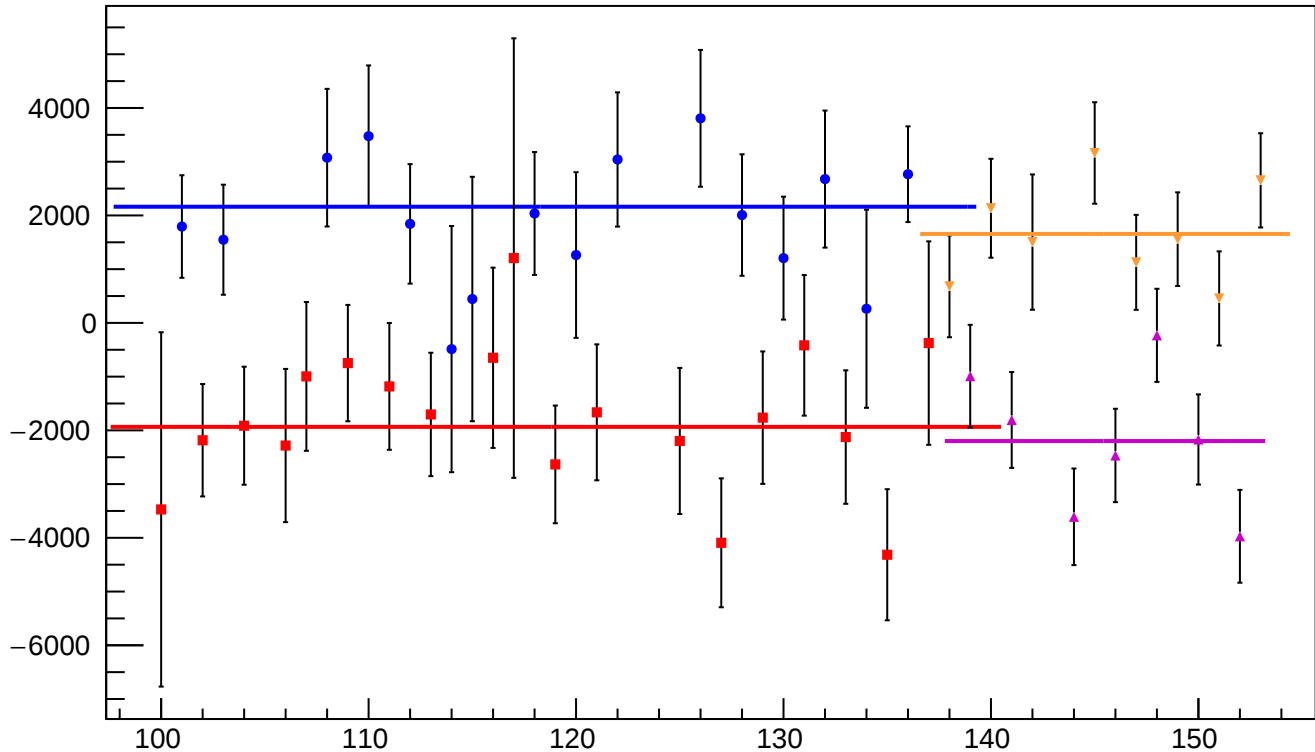


reg_asym_us_avg_mean vs Slug



Right In: 2162.311+/-307.312

χ^2/NDF : 8.9/15

1926.188+/-224.542

χ^2/NDF : 17.6/23

Left Out: 1655.748+/-328.887

χ^2/NDF : 7.4/7

Right Out: -1935.183+/-299.773

χ^2/NDF : 13.2/18

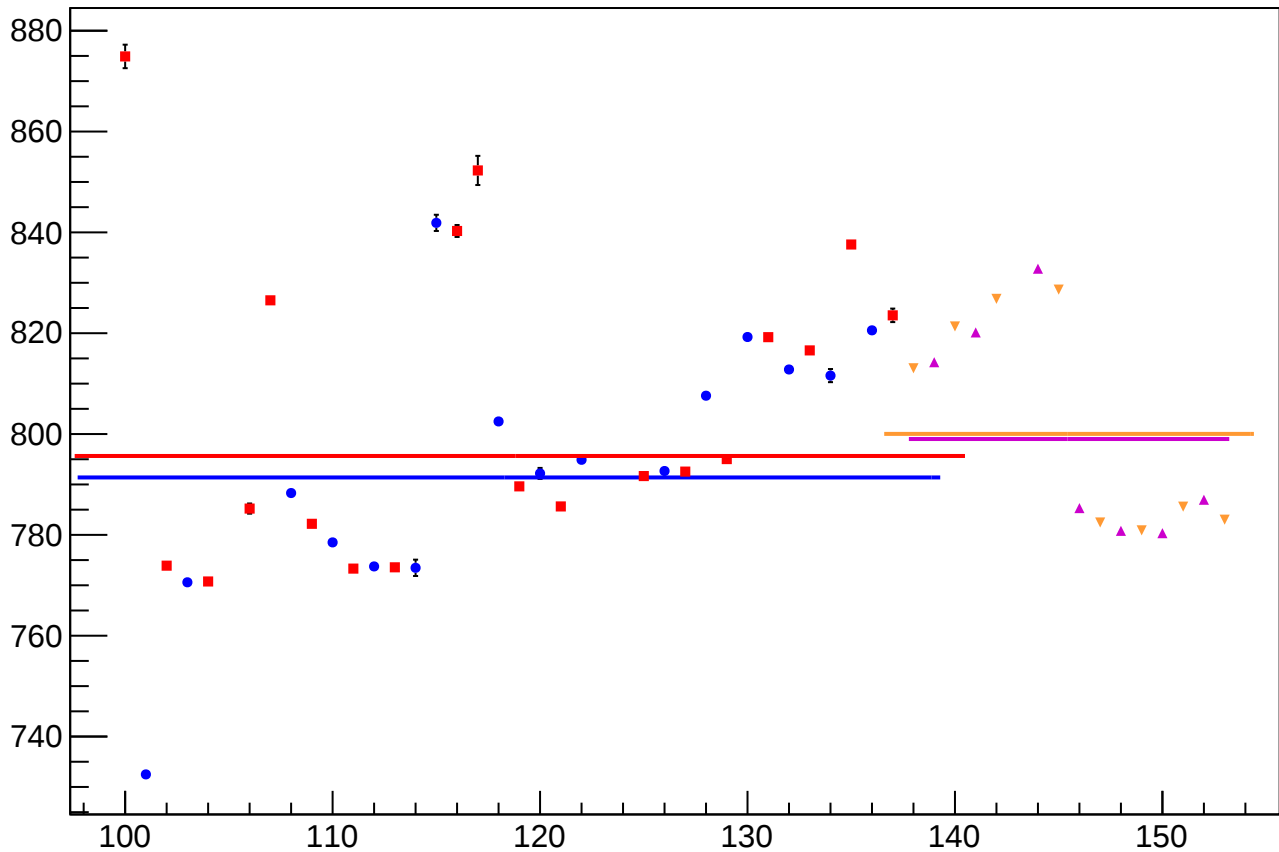
-2053.045+/-222.874

χ^2/NDF : 27.3/25

Left In: -2198.711+/-333.262

χ^2/NDF : 13.7/6

reg_asym_us_avg_rms vs Slug



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

Left Out: 800.030 ± 0.233 χ^2/NDF : 7240.8/7

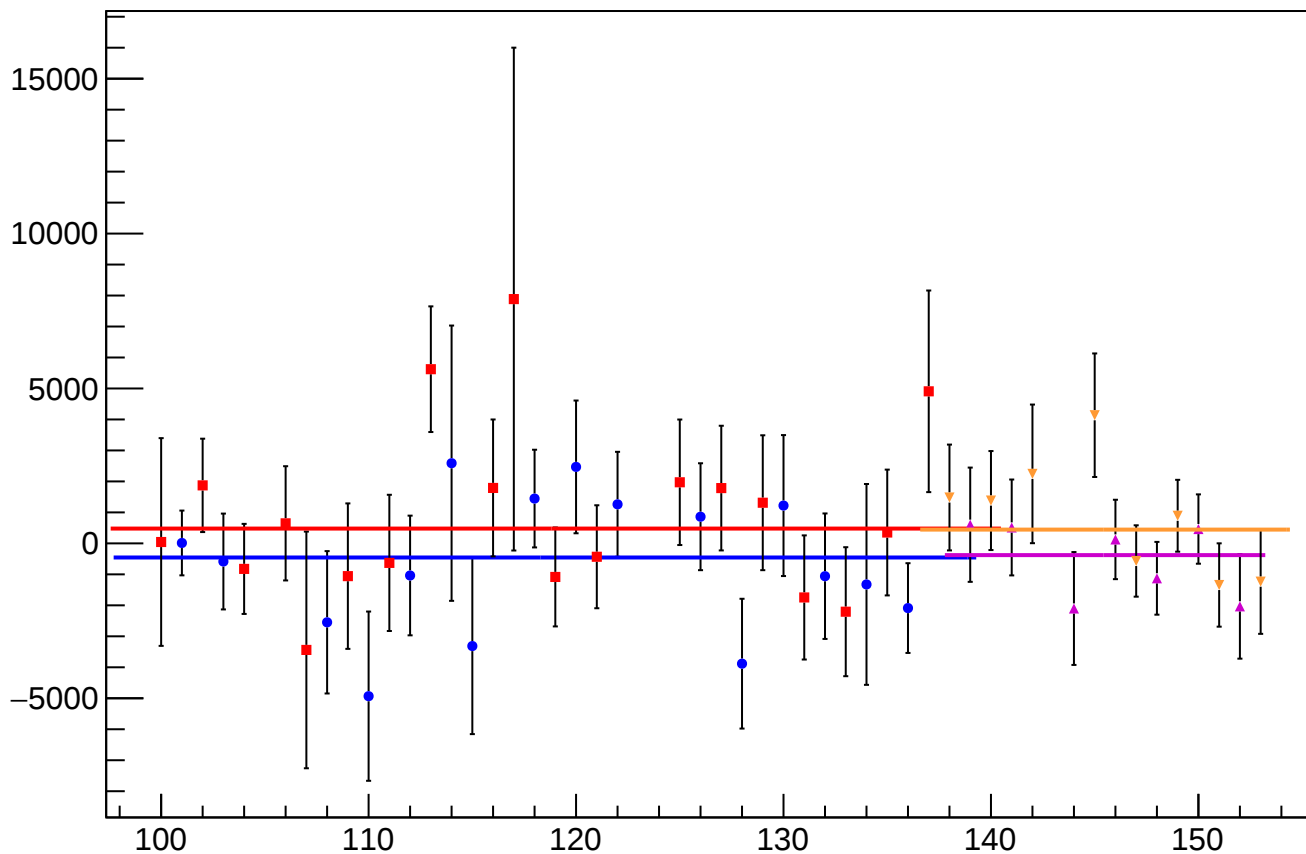
Right Out: 795.650 ± 0.212 χ^2/NDF : 11945.4/18

Left In: 799.013 ± 0.236 χ^2/NDF : 7216.0/6

795.418 ± 0.159 χ^2/NDF : 22985.9/23

797.154 ± 0.158 χ^2/NDF : 19273.9/25

asym_us_avg_correction_mean vs Slug



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

Left Out: 444.635+/-527.929 χ^2 /NDF:8.5/7

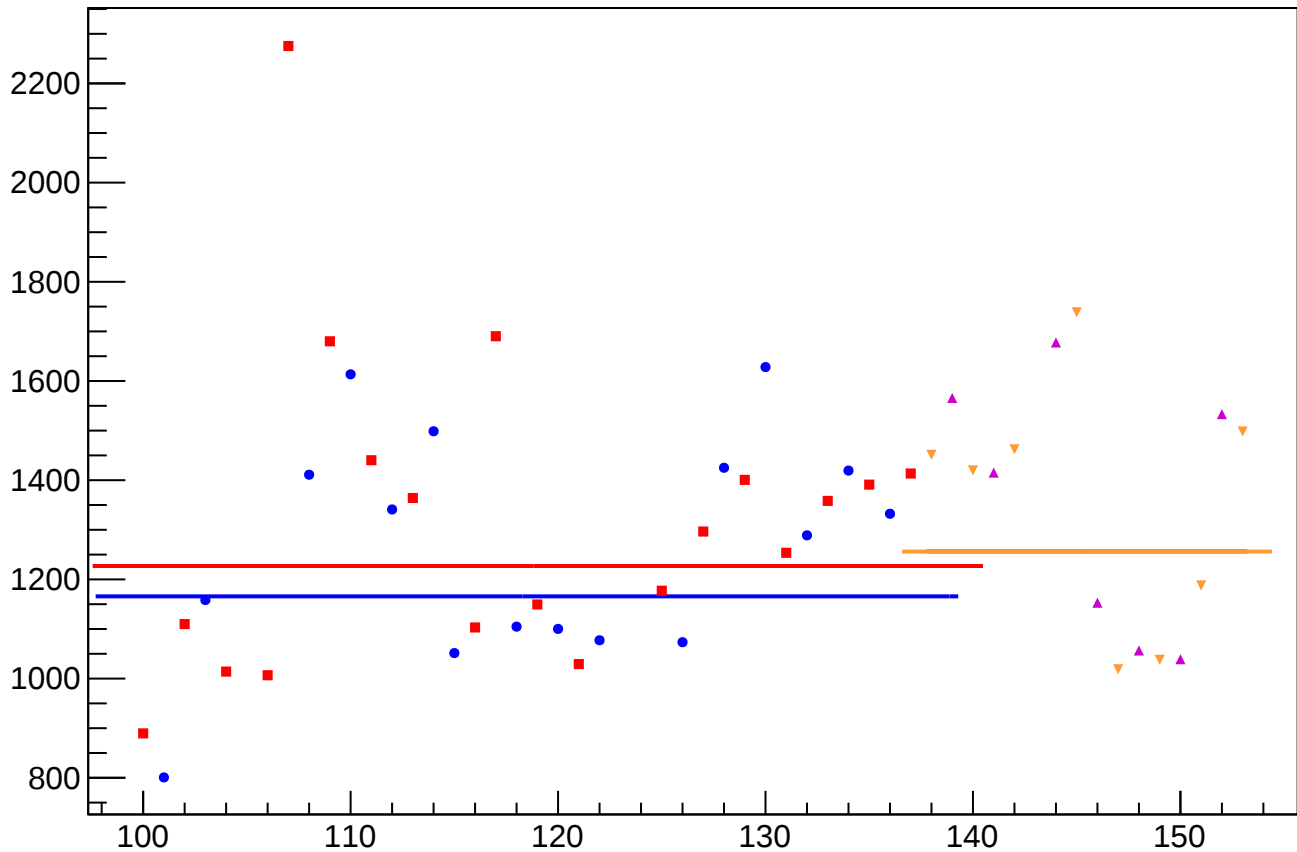
Right Out: 477.782+/-471.960 χ^2 /NDF: 18.2/18

Left In: -379.002+/-534.842 χ^2 /NDF:3.6/6

-63.083+/-348.618 χ^2 /NDF: 25.0/23

102.694+/-353.880 χ^2 /NDF: 23.2/25

asym_us_avg_correction_rms vs Slug



Right In: 1165.812+/-0.328 χ^2/NDF : 526801.3/15

Left Out: 1256.085+/-0.373 χ^2/NDF : 383221.1/7

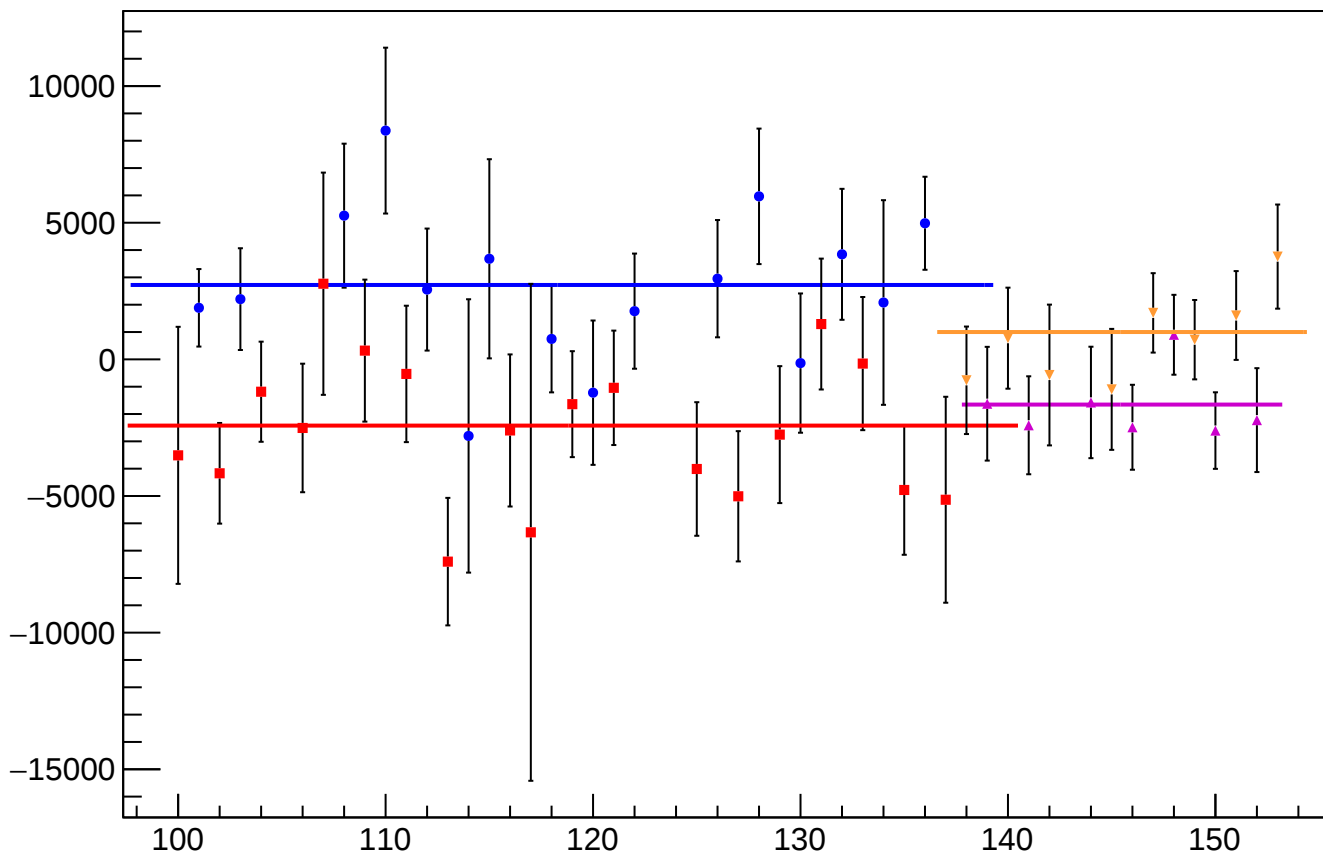
1205.177+/-0.247 χ^2/NDF : 943000.9/23

Right Out: 1227.021+/-0.334 χ^2/NDF : 446961.2/18

1239.893+/-0.250 χ^2/NDF : 834782.6/25

Left In: 1256.425+/-0.378 χ^2/NDF : 384422.8/6

asym_us_avg_mean vs Slug



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

Left Out: 1000.390 ± 631.455 χ^2/NDF : 4.6/7

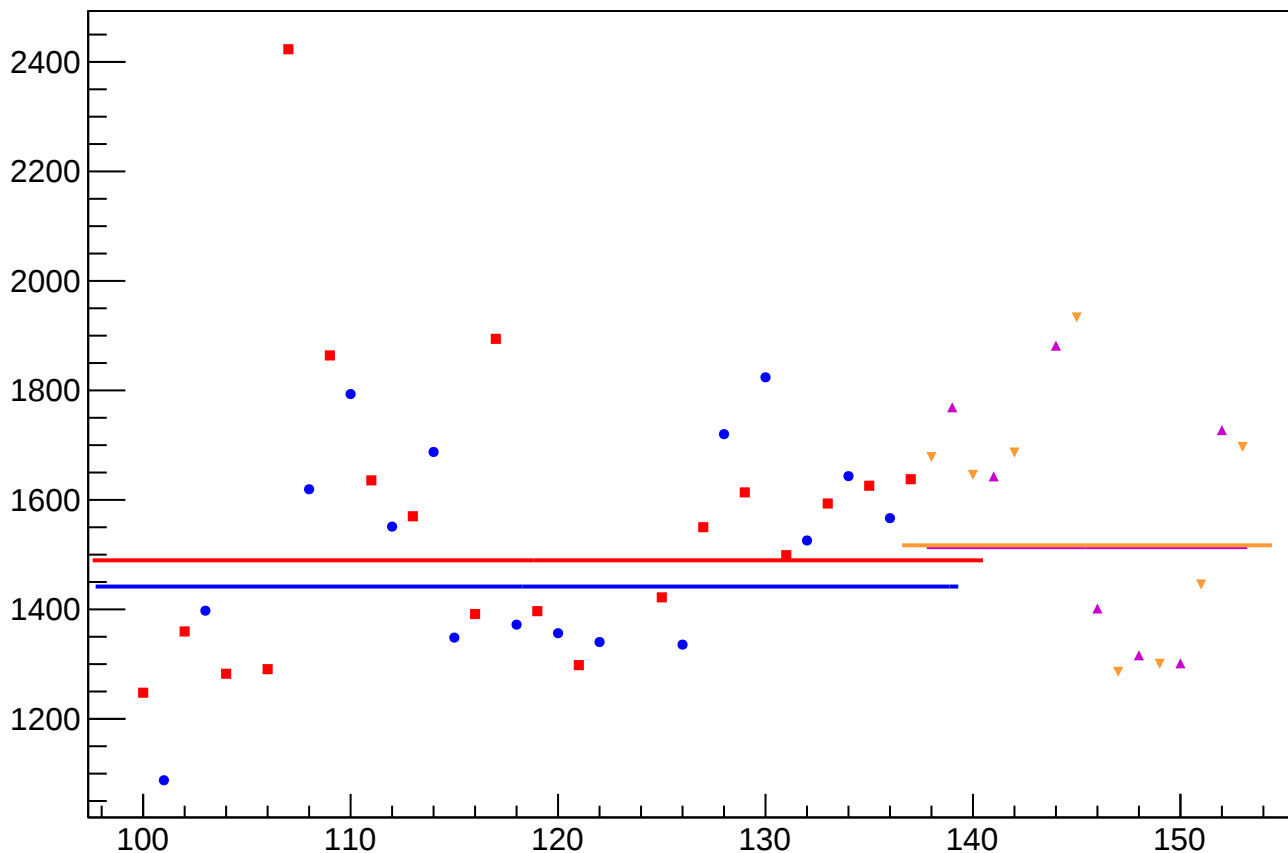
Right Out: -2423.739 ± 567.866 χ^2/NDF : 16.5/18

Left In: -1654.568 ± 638.726 χ^2/NDF : 4.1/6

1953.460 ± 421.946 χ^2/NDF : 23.3/23

-2084.169 ± 424.392 χ^2/NDF : 21.4/25

asym_us_avg_rms vs Slug



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

Left Out: 1517.049+/-0.447 χ^2/NDF : 219207.7/7

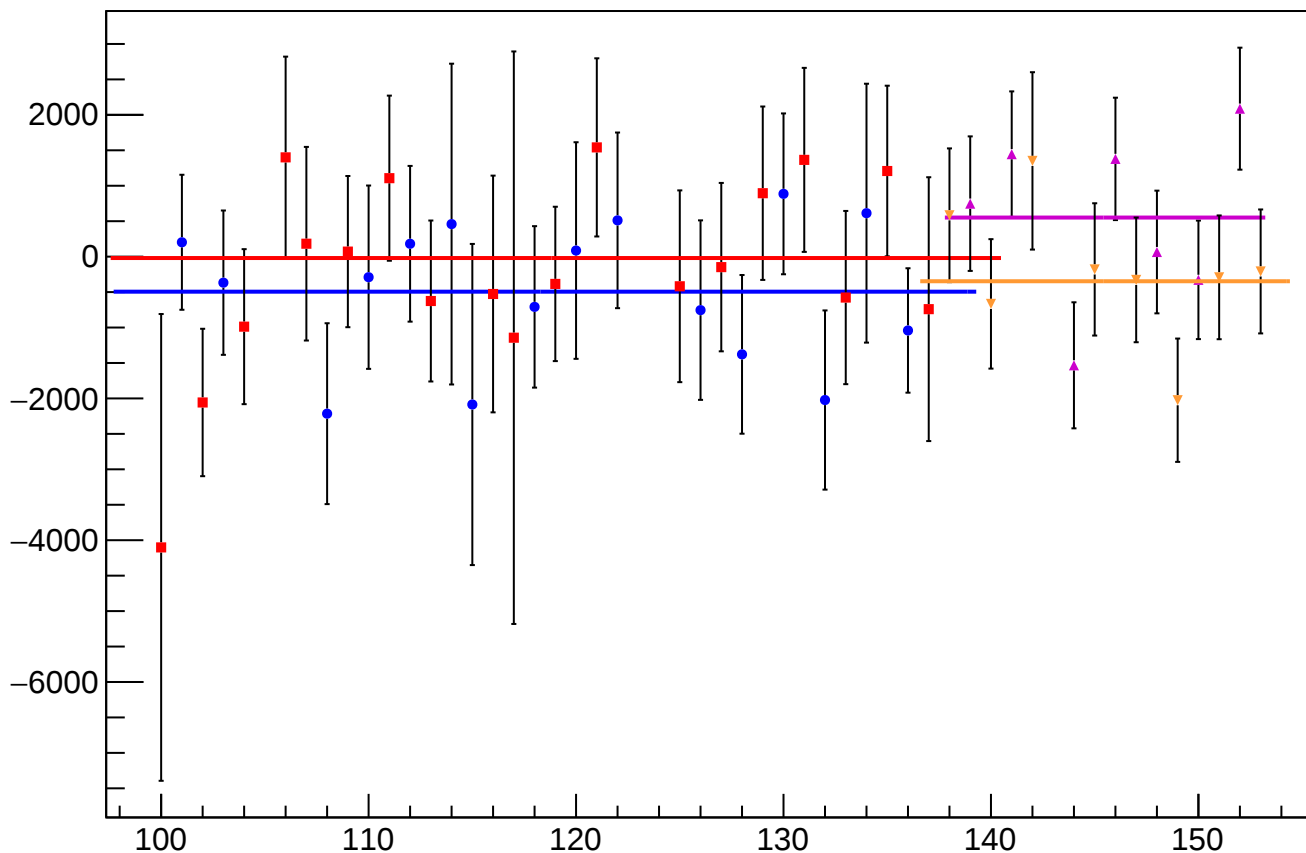
Right Out: 1489.610+/-0.402 χ^2/NDF : 260116.0/18

Left In: 1513.679+/-0.452 χ^2/NDF : 223809.6/6

1475.355+/-0.298 χ^2/NDF : 510863.9/23

1500.236+/-0.300 χ^2/NDF : 485511.8/25

reg_asym_us_dd_mean vs Slug



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

Left Out: -347.095+/-327.092 χ^2/NDF : 6.7/7

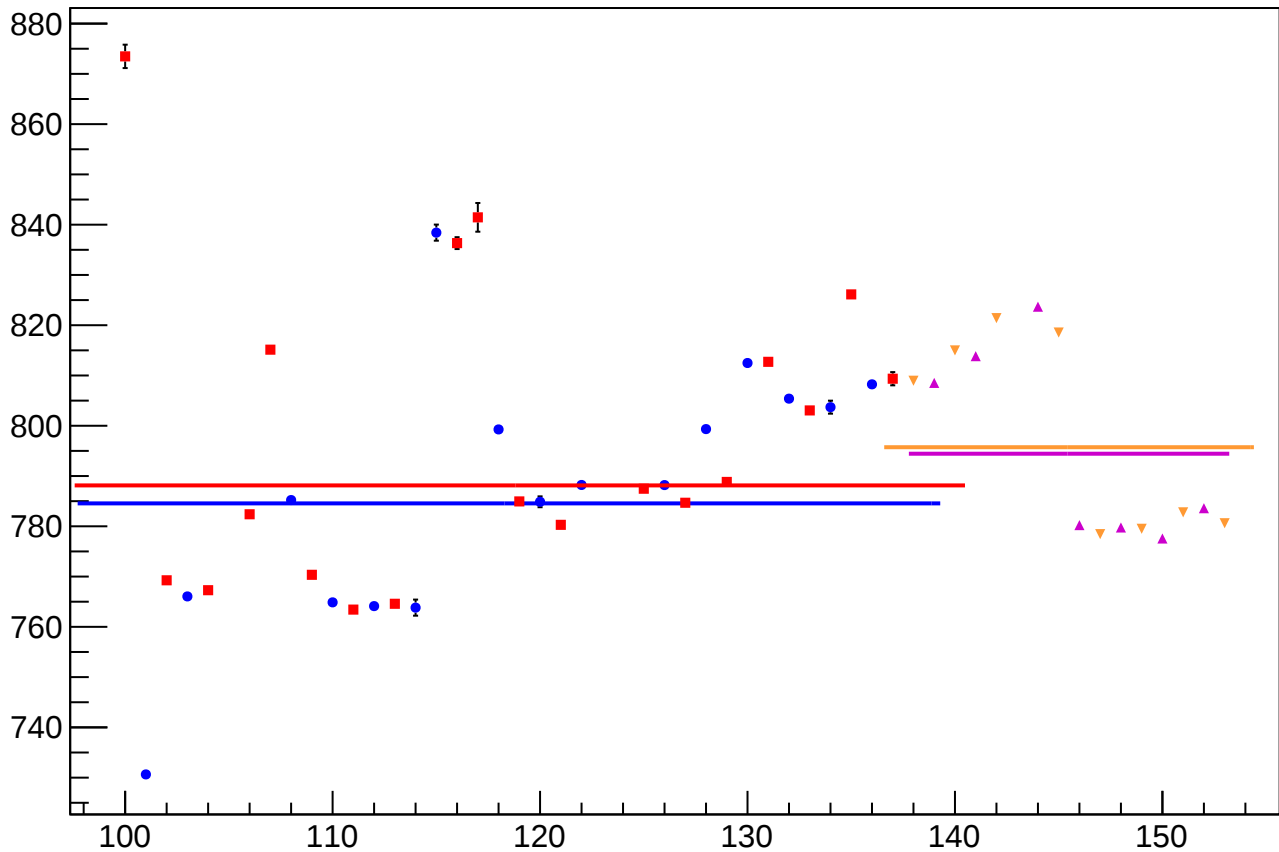
Right Out: -19.622+/-296.930 χ^2/NDF : 13.4/18

Left In: 551.364+/-331.324 χ^2/NDF : 12.1/6

-425.881+/-222.930 χ^2/NDF : 15.5/23

234.706+/-221.125 χ^2/NDF : 27.2/25

reg_asym_us_dd_rms vs Slug



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

Left Out: 795.731+/-0.231 χ^2/NDF : 5829.7/7

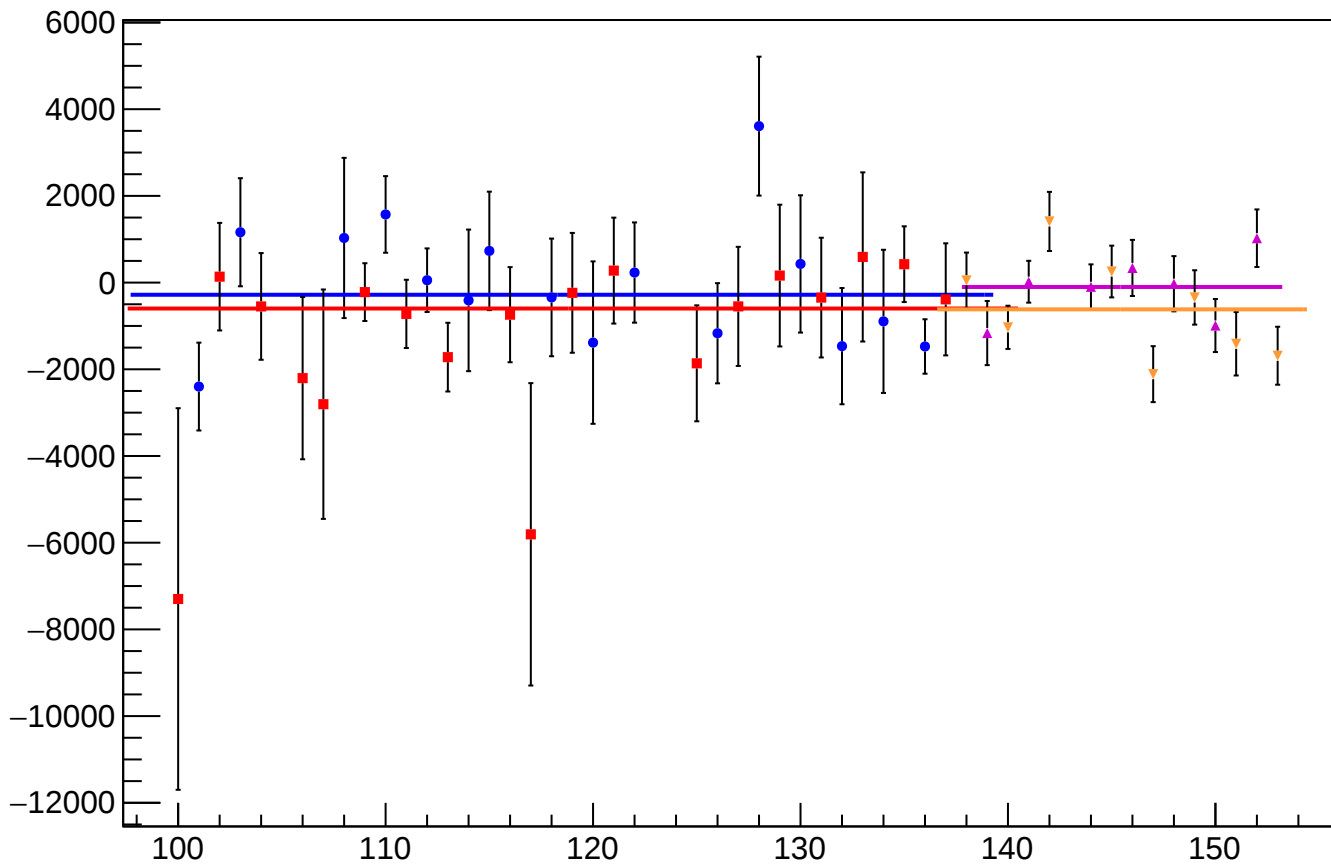
Right Out: 788.134+/-0.210 χ^2/NDF : 11259.7/18

Left In: 794.437+/-0.234 χ^2/NDF : 5813.8/6

789.748+/-0.158 χ^2/NDF : 20757.1/23

790.942+/-0.156 χ^2/NDF : 17475.0/25

asym_us_dd_correction_mean vs Slug



Right In: -280.632 ± 282.501 $\chi^2/\text{NDF}: 23.1/15$

Left Out: -617.378 ± 221.100 $\chi^2/\text{NDF}: 22.1/7$

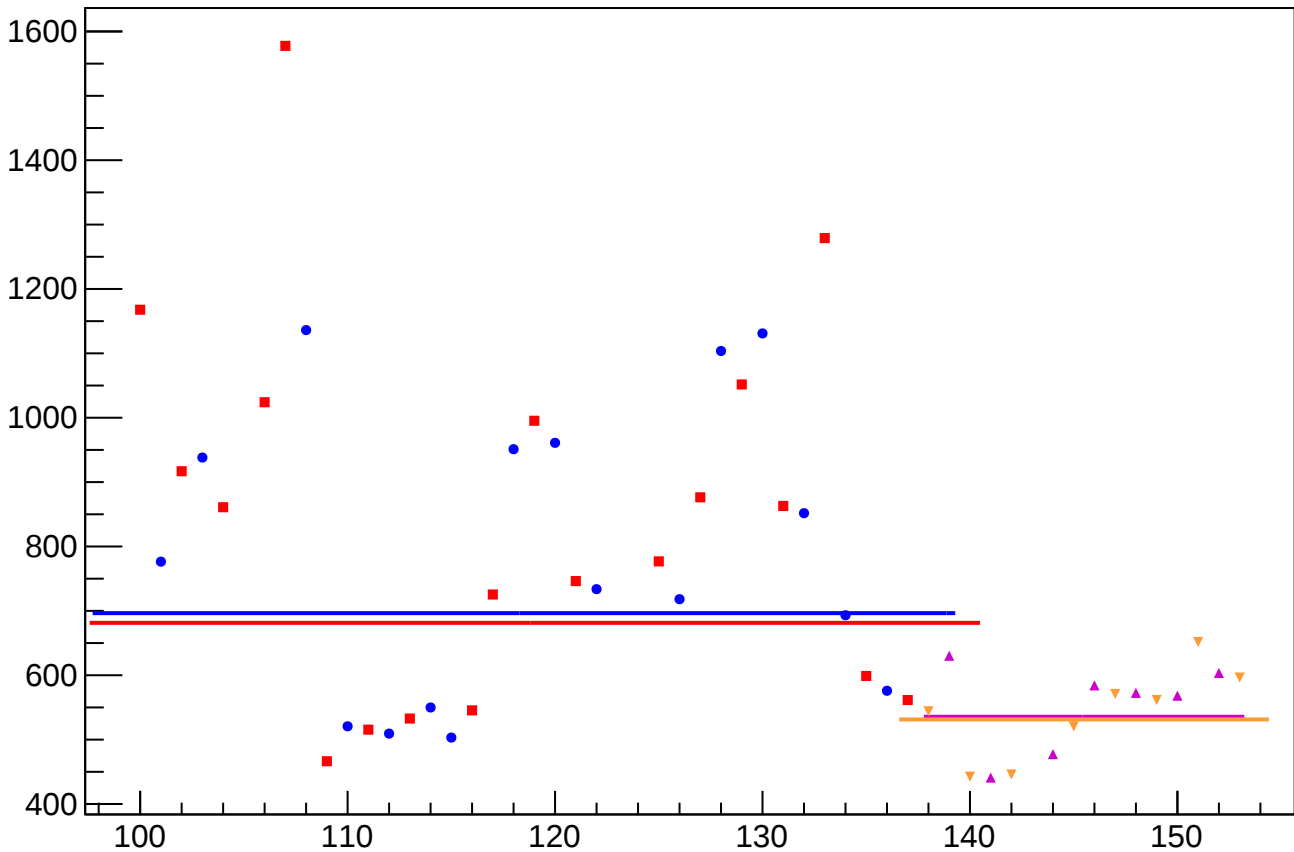
Right Out: -598.108 ± 272.052 $\chi^2/\text{NDF}: 12.2/18$

Left In: -101.182 ± 225.593 $\chi^2/\text{NDF}: 7.6/6$

-489.460 ± 174.114 $\chi^2/\text{NDF}: 46.1/23$

-303.654 ± 173.655 $\chi^2/\text{NDF}: 21.8/25$

asym_us_dd_correction_rms vs Slug



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

Left Out: 531.341+/-0.156 χ^2/NDF : 181592.0/7

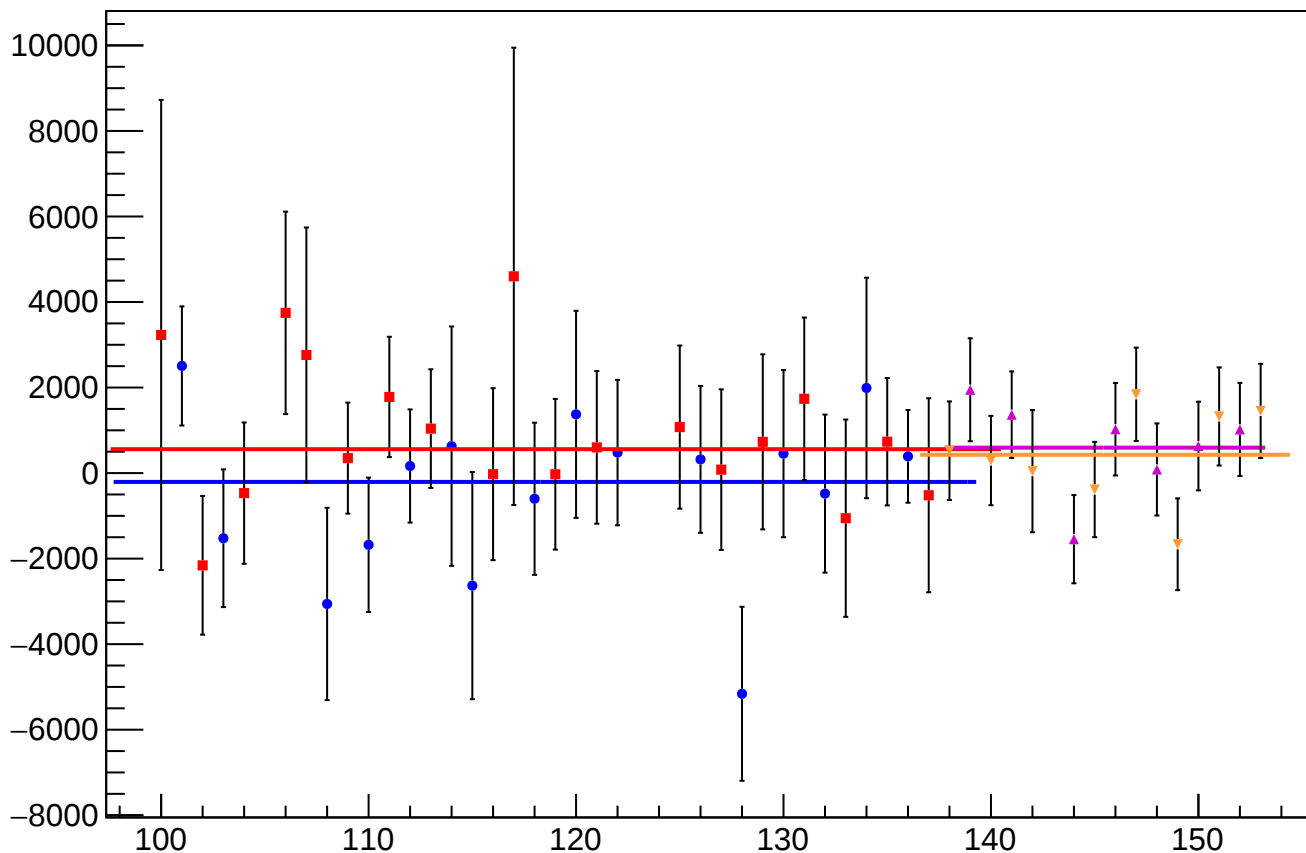
594.064+/-0.123 χ^2/NDF : 1564803.0/23

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

594.954+/-0.123 χ^2/NDF : 1873131.8/25

Left In: 535.515+/-0.160 χ^2/NDF : 179493.7/6

asym_us_dd_mean vs Slug



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

Left Out: 428.410+/-399.855 χ^2 /NDF: 7.6/7

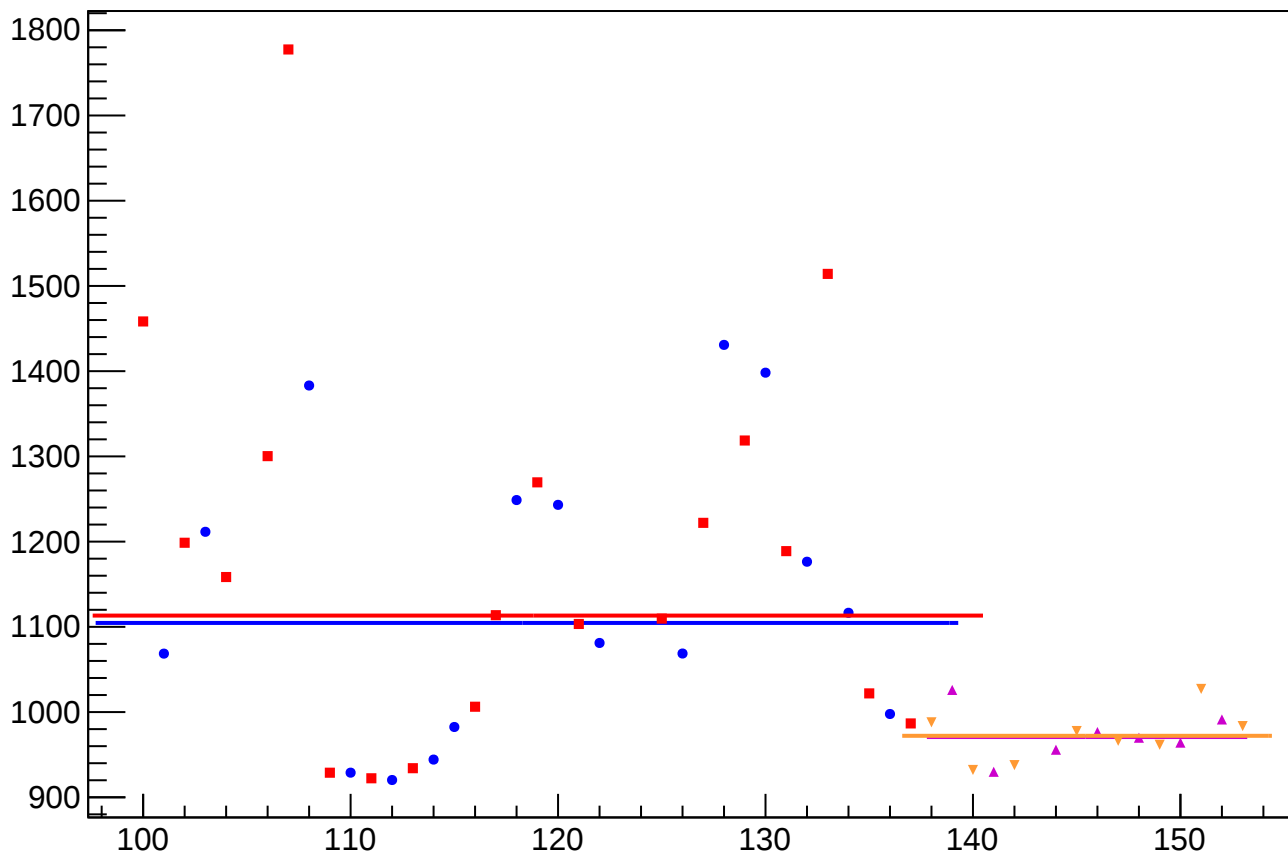
Right Out: 558.638+/-425.771 χ^2 /NDF: 8.7/18

Left In: 594.508+/-404.980 χ^2 /NDF: 6.7/6

136.799+/-294.001 χ^2 /NDF: 24.5/23

577.470+/-293.439 χ^2 /NDF: 15.4/25

asym_us_dd_rms vs Slug



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

Left Out: 972.158 $\pm$ 0.283 χ^2 /NDF: 9593.3/7

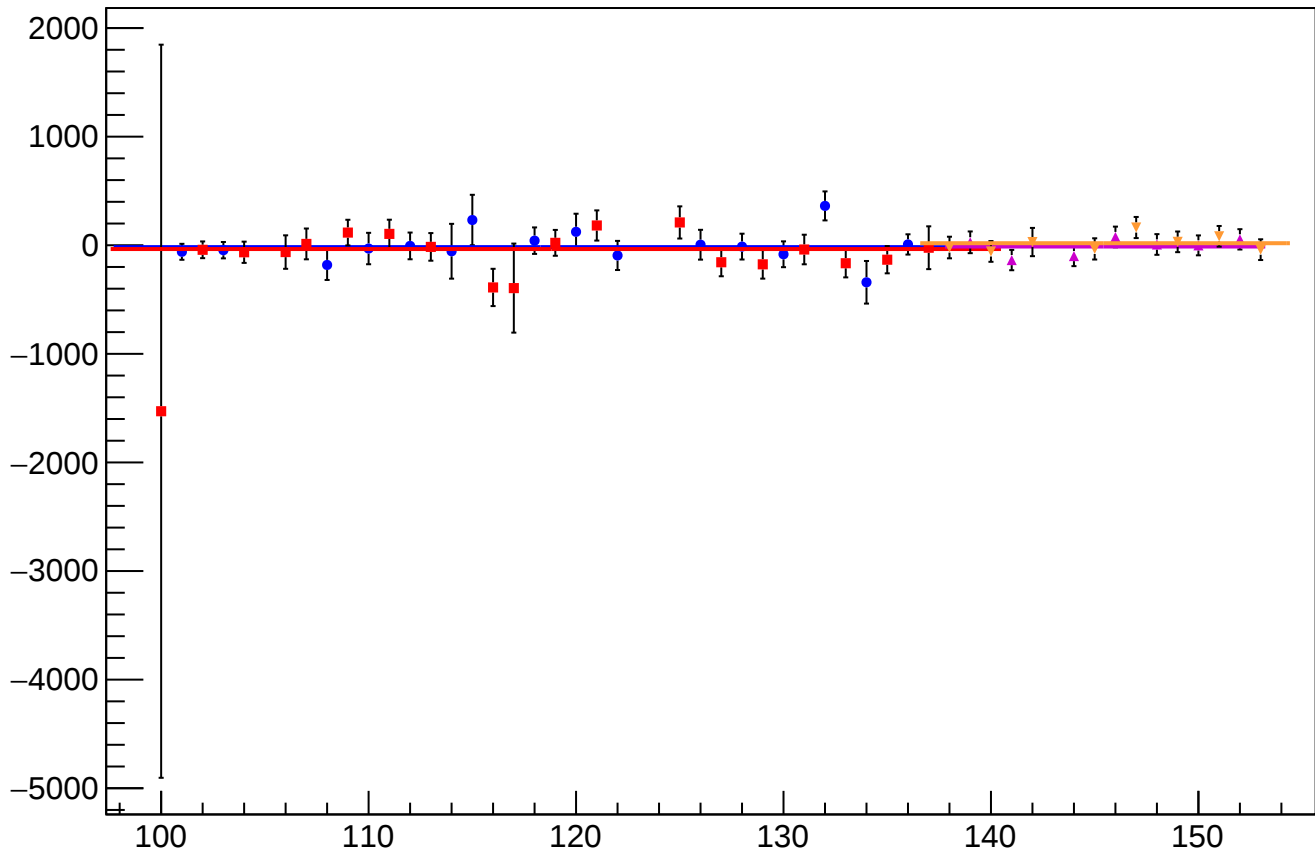
Right Out: 1113.218 $\pm$ 0.301 χ^2 /NDF: 362982.2/18

Left In: 970.714 $\pm$ 0.286 χ^2 /NDF: 8735.0/6

1032.998 $\pm$ 0.208 χ^2 /NDF: 365872.3/23

1038.402 $\pm$ 0.207 χ^2 /NDF: 489343.3/25

reg_asym_ds_avg_mean vs Slug



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

Left Out: 18.821 ± 35.128 χ^2/NDF : 4.1/7

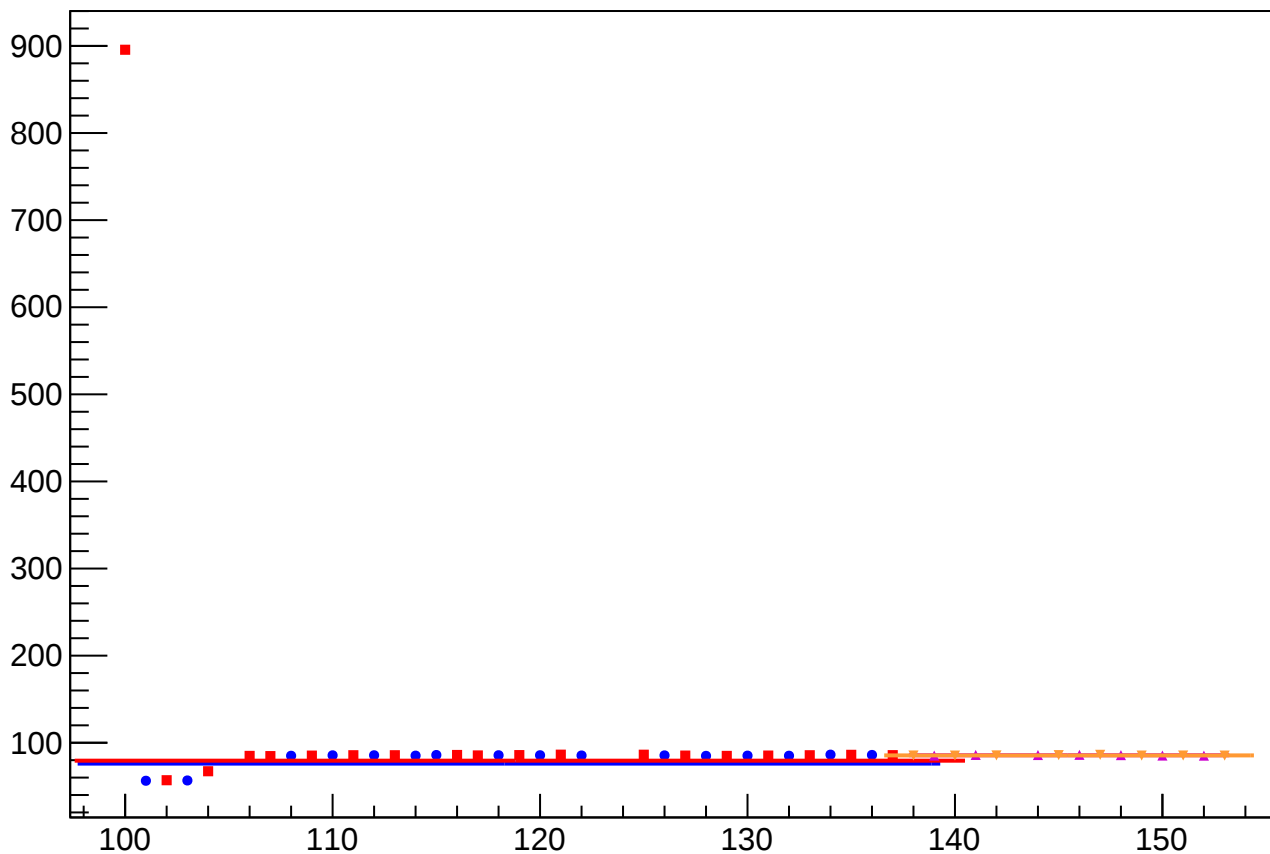
Right Out: -34.875 ± 30.363 χ^2/NDF : 17.3/18

Left In: -11.703 ± 35.727 χ^2/NDF : 4.2/6

-2.036 ± 22.807 χ^2/NDF : 20.3/23

-25.157 ± 23.136 χ^2/NDF : 21.8/25

reg_asym_ds_avg_rms vs Slug



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

Left Out: 85.477+/-0.025 χ^2/NDF :149.6/7

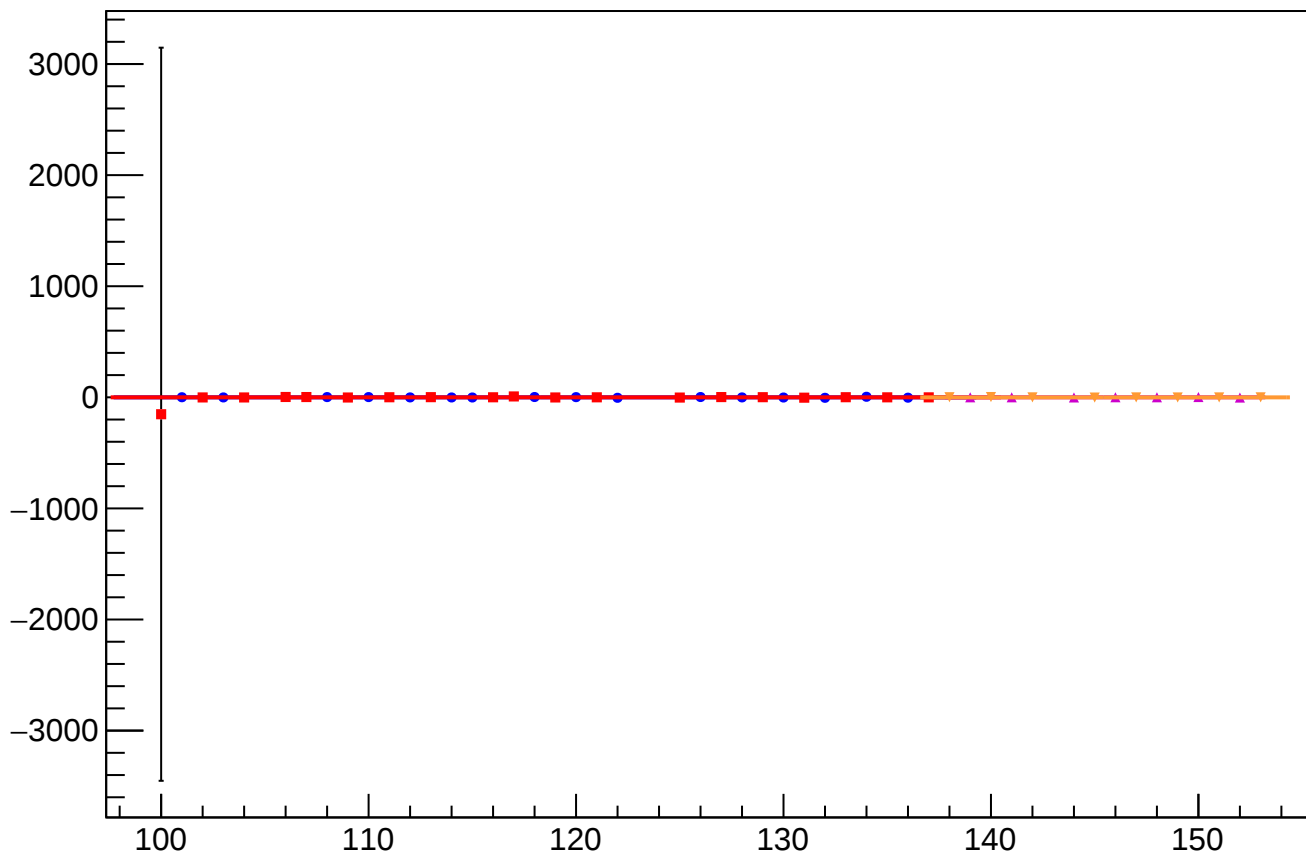
Right Out: 79.423+/-0.021 χ^2/NDF : 378959.4/18

Left In: 85.683+/-0.025 χ^2/NDF :208.4/6

80.041+/-0.016 χ^2/NDF : 492126.6/23

82.048+/-0.016 χ^2/NDF : 414817.3/25

asym_ds_avg_correction_mean vs Slug



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

Left Out: -0.430 ± 0.597 χ^2/NDF : 4.6/7

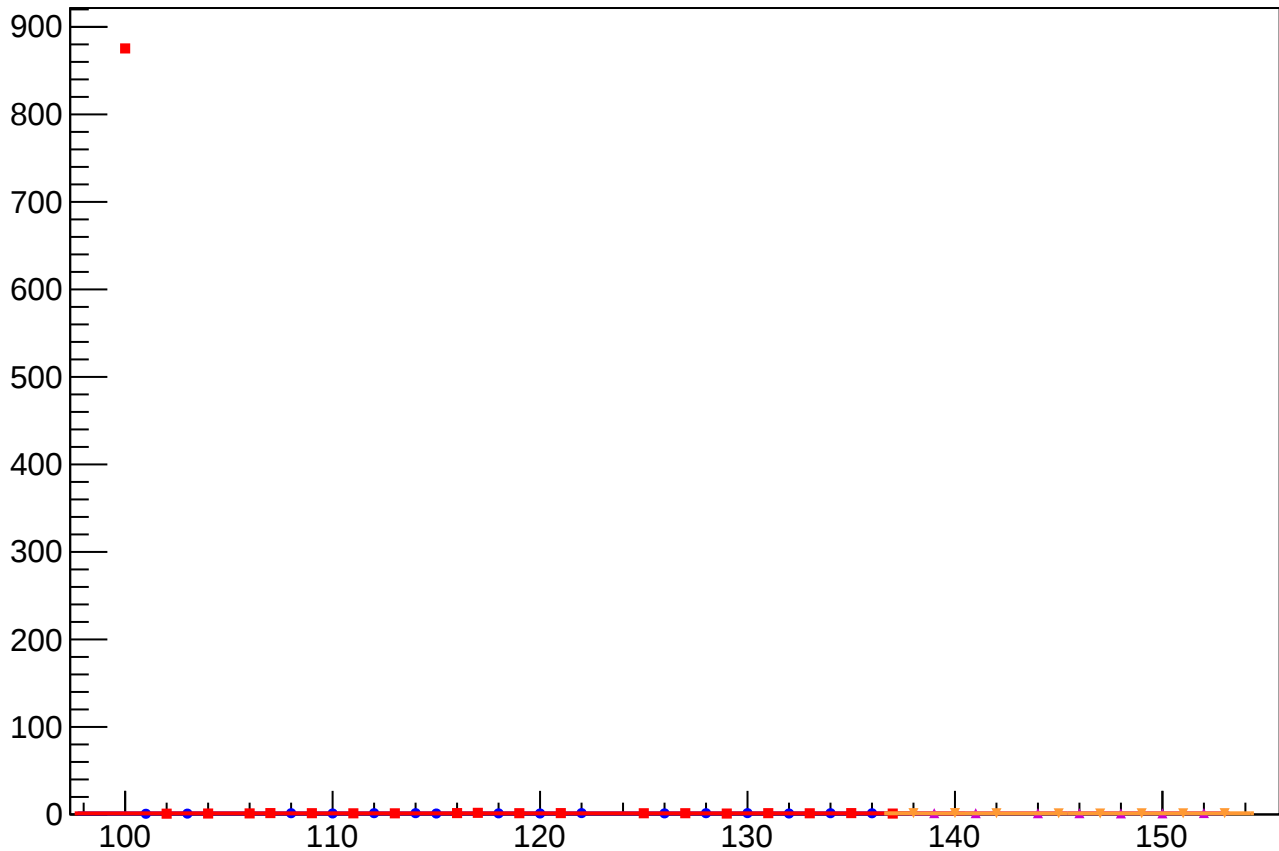
Right Out: -0.051 ± 0.520 χ^2/NDF : 9.8/18

Left In: 0.303 ± 0.638 χ^2/NDF : 4.8/6

-0.342 ± 0.384 χ^2/NDF : 25.8/23

0.090 ± 0.403 χ^2/NDF : 14.7/25

asym_ds_avg_correction_rms vs Slug



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

Left Out: 1.318 $\pm$ 0.000 χ^2 /NDF:116960.1/7

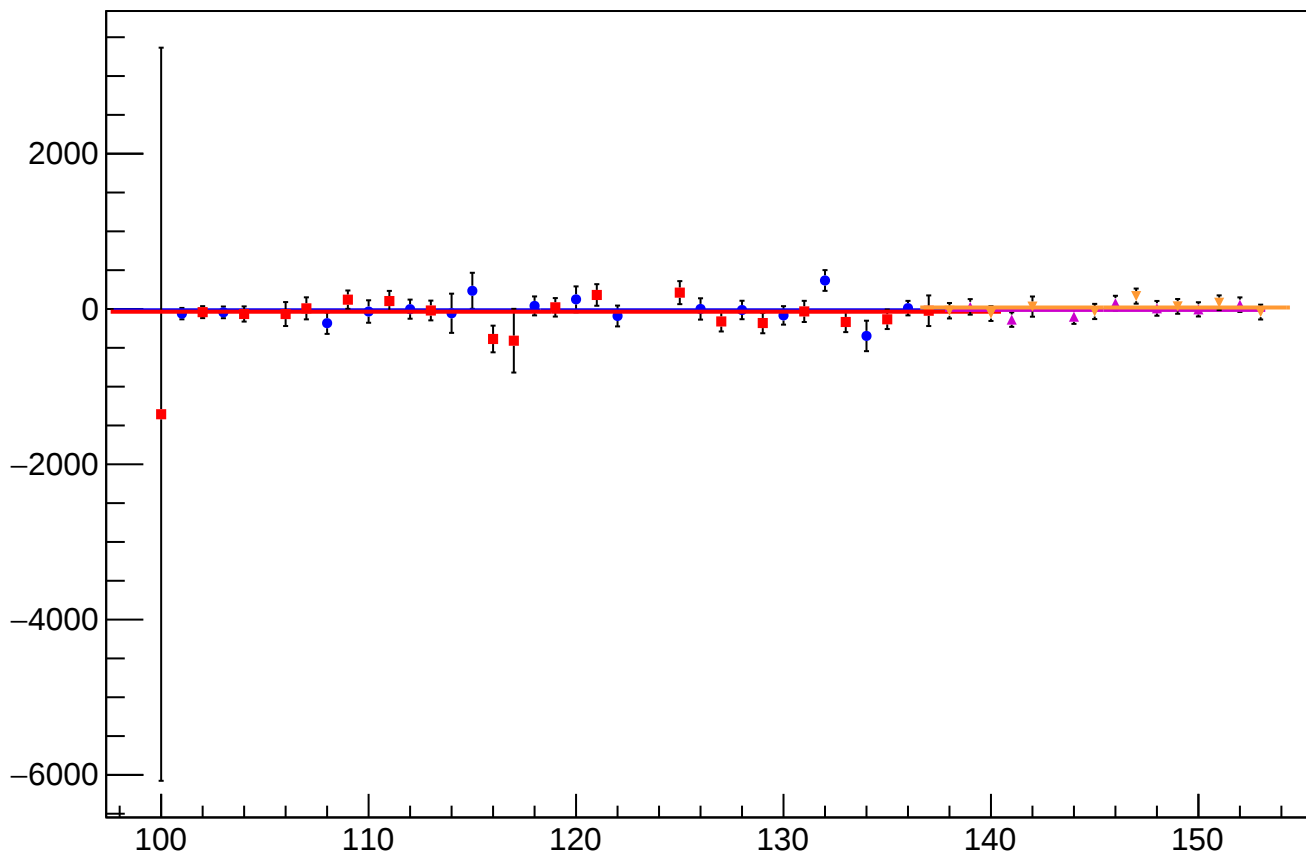
Right Out: 1.249 $\pm$ 0.000 χ^2 /NDF: 526097.8/18

Left In: 1.417 $\pm$ 0.000 χ^2 /NDF:73270.5/6

1.221 $\pm$ 0.000 χ^2 /NDF: 721098.3/23

1.316 $\pm$ 0.000 χ^2 /NDF: 682610.7/25

asym_ds_avg_mean vs Slug



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

Left Out: 19.229 ± 35.137 χ^2/NDF : 4.2/7

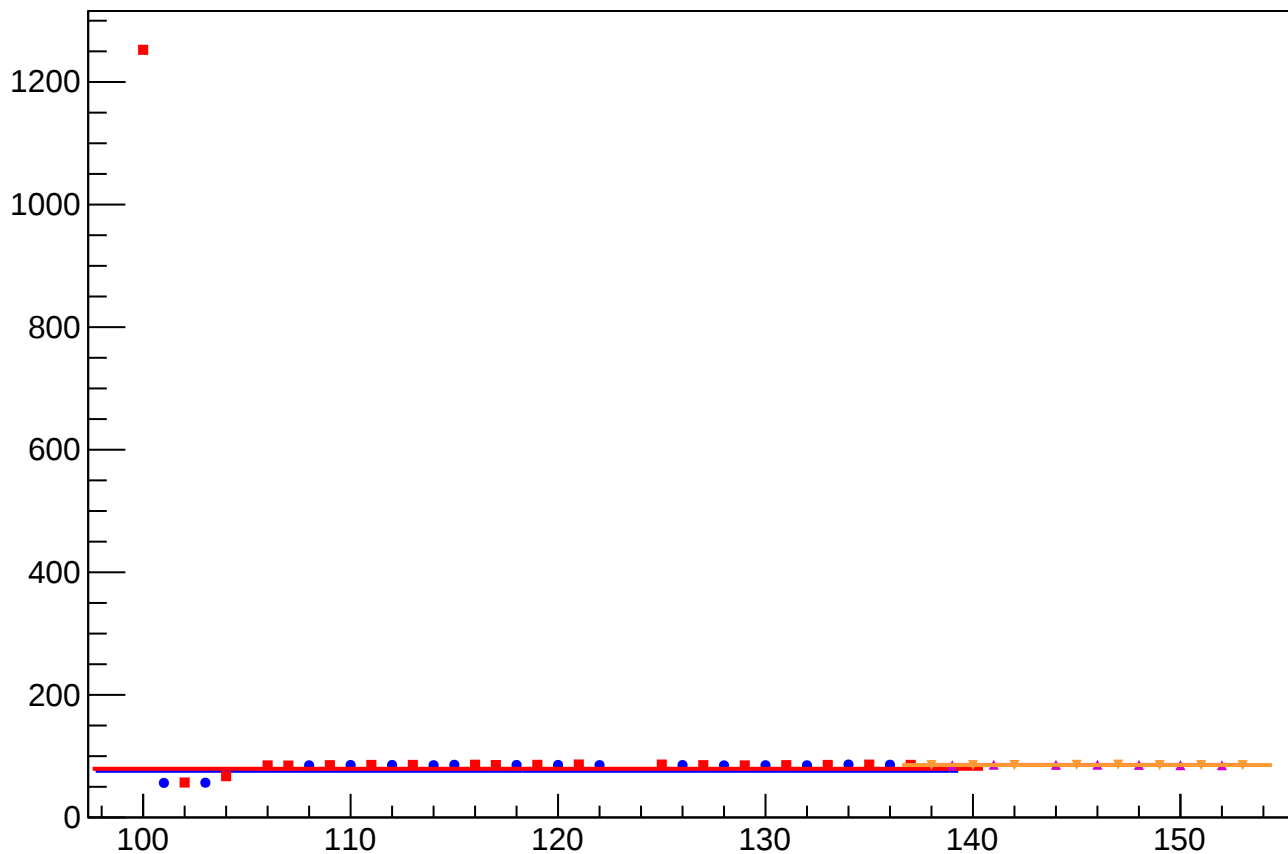
Right Out: -35.172 ± 30.371 χ^2/NDF : 17.4/18

Left In: -11.893 ± 35.736 χ^2/NDF : 4.2/6

-1.329 ± 22.813 χ^2/NDF : 20.7/23

-25.409 ± 23.143 χ^2/NDF : 21.8/25

asym_ds_avg_rms vs Slug



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

Left Out: 85.500+/-0.025 χ^2 /NDF:149.6/7

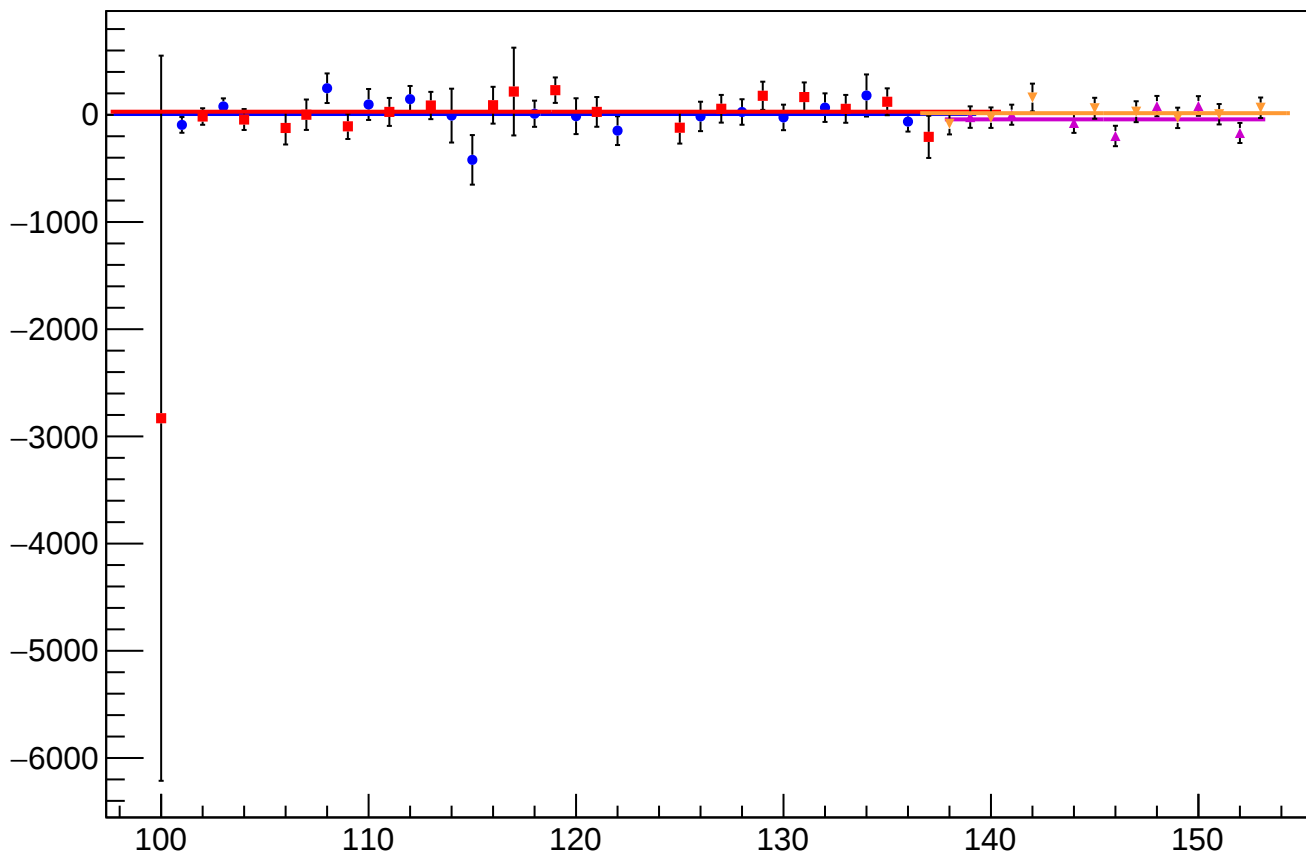
Right Out: 79.426+/-0.021 χ^2 /NDF: 385484.8/18

Left In: 85.706+/-0.025 χ^2 /NDF:208.0/6

80.062+/-0.016 χ^2 /NDF: 492159.0/23

82.060+/-0.016 χ^2 /NDF: 421545.1/25

reg_asym_ds_dd_mean vs Slug



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

Left Out: 15.326+/-35.131 χ^2/NDF : 3.2/7

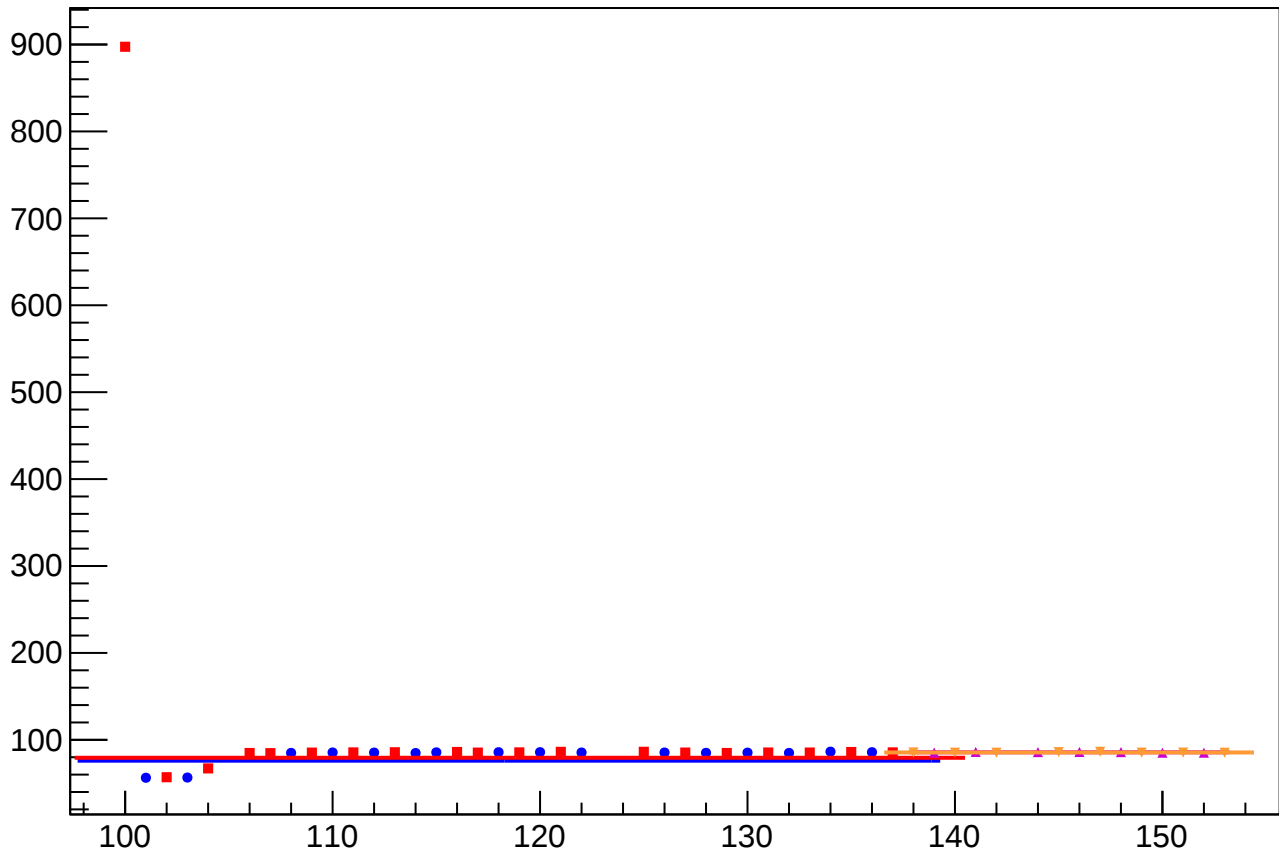
Right Out: 28.958+/-30.344 χ^2/NDF : 12.7/18

Left In: -42.392+/-35.729 χ^2/NDF : 8.4/6

10.773+/-22.800 χ^2/NDF : 17.1/23

-0.940+/-23.129 χ^2/NDF : 23.4/25

reg_asym_ds_dd_rms vs Slug



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

Left Out: 85.485 $\pm$ 0.025 χ^2 /NDF:204.7/7

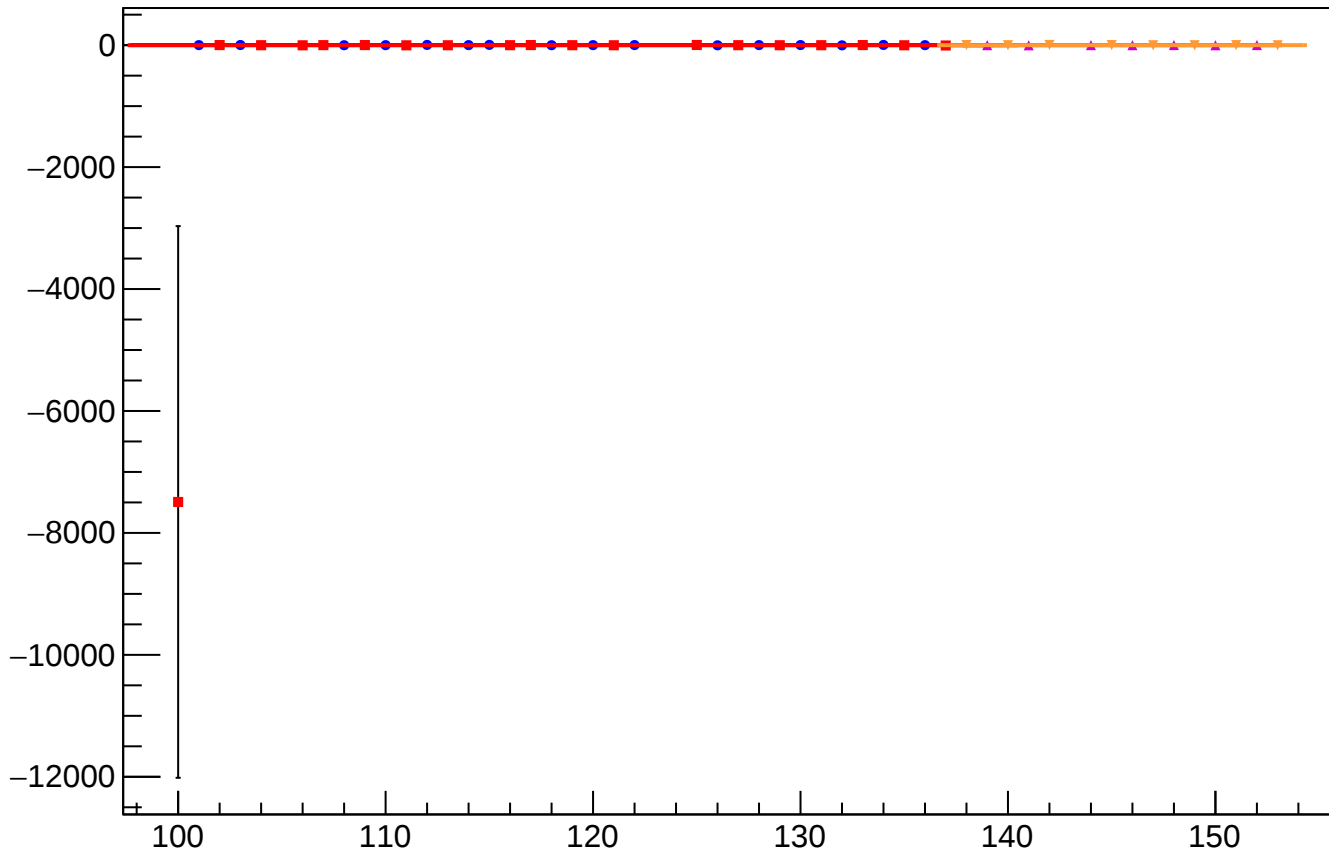
Right Out: 79.375 $\pm$ 0.021 χ^2 /NDF: 378794.5/18

Left In: 85.689 $\pm$ 0.025 χ^2 /NDF:217.0/6

80.014 $\pm$ 0.016 χ^2 /NDF: 492942.6/23

82.020 $\pm$ 0.016 χ^2 /NDF: 415301.0/25

asym_ds_dd_correction_mean vs Slug



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

Left Out: -0.351+/-0.586 χ^2/NDF : 7.4/7

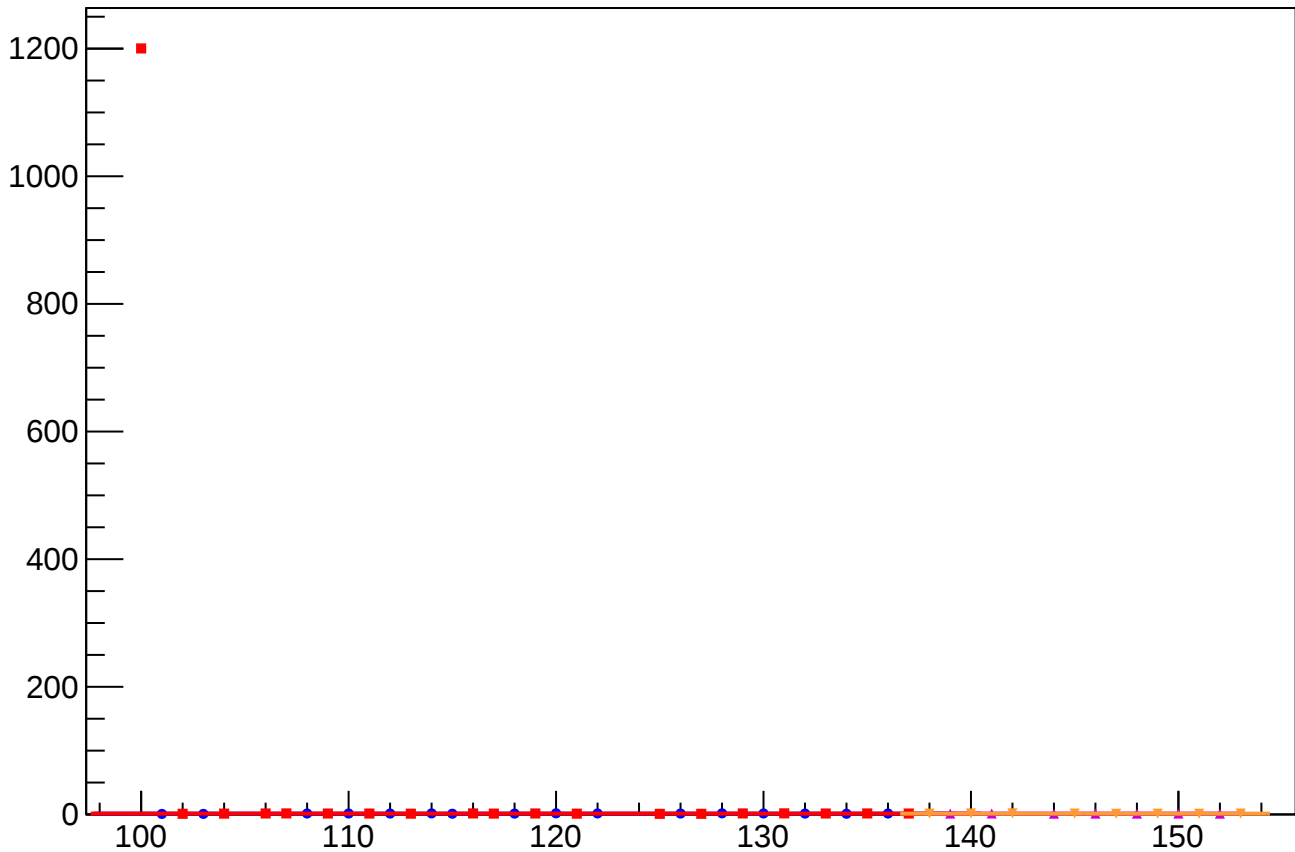
Right Out: -0.304+/-0.547 χ^2/NDF : 12.6/18

Left In: 0.030+/-0.617 χ^2/NDF : 4.6/6

0.341+/-0.394 χ^2/NDF : 21.9/23

-0.157+/-0.409 χ^2/NDF : 17.4/25

asym_ds_dd_correction_rms vs Slug



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

Left Out: 1.285 $\pm$ 0.000 χ^2 /NDF:183371.0/7

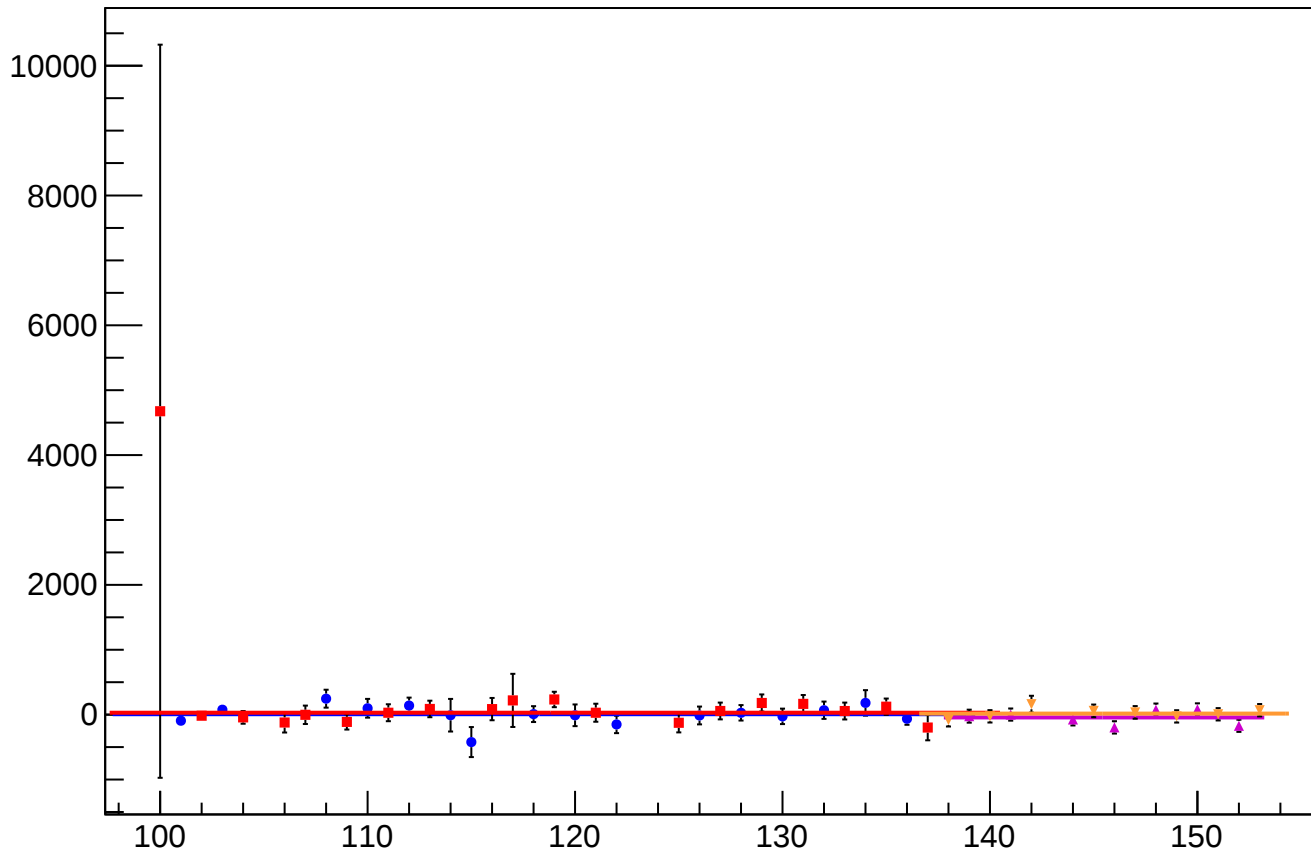
Right Out: 1.318 $\pm$ 0.000 χ^2 /NDF: 521623.7/18

Left In: 1.362 $\pm$ 0.000 χ^2 /NDF:41652.6/6

1.259 $\pm$ 0.000 χ^2 /NDF: 848350.4/23

1.337 $\pm$ 0.000 χ^2 /NDF: 568945.7/25

asym_ds_dd_mean vs Slug



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

Left Out: 16.288 ± 35.140 χ^2/NDF : 3.2/7

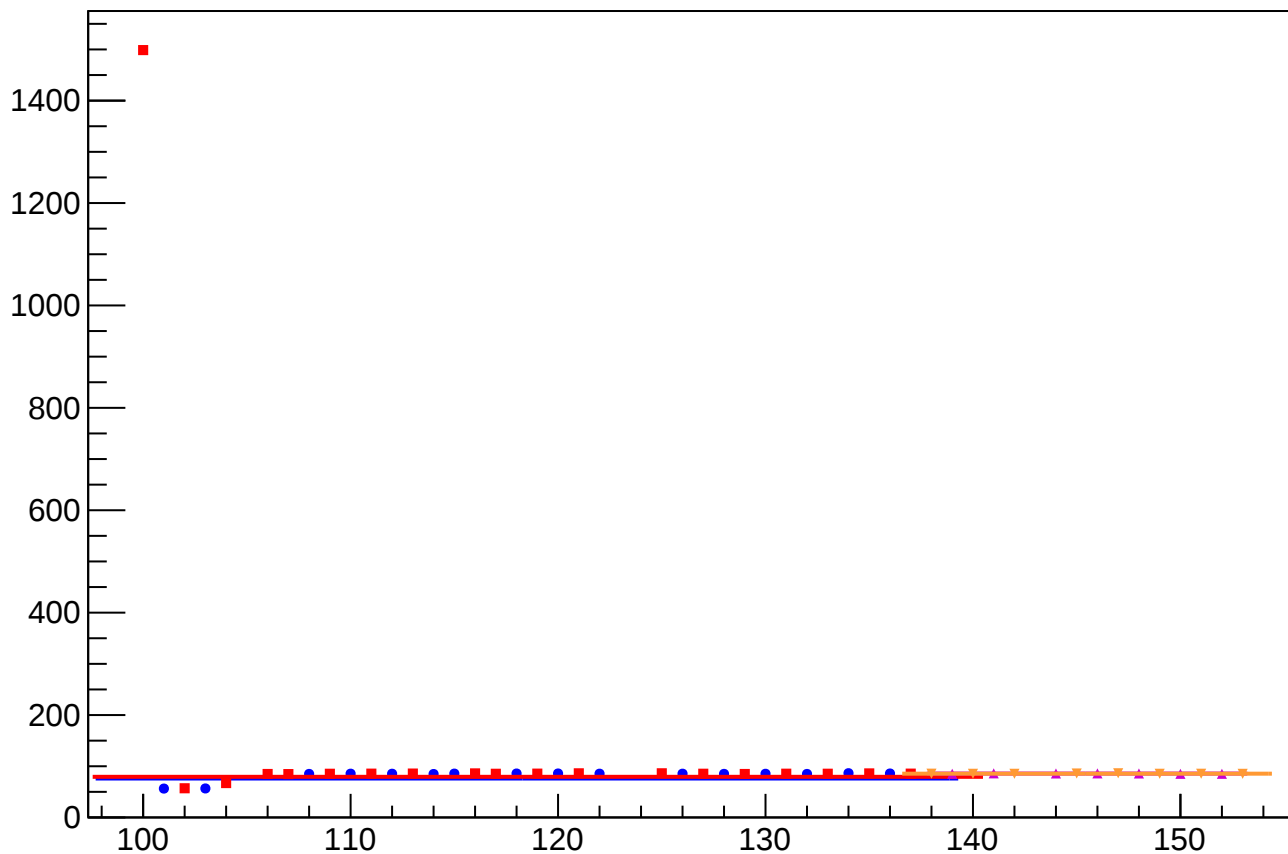
Right Out: 29.600 ± 30.353 χ^2/NDF : 12.9/18

Left In: -43.208 ± 35.739 χ^2/NDF : 8.3/6

10.785 ± 22.806 χ^2/NDF : 17.0/23

-0.910 ± 23.135 χ^2/NDF : 23.6/25

asym_ds_dd_rms vs Slug



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

Left Out: 85.508+/-0.025 χ^2/NDF :204.3/7

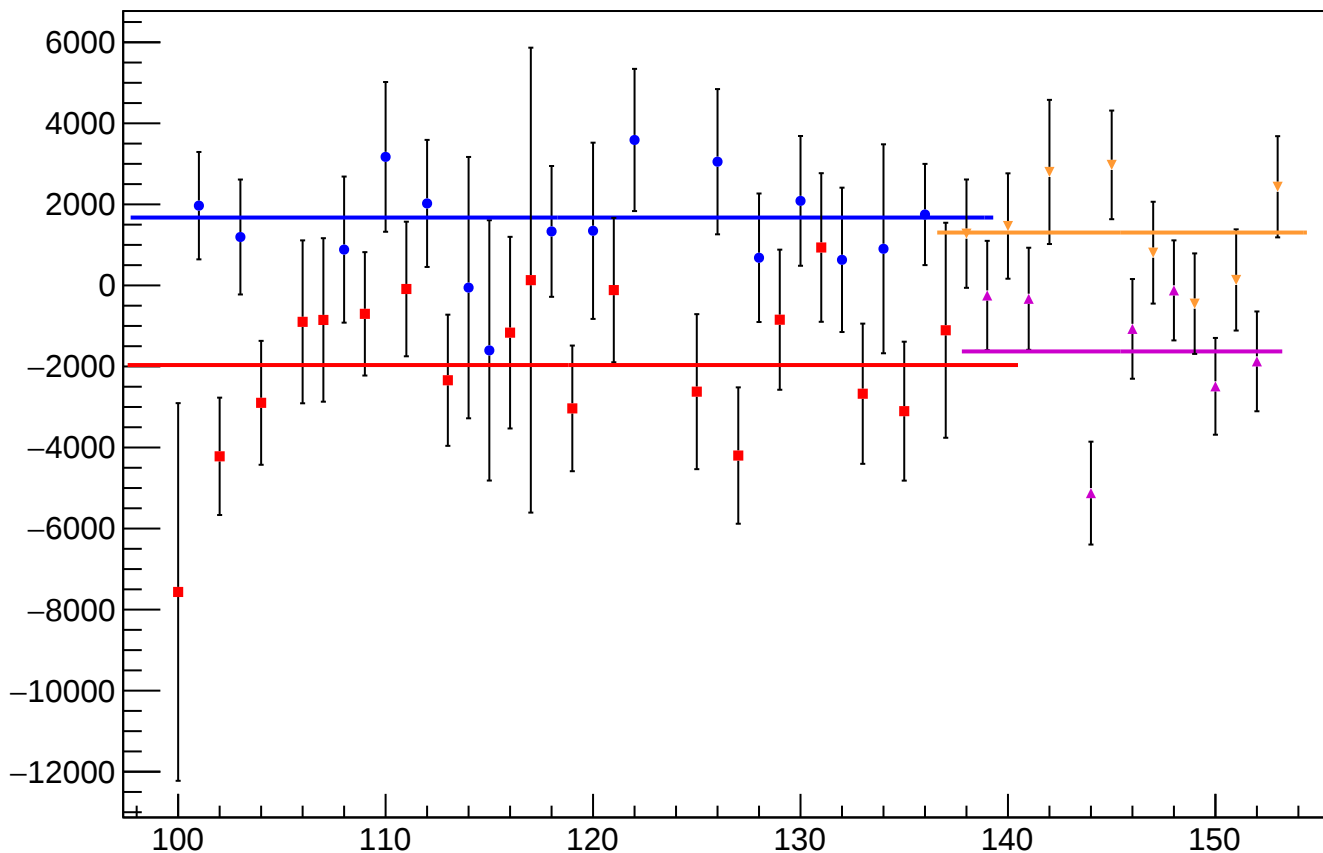
Right Out: 79.371+/-0.021 χ^2/NDF : 388057.0/18

Left In: 85.711+/-0.025 χ^2/NDF :217.4/6

80.035+/-0.016 χ^2/NDF : 492975.2/23

82.028+/-0.016 χ^2/NDF : 424838.4/25

reg_asym_usl_mean vs Slug



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

Left Out: 1304.835 $\pm$ 466.751 χ^2 /NDF: 6.1/7

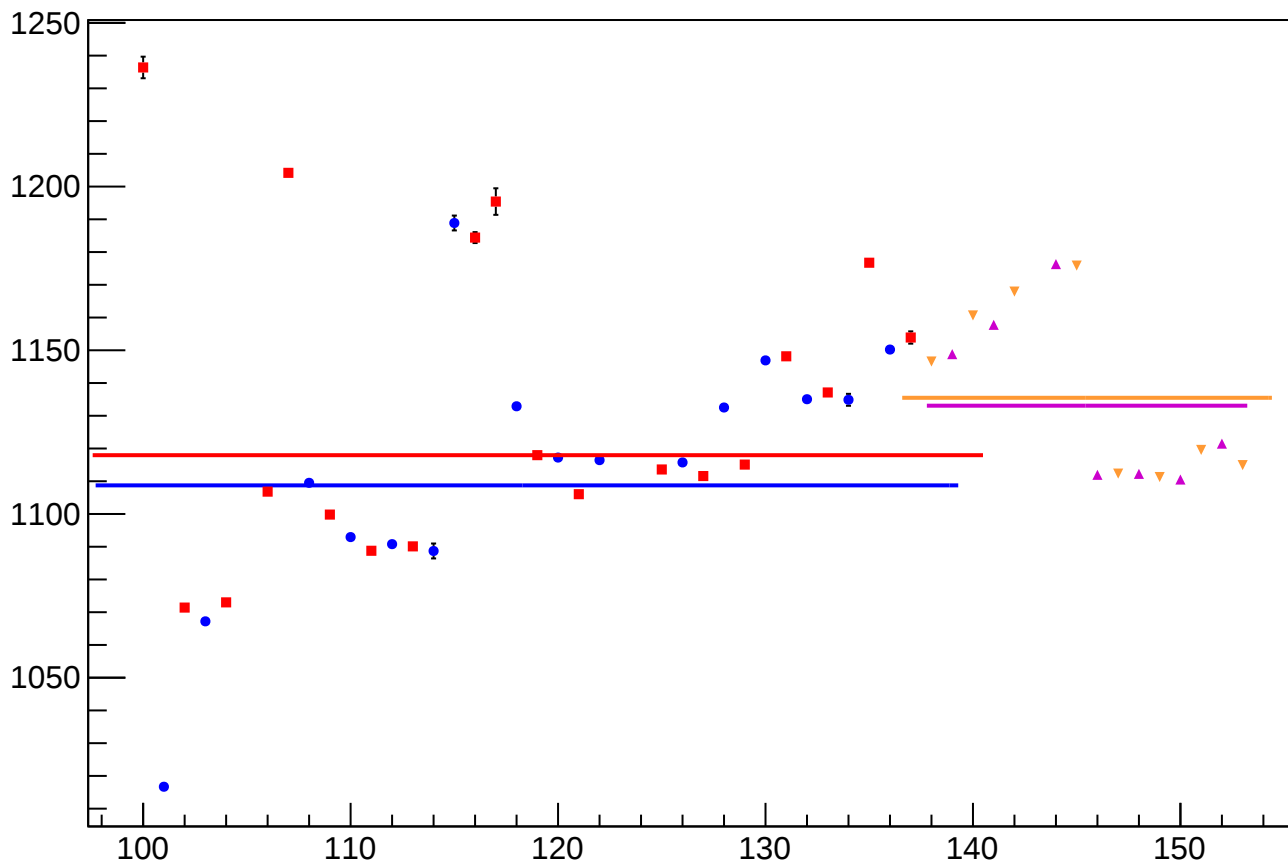
Right Out: -1964.936 $\pm$ 421.265 χ^2 /NDF: 14.2/18

Left In: -1629.092 $\pm$ 472.553 χ^2 /NDF: 12.0/6

1504.804 $\pm$ 316.489 χ^2 /NDF: 11.6/23

-1816.222 $\pm$ 314.455 χ^2 /NDF: 26.4/25

reg_asym_usl_rms vs Slug



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

Left Out: 1135.489 $\pm$ 0.330 χ^2 /NDF: 5674.7/7

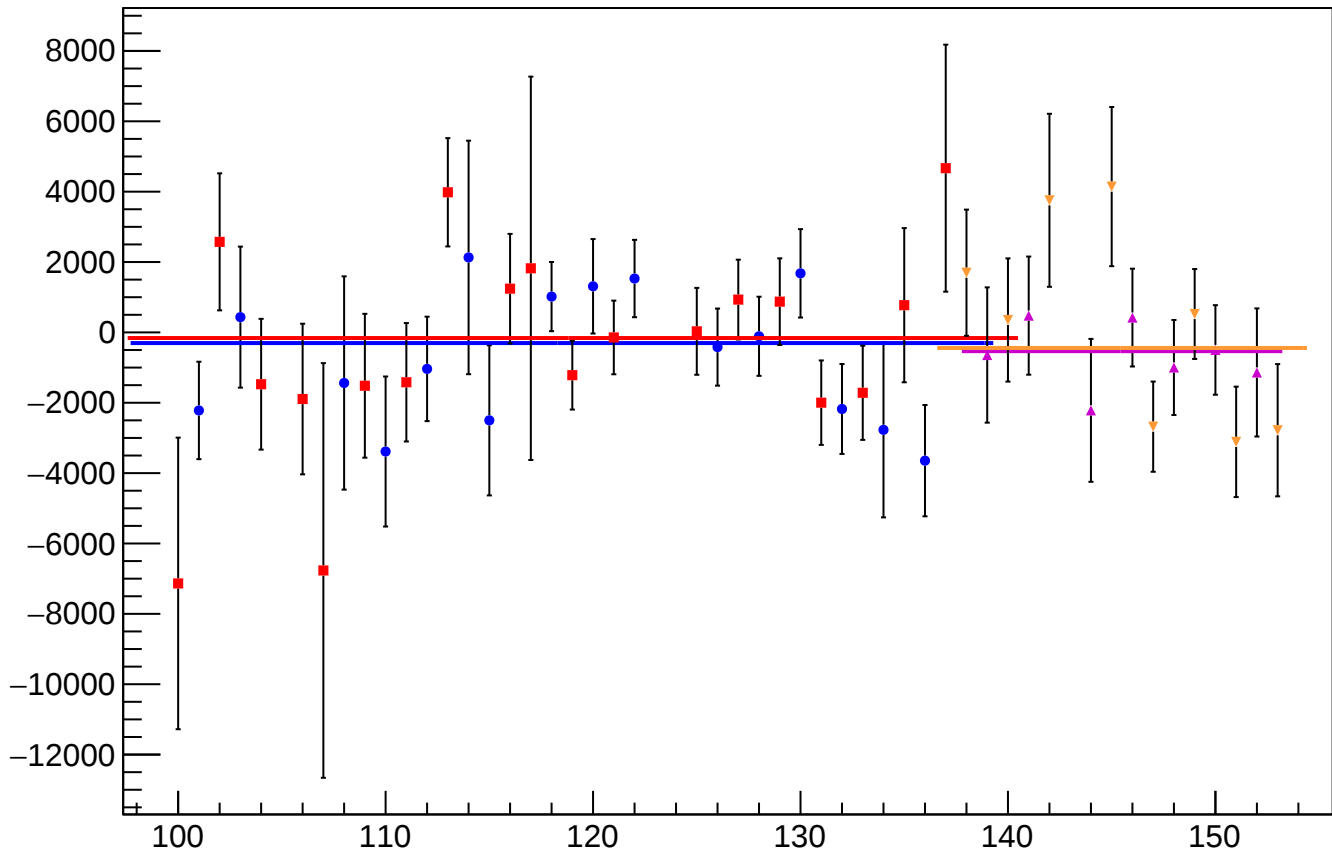
Right Out: 1117.959 $\pm$ 0.298 χ^2 /NDF: 15881.8/18

Left In: 1133.077 $\pm$ 0.334 χ^2 /NDF: 5410.4/6

1121.038 $\pm$ 0.224 χ^2 /NDF: 27304.3/23

1124.653 $\pm$ 0.222 χ^2 /NDF: 22432.8/25

asym_usl_correction_mean vs Slug



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

Left Out: -442.606 ± 586.458 $\chi^2/\text{NDF}: 16.7/7$

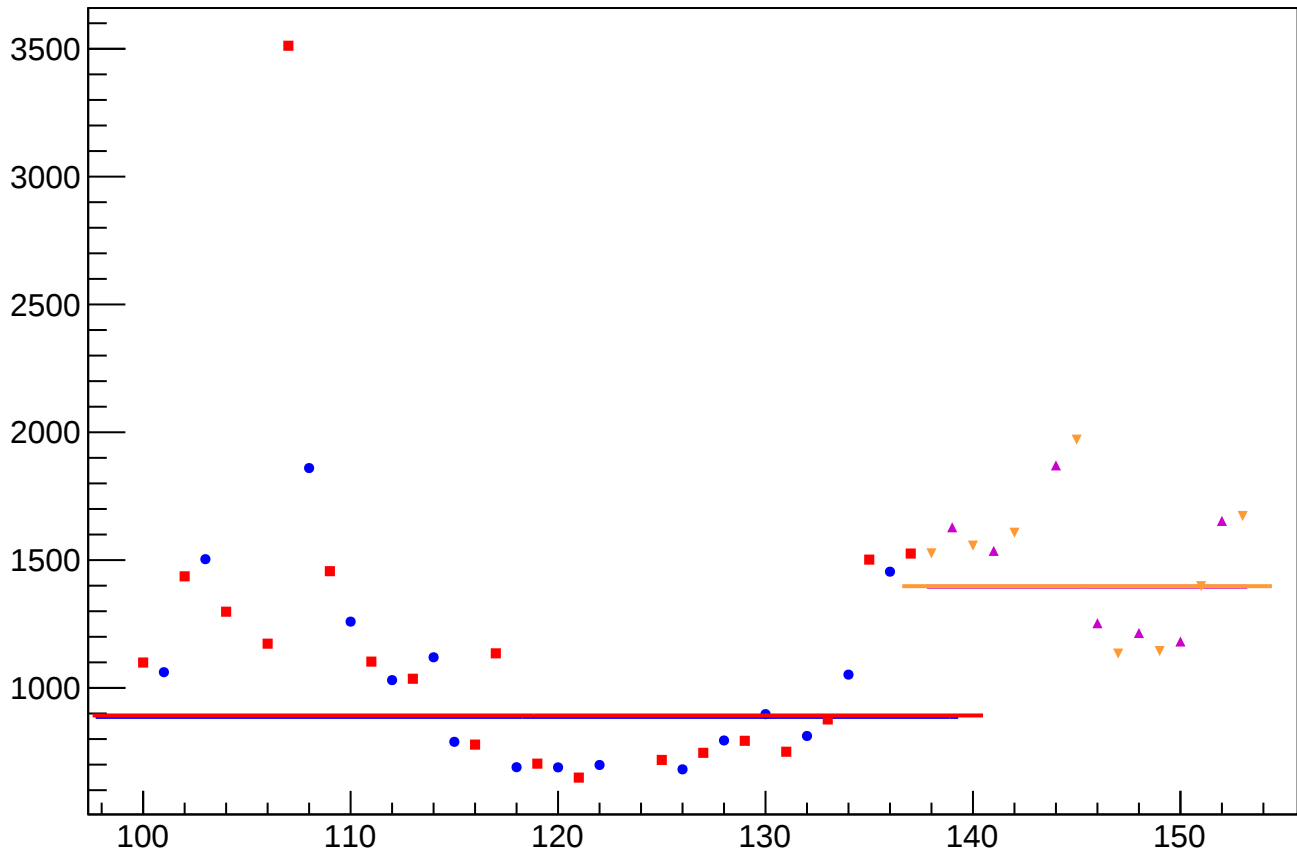
Right Out: -160.376 ± 355.478 $\chi^2/\text{NDF}: 25.0/18$

Left In: -533.720 ± 592.076 $\chi^2/\text{NDF}: 1.8/6$

-341.462 ± 306.849 $\chi^2/\text{NDF}: 39.0/23$

-259.297 ± 304.767 $\chi^2/\text{NDF}: 27.0/25$

asym_usl_correction_rms vs Slug



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

Left Out: 1398.015+/-0.415 χ^2/NDF : 375530.2/7

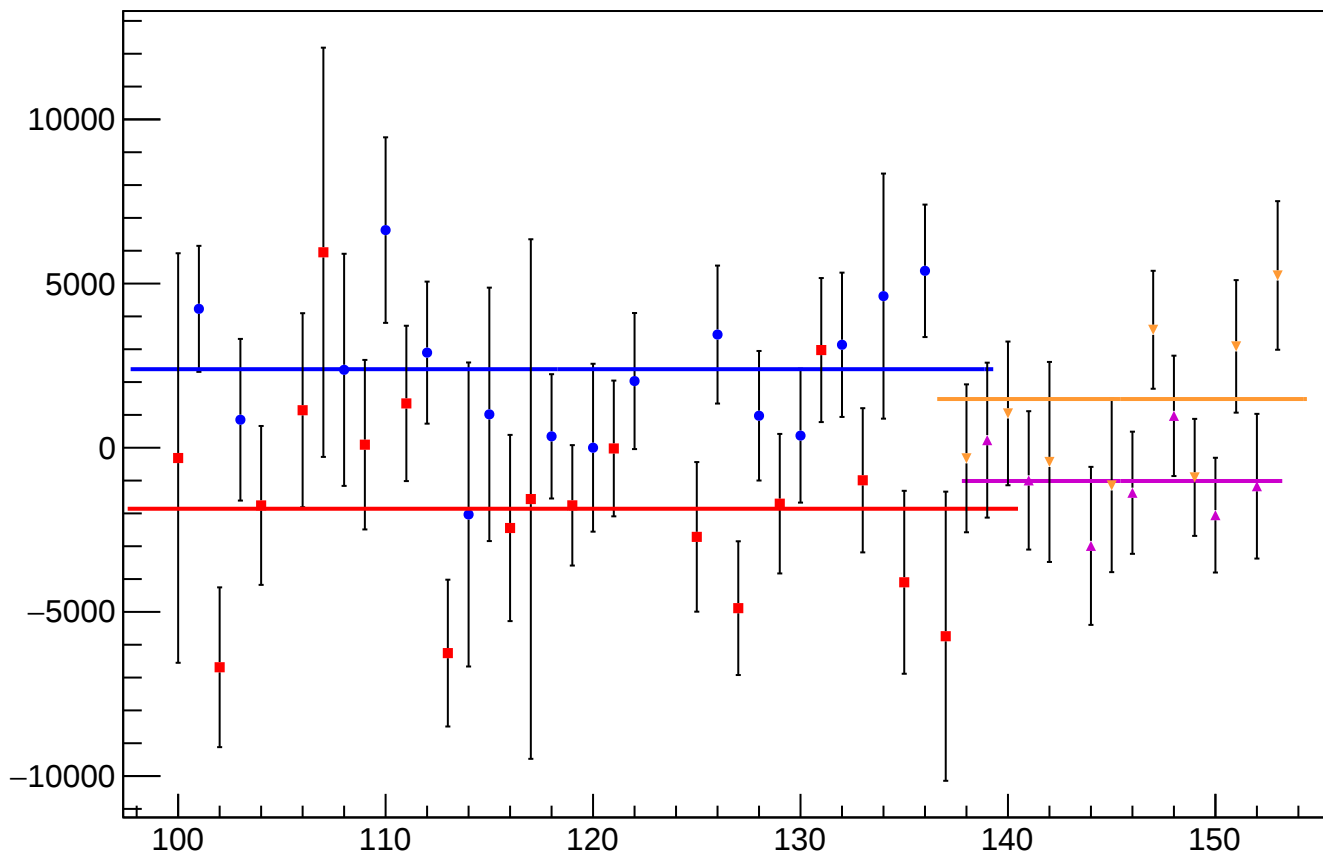
Right Out: 892.236+/-0.251 χ^2/NDF : 1418185.6/18

Left In: 1395.886+/-0.419 χ^2/NDF : 306055.4/6

1026.672+/-0.217 χ^2/NDF : 2540540.1/23

1025.683+/-0.216 χ^2/NDF : 2788000.1/25

asym_usl_mean vs Slug



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

Left Out: 1483.502 ± 761.951 χ^2/NDF : 8.6/7

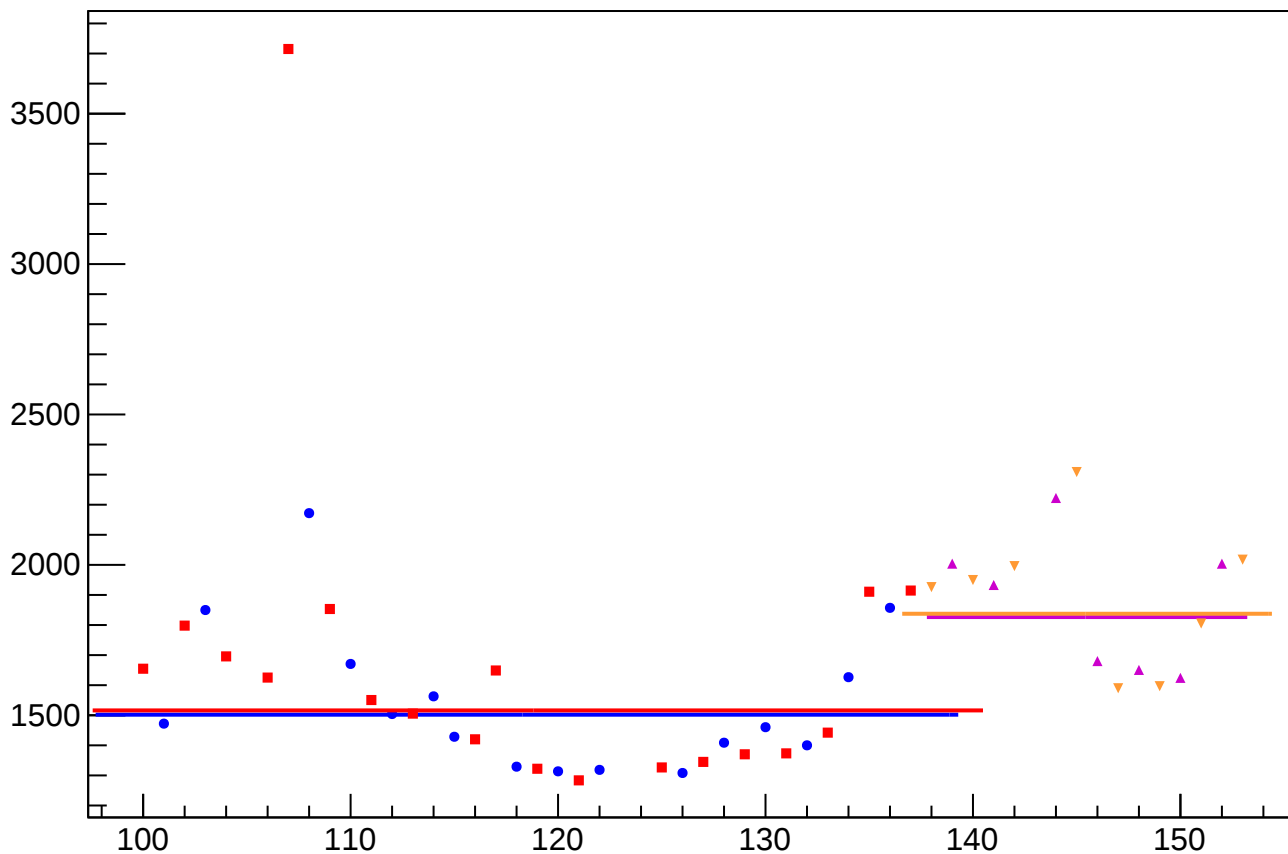
Right Out: -1858.263 ± 581.542 χ^2/NDF : 22.5/18

Left In: -1012.968 ± 767.553 χ^2/NDF : 2.5/6

2052.430 ± 465.997 χ^2/NDF : 20.7/23

-1549.989 ± 463.524 χ^2/NDF : 25.8/25

asym_usl_rms vs Slug



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

Left Out: 1837.477+/-0.539 χ^2/NDF :165045.3/7

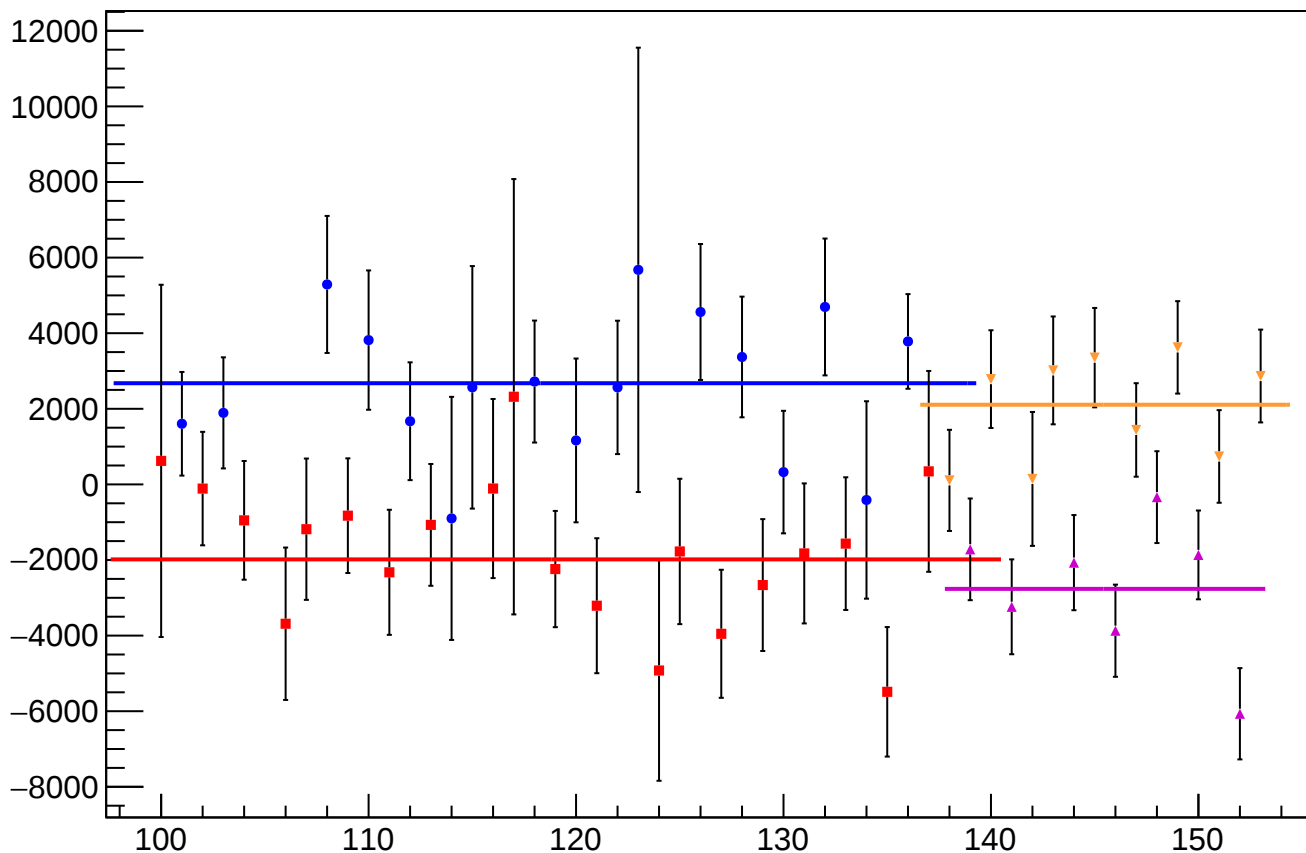
Right Out: 1516.127+/-0.411 χ^2/NDF : 480325.9/18

Left In: 1826.539+/-0.543 χ^2/NDF :141064.6/6

1627.441+/-0.330 χ^2/NDF : 662375.7/23

1629.332+/-0.328 χ^2/NDF : 829205.0/25

reg_asym_usr_mean vs Slug



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

Left Out: 2107.533 $\pm$ 438.577 χ^2 /NDF:8.5/8

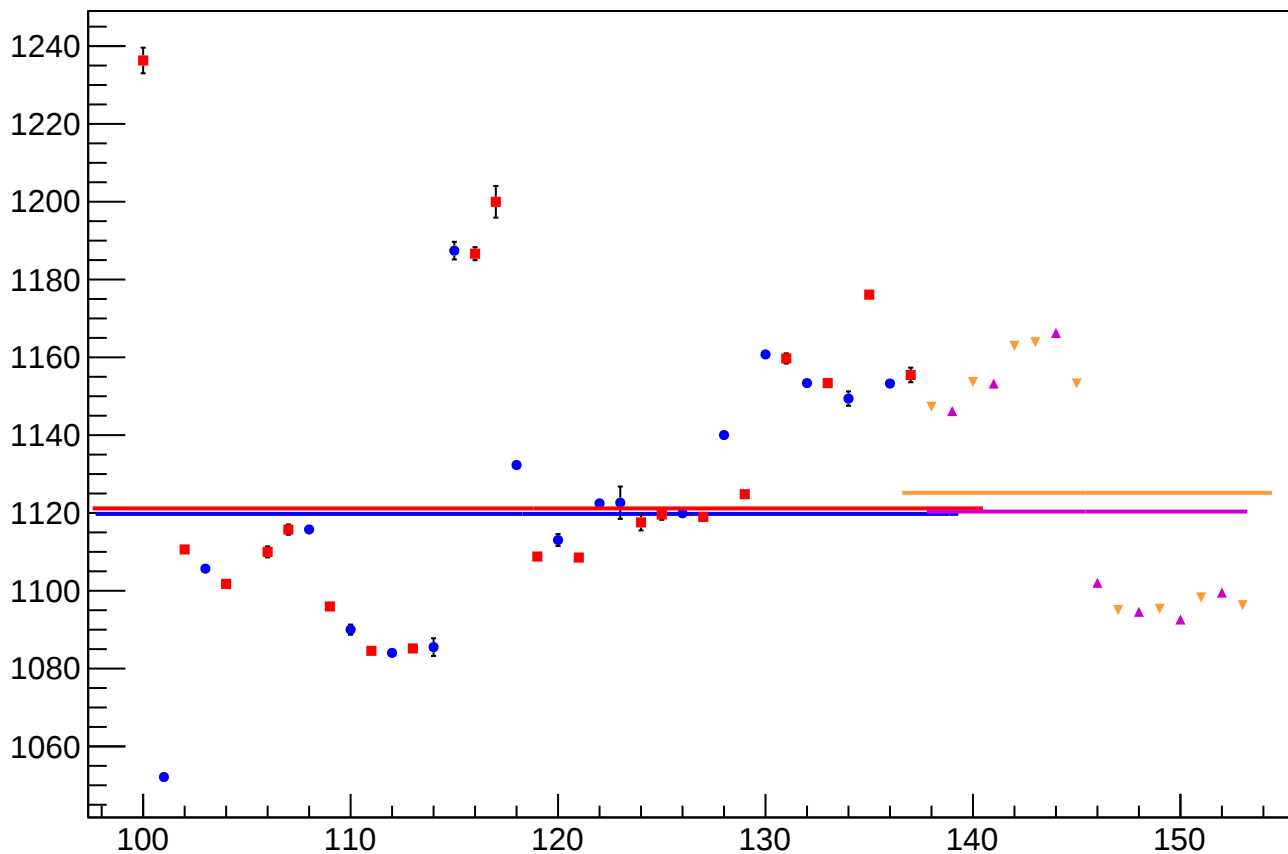
Right Out: -1983.779 $\pm$ 418.059 χ^2 /NDF: 13.4/19

Left In: -2763.938 $\pm$ 467.298 χ^2 /NDF:13.9/6

2395.368 $\pm$ 308.340 χ^2 /NDF: 21.9/25

-2330.603 $\pm$ 311.571 χ^2 /NDF: 28.9/26

reg_asym_usr_rms vs Slug



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

Left Out: 1125.174+/-0.310 χ^2/NDF : 9262.6/8

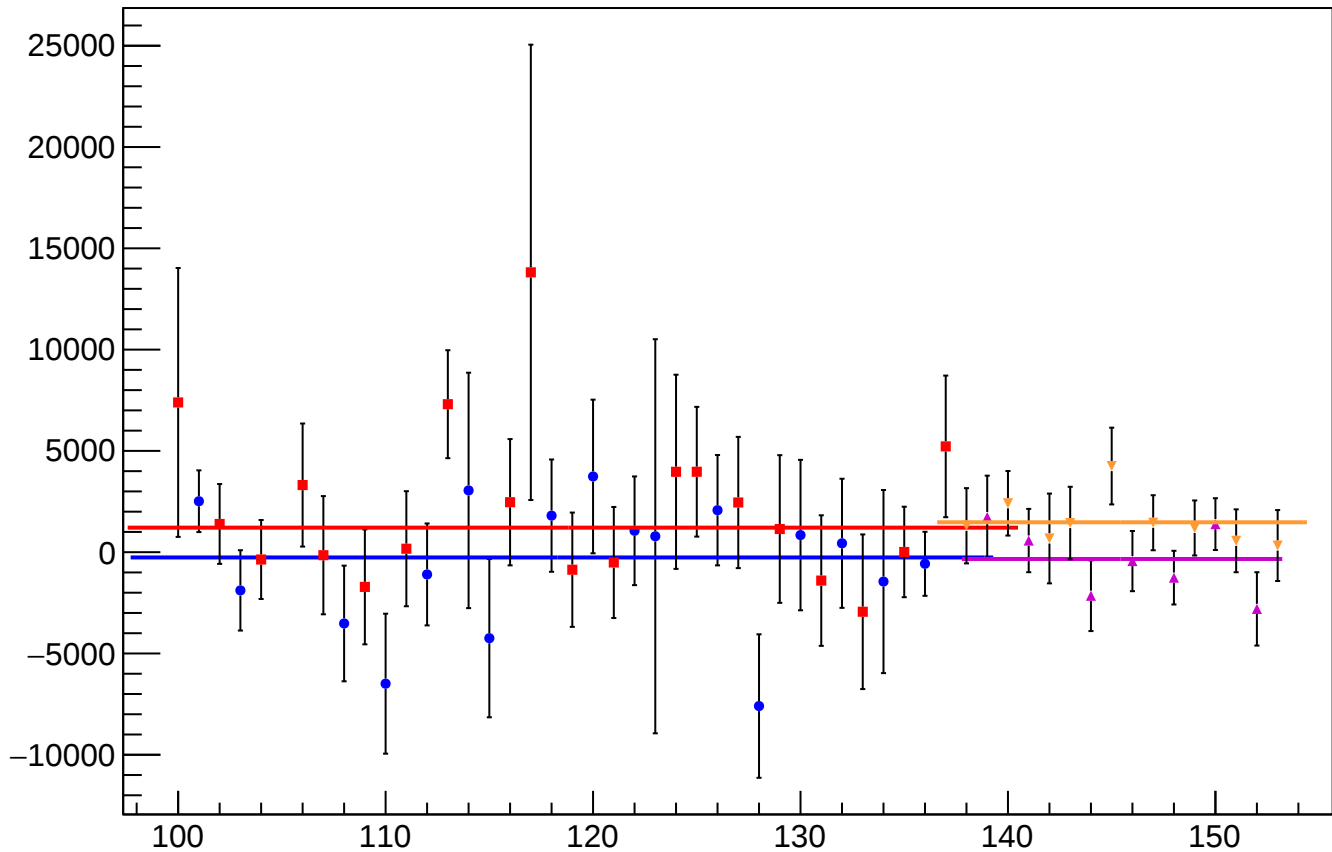
Right Out: 1121.164+/-0.296 χ^2/NDF : 10310.8/19

Left In: 1120.359+/-0.330 χ^2/NDF : 7836.0/6

1122.437+/-0.218 χ^2/NDF : 21293.5/25

1120.806+/-0.220 χ^2/NDF : 18150.1/26

asym_usr_correction_mean vs Slug



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

Left Out: 1476.322+/-550.164 χ^2/NDF : 3.5/8

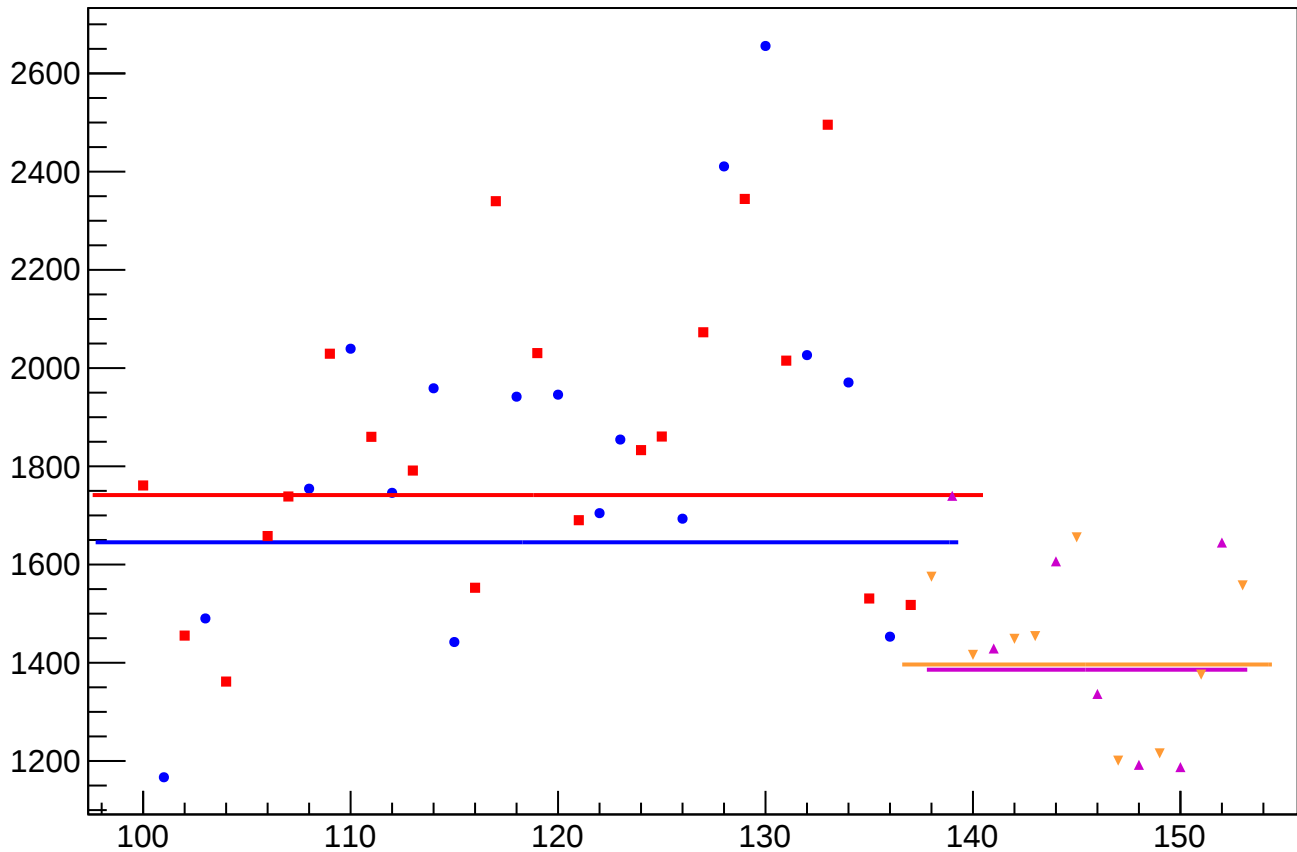
Right Out: 1211.378+/-661.281 χ^2/NDF : 15.7/19

Left In: -335.178+/-585.484 χ^2/NDF : 6.6/6

758.495+/-421.348 χ^2/NDF : 24.8/25

344.424+/-438.359 χ^2/NDF : 25.3/26

asym_usr_correction_rms vs Slug



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

Left Out: 1396.479+/-0.389 χ^2/NDF : 153751.3/8

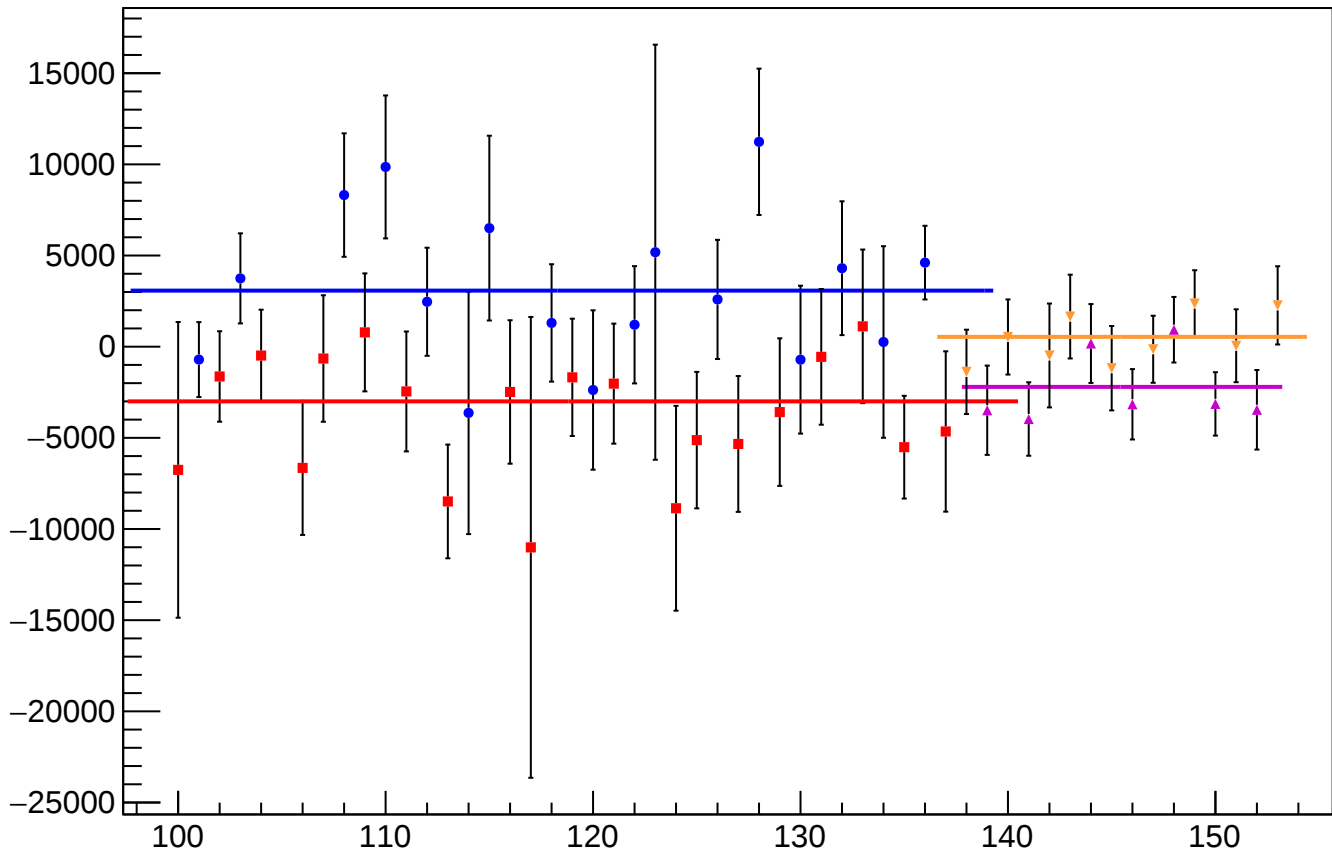
Right Out: 1741.460+/-0.468 χ^2/NDF : 376702.2/19

Left In: 1385.848+/-0.414 χ^2/NDF : 227543.1/6

1499.360+/-0.298 χ^2/NDF : 923817.8/25

1542.114+/-0.310 χ^2/NDF : 928468.3/26

asym_usr_mean vs Slug



Right In: 3075.401 ± 802.249 χ^2/NDF : 18.6/16

Left Out: 539.418 ± 709.979 χ^2/NDF : 3.4/8

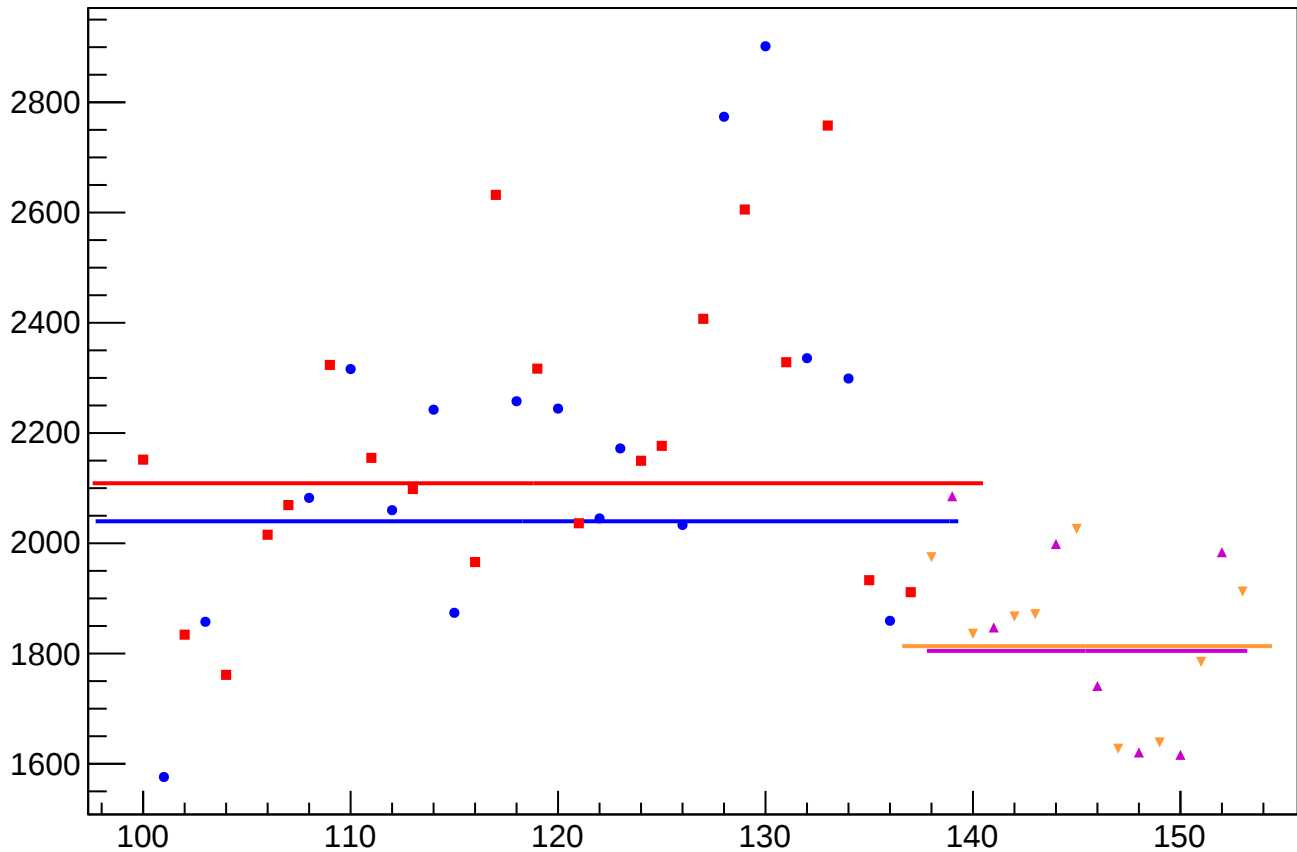
Right Out: -2999.277 ± 794.066 χ^2/NDF : 12.3/19

Left In: -2204.997 ± 756.889 χ^2/NDF : 6.2/6

1653.248 ± 531.674 χ^2/NDF : 27.7/25

-2583.108 ± 547.873 χ^2/NDF : 19.0/26

asym_usr_rms vs Slug



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

Left Out: 1813.383 $\pm$ 0.502 χ^2 /NDF: 72239.6/8

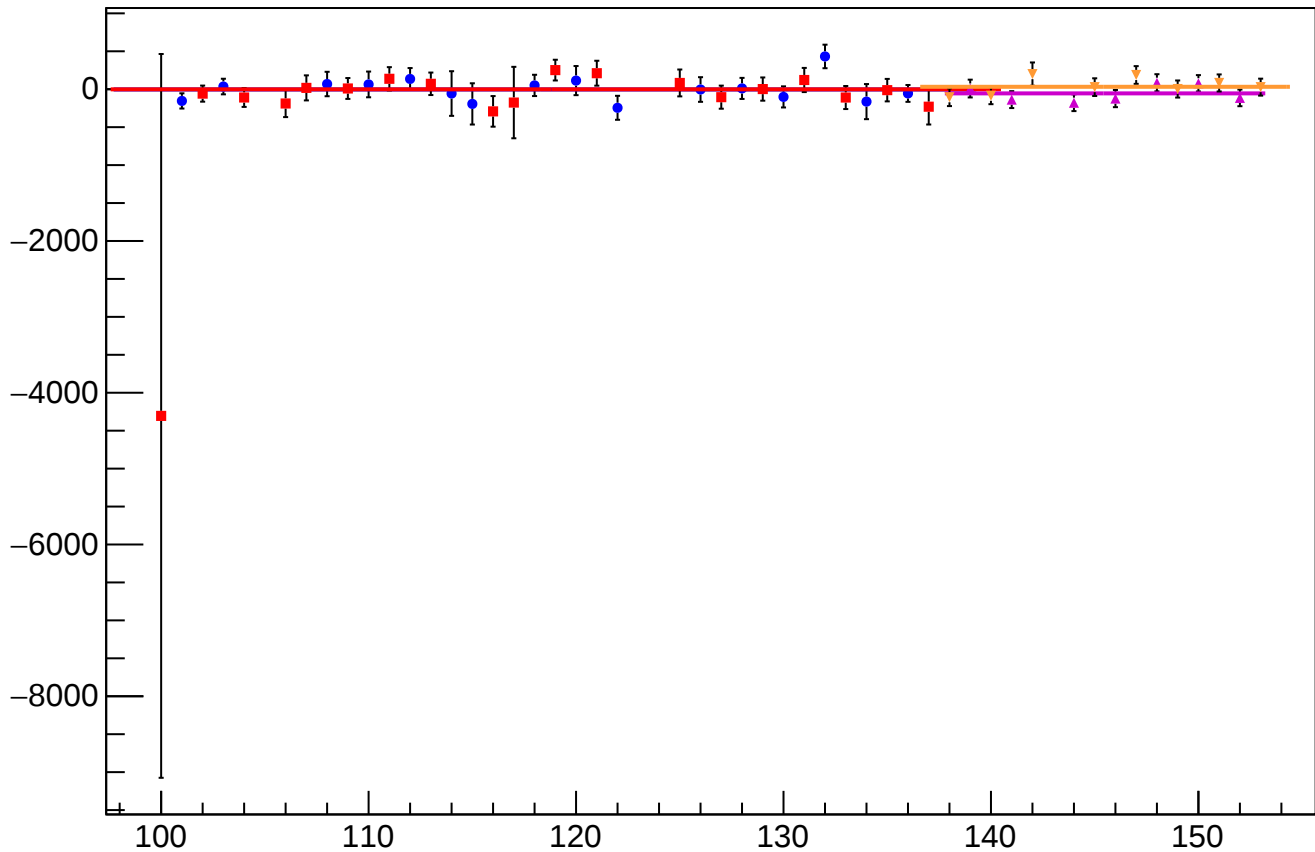
Right Out: 2108.906 $\pm$ 0.561 χ^2 /NDF: 198889.3/19

Left In: 1804.843 $\pm$ 0.535 χ^2 /NDF: 103386.6/6

1912.890 $\pm$ 0.376 χ^2 /NDF: 493672.2/25

1949.590 $\pm$ 0.387 χ^2 /NDF: 455928.4/26

reg_asym_dsl_mean vs Slug



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

Left Out: 32.018 ± 41.474 χ^2/NDF : 5.7/7

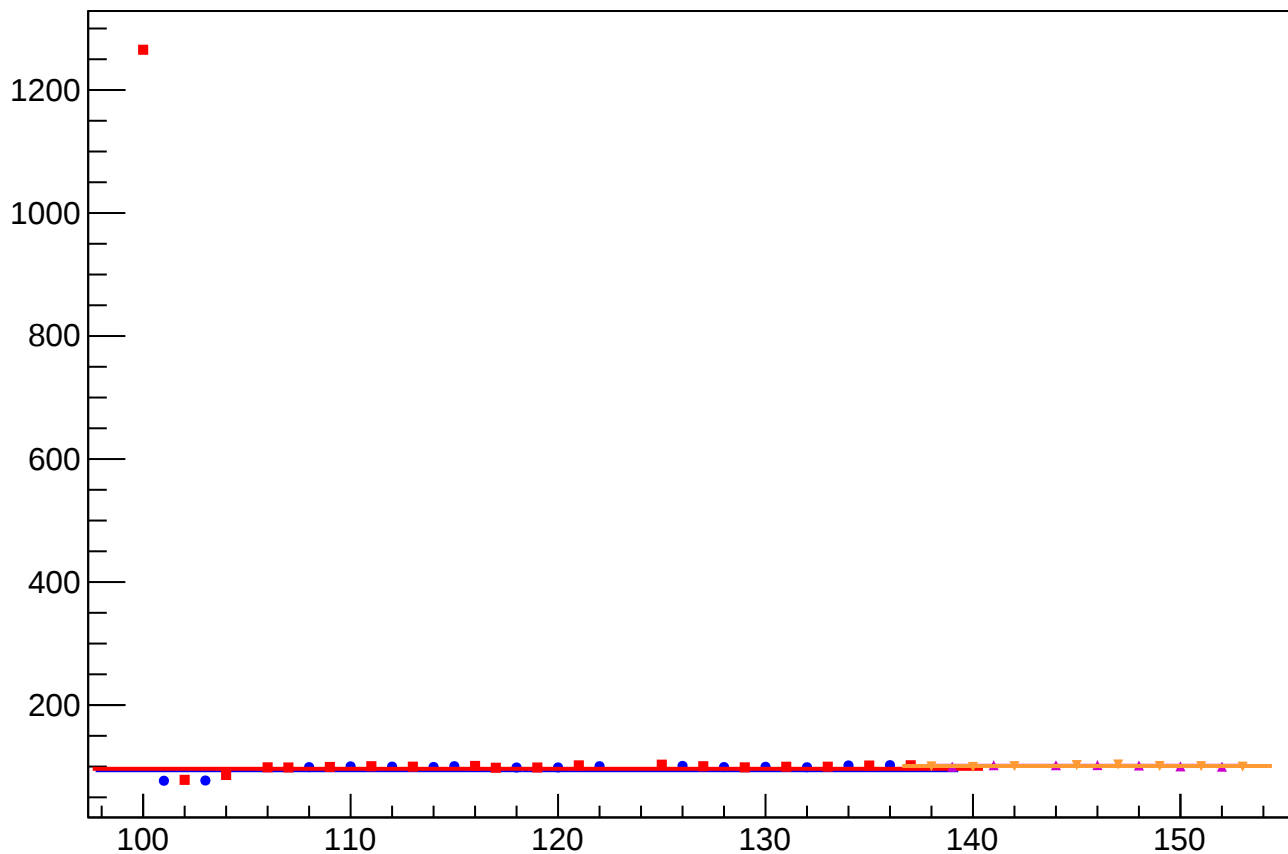
Right Out: -1.545 ± 36.588 χ^2/NDF : 14.1/18

Left In: -54.803 ± 42.214 χ^2/NDF : 5.8/6

12.227 ± 27.490 χ^2/NDF : 22.3/23

-24.391 ± 27.648 χ^2/NDF : 20.8/25

reg_asym_dsl_rms vs Slug



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

Left Out: 100.912+/-0.029 χ^2/NDF : 1800.0/7

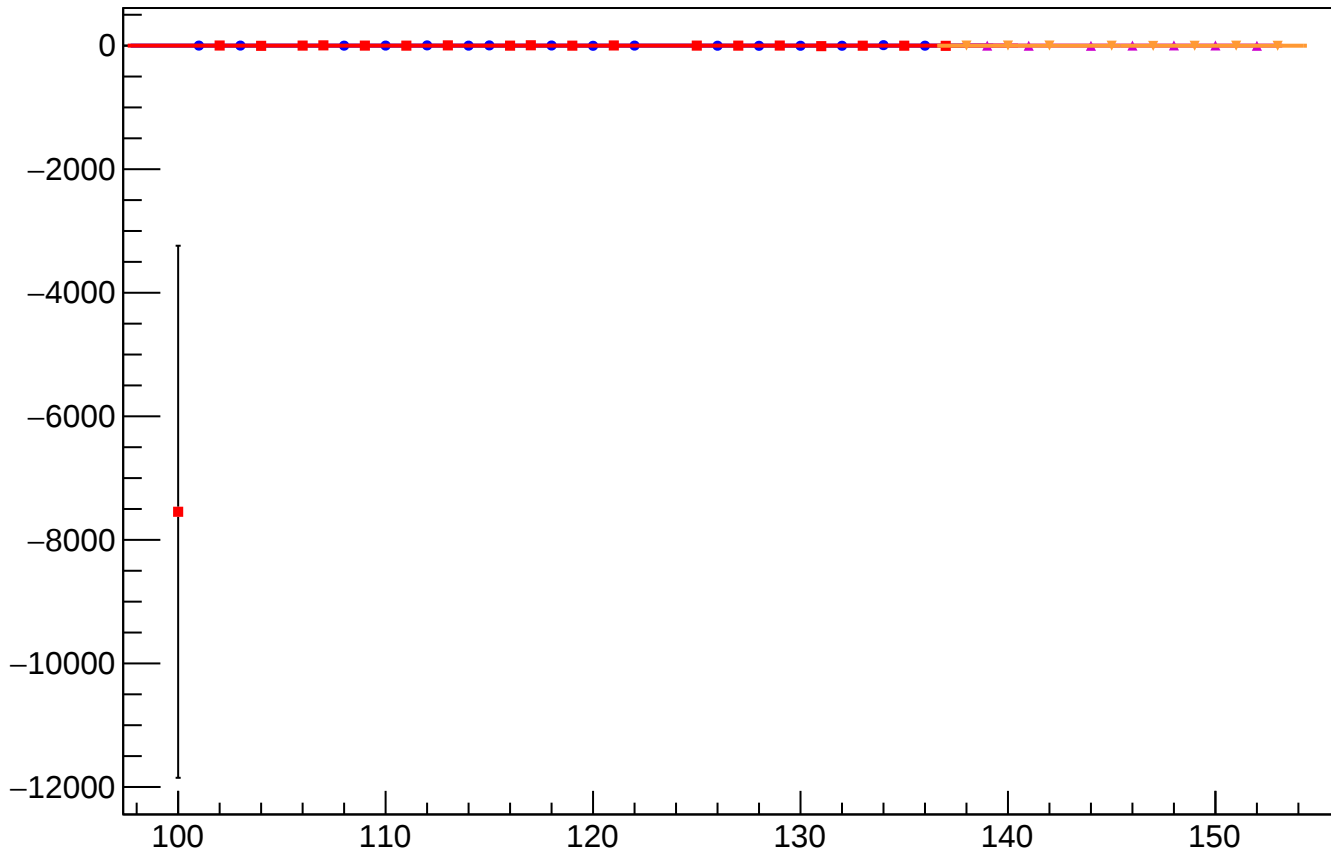
Right Out: 96.383+/-0.026 χ^2/NDF : 209255.3/18

Left In: 101.237+/-0.030 χ^2/NDF : 1308.1/6

97.075+/-0.019 χ^2/NDF : 184613.5/23

98.465+/-0.020 χ^2/NDF : 225664.0/25

asym_dsl_correction_mean vs Slug



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

Left Out: -0.958+/-0.716 χ^2/NDF : 7.1/7

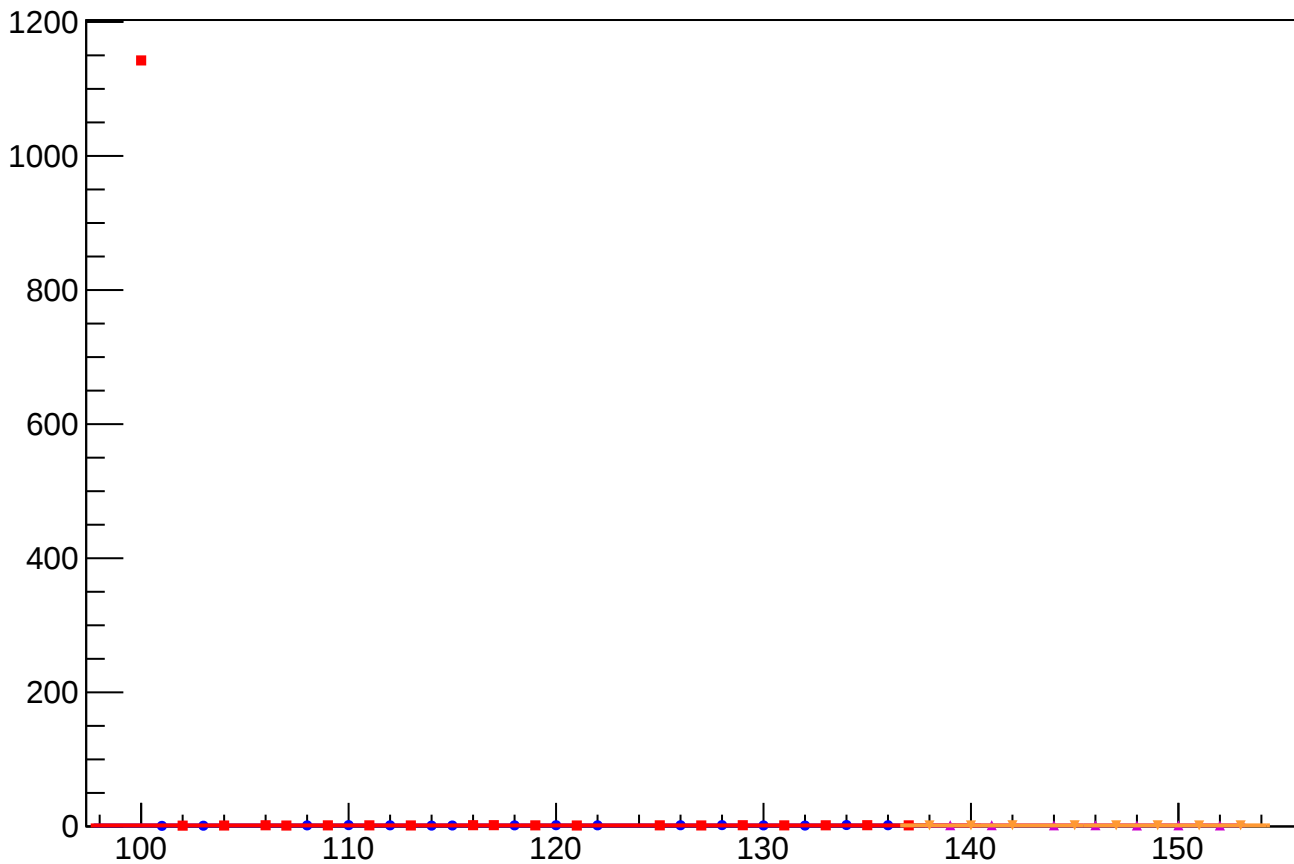
Right Out: 0.336+/-0.641 χ^2/NDF : 23.1/18

Left In: 0.714+/-0.757 χ^2/NDF : 9.2/6

-0.162+/-0.467 χ^2/NDF : 18.9/23

0.494+/-0.489 χ^2/NDF : 32.4/25

asym_dsl_correction_rms vs Slug



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

Left Out: 1.606 $\pm$ 0.001 χ^2 /NDF: 27142.1/7

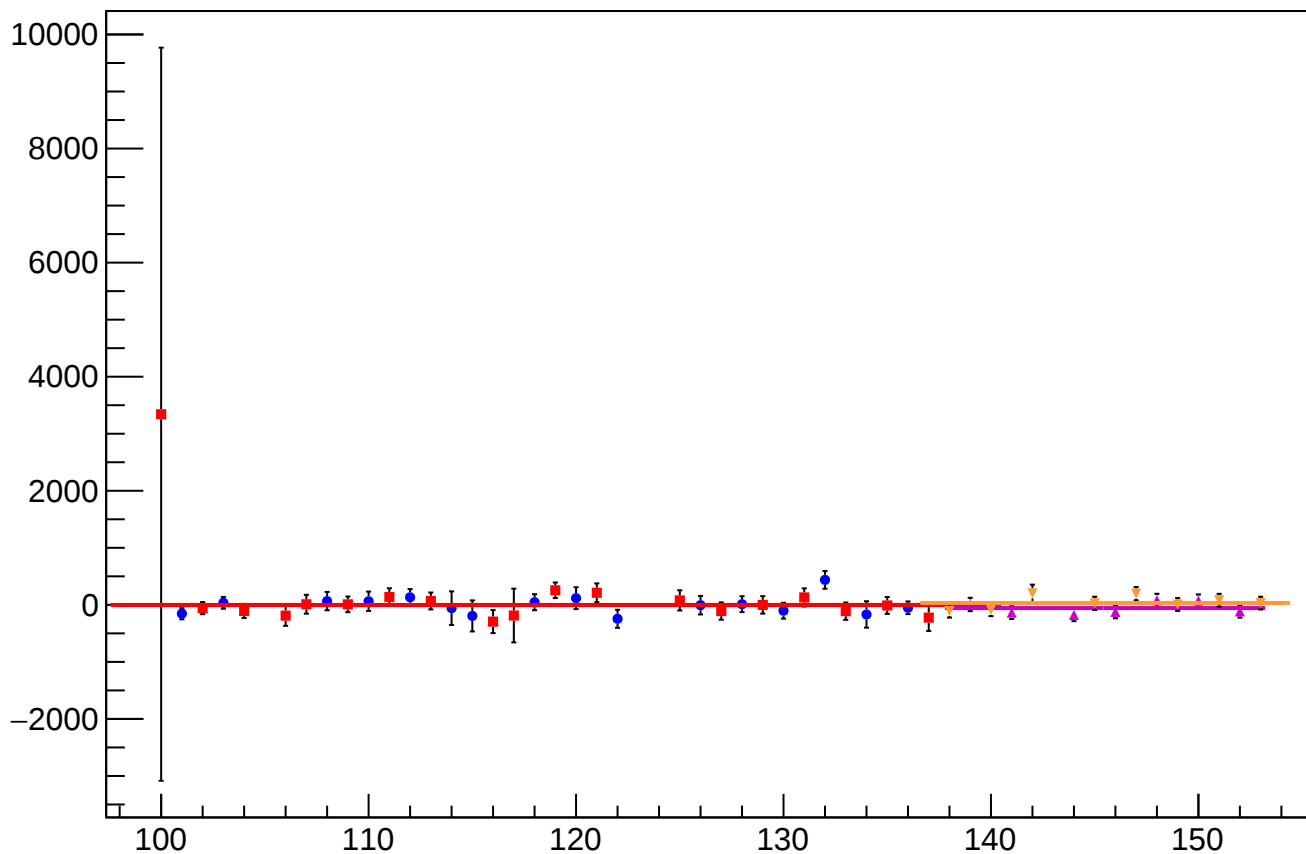
Right Out: 1.557 $\pm$ 0.000 χ^2 /NDF: 318750.9/18

Left In: 1.687 $\pm$ 0.001 χ^2 /NDF: 71698.0/6

1.499 $\pm$ 0.000 χ^2 /NDF: 835648.2/23

1.611 $\pm$ 0.000 χ^2 /NDF: 424457.7/25

asym_dsl_mean vs Slug



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

Left Out: 33.358+/-41.485 χ^2/NDF : 6.0/7

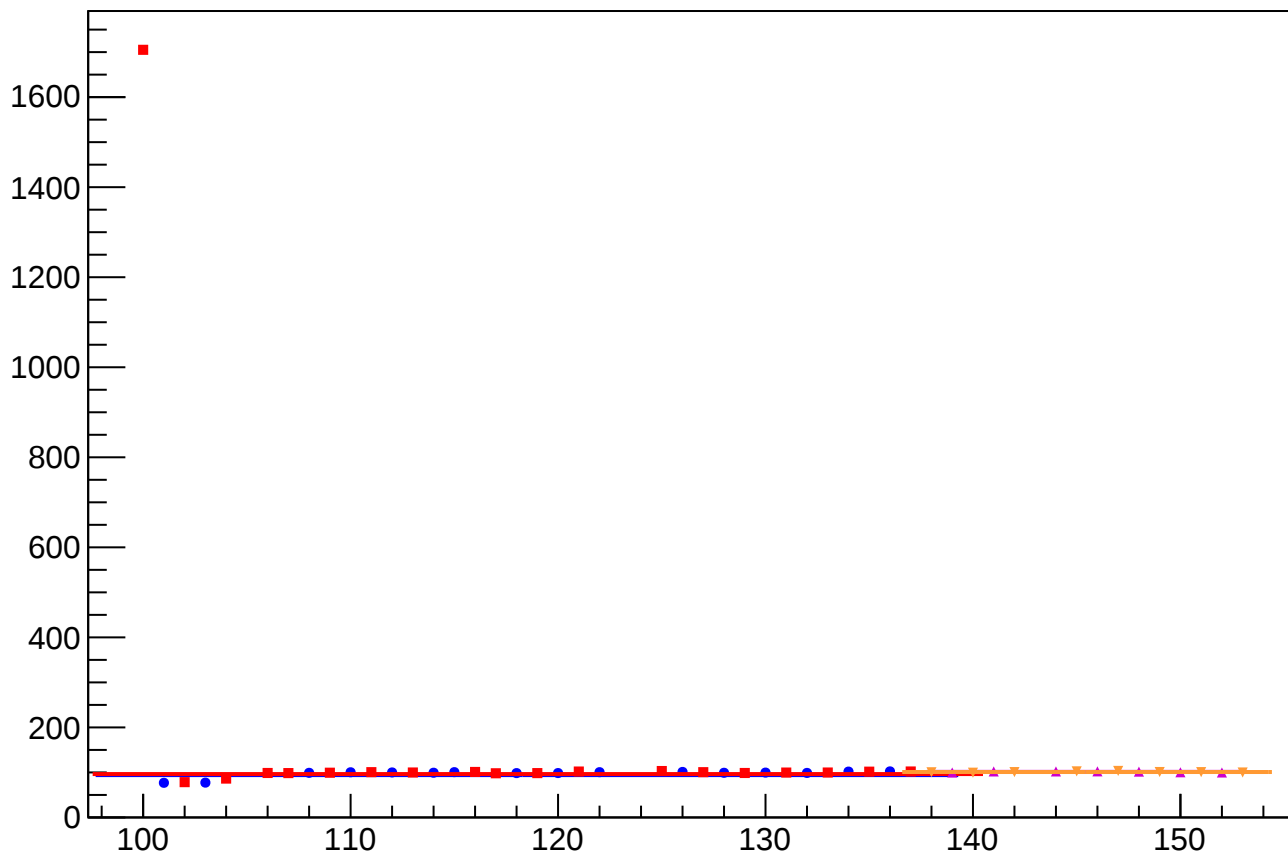
Right Out: -1.300+/-36.598 χ^2/NDF : 13.7/18

Left In: -55.855+/-42.225 χ^2/NDF : 5.6/6

12.918+/-27.497 χ^2/NDF : 22.7/23

-24.703+/-27.656 χ^2/NDF : 20.2/25

asym_dsl_rms vs Slug



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

Left Out: 100.938+/-0.029 χ^2/NDF : 1798.7/7

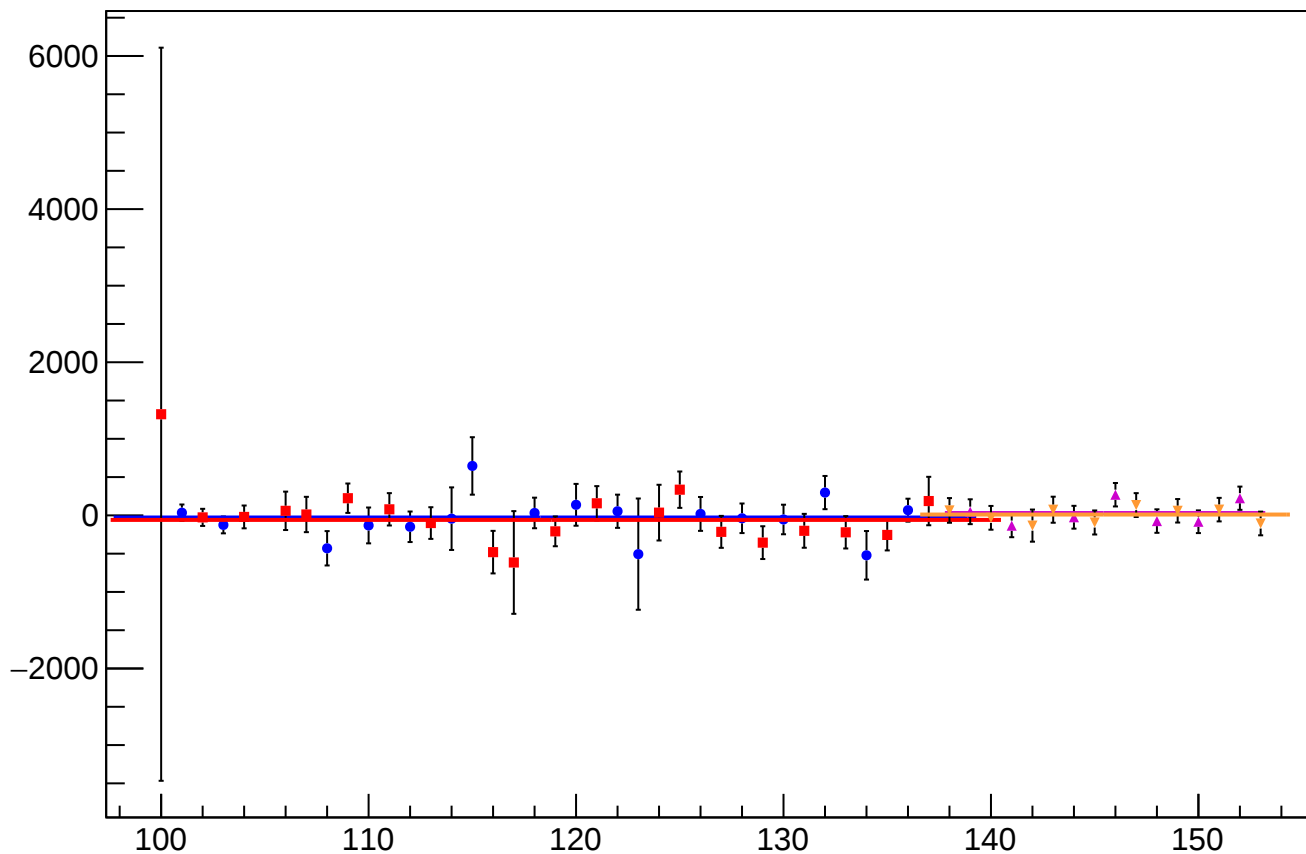
Right Out: 96.391+/-0.026 χ^2/NDF : 214389.8/18

Left In: 101.263+/-0.030 χ^2/NDF : 1309.5/6

97.100+/-0.019 χ^2/NDF : 184633.3/23

98.481+/-0.020 χ^2/NDF : 230902.9/25

reg_asym_dsr_mean vs Slug



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

Left Out: 10.875 ± 53.787 χ^2/NDF : 2.7/8

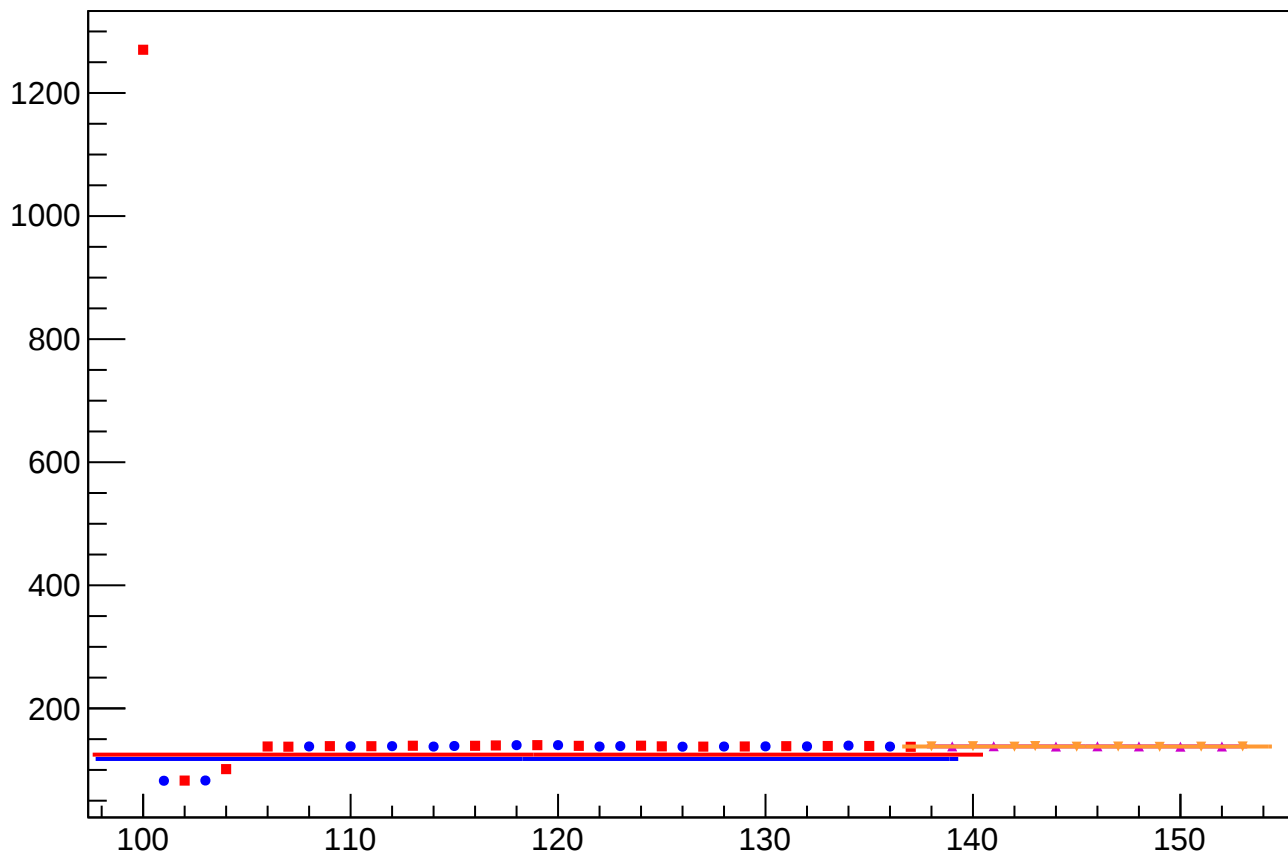
Right Out: -59.211 ± 47.588 χ^2/NDF : 15.6/19

Left In: 30.232 ± 57.641 χ^2/NDF : 6.5/6

-11.168 ± 35.296 χ^2/NDF : 17.3/25

-22.957 ± 36.697 χ^2/NDF : 23.5/26

reg_asym_dsr_rms vs Slug



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

Left Out: 138.039 ± 0.038 χ^2/NDF : 98.2/8

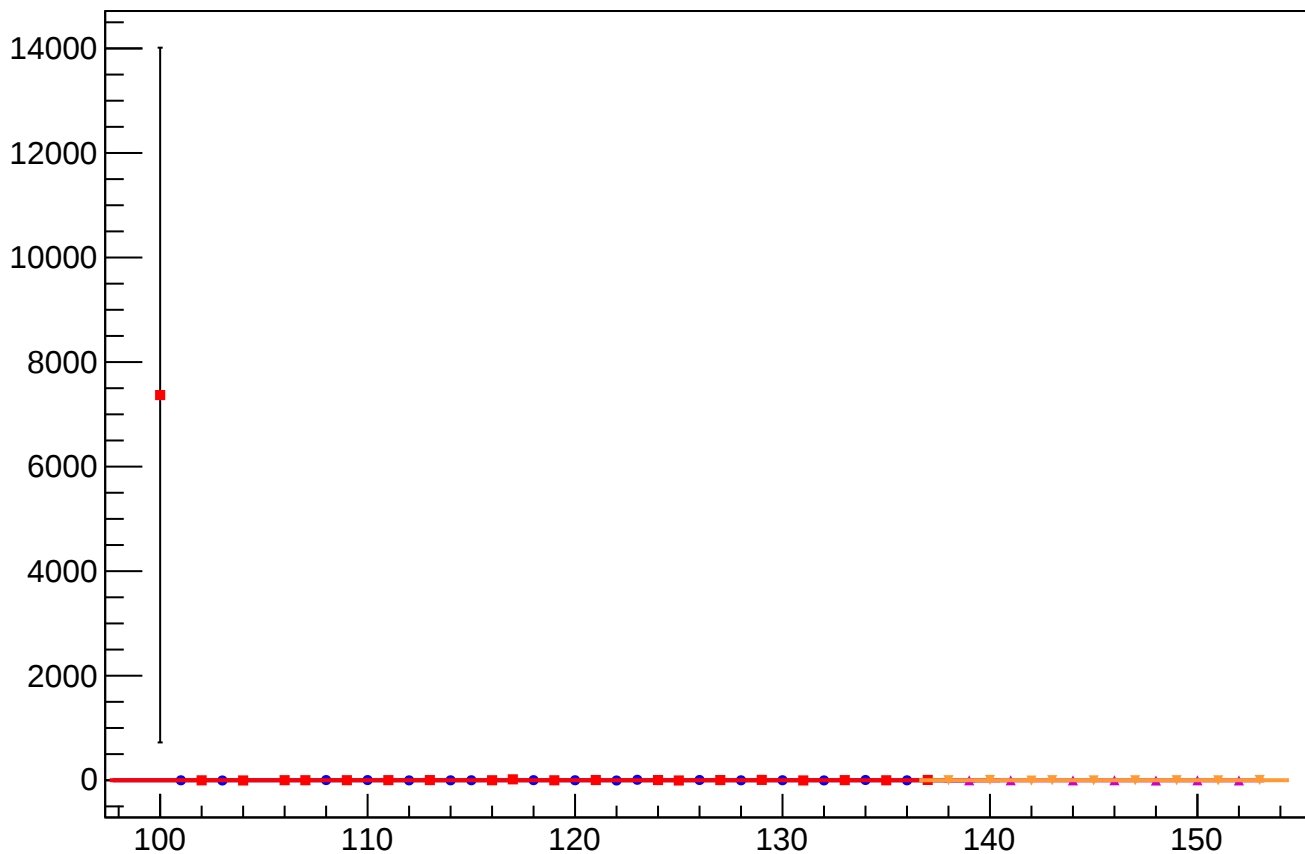
Right Out: 124.839 ± 0.034 χ^2/NDF : 570766.0/19

Left In: 138.234 ± 0.041 χ^2/NDF : 27.8/6

126.524 ± 0.025 χ^2/NDF : 827675.1/25

130.268 ± 0.026 χ^2/NDF : 635025.9/26

asym_dsr_correction_mean vs Slug



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

Left Out: 0.470+/-0.900 χ^2/NDF : 11.7/8

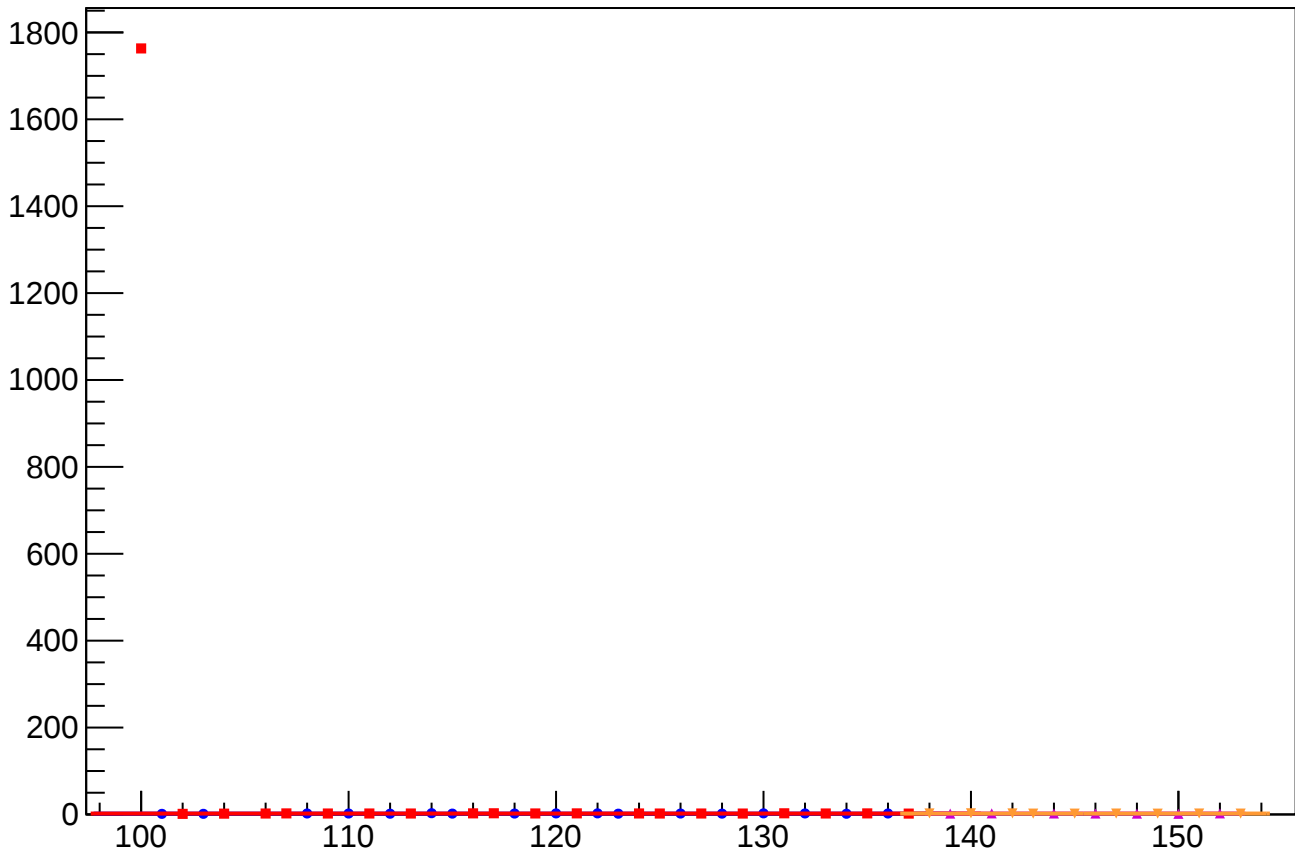
Right Out: 0.719+/-0.849 χ^2/NDF : 15.3/19

Left In: -1.549+/-0.964 χ^2/NDF : 2.5/6

-0.174+/-0.602 χ^2/NDF : 25.3/25

-0.271+/-0.637 χ^2/NDF : 20.9/26

asym_dsr_correction_rms vs Slug



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

Left Out: 2.093 $\pm$ 0.001 χ^2 /NDF: 139407.6/8

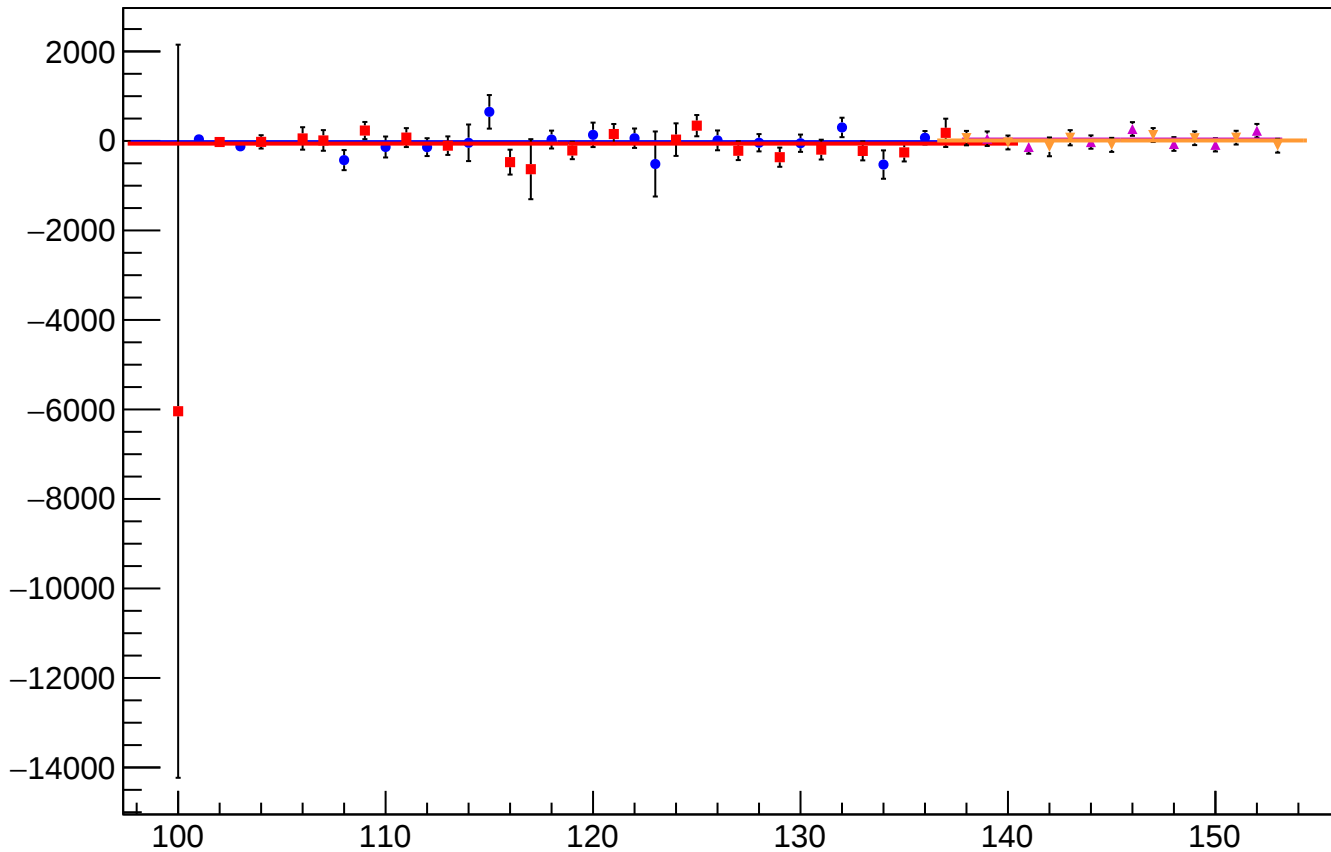
Right Out: 2.068 $\pm$ 0.001 χ^2 /NDF: 530286.7/19

Left In: 2.057 $\pm$ 0.001 χ^2 /NDF: 246000.6/6

1.969 $\pm$ 0.000 χ^2 /NDF: 700869.7/25

2.063 $\pm$ 0.000 χ^2 /NDF: 776427.3/26

asym_dsr_mean vs Slug



Right In: -26.258 ± 46.789 $\chi^2/\text{NDF}: 14.4/16$

Left Out: 10.157 ± 53.801 $\chi^2/\text{NDF}: 2.6/8$

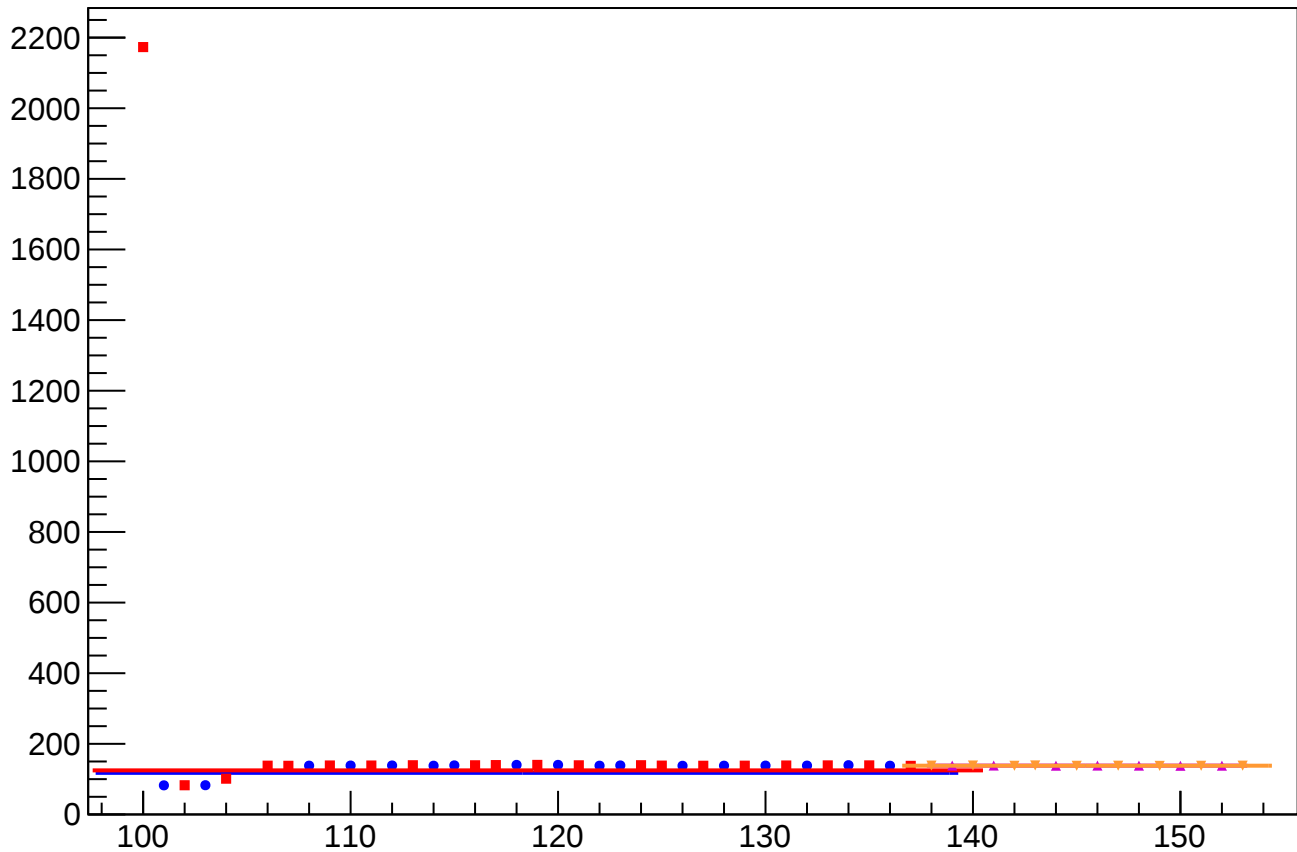
Right Out: -60.159 ± 47.602 $\chi^2/\text{NDF}: 16.2/19$

Left In: 30.847 ± 57.656 $\chi^2/\text{NDF}: 6.5/6$

-10.577 ± 35.306 $\chi^2/\text{NDF}: 17.3/25$

-23.270 ± 36.708 $\chi^2/\text{NDF}: 24.2/26$

asym_dsr_rms vs Slug



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

Left Out: 138.075 $\pm$ 0.038 χ^2 /NDF: 98.2/8

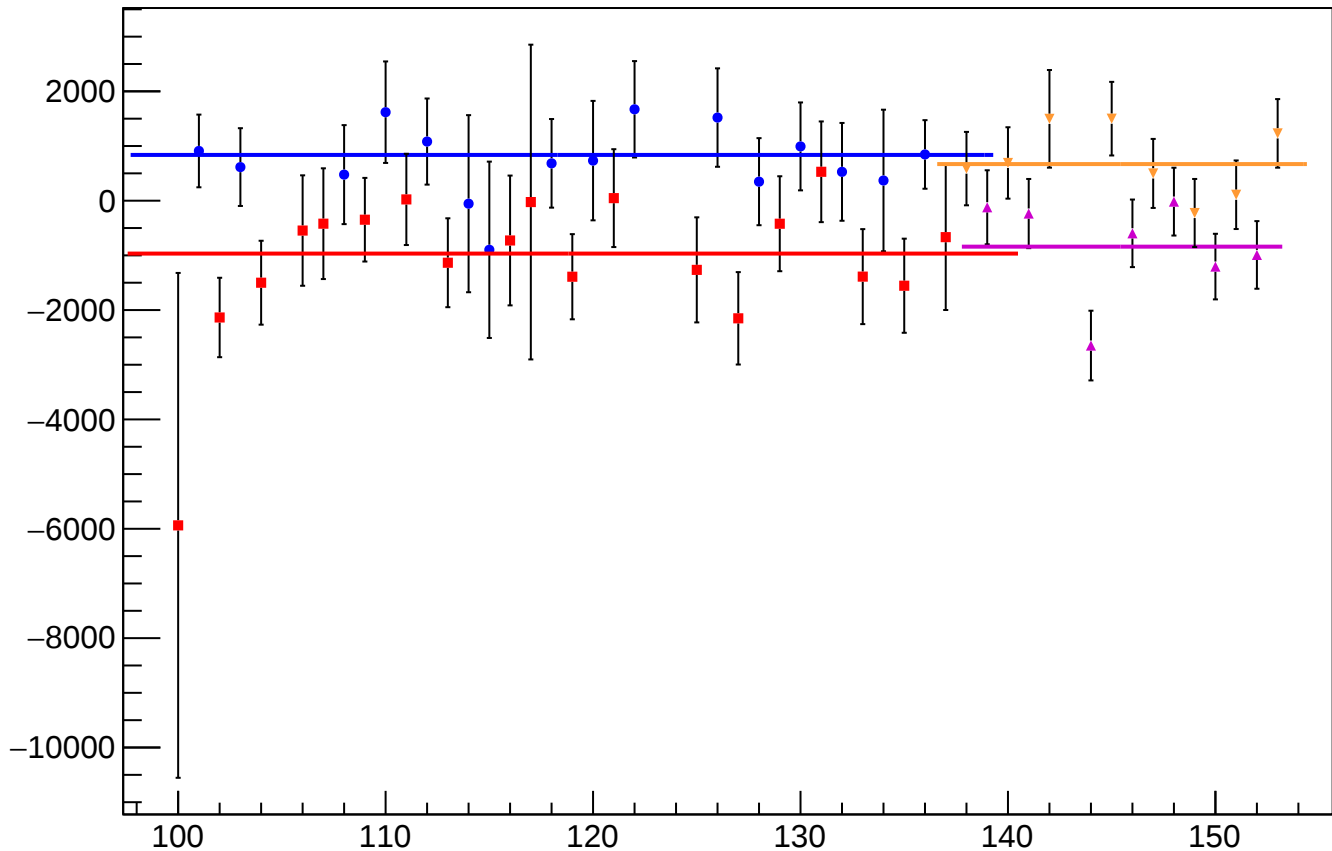
Right Out: 124.828 $\pm$ 0.034 χ^2 /NDF: 581349.7/19

Left In: 138.271 $\pm$ 0.041 χ^2 /NDF: 27.8/6

126.558 $\pm$ 0.025 χ^2 /NDF: 827698.3/25

130.277 $\pm$ 0.026 χ^2 /NDF: 646028.9/26

reg_asym_left_avg_mean vs Slug



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

Left Out: 669.610 $\pm$ 234.393 χ^2 /NDF: 6.1/7

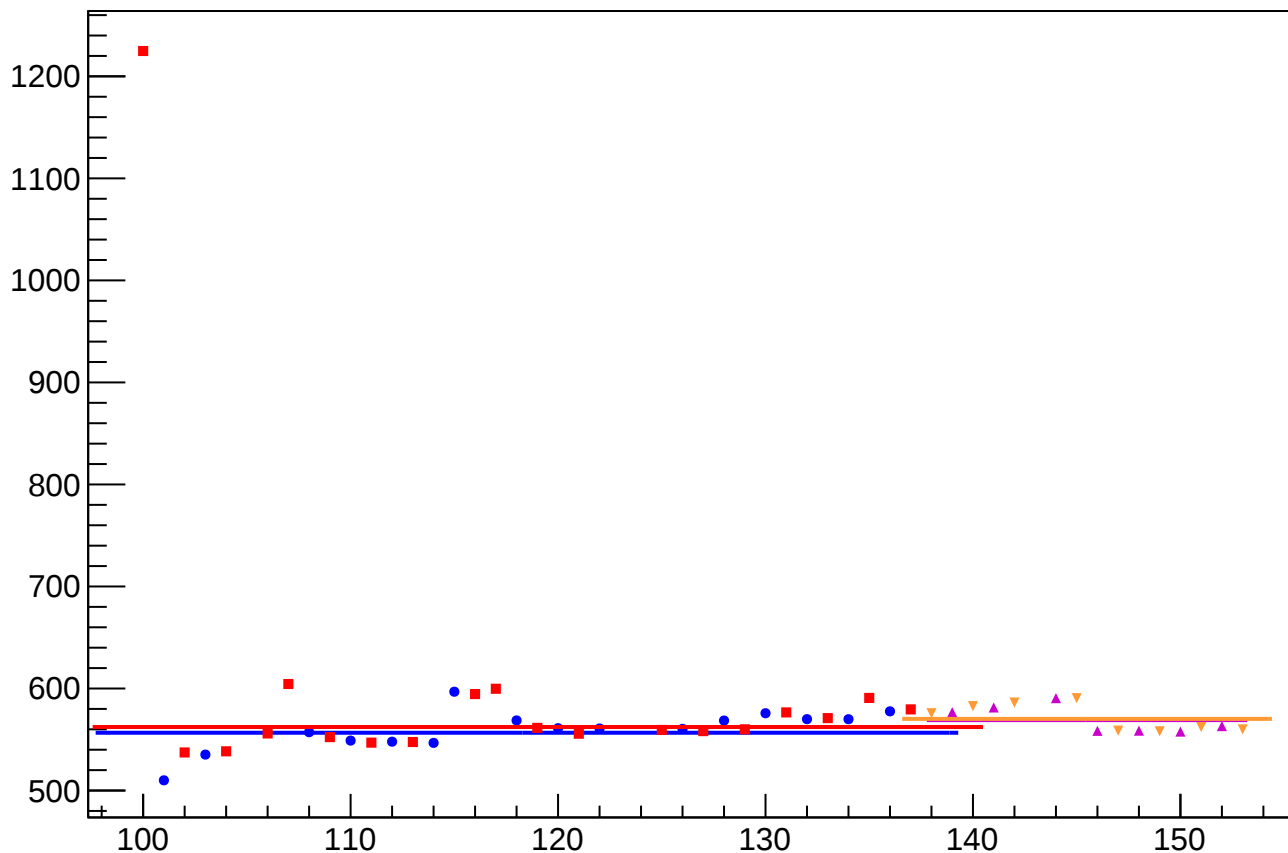
Right Out: -967.277 $\pm$ 212.168 χ^2 /NDF: 14.4/18

Left In: -840.477 $\pm$ 237.311 χ^2 /NDF: 12.4/6

760.085 $\pm$ 158.912 χ^2 /NDF: 11.1/23

-910.948 $\pm$ 158.170 χ^2 /NDF: 27.0/25

reg_asym_left_avg_rms vs Slug



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

Left Out: 570.221+/-0.166 χ^2/NDF : 5617.1/7

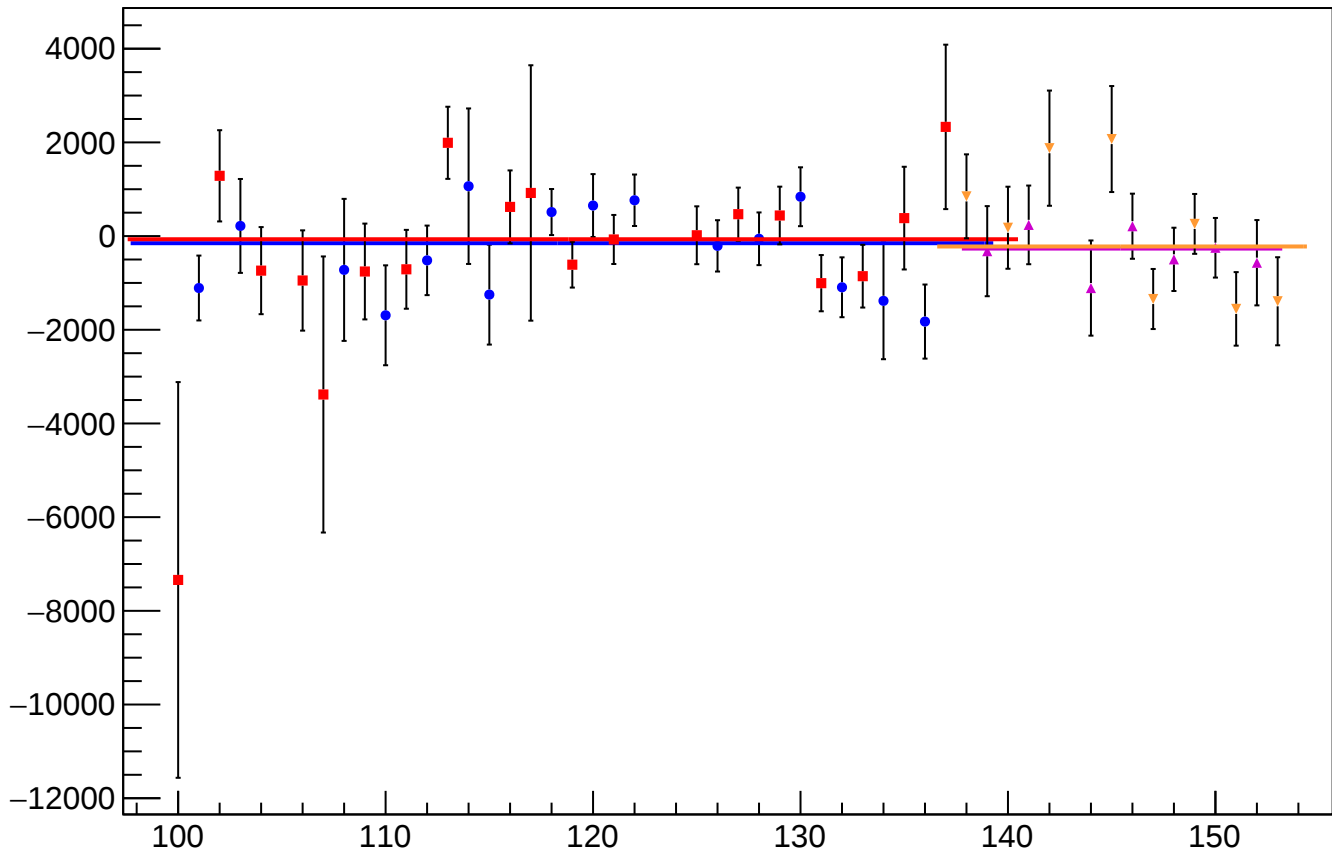
Right Out: 562.253+/-0.150 χ^2/NDF : 55916.7/18

Left In: 569.020+/-0.168 χ^2/NDF : 5330.4/6

562.881+/-0.112 χ^2/NDF : 27638.2/23

565.259+/-0.112 χ^2/NDF : 62151.0/25

asym_left_avg_correction_mean vs Slug



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

Left Out: -221.922 ± 293.300 χ^2/NDF : 16.7/7

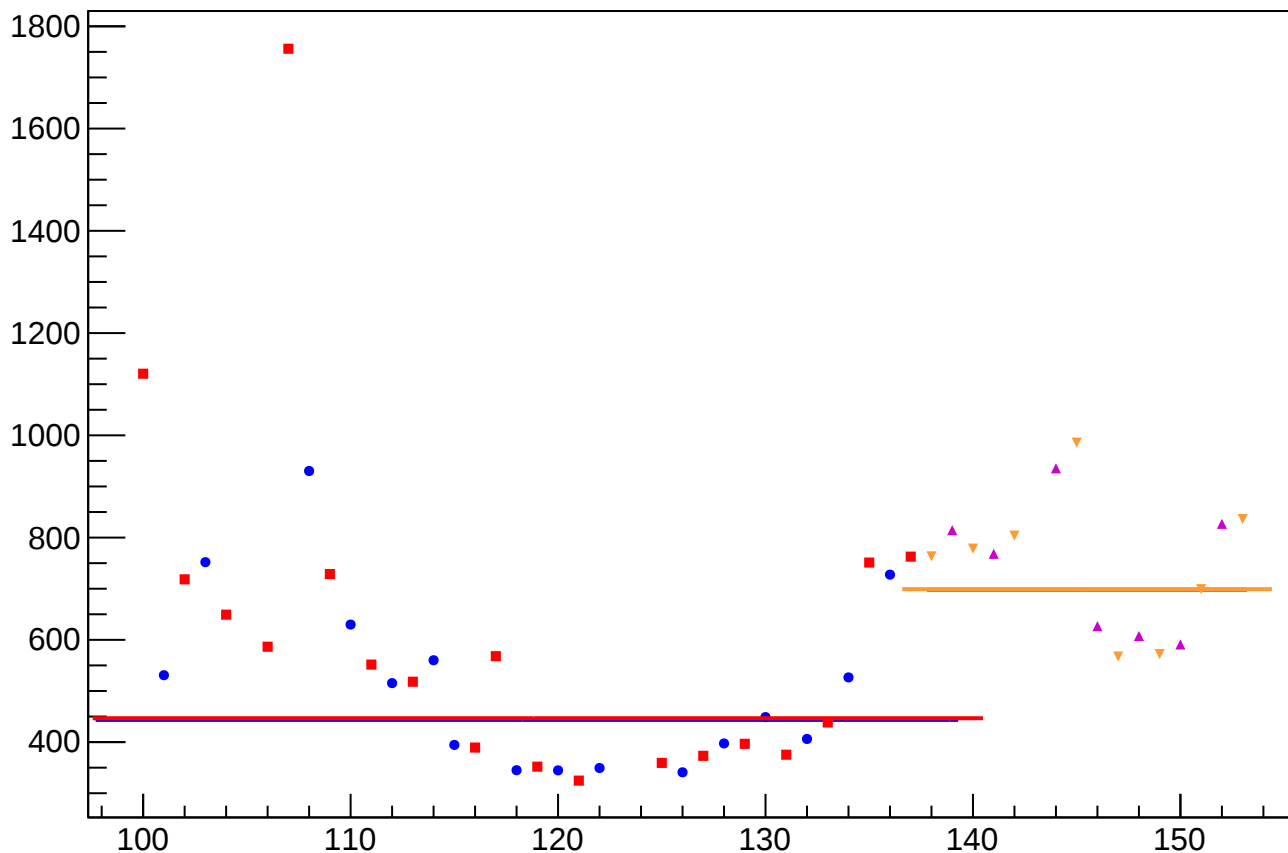
Right Out: -67.516 ± 178.283 χ^2/NDF : 25.1/18

Left In: -266.477 ± 296.120 χ^2/NDF : 1.8/6

-171.052 ± 153.462 χ^2/NDF : 39.1/23

-120.448 ± 152.737 χ^2/NDF : 27.2/25

asym_left_avg_correction_rms vs Slug



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

Left Out: 699.178+/-0.207 χ^2/NDF : 375405.0/7

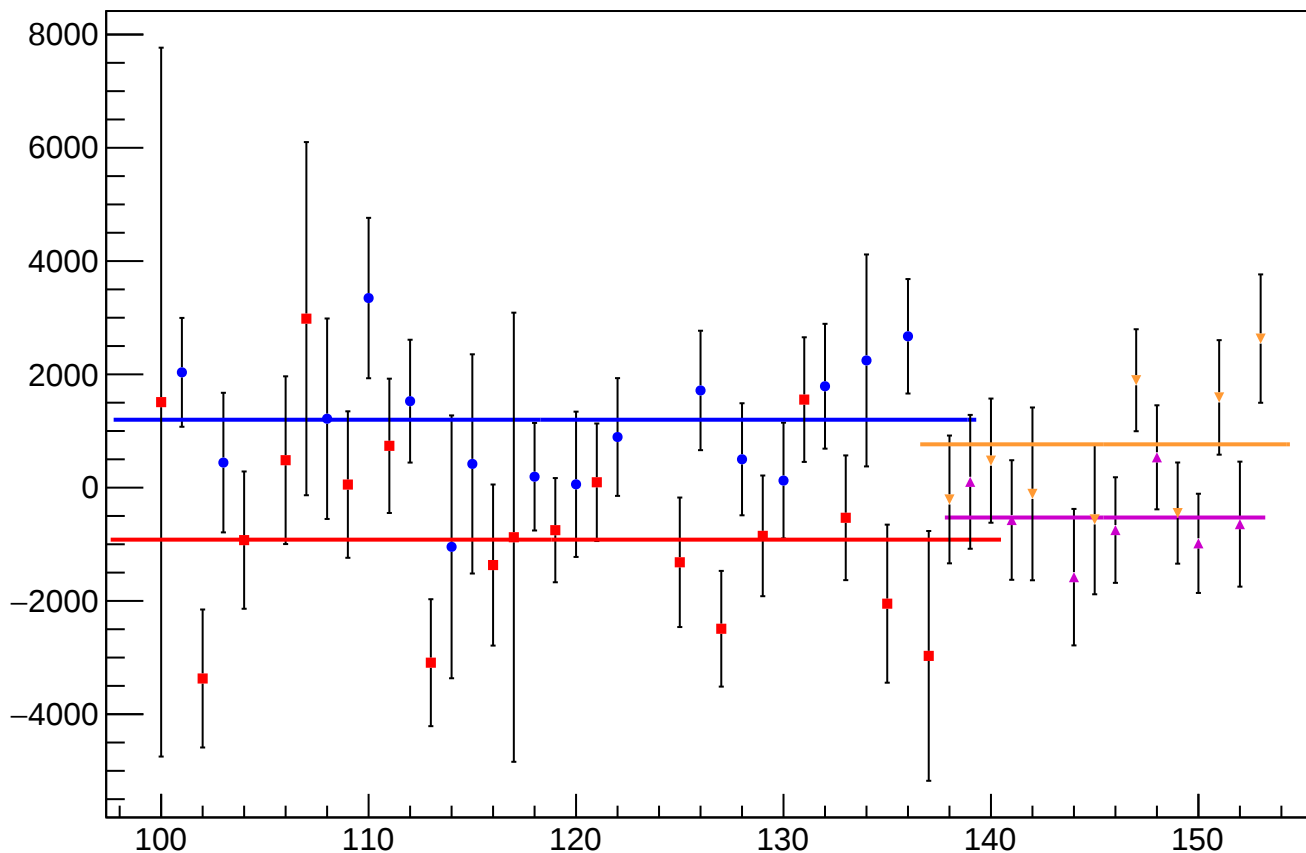
Right Out: 446.668+/-0.126 χ^2/NDF : 1463968.9/18

Left In: 698.137+/-0.209 χ^2/NDF : 306106.1/6

513.460+/-0.109 χ^2/NDF : 2540521.1/23

513.570+/-0.108 χ^2/NDF : 2828677.2/25

asym_left_avg_mean vs Slug



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

Left Out: 764.816 ± 381.692 χ^2/NDF : 9.0/7

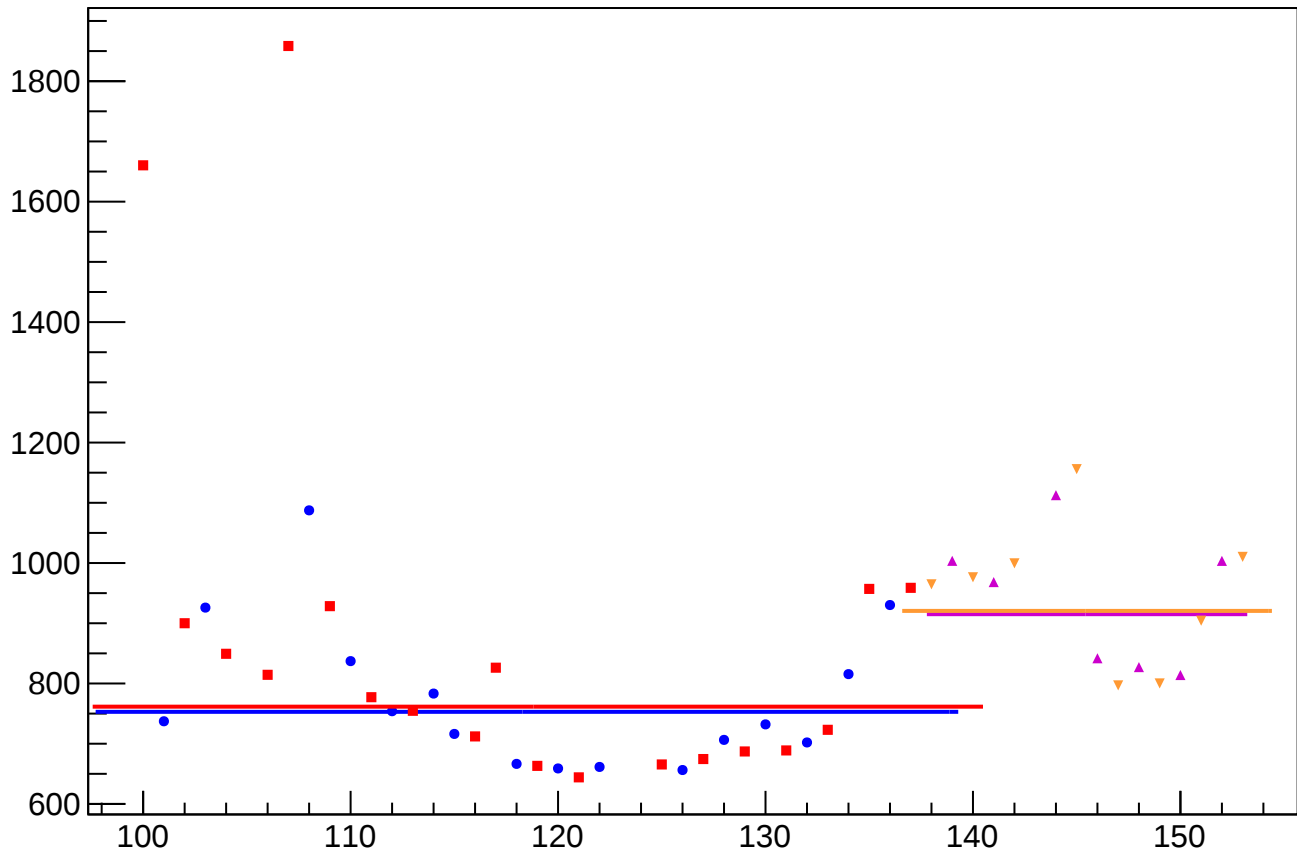
Right Out: -918.180 ± 292.495 χ^2/NDF : 23.2/18

Left In: -527.383 ± 384.516 χ^2/NDF : 2.7/6

1036.449 ± 233.533 χ^2/NDF : 21.0/23

-774.936 ± 232.797 χ^2/NDF : 26.6/25

asym_left_avg_rms vs Slug



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

Left Out: 920.513+/-0.270 χ^2/NDF : 164084.4/7

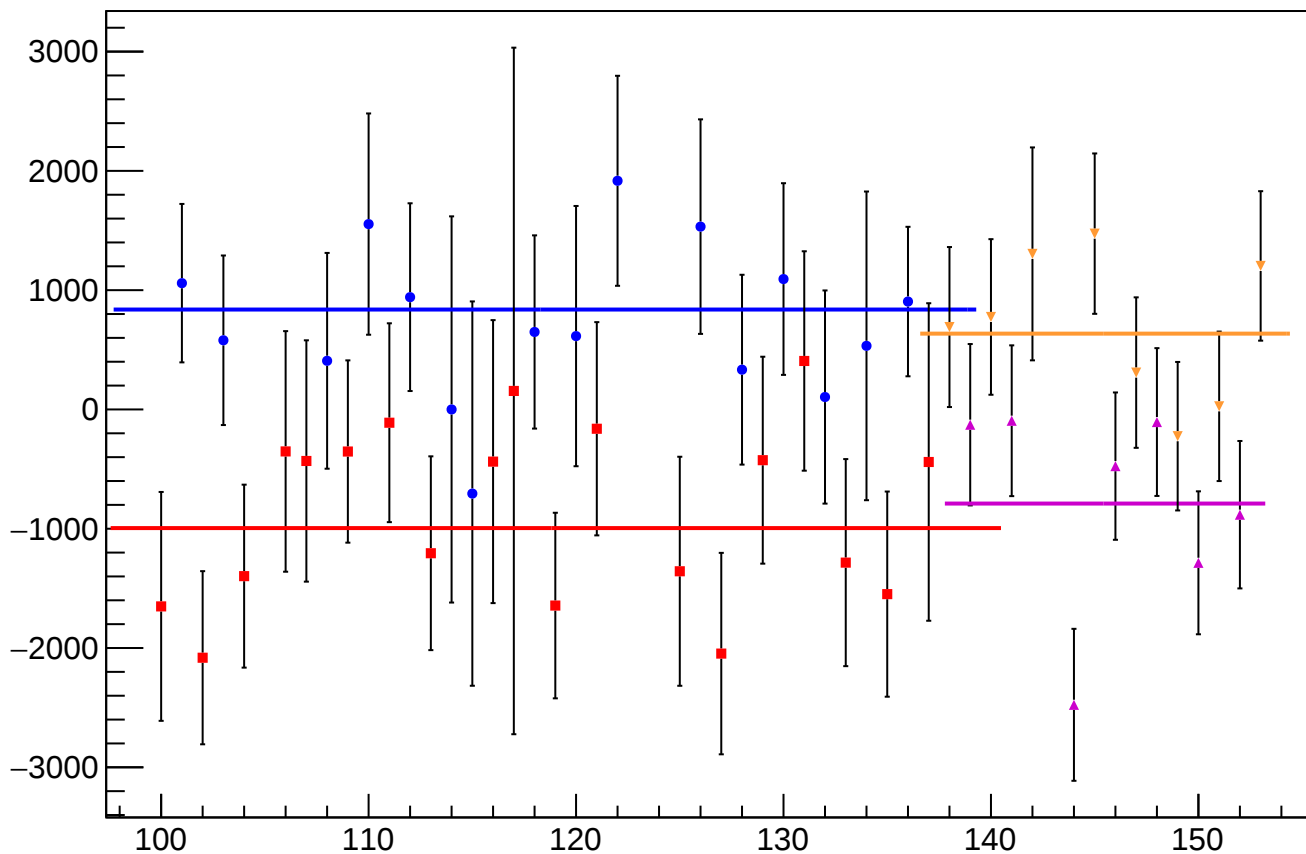
Right Out: 761.514+/-0.207 χ^2/NDF : 517672.2/18

Left In: 915.072+/-0.272 χ^2/NDF : 140261.4/6

815.668+/-0.165 χ^2/NDF : 657802.5/23

817.800+/-0.165 χ^2/NDF : 859985.6/25

reg_asym_left_dd_mean vs Slug



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

Left Out: 635.563 ± 234.204 $\chi^2/\text{NDF}: 6.1/7$

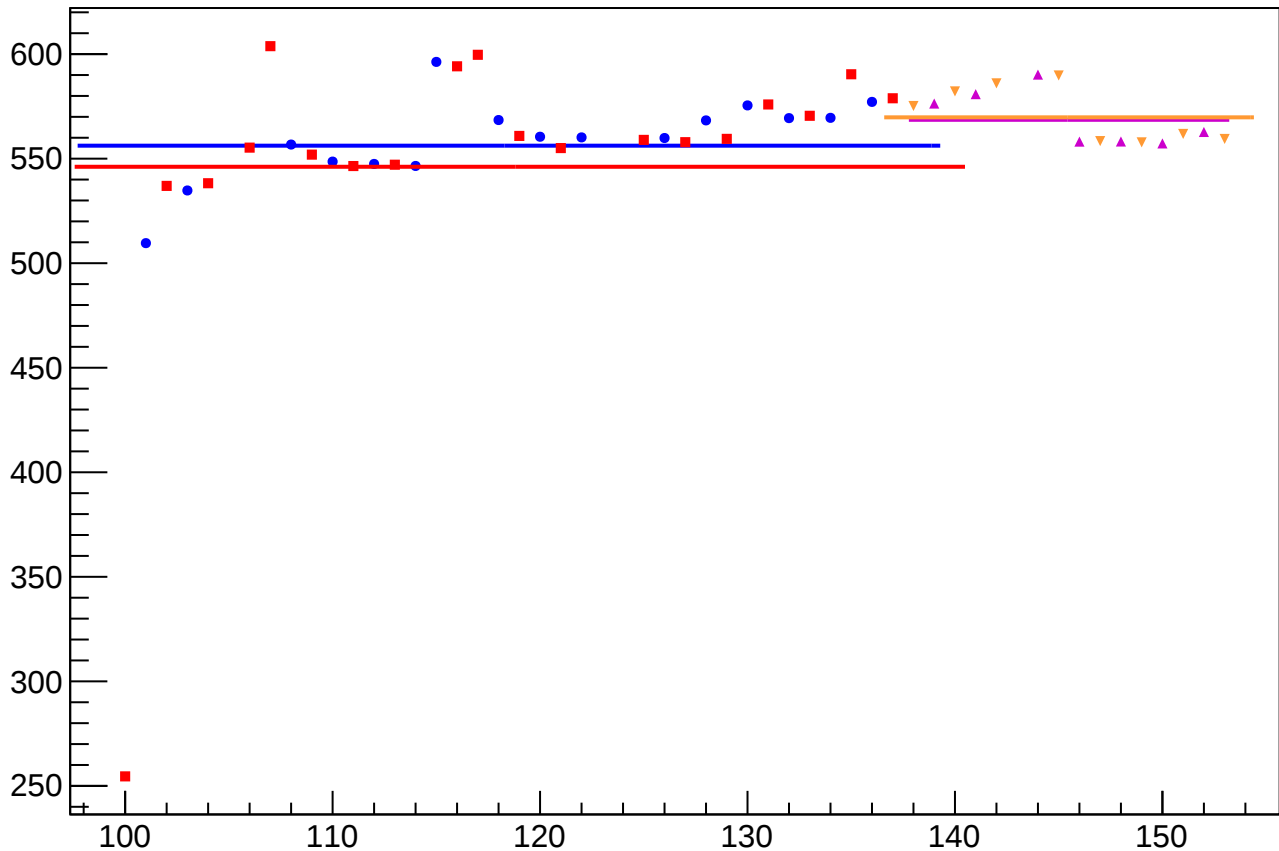
Right Out: -994.626 ± 207.208 $\chi^2/\text{NDF}: 12.7/18$

Left In: -788.991 ± 237.128 $\chi^2/\text{NDF}: 11.4/6$

744.707 ± 158.787 $\chi^2/\text{NDF}: 12.2/23$

-905.593 ± 156.031 $\chi^2/\text{NDF}: 24.5/25$

reg_asym_left_dd_rms vs Slug



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

Left Out: 569.762 $\pm$ 0.166 χ^2 /NDF: 5547.6/7

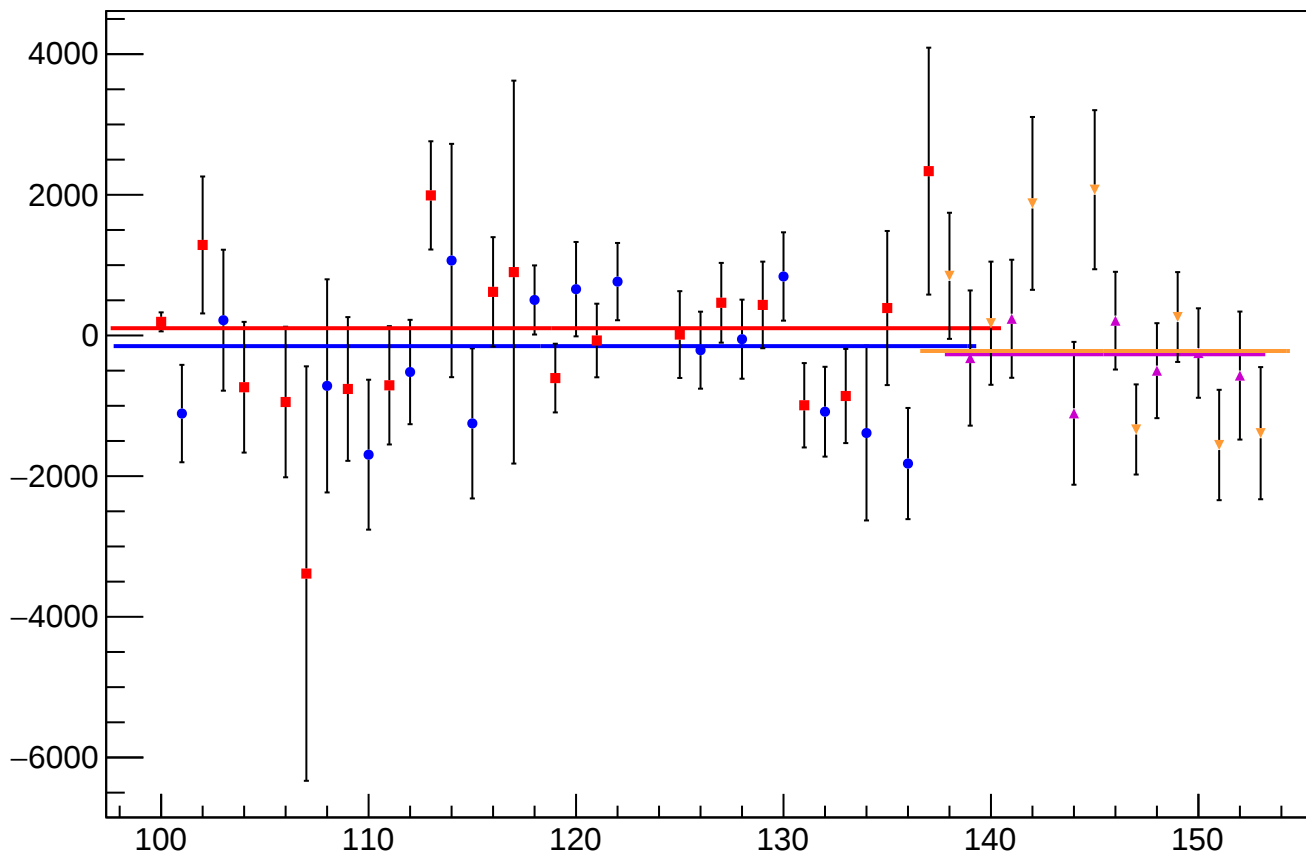
Right Out: 546.124 $\pm$ 0.147 χ^2 /NDF: 208336.6/18

Left In: 568.583 $\pm$ 0.168 χ^2 /NDF: 5342.4/6

562.440 $\pm$ 0.112 χ^2 /NDF: 27583.4/23

555.848 $\pm$ 0.110 χ^2 /NDF: 223852.3/25

asym_left_dd_correction_mean vs Slug



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

Left Out: -220.682+/-293.159 χ^2/NDF : 16.7/7

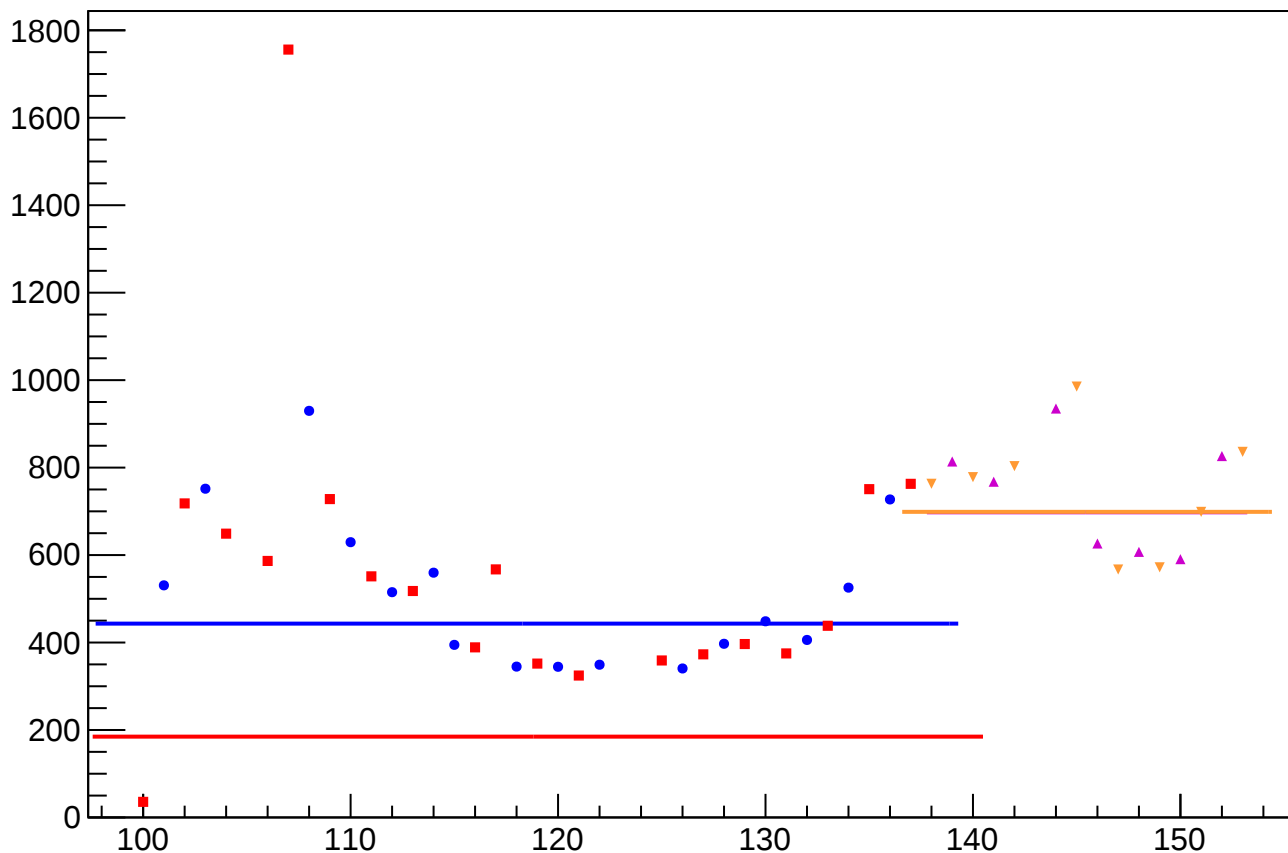
Right Out: 103.328+/-107.623 χ^2/NDF : 23.3/18

Left In: -267.243+/-295.956 χ^2/NDF : 1.8/6

-170.409+/-153.387 χ^2/NDF : 39.0/23

60.048+/-101.143 χ^2/NDF : 26.5/25

asym_left_dd_correction_rms vs Slug



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

Left Out: 698.837 $\pm$ 0.207 χ^2 /NDF: 375654.8/7

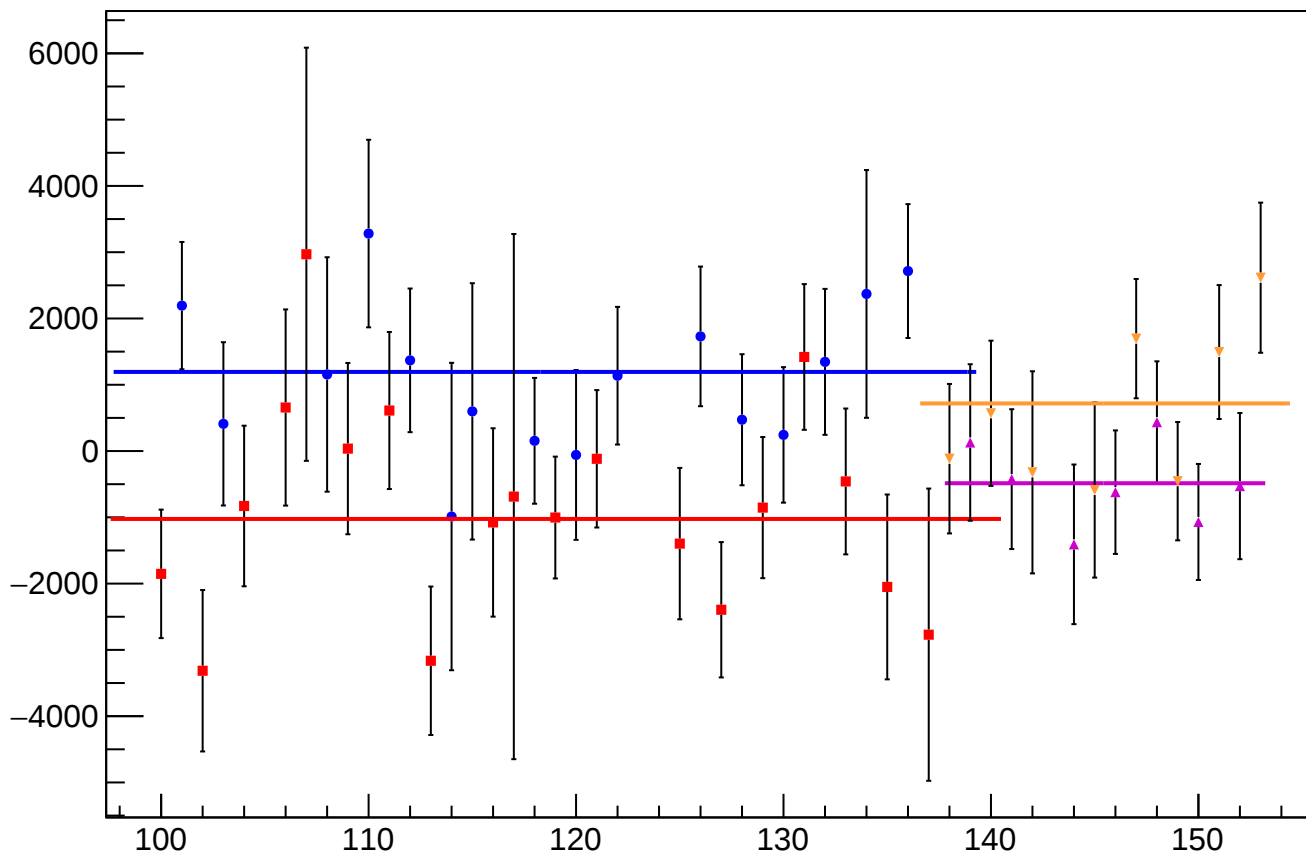
Right Out: 184.814 $\pm$ 0.076 χ^2 /NDF: 8119311.6/18

Left In: 697.748 $\pm$ 0.209 χ^2 /NDF: 306004.5/6

513.213 $\pm$ 0.108 χ^2 /NDF: 2540551.8/23

244.721 $\pm$ 0.072 χ^2 /NDF: 13731259.5/25

asym_left_dd_mean vs Slug



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

Left Out: 718.233 $\pm$ 381.473 χ^2 /NDF:8.3/7

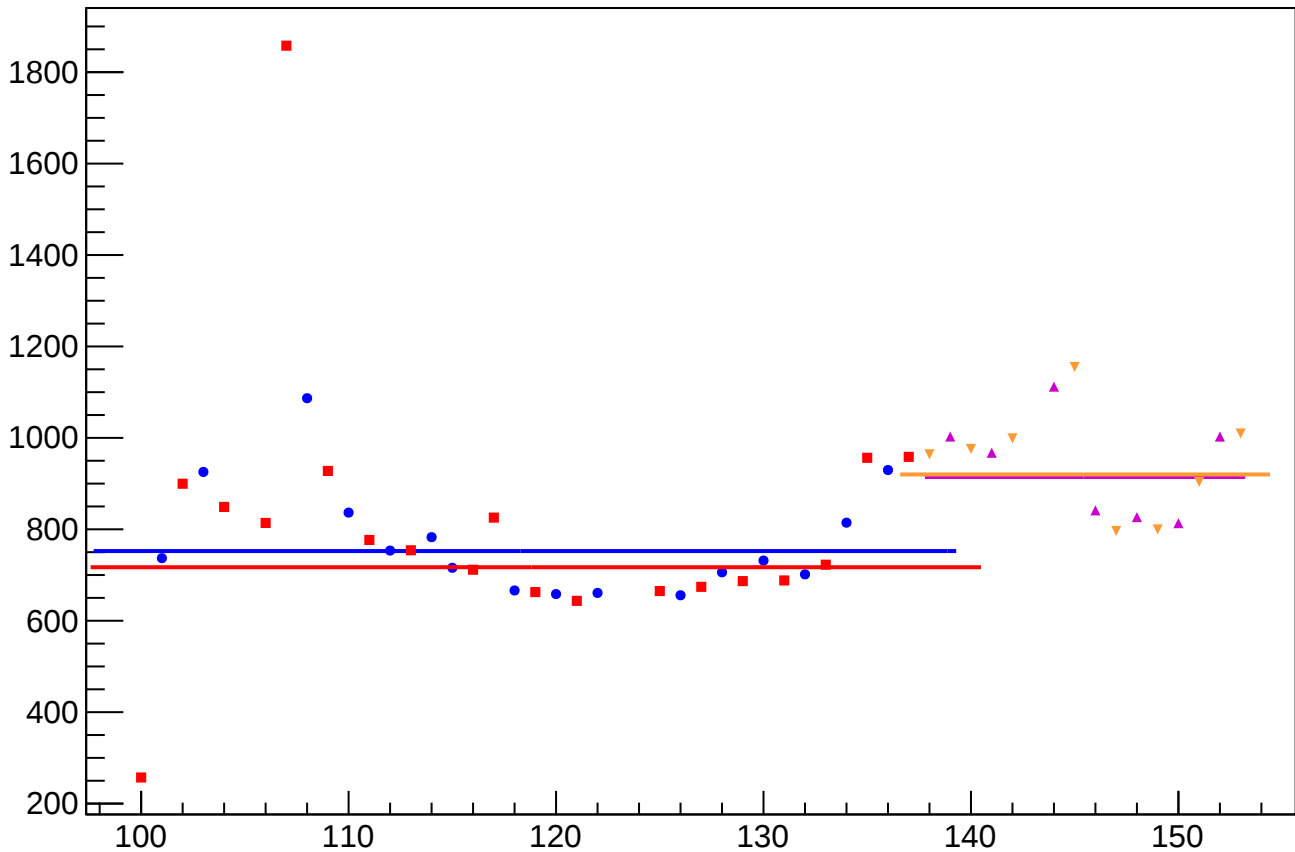
Right Out: -1024.435 $\pm$ 280.119 χ^2 /NDF: 22.5/18

Left In: -485.577 $\pm$ 384.267 χ^2 /NDF:2.3/6

1015.827 $\pm$ 233.385 χ^2 /NDF: 20.5/23

-837.450 $\pm$ 226.360 χ^2 /NDF: 26.2/25

asym_left_dd_rms vs Slug



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

Left Out: 919.990+/-0.270 χ^2/NDF : 164014.9/7

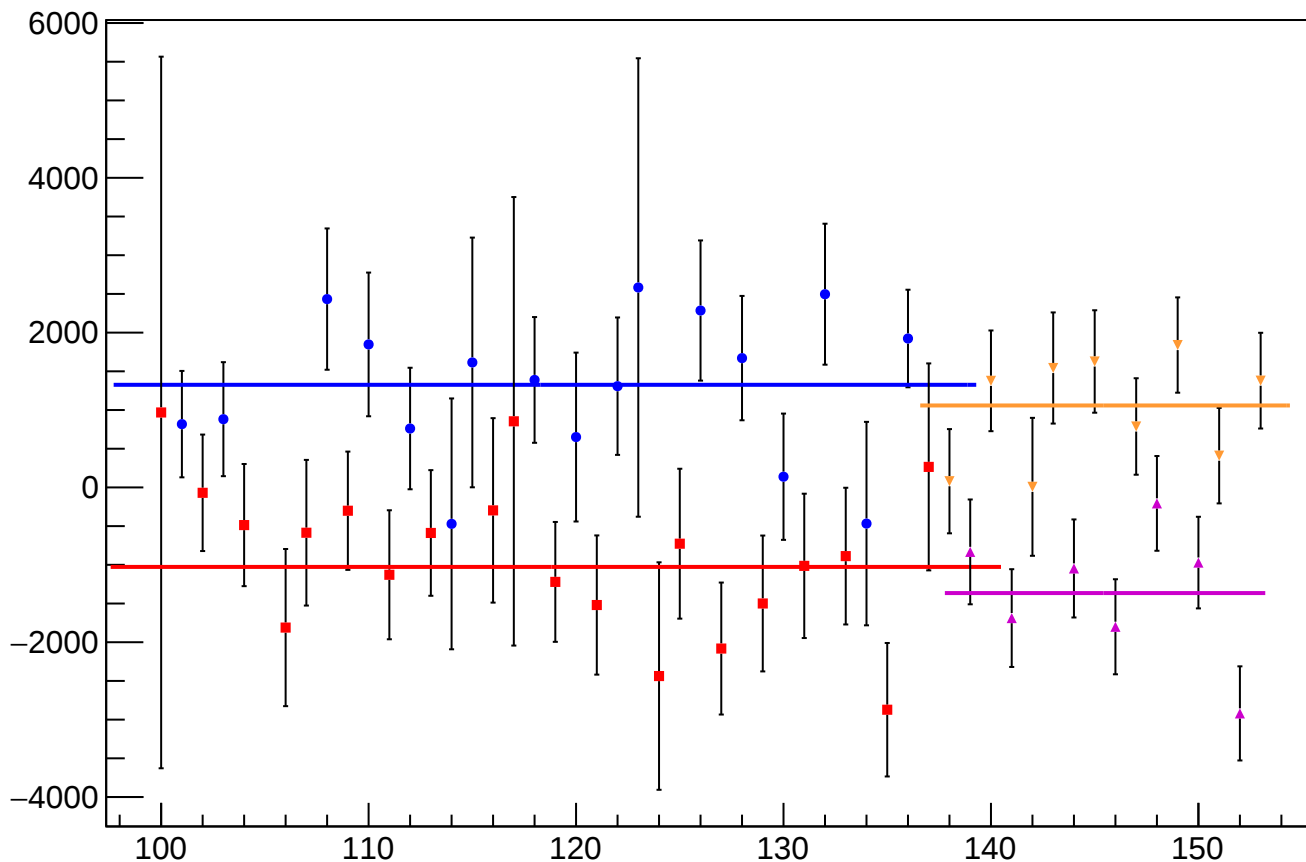
Right Out: 717.067+/-0.198 χ^2/NDF : 968442.7/18

Left In: 914.477+/-0.272 χ^2/NDF : 140260.1/6

815.146+/-0.165 χ^2/NDF : 658164.5/23

785.569+/-0.160 χ^2/NDF : 1453378.9/25

reg_asym_right_avg_mean vs Slug



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

Left Out: 1058.857 $\pm$ 220.831 χ^2 /NDF: 8.1/8

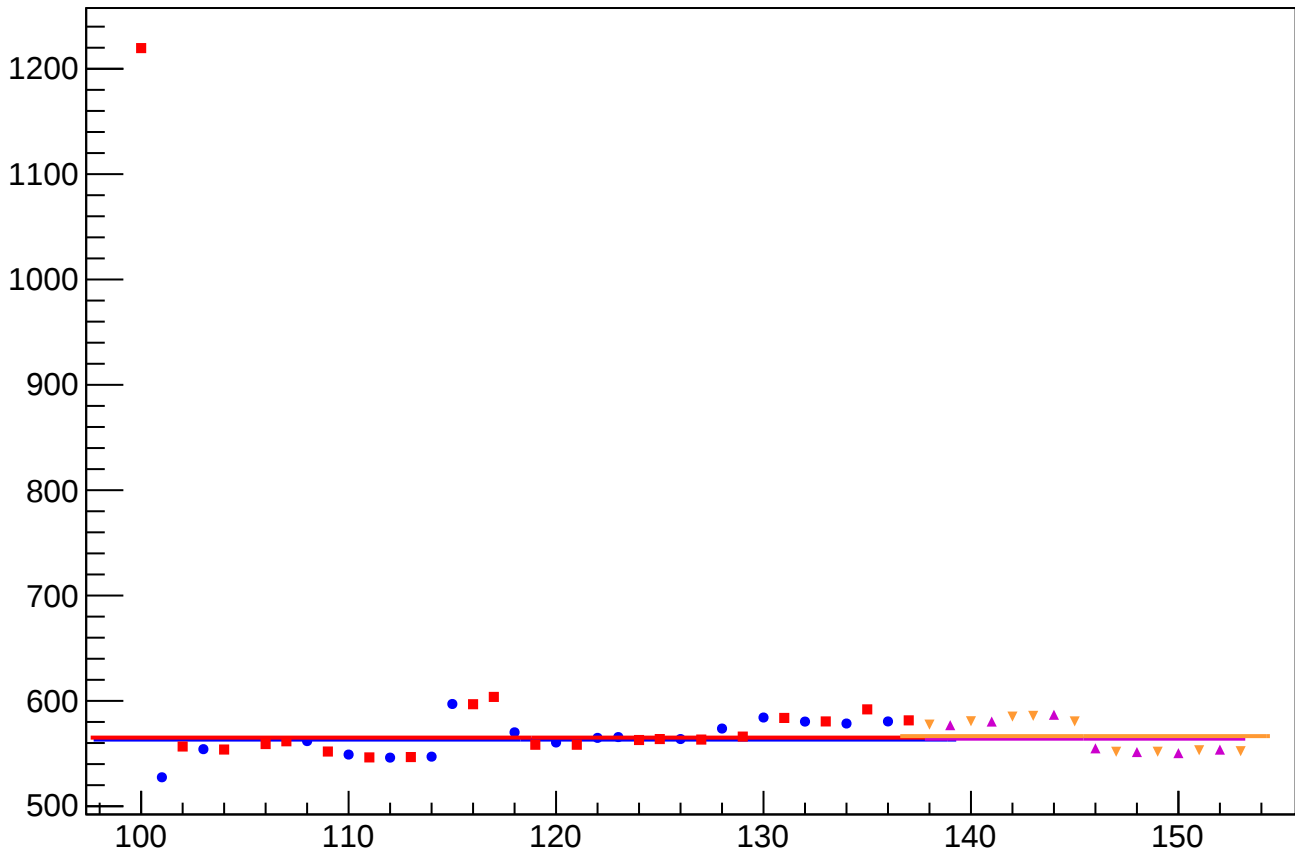
Right Out: -1026.996 $\pm$ 211.021 χ^2 /NDF: 13.8/19

Left In: -1364.893 $\pm$ 235.294 χ^2 /NDF: 12.2/6

1193.973 $\pm$ 155.179 χ^2 /NDF: 21.7/25

-1177.622 $\pm$ 157.097 χ^2 /NDF: 27.2/26

reg_asym_right_avg_rms vs Slug



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

Left Out: 566.552+/-0.156 χ^2/NDF : 8967.7/8

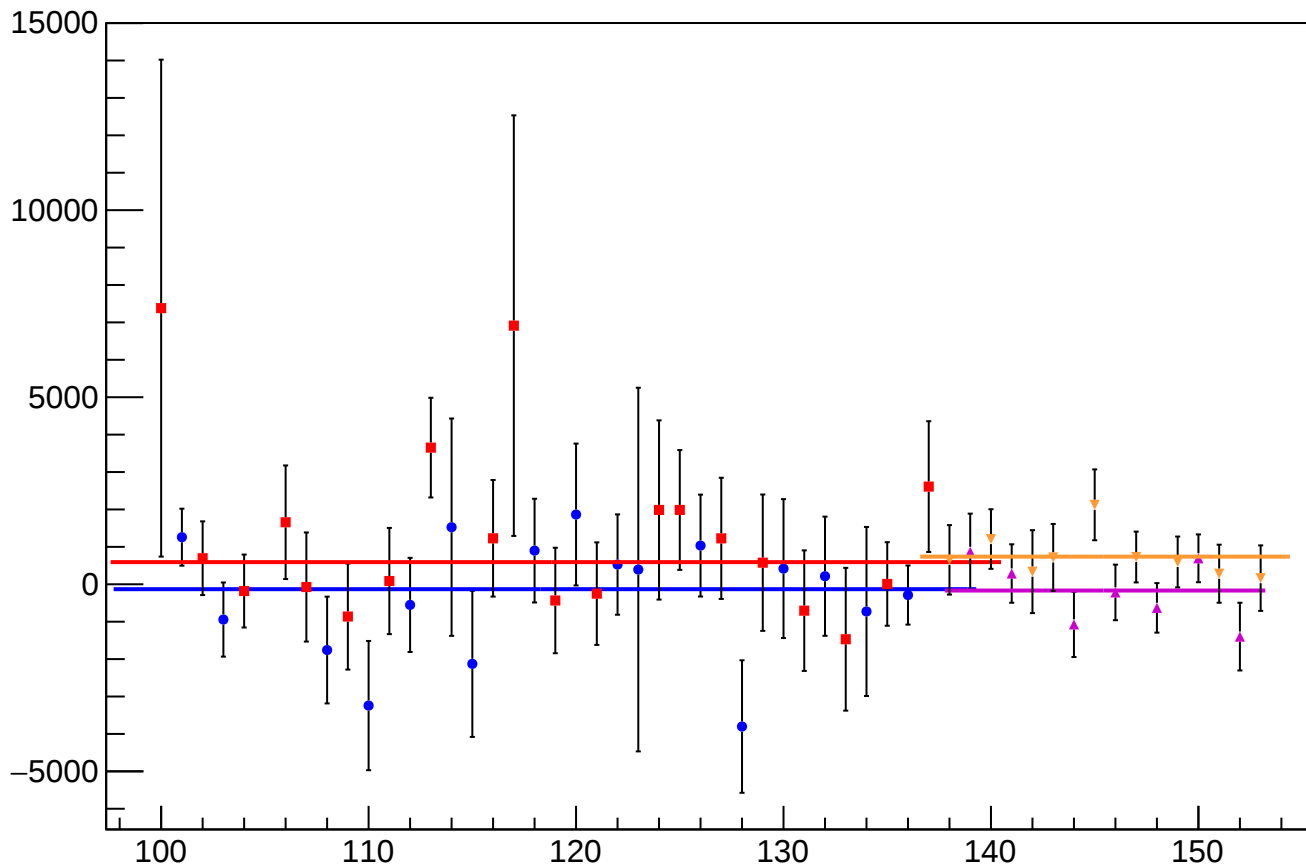
Right Out: 565.150+/-0.149 χ^2/NDF : 49653.1/19

Left In: 564.131+/-0.166 χ^2/NDF : 7575.4/6

564.888+/-0.110 χ^2/NDF : 21712.2/25

564.696+/-0.111 χ^2/NDF : 57249.3/26

asym_right_avg_correction_mean vs Slug



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

Left Out: 738.414+/-275.032 χ^2/NDF : 3.4/8

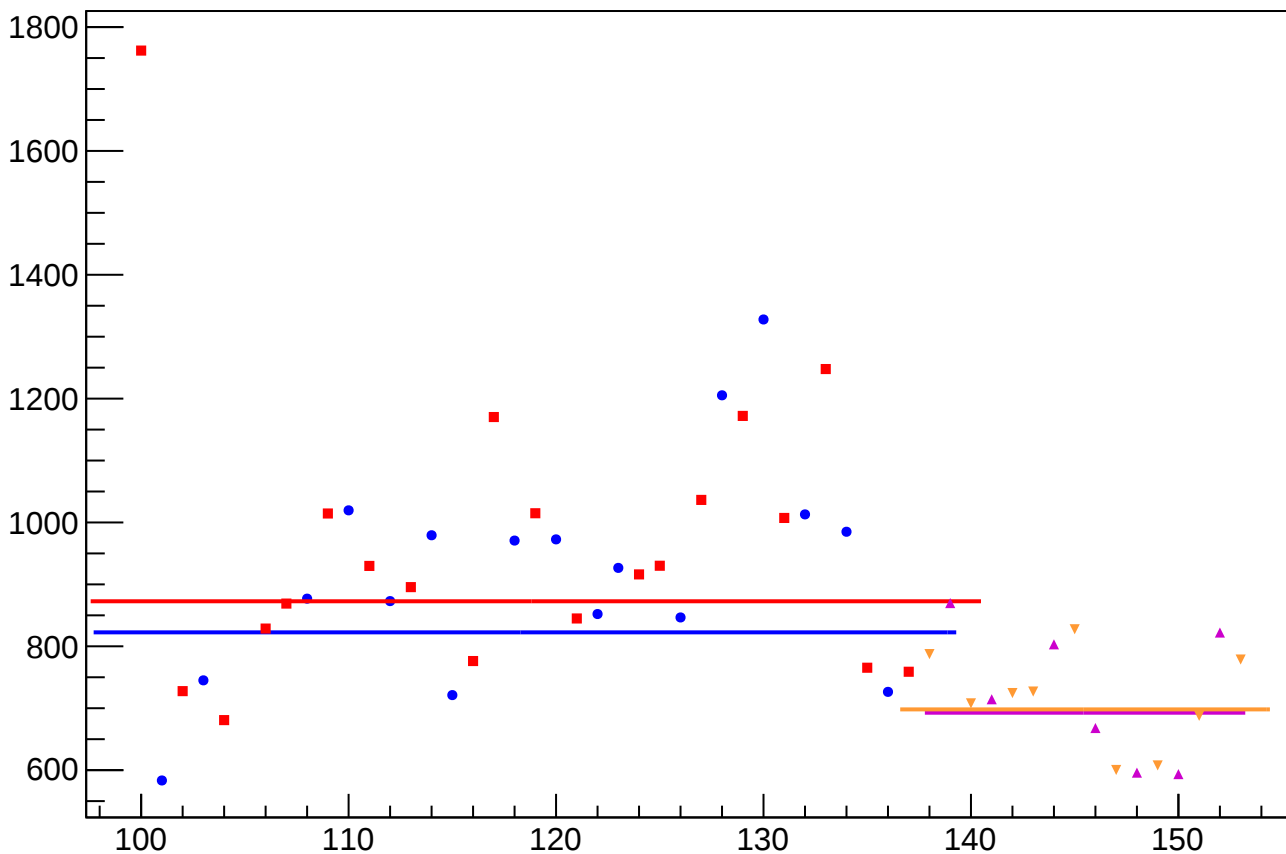
Right Out: 591.948+/-331.825 χ^2/NDF : 15.9/19

Left In: -167.124+/-292.679 χ^2/NDF : 6.6/6

378.917+/-210.638 χ^2/NDF : 24.8/25

165.017+/-219.497 χ^2/NDF : 25.4/26

asym_right_avg_correction_rms vs Slug



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

Left Out: 698.116+/-0.194 χ^2/NDF :153718.2/8

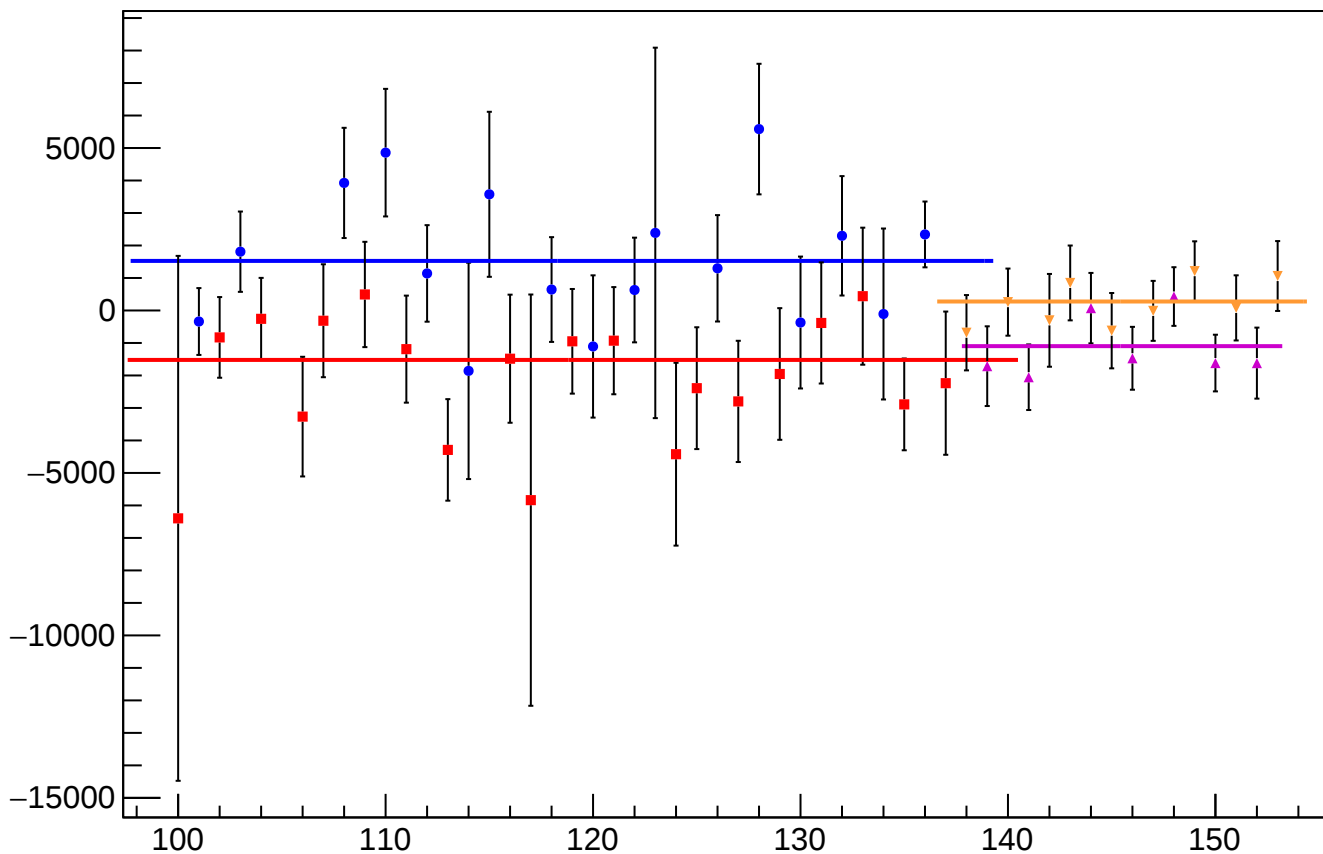
Right Out: 872.719+/-0.235 χ^2/NDF : 412481.2/19

Left In: 692.770+/-0.207 χ^2/NDF :227659.6/6

749.553+/-0.149 χ^2/NDF : 923874.0/25

771.509+/-0.155 χ^2/NDF : 970958.9/26

asym_right_avg_mean vs Slug



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

Left Out: 276.181 $\pm$ 355.940 χ^2 /NDF: 3.4/8

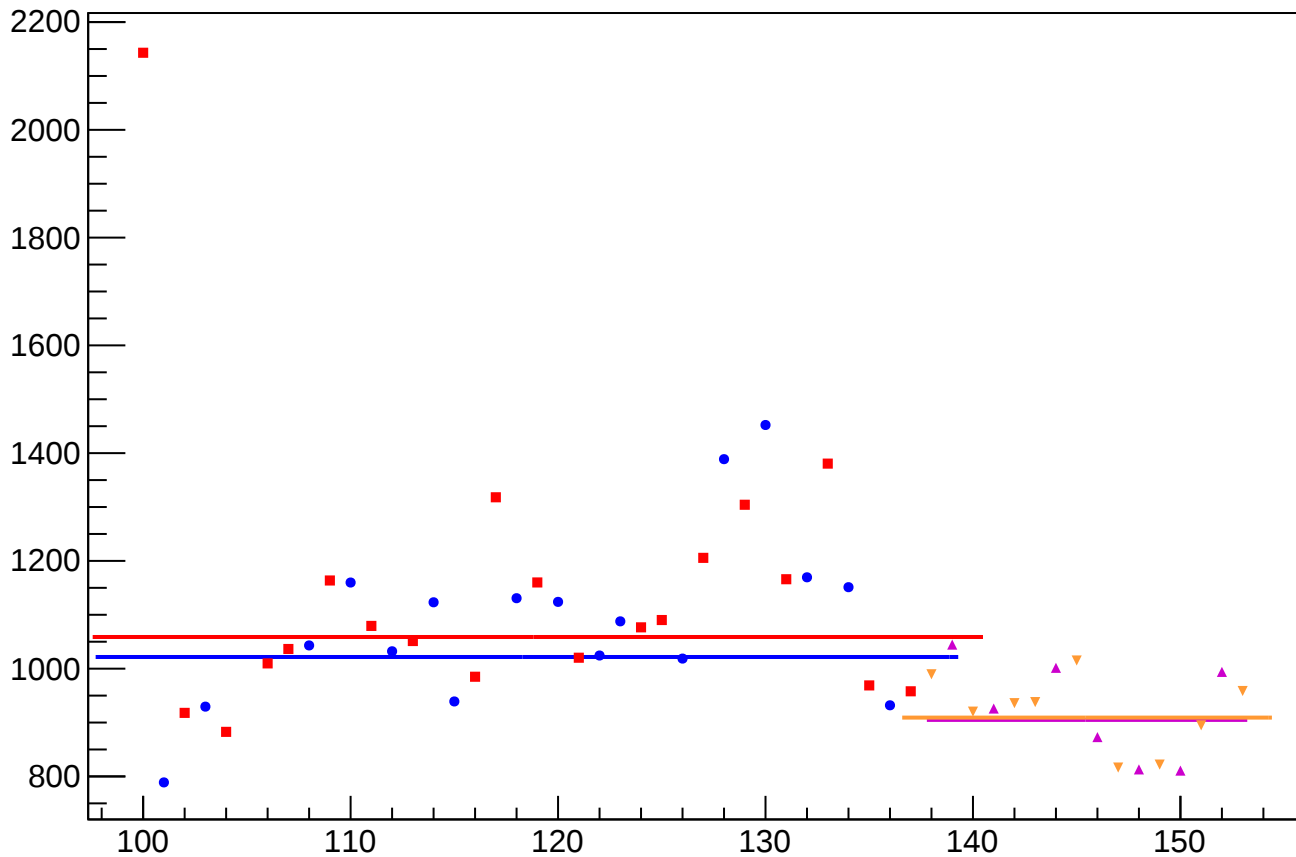
Right Out: -1521.641 $\pm$ 399.157 χ^2 /NDF: 12.6/19

Left In: -1097.566 $\pm$ 379.462 χ^2 /NDF: 5.9/6

825.518 $\pm$ 266.428 χ^2 /NDF: 27.1/25

-1298.884 $\pm$ 275.019 χ^2 /NDF: 19.1/26

asym_right_avg_rms vs Slug



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

Left Out: 909.170+/-0.252 χ^2/NDF : 71396.0/8

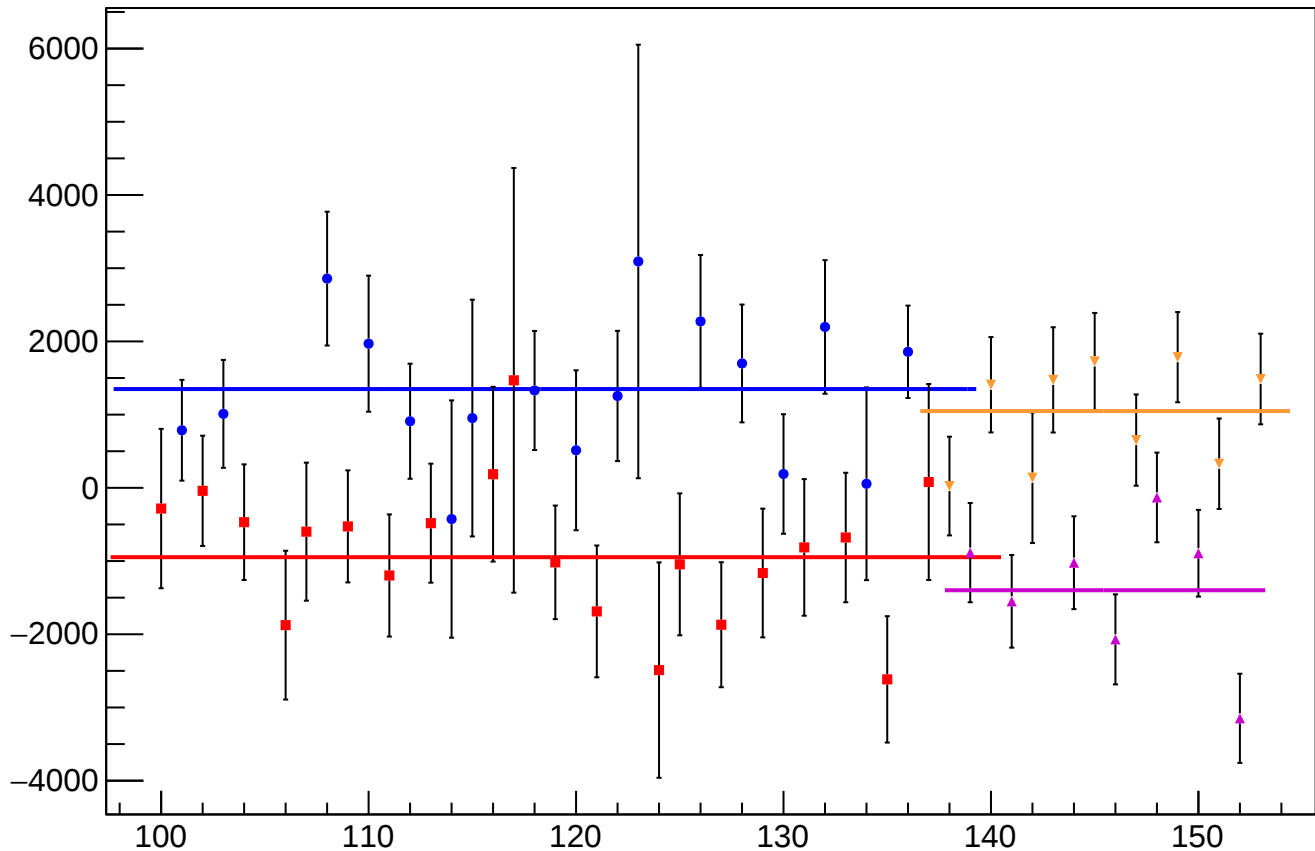
958.636+/-0.188 χ^2/NDF : 491189.6/25

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

977.954+/-0.194 χ^2/NDF : 492669.1/26

Left In: 904.904+/-0.268 χ^2/NDF : 102222.9/6

reg_asym_right_dd_mean vs Slug



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

Left Out: 1048.478 $\pm$ 221.043 χ^2 /NDF: 8.7/8

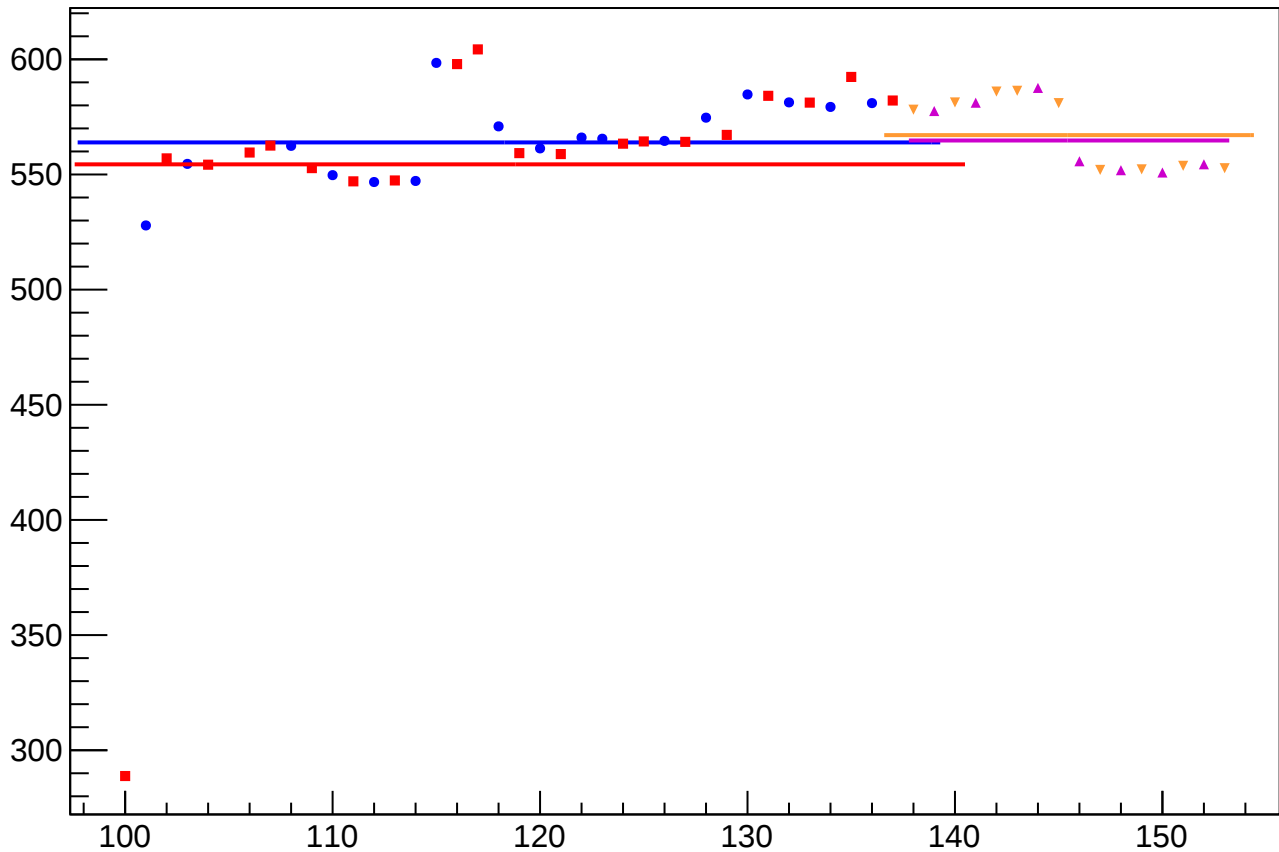
Right Out: -947.051 $\pm$ 207.609 χ^2 /NDF: 12.9/19

Left In: -1398.659 $\pm$ 235.557 χ^2 /NDF: 15.4/6

1200.652 $\pm$ 155.344 χ^2 /NDF: 22.0/25

-1144.487 $\pm$ 155.750 χ^2 /NDF: 30.5/26

reg_asym_right_dd_rms vs Slug



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

Left Out: 567.093 $\pm$ 0.156 χ^2 /NDF: 9045.7/8

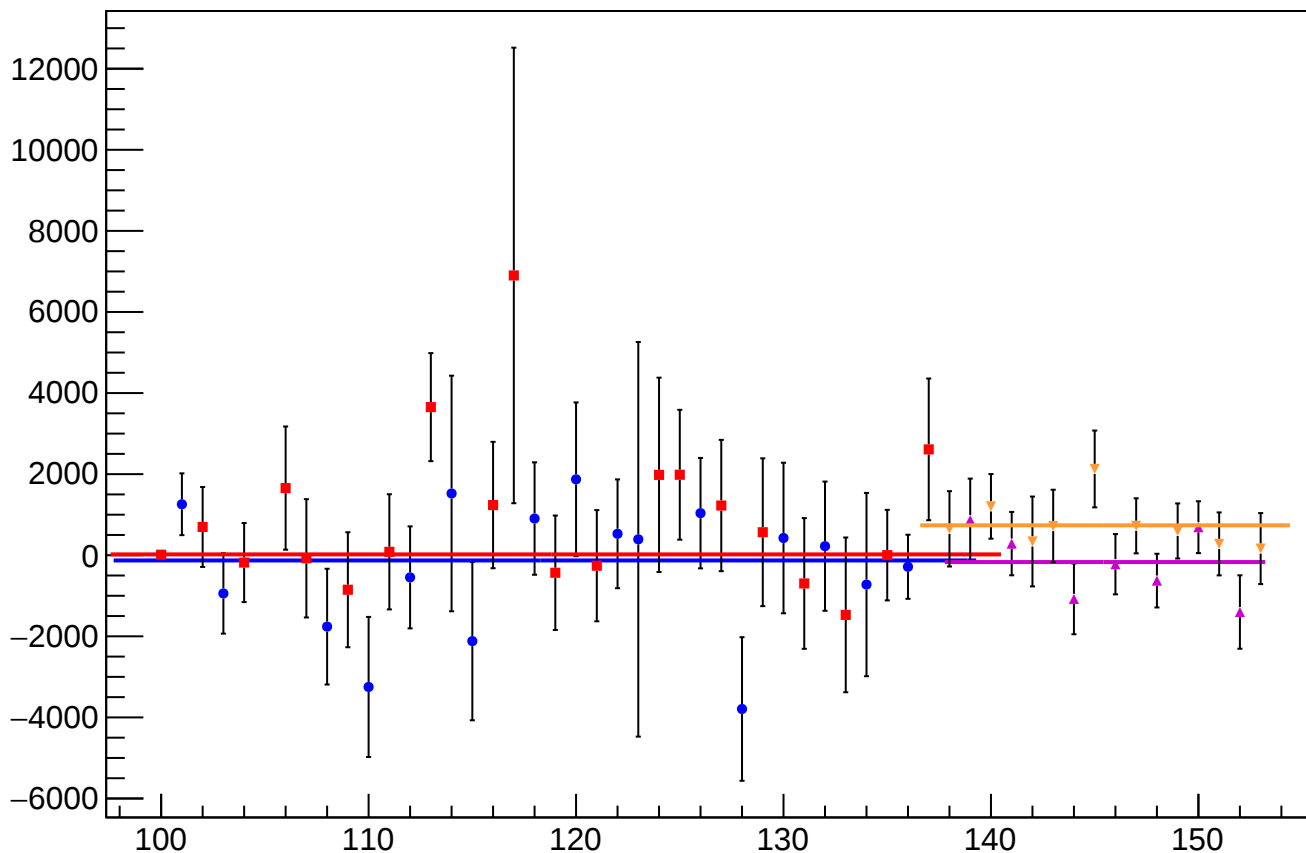
Right Out: 554.402 $\pm$ 0.147 χ^2 /NDF: 132560.6/19

Left In: 564.758 $\pm$ 0.167 χ^2 /NDF: 7647.4/6

565.488 $\pm$ 0.110 χ^2 /NDF: 21917.0/25

558.929 $\pm$ 0.110 χ^2 /NDF: 142383.7/26

asym_right_dd_correction_mean vs Slug



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

Left Out: 737.900+/-275.132 χ^2 /NDF: 3.5/8

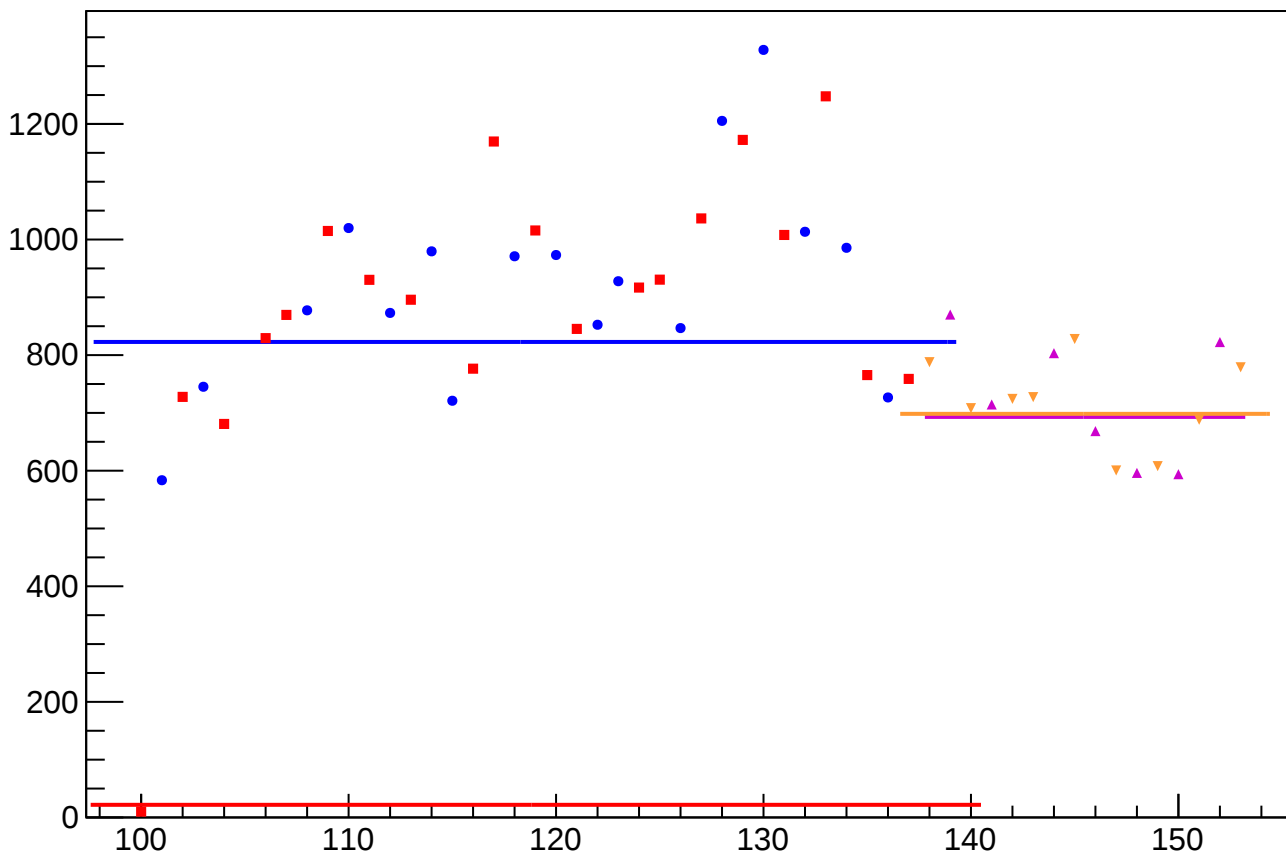
Right Out: 20.715+/-38.953 χ^2 /NDF: 17.6/19

Left In: -168.053+/-292.806 χ^2 /NDF: 6.6/6

379.572+/-210.710 χ^2 /NDF: 24.8/25

17.432+/-38.613 χ^2 /NDF: 24.6/26

asym_right_dd_correction_rms vs Slug



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

Left Out: 698.364 $\pm$ 0.195 χ^2 /NDF:153784.6/8

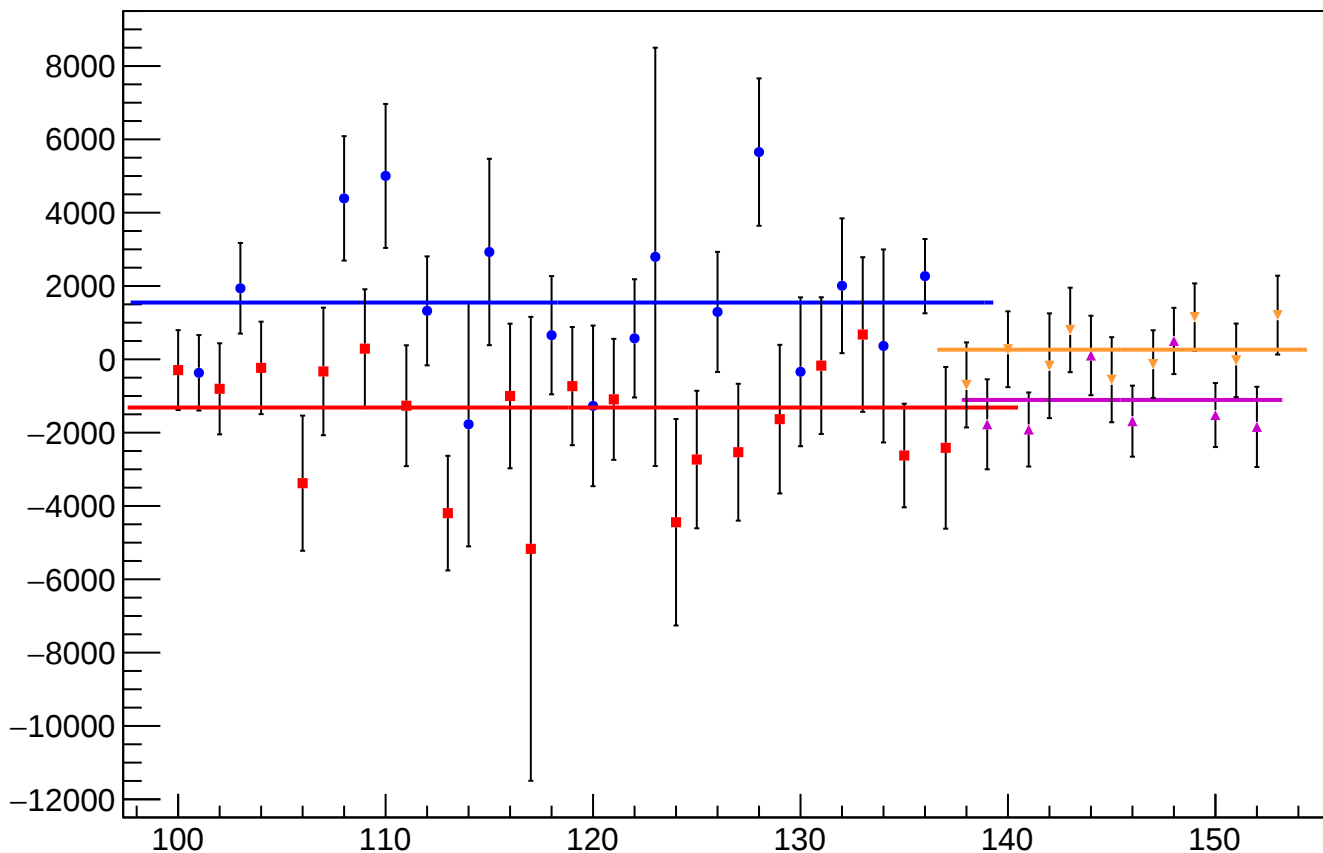
Right Out: 21.867 $\pm$ 0.028 χ^2 /NDF: 13607091.0/19

Left In: 693.078 $\pm$ 0.207 χ^2 /NDF:227425.6/6

749.807 $\pm$ 0.149 χ^2 /NDF: 923760.8/25

33.540 $\pm$ 0.027 χ^2 /NDF: 24161414.3/26

asym_right_dd_mean vs Slug



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

Left Out: 263.166 $\pm$ 356.151 χ^2 /NDF: 3.5/8

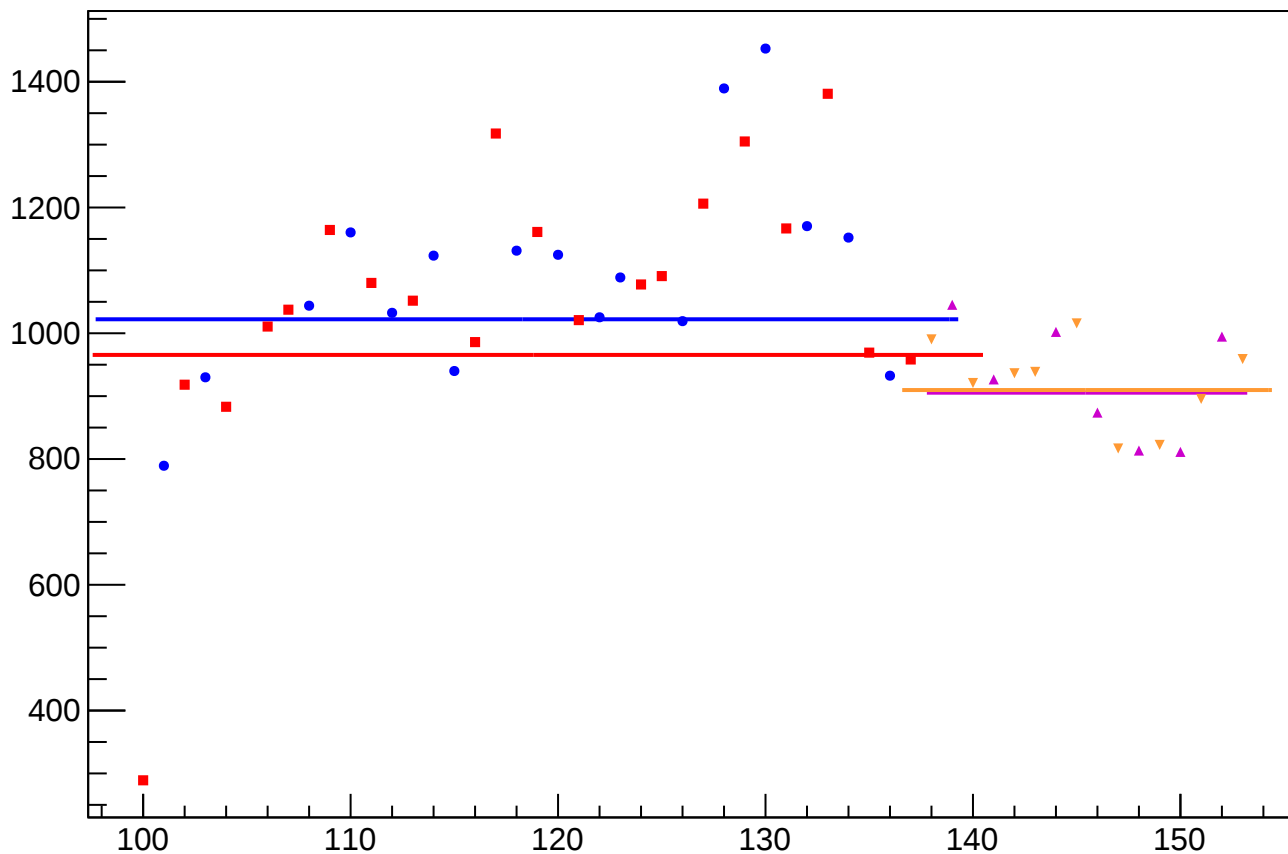
Right Out: -1314.562 $\pm$ 375.381 χ^2 /NDF: 12.9/19

Left In: -1107.613 $\pm$ 379.719 χ^2 /NDF: 6.4/6

828.537 $\pm$ 266.582 χ^2 /NDF: 28.2/25

-1212.277 $\pm$ 266.955 χ^2 /NDF: 19.4/26

asym_right_dd_rms vs Slug



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

Left Out: 909.703+/-0.252 χ^2/NDF : 71466.7/8

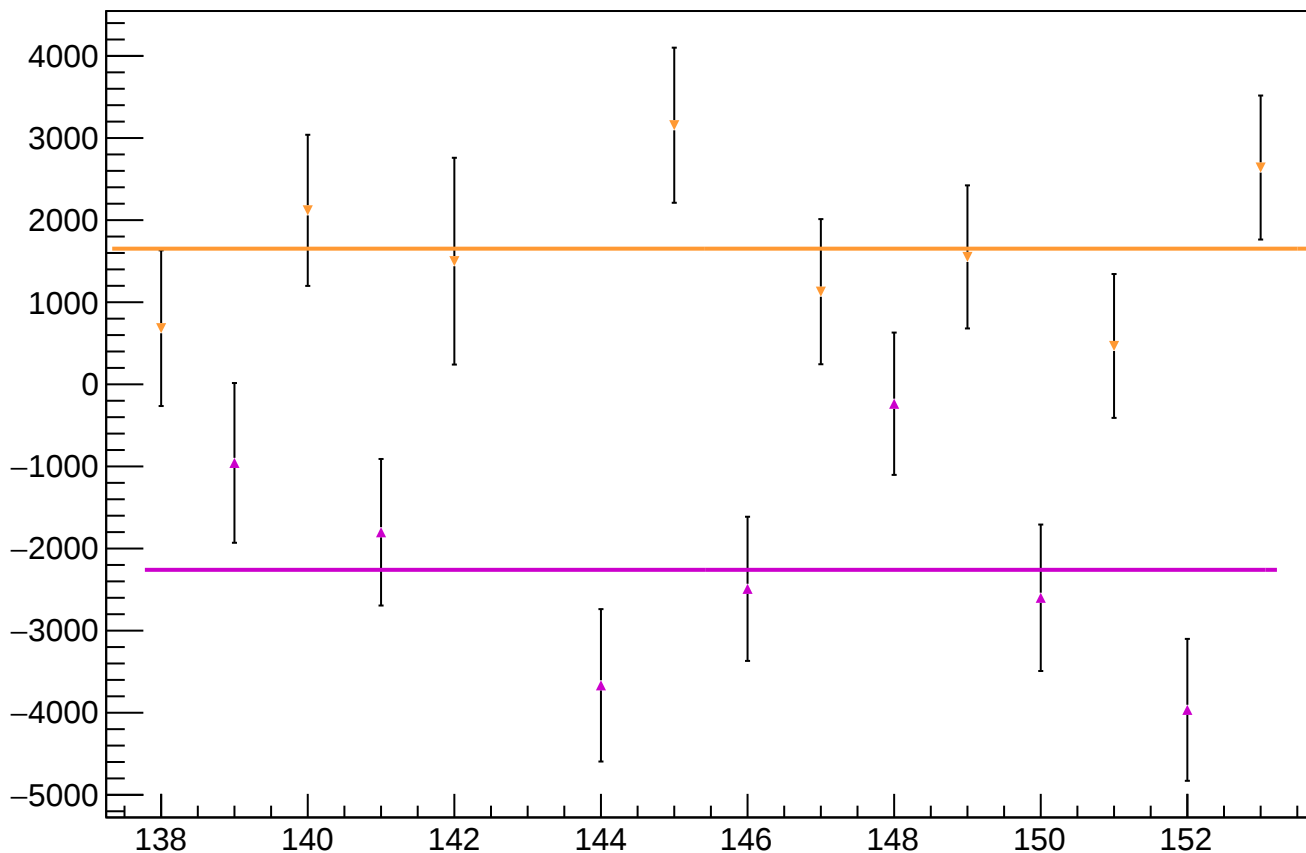
Right Out: 965.574+/-0.265 χ^2/NDF : 1073497.1/19

Left In: 905.520+/-0.269 χ^2/NDF : 102213.1/6

959.190+/-0.189 χ^2/NDF : 491144.5/25

935.892+/-0.189 χ^2/NDF : 1201009.9/26

cor_asym_us_avg_mean vs Slug



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

Left Out: 1652.487+/-328.905 χ^2/NDF : 7.3/7

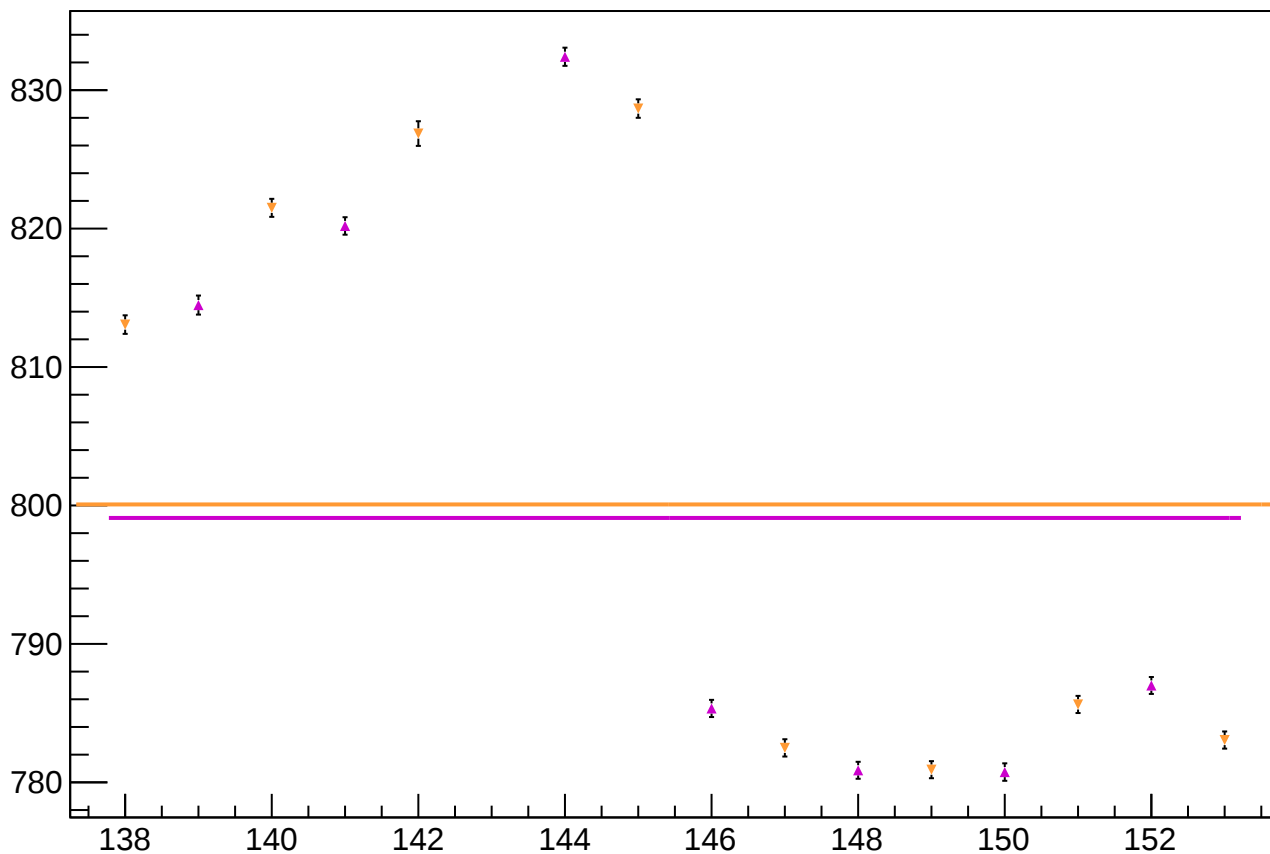
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -2259.363+/-339.084 χ^2/NDF : 13.9/6

1652.487+/-328.905 χ^2/NDF : 7.3/7

-2259.363+/-339.084 χ^2/NDF : 13.9/6

cor_asym_us_avg_rms vs Slug



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

Left Out: 800.074 $\pm$ 0.233 χ^2 /NDF: 7252.5/7

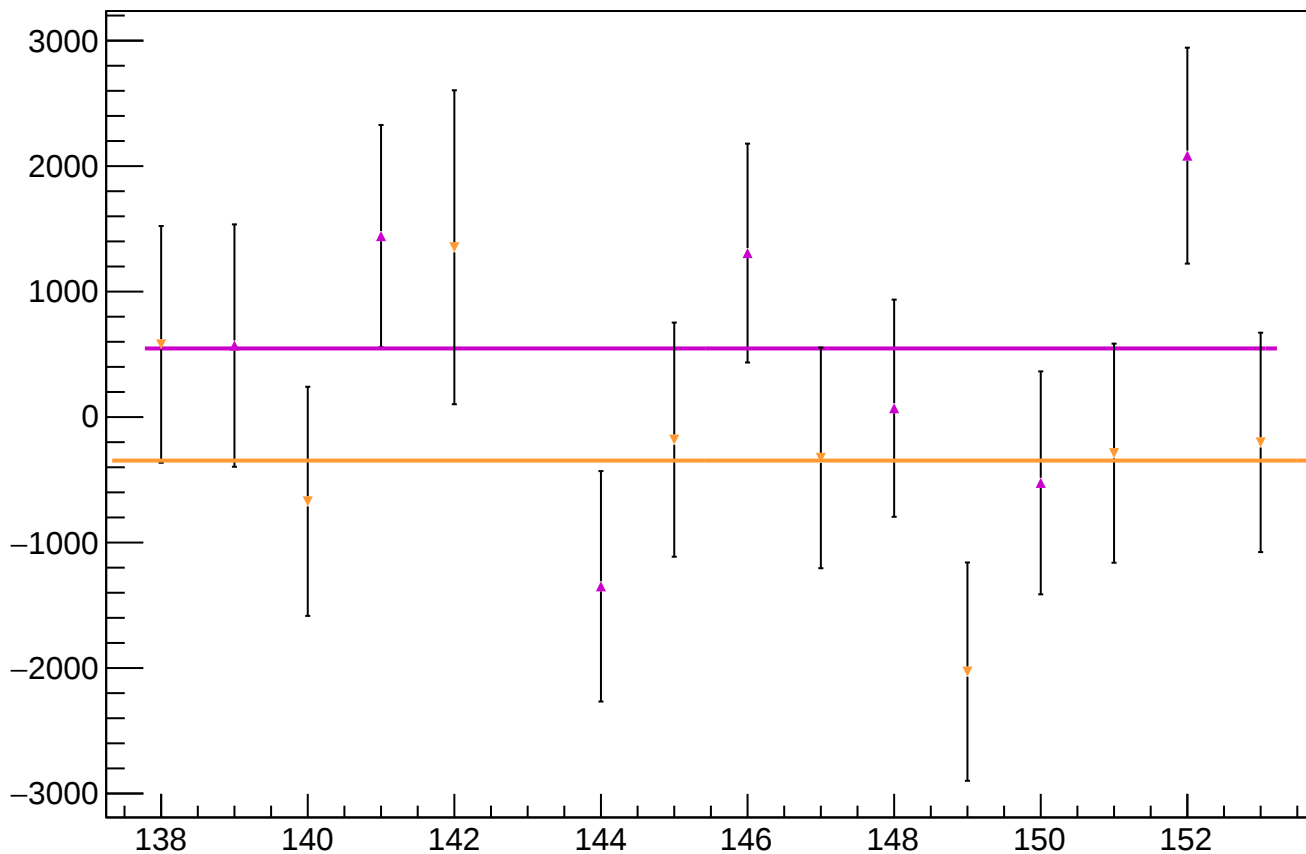
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 799.098 $\pm$ 0.240 χ^2 /NDF: 6808.1/6

800.074 $\pm$ 0.233 χ^2 /NDF: 7252.5/7

799.098 $\pm$ 0.240 χ^2 /NDF: 6808.1/6

cor_asym_us_dd_mean vs Slug



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

Left Out: -346.564+/-327.101 χ^2/NDF : 6.7/7

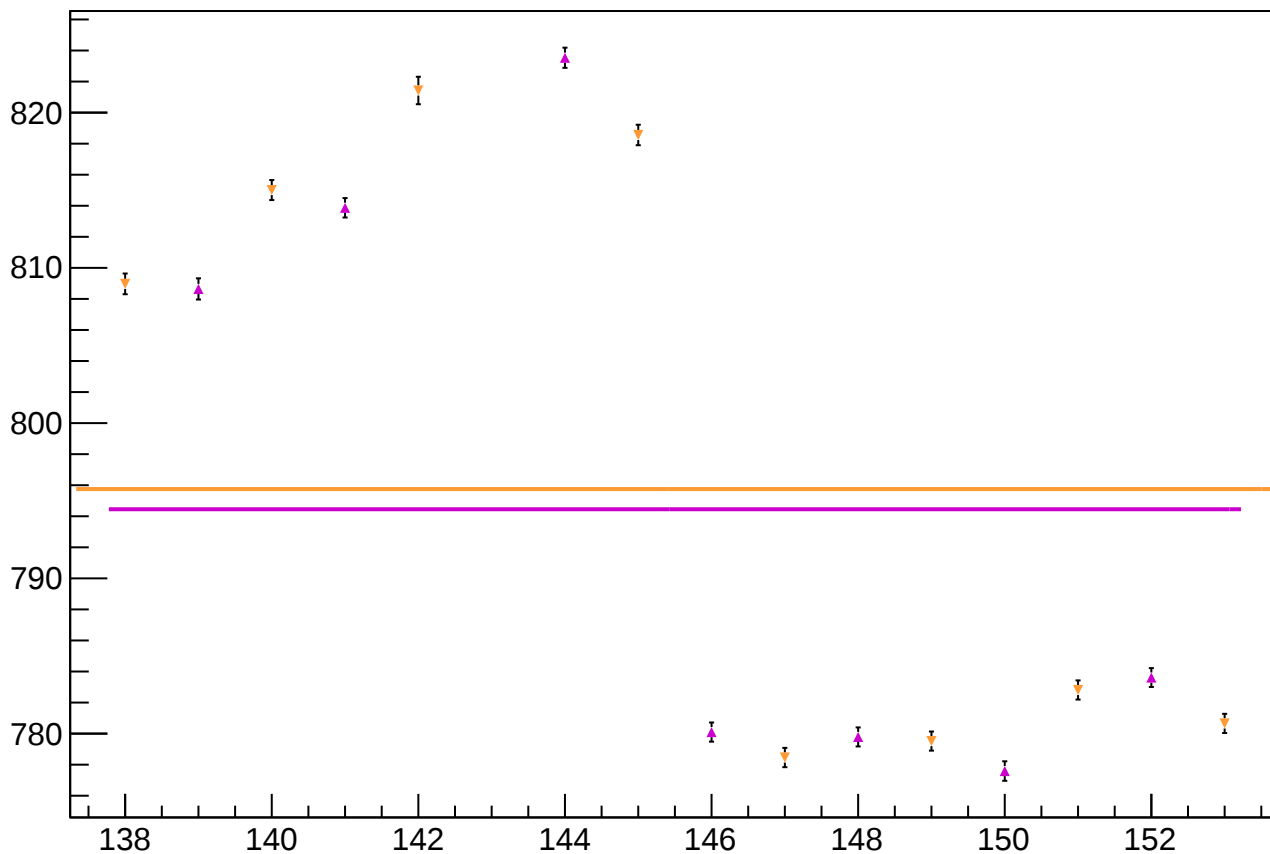
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 546.911+/-337.083 χ^2/NDF : 11.0/6

-346.564+/-327.101 χ^2/NDF : 6.7/7

546.911+/-337.083 χ^2/NDF : 11.0/6

cor_asym_us_dd_rms vs Slug



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

Left Out: 795.754+/-0.231 χ^2/NDF : 5825.4/7

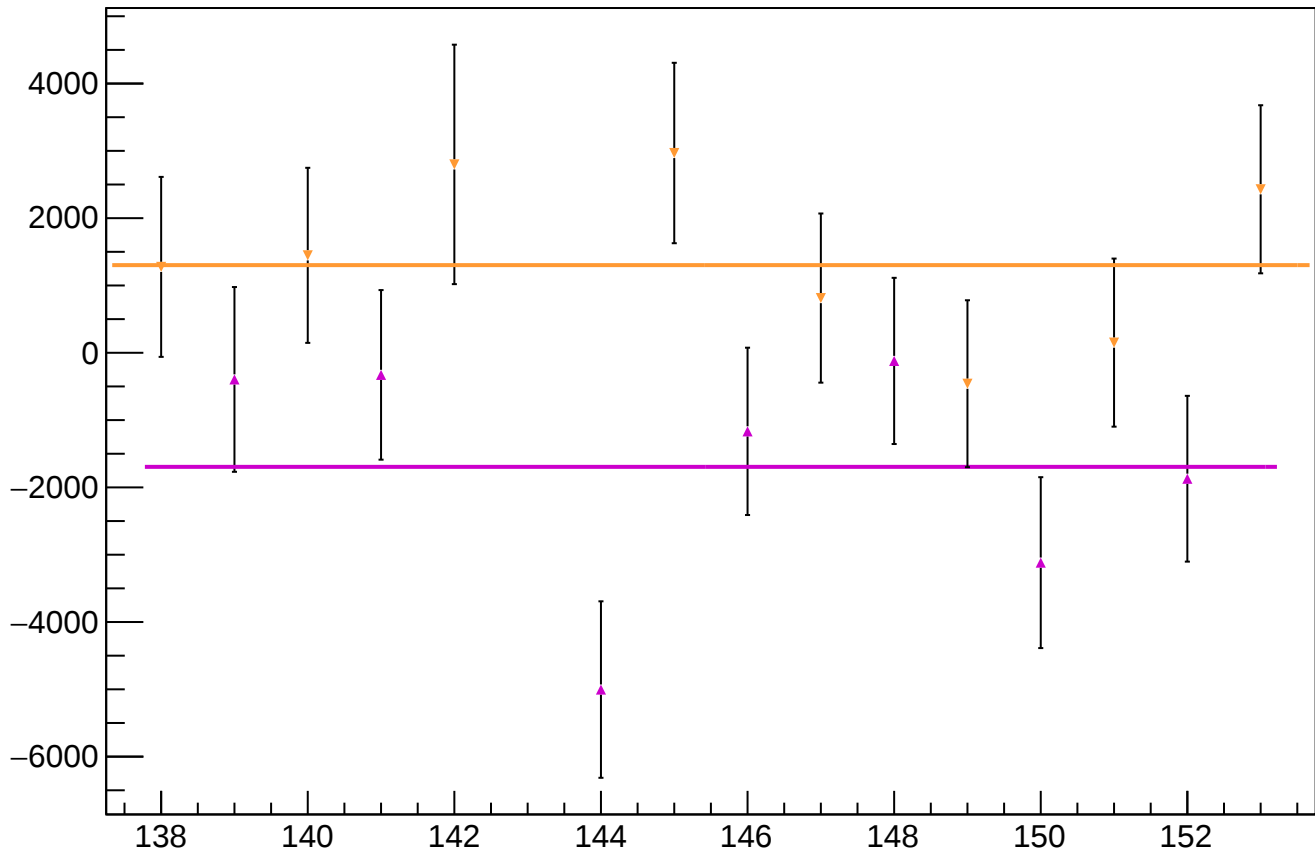
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 794.452+/-0.238 χ^2/NDF : 5553.4/6

795.754+/-0.231 χ^2/NDF : 5825.4/7

794.452+/-0.238 χ^2/NDF : 5553.4/6

cor_asym_usl_mean vs Slug



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

Left Out: 1302.330+/-466.771 χ^2/NDF : 6.1/7

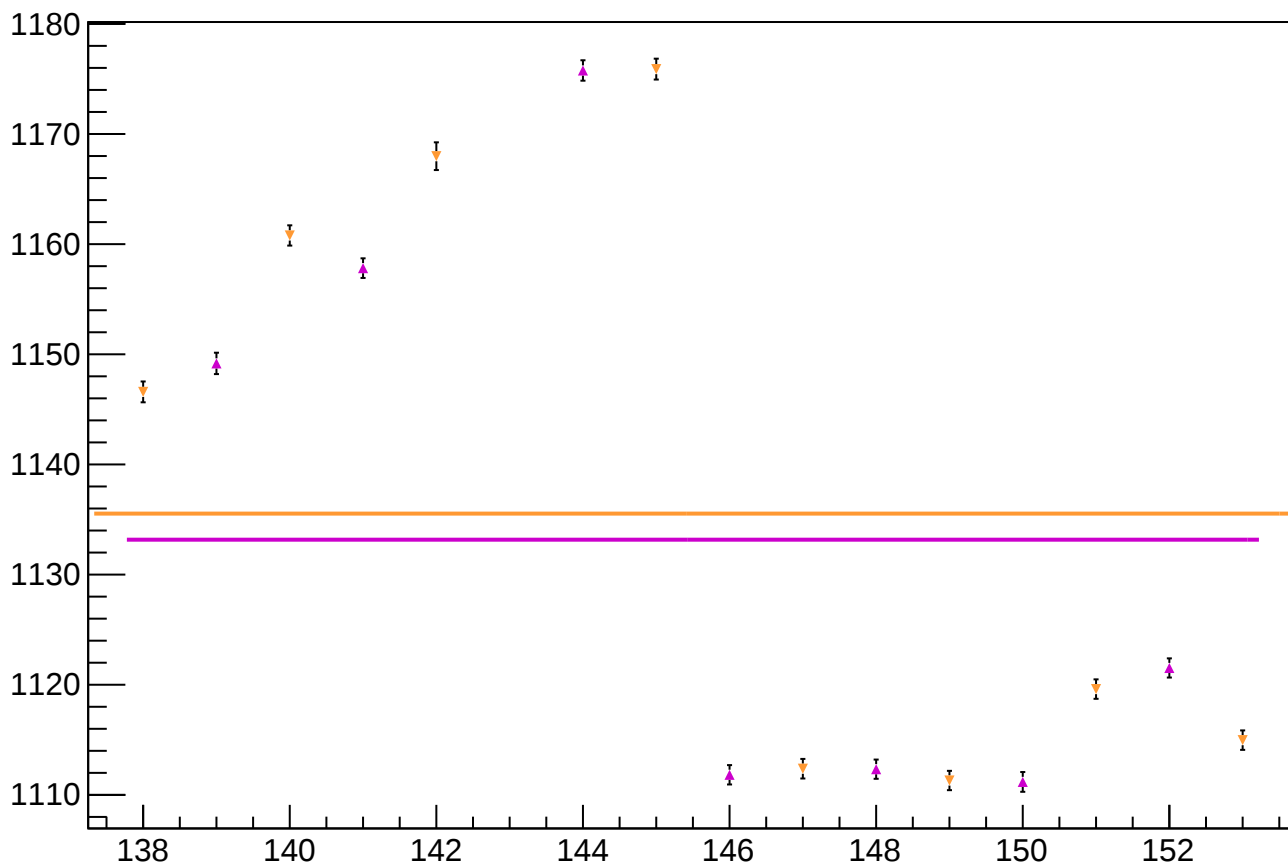
1302.330+/-466.771 χ^2/NDF : 6.1/7

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

-1694.687+/-480.796 χ^2/NDF : 11.5/6

Left In: -1694.687+/-480.796 χ^2/NDF : 11.5/6

cor_asym_usl_rms vs Slug



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

Left Out: 1135.537+/-0.330 χ^2/NDF : 5680.2/7

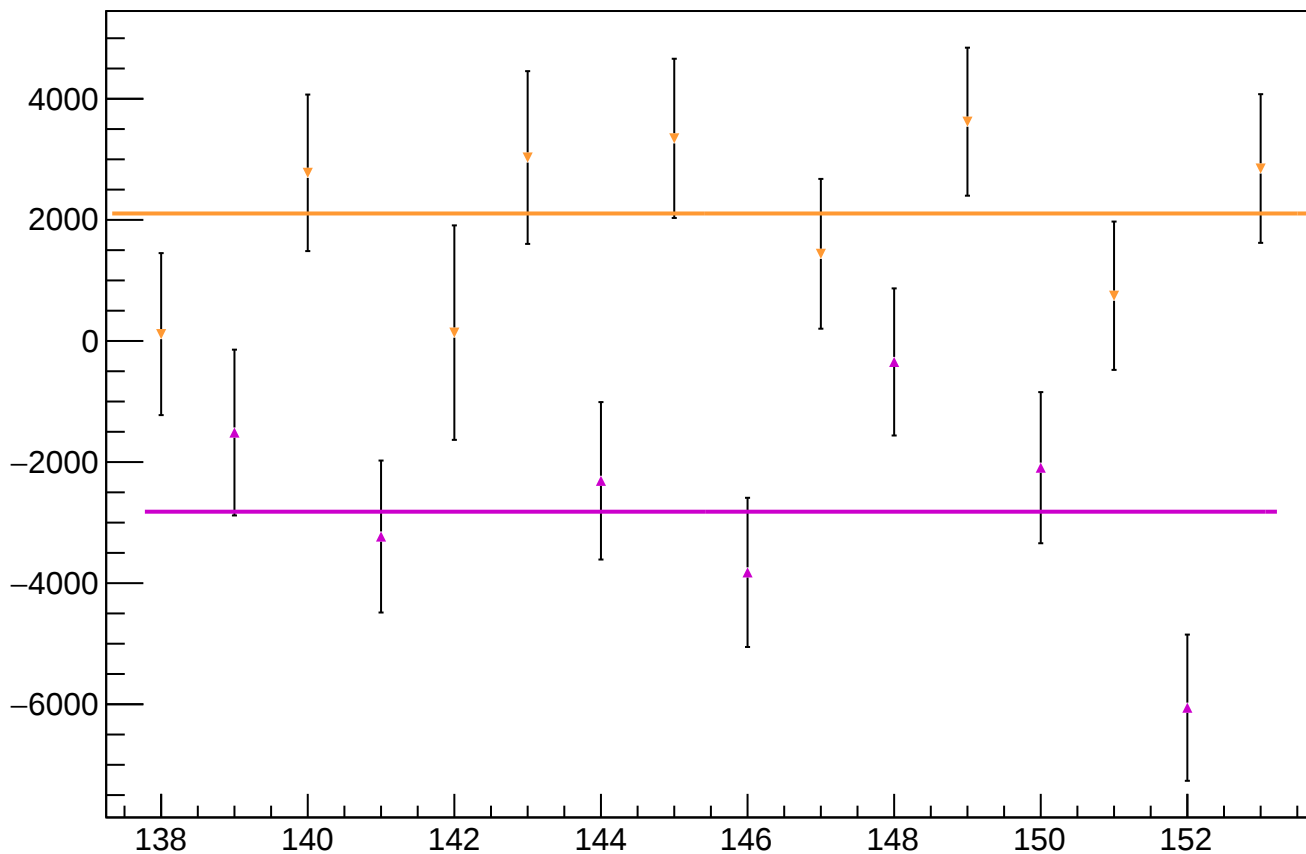
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1133.169+/-0.340 χ^2/NDF : 5087.4/6

1135.537+/-0.330 χ^2/NDF : 5680.2/7

1133.169+/-0.340 χ^2/NDF : 5087.4/6

cor_asym_usr_mean vs Slug



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

Left Out: 2105.683+/-438.596 χ^2/NDF : 8.5/8

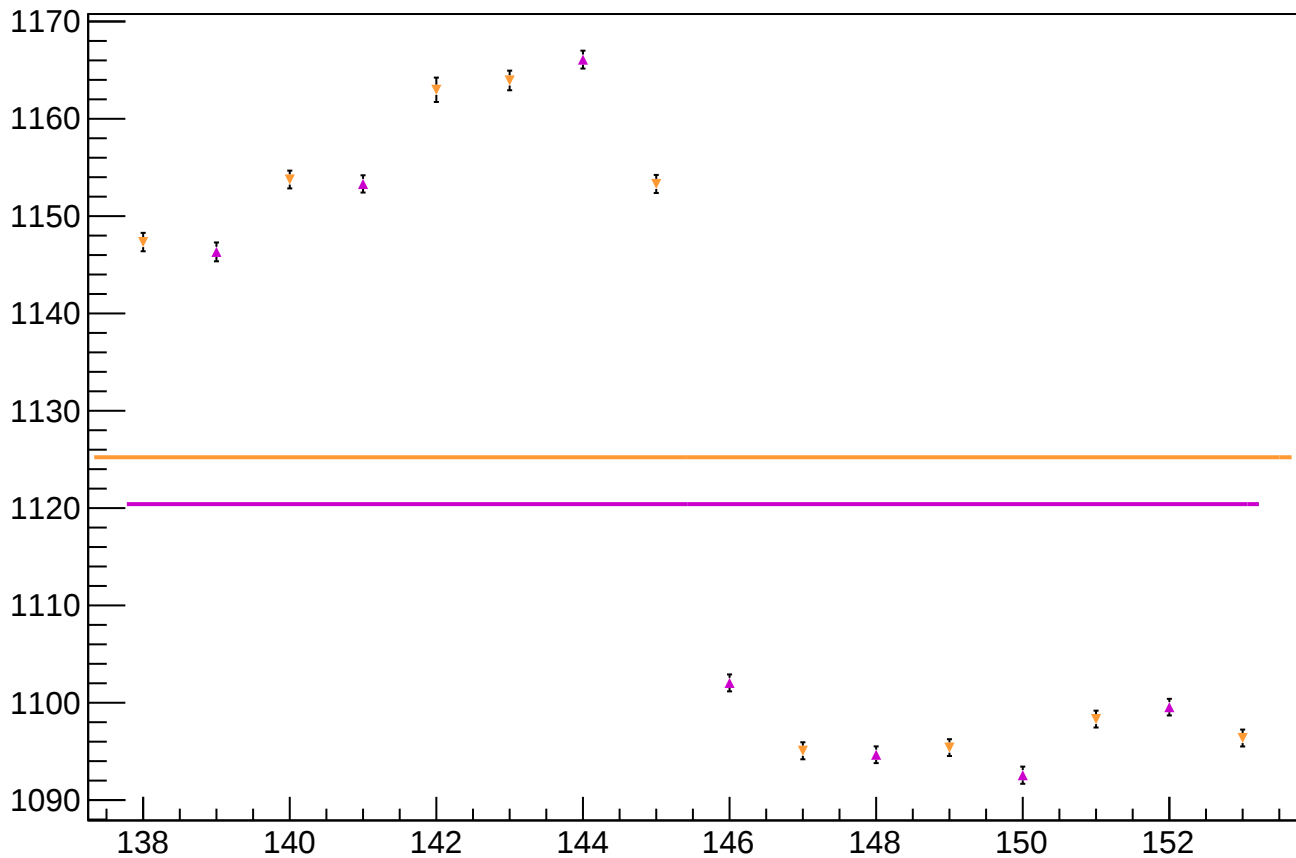
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -2819.675+/-475.433 χ^2/NDF : 13.5/6

2105.683+/-438.596 χ^2/NDF : 8.5/8

-2819.675+/-475.433 χ^2/NDF : 13.5/6

cor_asym_usr_rms vs Slug



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

Left Out: 1125.223+/-0.310 χ^2/NDF : 9264.5/8

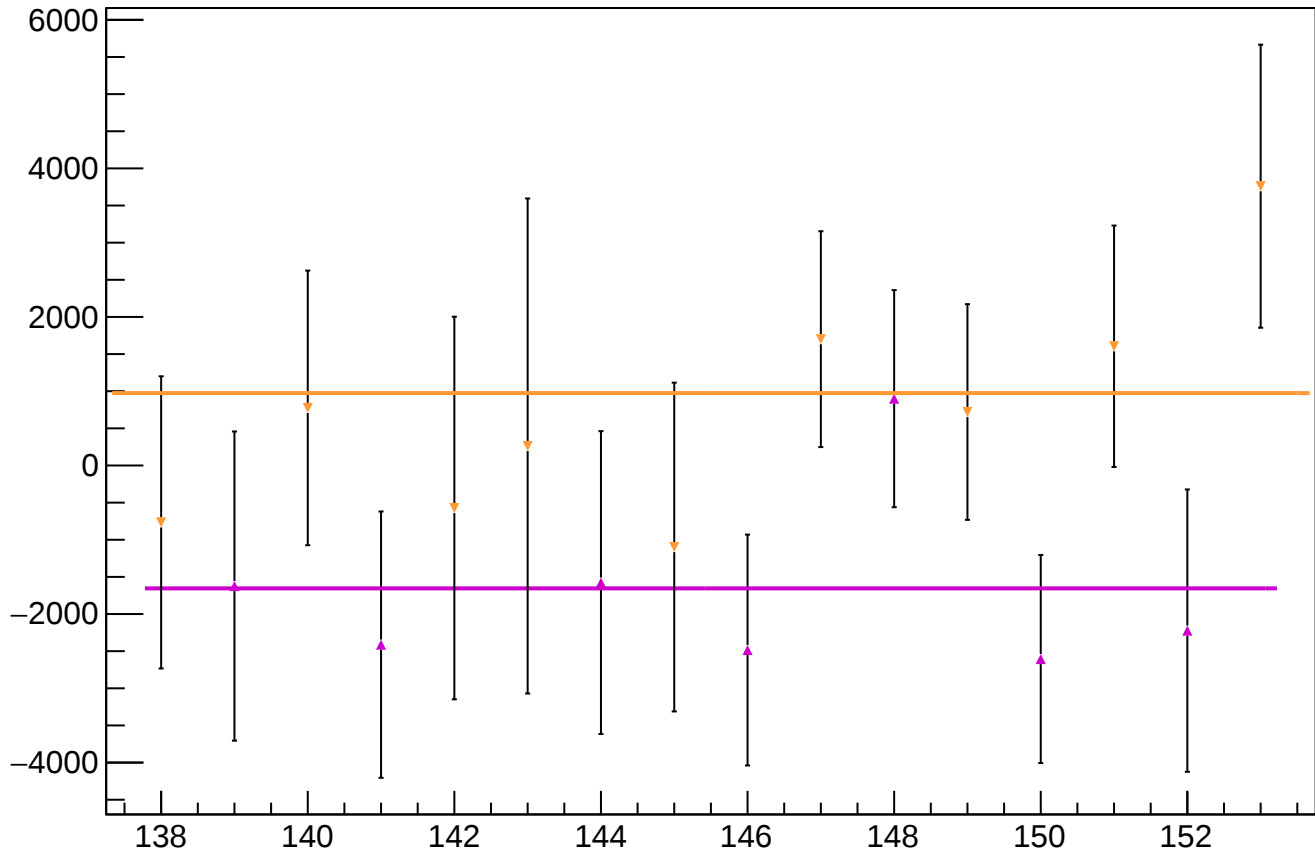
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1120.408+/-0.336 χ^2/NDF : 7495.1/6

1125.223+/-0.310 χ^2/NDF : 9264.5/8

1120.408+/-0.336 χ^2/NDF : 7495.1/6

asym_us_agg_avg_mean vs Slug



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

Left Out: 974.823+/-620.415 χ^2/NDF : 4.6/8

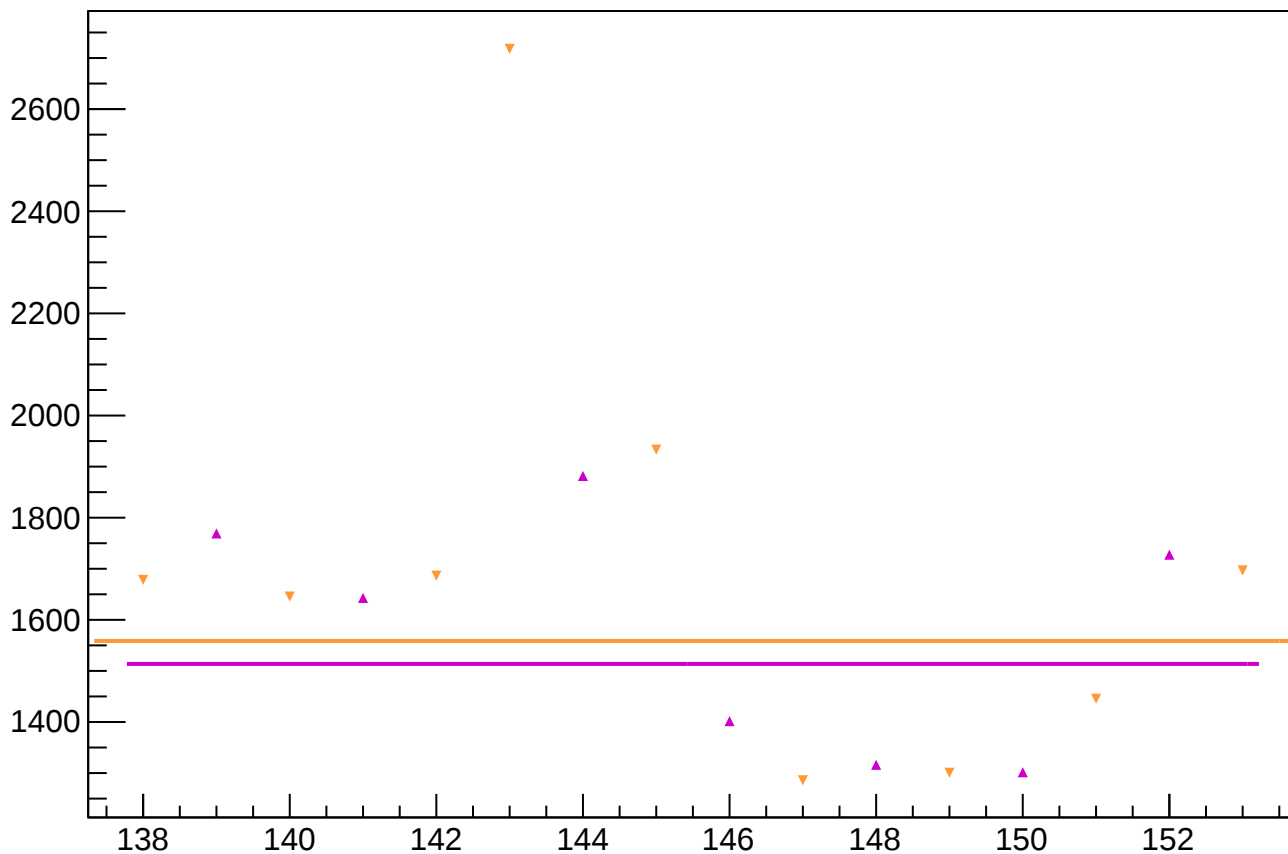
974.823+/-620.415 χ^2/NDF : 4.6/8

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

-1654.568+/-638.726 χ^2/NDF : 4.1/6

Left In: -1654.568+/-638.726 χ^2/NDF : 4.1/6

asym_us_agg_avg_rms vs Slug



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

Left Out: 1558.670+/-0.439 χ^2/NDF : 469909.0/8

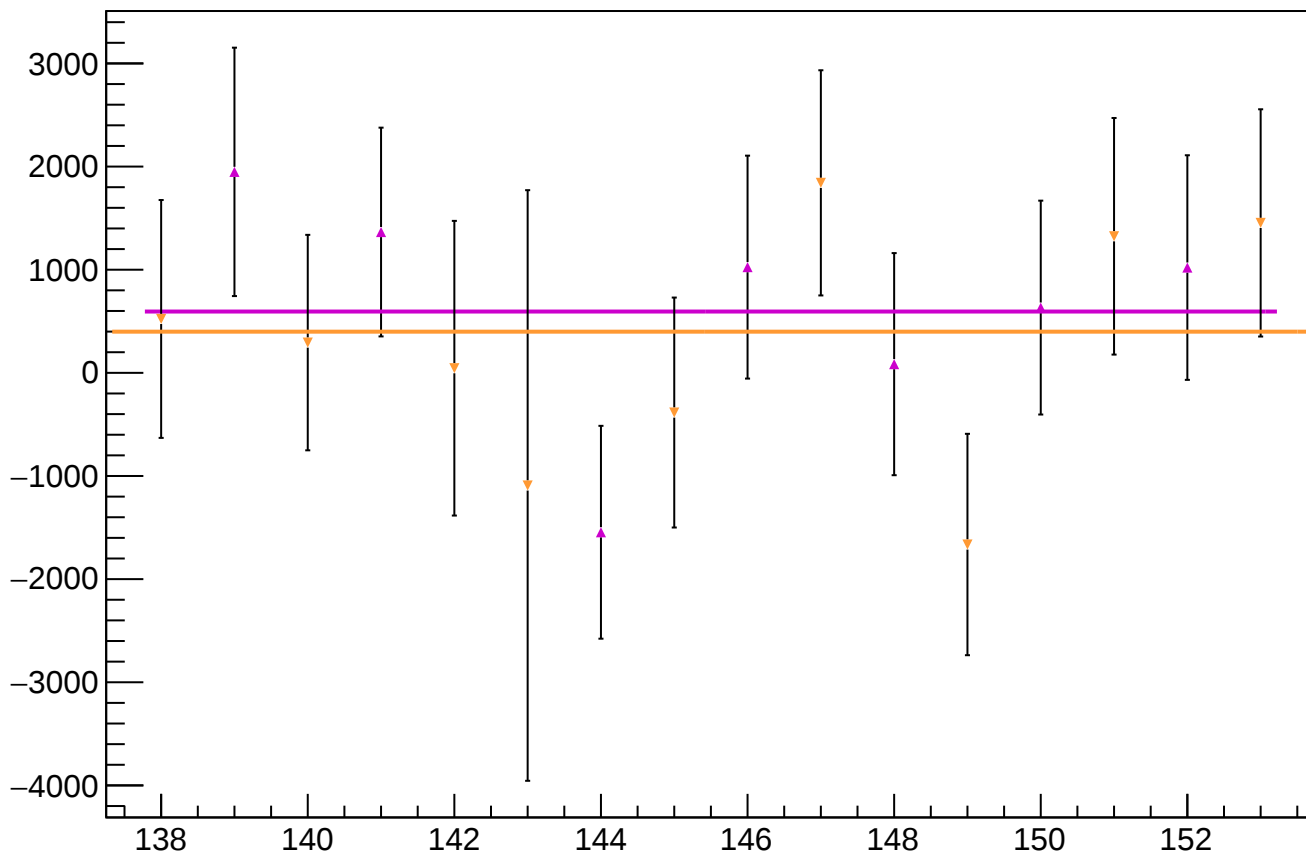
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1513.679+/-0.452 χ^2/NDF : 223809.6/6

1558.670+/-0.439 χ^2/NDF : 469909.0/8

1513.679+/-0.452 χ^2/NDF : 223809.6/6

asym_us_agg_dd_mean vs Slug



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

Left Out: 399.323 $\pm$ 396.012 χ^2 /NDF: 7.9/8

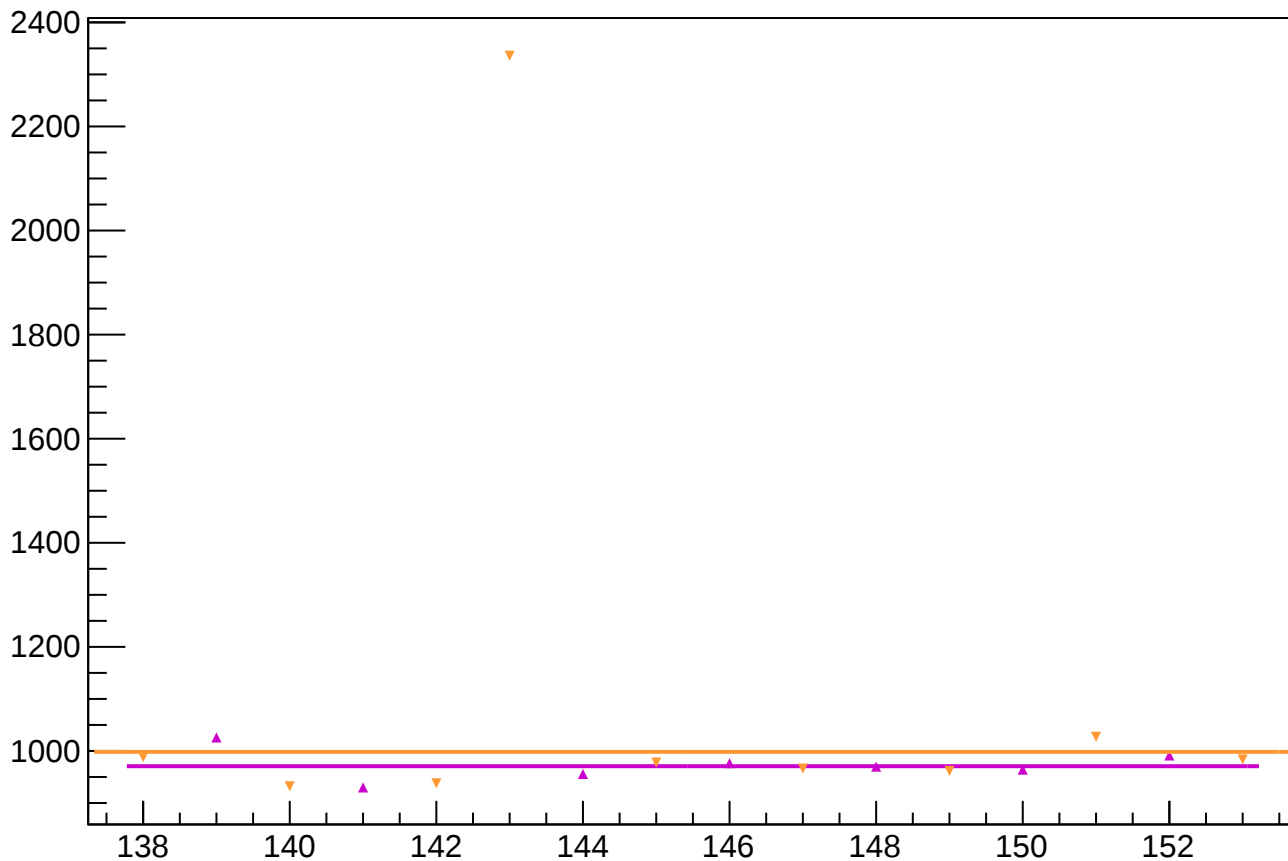
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 594.508 $\pm$ 404.980 χ^2 /NDF: 6.7/6

399.323 $\pm$ 396.012 χ^2 /NDF: 7.9/8

594.508 $\pm$ 404.980 χ^2 /NDF: 6.7/6

asym_us_agg_dd_rms vs Slug



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

Left Out: 998.246+/-0.280 χ^2/NDF : 454631.4/8

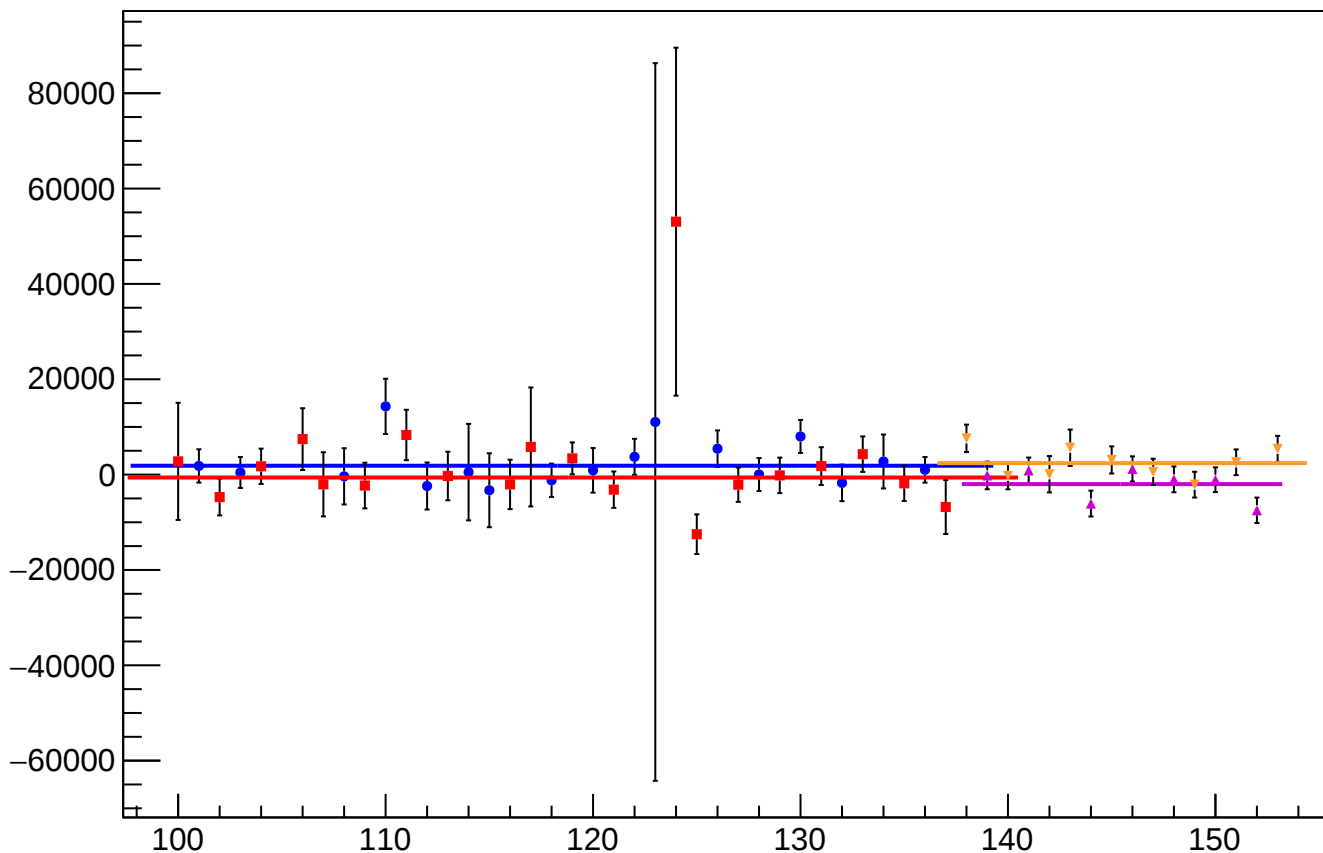
998.246+/-0.280 χ^2/NDF : 454631.4/8

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

970.714+/-0.286 χ^2/NDF : 8735.0/6

Left In: 970.714+/-0.286 χ^2/NDF : 8735.0/6

reg_asym_atl1_mean vs Slug



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

Left Out: 2406.976 $\pm$ 976.288 χ^2 /NDF: 9.8/8

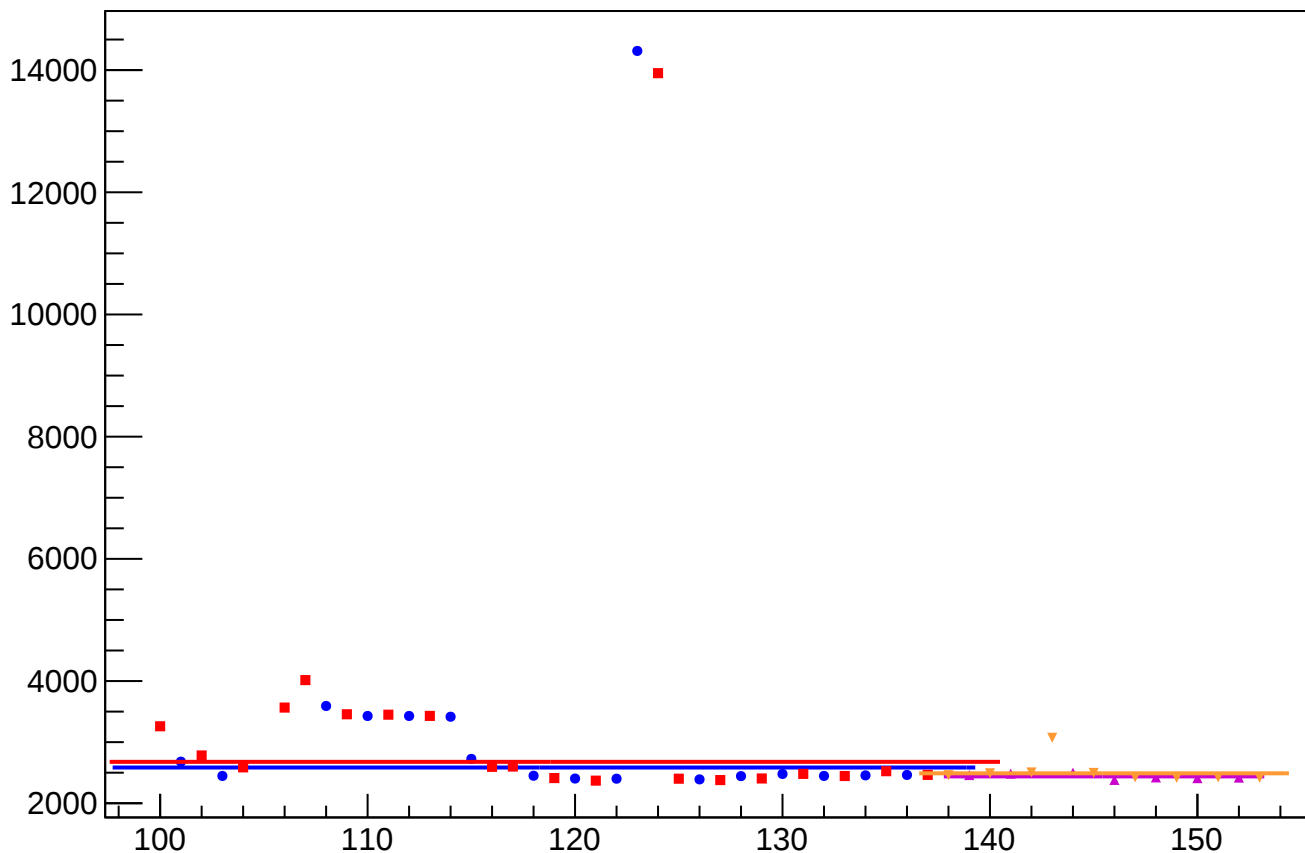
Right Out: -611.041 $\pm$ 1020.345 χ^2 /NDF: 22.3/19

Left In: -1993.684 $\pm$ 1019.845 χ^2 /NDF: 9.8/6

2143.585 $\pm$ 703.106 χ^2 /NDF: 22.4/25

-1302.702 $\pm$ 721.316 χ^2 /NDF: 33.0/26

reg_asym_atl1_rms vs Slug



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

Left Out: 2489.837+/-0.690 χ^2/NDF : 52227.8/8

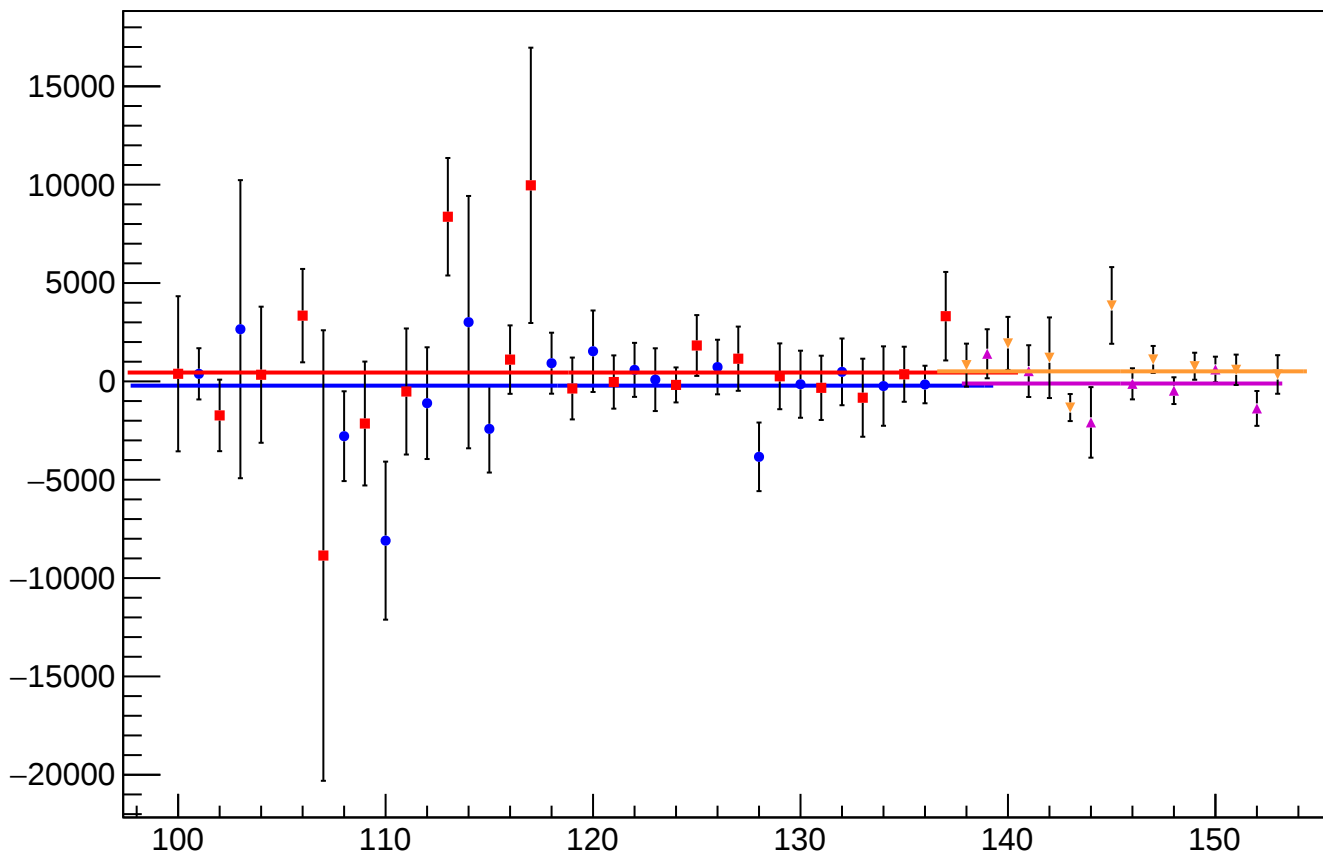
Right Out: 2677.711+/-0.721 χ^2/NDF : 532173.5/19

Left In: 2439.359+/-0.721 χ^2/NDF : 3070.4/6

2535.555+/-0.497 χ^2/NDF : 317050.0/25

2558.476+/-0.510 χ^2/NDF : 589839.4/26

asym_atl1_correction_mean vs Slug



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

Left Out: 509.993+/-302.049 χ^2/NDF :12.4/8

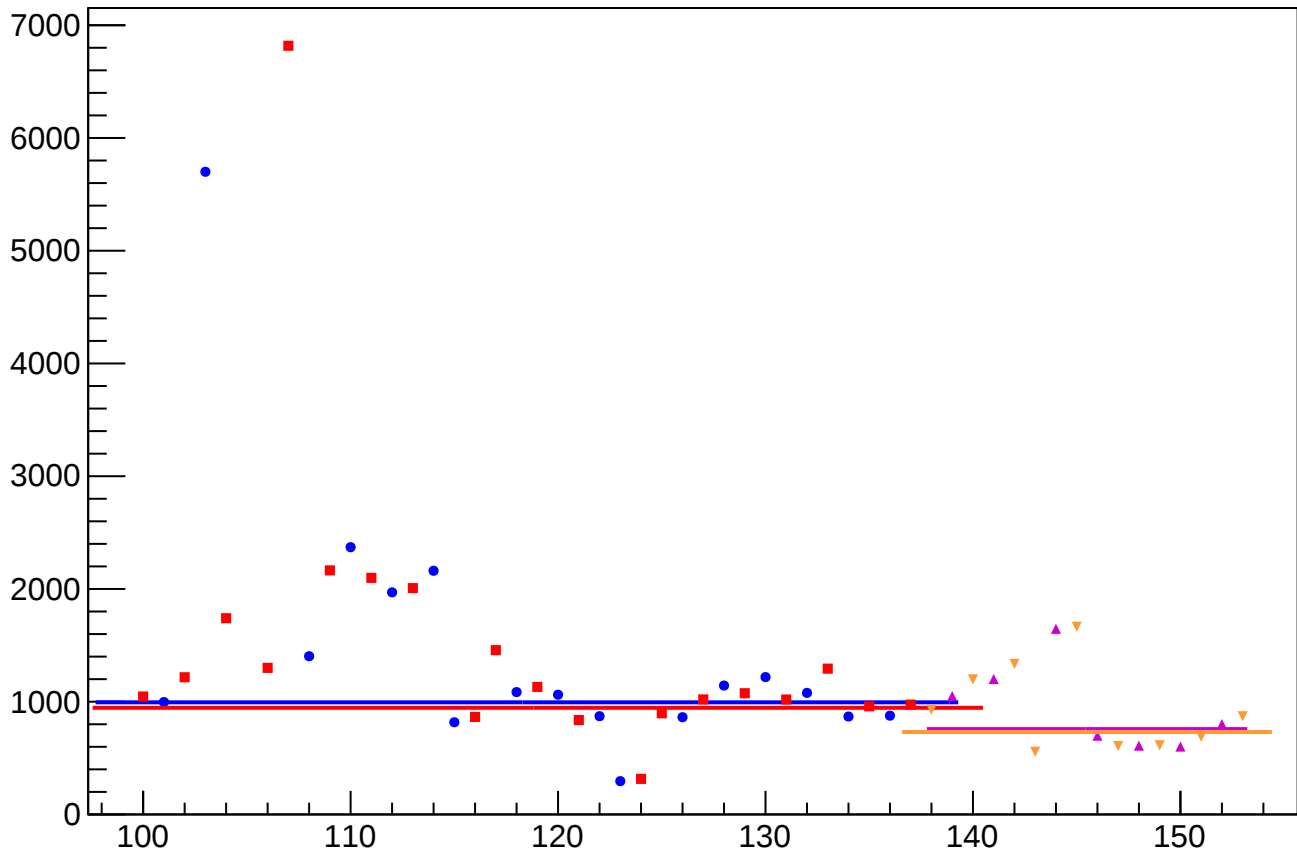
Right Out: 449.702+/-408.279 χ^2/NDF : 17.5/19

Left In: -108.936+/-334.396 χ^2/NDF :6.5/6

262.223+/-245.235 χ^2/NDF : 27.7/25

115.353+/-258.700 χ^2/NDF : 25.1/26

asym_atl1_correction_rms vs Slug



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

Left Out: 731.315 $\pm$ 0.214 χ^2 /NDF: 1237206.7/8

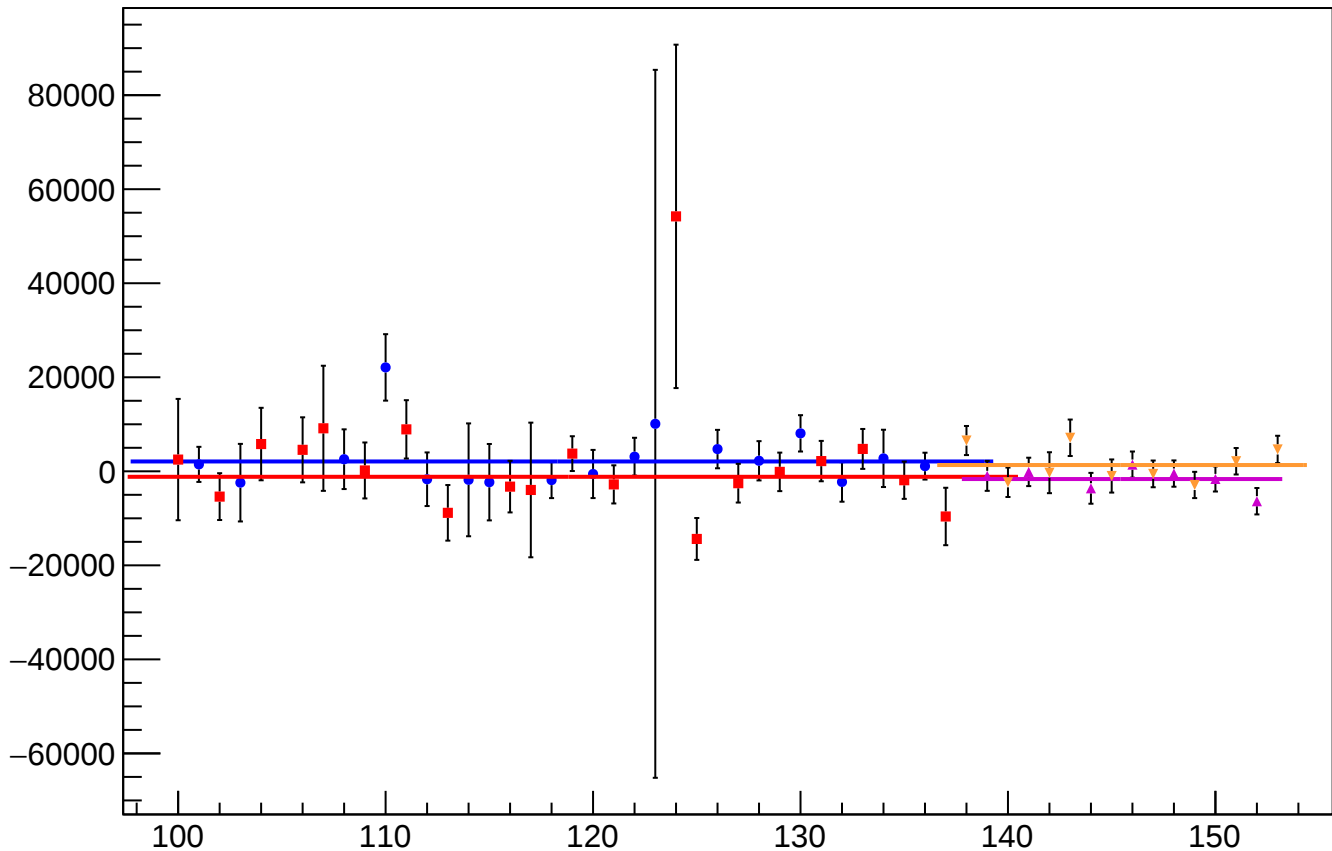
821.024 $\pm$ 0.173 χ^2 /NDF: 3659414.1/25

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

832.941 $\pm$ 0.183 χ^2 /NDF: 3986901.6/26

Left In: 757.078 $\pm$ 0.236 χ^2 /NDF: 1053803.0/6

asym_atl1_mean vs Slug



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

Left Out: 1334.146+/-1052.300 χ^2/NDF : 11.2/8

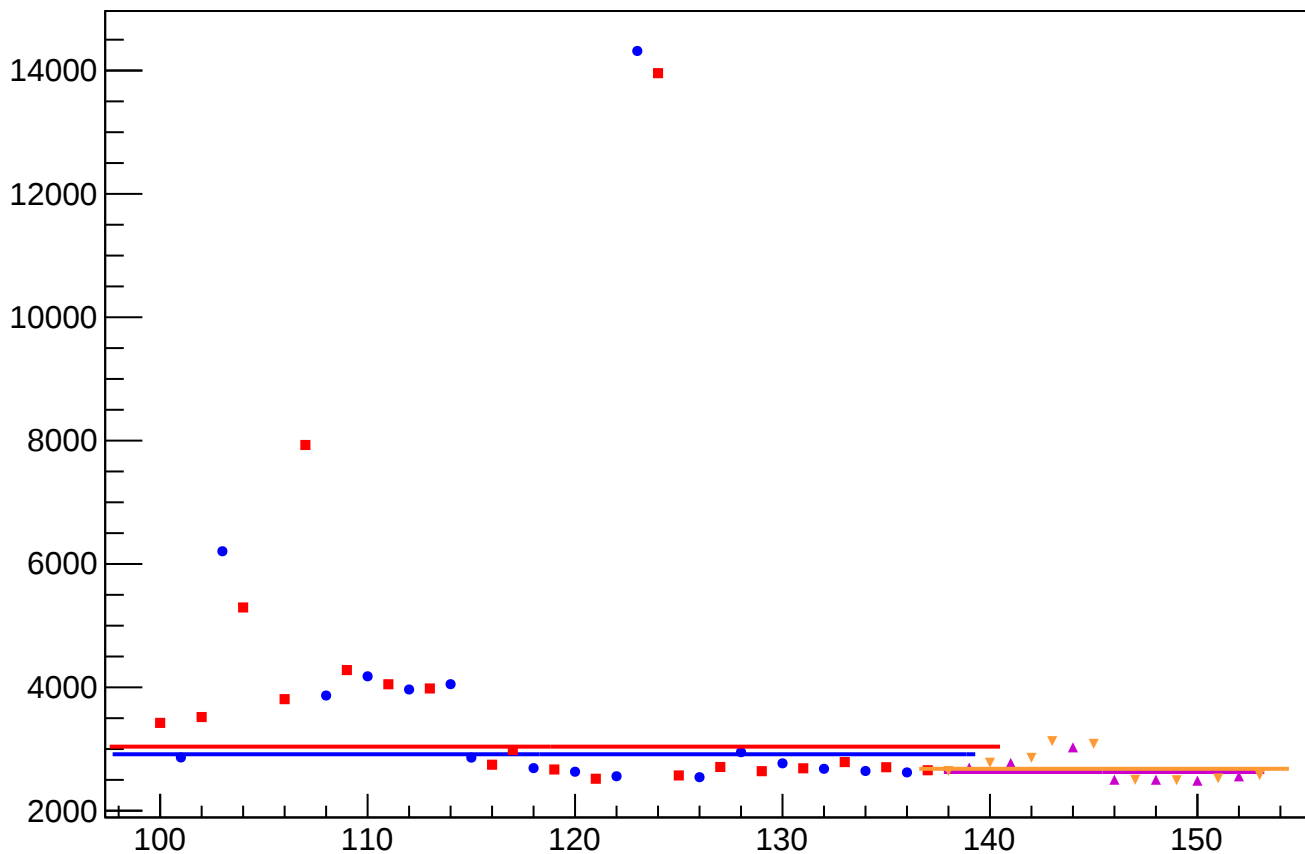
1677.054+/-779.518 χ^2/NDF : 26.0/25

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

-1423.171+/-805.907 χ^2/NDF : 30.1/26

Left In: -1645.011+/-1100.915 χ^2/NDF : 4.9/6

asym_atl1_rms vs Slug



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

Left Out: 2679.687+/-0.744 χ^2 /NDF: 83916.4/8

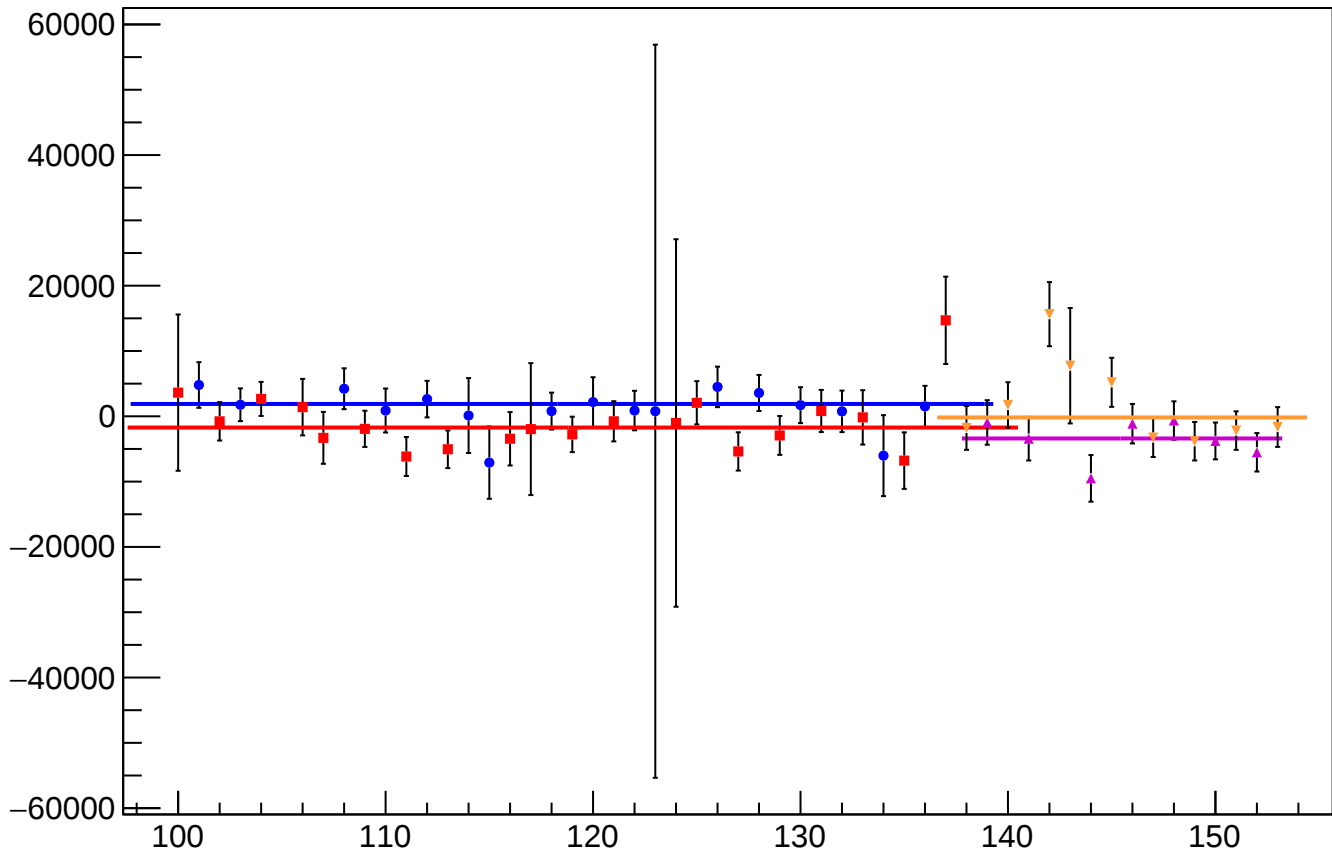
Right Out: 3038.763+/-0.836 χ^2 /NDF: 1011412.5/19

Left In: 2627.308+/-0.778 χ^2 /NDF: 50294.9/6

2785.963+/-0.551 χ^2 /NDF: 768259.5/25

2818.275+/-0.570 χ^2 /NDF: 1191366.5/26

reg_asym_atl2_mean vs Slug



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

Left Out: -175.599+/-1156.653 χ^2 /NDF:17.1/8

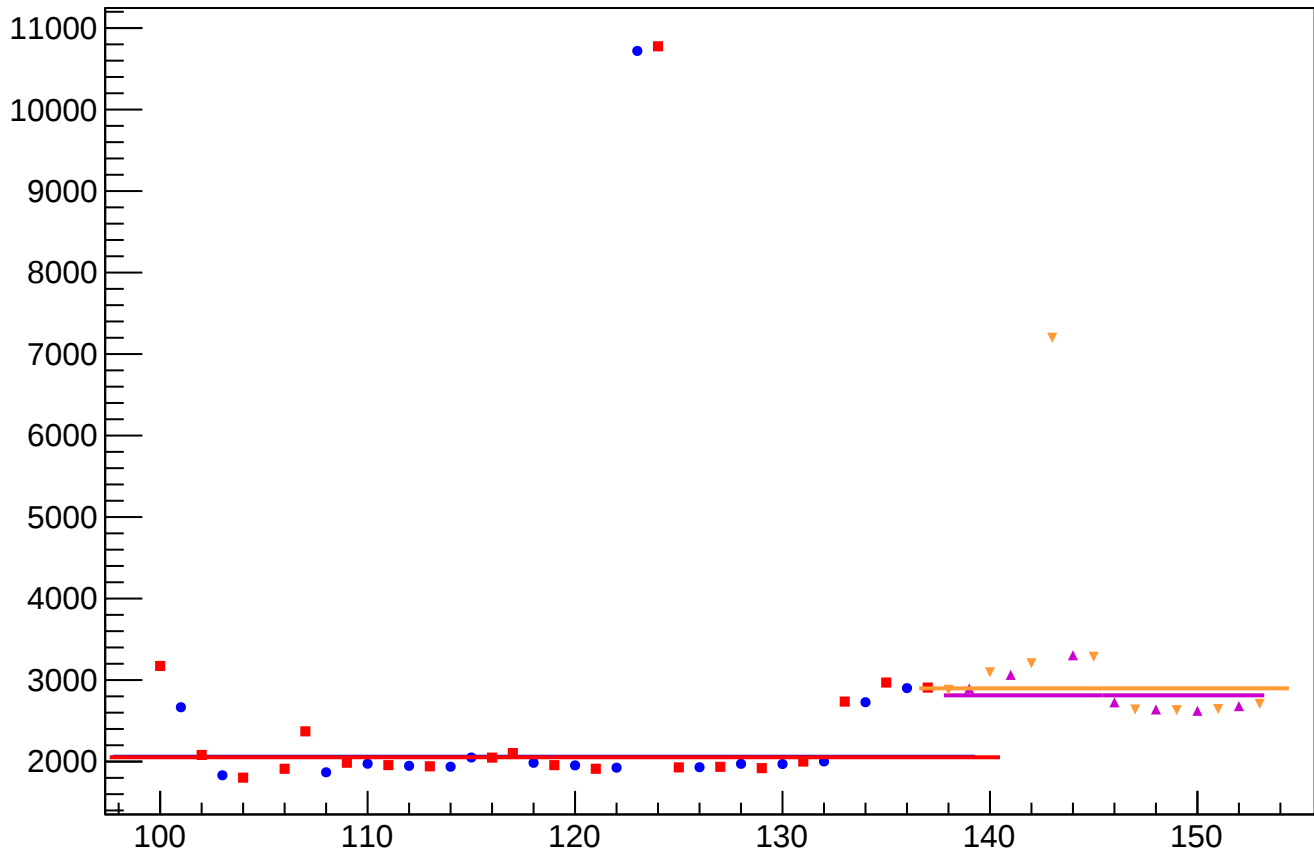
Right Out: -1720.591+/-787.704 χ^2 /NDF: 19.0/19

Left In: -3393.465+/-1178.008 χ^2 /NDF:5.4/6

1208.674+/-664.271 χ^2 /NDF: 26.5/25

-2237.468+/-654.802 χ^2 /NDF: 25.8/26

reg_asym_atl2_rms vs Slug



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

Left Out: 2898.466+/-0.818 χ^2/NDF : 563999.1/8

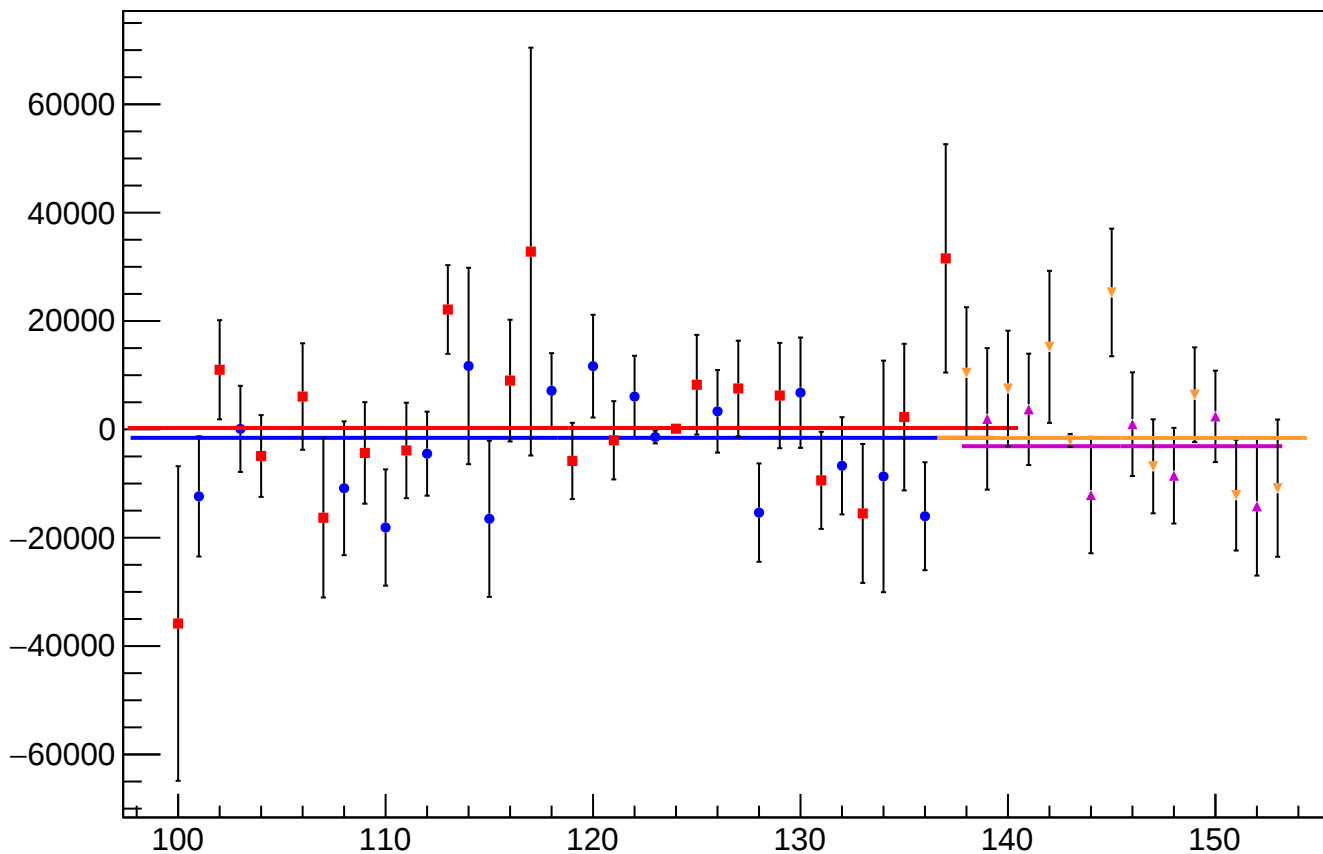
Right Out: 2052.576+/-0.557 χ^2/NDF : 443374.3/19

Left In: 2812.488+/-0.833 χ^2/NDF : 72199.4/6

2335.853+/-0.470 χ^2/NDF : 1588643.8/25

2287.368+/-0.463 χ^2/NDF : 1090690.0/26

asym_atl2_correction_mean vs Slug



Right In: -1563.218 ± 1053.946 $\chi^2/\text{NDF}: 16.2/16$

Left Out: -1582.157 ± 1128.645 $\chi^2/\text{NDF}: 11.3/8$

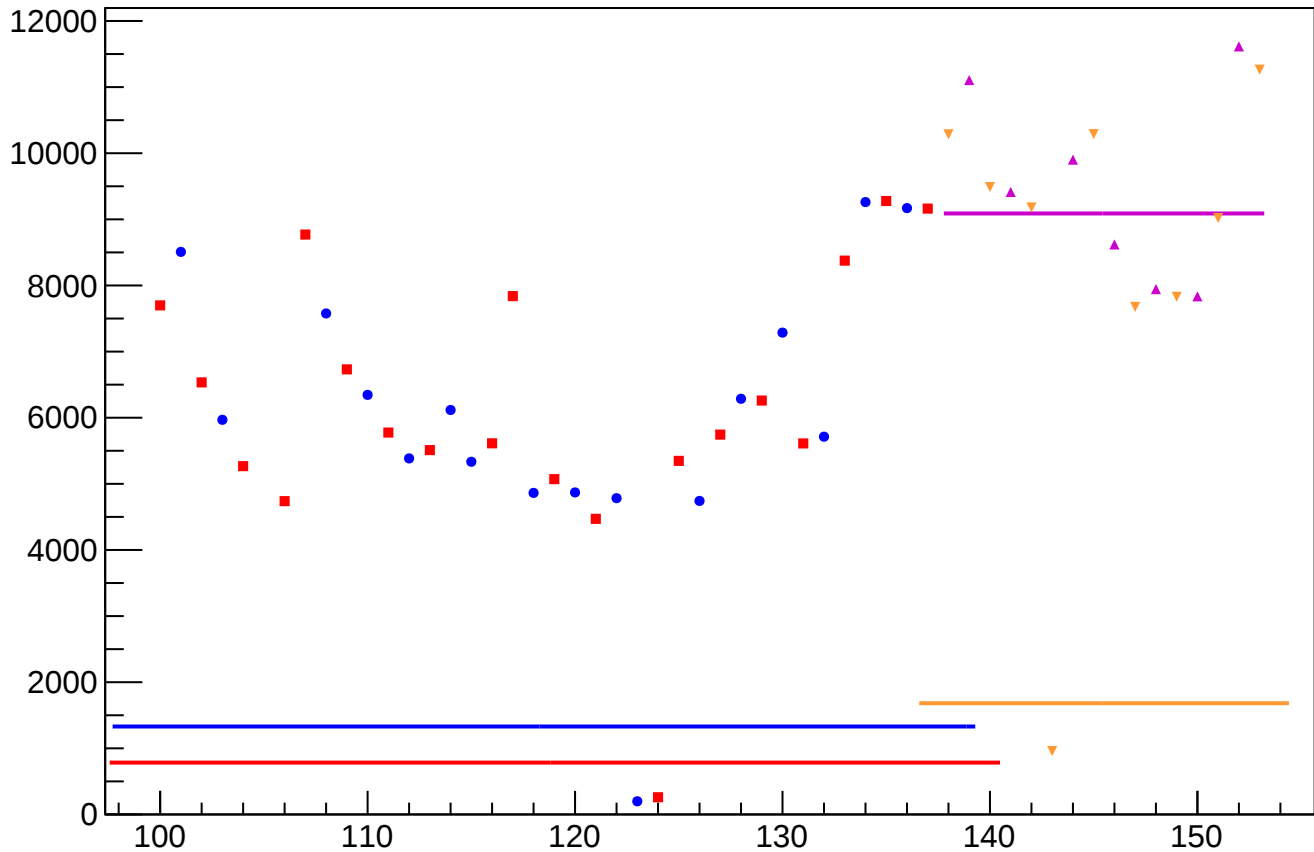
Right Out: 247.306 ± 695.049 $\chi^2/\text{NDF}: 21.6/19$

Left In: -3107.355 ± 3837.821 $\chi^2/\text{NDF}: 3.0/6$

-1572.040 ± 770.307 $\chi^2/\text{NDF}: 27.5/25$

140.771 ± 683.923 $\chi^2/\text{NDF}: 25.3/26$

asym_atl2_correction_rms vs Slug



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

Left Out: 1682.102+/-0.798 χ^2/NDF : 8585702.4/8

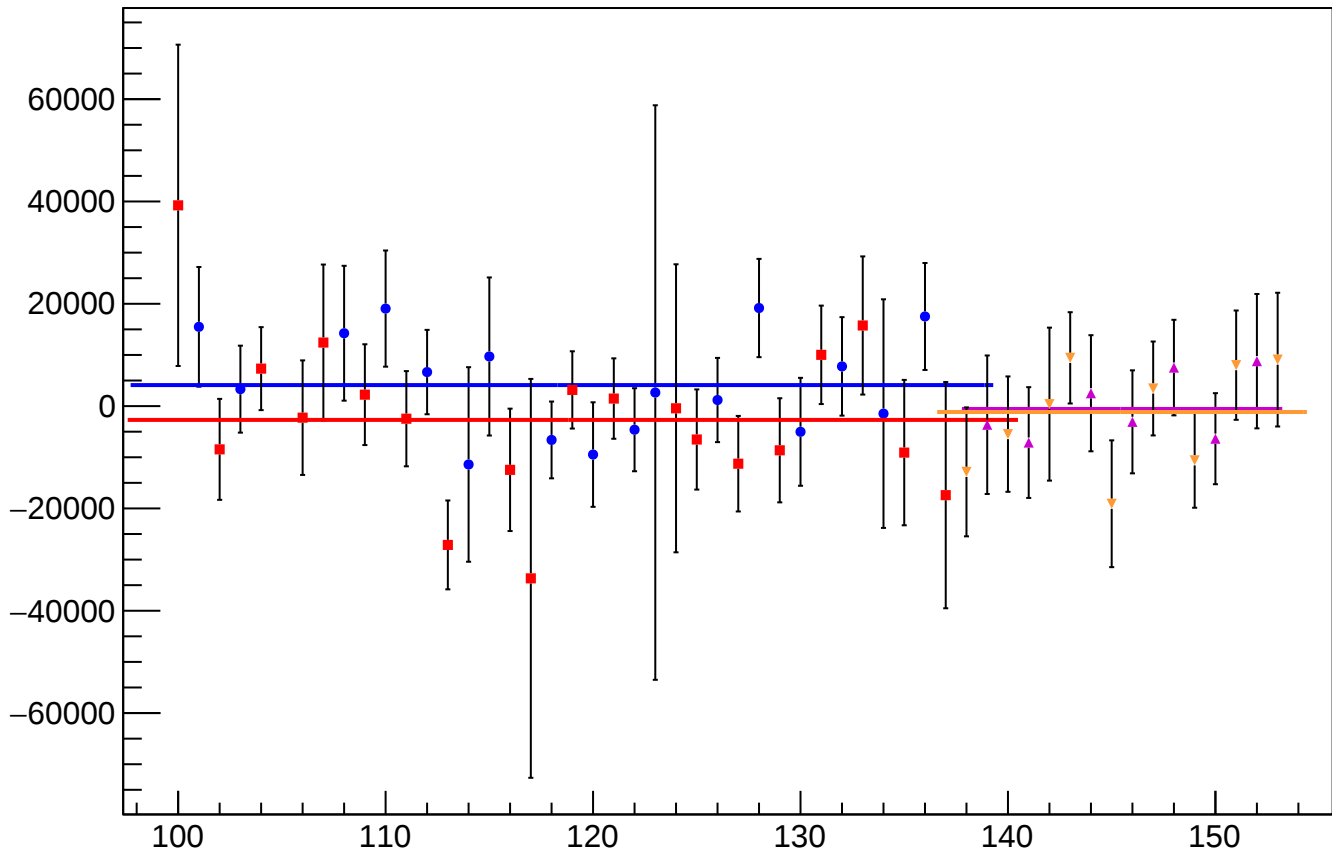
1494.148+/-0.545 χ^2/NDF : 18736362.4/25

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

1047.990+/-0.484 χ^2/NDF : 20799602.7/26

Left In: 9088.956+/-2.714 χ^2/NDF : 221804.1/6

asym_atl2_mean vs Slug



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

Left Out: -1149.814 $\pm$ 3631.194 χ^2 /NDF: 7.2/8

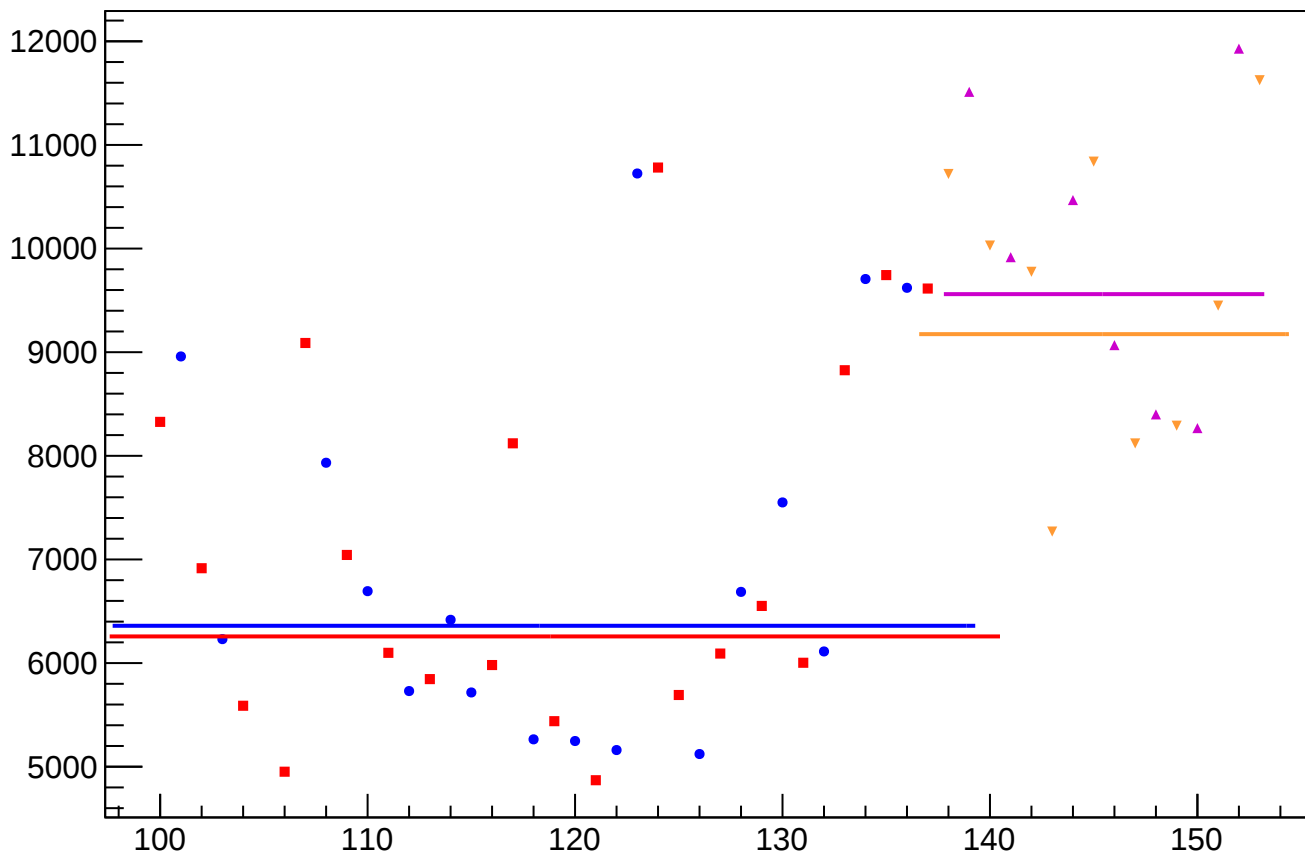
Right Out: -2697.106 $\pm$ 2415.828 χ^2 /NDF: 20.6/19

Left In: -561.771 $\pm$ 4031.986 χ^2 /NDF: 2.2/6

2388.218 $\pm$ 2078.283 χ^2 /NDF: 22.9/25

-2133.026 $\pm$ 2072.318 χ^2 /NDF: 23.0/26

asym_atl2_rms vs Slug



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

Left Out: 9174.266+/-2.568 χ^2/NDF : 288293.9/8

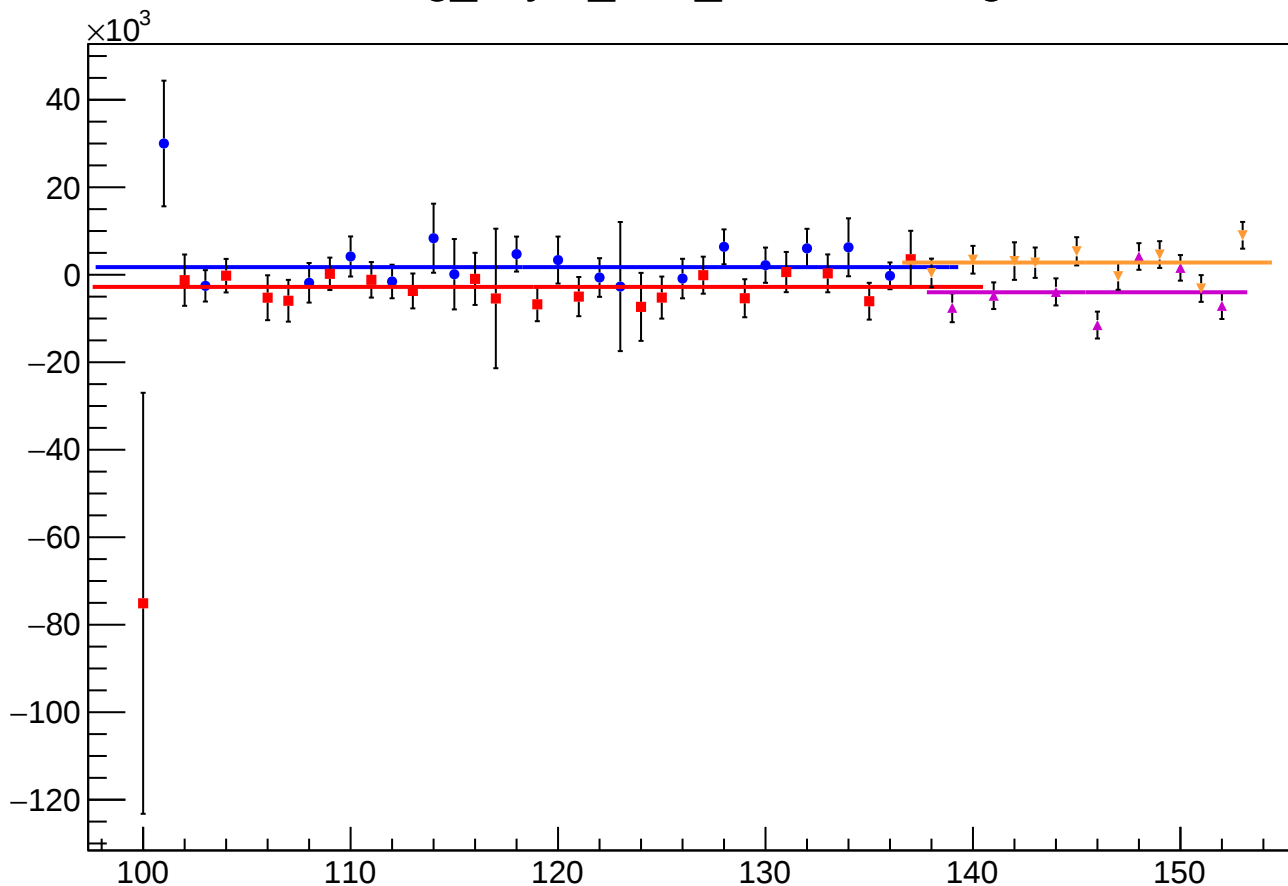
Right Out: 6257.232+/-1.708 χ^2/NDF : 537553.3/19

Left In: 9560.272+/-2.851 χ^2/NDF : 199512.7/6

7281.828+/-1.470 χ^2/NDF : 1676611.5/25

7129.719+/-1.465 χ^2/NDF : 1724733.5/26

reg_asym_atr1_mean vs Slug



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

Left Out: 2797.277 ± 1083.876 χ^2/NDF : 10.5/8

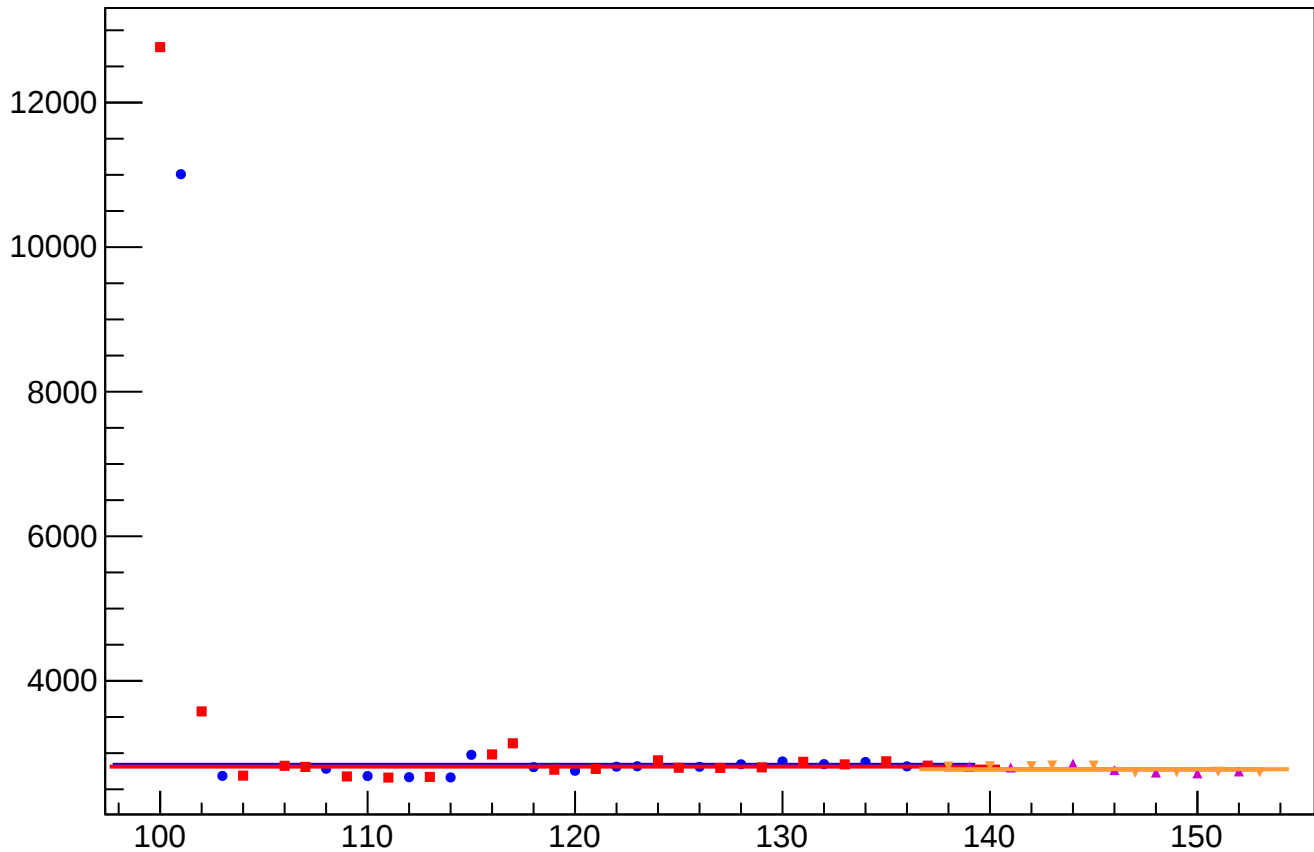
Right Out: -2775.793 ± 1069.534 χ^2/NDF : 9.7/19

Left In: -3999.366 ± 1159.102 χ^2/NDF : 19.1/6

2292.845 ± 781.723 χ^2/NDF : 23.2/25

-3338.483 ± 786.035 χ^2/NDF : 29.4/26

reg_asym_atr1_rms vs Slug



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

Left Out: 2777.722+/-0.766 χ^2/NDF : 3297.4/8

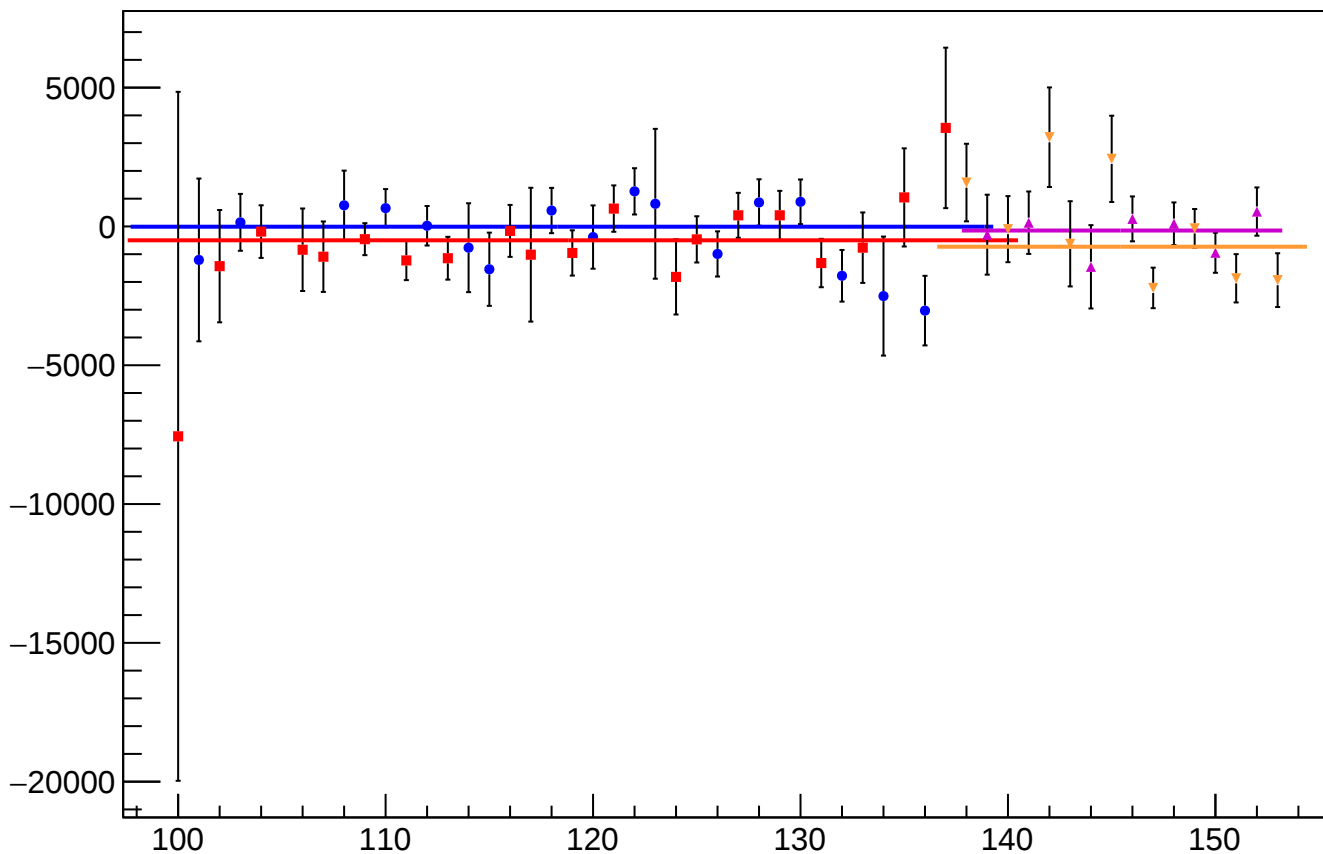
Right Out: 2814.083+/-0.756 χ^2/NDF : 133883.7/19

Left In: 2775.132+/-0.820 χ^2/NDF : 3022.6/6

2806.999+/-0.553 χ^2/NDF : 666547.8/25

2796.170+/-0.556 χ^2/NDF : 138126.2/26

asym_atr1_correction_mean vs Slug



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

Left Out: -730.635 ± 339.155 χ^2/NDF : 20.3/8

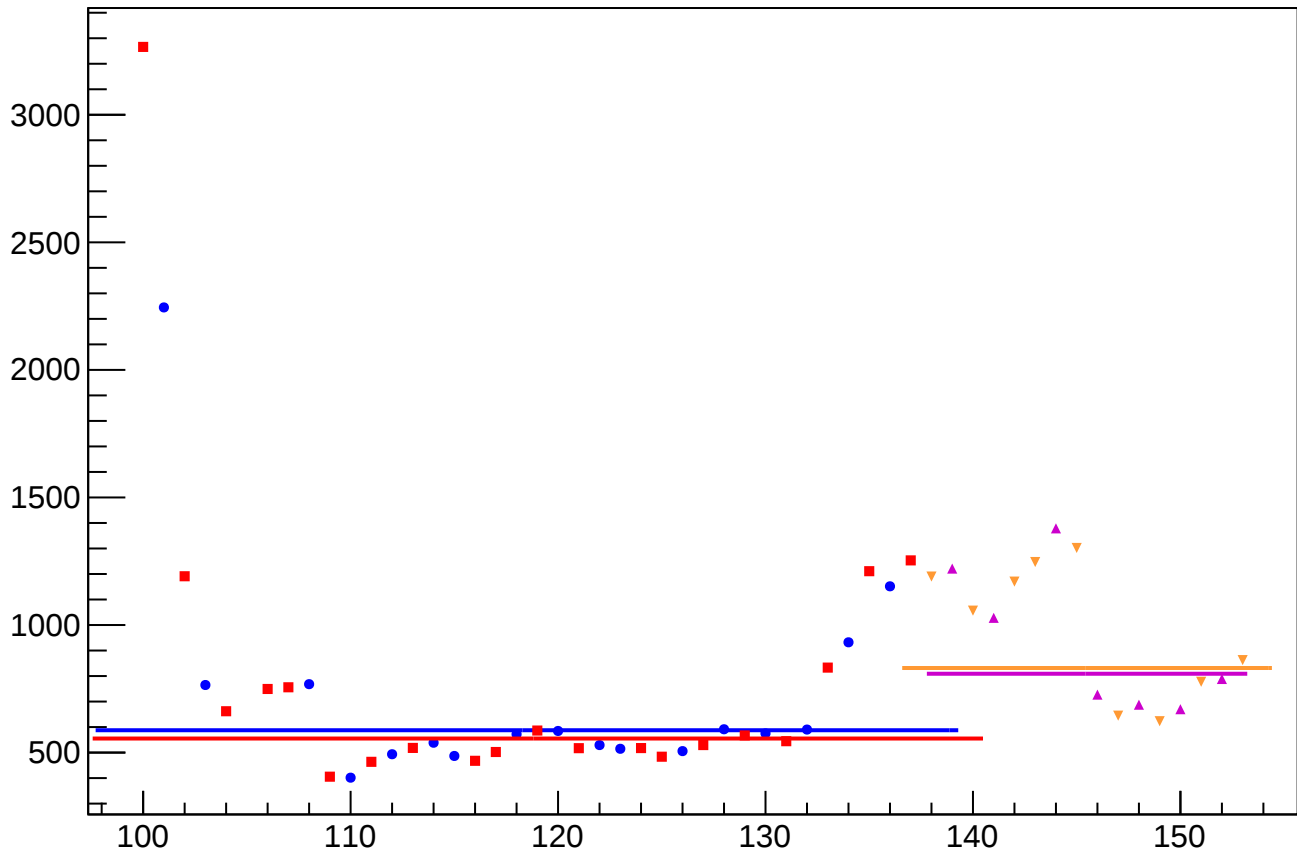
Right Out: -499.625 ± 220.558 χ^2/NDF : 11.9/19

Left In: -147.407 ± 349.458 χ^2/NDF : 3.0/6

-252.589 ± 196.819 χ^2/NDF : 44.0/25

-399.289 ± 186.516 χ^2/NDF : 15.7/26

asym_atr1_correction_rms vs Slug



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

Left Out: 831.530+/-0.240 χ^2/NDF : 924253.1/8

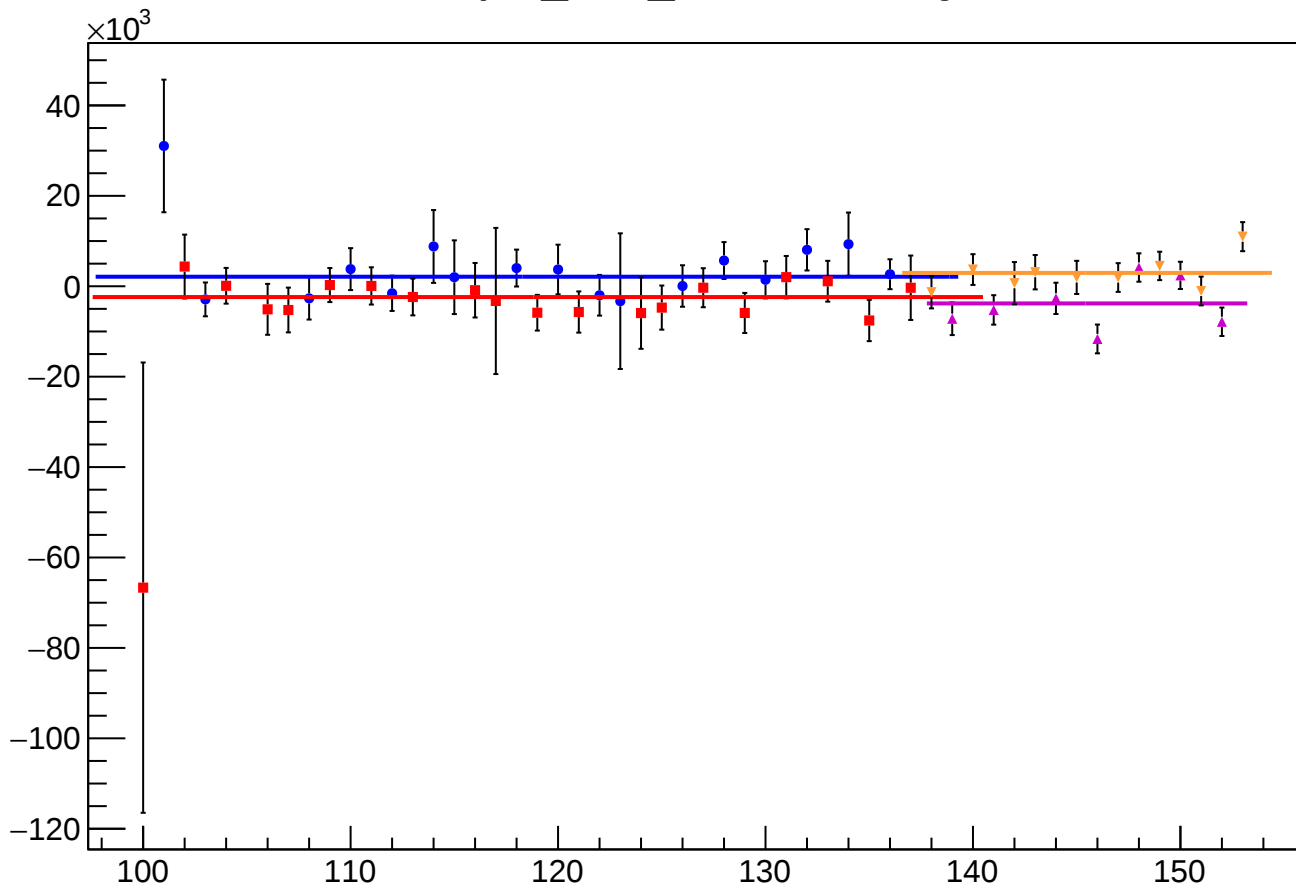
Right Out: 555.088+/-0.156 χ^2/NDF : 1107729.2/19

Left In: 808.999+/-0.247 χ^2/NDF : 673890.3/6

669.747+/-0.139 χ^2/NDF : 3036205.4/25

627.419+/-0.132 χ^2/NDF : 2536692.6/26

asym_atr1_mean vs Slug



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

Left Out: 2954.292 ± 1154.674 χ^2/NDF : 9.9/8

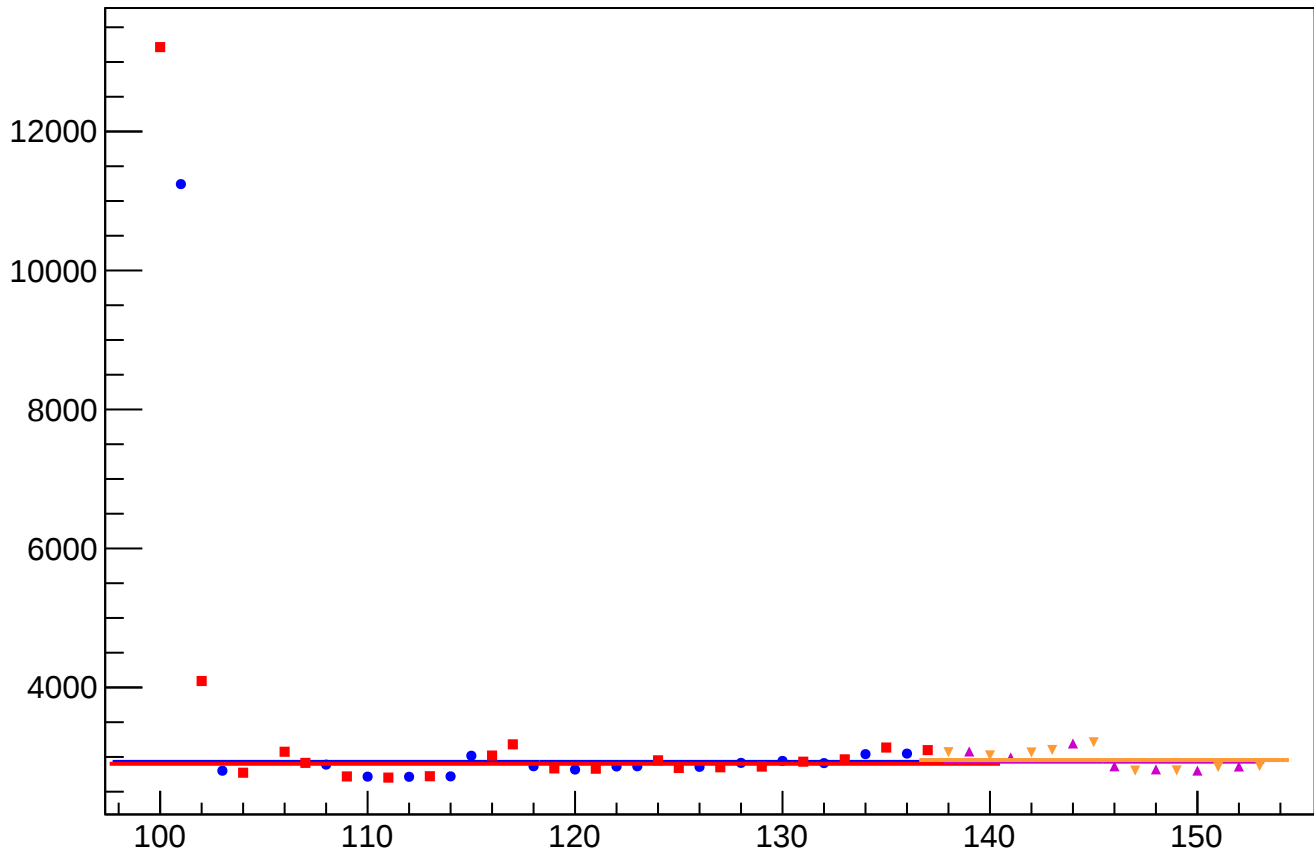
Right Out: -2389.947 ± 1107.639 χ^2/NDF : 9.9/19

Left In: -3798.033 ± 1225.747 χ^2/NDF : 19.6/6

2534.919 ± 819.873 χ^2/NDF : 23.7/25

-3022.899 ± 821.811 χ^2/NDF : 30.2/26

asym_atr1_rms vs Slug



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

Left Out: 2955.469+/-0.816 χ^2/NDF : 29061.3/8

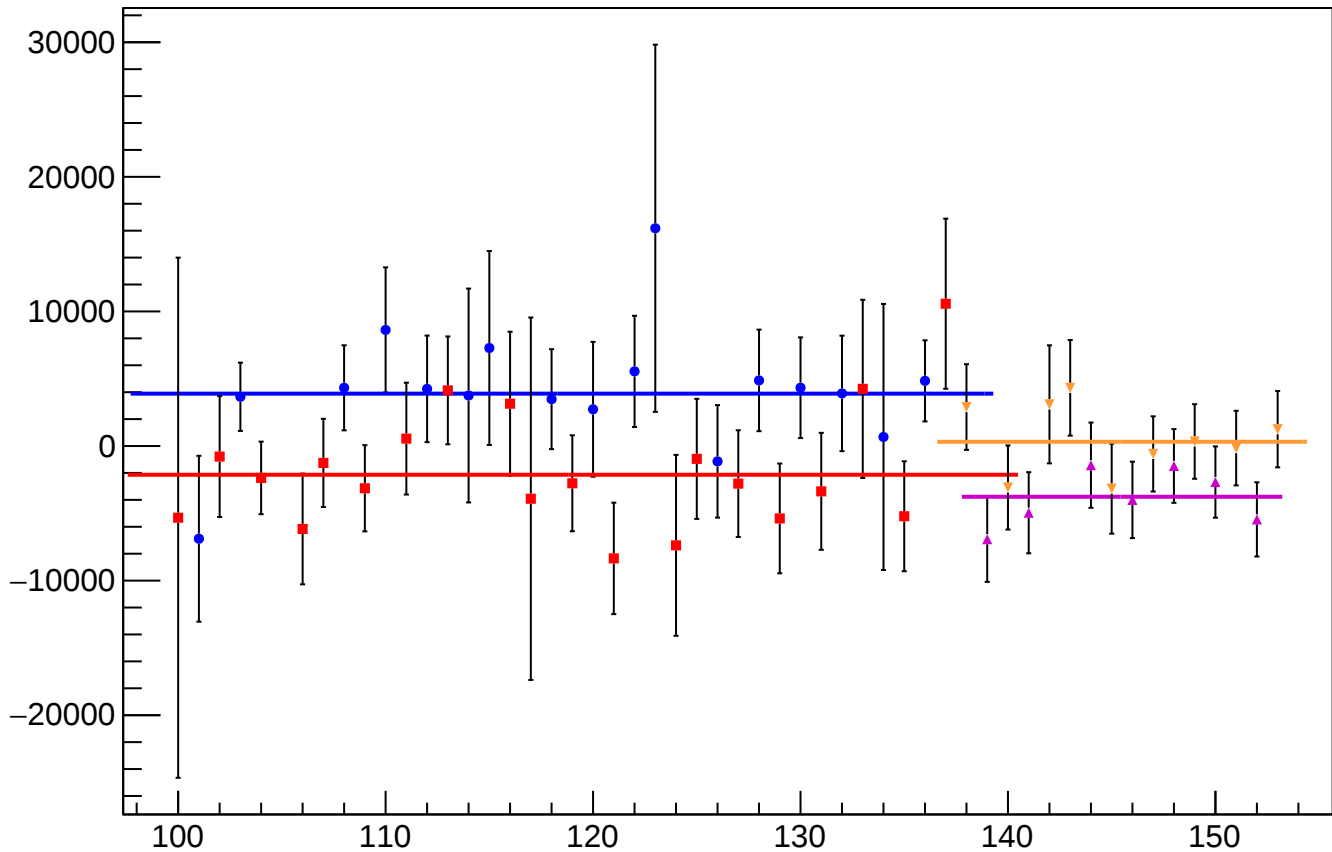
2942.196+/-0.580 χ^2/NDF : 691957.1/25

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

2915.364+/-0.581 χ^2/NDF : 194385.8/26

Left In: 2931.988+/-0.867 χ^2/NDF : 23396.7/6

reg_asym_atr2_mean vs Slug



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

Left Out: 315.620 $\pm$ 1034.278 χ^2 /NDF: 4.8/8

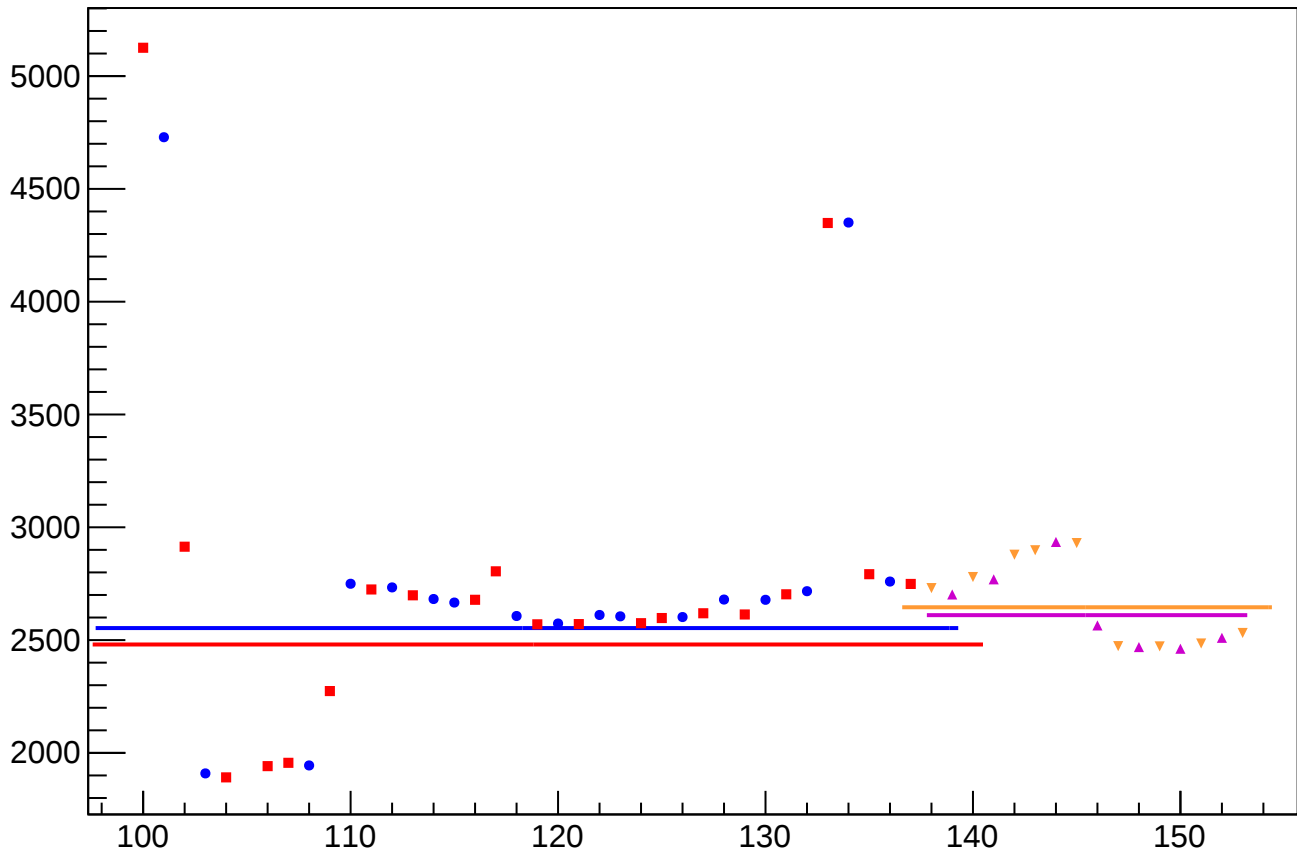
Right Out: -2133.736 $\pm$ 955.999 χ^2 /NDF: 14.4/19

Left In: -3769.757 $\pm$ 1090.622 χ^2 /NDF: 2.9/6

2143.497 $\pm$ 723.237 χ^2 /NDF: 18.1/25

-2844.596 $\pm$ 718.905 χ^2 /NDF: 18.6/26

reg_asym_atr2_rms vs Slug



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

Left Out: 2645.475+/-0.731 χ^2/NDF : 60742.9/8

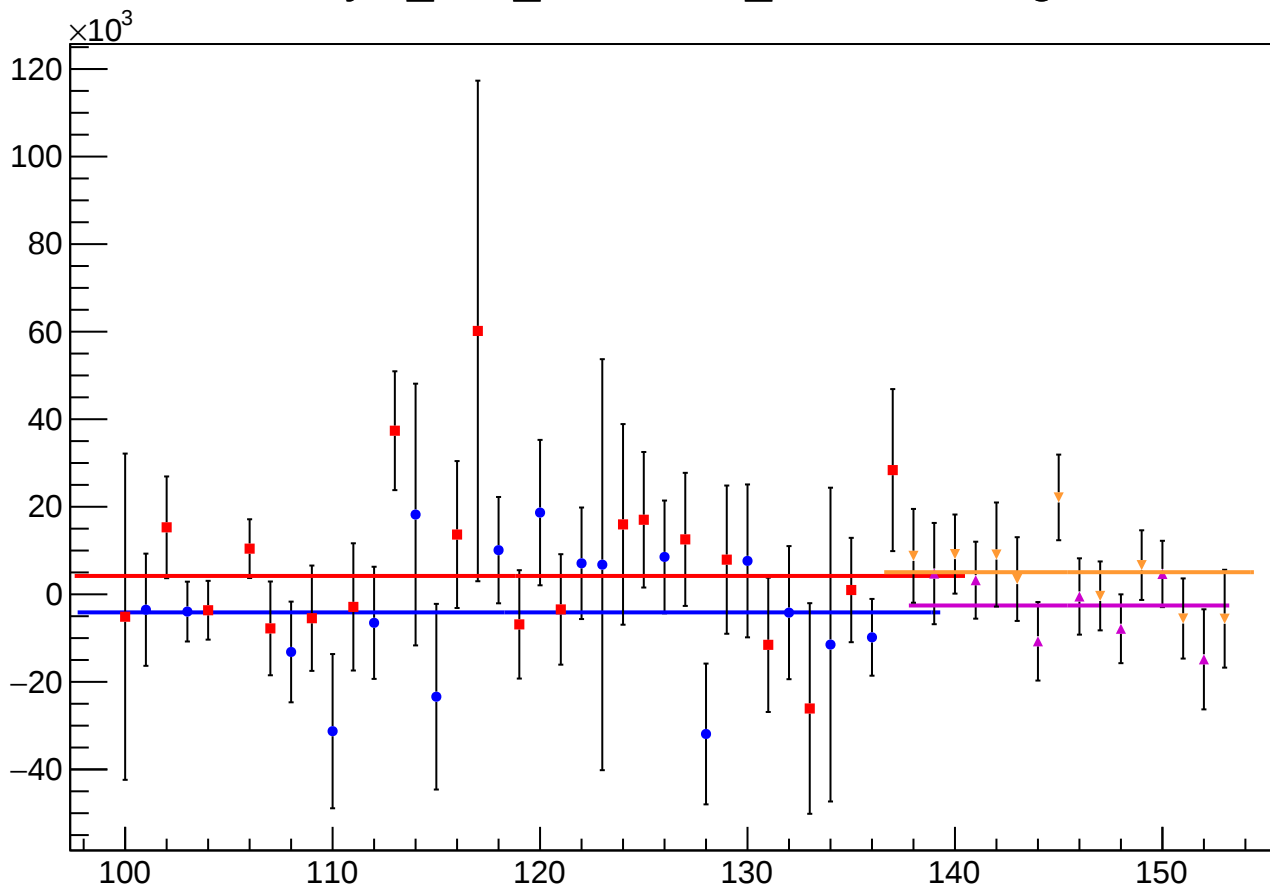
2598.361+/-0.511 χ^2/NDF : 614090.7/25

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

2537.004+/-0.508 χ^2/NDF : 509780.9/26

Left In: 2610.539+/-0.771 χ^2/NDF : 43033.8/6

asym_atr2_correction_mean vs Slug



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

Left Out: 5055.845 ± 3142.006 χ^2/NDF : 6.3/8

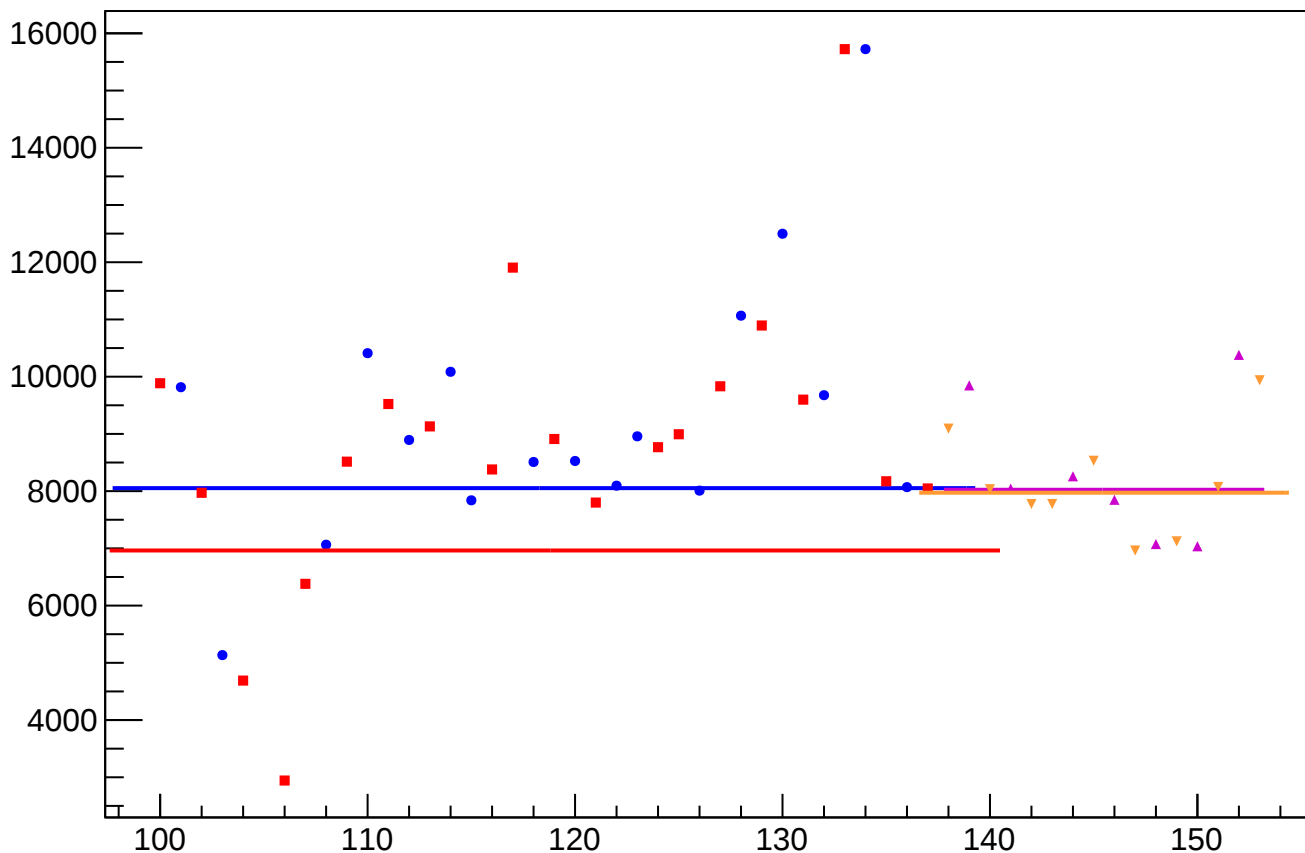
Right Out: 4197.870 ± 2830.850 χ^2/NDF : 19.5/19

Left In: -2551.284 ± 3385.167 χ^2/NDF : 4.2/6

587.338 ± 2251.197 χ^2/NDF : 23.8/25

1420.405 ± 2171.600 χ^2/NDF : 26.0/26

asym_atr2_correction_rms vs Slug



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

Left Out: 7972.507 ± 2.222 χ^2/NDF : 147703.5/8

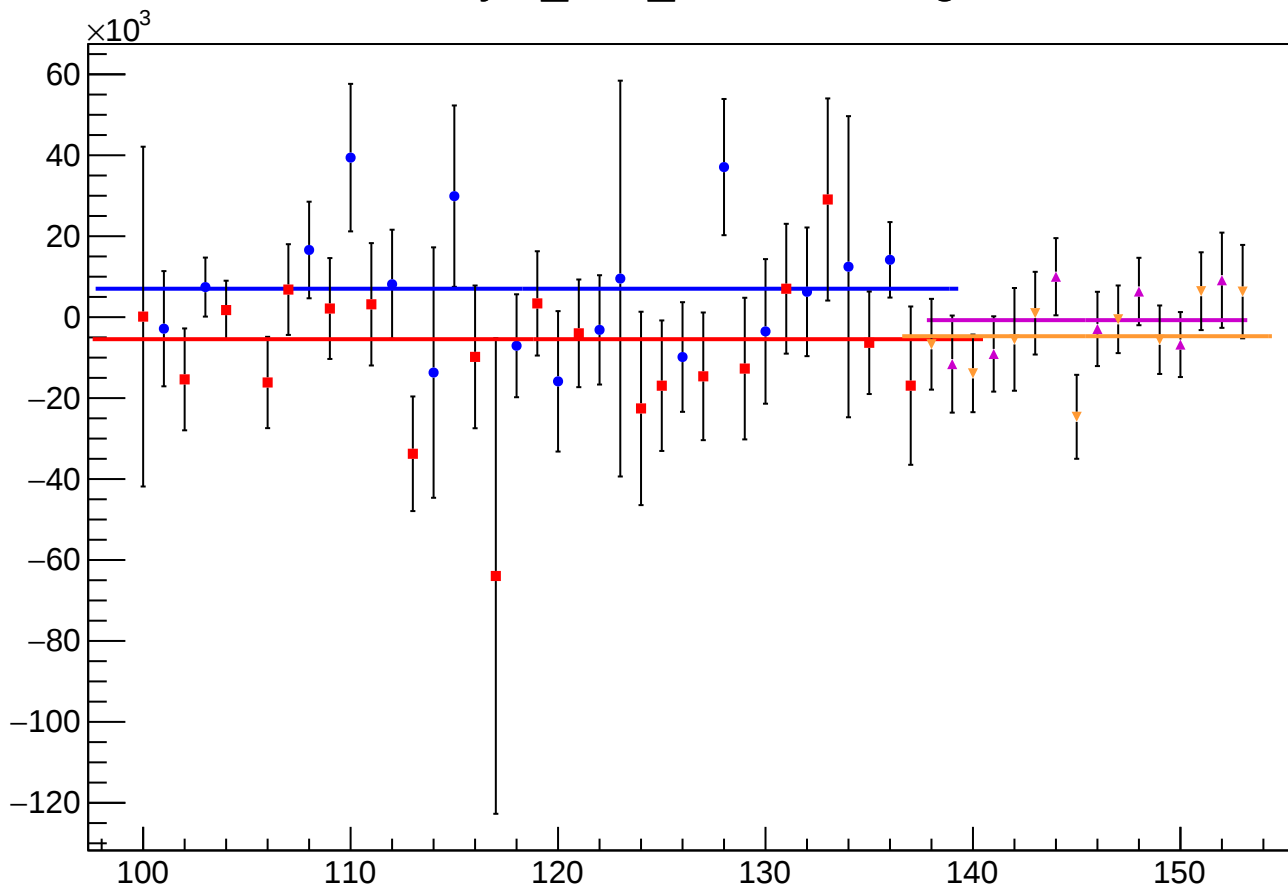
Right Out: 6963.091 ± 2.002 χ^2/NDF : 1791563.9/19

Left In: 8023.957 ± 2.394 χ^2/NDF : 200093.5/6

8011.461 ± 1.592 χ^2/NDF : 939059.3/25

7399.667 ± 1.536 χ^2/NDF : 2107246.6/26

asym_atr2_mean vs Slug



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

Left Out: -4706.995 ± 3323.834 χ^2/NDF : 7.5/8

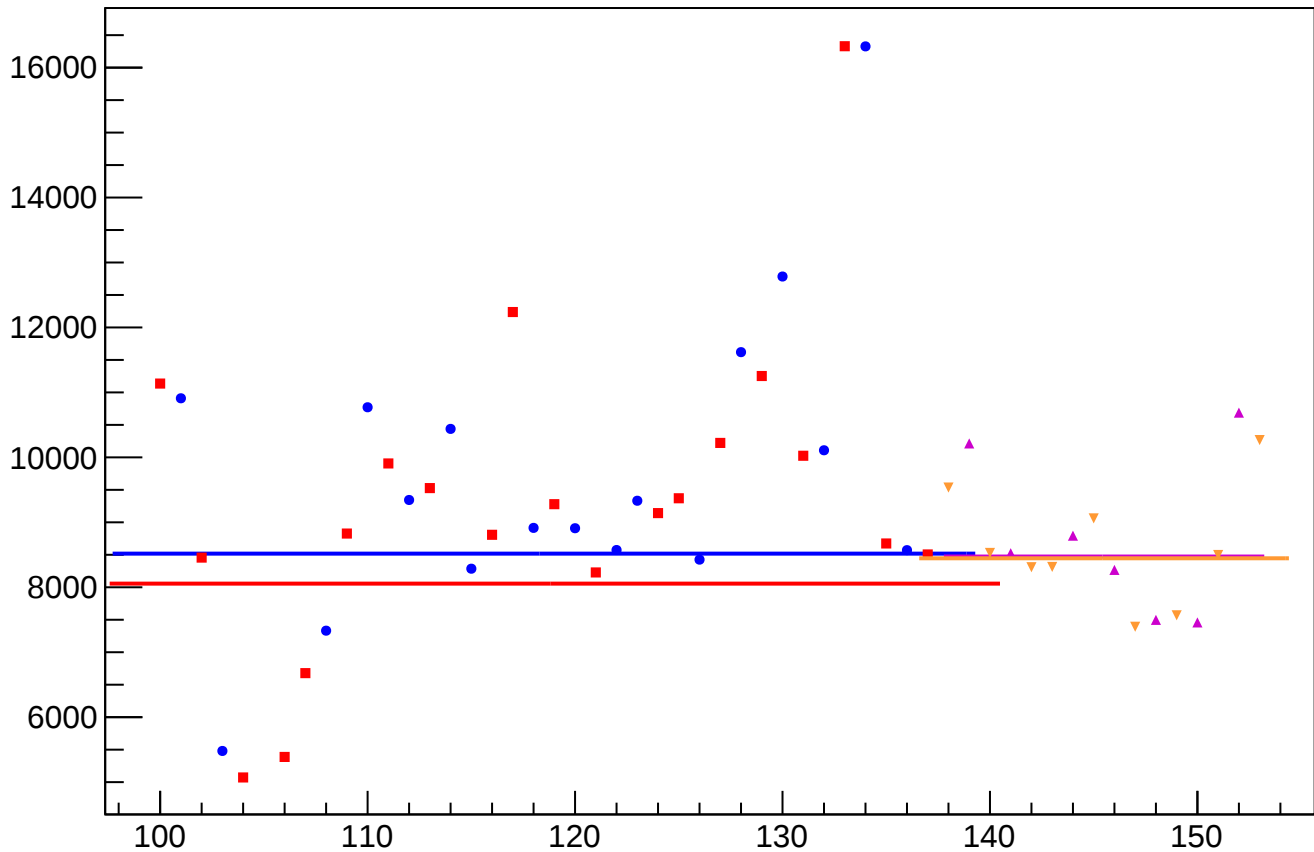
Right Out: -5441.890 ± 3163.600 χ^2/NDF : 14.3/19

Left In: -737.828 ± 3568.893 χ^2/NDF : 4.9/6

1009.978 ± 2380.012 χ^2/NDF : 28.6/25

-3372.019 ± 2367.384 χ^2/NDF : 20.3/26

asym_atr2_rms vs Slug



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

Left Out: 8446.225+/-2.350 χ^2/NDF :129752.2/8

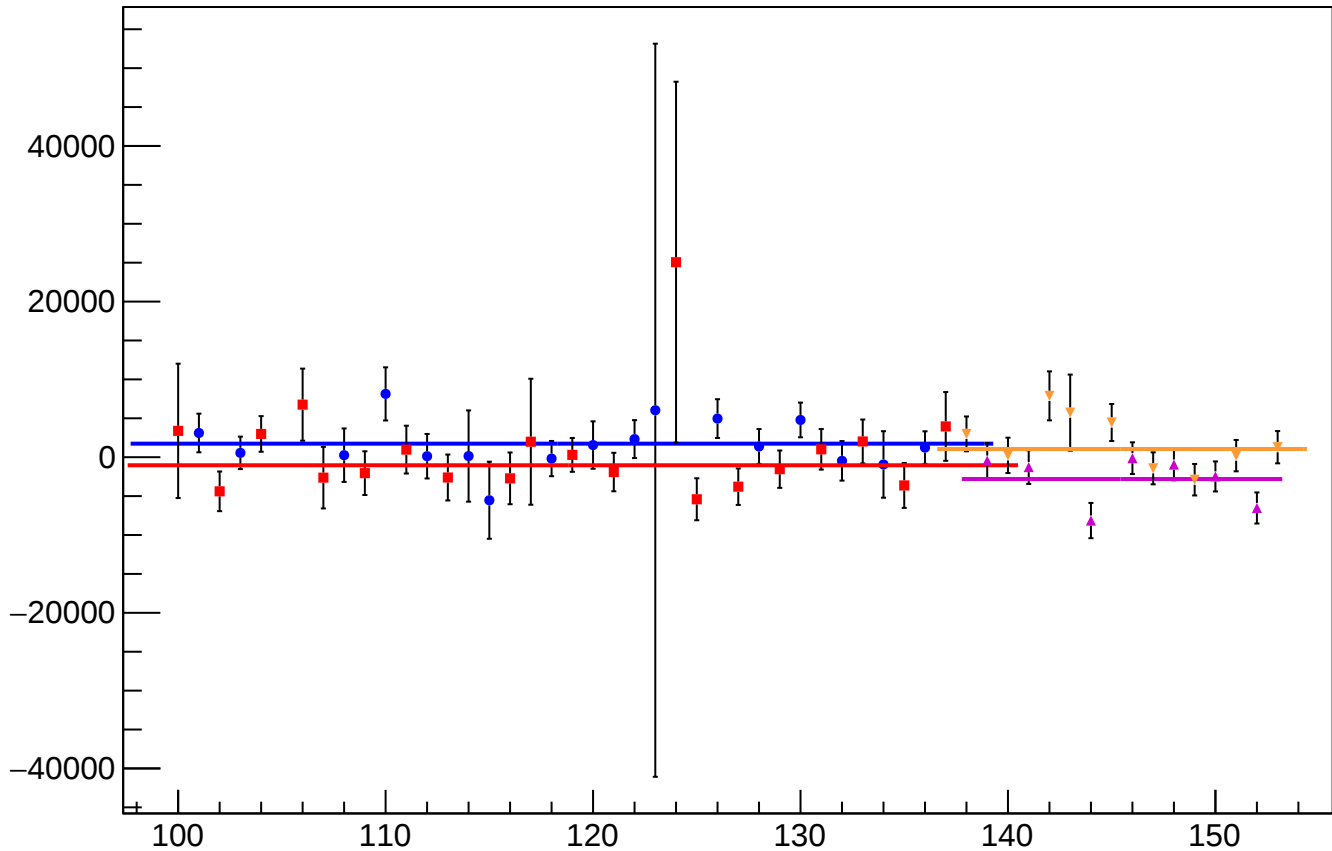
8481.144+/-1.683 χ^2/NDF : 893486.6/25

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

8239.647+/-1.674 χ^2/NDF : 1153277.5/26

Left In: 8473.185+/-2.524 χ^2/NDF :175701.9/6

reg_asym_atl_avg_mean vs Slug



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

Left Out: 1055.481 $\pm$ 772.791 χ^2 /NDF:14.0/8

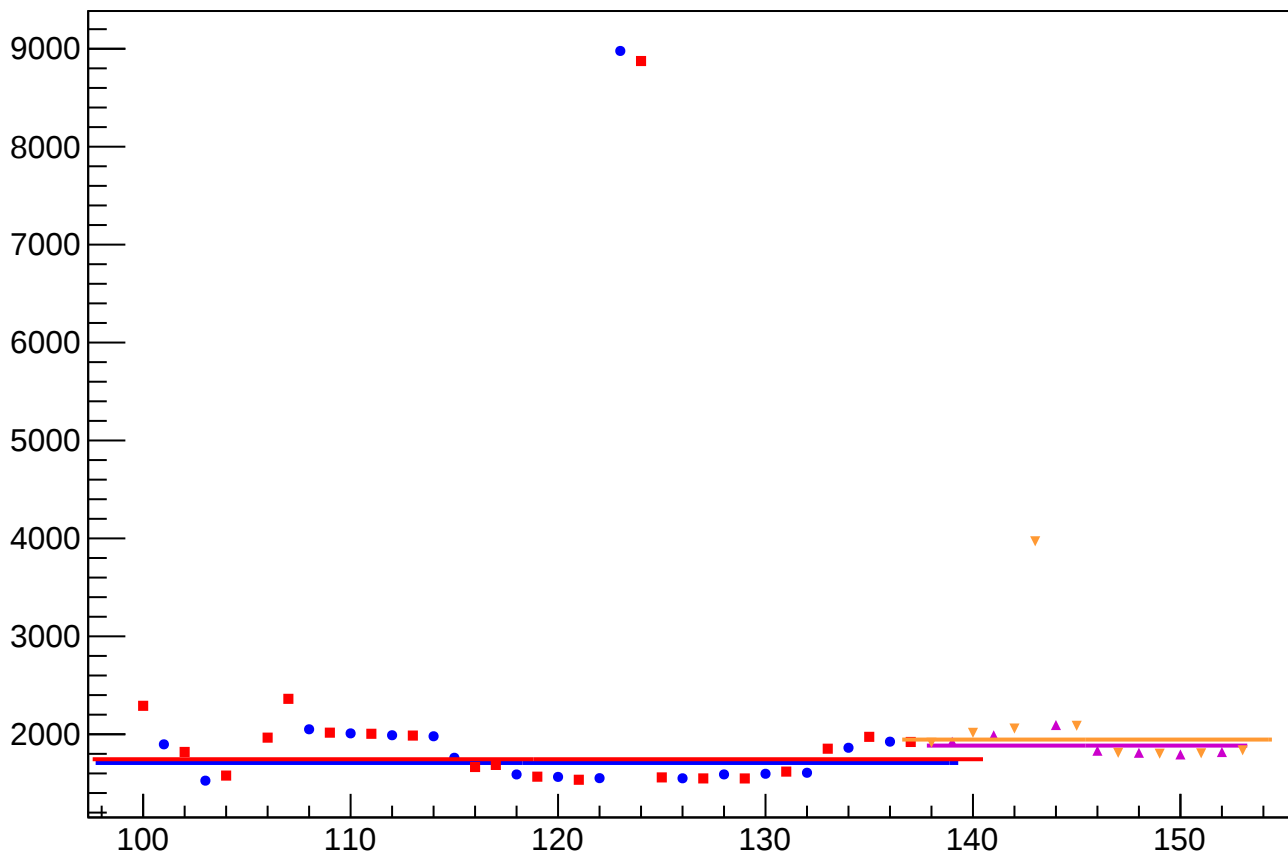
Right Out: -1034.828 $\pm$ 668.692 χ^2 /NDF: 19.0/19

Left In: -2805.346 $\pm$ 789.054 χ^2 /NDF:13.2/6

1445.859 $\pm$ 506.402 χ^2 /NDF: 26.9/25

-1774.889 $\pm$ 510.141 χ^2 /NDF: 35.1/26

reg_asym_atl_avg_rms vs Slug



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

Left Out: 1945.799+/-0.546 χ^2/NDF : 389228.7/8

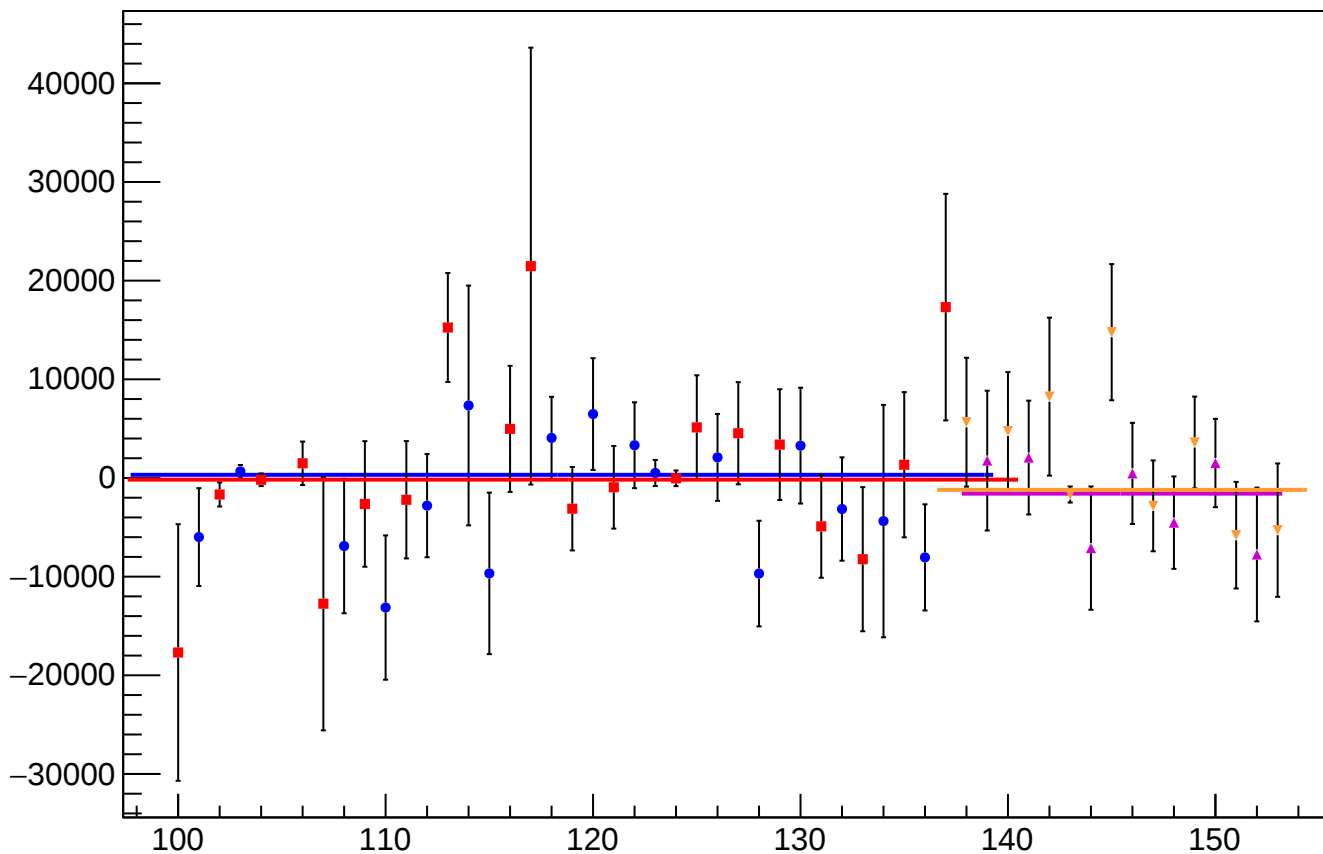
Right Out: 1745.037+/-0.471 χ^2/NDF : 399916.1/19

Left In: 1884.225+/-0.558 χ^2/NDF : 32993.2/6

1809.465+/-0.358 χ^2/NDF : 695873.2/25

1802.917+/-0.360 χ^2/NDF : 469263.5/26

asym_atl_avg_correction_mean vs Slug



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

Left Out: -1204.161 $\pm$ 757.160 χ^2 /NDF: 11.5/8

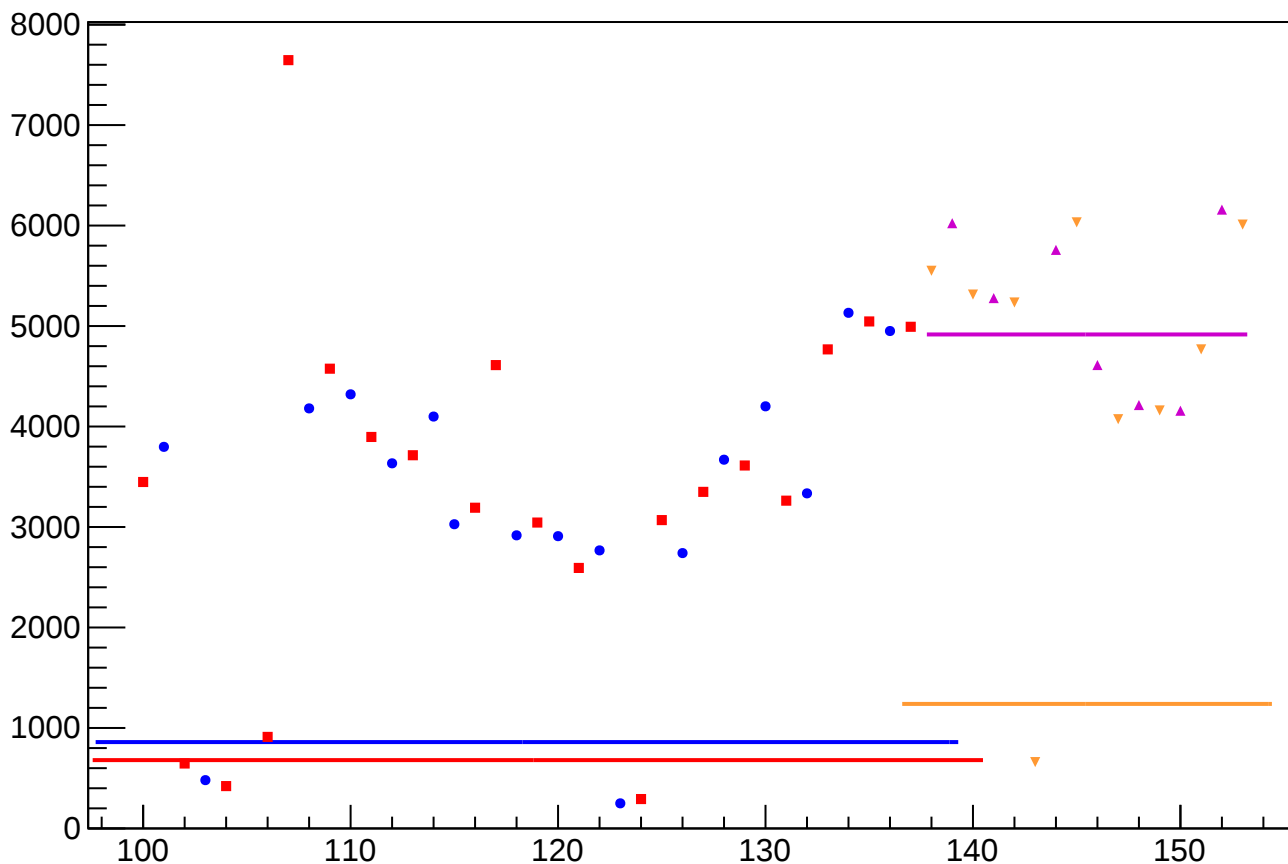
Right Out: -168.343 $\pm$ 433.469 χ^2 /NDF: 21.7/19

Left In: -1587.050 $\pm$ 2080.831 χ^2 /NDF: 3.3/6

-193.763 $\pm$ 439.851 χ^2 /NDF: 32.2/25

-227.348 $\pm$ 424.359 χ^2 /NDF: 25.4/26

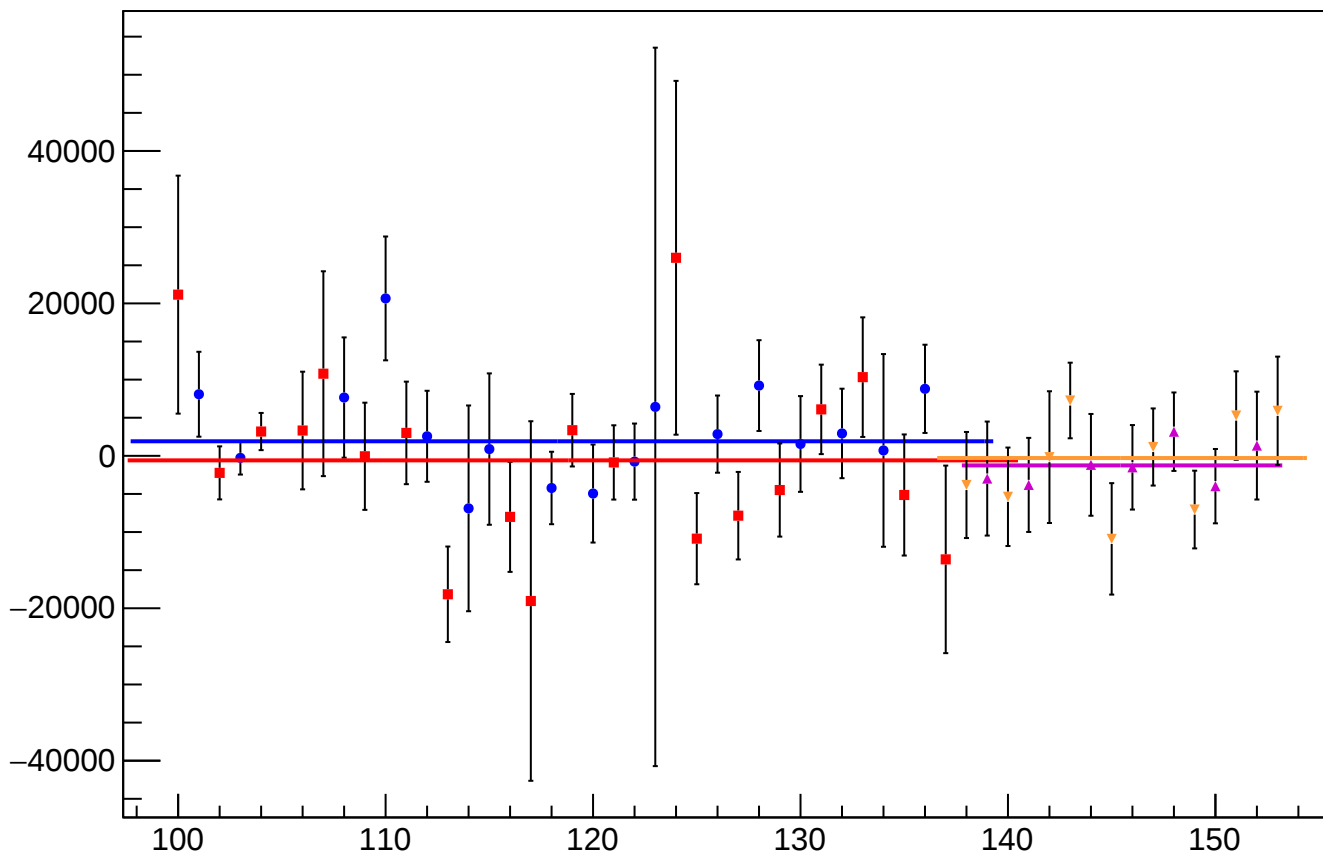
asym_atl_avg_correction_rms vs Slug



987.741 ± 0.311 $\chi^2/\text{NDF}: 16147665.7/25$

856.293 ± 0.300 $\chi^2/\text{NDF}: 16661754.8/26$

asym_atl_avg_mean vs Slug



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

Left Out: -289.171+/-2022.982 χ^2/NDF : 8.8/8

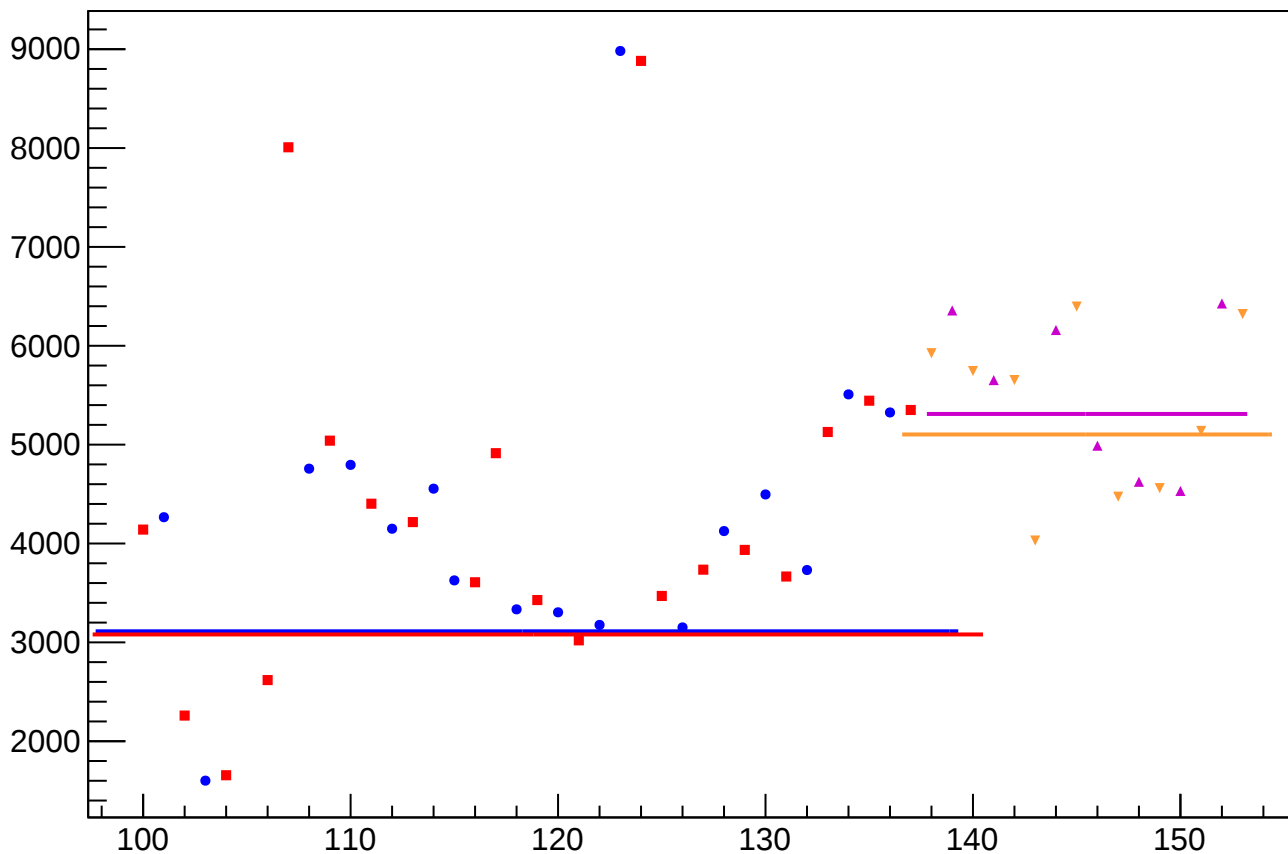
Right Out: -594.380+/-1283.911 χ^2/NDF : 27.0/19

Left In: -1256.352+/-2242.438 χ^2/NDF : 1.4/6

1259.657+/-1099.716 χ^2/NDF : 24.3/25

-757.810+/-1114.208 χ^2/NDF : 28.5/26

asym_atl_avg_rms vs Slug



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

Left Out: 5102.886+/-1.430 χ^2/NDF : 324260.9/8

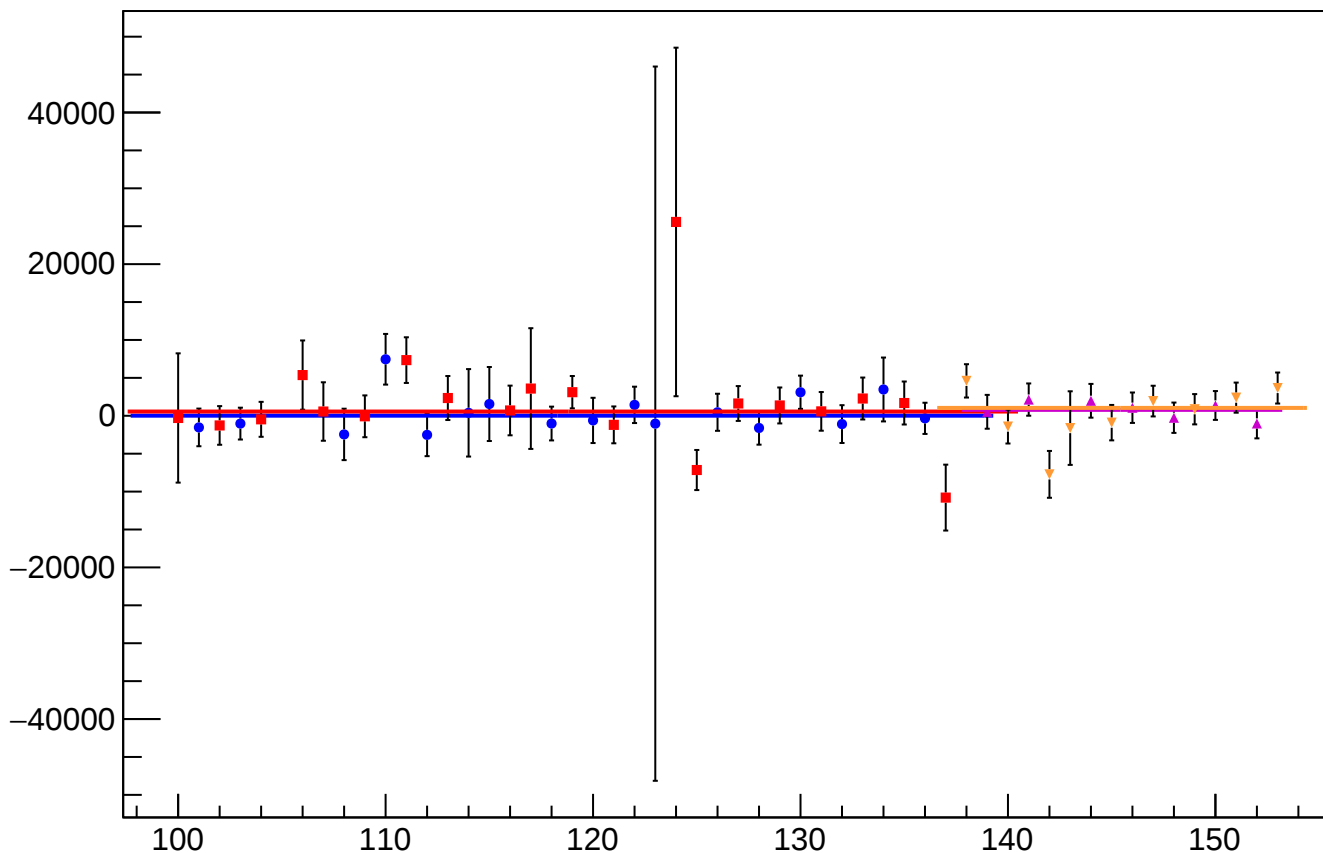
Right Out: 3080.063+/-0.895 χ^2/NDF : 2017746.3/19

Left In: 5310.367+/-1.586 χ^2/NDF : 220832.0/6

3700.205+/-0.778 χ^2/NDF : 3568683.6/25

3618.724+/-0.779 χ^2/NDF : 3739168.2/26

reg_asym_atl_dd_mean vs Slug



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

Left Out: 1038.303+/-761.200 χ^2/NDF : 15.2/8

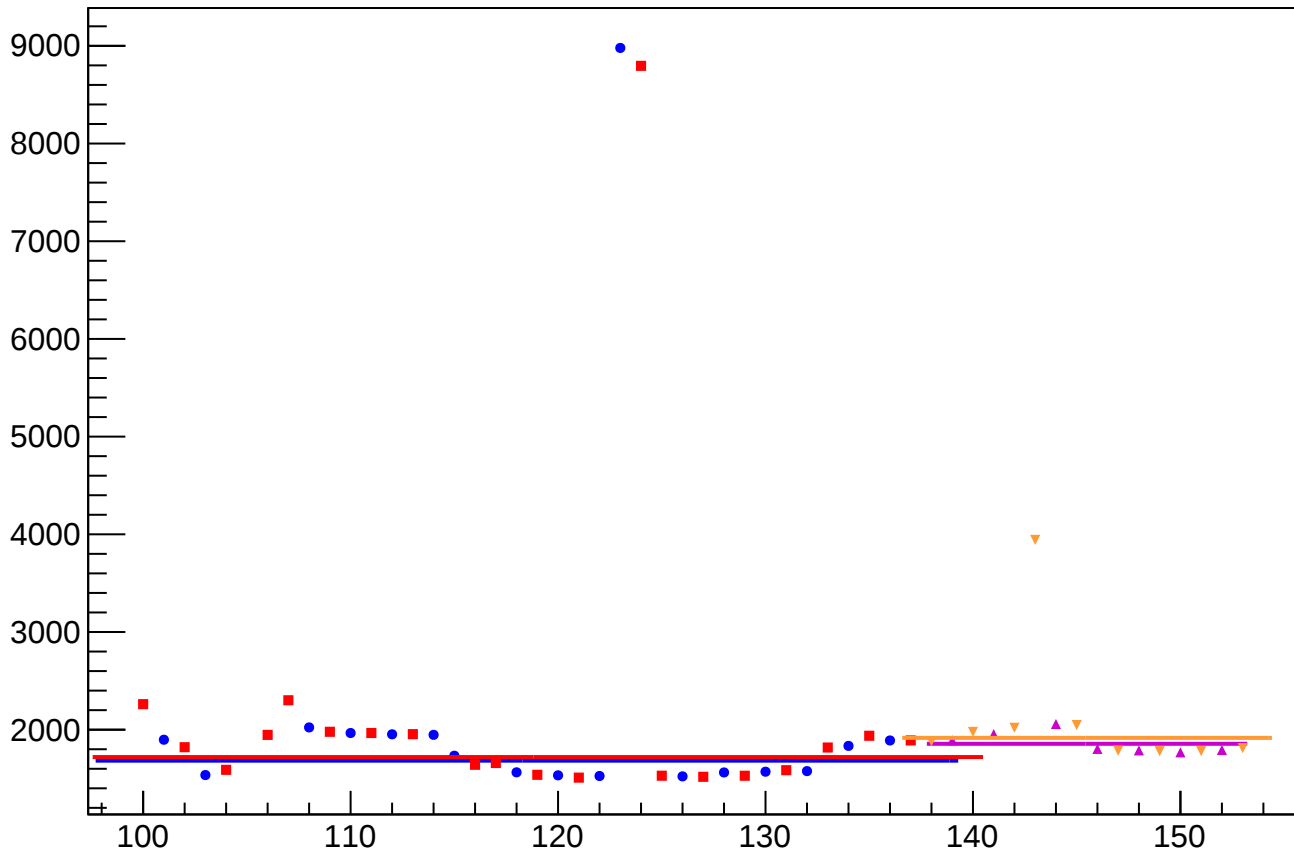
Right Out: 558.377+/-658.875 χ^2/NDF : 26.8/19

Left In: 779.138+/-777.038 χ^2/NDF : 1.9/6

454.485+/-499.134 χ^2/NDF : 27.4/25

650.713+/-502.536 χ^2/NDF : 28.8/26

reg_asym_atl_dd_rms vs Slug



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

Left Out: 1916.314+/-0.538 χ^2/NDF : 391567.8/8

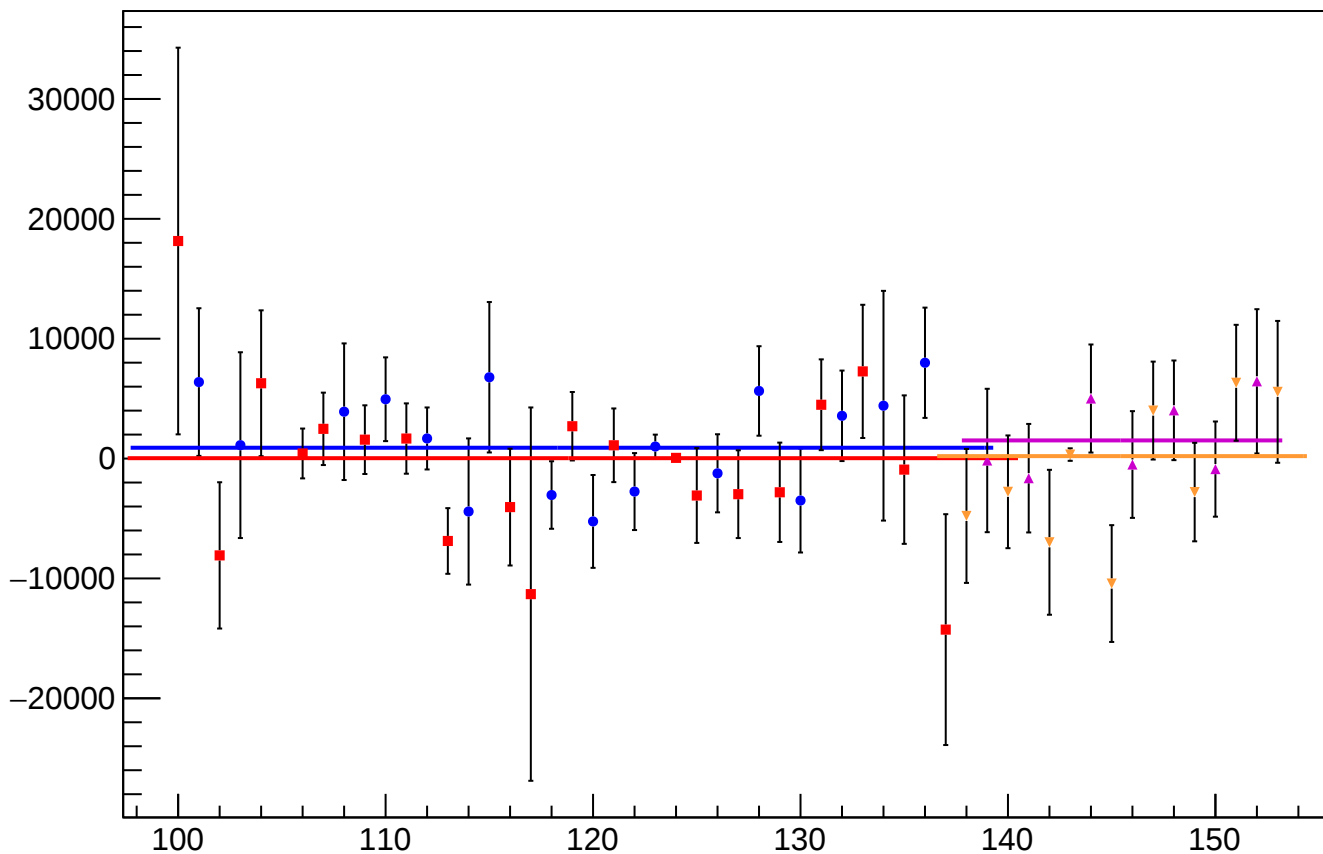
Right Out: 1719.963+/-0.464 χ^2/NDF : 396217.5/19

Left In: 1855.682+/-0.549 χ^2/NDF : 31333.9/6

1783.465+/-0.353 χ^2/NDF : 694329.6/25

1776.445+/-0.354 χ^2/NDF : 463173.0/26

asym_atl_dd_correction_mean vs Slug



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

Left Out: 203.429+/-499.967 χ^2/NDF : 11.3/8

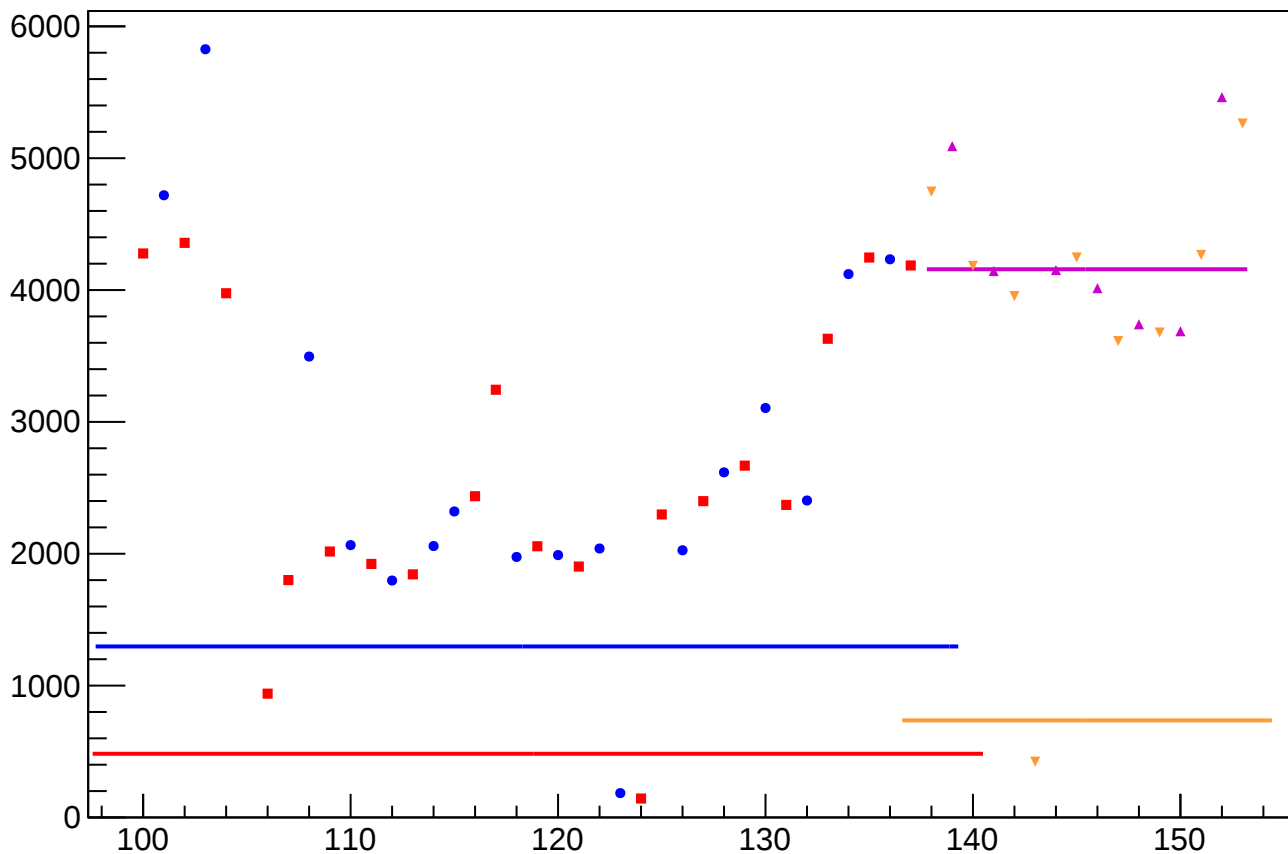
Right Out: 32.177+/-357.083 χ^2/NDF : 21.0/19

Left In: 1514.009+/-1753.129 χ^2/NDF : 2.8/6

437.393+/-407.933 χ^2/NDF : 27.9/25

91.204+/-349.898 χ^2/NDF : 24.5/26

asym_atl_dd_correction_rms vs Slug



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

Left Out: 736.243+/-0.354 χ^2/NDF : 8682447.8/8

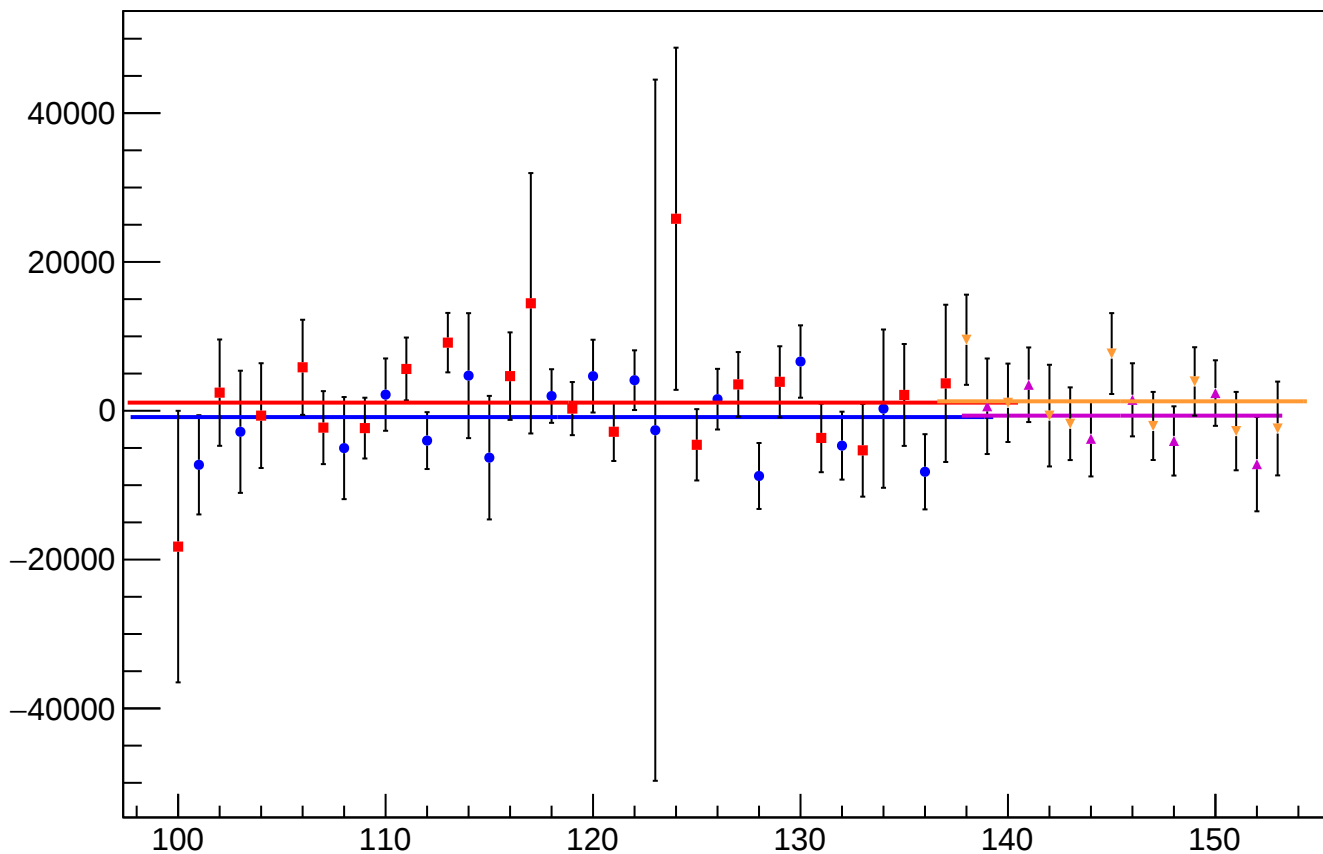
923.692+/-0.288 χ^2/NDF : 16033078.3/25

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

629.409+/-0.247 χ^2/NDF : 18837444.0/26

Left In: 4157.759+/-1.240 χ^2/NDF : 193167.8/6

asym_atl_dd_mean vs Slug



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

Left Out: 1269.539 ± 1776.947 χ^2/NDF : 5.5/8

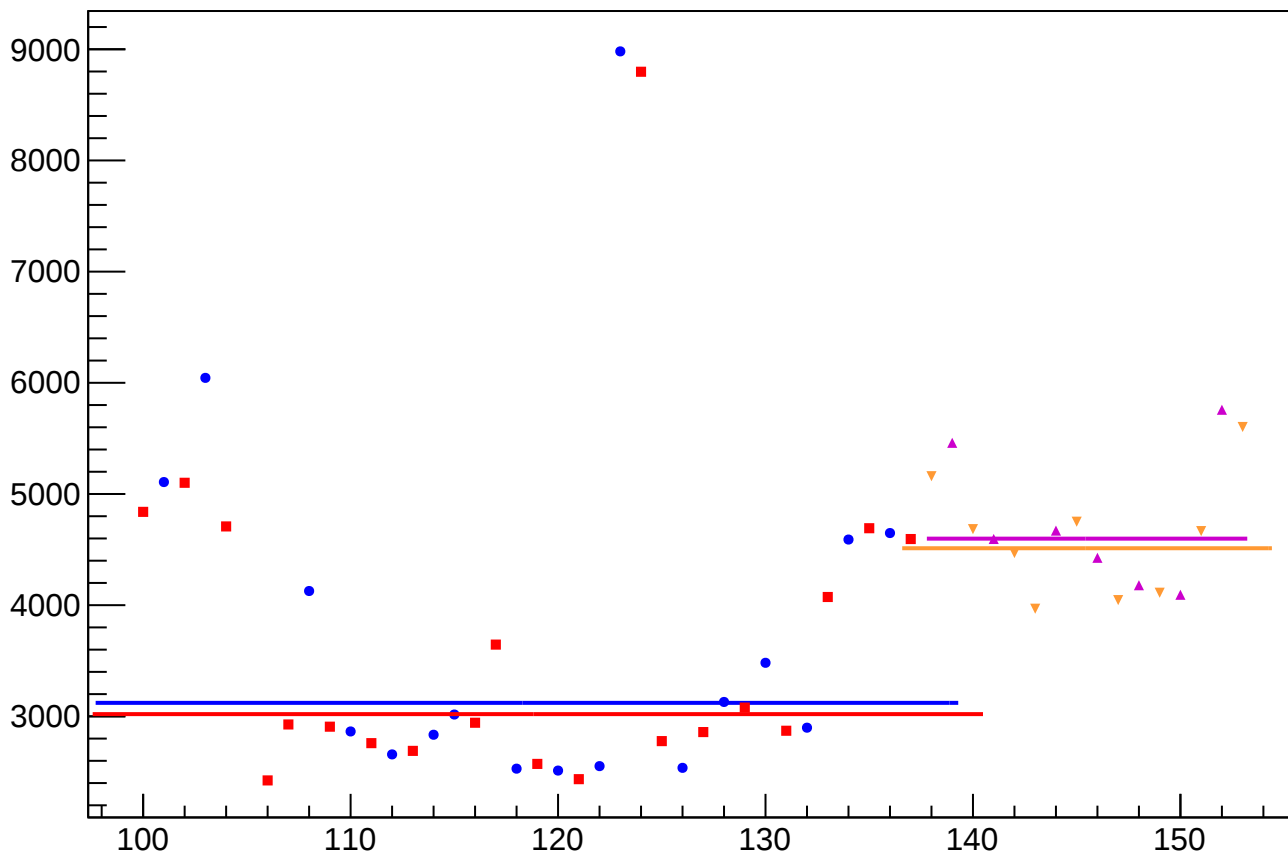
Right Out: 1095.033 ± 1187.966 χ^2/NDF : 15.6/19

Left In: -656.700 ± 1934.839 χ^2/NDF : 3.4/6

-139.672 ± 1028.385 χ^2/NDF : 21.9/25

615.455 ± 1012.372 χ^2/NDF : 19.5/26

asym_atl_dd_rms vs Slug



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

Left Out: 4512.027 ± 1.256 χ^2/NDF : 151234.2/8

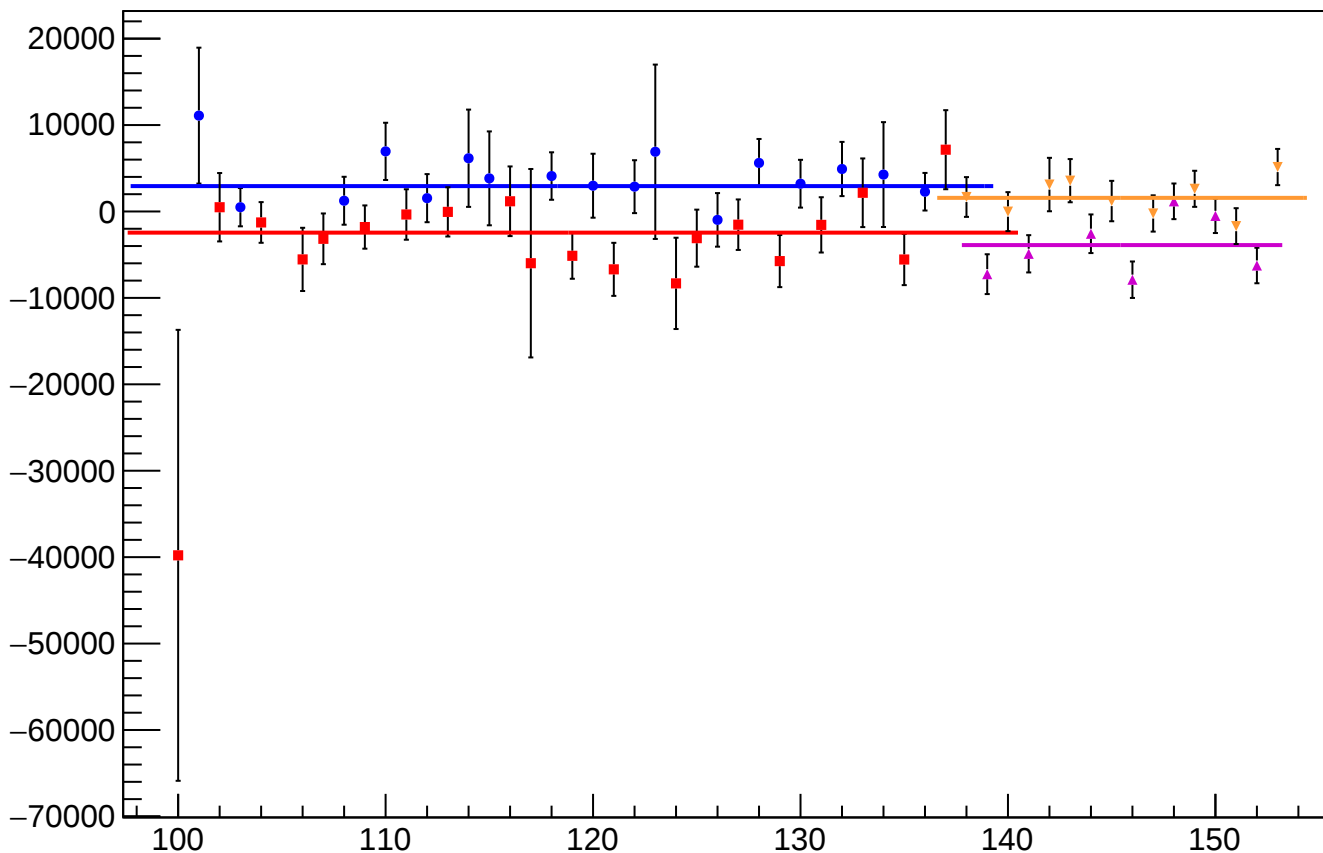
Right Out: 3020.039 ± 0.830 χ^2/NDF : 794563.8/19

Left In: 4598.359 ± 1.368 χ^2/NDF : 148309.1/6

3587.180 ± 0.727 χ^2/NDF : 1911564.7/25

3444.361 ± 0.709 χ^2/NDF : 1915934.4/26

reg_asym_atr_avg_mean vs Slug



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

Left Out: 1575.255+/-755.910 χ^2/NDF : 7.8/8

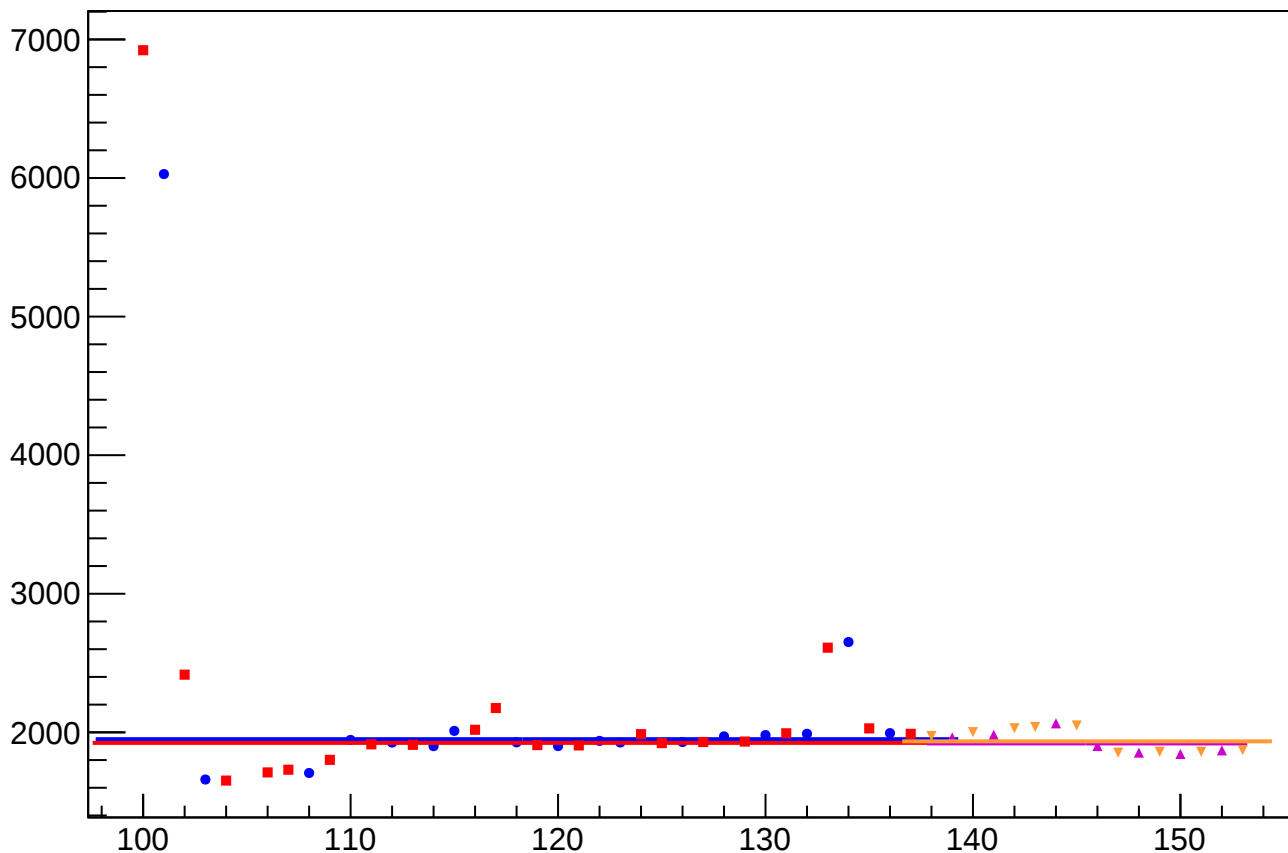
Right Out: -2449.072+/-738.715 χ^2/NDF : 18.3/19

Left In: -3888.916+/-802.009 χ^2/NDF : 16.6/6

2238.258+/-541.256 χ^2/NDF : 17.5/25

-3109.943+/-543.351 χ^2/NDF : 36.6/26

reg_asym_atr_avg_rms vs Slug



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

Left Out: 1935.059+/-0.535 χ^2/NDF : 22501.8/8

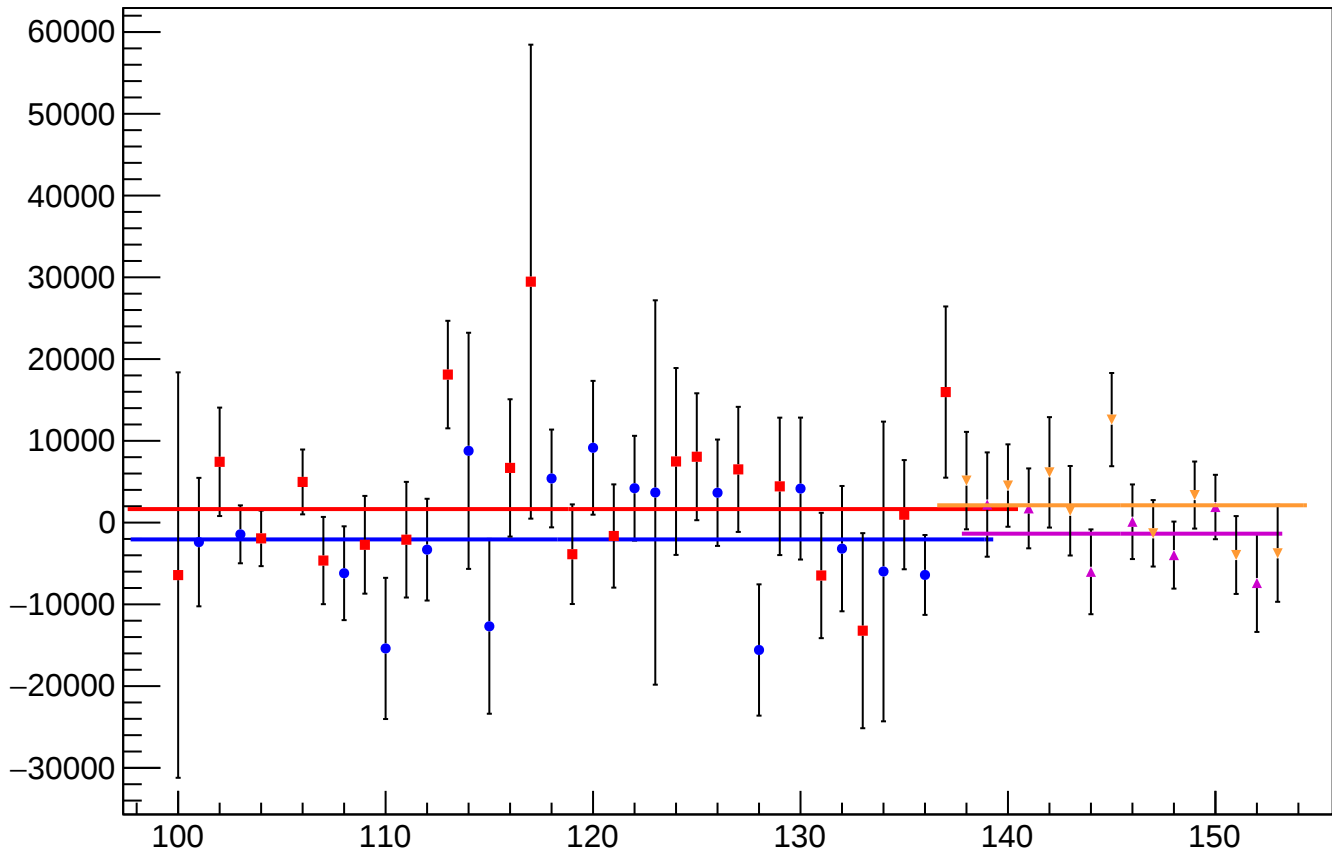
Right Out: 1923.907+/-0.521 χ^2/NDF : 218470.6/19

Left In: 1919.762+/-0.567 χ^2/NDF : 17109.1/6

1942.639+/-0.383 χ^2/NDF : 640246.7/25

1922.009+/-0.384 χ^2/NDF : 235608.7/26

asym_atr_avg_correction_mean vs Slug



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

Left Out: 2117.606 $\pm$ 1699.755 χ^2 /NDF: 7.7/8

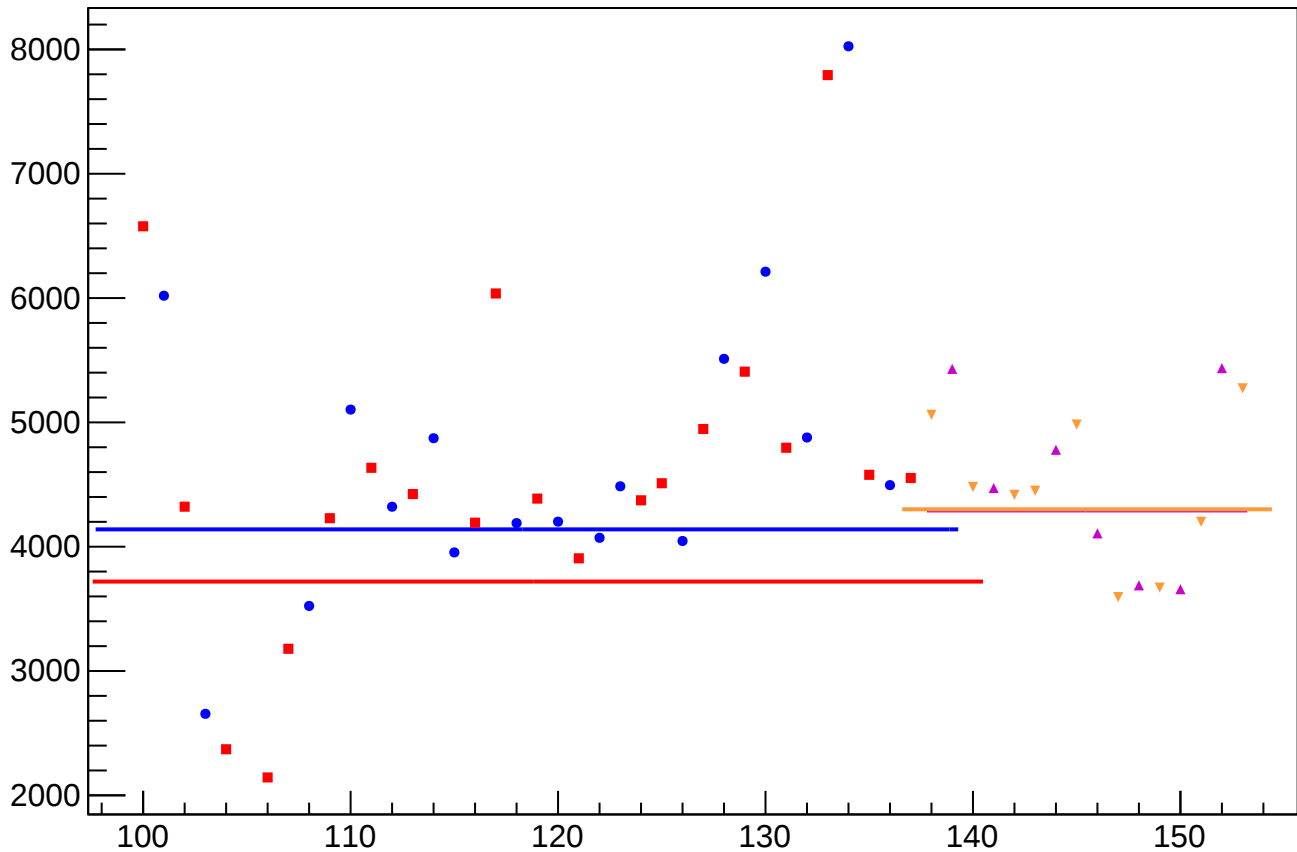
Right Out: 1652.978 $\pm$ 1475.490 χ^2 /NDF: 19.5/19

Left In: -1355.970 $\pm$ 1815.204 χ^2 /NDF: 3.7/6

-17.669 $\pm$ 1187.998 χ^2 /NDF: 24.7/25

455.857 $\pm$ 1144.952 χ^2 /NDF: 24.9/26

asym_atr_avg_correction_rms vs Slug



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

Left Out: 4300.952 ± 1.202 $\chi^2/\text{NDF}: 228071.6/8$

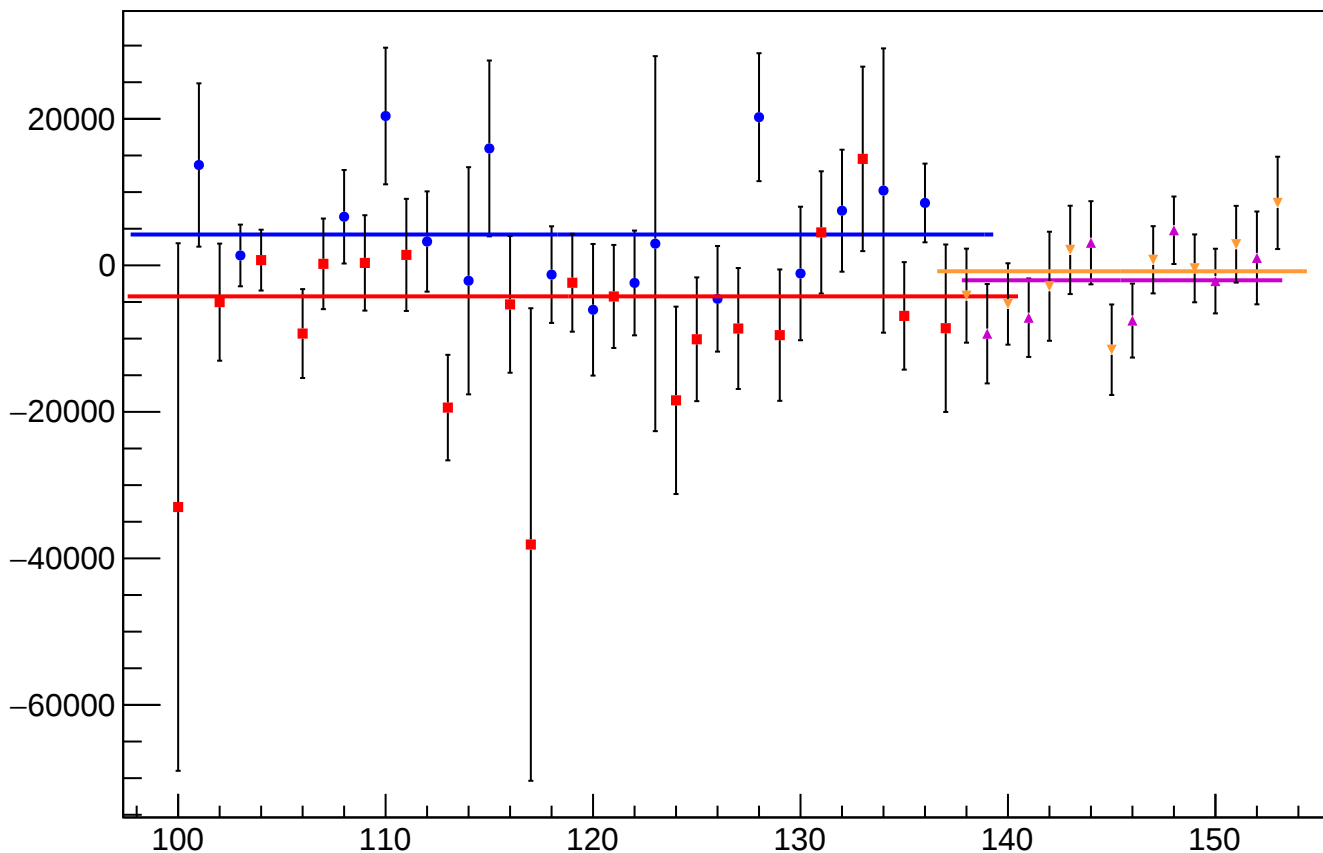
4218.314 ± 0.840 $\chi^2/\text{NDF}: 1050864.3/25$

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

3947.194 ± 0.810 $\chi^2/\text{NDF}: 1663842.4/26$

Left In: 4291.736 ± 1.284 $\chi^2/\text{NDF}: 255534.4/6$

asym_atr_avg_mean vs Slug



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

Left Out: -806.898+/-1875.972 χ^2/NDF : 7.0/8

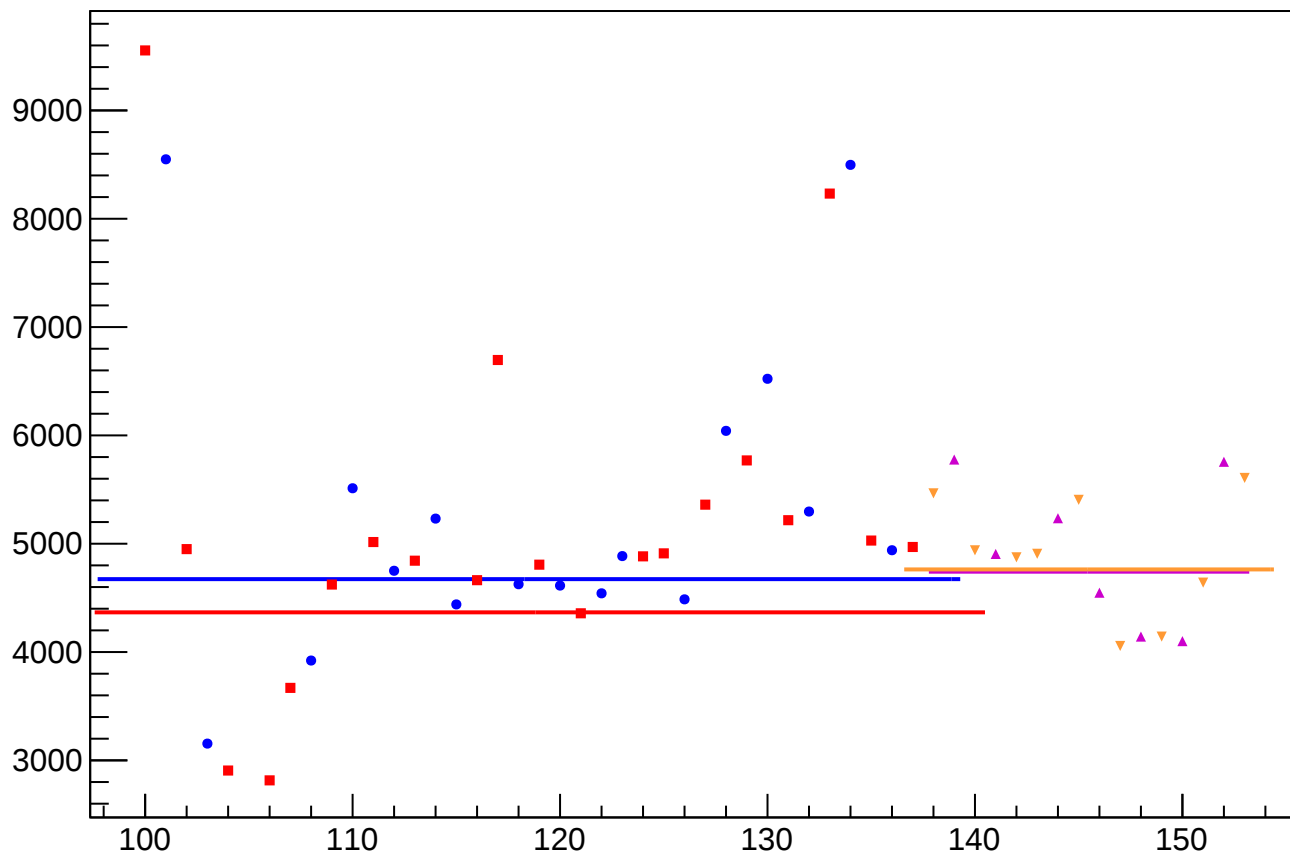
Right Out: -4230.596+/-1722.878 χ^2/NDF : 15.9/19

Left In: -2039.338+/-1998.959 χ^2/NDF : 6.5/6

1708.725+/-1324.859 χ^2/NDF : 25.0/25

-3296.622+/-1305.042 χ^2/NDF : 23.1/26

asym_atr_avg_rms vs Slug



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

Left Out: 4762.662+/-1.327 χ^2/NDF :169461.3/8

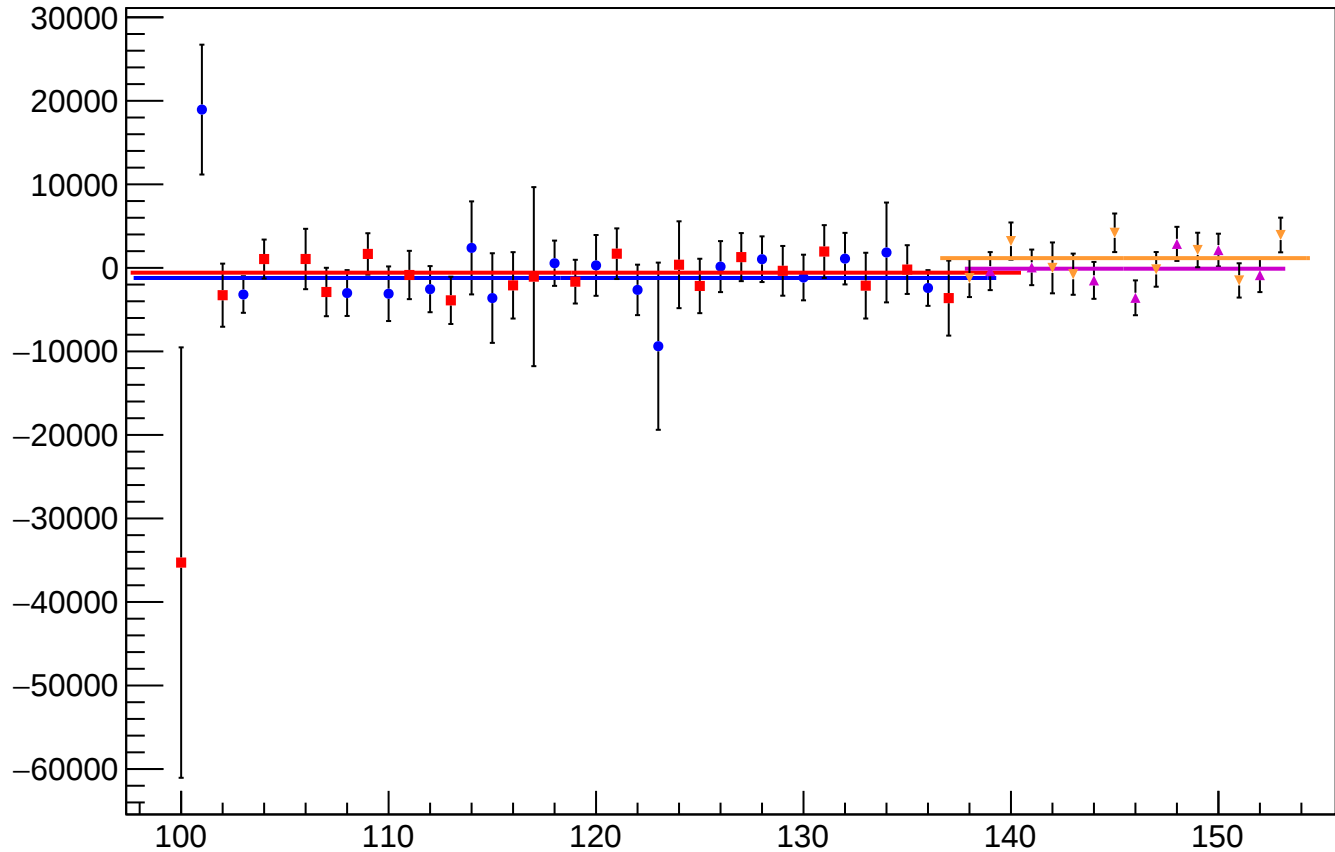
Right Out: 4366.422+/-1.211 χ^2/NDF : 842654.3/19

Left In: 4741.950+/-1.413 χ^2/NDF :193866.4/6

4717.742+/-0.937 χ^2/NDF : 949070.1/25

4525.423+/-0.920 χ^2/NDF : 1077219.1/26

reg_asym_atr_dd_mean vs Slug



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

Left Out: 1167.031 ± 747.080 $\chi^2/\text{NDF}: 8.5/8$

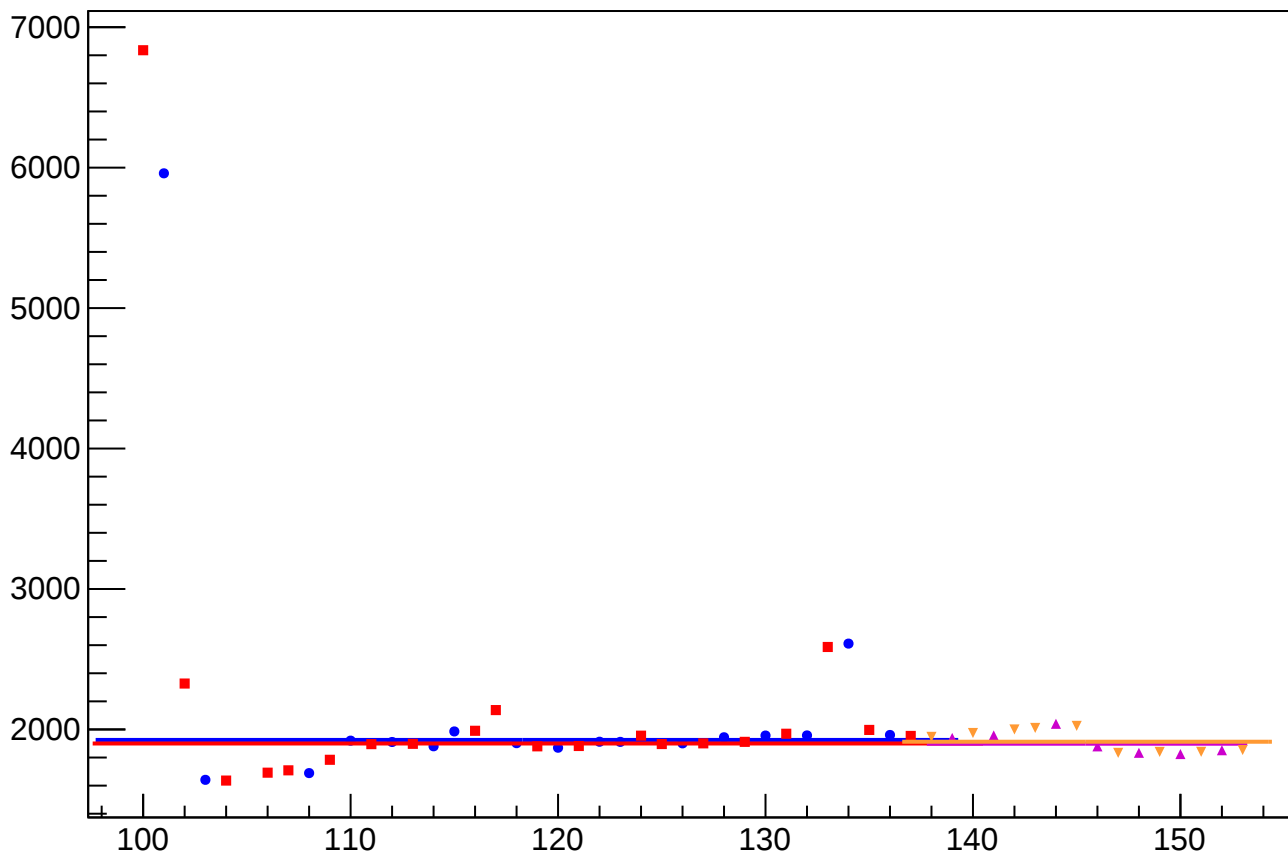
Right Out: -575.663 ± 728.976 $\chi^2/\text{NDF}: 8.7/19$

Left In: -99.747 ± 793.032 $\chi^2/\text{NDF}: 6.8/6$

6.565 ± 534.589 $\chi^2/\text{NDF}: 26.2/25$

-357.699 ± 536.683 $\chi^2/\text{NDF}: 15.7/26$

reg_asym_atr_dd_rms vs Slug



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

Left Out: 1912.523+/-0.528 χ^2/NDF : 21065.0/8

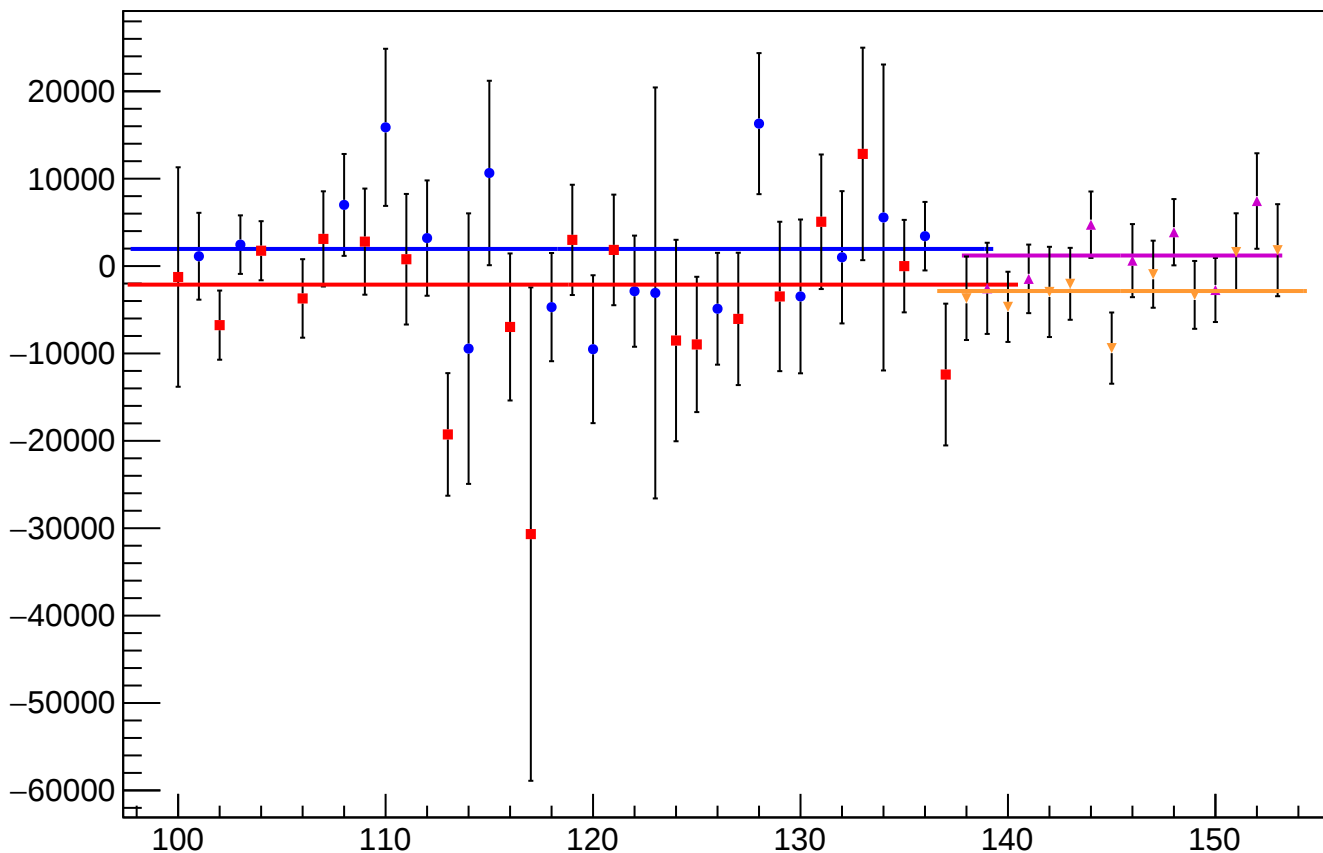
Right Out: 1899.955+/-0.514 χ^2/NDF : 211865.1/19

Left In: 1898.355+/-0.561 χ^2/NDF : 16446.8/6

1918.768+/-0.378 χ^2/NDF : 637215.0/25

1899.224+/-0.379 χ^2/NDF : 228316.3/26

asym_atr_dd_correction_mean vs Slug



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

Left Out: -2857.176 $\pm$ 1437.929 χ^2 /NDF: 4.9/8

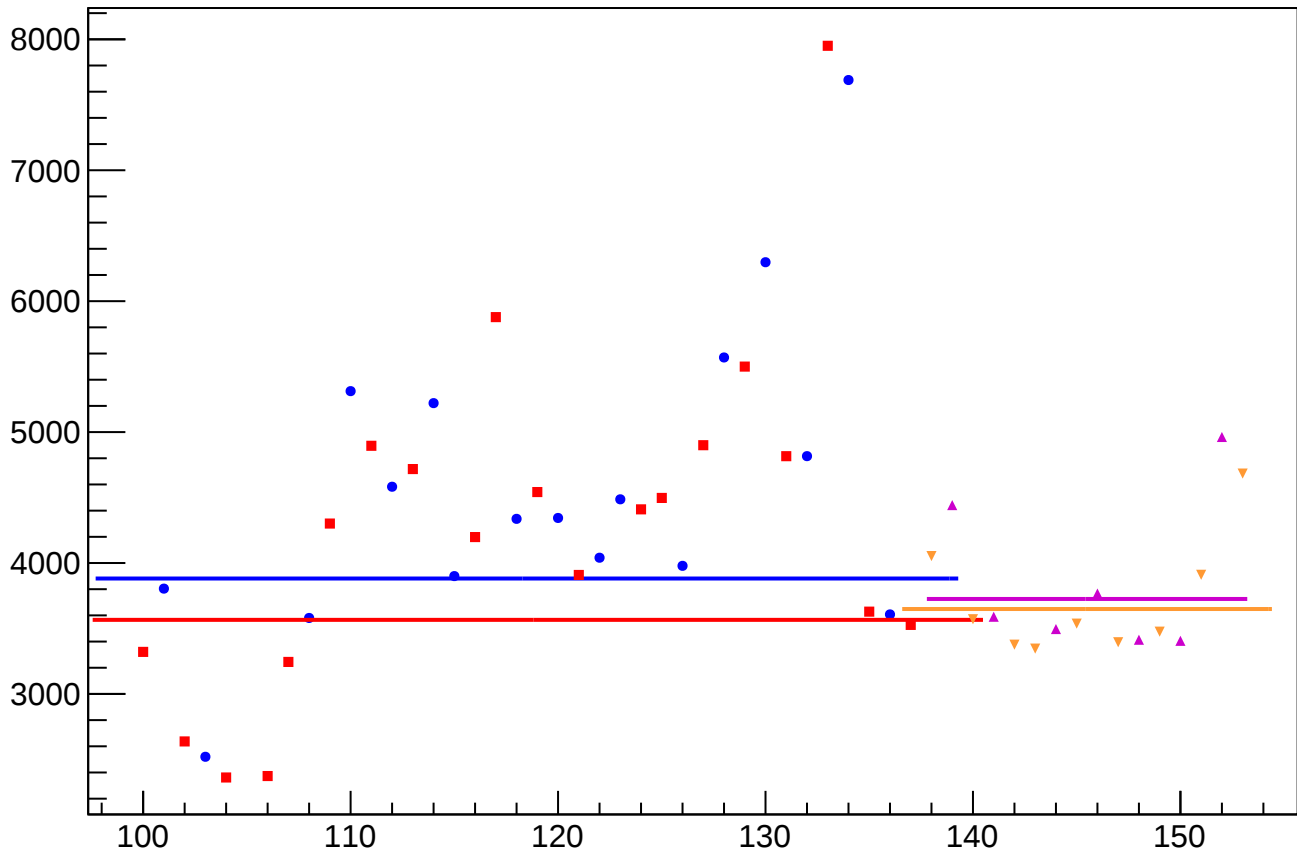
Right Out: -2124.415 $\pm$ 1411.872 χ^2 /NDF: 18.5/19

Left In: 1206.468 $\pm$ 1570.319 χ^2 /NDF: 4.8/6

-639.992 $\pm$ 1056.309 χ^2 /NDF: 23.0/25

-635.448 $\pm$ 1049.907 χ^2 /NDF: 25.8/26

asym_atr_dd_correction_rms vs Slug



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

Left Out: 3648.604+/-1.017 χ^2 /NDF:129785.9/8

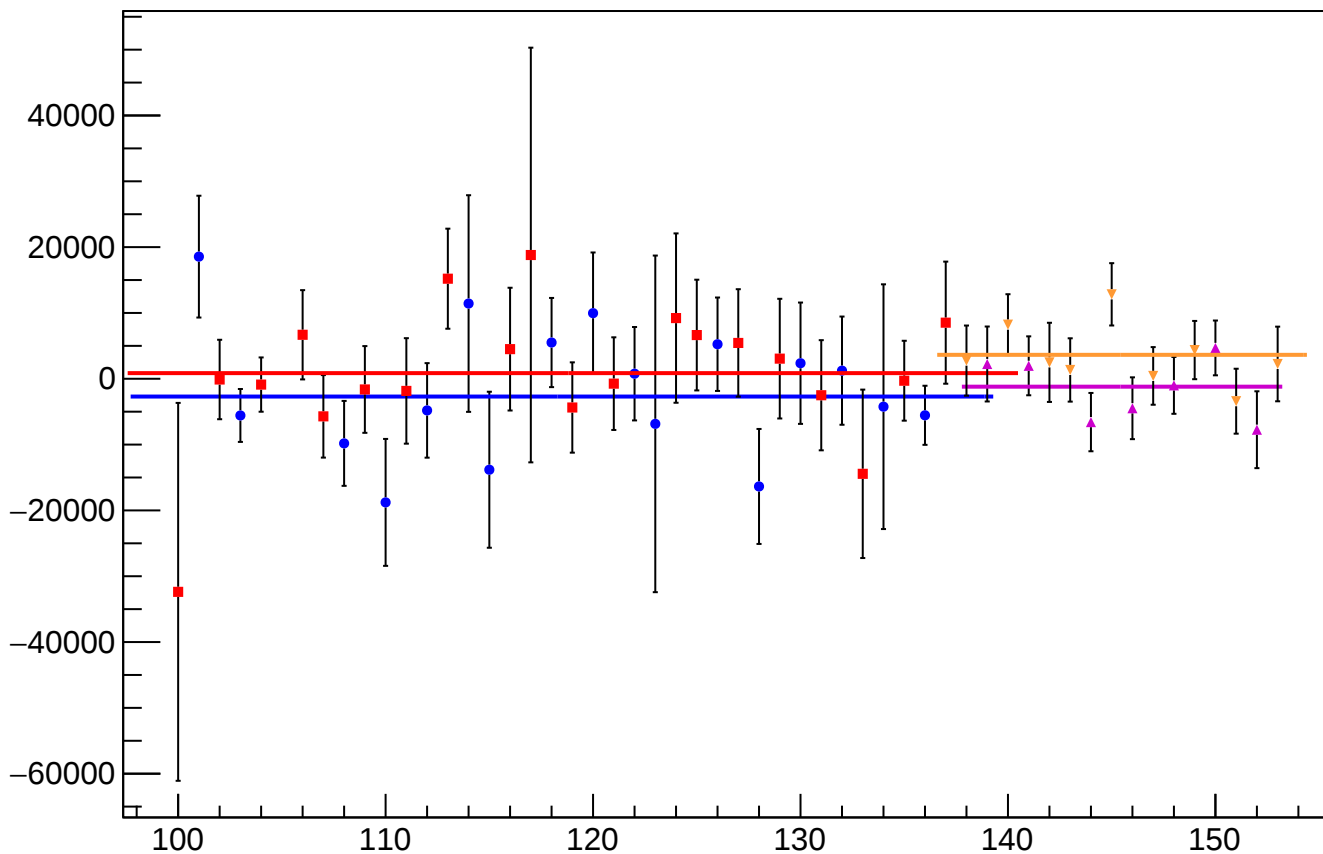
3755.855+/-0.747 χ^2 /NDF: 971421.6/25

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

3637.178+/-0.742 χ^2 /NDF: 1445290.1/26

Left In: 3725.411+/-1.110 χ^2 /NDF:178897.9/6

asym_atr_dd_mean vs Slug



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

Left Out: 3636.865 ± 1637.646 χ^2/NDF : 7.7/8

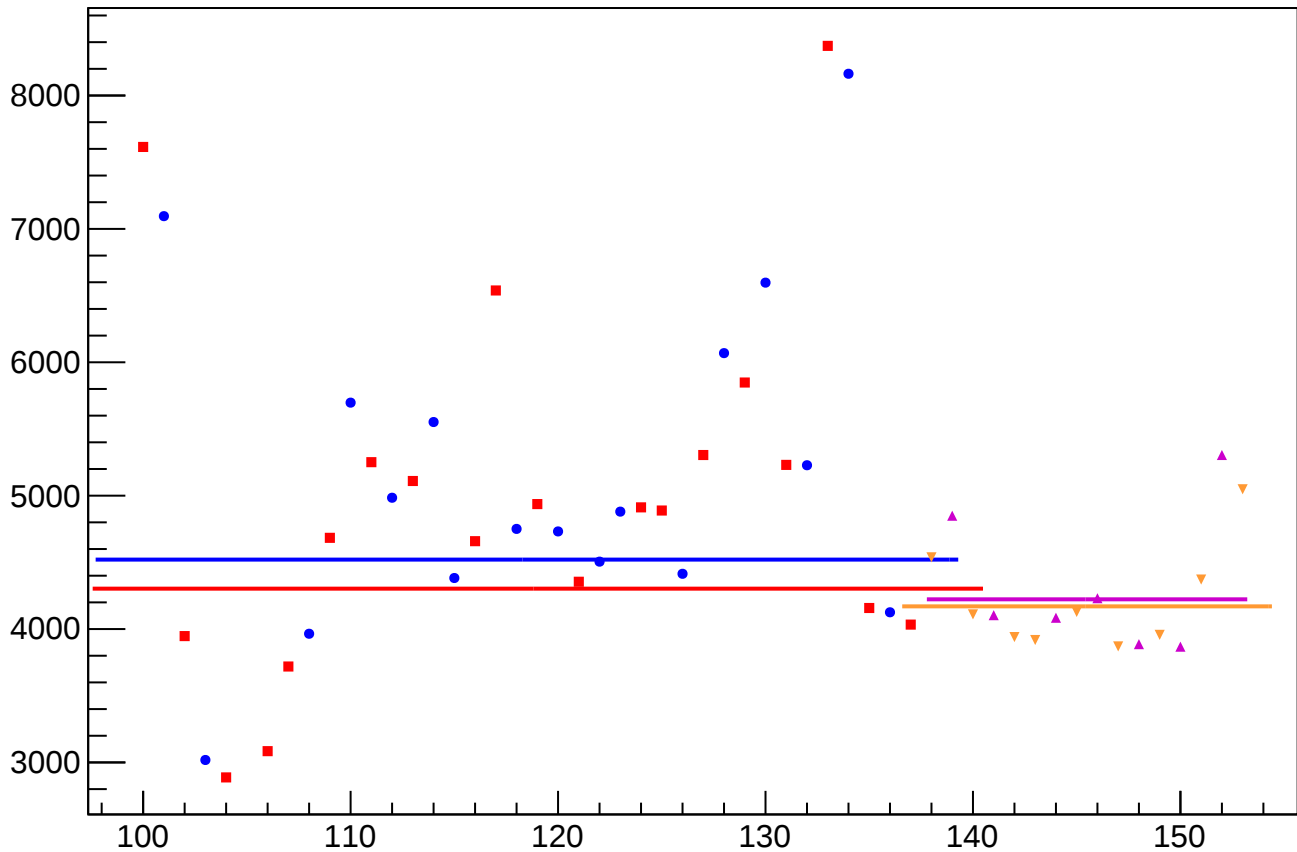
Right Out: 857.617 ± 1687.925 χ^2/NDF : 11.9/19

Left In: -1200.938 ± 1774.188 χ^2/NDF : 6.1/6

782.480 ± 1214.079 χ^2/NDF : 34.2/25

-120.401 ± 1222.903 χ^2/NDF : 18.7/26

asym_atr_dd_rms vs Slug



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

Left Out: 4170.111+/-1.158 χ^2 /NDF:83749.4/8

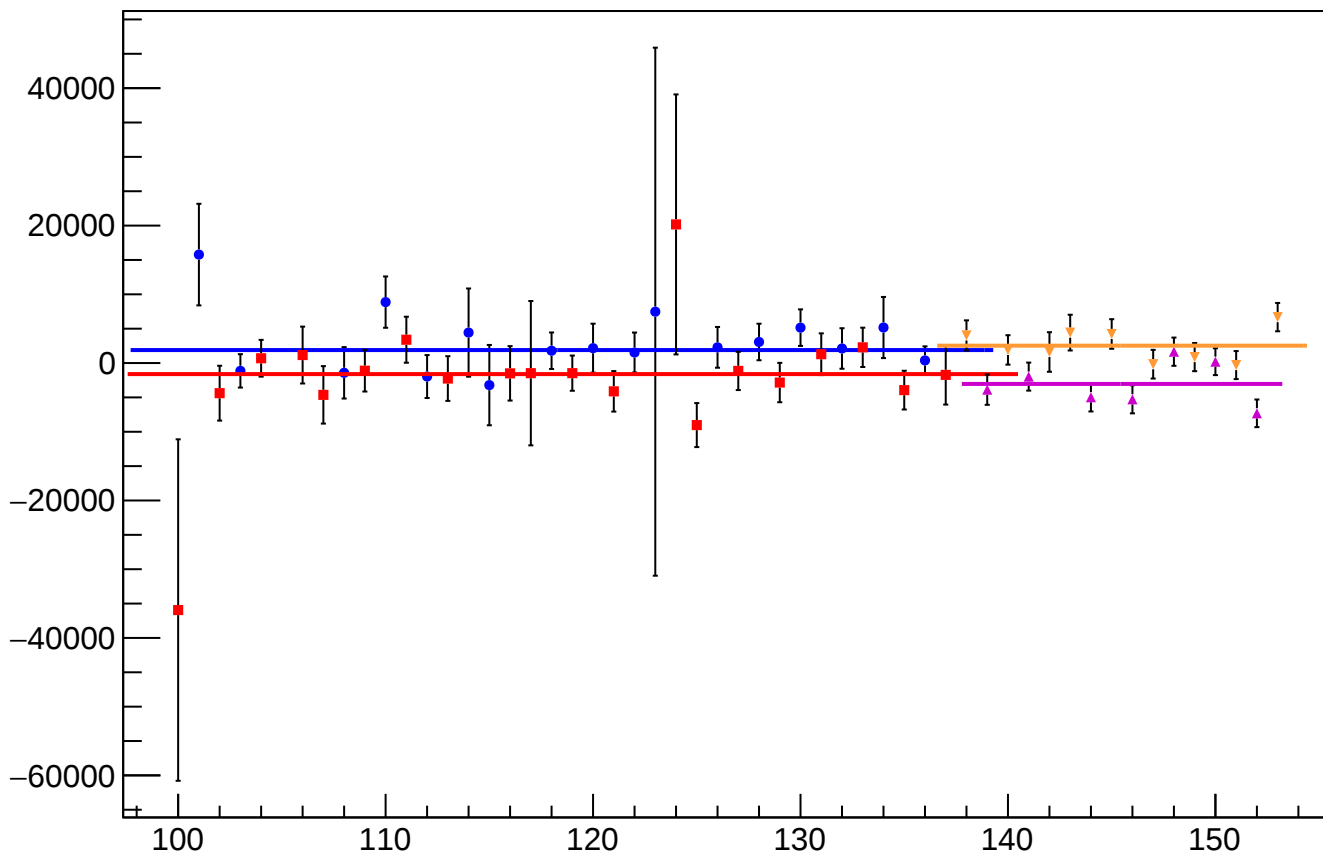
4328.006+/-0.858 χ^2 /NDF: 895916.6/25

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

4265.098+/-0.862 χ^2 /NDF: 907004.5/26

Left In: 4222.876+/-1.255 χ^2 /NDF:122971.8/6

reg_asym_at1_avg_mean vs Slug



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

Left Out: 2527.766+/-734.426 χ^2/NDF : 10.1/8

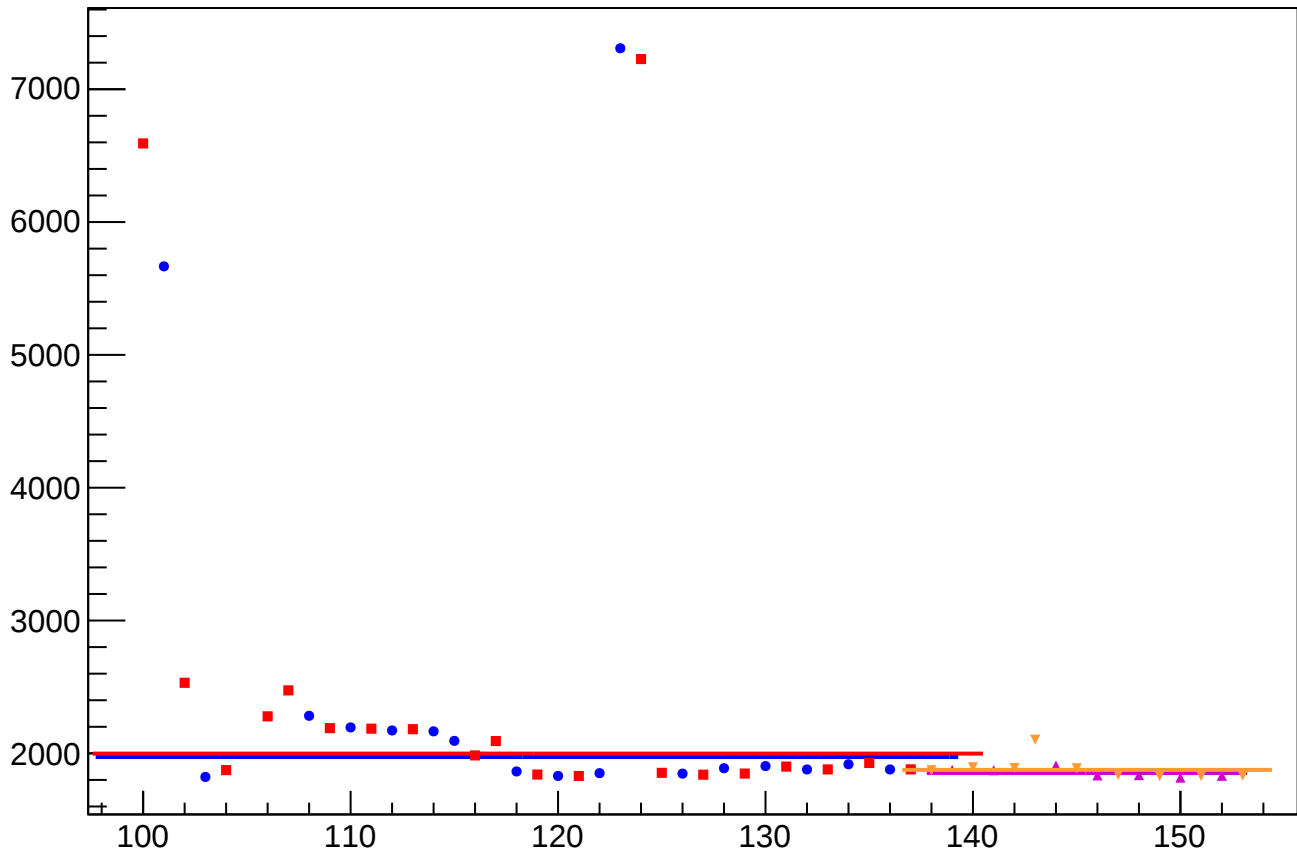
Right Out: -1609.604+/-763.815 χ^2/NDF : 17.5/19

Left In: -3039.719+/-774.926 χ^2/NDF : 15.0/6

2228.638+/-535.931 χ^2/NDF : 25.1/25

-2314.335+/-543.984 χ^2/NDF : 34.2/26

reg_asym_at1_avg_rms vs Slug



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

Left Out: 1875.675+/-0.519 χ^2/NDF : 19221.7/8

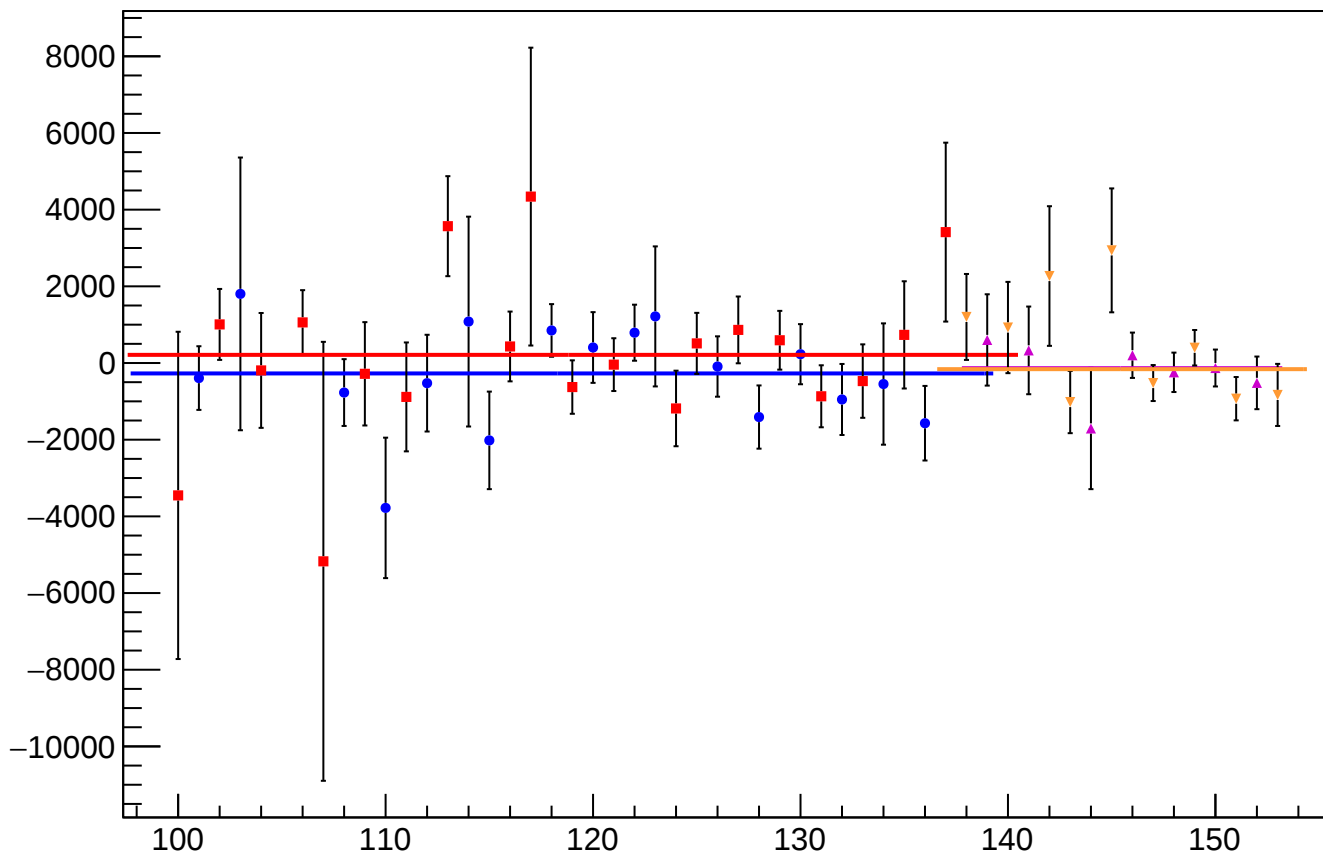
1920.933+/-0.379 χ^2/NDF : 636337.2/25

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

1926.409+/-0.385 χ^2/NDF : 394581.4/26

Left In: 1852.565+/-0.548 χ^2/NDF : 3041.5/6

asym_at1_avg_correction_mean vs Slug



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

Left Out: -160.283 ± 238.589 χ^2/NDF : 13.5/8

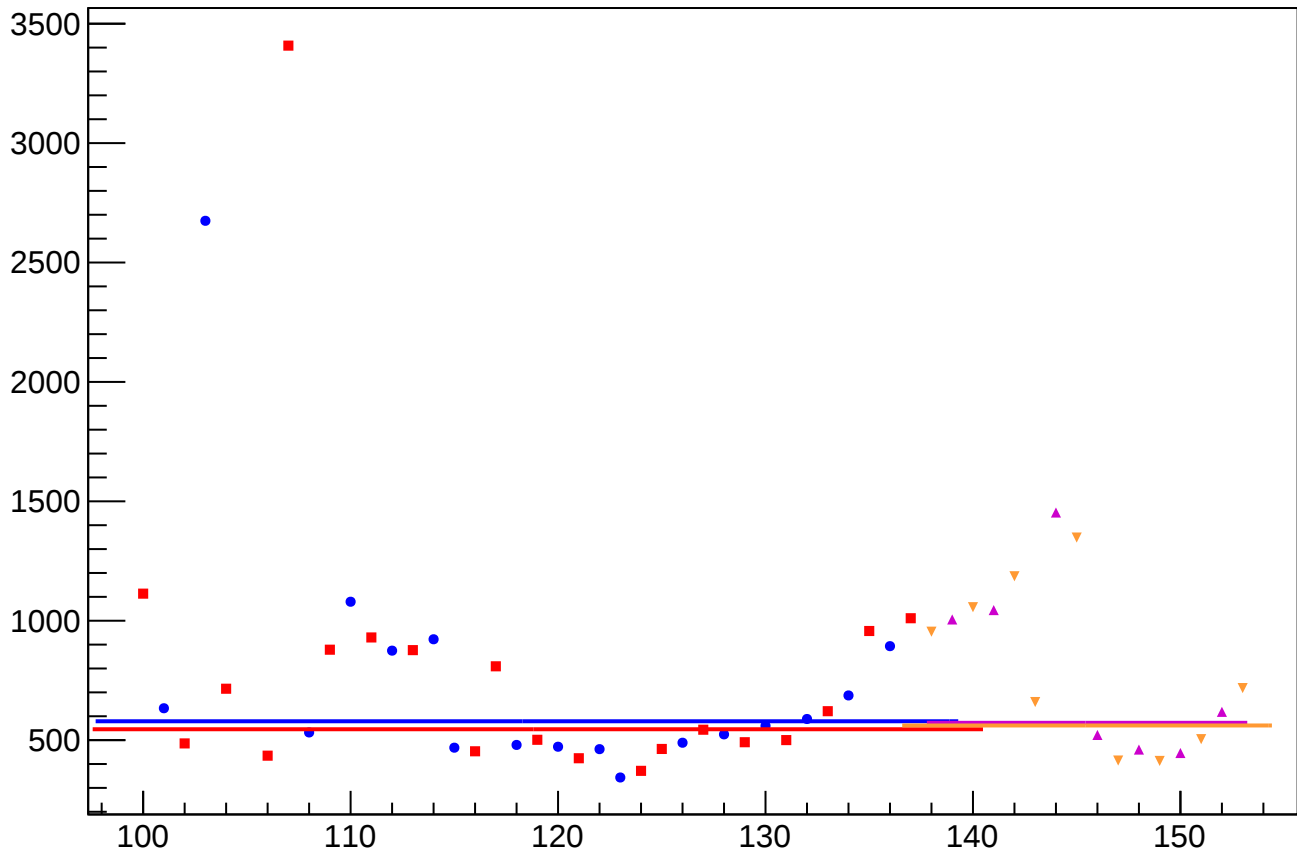
Right Out: 212.774 ± 228.638 χ^2/NDF : 20.9/19

Left In: -134.185 ± 258.575 χ^2/NDF : 2.2/6

-215.650 ± 169.279 χ^2/NDF : 30.8/25

60.534 ± 171.283 χ^2/NDF : 24.1/26

asym_at1_avg_correction_rms vs Slug



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

Left Out: 561.390+/-0.169 χ^2/NDF : 1827658.9/8

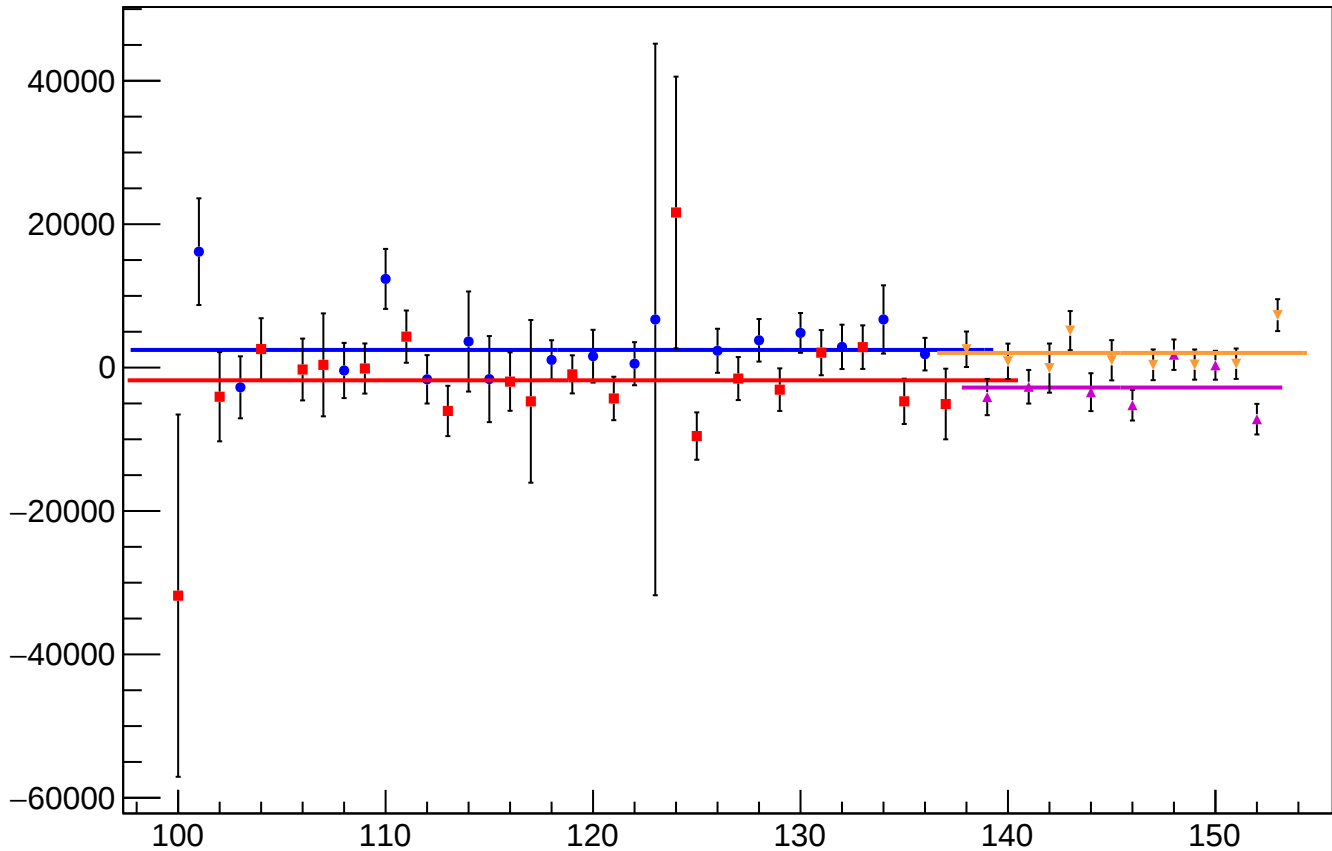
Right Out: 545.590+/-0.162 χ^2/NDF : 1467038.8/19

Left In: 572.504+/-0.183 χ^2/NDF : 1480550.7/6

570.140+/-0.120 χ^2/NDF : 3255224.5/25

557.399+/-0.121 χ^2/NDF : 2959749.8/26

asym_at1_avg_mean vs Slug



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

Left Out: 2046.271+/-805.469 χ^2/NDF : 9.4/8

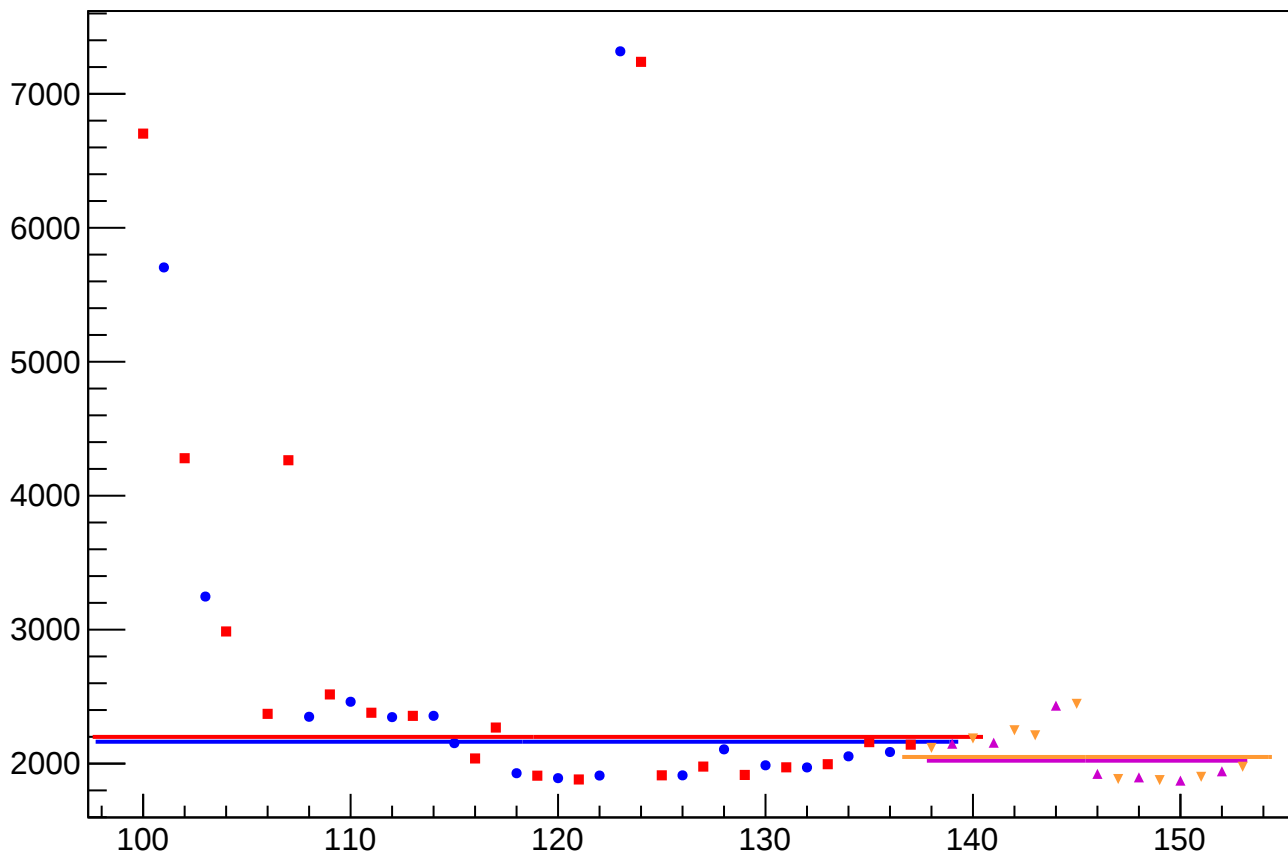
Right Out: -1773.396+/-850.889 χ^2/NDF : 20.5/19

Left In: -2782.264+/-848.901 χ^2/NDF : 13.0/6

2240.737+/-588.904 χ^2/NDF : 25.0/25

-2279.010+/-600.965 χ^2/NDF : 34.2/26

asym_at1_avg_rms vs Slug



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

Left Out: 2049.579+/-0.570 χ^2/NDF :98719.3/8

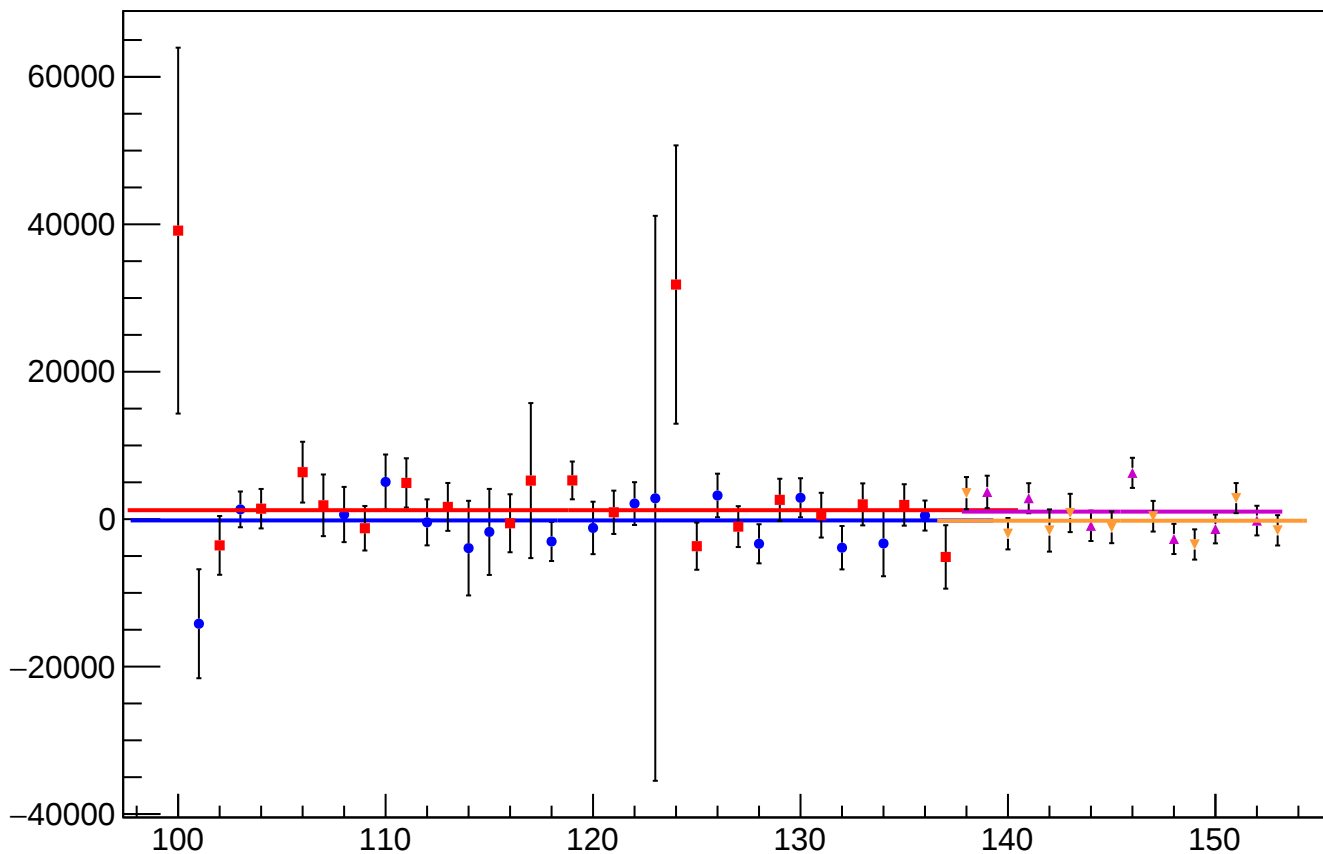
Right Out: 2199.398+/-0.602 χ^2/NDF : 803373.4/19

Left In: 2021.834+/-0.600 χ^2/NDF :84769.4/6

2102.511+/-0.416 χ^2/NDF : 826860.7/25

2110.409+/-0.425 χ^2/NDF : 931792.1/26

reg_asym_at1_dd_mean vs Slug



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

Left Out: -210.692+/-733.068 χ^2/NDF : 9.4/8

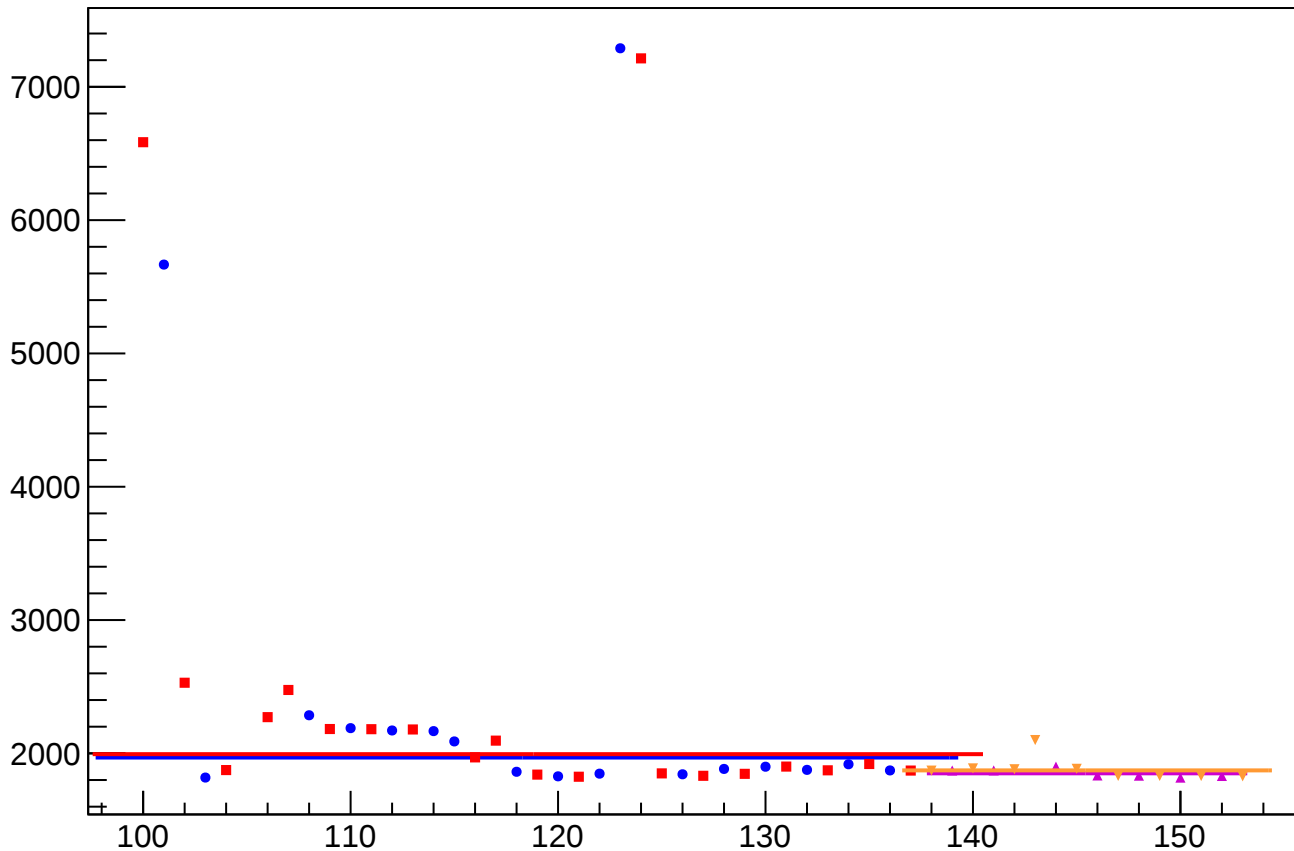
Right Out: 1218.753+/-762.243 χ^2/NDF : 18.3/19

Left In: 1023.874+/-773.935 χ^2/NDF : 14.8/6

-191.833+/-534.943 χ^2/NDF : 23.9/25

1122.797+/-543.074 χ^2/NDF : 33.2/26

reg_asym_at1_dd_rms vs Slug



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

Left Out: 1872.187+/-0.518 χ^2/NDF : 18998.2/8

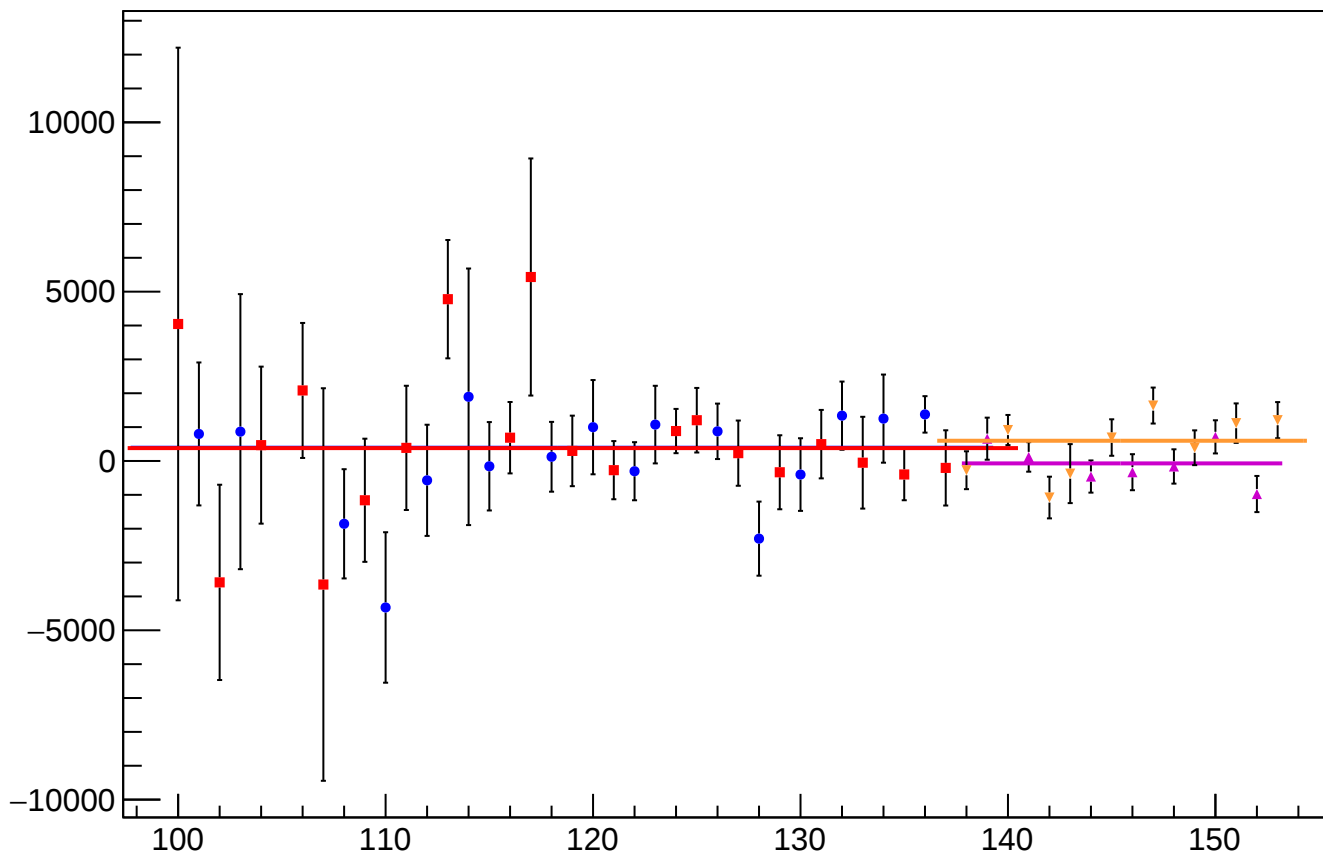
1917.275+/-0.378 χ^2/NDF : 638154.7/25

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

1923.192+/-0.384 χ^2/NDF : 393972.0/26

Left In: 1850.238+/-0.547 χ^2/NDF : 2603.2/6

asym_at1_dd_correction_mean vs Slug



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

Left Out: 597.194+/-184.329 χ^2/NDF : 17.7/8

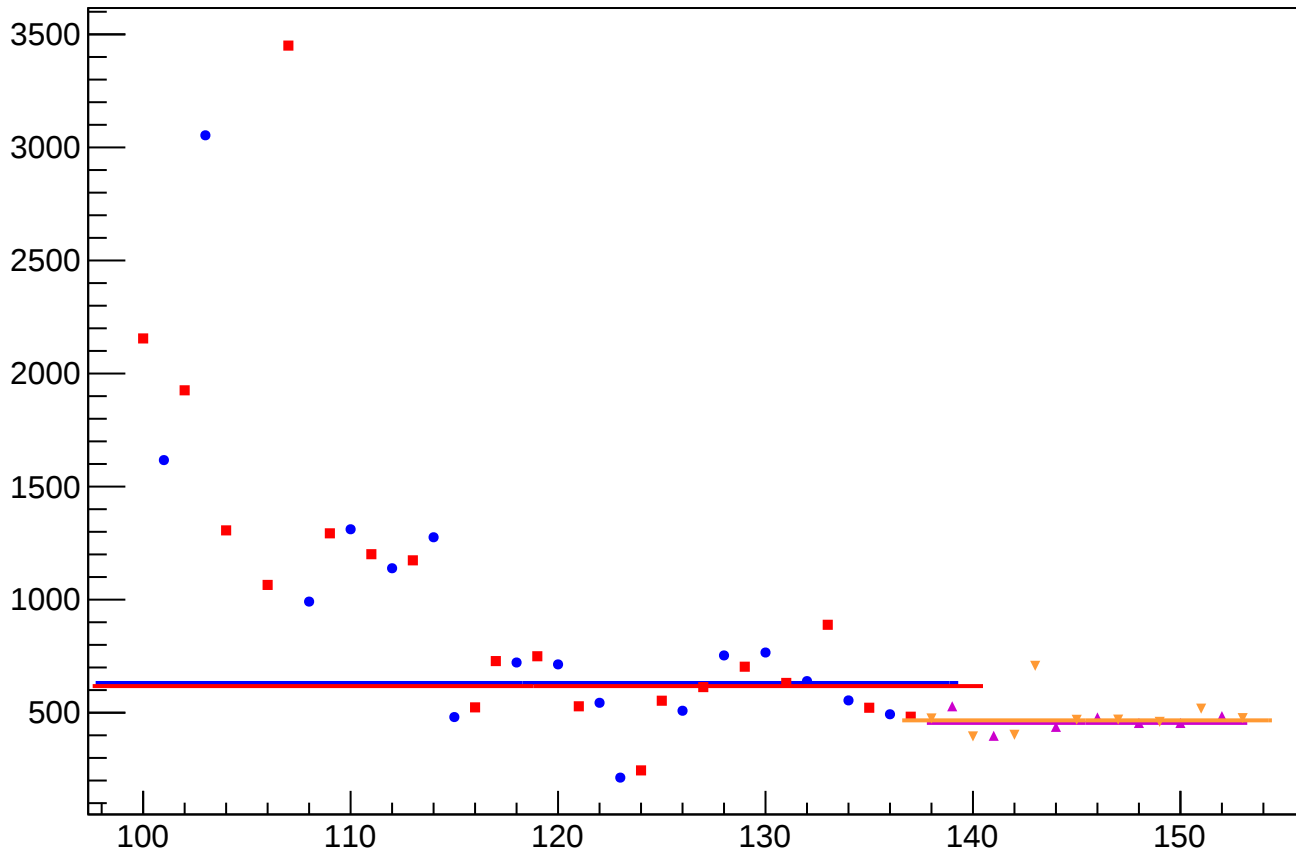
Right Out: 379.833+/-265.331 χ^2/NDF : 16.3/19

Left In: -71.308+/-191.049 χ^2/NDF : 7.9/6

531.661+/-152.258 χ^2/NDF : 38.1/25

82.728+/-155.040 χ^2/NDF : 26.2/26

asym_at1_dd_correction_rms vs Slug



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

Left Out: 466.149+/-0.130 χ^2/NDF : 243113.9/8

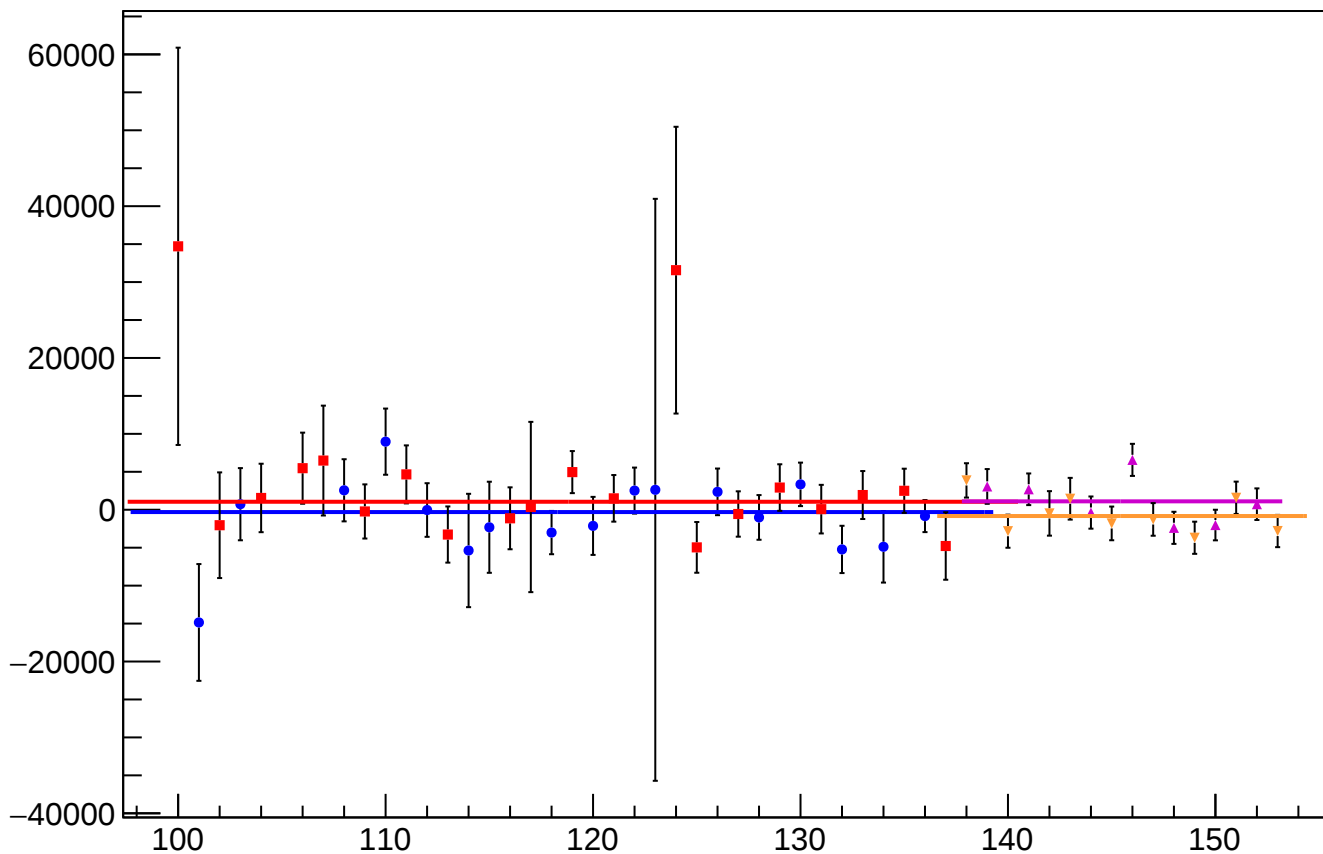
518.659+/-0.108 χ^2/NDF : 3014670.9/25

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

510.516+/-0.110 χ^2/NDF : 3374935.4/26

Left In: 454.959+/-0.135 χ^2/NDF : 75428.3/6

asym_at1_dd_mean vs Slug



Right In: -305.713 ± 871.922 $\chi^2/\text{NDF}: 17.2/16$

Left Out: -828.251 ± 758.522 $\chi^2/\text{NDF}: 10.0/8$

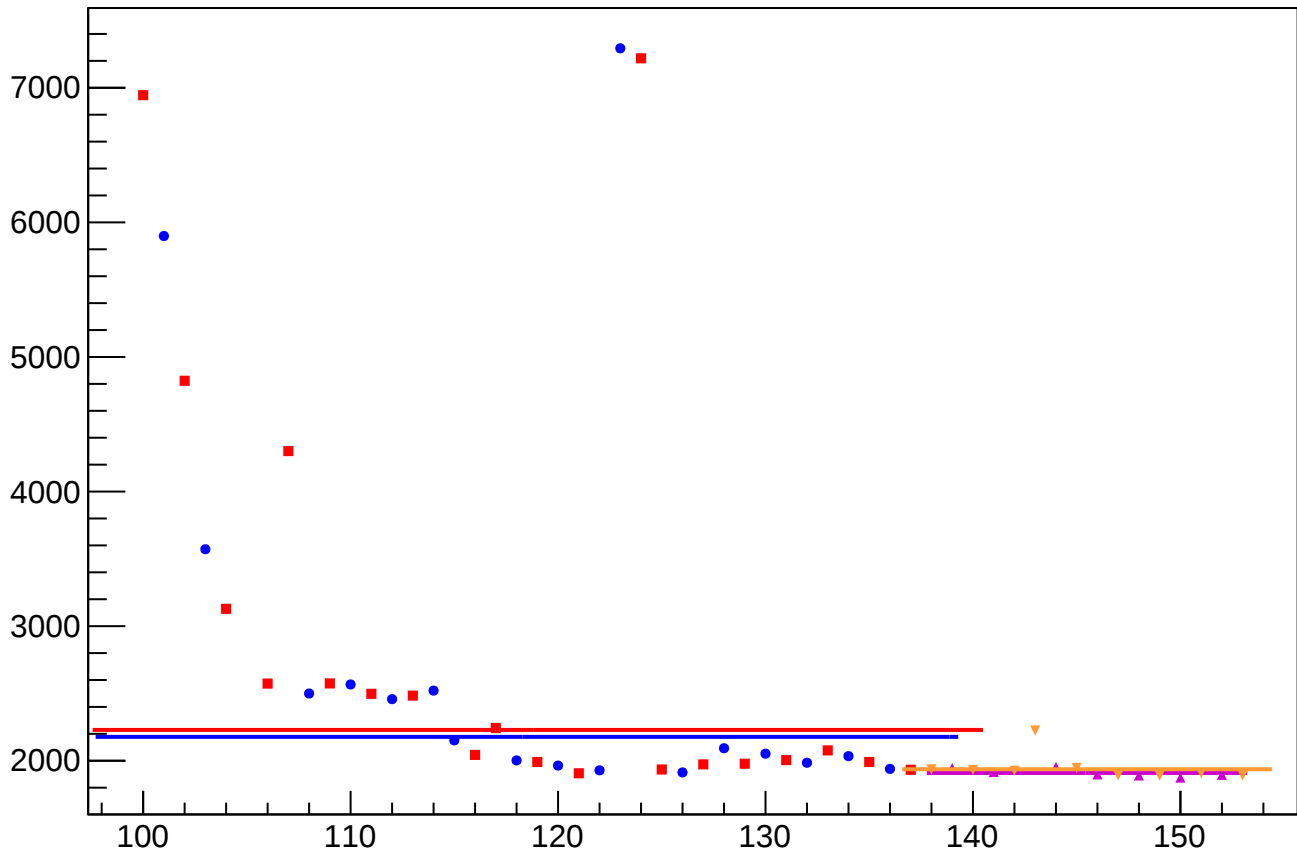
Right Out: 1052.718 ± 864.863 $\chi^2/\text{NDF}: 16.6/19$

Left In: 1105.721 ± 798.646 $\chi^2/\text{NDF}: 13.6/6$

-603.150 ± 572.278 $\chi^2/\text{NDF}: 27.4/25$

1081.326 ± 586.743 $\chi^2/\text{NDF}: 30.3/26$

asym_at1_dd_rms vs Slug



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

Left Out: 1937.009+/-0.536 χ^2/NDF : 25267.9/8

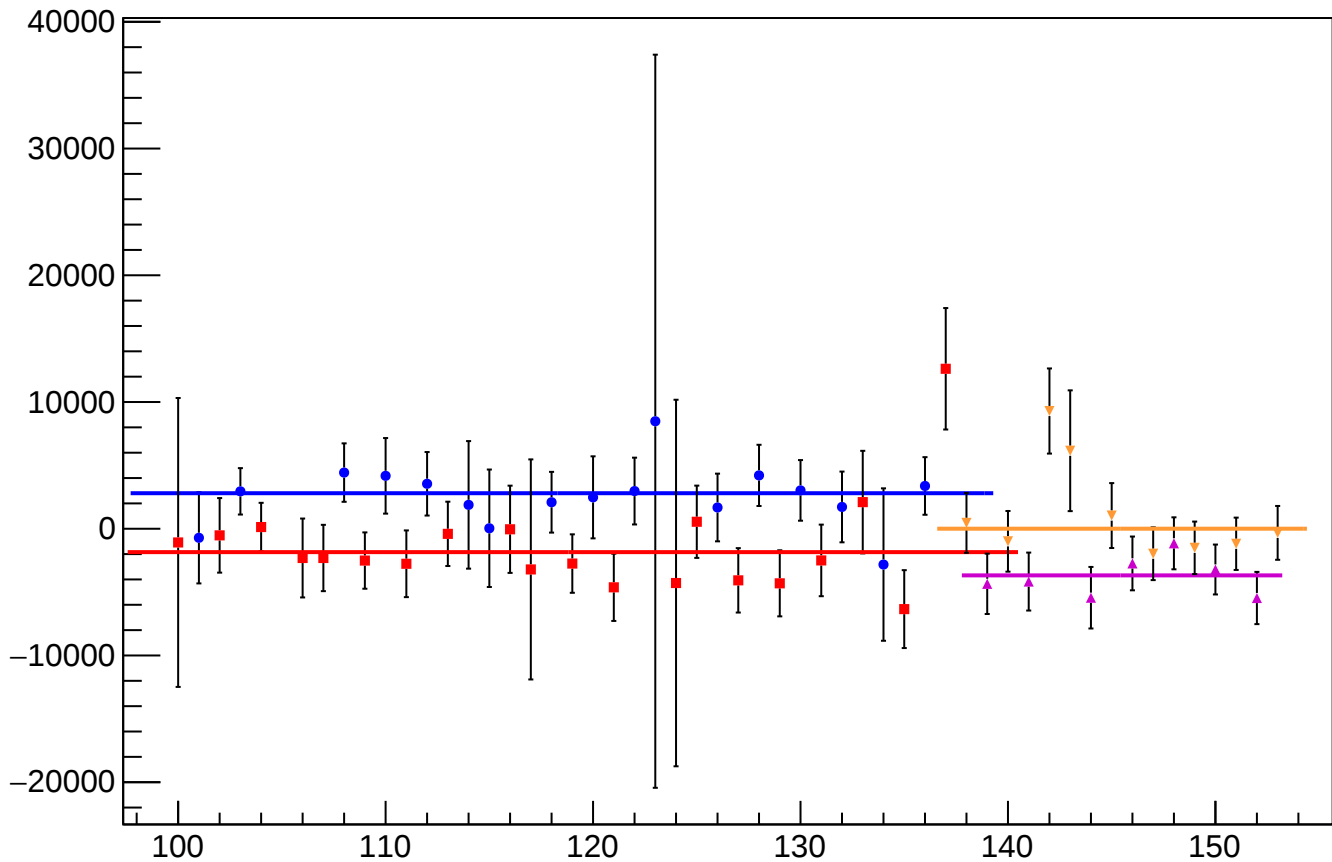
Right Out: 2229.096+/-0.612 χ^2/NDF : 895812.2/19

Left In: 1909.507+/-0.565 χ^2/NDF : 2319.2/6

2040.585+/-0.405 χ^2/NDF : 914672.4/25

2056.601+/-0.415 χ^2/NDF : 1045534.9/26

reg_asym_at2_avg_mean vs Slug



Right In: 2803.917 ± 678.548 χ^2/NDF : 3.9/16

Left Out: 4.176 ± 800.948 χ^2/NDF : 11.5/8

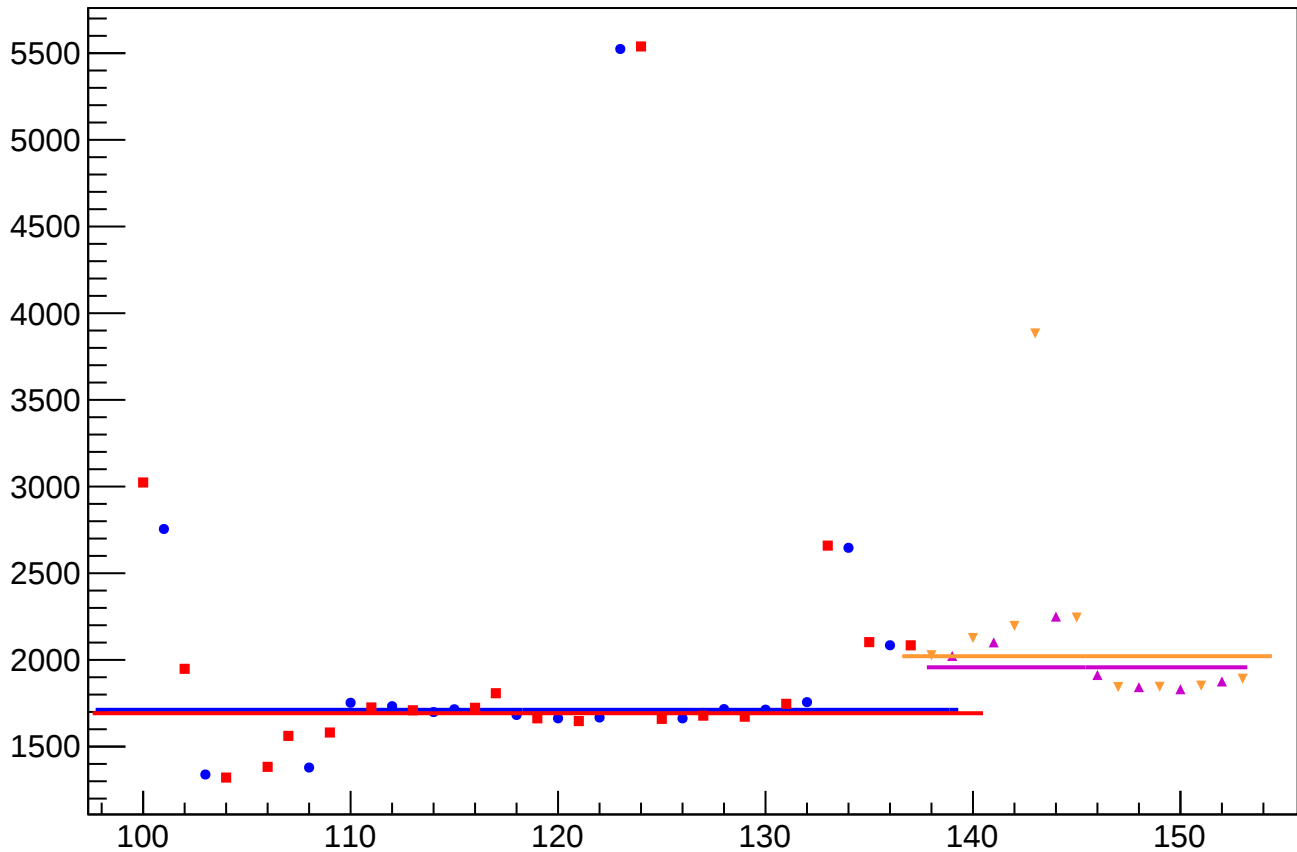
Right Out: -1844.945 ± 653.448 χ^2/NDF : 18.1/19

Left In: -3679.479 ± 819.030 χ^2/NDF : 3.2/6

1634.096 ± 517.732 χ^2/NDF : 22.5/25

-2558.493 ± 510.797 χ^2/NDF : 24.3/26

reg_asym_at2_avg_rms vs Slug



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

Left Out: 2021.313 ± 0.566 χ^2/NDF : 379881.8/8

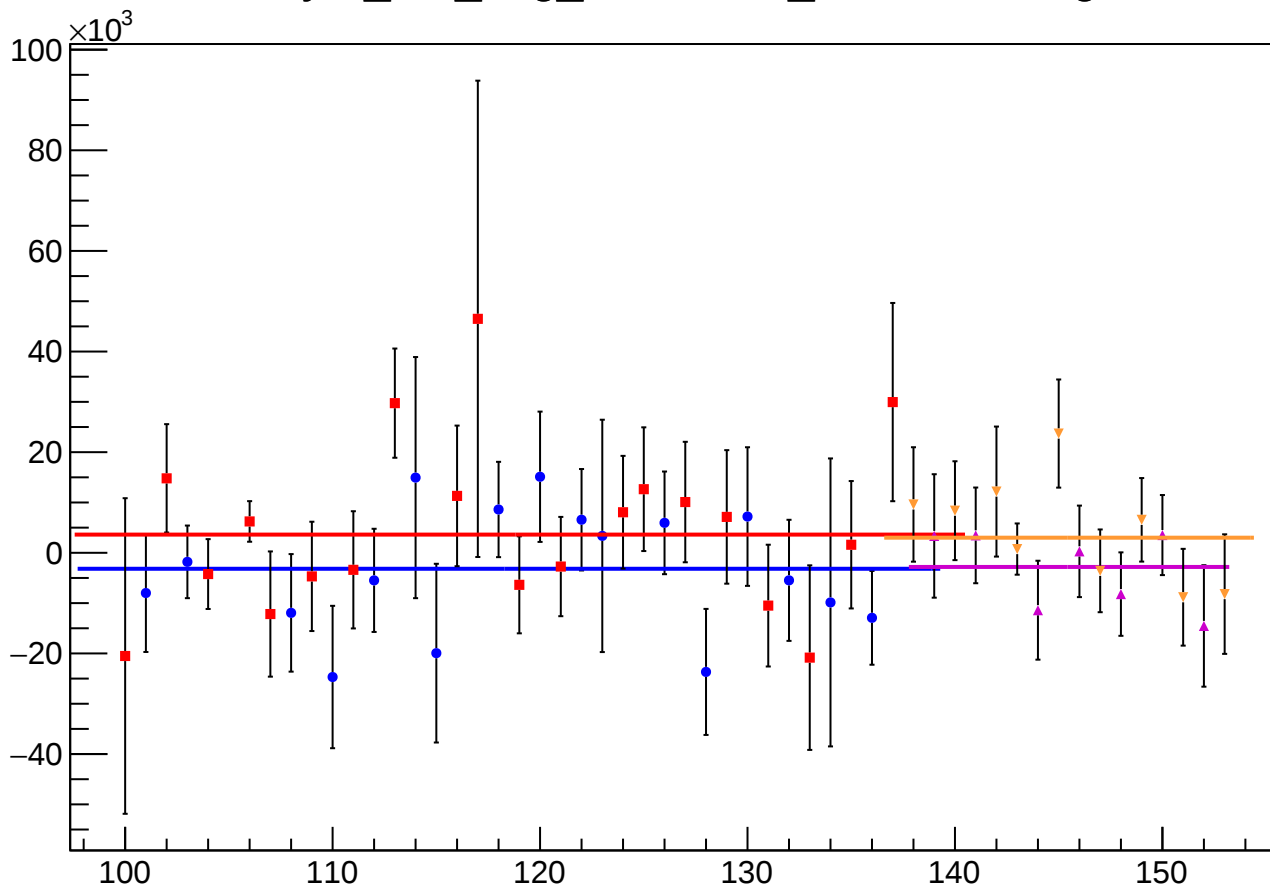
Right Out: 1692.404 ± 0.462 χ^2/NDF : 455277.5/19

Left In: 1957.282 ± 0.579 χ^2/NDF : 56951.2/6

1841.330 ± 0.366 χ^2/NDF : 985834.7/25

1795.428 ± 0.361 χ^2/NDF : 640048.4/26

asym_at2_avg_correction_mean vs Slug



Right In: -3173.245 ± 2851.982 χ^2/NDF : 14.4/16

Left Out: 3004.667 ± 2904.886 χ^2/NDF : 8.3/8

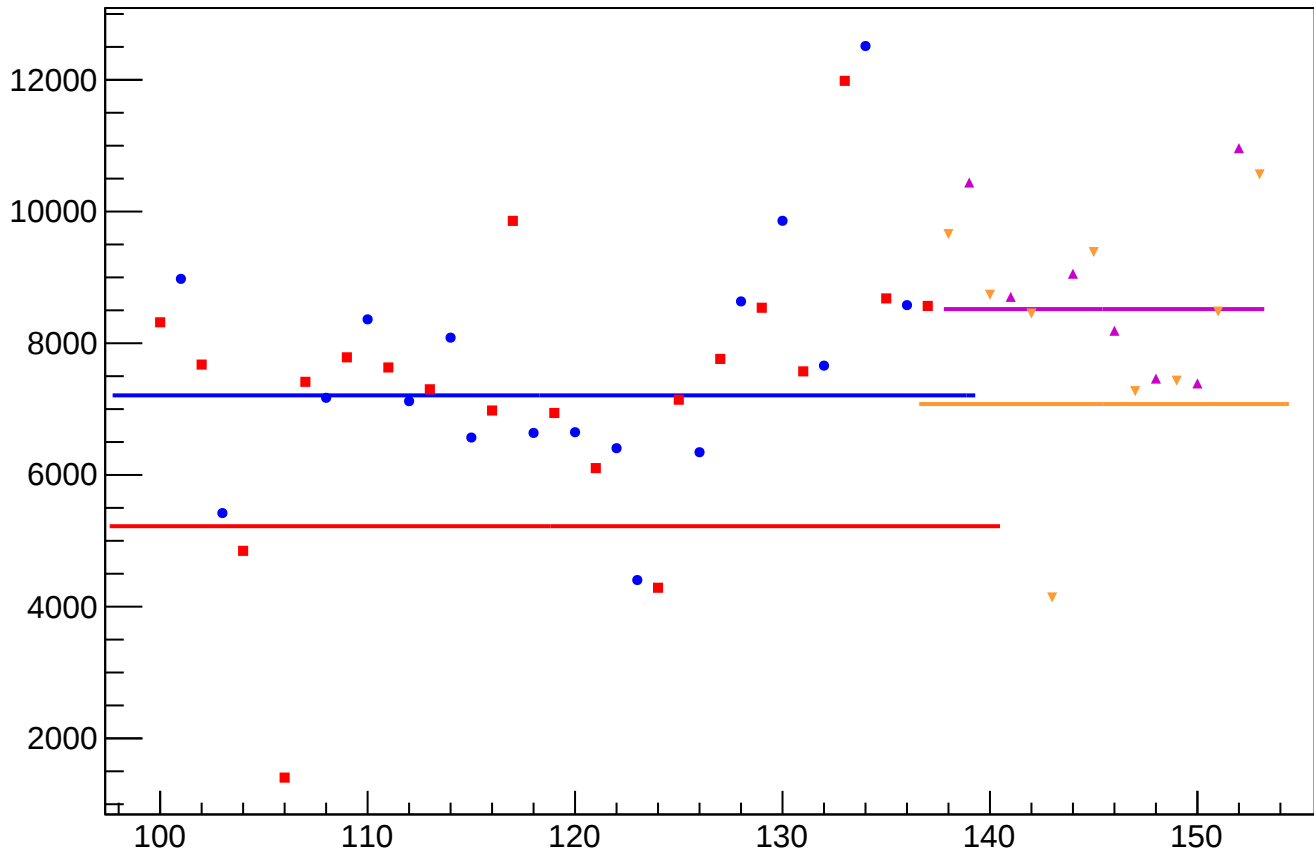
Right Out: 3618.416 ± 2263.938 χ^2/NDF : 20.3/19

Left In: -2811.825 ± 3595.896 χ^2/NDF : 3.6/6

-141.058 ± 2035.102 χ^2/NDF : 25.0/25

1793.101 ± 1915.854 χ^2/NDF : 26.2/26

asym_at2_avg_correction_rms vs Slug



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

Left Out: 7076.704 ± 2.054 χ^2/NDF : 1160191.6/8

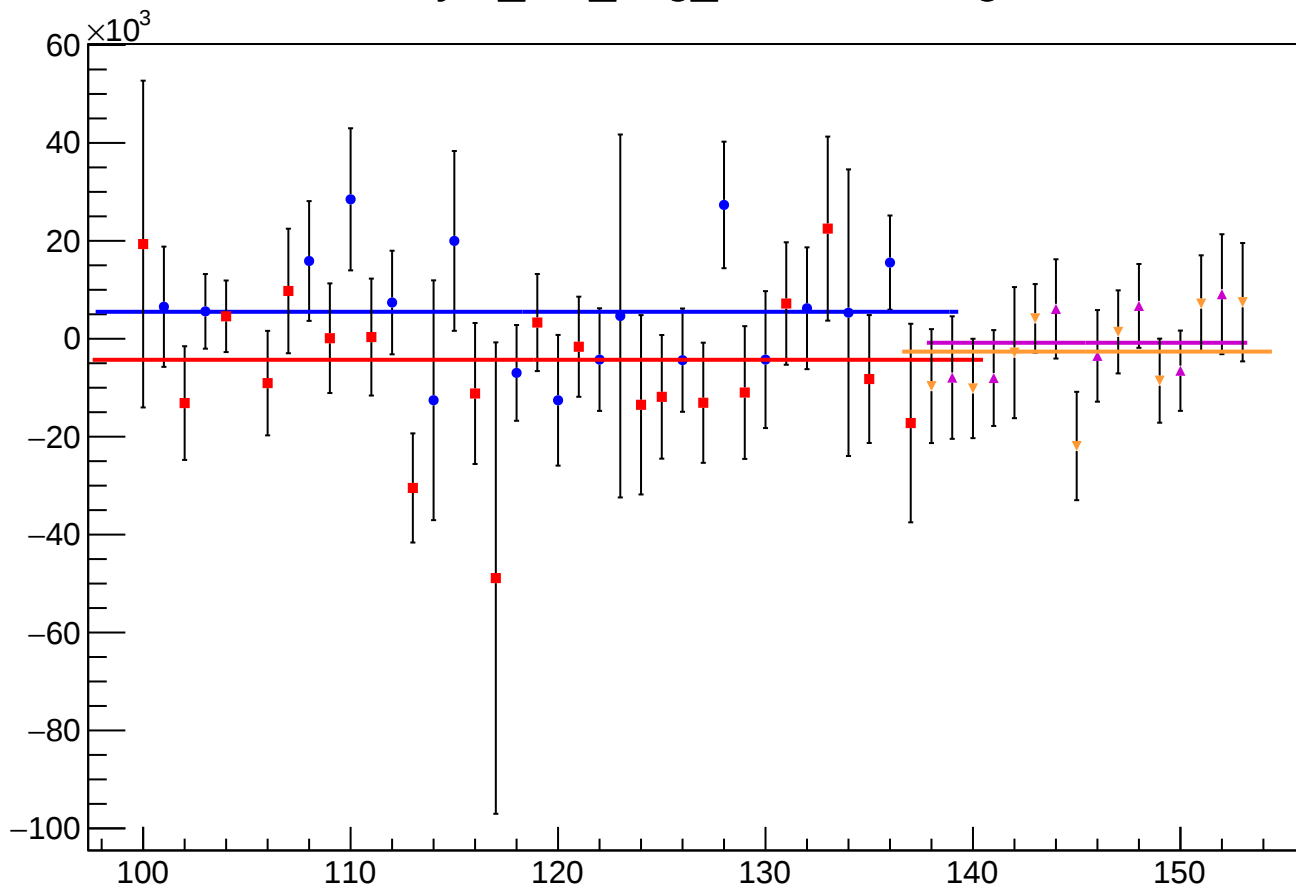
Right Out: 5221.816 ± 1.601 χ^2/NDF : 3216100.5/19

Left In: 8518.984 ± 2.543 χ^2/NDF : 213019.7/6

7143.848 ± 1.439 χ^2/NDF : 1631592.1/25

6157.764 ± 1.355 χ^2/NDF : 4633305.8/26

asym_at2_avg_mean vs Slug



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

Left Out: -2623.106 ± 3230.961 χ^2/NDF : 7.3/8

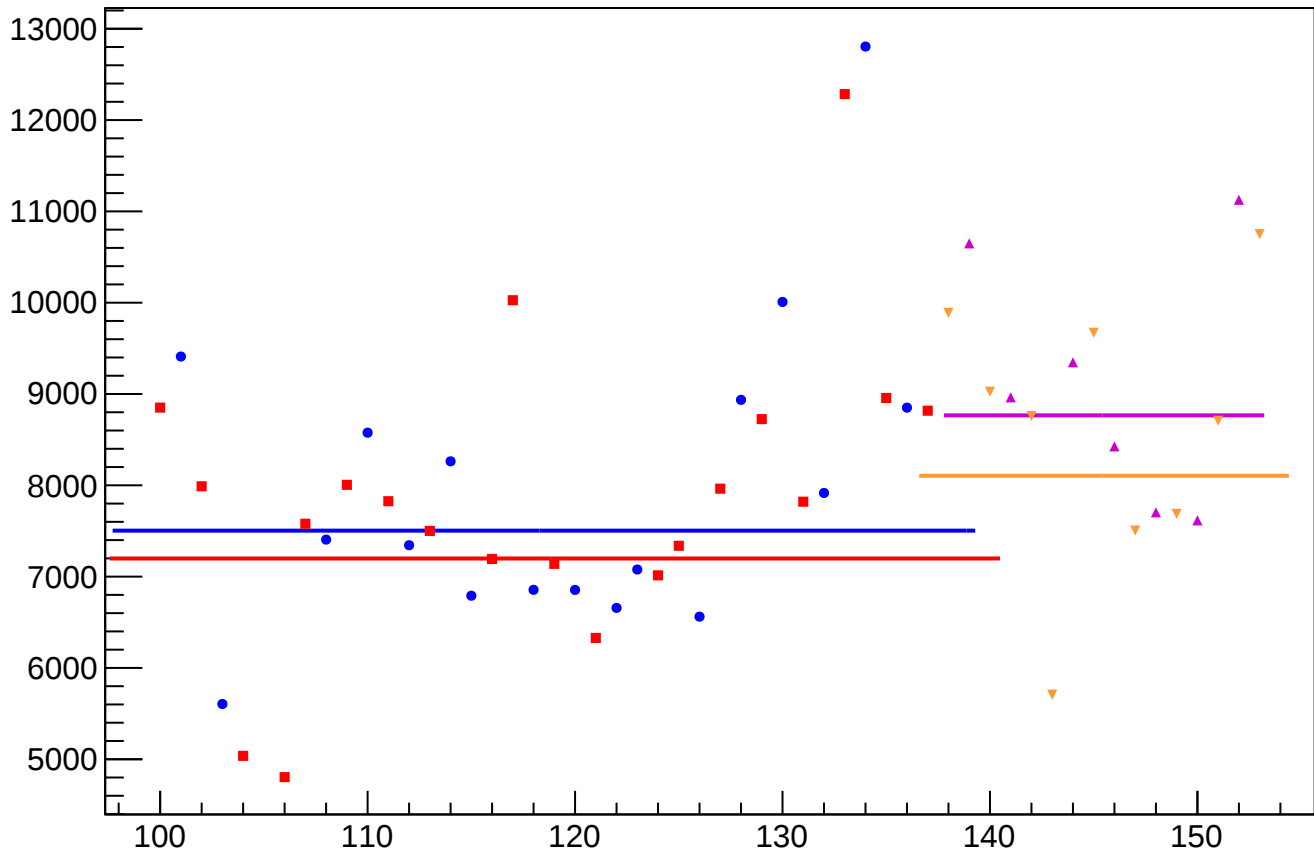
Right Out: -4295.824 ± 2785.538 χ^2/NDF : 16.3/19

Left In: -817.428 ± 3697.142 χ^2/NDF : 3.3/6

1783.383 ± 2186.965 χ^2/NDF : 24.8/25

-3036.278 ± 2224.762 χ^2/NDF : 20.2/26

asym_at2_avg_rms vs Slug



Right In: 7503.667+/-2.101 χ^2/NDF : 427313.5/16

Left Out: 8104.656+/-2.285 χ^2/NDF : 460528.3/8

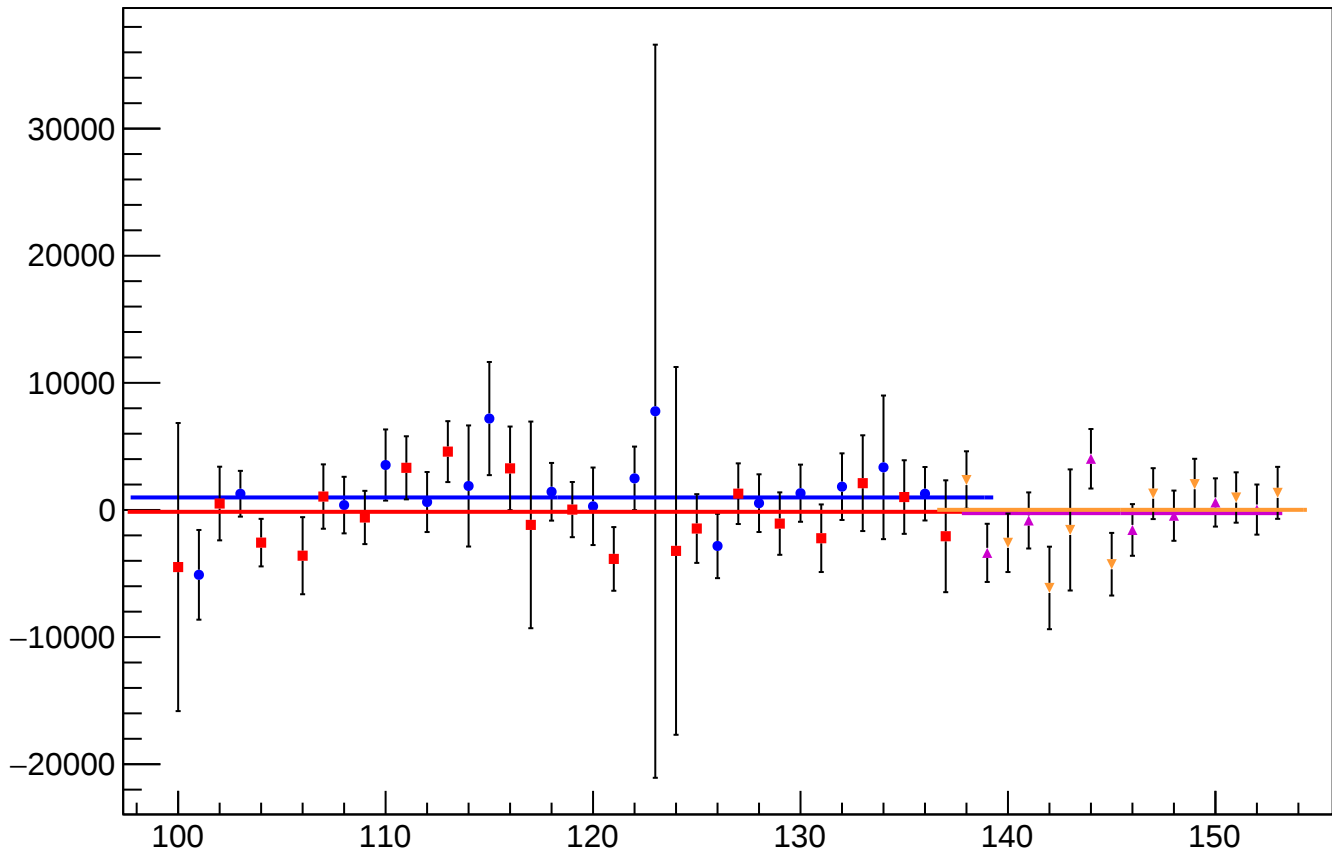
Right Out: 7198.728+/-1.969 χ^2/NDF : 564629.1/19

Left In: 8766.083+/-2.614 χ^2/NDF : 199738.0/6

7779.010+/-1.546 χ^2/NDF : 925337.3/25

7766.183+/-1.573 χ^2/NDF : 993676.1/26

reg_asym_at2_dd_mean vs Slug



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

Left Out: 11.032 ± 770.897 χ^2/NDF : 11.2/8

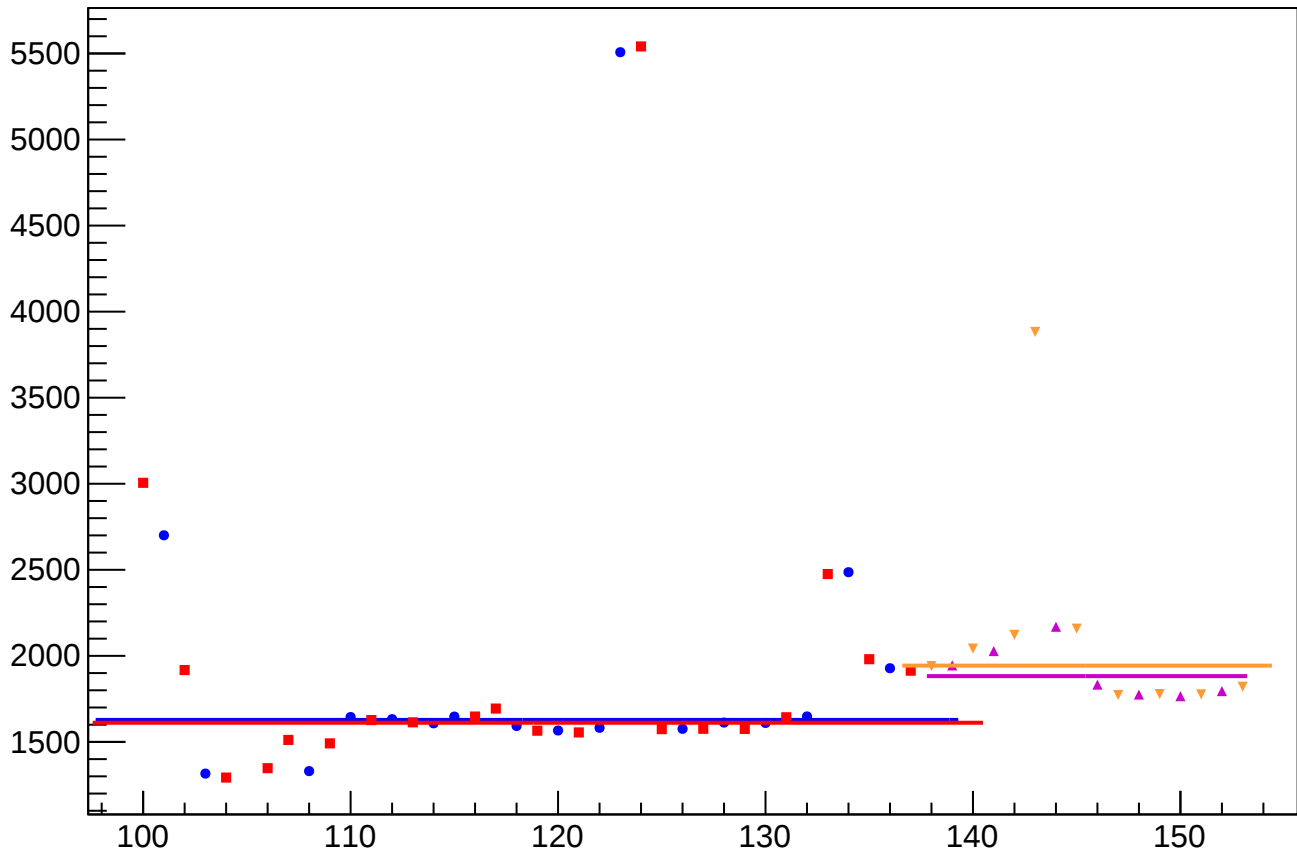
Right Out: -144.683 ± 621.728 χ^2/NDF : 14.7/19

Left In: -250.254 ± 787.698 χ^2/NDF : 5.9/6

584.475 ± 494.519 χ^2/NDF : 21.1/25

-185.207 ± 488.025 χ^2/NDF : 20.6/26

reg_asym_at2_dd_rms vs Slug



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

Left Out: 1943.281+/-0.545 χ^2/NDF : 405935.0/8

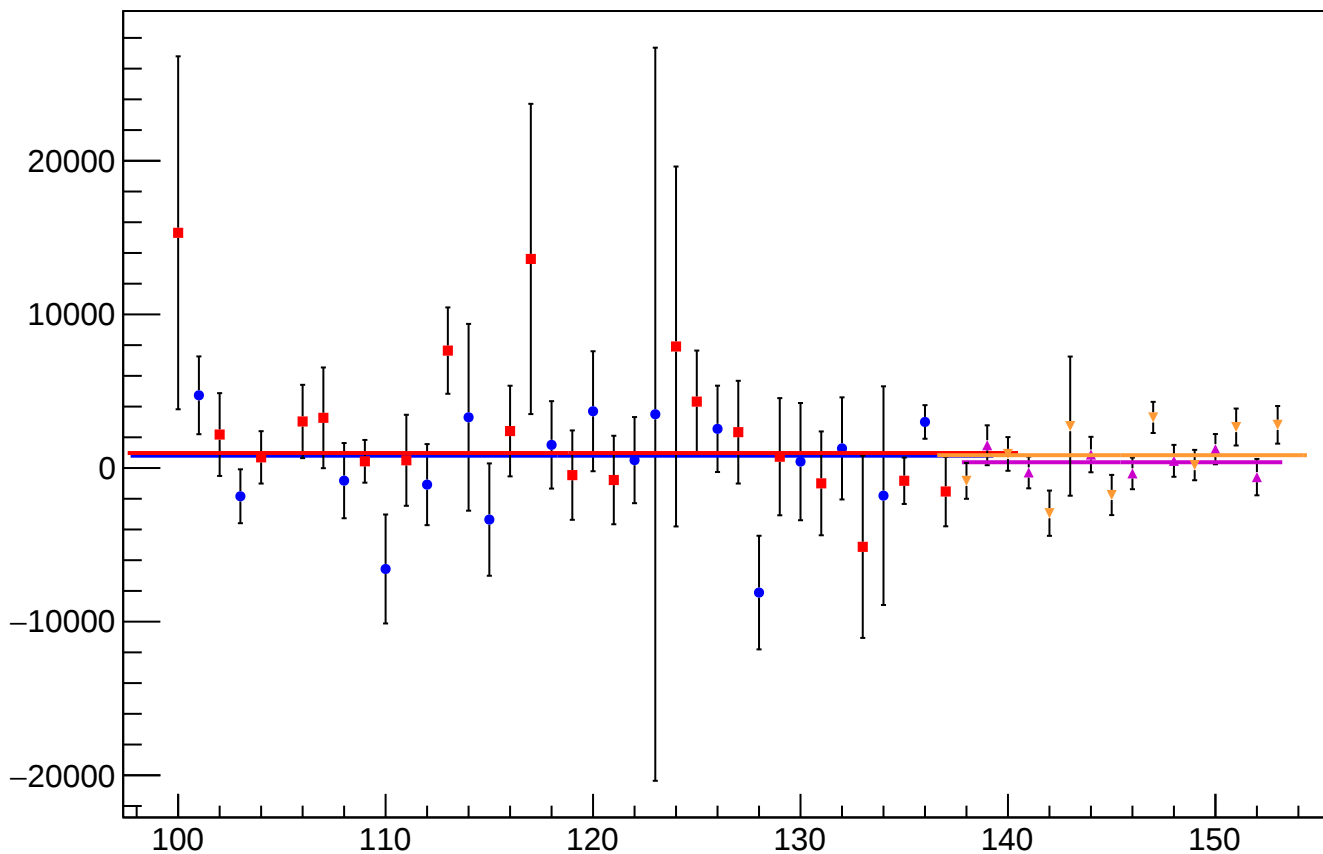
Right Out: 1611.433+/-0.440 χ^2/NDF : 434167.6/19

Left In: 1882.291+/-0.557 χ^2/NDF : 58731.3/6

1757.642+/-0.350 χ^2/NDF : 1010115.5/25

1715.403+/-0.345 χ^2/NDF : 638605.2/26

asym_at2_dd_correction_mean vs Slug



Right In: 803.048 ± 631.676 $\chi^2/\text{NDF}: 22.4/16$

Left Out: 835.721 ± 407.716 $\chi^2/\text{NDF}: 24.0/8$

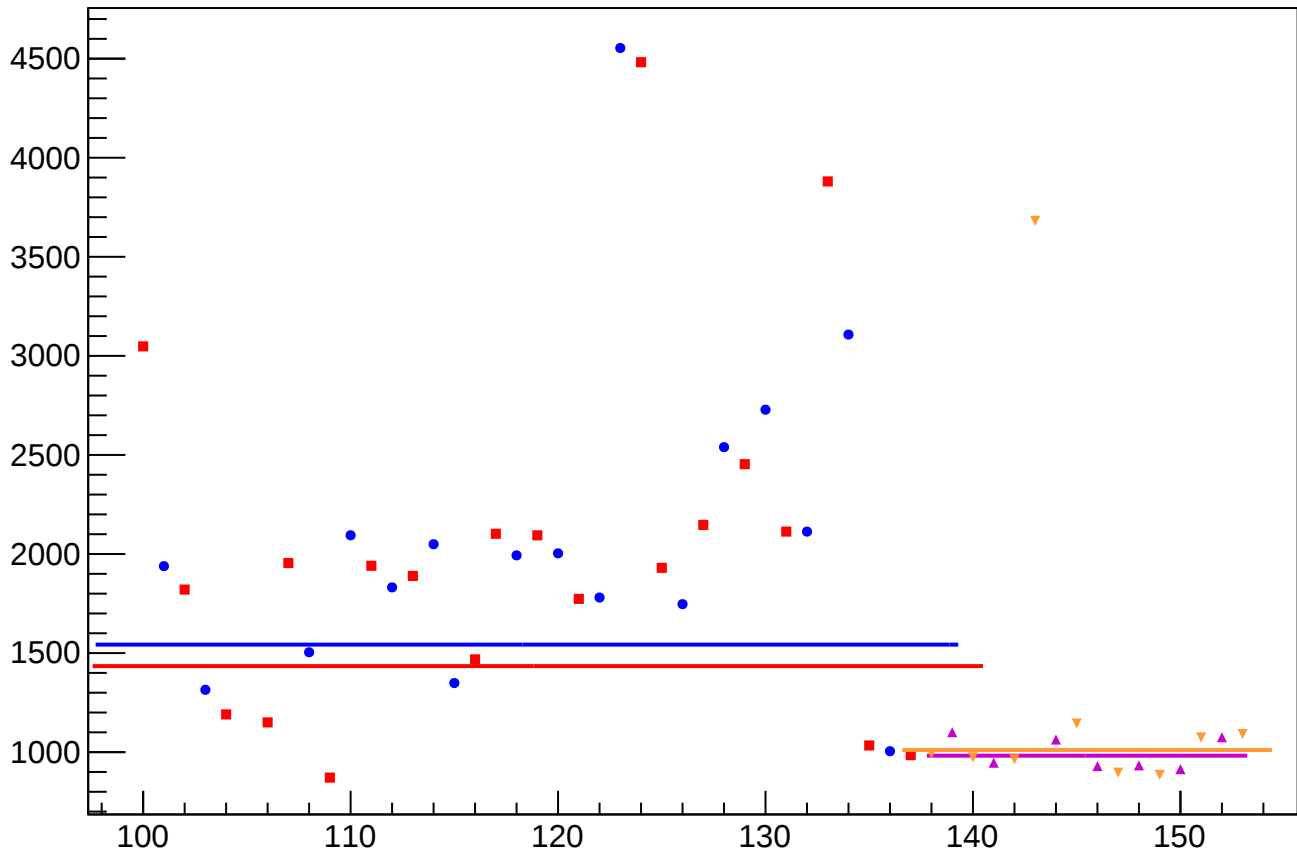
Right Out: 976.725 ± 588.724 $\chi^2/\text{NDF}: 16.8/19$

Left In: 376.809 ± 411.852 $\chi^2/\text{NDF}: 3.3/6$

826.112 ± 342.557 $\chi^2/\text{NDF}: 46.4/25$

573.934 ± 337.471 $\chi^2/\text{NDF}: 20.8/26$

asym_at2_dd_correction_rms vs Slug



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

Left Out: 1010.985+/-0.288 χ^2/NDF : 793088.8/8

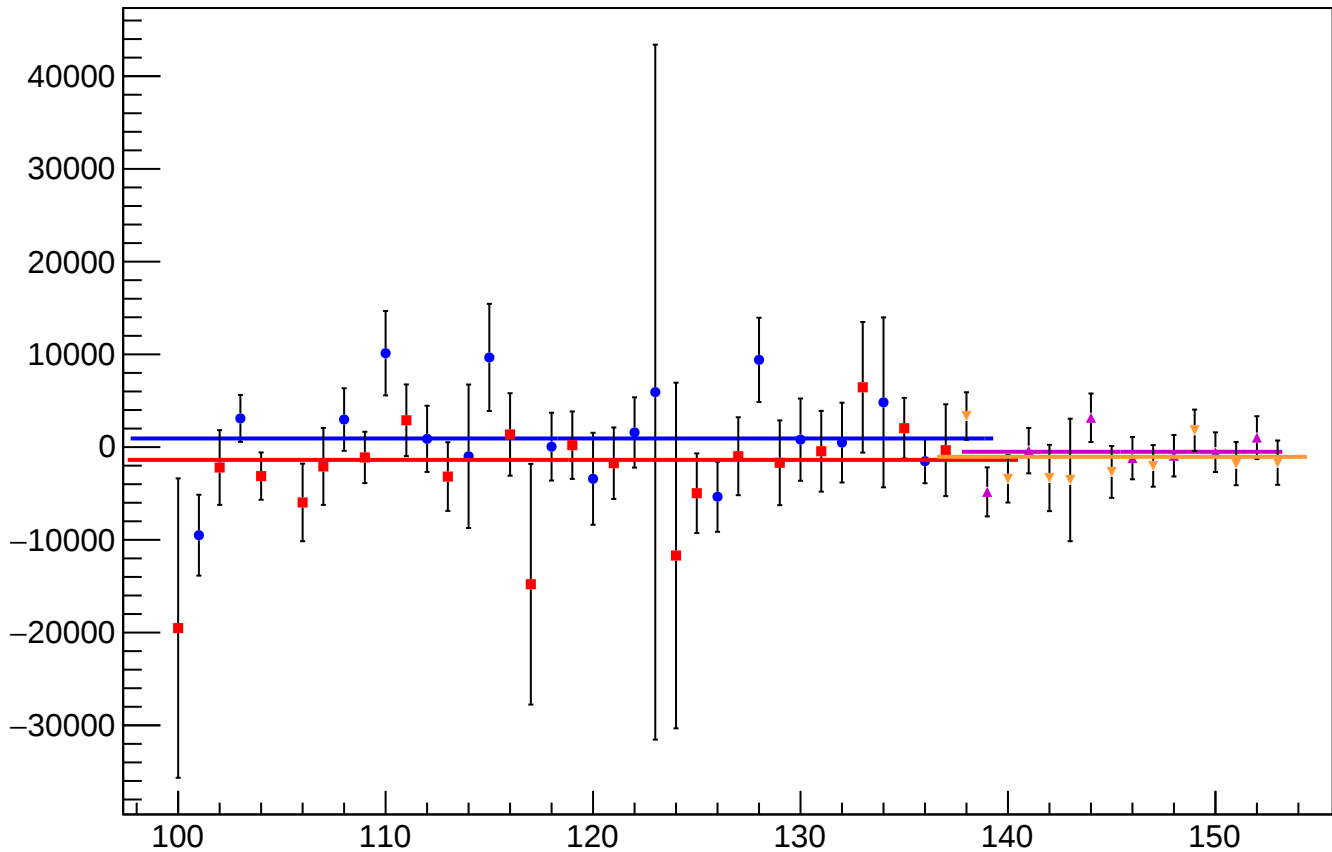
1167.358+/-0.242 χ^2/NDF : 3081398.8/25

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

1130.813+/-0.239 χ^2/NDF : 2684641.9/26

Left In: 982.292+/-0.291 χ^2/NDF : 60518.1/6

asym_at2_dd_mean vs Slug



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

Left Out: -1049.306 ± 879.229 χ^2/NDF : 6.7/8

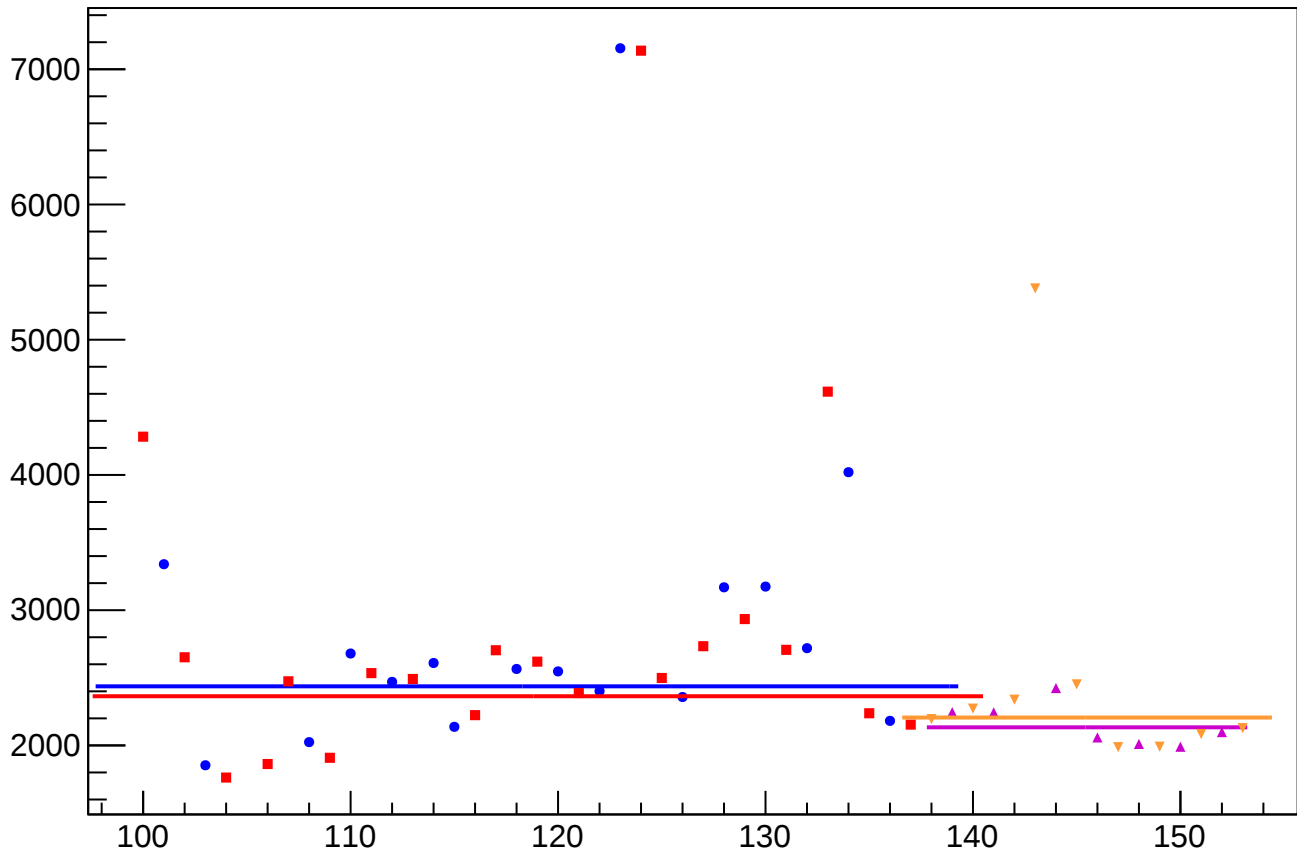
Right Out: -1375.966 ± 923.072 χ^2/NDF : 9.6/19

Left In: -505.012 ± 892.635 χ^2/NDF : 5.2/6

-153.218 ± 650.817 χ^2/NDF : 30.6/25

-925.893 ± 641.679 χ^2/NDF : 15.2/26

asym_at2_dd_rms vs Slug



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

Left Out: 2206.134+/-0.622 χ^2/NDF : 526609.8/8

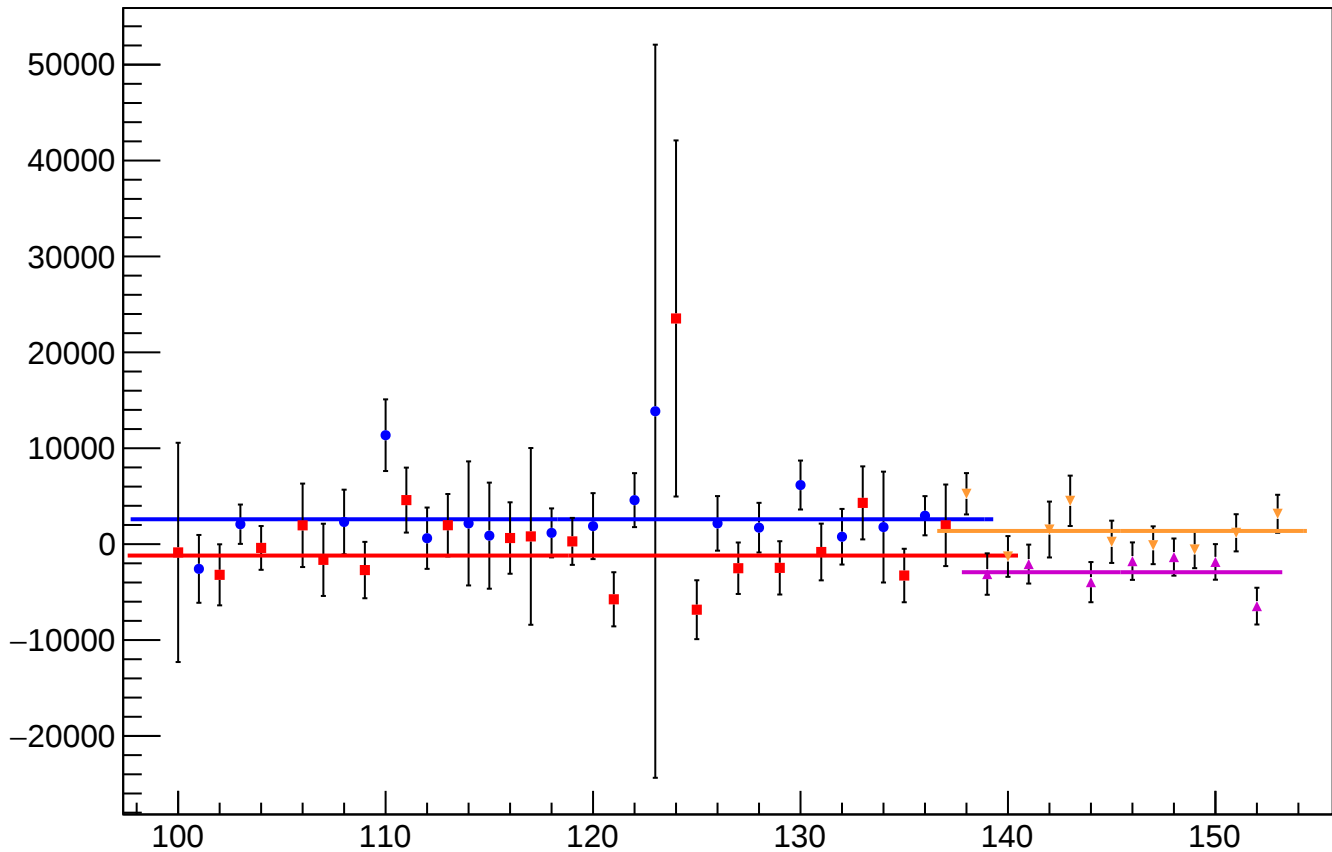
Right Out: 2363.609+/-0.653 χ^2/NDF : 657228.5/19

Left In: 2133.801+/-0.631 χ^2/NDF : 49962.7/6

2310.439+/-0.460 χ^2/NDF : 1057901.9/25

2244.854+/-0.454 χ^2/NDF : 771250.3/26

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2594.684 $\pm$ 743.000 χ^2 /NDF: 11.7/16

Left Out: 1376.680 $\pm$ 716.691 χ^2 /NDF: 8.9/8

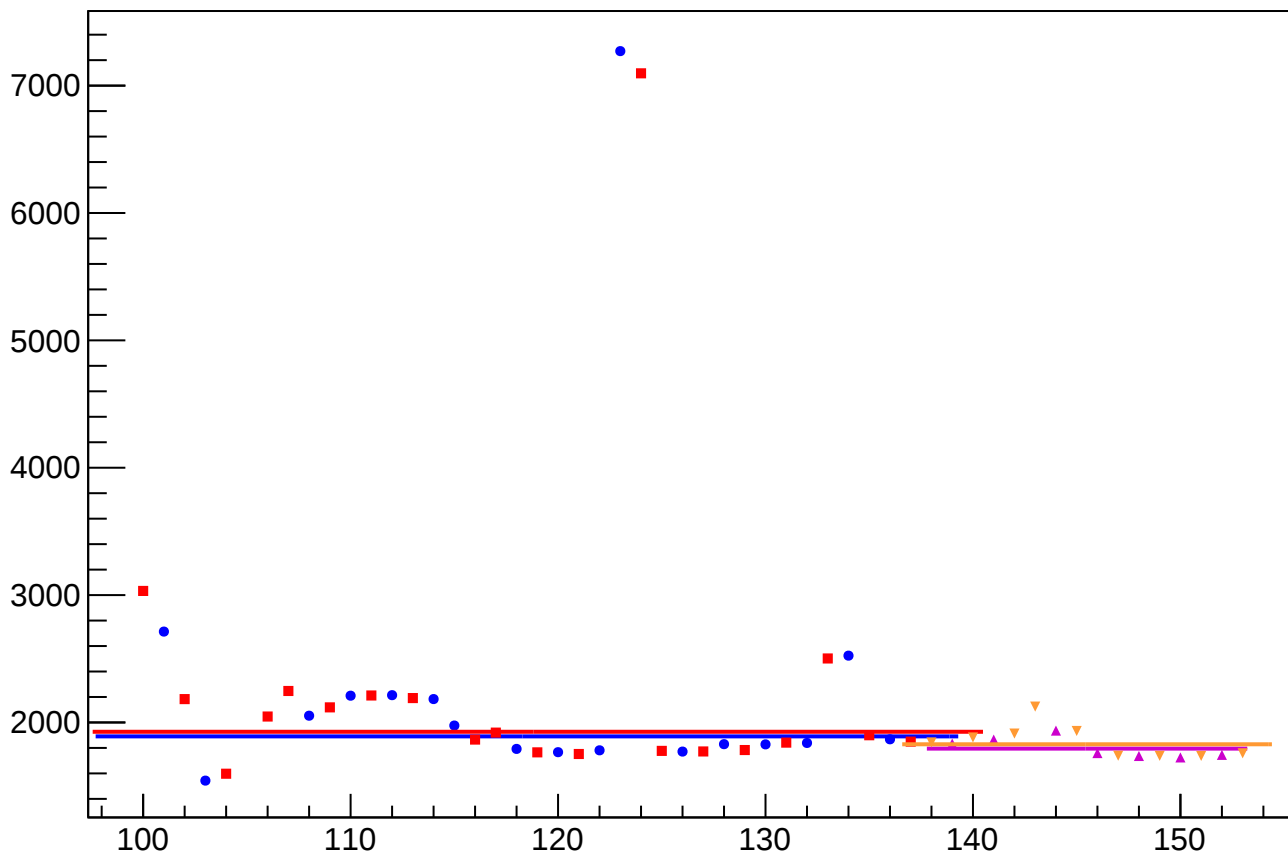
Right Out: -1189.680 $\pm$ 737.247 χ^2 /NDF: 17.3/19

Left In: -2926.232 $\pm$ 750.357 χ^2 /NDF: 5.2/6

1963.736 $\pm$ 515.827 χ^2 /NDF: 21.9/25

-2042.653 $\pm$ 525.886 χ^2 /NDF: 25.2/26

reg_asym_atl1r2_avg_rms vs Slug



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

Left Out: 1828.665+/-0.507 χ^2/NDF : 48348.2/8

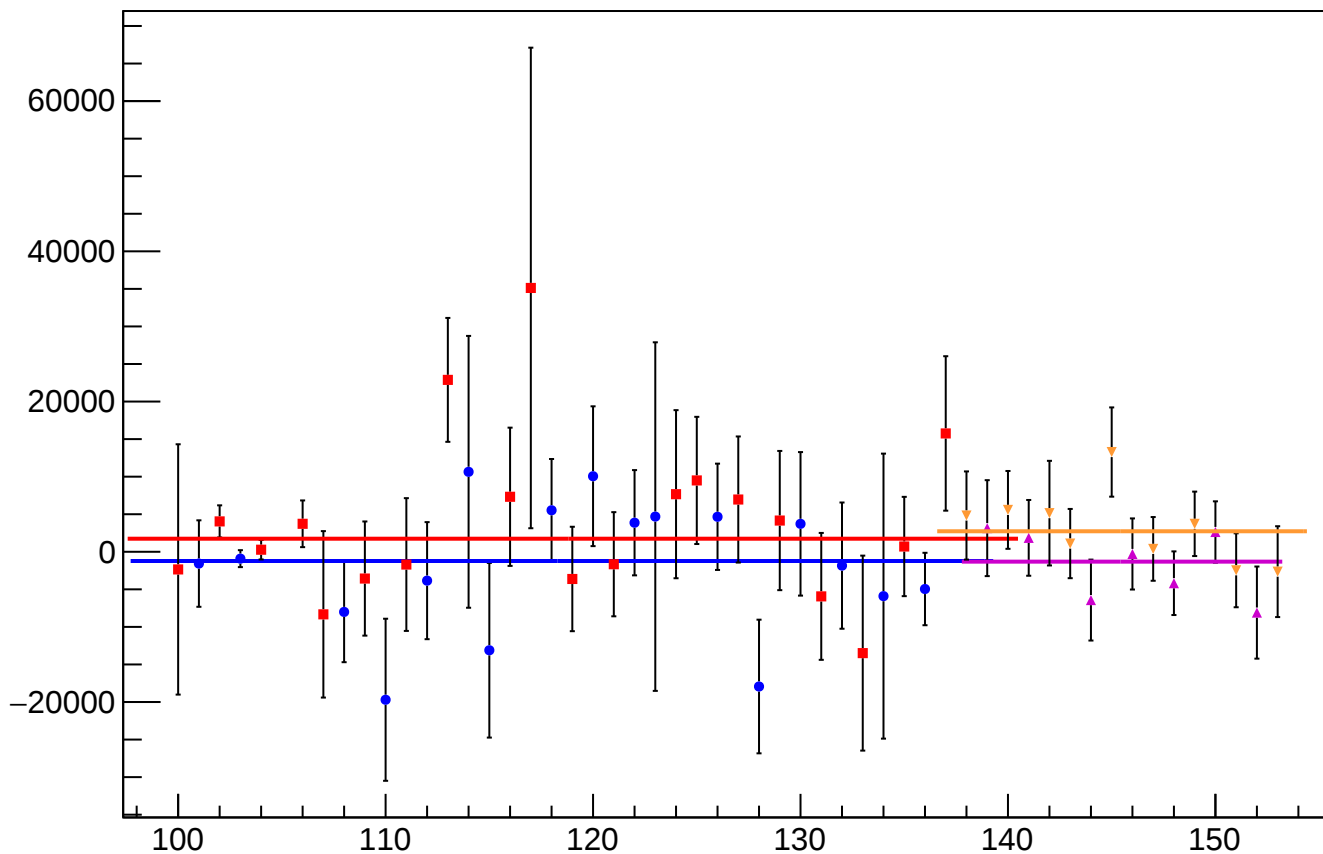
Right Out: 1926.906+/-0.520 χ^2/NDF : 362255.6/19

Left In: 1794.637+/-0.531 χ^2/NDF : 18763.1/6

1858.575+/-0.365 χ^2/NDF : 344520.3/25

1862.040+/-0.372 χ^2/NDF : 412687.8/26

asym_atl1r2_avg_correction_mean vs Slug



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

Left Out: 2731.393+/-1712.827 χ^2/NDF : 6.1/8

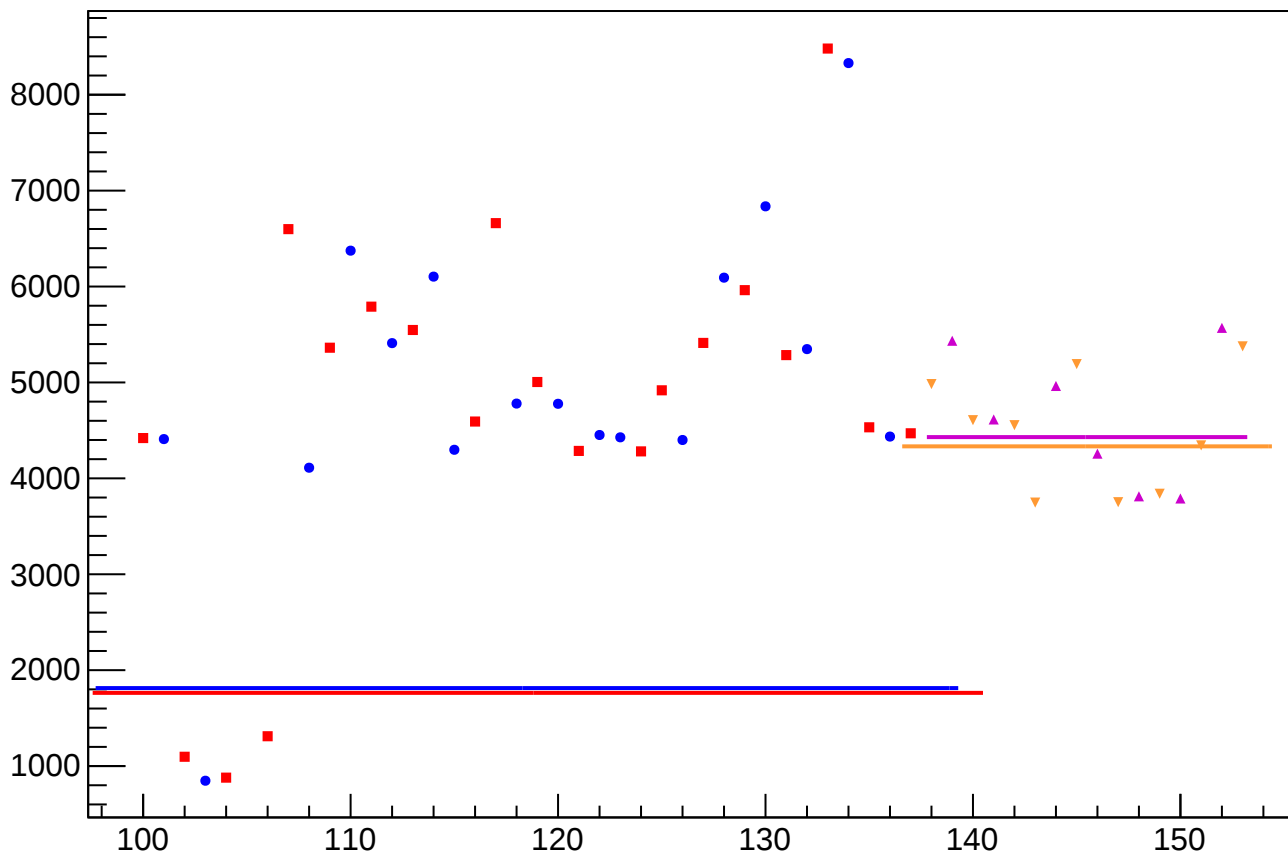
Right Out: 1740.671+/-941.173 χ^2/NDF : 18.9/19

Left In: -1312.667+/-1872.220 χ^2/NDF : 4.4/6

-243.790+/-853.617 χ^2/NDF : 23.9/25

1124.716+/-840.899 χ^2/NDF : 25.5/26

asym_atl1r2_avg_correction_rms vs Slug



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

Left Out: 4333.570+/-1.211 χ^2/NDF :229772.5/8

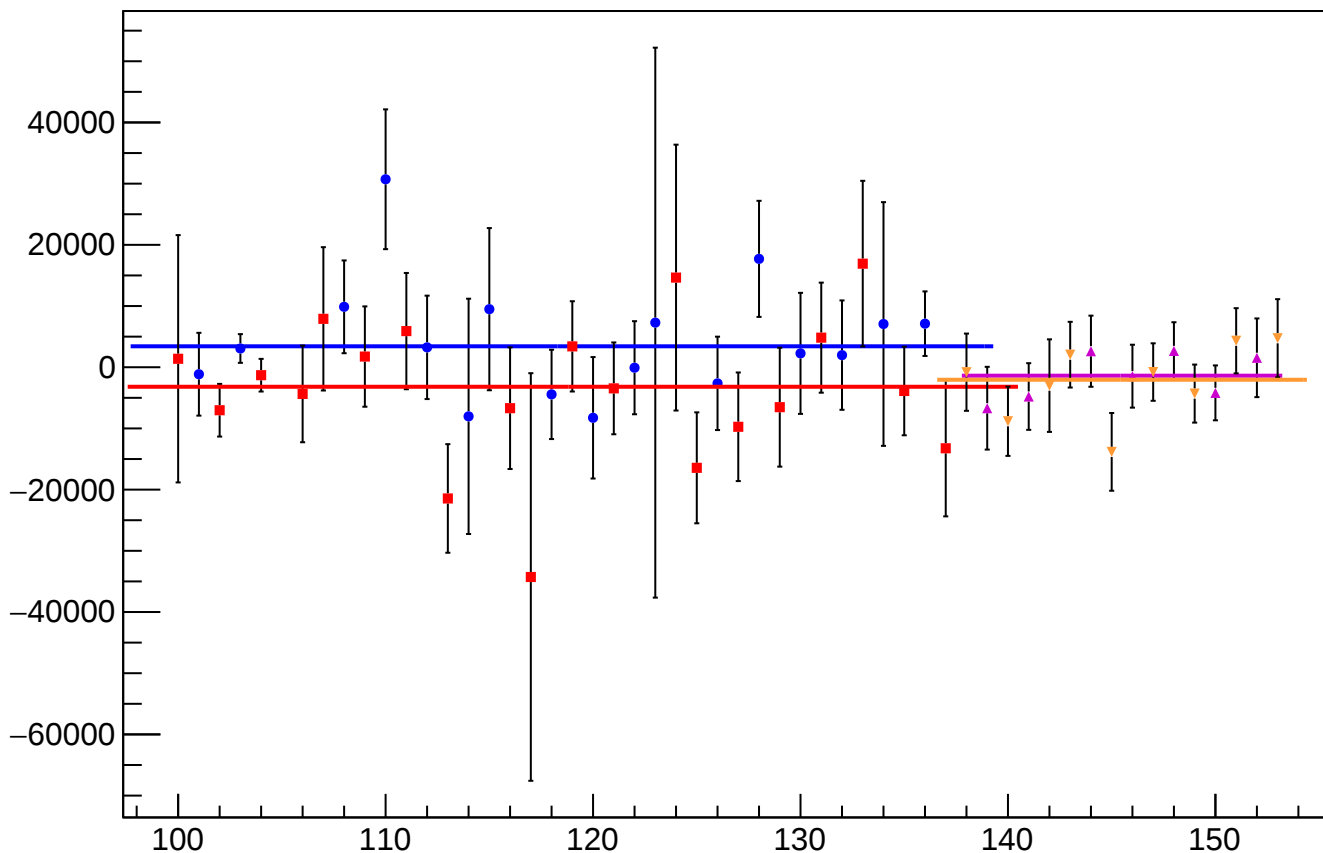
Right Out: 1763.378+/-0.666 χ^2/NDF : 6359993.8/19

Left In: 4430.141+/-1.324 χ^2/NDF :235102.9/6

2439.181+/-0.604 χ^2/NDF : 9933705.6/25

2301.349+/-0.595 χ^2/NDF : 9834269.6/26

asym_atl1r2_avg_mean vs Slug



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

Left Out: -2048.471+/-1880.131 χ^2/NDF : 8.4/8

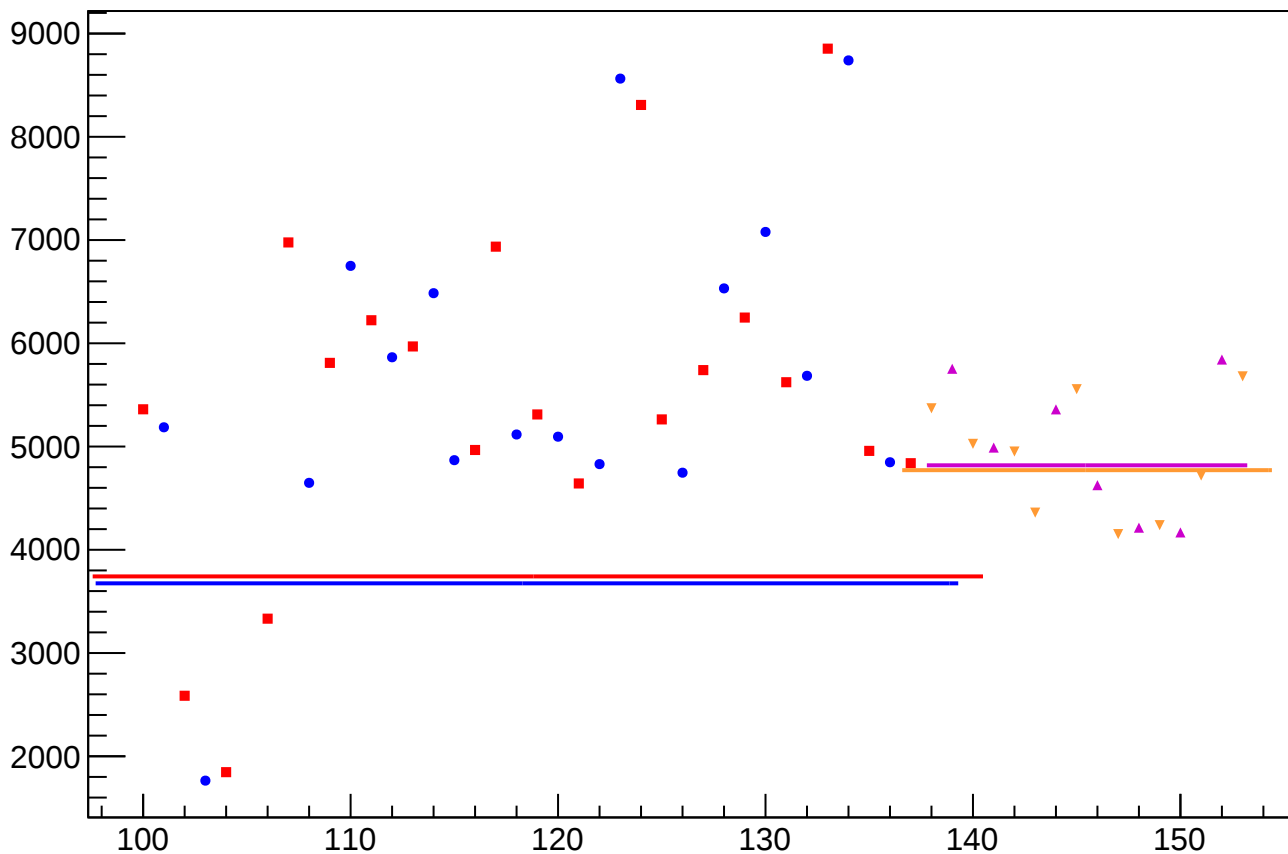
Right Out: -3190.143+/-1604.066 χ^2/NDF : 16.9/19

Left In: -1381.715+/-2031.106 χ^2/NDF : 2.8/6

1112.738+/-1221.440 χ^2/NDF : 27.0/25

-2495.481+/-1258.835 χ^2/NDF : 20.2/26

asym_atl1r2_avg_rms vs Slug



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

Left Out: 4771.134+/-1.329 χ^2/NDF :166131.0/8

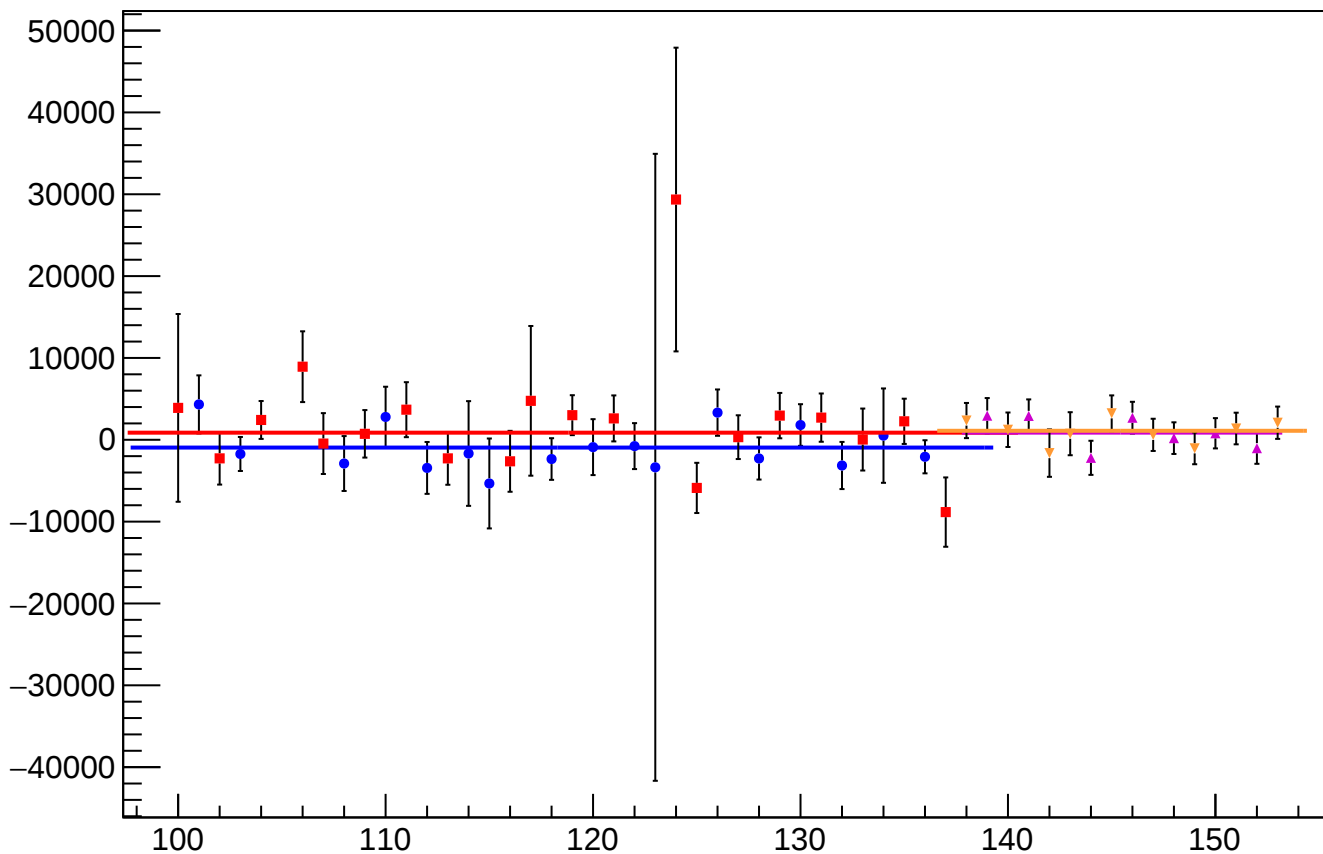
Right Out: 3742.124+/-1.127 χ^2/NDF : 2712365.3/19

Left In: 4818.188+/-1.436 χ^2/NDF :186404.5/6

4137.630+/-0.864 χ^2/NDF : 3334102.2/25

4152.088+/-0.886 χ^2/NDF : 3246260.1/26

reg_asym_atl1r2_dd_mean vs Slug



Right In: -951.377+/-740.668 χ^2/NDF : 10.0/16

Left Out: 1099.411+/-713.998 χ^2/NDF : 3.7/8

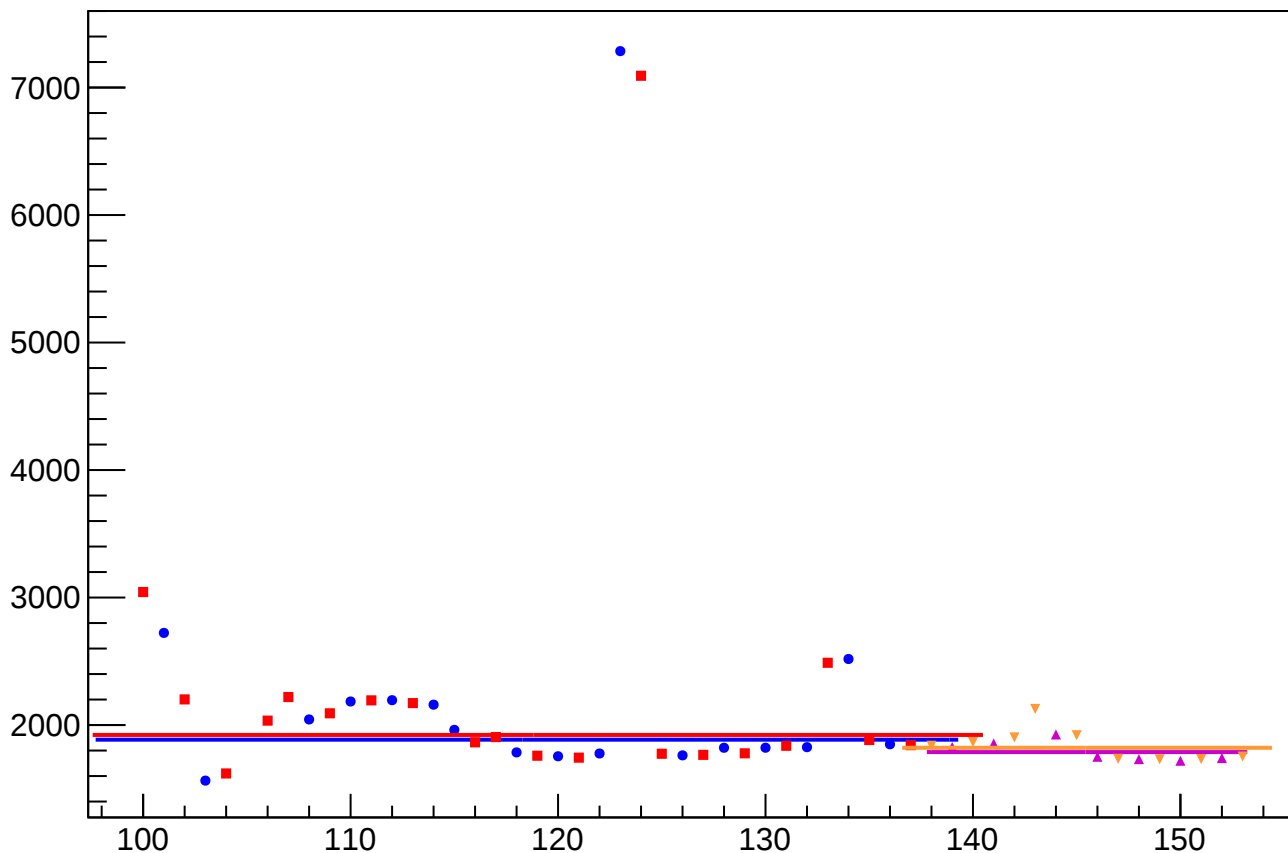
Right Out: 868.810+/-735.140 χ^2/NDF : 22.7/19

Left In: 874.104+/-747.549 χ^2/NDF : 6.1/6

111.604+/-514.043 χ^2/NDF : 17.7/25

871.413+/-524.155 χ^2/NDF : 28.8/26

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1885.360+/-0.524 χ^2/NDF : 280429.0/16

Left Out: 1821.799+/-0.505 χ^2/NDF : 48303.8/8

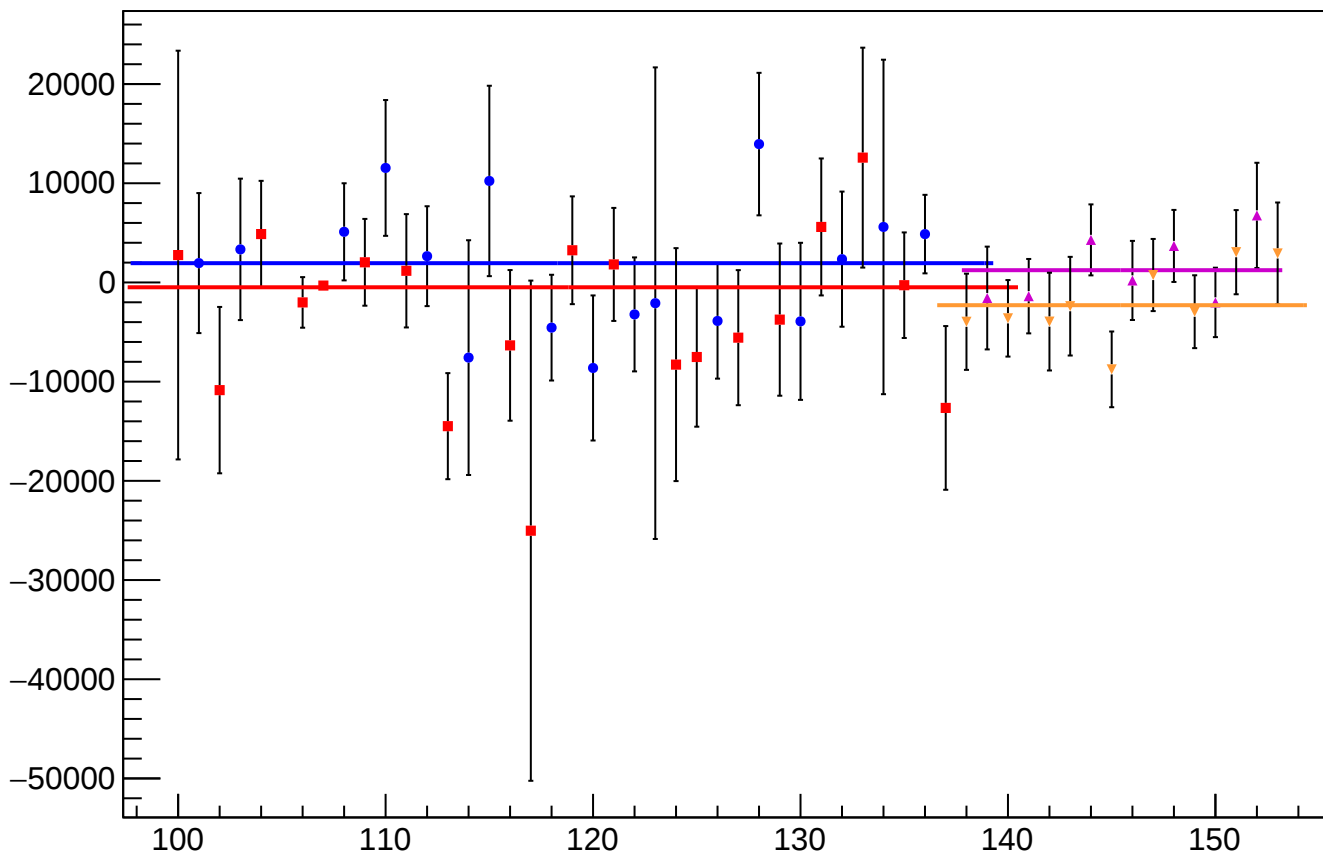
Right Out: 1922.430+/-0.519 χ^2/NDF : 351518.8/19

Left In: 1788.005+/-0.529 χ^2/NDF : 17896.8/6

1852.414+/-0.363 χ^2/NDF : 336367.2/25

1856.447+/-0.370 χ^2/NDF : 402342.2/26

asym_atl1r2_dd_correction_mean vs Slug



Right In: 1943.178 ± 1581.060 χ^2/NDF : 13.2/16

Left Out: -2293.095 ± 1409.679 χ^2/NDF : 6.6/8

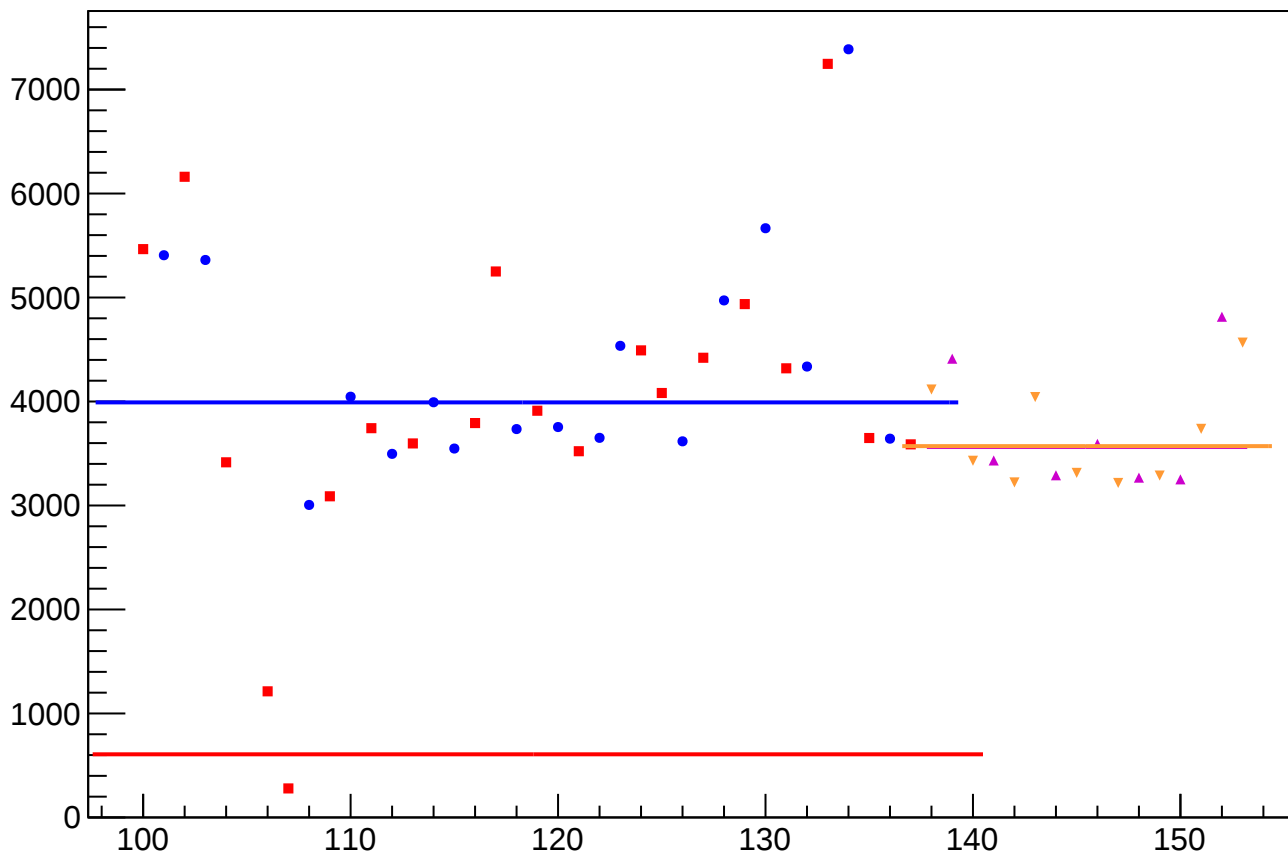
Right Out: -486.774 ± 453.611 χ^2/NDF : 19.0/19

Left In: 1235.685 ± 1503.520 χ^2/NDF : 4.0/6

-416.919 ± 1052.188 χ^2/NDF : 23.8/25

-343.072 ± 434.277 χ^2/NDF : 24.2/26

asym_atl1r2_dd_correction_rms vs Slug



Right In: 3991.416+/-1.118 χ^2/NDF : 510782.7/16

Left Out: 3570.831+/-0.997 χ^2/NDF : 174064.9/8

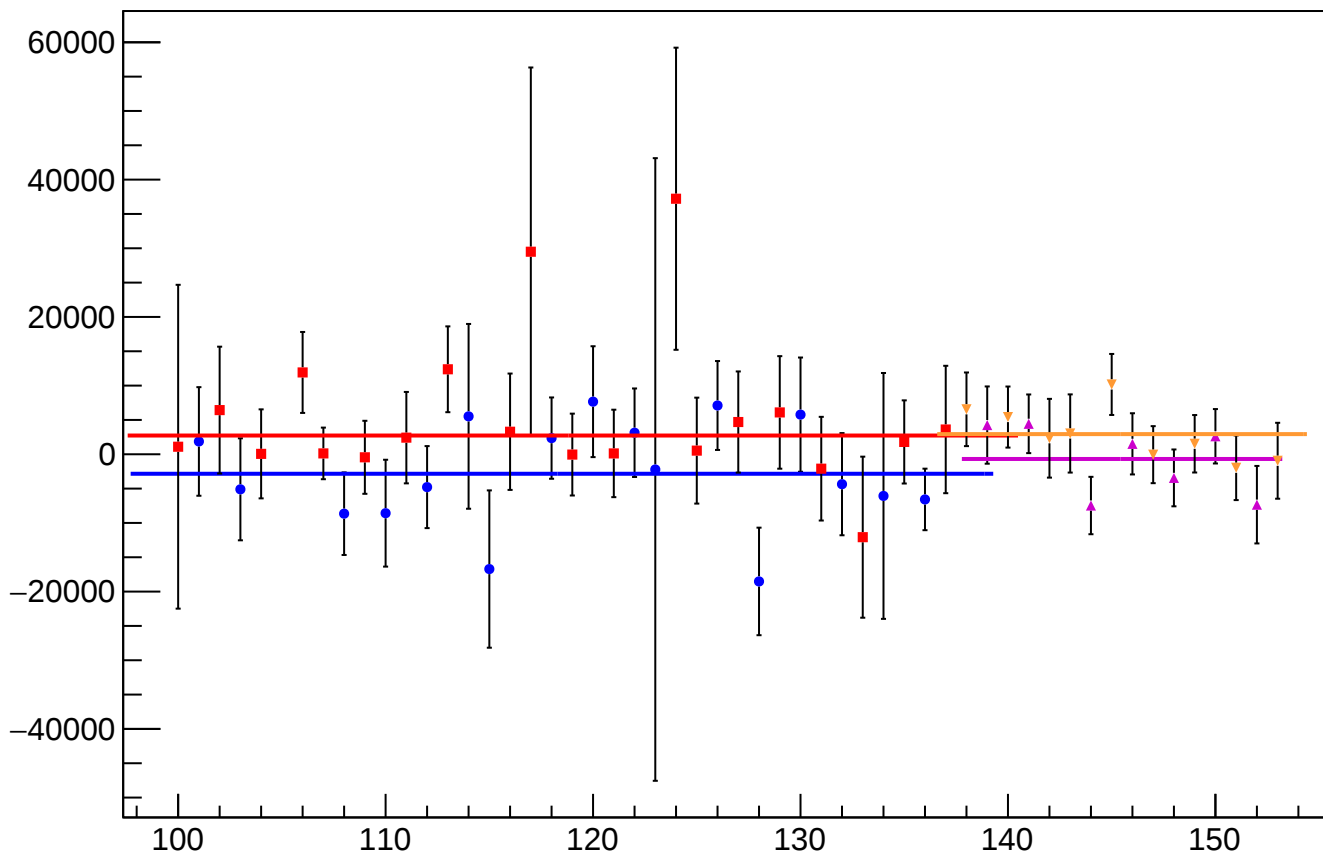
Right Out: 607.234+/-0.321 χ^2/NDF : 10314440.1/19

Left In: 3562.317+/-1.063 χ^2/NDF : 208359.5/6

3757.101+/-0.744 χ^2/NDF : 763695.0/25

853.773+/-0.307 χ^2/NDF : 17604170.1/26

asym_atl1r2_dd_mean vs Slug



Right In: -2839.599+/-1786.019 χ^2/NDF : 15.4/16

Left Out: 2935.076+/-1600.870 χ^2/NDF : 5.6/8

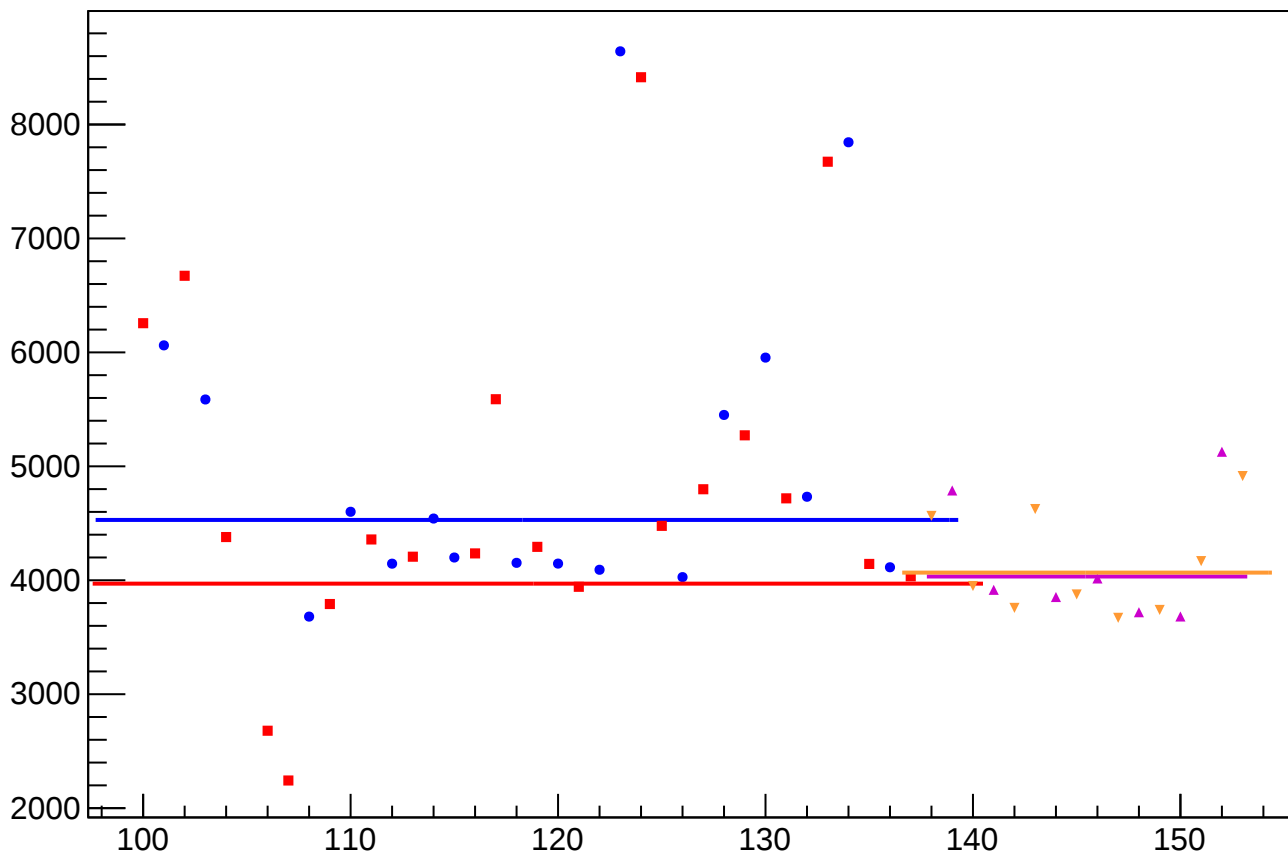
Right Out: 2729.311+/-1572.398 χ^2/NDF : 12.2/19

Left In: -685.798+/-1696.444 χ^2/NDF : 7.6/6

362.480+/-1192.088 χ^2/NDF : 26.8/25

1151.167+/-1153.216 χ^2/NDF : 22.0/26

asym_atl1r2_dd_rms vs Slug



Right In: 4529.462+/-1.263 χ^2/NDF : 389326.2/16

Left Out: 4067.238+/-1.132 χ^2/NDF :125797.5/8

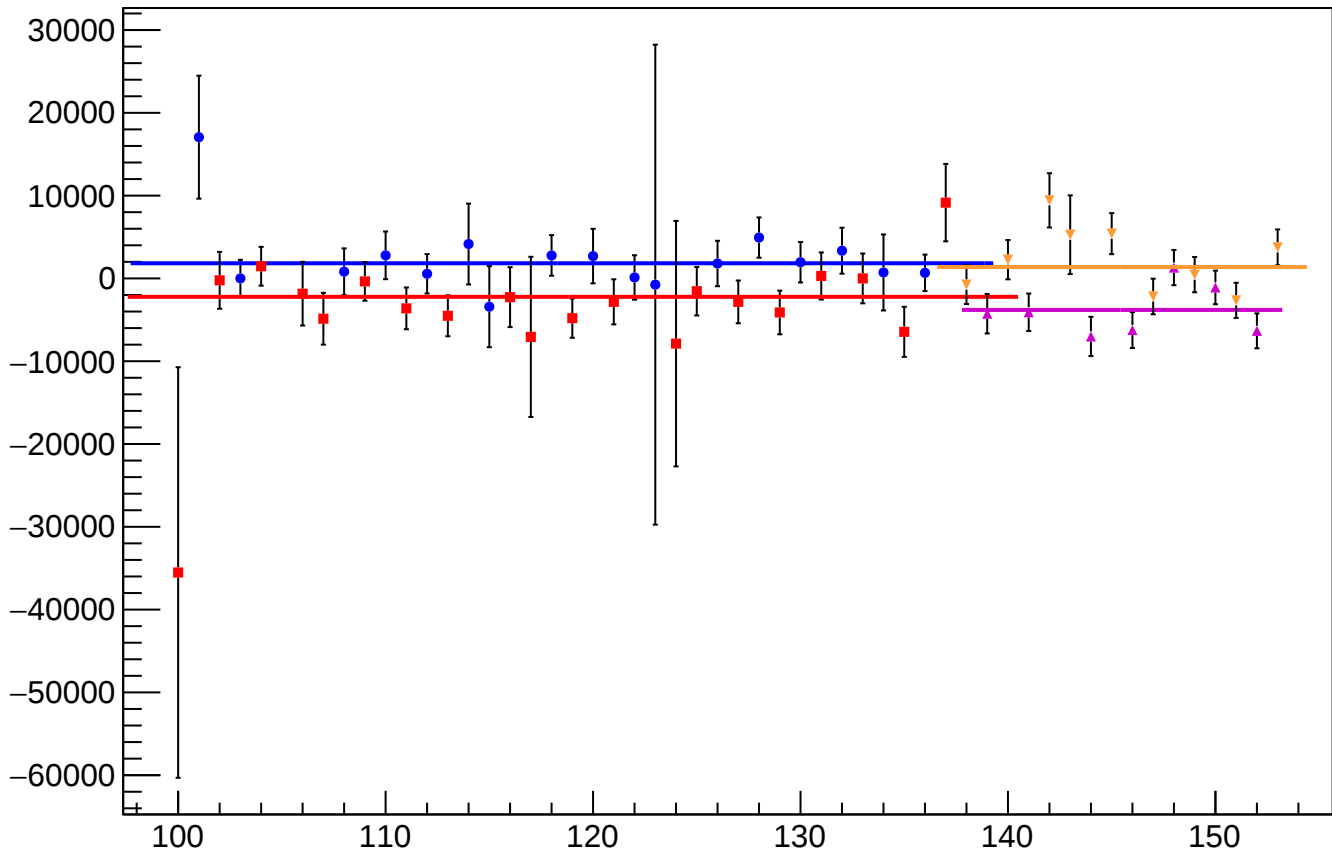
4273.157+/-0.843 χ^2/NDF : 589402.6/25

Right Out: 3970.336+/-1.105 χ^2/NDF : 1147711.9/19

3999.140+/-0.813 χ^2/NDF : 1292897.8/26

Left In: 4033.101+/-1.200 χ^2/NDF :143704.6/6

reg_asym_atr1l2_avg_mean vs Slug



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

Left Out: 1374.211 ± 808.817 χ^2/NDF : 18.0/8

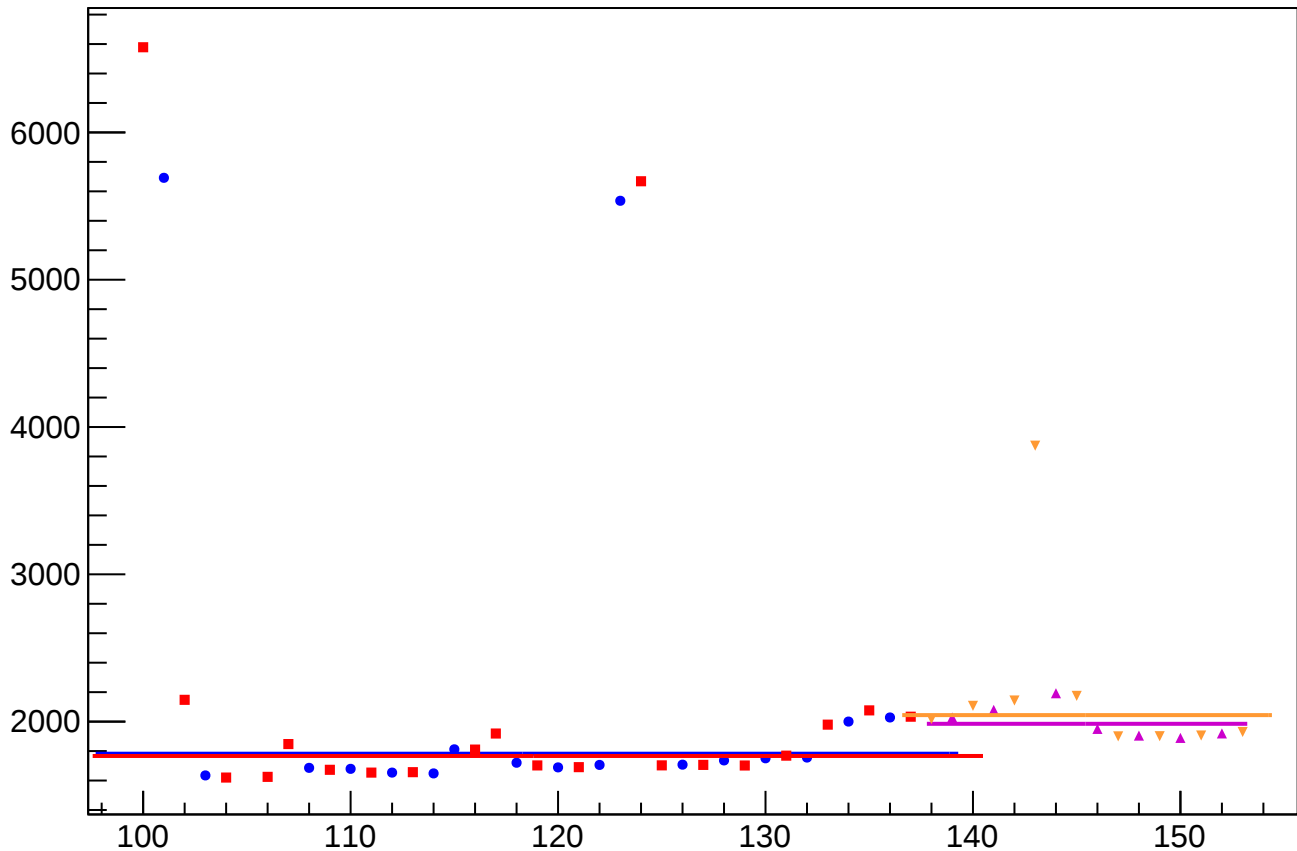
Right Out: -2222.274 ± 682.500 χ^2/NDF : 18.6/19

Left In: -3804.667 ± 830.508 χ^2/NDF : 12.1/6

1631.271 ± 534.148 χ^2/NDF : 27.9/25

-2860.142 ± 527.293 χ^2/NDF : 32.9/26

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1782.137+/-0.503 χ^2/NDF : 645188.8/16

Left Out: 2044.160+/-0.572 χ^2/NDF : 337372.4/8

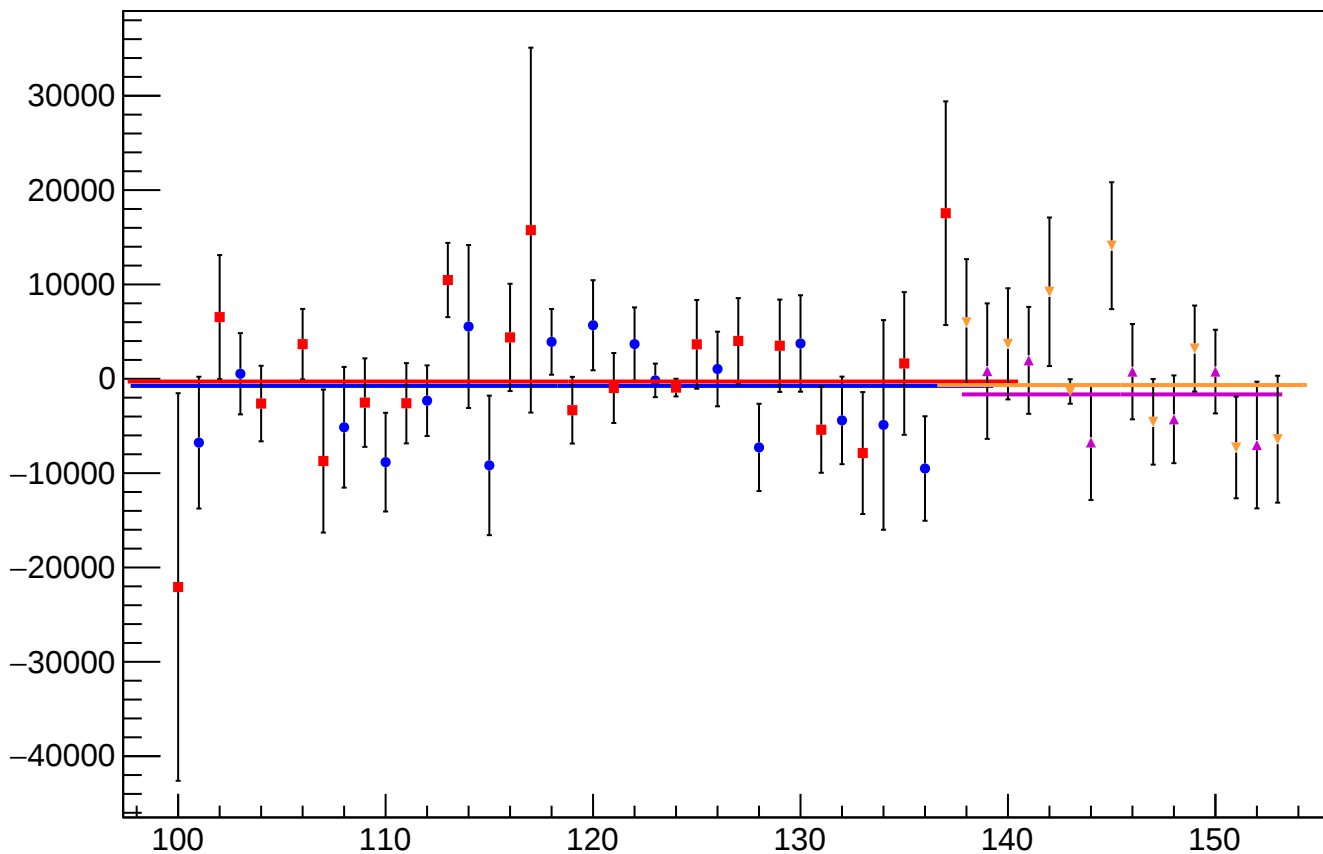
Right Out: 1766.719+/-0.479 χ^2/NDF : 307297.1/19

Left In: 1985.116+/-0.587 χ^2/NDF : 29142.8/6

1896.415+/-0.378 χ^2/NDF : 1100915.4/25

1854.038+/-0.371 χ^2/NDF : 419447.7/26

asym_atr1l2_avg_correction_mean vs Slug



Right In: -753.428+/-1008.523 χ^2/NDF : 16.9/16

Left Out: -665.410+/-1094.205 χ^2/NDF : 11.9/8

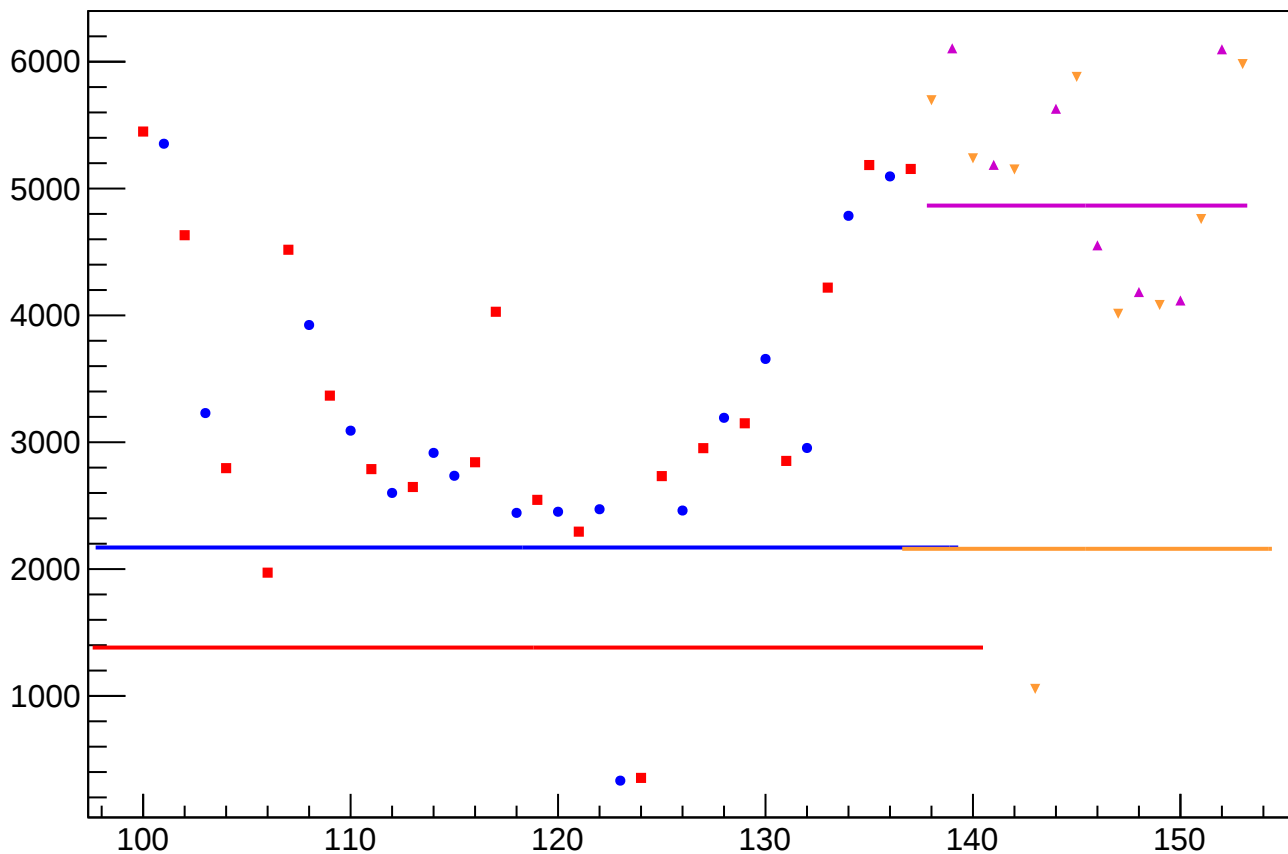
Right Out: -288.847+/-724.622 χ^2/NDF : 22.7/19

Left In: -1653.602+/-2059.336 χ^2/NDF : 2.7/6

-713.000+/-741.577 χ^2/NDF : 28.9/25

-439.206+/-683.541 χ^2/NDF : 25.8/26

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2170.242 ± 0.713 χ^2/NDF : 3973725.5/16

Left Out: 2159.881 ± 0.774 χ^2/NDF : 5249641.0/8

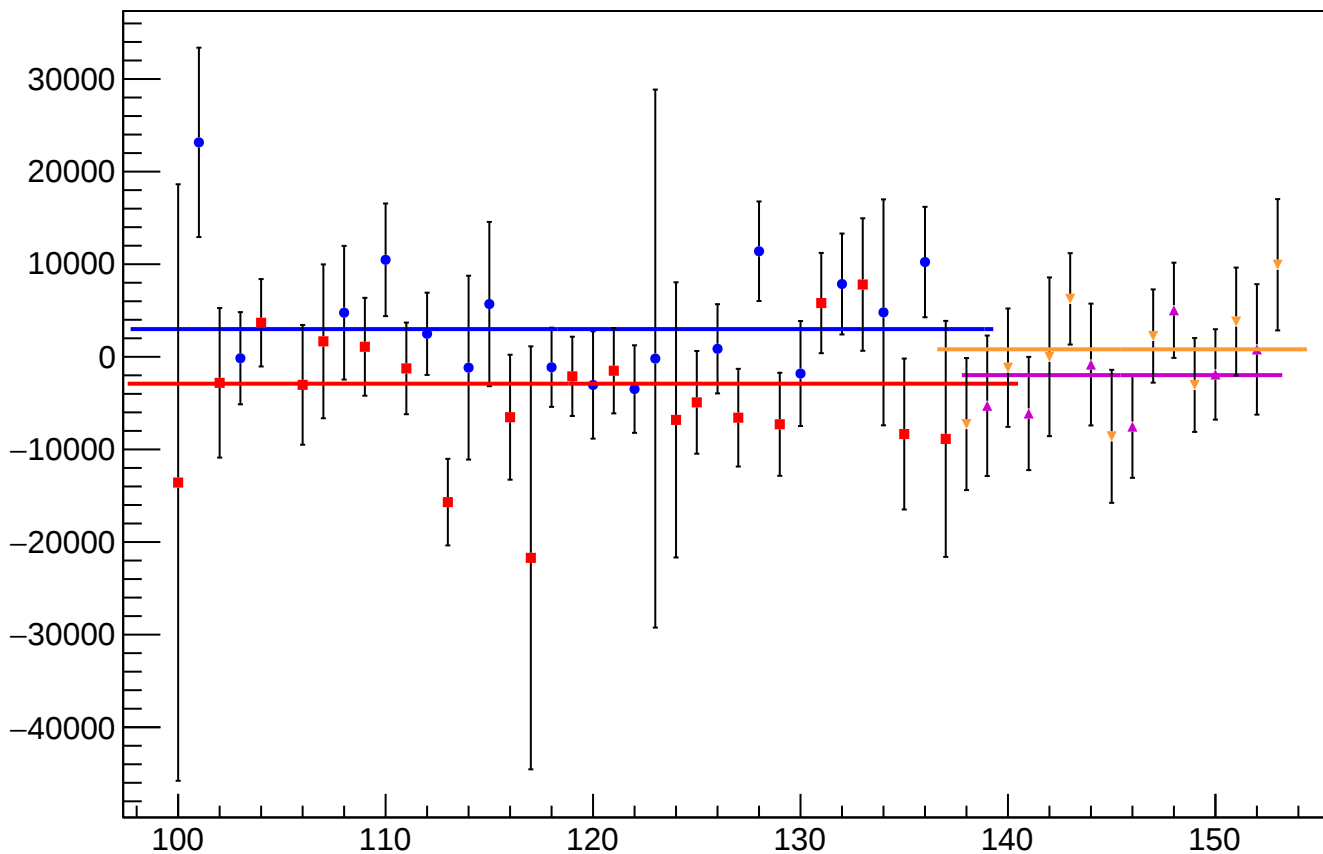
Right Out: 1381.438 ± 0.512 χ^2/NDF : 6884822.3/19

Left In: 4865.758 ± 1.456 χ^2/NDF : 272264.4/6

2165.483 ± 0.524 χ^2/NDF : 9223463.4/25

1765.316 ± 0.483 χ^2/NDF : 12251773.2/26

asym_atr1l2_avg_mean vs Slug



Right In: 2992.806 ± 1447.211 χ^2/NDF : 15.7/16

Left Out: 809.543 ± 2016.496 χ^2/NDF : 6.9/8

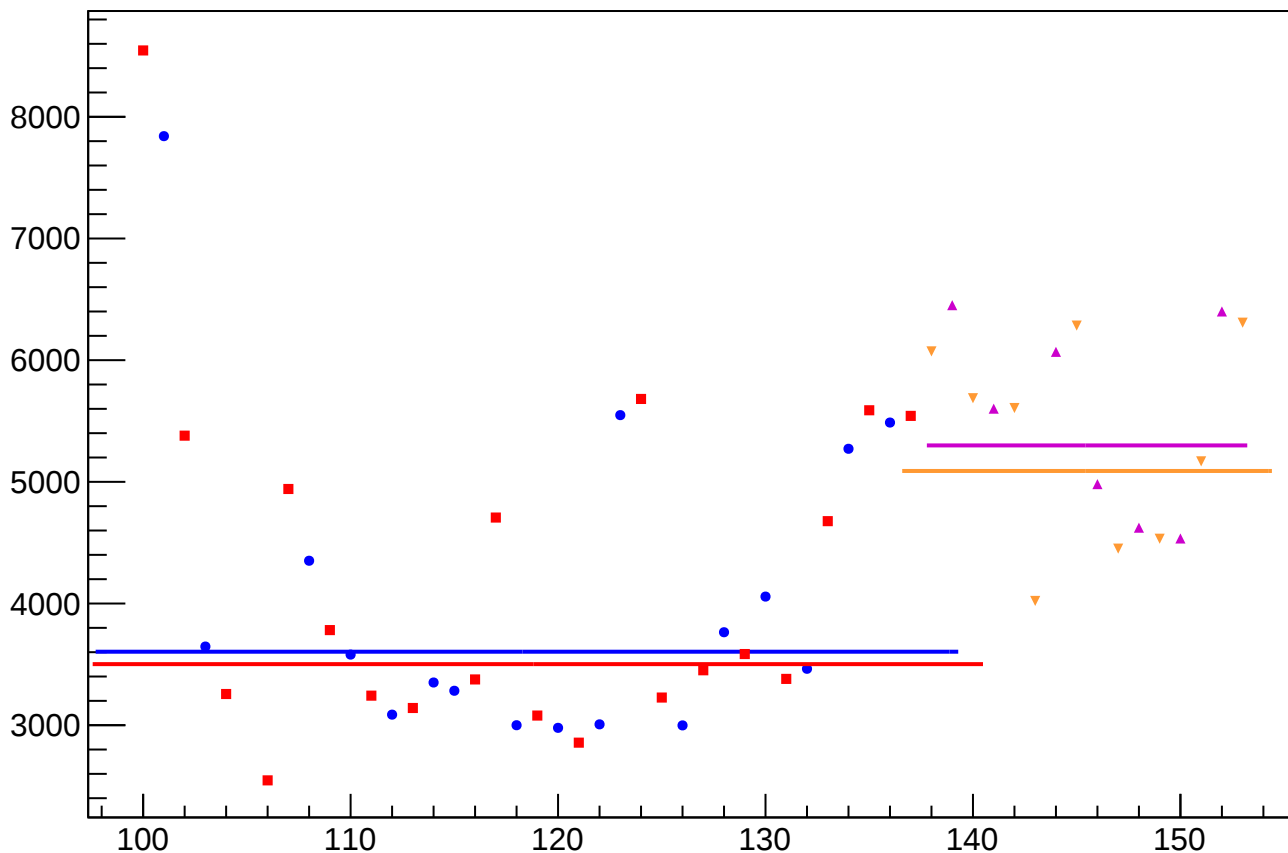
Right Out: -2901.985 ± 1376.603 χ^2/NDF : 18.4/19

Left In: -1975.953 ± 2236.765 χ^2/NDF : 3.7/6

2250.572 ± 1175.750 χ^2/NDF : 23.4/25

-2647.589 ± 1172.364 χ^2/NDF : 22.2/26

asym_atr1l2_avg_rms vs Slug



Right In: 3603.930 ± 1.023 χ^2/NDF : 784674.5/16

Left Out: 5089.404 ± 1.426 χ^2/NDF : 327647.5/8

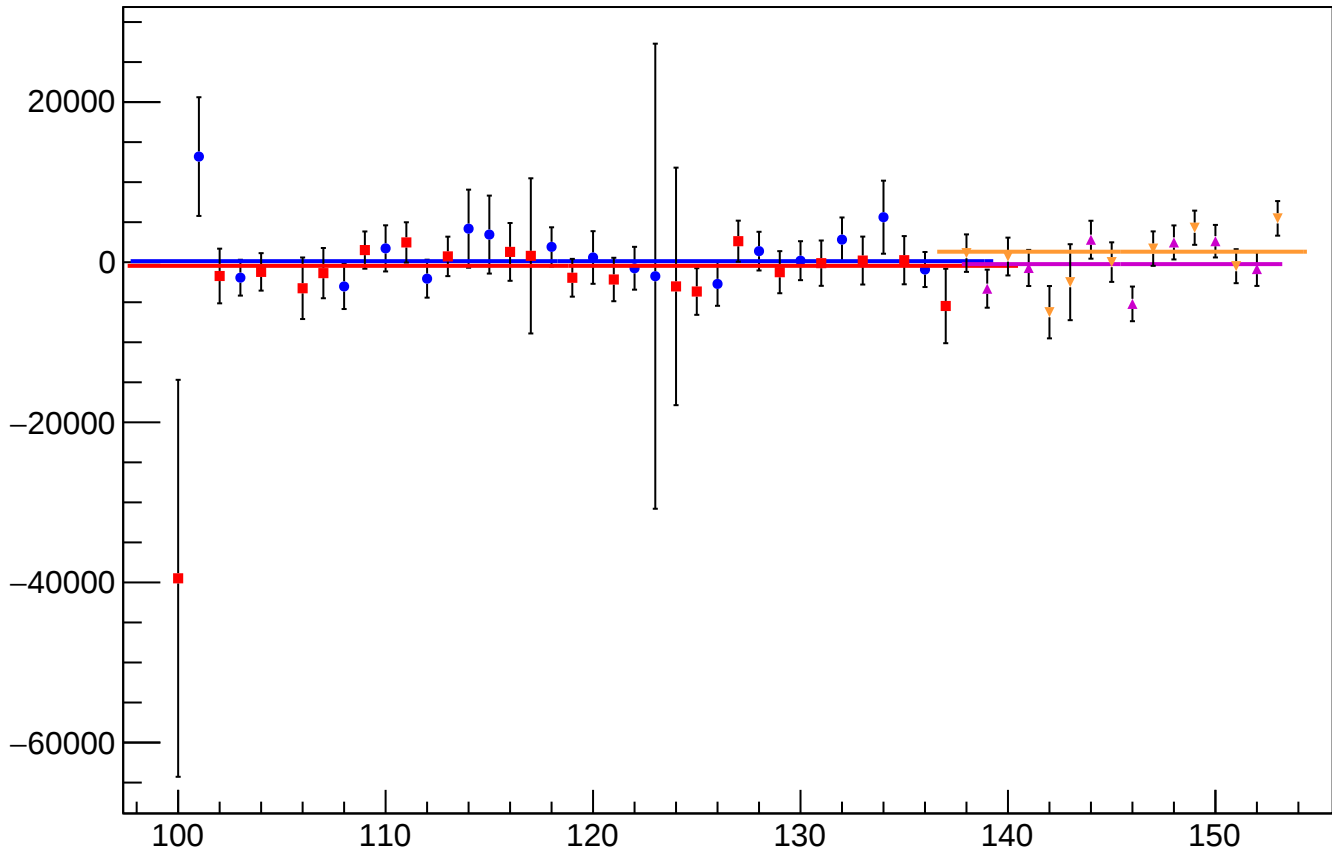
Right Out: 3501.857 ± 0.960 χ^2/NDF : 667483.1/19

Left In: 5299.414 ± 1.582 χ^2/NDF : 217556.8/6

4108.936 ± 0.831 χ^2/NDF : 1828685.8/25

3985.749 ± 0.821 χ^2/NDF : 1829006.4/26

reg_asym_atr1l2_dd_mean vs Slug



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

Left Out: 1313.427 ± 807.324 χ^2/NDF : 12.8/8

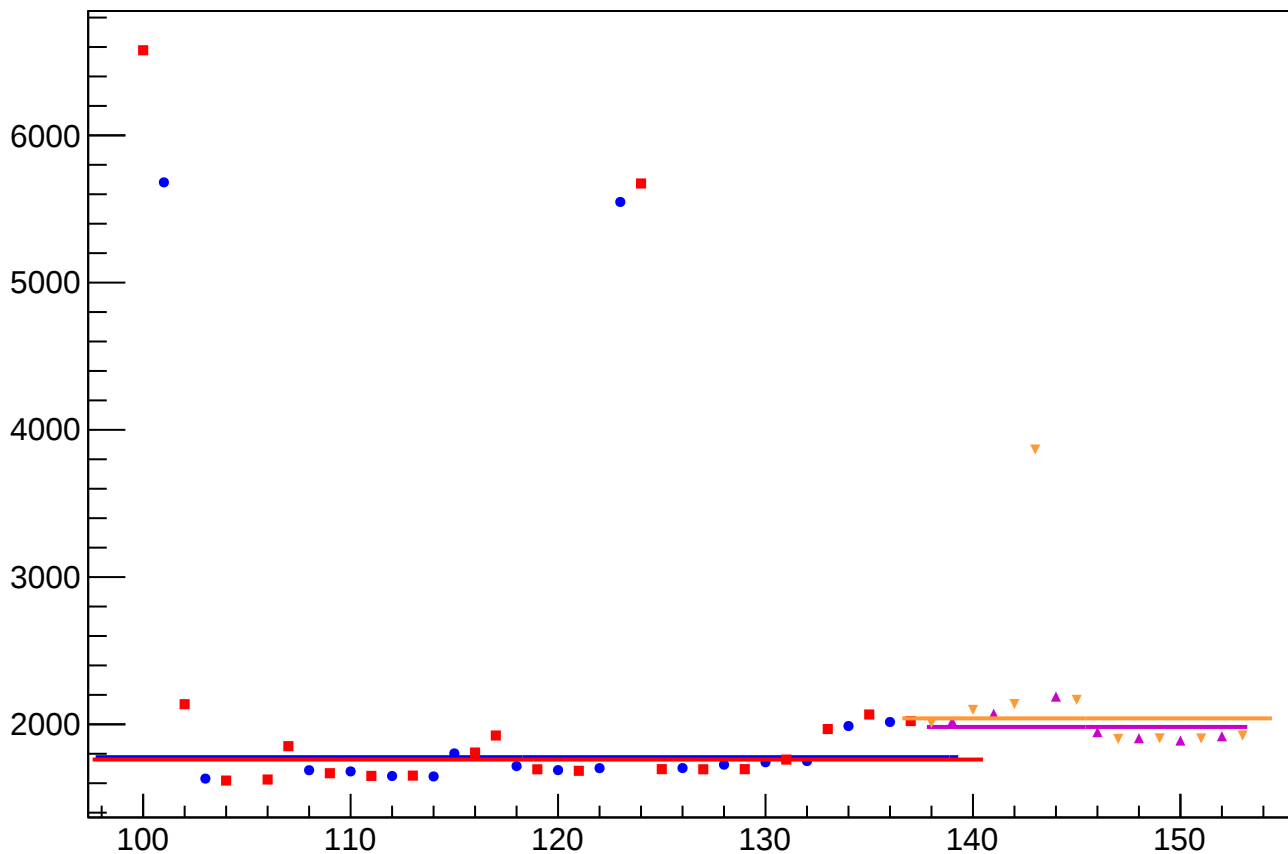
Right Out: -452.872 ± 680.160 χ^2/NDF : 10.7/19

Left In: -237.465 ± 829.199 χ^2/NDF : 12.3/6

645.982 ± 532.816 χ^2/NDF : 26.1/25

-366.233 ± 525.879 χ^2/NDF : 23.1/26

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1776.879+/-0.501 χ^2/NDF : 643576.8/16

Left Out: 2040.544+/-0.571 χ^2/NDF : 335280.7/8

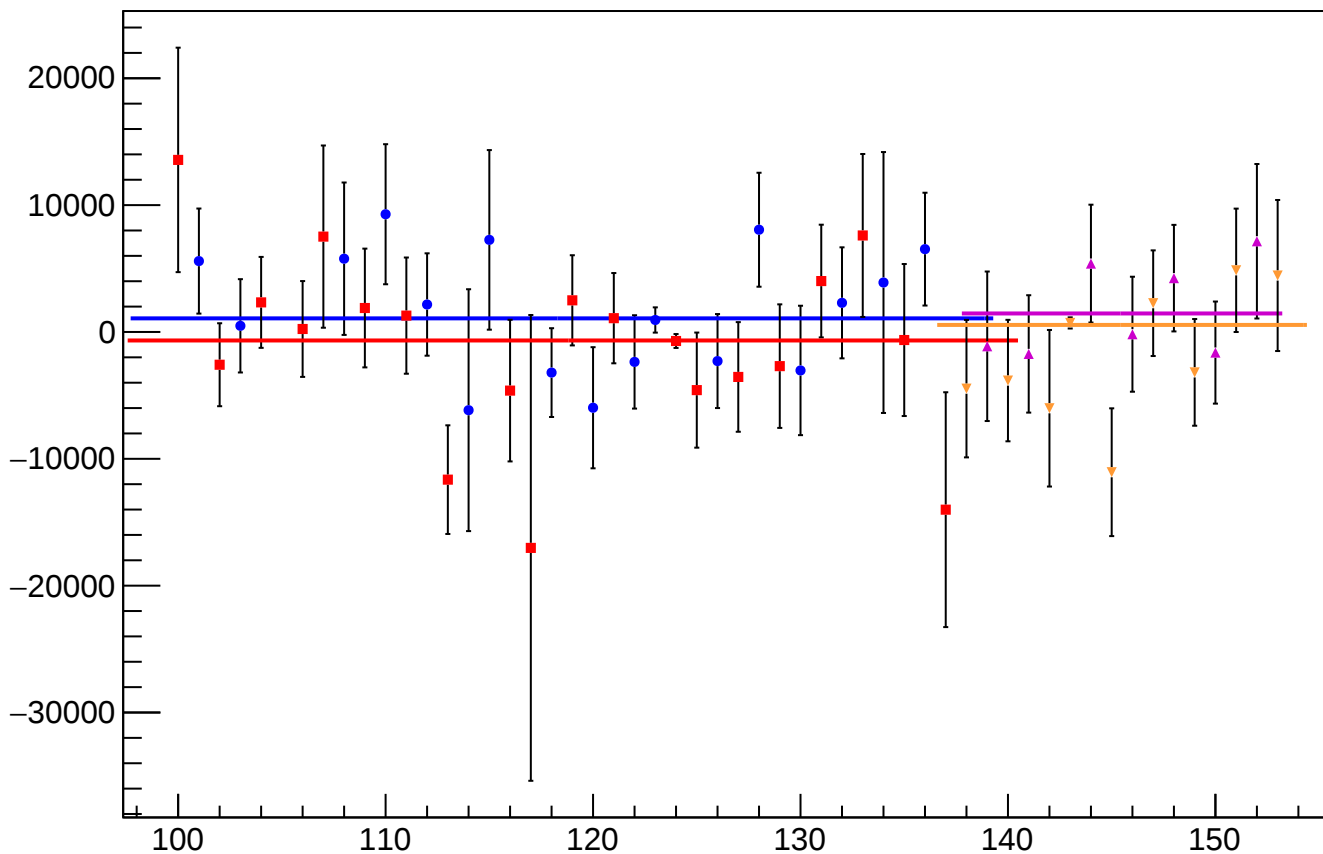
Right Out: 1760.787+/-0.478 χ^2/NDF : 306724.5/19

Left In: 1982.151+/-0.586 χ^2/NDF : 27910.3/6

1891.724+/-0.377 χ^2/NDF : 1099263.8/25

1849.100+/-0.370 χ^2/NDF : 420306.5/26

asym_atr1l2_dd_correction_mean vs Slug



Right In: 1072.194+/-752.280 χ^2/NDF : 15.6/16

Left Out: 555.406+/-425.662 χ^2/NDF : 10.4/8

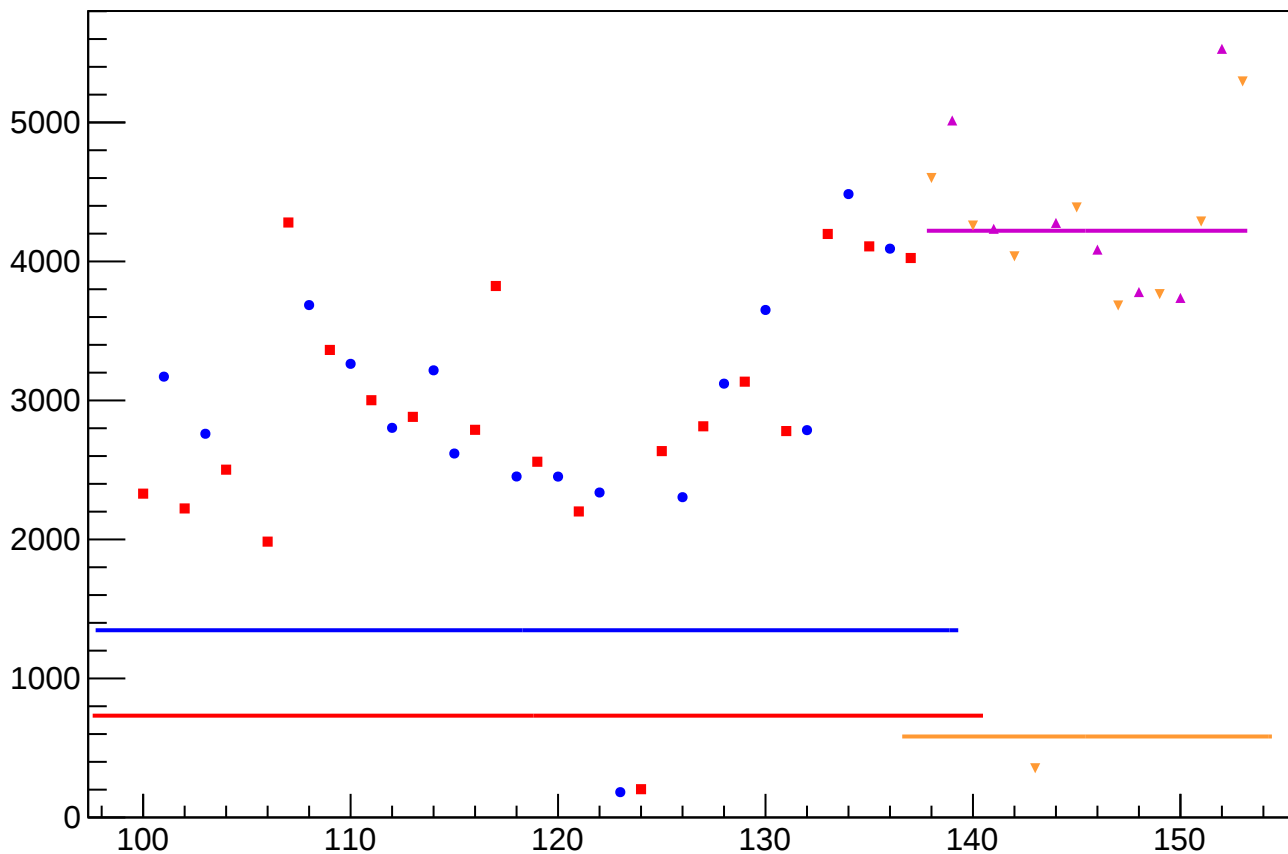
Right Out: -670.313+/-487.861 χ^2/NDF : 20.6/19

Left In: 1459.120+/-1779.077 χ^2/NDF : 3.4/6

680.736+/-370.468 χ^2/NDF : 26.4/25

-521.384+/-470.492 χ^2/NDF : 25.3/26

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1346.836+/-0.532 χ^2/NDF : 6839112.6/16

Left Out: 582.440+/-0.301 χ^2/NDF : 9256477.6/8

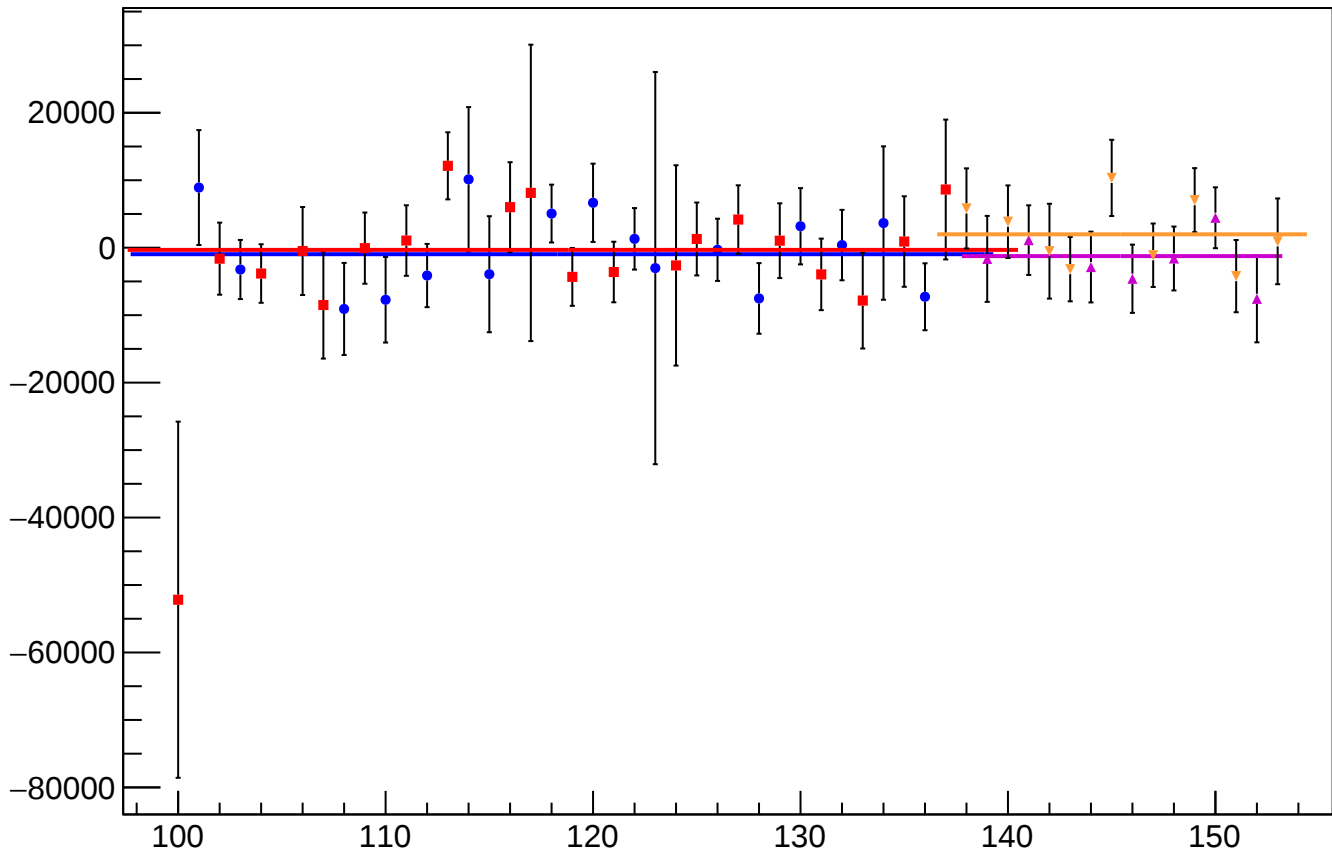
Right Out: 732.303+/-0.345 χ^2/NDF : 9559853.6/19

Left In: 4220.795+/-1.258 χ^2/NDF : 181644.3/6

767.819+/-0.262 χ^2/NDF : 17659748.5/25

976.283+/-0.333 χ^2/NDF : 16893502.3/26

asym_atr1l2_dd_mean vs Slug



Right In: -964.151 ± 1395.626 χ^2/NDF : 13.7/16

Left Out: 1983.820 ± 1802.666 χ^2/NDF : 7.0/8

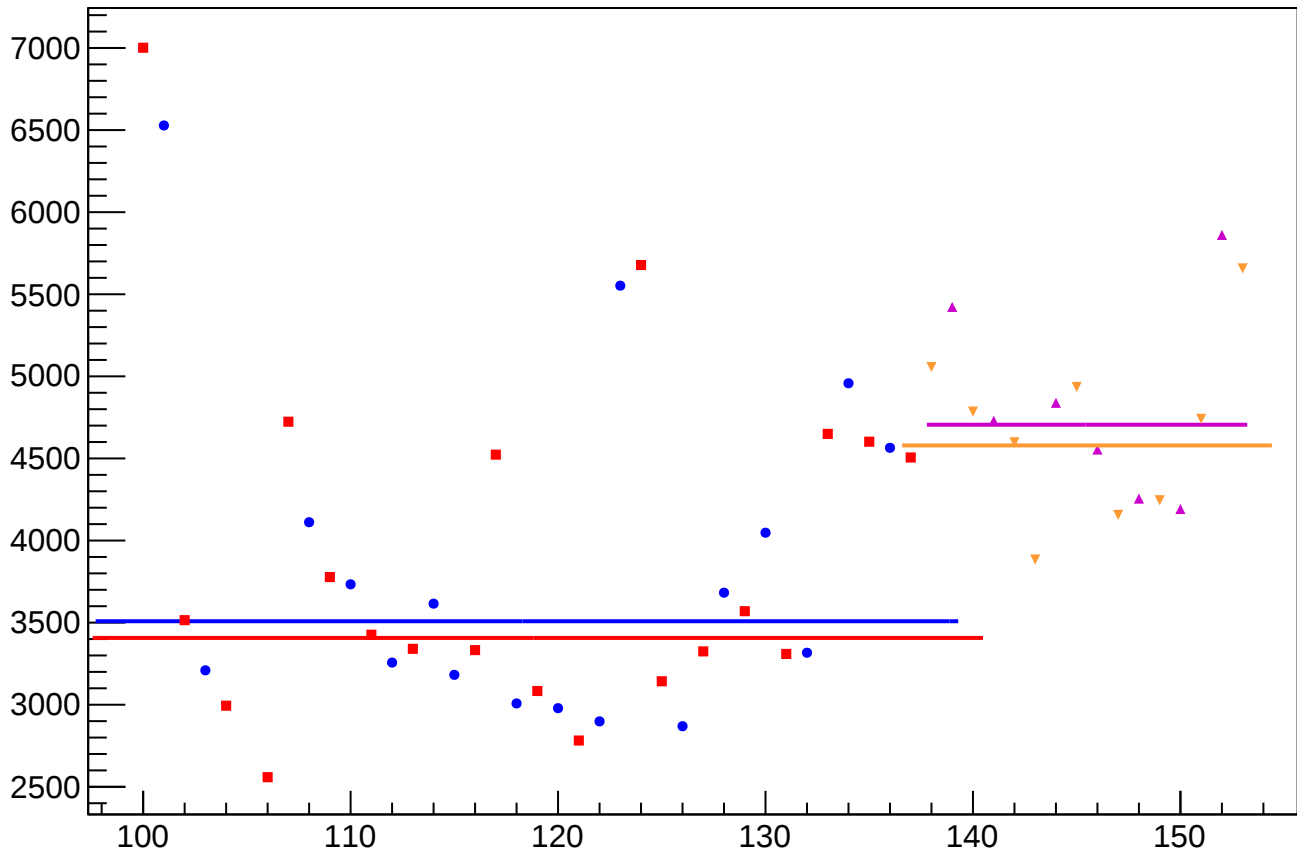
Right Out: -323.694 ± 1327.331 χ^2/NDF : 17.8/19

Left In: -1246.832 ± 1978.610 χ^2/NDF : 3.3/6

140.632 ± 1103.550 χ^2/NDF : 22.4/25

-610.197 ± 1102.278 χ^2/NDF : 21.2/26

asym_atr1l2_dd_rms vs Slug



Right In: 3508.483+/-0.987 χ^2/NDF : 562197.7/16

Left Out: 4579.354+/-1.275 χ^2/NDF :151728.4/8

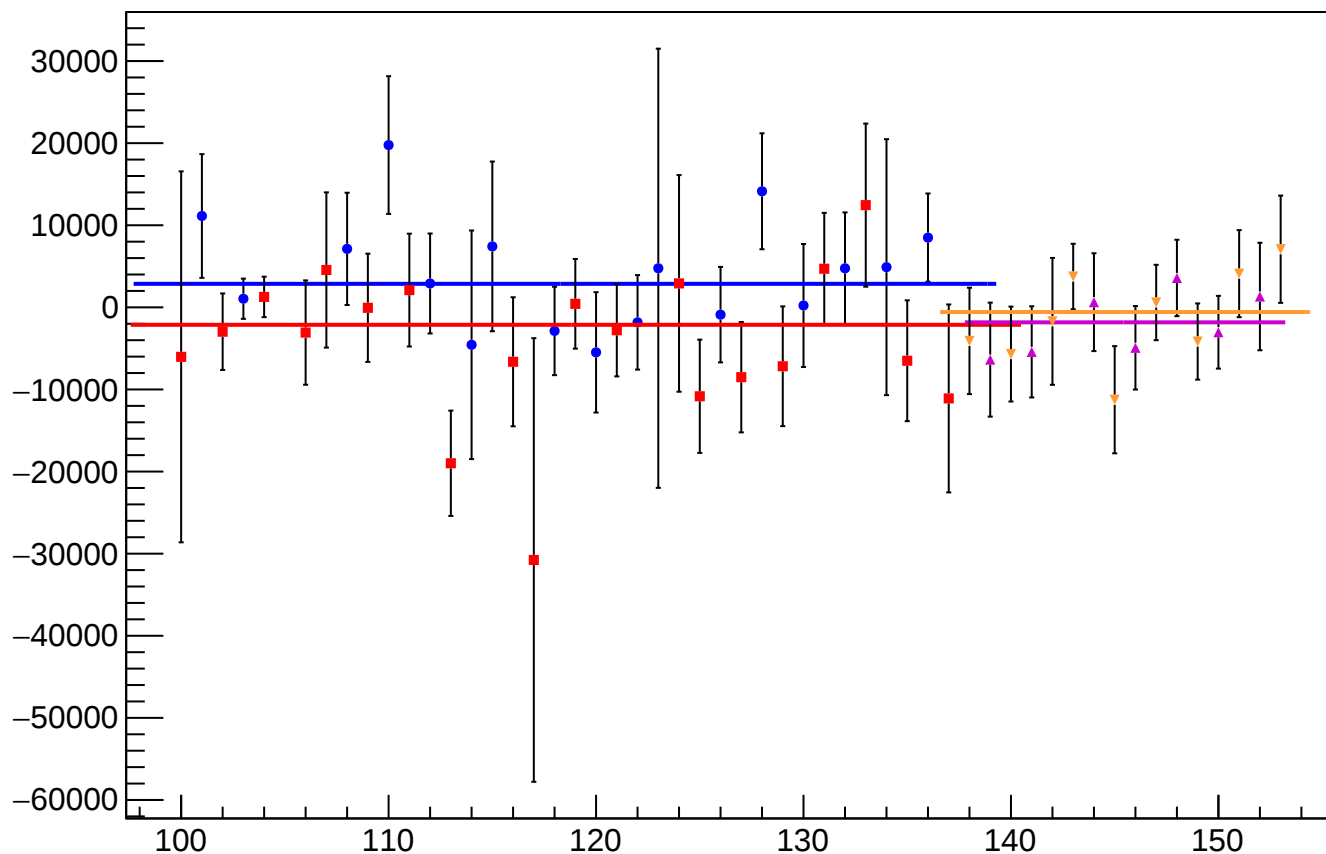
3909.800+/-0.780 χ^2/NDF : 1155213.7/25

Right Out: 3406.868+/-0.926 χ^2/NDF : 433737.9/19

3802.700+/-0.772 χ^2/NDF : 1169214.8/26

Left In: 4705.411+/-1.399 χ^2/NDF :136631.4/6

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2864.770+/-1452.658 χ^2 /NDF: 14.1/16

Left Out: -570.501+/-1796.646 χ^2 /NDF: 7.8/8

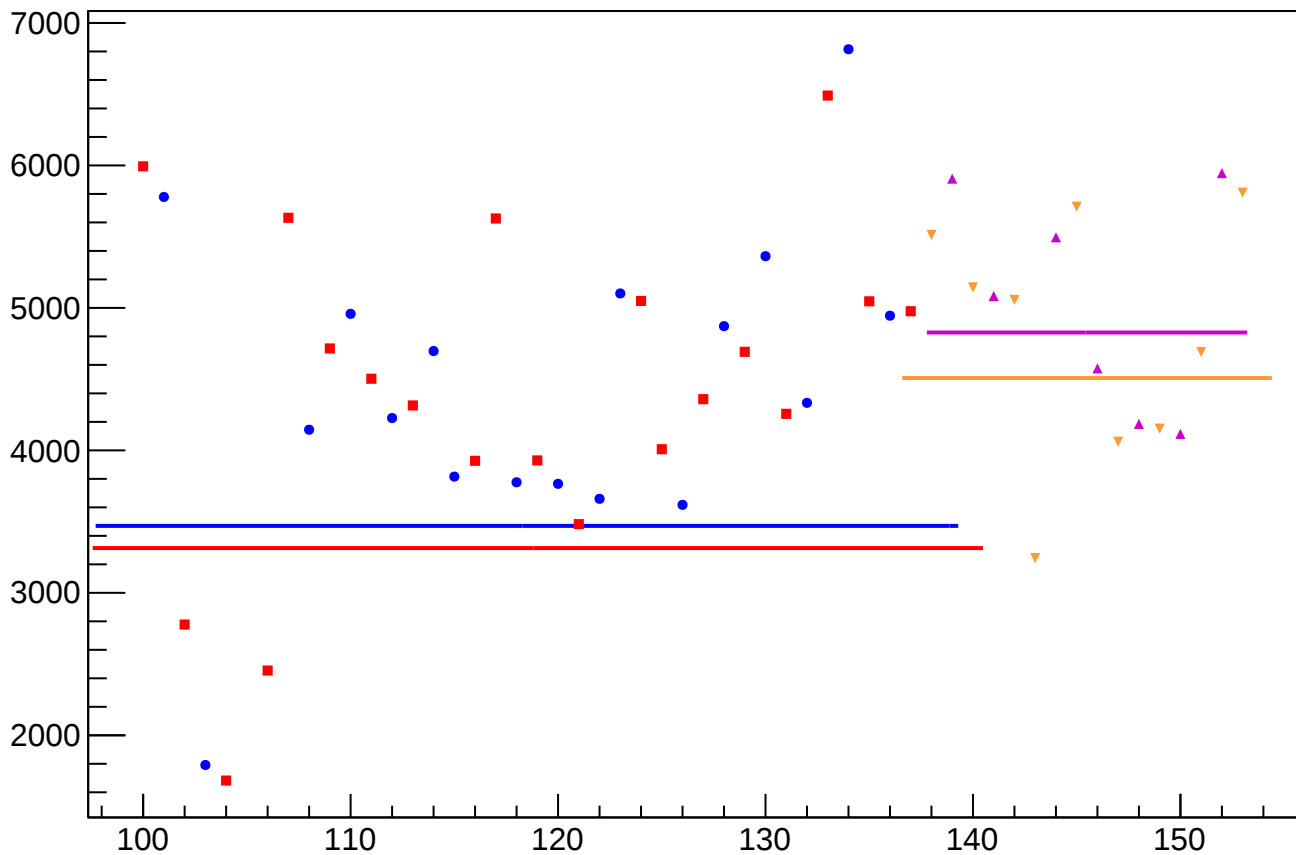
Right Out: -2126.105+/-1379.774 χ^2 /NDF: 18.8/19

Left In: -1825.629+/-2038.920 χ^2 /NDF: 3.0/6

1506.780+/-1129.615 χ^2 /NDF: 24.0/25

-2031.724+/-1142.713 χ^2 /NDF: 21.9/26

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: 4507.789 $\pm$ 1.270 χ^2 /NDF: 463940.2/8

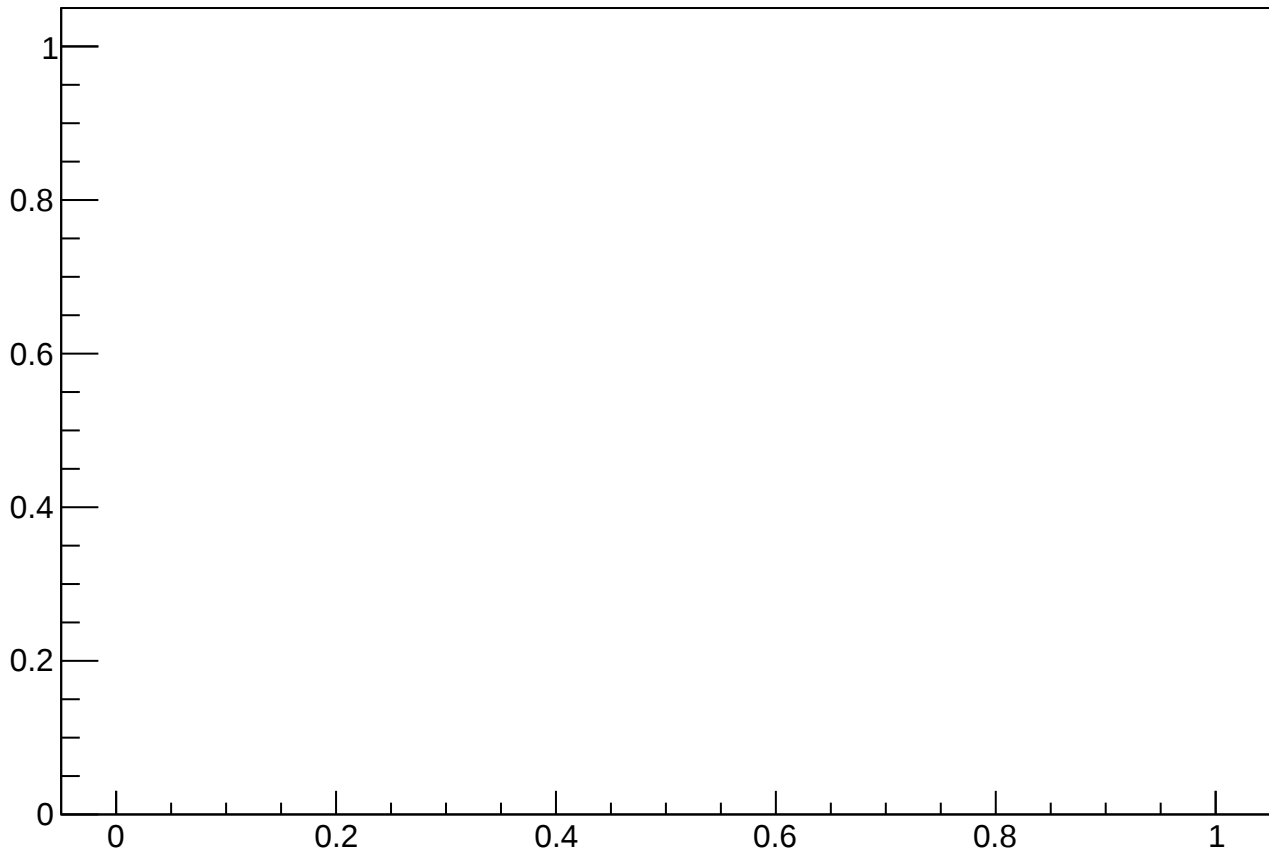
Right Out: 3314.183 $\pm$ 0.967 χ^2 /NDF: 1925484.9/19

Left In: 4827.341 $\pm$ 1.442 χ^2 /NDF: 230737.8/6

3880.260 $\pm$ 0.799 χ^2 /NDF: 2628288.5/25

3783.524 $\pm$ 0.803 χ^2 /NDF: 2916091.3/26

asym_atl_avg_atr_avg_avg_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

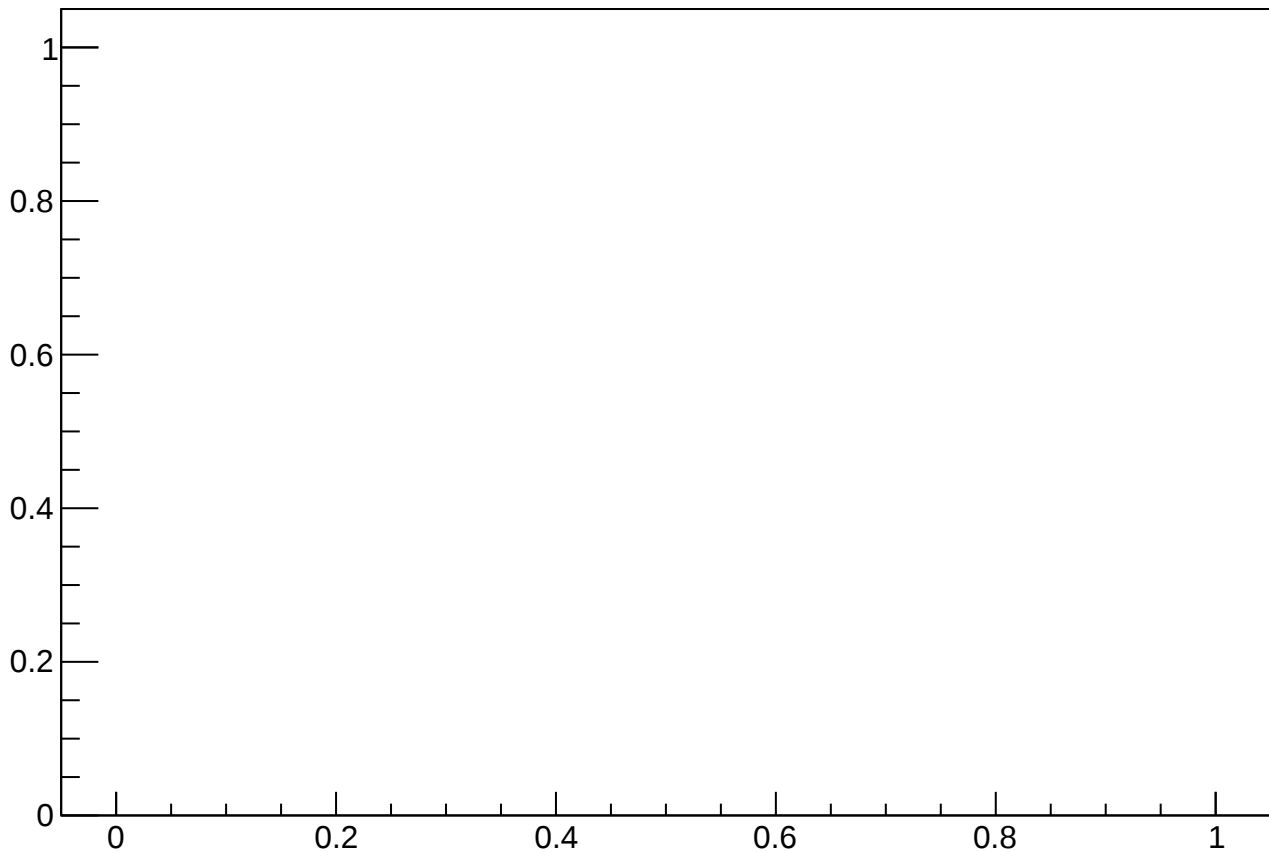
Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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_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

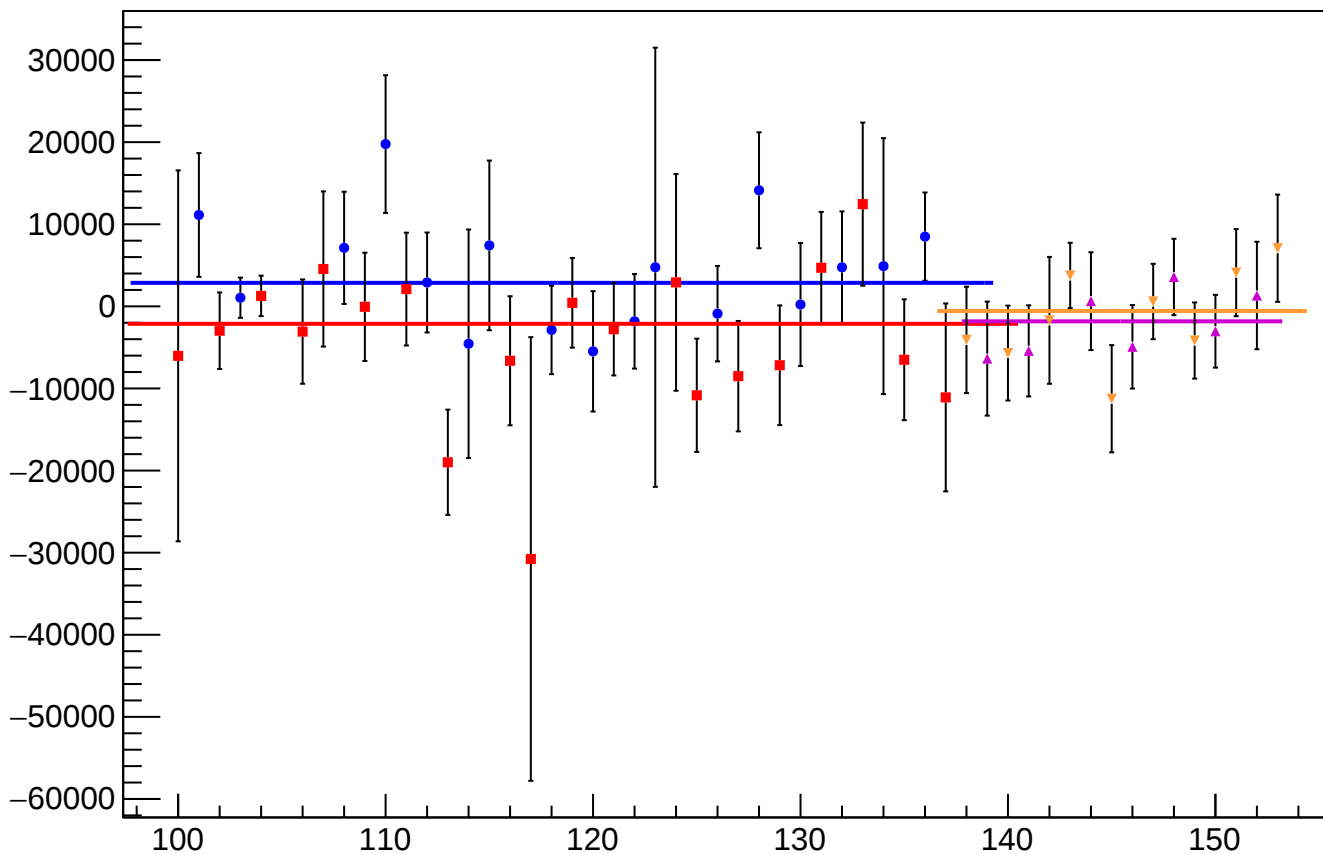
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: -570.501+/-1796.646 χ^2/NDF : 7.8/8

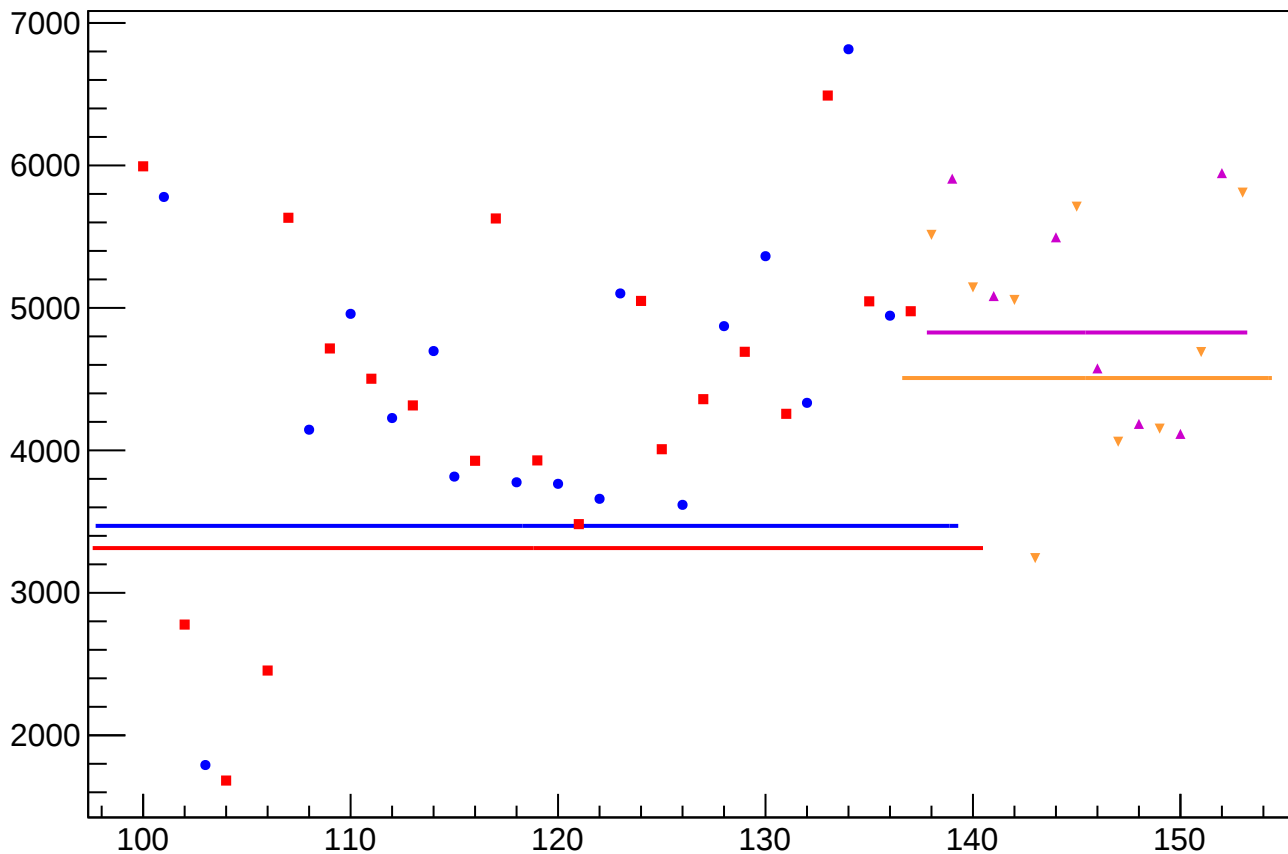
Right Out: -2126.105+/-1379.774 χ^2/NDF : 18.8/19

Left In: -1825.629+/-2038.920 χ^2/NDF : 3.0/6

1506.780+/-1129.615 χ^2/NDF : 24.0/25

-2031.724+/-1142.713 χ^2/NDF : 21.9/26

asym_atl_avg_atr_avg_avg_rms vs Slug



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

Left Out: 4507.789 $\pm$ 1.270 χ^2 /NDF: 463940.2/8

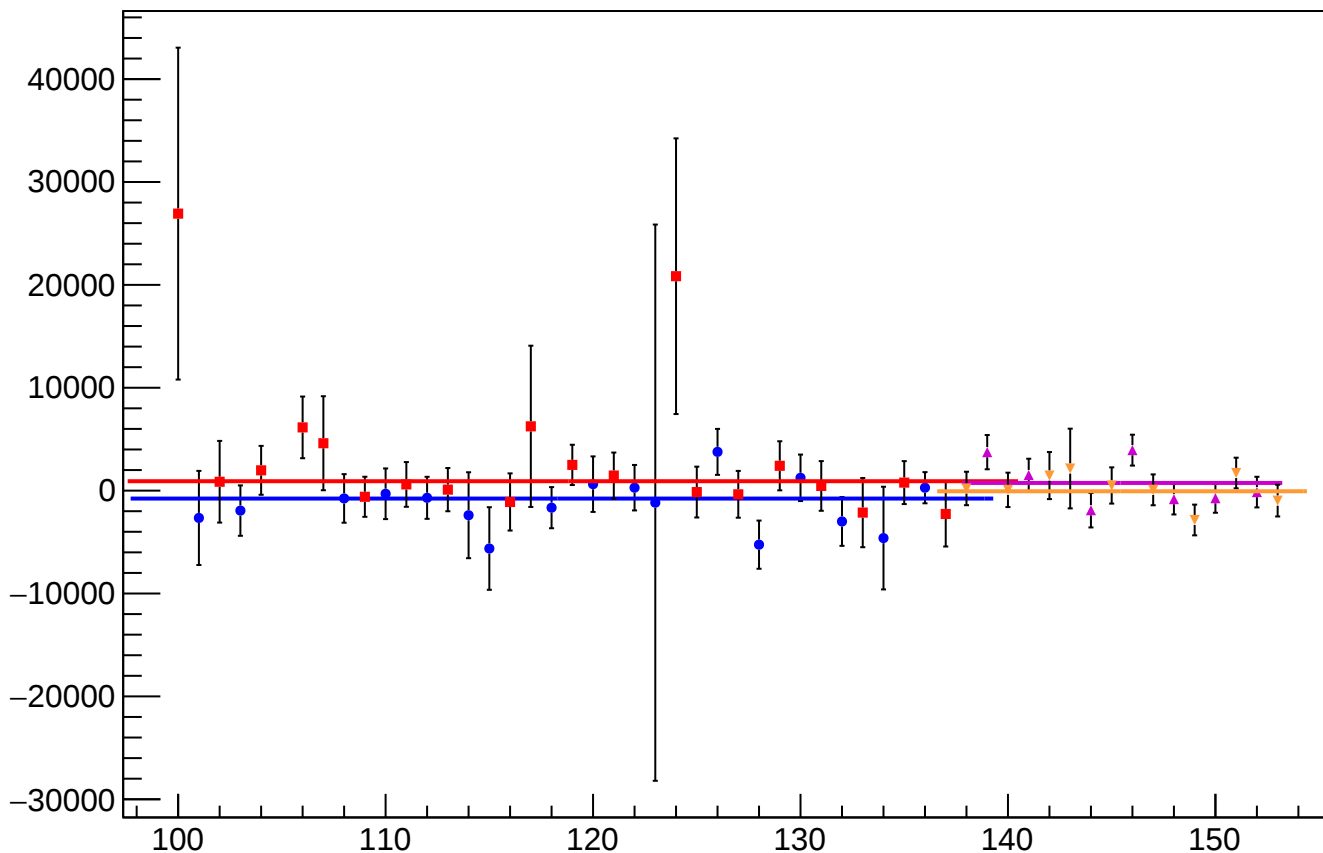
Right Out: 3314.183 $\pm$ 0.967 χ^2 /NDF: 1925484.9/19

Left In: 4827.341 $\pm$ 1.442 χ^2 /NDF: 230737.8/6

3880.260 $\pm$ 0.799 χ^2 /NDF: 2628288.5/25

3783.524 $\pm$ 0.803 χ^2 /NDF: 2916091.3/26

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: -61.492+/-569.721 χ^2/NDF : 6.2/8

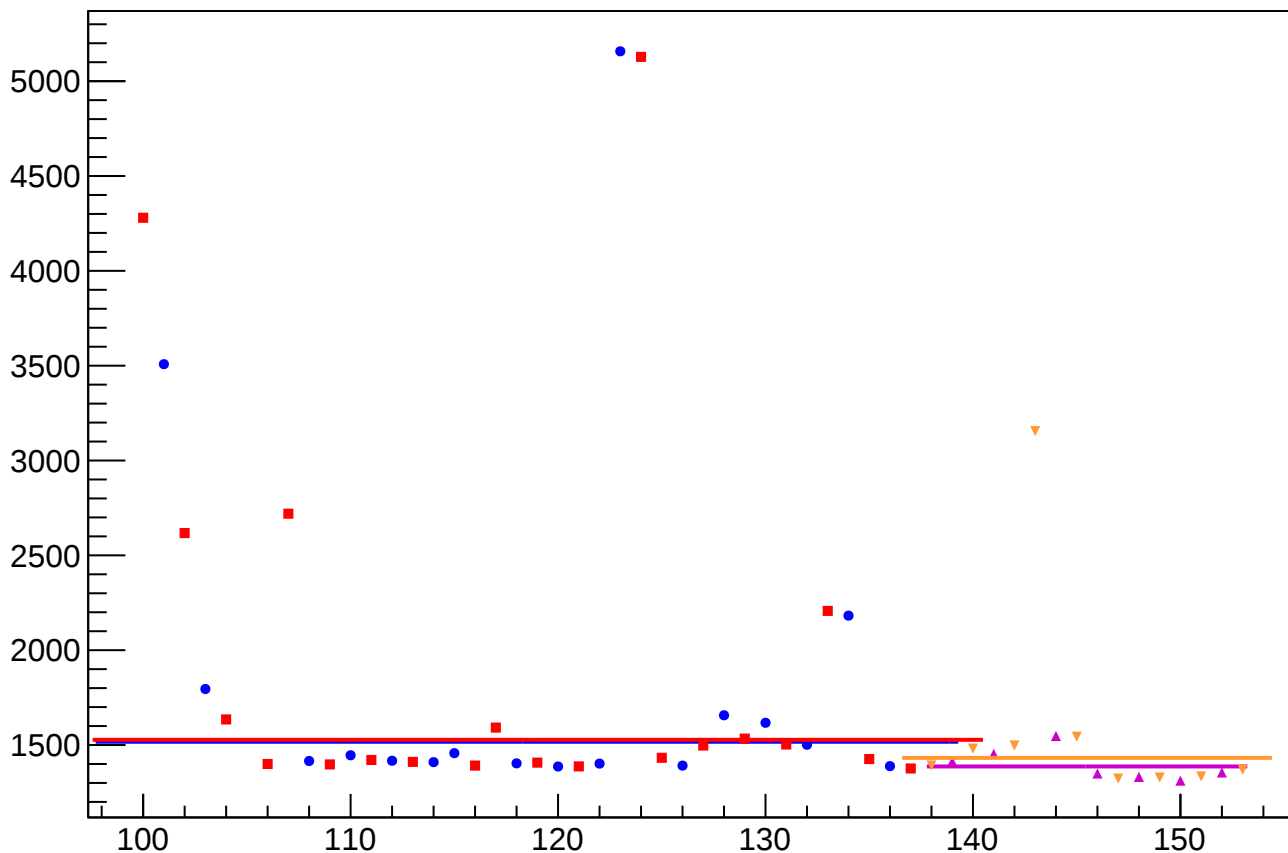
Right Out: 915.893+/-593.346 χ^2/NDF : 14.0/19

Left In: 747.276+/-580.657 χ^2/NDF : 13.1/6

-395.796+/-414.342 χ^2/NDF : 20.2/25

829.762+/-415.000 χ^2/NDF : 27.1/26

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1432.268+/-0.403 χ^2/NDF : 439855.5/8

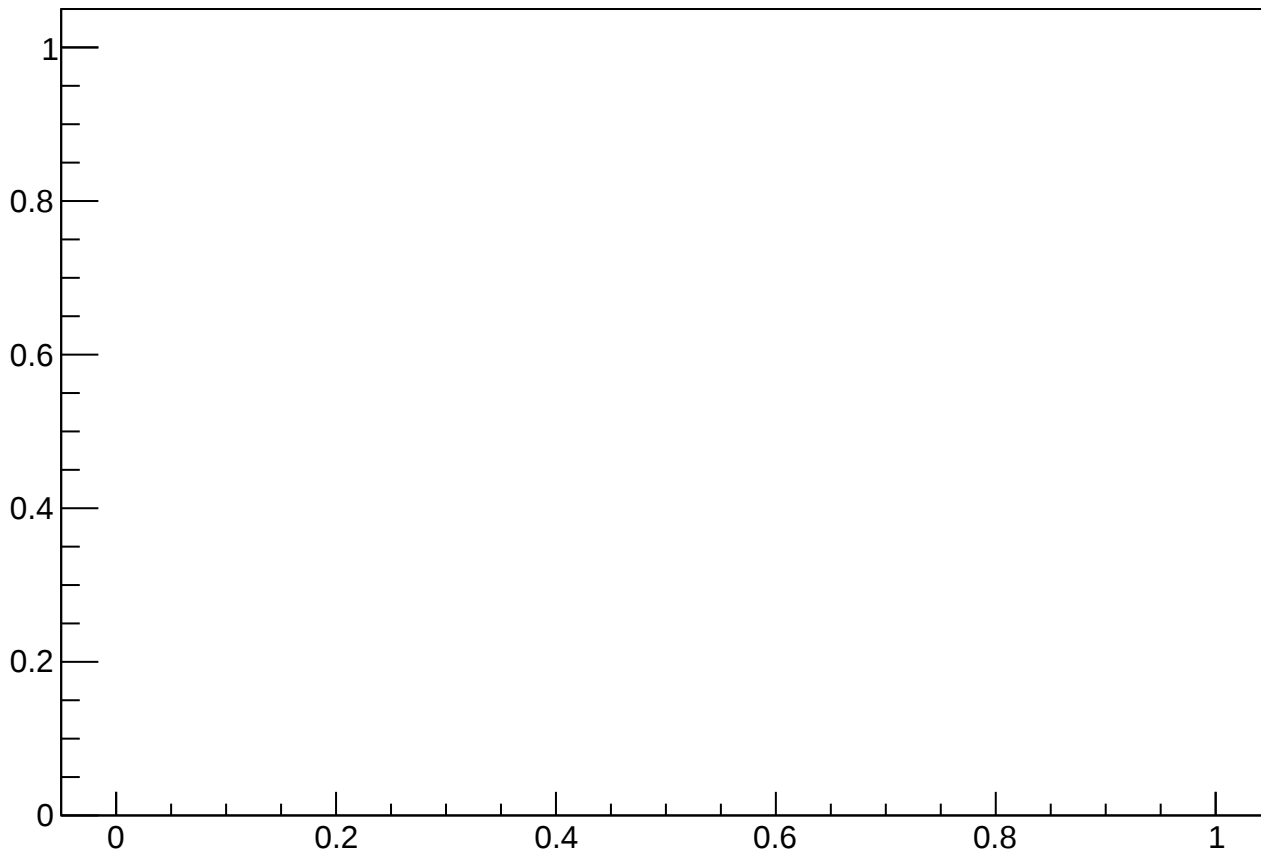
Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

Left In: 1386.985+/-0.411 χ^2/NDF : 32927.9/6

1472.341+/-0.293 χ^2/NDF : 997522.5/25

1455.665+/-0.293 χ^2/NDF : 721944.3/26

asym_atl_avg_atr_avg_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

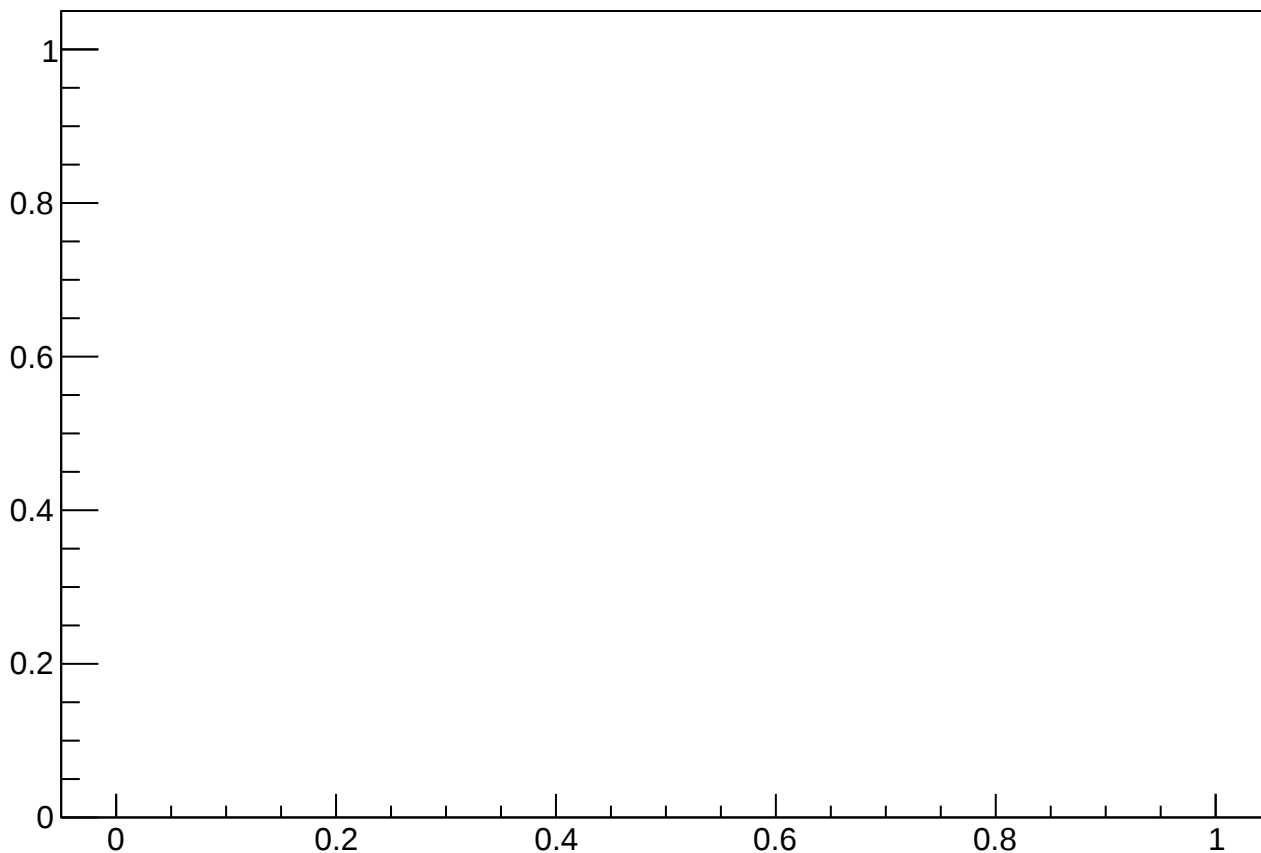
Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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_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

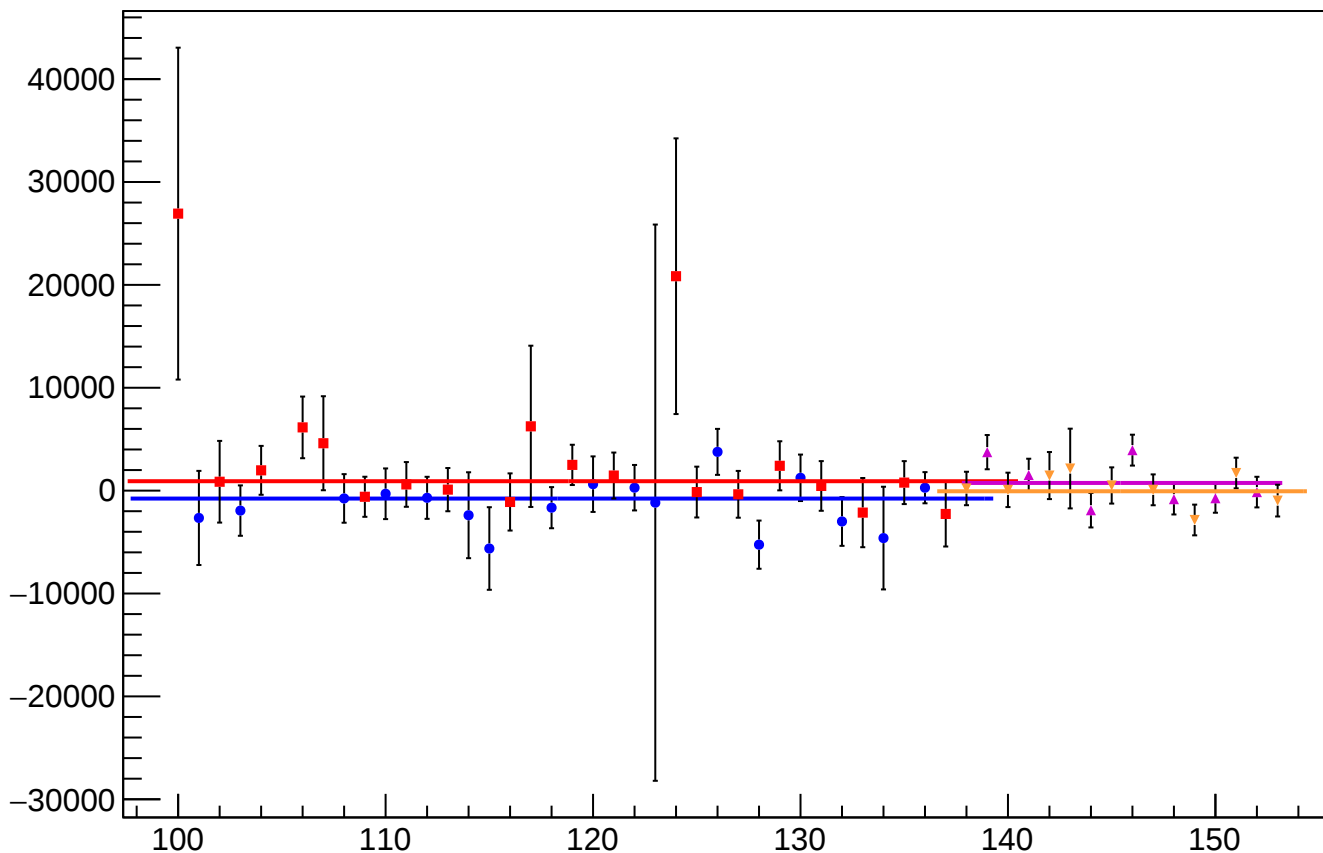
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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 χ^2/NDF : 13.3/16

Left Out: -61.492+/-569.721 χ^2/NDF : 6.2/8

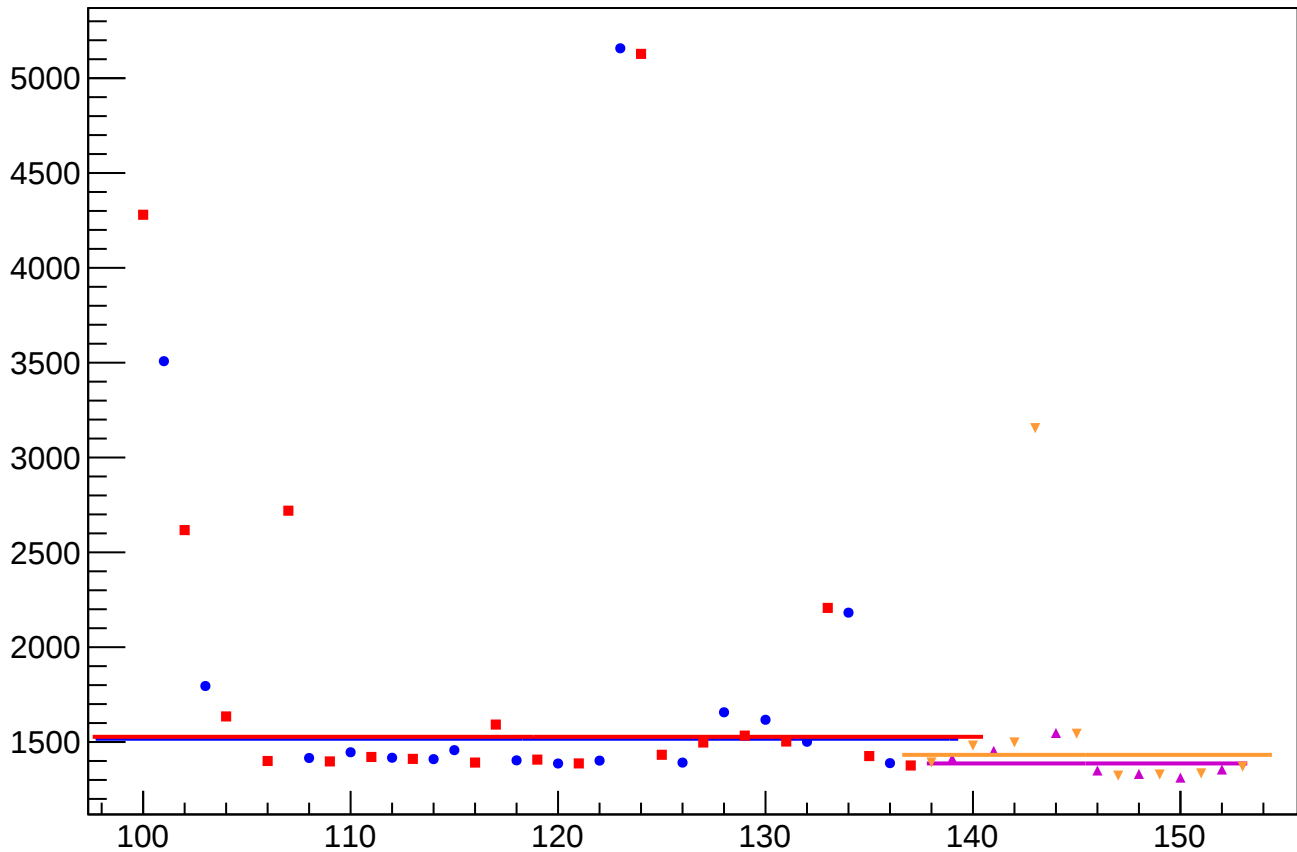
Right Out: 915.893+/-593.346 χ^2/NDF : 14.0/19

Left In: 747.276+/-580.657 χ^2/NDF : 13.1/6

-395.796+/-414.342 χ^2/NDF : 20.2/25

829.762+/-415.000 χ^2/NDF : 27.1/26

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1432.268+/-0.403 χ^2/NDF : 439855.5/8

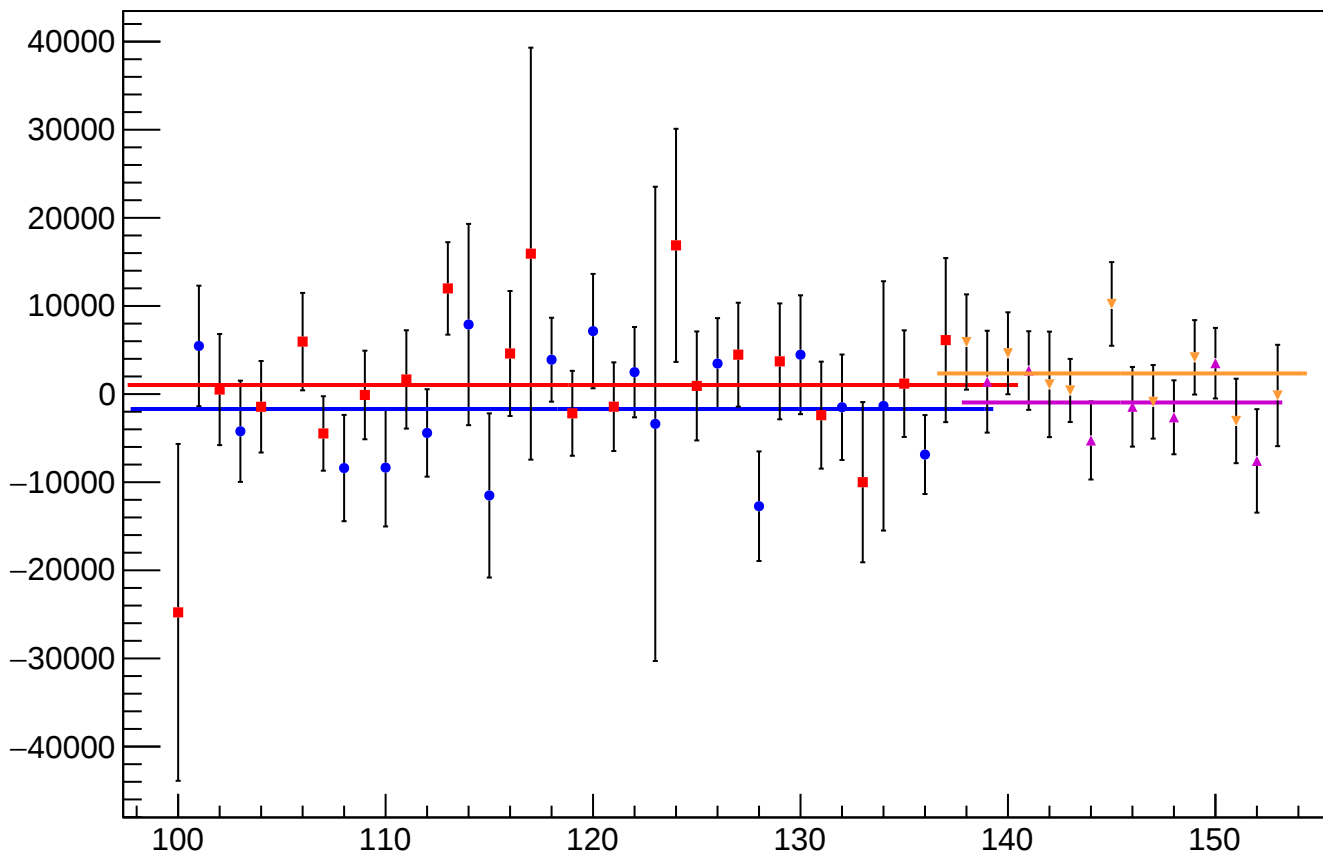
Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

Left In: 1386.985+/-0.411 χ^2/NDF : 32927.9/6

1472.341+/-0.293 χ^2/NDF : 997522.5/25

1455.665+/-0.293 χ^2/NDF : 721944.3/26

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1692.604 $\pm$ 1512.935 χ^2 /NDF: 15.8/16

Left Out: 2343.098 $\pm$ 1547.090 χ^2 /NDF:6.0/8

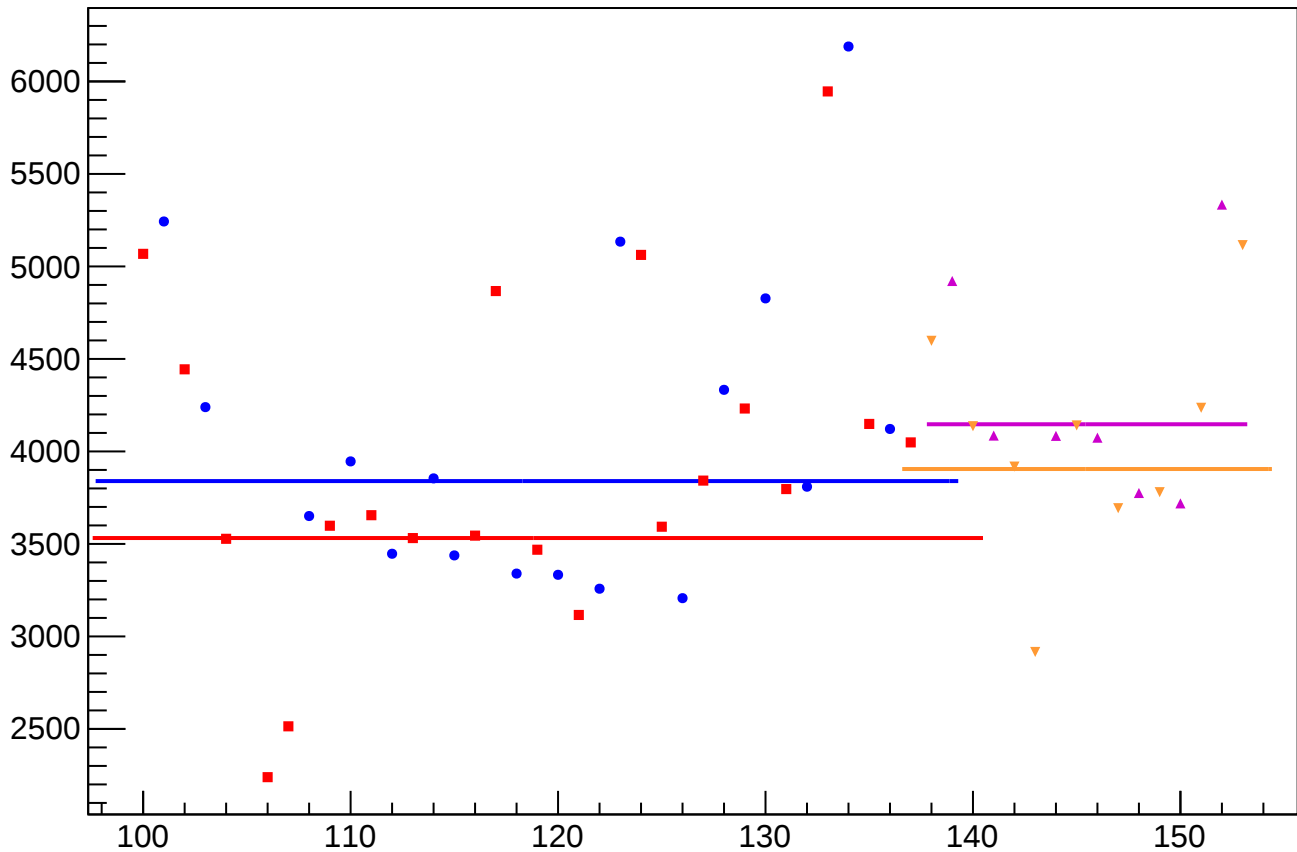
Right Out: 1029.768 $\pm$ 1376.481 χ^2 /NDF: 14.3/19

Left In: -952.773 $\pm$ 1745.372 χ^2 /NDF:4.5/6

280.208 $\pm$ 1081.680 χ^2 /NDF: 25.3/25

269.537 $\pm$ 1080.811 χ^2 /NDF: 19.6/26

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 3904.956+/-1.094 χ^2/NDF : 300158.3/8

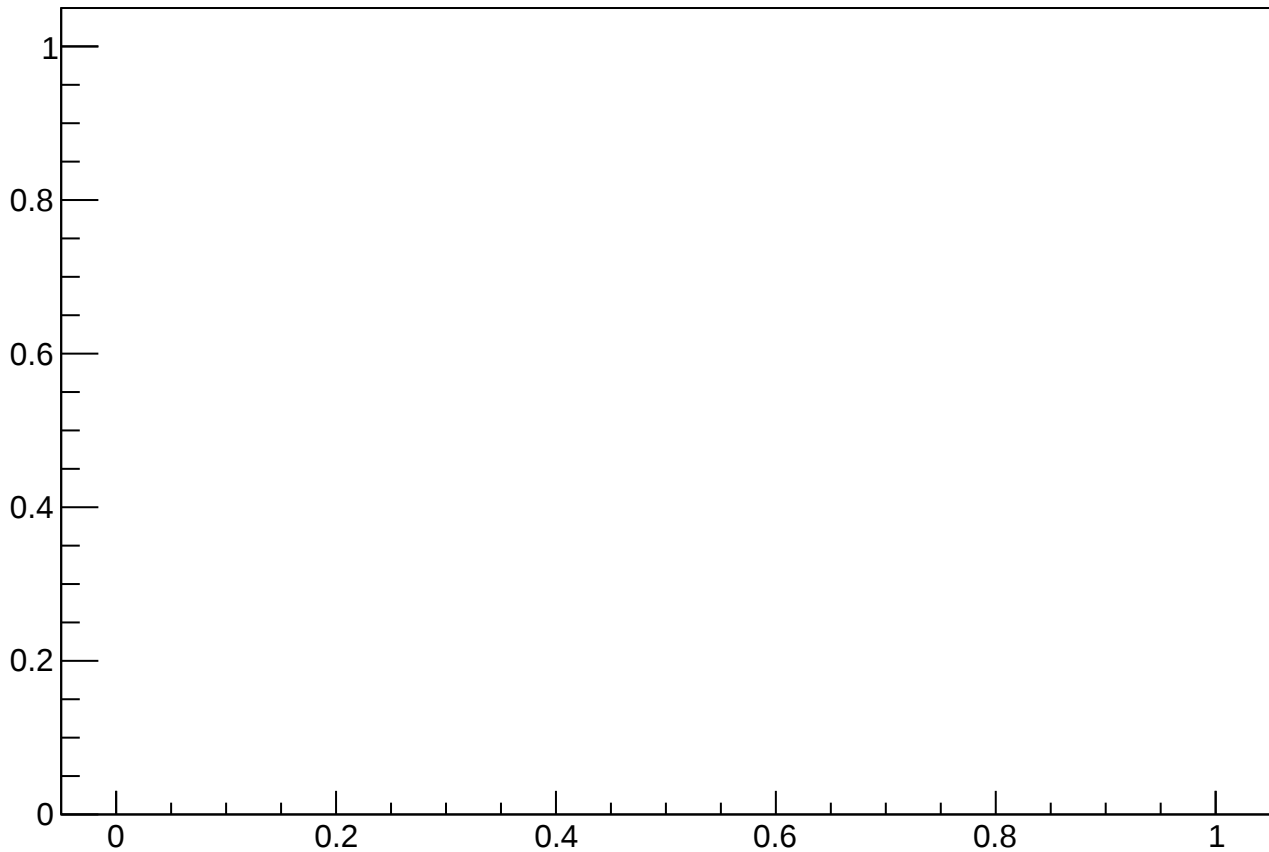
Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

Left In: 4146.892+/-1.234 χ^2/NDF : 157459.5/6

3871.625+/-0.765 χ^2/NDF : 627933.6/25

3765.075+/-0.760 χ^2/NDF : 872958.6/26

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

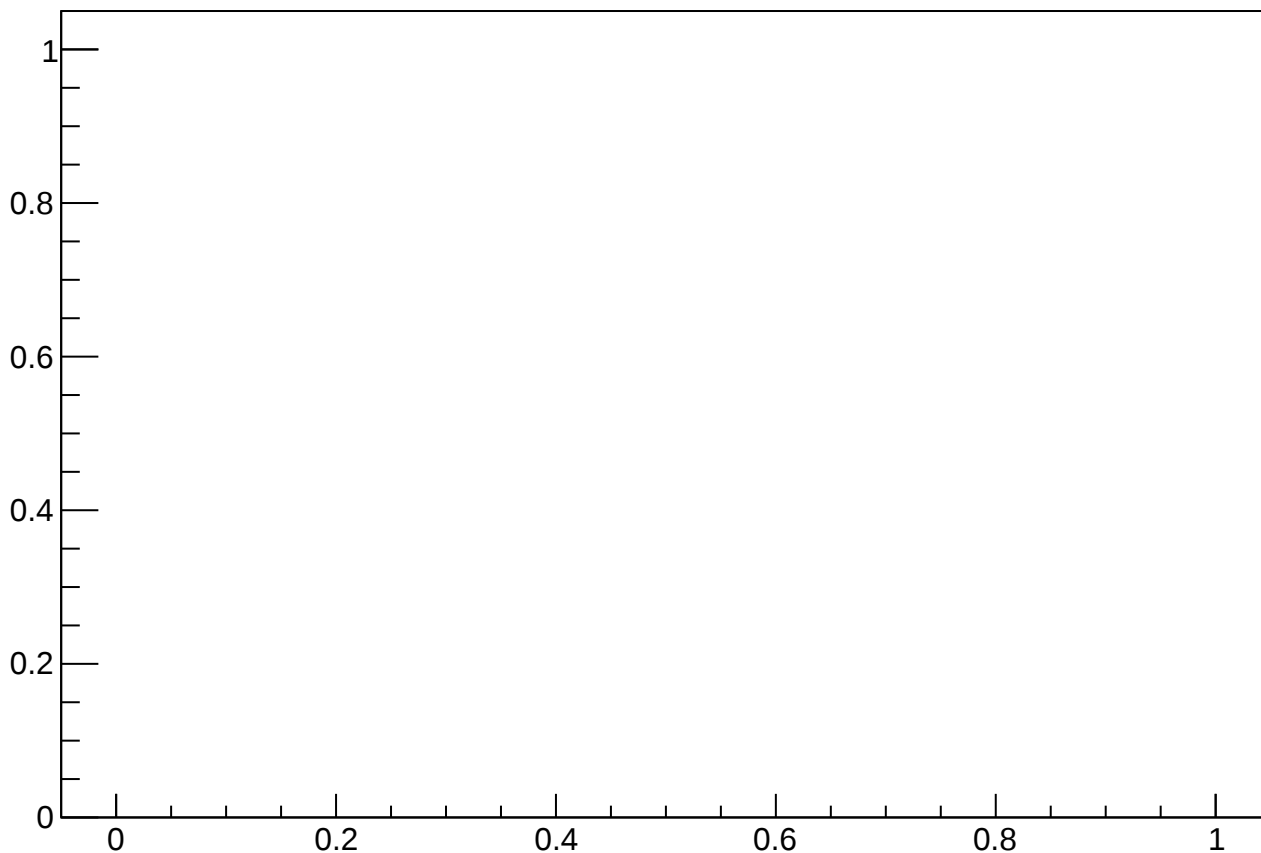
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

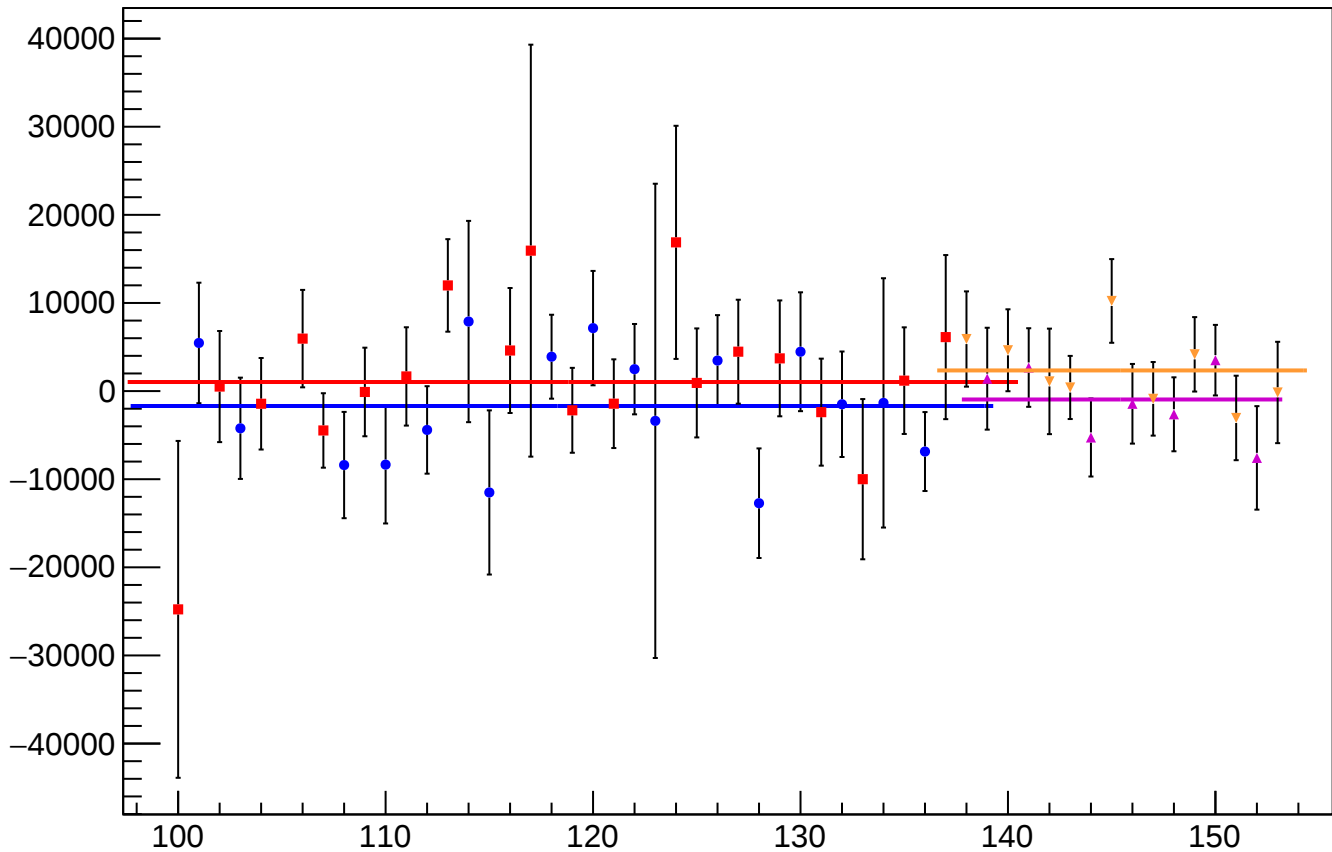
Left Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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 $\pm$ 1512.935 χ^2 /NDF: 15.8/16

Left Out: 2343.098 $\pm$ 1547.090 χ^2 /NDF:6.0/8

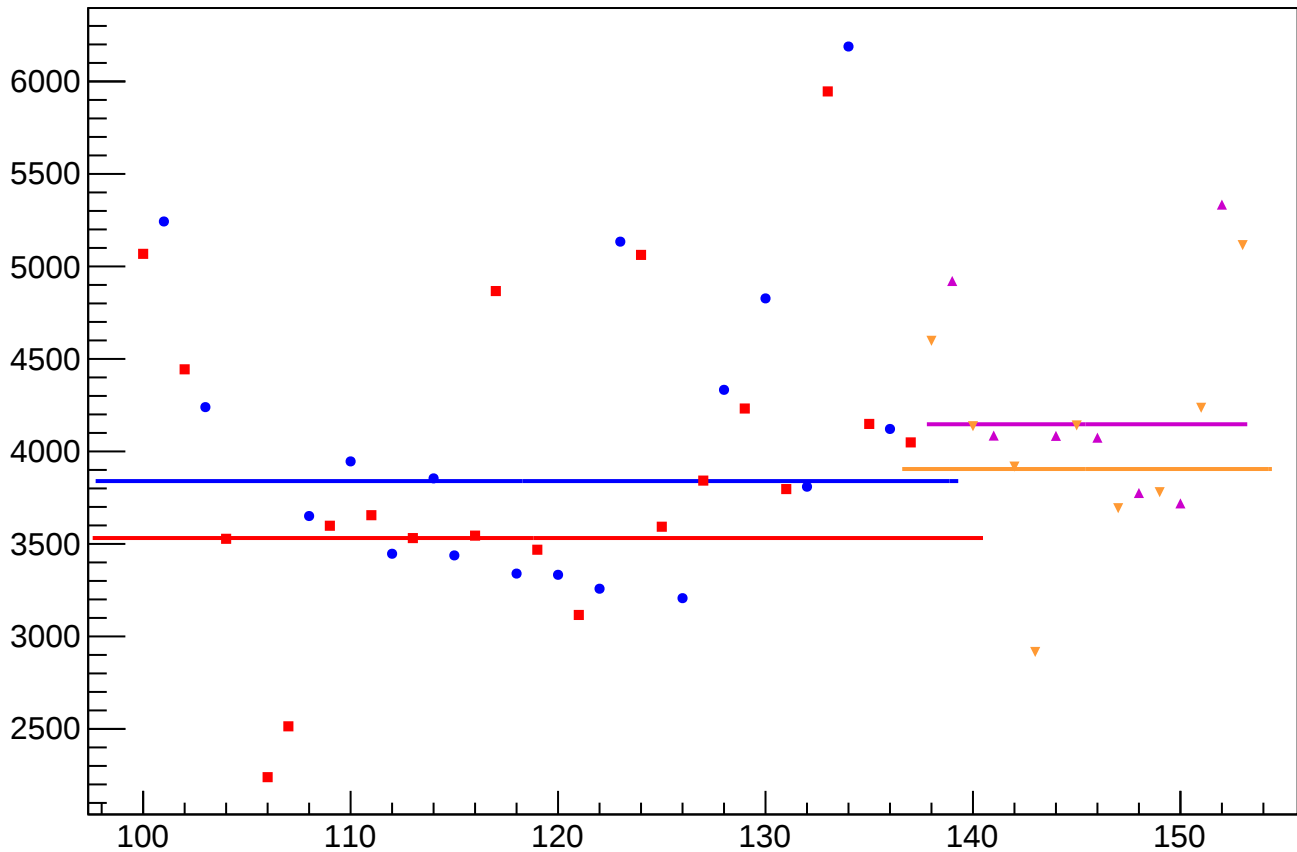
Right Out: 1029.768 $\pm$ 1376.481 χ^2 /NDF: 14.3/19

Left In: -952.773 $\pm$ 1745.372 χ^2 /NDF:4.5/6

280.208 $\pm$ 1081.680 χ^2 /NDF: 25.3/25

269.537 $\pm$ 1080.811 χ^2 /NDF: 19.6/26

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 3904.956+/-1.094 χ^2/NDF : 300158.3/8

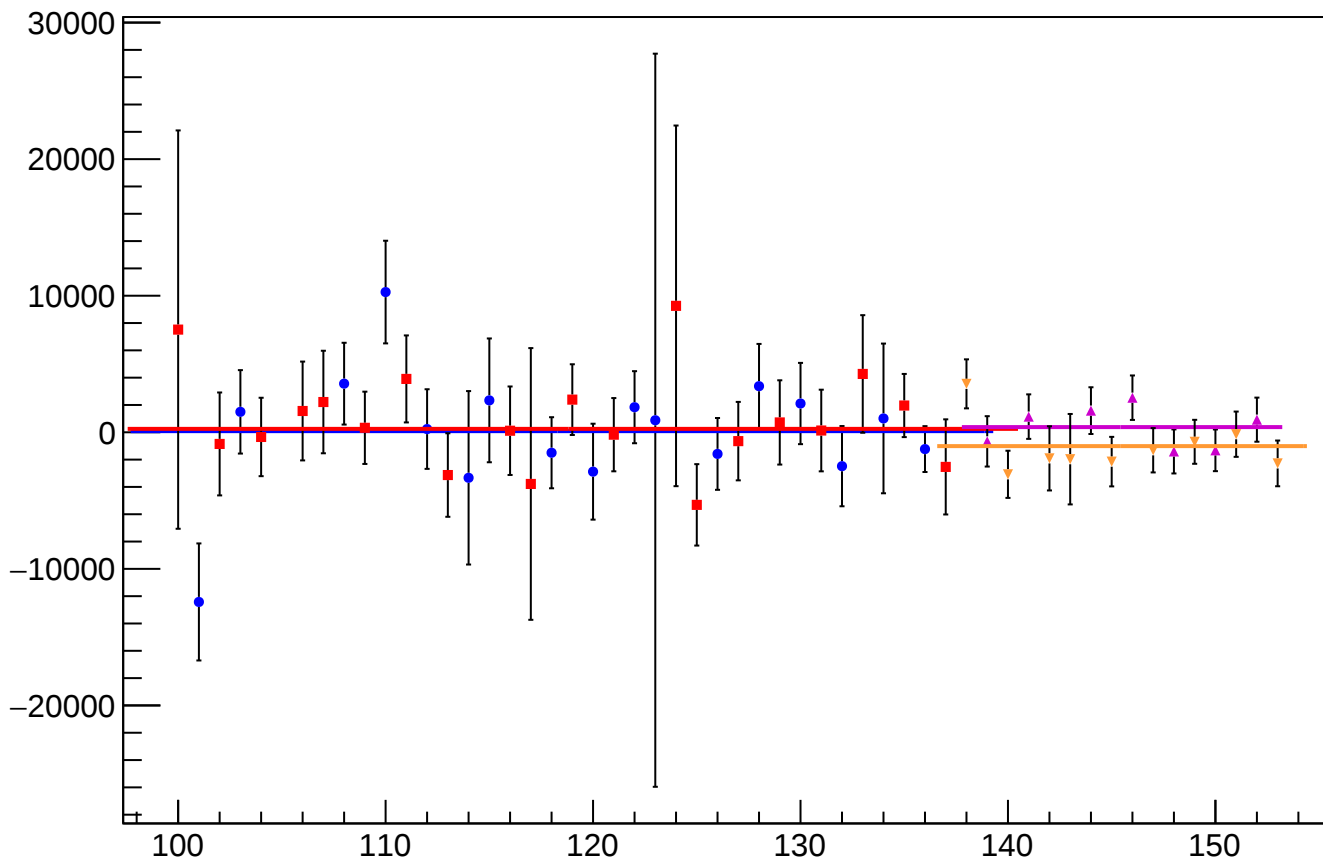
Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

Left In: 4146.892+/-1.234 χ^2/NDF : 157459.5/6

3871.625+/-0.765 χ^2/NDF : 627933.6/25

3765.075+/-0.760 χ^2/NDF : 872958.6/26

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: -1012.726 $\pm$ 607.511 χ^2 /NDF: 9.4/8

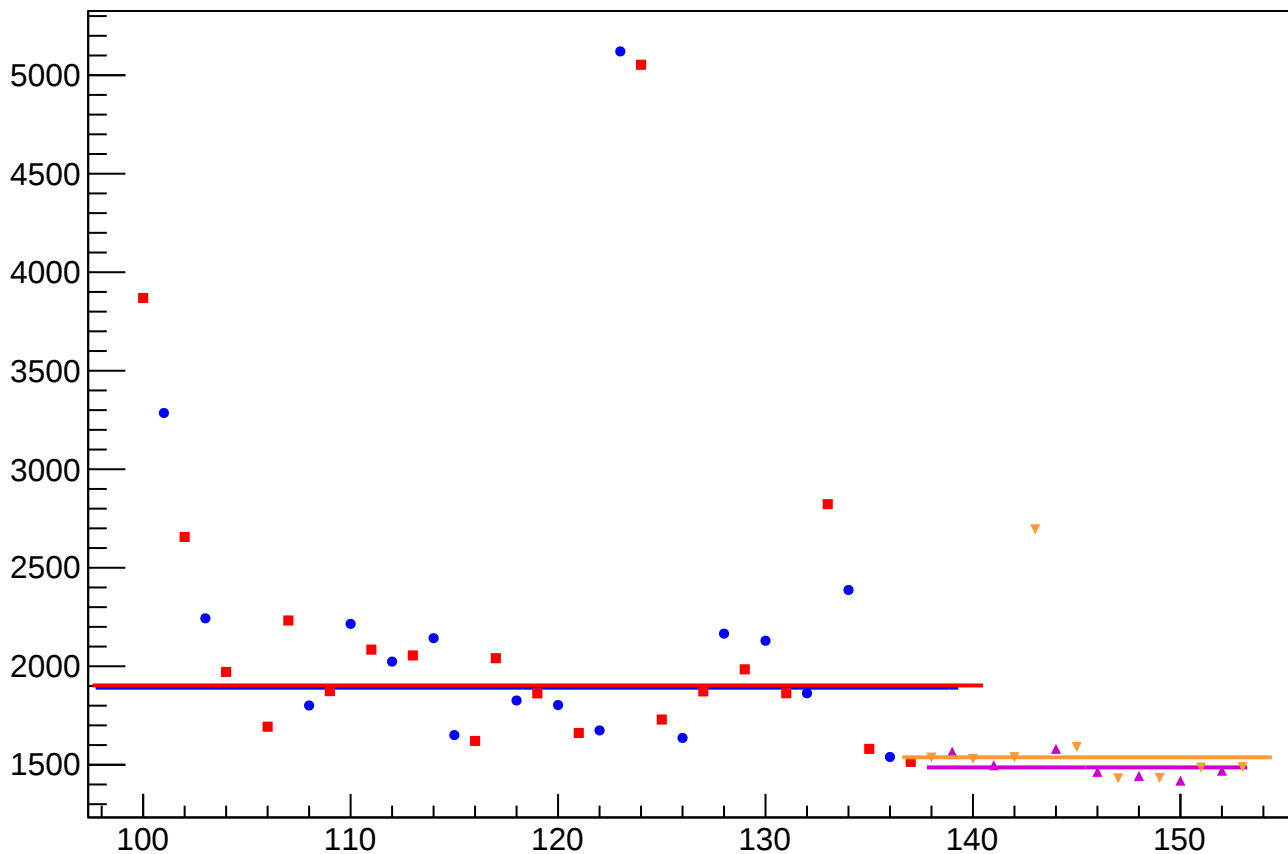
Right Out: 250.743 $\pm$ 732.124 χ^2 /NDF: 10.3/19

Left In: 380.271 $\pm$ 621.739 χ^2 /NDF: 5.4/6

-578.665 $\pm$ 472.208 χ^2 /NDF: 33.6/25

325.998 $\pm$ 473.908 χ^2 /NDF: 15.7/26

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492 ± 0.531 $\chi^2/\text{NDF}: 464497.5/16$

Left Out: 1538.020 ± 0.430 $\chi^2/\text{NDF}: 266787.1/8$

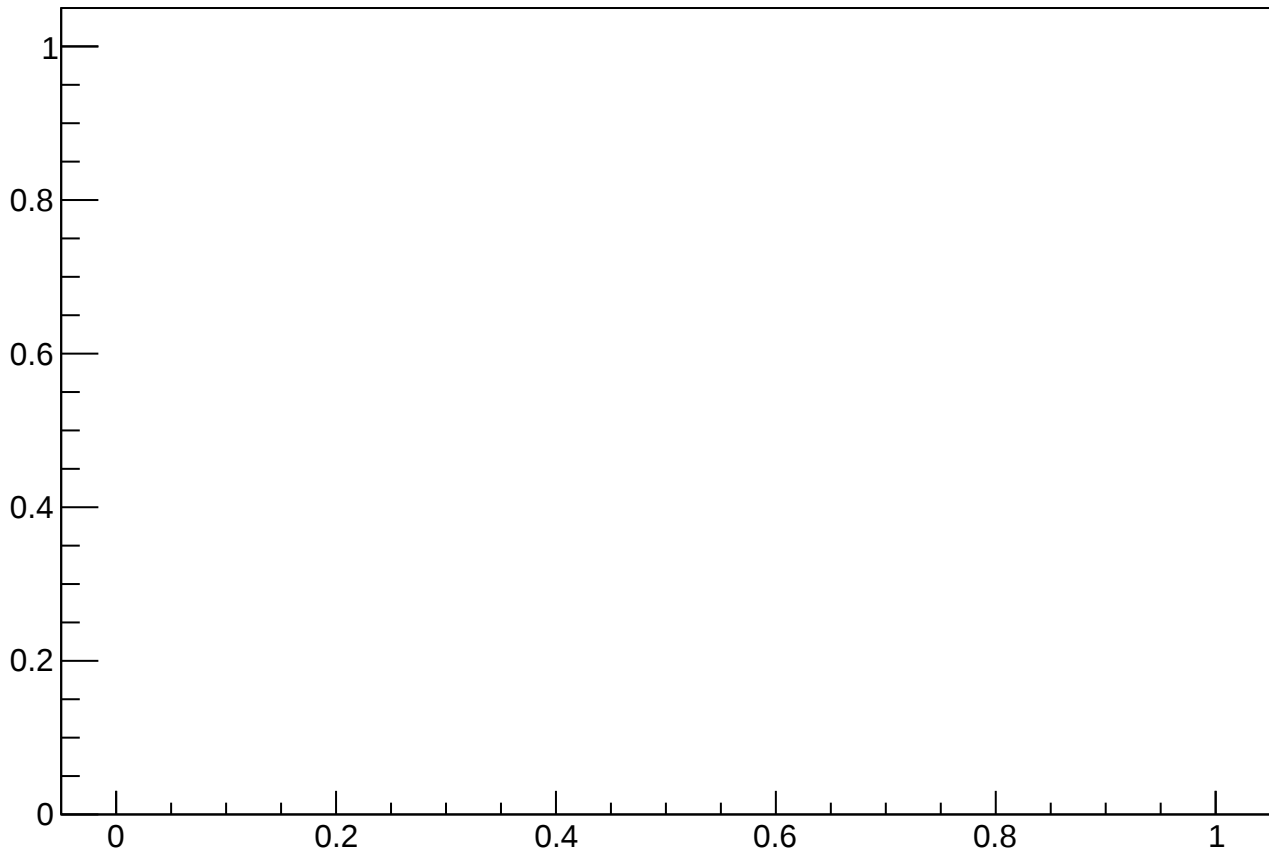
Right Out: 1902.551 ± 0.518 $\chi^2/\text{NDF}: 461077.0/19$

Left In: 1486.600 ± 0.440 $\chi^2/\text{NDF}: 15775.1/6$

1677.936 ± 0.334 $\chi^2/\text{NDF}: 999290.6/25$

1660.888 ± 0.335 $\chi^2/\text{NDF}: 851934.6/26$

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

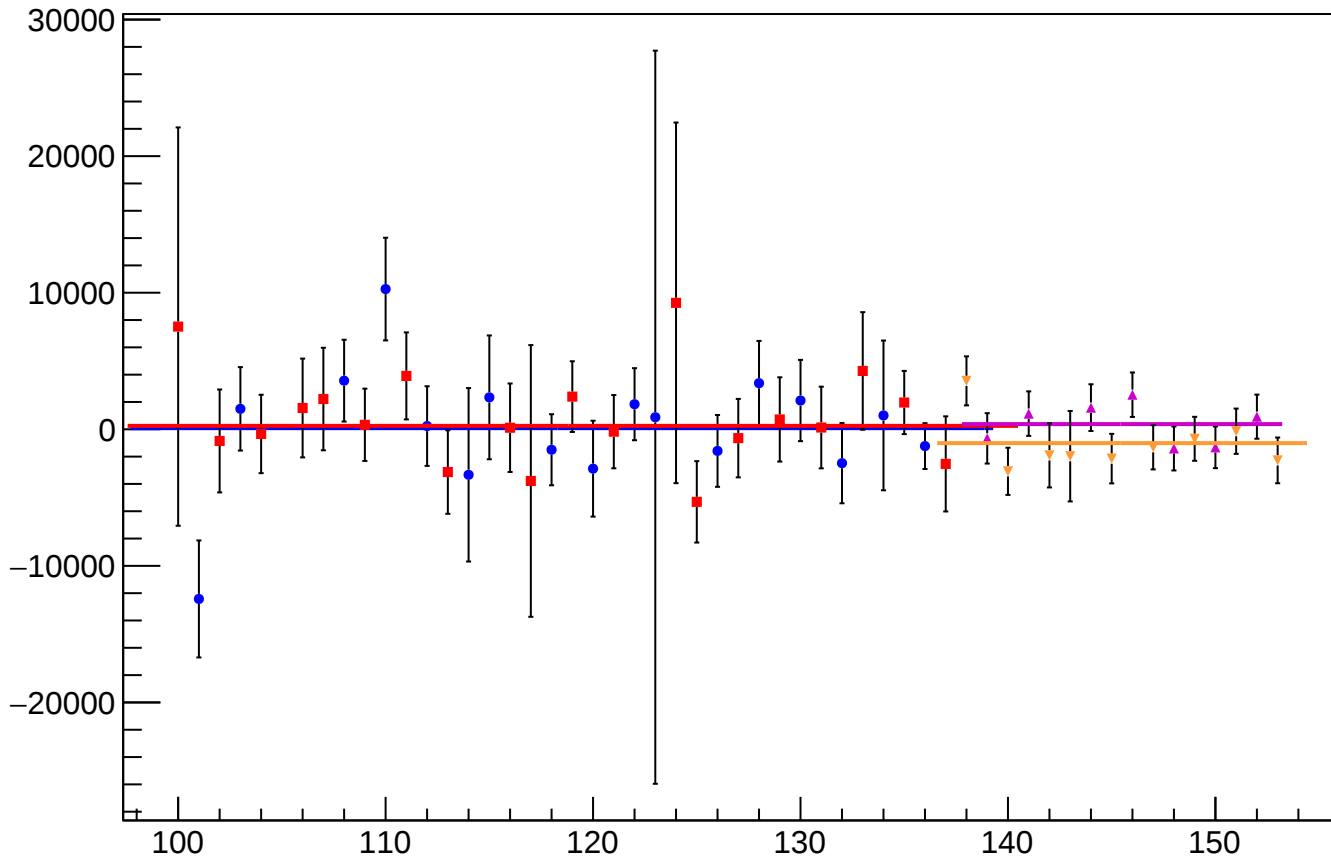
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: -1012.726+/-607.511 χ^2/NDF : 9.4/8

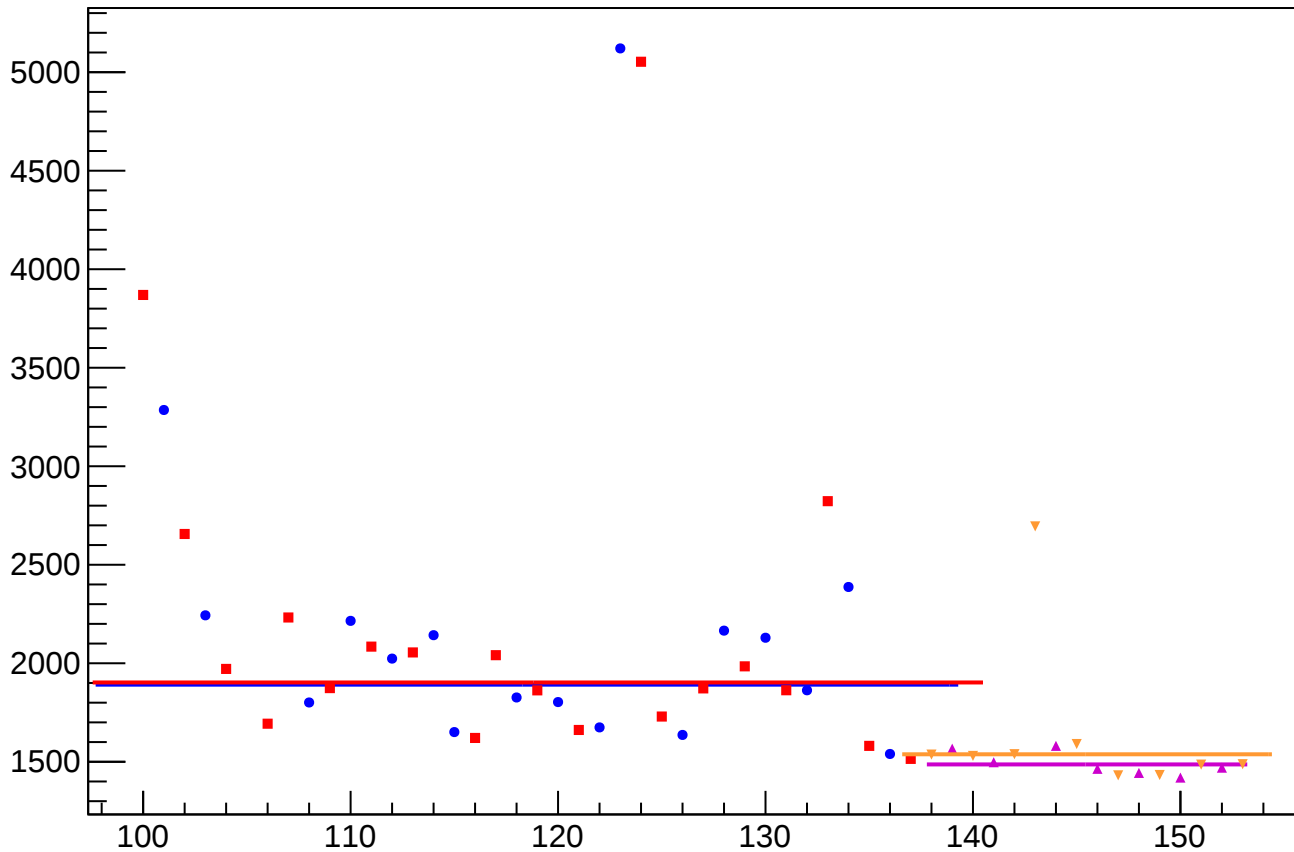
Right Out: 250.743+/-732.124 χ^2/NDF : 10.3/19

Left In: 380.271+/-621.739 χ^2/NDF : 5.4/6

-578.665+/-472.208 χ^2/NDF : 33.6/25

325.998+/-473.908 χ^2/NDF : 15.7/26

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492+/-0.531 χ^2/NDF : 464497.5/16

Left Out: 1538.020+/-0.430 χ^2/NDF : 266787.1/8

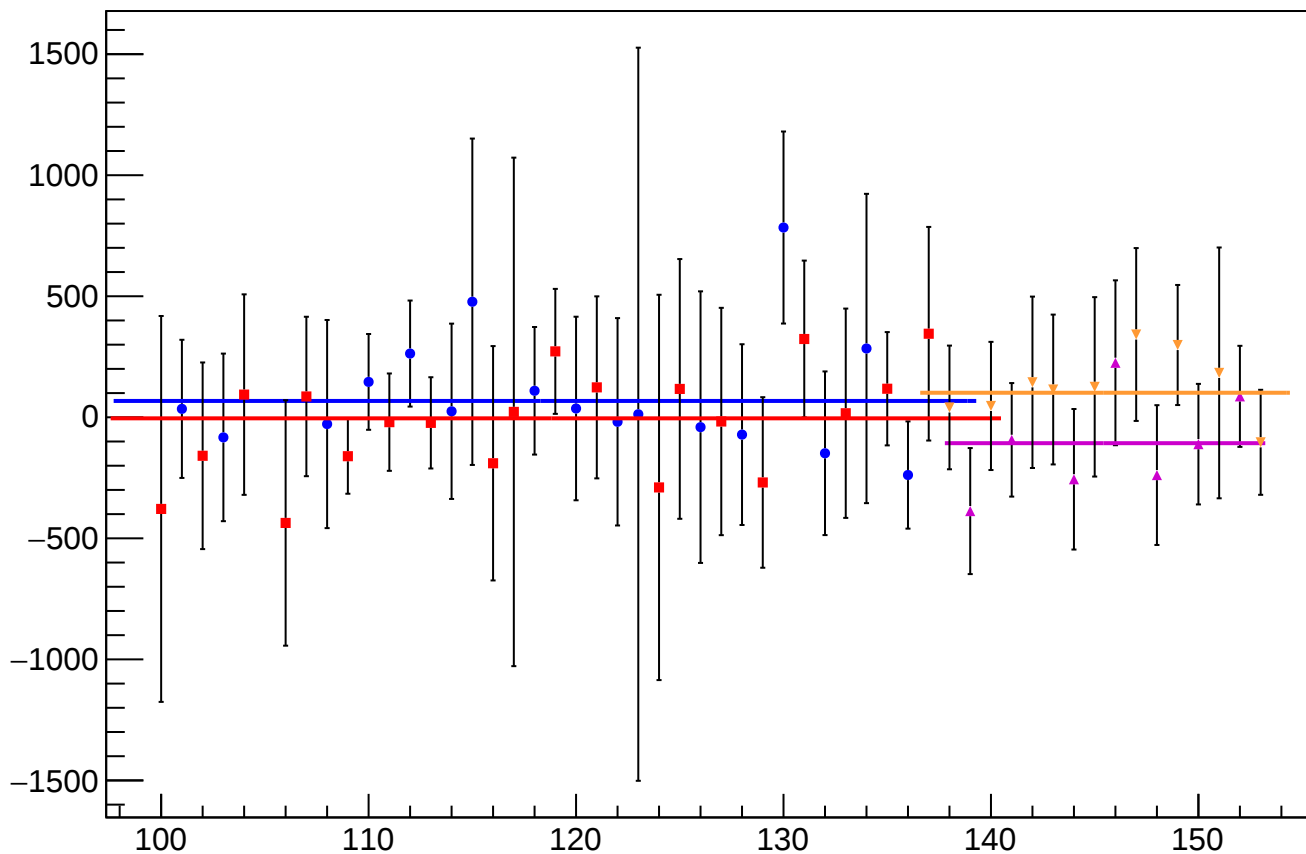
Right Out: 1902.551+/-0.518 χ^2/NDF : 461077.0/19

Left In: 1486.600+/-0.440 χ^2/NDF : 15775.1/6

1677.936+/-0.334 χ^2/NDF : 999290.6/25

1660.888+/-0.335 χ^2/NDF : 851934.6/26

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 67.542+/-79.608 χ^2/NDF : 7.5/16

Left Out: 101.399+/-97.881 χ^2/NDF : 2.1/8

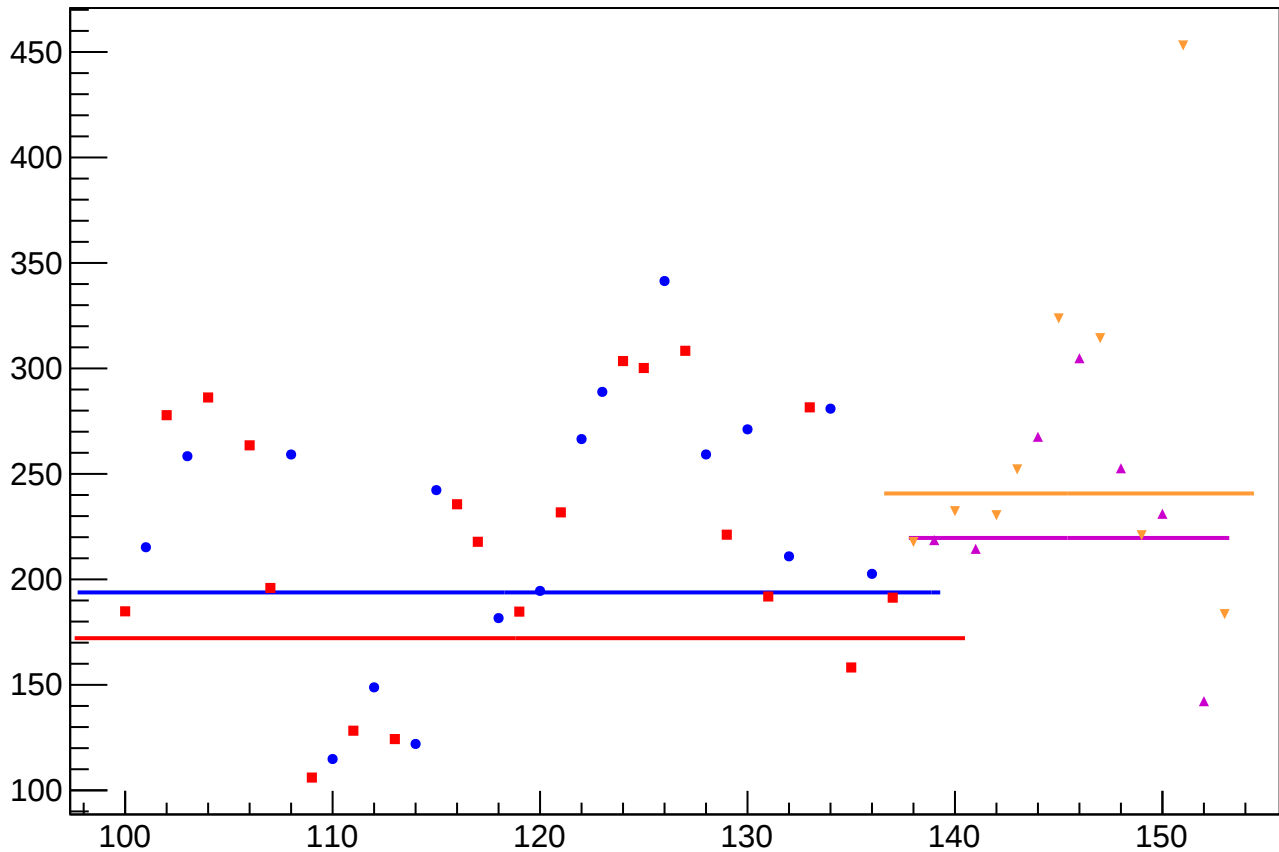
Right Out: -4.305+/-69.854 χ^2/NDF : 6.4/19

Left In: -106.917+/-97.818 χ^2/NDF : 3.4/6

81.021+/-61.760 χ^2/NDF : 9.7/25

-38.961+/-56.847 χ^2/NDF : 10.5/26

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: 240.730+/-0.069 χ^2/NDF : 696026.7/8

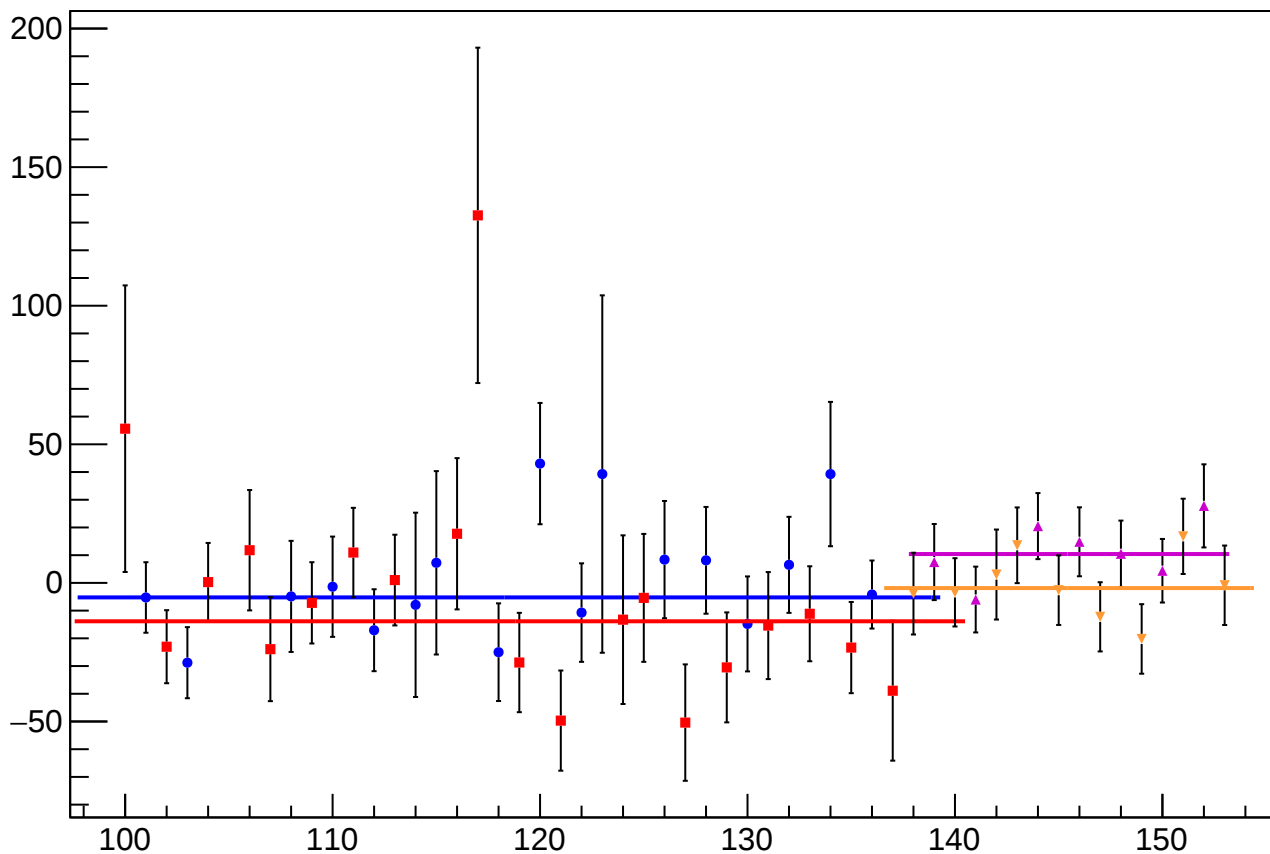
Right Out: 172.123+/-0.049 χ^2/NDF : 1580879.9/19

Left In: 219.639+/-0.069 χ^2/NDF : 486068.0/6

212.493+/-0.044 χ^2/NDF : 1982887.9/25

188.171+/-0.040 χ^2/NDF : 2379490.4/26

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -5.231 ± 4.356 $\chi^2/\text{NDF}: 15.5/16$

Left Out: -1.865 ± 4.483 $\chi^2/\text{NDF}: 6.1/8$

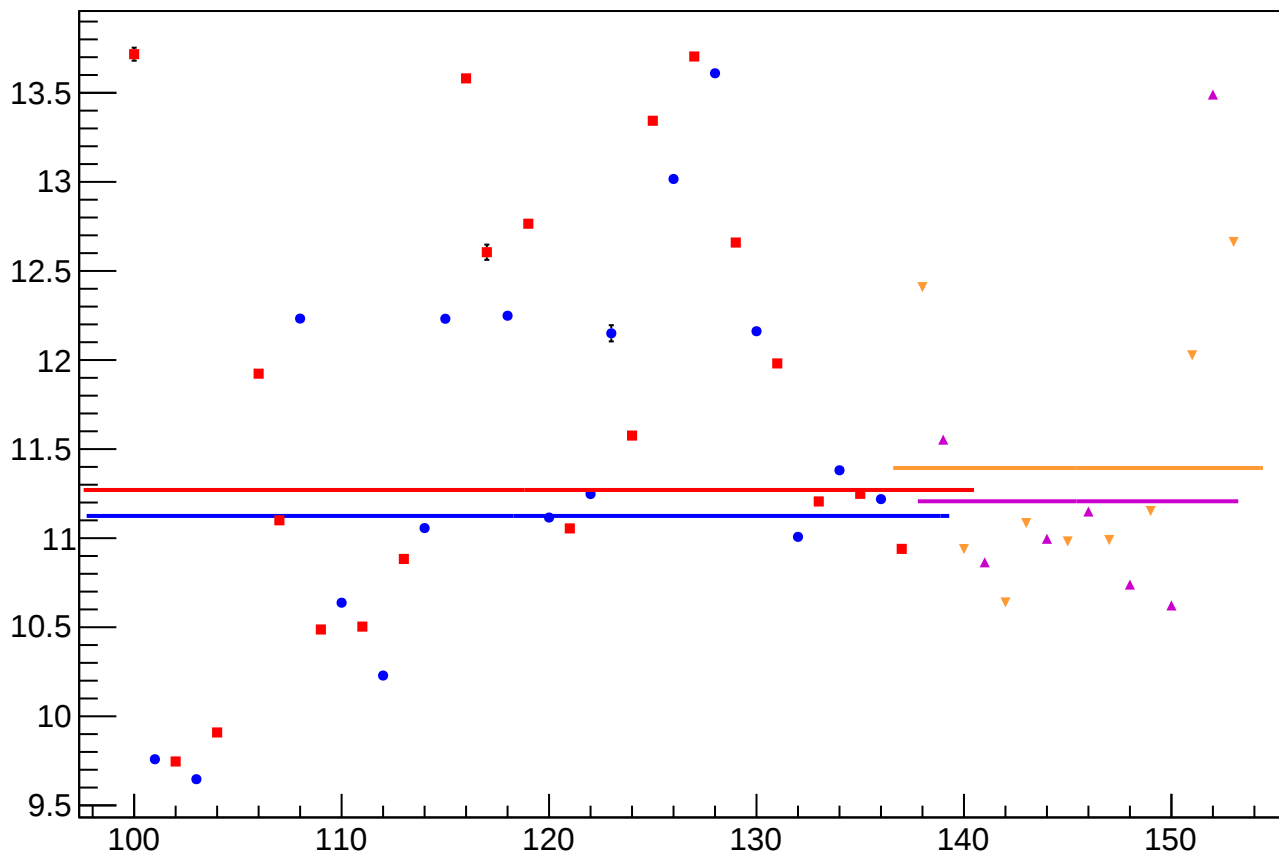
Right Out: -13.851 ± 4.255 $\chi^2/\text{NDF}: 25.4/19$

Left In: 10.410 ± 4.717 $\chi^2/\text{NDF}: 4.4/6$

-3.596 ± 3.124 $\chi^2/\text{NDF}: 21.9/25$

-2.968 ± 3.159 $\chi^2/\text{NDF}: 44.4/26$

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: 11.394+/-0.003 χ^2/NDF : 42579.0/8

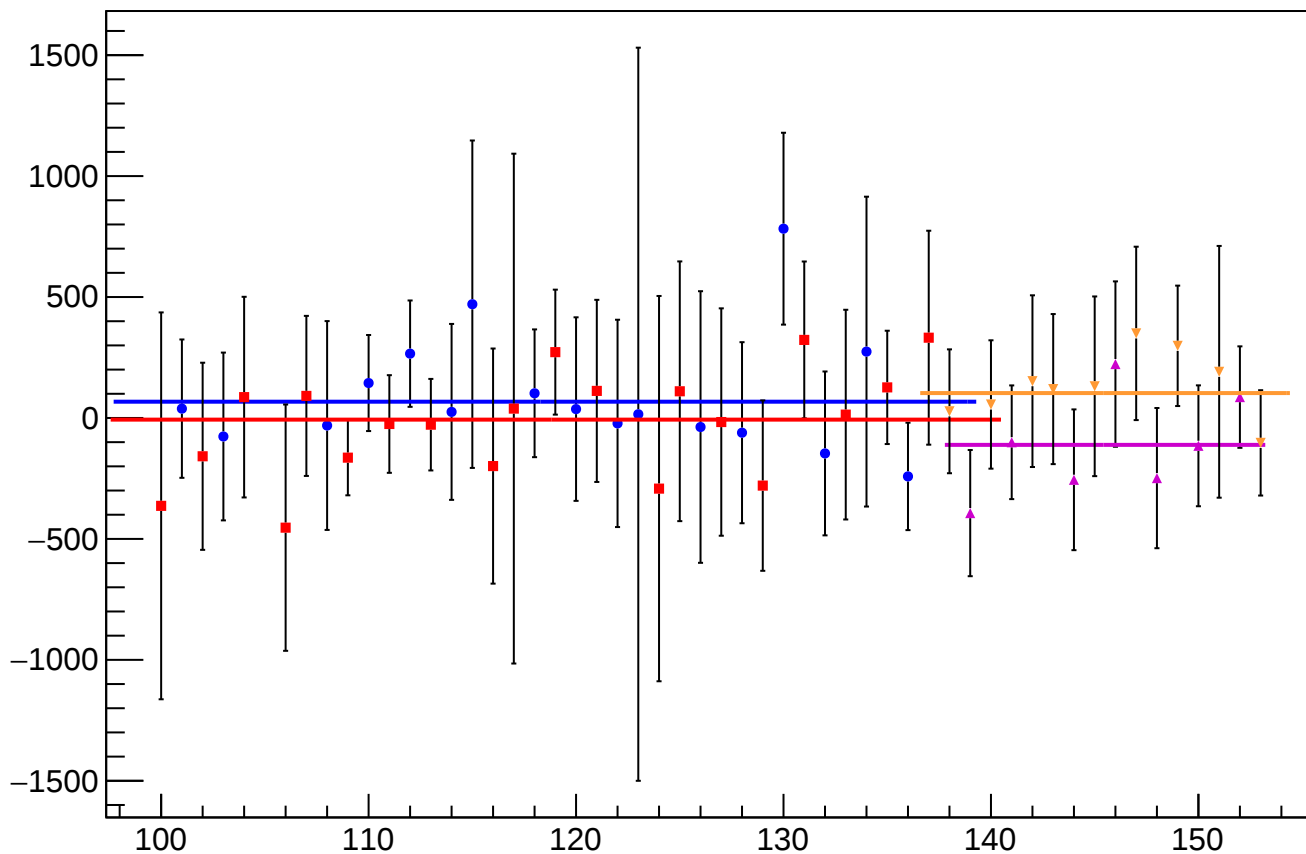
Right Out: 11.271+/-0.003 χ^2/NDF : 148711.4/19

Left In: 11.207+/-0.003 χ^2/NDF : 58245.1/6

11.256+/-0.002 χ^2/NDF : 178809.8/25

11.242+/-0.002 χ^2/NDF : 207156.3/26

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 67.305 $\pm$ 79.817 χ^2/NDF : 7.5/16

Left Out: 102.964 $\pm$ 98.183 χ^2/NDF : 2.2/8

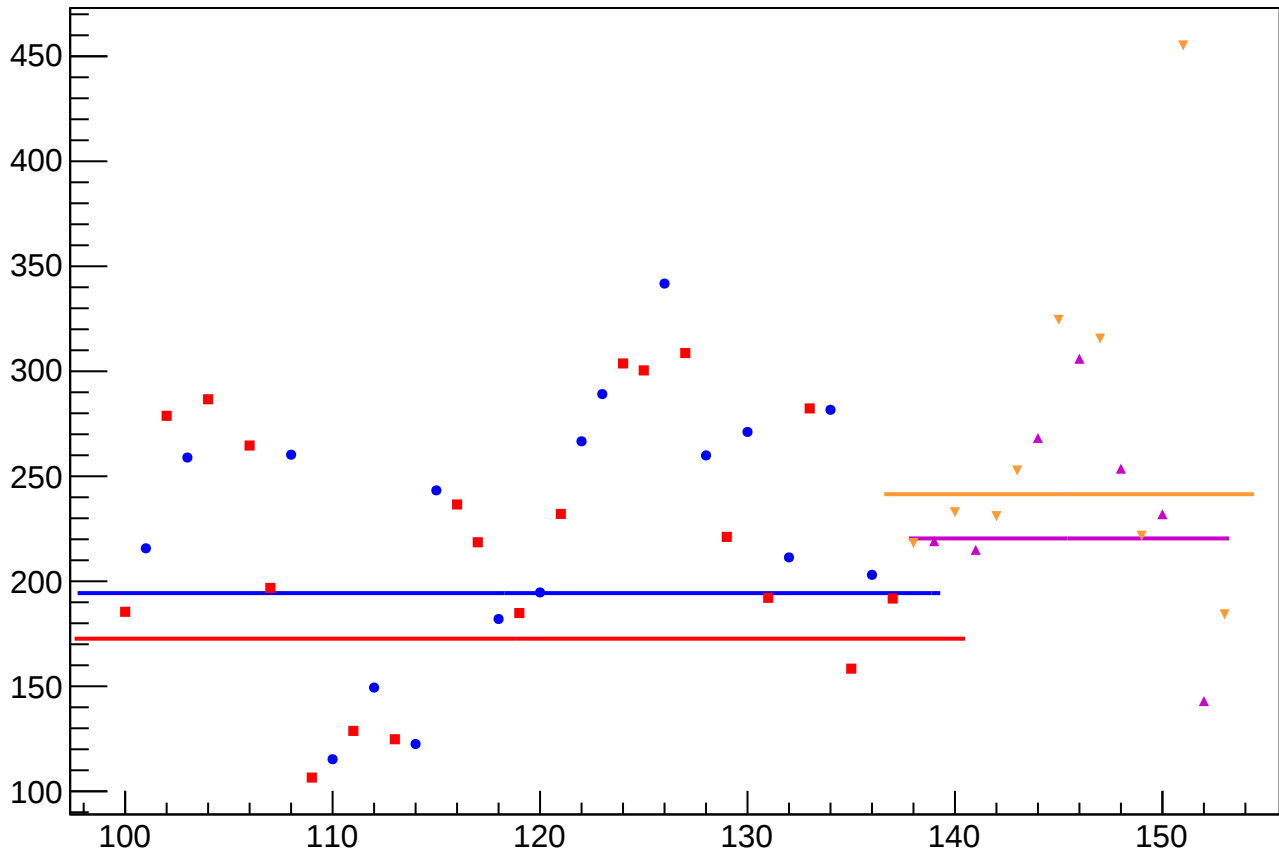
Right Out: -6.837 $\pm$ 70.057 χ^2/NDF : 6.4/19

Left In: -111.211 $\pm$ 98.148 χ^2/NDF : 3.5/6

81.494 $\pm$ 61.934 χ^2/NDF : 9.7/25

-42.066 $\pm$ 57.021 χ^2/NDF : 10.7/26

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: 241.467 ± 0.069 χ^2/NDF : 696289.4/8

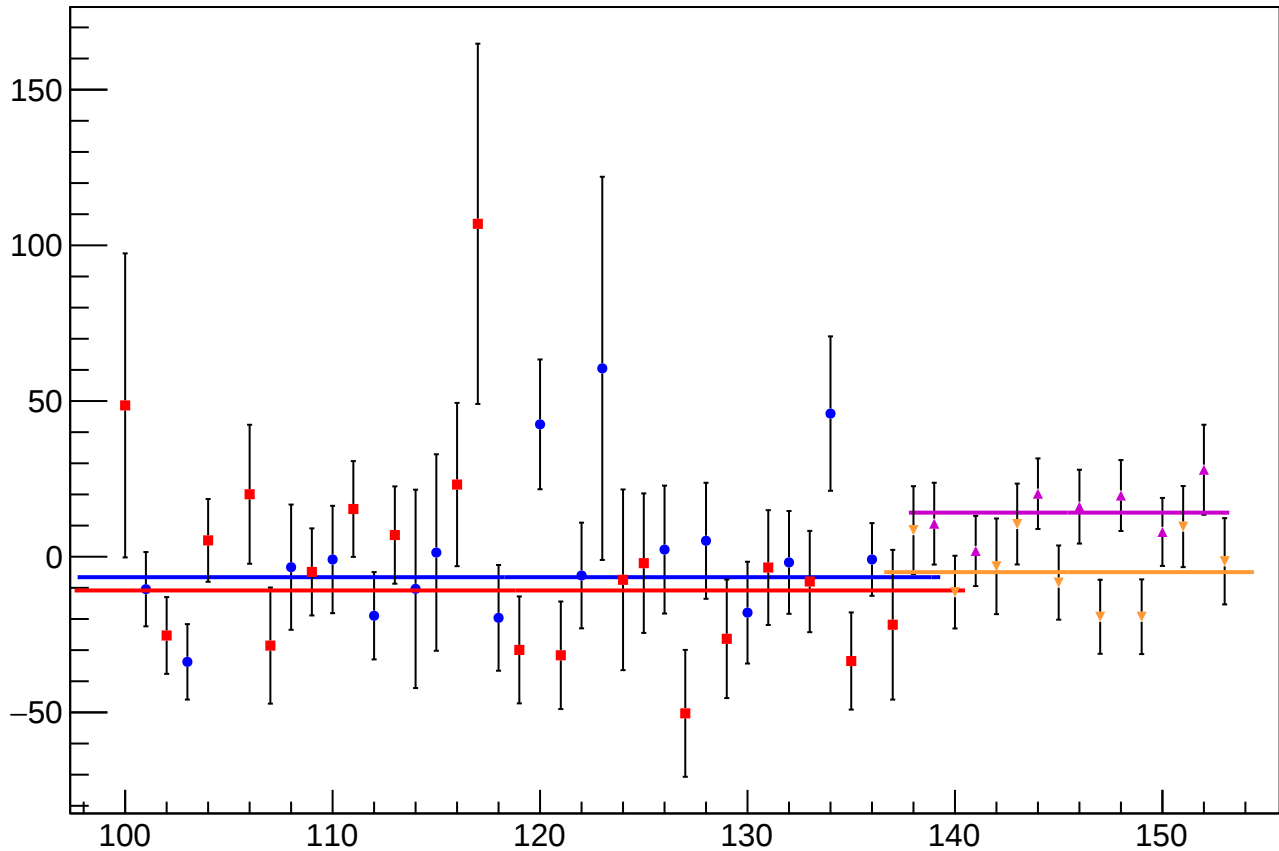
Right Out: 172.675 ± 0.050 χ^2/NDF : 1573459.1/19

Left In: 220.405 ± 0.069 χ^2/NDF : 483752.0/6

213.107 ± 0.044 χ^2/NDF : 1978659.2/25

188.785 ± 0.040 χ^2/NDF : 2370550.6/26

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -6.575 ± 4.157 χ^2/NDF : 19.3/16

-5.786 ± 2.981 χ^2/NDF : 26.3/25

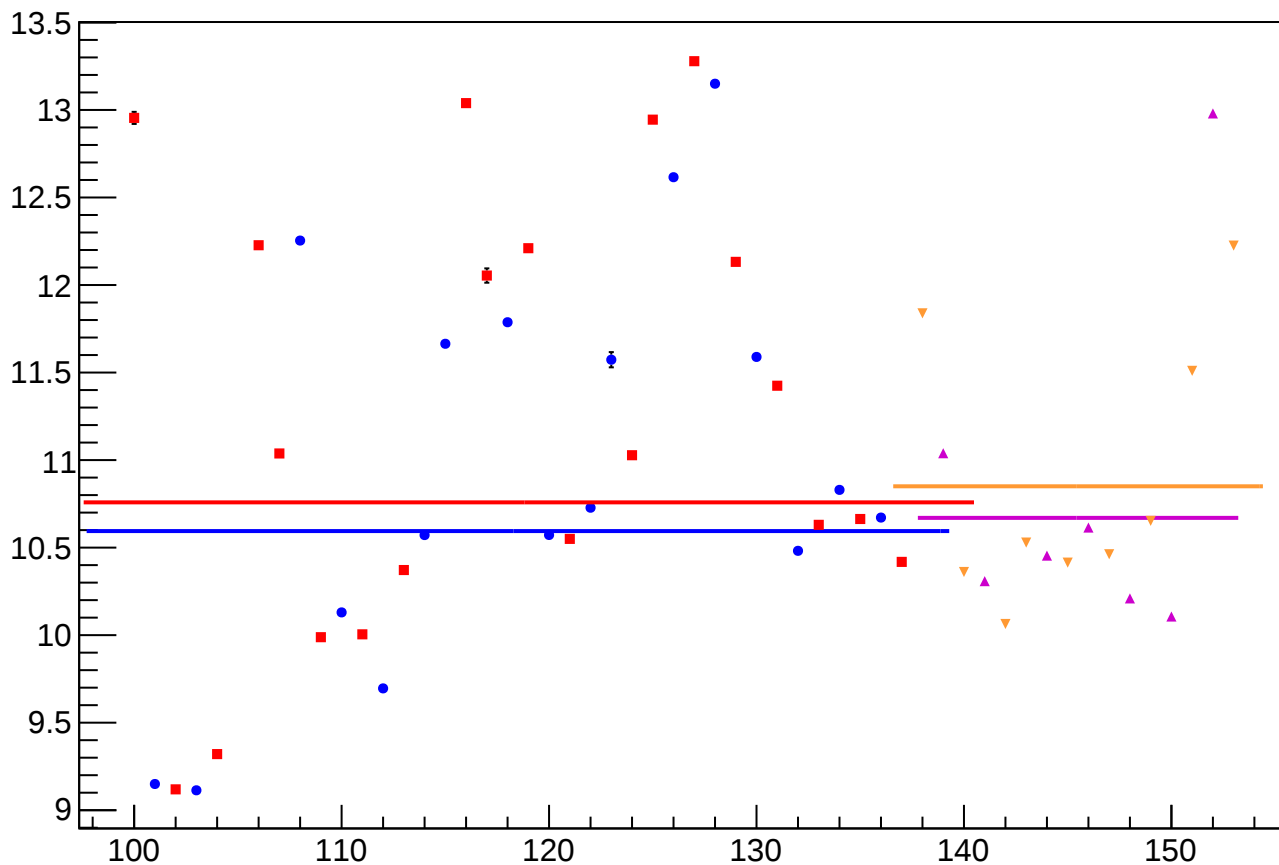
Left Out: -4.950 ± 4.276 χ^2/NDF : 6.9/8

0.415 ± 3.017 χ^2/NDF : 47.1/26

Right Out: -10.838 ± 4.070 χ^2/NDF : 27.1/19

Left In: 14.155 ± 4.497 χ^2/NDF : 3.0/6

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.594 $\pm$ 0.003 χ^2 /NDF: 160059.2/16

Left Out: 10.850 $\pm$ 0.003 χ^2 /NDF:49964.6/8

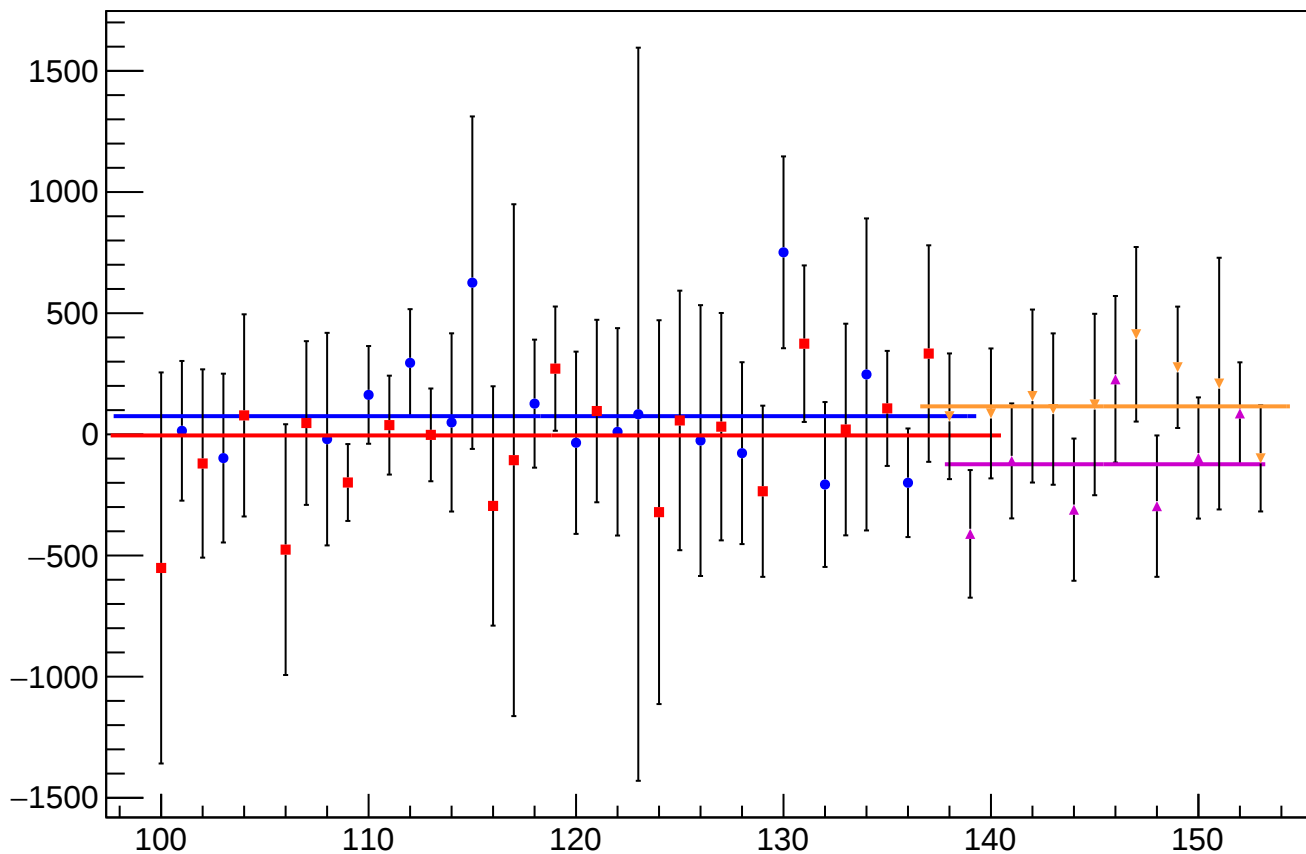
Right Out: 10.758 $\pm$ 0.003 χ^2 /NDF: 178180.9/19

Left In: 10.670 $\pm$ 0.003 χ^2 /NDF:64080.9/6

10.719 $\pm$ 0.002 χ^2 /NDF: 213701.7/25

10.719 $\pm$ 0.002 χ^2 /NDF: 242688.3/26

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 75.086 $\pm$ 80.352 χ^2 /NDF: 7.7/16

Left Out: 115.534 $\pm$ 98.925 χ^2 /NDF: 2.1/8

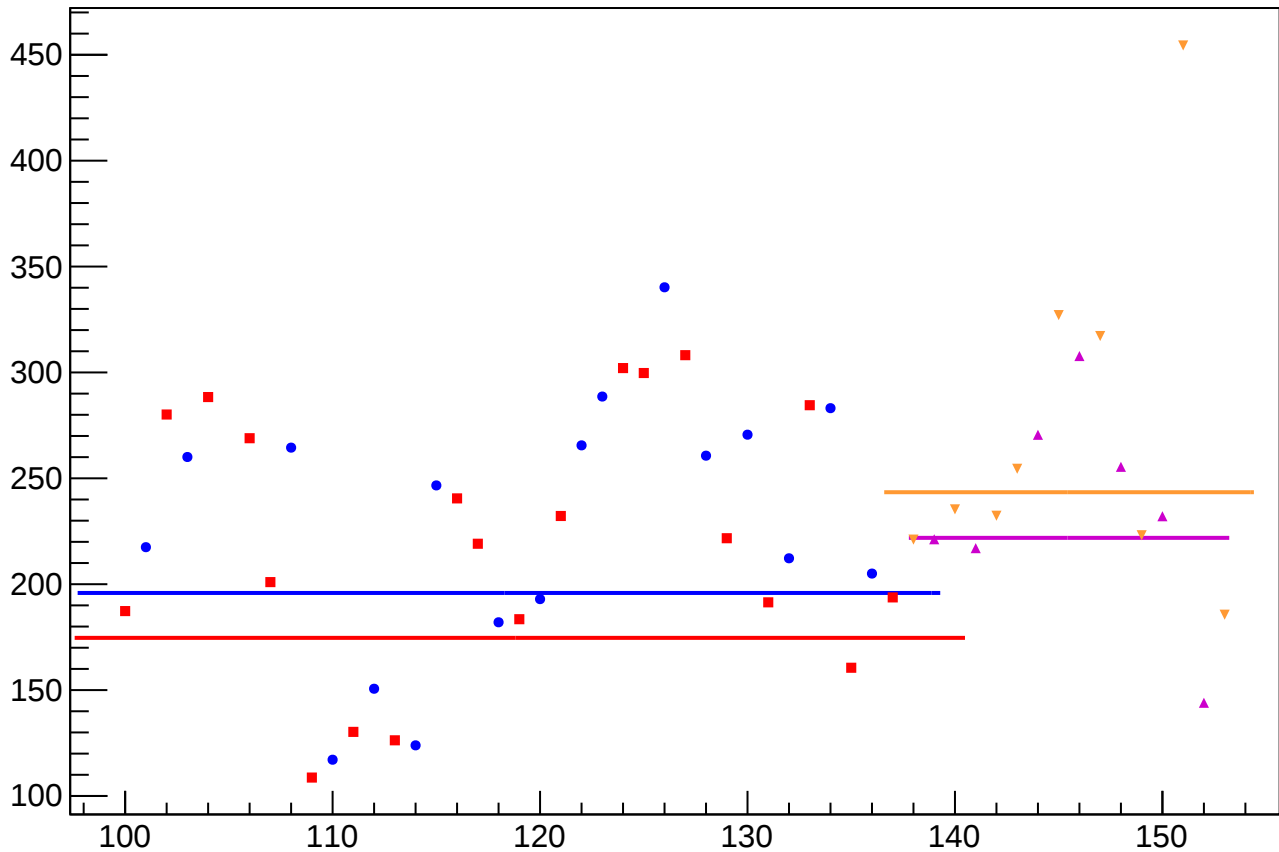
Right Out: -4.459 $\pm$ 70.724 χ^2 /NDF: 7.3/19

Left In: -123.372 $\pm$ 98.770 χ^2 /NDF: 4.0/6

91.164 $\pm$ 62.370 χ^2 /NDF: 9.9/25

-44.763 $\pm$ 57.503 χ^2 /NDF: 12.3/26

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 195.869 $\pm$ 0.057 χ^2 /NDF: 979247.4/16

Left Out: 243.439 $\pm$ 0.070 χ^2 /NDF: 687310.8/8

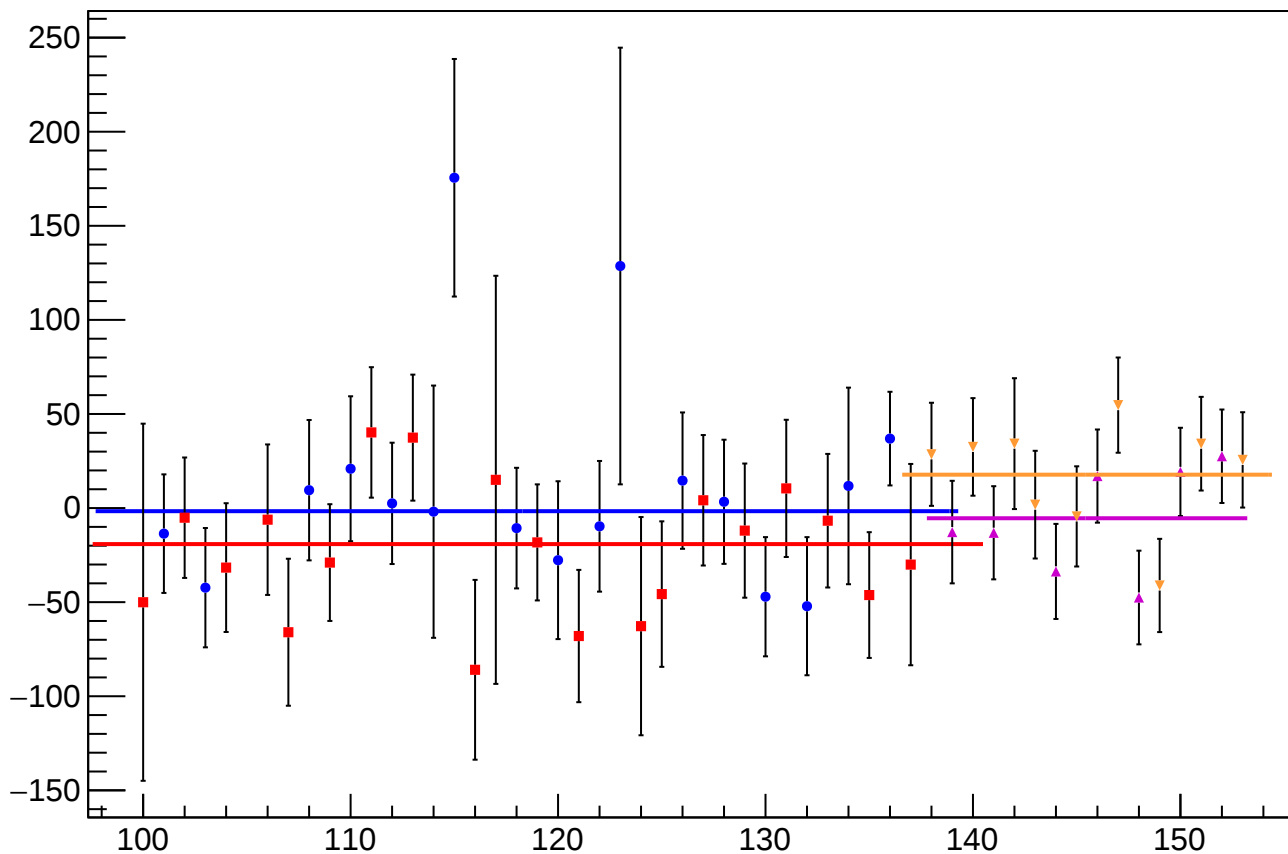
214.778 $\pm$ 0.044 χ^2 /NDF: 1945205.1/25

Right Out: 174.665 $\pm$ 0.050 χ^2 /NDF: 1532335.9/19

190.672 $\pm$ 0.041 χ^2 /NDF: 2318006.3/26

Left In: 221.891 $\pm$ 0.070 χ^2 /NDF: 483419.6/6

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: 17.740 ± 8.893 χ^2/NDF : 10.0/8

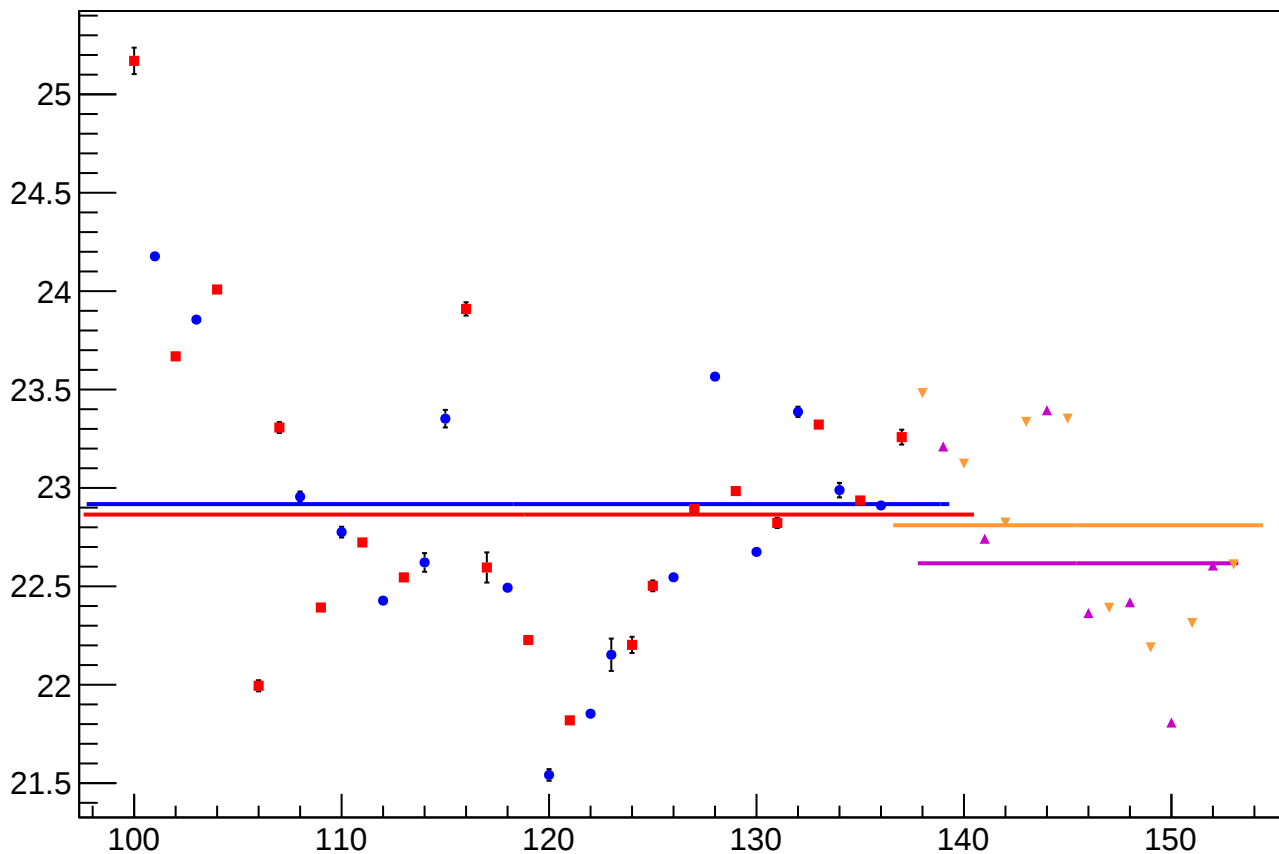
Right Out: -19.145 ± 8.529 χ^2/NDF : 14.9/19

Left In: -5.408 ± 9.436 χ^2/NDF : 8.0/6

8.030 ± 6.284 χ^2/NDF : 30.9/25

-12.968 ± 6.327 χ^2/NDF : 24.0/26

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: 22.810 ± 0.006 χ^2/NDF : 5718.2/8

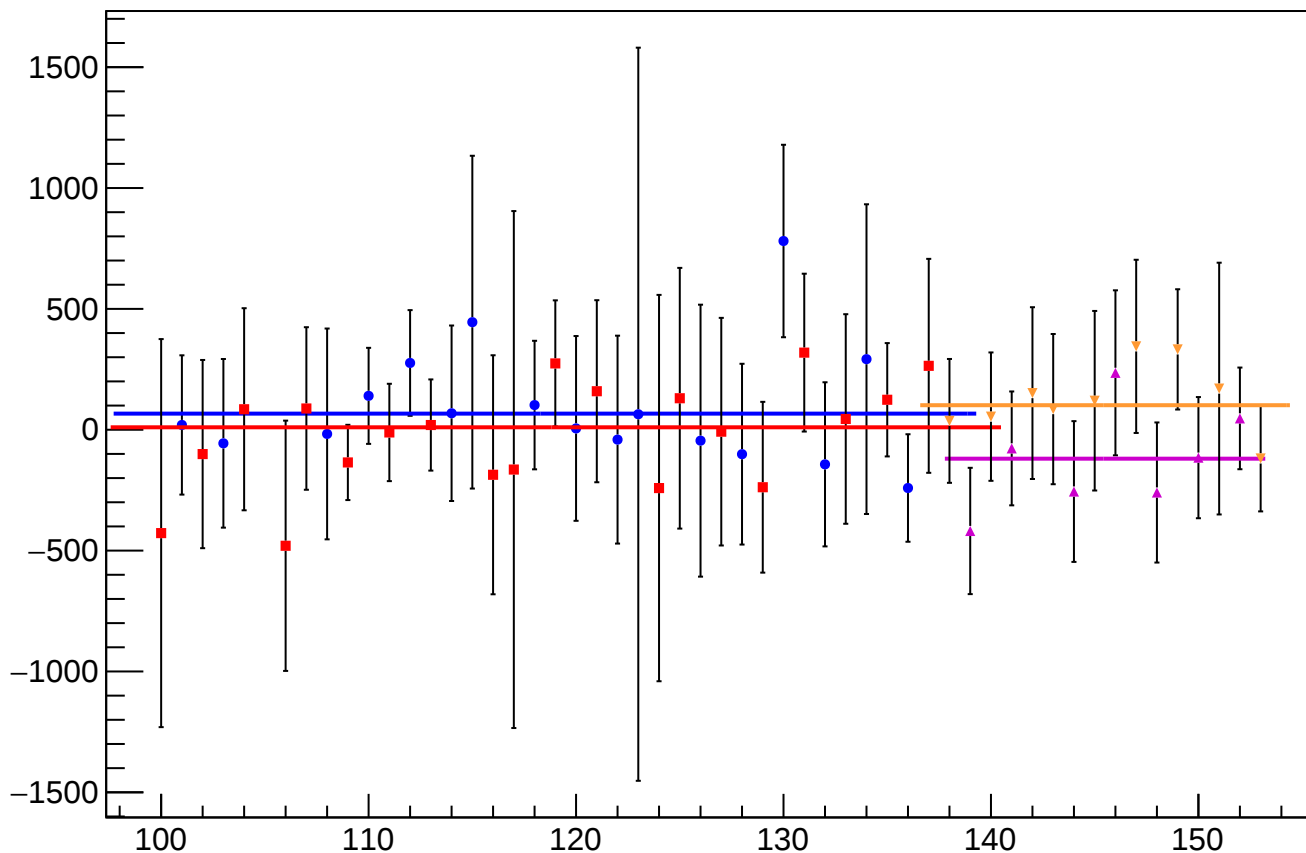
Right Out: 22.865 ± 0.006 χ^2/NDF : 11064.9/19

Left In: 22.617 ± 0.007 χ^2/NDF : 5611.5/6

22.864 ± 0.004 χ^2/NDF : 17336.7/25

22.753 ± 0.004 χ^2/NDF : 17433.6/26

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: 101.508+/-98.342 χ^2/NDF : 2.5/8

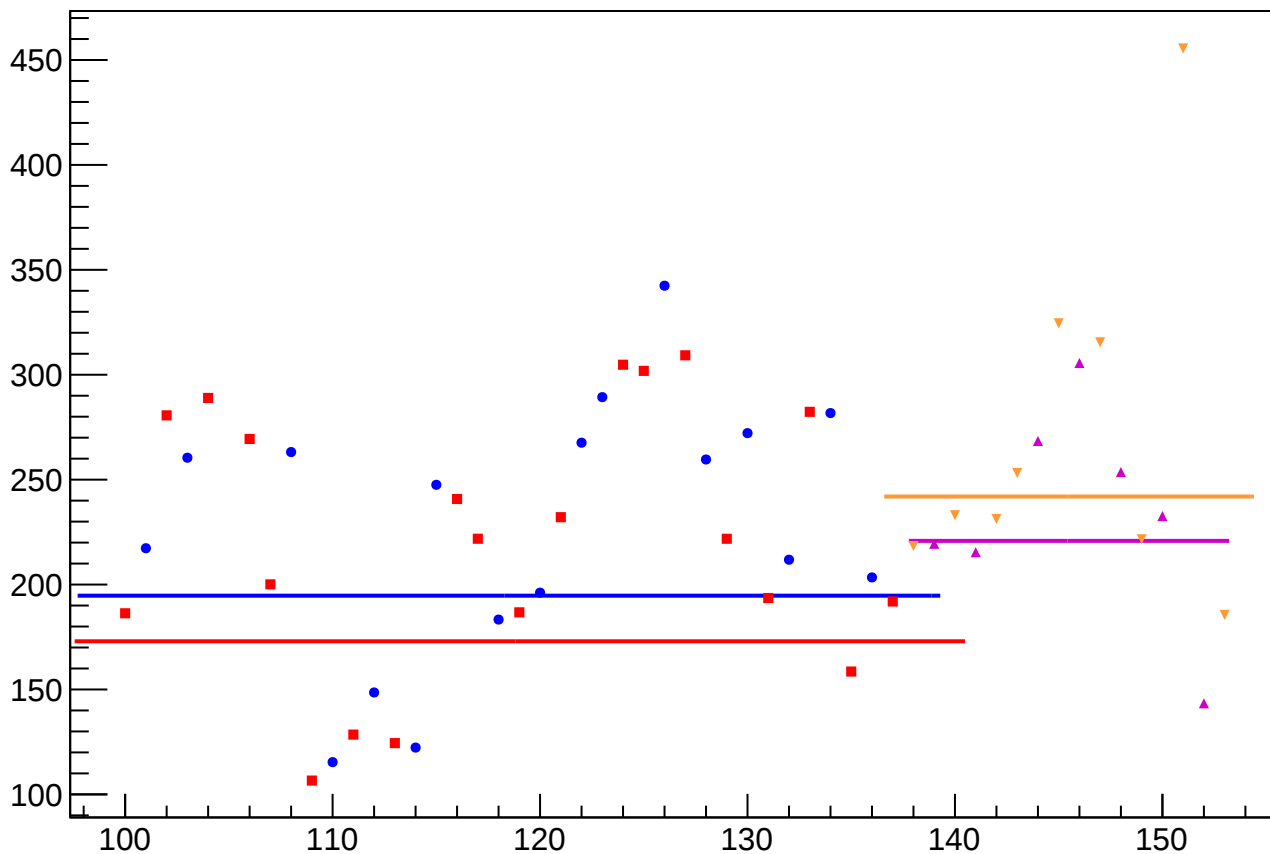
Right Out: 10.113+/-70.234 χ^2/NDF : 5.7/19

Left In: -119.702+/-98.303 χ^2/NDF : 3.5/6

80.561+/-62.057 χ^2/NDF : 10.1/25

-33.758+/-57.147 χ^2/NDF : 10.4/26

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.703+/-0.057 χ^2/NDF : 1019872.4/16

Left Out: 241.956+/-0.070 χ^2/NDF : 688794.7/8

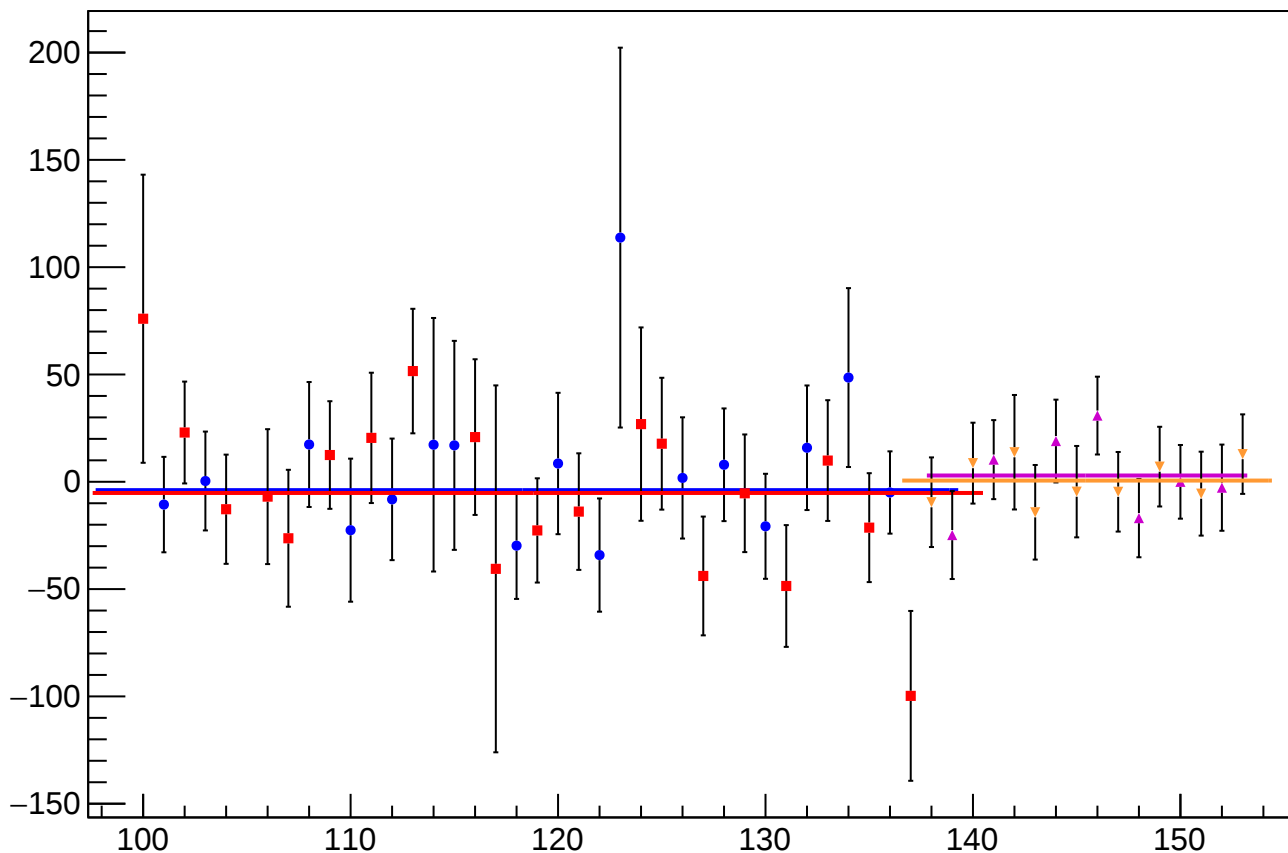
213.519+/-0.044 χ^2/NDF : 1986556.8/25

Right Out: 172.965+/-0.050 χ^2/NDF : 1601142.0/19

189.139+/-0.040 χ^2/NDF : 2393877.5/26

Left In: 220.824+/-0.070 χ^2/NDF : 478889.6/6

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.894 ± 6.915 χ^2/NDF : 8.4/16

Left Out: 0.571 ± 6.724 χ^2/NDF : 1.9/8

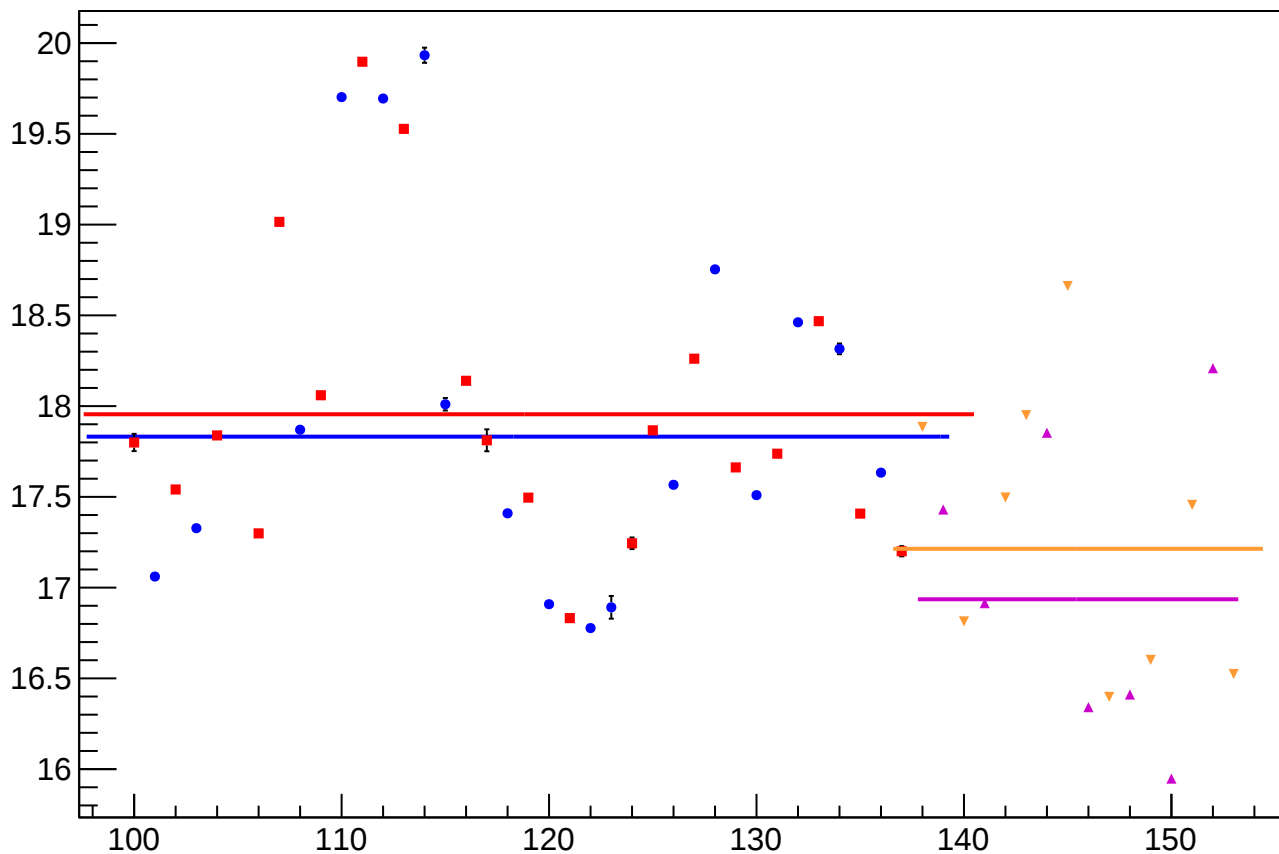
Right Out: -5.204 ± 6.706 χ^2/NDF : 21.5/19

Left In: 2.929 ± 7.082 χ^2/NDF : 6.4/6

-1.599 ± 4.821 χ^2/NDF : 10.5/25

-1.359 ± 4.869 χ^2/NDF : 28.6/26

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 17.832 $\pm$ 0.005 χ^2 /NDF: 30863.4/16

Left Out: 17.214 $\pm$ 0.005 χ^2 /NDF:23792.3/8

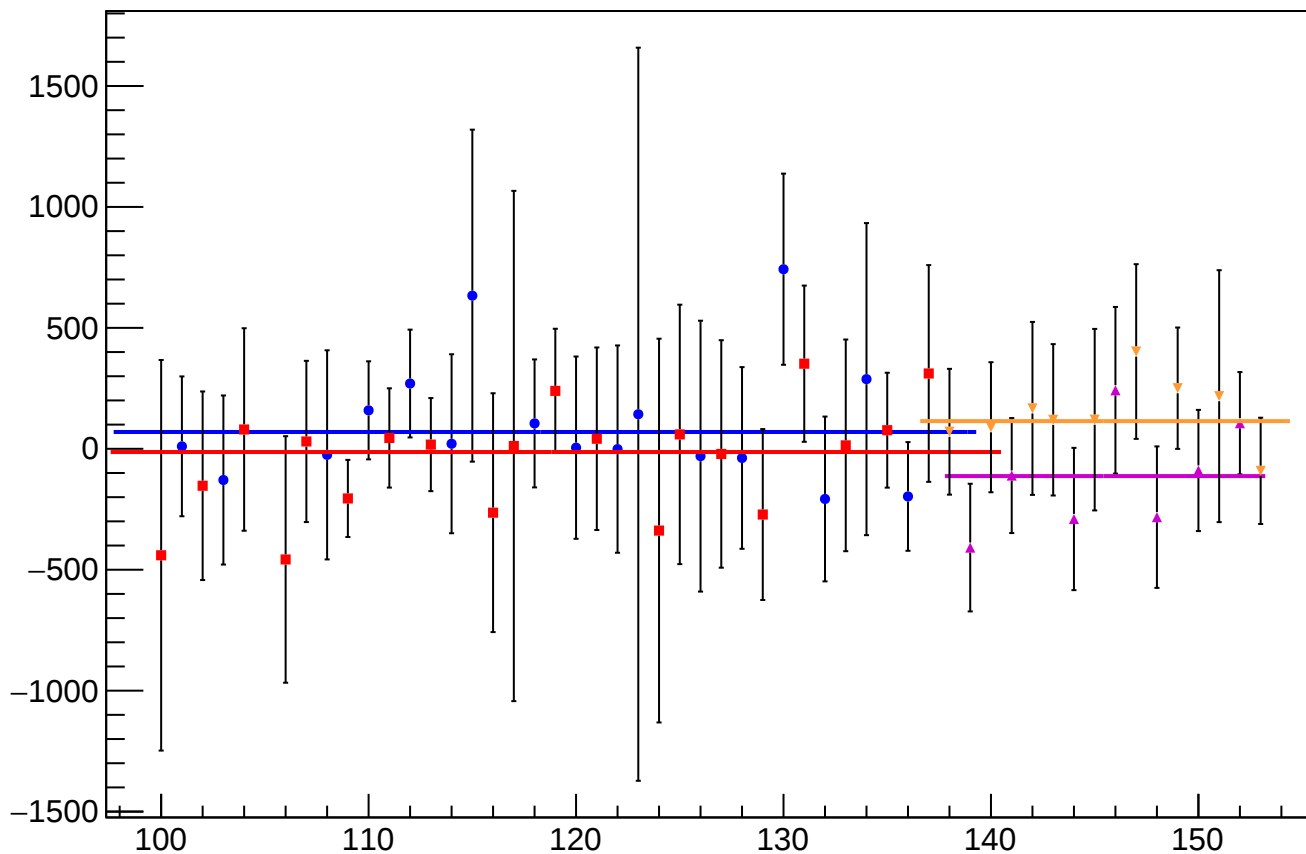
Right Out: 17.955 $\pm$ 0.005 χ^2 /NDF: 25454.6/19

Left In: 16.936 $\pm$ 0.005 χ^2 /NDF:24154.0/6

17.514 $\pm$ 0.003 χ^2 /NDF: 62863.4/25

17.473 $\pm$ 0.003 χ^2 /NDF: 71452.1/26

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: 114.445 $\pm$ 99.148 χ^2 /NDF: 1.9/8

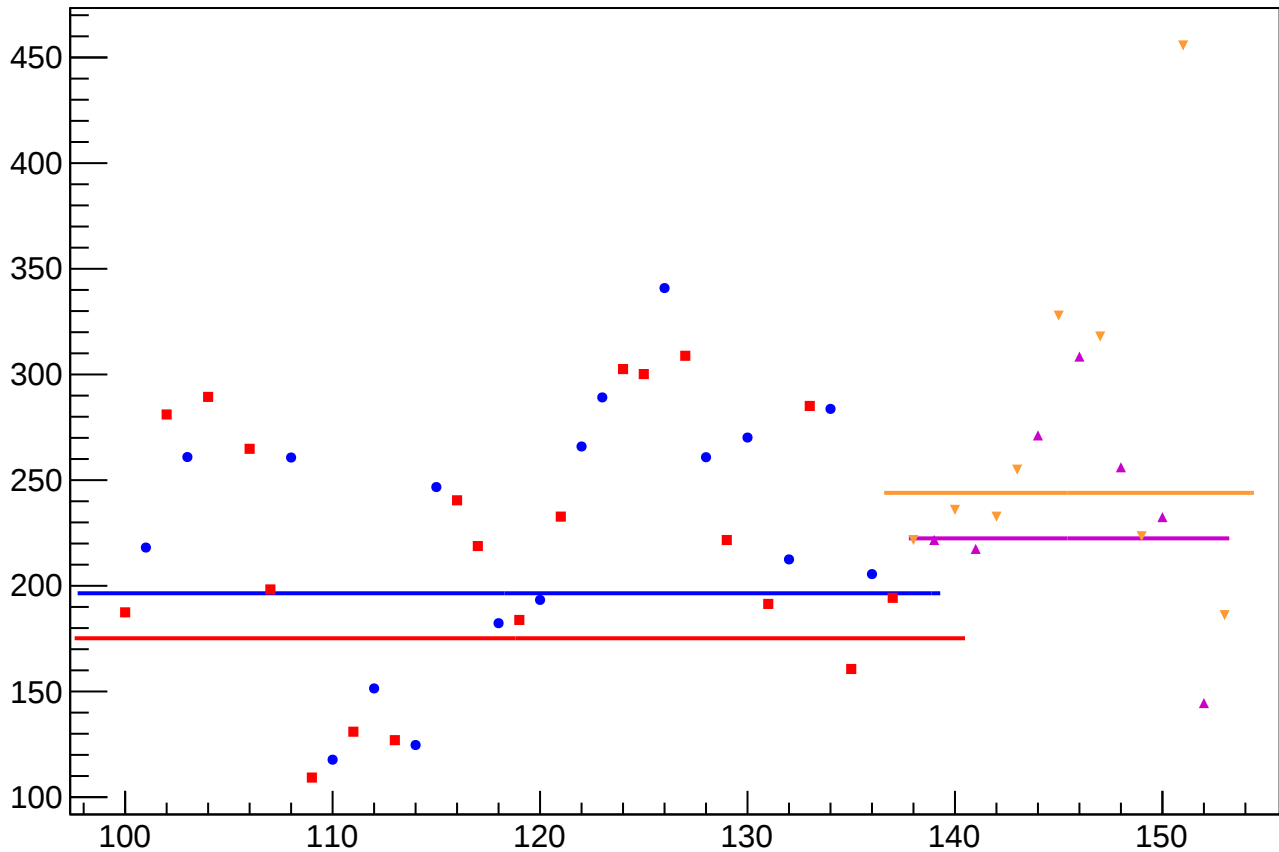
Right Out: -13.298 $\pm$ 70.881 χ^2 /NDF: 6.7/19

Left In: -112.787 $\pm$ 99.008 χ^2 /NDF: 4.1/6

87.377 $\pm$ 62.518 χ^2 /NDF: 9.4/25

-47.010 $\pm$ 57.634 χ^2 /NDF: 11.5/26

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: 243.990 +/- 0.070 χ^2/NDF : 687385.2/8

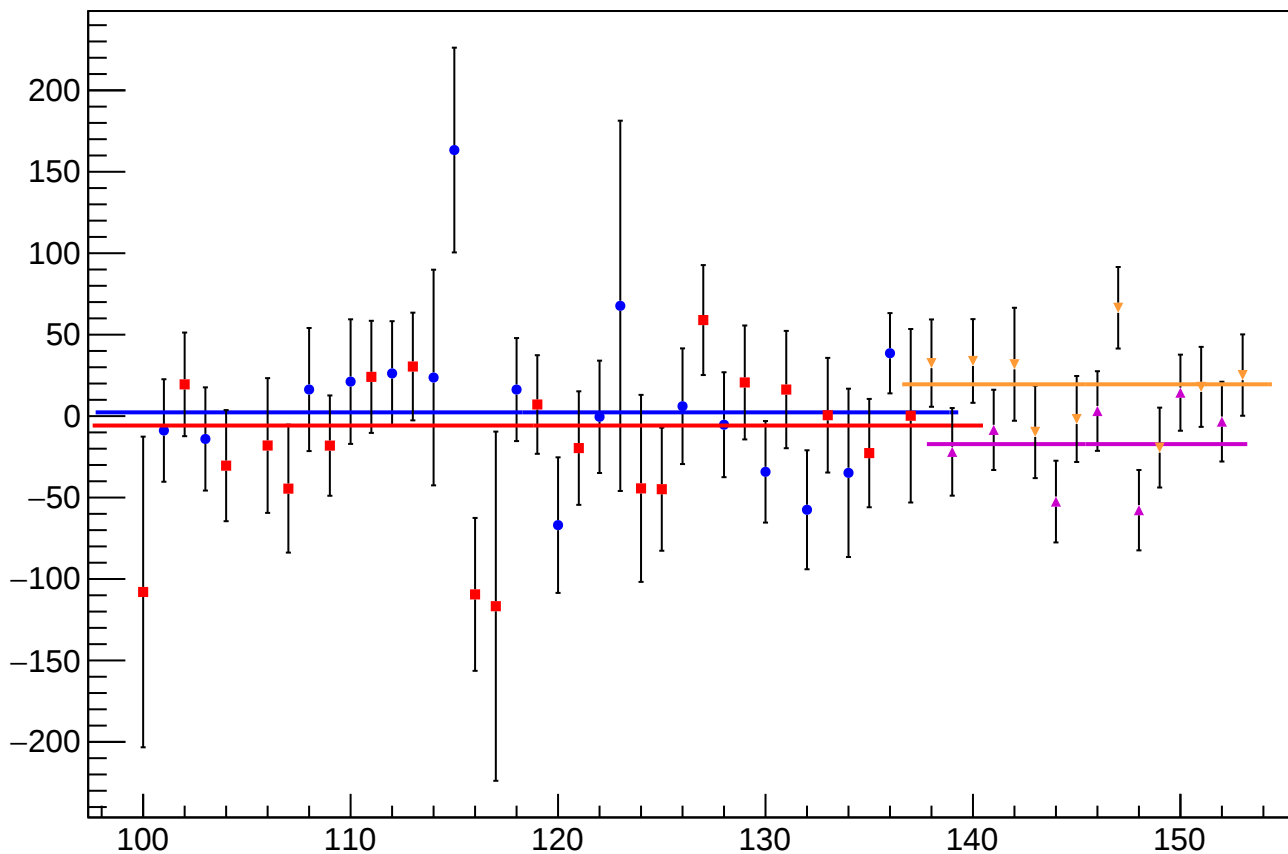
Right Out: 175.179 +/- 0.050 χ^2/NDF : 1514541.6/19

Left In: 222.448 +/- 0.070 χ^2/NDF : 481672.6/6

215.364 +/- 0.044 χ^2/NDF : 1928419.2/25

191.196 +/- 0.041 χ^2/NDF : 2297605.2/26

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 2.307 $\pm$ 8.805 χ^2/NDF : 18.1/16

Left Out: 19.536 $\pm$ 8.793 χ^2/NDF : 8.5/8

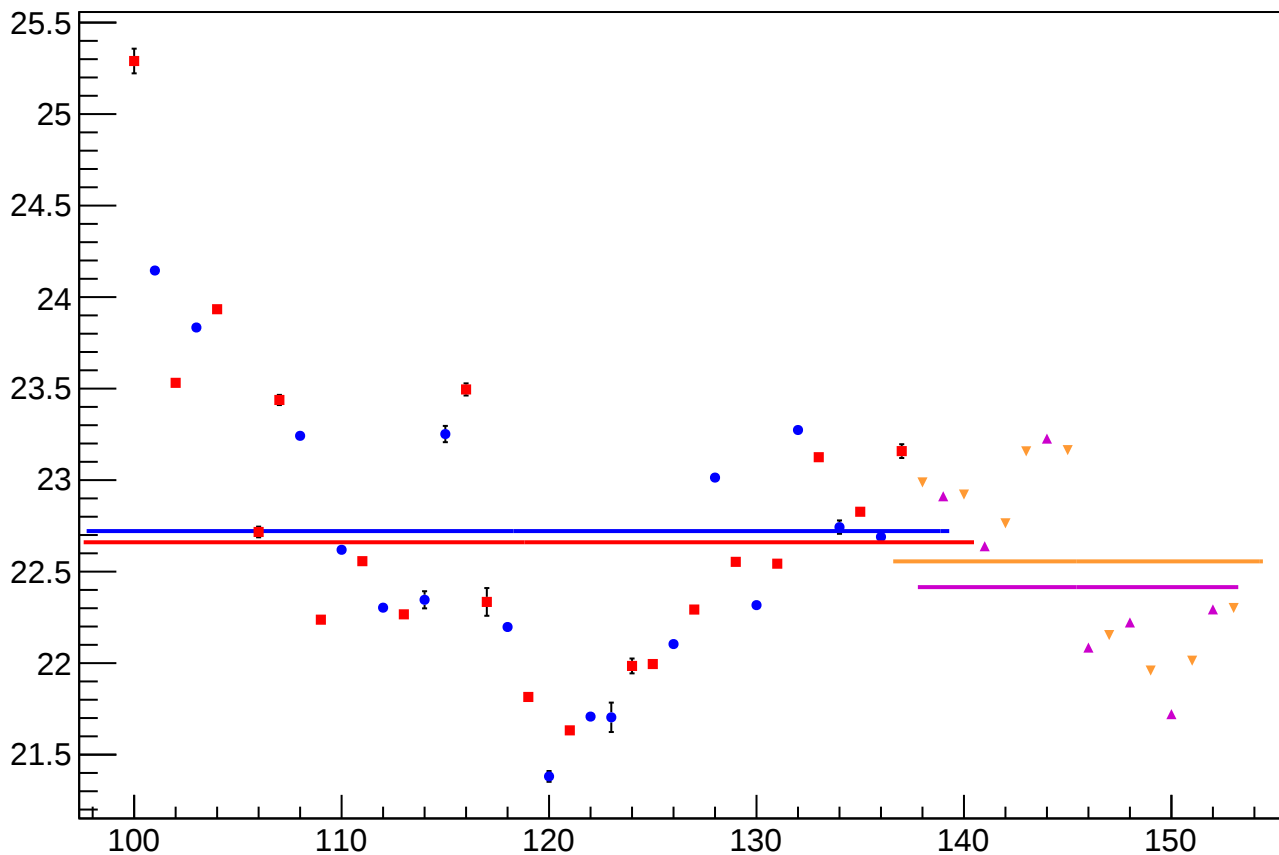
Right Out: -5.783 $\pm$ 8.453 χ^2/NDF : 18.2/19

Left In: -17.190 $\pm$ 9.351 χ^2/NDF : 7.7/6

10.933 $\pm$ 6.222 χ^2/NDF : 28.5/25

-10.913 $\pm$ 6.271 χ^2/NDF : 26.7/26

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: 22.556+/-0.006 χ^2/NDF : 5836.2/8

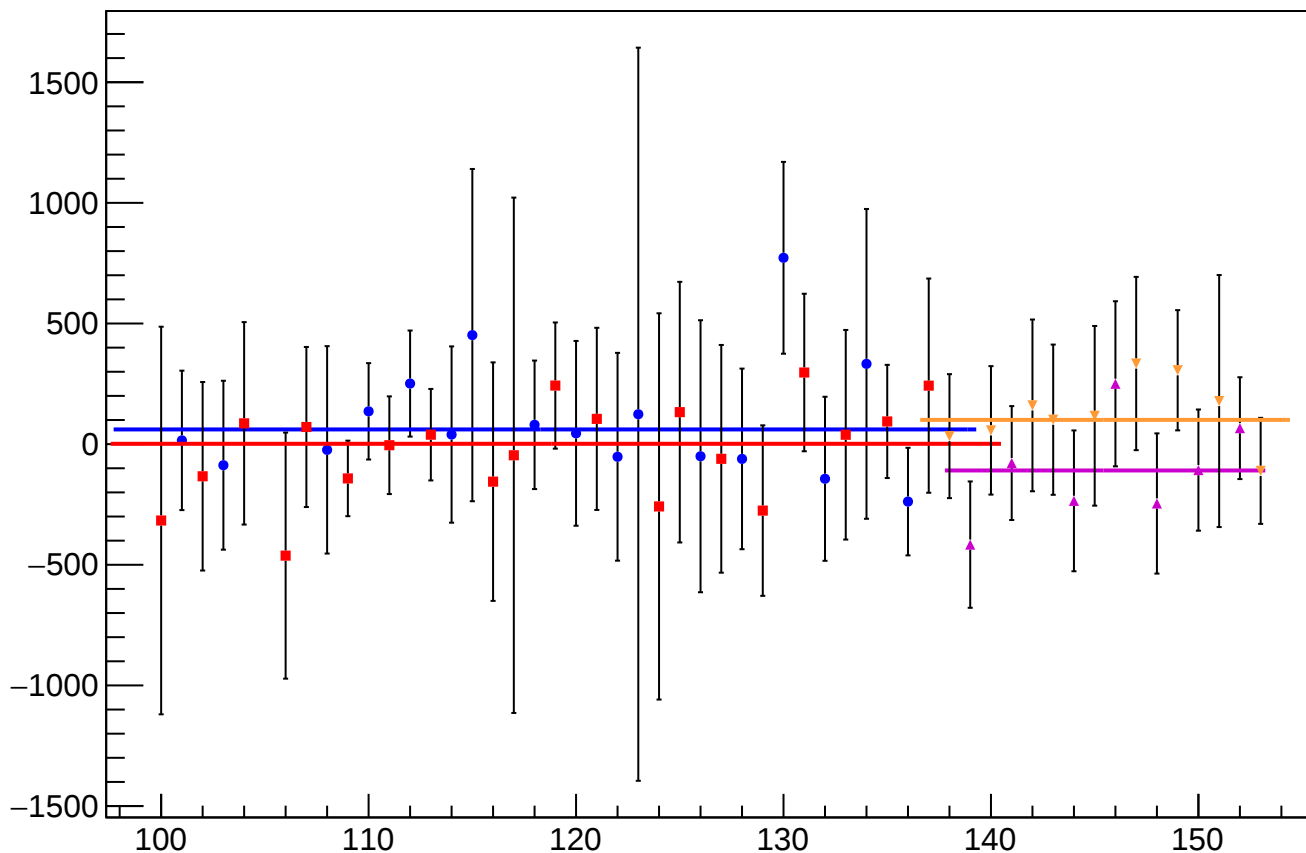
Right Out: 22.660+/-0.006 χ^2/NDF : 12974.2/19

Left In: 22.415+/-0.007 χ^2/NDF : 5242.6/6

22.639+/-0.004 χ^2/NDF : 19770.6/25

22.550+/-0.004 χ^2/NDF : 18972.7/26

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 60.960 $\pm$ 80.197 χ^2 /NDF: 7.2/16

Left Out: 100.575 $\pm$ 98.564 χ^2 /NDF: 2.2/8

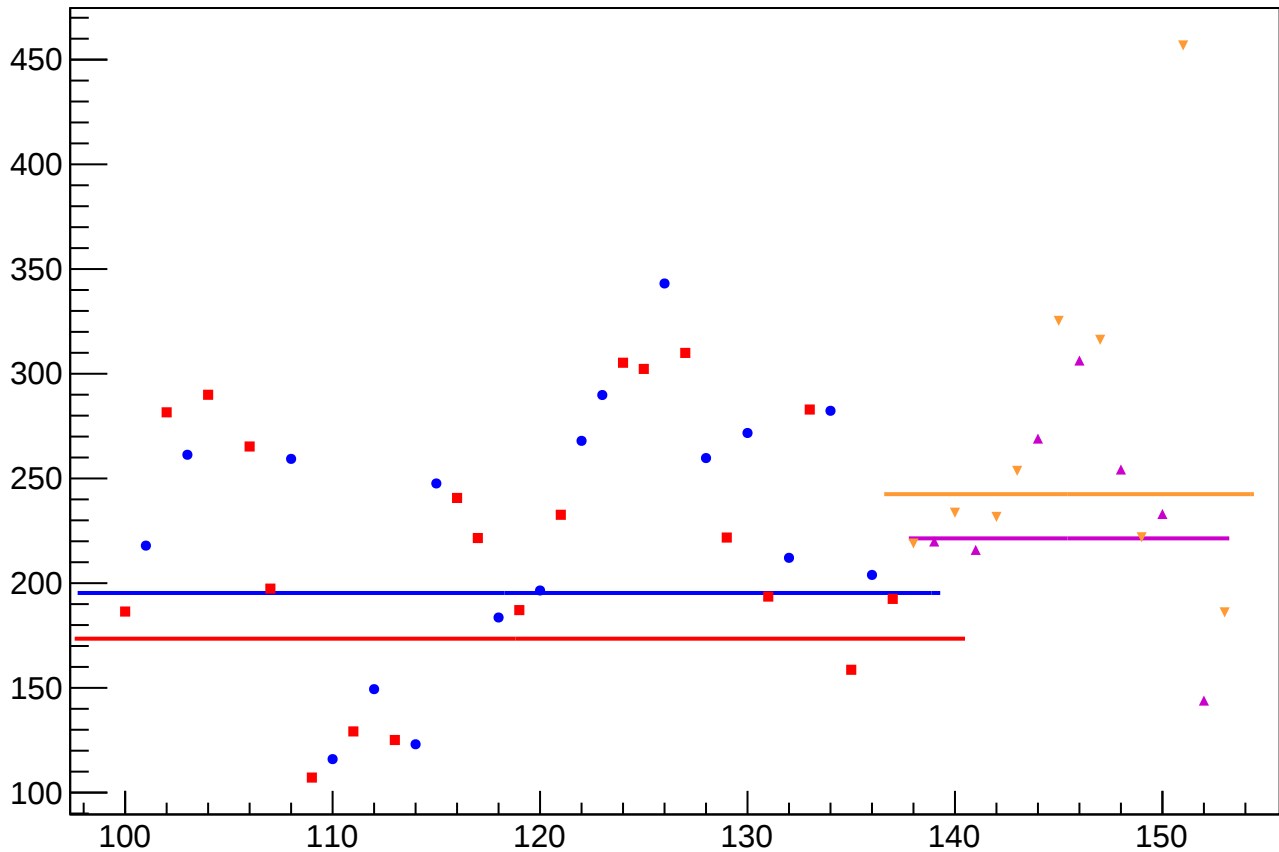
Right Out: 1.439 $\pm$ 70.395 χ^2 /NDF: 5.2/19

Left In: -109.105 $\pm$ 98.543 χ^2 /NDF: 3.6/6

76.740 $\pm$ 62.207 χ^2 /NDF: 9.5/25

-35.912 $\pm$ 57.281 χ^2 /NDF: 9.6/26

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: 242.504+/-0.070 χ^2/NDF : 688908.1/8

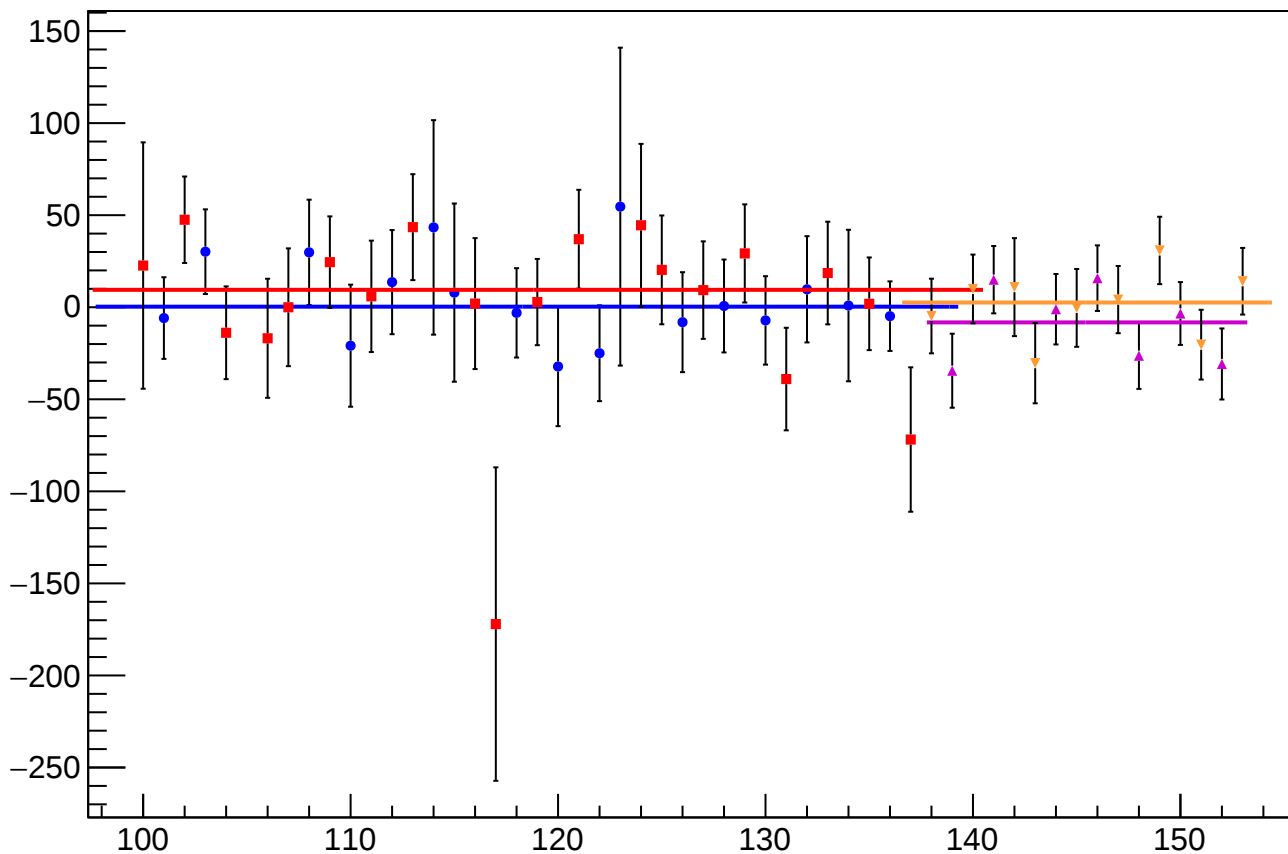
214.112+/-0.044 χ^2/NDF : 1968940.6/25

Right Out: 173.495+/-0.050 χ^2/NDF : 1582449.6/19

189.677+/-0.041 χ^2/NDF : 2372279.3/26

Left In: 221.387+/-0.070 χ^2/NDF : 477046.8/6

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: 2.561 ± 6.612 $\chi^2/\text{NDF}: 6.9/8$

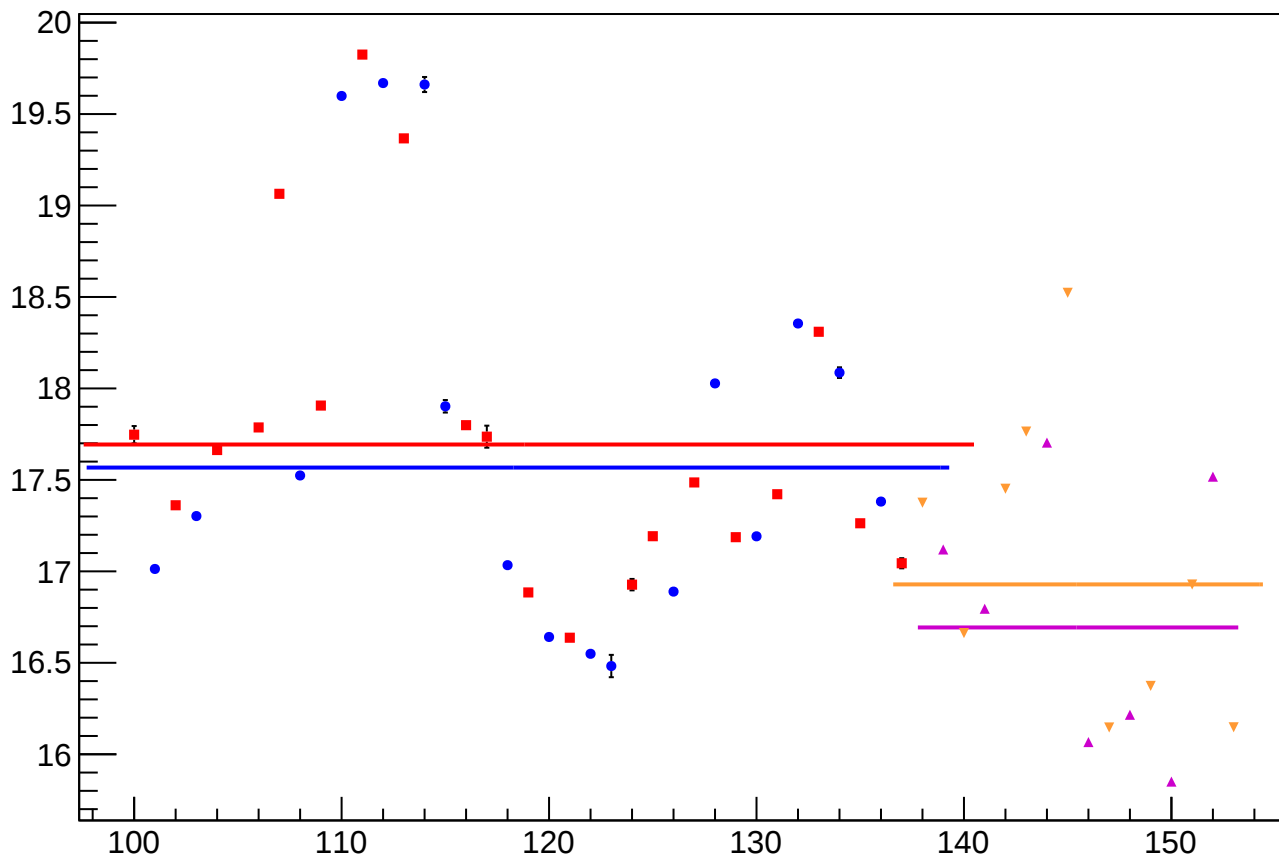
Right Out: 9.452 ± 6.608 $\chi^2/\text{NDF}: 20.6/19$

Left In: -8.241 ± 6.977 $\chi^2/\text{NDF}: 7.7/6$

1.467 ± 4.744 $\chi^2/\text{NDF}: 13.8/25$

1.086 ± 4.798 $\chi^2/\text{NDF}: 31.7/26$

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: 16.929 ± 0.005 χ^2/NDF : 25701.7/8

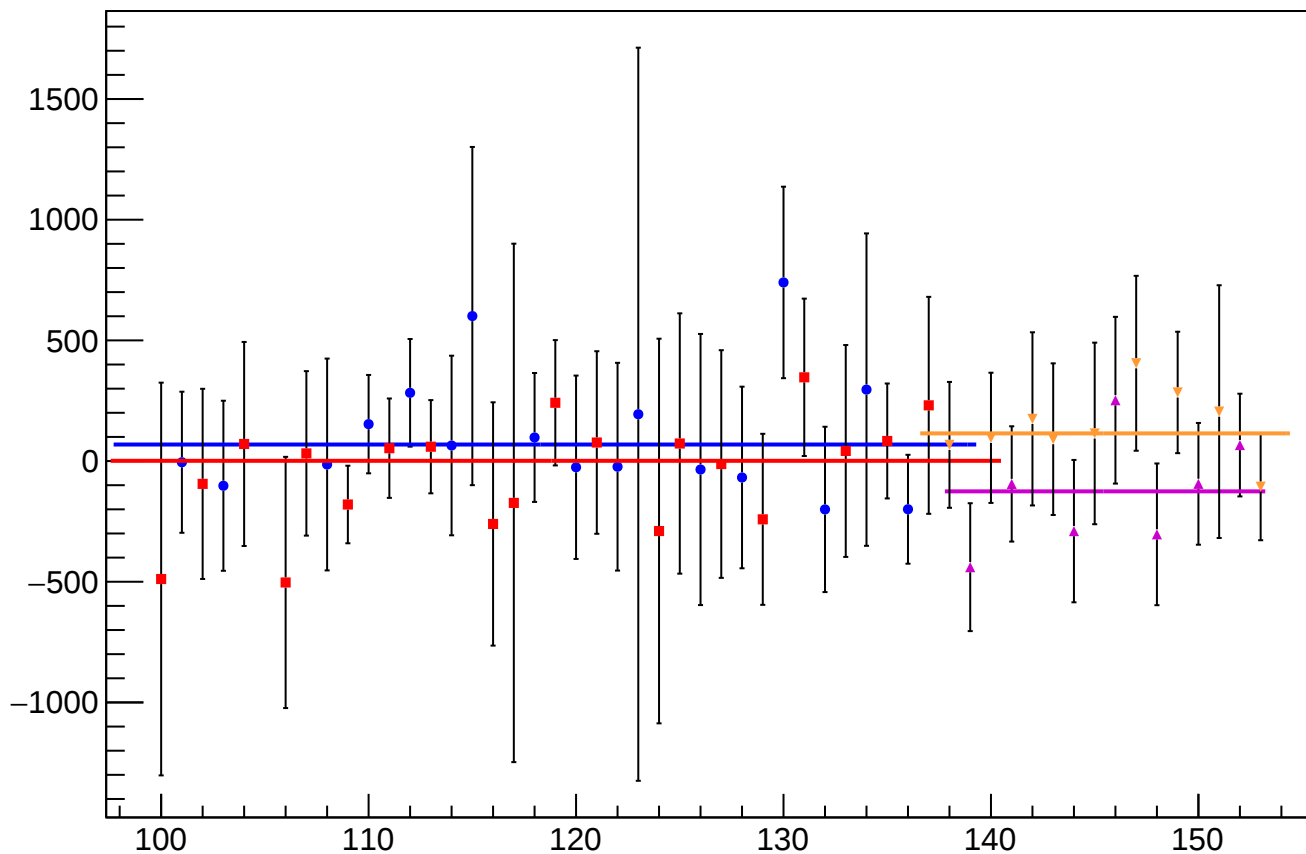
Right Out: 17.693 ± 0.005 χ^2/NDF : 30767.6/19

Left In: 16.693 ± 0.005 χ^2/NDF : 18946.4/6

17.238 ± 0.003 χ^2/NDF : 67899.7/25

17.220 ± 0.003 χ^2/NDF : 71381.3/26

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: 114.702+/-99.593 χ^2/NDF : 2.2/8

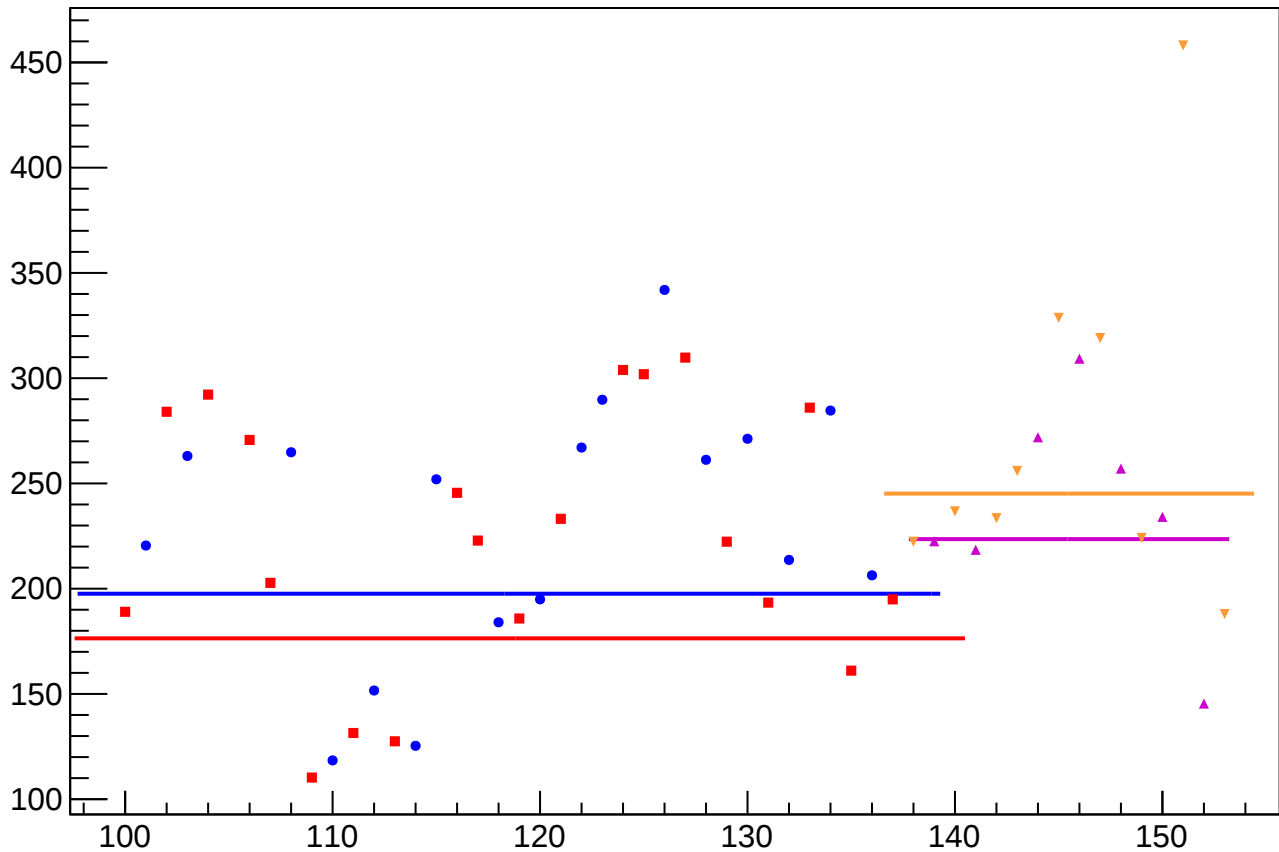
Right Out: 1.057+/-71.380 χ^2/NDF : 6.1/19

Left In: -125.522+/-99.471 χ^2/NDF : 4.1/6

86.931+/-62.849 χ^2/NDF : 9.6/25

-41.968+/-57.993 χ^2/NDF : 11.3/26

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.603 +/- 0.057 χ^2/NDF : 968827.8/16

Left Out: 245.164 +/- 0.070 χ^2/NDF : 681304.4/8

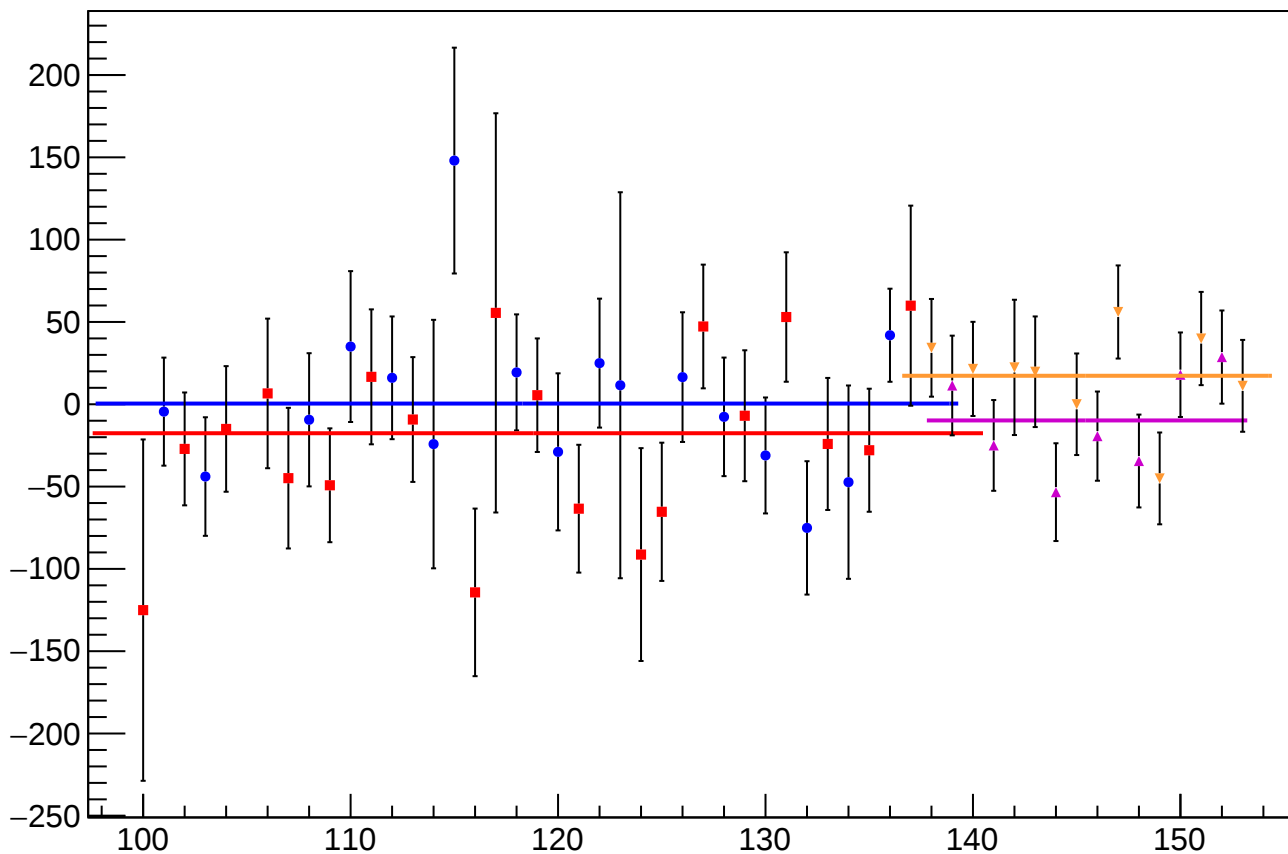
Right Out: 176.407 +/- 0.050 χ^2/NDF : 1523589.5/19

Left In: 223.549 +/- 0.070 χ^2/NDF : 477116.6/6

216.544 +/- 0.044 χ^2/NDF : 1924599.2/25

192.431 +/- 0.041 χ^2/NDF : 2297223.4/26

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 0.427 $\pm$ 9.884 χ^2/NDF : 15.5/16

Left Out: 17.311 $\pm$ 10.023 χ^2/NDF : 8.2/8

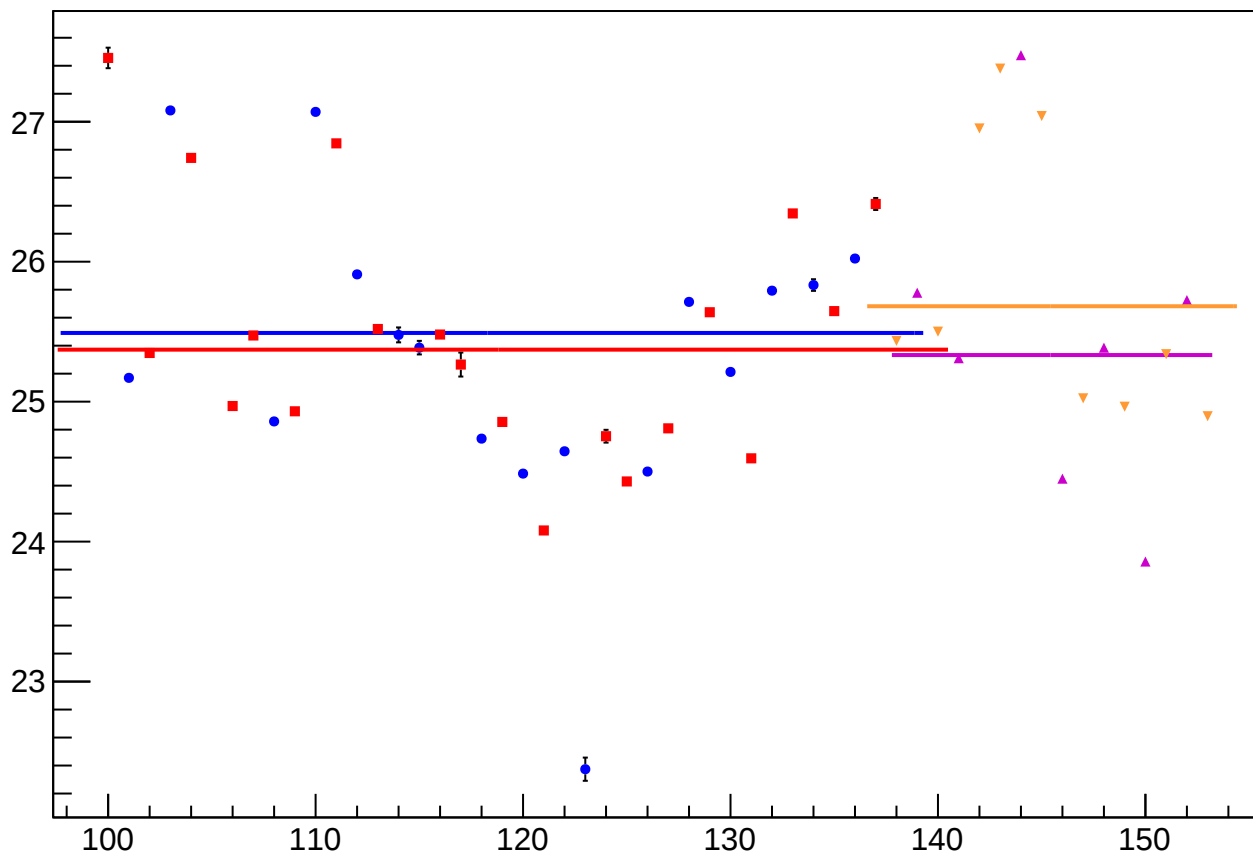
Right Out: -17.595 $\pm$ 9.470 χ^2/NDF : 19.8/19

Left In: -9.823 $\pm$ 10.584 χ^2/NDF : 6.9/6

8.751 $\pm$ 7.038 χ^2/NDF : 25.1/25

-14.140 $\pm$ 7.057 χ^2/NDF : 27.0/26

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: 25.682 $\pm$ 0.007 χ^2 /NDF:15407.2/8

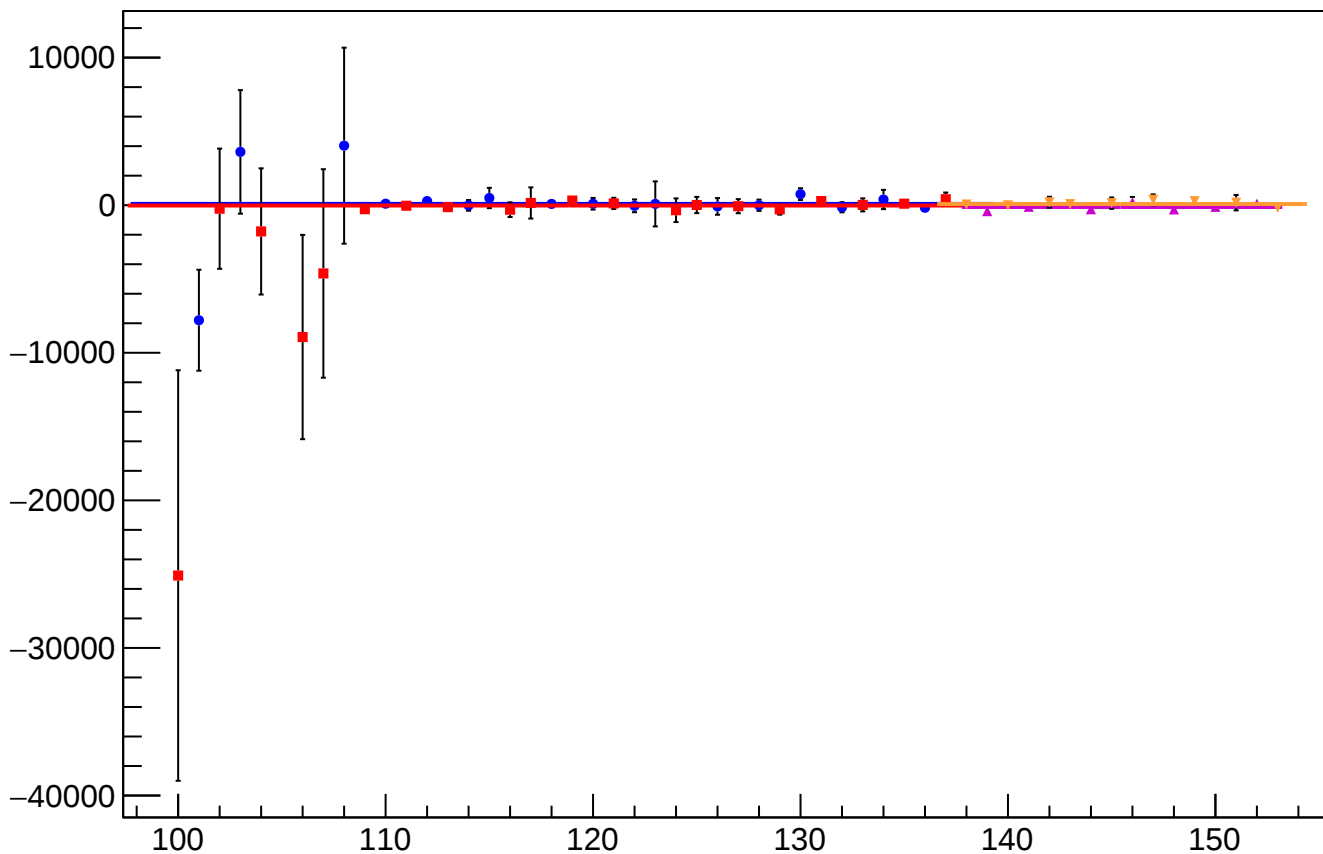
Right Out: 25.372 $\pm$ 0.007 χ^2 /NDF: 13552.0/19

Left In: 25.333 $\pm$ 0.007 χ^2 /NDF:19967.9/6

25.585 $\pm$ 0.005 χ^2 /NDF: 29487.5/25

25.354 $\pm$ 0.005 χ^2 /NDF: 33534.7/26

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: 77.211+/-101.198 χ^2/NDF : 2.6/8

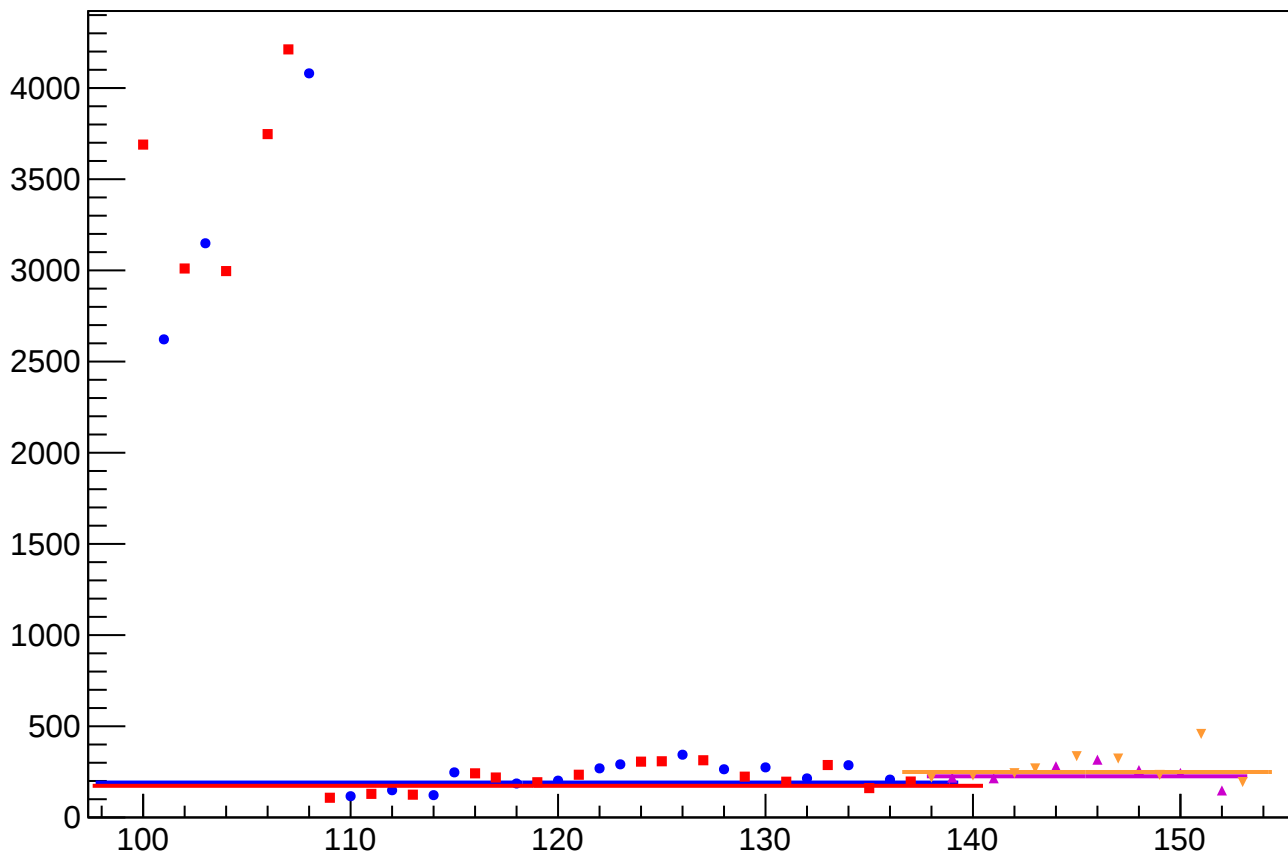
Right Out: -22.332+/-80.711 χ^2/NDF : 11.9/19

Left In: -119.584+/-100.466 χ^2/NDF : 3.7/6

82.511+/-66.586 χ^2/NDF : 15.1/25

-60.479+/-62.921 χ^2/NDF : 16.2/26

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: 249.281+/-0.072 χ^2/NDF : 672709.2/8

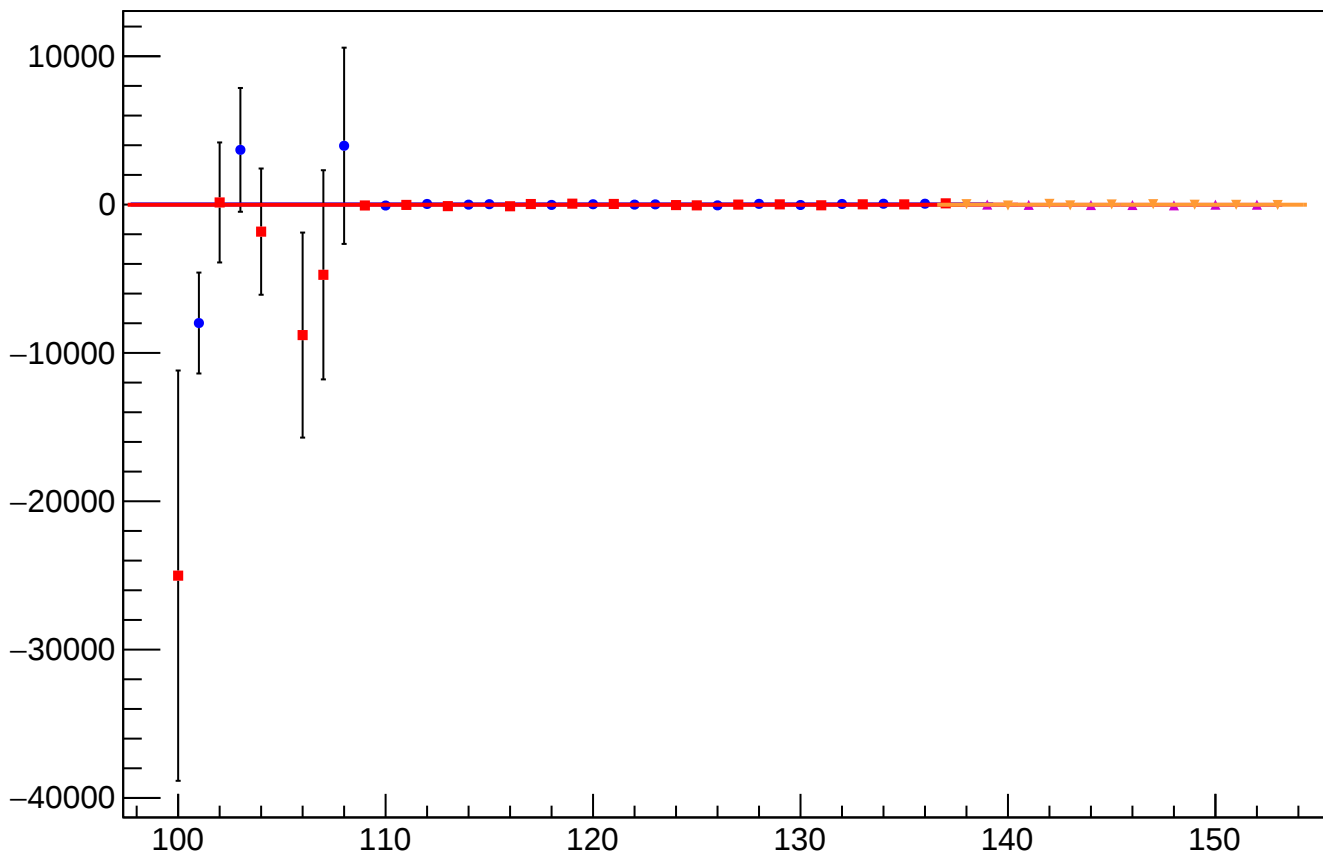
Right Out: 173.565+/-0.057 χ^2/NDF : 4211161.0/19

Left In: 225.658+/-0.071 χ^2/NDF : 501238.1/6

216.503+/-0.047 χ^2/NDF : 4615881.1/25

193.998+/-0.044 χ^2/NDF : 5039192.3/26

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug



Right In: 10.286+/-12.282 χ^2/NDF : 18.4/16

Left Out: -9.248+/-11.696 χ^2/NDF : 8.4/8

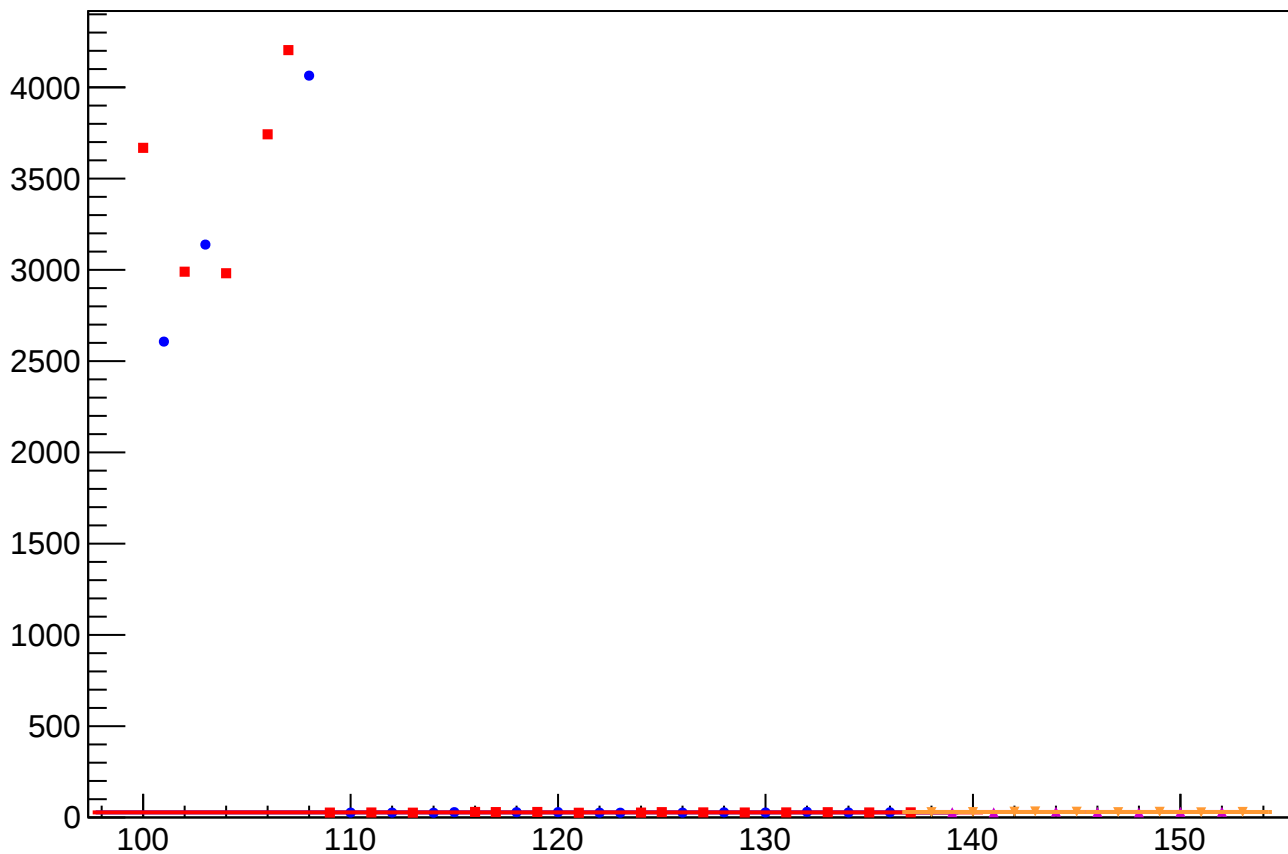
Right Out: -12.296+/-12.186 χ^2/NDF : 24.9/19

Left In: -21.070+/-12.567 χ^2/NDF : 1.8/6

0.041+/-8.470 χ^2/NDF : 28.1/25

-16.548+/-8.749 χ^2/NDF : 27.0/26

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: 29.911+/-0.008 χ^2/NDF : 29430.9/8

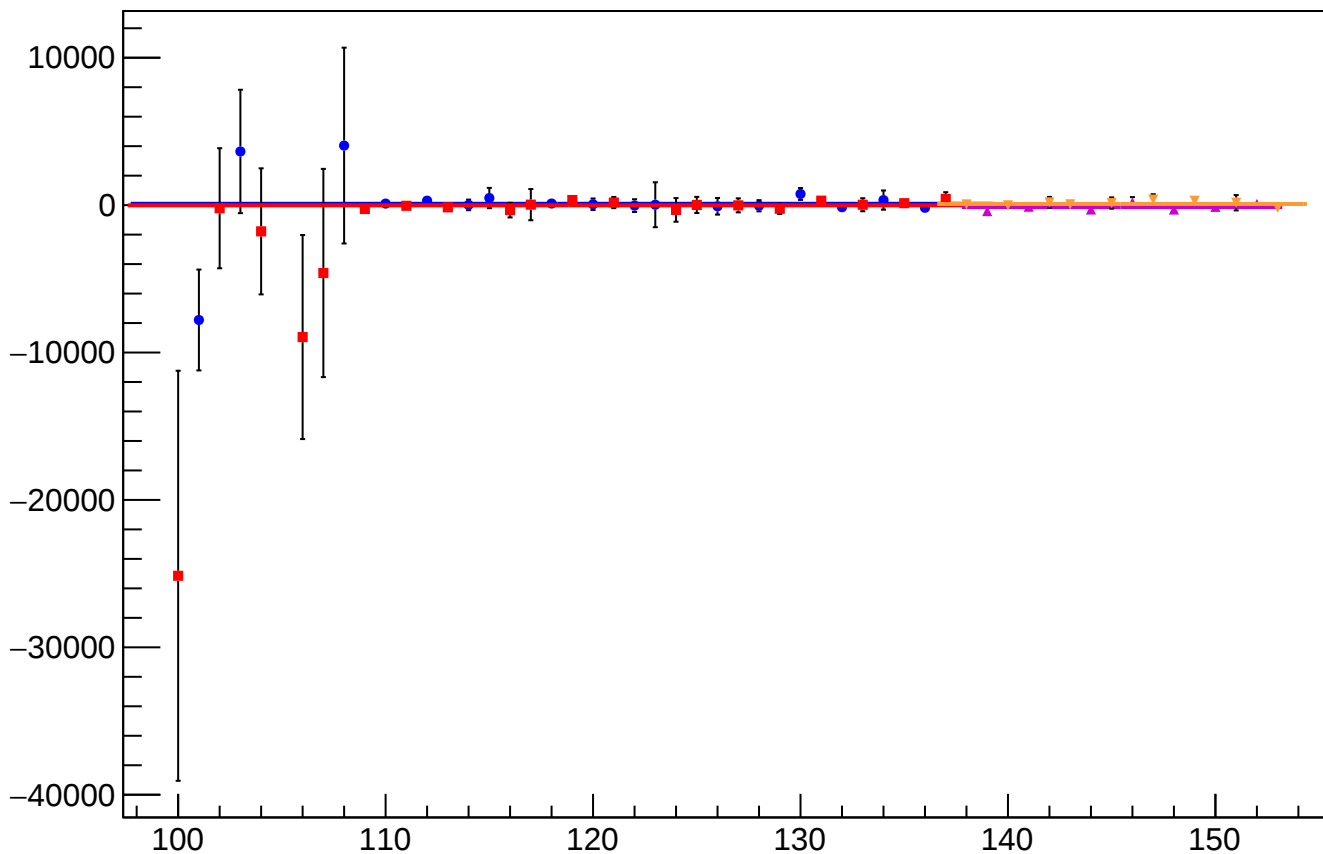
Right Out: 27.707+/-0.009 χ^2/NDF : 3477132.0/19

Left In: 30.002+/-0.009 χ^2/NDF : 29598.6/6

28.933+/-0.006 χ^2/NDF : 3086494.1/25

28.819+/-0.006 χ^2/NDF : 3541088.3/26

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: 78.078+/-100.974 χ^2/NDF : 2.9/8

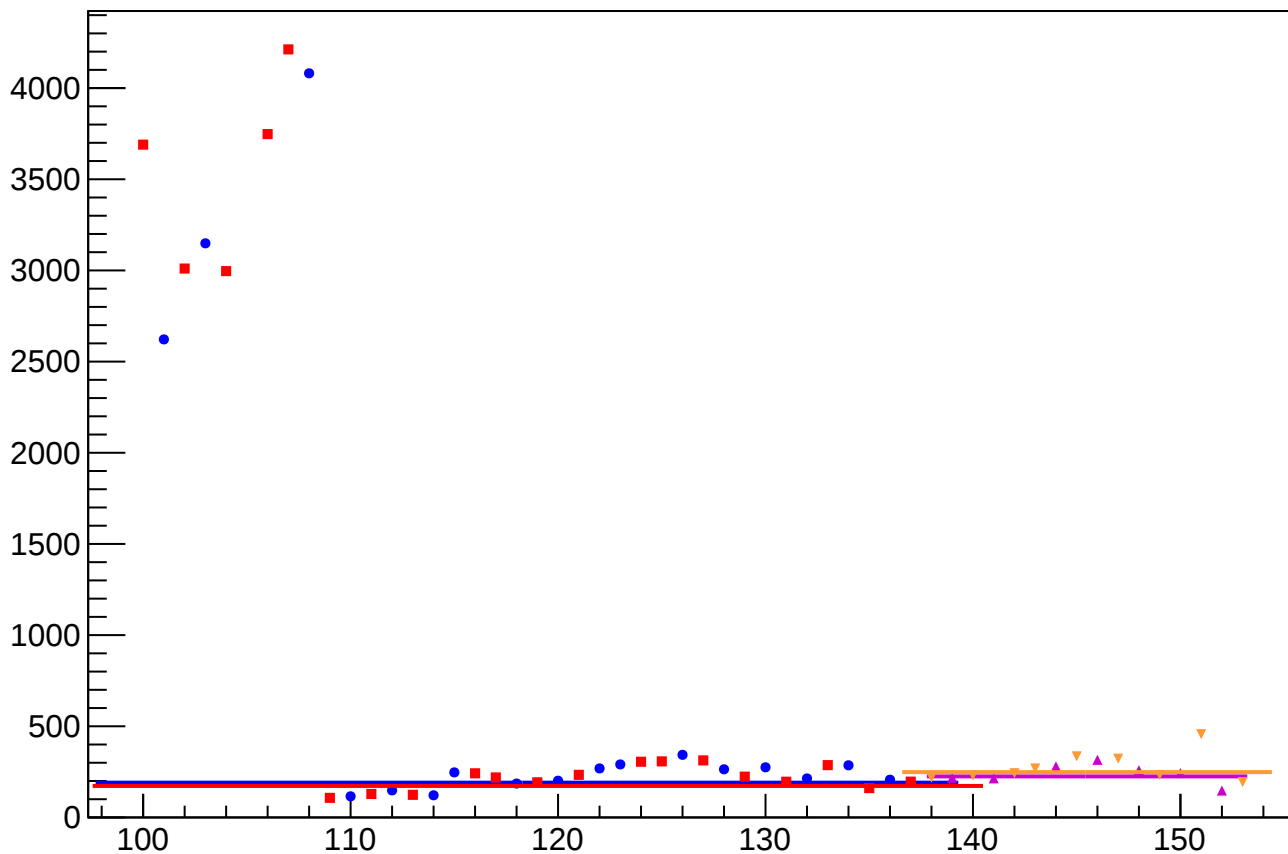
Right Out: -13.075+/-80.452 χ^2/NDF : 12.7/19

Left In: -130.073+/-100.227 χ^2/NDF : 3.6/6

85.282+/-66.405 χ^2/NDF : 15.7/25

-58.921+/-62.740 χ^2/NDF : 17.1/26

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 190.770+/-0.062 χ^2/NDF : 3585034.0/16

Left Out: 248.726+/-0.071 χ^2/NDF : 672782.5/8

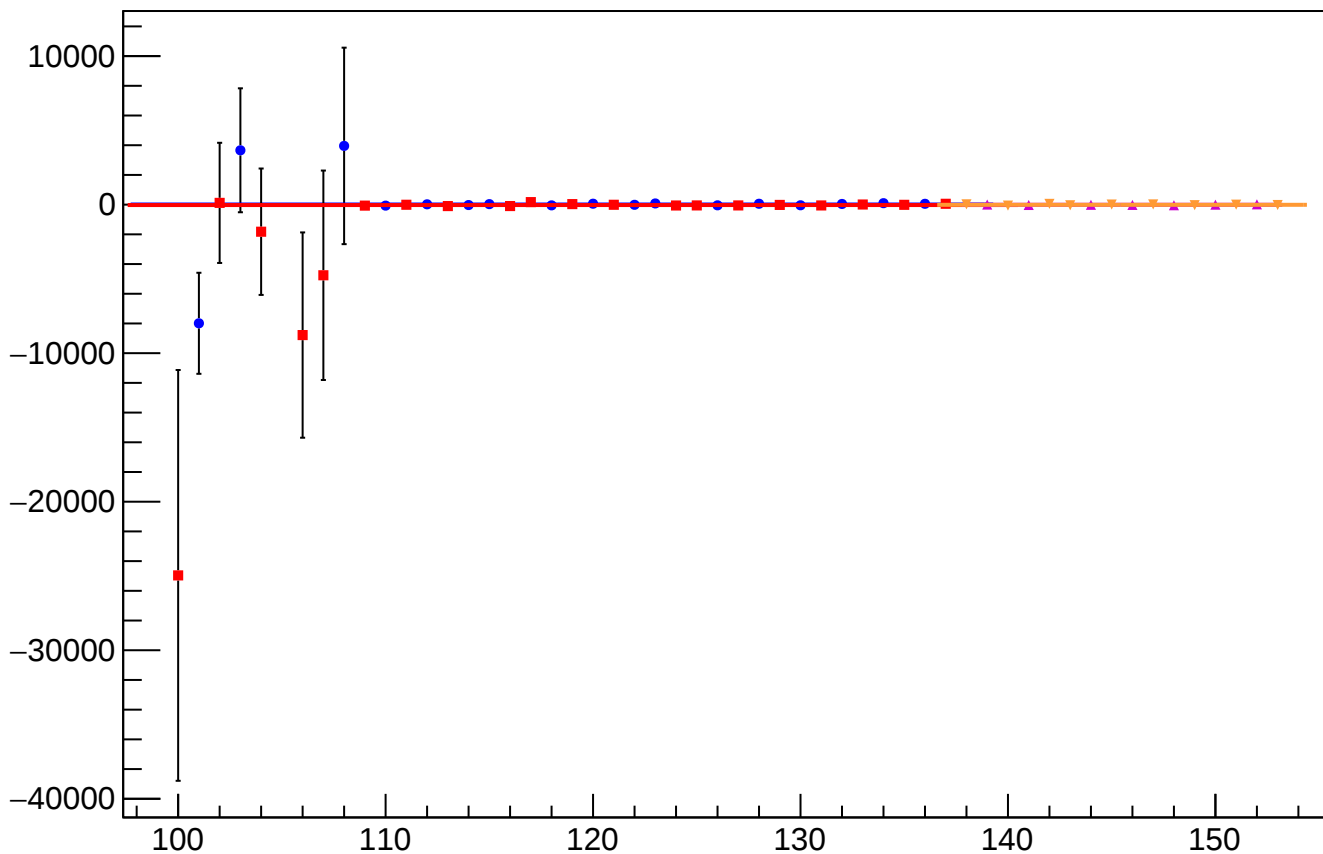
Right Out: 172.900+/-0.057 χ^2/NDF : 4222511.2/19

Left In: 225.098+/-0.071 χ^2/NDF : 503040.2/6

215.835+/-0.047 χ^2/NDF : 4631737.7/25

193.354+/-0.044 χ^2/NDF : 5055452.1/26

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 8.600 ± 12.368 χ^2/NDF : 23.2/16

Left Out: -11.422 ± 11.777 χ^2/NDF : 7.4/8

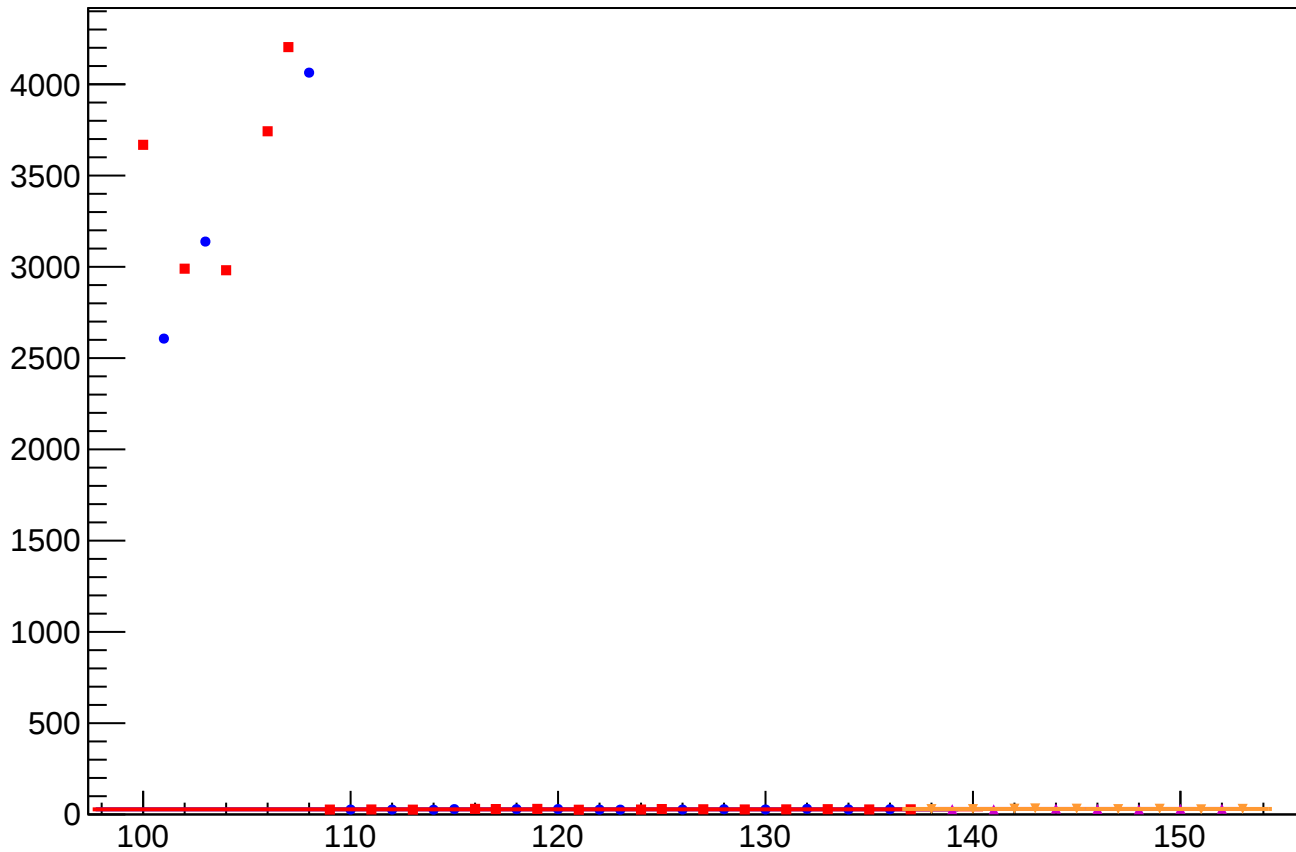
Right Out: -27.898 ± 12.287 χ^2/NDF : 18.8/19

Left In: -10.572 ± 12.630 χ^2/NDF : 2.3/6

-1.900 ± 8.529 χ^2/NDF : 31.9/25

-19.474 ± 8.807 χ^2/NDF : 22.0/26

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: 30.117+/-0.008 χ^2/NDF : 30753.7/8

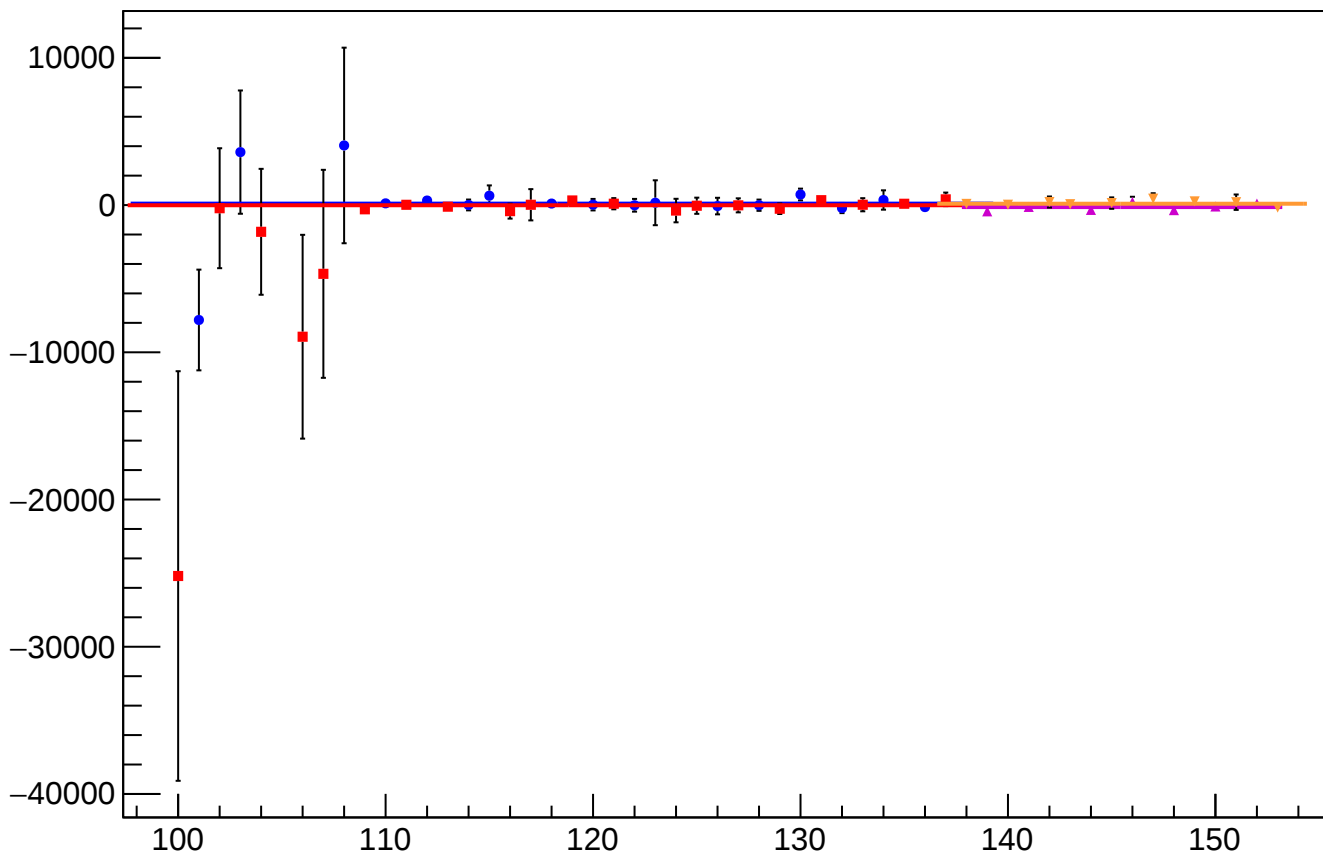
29.131+/-0.006 χ^2/NDF : 3088129.3/25

Right Out: 27.930+/-0.009 χ^2/NDF : 3479947.6/19

29.015+/-0.006 χ^2/NDF : 3541792.5/26

Left In: 30.161+/-0.009 χ^2/NDF : 29792.3/6

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: 91.657+/-102.224 χ^2/NDF : 2.7/8

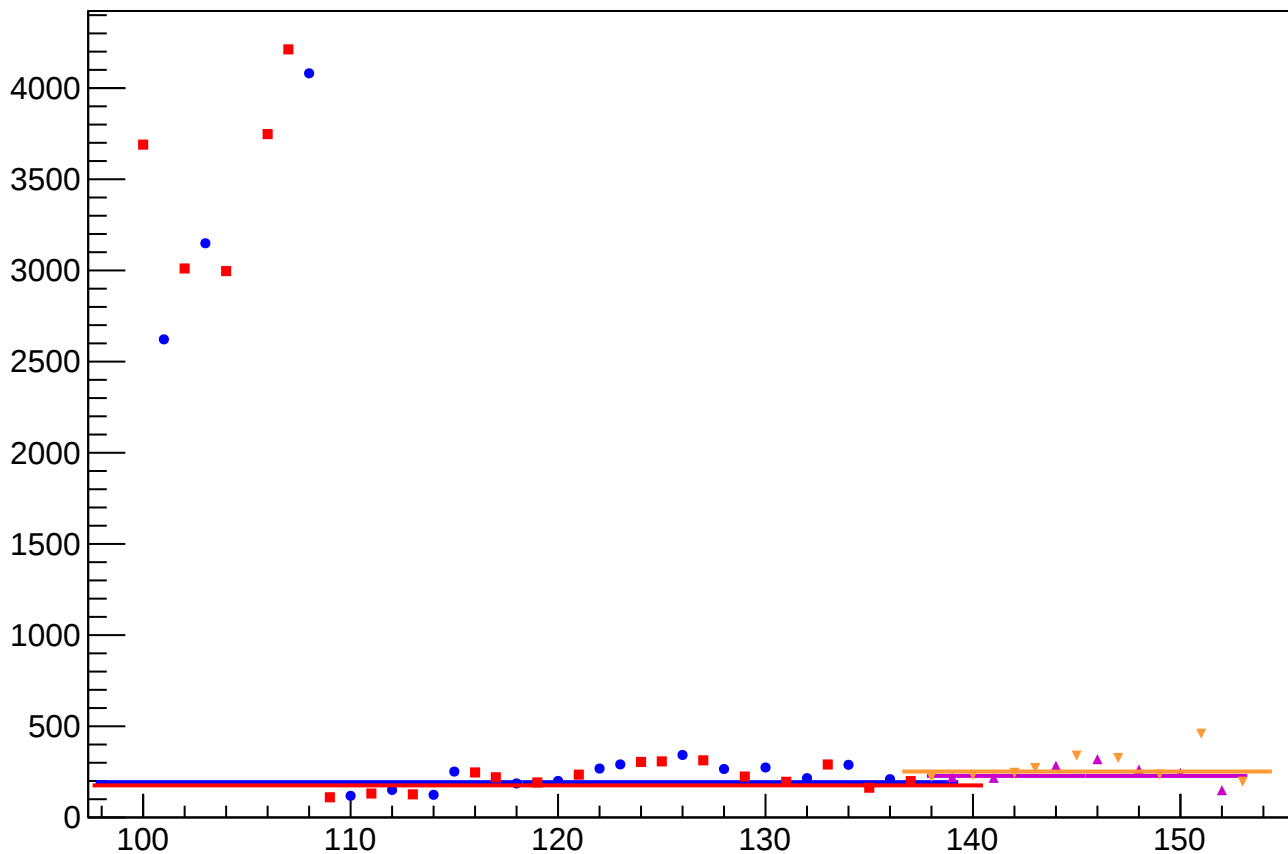
Right Out: -11.533+/-81.530 χ^2/NDF : 12.3/19

Left In: -135.433+/-101.393 χ^2/NDF : 4.2/6

95.339+/-67.211 χ^2/NDF : 15.2/25

-60.186+/-63.537 χ^2/NDF : 17.4/26

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.516+/-0.063 χ^2/NDF : 3536947.8/16

218.775+/-0.048 χ^2/NDF : 4571941.1/25

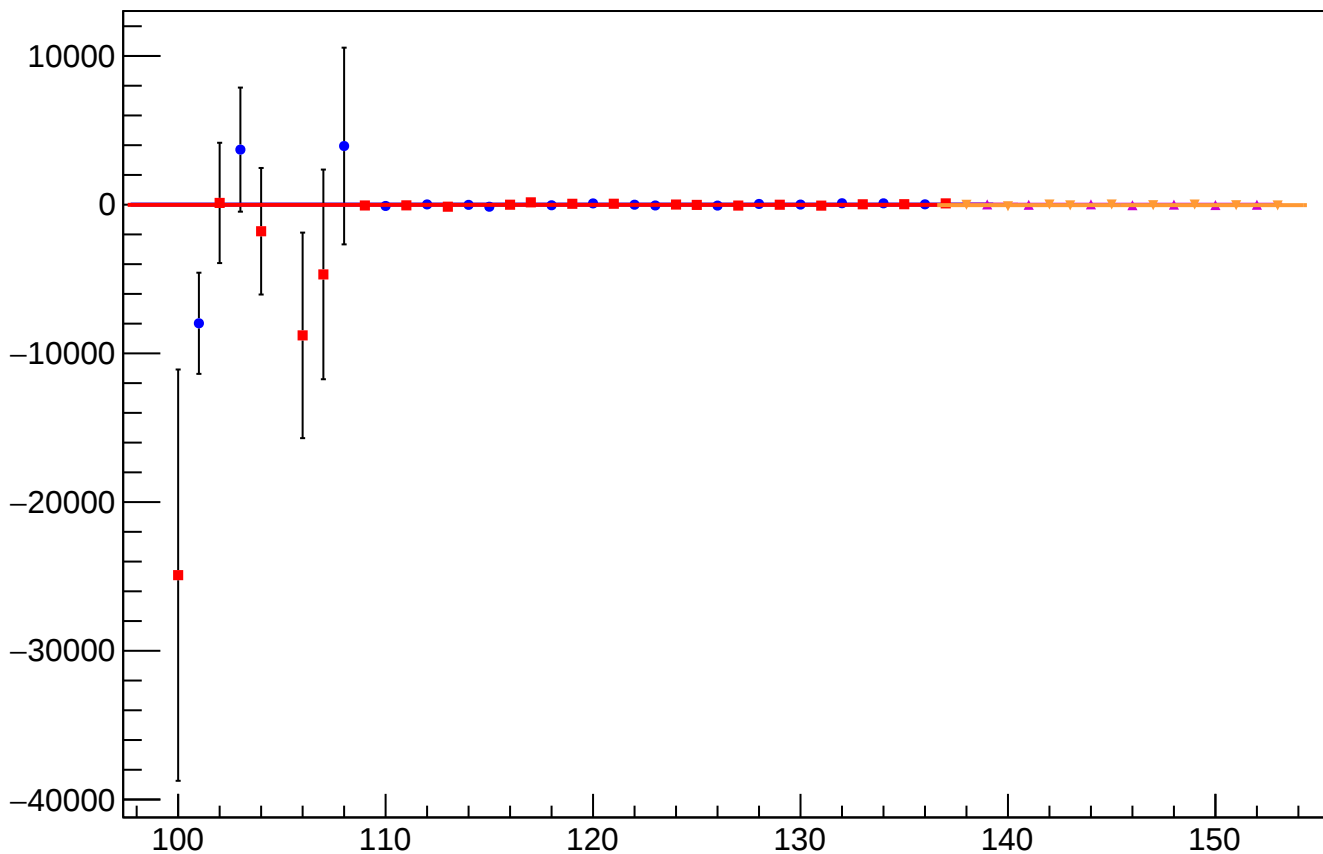
Left Out: 251.946+/-0.072 χ^2/NDF : 664043.4/8

Right Out: 175.774+/-0.058 χ^2/NDF : 4169115.6/19

196.220+/-0.045 χ^2/NDF : 4988762.5/26

Left In: 227.842+/-0.072 χ^2/NDF : 499331.9/6

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



Right In: 5.565 $\pm$ 15.052 χ^2 /NDF: 20.4/16

Left Out: -31.137 $\pm$ 13.851 χ^2 /NDF: 6.9/8

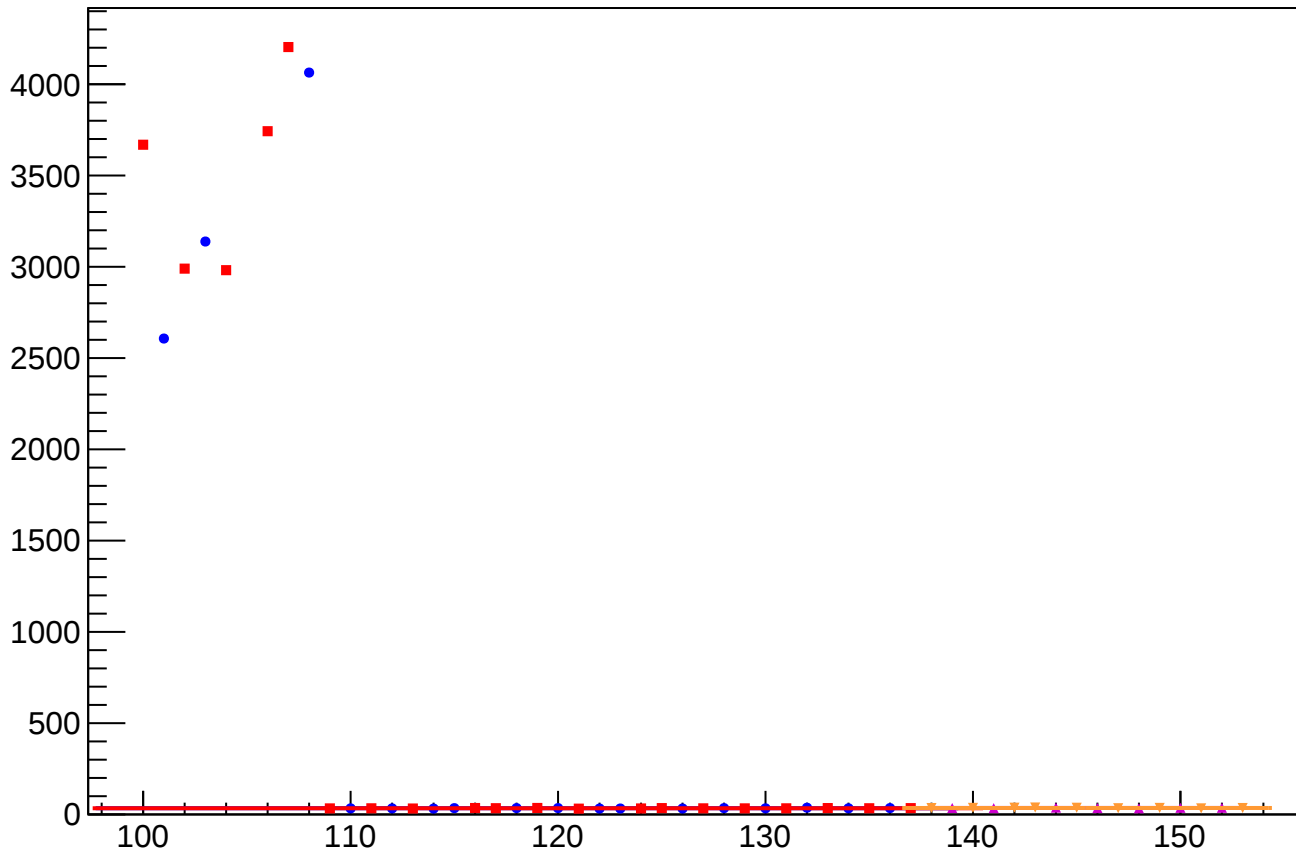
Right Out: -10.775 $\pm$ 14.891 χ^2 /NDF: 23.0/19

Left In: -3.237 $\pm$ 14.894 χ^2 /NDF: 1.6/6

-14.309 $\pm$ 10.192 χ^2 /NDF: 30.6/25

-7.007 $\pm$ 10.531 χ^2 /NDF: 24.7/26

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: 35.471+/-0.010 χ^2/NDF : 19067.4/8

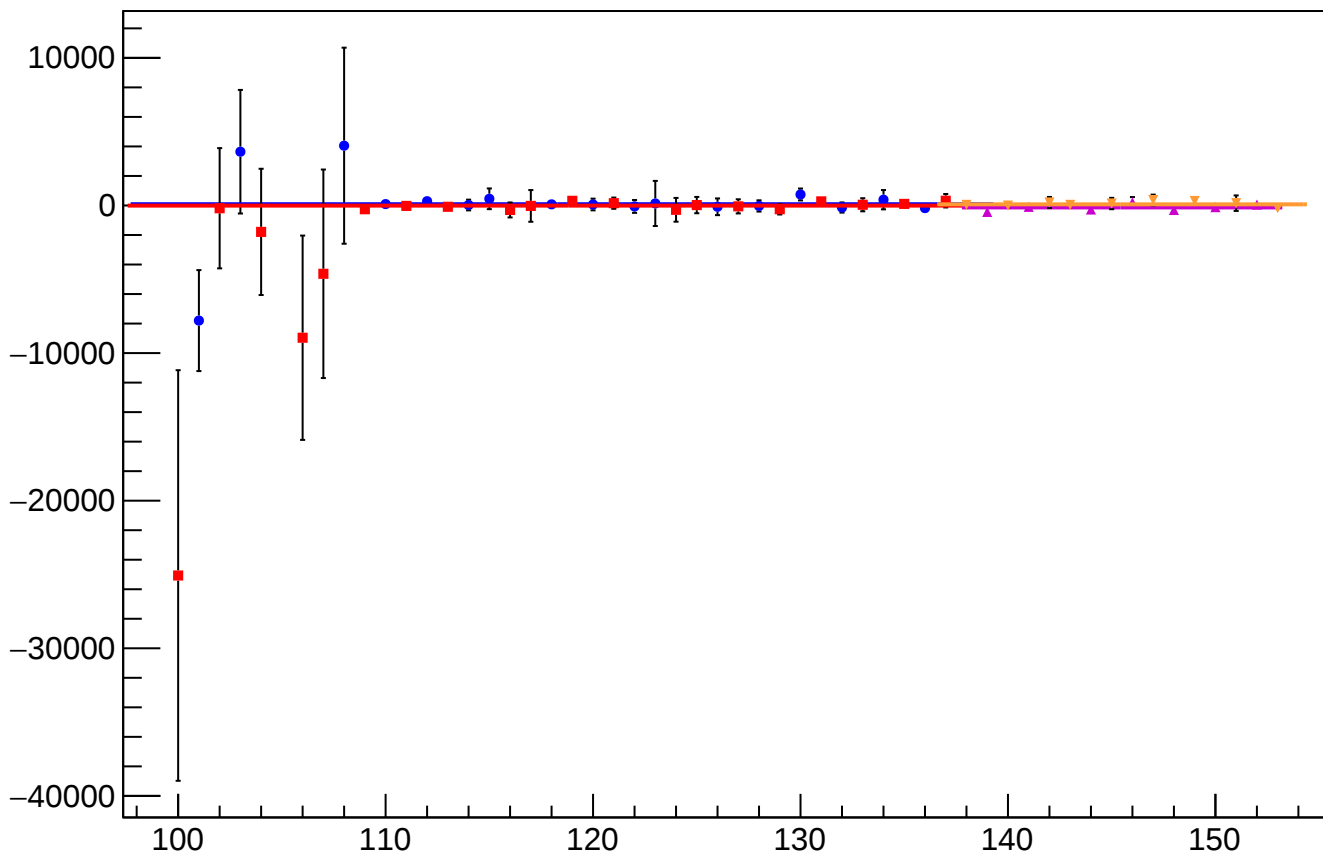
Right Out: 33.916+/-0.011 χ^2/NDF : 3451921.6/19

Left In: 35.636+/-0.011 χ^2/NDF : 12438.5/6

34.873+/-0.007 χ^2/NDF : 3033702.8/25

34.776+/-0.007 χ^2/NDF : 3477707.1/26

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: 77.754 ± 101.625 χ^2/NDF : 3.0/8

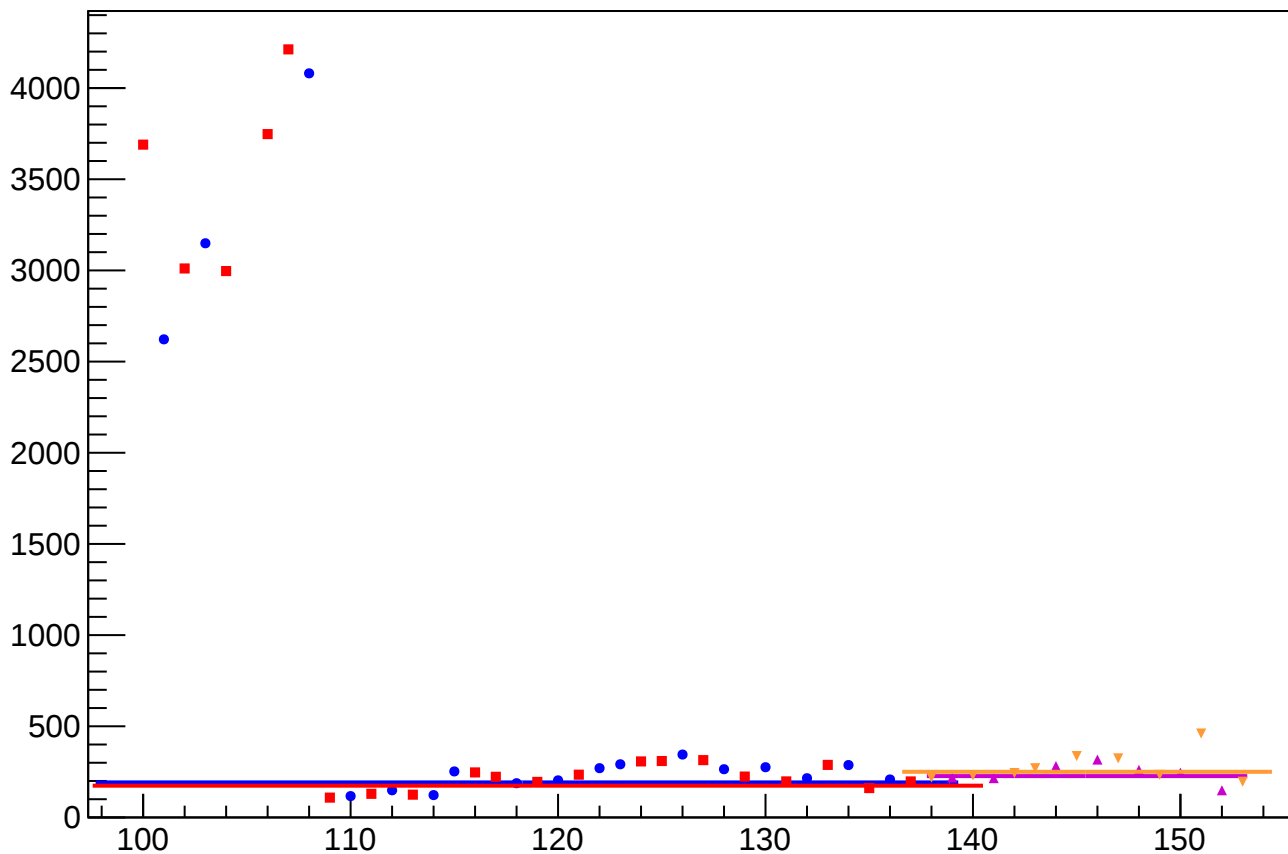
Right Out: -8.682 ± 81.026 χ^2/NDF : 11.1/19

Left In: -132.402 ± 100.919 χ^2/NDF : 3.7/6

81.584 ± 66.845 χ^2/NDF : 15.5/25

-57.174 ± 63.182 χ^2/NDF : 15.7/26

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: 250.400+/-0.072 χ^2/NDF : 667694.0/8

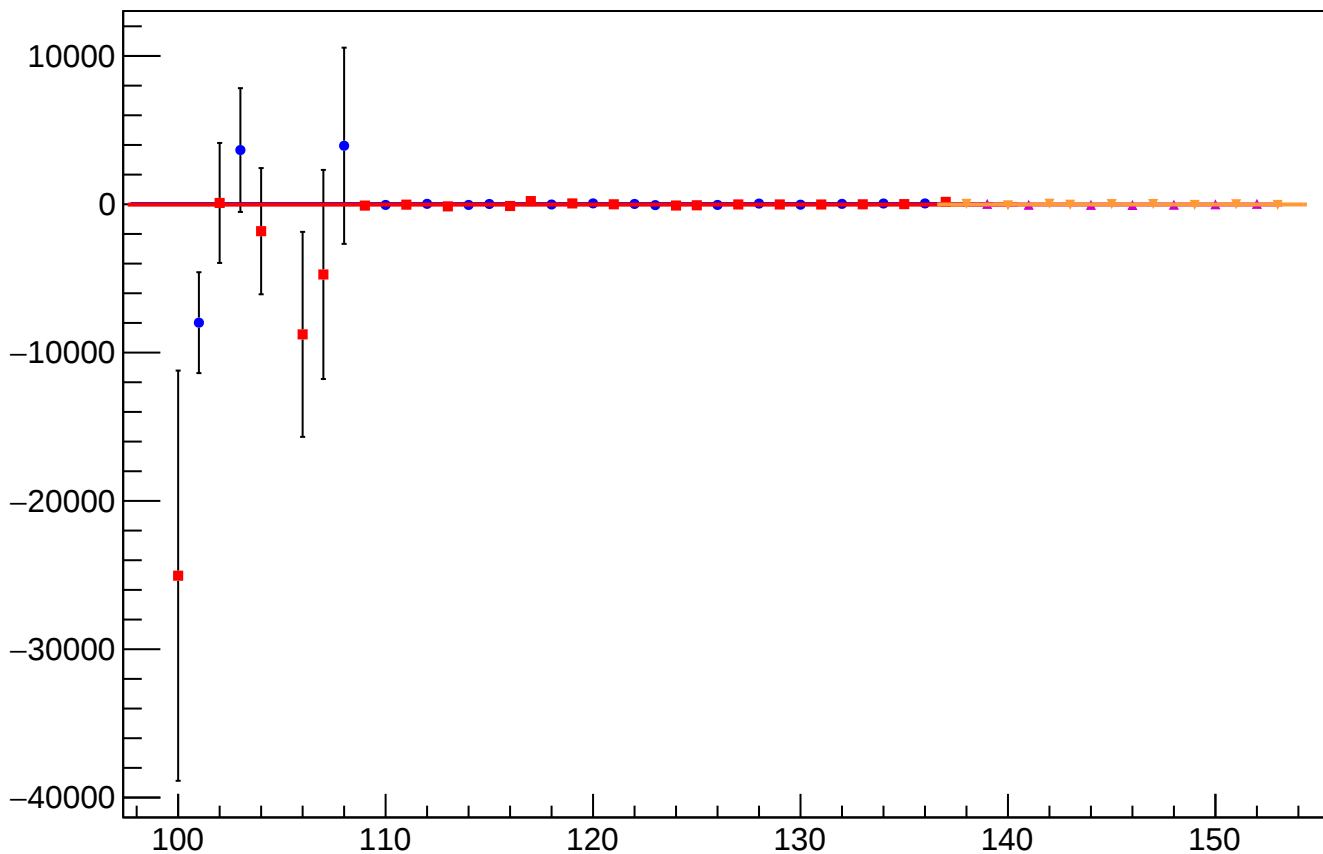
Right Out: 174.240+/-0.057 χ^2/NDF : 4215763.8/19

Left In: 226.749+/-0.071 χ^2/NDF : 495801.9/6

217.368+/-0.047 χ^2/NDF : 4614764.7/25

194.821+/-0.045 χ^2/NDF : 5040796.9/26

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: -14.012+/-12.721 χ^2/NDF : 7.4/8

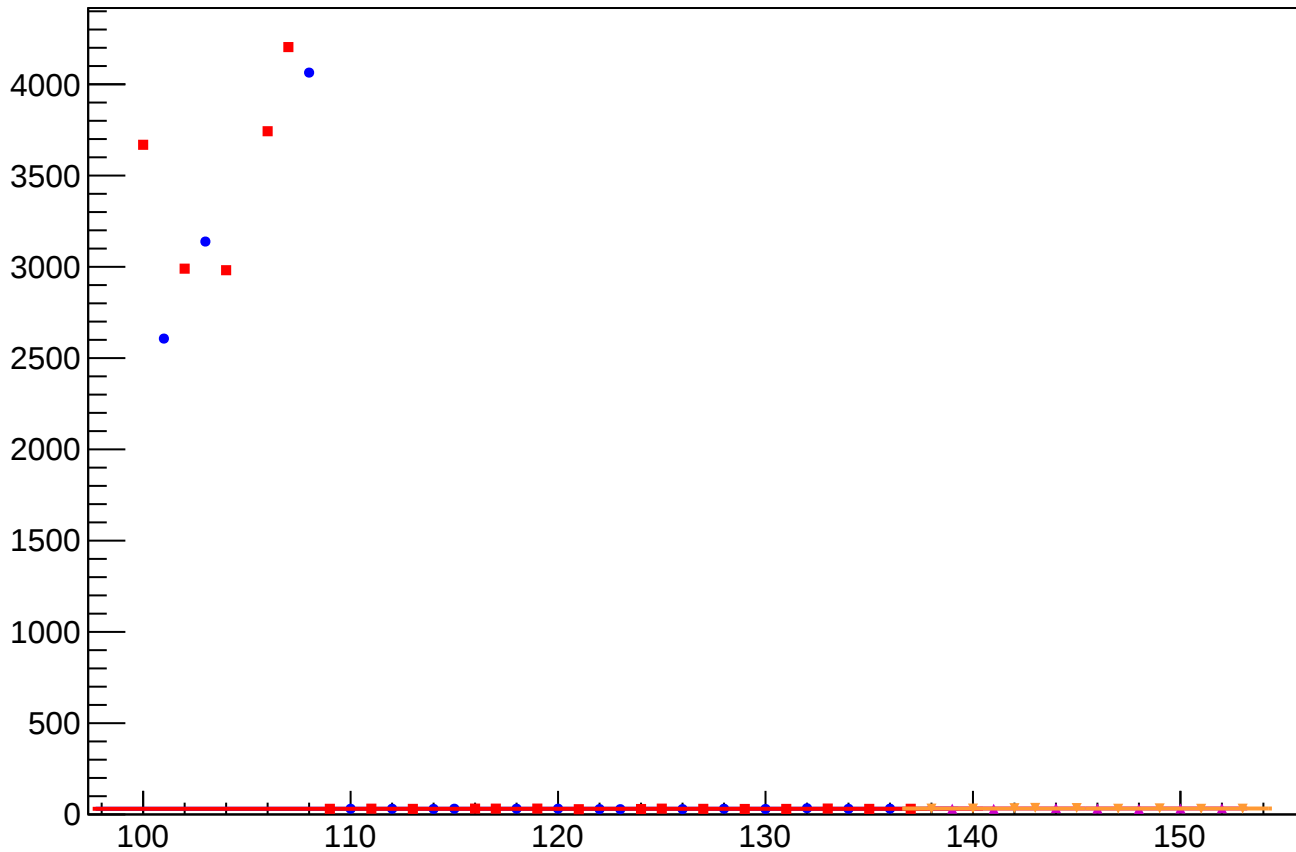
Right Out: -20.740+/-13.606 χ^2/NDF : 30.4/19

Left In: -13.951+/-13.668 χ^2/NDF : 4.4/6

-1.644+/-9.329 χ^2/NDF : 24.1/25

-17.361+/-9.643 χ^2/NDF : 34.9/26

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: 32.537+/-0.009 χ^2/NDF :31830.6/8

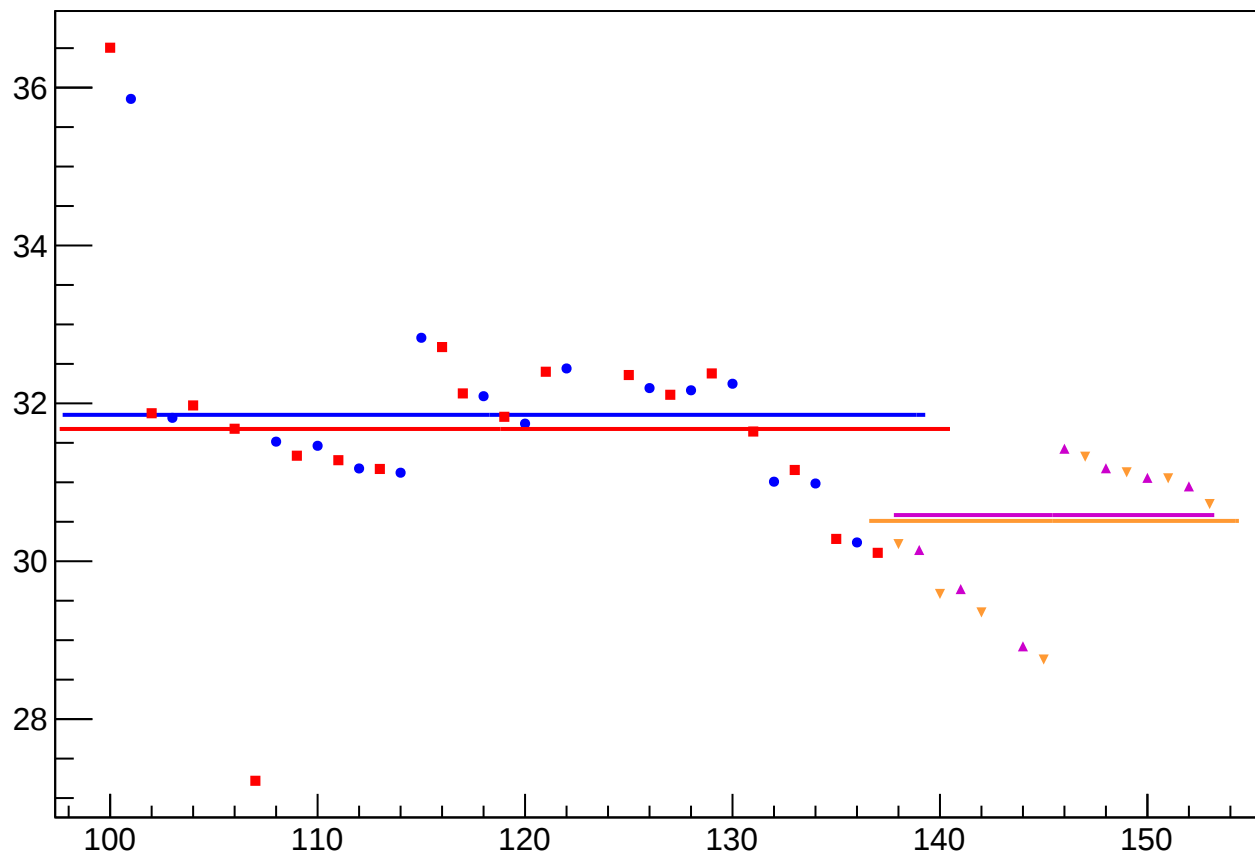
Right Out: 30.970+/-0.010 χ^2/NDF : 3458998.2/19

Left In: 32.635+/-0.010 χ^2/NDF :24065.7/6

31.897+/-0.007 χ^2/NDF : 3057288.5/25

31.798+/-0.007 χ^2/NDF : 3497963.8/26

yield_usl_mean vs Slug



Right In: 31.855+/-0.000 χ^2/NDF : 1570522165.5/15

Left Out: 30.511+/-0.000 χ^2/NDF : 585772720.4/7

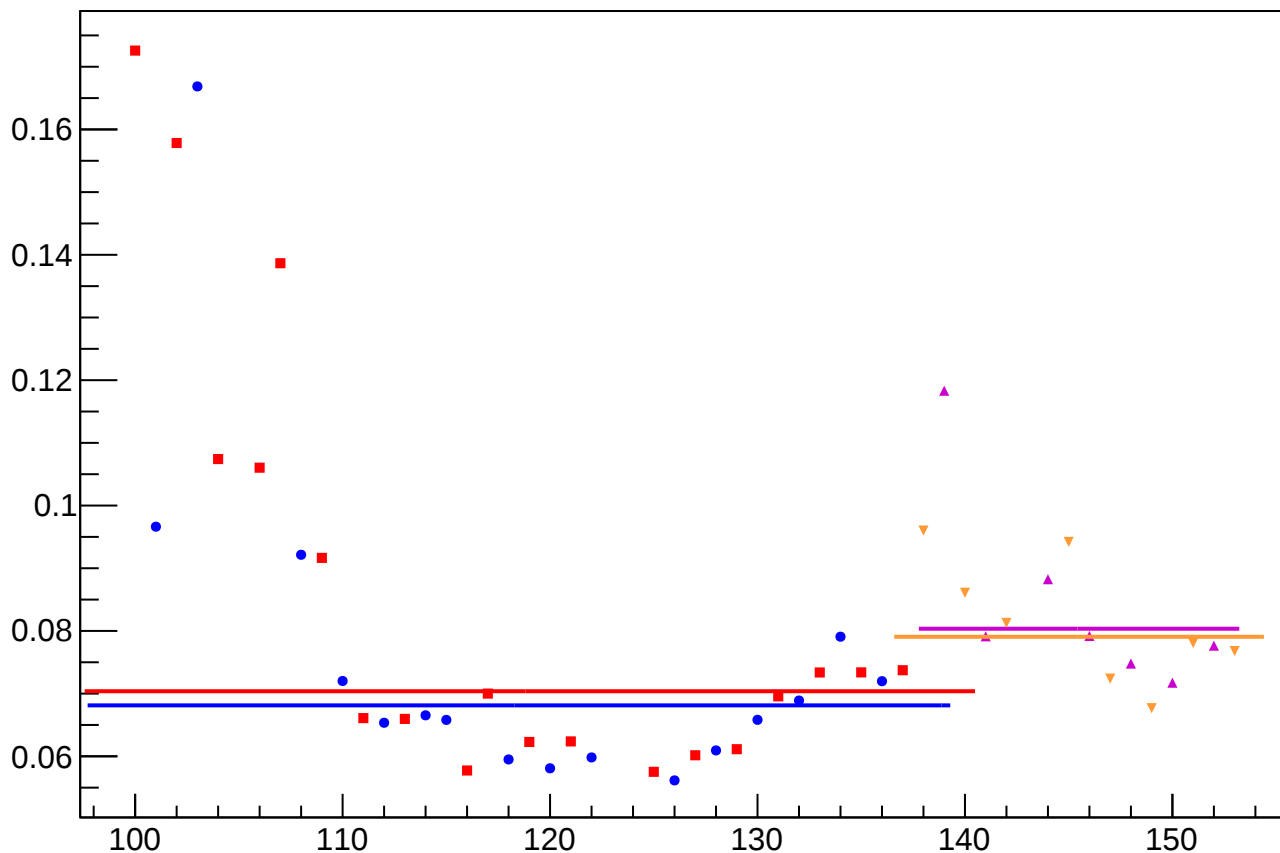
Right Out: 31.676+/-0.000 χ^2/NDF : 919678295.7/18

Left In: 30.585+/-0.000 χ^2/NDF : 560688993.7/6

31.314+/-0.000 χ^2/NDF : 3059853427.1/23

31.244+/-0.000 χ^2/NDF : 2046591391.1/25

yield_usl_rms vs Slug



Right In: 0.068 $\pm$ 0.000 χ^2 /NDF: 629767.4/15

Left Out: 0.079 $\pm$ 0.000 χ^2 /NDF:142302.4/7

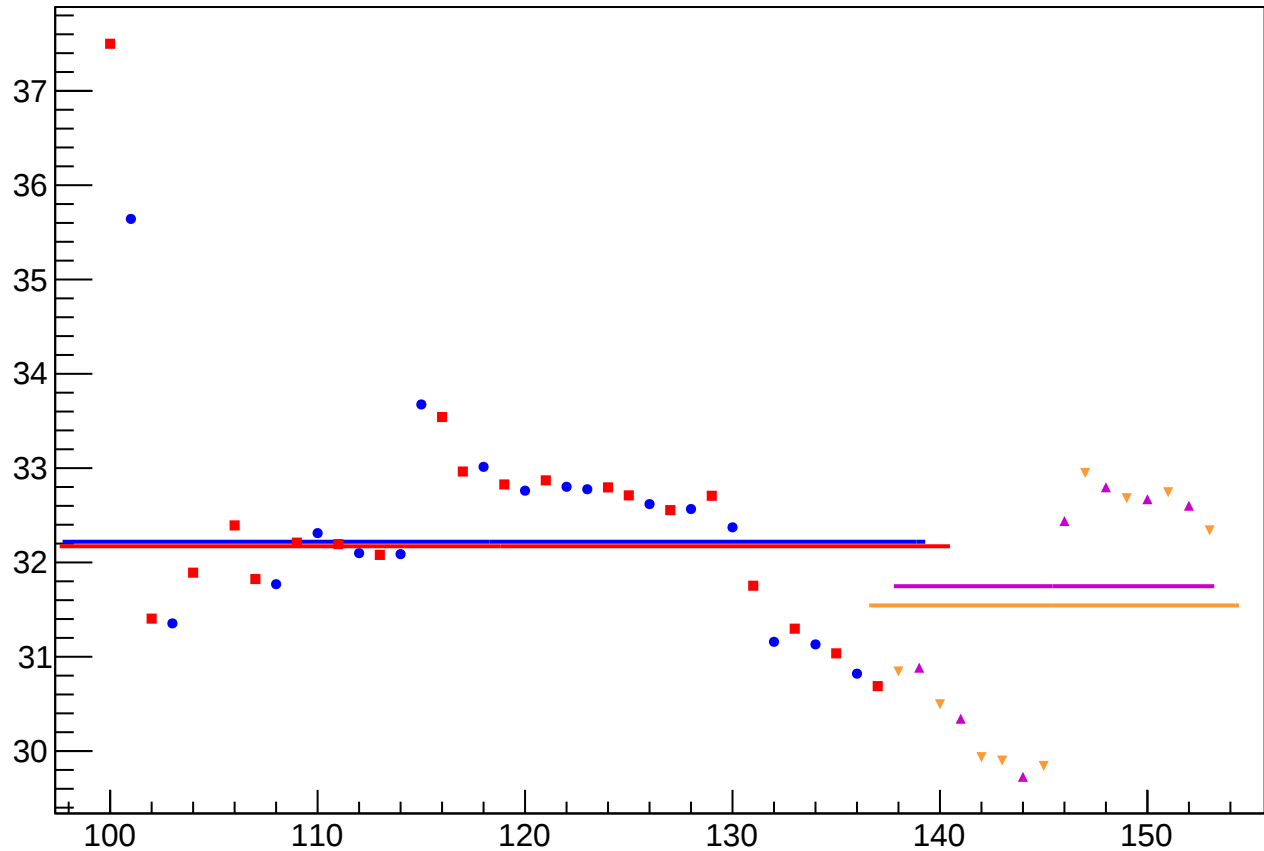
Right Out: 0.070 $\pm$ 0.000 χ^2 /NDF: 841322.7/18

Left In: 0.080 $\pm$ 0.000 χ^2 /NDF:189128.5/6

0.073 $\pm$ 0.000 χ^2 /NDF: 891942.4/23

0.074 $\pm$ 0.000 χ^2 /NDF: 1125041.2/25

yield_usr_mean vs Slug



Right In: 32.220 ± 0.000 χ^2/NDF : 1013864543.3/16

Left Out: 31.544 ± 0.000 χ^2/NDF : 1618710733.8/8

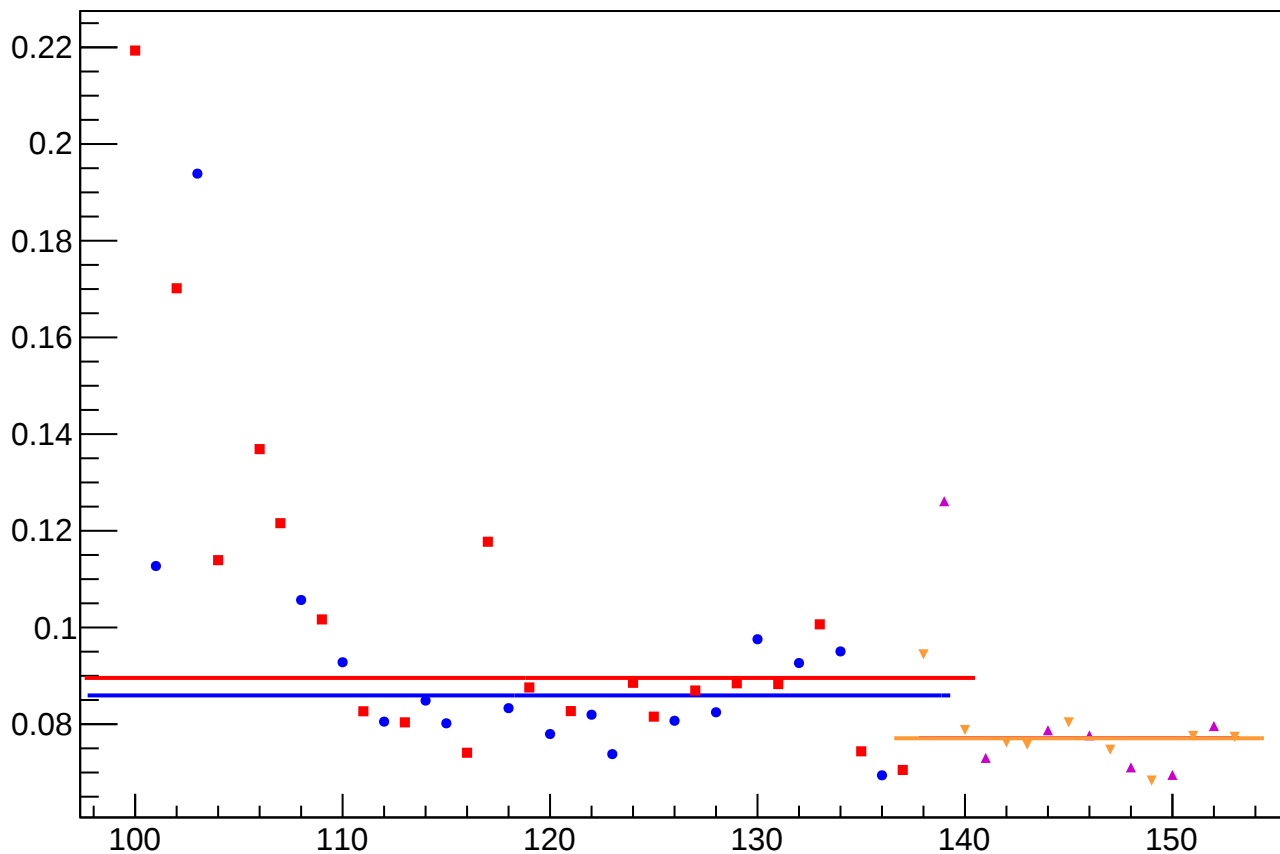
Right Out: 32.171 ± 0.000 χ^2/NDF : 444137990.6/19

Left In: 31.748 ± 0.000 χ^2/NDF : 1284413921.5/6

31.843 ± 0.000 χ^2/NDF : 2832113830.1/25

31.947 ± 0.000 χ^2/NDF : 1801793364.5/26

yield_usr_rms vs Slug



Right In: 0.086+/-0.000 χ^2/NDF : 553280.3/16

Left Out: 0.077+/-0.000 χ^2/NDF : 74419.1/8

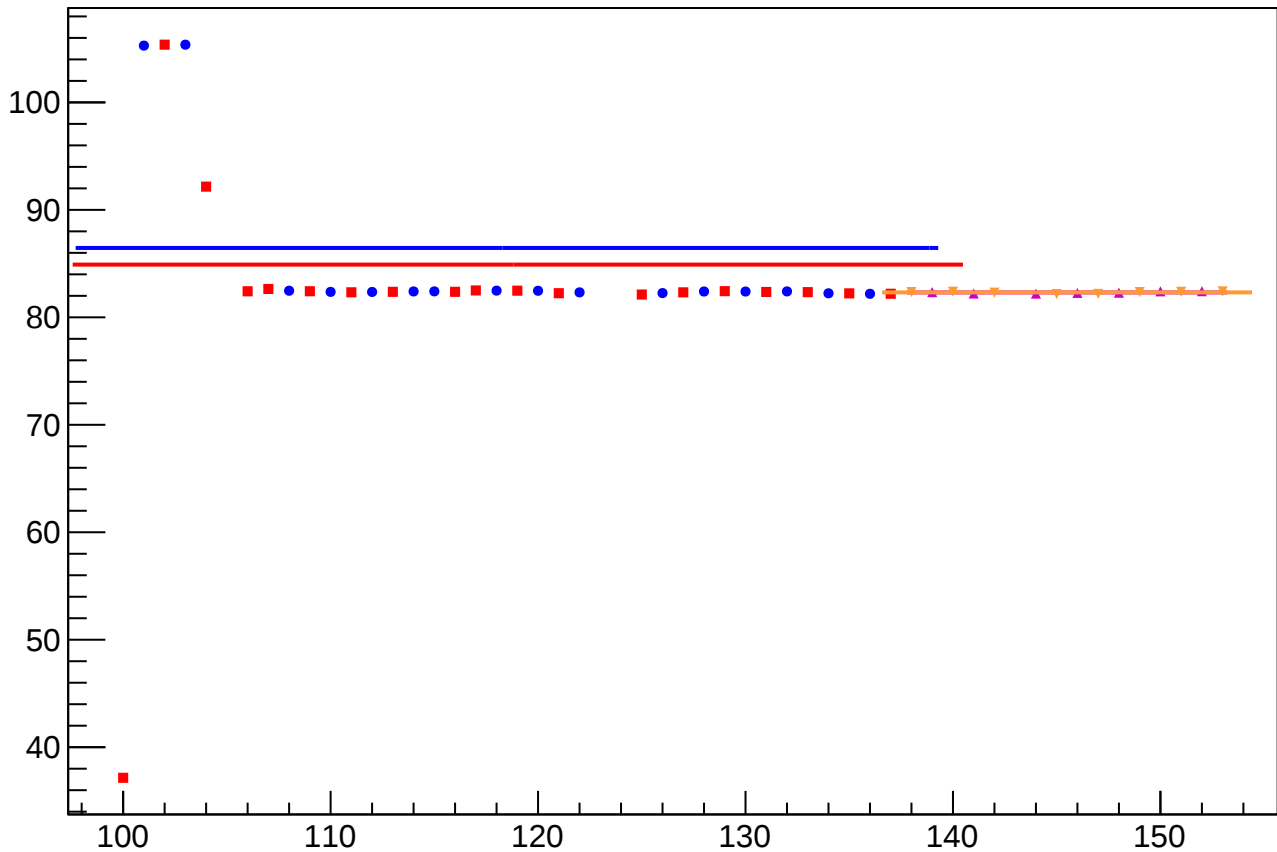
Right Out: 0.090+/-0.000 χ^2/NDF : 544516.7/19

Left In: 0.077+/-0.000 χ^2/NDF : 249922.5/6

0.081+/-0.000 χ^2/NDF : 696433.9/25

0.083+/-0.000 χ^2/NDF : 920650.4/26

yield_dsl_mean vs Slug



Right In: 86.457+/-0.000 χ^2/NDF : 291421048436.2/15

Left Out: 82.321+/-0.000 χ^2/NDF : 24157750.2/7

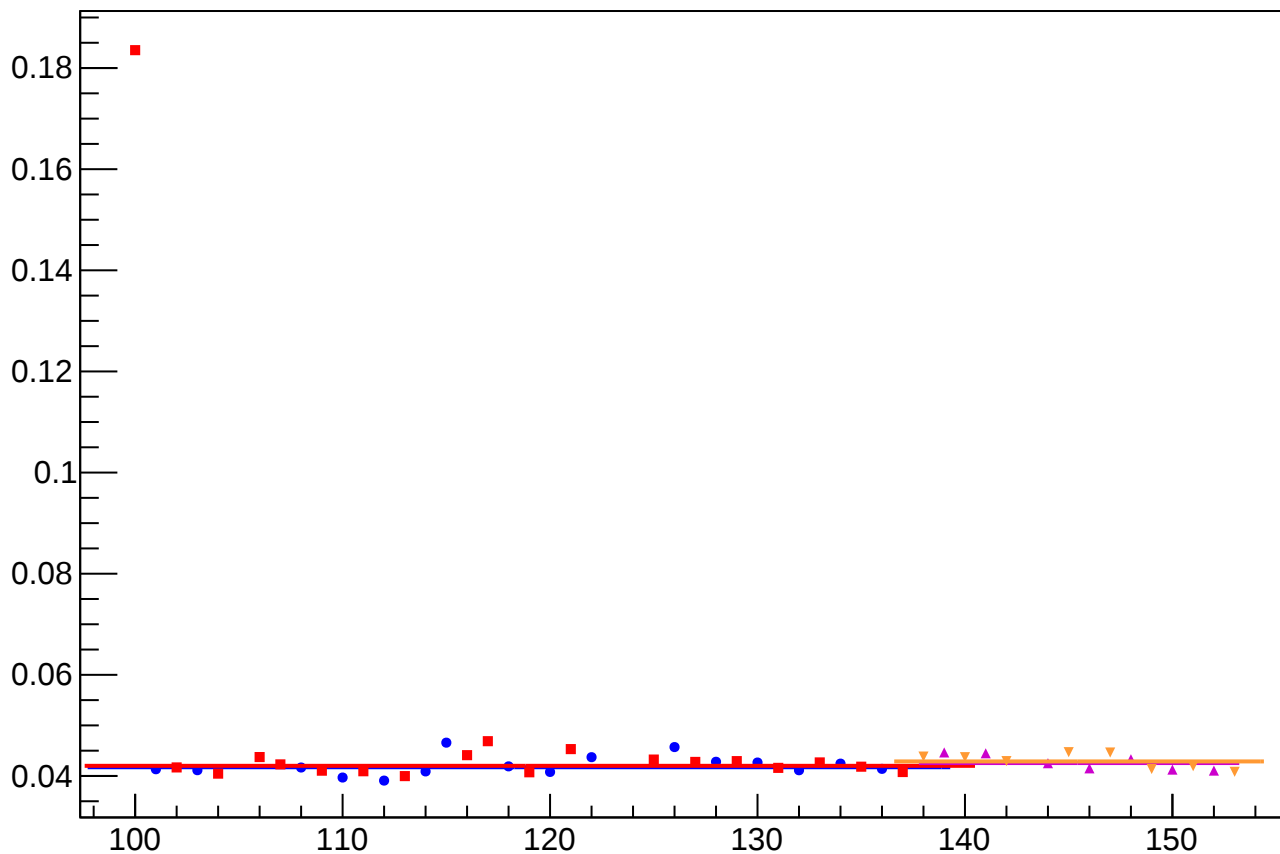
Right Out: 84.908+/-0.000 χ^2/NDF : 172306803858.3/18

Left In: 82.315+/-0.000 χ^2/NDF : 23118269.3/6

84.565+/-0.000 χ^2/NDF : 320932932890.8/23

83.756+/-0.000 χ^2/NDF : 184046239027.9/25

yield_dsl_rms vs Slug



Right In: 0.042 $\pm$ 0.000 χ^2 /NDF: 18887.0/15

Left Out: 0.043 $\pm$ 0.000 χ^2 /NDF:13137.8/7

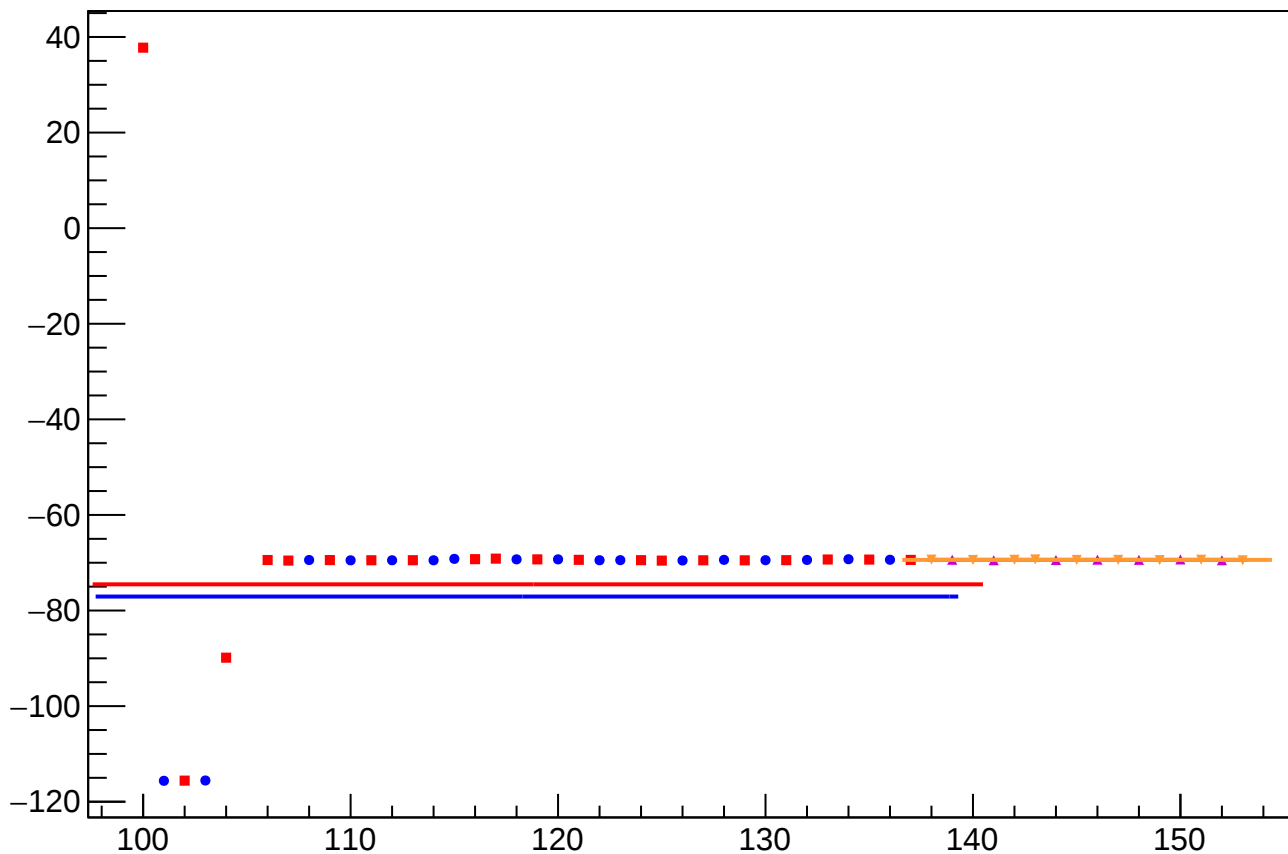
Right Out: 0.042 $\pm$ 0.000 χ^2 /NDF: 97785.5/18

Left In: 0.043 $\pm$ 0.000 χ^2 /NDF:11668.7/6

0.042 $\pm$ 0.000 χ^2 /NDF: 36561.3/23

0.042 $\pm$ 0.000 χ^2 /NDF: 110507.1/25

yield_dsr_mean vs Slug



Right In: -77.074+/-0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.405+/-0.000 χ^2/NDF : 5746173.8/8

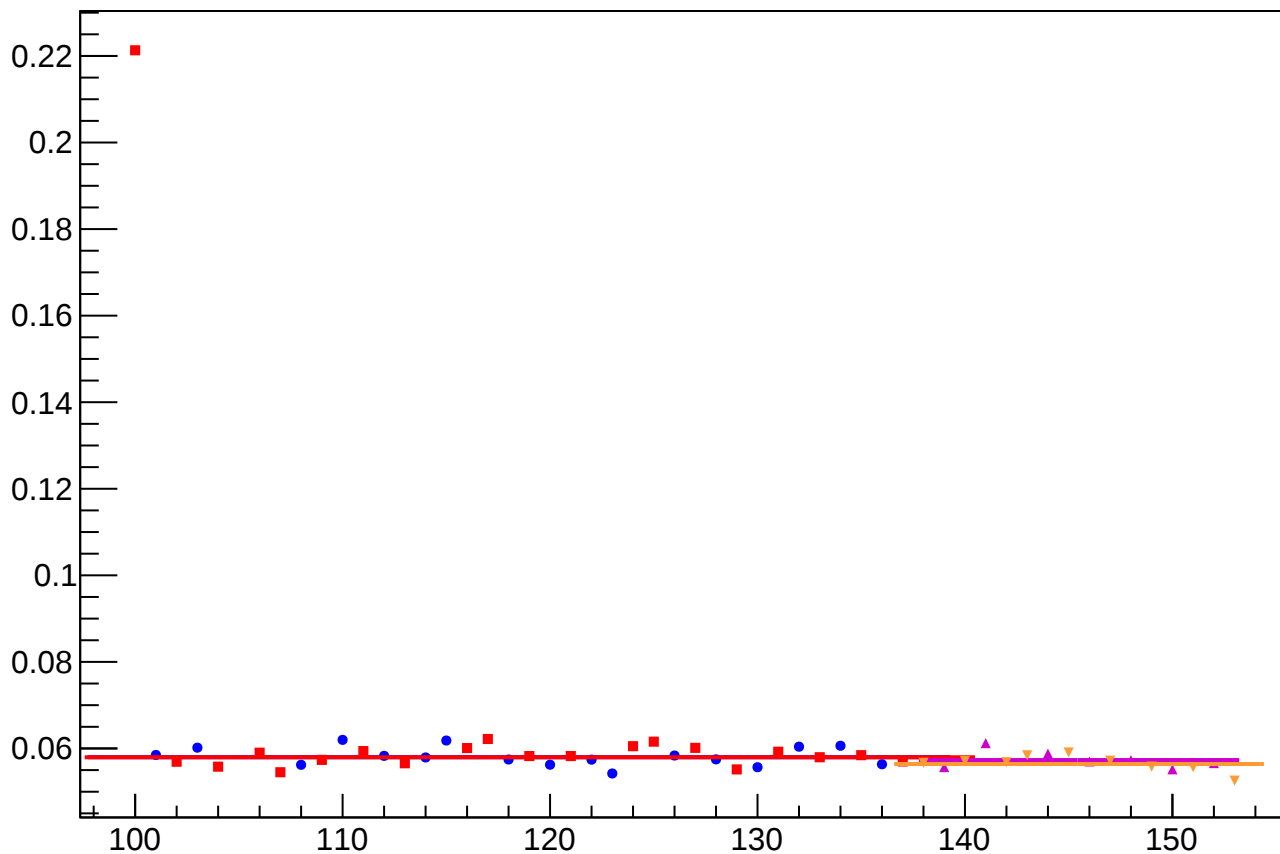
Right Out: -74.518+/-0.000 χ^2/NDF : 372210051226.2/19

Left In: -69.395+/-0.000 χ^2/NDF : 5513388.5/6

-73.161+/-0.000 χ^2/NDF : 622867437788.7/25

-72.208+/-0.000 χ^2/NDF : 396515302067.5/26

yield_dsr_rms vs Slug



Right In: 0.058 $\pm$ 0.000 χ^2 /NDF: 12275.6/16

Left Out: 0.056 $\pm$ 0.000 χ^2 /NDF:13771.4/8

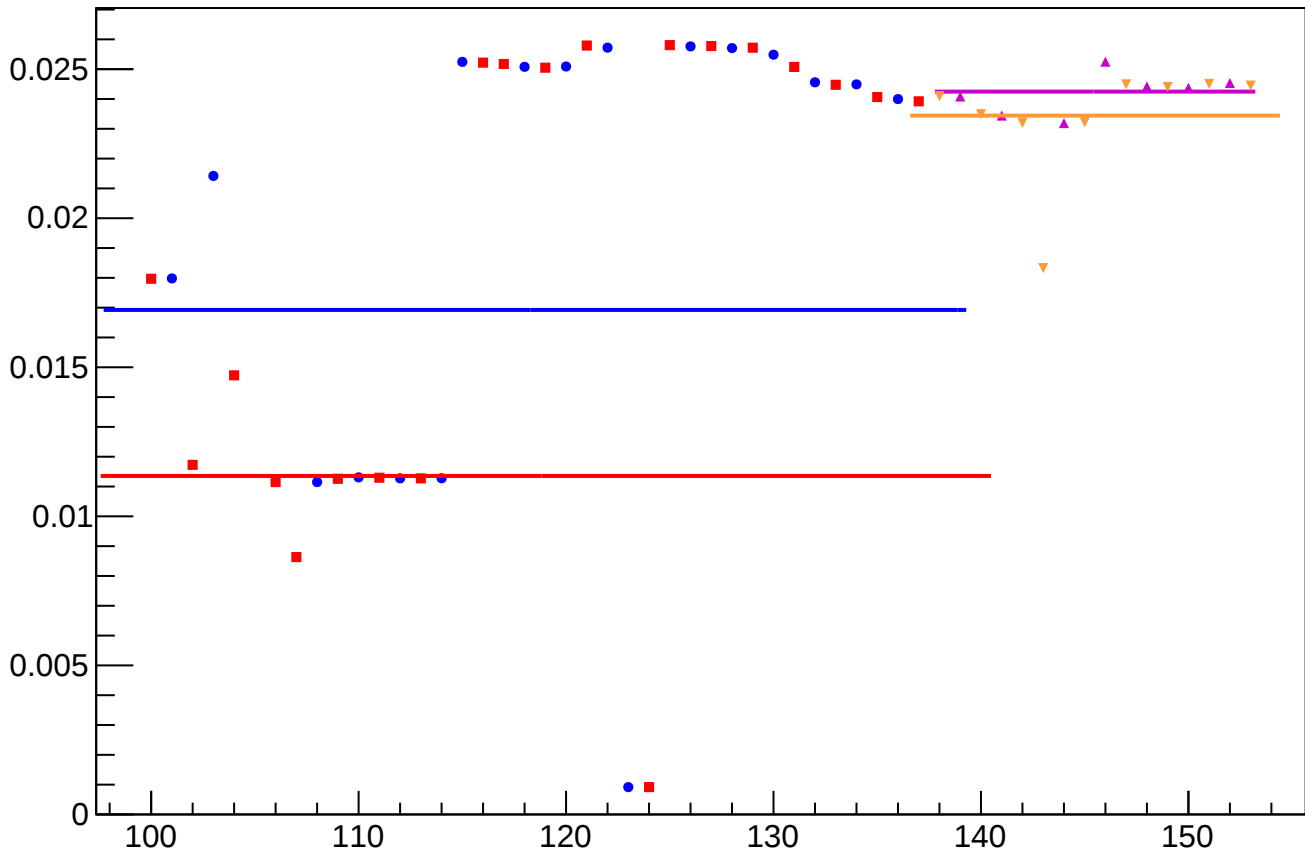
Right Out: 0.058 $\pm$ 0.000 χ^2 /NDF: 86860.7/19

Left In: 0.057 $\pm$ 0.000 χ^2 /NDF:11720.4/6

0.057 $\pm$ 0.000 χ^2 /NDF: 30846.1/25

0.058 $\pm$ 0.000 χ^2 /NDF: 99349.8/26

yield_atl1_mean vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 126447785006.7/16

Left Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 4609651695.6/8

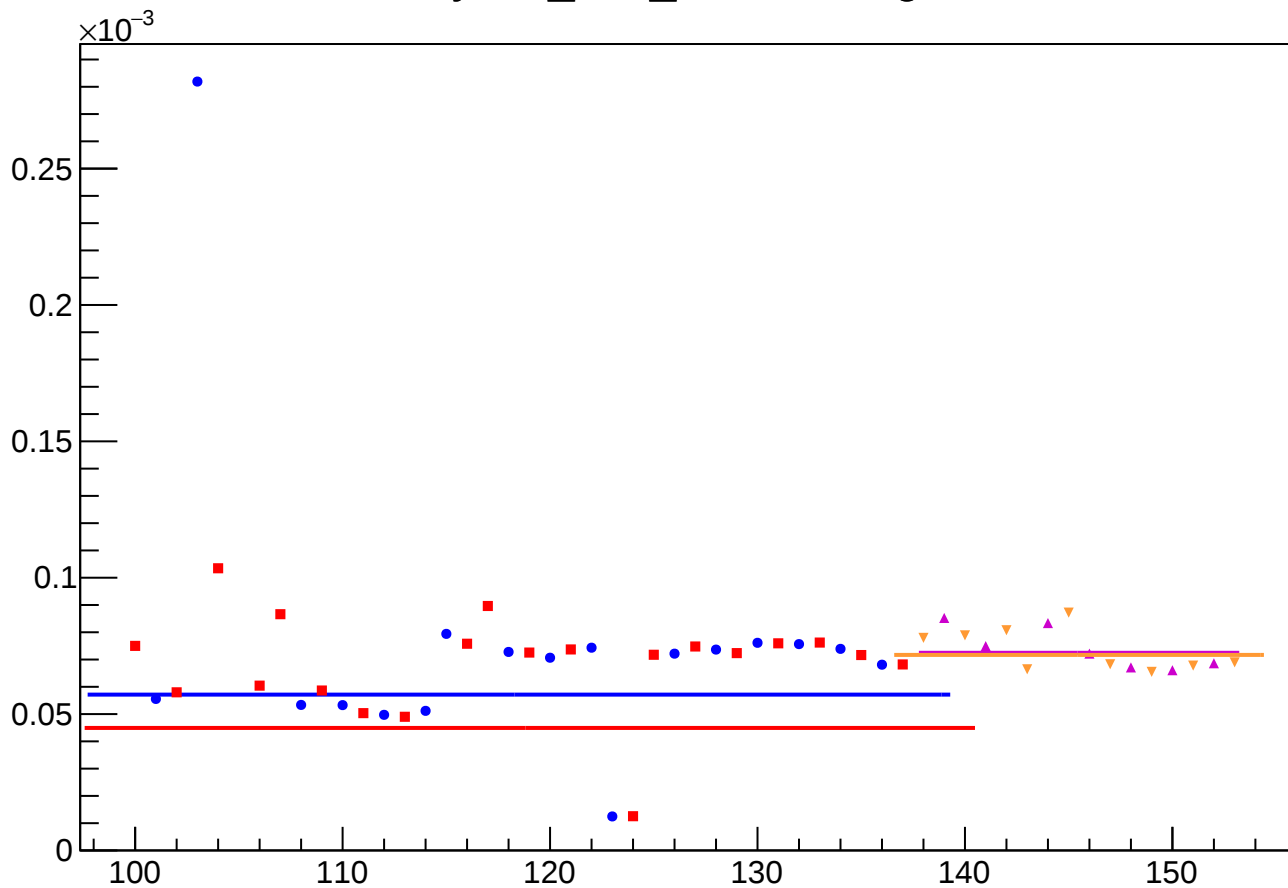
0.020 $\pm$ 0.000 χ^2 /NDF: 161214440214.4/25

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 235754579473.9/19

0.015 $\pm$ 0.000 χ^2 /NDF: 358287103983.4/26

Left In: 0.024 $\pm$ 0.000 χ^2 /NDF: 405214253.9/6

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 : 112027.6/8

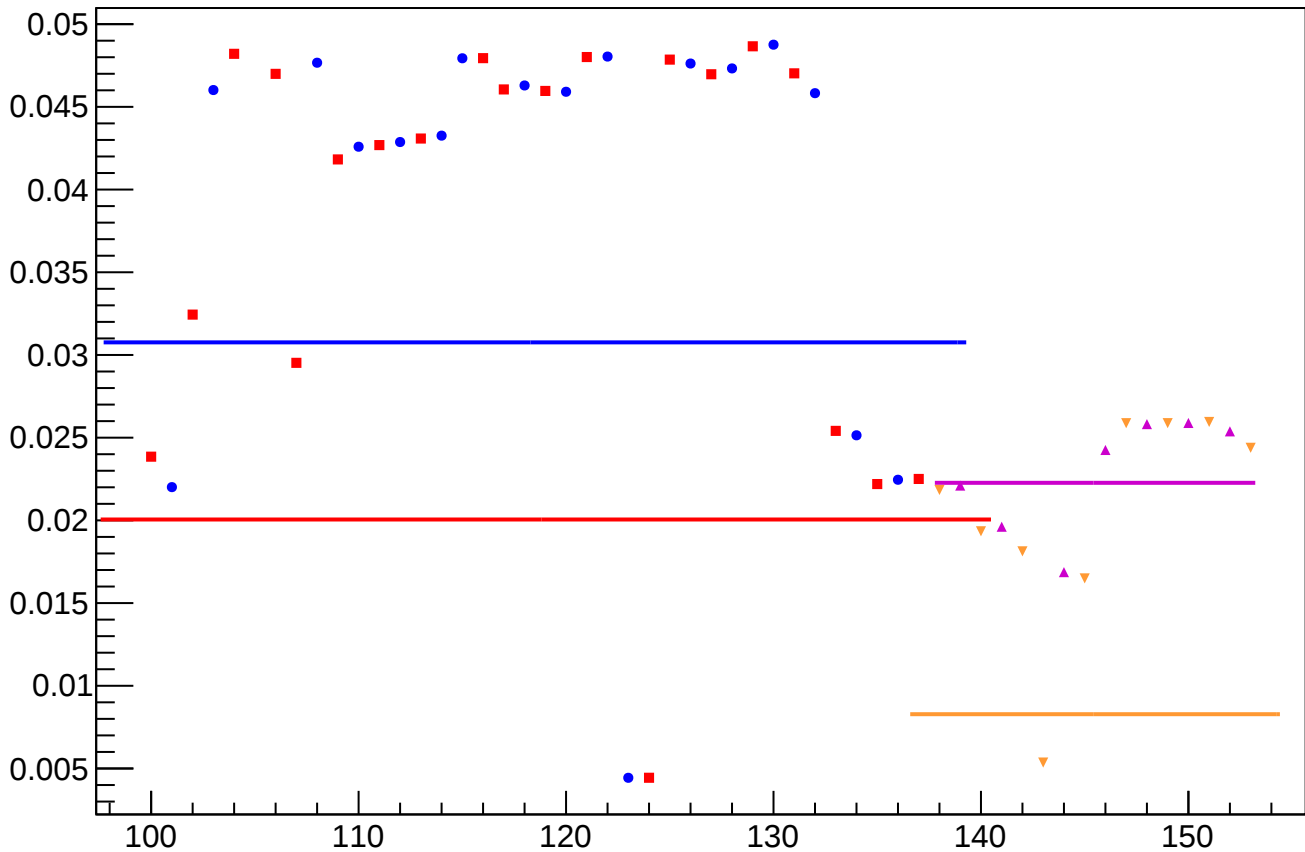
Right Out: 0.000+/-0.000 χ^2/NDF : 3613155.3/19

Left In: 0.000+/-0.000 χ^2/NDF : 93304.4/6

0.000+/-0.000 χ^2/NDF : 2413354.6/25

0.000+/-0.000 χ^2/NDF : 4821809.0/26

yield_atl2_mean vs Slug



Right In: 0.031+/-0.000 χ^2/NDF : 21174738549.0/16

Left Out: 0.008+/-0.000 χ^2/NDF :18120805436.0/8

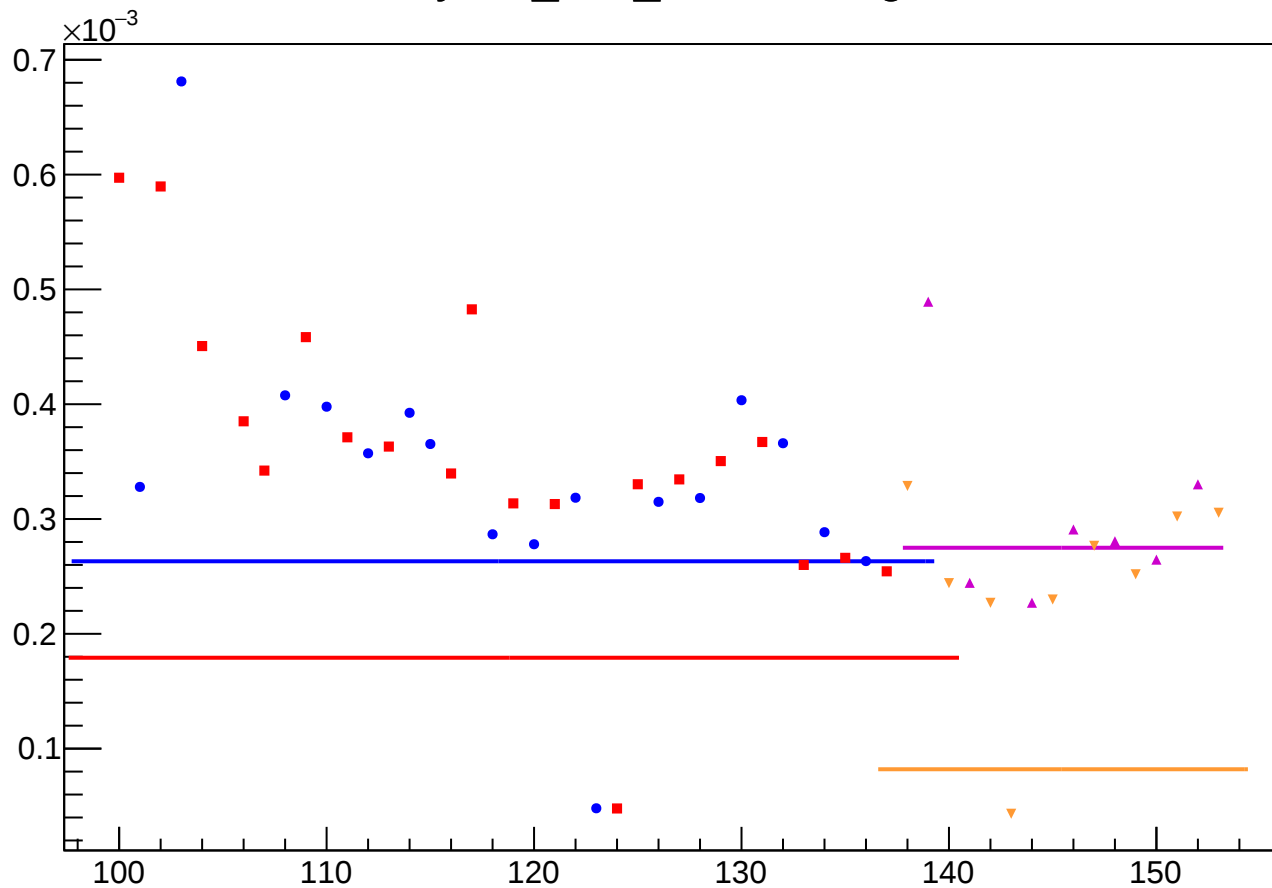
0.012+/-0.000 χ^2/NDF : 69932924713.2/25

Right Out: 0.020+/-0.000 χ^2/NDF : 40133684916.8/19

0.021+/-0.000 χ^2/NDF : 41240130251.0/26

Left In: 0.022+/-0.000 χ^2/NDF :896873042.0/6

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 : 6166030.8/8

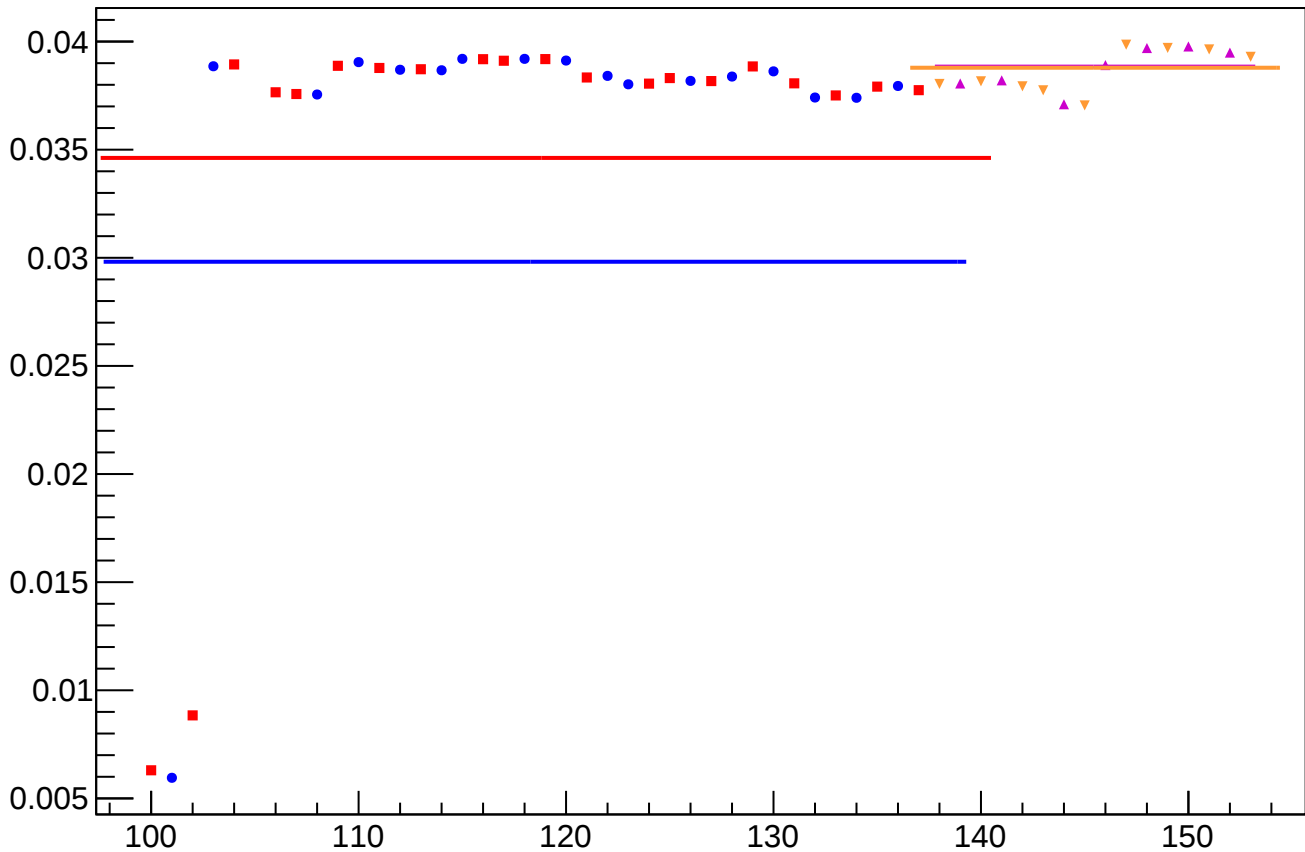
Right Out: 0.000+/-0.000 χ^2/NDF : 5374355.8/19

Left In: 0.000+/-0.000 χ^2/NDF : 412011.6/6

0.000+/-0.000 χ^2/NDF : 12546561.2/25

0.000+/-0.000 χ^2/NDF : 6568569.2/26

yield_atr1_mean vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 97152184939.3/16

Left Out: 0.039 $\pm$ 0.000 χ^2 /NDF: 315594599.4/8

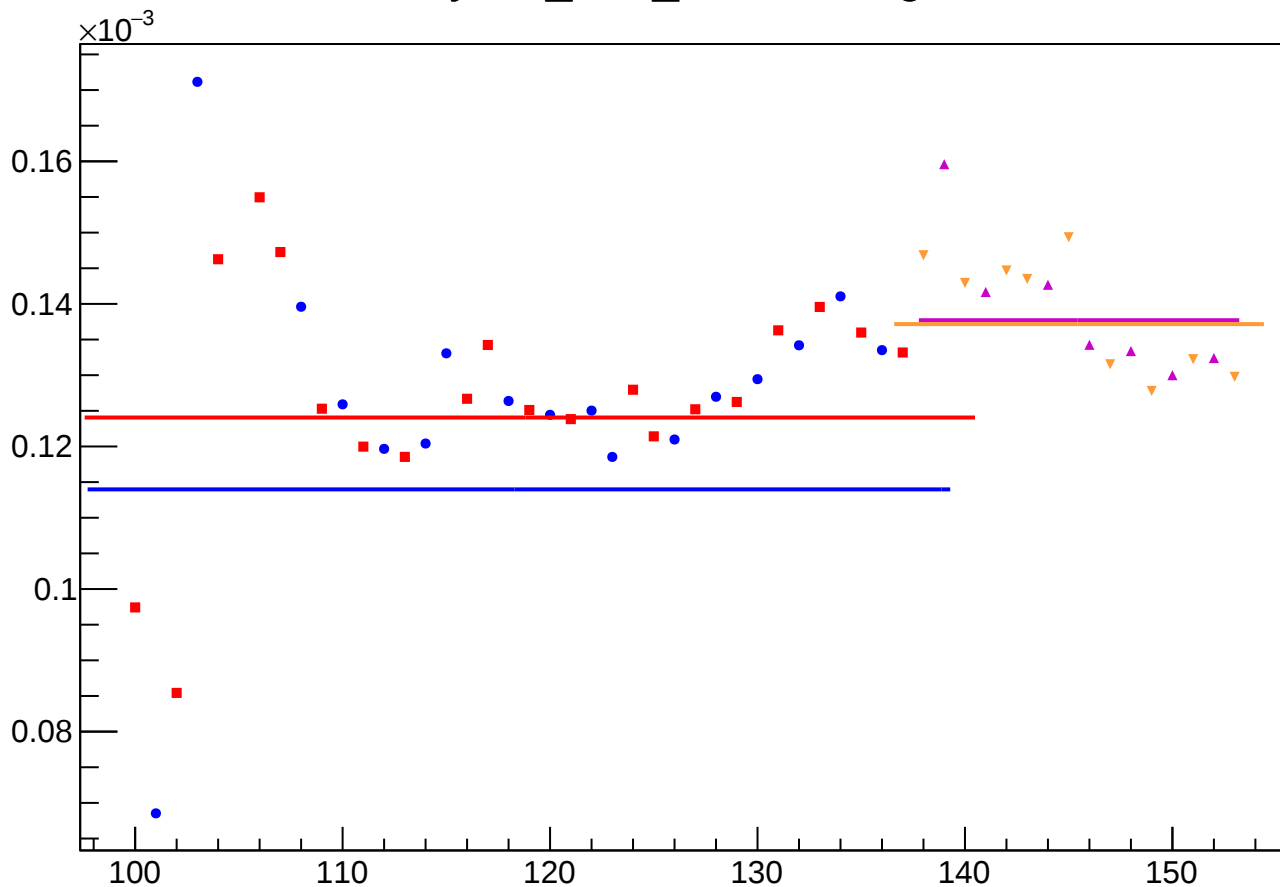
0.034 $\pm$ 0.000 χ^2 /NDF: 113287002026.6/25

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 43717644957.2/19

0.036 $\pm$ 0.000 χ^2 /NDF: 47086413254.8/26

Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 251793733.5/6

yield_atr1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 794542.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 41605.5/8

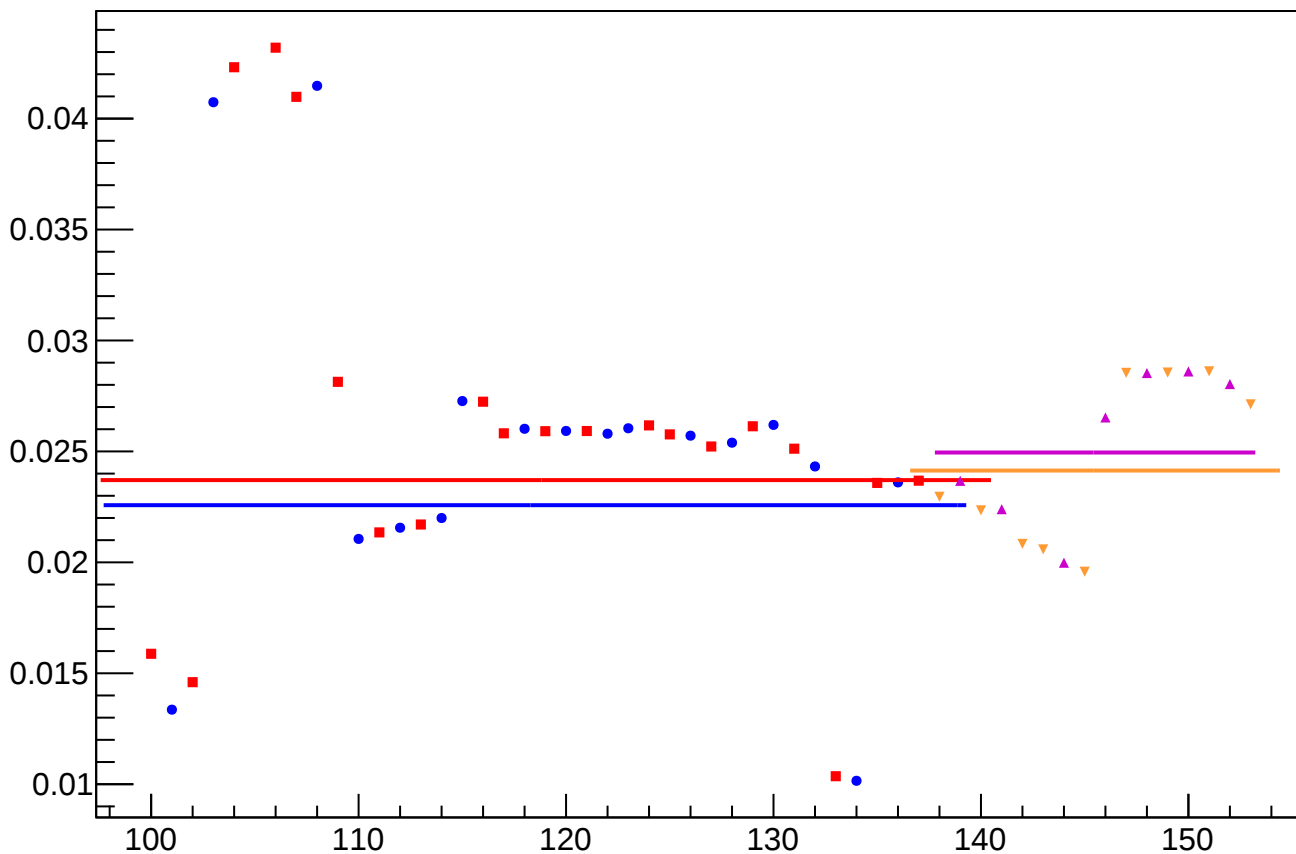
Right Out: 0.000+/-0.000 χ^2/NDF : 245649.5/19

Left In: 0.000+/-0.000 χ^2/NDF : 41395.2/6

0.000+/-0.000 χ^2/NDF : 1047445.4/25

0.000+/-0.000 χ^2/NDF : 352183.5/26

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF : 4247774712.9/16

Left Out: 0.024+/-0.000 χ^2/NDF : 1226814713.0/8

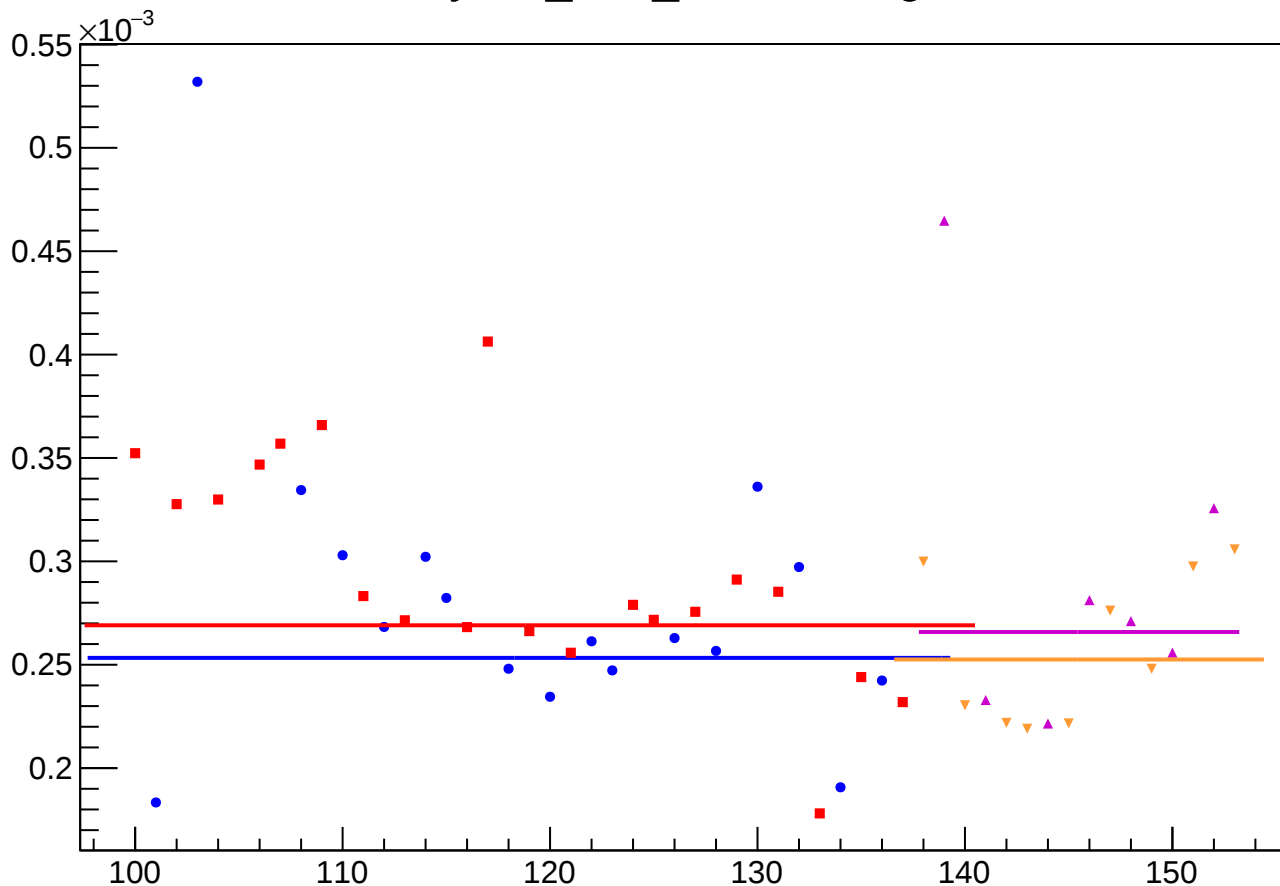
Right Out: 0.024+/-0.000 χ^2/NDF : 5652505580.7/19

Left In: 0.025+/-0.000 χ^2/NDF : 876523287.1/6

0.023+/-0.000 χ^2/NDF : 5584436811.9/25

0.024+/-0.000 χ^2/NDF : 6589517713.3/26

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 :200321.1/8

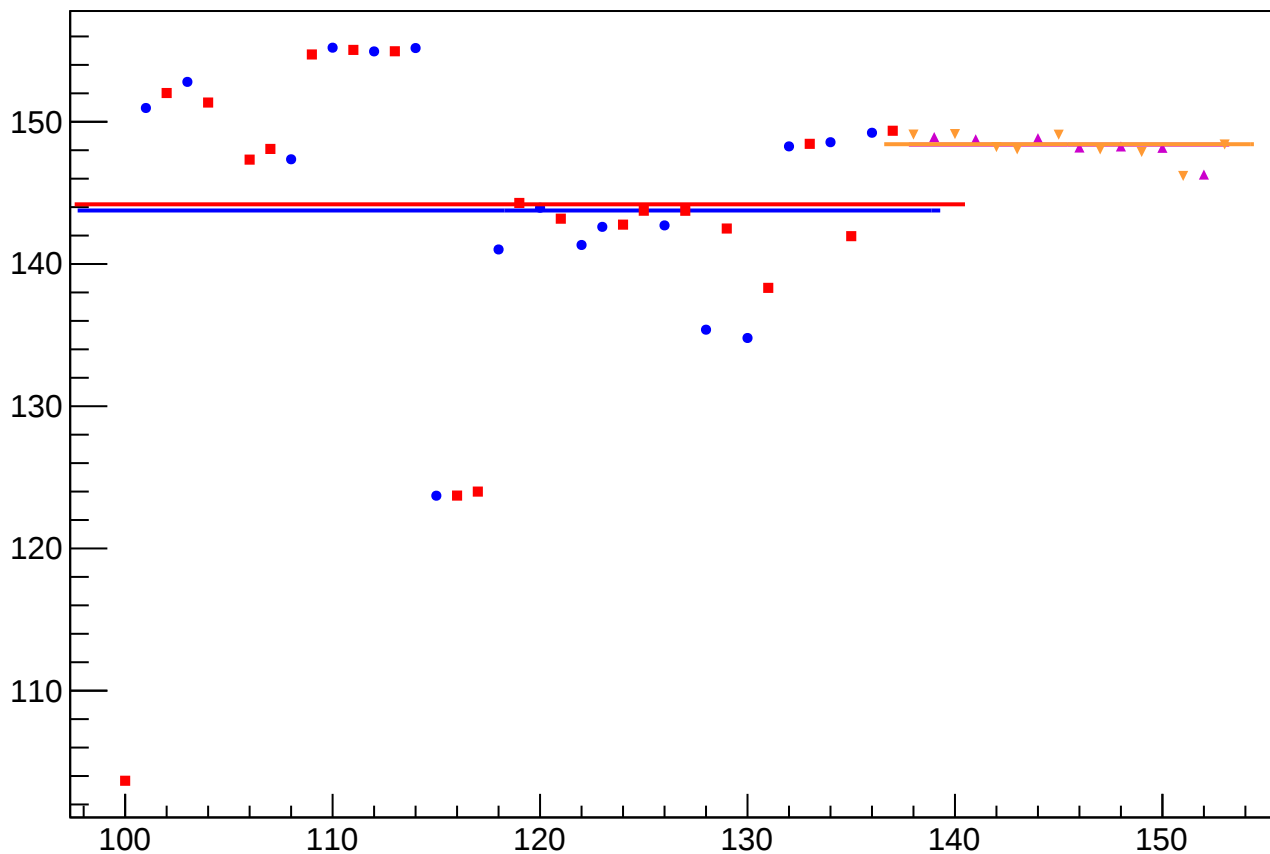
Right Out: 0.000+/-0.000 χ^2/NDF : 437710.5/19

Left In: 0.000+/-0.000 χ^2/NDF :409314.9/6

0.000+/-0.000 χ^2/NDF : 829536.1/25

0.000+/-0.000 χ^2/NDF : 847850.4/26

yield_bcm_an_ds_mean vs Slug



Right In: 143.763 ± 0.000 χ^2/NDF : 3534699505.1/16

Left Out: 148.423 ± 0.000 χ^2/NDF : 30682610.8/8

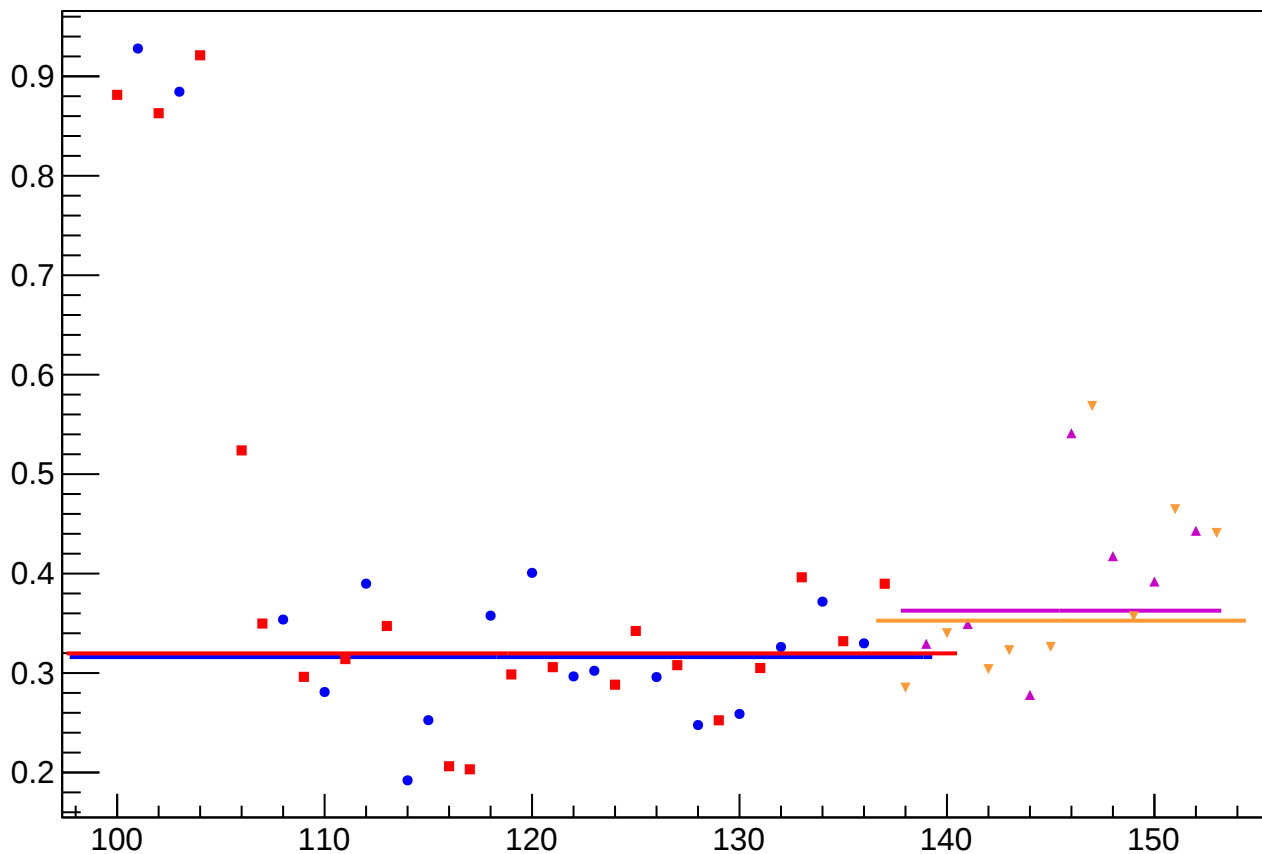
Right Out: 144.197 ± 0.000 χ^2/NDF : 4523139755.0/19

Left In: 148.396 ± 0.000 χ^2/NDF : 23069731.4/6

145.935 ± 0.000 χ^2/NDF : 4128321306.4/25

145.929 ± 0.000 χ^2/NDF : 4964393494.1/26

yield_bcm_an_ds_rms vs Slug



Right In: 0.316+/-0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.353+/-0.000 χ^2/NDF : 482822.2/8

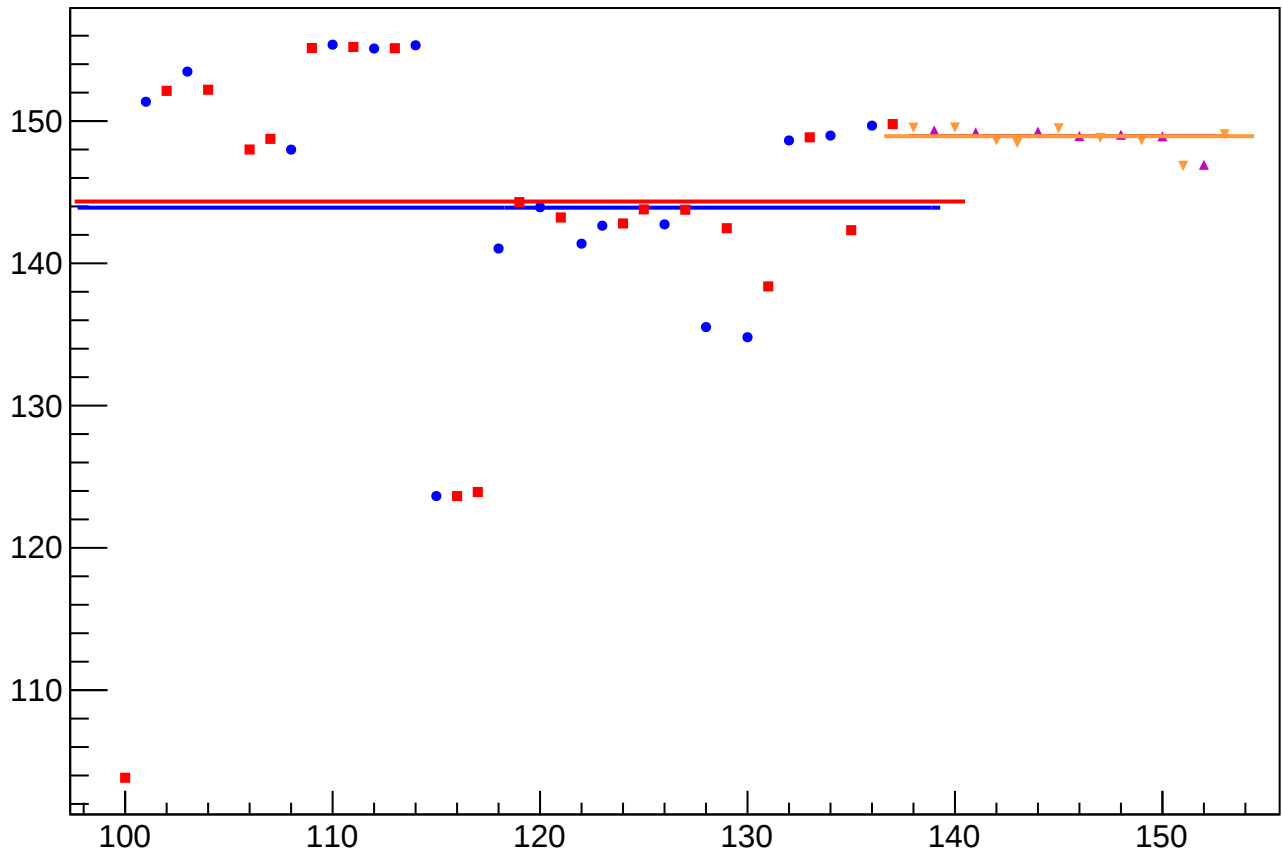
Right Out: 0.320+/-0.000 χ^2/NDF : 1241752.3/19

Left In: 0.363+/-0.000 χ^2/NDF : 430839.5/6

0.333+/-0.000 χ^2/NDF : 1818273.9/25

0.337+/-0.000 χ^2/NDF : 1760041.1/26

yield_bcm_an_ds3_mean vs Slug



Right In: 143.912 ± 0.000 χ^2/NDF : 3587769790.2/16

Left Out: 148.938 ± 0.000 χ^2/NDF : 24496900.5/8

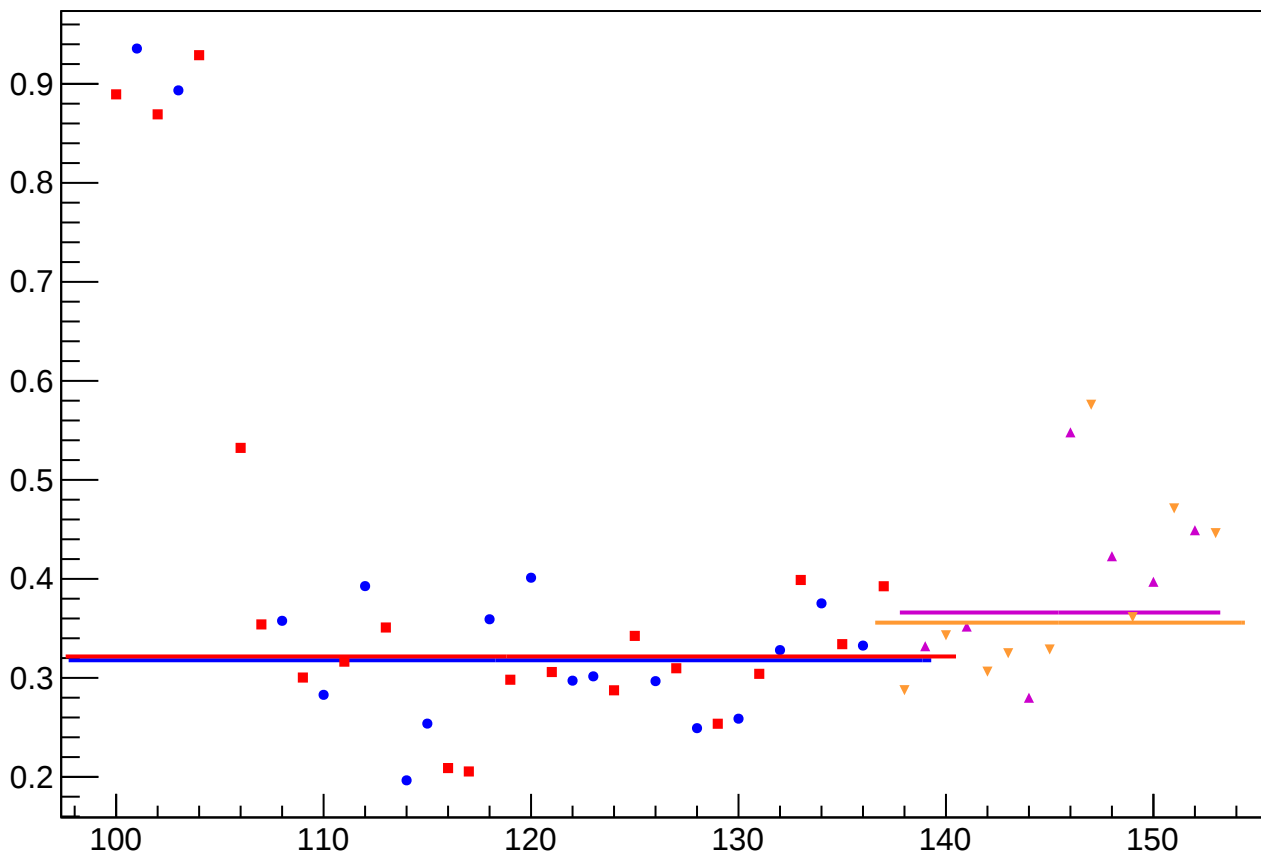
146.245 ± 0.000 χ^2/NDF : 4257120505.8/25

Right Out: 144.347 ± 0.000 χ^2/NDF : 4550581147.9/19

146.237 ± 0.000 χ^2/NDF : 5063295328.8/26

Left In: 148.950 ± 0.000 χ^2/NDF : 18358152.5/6

yield_bcm_an_ds3_rms vs Slug



Right In: 0.318 ± 0.000 χ^2/NDF : 1268257.9/16

Left Out: 0.356 ± 0.000 χ^2/NDF : 492211.3/8

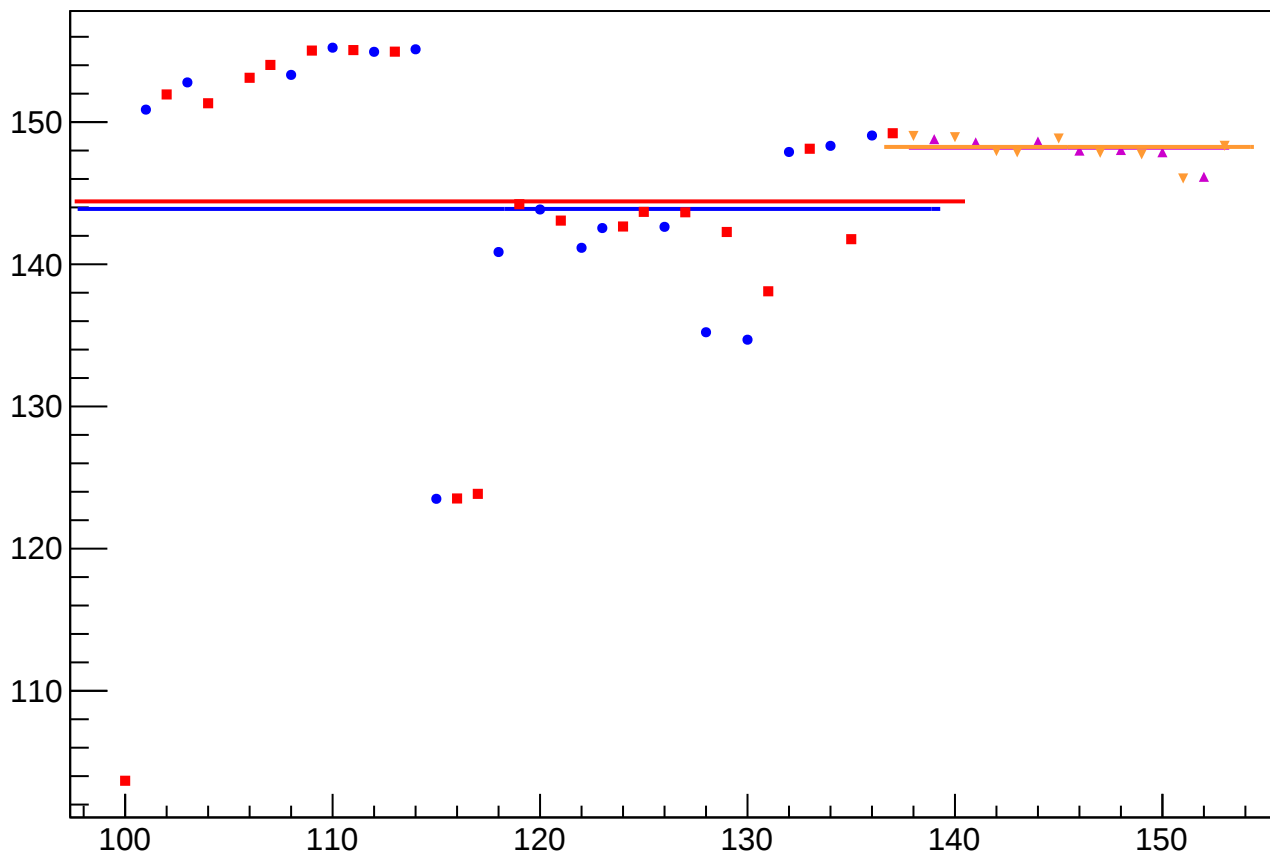
Right Out: 0.322 ± 0.000 χ^2/NDF : 1244304.0/19

Left In: 0.366 ± 0.000 χ^2/NDF : 441029.2/6

0.335 ± 0.000 χ^2/NDF : 1834189.2/25

0.340 ± 0.000 χ^2/NDF : 1777267.0/26

yield_bcm_an_us_mean vs Slug



Right In: 143.893+/-0.000 χ^2/NDF : 3752655677.2/16

Left Out: 148.254+/-0.000 χ^2/NDF : 30778700.1/8

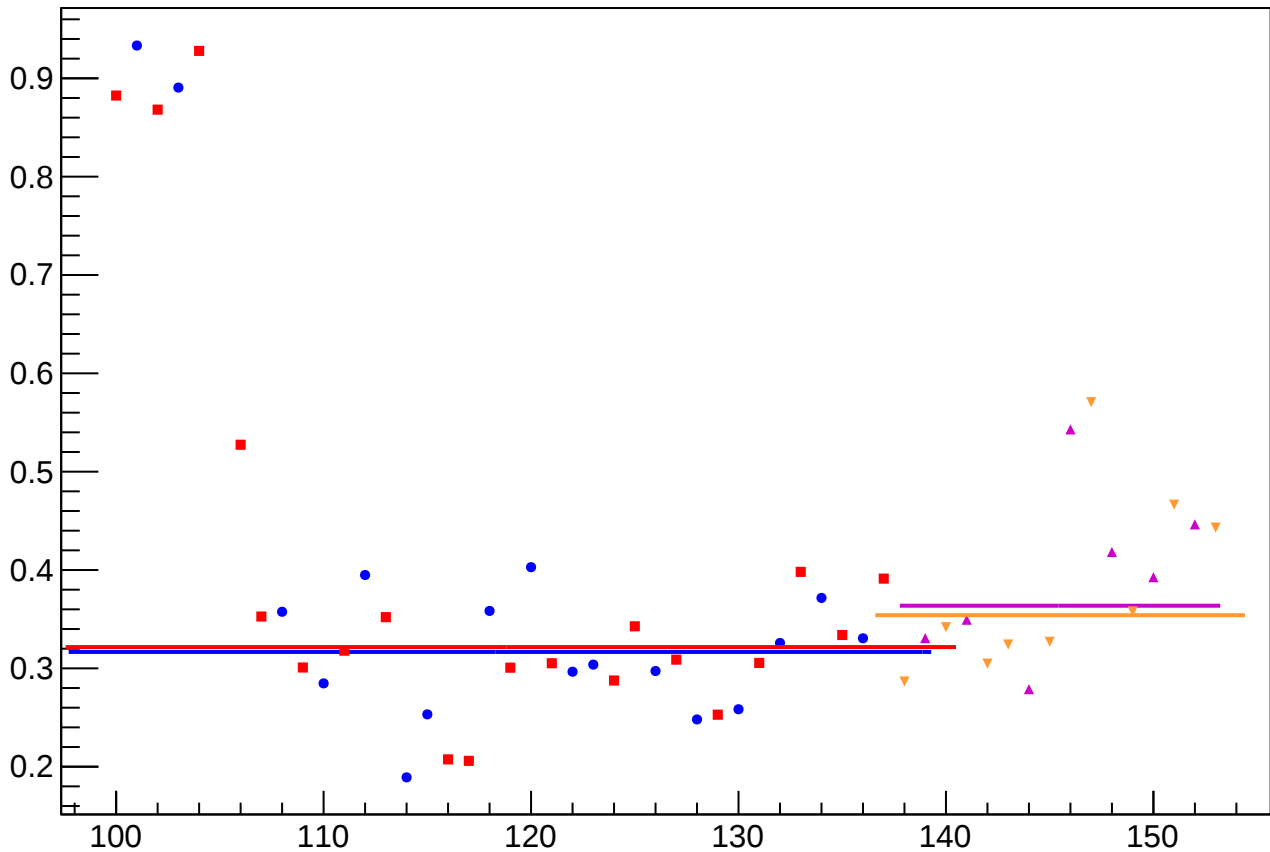
145.924+/-0.000 χ^2/NDF : 4272833501.5/25

Right Out: 144.423+/-0.000 χ^2/NDF : 4819194675.6/19

145.986+/-0.000 χ^2/NDF : 5177086665.1/26

Left In: 148.199+/-0.000 χ^2/NDF : 22482055.2/6

yield_bcm_an_us_rms vs Slug



Right In: 0.317+/-0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.354+/-0.000 χ^2/NDF : 483226.2/8

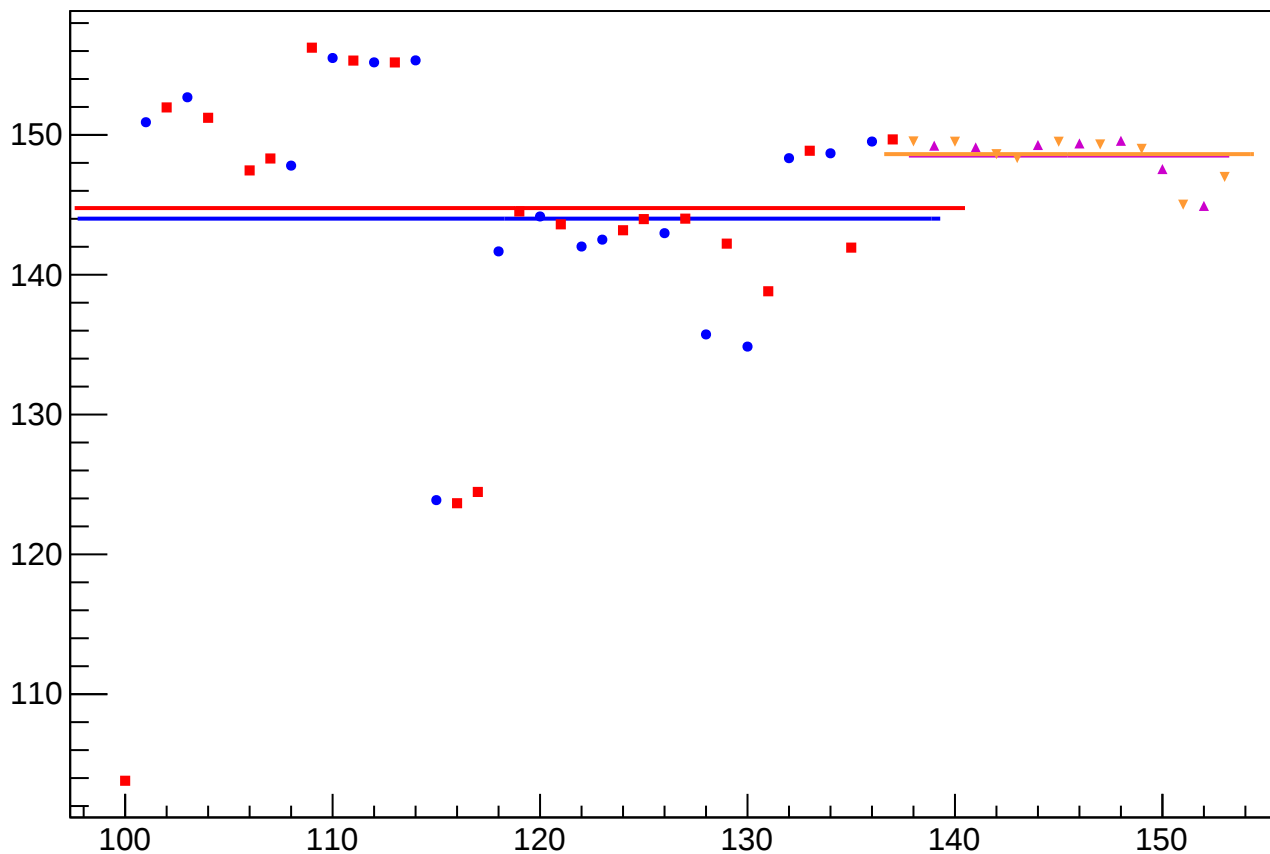
Right Out: 0.322+/-0.000 χ^2/NDF : 1244671.1/19

Left In: 0.364+/-0.000 χ^2/NDF : 432764.9/6

0.334+/-0.000 χ^2/NDF : 1835334.9/25

0.339+/-0.000 χ^2/NDF : 1760756.7/26

yield_bcm_dg_us_mean vs Slug



Right In: 144.012 $\pm$ 0.000 χ^2 /NDF: 3241696920.3/16

Left Out: 148.627 $\pm$ 0.000 χ^2 /NDF: 72345171.0/8

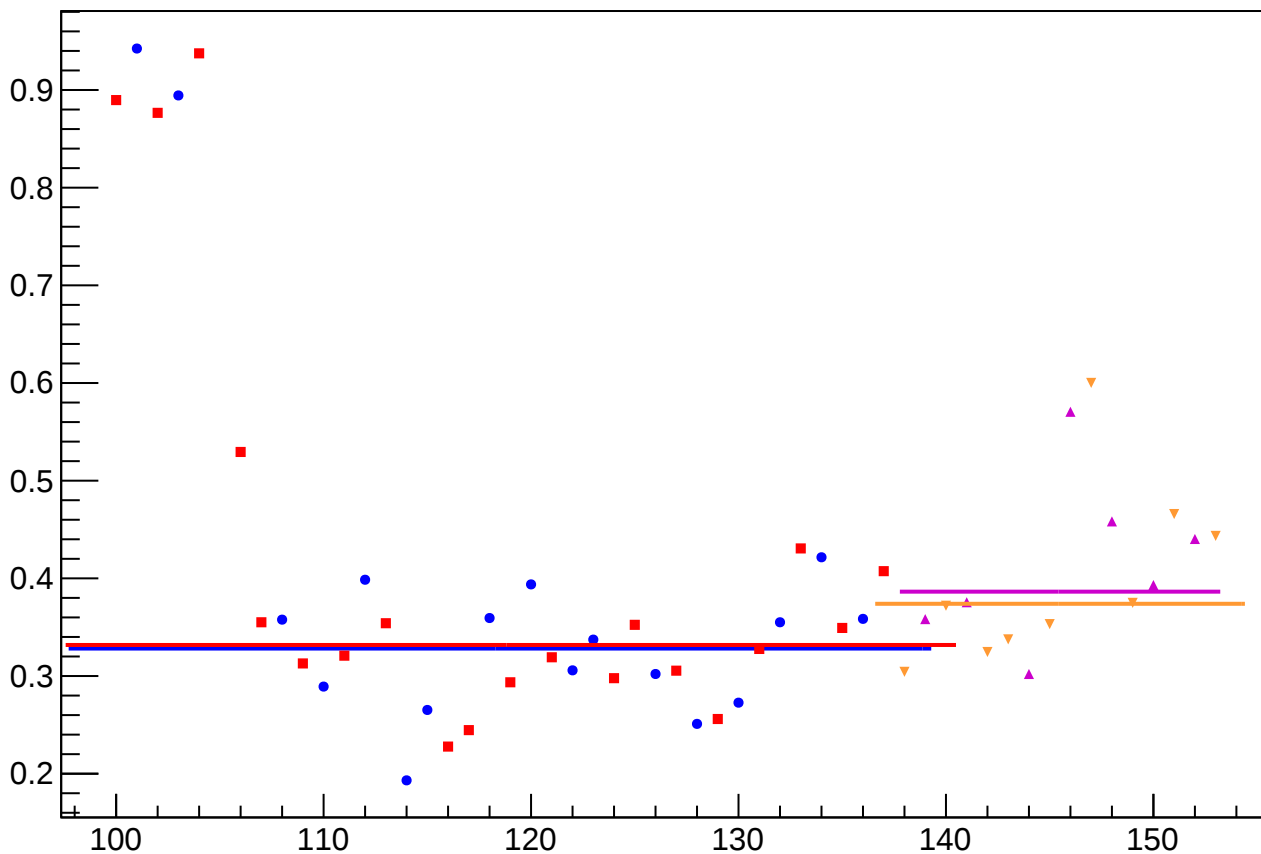
Right Out: 144.767 $\pm$ 0.000 χ^2 /NDF: 4097482970.1/19

Left In: 148.523 $\pm$ 0.000 χ^2 /NDF: 72940624.1/6

146.118 $\pm$ 0.000 χ^2 /NDF: 3812686206.7/25

146.271 $\pm$ 0.000 χ^2 /NDF: 4472030892.1/26

yield_bcm_dg_us_rms vs Slug



Right In: 0.328 ± 0.000 χ^2/NDF : 1265892.9/16

Left Out: 0.374 ± 0.000 χ^2/NDF : 414919.7/8

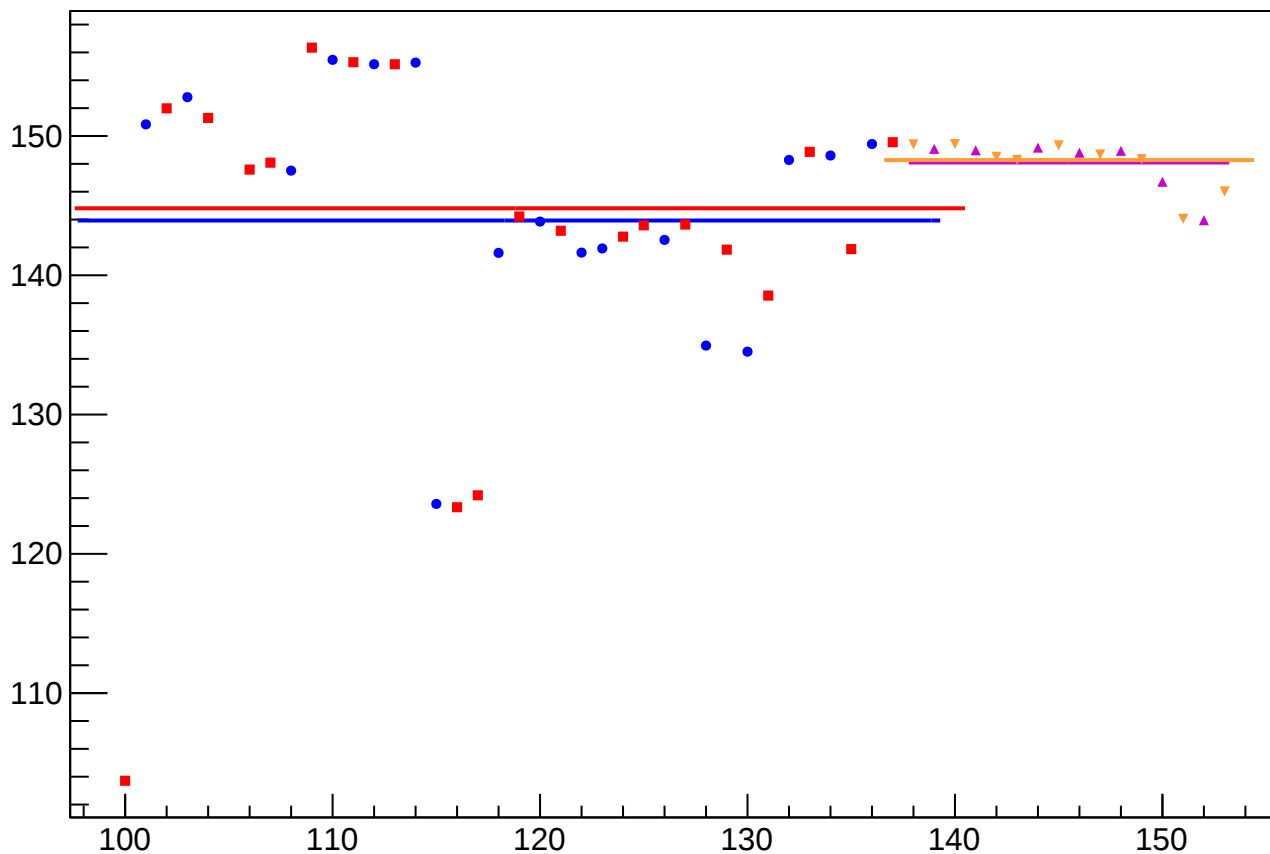
Right Out: 0.332 ± 0.000 χ^2/NDF : 1194167.8/19

Left In: 0.386 ± 0.000 χ^2/NDF : 363602.4/6

0.349 ± 0.000 χ^2/NDF : 1779177.3/25

0.354 ± 0.000 χ^2/NDF : 1685205.3/26

yield_bcm_dg_ds_mean vs Slug



Right In: 143.932 ± 0.000 χ^2/NDF : 3383012861.2/16

Left Out: 148.269 ± 0.000 χ^2/NDF : 104552102.1/8

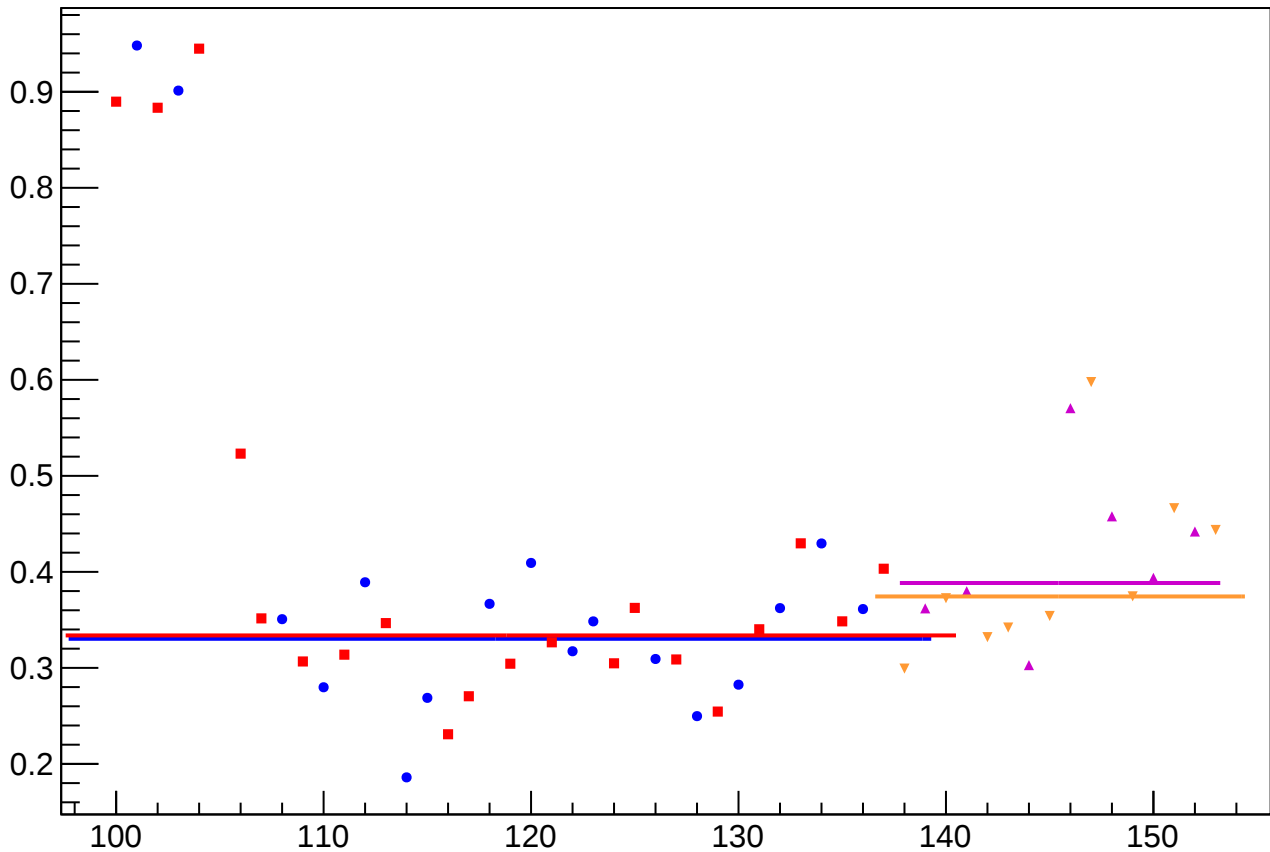
Right Out: 144.809 ± 0.000 χ^2/NDF : 4138041955.6/19

Left In: 148.098 ± 0.000 χ^2/NDF : 102174044.2/6

145.924 ± 0.000 χ^2/NDF : 3923353922.8/25

146.126 ± 0.000 χ^2/NDF : 4468483416.9/26

yield_bcm_dg_ds_rms vs Slug



Right In: 0.330+/-0.000 χ^2/NDF : 1283955.7/16

Left Out: 0.374+/-0.000 χ^2/NDF : 415533.3/8

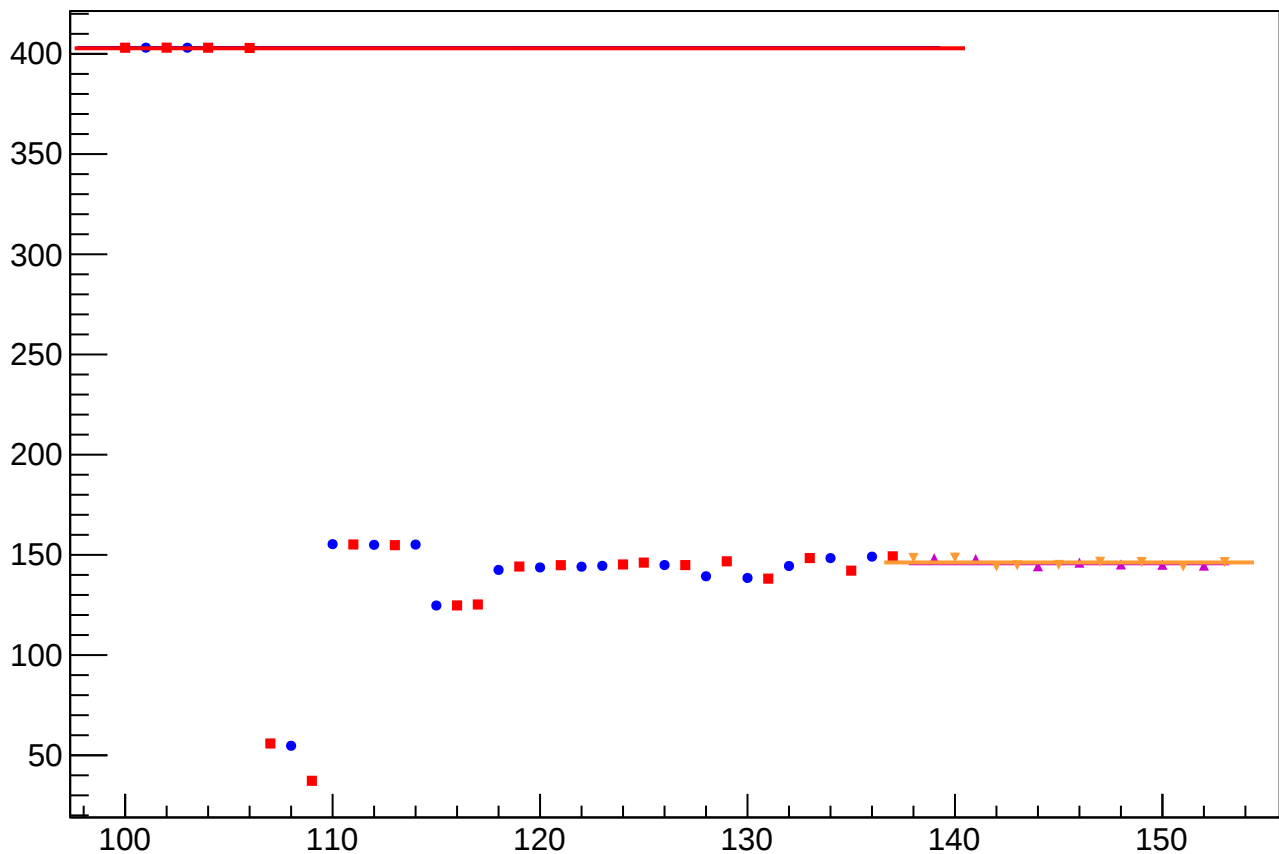
Right Out: 0.334+/-0.000 χ^2/NDF : 1177889.1/19

Left In: 0.388+/-0.000 χ^2/NDF : 356669.9/6

0.351+/-0.000 χ^2/NDF : 1789534.4/25

0.356+/-0.000 χ^2/NDF : 1660393.7/26

yield_cav4bQ_mean vs Slug



Right In: 402.958+/-0.000 χ^2/NDF : 1094364588383.4/16

Left Out: 146.215+/-0.000 χ^2/NDF : 30391557.4/8

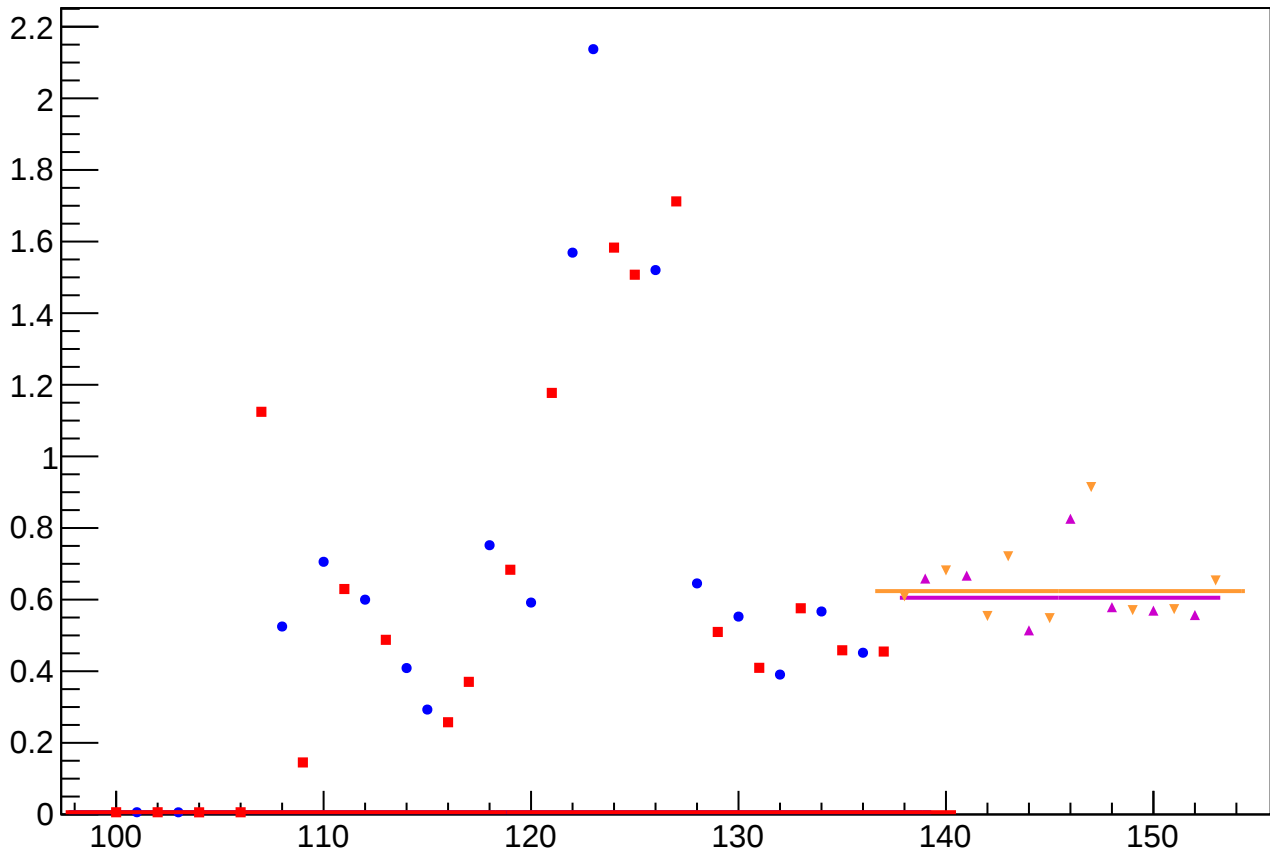
Right Out: 402.797+/-0.000 χ^2/NDF : 3120897866993.6/19

Left In: 145.814+/-0.000 χ^2/NDF : 23714770.1/6

402.867+/-0.000 χ^2/NDF : 1822140795956.4/25

402.721+/-0.000 χ^2/NDF : 3812420369383.1/20

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.624+/-0.000 χ^2/NDF :169783.7/8

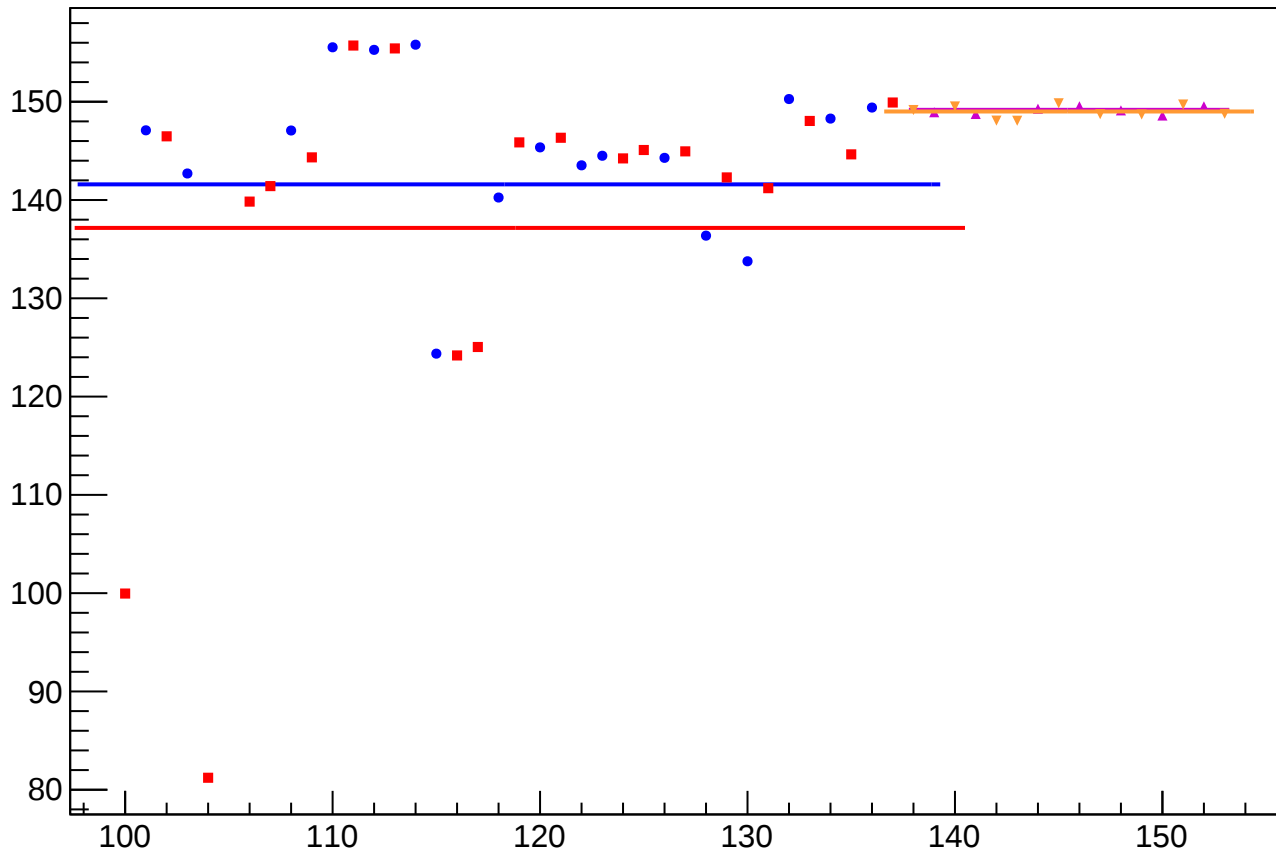
Right Out: 0.006+/-0.000 χ^2/NDF : 9258244.0/19

Left In: 0.605+/-0.000 χ^2/NDF :141624.5/6

0.007+/-0.000 χ^2/NDF : 17667086.4/25

0.007+/-0.000 χ^2/NDF : 16911353.1/26

yield_cav4cQ_mean vs Slug



Right In: 141.593 $\pm$ 0.000 χ^2 /NDF: 980101868.2/16

Left Out: 149.007 $\pm$ 0.000 χ^2 /NDF: 8387574.7/8

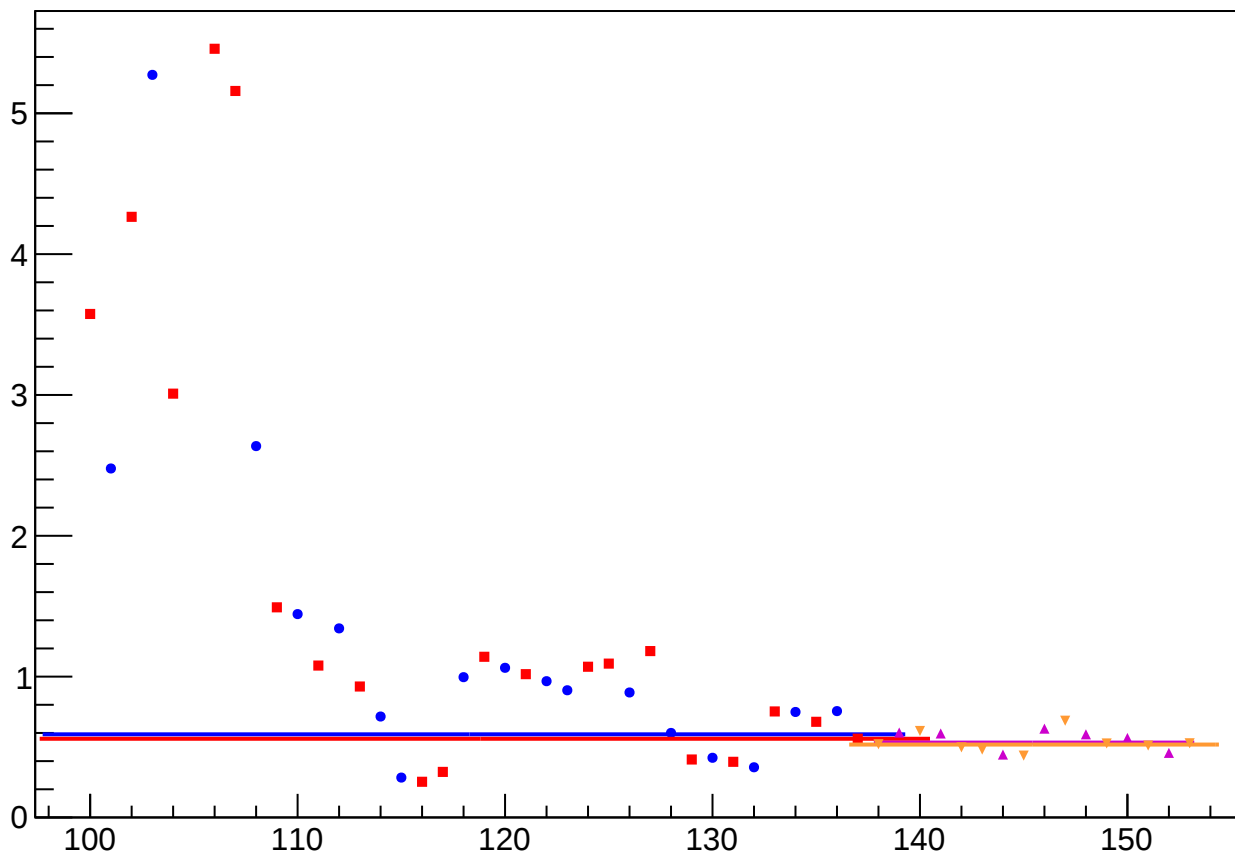
146.527 $\pm$ 0.000 χ^2 /NDF: 1357757953.8/25

Right Out: 137.162 $\pm$ 0.000 χ^2 /NDF: 1366089515.6/19

144.408 $\pm$ 0.000 χ^2 /NDF: 2321419726.8/26

Left In: 149.175 $\pm$ 0.000 χ^2 /NDF: 1977985.1/6

yield_cav4cQ_rms vs Slug



Right In: 0.590 ± 0.000 χ^2/NDF : 3491995.1/16

Left Out: 0.518 ± 0.000 χ^2/NDF : 163409.1/8

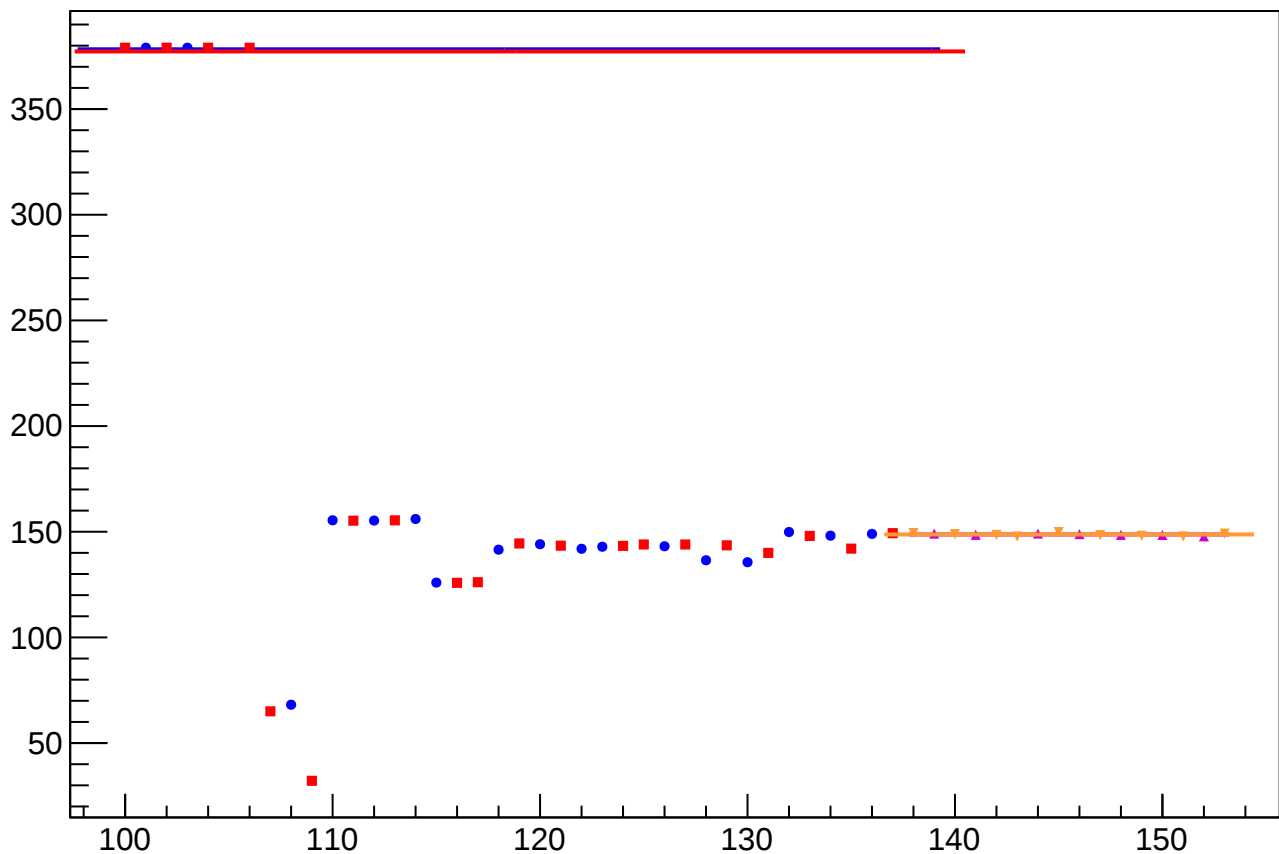
Right Out: 0.559 ± 0.000 χ^2/NDF : 4721291.1/19

Left In: 0.532 ± 0.000 χ^2/NDF : 175646.3/6

0.542 ± 0.000 χ^2/NDF : 3726249.8/25

0.542 ± 0.000 χ^2/NDF : 4906628.8/26

yield_cav4dQ_mean vs Slug



Right In: 378.283+/-0.000 χ^2/NDF : 2508313421453.8/16

Left Out: 148.719+/-0.000 χ^2/NDF : 19525047.0/8

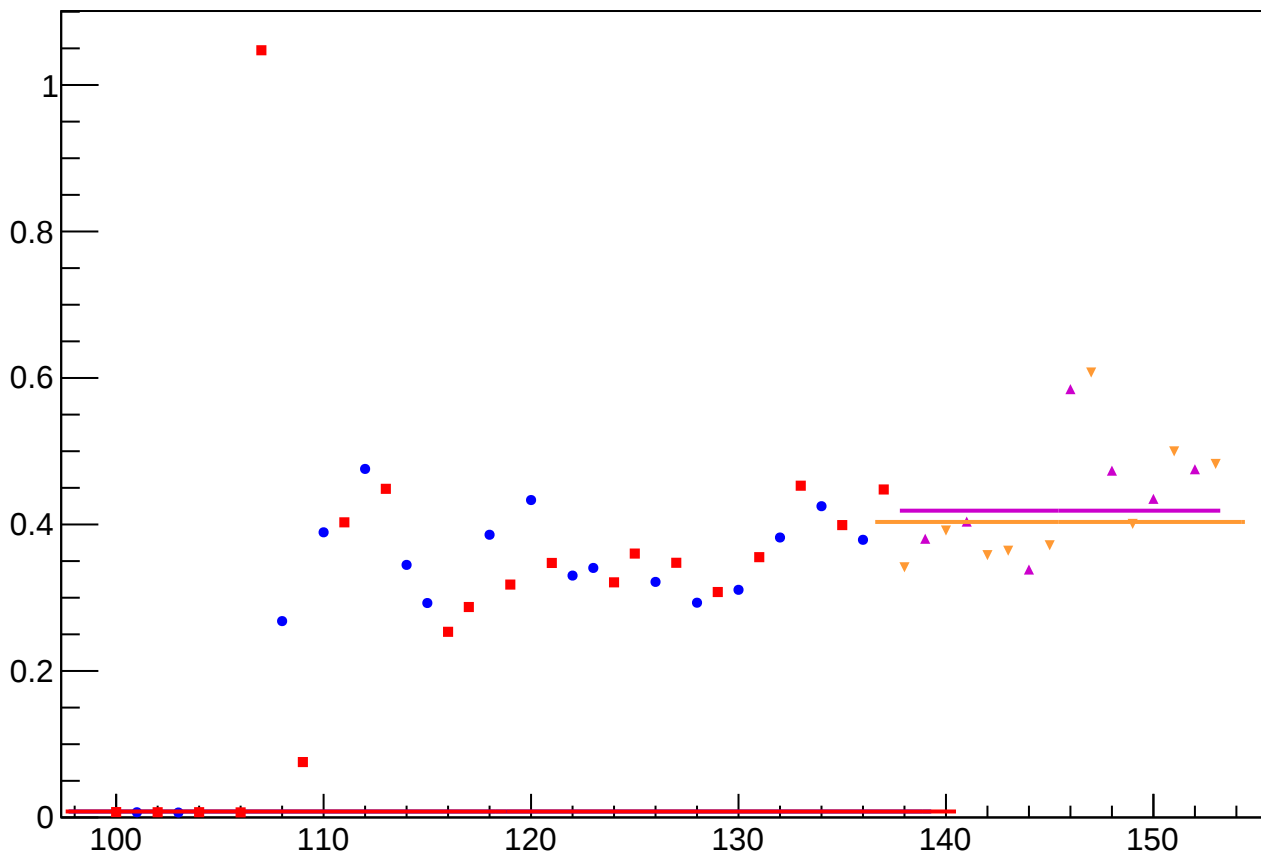
Right Out: 377.280+/-0.000 χ^2/NDF : 8313240281527.9/19

Left In: 148.711+/-0.000 χ^2/NDF : 5413172.8/6

377.634+/-0.000 χ^2/NDF : 4490368633295.4/25

376.816+/-0.000 χ^2/NDF : 9924133916303.1/26

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 9806719.4/16

Left Out: 0.403+/-0.000 χ^2/NDF : 350468.4/8

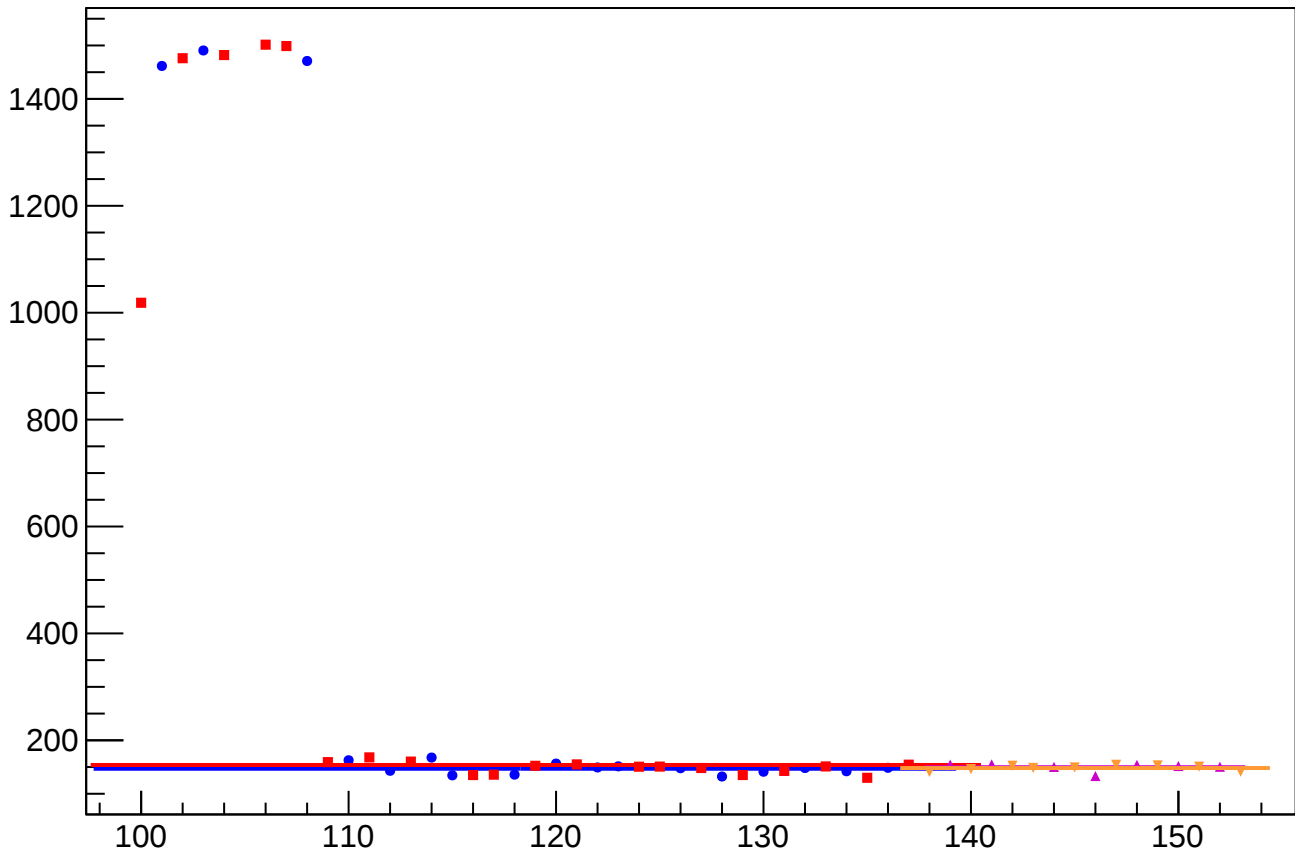
Right Out: 0.008+/-0.000 χ^2/NDF : 9589375.6/19

Left In: 0.419+/-0.000 χ^2/NDF : 284883.7/6

0.009+/-0.000 χ^2/NDF : 21912556.7/25

0.009+/-0.000 χ^2/NDF : 20274970.6/26

yield_bcm0l02_mean vs Slug



Right In: 146.819+/-0.000 χ^2/NDF : 24360774977.7/16

Left Out: 148.123+/-0.000 χ^2/NDF : 157343802.9/8

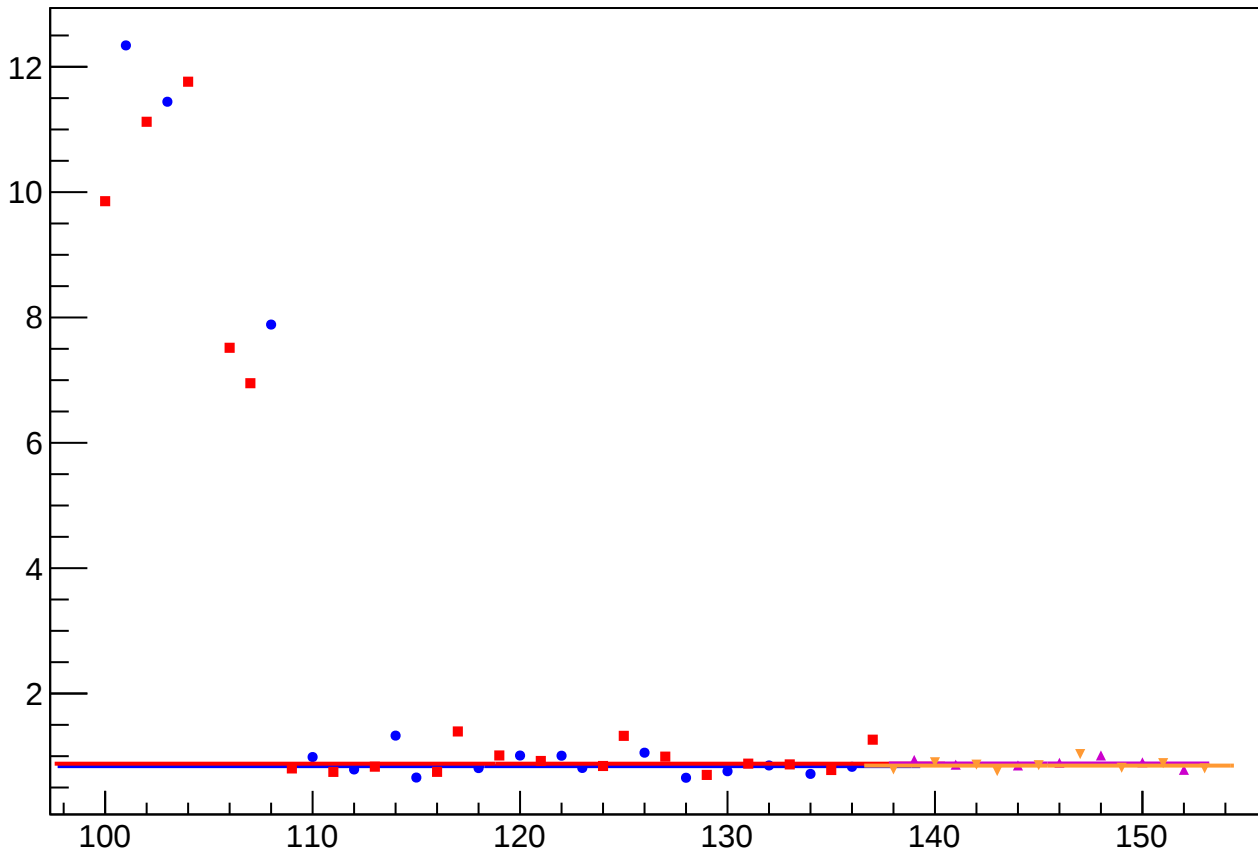
147.557+/-0.000 χ^2/NDF : 24523238398.4/25

Right Out: 153.832+/-0.000 χ^2/NDF : 33744235949.2/19

151.620+/-0.000 χ^2/NDF : 34085812545.8/26

Left In: 149.620+/-0.000 χ^2/NDF : 292134805.6/6

yield_bcm0l02_rms vs Slug



Right In: 0.841+/-0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.850+/-0.000 χ^2/NDF : 74251.7/8

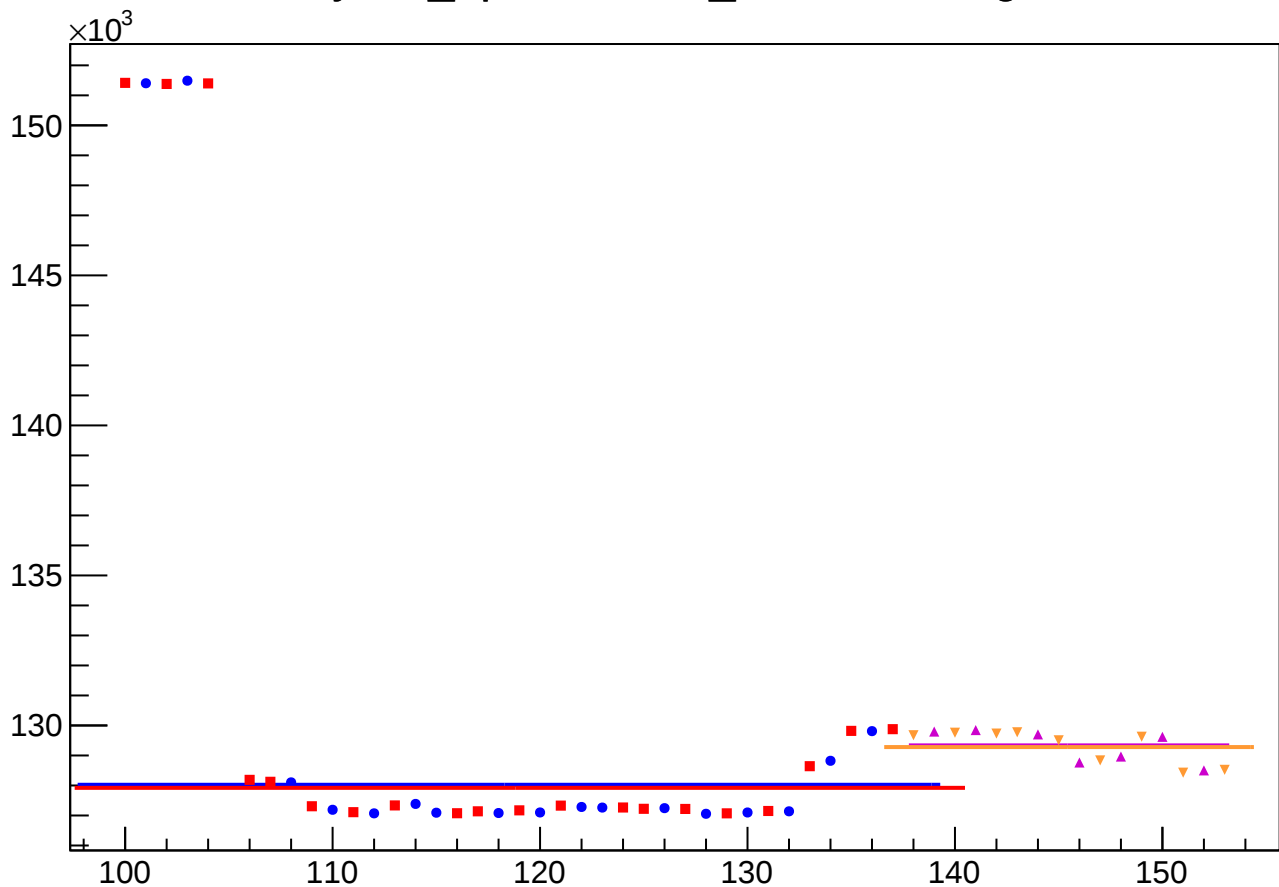
Right Out: 0.880+/-0.000 χ^2/NDF : 2825356.7/19

Left In: 0.883+/-0.000 χ^2/NDF : 52490.2/6

0.846+/-0.000 χ^2/NDF : 2737095.1/25

0.882+/-0.000 χ^2/NDF : 2877895.3/26

yield_bpm2i01WS_mean vs Slug



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16

Left Out: 129280.006 $\pm$ 0.066 χ^2 /NDF: 66734427.7/8

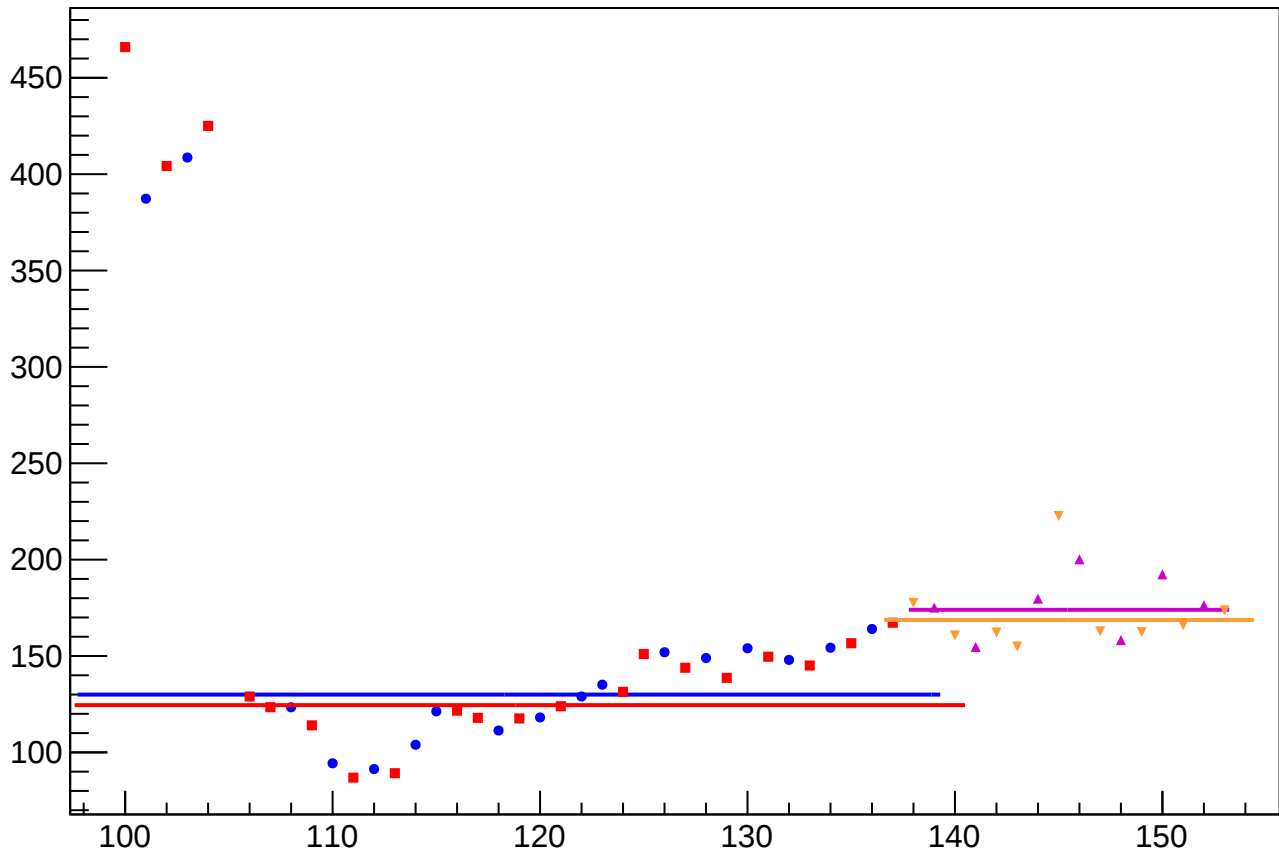
Right Out: 127921.299 $\pm$ 0.050 χ^2 /NDF: 3768965324.4/19

Left In: 129336.224 $\pm$ 0.073 χ^2 /NDF: 48467247.2/6

128529.074 $\pm$ 0.042 χ^2 /NDF: 4596831160.0/25

128371.969 $\pm$ 0.041 χ^2 /NDF: 4070716899.3/26

yield_bpm2i01WS_rms vs Slug



Right In: 129.980+/-0.039 χ^2/NDF : 1485519.5/16

Left Out: 168.709+/-0.047 χ^2/NDF :115241.7/8

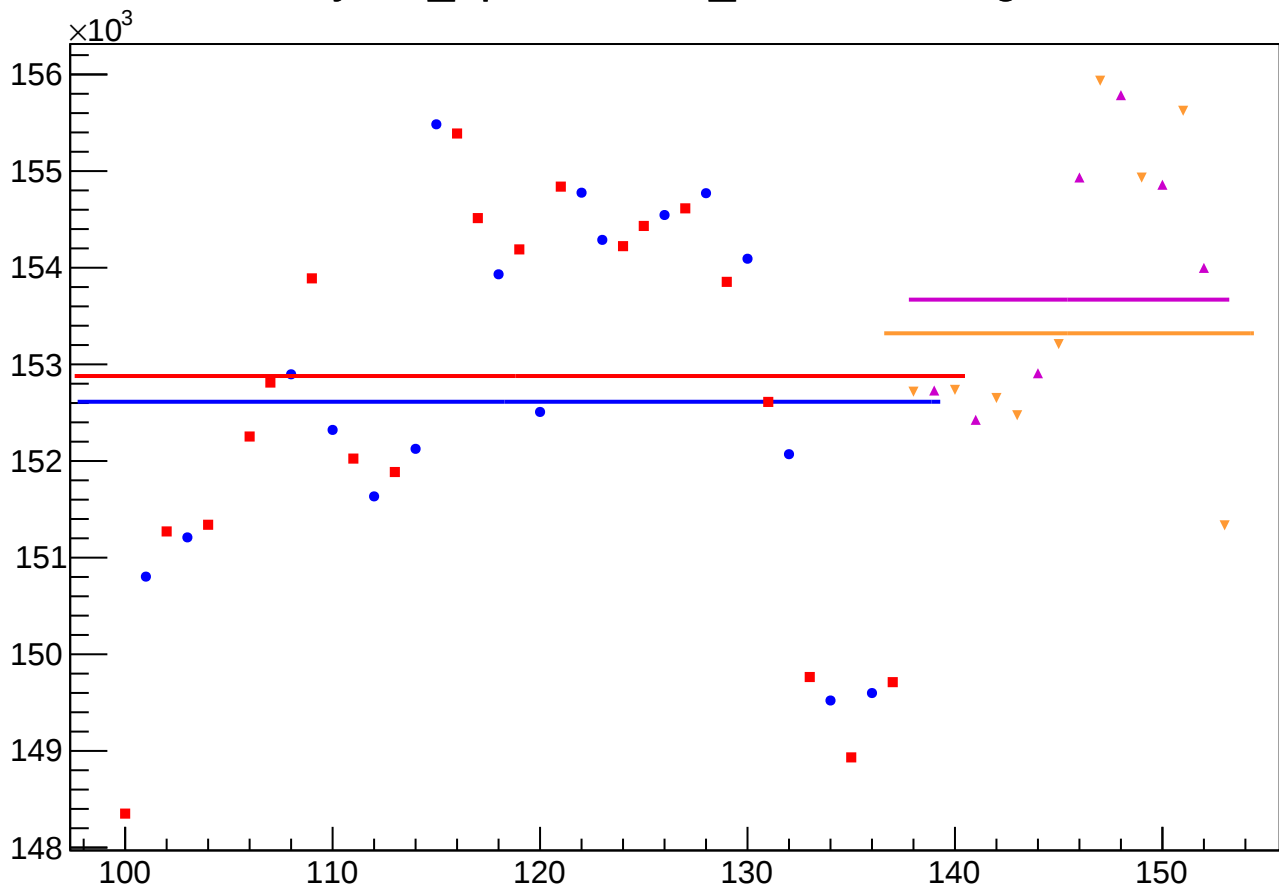
145.562+/-0.030 χ^2/NDF : 2006551.6/25

Right Out: 124.514+/-0.035 χ^2/NDF : 1531546.7/19

140.266+/-0.029 χ^2/NDF : 2236757.3/26

Left In: 173.968+/-0.052 χ^2/NDF :86381.3/6

yield_bpm0i07WS_mean vs Slug



Right In: 152613.122 $\pm$ 0.072 χ^2 /NDF: 623356098.4/16

Left Out: 153321.520 $\pm$ 0.075 χ^2 /NDF: 360716345.9/8

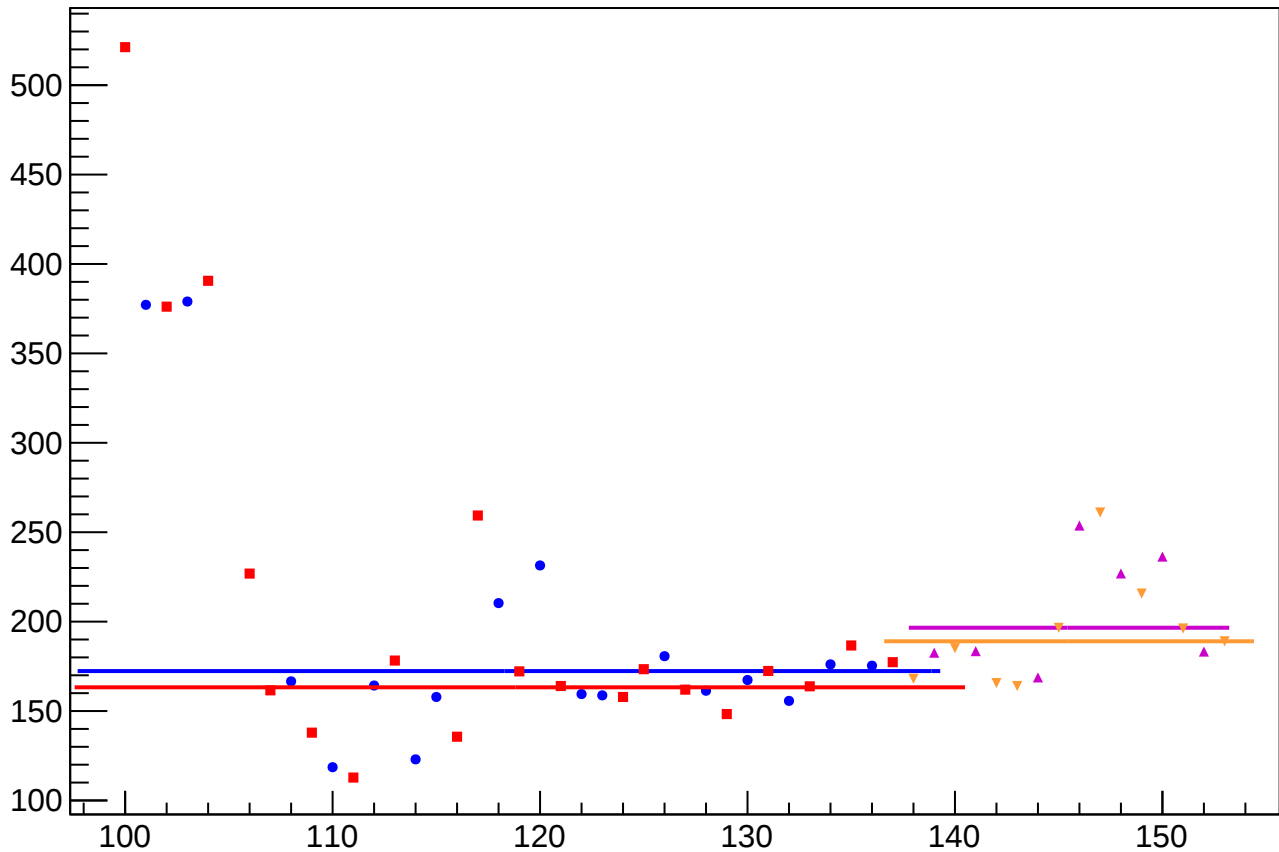
Right Out: 152879.455 $\pm$ 0.066 χ^2 /NDF: 717907168.5/19

Left In: 153669.837 $\pm$ 0.084 χ^2 /NDF: 186481286.7/6

152953.961 $\pm$ 0.052 χ^2 /NDF: 1030305722.8/25

153183.105 $\pm$ 0.052 χ^2 /NDF: 959296727.4/26

yield_bpm0i07WS_rms vs Slug



Right In: 172.351 ± 0.051 χ^2/NDF : 921911.1/16

Left Out: 189.015 ± 0.053 χ^2/NDF : 216777.3/8

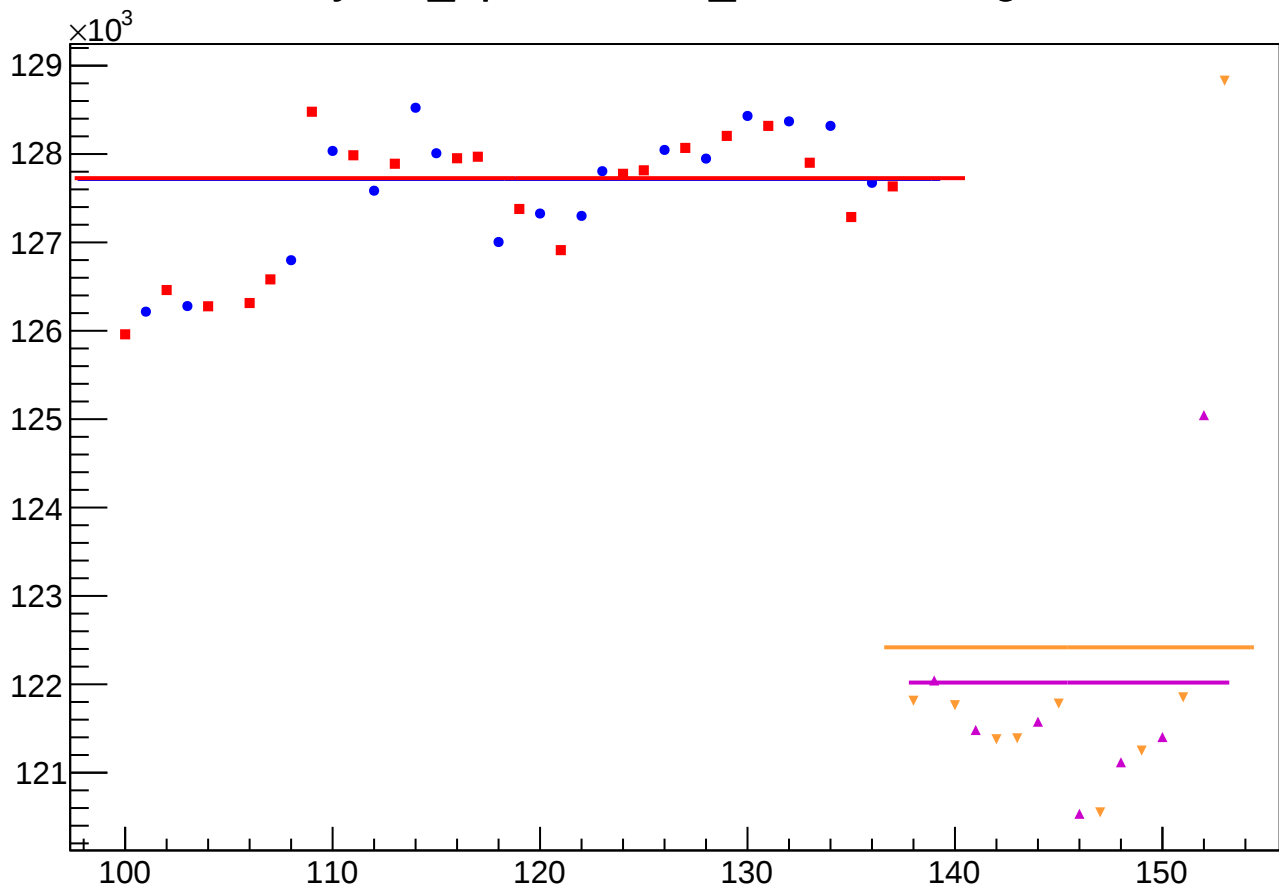
Right Out: 163.273 ± 0.047 χ^2/NDF : 1043440.1/19

Left In: 196.587 ± 0.059 χ^2/NDF : 227541.4/6

180.369 ± 0.037 χ^2/NDF : 1189851.8/25

176.072 ± 0.037 χ^2/NDF : 1466078.1/26

yield_bpm0l01WS_mean vs Slug



Right In: 127717.888 $\pm$ 0.058 χ^2 /NDF: 95177660.2/16

Left Out: 122418.482 $\pm$ 0.065 χ^2 /NDF: 1365909906.6/8

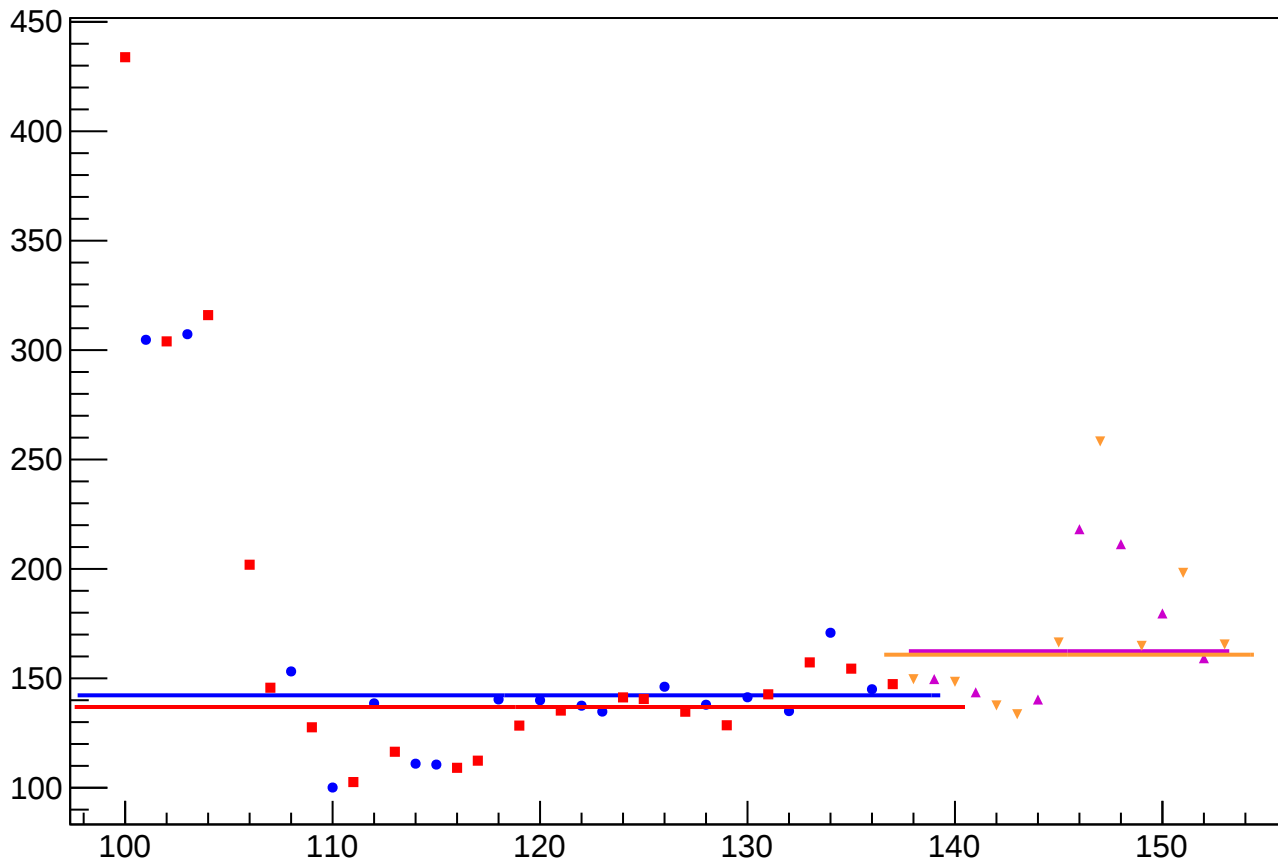
Right Out: 127726.969 $\pm$ 0.054 χ^2 /NDF: 112752557.5/19

Left In: 122019.717 $\pm$ 0.070 χ^2 /NDF: 368955673.3/6

125345.302 $\pm$ 0.043 χ^2 /NDF: 5162284915.0/25

125573.666 $\pm$ 0.043 χ^2 /NDF: 4657641389.9/26

yield_bpm0l01WS_rms vs Slug



Right In: 142.240 $\pm$ 0.041 χ^2 /NDF: 836415.1/16

Left Out: 160.810 $\pm$ 0.046 χ^2 /NDF: 373493.9/8

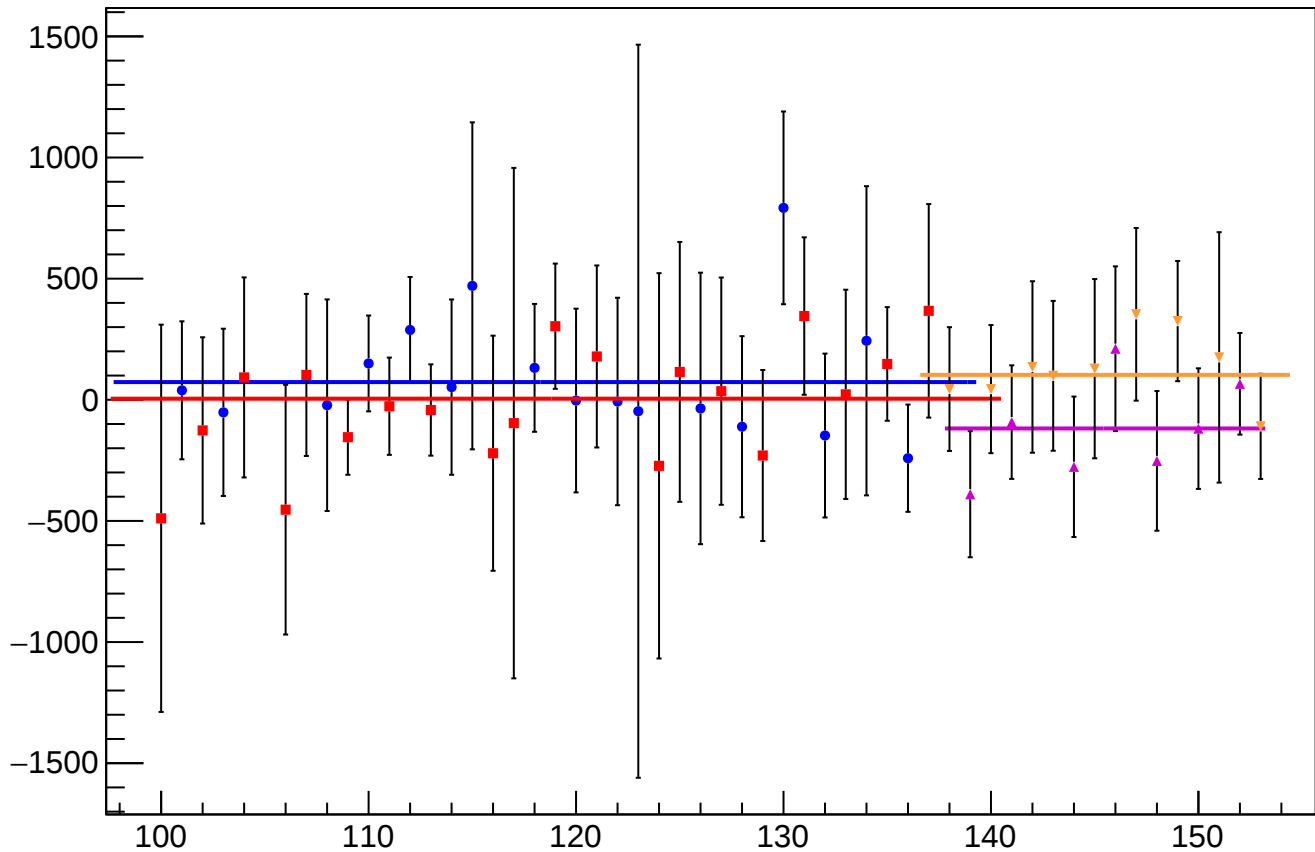
Right Out: 136.904 $\pm$ 0.038 χ^2 /NDF: 961858.5/19

Left In: 162.405 $\pm$ 0.049 χ^2 /NDF: 280591.8/6

150.554 $\pm$ 0.031 χ^2 /NDF: 1300797.8/25

146.525 $\pm$ 0.030 χ^2 /NDF: 1409201.1/26

asym_bcm_an_ds_mean vs Slug



Right In: 73.109+/-79.604 χ^2/NDF : 7.9/16

Left Out: 102.919+/-97.835 χ^2/NDF : 2.4/8

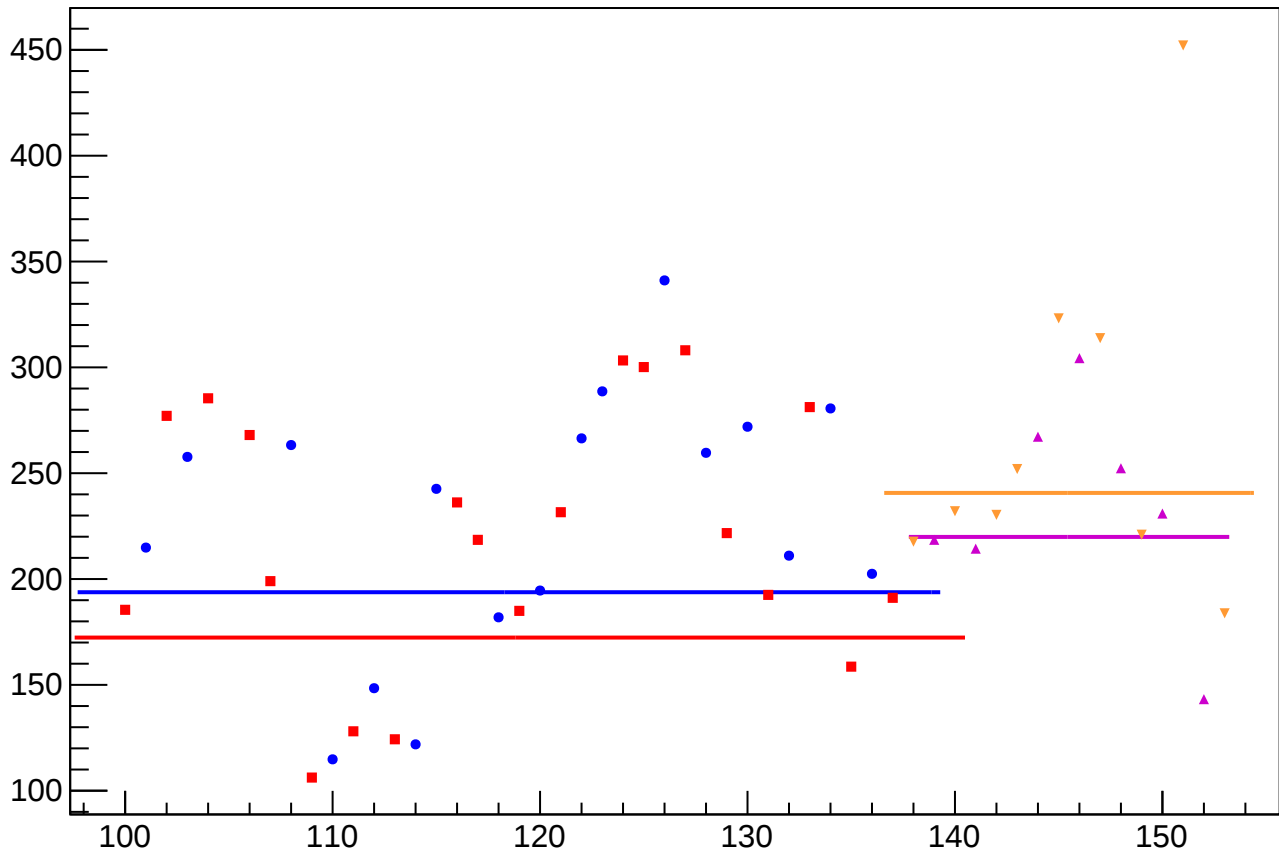
Right Out: 4.574+/-69.944 χ^2/NDF : 7.1/19

Left In: -118.338+/-97.857 χ^2/NDF : 3.3/6

84.983+/-61.747 χ^2/NDF : 10.3/25

-36.986+/-56.903 χ^2/NDF : 11.5/26

asym_bcm_an_ds_rms vs Slug



Right In: 193.773+/-0.056 χ^2/NDF : 1017081.7/16

Left Out: 240.689+/-0.069 χ^2/NDF : 690957.5/8

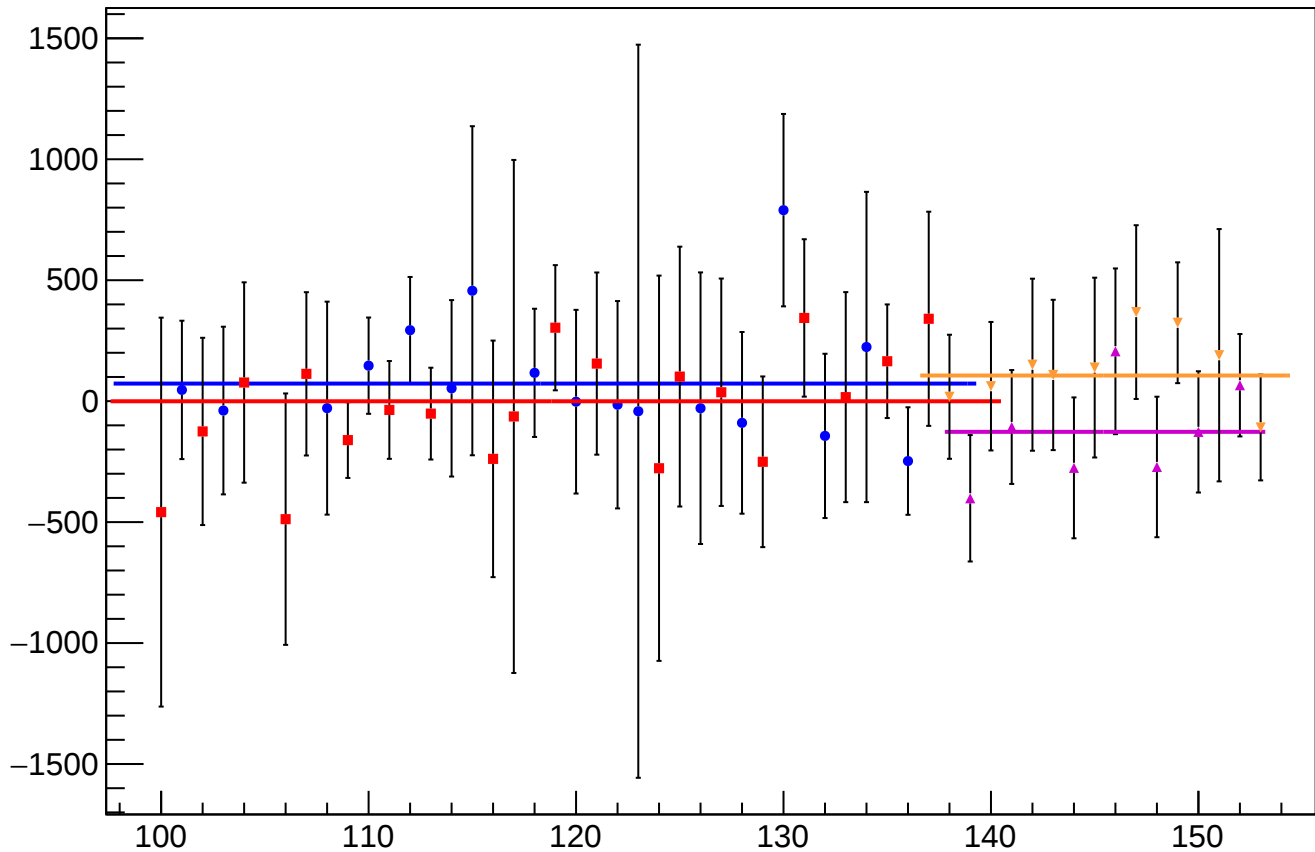
212.461+/-0.044 χ^2/NDF : 1984762.5/25

Right Out: 172.346+/-0.049 χ^2/NDF : 1583893.0/19

188.425+/-0.040 χ^2/NDF : 2370636.7/26

Left In: 219.899+/-0.069 χ^2/NDF : 474160.5/6

asym_bcm_an_ds3_mean vs Slug



Right In: 72.675+/-79.992 χ^2/NDF : 7.8/16

Left Out: 106.057+/-98.415 χ^2/NDF : 2.5/8

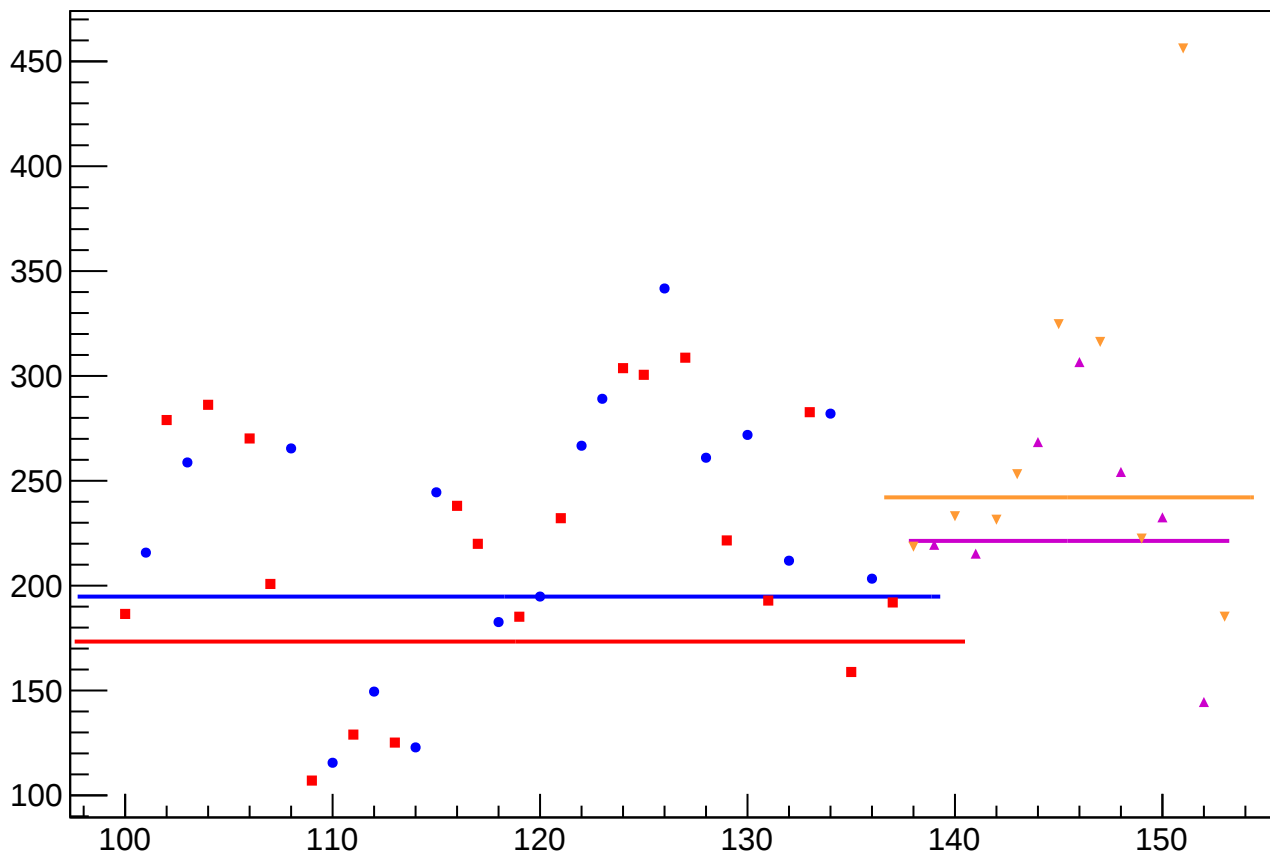
Right Out: -0.459+/-70.312 χ^2/NDF : 7.3/19

Left In: -126.831+/-98.484 χ^2/NDF : 3.4/6

85.955+/-62.074 χ^2/NDF : 10.3/25

-43.125+/-57.224 χ^2/NDF : 11.8/26

asym_bcm_an_ds3_rms vs Slug



Right In: 194.782 $\pm$ 0.057 χ^2 /NDF: 1008292.8/16

Left Out: 242.099 $\pm$ 0.070 χ^2 /NDF: 692014.6/8

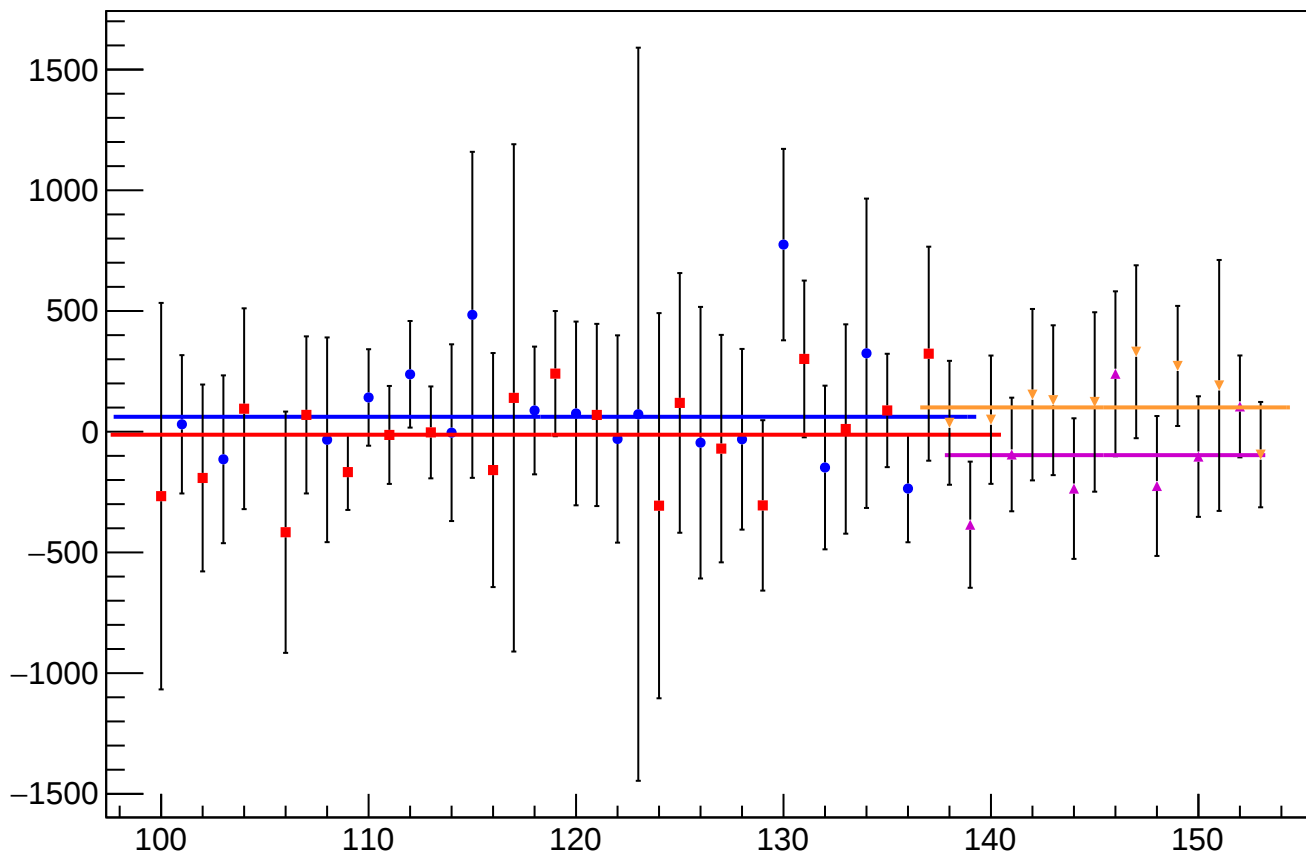
213.606 $\pm$ 0.044 χ^2 /NDF: 1978700.6/25

Right Out: 173.337 $\pm$ 0.050 χ^2 /NDF: 1571436.7/19

189.543 $\pm$ 0.040 χ^2 /NDF: 2356987.0/26

Left In: 221.338 $\pm$ 0.070 χ^2 /NDF: 470850.9/6

asym_bcm_an_us_mean vs Slug



Right In: 61.814 $\pm$ 79.986 χ^2 /NDF: 7.3/16

Left Out: 100.715 $\pm$ 98.259 χ^2 /NDF: 1.9/8

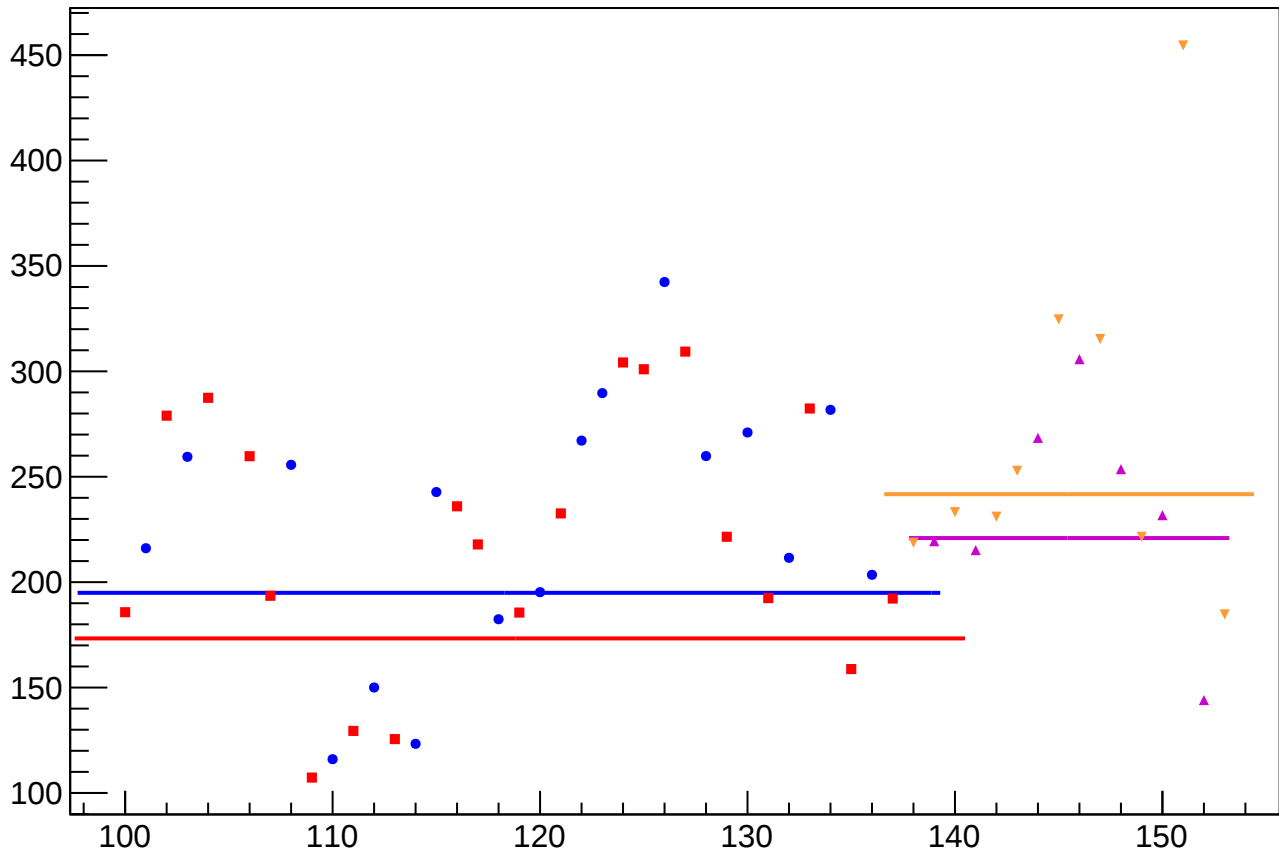
Right Out: -12.417 $\pm$ 70.233 χ^2 /NDF: 5.8/19

Left In: -97.035 $\pm$ 98.302 χ^2 /NDF: 3.5/6

77.318 $\pm$ 62.032 χ^2 /NDF: 9.2/25

-41.013 $\pm$ 57.146 χ^2 /NDF: 9.8/26

asym_bcm_an_us_rms vs Slug



Right In: 194.939+/-0.057 χ^2/NDF : 986629.1/16

Left Out: 241.723+/-0.069 χ^2/NDF : 691808.6/8

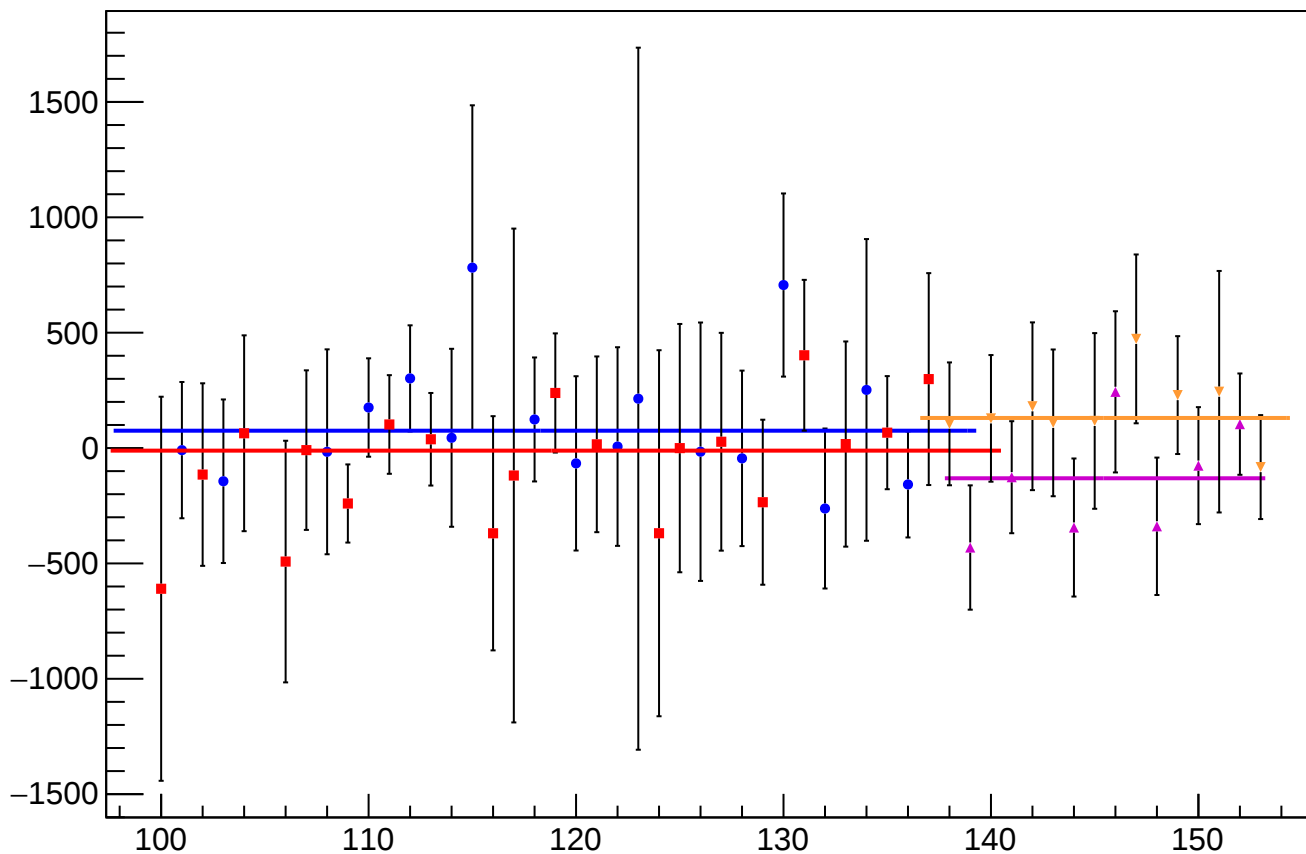
213.585+/-0.044 χ^2/NDF : 1951137.4/25

Right Out: 173.309+/-0.050 χ^2/NDF : 1548342.3/19

189.398+/-0.040 χ^2/NDF : 2331482.3/26

Left In: 220.918+/-0.070 χ^2/NDF : 472559.3/6

asym_bcm_dg_us_mean vs Slug



Right In: 75.207 $\pm$ 82.504 χ^2 /NDF: 7.6/16

Left Out: 130.413 $\pm$ 101.062 χ^2 /NDF: 2.0/8

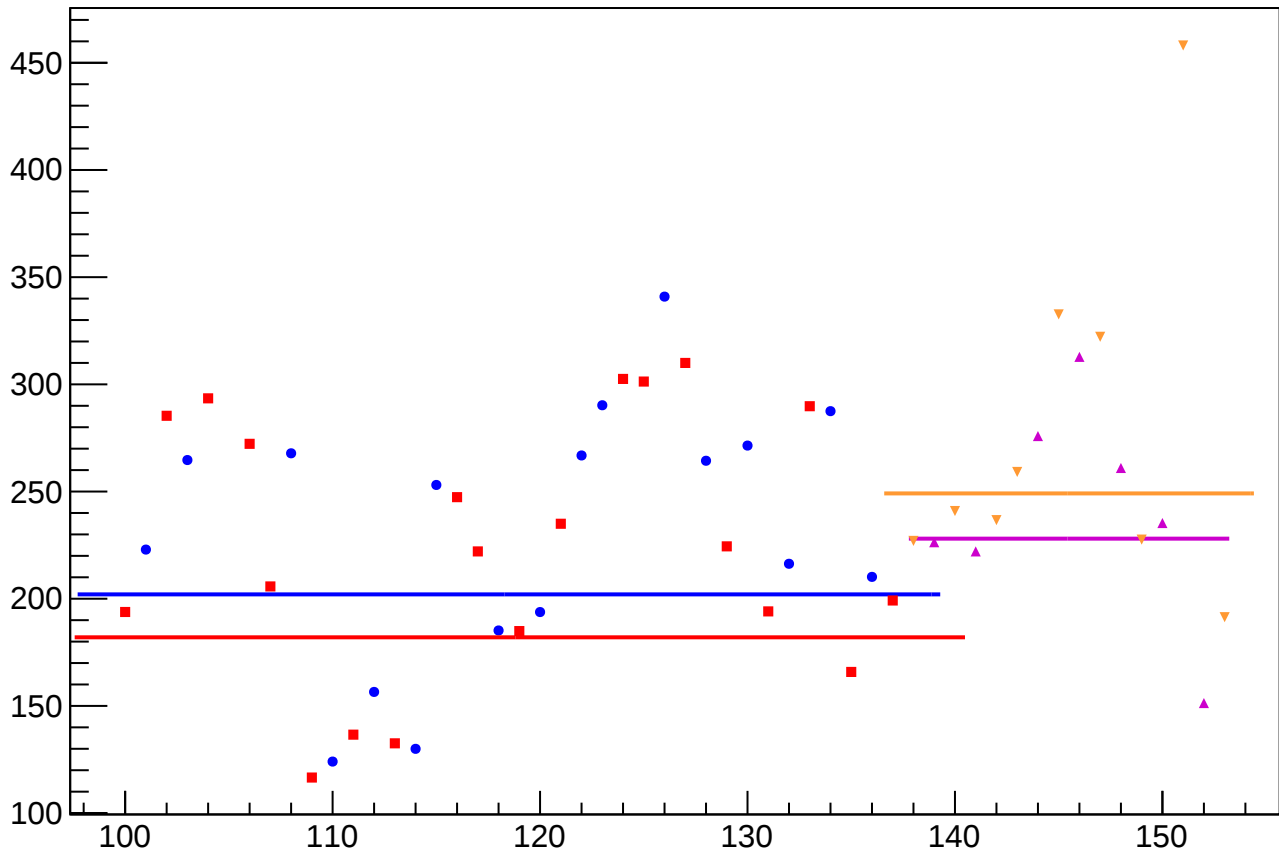
Right Out: -11.180 $\pm$ 73.166 χ^2 /NDF: 7.8/19

Left In: -130.968 $\pm$ 101.170 χ^2 /NDF: 4.6/6

97.285 $\pm$ 63.912 χ^2 /NDF: 9.8/25

-52.317 $\pm$ 59.287 χ^2 /NDF: 13.3/26

asym_bcm_dg_us_rms vs Slug



Right In: 202.029+/-0.058 χ^2/NDF : 881608.7/16

Left Out: 249.125+/-0.071 χ^2/NDF : 660499.2/8

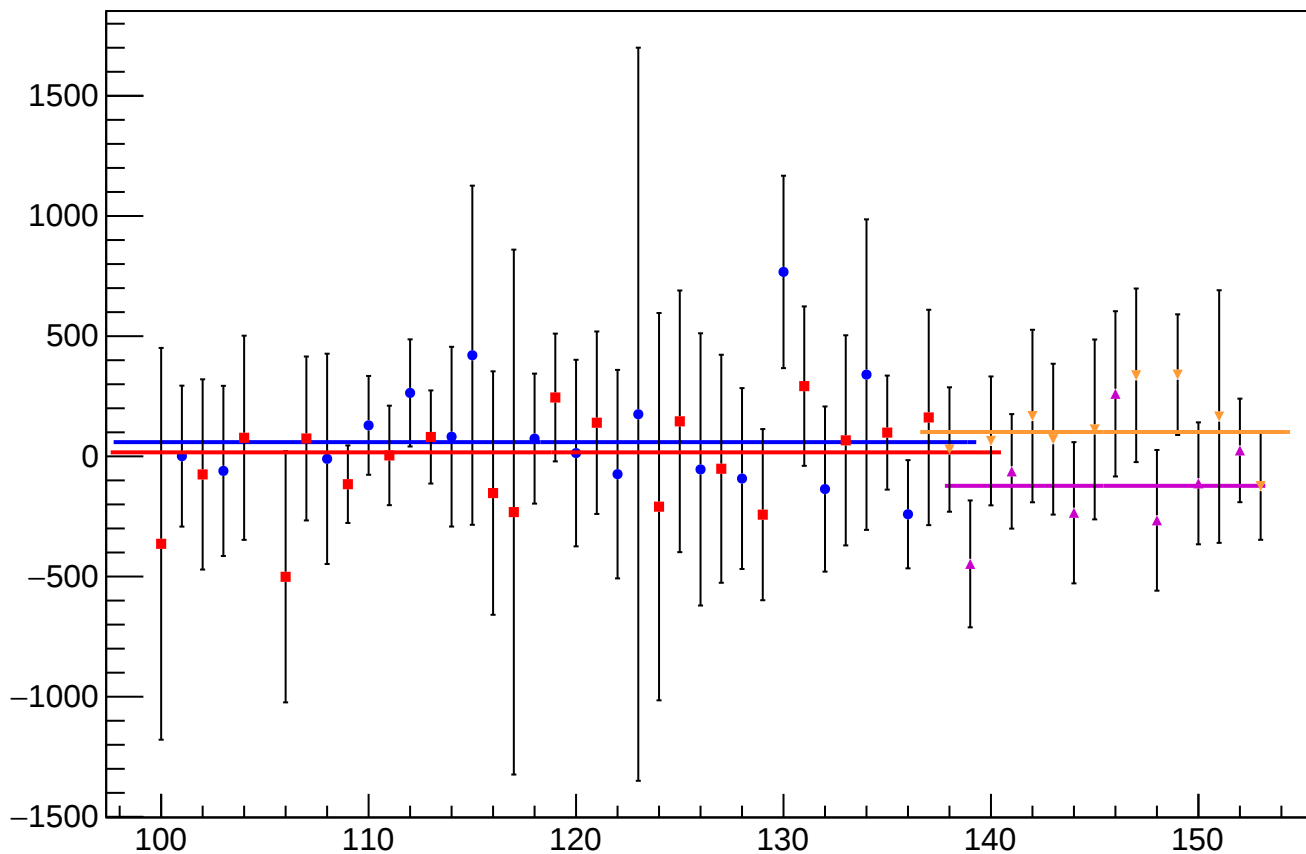
220.864+/-0.045 χ^2/NDF : 1802730.7/25

Right Out: 182.000+/-0.052 χ^2/NDF : 1380354.3/19

197.806+/-0.042 χ^2/NDF : 2092664.1/26

Left In: 228.026+/-0.072 χ^2/NDF : 440513.1/6

asym_bcm_dg_ds_mean vs Slug



Right In: 59.175 ± 81.417 χ^2/NDF : 7.1/16

Left Out: 101.368 ± 99.451 χ^2/NDF : 2.5/8

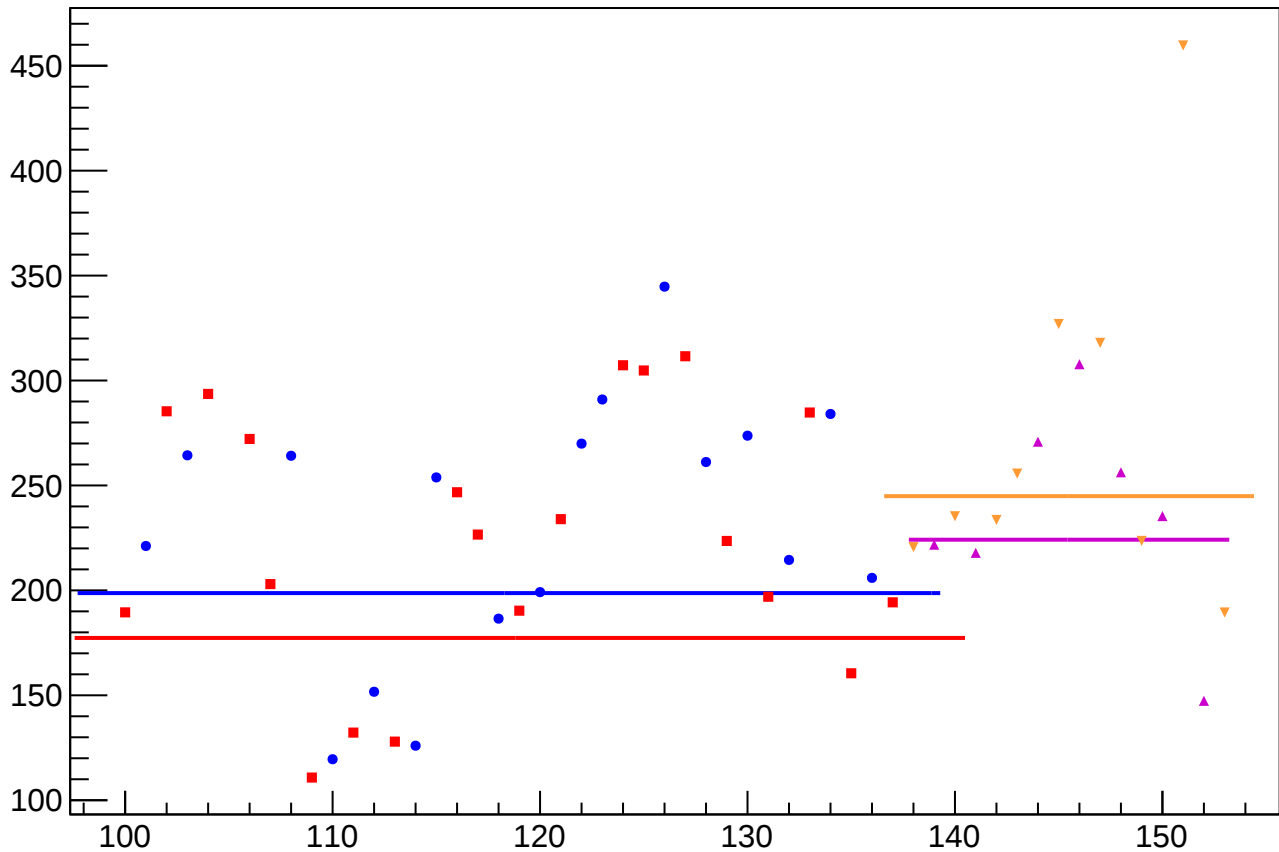
Right Out: 16.650 ± 71.745 χ^2/NDF : 4.7/19

Left In: -122.572 ± 99.606 χ^2/NDF : 3.7/6

76.106 ± 62.998 χ^2/NDF : 9.8/25

-30.907 ± 58.215 χ^2/NDF : 9.7/26

asym_bcm_dg_ds_rms vs Slug



Right In: 198.704 +/- 0.058 χ^2/NDF : 963394.4/16

Left Out: 244.897 +/- 0.070 χ^2/NDF : 674180.6/8

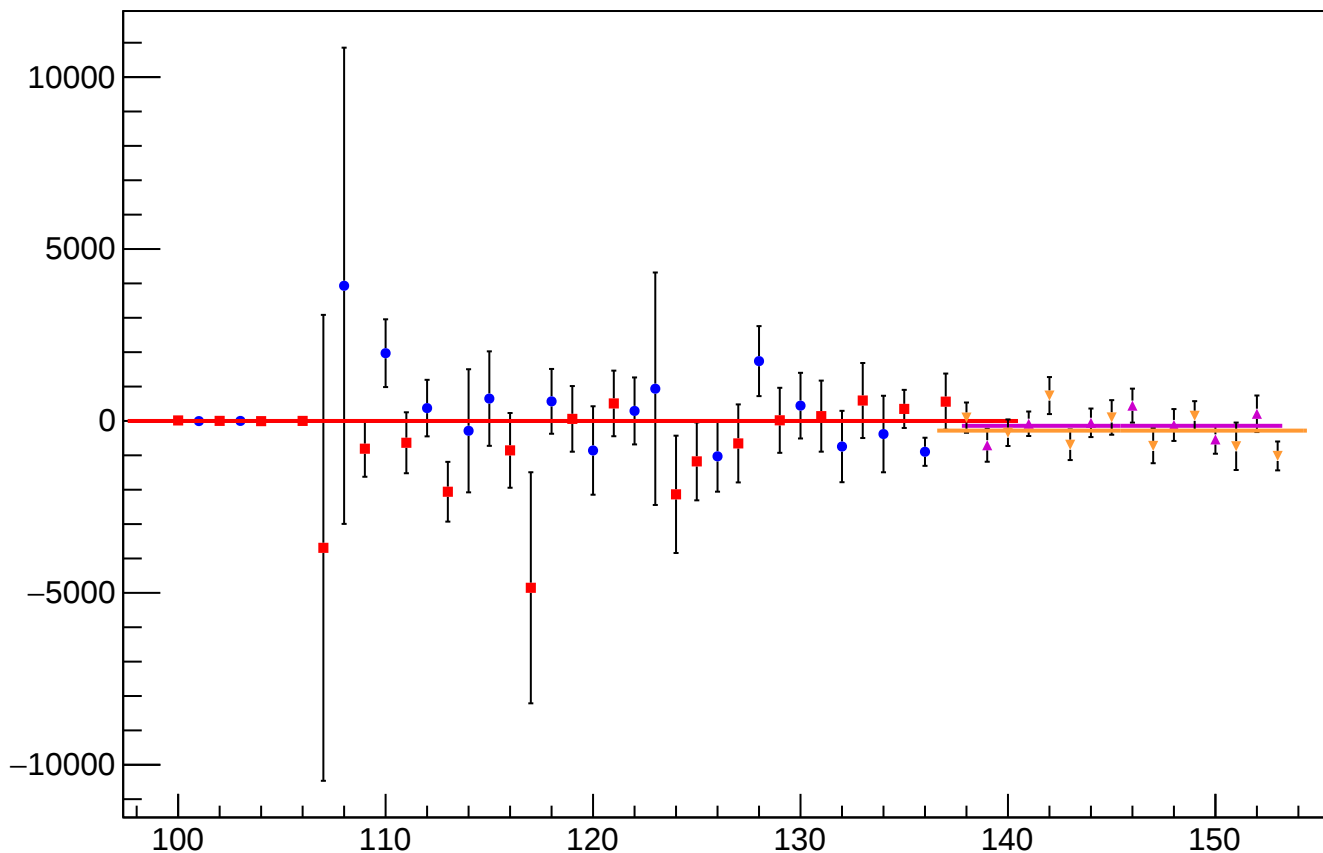
Right Out: 177.338 +/- 0.051 χ^2/NDF : 1528976.8/19

Left In: 224.144 +/- 0.070 χ^2/NDF : 452522.3/6

217.240 +/- 0.045 χ^2/NDF : 1895921.7/25

193.327 +/- 0.041 χ^2/NDF : 2272270.5/26

asym_cav4bQ_mean vs Slug



Right In: -1.529+/-2.251 χ^2/NDF : 16.6/16

Left Out: -281.235+/-155.162 χ^2/NDF : 11.1/8

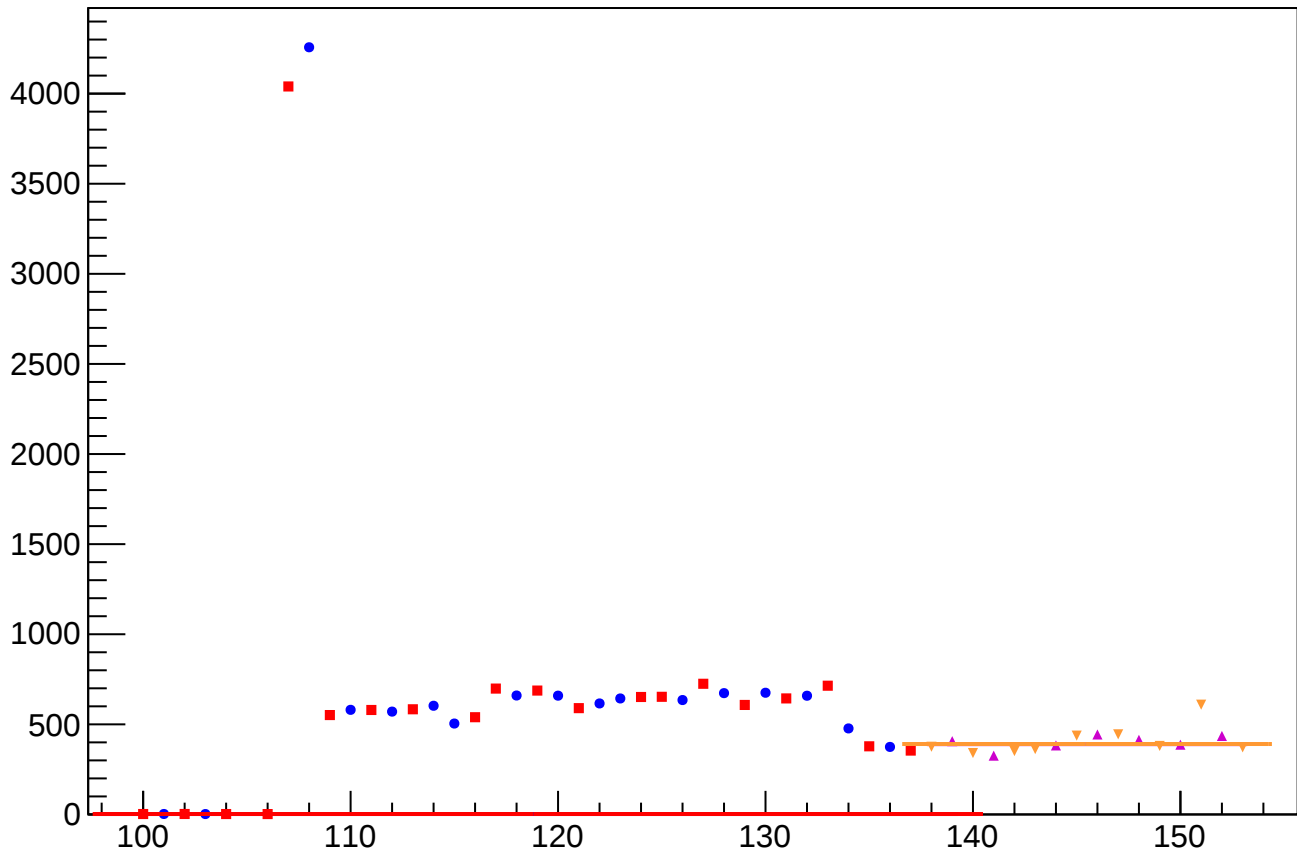
Right Out: -0.733+/-2.111 χ^2/NDF : 20.5/19

Left In: -141.284+/-166.508 χ^2/NDF : 4.2/6

-1.588+/-2.251 χ^2/NDF : 31.0/25

-0.756+/-2.111 χ^2/NDF : 25.4/26

asym_cav4bQ_rms vs Slug



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 390.893+/-0.110 χ^2/NDF : 299876.5/8

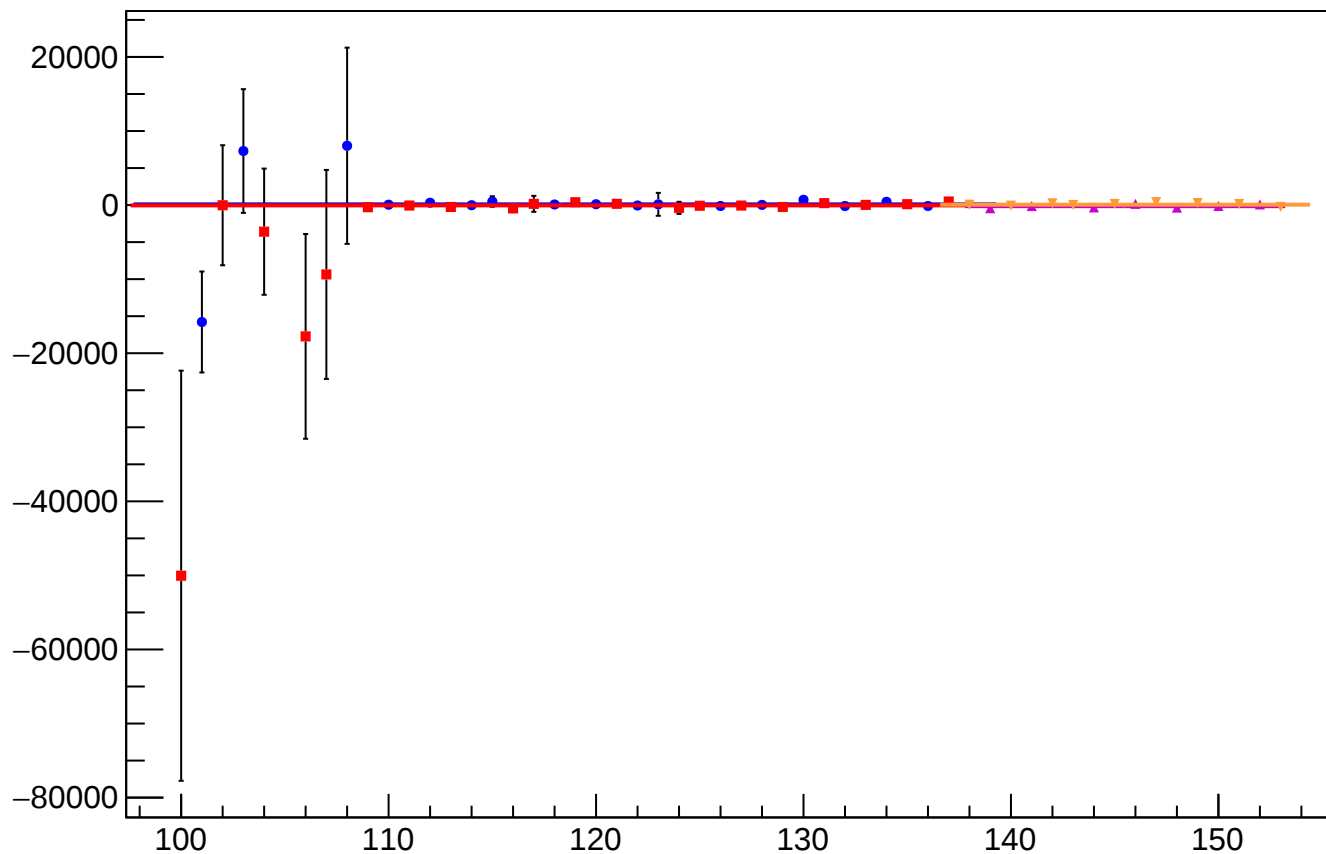
Right Out: 2.437+/-0.001 χ^2/NDF : 11225999.1/19

Left In: 390.232+/-0.118 χ^2/NDF : 110972.5/6

2.538+/-0.002 χ^2/NDF : 23537906.8/25

2.499+/-0.001 χ^2/NDF : 22183640.0/26

asym_cav4cQ_mean vs Slug



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: 54.603+/-105.337 χ^2/NDF : 3.5/8

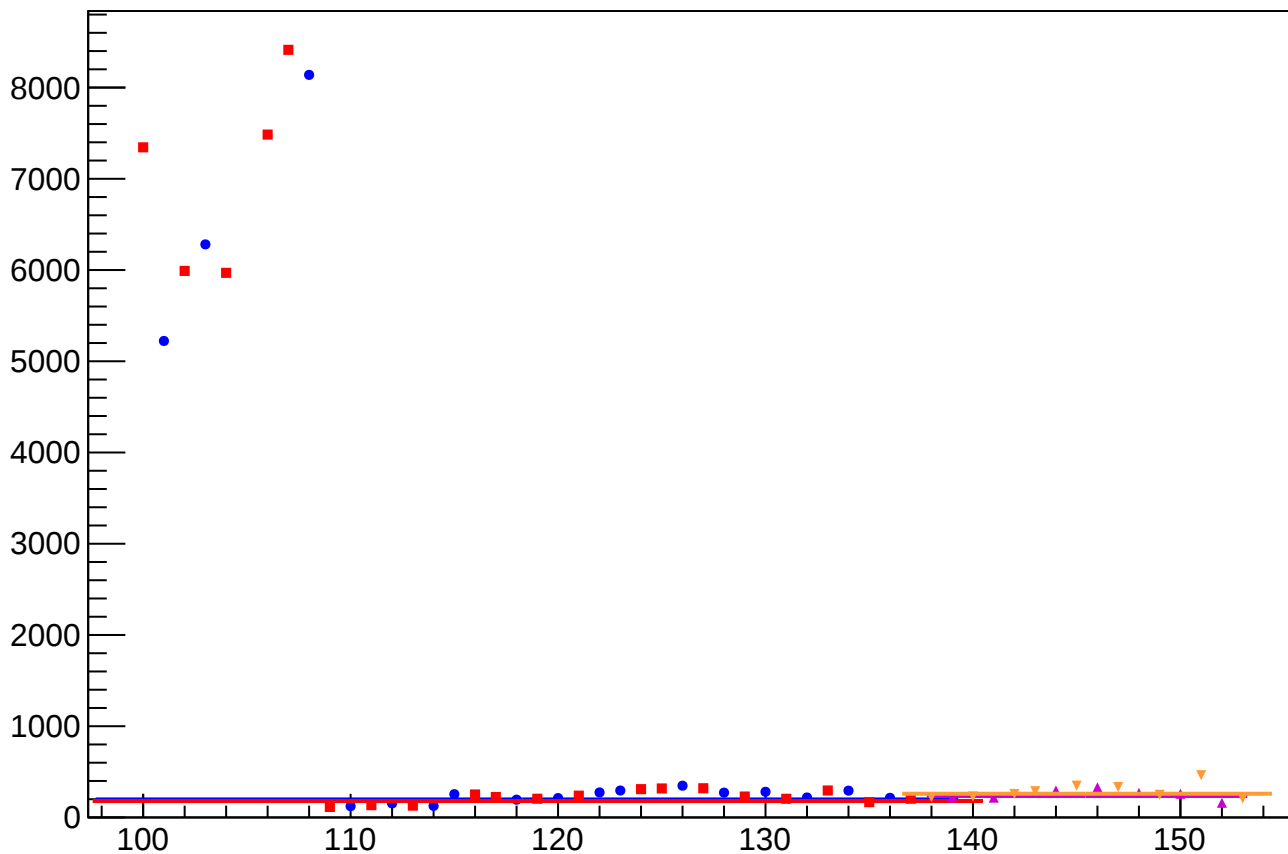
Right Out: -41.335+/-84.288 χ^2/NDF : 14.0/19

Left In: -146.161+/-104.524 χ^2/NDF : 3.6/6

77.783+/-69.167 χ^2/NDF : 15.6/25

-82.641+/-65.612 χ^2/NDF : 18.2/26

asym_cav4cQ_rms vs Slug



Right In: 197.422+/-0.065 χ^2/NDF : 3695848.3/16

Left Out: 259.973+/-0.074 χ^2/NDF : 642721.3/8

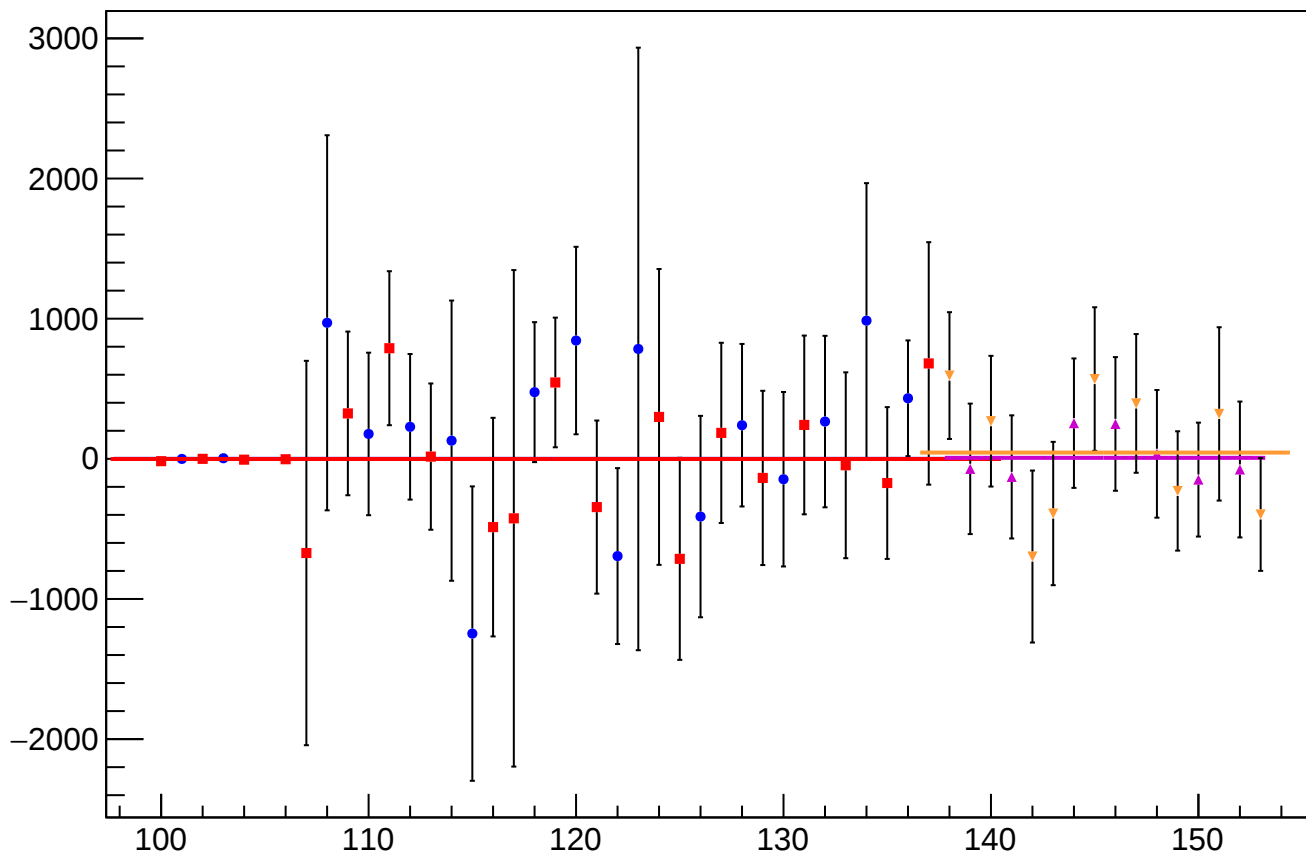
Right Out: 180.250+/-0.060 χ^2/NDF : 4324682.8/19

Left In: 235.583+/-0.074 χ^2/NDF : 468595.8/6

224.392+/-0.049 χ^2/NDF : 4739742.4/25

202.054+/-0.046 χ^2/NDF : 5132907.2/26

asym_cav4dQ_mean vs Slug



Right In: -0.139 ± 1.737 χ^2/NDF : 9.8/16

Left Out: 44.650 ± 161.878 χ^2/NDF : 7.3/8

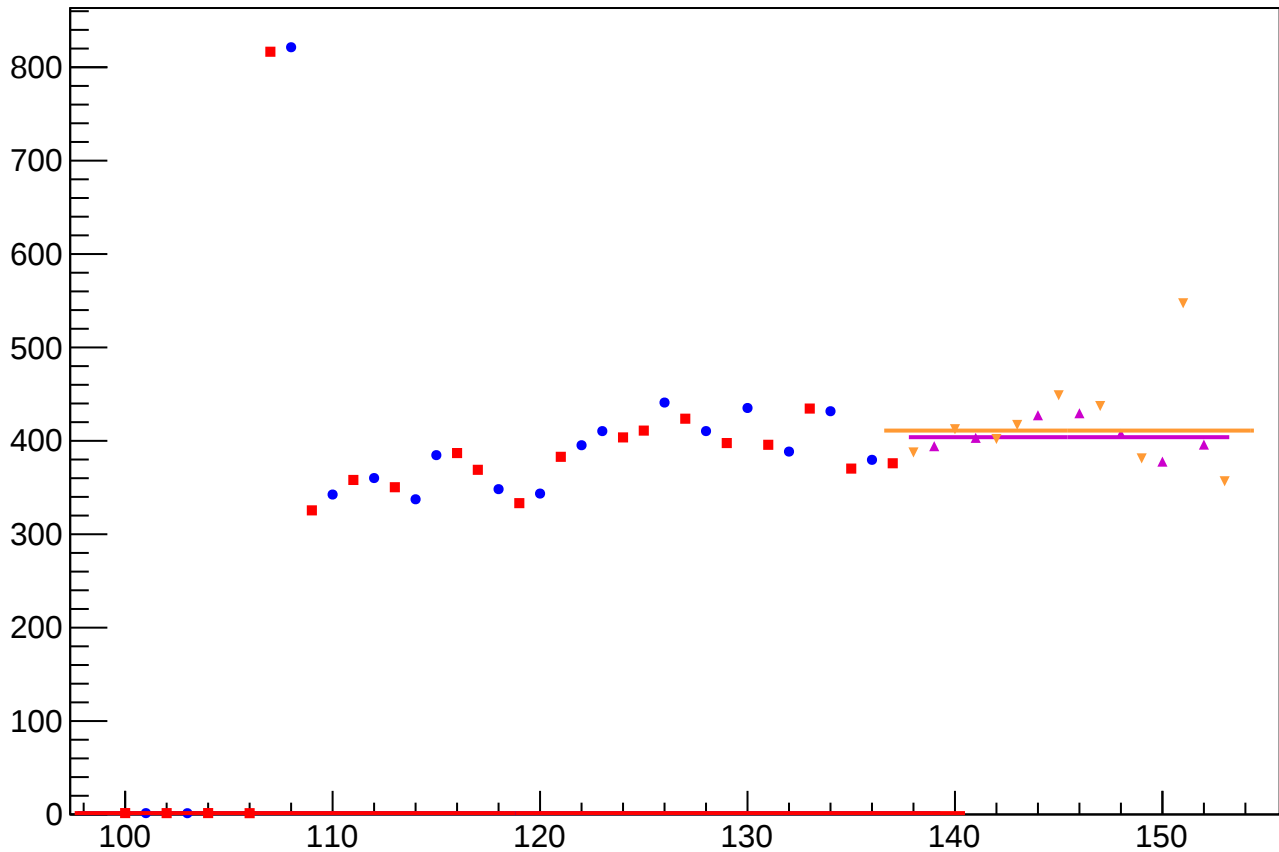
Right Out: -1.324 ± 1.623 χ^2/NDF : 9.6/19

Left In: 7.022 ± 171.459 χ^2/NDF : 0.8/6

-0.134 ± 1.737 χ^2/NDF : 17.1/25

-1.323 ± 1.622 χ^2/NDF : 10.4/26

asym_cav4dQ_rms vs Slug



Right In: 1.452+/-0.001 χ^2/NDF : 10815892.9/16

Left Out: 410.994+/-0.114 χ^2/NDF :165848.2/8

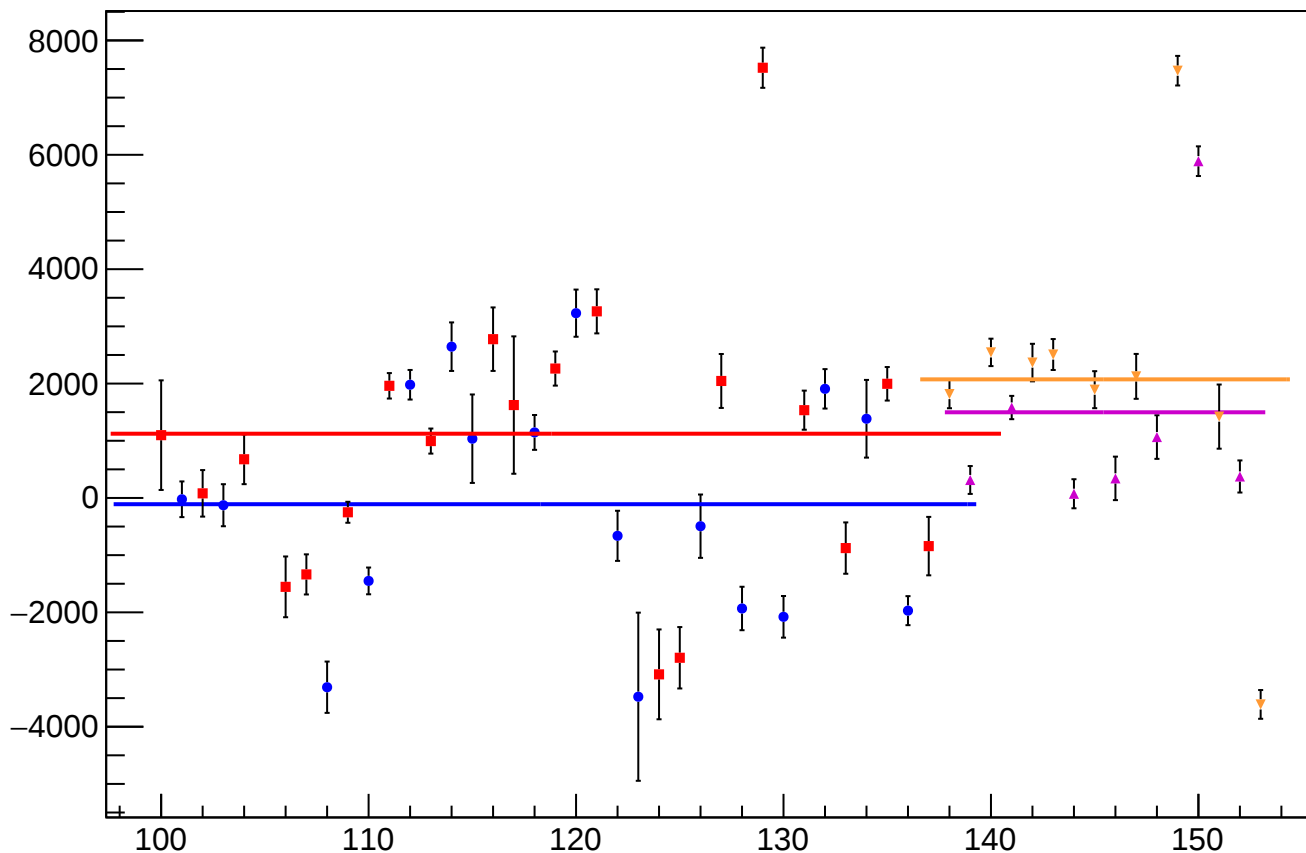
Right Out: 1.451+/-0.001 χ^2/NDF : 10959647.1/19

Left In: 403.922+/-0.121 χ^2/NDF :20760.6/6

1.499+/-0.001 χ^2/NDF : 23781471.0/25

1.487+/-0.001 χ^2/NDF : 21999251.3/26

asym_bcm0l02_mean vs Slug



Right In: -109.225+/-87.961 χ^2/NDF : 428.3/16

Left Out: 2073.624+/-96.862 χ^2/NDF : 955.9/8

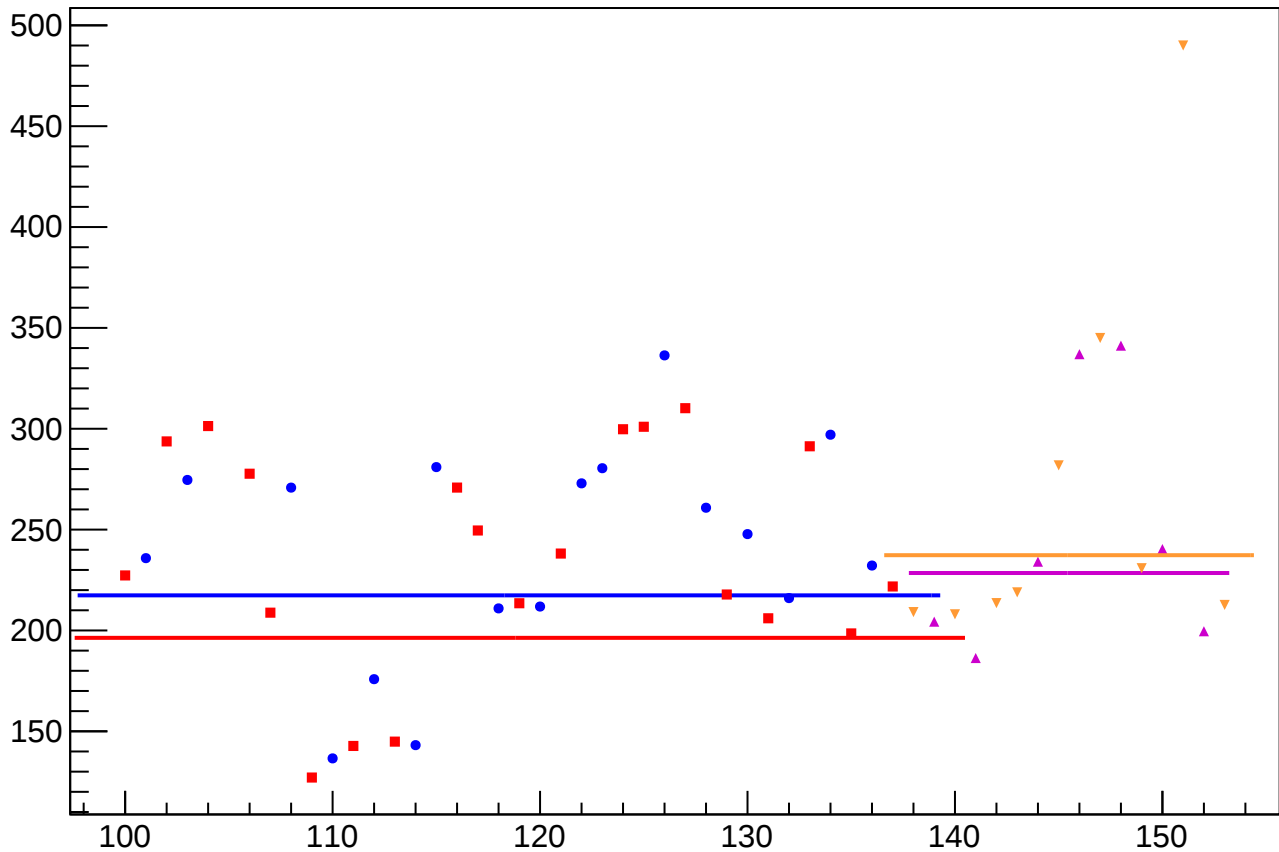
Right Out: 1123.337+/-78.230 χ^2/NDF : 670.2/19

Left In: 1497.953+/-101.129 χ^2/NDF : 368.1/6

877.324+/-65.118 χ^2/NDF : 1662.6/25

1263.584+/-61.877 χ^2/NDF : 1046.9/26

asym_bcm0l02_rms vs Slug



Right In: 217.403+/-0.062 χ^2/NDF : 652632.9/16

Left Out: 237.315+/-0.068 χ^2/NDF : 690292.7/8

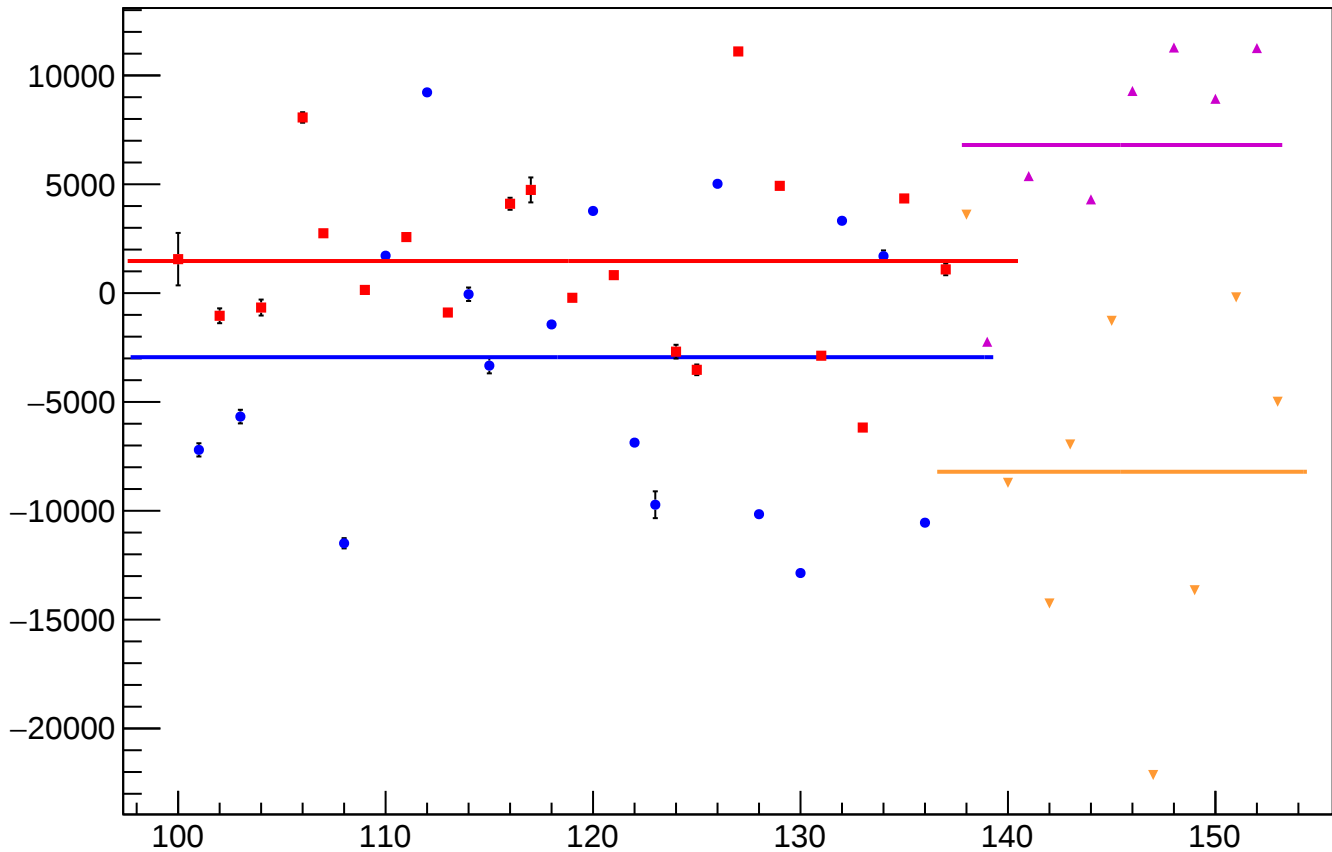
226.402+/-0.046 χ^2/NDF : 1389248.2/25

Right Out: 196.339+/-0.055 χ^2/NDF : 1194805.7/19

208.372+/-0.044 χ^2/NDF : 1790266.9/26

Left In: 228.482+/-0.072 χ^2/NDF : 469054.2/6

asym_bpm2i01WS_mean vs Slug



Right In: -2943.123+/-48.612 χ^2/NDF : 20909.8/16

Left Out: -8206.540+/-47.729 χ^2/NDF : 26871.4/8

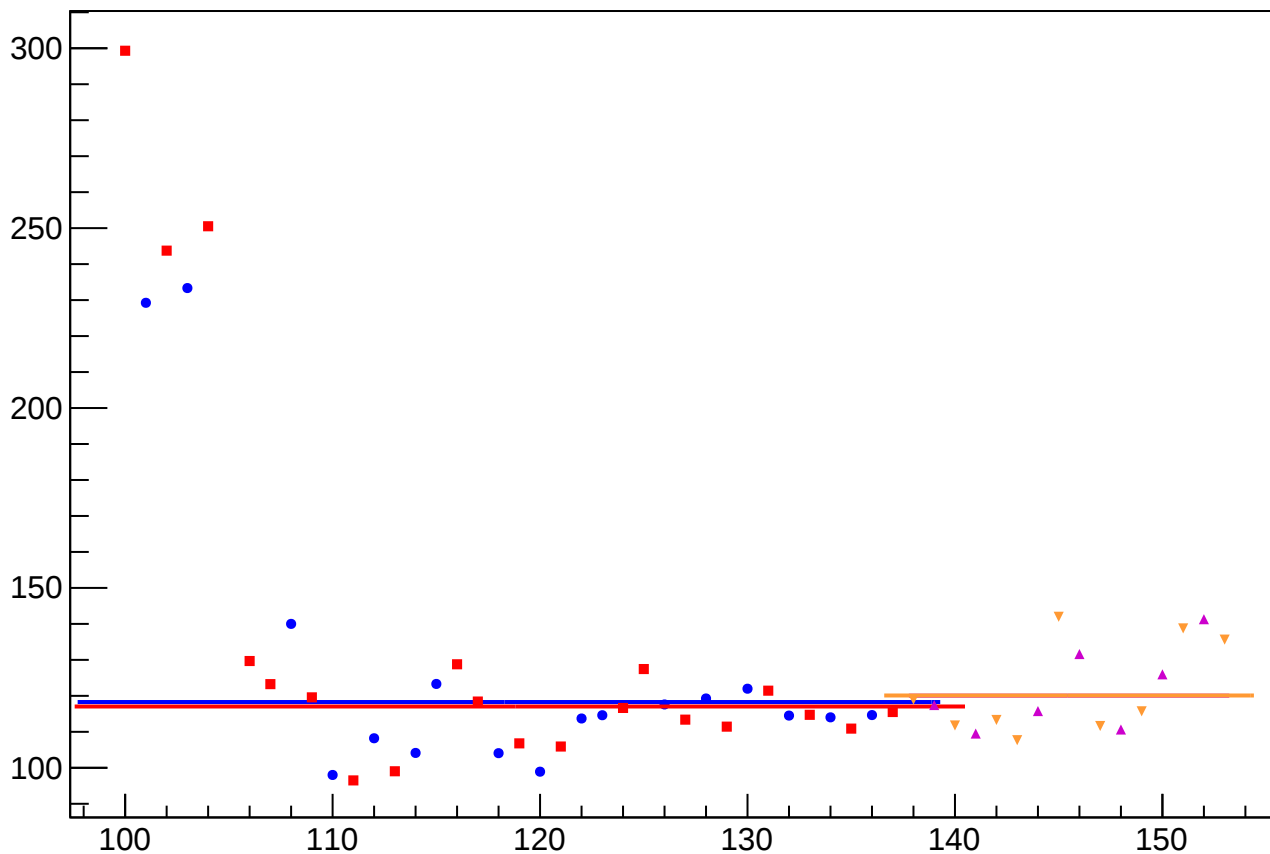
Right Out: 1474.497+/-46.252 χ^2/NDF : 8028.6/19

Left In: 6804.319+/-50.930 χ^2/NDF : 7213.9/6

-5623.082+/-34.057 χ^2/NDF : 53750.2/25

3883.465+/-34.240 χ^2/NDF : 21244.2/26

asym_bpm2i01WS_rms vs Slug



Right In: 118.286+/-0.034 χ^2/NDF : 636918.0/16

Left Out: 120.100+/-0.034 χ^2/NDF :124341.2/8

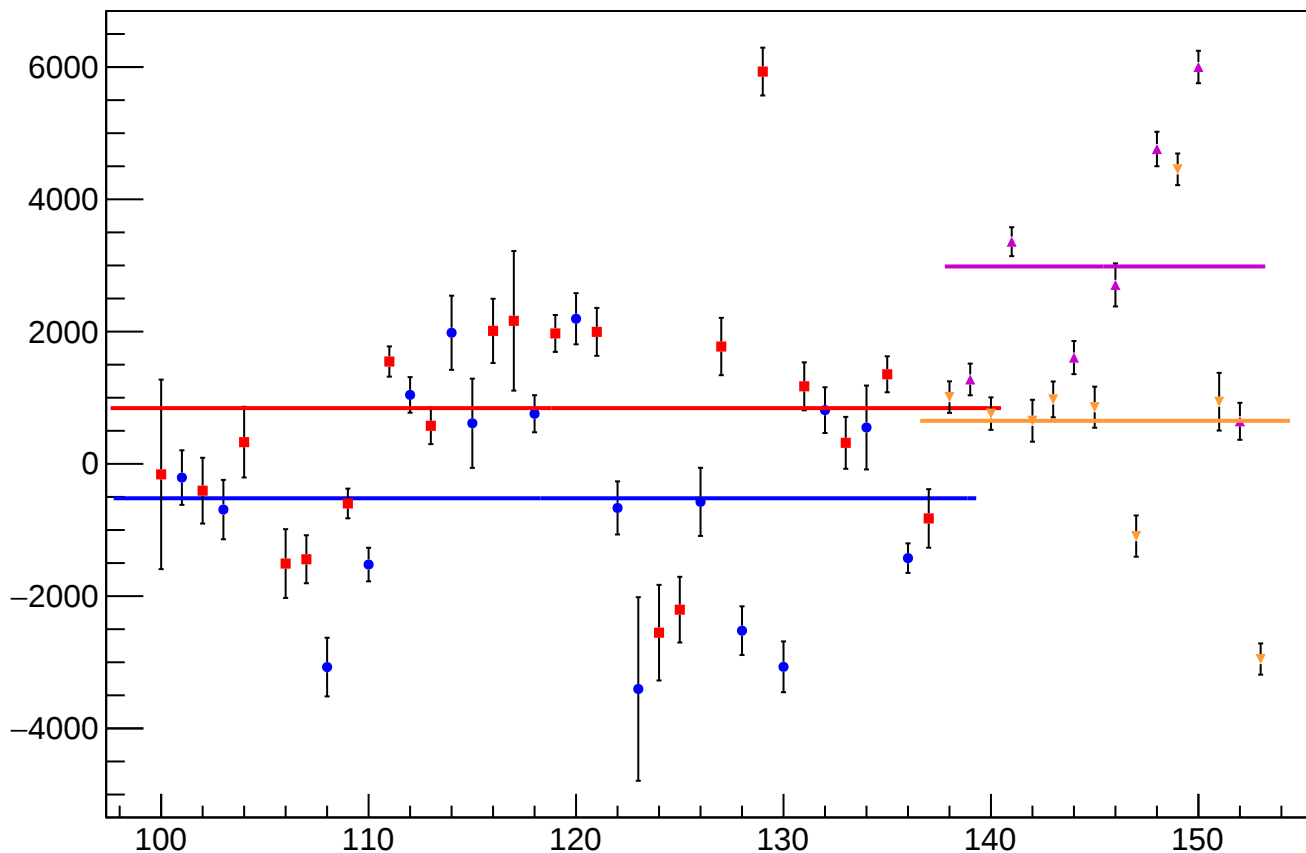
Right Out: 117.040+/-0.033 χ^2/NDF : 690873.1/19

Left In: 120.050+/-0.036 χ^2/NDF :82772.9/6

119.210+/-0.024 χ^2/NDF : 762678.7/25

118.401+/-0.024 χ^2/NDF : 777472.7/26

asym_bpm0i07WS_mean vs Slug



Right In: -520.267 $\pm$ 89.241 χ^2 /NDF: 288.1/16

Left Out: 651.018 $\pm$ 91.652 χ^2 /NDF: 521.5/8

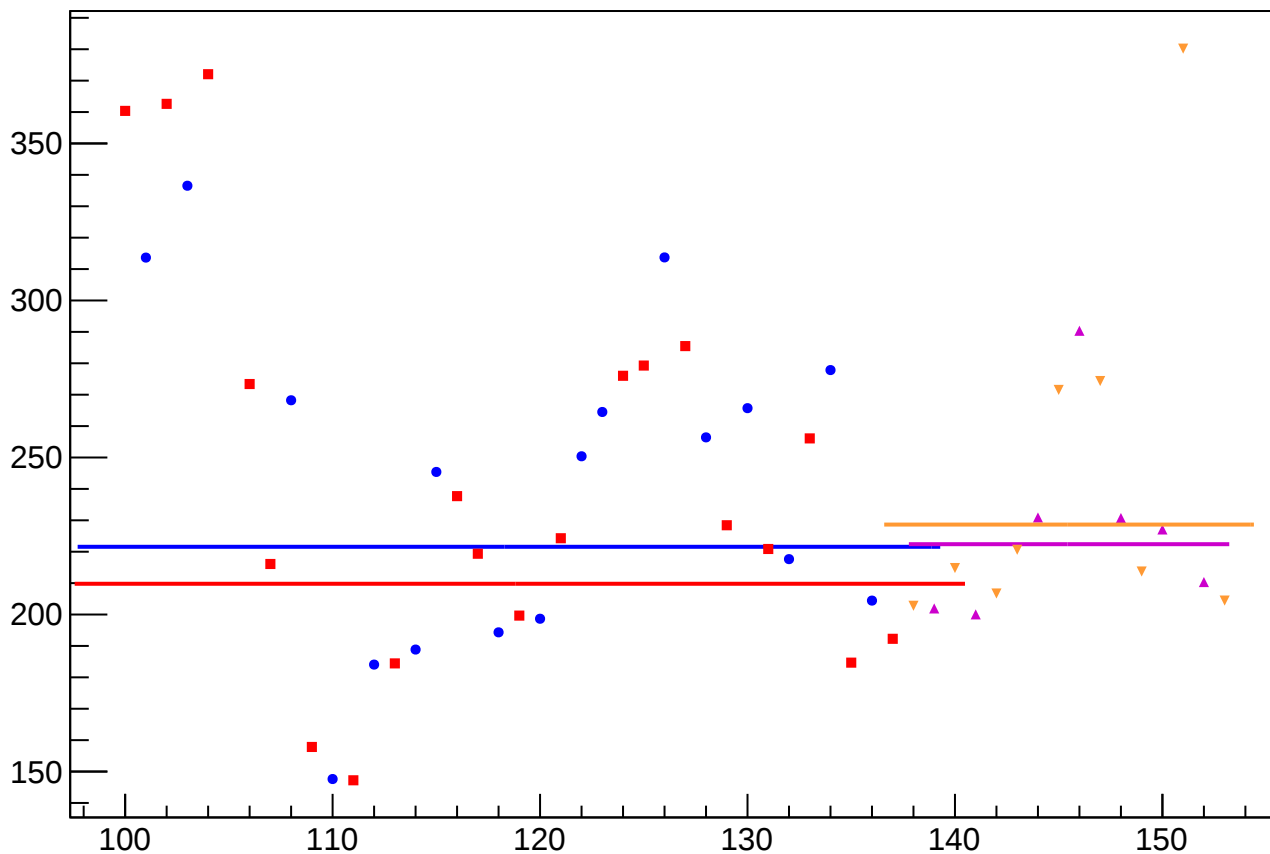
Right Out: 842.858 $\pm$ 82.024 χ^2 /NDF: 436.3/19

Left In: 2984.906 $\pm$ 96.253 χ^2 /NDF: 352.9/6

49.768 $\pm$ 63.938 χ^2 /NDF: 893.5/25

1744.004 $\pm$ 62.431 χ^2 /NDF: 1076.1/26

asym_bpm0i07WS_rms vs Slug



Right In: 221.570 ± 0.063 χ^2/NDF : 644941.4/16

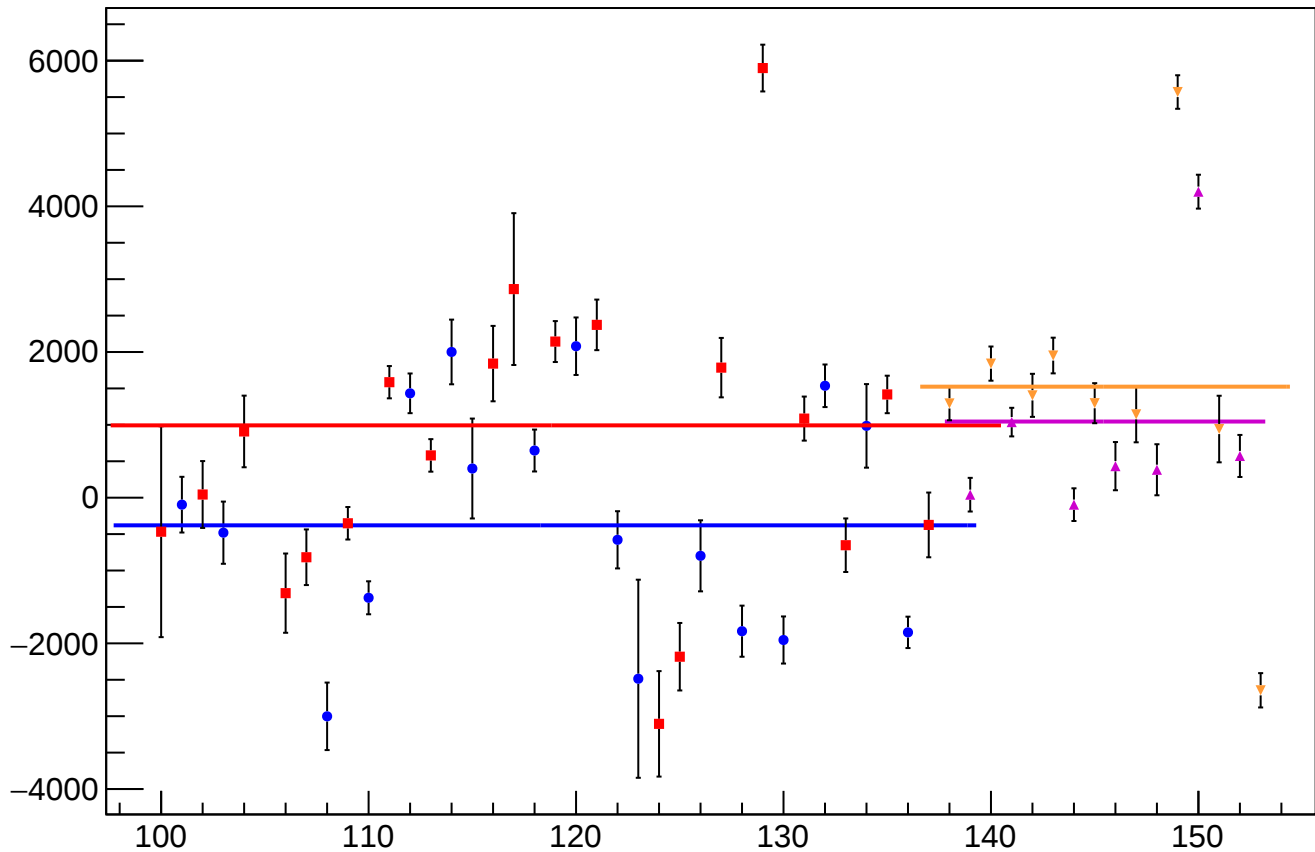
Left Out: 228.645 ± 0.065 χ^2/NDF : 392354.8/8

Right Out: 209.794 ± 0.058 χ^2/NDF : 884087.4/19

Left In: 222.398 ± 0.068 χ^2/NDF : 131508.2/6

225.013 ± 0.045 χ^2/NDF : 1043414.3/25

215.096 ± 0.044 χ^2/NDF : 1035460.9/26



Right In: -379.647+/-84.260 χ^2/NDF : 317.2/16

Left Out: 1524.263+/-88.858 χ^2/NDF : 630.8/8

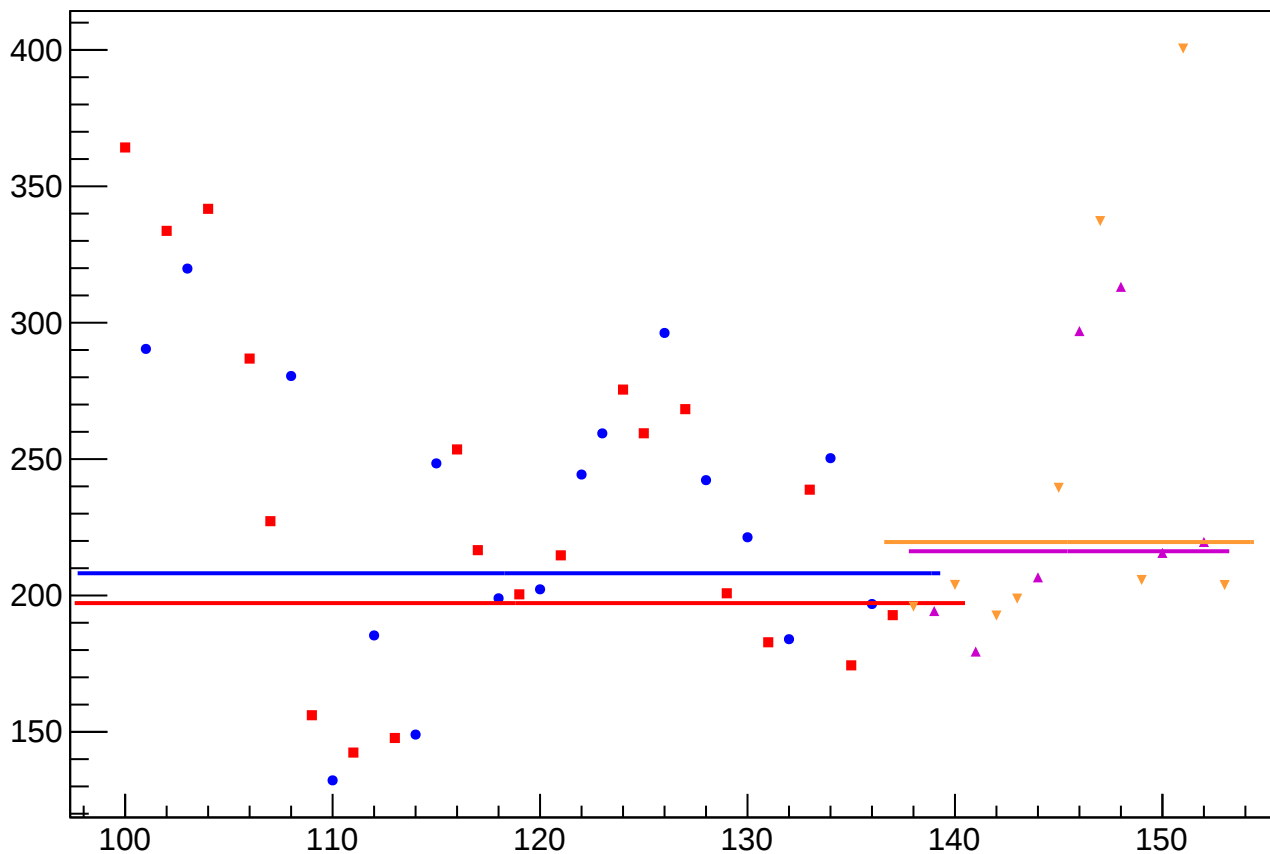
Right Out: 992.944+/-77.509 χ^2/NDF : 479.5/19

Left In: 1045.418+/-94.361 χ^2/NDF : 238.5/6

521.773+/-61.141 χ^2/NDF : 1189.7/25

1014.085+/-59.894 χ^2/NDF : 718.1/26

asym_bpm0l01WS_rms vs Slug



Right In: 208.151+/-0.060 χ^2/NDF : 699084.2/16

Left Out: 219.594+/-0.063 χ^2/NDF : 589031.2/8

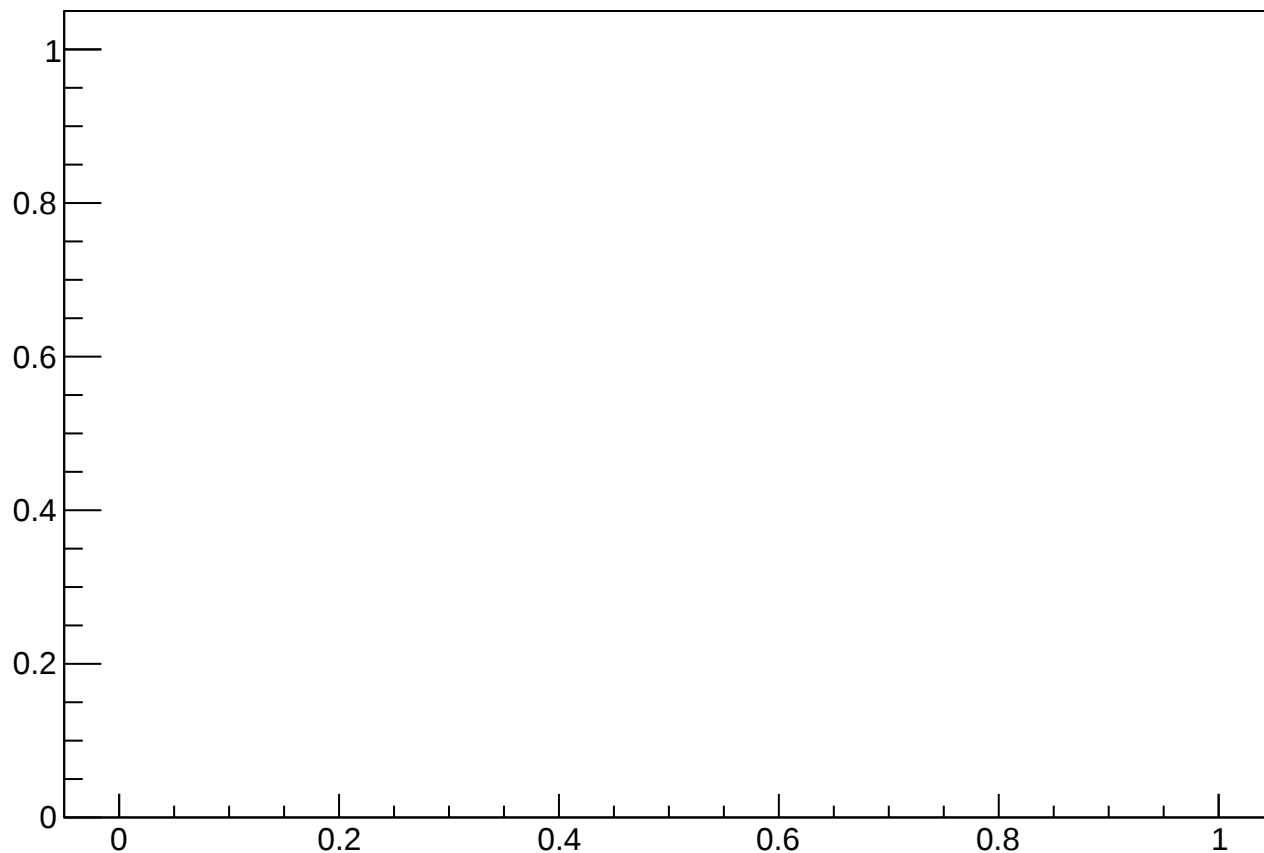
Right Out: 197.210+/-0.055 χ^2/NDF : 927165.0/19

Left In: 216.222+/-0.067 χ^2/NDF : 364082.5/6

213.569+/-0.043 χ^2/NDF : 1305579.7/25

204.870+/-0.042 χ^2/NDF : 1339725.1/26

bcm_an_us_ds_dd_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

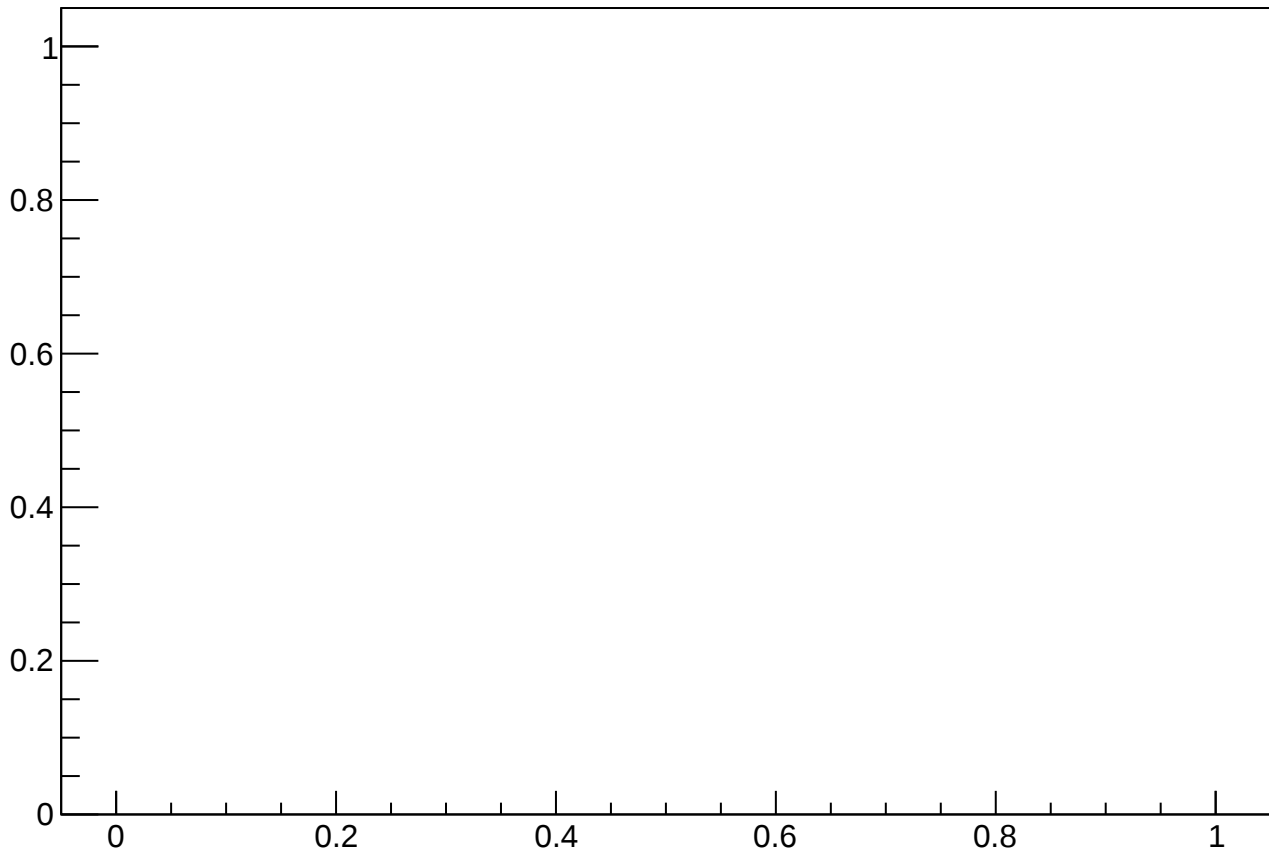
Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 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

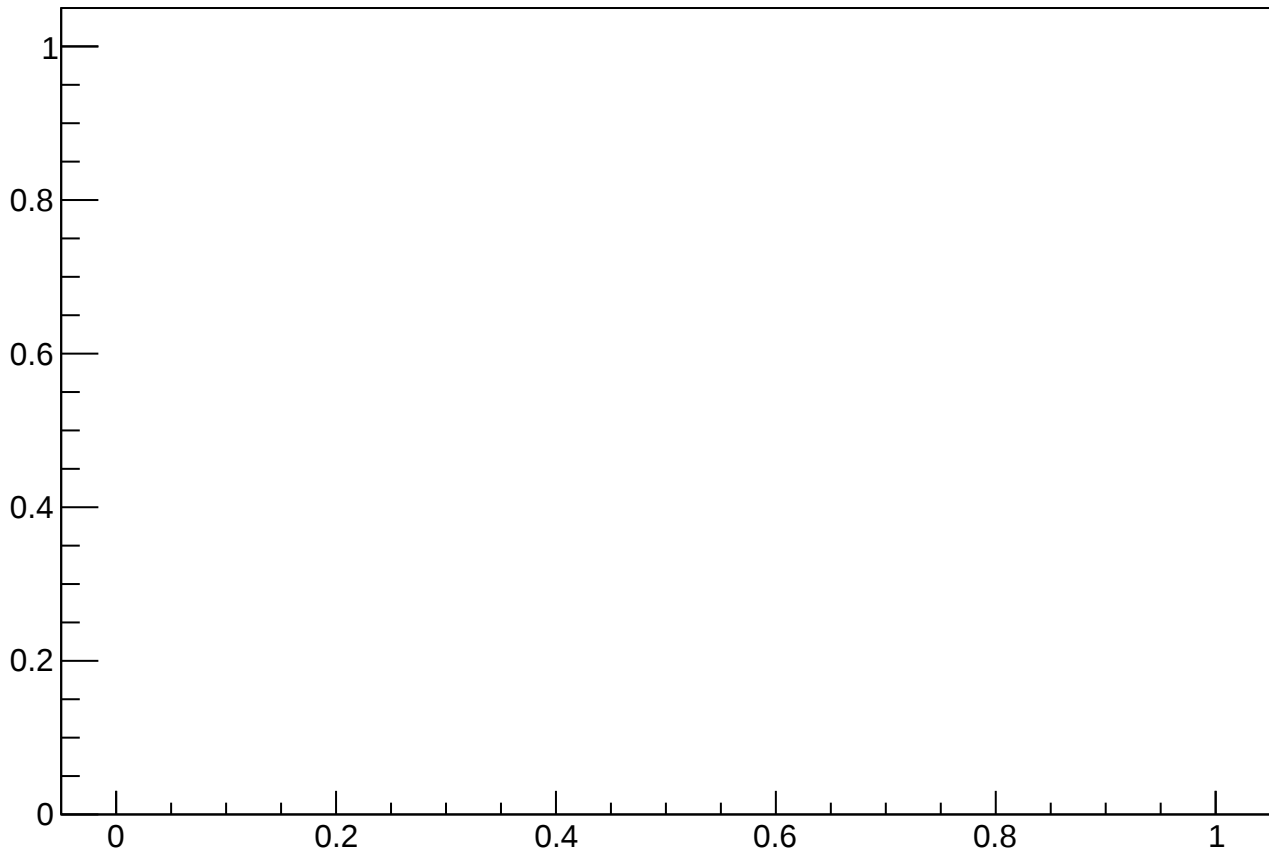
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

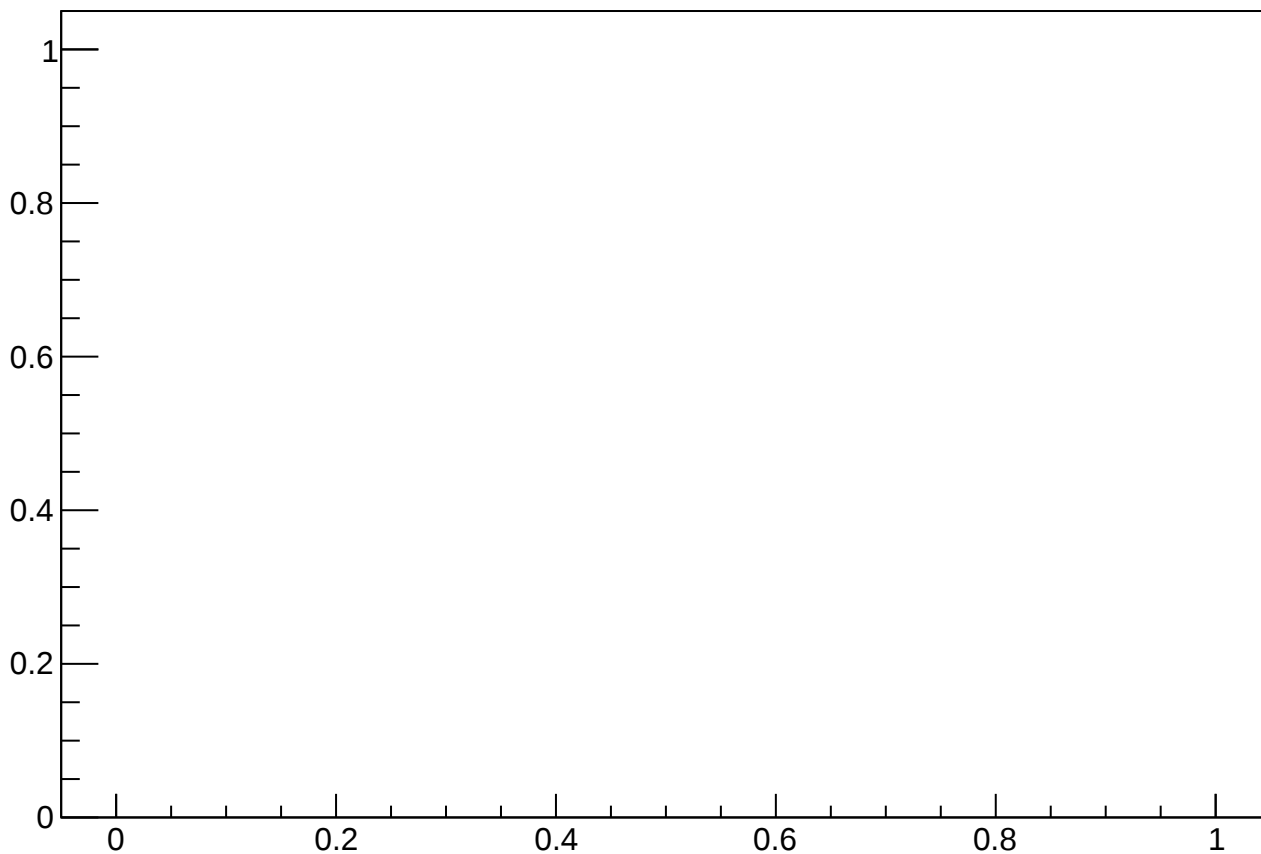
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

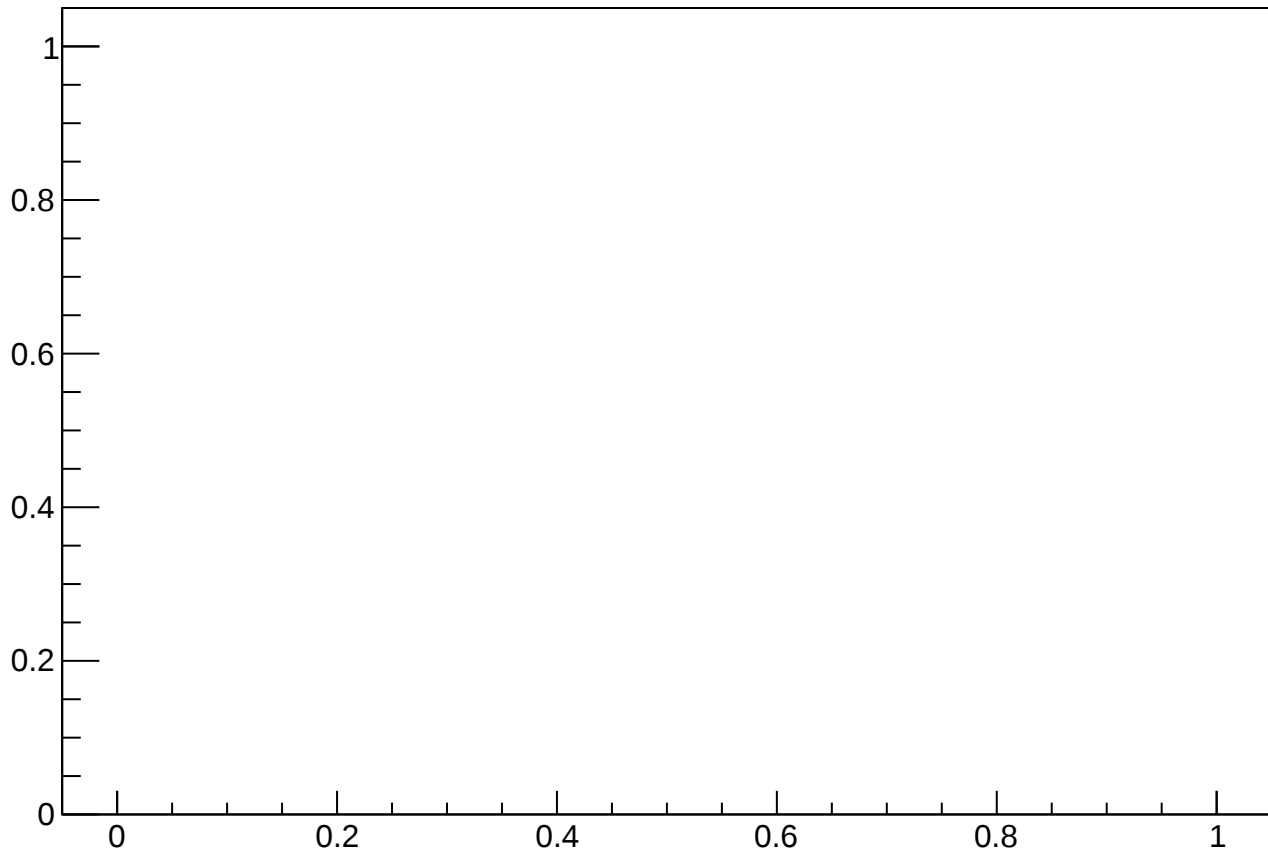
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

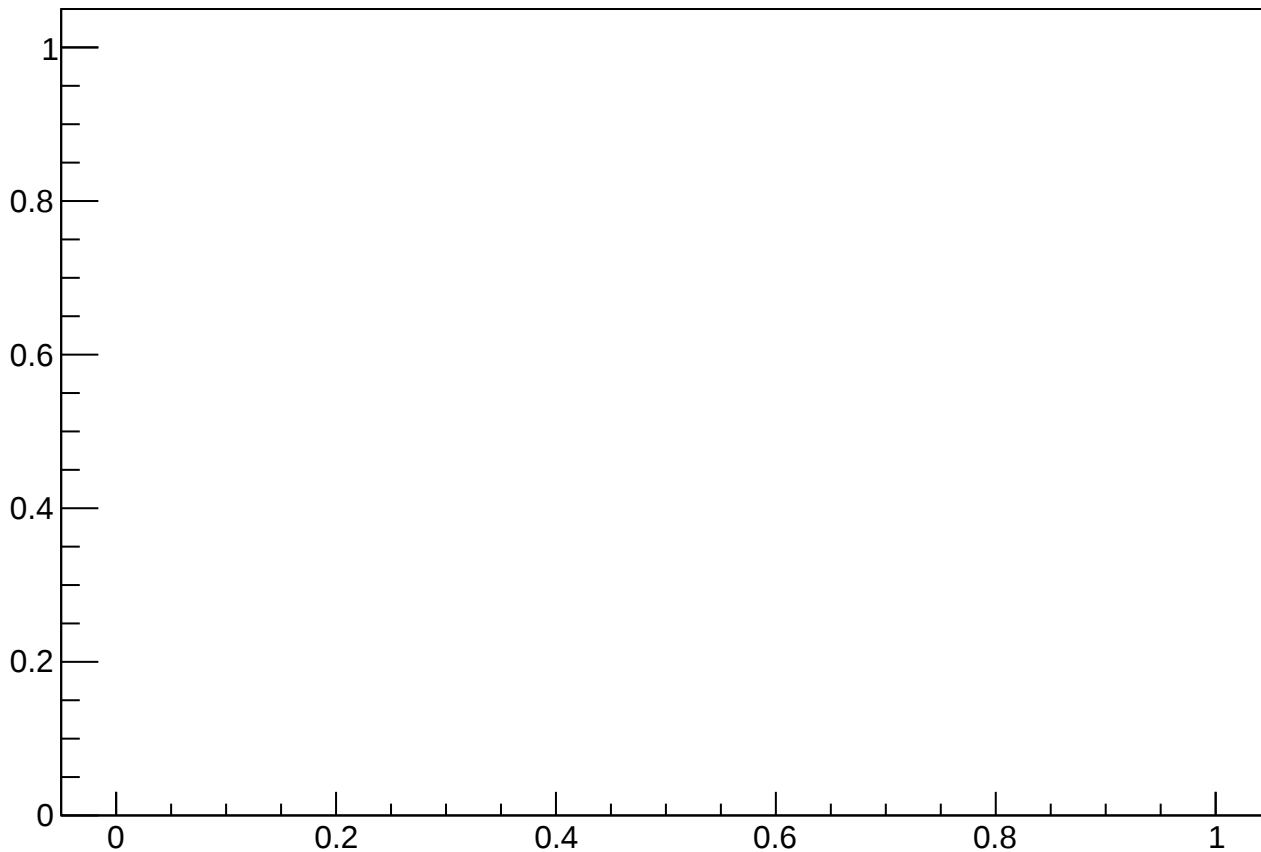
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

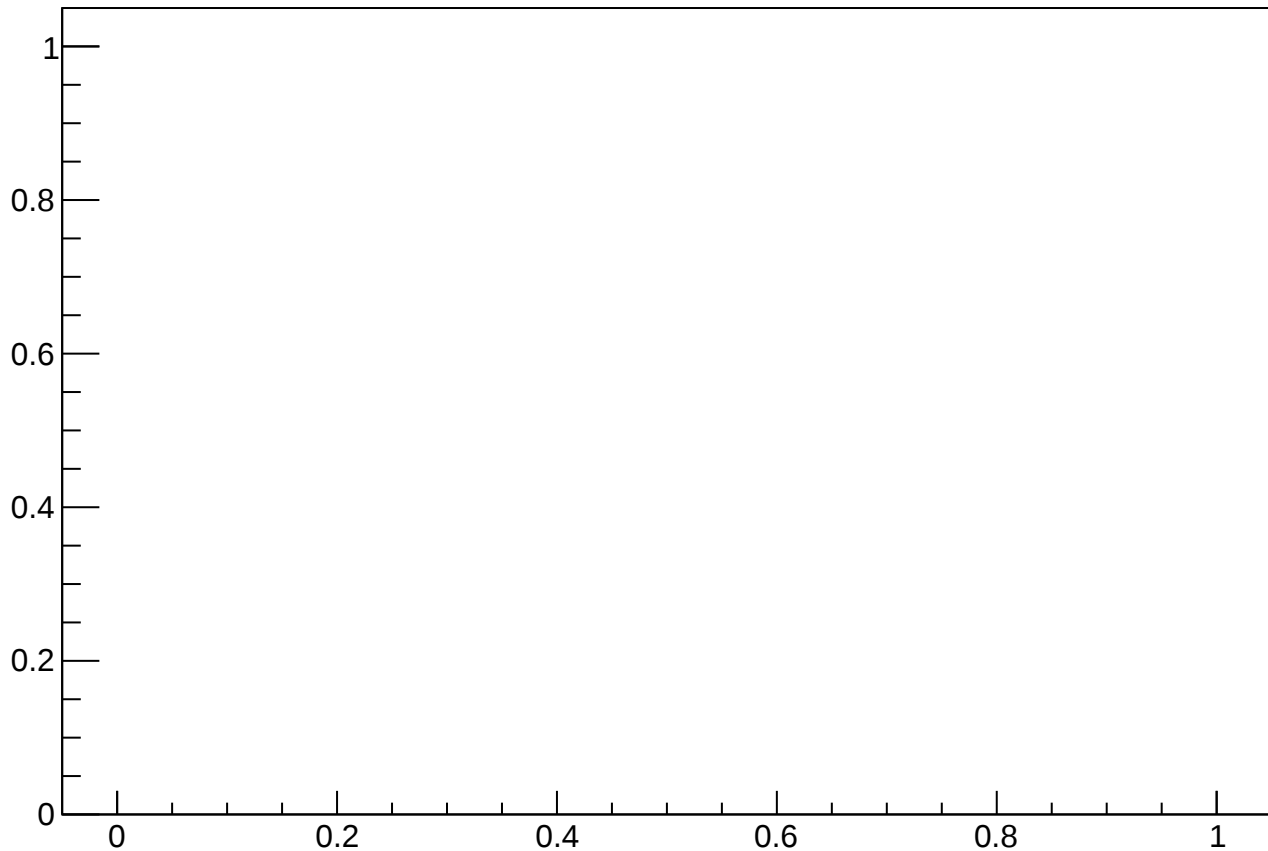
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

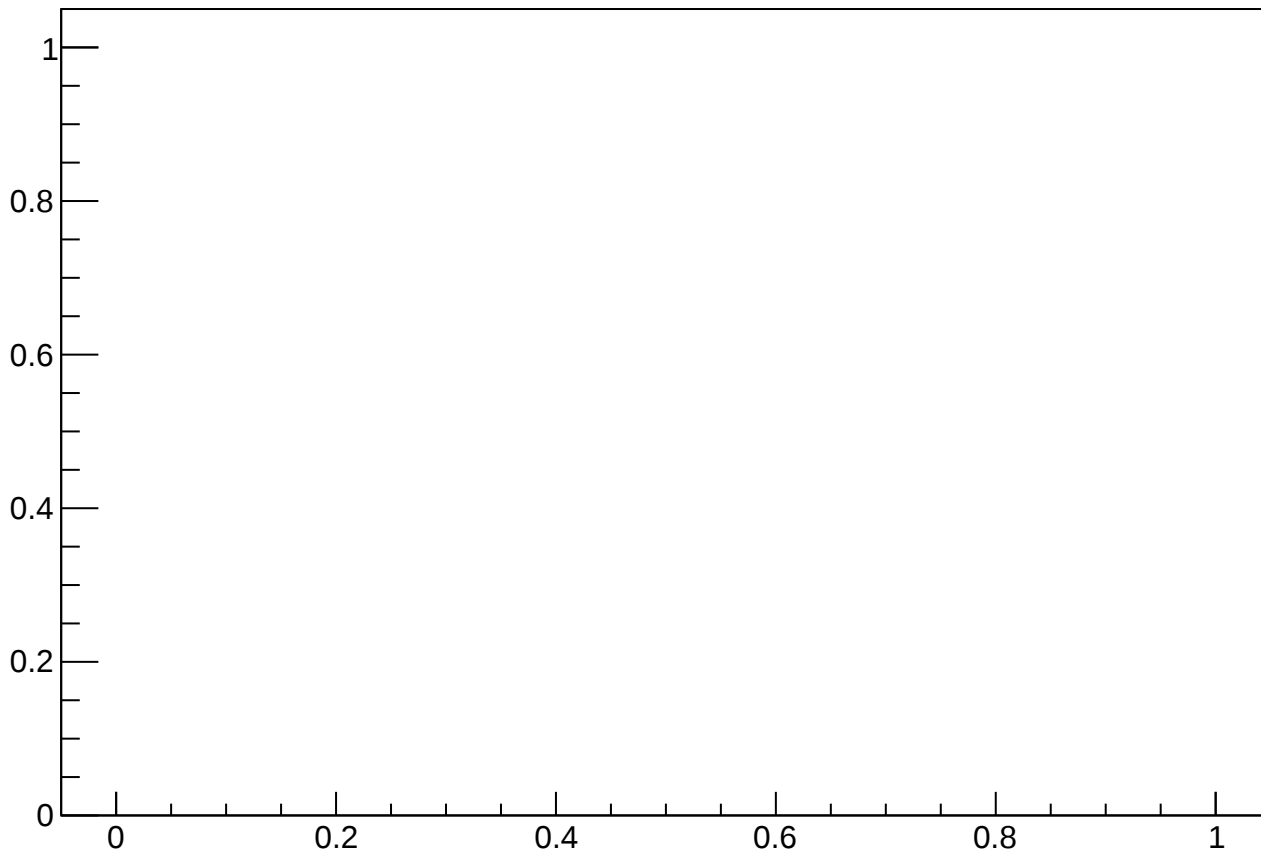
Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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

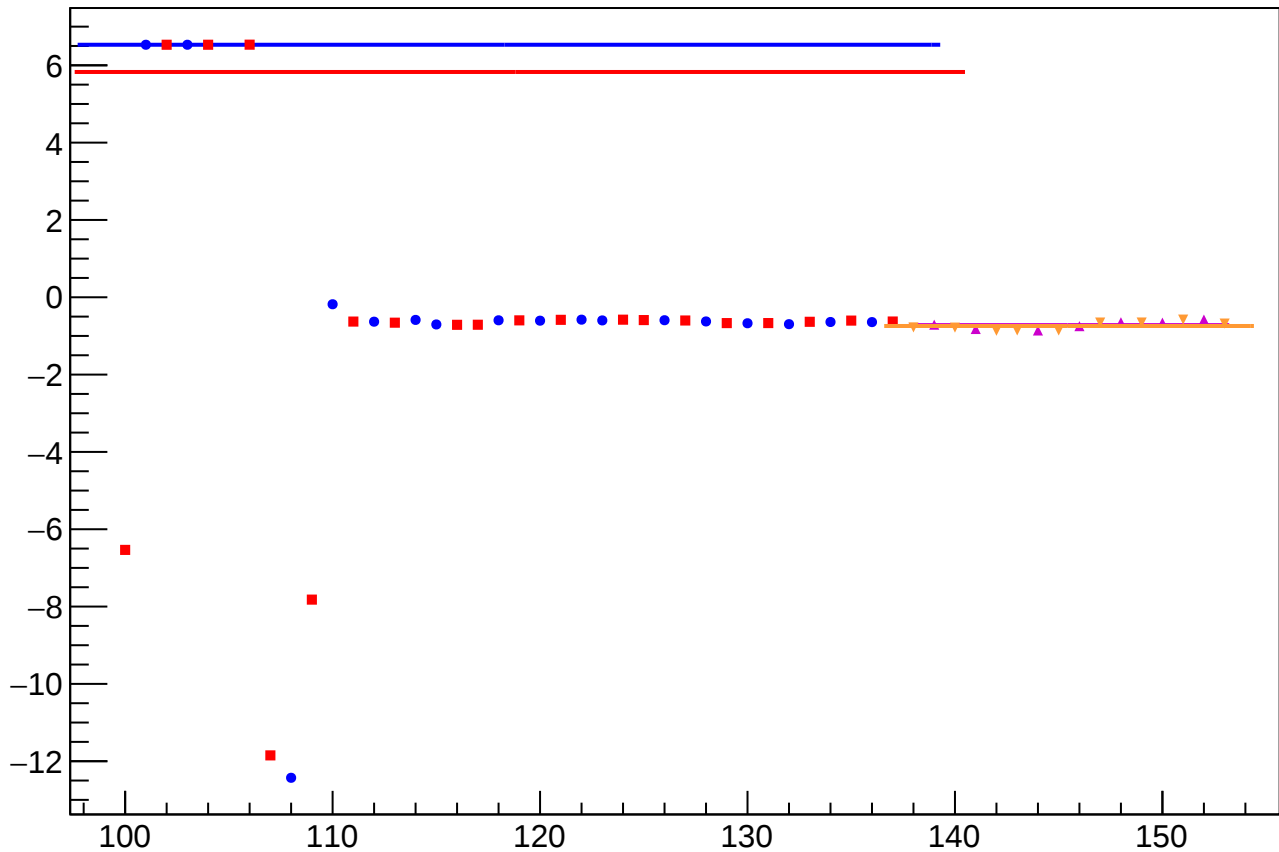
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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+/-0.000 χ^2/NDF : 127219747629.7/16

Left Out: -0.743+/-0.000 χ^2/NDF : 67147104.6/8

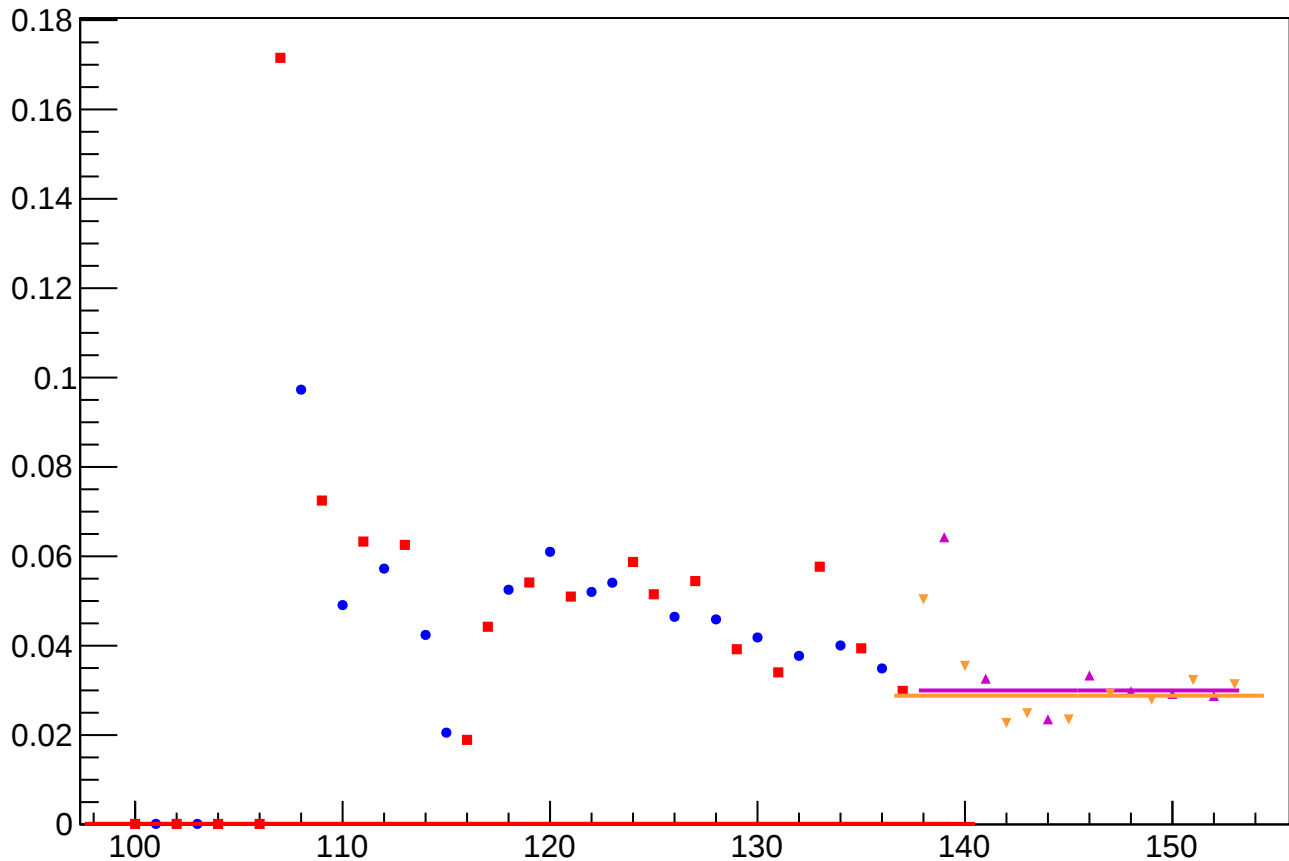
6.531+/-0.000 χ^2/NDF : 443163748293.9/25

Right Out: 5.827+/-0.000 χ^2/NDF : 755964092355063.0/19

5.827+/-0.000 χ^2/NDF : 756171927160485.1/20

Left In: -0.719+/-0.000 χ^2/NDF : 52115268.0/6

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.029+/-0.000 χ^2/NDF :409326.0/8

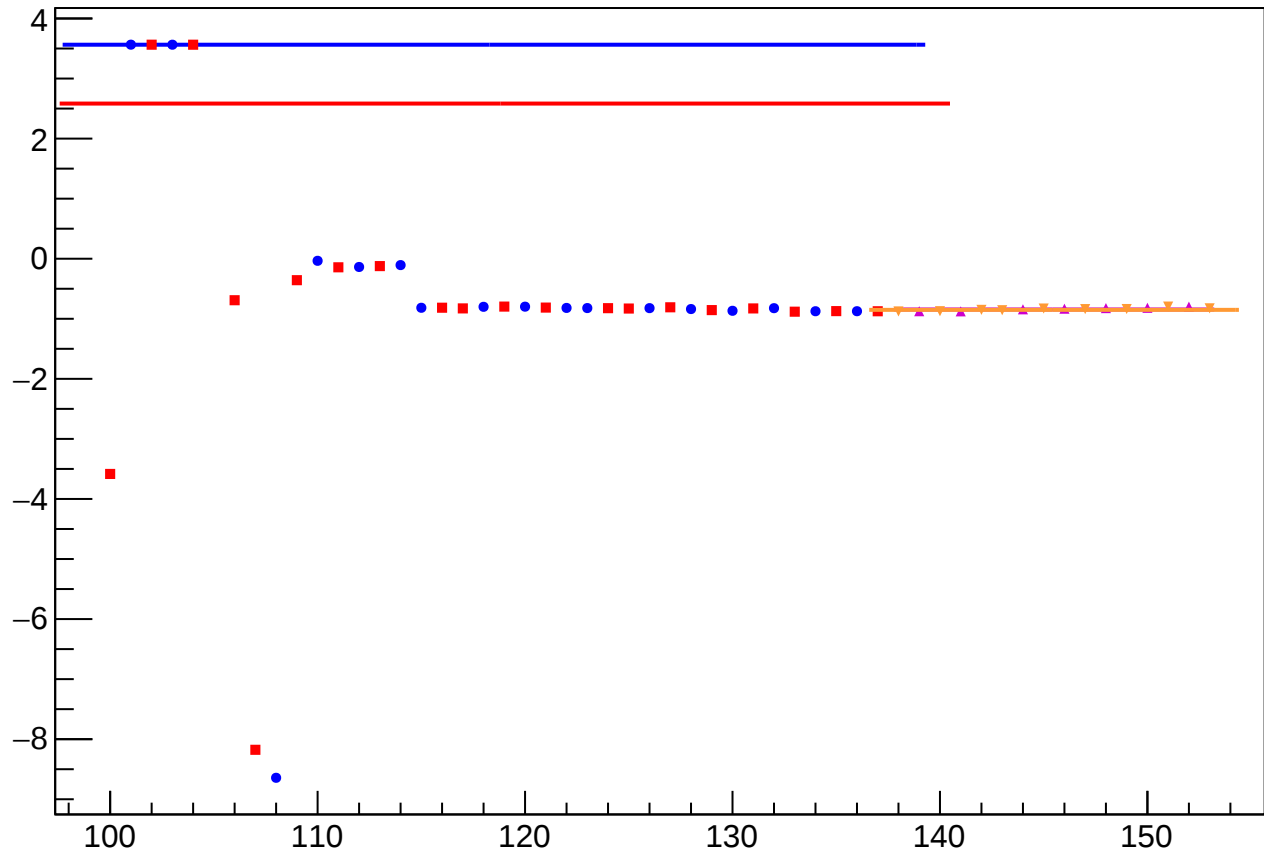
Right Out: 0.000+/-0.000 χ^2/NDF : 9429256.2/19

Left In: 0.030+/-0.000 χ^2/NDF :516836.4/6

0.000+/-0.000 χ^2/NDF : 19123265.3/25

0.000+/-0.000 χ^2/NDF : 18589596.9/26

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.851+/-0.000 χ^2/NDF : 32847359.3/8

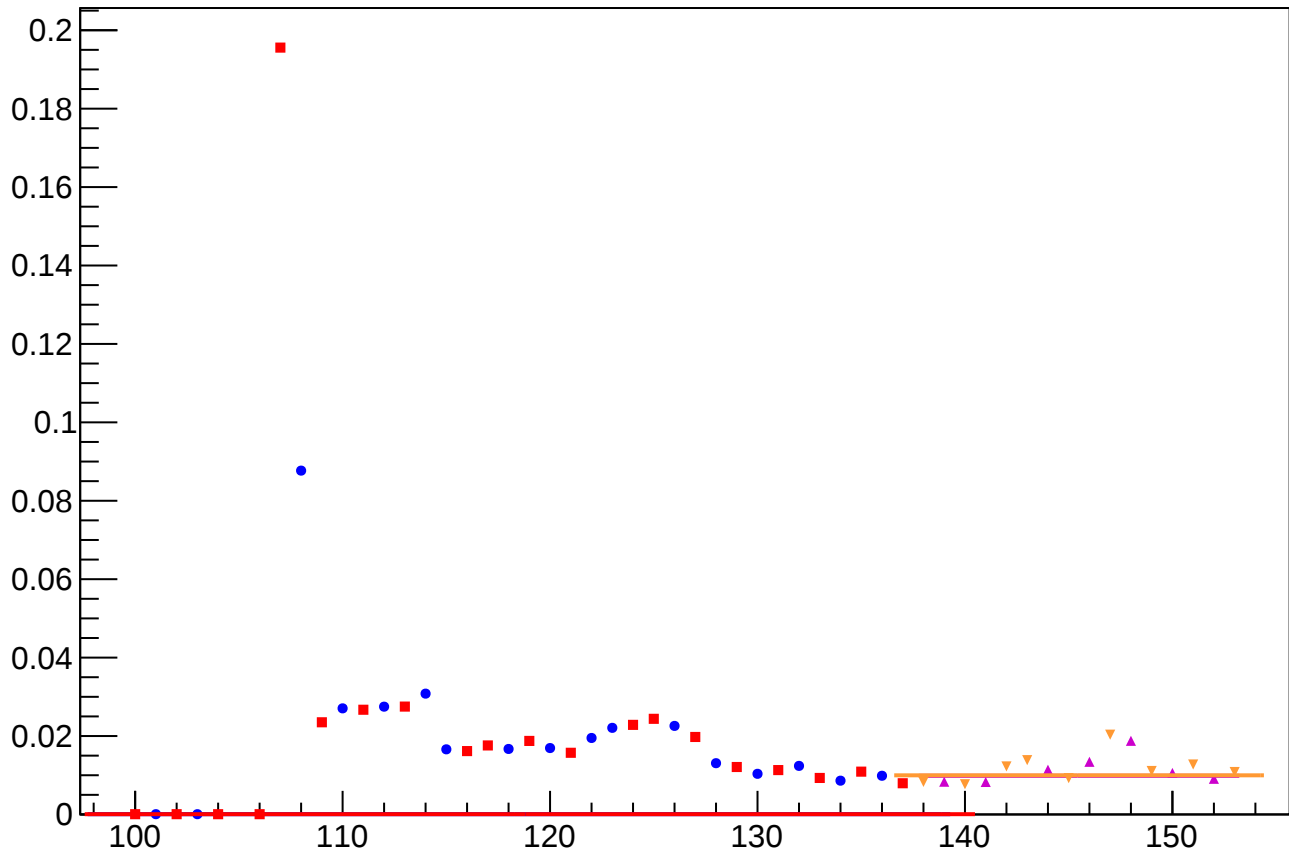
Right Out: 2.583+/-0.000 χ^2/NDF : 1253503502448656.2/19

Left In: -0.845+/-0.000 χ^2/NDF : 45088203.0/6

3.562+/-0.000 χ^2/NDF : 1442380606082.4/25

2.583+/-0.000 χ^2/NDF : 1254041456022020.5/2

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 9724059.3/16

Left Out: 0.010+/-0.000 χ^2/NDF : 715622.7/8

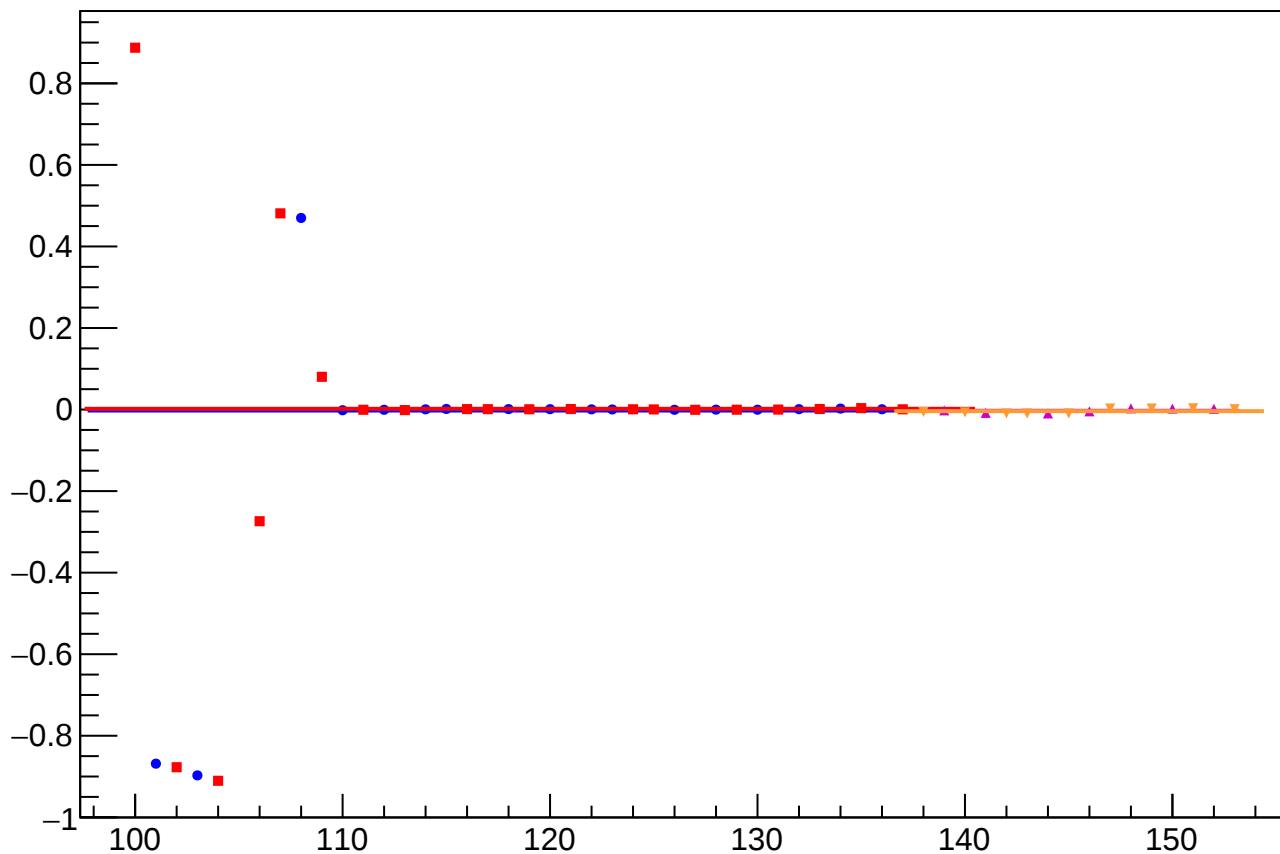
Right Out: 0.000+/-0.000 χ^2/NDF : 9937459.6/19

Left In: 0.010+/-0.000 χ^2/NDF : 532034.7/6

0.000+/-0.000 χ^2/NDF : 20127602.8/25

0.000+/-0.000 χ^2/NDF : 19231616.6/26

yield_cav4cX_mean vs Slug



Right In: -0.002+/-0.000 χ^2/NDF : 9794863405.3/16

Left Out: -0.004+/-0.000 χ^2/NDF : 66950289.1/8

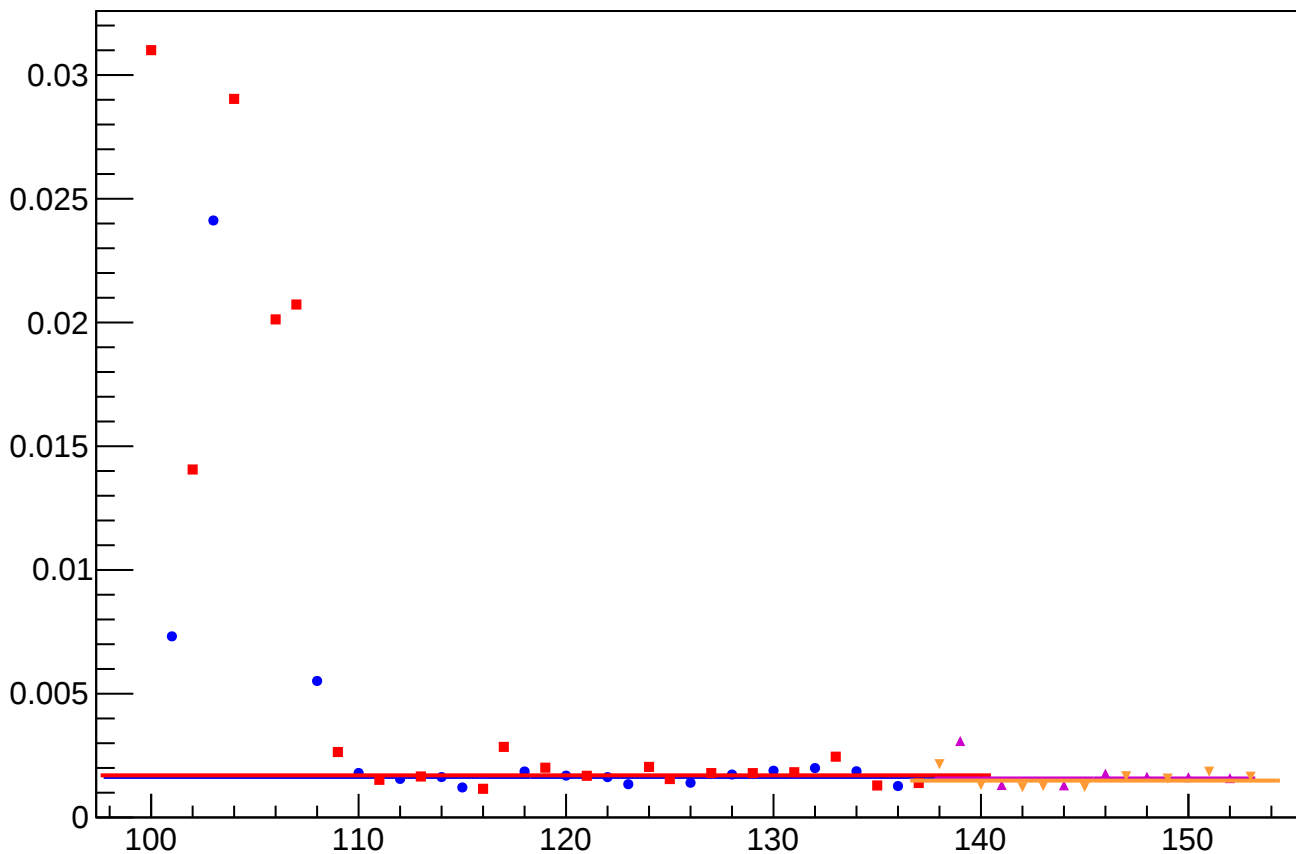
Right Out: 0.002+/-0.000 χ^2/NDF : 3041323813.4/19

Left In: -0.003+/-0.000 χ^2/NDF : 47927706.9/6

-0.003+/-0.000 χ^2/NDF : 9864144492.2/25

-0.001+/-0.000 χ^2/NDF : 3108989965.6/26

yield_cav4cX_rms vs Slug



Right In: 0.002 ± 0.000 χ^2/NDF : 1916349.1/16

Left Out: 0.001 ± 0.000 χ^2/NDF : 318550.6/8

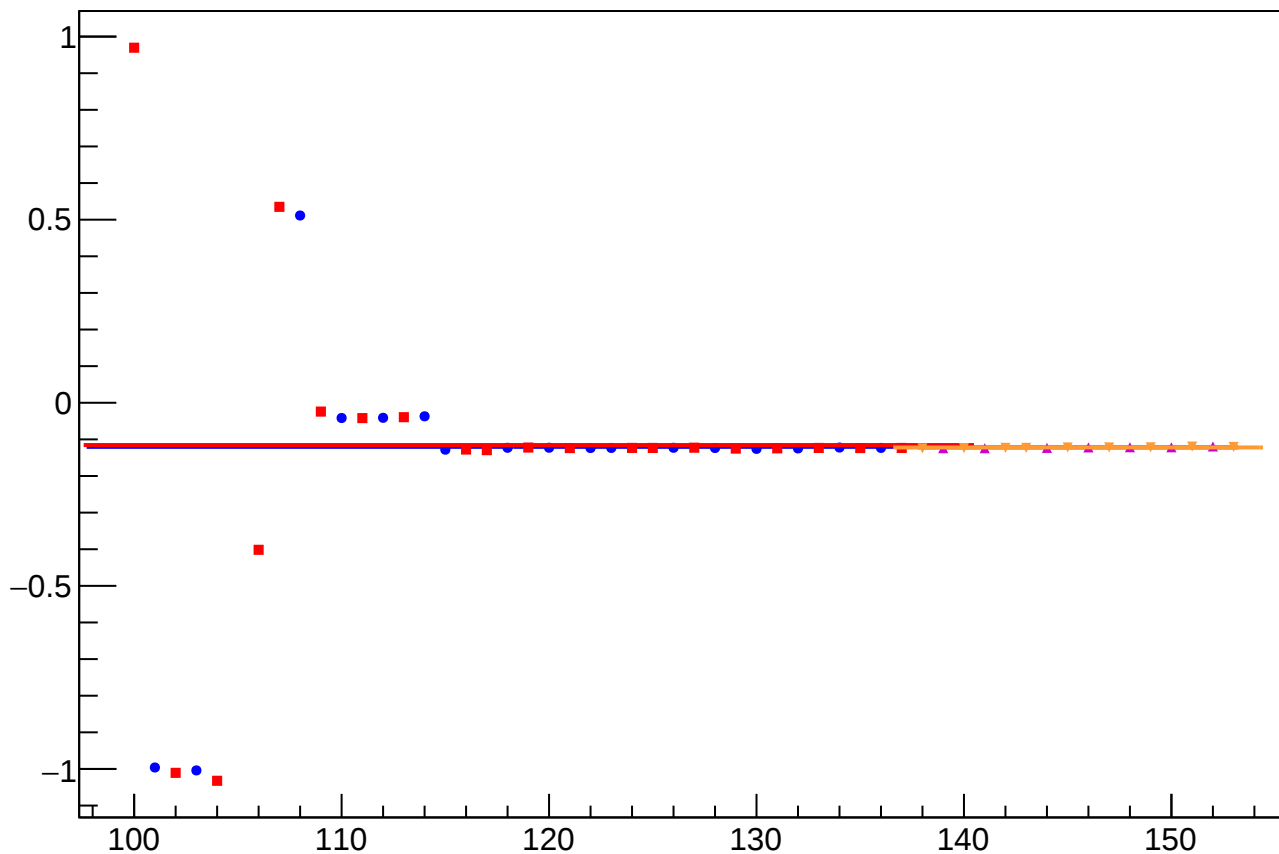
Right Out: 0.002 ± 0.000 χ^2/NDF : 3037006.7/19

Left In: 0.002 ± 0.000 χ^2/NDF : 468270.3/6

0.002 ± 0.000 χ^2/NDF : 2277070.9/25

0.002 ± 0.000 χ^2/NDF : 3531639.6/26

yield_cav4cY_mean vs Slug



Right In: -0.120+/-0.000 χ^2/NDF : 3932144335.2/16

Left Out: -0.122+/-0.000 χ^2/NDF : 8391534.4/8

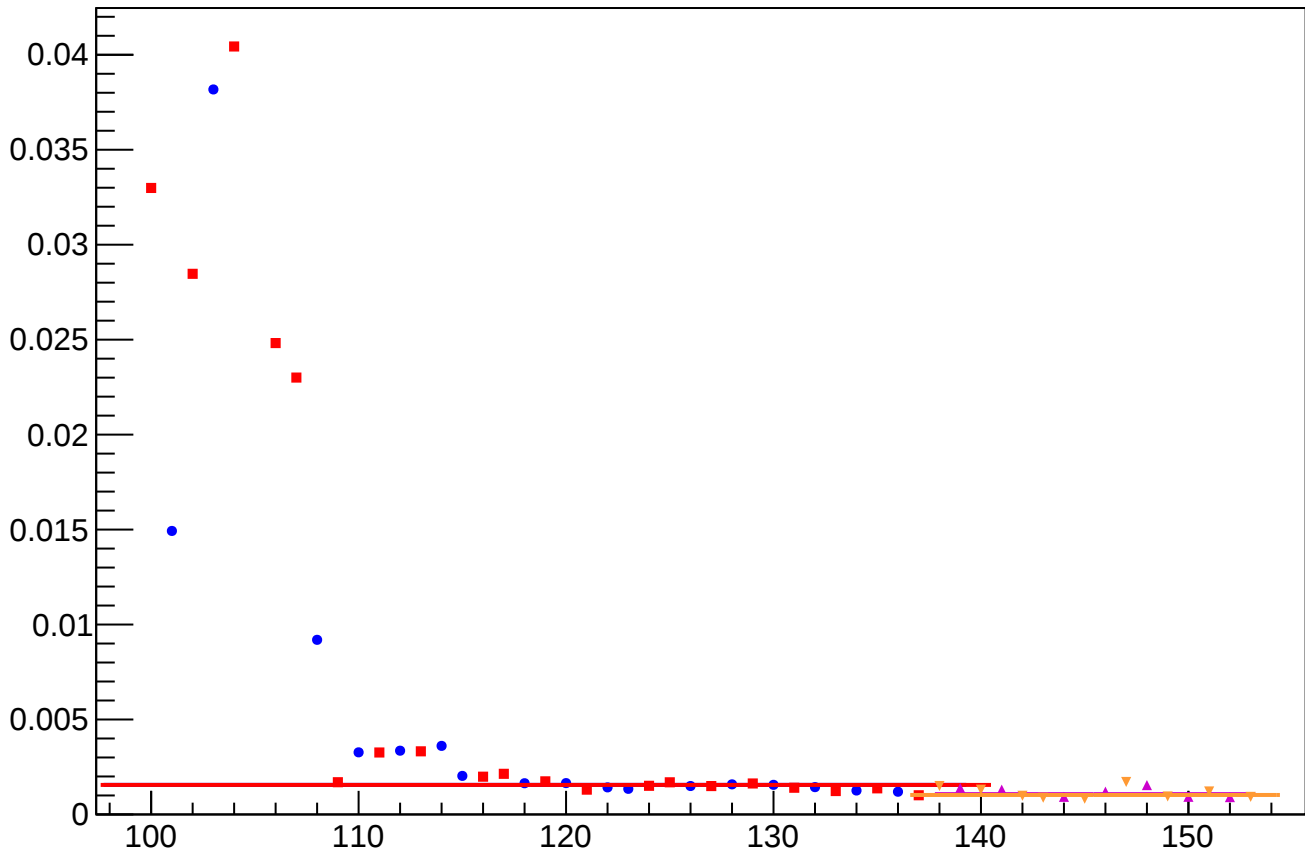
-0.122+/-0.000 χ^2/NDF : 3944788680.6/25

Right Out: -0.115+/-0.000 χ^2/NDF : 2458475073.1/19

-0.120+/-0.000 χ^2/NDF : 2524763787.8/26

Left In: -0.122+/-0.000 χ^2/NDF : 11805168.4/6

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 : 611352.6/8

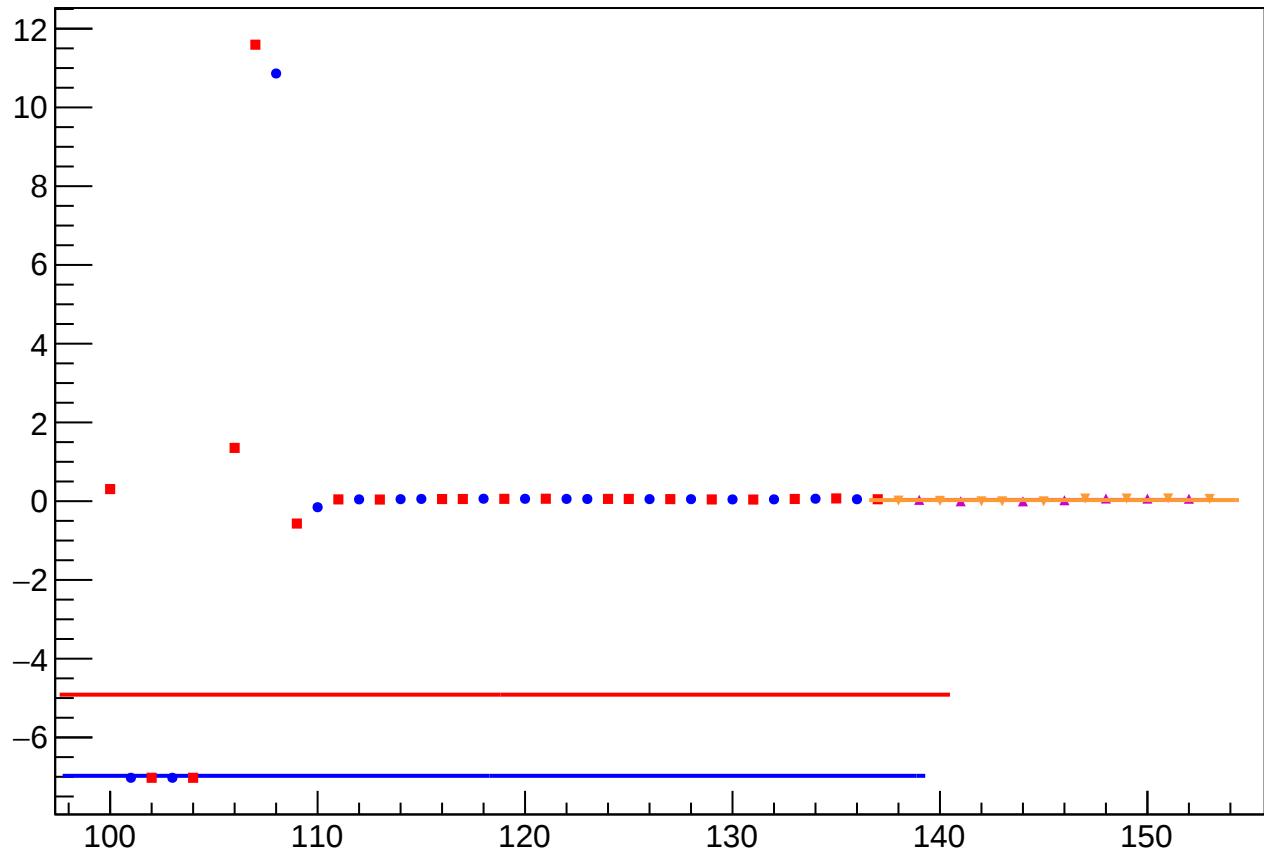
Right Out: 0.002 $\pm$ 0.000 χ^2/NDF : 3545212.9/19

Left In: 0.001 $\pm$ 0.000 χ^2/NDF : 402317.6/6

0.001 $\pm$ 0.000 χ^2/NDF : 4302506.3/25

0.001 $\pm$ 0.000 χ^2/NDF : 4573759.4/26

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2/NDF : 8749579700722.8/16

Left Out: 0.028+/-0.000 χ^2/NDF : 66960528.1/8

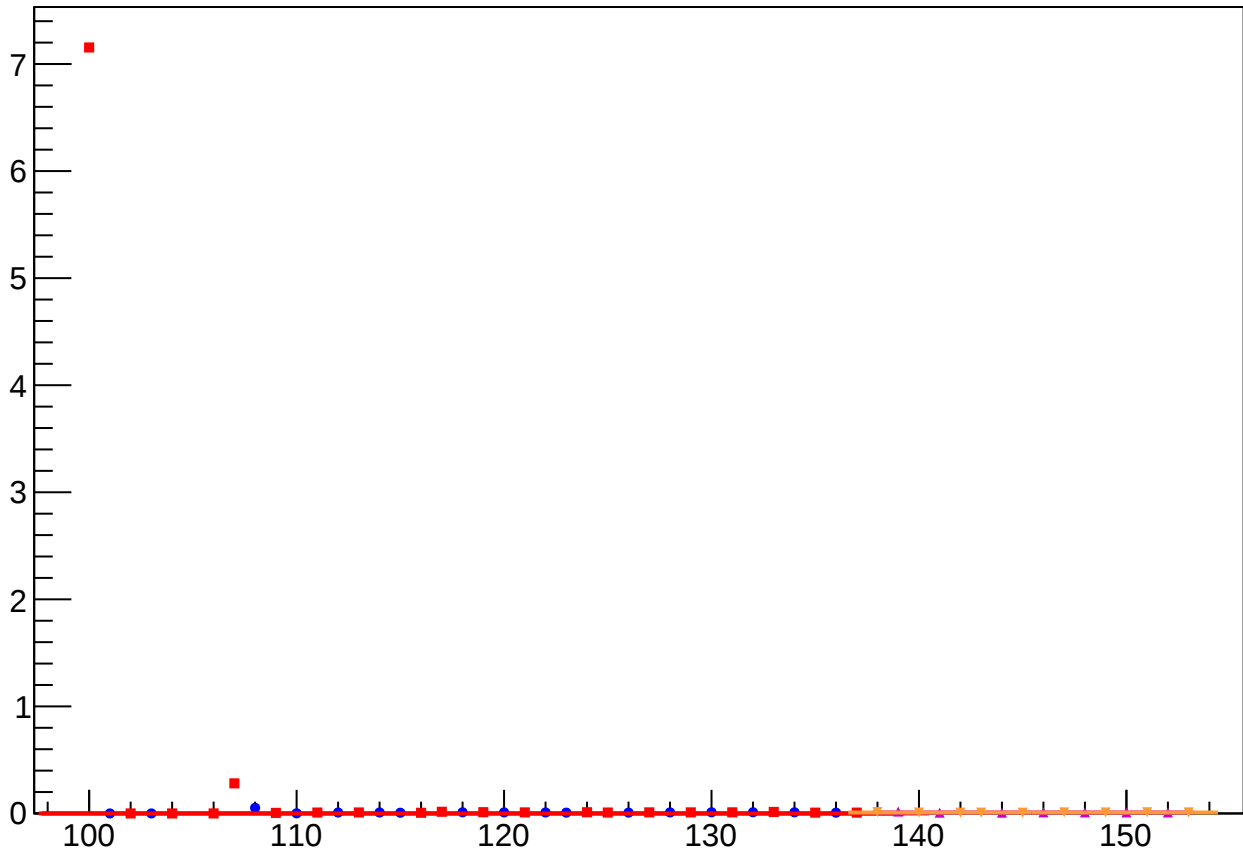
Right Out: -4.914+/-0.000 χ^2/NDF : 365362121338855.3/19

Left In: 0.032+/-0.000 χ^2/NDF : 51390617.0/6

-6.957+/-0.000 χ^2/NDF : 11890484922019.6/25

-4.905+/-0.000 χ^2/NDF : 366622803212931.7/2

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8242728.7/16

Left Out: 0.009+/-0.000 χ^2/NDF :322998.4/8

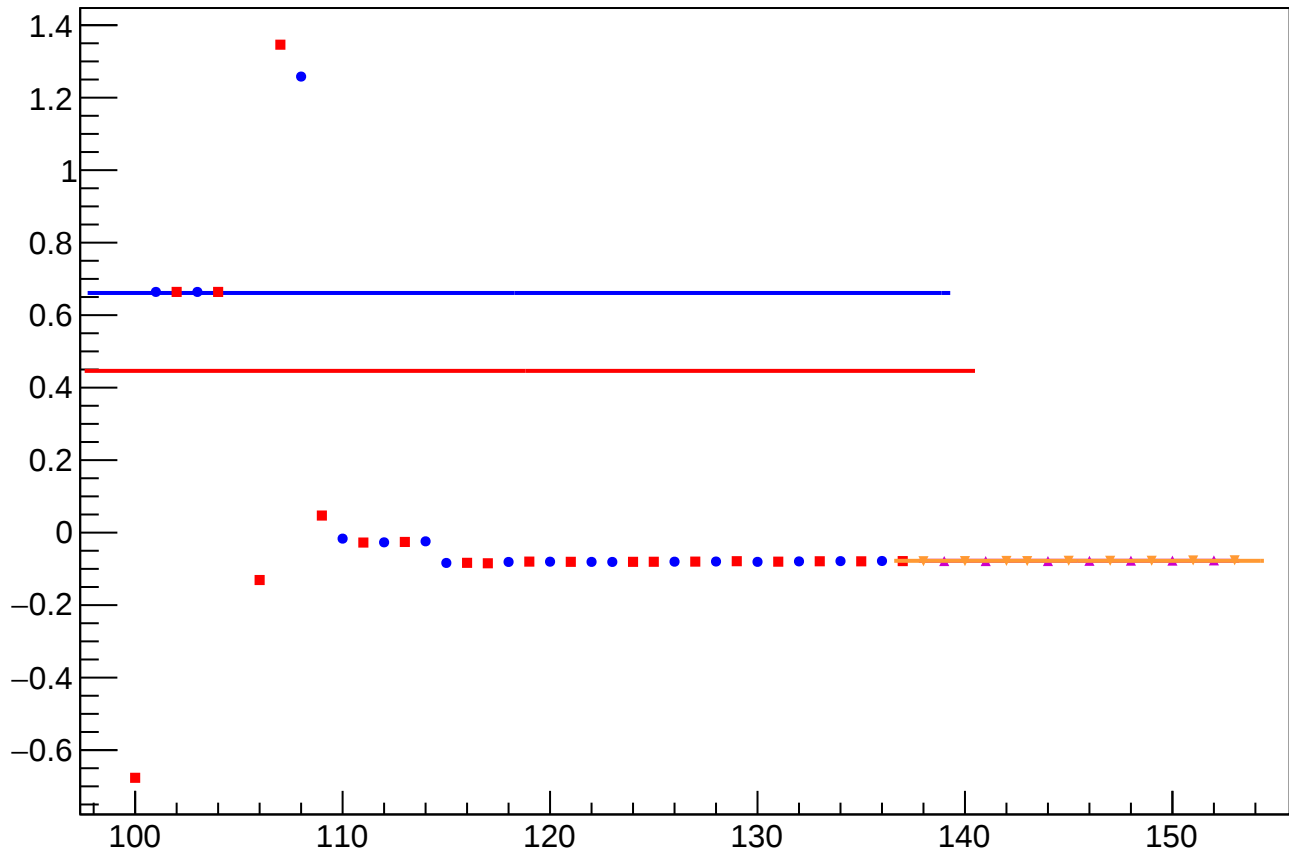
Right Out: 0.000+/-0.000 χ^2/NDF : 8854773.0/19

Left In: 0.009+/-0.000 χ^2/NDF :468439.3/6

0.000+/-0.000 χ^2/NDF : 18044596.7/25

0.000+/-0.000 χ^2/NDF : 17756651.1/26

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 : 12173205.5/8

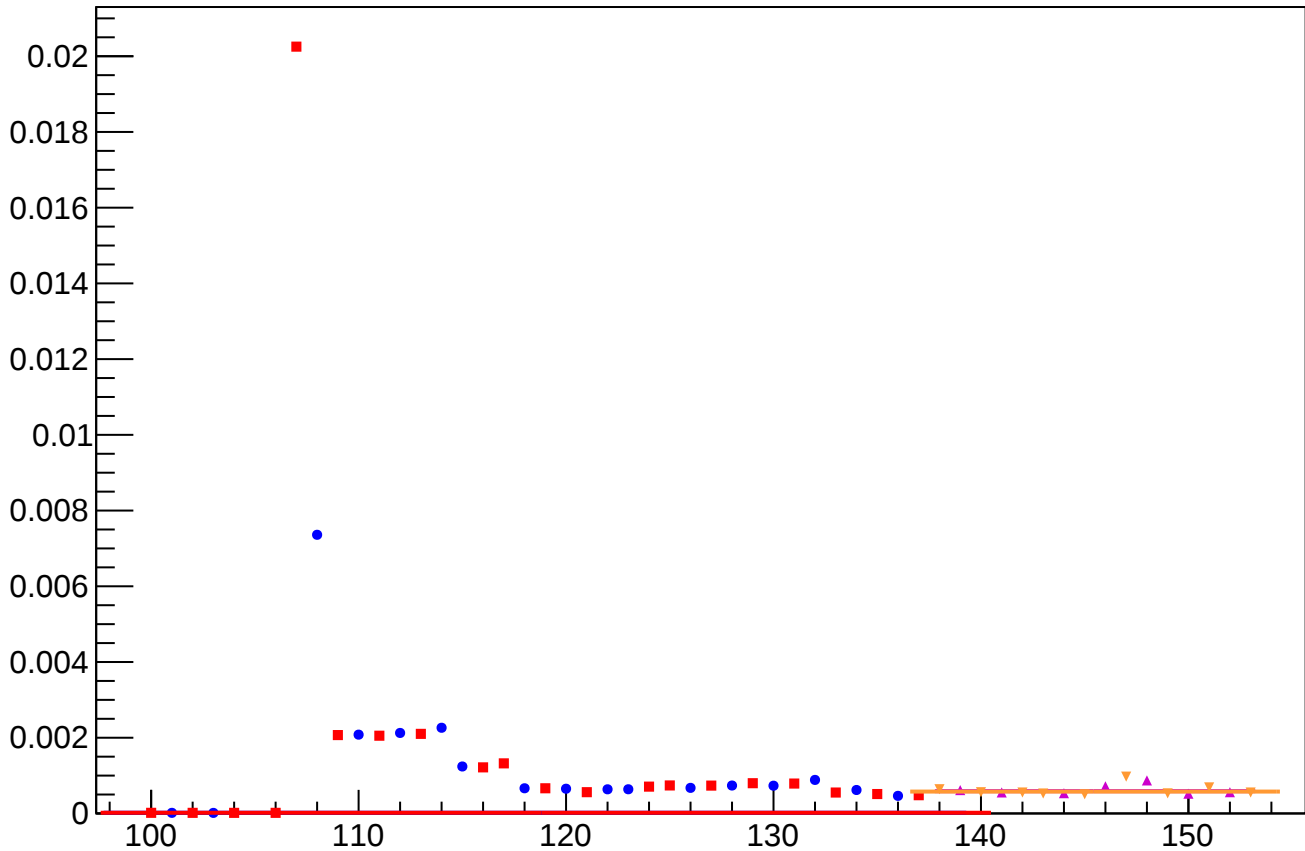
Right Out: 0.446+/-0.000 χ^2/NDF : 405423069582977.9/19

Left In: -0.078+/-0.000 χ^2/NDF : 7917183.9/6

0.656+/-0.000 χ^2/NDF : 15470865482454.5/25

0.443+/-0.000 χ^2/NDF : 409649761390709.9/20

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 : 356551.9/8

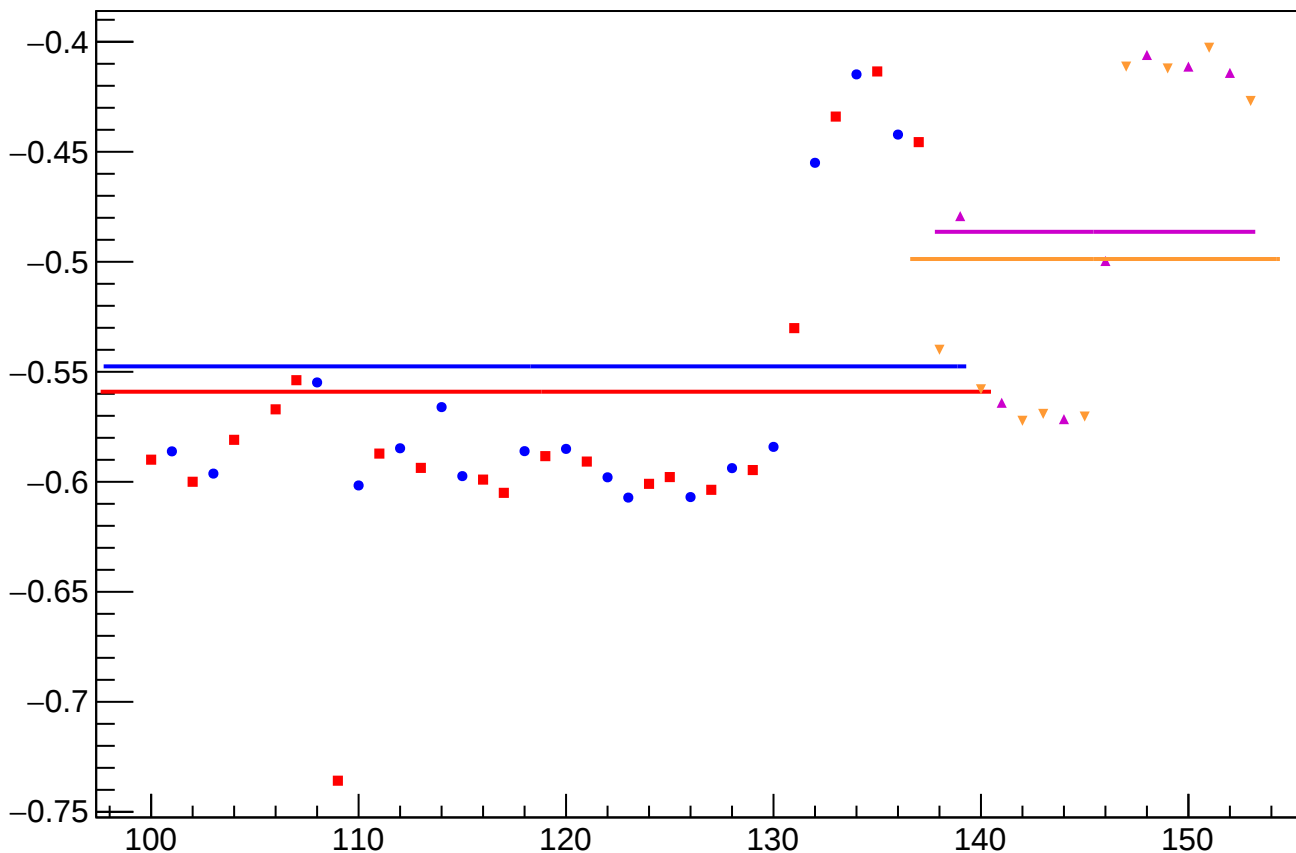
Right Out: 0.000+/-0.000 χ^2/NDF : 9555089.8/19

Left In: 0.001+/-0.000 χ^2/NDF : 267363.5/6

0.000+/-0.000 χ^2/NDF : 21544730.9/25

0.000+/-0.000 χ^2/NDF : 19844257.6/26

yield_bpm4aX_mean vs Slug



Right In: -0.548+/-0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.499+/-0.000 χ^2/NDF : 73716101.8/8

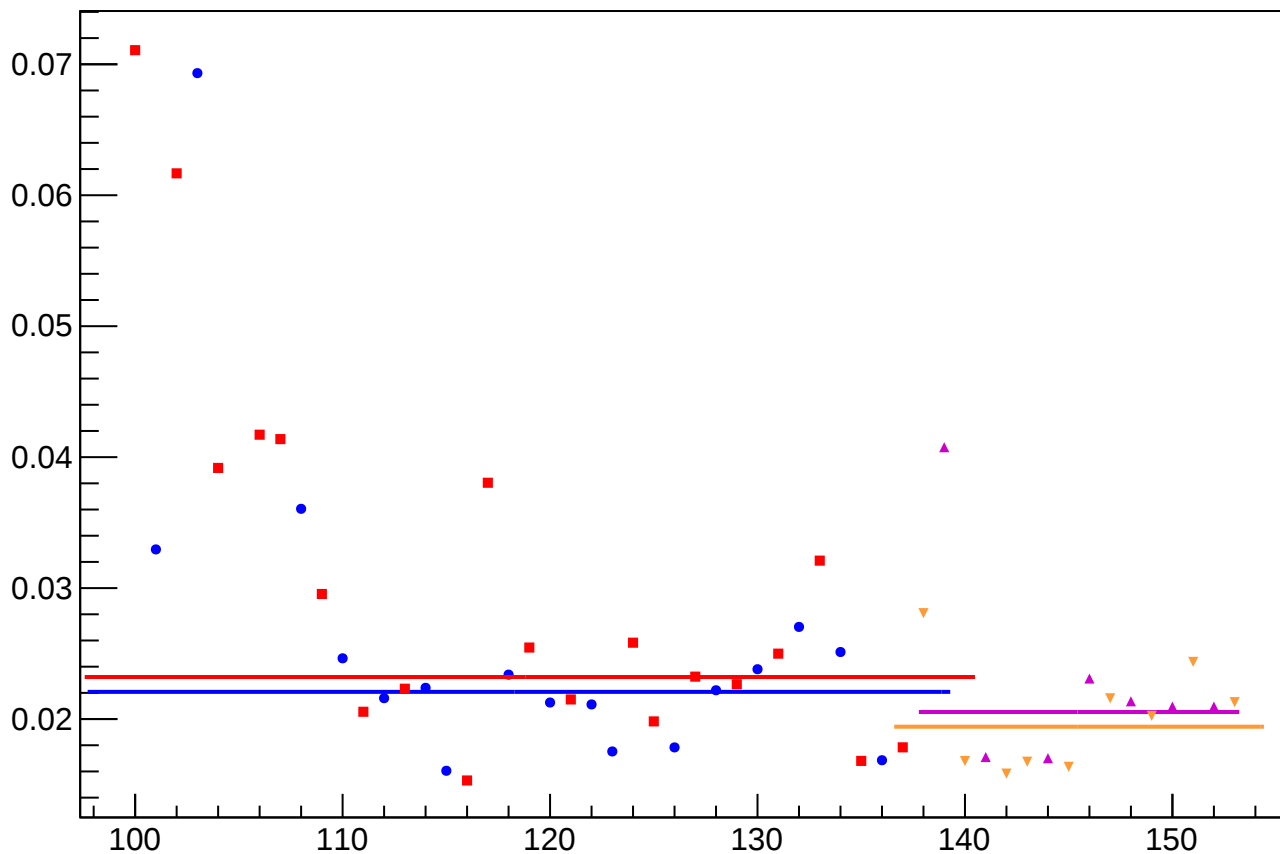
Right Out: -0.559+/-0.000 χ^2/NDF : 65389755.0/19

Left In: -0.486+/-0.000 χ^2/NDF : 54303963.5/6

-0.520+/-0.000 χ^2/NDF : 136014025.5/25

-0.522+/-0.000 χ^2/NDF : 146526882.5/26

yield_bpm4aX_rms vs Slug



Right In: 0.022+/-0.000 χ^2/NDF : 954779.5/16

Left Out: 0.019+/-0.000 χ^2/NDF : 311279.3/8

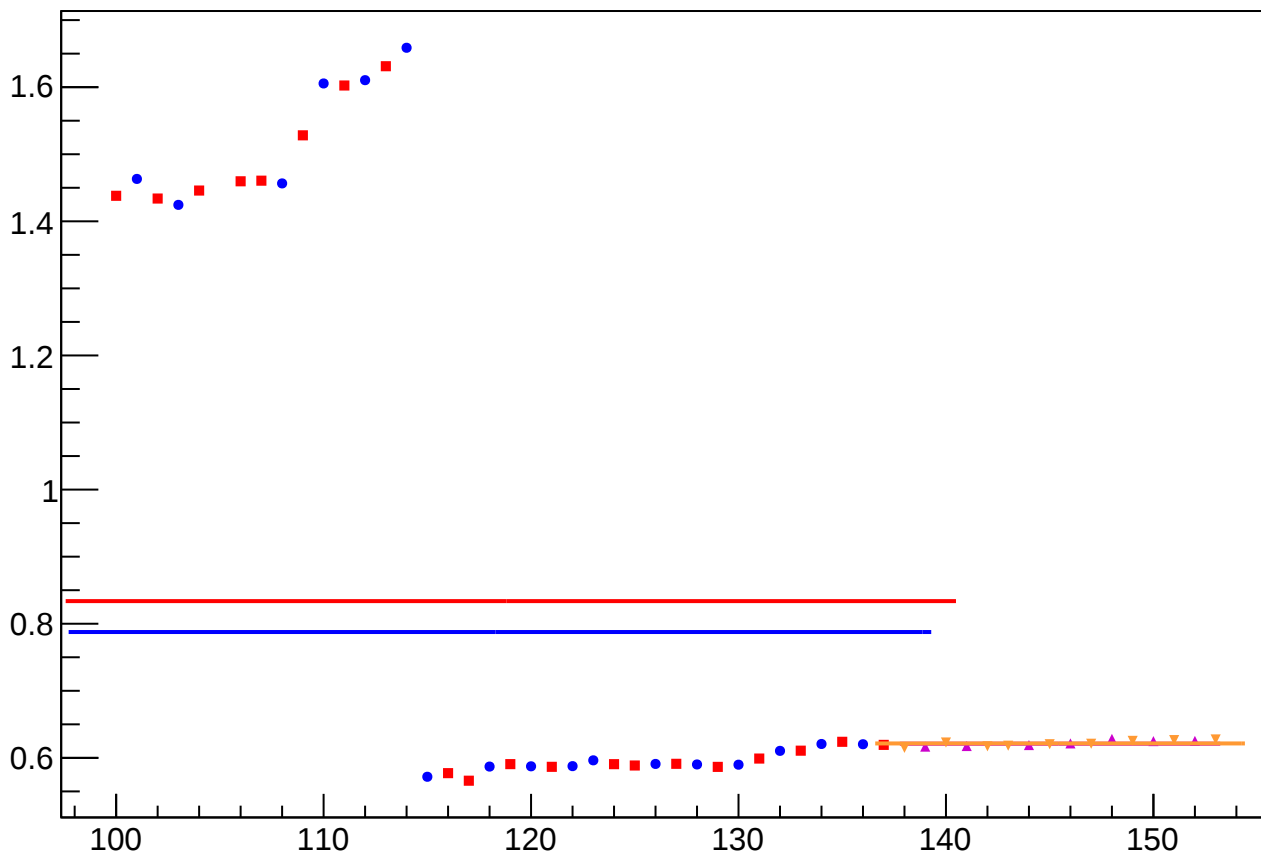
Right Out: 0.023+/-0.000 χ^2/NDF : 1169013.8/19

Left In: 0.021+/-0.000 χ^2/NDF : 474052.5/6

0.021+/-0.000 χ^2/NDF : 1347767.7/25

0.022+/-0.000 χ^2/NDF : 1715533.2/26

yield_bpm4aY_mean vs Slug



Right In: 0.788 $\pm$ 0.000 χ^2 /NDF: 3581400502.4/16

Left Out: 0.622 $\pm$ 0.000 χ^2 /NDF:653674.6/8

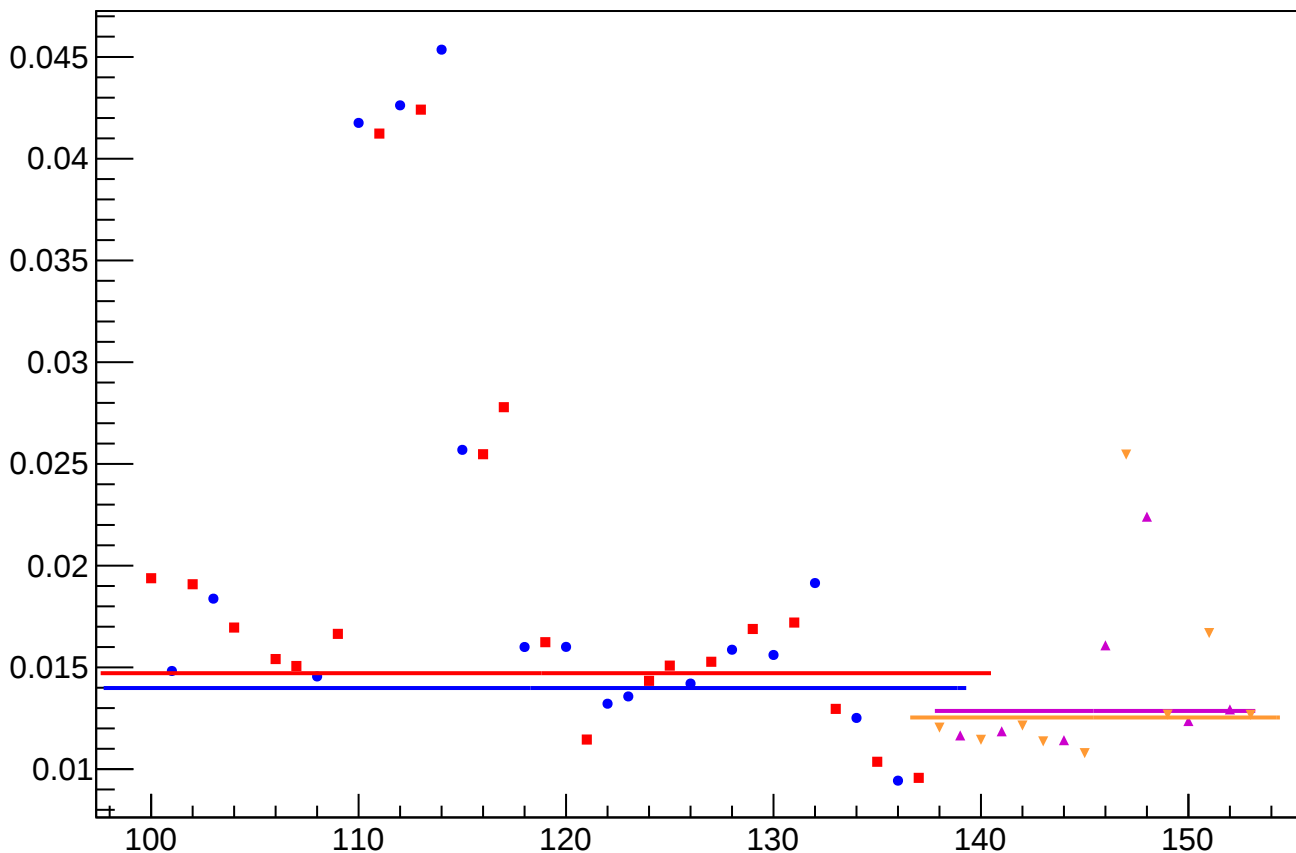
Right Out: 0.834 $\pm$ 0.000 χ^2 /NDF: 4155673215.9/19

Left In: 0.621 $\pm$ 0.000 χ^2 /NDF:439960.6/6

0.693 $\pm$ 0.000 χ^2 /NDF: 4035046908.4/25

0.720 $\pm$ 0.000 χ^2 /NDF: 4830965375.8/26

yield_bpm4aY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1398505.7/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 541438.7/8

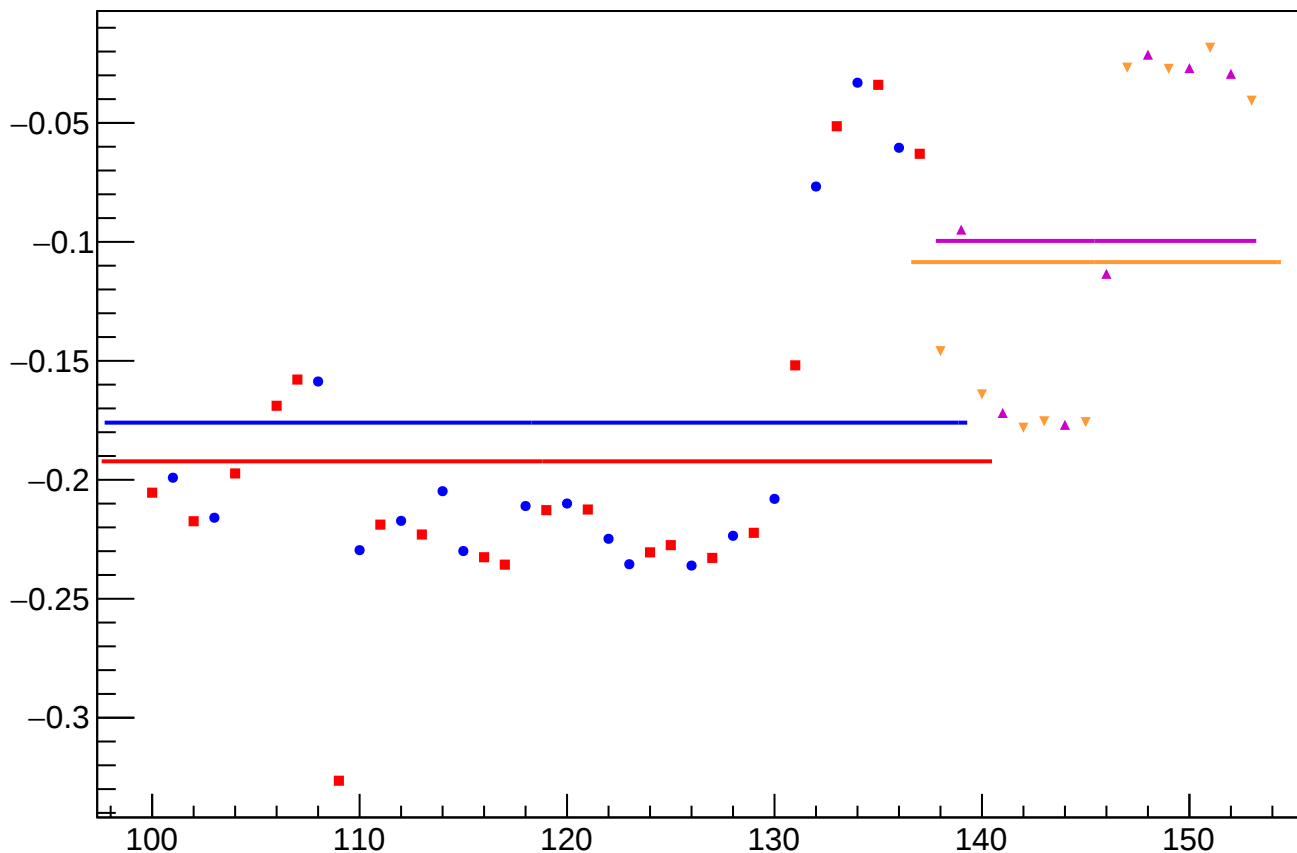
Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1275472.3/19

Left In: 0.013 $\pm$ 0.000 χ^2 /NDF: 389893.1/6

0.013 $\pm$ 0.000 χ^2 /NDF: 2008756.2/25

0.014 $\pm$ 0.000 χ^2 /NDF: 1768106.4/26

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.108+/-0.000 χ^2/NDF : 71727038.9/8

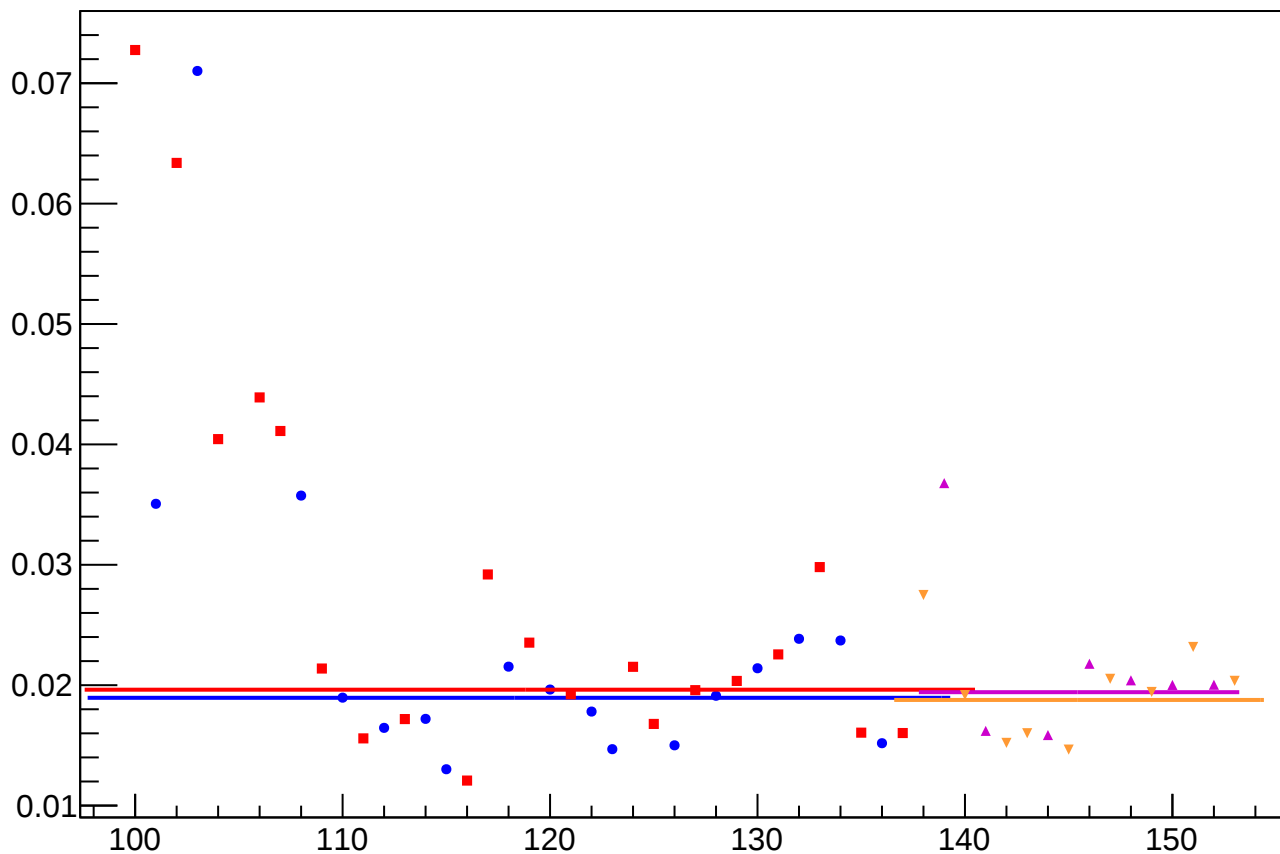
Right Out: -0.192+/-0.000 χ^2/NDF : 83343025.0/19

Left In: -0.100+/-0.000 χ^2/NDF : 54520959.4/6

-0.142+/-0.000 χ^2/NDF : 173720877.1/25

-0.149+/-0.000 χ^2/NDF : 191805364.3/26

yield_bpm4eX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1203275.7/16

Left Out: 0.019+/-0.000 χ^2/NDF : 338840.8/8

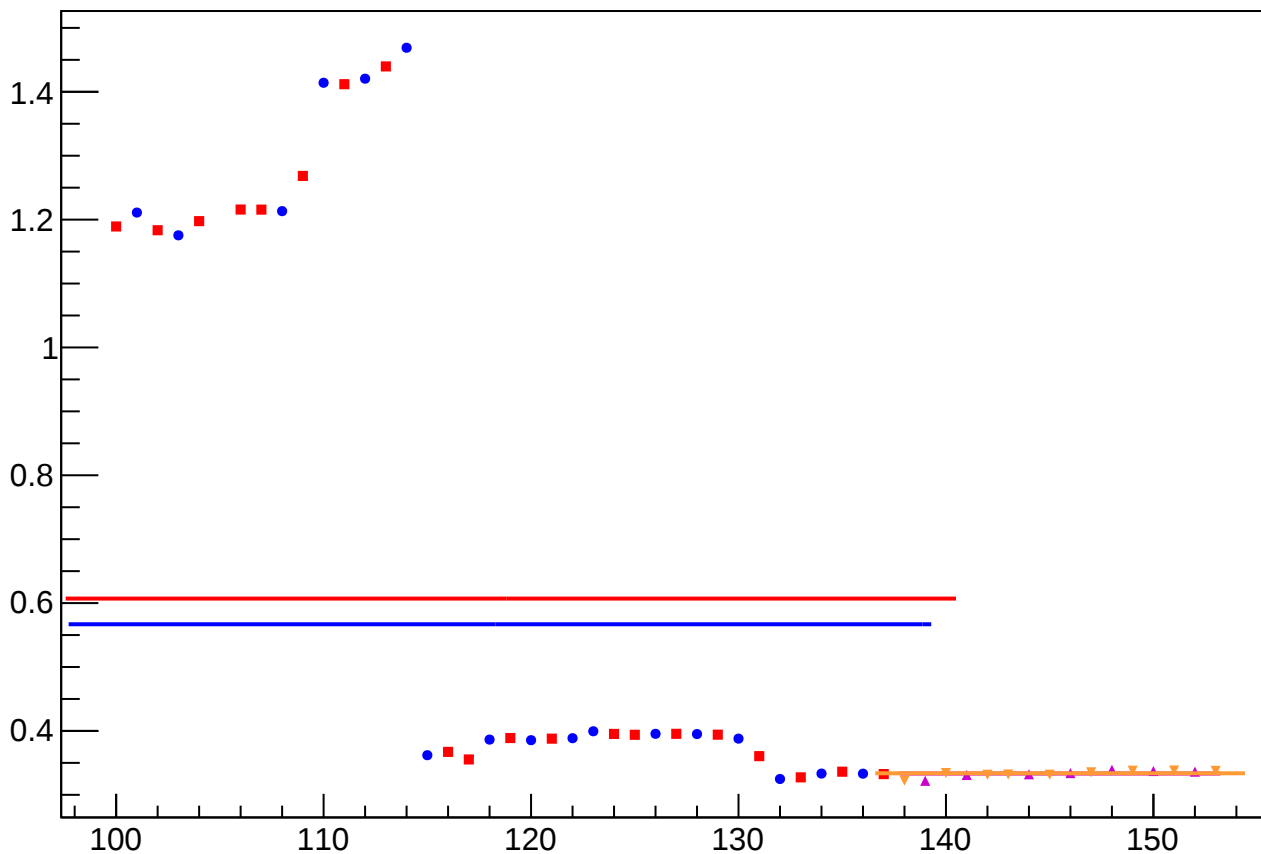
Right Out: 0.020+/-0.000 χ^2/NDF : 1463983.0/19

Left In: 0.019+/-0.000 χ^2/NDF : 451792.2/6

0.019+/-0.000 χ^2/NDF : 1542562.3/25

0.020+/-0.000 χ^2/NDF : 1916312.2/26

yield_bpm4eY_mean vs Slug



Right In: 0.567+/-0.000 χ^2/NDF : 5016913731.3/16

Left Out: 0.334+/-0.000 χ^2/NDF : 904530.6/8

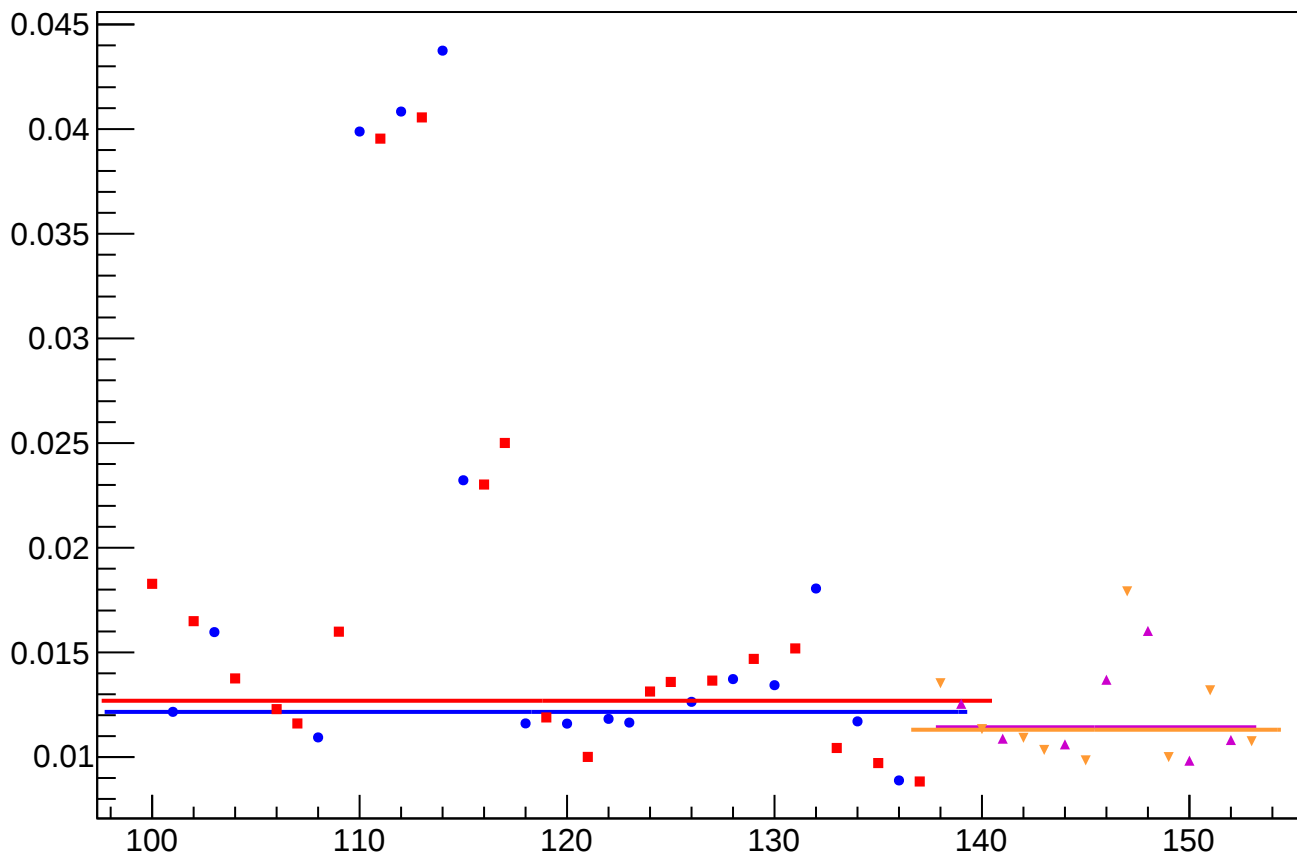
Right Out: 0.607+/-0.000 χ^2/NDF : 5509130775.3/19

Left In: 0.333+/-0.000 χ^2/NDF : 921986.6/6

0.437+/-0.000 χ^2/NDF : 6166254993.8/25

0.462+/-0.000 χ^2/NDF : 6965198370.5/26

yield_bpm4eY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1307948.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:347450.8/8

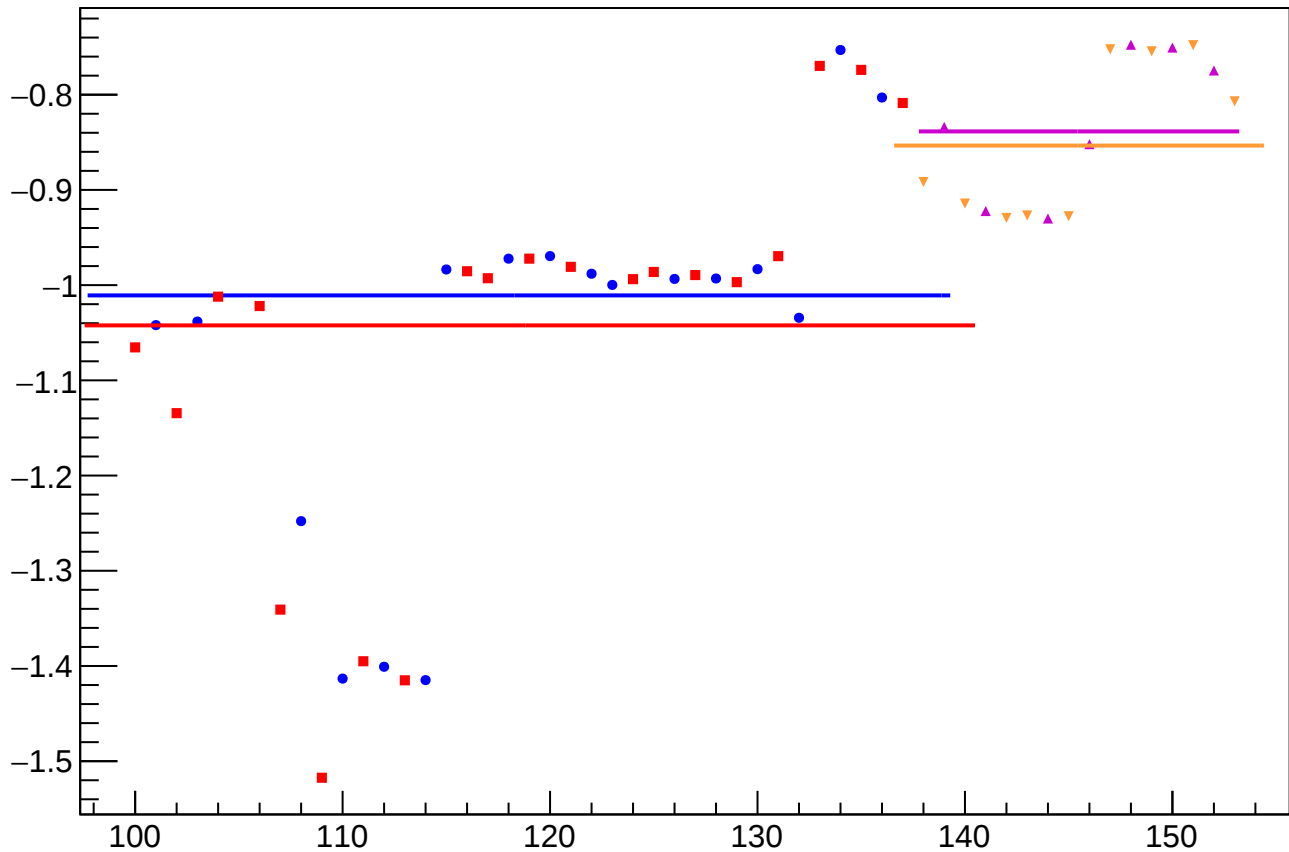
Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1285911.2/19

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:242916.3/6

0.012 $\pm$ 0.000 χ^2 /NDF: 1686052.8/25

0.012 $\pm$ 0.000 χ^2 /NDF: 1591135.5/26

yield_bpm4acX_mean vs Slug



Right In: -1.011+/-0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.853+/-0.000 χ^2/NDF : 85002383.7/8

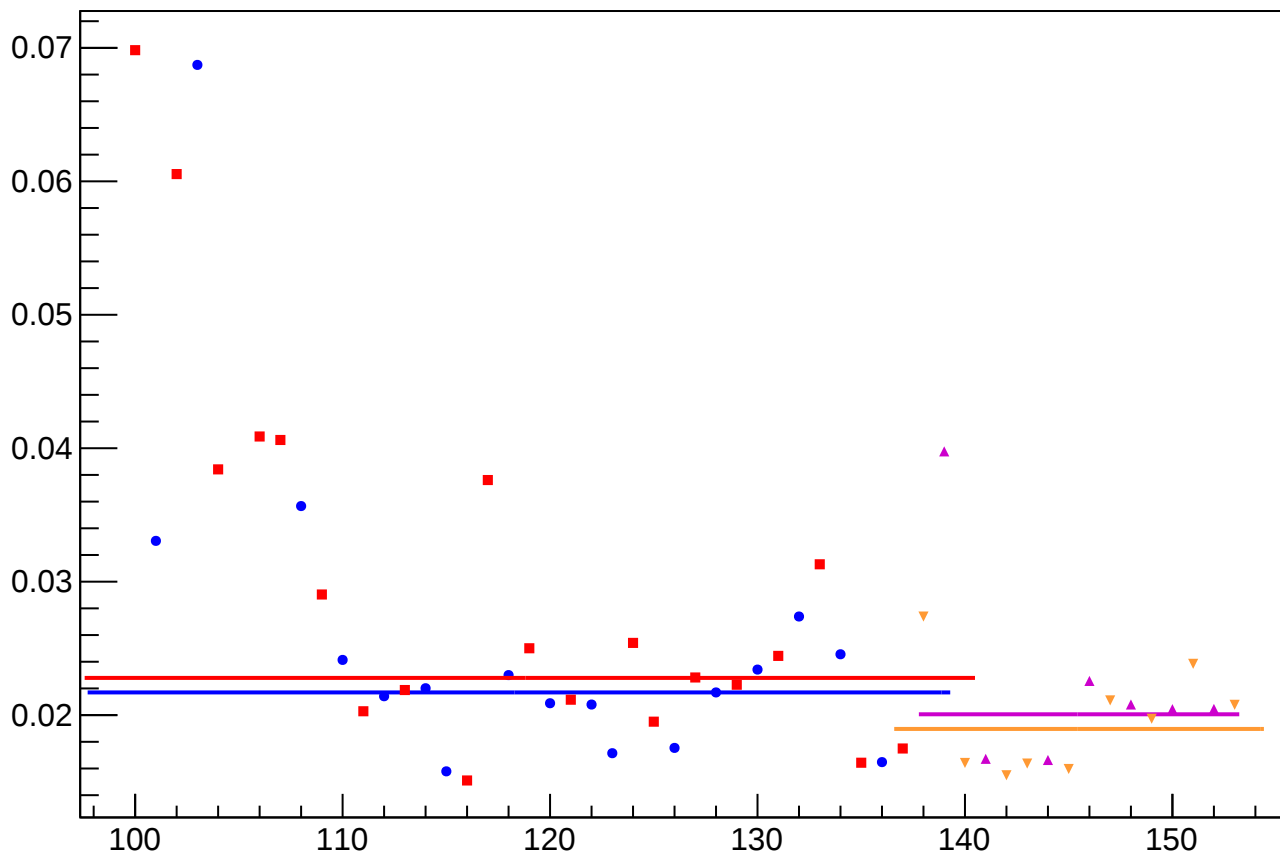
Right Out: -1.042+/-0.000 χ^2/NDF : 529028760.6/19

Left In: -0.839+/-0.000 χ^2/NDF : 66133386.3/6

-0.922+/-0.000 χ^2/NDF : 620847557.4/25

-0.937+/-0.000 χ^2/NDF : 814851344.2/26

yield_bpm4acX_rms vs Slug



Right In: 0.022 ± 0.000 χ^2/NDF : 979293.5/16

Left Out: 0.019 ± 0.000 χ^2/NDF : 310340.7/8

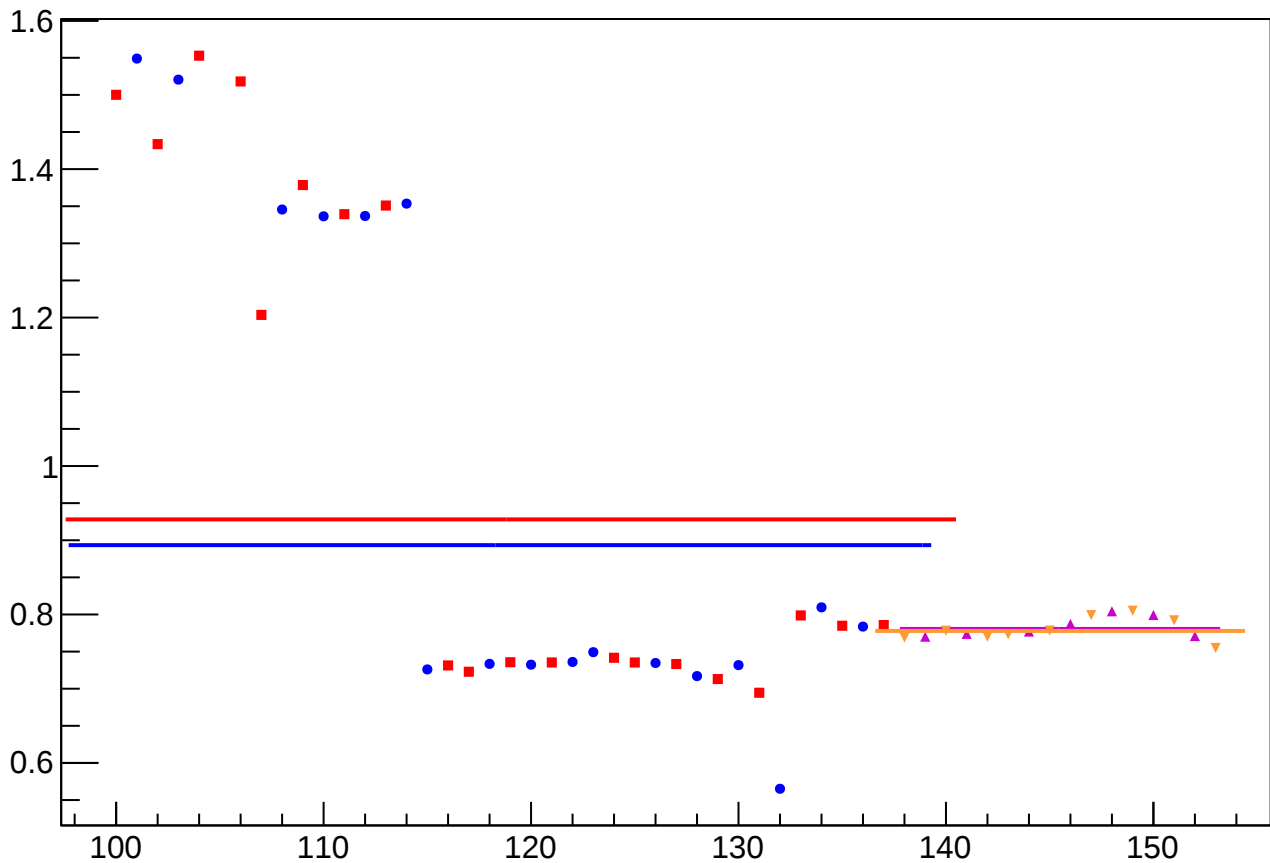
Right Out: 0.023 ± 0.000 χ^2/NDF : 1164870.4/19

Left In: 0.020 ± 0.000 χ^2/NDF : 471480.2/6

0.020 ± 0.000 χ^2/NDF : 1379550.8/25

0.021 ± 0.000 χ^2/NDF : 1715025.5/26

yield_bpm4acY_mean vs Slug



Right In: 0.893+/-0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.778+/-0.000 χ^2/NDF : 7910498.4/8

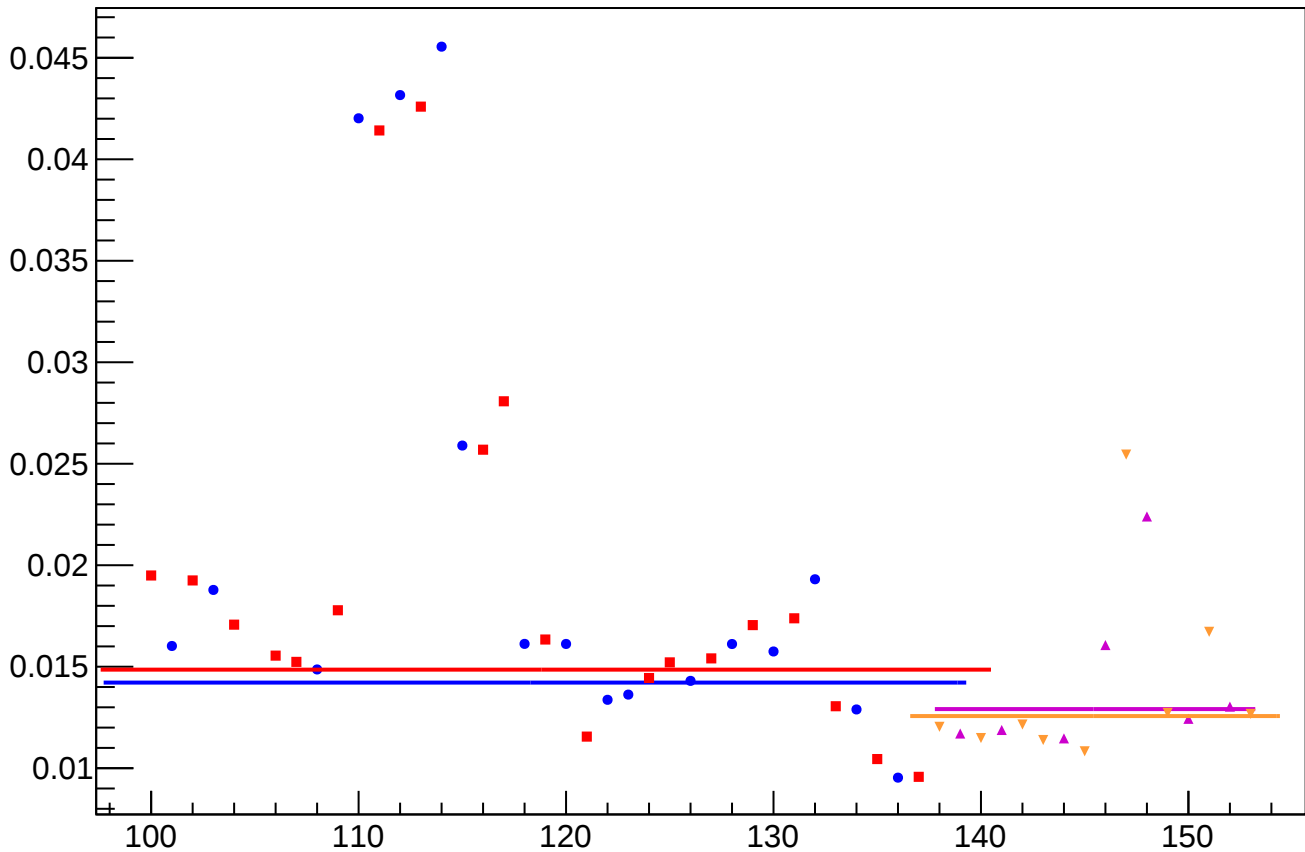
0.826+/-0.000 χ^2/NDF : 2629932326.6/25

Right Out: 0.928+/-0.000 χ^2/NDF : 2437683008.7/19

0.849+/-0.000 χ^2/NDF : 2761908961.3/26

Left In: 0.780+/-0.000 χ^2/NDF : 4259923.3/6

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1409594.2/16

Left Out: 0.013+/-0.000 χ^2/NDF : 537737.7/8

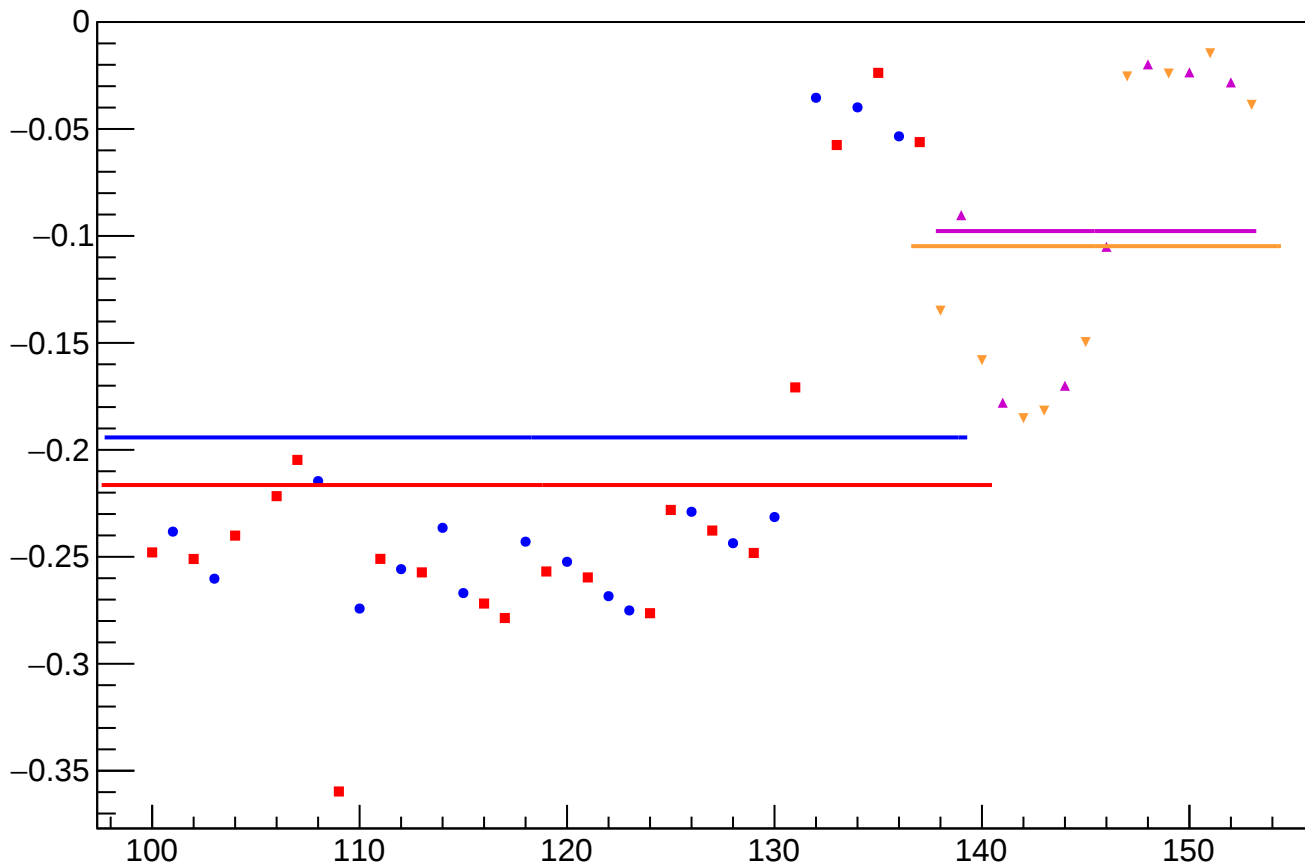
0.013+/-0.000 χ^2/NDF : 2034484.1/25

Right Out: 0.015+/-0.000 χ^2/NDF : 1286513.9/19

0.014+/-0.000 χ^2/NDF : 1782124.8/26

Left In: 0.013+/-0.000 χ^2/NDF : 384722.3/6

yield_bpm4ecX_mean vs Slug



Right In: -0.194+/-0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.105+/-0.000 χ^2/NDF : 67975778.2/8

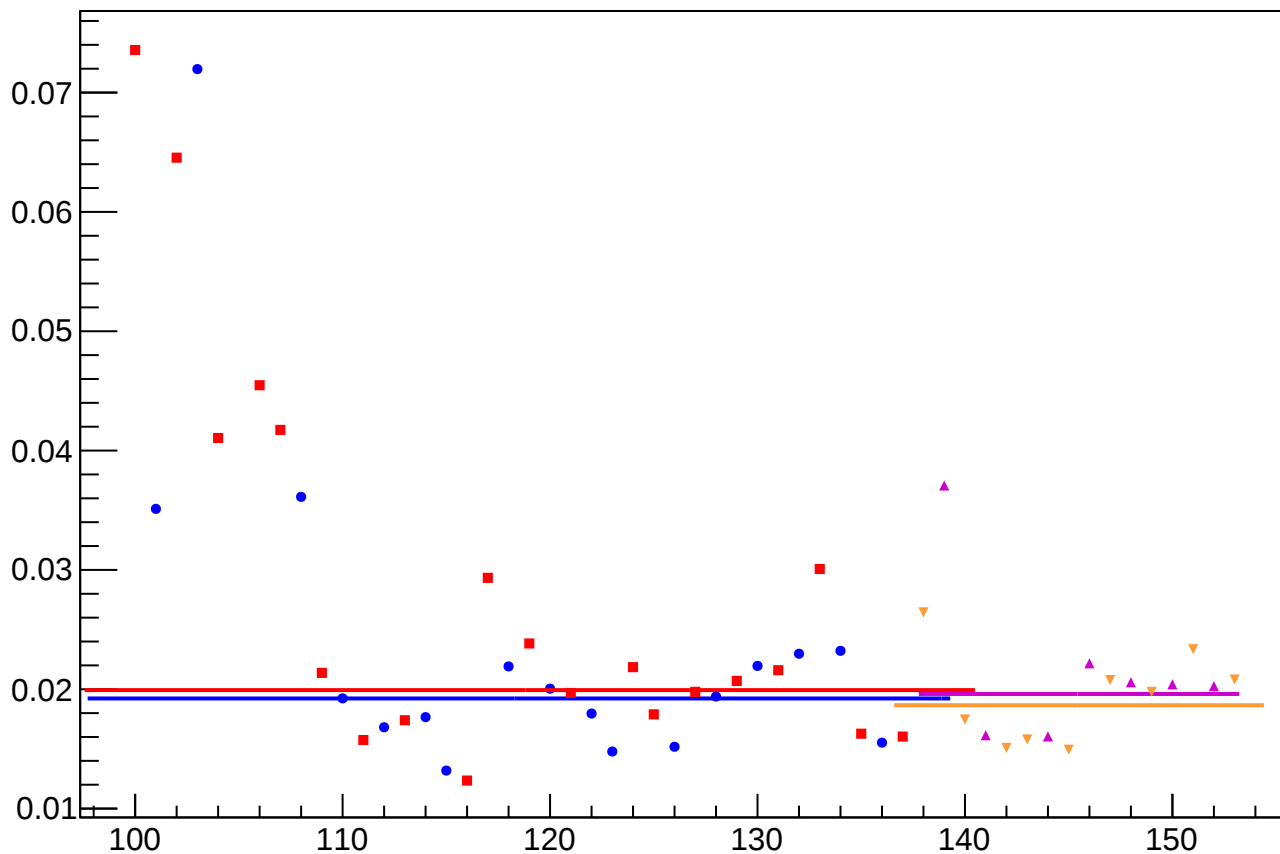
Right Out: -0.216+/-0.000 χ^2/NDF : 111217219.2/19

Left In: -0.098+/-0.000 χ^2/NDF : 54446049.9/6

-0.148+/-0.000 χ^2/NDF : 231639945.5/25

-0.161+/-0.000 χ^2/NDF : 252024644.9/26

yield_bpm4ecX_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF : 1174577.3/16

Left Out: 0.019+/-0.000 χ^2/NDF : 328503.5/8

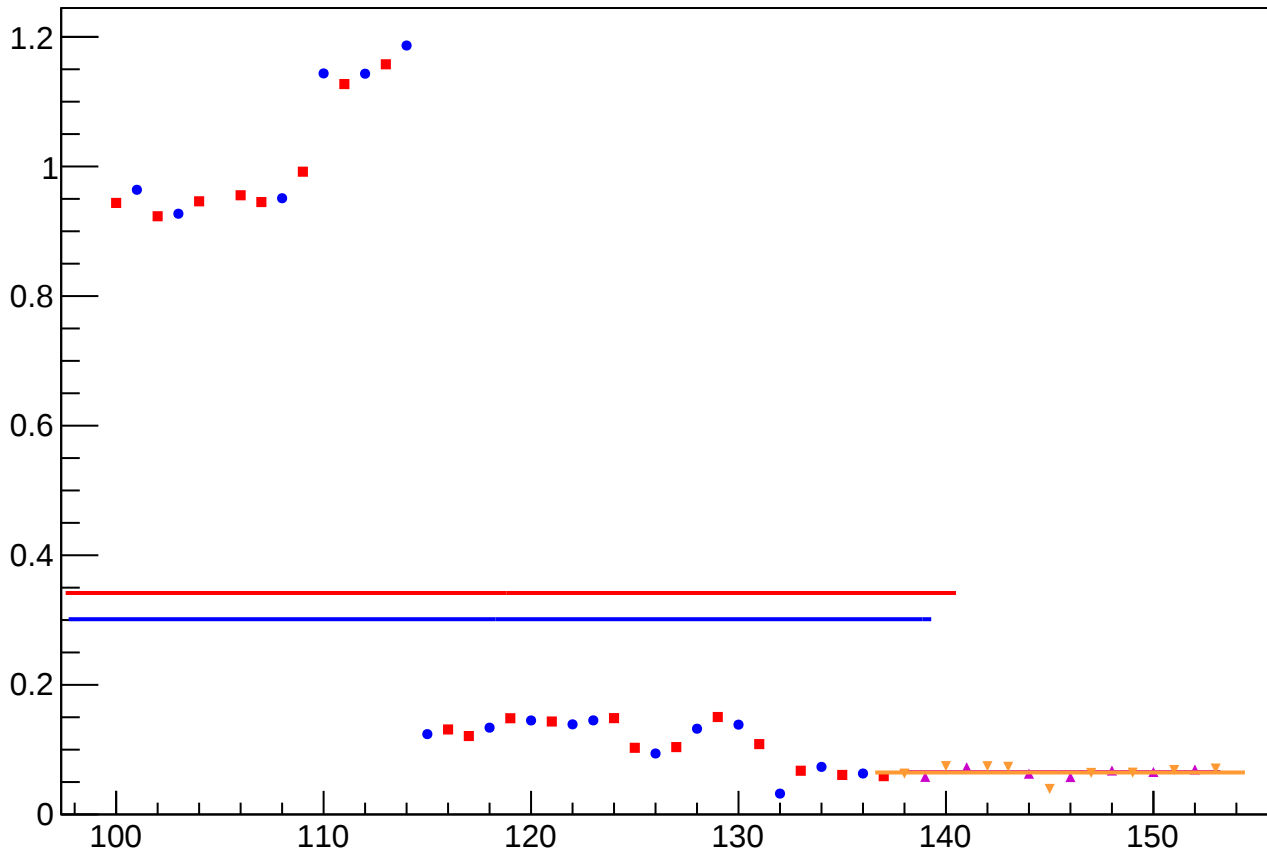
Right Out: 0.020+/-0.000 χ^2/NDF : 1452730.4/19

Left In: 0.020+/-0.000 χ^2/NDF : 459538.6/6

0.019+/-0.000 χ^2/NDF : 1507503.9/25

0.020+/-0.000 χ^2/NDF : 1913546.6/26

yield_bpm4ecY_mean vs Slug



Right In: 0.301+/-0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.065+/-0.000 χ^2/NDF : 6711766.8/8

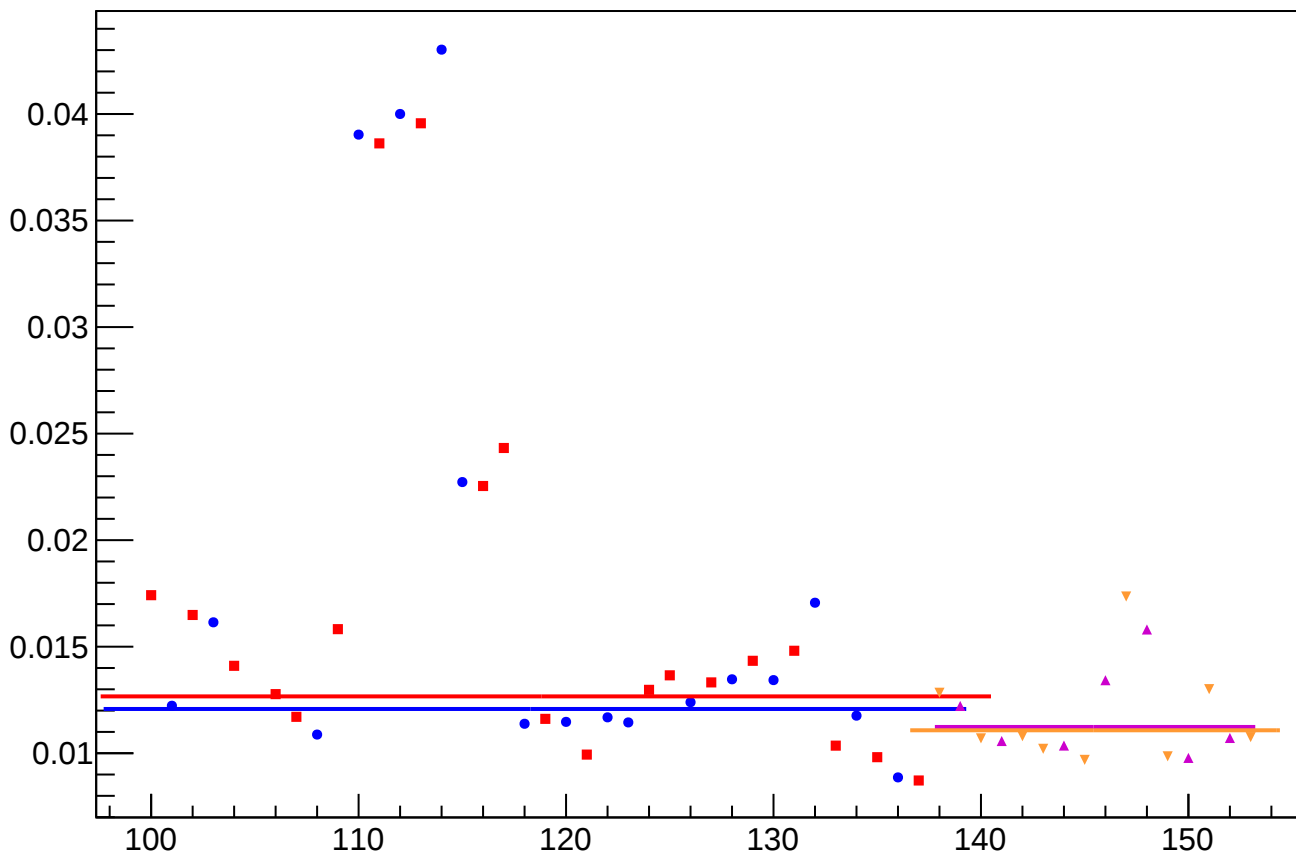
0.168+/-0.000 χ^2/NDF : 6375197709.5/25

Right Out: 0.342+/-0.000 χ^2/NDF : 5445885893.4/19

0.194+/-0.000 χ^2/NDF : 6956343913.6/26

Left In: 0.066+/-0.000 χ^2/NDF : 1087427.4/6

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 :322280.5/8

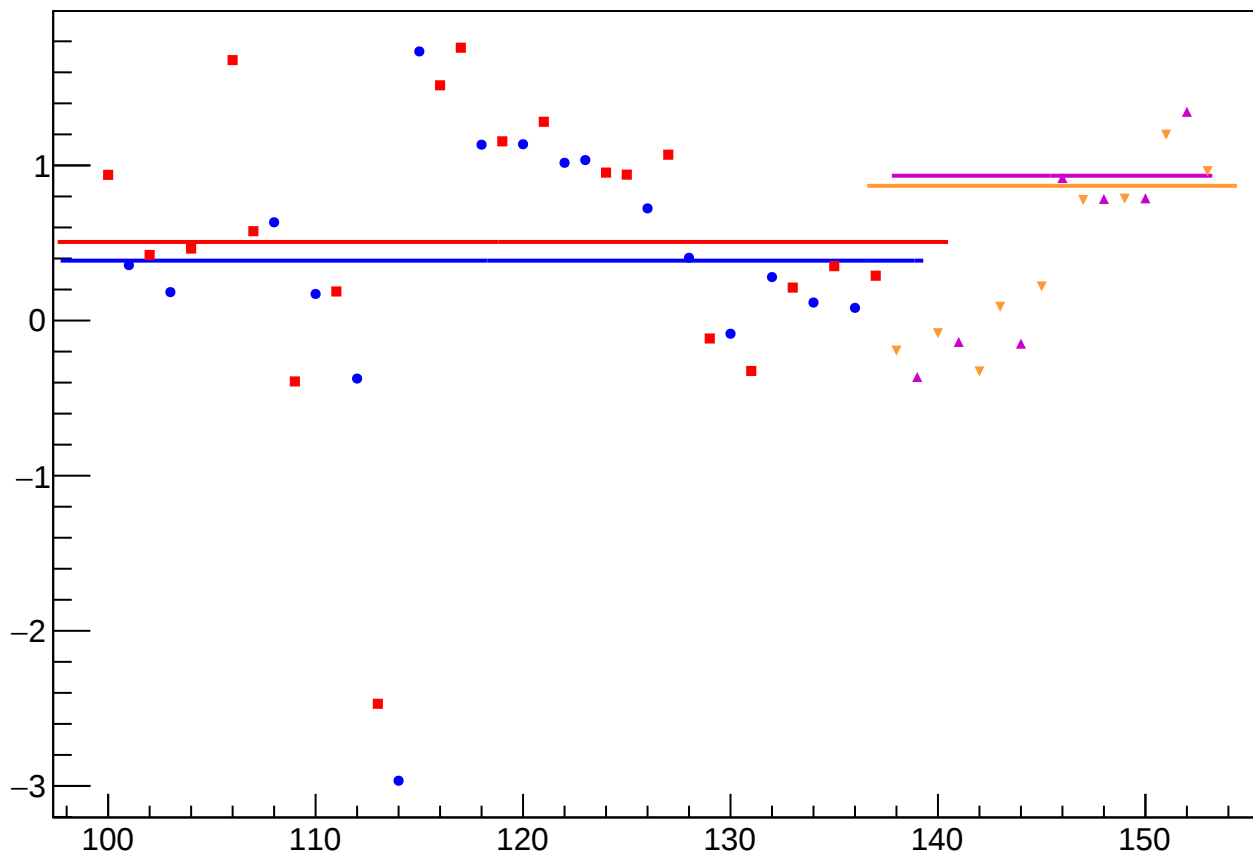
Right Out: 0.013+/-0.000 χ^2/NDF : 1253755.7/19

Left In: 0.011+/-0.000 χ^2/NDF :237363.8/6

0.012+/-0.000 χ^2/NDF : 1646022.9/25

0.012+/-0.000 χ^2/NDF : 1572536.3/26

yield_bpm1X_mean vs Slug



Right In: 0.386 ± 0.000 χ^2/NDF : 246380221.7/16

Left Out: 0.868 ± 0.000 χ^2/NDF : 668618618.1/8

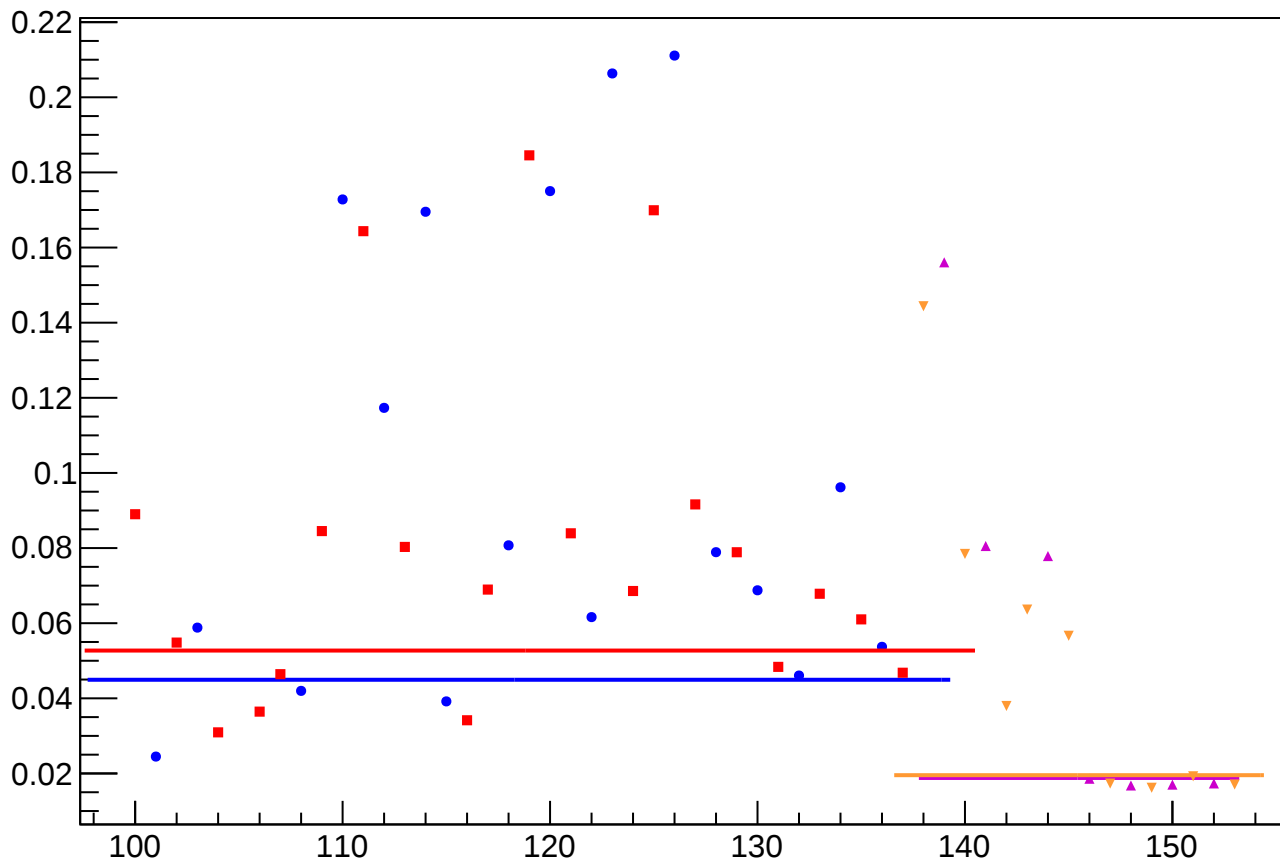
Right Out: 0.507 ± 0.000 χ^2/NDF : 995373603.6/19

Left In: 0.934 ± 0.000 χ^2/NDF : 745005522.1/6

0.796 ± 0.000 χ^2/NDF : 1260041738.7/25

0.875 ± 0.000 χ^2/NDF : 1975731454.0/26

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2788348.6/16

Left Out: 0.020+/-0.000 χ^2/NDF :2516851.1/8

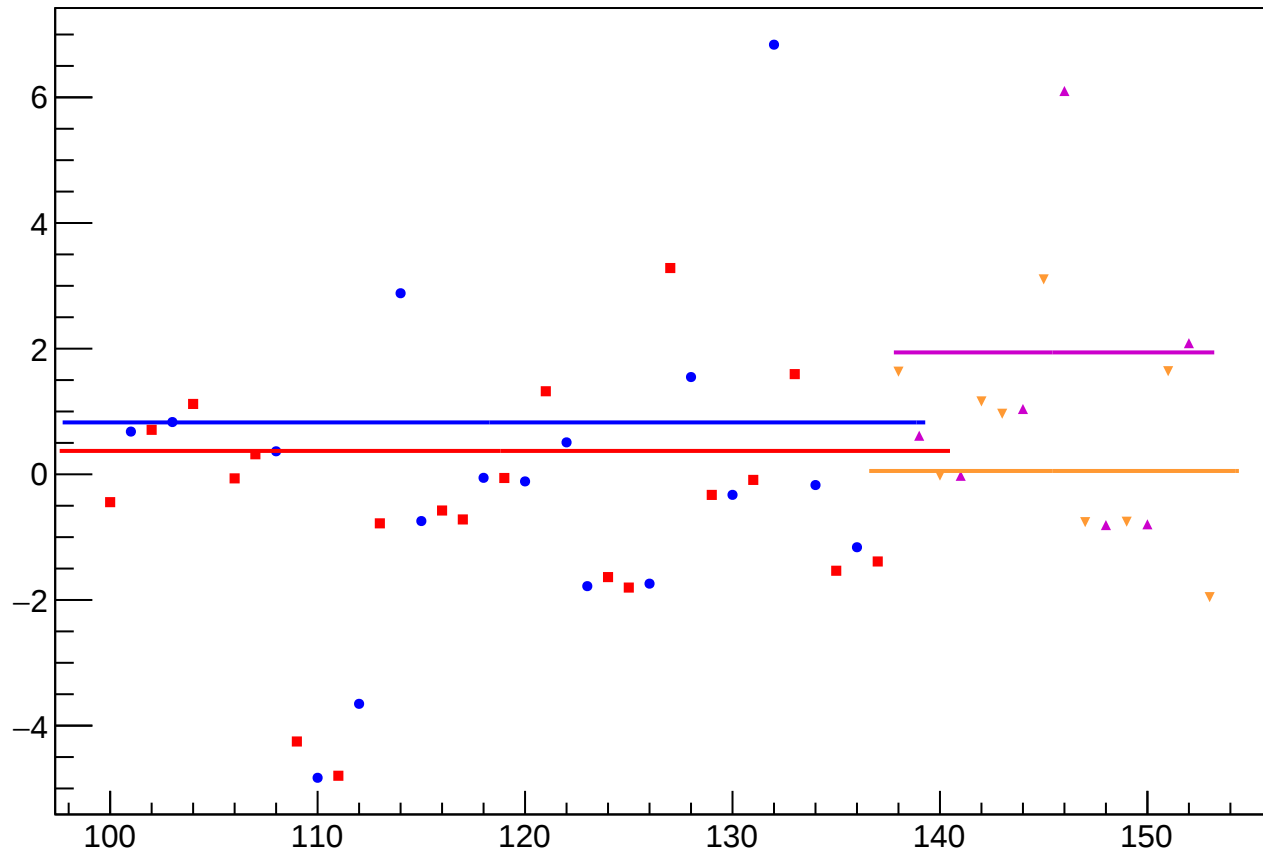
Right Out: 0.053+/-0.000 χ^2/NDF : 2195781.8/19

Left In: 0.019+/-0.000 χ^2/NDF :2202466.6/6

0.023+/-0.000 χ^2/NDF : 7219680.2/25

0.023+/-0.000 χ^2/NDF : 7369271.2/26

yield_bpm1Y_mean vs Slug



Right In: 0.826 ± 0.000 χ^2/NDF : 10945455664.9/16

Left Out: 0.053 ± 0.000 χ^2/NDF : 51017921847.3/8

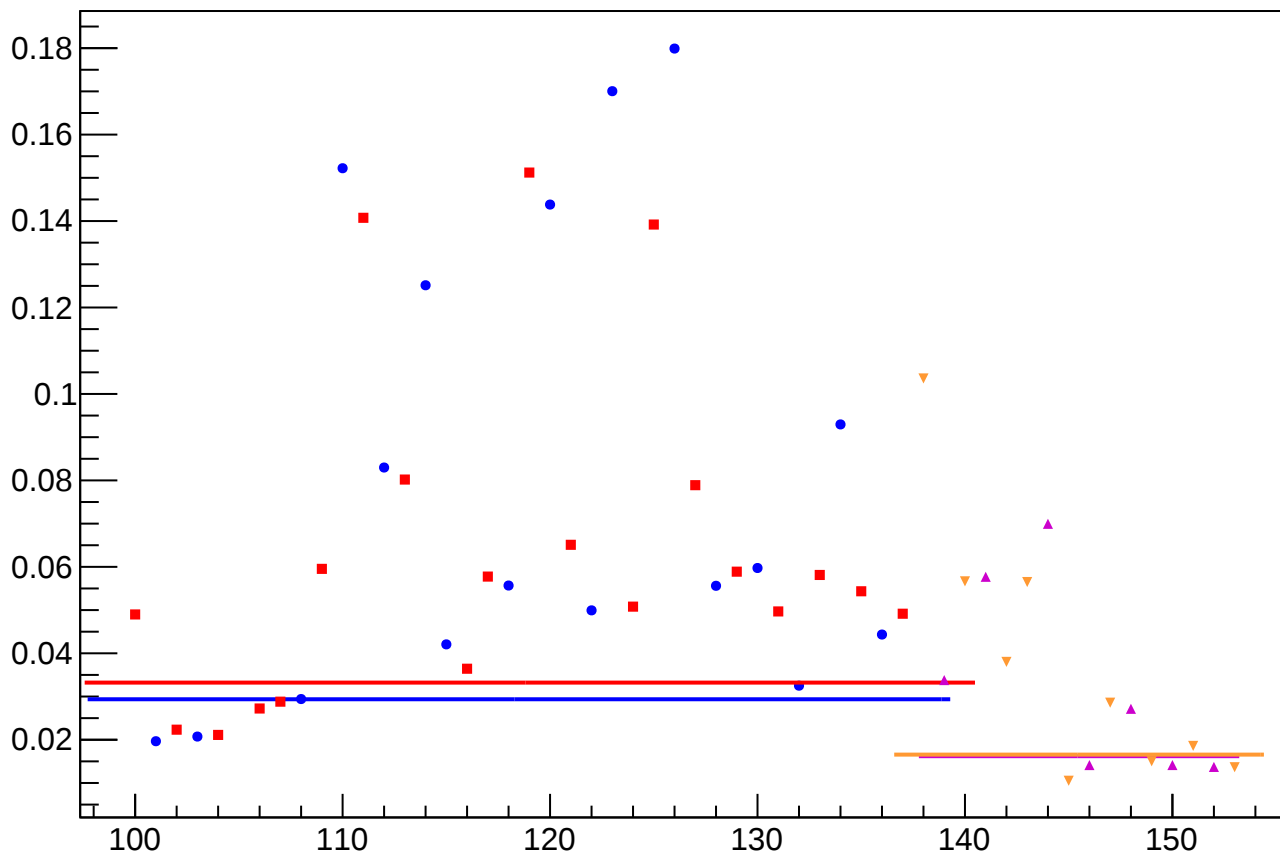
Right Out: 0.372 ± 0.000 χ^2/NDF : 4960201861.0/19

Left In: 1.940 ± 0.000 χ^2/NDF : 100326477110.7/6

0.223 ± 0.000 χ^2/NDF : 63795299098.2/25

1.616 ± 0.000 χ^2/NDF : 112117293949.9/26

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.017+/-0.000 χ^2/NDF :2436515.1/8

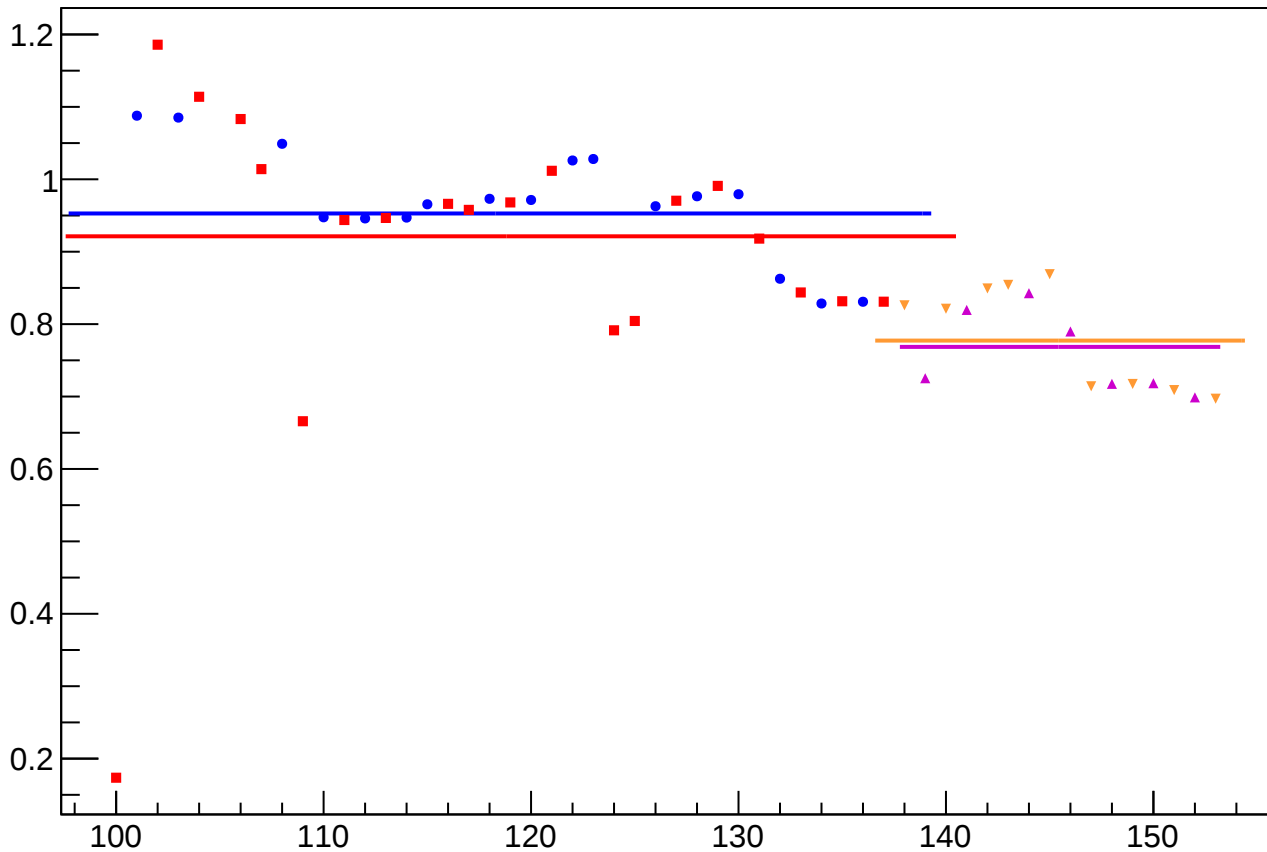
Right Out: 0.033+/-0.000 χ^2/NDF : 3112299.1/19

Left In: 0.016+/-0.000 χ^2/NDF :1613017.0/6

0.019+/-0.000 χ^2/NDF : 6429734.1/25

0.020+/-0.000 χ^2/NDF : 6336096.8/26

yield_bpm11X_mean vs Slug



Right In: 0.953 ± 0.000 χ^2/NDF : 175750243.6/16

Left Out: 0.777 ± 0.000 χ^2/NDF : 170021643.0/8

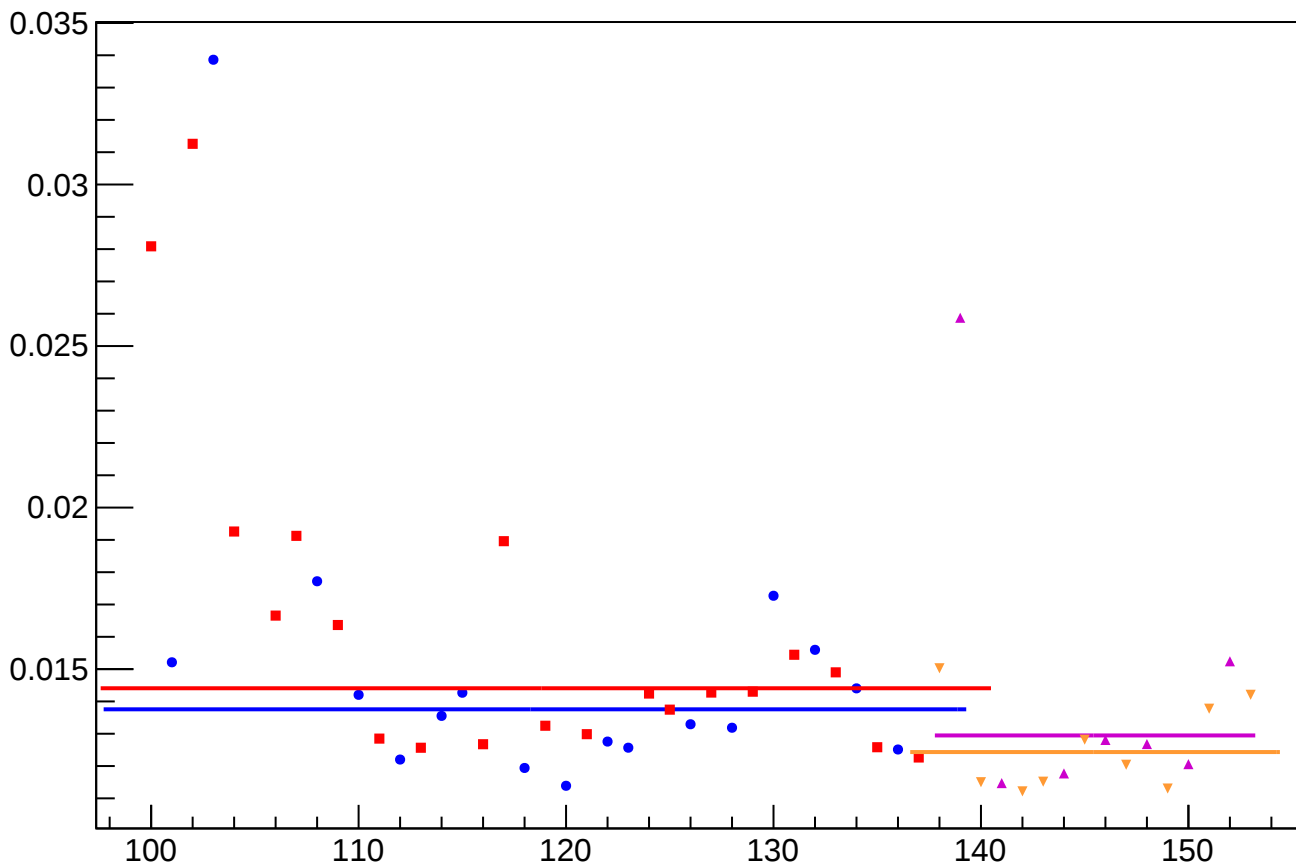
0.857 ± 0.000 χ^2/NDF : 856519012.7/25

Right Out: 0.921 ± 0.000 χ^2/NDF : 374306248.8/19

0.845 ± 0.000 χ^2/NDF : 808347377.9/26

Left In: 0.769 ± 0.000 χ^2/NDF : 89701114.9/6

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 : 112914.3/8

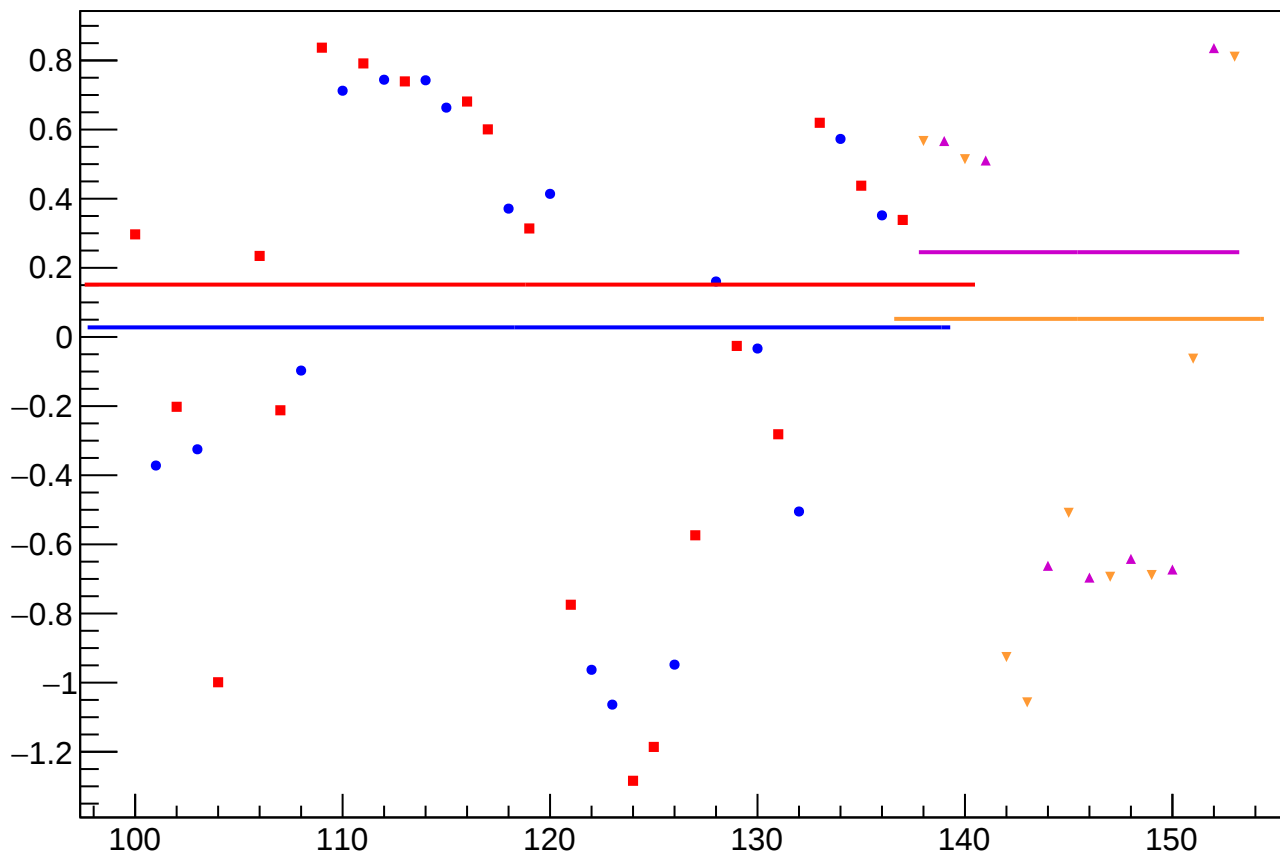
Right Out: 0.014+/-0.000 χ^2/NDF : 508622.9/19

Left In: 0.013+/-0.000 χ^2/NDF : 432037.1/6

0.013+/-0.000 χ^2/NDF : 709385.7/25

0.014+/-0.000 χ^2/NDF : 1003635.1/26

yield_bpm11Y_mean vs Slug



Right In: 0.028 $\pm$ 0.000 χ^2 /NDF: 6276955529.7/16

Left Out: 0.052 $\pm$ 0.000 χ^2 /NDF:19037326169.5/8

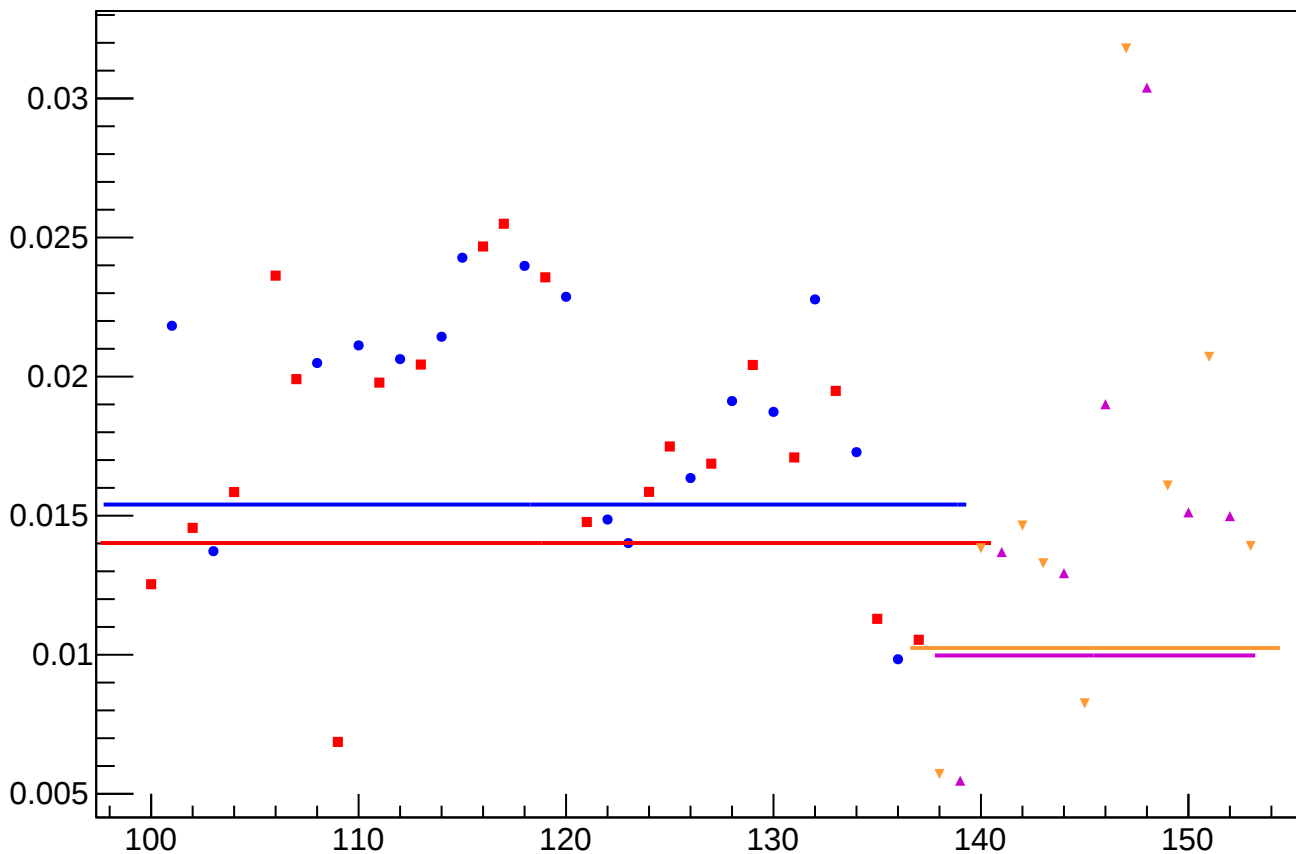
Right Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 12665480117.0/19

Left In: 0.245 $\pm$ 0.000 χ^2 /NDF:13451806887.9/6

0.044 $\pm$ 0.000 χ^2 /NDF: 25323708782.1/25

0.207 $\pm$ 0.000 χ^2 /NDF: 26266441356.8/26

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1141655.8/16

Left Out: 0.010+/-0.000 χ^2/NDF : 2417832.9/8

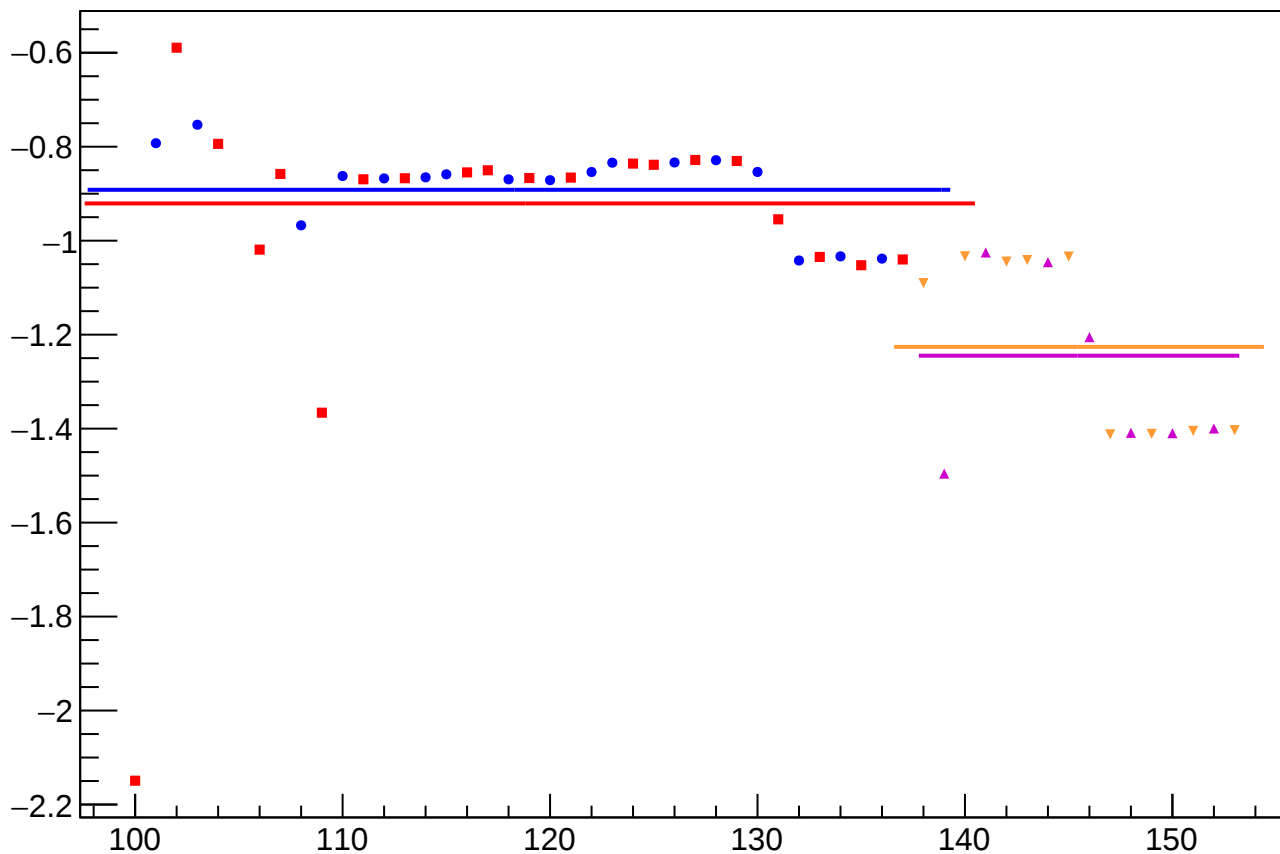
Right Out: 0.014+/-0.000 χ^2/NDF : 1576882.7/19

Left In: 0.010+/-0.000 χ^2/NDF : 2496253.7/6

0.012+/-0.000 χ^2/NDF : 4388576.4/25

0.012+/-0.000 χ^2/NDF : 4628306.9/26

yield_bpm12X_mean vs Slug



Right In: -0.892+/-0.000 χ^2/NDF : 39793337.2/16

Left Out: -1.226+/-0.000 χ^2/NDF :185757060.8/8

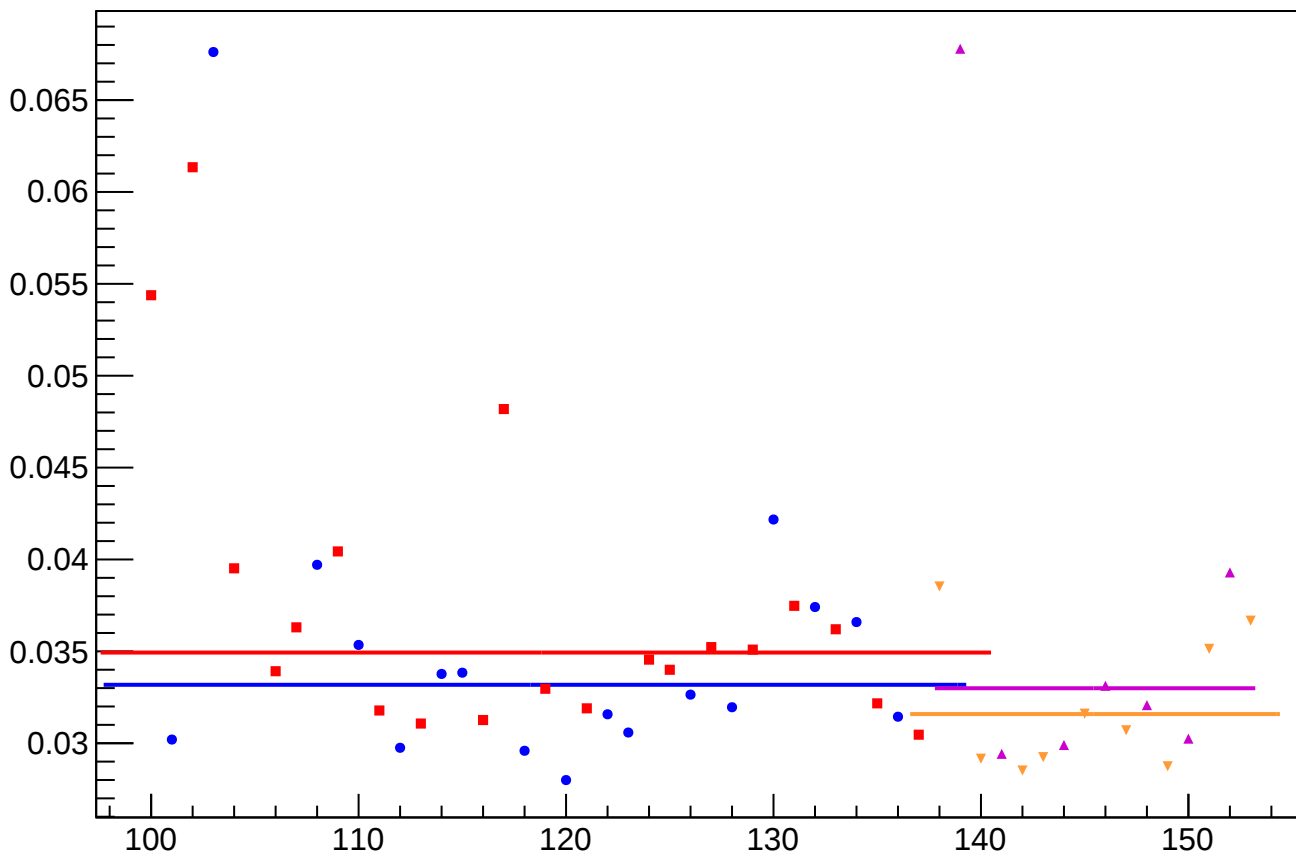
Right Out: -0.921+/-0.000 χ^2/NDF : 131248005.3/19

Left In: -1.245+/-0.000 χ^2/NDF :137286360.7/6

-1.064+/-0.000 χ^2/NDF : 529066348.7/25

-1.074+/-0.000 χ^2/NDF : 519815781.8/26

yield_bpm12X_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF : 400106.0/16

Left Out: 0.032+/-0.000 χ^2/NDF :120718.9/8

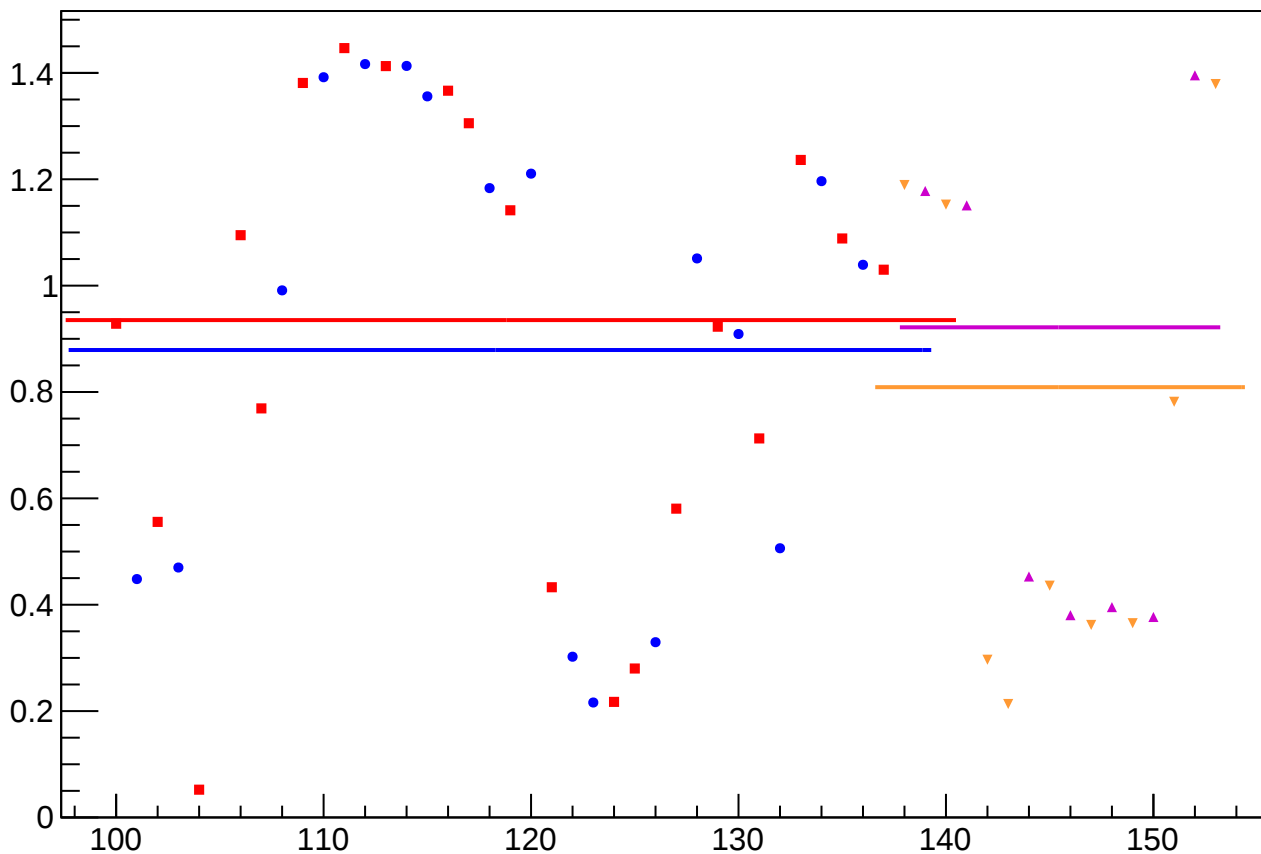
Right Out: 0.035+/-0.000 χ^2/NDF : 281256.5/19

Left In: 0.033+/-0.000 χ^2/NDF :458826.2/6

0.032+/-0.000 χ^2/NDF : 534624.5/25

0.034+/-0.000 χ^2/NDF : 758142.1/26

yield_bpm12Y_mean vs Slug



Right In: 0.879+/-0.000 χ^2/NDF : 6371602566.2/16

Left Out: 0.809+/-0.000 χ^2/NDF :15070480738.7/8

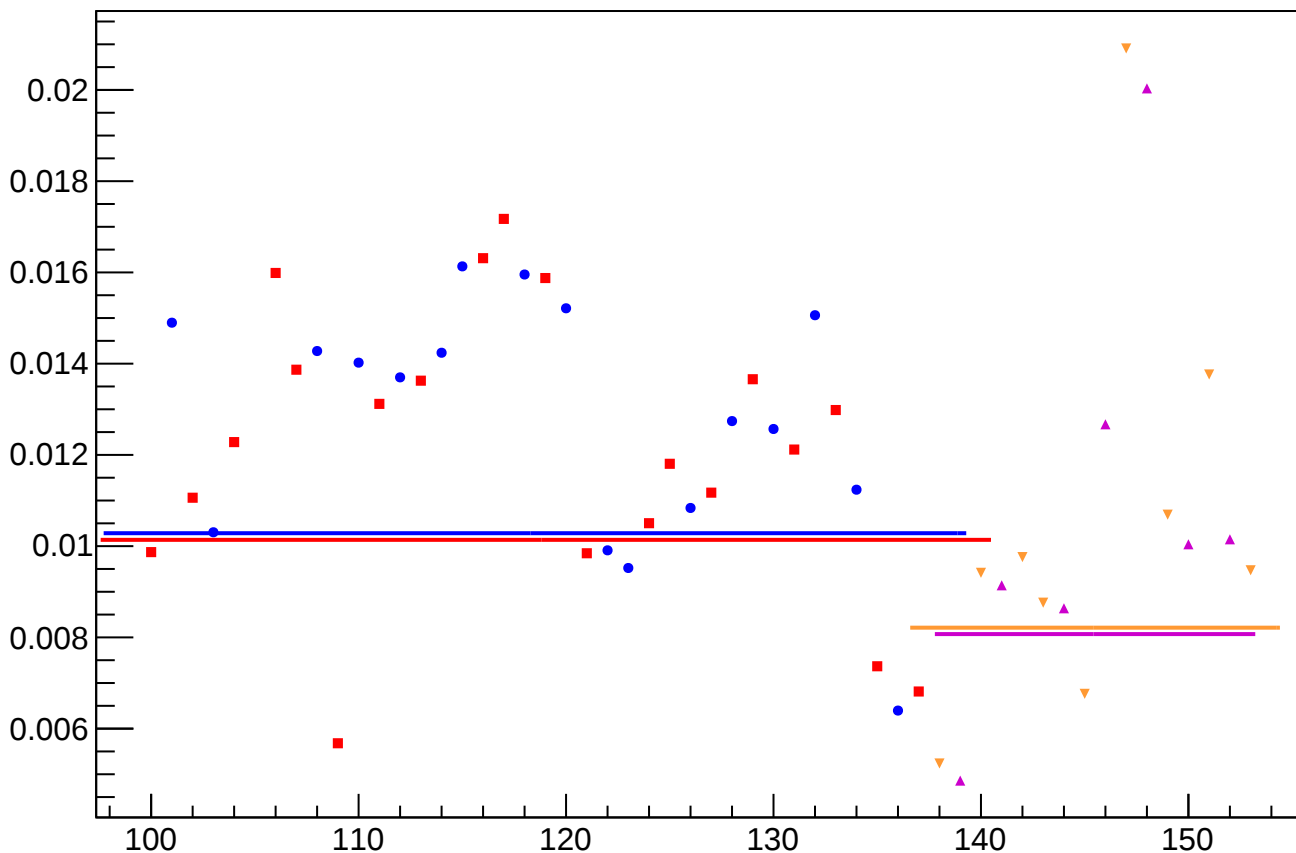
Right Out: 0.935+/-0.000 χ^2/NDF : 9844960466.1/19

Left In: 0.922+/-0.000 χ^2/NDF :10901617150.7/6

0.837+/-0.000 χ^2/NDF : 21597472261.0/25

0.928+/-0.000 χ^2/NDF : 20752434655.9/26

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1207460.1/16

Left Out: 0.008 $\pm$ 0.000 χ^2 /NDF:1433054.0/8

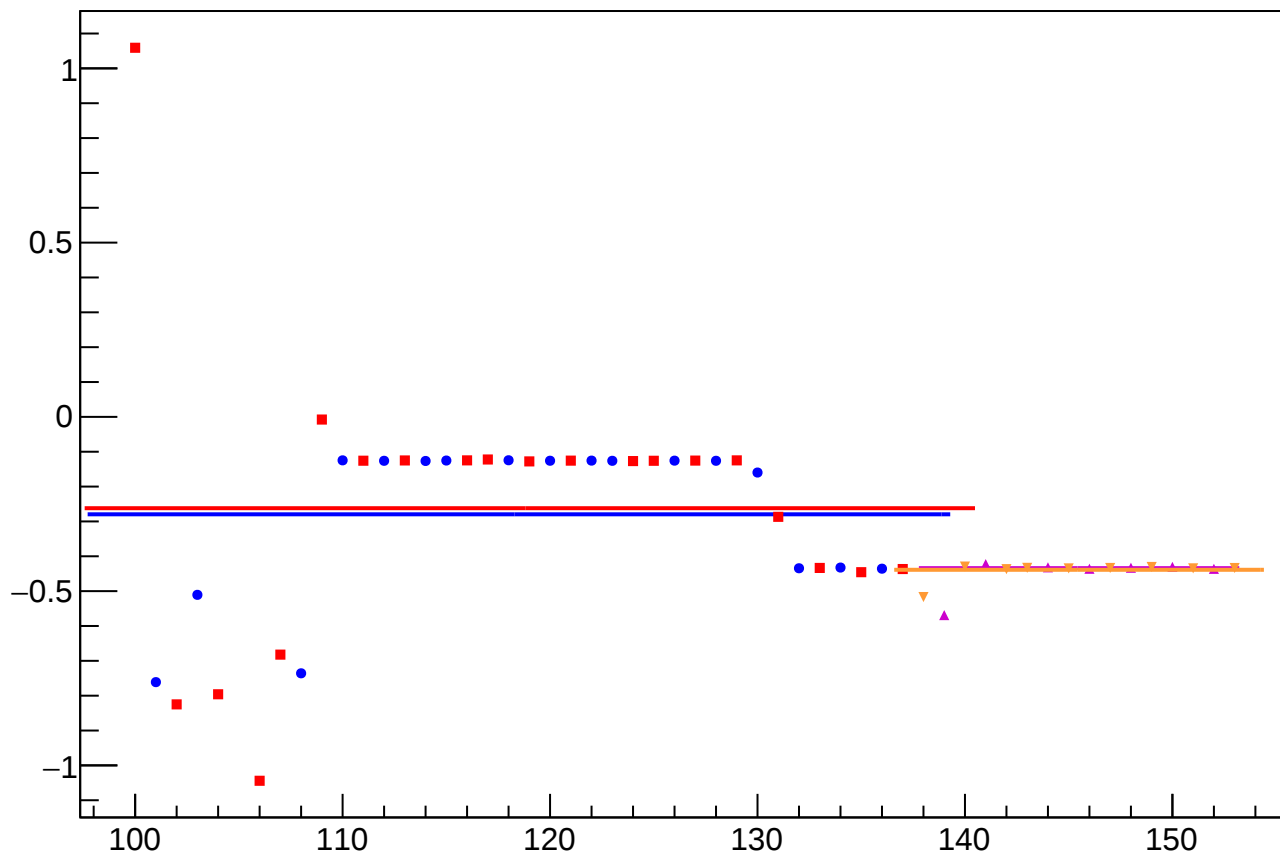
Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1189529.0/19

Left In: 0.008 $\pm$ 0.000 χ^2 /NDF:1483342.0/6

0.009 $\pm$ 0.000 χ^2 /NDF: 2913425.2/25

0.009 $\pm$ 0.000 χ^2 /NDF: 2944143.8/26

yield_bpm16X_mean vs Slug



Right In: -0.280 ± 0.000 χ^2/NDF : 929210245.5/16

Left Out: -0.439 ± 0.000 χ^2/NDF : 23985677.5/8

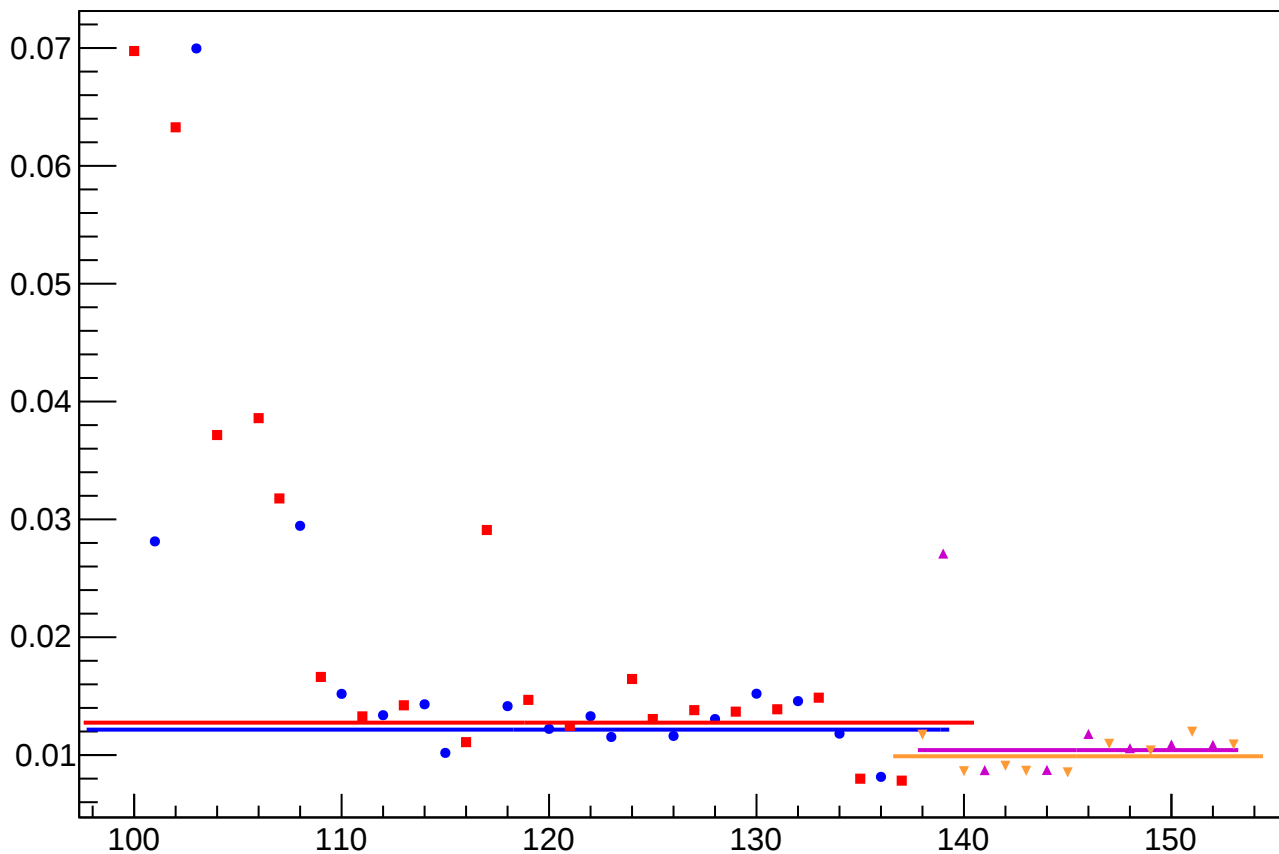
Right Out: -0.262 ± 0.000 χ^2/NDF : 1007161741.8/19

Left In: -0.434 ± 0.000 χ^2/NDF : 18858581.0/6

-0.380 ± 0.000 χ^2/NDF : 1454242253.5/25

-0.362 ± 0.000 χ^2/NDF : 1539297027.8/26

yield_bpm16X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 1722777.4/16

Left Out: 0.010+/-0.000 χ^2/NDF : 174907.3/8

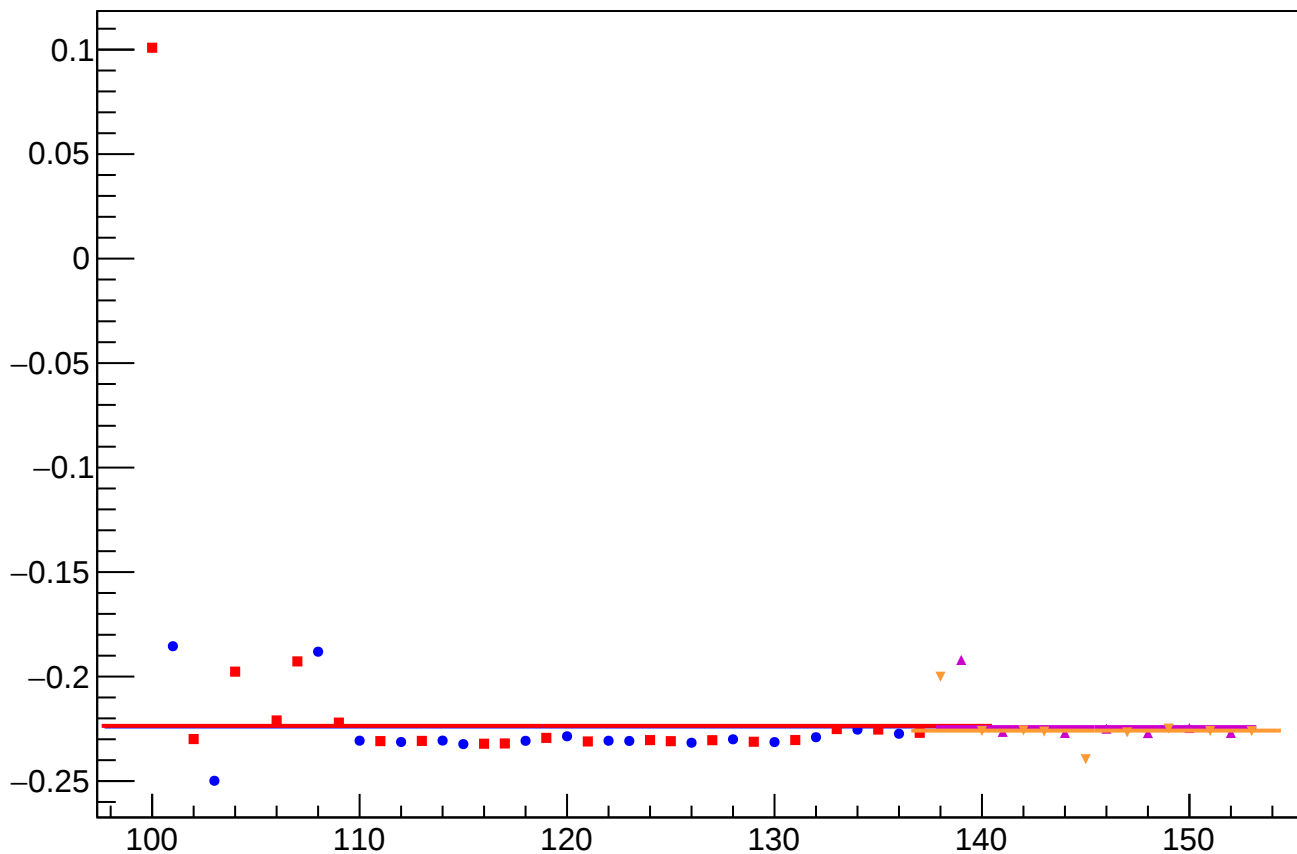
Right Out: 0.013+/-0.000 χ^2/NDF : 1991972.4/19

Left In: 0.010+/-0.000 χ^2/NDF : 658997.1/6

0.011+/-0.000 χ^2/NDF : 2099584.9/25

0.011+/-0.000 χ^2/NDF : 2839289.4/26

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 : 20515778.9/8

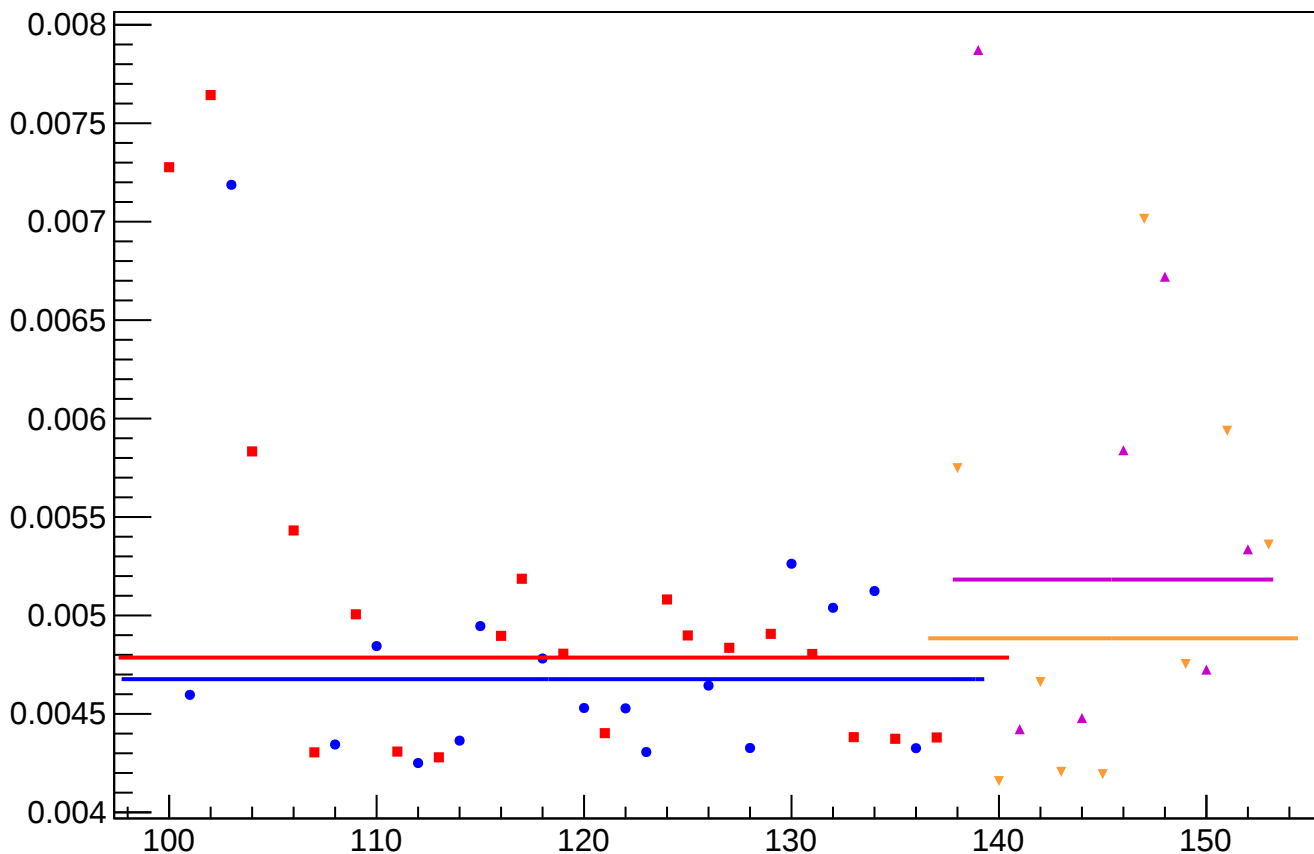
Right Out: -0.224+/-0.000 χ^2/NDF : 168229582.1/19

Left In: -0.224+/-0.000 χ^2/NDF : 12326461.7/6

-0.225+/-0.000 χ^2/NDF : 95623479.8/25

-0.224+/-0.000 χ^2/NDF : 180596145.8/26

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 : 345009.6/8

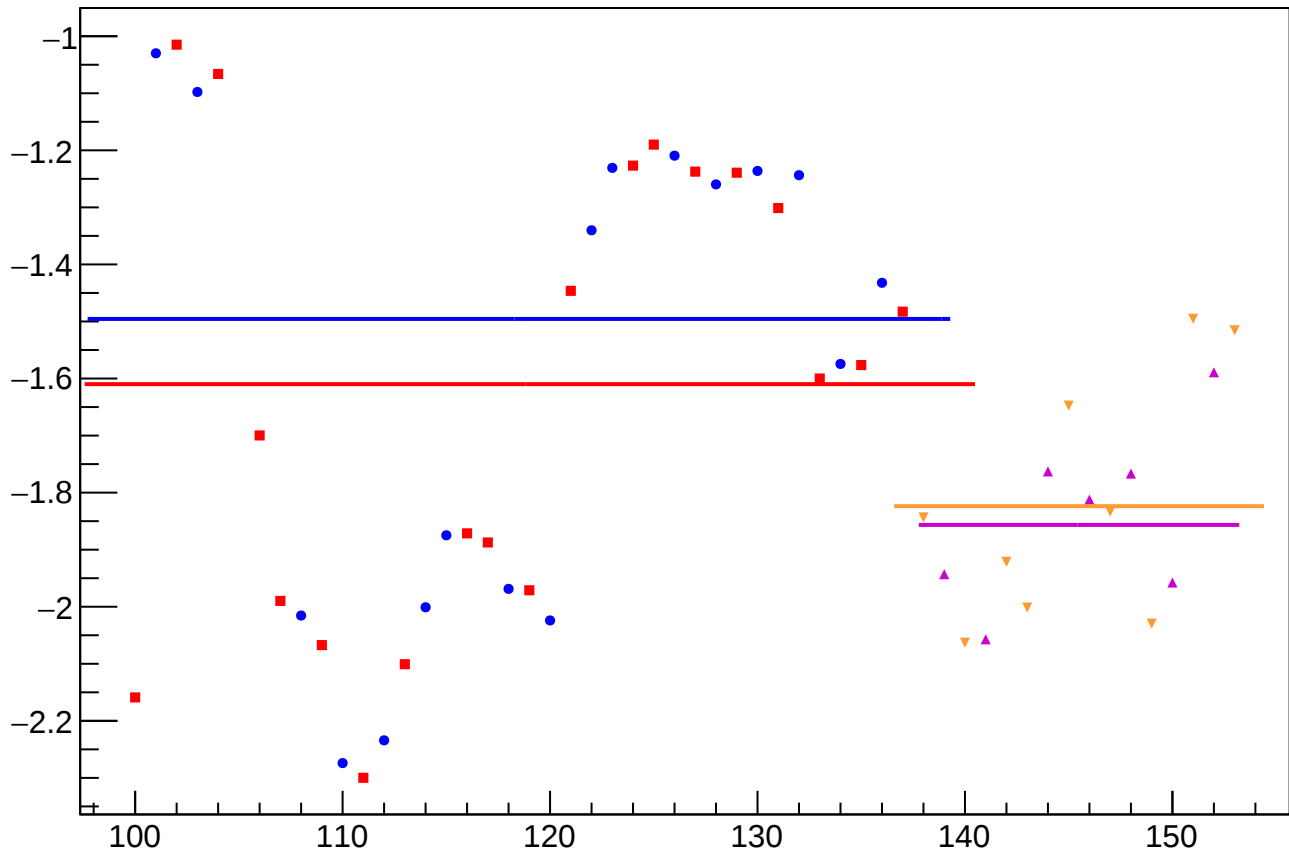
Right Out: 0.005+/-0.000 χ^2/NDF : 248745.3/19

Left In: 0.005+/-0.000 χ^2/NDF : 359927.5/6

0.005+/-0.000 χ^2/NDF : 537003.5/25

0.005+/-0.000 χ^2/NDF : 644588.6/26

yield_bpm0l01X_mean vs Slug



Right In: -1.496 ± 0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.824 ± 0.000 χ^2/NDF : 7552079590.5/8

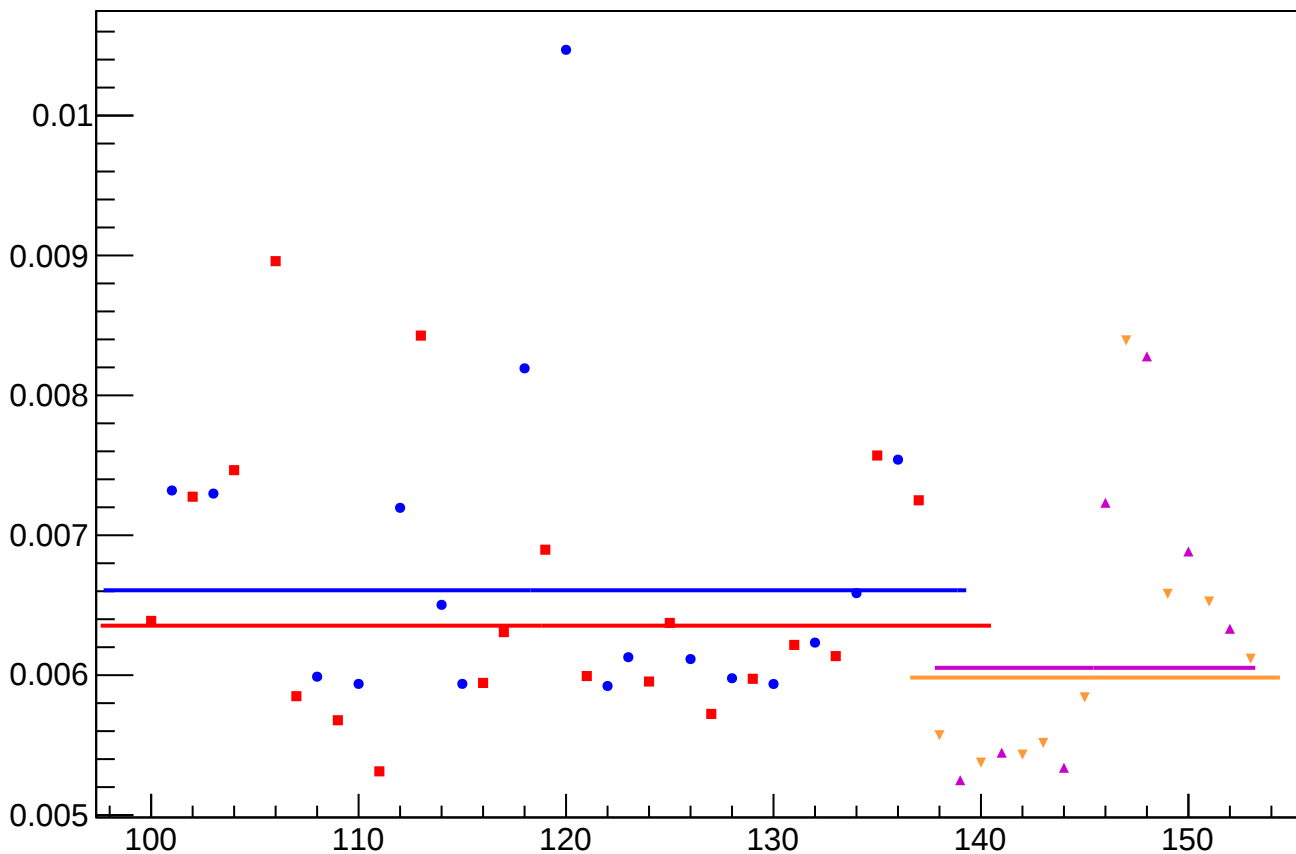
Right Out: -1.610 ± 0.000 χ^2/NDF : 27936032778.6/19

Left In: -1.857 ± 0.000 χ^2/NDF : 3243196462.7/6

-1.677 ± 0.000 χ^2/NDF : 38319211432.6/25

-1.724 ± 0.000 χ^2/NDF : 35823350345.9/26

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 :184677.0/8

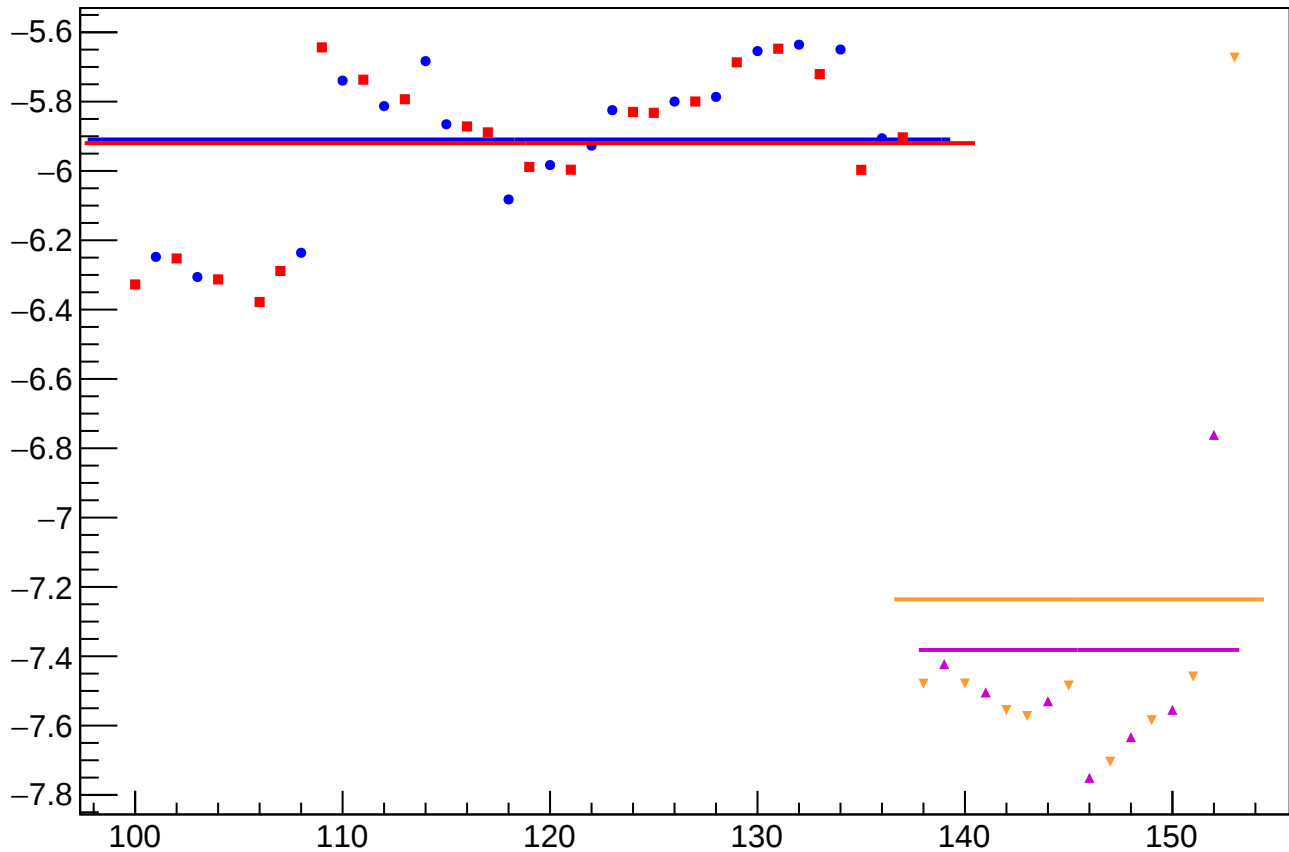
Right Out: 0.006+/-0.000 χ^2/NDF : 227292.5/19

Left In: 0.006+/-0.000 χ^2/NDF :249580.0/6

0.006+/-0.000 χ^2/NDF : 445689.2/25

0.006+/-0.000 χ^2/NDF : 490735.7/26

yield_bpm0l01Y_mean vs Slug



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -7.236+/-0.000 χ^2/NDF : 38255060197.4/8

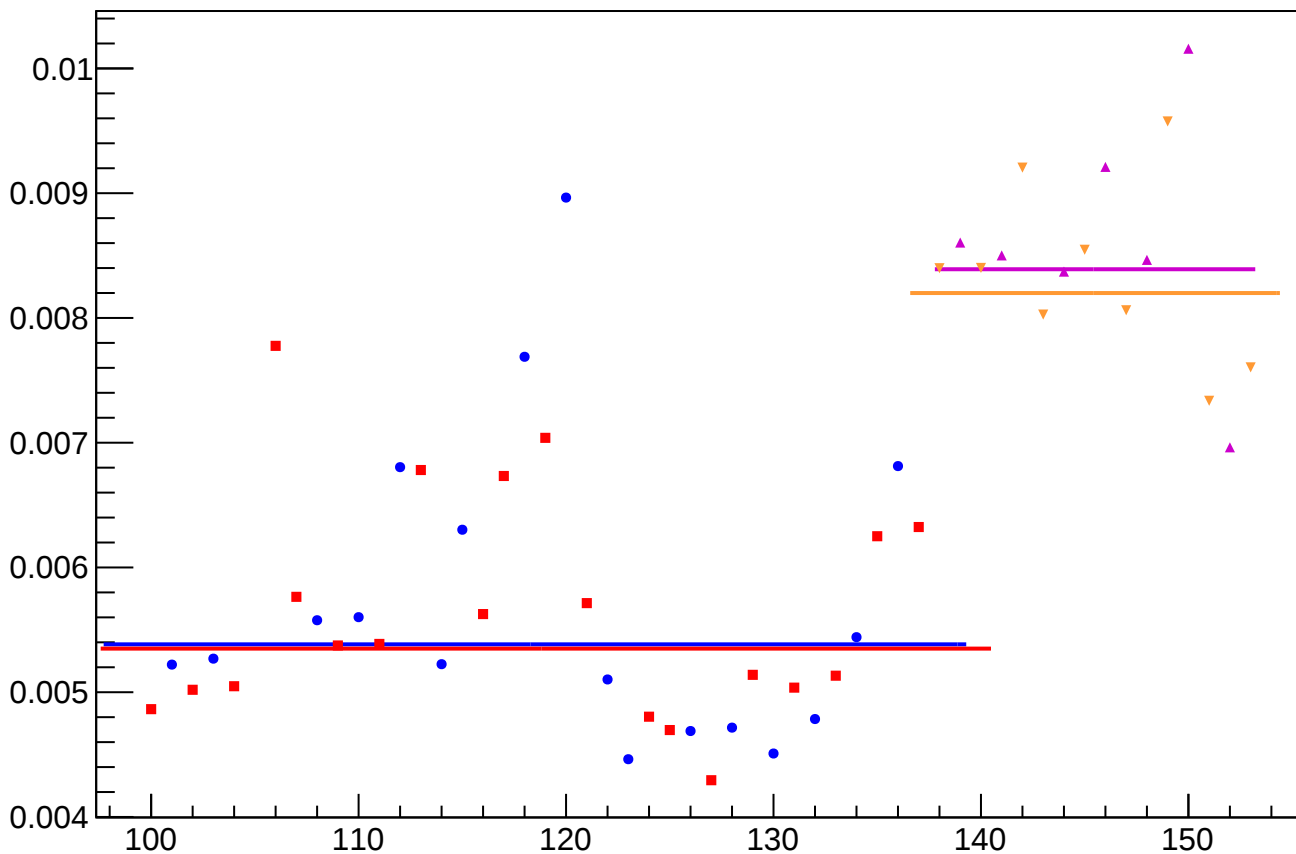
Right Out: -5.920+/-0.000 χ^2/NDF : 12786104538.4/19

Left In: -7.382+/-0.000 χ^2/NDF : 8117407709.4/6

-6.288+/-0.000 χ^2/NDF : 150940431978.8/25

-6.262+/-0.000 χ^2/NDF : 132913412239.2/26

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 : 67865.6/8

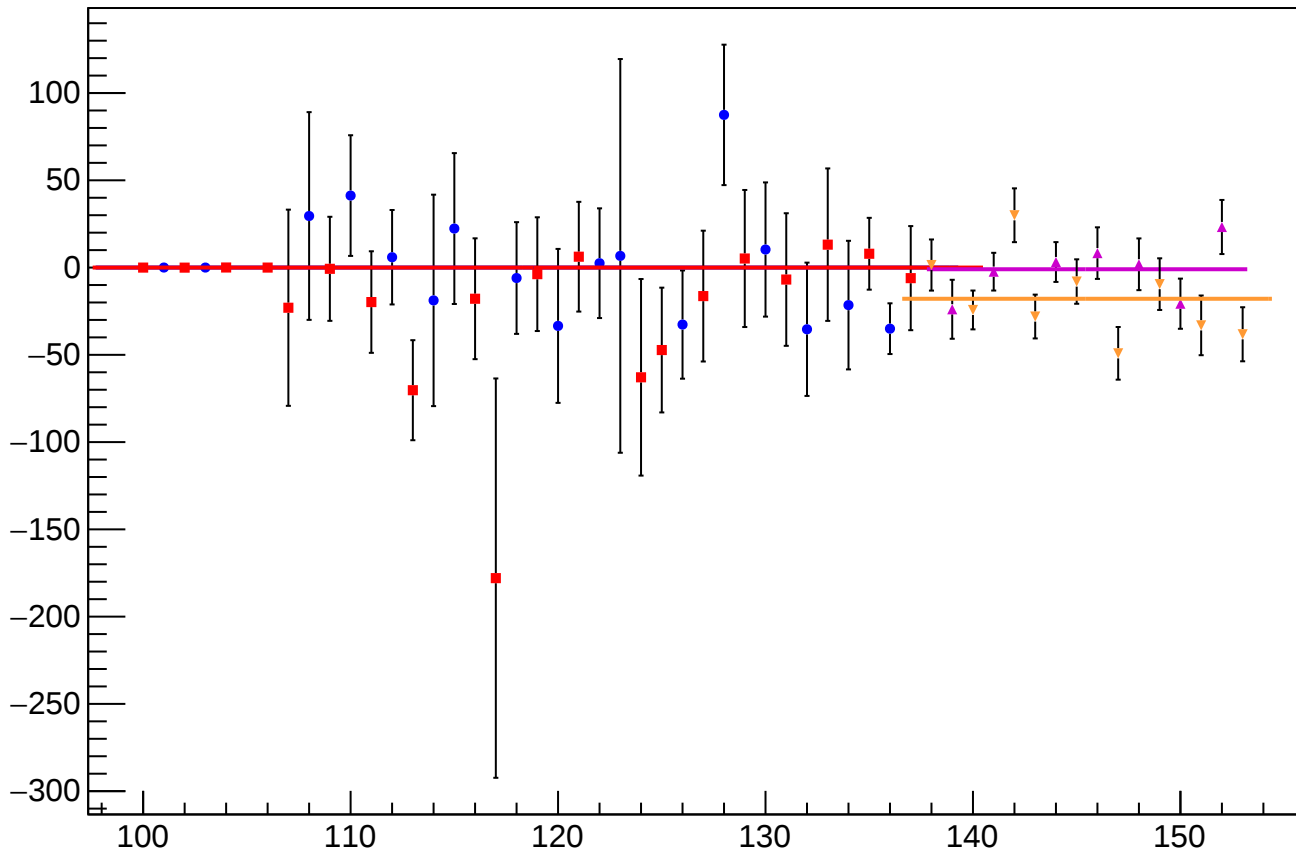
Right Out: 0.005+/-0.000 χ^2/NDF : 247999.6/19

Left In: 0.008+/-0.000 χ^2/NDF : 117641.0/6

0.006+/-0.000 χ^2/NDF : 1330631.5/25

0.006+/-0.000 χ^2/NDF : 1334771.9/26

diff_cav4bX_mean vs Slug



Right In: 0.013 ± 0.017 χ^2/NDF : 15.8/16

Left Out: -17.875 ± 4.662 χ^2/NDF : 20.1/8

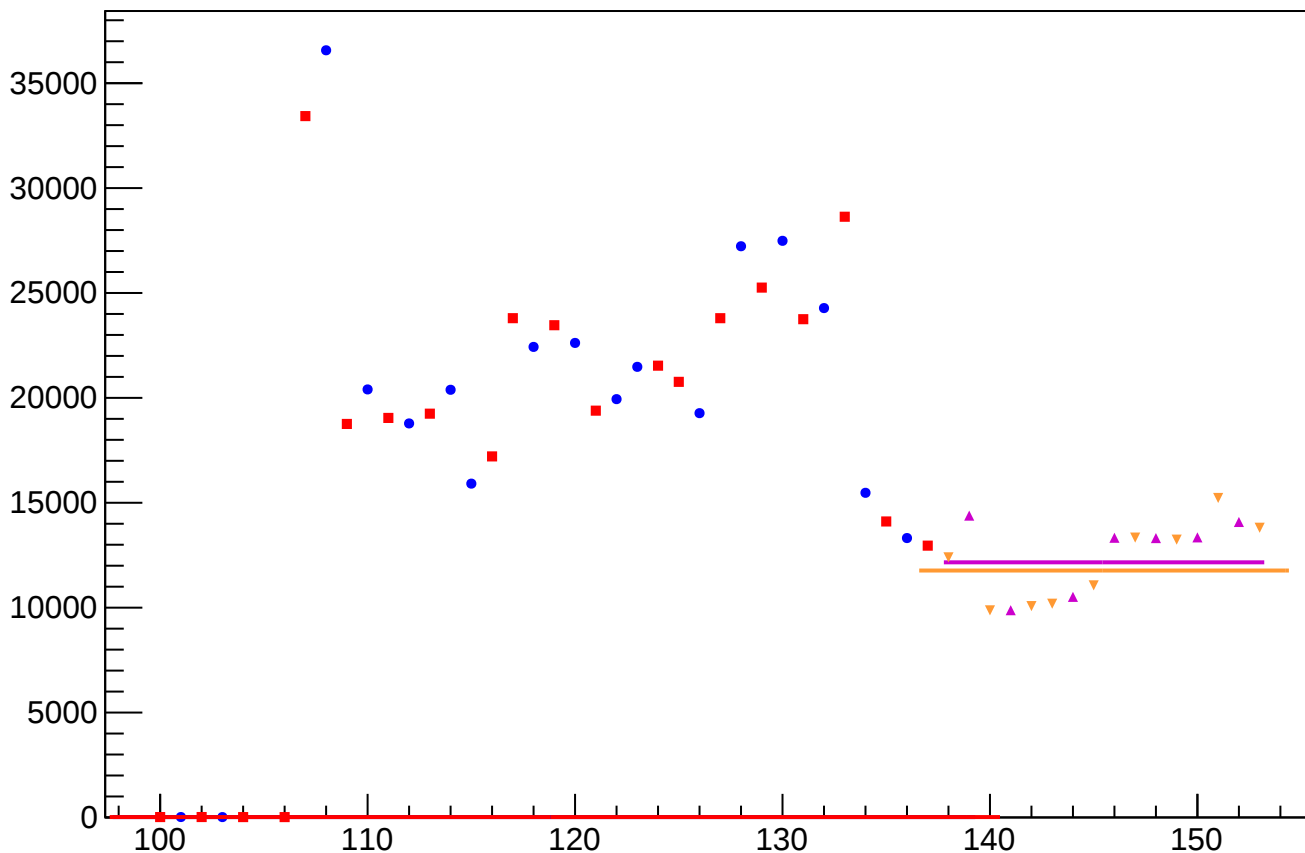
Right Out: 0.003 ± 0.016 χ^2/NDF : 17.7/19

Left In: -0.961 ± 5.137 χ^2/NDF : 6.7/6

0.013 ± 0.017 χ^2/NDF : 50.6/25

0.003 ± 0.016 χ^2/NDF : 24.5/26

diff_cav4bX_rms vs Slug



Right In: 18.641+/-0.012 χ^2/NDF : 10841561.4/16

Left Out: 11770.359+/-3.297 χ^2/NDF : 281990.3/8

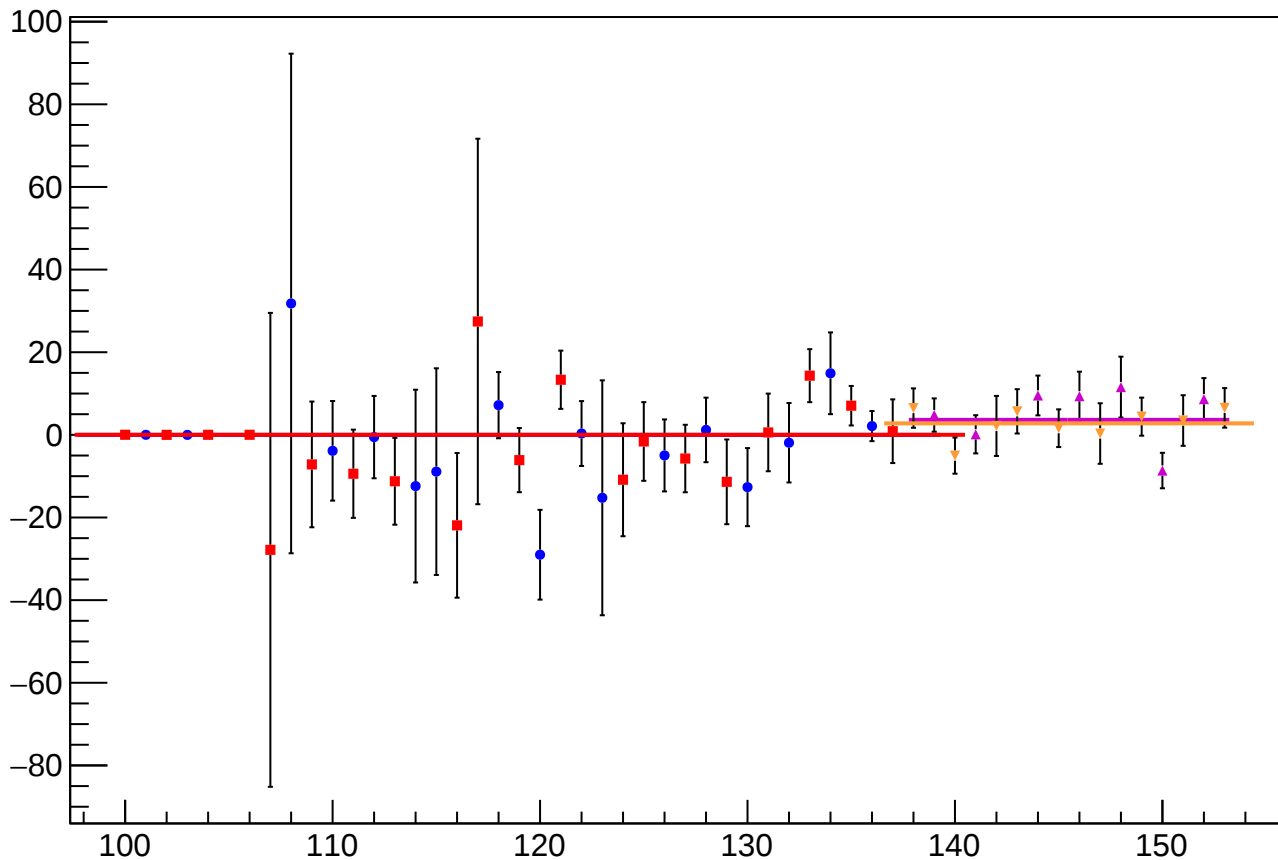
Right Out: 18.312+/-0.011 χ^2/NDF : 11189737.0/19

Left In: 12161.125+/-3.633 χ^2/NDF : 234763.8/6

18.803+/-0.012 χ^2/NDF : 23831518.0/25

18.431+/-0.011 χ^2/NDF : 22597300.7/26

diff_cav4bY_mean vs Slug



Right In: 0.001+/-0.009 χ^2/NDF : 14.9/16

Left Out: 2.783+/-1.730 χ^2/NDF : 5.0/8

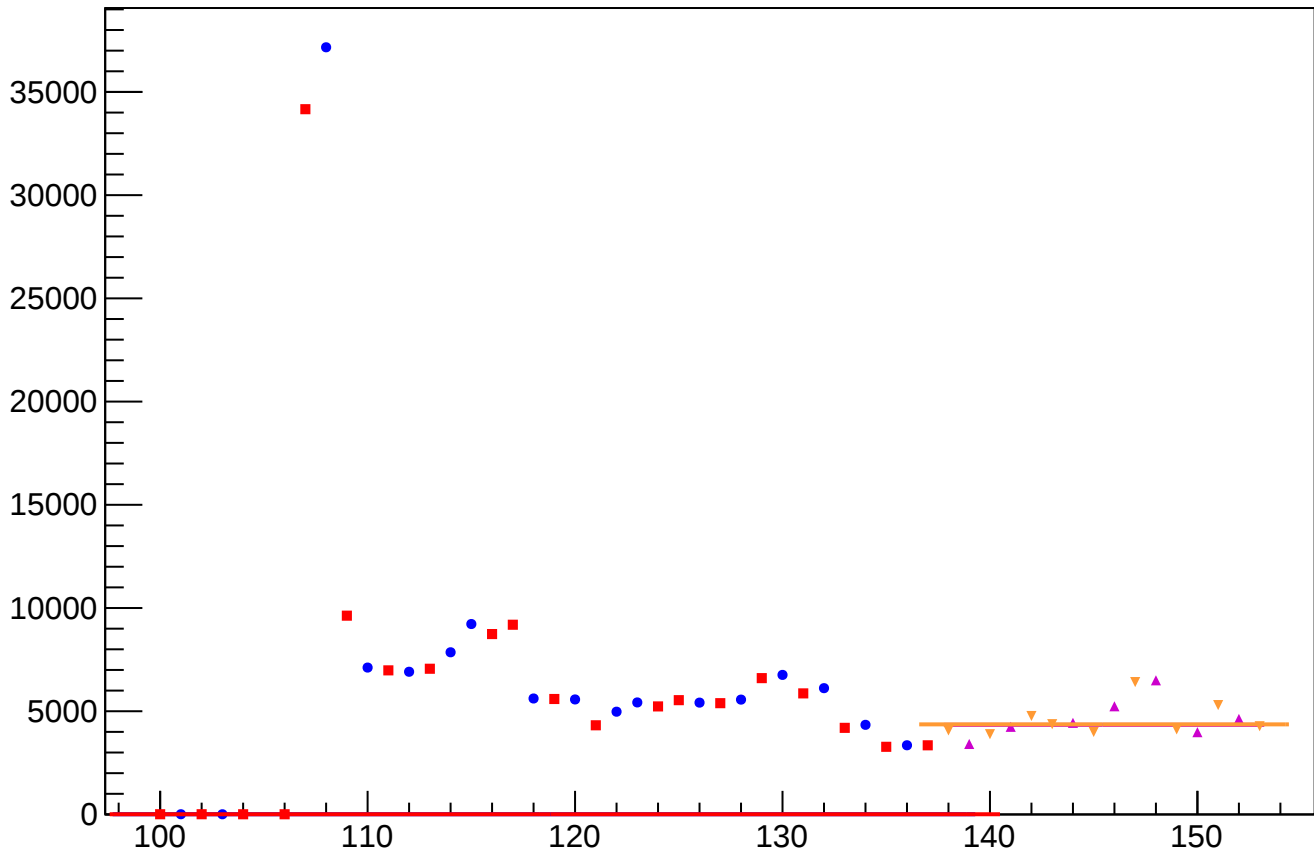
Right Out: 0.014+/-0.009 χ^2/NDF : 18.8/19

Left In: 3.629+/-1.853 χ^2/NDF : 13.4/6

0.001+/-0.009 χ^2/NDF : 22.5/25

0.014+/-0.009 χ^2/NDF : 36.0/26

diff_cav4bY_rms vs Slug



Right In: 9.938+/-0.007 χ^2/NDF : 10973577.1/16

Left Out: 4364.032+/-1.223 χ^2/NDF : 259769.6/8

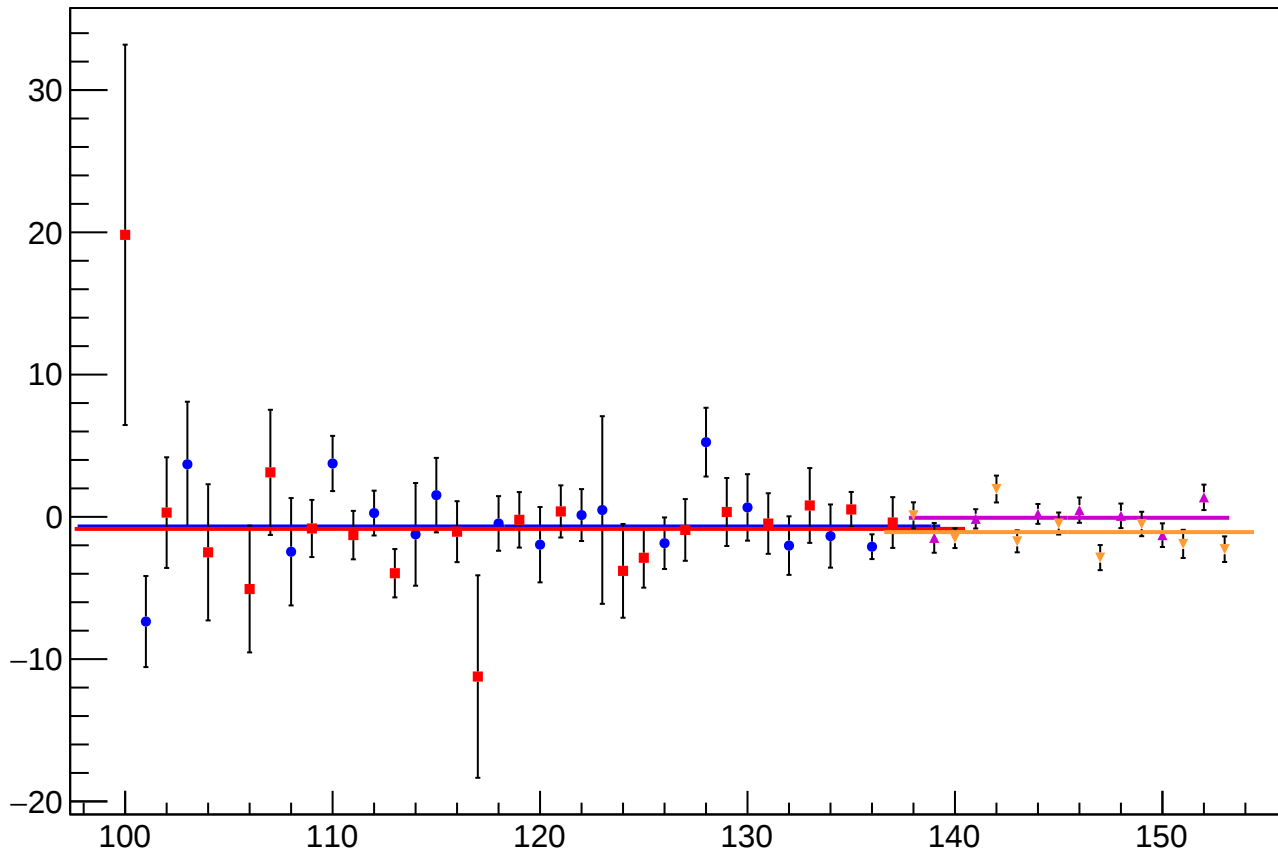
Right Out: 9.855+/-0.006 χ^2/NDF : 11238836.3/19

Left In: 4340.155+/-1.310 χ^2/NDF : 345110.6/6

10.061+/-0.007 χ^2/NDF : 23901137.5/25

9.949+/-0.006 χ^2/NDF : 22507539.9/26

diff_cav4cX_mean vs Slug



Right In: -0.677 ± 0.484 χ^2/NDF : 22.3/16

-0.972 ± 0.243 χ^2/NDF : 43.5/25

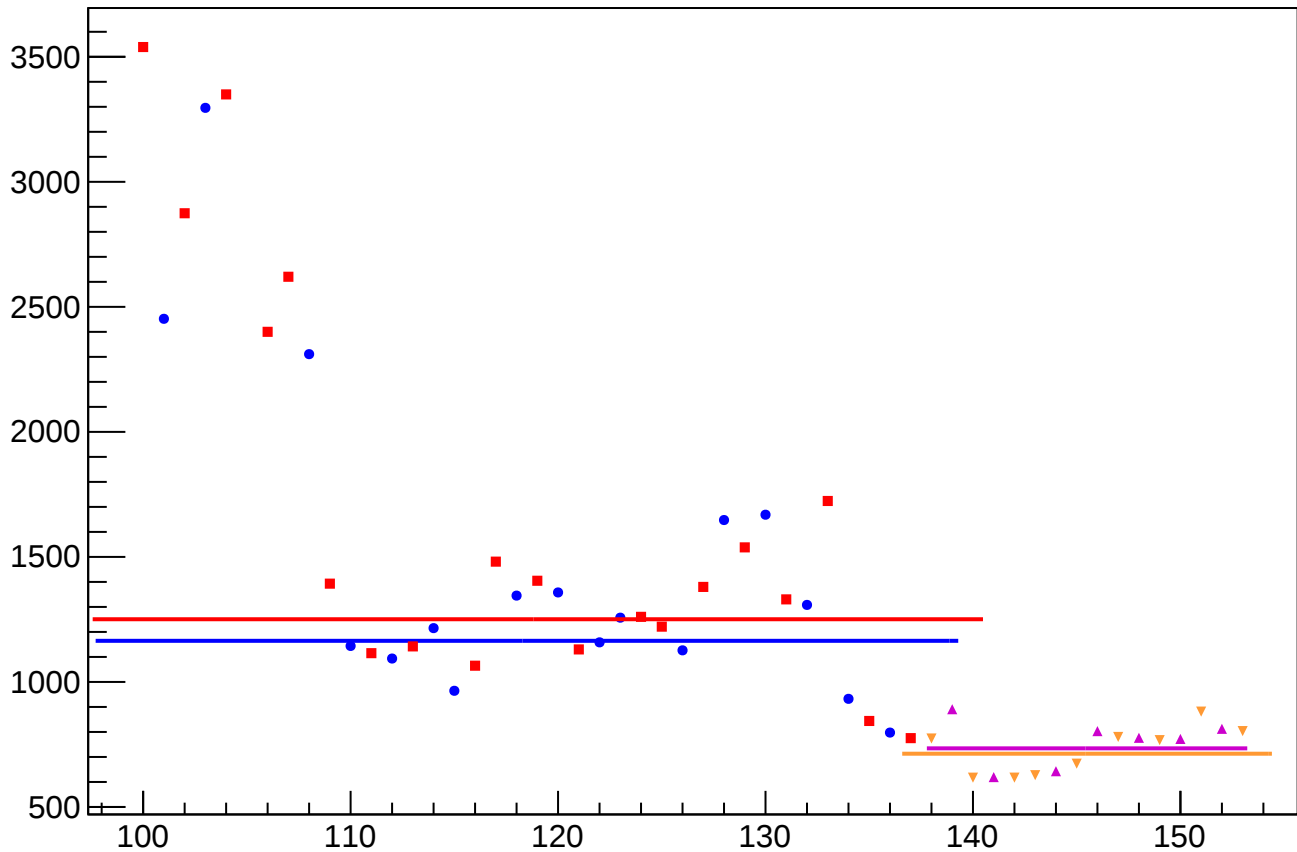
Left Out: -1.071 ± 0.281 χ^2/NDF : 20.7/8

Right Out: -0.846 ± 0.500 χ^2/NDF : 14.1/19

-0.281 ± 0.263 χ^2/NDF : 23.0/26

Left In: -0.065 ± 0.309 χ^2/NDF : 7.1/6

diff_cav4cX_rms vs Slug



Right In: 1164.459+/-0.342 χ^2/NDF : 1584212.9/16

Left Out: 713.013+/-0.199 χ^2/NDF : 194943.2/8

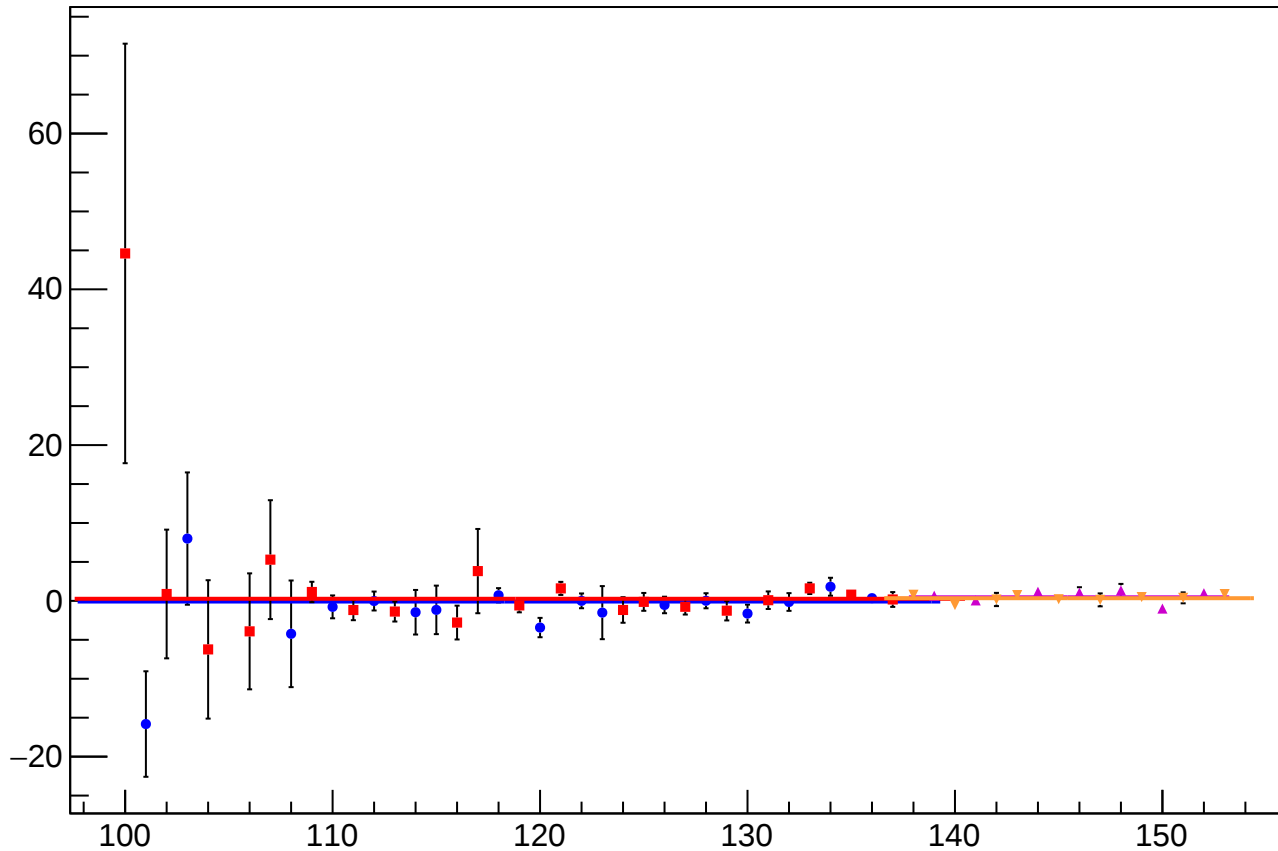
826.950+/-0.172 χ^2/NDF : 3079277.2/25

Right Out: 1250.738+/-0.354 χ^2/NDF : 1652238.9/19

877.288+/-0.186 χ^2/NDF : 3367430.0/26

Left In: 734.419+/-0.219 χ^2/NDF : 172953.0/6

diff_cav4cY_mean vs Slug



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

Left Out: 0.342 ± 0.204 χ^2/NDF : 5.1/8

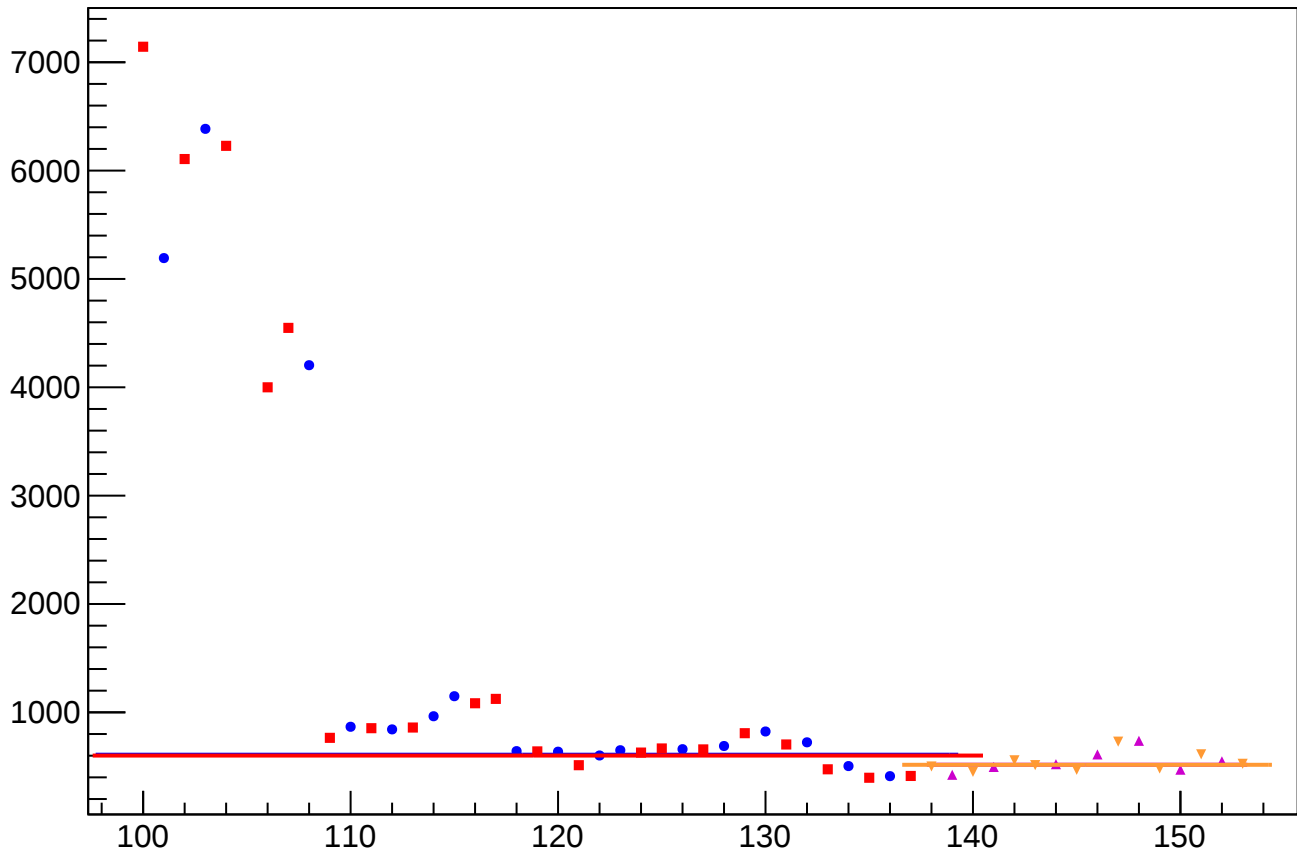
Right Out: 0.268 ± 0.264 χ^2/NDF : 20.9/19

Left In: 0.460 ± 0.220 χ^2/NDF : 13.1/6

0.186 ± 0.163 χ^2/NDF : 27.7/25

0.381 ± 0.169 χ^2/NDF : 34.3/26

diff_cav4cY_rms vs Slug



Right In: 609.016+/-0.191 χ^2/NDF : 3139231.5/16

Left Out: 515.876+/-0.144 χ^2/NDF : 232617.9/8

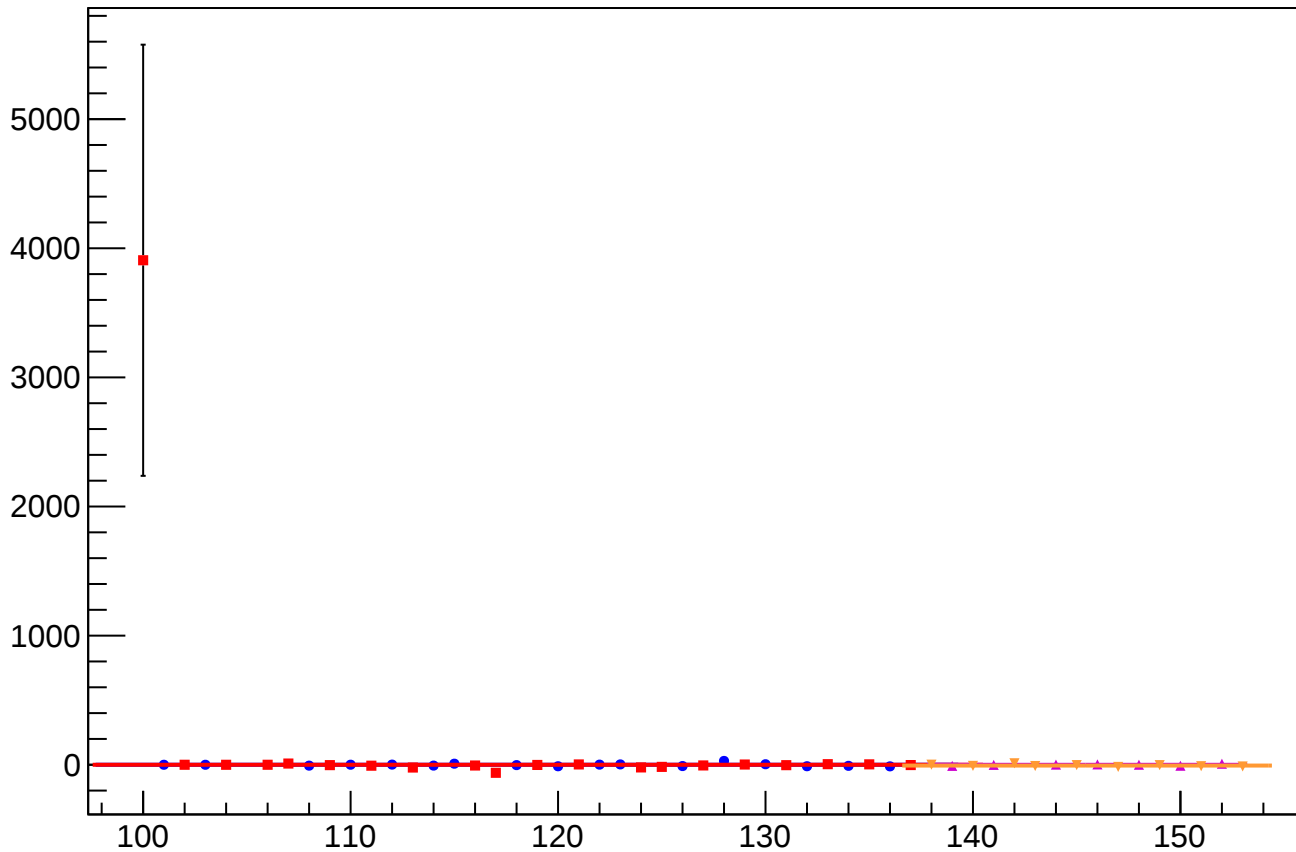
549.717+/-0.115 χ^2/NDF : 3523203.1/25

Right Out: 601.159+/-0.187 χ^2/NDF : 3566339.5/19

551.184+/-0.119 χ^2/NDF : 3959341.5/26

Left In: 516.598+/-0.155 χ^2/NDF : 271755.5/6

diff_cav4dX_mean vs Slug



Right In: -0.022+/-0.021 χ^2 /NDF: 15.3/16

Left Out: -6.179+/-1.633 χ^2 /NDF:20.8/8

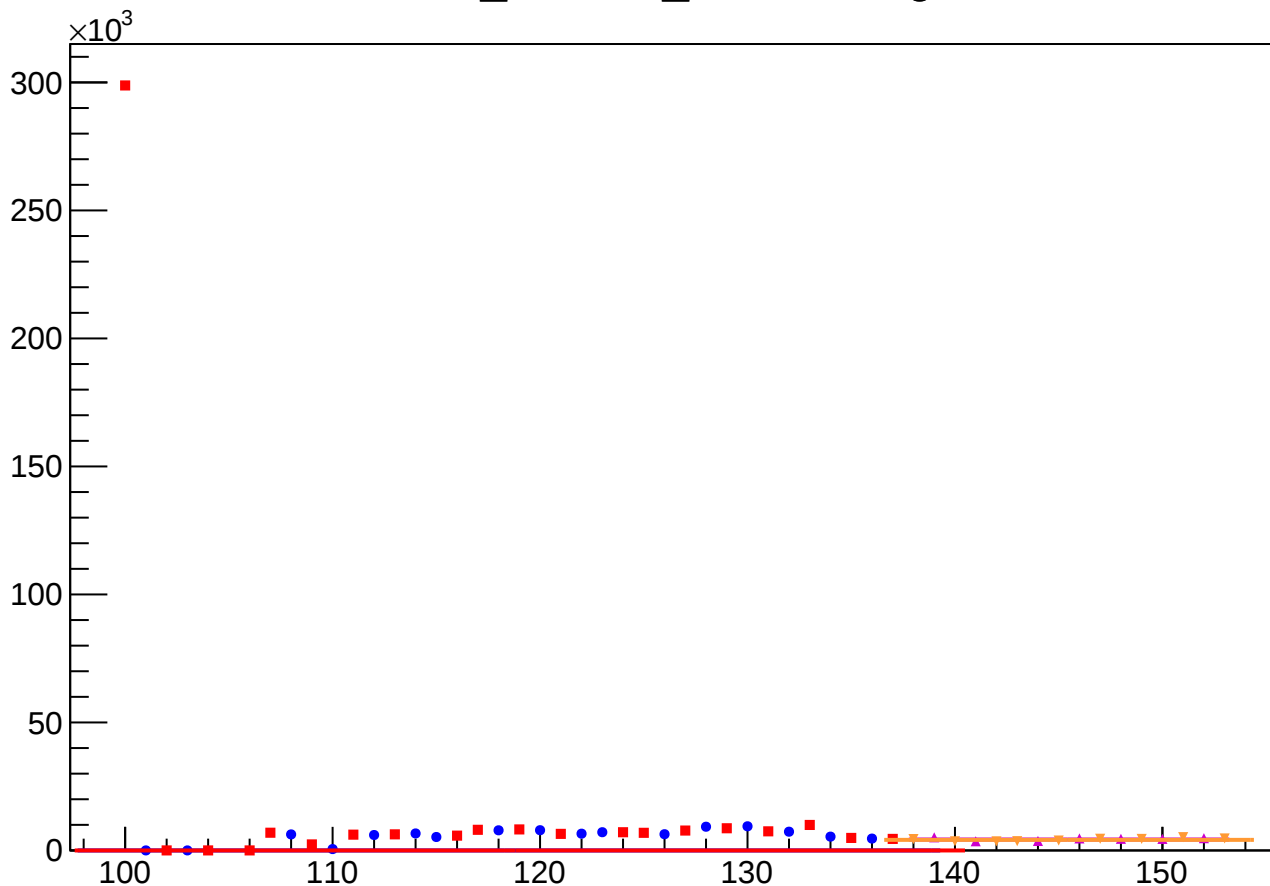
Right Out: -0.027+/-0.020 χ^2 /NDF: 19.8/19

Left In: -0.392+/-1.801 χ^2 /NDF:7.1/6

-0.023+/-0.021 χ^2 /NDF: 50.3/25

-0.027+/-0.020 χ^2 /NDF: 26.9/26

diff_cav4dX_rms vs Slug



Right In: 17.337 $\pm$ 0.015 χ^2 /NDF: 10359409.4/16

Left Out: 4136.337 $\pm$ 1.155 χ^2 /NDF:214488.0/8

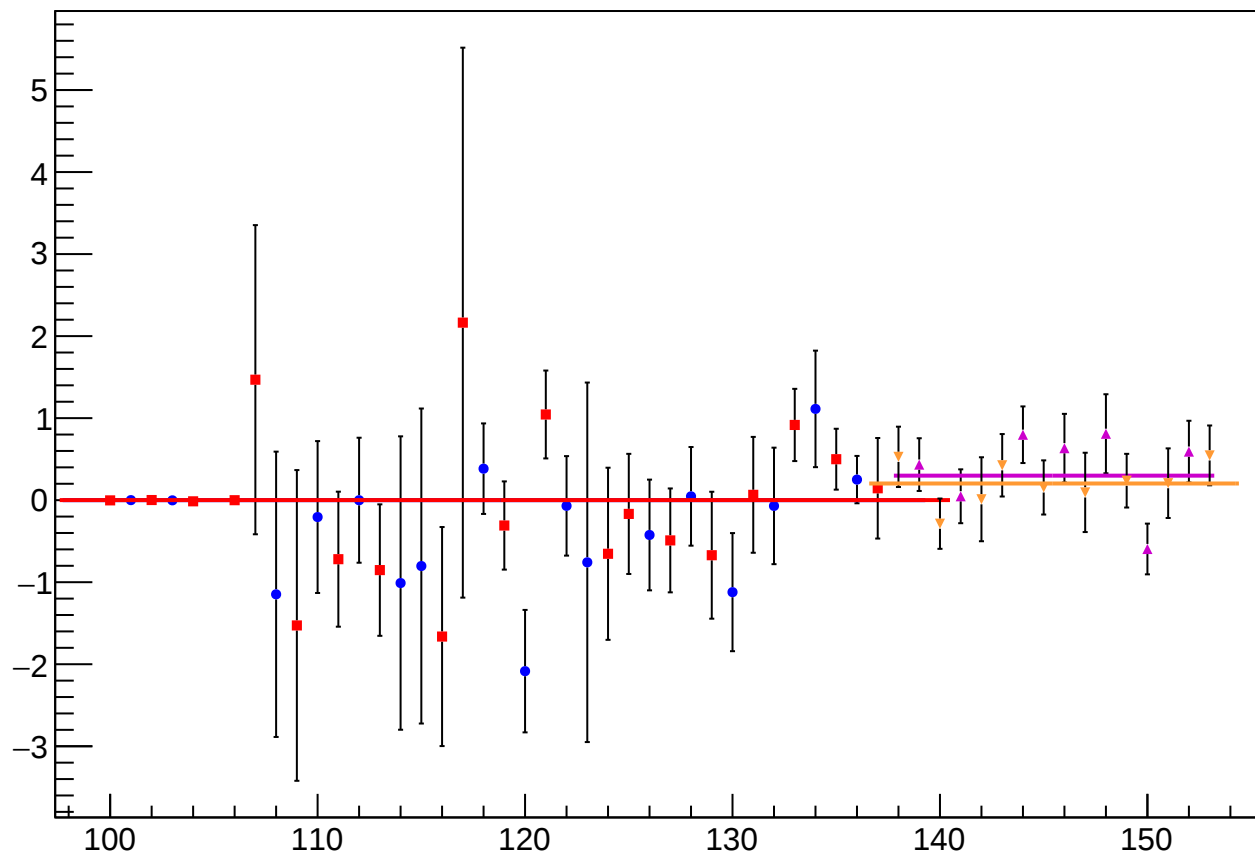
Right Out: 17.270 $\pm$ 0.014 χ^2 /NDF: 10899577.1/19

Left In: 4273.467 $\pm$ 1.273 χ^2 /NDF:184241.6/6

18.004 $\pm$ 0.015 χ^2 /NDF: 23291216.3/25

17.784 $\pm$ 0.014 χ^2 /NDF: 22256137.7/26

diff_cav4dY_mean vs Slug



Right In: 0.000+/-0.002 χ^2/NDF : 15.6/16

Left Out: 0.203+/-0.124 χ^2/NDF : 4.8/8

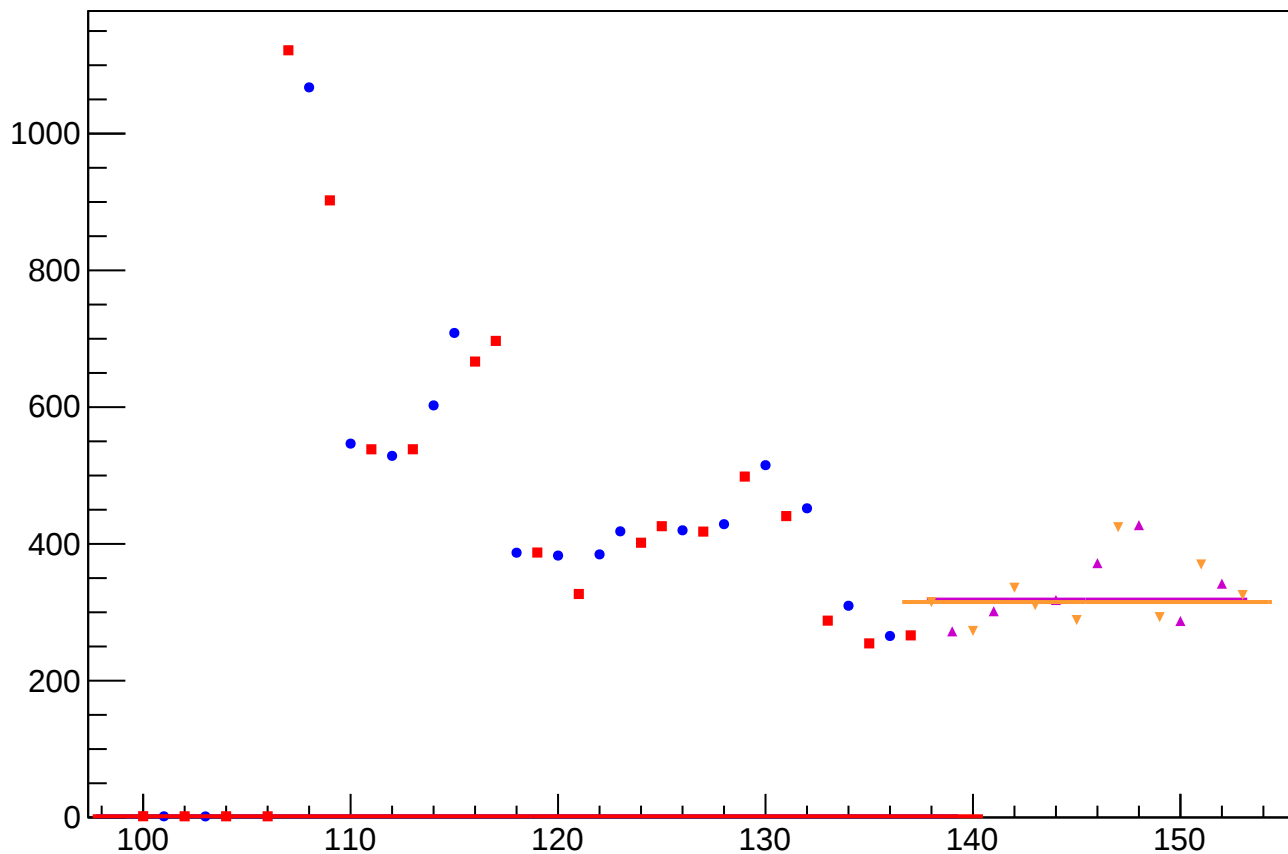
Right Out: 0.001+/-0.002 χ^2/NDF : 18.2/19

Left In: 0.299+/-0.135 χ^2/NDF : 13.6/6

0.000+/-0.002 χ^2/NDF : 23.1/25

0.001+/-0.002 χ^2/NDF : 36.7/26

diff_cav4dY_rms vs Slug



Right In: 1.698+/-0.001 χ^2/NDF : 10911617.0/16

Left Out: 315.027+/-0.088 χ^2/NDF : 201065.3/8

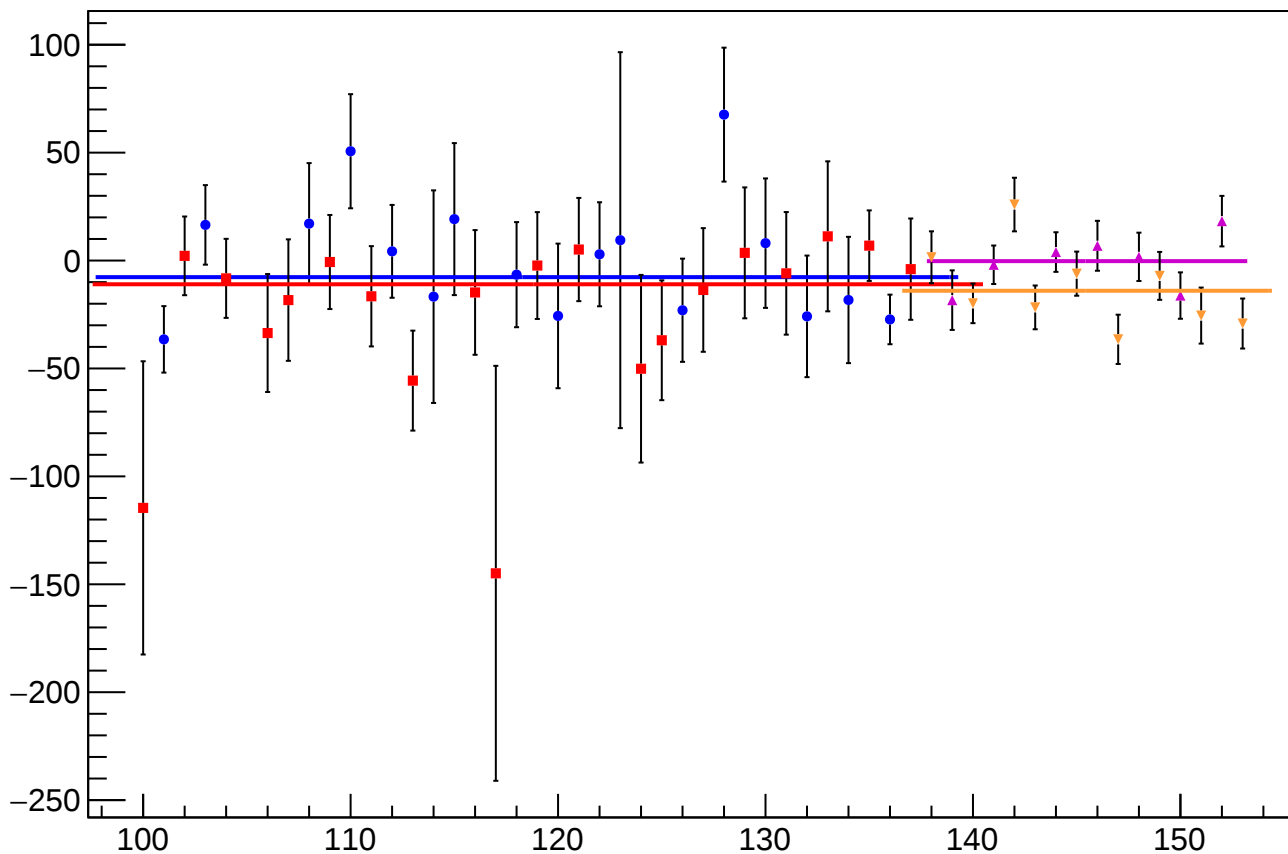
Right Out: 1.729+/-0.001 χ^2/NDF : 10822679.1/19

Left In: 318.553+/-0.095 χ^2/NDF : 209856.9/6

1.781+/-0.001 χ^2/NDF : 23794853.6/25

1.794+/-0.001 χ^2/NDF : 22051959.9/26

diff_bpm4aX_mean vs Slug



Right In: -7.683 ± 5.627 $\chi^2/\text{NDF}: 22.4/16$

Left Out: -13.999 ± 3.682 $\chi^2/\text{NDF}: 20.4/8$

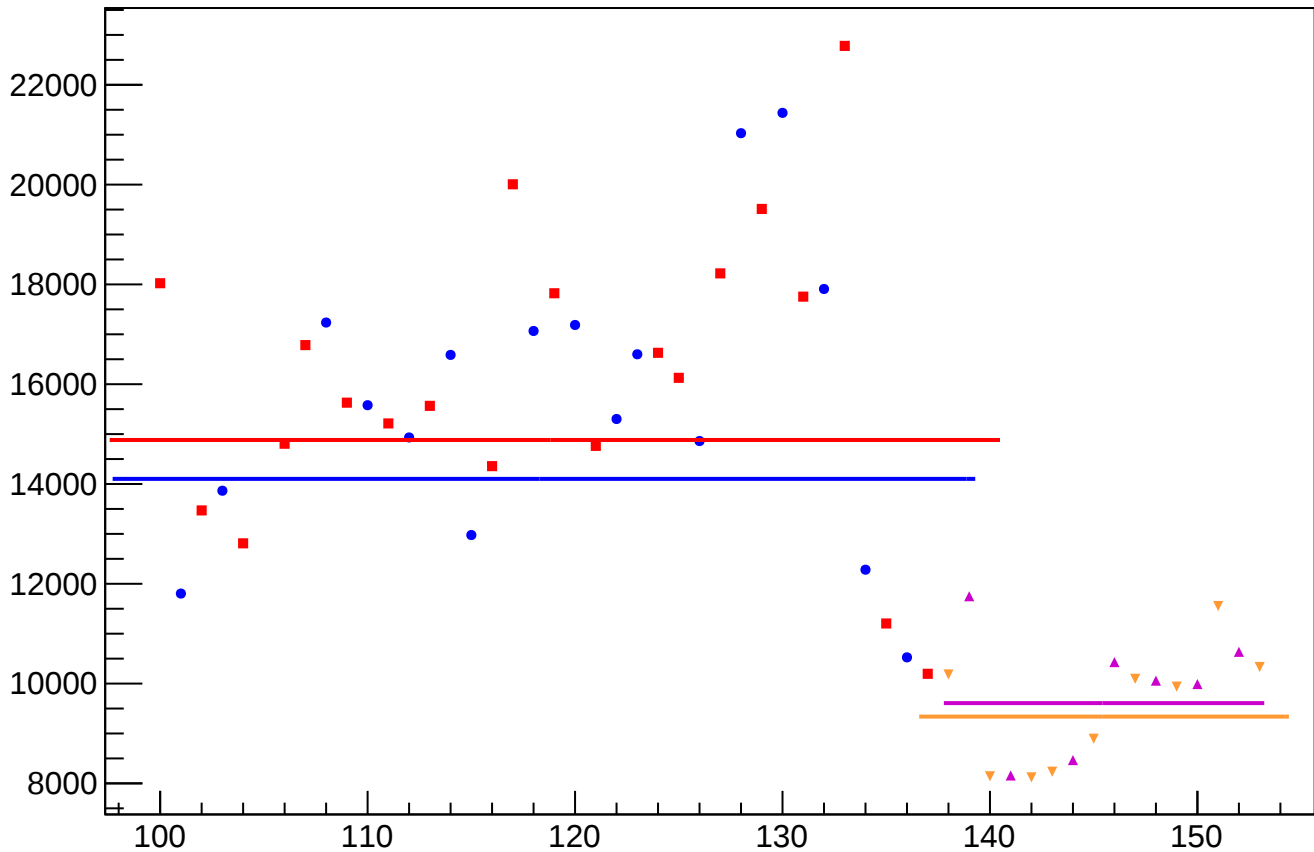
Right Out: -10.992 ± 5.672 $\chi^2/\text{NDF}: 13.8/19$

Left In: -0.268 ± 4.045 $\chi^2/\text{NDF}: 7.1/6$

-12.106 ± 3.081 $\chi^2/\text{NDF}: 43.6/25$

-3.883 ± 3.294 $\chi^2/\text{NDF}: 23.3/26$

diff_bpm4aX_rms vs Slug



Right In: 14102.522+/-3.979 χ^2/NDF : 598934.8/16

Left Out: 9338.208+/-2.603 χ^2/NDF : 178370.7/8

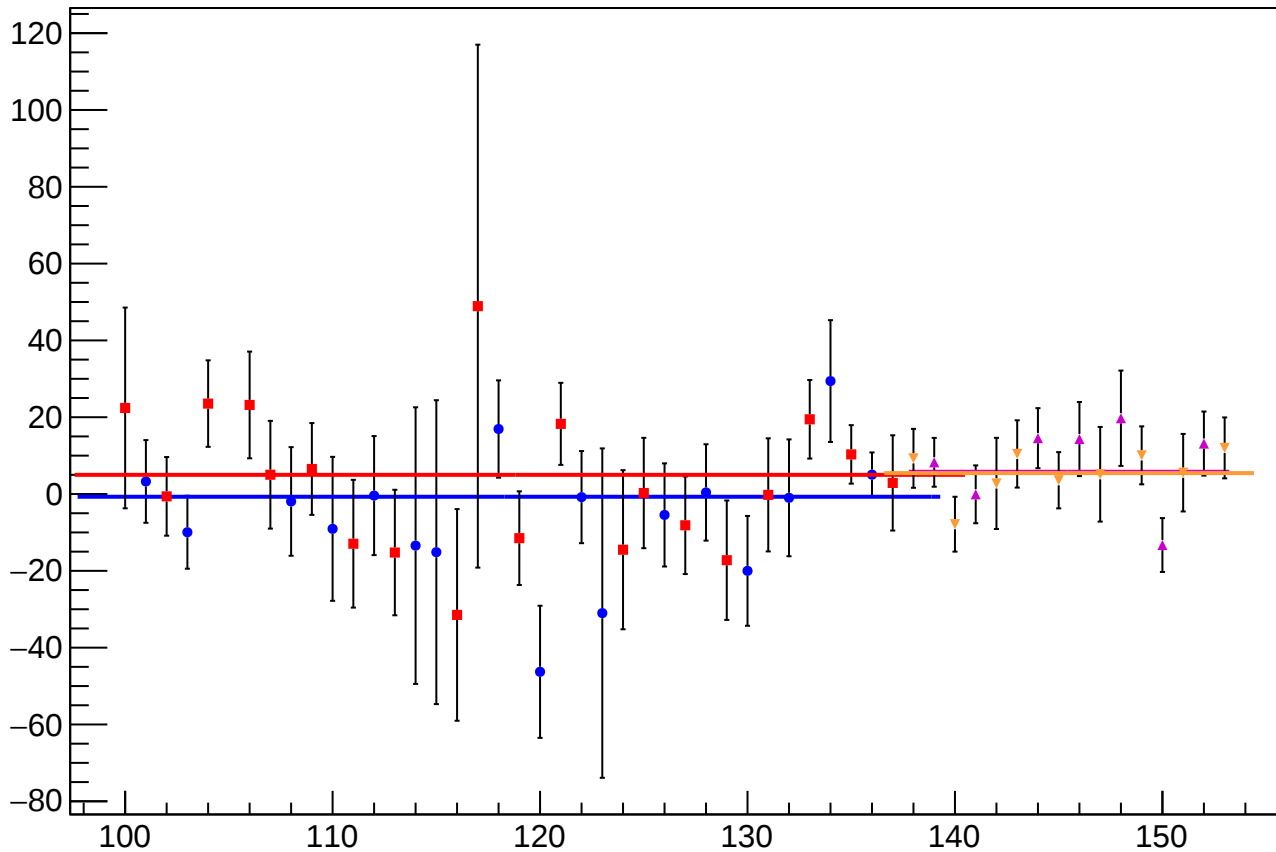
Right Out: 14882.066+/-4.011 χ^2/NDF : 475983.1/19

Left In: 9608.906+/-2.860 χ^2/NDF : 163317.6/6

10766.308+/-2.178 χ^2/NDF : 1781222.7/25

11386.637+/-2.329 χ^2/NDF : 1785014.4/26

diff_bpm4aY_mean vs Slug



Right In: -0.708 ± 3.084 χ^2/NDF : 17.6/16

Left Out: 5.452 ± 2.826 χ^2/NDF : 5.2/8

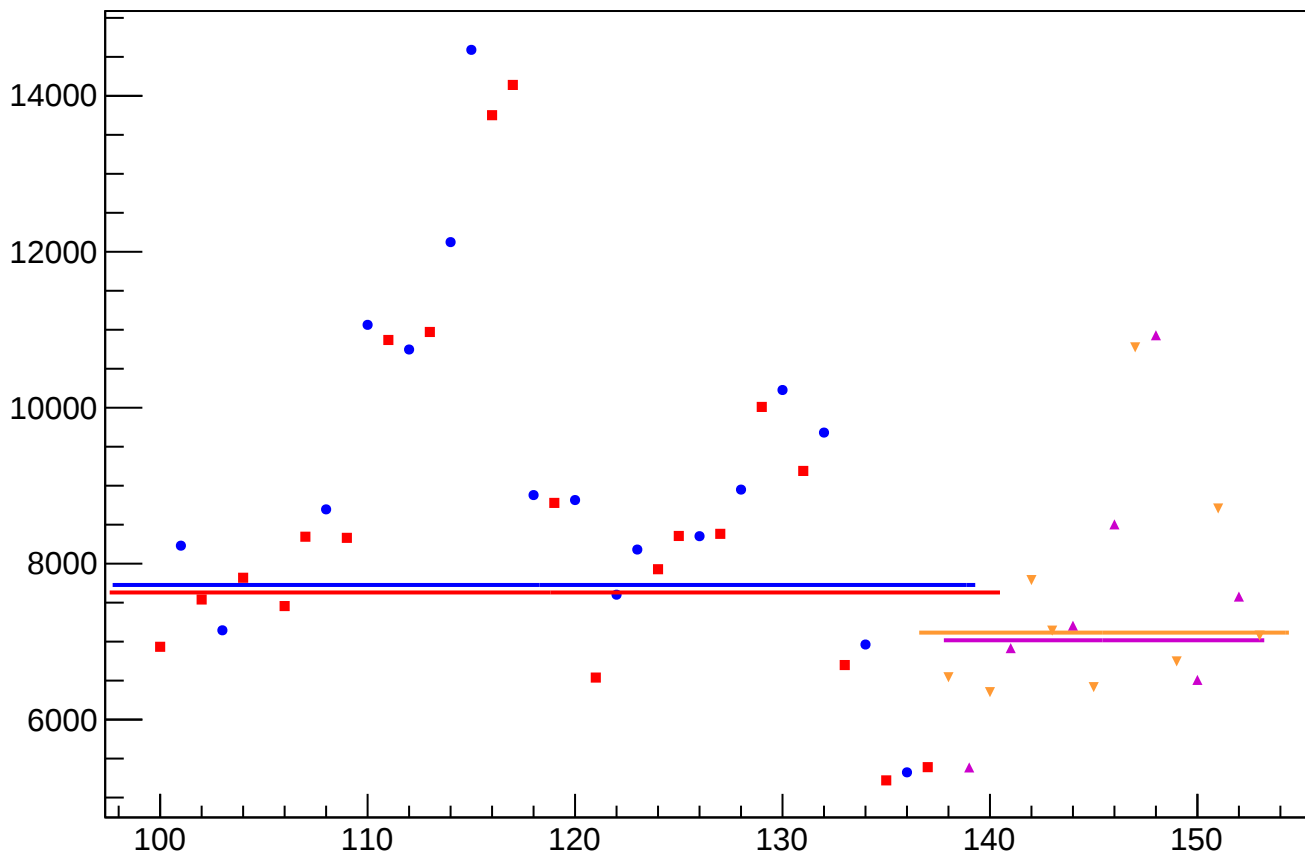
Right Out: 5.000 ± 2.937 χ^2/NDF : 20.2/19

Left In: 5.800 ± 3.006 χ^2/NDF : 12.2/6

2.640 ± 2.083 χ^2/NDF : 24.9/25

5.391 ± 2.101 χ^2/NDF : 32.4/26

diff_bpm4aY_rms vs Slug



Right In: 7726.745 ± 2.180 χ^2/NDF : 742512.8/16

Left Out: 7115.503 ± 1.998 χ^2/NDF : 289558.3/8

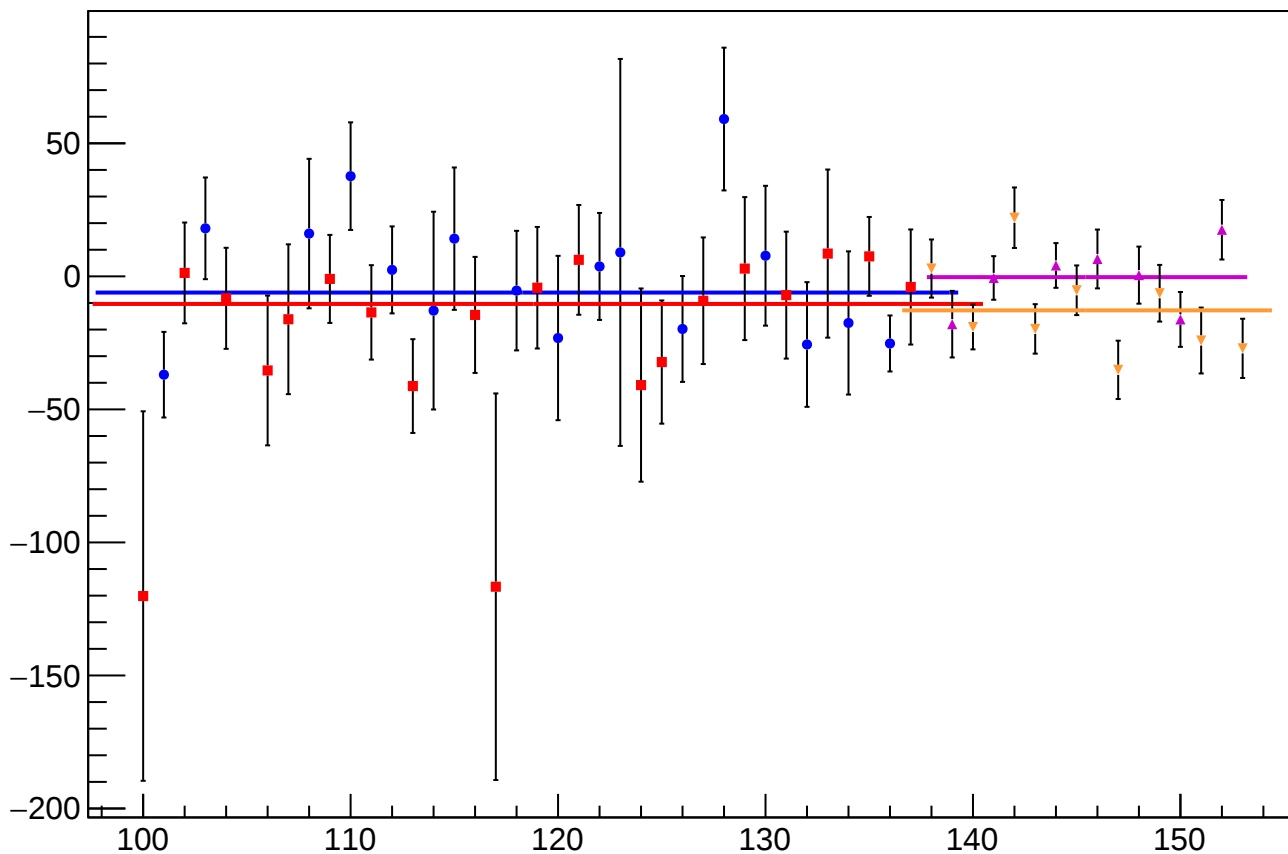
Right Out: 7630.342 ± 2.077 χ^2/NDF : 693444.5/19

Left In: 7017.159 ± 2.125 χ^2/NDF : 399027.0/6

7394.547 ± 1.473 χ^2/NDF : 1074783.0/25

7330.840 ± 1.485 χ^2/NDF : 1135057.8/26

diff_bpm4eX_mean vs Slug



Right In: -6.092 ± 5.034 $\chi^2/\text{NDF}: 22.9/16$

Left Out: -12.777 ± 3.430 $\chi^2/\text{NDF}: 20.2/8$

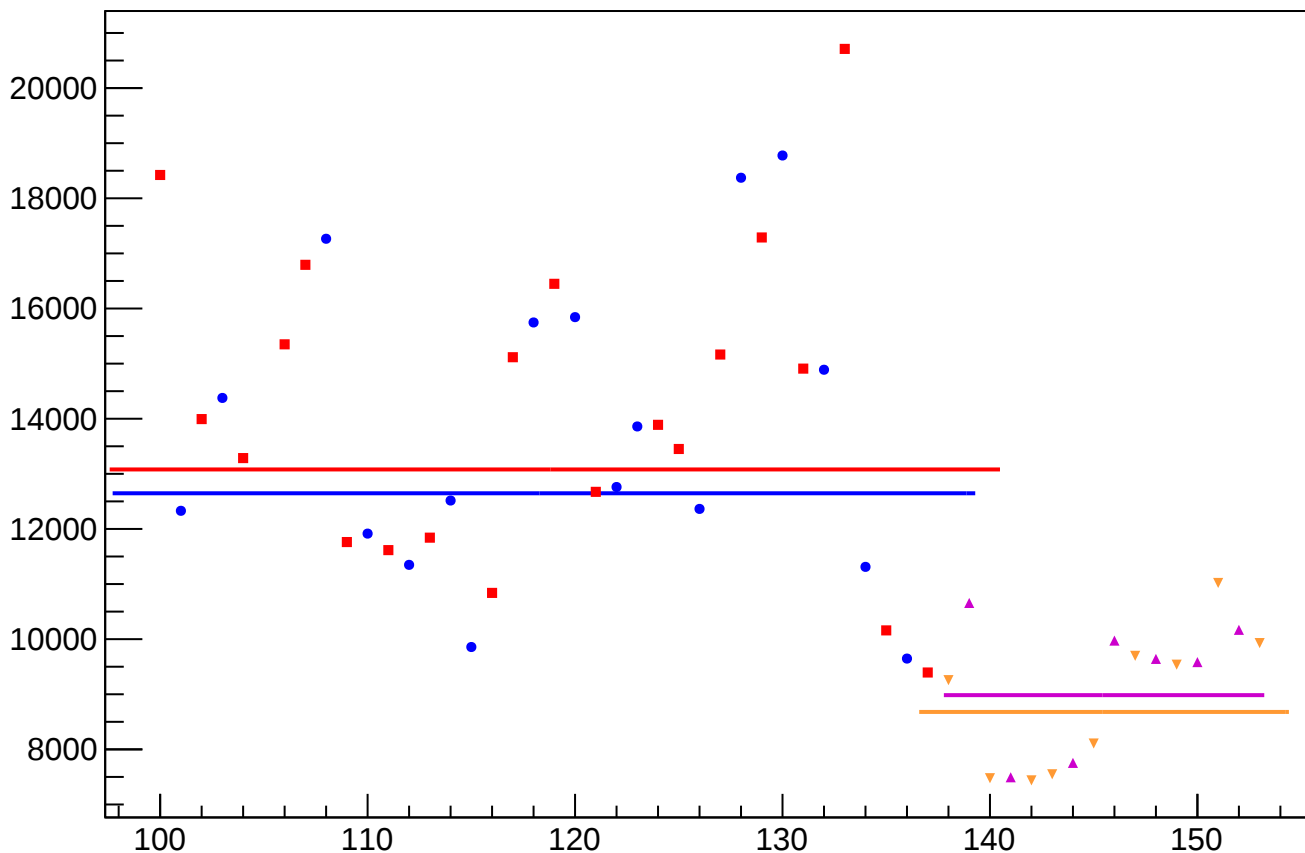
Right Out: -10.369 ± 4.992 $\chi^2/\text{NDF}: 13.8/19$

Left In: -0.295 ± 3.788 $\chi^2/\text{NDF}: 7.6/6$

-10.657 ± 2.835 $\chi^2/\text{NDF}: 44.3/25$

-3.976 ± 3.017 $\chi^2/\text{NDF}: 23.9/26$

diff_bpm4eX_rms vs Slug



Right In: 12647.257+/-3.559 χ^2/NDF : 554320.4/16

Left Out: 8679.404+/-2.425 χ^2/NDF : 234279.8/8

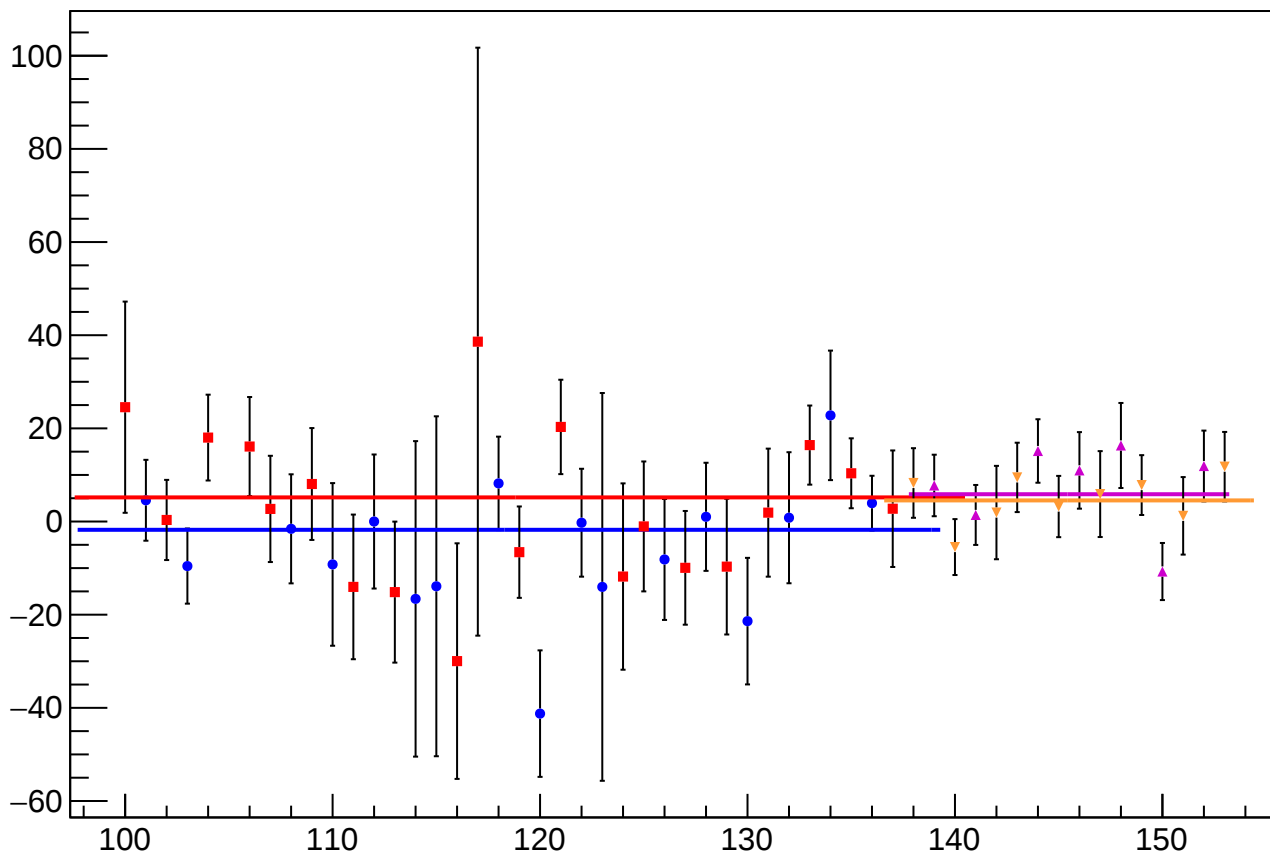
Right Out: 13079.592+/-3.530 χ^2/NDF : 497851.1/19

Left In: 8984.136+/-2.678 χ^2/NDF : 197466.9/6

9937.605+/-2.004 χ^2/NDF : 1637244.4/25

10480.579+/-2.134 χ^2/NDF : 1549685.6/26

diff_bpm4eY_mean vs Slug



Right In: -1.777 ± 2.806 χ^2/NDF : 18.0/16

Left Out: 4.533 ± 2.460 χ^2/NDF : 5.0/8

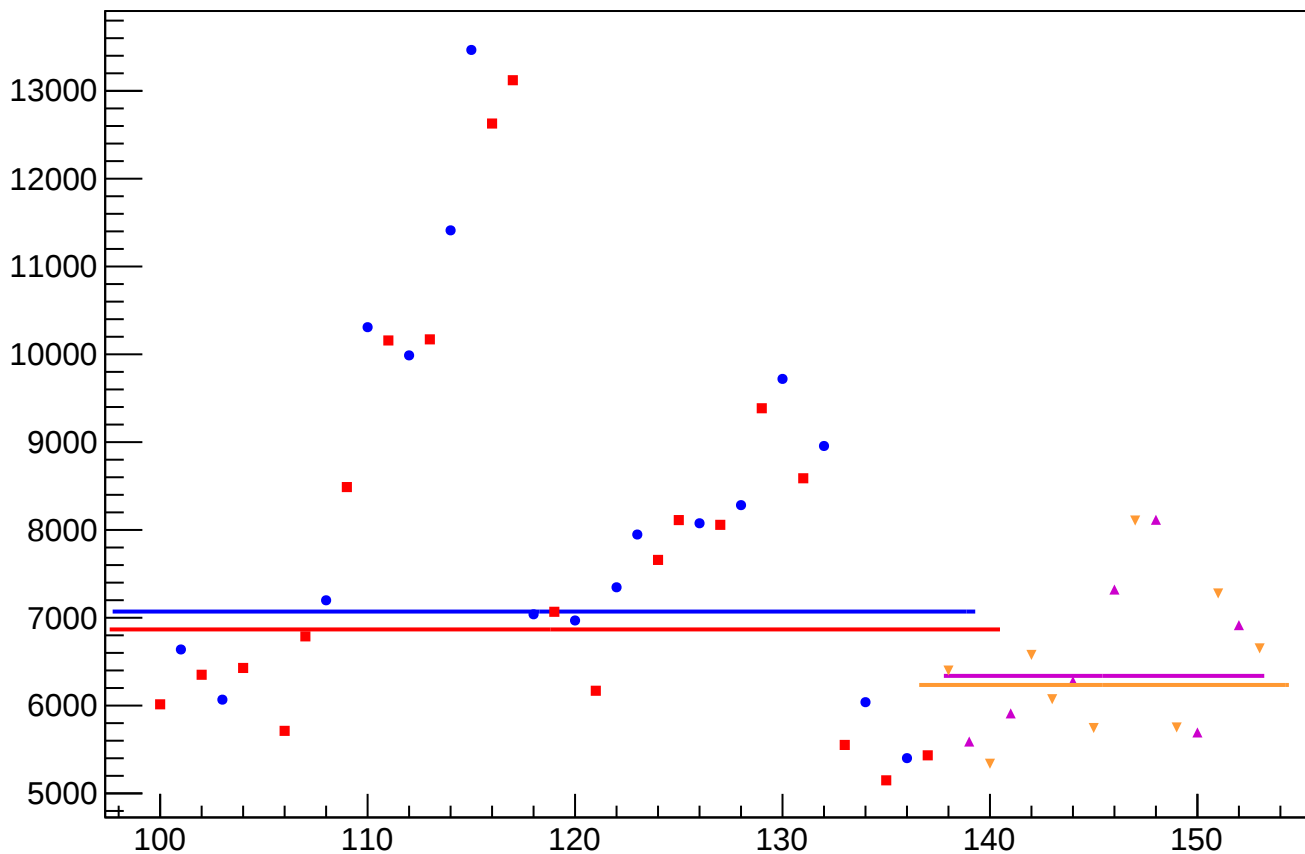
Right Out: 5.181 ± 2.640 χ^2/NDF : 19.2/19

Left In: 5.863 ± 2.679 χ^2/NDF : 12.1/6

1.790 ± 1.850 χ^2/NDF : 25.8/25

5.516 ± 1.880 χ^2/NDF : 31.3/26

diff_bpm4eY_rms vs Slug



Right In: 7070.672 ± 1.984 χ^2/NDF : 601692.5/16

Left Out: 6234.827 ± 1.740 χ^2/NDF : 191443.5/8

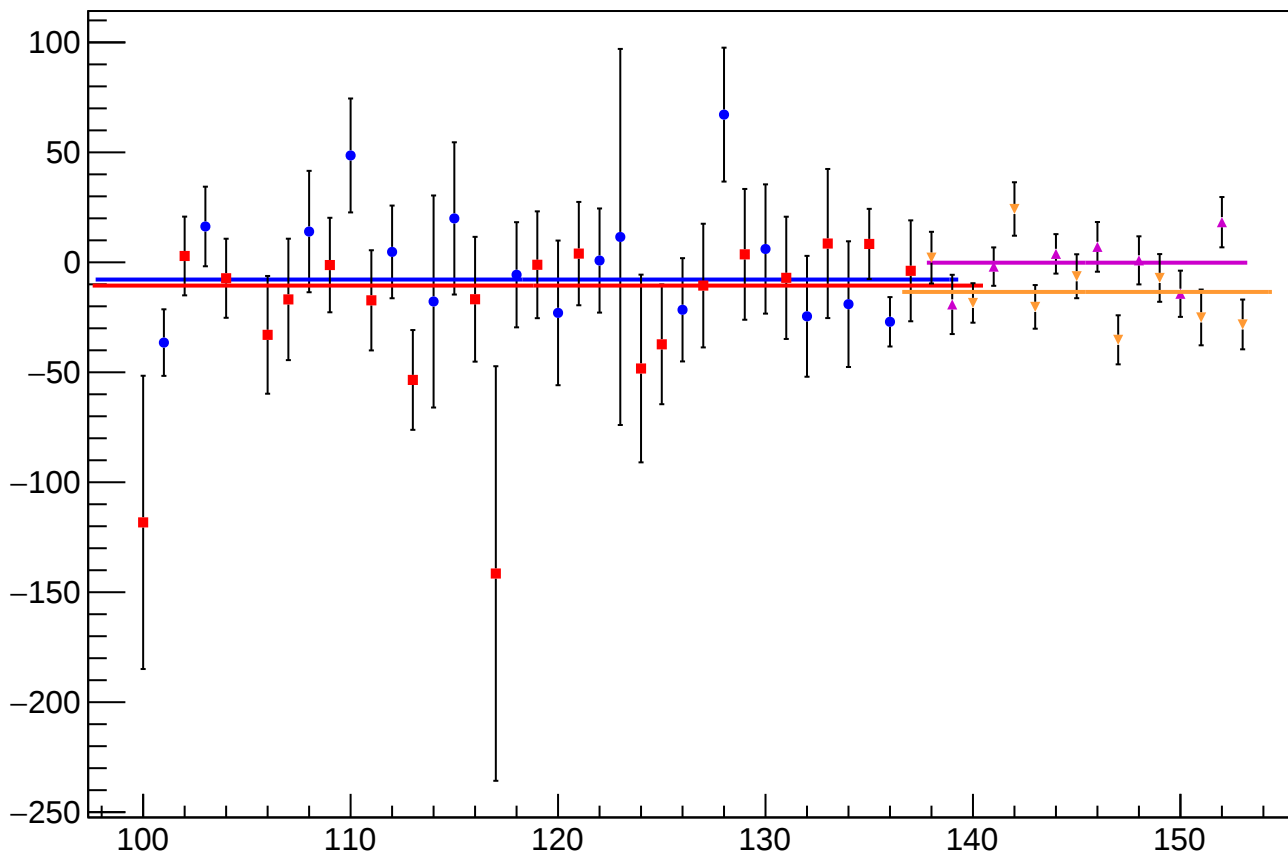
Right Out: 6867.094 ± 1.866 χ^2/NDF : 701892.5/19

Left In: 6338.250 ± 1.894 χ^2/NDF : 172717.2/6

6598.145 ± 1.308 χ^2/NDF : 893460.9/25

6606.605 ± 1.330 χ^2/NDF : 914153.6/26

diff_bpm4acX_mean vs Slug



Right In: -7.825 ± 5.516 $\chi^2/\text{NDF}: 22.3/16$

Left Out: -13.460 ± 3.600 $\chi^2/\text{NDF}: 19.4/8$

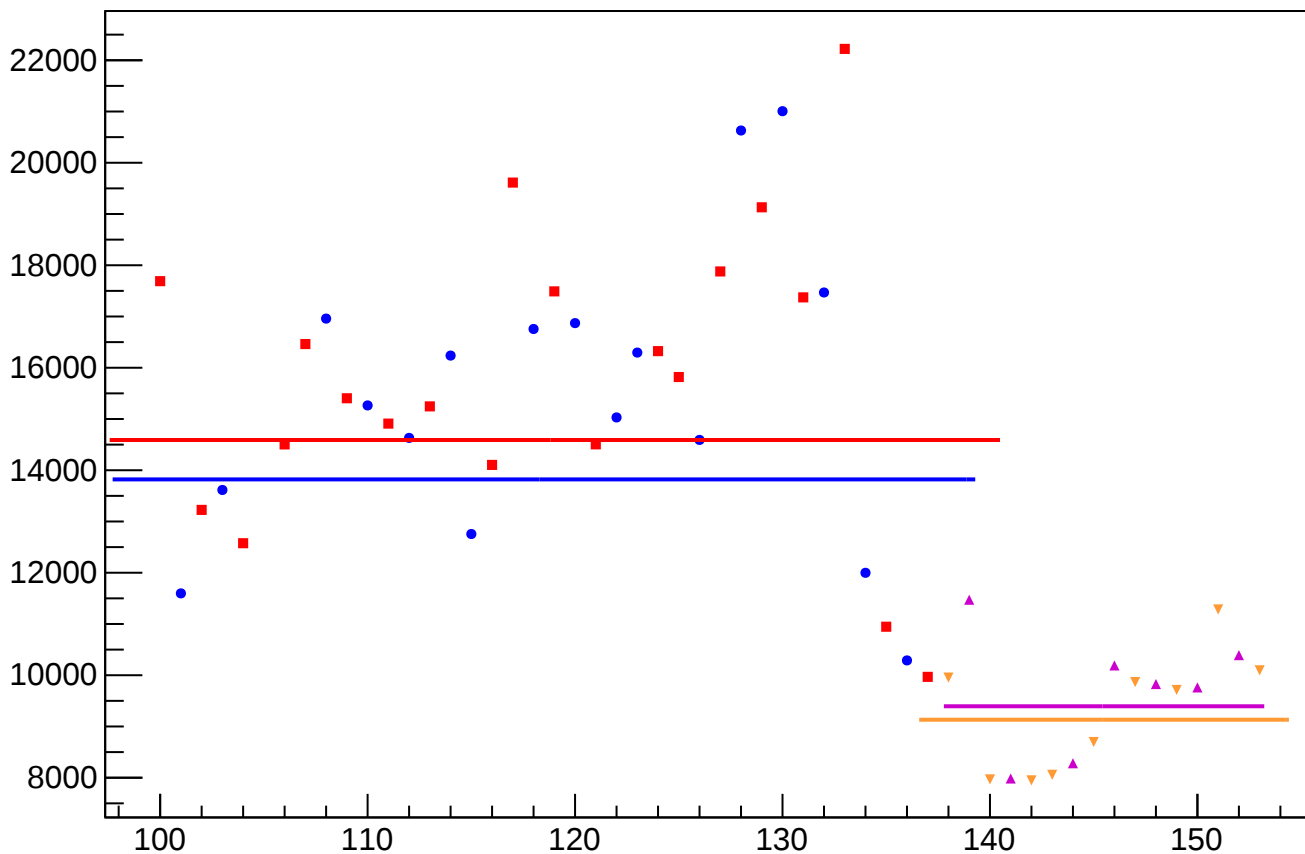
Right Out: -10.574 ± 5.561 $\chi^2/\text{NDF}: 14.1/19$

Left In: -0.166 ± 3.954 $\chi^2/\text{NDF}: 7.0/6$

-11.777 ± 3.015 $\chi^2/\text{NDF}: 42.4/25$

-3.661 ± 3.223 $\chi^2/\text{NDF}: 23.5/26$

diff_bpm4acX_rms vs Slug



Right In: 13821.195+/-3.900 χ^2/NDF : 602672.4/16

Left Out: 9131.806+/-2.545 χ^2/NDF :176290.9/8

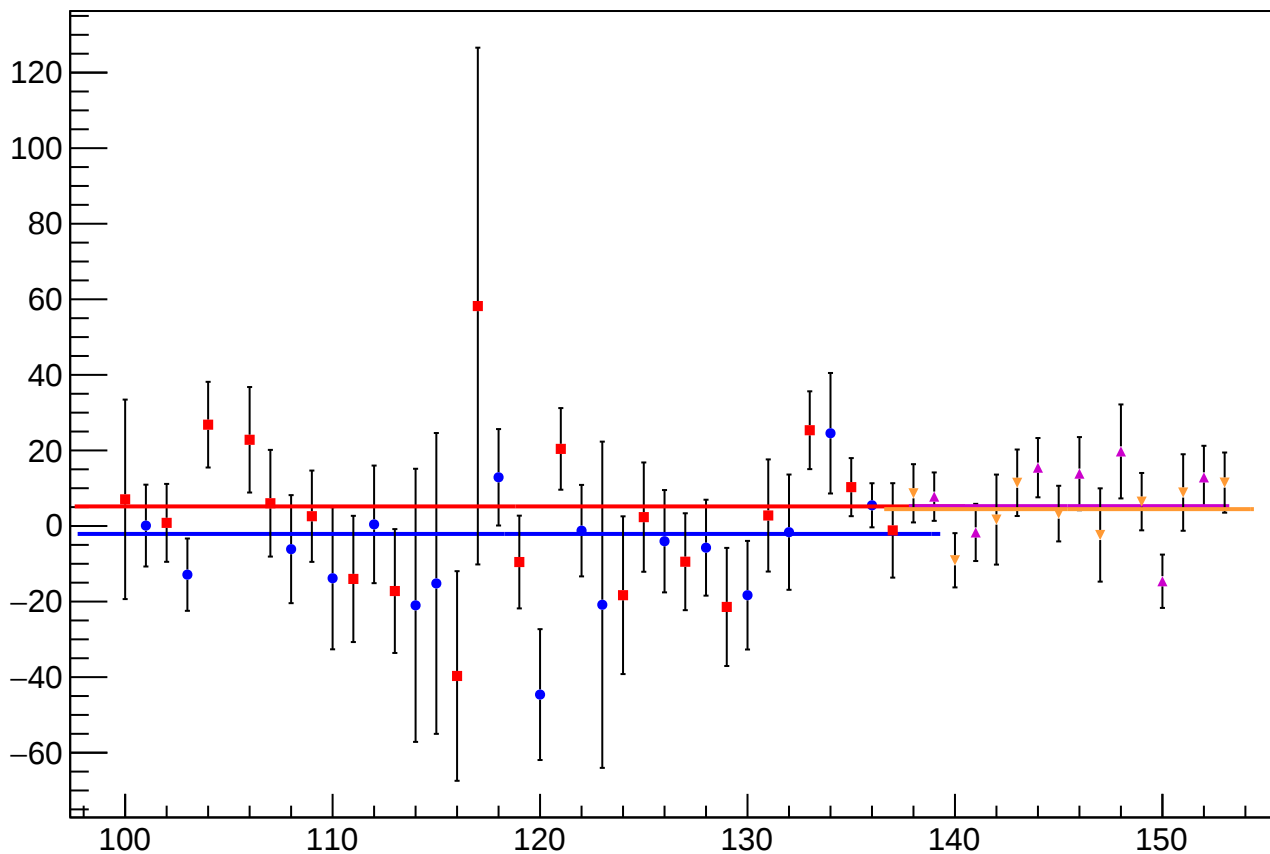
Right Out: 14589.989+/-3.933 χ^2/NDF : 478169.1/19

Left In: 9394.212+/-2.796 χ^2/NDF :161237.1/6

10532.547+/-2.132 χ^2/NDF : 1792766.3/25

11138.943+/-2.279 χ^2/NDF : 1798861.4/26

diff_bpm4acY_mean vs Slug



Right In: -2.098 ± 3.106 χ^2/NDF : 15.6/16

Left Out: 4.465 ± 2.839 χ^2/NDF : 5.9/8

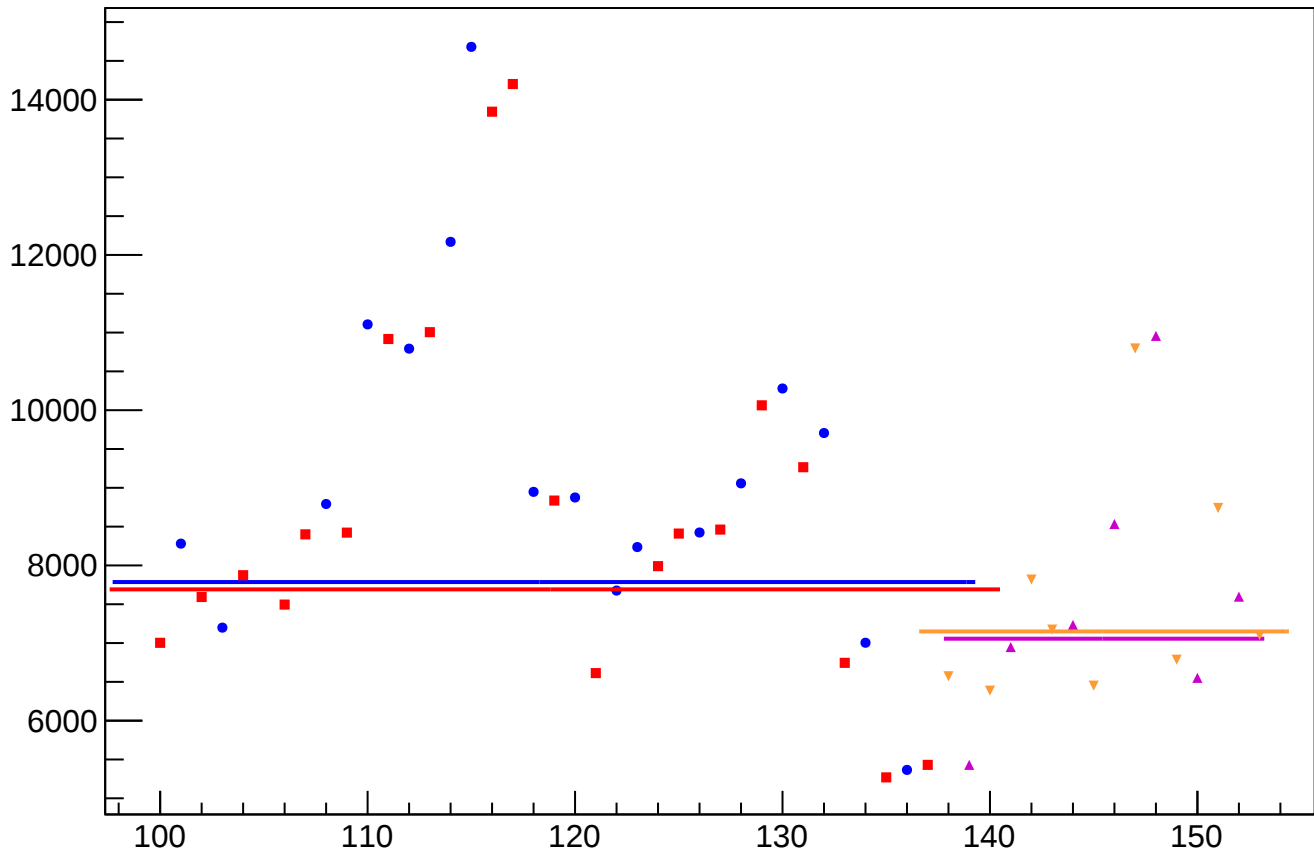
Right Out: 5.184 ± 2.959 χ^2/NDF : 25.4/19

Left In: 5.258 ± 3.021 χ^2/NDF : 13.6/6

1.478 ± 2.096 χ^2/NDF : 24.0/25

5.220 ± 2.114 χ^2/NDF : 39.0/26

diff_bpm4acY_rms vs Slug



Right In: 7785.931 $\pm$ 2.197 χ^2 /NDF: 738101.9/16

Left Out: 7149.485 $\pm$ 2.007 χ^2 /NDF: 286513.1/8

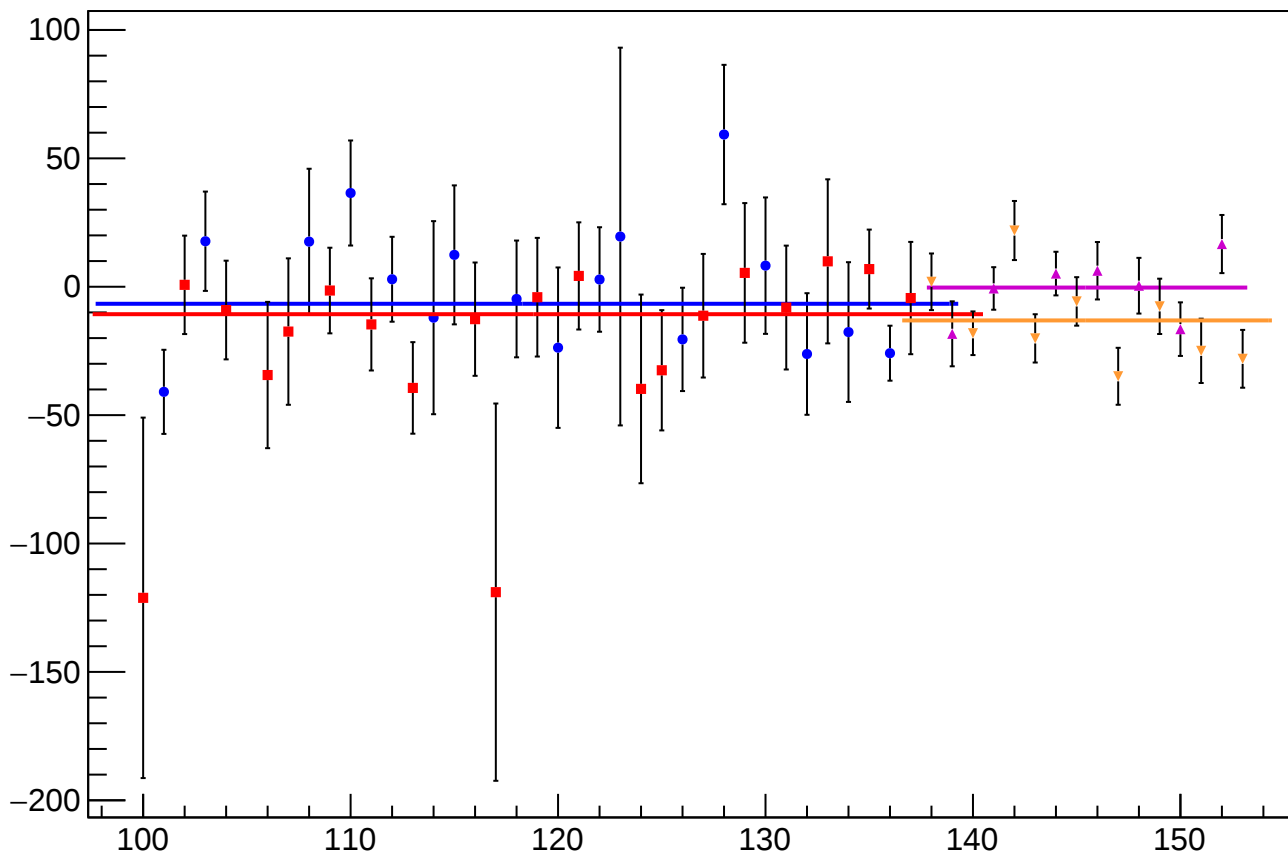
7439.116 $\pm$ 1.482 χ^2 /NDF: 1070361.1/25

Right Out: 7691.398 $\pm$ 2.093 χ^2 /NDF: 686898.9/19

7380.261 $\pm$ 1.495 χ^2 /NDF: 1124244.6/26

Left In: 7056.089 $\pm$ 2.136 χ^2 /NDF: 392206.8/6

diff_bpm4ecX_mean vs Slug



Right In: -6.634 ± 5.101 χ^2/NDF : 23.4/16

Left Out: -13.118 ± 3.467 χ^2/NDF : 19.4/8

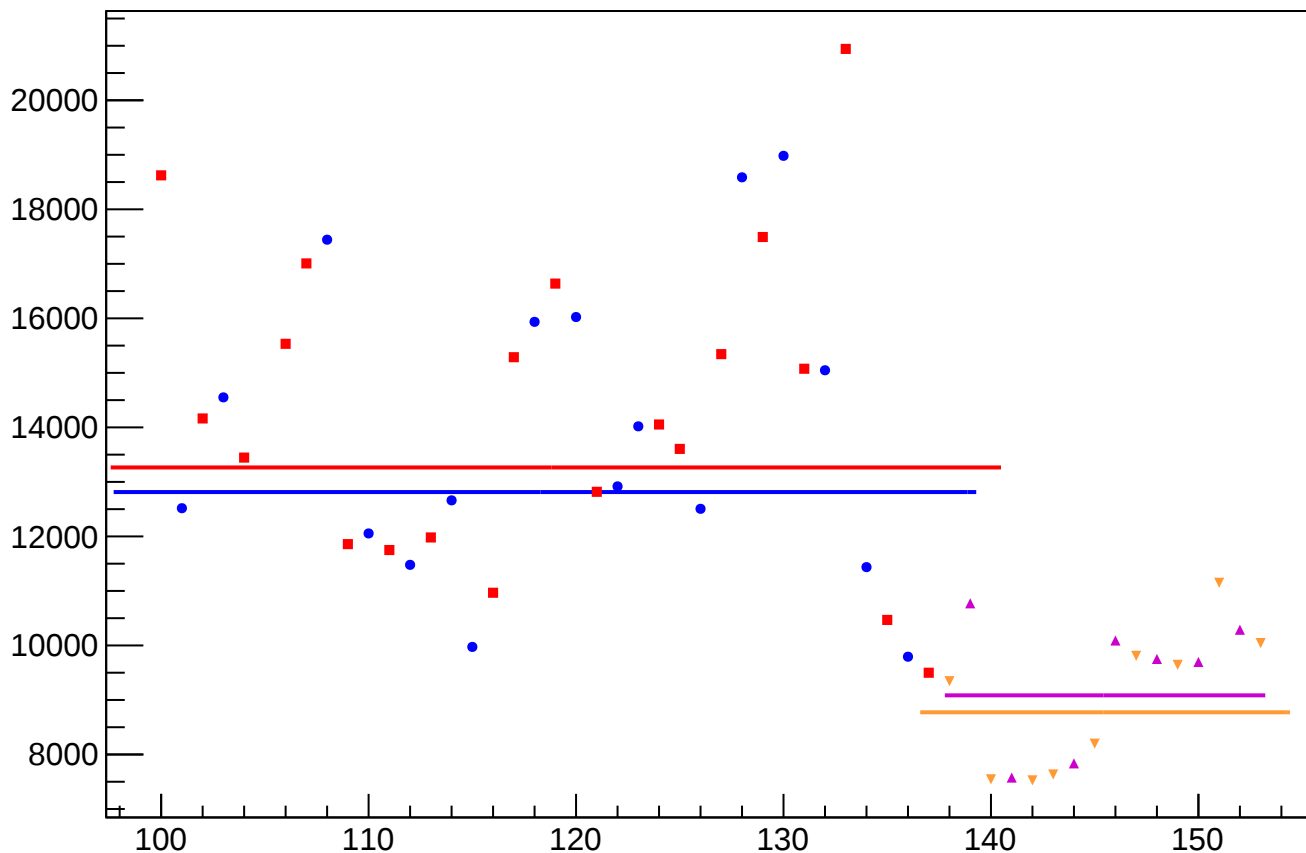
Right Out: -10.688 ± 5.063 χ^2/NDF : 13.0/19

Left In: -0.320 ± 3.830 χ^2/NDF : 7.4/6

-11.069 ± 2.868 χ^2/NDF : 43.9/25

-4.094 ± 3.055 χ^2/NDF : 23.1/26

diff_bpm4ecX_rms vs Slug



Right In: 12813.726+/-3.607 χ^2/NDF : 548127.6/16

Left Out: 8773.555+/-2.452 χ^2/NDF : 235525.1/8

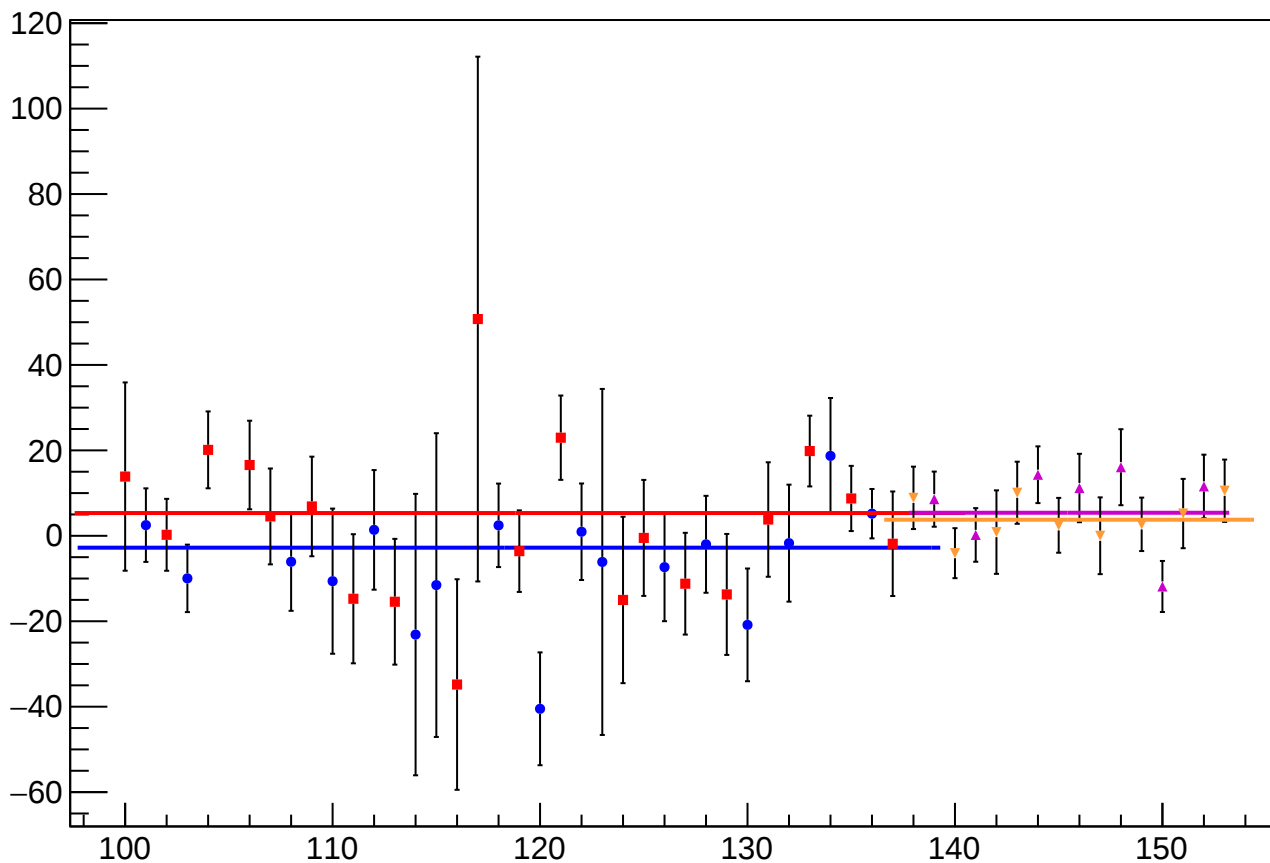
Right Out: 13265.185+/-3.580 χ^2/NDF : 485810.1/19

Left In: 9084.746+/-2.708 χ^2/NDF : 198320.1/6

10050.309+/-2.028 χ^2/NDF : 1641696.1/25

10606.513+/-2.160 χ^2/NDF : 1551390.1/26

diff_bpm4ecY_mean vs Slug



Right In: -2.778 ± 2.747 χ^2/NDF : 17.0/16

Left Out: 3.767 ± 2.400 χ^2/NDF : 4.3/8

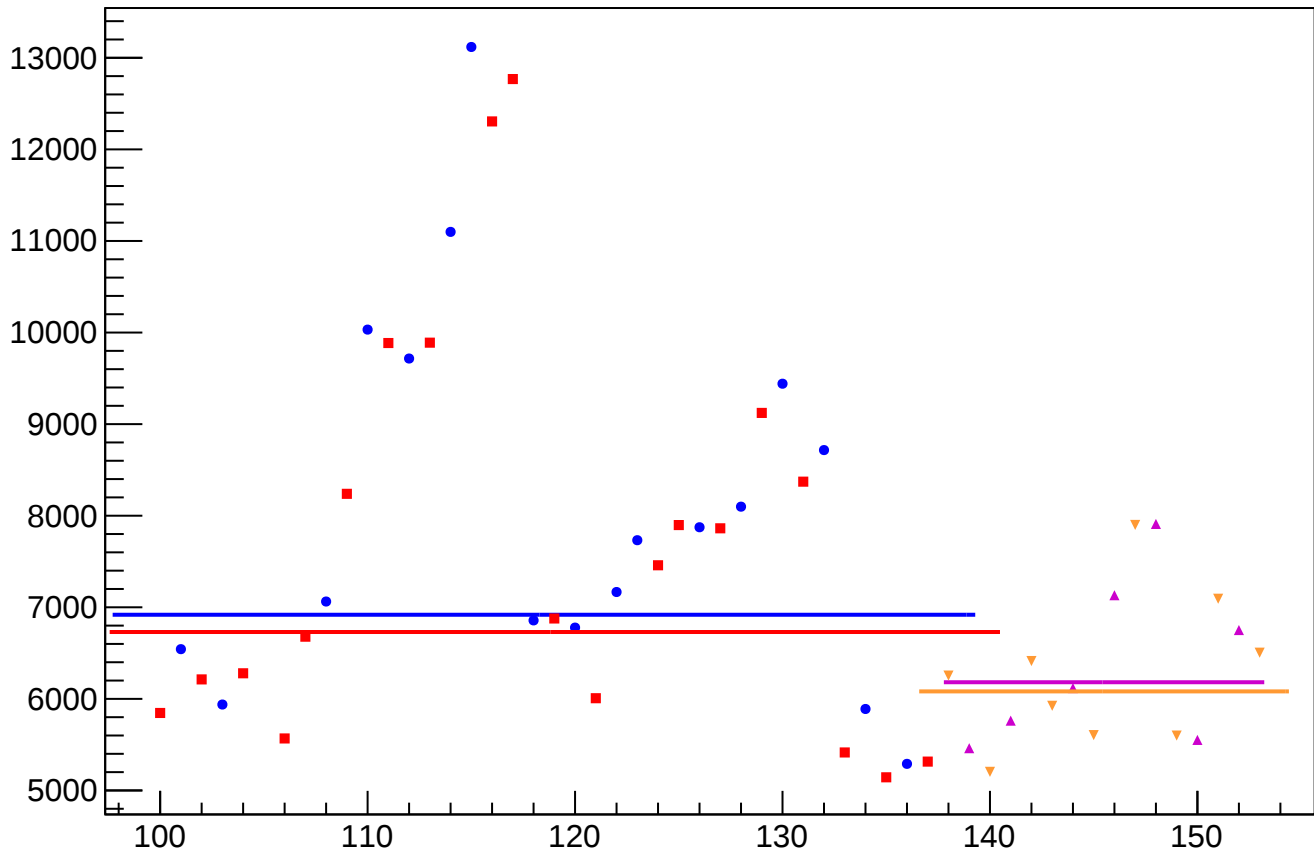
Right Out: 5.332 ± 2.587 χ^2/NDF : 24.1/19

Left In: 5.399 ± 2.613 χ^2/NDF : 13.7/6

0.934 ± 1.807 χ^2/NDF : 24.5/25

5.366 ± 1.838 χ^2/NDF : 37.8/26

diff_bpm4ecY_rms vs Slug



Right In: 6918.554+/-1.943 χ^2/NDF : 587976.6/16

Left Out: 6081.587+/-1.697 χ^2/NDF :192069.2/8

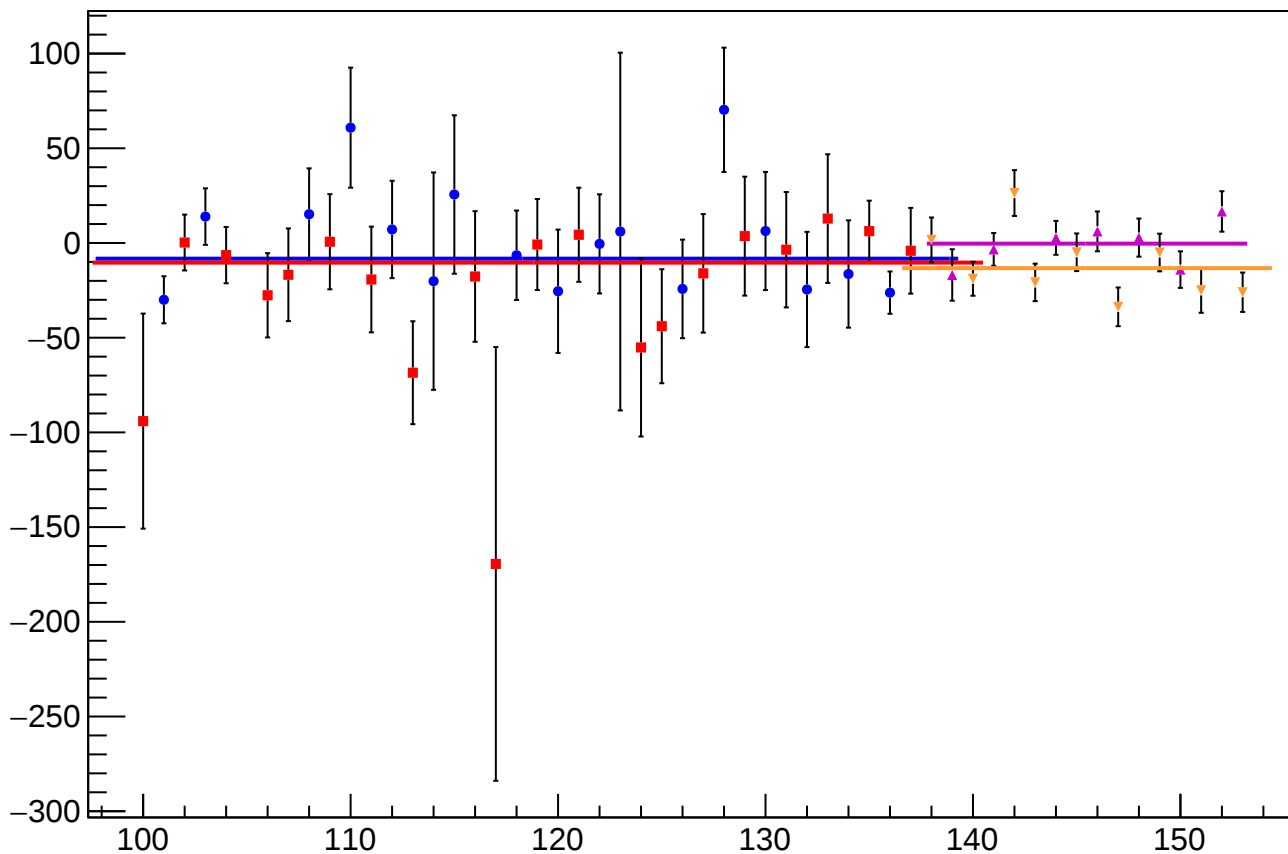
Right Out: 6730.137+/-1.830 χ^2/NDF : 673193.1/19

Left In: 6181.639+/-1.848 χ^2/NDF :171723.1/6

6443.888+/-1.278 χ^2/NDF : 885331.0/25

6458.579+/-1.300 χ^2/NDF : 889416.8/26

diff_bpm1X_mean vs Slug



Right In: -8.286 ± 5.410 $\chi^2/\text{NDF}: 21.7/16$

Left Out: -13.264 ± 3.474 $\chi^2/\text{NDF}: 21.2/8$

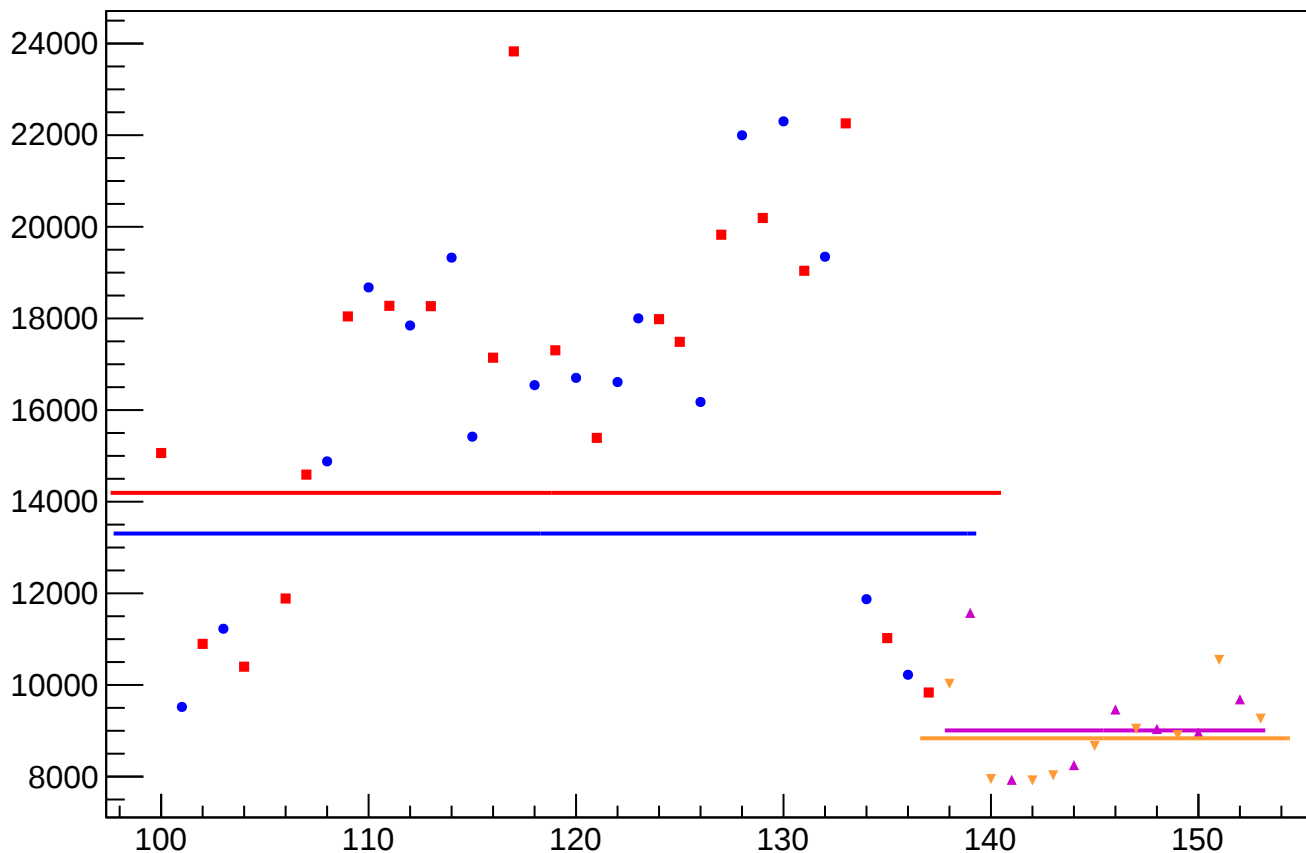
Right Out: -10.376 ± 5.507 $\chi^2/\text{NDF}: 14.8/19$

Left In: -0.345 ± 3.787 $\chi^2/\text{NDF}: 6.8/6$

-11.811 ± 2.923 $\chi^2/\text{NDF}: 43.5/25$

-3.566 ± 3.120 $\chi^2/\text{NDF}: 23.8/26$

diff_bpm1X_rms vs Slug



Right In: 13305.410+/-3.826 χ^2/NDF : 1044091.1/16

Left Out: 8836.180+/-2.456 χ^2/NDF :111396.9/8

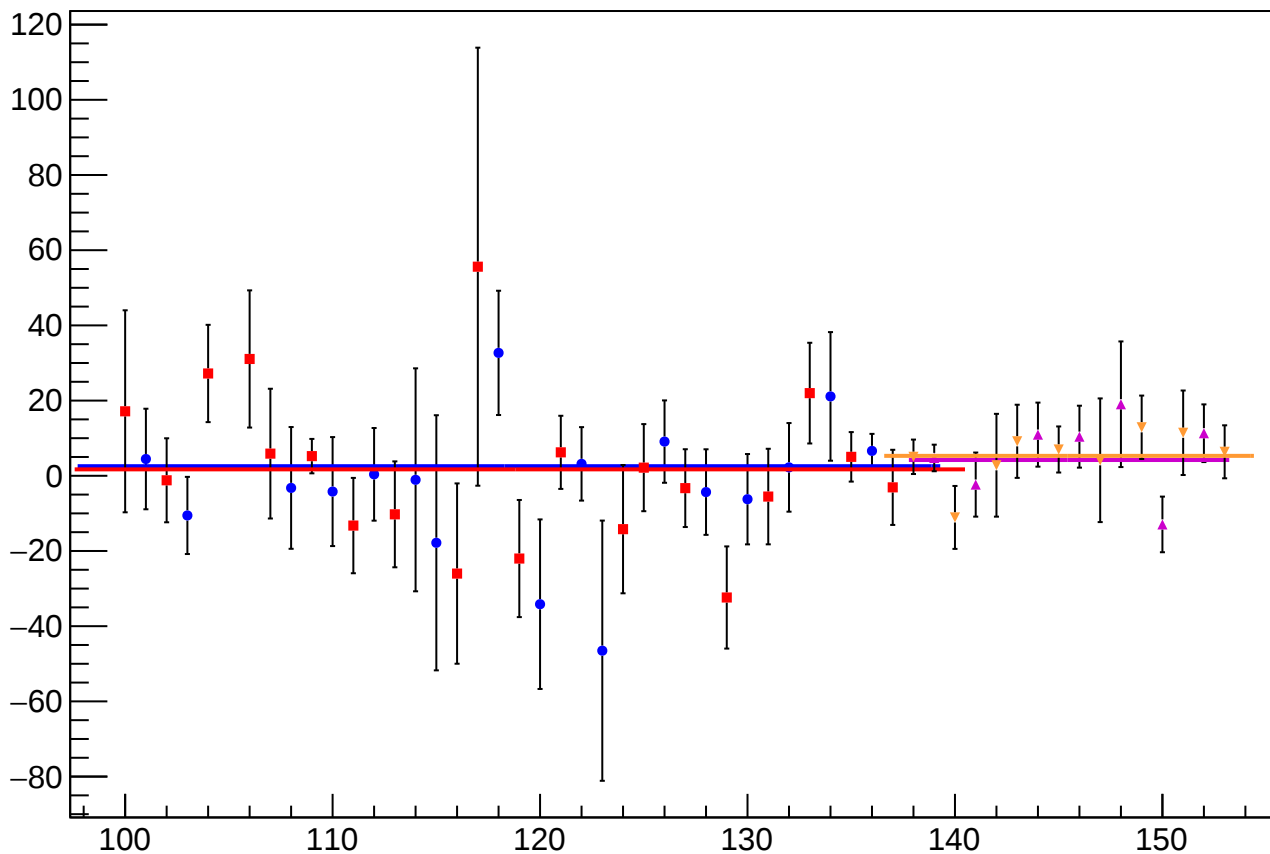
Right Out: 14193.006+/-3.894 χ^2/NDF : 944809.1/19

Left In: 9007.740+/-2.678 χ^2/NDF :128447.5/6

10140.768+/-2.067 χ^2/NDF : 2121918.8/25

10672.668+/-2.206 χ^2/NDF : 2277185.1/26

diff_bpm1Y_mean vs Slug



Right In: 2.551 ± 2.757 χ^2/NDF : 13.6/16

Left Out: 5.301 ± 2.579 χ^2/NDF : 5.2/8

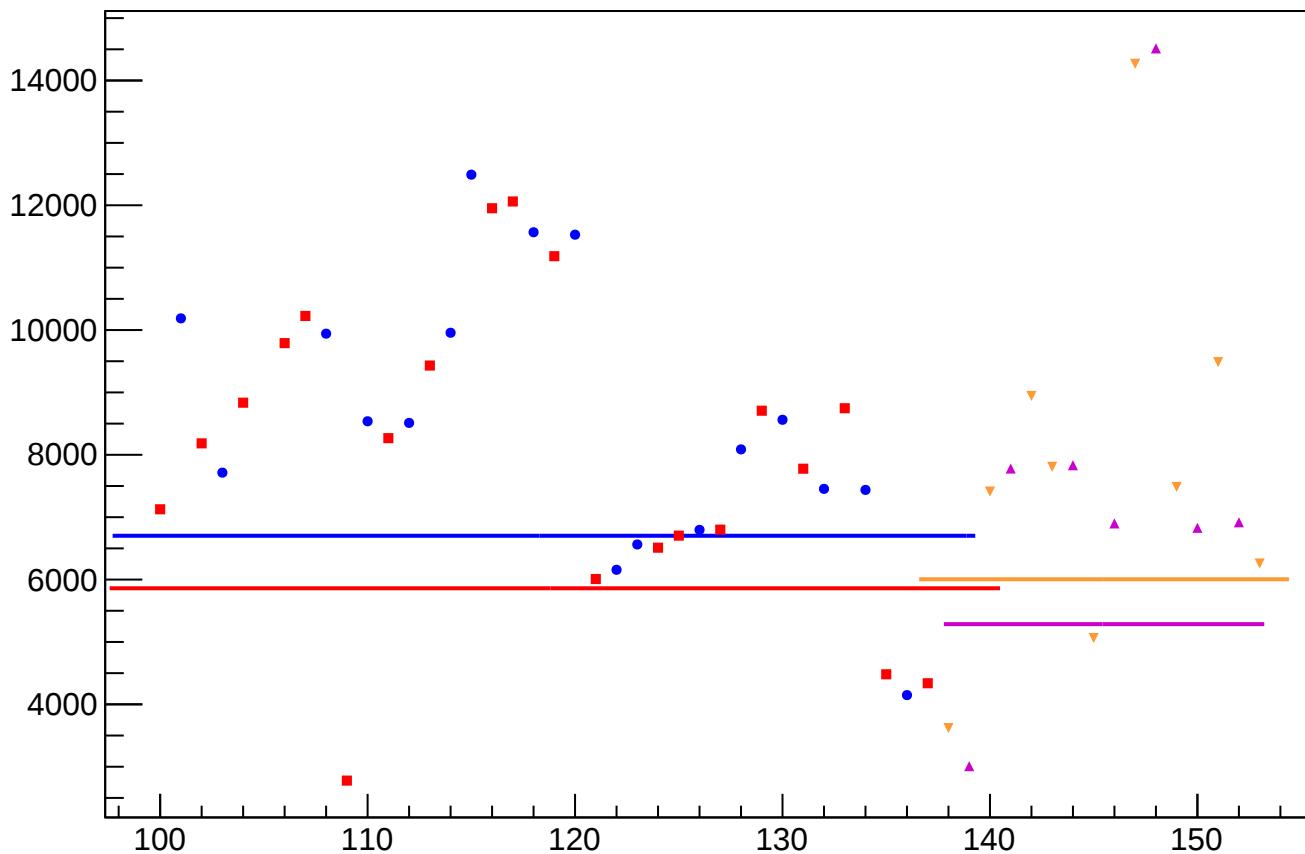
Right Out: 1.708 ± 2.440 χ^2/NDF : 24.9/19

Left In: 4.194 ± 2.491 χ^2/NDF : 8.8/6

4.017 ± 1.883 χ^2/NDF : 19.4/25

2.926 ± 1.743 χ^2/NDF : 34.2/26

diff_bpm1Y_rms vs Slug



Right In: 6702.245+/-1.949 χ^2/NDF : 1389956.8/16

Left Out: 6005.122+/-1.824 χ^2/NDF :1568370.2/8

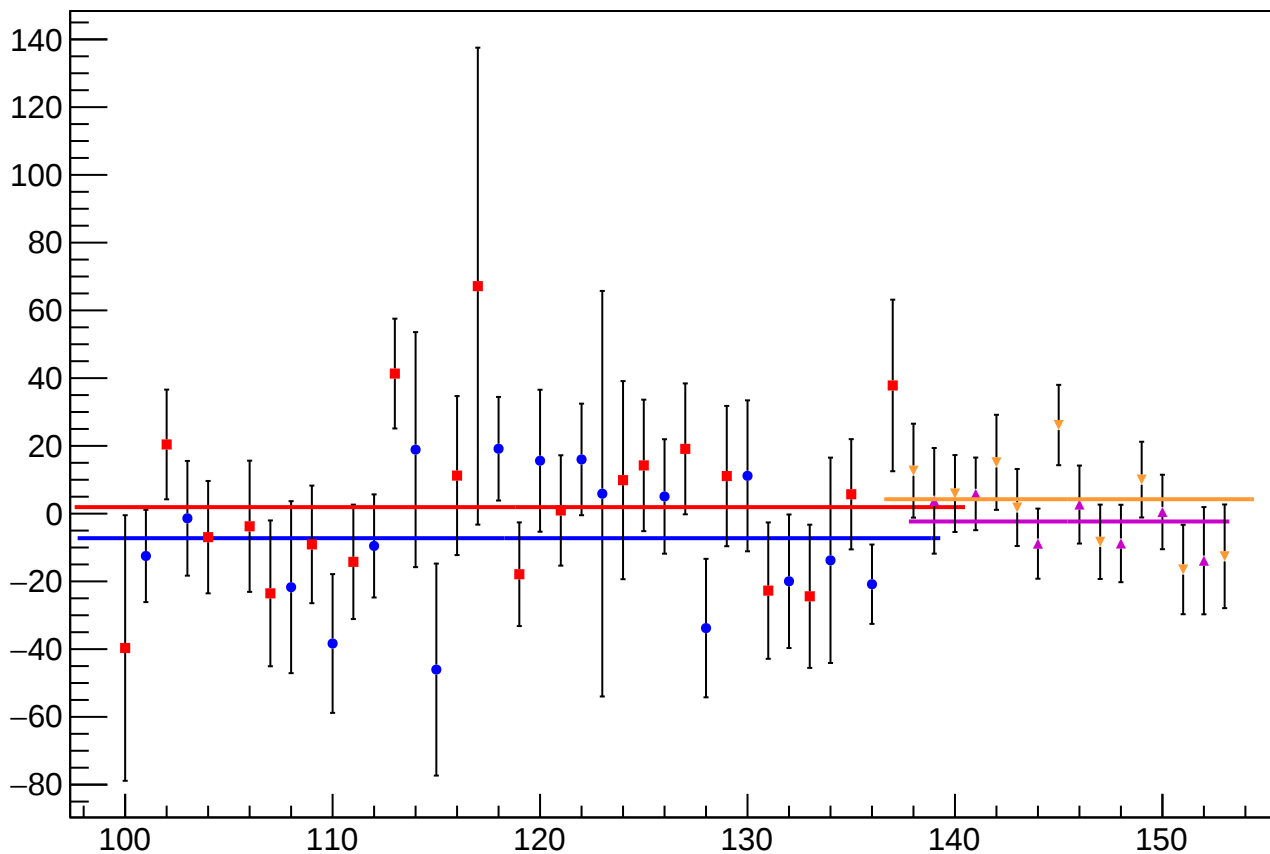
Right Out: 5860.505+/-1.725 χ^2/NDF : 2301163.3/19

Left In: 5285.803+/-1.761 χ^2/NDF :2044851.1/6

6330.513+/-1.332 χ^2/NDF : 3026523.2/25

5579.055+/-1.233 χ^2/NDF : 4400344.0/26

diff_bpm11X_mean vs Slug



Right In: -7.245 ± 4.547 χ^2/NDF : 15.9/16

Left Out: 4.254 ± 4.110 χ^2/NDF : 9.7/8

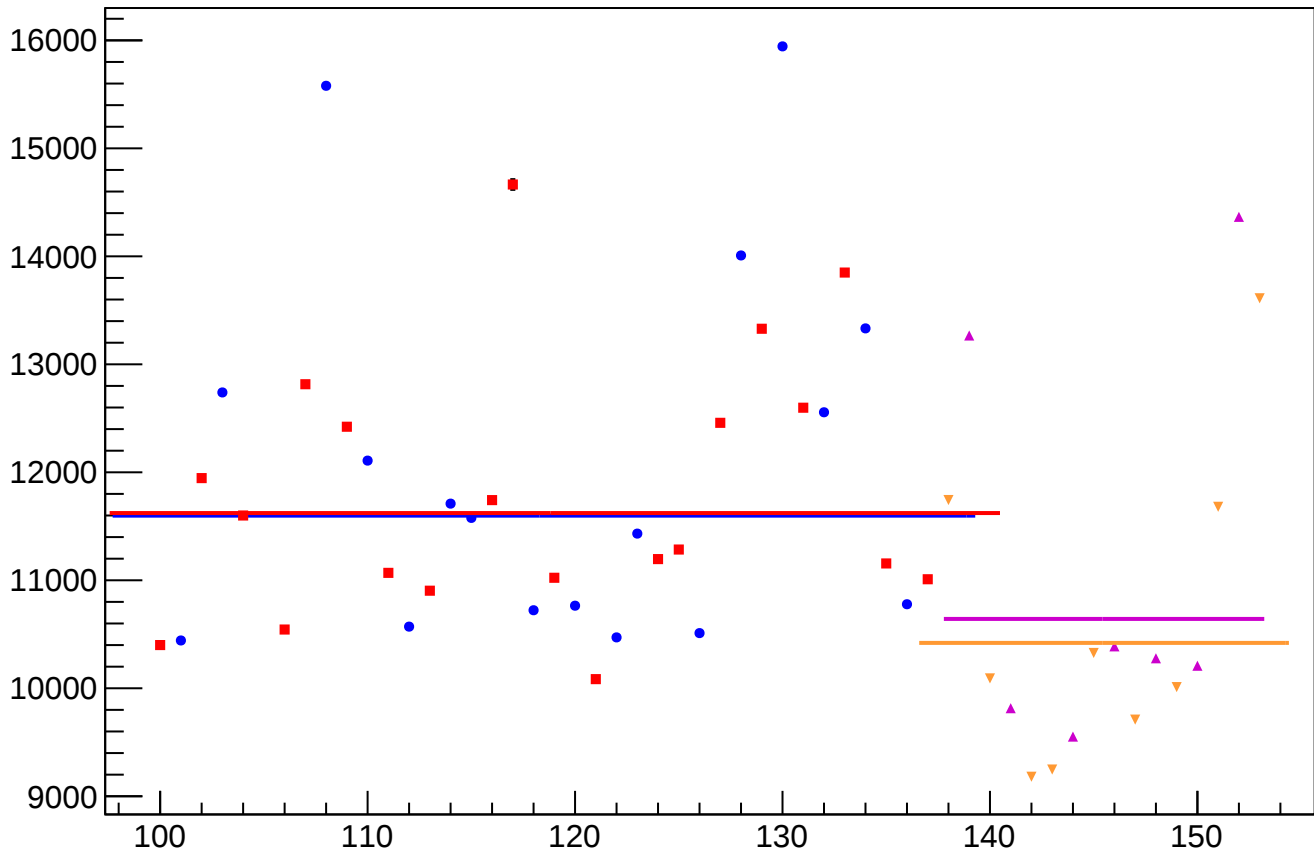
Right Out: 1.922 ± 4.365 χ^2/NDF : 20.7/19

Left In: -2.318 ± 4.489 χ^2/NDF : 2.2/6

-0.917 ± 3.049 χ^2/NDF : 29.2/25

-0.138 ± 3.129 χ^2/NDF : 23.4/26

diff_bpm11X_rms vs Slug



Right In: 11598.751+/-3.215 χ^2/NDF : 235423.8/16

Left Out: 10420.204+/-2.906 χ^2/NDF :173189.4/8

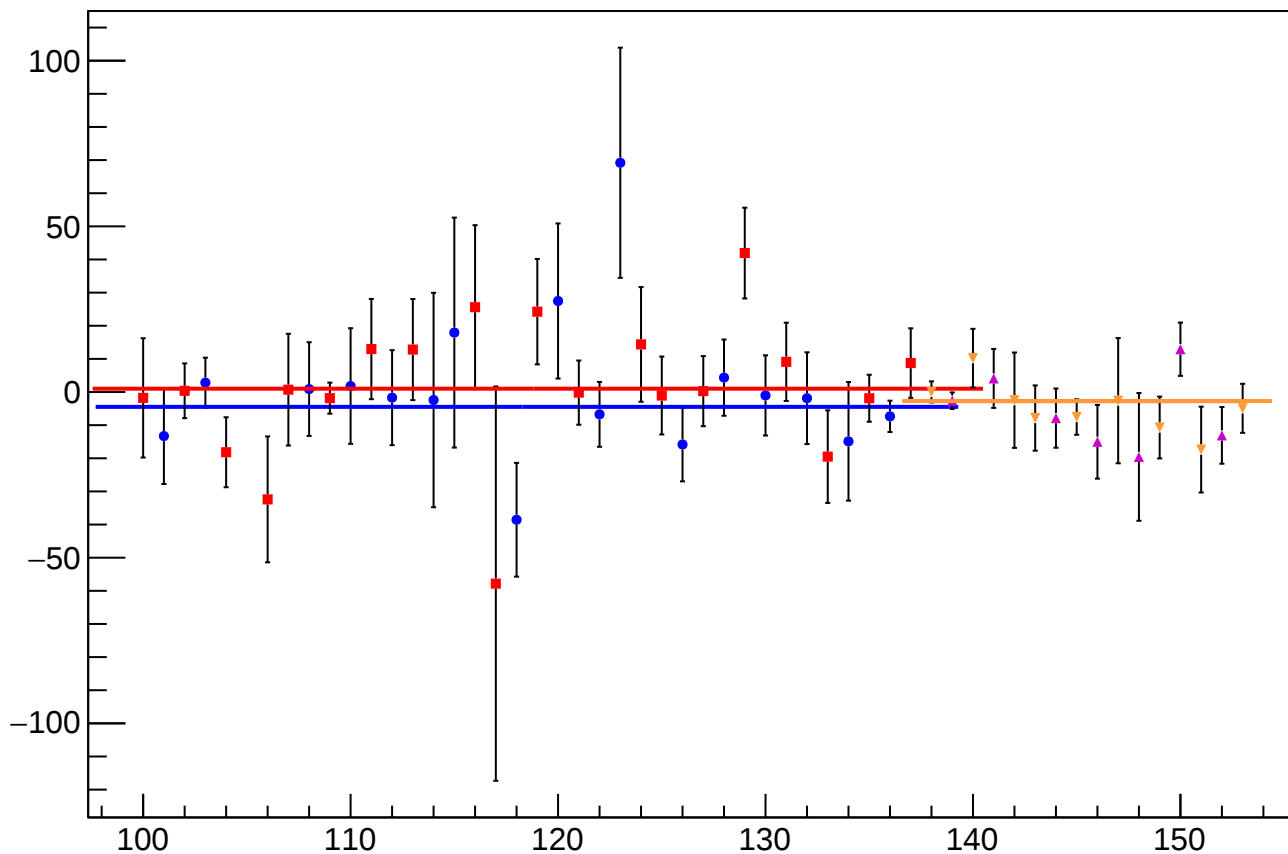
10950.176+/-2.156 χ^2/NDF : 482556.9/25

Right Out: 11622.681+/-3.086 χ^2/NDF : 98197.0/19

11146.230+/-2.213 χ^2/NDF : 354788.3/26

Left In: 10642.227+/-3.174 χ^2/NDF :207547.4/6

diff_bpm11Y_mean vs Slug



Right In: -4.476 ± 2.782 $\chi^2/\text{NDF}: 14.8/16$

Left Out: -2.721 ± 2.234 $\chi^2/\text{NDF}: 6.1/8$

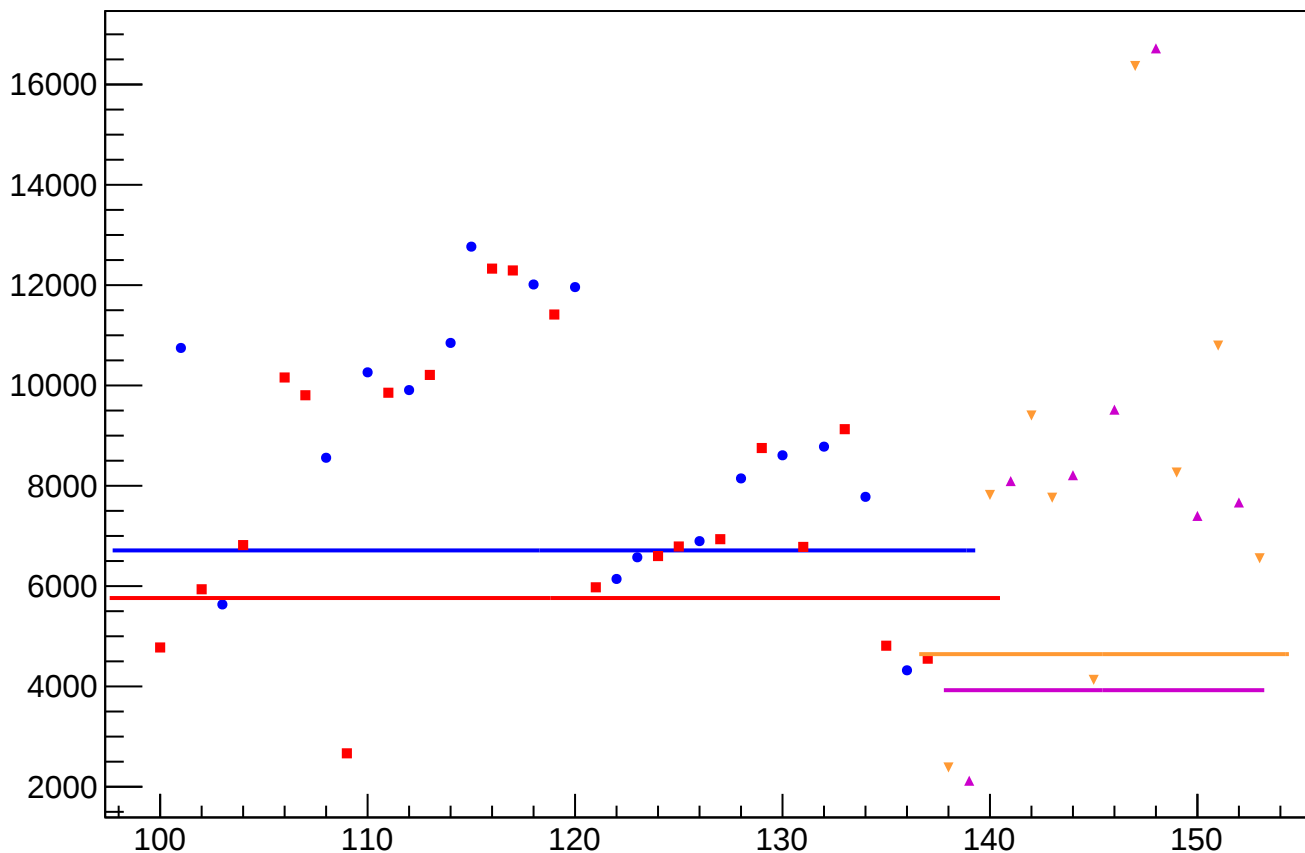
Right Out: 1.007 ± 2.427 $\chi^2/\text{NDF}: 25.0/19$

Left In: -2.738 ± 2.102 $\chi^2/\text{NDF}: 8.2/6$

-3.409 ± 1.742 $\chi^2/\text{NDF}: 21.2/25$

-1.132 ± 1.589 $\chi^2/\text{NDF}: 34.5/26$

diff_bpm11Y_rms vs Slug



Right In: 6711.550+/-1.967 χ^2/NDF : 1446972.0/16

Left Out: 4643.993+/-1.580 χ^2/NDF : 3361214.0/8

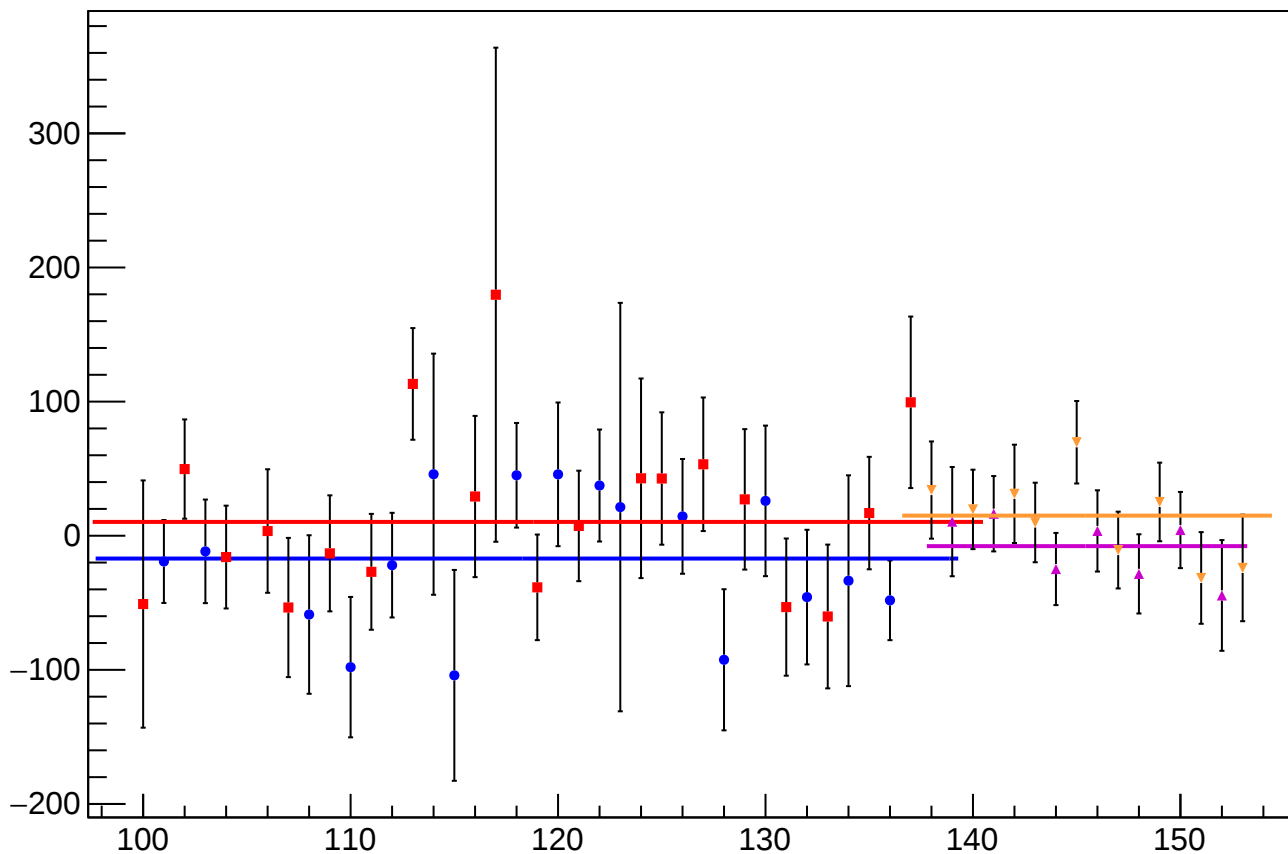
Right Out: 5762.387+/-1.716 χ^2/NDF : 2189239.7/19

Left In: 3925.367+/-1.487 χ^2/NDF : 4091476.9/6

5454.708+/-1.232 χ^2/NDF : 5479846.8/25

4712.948+/-1.124 χ^2/NDF : 6935324.3/26

diff_bpm12X_mean vs Slug



Right In: -17.010 ± 11.287 $\chi^2/\text{NDF}: 15.0/16$

Left Out: 14.995 ± 10.712 $\chi^2/\text{NDF}: 7.4/8$

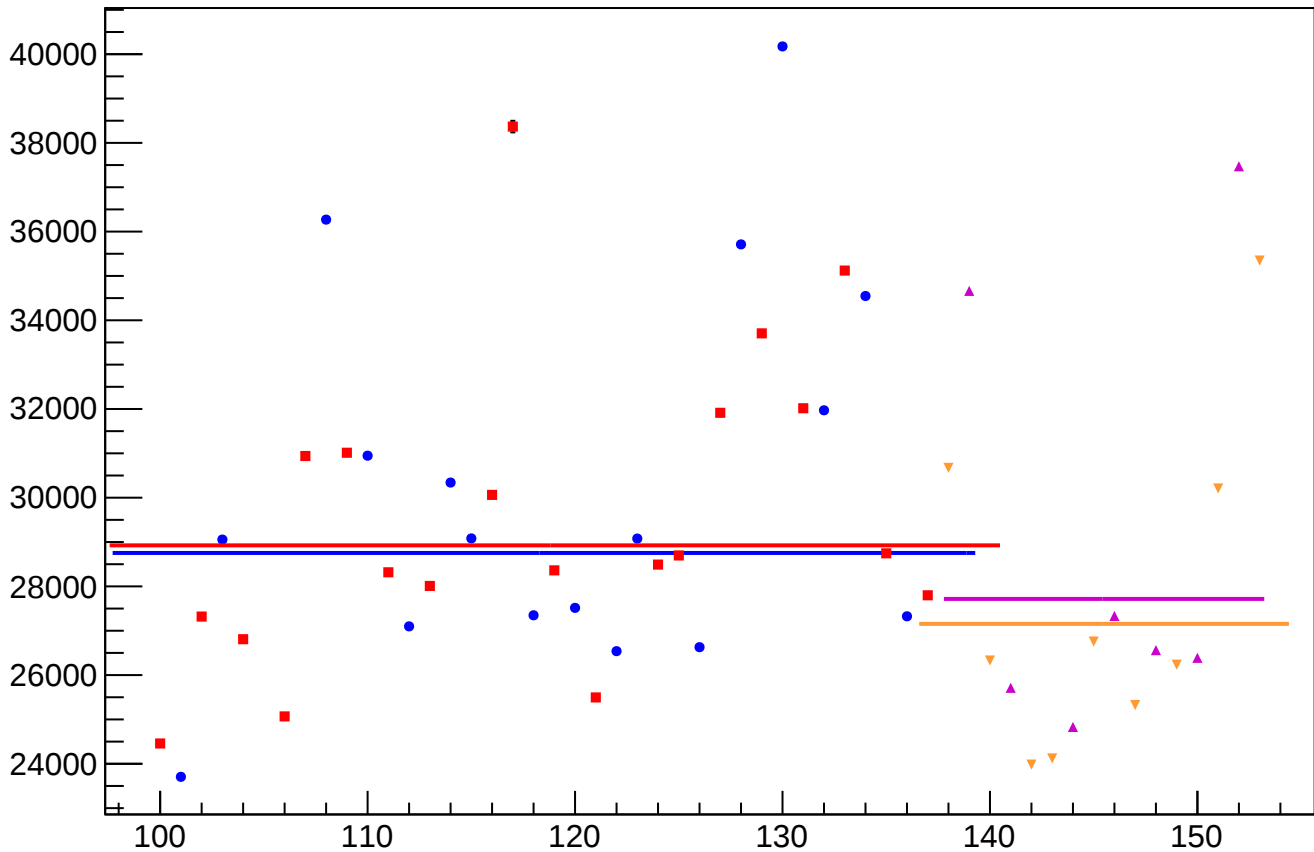
Right Out: 10.311 ± 10.872 $\chi^2/\text{NDF}: 19.9/19$

Left In: -7.754 ± 11.693 $\chi^2/\text{NDF}: 2.9/6$

-0.172 ± 7.770 $\chi^2/\text{NDF}: 26.6/25$

1.935 ± 7.962 $\chi^2/\text{NDF}: 24.1/26$

diff_bpm12X_rms vs Slug



Right In: 28753.787 ± 7.981 χ^2/NDF : 249215.1/16

Left Out: 27155.250 ± 7.575 χ^2/NDF : 167771.2/8

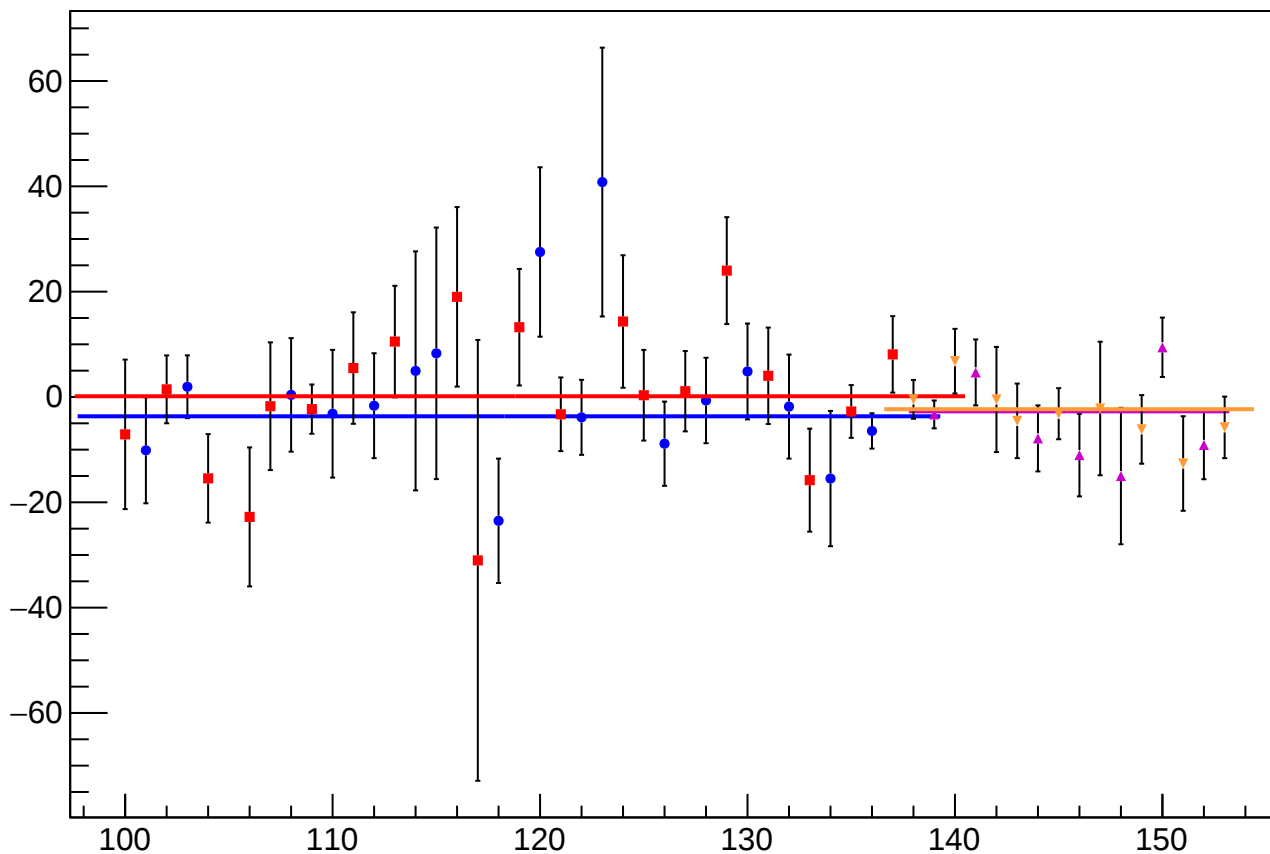
Right Out: 28925.160 ± 7.687 χ^2/NDF : 116514.7/19

Left In: 27717.352 ± 8.268 χ^2/NDF : 210829.3/6

27912.785 ± 5.494 χ^2/NDF : 438091.3/25

28365.173 ± 5.630 χ^2/NDF : 338788.9/26

diff_bpm12Y_mean vs Slug



Right In: -3.668 ± 2.010 χ^2/NDF : 14.5/16

Left Out: -2.321 ± 2.024 χ^2/NDF : 4.6/8

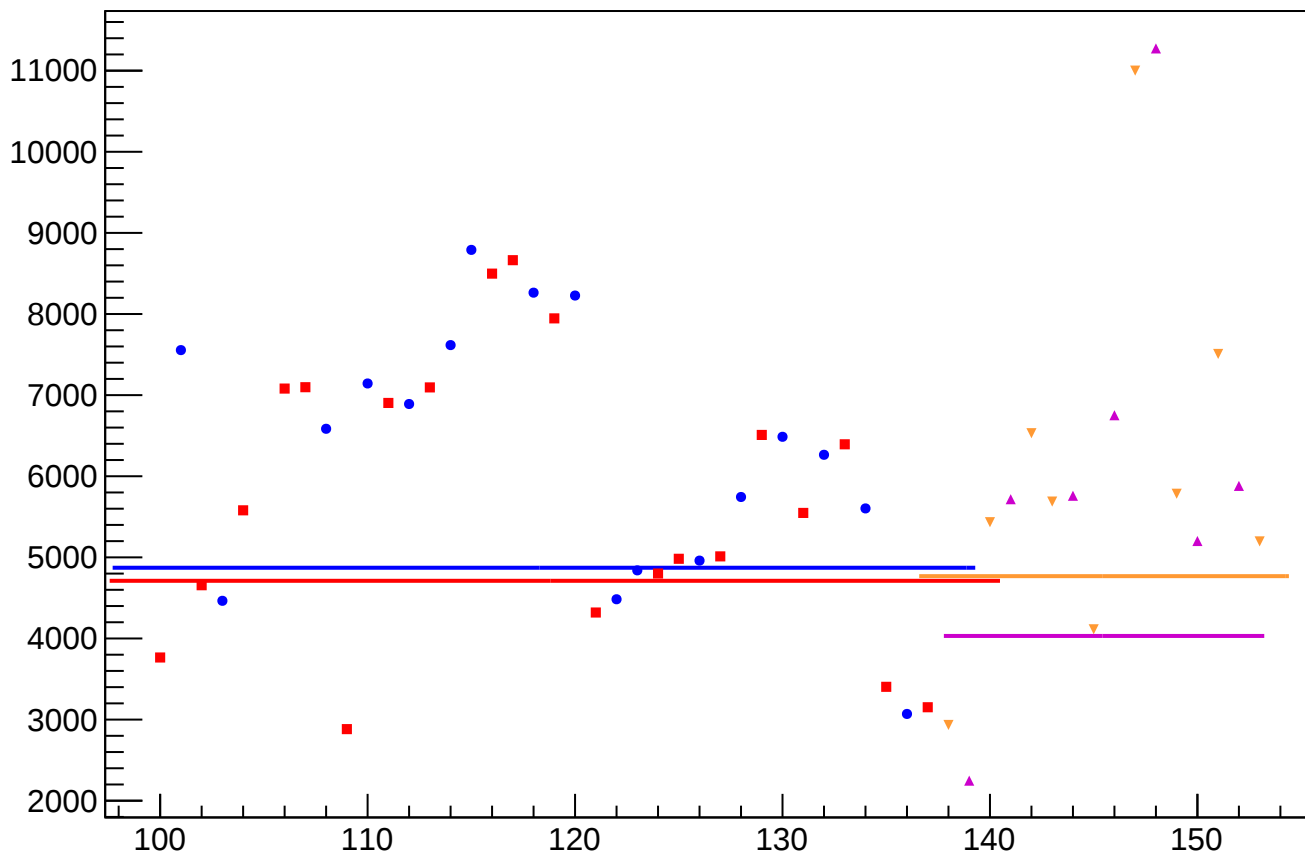
Right Out: 0.135 ± 1.891 χ^2/NDF : 22.9/19

Left In: -2.731 ± 1.921 χ^2/NDF : 9.7/6

-2.999 ± 1.426 χ^2/NDF : 19.4/25

-1.275 ± 1.348 χ^2/NDF : 33.7/26

diff_bpm12Y_rms vs Slug



Right In: 4872.105+/-1.421 χ^2/NDF : 1405253.2/16

Left Out: 4768.279+/-1.431 χ^2/NDF :1380517.2/8

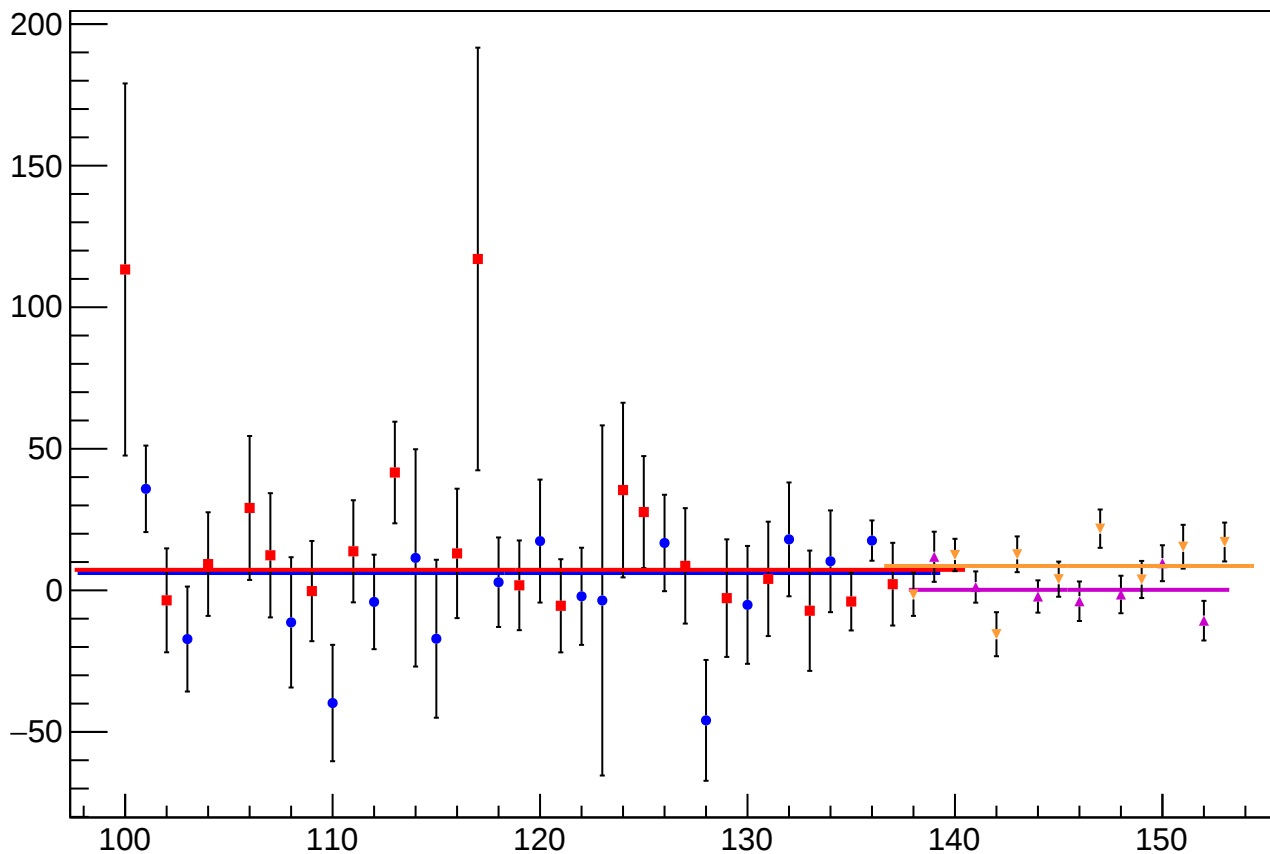
Right Out: 4711.077+/-1.337 χ^2/NDF : 1330595.4/19

Left In: 4031.221+/-1.358 χ^2/NDF :2319142.6/6

4820.548+/-1.008 χ^2/NDF : 2788420.8/25

4376.556+/-0.953 χ^2/NDF : 3776972.8/26

diff_bpm16X_mean vs Slug



Right In: 6.133 ± 4.080 $\chi^2/\text{NDF}: 22.2/16$

Left Out: 8.613 ± 2.245 $\chi^2/\text{NDF}: 19.4/8$

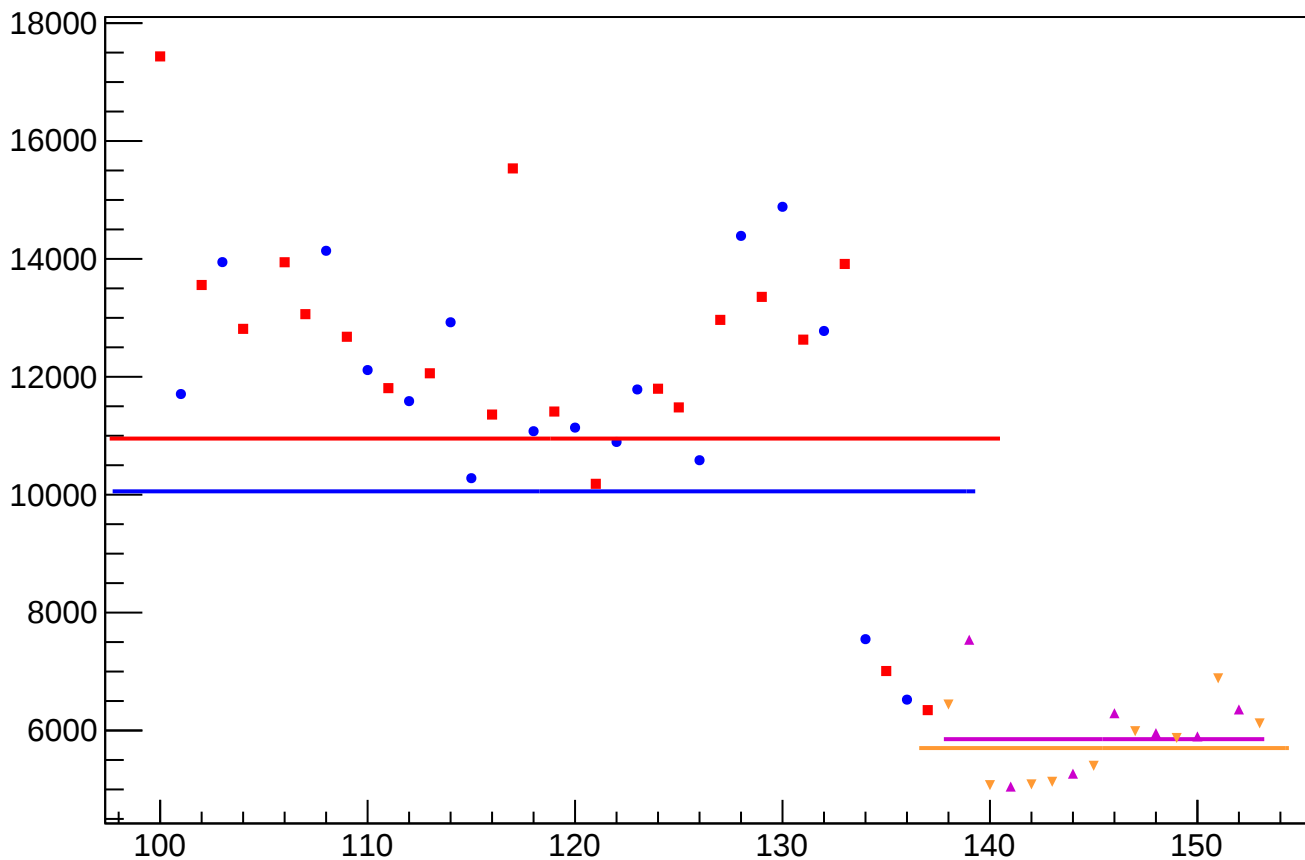
Right Out: 7.243 ± 4.218 $\chi^2/\text{NDF}: 14.6/19$

Left In: 0.186 ± 2.463 $\chi^2/\text{NDF}: 7.0/6$

8.037 ± 1.967 $\chi^2/\text{NDF}: 41.9/25$

1.981 ± 2.127 $\chi^2/\text{NDF}: 23.7/26$

diff_bpm16X_rms vs Slug



Right In: 10056.991+/-2.885 χ^2/NDF : 1002872.6/16

Left Out: 5701.951+/-1.587 χ^2/NDF :135864.8/8

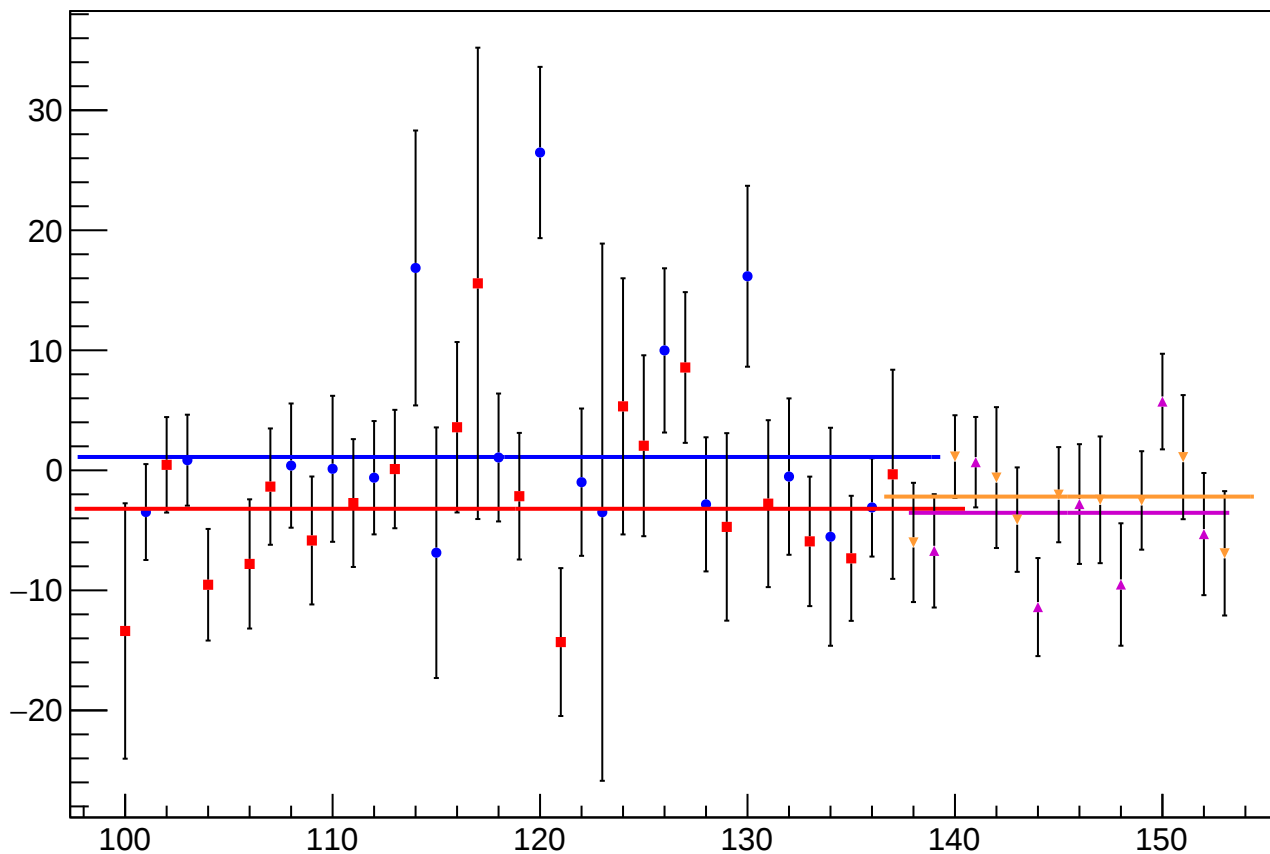
Right Out: 10952.255+/-2.982 χ^2/NDF : 770474.3/19

Left In: 5853.118+/-1.742 χ^2/NDF :154982.9/6

6713.900+/-1.391 χ^2/NDF : 2887810.4/25

7150.225+/-1.504 χ^2/NDF : 3105176.8/26

diff_bpm16Y_mean vs Slug



Right In: 1.112 ± 1.403 χ^2/NDF : 24.6/16

Left Out: -2.188 ± 1.507 χ^2/NDF : 3.0/8

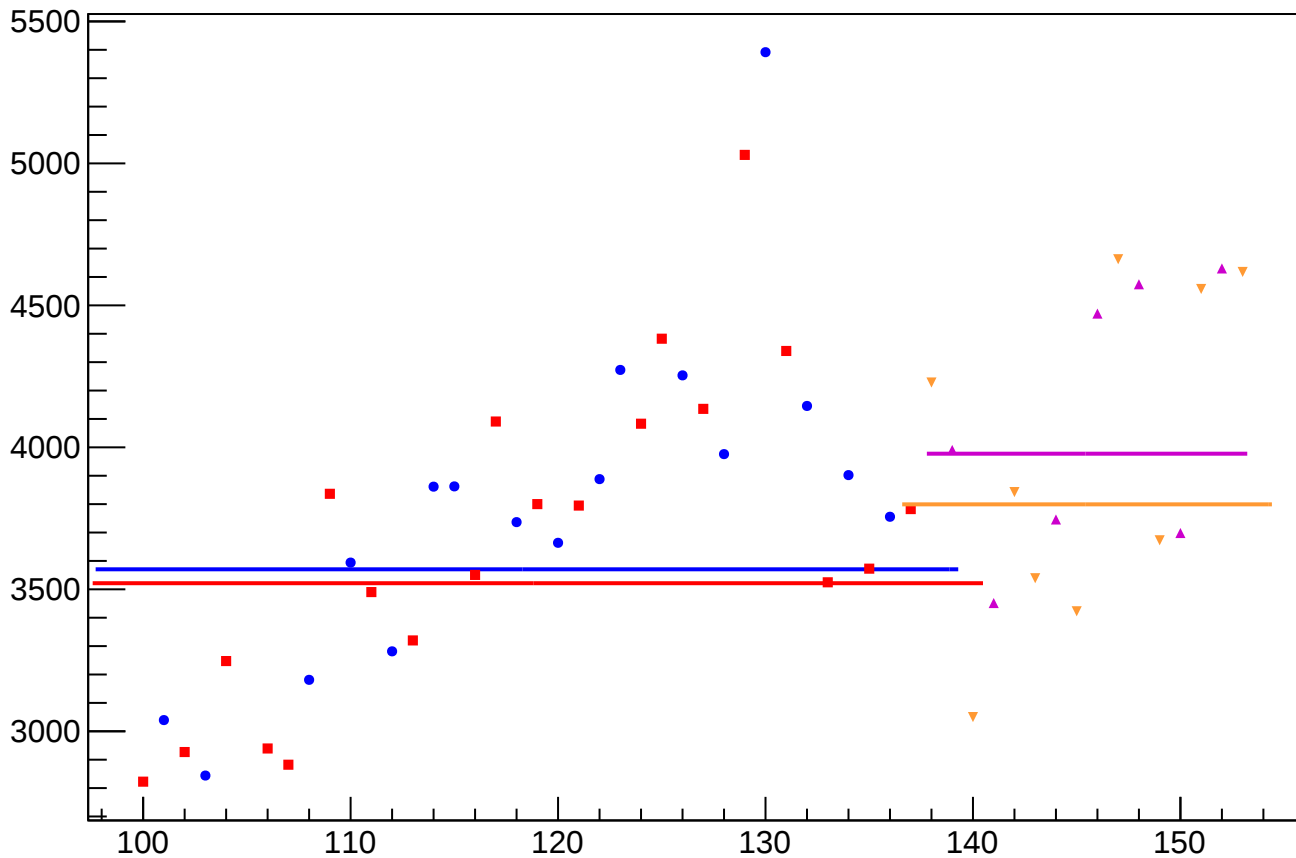
Right Out: -3.204 ± 1.331 χ^2/NDF : 16.0/19

Left In: -3.539 ± 1.677 χ^2/NDF : 12.3/6

-0.420 ± 1.027 χ^2/NDF : 30.2/25

-3.333 ± 1.042 χ^2/NDF : 28.3/26

diff_bpm16Y_rms vs Slug



Right In: 3570.481+/-0.992 χ^2/NDF : 309699.2/16

Left Out: 3799.249+/-1.065 χ^2/NDF : 283353.5/8

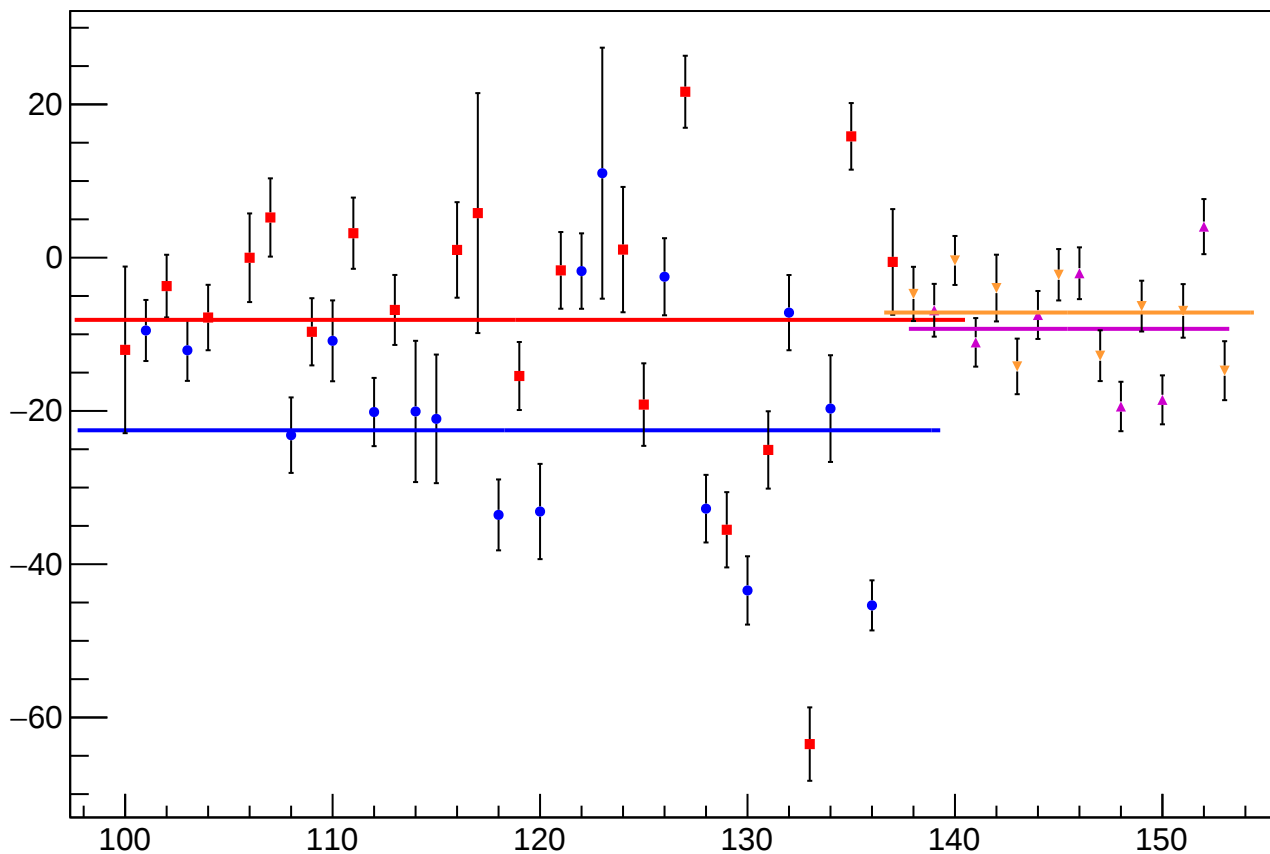
Right Out: 3521.513+/-0.941 χ^2/NDF : 295082.3/19

Left In: 3977.632+/-1.186 χ^2/NDF : 135085.7/6

3676.700+/-0.726 χ^2/NDF : 617748.3/25

3697.709+/-0.737 χ^2/NDF : 520959.8/26

diff_bpm0l01X_mean vs Slug



Right In: -22.526 ± 1.201 χ^2/NDF : 155.5/16

Left Out: -7.159 ± 1.173 χ^2/NDF : 18.3/8

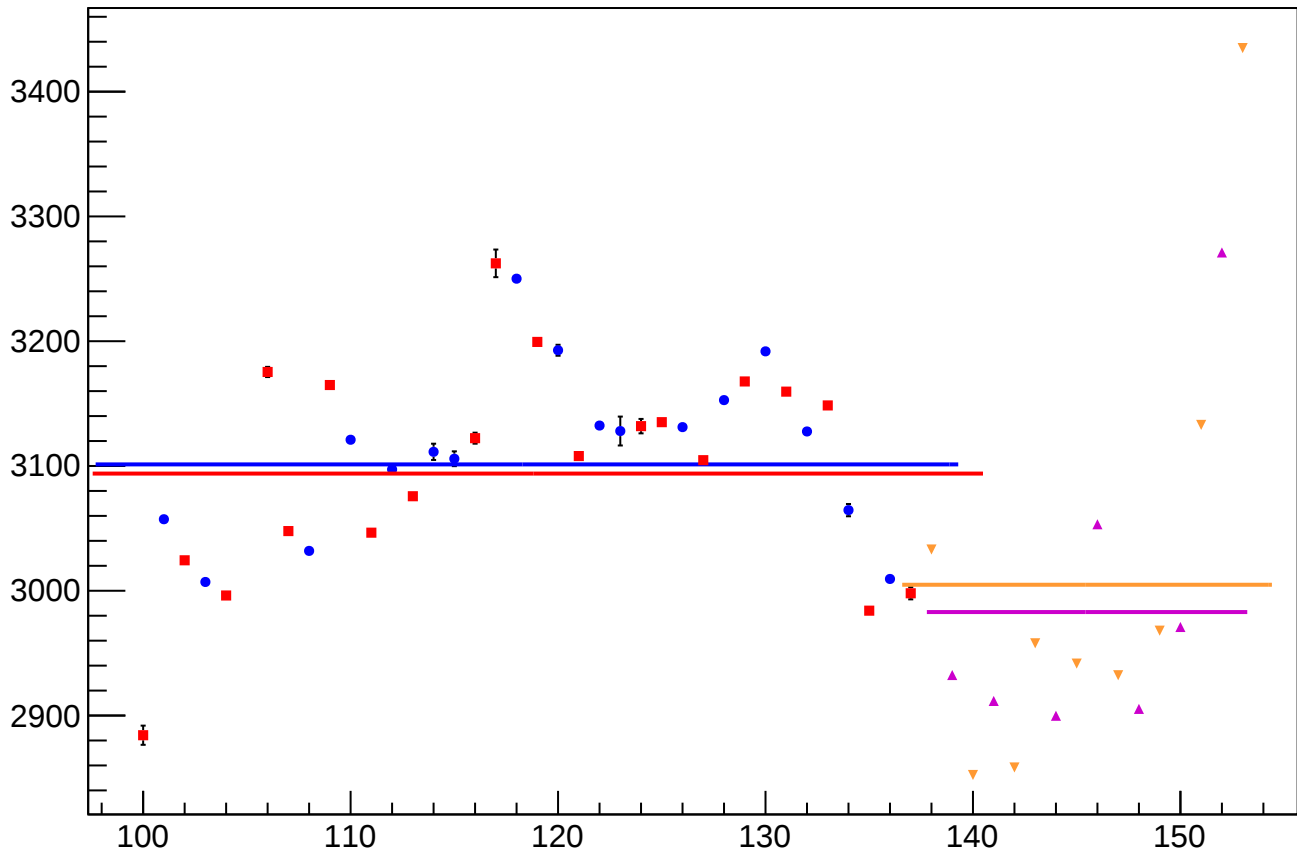
Right Out: -8.116 ± 1.154 χ^2/NDF : 276.6/19

Left In: -9.289 ± 1.245 χ^2/NDF : 37.8/6

-14.662 ± 0.839 χ^2/NDF : 257.6/25

-8.658 ± 0.846 χ^2/NDF : 314.9/26

diff_bpm0l01X_rms vs Slug



Right In: 3101.270 ± 0.849 $\chi^2/\text{NDF}: 7233.8/16$

Left Out: 3004.818 ± 0.829 $\chi^2/\text{NDF}: 36873.7/8$

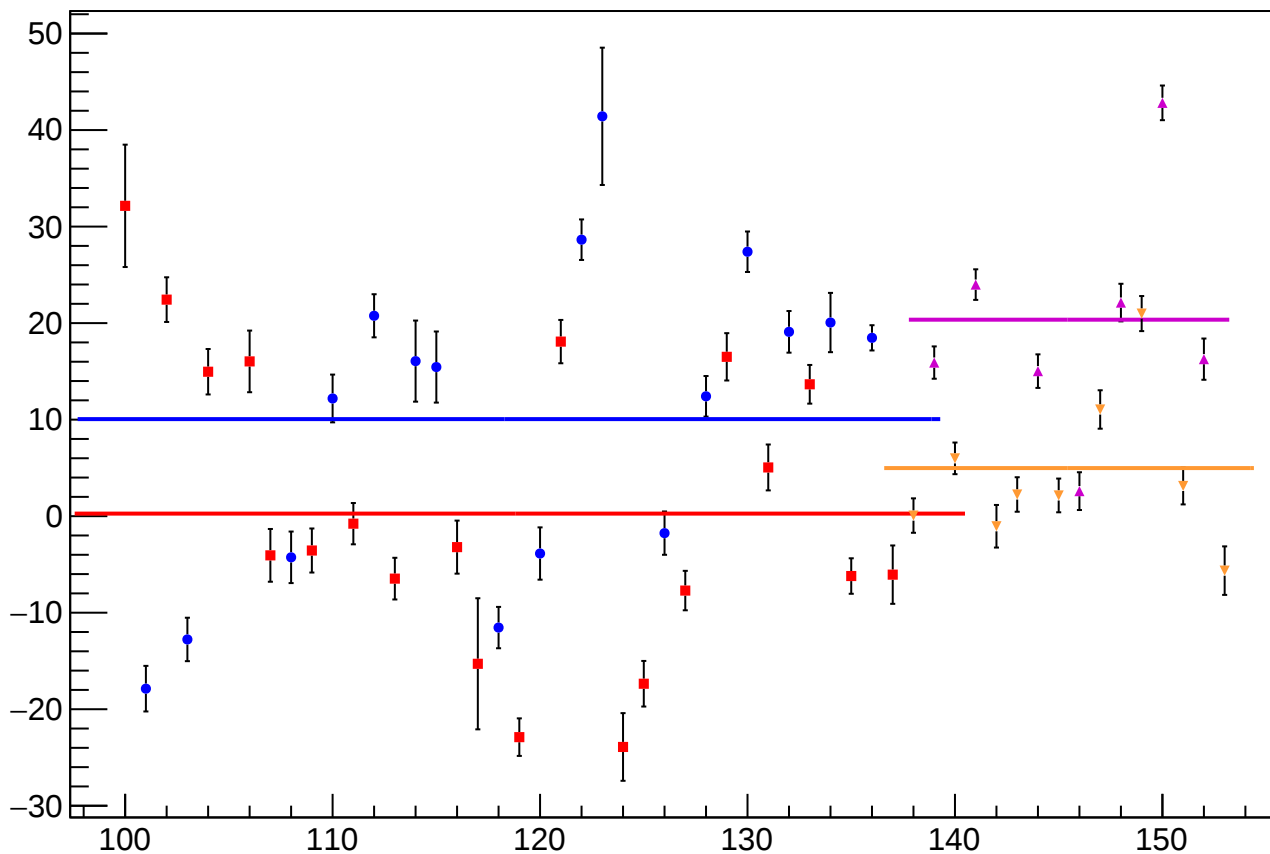
Right Out: 3093.913 ± 0.816 $\chi^2/\text{NDF}: 7998.9/19$

Left In: 2982.932 ± 0.880 $\chi^2/\text{NDF}: 17760.7/6$

3051.911 ± 0.593 $\chi^2/\text{NDF}: 50713.9/25$

3042.638 ± 0.598 $\chi^2/\text{NDF}: 34309.7/26$

diff_bpm0l01Y_mean vs Slug



Right In: 10.055+/-0.562 χ^2/NDF : 692.2/16

Left Out: 4.982+/-0.630 χ^2/NDF : 126.2/8

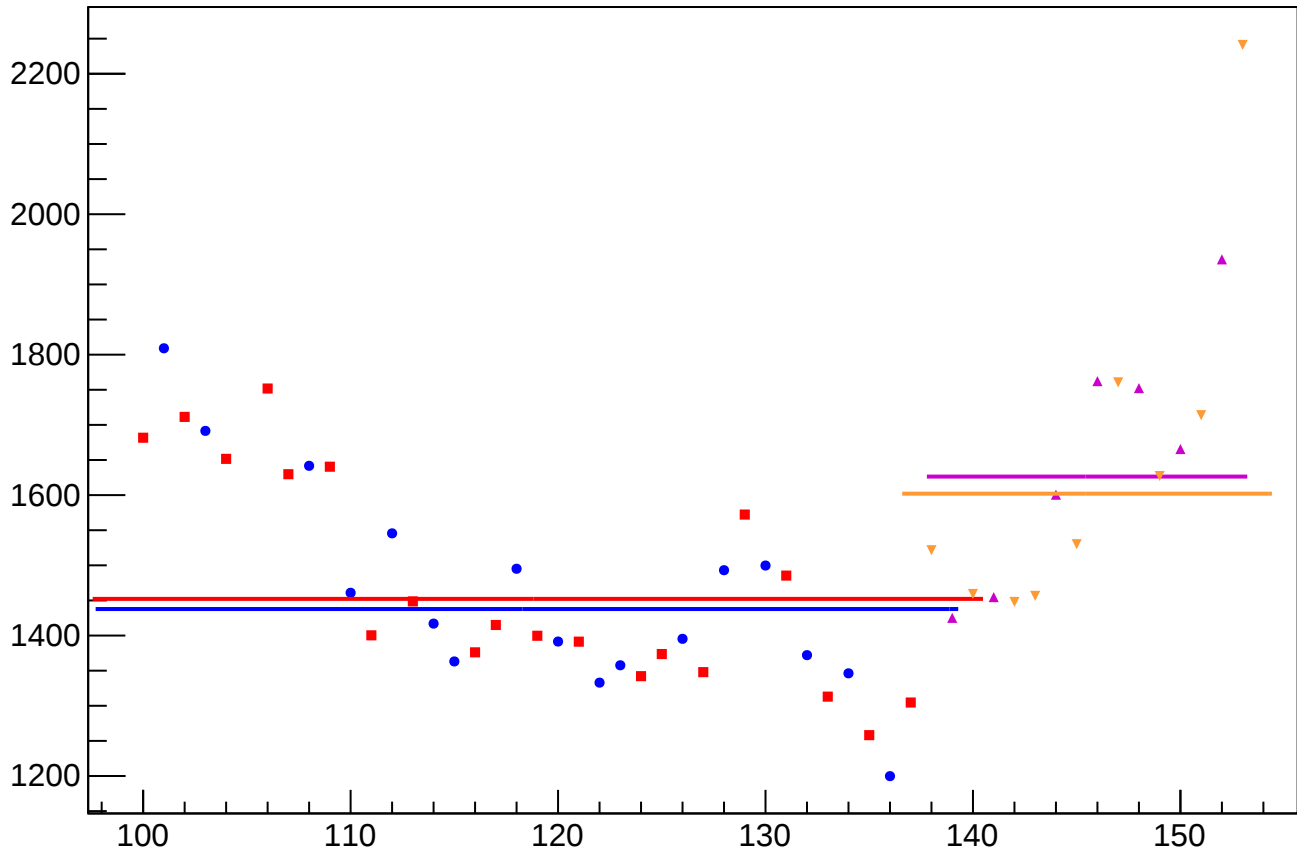
Right Out: 0.266+/-0.545 χ^2/NDF : 635.1/19

Left In: 20.355+/-0.684 χ^2/NDF : 265.2/6

7.809+/-0.419 χ^2/NDF : 854.5/25

8.078+/-0.426 χ^2/NDF : 1428.1/26

diff_bpm0l01Y_rms vs Slug



Right In: 1437.776 ± 0.397 χ^2/NDF : 173216.2/16

Left Out: 1602.050 ± 0.445 χ^2/NDF : 194855.6/8

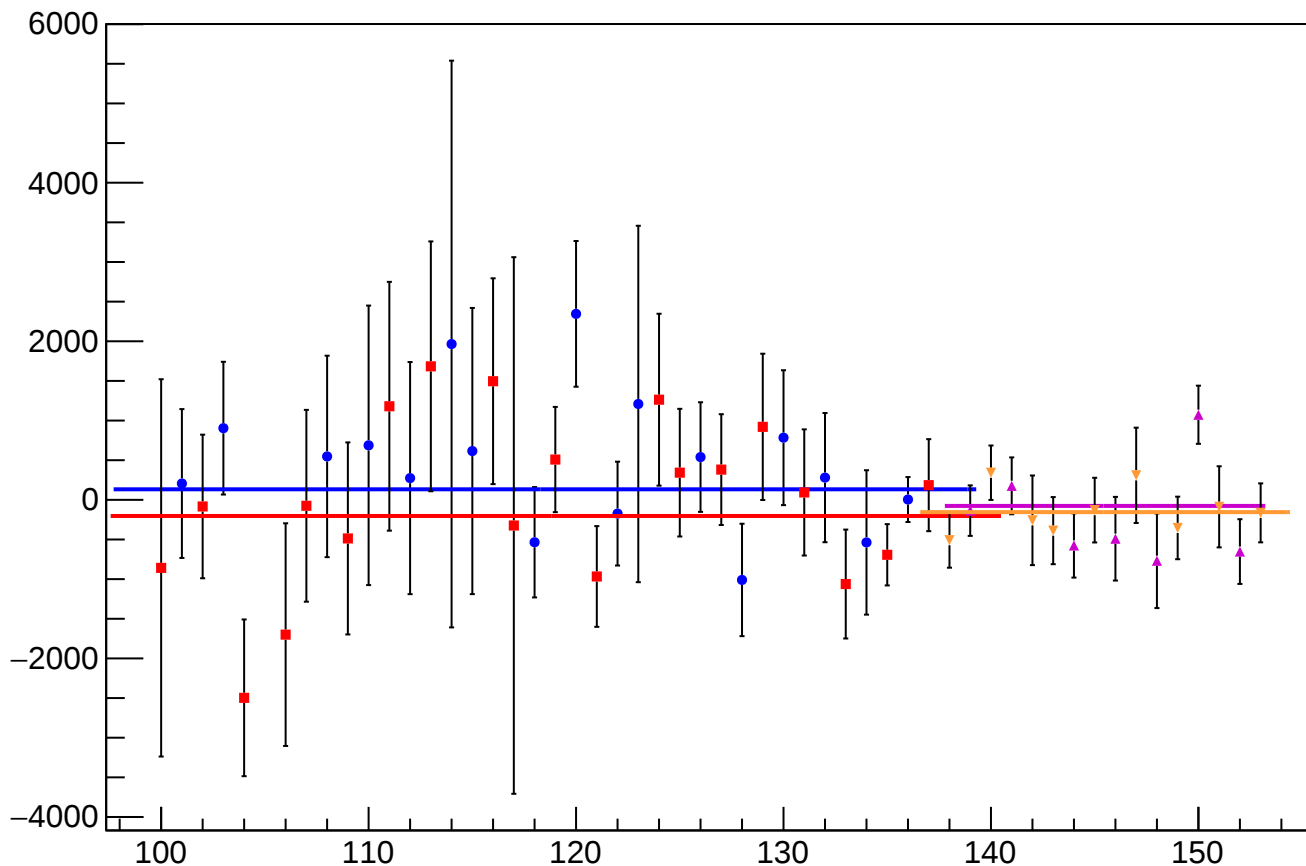
Right Out: 1452.227 ± 0.386 χ^2/NDF : 138666.1/19

Left In: 1626.393 ± 0.483 χ^2/NDF : 113681.7/6

1510.519 ± 0.296 χ^2/NDF : 443835.0/25

1519.952 ± 0.301 χ^2/NDF : 331695.0/26

asym_sam1_mean vs Slug



Right In: 132.921+/-180.271 χ^2/NDF : 12.9/16

Left Out: -154.983+/-138.980 χ^2/NDF : 4.3/8

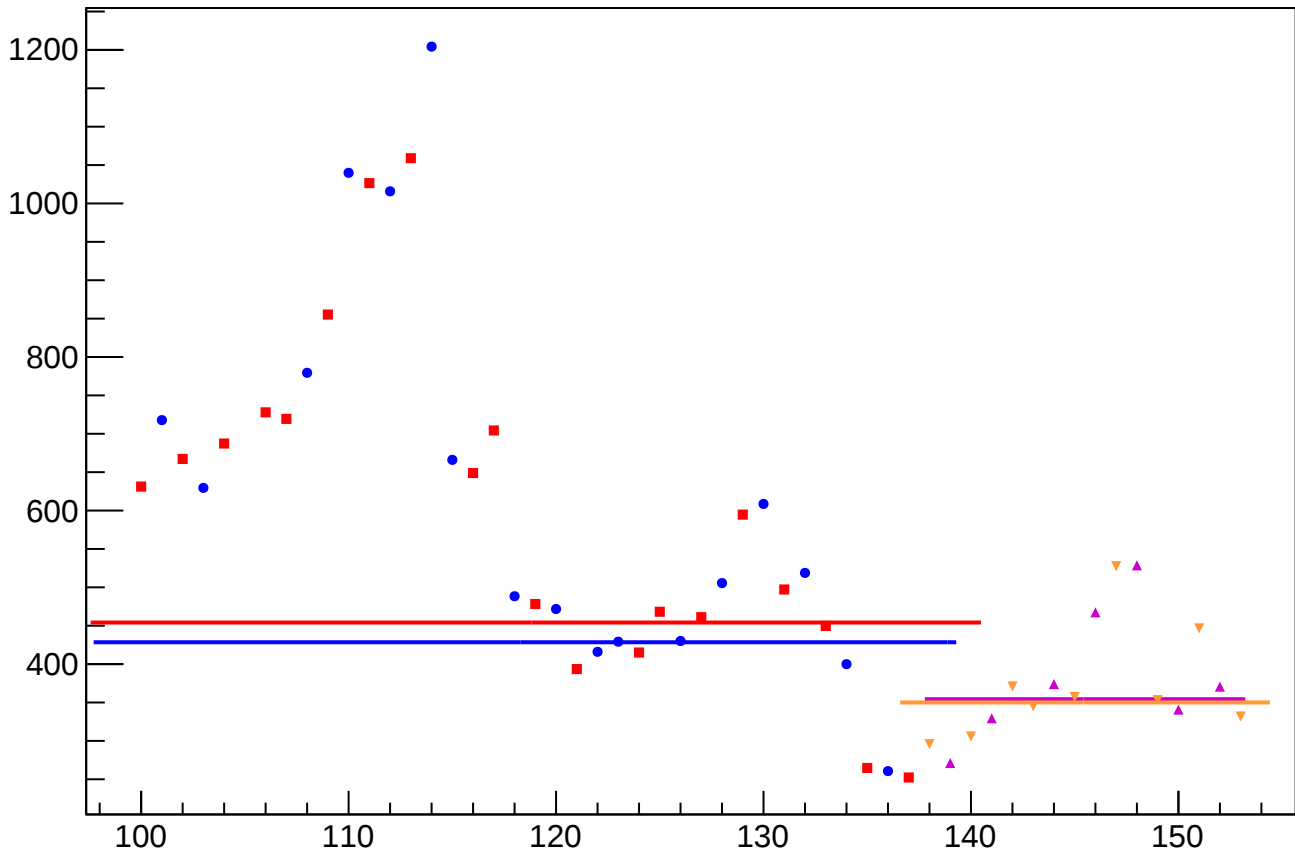
Right Out: -203.418+/-184.080 χ^2/NDF : 21.4/19

Left In: -76.441+/-151.508 χ^2/NDF : 15.8/6

-47.655+/-110.067 χ^2/NDF : 18.8/25

-127.720+/-116.981 χ^2/NDF : 37.5/26

asym_sam1_rms vs Slug



Right In: 428.460+/-0.127 χ^2/NDF : 2011453.8/16

Left Out: 350.041+/-0.098 χ^2/NDF :336561.1/8

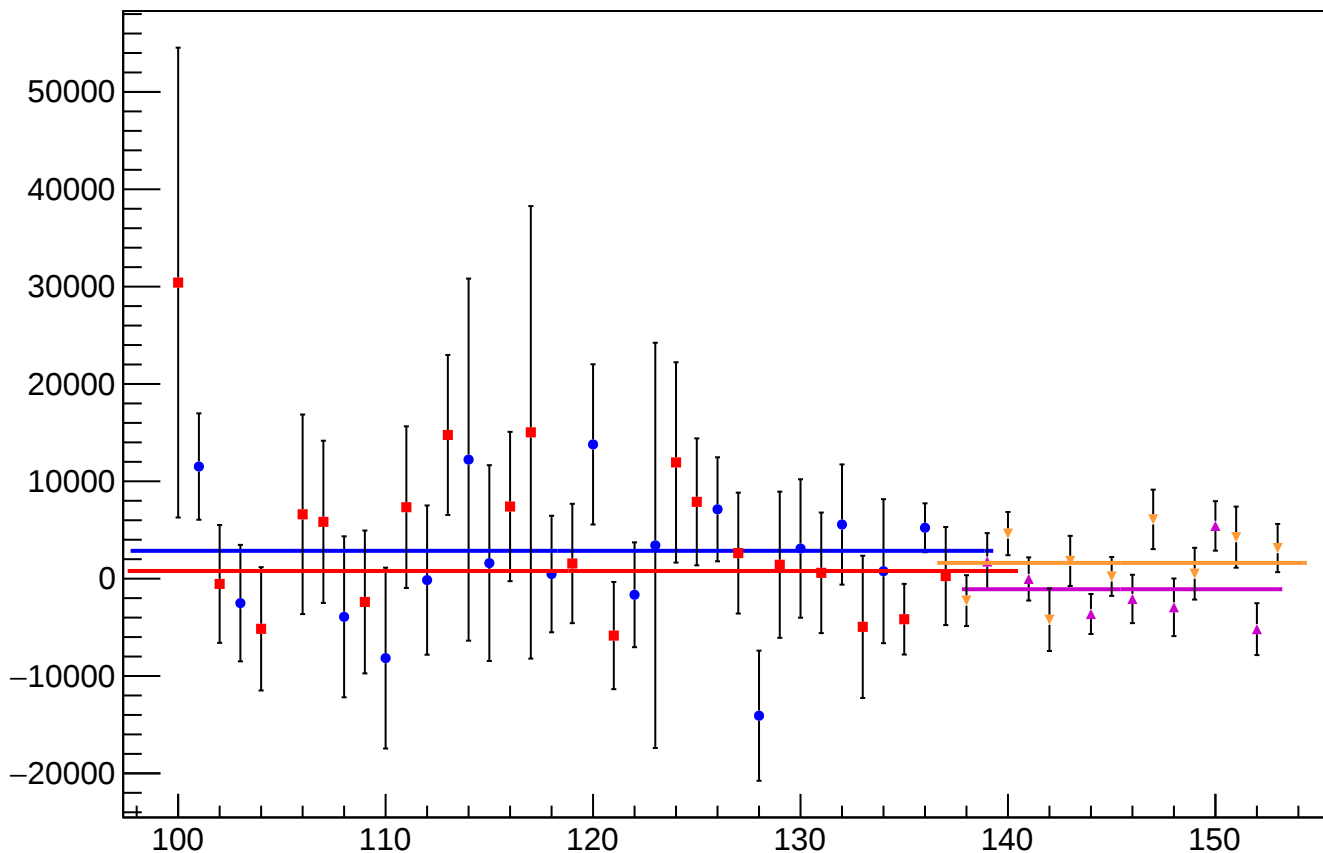
379.275+/-0.078 χ^2/NDF : 2585388.5/25

Right Out: 454.177+/-0.130 χ^2/NDF : 2040775.1/19

394.658+/-0.083 χ^2/NDF : 2810764.9/26

Left In: 354.339+/-0.107 χ^2/NDF :419261.0/6

asym_sam2_mean vs Slug



Right In: 2859.622 $\pm$ 1447.884 χ^2 /NDF: 16.7/16

Left Out: 1619.179 $\pm$ 857.039 χ^2 /NDF: 11.2/8

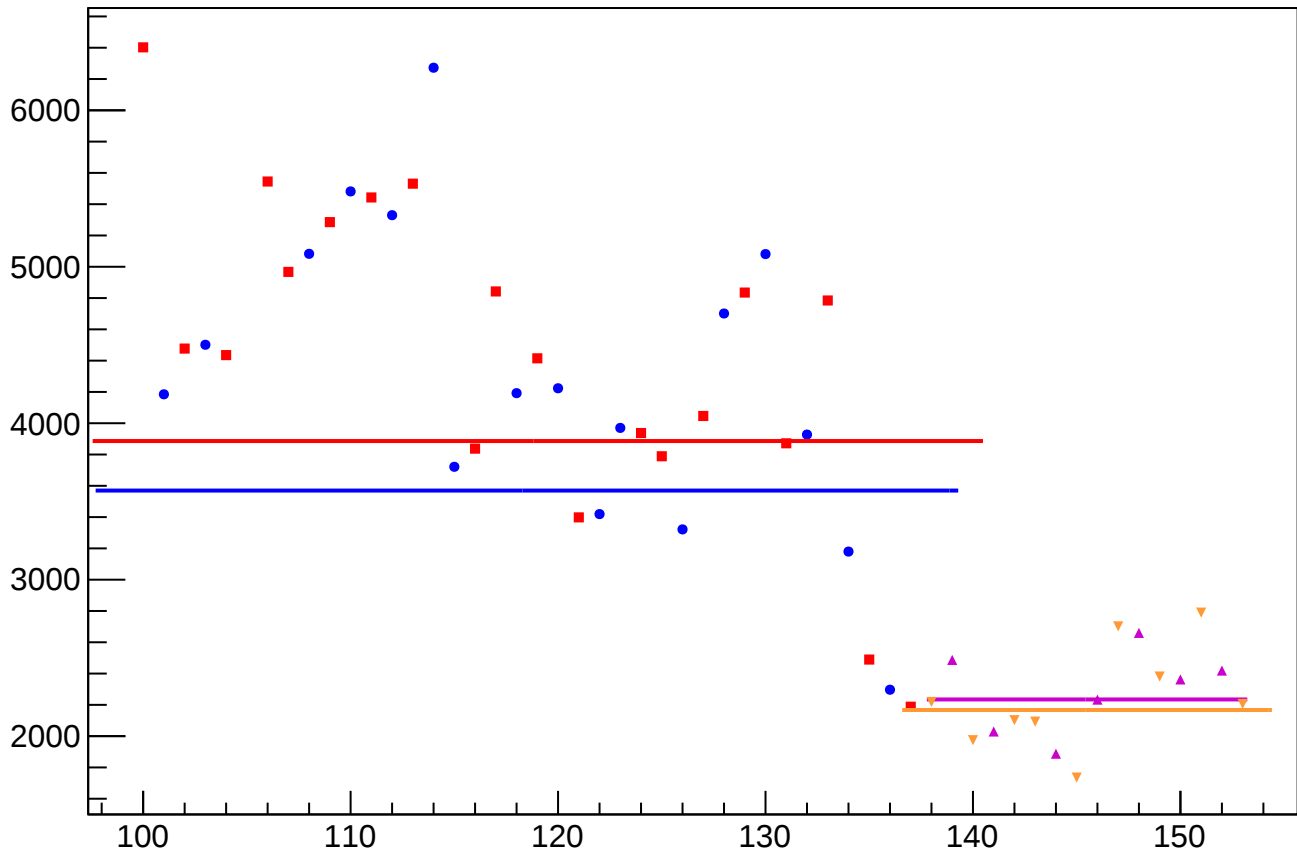
Right Out: 789.608 $\pm$ 1506.053 χ^2 /NDF: 14.4/19

Left In: -1084.782 $\pm$ 940.875 χ^2 /NDF: 12.2/6

1941.031 $\pm$ 737.519 χ^2 /NDF: 28.5/25

-558.596 $\pm$ 797.958 χ^2 /NDF: 27.7/26

asym_sam2_rms vs Slug



Right In: 3569.631+/-1.024 χ^2/NDF : 1087935.4/16

Left Out: 2167.093+/-0.606 χ^2/NDF : 265311.2/8

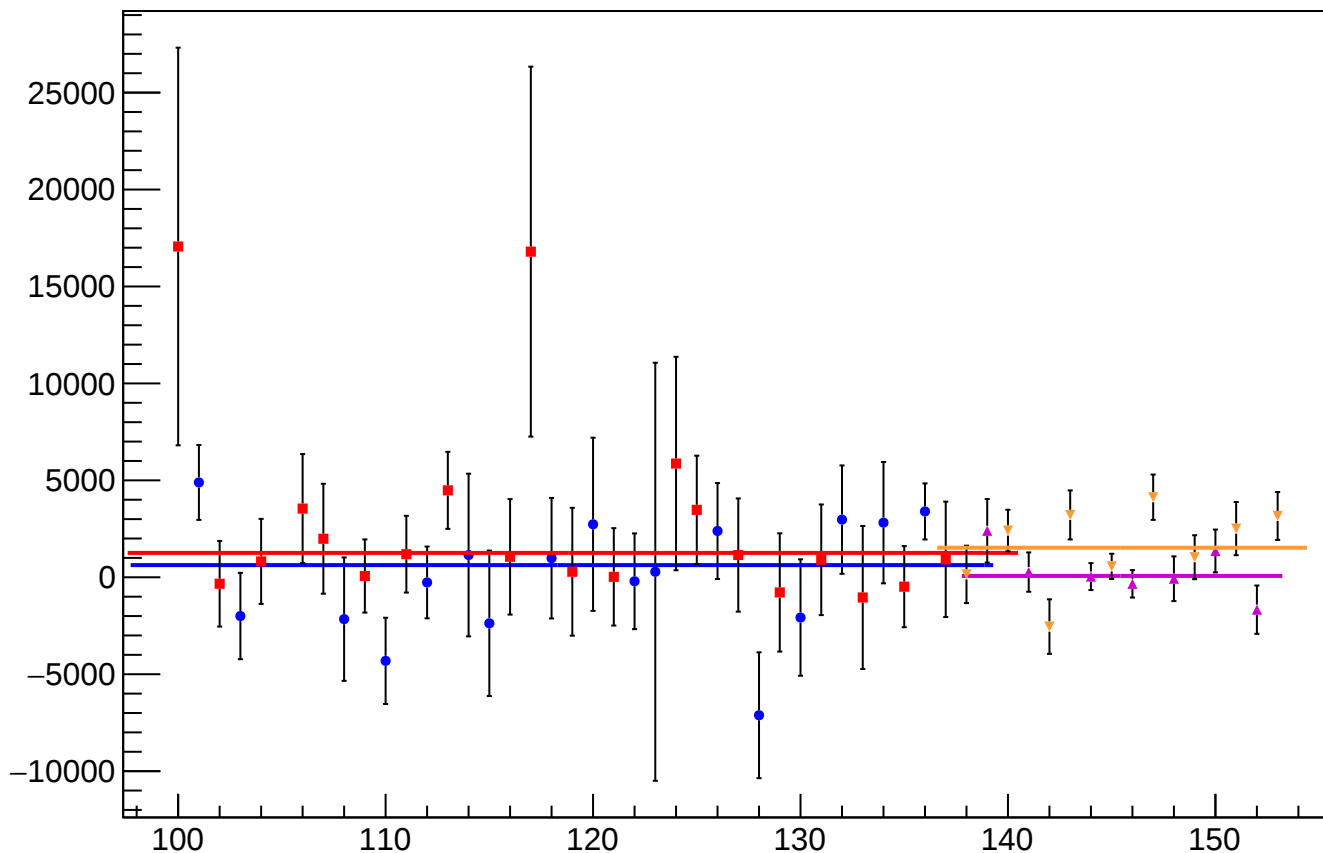
2531.003+/-0.522 χ^2/NDF : 2742999.9/25

Right Out: 3886.199+/-1.065 χ^2/NDF : 986485.7/19

2698.167+/-0.564 χ^2/NDF : 2861803.9/26

Left In: 2234.494+/-0.665 χ^2/NDF : 145062.7/6

asym_sam3_mean vs Slug



Right In: 627.655 ± 620.929 χ^2/NDF : 25.1/16

Left Out: 1523.780 ± 364.597 χ^2/NDF : 21.3/8

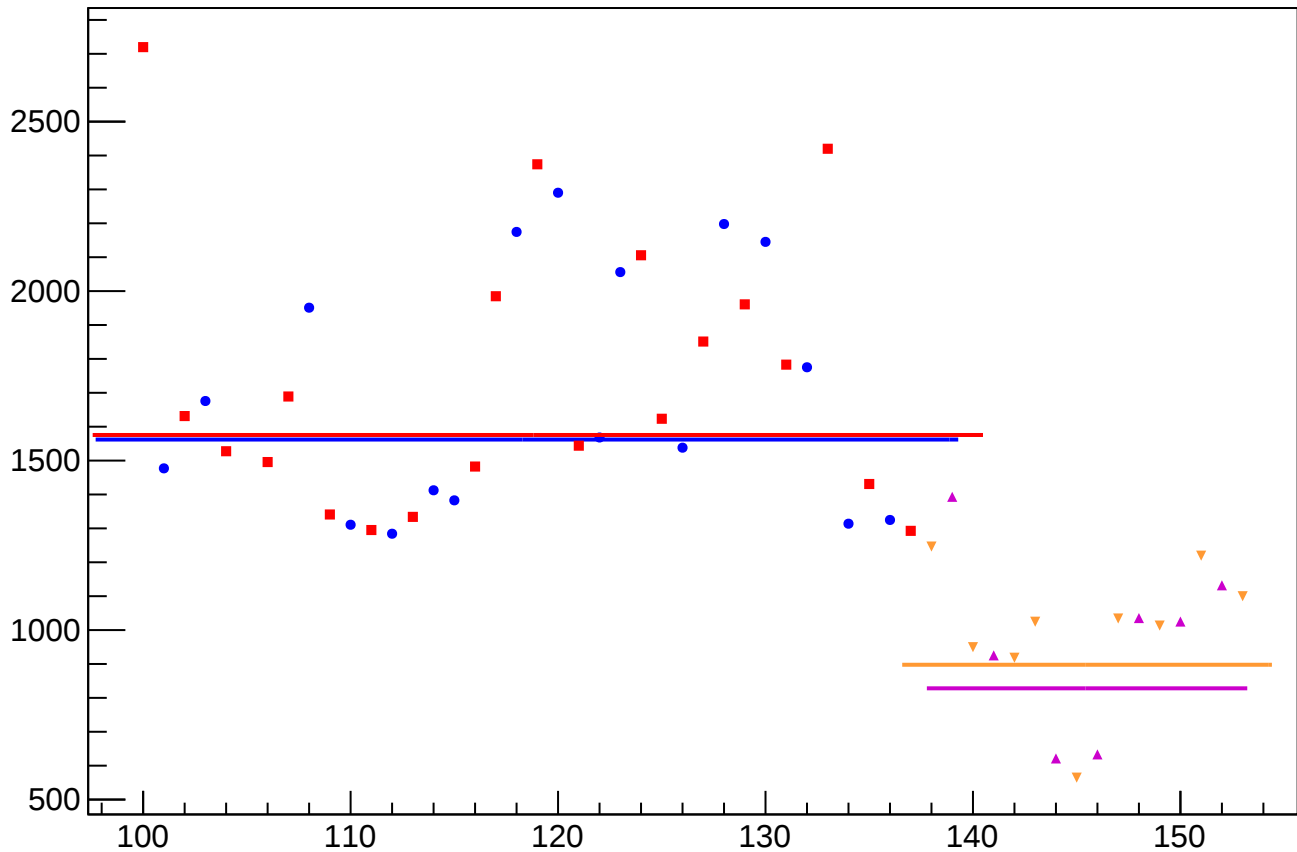
Right Out: 1257.467 ± 601.857 χ^2/NDF : 12.6/19

Left In: 70.199 ± 362.058 χ^2/NDF : 5.7/6

1294.028 ± 314.404 χ^2/NDF : 47.9/25

385.684 ± 310.248 χ^2/NDF : 21.1/26

asym_sam3_rms vs Slug



Right In: 1562.101 $\pm$ 0.439 χ^2 /NDF: 482088.3/16

Left Out: 897.692 $\pm$ 0.258 χ^2 /NDF: 872886.4/8

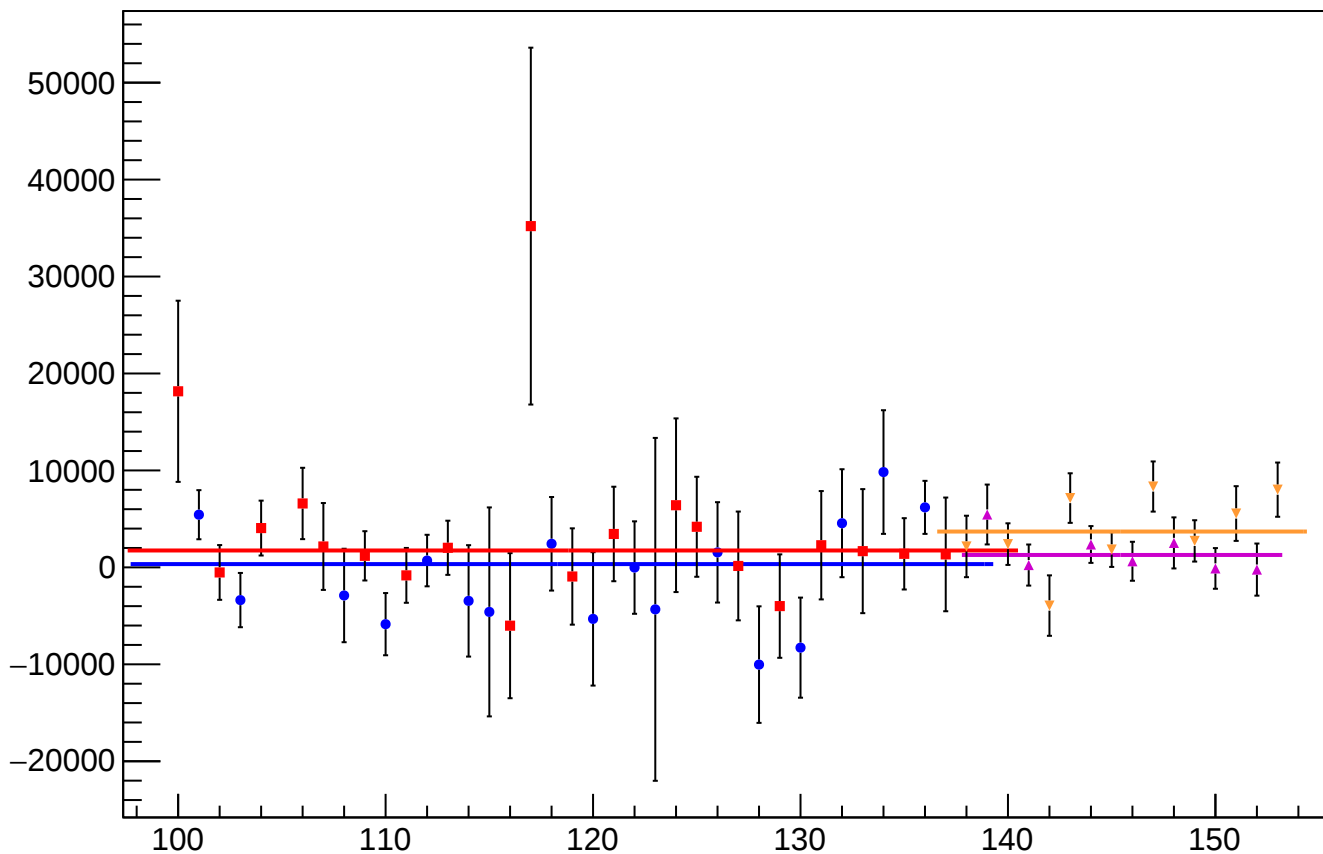
Right Out: 1575.541 $\pm$ 0.426 χ^2 /NDF: 467687.2/19

Left In: 828.152 $\pm$ 0.256 χ^2 /NDF: 831672.5/6

1068.036 $\pm$ 0.222 χ^2 /NDF: 3057783.2/25

1026.751 $\pm$ 0.219 χ^2 /NDF: 3563987.9/26

asym_sam4_mean vs Slug



Right In: 338.117 $\pm$ 995.842 χ^2 /NDF: 24.8/16

Left Out: 3696.004 $\pm$ 815.033 χ^2 /NDF: 15.7/8

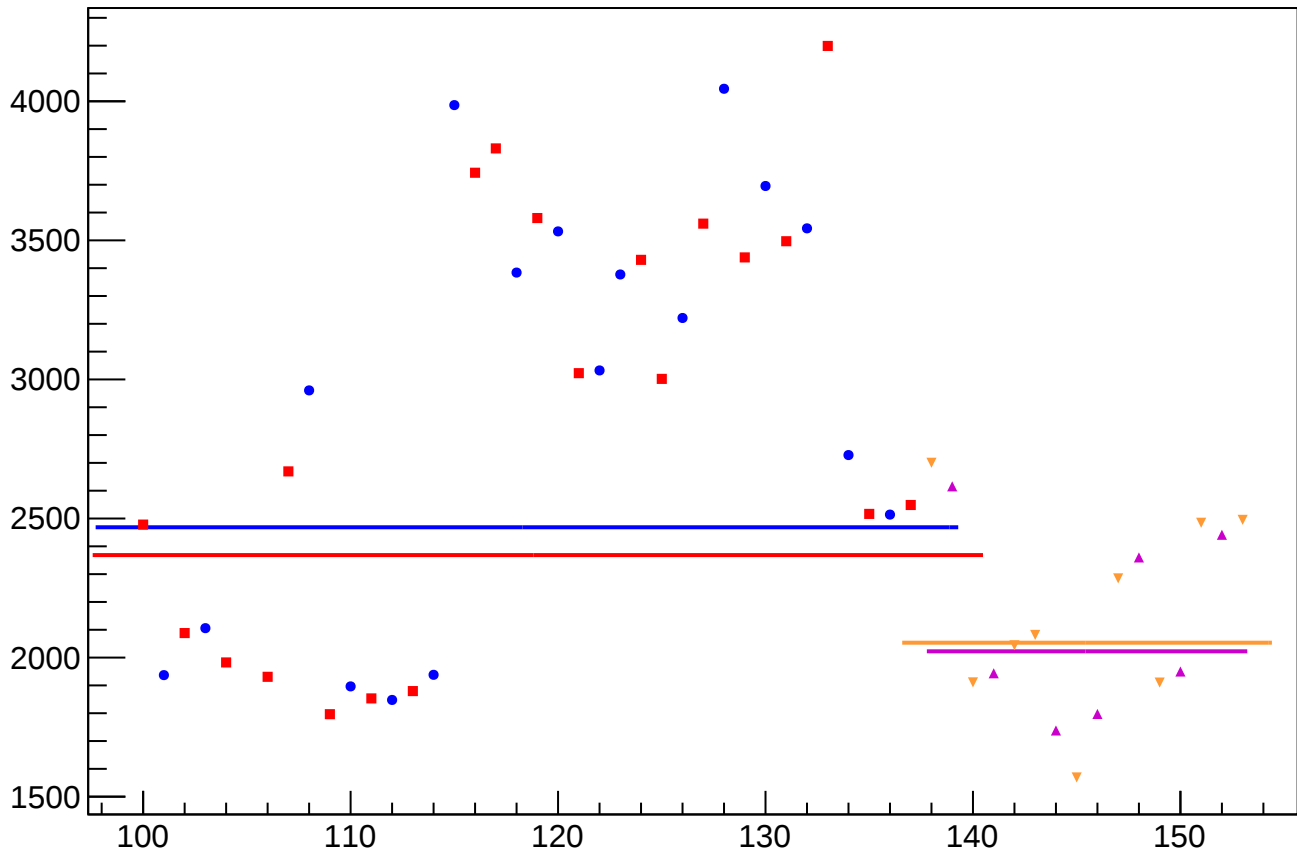
Right Out: 1742.470 $\pm$ 923.289 χ^2 /NDF: 13.6/19

Left In: 1280.082 $\pm$ 856.661 χ^2 /NDF: 3.5/6

2349.023 $\pm$ 630.722 χ^2 /NDF: 47.3/25

1493.992 $\pm$ 627.986 χ^2 /NDF: 17.2/26

asym_sam4_rms vs Slug



Right In: 2468.489+/-0.704 χ^2/NDF : 896153.6/16

Left Out: 2053.568+/-0.576 χ^2/NDF : 359574.3/8

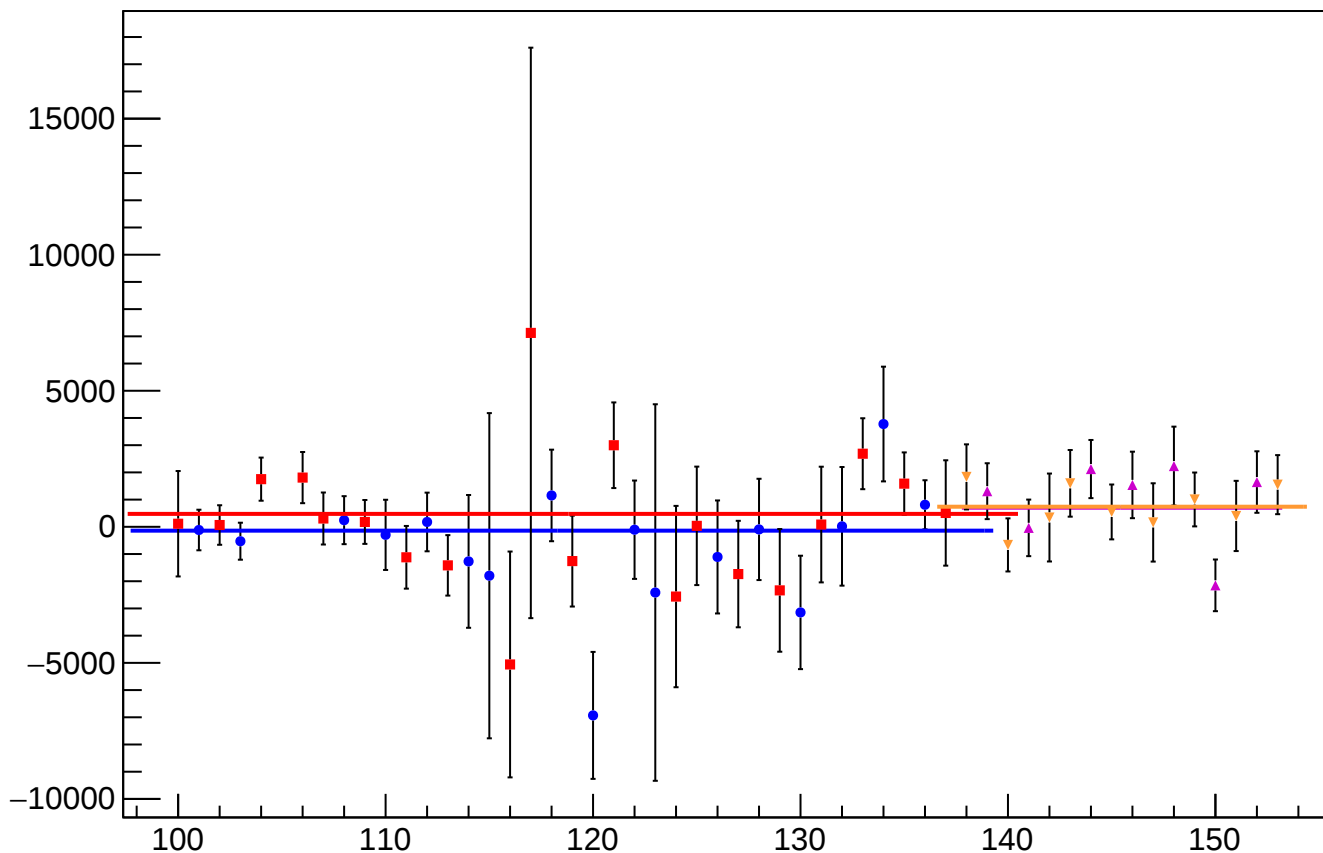
Right Out: 2368.521+/-0.653 χ^2/NDF : 1037811.8/19

Left In: 2022.574+/-0.606 χ^2/NDF : 230535.5/6

2220.009+/-0.446 χ^2/NDF : 1463652.6/25

2182.616+/-0.444 χ^2/NDF : 1419236.0/26

asym_sam5_mean vs Slug



Right In: -141.213+/-313.319 χ^2/NDF : 16.9/16

Left Out: 738.824+/-385.280 χ^2/NDF : 4.4/8

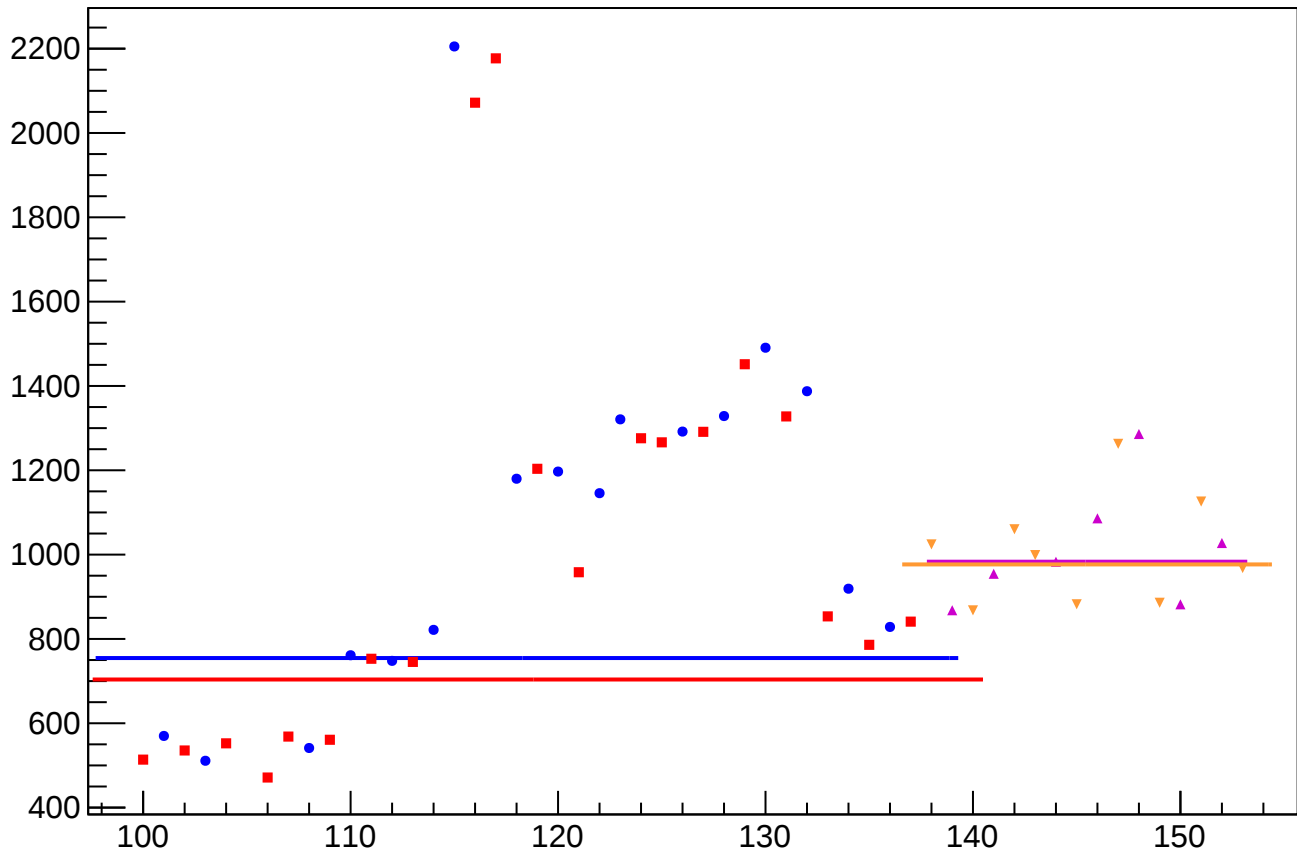
Right Out: 474.987+/-282.789 χ^2/NDF : 23.3/19

Left In: 701.713+/-415.684 χ^2/NDF : 13.9/6

209.106+/-243.085 χ^2/NDF : 24.4/25

546.720+/-233.813 χ^2/NDF : 37.5/26

asym_sam5_rms vs Slug



Right In: 754.684+/-0.222 χ^2/NDF : 1690621.2/16

Left Out: 976.738+/-0.272 χ^2/NDF : 174411.5/8

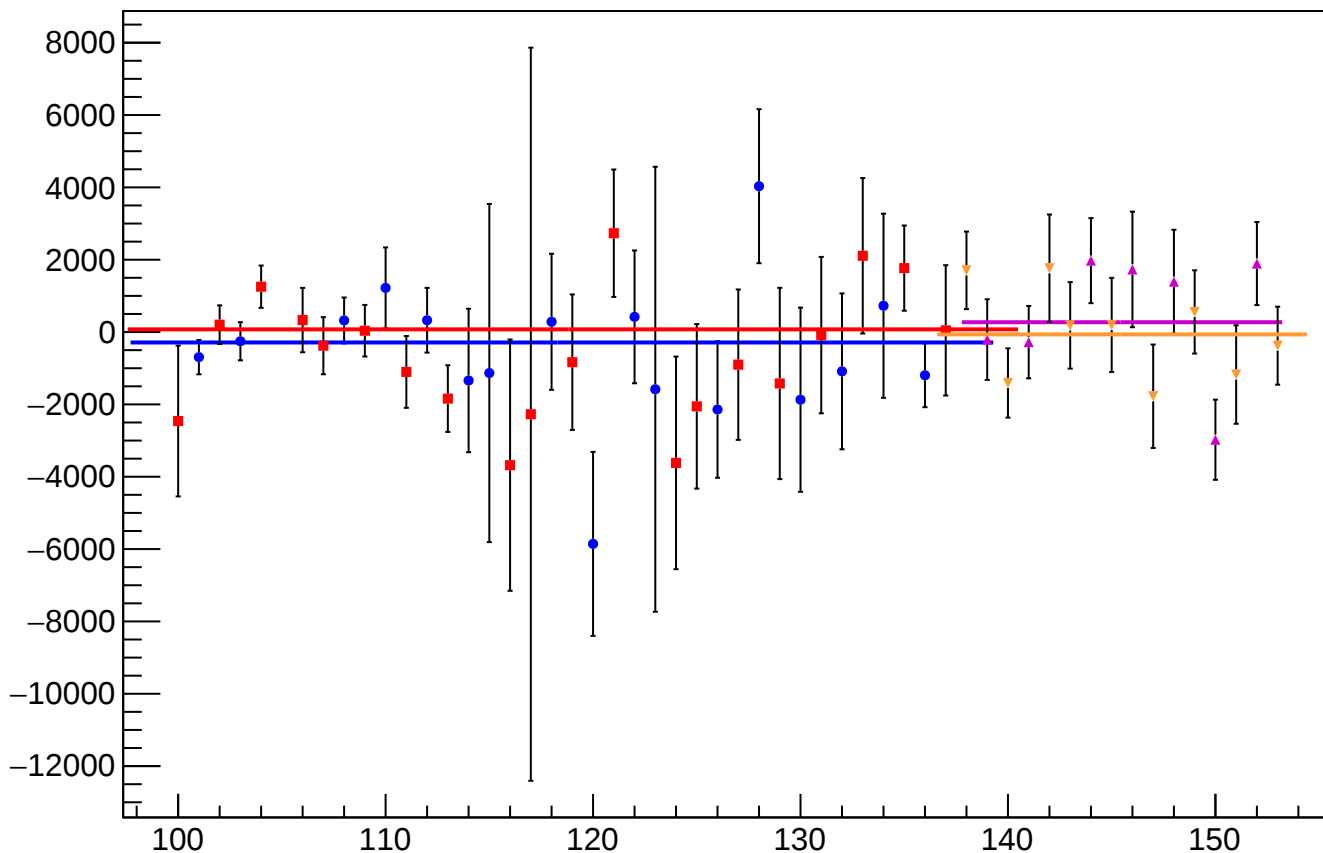
843.077+/-0.172 χ^2/NDF : 2264920.0/25

Right Out: 703.794+/-0.200 χ^2/NDF : 1731134.6/19

792.189+/-0.165 χ^2/NDF : 2502722.3/26

Left In: 983.186+/-0.294 χ^2/NDF : 153937.6/6

asym_sam6_mean vs Slug



Right In: -288.037 ± 250.436 χ^2/NDF : 16.2/16

Left Out: -64.645 ± 396.913 χ^2/NDF : 8.8/8

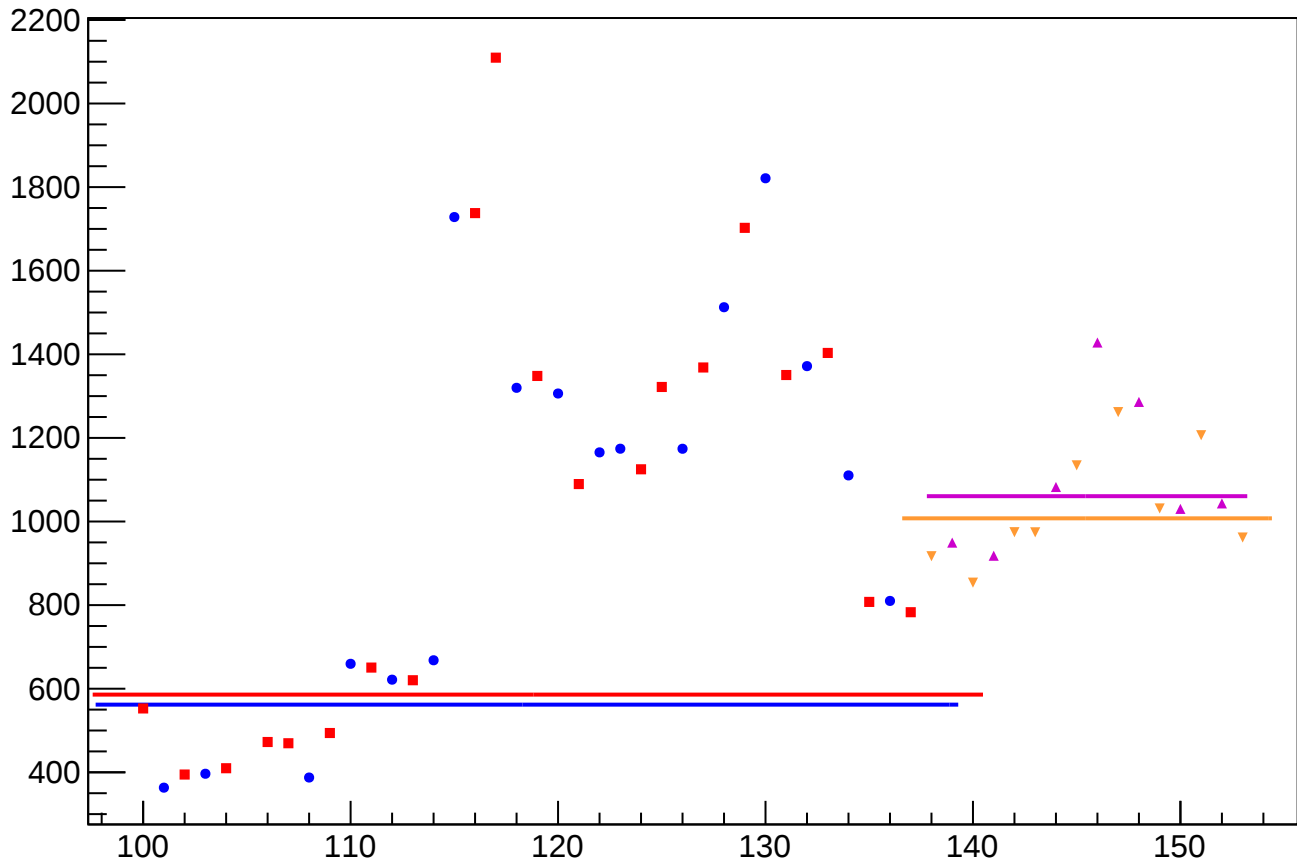
Right Out: 74.735 ± 246.011 χ^2/NDF : 21.4/19

Left In: 271.759 ± 448.202 χ^2/NDF : 14.6/6

-224.427 ± 211.800 χ^2/NDF : 25.2/25

120.350 ± 215.660 χ^2/NDF : 36.2/26

asym_sam6_rms vs Slug



Right In: 561.894+/-0.177 χ^2/NDF : 3216651.3/16

Left Out: 1007.595+/-0.281 χ^2/NDF : 197776.5/8

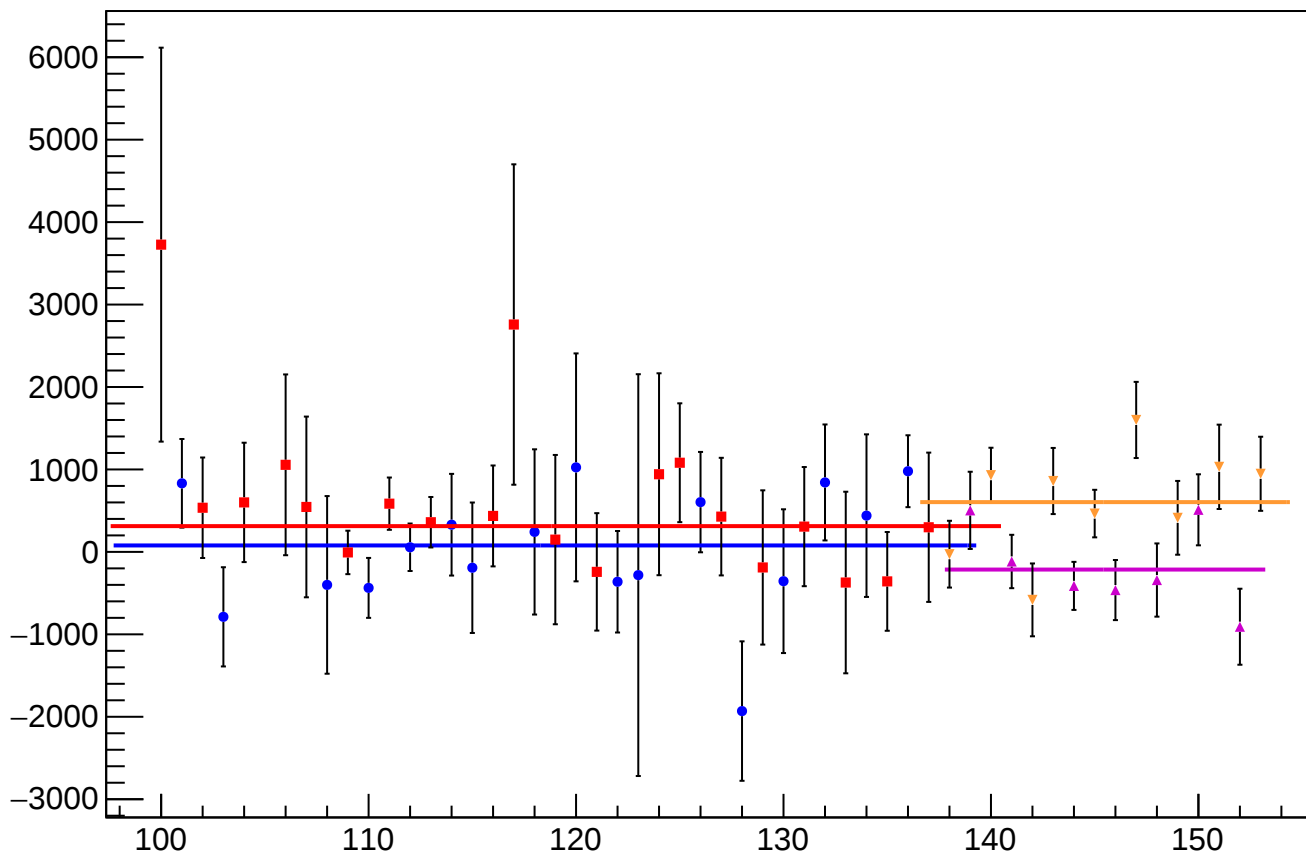
688.806+/-0.150 χ^2/NDF : 5218222.1/25

Right Out: 585.891+/-0.174 χ^2/NDF : 2869692.7/19

695.794+/-0.152 χ^2/NDF : 4812138.7/26

Left In: 1060.590+/-0.317 χ^2/NDF : 218393.9/6

asym_sam7_mean vs Slug



Right In: 78.184+/-142.869 χ^2/NDF : 19.8/16

Left Out: 603.791+/-132.514 χ^2/NDF : 17.4/8

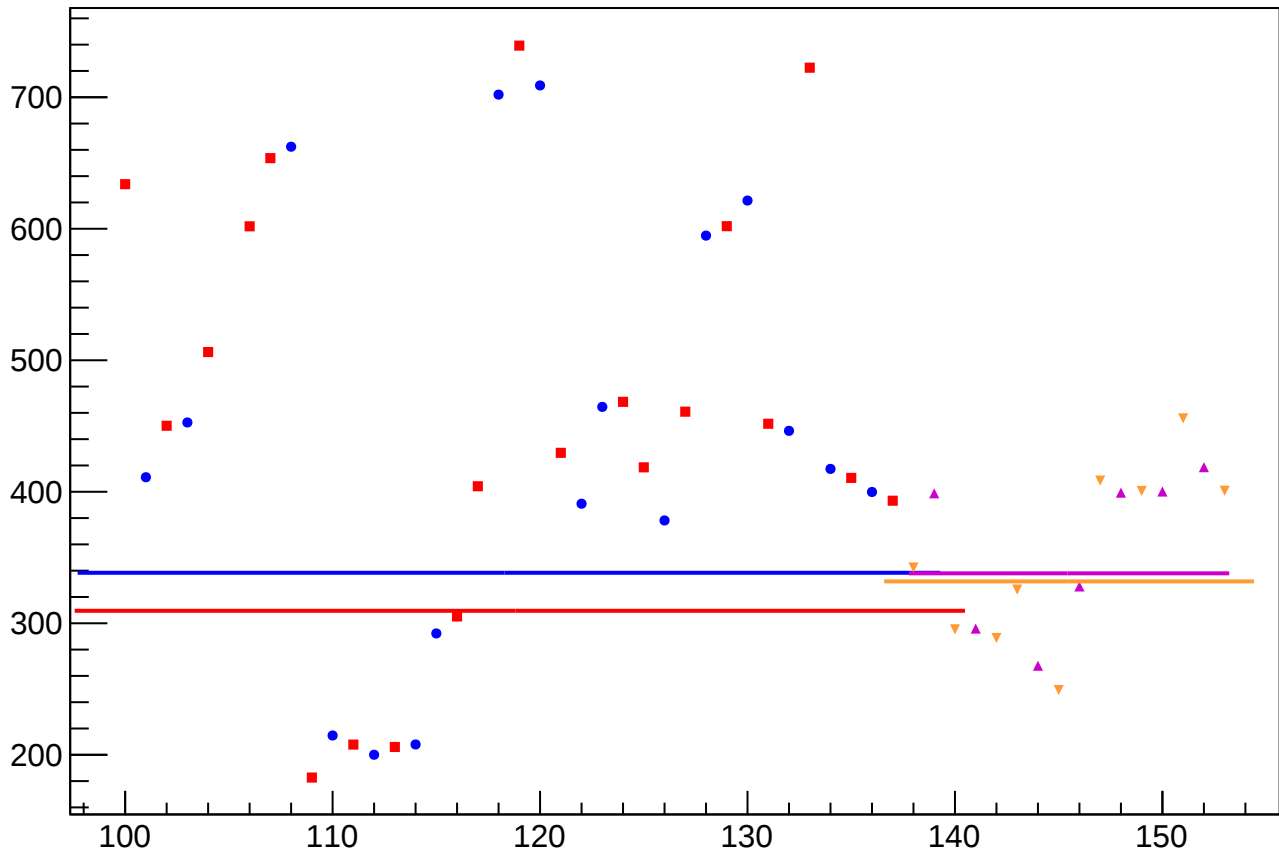
Right Out: 312.536+/-129.362 χ^2/NDF : 10.7/19

Left In: -214.304+/-143.475 χ^2/NDF : 8.5/6

360.725+/-97.156 χ^2/NDF : 44.4/25

76.296+/-96.076 χ^2/NDF : 26.7/26

asym_sam7_rms vs Slug



Right In: 338.408 $\pm$ 0.101 χ^2 /NDF: 2009287.1/16

Left Out: 331.852 $\pm$ 0.094 χ^2 /NDF:475808.6/8

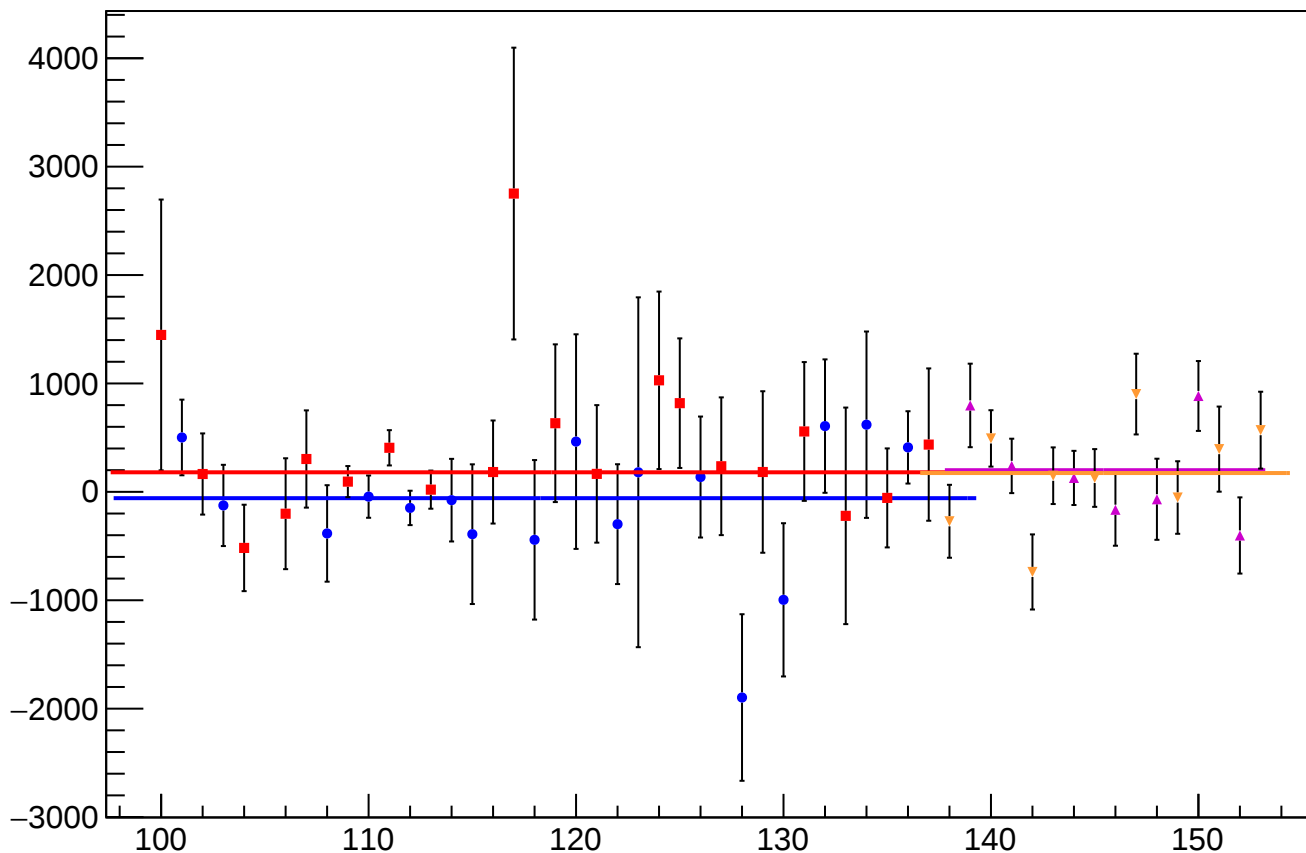
Right Out: 309.503 $\pm$ 0.091 χ^2 /NDF: 2738236.3/19

Left In: 337.982 $\pm$ 0.101 χ^2 /NDF:326523.5/6

334.884 $\pm$ 0.069 χ^2 /NDF: 2487359.1/25

322.273 $\pm$ 0.068 χ^2 /NDF: 3108226.8/26

asym_sam8_mean vs Slug



Right In: -58.299 ± 90.484 χ^2/NDF : 15.9/16

Left Out: 173.567 ± 104.671 χ^2/NDF : 16.1/8

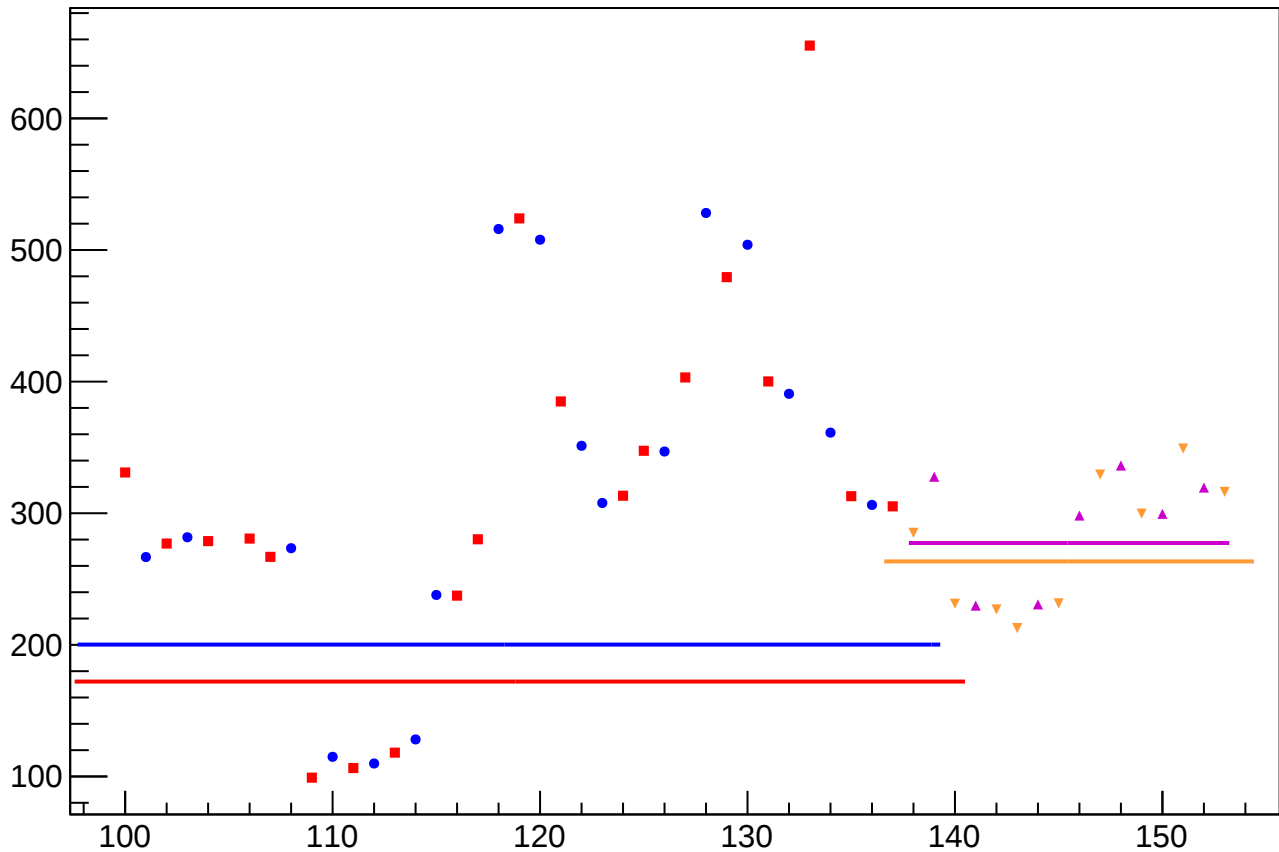
Right Out: 180.354 ± 76.795 χ^2/NDF : 15.0/19

Left In: 199.755 ± 117.377 χ^2/NDF : 11.7/6

40.867 ± 68.453 χ^2/NDF : 34.8/25

186.170 ± 64.263 χ^2/NDF : 26.7/26

asym_sam8_rms vs Slug



Right In: 200.209+/-0.064 χ^2/NDF : 3387197.7/16

Left Out: 263.391+/-0.074 χ^2/NDF :391032.1/8

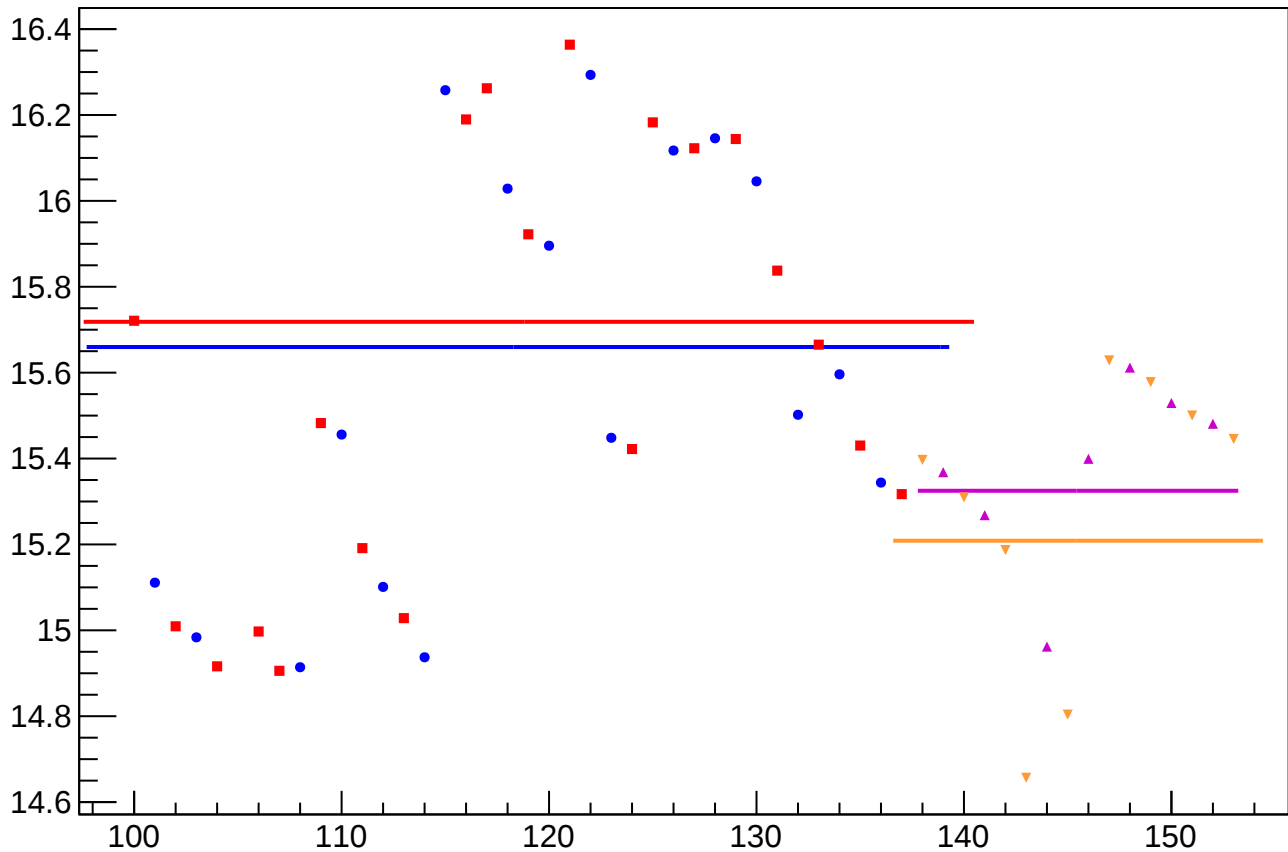
227.231+/-0.048 χ^2/NDF : 4195293.1/25

Right Out: 172.110+/-0.054 χ^2/NDF : 4106869.2/19

203.670+/-0.045 χ^2/NDF : 5505152.4/26

Left In: 277.399+/-0.083 χ^2/NDF :271392.5/6

yield_sam1_mean vs Slug



Right In: 15.660 $\pm$ 0.000 χ^2 /NDF: 5782644553.5/16

Left Out: 15.209 $\pm$ 0.000 χ^2 /NDF: 5990559061.7/8

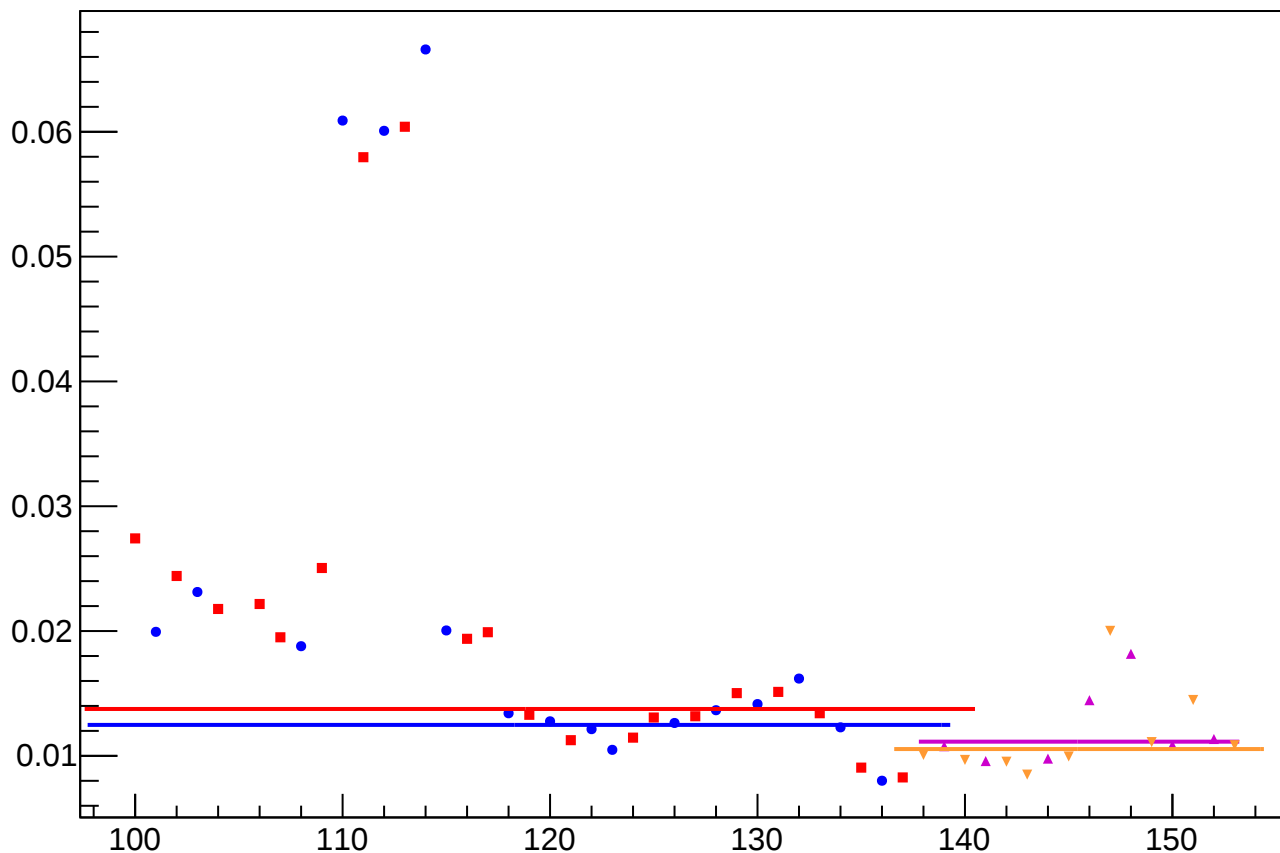
15.382 $\pm$ 0.000 χ^2 /NDF: 15924450793.9/25

Right Out: 15.718 $\pm$ 0.000 χ^2 /NDF: 5490626945.9/19

15.485 $\pm$ 0.000 χ^2 /NDF: 9968095324.8/26

Left In: 15.325 $\pm$ 0.000 χ^2 /NDF: 1816946430.2/6

yield_sam1_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2152911.4/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:549059.3/8

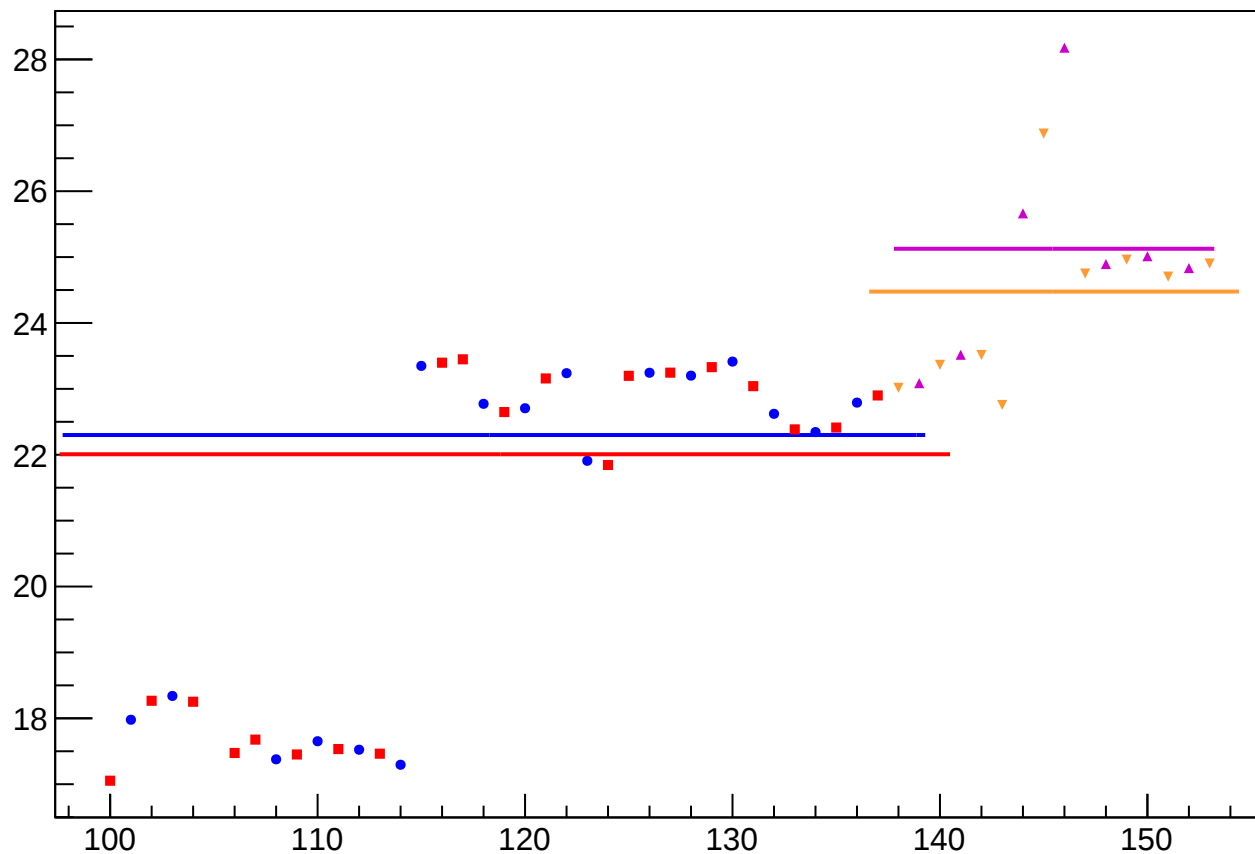
Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2084935.7/19

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:382276.3/6

0.011 $\pm$ 0.000 χ^2 /NDF: 2854706.2/25

0.012 $\pm$ 0.000 χ^2 /NDF: 2703049.7/26

yield_sam2_mean vs Slug



Right In: 22.300+/-0.000 χ^2/NDF : 938398636.8/16

Left Out: 24.476+/-0.000 χ^2/NDF : 820362386.0/8

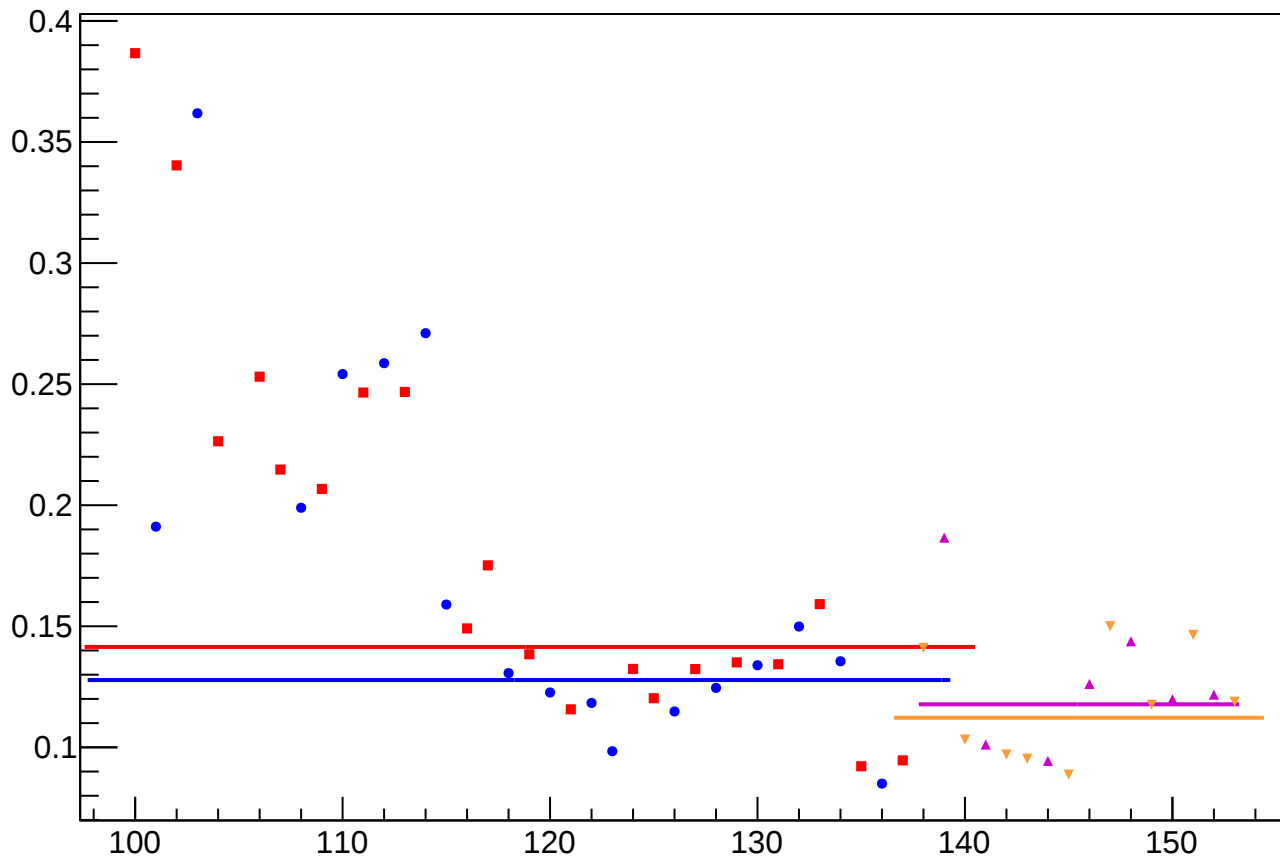
Right Out: 22.007+/-0.000 χ^2/NDF : 1068683102.9/19

Left In: 25.126+/-0.000 χ^2/NDF : 693897430.6/6

23.565+/-0.000 χ^2/NDF : 2611933337.3/25

23.742+/-0.000 χ^2/NDF : 3261105553.8/26

yield_sam2_rms vs Slug



Right In: 0.128+/-0.000 χ^2/NDF : 1492109.7/16

Left Out: 0.112+/-0.000 χ^2/NDF : 376750.6/8

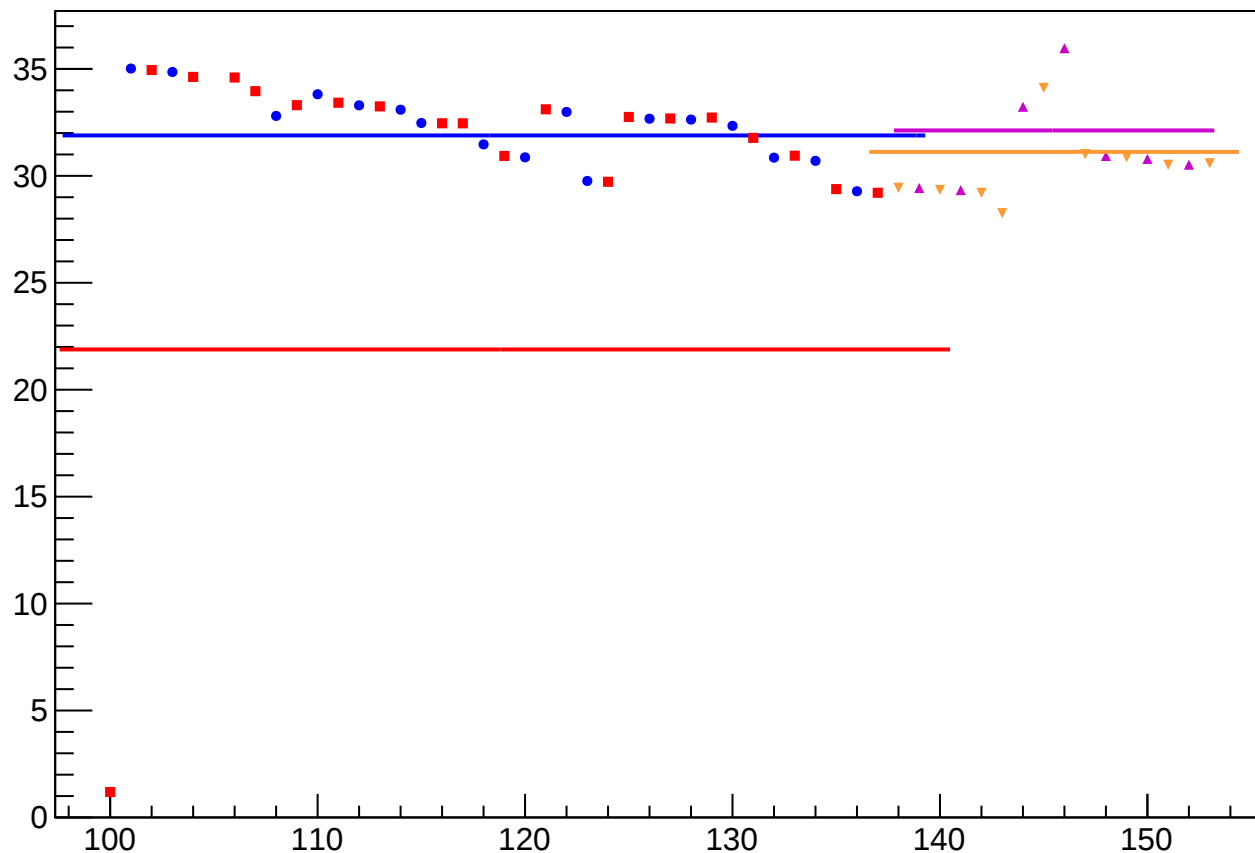
Right Out: 0.141+/-0.000 χ^2/NDF : 1452162.4/19

Left In: 0.118+/-0.000 χ^2/NDF : 376796.5/6

0.119+/-0.000 χ^2/NDF : 1956204.9/25

0.128+/-0.000 χ^2/NDF : 2001965.7/26

yield_sam3_mean vs Slug



Right In: 31.889 ± 0.000 χ^2/NDF : 1930403776.3/16

Left Out: 31.121 ± 0.000 χ^2/NDF : 4224791420.2/8

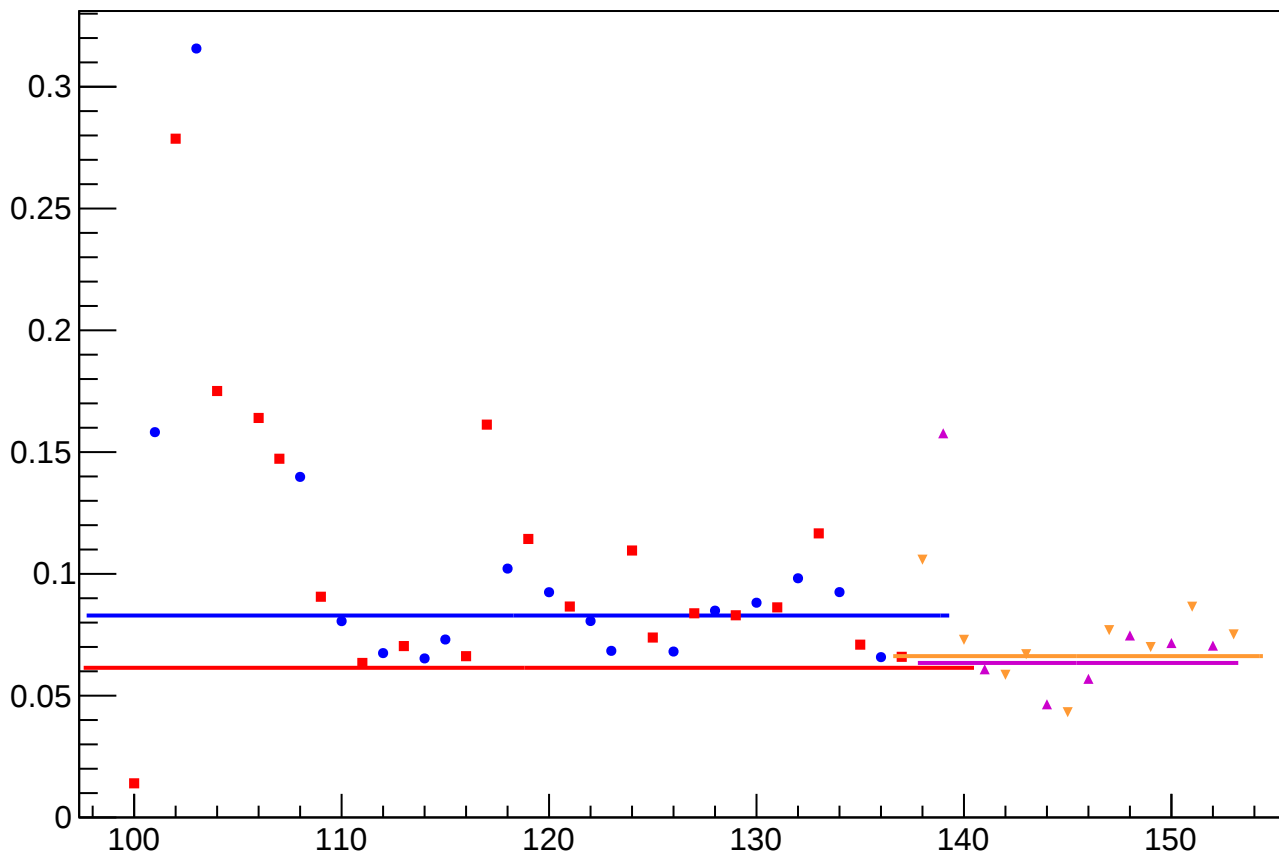
Right Out: 21.883 ± 0.000 χ^2/NDF : 230247118310.5/19

Left In: 32.123 ± 0.000 χ^2/NDF : 5212040147.8/6

31.429 ± 0.000 χ^2/NDF : 6407496307.7/25

26.872 ± 0.000 χ^2/NDF : 289917262687.4/26

yield_sam3_rms vs Slug



Right In: 0.083+/-0.000 χ^2/NDF : 1164452.3/16

Left Out: 0.066+/-0.000 χ^2/NDF : 602415.7/8

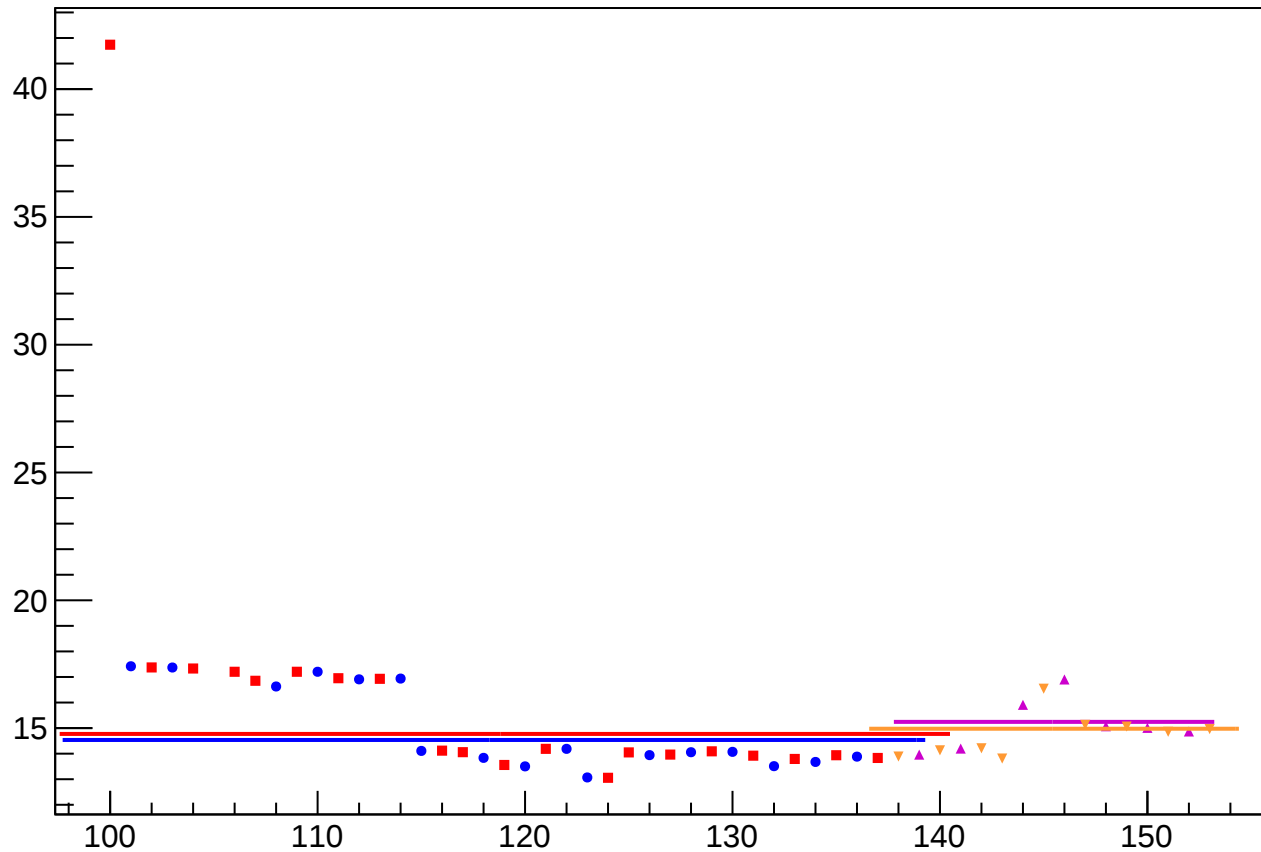
Right Out: 0.061+/-0.000 χ^2/NDF : 3635656.2/19

Left In: 0.063+/-0.000 χ^2/NDF : 743219.4/6

0.073+/-0.000 χ^2/NDF : 2004491.1/25

0.062+/-0.000 χ^2/NDF : 4382991.1/26

yield_sam4_mean vs Slug



Right In: 14.536+/-0.000 χ^2/NDF : 1470499792.7/16

Left Out: 14.975+/-0.000 χ^2/NDF : 944712998.4/8

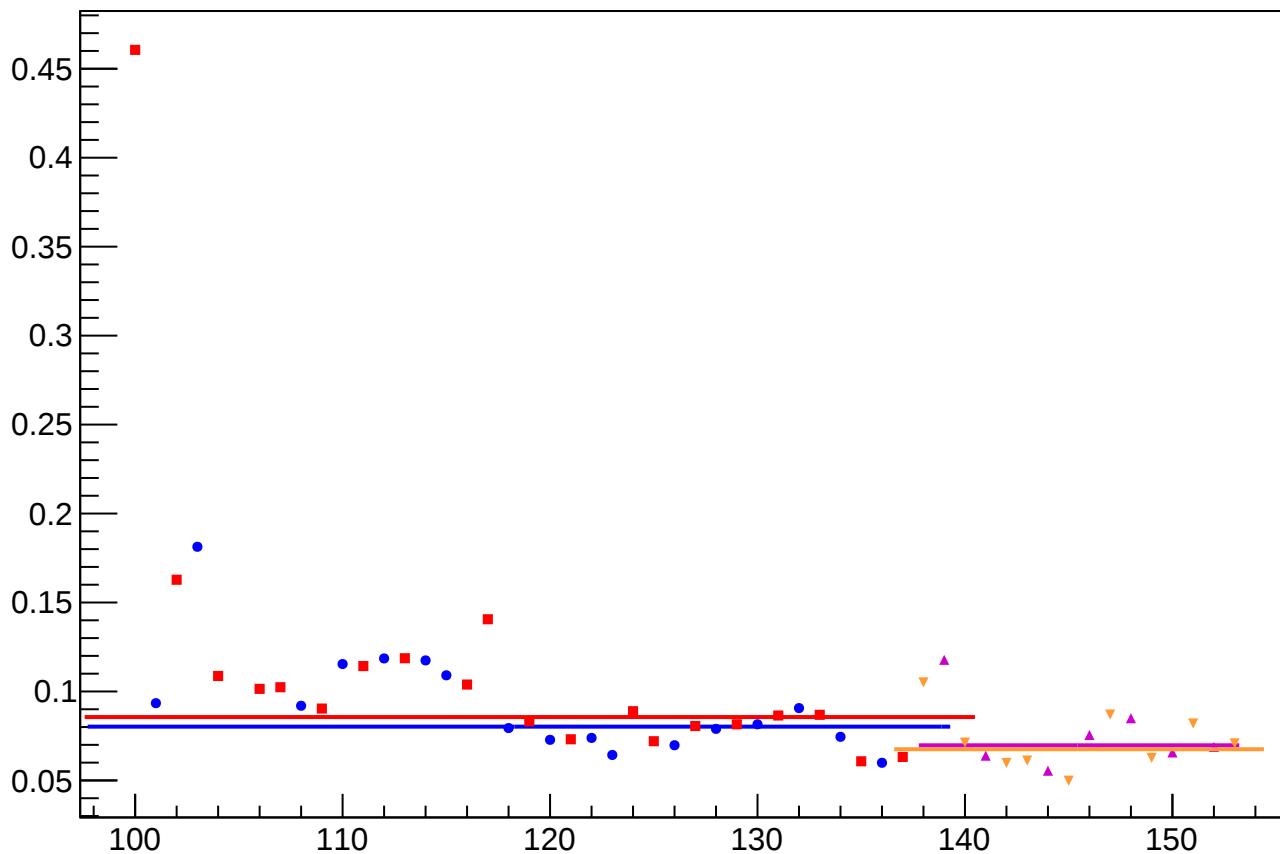
14.786+/-0.000 χ^2/NDF : 2509747715.8/25

Right Out: 14.772+/-0.000 χ^2/NDF : 1887789052.4/19

15.028+/-0.000 χ^2/NDF : 2689726571.5/26

Left In: 15.244+/-0.000 χ^2/NDF : 704572483.7/6

yield_sam4_rms vs Slug



Right In: 0.080+/-0.000 χ^2/NDF : 778734.5/16

Left Out: 0.068+/-0.000 χ^2/NDF : 459533.7/8

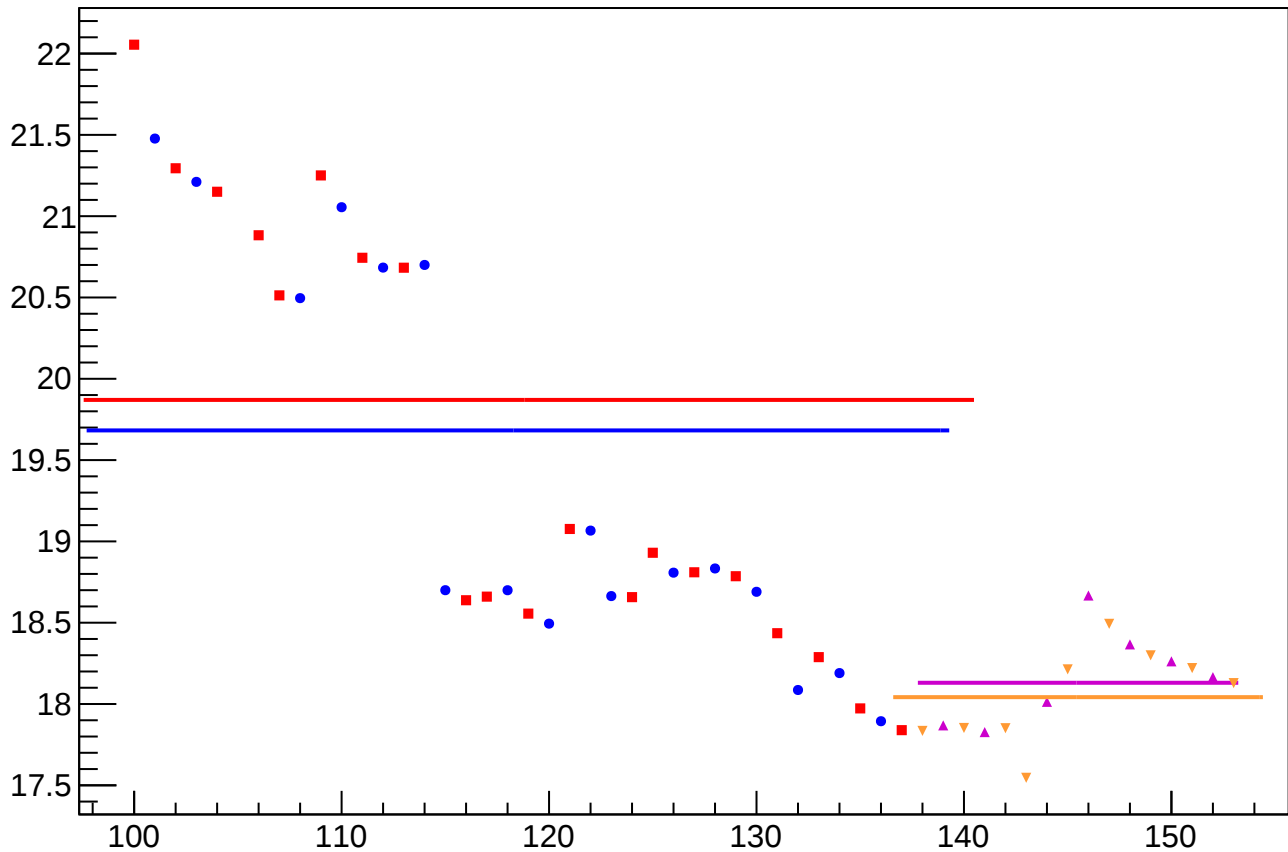
Right Out: 0.086+/-0.000 χ^2/NDF : 750289.2/19

Left In: 0.070+/-0.000 χ^2/NDF : 390689.4/6

0.073+/-0.000 χ^2/NDF : 1395800.6/25

0.077+/-0.000 χ^2/NDF : 1361785.5/26

yield_sam5_mean vs Slug



Right In: 19.683+/-0.000 χ^2/NDF : 12276801857.2/16

Left Out: 18.042+/-0.000 χ^2/NDF : 397128582.6/8

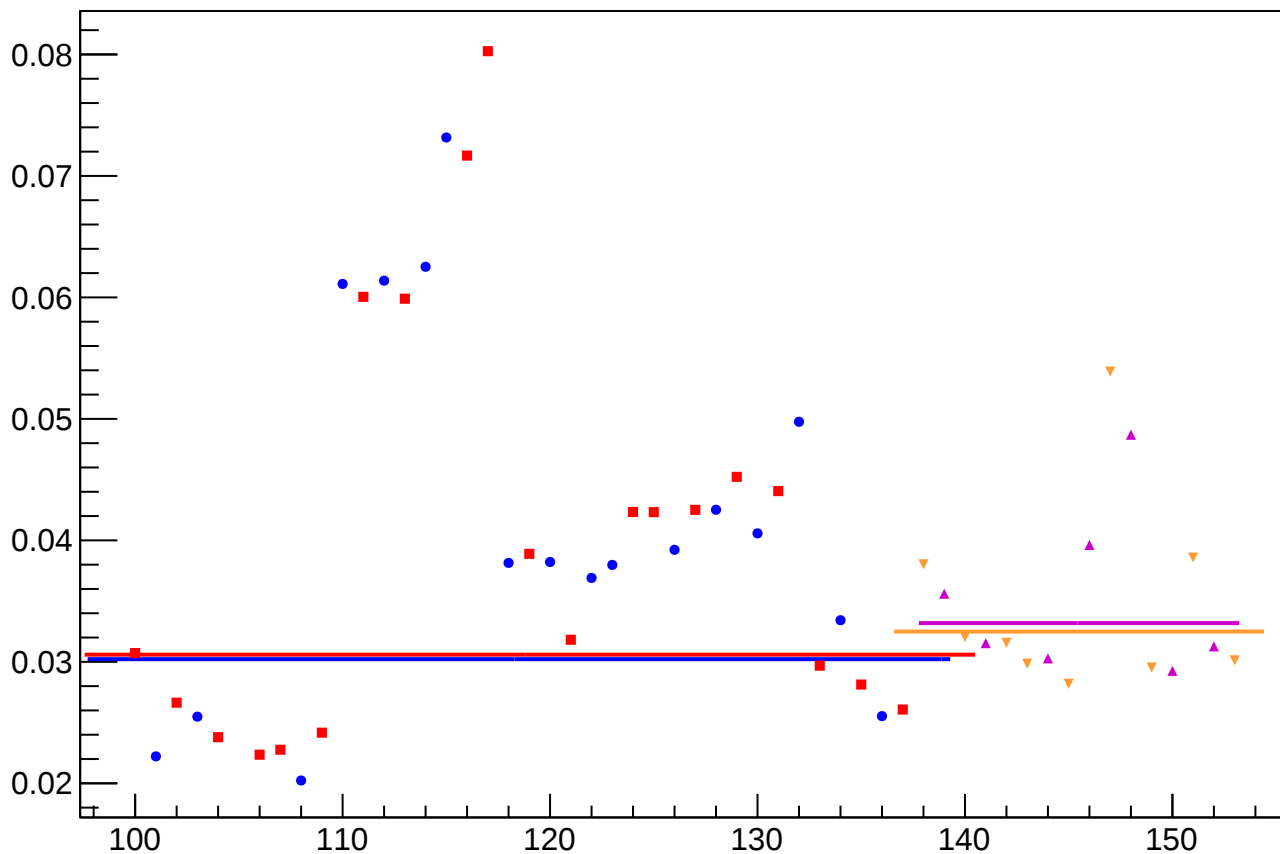
18.889+/-0.000 χ^2/NDF : 20637262385.0/25

Right Out: 19.870+/-0.000 χ^2/NDF : 11333011670.6/19

19.114+/-0.000 χ^2/NDF : 19951920410.9/26

Left In: 18.131+/-0.000 χ^2/NDF : 298091418.6/6

yield_sam5_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 1324518.2/16

Left Out: 0.032+/-0.000 χ^2/NDF : 372454.5/8

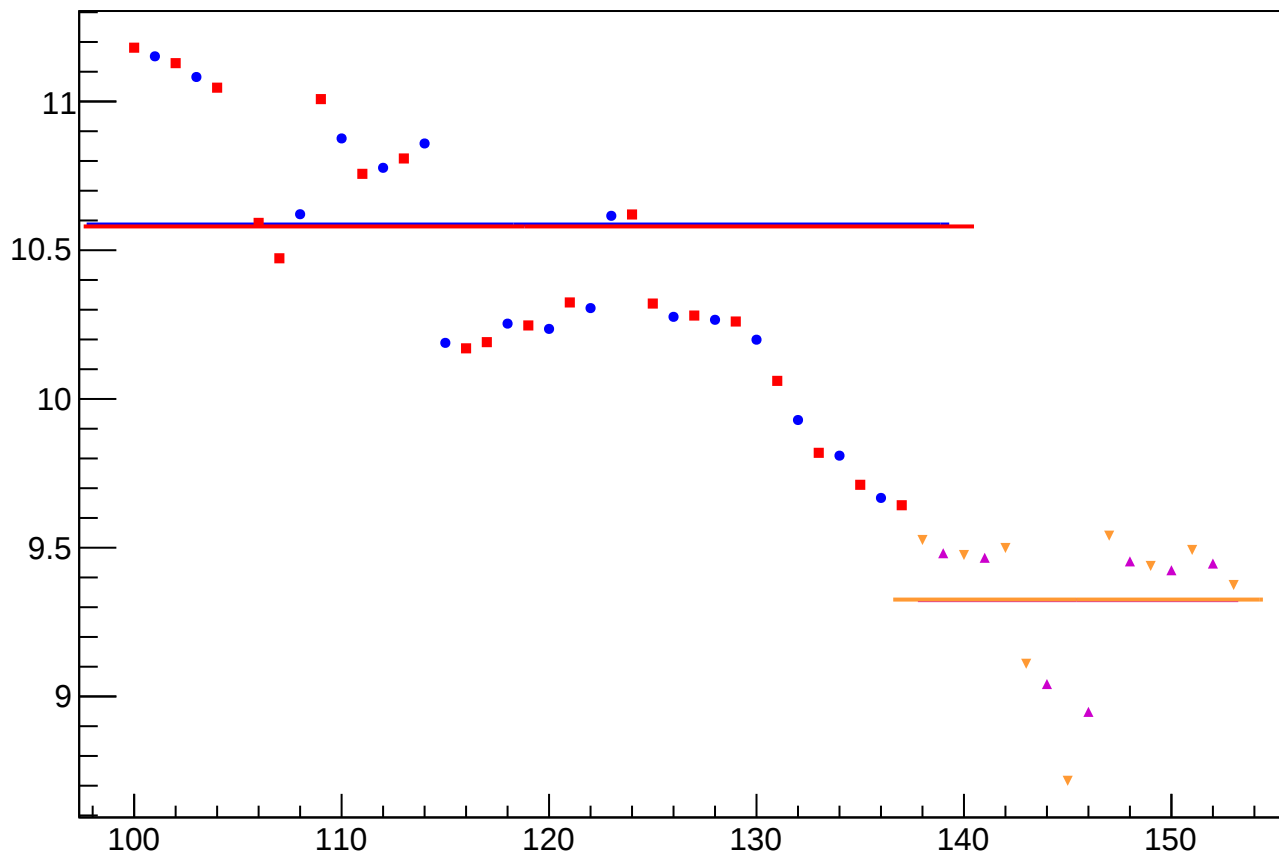
Right Out: 0.031+/-0.000 χ^2/NDF : 1219224.0/19

Left In: 0.033+/-0.000 χ^2/NDF : 256591.9/6

0.031+/-0.000 χ^2/NDF : 1727530.6/25

0.032+/-0.000 χ^2/NDF : 1512864.0/26

yield_sam6_mean vs Slug



Right In: 10.586+/-0.000 χ^2/NDF : 7420104563.4/16

Left Out: 9.326+/-0.000 χ^2/NDF :1034465895.7/8

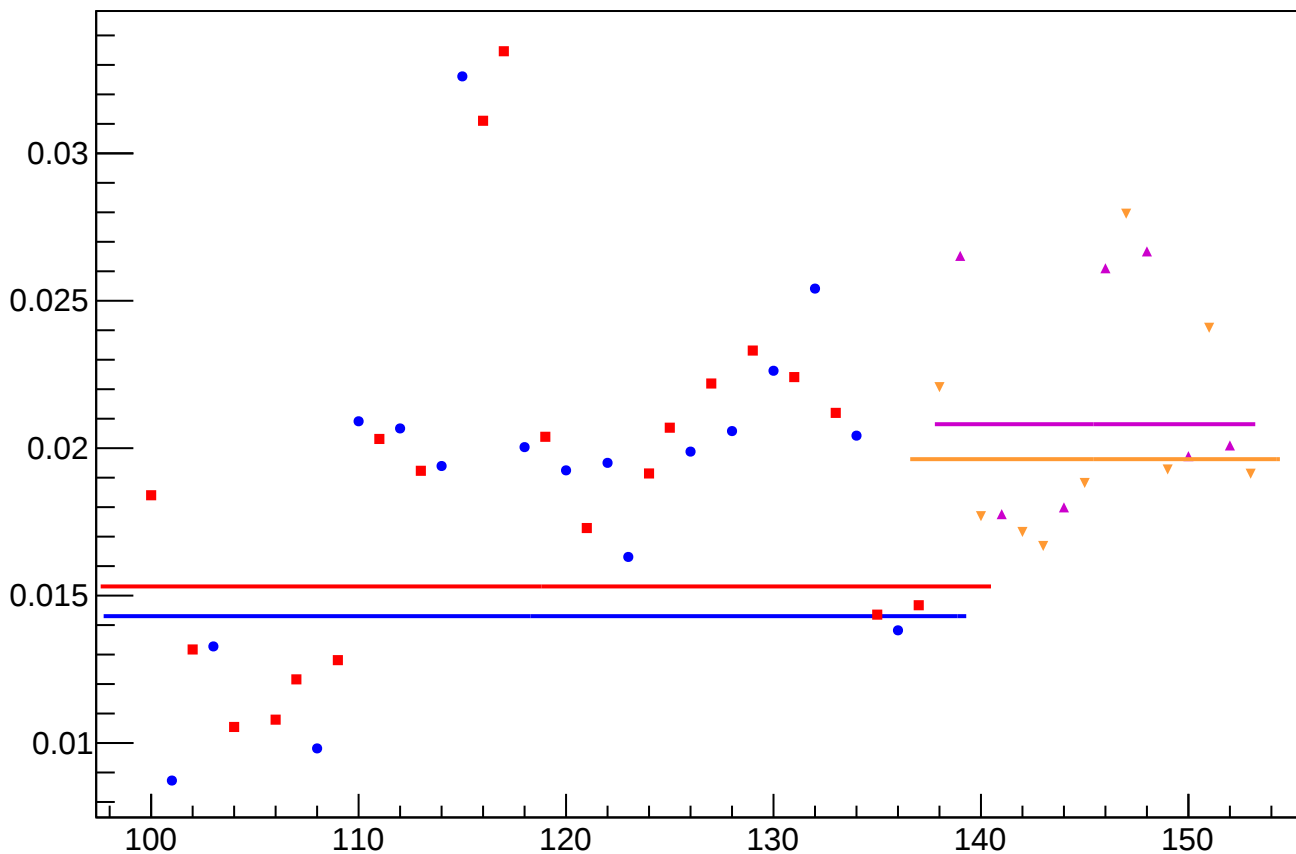
Right Out: 10.580+/-0.000 χ^2/NDF : 5769007164.9/19

Left In: 9.324+/-0.000 χ^2/NDF :482398040.2/6

10.122+/-0.000 χ^2/NDF : 23699536090.7/25

10.179+/-0.000 χ^2/NDF : 19002192013.5/26

yield_sam6_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1408012.0/16

Left Out: 0.020+/-0.000 χ^2/NDF : 273862.1/8

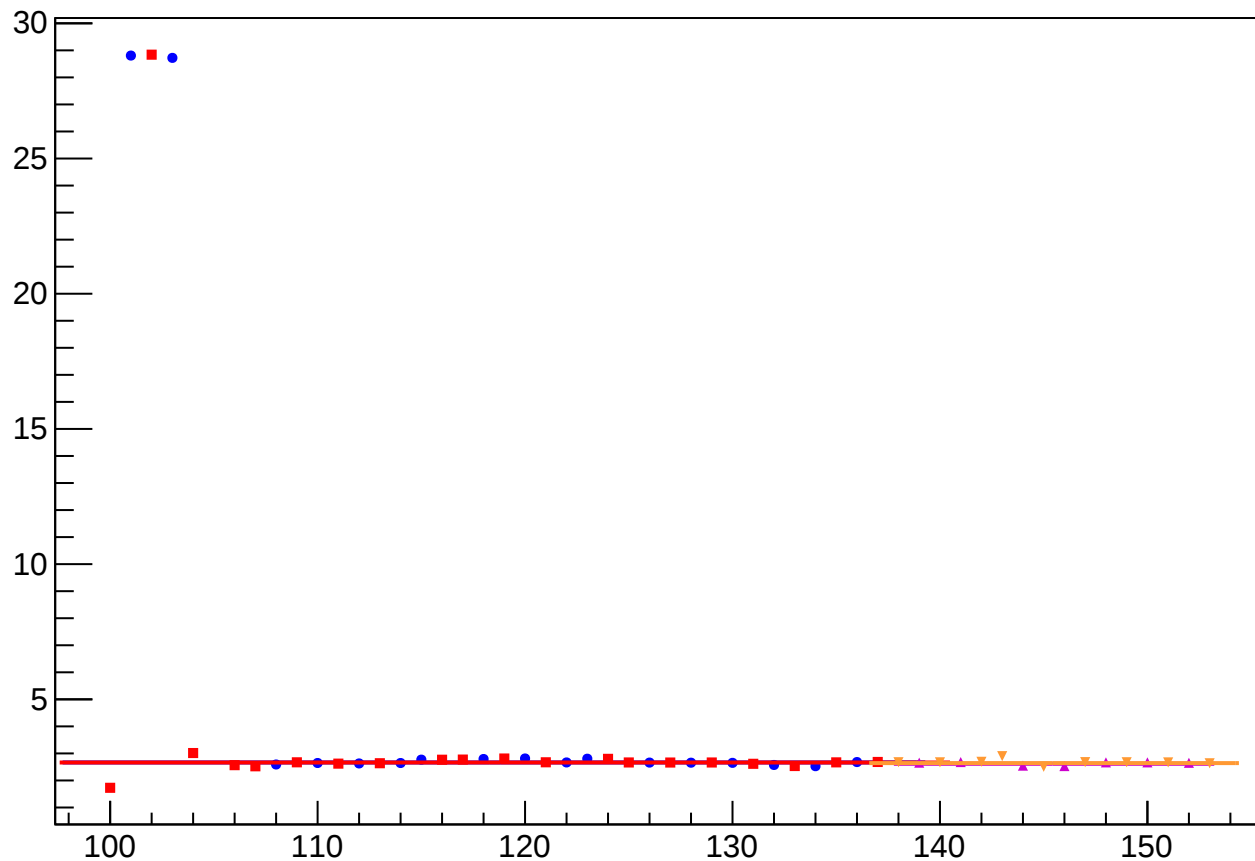
Right Out: 0.015+/-0.000 χ^2/NDF : 1011477.2/19

Left In: 0.021+/-0.000 χ^2/NDF : 288842.6/6

0.016+/-0.000 χ^2/NDF : 2225835.1/25

0.017+/-0.000 χ^2/NDF : 1789752.3/26

yield_sam7_mean vs Slug



Right In: 2.666 ± 0.000 χ^2/NDF : 163167327359.4/16

Left Out: 2.642 ± 0.000 χ^2/NDF : 11360763435.1/8

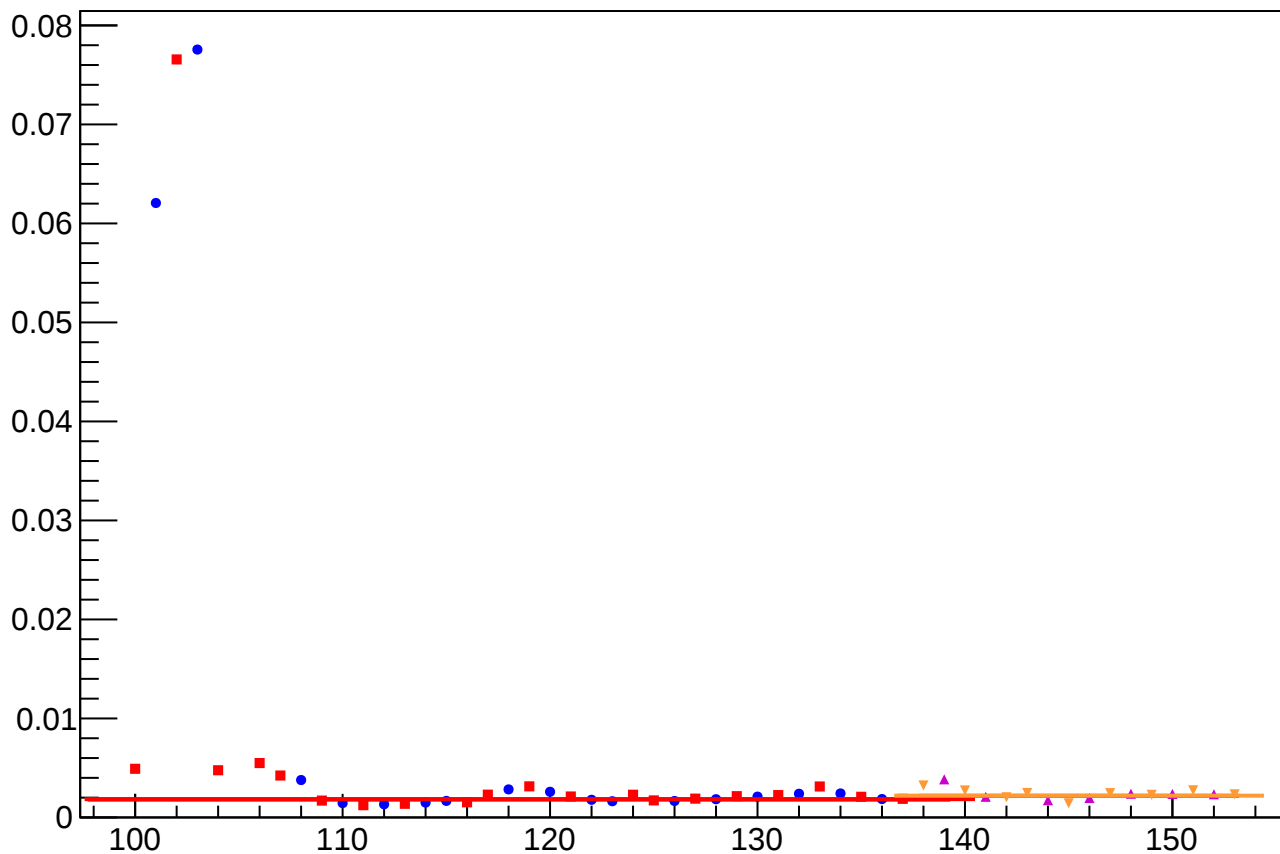
Right Out: 2.664 ± 0.000 χ^2/NDF : 70484048082.1/19

Left In: 2.616 ± 0.000 χ^2/NDF : 3783105527.3/6

2.656 ± 0.000 χ^2/NDF : 174862700061.7/25

2.645 ± 0.000 χ^2/NDF : 75564104388.0/26

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 : 593914.1/8

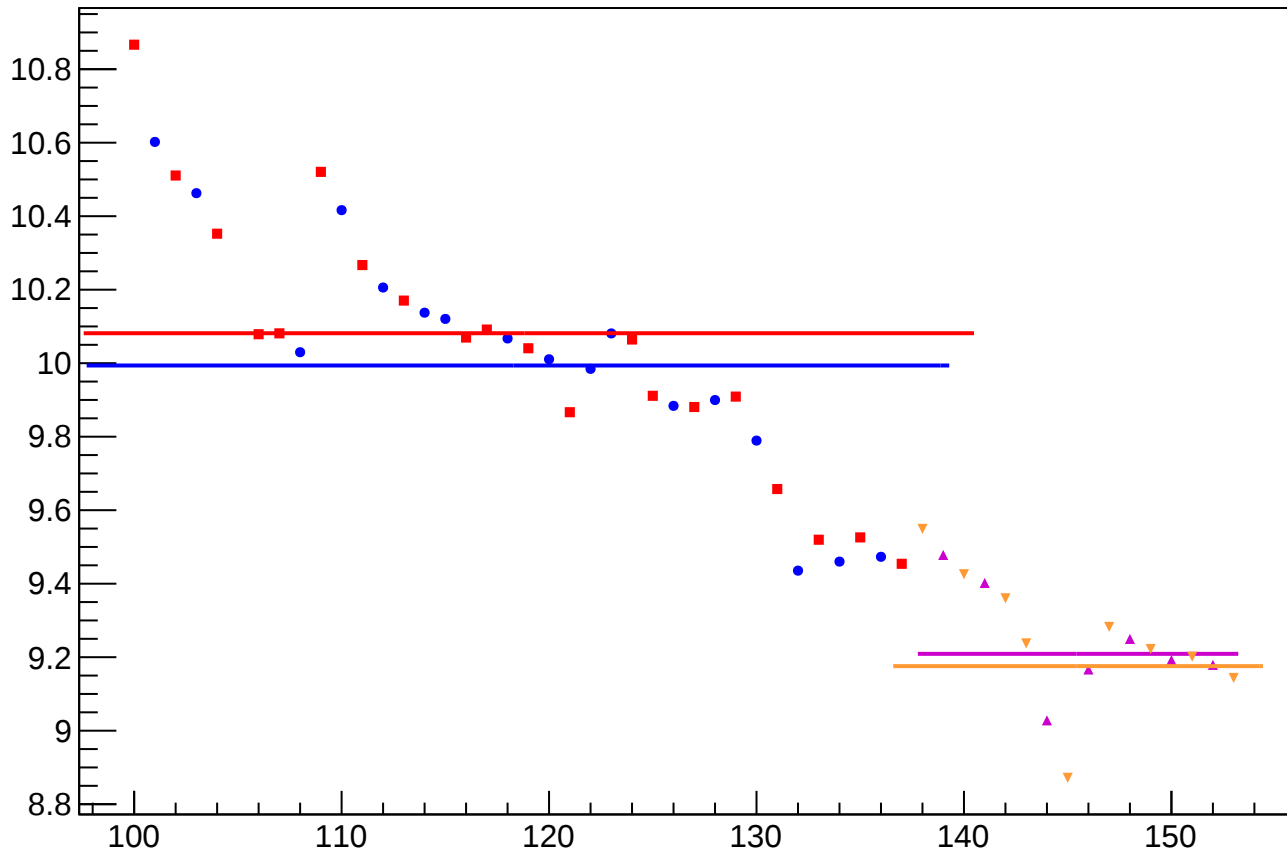
Right Out: 0.002+/-0.000 χ^2/NDF : 2334243.7/19

Left In: 0.002+/-0.000 χ^2/NDF : 391781.5/6

0.002+/-0.000 χ^2/NDF : 3427885.6/25

0.002+/-0.000 χ^2/NDF : 2855764.5/26

yield_sam8_mean vs Slug



Right In: 9.994 $\pm$ 0.000 χ^2 /NDF: 18815741664.6/16

Left Out: 9.176 $\pm$ 0.000 χ^2 /NDF: 4595503487.4/8

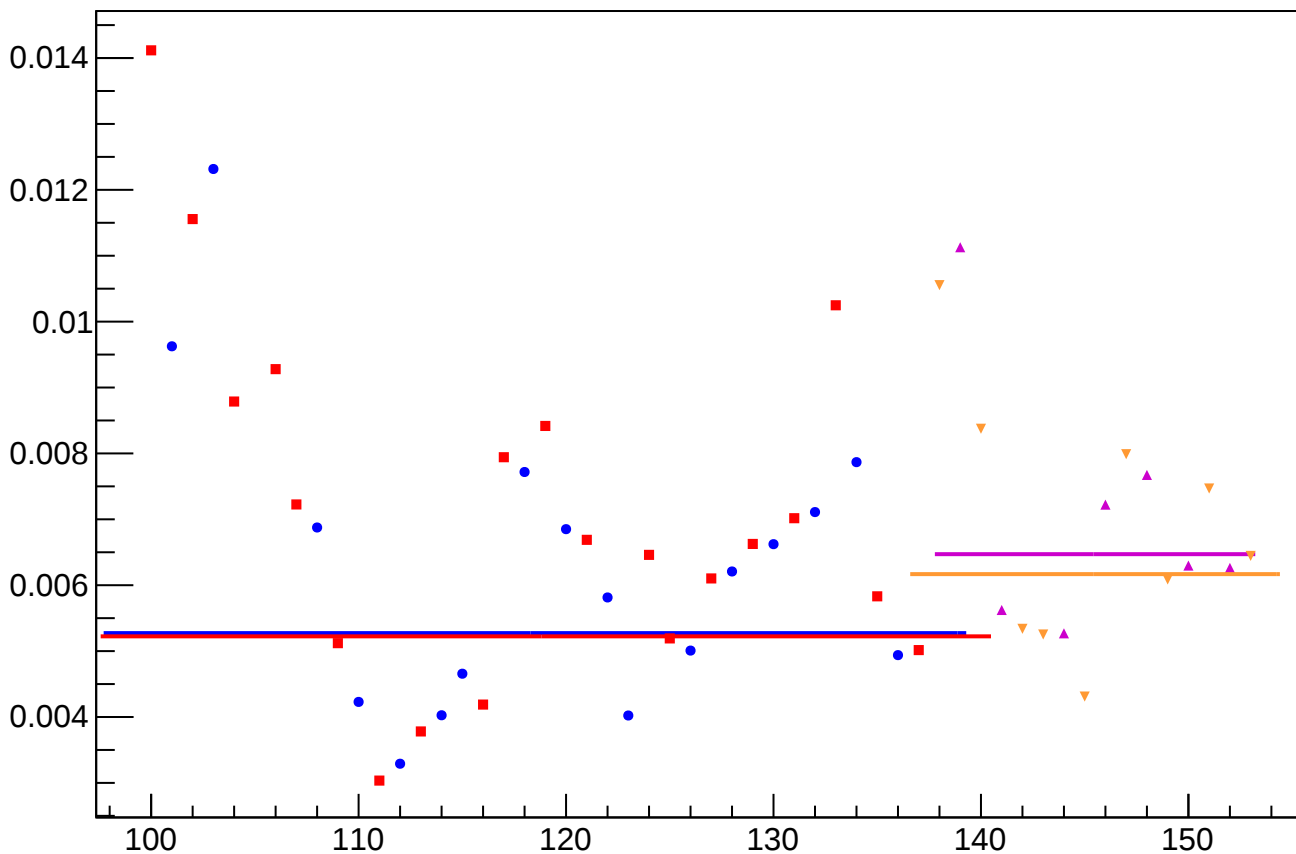
9.651 $\pm$ 0.000 χ^2 /NDF: 74083228243.3/25

Right Out: 10.082 $\pm$ 0.000 χ^2 /NDF: 15502760782.3/19

9.768 $\pm$ 0.000 χ^2 /NDF: 70060671165.2/26

Left In: 9.209 $\pm$ 0.000 χ^2 /NDF: 1890186590.0/6

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 : 651319.9/8

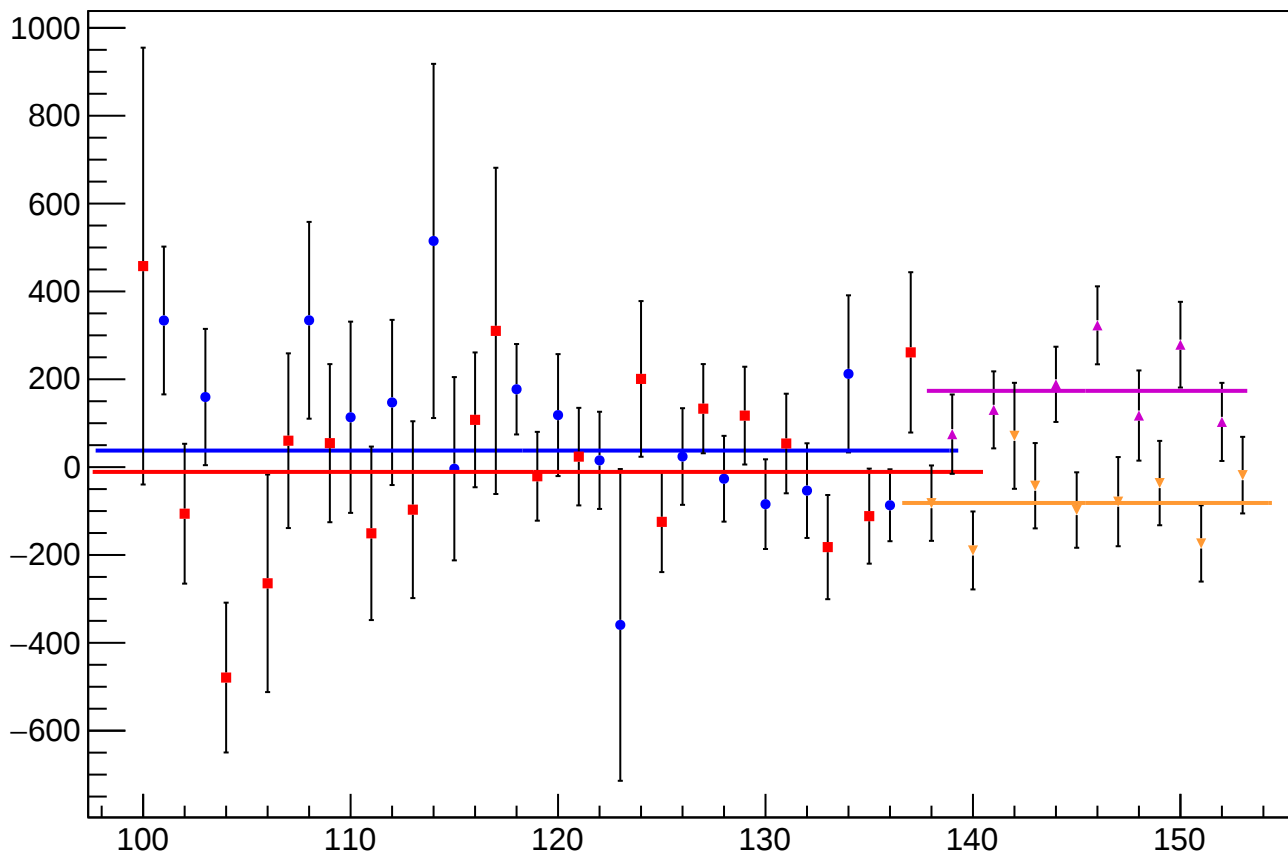
Right Out: 0.005+/-0.000 χ^2/NDF : 1667515.0/19

Left In: 0.006+/-0.000 χ^2/NDF : 382322.6/6

0.006+/-0.000 χ^2/NDF : 2018279.9/25

0.006+/-0.000 χ^2/NDF : 2265123.4/26

reg_asym_sam1_mean vs Slug



Right In: 37.694 ± 32.253 $\chi^2/\text{NDF}: 16.7/16$

Left Out: -81.576 ± 30.971 $\chi^2/\text{NDF}: 5.2/8$

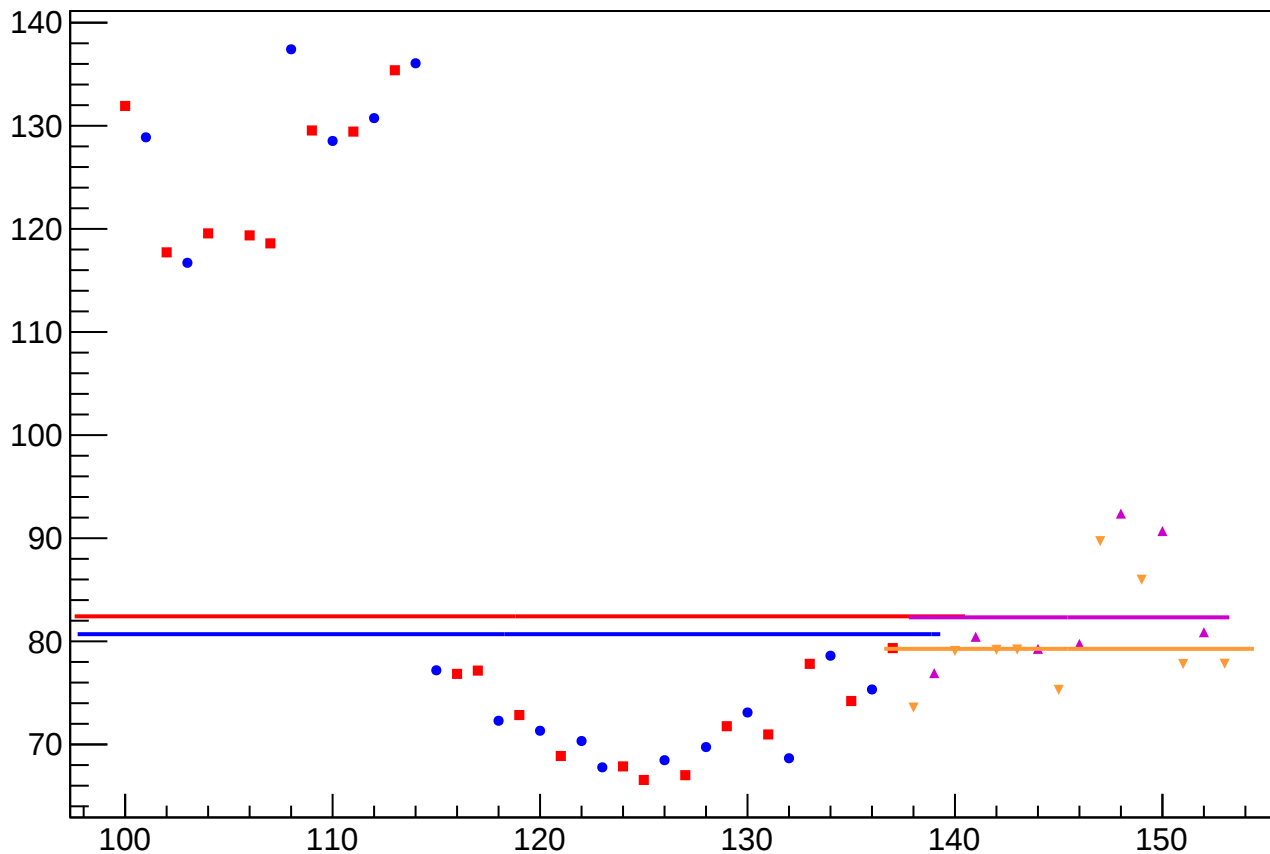
Right Out: -10.884 ± 31.947 $\chi^2/\text{NDF}: 23.5/19$

Left In: 173.640 ± 34.451 $\chi^2/\text{NDF}: 6.4/6$

-24.360 ± 22.339 $\chi^2/\text{NDF}: 29.0/25$

74.429 ± 23.426 $\chi^2/\text{NDF}: 45.3/26$

reg_asym_sam1_rms vs Slug



Right In: 80.694 $\pm$ 0.023 χ^2 /NDF: 814026.4/16

Left Out: 79.275 $\pm$ 0.022 χ^2 /NDF:45152.6/8

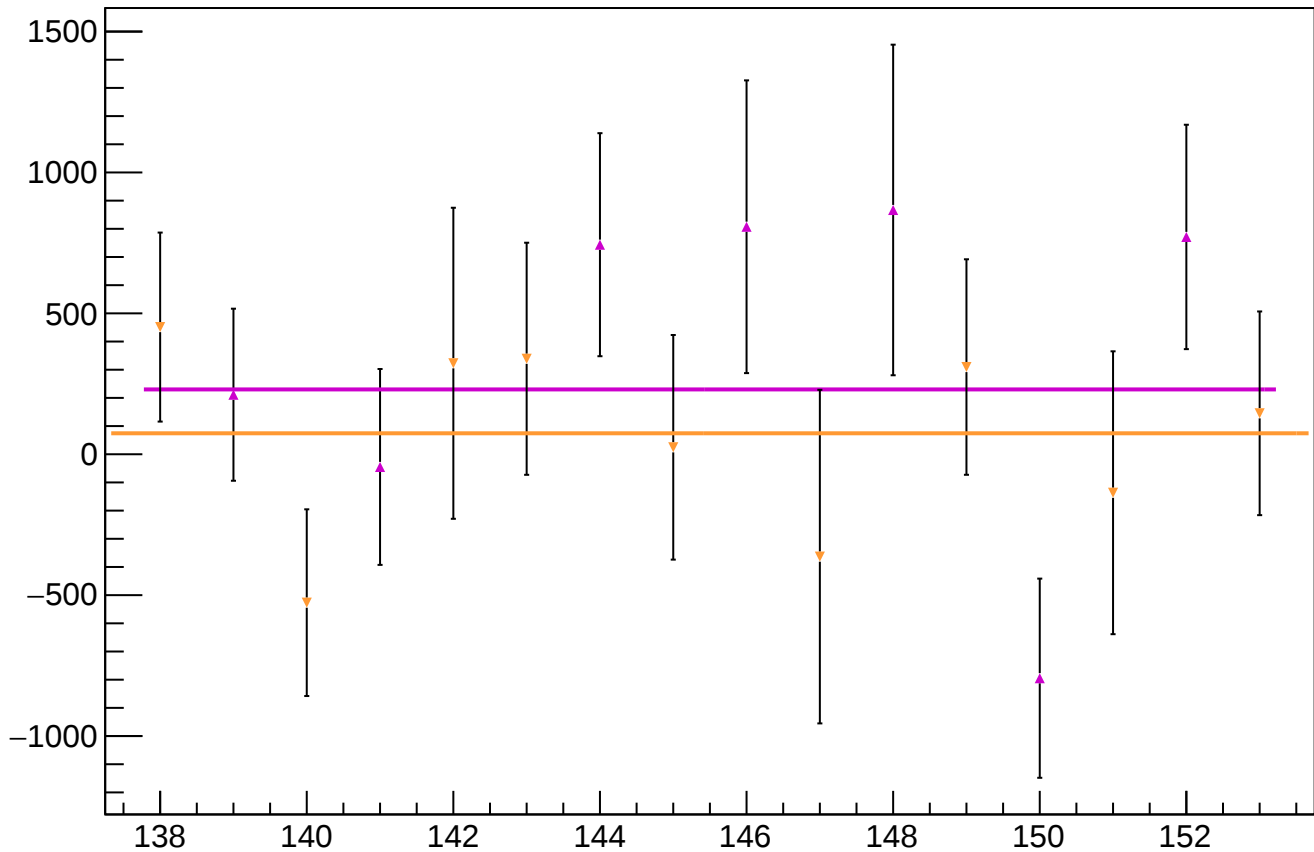
Right Out: 82.424 $\pm$ 0.023 χ^2 /NDF: 915282.5/19

Left In: 82.327 $\pm$ 0.024 χ^2 /NDF:46791.2/6

79.956 $\pm$ 0.016 χ^2 /NDF: 861193.6/25

82.379 $\pm$ 0.017 χ^2 /NDF: 962082.3/26

asym_sam1_correction_mean vs Slug



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

Left Out: 74.393+/-135.089 χ^2/NDF : 6.3/8

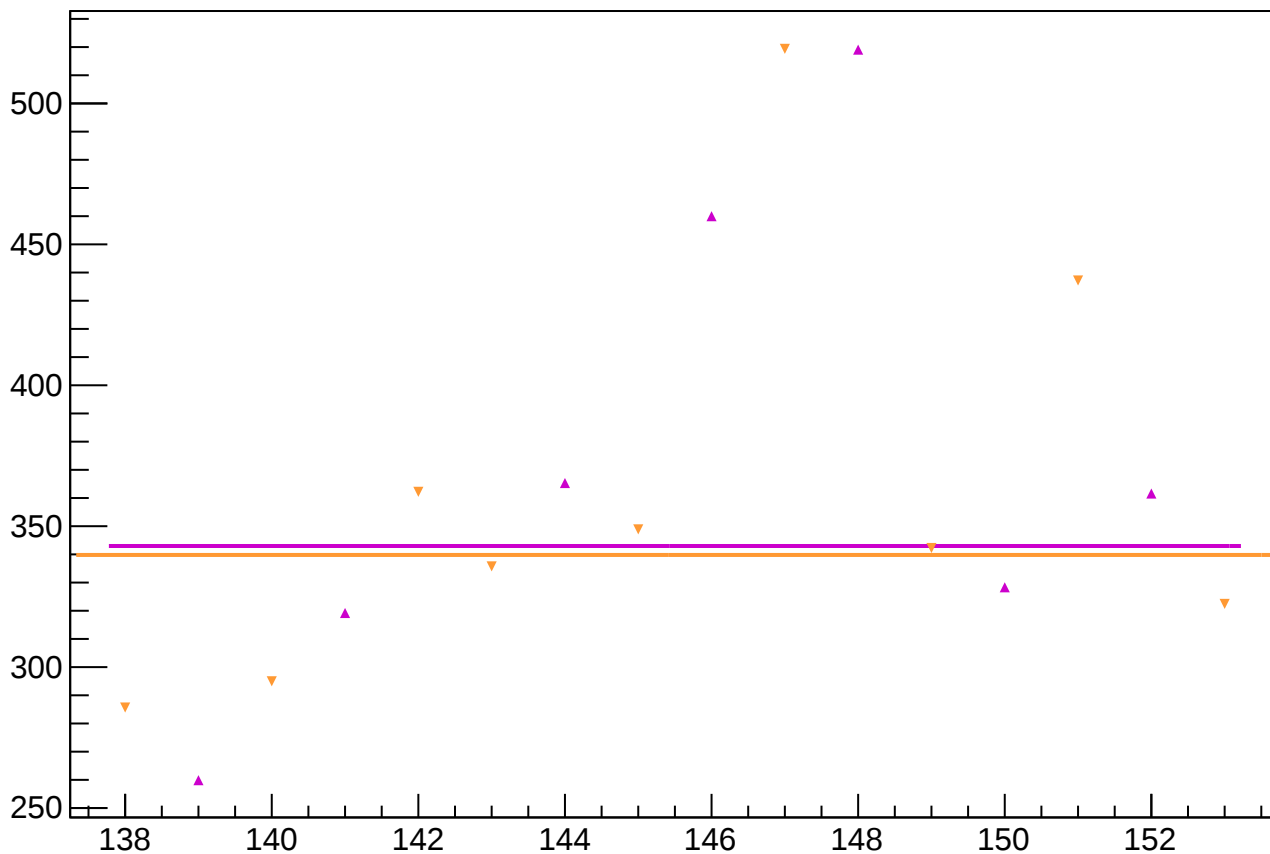
74.393+/-135.089 χ^2/NDF : 6.3/8

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

230.058+/-146.931 χ^2/NDF : 15.0/6

Left In: 230.058+/-146.931 χ^2/NDF : 15.0/6

asym_sam1_correction_rms vs Slug



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

Left Out: 339.800+/-0.096 χ^2/NDF : 357359.6/8

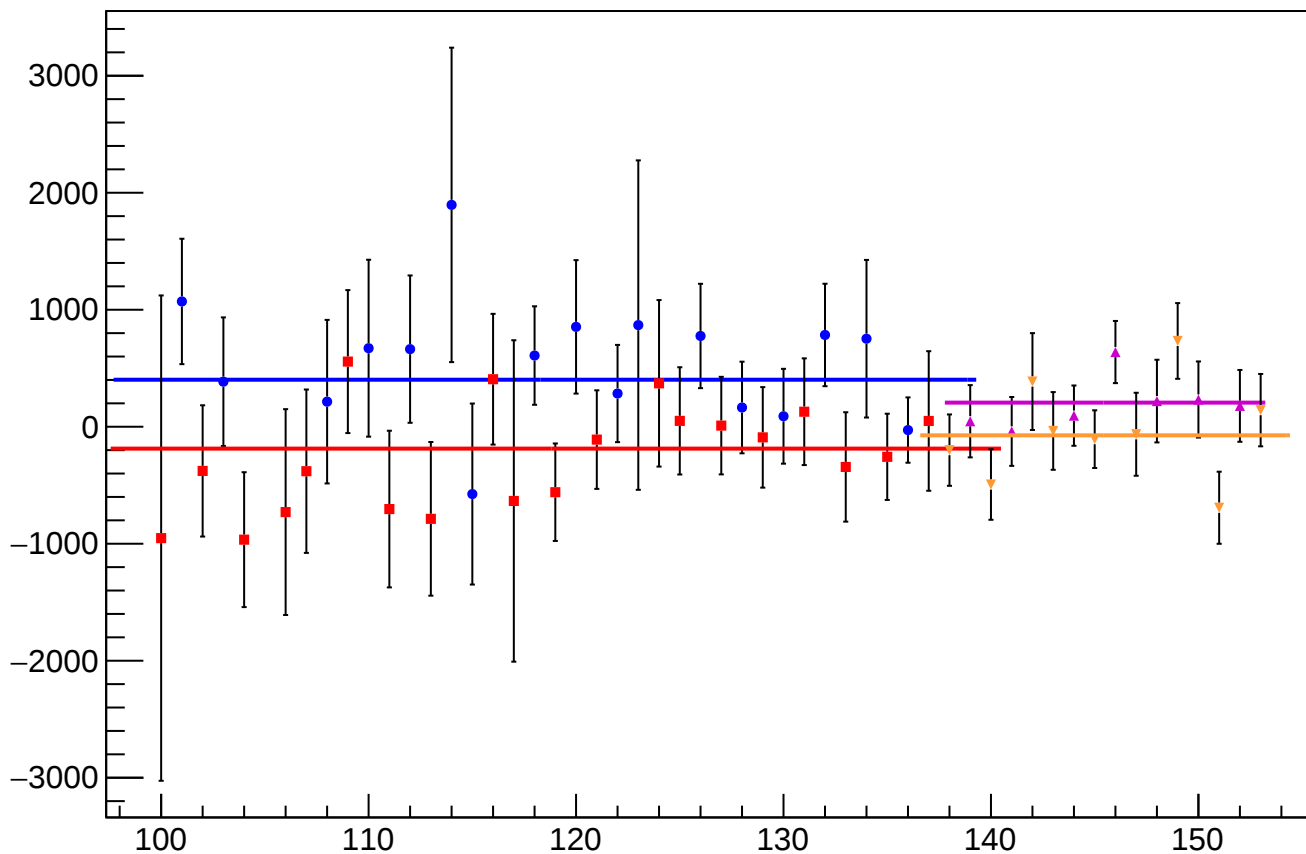
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 342.977+/-0.104 χ^2/NDF : 453504.2/6

339.800+/-0.096 χ^2/NDF : 357359.6/8

342.977+/-0.104 χ^2/NDF : 453504.2/6

reg_asym_sam2_mean vs Slug



Right In: 401.871 $\pm$ 121.048 χ^2 /NDF: 10.9/16

Left Out: -73.413 $\pm$ 104.496 χ^2 /NDF:14.1/8

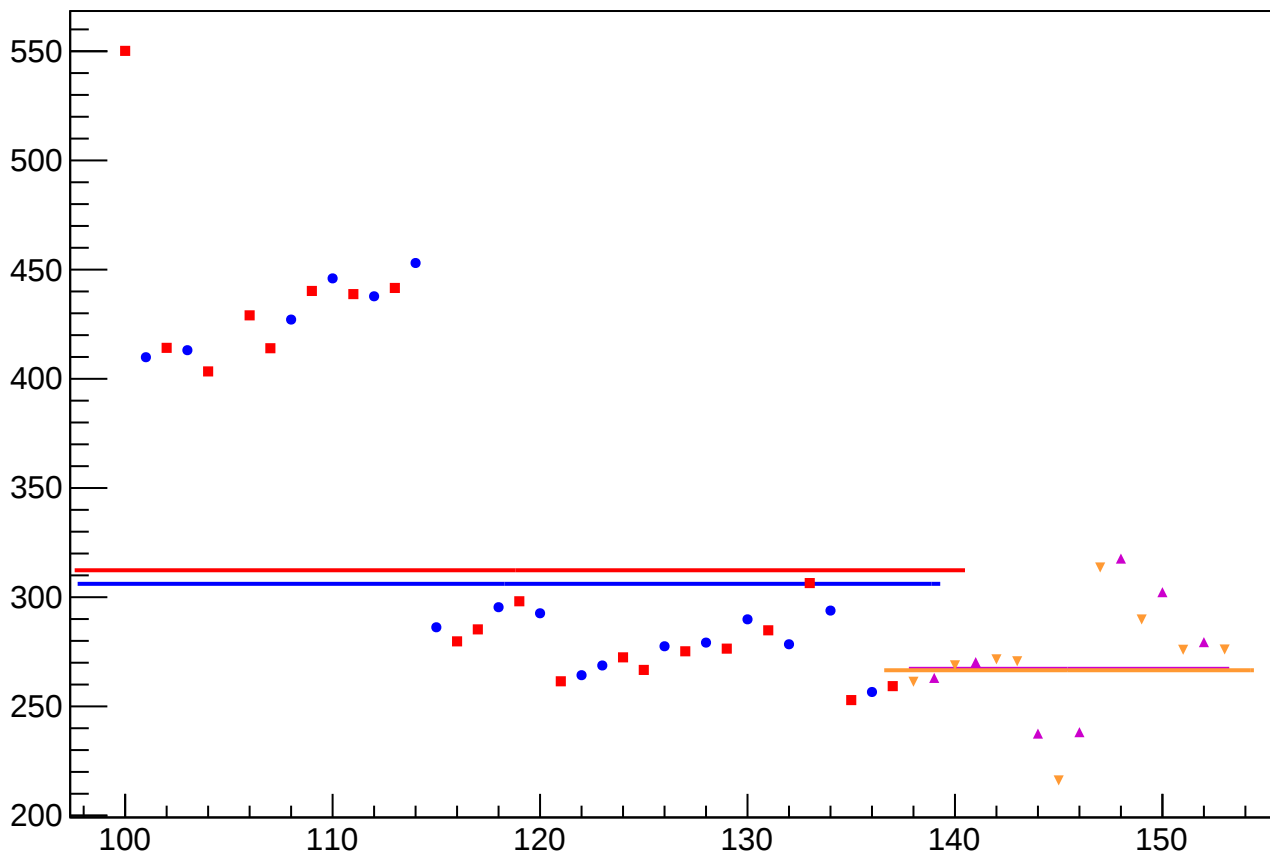
Right Out: -186.914 $\pm$ 119.879 χ^2 /NDF: 9.4/19

Left In: 206.092 $\pm$ 112.284 χ^2 /NDF:3.8/6

129.536 $\pm$ 79.099 χ^2 /NDF: 33.8/25

22.432 $\pm$ 81.950 χ^2 /NDF: 19.0/26

reg_asym_sam2_rms vs Slug



Right In: 306.123+/-0.086 χ^2/NDF : 508435.8/16

Left Out: 266.552+/-0.074 χ^2/NDF :134230.9/8

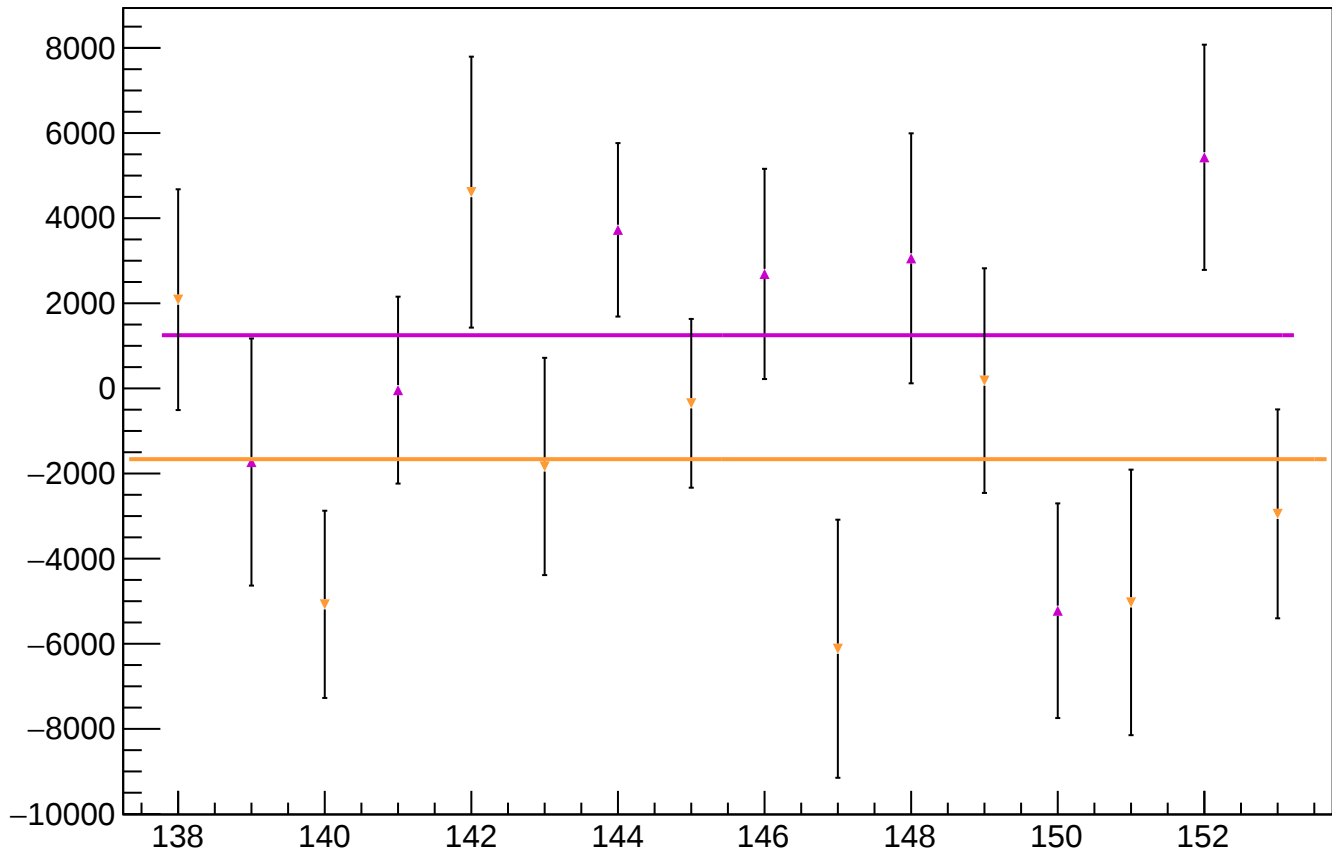
Right Out: 312.335+/-0.085 χ^2/NDF : 626552.3/19

Left In: 267.209+/-0.079 χ^2/NDF :118165.7/6

283.449+/-0.056 χ^2/NDF : 765140.3/25

288.297+/-0.058 χ^2/NDF : 895680.0/26

asym_sam2_correction_mean vs Slug



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

Left Out: -1662.767+/-850.325 χ^2/NDF : 12.9/8

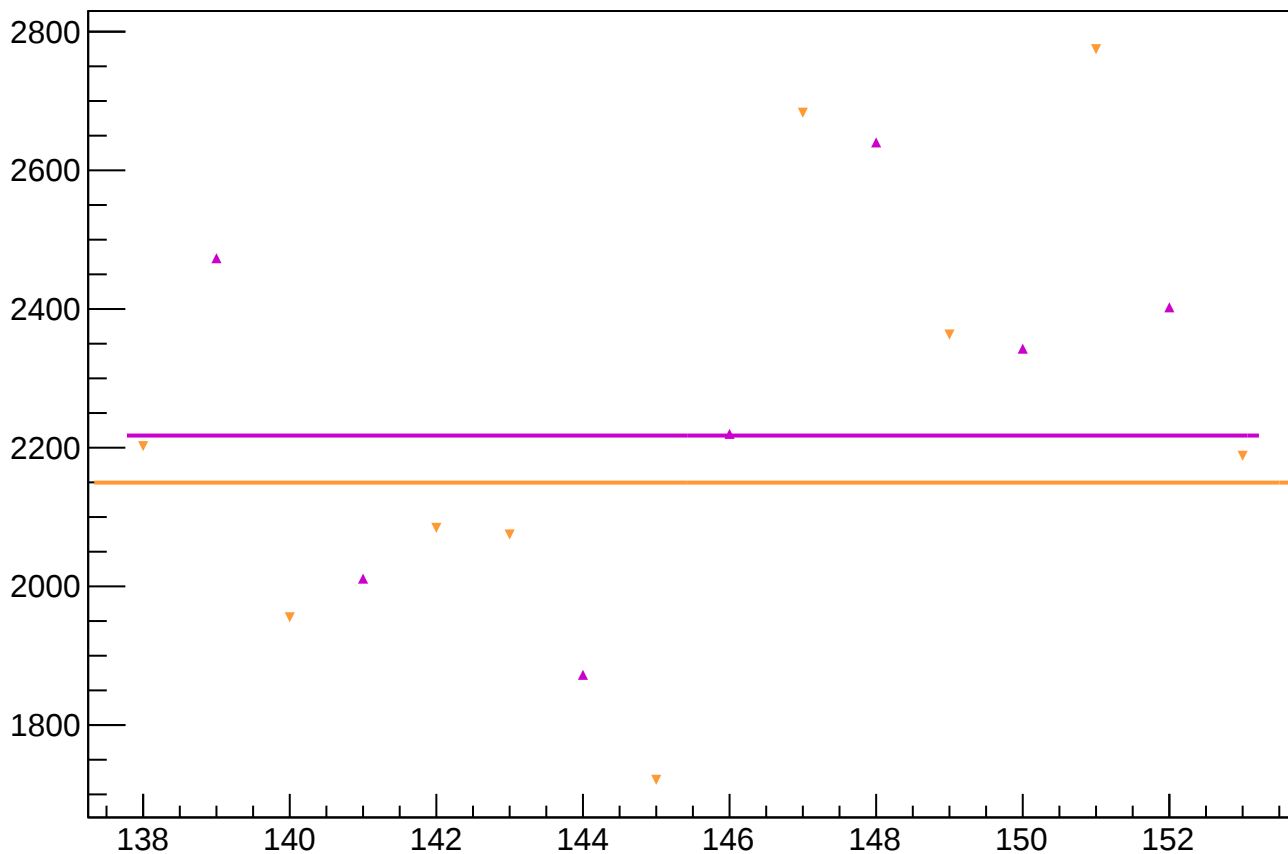
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1249.631+/-933.840 χ^2/NDF : 12.7/6

-1662.767+/-850.325 χ^2/NDF : 12.9/8

1249.631+/-933.840 χ^2/NDF : 12.7/6

asym_sam2_correction_rms vs Slug



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

Left Out: 2149.664+/-0.601 χ^2/NDF :268238.7/8

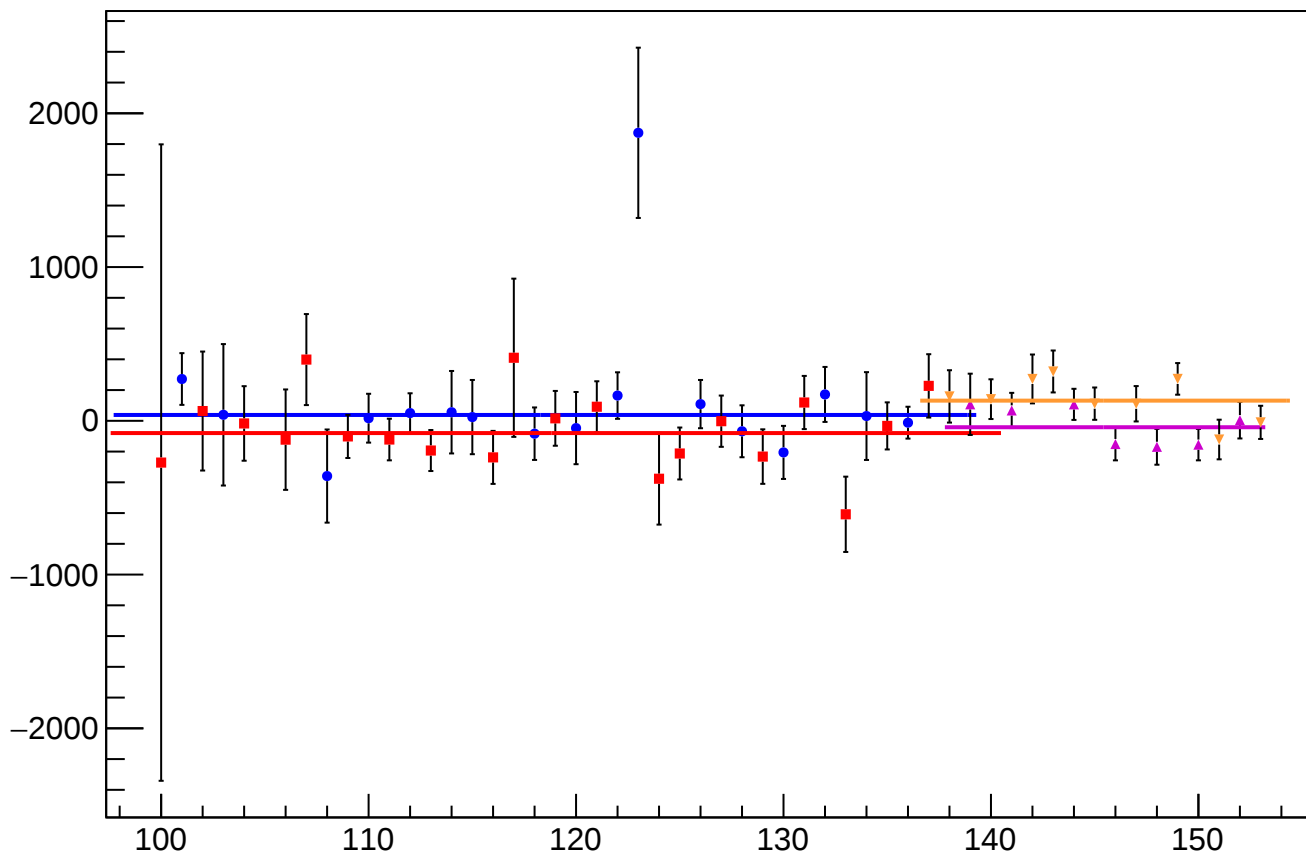
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 2217.525+/-0.660 χ^2/NDF :146664.3/6

2149.664+/-0.601 χ^2/NDF : 268238.7/8

2217.525+/-0.660 χ^2/NDF : 146664.3/6

reg_asym_sam3_mean vs Slug



Right In: 38.126+/-43.548 χ^2/NDF : 19.4/16

Left Out: 131.297+/-41.013 χ^2/NDF : 10.3/8

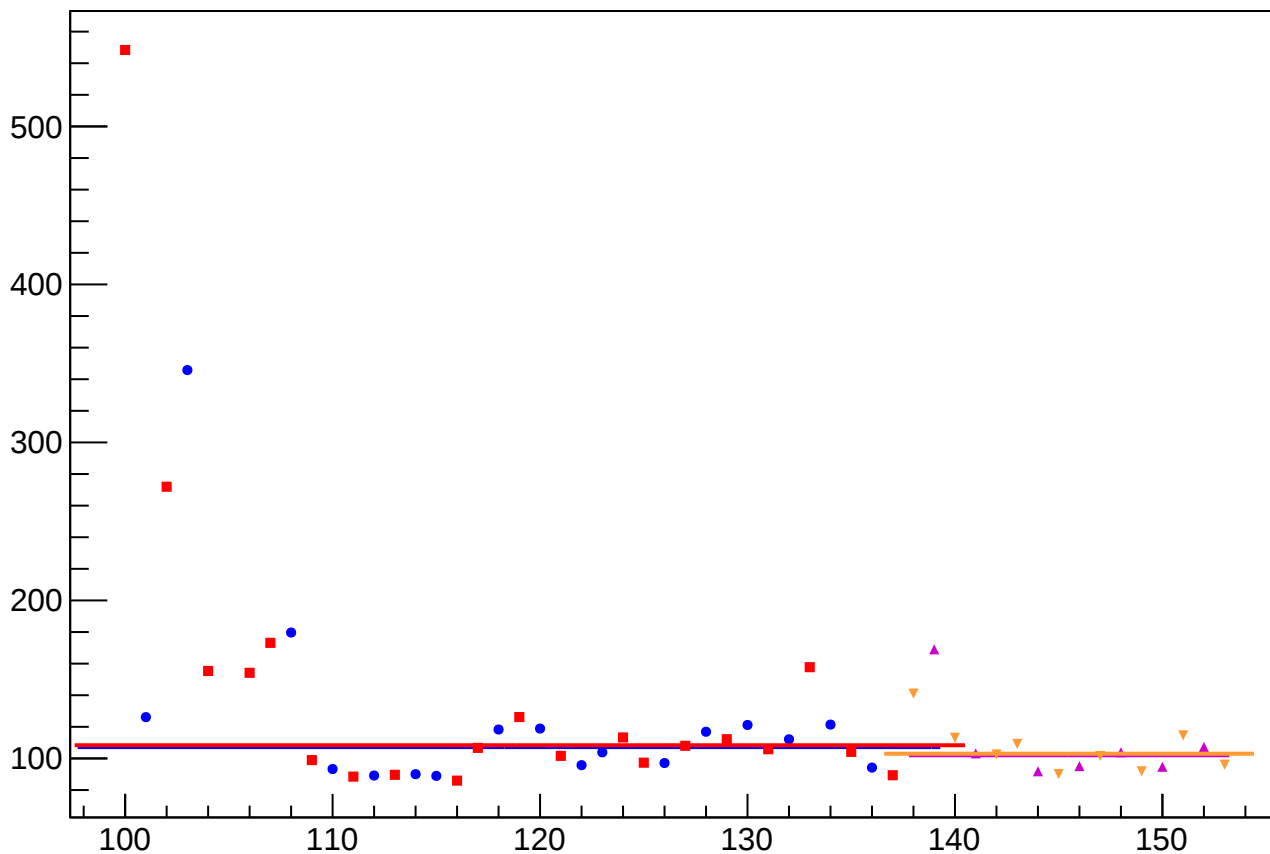
Right Out: -79.665+/-42.948 χ^2/NDF : 17.6/19

Left In: -41.717+/-43.517 χ^2/NDF : 7.3/6

87.502+/-29.856 χ^2/NDF : 32.1/25

-60.941+/-30.568 χ^2/NDF : 25.3/26

reg_asym_sam3_rms vs Slug



Right In: 107.189+/-0.031 χ^2/NDF : 843115.1/16

Left Out: 103.001+/-0.029 χ^2/NDF :194373.6/8

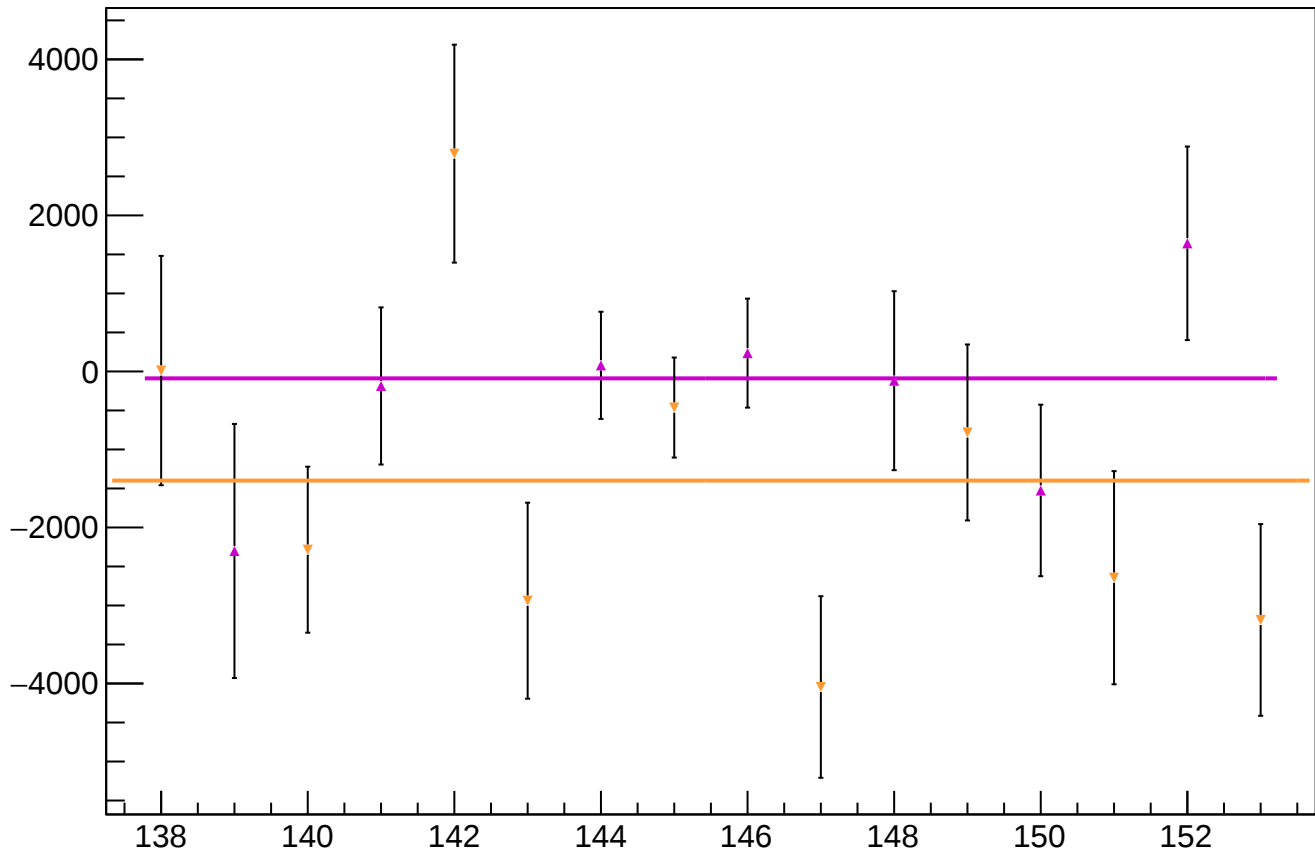
Right Out: 108.347+/-0.030 χ^2/NDF : 917309.2/19

Left In: 102.000+/-0.031 χ^2/NDF :269733.9/6

104.970+/-0.021 χ^2/NDF : 1047290.4/25

105.215+/-0.022 χ^2/NDF : 1208596.3/26

asym_sam3_correction_mean vs Slug



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

Left Out: -1398.772+/-361.609 χ^2/NDF : 22.7/8

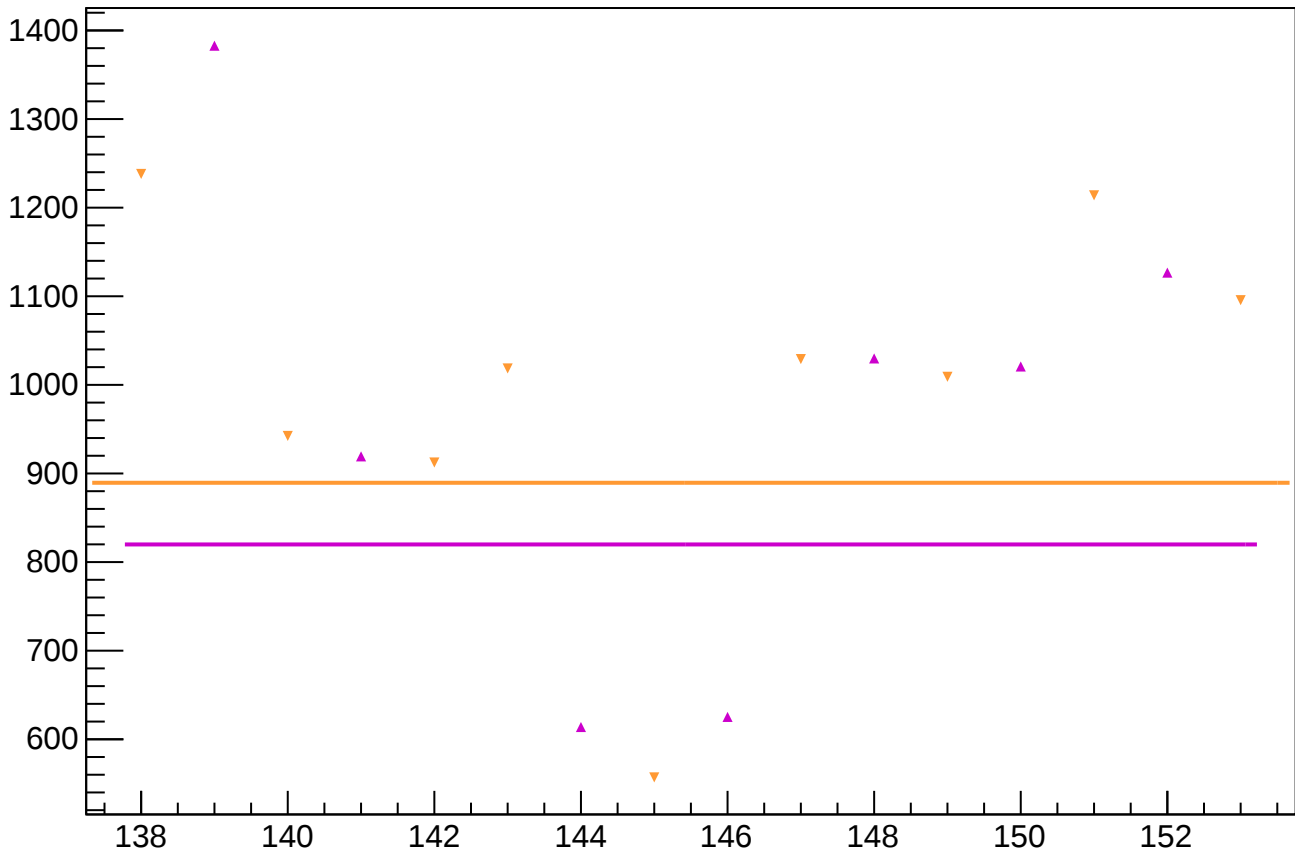
-1398.772+/-361.609 χ^2/NDF : 22.7/8

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

-88.699+/-358.785 χ^2/NDF : 5.8/6

Left In: -88.699+/-358.785 χ^2/NDF : 5.8/6

asym_sam3_correction_rms vs Slug



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

Left Out: 889.511+/-0.256 χ^2/NDF : 897318.3/8

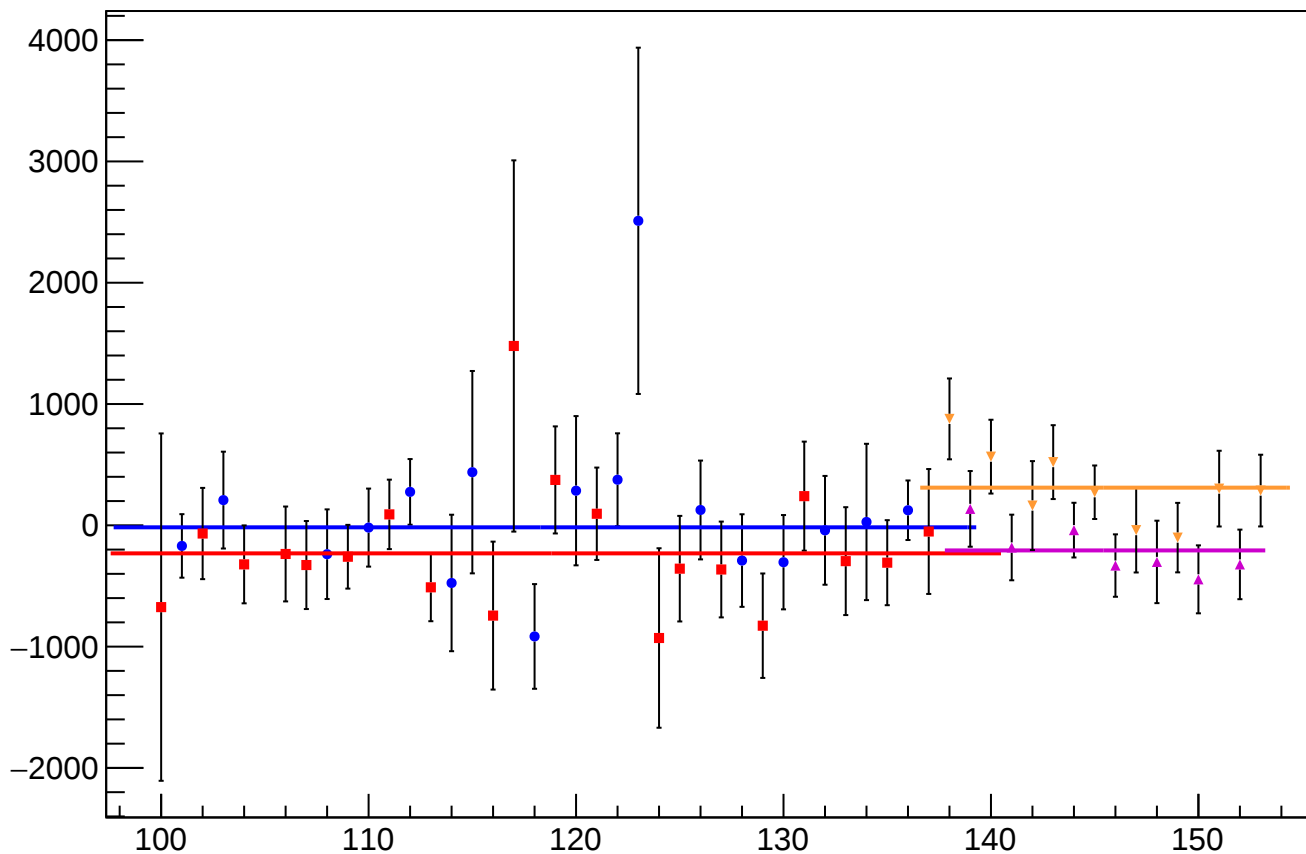
889.511+/-0.256 χ^2/NDF : 897318.3/8

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

819.900+/-0.254 χ^2/NDF : 849677.1/6

Left In: 819.900+/-0.254 χ^2/NDF : 849677.1/6

reg_asym_sam4_mean vs Slug



Right In: -16.459 ± 93.285 χ^2/NDF : 13.4/16

Left Out: 310.575 ± 99.660 χ^2/NDF : 7.3/8

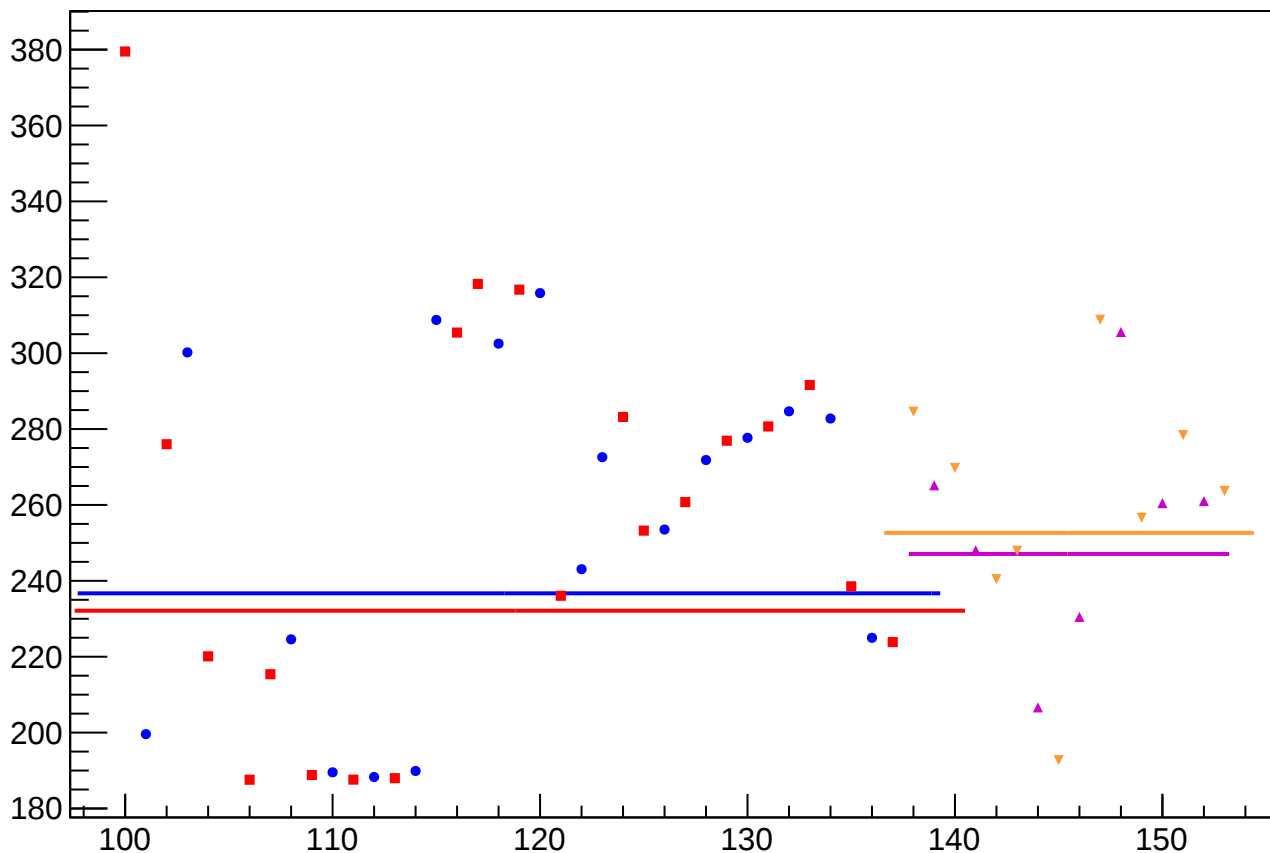
Right Out: -231.209 ± 88.787 χ^2/NDF : 11.6/19

Left In: -206.914 ± 104.105 χ^2/NDF : 3.0/6

136.263 ± 68.105 χ^2/NDF : 26.5/25

-220.979 ± 67.555 χ^2/NDF : 14.6/26

reg_asym_sam4_rms vs Slug



Right In: 236.706+/-0.066 χ^2/NDF : 390344.9/16

Left Out: 252.639+/-0.070 χ^2/NDF : 243460.0/8

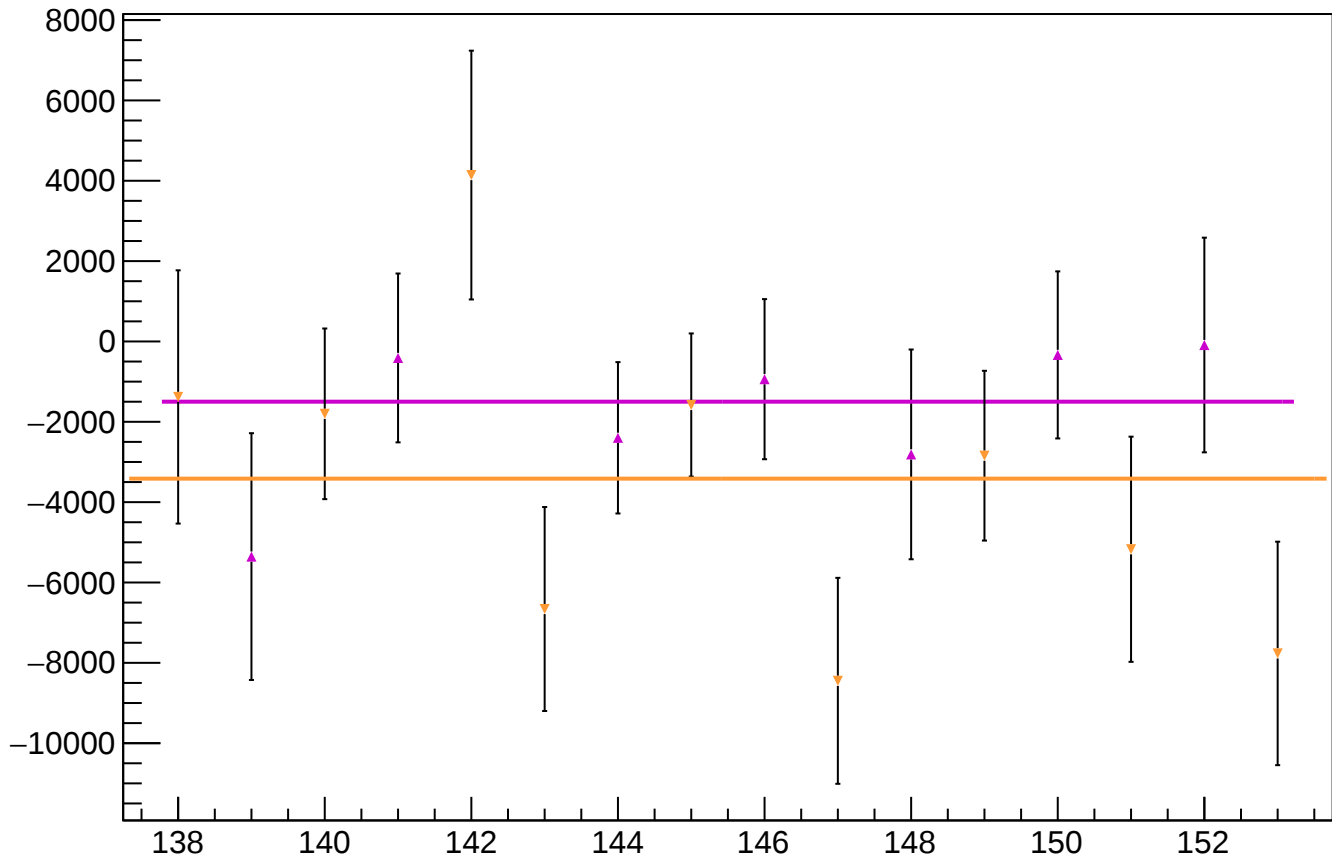
Right Out: 232.119+/-0.063 χ^2/NDF : 449633.1/19

Left In: 247.082+/-0.074 χ^2/NDF : 147949.1/6

244.147+/-0.048 χ^2/NDF : 661049.7/25

238.420+/-0.048 χ^2/NDF : 621500.8/26

asym_sam4_correction_mean vs Slug



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

Left Out: -3414.793+/-808.552 χ^2/NDF : 16.4/8

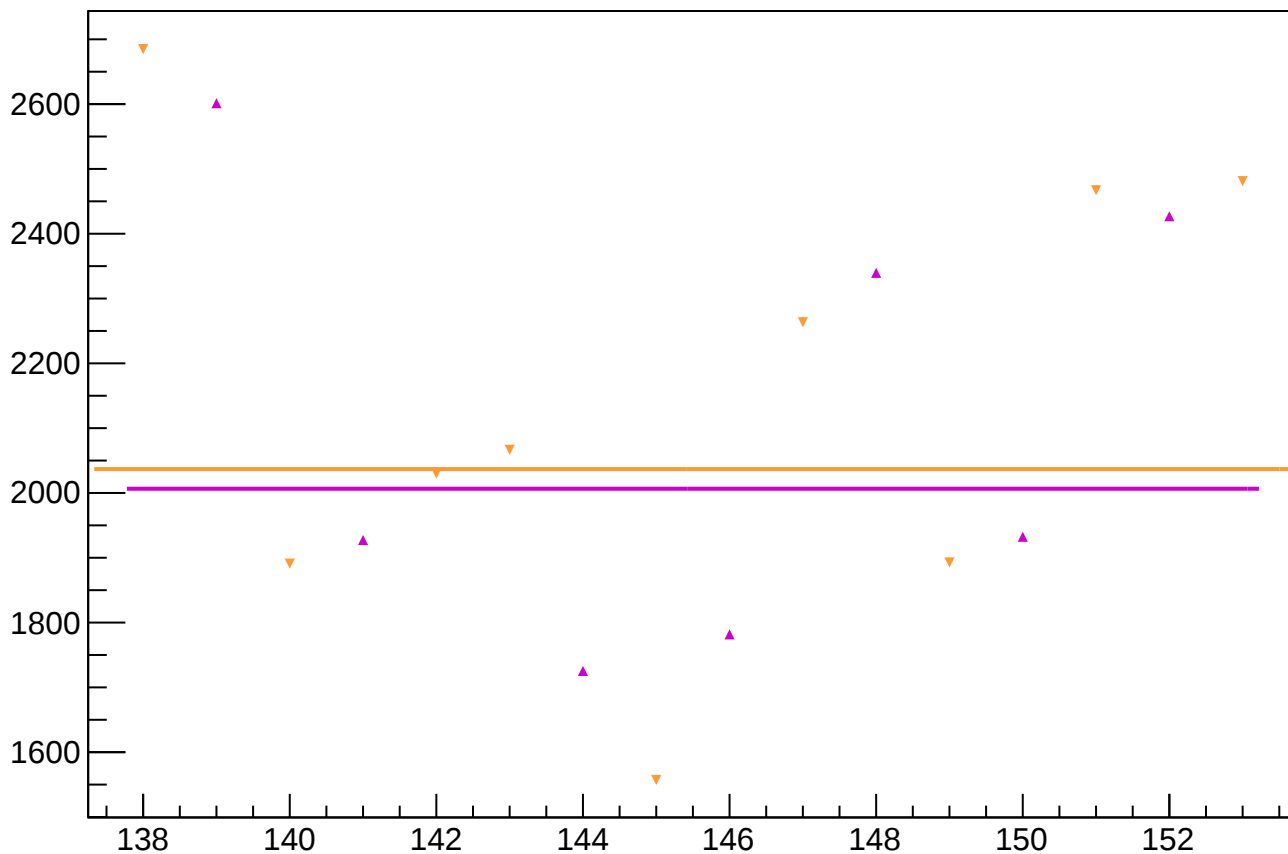
-3414.793+/-808.552 χ^2/NDF : 16.4/8

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

-1499.070+/-849.980 χ^2/NDF : 3.0/6

Left In: -1499.070+/-849.980 χ^2/NDF : 3.0/6

asym_sam4_correction_rms vs Slug



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

Left Out: 2036.888+/-0.572 χ^2/NDF : 362345.2/8

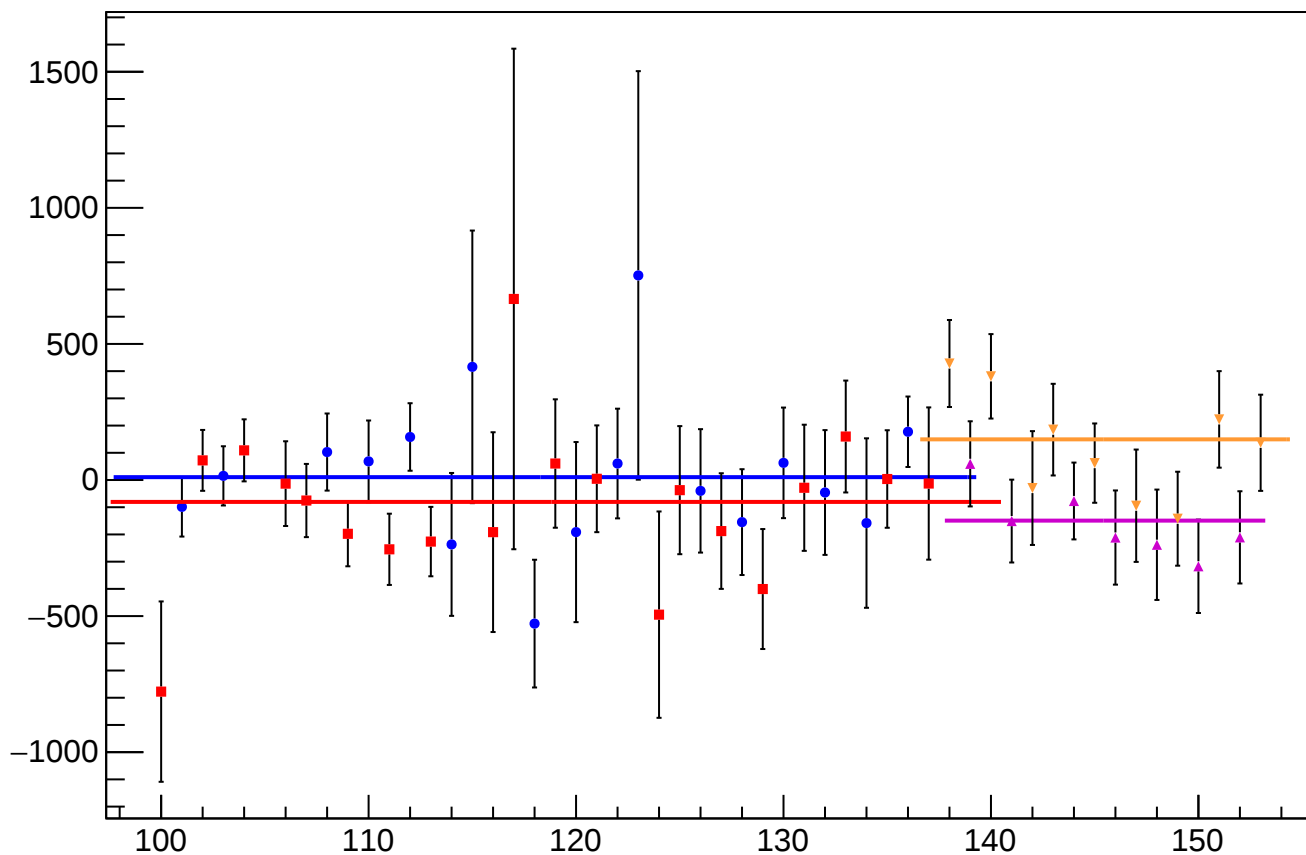
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 2006.500+/-0.601 χ^2/NDF : 232506.3/6

2036.888+/-0.572 χ^2/NDF : 362345.2/8

2006.500+/-0.601 χ^2/NDF : 232506.3/6

reg_asym_sam5_mean vs Slug



Right In: 10.530+/-42.294 χ^2/NDF : 14.1/16

Left Out: 149.384+/-57.094 χ^2/NDF : 10.8/8

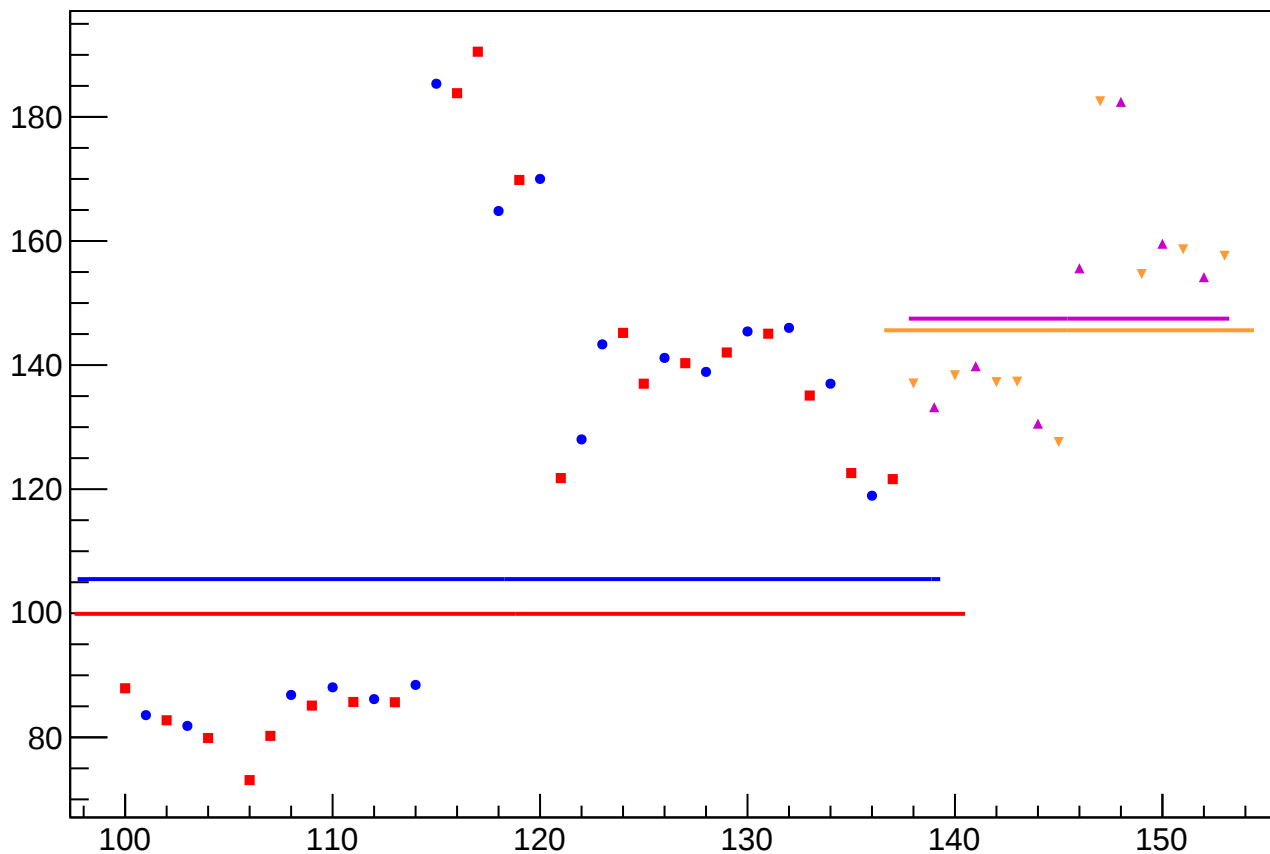
Right Out: -80.462+/-38.950 χ^2/NDF : 19.9/19

Left In: -149.206+/-61.926 χ^2/NDF : 3.4/6

59.730+/-33.985 χ^2/NDF : 28.7/25

-99.948+/-32.970 χ^2/NDF : 24.2/26

reg_asym_sam5_rms vs Slug



Right In: 105.503+/-0.030 χ^2/NDF : 869022.6/16

Left Out: 145.608+/-0.040 χ^2/NDF :138260.5/8

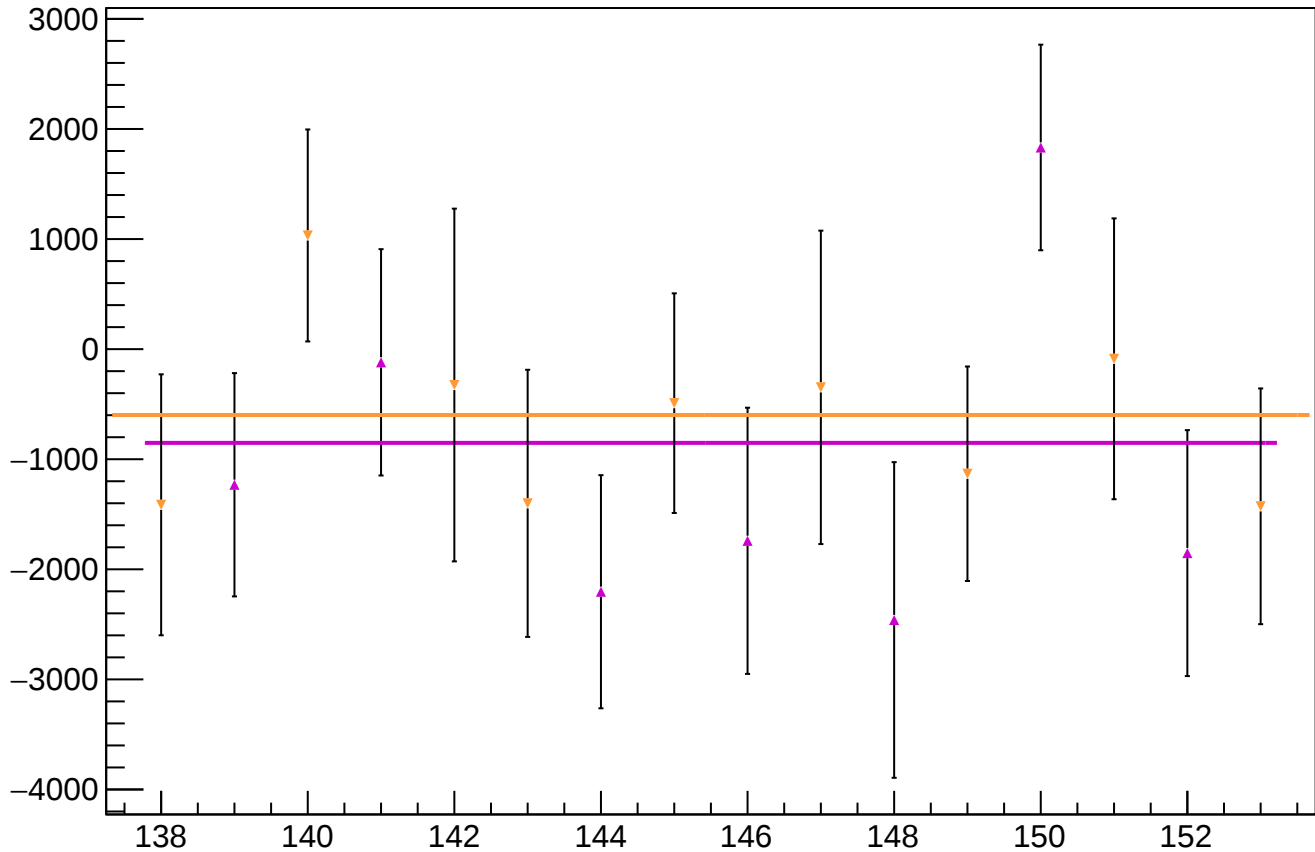
Right Out: 99.907+/-0.028 χ^2/NDF : 1019545.3/19

Left In: 147.485+/-0.044 χ^2/NDF :127300.2/6

119.713+/-0.024 χ^2/NDF : 1644495.0/25

113.394+/-0.023 χ^2/NDF : 1992771.6/26

asym_sam5_correction_mean vs Slug



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

Left Out: -598.349+/-380.747 χ^2/NDF : 4.9/8

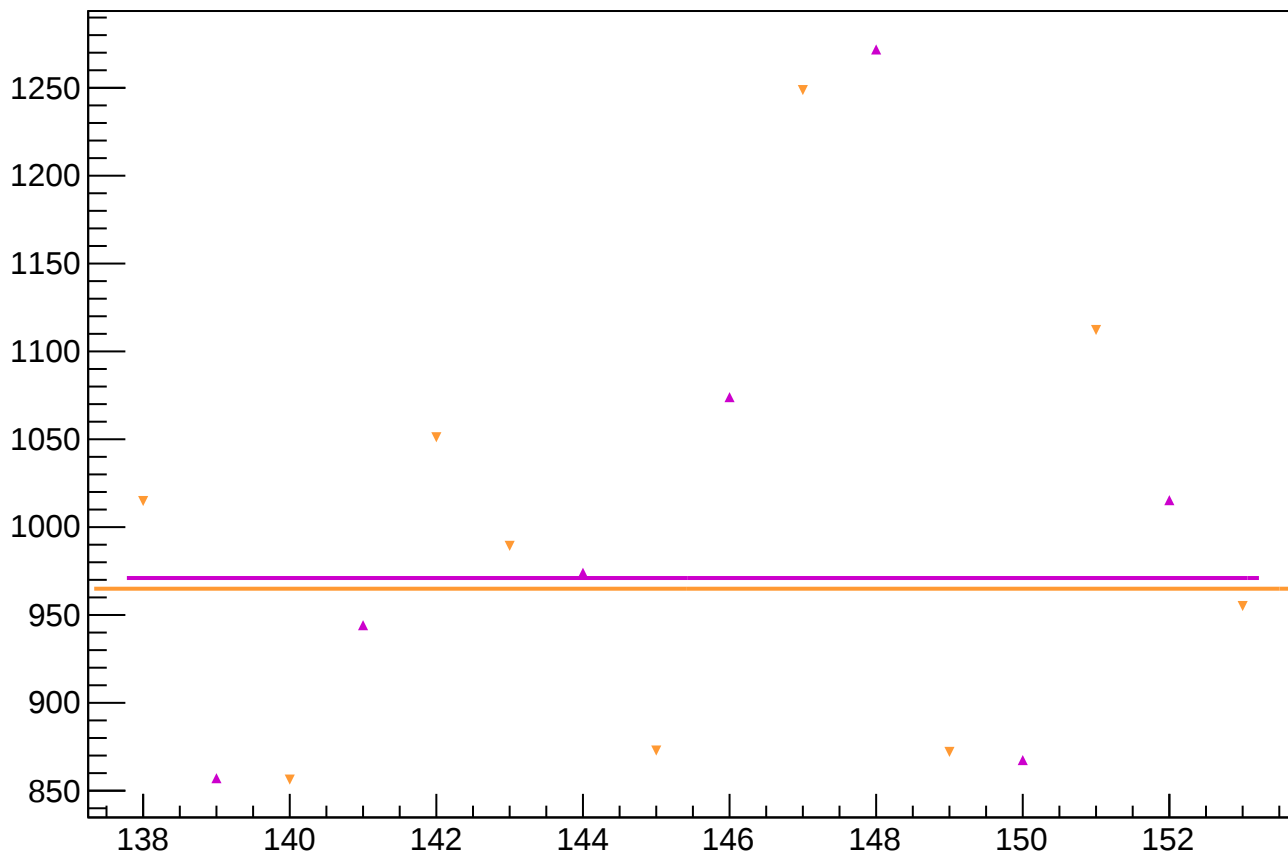
-598.349+/-380.747 χ^2/NDF : 4.9/8

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

-851.436+/-410.692 χ^2/NDF : 13.1/6

Left In: -851.436+/-410.692 χ^2/NDF : 13.1/6

asym_sam5_correction_rms vs Slug



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

Left Out: 964.956+/-0.269 χ^2/NDF : 177117.1/8

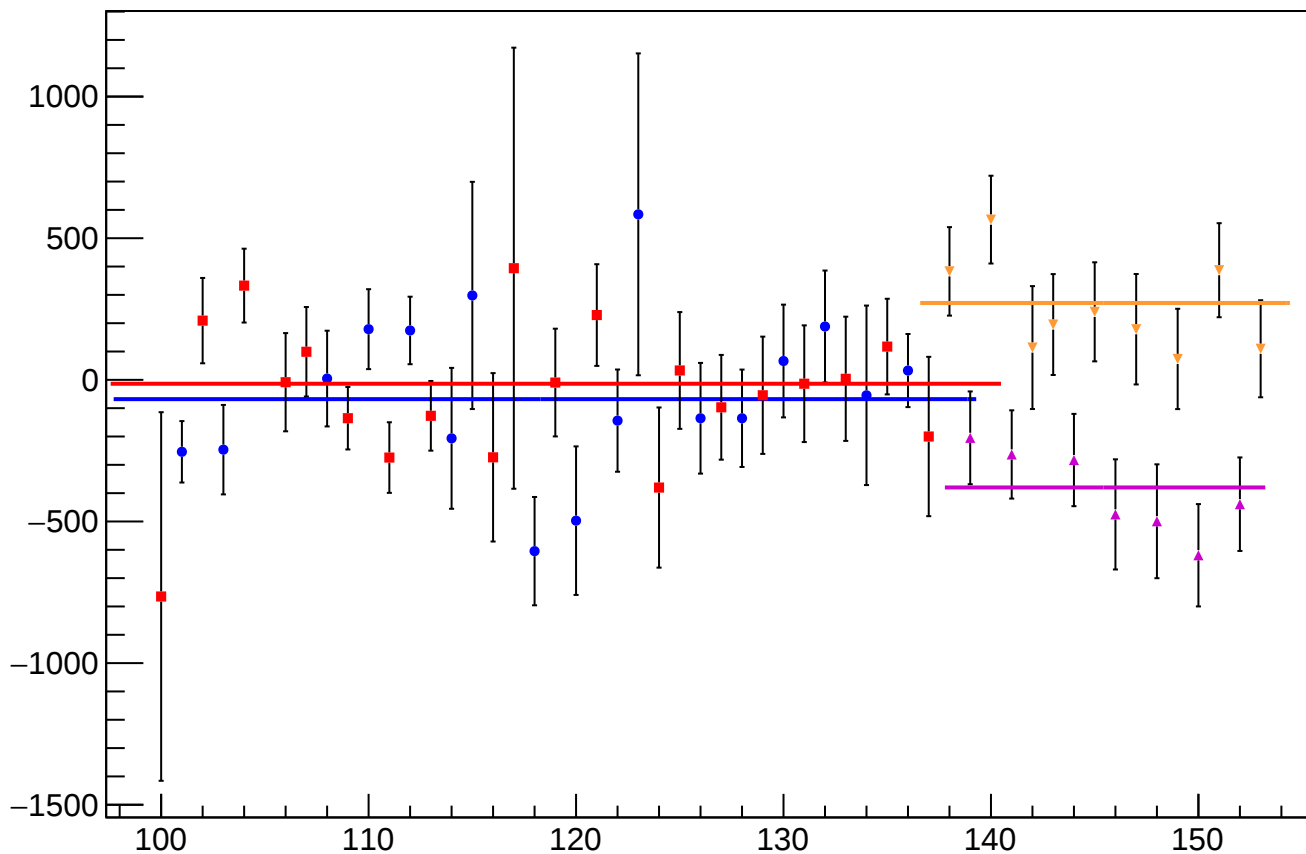
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 971.040+/-0.290 χ^2/NDF : 156924.0/6

964.956+/-0.269 χ^2/NDF : 177117.1/8

971.040+/-0.290 χ^2/NDF : 156924.0/6

reg_asym_sam6_mean vs Slug



Right In: -68.111+/-42.265 χ^2/NDF : 27.8/16

Left Out: 271.416+/-58.056 χ^2/NDF : 7.7/8

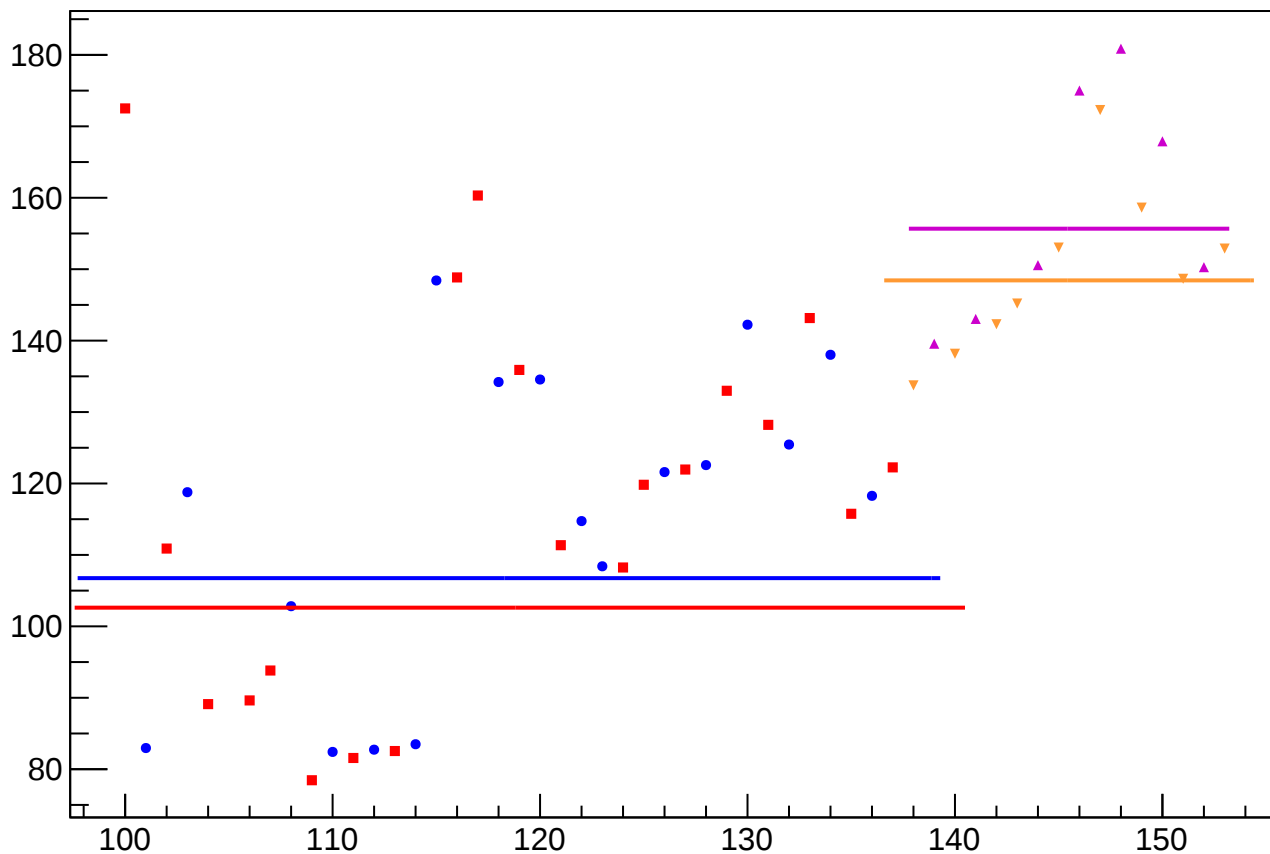
Right Out: -13.752+/-39.416 χ^2/NDF : 23.4/19

Left In: -379.879+/-65.277 χ^2/NDF : 4.5/6

49.504+/-34.169 χ^2/NDF : 57.9/25

-111.577+/-33.742 χ^2/NDF : 51.0/26

reg_asym_sam6_rms vs Slug



Right In: 106.749+/-0.030 χ^2/NDF : 501742.8/16

Left Out: 148.433+/-0.041 χ^2/NDF : 68043.0/8

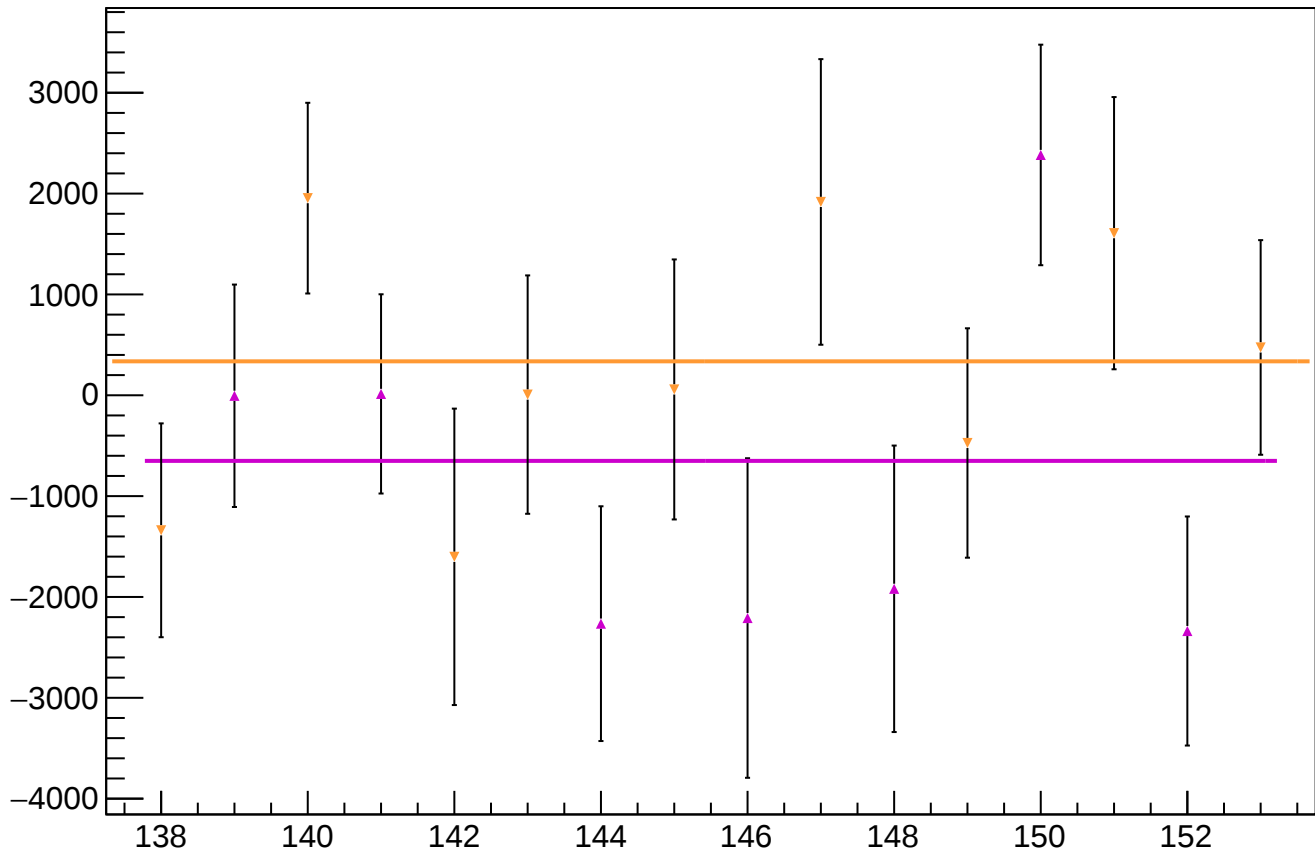
Right Out: 102.615+/-0.028 χ^2/NDF : 600357.6/19

Left In: 155.671+/-0.046 χ^2/NDF : 96958.8/6

121.189+/-0.024 χ^2/NDF : 1243662.3/25

116.791+/-0.024 χ^2/NDF : 1665532.8/26

asym_sam6_correction_mean vs Slug



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

Left Out: 336.576+/-392.459 χ^2/NDF : 9.9/8

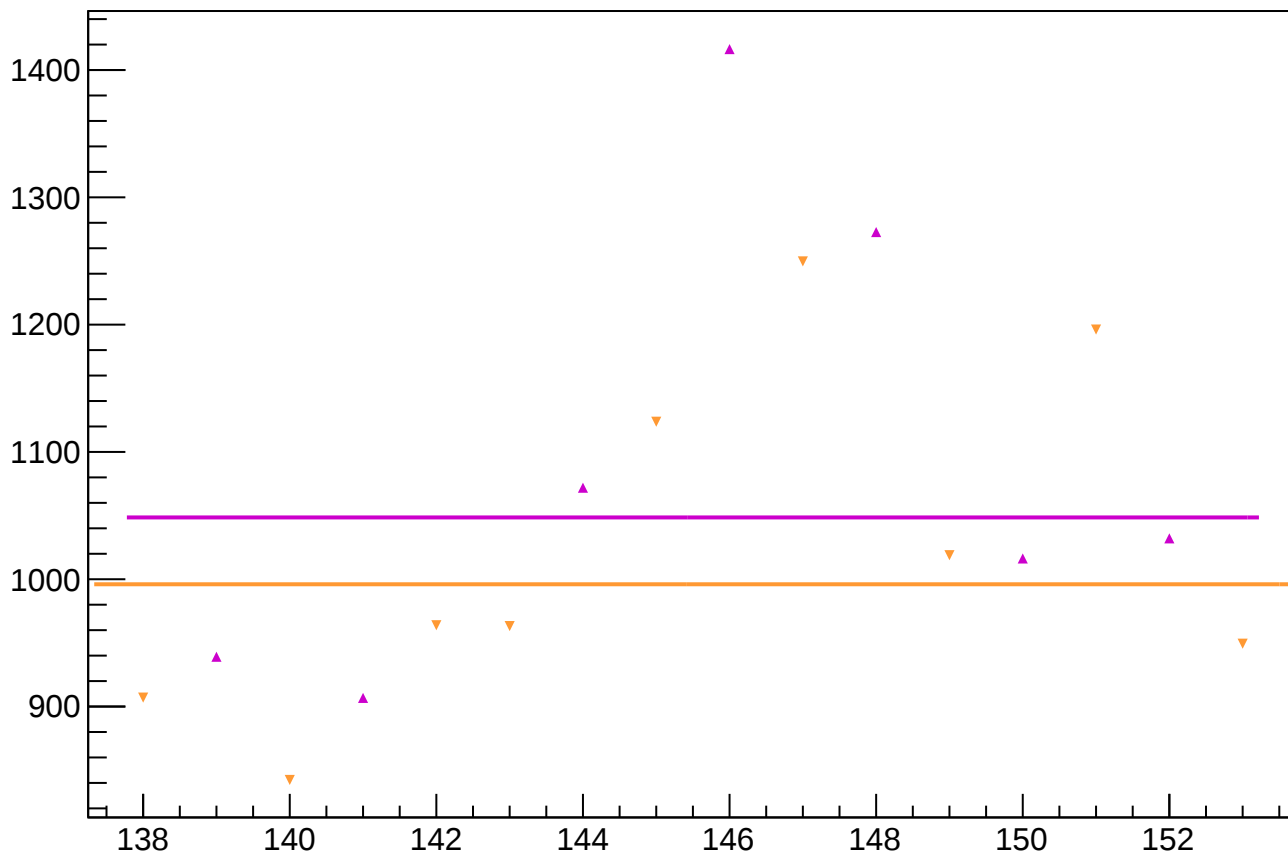
336.576+/-392.459 χ^2/NDF : 9.9/8

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

-650.598+/-443.218 χ^2/NDF : 14.4/6

Left In: -650.598+/-443.218 χ^2/NDF : 14.4/6

asym_sam6_correction_rms vs Slug



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

Left Out: 996.046+/-0.278 χ^2/NDF : 201854.2/8

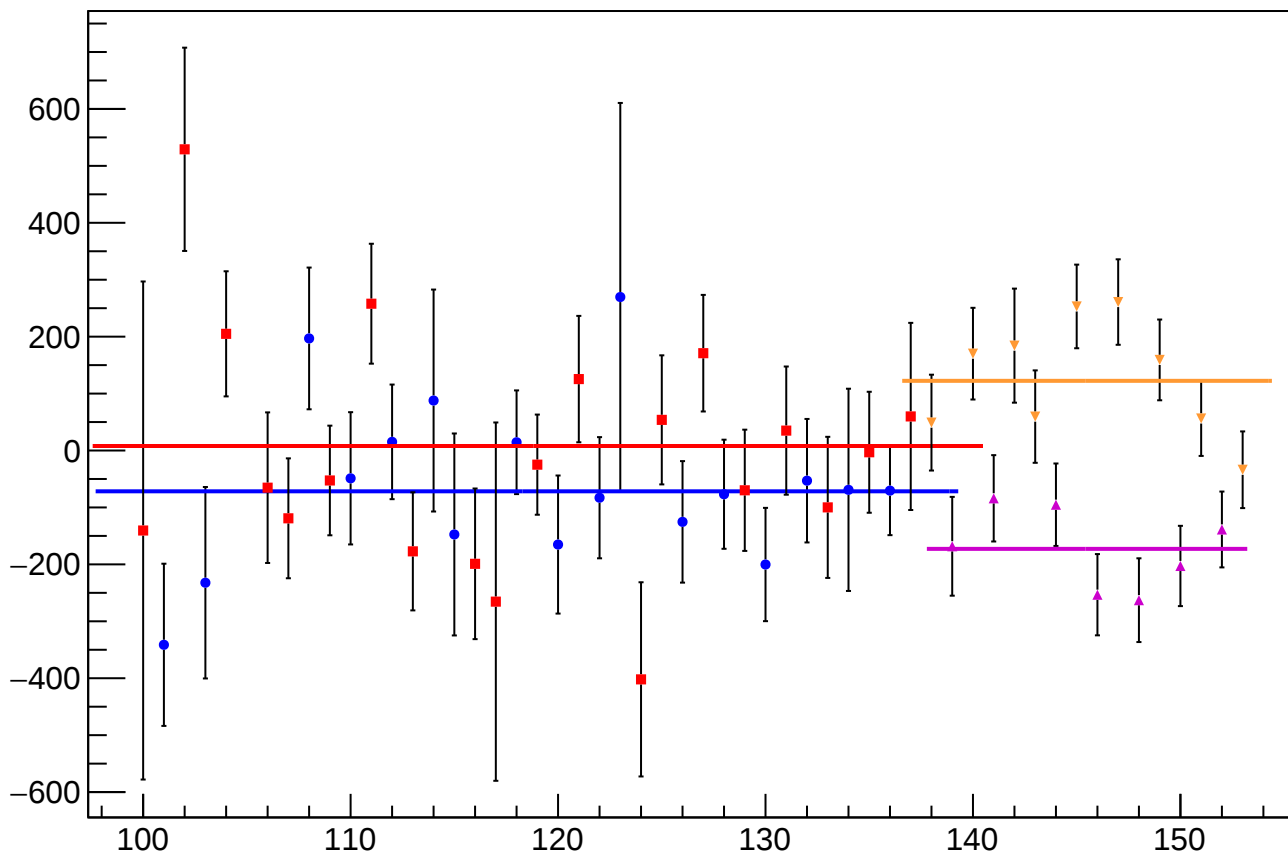
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1048.546+/-0.313 χ^2/NDF : 221484.8/6

996.046+/-0.278 χ^2/NDF : 201854.2/8

1048.546+/-0.313 χ^2/NDF : 221484.8/6

reg_asym_sam7_mean vs Slug



Right In: -71.669 ± 28.358 χ^2/NDF : 15.2/16

Left Out: 122.399 ± 25.320 χ^2/NDF : 15.3/8

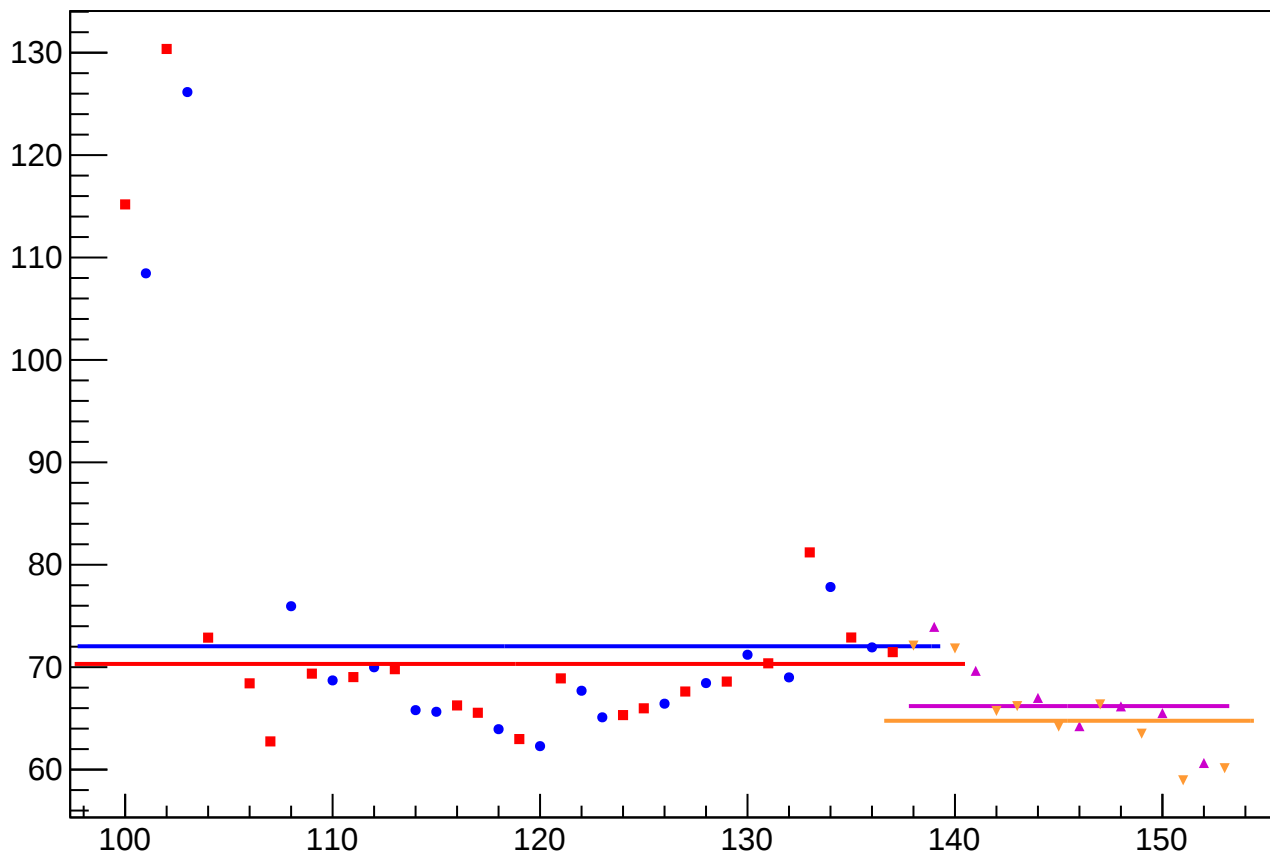
Right Out: 7.933 ± 26.719 χ^2/NDF : 37.2/19

Left In: -172.764 ± 27.681 χ^2/NDF : 5.7/6

36.314 ± 18.887 χ^2/NDF : 56.6/25

-79.221 ± 19.224 χ^2/NDF : 65.0/26

reg_asym_sam7_rms vs Slug



Right In: 72.042 ± 0.020 χ^2/NDF : 391971.7/16

Left Out: 64.767 ± 0.018 χ^2/NDF : 58125.9/8

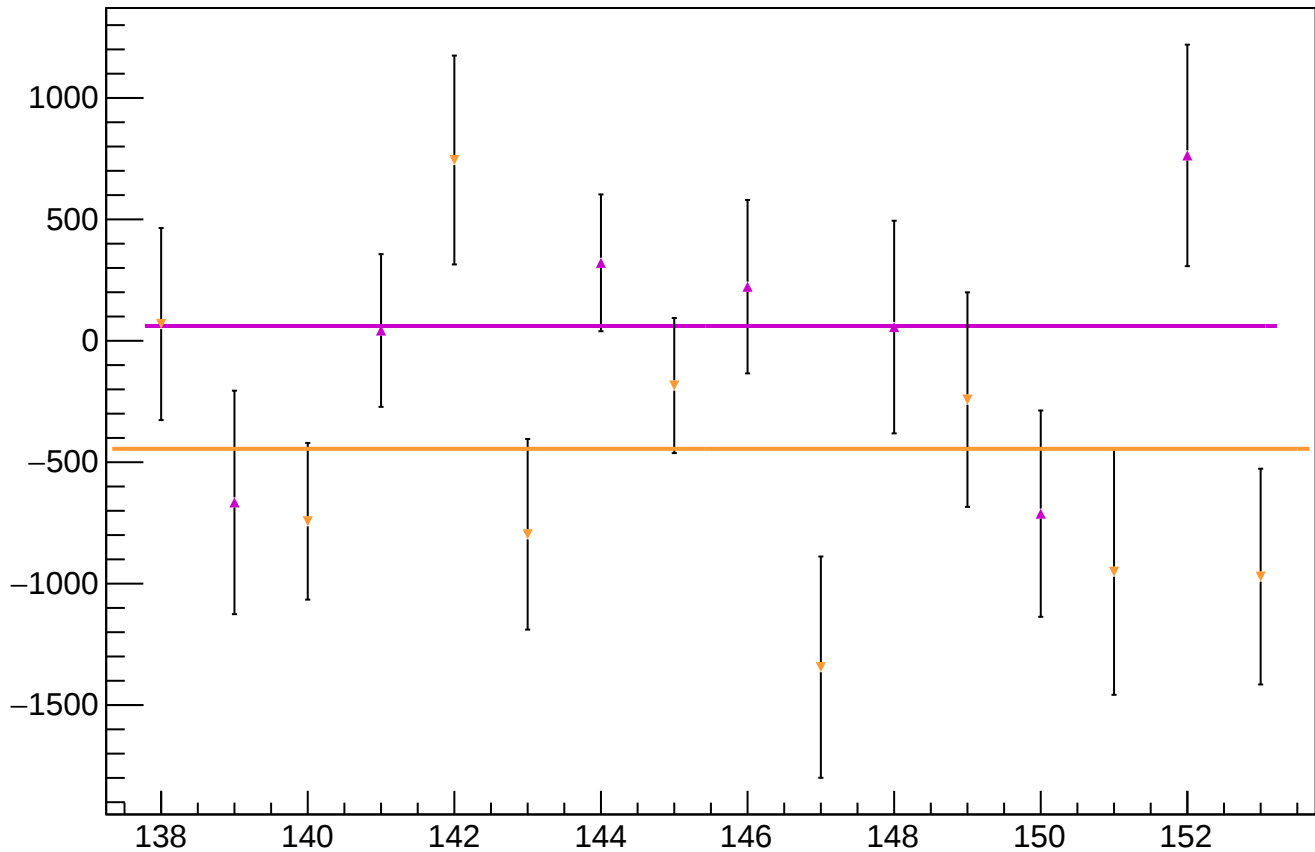
Right Out: 70.316 ± 0.019 χ^2/NDF : 299468.0/19

Left In: 66.200 ± 0.020 χ^2/NDF : 35873.1/6

67.994 ± 0.013 χ^2/NDF : 523349.7/25

68.331 ± 0.014 χ^2/NDF : 358231.3/26

asym_sam7_correction_mean vs Slug



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

Left Out: -444.713 $\pm$ 129.401 χ^2 /NDF:18.4/8

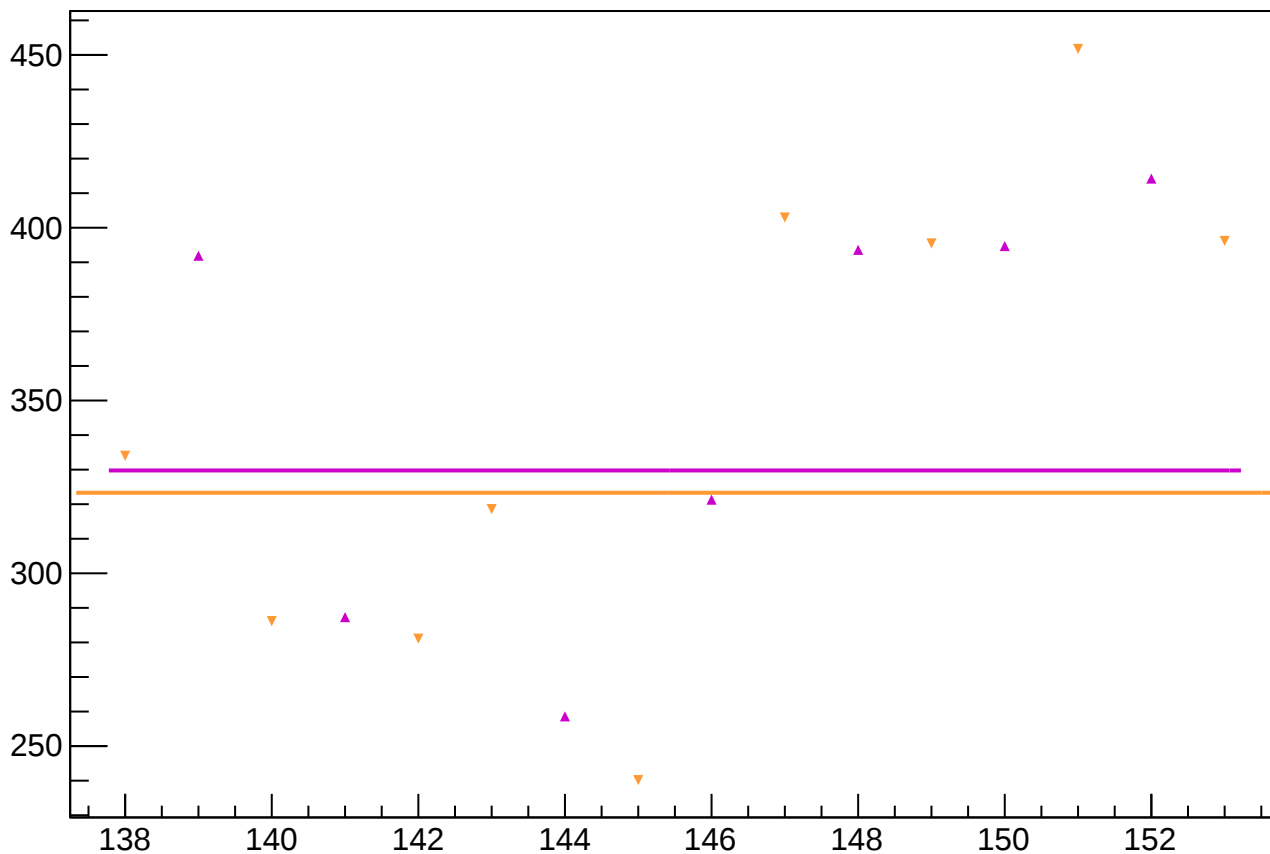
-444.713 $\pm$ 129.401 χ^2 /NDF: 18.4/8

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

61.056 $\pm$ 140.233 χ^2 /NDF: 9.2/6

Left In: 61.056 $\pm$ 140.233 χ^2 /NDF:9.2/6

asym_sam7_correction_rms vs Slug



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

Left Out: 323.309+/-0.092 χ^2/NDF : 522850.6/8

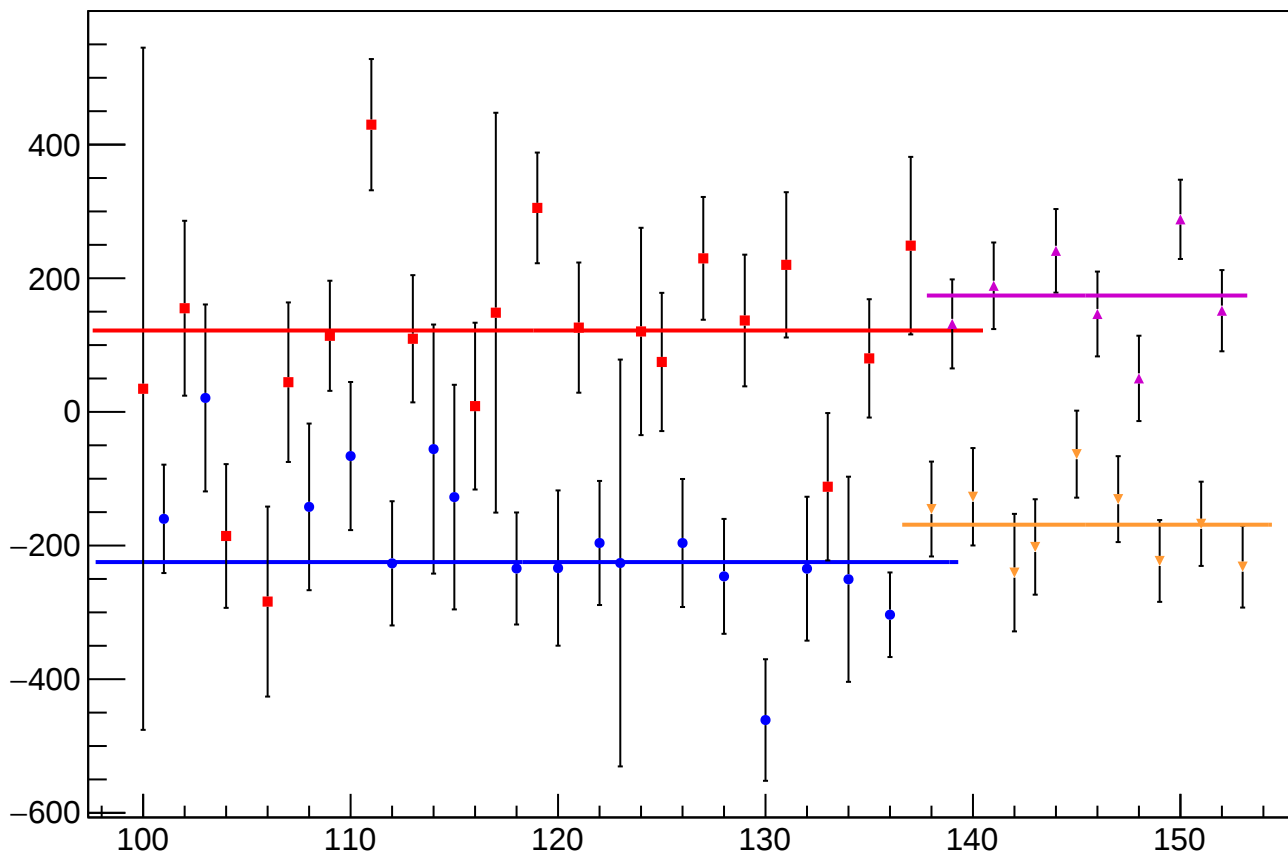
323.309+/-0.092 χ^2/NDF : 522850.6/8

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

329.761+/-0.099 χ^2/NDF : 359510.4/6

Left In: 329.761+/-0.099 χ^2/NDF : 359510.4/6

reg_asym_sam8_mean vs Slug



Right In: -224.727 $\pm$ 24.880 χ^2 /NDF: 16.0/16

Left Out: -168.796 $\pm$ 22.501 χ^2 /NDF: 6.1/8

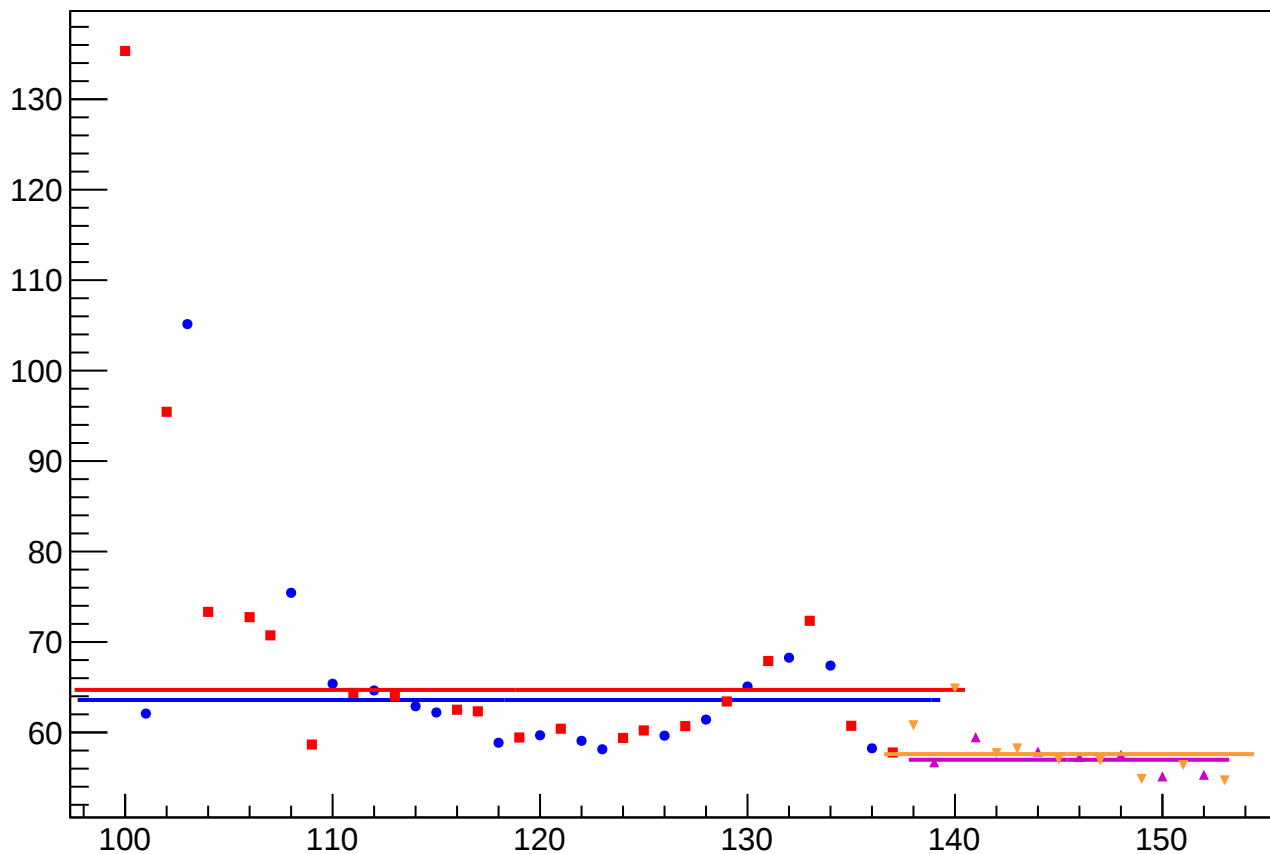
Right Out: 121.814 $\pm$ 24.516 χ^2 /NDF: 40.5/19

Left In: 174.146 $\pm$ 23.785 χ^2 /NDF: 9.4/6

-193.960 $\pm$ 16.689 χ^2 /NDF: 24.9/25

148.772 $\pm$ 17.071 χ^2 /NDF: 52.2/26

reg_asym_sam8_rms vs Slug



Right In: 63.589+/-0.018 χ^2/NDF : 234601.0/16

Left Out: 57.607+/-0.016 χ^2/NDF : 33667.2/8

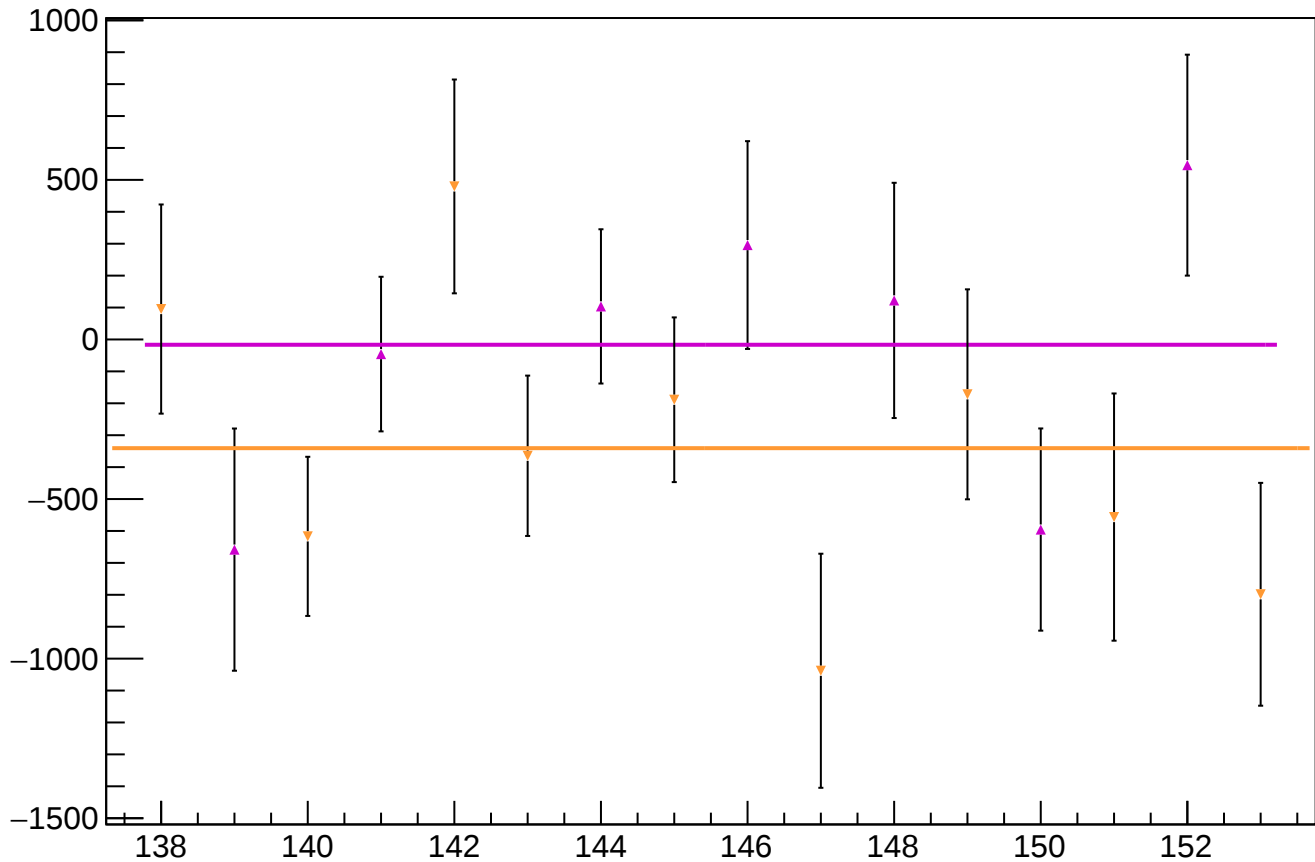
Right Out: 64.704+/-0.017 χ^2/NDF : 227632.6/19

Left In: 56.979+/-0.017 χ^2/NDF : 7023.3/6

60.298+/-0.012 χ^2/NDF : 331870.7/25

60.725+/-0.012 χ^2/NDF : 336948.7/26

asym_sam8_correction_mean vs Slug



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

Left Out: -340.605+/-101.676 χ^2/NDF : 15.3/8

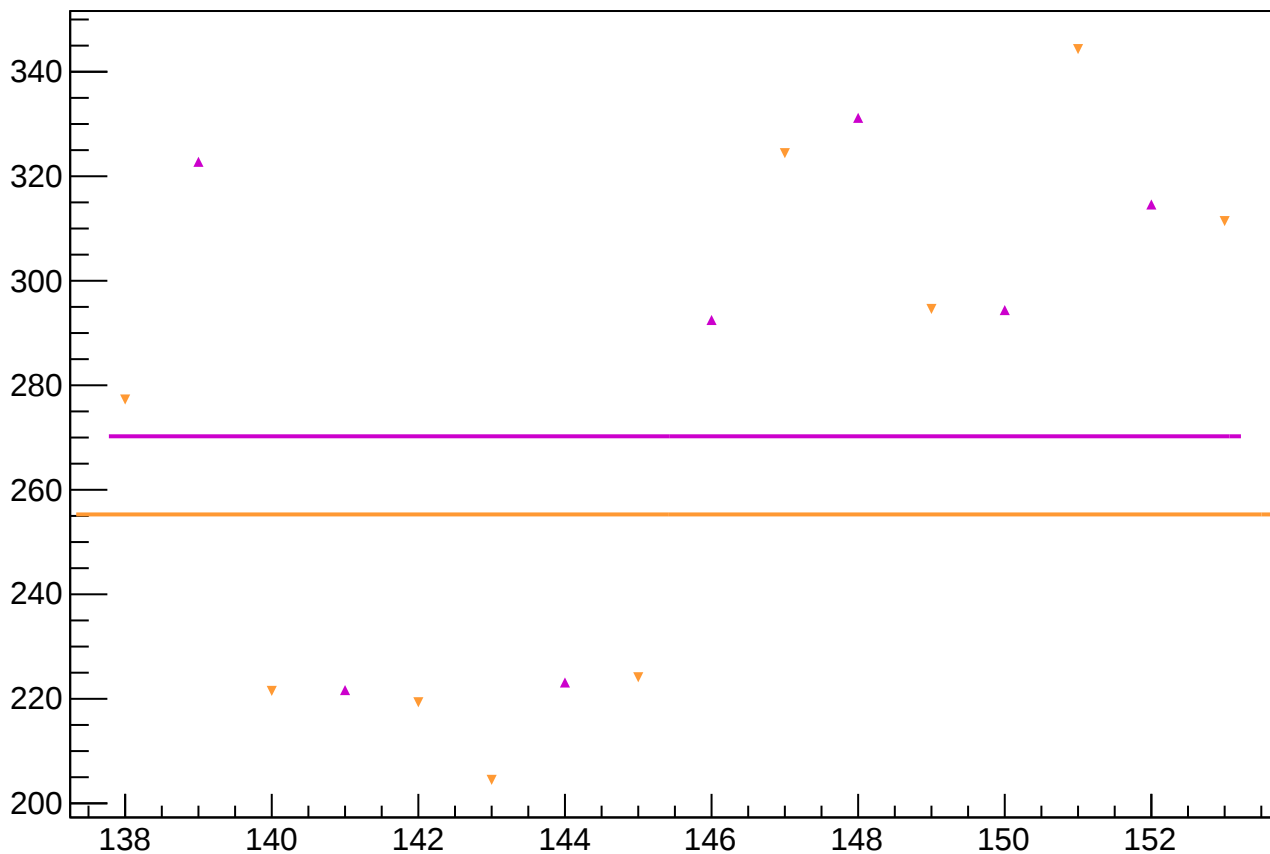
-340.605+/-101.676 χ^2/NDF : 15.3/8

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

-16.609+/-114.534 χ^2/NDF : 10.2/6

Left In: -16.609+/-114.534 χ^2/NDF : 10.2/6

asym_sam8_correction_rms vs Slug



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

Left Out: 255.286+/-0.072 χ^2/NDF : 436782.1/8

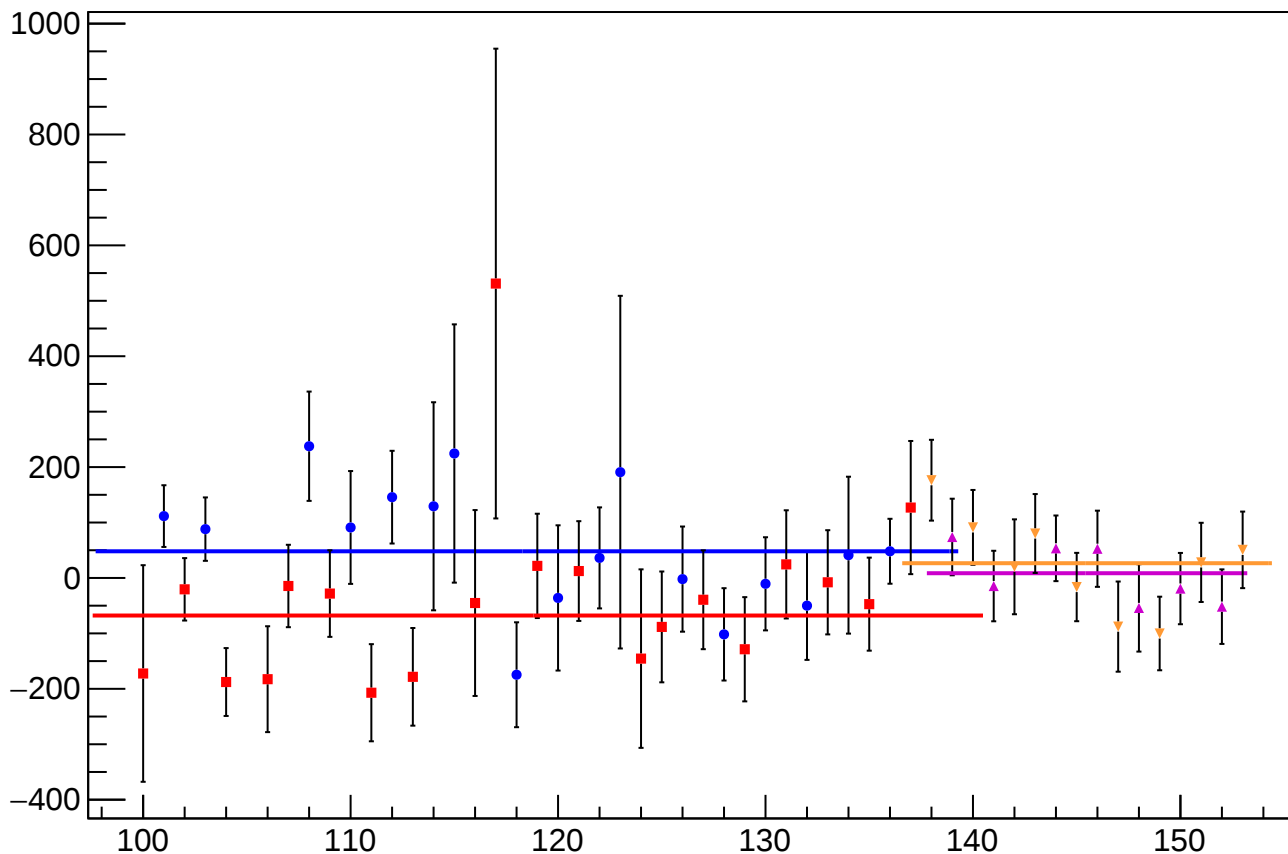
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 270.239+/-0.081 χ^2/NDF : 303301.9/6

255.286+/-0.072 χ^2/NDF : 436782.1/8

270.239+/-0.081 χ^2/NDF : 303301.9/6

reg_asym_sam_15_avg_mean vs Slug



Right In: 48.109+/-21.510 χ^2/NDF : 19.0/16

Left Out: 26.615+/-23.645 χ^2/NDF : 11.9/8

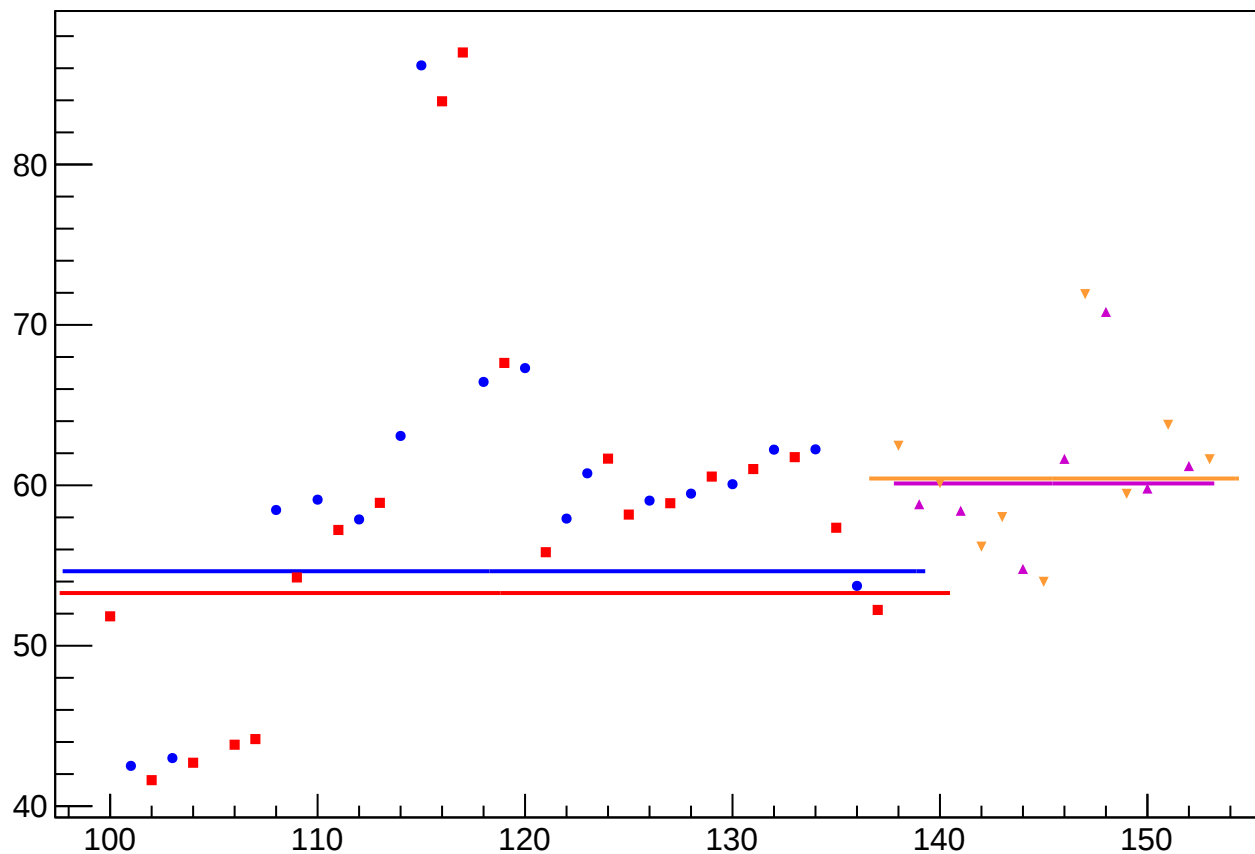
Right Out: -67.767+/-20.383 χ^2/NDF : 19.7/19

Left In: 8.552+/-25.173 χ^2/NDF : 3.6/6

38.376+/-15.911 χ^2/NDF : 31.4/25

-37.543+/-15.841 χ^2/NDF : 28.8/26

reg_asym_sam_15_avg_rms vs Slug



Right In: 54.645 ± 0.015 χ^2/NDF : 319300.2/16

Left Out: 60.424 ± 0.017 χ^2/NDF : 75985.3/8

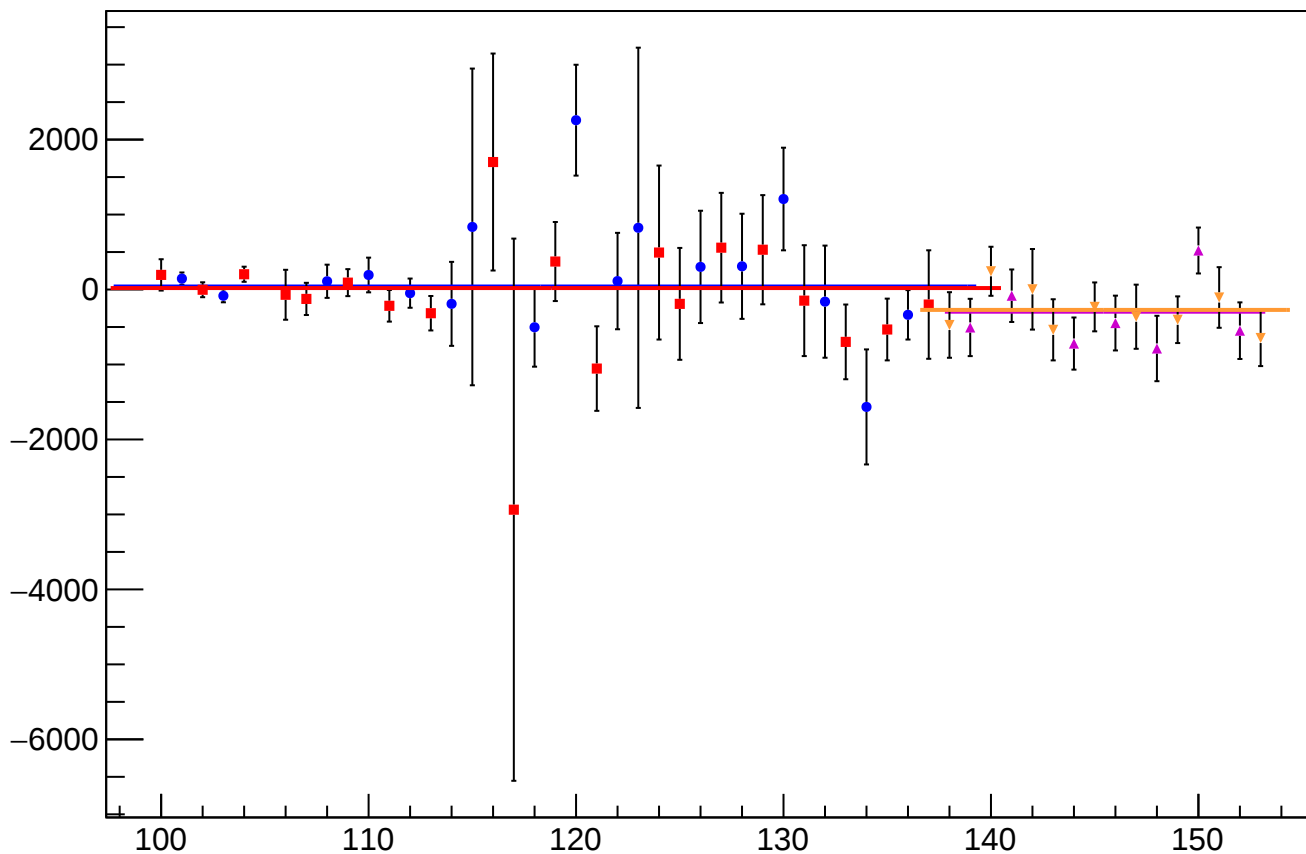
Right Out: 53.285 ± 0.014 χ^2/NDF : 398973.0/19

Left In: 60.116 ± 0.018 χ^2/NDF : 56775.2/6

57.262 ± 0.011 χ^2/NDF : 460662.2/25

55.990 ± 0.011 χ^2/NDF : 544701.9/26

asym_sam_15_avg_correction_mean vs Slug



Right In: 40.207 ± 51.542 χ^2/NDF : 23.9/16

Left Out: -271.834 ± 126.517 χ^2/NDF : 4.8/8

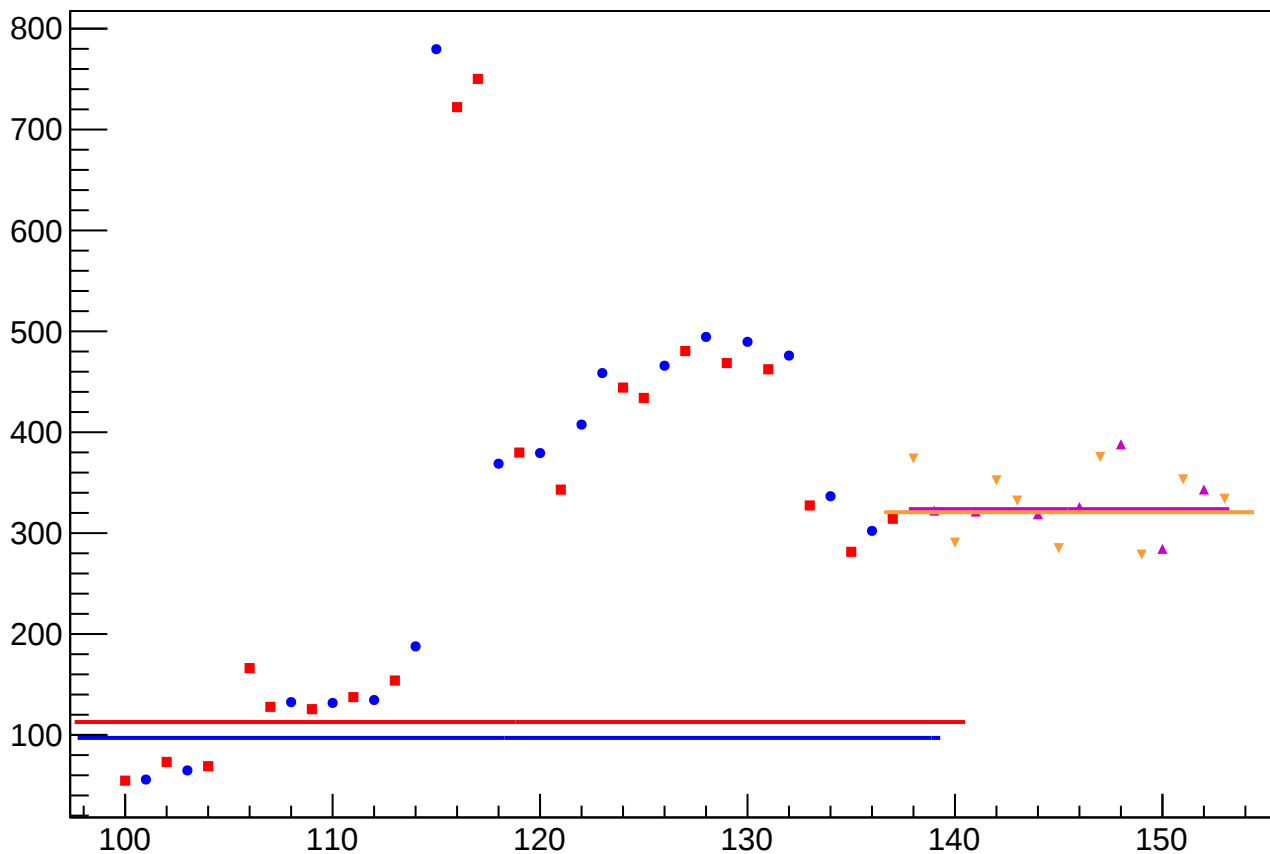
Right Out: 19.590 ± 53.268 χ^2/NDF : 19.6/19

Left In: -295.770 ± 136.462 χ^2/NDF : 11.2/6

-4.211 ± 47.733 χ^2/NDF : 33.9/25

-22.109 ± 49.622 χ^2/NDF : 35.4/26

asym_sam_15_avg_correction_rms vs Slug



Right In: 97.039+/-0.036 χ^2/NDF : 5819709.2/16

Left Out: 320.754+/-0.089 χ^2/NDF : 163687.5/8

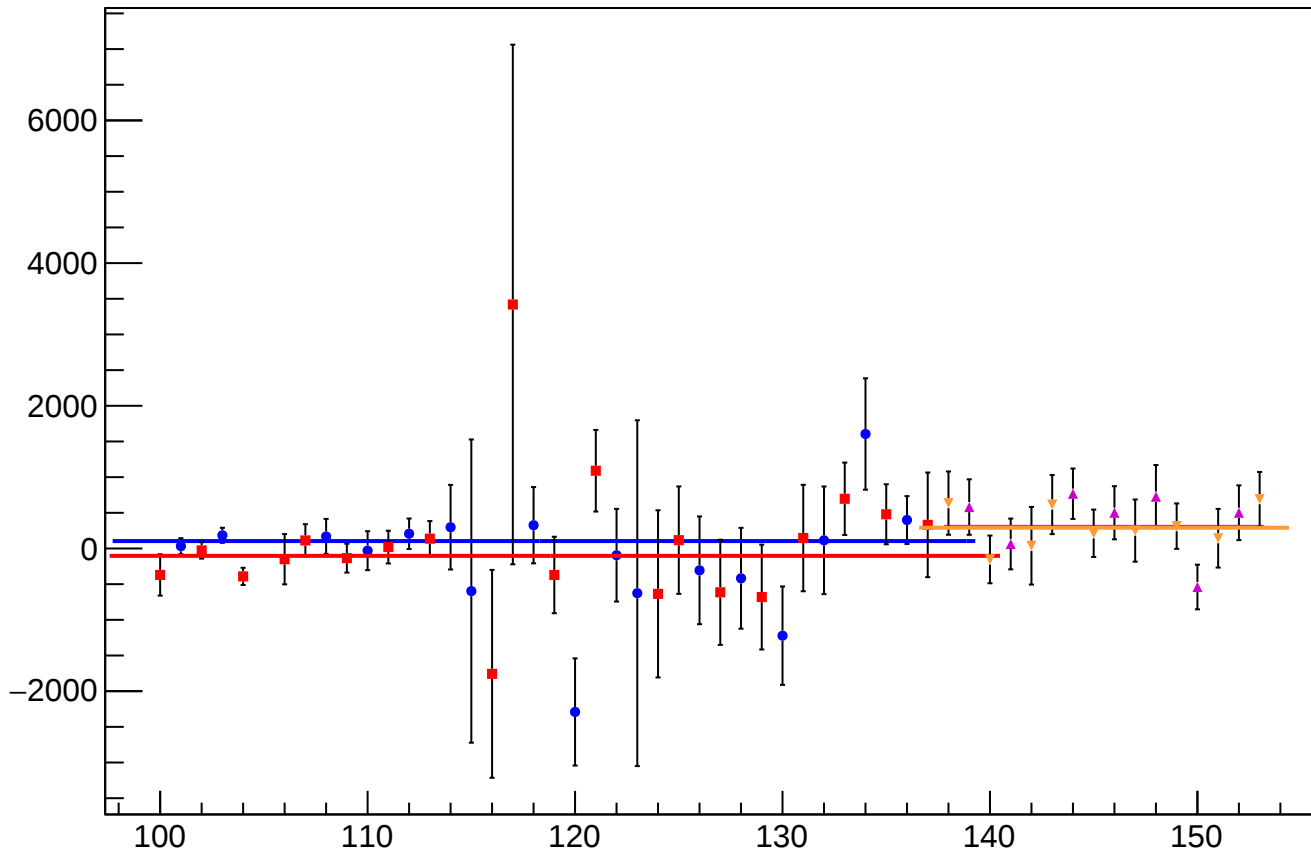
Right Out: 112.792+/-0.038 χ^2/NDF : 5098459.2/19

Left In: 323.774+/-0.096 χ^2/NDF : 82333.3/6

128.884+/-0.034 χ^2/NDF : 11346771.2/25

140.689+/-0.035 χ^2/NDF : 9329405.0/26

asym_sam_15_avg_mean vs Slug



Right In: 104.001 ± 63.156 χ^2/NDF : 21.3/16

Left Out: 291.098 ± 128.830 χ^2/NDF : 4.5/8

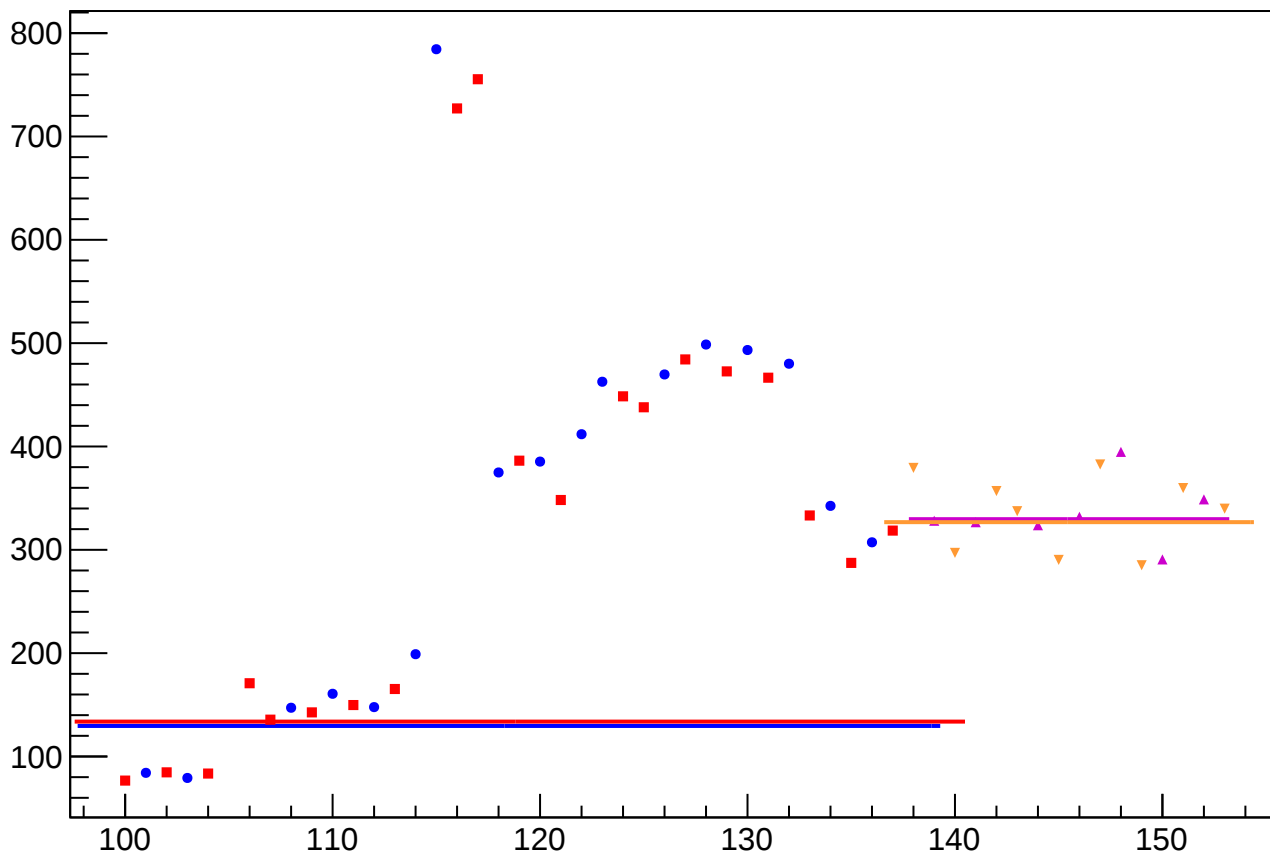
Right Out: -103.156 ± 60.849 χ^2/NDF : 22.3/19

Left In: 302.945 ± 138.885 χ^2/NDF : 11.4/6

140.253 ± 56.709 χ^2/NDF : 27.5/25

-37.758 ± 55.734 χ^2/NDF : 40.9/26

asym_sam_15_avg_rms vs Slug



Right In: 129.552+/-0.045 χ^2/NDF : 4772450.4/16

167.767+/-0.040 χ^2/NDF : 8709558.0/25

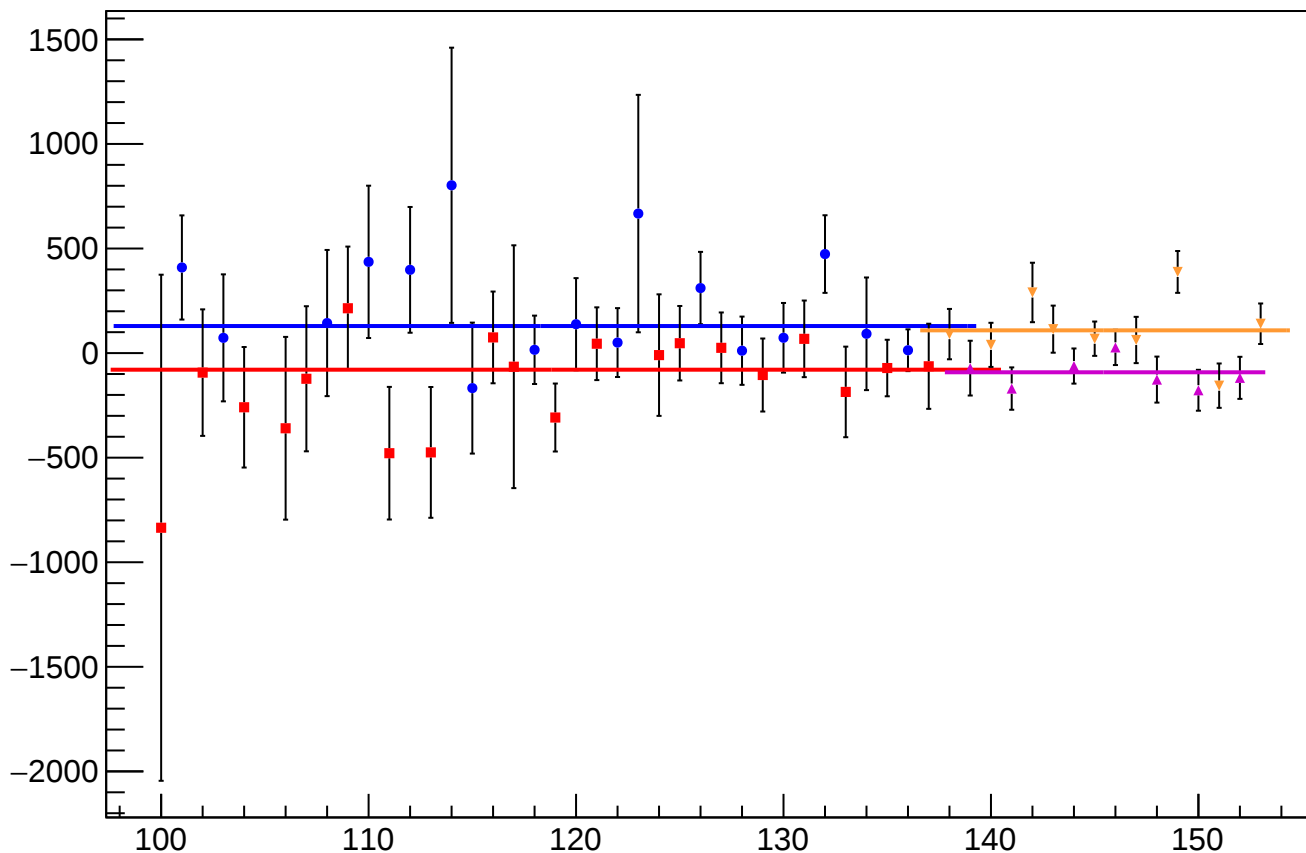
Left Out: 326.781+/-0.091 χ^2/NDF : 157869.1/8

Right Out: 133.766+/-0.043 χ^2/NDF : 4424544.5/19

165.313+/-0.039 χ^2/NDF : 7842688.8/26

Left In: 329.664+/-0.098 χ^2/NDF : 79895.1/6

reg_asym_sam_26_avg_mean vs Slug



Right In: 129.398 $\pm$ 49.122 χ^2 /NDF: 12.9/16

Left Out: 108.743 $\pm$ 35.075 χ^2 /NDF: 16.6/8

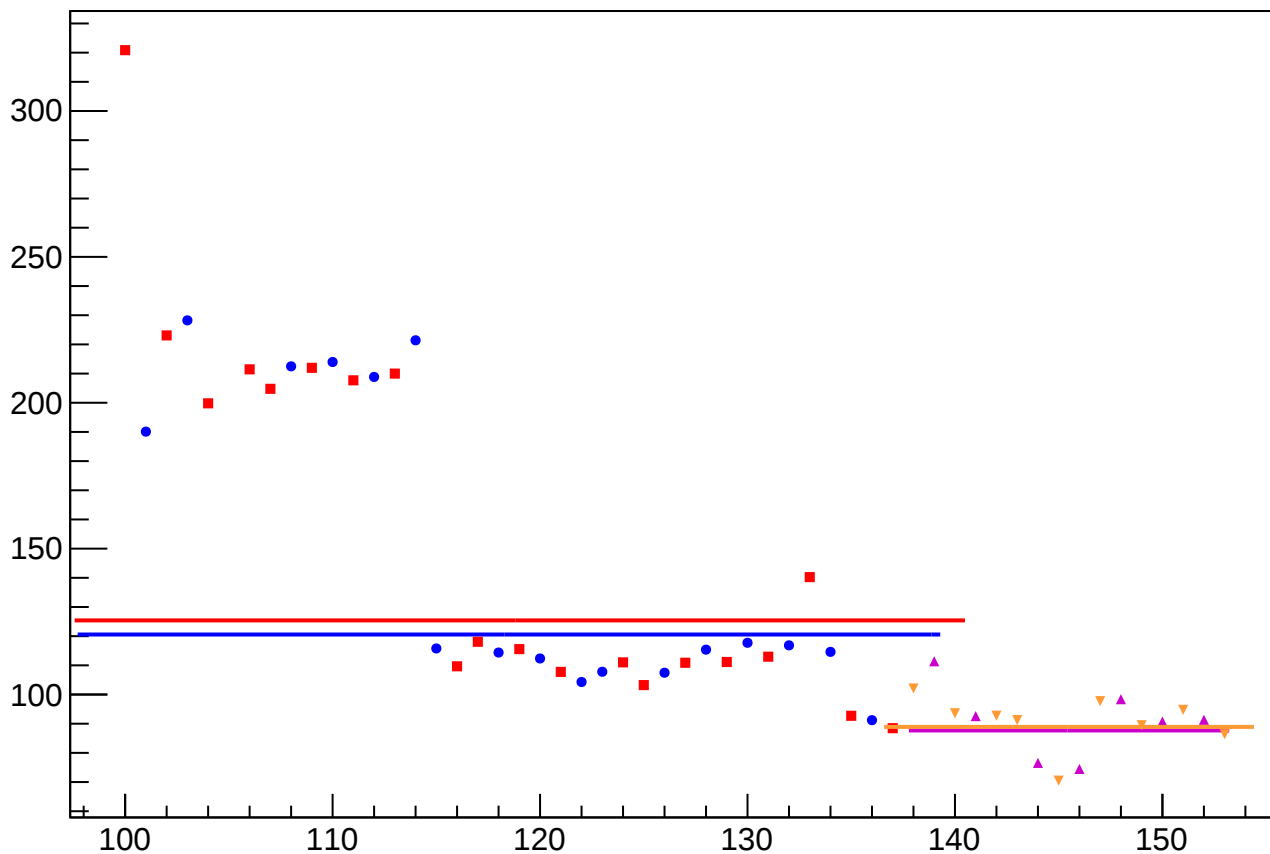
Right Out: -79.378 $\pm$ 49.703 χ^2 /NDF: 10.2/19

Left In: -91.737 $\pm$ 37.159 χ^2 /NDF: 3.7/6

115.718 $\pm$ 28.545 χ^2 /NDF: 29.6/25

-87.305 $\pm$ 29.761 χ^2 /NDF: 13.9/26

reg_asym_sam_26_avg_rms vs Slug



Right In: 120.565 $\pm$ 0.035 χ^2 /NDF: 1112076.4/16

Left Out: 88.901 $\pm$ 0.025 χ^2 /NDF:151029.4/8

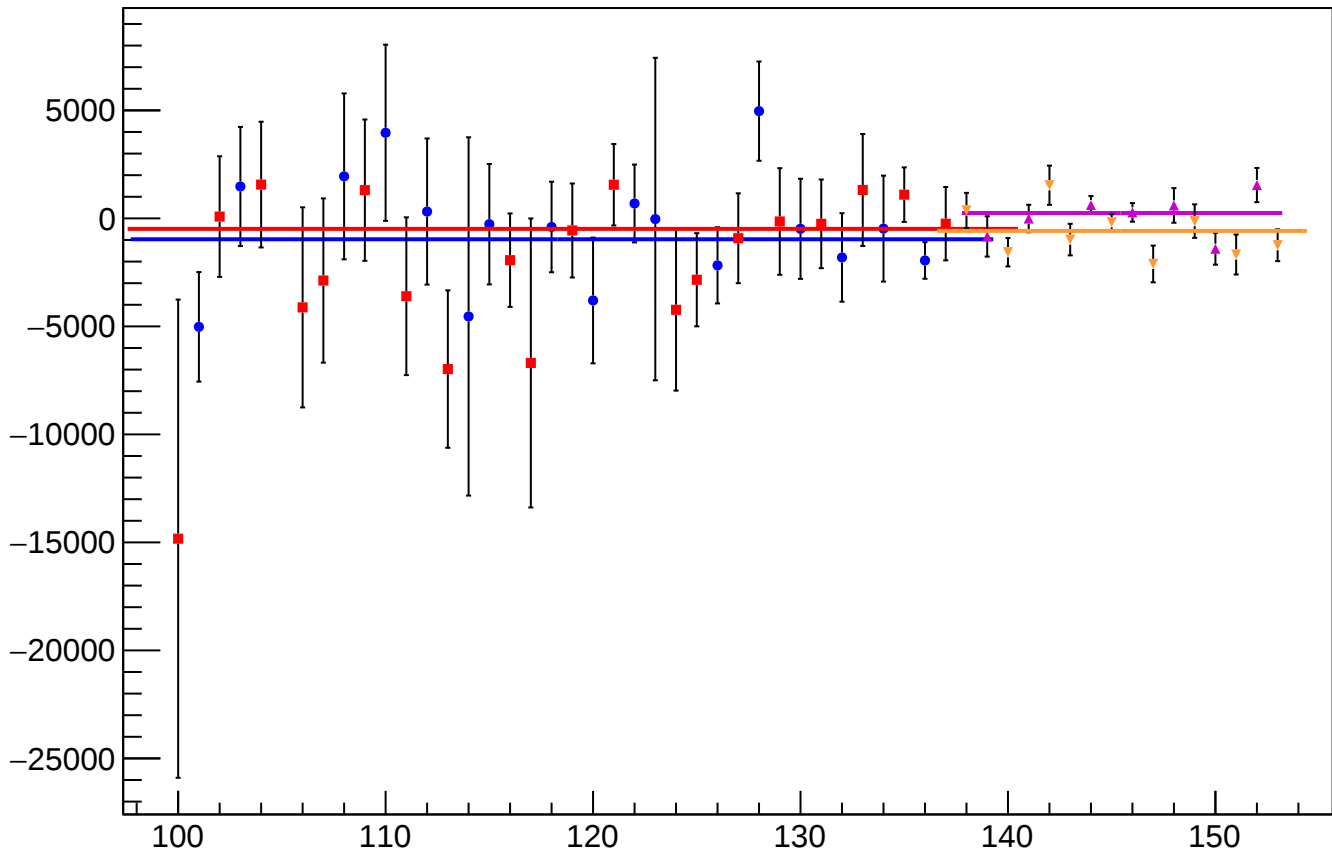
99.594 $\pm$ 0.020 χ^2 /NDF: 1813517.0/25

Right Out: 125.404 $\pm$ 0.035 χ^2 /NDF: 1334075.7/19

101.208 $\pm$ 0.021 χ^2 /NDF: 2250811.9/26

Left In: 87.683 $\pm$ 0.026 χ^2 /NDF:177784.1/6

asym_sam_26_avg_correction_mean vs Slug



Right In: -966.587 ± 512.340 χ^2/NDF : 16.4/16

Left Out: -579.192 ± 222.358 χ^2/NDF : 16.3/8

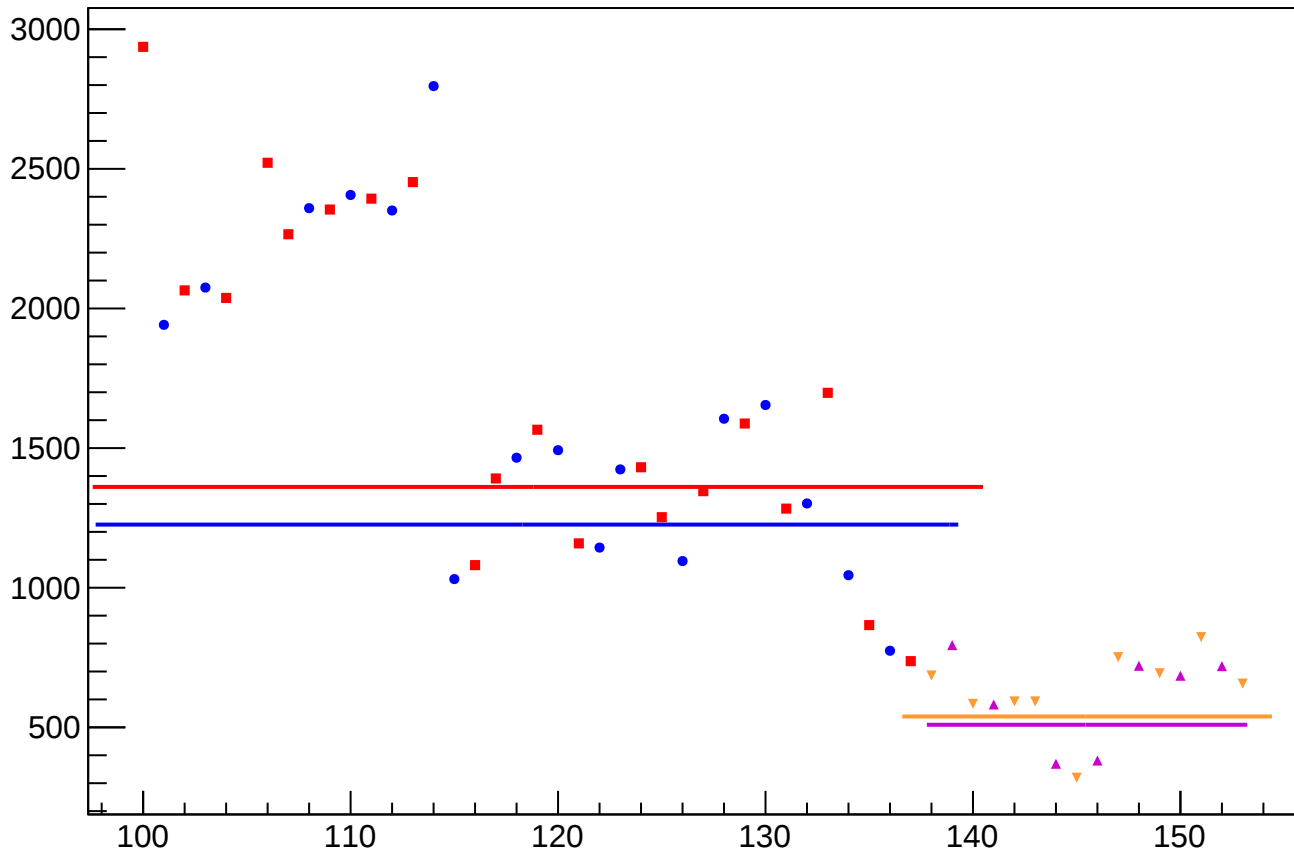
Right Out: -485.654 ± 543.567 χ^2/NDF : 14.3/19

Left In: 247.870 ± 225.108 χ^2/NDF : 10.2/6

-640.596 ± 203.976 χ^2/NDF : 33.1/25

140.484 ± 207.979 χ^2/NDF : 26.0/26

asym_sam_26_avg_correction_rms vs Slug



Right In: 1226.135 $\pm$ 0.362 χ^2 /NDF: 1756323.1/16

Left Out: 538.903 $\pm$ 0.157 χ^2 /NDF:1235630.0/8

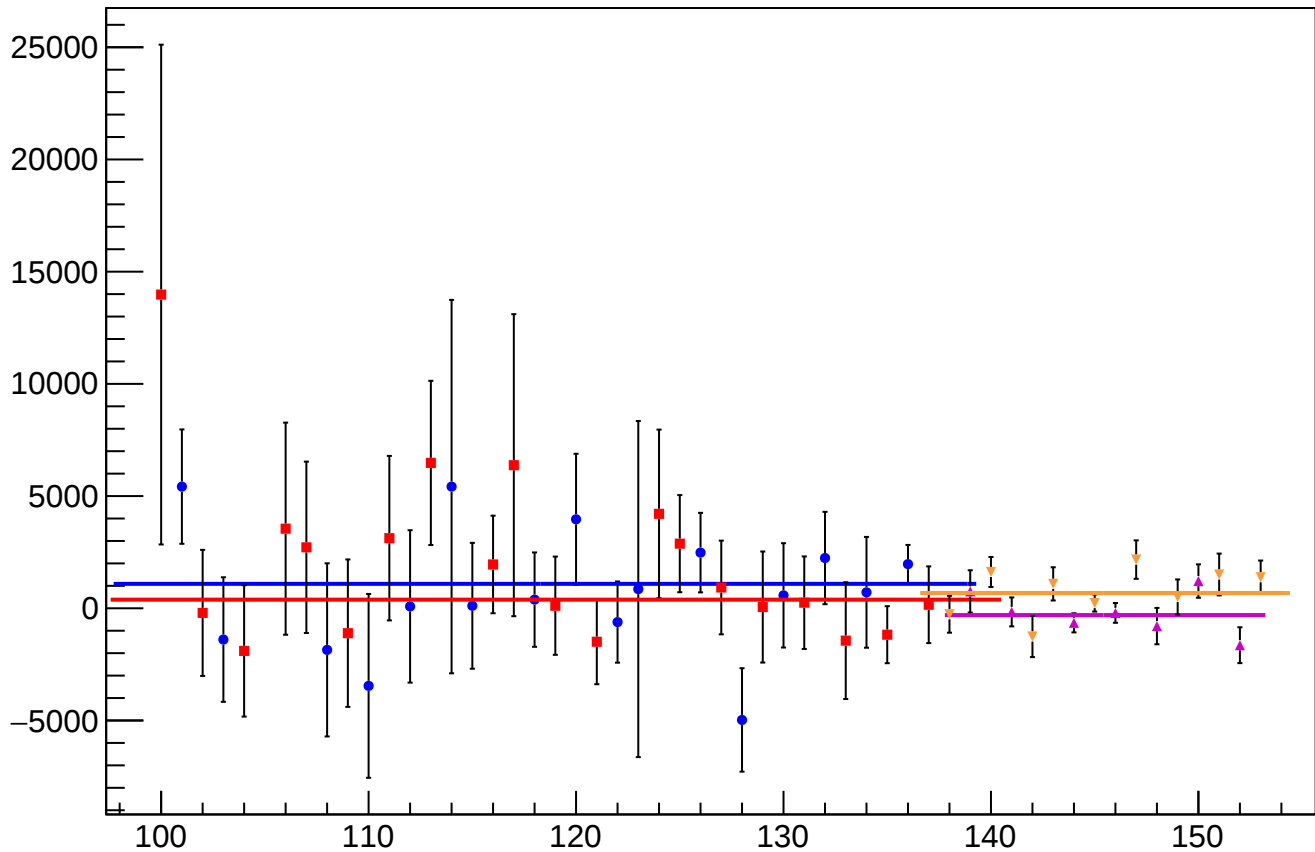
647.832 $\pm$ 0.144 χ^2 /NDF: 6020062.5/25

Right Out: 1360.972 $\pm$ 0.384 χ^2 /NDF: 1749116.2/19

633.925 $\pm$ 0.147 χ^2 /NDF: 6946841.2/26

Left In: 509.233 $\pm$ 0.159 χ^2 /NDF:1006011.0/6

asym_sam_26_avg_mean vs Slug



Right In: 1089.066+/-515.272 χ^2/NDF : 16.9/16

Left Out: 682.300+/-225.910 χ^2/NDF : 14.2/8

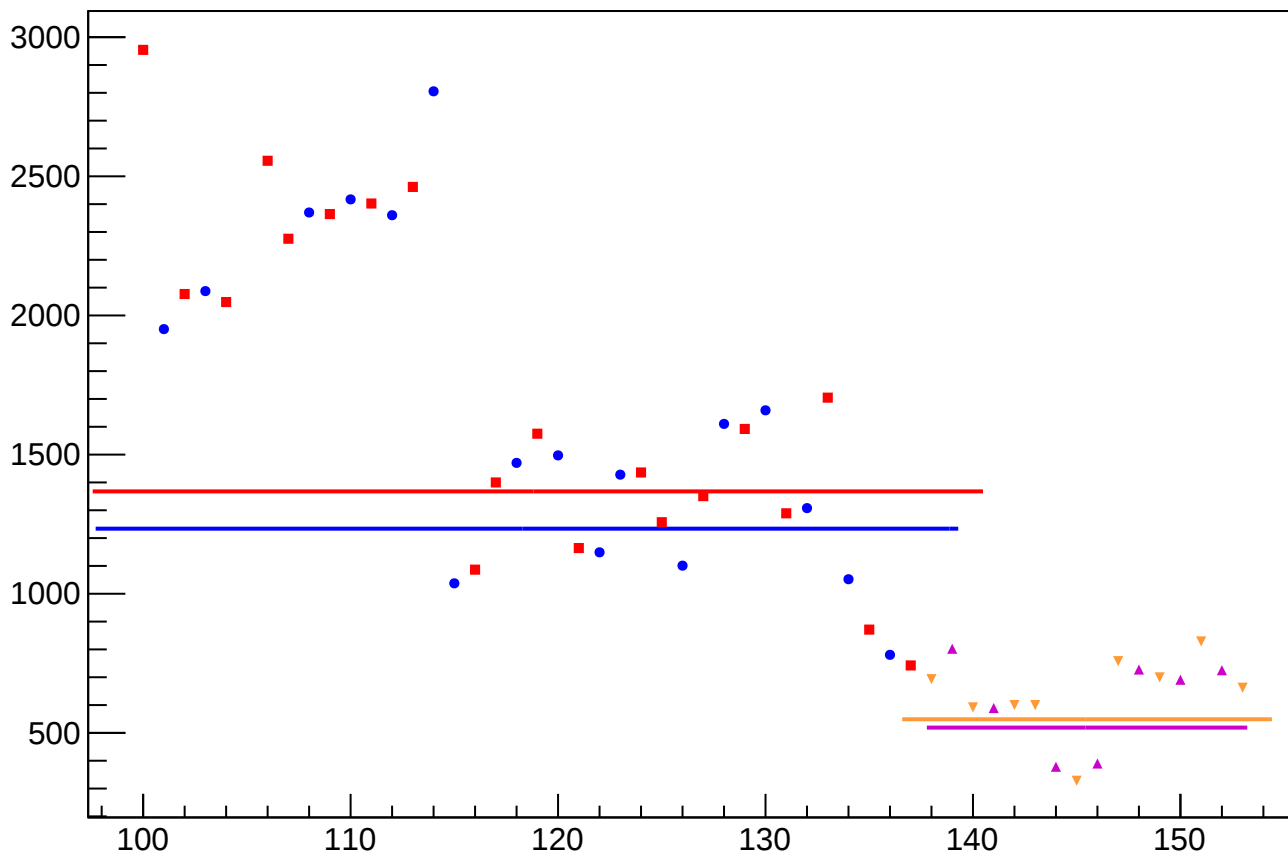
747.882+/-206.898 χ^2/NDF : 31.6/25

Right Out: 385.391+/-546.382 χ^2/NDF : 13.3/19

-199.338+/-211.150 χ^2/NDF : 24.0/26

Left In: -301.996+/-228.937 χ^2/NDF : 9.3/6

asym_sam_26_avg_rms vs Slug



Right In: 1233.863+/-0.364 χ^2/NDF : 1744048.5/16

Left Out: 548.903+/-0.160 χ^2/NDF : 1177806.1/8

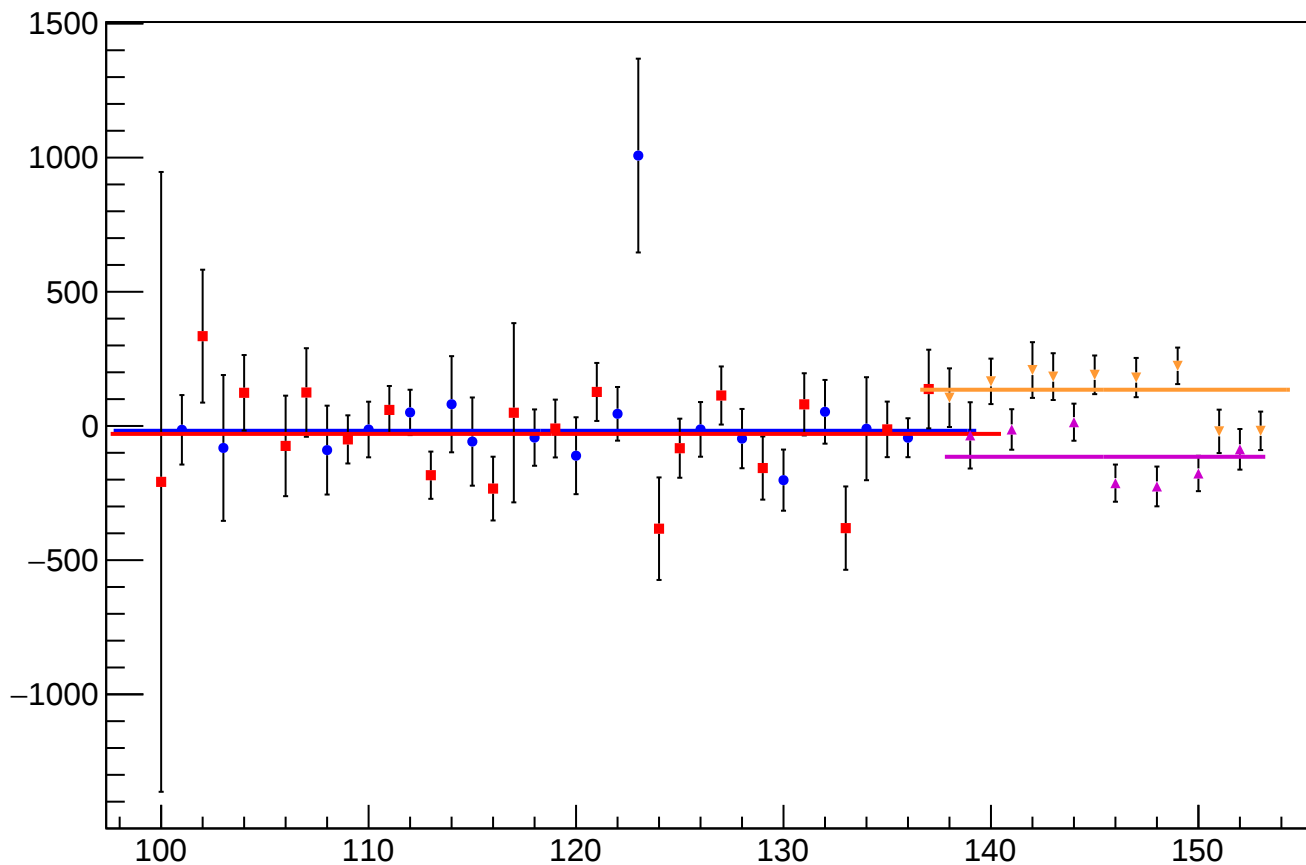
Right Out: 1367.823+/-0.386 χ^2/NDF : 1744640.3/19

Left In: 519.007+/-0.162 χ^2/NDF : 966388.5/6

659.337+/-0.146 χ^2/NDF : 5886215.9/25

645.773+/-0.149 χ^2/NDF : 6817019.5/26

reg_asym_sam_37_avg_mean vs Slug



Right In: -17.972 ± 28.848 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 135.044 ± 26.812 $\chi^2/\text{NDF}: 12.0/8$

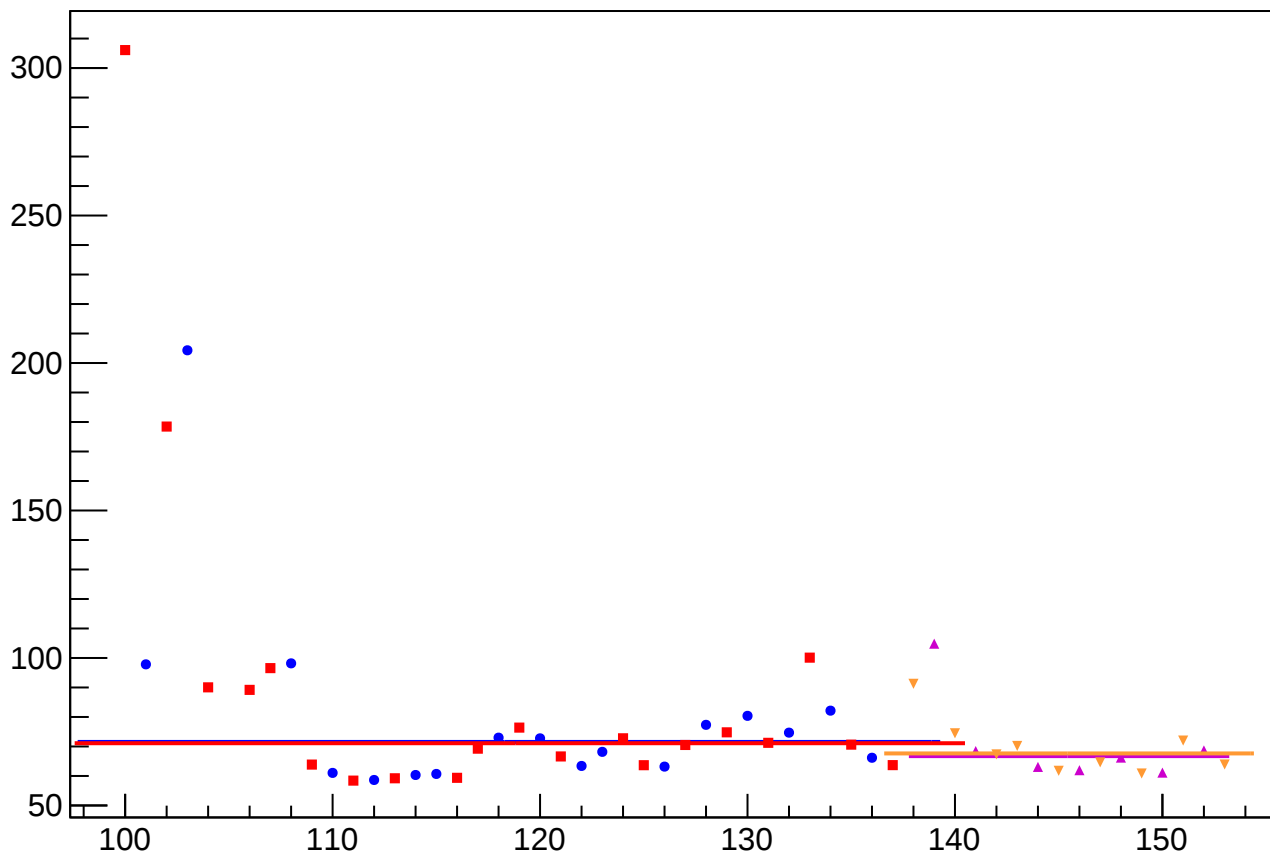
Right Out: -29.517 ± 27.879 $\chi^2/\text{NDF}: 27.5/19$

Left In: -114.829 ± 28.331 $\chi^2/\text{NDF}: 11.0/6$

64.124 ± 19.639 $\chi^2/\text{NDF}: 40.4/25$

-71.487 ± 19.871 $\chi^2/\text{NDF}: 43.0/26$

reg_asym_sam_37_avg_rms vs Slug



Right In: 71.536+/-0.020 χ^2/NDF : 758961.6/16

Left Out: 67.640+/-0.019 χ^2/NDF :156066.8/8

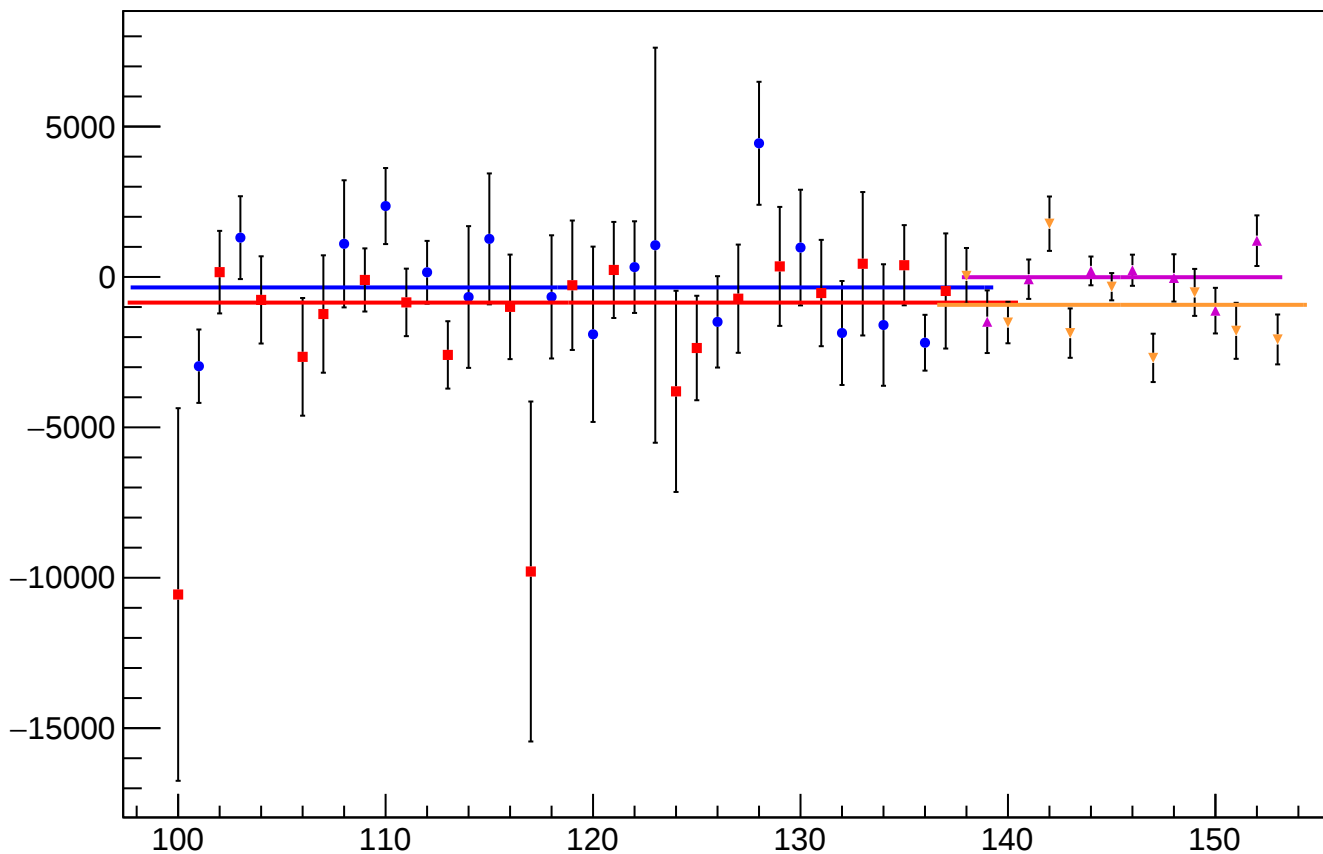
Right Out: 71.102+/-0.020 χ^2/NDF : 765220.8/19

Left In: 66.731+/-0.020 χ^2/NDF :222546.5/6

69.446+/-0.014 χ^2/NDF : 934595.7/25

68.952+/-0.014 χ^2/NDF : 1011957.0/26

asym_sam_37_avg_correction_mean vs Slug



Right In: -347.939+/-381.994 χ^2/NDF : 24.1/16

Left Out: -926.747+/-245.053 χ^2/NDF : 21.7/8

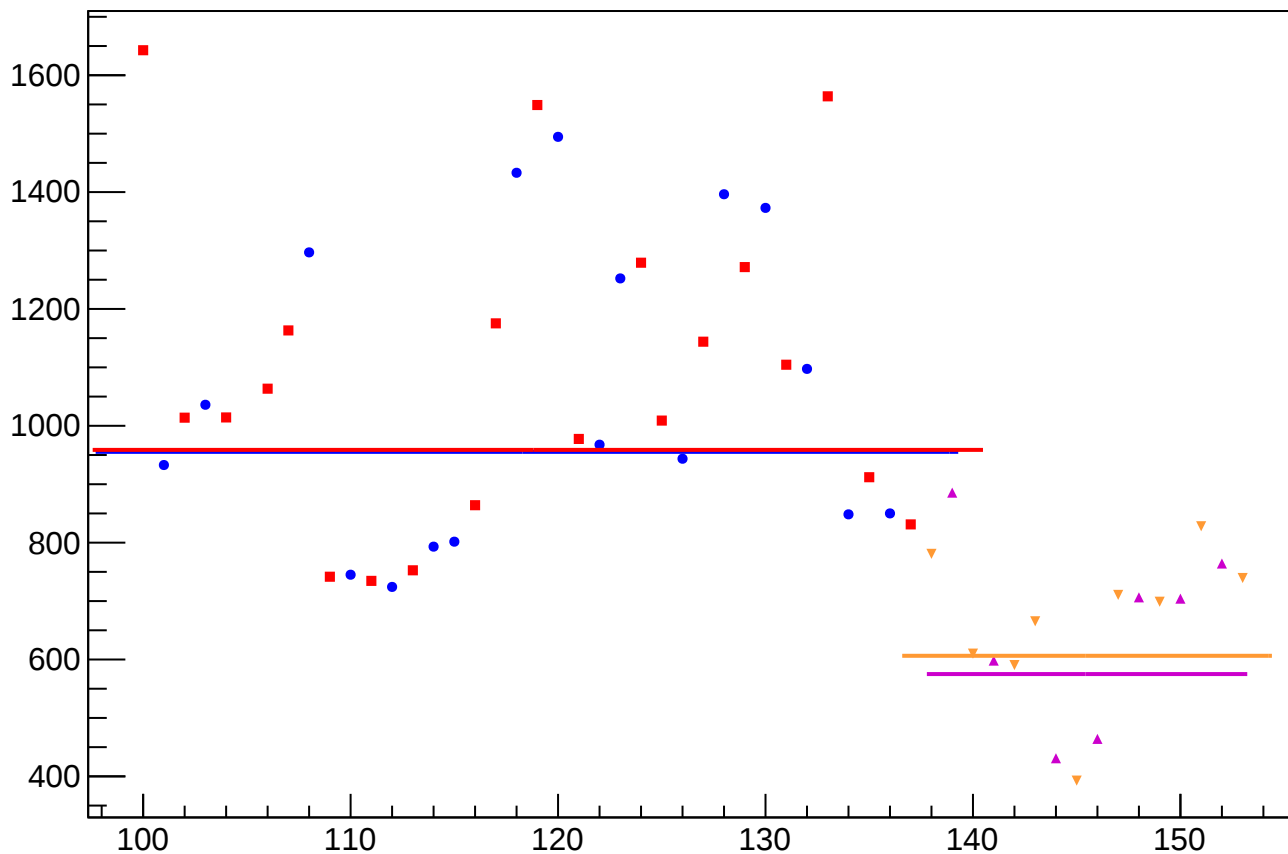
Right Out: -852.433+/-369.018 χ^2/NDF : 13.0/19

Left In: -8.031+/-249.053 χ^2/NDF : 6.6/6

-757.994+/-206.259 χ^2/NDF : 47.4/25

-272.288+/-206.436 χ^2/NDF : 23.3/26

asym_sam_37_avg_correction_rms vs Slug



Right In: 955.425+/-0.270 χ^2/NDF : 646512.4/16

Left Out: 606.369+/-0.173 χ^2/NDF : 753544.5/8

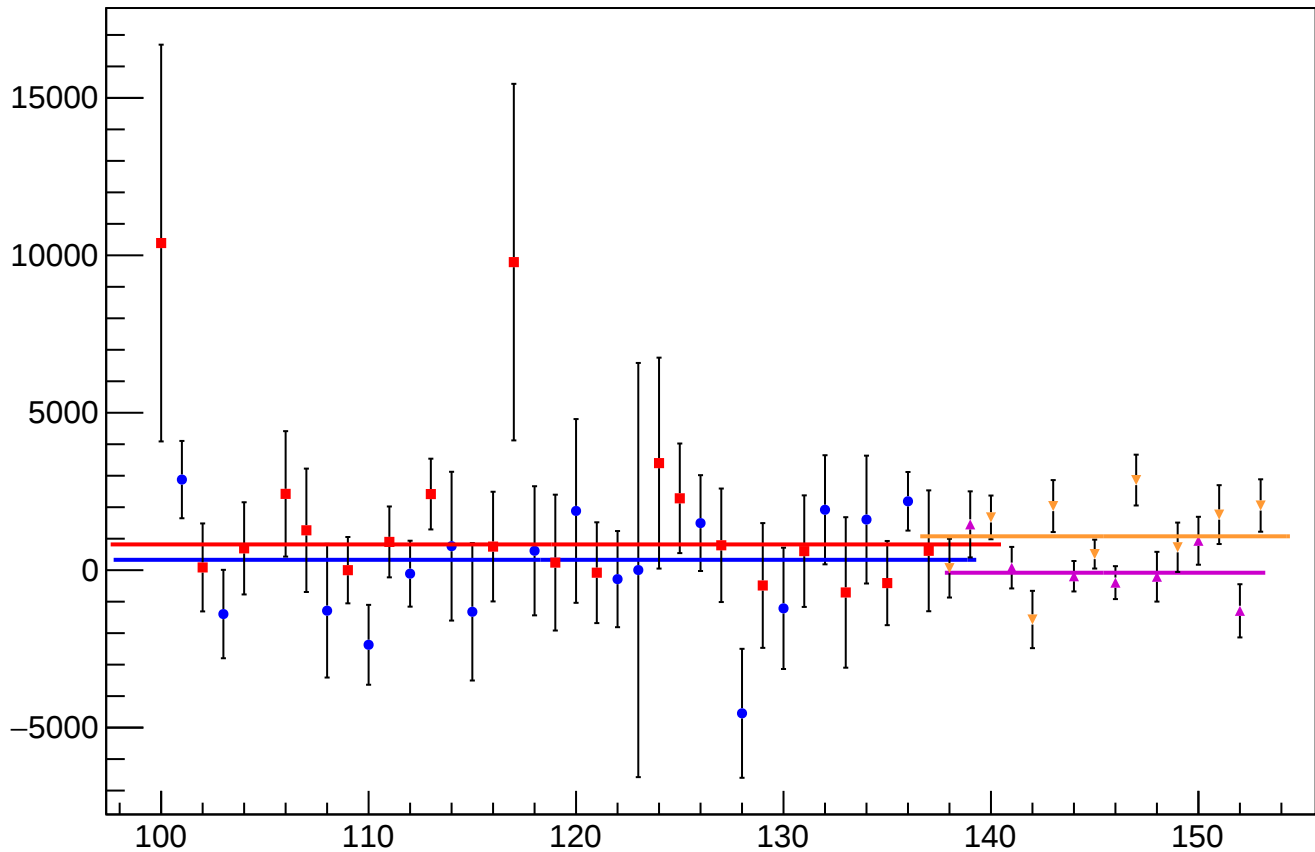
Right Out: 958.776+/-0.261 χ^2/NDF : 696031.2/19

Left In: 575.097+/-0.176 χ^2/NDF : 668329.7/6

708.137+/-0.146 χ^2/NDF : 2583147.0/25

695.170+/-0.146 χ^2/NDF : 2849812.1/26

asym_sam_37_avg_mean vs Slug



Right In: 329.164 ± 383.728 χ^2/NDF : 24.3/16

Left Out: 1075.747 ± 246.933 χ^2/NDF : 20.2/8

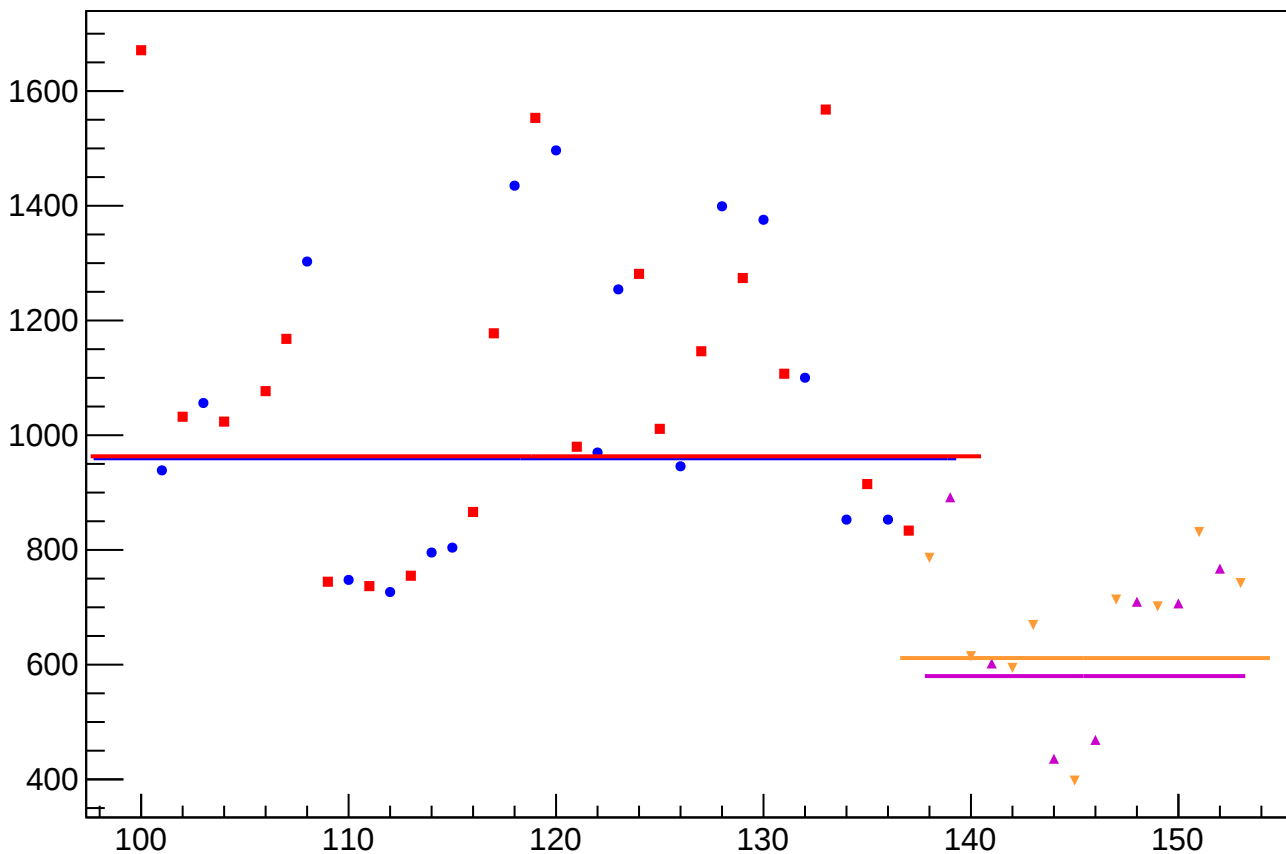
Right Out: 818.253 ± 370.875 χ^2/NDF : 11.8/19

Left In: -81.332 ± 251.032 χ^2/NDF : 6.5/6

857.118 ± 207.653 χ^2/NDF : 47.2/25

201.316 ± 207.888 χ^2/NDF : 22.3/26

asym_sam_37_avg_rms vs Slug



Right In: 959.770+/-0.271 χ^2/NDF : 646727.9/16

Left Out: 611.515+/-0.175 χ^2/NDF : 732578.5/8

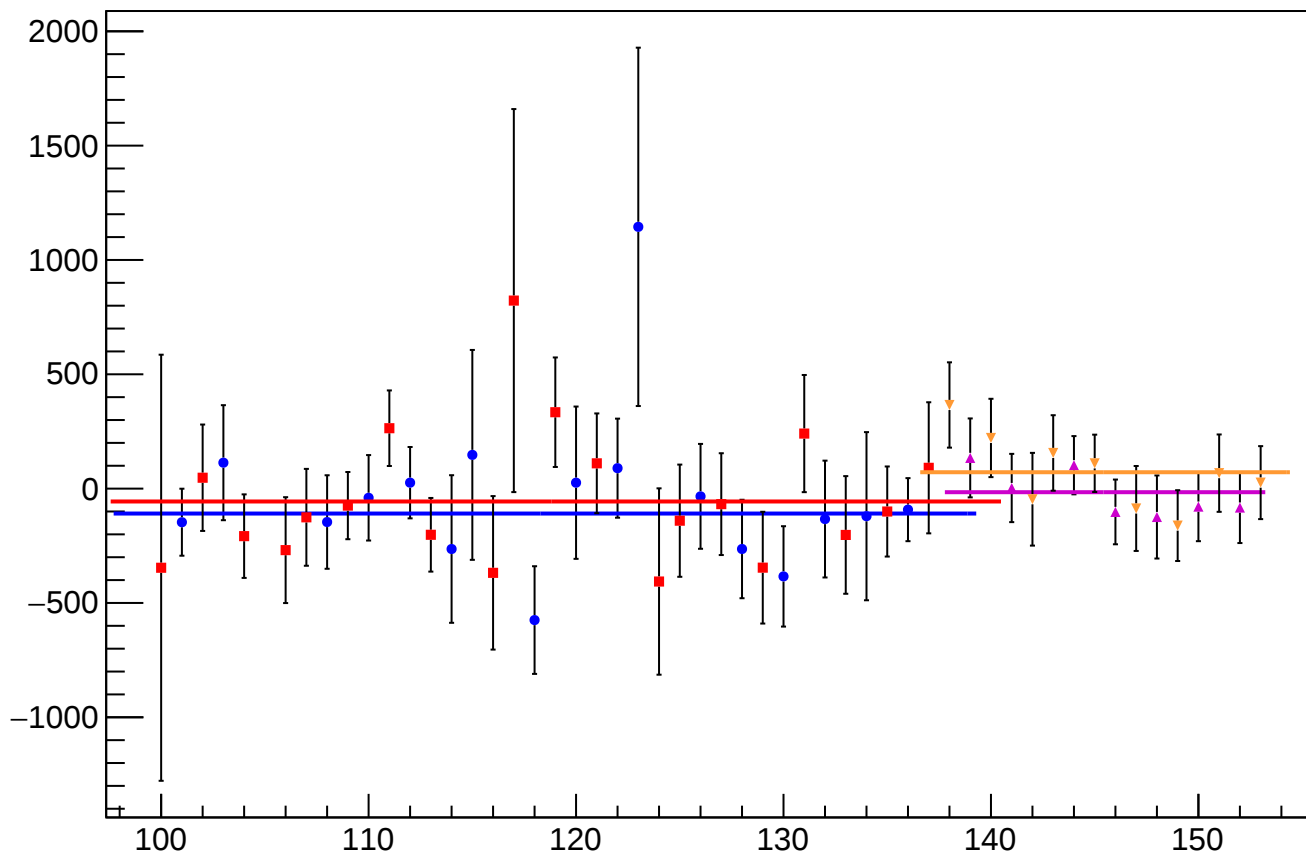
Right Out: 963.238+/-0.262 χ^2/NDF : 698638.3/19

Left In: 580.078+/-0.178 χ^2/NDF : 654527.2/6

713.498+/-0.147 χ^2/NDF : 2544230.3/25

700.466+/-0.147 χ^2/NDF : 2817139.7/26

reg_asym_sam_48_avg_mean vs Slug



Right In: -108.977 ± 52.923 $\chi^2/\text{NDF}: 12.0/16$

Left Out: 71.689 ± 54.860 $\chi^2/\text{NDF}: 7.0/8$

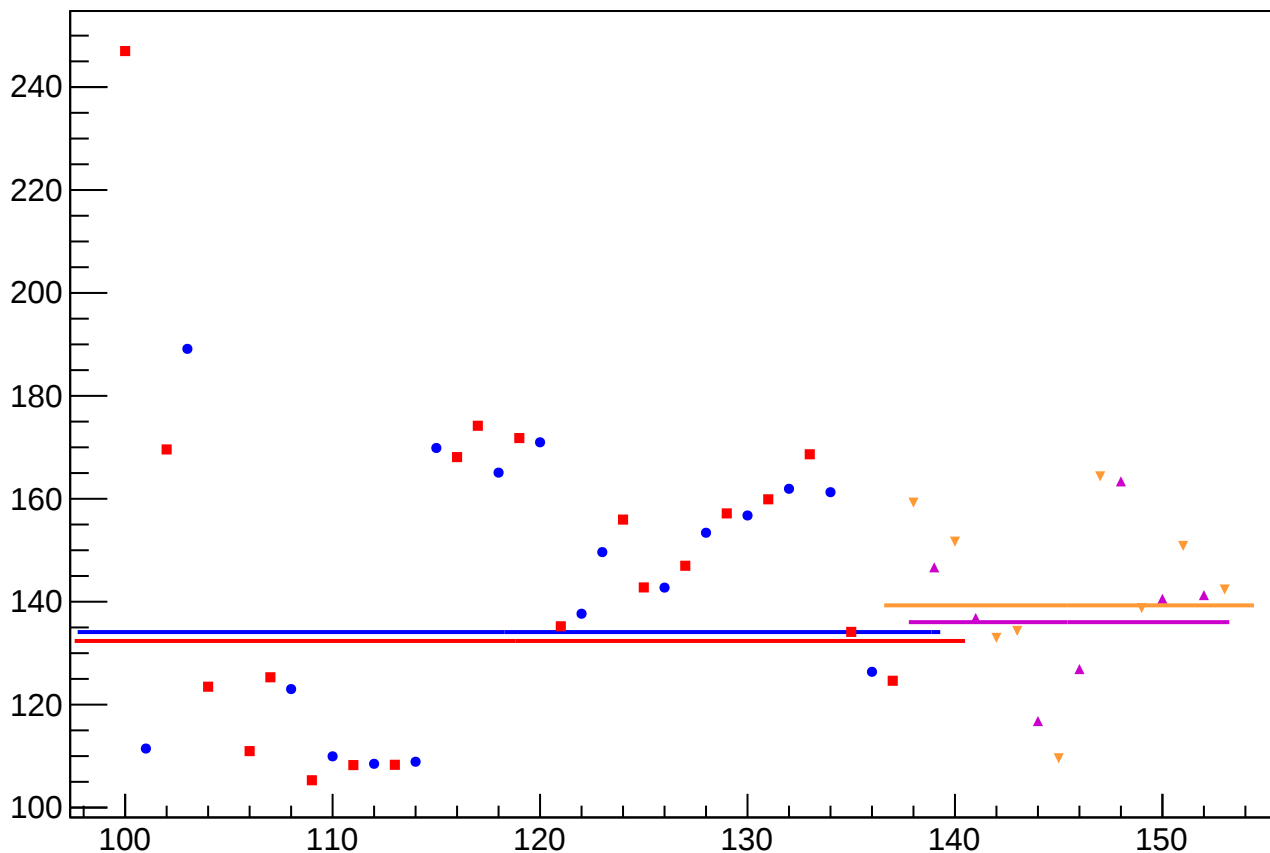
Right Out: -56.241 ± 50.729 $\chi^2/\text{NDF}: 16.0/19$

Left In: -15.643 ± 57.210 $\chi^2/\text{NDF}: 2.7/6$

-21.890 ± 38.088 $\chi^2/\text{NDF}: 24.7/25$

-38.371 ± 37.956 $\chi^2/\text{NDF}: 19.0/26$

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.103 ± 0.037 χ^2/NDF : 402581.2/16

Left Out: 139.292 ± 0.039 χ^2/NDF : 195808.1/8

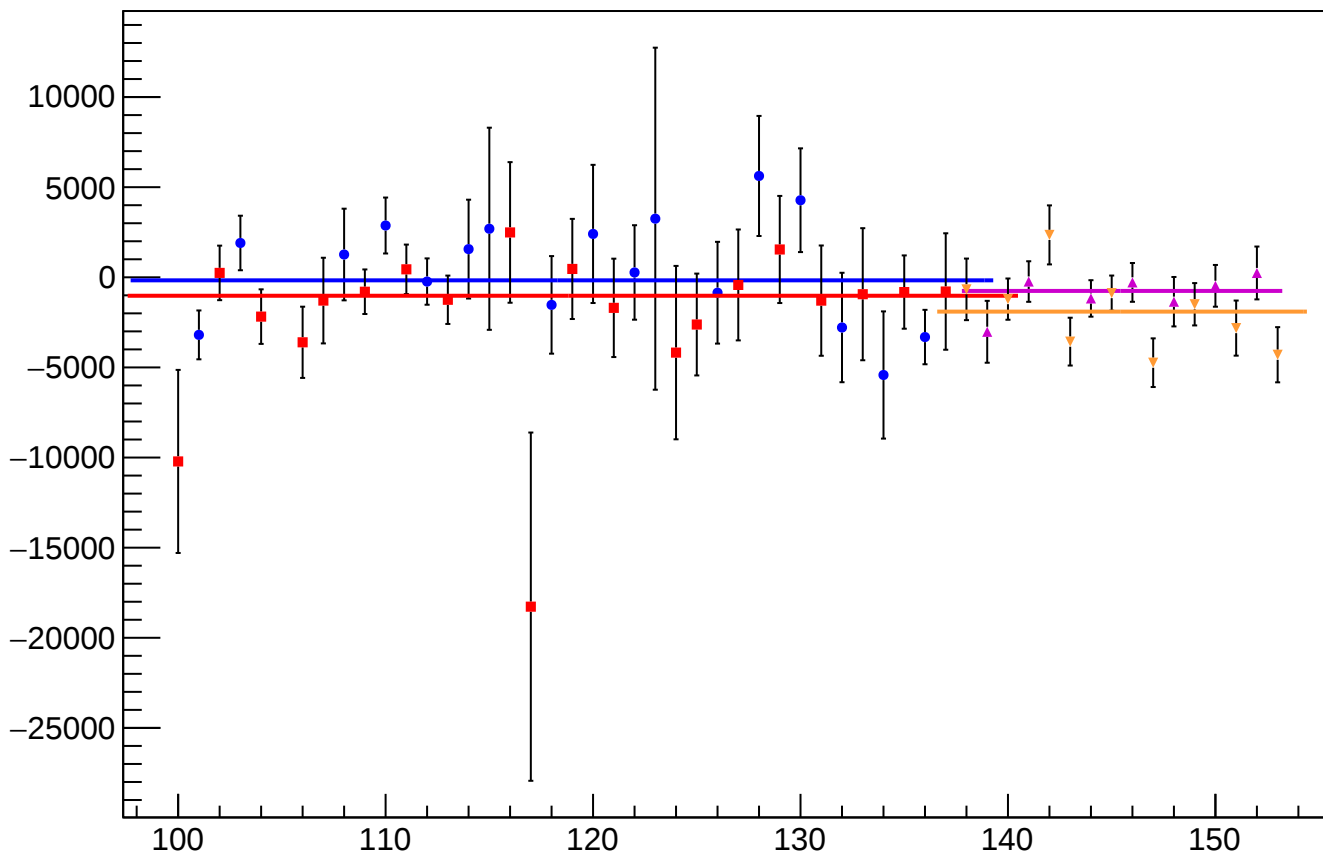
Right Out: 132.373 ± 0.036 χ^2/NDF : 446741.9/19

Left In: 136.029 ± 0.040 χ^2/NDF : 110943.6/6

136.604 ± 0.027 χ^2/NDF : 607656.2/25

133.982 ± 0.027 χ^2/NDF : 562259.4/26

asym_sam_48_avg_correction_mean vs Slug



Right In: -168.237 ± 523.672 χ^2/NDF : 25.3/16

Left Out: -1903.054 ± 437.334 χ^2/NDF : 17.7/8

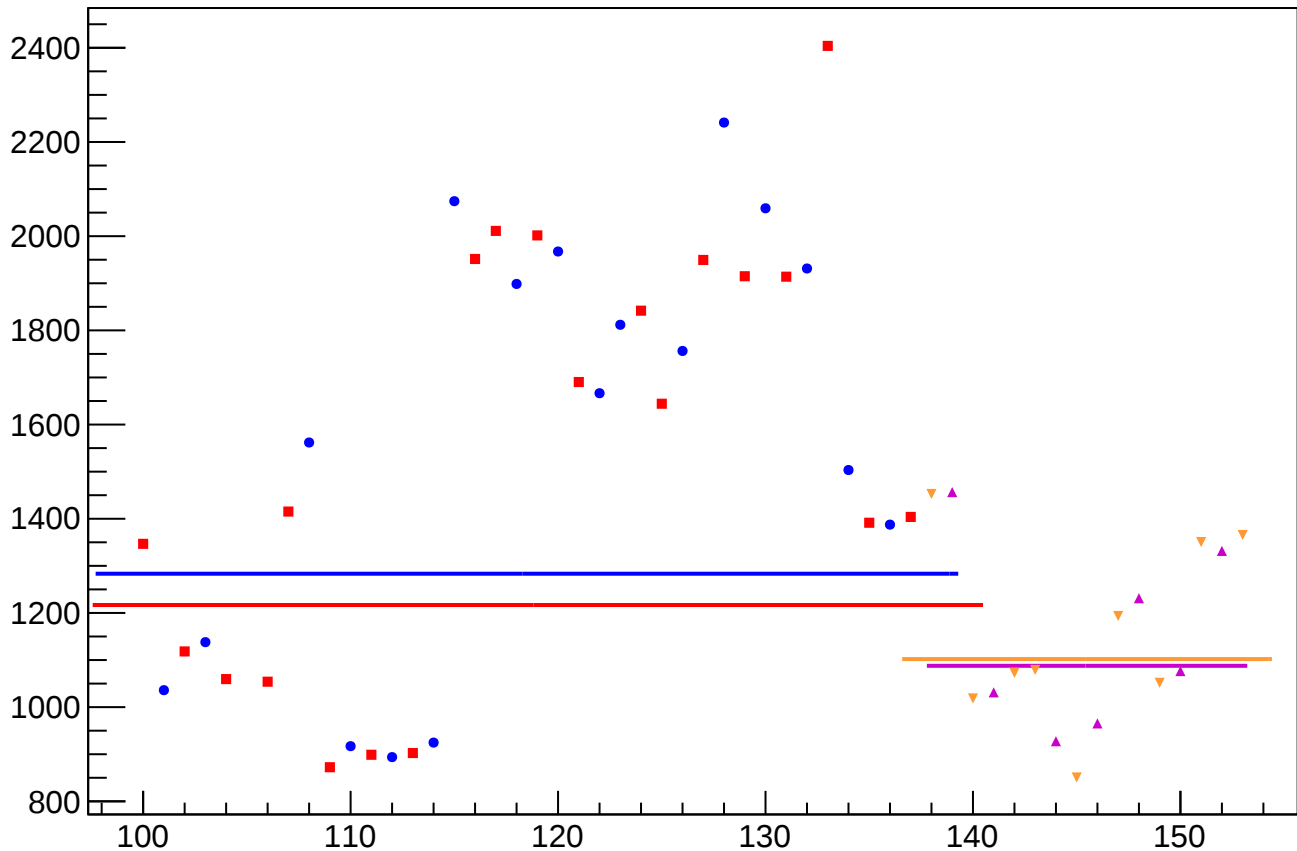
Right Out: -1023.271 ± 480.373 χ^2/NDF : 13.4/19

Left In: -755.706 ± 460.725 χ^2/NDF : 3.0/6

-1190.257 ± 335.673 χ^2/NDF : 49.4/25

-883.905 ± 332.511 χ^2/NDF : 16.6/26

asym_sam_48_avg_correction_rms vs Slug



Right In: 1283.318+/-0.370 χ^2/NDF : 1169431.5/16

Left Out: 1102.081+/-0.309 χ^2/NDF : 354101.1/8

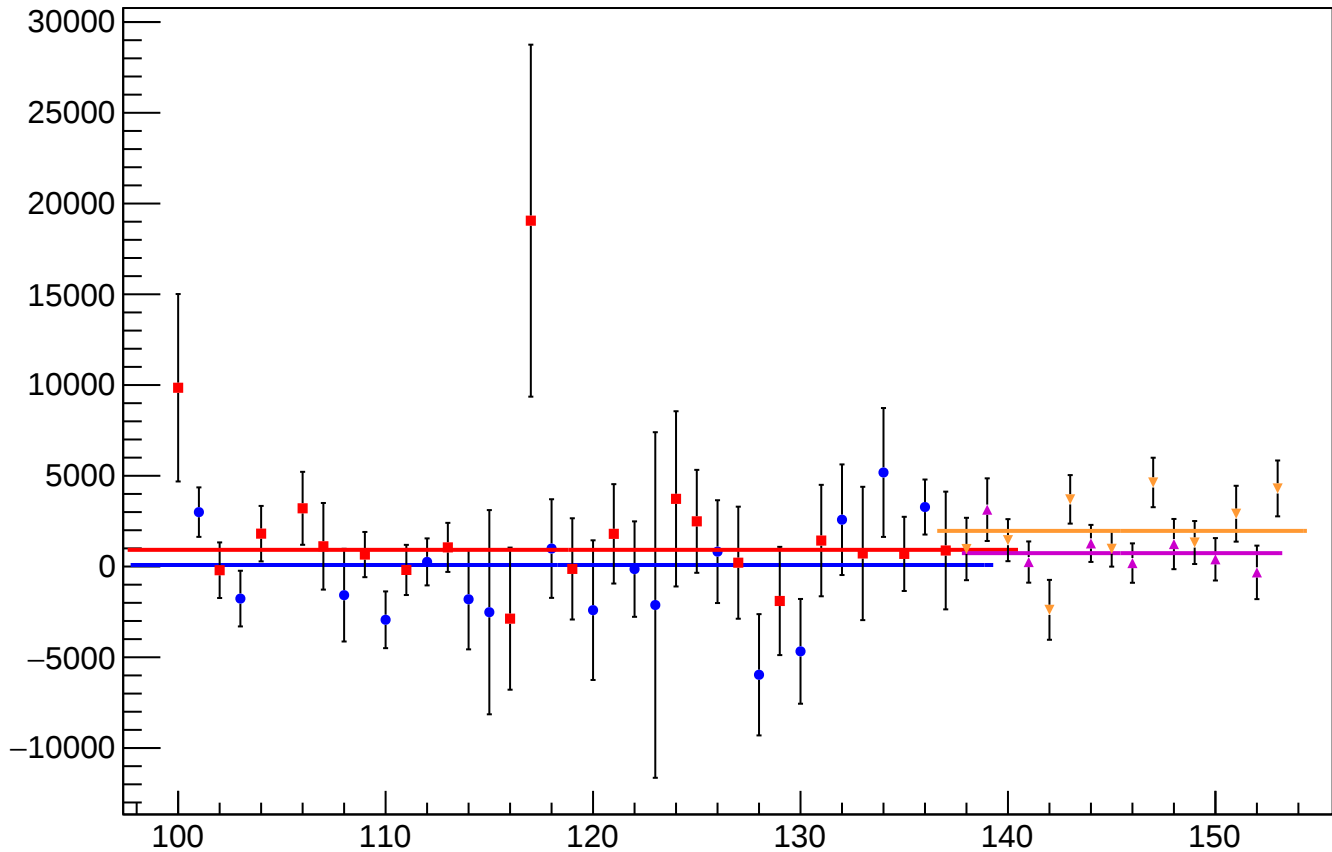
Right Out: 1216.852+/-0.340 χ^2/NDF : 1374416.0/19

Left In: 1087.791+/-0.326 χ^2/NDF : 250721.4/6

1176.547+/-0.237 χ^2/NDF : 1664658.7/25

1149.628+/-0.235 χ^2/NDF : 1700332.0/26

asym_sam_48_avg_mean vs Slug



Right In: 85.077 ± 527.082 χ^2/NDF : 24.7/16

Left Out: 1964.269 ± 440.985 χ^2/NDF : 17.0/8

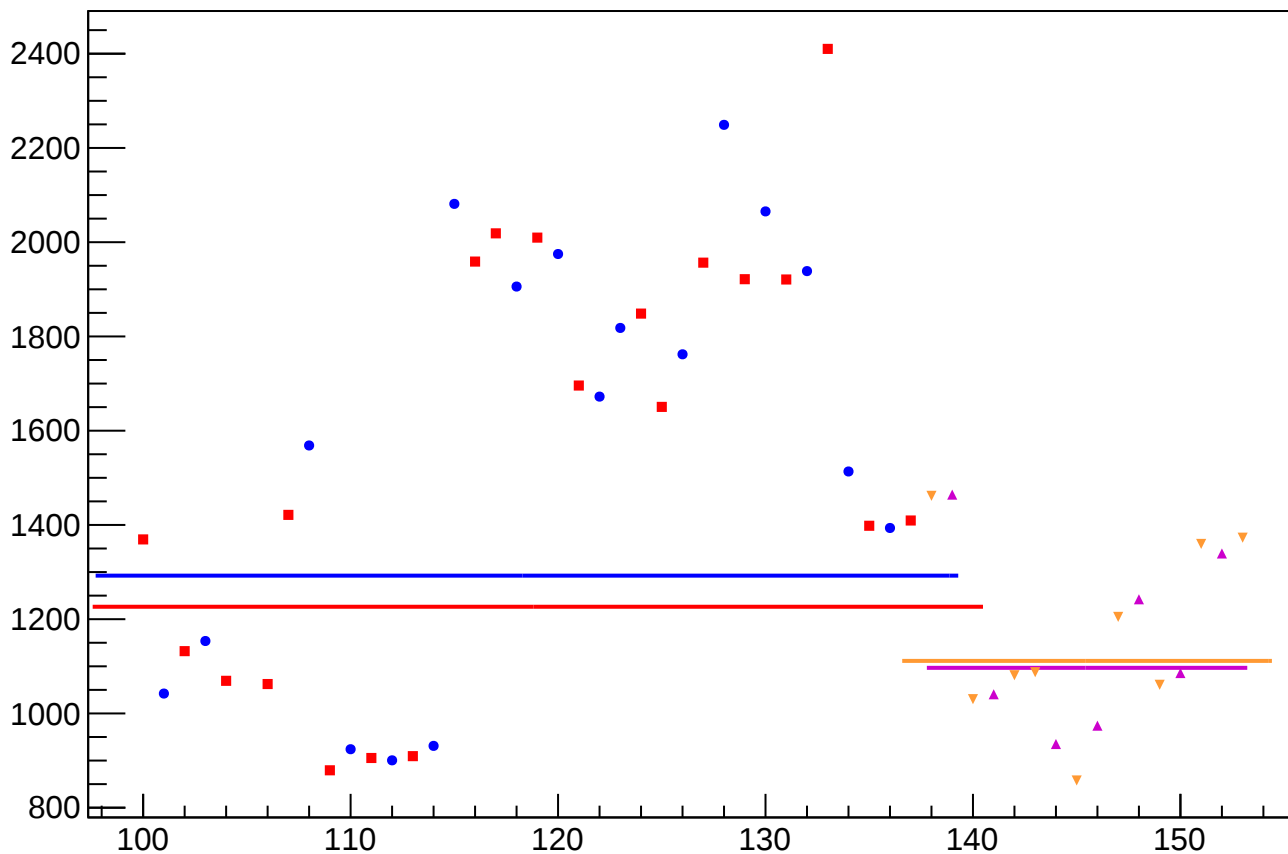
Right Out: 919.892 ± 484.043 χ^2/NDF : 12.2/19

Left In: 737.638 ± 464.450 χ^2/NDF : 3.4/6

1190.492 ± 338.221 χ^2/NDF : 49.2/25

825.002 ± 335.128 χ^2/NDF : 15.6/26

asym_sam_48_avg_rms vs Slug



Right In: 1292.426+/-0.373 χ^2/NDF : 1156576.0/16

Left Out: 1111.510+/-0.312 χ^2/NDF : 350341.6/8

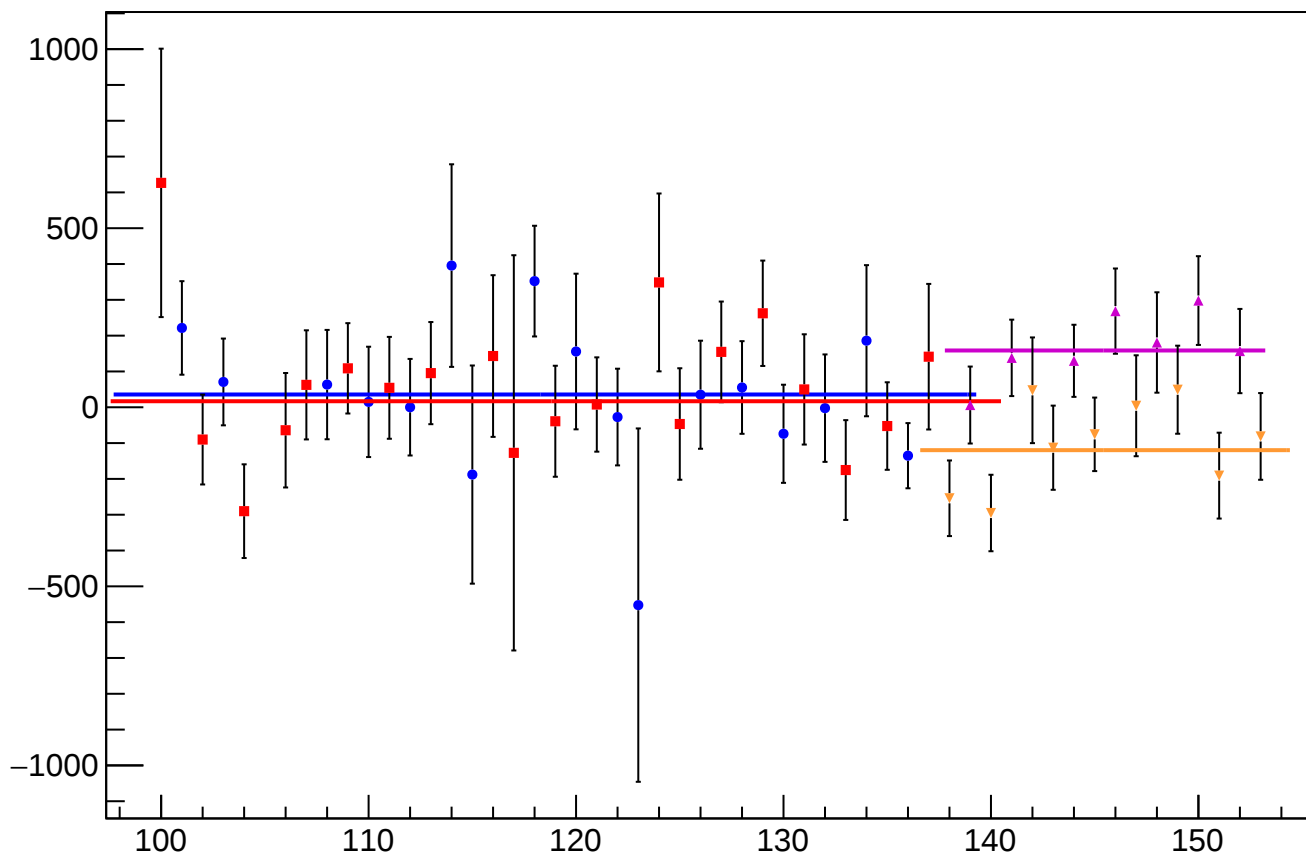
Right Out: 1226.408+/-0.342 χ^2/NDF : 1359134.9/19

Left In: 1096.777+/-0.328 χ^2/NDF : 247858.6/6

1186.004+/-0.239 χ^2/NDF : 1645522.2/25

1158.916+/-0.237 χ^2/NDF : 1681676.9/26

reg_asym_sam_15_dd_mean vs Slug



Right In: 35.679 ± 36.350 $\chi^2/\text{NDF}: 15.3/16$

Left Out: -119.762 ± 39.375 $\chi^2/\text{NDF}: 8.9/8$

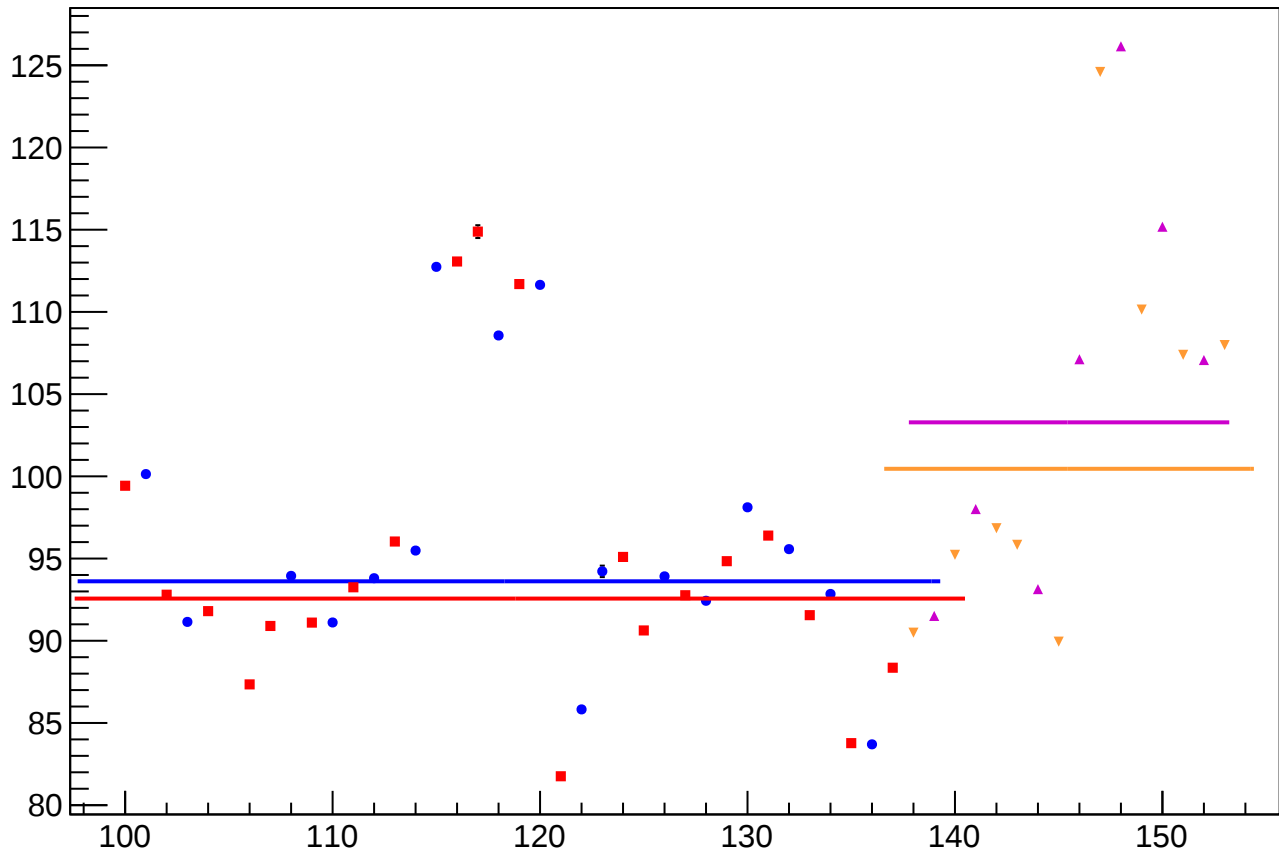
Right Out: 16.849 ± 34.623 $\chi^2/\text{NDF}: 19.0/19$

Left In: 158.569 ± 43.353 $\chi^2/\text{NDF}: 4.3/6$

-35.843 ± 26.709 $\chi^2/\text{NDF}: 32.6/25$

72.038 ± 27.054 $\chi^2/\text{NDF}: 29.8/26$

reg_asym_sam_15_dd_rms vs Slug



Right In: 93.616+/-0.026 χ^2/NDF : 79928.5/16

Left Out: 100.459+/-0.028 χ^2/NDF :133400.4/8

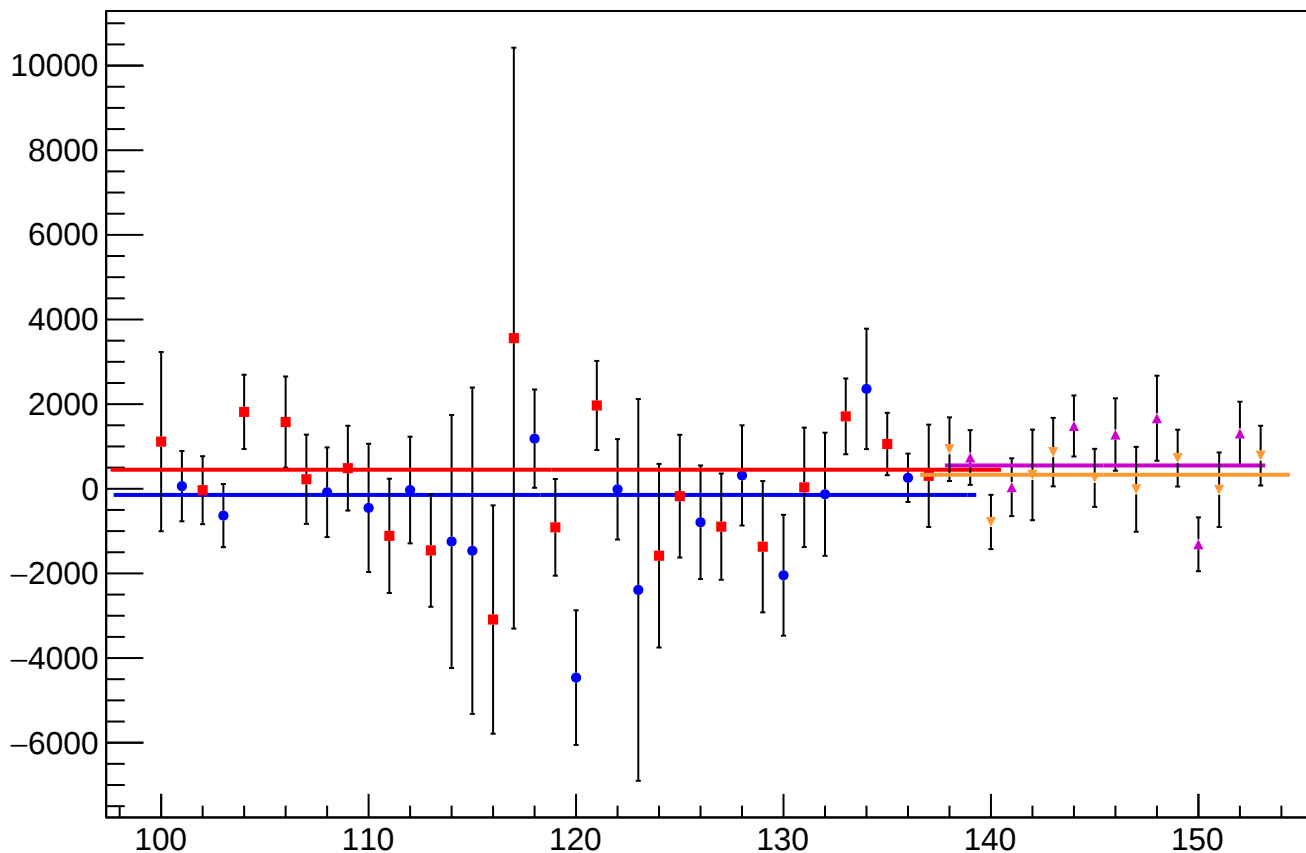
Right Out: 92.565+/-0.024 χ^2/NDF : 81875.5/19

Left In: 103.284+/-0.031 χ^2/NDF :125065.1/6

96.764+/-0.019 χ^2/NDF : 245936.8/25

96.739+/-0.019 χ^2/NDF : 281580.9/26

asym_sam_15_dd_correction_mean vs Slug



Right In: -145.464 ± 276.629 χ^2/NDF : 15.5/16

Left Out: 331.030 ± 256.221 χ^2/NDF : 5.2/8

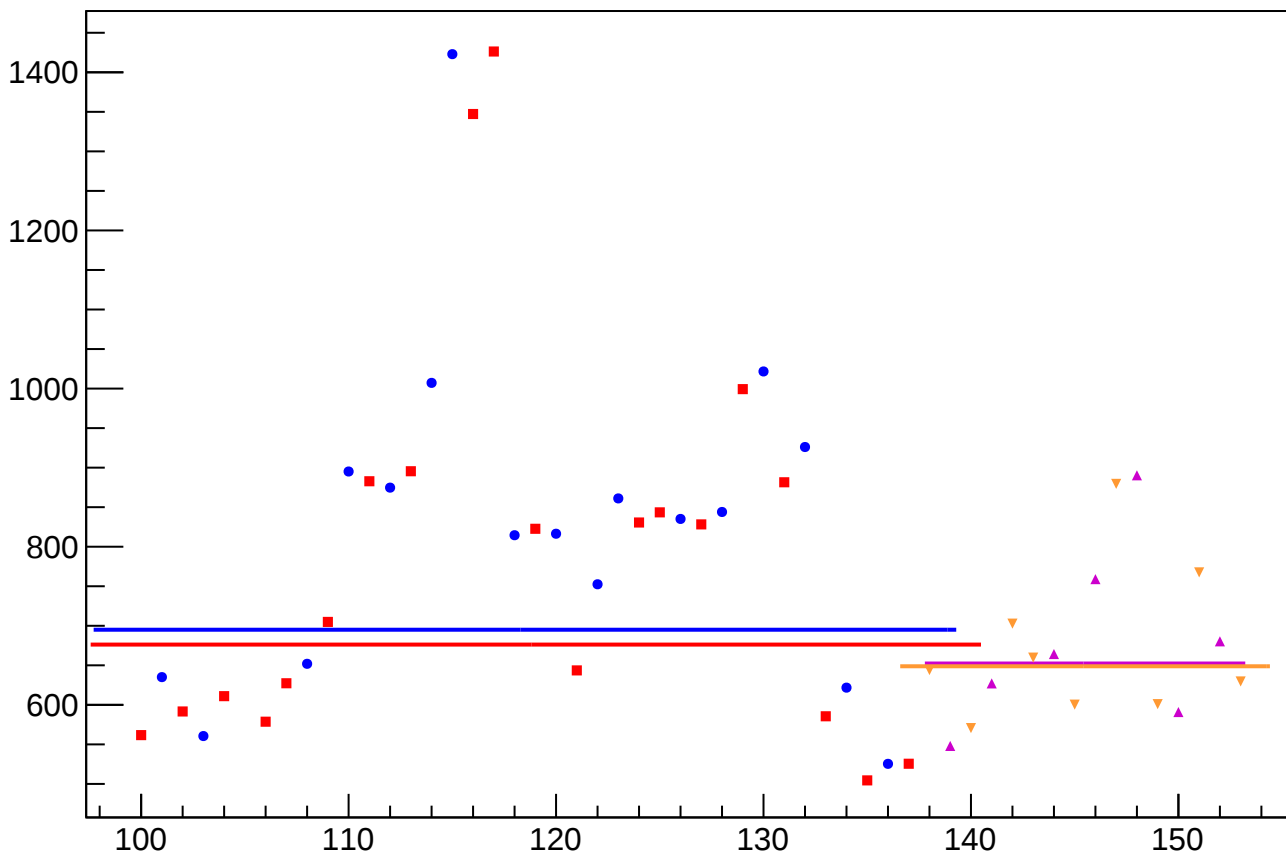
Right Out: 450.047 ± 260.089 χ^2/NDF : 19.2/19

Left In: 550.676 ± 276.582 χ^2/NDF : 13.9/6

111.006 ± 187.977 χ^2/NDF : 22.2/25

497.272 ± 189.473 χ^2/NDF : 33.1/26

asym_sam_15_dd_correction_rms vs Slug



Right In: 695.014+/-0.196 χ^2/NDF : 677713.0/16

Left Out: 648.792+/-0.181 χ^2/NDF :199114.5/8

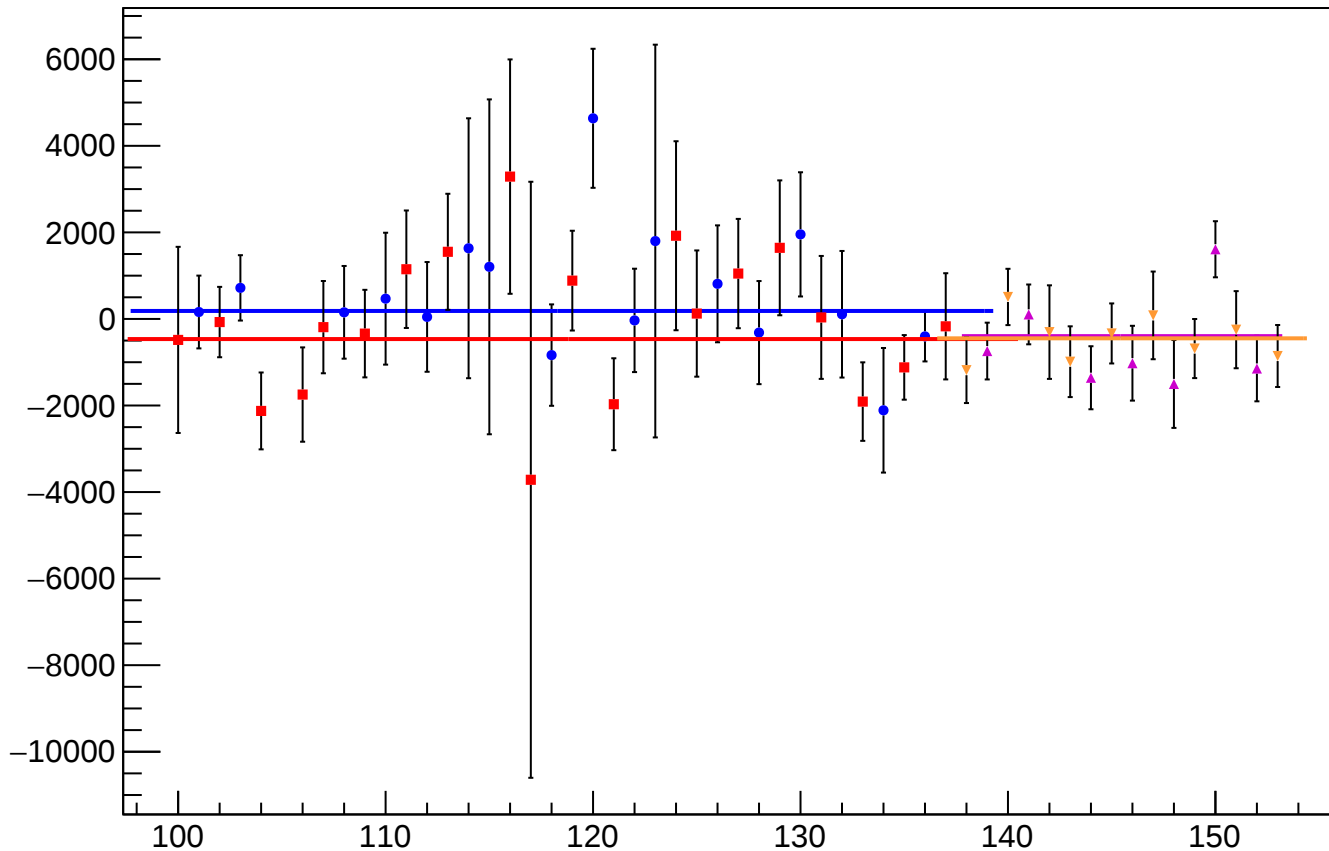
Right Out: 676.229+/-0.184 χ^2/NDF : 700313.6/19

Left In: 652.285+/-0.196 χ^2/NDF :220049.6/6

670.135+/-0.133 χ^2/NDF : 906882.4/25

664.992+/-0.134 χ^2/NDF : 928318.3/26

asym_sam_15_dd_mean vs Slug



Right In: 184.518 $\pm$ 279.390 χ^2 /NDF: 14.9/16

Left Out: -448.002 $\pm$ 259.447 χ^2 /NDF: 4.3/8

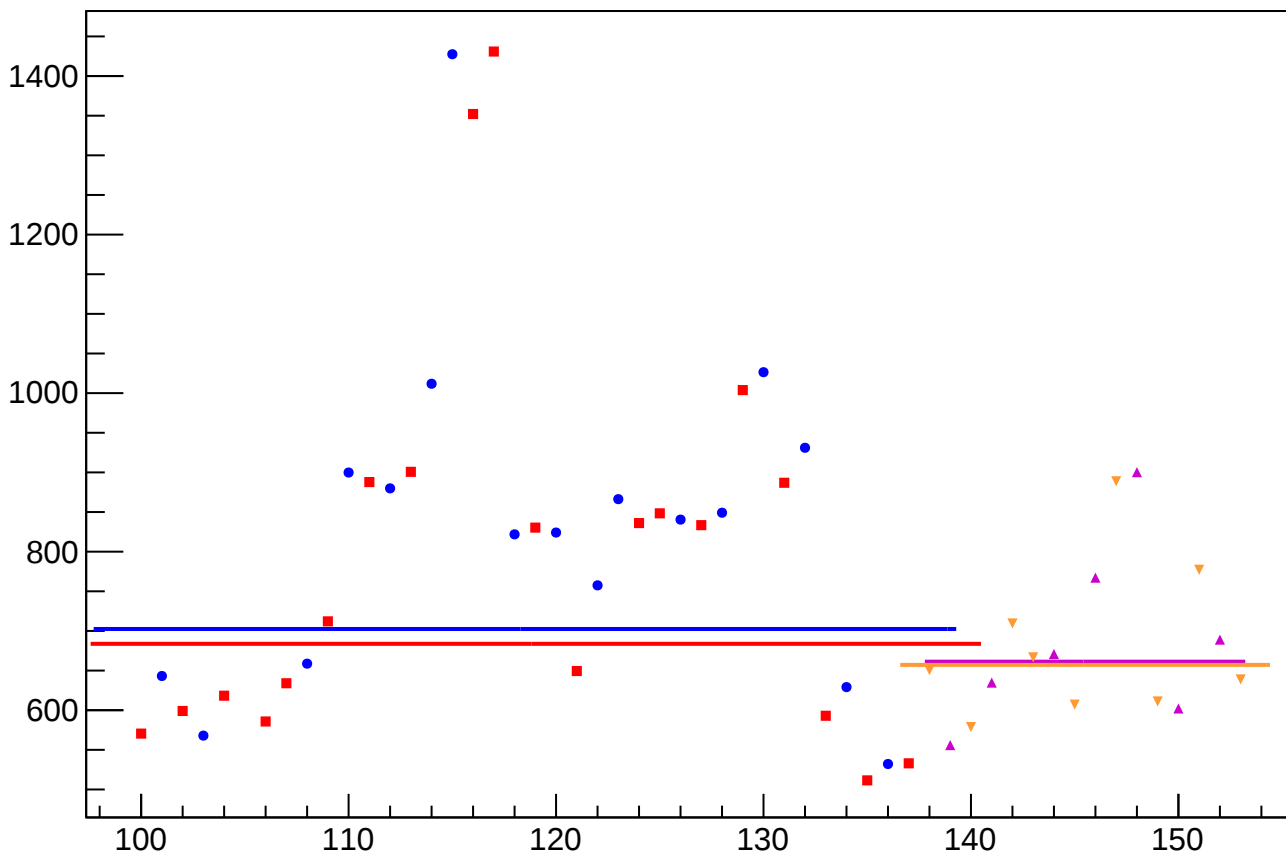
Right Out: -464.916 $\pm$ 262.768 χ^2 /NDF: 22.5/19

Left In: -397.147 $\pm$ 280.248 χ^2 /NDF: 14.8/6

-155.120 $\pm$ 190.116 χ^2 /NDF: 22.0/25

-433.211 $\pm$ 191.687 χ^2 /NDF: 37.4/26

asym_sam_15_dd_rms vs Slug



Right In: 702.469 ± 0.198 χ^2/NDF : 660525.4/16

Left Out: 657.182 ± 0.183 χ^2/NDF : 195968.2/8

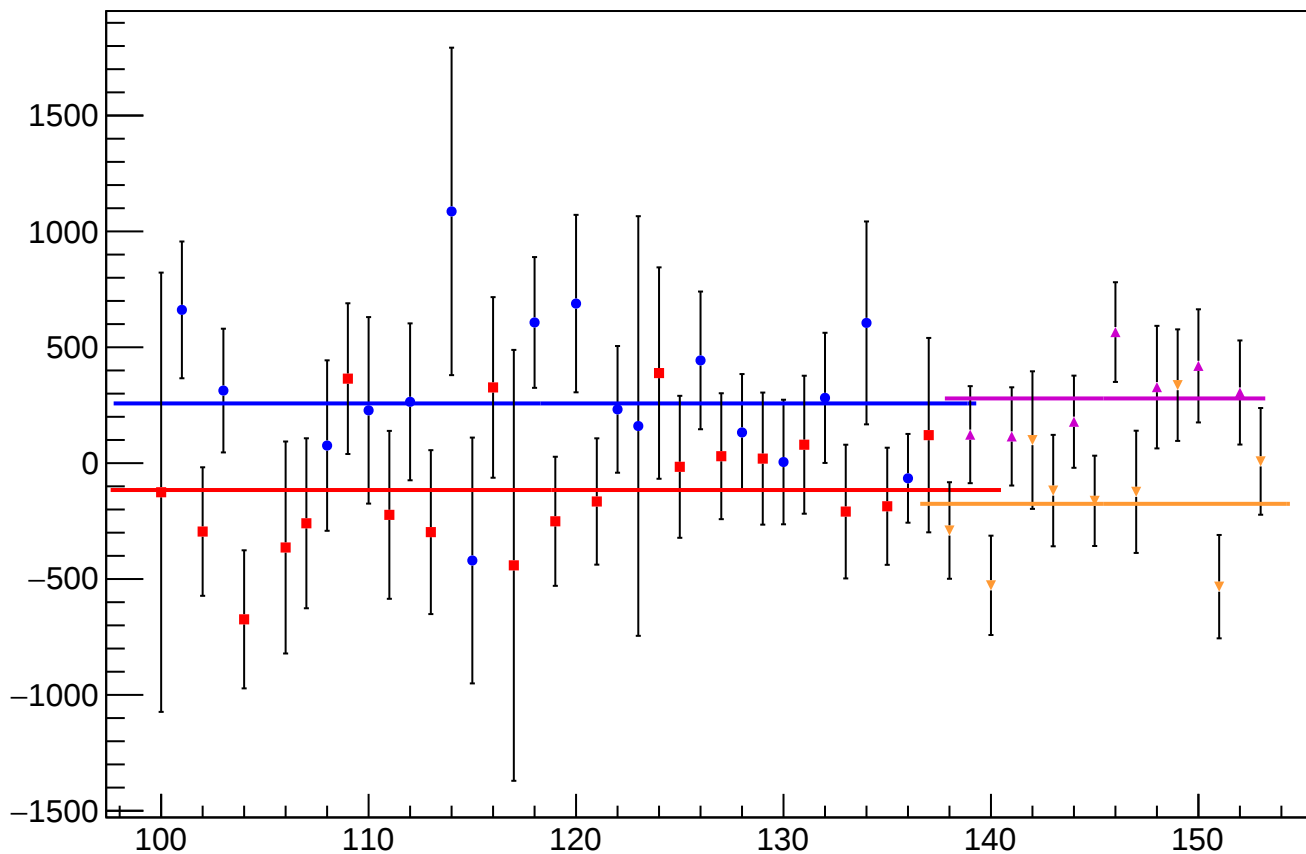
Right Out: 683.751 ± 0.186 χ^2/NDF : 683105.3/19

Left In: 661.223 ± 0.198 χ^2/NDF : 215029.1/6

678.152 ± 0.134 χ^2/NDF : 884709.7/25

673.212 ± 0.136 χ^2/NDF : 905011.8/26

reg_asym_sam_26_dd_mean vs Slug



Right In: 257.721 $\pm$ 75.931 χ^2 /NDF: 13.0/16

Left Out: -175.530 $\pm$ 76.607 χ^2 /NDF:11.7/8

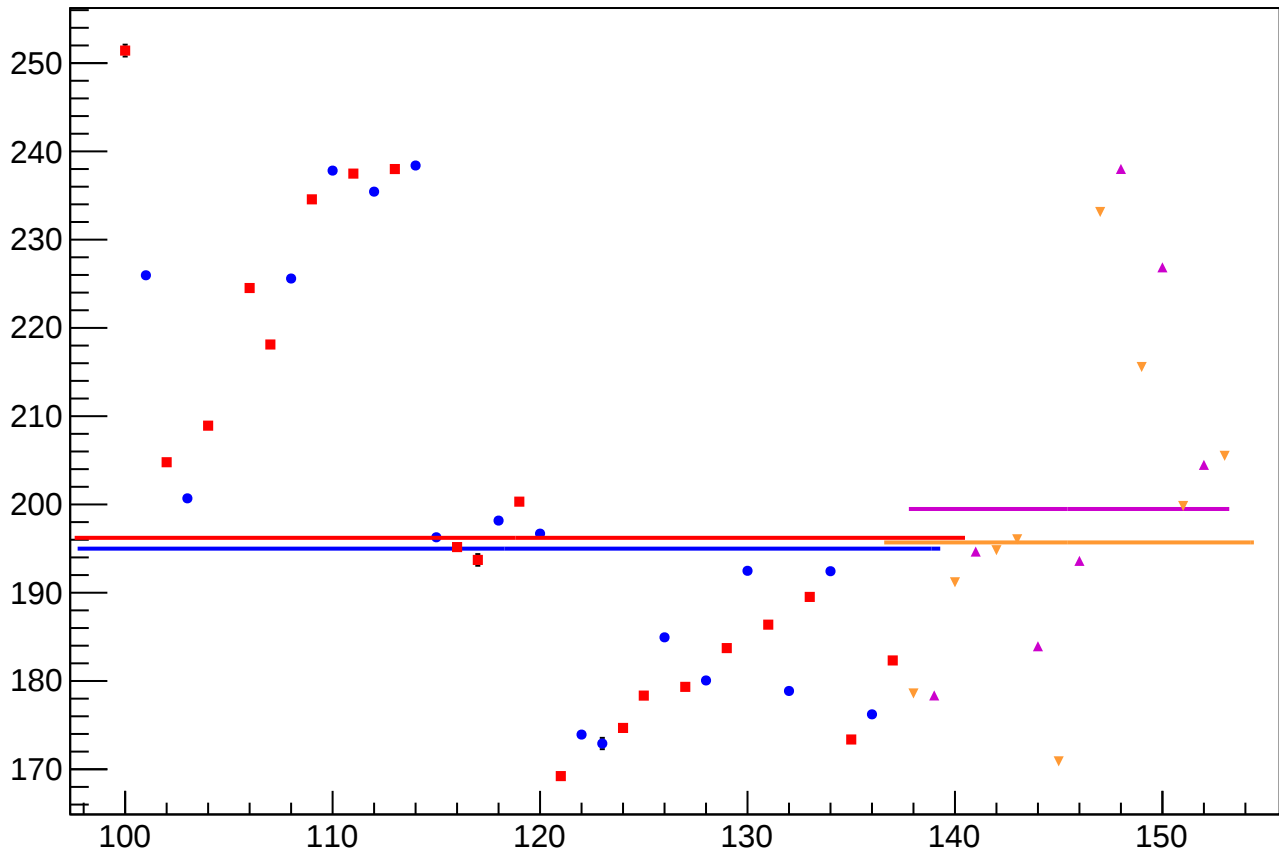
Right Out: -115.922 $\pm$ 73.976 χ^2 /NDF: 11.4/19

Left In: 279.217 $\pm$ 83.662 χ^2 /NDF:3.6/6

43.014 $\pm$ 53.929 χ^2 /NDF: 40.8/25

57.458 $\pm$ 55.418 χ^2 /NDF: 27.4/26

reg_asym_sam_26_dd_rms vs Slug



Right In: 194.994 $\pm$ 0.054 χ^2 /NDF: 144271.1/16

Left Out: 195.697 $\pm$ 0.054 χ^2 /NDF:105057.5/8

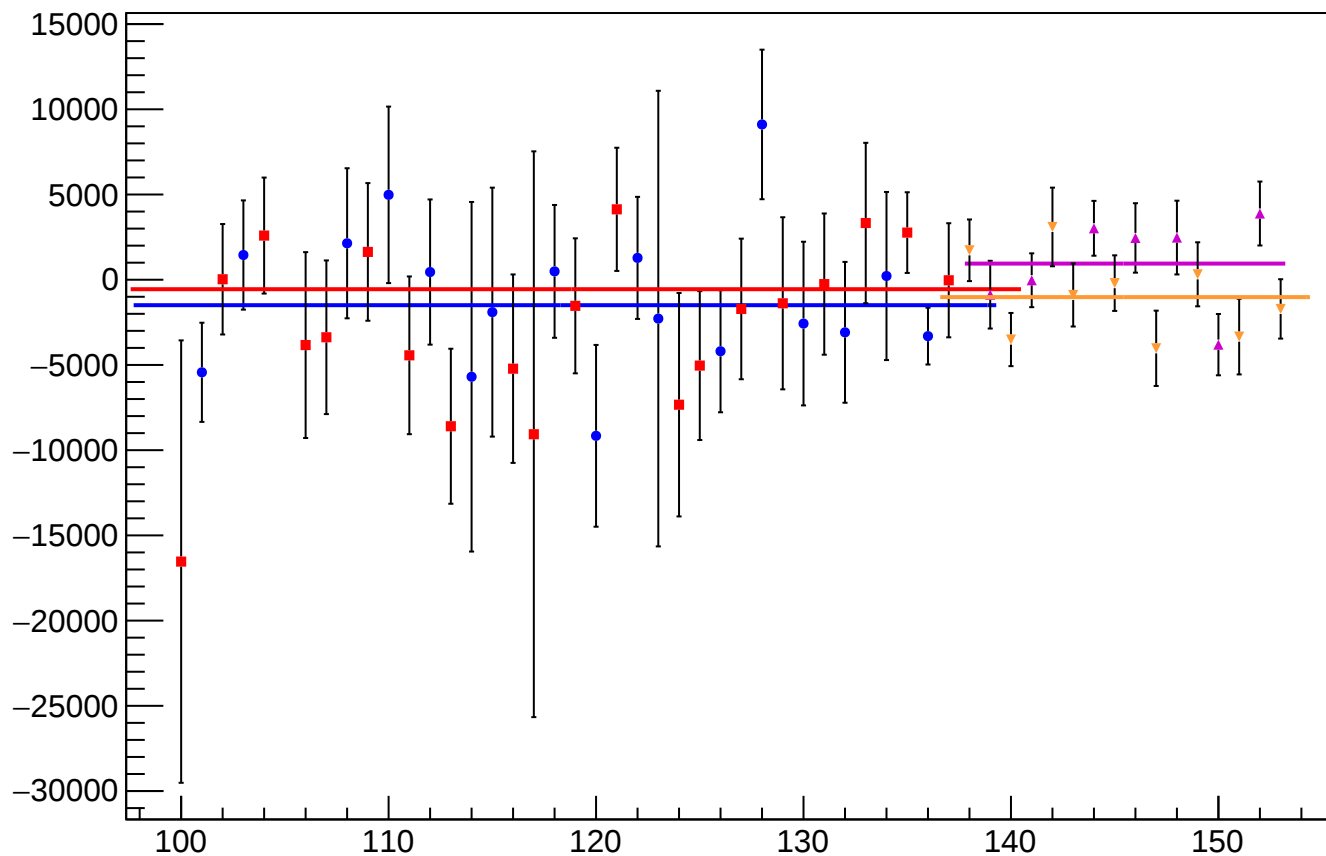
Right Out: 196.219 $\pm$ 0.052 χ^2 /NDF: 173506.2/19

Left In: 199.487 $\pm$ 0.059 χ^2 /NDF:103713.0/6

195.343 $\pm$ 0.038 χ^2 /NDF: 249413.6/25

197.653 $\pm$ 0.039 χ^2 /NDF: 278931.5/26

asym_sam_26_dd_correction_mean vs Slug



Right In: -1493.280 ± 910.834 χ^2/NDF : 16.1/16

Left Out: -1019.800 ± 620.942 χ^2/NDF : 11.9/8

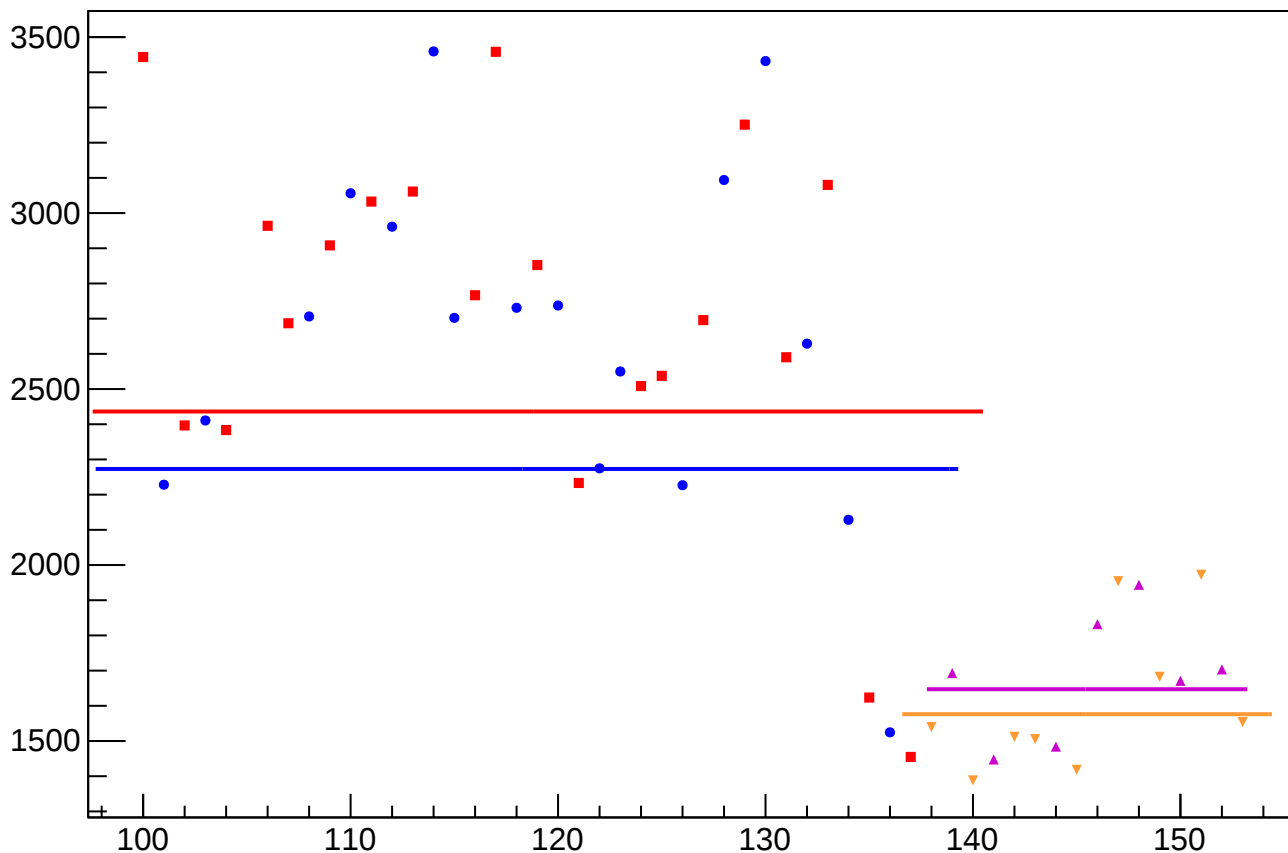
Right Out: -555.744 ± 933.239 χ^2/NDF : 14.9/19

Left In: 946.931 ± 691.904 χ^2/NDF : 13.4/6

-1170.031 ± 513.061 χ^2/NDF : 28.2/25

413.927 ± 555.809 χ^2/NDF : 29.9/26

asym_sam_26_dd_correction_rms vs Slug



Right In: 2272.883+/-0.644 χ^2/NDF : 805650.3/16

Left Out: 1576.183+/-0.439 χ^2/NDF : 182222.9/8

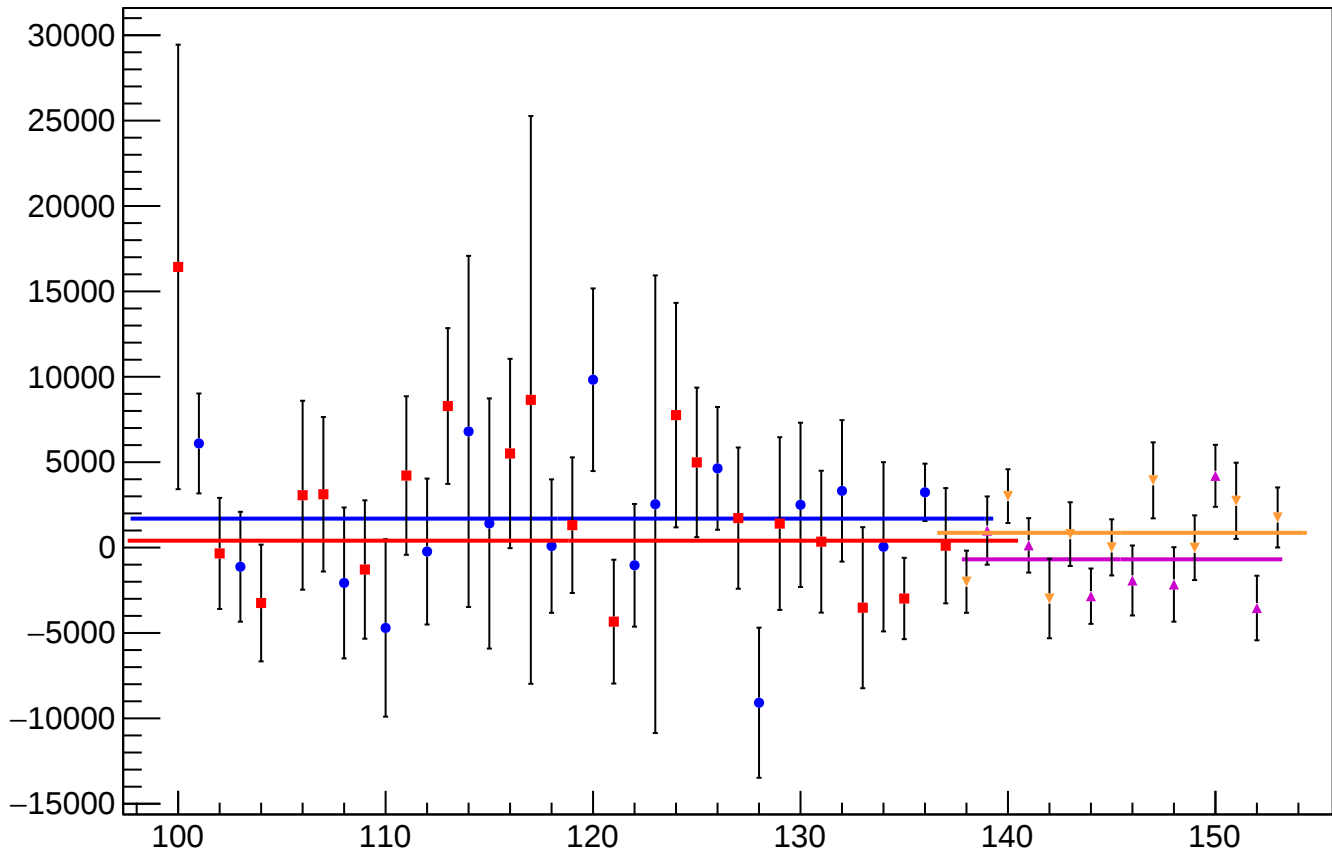
Right Out: 2436.191+/-0.660 χ^2/NDF : 688391.3/19

Left In: 1647.121+/-0.489 χ^2/NDF : 109796.0/6

1797.241+/-0.363 χ^2/NDF : 1786747.2/25

1927.007+/-0.393 χ^2/NDF : 1720832.8/26

asym_sam_26_dd_mean vs Slug



Right In: 1695.956 $\pm$ 914.855 χ^2 /NDF: 16.6/16

Left Out: 864.177 $\pm$ 625.914 χ^2 /NDF:10.4/8

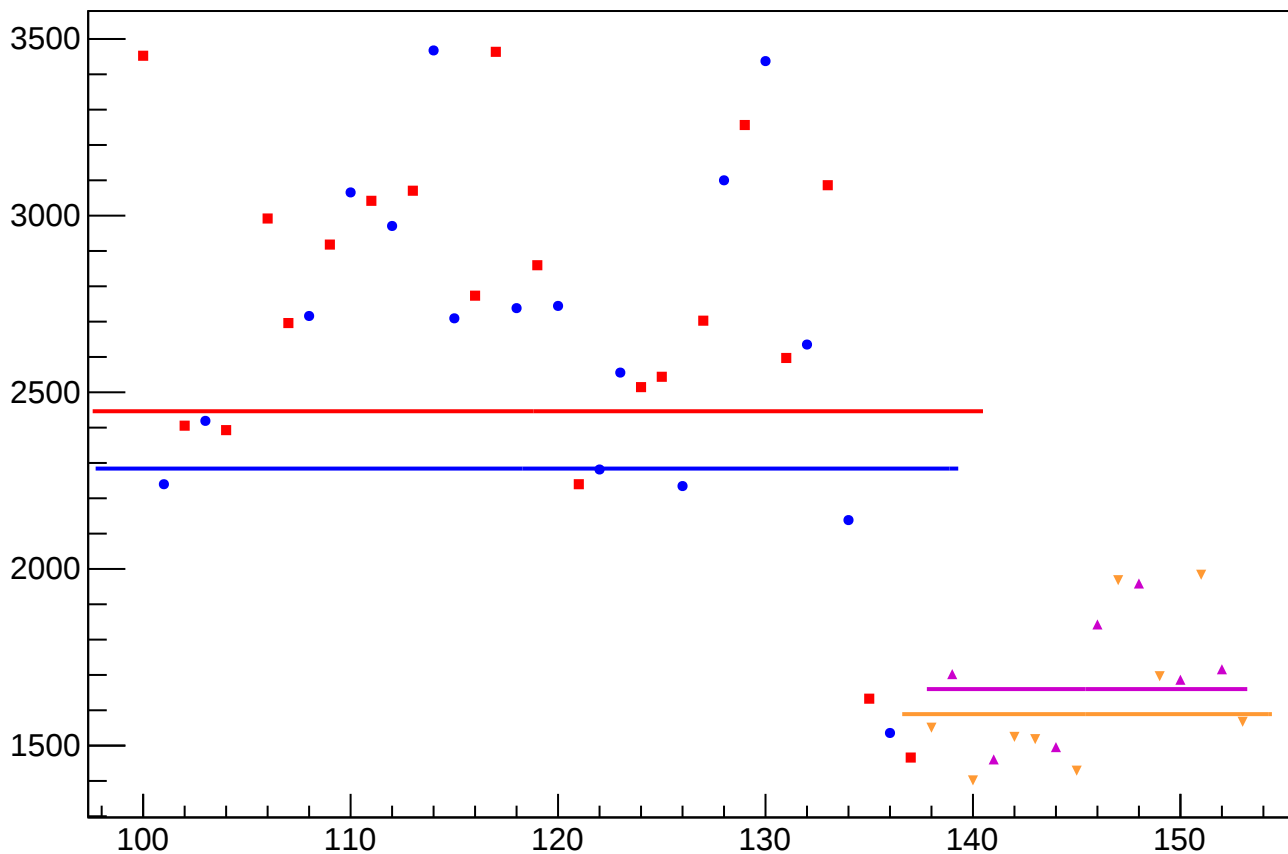
Right Out: 403.904 $\pm$ 937.036 χ^2 /NDF: 15.2/19

Left In: -686.670 $\pm$ 697.224 χ^2 /NDF:13.1/6

1129.382 $\pm$ 516.582 χ^2 /NDF: 27.6/25

-298.041 $\pm$ 559.366 χ^2 /NDF: 29.2/26

asym_sam_26_dd_rms vs Slug



Right In: 2284.104+/-0.647 χ^2/NDF : 793993.4/16

Left Out: 1589.096+/-0.443 χ^2/NDF : 179955.8/8

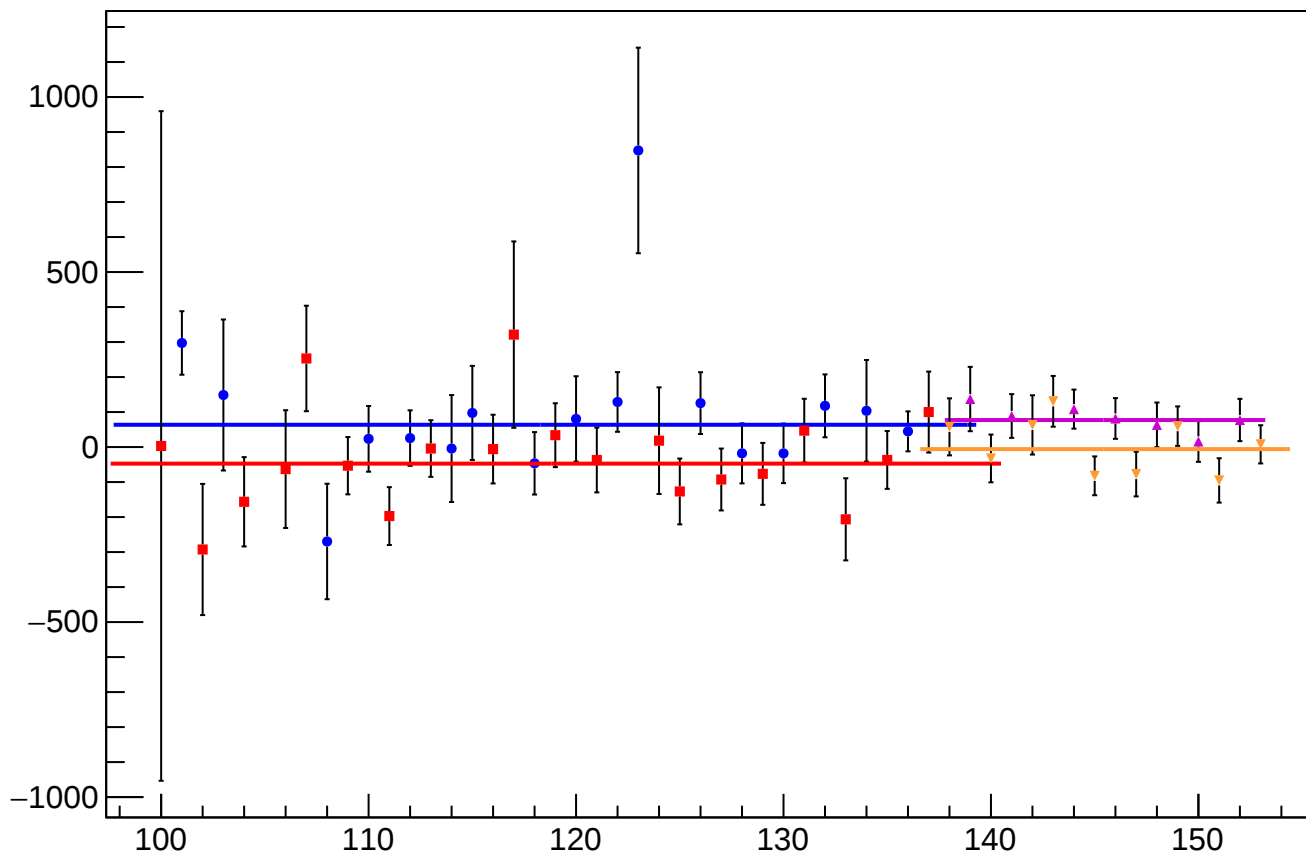
Right Out: 2446.366+/-0.663 χ^2/NDF : 680413.3/19

Left In: 1659.988+/-0.493 χ^2/NDF : 108349.3/6

1810.693+/-0.365 χ^2/NDF : 1760184.6/25

1940.216+/-0.396 χ^2/NDF : 1695389.4/26

reg_asym_sam_37_dd_mean vs Slug



Right In: 63.666+/-23.743 χ^2/NDF : 23.7/16

Left Out: -5.863+/-21.487 χ^2/NDF : 11.5/8

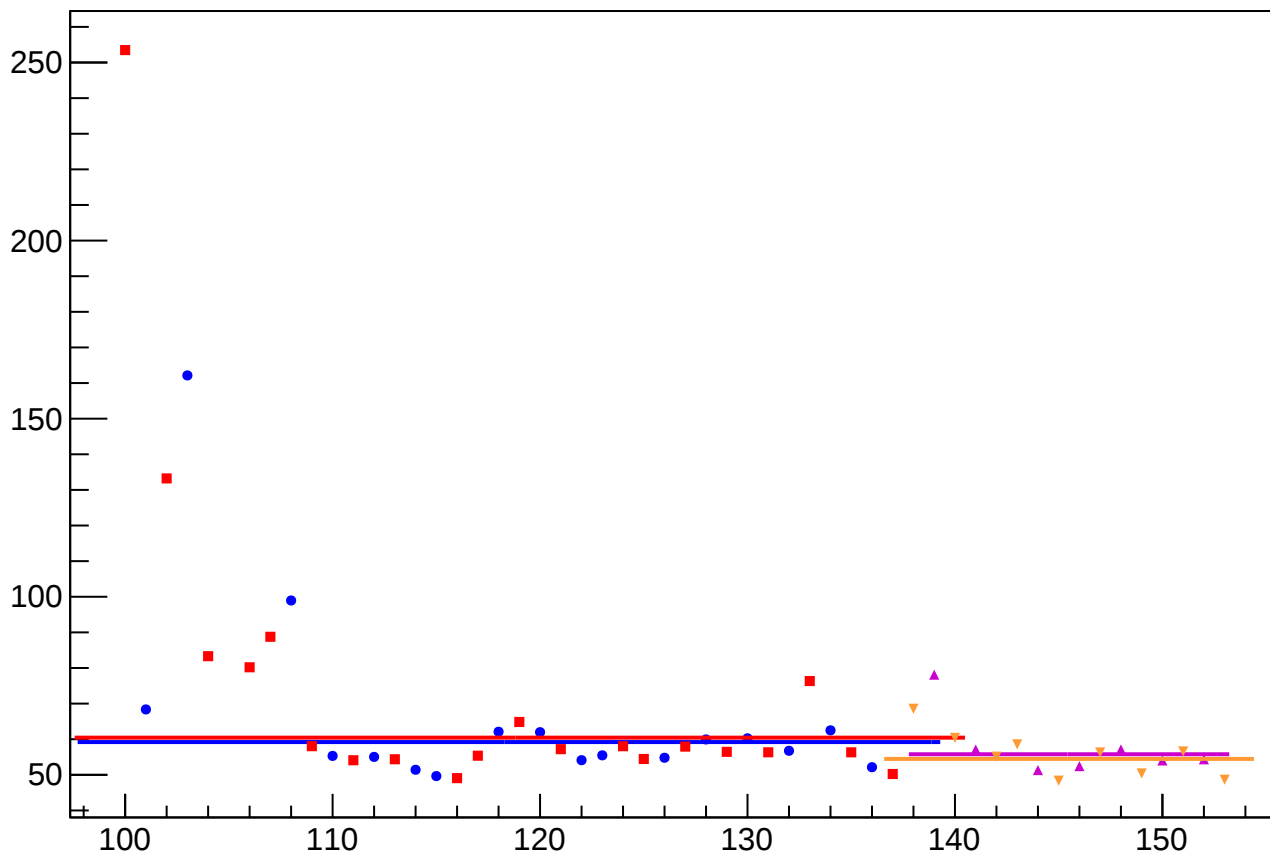
Right Out: -47.367+/-23.568 χ^2/NDF : 18.7/19

Left In: 77.167+/-23.533 χ^2/NDF : 1.9/6

25.443+/-15.932 χ^2/NDF : 39.9/25

14.993+/-16.653 χ^2/NDF : 34.7/26

reg_asym_sam_37_dd_rms vs Slug



Right In: 59.200 $\pm$ 0.017 χ^2 /NDF: 665472.4/16

Left Out: 54.470 $\pm$ 0.015 χ^2 /NDF: 142734.5/8

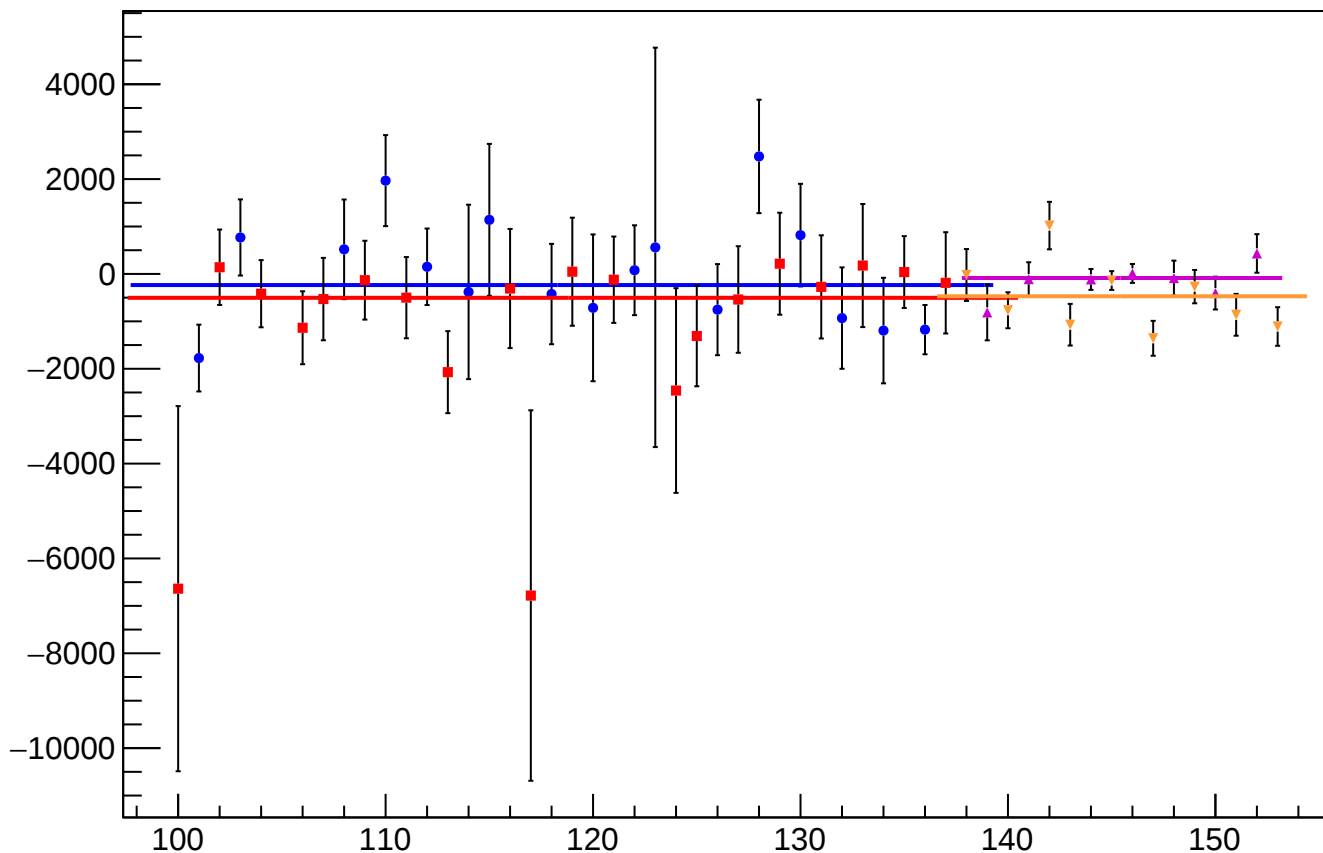
Right Out: 60.443 $\pm$ 0.017 χ^2 /NDF: 680790.3/19

Left In: 55.778 $\pm$ 0.017 χ^2 /NDF: 142100.2/6

56.600 $\pm$ 0.011 χ^2 /NDF: 851843.6/25

58.107 $\pm$ 0.012 χ^2 /NDF: 862127.2/26

asym_sam_37_dd_correction_mean vs Slug



Right In: -234.492 ± 233.880 χ^2/NDF : 24.2/16

Left Out: -471.263 ± 118.144 χ^2/NDF : 24.2/8

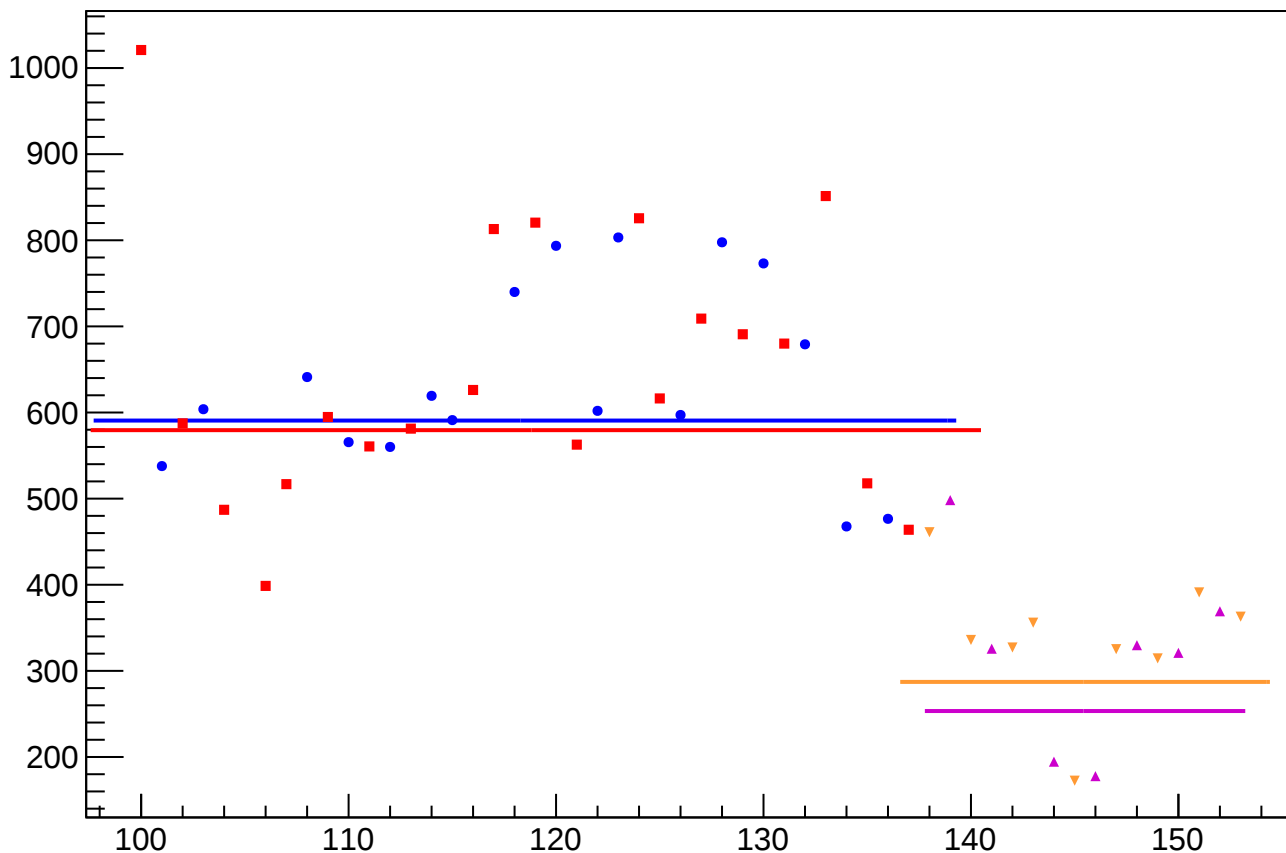
Right Out: -503.638 ± 221.955 χ^2/NDF : 13.2/19

Left In: -85.992 ± 113.068 χ^2/NDF : 4.2/6

-423.128 ± 105.453 χ^2/NDF : 49.2/25

-172.044 ± 100.749 χ^2/NDF : 20.2/26

asym_sam_37_dd_correction_rms vs Slug



Right In: 590.659 $\pm$ 0.165 χ^2/NDF : 352080.1/16

Left Out: 287.190 $\pm$ 0.084 χ^2/NDF :1181846.3/8

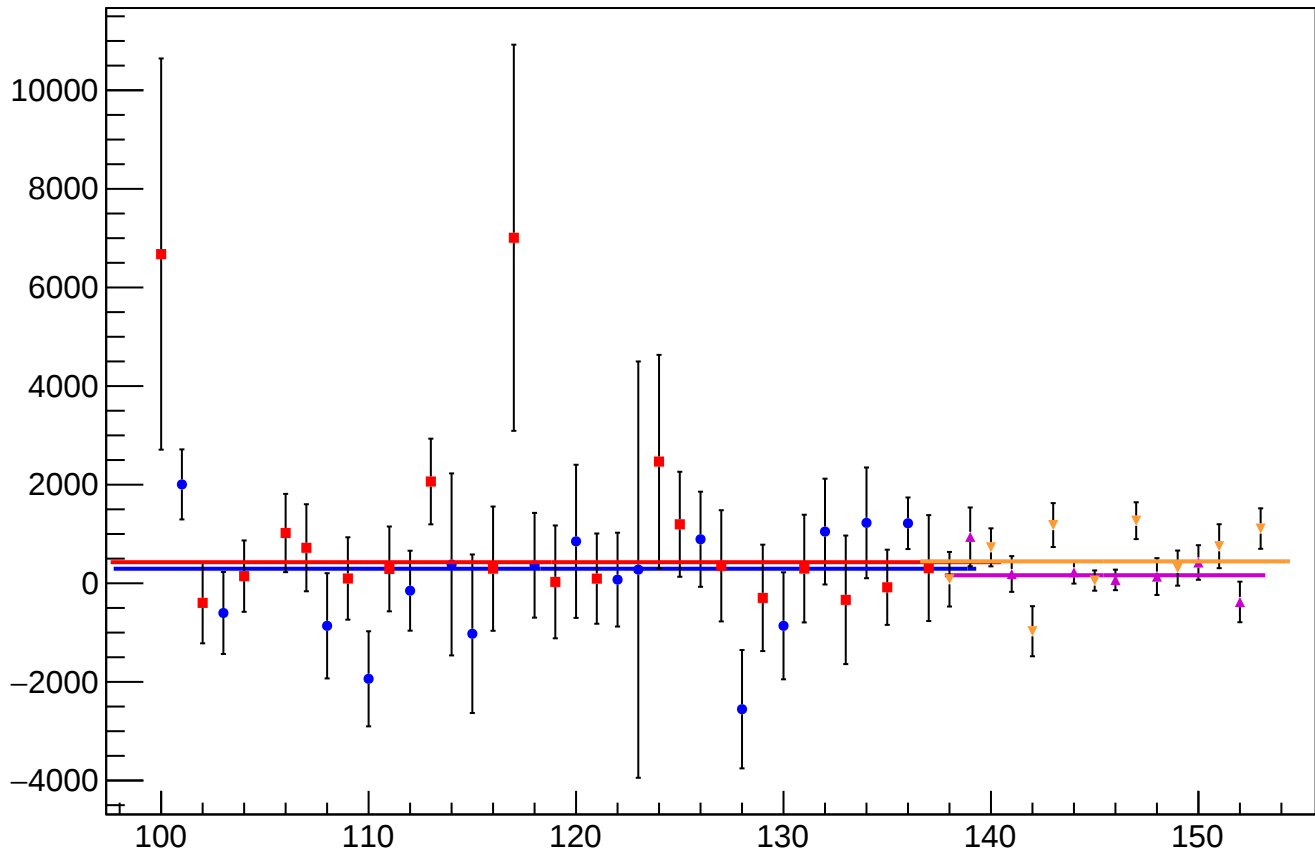
Right Out: 579.509 $\pm$ 0.157 χ^2/NDF : 501132.1/19

Left In: 253.368 $\pm$ 0.080 χ^2/NDF :1183007.4/6

348.884 $\pm$ 0.075 χ^2/NDF : 4216610.2/25

320.566 $\pm$ 0.071 χ^2/NDF : 5112683.0/26

asym_sam_37_dd_mean vs Slug



Right In: 295.401 $\pm$ 235.860 χ^2 /NDF: 26.1/16

Left Out: 445.800 $\pm$ 120.770 χ^2 /NDF: 23.2/8

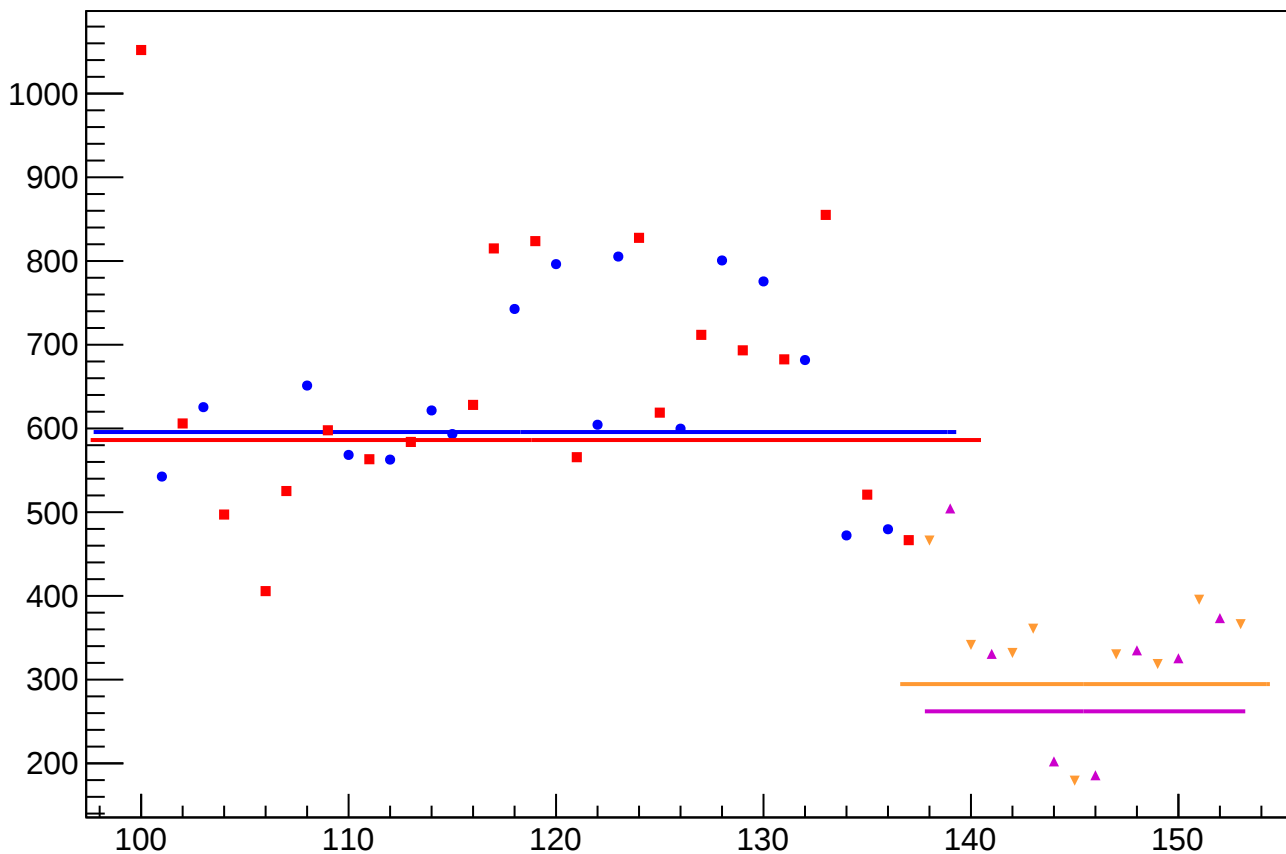
Right Out: 427.853 $\pm$ 224.485 χ^2 /NDF: 13.8/19

Left In: 164.007 $\pm$ 116.396 χ^2 /NDF: 4.3/6

414.559 $\pm$ 107.497 χ^2 /NDF: 49.6/25

219.911 $\pm$ 103.331 χ^2 /NDF: 19.2/26

asym_sam_37_dd_rms vs Slug



Right In: 595.734 $\pm$ 0.167 χ^2 /NDF: 350058.2/16

Left Out: 294.666 $\pm$ 0.085 χ^2 /NDF:1095448.2/8

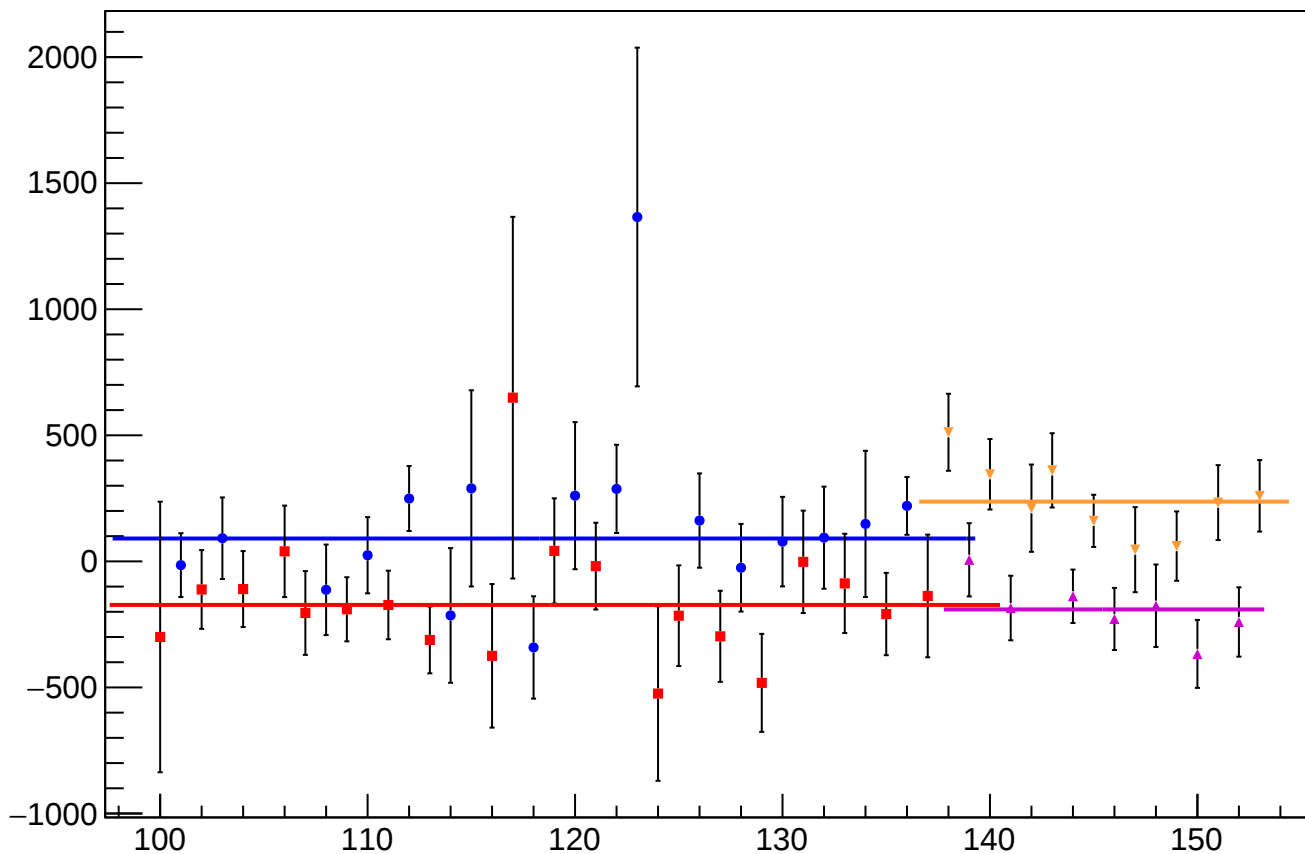
Right Out: 586.176 $\pm$ 0.159 χ^2 /NDF: 481325.4/19

Left In: 262.128 $\pm$ 0.082 χ^2 /NDF:1096167.2/6

357.204 $\pm$ 0.076 χ^2 /NDF: 4027330.1/25

330.787 $\pm$ 0.073 χ^2 /NDF: 4861965.0/26

reg_asym_sam_48_dd_mean vs Slug



Right In: 90.711+/-43.312 χ^2/NDF : 16.9/16

Left Out: 236.969+/-47.145 χ^2/NDF : 8.1/8

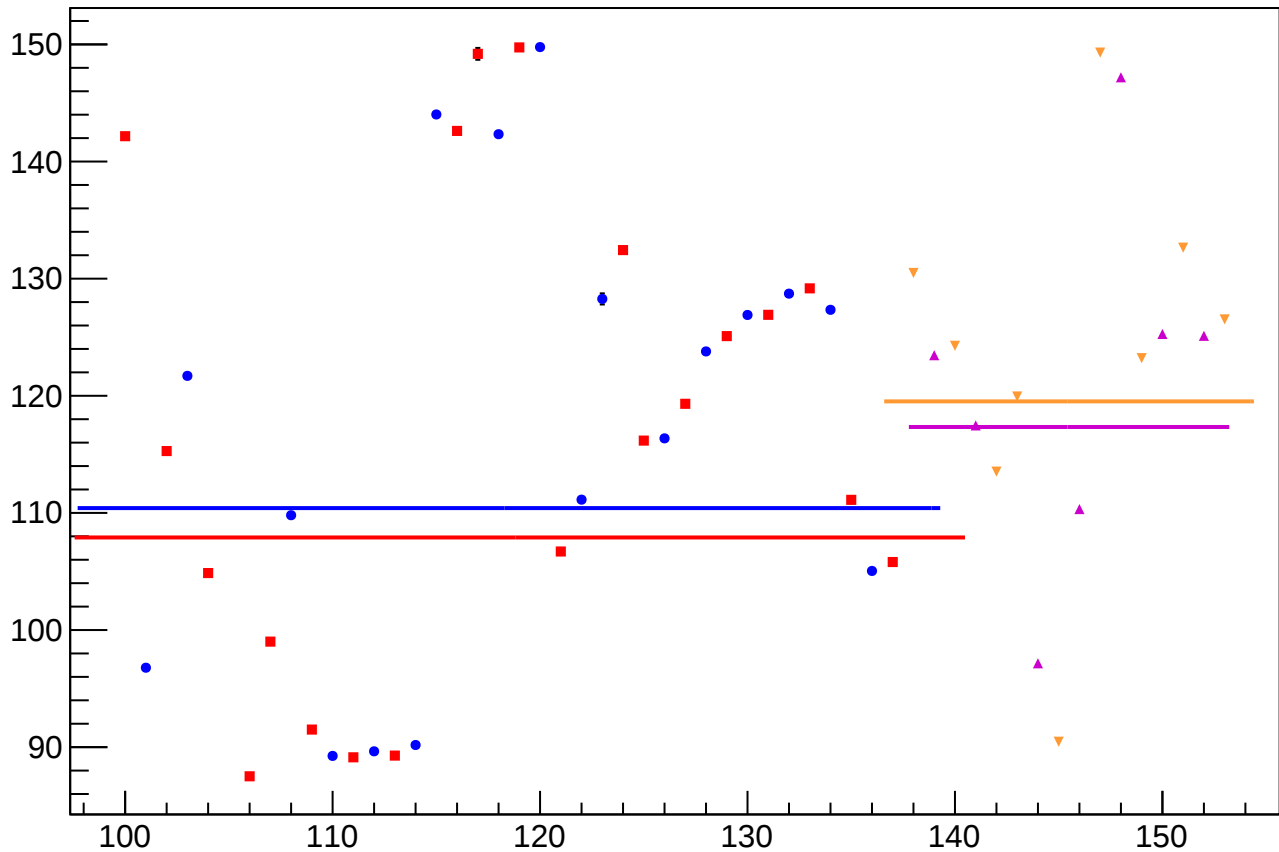
Right Out: -172.786+/-41.033 χ^2/NDF : 11.6/19

Left In: -190.556+/-49.451 χ^2/NDF : 4.0/6

157.654+/-31.895 χ^2/NDF : 30.2/25

-180.032+/-31.578 χ^2/NDF : 15.7/26

reg_asym_sam_48_dd_rms vs Slug



Right In: 110.411 ± 0.031 χ^2/NDF : 296425.4/16

Left Out: 119.522 ± 0.033 χ^2/NDF : 257020.0/8

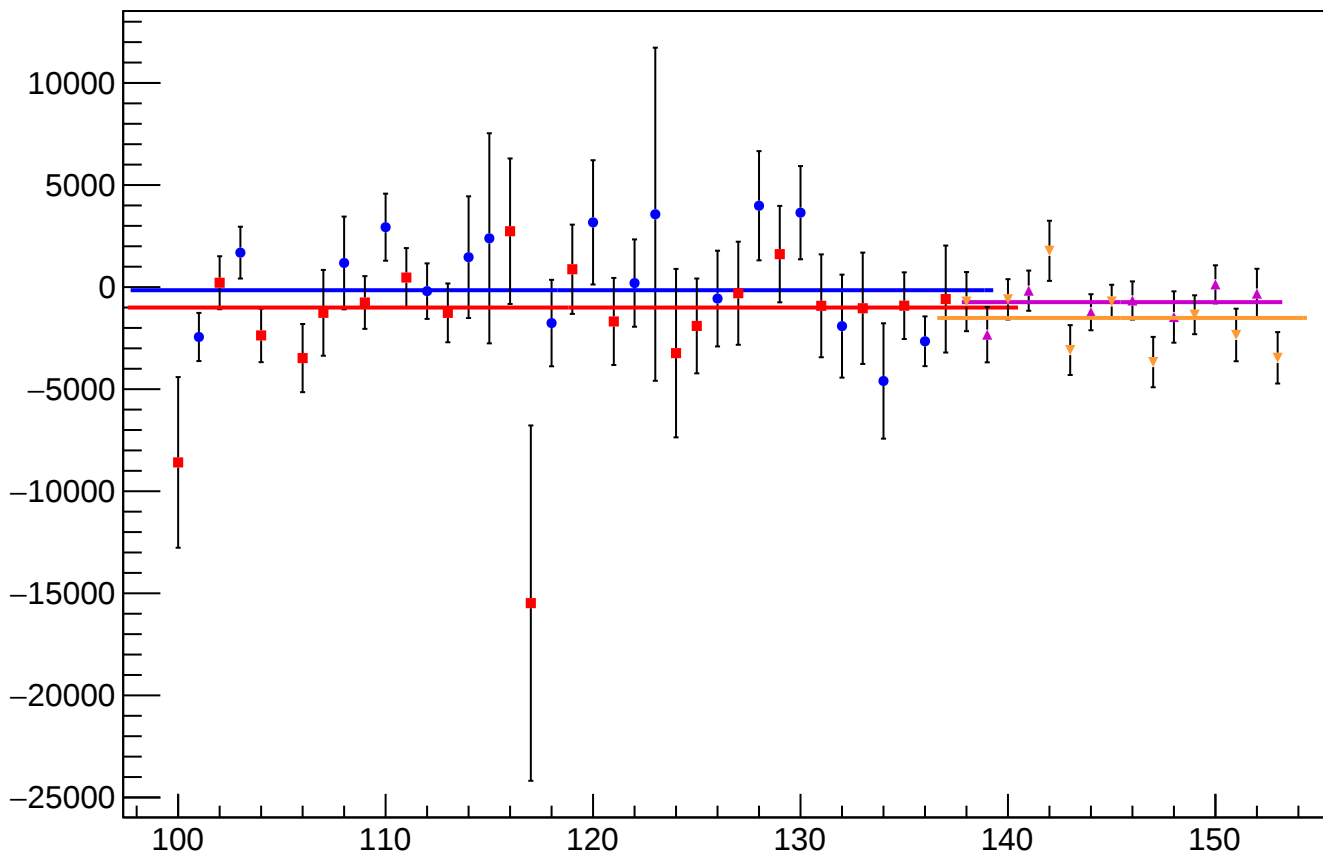
Right Out: 107.903 ± 0.029 χ^2/NDF : 351091.4/19

Left In: 117.336 ± 0.035 χ^2/NDF : 162586.2/6

114.581 ± 0.023 χ^2/NDF : 593947.9/25

111.750 ± 0.022 χ^2/NDF : 556769.4/26

asym_sam_48_dd_correction_mean vs Slug



Right In: -152.403+/-464.753 χ^2 /NDF: 24.7/16

Left Out: -1510.142+/-374.666 χ^2 /NDF:14.7/8

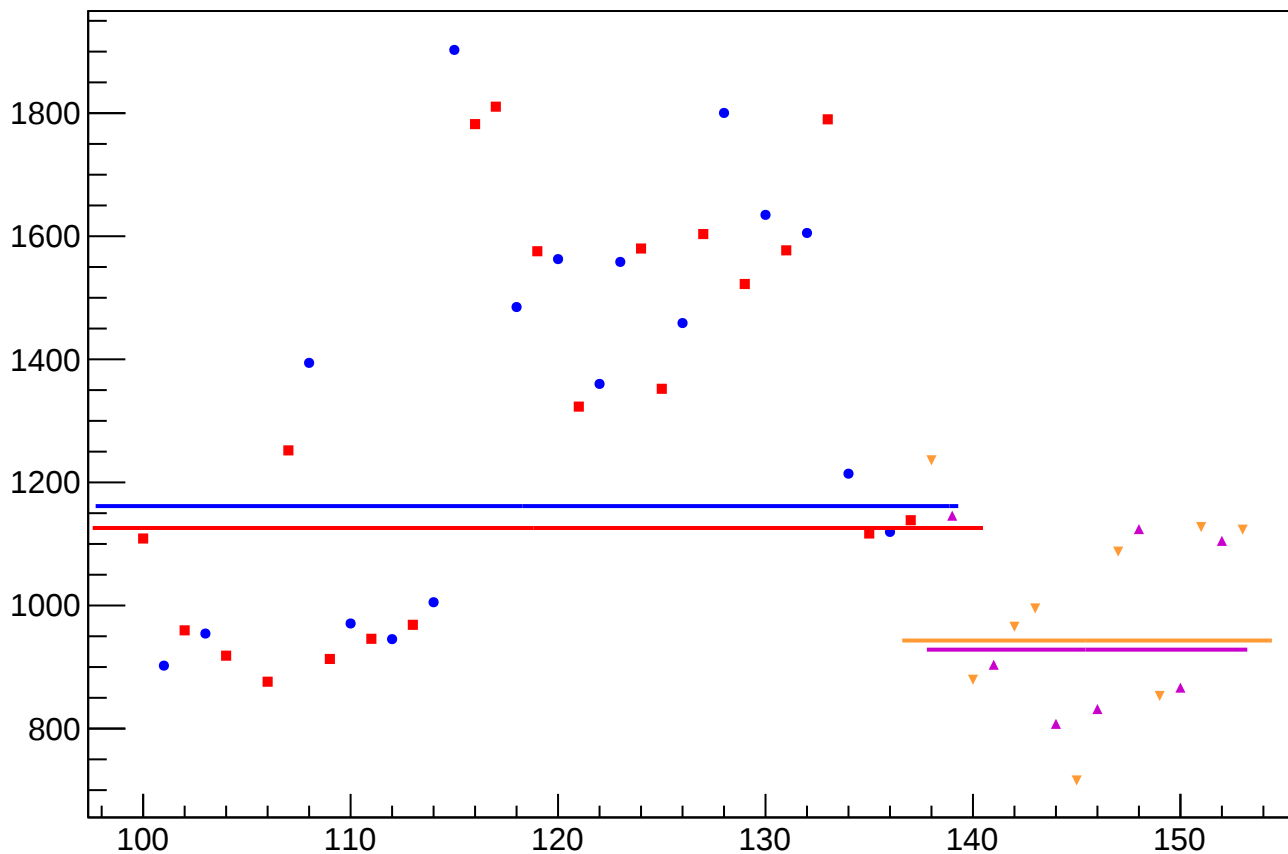
Right Out: -1000.907+/-434.569 χ^2 /NDF: 15.1/19

Left In: -736.627+/-393.395 χ^2 /NDF:3.4/6

-975.326+/-291.686 χ^2 /NDF: 44.5/25

-855.657+/-291.645 χ^2 /NDF: 18.6/26

asym_sam_48_dd_correction_rms vs Slug



Right In: 1161.530+/-0.329 χ^2/NDF : 695906.9/16

Left Out: 943.089+/-0.265 χ^2/NDF : 375984.1/8

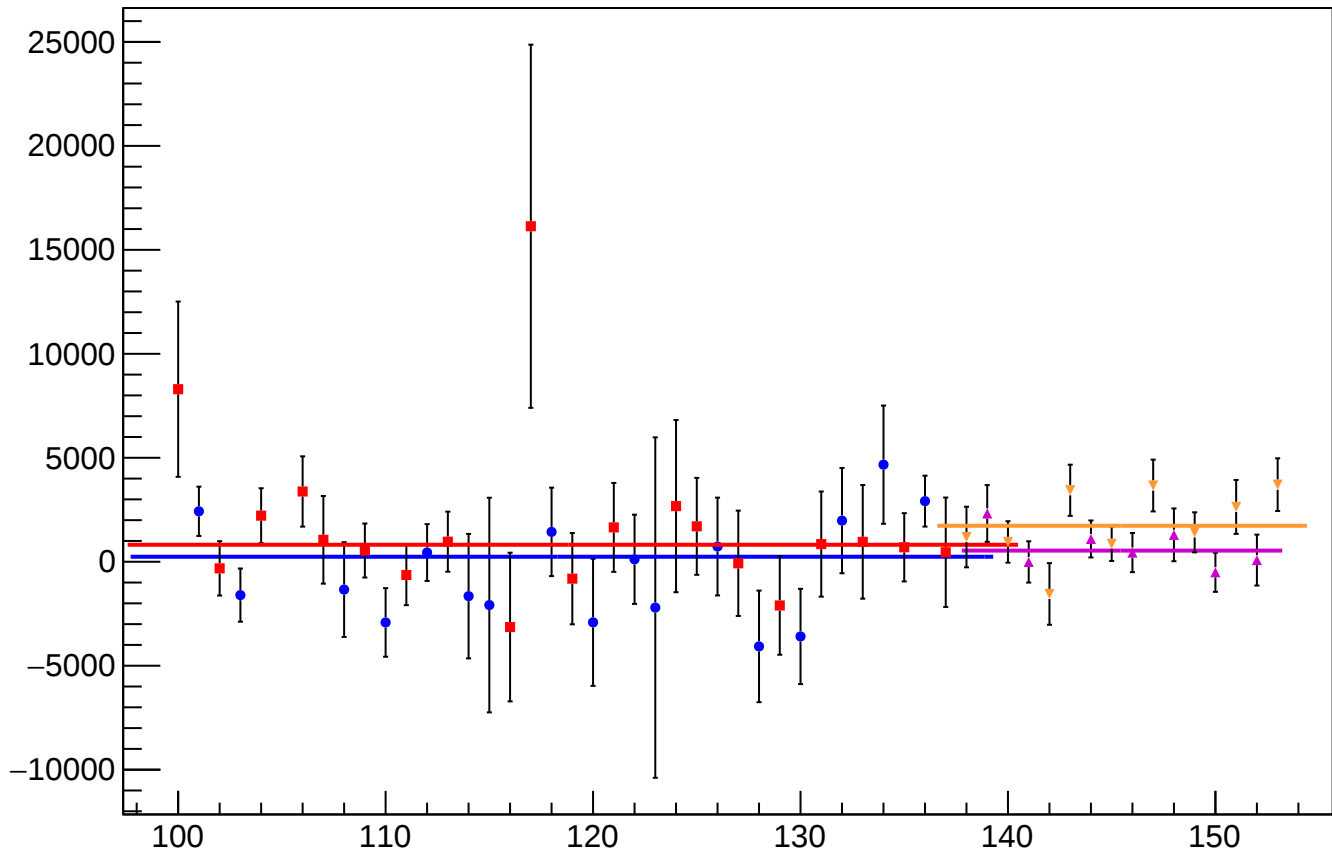
Right Out: 1125.946+/-0.307 χ^2/NDF : 780195.3/19

Left In: 928.258+/-0.278 χ^2/NDF : 210843.9/6

1029.133+/-0.206 χ^2/NDF : 1339684.8/25

1017.296+/-0.206 χ^2/NDF : 1218508.2/26

asym_sam_48_dd_mean vs Slug



Right In: 240.732 $\pm$ 467.036 χ^2 /NDF: 24.8/16

Left Out: 1730.390 $\pm$ 377.796 χ^2 /NDF:14.1/8

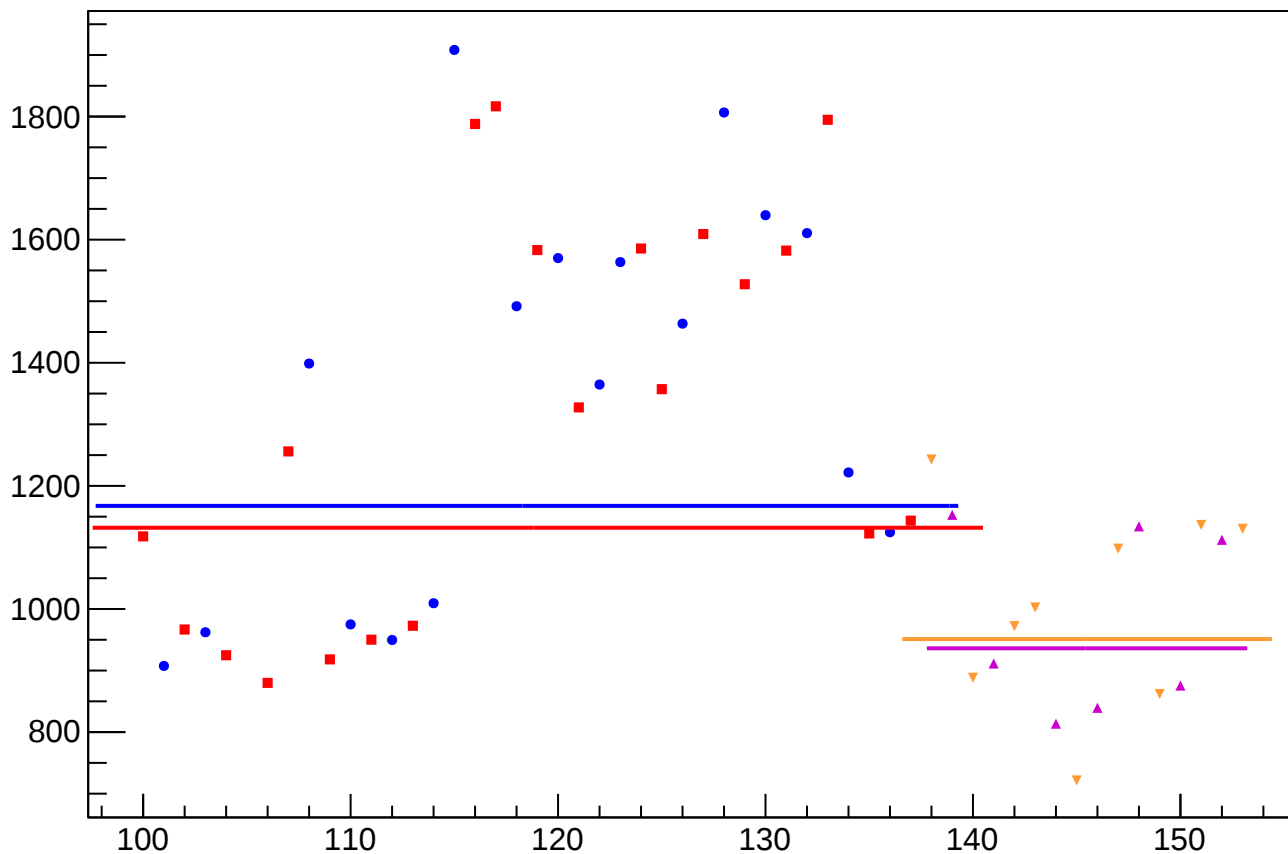
Right Out: 817.635 $\pm$ 436.939 χ^2 /NDF: 15.4/19

Left In: 536.382 $\pm$ 396.669 χ^2 /NDF:4.1/6

1141.178 $\pm$ 293.726 χ^2 /NDF: 45.1/25

663.453 $\pm$ 293.695 χ^2 /NDF: 19.8/26

asym_sam_48_dd_rms vs Slug



Right In: 1167.539+/-0.330 χ^2/NDF : 690485.6/16

Left Out: 951.154+/-0.267 χ^2/NDF : 373201.9/8

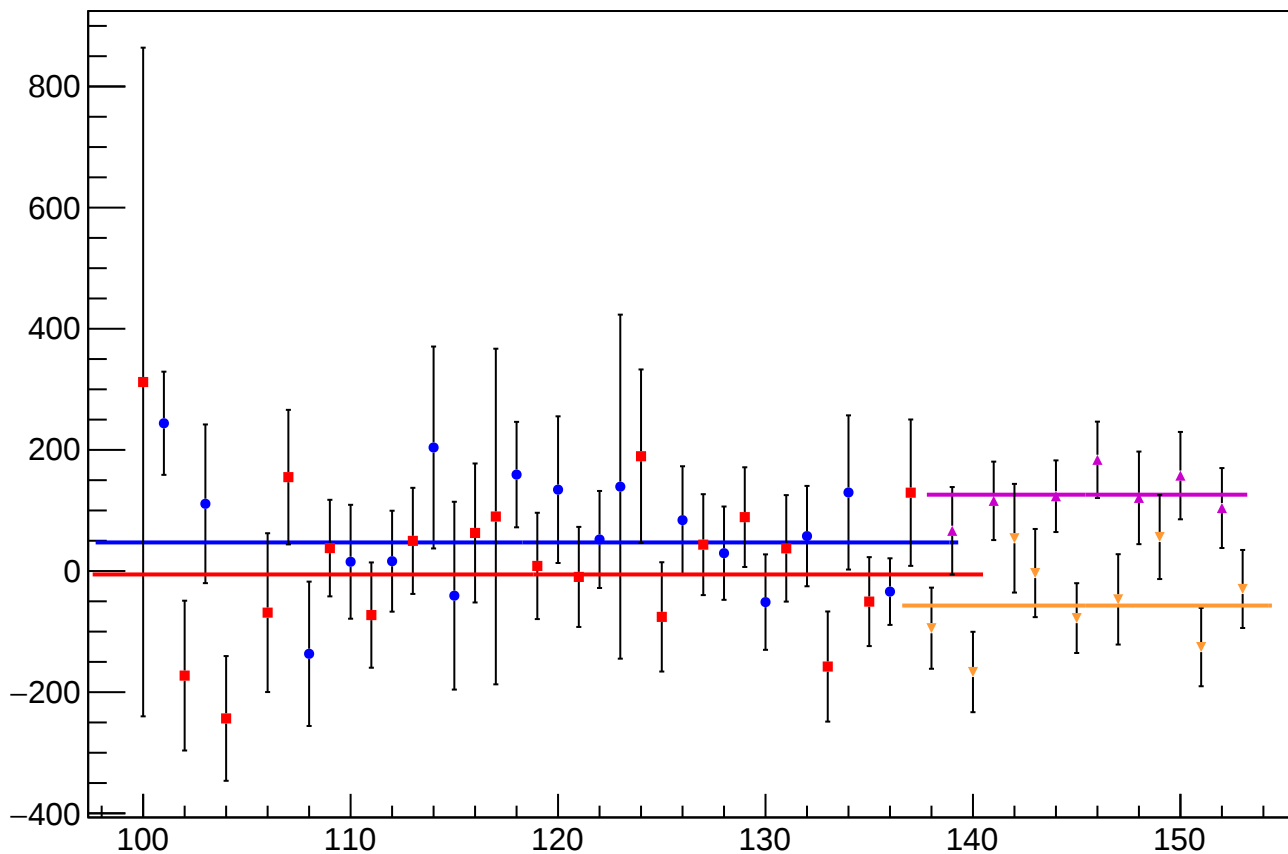
Right Out: 1132.019+/-0.309 χ^2/NDF : 773827.8/19

Left In: 936.146+/-0.280 χ^2/NDF : 209107.4/6

1036.742+/-0.208 χ^2/NDF : 1323197.2/25

1024.642+/-0.208 χ^2/NDF : 1203264.8/26

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 47.220 $\pm$ 22.565 χ^2 /NDF: 16.1/16

Left Out: -57.001 $\pm$ 22.757 χ^2 /NDF:9.2/8

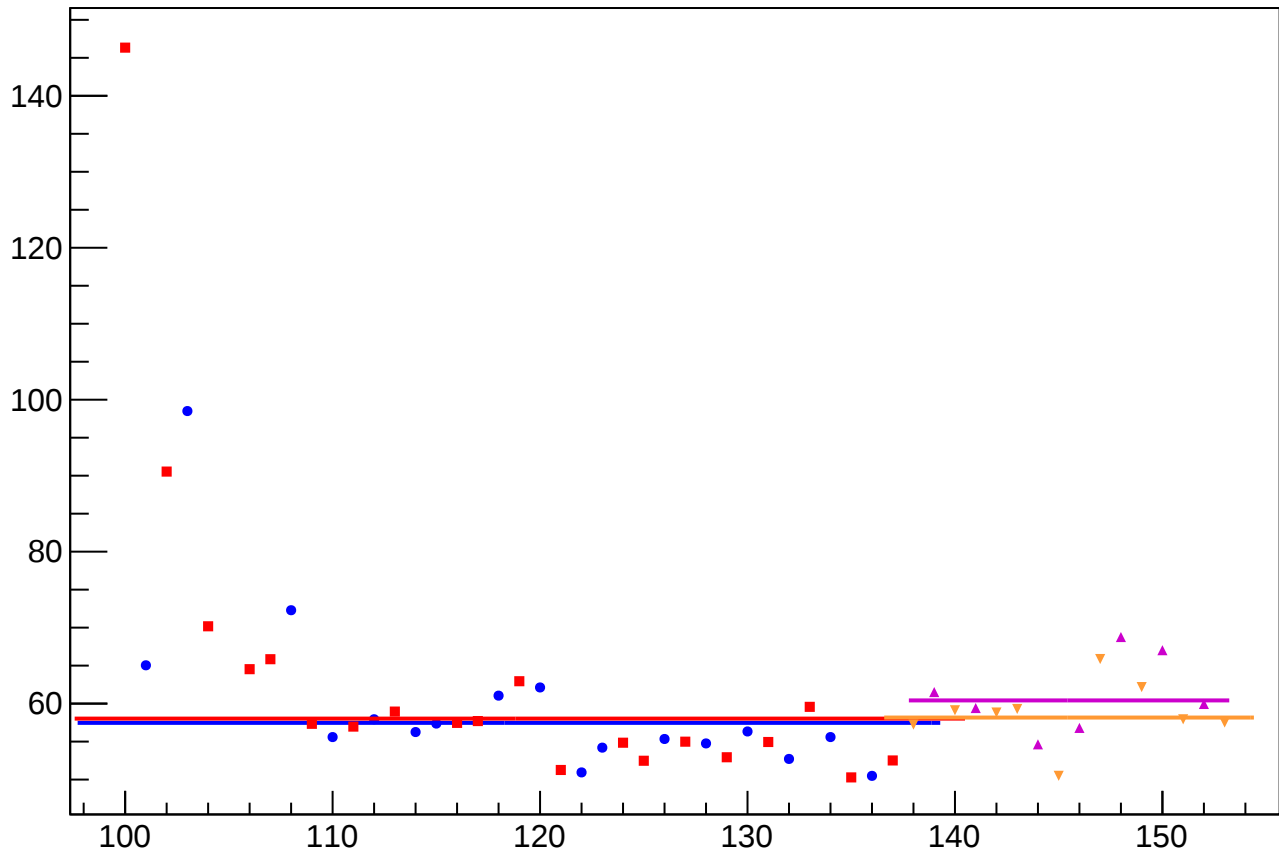
Right Out: -5.636 $\pm$ 22.057 χ^2 /NDF: 20.4/19

Left In: 126.058 $\pm$ 25.314 χ^2 /NDF:1.8/6

-4.448 $\pm$ 16.023 χ^2 /NDF: 35.9/25

51.199 $\pm$ 16.630 χ^2 /NDF: 37.6/26

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 57.465 $\pm$ 0.016 χ^2 /NDF: 307156.4/16

Left Out: 58.164 $\pm$ 0.016 χ^2 /NDF: 65036.1/8

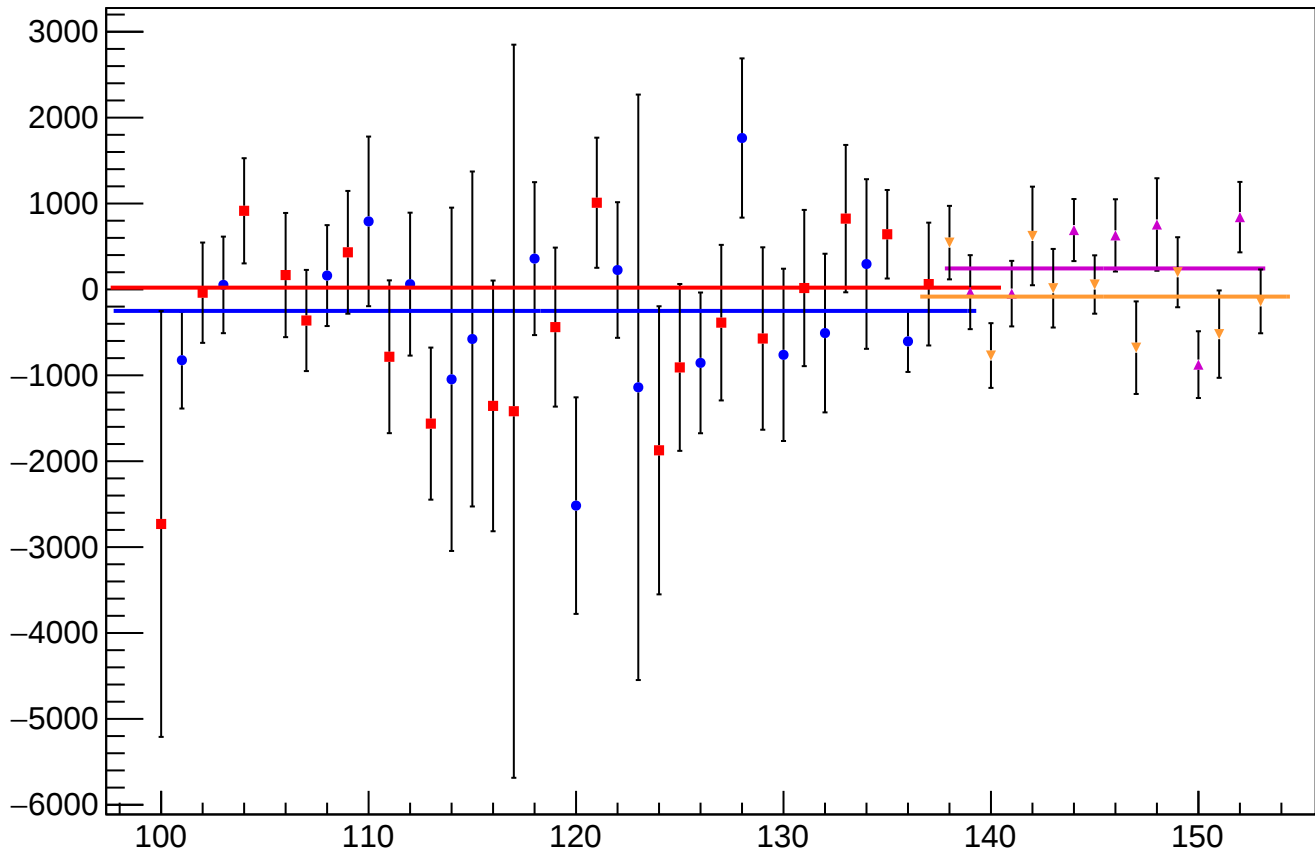
Right Out: 58.025 $\pm$ 0.016 χ^2 /NDF: 300790.9/19

Left In: 60.419 $\pm$ 0.018 χ^2 /NDF: 67348.6/6

57.812 $\pm$ 0.011 χ^2 /NDF: 373141.9/25

59.058 $\pm$ 0.012 χ^2 /NDF: 378310.2/26

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -250.140 $\pm$ 184.092 χ^2/NDF : 14.3/16

Left Out: -83.648 $\pm$ 142.058 χ^2/NDF : 9.7/8

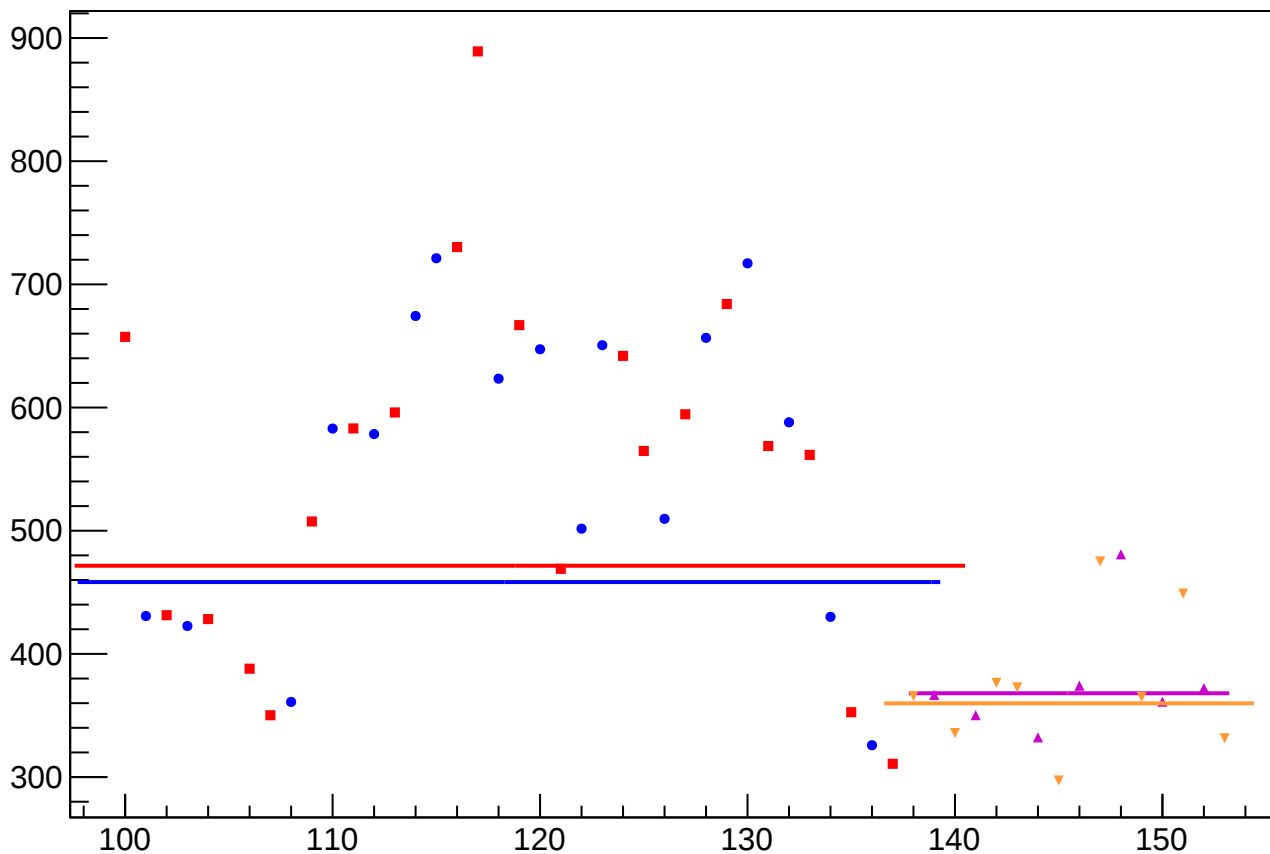
Right Out: 20.701 $\pm$ 181.669 χ^2/NDF : 16.2/19

Left In: 244.266 $\pm$ 155.068 χ^2/NDF : 14.7/6

-145.787 $\pm$ 112.466 χ^2/NDF : 24.5/25

150.035 $\pm$ 117.944 χ^2/NDF : 31.7/26

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 458.324+/-0.130 χ^2/NDF : 877201.7/16

Left Out: 359.867+/-0.100 χ^2/NDF : 244716.9/8

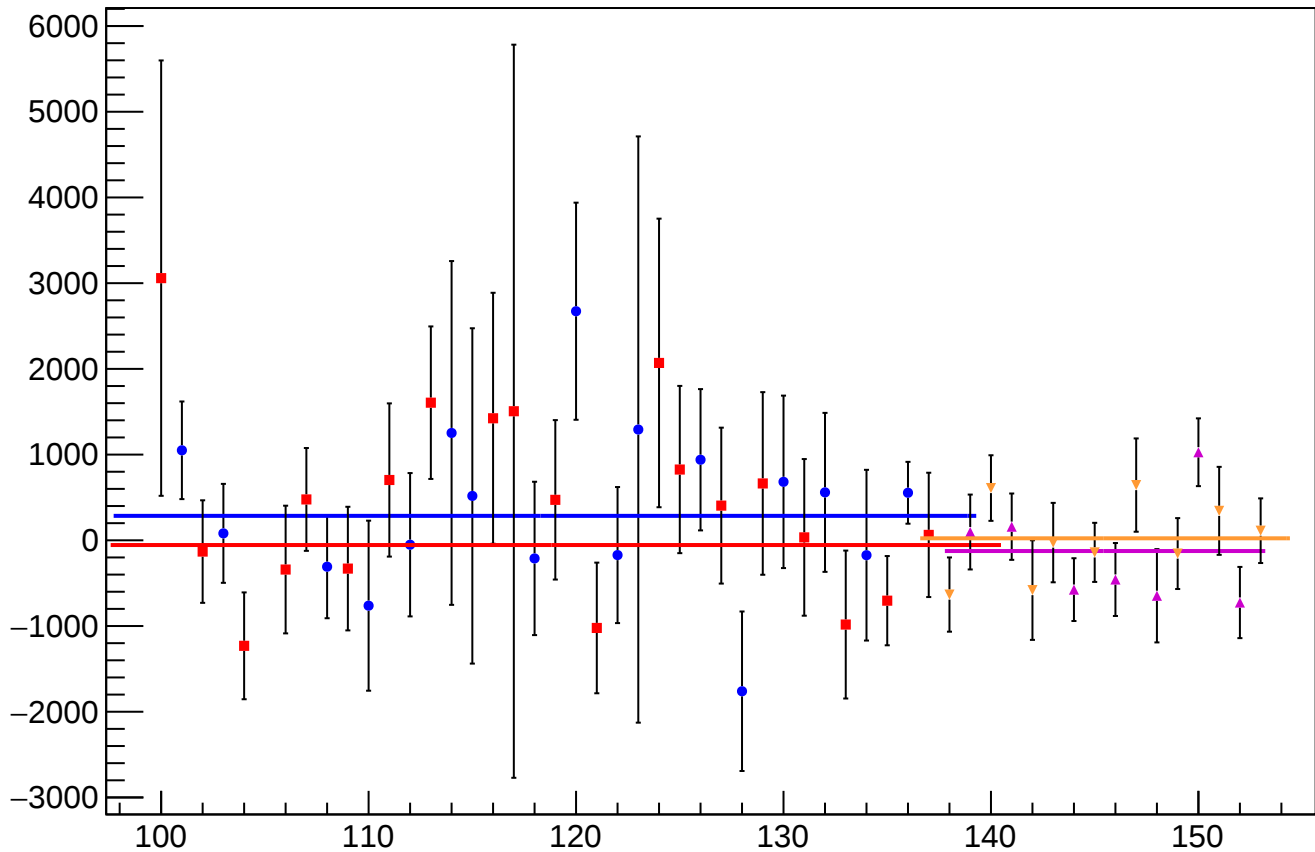
Right Out: 471.585+/-0.128 χ^2/NDF : 797816.0/19

Left In: 368.050+/-0.110 χ^2/NDF : 113071.6/6

396.614+/-0.080 χ^2/NDF : 1480481.6/25

411.689+/-0.083 χ^2/NDF : 1286685.2/26

asym_sam_13_57_dd_mean vs Slug



Right In: 285.349 ± 186.262 $\chi^2/\text{NDF}: 15.2/16$

Left Out: 23.334 ± 143.969 $\chi^2/\text{NDF}: 7.9/8$

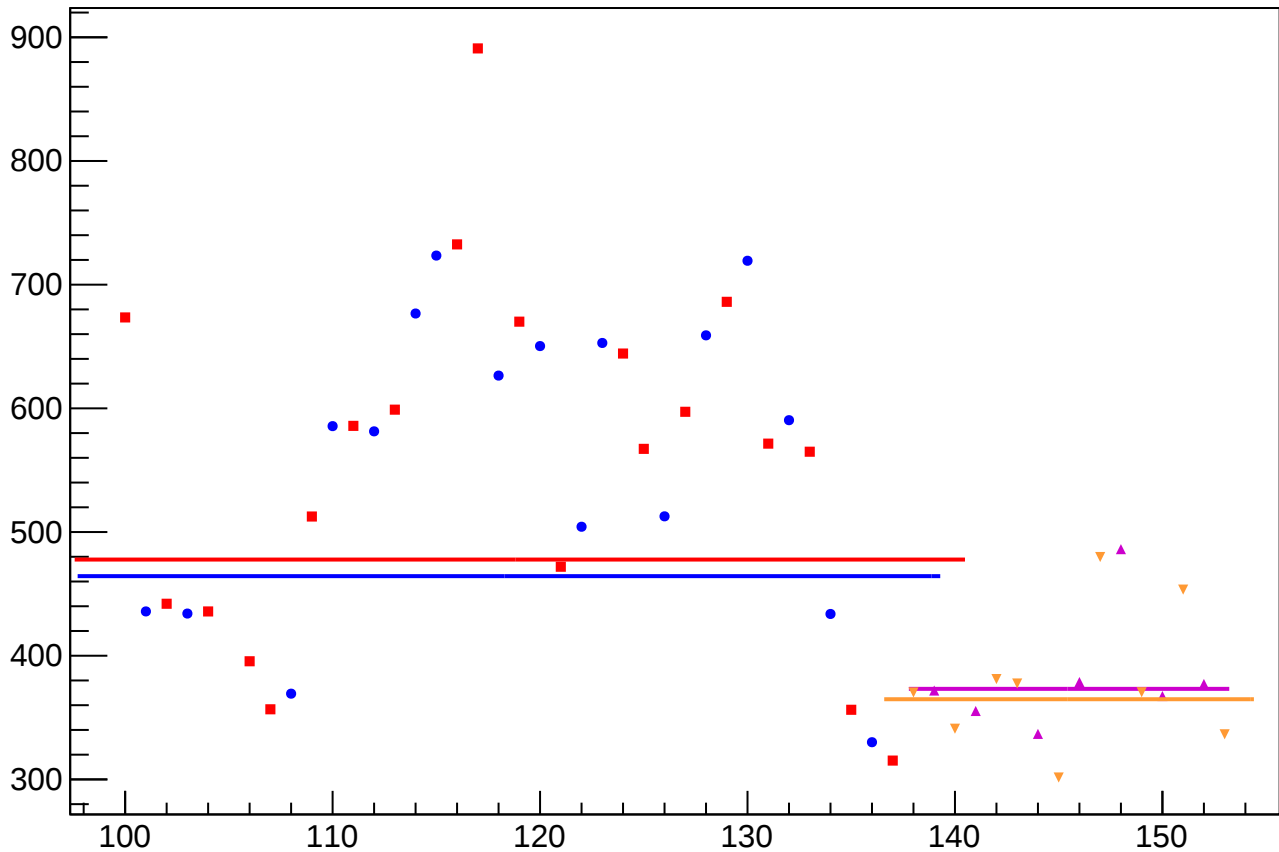
Right Out: -55.109 ± 183.903 $\chi^2/\text{NDF}: 19.3/19$

Left In: -125.103 ± 157.209 $\chi^2/\text{NDF}: 14.4/6$

121.326 ± 113.909 $\chi^2/\text{NDF}: 24.3/25$

-95.550 ± 119.498 $\chi^2/\text{NDF}: 33.8/26$

asym_sam_13_57_dd_rms vs Slug



Right In: 464.341+/-0.132 χ^2/NDF : 845900.9/16

Left Out: 364.825+/-0.102 χ^2/NDF :239151.9/8

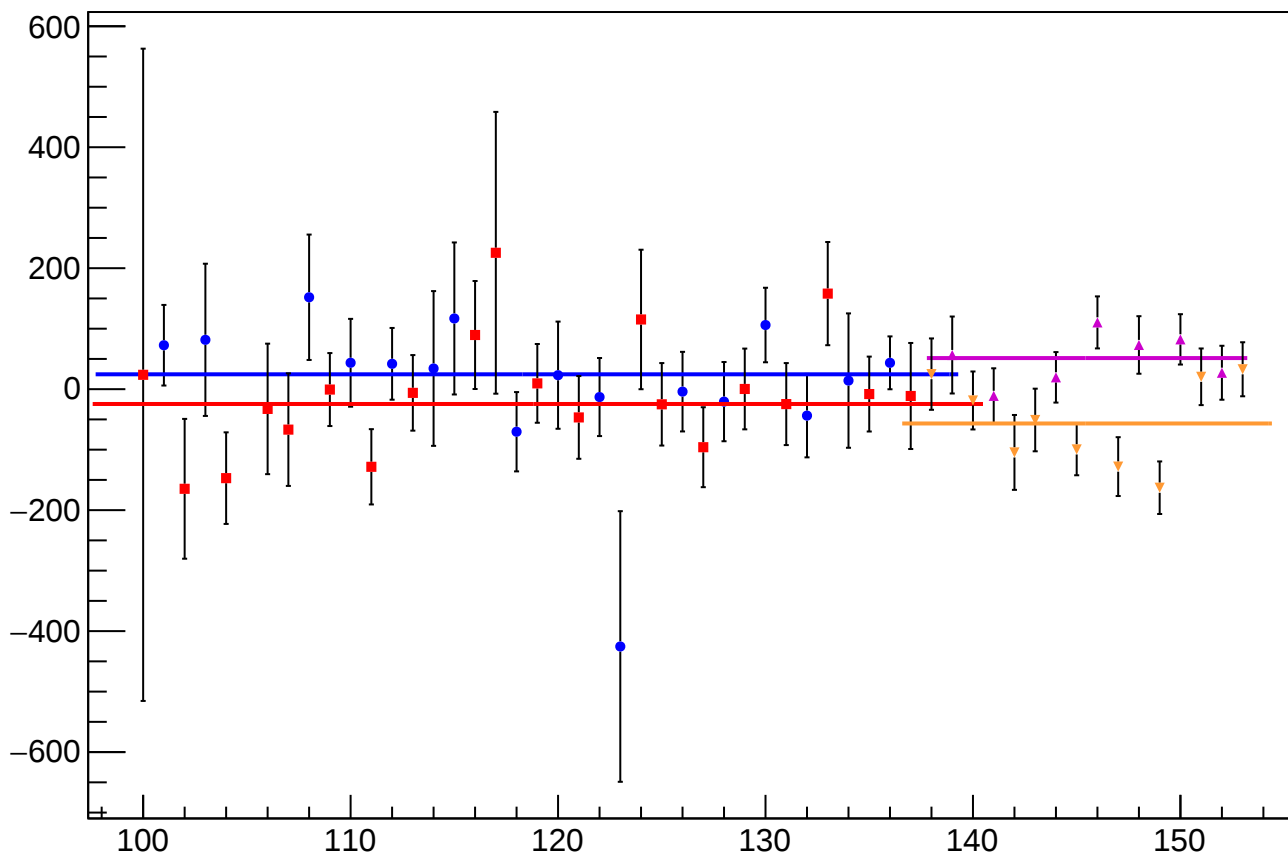
Right Out: 477.754+/-0.130 χ^2/NDF : 768041.0/19

Left In: 373.213+/-0.111 χ^2/NDF :111146.4/6

402.043+/-0.081 χ^2/NDF : 1442443.0/25

417.353+/-0.084 χ^2/NDF : 1252597.7/26

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 24.584 ± 17.839 $\chi^2/\text{NDF}: 13.0/16$

Left Out: -56.716 ± 16.193 $\chi^2/\text{NDF}: 19.0/8$

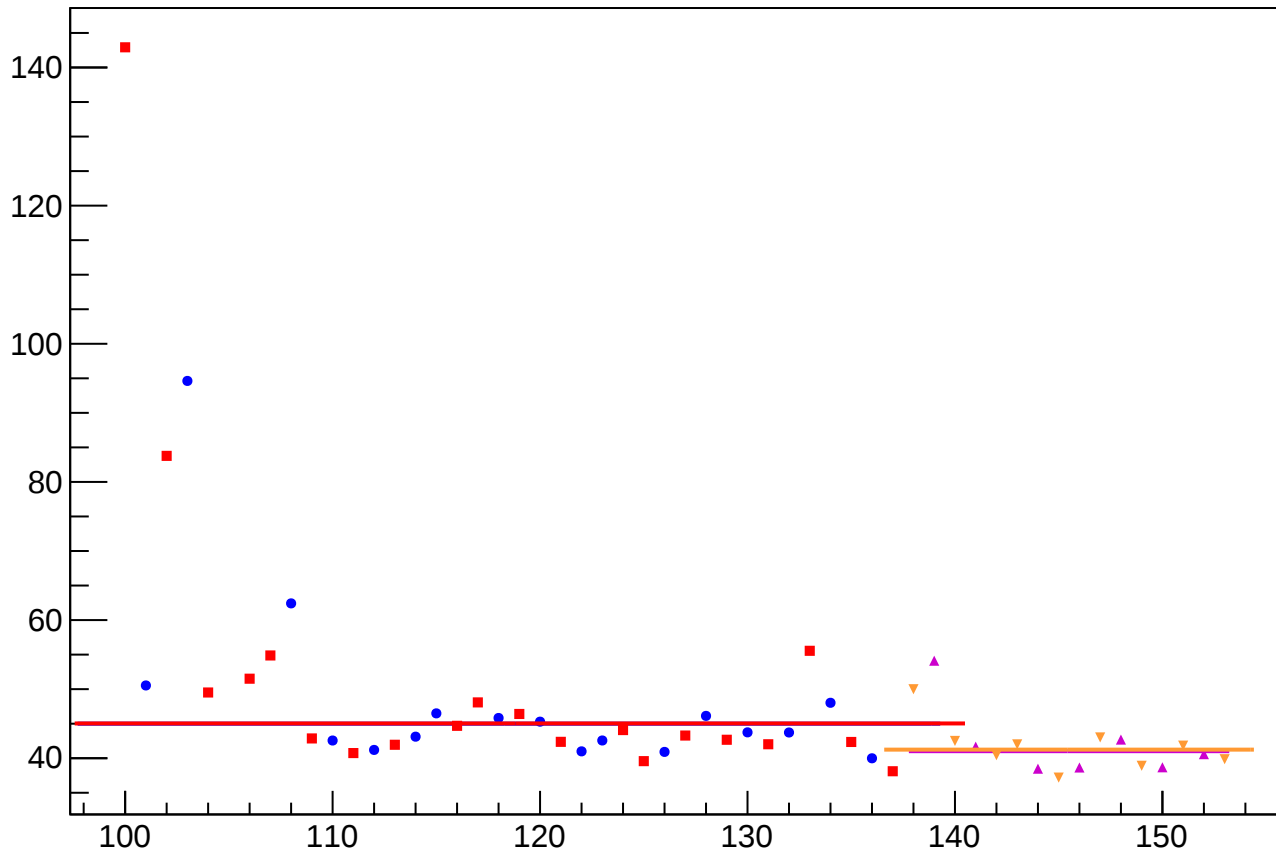
Right Out: -24.491 ± 17.338 $\chi^2/\text{NDF}: 18.0/19$

Left In: 51.421 ± 17.240 $\chi^2/\text{NDF}: 5.4/6$

-19.990 ± 11.990 $\chi^2/\text{NDF}: 43.4/25$

13.681 ± 12.225 $\chi^2/\text{NDF}: 33.0/26$

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.001 $\pm$ 0.013 χ^2 /NDF: 438352.8/16

Left Out: 41.244 $\pm$ 0.011 χ^2 /NDF:74673.9/8

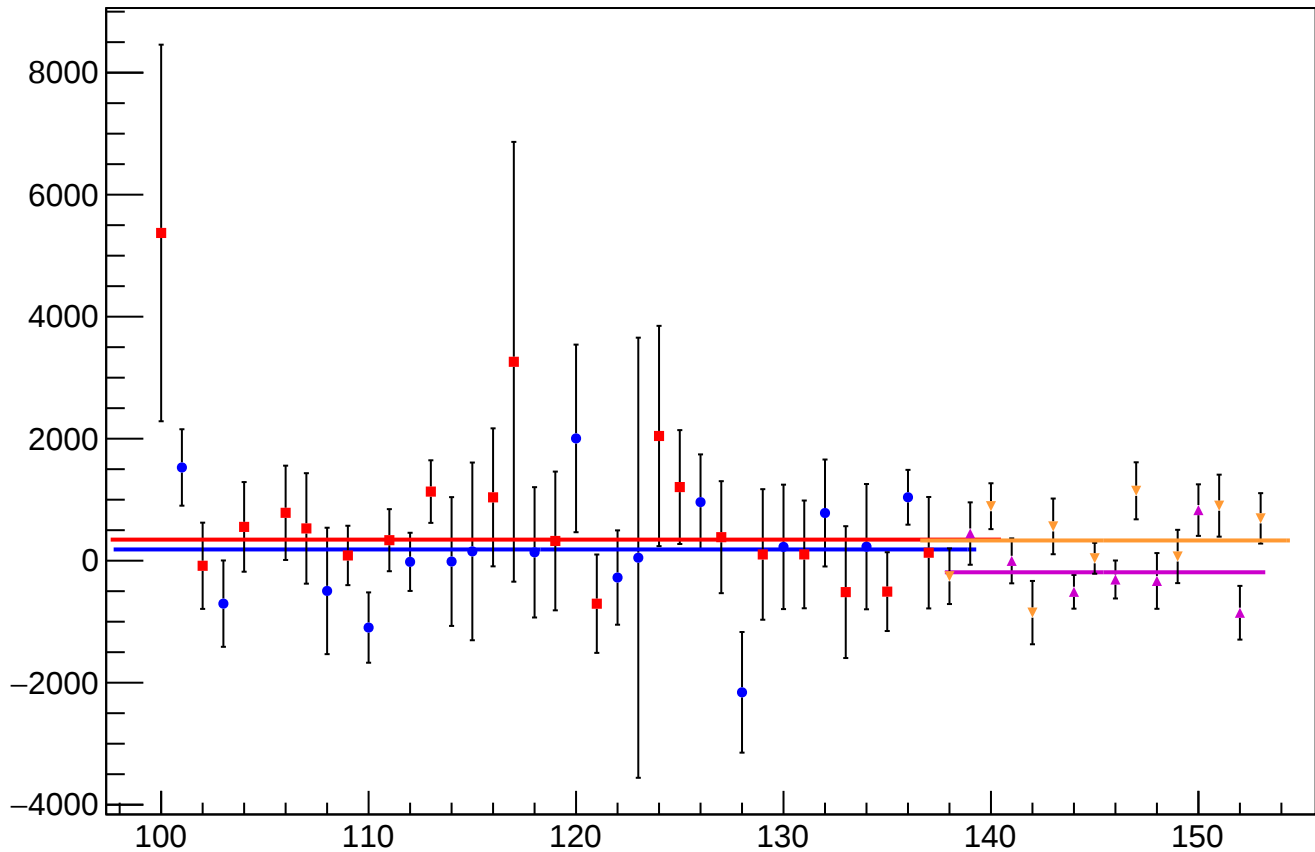
Right Out: 45.034 $\pm$ 0.012 χ^2 /NDF: 415853.3/19

Left In: 41.021 $\pm$ 0.012 χ^2 /NDF:107560.2/6

42.941 $\pm$ 0.008 χ^2 /NDF: 561661.5/25

43.016 $\pm$ 0.009 χ^2 /NDF: 577305.8/26

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 184.184 ± 188.558 χ^2/NDF : 24.2/16

Left Out: 331.564 ± 134.169 χ^2/NDF : 16.1/8

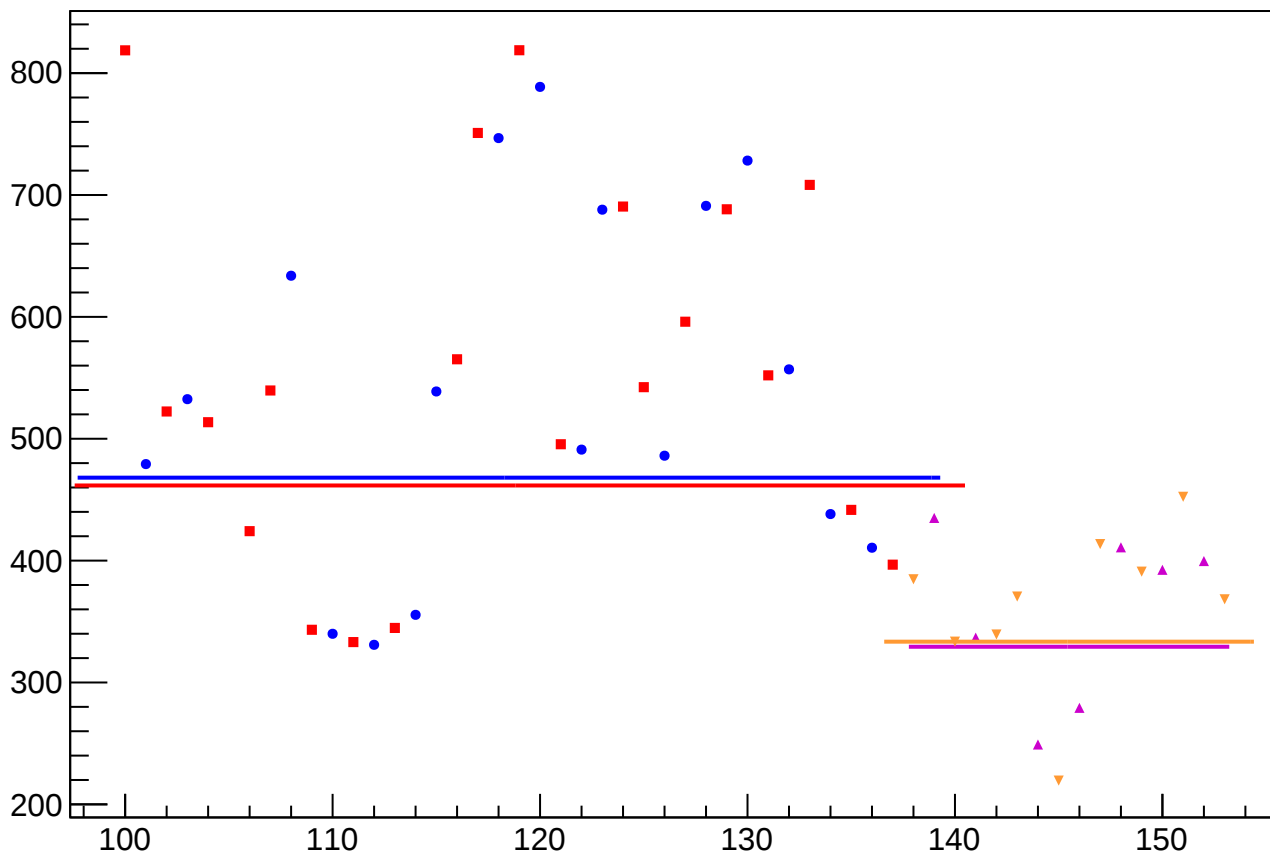
Right Out: 345.548 ± 179.160 χ^2/NDF : 13.1/19

Left In: -189.899 ± 141.206 χ^2/NDF : 11.5/6

282.026 ± 109.319 χ^2/NDF : 40.7/25

15.269 ± 110.901 χ^2/NDF : 30.1/26

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 468.071+/-0.133 χ^2/NDF : 880319.3/16

Left Out: 333.495+/-0.095 χ^2/NDF : 660852.8/8

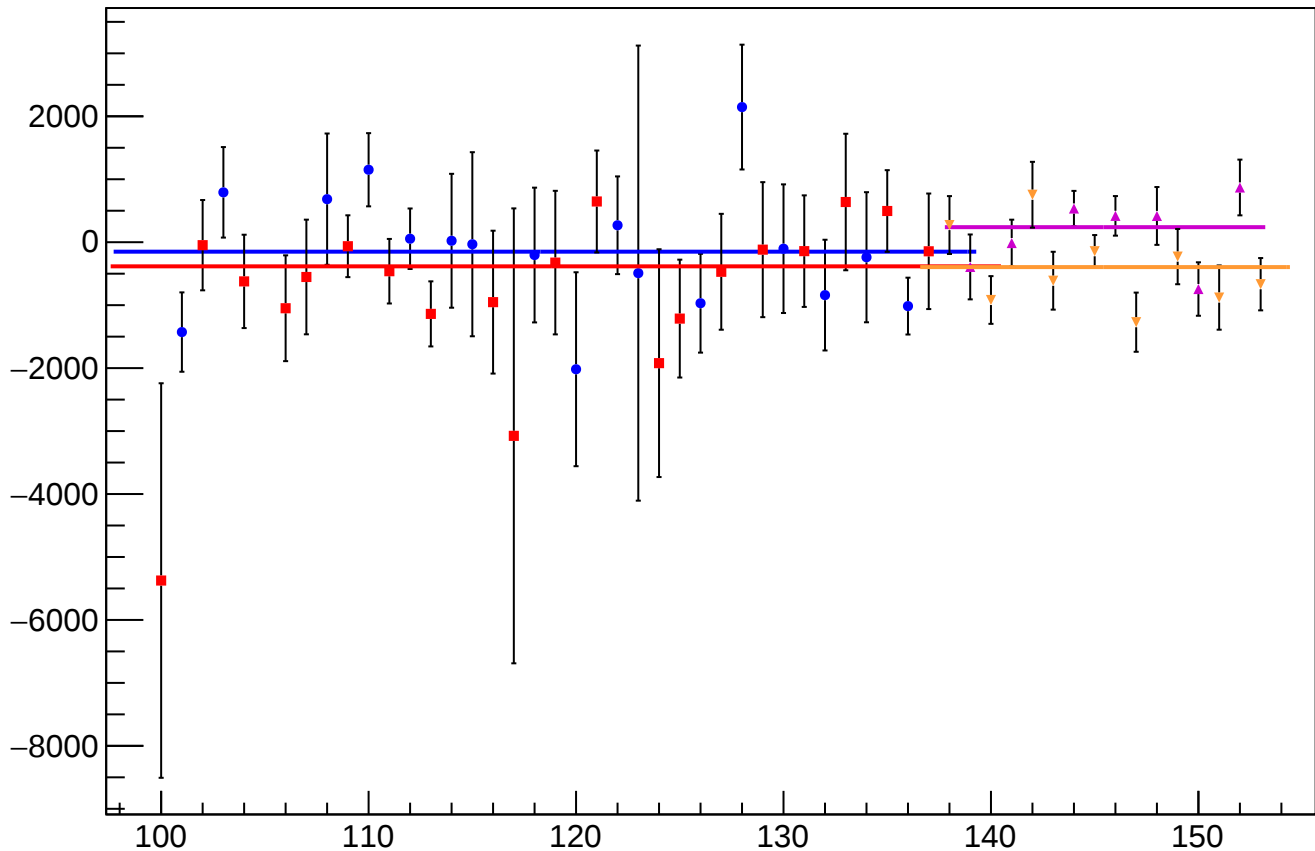
Right Out: 461.656+/-0.127 χ^2/NDF : 967939.5/19

Left In: 329.318+/-0.100 χ^2/NDF : 465937.2/6

378.730+/-0.077 χ^2/NDF : 2217510.4/25

380.026+/-0.078 χ^2/NDF : 2106975.1/26

asym_sam_15_37_dd_mean vs Slug



Right In: -150.305+/-189.729 χ^2/NDF : 24.2/16

Left Out: -395.345+/-135.334 χ^2/NDF : 15.0/8

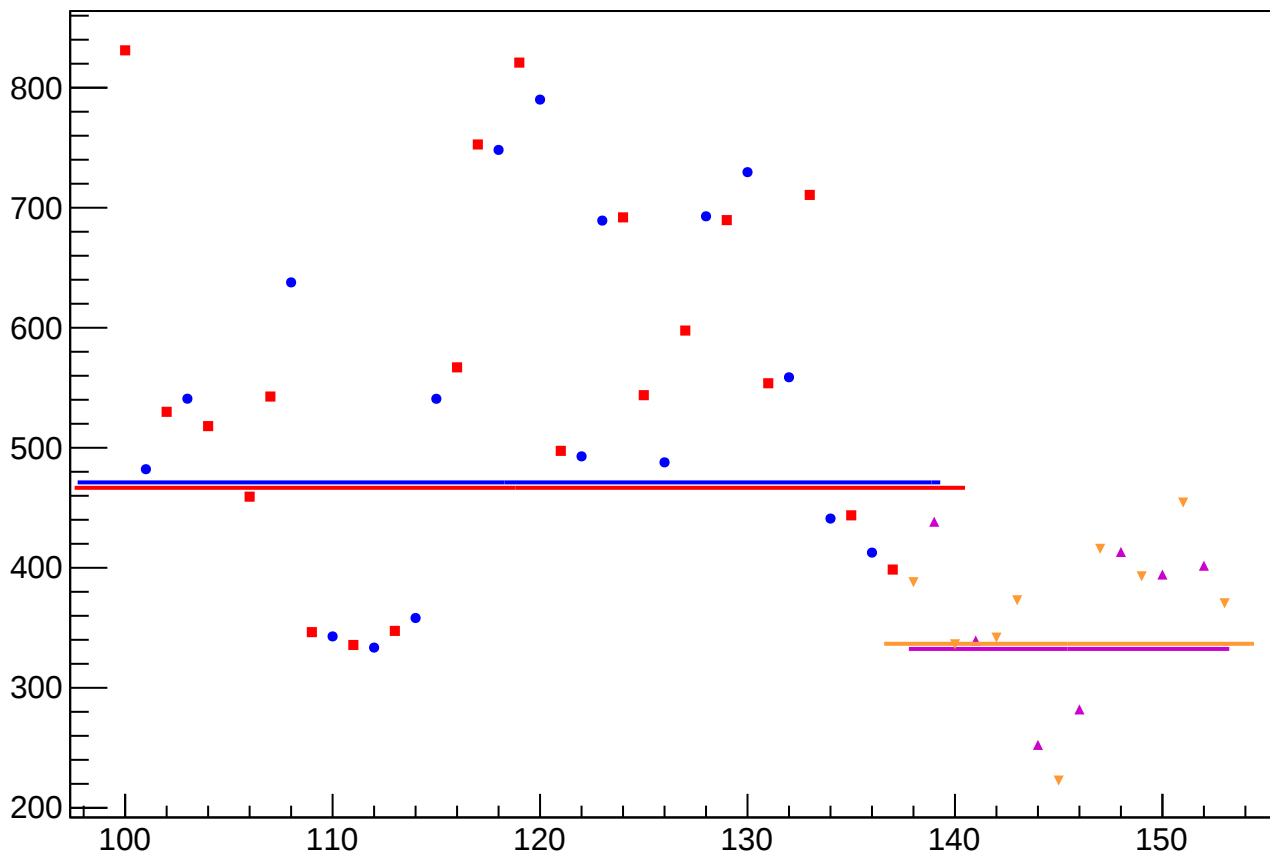
Right Out: -383.331+/-181.030 χ^2/NDF : 13.0/19

Left In: 238.967+/-142.430 χ^2/NDF : 10.9/6

-312.713+/-110.177 χ^2/NDF : 40.3/25

1.037+/-111.937 χ^2/NDF : 31.2/26

asym_sam_15_37_dd_rms vs Slug



Right In: 471.156 $\pm$ 0.134 χ^2 /NDF: 871832.5/16

Left Out: 336.685 $\pm$ 0.096 χ^2 /NDF: 640220.8/8

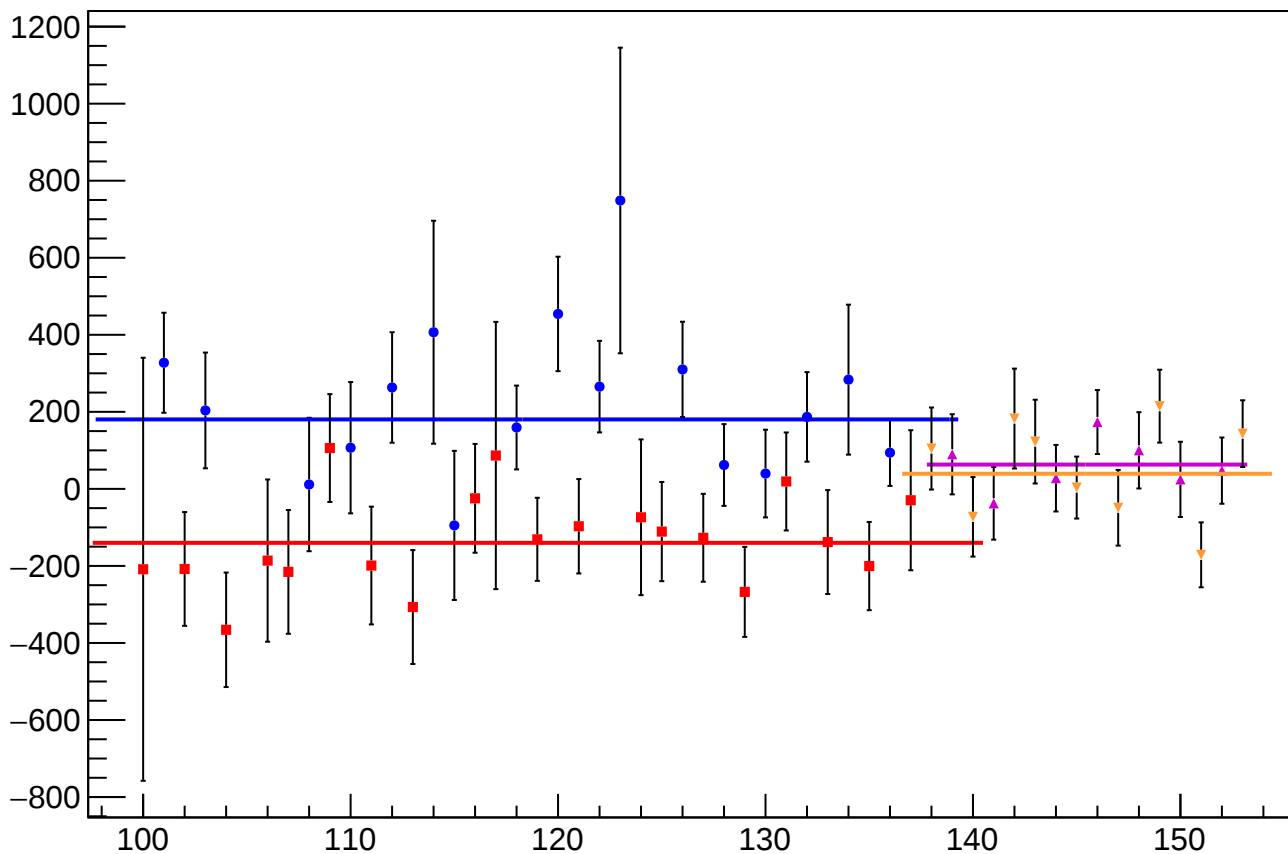
Right Out: 466.655 $\pm$ 0.128 χ^2 /NDF: 953088.6/19

Left In: 332.410 $\pm$ 0.101 χ^2 /NDF: 453376.4/6

382.032 $\pm$ 0.078 χ^2 /NDF: 2177921.5/25

383.737 $\pm$ 0.079 χ^2 /NDF: 2085787.8/26

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 180.326+/-32.769 χ^2/NDF : 16.6/16

Left Out: 39.280+/-32.102 χ^2/NDF :15.5/8

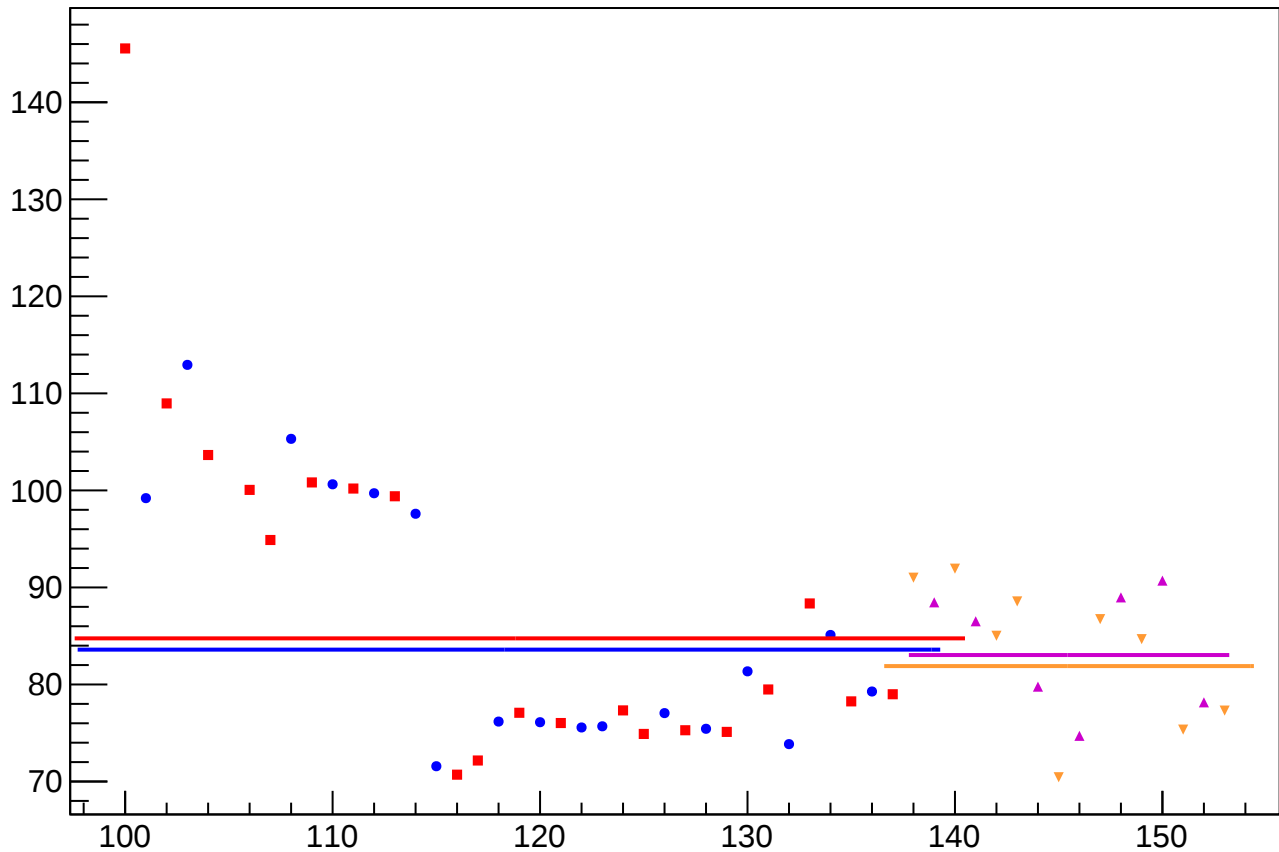
Right Out: -140.070+/-32.198 χ^2/NDF : 12.1/19

Left In: 63.125+/-34.788 χ^2/NDF :3.5/6

108.353+/-22.932 χ^2/NDF : 41.5/25

-46.316+/-23.630 χ^2/NDF : 34.0/26

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 83.591 $\pm$ 0.023 χ^2 /NDF: 255921.7/16

Left Out: 81.895 $\pm$ 0.023 χ^2 /NDF:107105.7/8

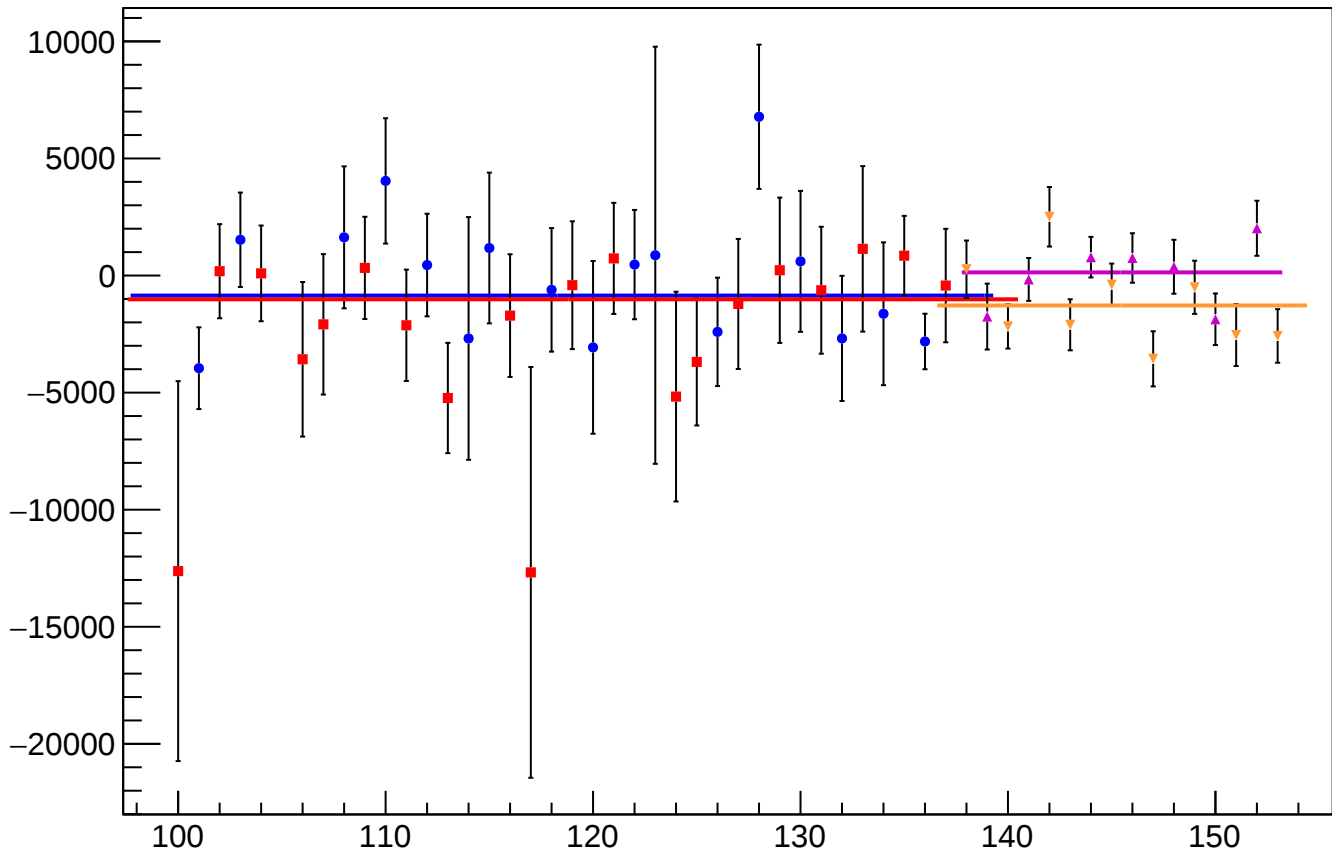
Right Out: 84.752 $\pm$ 0.023 χ^2 /NDF: 293262.6/19

Left In: 83.034 $\pm$ 0.025 χ^2 /NDF:57112.3/6

82.725 $\pm$ 0.016 χ^2 /NDF: 365761.0/25

83.959 $\pm$ 0.017 χ^2 /NDF: 353000.8/26

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -855.308 ± 583.290 χ^2/NDF : 20.3/16

Left Out: -1277.889 ± 370.187 χ^2/NDF : 19.3/8

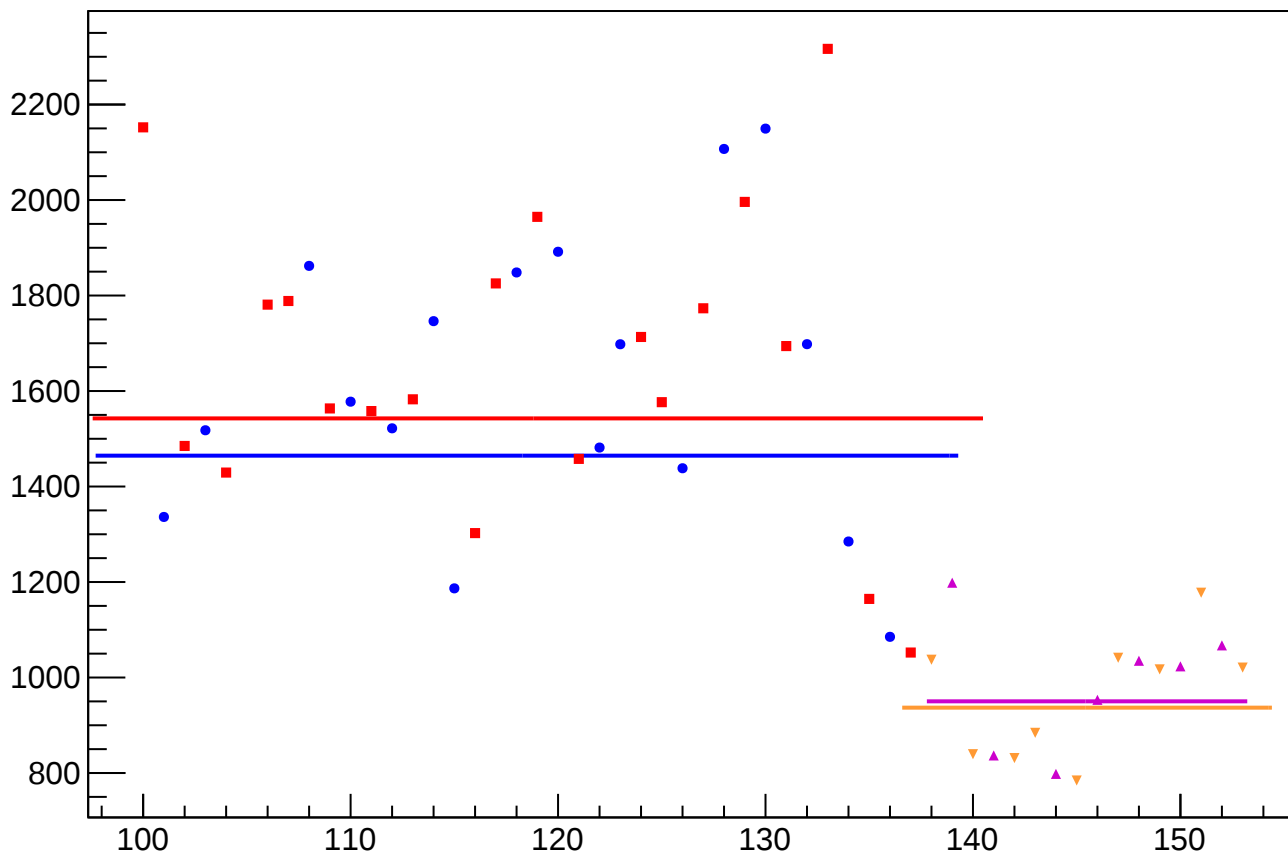
Right Out: -1015.523 ± 587.747 χ^2/NDF : 13.3/19

Left In: 134.767 ± 400.723 χ^2/NDF : 8.7/6

-1156.552 ± 312.554 χ^2/NDF : 40.0/25

-230.258 ± 331.092 χ^2/NDF : 24.6/26

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1464.636 $\pm$ 0.412 χ^2/NDF : 560863.4/16

Left Out: 936.891 $\pm$ 0.262 χ^2/NDF : 212762.8/8

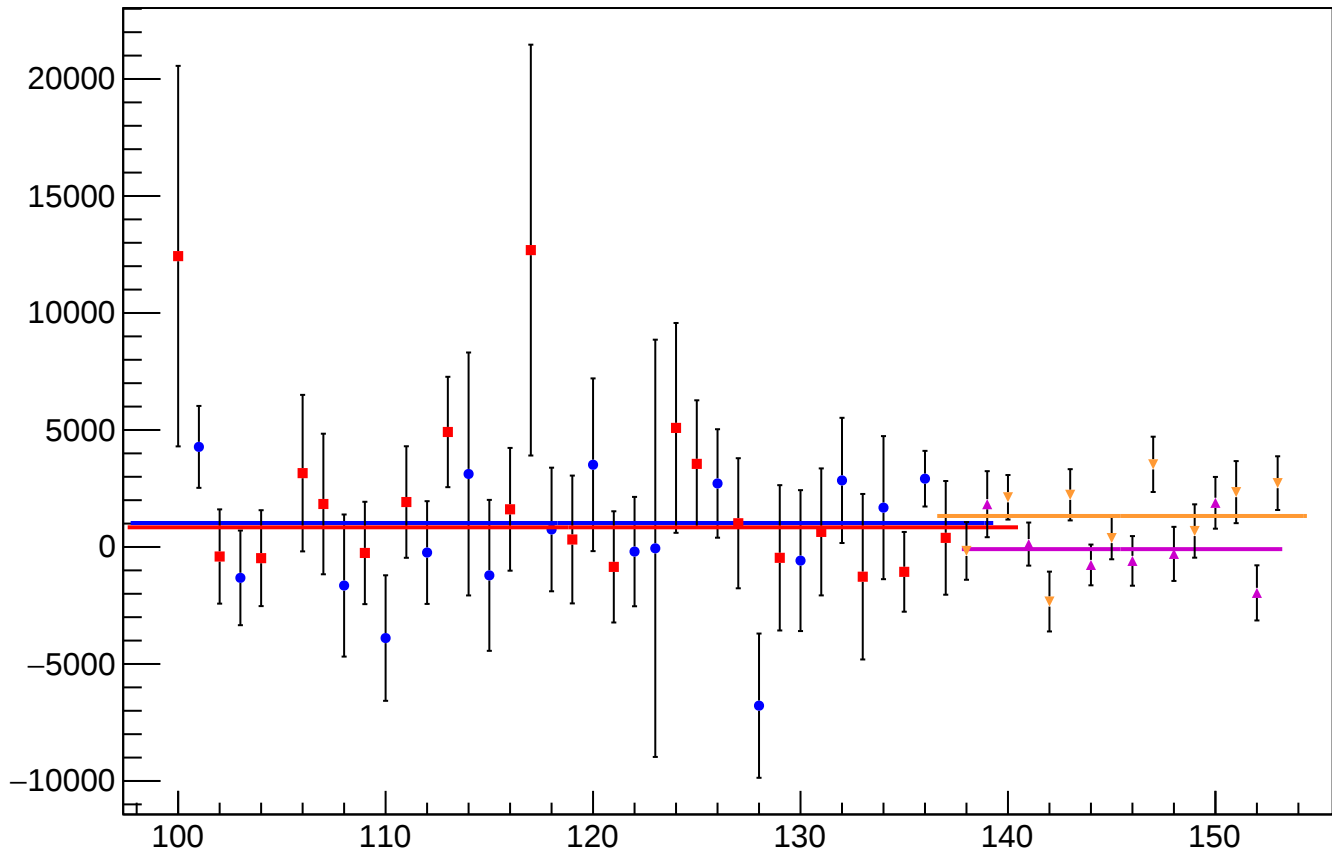
Right Out: 1542.663 $\pm$ 0.416 χ^2/NDF : 455797.2/19

Left In: 950.134 $\pm$ 0.283 χ^2/NDF : 194112.5/6

1088.423 $\pm$ 0.221 χ^2/NDF : 1940751.7/25

1138.163 $\pm$ 0.234 χ^2/NDF : 2037552.0/26

asym_sam_24_68_dd_mean vs Slug



Right In: 1025.527 $\pm$ 584.500 χ^2 /NDF: 20.9/16

Left Out: 1325.041 $\pm$ 371.761 χ^2 /NDF:18.0/8

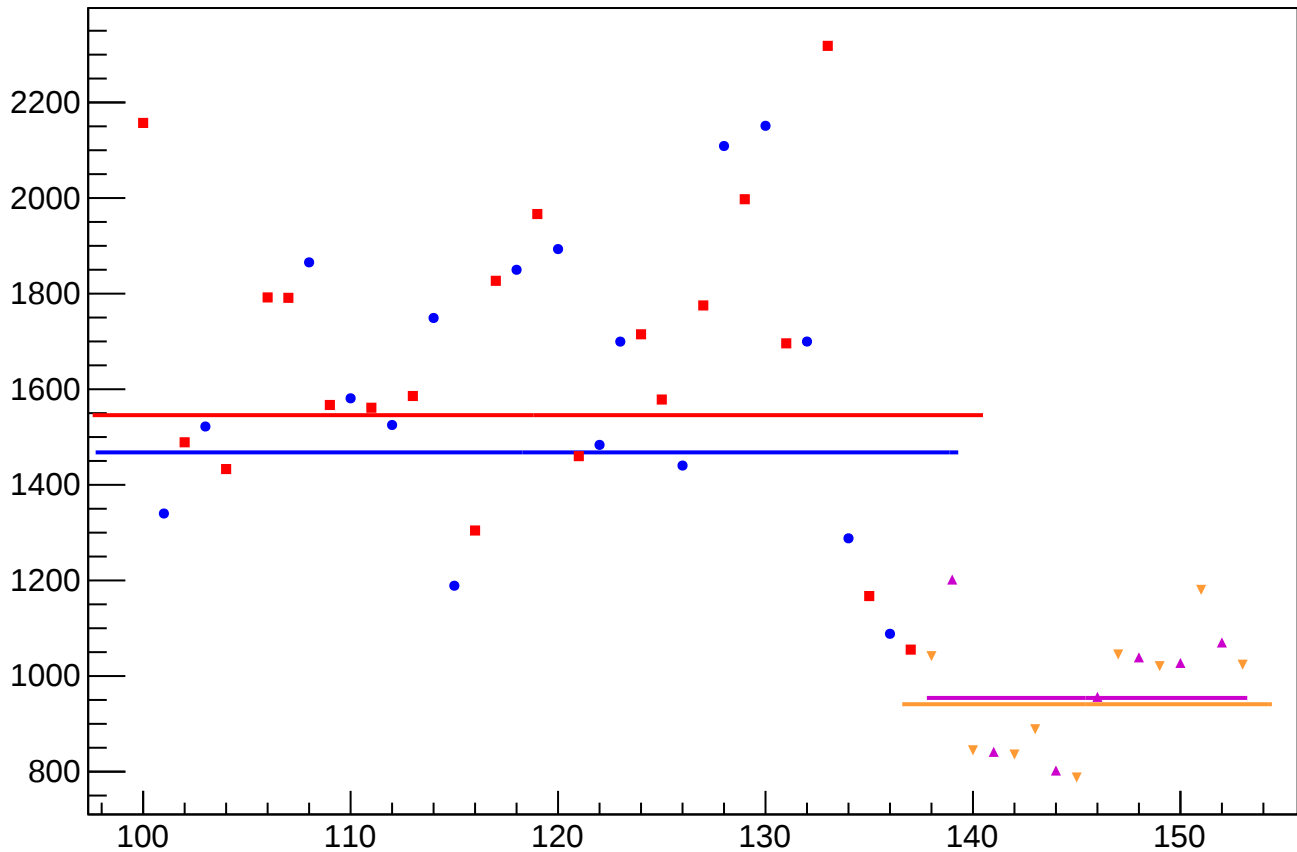
Right Out: 840.586 $\pm$ 589.057 χ^2 /NDF: 13.0/19

Left In: -91.713 $\pm$ 402.381 χ^2 /NDF:8.5/6

1238.774 $\pm$ 313.687 χ^2 /NDF: 39.1/25

204.906 $\pm$ 332.261 χ^2 /NDF: 23.2/26

asym_sam_24_68_dd_rms vs Slug



Right In: 1467.905+/-0.413 χ^2/NDF : 557458.9/16

Left Out: 941.050+/-0.263 χ^2/NDF : 209770.7/8

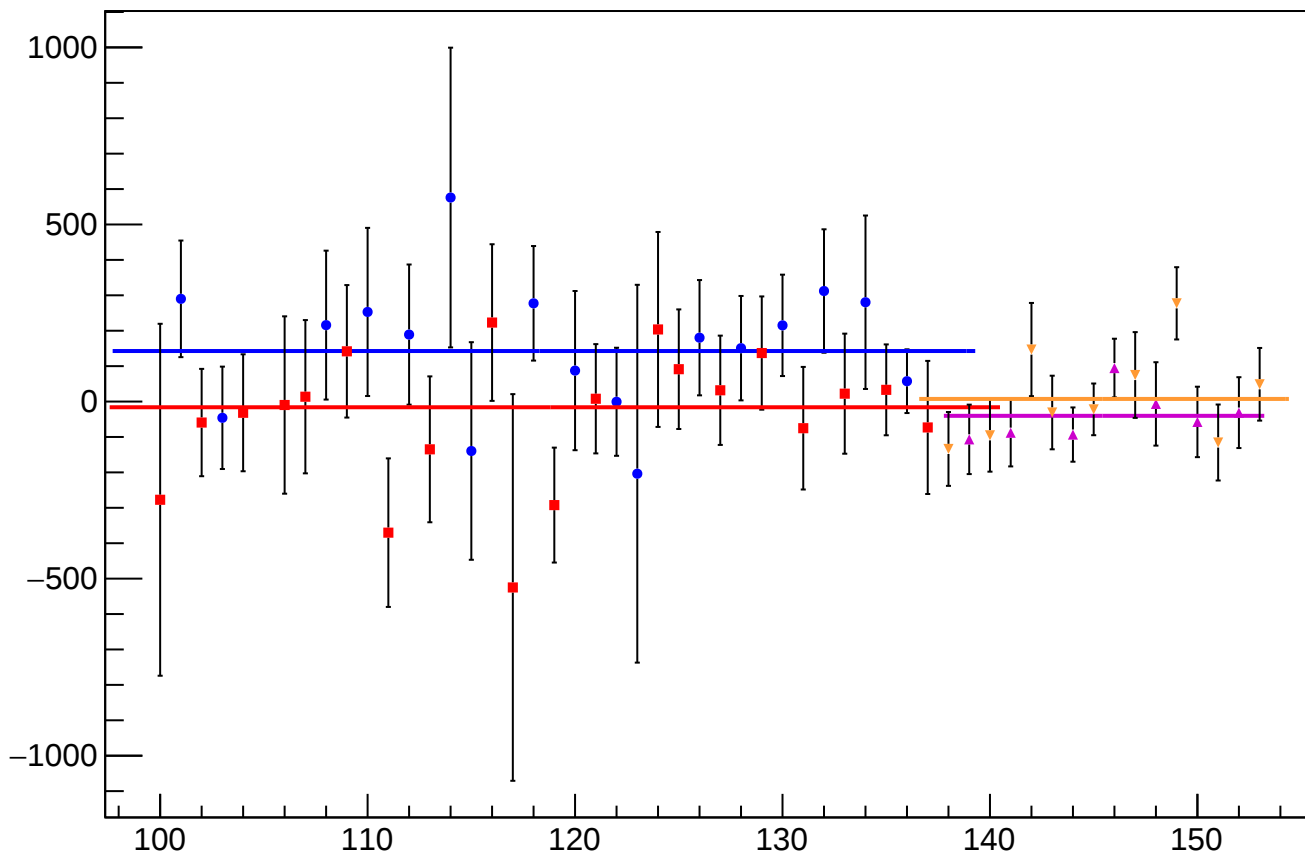
Right Out: 1545.785+/-0.417 χ^2/NDF : 453865.6/19

Left In: 954.217+/-0.285 χ^2/NDF : 191410.5/6

1092.796+/-0.222 χ^2/NDF : 1924170.5/25

1142.429+/-0.235 χ^2/NDF : 2020608.5/26

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 142.683 $\pm$ 41.625 χ^2 /NDF: 9.3/16

Left Out: 7.419 $\pm$ 33.881 χ^2 /NDF:13.0/8

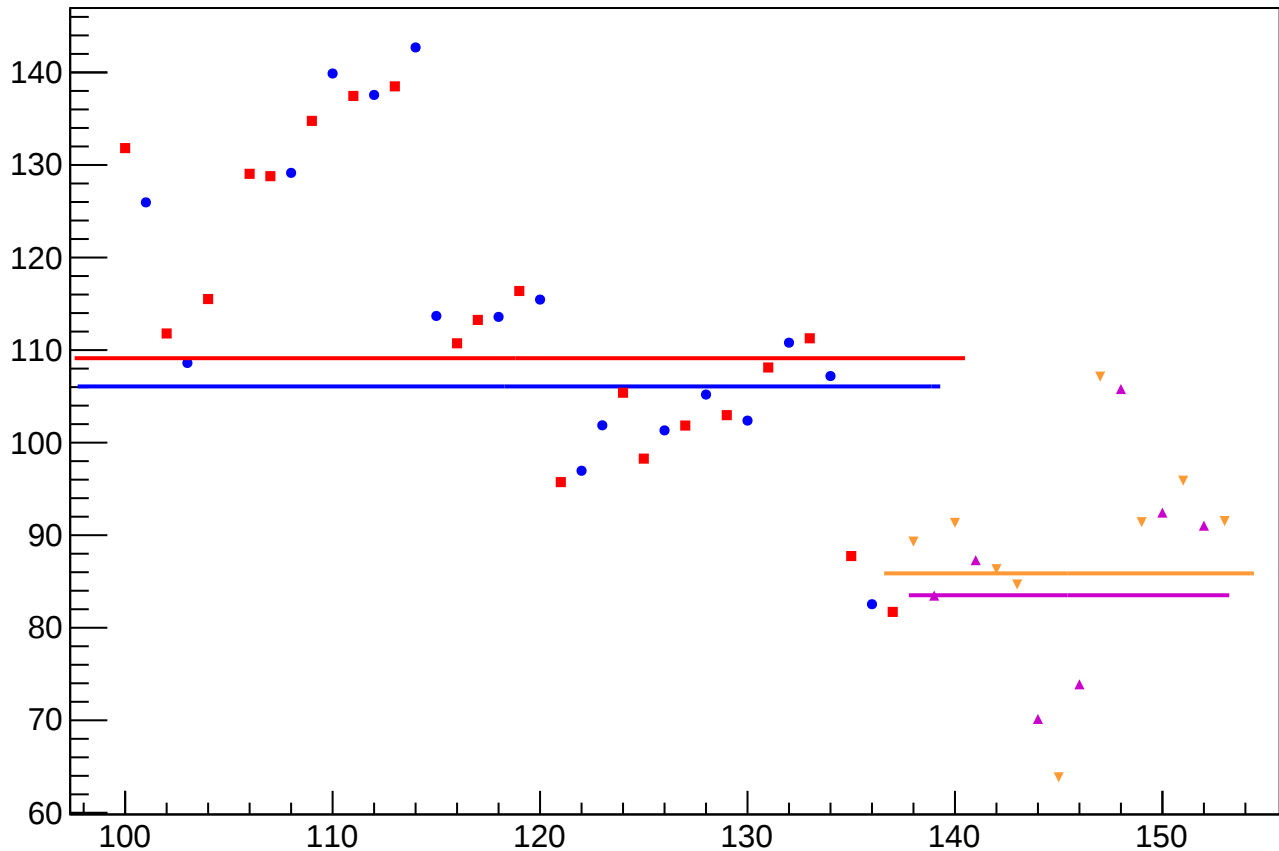
Right Out: -16.103 $\pm$ 41.277 χ^2 /NDF: 11.7/19

Left In: -40.289 $\pm$ 35.276 χ^2 /NDF:4.0/6

61.322 $\pm$ 26.277 χ^2 /NDF: 28.7/25

-30.081 $\pm$ 26.817 χ^2 /NDF: 15.9/26

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 106.074 $\pm$ 0.029 χ^2 /NDF: 317907.9/16

Left Out: 85.874 $\pm$ 0.024 χ^2 /NDF:281426.1/8

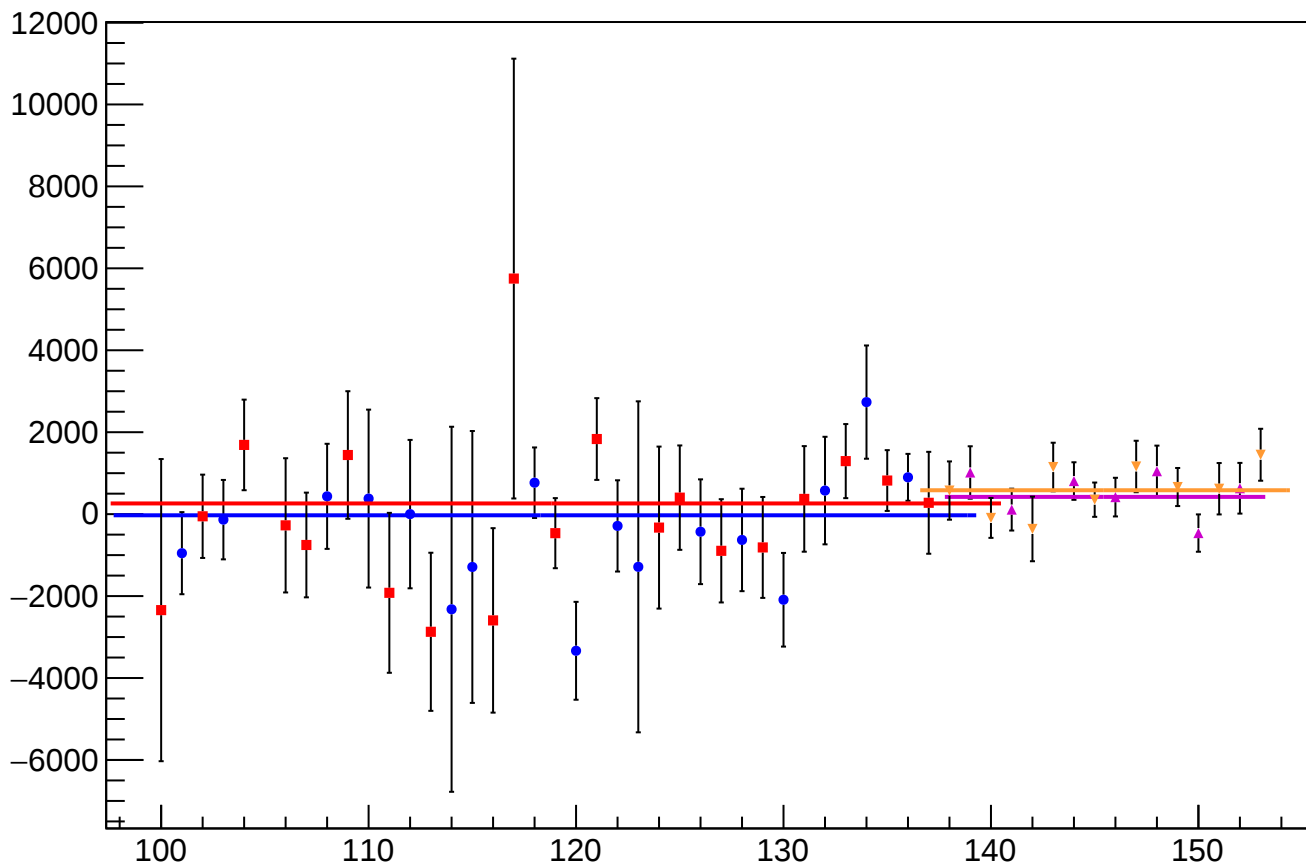
Right Out: 109.124 $\pm$ 0.029 χ^2 /NDF: 285510.2/19

Left In: 83.512 $\pm$ 0.025 χ^2 /NDF:190009.3/6

93.924 $\pm$ 0.019 χ^2 /NDF: 882619.8/25

94.323 $\pm$ 0.019 χ^2 /NDF: 920509.5/26

asym_sam_26_48_dd_correction_mean vs Slug



Right In: -27.969 ± 283.741 χ^2/NDF : 20.5/16

Left Out: 583.148 ± 187.134 χ^2/NDF : 7.3/8

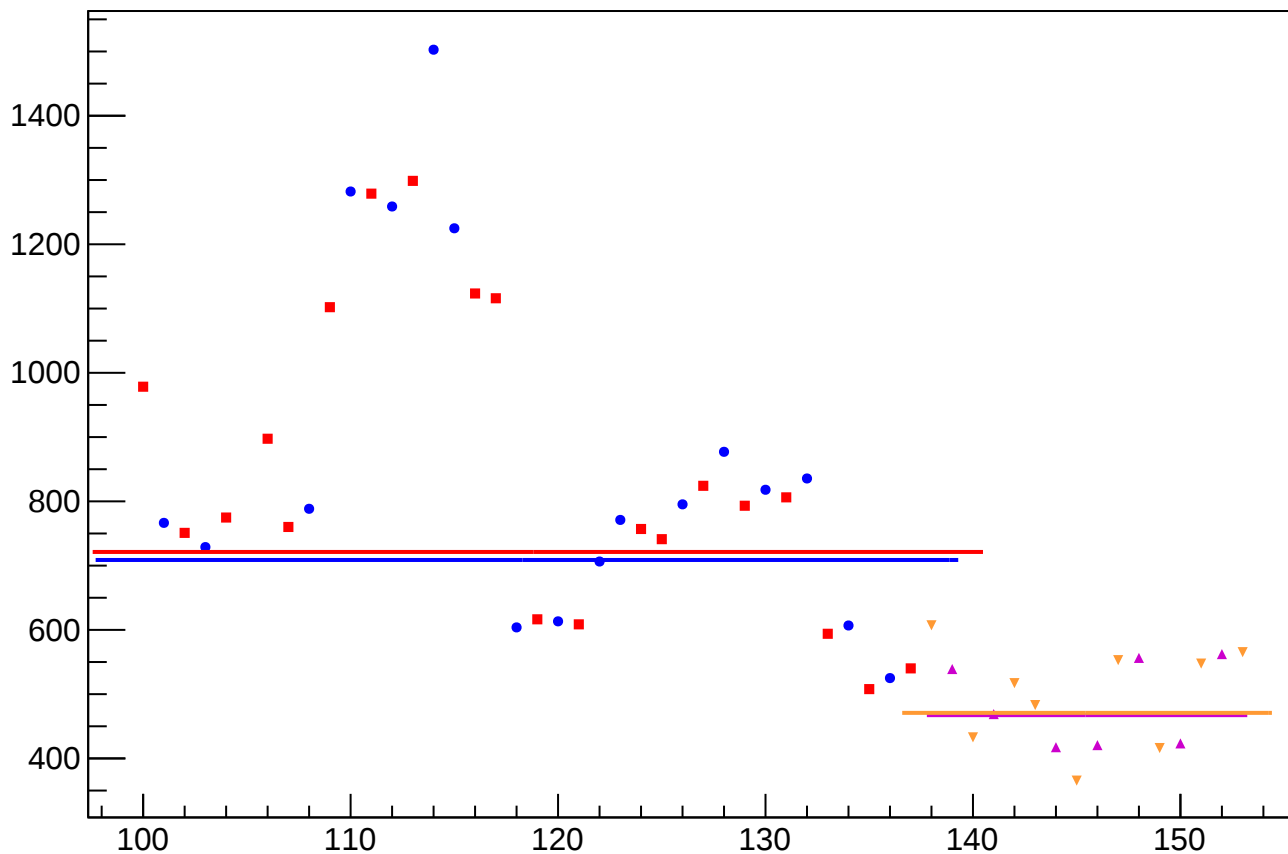
Right Out: 261.265 ± 279.073 χ^2/NDF : 16.9/19

Left In: 420.979 ± 197.956 χ^2/NDF : 6.8/6

397.905 ± 156.218 χ^2/NDF : 31.1/25

367.517 ± 161.461 χ^2/NDF : 23.9/26

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 708.784 $\pm$ 0.201 χ^2 /NDF: 793538.1/16

Left Out: 470.891 $\pm$ 0.132 χ^2 /NDF: 356409.0/8

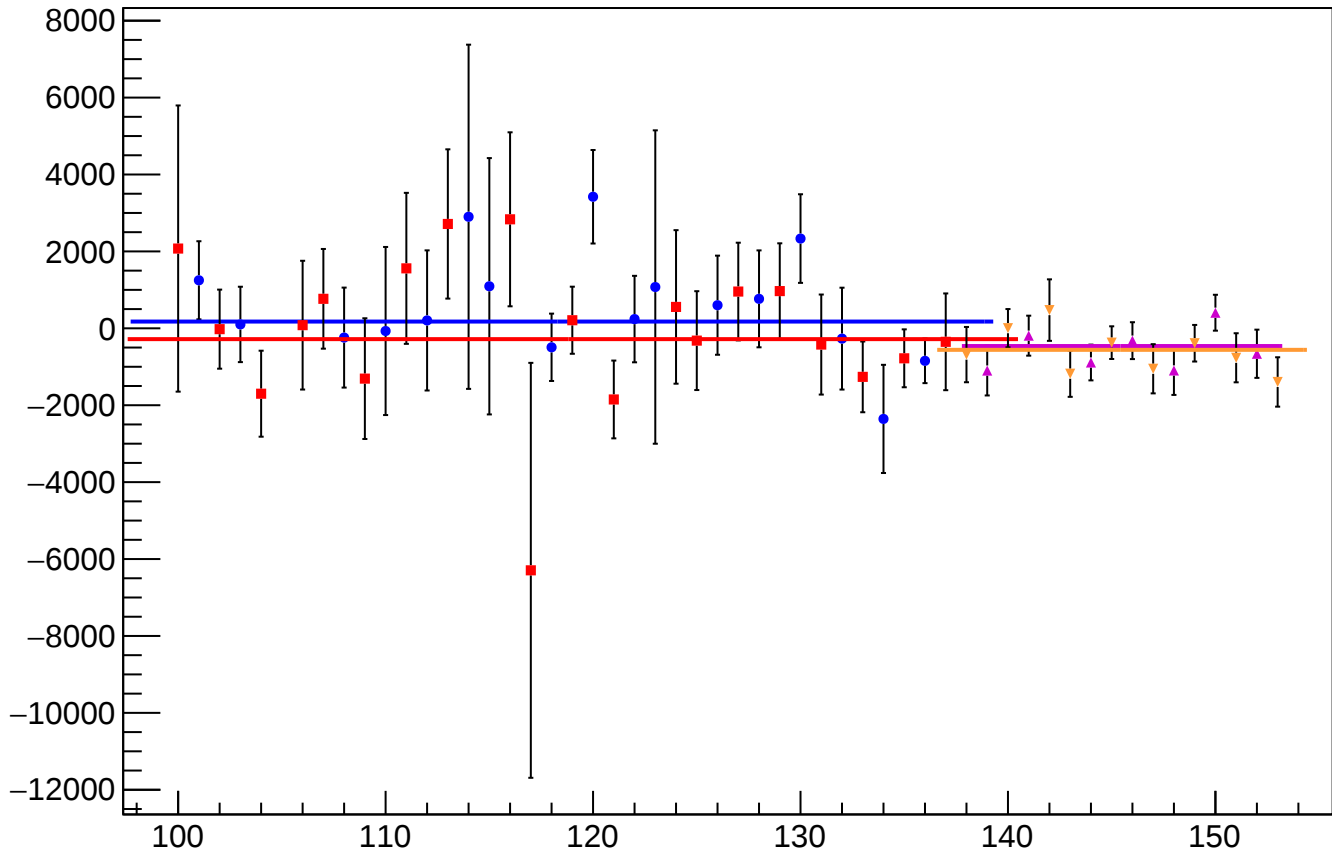
Right Out: 721.271 $\pm$ 0.197 χ^2 /NDF: 910781.0/19

Left In: 467.341 $\pm$ 0.140 χ^2 /NDF: 174921.9/6

543.002 $\pm$ 0.110 χ^2 /NDF: 2129672.0/25

552.340 $\pm$ 0.114 χ^2 /NDF: 2187286.3/26

asym_sam_26_48_dd_mean vs Slug



Right In: 175.854 $\pm$ 287.218 χ^2 /NDF: 19.7/16

Left Out: -559.715 $\pm$ 190.449 χ^2 /NDF: 6.8/8

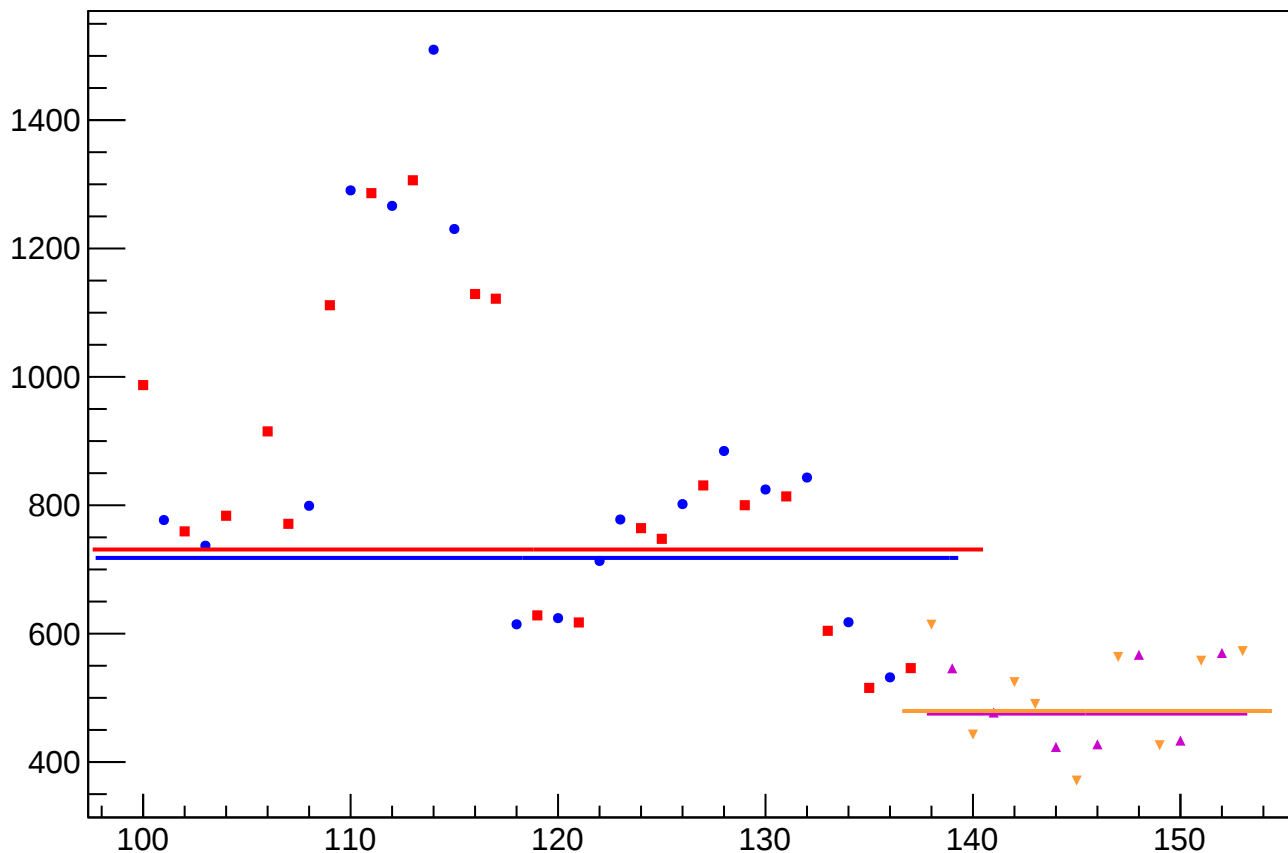
Right Out: -281.173 $\pm$ 282.685 χ^2 /NDF: 16.1/19

Left In: -460.711 $\pm$ 201.325 χ^2 /NDF: 6.7/6

-335.073 $\pm$ 158.725 χ^2 /NDF: 31.1/25

-400.293 $\pm$ 163.988 χ^2 /NDF: 23.0/26

asym_sam_26_48_dd_rms vs Slug



Right In: 717.973+/-0.203 χ^2/NDF : 778580.1/16

Left Out: 479.490+/-0.135 χ^2/NDF : 350039.5/8

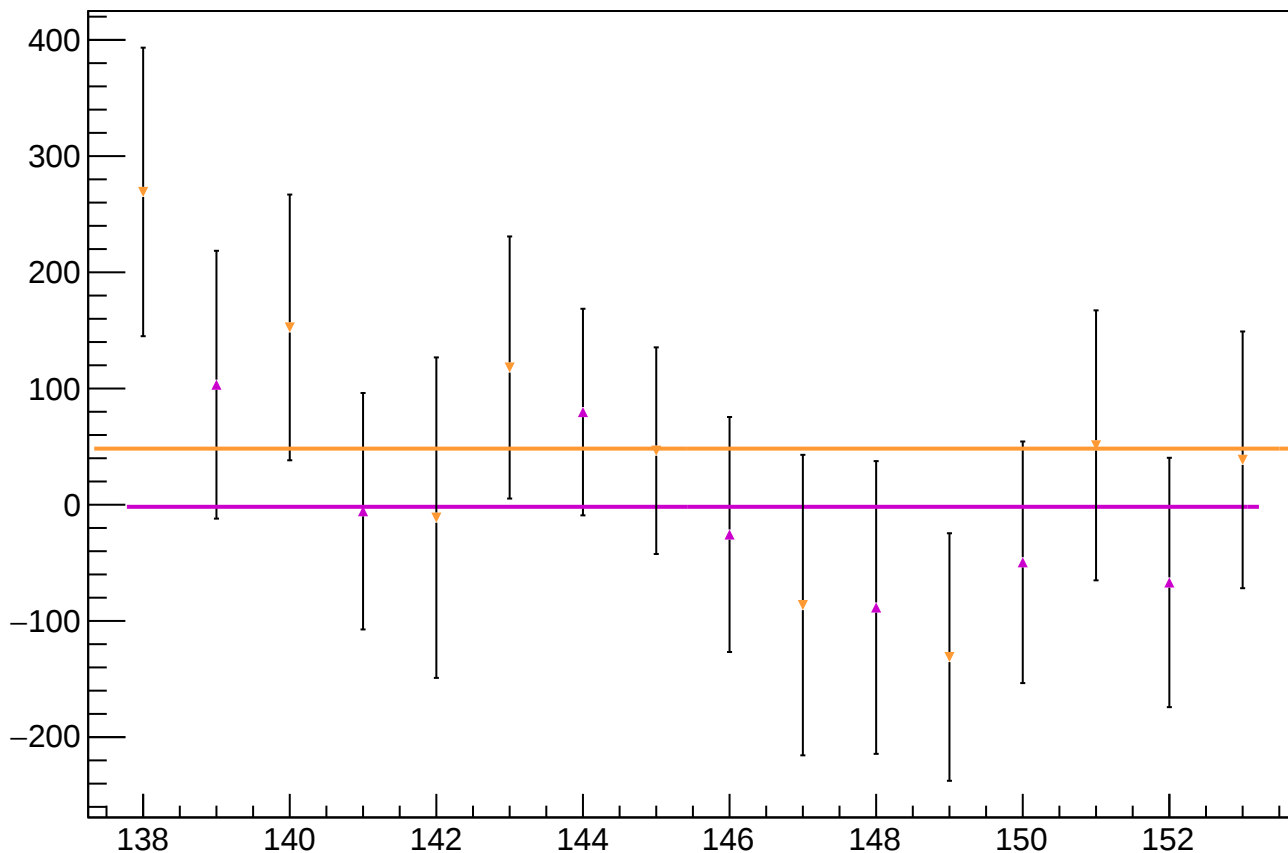
Right Out: 731.116+/-0.200 χ^2/NDF : 892357.6/19

Left In: 475.463+/-0.142 χ^2/NDF : 171847.9/6

552.323+/-0.112 χ^2/NDF : 2086376.4/25

561.496+/-0.116 χ^2/NDF : 2149501.0/26

reg_asym_sam_1548_avg_mean vs Slug



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

Left Out: 48.291+/-37.713 χ^2/NDF :8.5/8

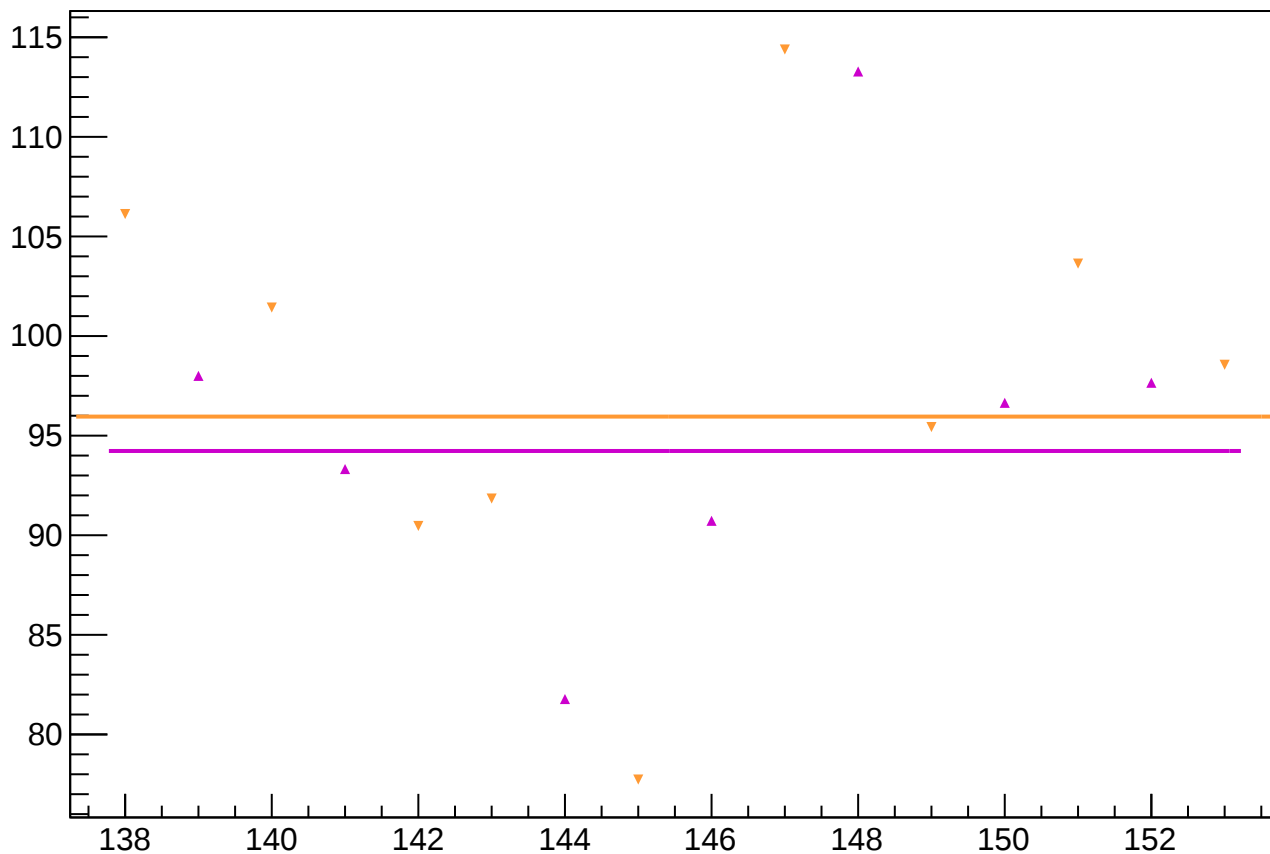
48.291+/-37.713 χ^2/NDF : 8.5/8

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

Left In: -1.790+/-39.568 χ^2/NDF :2.8/6

-1.790+/-39.568 χ^2/NDF : 2.8/6

reg_asym_sam_1548_avg_rms vs Slug



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

Left Out: 95.957+/-0.027 χ^2/NDF :158354.5/8

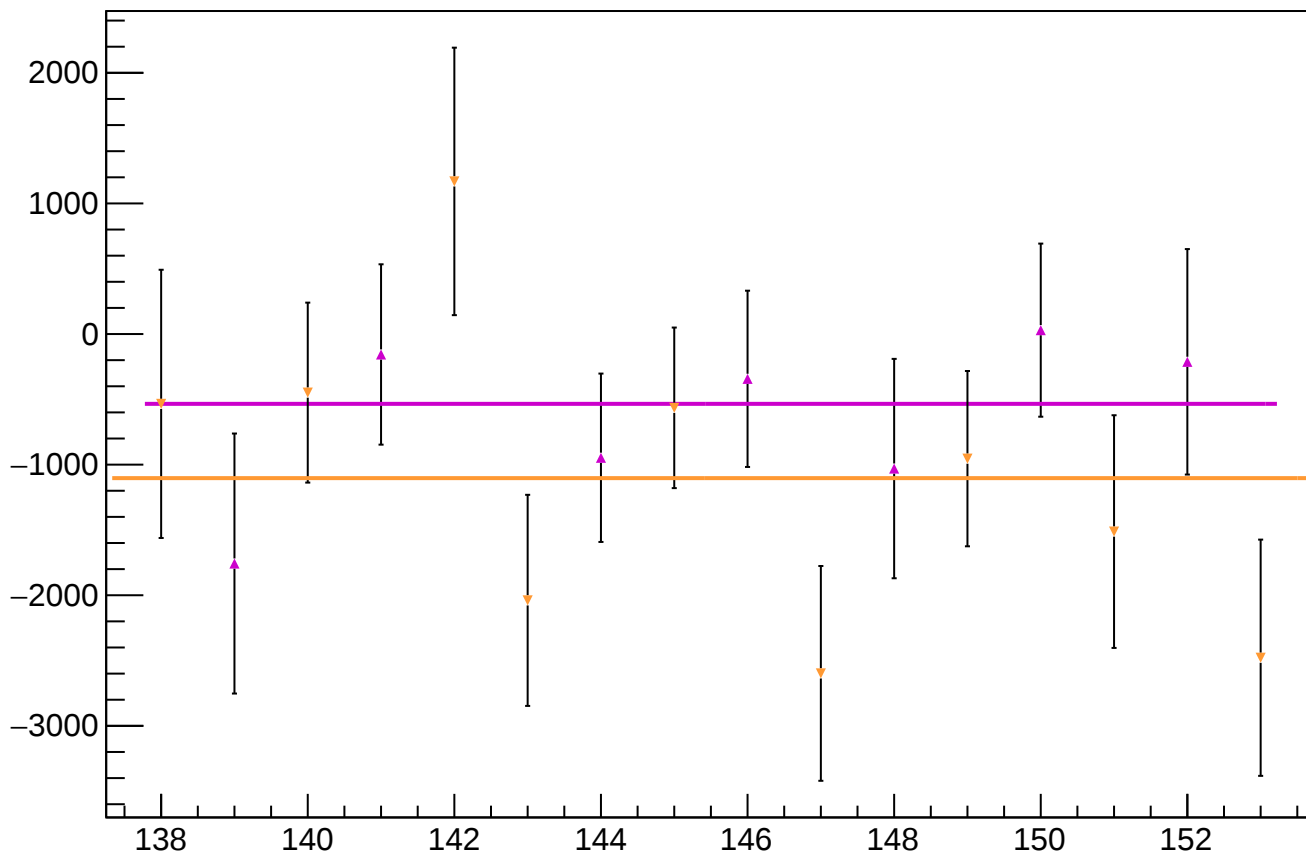
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 94.230+/-0.028 χ^2/NDF :92836.1/6

95.957+/-0.027 χ^2/NDF : 158354.5/8

94.230+/-0.028 χ^2/NDF : 92836.1/6

asym_sam_1548_avg_correction_mean vs Slug



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

Left Out: -1103.292+/-263.811 χ^2/NDF : 14.1/8

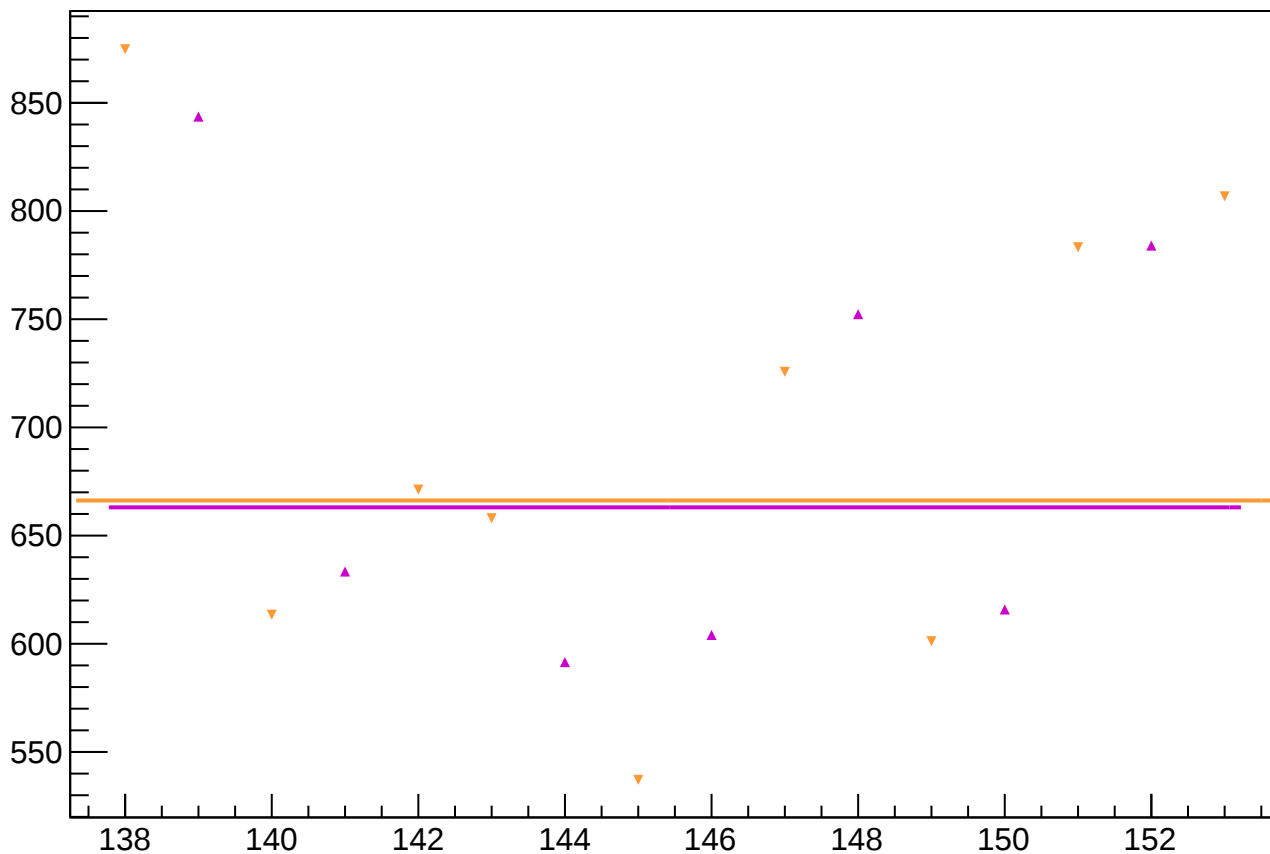
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -534.509+/-280.101 χ^2/NDF : 3.5/6

-1103.292+/-263.811 χ^2/NDF : 14.1/8

-534.509+/-280.101 χ^2/NDF : 3.5/6

asym_sam_1548_avg_correction_rms vs Slug



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

Left Out: 666.220+/-0.187 χ^2/NDF : 294820.9/8

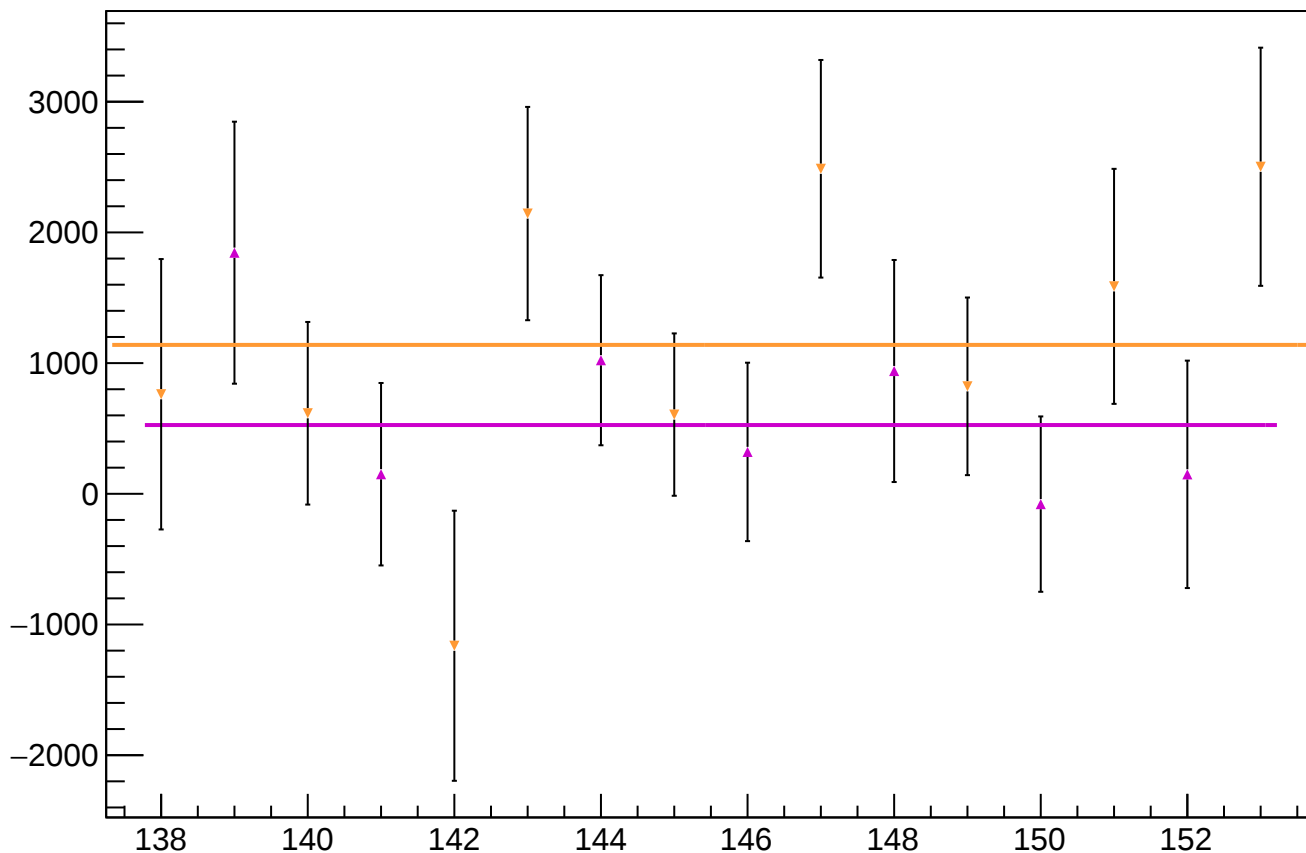
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 663.055+/-0.198 χ^2/NDF : 181450.4/6

666.220+/-0.187 χ^2/NDF : 294820.9/8

663.055+/-0.198 χ^2/NDF : 181450.4/6

asym_sam_1548_avg_mean vs Slug



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

Left Out: 1139.350+/-266.663 χ^2/NDF : 13.2/8

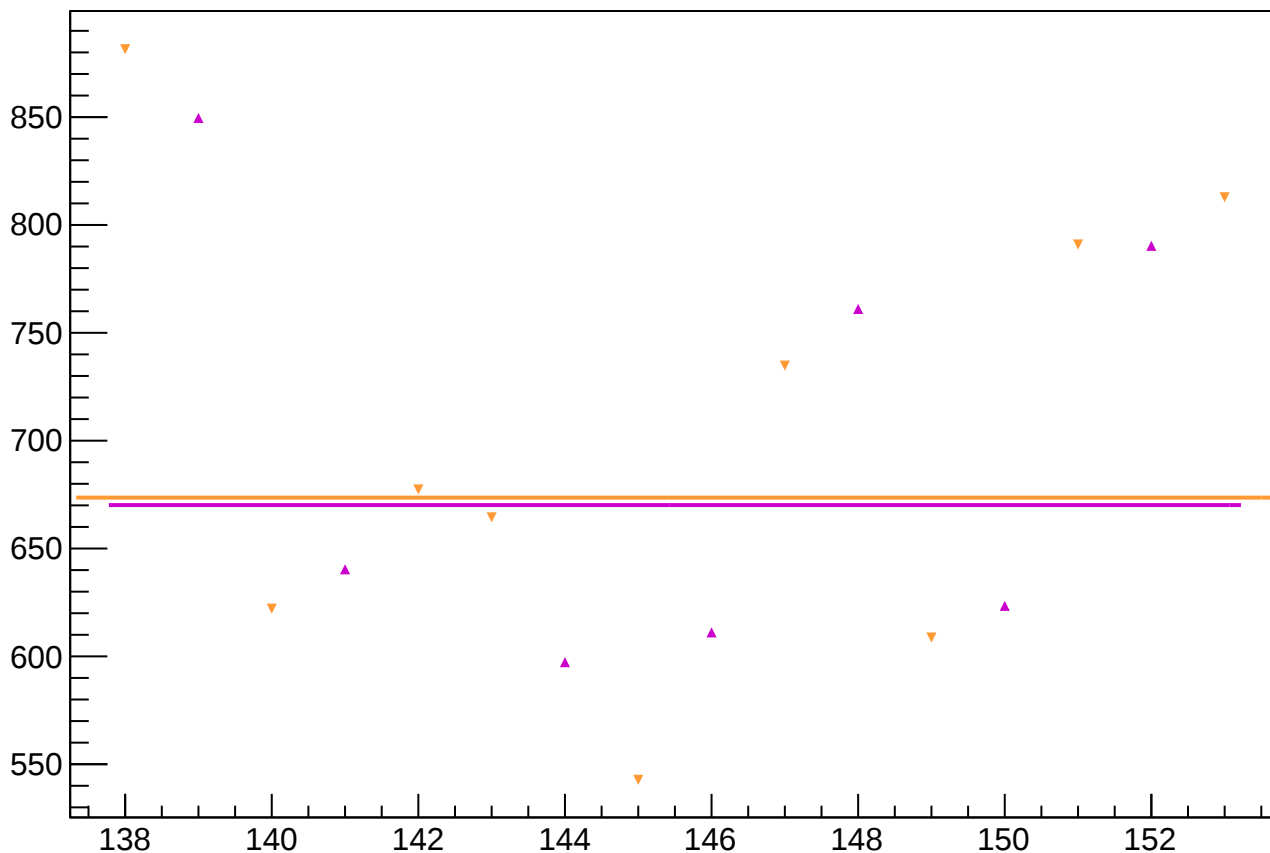
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 526.170+/-283.030 χ^2/NDF : 3.9/6

1139.350+/-266.663 χ^2/NDF : 13.2/8

526.170+/-283.030 χ^2/NDF : 3.9/6

asym_sam_1548_avg_rms vs Slug



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

Left Out: 673.604+/-0.189 χ^2/NDF : 290439.7/8

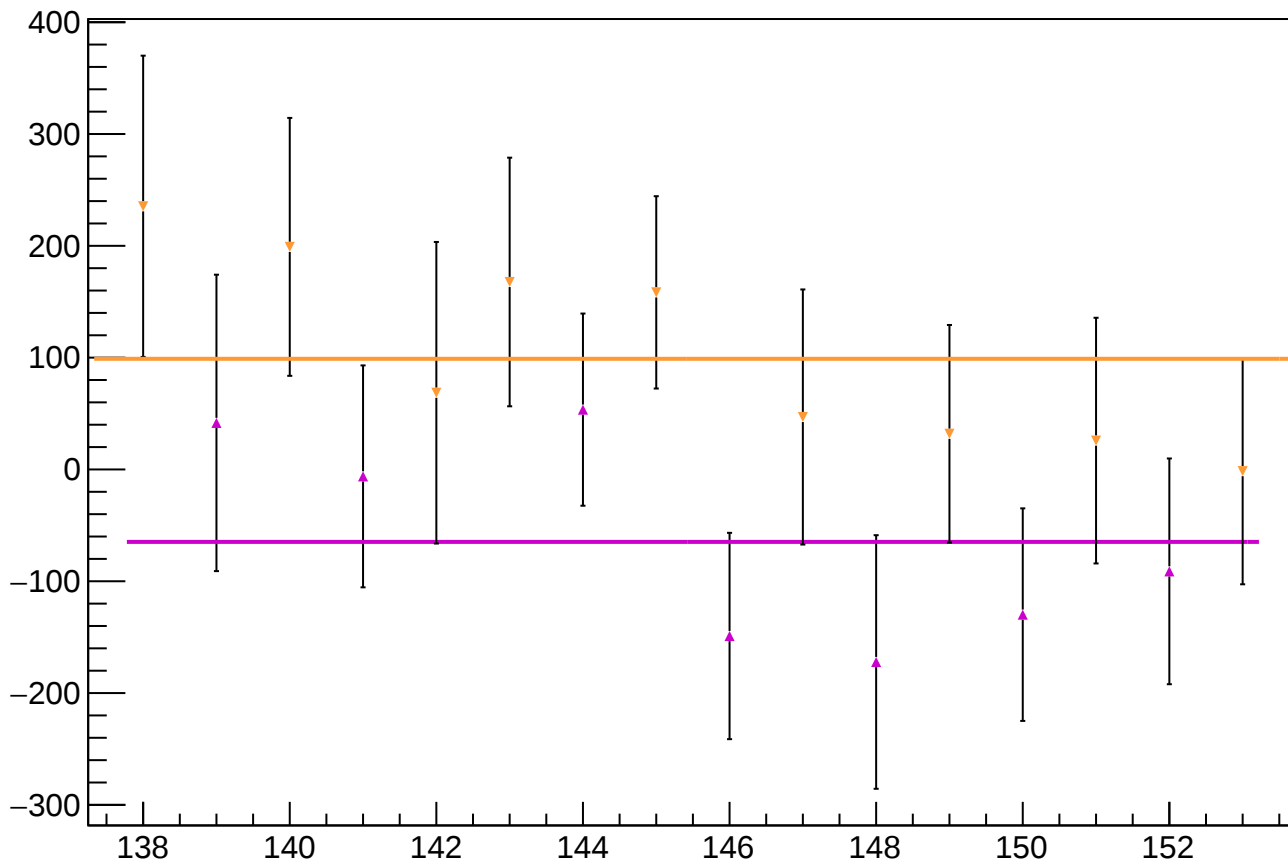
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 670.137+/-0.200 χ^2/NDF : 178547.8/6

673.604+/-0.189 χ^2/NDF : 290439.7/8

670.137+/-0.200 χ^2/NDF : 178547.8/6

reg_asym_sam_3748_avg_mean vs Slug



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

Left Out: 98.963+/-36.172 χ^2/NDF : 4.8/8

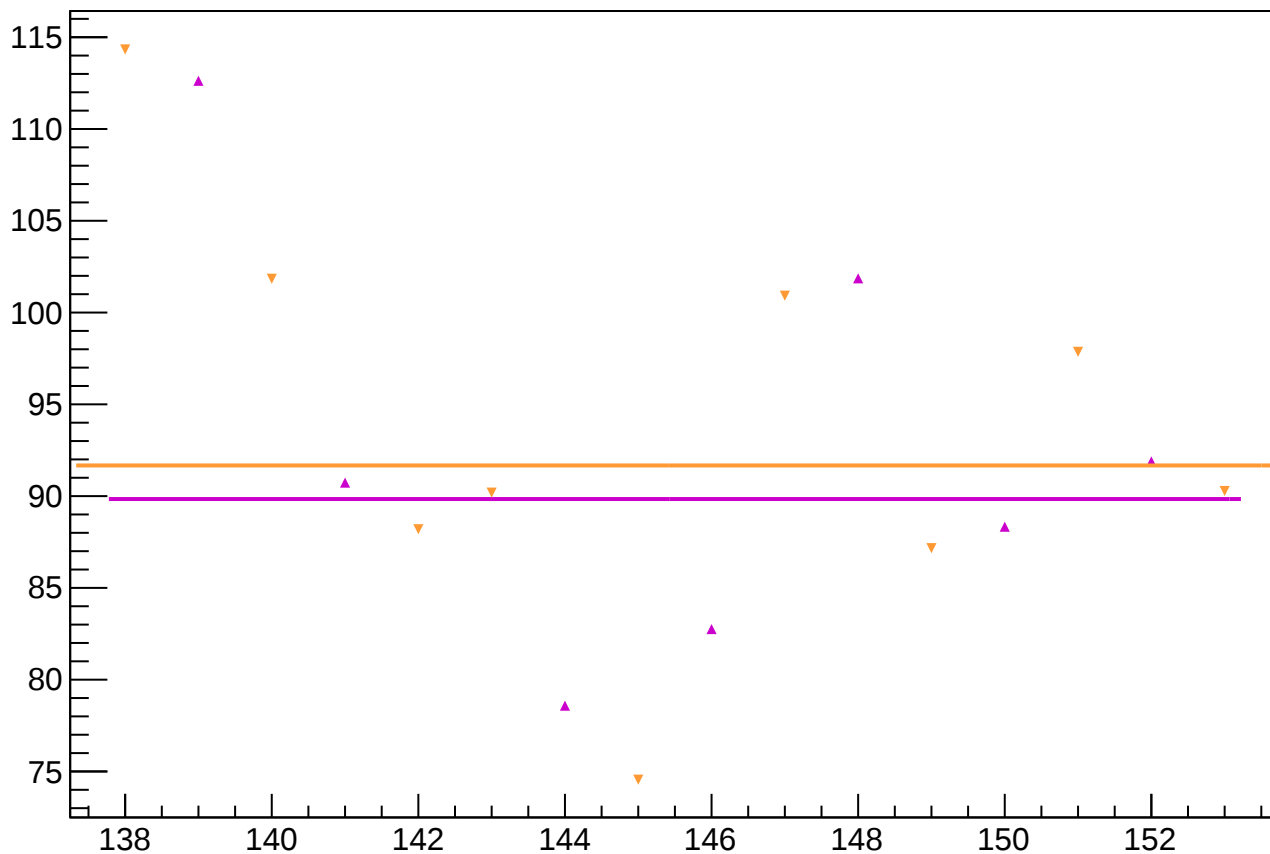
98.963+/-36.172 χ^2/NDF : 4.8/8

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

Left In: -64.796+/-37.853 χ^2/NDF : 5.2/6

-64.796+/-37.853 χ^2/NDF : 5.2/6

reg_asym_sam_3748_avg_rms vs Slug



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

Left Out: 91.670+/-0.026 χ^2/NDF :177233.5/8

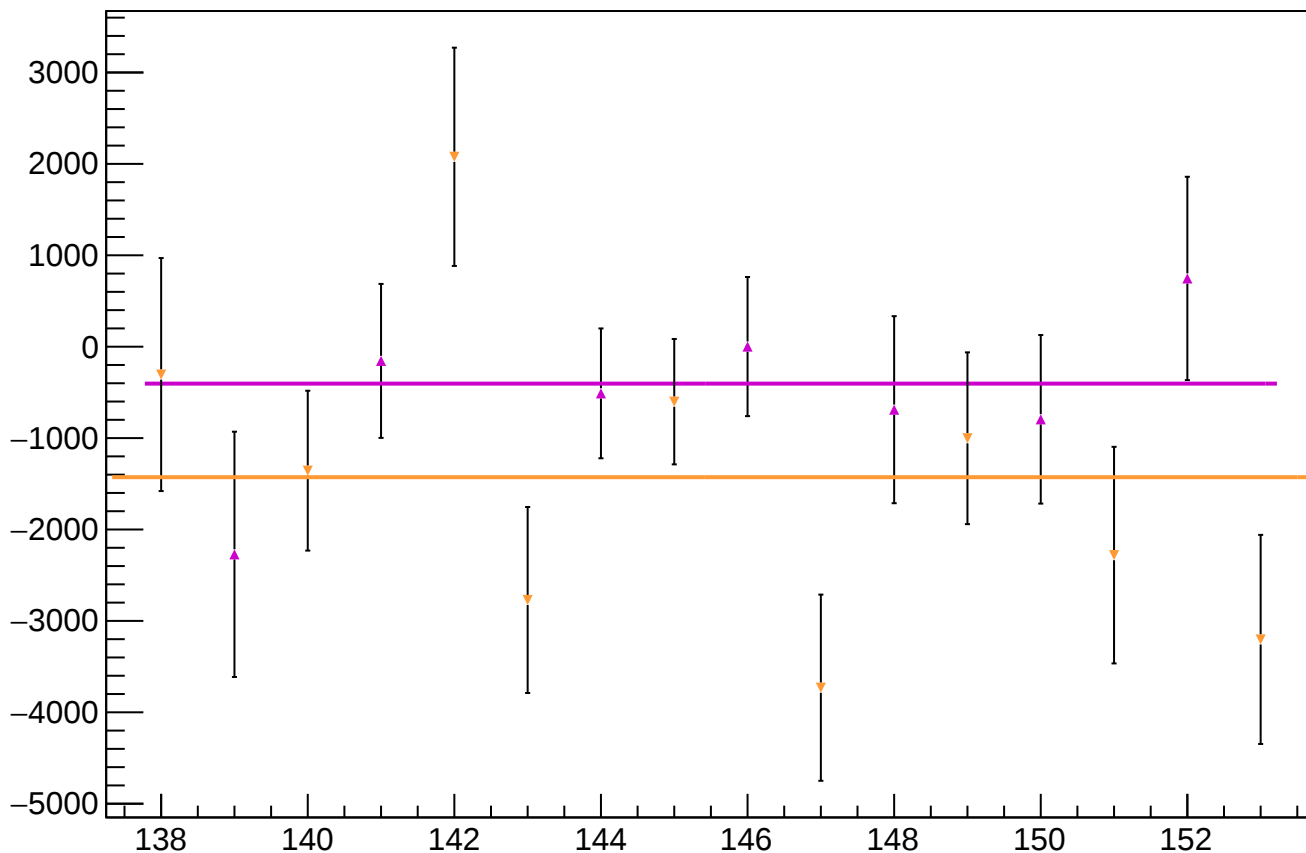
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 89.841+/-0.027 χ^2/NDF :129171.9/6

91.670+/-0.026 χ^2/NDF : 177233.5/8

89.841+/-0.027 χ^2/NDF : 129171.9/6

asym_sam_3748_avg_correction_mean vs Slug



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

Left Out: -1427.707+/-328.116 χ^2/NDF : 20.8/8

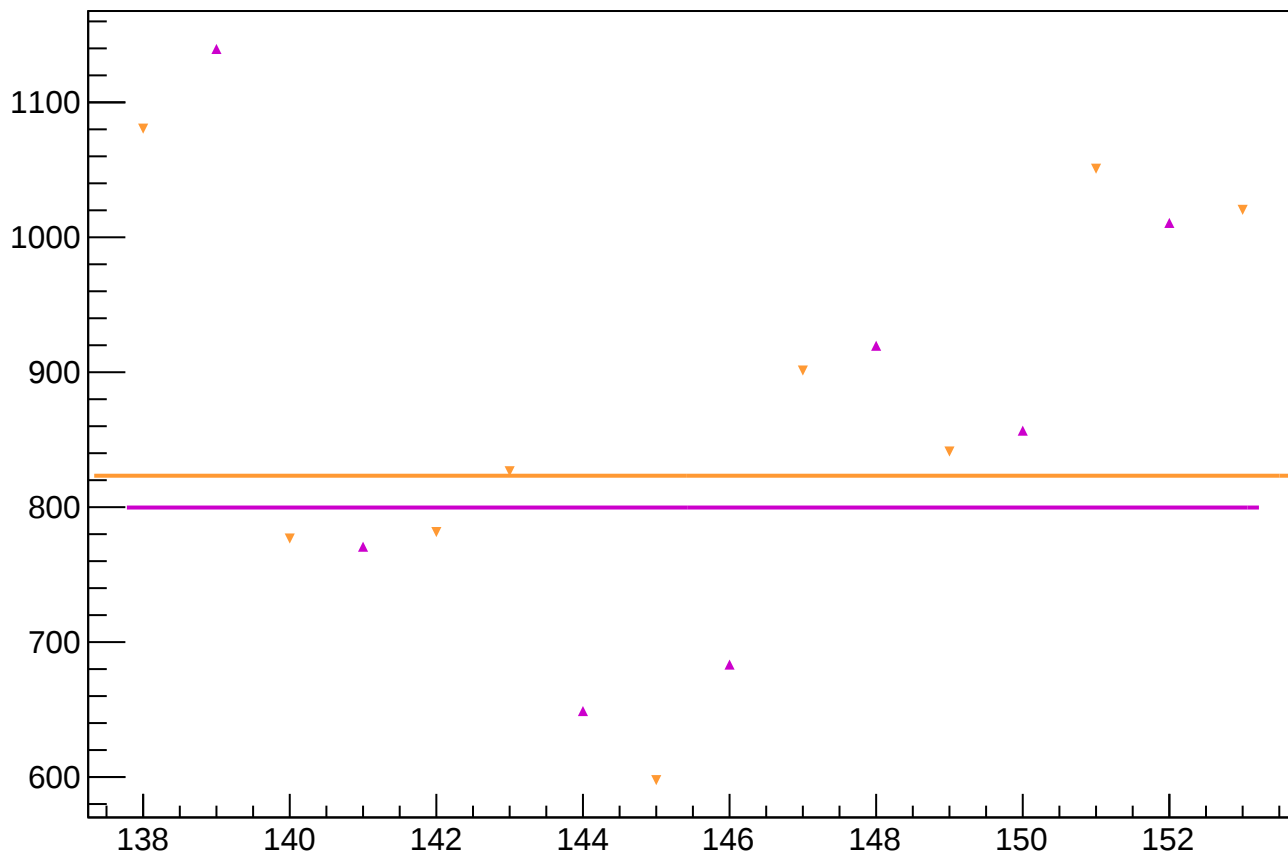
-1427.707+/-328.116 χ^2/NDF : 20.8/8

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

-403.986+/-340.739 χ^2/NDF : 3.7/6

Left In: -403.986+/-340.739 χ^2/NDF : 3.7/6

asym_sam_3748_avg_correction_rms vs Slug



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

Left Out: 823.306+/-0.232 χ^2/NDF : 451392.2/8

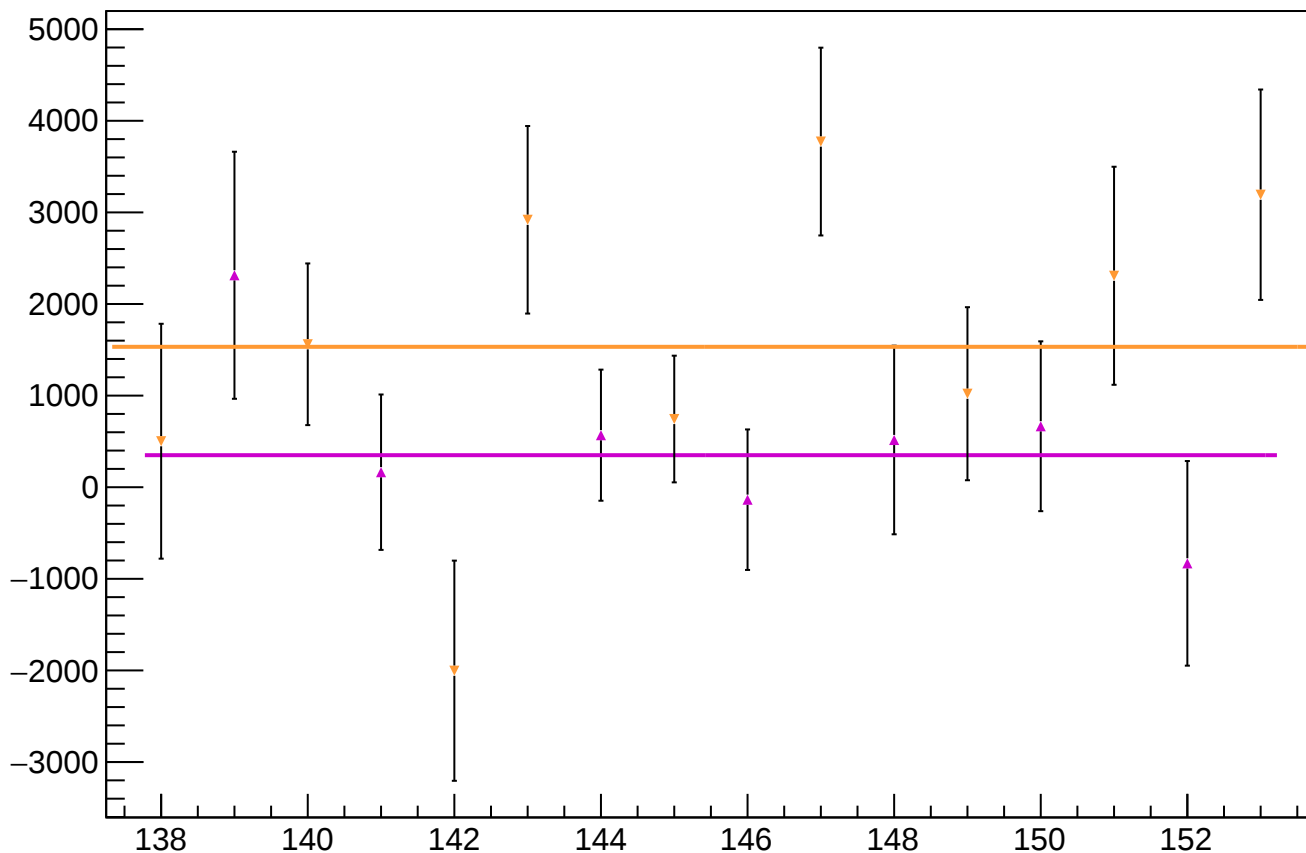
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 799.729+/-0.241 χ^2/NDF : 374643.3/6

823.306+/-0.232 χ^2/NDF : 451392.2/8

799.729+/-0.241 χ^2/NDF : 374643.3/6

asym_sam_3748_avg_mean vs Slug



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

Left Out: 1532.689+/-330.270 χ^2/NDF : 20.0/8

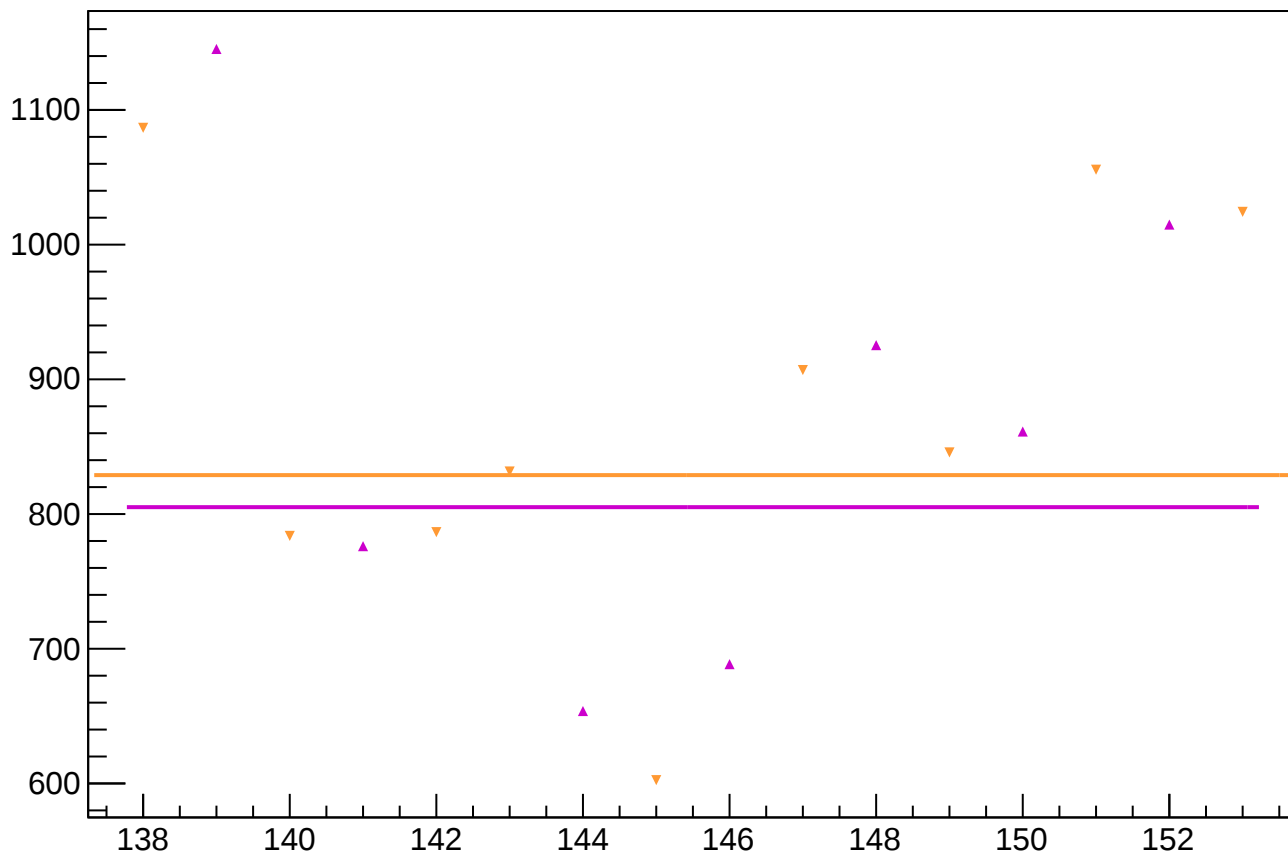
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 349.700+/-342.960 χ^2/NDF : 3.9/6

1532.689+/-330.270 χ^2/NDF : 20.0/8

349.700+/-342.960 χ^2/NDF : 3.9/6

asym_sam_3748_avg_rms vs Slug



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

Left Out: 828.903+/-0.234 χ^2/NDF : 445812.7/8

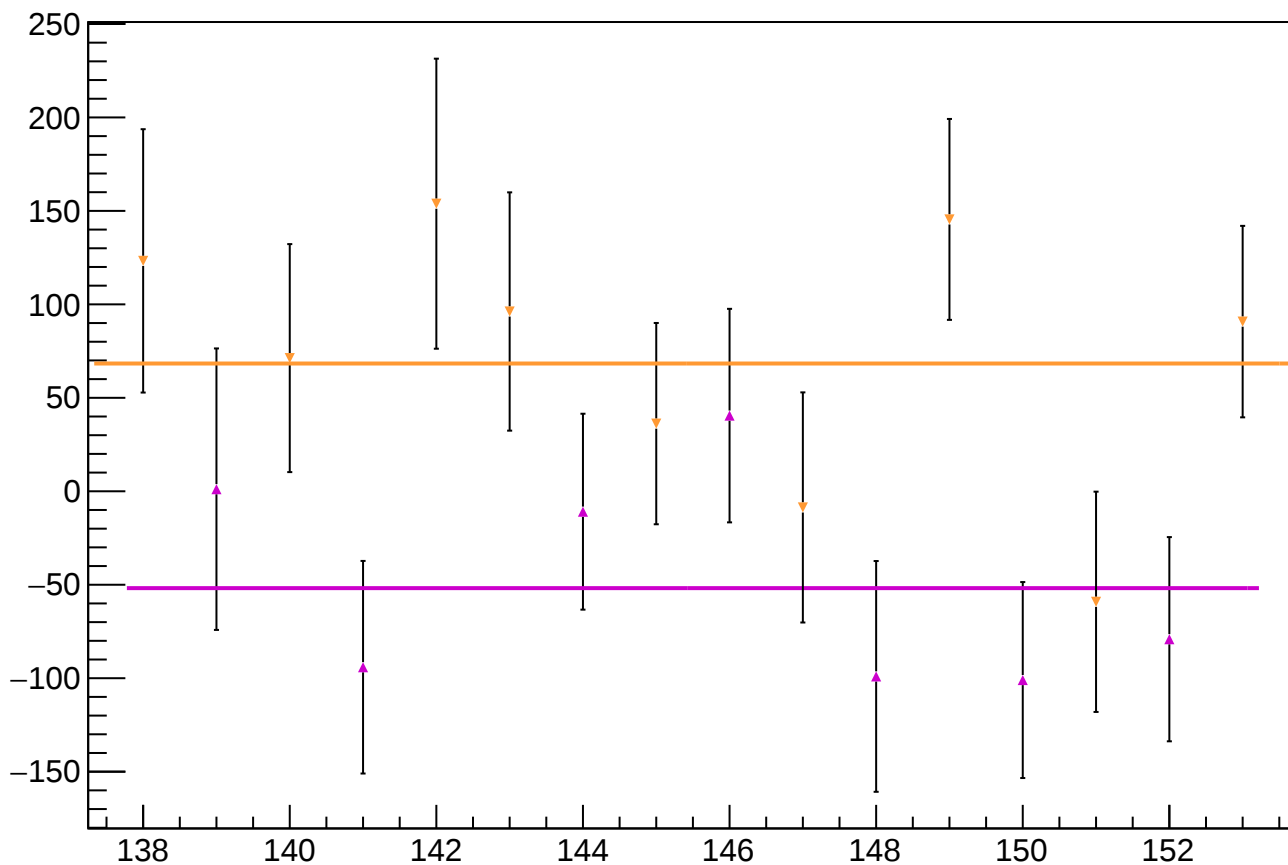
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 805.117+/-0.243 χ^2/NDF : 370443.1/6

828.903+/-0.234 χ^2/NDF : 445812.7/8

805.117+/-0.243 χ^2/NDF : 370443.1/6

reg_asym_sam_1526_avg_mean vs Slug



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

Left Out: 68.353+/-19.972 χ^2/NDF : 10.9/8

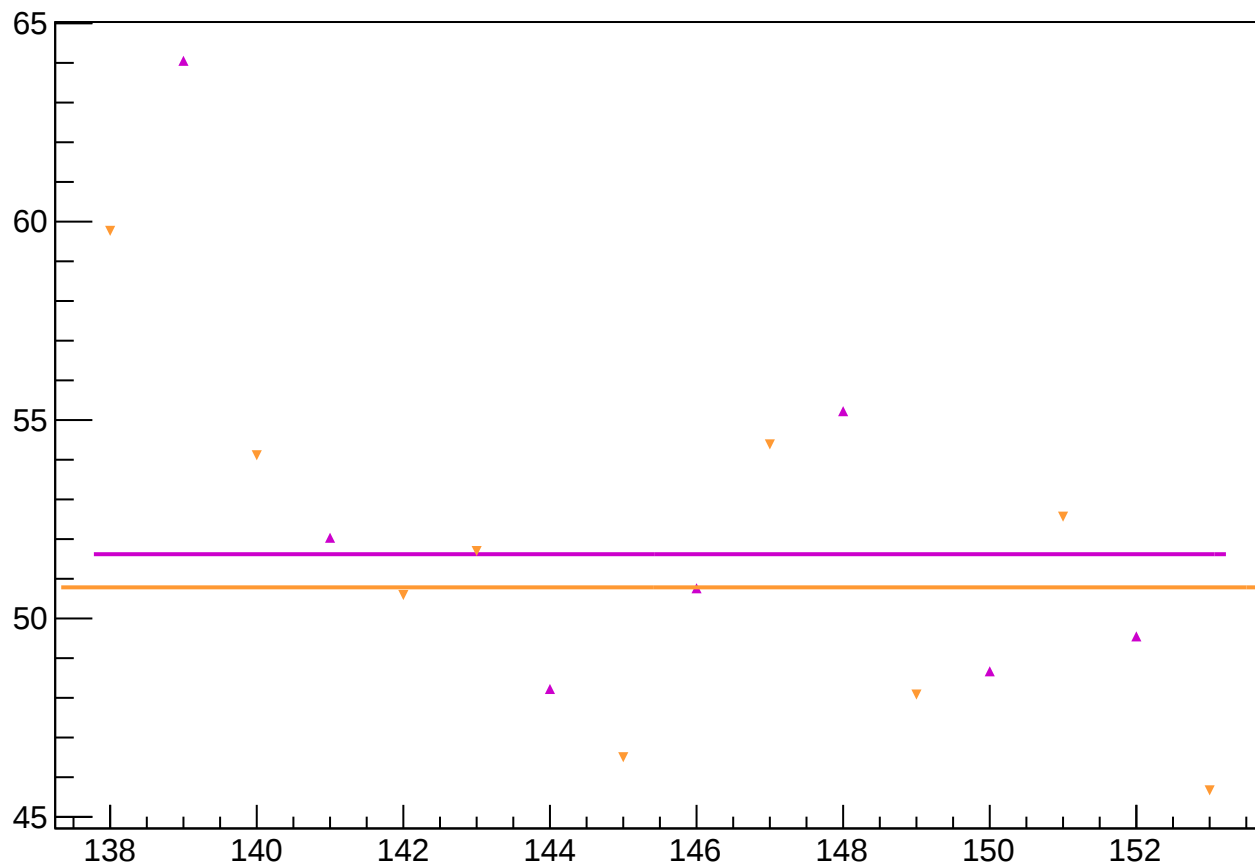
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -51.814+/-21.730 χ^2/NDF : 6.0/6

68.353+/-19.972 χ^2/NDF : 10.9/8

-51.814+/-21.730 χ^2/NDF : 6.0/6

reg_asym_sam_1526_avg_rms vs Slug



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

Left Out: 50.784+/-0.014 χ^2/NDF : 85227.4/8

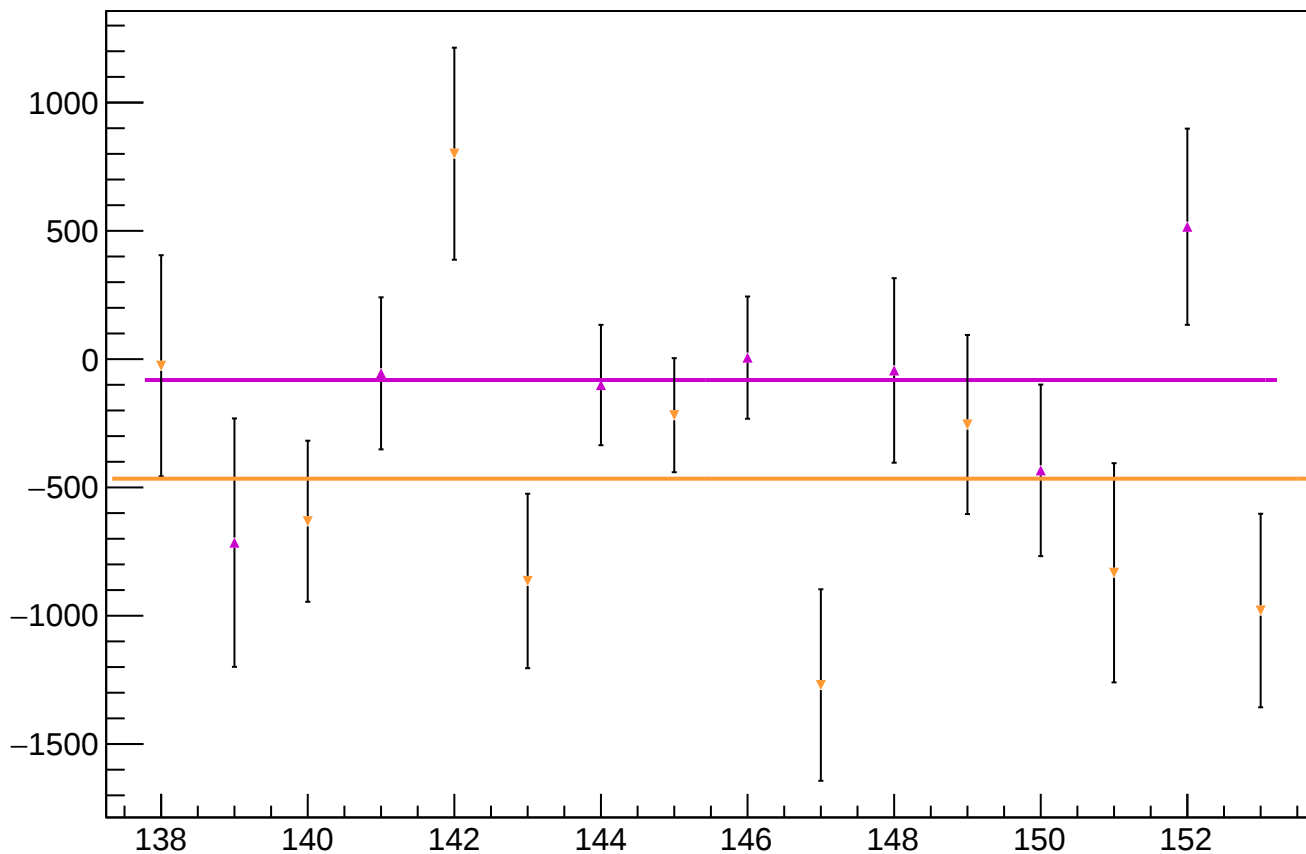
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 51.620+/-0.015 χ^2/NDF : 79523.5/6

50.784+/-0.014 χ^2/NDF : 85227.4/8

51.620+/-0.015 χ^2/NDF : 79523.5/6

asym_sam_1526_avg_correction_mean vs Slug



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

Left Out: -465.866+/-113.097 χ^2/NDF :20.9/8

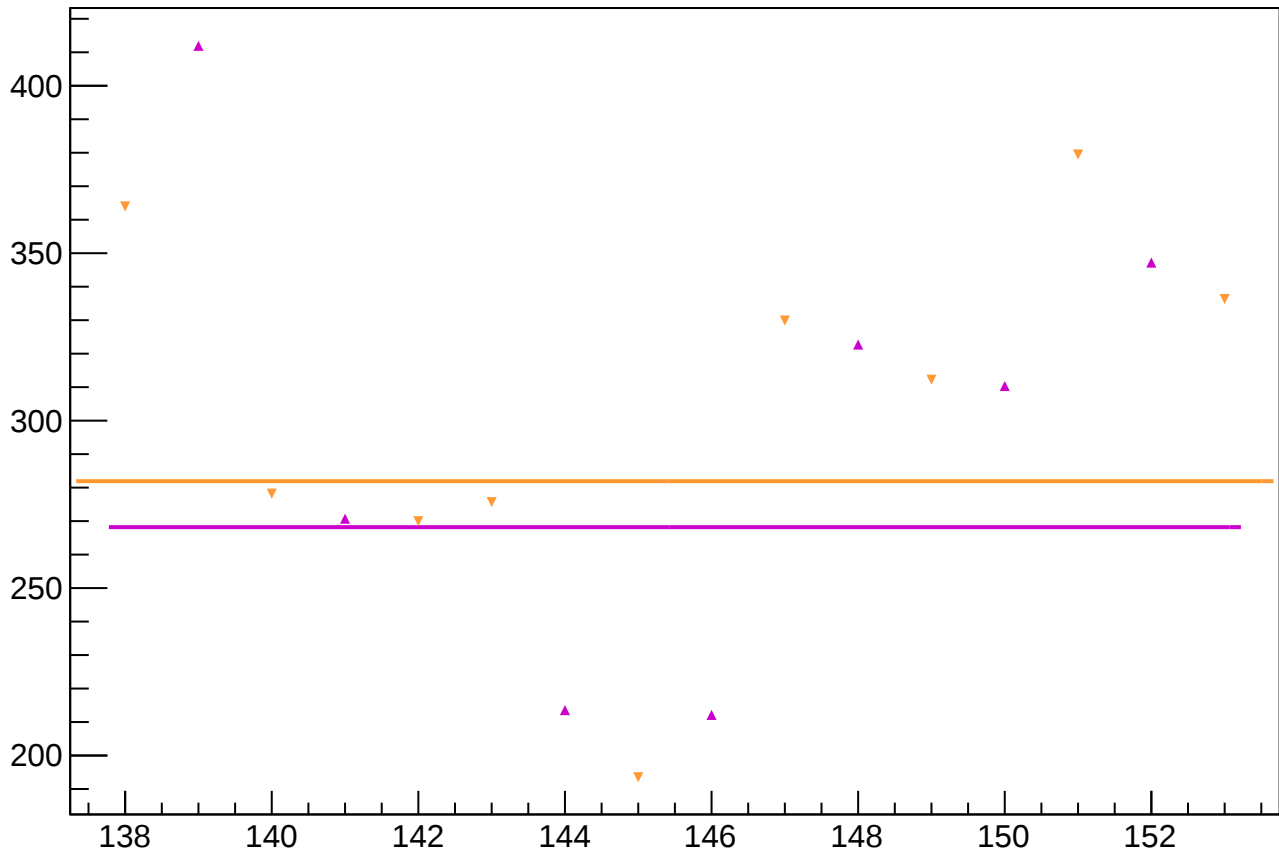
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -81.375+/-115.490 χ^2/NDF :5.4/6

-465.866+/-113.097 χ^2/NDF : 20.9/8

-81.375+/-115.490 χ^2/NDF : 5.4/6

asym_sam_1526_avg_correction_rms vs Slug



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

Left Out: 281.928+/-0.080 χ^2/NDF : 585539.2/8

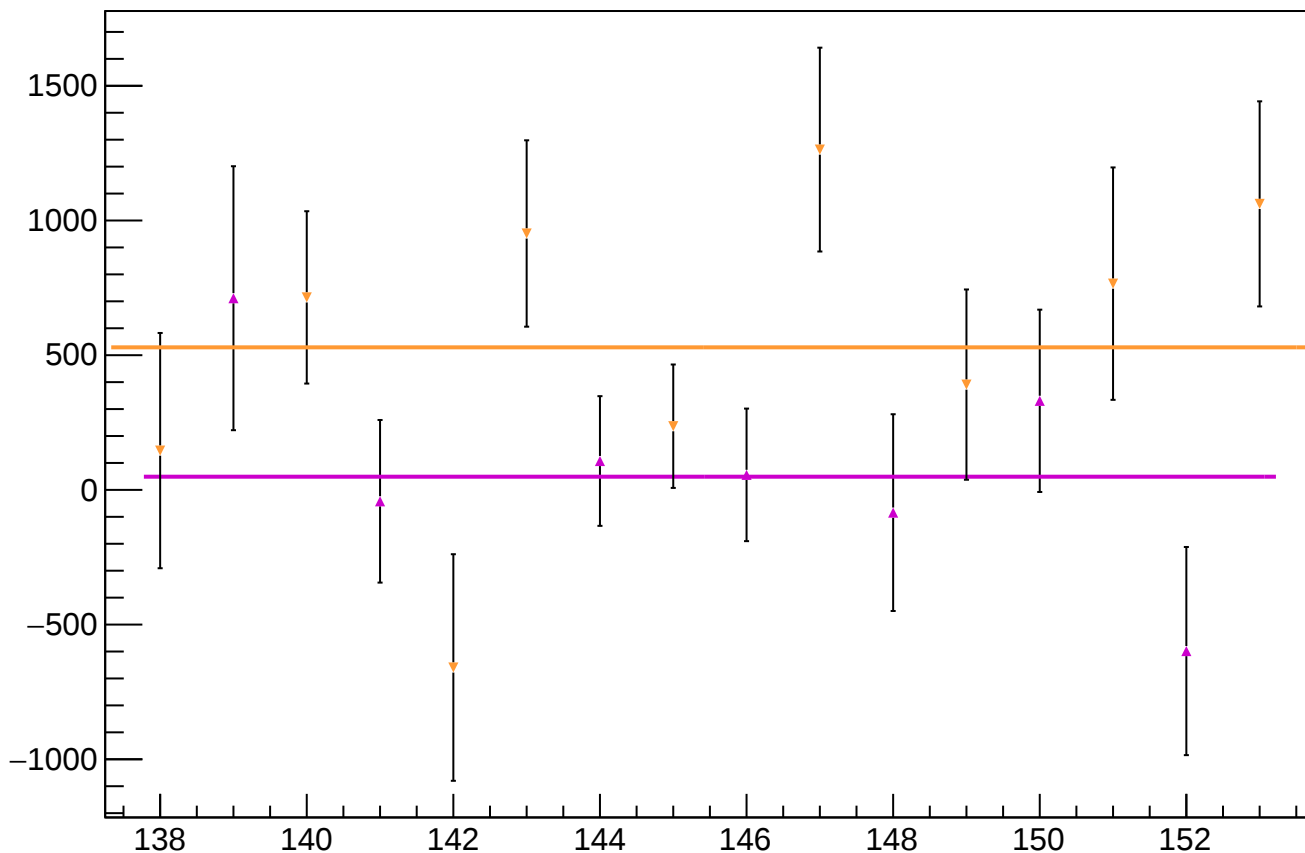
281.928+/-0.080 χ^2/NDF : 585539.2/8

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

268.199+/-0.082 χ^2/NDF : 558960.9/6

Left In: 268.199+/-0.082 χ^2/NDF : 558960.9/6

asym_sam_1526_avg_mean vs Slug



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

Left Out: 529.159+/-115.193 χ^2/NDF : 18.4/8

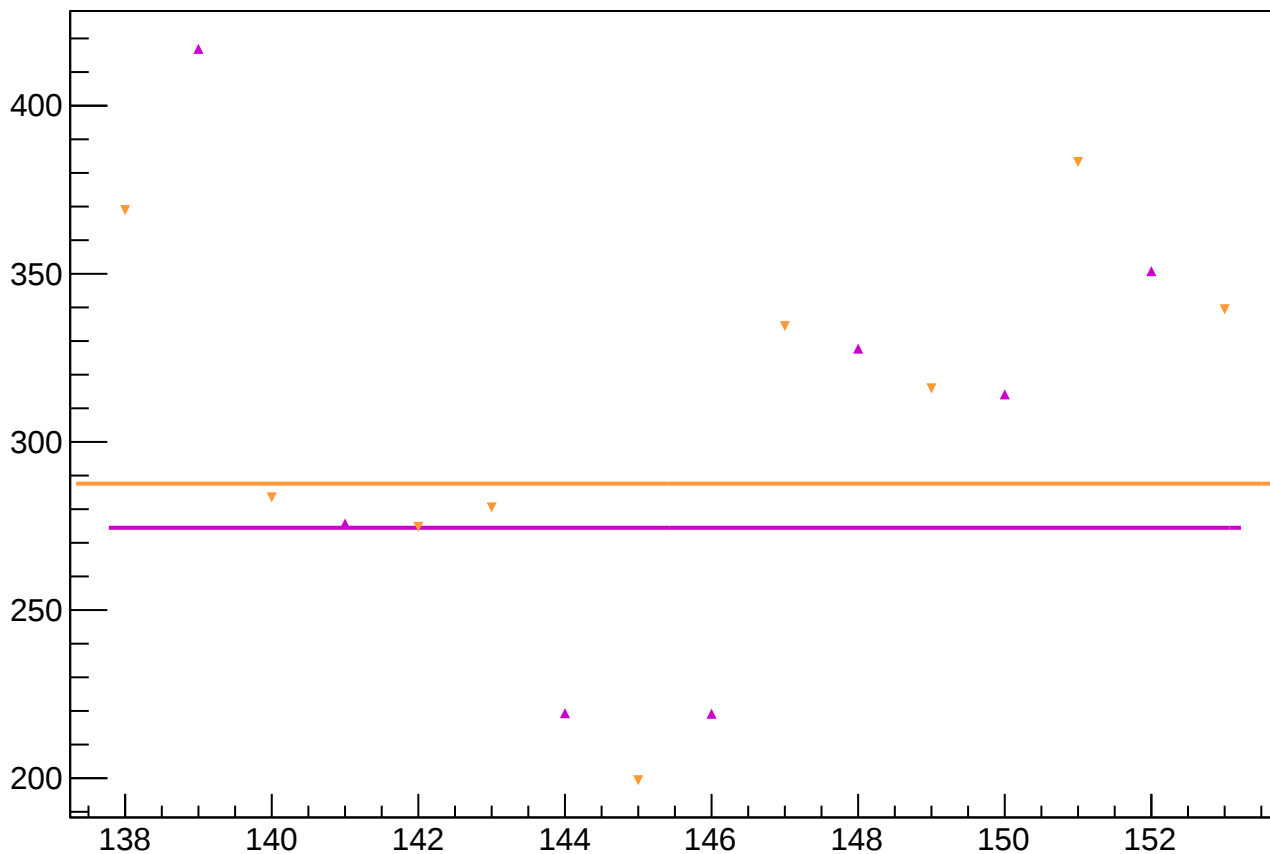
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 48.956+/-117.976 χ^2/NDF : 5.6/6

529.159+/-115.193 χ^2/NDF : 18.4/8

48.956+/-117.976 χ^2/NDF : 5.6/6

asym_sam_1526_avg_rms vs Slug



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

Left Out: 287.598+/-0.081 χ^2/NDF : 547860.1/8

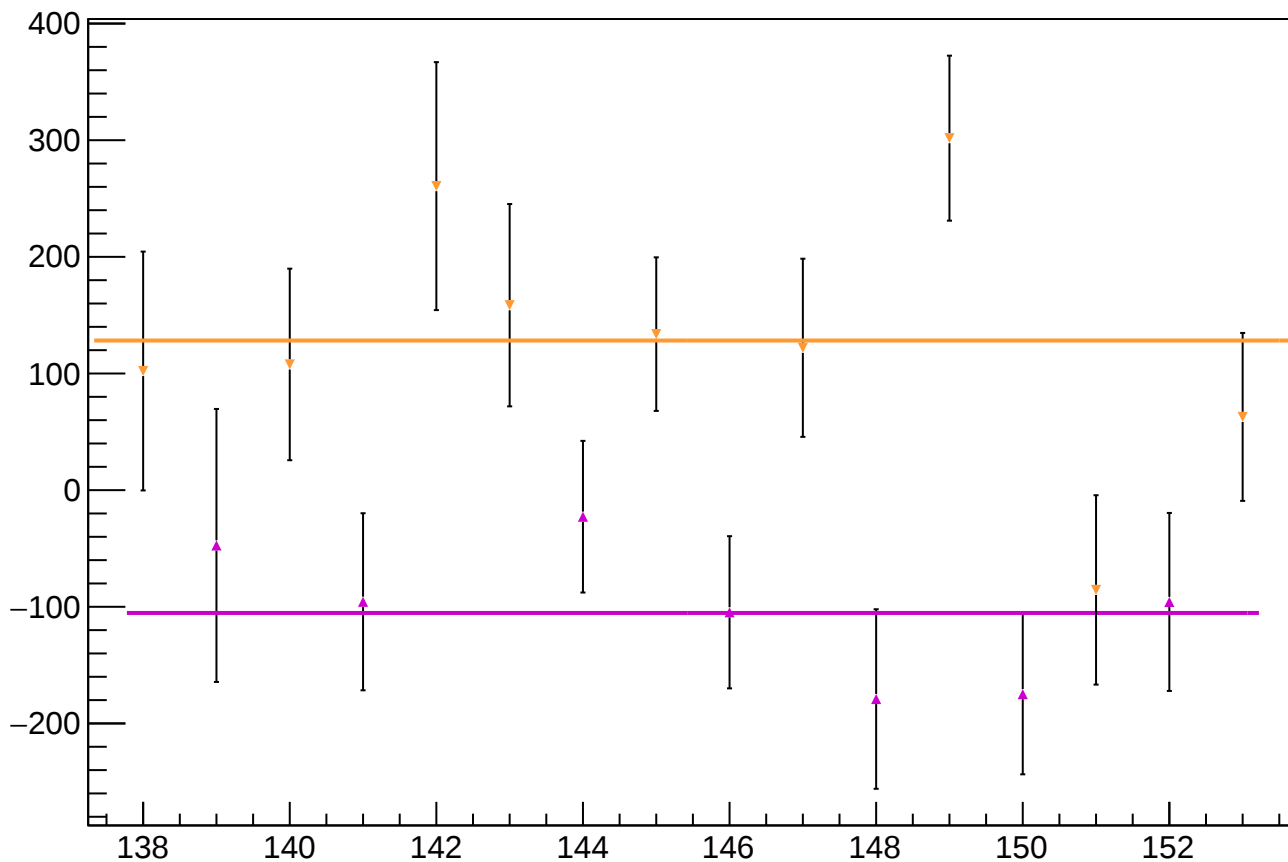
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 274.474+/-0.083 χ^2/NDF : 523175.9/6

287.598+/-0.081 χ^2/NDF : 547860.1/8

274.474+/-0.083 χ^2/NDF : 523175.9/6

reg_asym_sam_3726_avg_mean vs Slug



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

Left Out: 128.272+/-26.611 χ^2/NDF :15.6/8

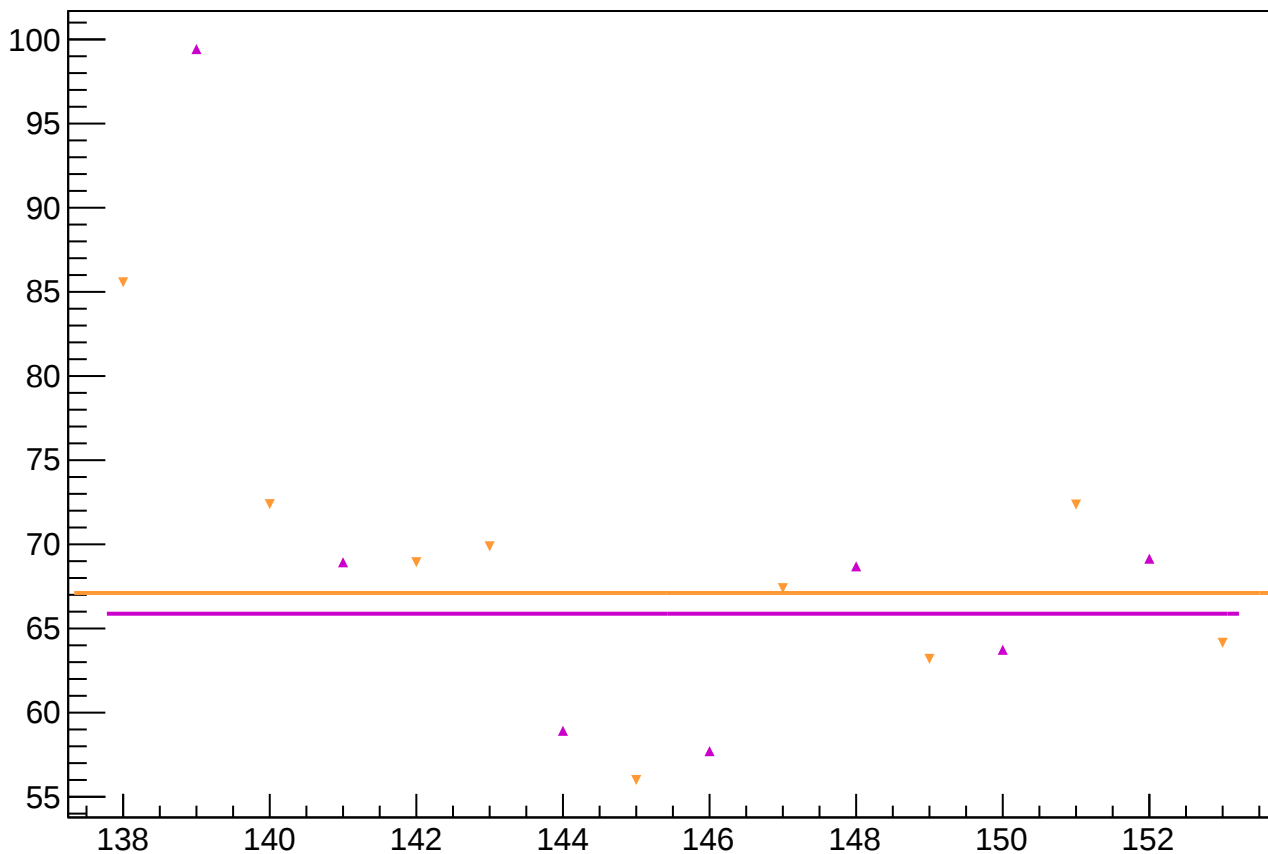
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -105.279+/-28.057 χ^2/NDF :3.8/6

128.272+/-26.611 χ^2/NDF : 15.6/8

-105.279+/-28.057 χ^2/NDF : 3.8/6

reg_asym_sam_3726_avg_rms vs Slug



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

Left Out: 67.110+/-0.019 χ^2/NDF :150815.5/8

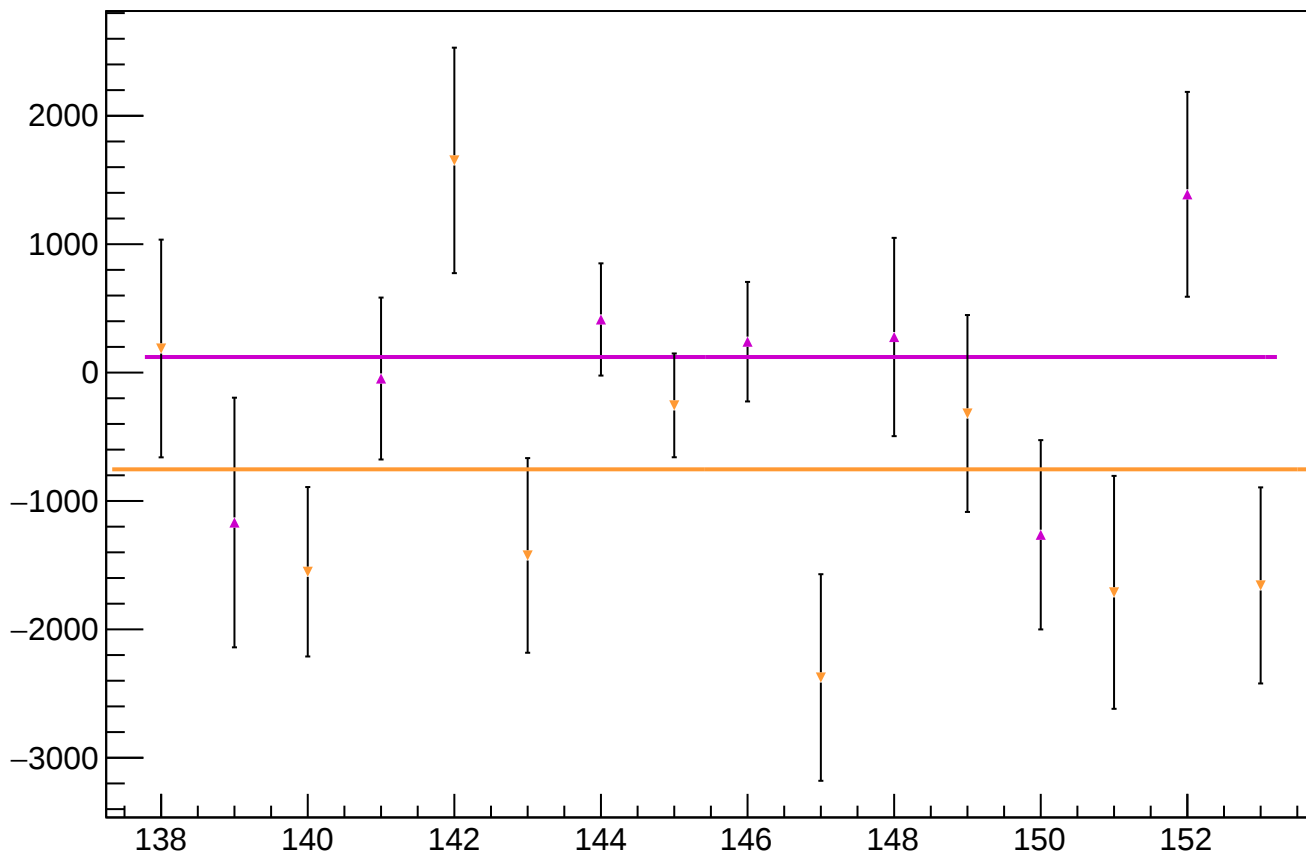
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 65.878+/-0.020 χ^2/NDF :230157.8/6

67.110+/-0.019 χ^2/NDF : 150815.5/8

65.878+/-0.020 χ^2/NDF : 230157.8/6

asym_sam_3726_avg_correction_mean vs Slug



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

Left Out: -753.511 $\pm$ 229.285 χ^2 /NDF:19.4/8

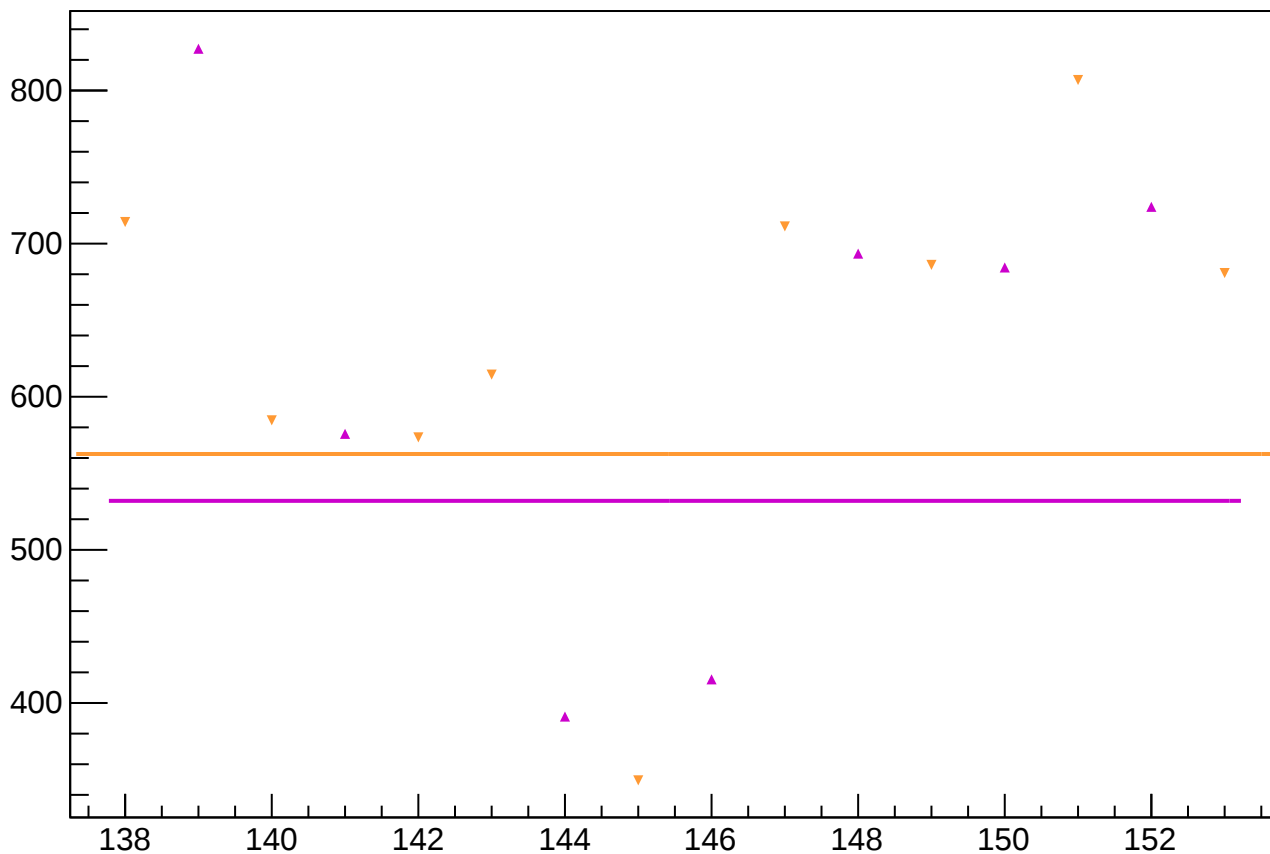
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 121.346 $\pm$ 232.421 χ^2 /NDF:8.4/6

-753.511 $\pm$ 229.285 χ^2 /NDF: 19.4/8

121.346 $\pm$ 232.421 χ^2 /NDF: 8.4/6

asym_sam_3726_avg_correction_rms vs Slug



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

Left Out: 562.611+/-0.162 χ^2/NDF : 944903.1/8

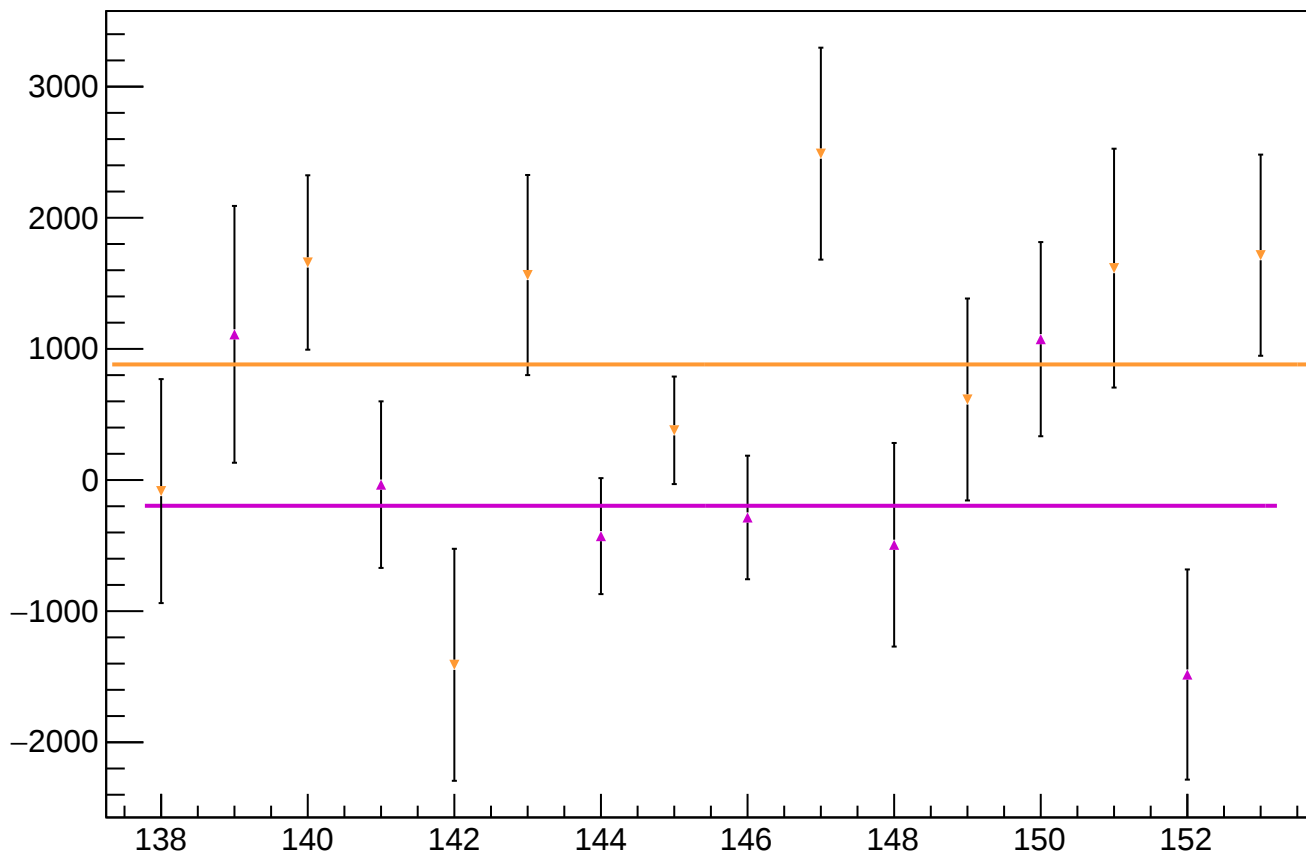
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 532.015+/-0.164 χ^2/NDF : 816148.1/6

562.611+/-0.162 χ^2/NDF : 944903.1/8

532.015+/-0.164 χ^2/NDF : 816148.1/6

asym_sam_3726_avg_mean vs Slug



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

Left Out: 881.541+/-231.267 χ^2/NDF : 17.6/8

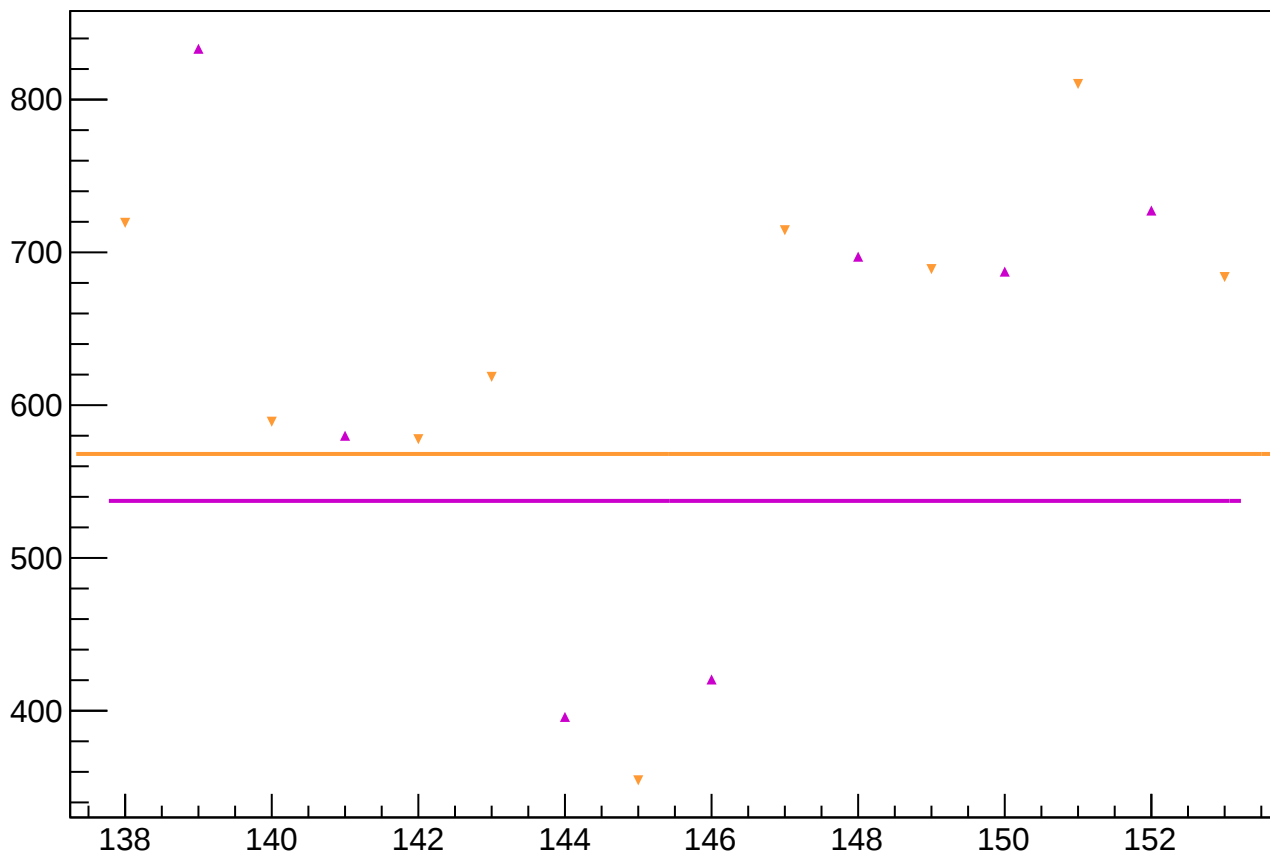
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -196.378+/-234.539 χ^2/NDF : 7.8/6

881.541+/-231.267 χ^2/NDF : 17.6/8

-196.378+/-234.539 χ^2/NDF : 7.8/6

asym_sam_3726_avg_rms vs Slug



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

Left Out: 568.068+/-0.164 χ^2/NDF : 918461.2/8

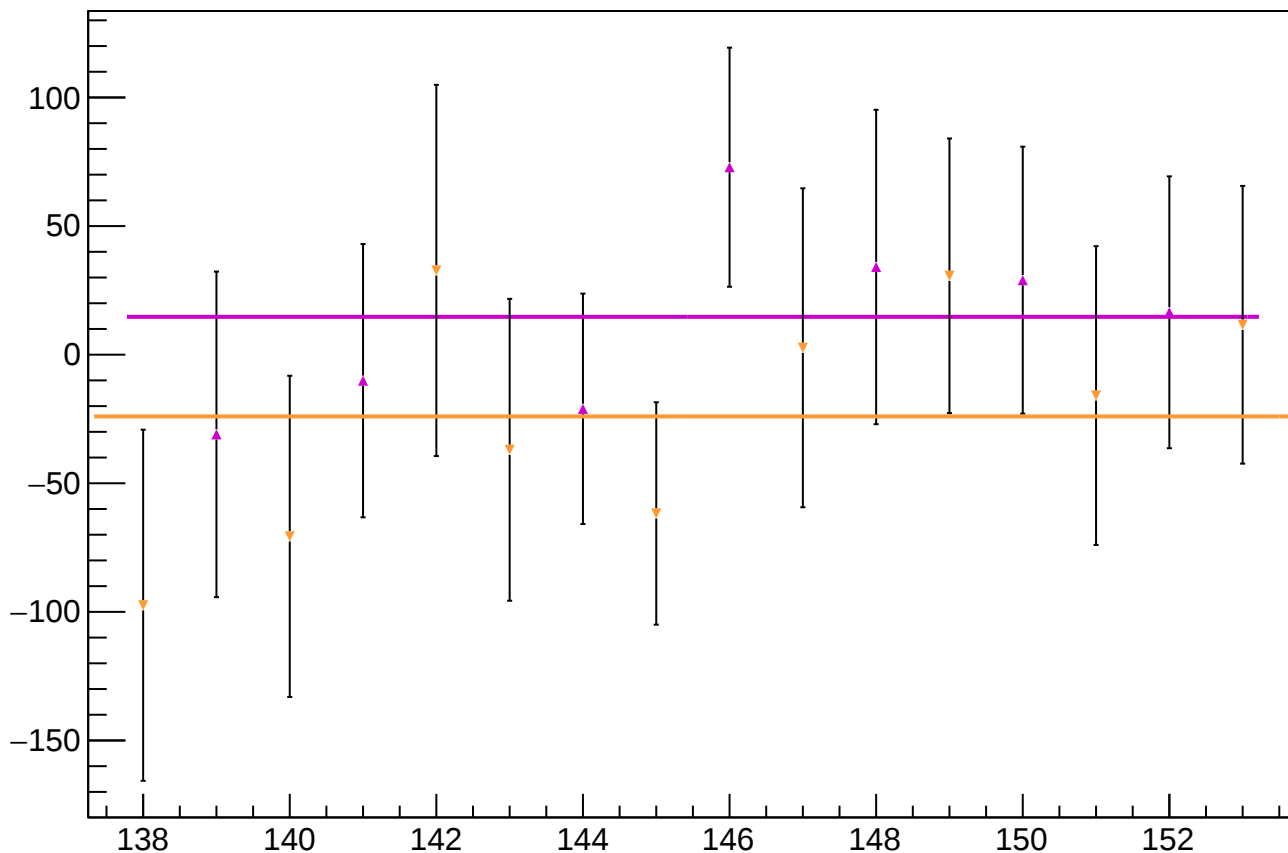
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 537.344+/-0.166 χ^2/NDF : 798455.5/6

568.068+/-0.164 χ^2/NDF : 918461.2/8

537.344+/-0.166 χ^2/NDF : 798455.5/6

reg_asym_sam_15_48_dd_mean vs Slug



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

Left Out: -24.012+/-19.109 χ^2/NDF : 4.8/8

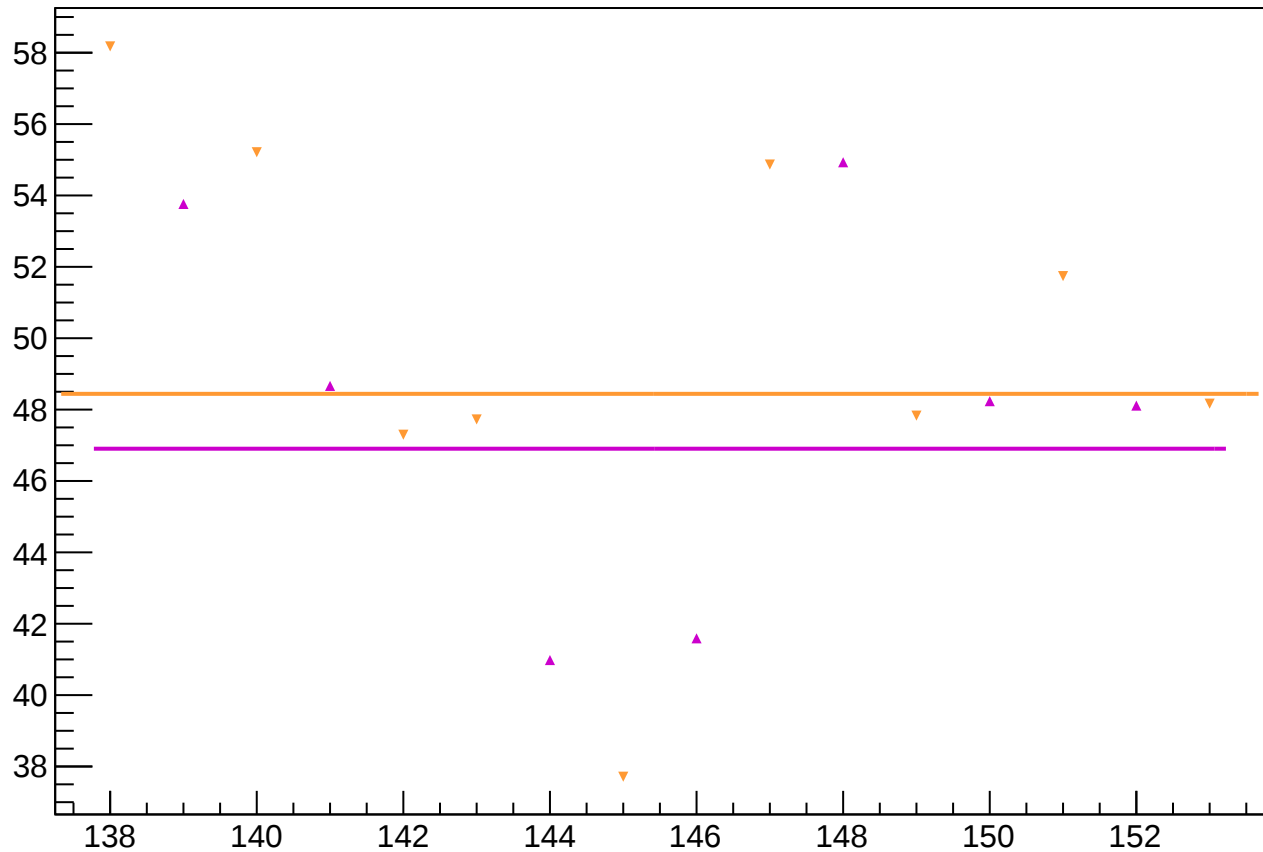
-24.012+/-19.109 χ^2/NDF : 4.8/8

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

14.719+/-19.756 χ^2/NDF : 3.1/6

Left In: 14.719+/-19.756 χ^2/NDF : 3.1/6

reg_asym_sam_15_48_dd_rms vs Slug



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

Left Out: 48.441+/-0.014 χ^2/NDF :216328.8/8

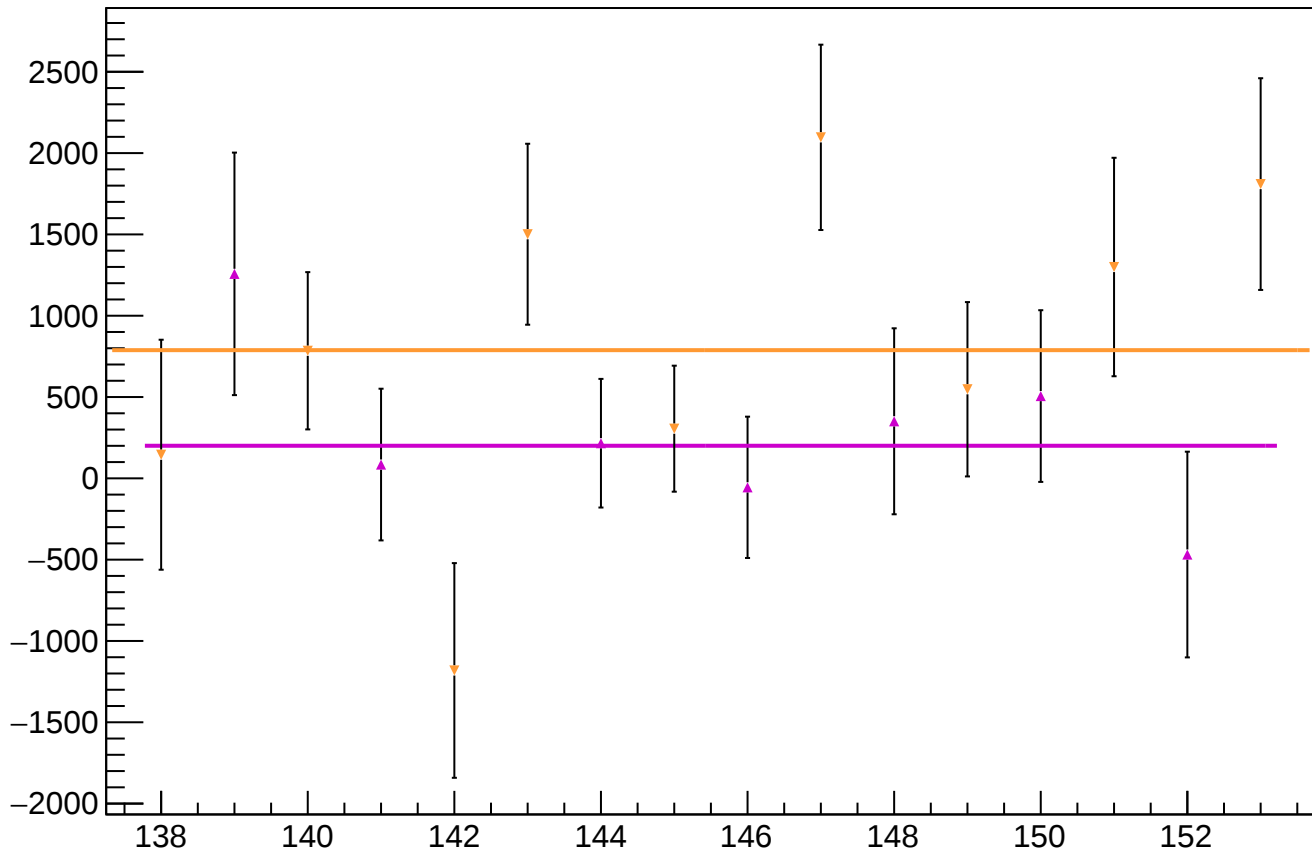
48.441+/-0.014 χ^2/NDF : 216328.8/8

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

46.904+/-0.014 χ^2/NDF : 123611.1/6

Left In: 46.904+/-0.014 χ^2/NDF :123611.1/6

asym_sam_15_48_dd_correction_mean vs Slug



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

Left Out: 788.246 $\pm$ 183.807 χ^2 /NDF: 21.4/8

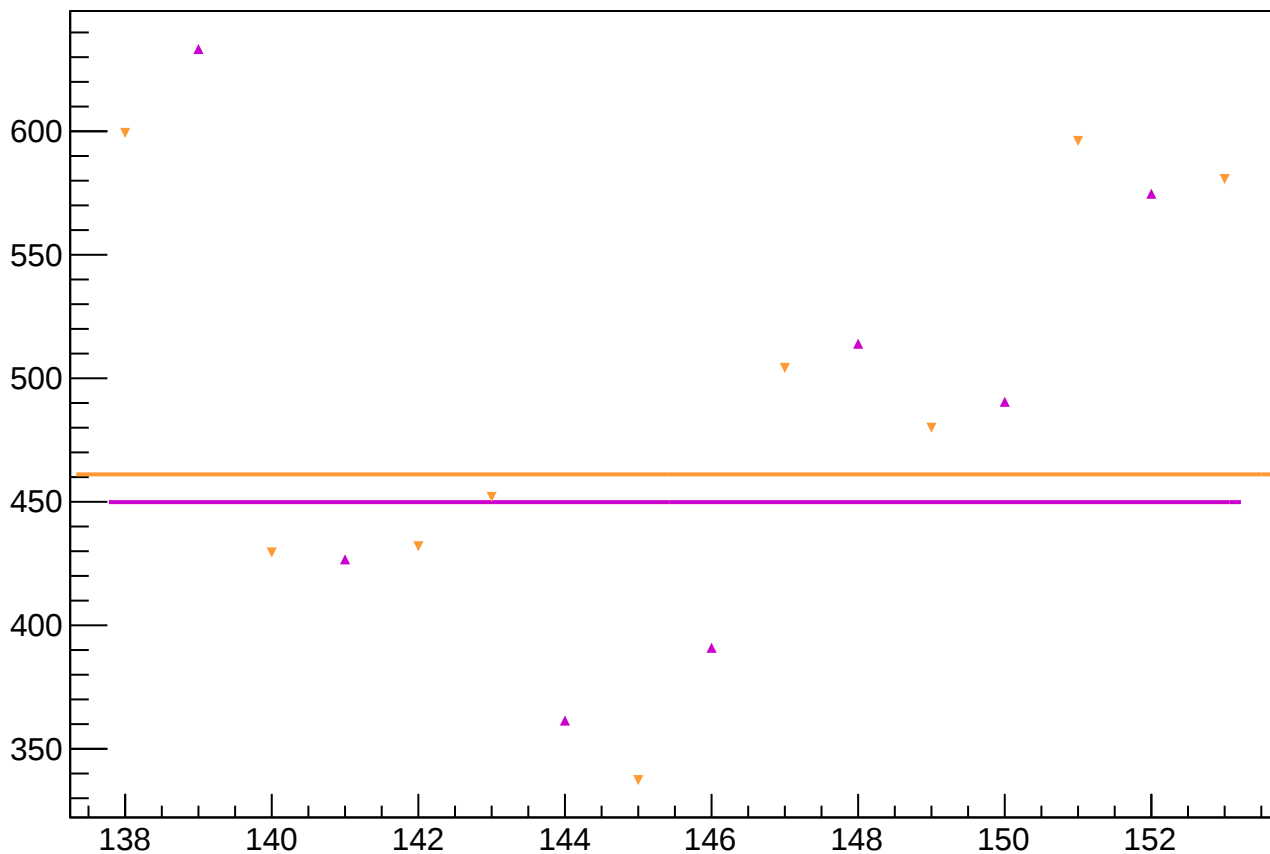
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 200.397 $\pm$ 191.630 χ^2 /NDF: 3.9/6

788.246 $\pm$ 183.807 χ^2 /NDF: 21.4/8

200.397 $\pm$ 191.630 χ^2 /NDF: 3.9/6

asym_sam_15_48_dd_correction_rms vs Slug



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

Left Out: 461.110+/-0.130 χ^2/NDF : 455638.3/8

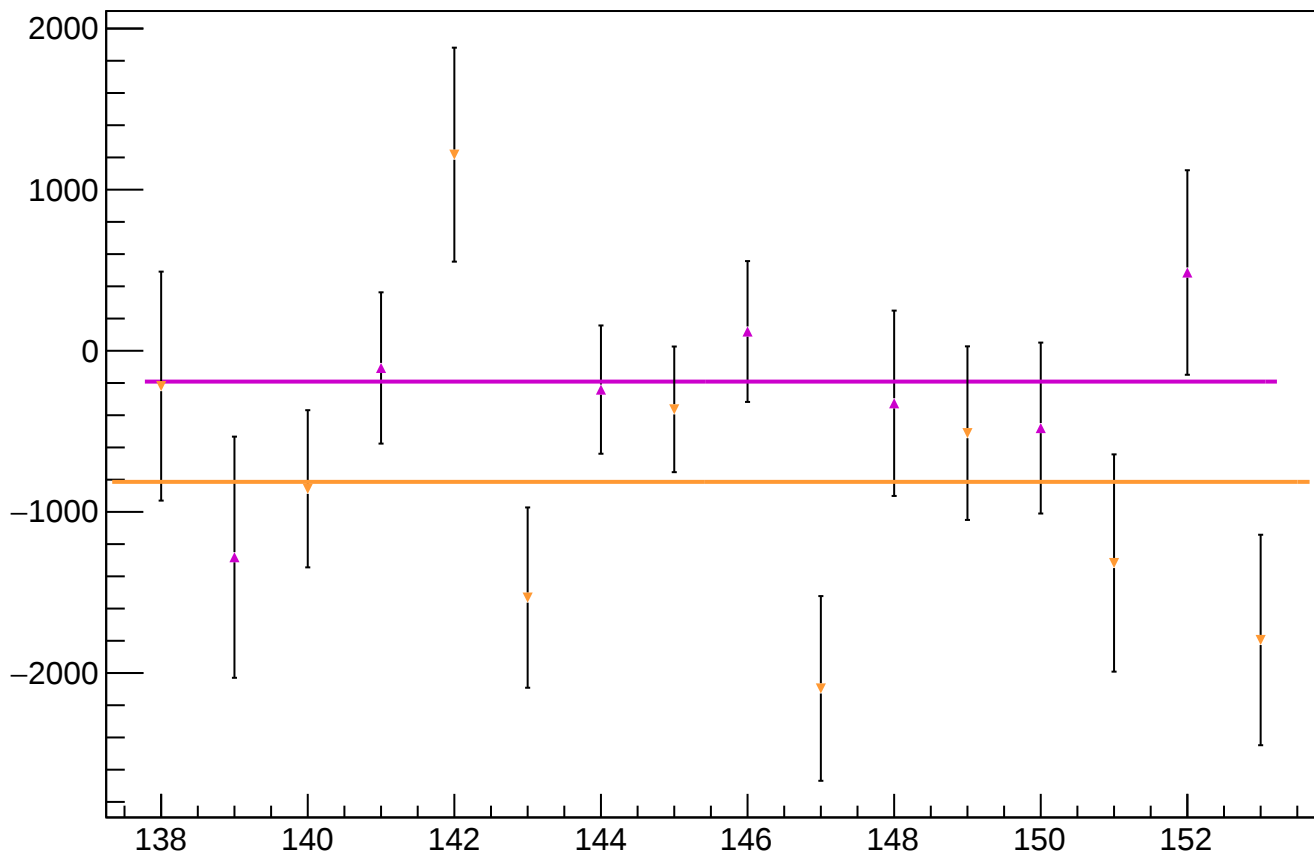
461.110+/-0.130 χ^2/NDF : 455638.3/8

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

449.873+/-0.136 χ^2/NDF : 377694.0/6

Left In: 449.873+/-0.136 χ^2/NDF : 377694.0/6

asym_sam_15_48_dd_mean vs Slug



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

Left Out: -813.570+/-184.884 χ^2/NDF : 21.2/8

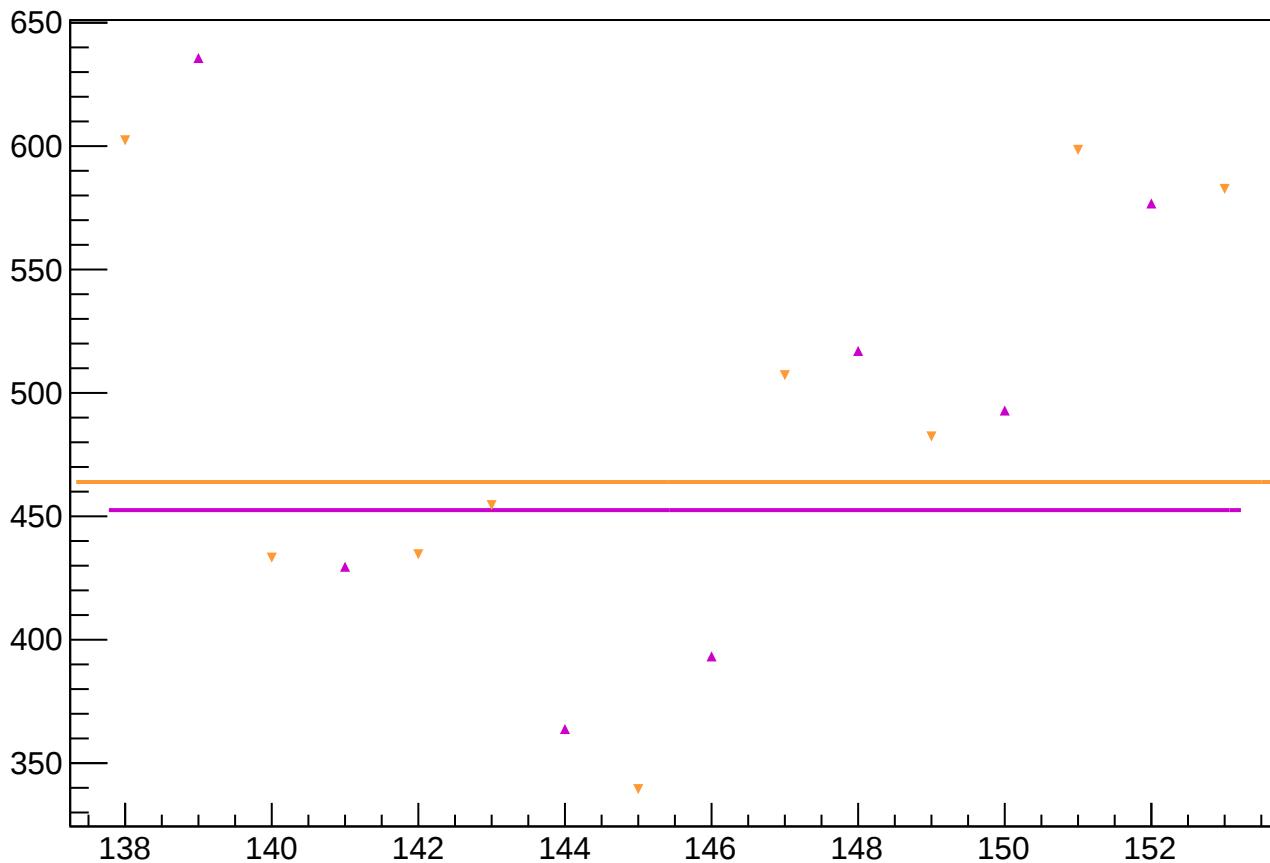
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -191.252+/-192.719 χ^2/NDF : 4.2/6

-813.570+/-184.884 χ^2/NDF : 21.2/8

-191.252+/-192.719 χ^2/NDF : 4.2/6

asym_sam_15_48_dd_rms vs Slug



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

Left Out: 463.909+/-0.131 χ^2/NDF : 451462.5/8

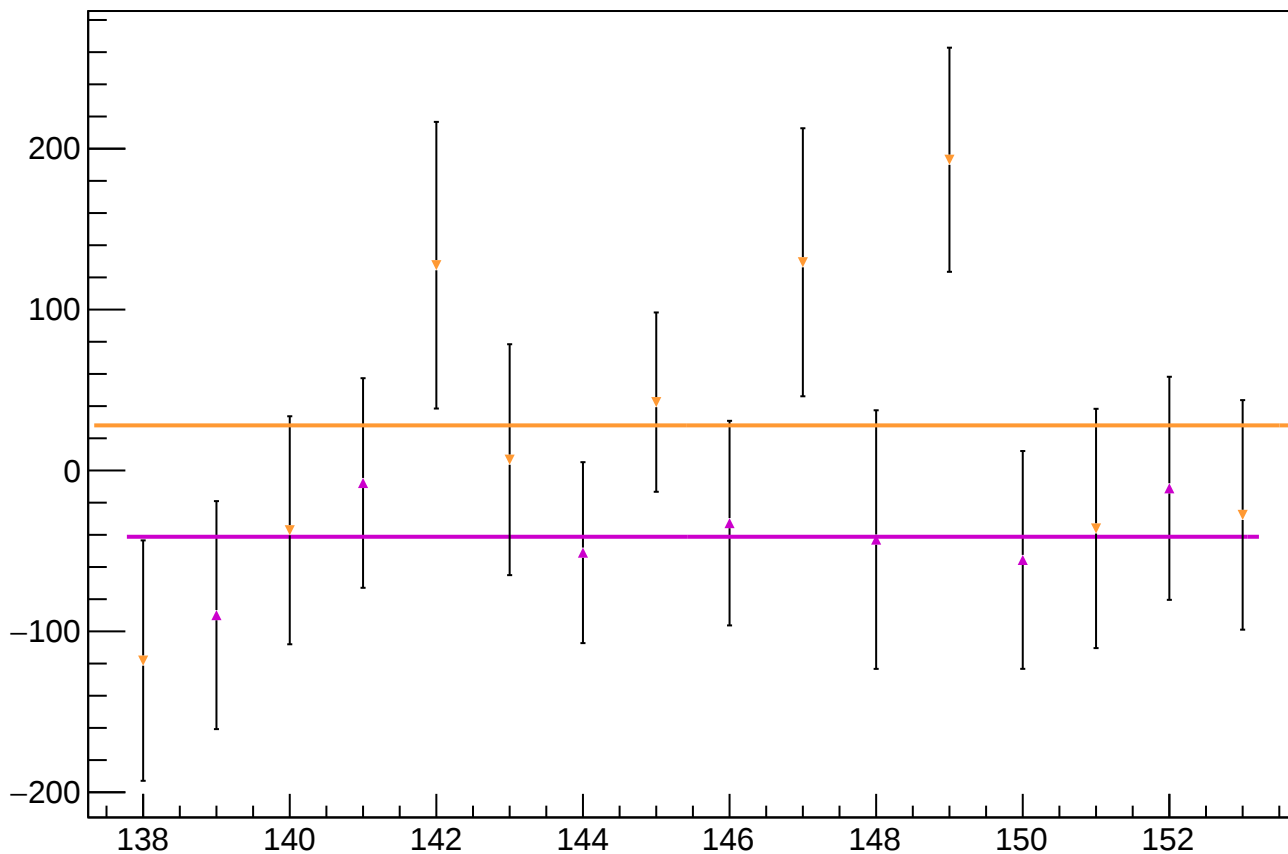
463.909+/-0.131 χ^2/NDF : 451462.5/8

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

452.518+/-0.136 χ^2/NDF : 373998.8/6

Left In: 452.518+/-0.136 χ^2/NDF : 373998.8/6

reg_asym_sam_37_48_dd_mean vs Slug



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

Left Out: 28.030+/-23.917 χ^2/NDF : 14.5/8

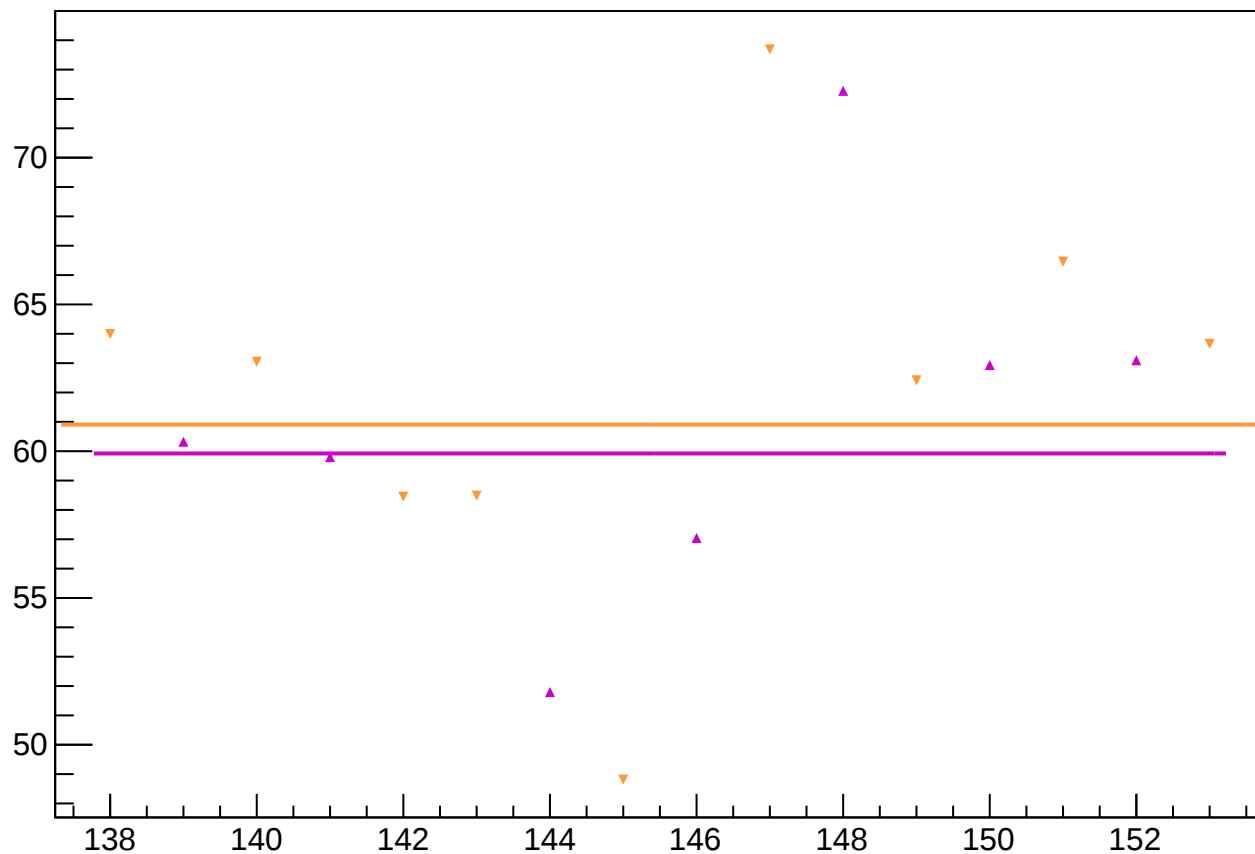
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -41.197+/-25.161 χ^2/NDF : 1.0/6

28.030+/-23.917 χ^2/NDF : 14.5/8

-41.197+/-25.161 χ^2/NDF : 1.0/6

reg_asym_sam_37_48_dd_rms vs Slug



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

Left Out: 60.907+/-0.017 χ^2/NDF :165378.3/8

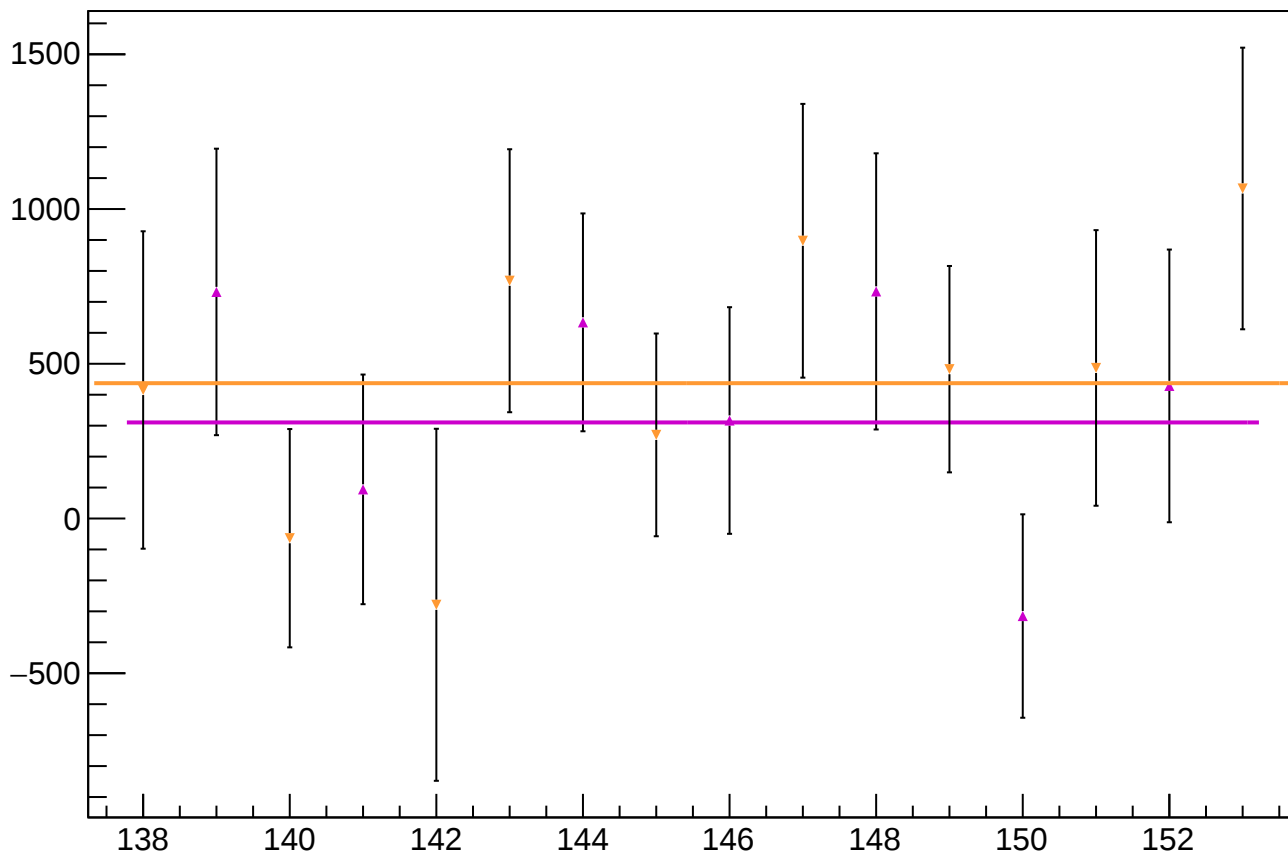
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 59.923+/-0.018 χ^2/NDF :101382.9/6

60.907+/-0.017 χ^2/NDF : 165378.3/8

59.923+/-0.018 χ^2/NDF : 101382.9/6

asym_sam_37_48_dd_correction_mean vs Slug



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

Left Out: 437.273+/-136.379 χ^2/NDF : 7.5/8

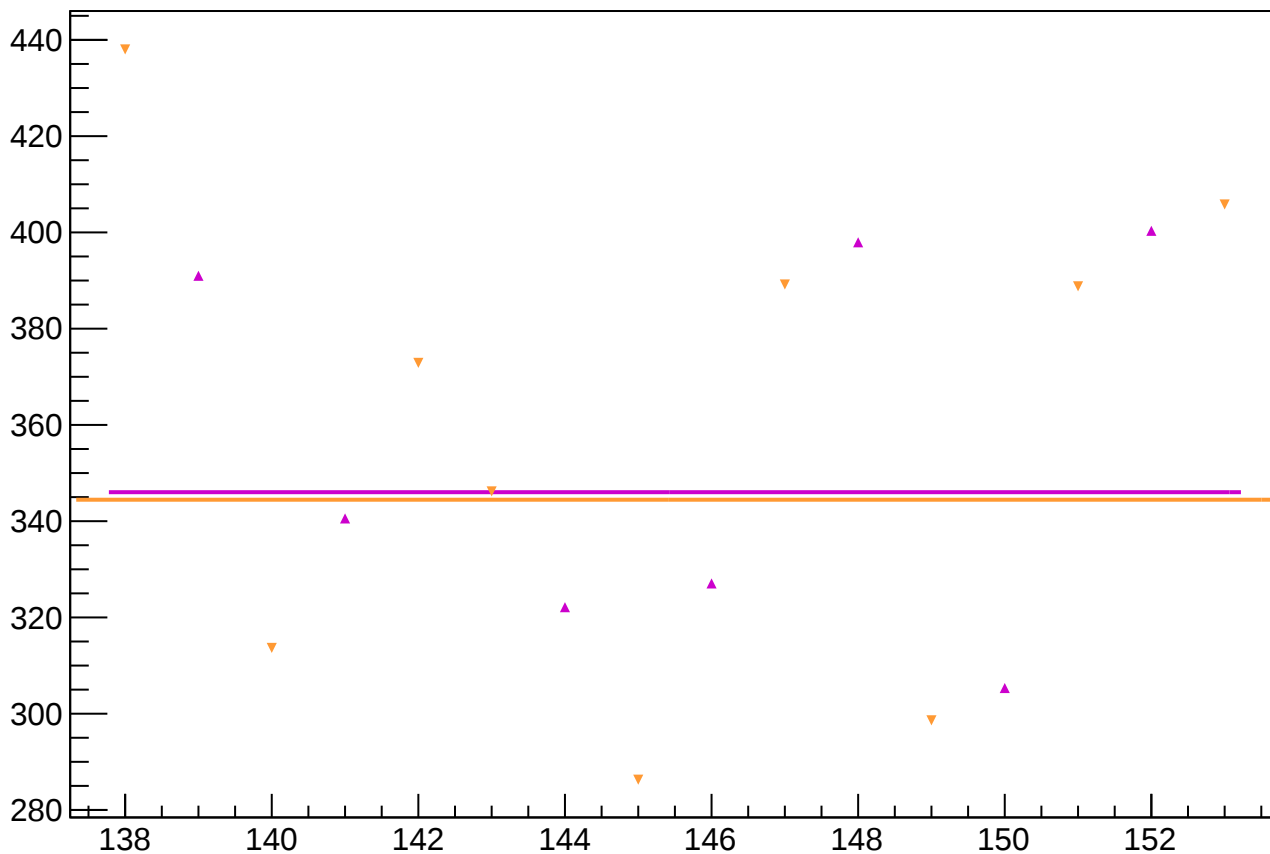
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 310.411+/-146.037 χ^2/NDF : 6.6/6

437.273+/-136.379 χ^2/NDF : 7.5/8

310.411+/-146.037 χ^2/NDF : 6.6/6

asym_sam_37_48_dd_correction_rms vs Slug



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

Left Out: 344.459+/-0.096 χ^2/NDF : 264311.0/8

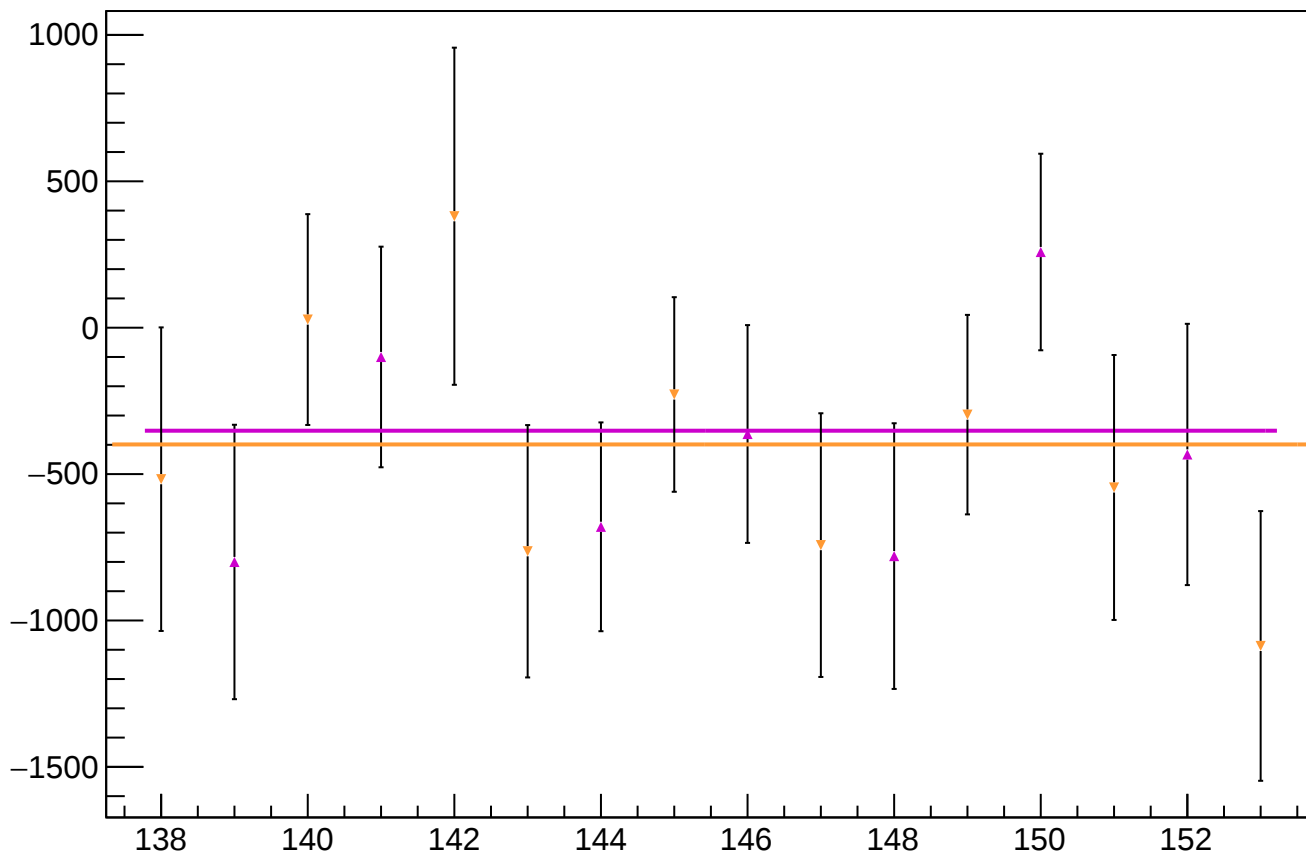
344.459+/-0.096 χ^2/NDF : 264311.0/8

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

346.024+/-0.103 χ^2/NDF : 121998.2/6

Left In: 346.024+/-0.103 χ^2/NDF : 121998.2/6

asym_sam_37_48_dd_mean vs Slug



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

Left Out: -398.722+/-138.628 χ^2/NDF : 7.3/8

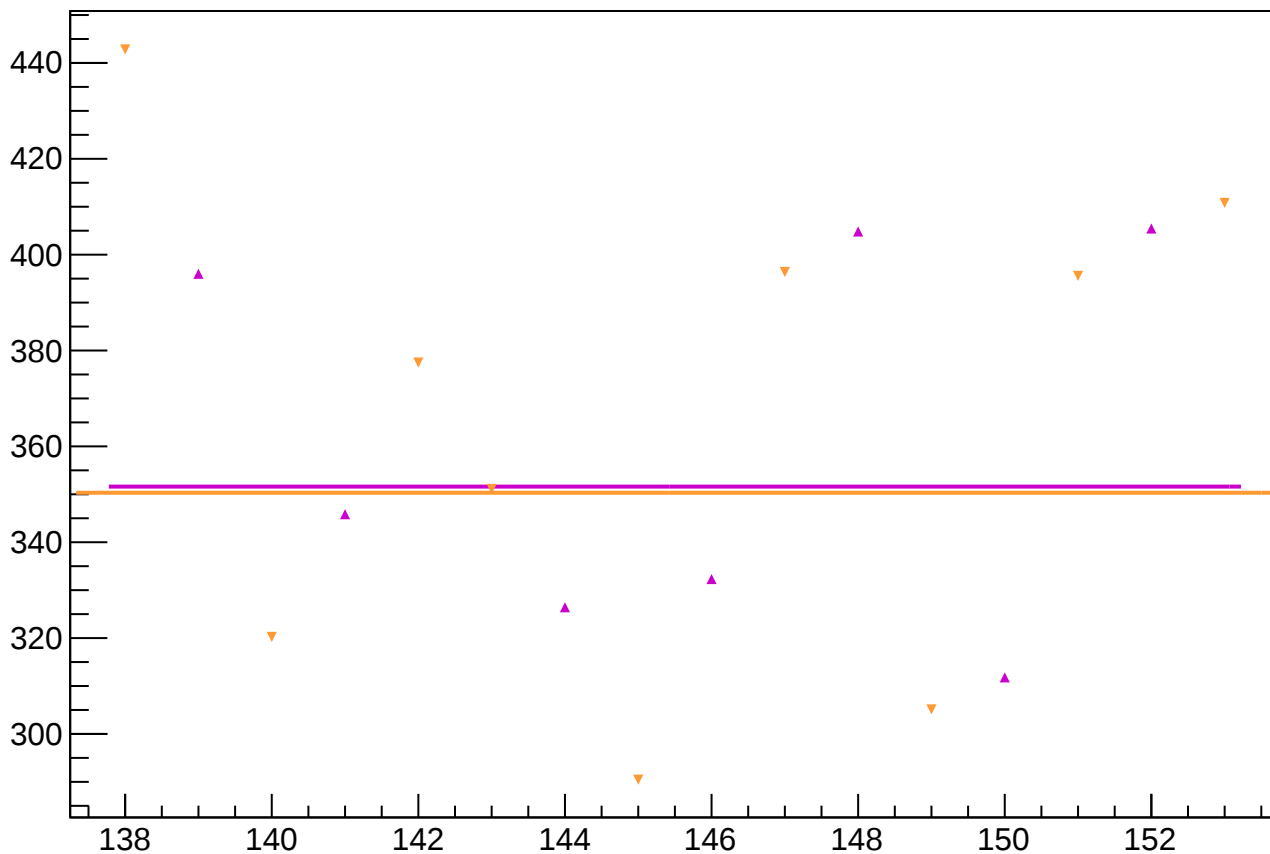
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -351.830+/-148.336 χ^2/NDF : 6.4/6

-398.722+/-138.628 χ^2/NDF : 7.3/8

-351.830+/-148.336 χ^2/NDF : 6.4/6

asym_sam_37_48_dd_rms vs Slug



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

Left Out: 350.326+/-0.098 χ^2/NDF : 257609.5/8

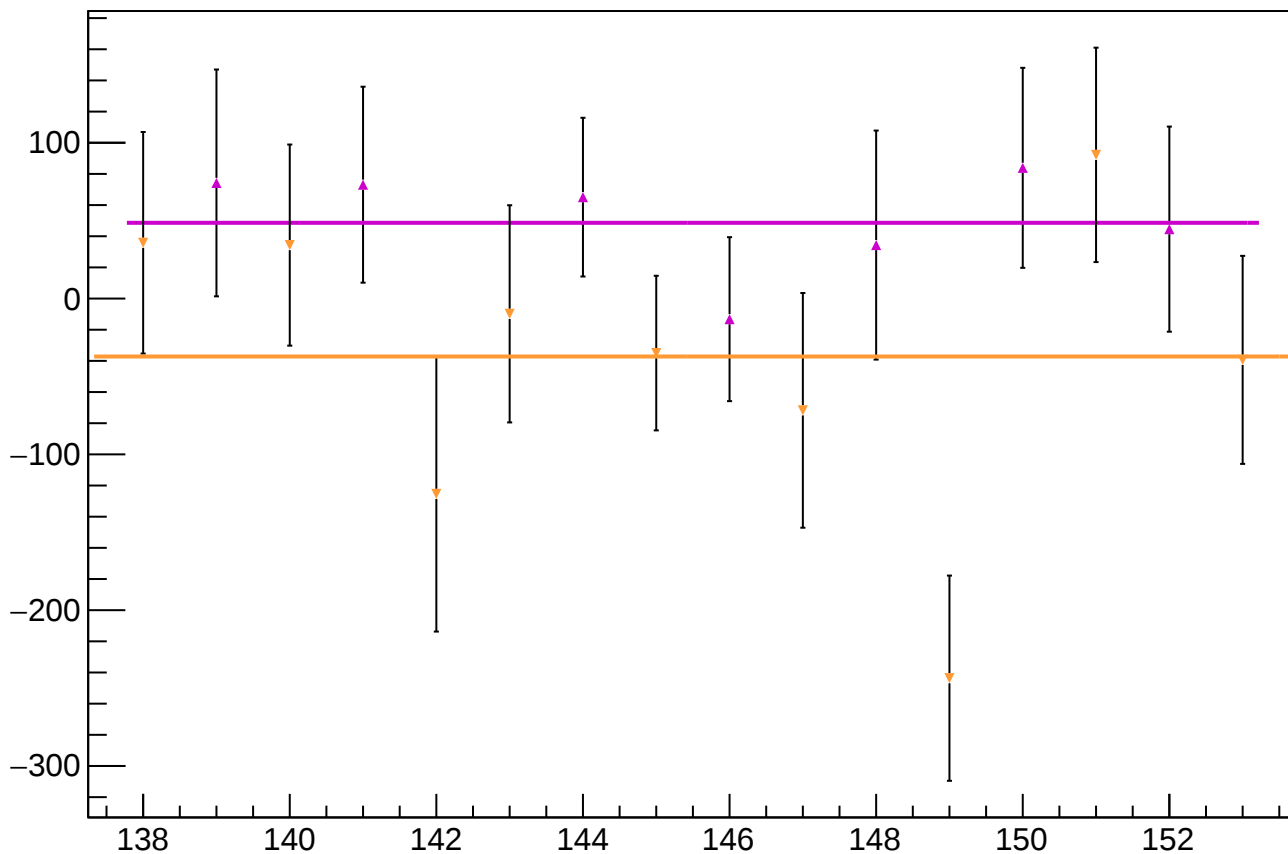
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 351.607+/-0.105 χ^2/NDF : 118549.3/6

350.326+/-0.098 χ^2/NDF : 257609.5/8

351.607+/-0.105 χ^2/NDF : 118549.3/6

reg_asym_sam_15_26_dd_mean vs Slug



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

Left Out: -37.188+/-22.247 χ^2/NDF :17.0/8

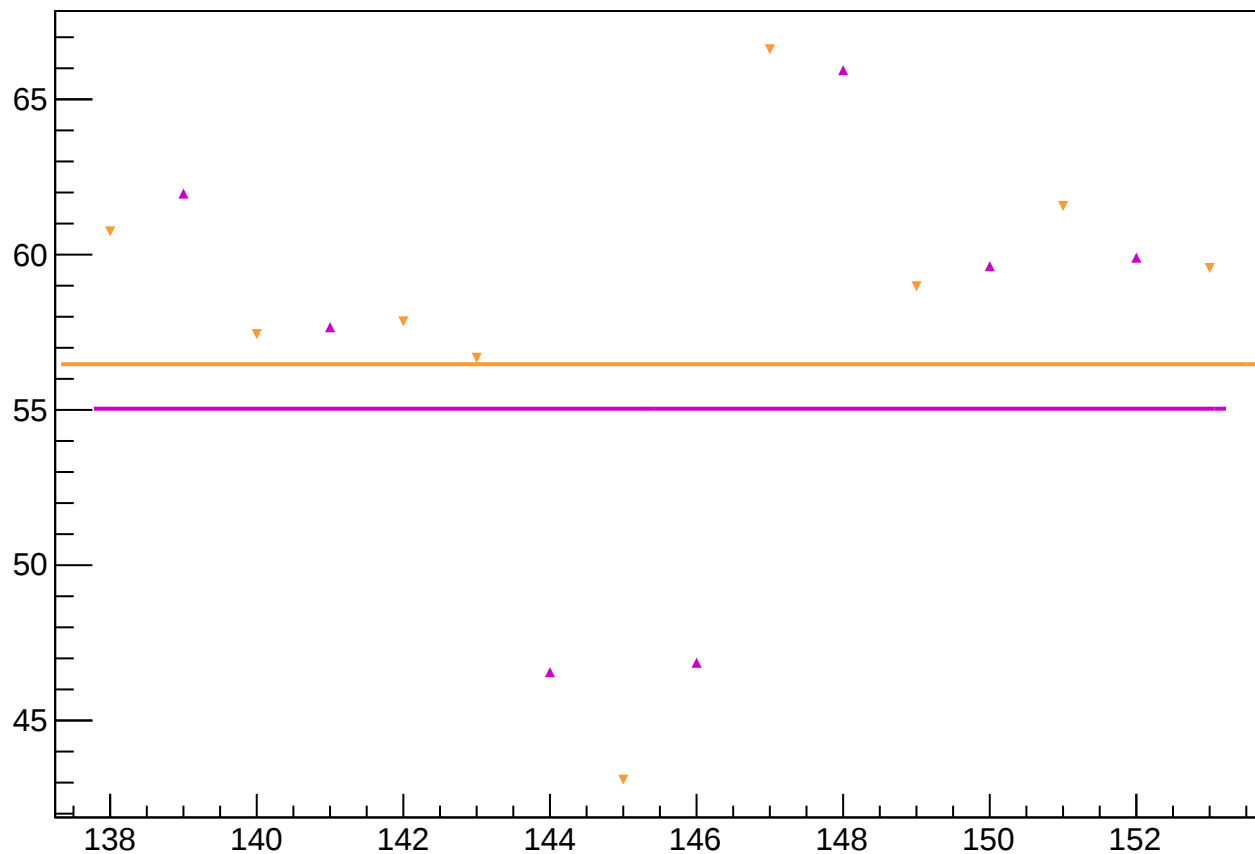
-37.188+/-22.247 χ^2/NDF : 17.0/8

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

Left In: 48.627+/-23.269 χ^2/NDF :2.1/6

48.627+/-23.269 χ^2/NDF : 2.1/6

reg_asym_sam_15_26_dd_rms vs Slug



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

Left Out: 56.471+/-0.016 χ^2/NDF : 207984.8/8

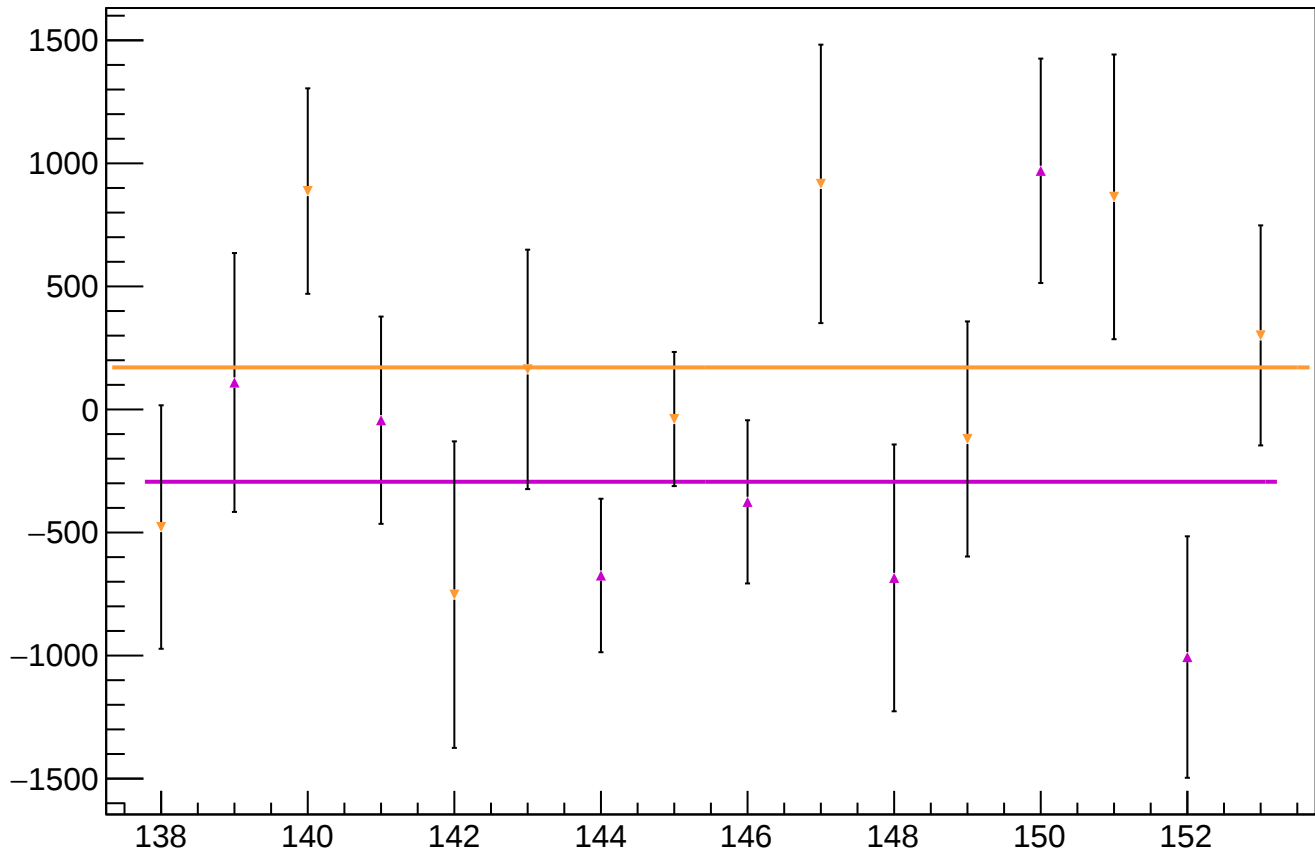
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 55.040+/-0.016 χ^2/NDF : 190525.0/6

56.471+/-0.016 χ^2/NDF : 207984.8/8

55.040+/-0.016 χ^2/NDF : 190525.0/6

asym_sam_15_26_dd_correction_mean vs Slug



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

Left Out: 170.906+/-148.095 χ^2/NDF : 11.1/8

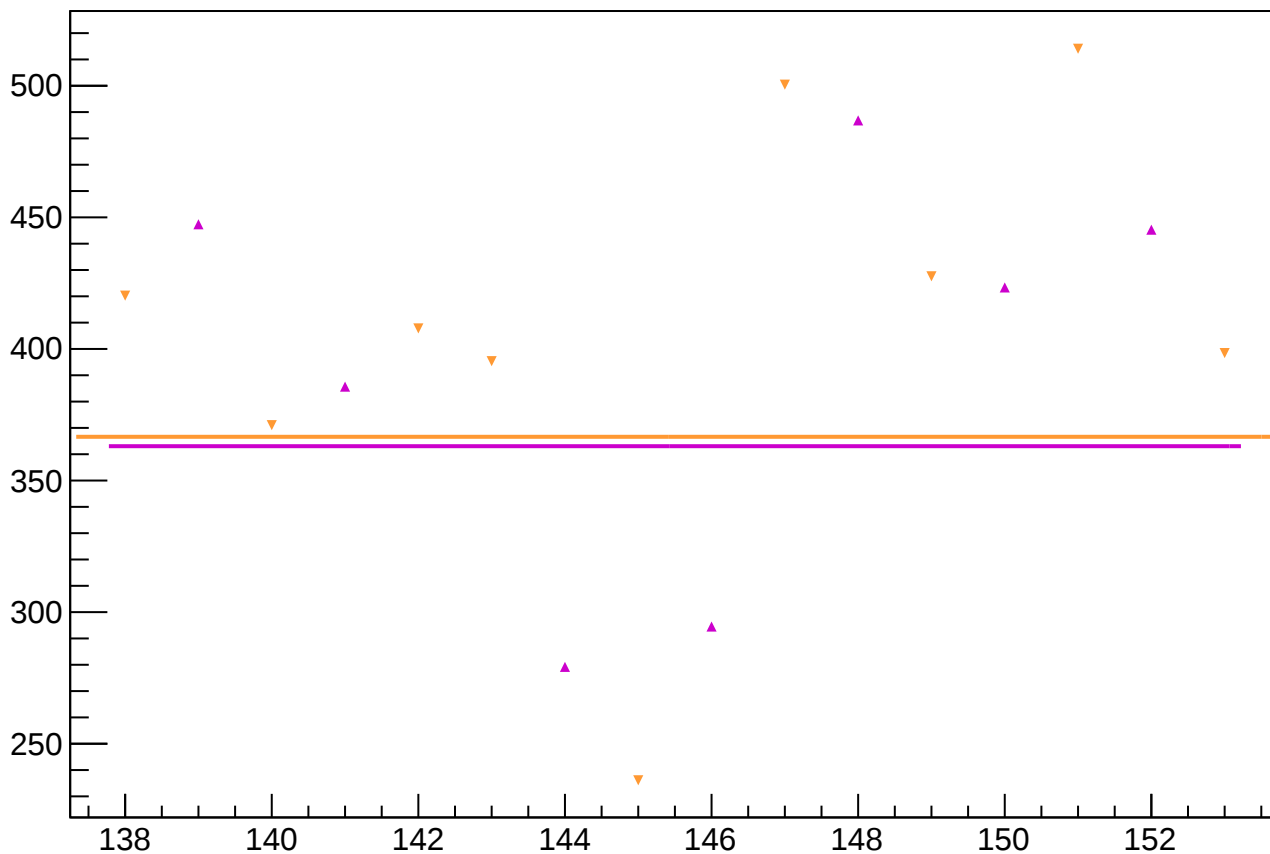
170.906+/-148.095 χ^2/NDF : 11.1/8

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

-293.784+/-156.160 χ^2/NDF : 12.8/6

Left In: -293.784+/-156.160 χ^2/NDF : 12.8/6

asym_sam_15_26_dd_correction_rms vs Slug



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

Left Out: 366.623+/-0.105 χ^2/NDF : 782769.4/8

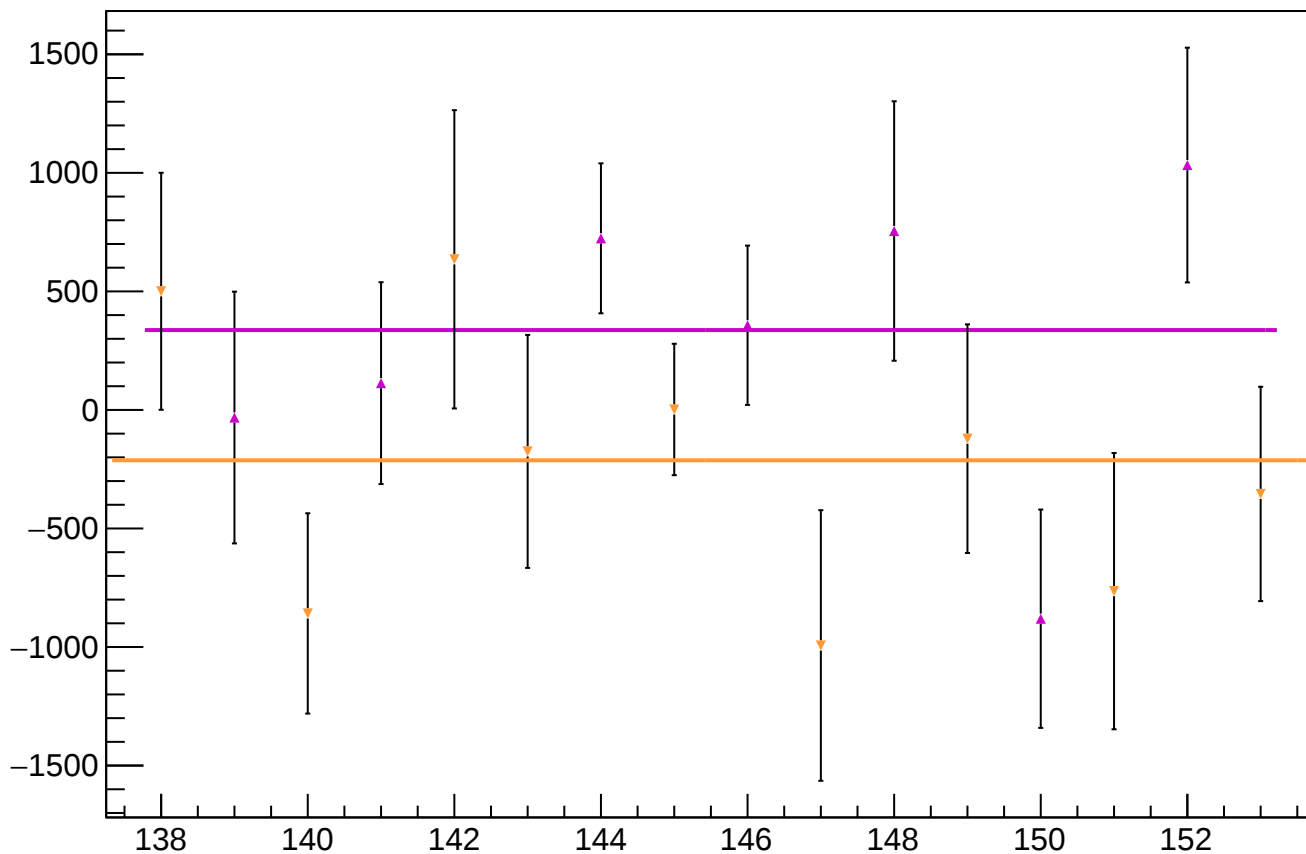
366.623+/-0.105 χ^2/NDF : 782769.4/8

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

363.051+/-0.110 χ^2/NDF : 482788.4/6

Left In: 363.051+/-0.110 χ^2/NDF : 482788.4/6

asym_sam_15_26_dd_mean vs Slug



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

Left Out: -212.503 $\pm$ 149.898 χ^2 /NDF: 9.7/8

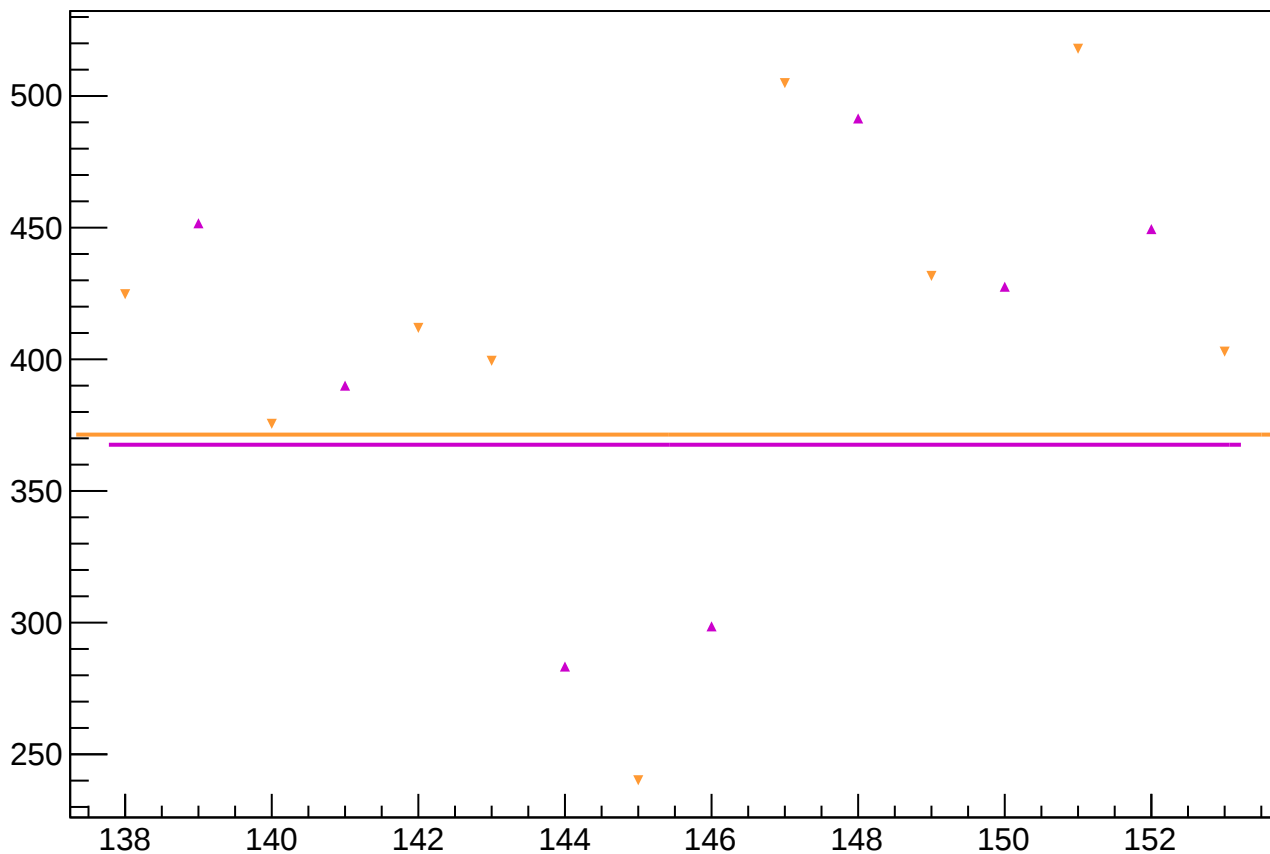
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 336.794 $\pm$ 158.004 χ^2 /NDF: 11.8/6

-212.503 $\pm$ 149.898 χ^2 /NDF: 9.7/8

336.794 $\pm$ 158.004 χ^2 /NDF: 11.8/6

asym_sam_15_26_dd_rms vs Slug



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

Left Out: 371.409+/-0.106 χ^2/NDF : 763397.7/8

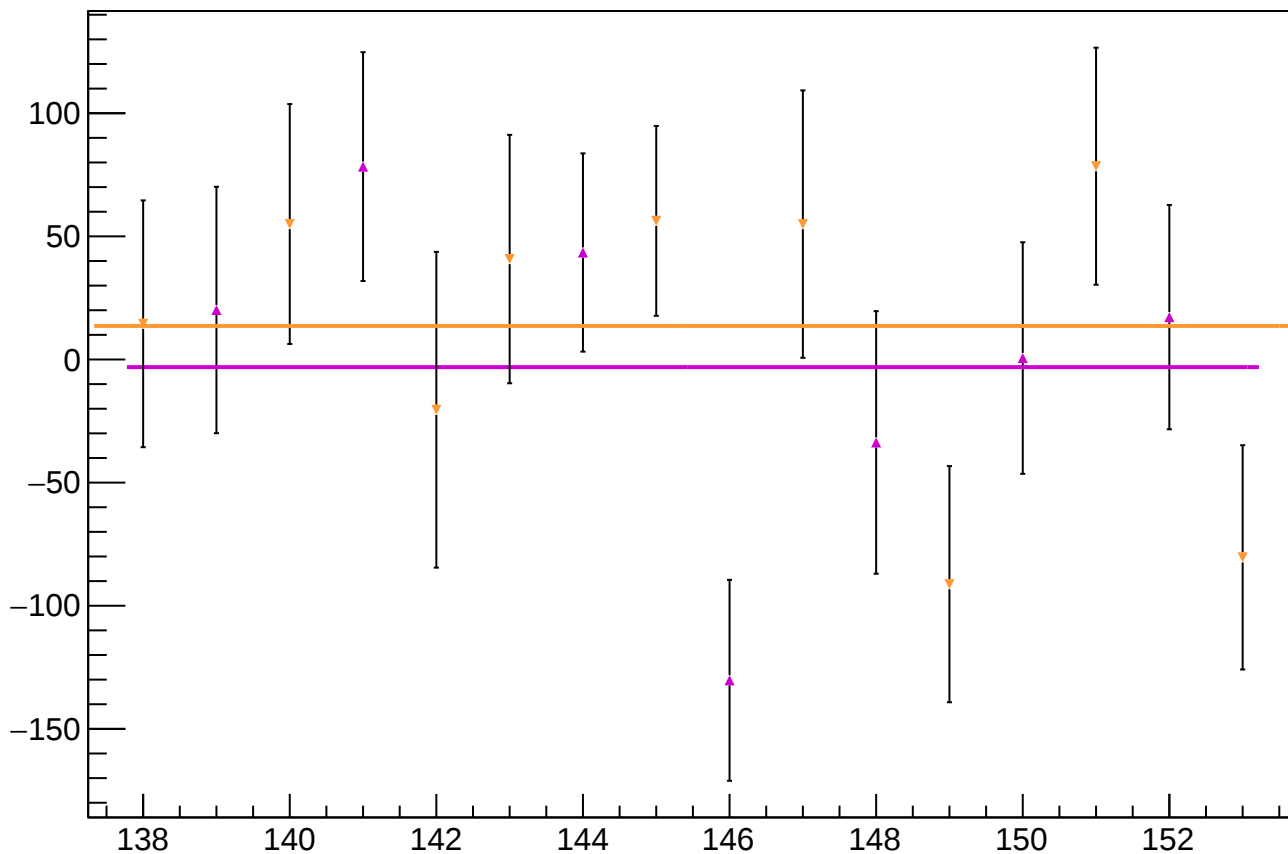
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 367.560+/-0.112 χ^2/NDF : 473171.9/6

371.409+/-0.106 χ^2/NDF : 763397.7/8

367.560+/-0.112 χ^2/NDF : 473171.9/6

reg_asym_sam_37_26_dd_mean vs Slug



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

Left Out: 13.618+/-16.185 χ^2/NDF : 14.0/8

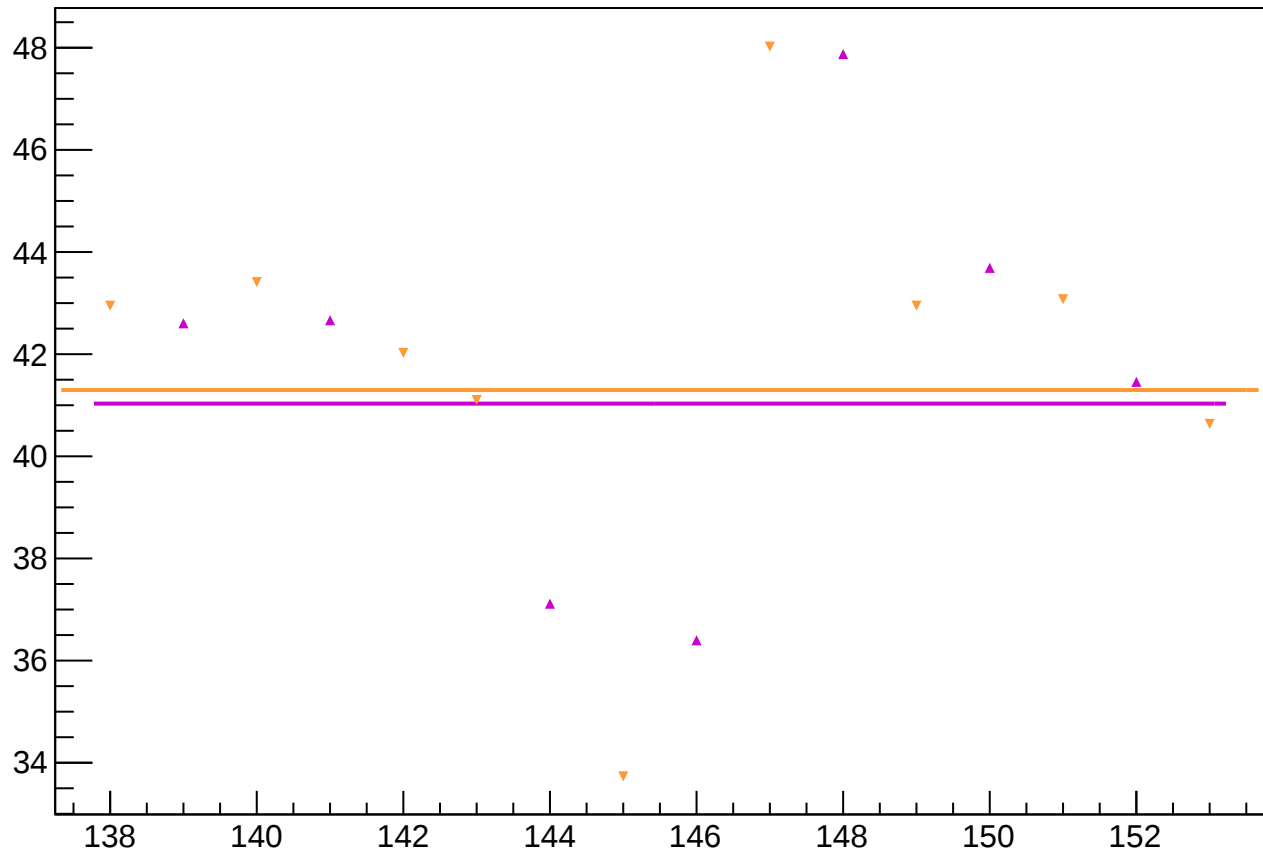
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -3.098+/-17.234 χ^2/NDF : 14.9/6

13.618+/-16.185 χ^2/NDF : 14.0/8

-3.098+/-17.234 χ^2/NDF : 14.9/6

reg_asym_sam_37_26_dd_rms vs Slug



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

Left Out: 41.298+/-0.011 χ^2/NDF :119483.9/8

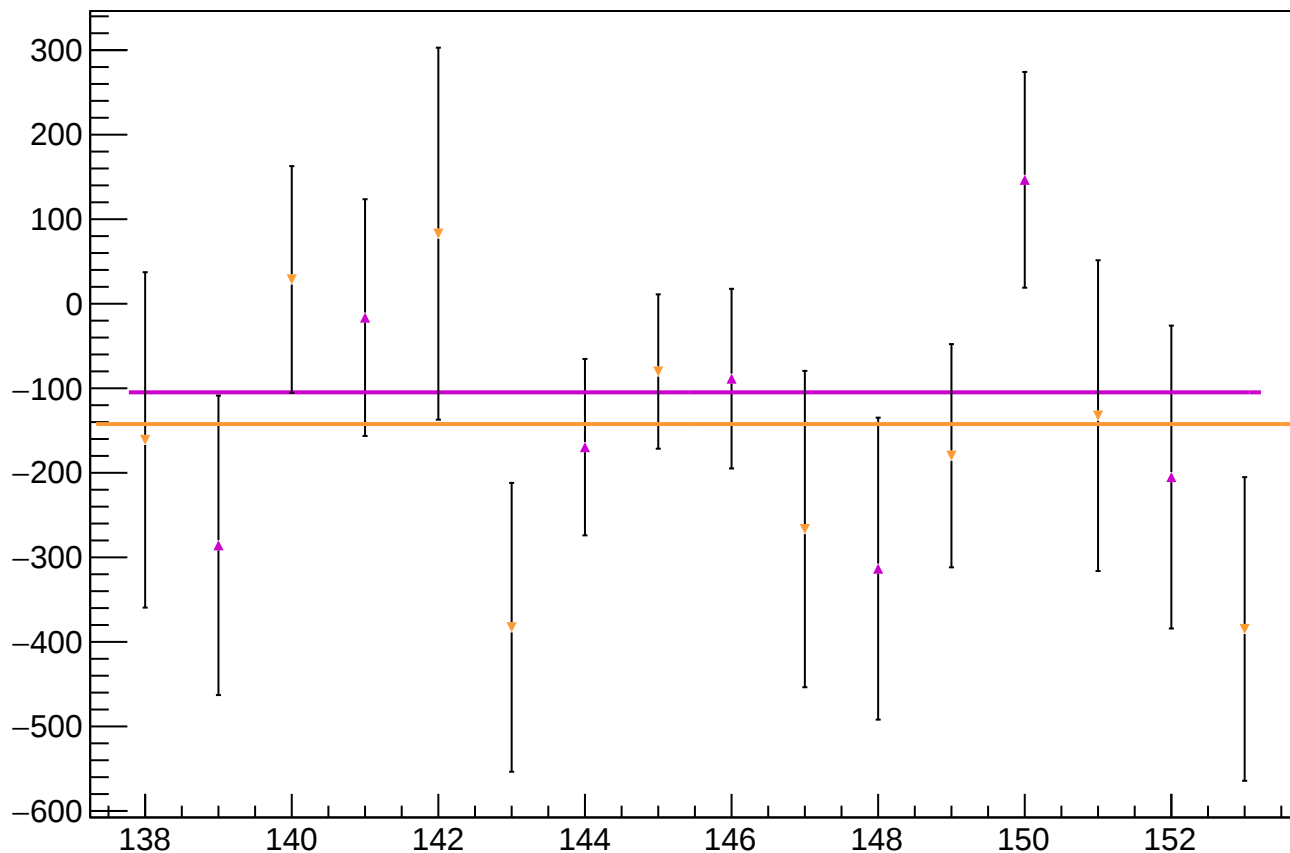
41.298+/-0.011 χ^2/NDF : 119483.9/8

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

41.032+/-0.012 χ^2/NDF : 88729.2/6

Left In: 41.032+/-0.012 χ^2/NDF :88729.2/6

asym_sam_37_26_dd_correction_mean vs Slug



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

Left Out: -142.335+/-49.849 χ^2/NDF : 7.5/8

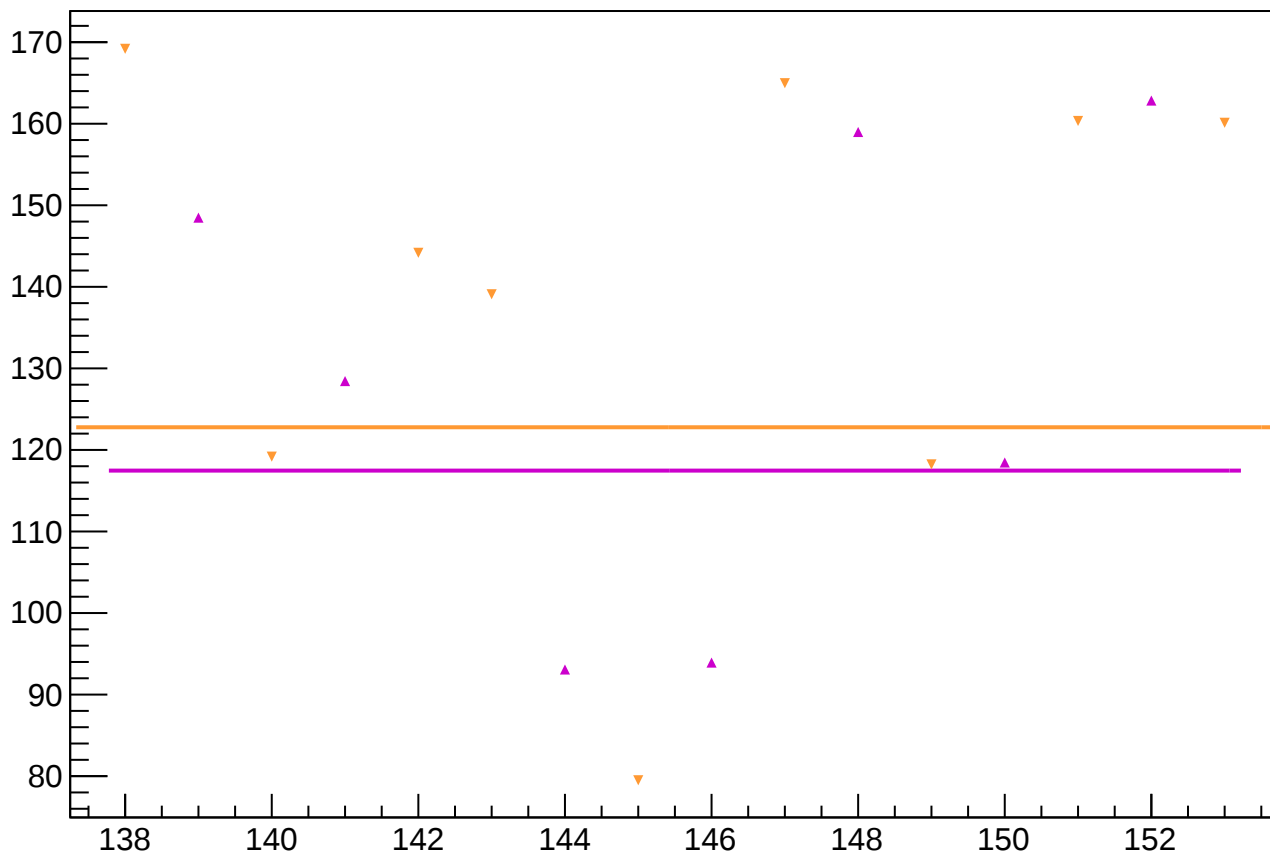
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -104.797+/-50.818 χ^2/NDF : 7.4/6

-142.335+/-49.849 χ^2/NDF : 7.5/8

-104.797+/-50.818 χ^2/NDF : 7.4/6

asym_sam_37_26_dd_correction_rms vs Slug



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

Left Out: 122.779+/-0.035 χ^2/NDF : 871590.4/8

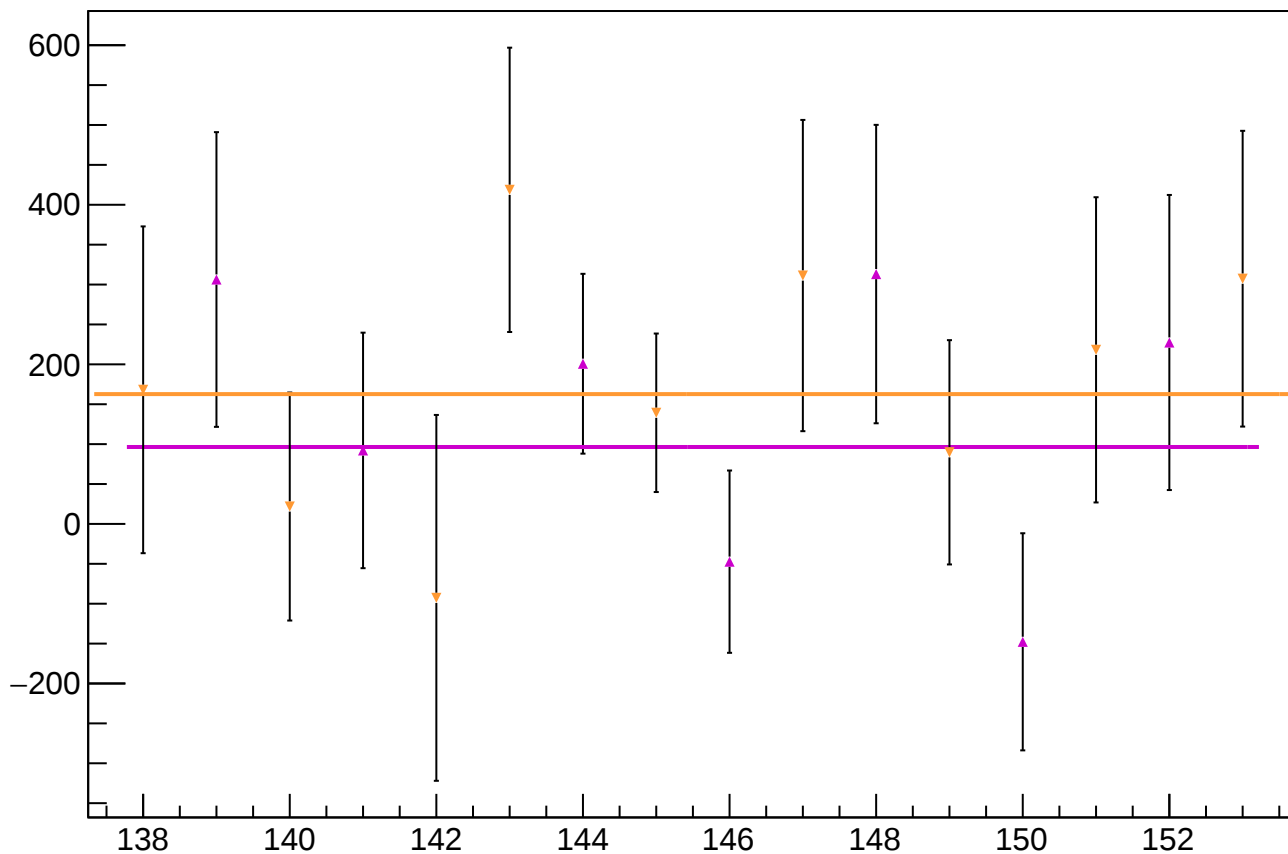
122.779+/-0.035 χ^2/NDF : 871590.4/8

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

117.466+/-0.036 χ^2/NDF : 517605.4/6

Left In: 117.466+/-0.036 χ^2/NDF : 517605.4/6

asym_sam_37_26_dd_mean vs Slug



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

Left Out: 162.704+/-52.848 χ^2/NDF : 5.9/8

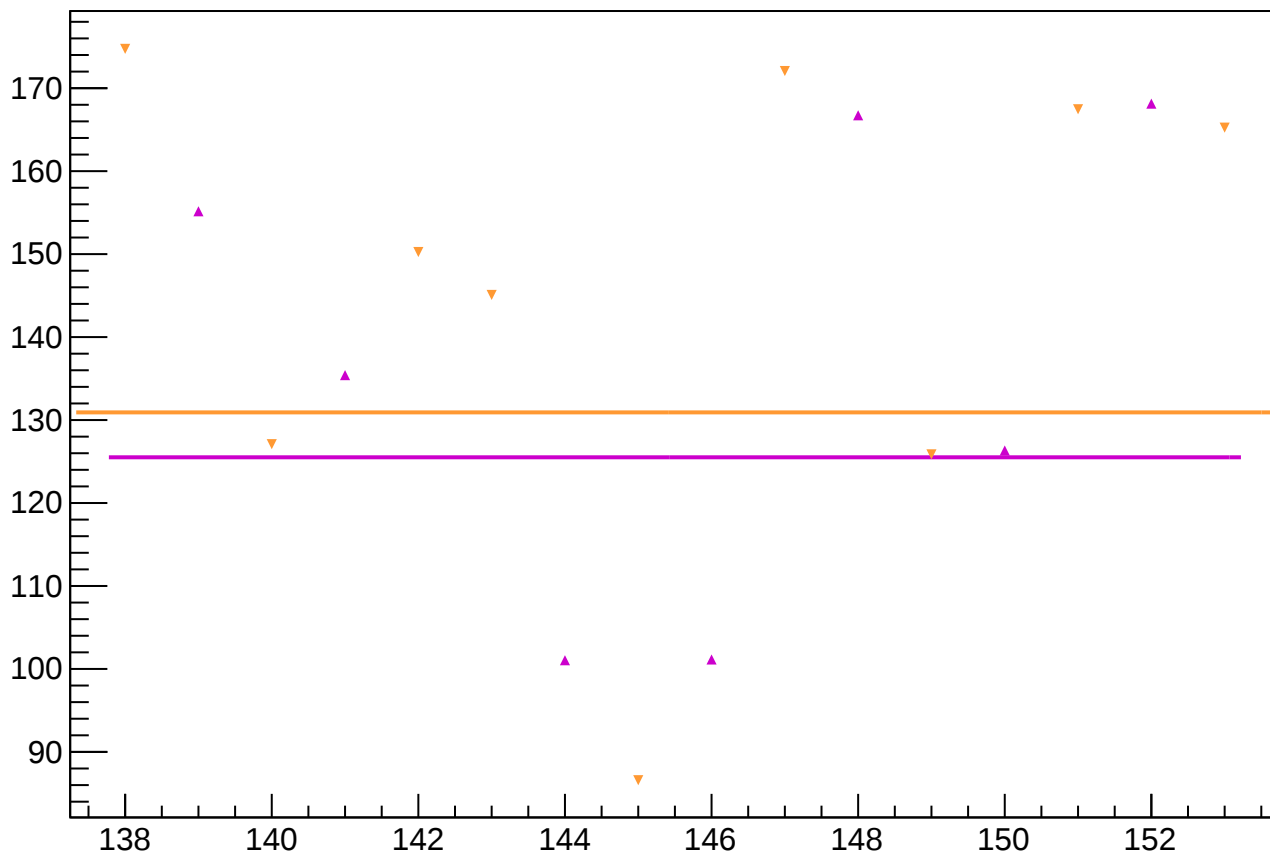
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 96.417+/-54.038 χ^2/NDF : 8.8/6

162.704+/-52.848 χ^2/NDF : 5.9/8

96.417+/-54.038 χ^2/NDF : 8.8/6

asym_sam_37_26_dd_rms vs Slug



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

Left Out: 130.924+/-0.037 χ^2/NDF : 751467.2/8

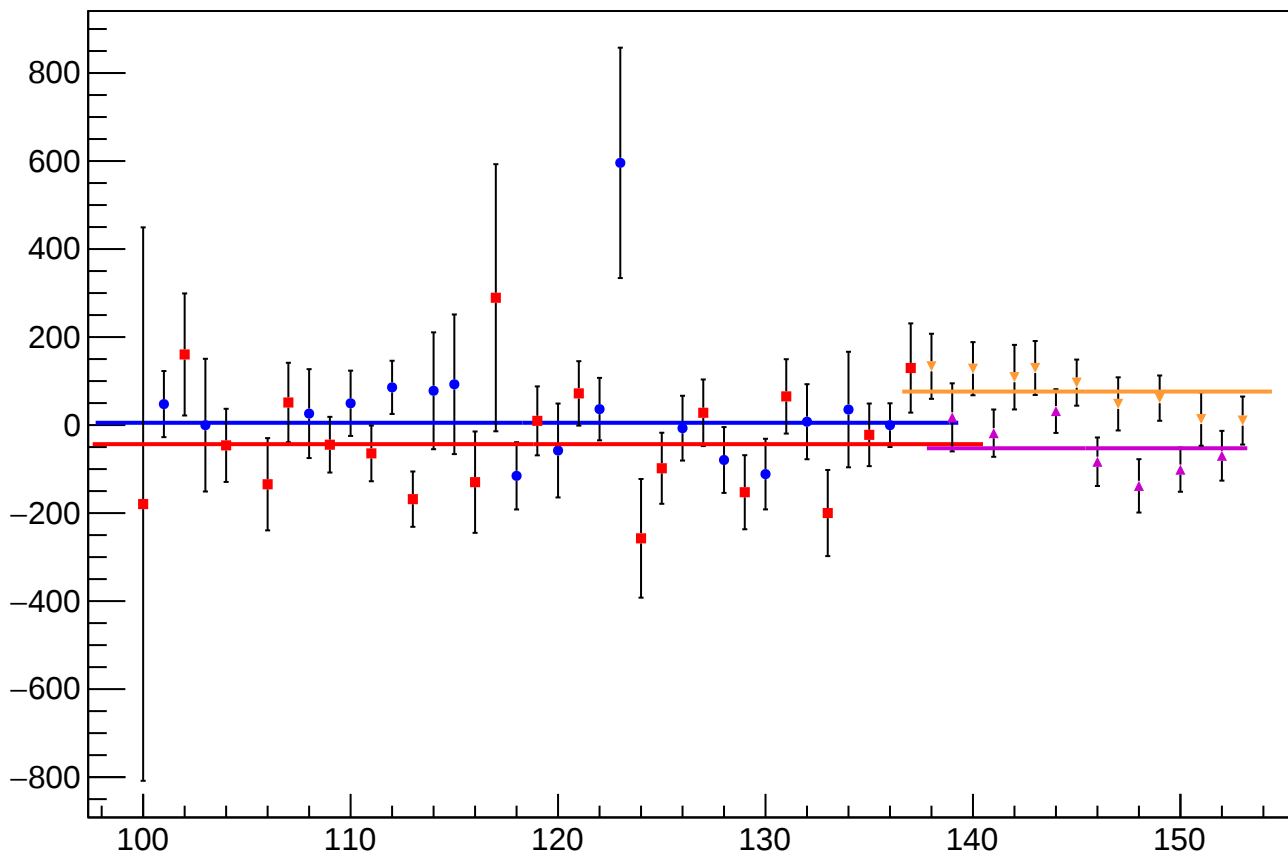
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 125.511+/-0.038 χ^2/NDF : 449342.2/6

130.924+/-0.037 χ^2/NDF : 751467.2/8

125.511+/-0.038 χ^2/NDF : 449342.2/6

reg_asym_sam_1357_avg_mean vs Slug



Right In: 5.220+/-20.150 χ^2/NDF : 14.7/16

Left Out: 76.169+/-19.871 χ^2/NDF : 5.3/8

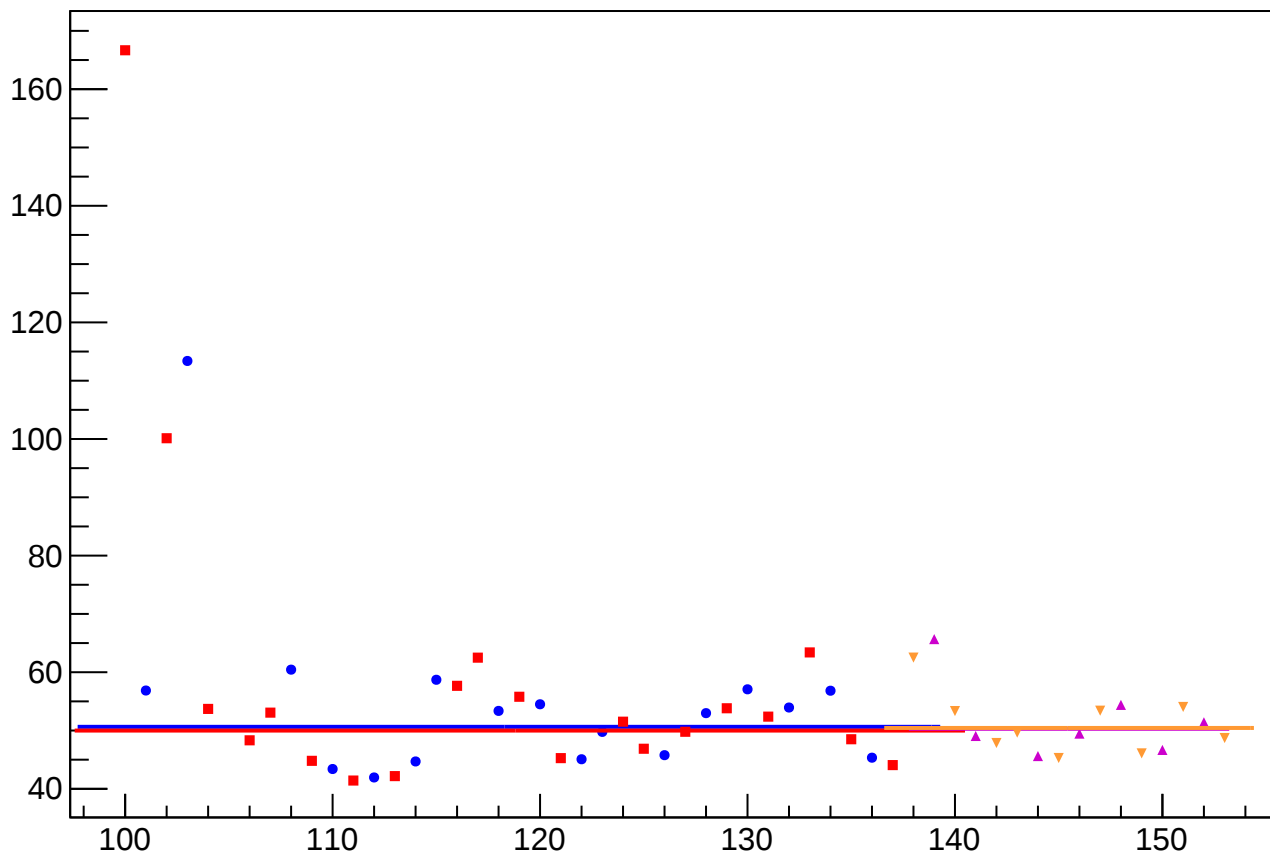
Right Out: -43.354+/-19.371 χ^2/NDF : 25.6/19

Left In: -52.693+/-21.180 χ^2/NDF : 7.5/6

41.189+/-14.149 χ^2/NDF : 26.3/25

-47.607+/-14.294 χ^2/NDF : 33.1/26

reg_asym_sam_1357_avg_rms vs Slug



Right In: 50.635+/-0.014 χ^2/NDF : 519687.1/16

Left Out: 50.442+/-0.014 χ^2/NDF : 108216.8/8

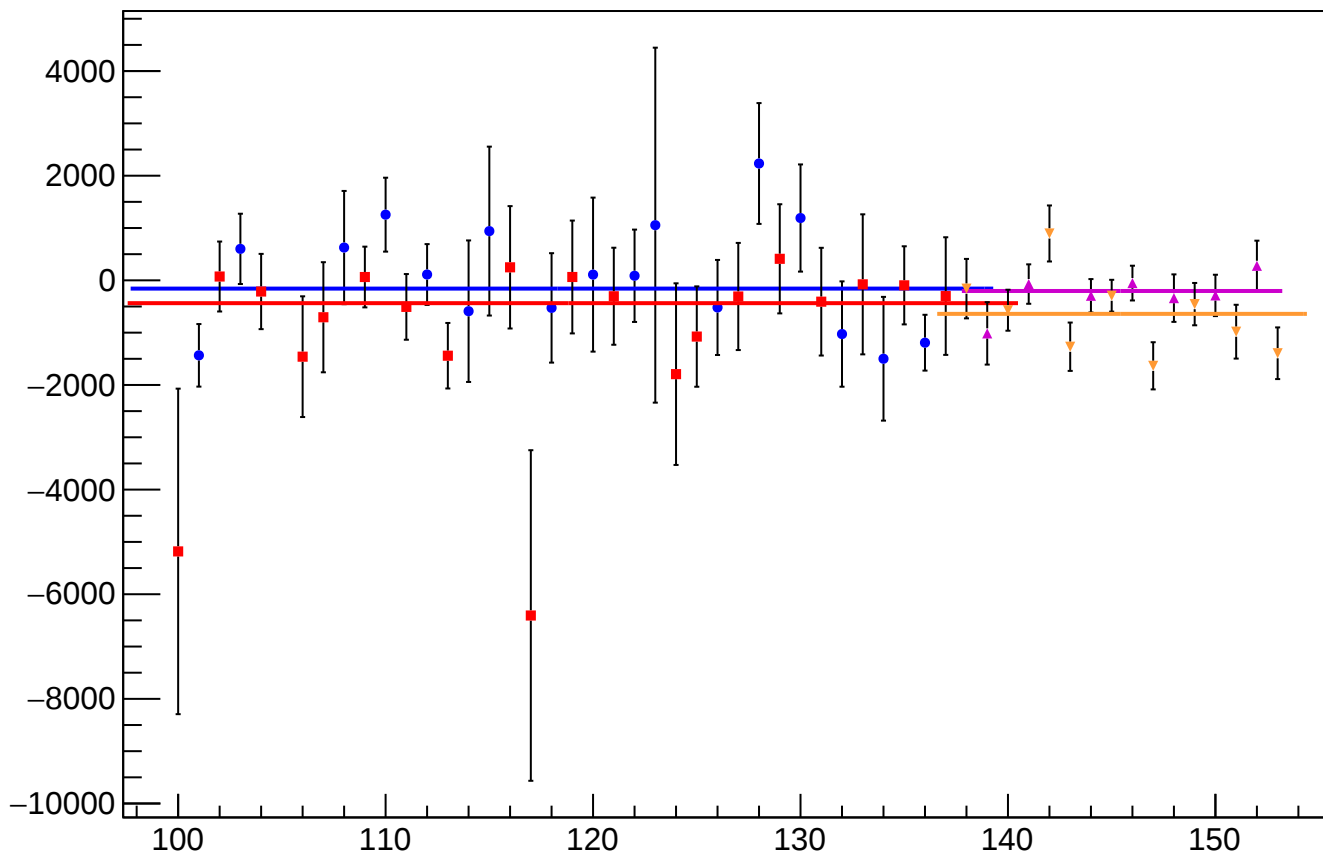
Right Out: 49.994+/-0.014 χ^2/NDF : 503898.1/19

Left In: 50.301+/-0.015 χ^2/NDF : 118726.7/6

50.537+/-0.010 χ^2/NDF : 627996.8/25

50.134+/-0.010 χ^2/NDF : 622853.3/26

asym_sam_1357_avg_correction_mean vs Slug



Right In: -158.001 $\pm$ 210.181 χ^2 /NDF: 23.5/16

Left Out: -640.984 $\pm$ 145.057 χ^2 /NDF:20.0/8

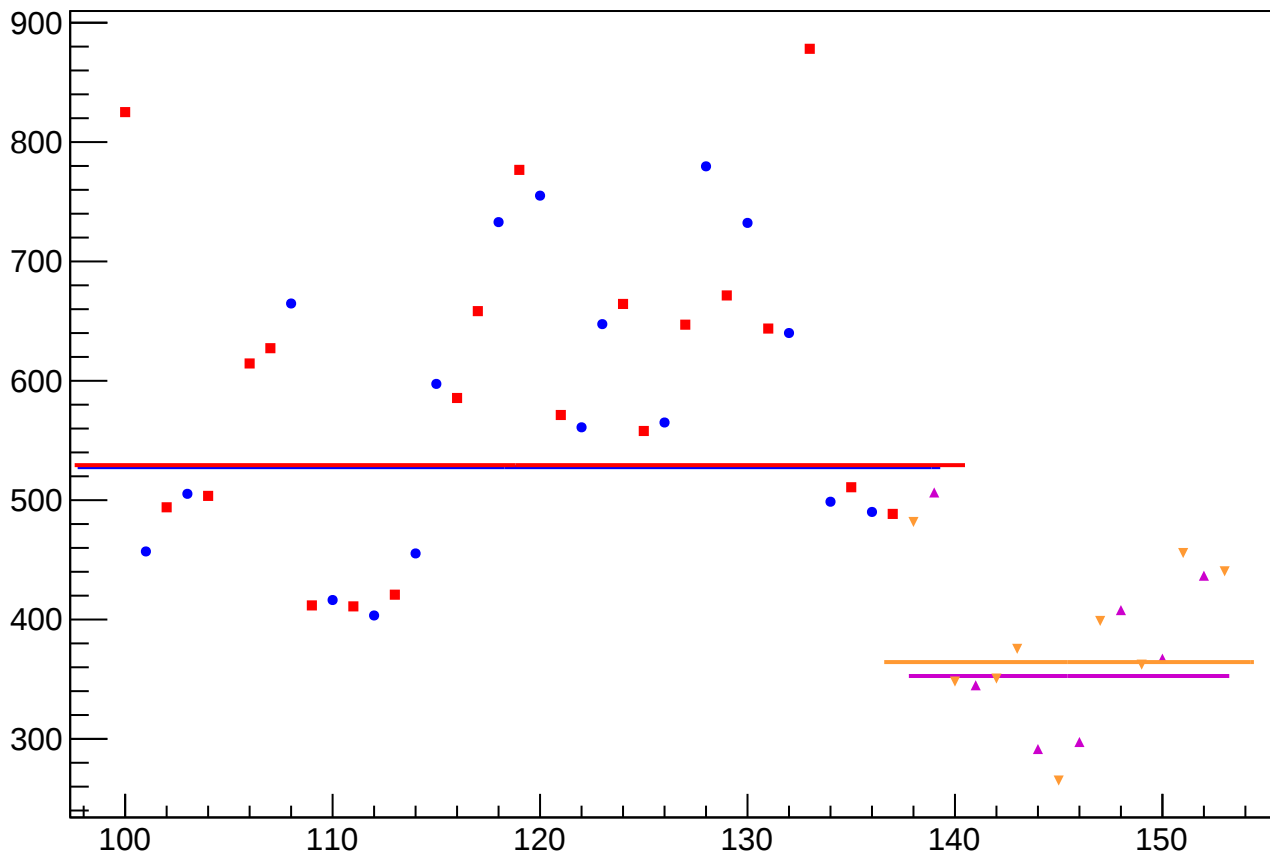
Right Out: -436.410 $\pm$ 203.212 χ^2 /NDF: 13.4/19

Left In: -203.588 $\pm$ 150.204 χ^2 /NDF:3.4/6

-485.156 $\pm$ 119.385 χ^2 /NDF: 47.0/25

-285.847 $\pm$ 120.789 χ^2 /NDF: 17.6/26

asym_sam_1357_avg_correction_rms vs Slug



Right In: 527.663 $\pm$ 0.149 χ^2 /NDF: 557423.6/16

Left Out: 364.358 $\pm$ 0.103 χ^2 /NDF: 426868.3/8

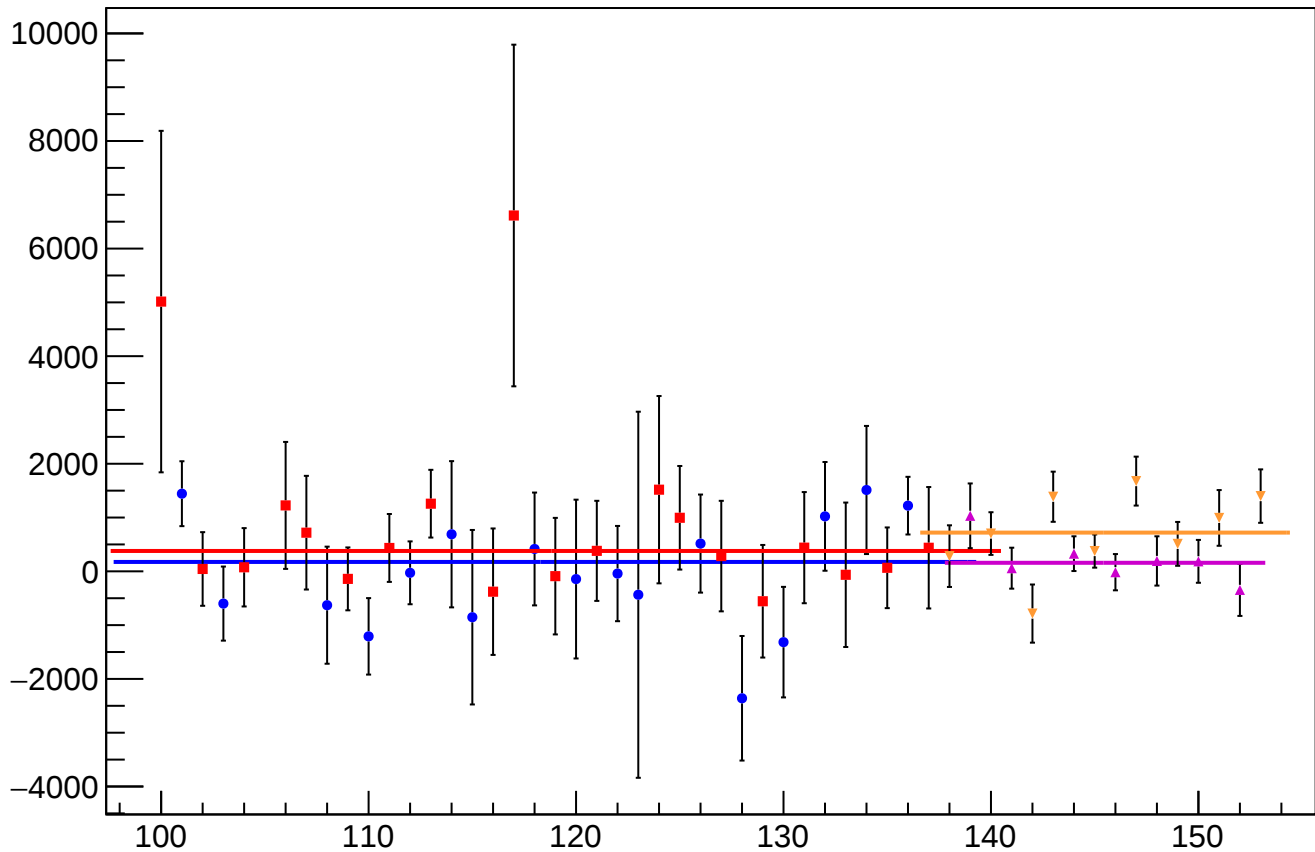
Right Out: 529.342 $\pm$ 0.144 χ^2 /NDF: 626714.3/19

Left In: 352.692 $\pm$ 0.106 χ^2 /NDF: 356204.8/6

417.047 $\pm$ 0.084 χ^2 /NDF: 1802120.8/25

415.104 $\pm$ 0.085 χ^2 /NDF: 1960286.7/26

asym_sam_1357_avg_mean vs Slug



Right In: 174.605 ± 211.662 χ^2/NDF : 23.7/16

Left Out: 720.086 ± 146.559 χ^2/NDF : 18.5/8

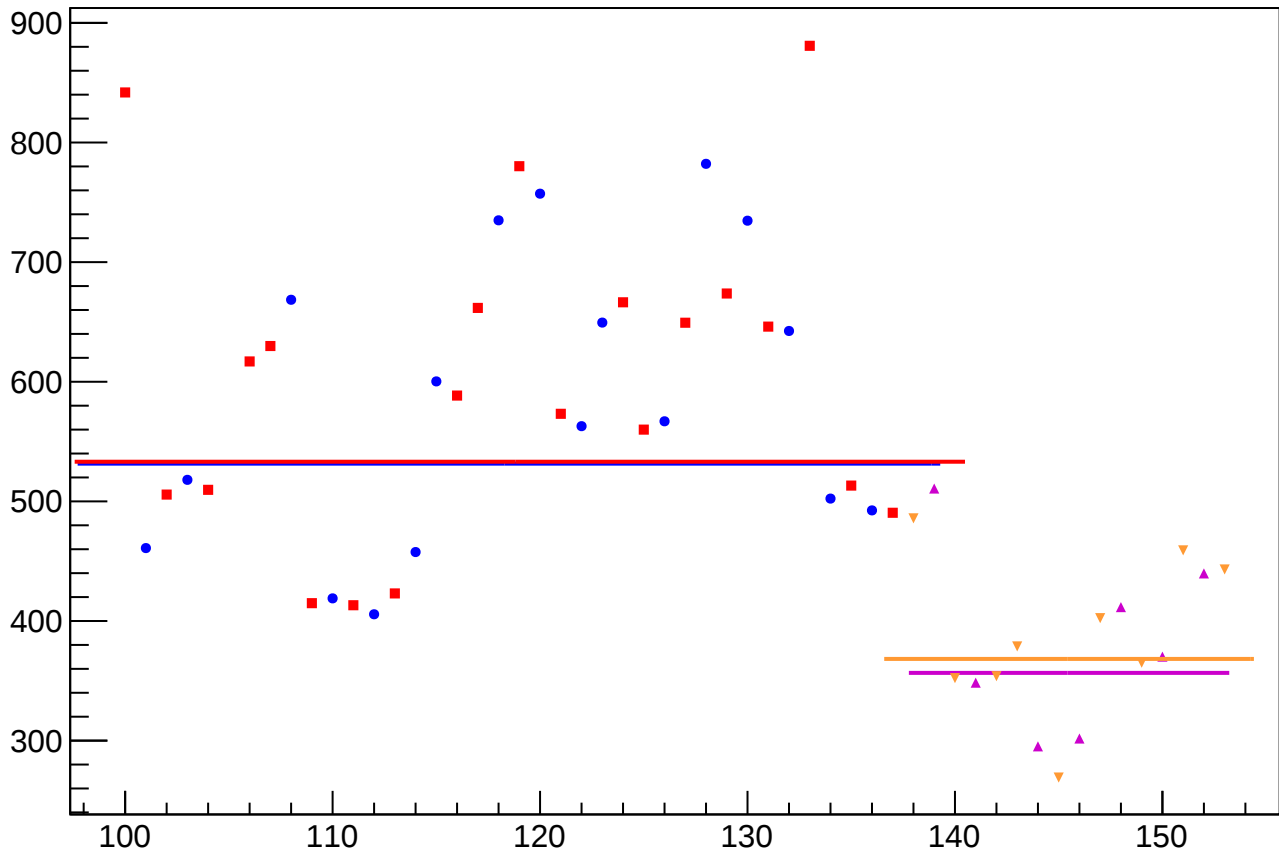
Right Out: 378.609 ± 204.777 χ^2/NDF : 12.3/19

Left In: 158.613 ± 151.813 χ^2/NDF : 3.8/6

543.312 ± 120.493 χ^2/NDF : 46.6/25

236.641 ± 121.955 χ^2/NDF : 16.9/26

asym_sam_1357_avg_rms vs Slug



Right In: 531.554+/-0.150 χ^2/NDF : 550087.6/16

Left Out: 368.305+/-0.104 χ^2/NDF : 414400.1/8

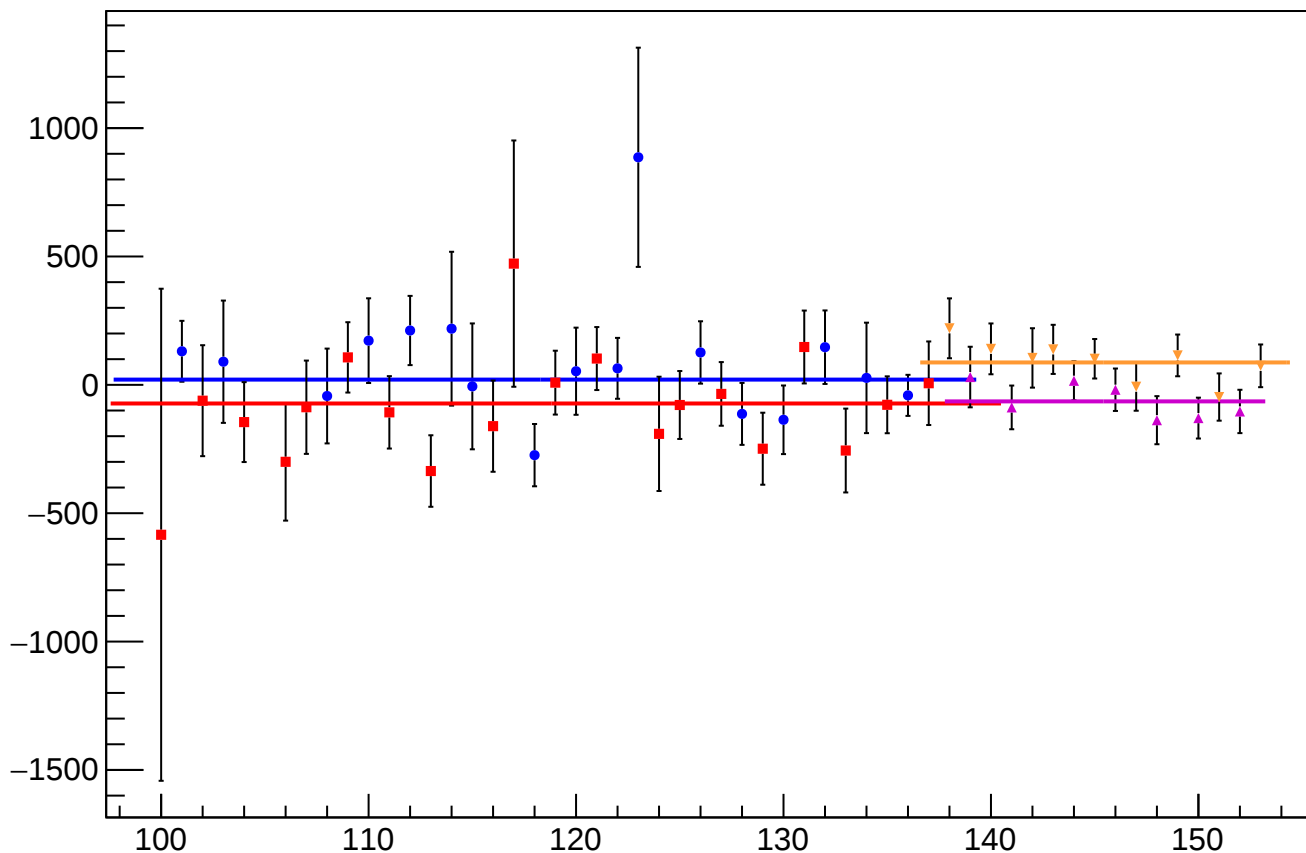
421.209+/-0.085 χ^2/NDF : 1768653.8/25

Right Out: 533.157+/-0.145 χ^2/NDF : 619038.4/19

419.242+/-0.086 χ^2/NDF : 1925887.6/26

Left In: 356.632+/-0.107 χ^2/NDF : 347756.8/6

reg_asym_sam_2468_avg_mean vs Slug



Right In: 20.441 ± 34.583 χ^2/NDF : 19.3/16

Left Out: 87.258 ± 30.761 χ^2/NDF : 5.2/8

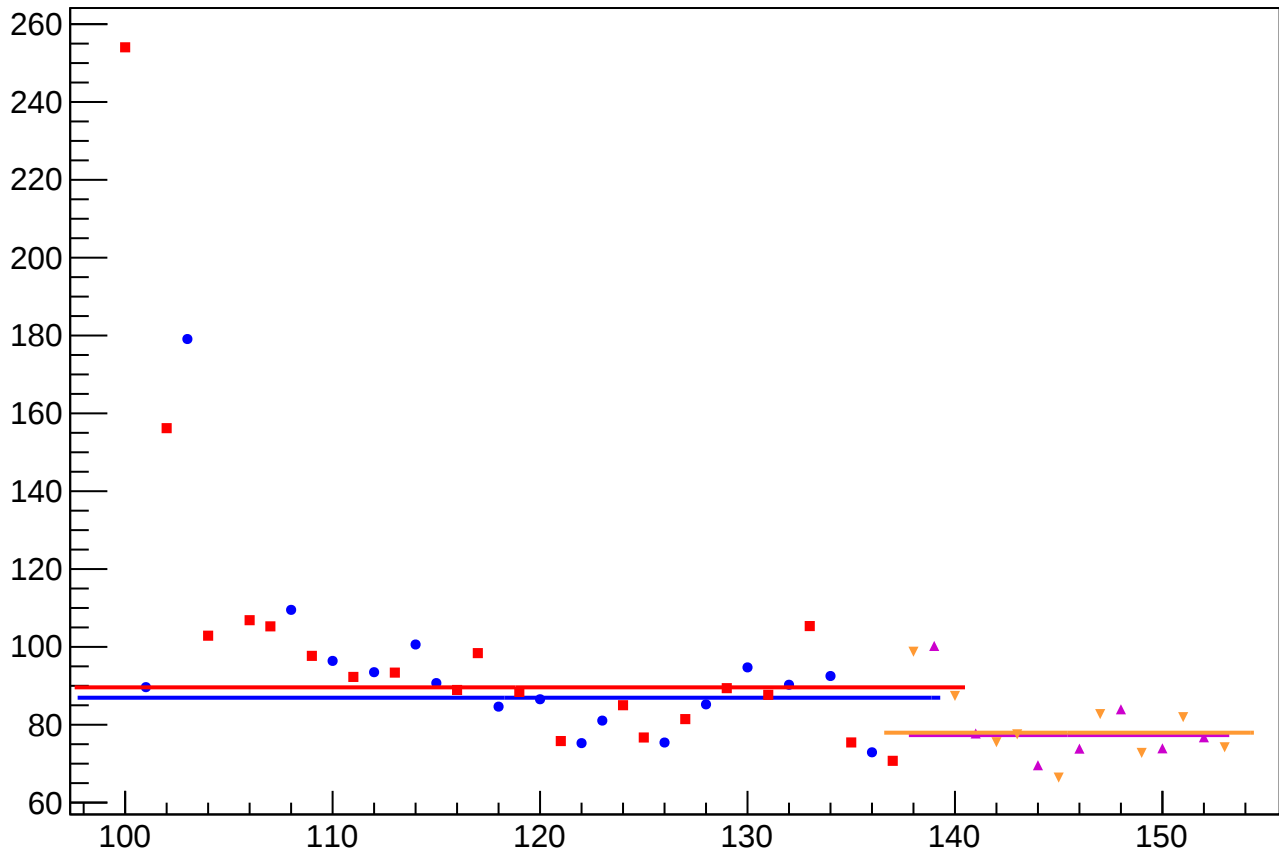
Right Out: -72.603 ± 34.608 χ^2/NDF : 16.7/19

Left In: -64.429 ± 32.591 χ^2/NDF : 3.6/6

57.744 ± 22.984 χ^2/NDF : 26.6/25

-68.271 ± 23.726 χ^2/NDF : 20.4/26

reg_asym_sam_2468_avg_rms vs Slug



Right In: 86.943+/-0.024 χ^2/NDF : 455809.4/16

Left Out: 77.959+/-0.022 χ^2/NDF :148921.1/8

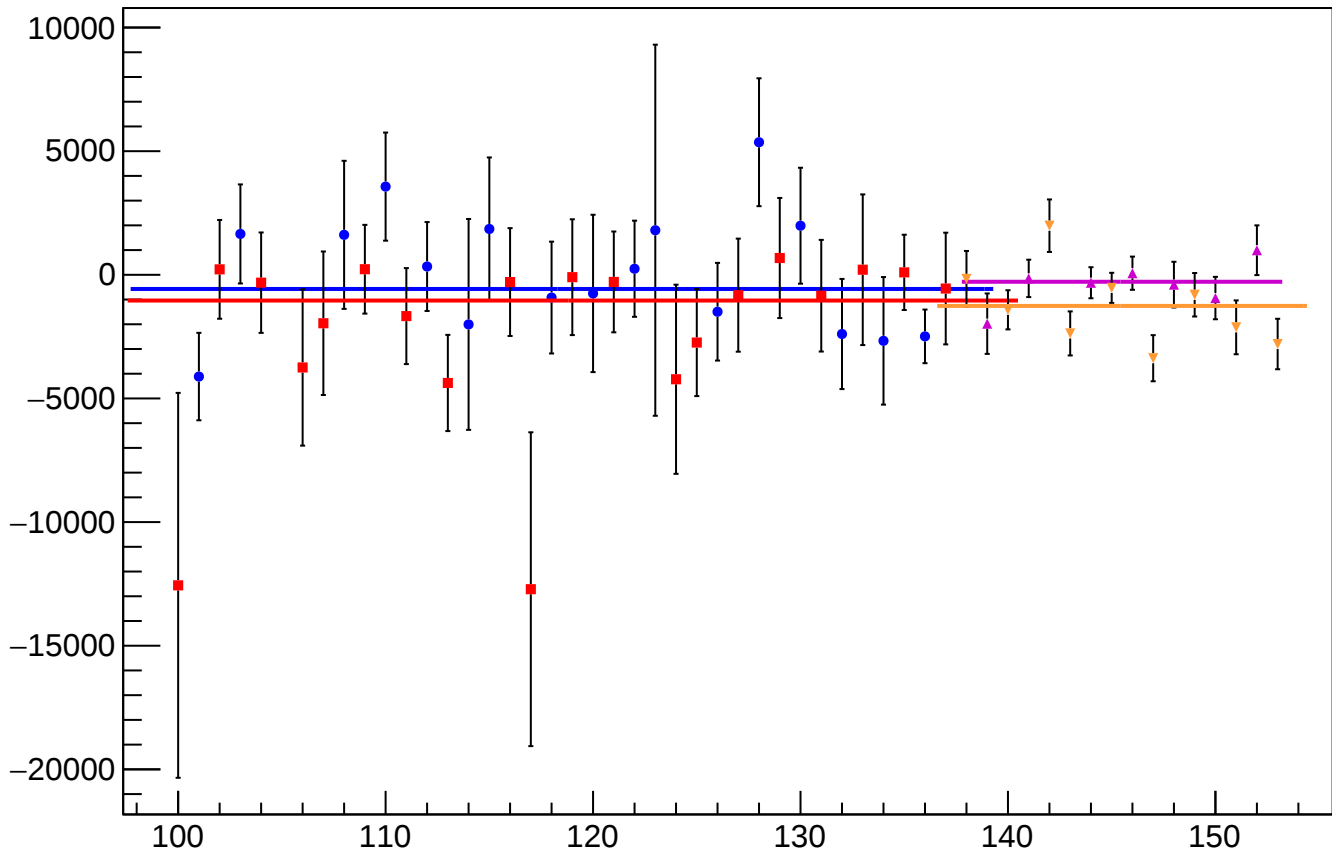
Right Out: 89.607+/-0.024 χ^2/NDF : 431905.8/19

Left In: 77.336+/-0.023 χ^2/NDF :113495.7/6

81.927+/-0.016 χ^2/NDF : 680071.4/25

83.104+/-0.017 χ^2/NDF : 678656.6/26

asym_sam_2468_avg_correction_mean vs Slug



Right In: -572.342 ± 517.020 χ^2/NDF : 21.9/16

Left Out: -1258.112 ± 295.237 χ^2/NDF : 21.6/8

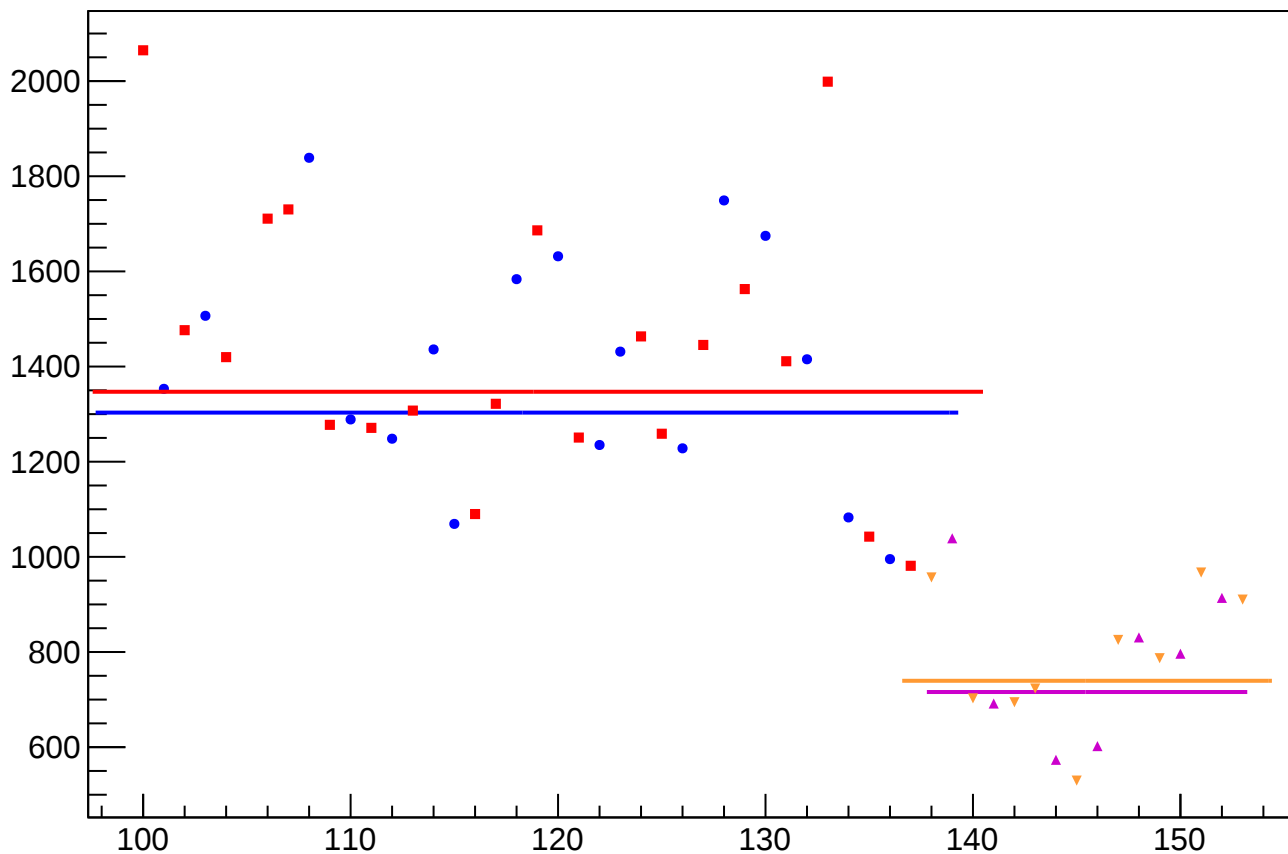
Right Out: -1040.618 ± 512.937 χ^2/NDF : 13.5/19

Left In: -281.073 ± 305.843 χ^2/NDF : 4.4/6

-1089.482 ± 256.381 χ^2/NDF : 44.8/25

-480.285 ± 262.691 χ^2/NDF : 19.5/26

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1303.201+/-0.366 χ^2/NDF : 451961.9/16

Left Out: 739.513+/-0.209 χ^2/NDF : 486285.5/8

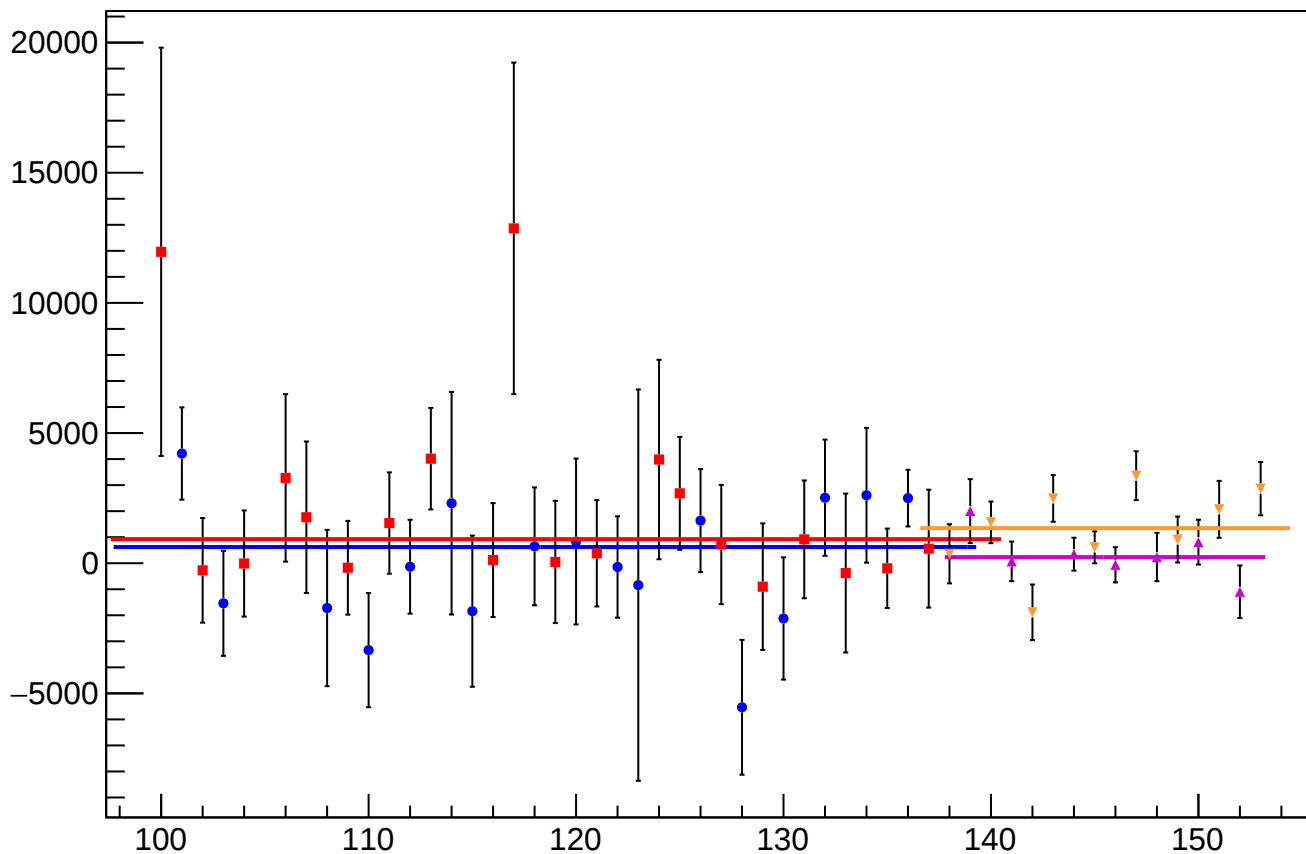
Right Out: 1347.011+/-0.363 χ^2/NDF : 420806.0/19

Left In: 715.917+/-0.216 χ^2/NDF : 428005.1/6

878.123+/-0.181 χ^2/NDF : 2731009.7/25

881.439+/-0.186 χ^2/NDF : 3082293.7/26

asym_sam_2468_avg_mean vs Slug



Right In: 622.411 ± 518.496 $\chi^2/\text{NDF}: 22.0/16$

Left Out: 1346.938 ± 297.035 $\chi^2/\text{NDF}: 20.6/8$

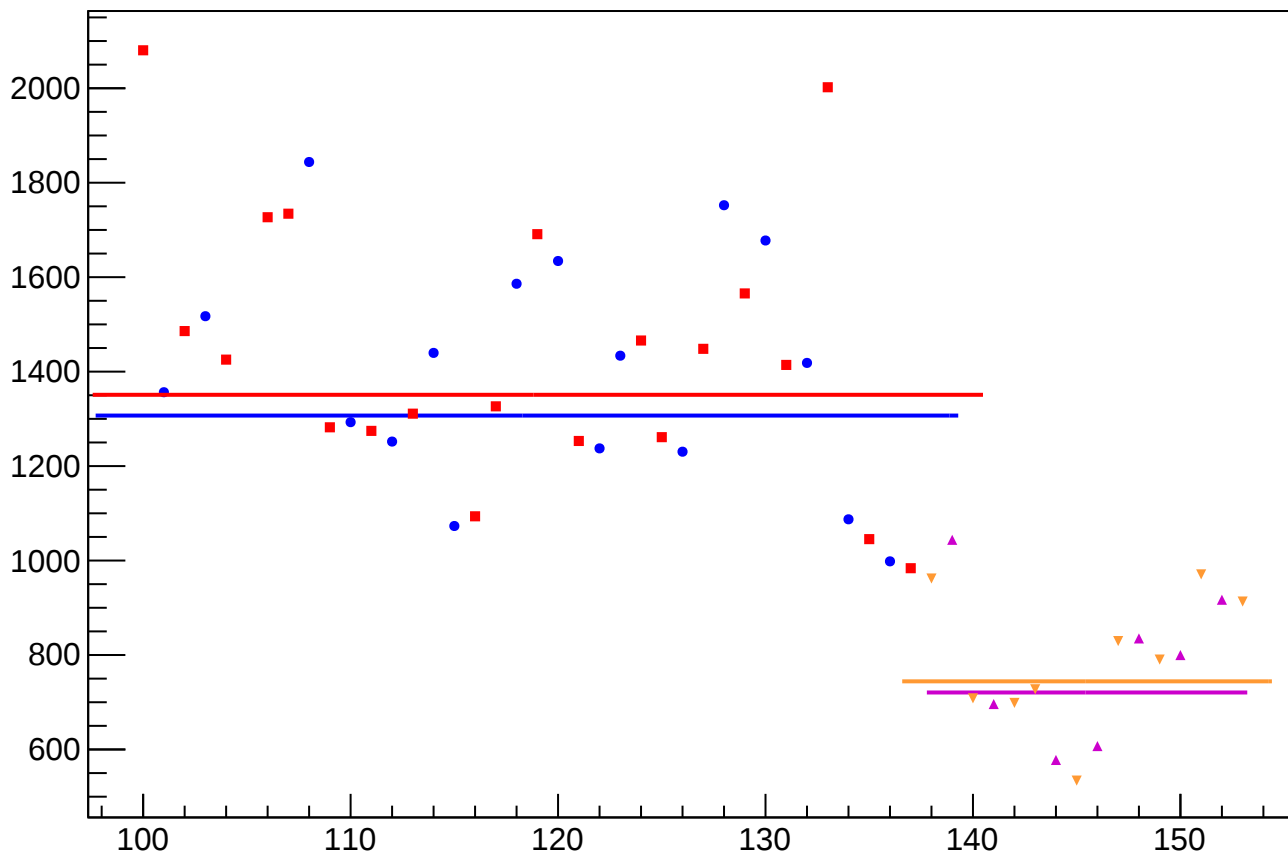
Right Out: 924.488 ± 514.636 $\chi^2/\text{NDF}: 12.6/19$

Left In: 234.216 ± 307.769 $\chi^2/\text{NDF}: 4.5/6$

1167.910 ± 257.738 $\chi^2/\text{NDF}: 44.0/25$

416.053 ± 264.138 $\chi^2/\text{NDF}: 18.5/26$

asym_sam_2468_avg_rms vs Slug



Right In: 1306.980 ± 0.367 $\chi^2/\text{NDF}: 451191.7/16$

Left Out: 744.239 ± 0.210 $\chi^2/\text{NDF}: 478797.0/8$

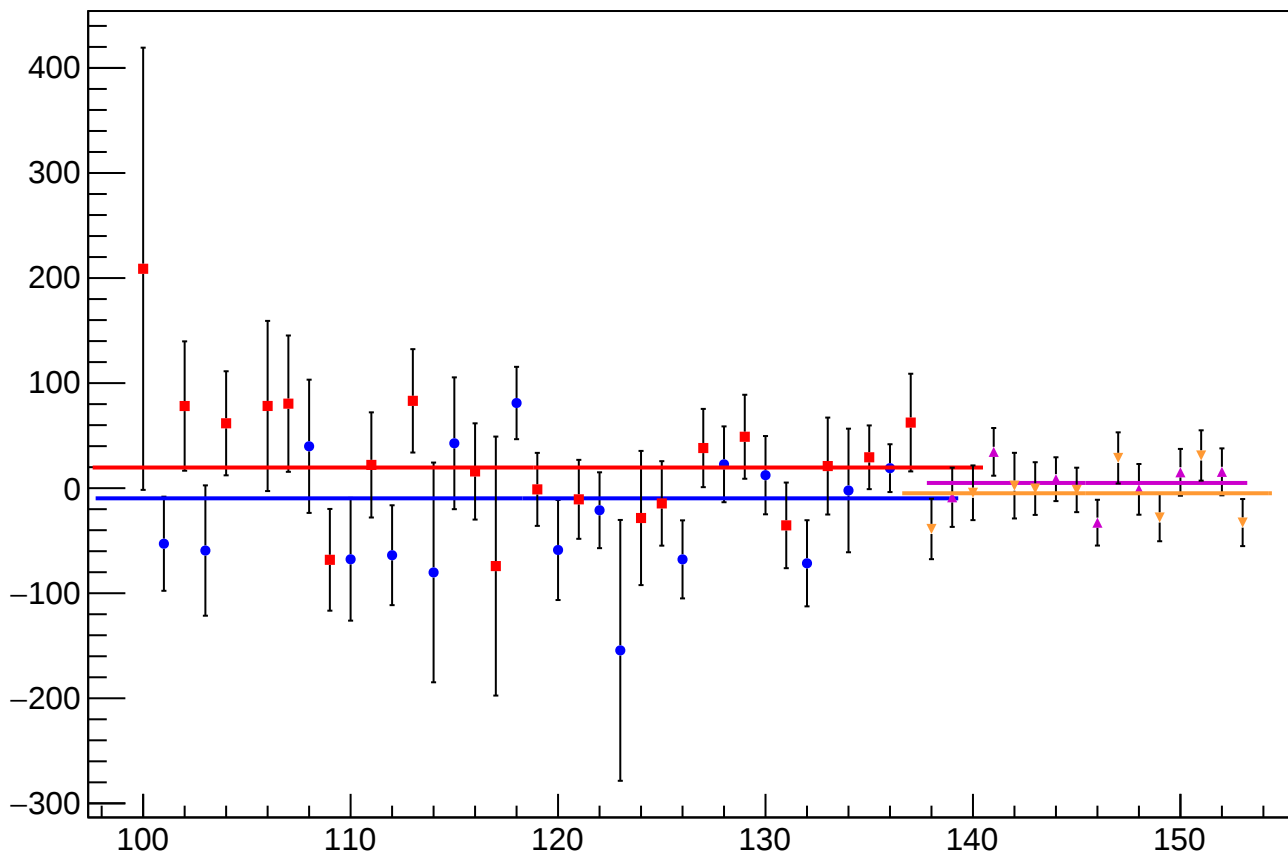
Right Out: 1350.936 ± 0.364 $\chi^2/\text{NDF}: 421834.2/19$

Left In: 720.644 ± 0.218 $\chi^2/\text{NDF}: 421848.9/6$

883.291 ± 0.182 $\chi^2/\text{NDF}: 2703754.2/25$

886.681 ± 0.187 $\chi^2/\text{NDF}: 3053356.5/26$

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -9.669 ± 10.408 χ^2/NDF : 22.6/16

Left Out: -4.838 ± 8.190 χ^2/NDF : 8.3/8

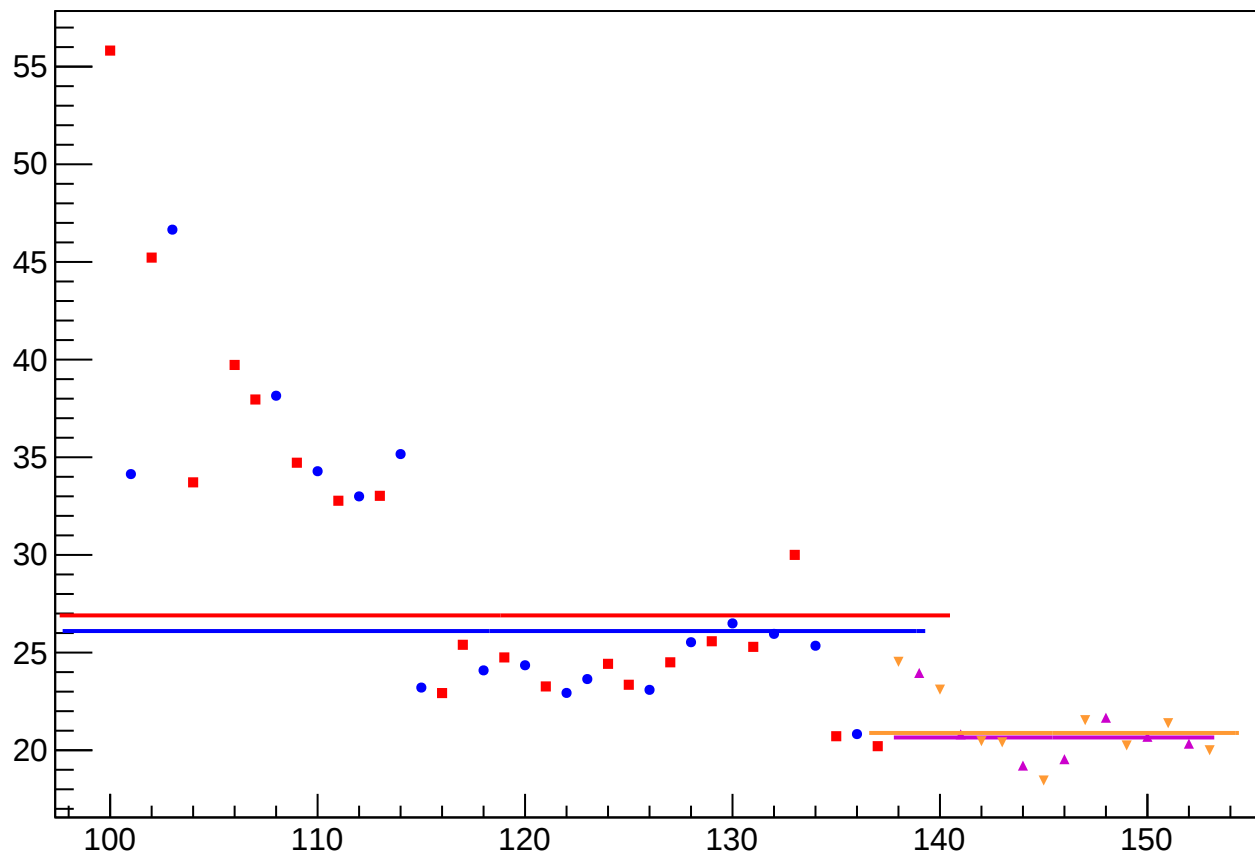
Right Out: 19.662 ± 10.406 χ^2/NDF : 15.2/19

Left In: 4.968 ± 8.658 χ^2/NDF : 5.5/6

-6.685 ± 6.436 χ^2/NDF : 31.0/25

10.978 ± 6.656 χ^2/NDF : 21.9/26

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.103 ± 0.007 χ^2/NDF : 604038.5/16

Left Out: 20.885 ± 0.006 χ^2/NDF : 81199.1/8

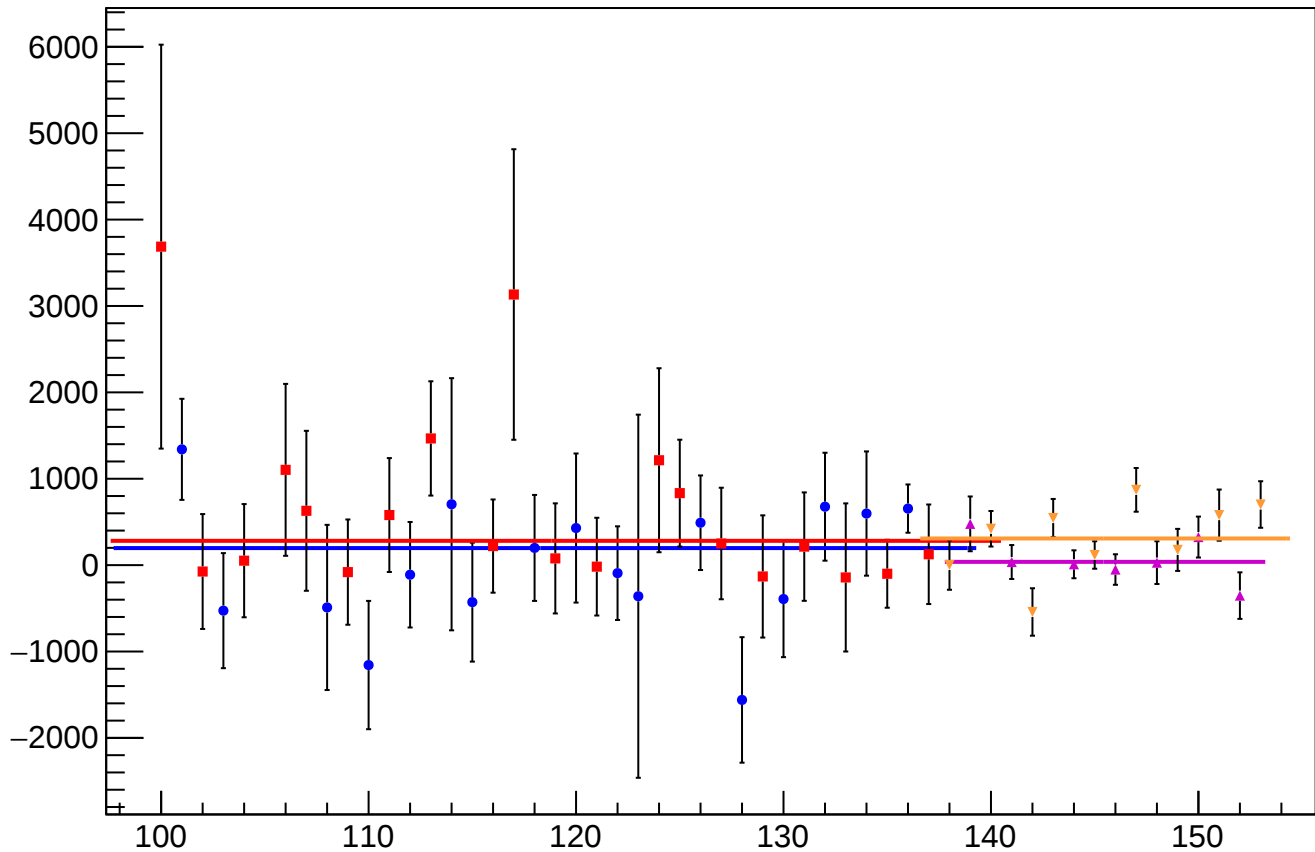
Right Out: 26.903 ± 0.007 χ^2/NDF : 679269.9/19

Left In: 20.653 ± 0.006 χ^2/NDF : 46231.2/6

22.880 ± 0.005 χ^2/NDF : 995651.6/25

23.210 ± 0.005 χ^2/NDF : 1151756.1/26

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 197.327 $\pm$ 147.883 χ^2 /NDF: 21.0/16

Left Out: 308.444 $\pm$ 77.419 χ^2 /NDF:21.9/8

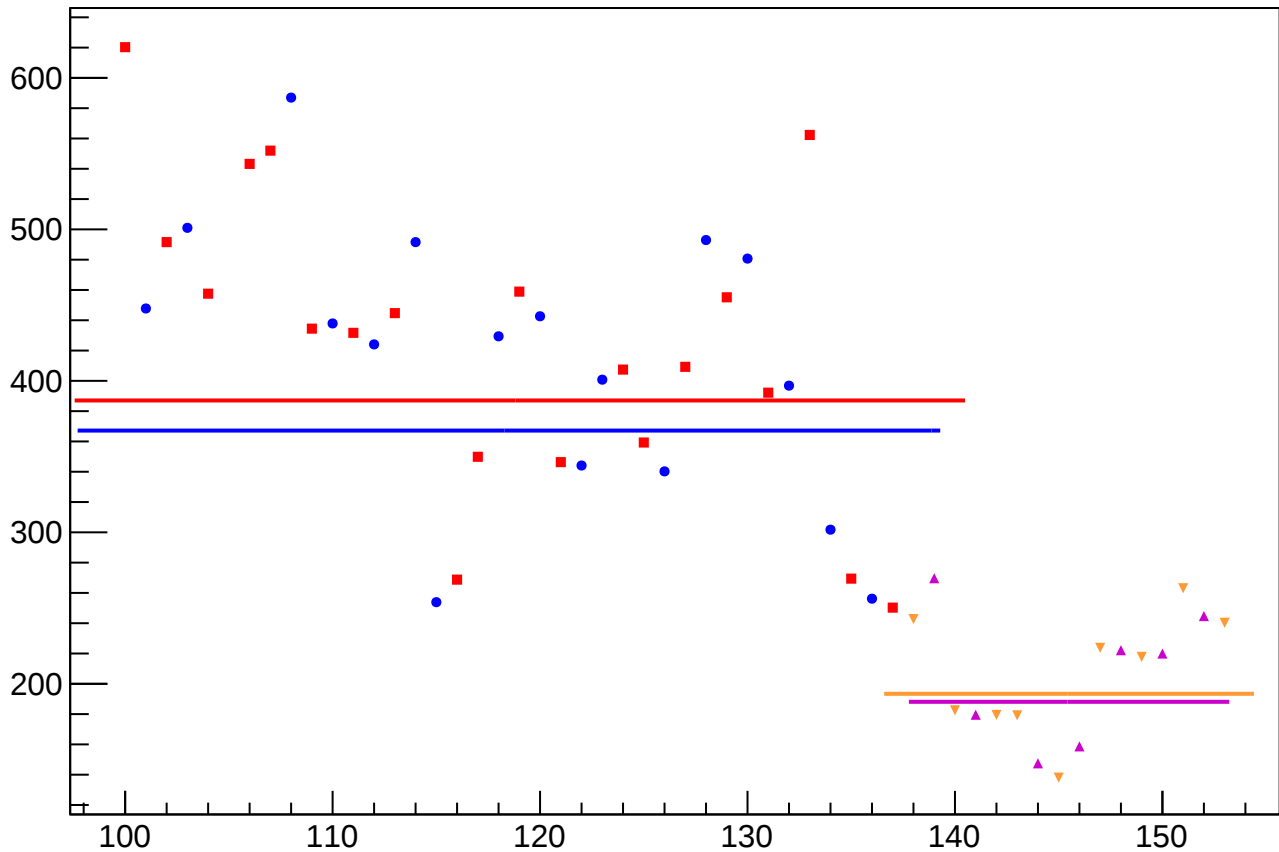
Right Out: 281.185 $\pm$ 149.275 χ^2 /NDF: 13.6/19

Left In: 37.869 $\pm$ 80.561 χ^2 /NDF:5.8/6

284.542 $\pm$ 68.588 χ^2 /NDF: 43.3/25

92.751 $\pm$ 70.895 χ^2 /NDF: 21.4/26

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 367.180 ± 0.105 $\chi^2/\text{NDF}: 827148.2/16$

Left Out: 193.413 ± 0.055 $\chi^2/\text{NDF}: 541008.9/8$

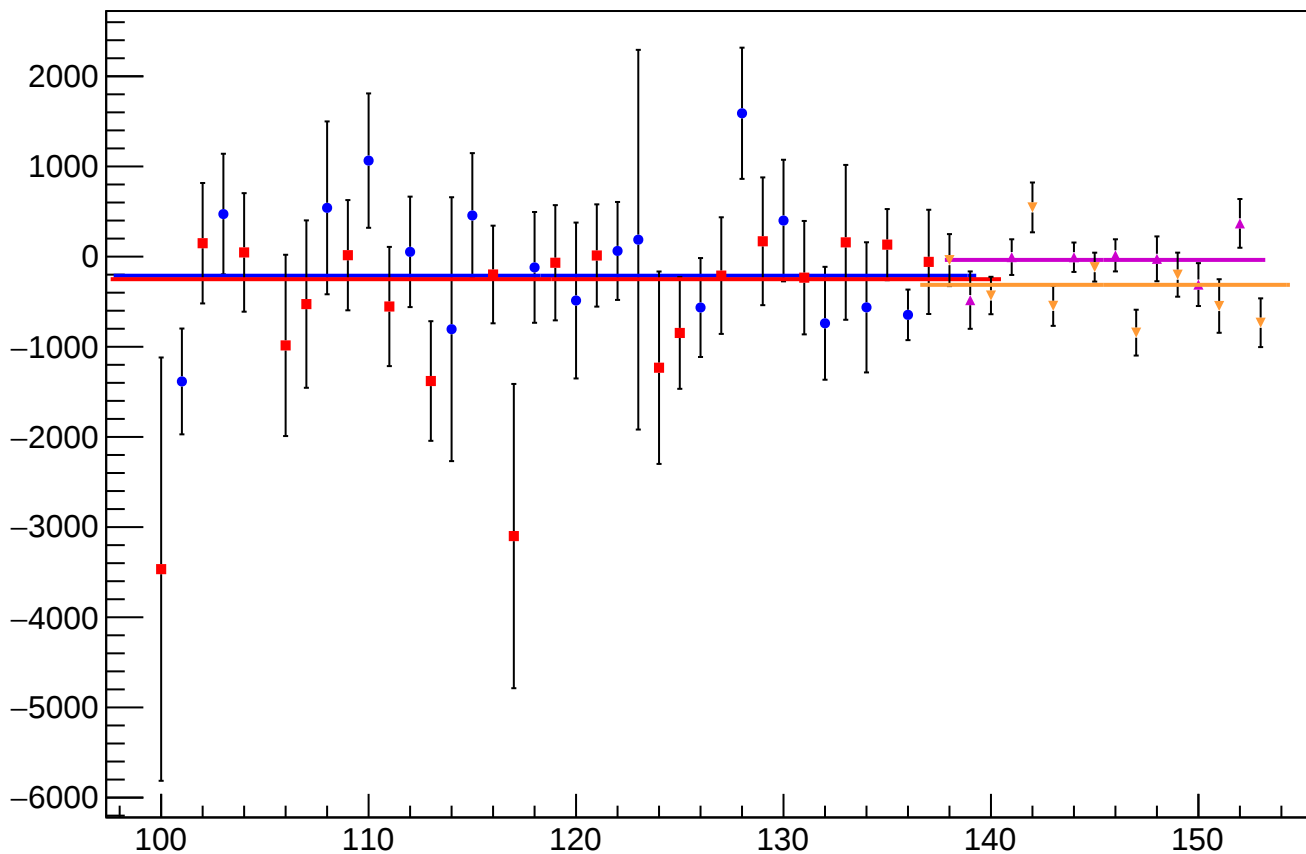
Right Out: 387.048 ± 0.106 $\chi^2/\text{NDF}: 775547.5/19$

Left In: 188.117 ± 0.057 $\chi^2/\text{NDF}: 480244.6/6$

230.792 ± 0.048 $\chi^2/\text{NDF}: 3535540.2/25$

232.988 ± 0.050 $\chi^2/\text{NDF}: 4006526.1/26$

asym_sam_1357_2468_dd_mean vs Slug



Right In: -211.859+/-148.316 χ^2/NDF : 21.0/16

Left Out: -313.040+/-77.916 χ^2/NDF : 21.1/8

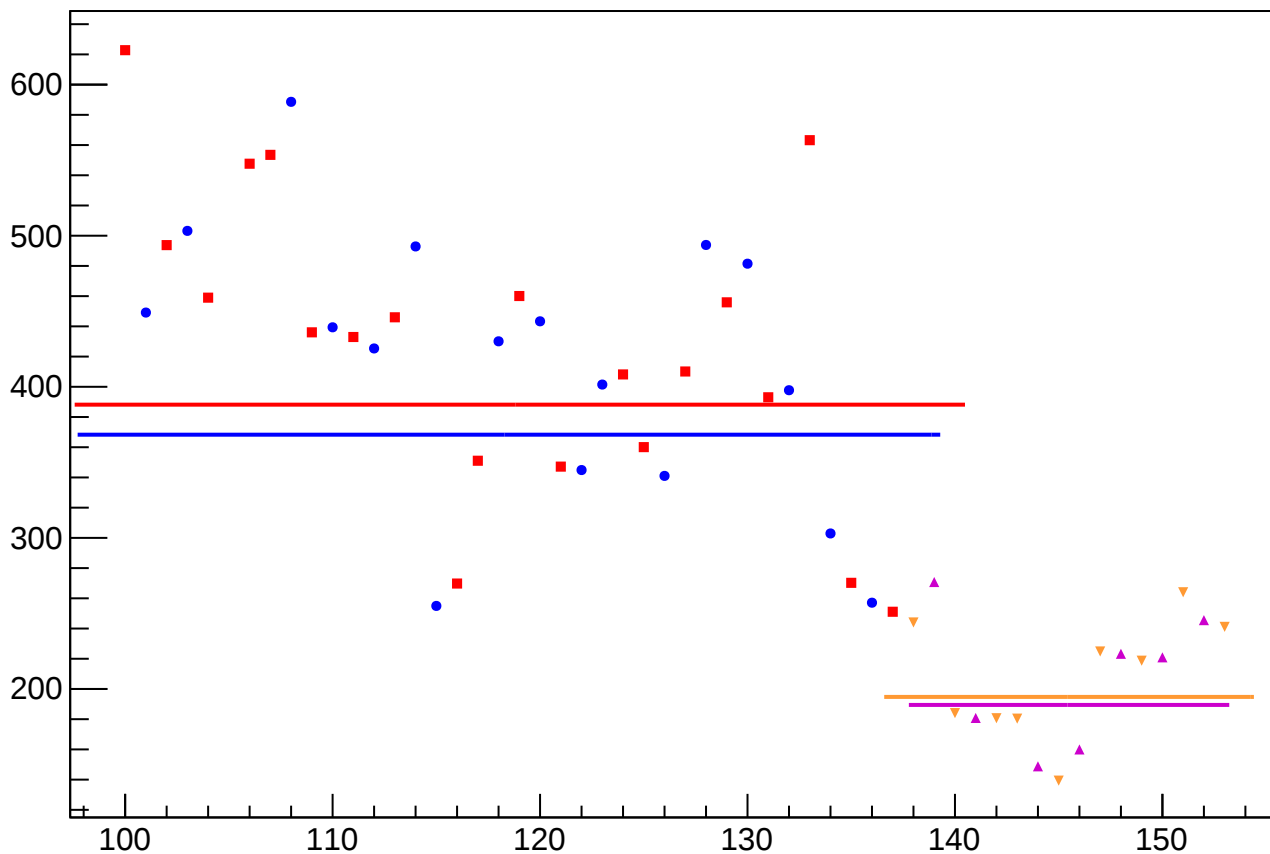
Right Out: -250.443+/-149.724 χ^2/NDF : 12.9/19

Left In: -36.521+/-81.090 χ^2/NDF : 5.7/6

-291.156+/-68.977 χ^2/NDF : 42.5/25

-85.038+/-71.304 χ^2/NDF : 20.2/26

asym_sam_1357_2468_dd_rms vs Slug



Right In: 368.302 $\pm$ 0.105 χ^2 /NDF: 824619.2/16

Left Out: 194.745 $\pm$ 0.055 χ^2 /NDF:530906.7/8

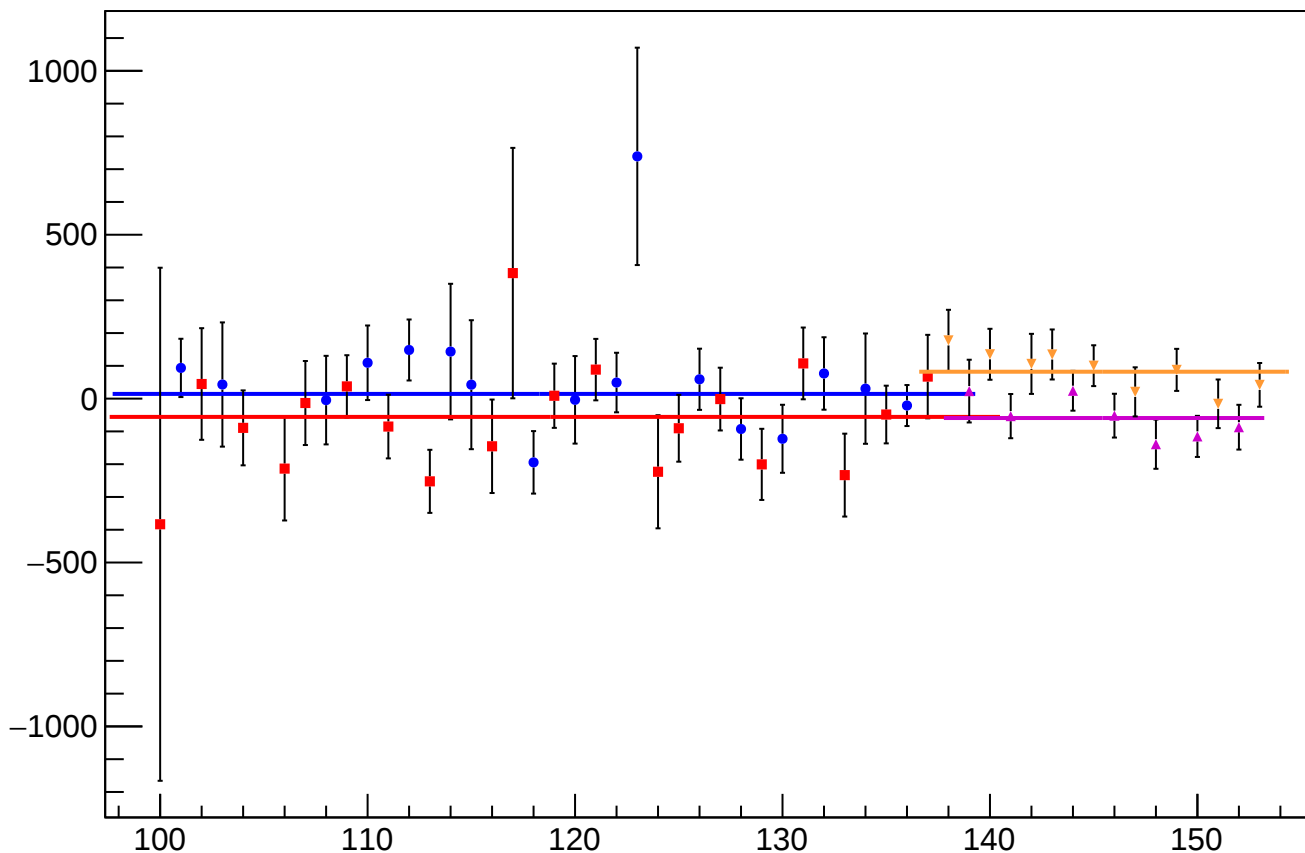
Right Out: 388.178 $\pm$ 0.106 χ^2 /NDF: 775692.7/19

Left In: 189.438 $\pm$ 0.057 χ^2 /NDF:471707.4/6

232.283 $\pm$ 0.049 χ^2 /NDF: 3501834.5/25

234.512 $\pm$ 0.050 χ^2 /NDF: 3972044.3/26

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 14.385 ± 26.334 $\chi^2/\text{NDF}: 17.7/16$

Left Out: 82.095 ± 24.566 $\chi^2/\text{NDF}: 4.9/8$

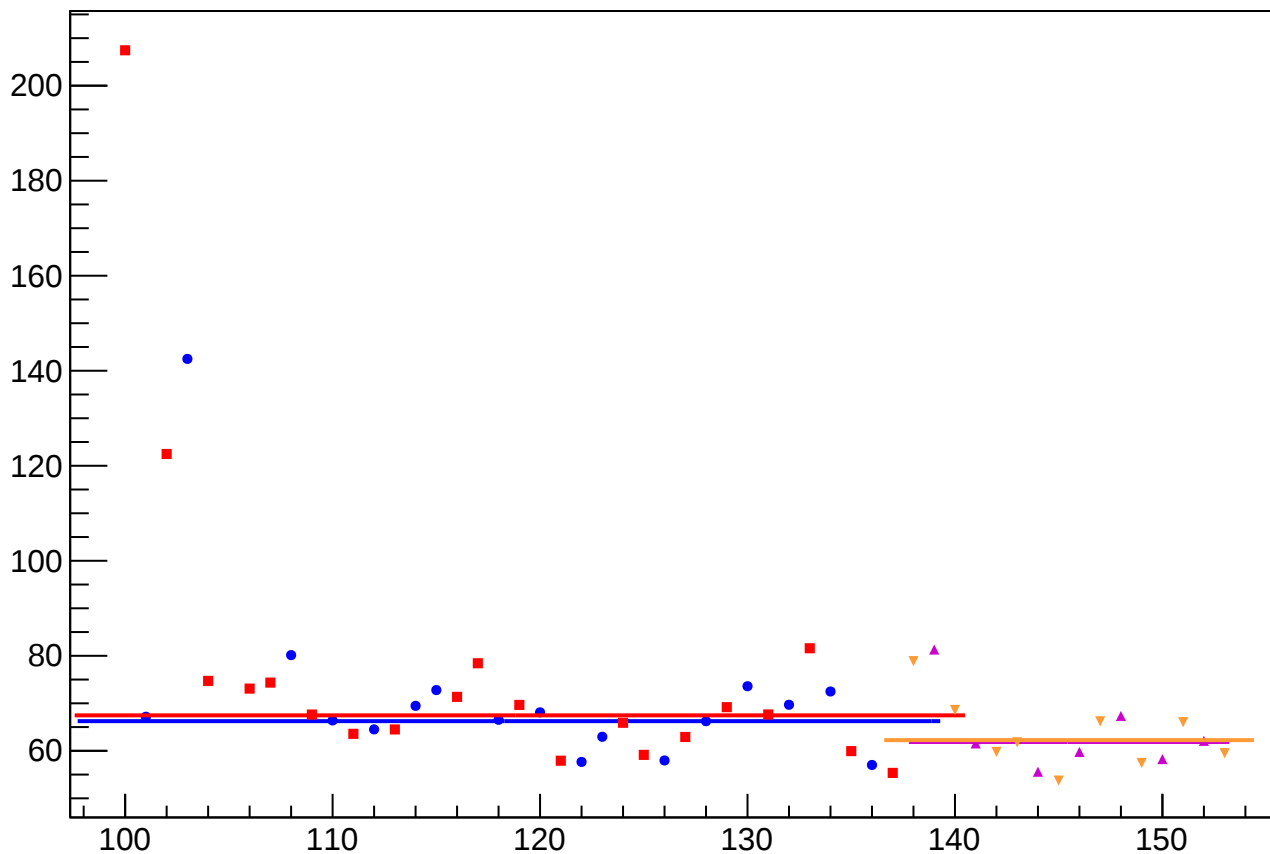
Right Out: -55.744 ± 26.060 $\chi^2/\text{NDF}: 19.7/19$

Left In: -59.172 ± 26.080 $\chi^2/\text{NDF}: 4.7/6$

50.589 ± 17.963 $\chi^2/\text{NDF}: 26.1/25$

-57.456 ± 18.434 $\chi^2/\text{NDF}: 24.5/26$

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 66.247+/-0.019 χ^2/NDF : 440944.2/16

Left Out: 62.250+/-0.017 χ^2/NDF :141217.0/8

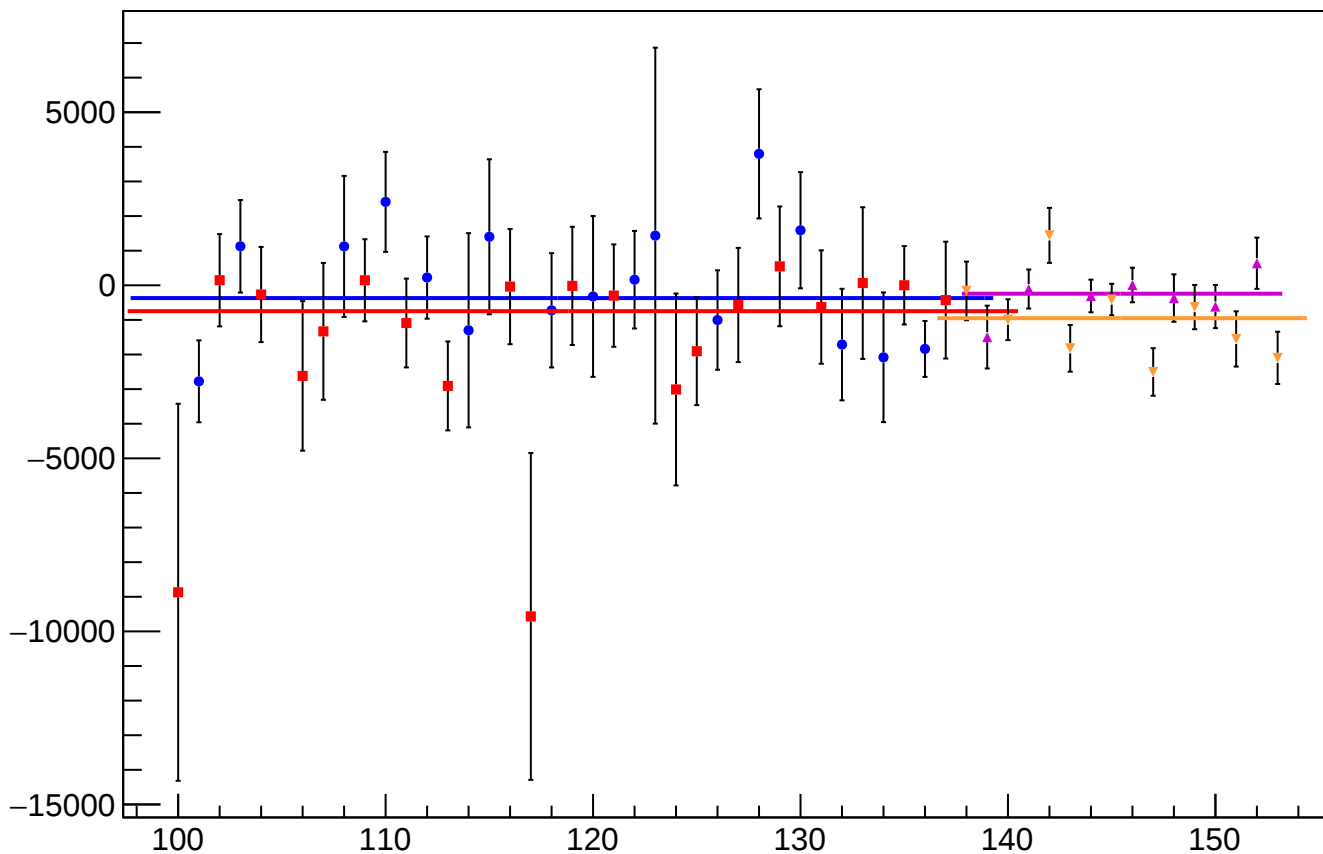
Right Out: 67.466+/-0.018 χ^2/NDF : 395262.8/19

Left In: 61.864+/-0.018 χ^2/NDF :123146.4/6

64.110+/-0.013 χ^2/NDF : 606797.6/25

64.667+/-0.013 χ^2/NDF : 564599.0/26

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -369.546 $\pm$ 366.432 χ^2/NDF : 22.3/16

Left Out: -949.875 $\pm$ 219.350 χ^2/NDF : 21.2/8

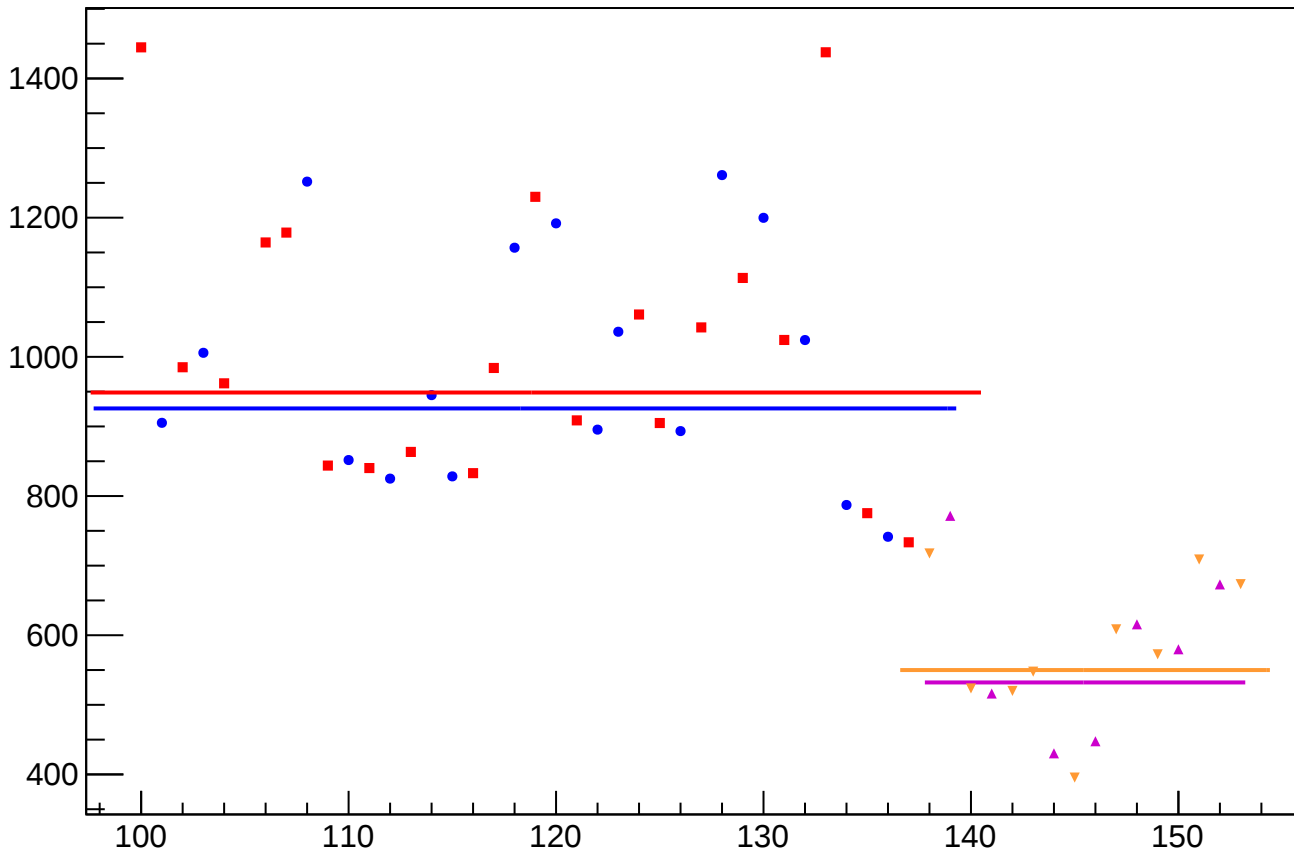
Right Out: -747.208 $\pm$ 360.830 χ^2/NDF : 13.4/19

Left In: -242.991 $\pm$ 227.107 χ^2/NDF : 4.0/6

-796.782 $\pm$ 188.206 χ^2/NDF : 45.4/25

-386.060 $\pm$ 192.205 χ^2/NDF : 18.9/26

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 925.885 $\pm$ 0.259 χ^2/NDF : 391084.5/16

Left Out: 549.958 $\pm$ 0.155 χ^2/NDF : 466349.5/8

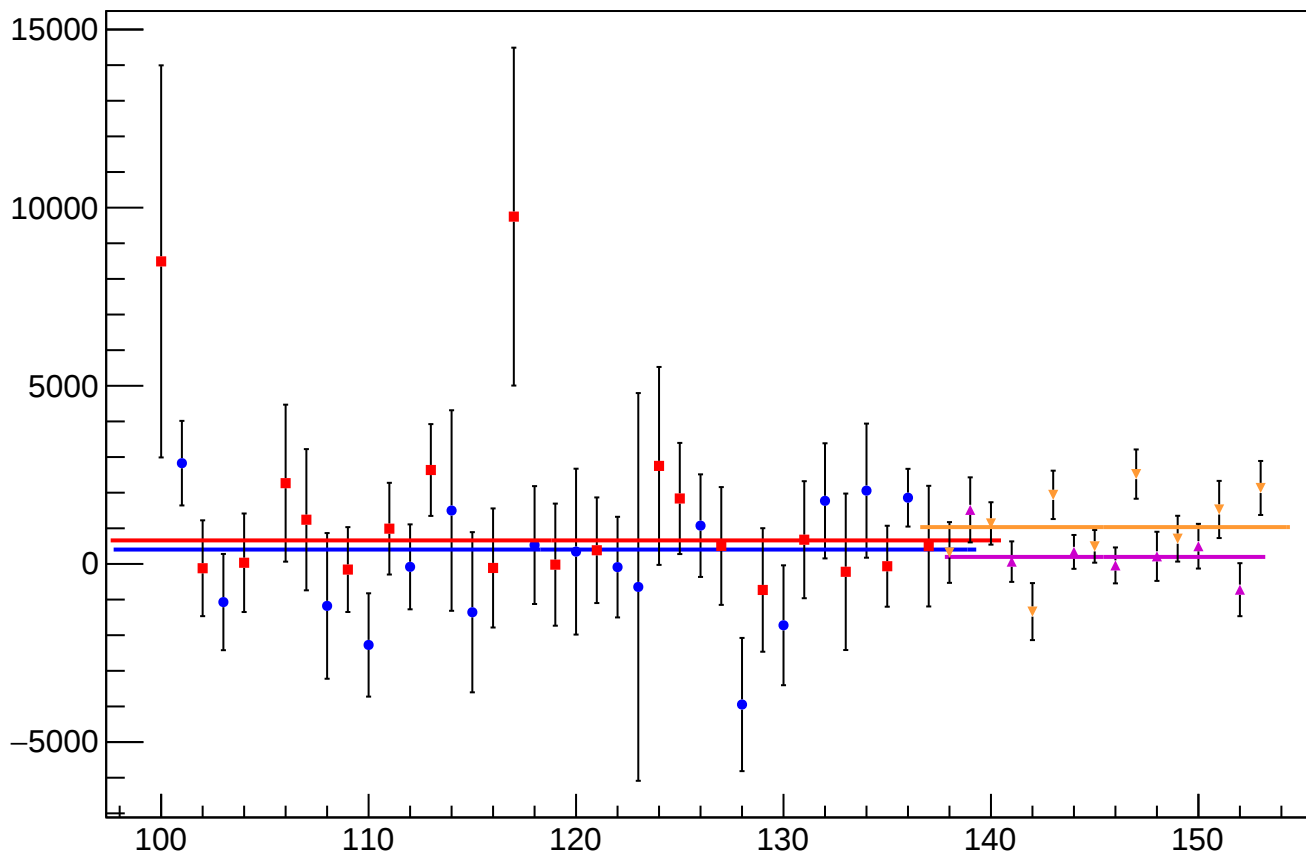
Right Out: 948.760 $\pm$ 0.255 χ^2/NDF : 382044.0/19

Left In: 532.159 $\pm$ 0.161 χ^2/NDF : 405125.7/6

649.128 $\pm$ 0.133 χ^2/NDF : 2407119.1/25

650.367 $\pm$ 0.136 χ^2/NDF : 2696726.7/26

asym_sam_12345678_avg_mean vs Slug



Right In: 403.591 $\pm$ 367.686 χ^2 /NDF: 22.4/16

Left Out: 1033.993 $\pm$ 220.884 χ^2 /NDF:20.0/8

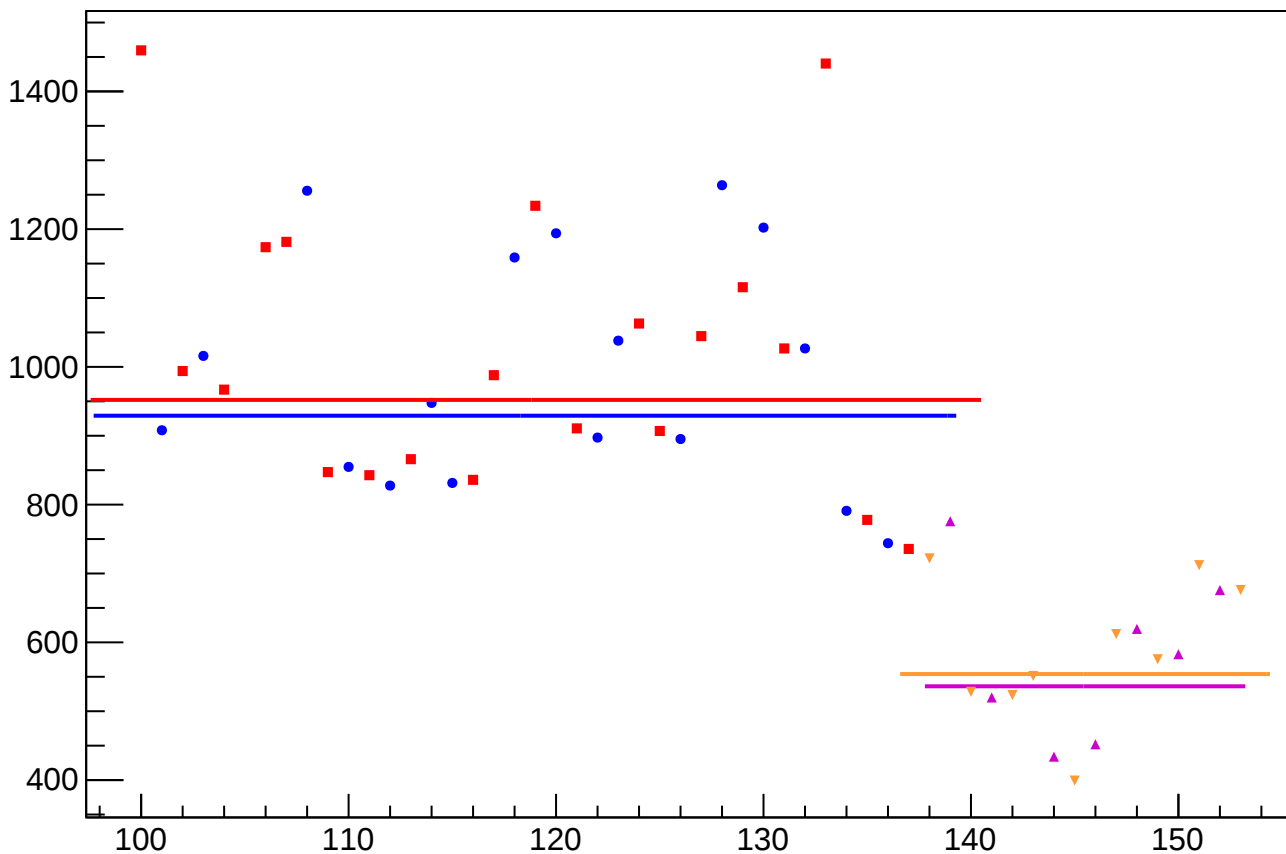
Right Out: 660.630 $\pm$ 362.265 χ^2 /NDF: 12.5/19

Left In: 197.088 $\pm$ 228.752 χ^2 /NDF:4.2/6

866.818 $\pm$ 189.345 χ^2 /NDF: 44.6/25

329.227 $\pm$ 193.419 χ^2 /NDF: 17.9/26

asym_sam_12345678_avg_rms vs Slug



Right In: 929.096+/-0.260 χ^2/NDF : 390292.1/16

Left Out: 553.986+/-0.156 χ^2/NDF : 457887.2/8

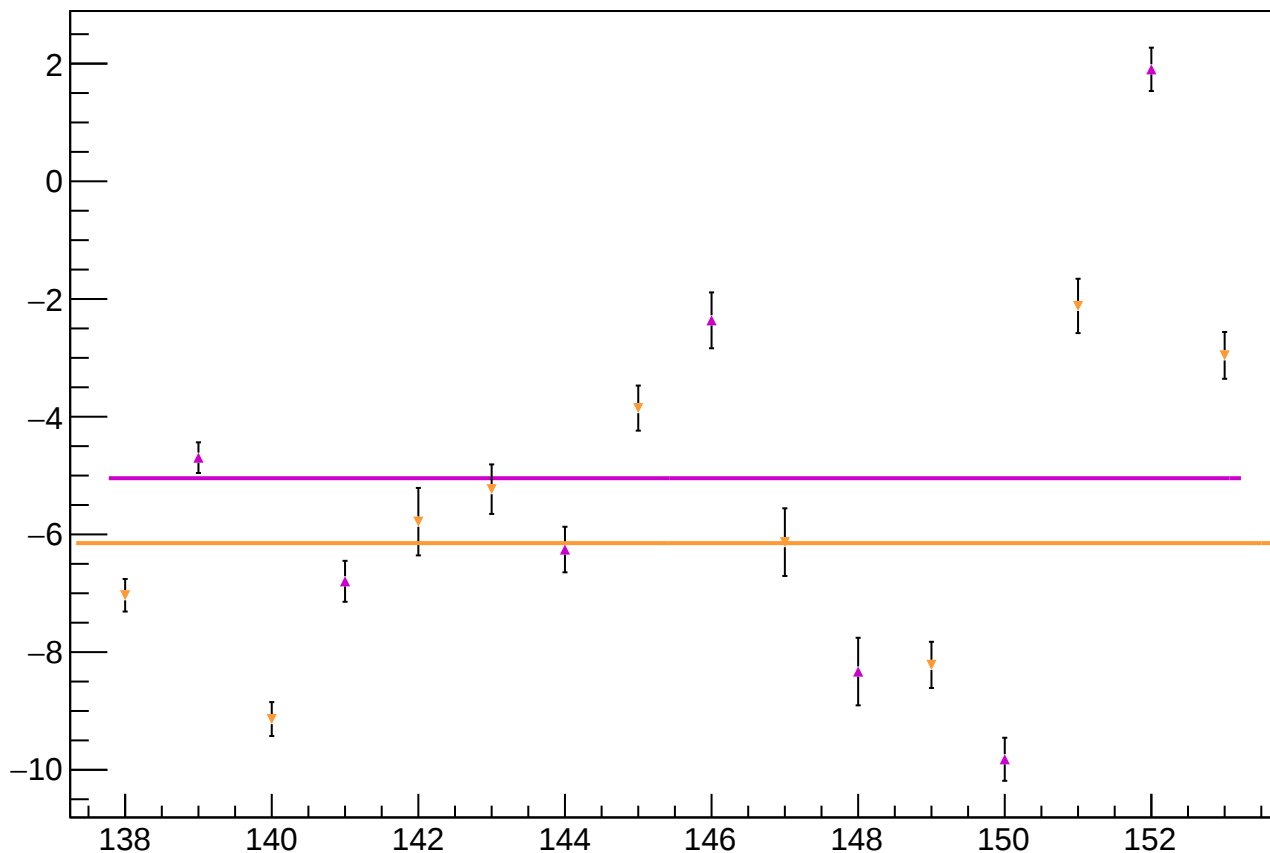
Right Out: 952.057+/-0.256 χ^2/NDF : 382334.5/19

Left In: 536.189+/-0.162 χ^2/NDF : 398575.8/6

653.460+/-0.134 χ^2/NDF : 2377757.5/25

654.738+/-0.137 χ^2/NDF : 2665230.1/26

reg_asym_sam1_diff_bpm1X_slope vs Slug



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

Left Out: -6.148+/-0.128 χ^2/NDF : 327.3/8

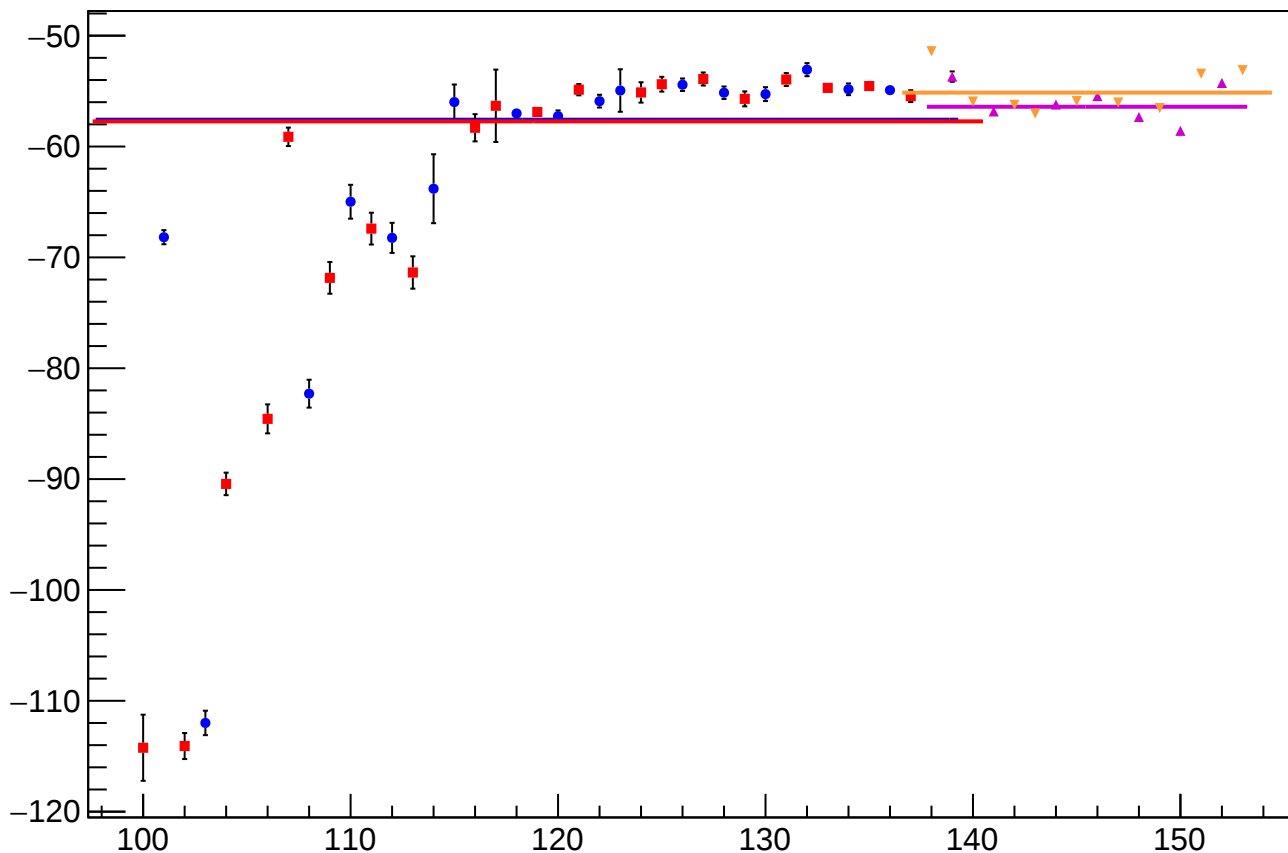
-6.148+/-0.128 χ^2/NDF : 327.3/8

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

-5.045+/-0.139 χ^2/NDF : 627.9/6

Left In: -5.045+/-0.139 χ^2/NDF : 627.9/6

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -57.581 ± 0.143 $\chi^2/\text{NDF}: 3455.5/16$

Left Out: -55.137 ± 0.095 $\chi^2/\text{NDF}: 333.3/8$

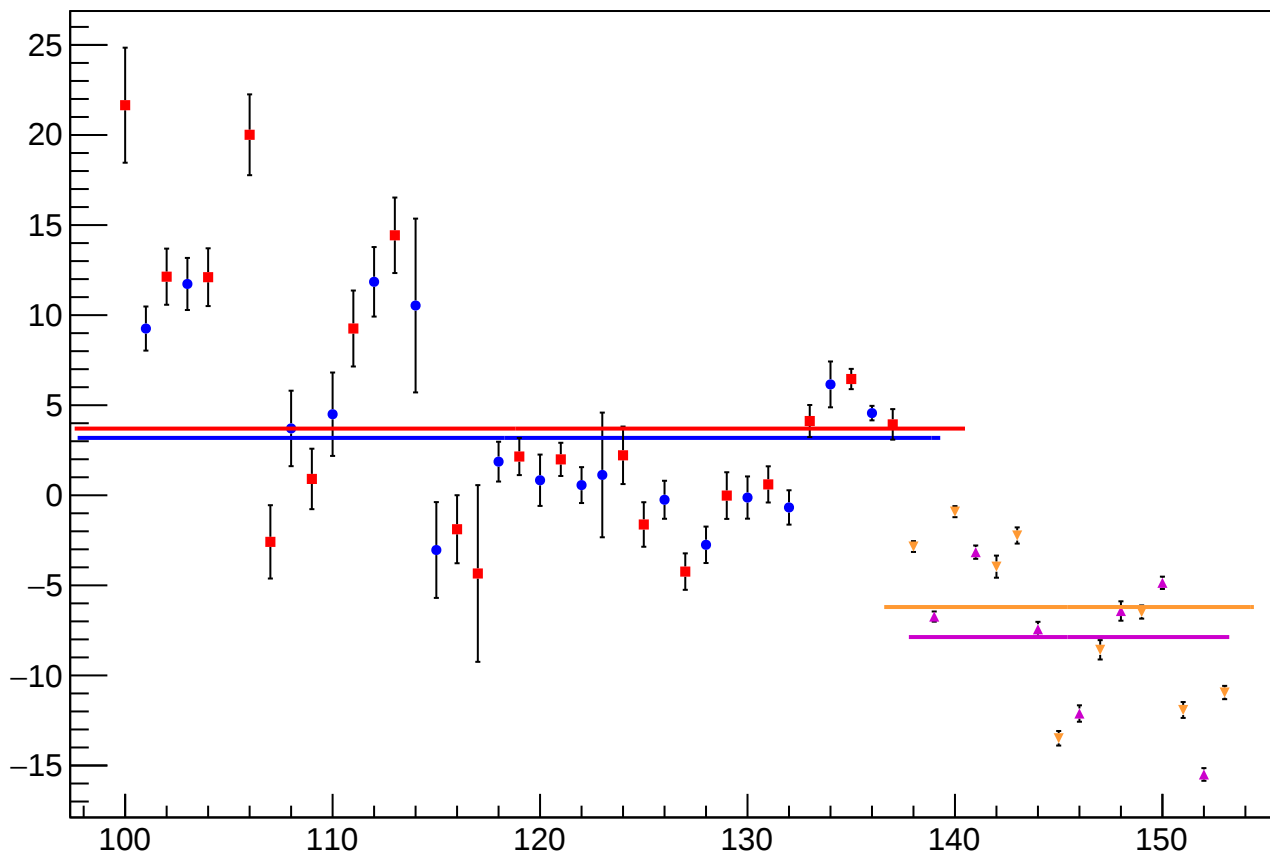
Right Out: -57.730 ± 0.143 $\chi^2/\text{NDF}: 4698.7/19$

Left In: -56.412 ± 0.108 $\chi^2/\text{NDF}: 193.3/6$

-55.888 ± 0.079 $\chi^2/\text{NDF}: 3990.9/25$

-56.893 ± 0.086 $\chi^2/\text{NDF}: 4946.0/26$

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 3.185 ± 0.259 χ^2/NDF : 185.8/16

Left Out: -6.203 ± 0.130 χ^2/NDF : 1192.1/8

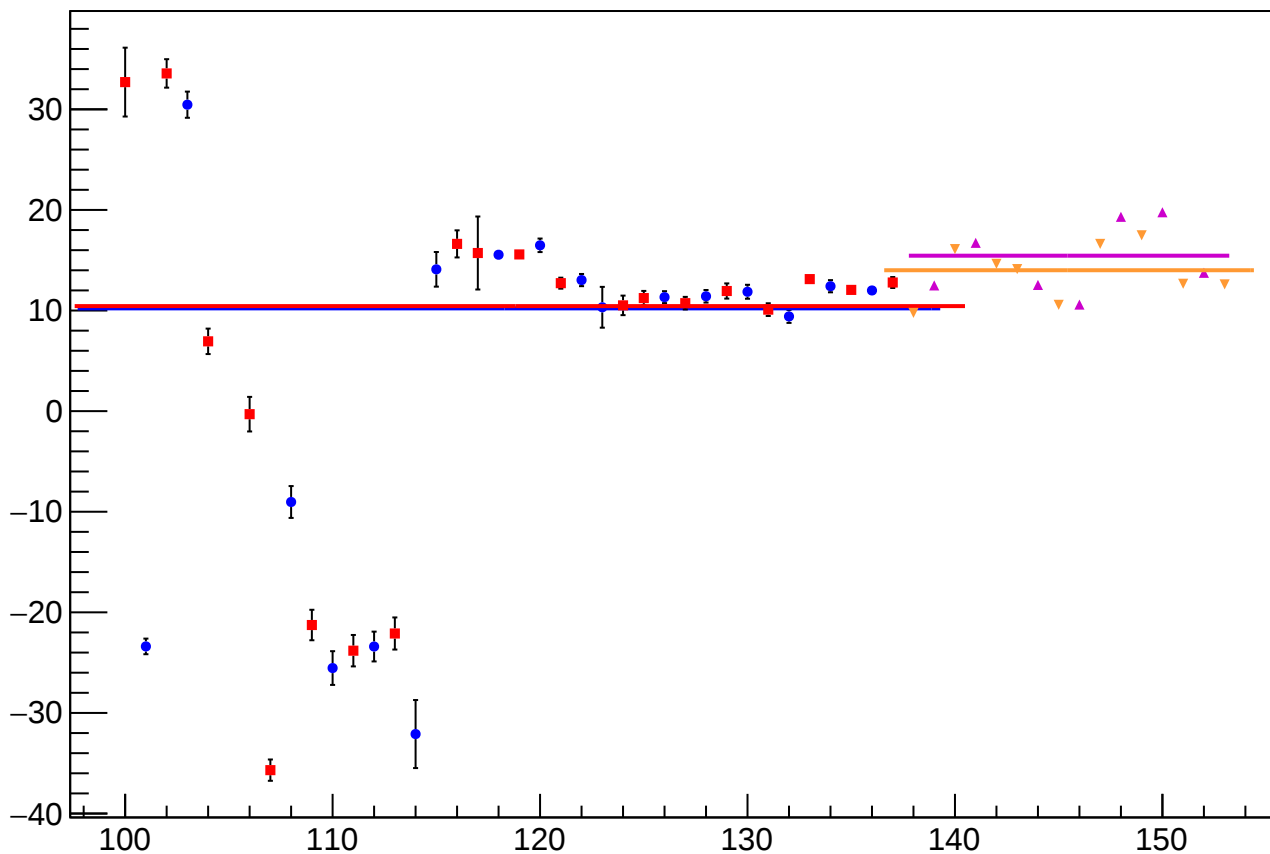
Right Out: 3.702 ± 0.267 χ^2/NDF : 326.8/19

Left In: -7.870 ± 0.141 χ^2/NDF : 819.9/6

-4.305 ± 0.116 χ^2/NDF : 2426.2/25

-5.358 ± 0.124 χ^2/NDF : 2615.8/26

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 10.215 ± 0.158 χ^2/NDF : 3692.6/16

Left Out: 14.006 ± 0.114 χ^2/NDF : 498.9/8

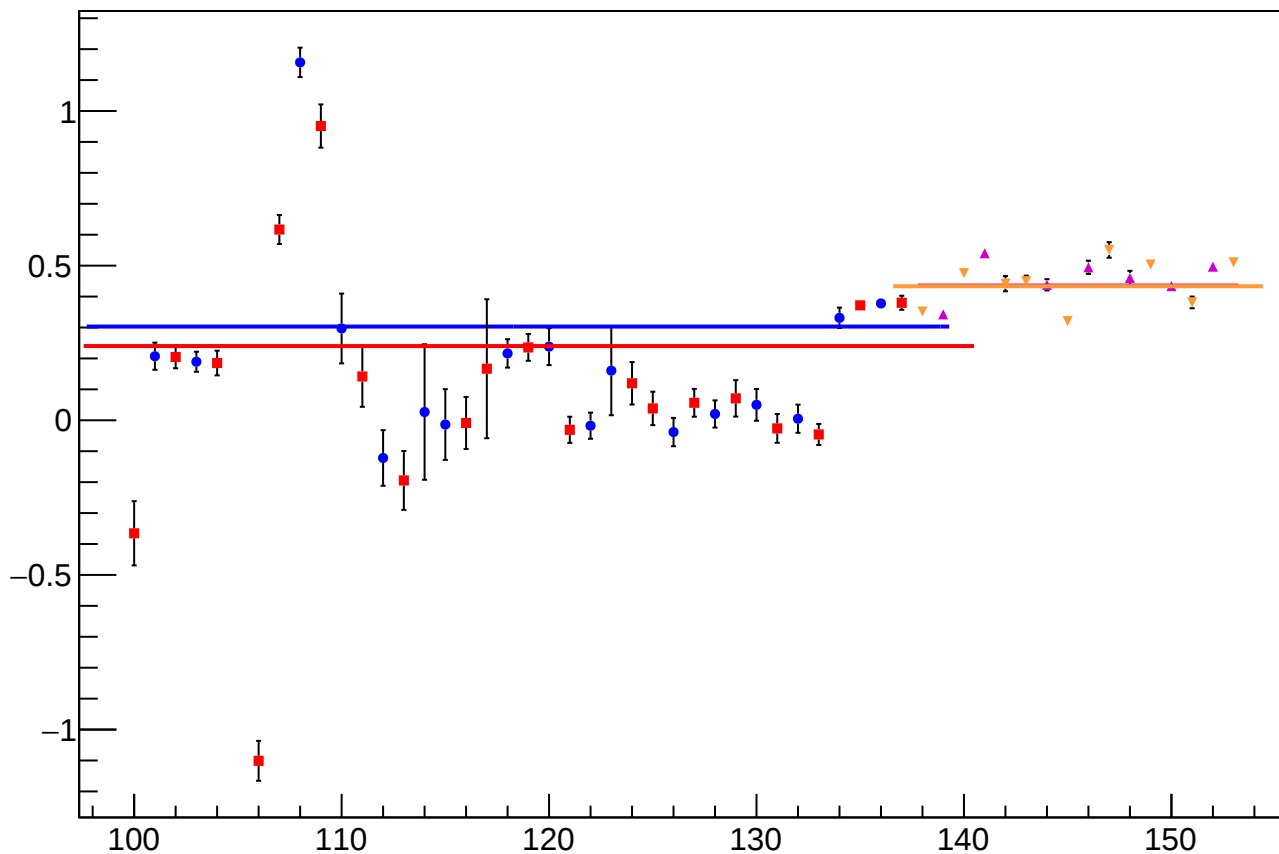
Right Out: 10.440 ± 0.160 χ^2/NDF : 3829.1/19

Left In: 15.451 ± 0.129 χ^2/NDF : 651.4/6

12.706 ± 0.093 χ^2/NDF : 4569.3/25

13.476 ± 0.100 χ^2/NDF : 5075.7/26

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.303 $\pm$ 0.008 χ^2 /NDF: 646.3/16

Left Out: 0.433 $\pm$ 0.005 χ^2 /NDF:195.3/8

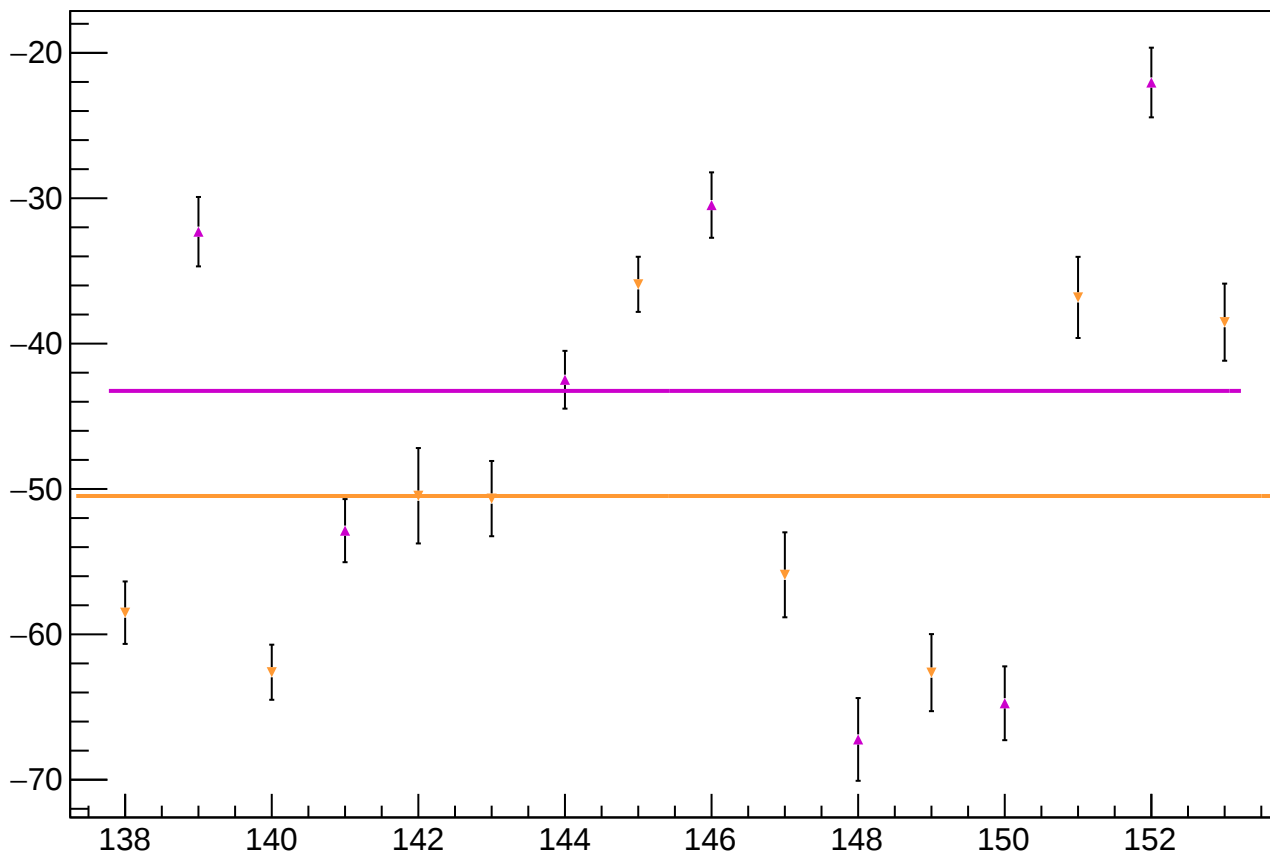
Right Out: 0.240 $\pm$ 0.009 χ^2 /NDF: 984.5/19

Left In: 0.436 $\pm$ 0.006 χ^2 /NDF:164.8/6

0.395 $\pm$ 0.004 χ^2 /NDF: 1019.9/25

0.376 $\pm$ 0.005 χ^2 /NDF: 1516.8/26

reg_asym_sam2_diff_bpm1X_slope vs Slug



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

Left Out: -50.482+/-0.804 χ^2/NDF : 182.6/8

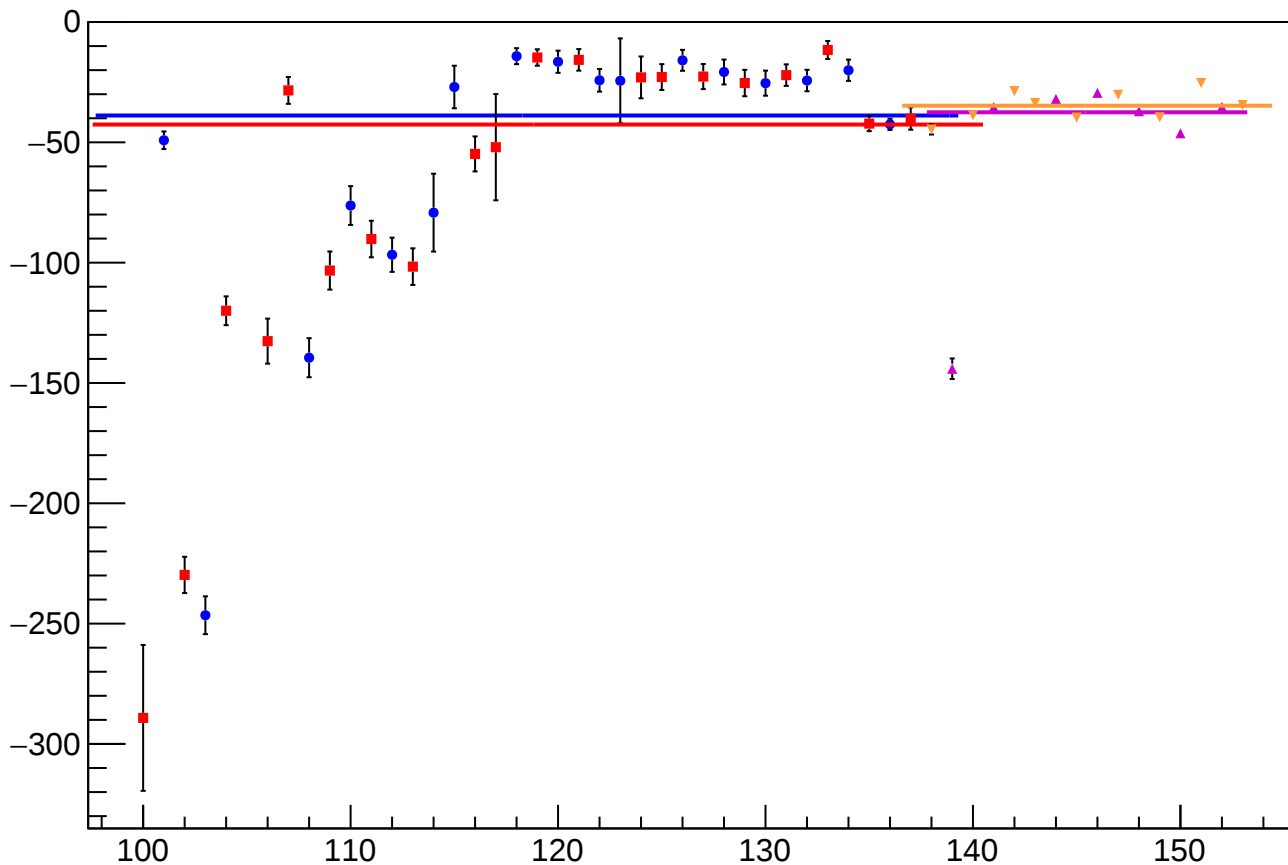
-50.482+/-0.804 χ^2/NDF : 182.6/8

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

Left In: -43.253+/-0.880 χ^2/NDF : 294.0/6

-43.253+/-0.880 χ^2/NDF : 294.0/6

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -38.844 ± 1.148 χ^2/NDF : 1121.9/16

Left Out: -34.779 ± 0.563 χ^2/NDF : 99.4/8

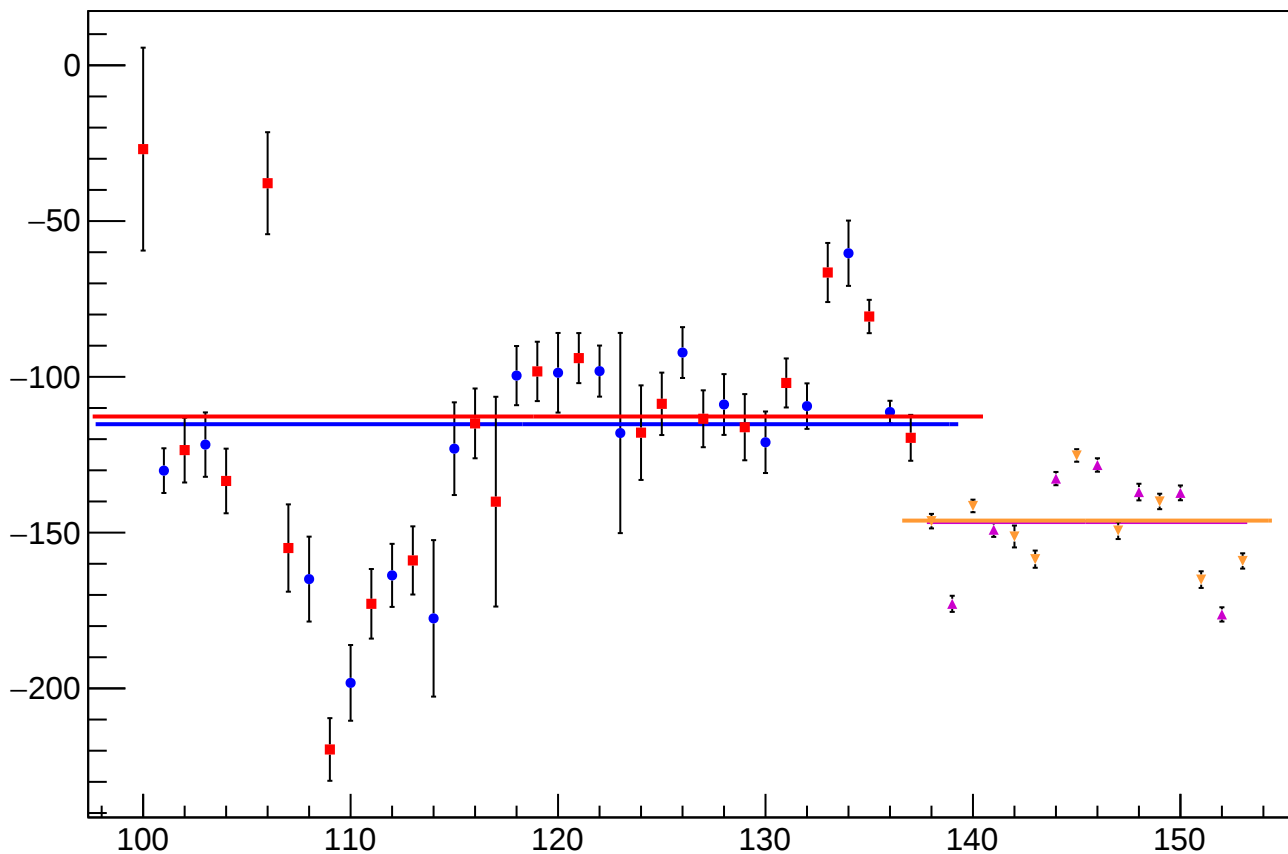
Right Out: -42.614 ± 1.208 χ^2/NDF : 1345.9/19

Left In: -37.516 ± 0.613 χ^2/NDF : 698.5/6

-35.566 ± 0.505 χ^2/NDF : 1231.4/25

-38.561 ± 0.547 χ^2/NDF : 2058.5/26

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -115.199 ± 2.081 χ^2/NDF : 140.8/16

Left Out: -146.138 ± 0.819 χ^2/NDF : 220.4/8

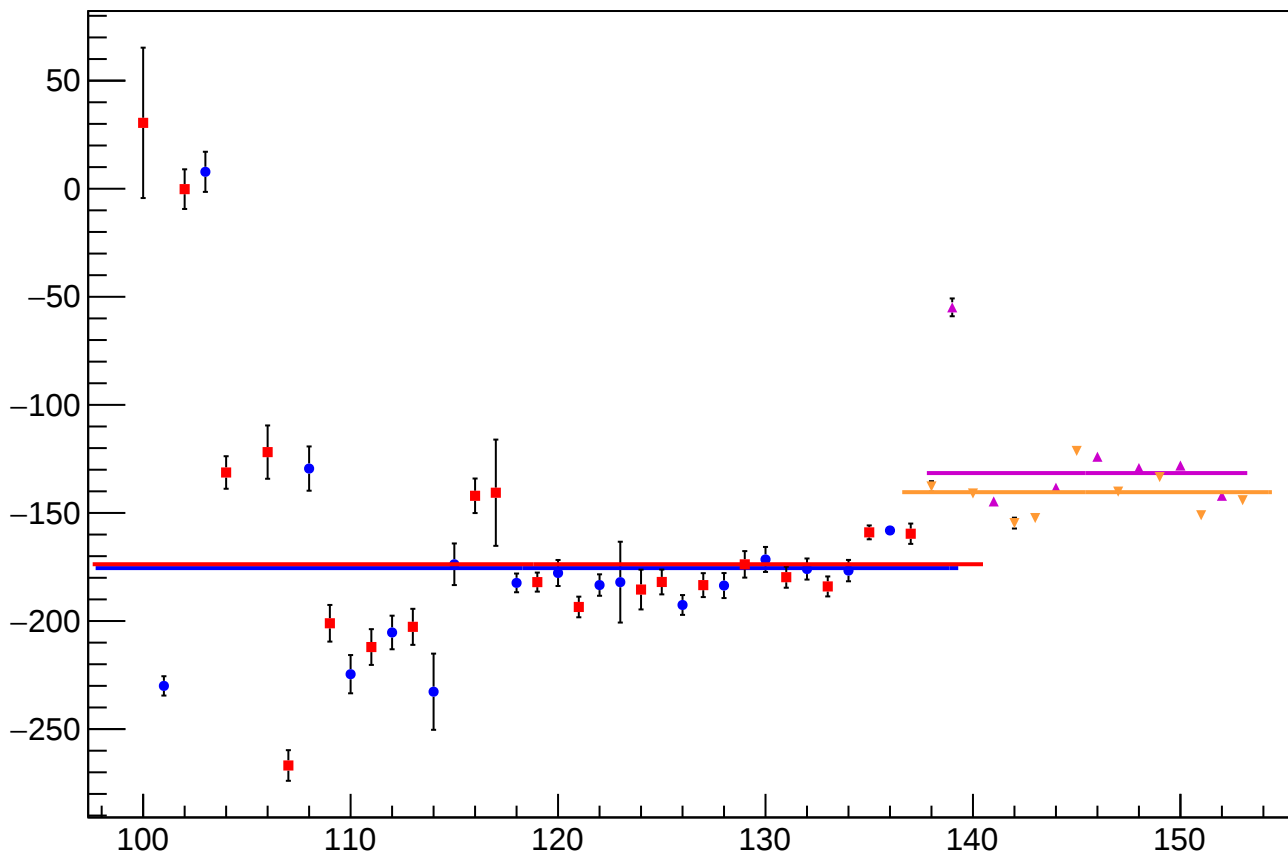
Right Out: -112.729 ± 2.205 χ^2/NDF : 273.1/19

Left In: -146.607 ± 0.884 χ^2/NDF : 414.8/6

-141.988 ± 0.762 χ^2/NDF : 552.5/25

-141.917 ± 0.820 χ^2/NDF : 891.3/26

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -175.521 ± 1.277 $\chi^2/\text{NDF}: 692.3/16$

Left Out: -140.387 ± 0.687 $\chi^2/\text{NDF}: 222.3/8$

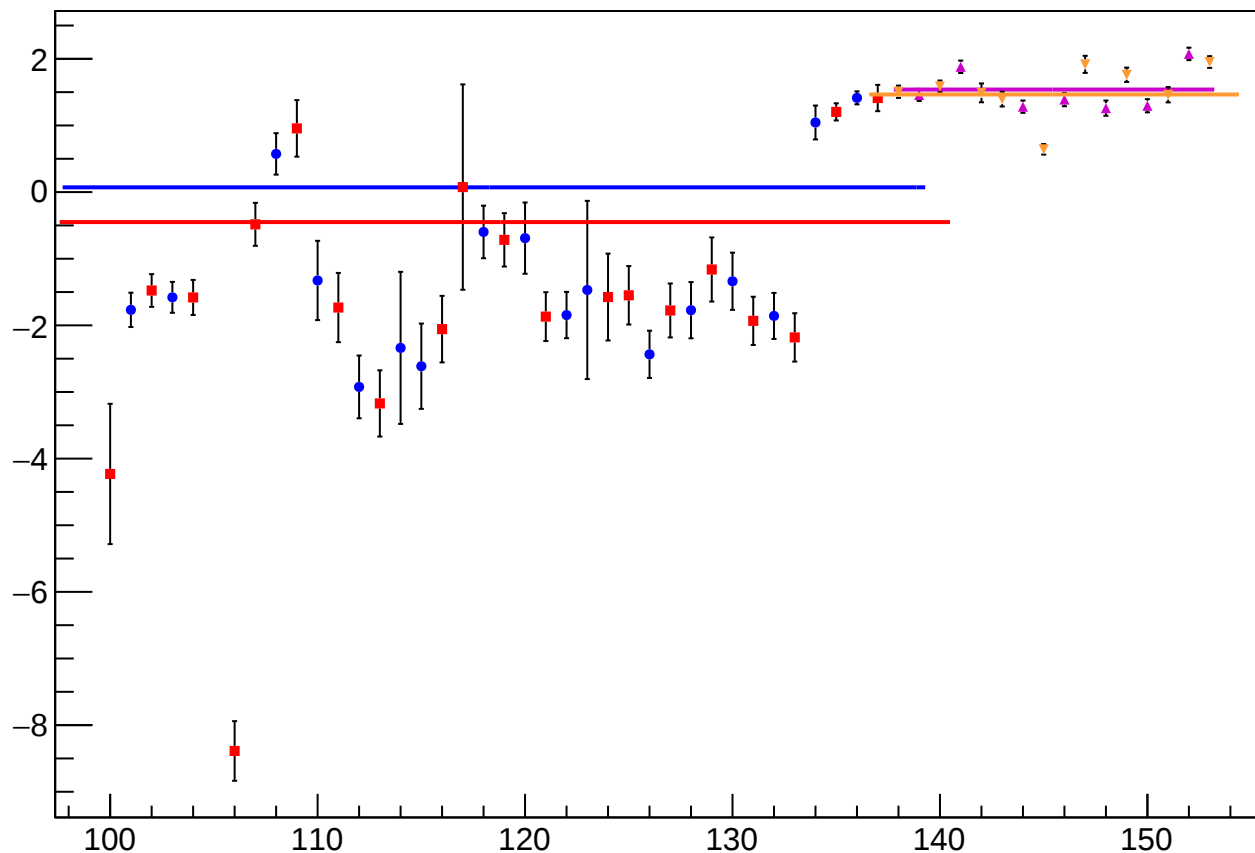
Right Out: -173.729 ± 1.354 $\chi^2/\text{NDF}: 739.7/19$

Left In: -131.550 ± 0.751 $\chi^2/\text{NDF}: 460.0/6$

-148.265 ± 0.605 $\chi^2/\text{NDF}: 1501.7/25$

-141.476 ± 0.657 $\chi^2/\text{NDF}: 1941.2/26$

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.072 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.465 ± 0.034 χ^2/NDF : 161.5/8

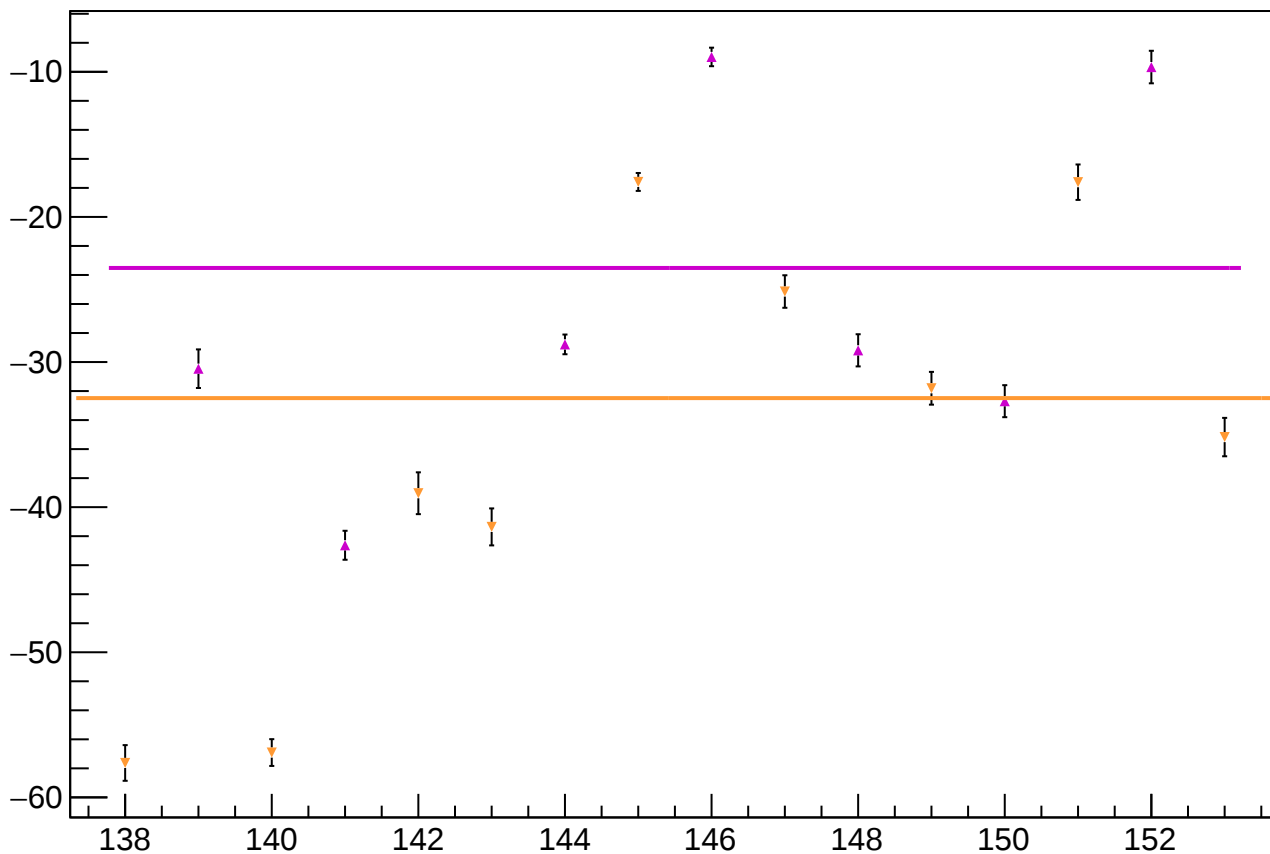
Right Out: -0.450 ± 0.071 χ^2/NDF : 751.4/19

Left In: 1.539 ± 0.037 χ^2/NDF : 69.1/6

1.187 ± 0.030 χ^2/NDF : 1031.5/25

1.123 ± 0.033 χ^2/NDF : 1436.9/26

reg_asym_sam3_diff_bpm1X_slope vs Slug



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

Left Out: -32.485+/-0.345 χ^2/NDF :1966.9/8

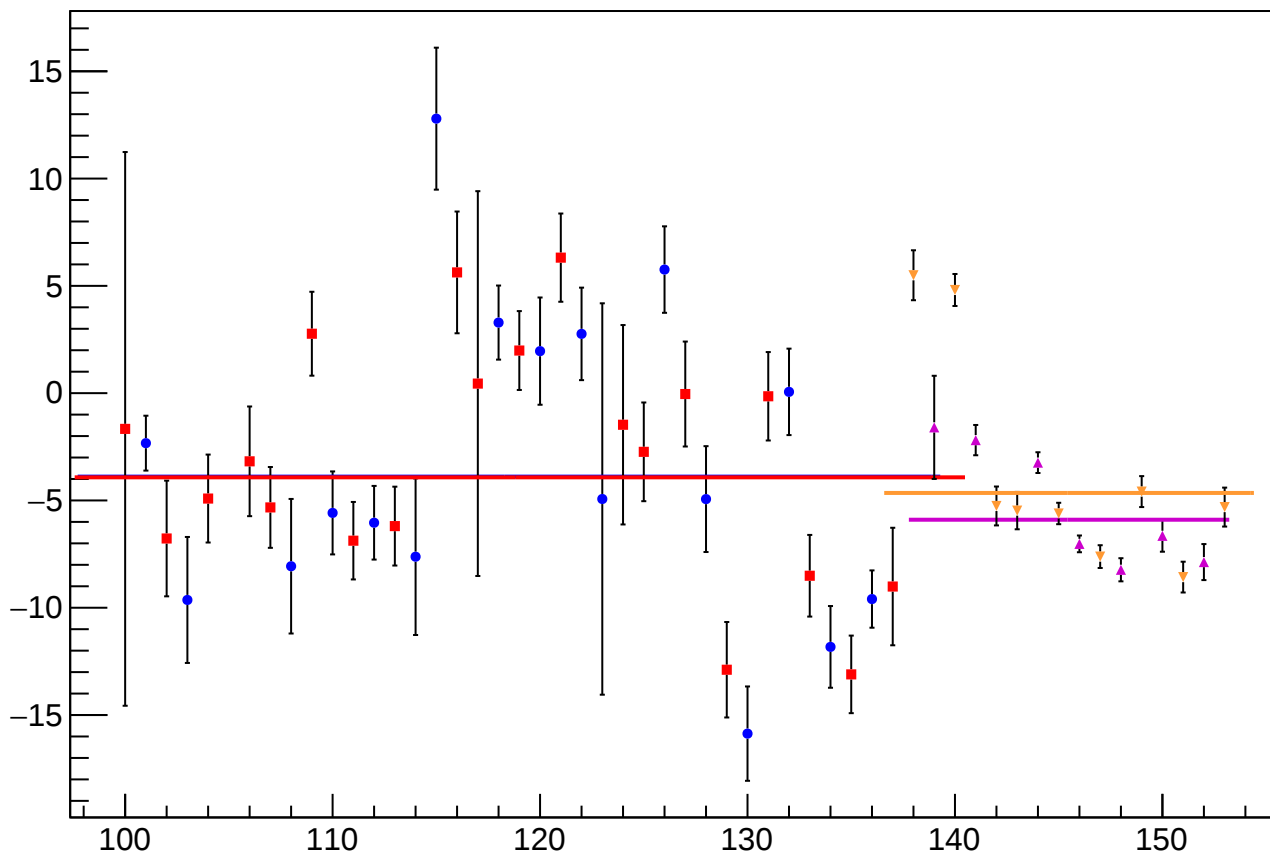
-32.485+/-0.345 χ^2/NDF : 1966.9/8

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

-23.516+/-0.341 χ^2/NDF : 1220.5/6

Left In: -23.516+/-0.341 χ^2/NDF :1220.5/6

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.890 ± 0.498 $\chi^2/\text{NDF}: 160.5/16$

Left Out: -4.650 ± 0.238 $\chi^2/\text{NDF}: 303.7/8$

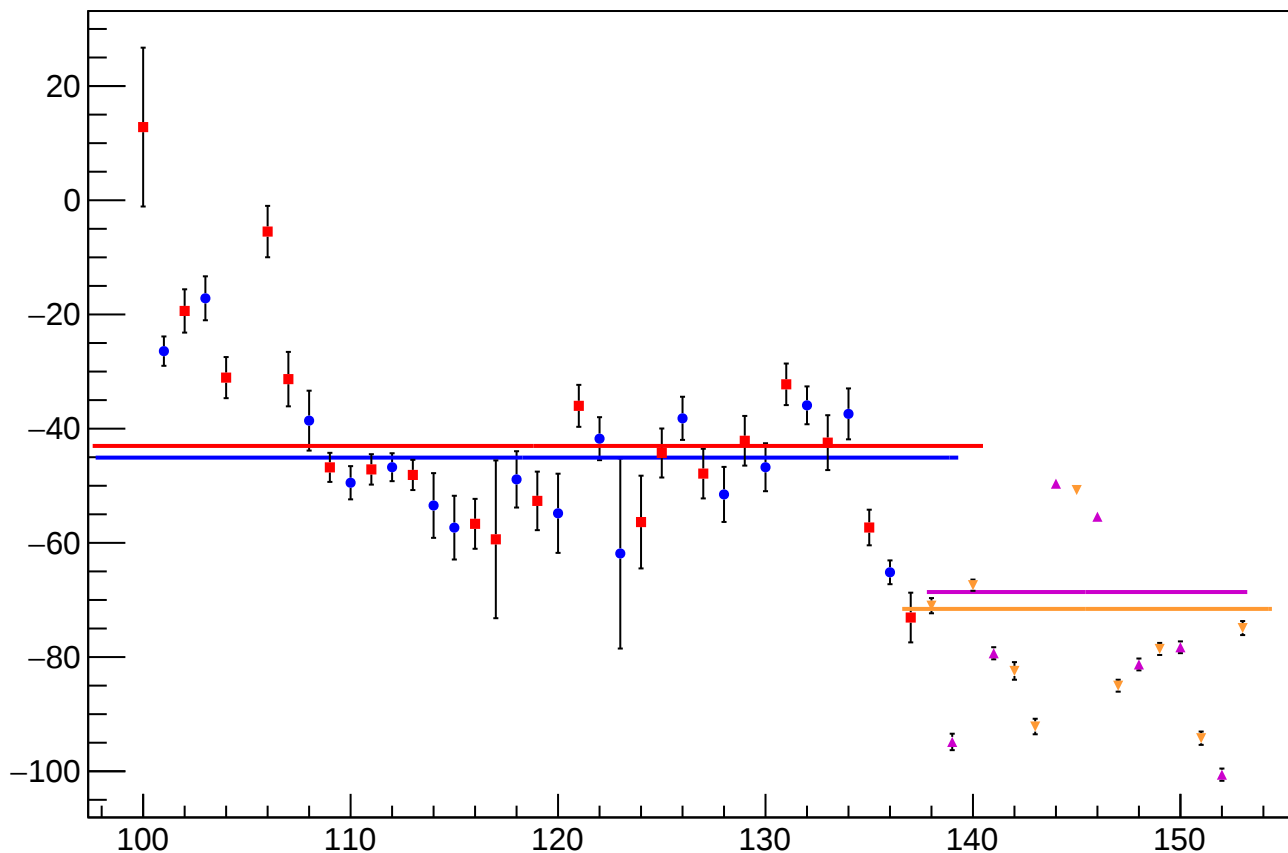
Right Out: -3.923 ± 0.506 $\chi^2/\text{NDF}: 122.4/19$

Left In: -5.898 ± 0.225 $\chi^2/\text{NDF}: 94.7/6$

-4.510 ± 0.214 $\chi^2/\text{NDF}: 466.1/25$

-5.571 ± 0.206 $\chi^2/\text{NDF}: 229.8/26$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -45.070 ± 0.883 $\chi^2/\text{NDF}: 229.7/16$

Left Out: -71.566 ± 0.351 $\chi^2/\text{NDF}: 1897.6/8$

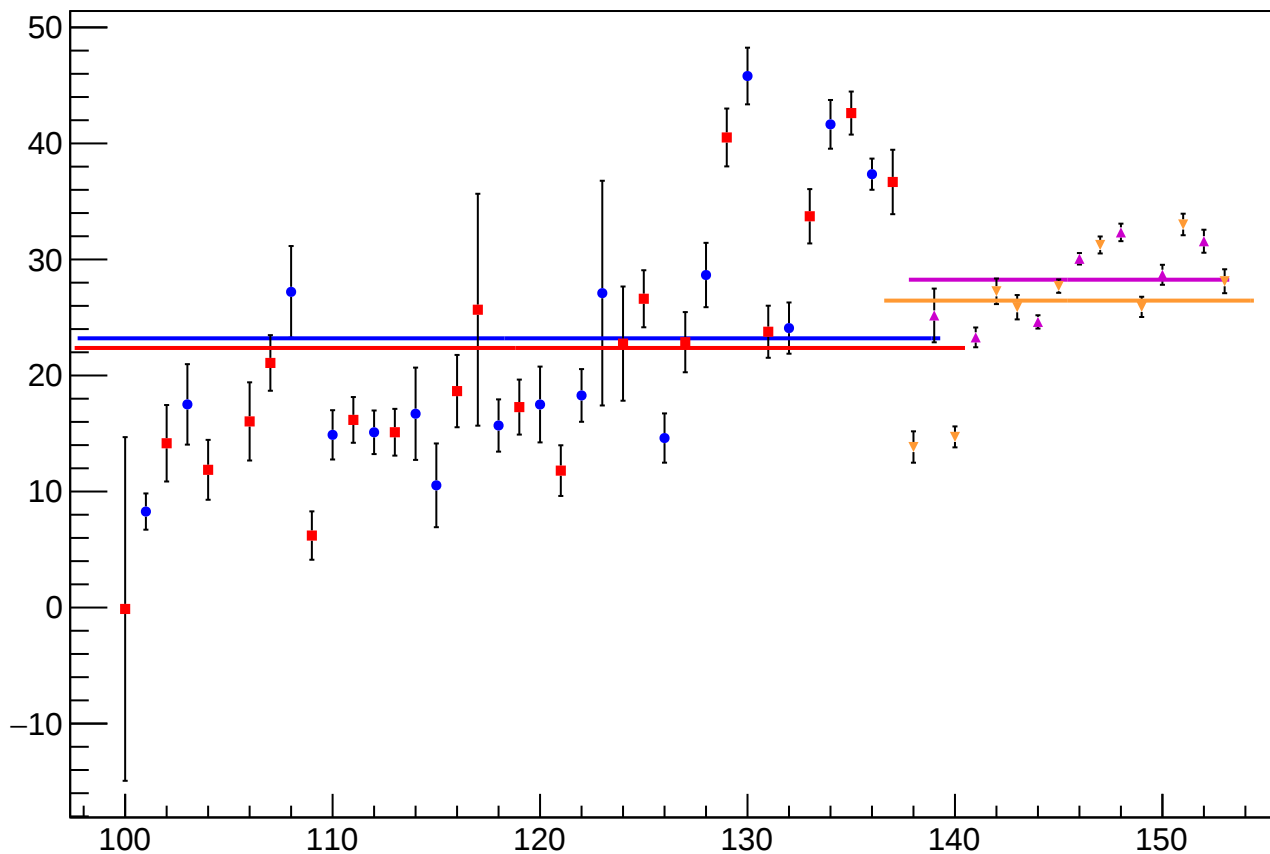
Right Out: -43.025 ± 0.876 $\chi^2/\text{NDF}: 249.7/19$

Left In: -68.611 ± 0.340 $\chi^2/\text{NDF}: 2702.5/6$

-67.944 ± 0.327 $\chi^2/\text{NDF}: 2904.0/25$

-65.262 ± 0.317 $\chi^2/\text{NDF}: 3693.5/26$

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 23.205 $\pm$ 0.559 χ^2 /NDF: 457.3/16

Left Out: 26.454 $\pm$ 0.291 χ^2 /NDF: 357.8/8

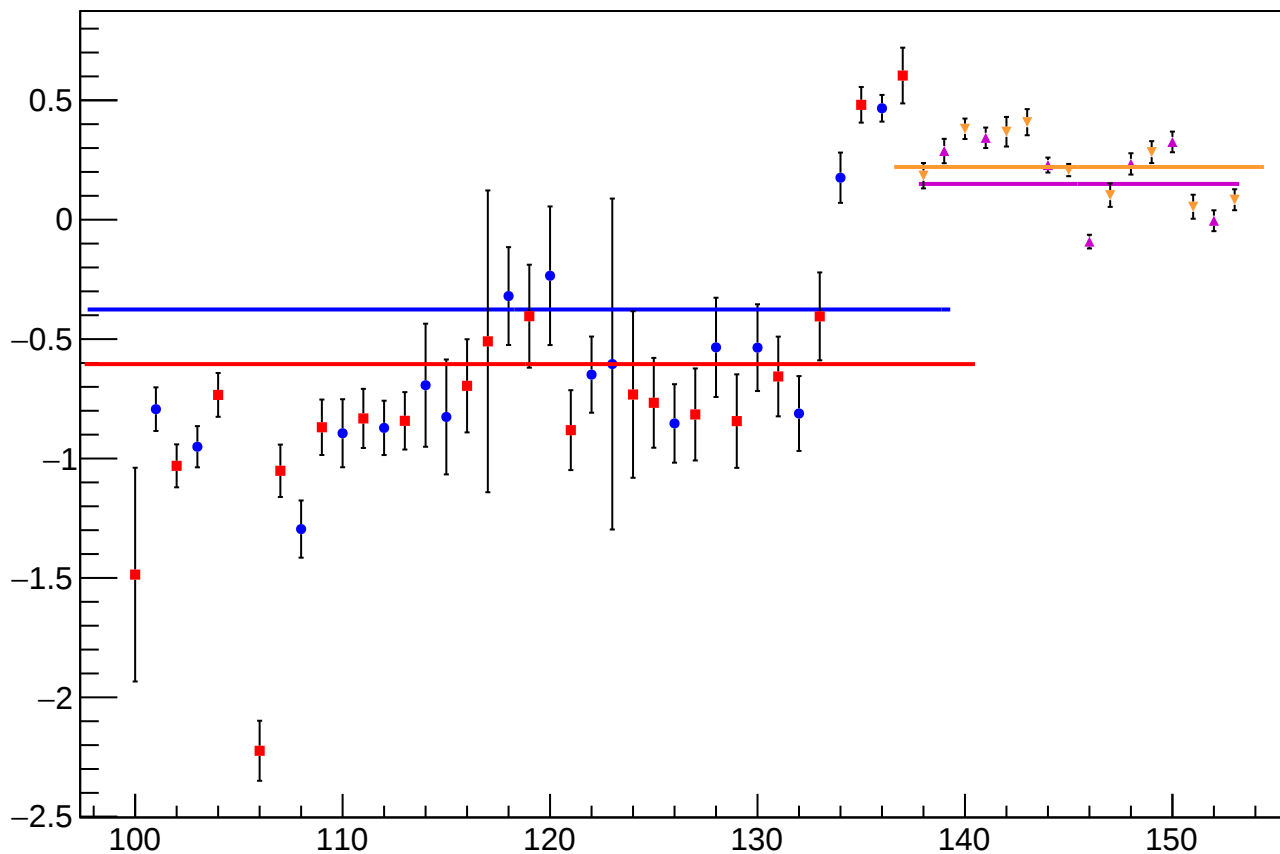
Right Out: 22.372 $\pm$ 0.572 χ^2 /NDF: 367.0/19

Left In: 28.256 $\pm$ 0.279 χ^2 /NDF: 129.8/6

25.760 $\pm$ 0.258 χ^2 /NDF: 841.7/25

27.120 $\pm$ 0.251 χ^2 /NDF: 582.3/26

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.376 ± 0.030 $\chi^2/\text{NDF}: 437.3/16$

Left Out: 0.221 ± 0.014 $\chi^2/\text{NDF}: 60.4/8$

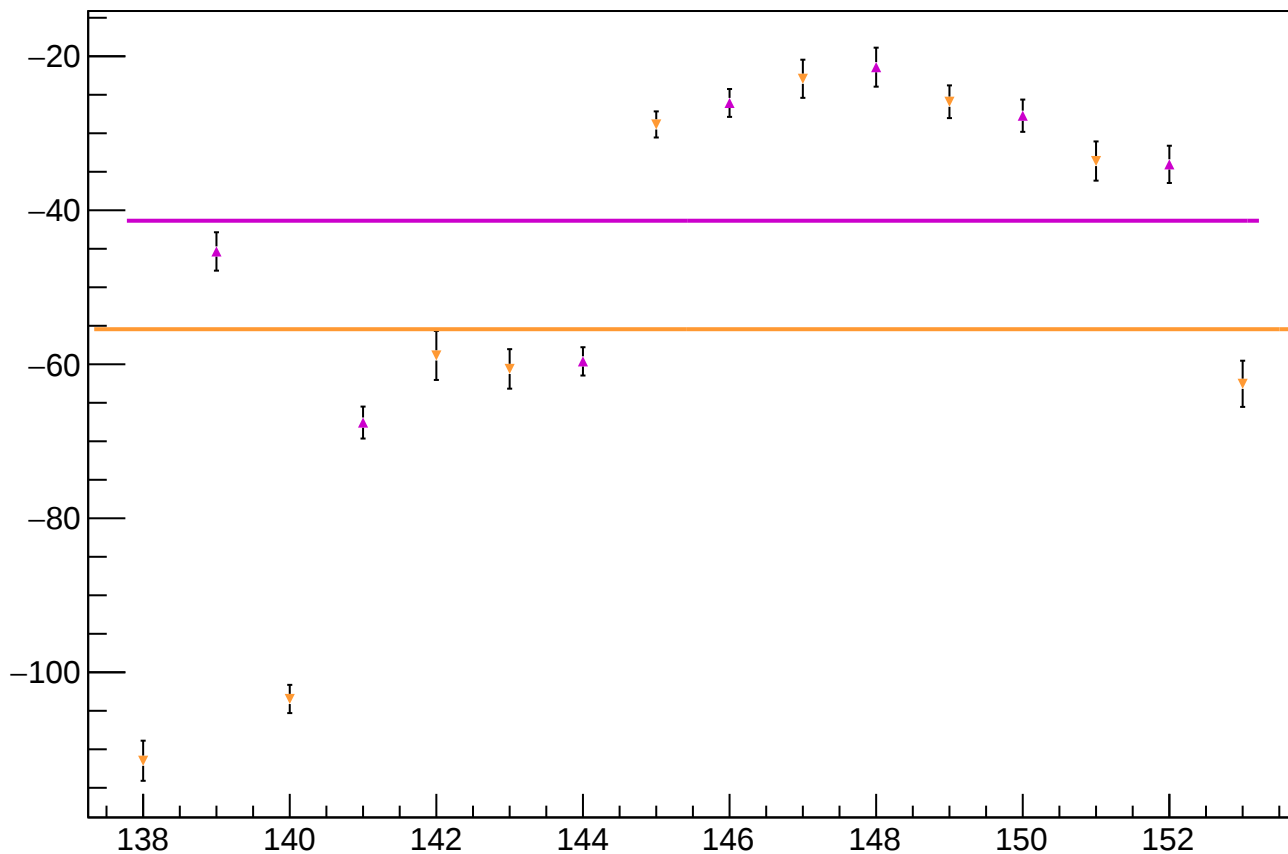
Right Out: -0.605 ± 0.030 $\chi^2/\text{NDF}: 551.2/19$

Left In: 0.150 ± 0.015 $\chi^2/\text{NDF}: 137.4/6$

0.109 ± 0.013 $\chi^2/\text{NDF}: 816.9/25$

0.008 ± 0.013 $\chi^2/\text{NDF}: 1195.4/26$

reg_asym_sam4_diff_bpm1X_slope vs Slug



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

Left Out: -55.444+/-0.768 χ^2/NDF : 1845.8/8

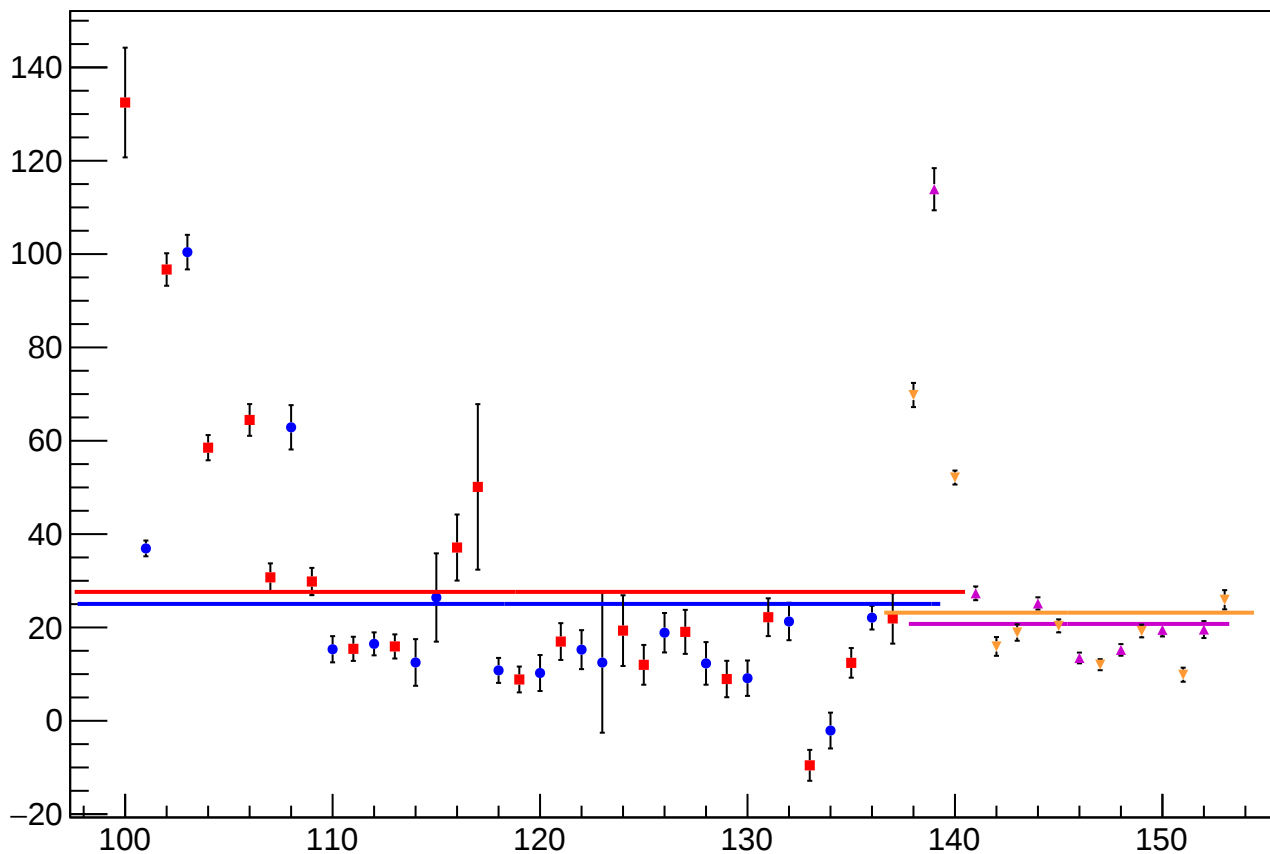
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -41.357+/-0.803 χ^2/NDF : 445.9/6

-55.444+/-0.768 χ^2/NDF : 1845.8/8

-41.357+/-0.803 χ^2/NDF : 445.9/6

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 25.045 $\pm$ 0.806 χ^2 /NDF: 686.4/16

Left Out: 23.167 $\pm$ 0.527 χ^2 /NDF: 895.3/8

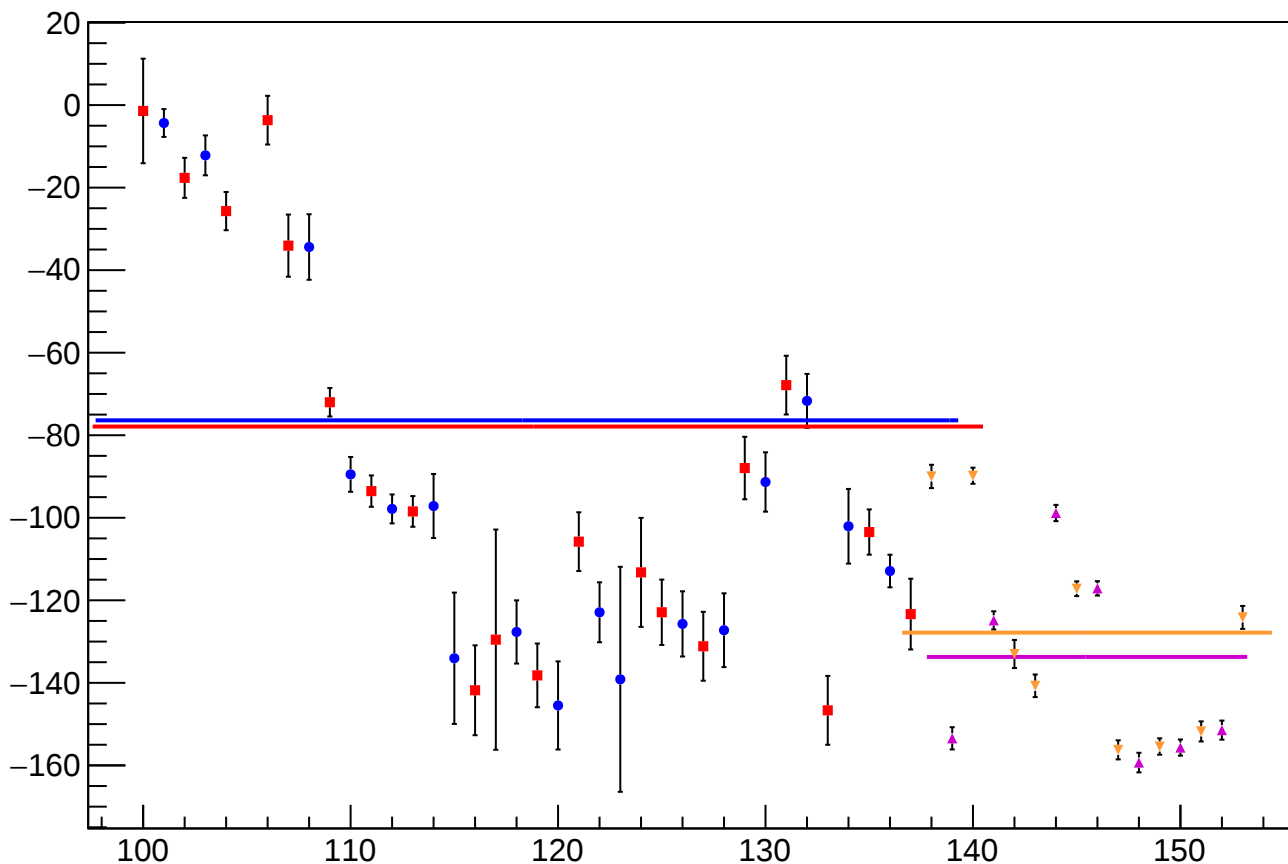
Right Out: 27.620 $\pm$ 0.809 χ^2 /NDF: 1014.4/19

Left In: 20.756 $\pm$ 0.552 χ^2 /NDF: 517.6/6

23.730 $\pm$ 0.441 χ^2 /NDF: 1585.6/25

22.934 $\pm$ 0.456 χ^2 /NDF: 1581.1/26

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -76.392 ± 1.416 χ^2/NDF : 1031.9/16

Left Out: -127.830 ± 0.777 χ^2/NDF : 1061.2/8

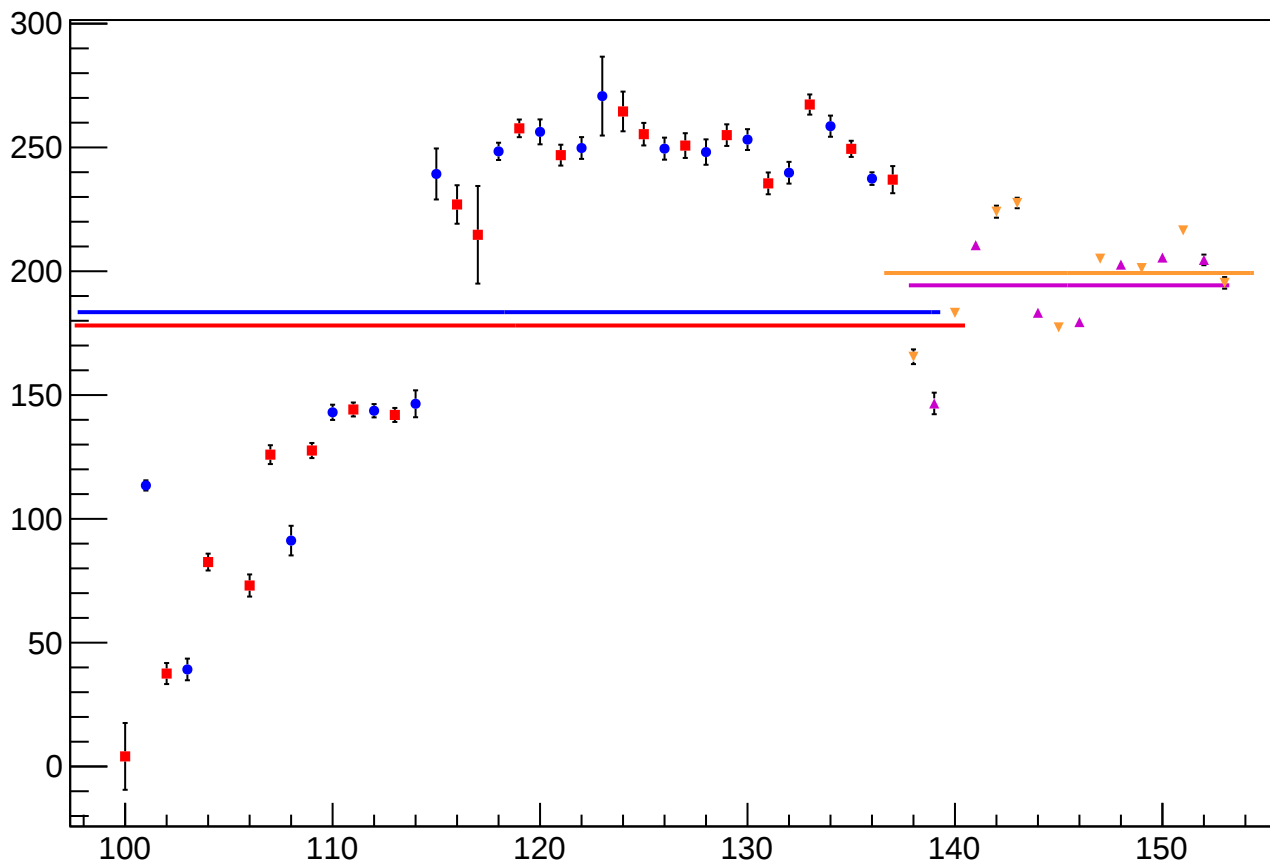
Right Out: -77.894 ± 1.351 χ^2/NDF : 876.4/19

Left In: -133.719 ± 0.802 χ^2/NDF : 774.9/6

-115.935 ± 0.681 χ^2/NDF : 3107.3/25

-119.182 ± 0.689 χ^2/NDF : 2914.0/26

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 183.478 $\pm$ 0.919 χ^2 /NDF: 5331.4/16

Left Out: 199.288 $\pm$ 0.646 χ^2 /NDF: 773.0/8

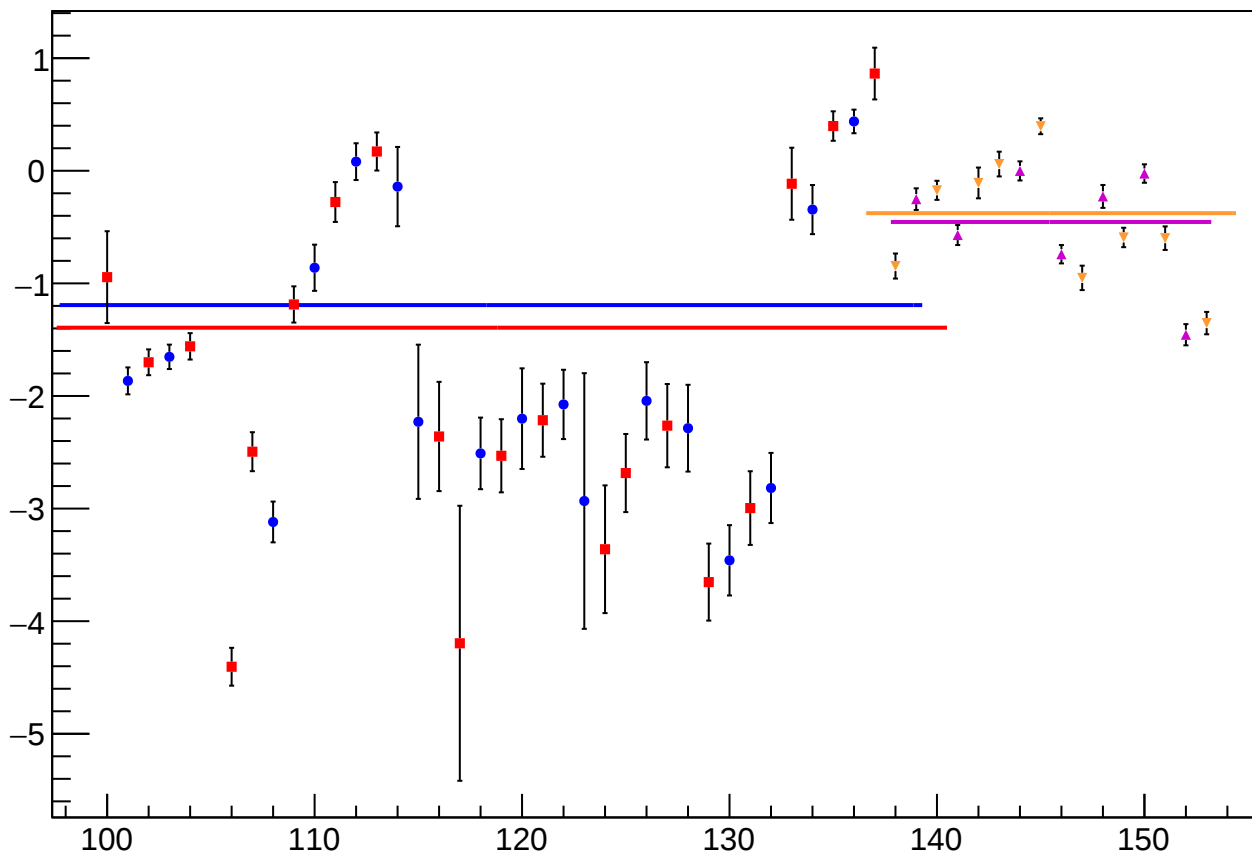
Right Out: 178.092 $\pm$ 0.923 χ^2 /NDF: 6349.2/19

Left In: 194.314 $\pm$ 0.675 χ^2 /NDF: 454.6/6

194.054 $\pm$ 0.529 χ^2 /NDF: 6302.5/25

188.657 $\pm$ 0.545 χ^2 /NDF: 7005.0/26

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.377 ± 0.032 χ^2/NDF : 298.9/8

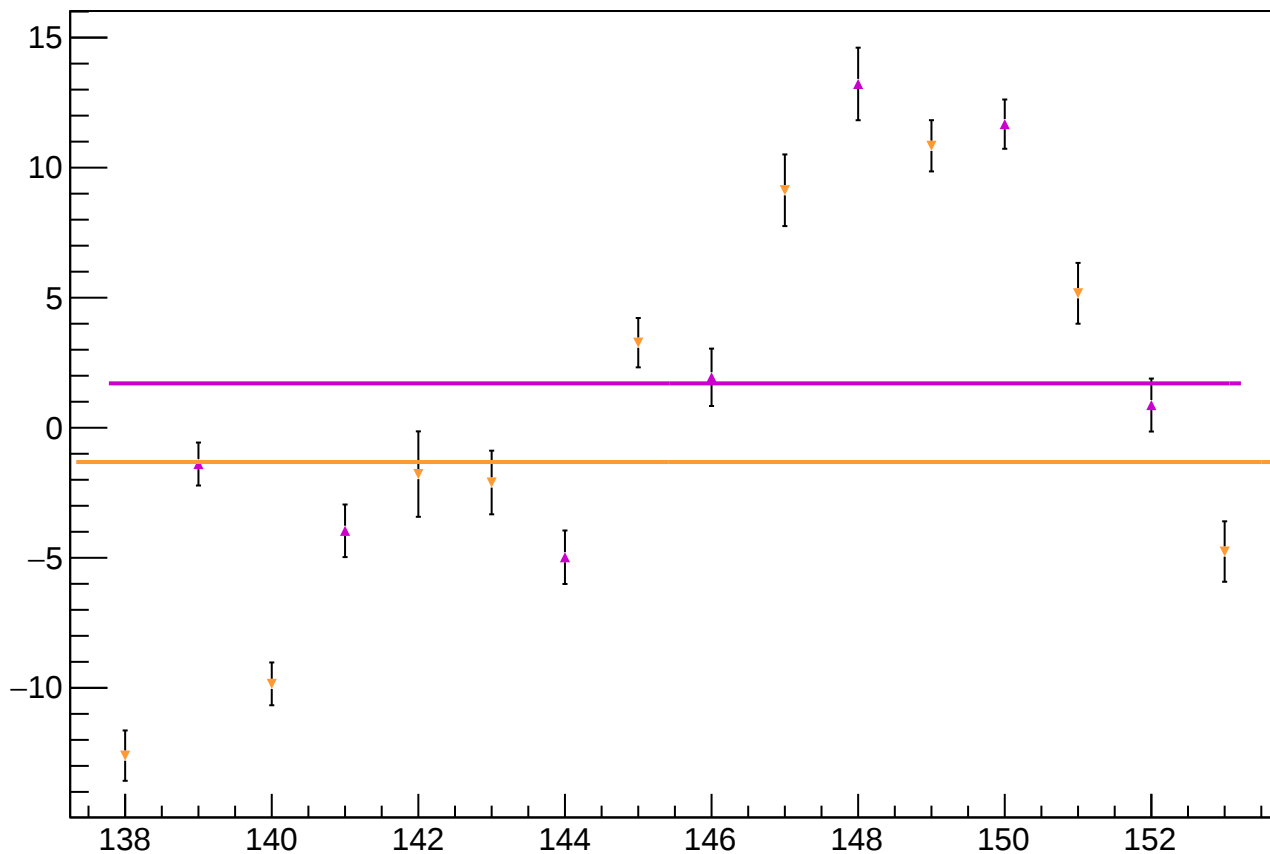
Right Out: -1.393 ± 0.046 χ^2/NDF : 925.8/19

Left In: -0.455 ± 0.034 χ^2/NDF : 192.7/6

-0.628 ± 0.027 χ^2/NDF : 1119.4/25

-0.784 ± 0.027 χ^2/NDF : 1391.3/26

reg_asym_sam5_diff_bpm1X_slope vs Slug



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

Left Out: -1.317+/-0.360 χ^2/NDF : 517.1/8

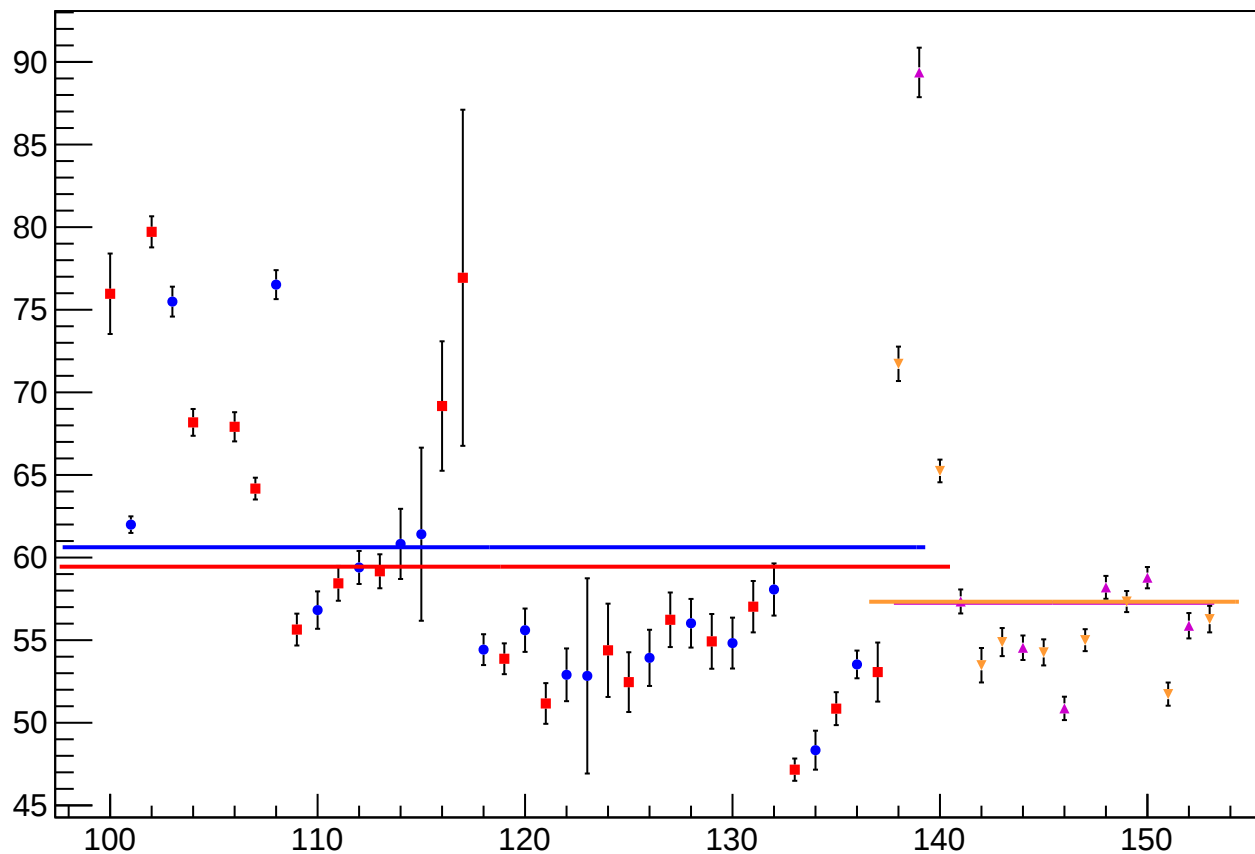
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1.706+/-0.383 χ^2/NDF : 267.3/6

-1.317+/-0.360 χ^2/NDF : 517.1/8

1.706+/-0.383 χ^2/NDF : 267.3/6

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 60.625 $\pm$ 0.263 χ^2 /NDF: 924.6/16

Left Out: 57.327 $\pm$ 0.256 χ^2 /NDF:438.8/8

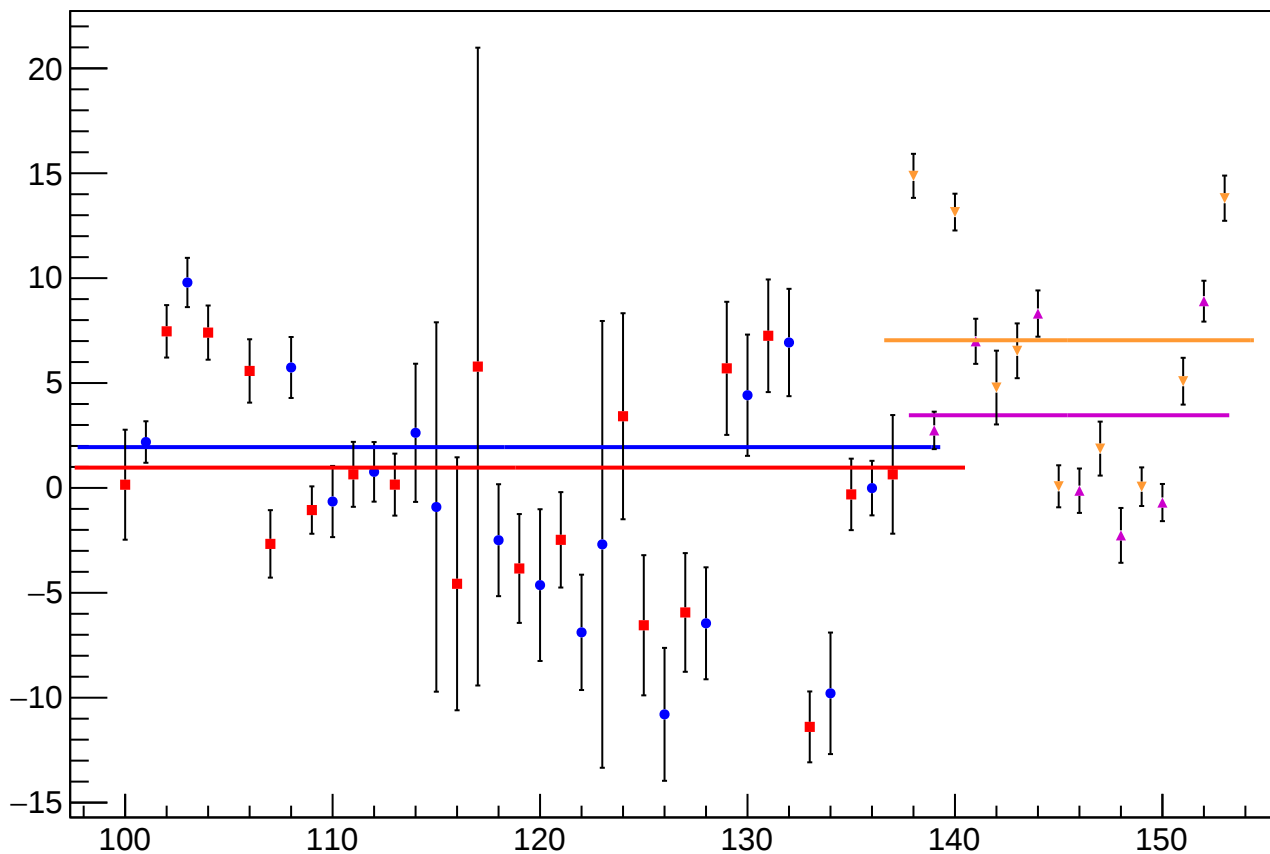
Right Out: 59.448 $\pm$ 0.248 χ^2 /NDF: 1326.3/19

Left In: 57.262 $\pm$ 0.285 χ^2 /NDF:564.9/6

58.931 $\pm$ 0.183 χ^2 /NDF: 1444.1/25

58.506 $\pm$ 0.187 χ^2 /NDF: 1924.7/26

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 1.945 ± 0.459 χ^2/NDF : 120.6/16

Left Out: 7.039 ± 0.364 χ^2/NDF : 270.5/8

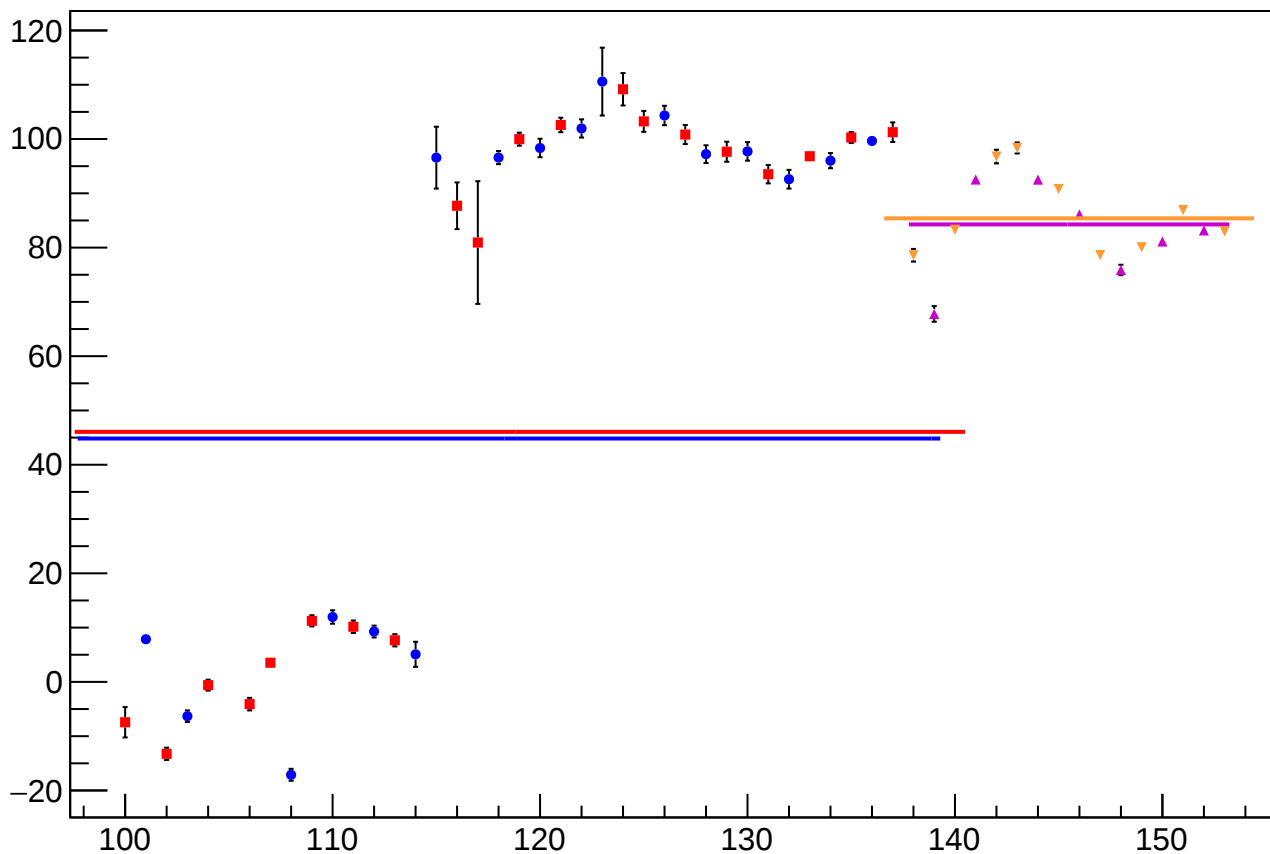
Right Out: 0.968 ± 0.424 χ^2/NDF : 149.6/19

Left In: 3.464 ± 0.385 χ^2/NDF : 114.7/6

5.074 ± 0.285 χ^2/NDF : 466.8/25

2.337 ± 0.285 χ^2/NDF : 283.3/26

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 44.829 ± 0.305 χ^2/NDF : 24763.1/16

Left Out: 85.391 ± 0.310 χ^2/NDF : 434.0/8

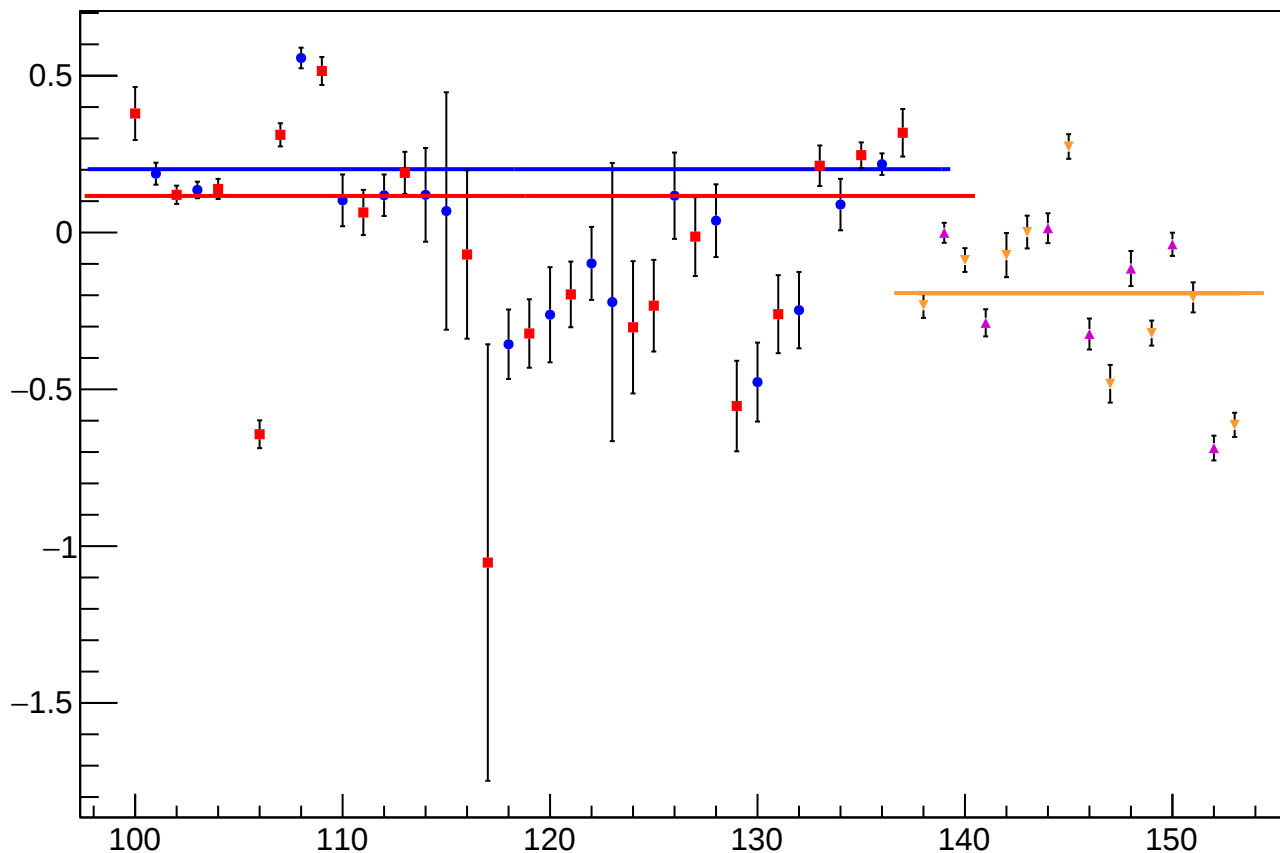
Right Out: 46.062 ± 0.289 χ^2/NDF : 28272.9/19

Left In: 84.272 ± 0.342 χ^2/NDF : 410.6/6

64.756 ± 0.217 χ^2/NDF : 33905.5/25

61.989 ± 0.221 χ^2/NDF : 35950.7/26

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.202 ± 0.014 χ^2/NDF : 216.0/16

Left Out: -0.193 ± 0.015 χ^2/NDF : 319.5/8

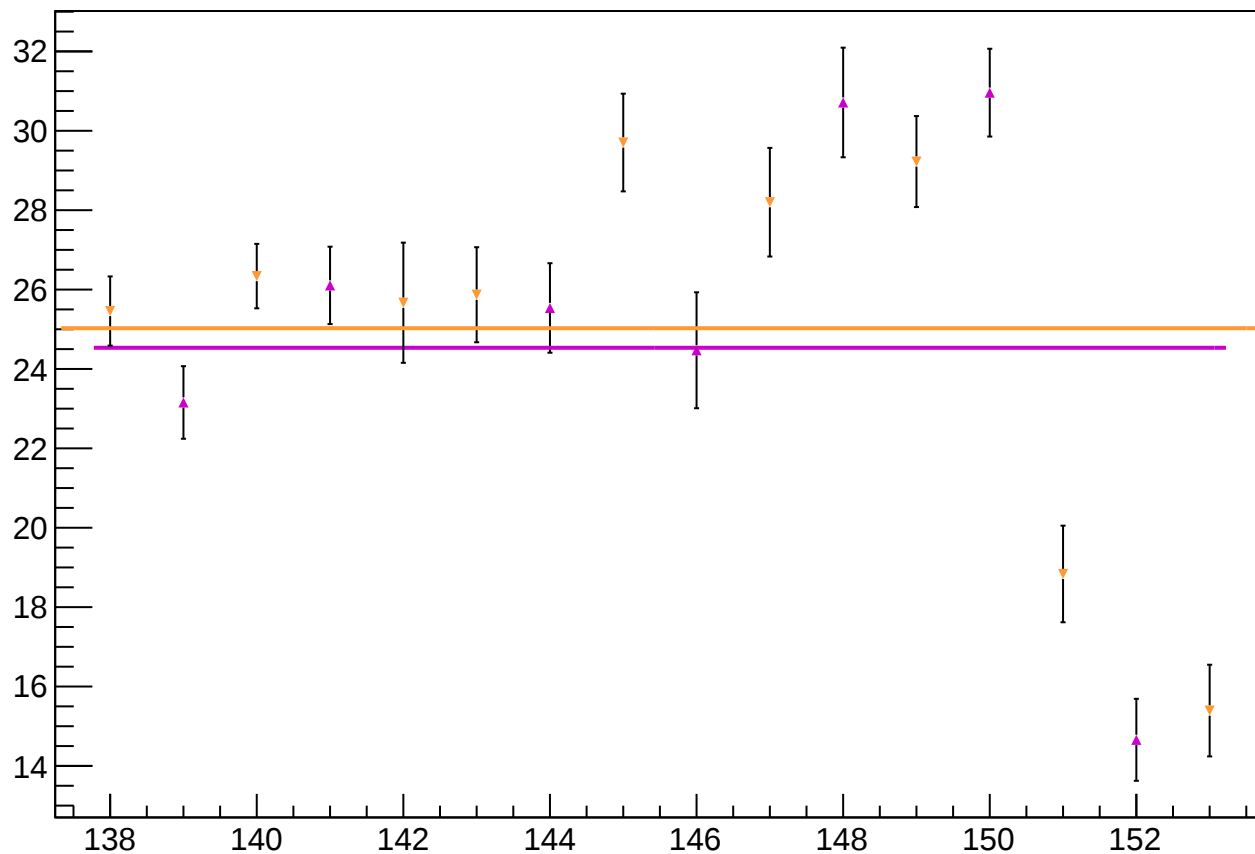
Right Out: 0.117 ± 0.013 χ^2/NDF : 502.5/19

Left In: -0.194 ± 0.016 χ^2/NDF : 243.2/6

0.015 ± 0.010 χ^2/NDF : 908.4/25

-0.010 ± 0.010 χ^2/NDF : 977.0/26

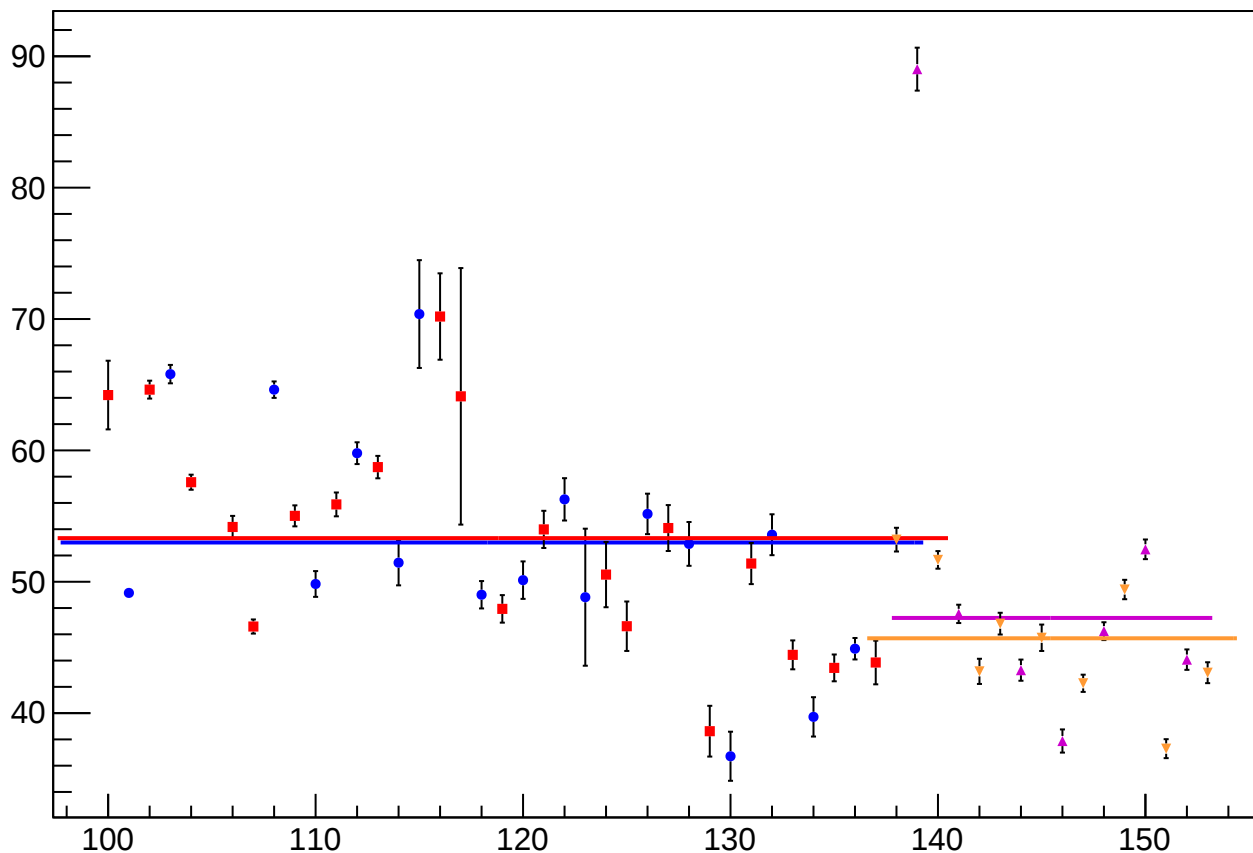
reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
Left Out: 25.027 $\pm$ 0.369 χ^2 /NDF:132.3/8
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
Left In: 24.534 $\pm$ 0.416 χ^2 /NDF:150.9/6

25.027 $\pm$ 0.369 χ^2 /NDF: 132.3/8
24.534 $\pm$ 0.416 χ^2 /NDF: 150.9/6

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 52.989 $\pm$ 0.211 χ^2/NDF : 1198.0/16

Left Out: 45.697 $\pm$ 0.261 χ^2/NDF : 356.1/8

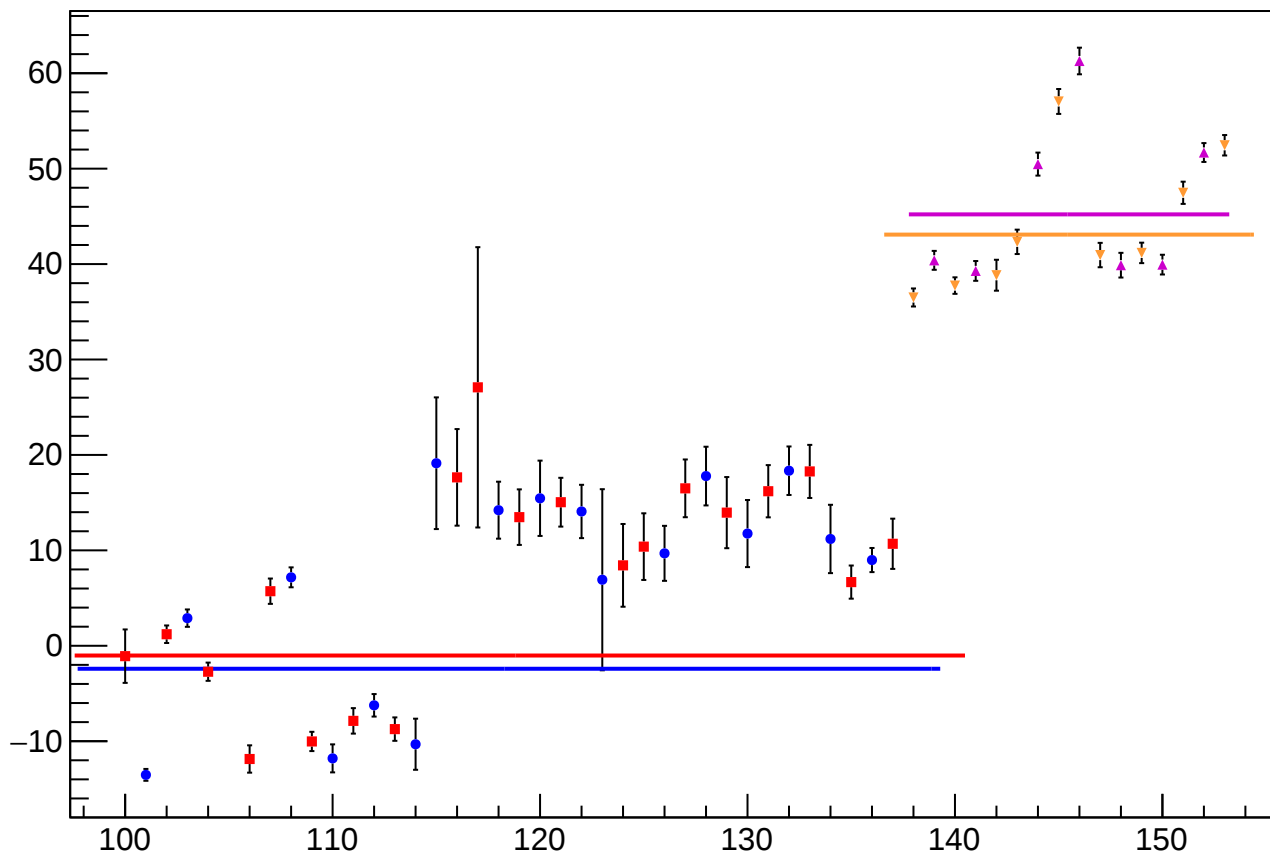
Right Out: 53.320 $\pm$ 0.227 χ^2/NDF : 876.8/19

Left In: 47.246 $\pm$ 0.303 χ^2/NDF : 858.0/6

50.112 $\pm$ 0.164 χ^2/NDF : 2026.0/25

51.144 $\pm$ 0.182 χ^2/NDF : 1992.1/26

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: -2.409+/-0.364 χ^2/NDF : 834.6/16

Left Out: 43.089+/-0.375 χ^2/NDF :304.9/8

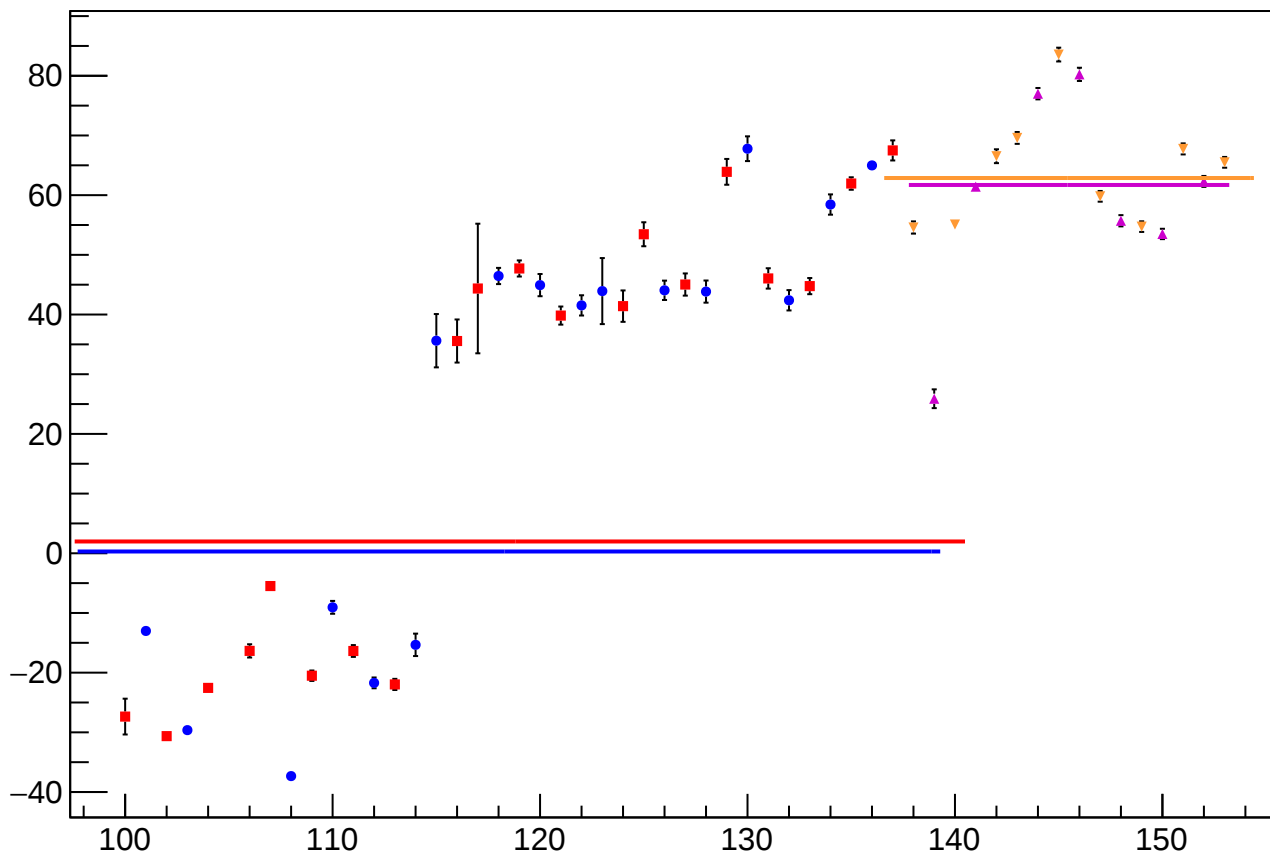
Right Out: -1.021+/-0.377 χ^2/NDF : 511.2/19

Left In: 45.208+/-0.419 χ^2/NDF :294.0/6

19.711+/-0.261 χ^2/NDF : 8722.1/25

19.678+/-0.280 χ^2/NDF : 7540.3/26

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.300 ± 0.247 $\chi^2/\text{NDF}: 18259.2/16$

Left Out: 62.874 ± 0.318 $\chi^2/\text{NDF}: 666.0/8$

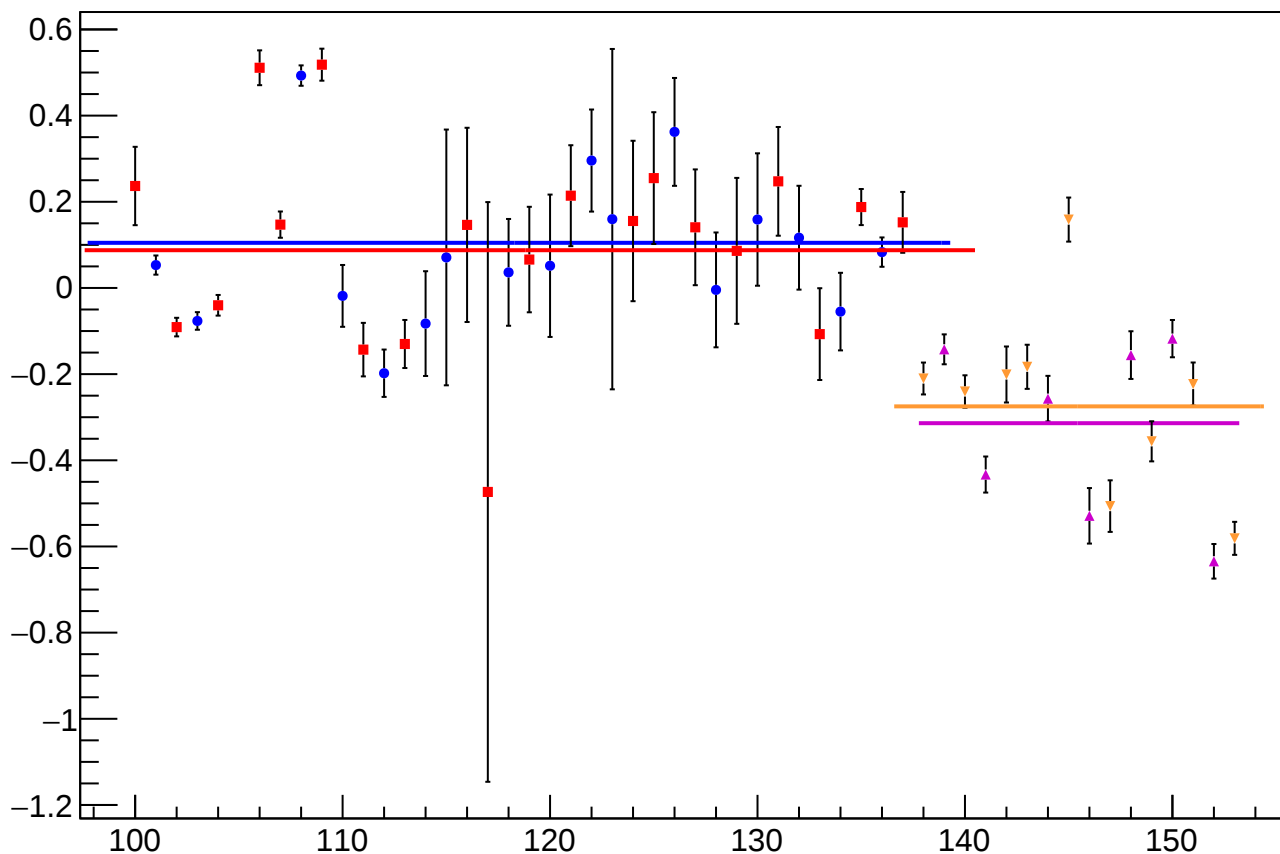
Right Out: 1.978 ± 0.267 $\chi^2/\text{NDF}: 15465.9/19$

Left In: 61.707 ± 0.368 $\chi^2/\text{NDF}: 1184.7/6$

23.894 ± 0.195 $\chi^2/\text{NDF}: 43042.8/25$

22.530 ± 0.216 $\chi^2/\text{NDF}: 33928.5/26$

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.105 ± 0.011 $\chi^2/\text{NDF}: 400.8/16$

Left Out: -0.275 ± 0.015 $\chi^2/\text{NDF}: 163.3/8$

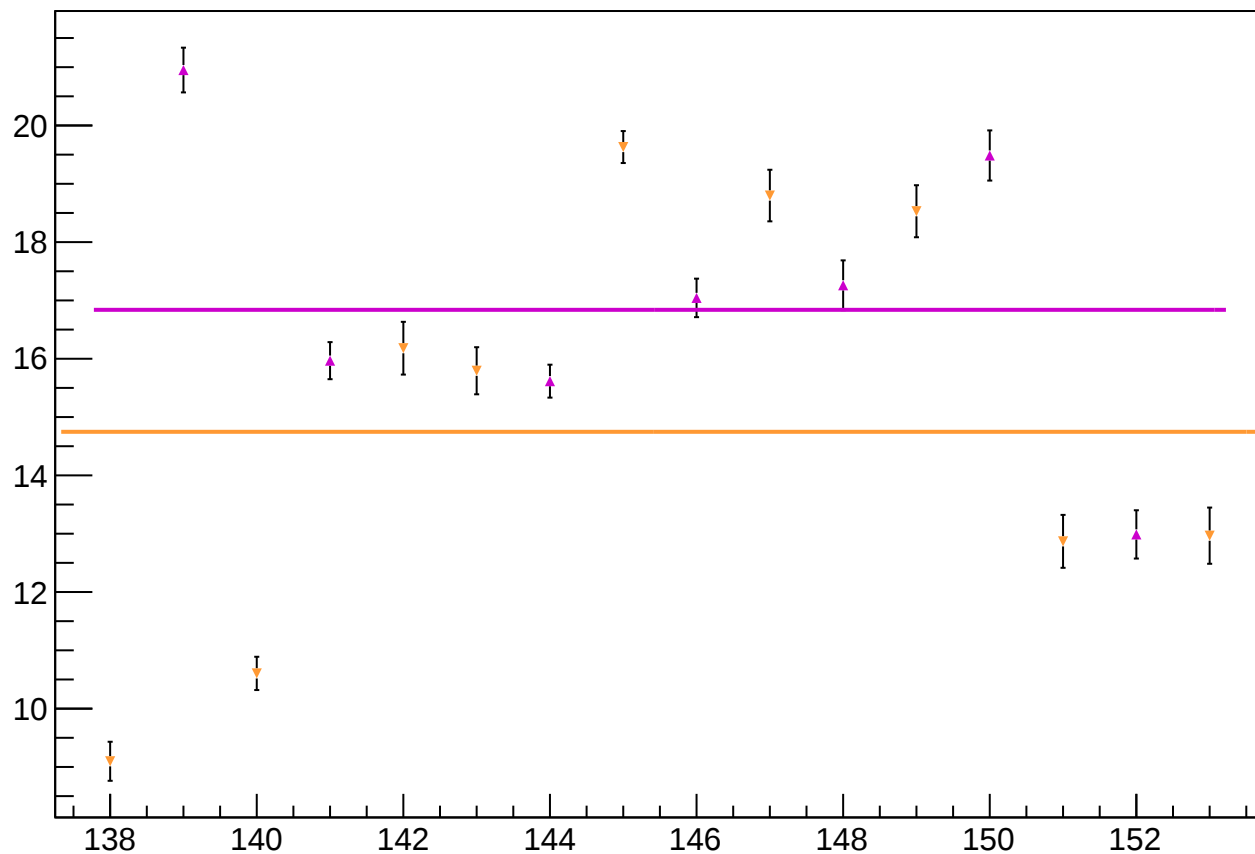
Right Out: 0.088 ± 0.011 $\chi^2/\text{NDF}: 391.6/19$

Left In: -0.314 ± 0.017 $\chi^2/\text{NDF}: 137.3/6$

-0.025 ± 0.009 $\chi^2/\text{NDF}: 968.2/25$

-0.032 ± 0.009 $\chi^2/\text{NDF}: 923.4/26$

reg_asym_sam7_diff_bpm1X_slope vs Slug



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

Left Out: 14.747+/-0.124 χ^2/NDF : 1016.7/8

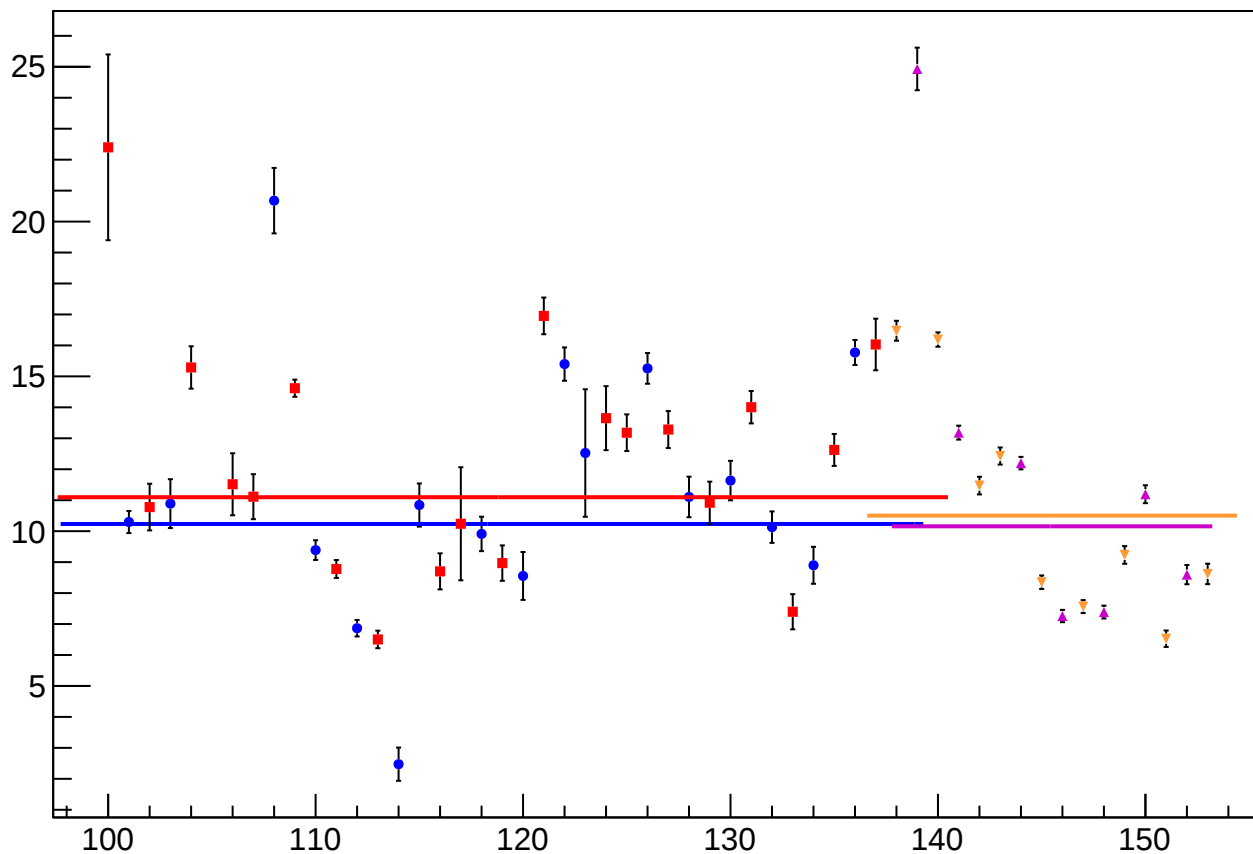
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 16.839+/-0.135 χ^2/NDF : 266.9/6

14.747+/-0.124 χ^2/NDF : 1016.7/8

16.839+/-0.135 χ^2/NDF : 266.9/6

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.232 $\pm$ 0.119 χ^2 /NDF: 876.7/16

Left Out: 10.503 $\pm$ 0.087 χ^2 /NDF:1578.0/8

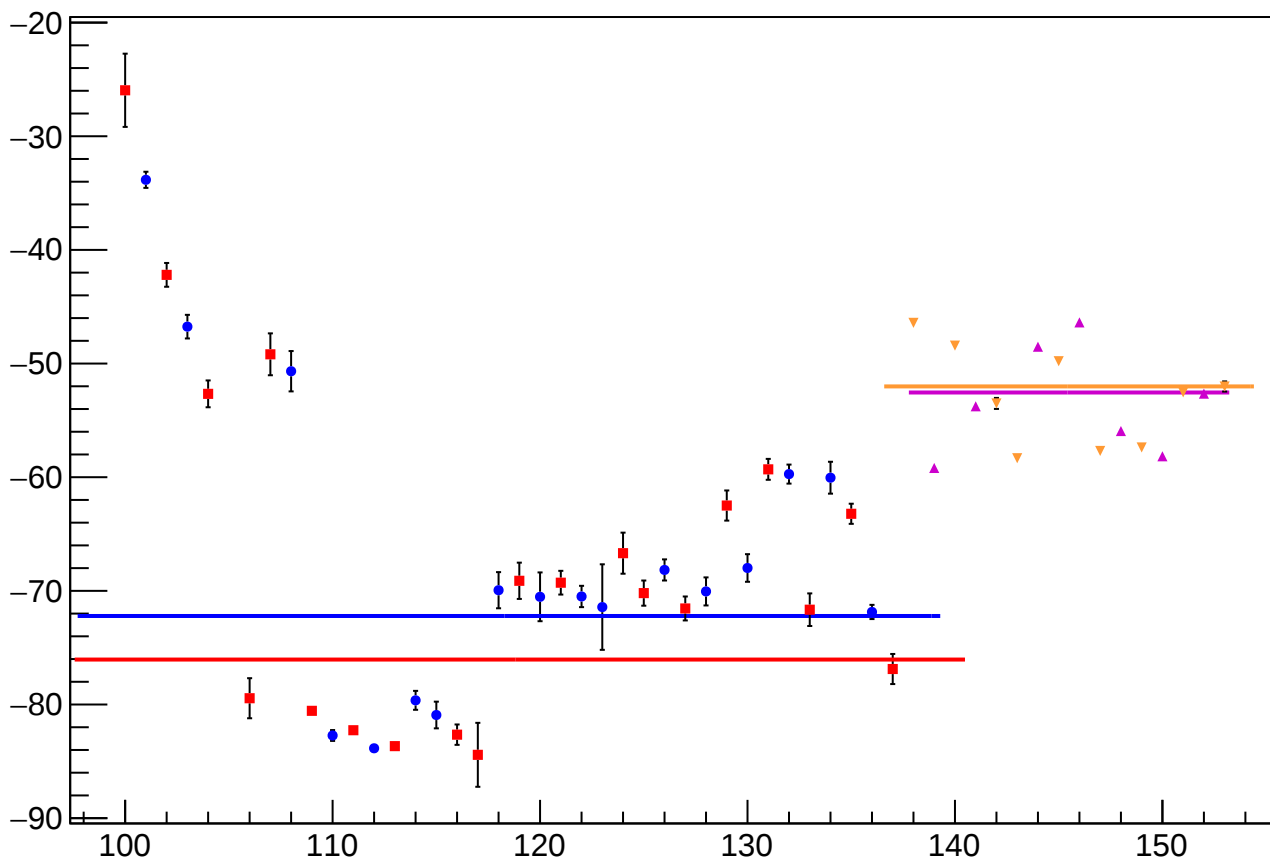
Right Out: 11.096 $\pm$ 0.116 χ^2 /NDF: 818.0/19

Left In: 10.156 $\pm$ 0.092 χ^2 /NDF:1173.2/6

10.409 $\pm$ 0.070 χ^2 /NDF: 2458.1/25

10.520 $\pm$ 0.072 χ^2 /NDF: 2031.4/26

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -72.211 $\pm$ 0.198 χ^2 /NDF: 5566.2/16

Left Out: -52.012 $\pm$ 0.127 χ^2 /NDF:1015.5/8

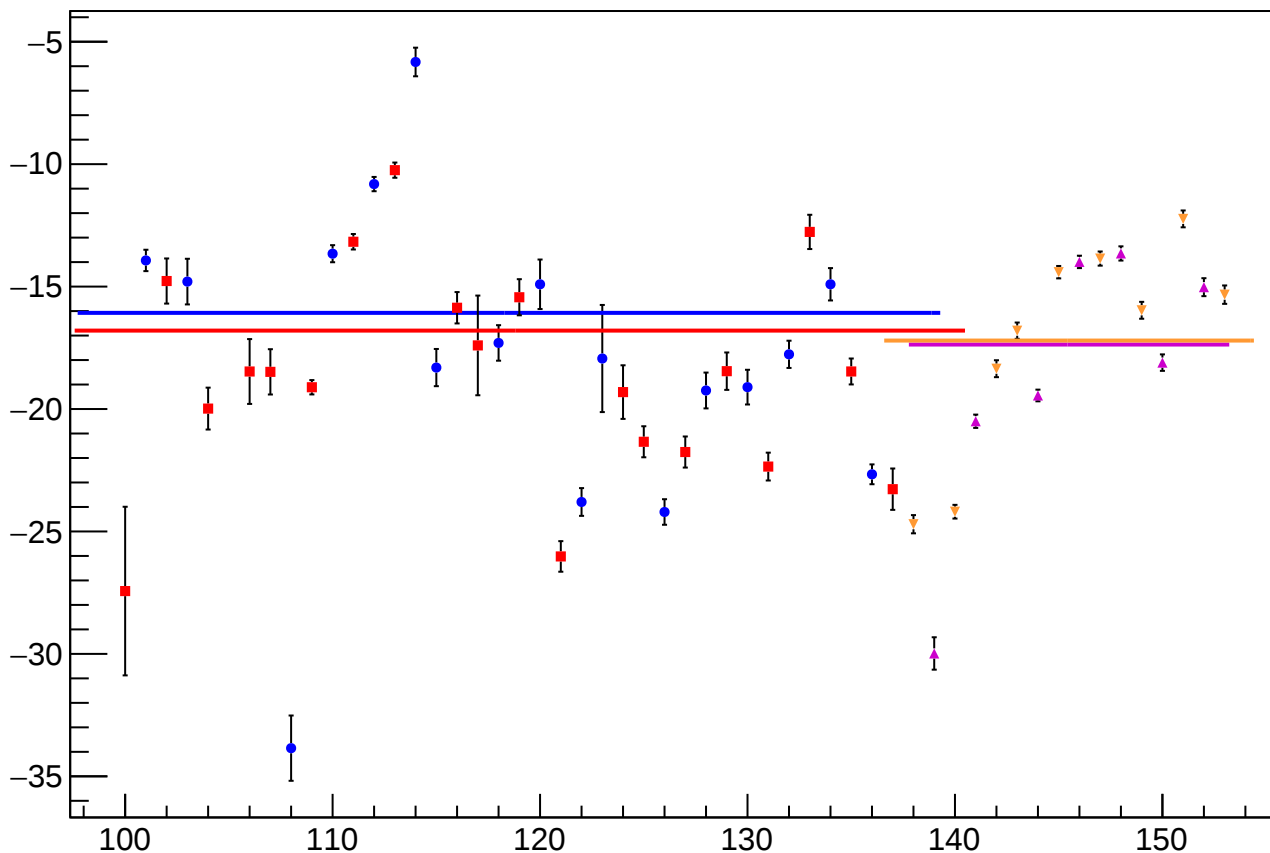
Right Out: -76.044 $\pm$ 0.181 χ^2 /NDF: 3472.2/19

Left In: -52.547 $\pm$ 0.136 χ^2 /NDF:1091.2/6

-57.922 $\pm$ 0.107 χ^2 /NDF: 13944.7/25

-61.032 $\pm$ 0.109 χ^2 /NDF: 15376.7/26

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.073 ± 0.133 $\chi^2/\text{NDF}: 1640.5/16$

Left Out: -17.204 ± 0.106 $\chi^2/\text{NDF}: 1543.4/8$

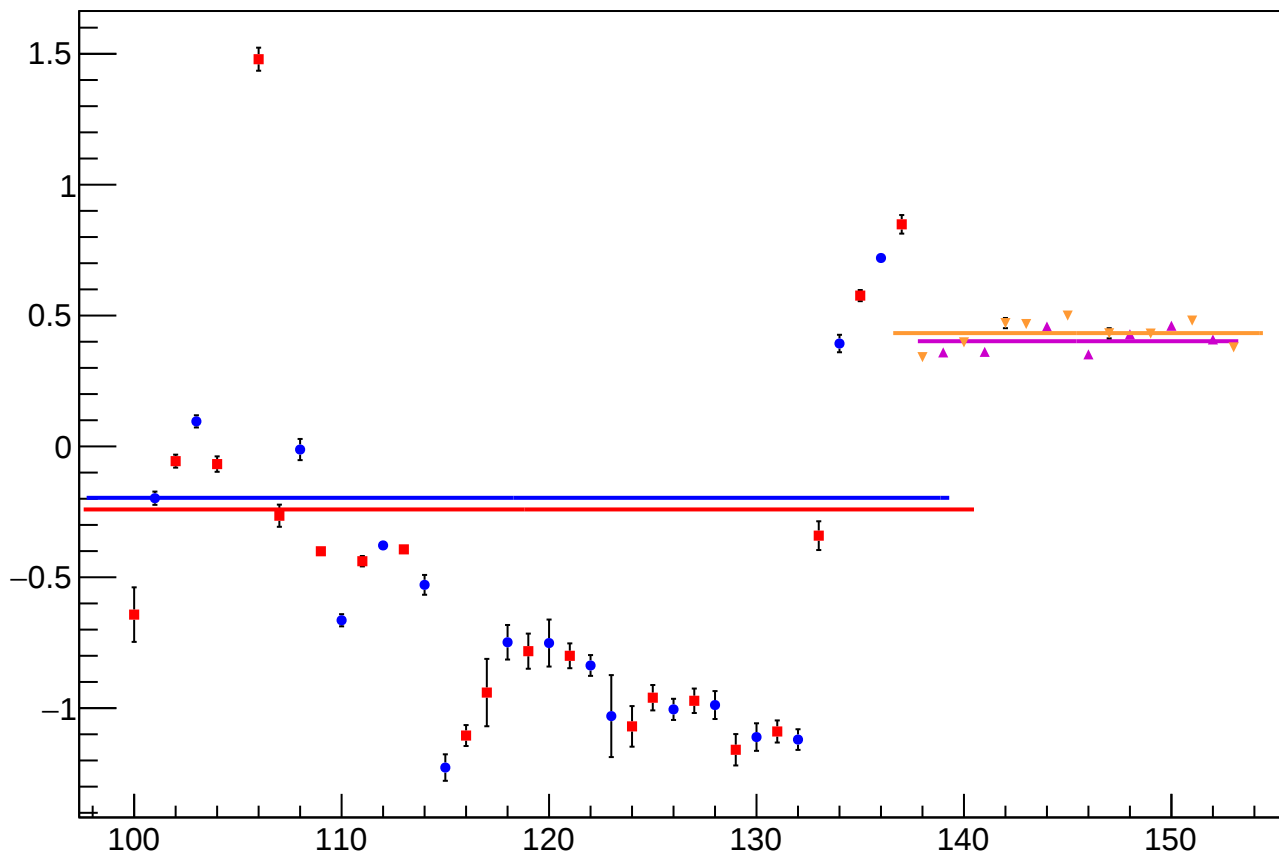
Right Out: -16.797 ± 0.128 $\chi^2/\text{NDF}: 1216.1/19$

Left In: -17.366 ± 0.114 $\chi^2/\text{NDF}: 959.8/6$

-16.762 ± 0.083 $\chi^2/\text{NDF}: 3228.3/25$

-17.115 ± 0.085 $\chi^2/\text{NDF}: 2186.9/26$

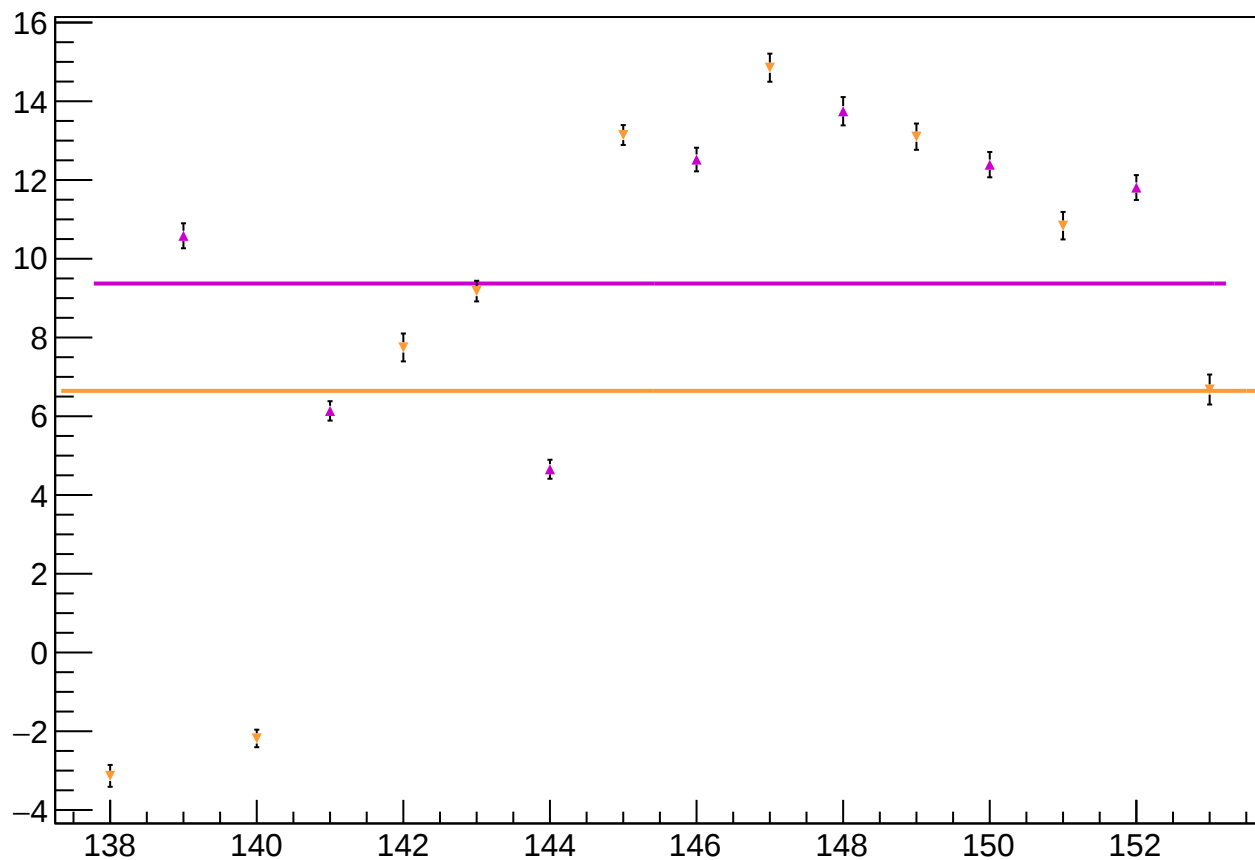
reg_asym_sam7_diff_bpm12X_slope vs Slug



0.229 ± 0.004 $\chi^2/\text{NDF}: 11130.1/25$

0.155 ± 0.004 $\chi^2/\text{NDF}: 11233.7/26$

reg_asym_sam8_diff_bpm1X_slope vs Slug

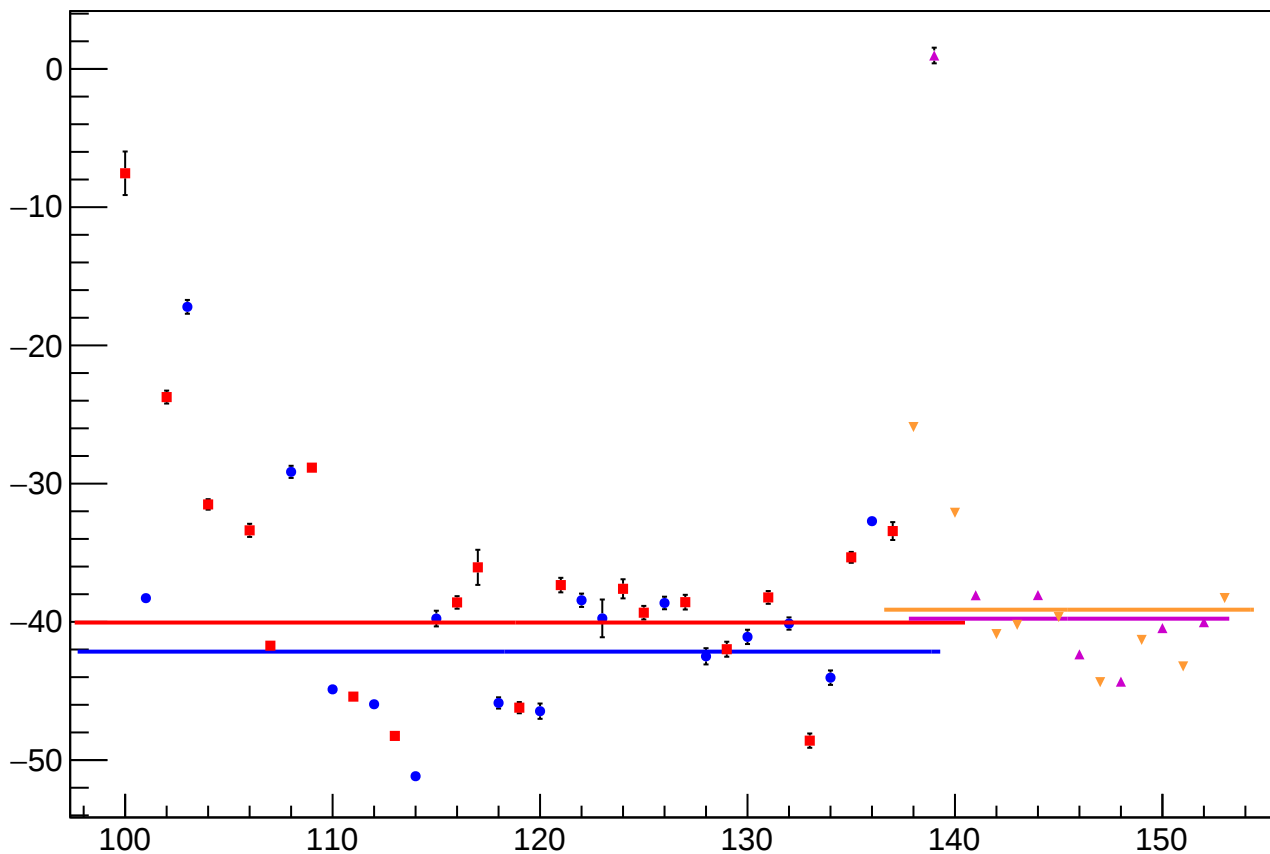


Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: 6.645+/-0.098 χ^2/NDF : 4627.2/8
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: 9.371+/-0.110 χ^2/NDF : 976.5/6

6.645+/-0.098 χ^2/NDF : 4627.2/8

9.371+/-0.110 χ^2/NDF : 976.5/6

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -42.153 $\pm$ 0.078 χ^2/NDF : 6557.8/16

Left Out: -39.119 $\pm$ 0.068 χ^2/NDF : 5481.5/8

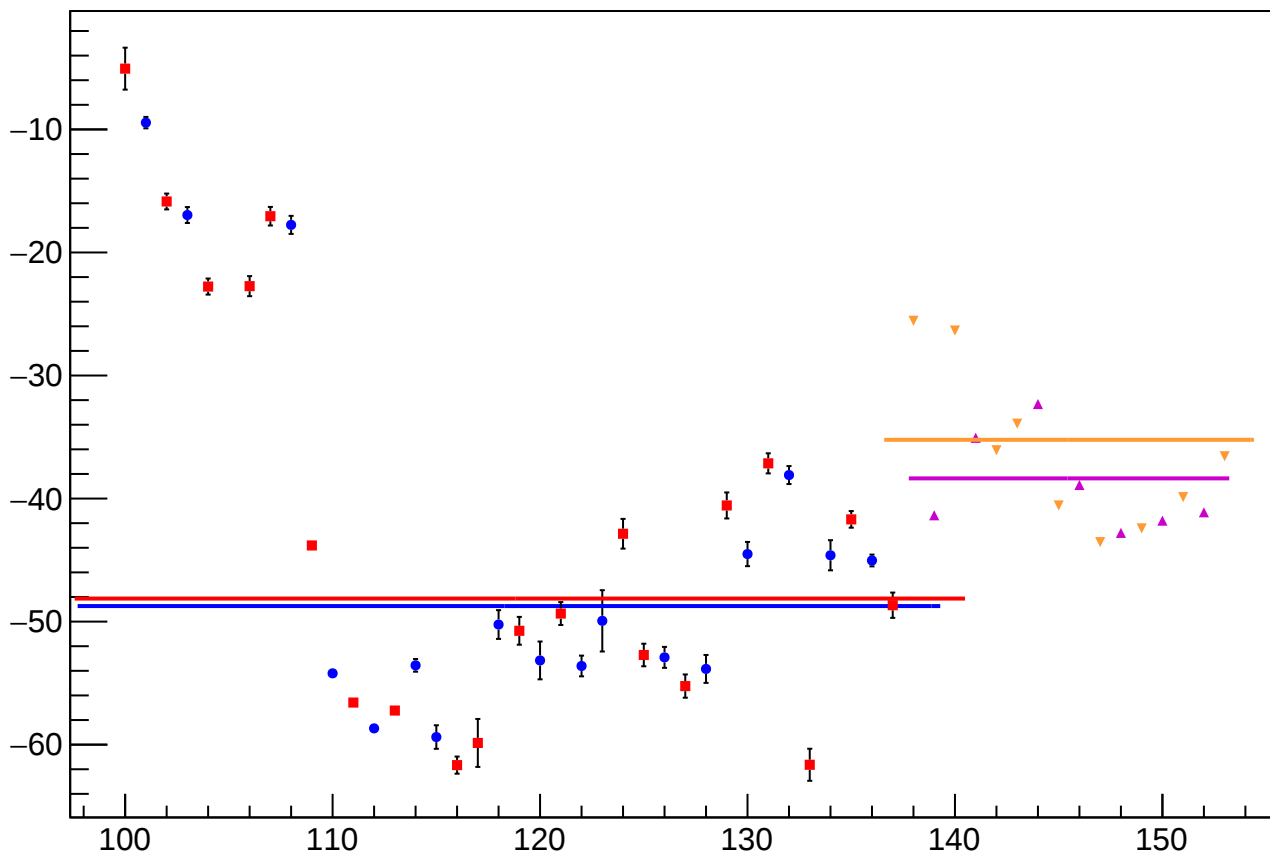
Right Out: -40.049 $\pm$ 0.073 χ^2/NDF : 11332.1/19

Left In: -39.770 $\pm$ 0.077 χ^2/NDF : 6232.8/6

-40.437 $\pm$ 0.051 χ^2/NDF : 12894.6/25

-39.917 $\pm$ 0.053 χ^2/NDF : 17571.9/26

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -48.737 $\pm$ 0.125 χ^2/NDF : 14658.1/16

Left Out: -35.224 $\pm$ 0.101 χ^2/NDF : 4223.6/8

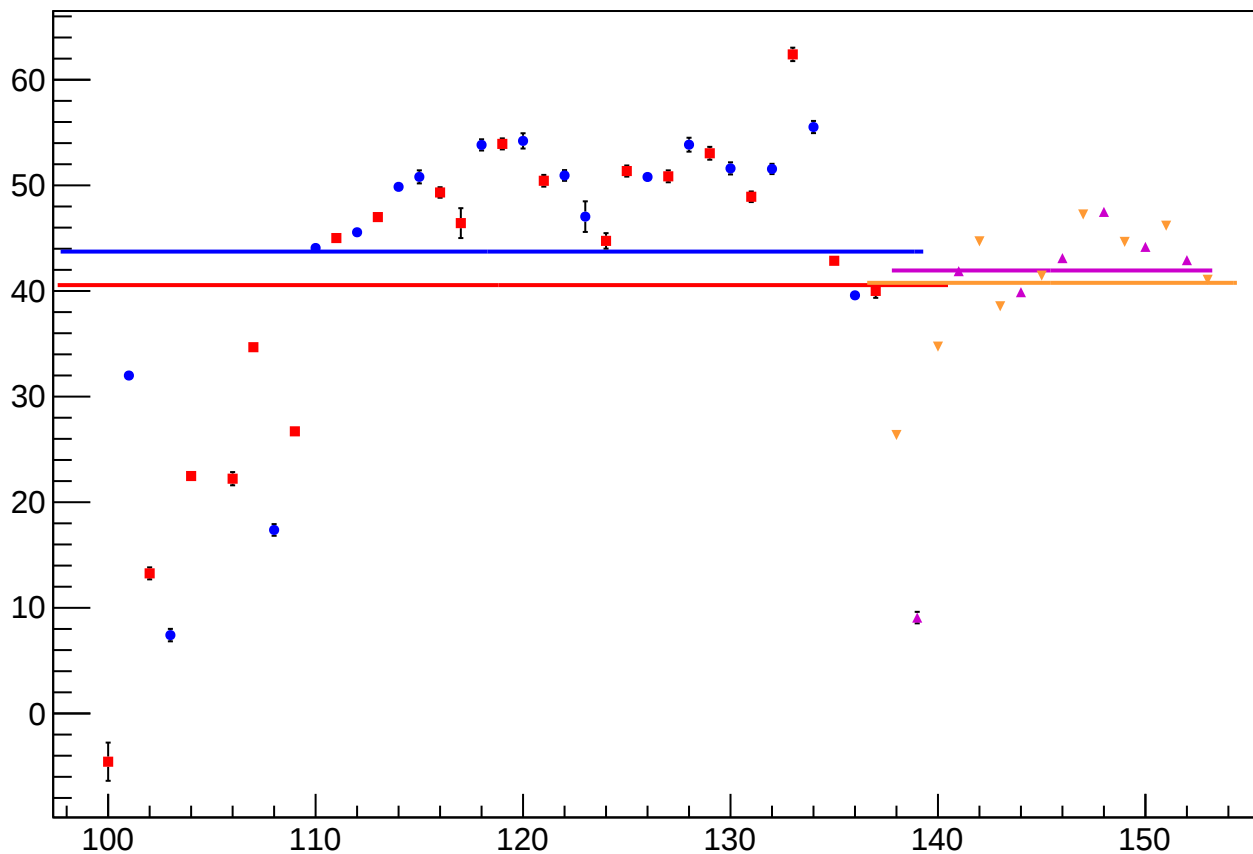
Right Out: -48.127 $\pm$ 0.107 χ^2/NDF : 11769.6/19

Left In: -38.361 $\pm$ 0.111 χ^2/NDF : 1173.5/6

-40.560 $\pm$ 0.078 χ^2/NDF : 26003.2/25

-43.425 $\pm$ 0.077 χ^2/NDF : 16948.6/26

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 43.731+/-0.087 χ^2/NDF : 10567.7/16

Left Out: 40.772+/-0.084 χ^2/NDF : 4646.5/8

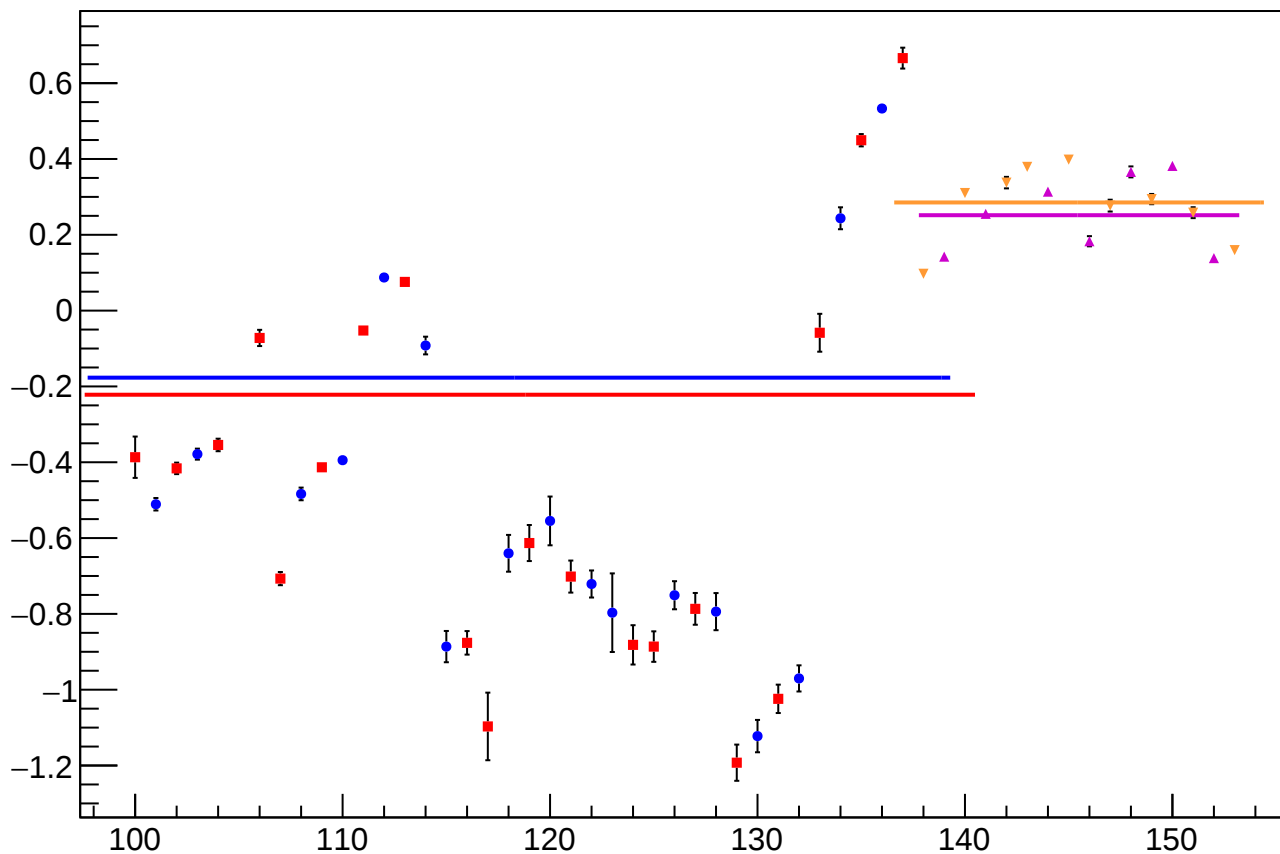
Right Out: 40.556+/-0.080 χ^2/NDF : 17618.6/19

Left In: 41.942+/-0.094 χ^2/NDF : 4363.5/6

42.195+/-0.060 χ^2/NDF : 15816.6/25

41.140+/-0.061 χ^2/NDF : 22108.2/26

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.177 ± 0.005 χ^2/NDF : 7364.7/16

Left Out: 0.285 ± 0.004 χ^2/NDF : 554.6/8

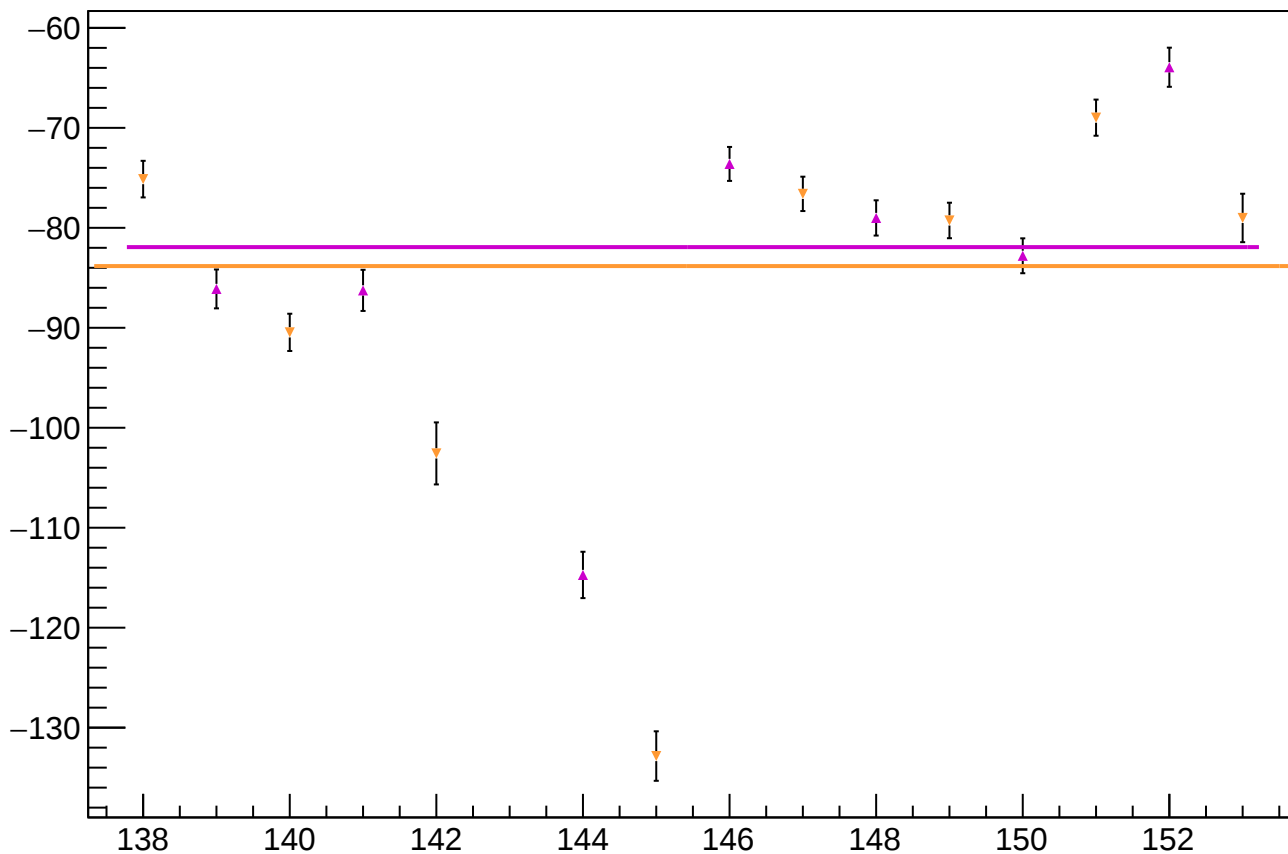
Right Out: -0.222 ± 0.004 χ^2/NDF : 7527.0/19

Left In: 0.252 ± 0.005 χ^2/NDF : 393.0/6

0.090 ± 0.003 χ^2/NDF : 13185.9/25

-0.002 ± 0.003 χ^2/NDF : 13560.2/26

reg_asym_usl_diff_bpm1X_slope vs Slug



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

Left Out: -83.827+/-0.710 χ^2/NDF : 559.3/7

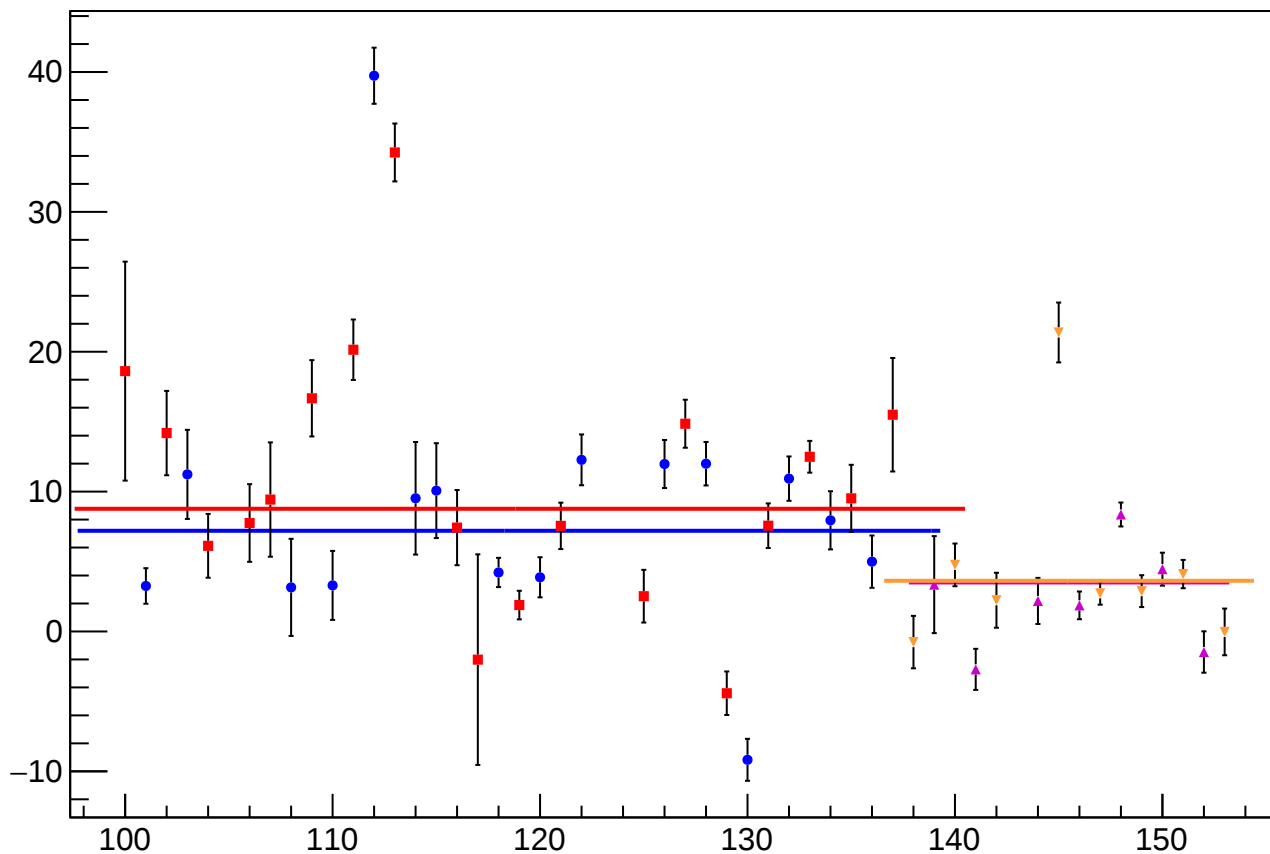
-83.827+/-0.710 χ^2/NDF : 559.3/7

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

-81.929+/-0.717 χ^2/NDF : 320.7/6

Left In: -81.929+/-0.717 χ^2/NDF : 320.7/6

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.199 ± 0.440 χ^2/NDF : 443.8/15

Left Out: 3.624 ± 0.456 χ^2/NDF : 82.0/7

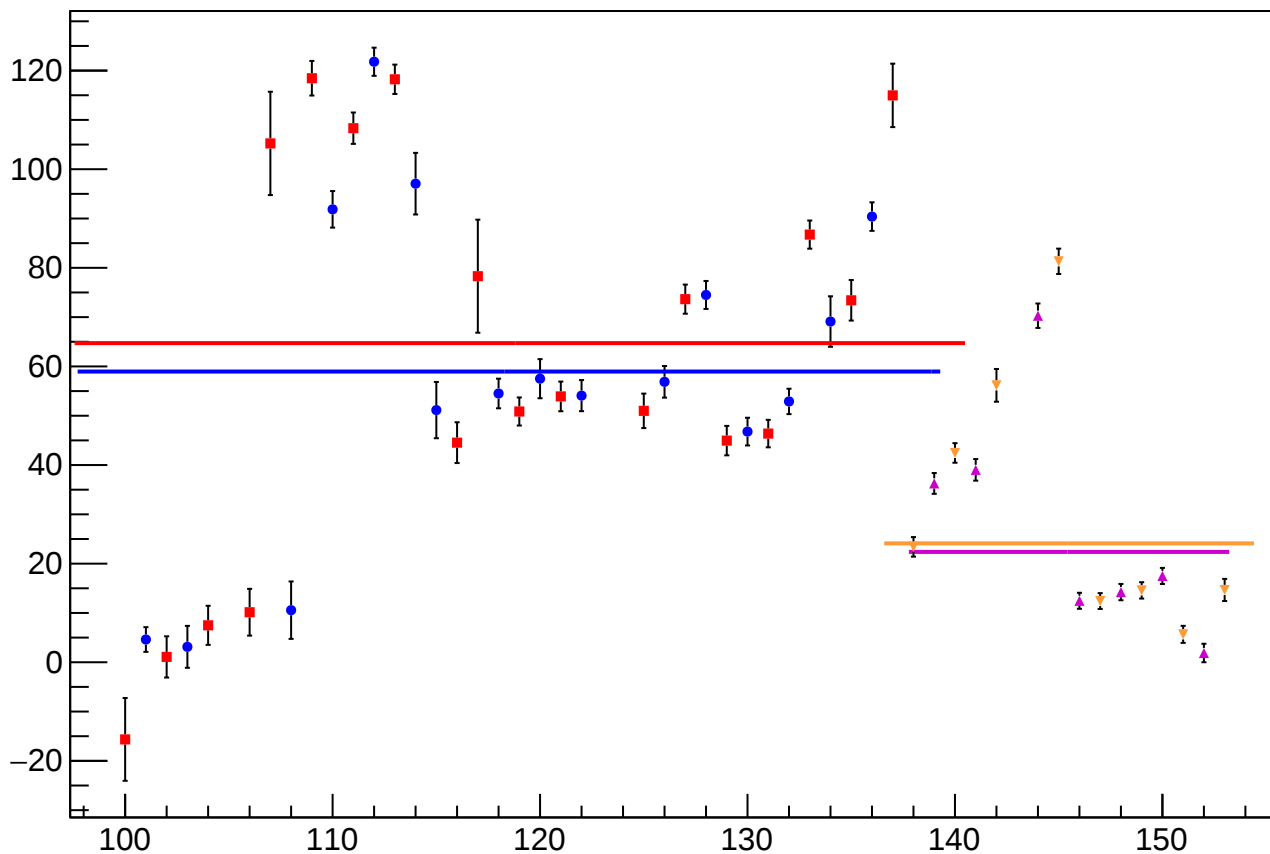
Right Out: 8.772 ± 0.447 χ^2/NDF : 351.7/18

Left In: 3.503 ± 0.473 χ^2/NDF : 65.4/6

5.479 ± 0.317 χ^2/NDF : 557.6/23

6.285 ± 0.325 χ^2/NDF : 482.8/25

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 58.962±0.837 χ^2/NDF : 1496.5/15

Left Out: 24.112±0.701 χ^2/NDF : 892.5/7

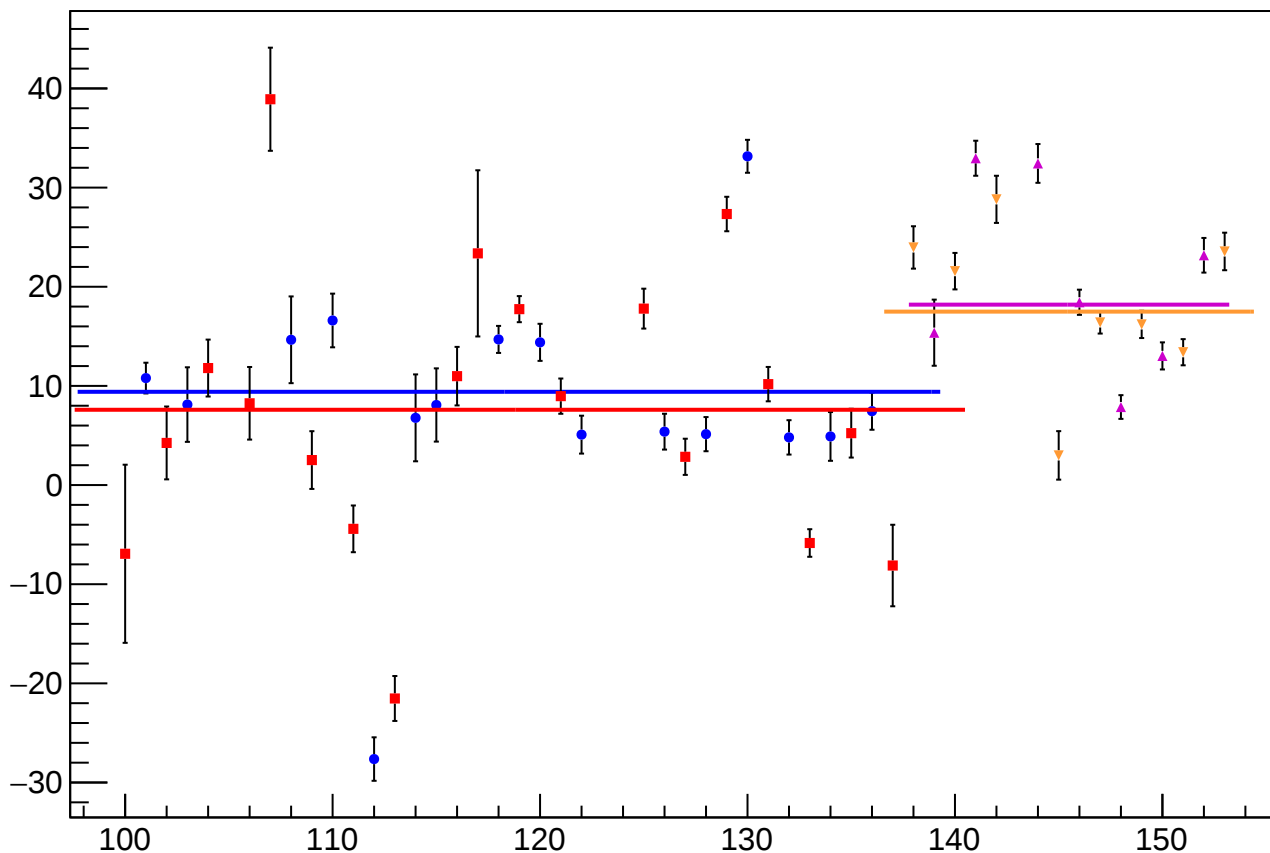
Right Out: 64.728±0.838 χ^2/NDF : 1723.2/18

Left In: 22.380±0.707 χ^2/NDF : 664.9/6

38.482±0.537 χ^2/NDF : 3407.9/23

39.992±0.540 χ^2/NDF : 3880.5/25

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.405 ± 0.507 $\chi^2/\text{NDF}: 549.5/15$

Left Out: 17.492 ± 0.574 $\chi^2/\text{NDF}: 93.6/7$

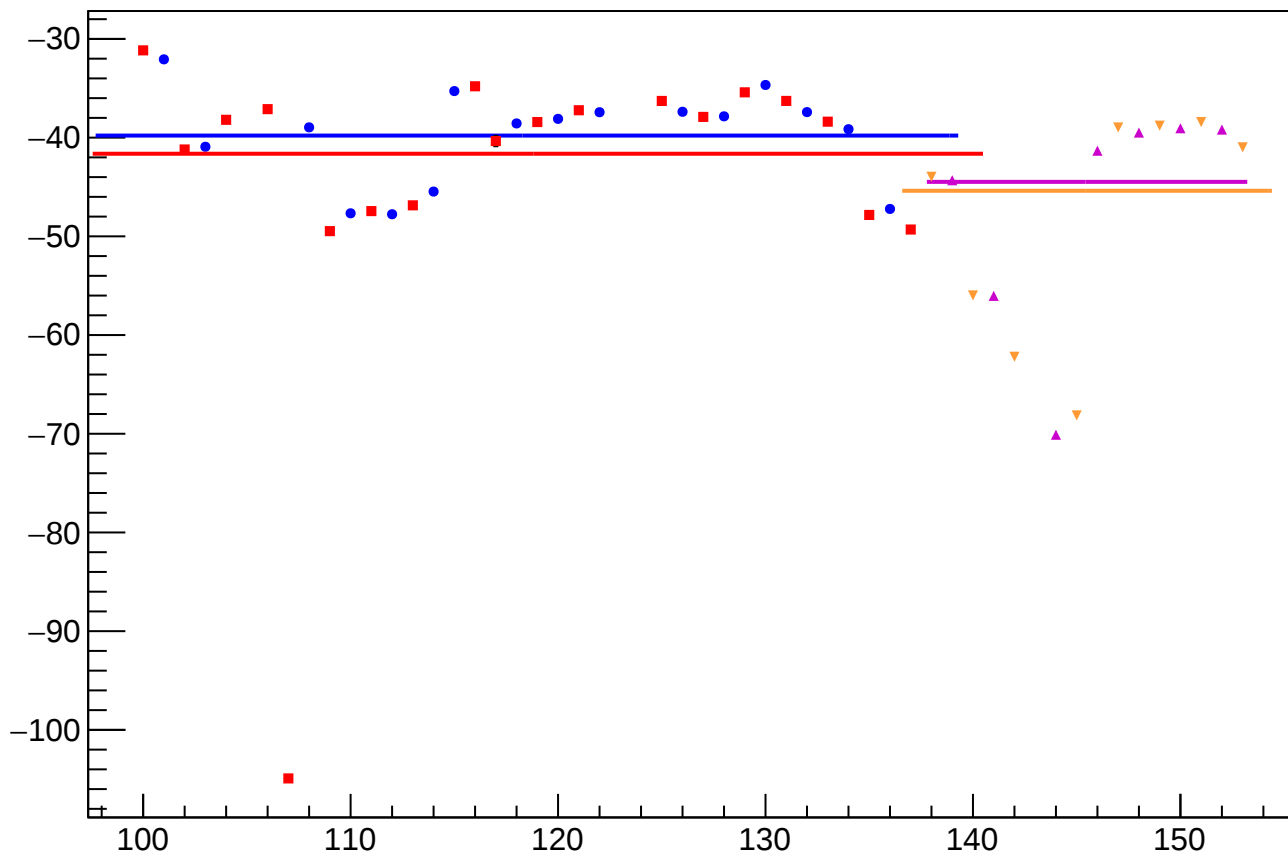
Right Out: 7.593 ± 0.514 $\chi^2/\text{NDF}: 573.4/18$

Left In: 18.196 ± 0.592 $\chi^2/\text{NDF}: 220.6/6$

12.945 ± 0.380 $\chi^2/\text{NDF}: 754.6/23$

12.149 ± 0.388 $\chi^2/\text{NDF}: 976.9/25$

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.791 ± 0.031 χ^2/NDF : 26138.6/15

Left Out: -45.384 ± 0.029 χ^2/NDF : 108525.5/7

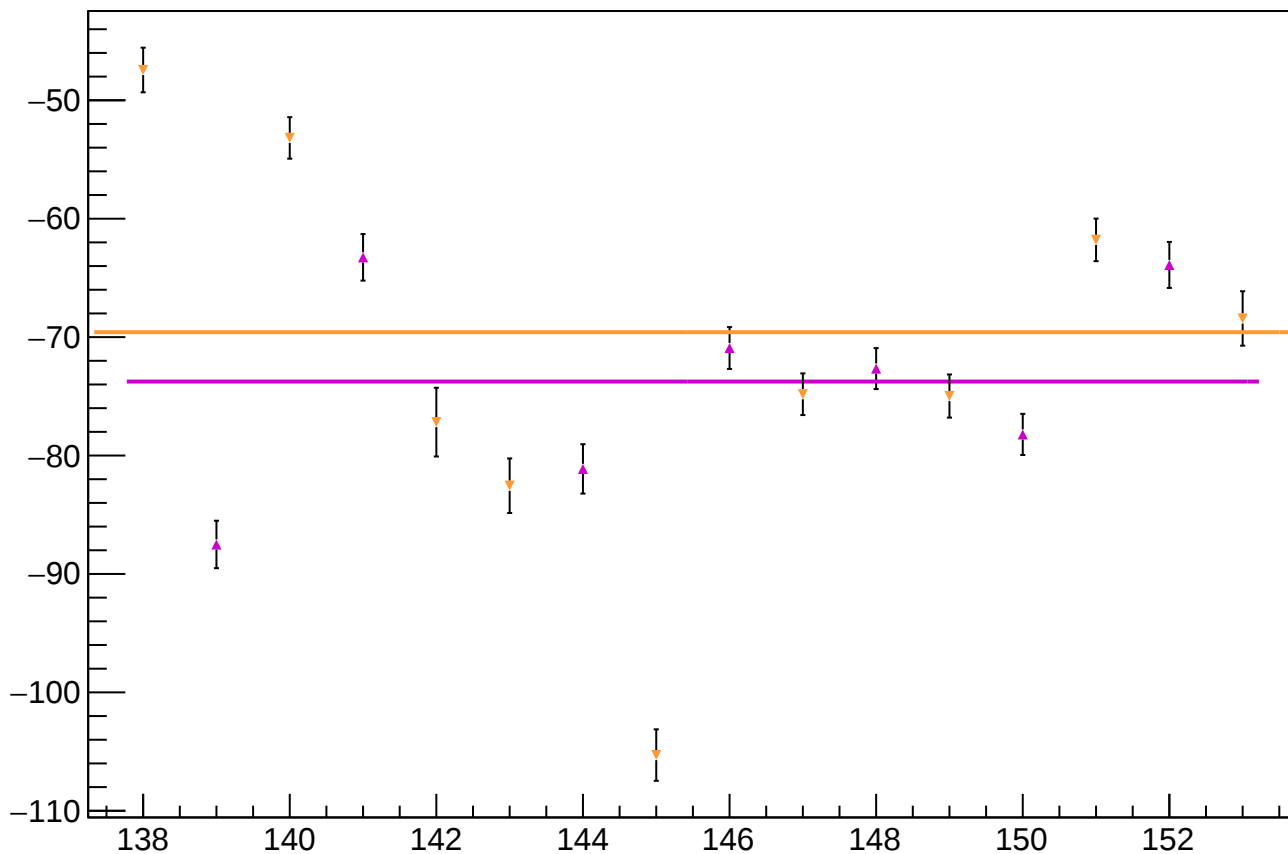
Right Out: -41.631 ± 0.031 χ^2/NDF : 94399.1/18

Left In: -44.481 ± 0.029 χ^2/NDF : 90339.4/6

-42.750 ± 0.021 χ^2/NDF : 151635.9/23

-43.138 ± 0.021 χ^2/NDF : 189165.5/25

reg_asym_usr_diff_bpm1X_slope vs Slug



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

Left Out: -69.585+/-0.667 χ^2/NDF : 570.7/8

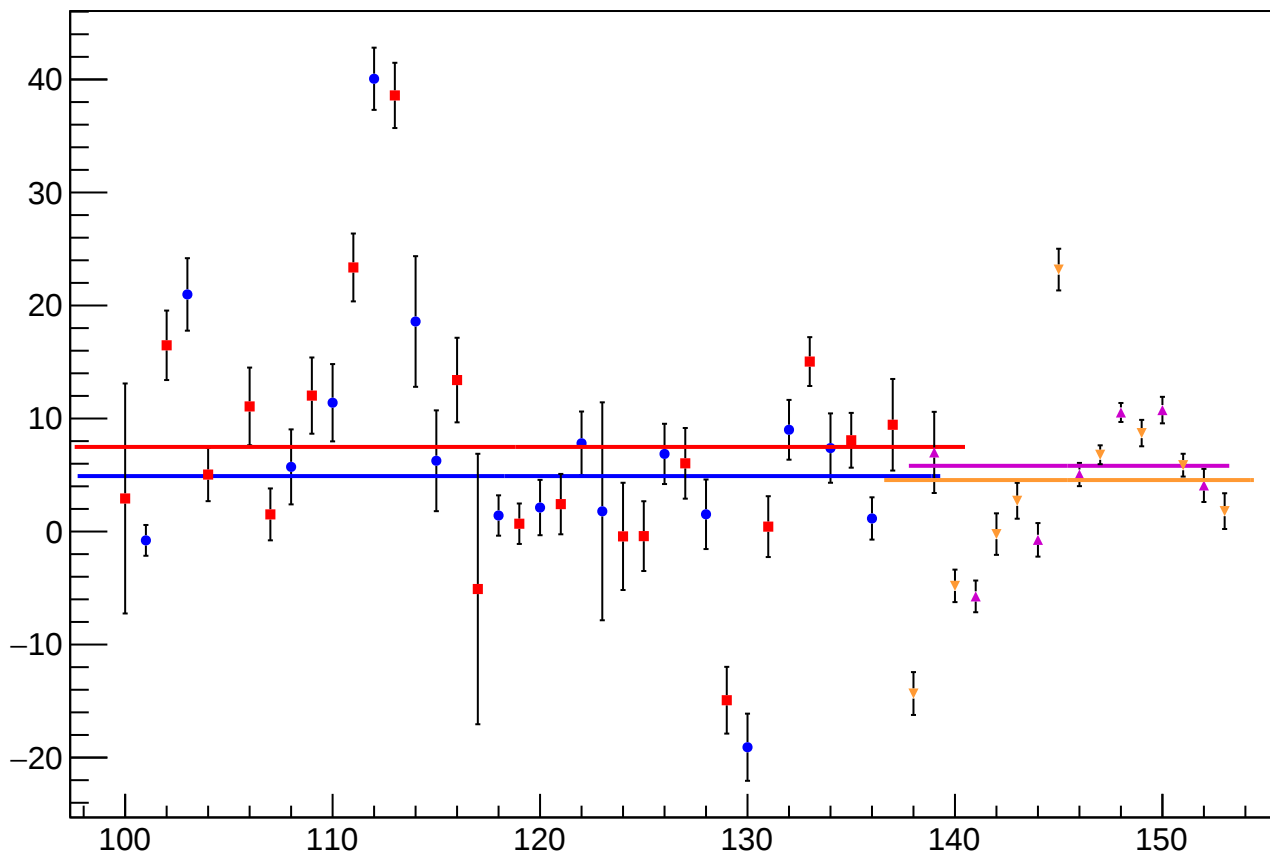
-69.585+/-0.667 χ^2/NDF : 570.7/8

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

-73.753+/-0.709 χ^2/NDF : 123.4/6

Left In: -73.753+/-0.709 χ^2/NDF : 123.4/6

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 4.907 ± 0.628 $\chi^2/\text{NDF}: 295.4/16$

Left Out: 4.554 ± 0.434 $\chi^2/\text{NDF}: 276.2/8$

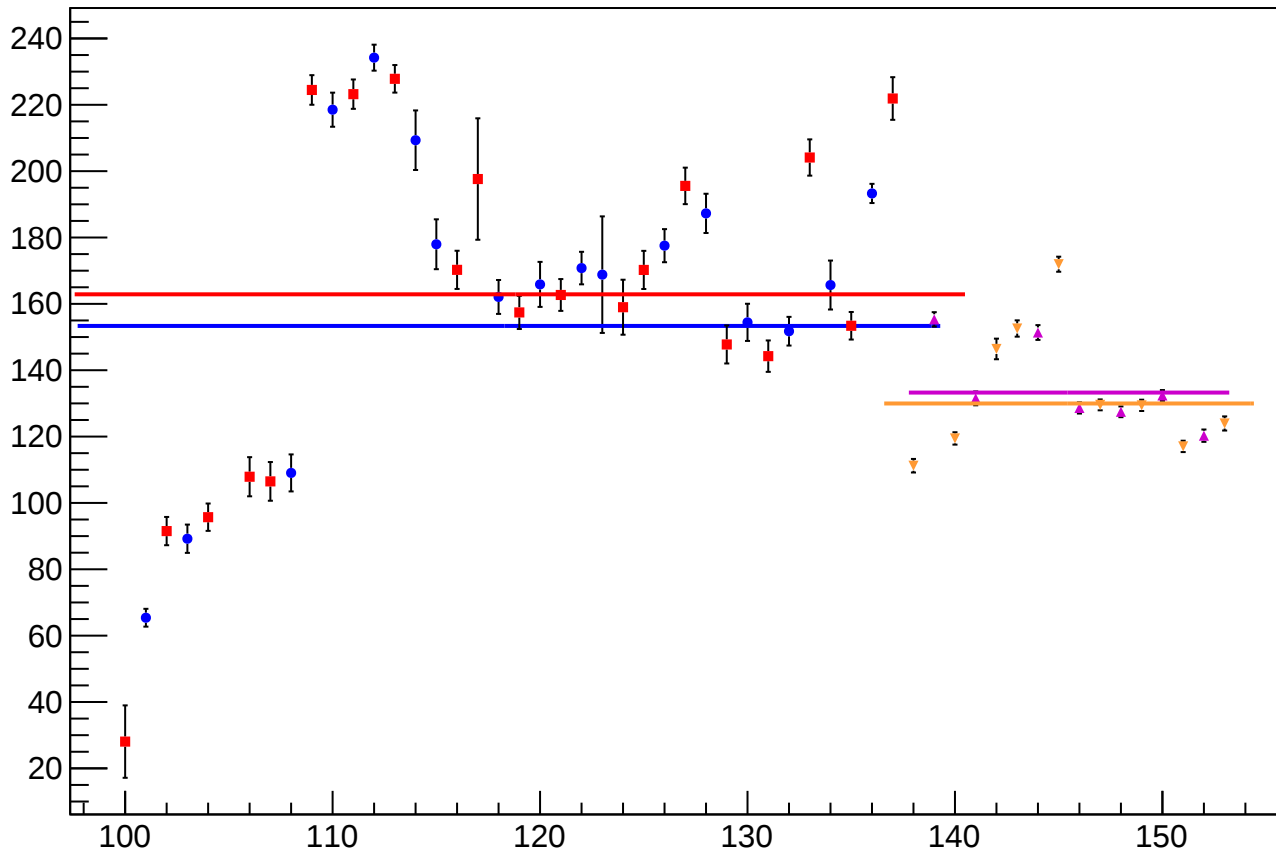
Right Out: 7.486 ± 0.650 $\chi^2/\text{NDF}: 271.7/19$

Left In: 5.815 ± 0.466 $\chi^2/\text{NDF}: 138.6/6$

4.668 ± 0.357 $\chi^2/\text{NDF}: 571.9/25$

6.383 ± 0.379 $\chi^2/\text{NDF}: 414.7/26$

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 153.350+/-1.150 χ^2/NDF : 2268.3/16

Left Out: 129.974+/-0.664 χ^2/NDF : 635.7/8

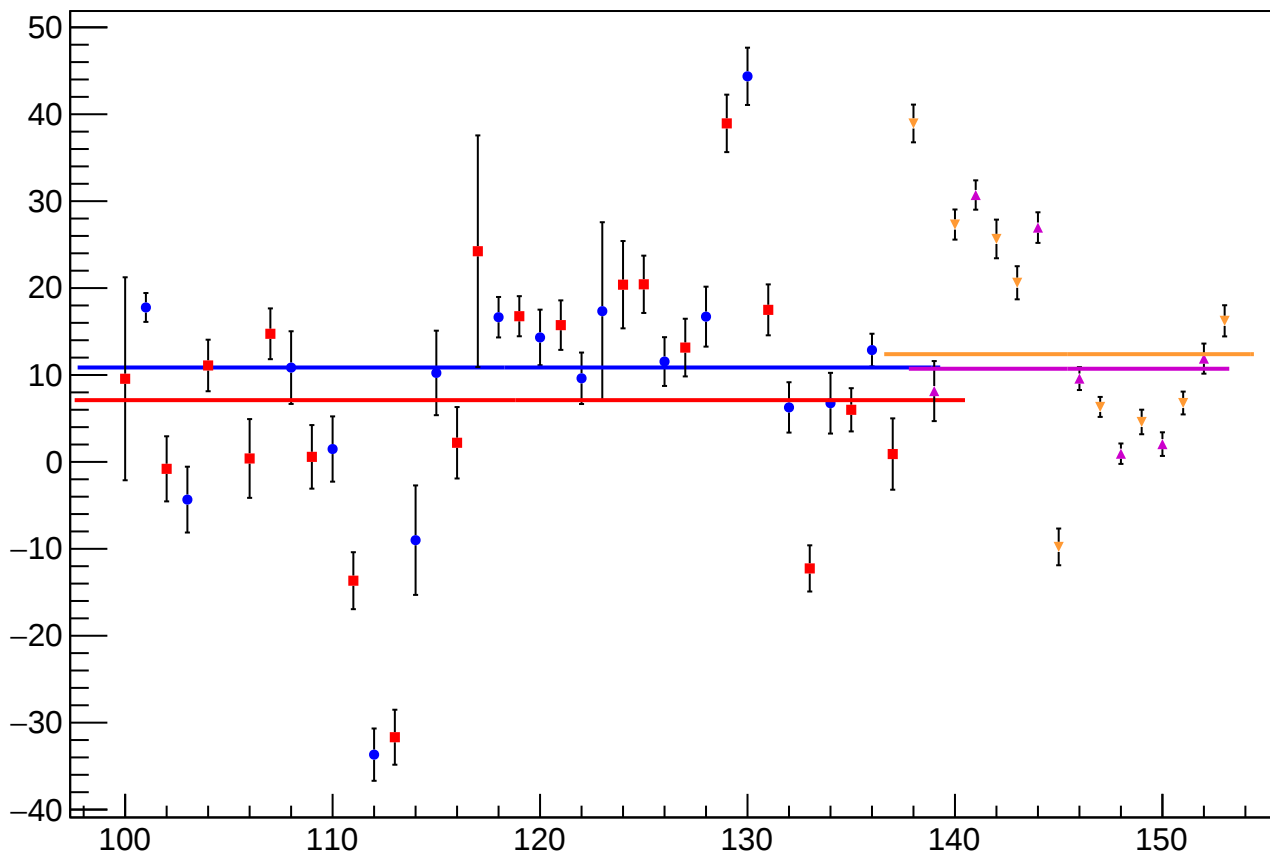
Right Out: 162.878+/-1.174 χ^2/NDF : 1712.4/19

Left In: 133.262+/-0.700 χ^2/NDF : 239.0/6

135.823+/-0.575 χ^2/NDF : 3213.6/25

141.023+/-0.601 χ^2/NDF : 2420.6/26

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 10.864 $\pm$ 0.719 χ^2 /NDF: 387.9/16

Left Out: 12.396 $\pm$ 0.543 χ^2 /NDF: 469.1/8

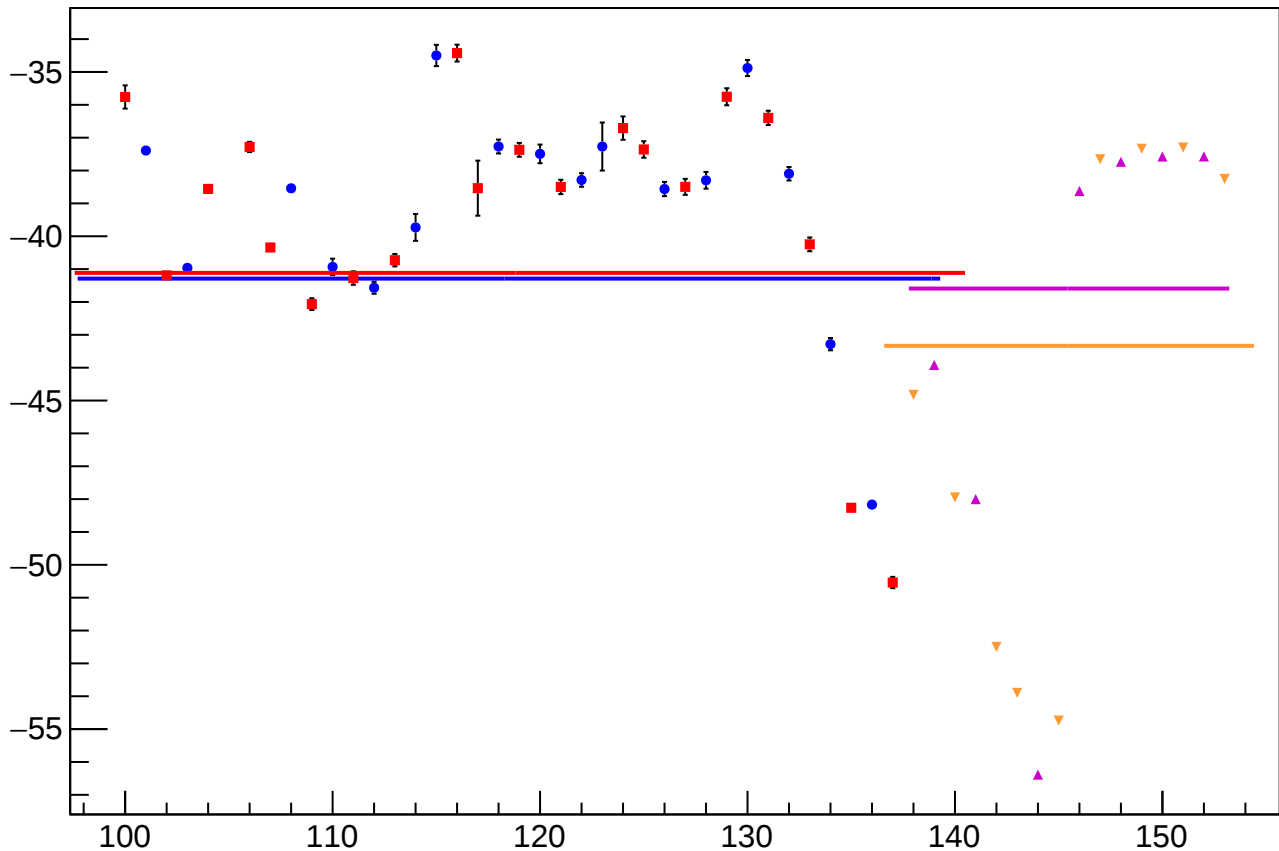
Right Out: 7.106 $\pm$ 0.746 χ^2 /NDF: 426.4/19

Left In: 10.718 $\pm$ 0.584 χ^2 /NDF: 337.0/6

11.840 $\pm$ 0.433 χ^2 /NDF: 859.9/25

9.347 $\pm$ 0.460 χ^2 /NDF: 777.9/26

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.289 ± 0.039 $\chi^2/\text{NDF}: 12509.1/16$

Left Out: -43.335 ± 0.028 $\chi^2/\text{NDF}: 59572.0/8$

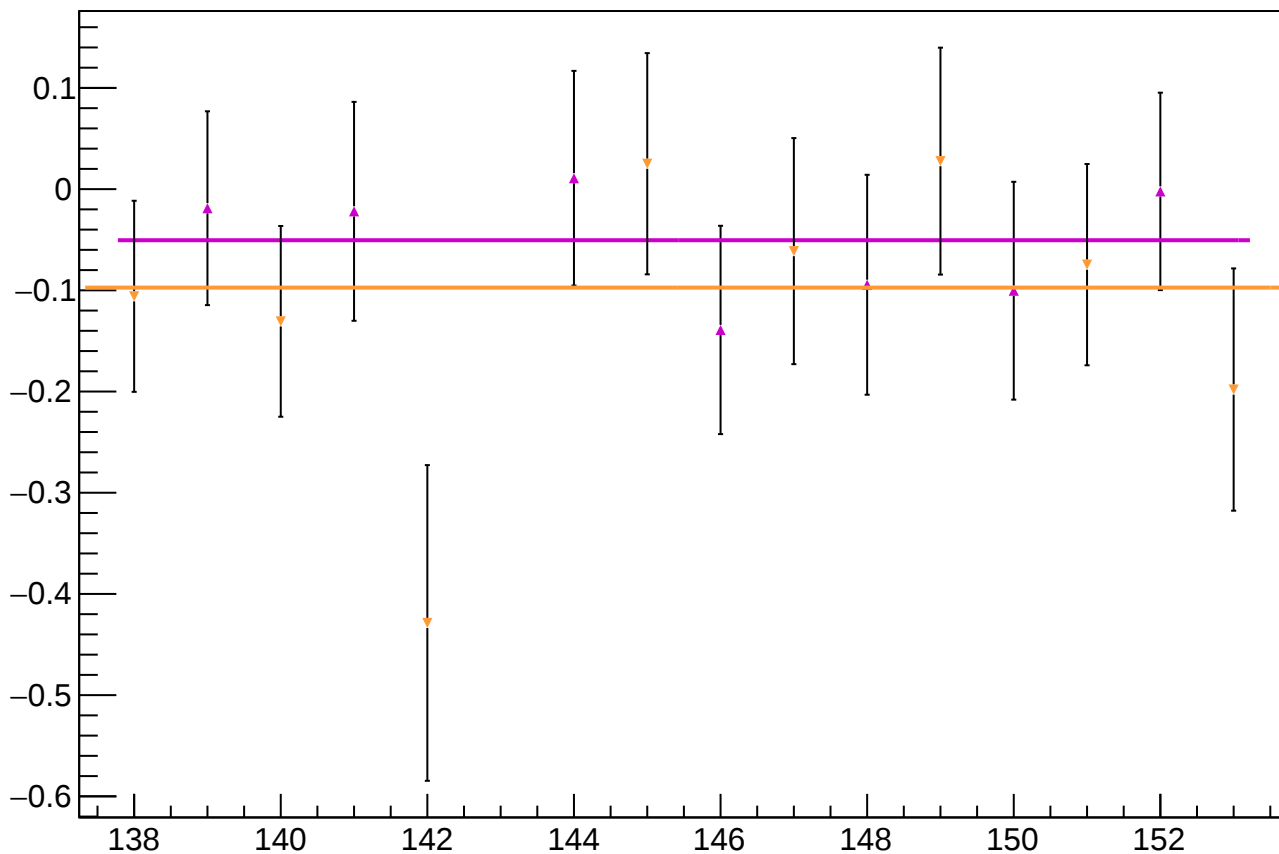
Right Out: -41.115 ± 0.039 $\chi^2/\text{NDF}: 12120.1/19$

Left In: -41.591 ± 0.029 $\chi^2/\text{NDF}: 40482.1/6$

-42.638 ± 0.023 $\chi^2/\text{NDF}: 73933.4/25$

-41.418 ± 0.023 $\chi^2/\text{NDF}: 52699.1/26$

reg_asym_dsl_diff_bpm1X_slope vs Slug



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

Left Out: -0.097 $\pm$ 0.038 χ^2 /NDF: 8.0/7

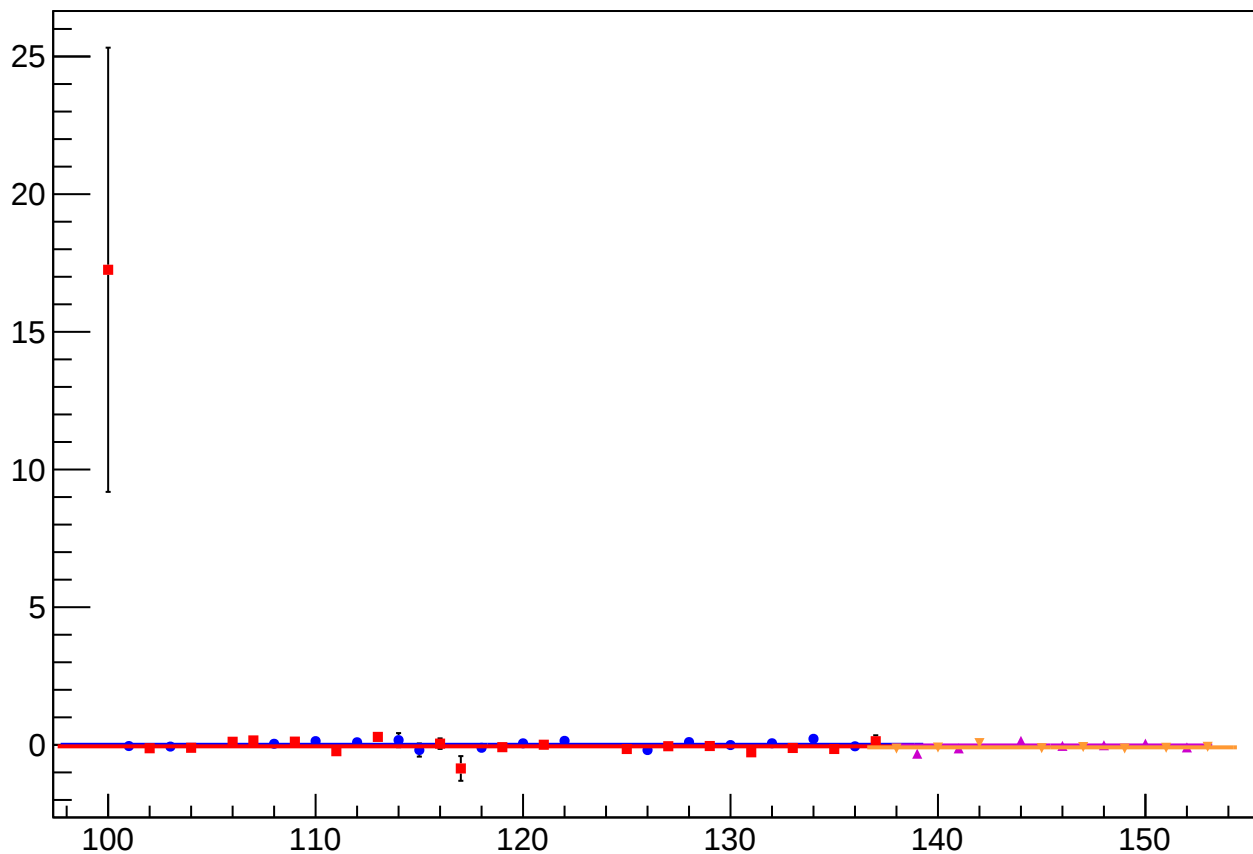
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -0.050 $\pm$ 0.039 χ^2 /NDF: 1.9/6

-0.097 $\pm$ 0.038 χ^2 /NDF: 8.0/7

-0.050 $\pm$ 0.039 χ^2 /NDF: 1.9/6

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: 0.003+/-0.029 χ^2/NDF : 12.4/15

Left Out: -0.090+/-0.026 χ^2/NDF : 3.2/7

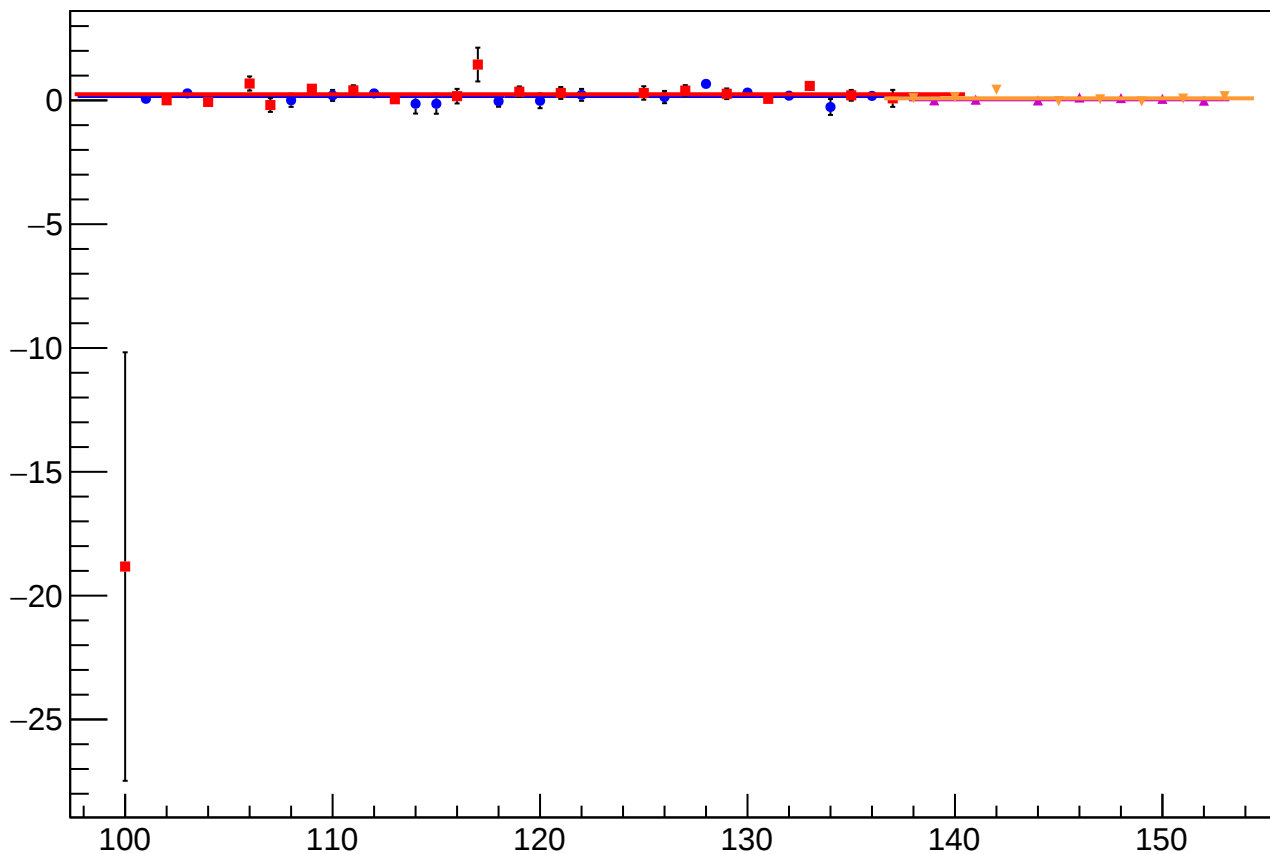
Right Out: -0.053+/-0.029 χ^2/NDF : 28.8/18

Left In: -0.021+/-0.027 χ^2/NDF : 11.4/6

-0.048+/-0.019 χ^2/NDF : 21.5/23

-0.036+/-0.020 χ^2/NDF : 40.9/25

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.176+/-0.053 χ^2/NDF : 13.0/15

Left Out: 0.083+/-0.038 χ^2/NDF : 7.7/7

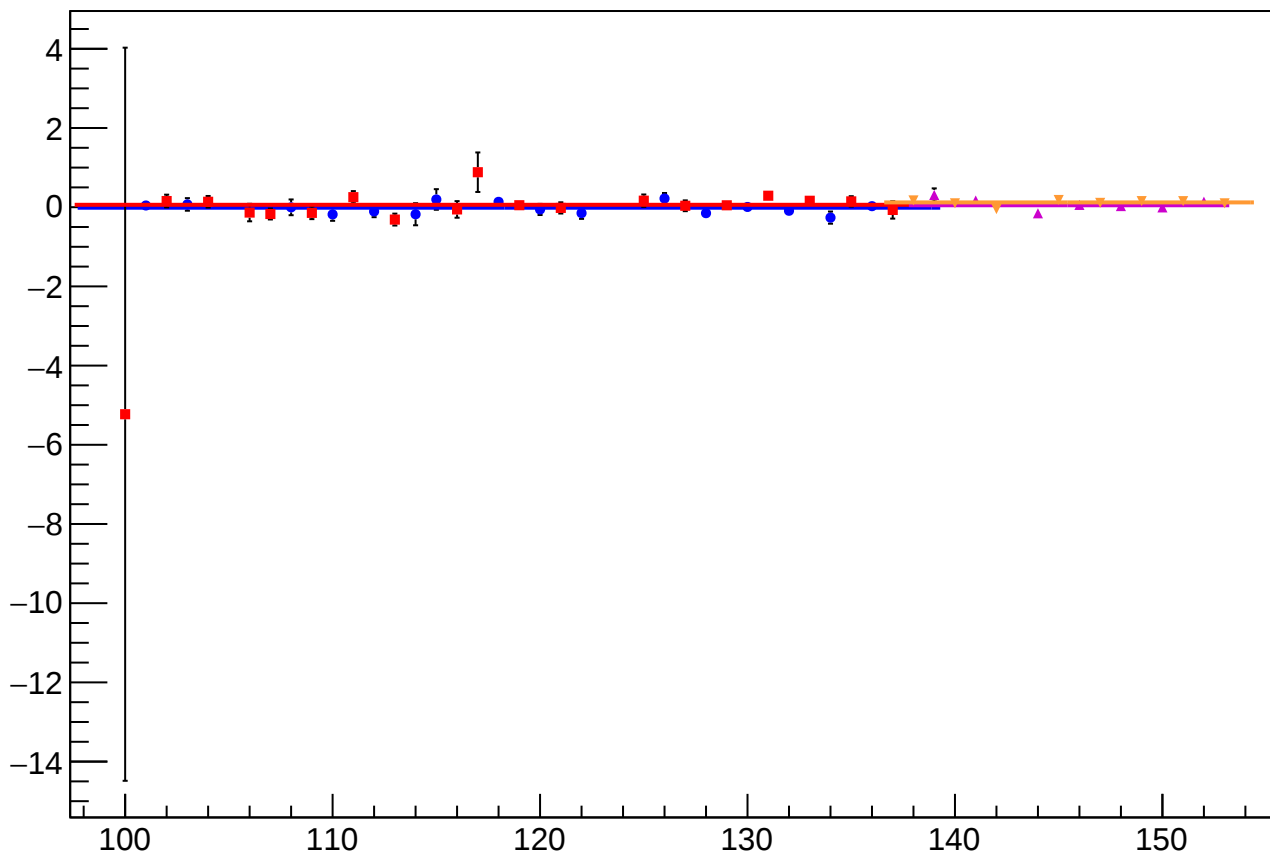
Right Out: 0.247+/-0.054 χ^2/NDF : 24.7/18

Left In: 0.042+/-0.039 χ^2/NDF : 1.5/6

0.115+/-0.031 χ^2/NDF : 22.7/23

0.113+/-0.032 χ^2/NDF : 35.8/25

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.121 ± 0.032 χ^2/NDF : 3.0/7

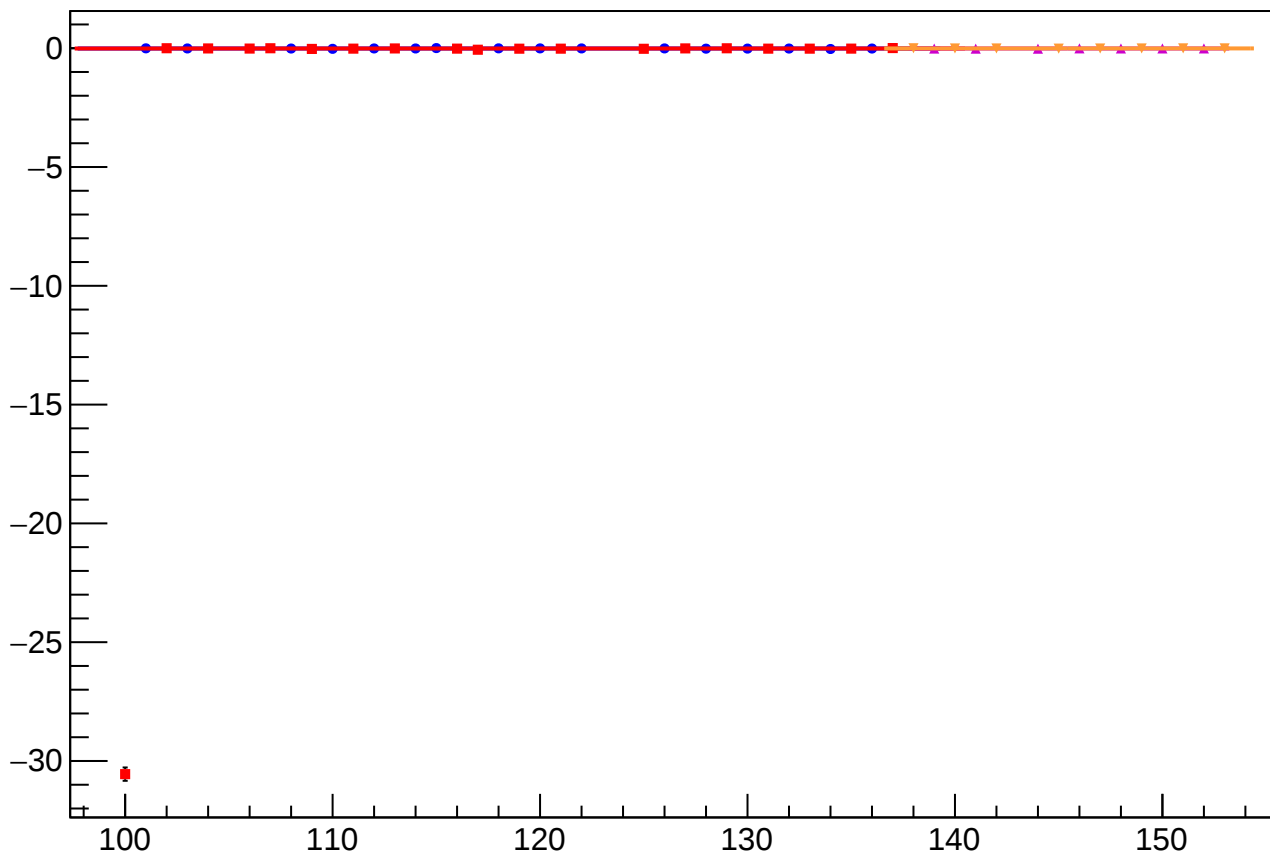
Right Out: 0.061 ± 0.034 χ^2/NDF : 23.1/18

Left In: 0.049 ± 0.033 χ^2/NDF : 10.8/6

0.055 ± 0.023 χ^2/NDF : 25.1/23

0.055 ± 0.024 χ^2/NDF : 34.0/25

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012+/-0.002 χ^2 /NDF: 12.8/15

Left Out: -0.009+/-0.002 χ^2 /NDF: 8.1/7

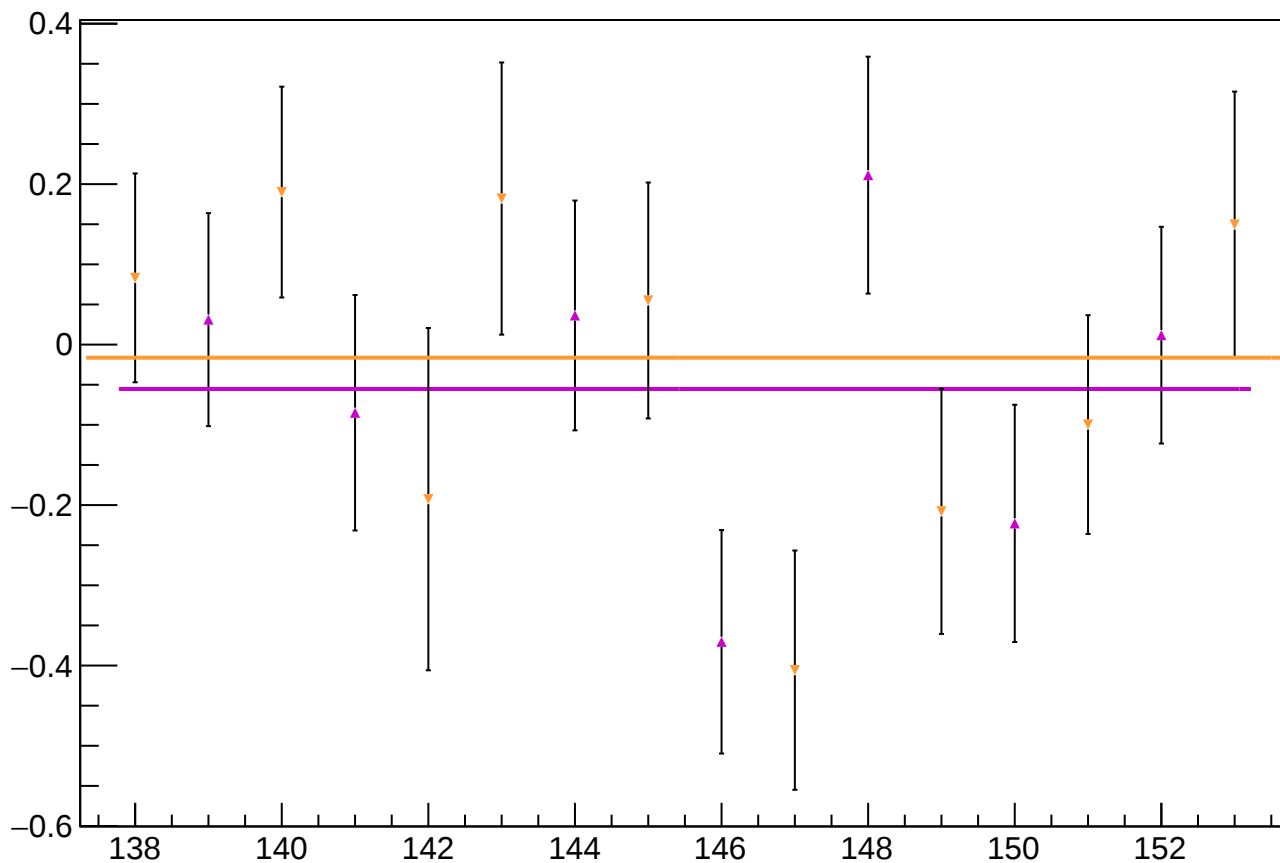
Right Out: -0.012+/-0.002 χ^2 /NDF: 11894.0/18

Left In: -0.012+/-0.002 χ^2 /NDF: 7.5/6

-0.010+/-0.001 χ^2 /NDF: 22.8/23

-0.012+/-0.001 χ^2 /NDF: 11901.5/25

reg_asym_dsr_diff_bpm1X_slope vs Slug



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

Left Out: -0.016+/-0.050 χ^2/NDF : 15.1/8

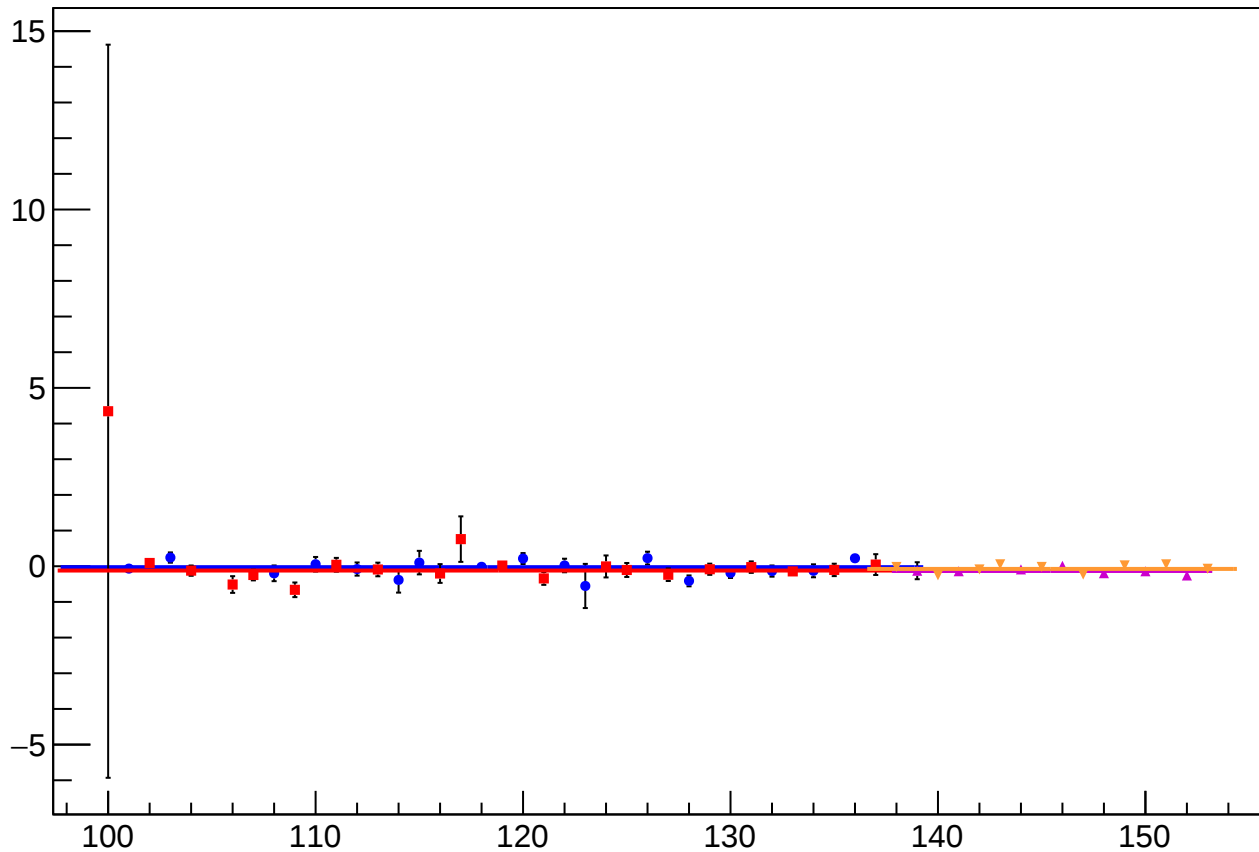
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -0.055+/-0.053 χ^2/NDF : 10.8/6

-0.016+/-0.050 χ^2/NDF : 15.1/8

-0.055+/-0.053 χ^2/NDF : 10.8/6

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.026 ± 0.037 χ^2/NDF : 22.7/16

-0.053 ± 0.025 χ^2/NDF : 36.6/25

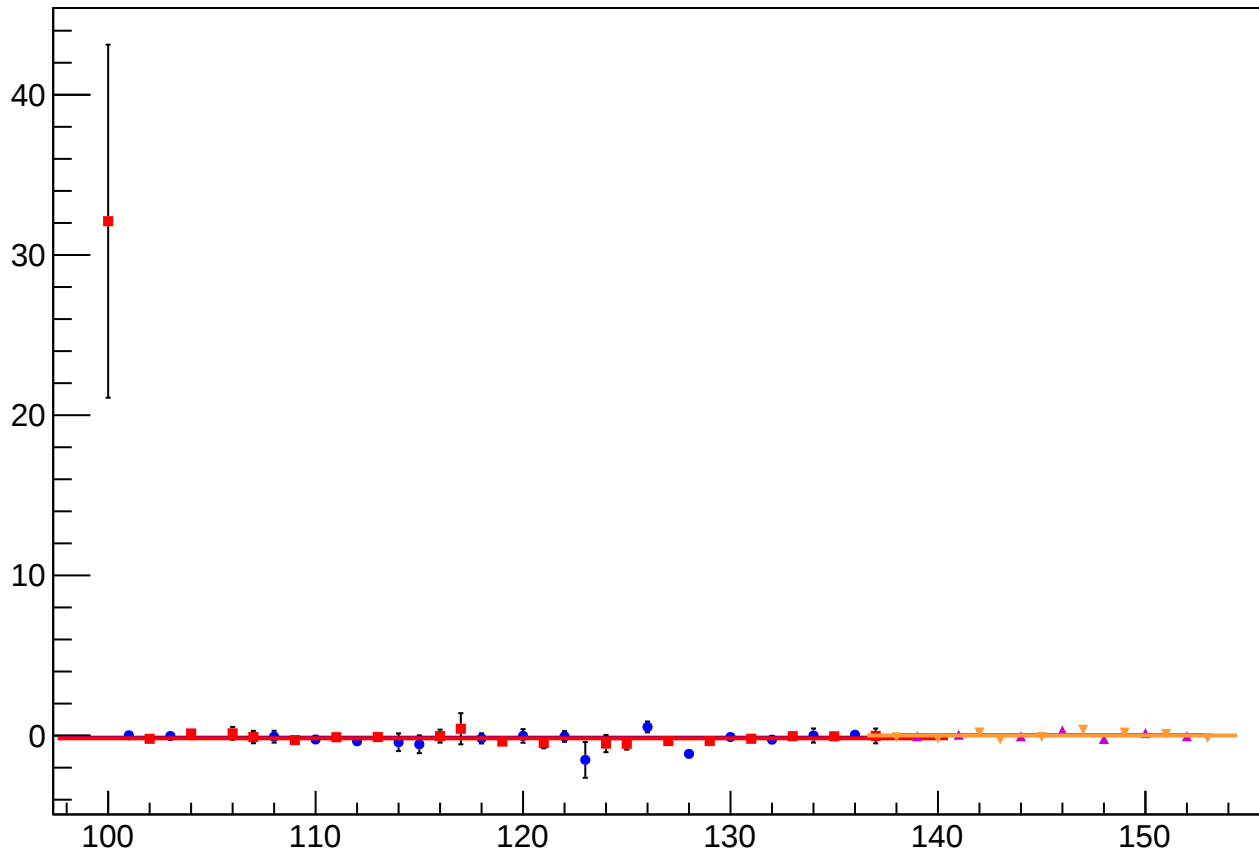
Left Out: -0.075 ± 0.034 χ^2/NDF : 13.0/8

Right Out: -0.120 ± 0.039 χ^2/NDF : 20.2/19

-0.127 ± 0.027 χ^2/NDF : 25.8/26

Left In: -0.133 ± 0.037 χ^2/NDF : 5.5/6

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.129+/-0.067 χ^2/NDF : 23.1/16

Left Out: 0.009+/-0.050 χ^2/NDF : 15.4/8

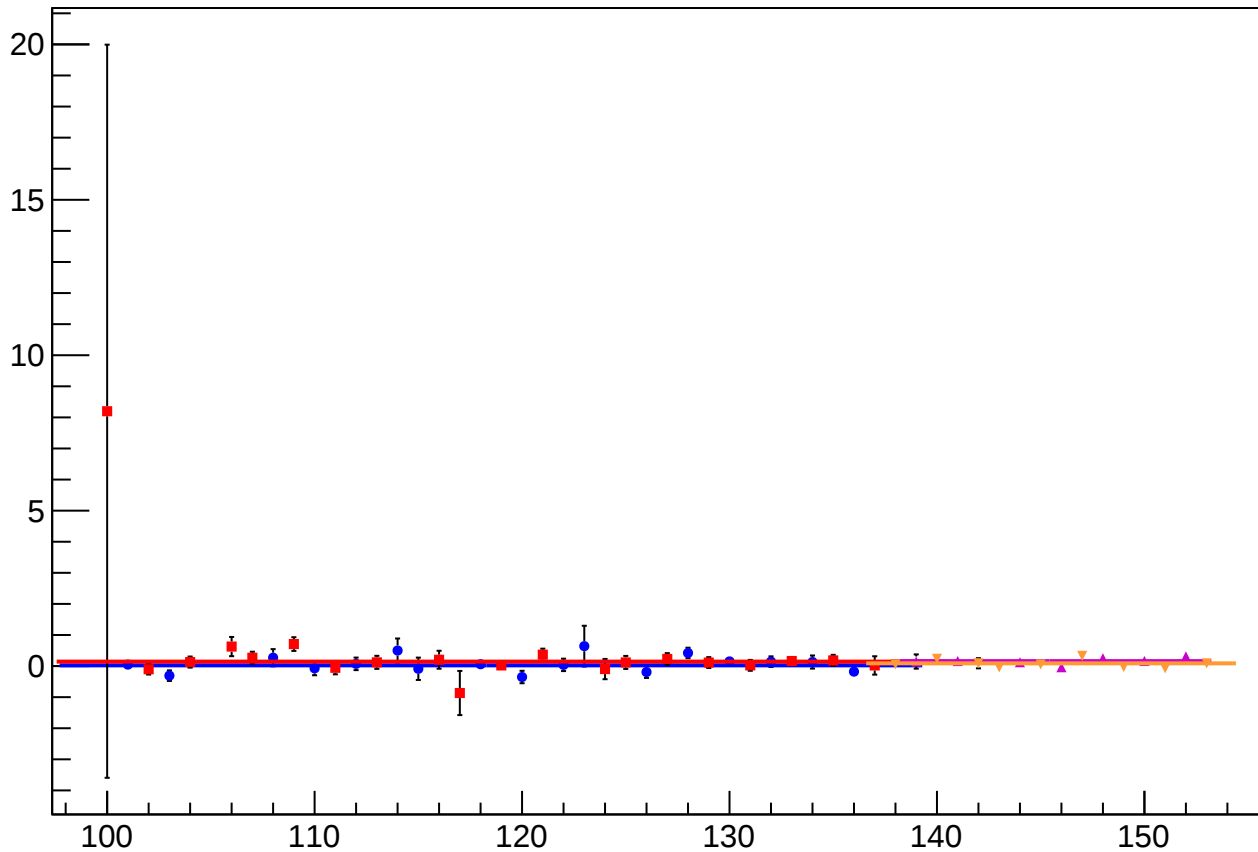
Right Out: -0.169+/-0.071 χ^2/NDF : 15.3/19

Left In: 0.033+/-0.053 χ^2/NDF : 9.5/6

-0.041+/-0.040 χ^2/NDF : 41.3/25

-0.040+/-0.043 χ^2/NDF : 30.0/26

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.023 $\pm$ 0.043 χ^2 /NDF: 21.3/16

Left Out: 0.088 $\pm$ 0.042 χ^2 /NDF: 11.8/8

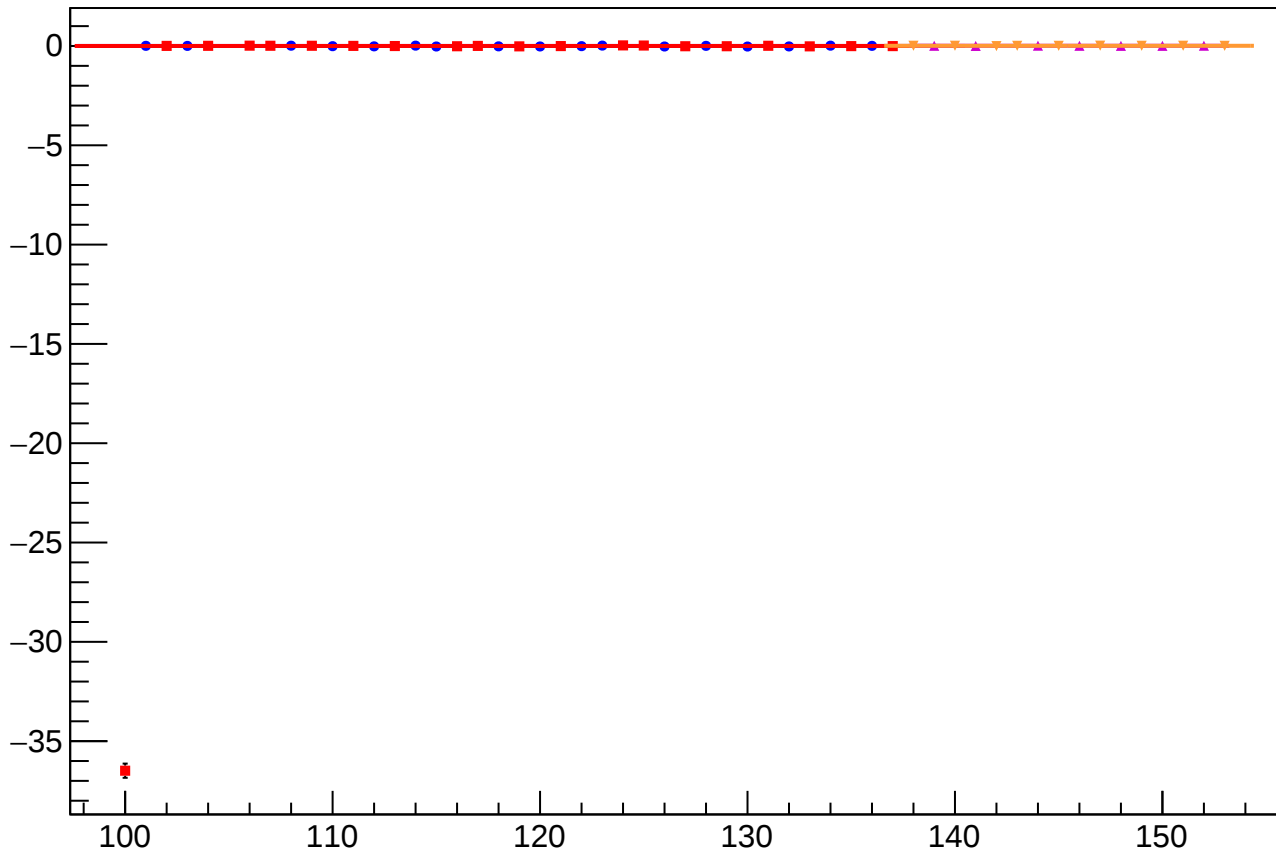
Right Out: 0.144 $\pm$ 0.045 χ^2 /NDF: 18.6/19

Left In: 0.159 $\pm$ 0.046 χ^2 /NDF: 6.1/6

0.056 $\pm$ 0.030 χ^2 /NDF: 34.3/25

0.152 $\pm$ 0.032 χ^2 /NDF: 24.8/26

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001+/-0.002 χ^2/NDF : 30.6/16

Left Out: 0.010+/-0.002 χ^2/NDF : 4.6/8

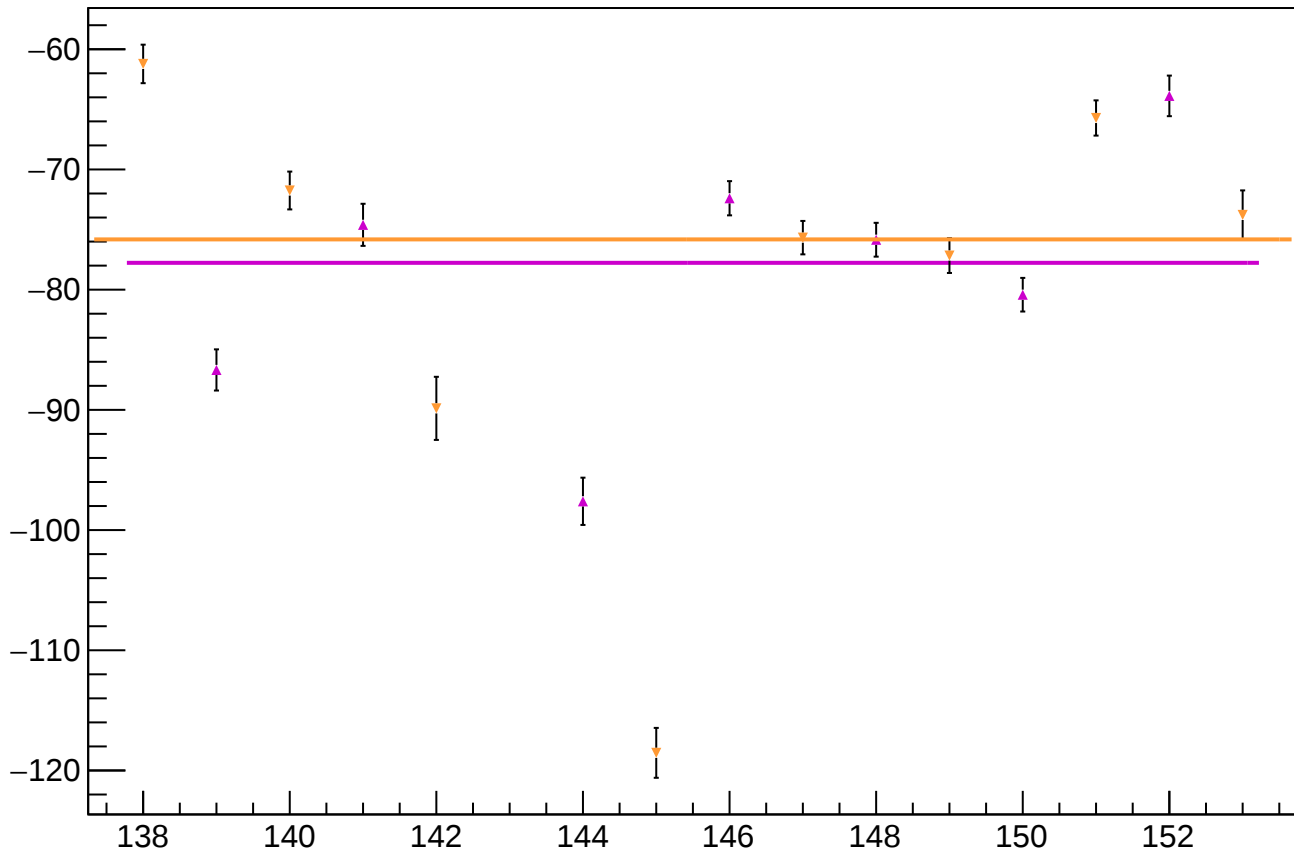
Right Out: 0.001+/-0.002 χ^2/NDF : 10449.1/19

Left In: 0.010+/-0.002 χ^2/NDF : 2.7/6

0.006+/-0.002 χ^2/NDF : 43.2/25

0.006+/-0.002 χ^2/NDF : 10460.4/26

reg_asym_us_avg_diff_bpm1X_slope vs Slug



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

Left Out: -75.818+/-0.590 χ^2/NDF : 591.3/7

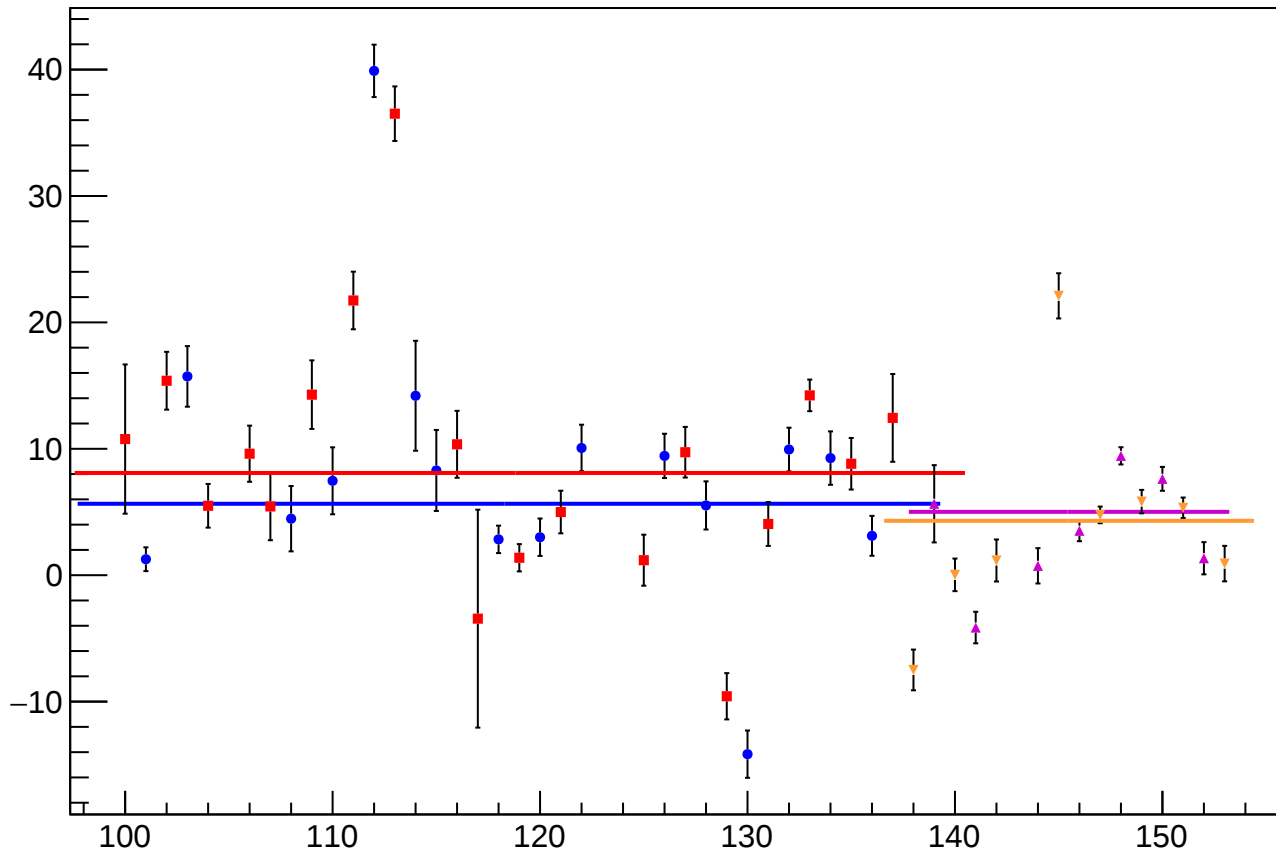
-75.818+/-0.590 χ^2/NDF : 591.3/7

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

Left In: -77.767+/-0.599 χ^2/NDF : 219.6/6

-77.767+/-0.599 χ^2/NDF : 219.6/6

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 5.651 ± 0.429 χ^2/NDF : 461.9/15

Left Out: 4.303 ± 0.374 χ^2/NDF : 177.9/7

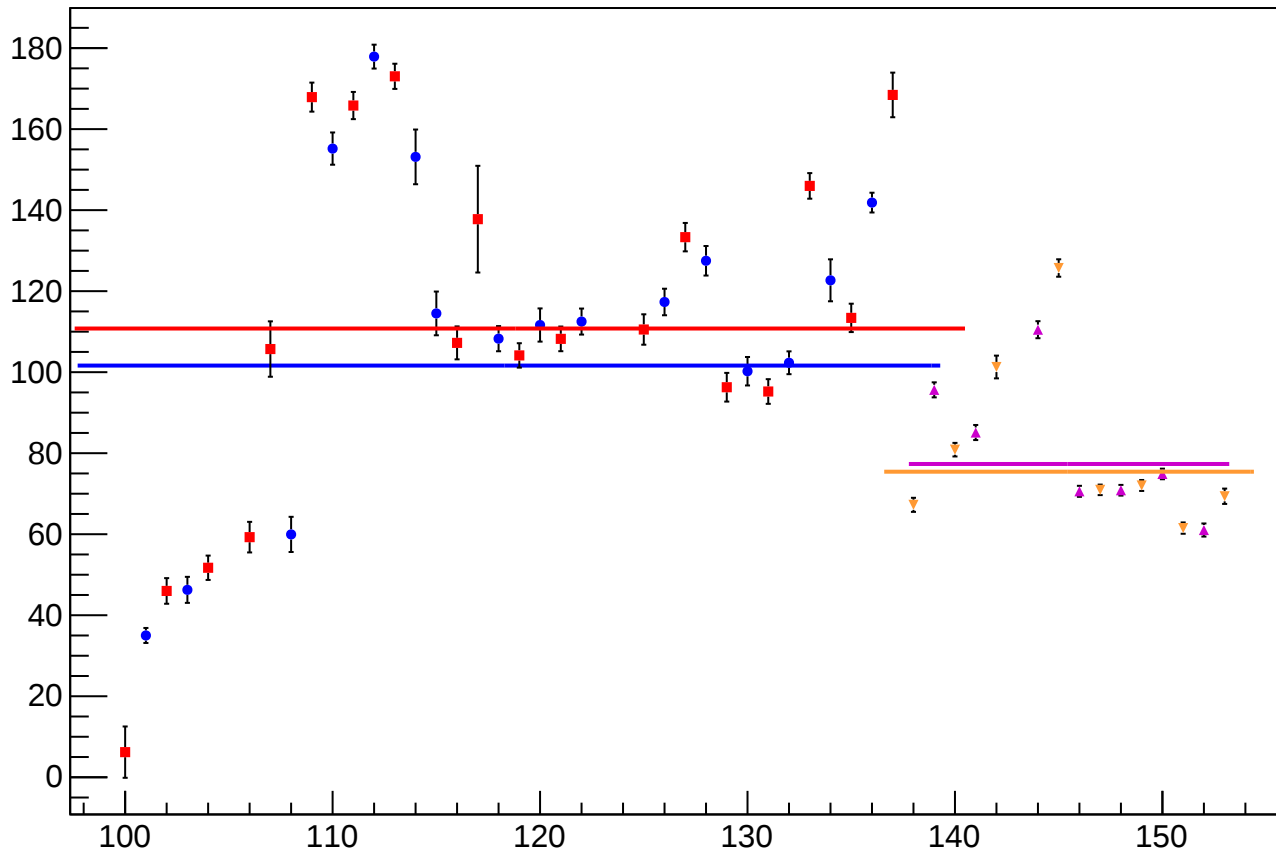
Right Out: 8.087 ± 0.452 χ^2/NDF : 409.7/18

Left In: 5.013 ± 0.389 χ^2/NDF : 124.6/6

4.885 ± 0.282 χ^2/NDF : 645.4/23

6.320 ± 0.295 χ^2/NDF : 560.8/25

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 101.630 $\pm$ 0.812 χ^2 /NDF: 2980.2/15

Left Out: 75.433 $\pm$ 0.581 χ^2 /NDF: 789.7/7

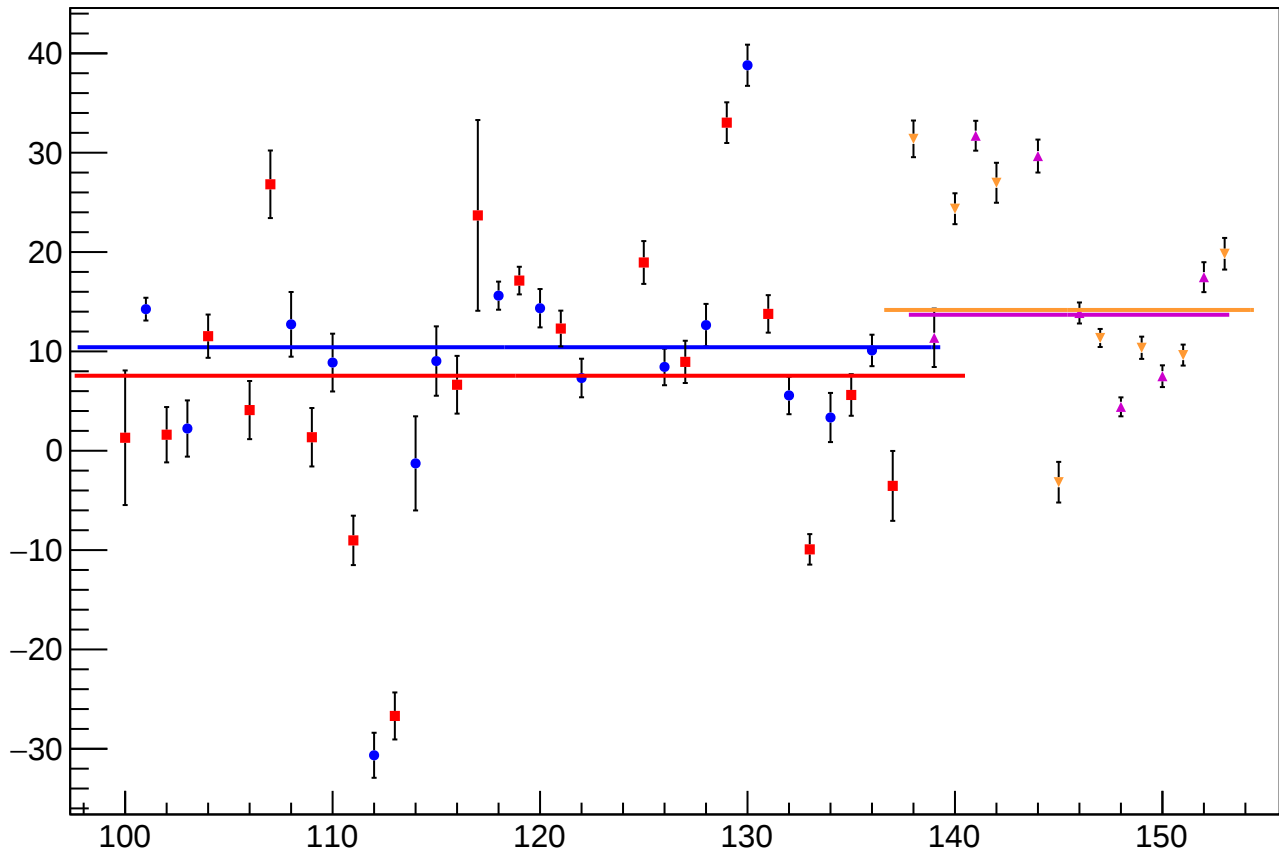
Right Out: 110.778 $\pm$ 0.834 χ^2 /NDF: 2518.3/18

Left In: 77.337 $\pm$ 0.589 χ^2 /NDF: 517.0/6

84.307 $\pm$ 0.473 χ^2 /NDF: 4458.1/23

88.445 $\pm$ 0.481 χ^2 /NDF: 4107.9/25

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 10.420+/-0.497 χ^2/NDF : 579.7/15

Left Out: 14.172+/-0.472 χ^2/NDF : 294.6/7

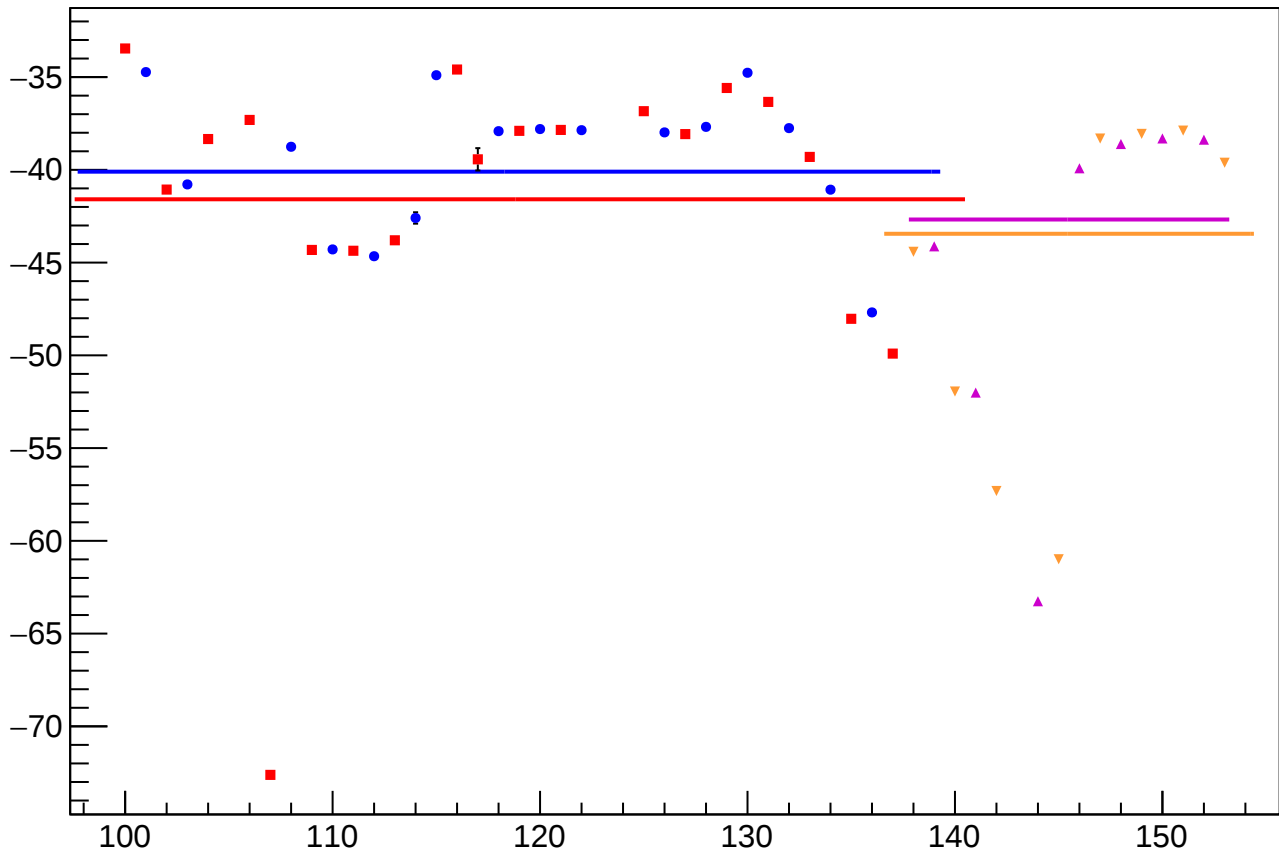
Right Out: 7.550+/-0.522 χ^2/NDF : 692.3/18

Left In: 13.689+/-0.489 χ^2/NDF : 369.9/6

12.394+/-0.342 χ^2/NDF : 904.3/23

10.825+/-0.357 χ^2/NDF : 1135.8/25

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.098 ± 0.028 $\chi^2/\text{NDF}: 25073.4/15$

Left Out: -43.447 ± 0.025 $\chi^2/\text{NDF}: 98086.6/7$

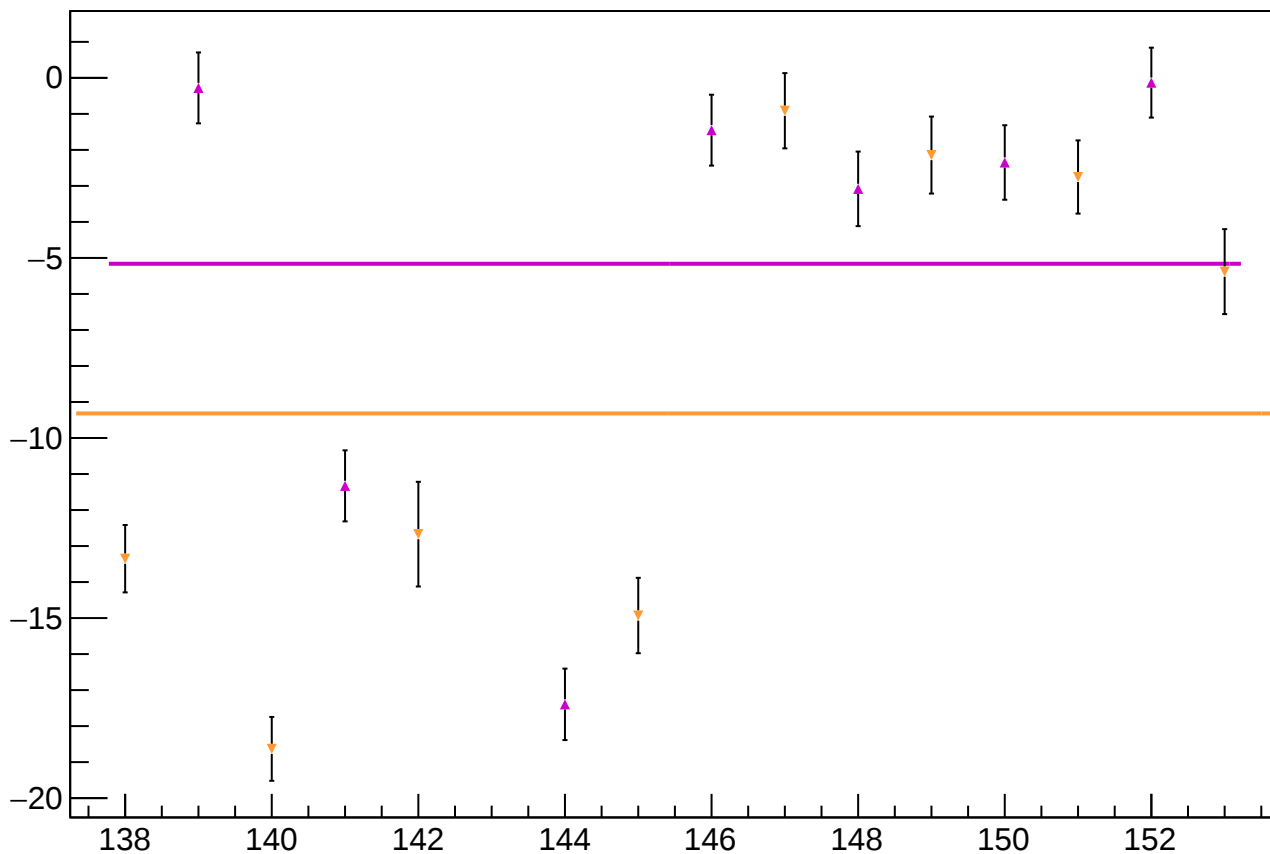
Right Out: -41.588 ± 0.029 $\chi^2/\text{NDF}: 61690.5/18$

Left In: -42.677 ± 0.025 $\chi^2/\text{NDF}: 83343.2/6$

-42.011 ± 0.019 $\chi^2/\text{NDF}: 131147.3/23$

-42.214 ± 0.019 $\chi^2/\text{NDF}: 145870.9/25$

reg_asym_us_dd_diff_bpm1X_slope vs Slug



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

Left Out: -9.318+/-0.371 χ^2/NDF : 325.6/7

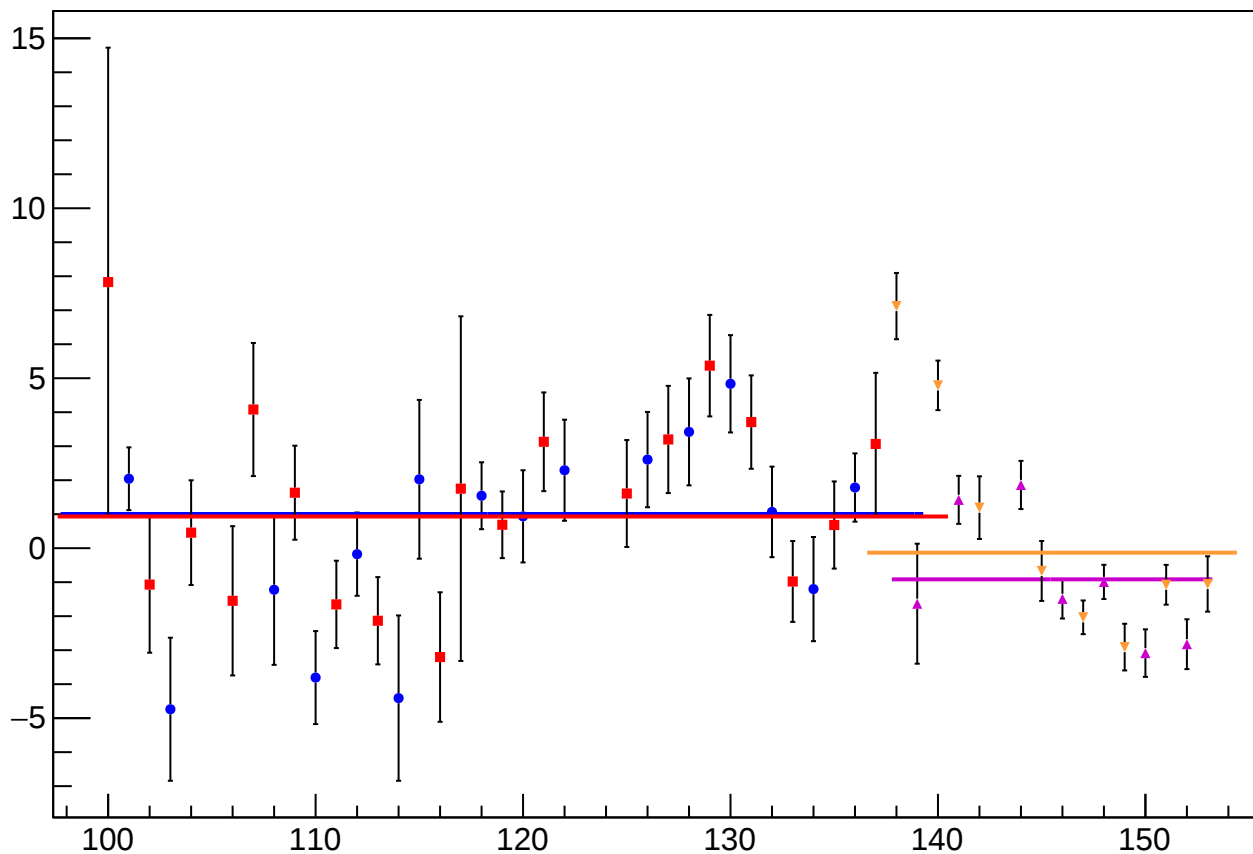
-9.318+/-0.371 χ^2/NDF : 325.6/7

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

-5.161+/-0.377 χ^2/NDF : 268.3/6

Left In: -5.161+/-0.377 χ^2/NDF : 268.3/6

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 1.006 ± 0.342 $\chi^2/\text{NDF}: 42.7/15$

Left Out: -0.132 ± 0.250 $\chi^2/\text{NDF}: 138.4/7$

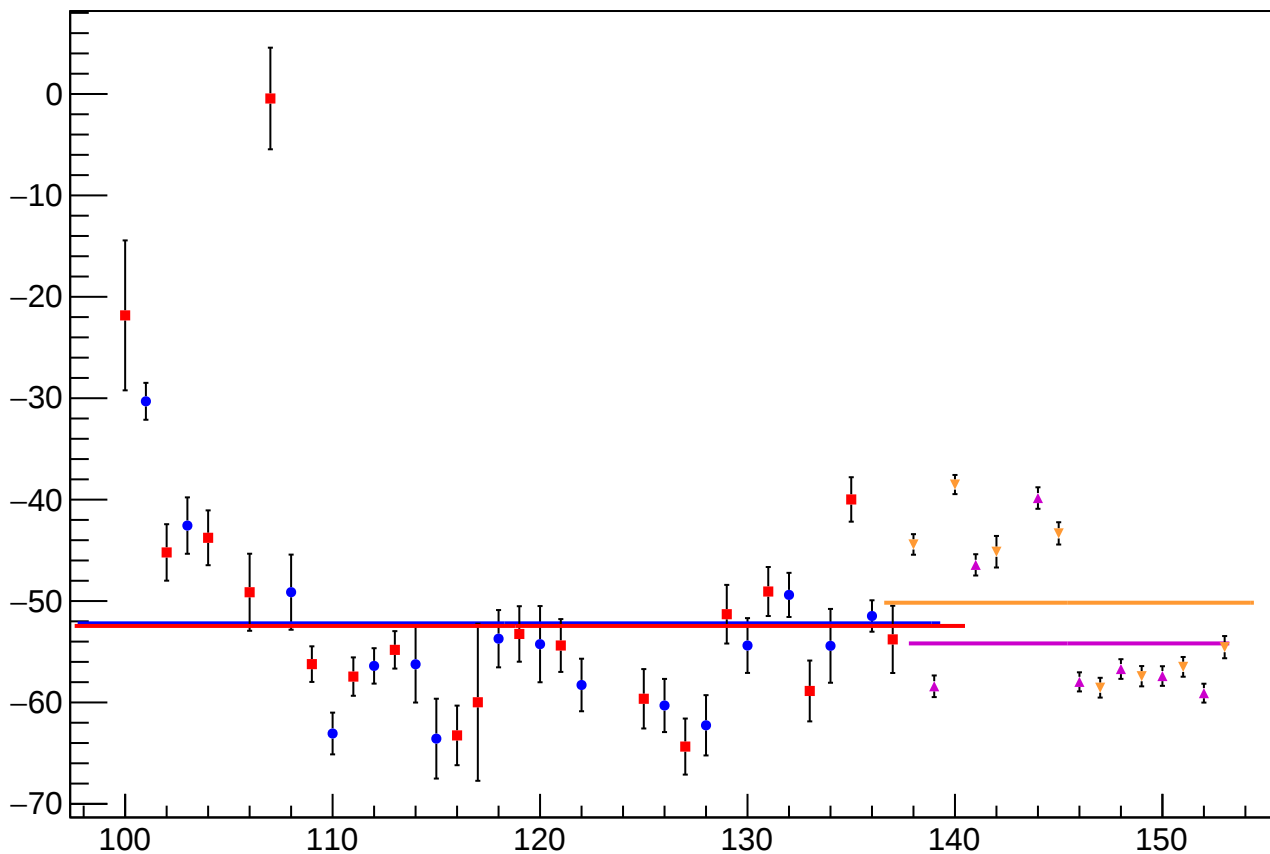
Right Out: 0.933 ± 0.352 $\chi^2/\text{NDF}: 41.9/18$

Left In: -0.917 ± 0.257 $\chi^2/\text{NDF}: 43.9/6$

0.265 ± 0.202 $\chi^2/\text{NDF}: 188.4/23$

-0.275 ± 0.208 $\chi^2/\text{NDF}: 103.7/25$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -52.200 ± 0.615 χ^2/NDF : 230.6/15

Left Out: -50.165 ± 0.371 χ^2/NDF : 418.0/7

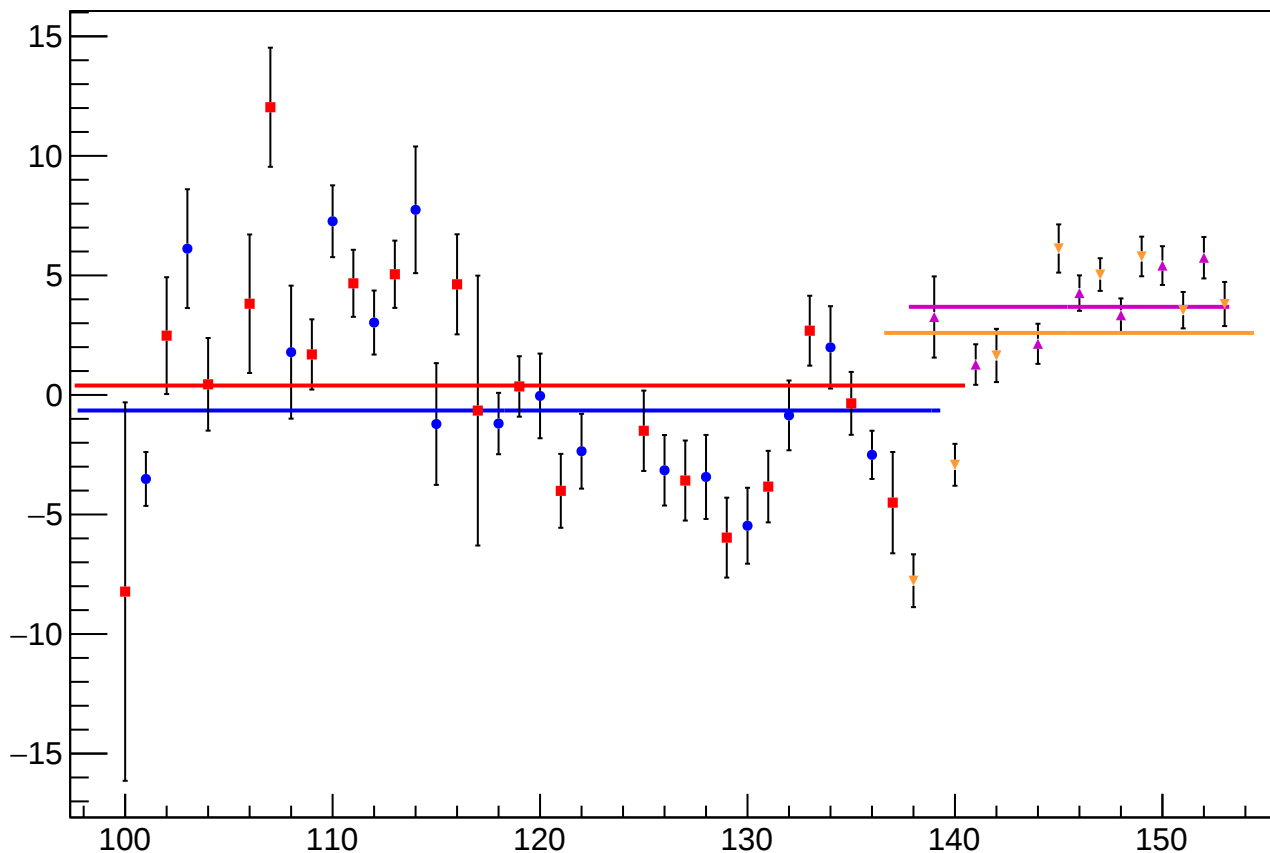
Right Out: -52.455 ± 0.614 χ^2/NDF : 234.8/18

Left In: -54.179 ± 0.376 χ^2/NDF : 314.6/6

-50.708 ± 0.317 χ^2/NDF : 656.7/23

-53.710 ± 0.320 χ^2/NDF : 555.2/25

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: -0.651 ± 0.387 χ^2/NDF : 81.9/15

Left Out: 2.594 ± 0.310 χ^2/NDF : 171.5/7

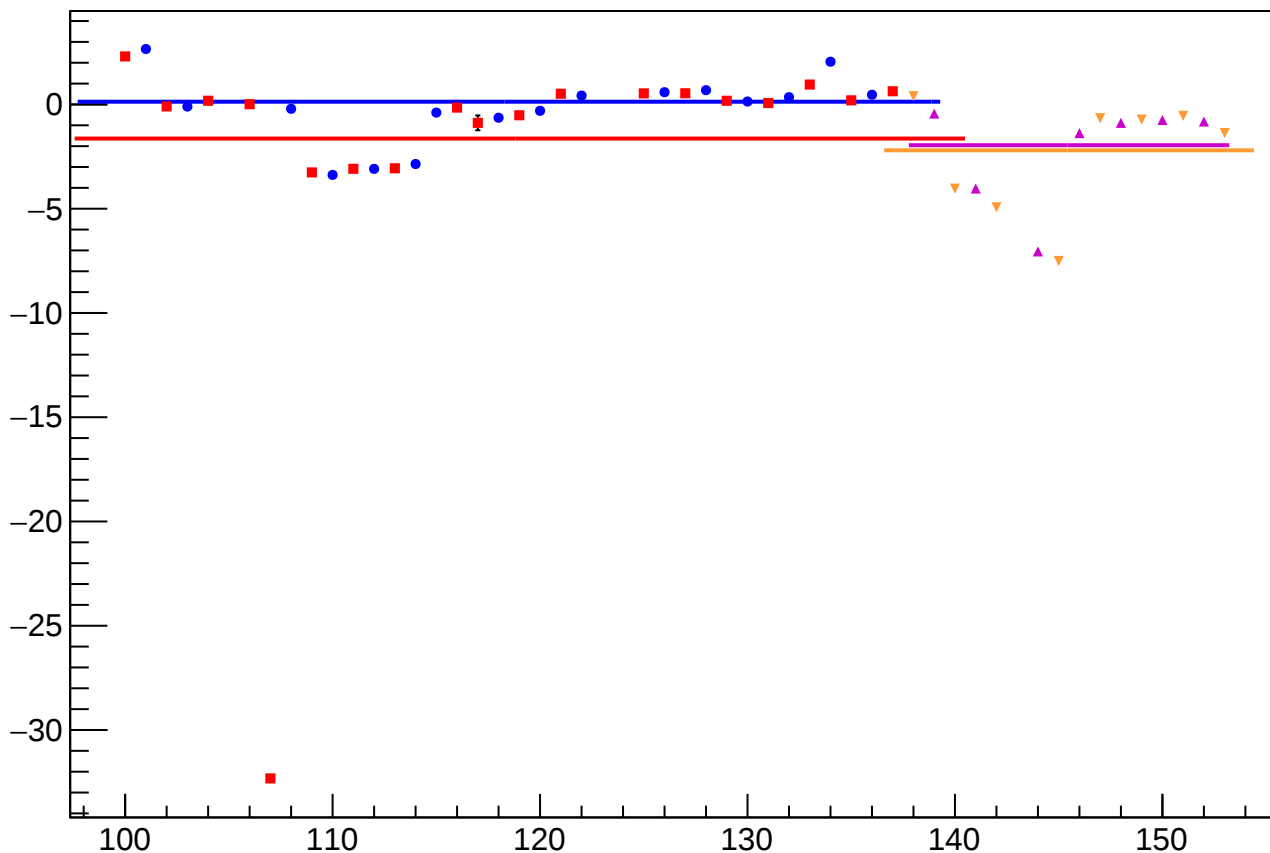
Right Out: 0.394 ± 0.398 χ^2/NDF : 95.9/18

Left In: 3.685 ± 0.319 χ^2/NDF : 22.6/6

1.326 ± 0.242 χ^2/NDF : 296.3/23

2.402 ± 0.249 χ^2/NDF : 160.1/25

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.132 ± 0.022 $\chi^2/\text{NDF}: 5247.5/15$

Left Out: -1.416 ± 0.012 $\chi^2/\text{NDF}: 40579.3/23$

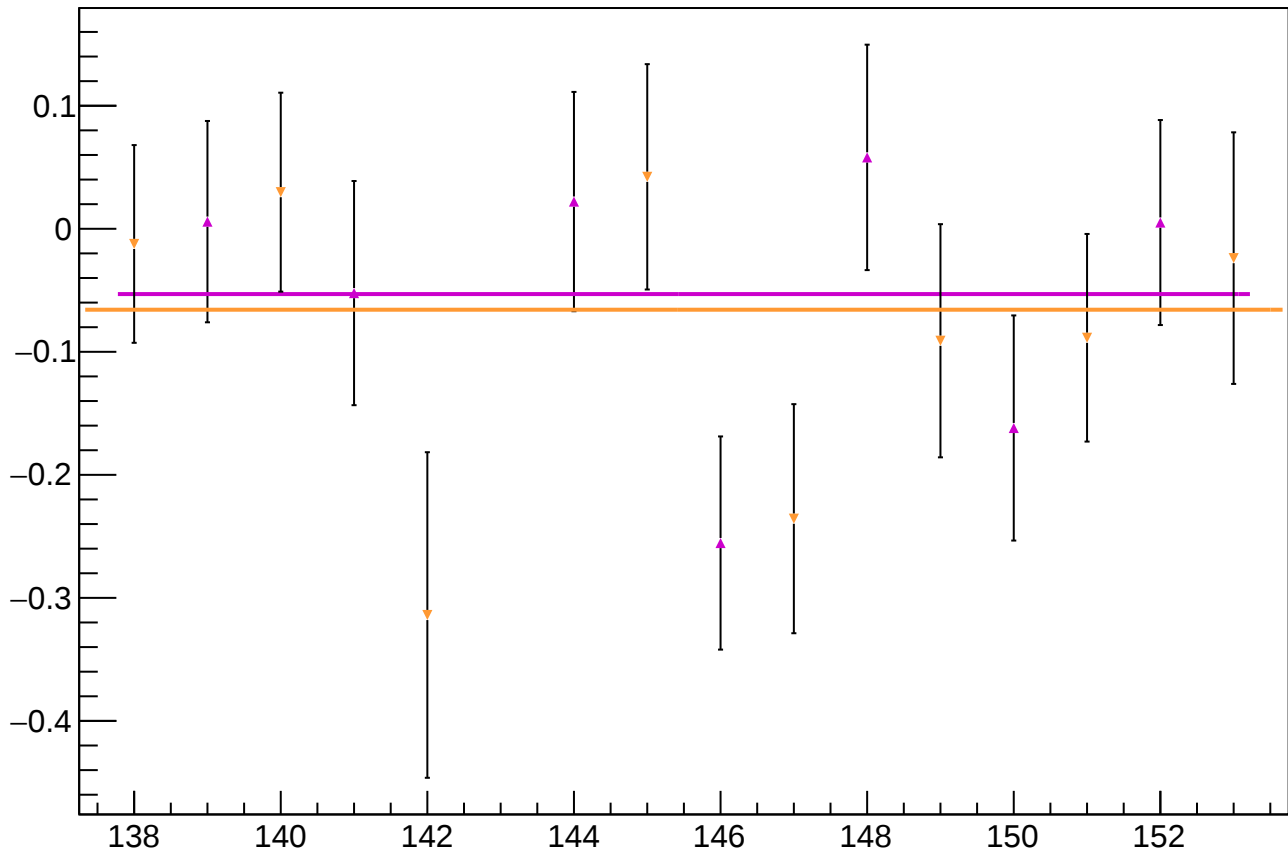
Right Out: -1.635 ± 0.022 $\chi^2/\text{NDF}: 77852.9/18$

Left In: -1.955 ± 0.016 $\chi^2/\text{NDF}: 18750.9/6$

-1.416 ± 0.012 $\chi^2/\text{NDF}: 40579.3/23$

-1.847 ± 0.013 $\chi^2/\text{NDF}: 96746.1/25$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



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

Left Out: -0.066+/-0.032 χ^2/NDF : 10.4/7

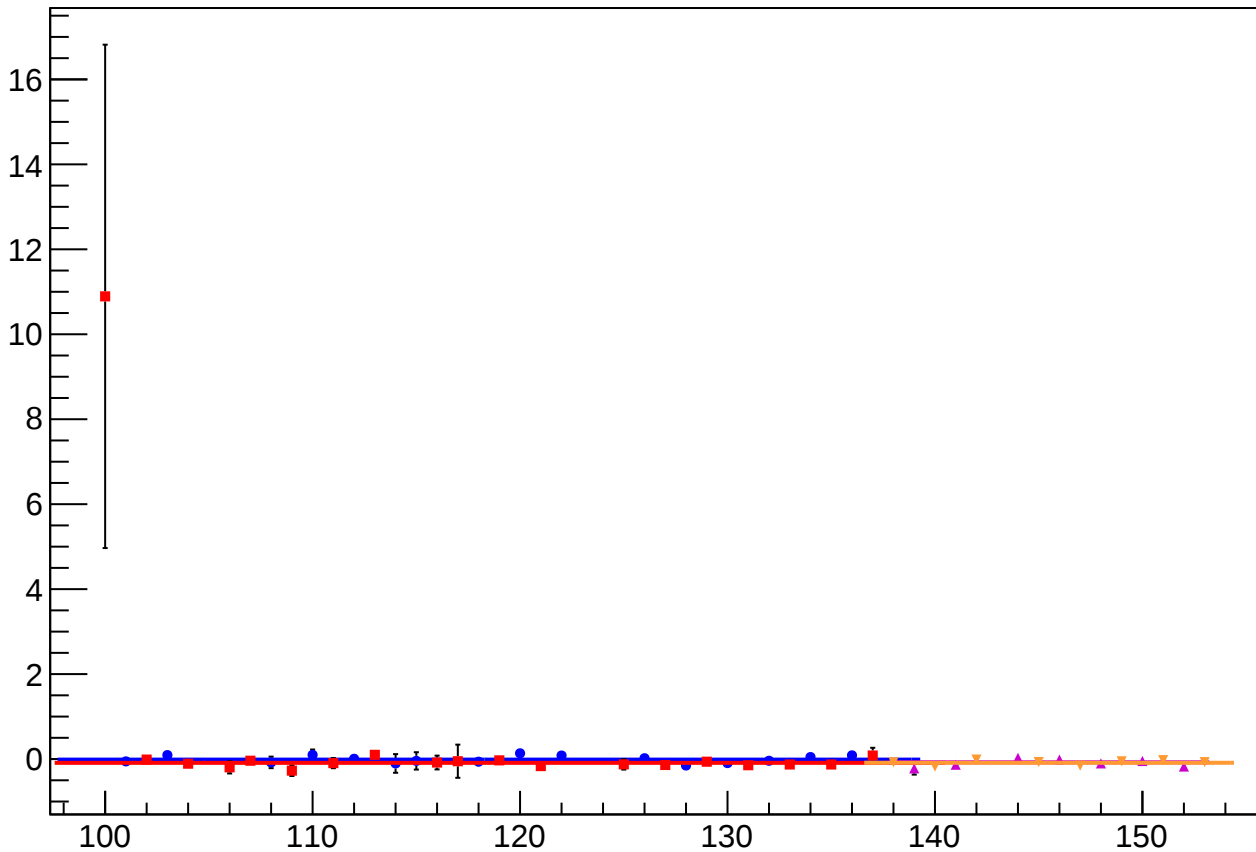
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -0.053+/-0.033 χ^2/NDF : 10.1/6

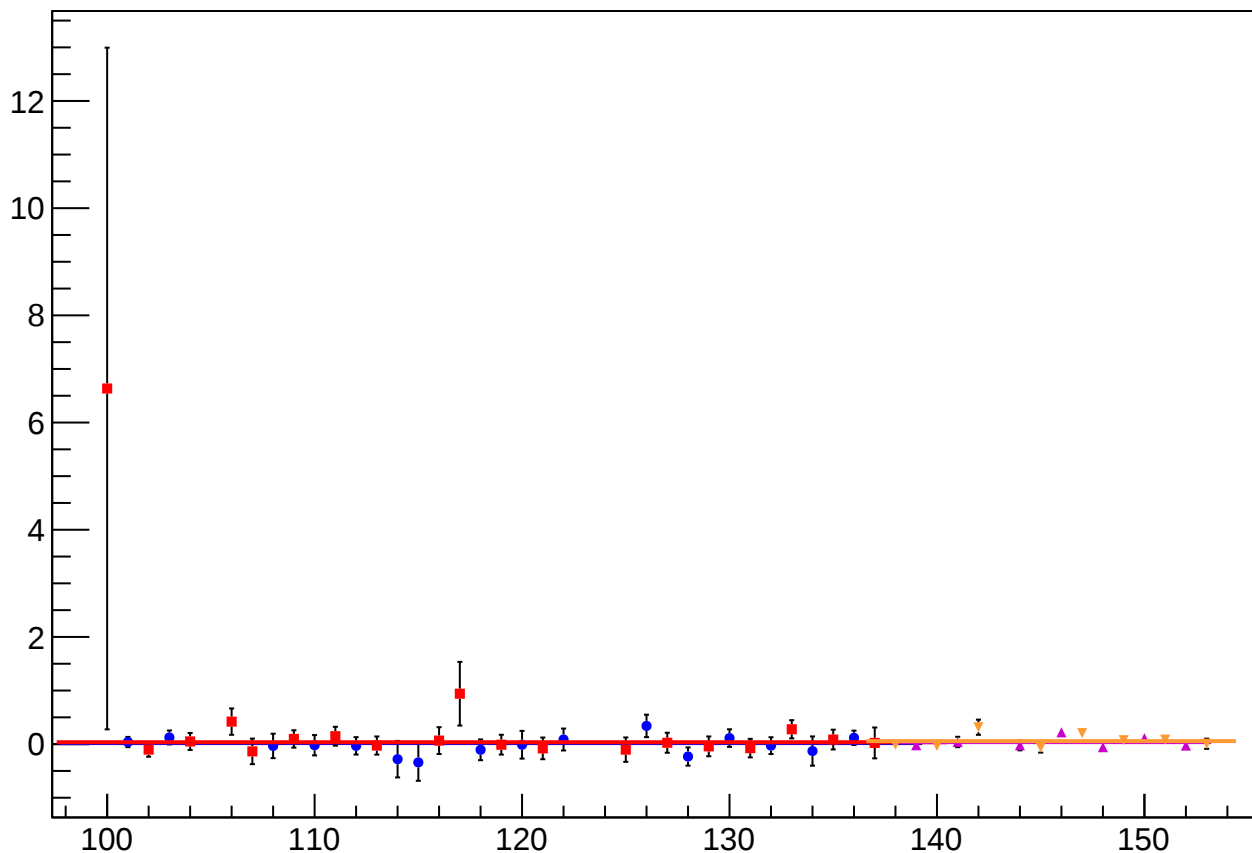
-0.066+/-0.032 χ^2/NDF : 10.4/7

-0.053+/-0.033 χ^2/NDF : 10.1/6

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.020 $\pm$ 0.043 χ^2 /NDF: 9.1/15

Left Out: 0.056 $\pm$ 0.032 χ^2 /NDF: 9.9/7

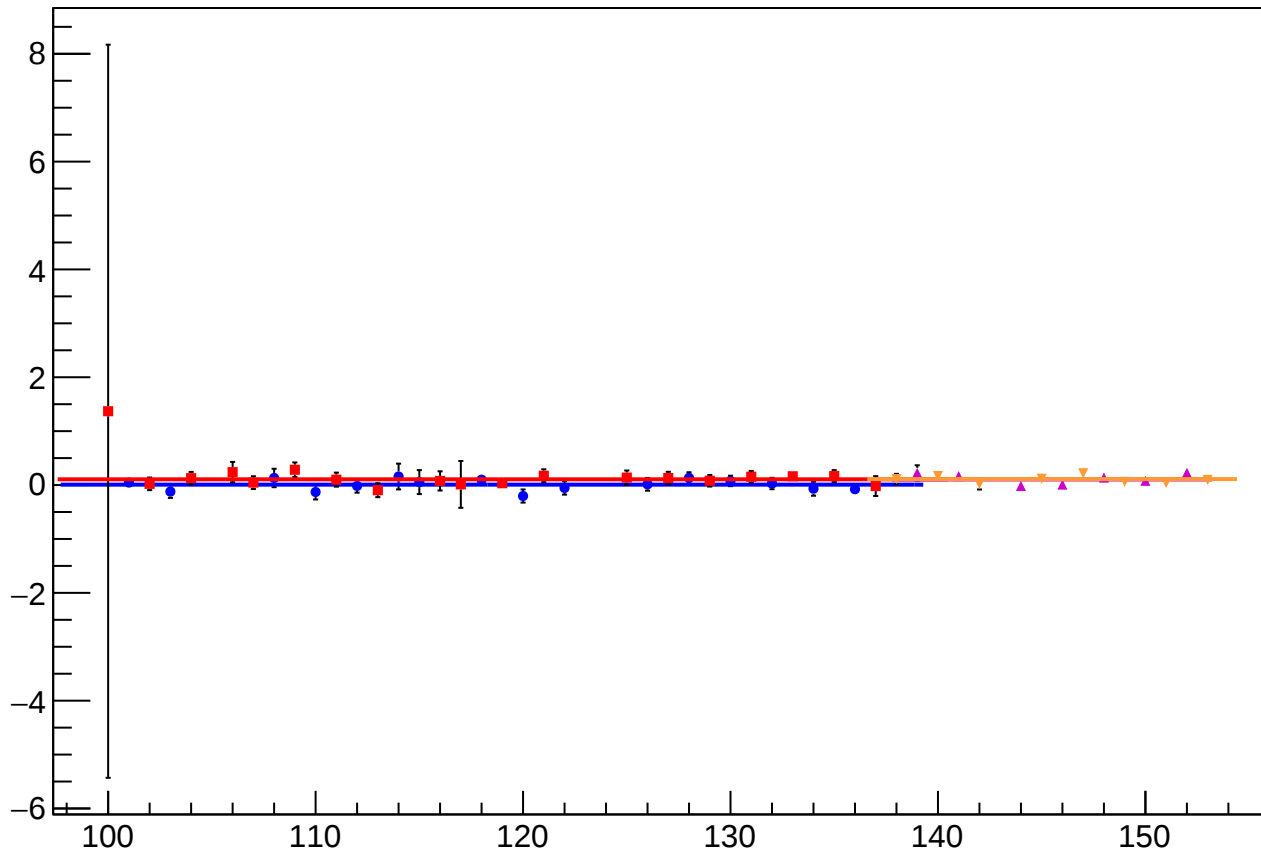
Right Out: 0.035 $\pm$ 0.045 χ^2 /NDF: 11.6/18

Left In: 0.038 $\pm$ 0.033 χ^2 /NDF: 8.3/6

0.043 $\pm$ 0.026 χ^2 /NDF: 19.4/23

0.037 $\pm$ 0.027 χ^2 /NDF: 19.8/25

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.007+/-0.027 χ^2/NDF : 11.3/15

Left Out: 0.110+/-0.027 χ^2/NDF : 6.3/7

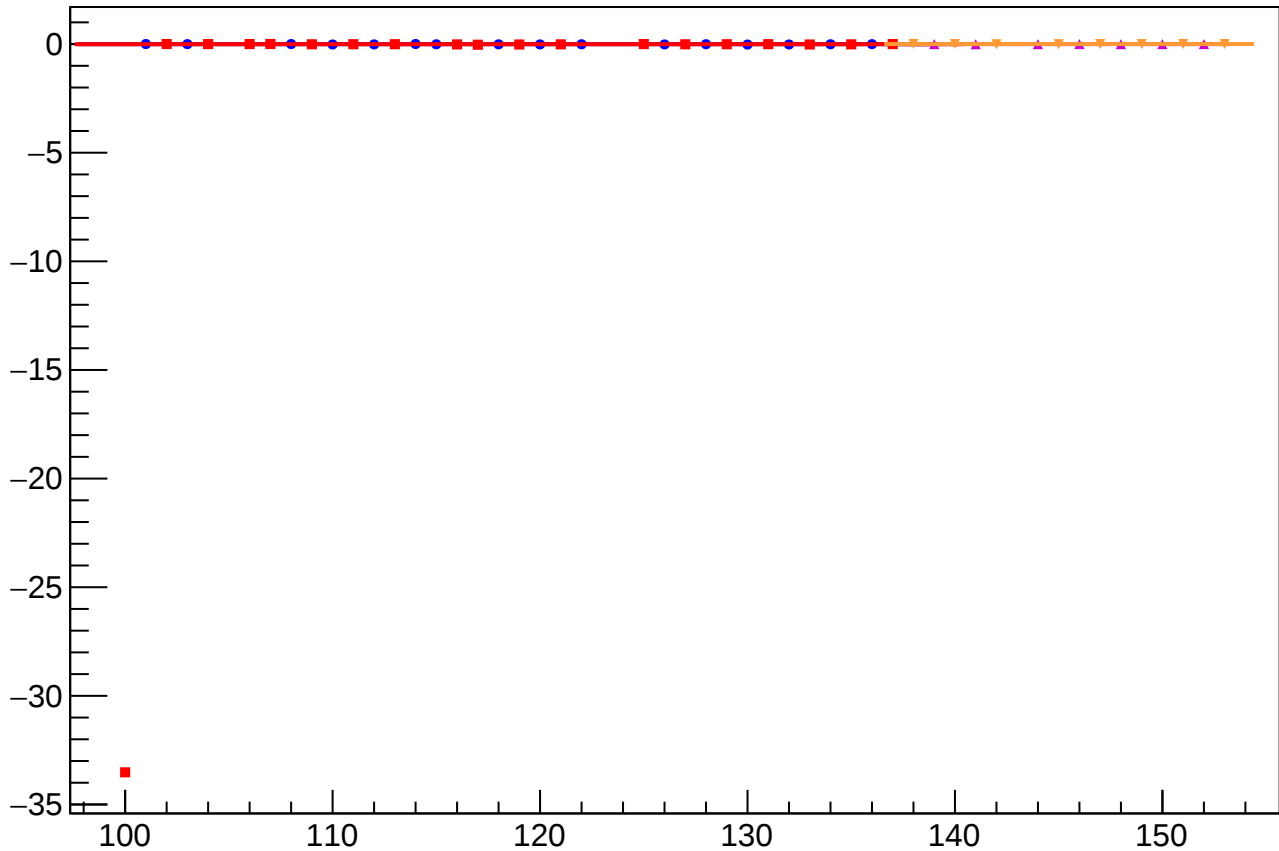
Right Out: 0.106+/-0.029 χ^2/NDF : 8.2/18

Left In: 0.104+/-0.028 χ^2/NDF : 9.2/6

0.059+/-0.019 χ^2/NDF : 24.7/23

0.105+/-0.020 χ^2/NDF : 17.4/25

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 $\pm$ 0.001 χ^2 /NDF: 21.8/15

Left Out: 0.001 $\pm$ 0.001 χ^2 /NDF: 6.6/7

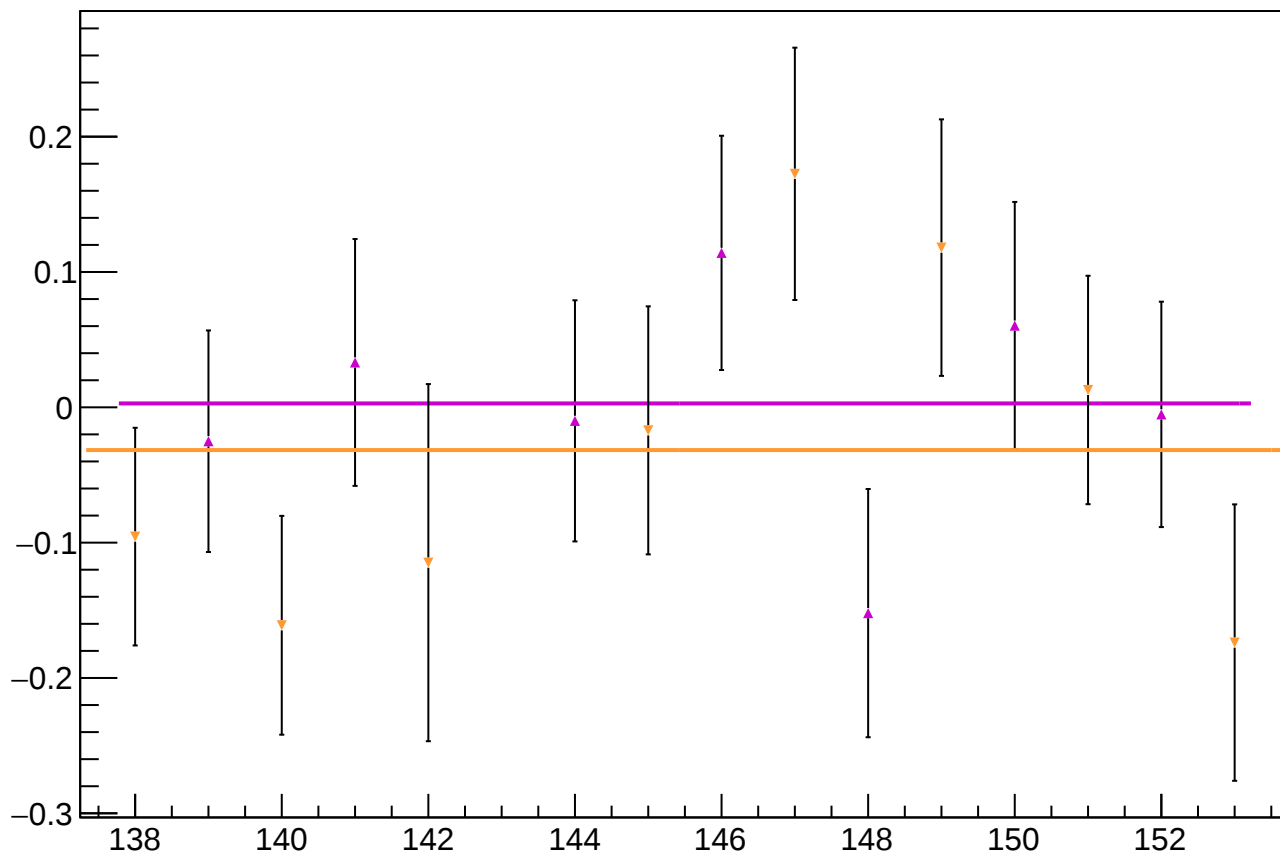
Right Out: -0.006 $\pm$ 0.001 χ^2 /NDF: 26509.5/18

Left In: -0.001 $\pm$ 0.001 χ^2 /NDF: 4.6/6

-0.002 $\pm$ 0.001 χ^2 /NDF: 38.1/23

-0.003 $\pm$ 0.001 χ^2 /NDF: 26520.3/25

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



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

Left Out: -0.032+/-0.033 χ^2/NDF : 13.1/7

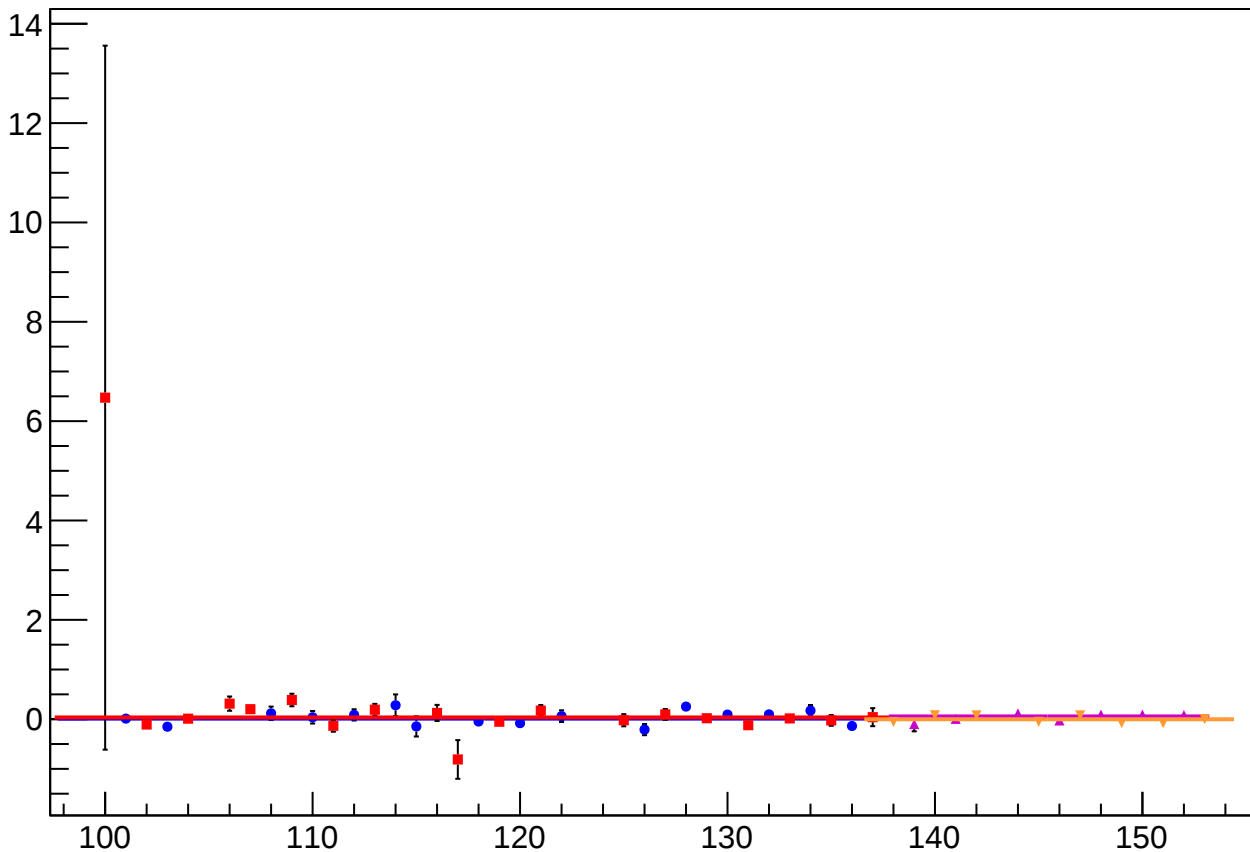
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.003+/-0.033 χ^2/NDF : 5.2/6

-0.032+/-0.033 χ^2/NDF : 13.1/7

0.003+/-0.033 χ^2/NDF : 5.2/6

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.012 ± 0.023 χ^2/NDF : 25.0/15

Left Out: -0.002 ± 0.022 χ^2/NDF : 10.6/7

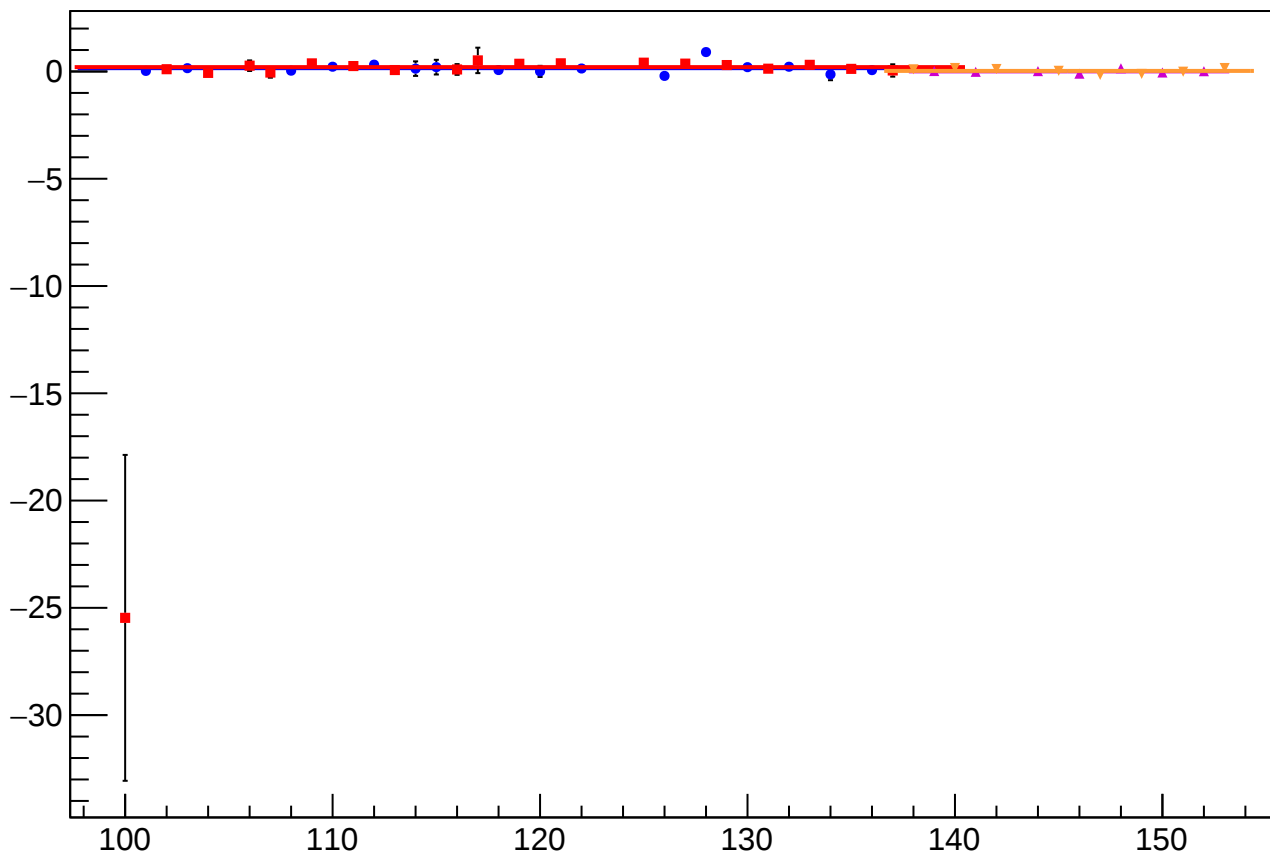
Right Out: 0.035 ± 0.025 χ^2/NDF : 33.2/18

Left In: 0.055 ± 0.023 χ^2/NDF : 6.2/6

0.005 ± 0.016 χ^2/NDF : 35.8/23

0.046 ± 0.017 χ^2/NDF : 39.7/25

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154+/-0.043 χ^2/NDF : 27.9/15

Left Out: 0.026+/-0.032 χ^2/NDF : 12.9/7

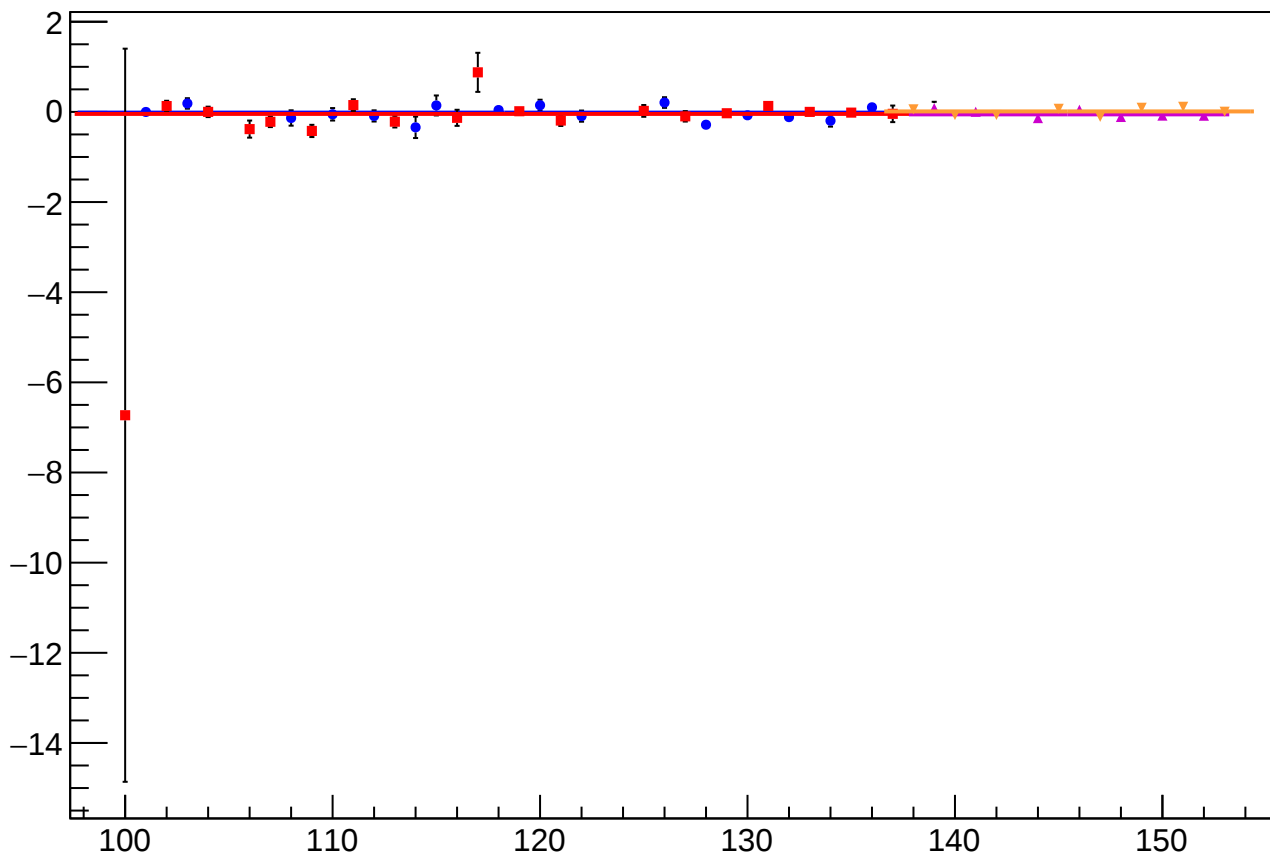
Right Out: 0.203+/-0.045 χ^2/NDF : 22.9/18

Left In: 0.004+/-0.033 χ^2/NDF : 5.0/6

0.073+/-0.026 χ^2/NDF : 46.5/23

0.074+/-0.027 χ^2/NDF : 40.6/25

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.016+/-0.027 χ^2 /NDF: 24.3/15

Left Out: 0.011+/-0.027 χ^2 /NDF:10.1/7

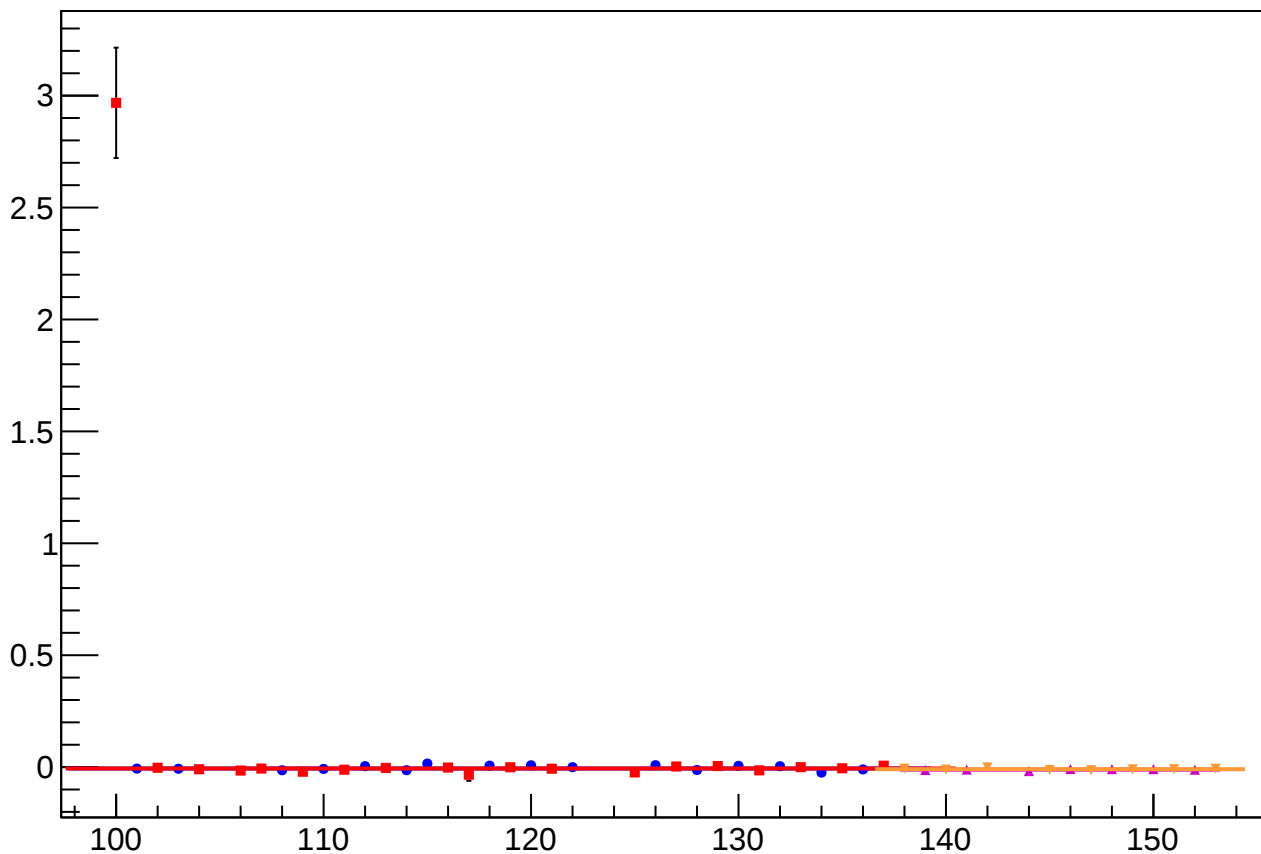
Right Out: -0.044+/-0.029 χ^2 /NDF: 30.5/18

Left In: -0.055+/-0.028 χ^2 /NDF:6.4/6

-0.003+/-0.019 χ^2 /NDF: 34.9/23

-0.050+/-0.020 χ^2 /NDF: 36.9/25

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 +/- 0.001 χ^2/NDF : 27.3/15

Left Out: -0.009 +/- 0.001 χ^2/NDF : 4.9/7

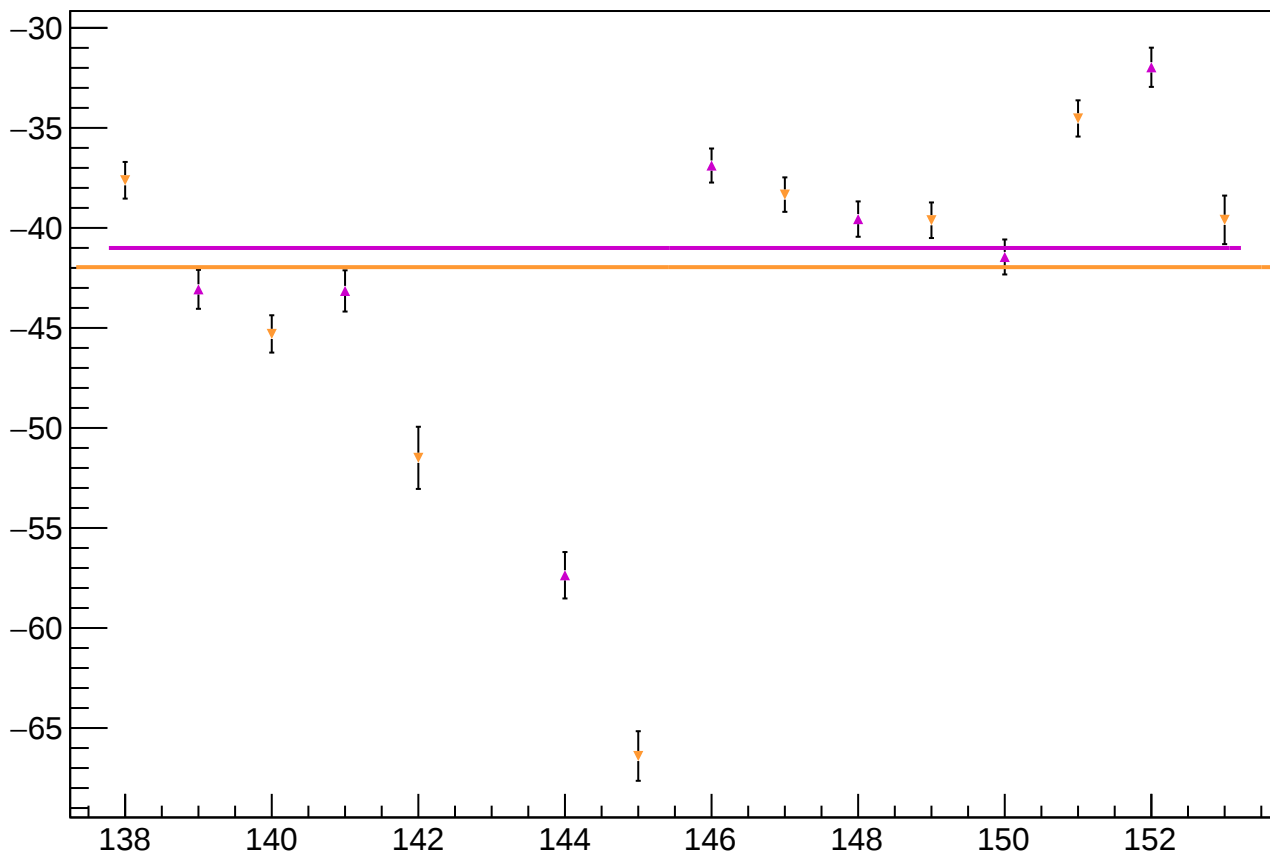
Right Out: -0.006 +/- 0.001 χ^2/NDF : 167.0/18

Left In: -0.011 +/- 0.001 χ^2/NDF : 4.1/6

-0.008 +/- 0.001 χ^2/NDF : 34.8/23

-0.009 +/- 0.001 χ^2/NDF : 177.7/25

reg_asym_left_avg_diff_bpm1X_slope vs Slug



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

Left Out: -41.961+/-0.355 χ^2/NDF : 557.4/7

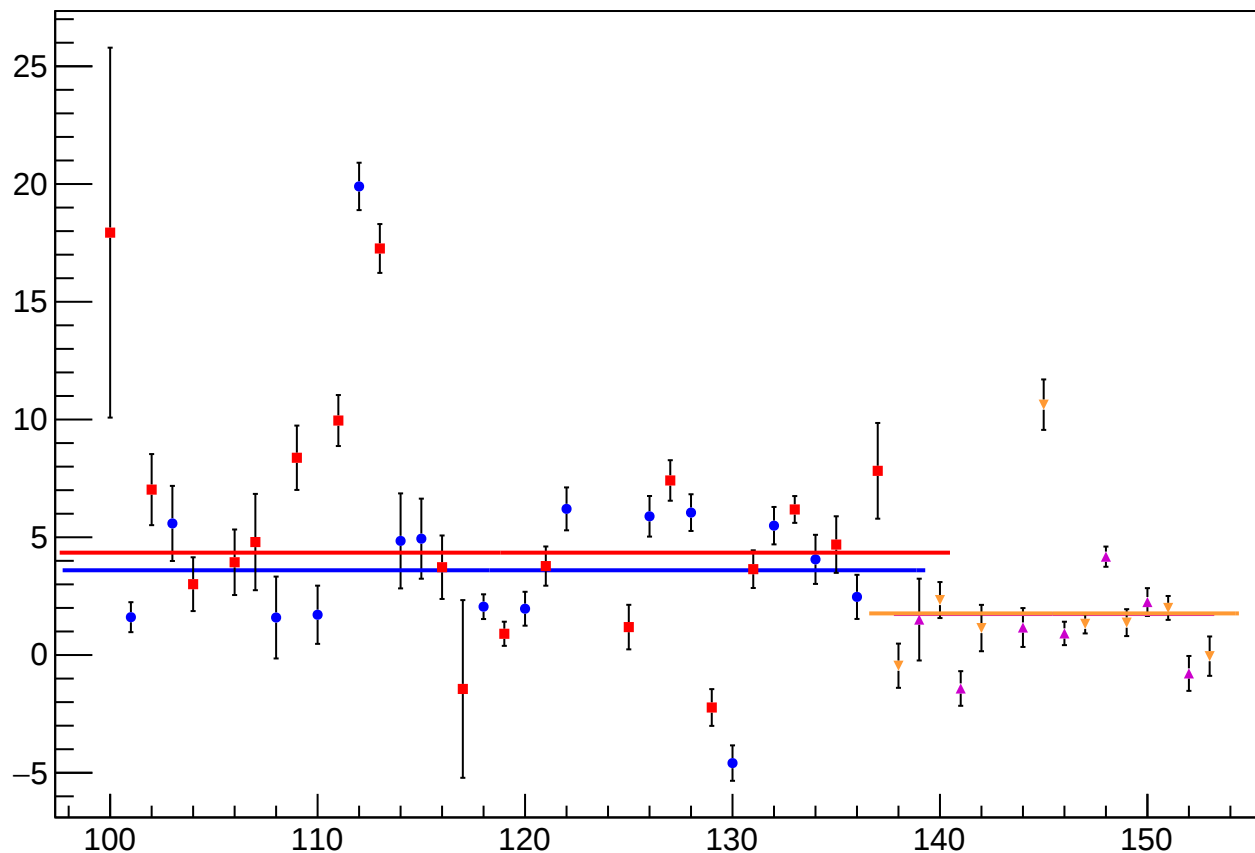
-41.961+/-0.355 χ^2/NDF : 557.4/7

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

-41.003+/-0.359 χ^2/NDF : 318.9/6

Left In: -41.003+/-0.359 χ^2/NDF : 318.9/6

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.599 ± 0.220 χ^2/NDF : 443.4/15

Left Out: 1.767 ± 0.229 χ^2/NDF : 81.6/7

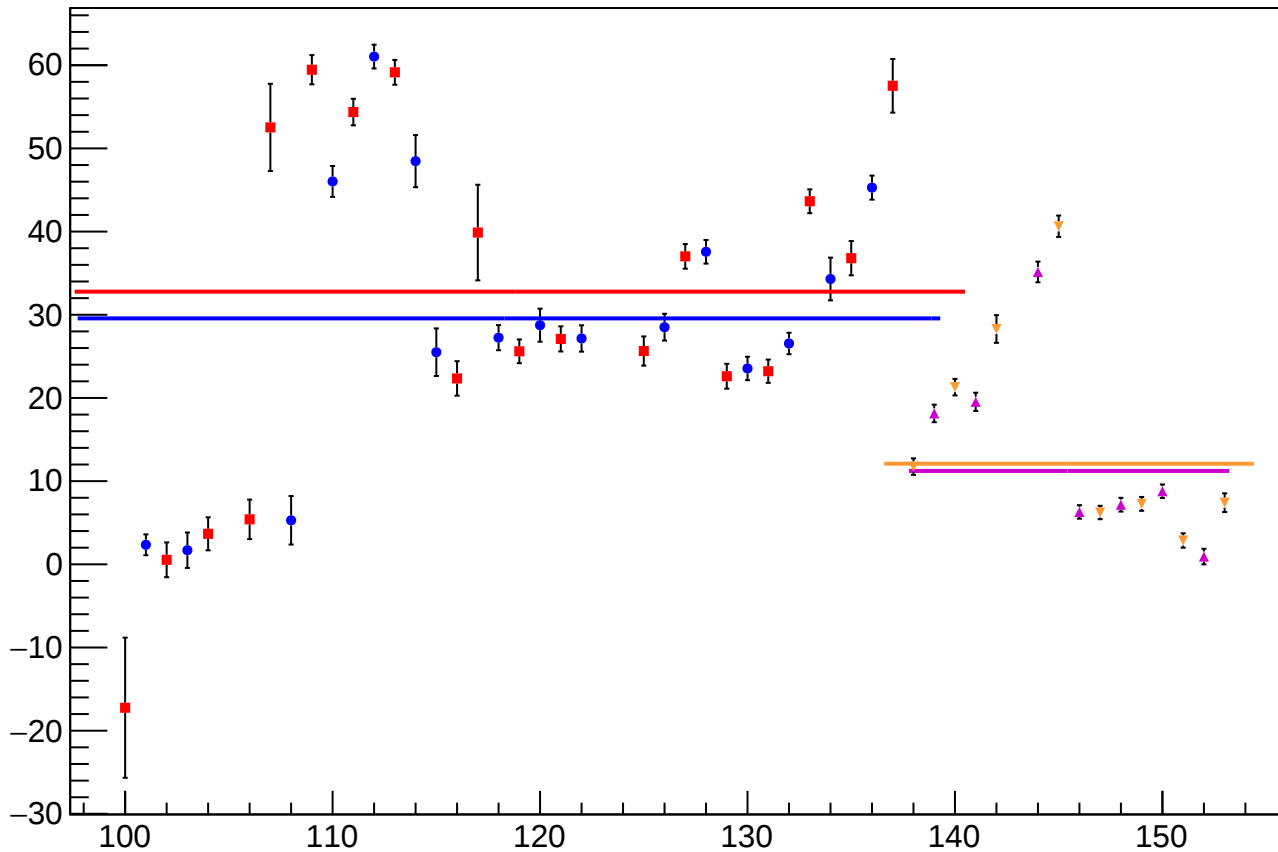
Right Out: 4.347 ± 0.224 χ^2/NDF : 355.4/18

Left In: 1.741 ± 0.237 χ^2/NDF : 66.3/6

2.717 ± 0.159 χ^2/NDF : 558.3/23

3.114 ± 0.163 χ^2/NDF : 485.5/25

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 29.564 $\pm$ 0.420 χ^2 /NDF: 1494.6/15

Left Out: 12.097 $\pm$ 0.351 χ^2 /NDF: 891.2/7

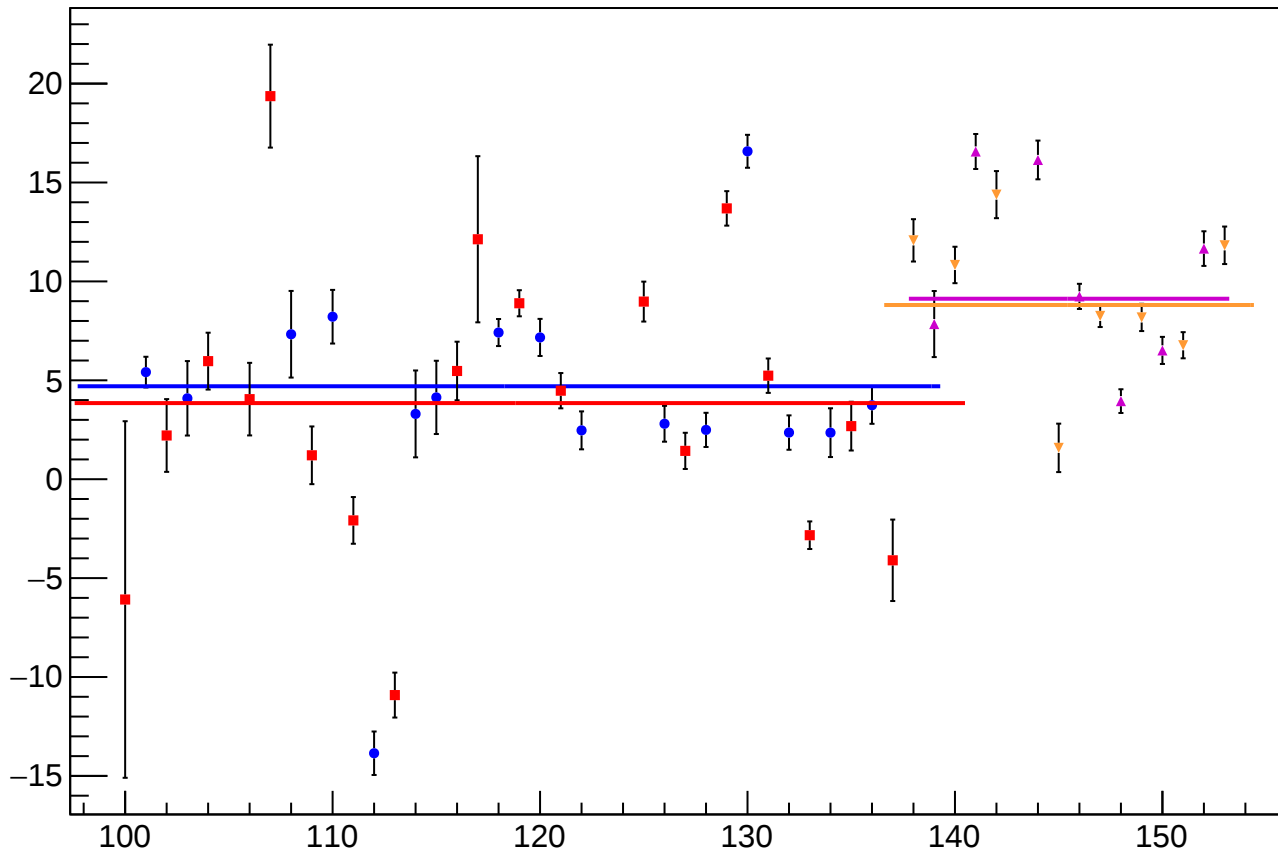
Right Out: 32.780 $\pm$ 0.422 χ^2 /NDF: 1664.8/18

Left In: 11.225 $\pm$ 0.354 χ^2 /NDF: 661.8/6

19.294 $\pm$ 0.269 χ^2 /NDF: 3404.9/23

20.142 $\pm$ 0.271 χ^2 /NDF: 3859.1/25

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.699 ± 0.254 $\chi^2/\text{NDF}: 548.9/15$

Left Out: 8.807 ± 0.288 $\chi^2/\text{NDF}: 92.3/7$

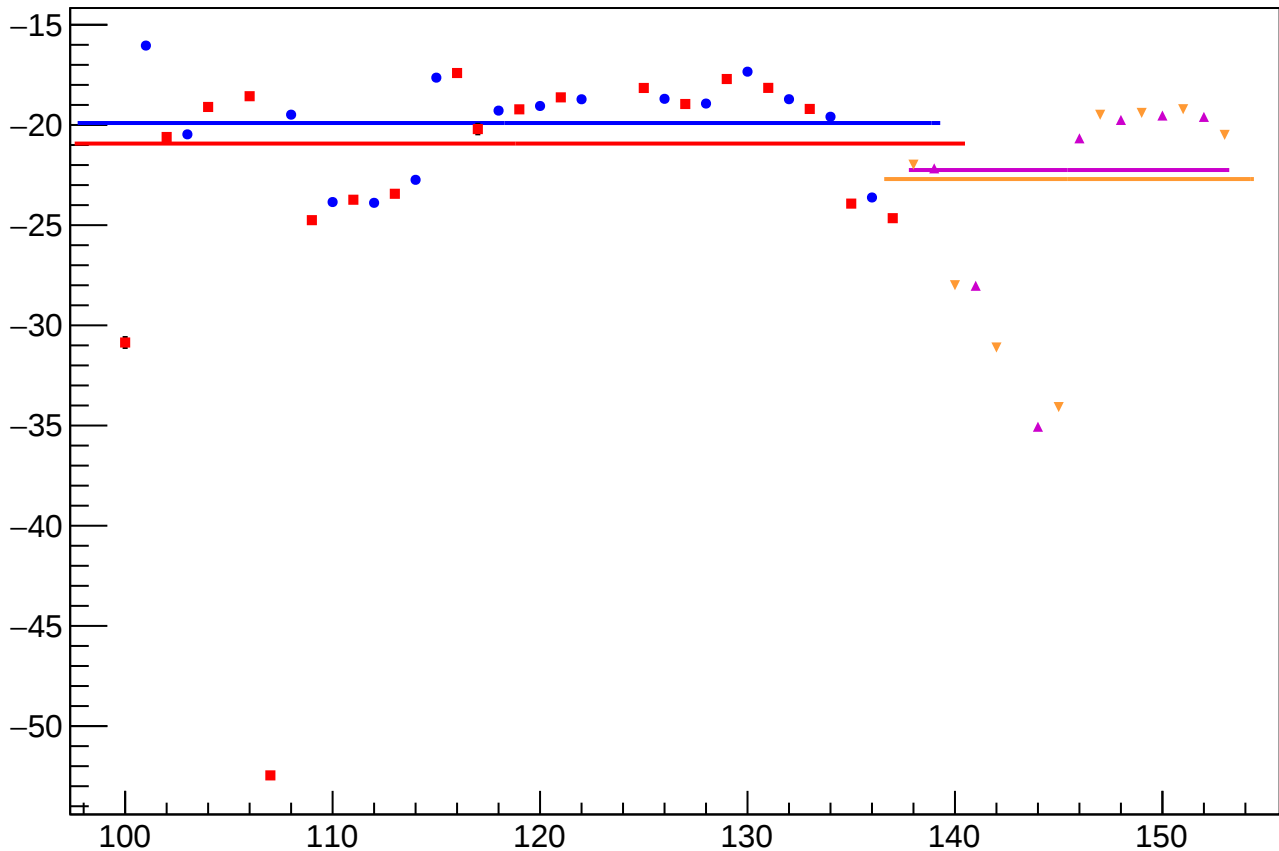
Right Out: 3.848 ± 0.258 $\chi^2/\text{NDF}: 571.5/18$

Left In: 9.124 ± 0.297 $\chi^2/\text{NDF}: 220.2/6$

6.499 ± 0.190 $\chi^2/\text{NDF}: 755.8/23$

6.120 ± 0.195 $\chi^2/\text{NDF}: 971.8/25$

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.902 ± 0.016 $\chi^2/\text{NDF}: 26054.0/15$

Left Out: -22.699 ± 0.015 $\chi^2/\text{NDF}: 108238.6/7$

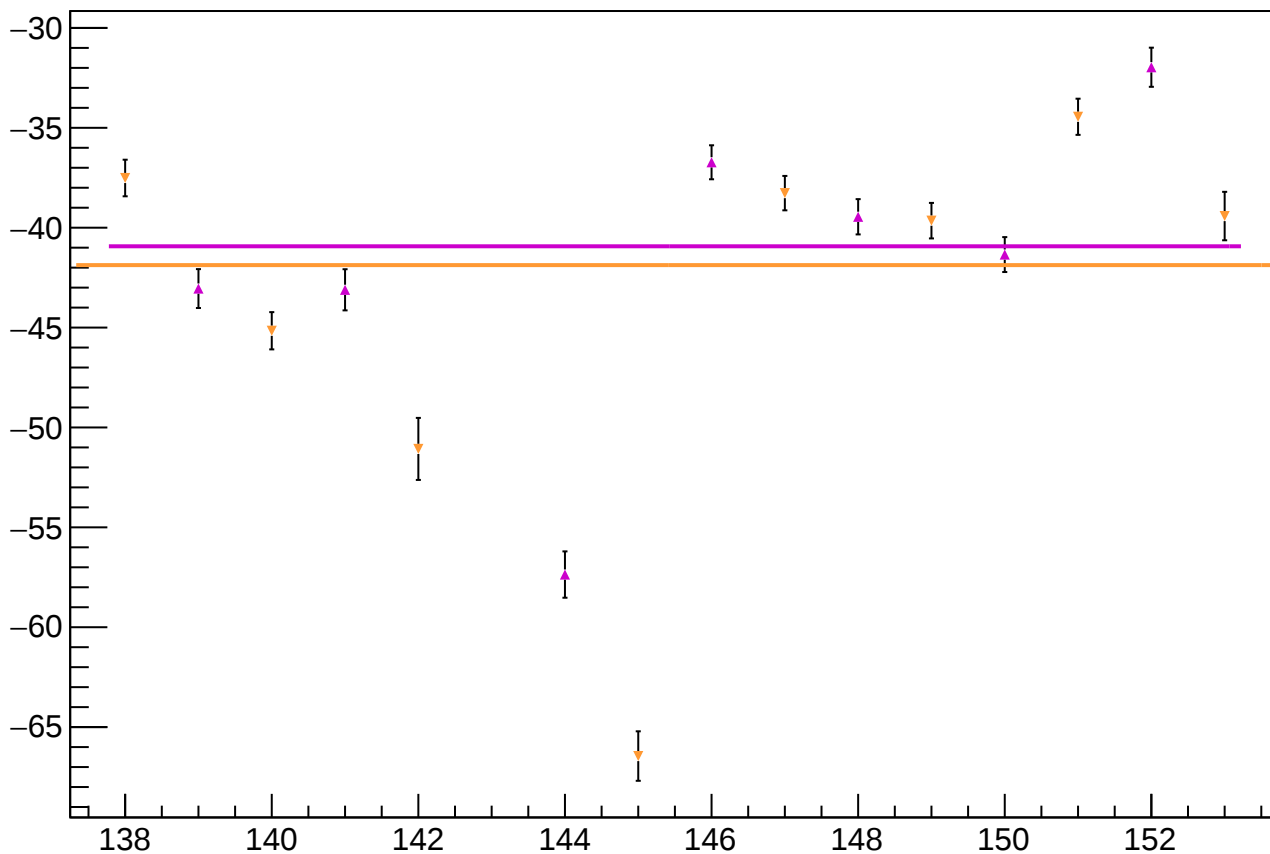
Right Out: -20.928 ± 0.016 $\chi^2/\text{NDF}: 94015.9/18$

Left In: -22.248 ± 0.015 $\chi^2/\text{NDF}: 90139.4/6$

-21.382 ± 0.011 $\chi^2/\text{NDF}: 151192.7/23$

-21.630 ± 0.011 $\chi^2/\text{NDF}: 187917.5/25$

reg_asym_left_dd_diff_bpm1X_slope vs Slug



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

Left Out: -41.873+/-0.355 χ^2/NDF : 559.0/7

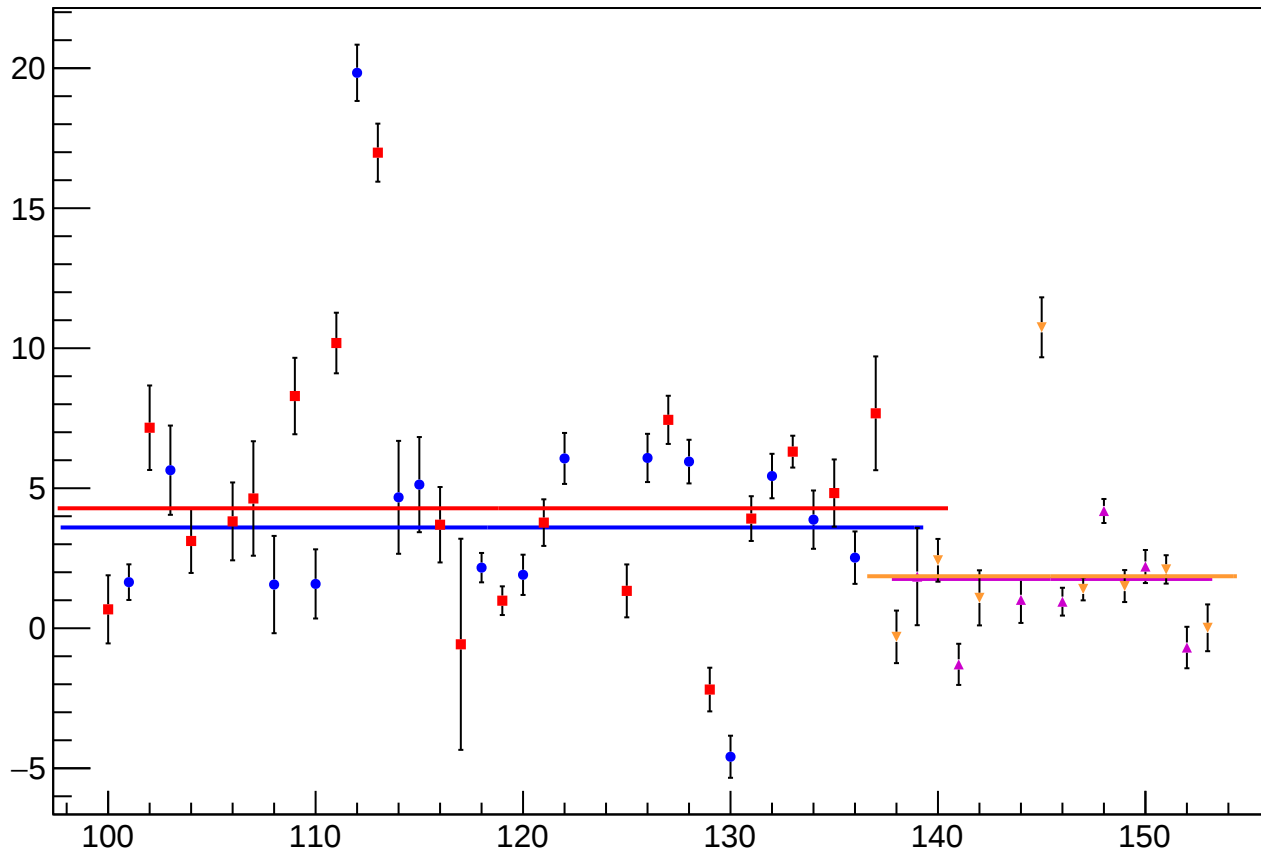
-41.873+/-0.355 χ^2/NDF : 559.0/7

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

-40.931+/-0.359 χ^2/NDF : 321.1/6

Left In: -40.931+/-0.359 χ^2/NDF : 321.1/6

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.599 ± 0.220 χ^2/NDF : 440.3/15

Left Out: 1.857 ± 0.229 χ^2/NDF : 82.1/7

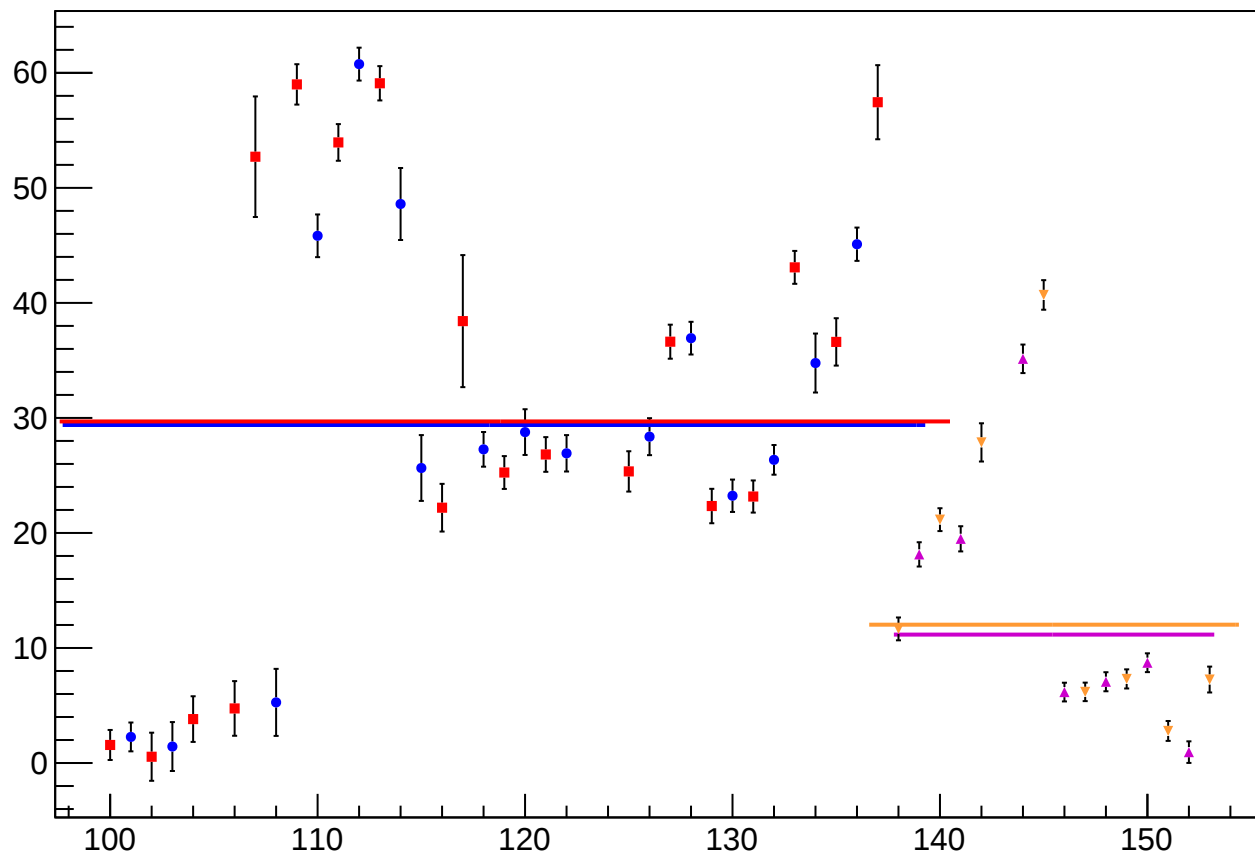
Right Out: 4.284 ± 0.221 χ^2/NDF : 353.8/18

Left In: 1.761 ± 0.237 χ^2/NDF : 64.3/6

2.761 ± 0.159 χ^2/NDF : 552.5/23

3.111 ± 0.161 χ^2/NDF : 478.9/25

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 29.387 $\pm$ 0.419 χ^2/NDF : 1488.6/15

Left Out: 12.025 $\pm$ 0.351 χ^2/NDF : 890.0/7

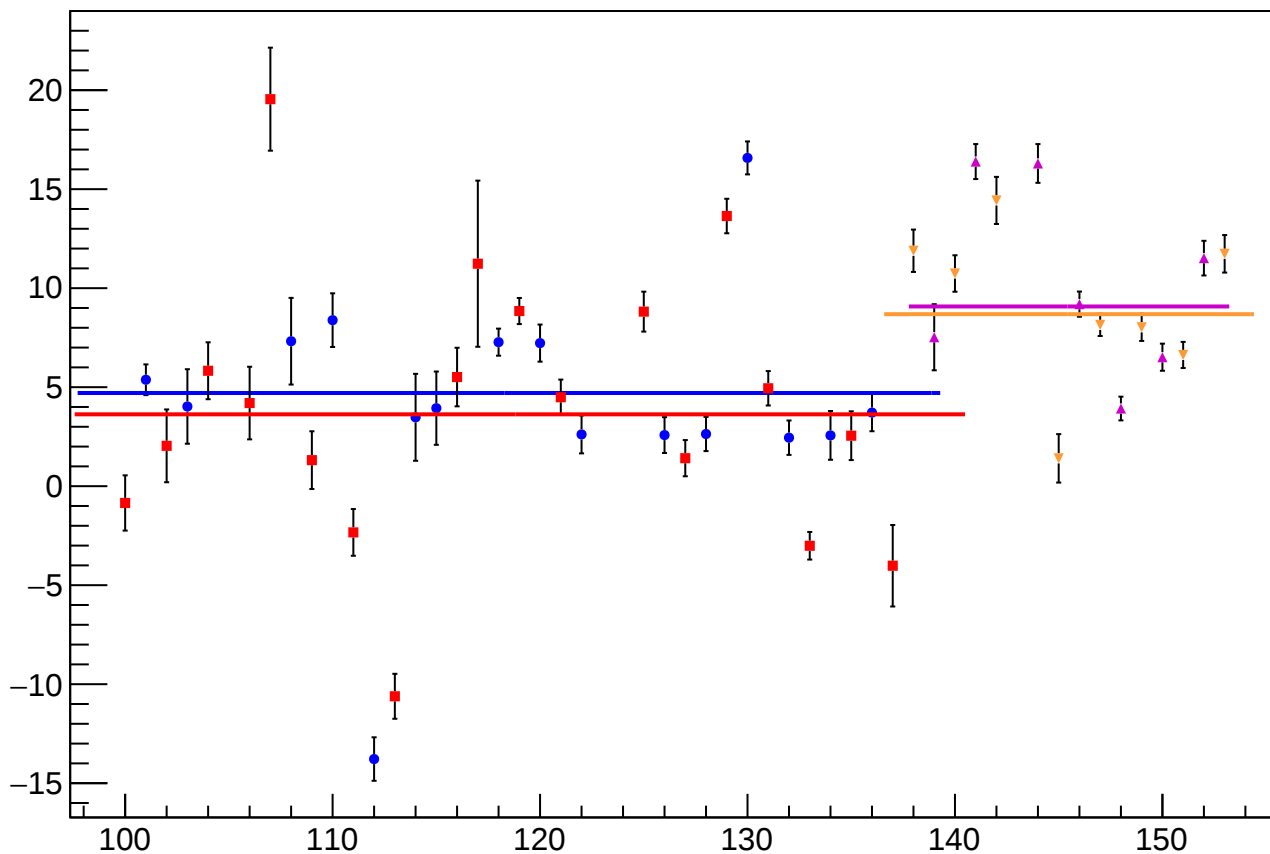
Right Out: 29.695 $\pm$ 0.401 χ^2/NDF : 2133.3/18

Left In: 11.163 $\pm$ 0.354 χ^2/NDF : 664.9/6

19.180 $\pm$ 0.269 χ^2/NDF : 3386.8/23

19.269 $\pm$ 0.265 χ^2/NDF : 3997.6/25

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.706 ± 0.254 $\chi^2/\text{NDF}: 545.2/15$

Left Out: 8.686 ± 0.288 $\chi^2/\text{NDF}: 94.6/7$

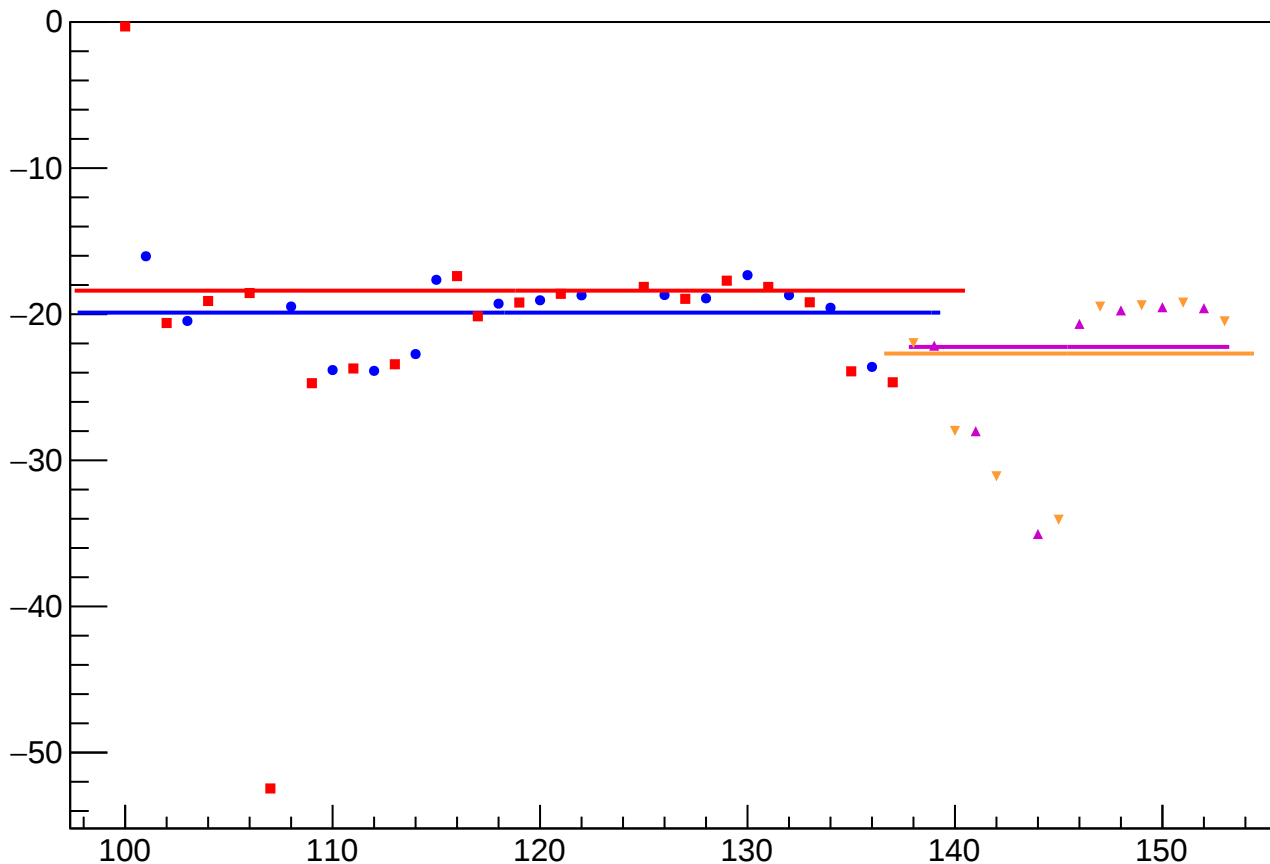
Right Out: 3.629 ± 0.254 $\chi^2/\text{NDF}: 576.7/18$

Left In: 9.076 ± 0.296 $\chi^2/\text{NDF}: 219.7/6$

6.450 ± 0.190 $\chi^2/\text{NDF}: 747.4/23$

5.931 ± 0.193 $\chi^2/\text{NDF}: 991.4/25$

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.890 ± 0.016 χ^2/NDF : 26044.4/15

Left Out: -22.691 ± 0.015 χ^2/NDF : 108298.1/7

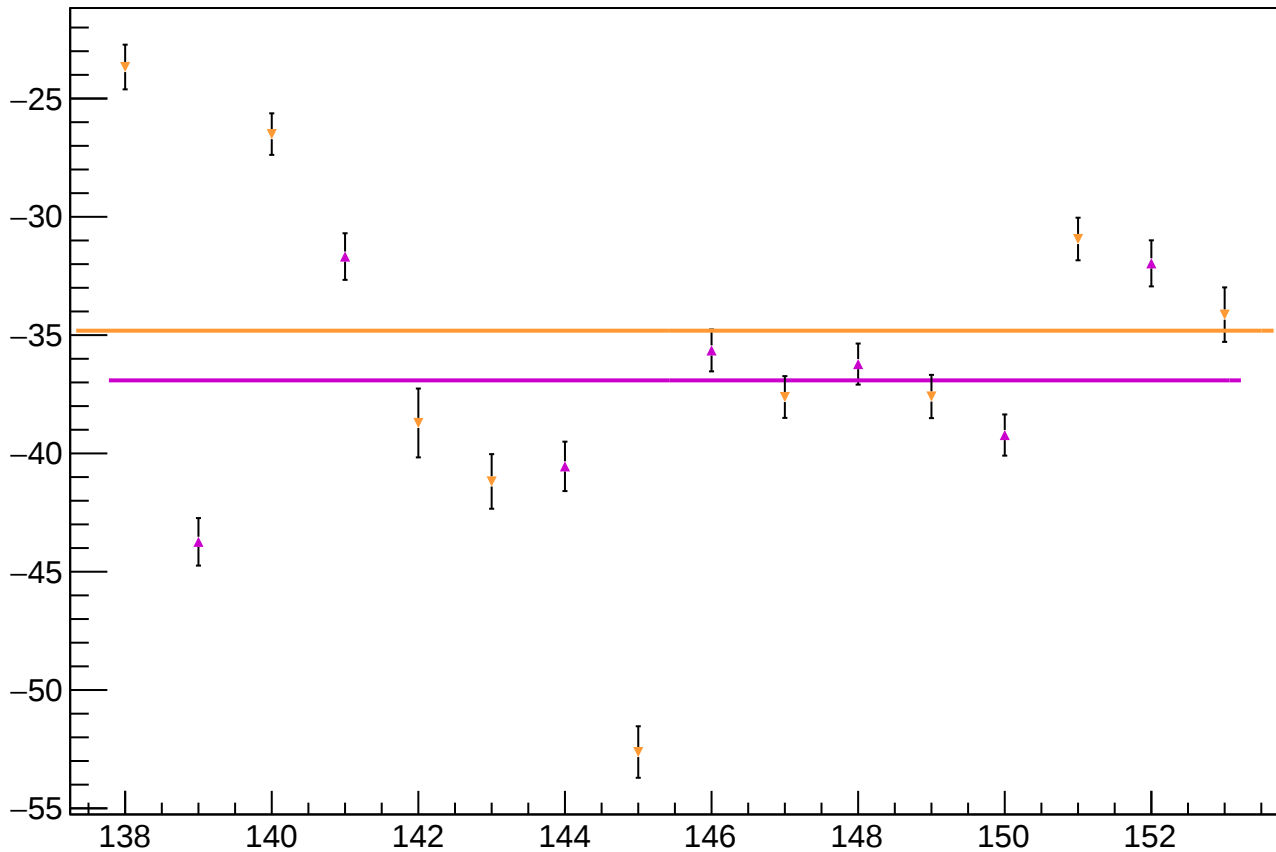
Right Out: -18.386 ± 0.015 χ^2/NDF : 301044.3/18

Left In: -22.237 ± 0.015 χ^2/NDF : 90094.4/6

-21.372 ± 0.011 χ^2/NDF : 151311.1/23

-20.311 ± 0.010 χ^2/NDF : 425349.0/25

reg_asym_right_avg_diff_bpm1X_slope vs Slug



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

Left Out: -34.812+/-0.334 χ^2/NDF : 571.9/8

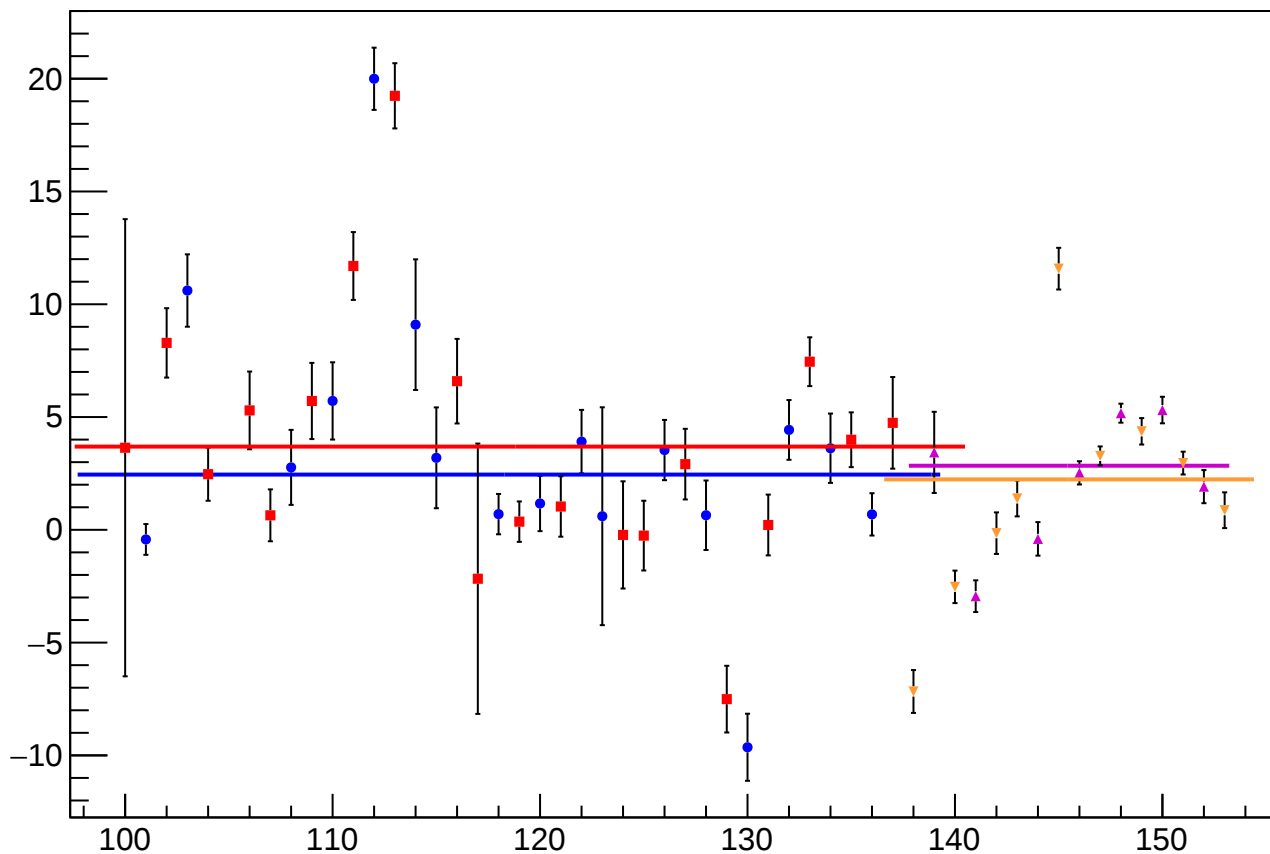
-34.812+/-0.334 χ^2/NDF : 571.9/8

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

Left In: -36.913+/-0.355 χ^2/NDF : 122.0/6

-36.913+/-0.355 χ^2/NDF : 122.0/6

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.449 ± 0.314 χ^2/NDF : 295.3/16

Left Out: 2.236 ± 0.218 χ^2/NDF : 276.0/8

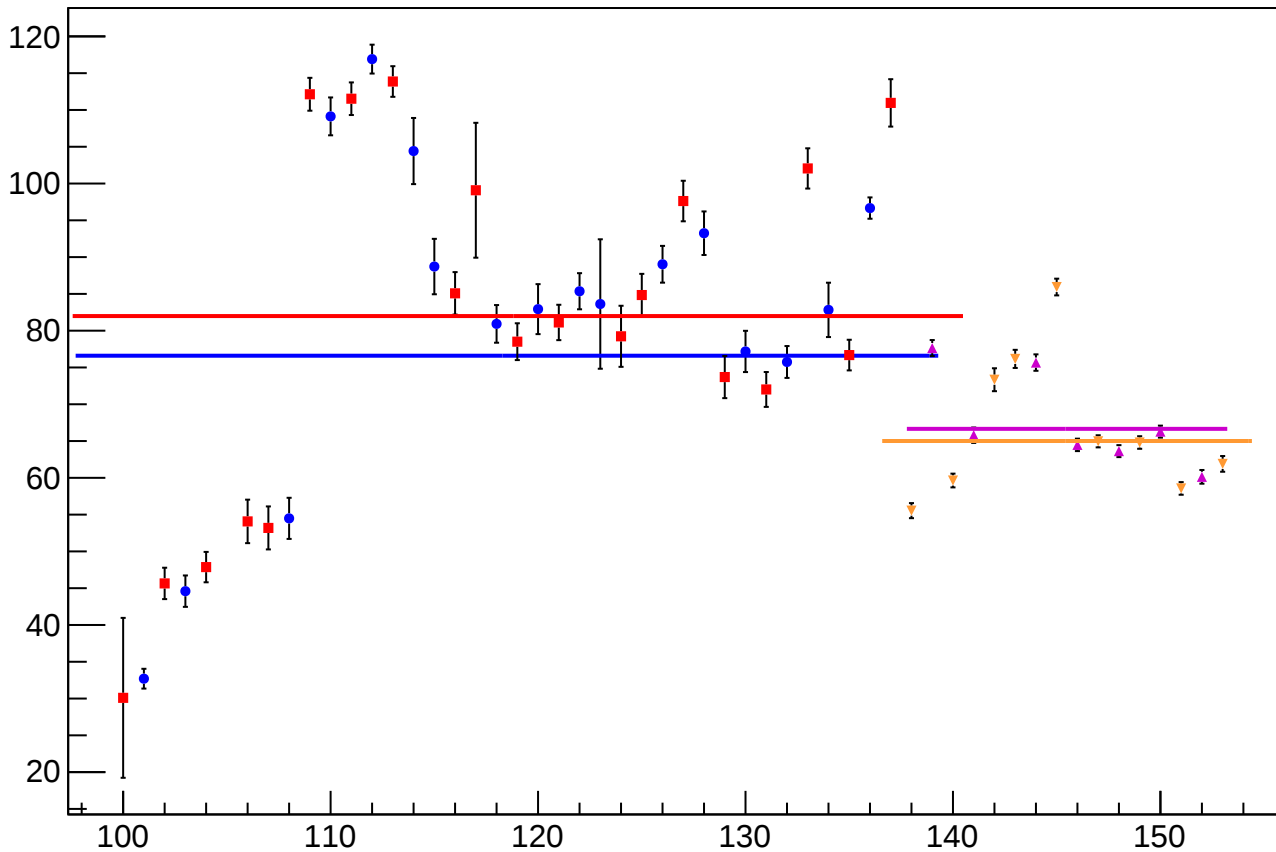
Right Out: 3.690 ± 0.326 χ^2/NDF : 270.4/19

Left In: 2.841 ± 0.234 χ^2/NDF : 136.9/6

2.305 ± 0.179 χ^2/NDF : 571.6/25

3.130 ± 0.190 χ^2/NDF : 411.7/26

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.598 ± 0.576 χ^2/NDF : 2255.1/16

Left Out: 65.006 ± 0.333 χ^2/NDF : 632.4/8

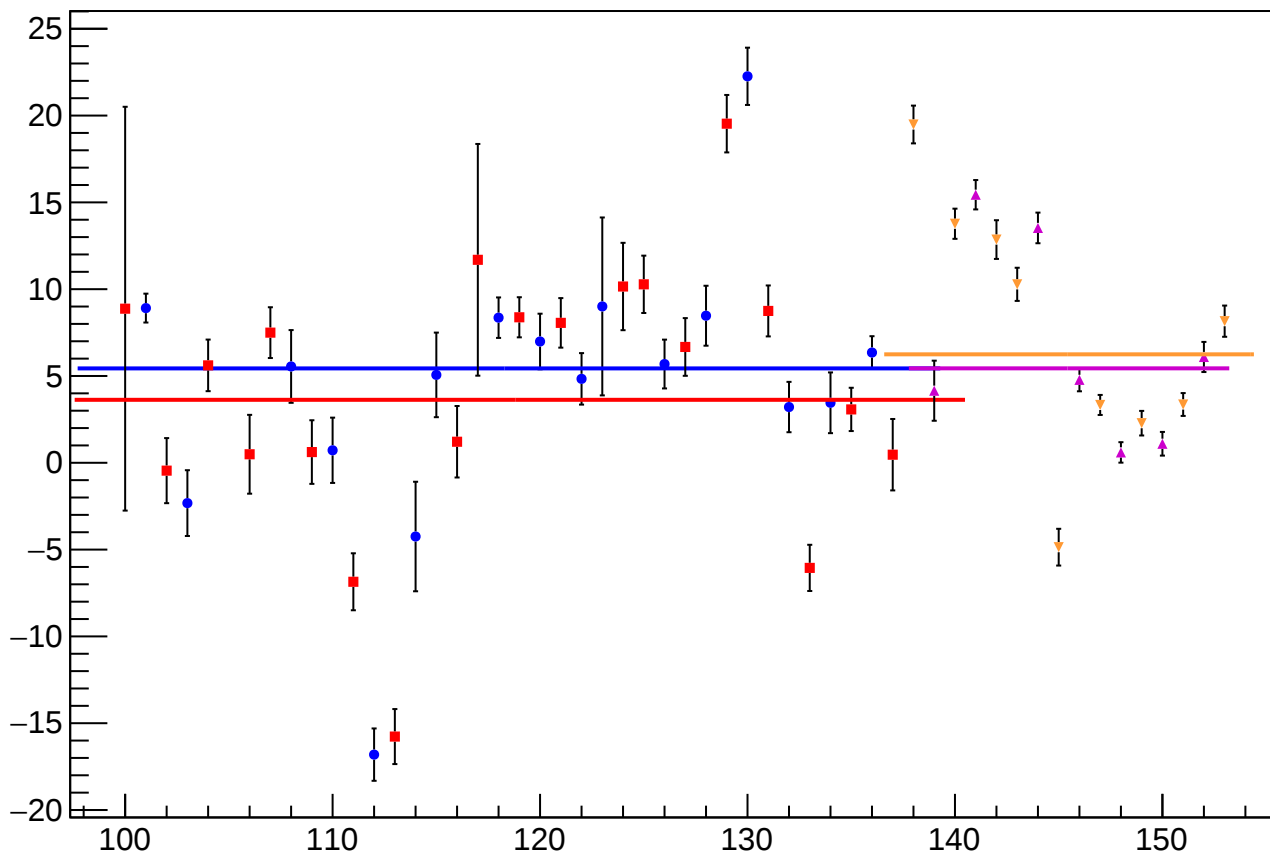
Right Out: 81.987 ± 0.591 χ^2/NDF : 1574.2/19

Left In: 66.658 ± 0.351 χ^2/NDF : 237.1/6

67.911 ± 0.288 χ^2/NDF : 3191.0/25

70.655 ± 0.302 χ^2/NDF : 2309.0/26

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.436+/-0.360 χ^2/NDF : 387.2/16

Left Out: 6.247+/-0.272 χ^2/NDF : 466.8/8

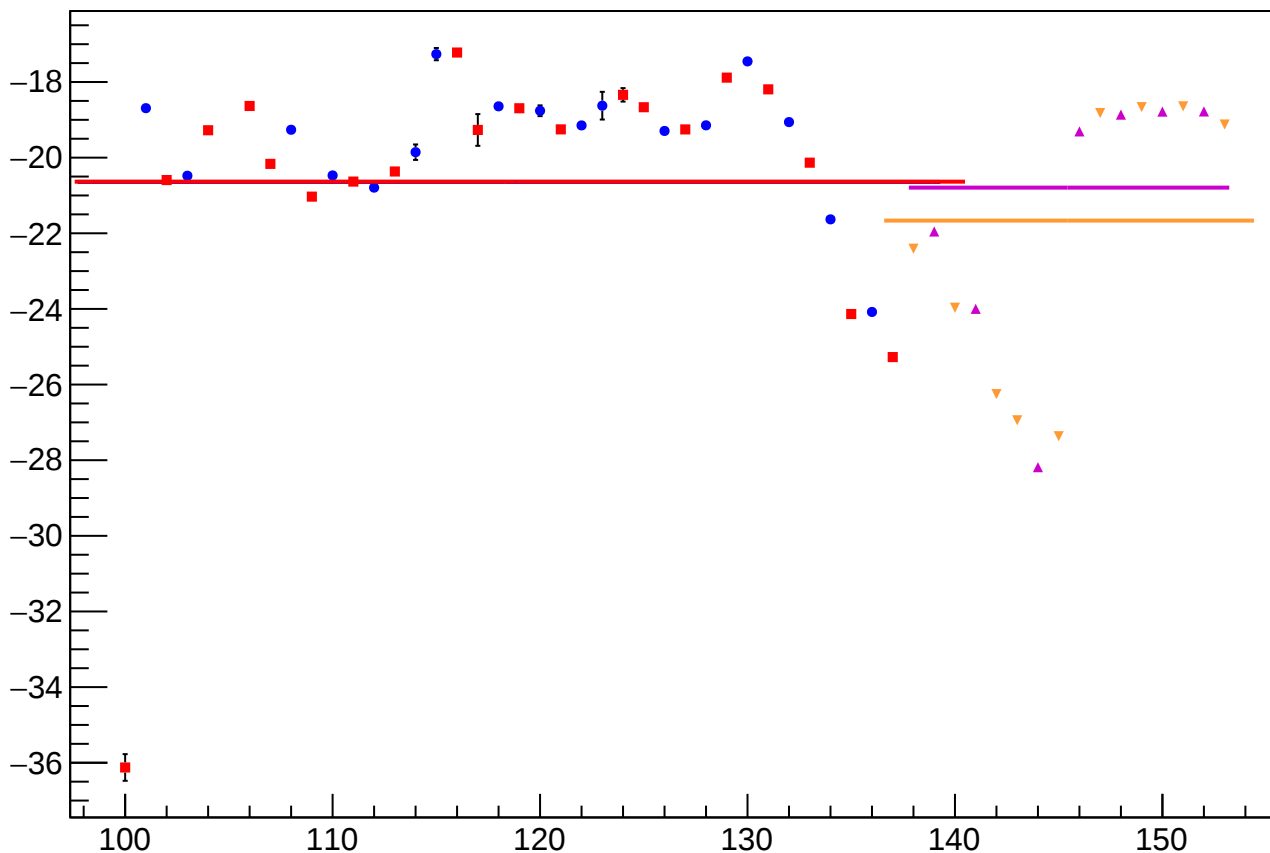
Right Out: 3.628+/-0.374 χ^2/NDF : 424.8/19

Left In: 5.440+/-0.293 χ^2/NDF : 334.0/6

5.953+/-0.217 χ^2/NDF : 857.3/25

4.752+/-0.231 χ^2/NDF : 773.3/26

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.642±/0.019 χ^2/NDF : 12431.5/16

Left Out: -21.664±/0.014 χ^2/NDF : 59318.5/8

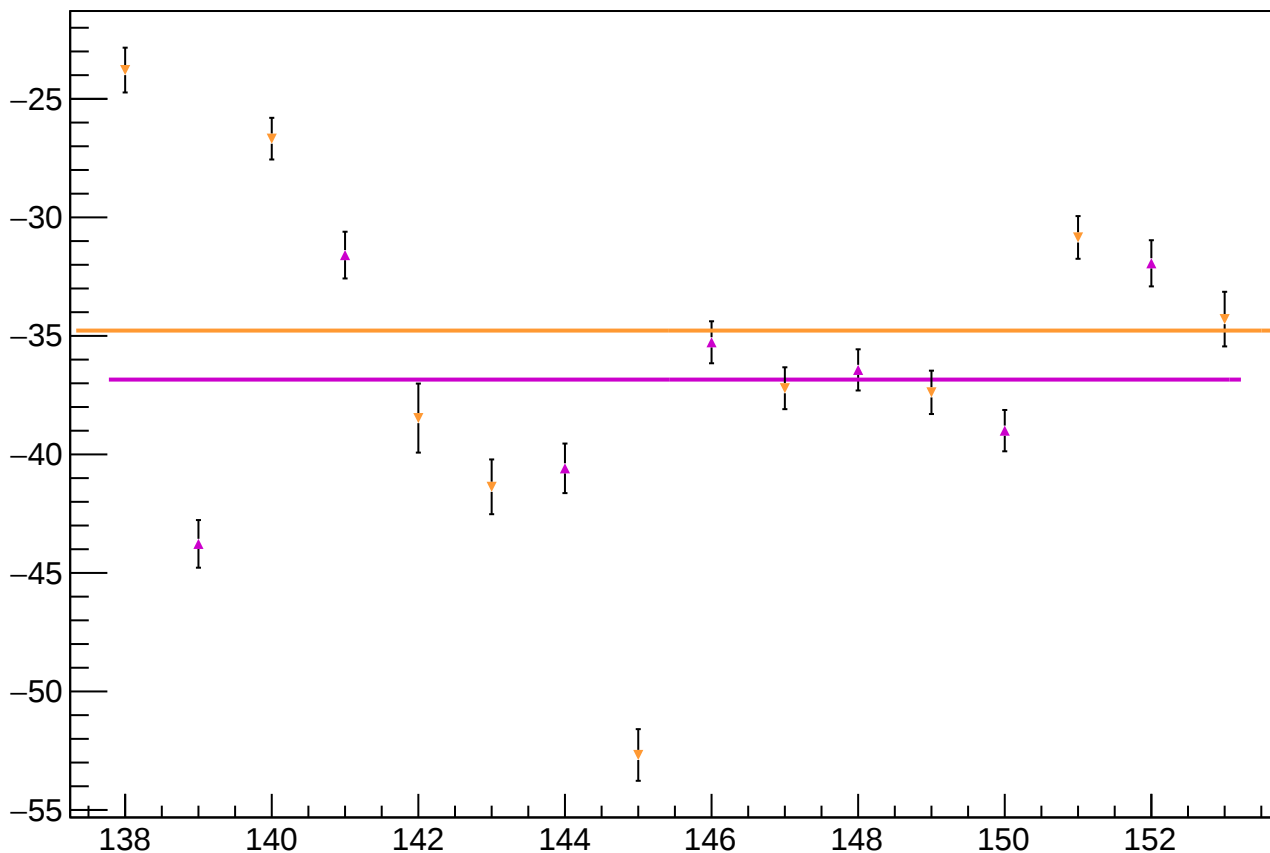
Right Out: -20.635±/0.019 χ^2/NDF : 13794.0/19

Left In: -20.792±/0.015 χ^2/NDF : 40290.1/6

-21.316±/0.011 χ^2/NDF : 73592.4/25

-20.736±/0.012 χ^2/NDF : 54126.0/26

reg_asym_right_dd_diff_bpm1X_slope vs Slug



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

Left Out: -34.775+/-0.334 χ^2/NDF : 563.9/8

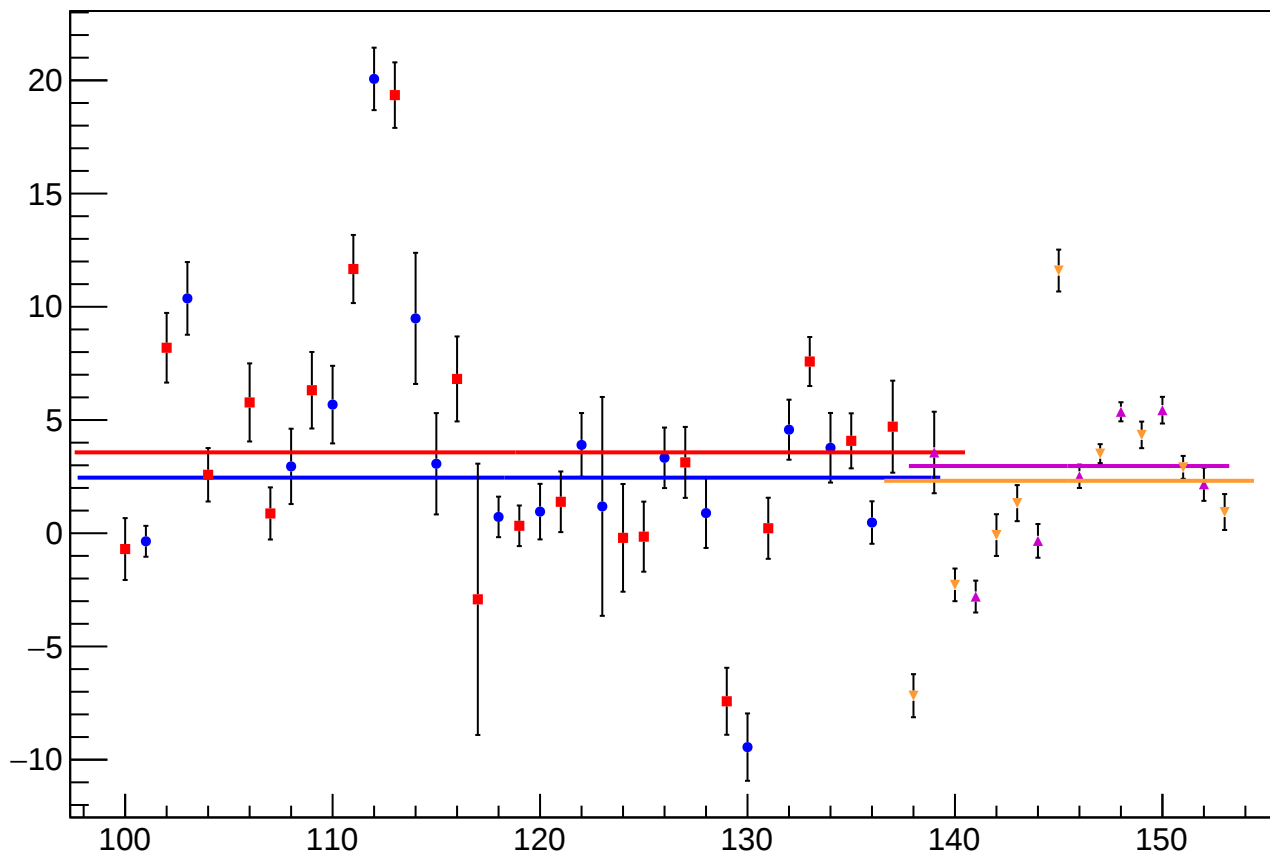
-34.775+/-0.334 χ^2/NDF : 563.9/8

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

Left In: -36.843+/-0.356 χ^2/NDF : 123.6/6

-36.843+/-0.356 χ^2/NDF : 123.6/6

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.455 ± 0.315 χ^2/NDF : 293.5/16

Left Out: 2.316 ± 0.218 χ^2/NDF : 273.8/8

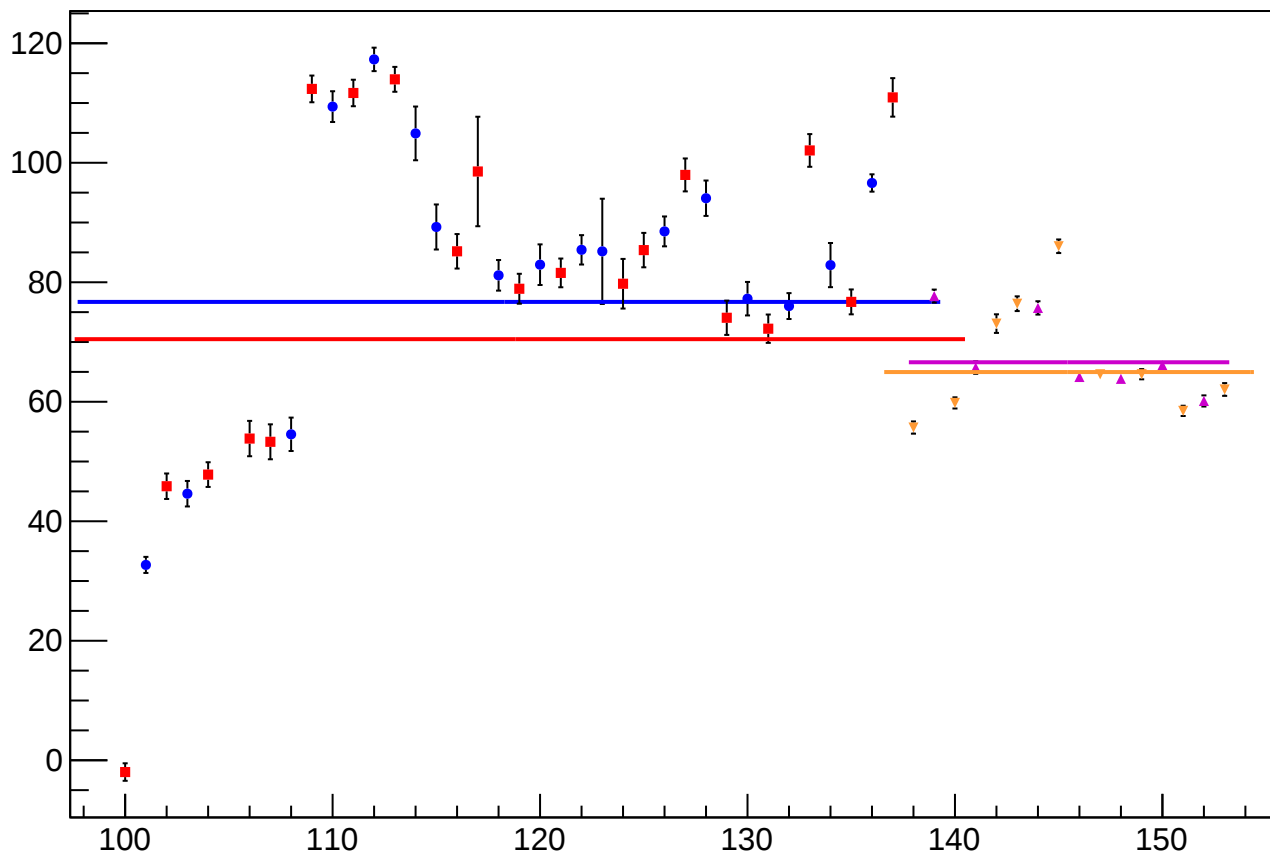
Right Out: 3.571 ± 0.317 χ^2/NDF : 281.0/19

Left In: 2.968 ± 0.234 χ^2/NDF : 138.7/6

2.361 ± 0.179 χ^2/NDF : 567.5/25

3.181 ± 0.188 χ^2/NDF : 422.1/26

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.713+/-0.576 χ^2/NDF : 2266.6/16

Left Out: 64.974+/-0.333 χ^2/NDF : 632.9/8

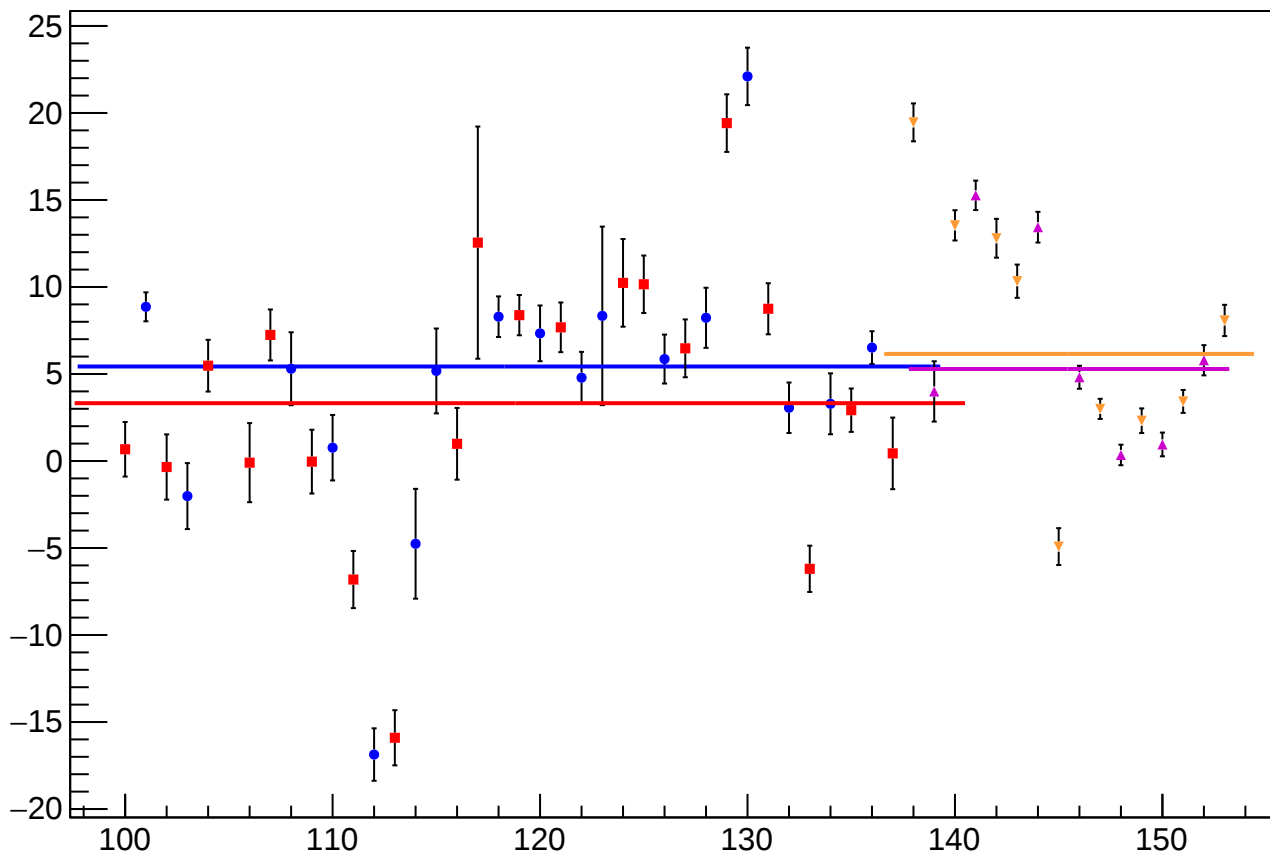
Right Out: 70.477+/-0.549 χ^2/NDF : 4400.1/19

Left In: 66.612+/-0.351 χ^2/NDF : 238.9/6

67.916+/-0.289 χ^2/NDF : 3210.4/25

67.734+/-0.296 χ^2/NDF : 4674.2/26

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.430 $\pm$ 0.361 χ^2 /NDF: 385.9/16

5.891 $\pm$ 0.217 χ^2 /NDF: 855.0/25

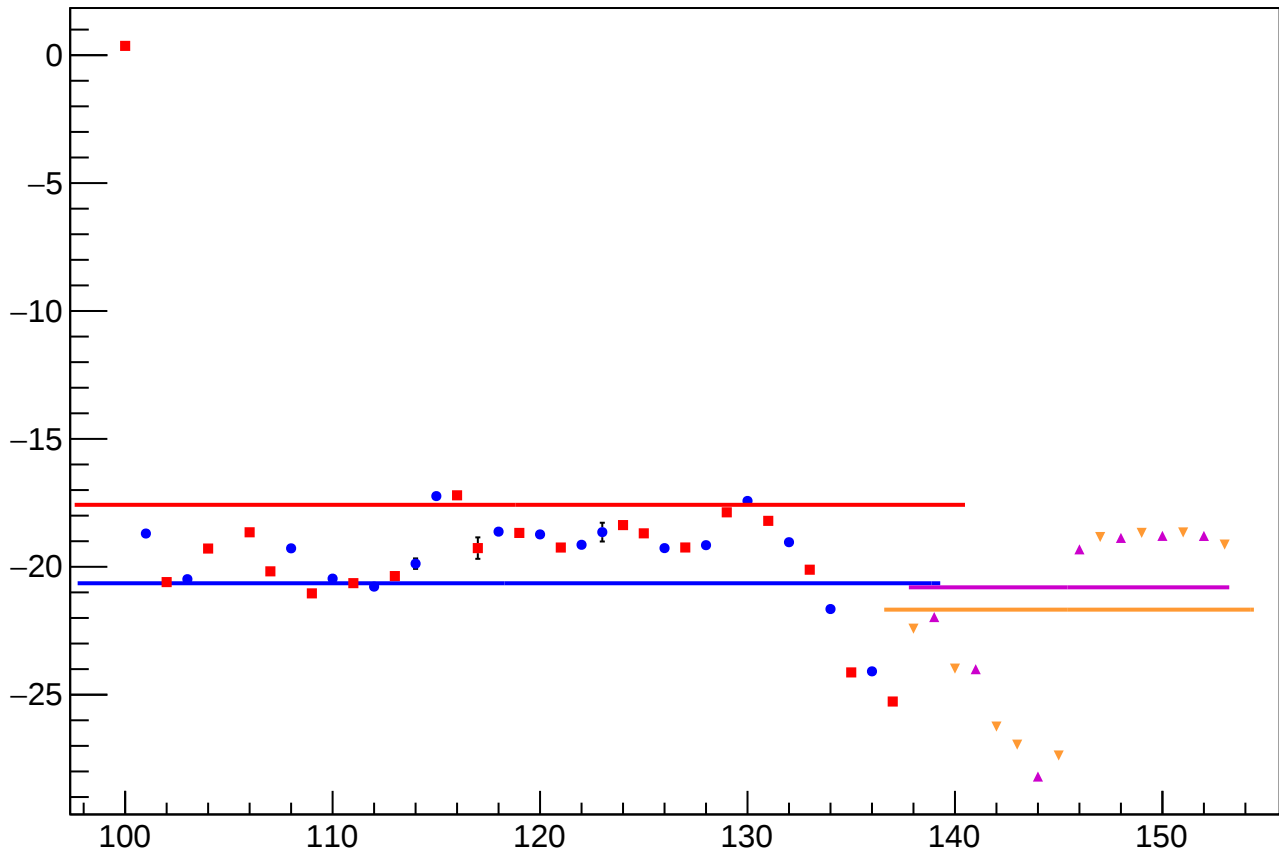
Left Out: 6.154 $\pm$ 0.272 χ^2 /NDF: 466.5/8

Right Out: 3.323 $\pm$ 0.365 χ^2 /NDF: 428.0/19

4.517 $\pm$ 0.228 χ^2 /NDF: 781.8/26

Left In: 5.288 $\pm$ 0.293 χ^2 /NDF: 336.2/6

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.643±/0.019 χ^2/NDF : 12468.6/16

Left Out: -21.675±/0.014 χ^2/NDF : 59177.8/8

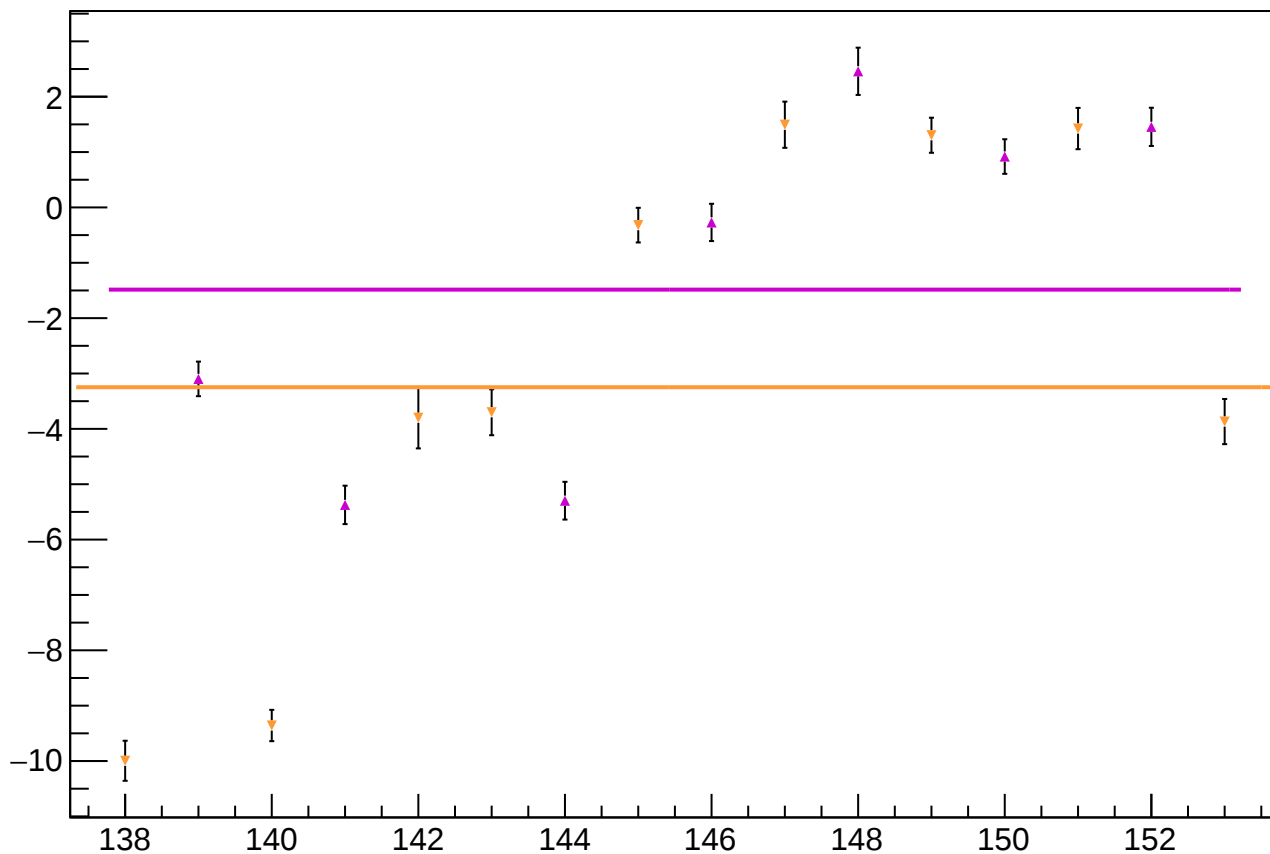
Right Out: -17.577±/0.018 χ^2/NDF : 178343.3/19

Left In: -20.802±/0.015 χ^2/NDF : 40243.5/6

-21.323±/0.011 χ^2/NDF : 73518.3/25

-19.522±/0.011 χ^2/NDF : 237911.8/26

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



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

Left Out: -3.248+/-0.121 χ^2/NDF : 1398.8/8

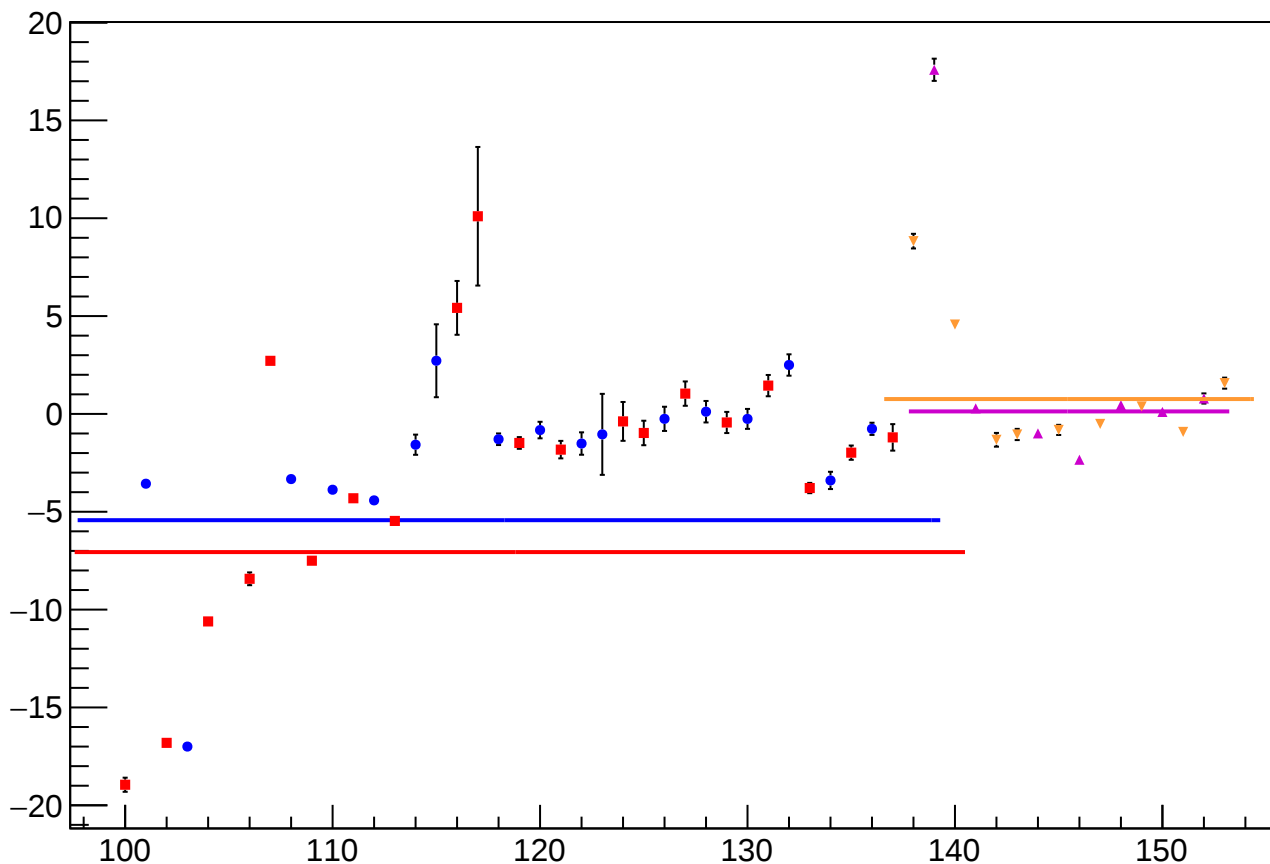
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -1.485+/-0.129 χ^2/NDF : 507.5/6

-3.248+/-0.121 χ^2/NDF : 1398.8/8

-1.485+/-0.129 χ^2/NDF : 507.5/6

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -5.431 $\pm$ 0.055 χ^2 /NDF: 9233.8/16

Left Out: 0.760 $\pm$ 0.084 χ^2 /NDF: 947.7/8

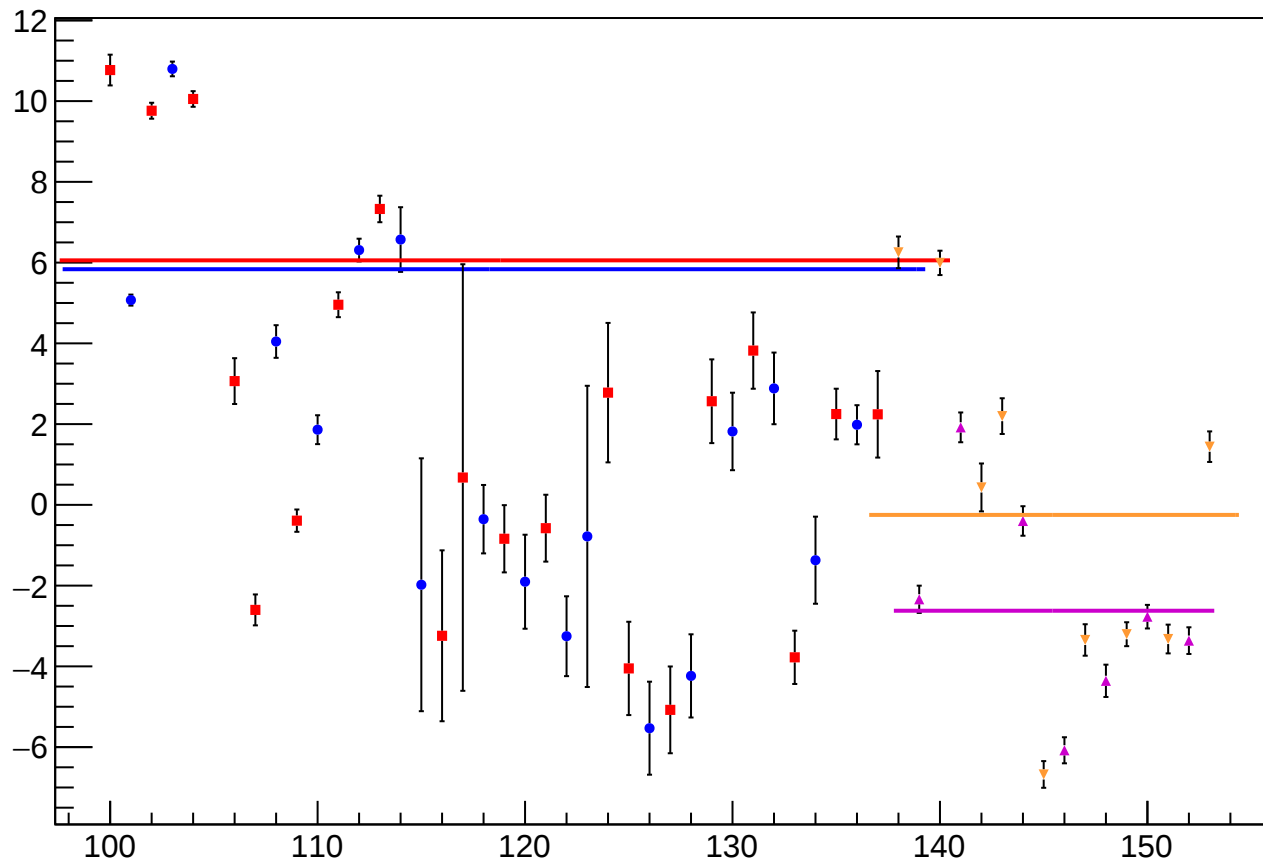
Right Out: -7.061 $\pm$ 0.059 χ^2 /NDF: 12330.1/19

Left In: 0.128 $\pm$ 0.092 χ^2 /NDF: 1110.7/6

-3.579 $\pm$ 0.046 χ^2 /NDF: 13989.9/25

-4.975 $\pm$ 0.050 χ^2 /NDF: 17745.9/26

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 5.836 $\pm$ 0.090 χ^2/NDF : 1440.9/16

Left Out: -0.249 $\pm$ 0.122 χ^2/NDF : 1370.5/8

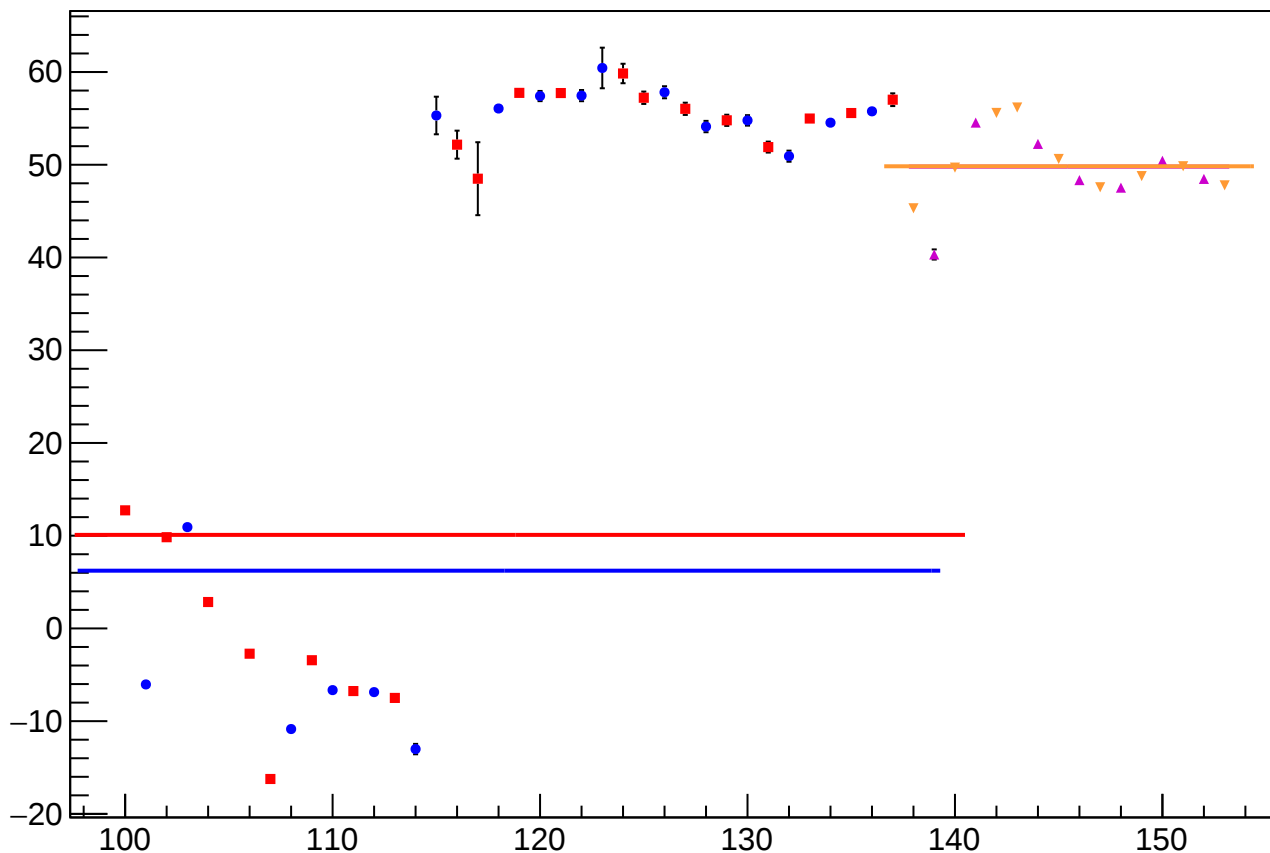
Right Out: 6.056 $\pm$ 0.093 χ^2/NDF : 2669.9/19

Left In: -2.622 $\pm$ 0.129 χ^2/NDF : 327.9/6

3.697 $\pm$ 0.072 χ^2/NDF : 4430.9/25

3.067 $\pm$ 0.076 χ^2/NDF : 5976.4/26

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: 49.835 $\pm$ 0.102 χ^2/NDF : 772.5/8

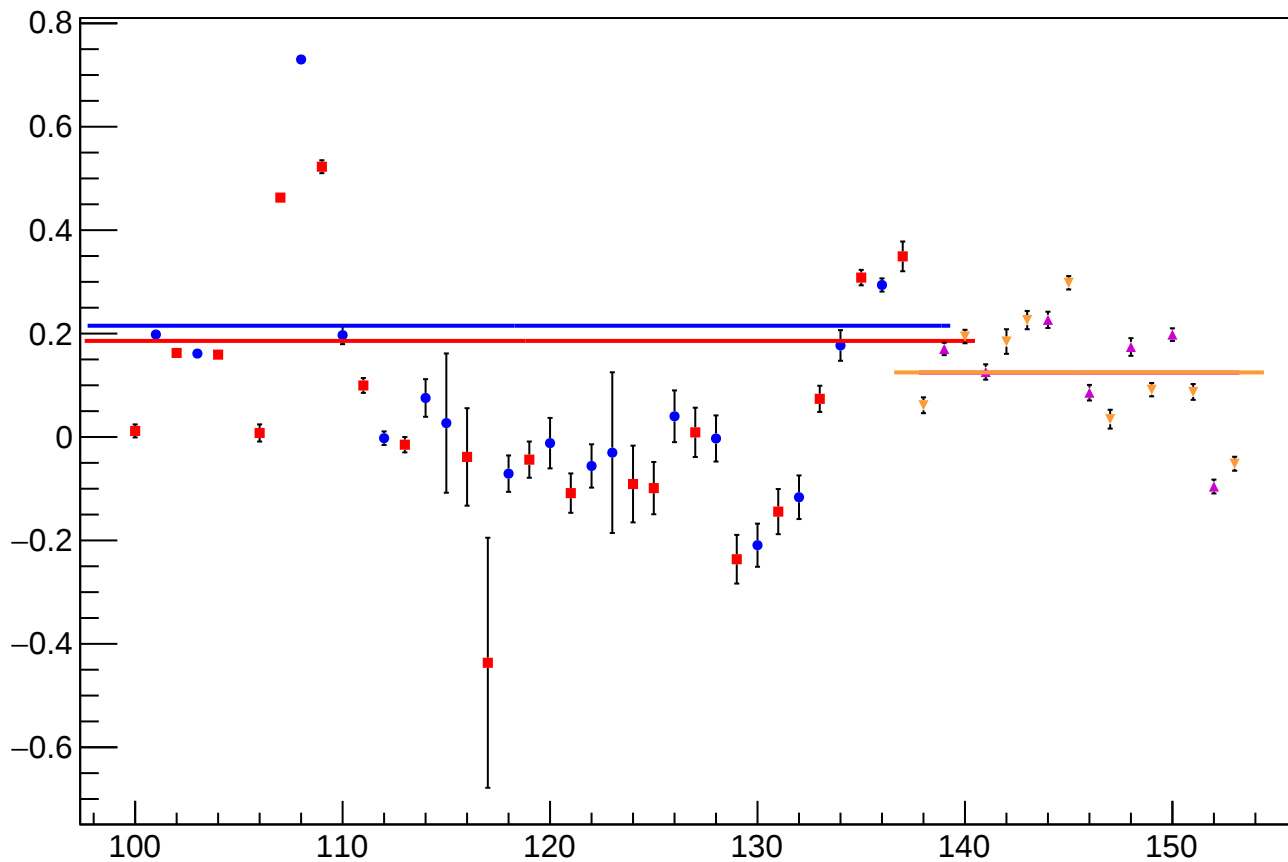
Right Out: 10.087 $\pm$ 0.070 χ^2/NDF : 122144.7/19

Left In: 49.798 $\pm$ 0.112 χ^2/NDF : 741.1/6

18.700 $\pm$ 0.055 χ^2/NDF : 251152.6/25

21.183 $\pm$ 0.059 χ^2/NDF : 213518.6/26

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: 0.125 $\pm$ 0.005 χ^2 /NDF: 470.9/8

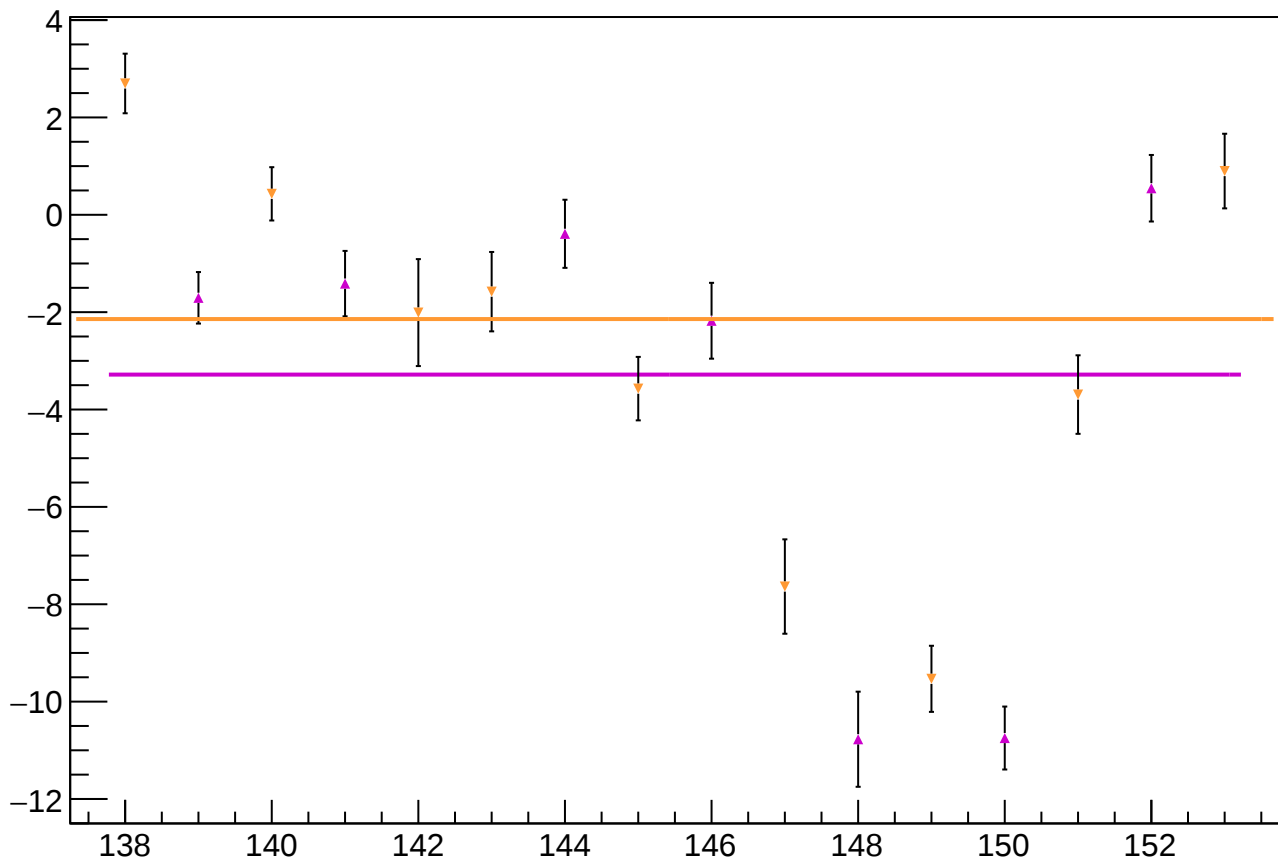
Right Out: 0.186 $\pm$ 0.003 χ^2 /NDF: 2724.7/19

Left In: 0.124 $\pm$ 0.005 χ^2 /NDF: 377.5/6

0.194 $\pm$ 0.002 χ^2 /NDF: 4646.0/25

0.173 $\pm$ 0.002 χ^2 /NDF: 3208.7/26

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



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

Left Out: -2.142 $\pm$ 0.241 χ^2 /NDF: 259.9/8

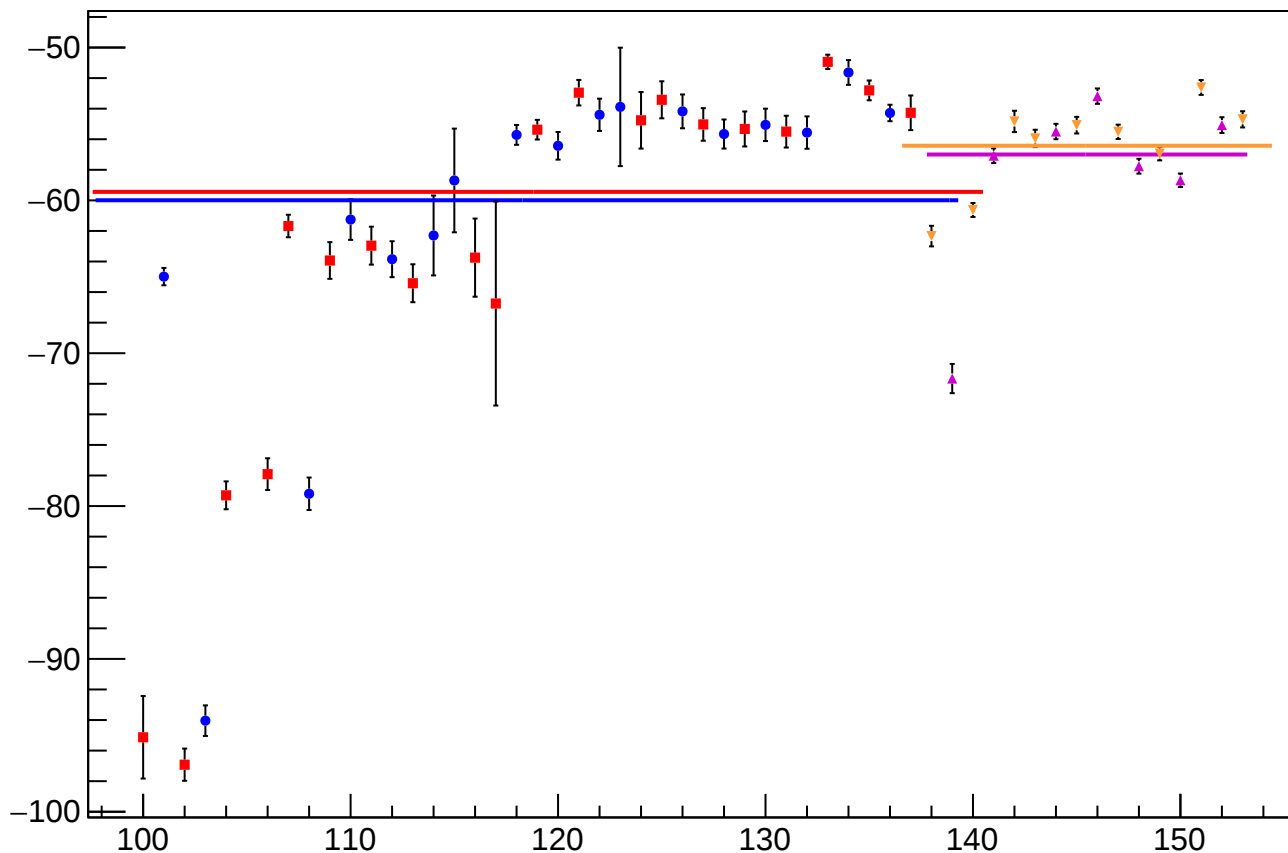
-2.142 $\pm$ 0.241 χ^2 /NDF: 259.9/8

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

-3.282 $\pm$ 0.258 χ^2 /NDF: 259.2/6

Left In: -3.282 $\pm$ 0.258 χ^2 /NDF: 259.2/6

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -59.992 ± 0.225 χ^2/NDF : 1972.9/16

Left Out: -56.425 ± 0.174 χ^2/NDF : 251.1/8

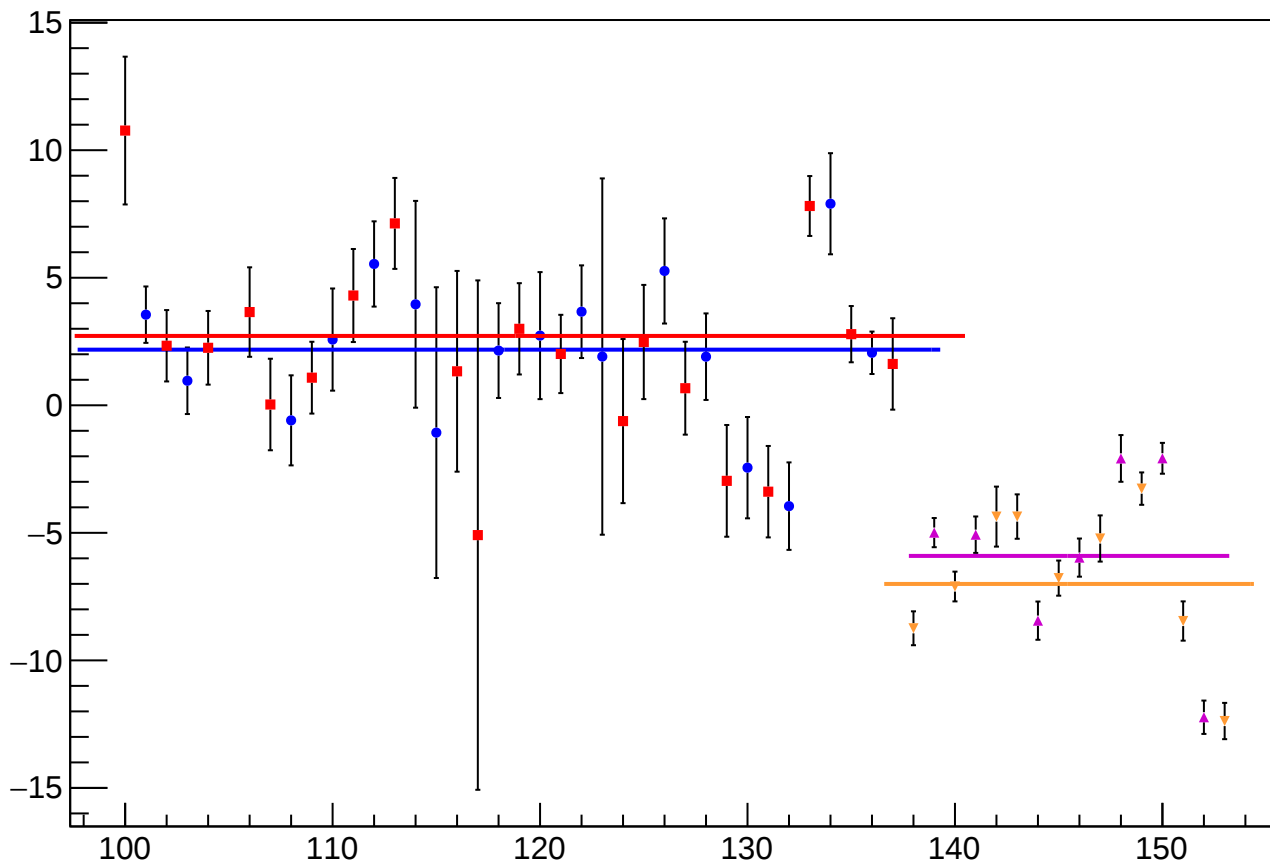
Right Out: -59.442 ± 0.212 χ^2/NDF : 2919.1/19

Left In: -56.999 ± 0.194 χ^2/NDF : 332.1/6

-57.759 ± 0.138 χ^2/NDF : 2381.4/25

-58.116 ± 0.143 χ^2/NDF : 3323.4/26

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: -7.004 ± 0.245 $\chi^2/\text{NDF}: 120.4/8$

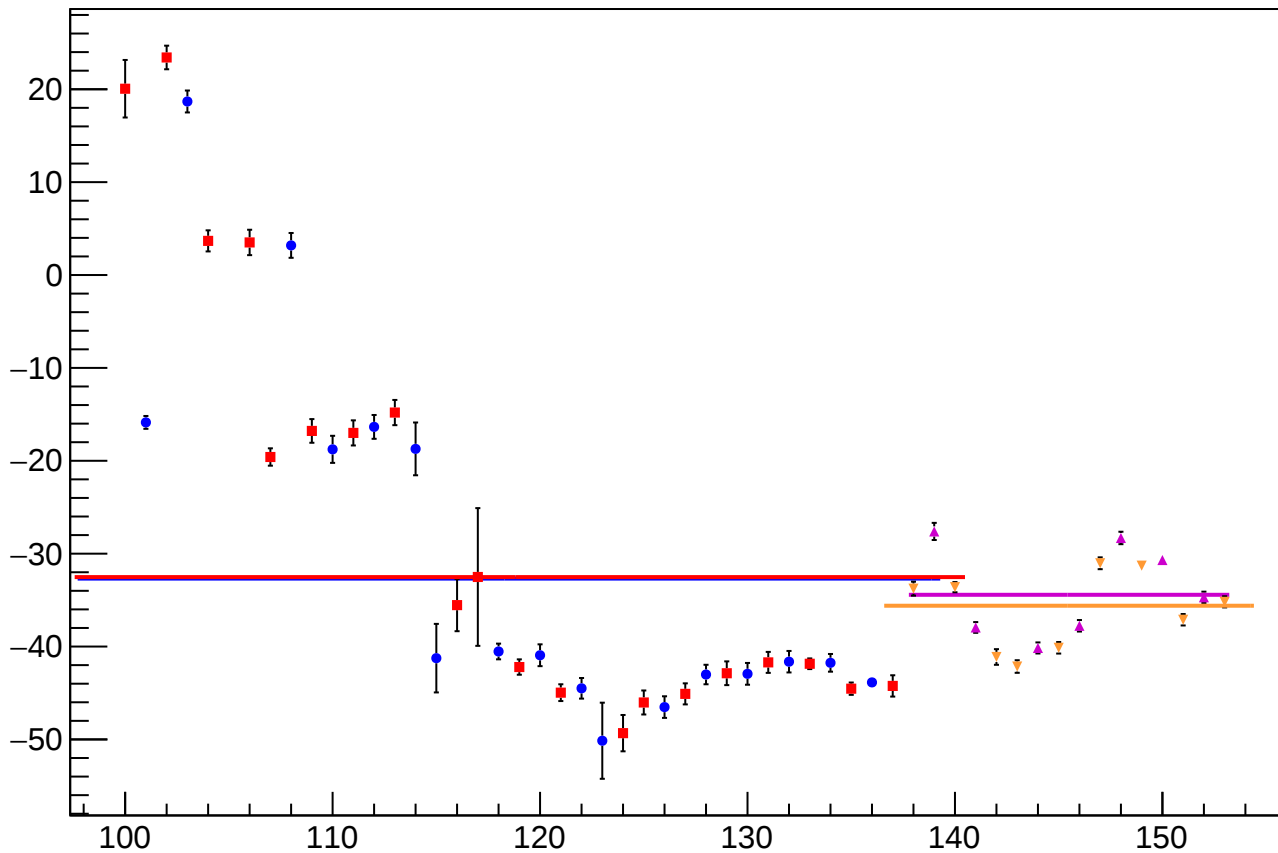
Right Out: 2.719 ± 0.388 $\chi^2/\text{NDF}: 59.5/19$

Left In: -5.905 ± 0.259 $\chi^2/\text{NDF}: 166.4/6$

-4.555 ± 0.209 $\chi^2/\text{NDF}: 535.4/25$

-3.236 ± 0.216 $\chi^2/\text{NDF}: 567.7/26$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -32.682±/0.256 χ^2/NDF : 4646.9/16

Left Out: -35.605±/0.210 χ^2/NDF :332.6/8

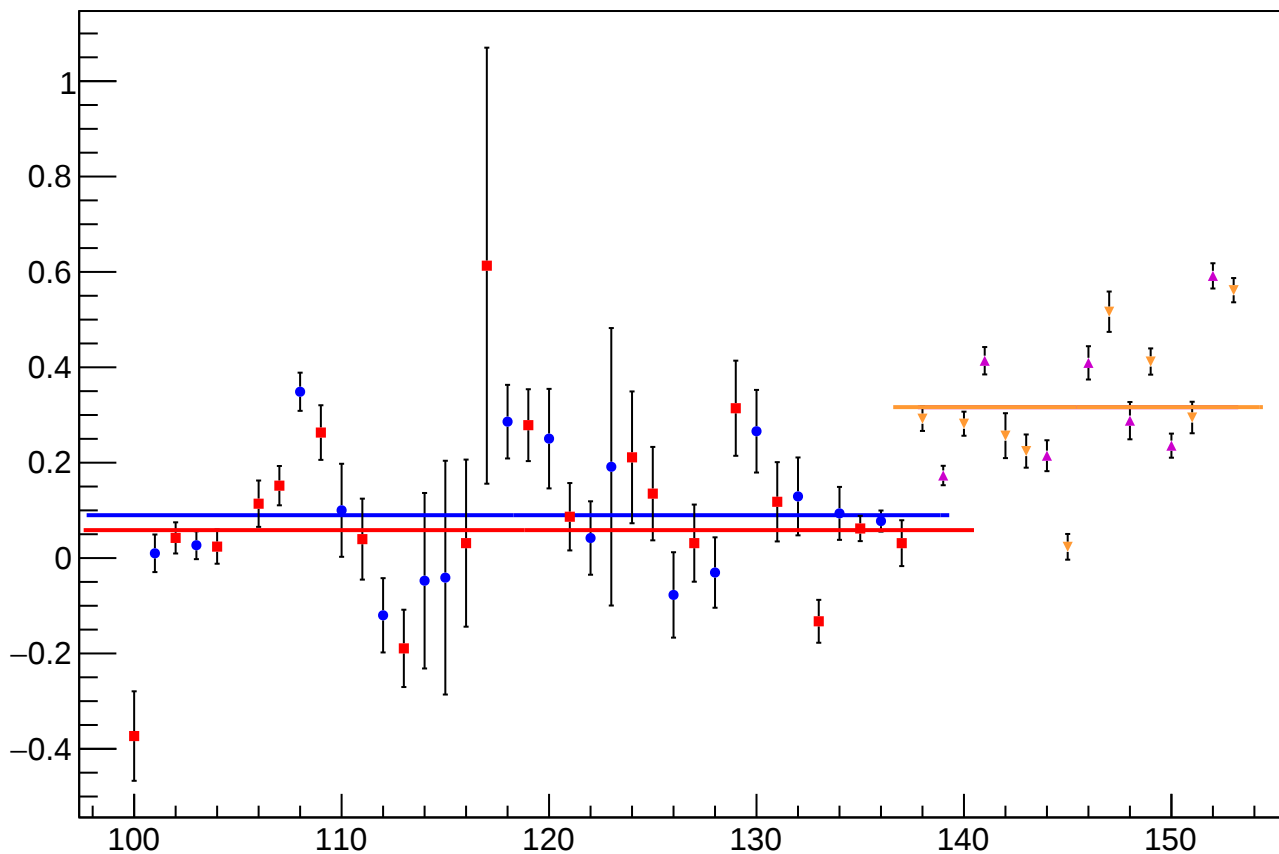
Right Out: -32.523±/0.244 χ^2/NDF : 6045.3/19

Left In: -34.429±/0.233 χ^2/NDF :350.9/6

-34.428±/0.162 χ^2/NDF : 5057.5/25

-33.519±/0.169 χ^2/NDF : 6428.1/26

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.090 $\pm$ 0.013 χ^2 /NDF: 78.8/16

Left Out: 0.317 $\pm$ 0.010 χ^2 /NDF:257.2/8

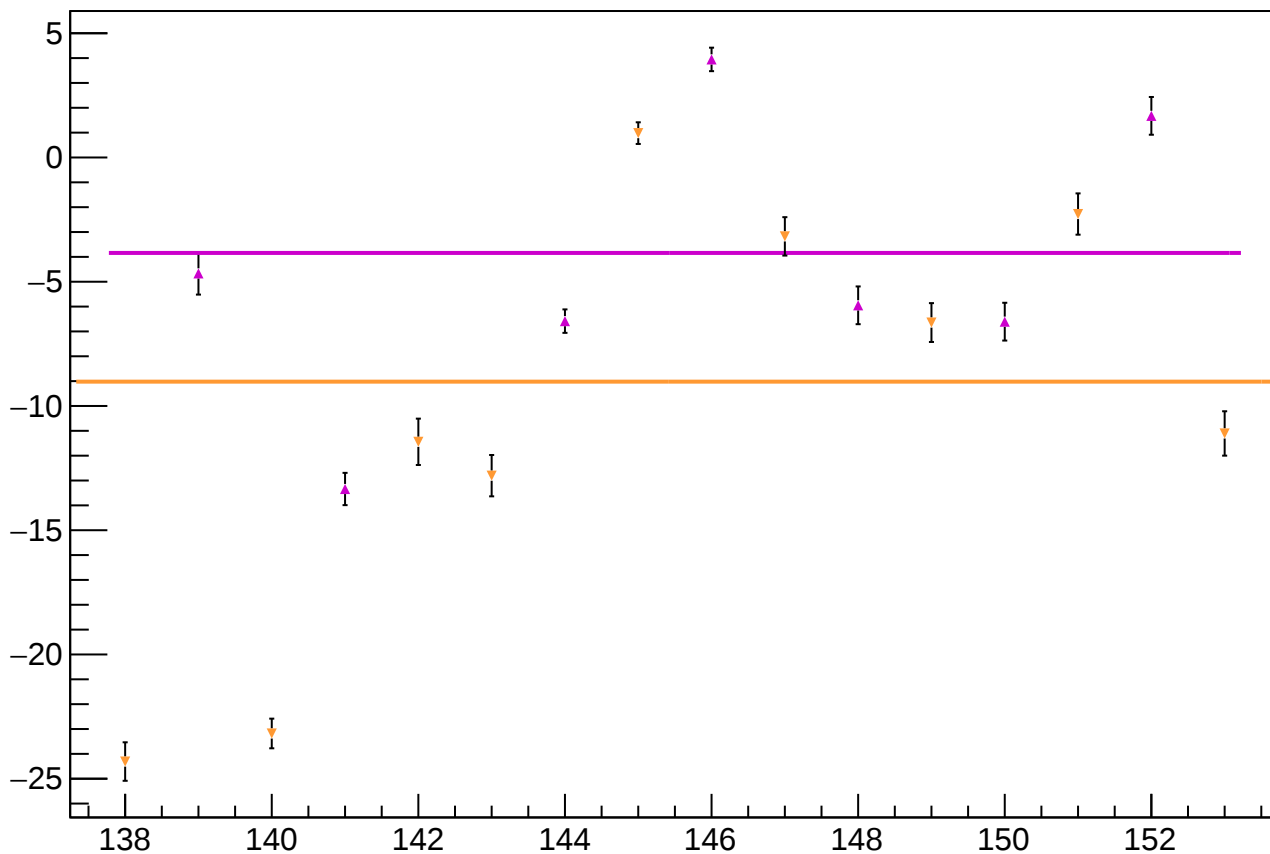
Right Out: 0.059 $\pm$ 0.012 χ^2 /NDF: 88.6/19

Left In: 0.316 $\pm$ 0.011 χ^2 /NDF:196.7/6

0.231 $\pm$ 0.008 χ^2 /NDF: 532.3/25

0.206 $\pm$ 0.008 χ^2 /NDF: 542.2/26

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug

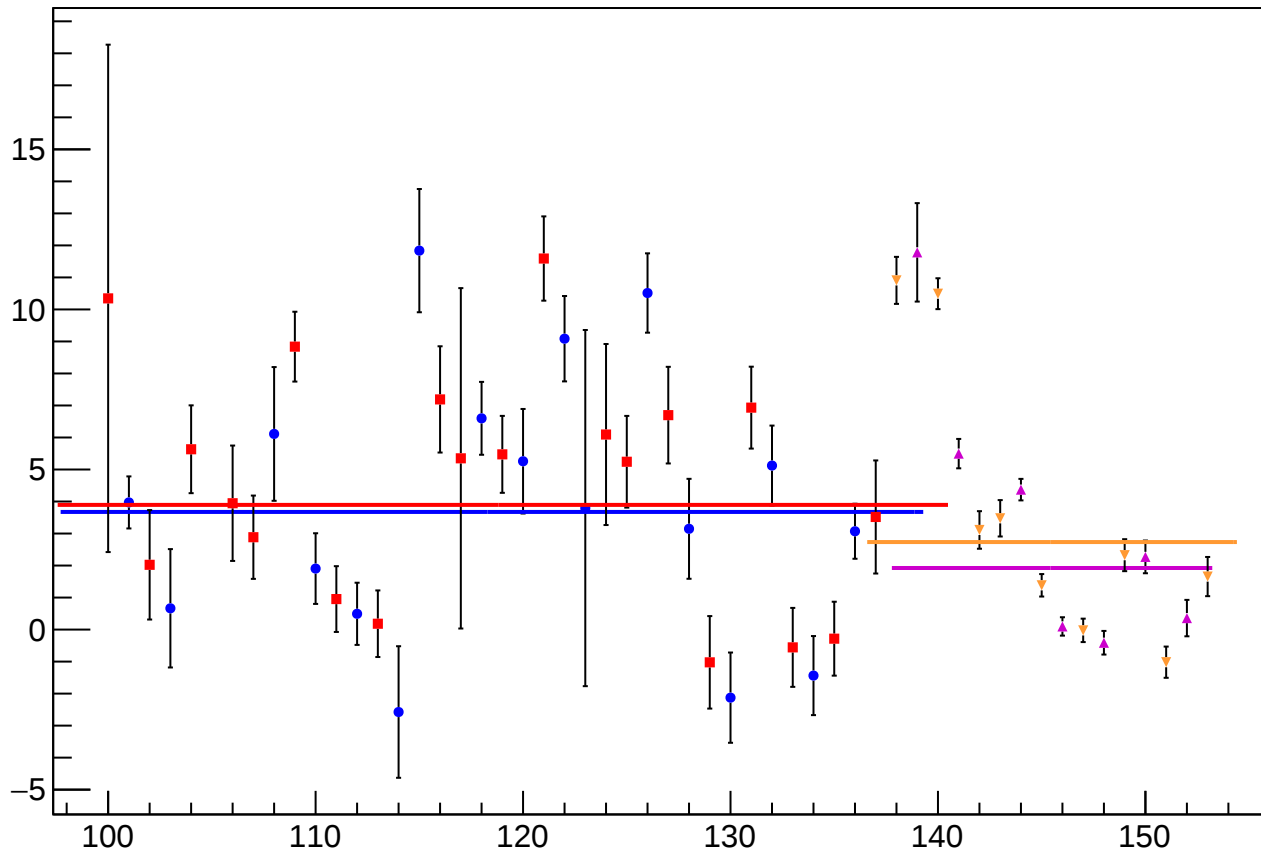


Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -9.021+/-0.233 χ^2/NDF : 1644.0/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.841+/-0.236 χ^2/NDF : 594.1/6

-9.021+/-0.233 χ^2/NDF : 1644.0/8

-3.841+/-0.236 χ^2/NDF : 594.1/6

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.675 ± 0.310 χ^2/NDF : 135.2/16

Left Out: 2.734 ± 0.161 χ^2/NDF : 519.1/8

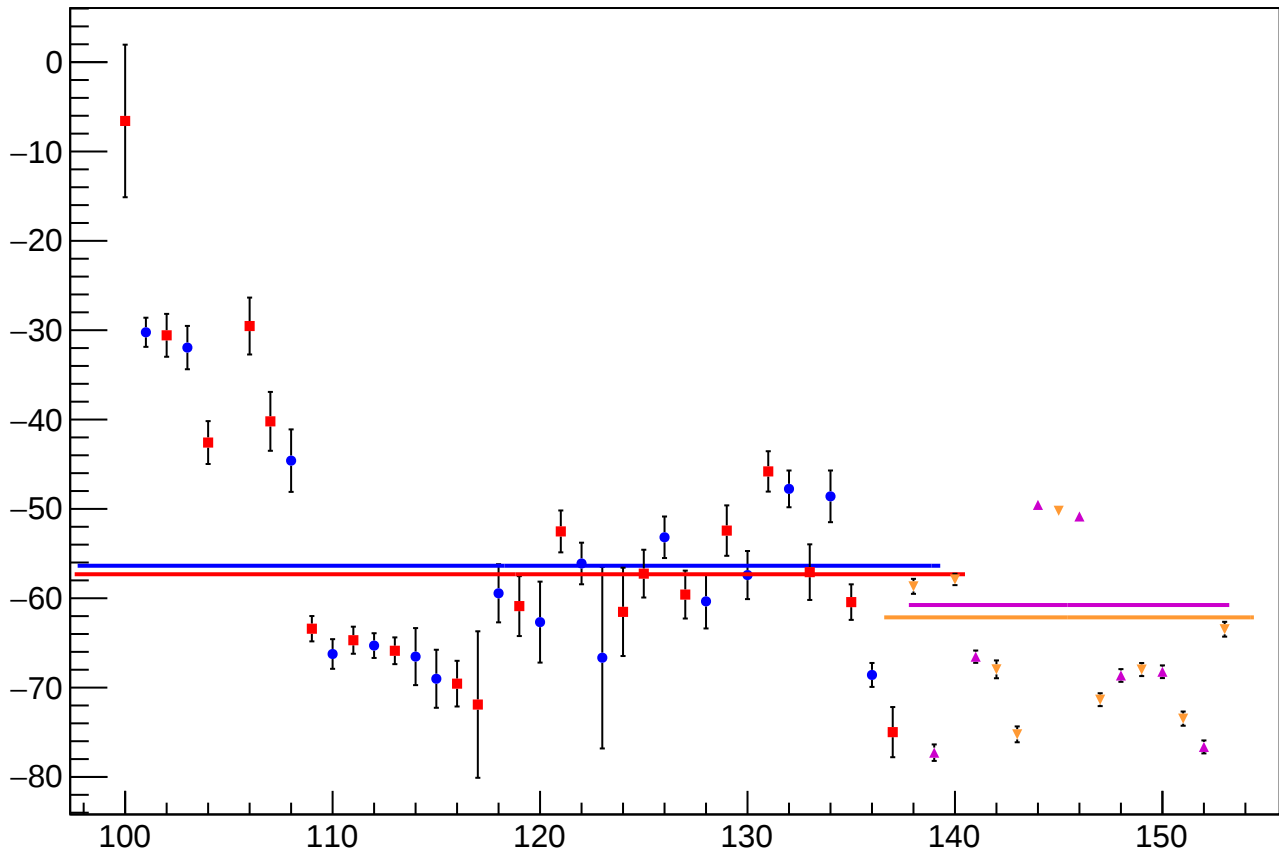
Right Out: 3.895 ± 0.316 χ^2/NDF : 133.8/19

Left In: 1.924 ± 0.157 χ^2/NDF : 243.3/6

2.933 ± 0.143 χ^2/NDF : 661.5/25

2.316 ± 0.141 χ^2/NDF : 408.3/26

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -56.362 ± 0.543 χ^2/NDF : 587.2/16

Left Out: -62.139 ± 0.238 χ^2/NDF : 1407.2/8

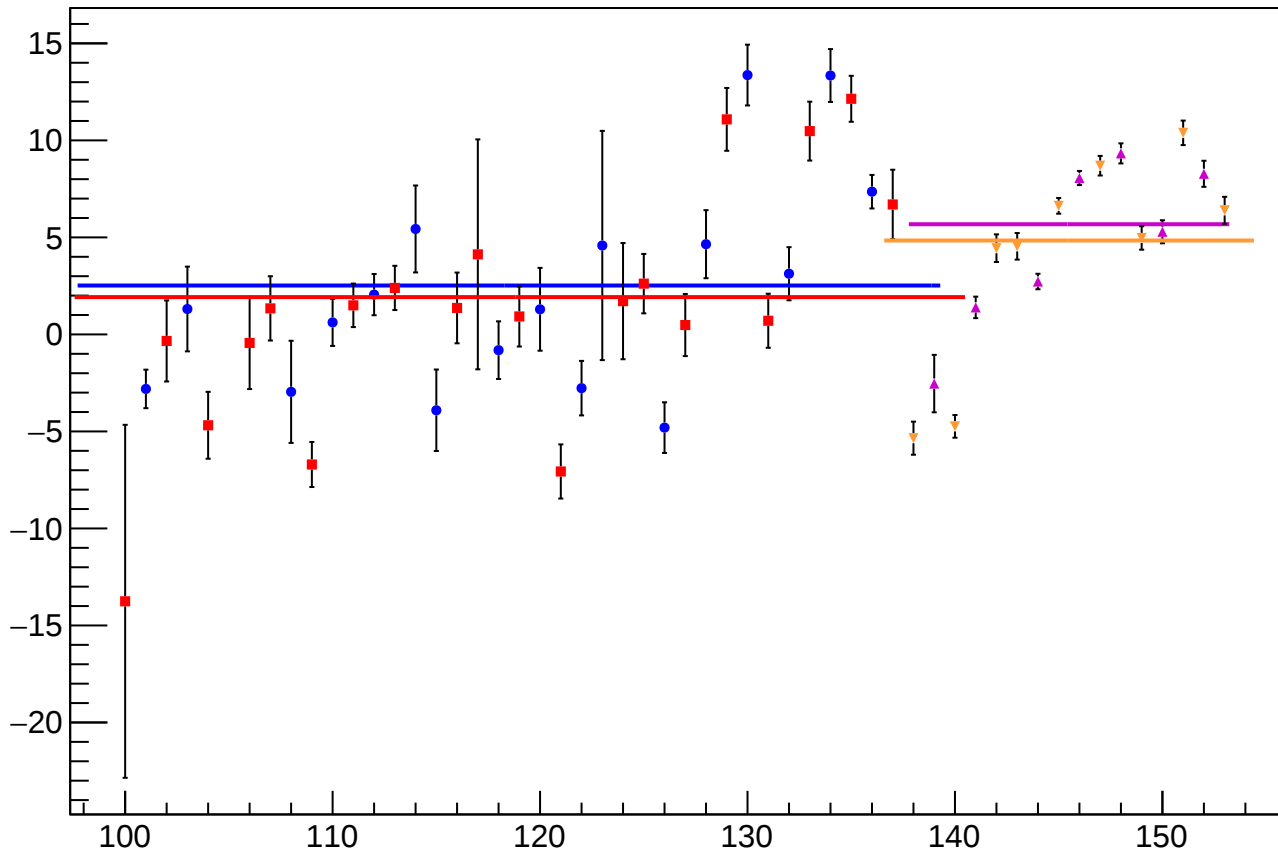
Right Out: -57.314 ± 0.535 χ^2/NDF : 479.2/19

Left In: -60.757 ± 0.236 χ^2/NDF : 2068.7/6

-61.208 ± 0.218 χ^2/NDF : 2089.3/25

-60.194 ± 0.216 χ^2/NDF : 2582.5/26

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.520 $\pm$ 0.347 χ^2 /NDF: 242.3/16

Left Out: 4.840 $\pm$ 0.197 χ^2 /NDF: 572.1/8

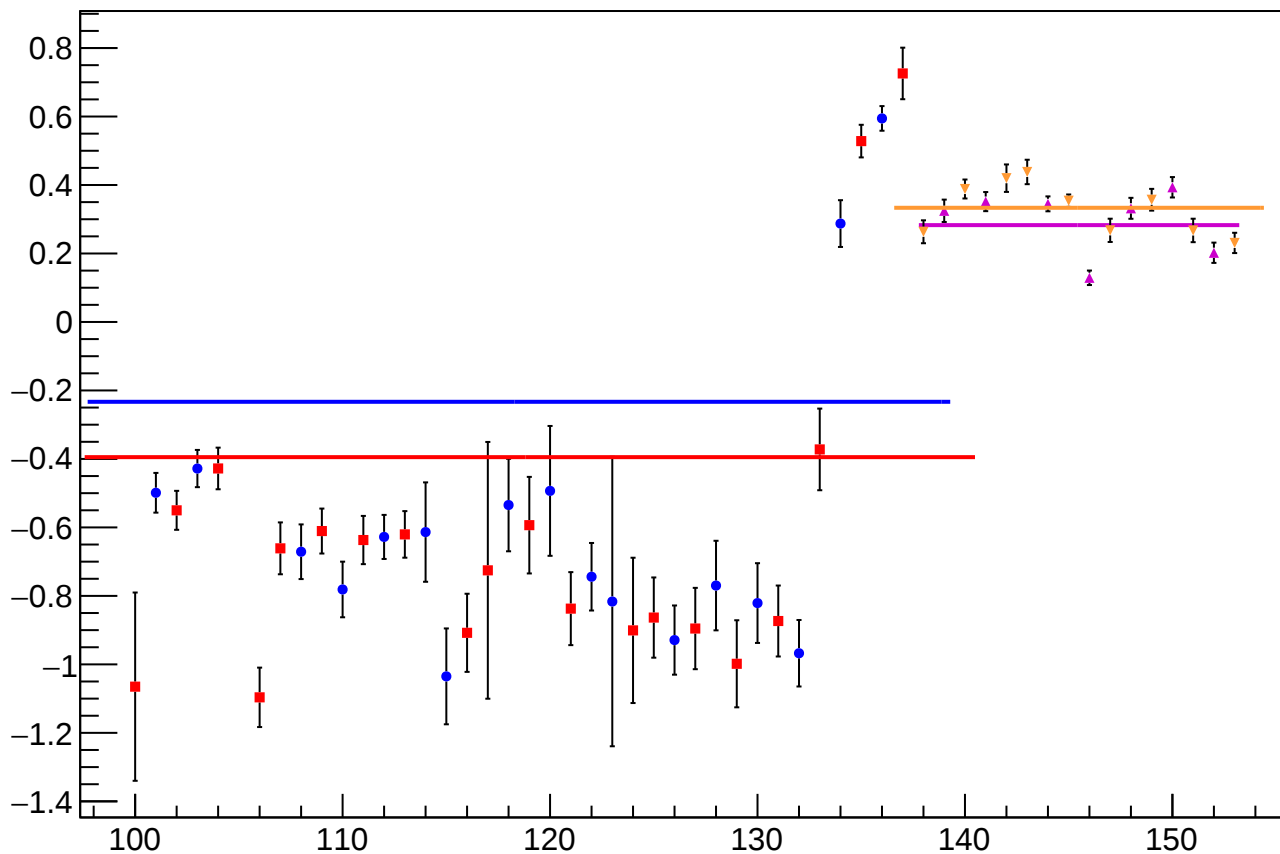
Right Out: 1.922 $\pm$ 0.354 χ^2 /NDF: 264.7/19

Left In: 5.678 $\pm$ 0.195 χ^2 /NDF: 253.3/6

4.274 $\pm$ 0.171 χ^2 /NDF: 848.2/25

4.805 $\pm$ 0.171 χ^2 /NDF: 604.3/26

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.233+/-0.019 χ^2/NDF : 956.8/16

Left Out: 0.333+/-0.010 χ^2/NDF : 42.9/8

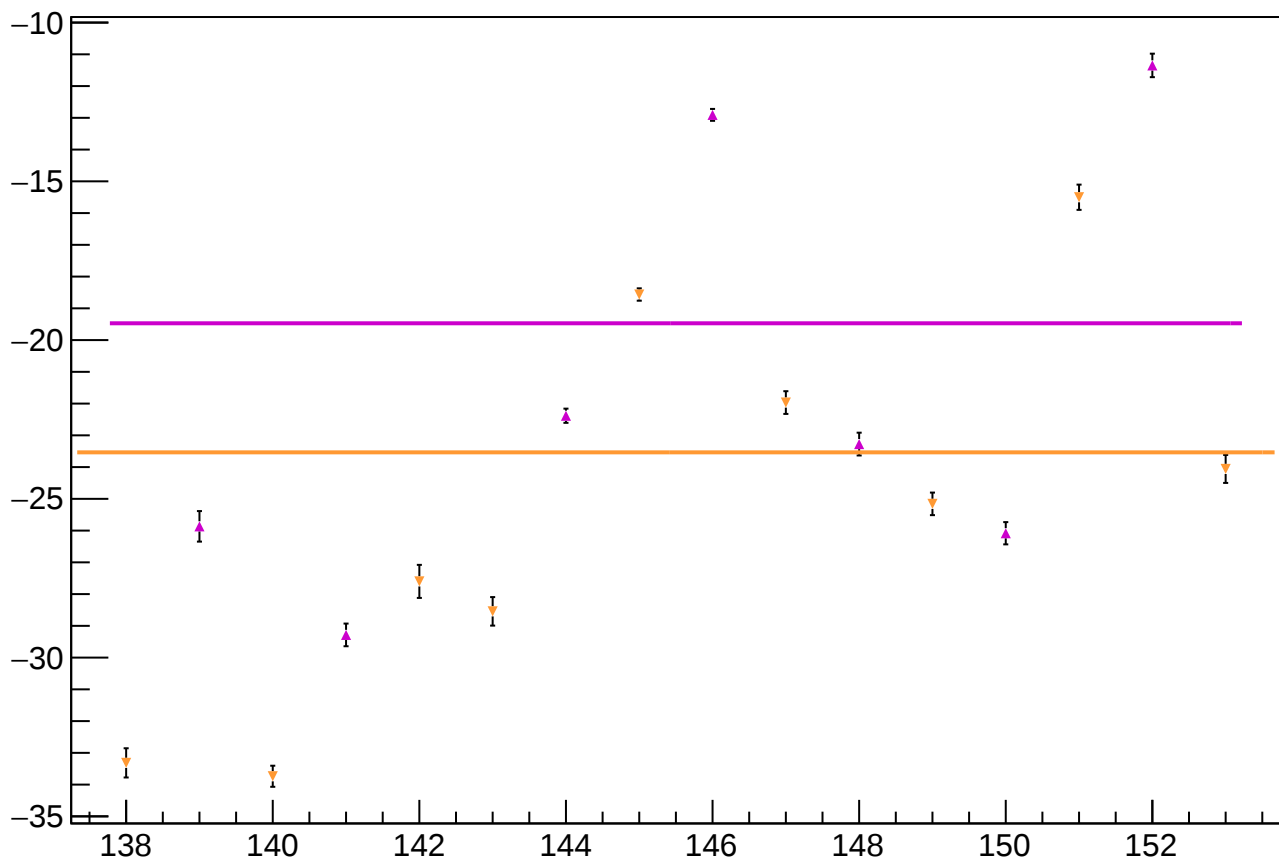
Right Out: -0.395+/-0.019 χ^2/NDF : 845.9/19

Left In: 0.283+/-0.010 χ^2/NDF : 92.4/6

0.214+/-0.009 χ^2/NDF : 1708.6/25

0.134+/-0.009 χ^2/NDF : 1935.1/26

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



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

Left Out: -23.536+/-0.115 χ^2/NDF : 2682.4/8

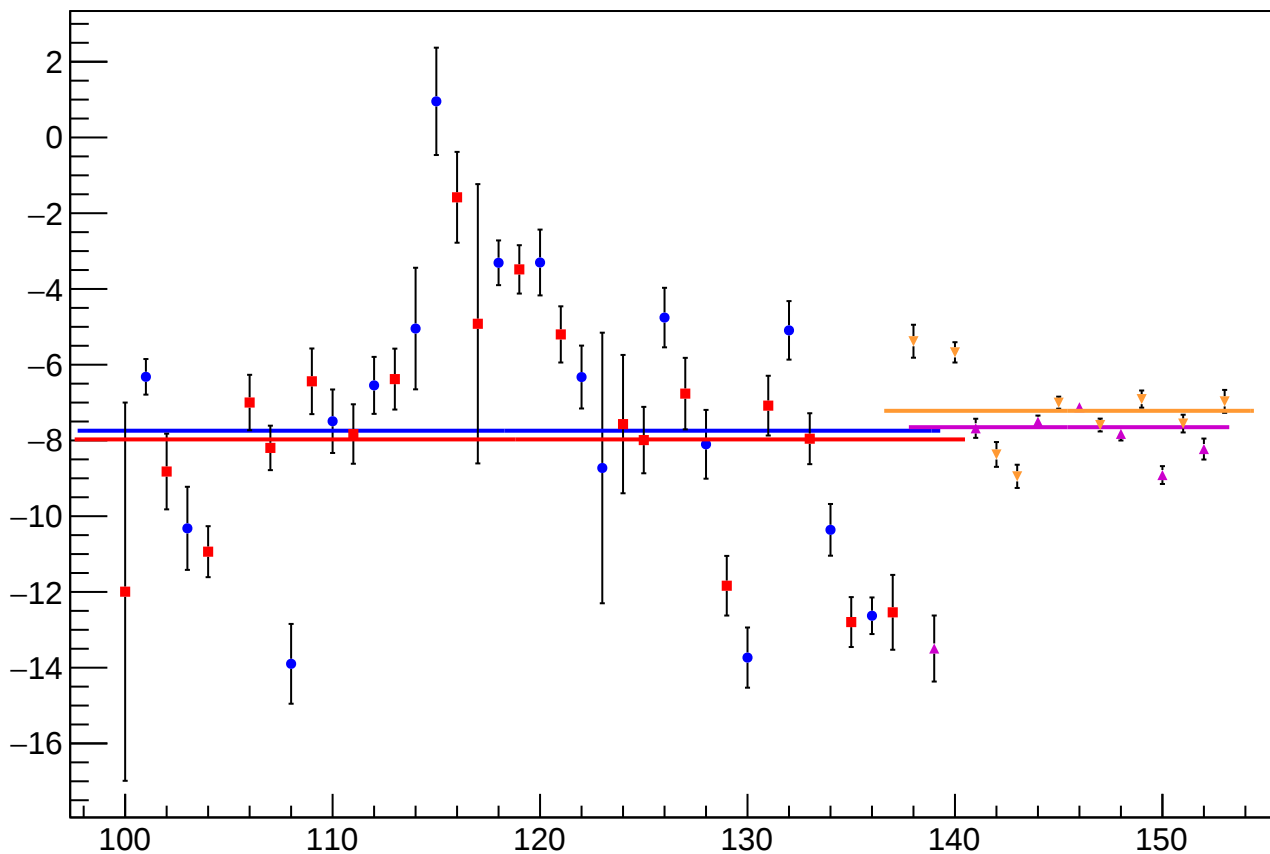
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -19.471+/-0.109 χ^2/NDF : 3279.7/6

-23.536+/-0.115 χ^2/NDF : 2682.4/8

-19.471+/-0.109 χ^2/NDF : 3279.7/6

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.743+/-0.187 χ^2/NDF : 377.5/16

Left Out: -7.218+/-0.079 χ^2/NDF :106.5/8

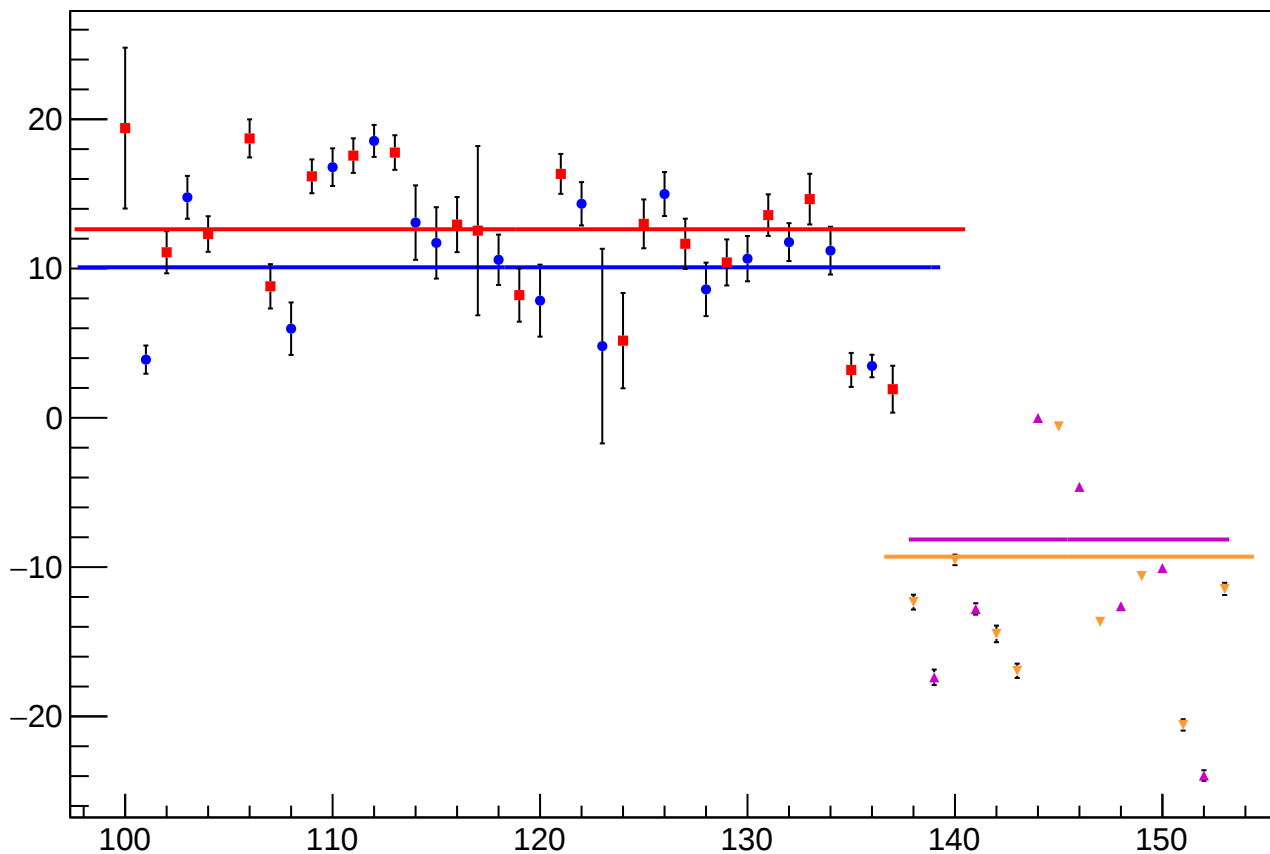
Right Out: -7.973+/-0.186 χ^2/NDF : 224.2/19

Left In: -7.650+/-0.072 χ^2/NDF :100.3/6

-7.296+/-0.072 χ^2/NDF : 490.8/25

-7.692+/-0.067 χ^2/NDF : 327.1/26

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 10.083±/0.338 χ^2/NDF : 252.7/16

Left Out: -9.301±/0.116 χ^2/NDF : 3262.1/8

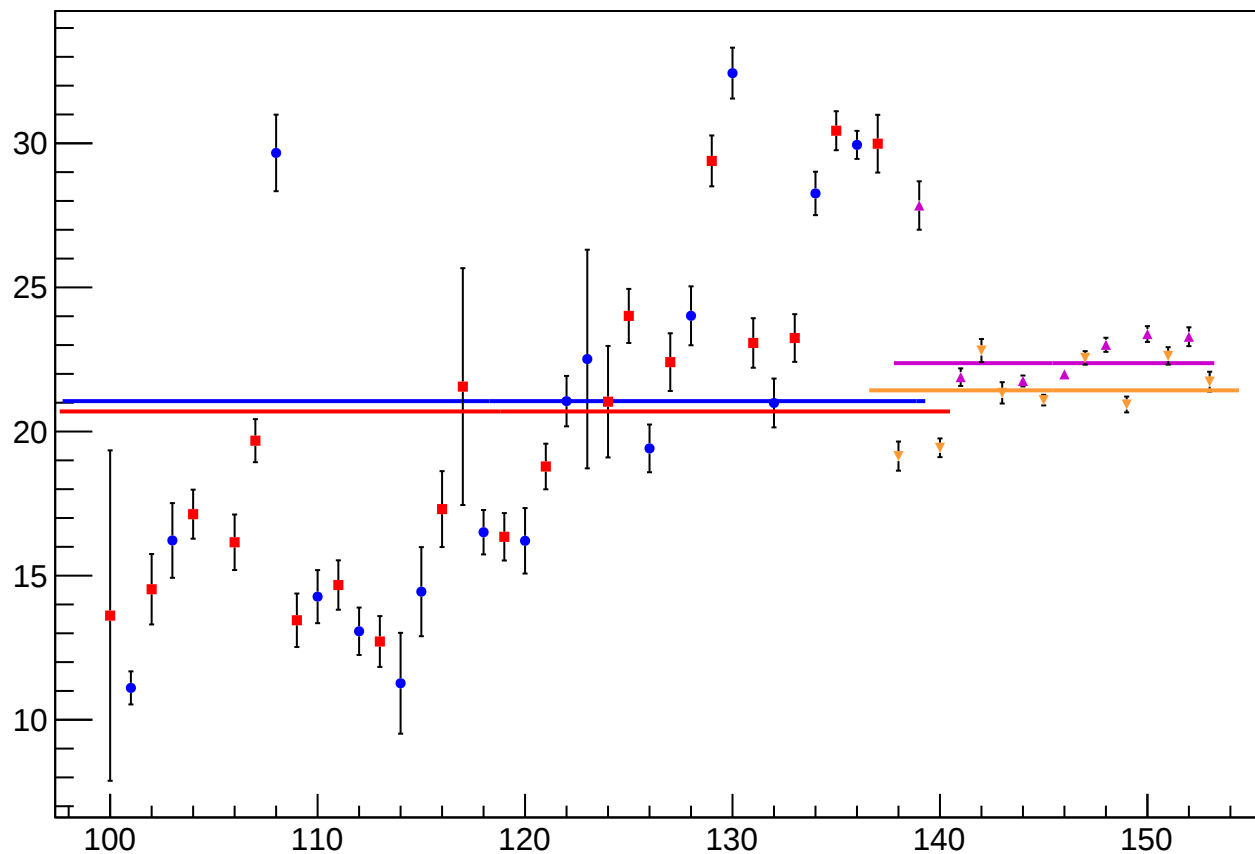
Right Out: 12.631±/0.332 χ^2/NDF : 218.6/19

Left In: -8.150±/0.108 χ^2/NDF : 4205.8/6

-7.252±/0.110 χ^2/NDF : 6457.5/25

-6.146±/0.103 χ^2/NDF : 7962.9/26

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 21.055+/-0.211 χ^2/NDF : 1211.8/16

Left Out: 21.428+/-0.096 χ^2/NDF : 116.4/8

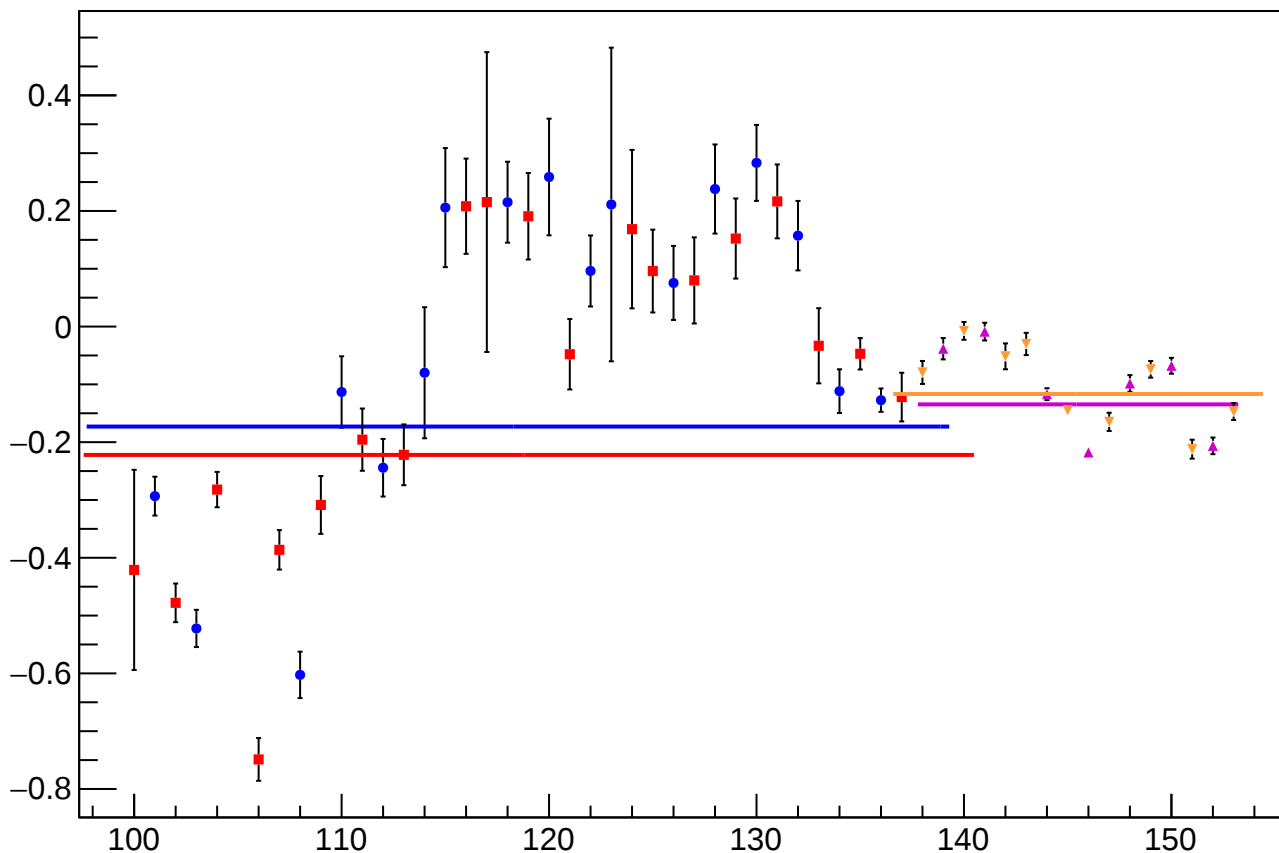
Right Out: 20.696+/-0.212 χ^2/NDF : 724.1/19

Left In: 22.372+/-0.089 χ^2/NDF : 90.9/6

21.364+/-0.088 χ^2/NDF : 1330.8/25

22.122+/-0.082 χ^2/NDF : 867.9/26

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.173 ± 0.011 χ^2/NDF : 461.8/16

Left Out: -0.117 ± 0.005 χ^2/NDF : 151.0/8

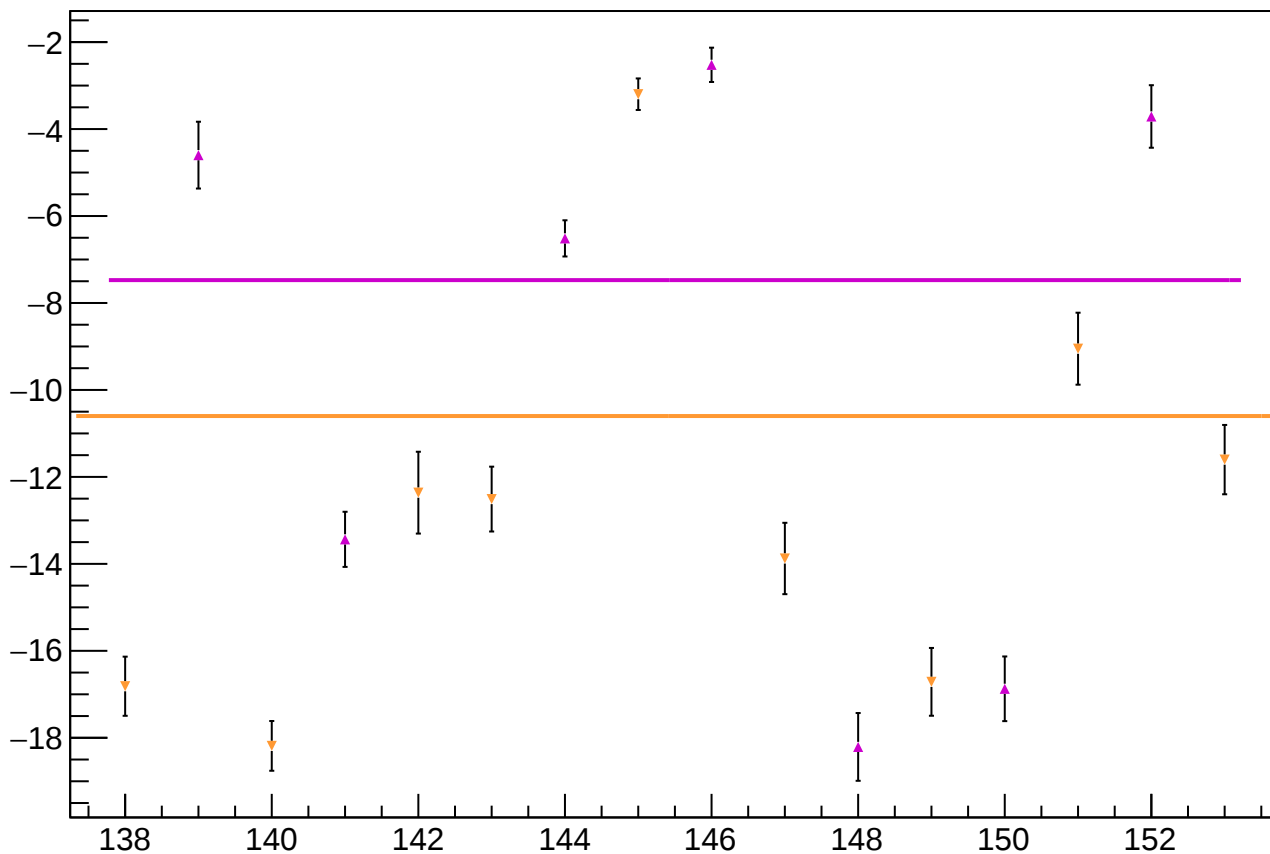
Right Out: -0.222 ± 0.011 χ^2/NDF : 538.0/19

Left In: -0.135 ± 0.005 χ^2/NDF : 248.9/6

-0.125 ± 0.004 χ^2/NDF : 634.2/25

-0.148 ± 0.004 χ^2/NDF : 840.8/26

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



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

Left Out: -10.600+/-0.214 χ^2/NDF : 768.4/8

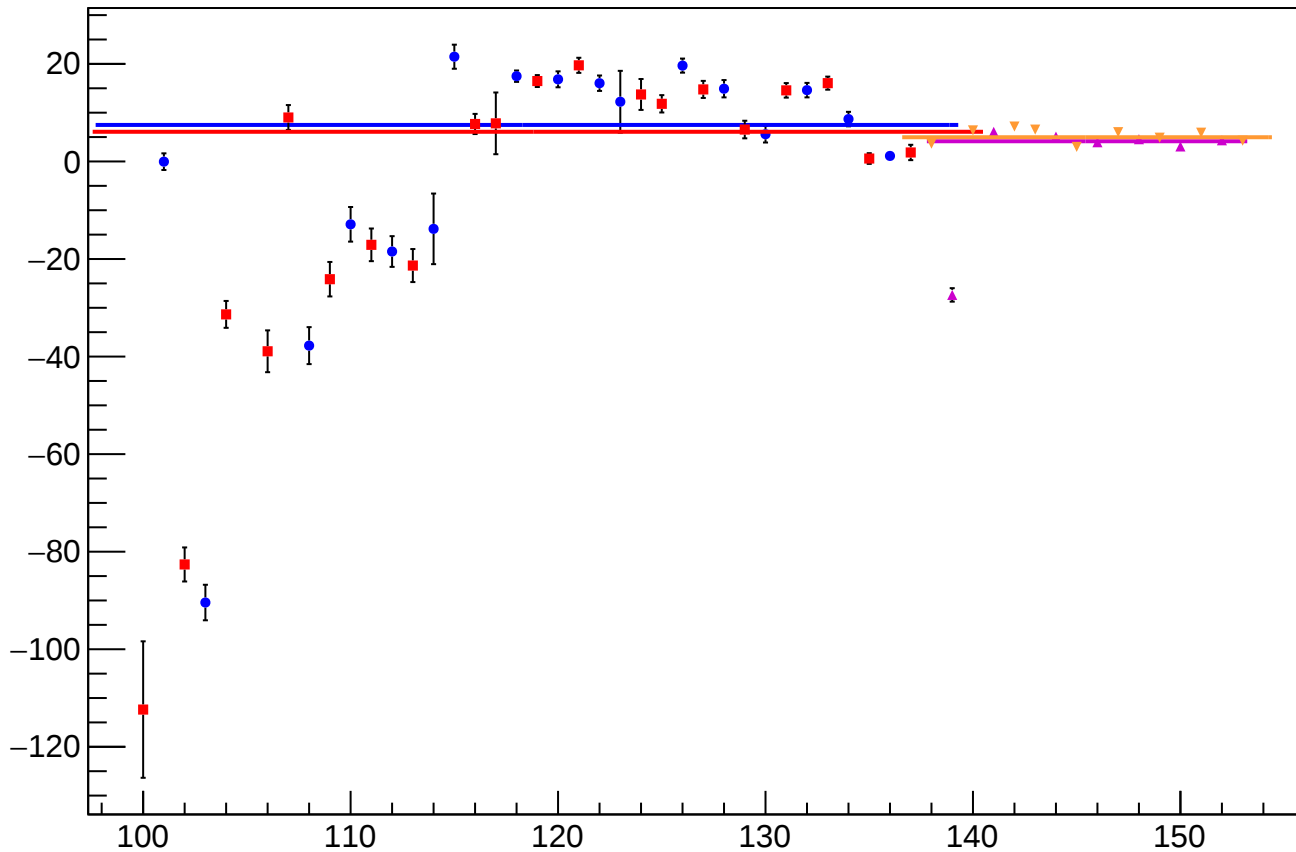
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -7.474+/-0.214 χ^2/NDF : 642.2/6

-10.600+/-0.214 χ^2/NDF : 768.4/8

-7.474+/-0.214 χ^2/NDF : 642.2/6

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: 4.964 ± 0.151 $\chi^2/\text{NDF}: 96.0/8$

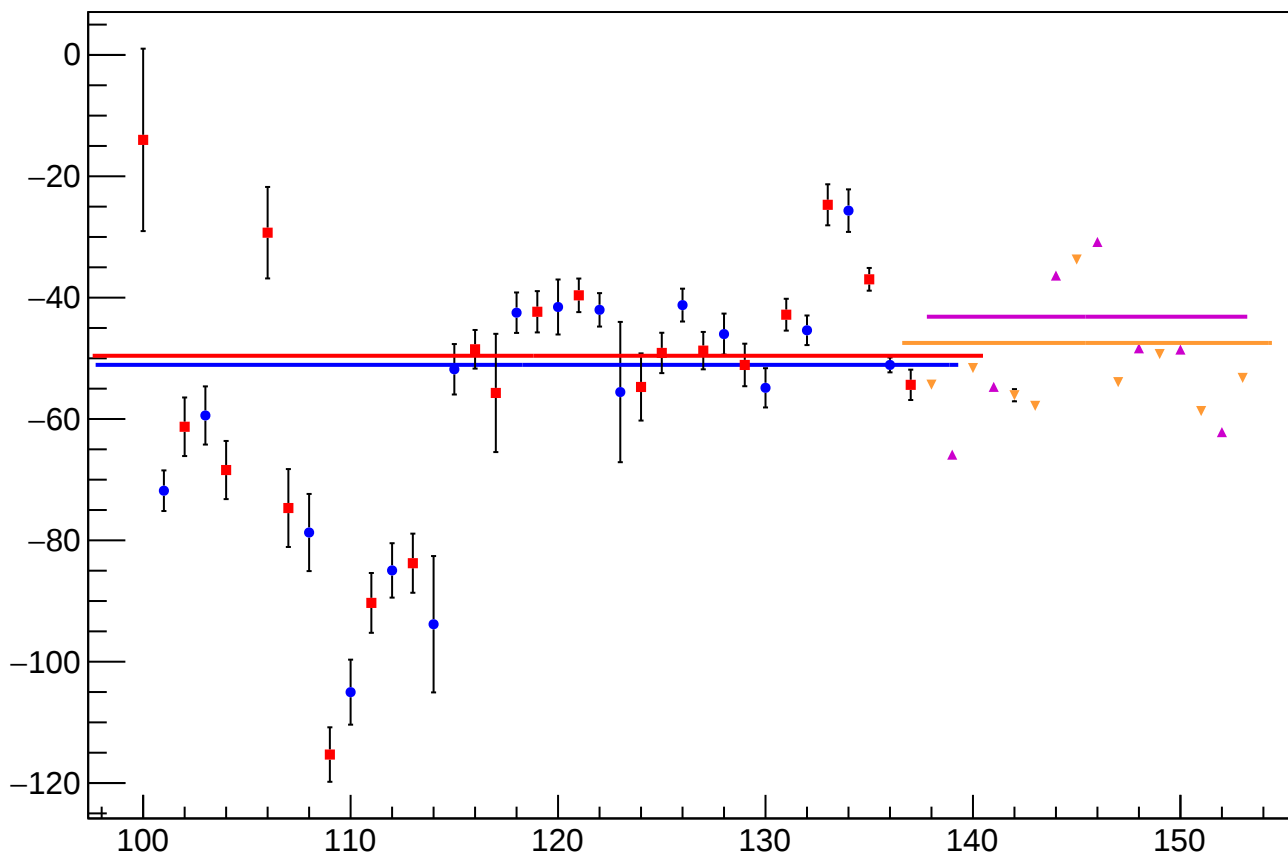
Right Out: 6.086 ± 0.433 $\chi^2/\text{NDF}: 1512.2/19$

Left In: 4.143 ± 0.146 $\chi^2/\text{NDF}: 555.1/6$

5.269 ± 0.141 $\chi^2/\text{NDF}: 1470.3/25$

4.340 ± 0.138 $\chi^2/\text{NDF}: 2085.3/26$

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -51.077+/-0.741 χ^2/NDF : 330.2/16

Left Out: -47.464+/-0.219 χ^2/NDF :1972.9/8

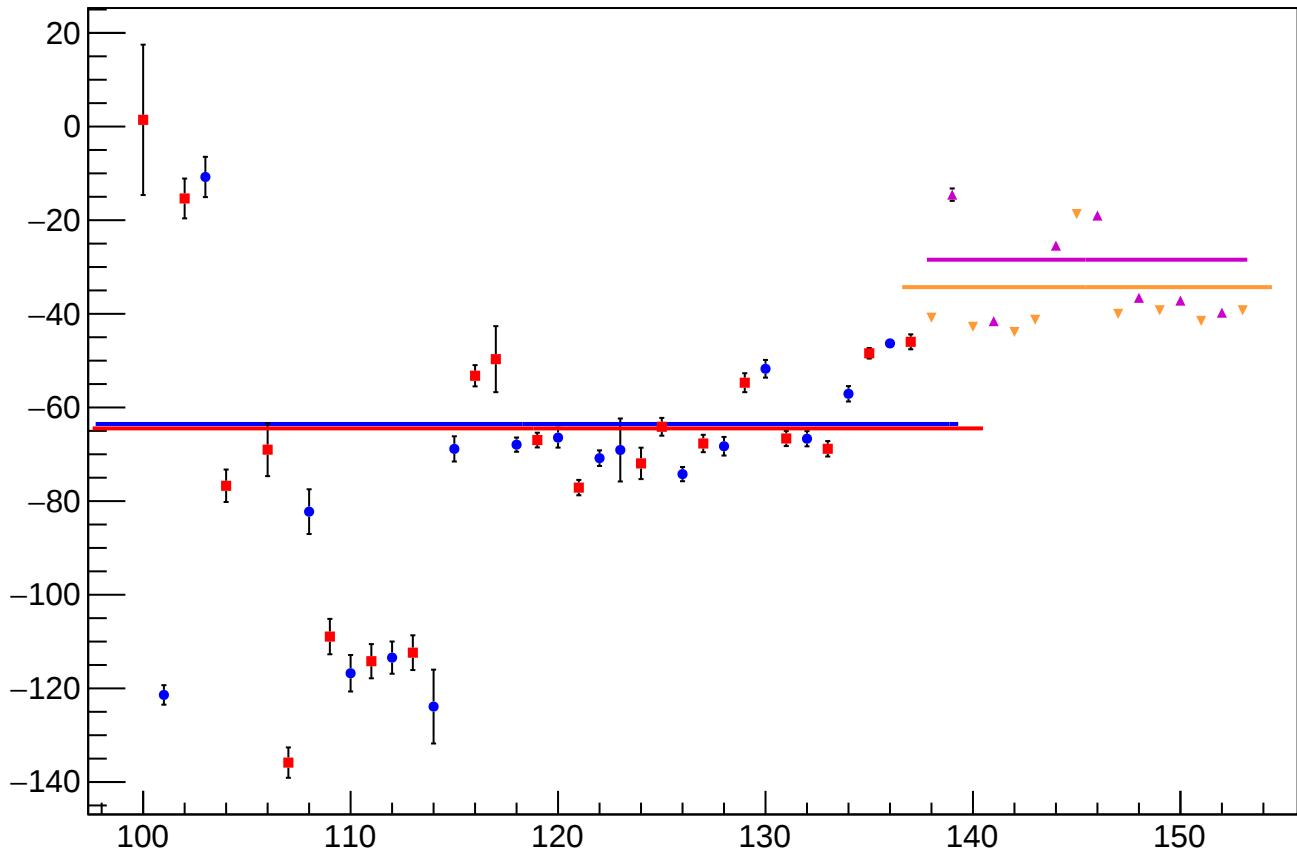
Right Out: -49.579+/-0.796 χ^2/NDF : 510.0/19

Left In: -43.141+/-0.215 χ^2/NDF :3199.6/6

-47.755+/-0.210 χ^2/NDF : 2325.0/25

-43.579+/-0.207 χ^2/NDF : 3770.5/26

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -63.525±/0.449 χ^2/NDF : 2010.9/16

Left Out: -34.299±/0.183 χ^2/NDF : 3166.3/8

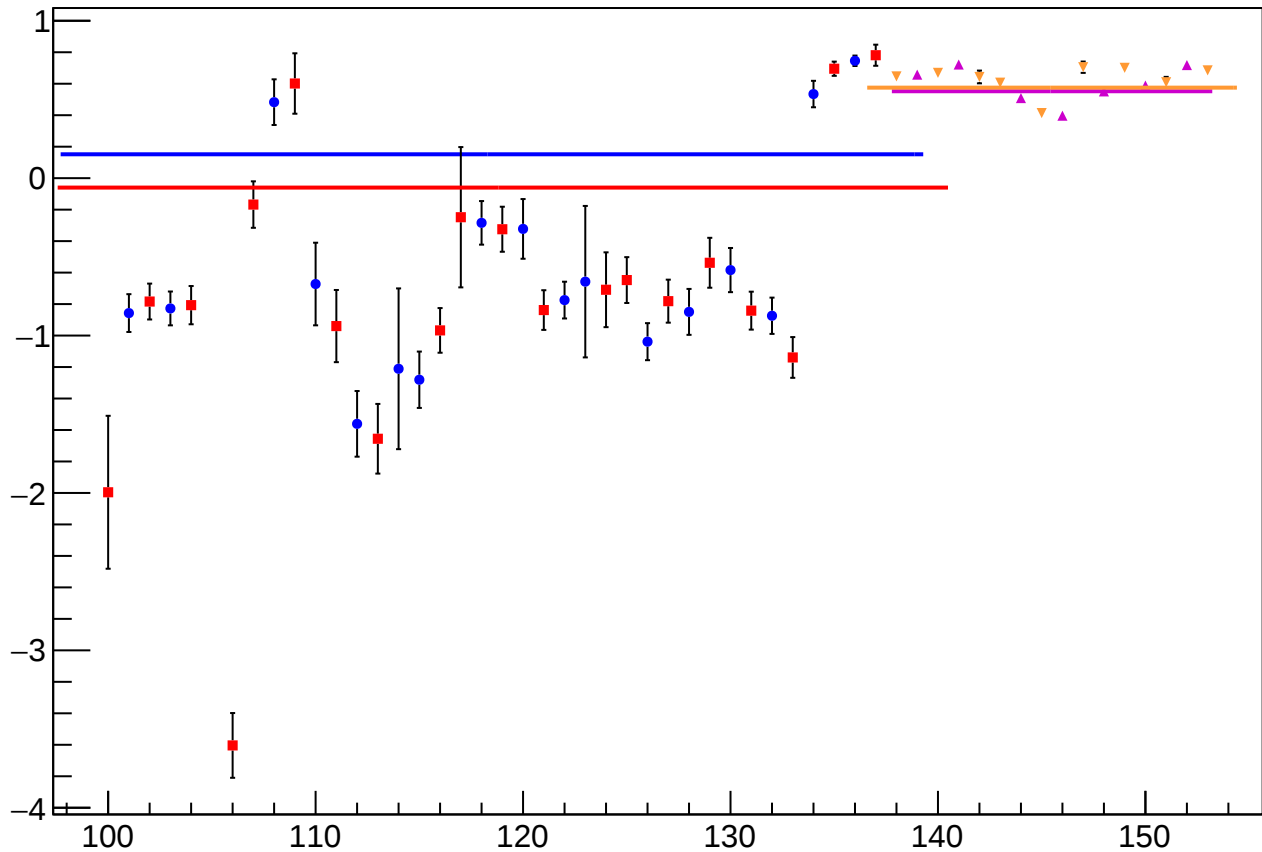
Right Out: -64.470±/0.482 χ^2/NDF : 1607.5/19

Left In: -28.442±/0.179 χ^2/NDF : 2443.0/6

-38.471±/0.170 χ^2/NDF : 8814.8/25

-32.824±/0.168 χ^2/NDF : 8961.7/26

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.152 ± 0.024 χ^2/NDF : 987.4/16

Left Out: 0.575 ± 0.009 χ^2/NDF : 182.2/8

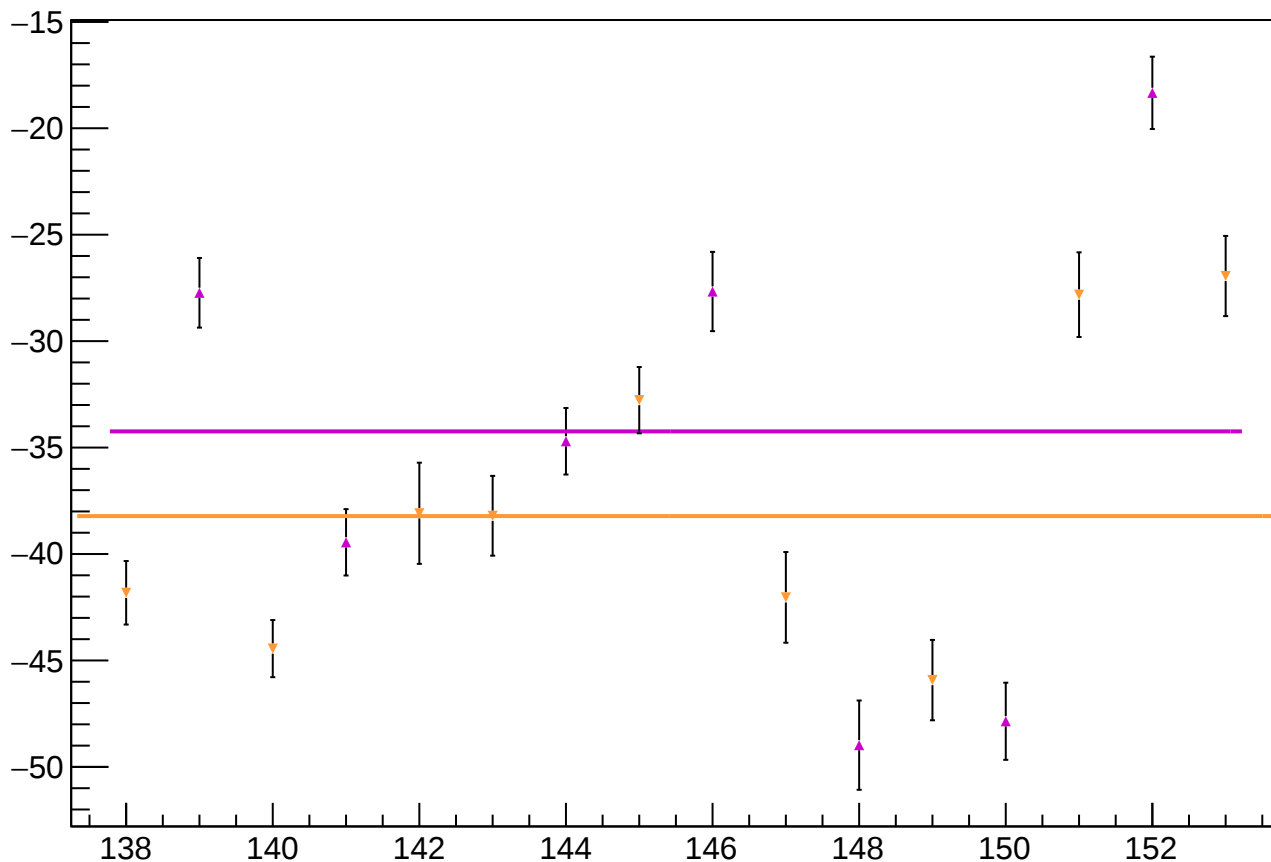
Right Out: -0.060 ± 0.026 χ^2/NDF : 1162.1/19

Left In: 0.552 ± 0.009 χ^2/NDF : 169.2/6

0.524 ± 0.008 χ^2/NDF : 1442.3/25

0.485 ± 0.009 χ^2/NDF : 1815.7/26

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



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

Left Out: -38.218 $\pm$ 0.586 χ^2 /NDF:122.7/8

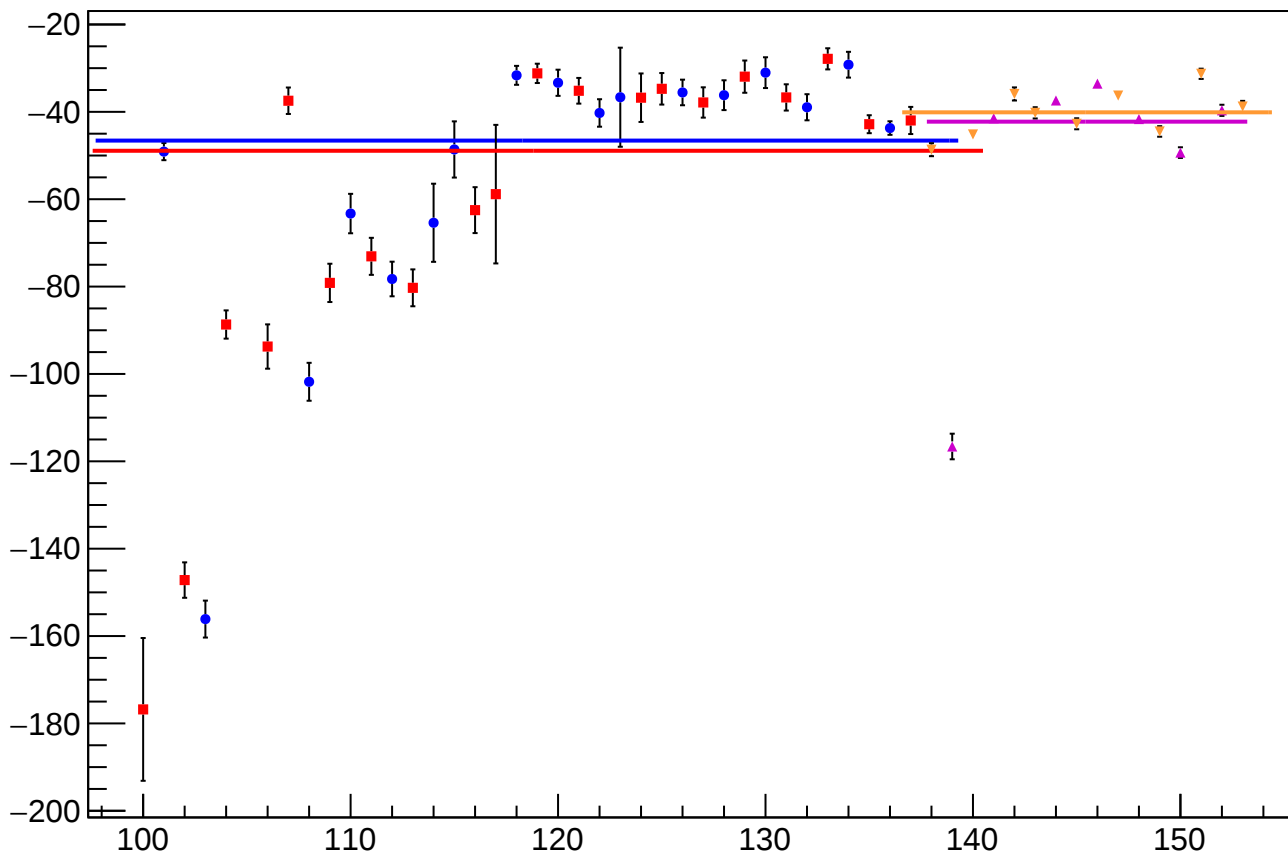
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -34.240 $\pm$ 0.651 χ^2 /NDF:233.0/6

-38.218 $\pm$ 0.586 χ^2 /NDF: 122.7/8

-34.240 $\pm$ 0.651 χ^2 /NDF: 233.0/6

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: -40.107 ± 0.411 $\chi^2/\text{NDF}: 151.4/8$

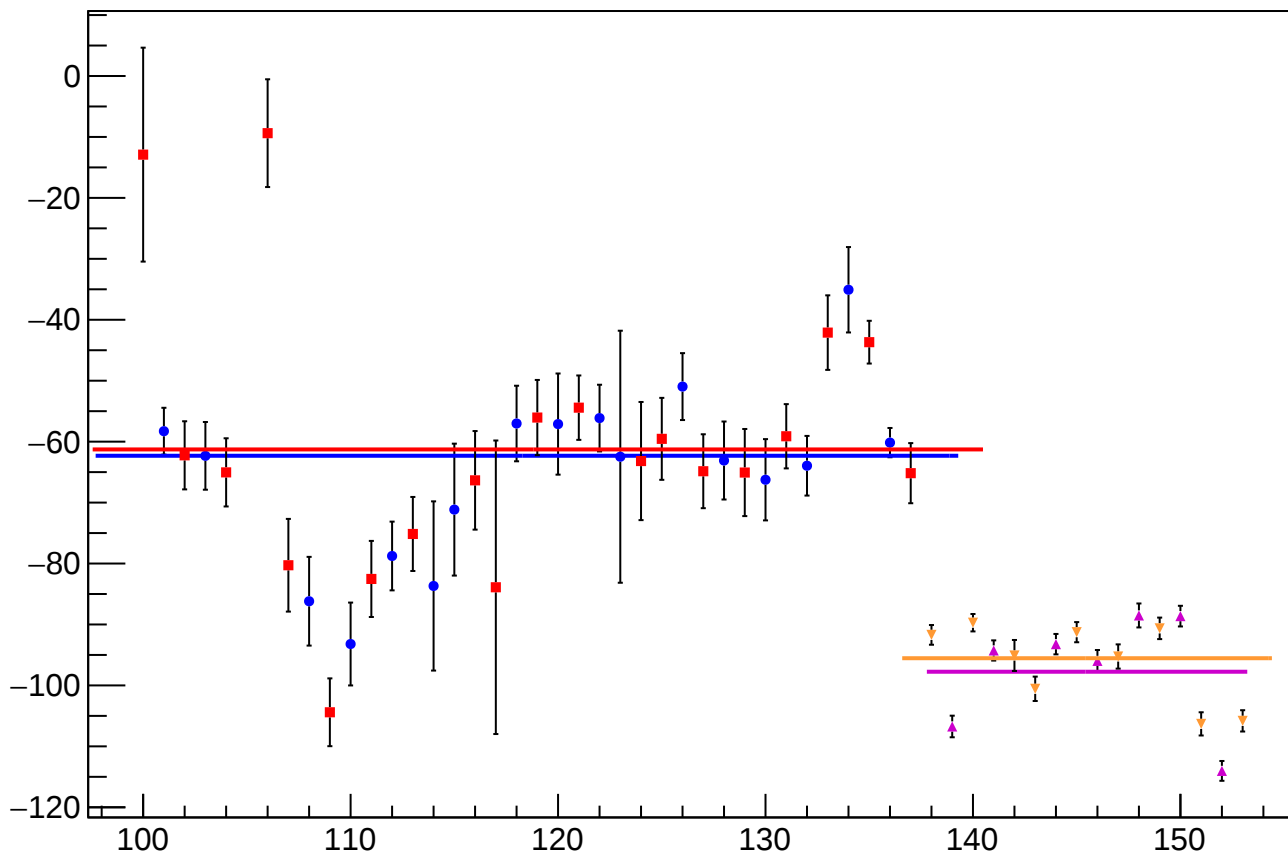
Right Out: -48.911 ± 0.763 $\chi^2/\text{NDF}: 1277.9/19$

Left In: -42.247 ± 0.460 $\chi^2/\text{NDF}: 759.8/6$

-41.664 ± 0.358 $\chi^2/\text{NDF}: 1287.5/25$

-44.023 ± 0.394 $\chi^2/\text{NDF}: 2093.7/26$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -62.315 $\pm$ 1.316 χ^2 /NDF: 67.1/16

Left Out: -95.538 $\pm$ 0.596 χ^2 /NDF:109.6/8

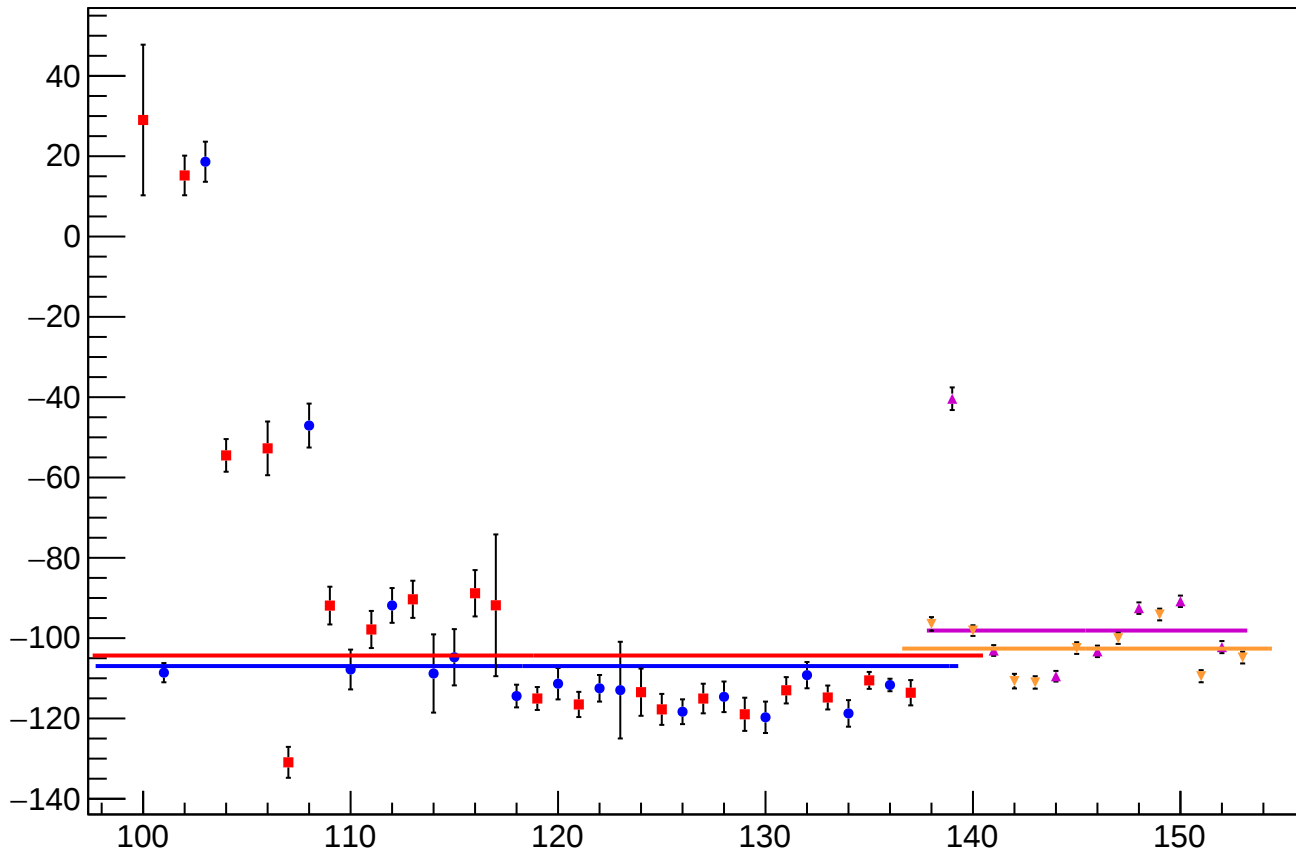
Right Out: -61.277 $\pm$ 1.379 χ^2 /NDF: 165.9/19

Left In: -97.755 $\pm$ 0.654 χ^2 /NDF:189.6/6

-89.887 $\pm$ 0.543 χ^2 /NDF: 706.0/25

-91.057 $\pm$ 0.591 χ^2 /NDF: 927.0/26

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -106.954 ± 0.817 $\chi^2/\text{NDF}: 827.2/16$

Left Out: -102.602 ± 0.501 $\chi^2/\text{NDF}: 134.0/8$

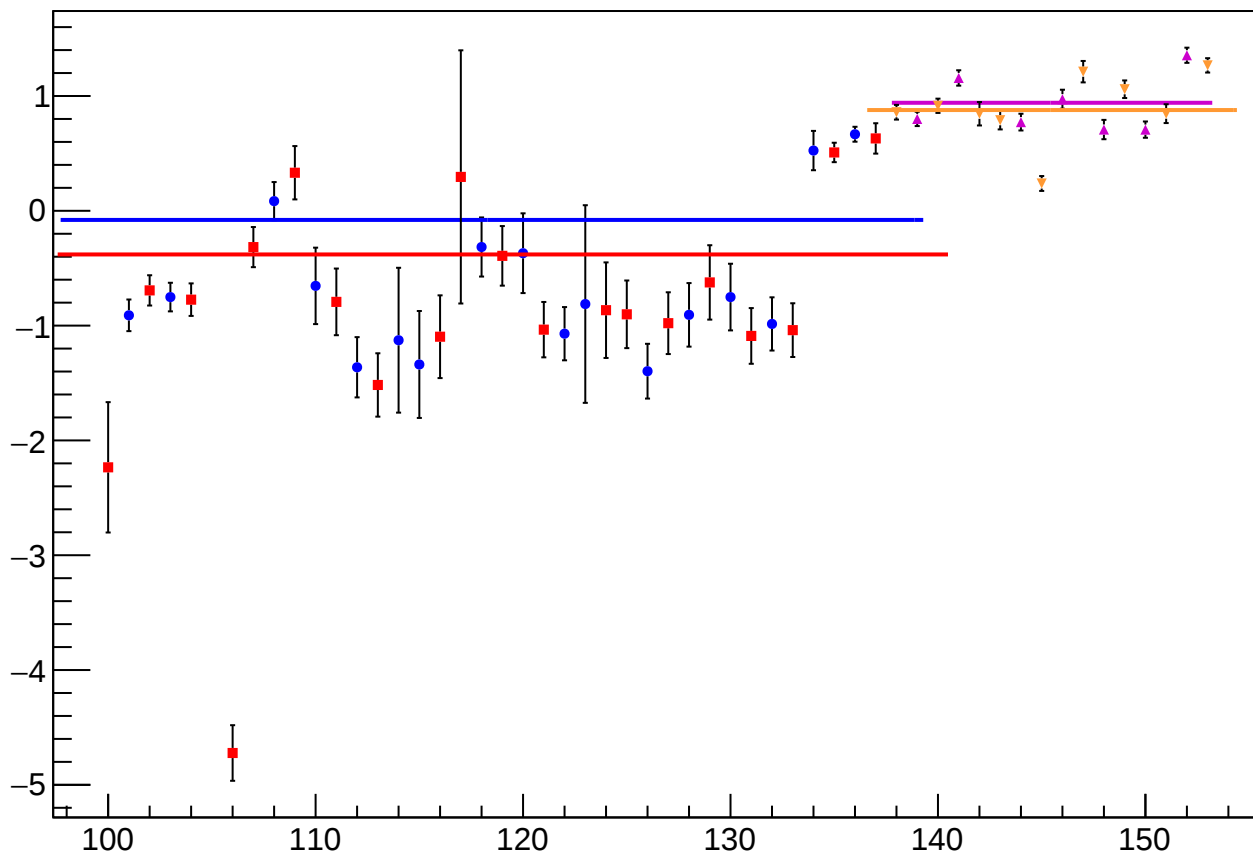
Right Out: -104.326 ± 0.860 $\chi^2/\text{NDF}: 1021.5/19$

Left In: -98.109 ± 0.562 $\chi^2/\text{NDF}: 568.8/6$

-103.790 ± 0.427 $\chi^2/\text{NDF}: 981.8/25$

-99.967 ± 0.470 $\chi^2/\text{NDF}: 1626.9/26$

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.079 ± 0.042 χ^2/NDF : 328.5/16

Left Out: 0.878 ± 0.024 χ^2/NDF : 156.4/8

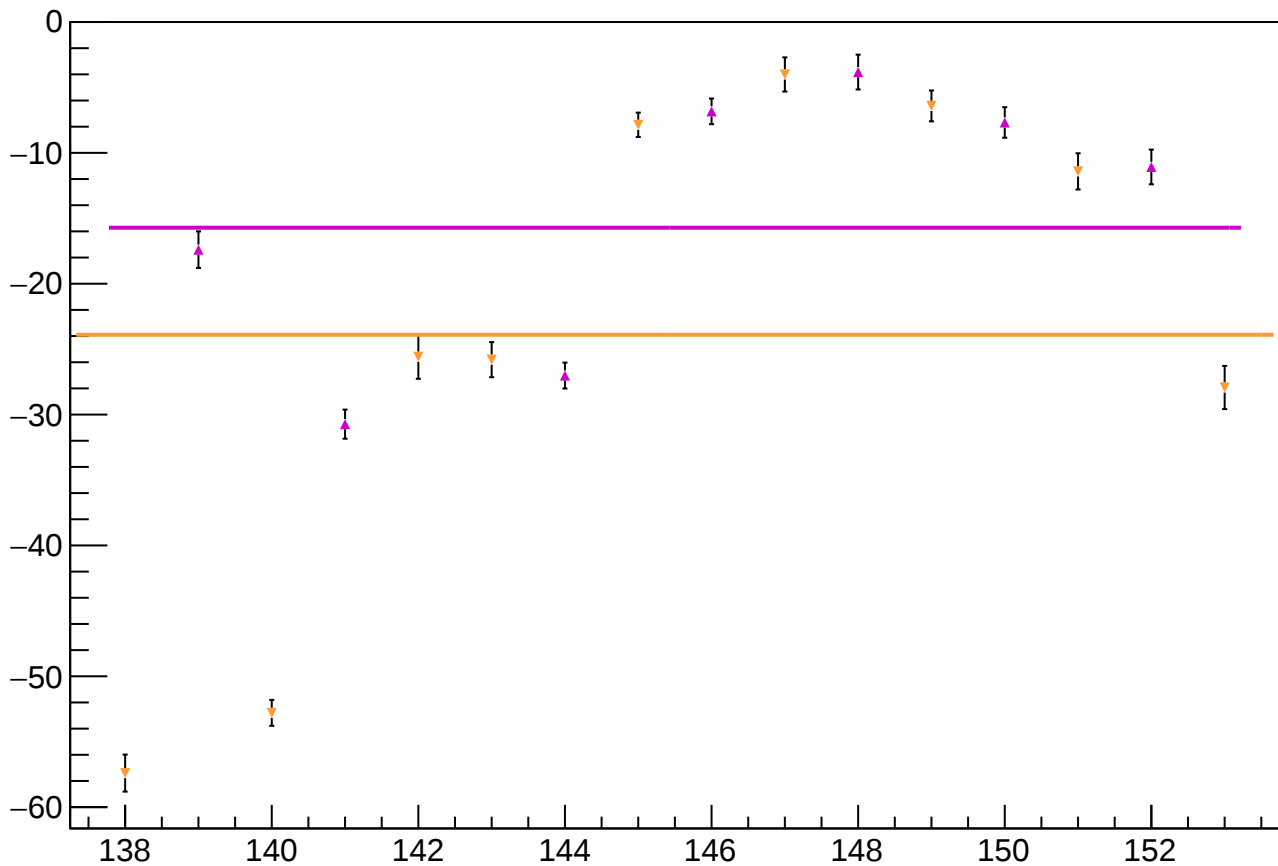
Right Out: -0.380 ± 0.044 χ^2/NDF : 580.9/19

Left In: 0.941 ± 0.027 χ^2/NDF : 78.8/6

0.639 ± 0.021 χ^2/NDF : 869.7/25

0.582 ± 0.023 χ^2/NDF : 1316.7/26

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



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

Left Out: -23.902+/-0.416 χ^2/NDF : 2252.5/8

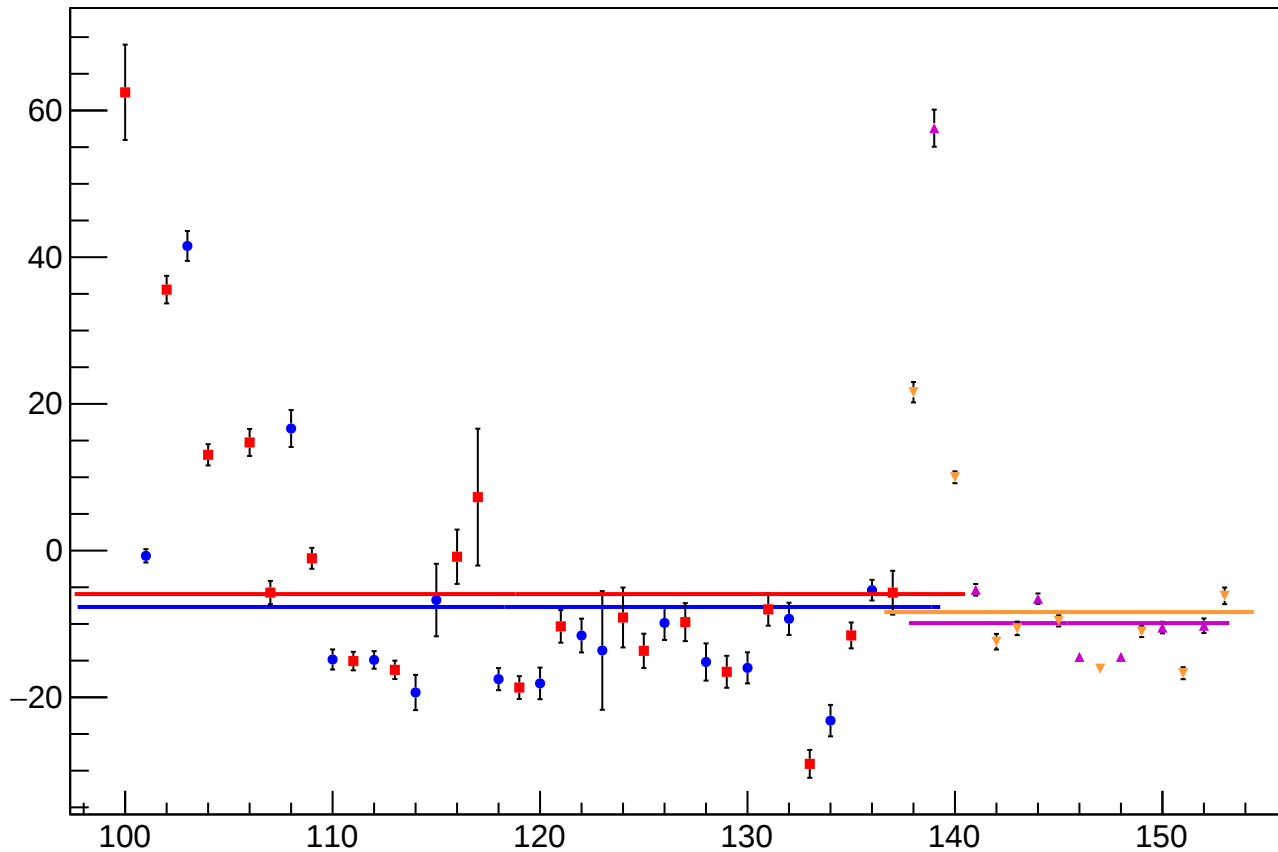
-23.902+/-0.416 χ^2/NDF : 2252.5/8

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

-15.718+/-0.436 χ^2/NDF : 536.1/6

Left In: -15.718+/-0.436 χ^2/NDF : 536.1/6

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -7.686 ± 0.430 χ^2/NDF : 975.9/16

Left Out: -8.378 ± 0.284 χ^2/NDF : 1275.8/8

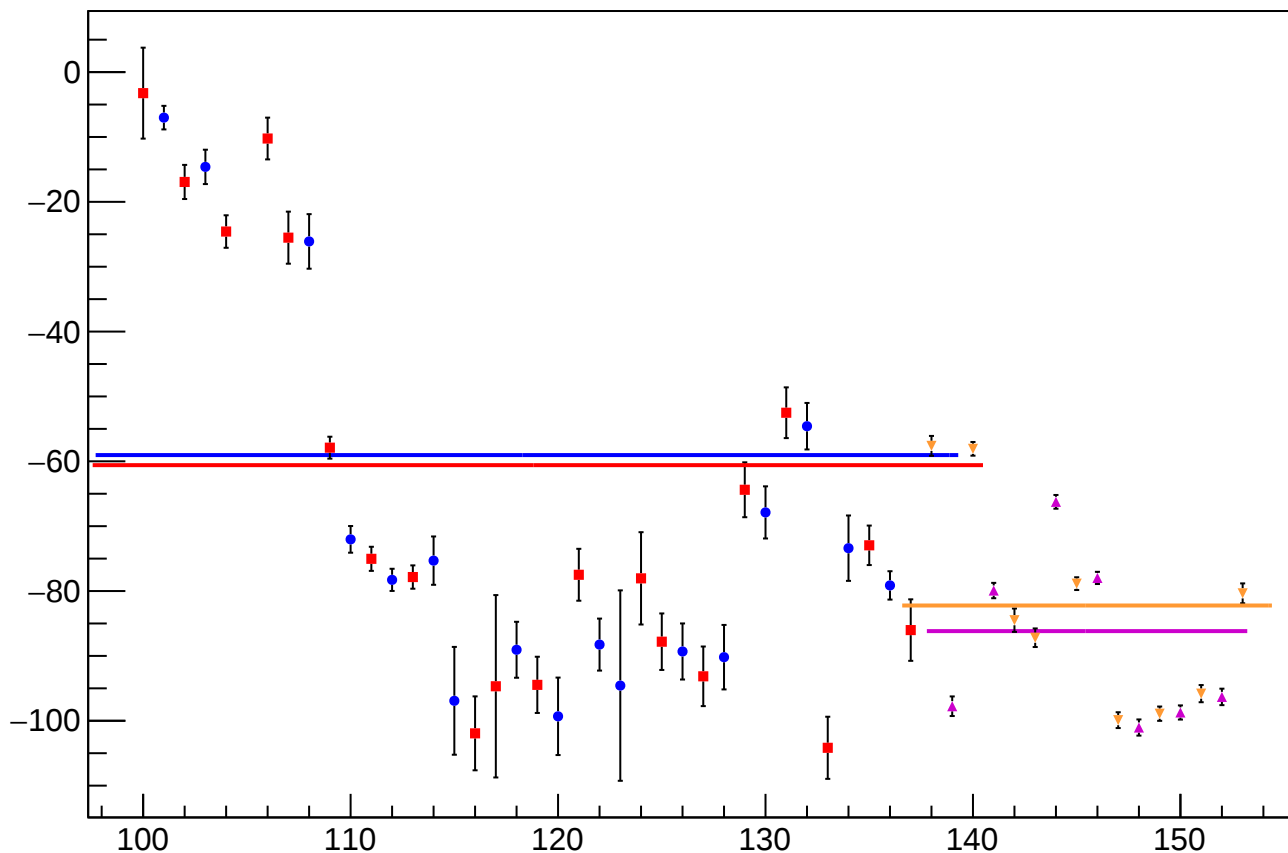
Right Out: -5.925 ± 0.428 χ^2/NDF : 1300.1/19

Left In: -9.879 ± 0.296 χ^2/NDF : 875.1/6

-8.168 ± 0.237 χ^2/NDF : 2253.5/25

-8.599 ± 0.244 χ^2/NDF : 2232.8/26

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -59.039±0.746 χ^2/NDF : 1709.5/16

Left Out: -82.229±0.421 χ^2/NDF :1353.0/8

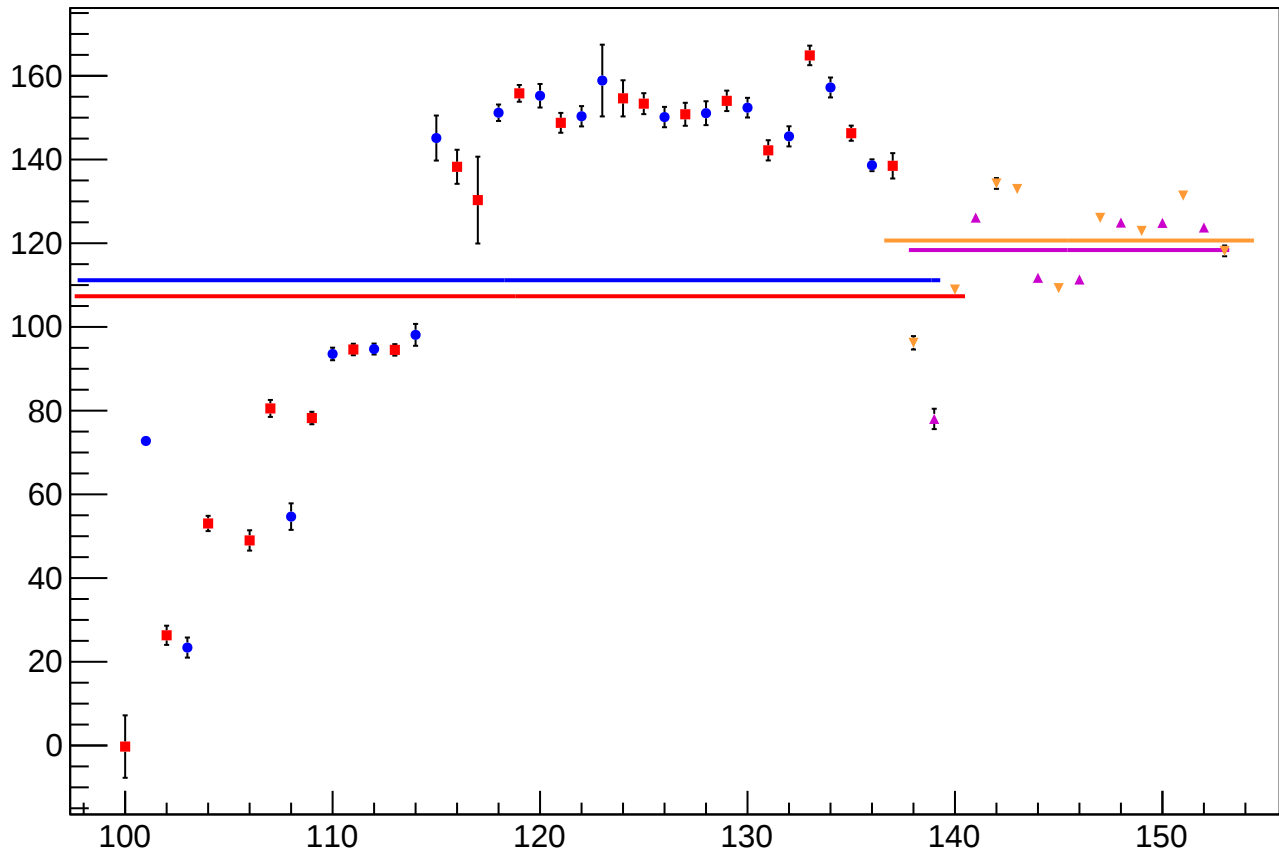
Right Out: -60.593±0.704 χ^2/NDF : 1390.7/19

Left In: -86.177±0.435 χ^2/NDF :854.4/6

-76.625±0.367 χ^2/NDF : 3796.0/25

-79.093±0.370 χ^2/NDF : 3201.4/26

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: 120.649 $\pm$ 0.349 χ^2 /NDF: 934.8/8

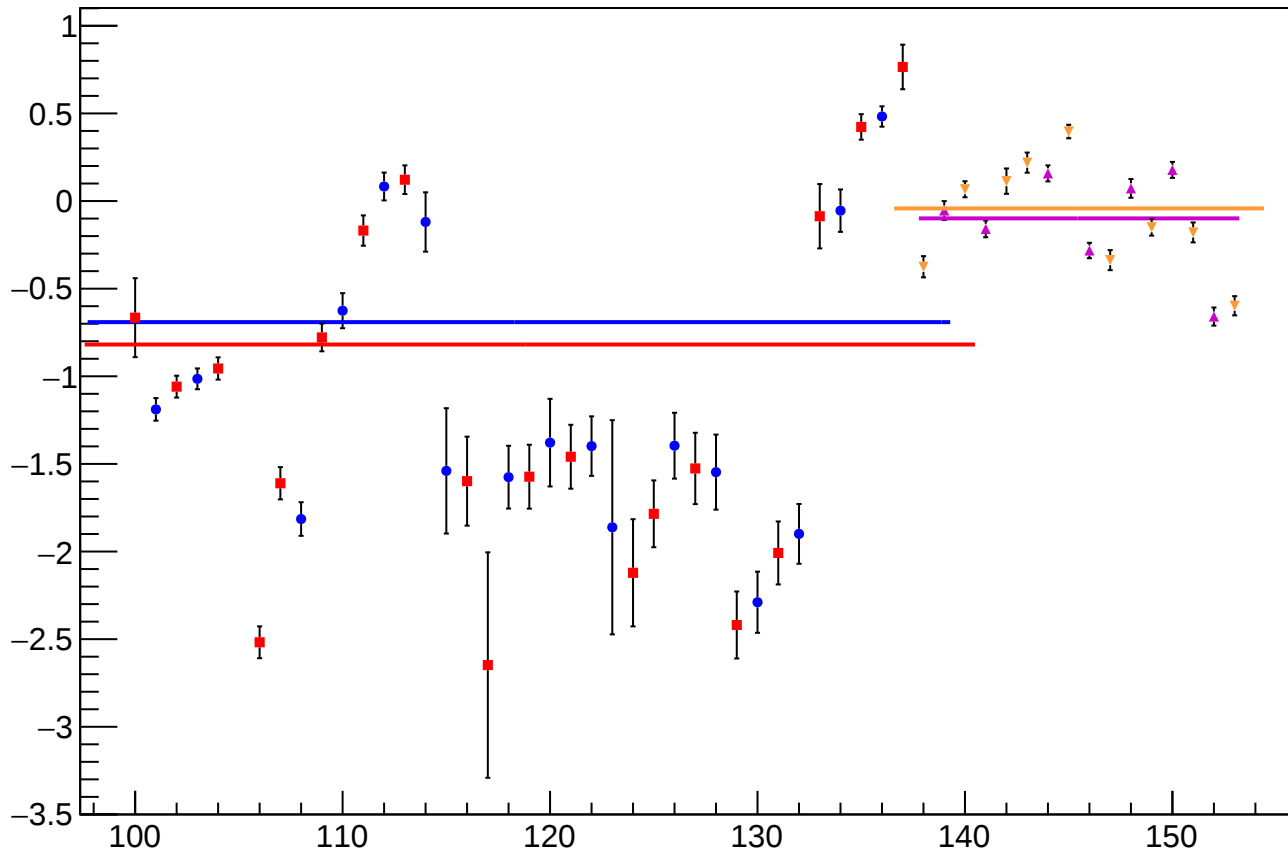
Right Out: 107.334 $\pm$ 0.487 χ^2 /NDF: 7060.0/19

Left In: 118.369 $\pm$ 0.364 χ^2 /NDF: 611.8/6

117.451 $\pm$ 0.284 χ^2 /NDF: 7062.0/25

114.410 $\pm$ 0.292 χ^2 /NDF: 8000.9/26

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.691 ± 0.026 χ^2/NDF : 990.9/16

Left Out: -0.042 ± 0.017 χ^2/NDF : 330.8/8

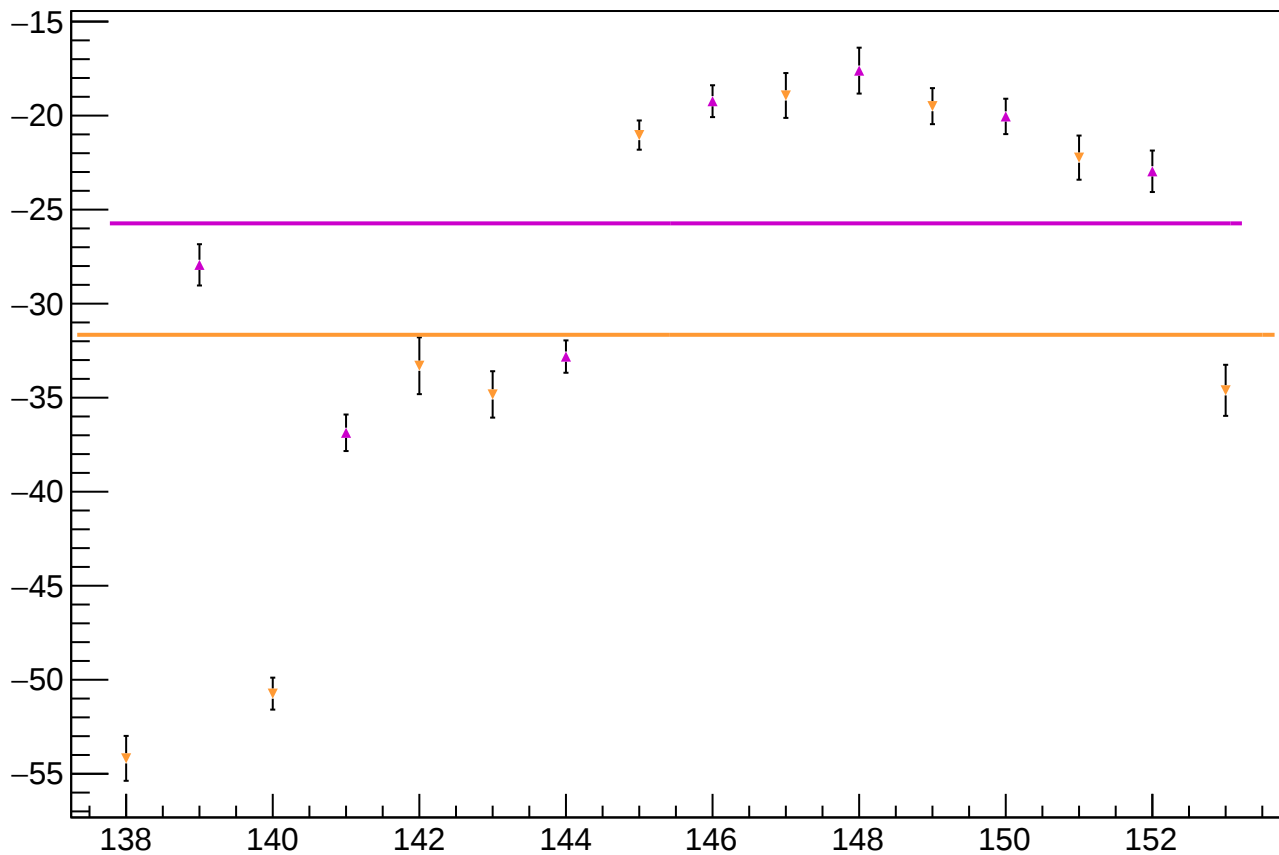
Right Out: -0.819 ± 0.024 χ^2/NDF : 1312.5/19

Left In: -0.099 ± 0.018 χ^2/NDF : 215.7/6

-0.245 ± 0.014 χ^2/NDF : 1755.6/25

-0.359 ± 0.015 χ^2/NDF : 2086.1/26

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



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

Left Out: -31.656+/-0.356 χ^2/NDF : 1398.9/8

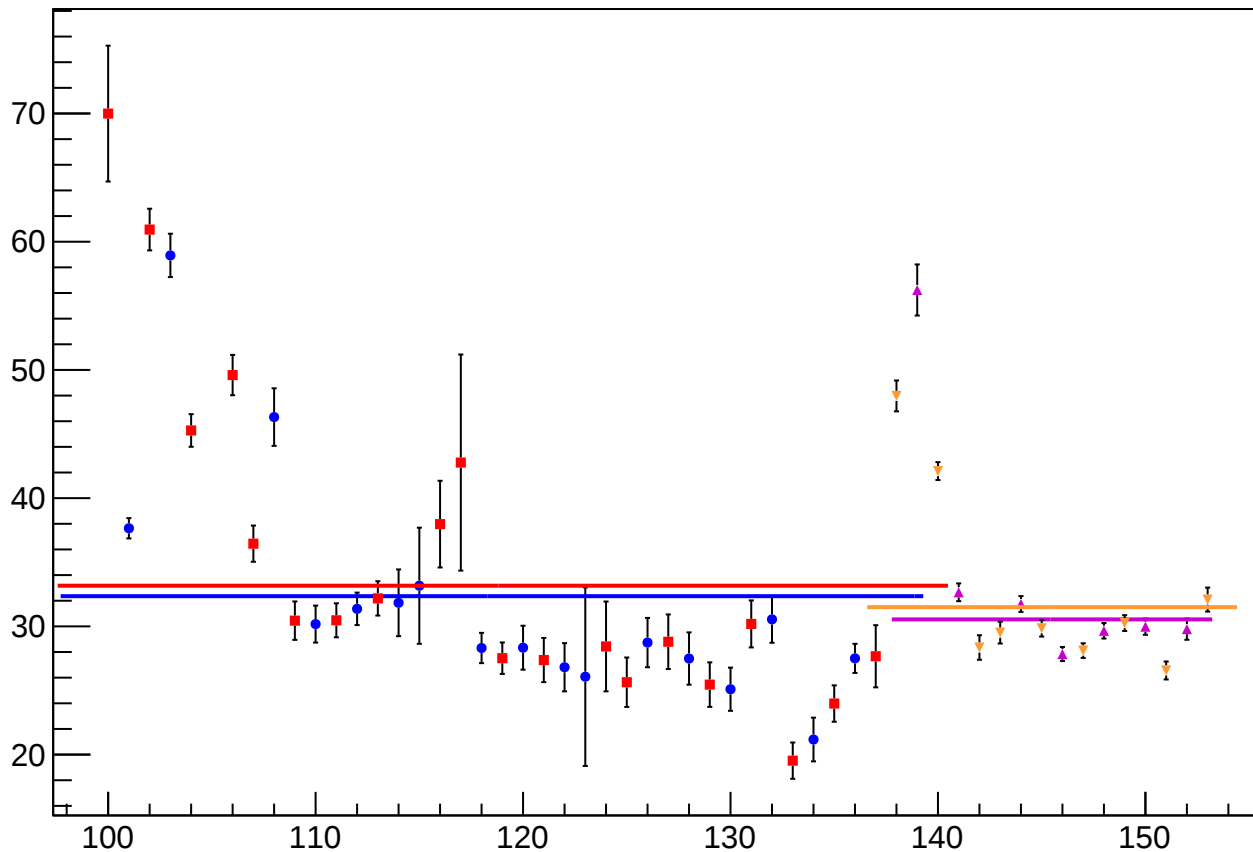
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -25.731+/-0.371 χ^2/NDF : 349.3/6

-31.656+/-0.356 χ^2/NDF : 1398.9/8

-25.731+/-0.371 χ^2/NDF : 349.3/6

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 32.355 $\pm$ 0.375 χ^2/NDF : 450.5/16

Left Out: 31.499 $\pm$ 0.246 χ^2/NDF : 530.8/8

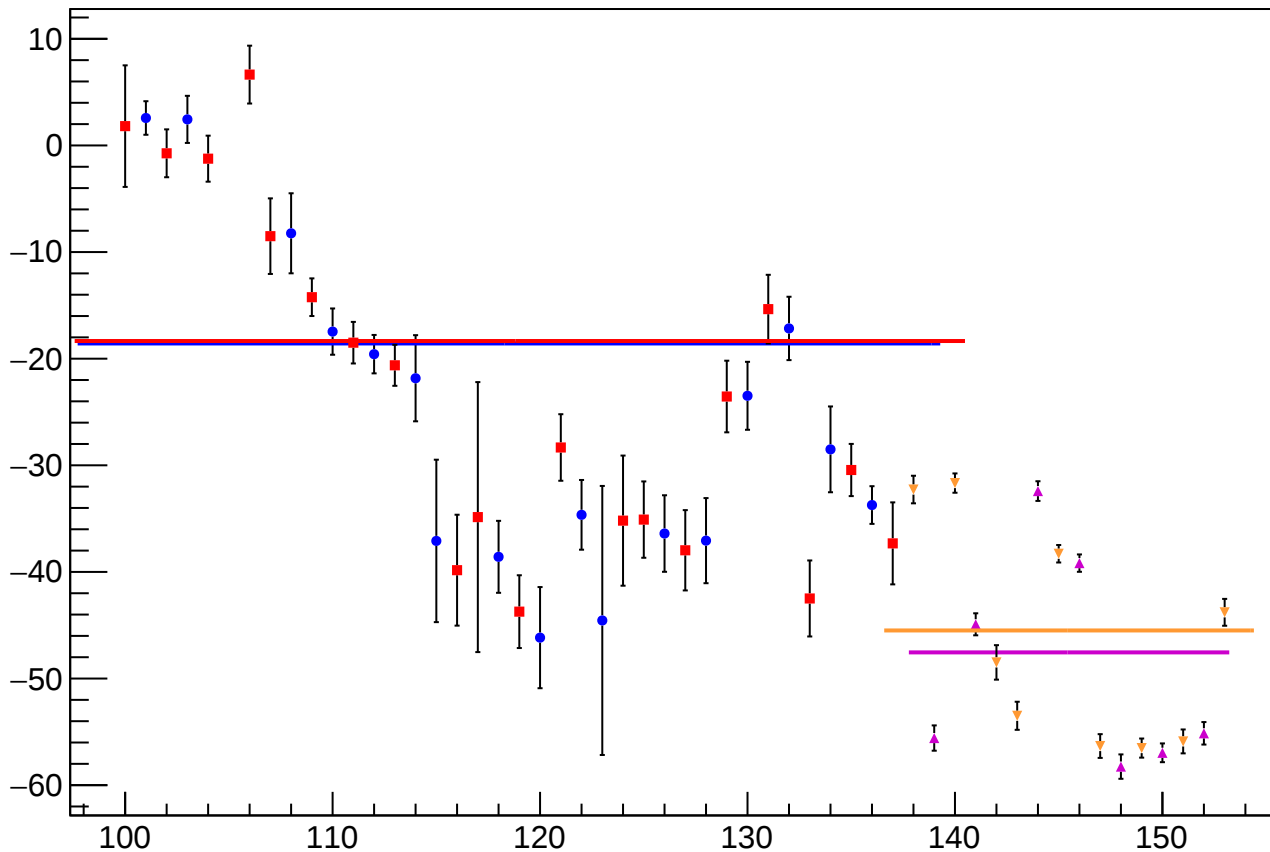
Right Out: 33.172 $\pm$ 0.378 χ^2/NDF : 773.3/19

Left In: 30.544 $\pm$ 0.258 χ^2/NDF : 207.4/6

31.757 $\pm$ 0.206 χ^2/NDF : 984.9/25

31.379 $\pm$ 0.213 χ^2/NDF : 1013.5/26

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: -45.490 ± 0.359 $\chi^2/\text{NDF}: 789.1/8$

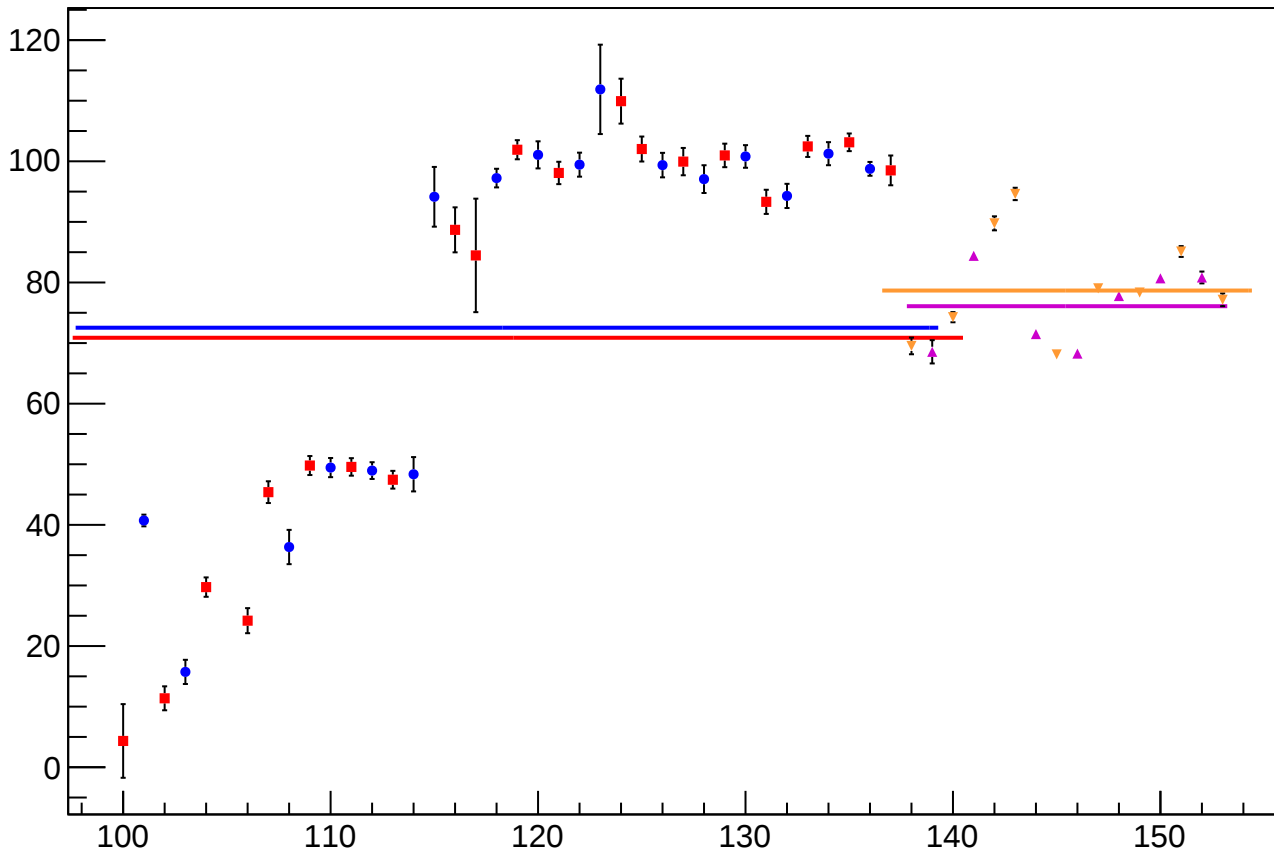
Right Out: -18.343 ± 0.643 $\chi^2/\text{NDF}: 475.1/19$

Left In: -47.547 ± 0.370 $\chi^2/\text{NDF}: 681.0/6$

-39.440 ± 0.316 $\chi^2/\text{NDF}: 2561.4/25$

-40.268 ± 0.321 $\chi^2/\text{NDF}: 2704.8/26$

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 72.537+/-0.428 χ^2 /NDF: 4684.1/16

Left Out: 78.671+/-0.301 χ^2 /NDF:664.8/8

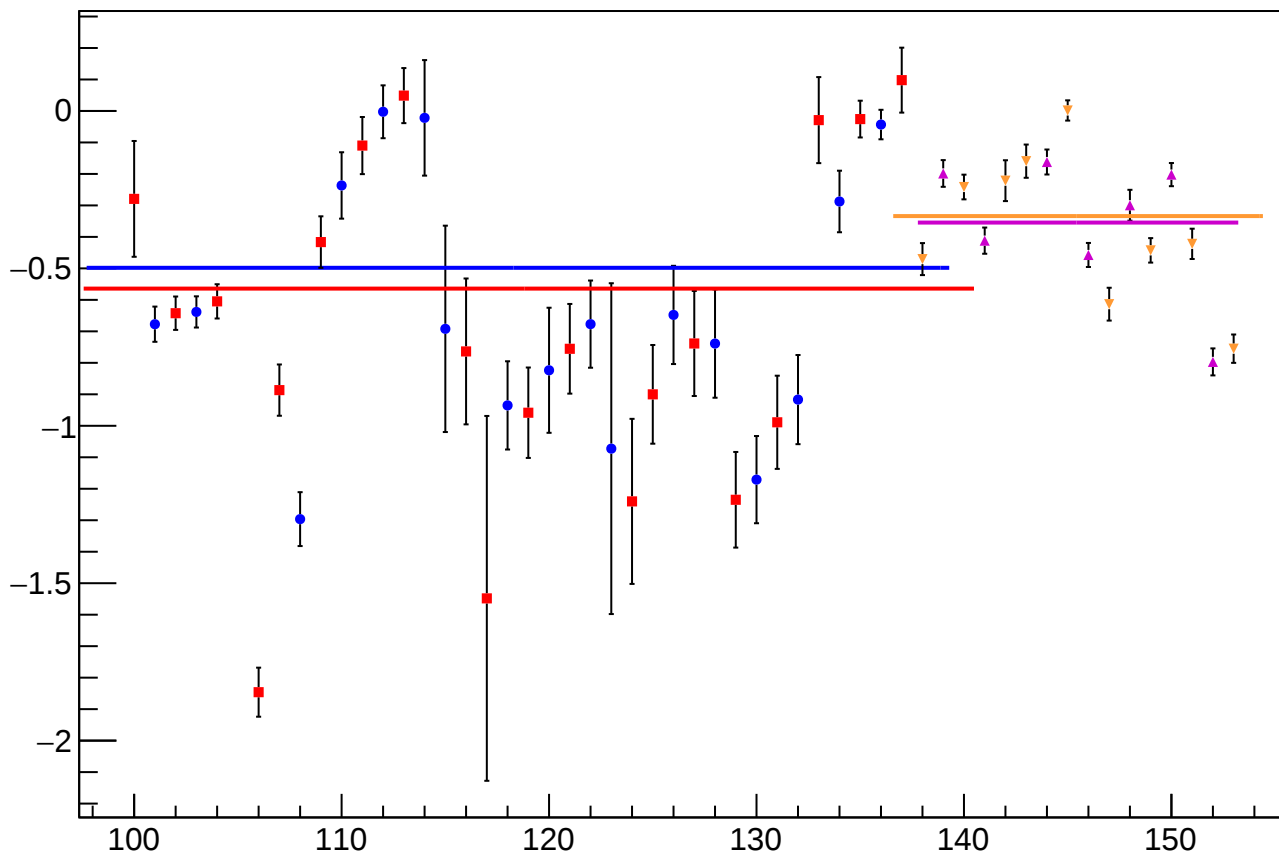
Right Out: 70.878+/-0.433 χ^2 /NDF: 5502.3/19

Left In: 76.086+/-0.315 χ^2 /NDF:355.2/6

76.645+/-0.246 χ^2 /NDF: 5486.3/25

74.285+/-0.254 χ^2 /NDF: 5952.3/26

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.498+/-0.022 χ^2/NDF : 302.8/16

Left Out: -0.334+/-0.015 χ^2/NDF : 262.9/8

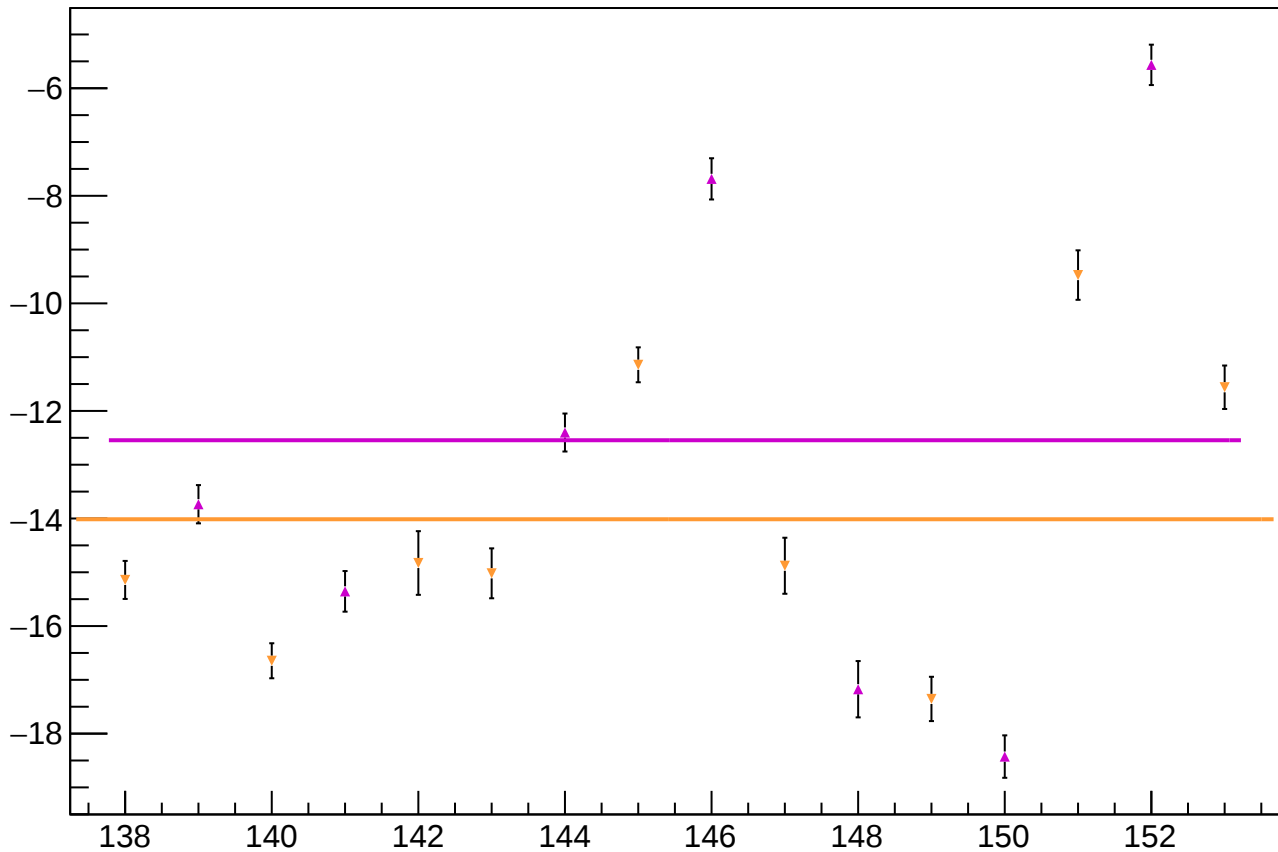
Right Out: -0.564+/-0.021 χ^2/NDF : 563.6/19

Left In: -0.354+/-0.016 χ^2/NDF : 171.0/6

-0.384+/-0.012 χ^2/NDF : 603.2/25

-0.427+/-0.013 χ^2/NDF : 797.6/26

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: -14.014+/-0.135 χ^2/NDF : 363.2/8

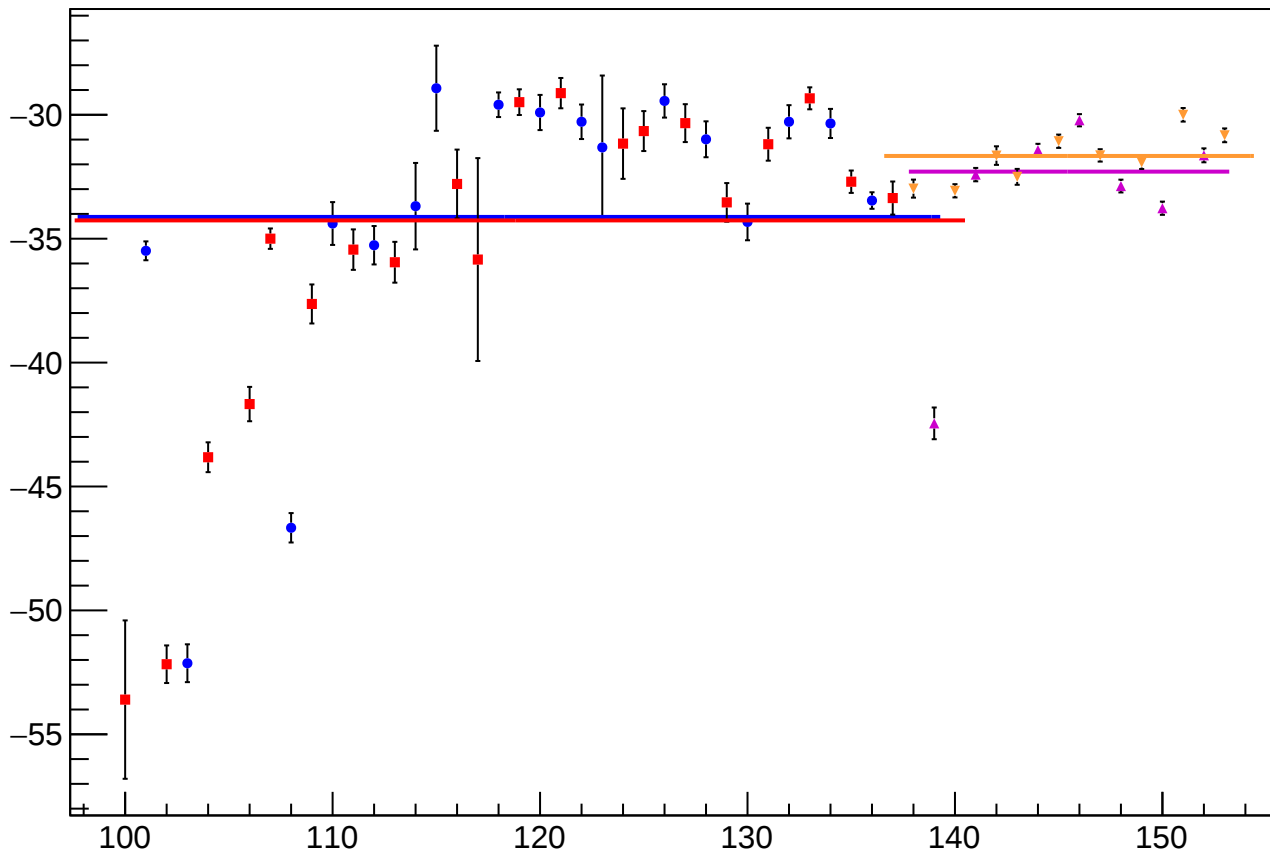
-14.014+/-0.135 χ^2/NDF : 363.2/8

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

-12.545+/-0.146 χ^2/NDF : 873.4/6

Left In: -12.545+/-0.146 χ^2/NDF : 873.4/6

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: -31.661 $\pm$ 0.096 χ^2/NDF : 99.1/8

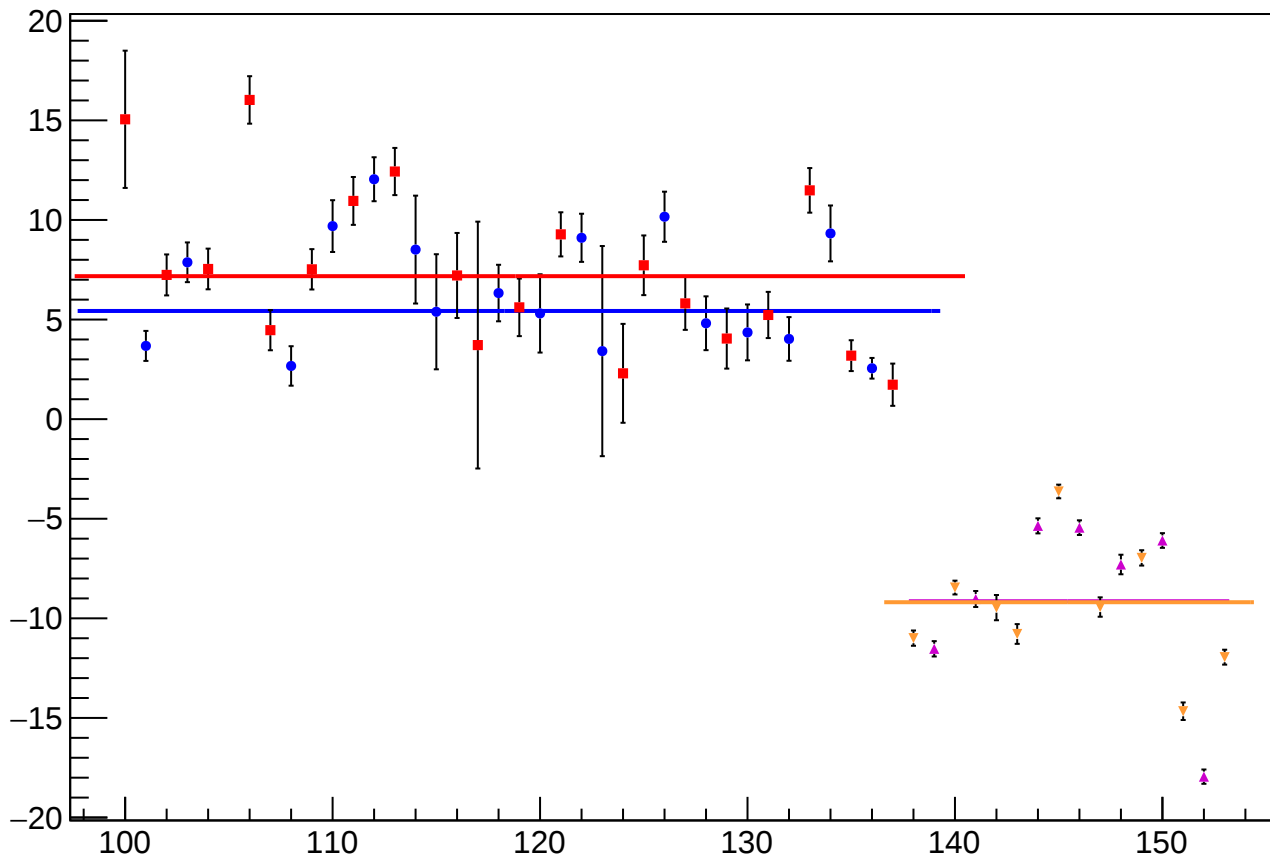
Right Out: -34.262 $\pm$ 0.151 χ^2/NDF : 1355.1/19

Left In: -32.294 $\pm$ 0.106 χ^2/NDF : 375.6/6

-32.364 $\pm$ 0.081 χ^2/NDF : 1609.2/25

-32.942 $\pm$ 0.086 χ^2/NDF : 1845.0/26

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: -9.191+/-0.137 χ^2/NDF : 542.3/8

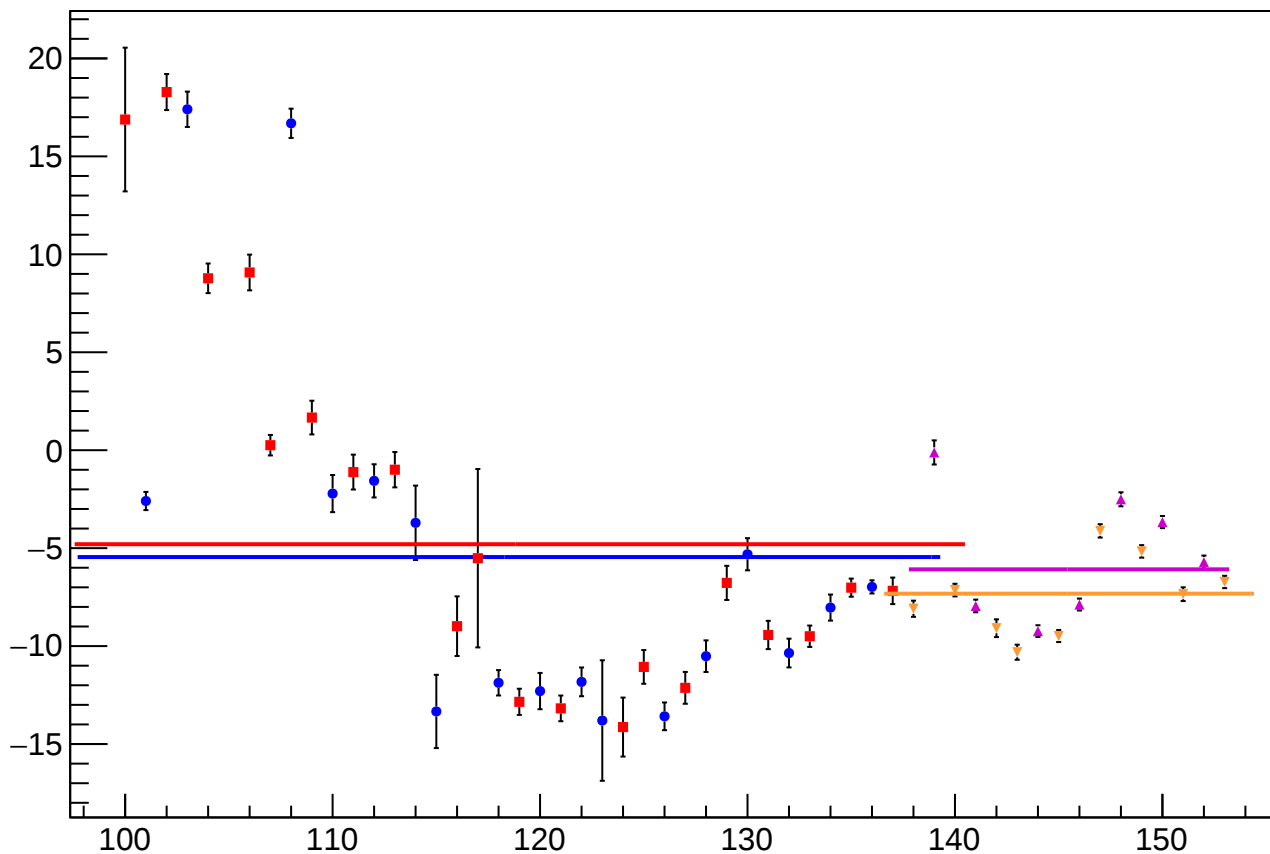
Right Out: 7.178+/-0.274 χ^2/NDF : 182.4/19

Left In: -9.142+/-0.147 χ^2/NDF : 923.4/6

-6.211+/-0.122 χ^2/NDF : 3002.6/25

-5.514+/-0.129 χ^2/NDF : 3861.3/26

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: -7.324+/-0.116 χ^2/NDF : 265.4/8

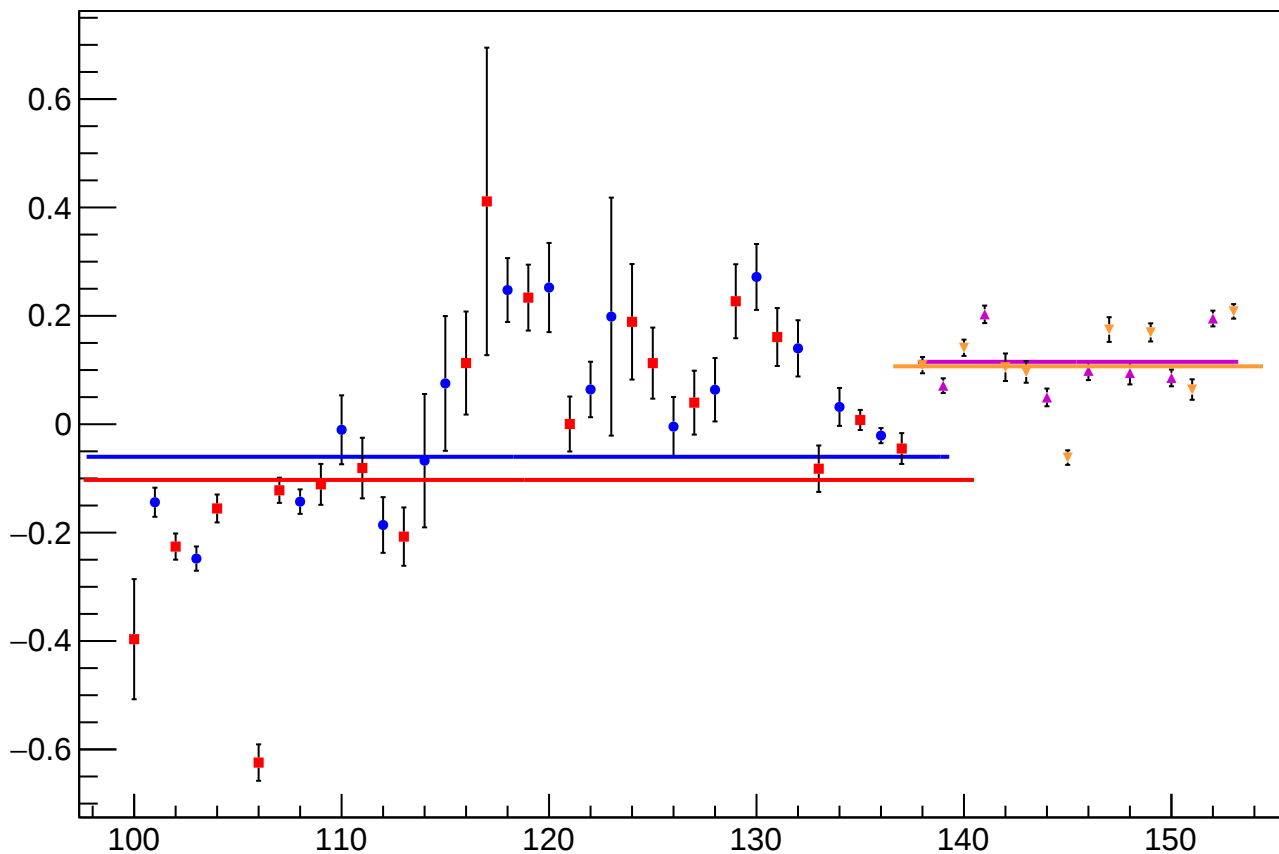
Right Out: -4.799+/-0.173 χ^2/NDF : 2047.5/19

Left In: -6.082+/-0.128 χ^2/NDF : 434.1/6

-6.733+/-0.096 χ^2/NDF : 2443.7/25

-5.629+/-0.103 χ^2/NDF : 2517.2/26

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.060 ± 0.008 χ^2/NDF : 215.5/16

Left Out: 0.107 ± 0.006 χ^2/NDF : 247.6/8

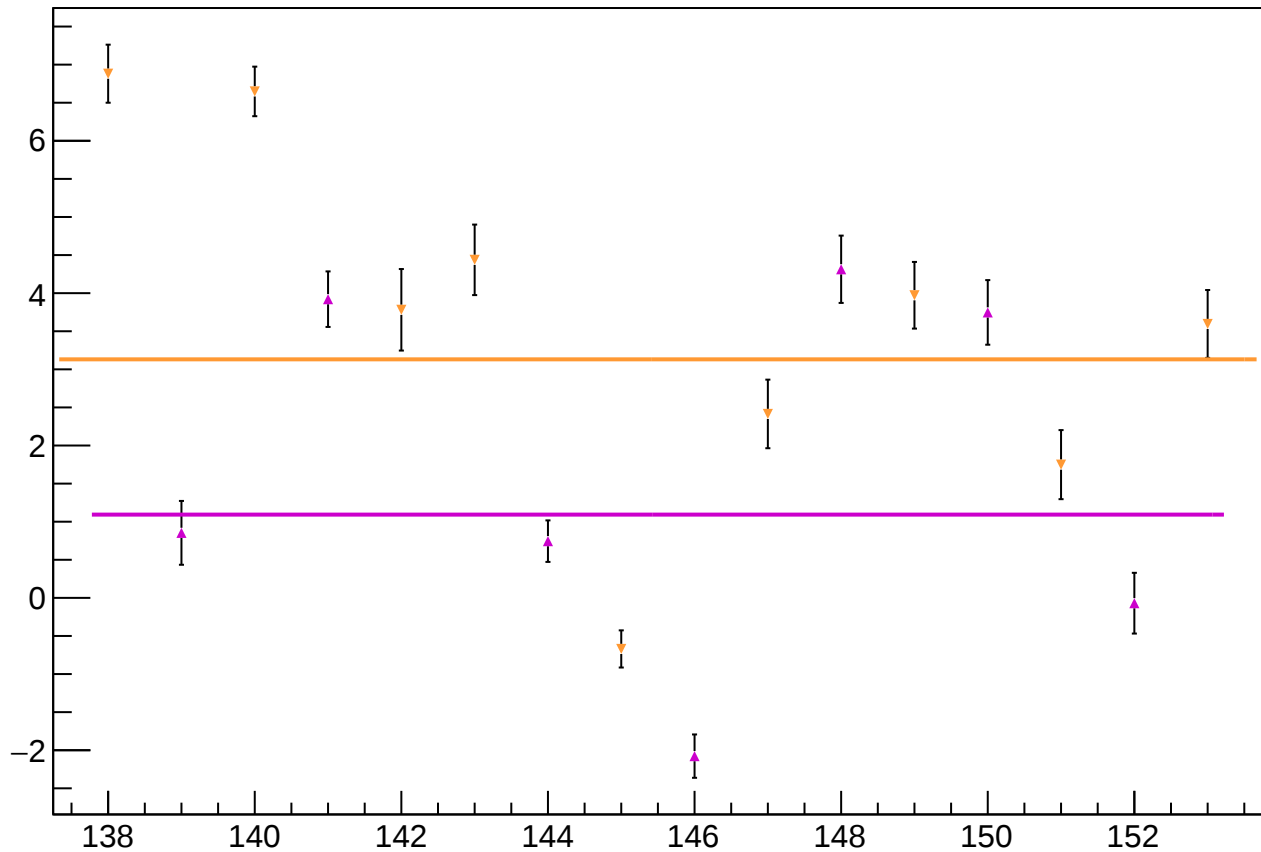
Right Out: -0.103 ± 0.008 χ^2/NDF : 437.6/19

Left In: 0.115 ± 0.006 χ^2/NDF : 91.8/6

0.056 ± 0.005 χ^2/NDF : 737.6/25

0.042 ± 0.005 χ^2/NDF : 971.5/26

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug

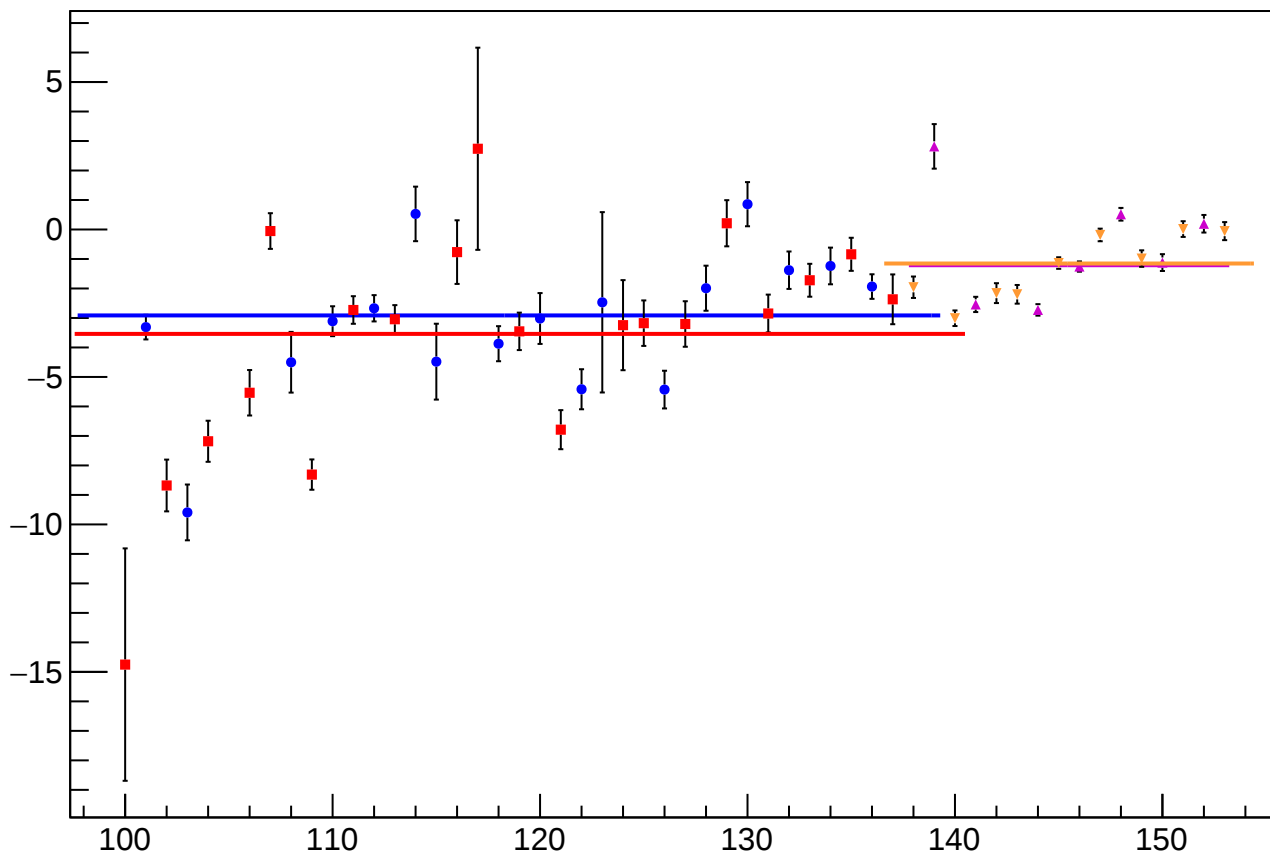


Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.131 $\pm$ 0.128 χ^2 /NDF: 482.8/8
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 1.093 $\pm$ 0.134 χ^2 /NDF: 287.1/6

3.131 $\pm$ 0.128 χ^2 /NDF: 482.8/8

1.093 $\pm$ 0.134 χ^2 /NDF: 287.1/6

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.914 ± 0.155 χ^2/NDF : 146.1/16

Left Out: -1.154 ± 0.089 χ^2/NDF : 127.1/8

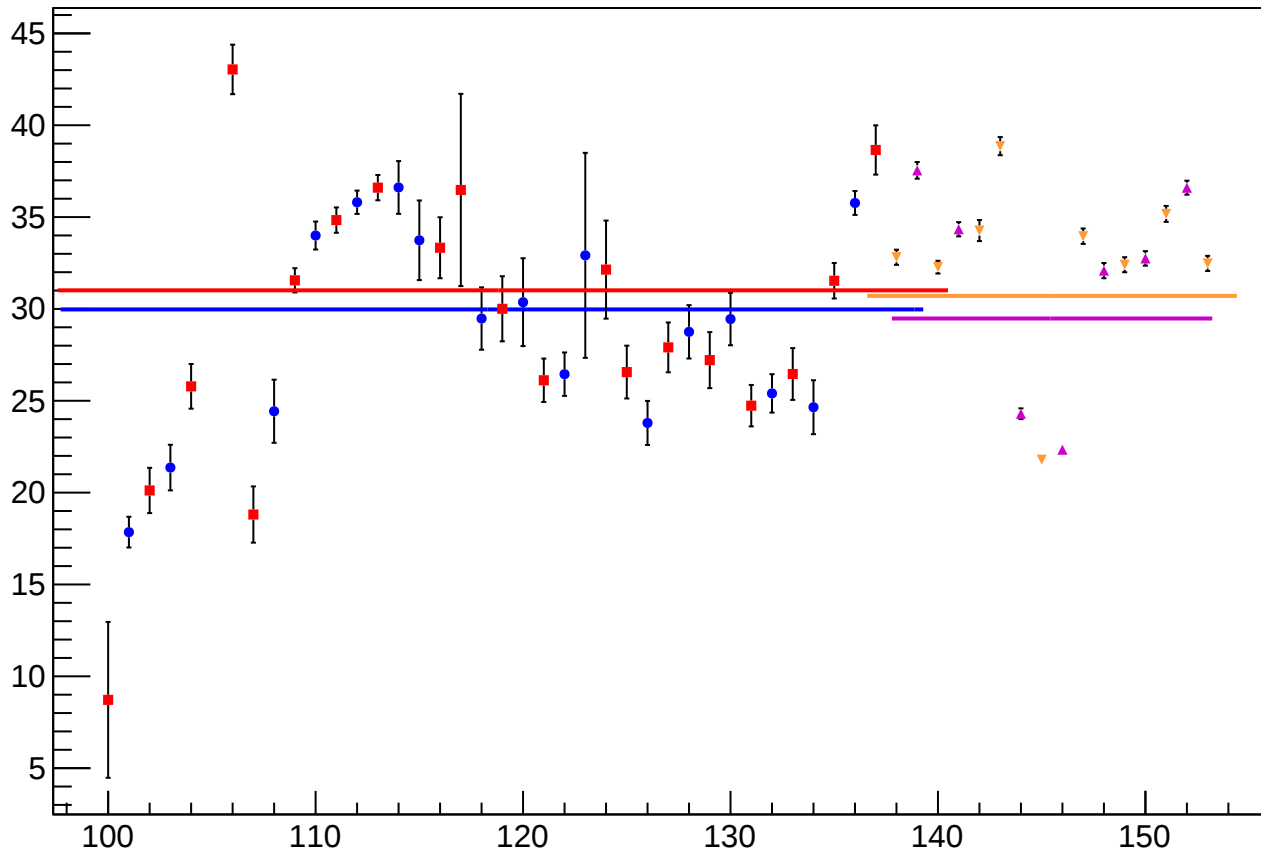
Right Out: -3.540 ± 0.154 χ^2/NDF : 294.2/19

Left In: -1.211 ± 0.091 χ^2/NDF : 202.1/6

-1.591 ± 0.077 χ^2/NDF : 370.3/25

-1.811 ± 0.078 χ^2/NDF : 665.1/26

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: 30.710 ± 0.130 $\chi^2/\text{NDF}: 1736.9/8$

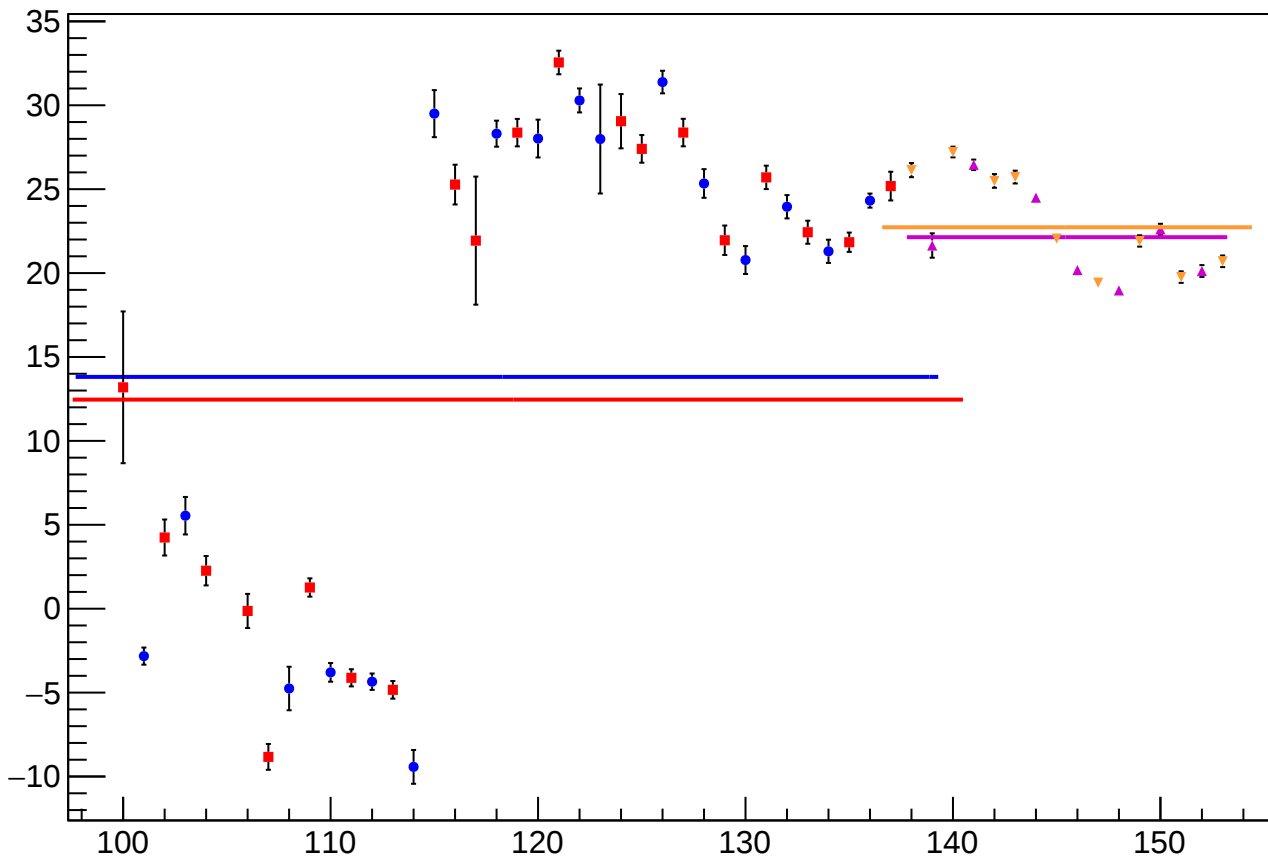
Right Out: 31.013 ± 0.260 $\chi^2/\text{NDF}: 480.6/19$

Left In: 29.478 ± 0.134 $\chi^2/\text{NDF}: 1928.5/6$

30.568 ± 0.117 $\chi^2/\text{NDF}: 2297.4/25$

29.801 ± 0.119 $\chi^2/\text{NDF}: 2436.6/26$

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: 22.730 $\pm$ 0.109 χ^2 /NDF:617.9/8

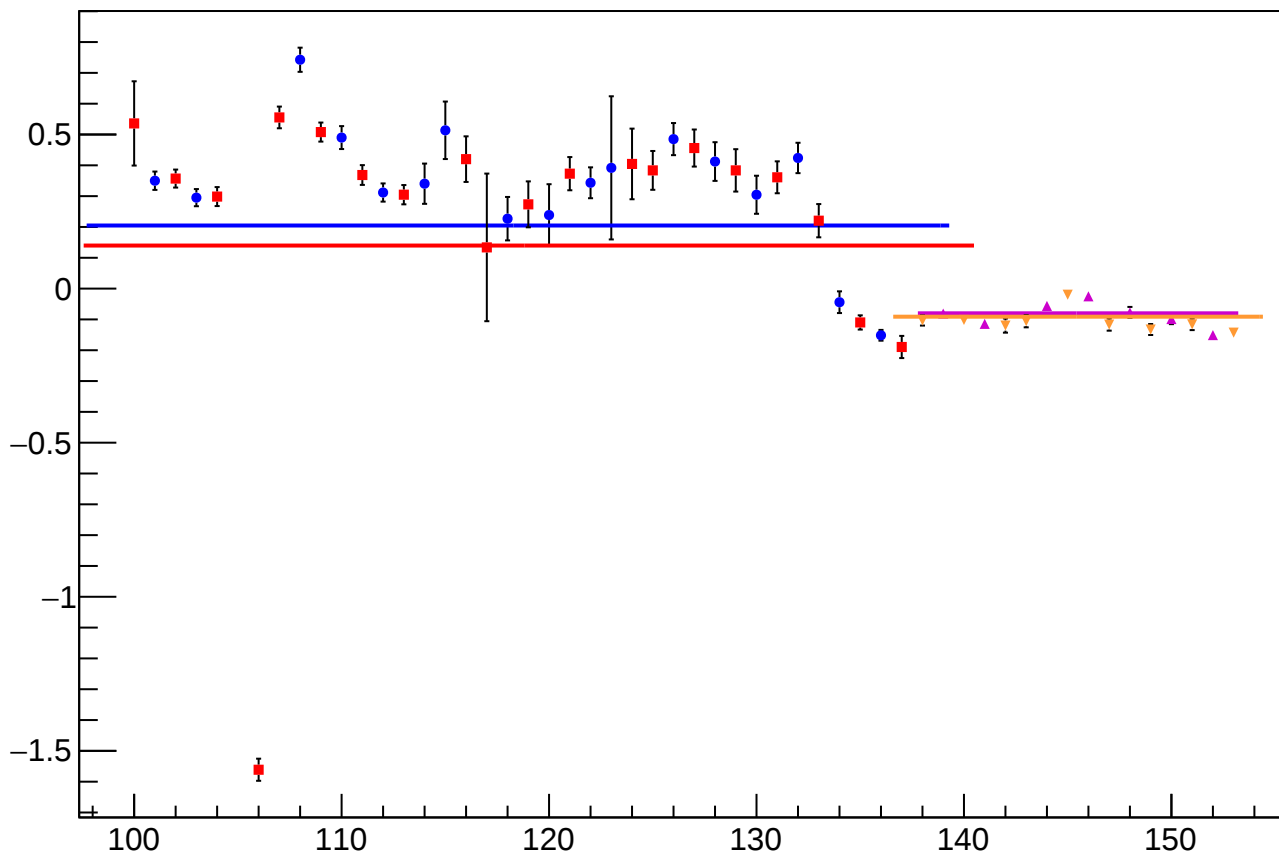
Right Out: 12.460 $\pm$ 0.174 χ^2 /NDF: 6976.5/19

Left In: 22.138 $\pm$ 0.112 χ^2 /NDF:521.1/6

20.201 $\pm$ 0.092 χ^2 /NDF: 9847.1/25

19.294 $\pm$ 0.094 χ^2 /NDF: 9693.7/26

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: -0.091 ± 0.005 χ^2/NDF : 73.5/8

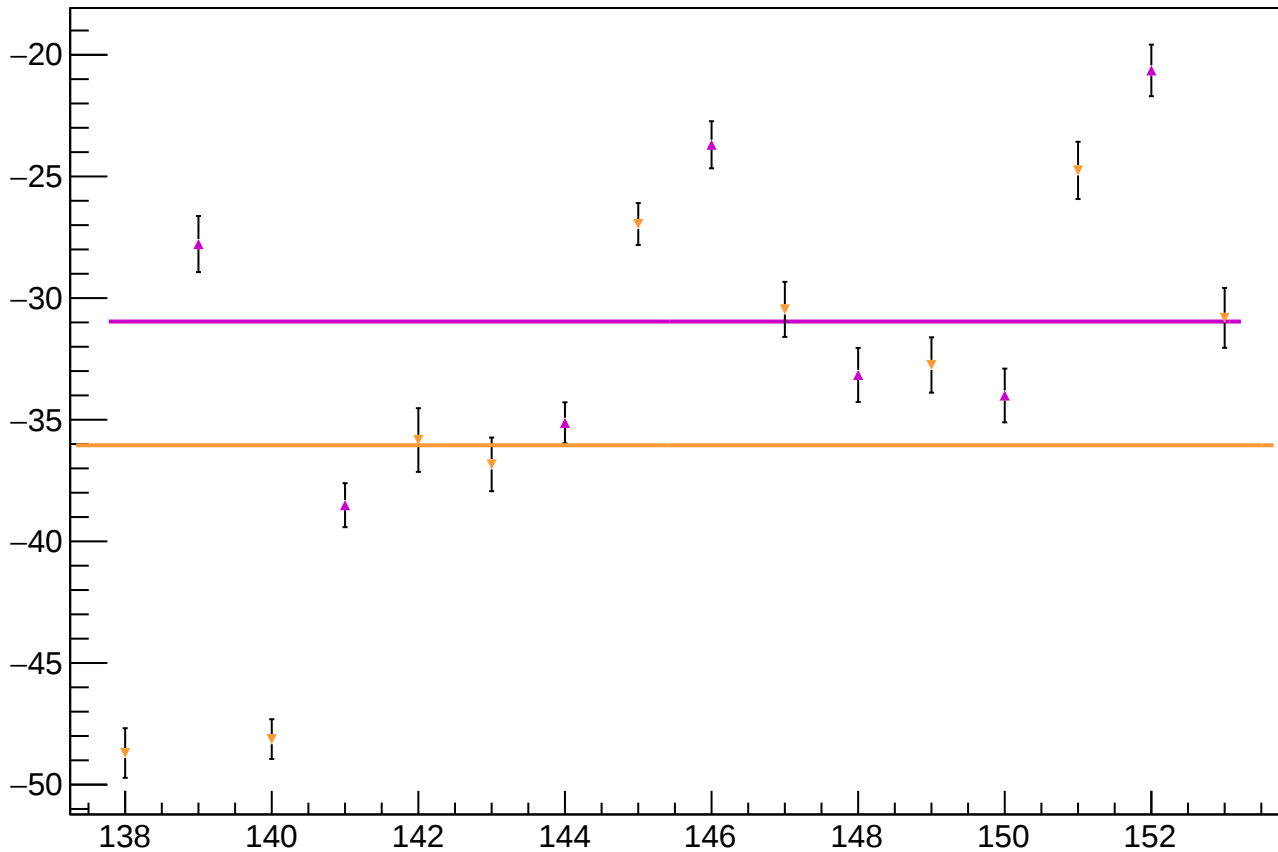
Right Out: 0.140 ± 0.009 χ^2/NDF : 3014.2/19

Left In: -0.080 ± 0.006 χ^2/NDF : 49.4/6

-0.019 ± 0.005 χ^2/NDF : 1672.8/25

-0.020 ± 0.005 χ^2/NDF : 3478.6/26

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: -36.050+/-0.350 χ^2/NDF : 628.2/8

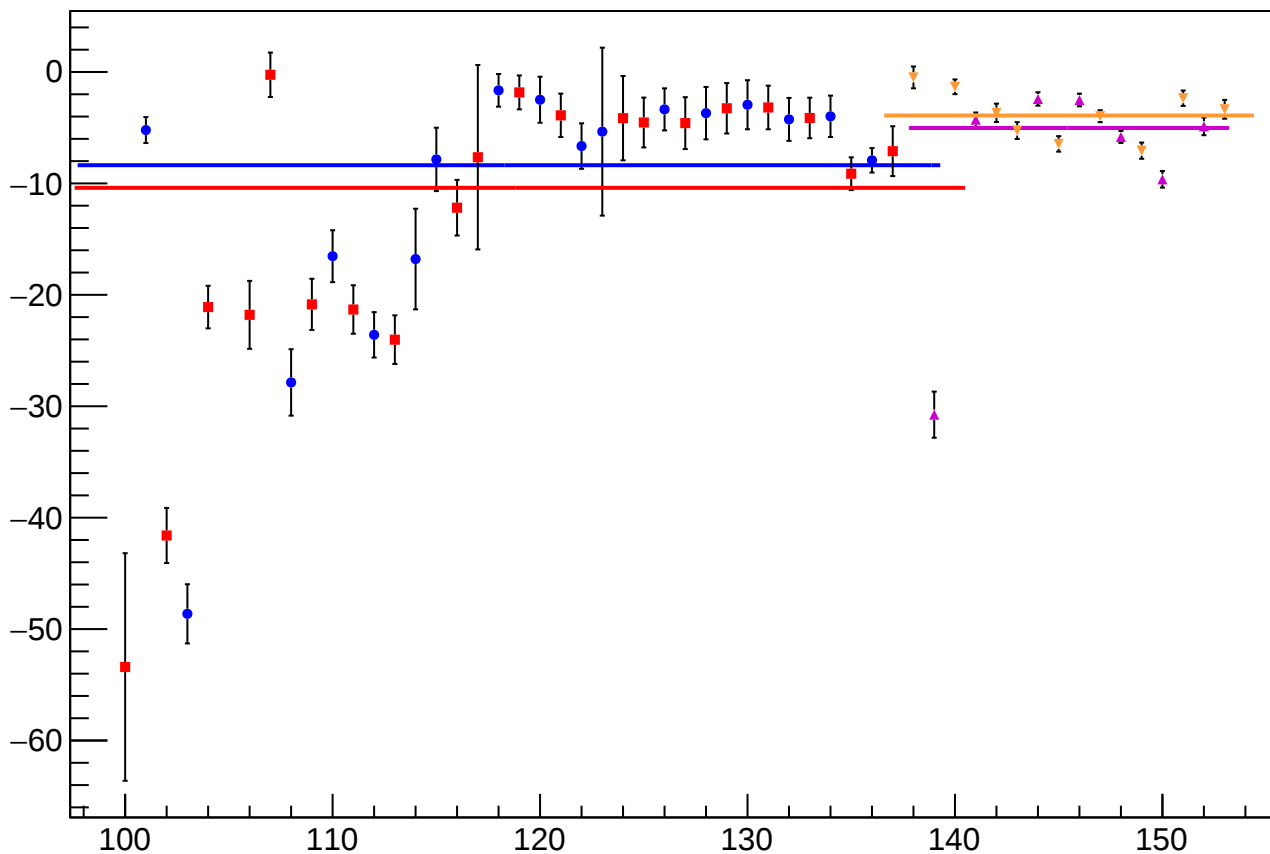
-36.050+/-0.350 χ^2/NDF : 628.2/8

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

-30.963+/-0.379 χ^2/NDF : 264.6/6

Left In: -30.963+/-0.379 χ^2/NDF : 264.6/6

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -8.367 ± 0.466 $\chi^2/\text{NDF}: 408.8/16$

Left Out: -3.904 ± 0.239 $\chi^2/\text{NDF}: 68.5/8$

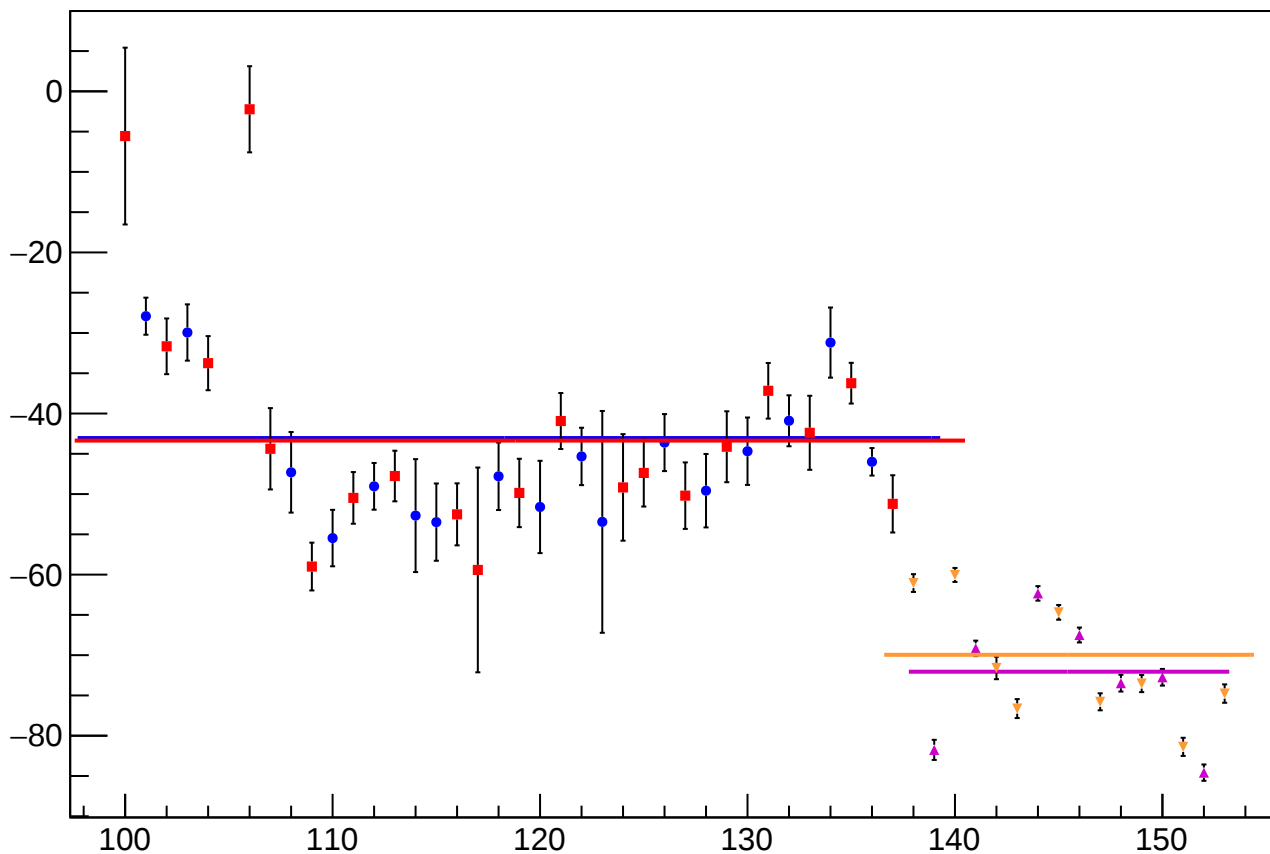
Right Out: -10.396 ± 0.490 $\chi^2/\text{NDF}: 430.4/19$

Left In: -5.026 ± 0.255 $\chi^2/\text{NDF}: 234.8/6$

-4.834 ± 0.213 $\chi^2/\text{NDF}: 549.8/25$

-6.170 ± 0.226 $\chi^2/\text{NDF}: 759.7/26$

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -43.047 ± 0.837 $\chi^2/\text{NDF}: 99.0/16$

Left Out: -69.955 ± 0.356 $\chi^2/\text{NDF}: 424.2/8$

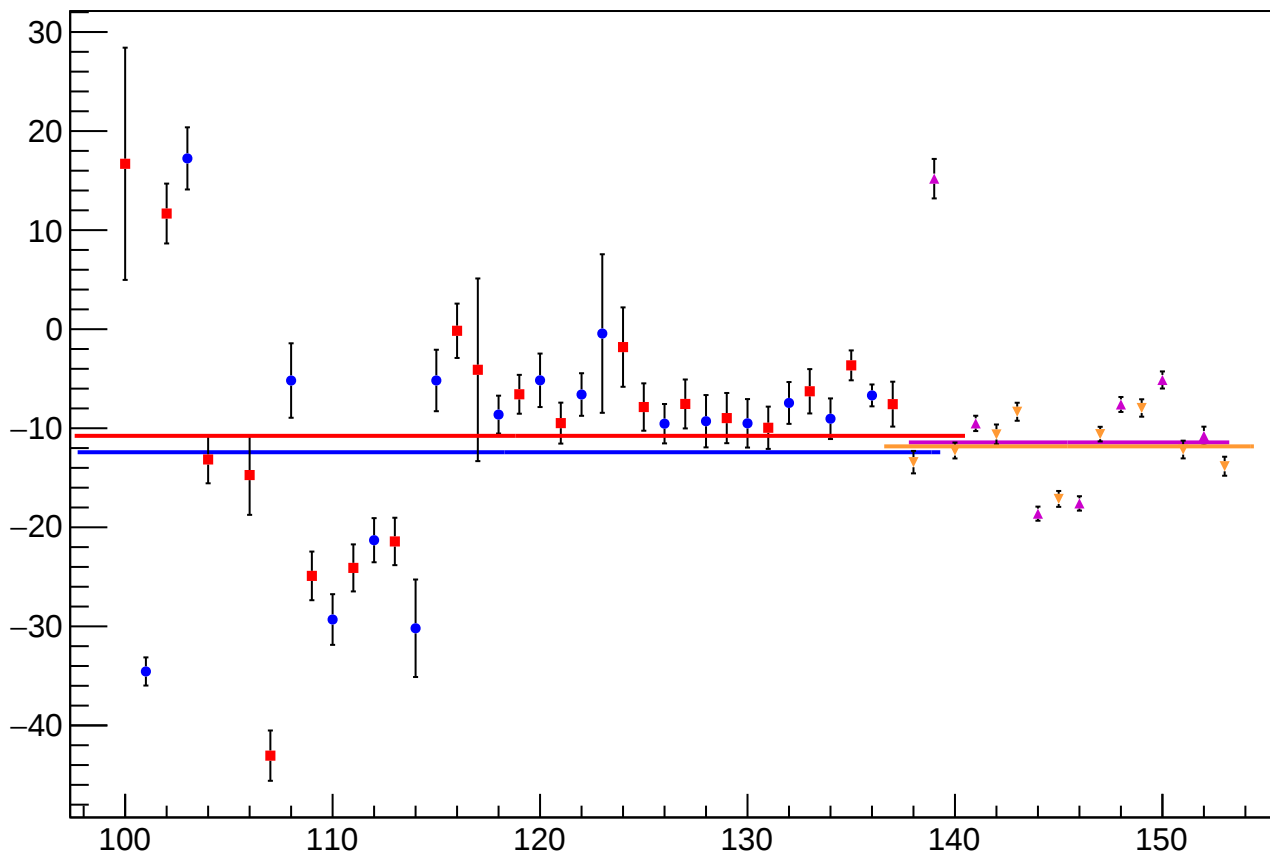
Right Out: -43.357 ± 0.865 $\chi^2/\text{NDF}: 156.0/19$

Left In: -72.054 ± 0.379 $\chi^2/\text{NDF}: 365.0/6$

-65.842 ± 0.327 $\chi^2/\text{NDF}: 1398.1/25$

-67.428 ± 0.347 $\chi^2/\text{NDF}: 1443.8/26$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -12.421 ± 0.523 $\chi^2/\text{NDF}: 474.4/16$

Left Out: -11.829 ± 0.294 $\chi^2/\text{NDF}: 88.9/8$

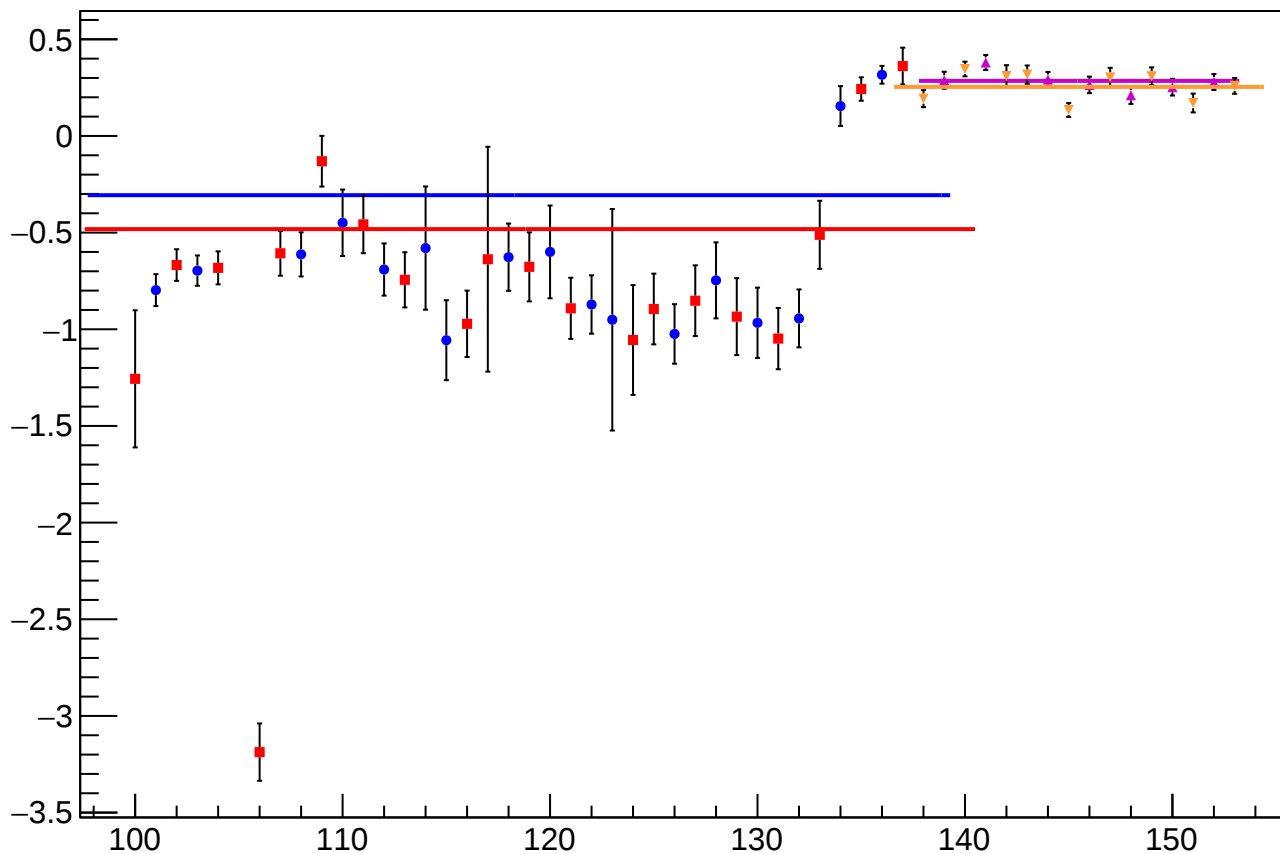
Right Out: -10.766 ± 0.553 $\chi^2/\text{NDF}: 366.3/19$

Left In: -11.431 ± 0.316 $\chi^2/\text{NDF}: 437.8/6$

-11.971 ± 0.256 $\chi^2/\text{NDF}: 564.2/25$

-11.267 ± 0.274 $\chi^2/\text{NDF}: 805.3/26$

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: 0.254 ± 0.015 χ^2/NDF : 27.1/8

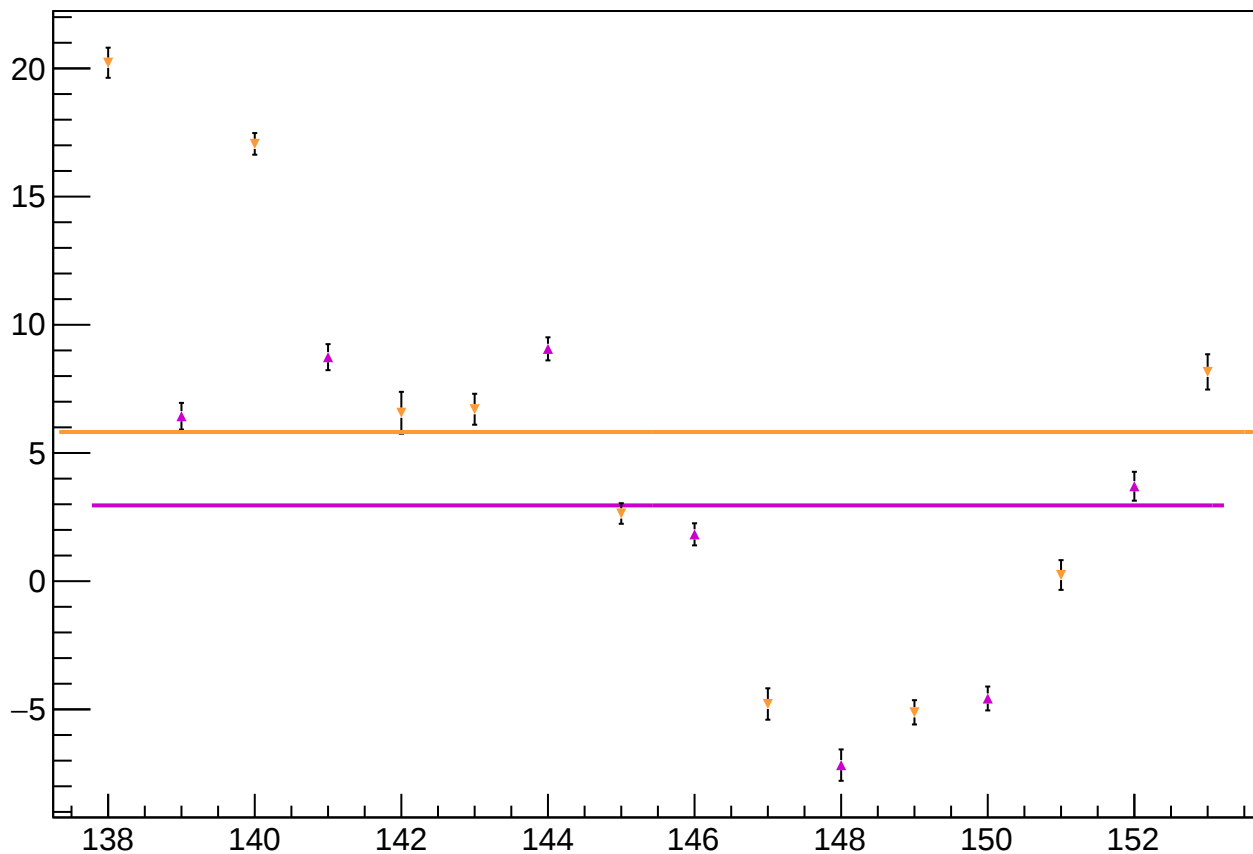
Right Out: -0.482 ± 0.029 χ^2/NDF : 628.3/19

Left In: 0.285 ± 0.016 χ^2/NDF : 9.6/6

0.130 ± 0.013 χ^2/NDF : 720.5/25

0.105 ± 0.014 χ^2/NDF : 1189.1/26

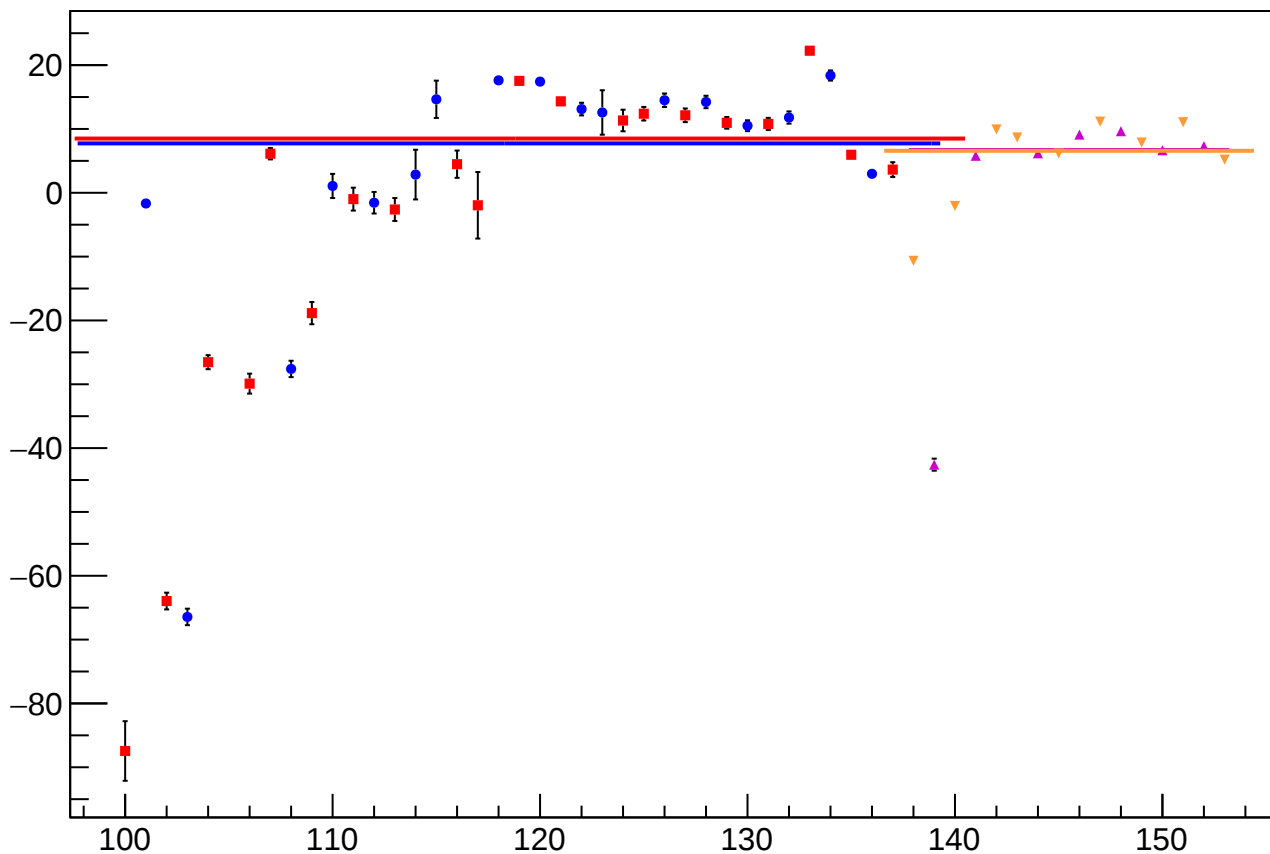
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.818 $\pm$ 0.179 χ^2 /NDF:2311.9/8
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 2.956 $\pm$ 0.188 χ^2 /NDF:902.4/6

5.818 $\pm$ 0.179 χ^2 /NDF: 2311.9/8
 2.956 $\pm$ 0.188 χ^2 /NDF: 902.4/6

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: 6.578 ± 0.124 χ^2/NDF : 1952.3/8

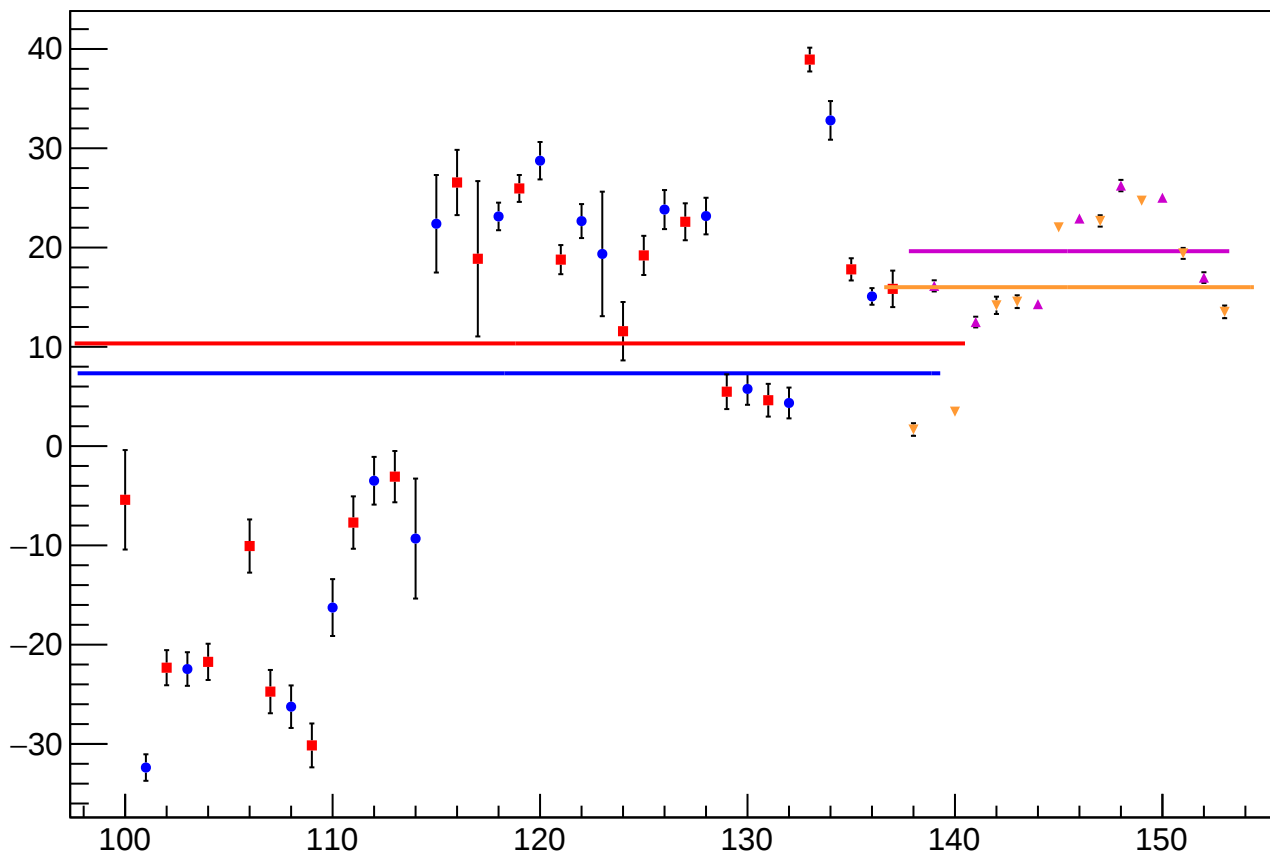
Right Out: 8.496 ± 0.213 χ^2/NDF : 6723.5/19

Left In: 6.696 ± 0.131 χ^2/NDF : 2903.7/6

6.862 ± 0.108 χ^2/NDF : 7274.2/25

7.193 ± 0.112 χ^2/NDF : 9678.9/26

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: 16.008+/-0.181 χ^2/NDF : 2070.4/8

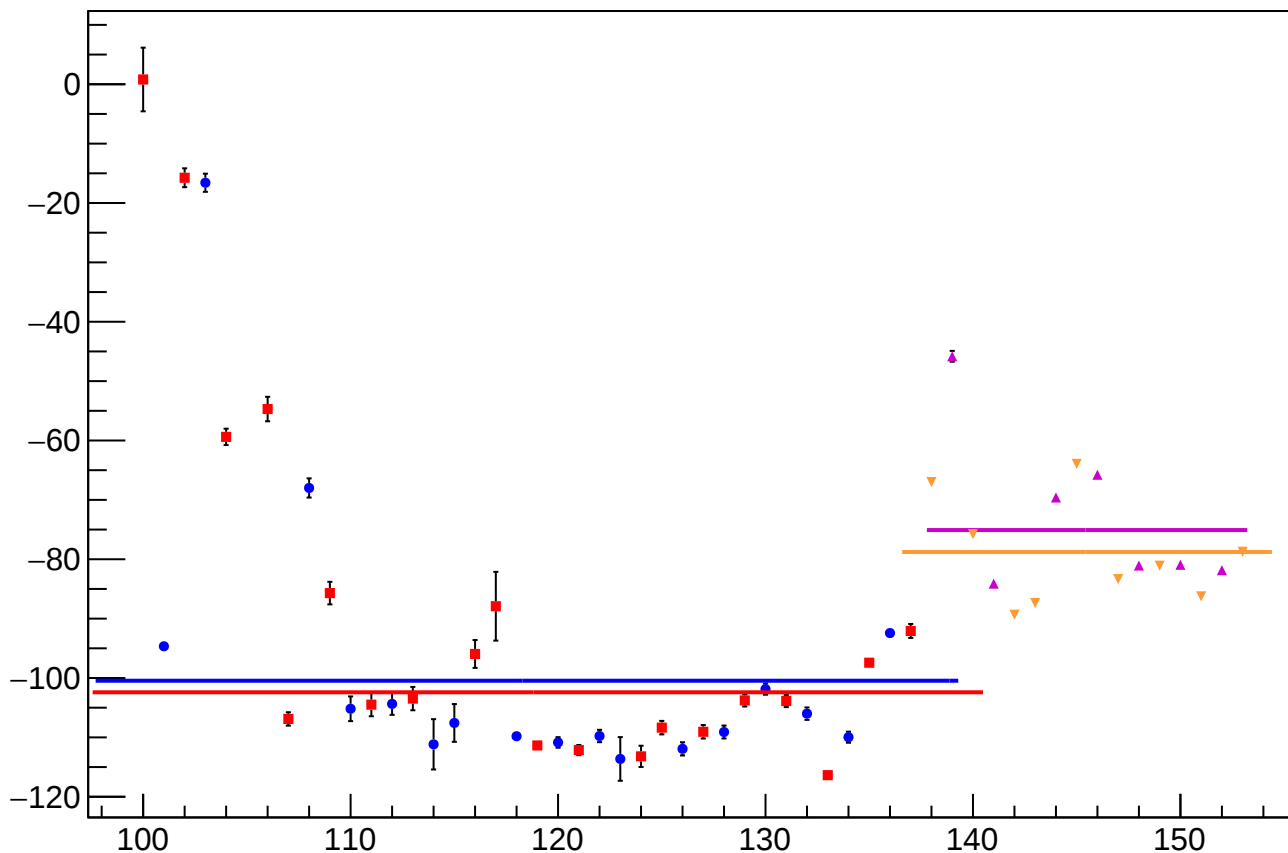
Right Out: 10.342+/-0.416 χ^2/NDF : 2282.7/19

Left In: 19.632+/-0.187 χ^2/NDF : 708.5/6

14.642+/-0.166 χ^2/NDF : 4725.4/25

18.066+/-0.171 χ^2/NDF : 3405.4/26

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -100.457+/-0.251 χ^2/NDF : 4461.1/16

Left Out: -78.773+/-0.152 χ^2/NDF : 2921.5/8

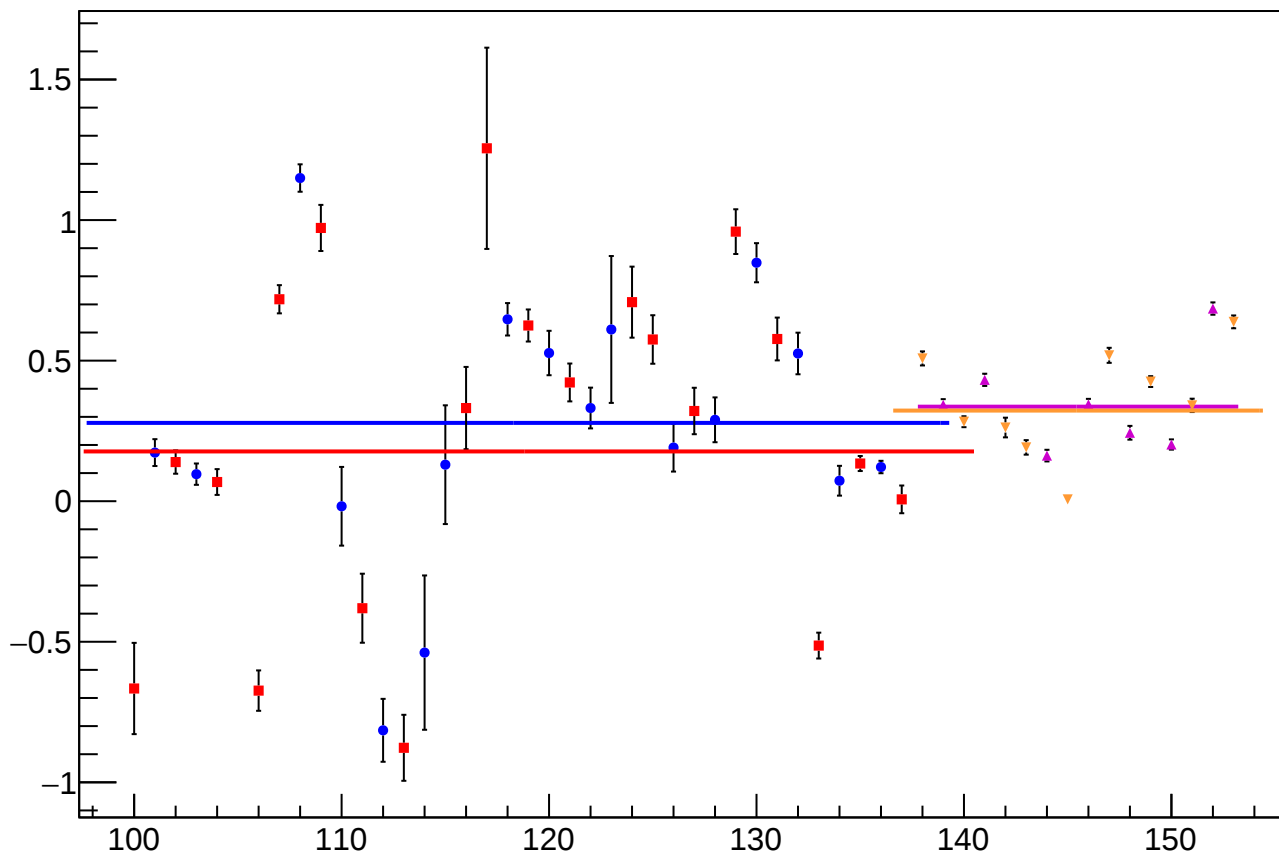
Right Out: -102.405+/-0.246 χ^2/NDF : 6100.6/19

Left In: -75.084+/-0.160 χ^2/NDF : 3046.8/6

-84.578+/-0.130 χ^2/NDF : 12859.1/25

-83.216+/-0.134 χ^2/NDF : 17807.8/26

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: 0.322+/-0.007 χ^2/NDF : 721.4/8

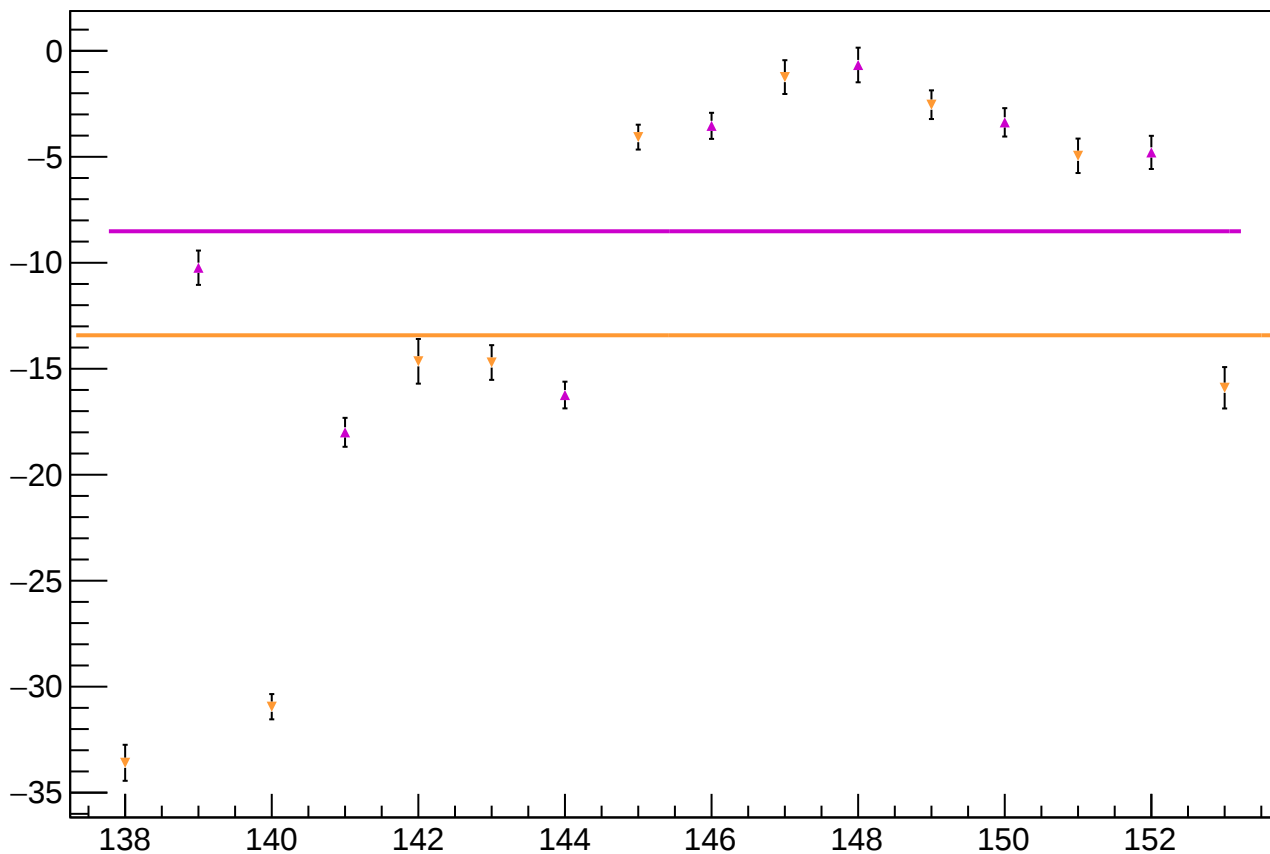
Right Out: 0.177+/-0.013 χ^2/NDF : 976.8/19

Left In: 0.336+/-0.008 χ^2/NDF : 411.7/6

0.312+/-0.007 χ^2/NDF : 1383.4/25

0.296+/-0.007 χ^2/NDF : 1493.0/26

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



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

Left Out: -13.421+/-0.251 χ^2/NDF : 2293.2/8

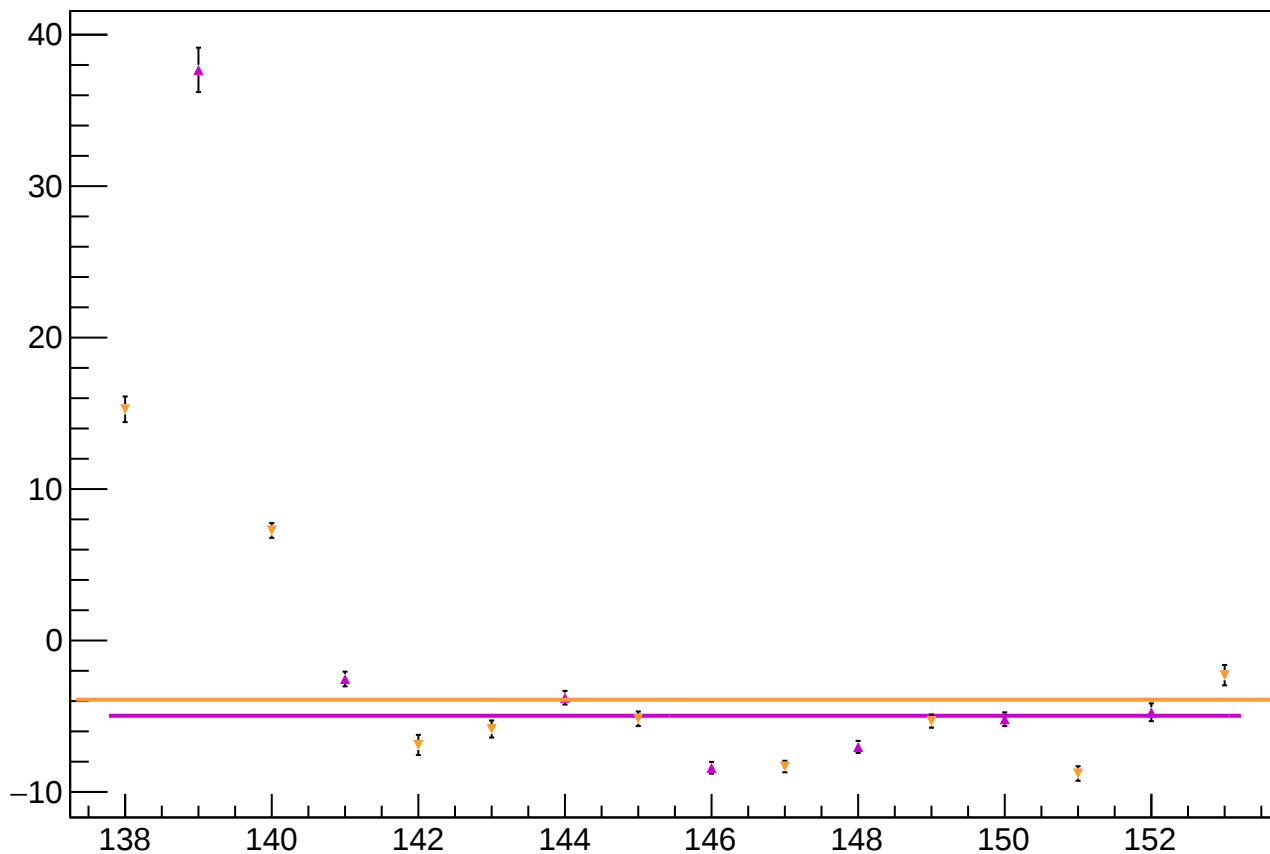
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -8.513+/-0.266 χ^2/NDF : 586.8/6

-13.421+/-0.251 χ^2/NDF : 2293.2/8

-8.513+/-0.266 χ^2/NDF : 586.8/6

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



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

Left Out: -3.905+/-0.172 χ^2/NDF :1326.1/8

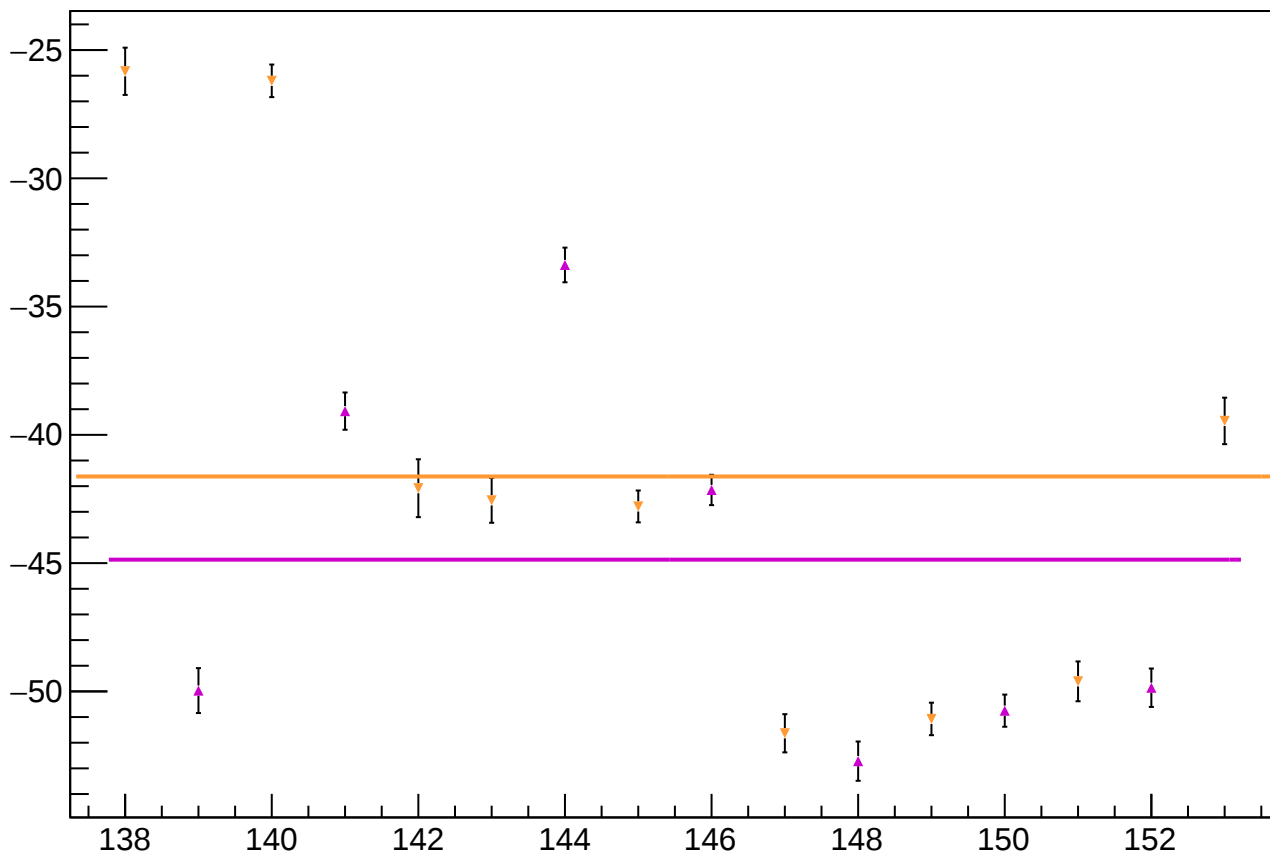
-3.905+/-0.172 χ^2/NDF : 1326.1/8

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

Left In: -4.966+/-0.182 χ^2/NDF :981.7/6

-4.966+/-0.182 χ^2/NDF : 981.7/6

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -41.622+/-0.254 χ^2/NDF :1404.4/8

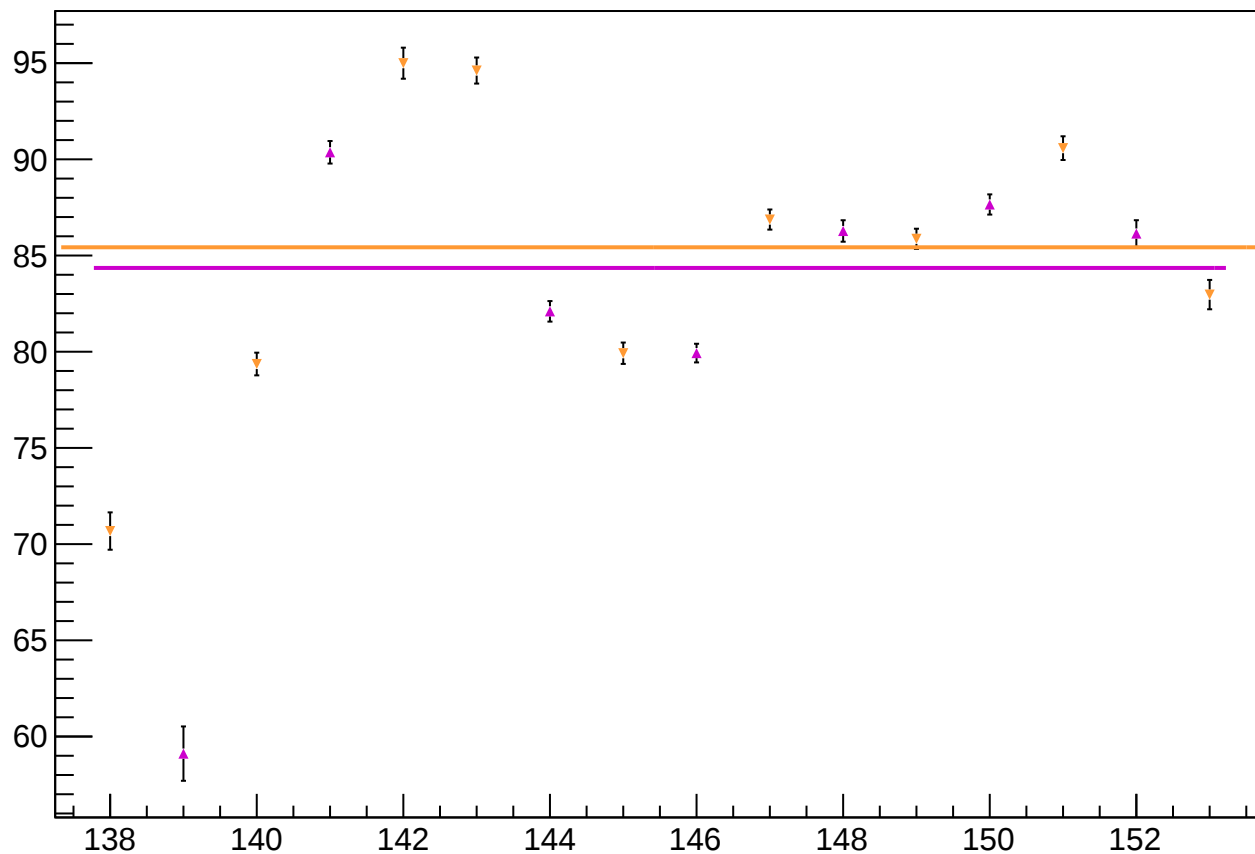
-41.622+/-0.254 χ^2/NDF : 1404.4/8

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

Left In: -44.865+/-0.265 χ^2/NDF :645.9/6

-44.865+/-0.265 χ^2/NDF : 645.9/6

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



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

Left Out: 85.428+/-0.211 χ^2/NDF : 848.1/8

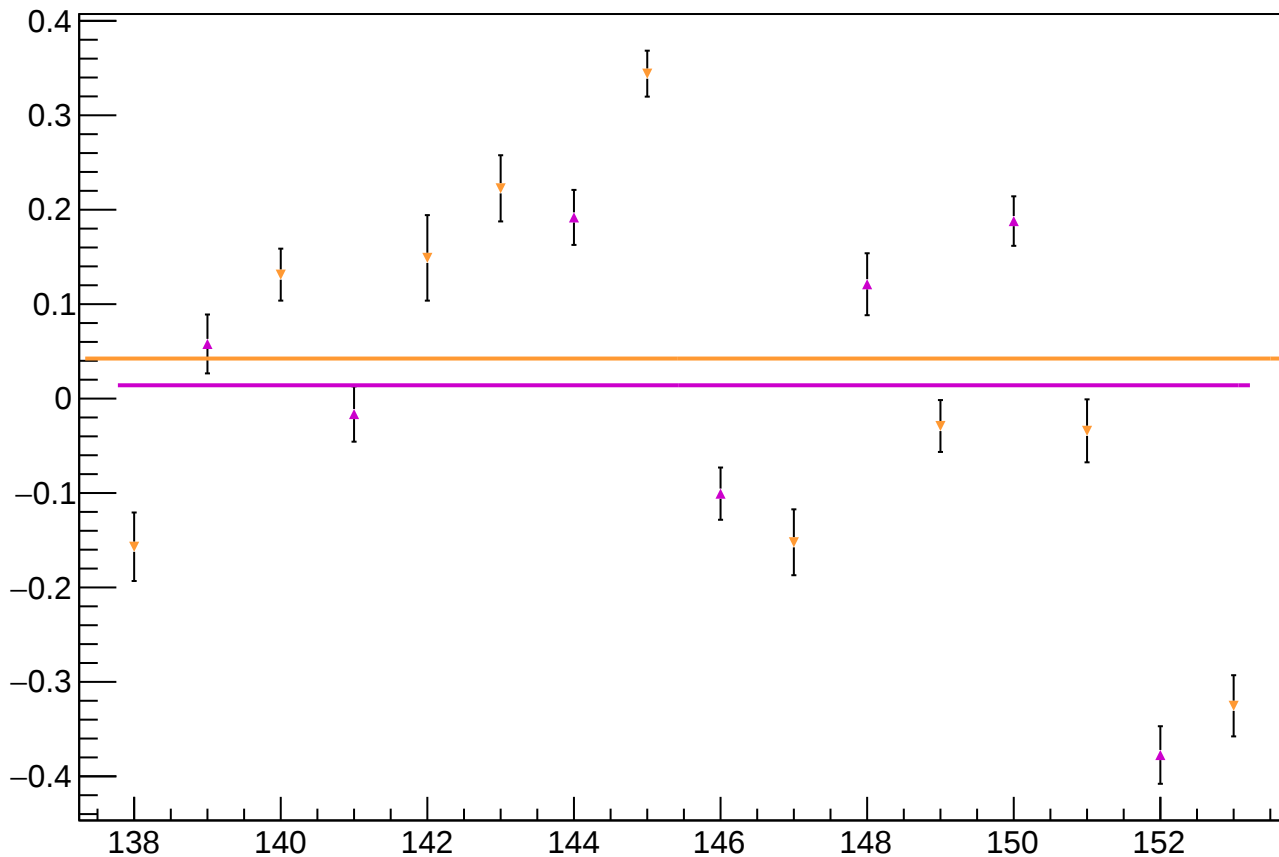
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 84.355+/-0.223 χ^2/NDF : 583.8/6

85.428+/-0.211 χ^2/NDF : 848.1/8

84.355+/-0.223 χ^2/NDF : 583.8/6

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



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

Left Out: 0.042 $\pm$ 0.011 χ^2 /NDF: 398.2/8

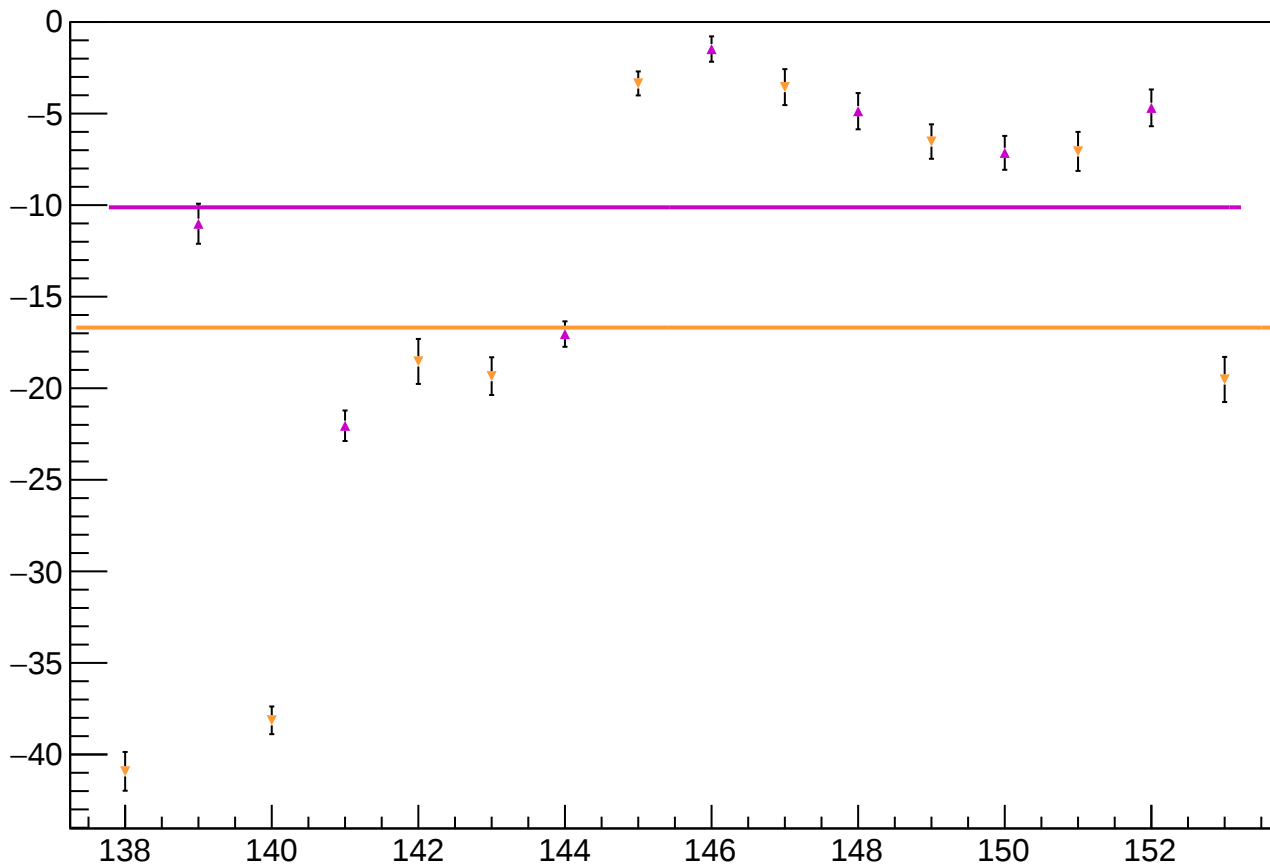
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.014 $\pm$ 0.011 χ^2 /NDF: 277.2/6

0.042 $\pm$ 0.011 χ^2 /NDF: 398.2/8

0.014 $\pm$ 0.011 χ^2 /NDF: 277.2/6

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



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

Left Out: -16.687+/-0.312 χ^2/NDF : 2132.8/8

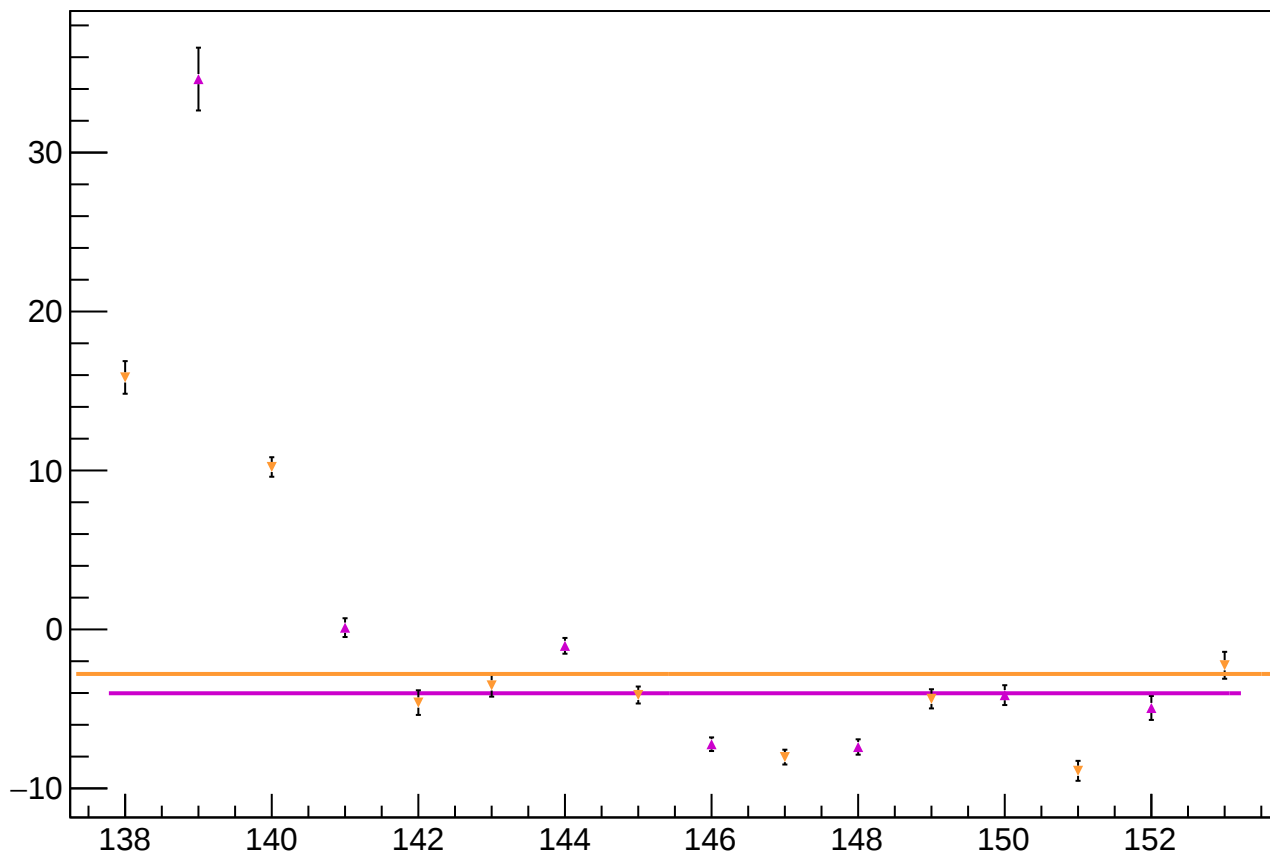
-16.687+/-0.312 χ^2/NDF : 2132.8/8

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

Left In: -10.119+/-0.323 χ^2/NDF : 528.4/6

-10.119+/-0.323 χ^2/NDF : 528.4/6

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



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

Left Out: -2.801+/-0.213 χ^2/NDF : 1018.7/8

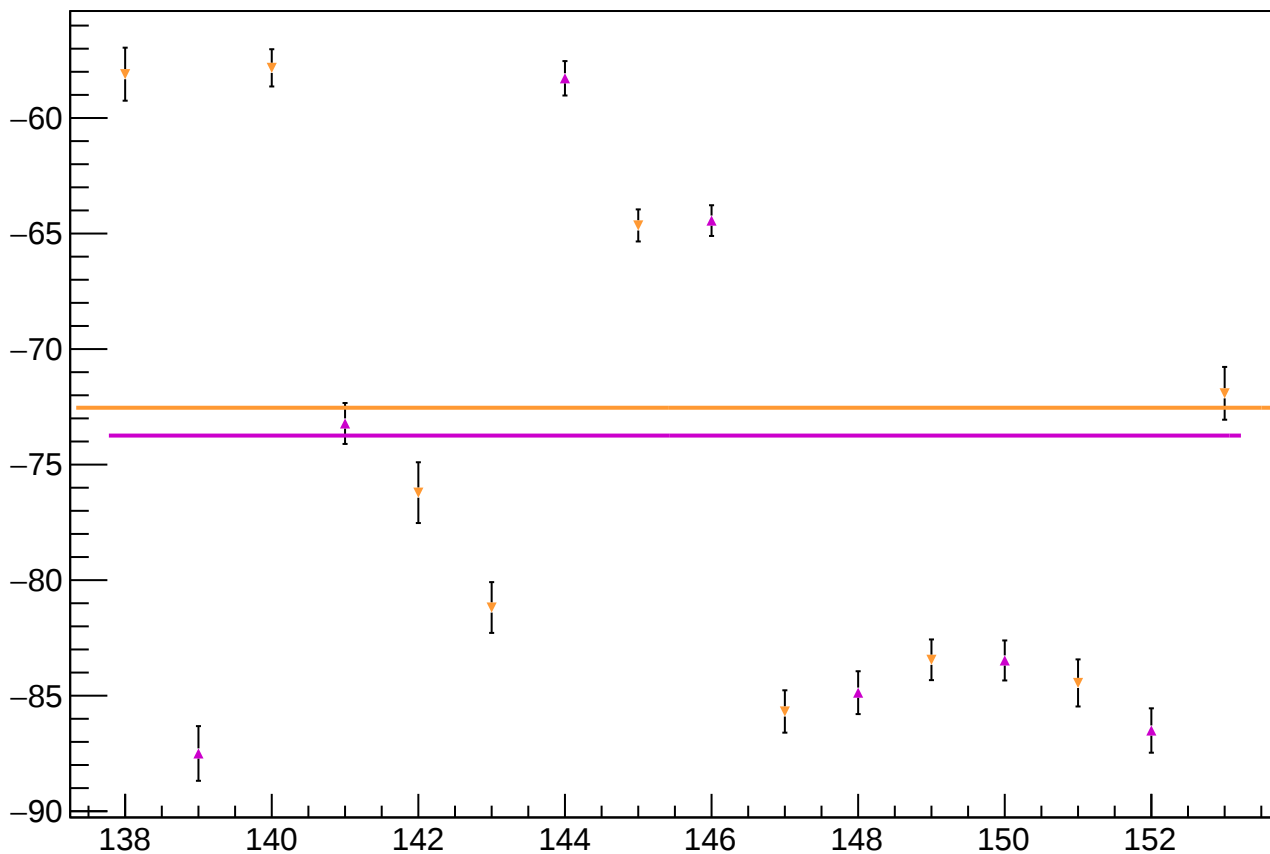
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -4.016+/-0.217 χ^2/NDF : 574.0/6

-2.801+/-0.213 χ^2/NDF : 1018.7/8

-4.016+/-0.217 χ^2/NDF : 574.0/6

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -72.539+/-0.316 χ^2/NDF :1186.3/8

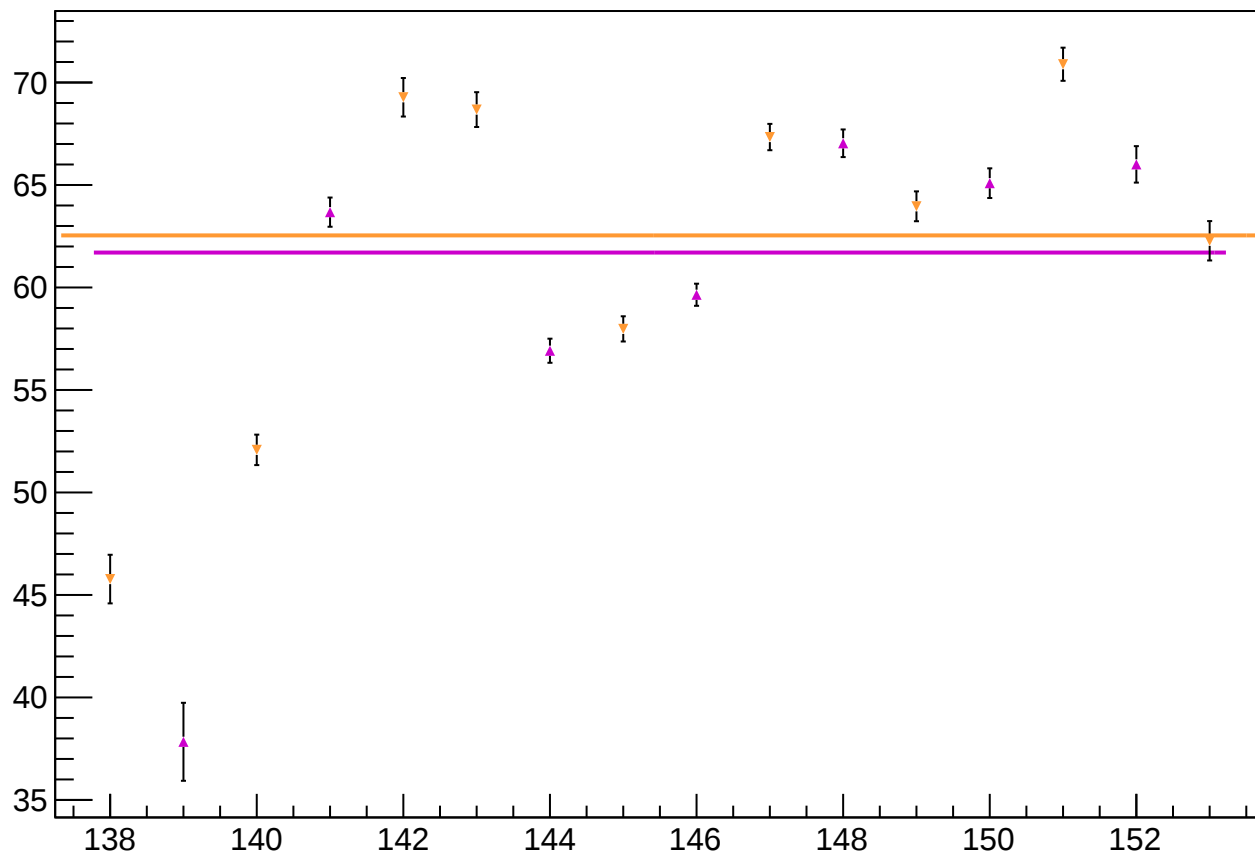
-72.539+/-0.316 χ^2/NDF : 1186.3/8

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

Left In: -73.743+/-0.322 χ^2/NDF :1208.8/6

-73.743+/-0.322 χ^2/NDF : 1208.8/6

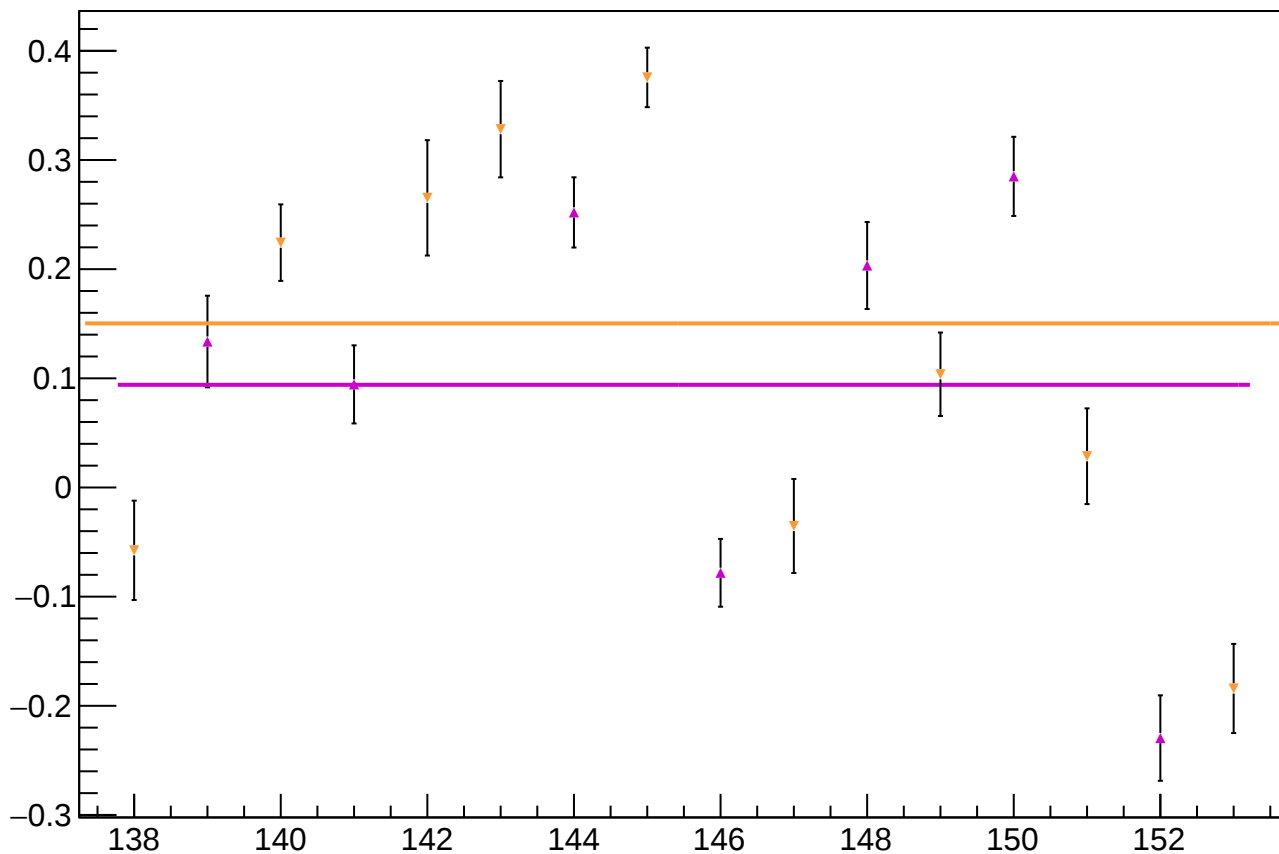
reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 62.541 $\pm$ 0.262 χ^2 /NDF: 723.2/8
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 61.704 $\pm$ 0.268 χ^2 /NDF: 353.8/6

62.541 $\pm$ 0.262 χ^2 /NDF: 723.2/8
 61.704 $\pm$ 0.268 χ^2 /NDF: 353.8/6

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug

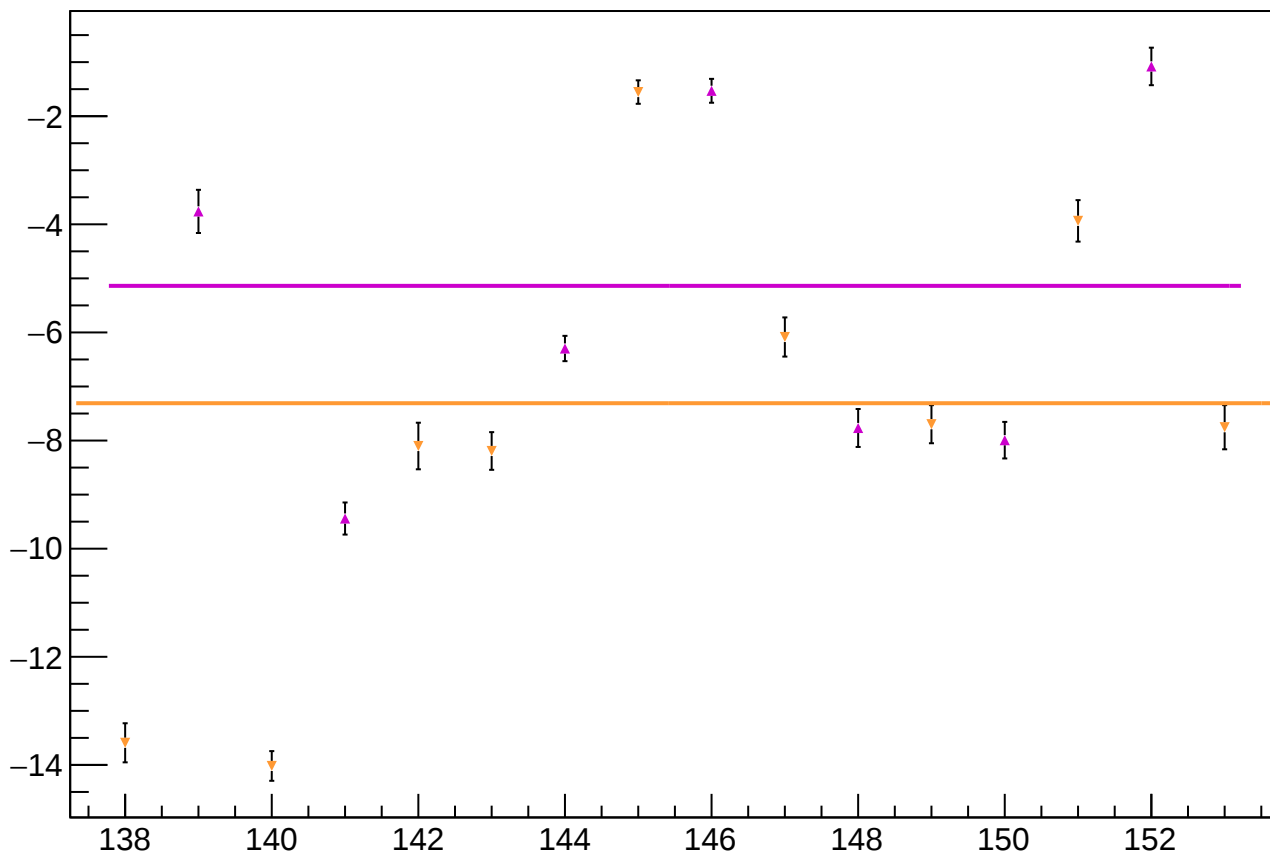


Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.150 $\pm$ 0.013 χ^2 /NDF:209.5/8
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.094 $\pm$ 0.014 χ^2 /NDF:159.3/6

0.150 $\pm$ 0.013 χ^2 /NDF: 209.5/8

0.094 $\pm$ 0.014 χ^2 /NDF: 159.3/6

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



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

Left Out: -7.309+/-0.109 χ^2/NDF : 1703.2/8

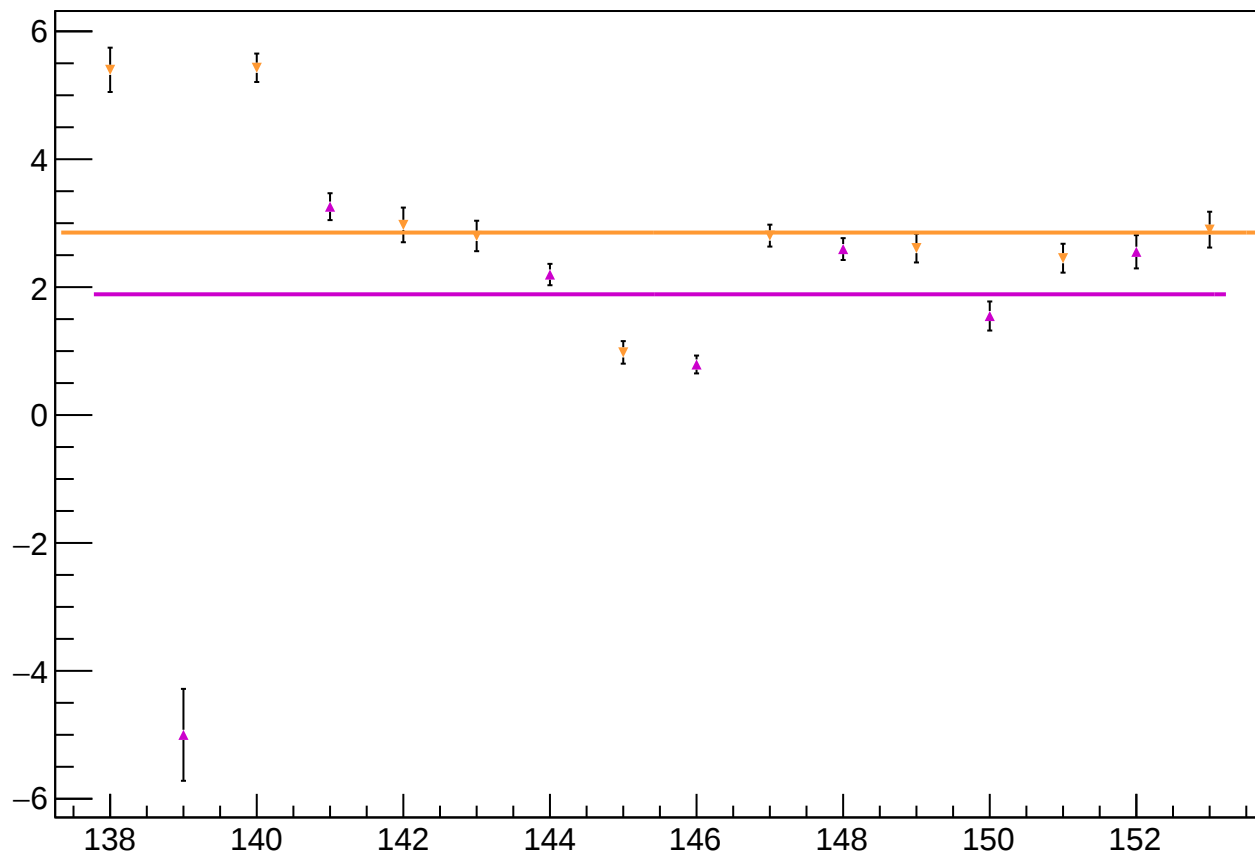
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -5.138+/-0.111 χ^2/NDF : 777.5/6

-7.309+/-0.109 χ^2/NDF : 1703.2/8

-5.138+/-0.111 χ^2/NDF : 777.5/6

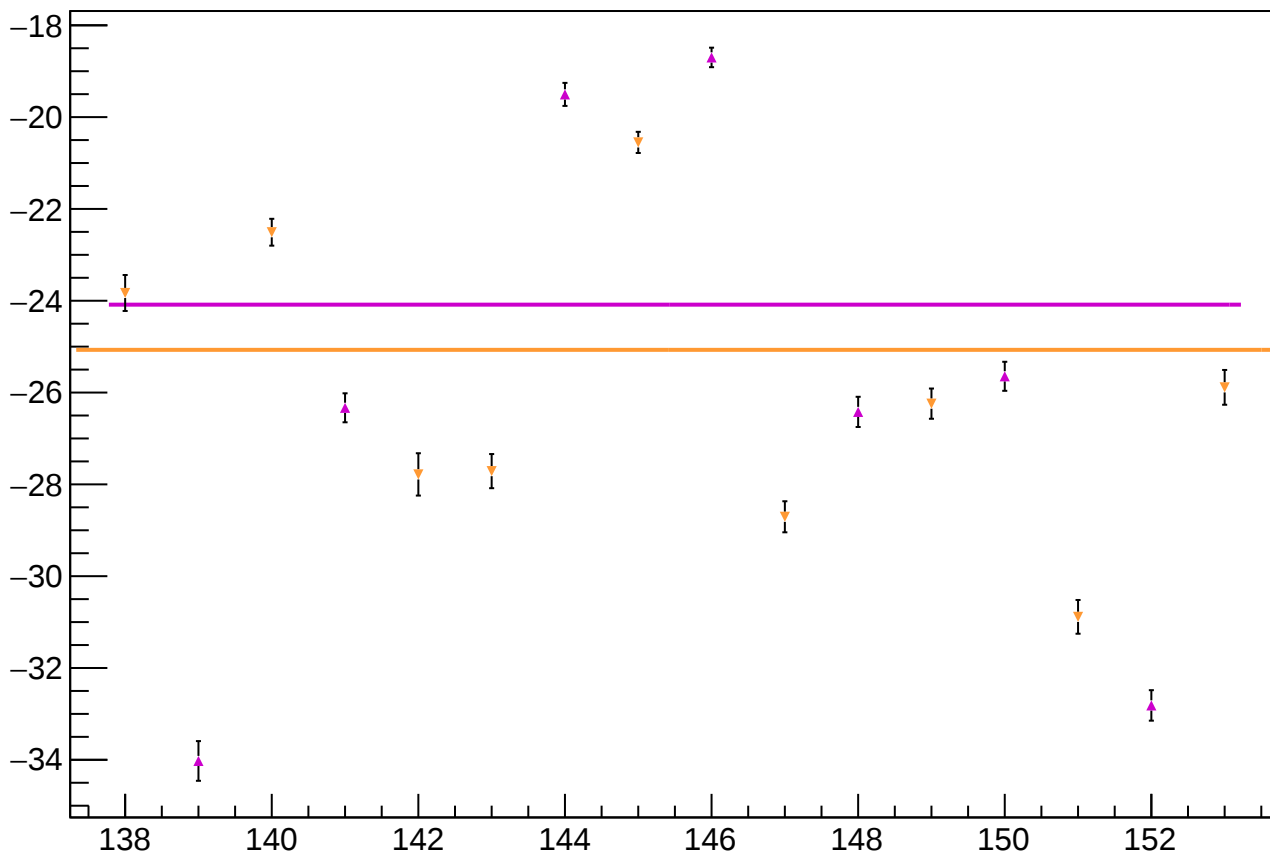
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 2.853+/-0.075 χ^2/NDF :305.8/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 1.888+/-0.074 χ^2/NDF :225.6/6

2.853+/-0.075 χ^2/NDF : 305.8/8
 1.888+/-0.074 χ^2/NDF : 225.6/6

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -25.070+/-0.111 χ^2/NDF : 939.9/8

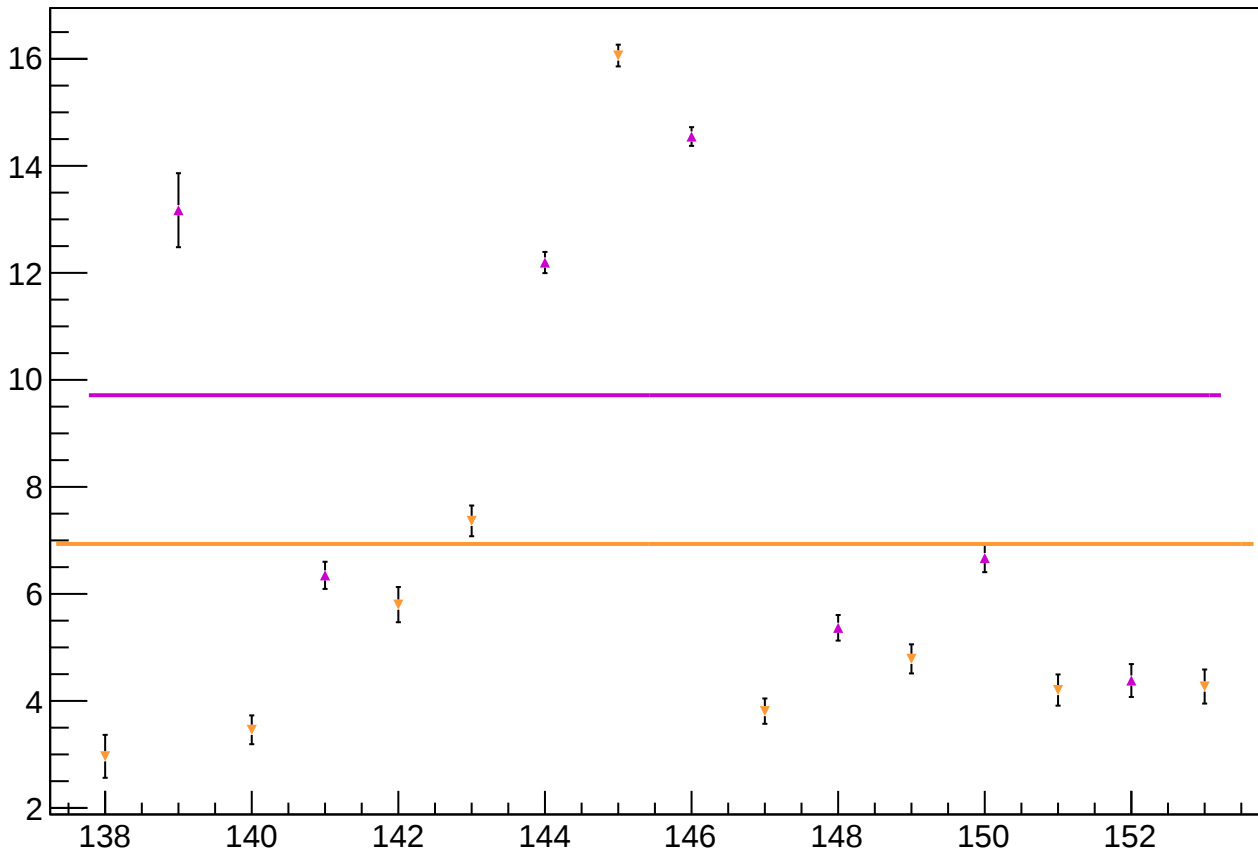
-25.070+/-0.111 χ^2/NDF : 939.9/8

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

-24.085+/-0.111 χ^2/NDF : 2320.5/6

Left In: -24.085+/-0.111 χ^2/NDF : 2320.5/6

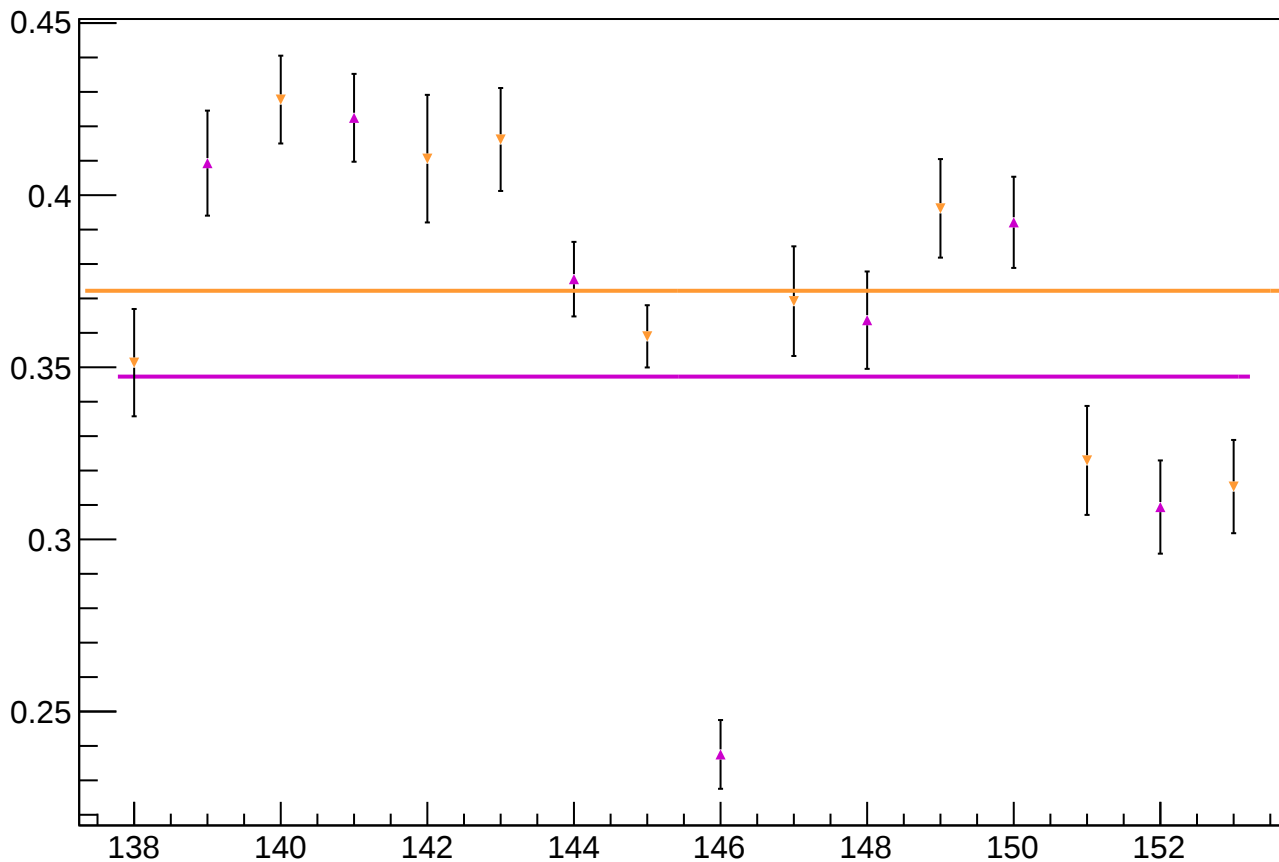
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 6.934+/-0.092 χ^2/NDF :2690.8/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 9.713+/-0.092 χ^2/NDF :1887.2/6

6.934+/-0.092 χ^2/NDF : 2690.8/8
 9.713+/-0.092 χ^2/NDF : 1887.2/6

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: 0.372 $\pm$ 0.005 χ^2 /NDF:66.0/8

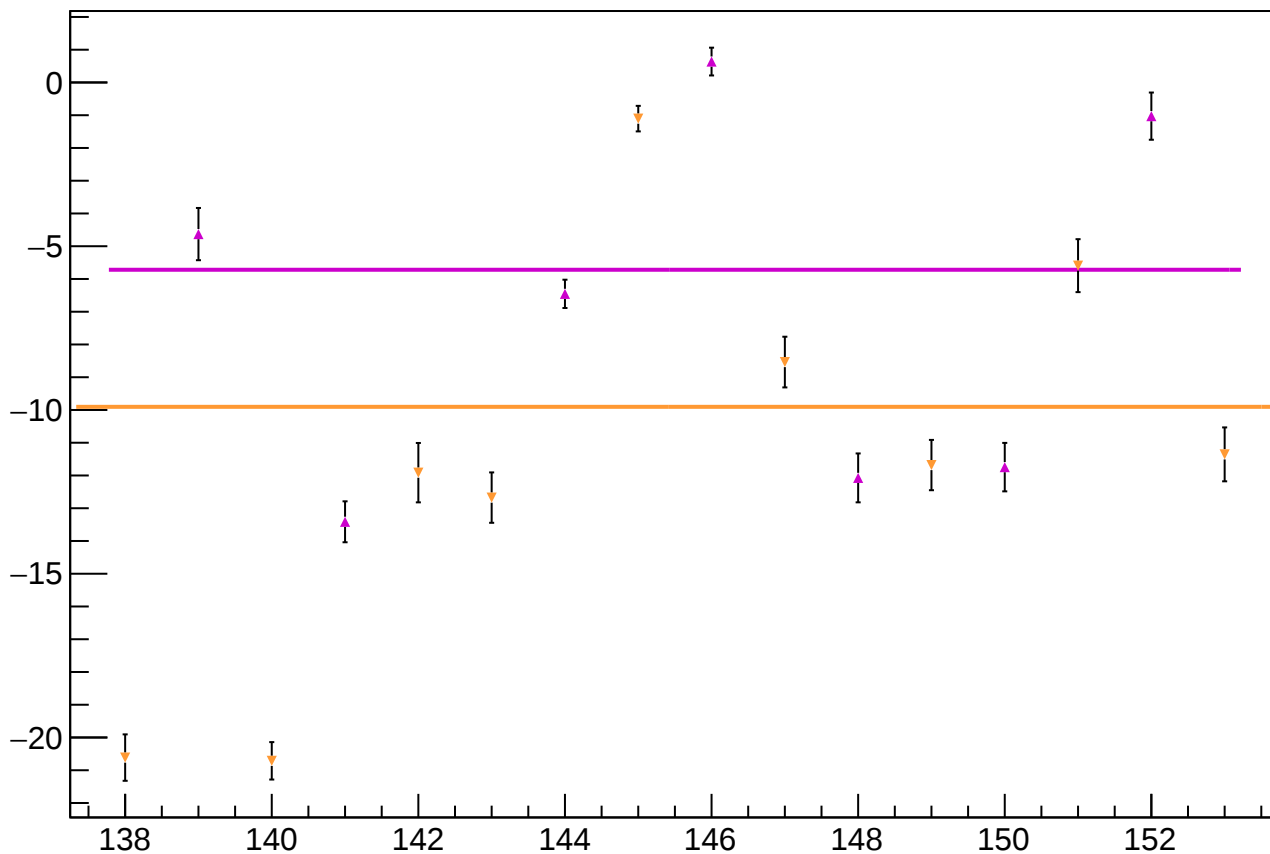
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.347 $\pm$ 0.005 χ^2 /NDF:199.4/6

0.372 $\pm$ 0.005 χ^2 /NDF: 66.0/8

0.347 $\pm$ 0.005 χ^2 /NDF: 199.4/6

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



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

Left Out: -9.904+/-0.219 χ^2/NDF : 1153.0/8

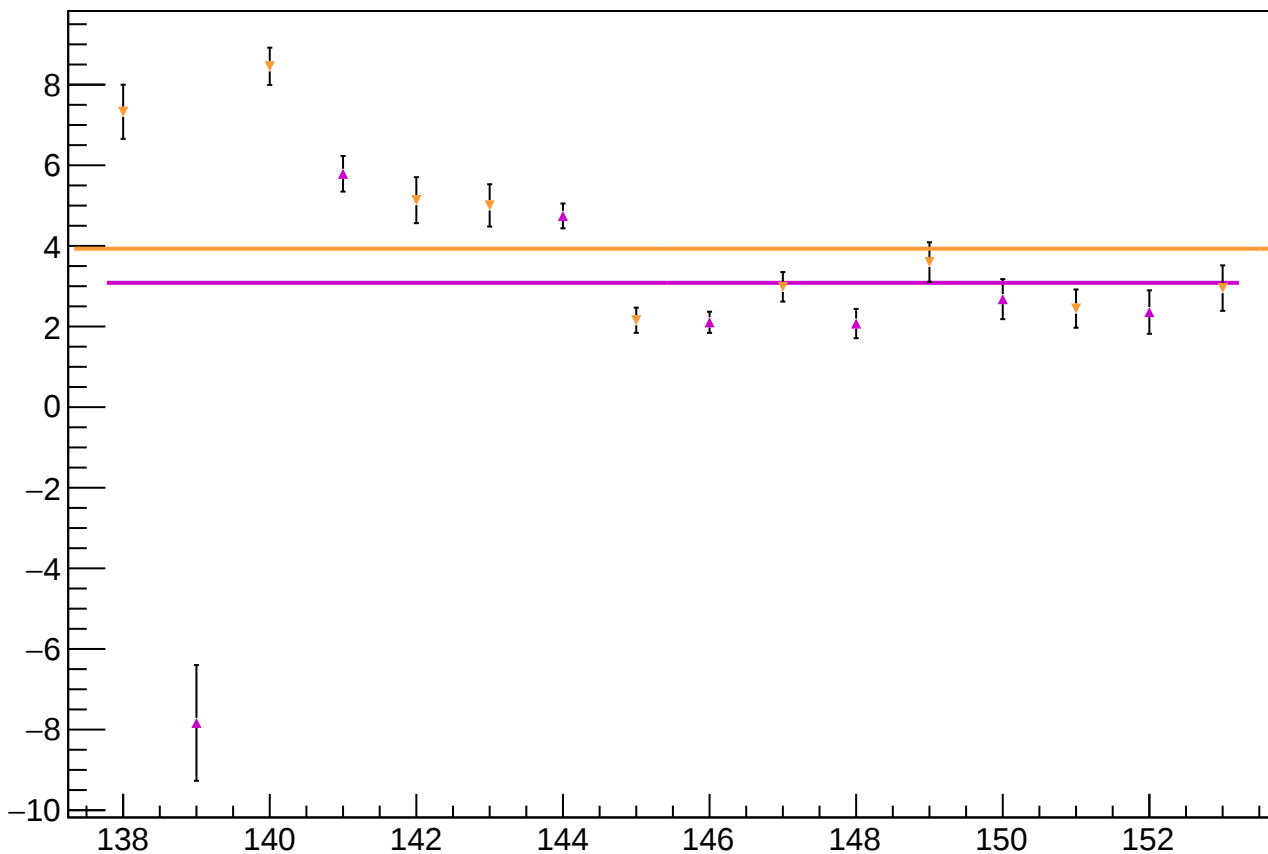
-9.904+/-0.219 χ^2/NDF : 1153.0/8

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

-5.719+/-0.220 χ^2/NDF : 562.1/6

Left In: -5.719+/-0.220 χ^2/NDF : 562.1/6

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



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

Left Out: 3.930 $\pm$ 0.152 χ^2 /NDF:182.3/8

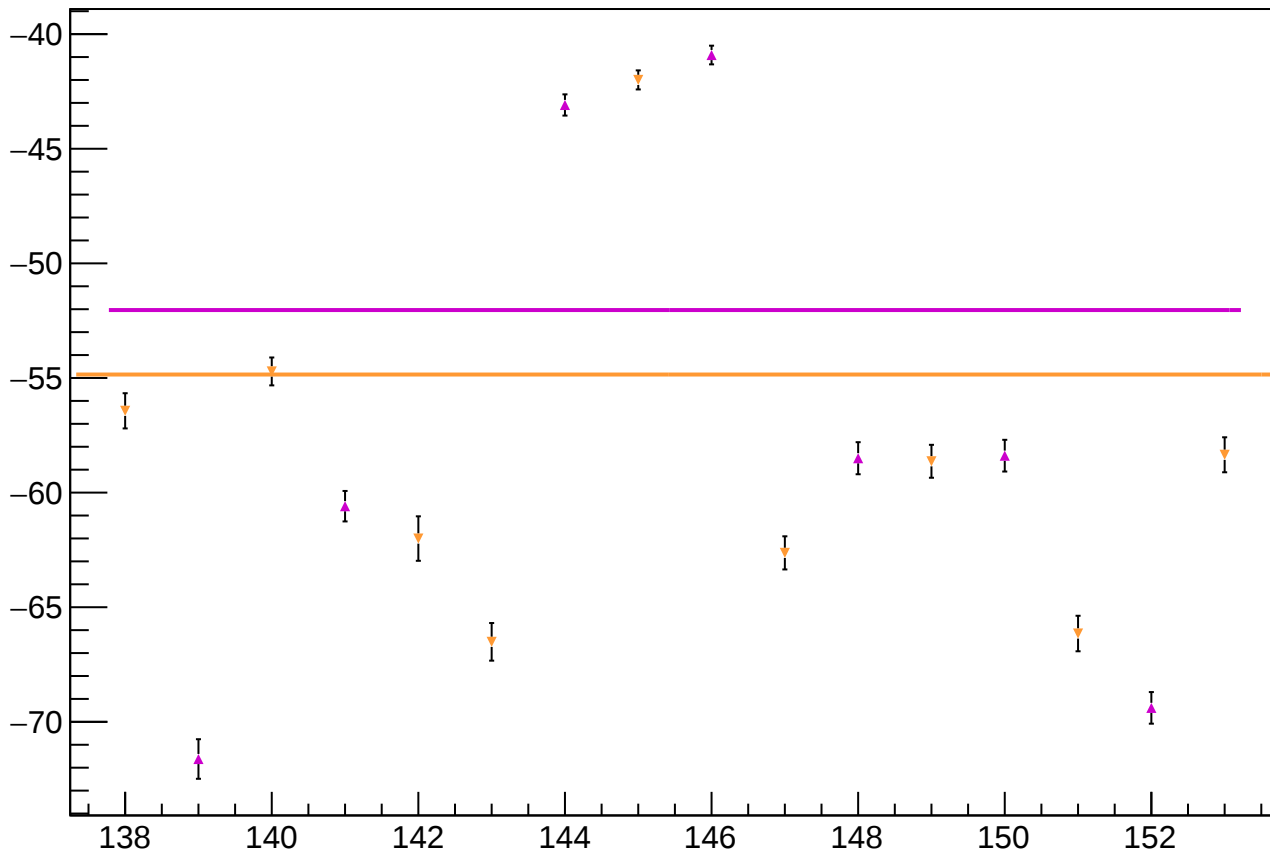
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 3.084 $\pm$ 0.148 χ^2 /NDF:148.6/6

3.930 $\pm$ 0.152 χ^2 /NDF: 182.3/8

3.084 $\pm$ 0.148 χ^2 /NDF: 148.6/6

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -54.849+/-0.224 χ^2/NDF :1592.8/8

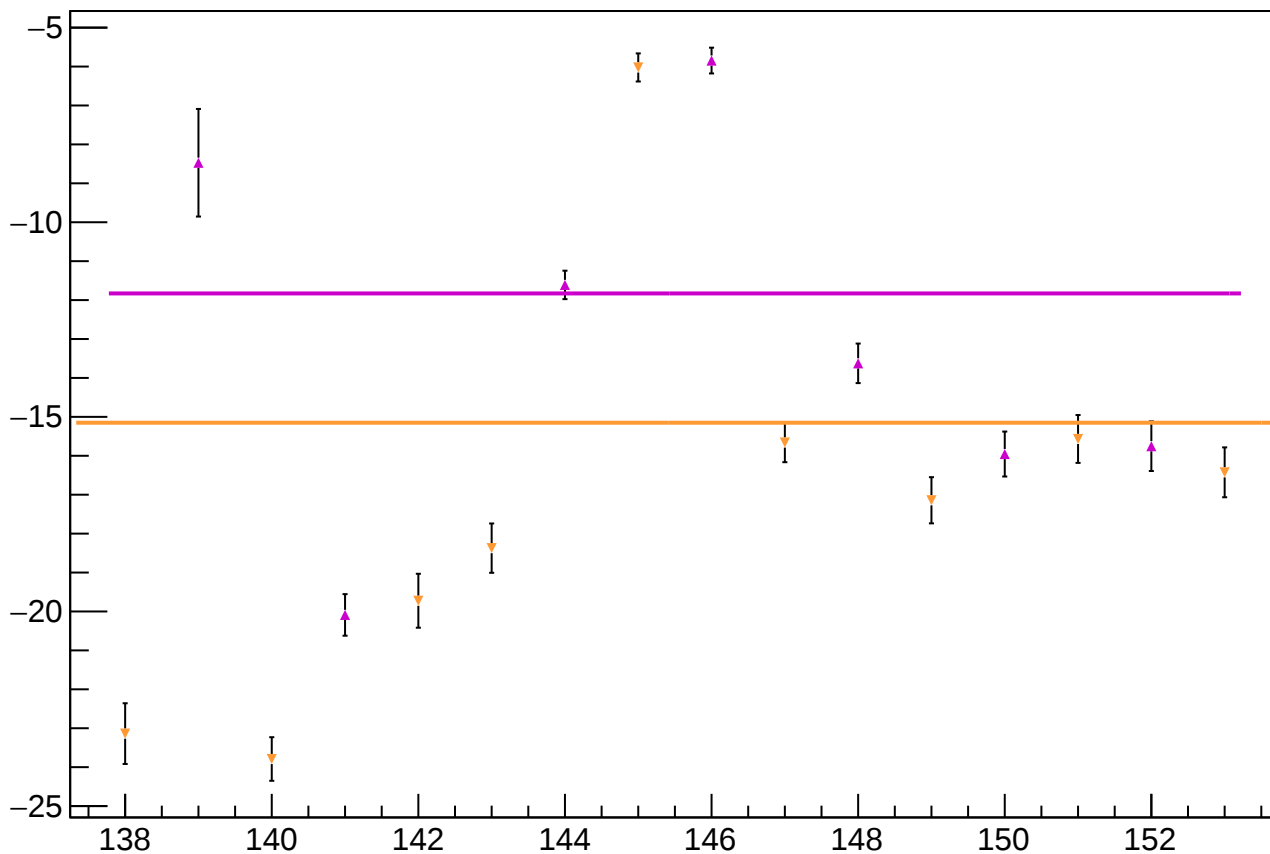
-54.849+/-0.224 χ^2/NDF : 1592.8/8

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

Left In: -52.036+/-0.221 χ^2/NDF :2600.7/6

-52.036+/-0.221 χ^2/NDF : 2600.7/6

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



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

Left Out: -15.151+/-0.186 χ^2/NDF : 1068.9/8

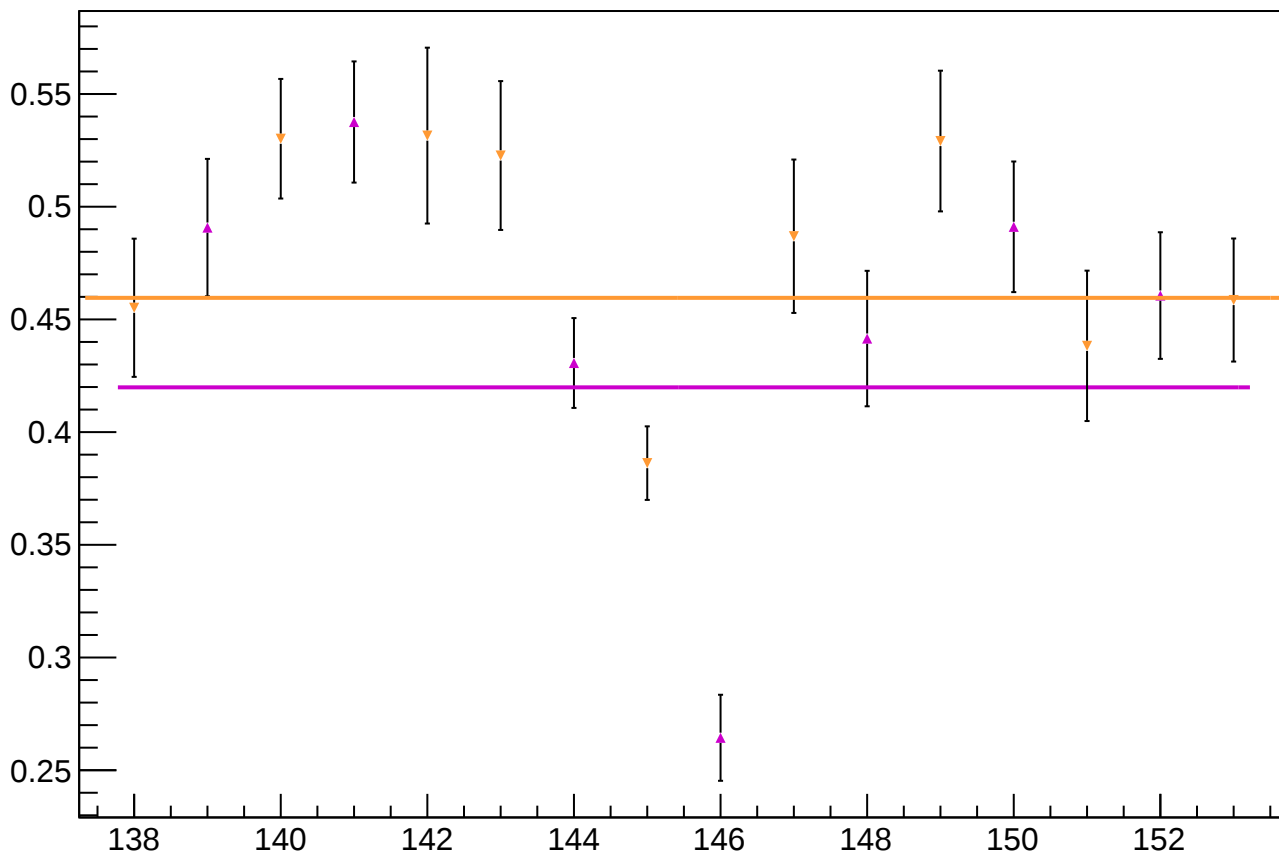
-15.151+/-0.186 χ^2/NDF : 1068.9/8

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

Left In: -11.829+/-0.183 χ^2/NDF : 673.4/6

-11.829+/-0.183 χ^2/NDF : 673.4/6

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



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

Left Out: 0.460 $\pm$ 0.009 χ^2 /NDF: 40.4/8

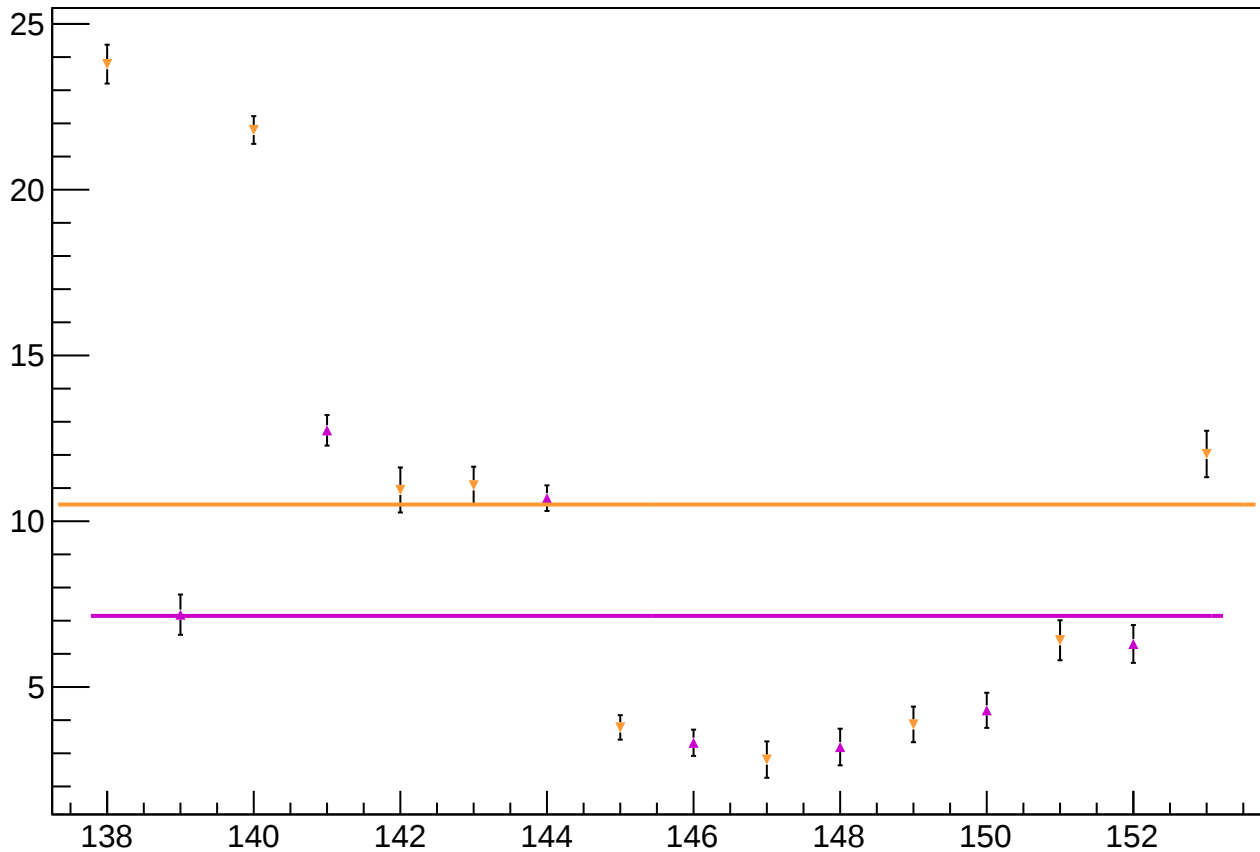
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.420 $\pm$ 0.009 χ^2 /NDF: 99.9/6

0.460 $\pm$ 0.009 χ^2 /NDF: 40.4/8

0.420 $\pm$ 0.009 χ^2 /NDF: 99.9/6

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: 10.504+/-0.174 χ^2/NDF :1974.4/8

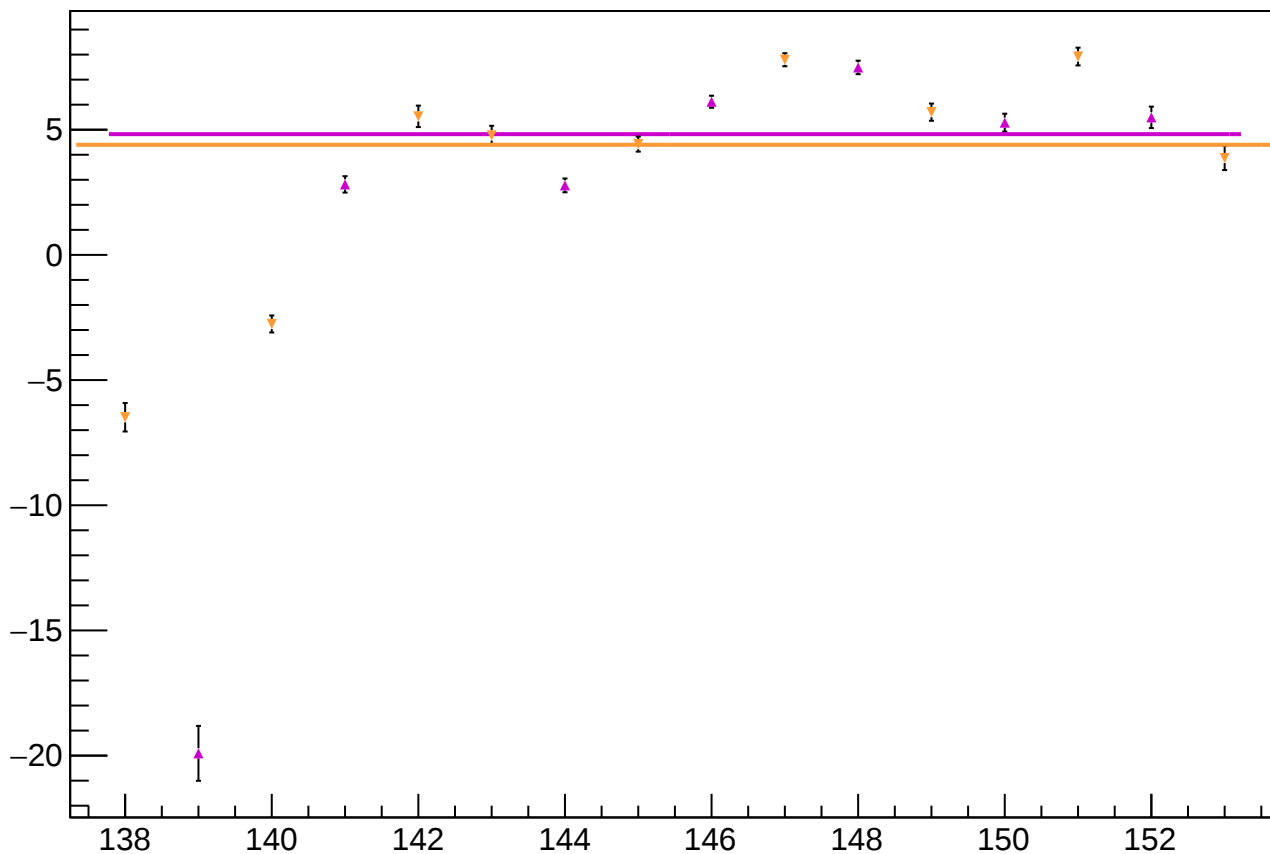
10.504+/-0.174 χ^2/NDF : 1974.4/8

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

7.145+/-0.181 χ^2/NDF : 407.4/6

Left In: 7.145+/-0.181 χ^2/NDF :407.4/6

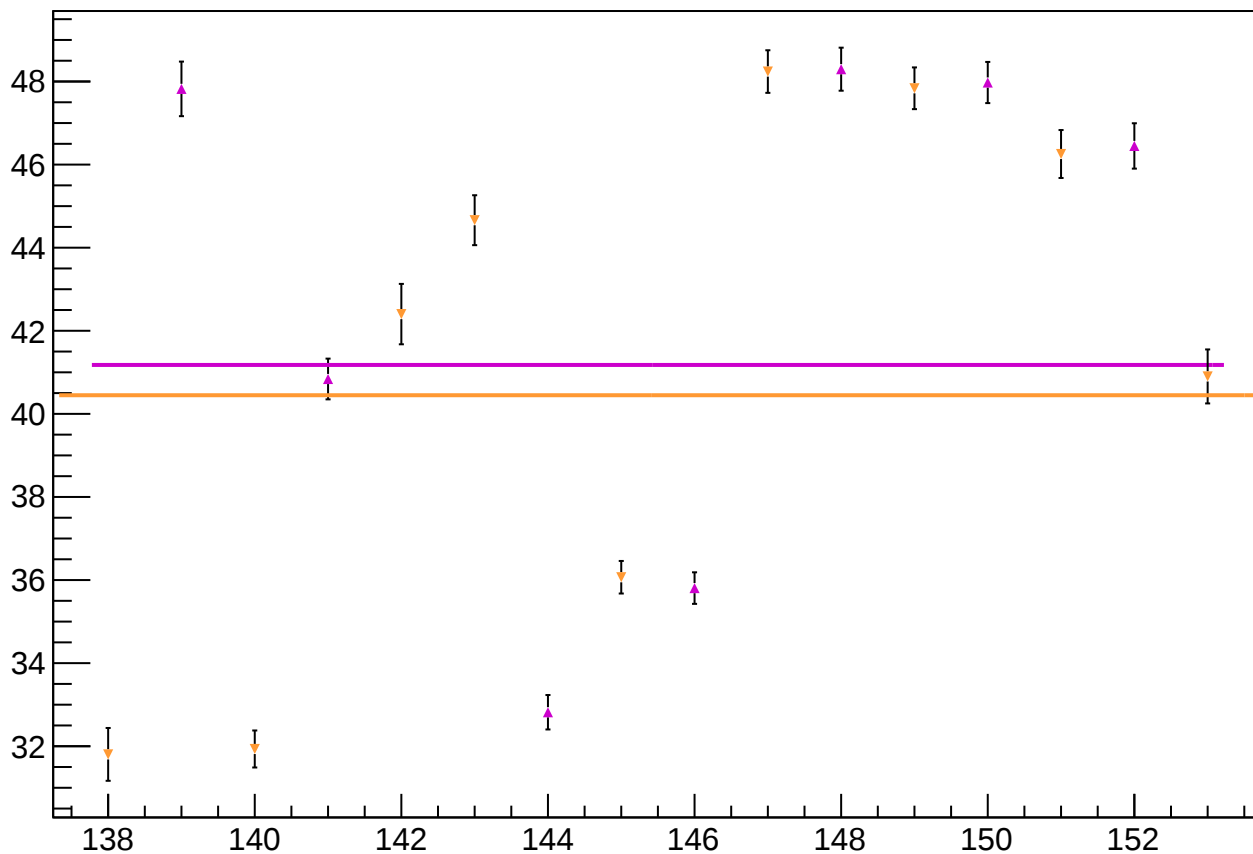
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.398 $\pm$ 0.119 χ^2 /NDF:1101.7/8
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.822 $\pm$ 0.122 χ^2 /NDF:732.2/6

4.398 $\pm$ 0.119 χ^2 /NDF: 1101.7/8
 4.822 $\pm$ 0.122 χ^2 /NDF: 732.2/6

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: 40.449+/-0.177 χ^2/NDF :1280.9/8

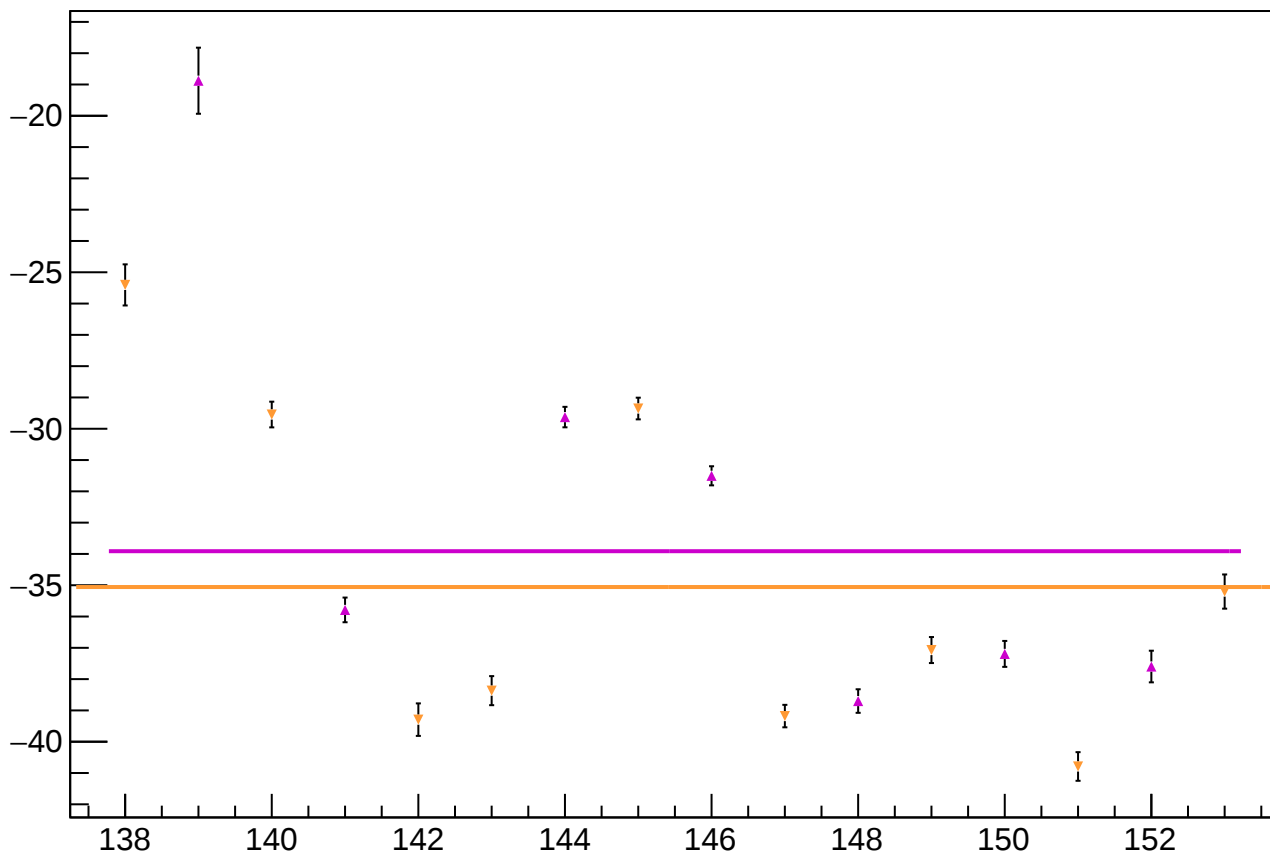
40.449+/-0.177 χ^2/NDF : 1280.9/8

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

Left In: 41.178+/-0.181 χ^2/NDF :1179.9/6

41.178+/-0.181 χ^2/NDF : 1179.9/6

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



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

Left Out: -35.058 $\pm$ 0.146 χ^2 /NDF: 1097.0/8

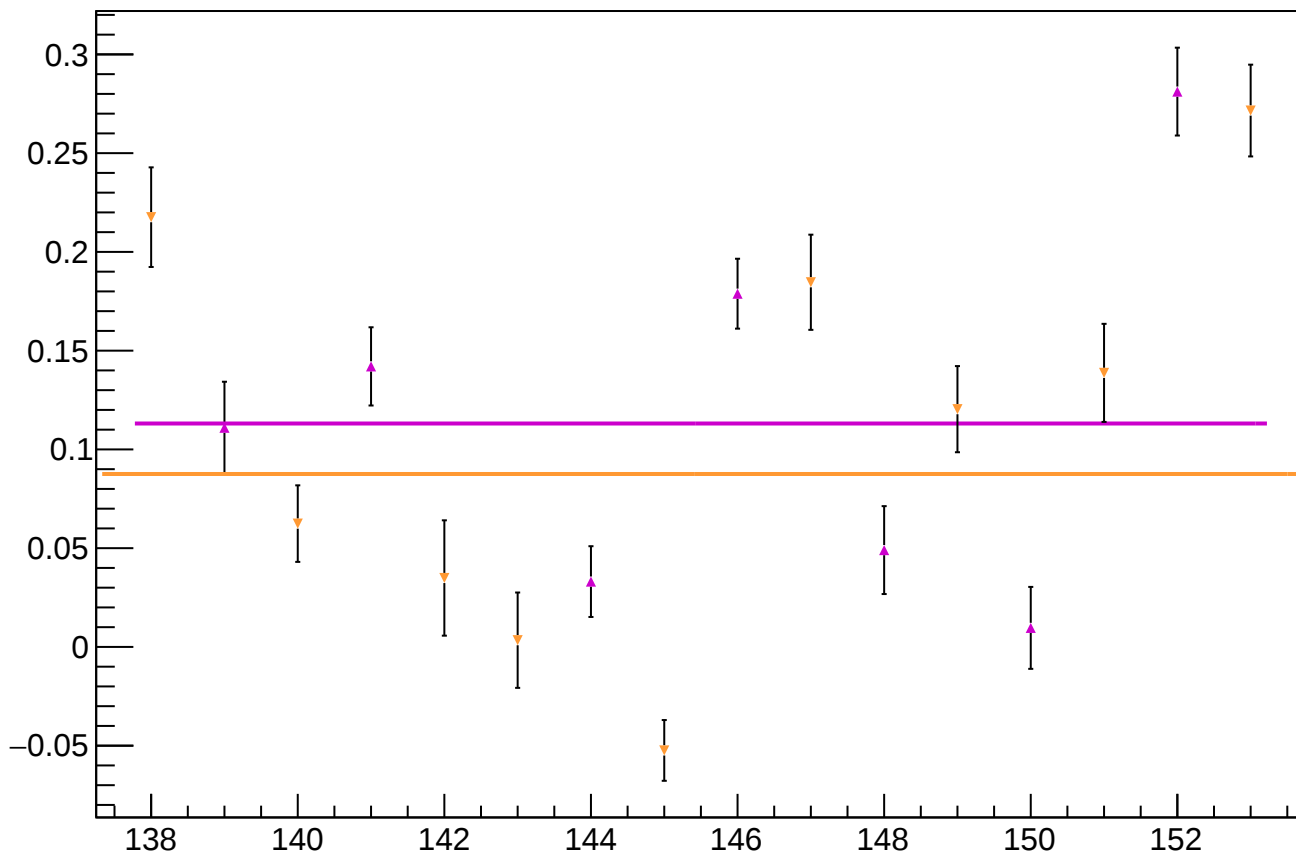
-35.058 $\pm$ 0.146 χ^2 /NDF: 1097.0/8

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

Left In: -33.913 $\pm$ 0.150 χ^2 /NDF: 737.1/6

-33.913 $\pm$ 0.150 χ^2 /NDF: 737.1/6

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: 0.088 $\pm$ 0.007 χ^2 /NDF:212.0/8

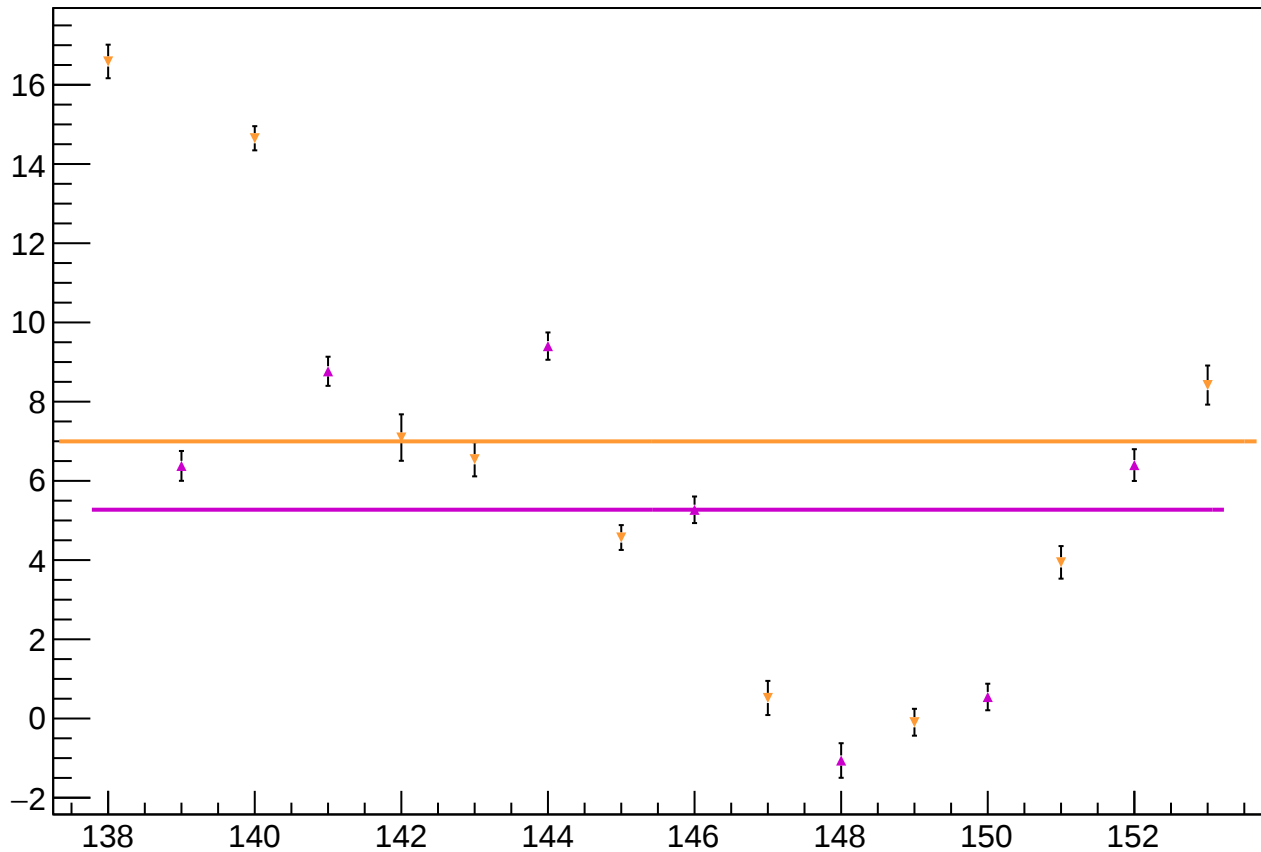
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.113 $\pm$ 0.008 χ^2 /NDF:126.2/6

0.088 $\pm$ 0.007 χ^2 /NDF: 212.0/8

0.113 $\pm$ 0.008 χ^2 /NDF: 126.2/6

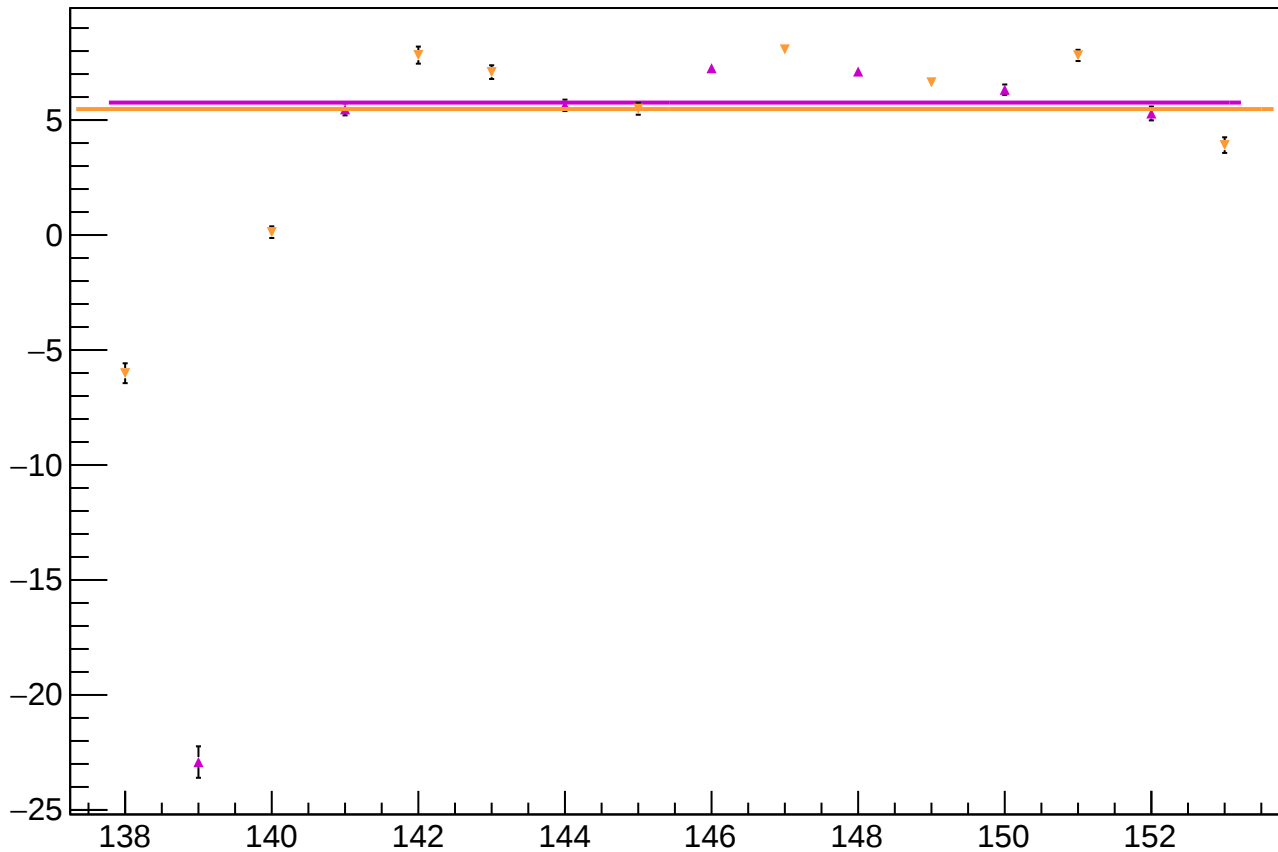
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 6.997+/-0.130 χ^2/NDF :1928.7/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 5.272+/-0.139 χ^2/NDF :659.6/6

6.997+/-0.130 χ^2/NDF : 1928.7/8
 5.272+/-0.139 χ^2/NDF : 659.6/6

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



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

Left Out: 5.477 $\pm$ 0.090 χ^2 /NDF:1523.3/8

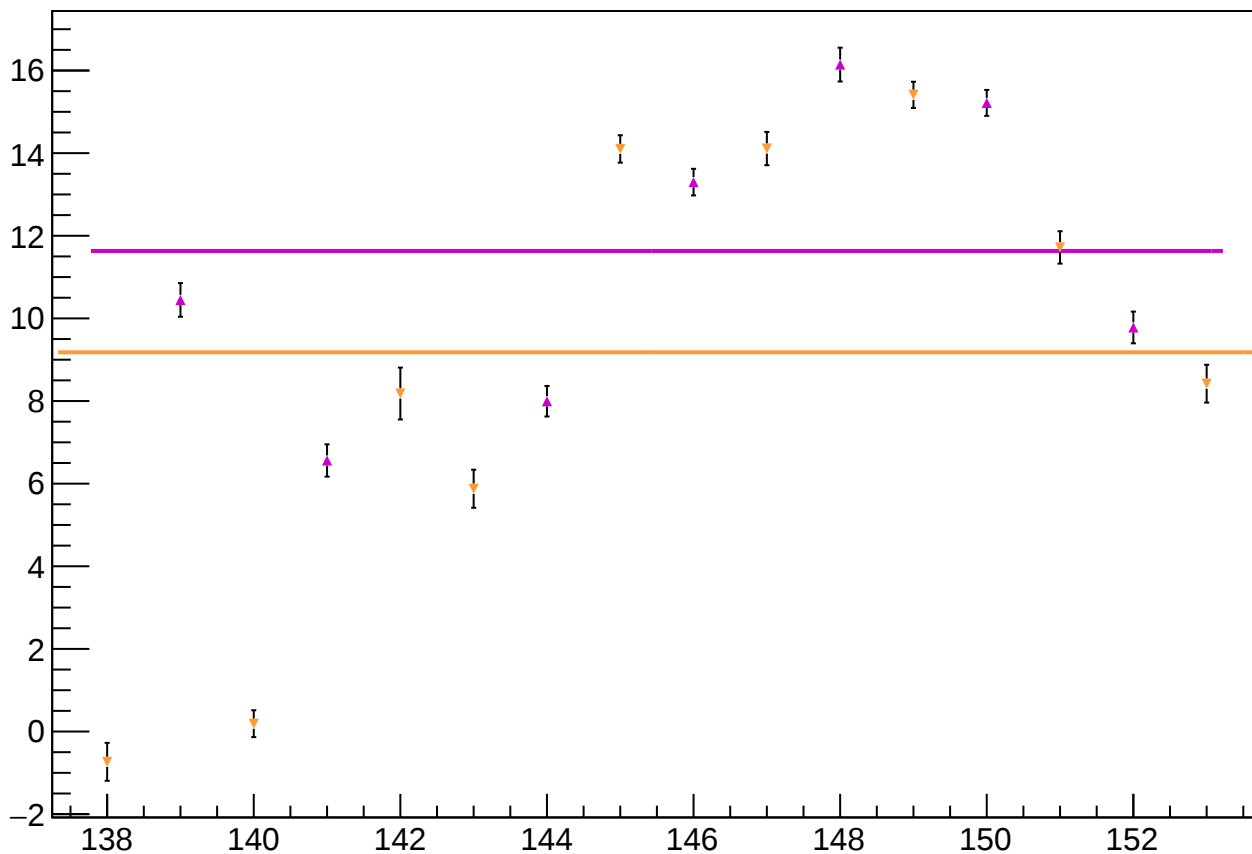
5.477 $\pm$ 0.090 χ^2 /NDF: 1523.3/8

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

Left In: 5.759 $\pm$ 0.097 χ^2 /NDF:1854.0/6

5.759 $\pm$ 0.097 χ^2 /NDF: 1854.0/6

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



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

Left Out: 9.180+/-0.131 χ^2/NDF : 2084.2/8

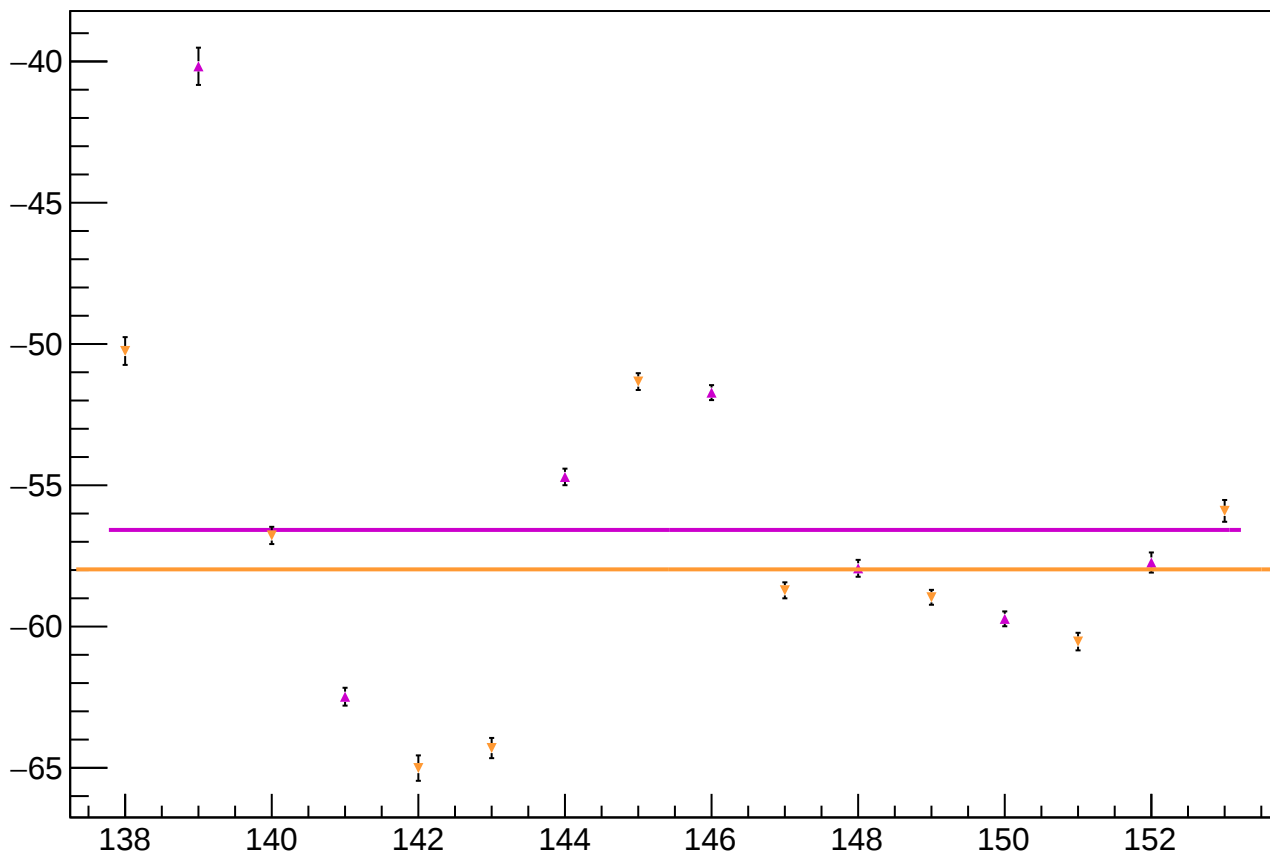
9.180+/-0.131 χ^2/NDF : 2084.2/8

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

Left In: 11.632+/-0.138 χ^2/NDF : 575.7/6

11.632+/-0.138 χ^2/NDF : 575.7/6

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: -57.976 ± 0.110 χ^2/NDF : 1437.2/8

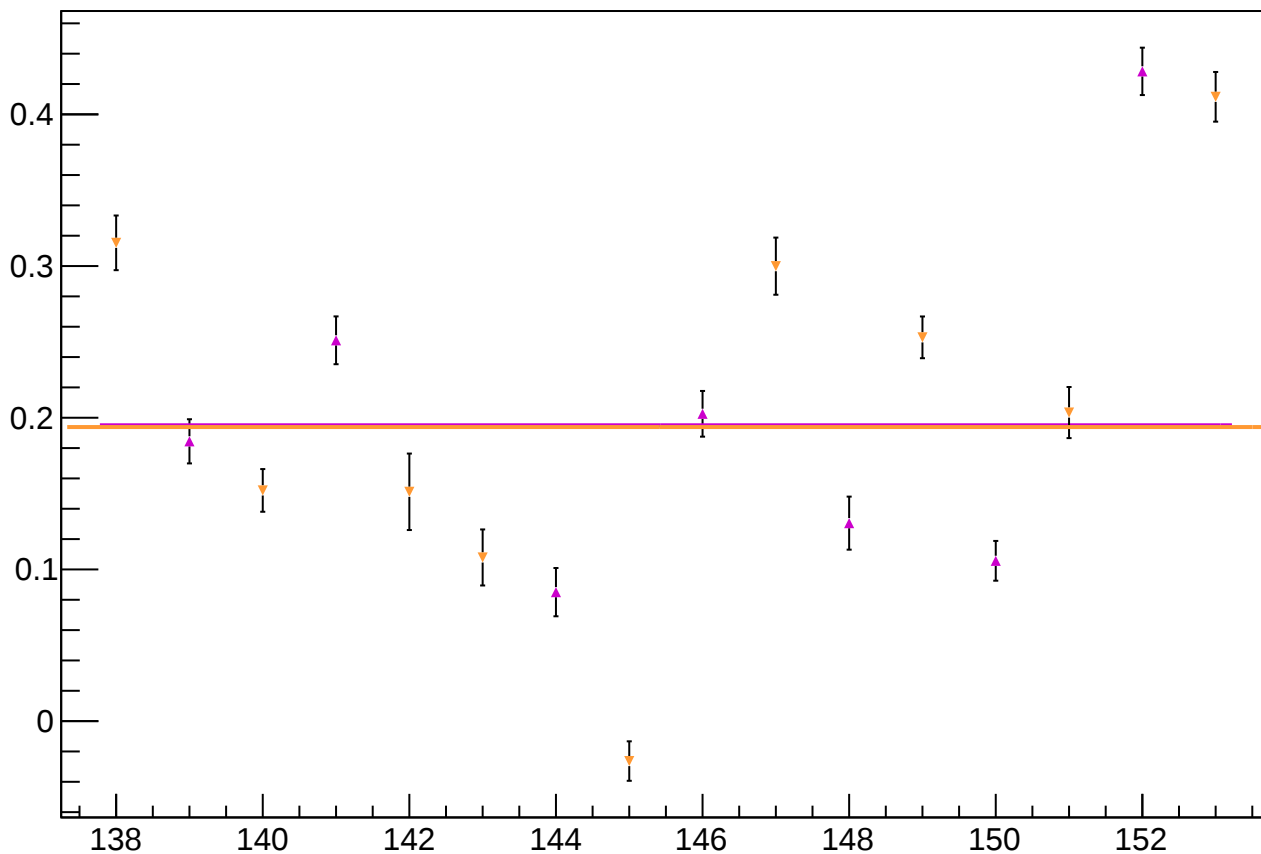
-57.976 ± 0.110 χ^2/NDF : 1437.2/8

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

Left In: -56.580 ± 0.118 χ^2/NDF : 1519.9/6

-56.580 ± 0.118 χ^2/NDF : 1519.9/6

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: 0.194+/-0.005 χ^2/NDF : 592.4/8

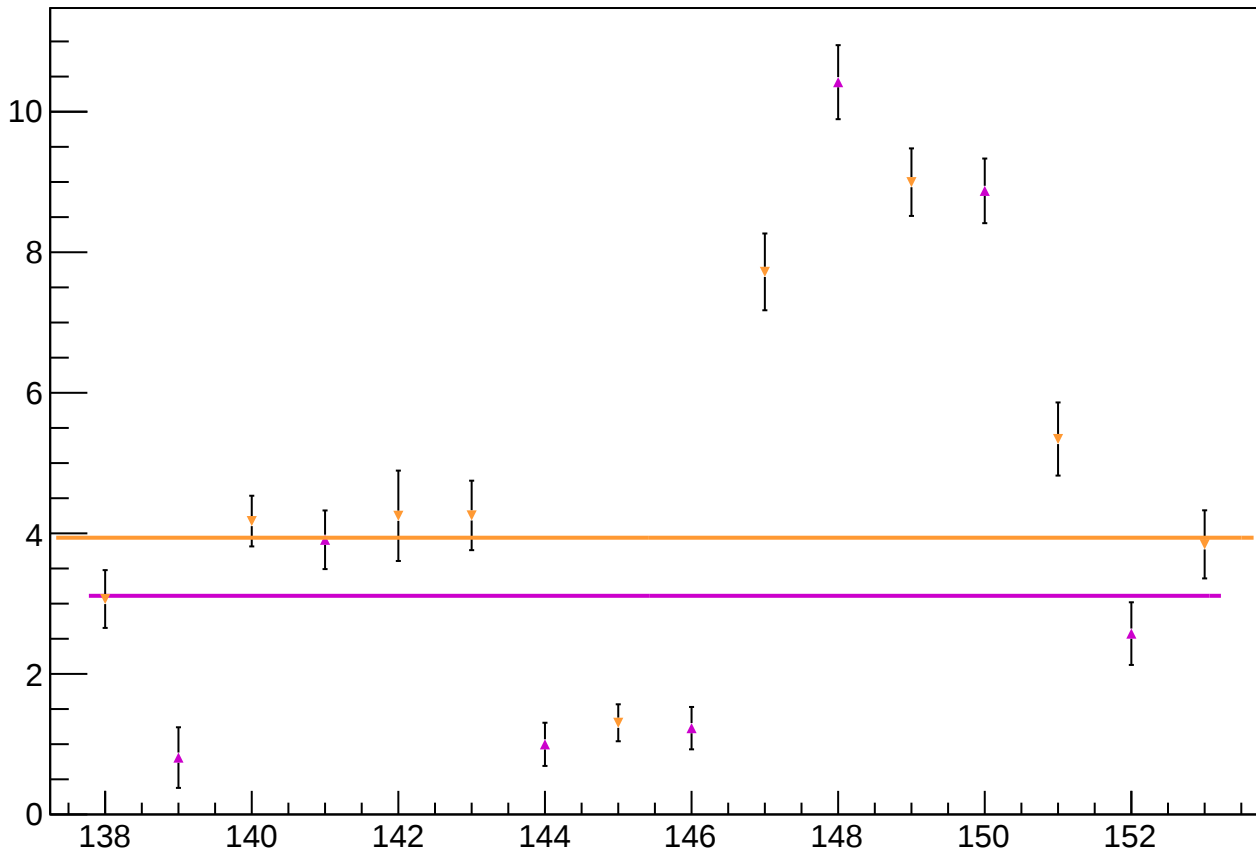
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.195+/-0.006 χ^2/NDF : 344.4/6

0.194+/-0.005 χ^2/NDF : 592.4/8

0.195+/-0.006 χ^2/NDF : 344.4/6

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: 3.938 $\pm$ 0.141 χ^2 /NDF: 271.9/8

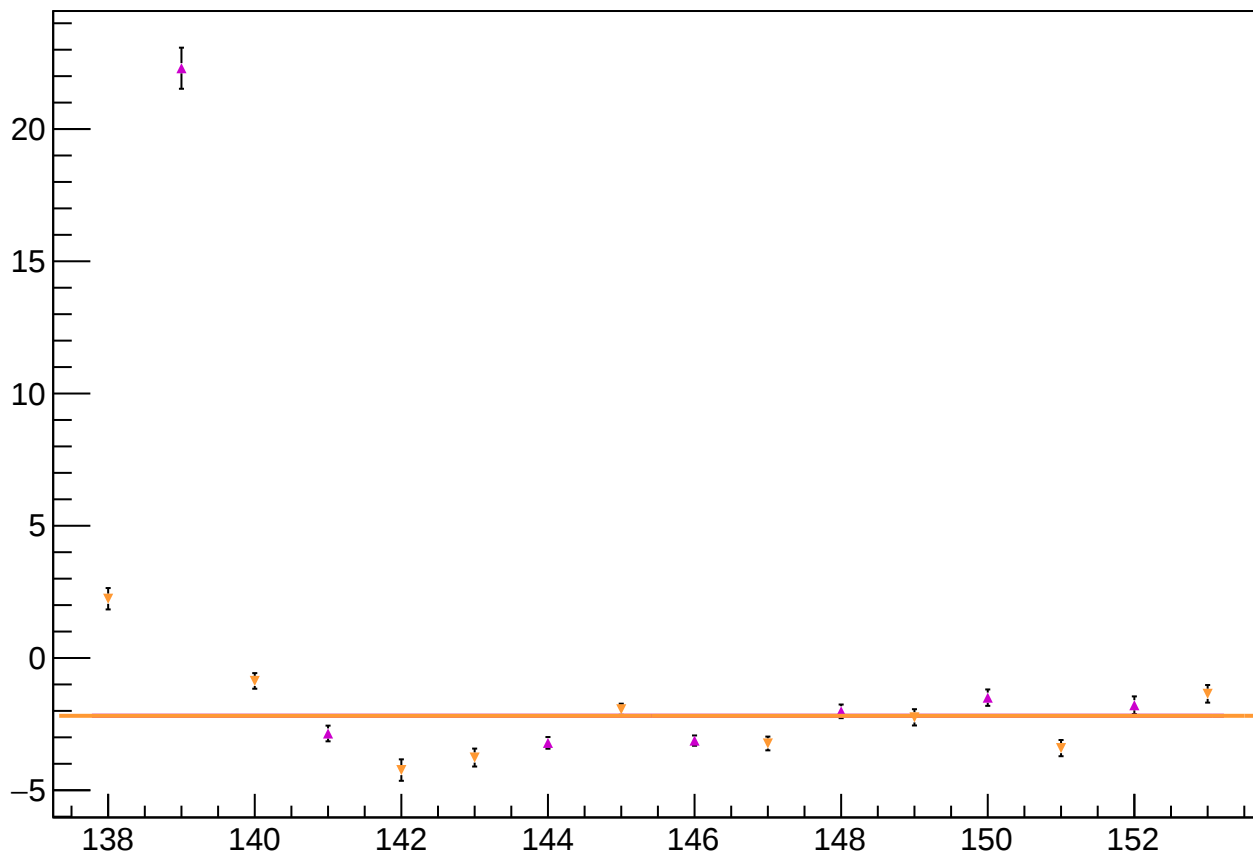
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 3.111 $\pm$ 0.147 χ^2 /NDF: 469.5/6

3.938 $\pm$ 0.141 χ^2 /NDF: 271.9/8

3.111 $\pm$ 0.147 χ^2 /NDF: 469.5/6

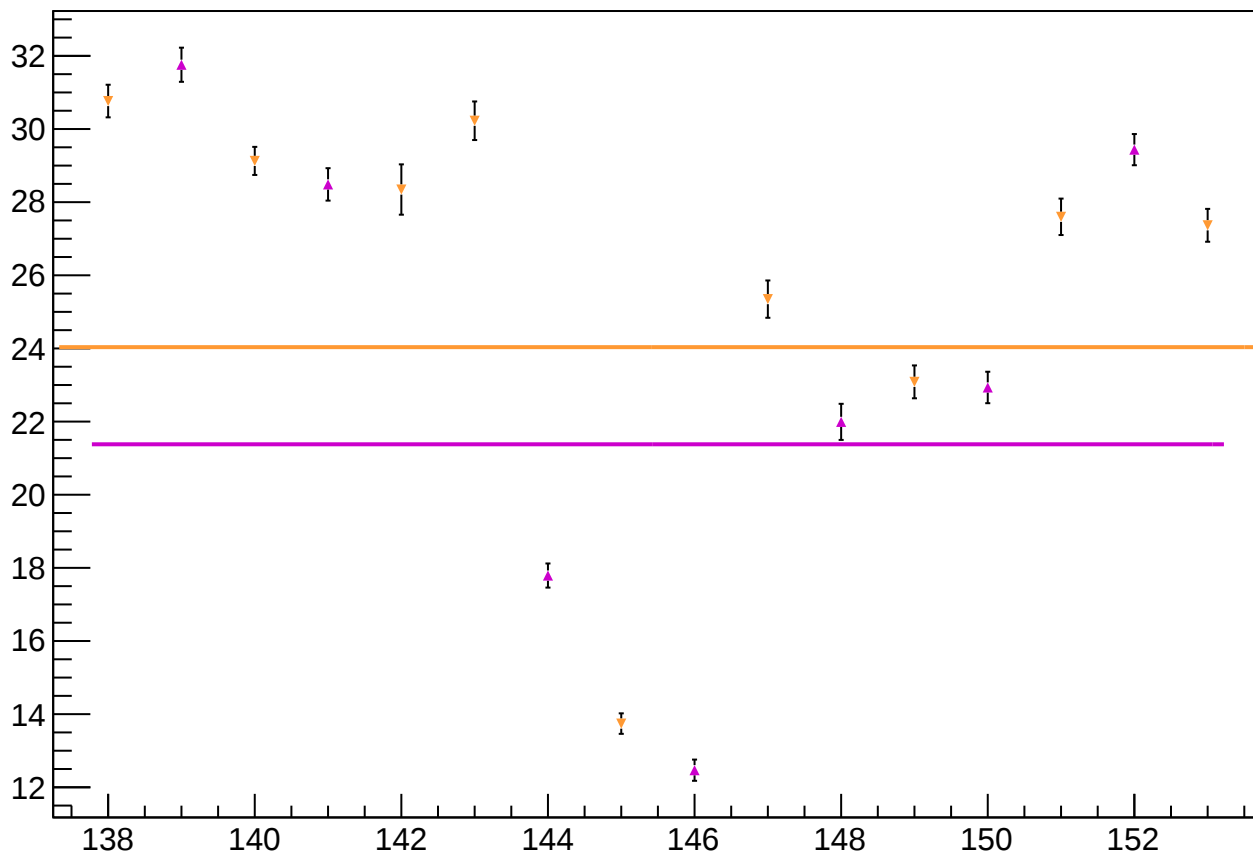
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.186+/-0.100 χ^2/NDF : 226.9/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.183+/-0.103 χ^2/NDF : 1049.4/6

-2.186+/-0.100 χ^2/NDF : 226.9/8
 -2.183+/-0.103 χ^2/NDF : 1049.4/6

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: 24.035+/-0.144 χ^2/NDF : 2046.1/8

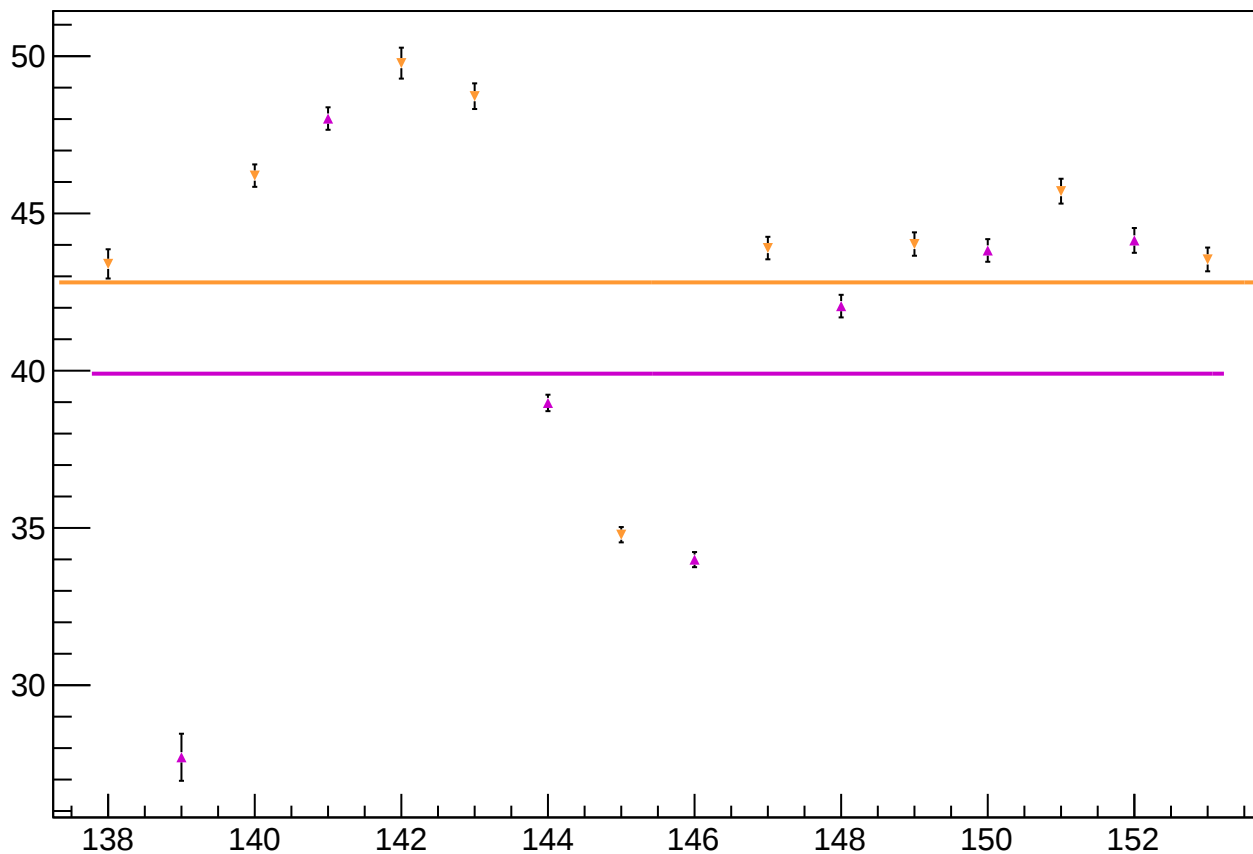
24.035+/-0.144 χ^2/NDF : 2046.1/8

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

Left In: 21.379+/-0.148 χ^2/NDF : 2184.9/6

21.379+/-0.148 χ^2/NDF : 2184.9/6

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: 42.807 $\pm$ 0.121 χ^2/NDF :1662.6/8

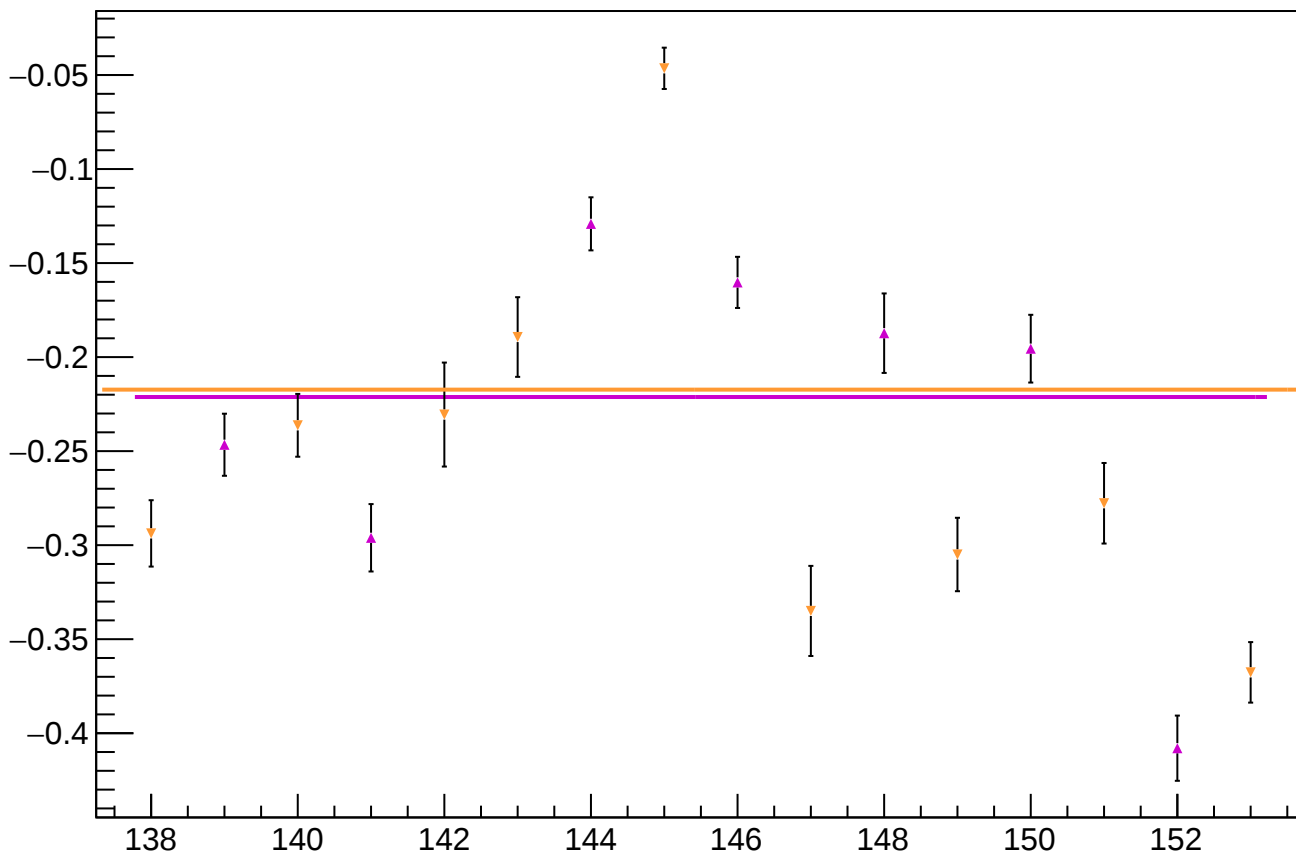
Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left In: 39.905 $\pm$ 0.126 χ^2/NDF :1667.0/6

42.807 $\pm$ 0.121 χ^2/NDF : 1662.6/8

39.905 $\pm$ 0.126 χ^2/NDF : 1667.0/6

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: -0.217+/-0.006 χ^2/NDF : 403.5/8

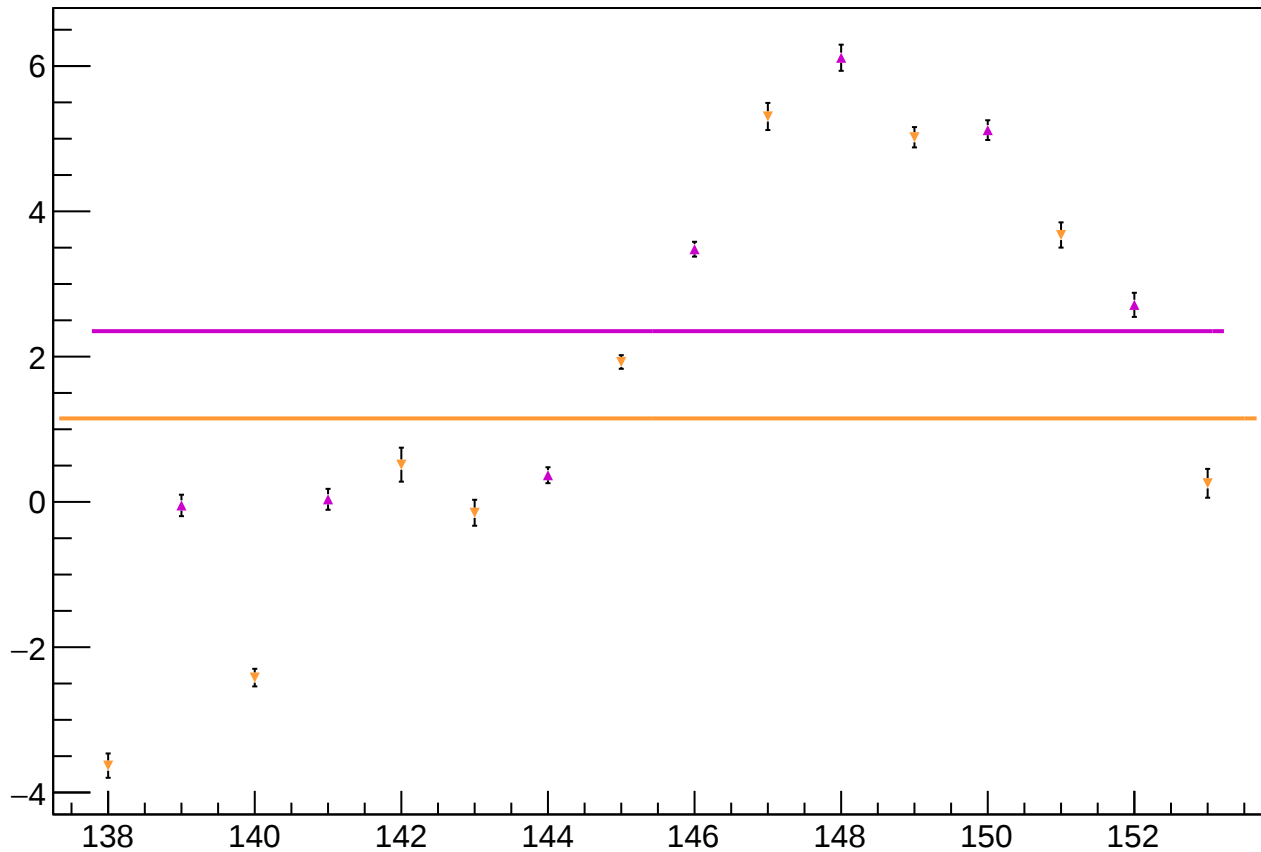
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -0.221+/-0.006 χ^2/NDF : 203.1/6

-0.217+/-0.006 χ^2/NDF : 403.5/8

-0.221+/-0.006 χ^2/NDF : 203.1/6

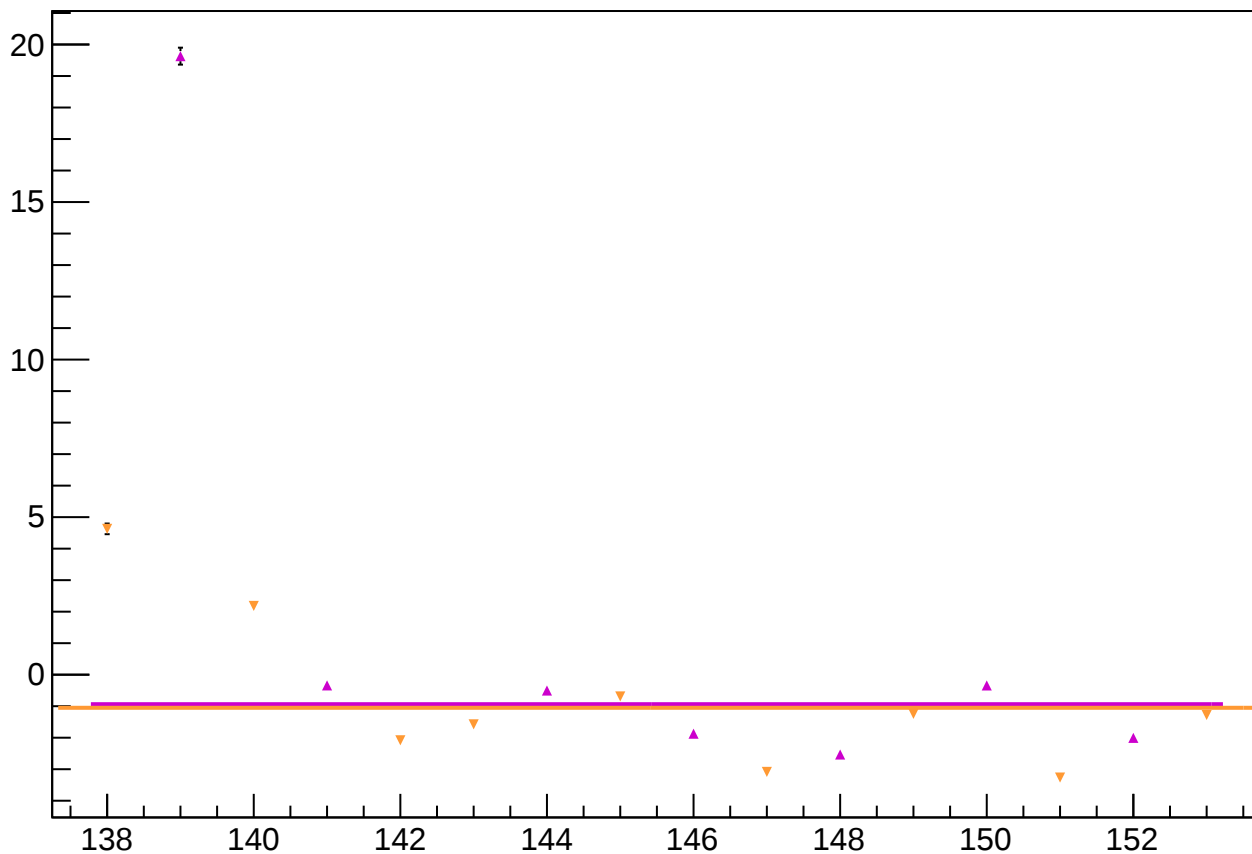
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 1.150+/-0.050 χ^2/NDF :3302.6/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 2.351+/-0.050 χ^2/NDF :1828.4/6

1.150+/-0.050 χ^2/NDF : 3302.6/8
 2.351+/-0.050 χ^2/NDF : 1828.4/6

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: -1.051+/-0.035 χ^2/NDF : 3247.0/8

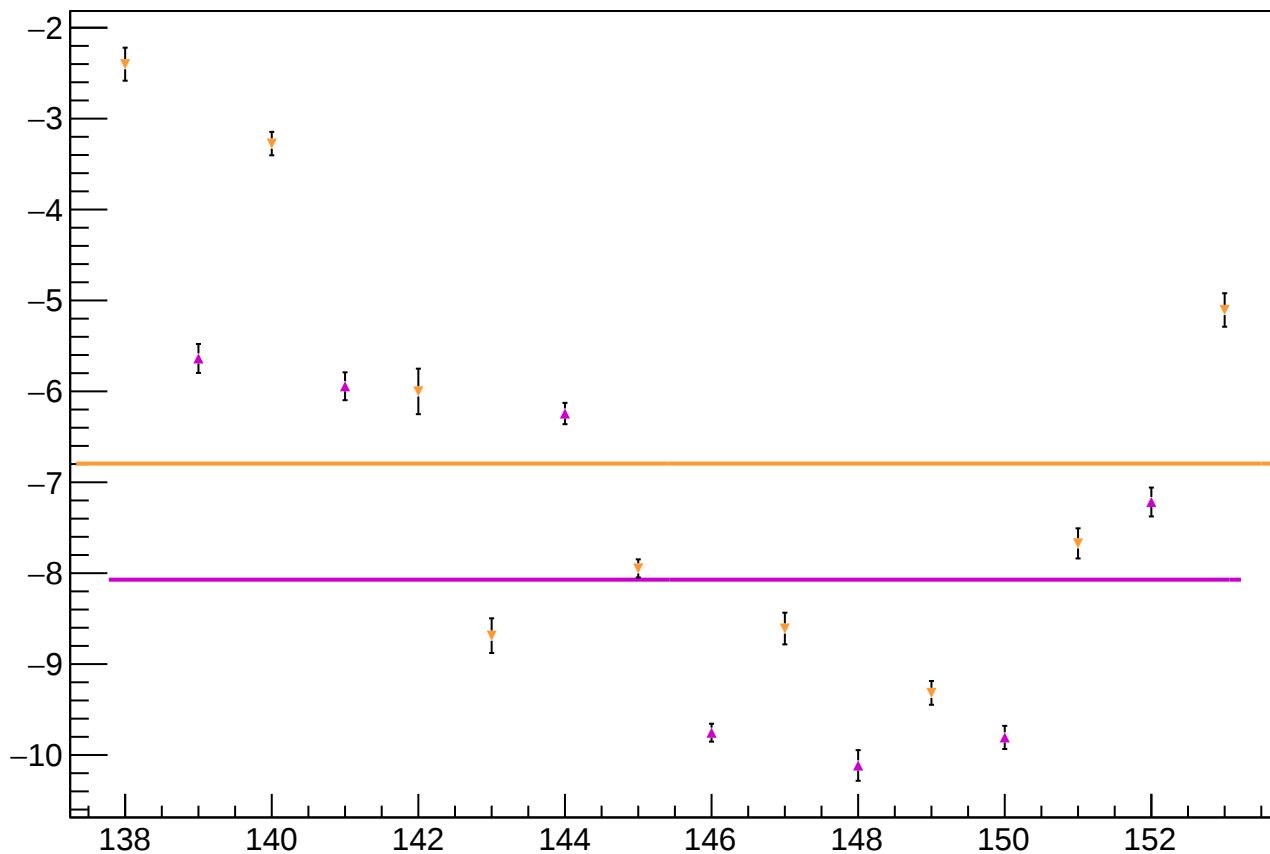
-1.051+/-0.035 χ^2/NDF : 3247.0/8

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

-0.936+/-0.035 χ^2/NDF : 6543.3/6

Left In: -0.936+/-0.035 χ^2/NDF : 6543.3/6

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: -6.795+/-0.051 χ^2/NDF : 2163.5/8

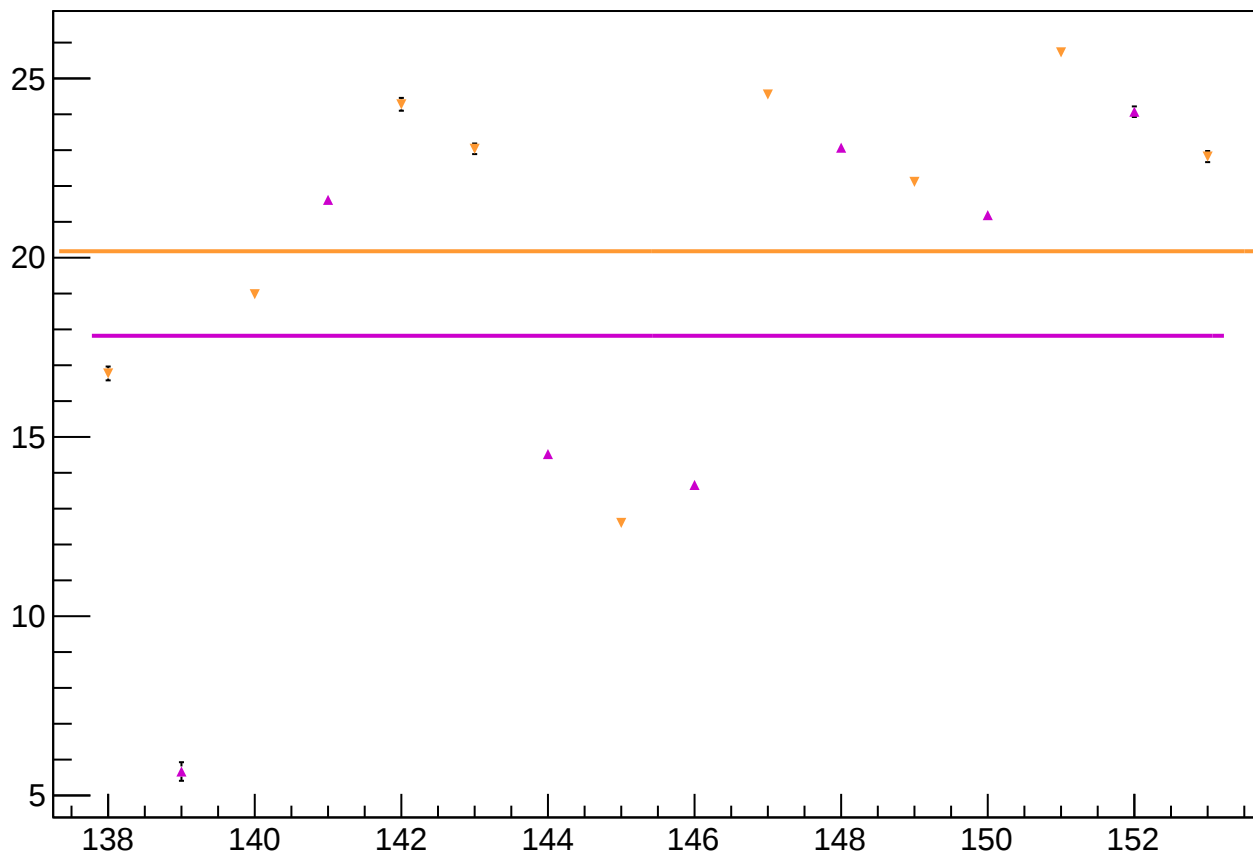
-6.795+/-0.051 χ^2/NDF : 2163.5/8

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

-8.071+/-0.050 χ^2/NDF : 1321.9/6

Left In: -8.071+/-0.050 χ^2/NDF : 1321.9/6

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: 20.180+/-0.043 χ^2/NDF :12343.0/8

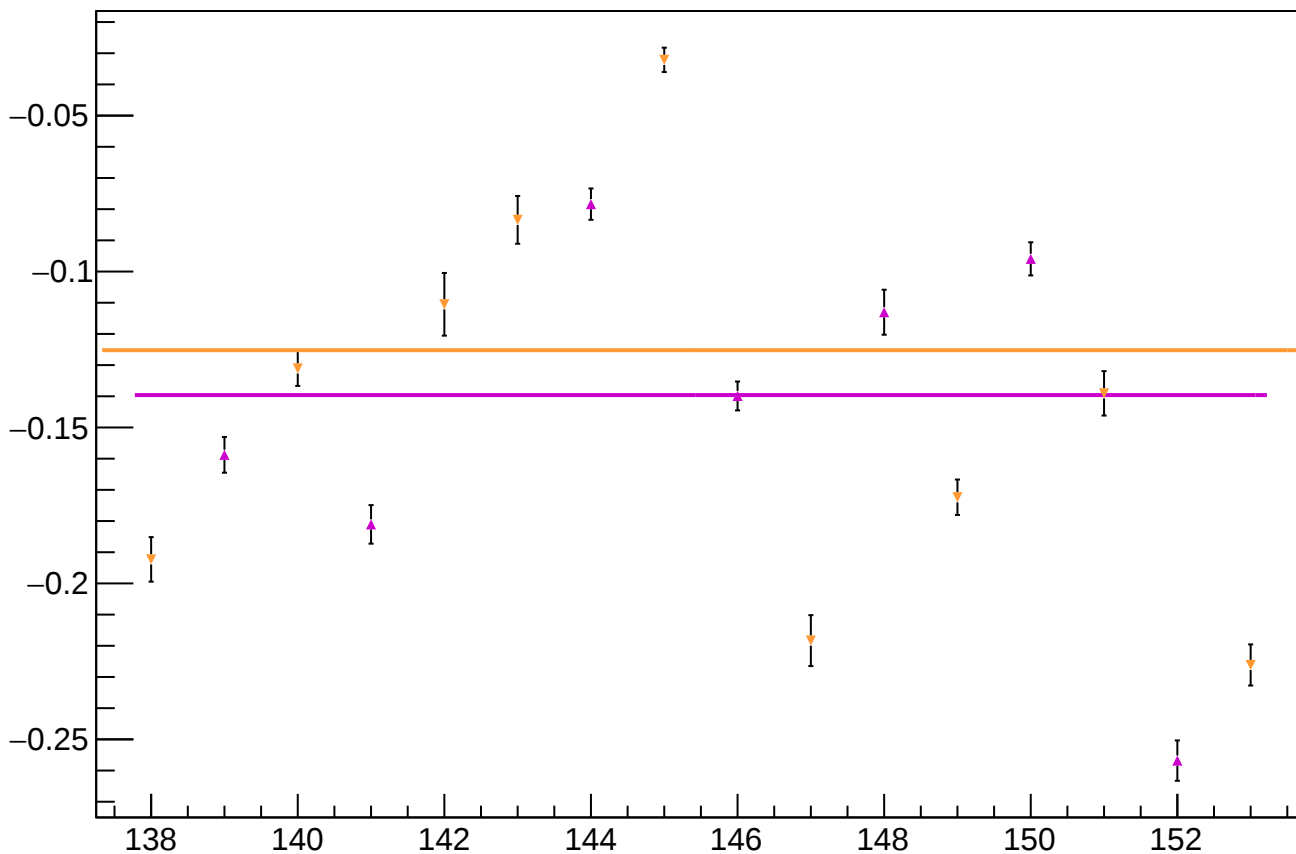
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 17.822+/-0.043 χ^2/NDF :11553.2/6

20.180+/-0.043 χ^2/NDF : 12343.0/8

17.822+/-0.043 χ^2/NDF : 11553.2/6

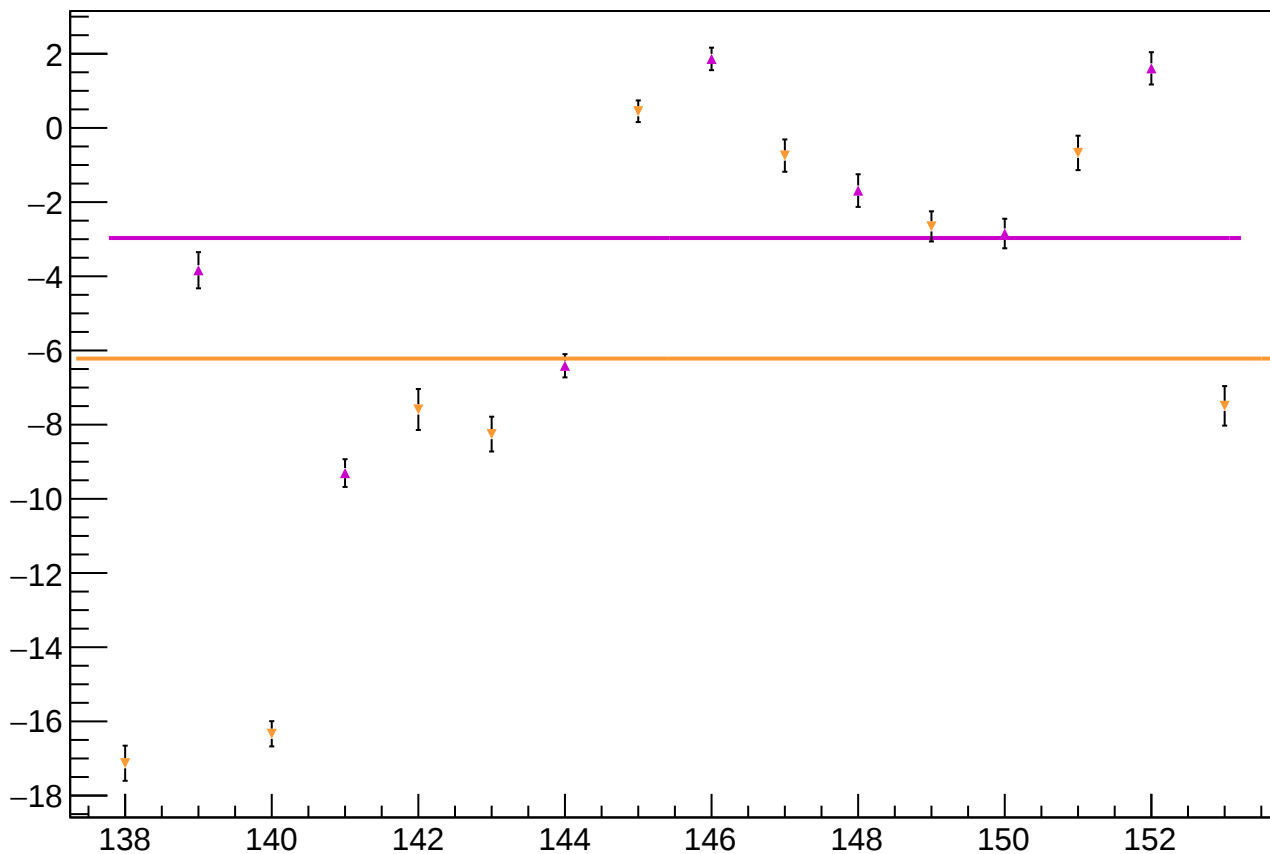
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.125+/-0.002 χ^2/NDF :1125.9/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.140+/-0.002 χ^2/NDF :613.4/6

-0.125+/-0.002 χ^2/NDF : 1125.9/8
 -0.140+/-0.002 χ^2/NDF : 613.4/6

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



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

Left Out: -6.218+/-0.138 χ^2/NDF : 2345.8/8

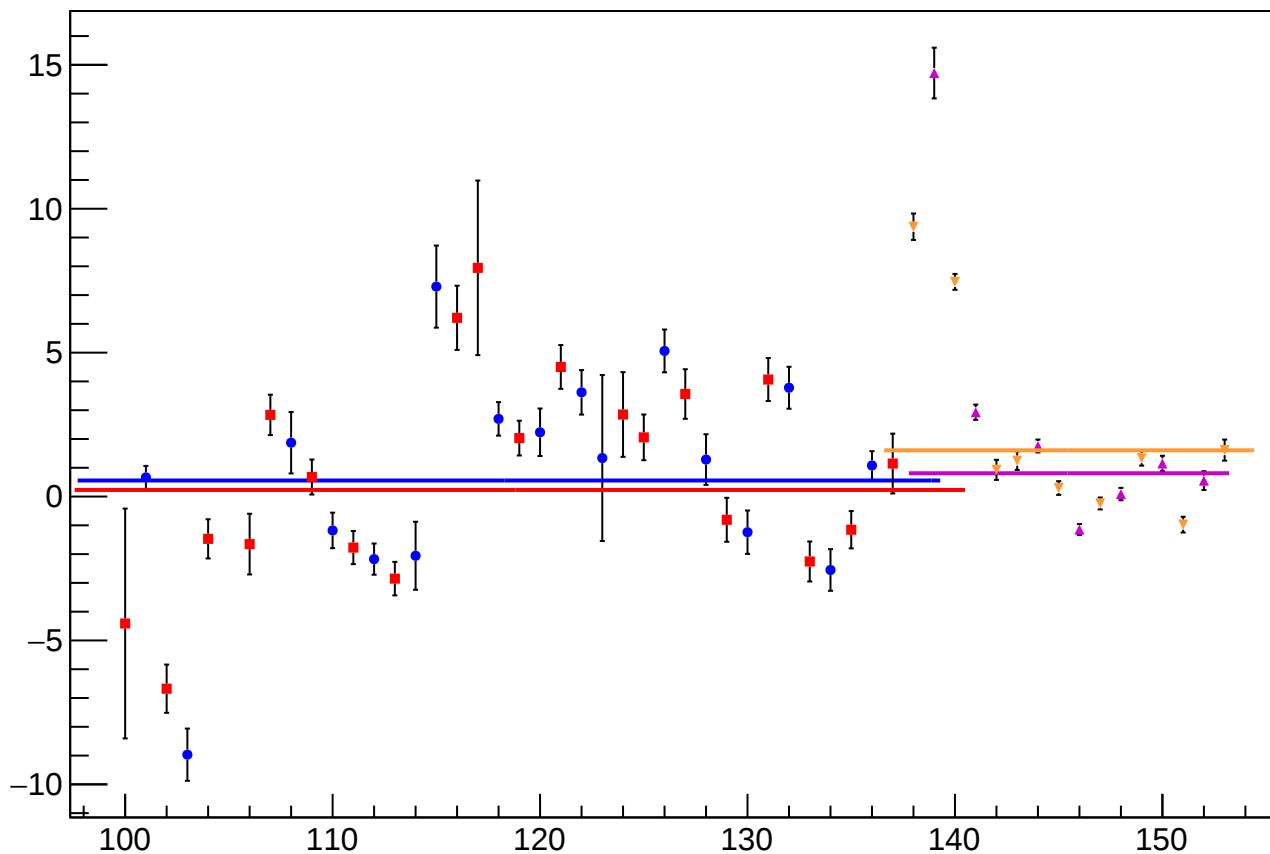
-6.218+/-0.138 χ^2/NDF : 2345.8/8

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

Left In: -2.968+/-0.143 χ^2/NDF : 783.4/6

-2.968+/-0.143 χ^2/NDF : 783.4/6

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.558 $\pm$ 0.170 χ^2 /NDF: 287.9/16

Left Out: 1.606 $\pm$ 0.094 χ^2 /NDF:939.6/8

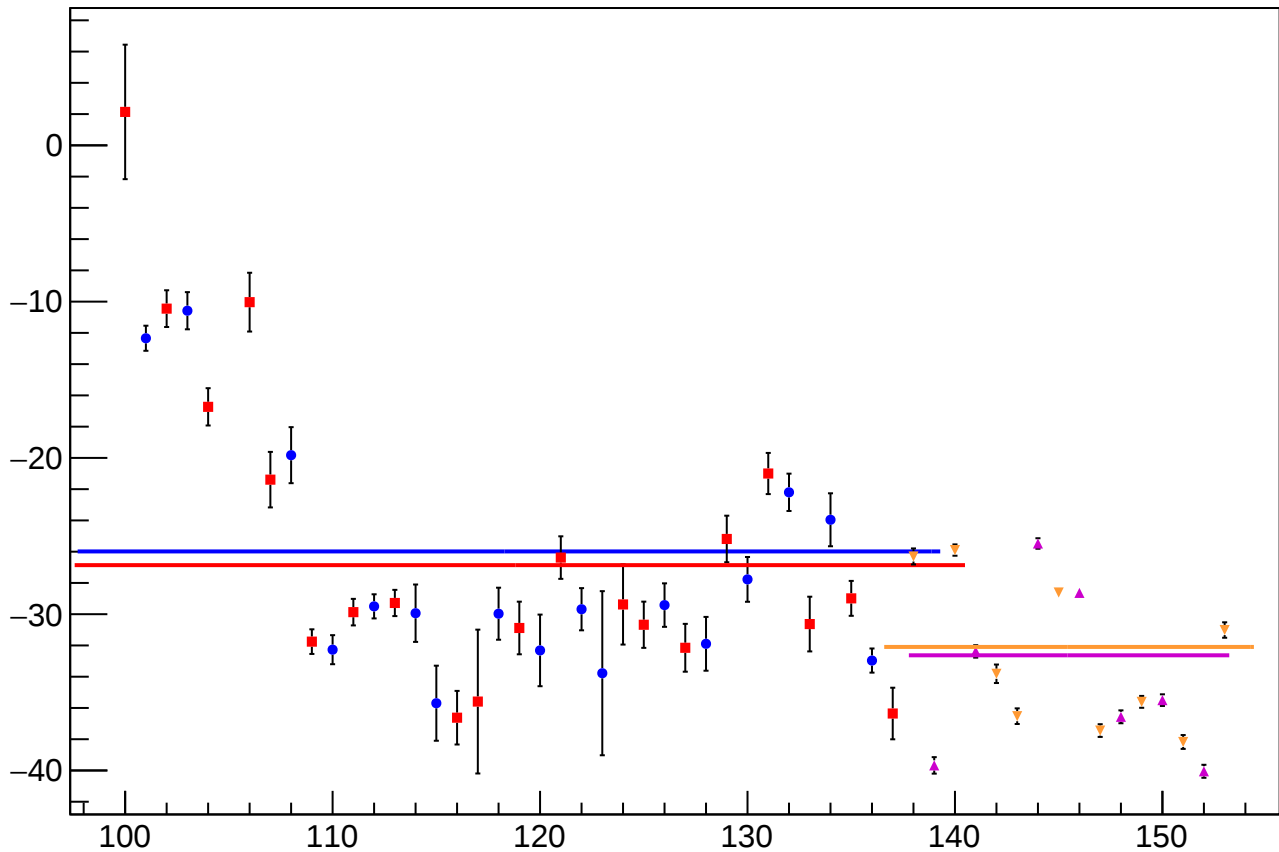
Right Out: 0.230 $\pm$ 0.174 χ^2 /NDF: 278.5/19

Left In: 0.809 $\pm$ 0.096 χ^2 /NDF:449.4/6

1.360 $\pm$ 0.083 χ^2 /NDF: 1256.5/25

0.674 $\pm$ 0.084 χ^2 /NDF: 736.4/26

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -25.984 ± 0.300 χ^2/NDF : 691.5/16

Left Out: -32.095 ± 0.140 χ^2/NDF : 1085.0/8

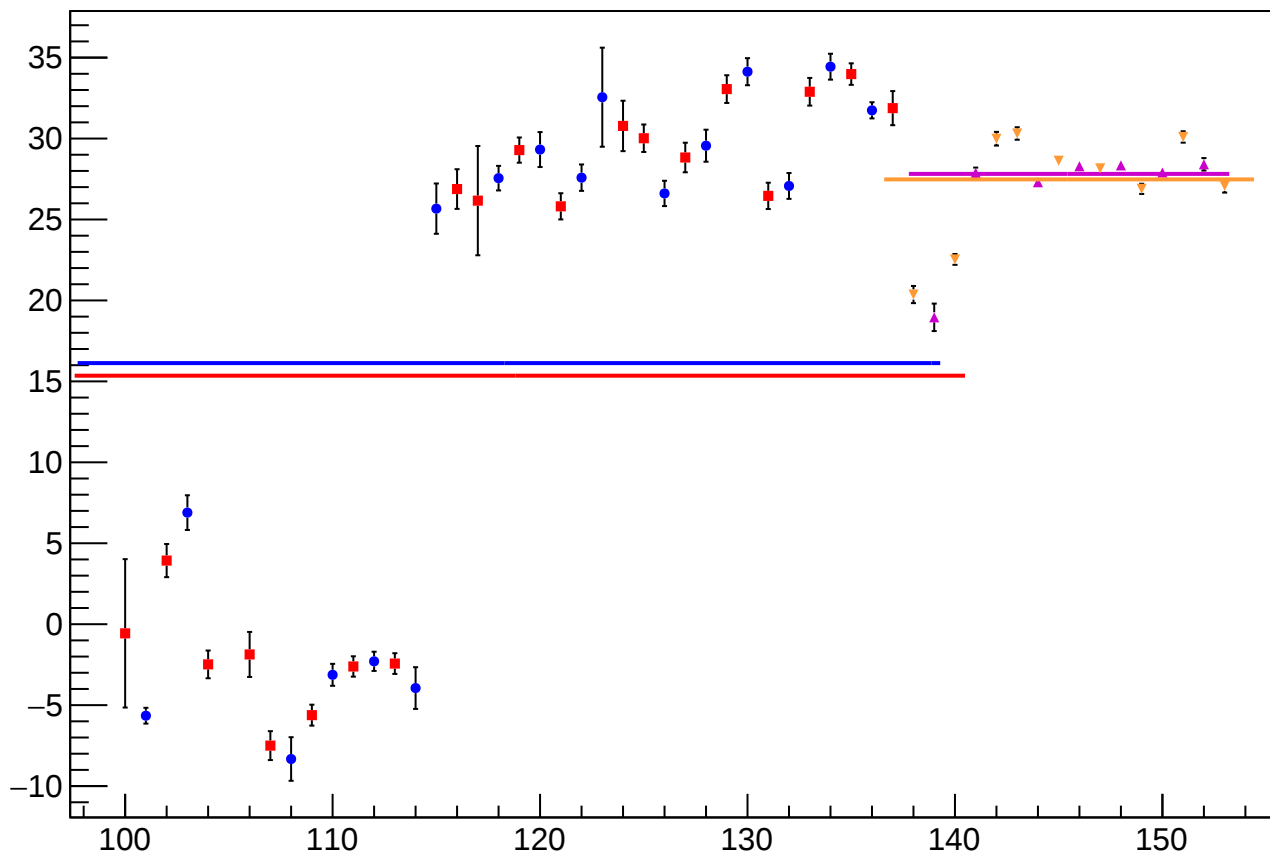
Right Out: -26.861 ± 0.297 χ^2/NDF : 585.2/19

Left In: -32.631 ± 0.142 χ^2/NDF : 1287.7/6

-31.002 ± 0.127 χ^2/NDF : 2116.3/25

-31.554 ± 0.128 χ^2/NDF : 2179.8/26

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 16.129+/-0.192 χ^2/NDF : 7572.5/16

Left Out: 27.477+/-0.116 χ^2/NDF : 571.2/8

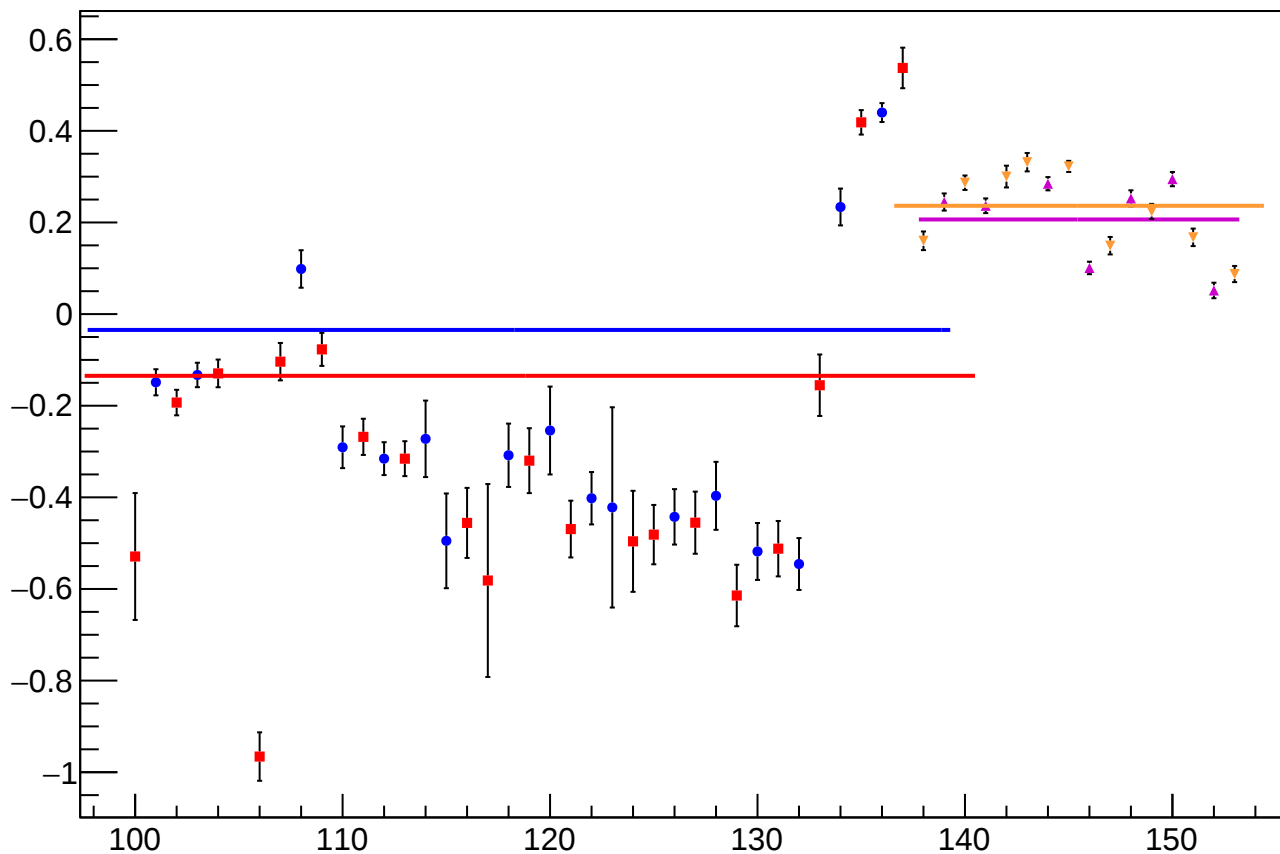
Right Out: 15.352+/-0.197 χ^2/NDF : 7288.4/19

Left In: 27.817+/-0.119 χ^2/NDF : 122.3/6

24.443+/-0.099 χ^2/NDF : 10701.5/25

24.492+/-0.102 χ^2/NDF : 10355.8/26

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.035+/-0.010 χ^2/NDF : 1011.6/16

Left Out: 0.236+/-0.006 χ^2/NDF : 209.6/8

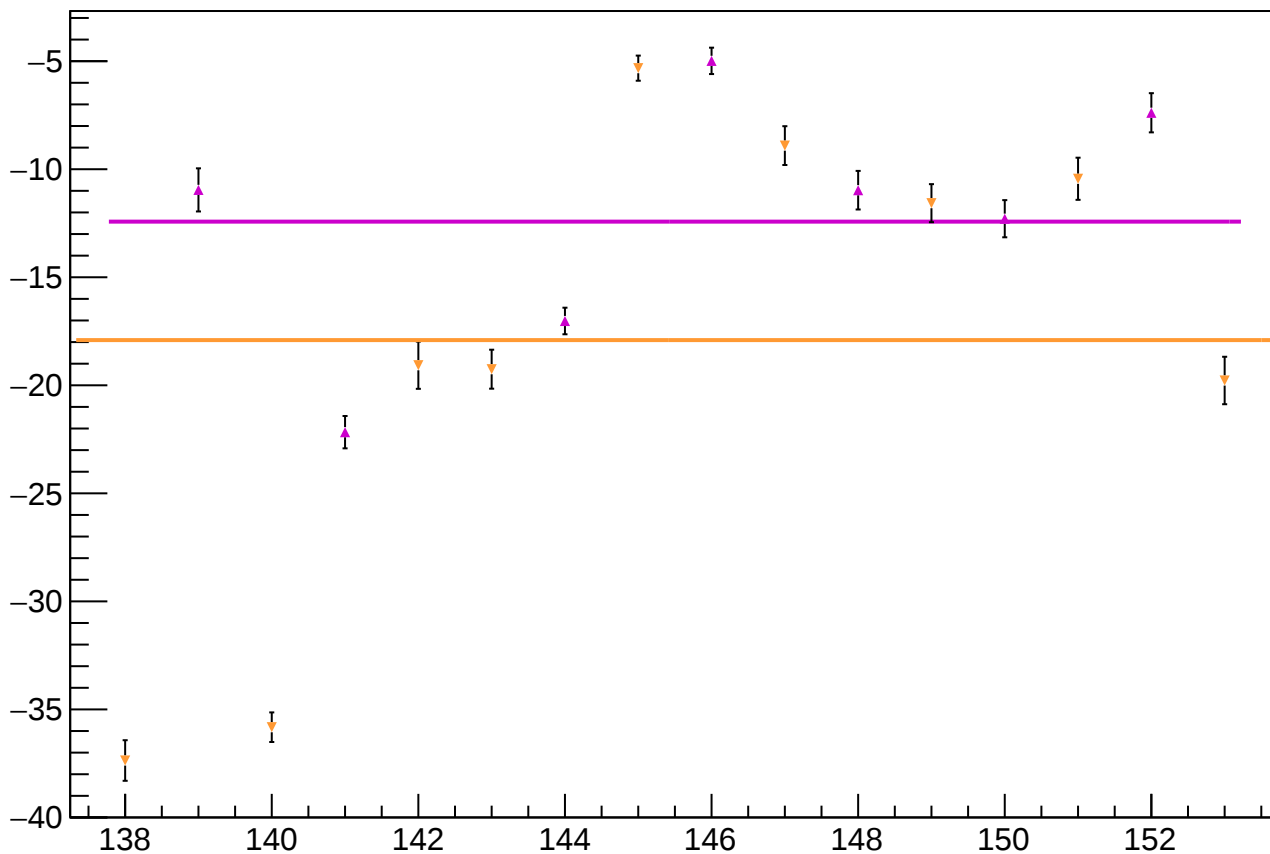
Right Out: -0.135+/-0.010 χ^2/NDF : 1166.4/19

Left In: 0.207+/-0.006 χ^2/NDF : 218.7/6

0.172+/-0.005 χ^2/NDF : 1744.7/25

0.120+/-0.005 χ^2/NDF : 2196.2/26

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



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

-17.908+/-0.281 χ^2/NDF : 1799.1/8

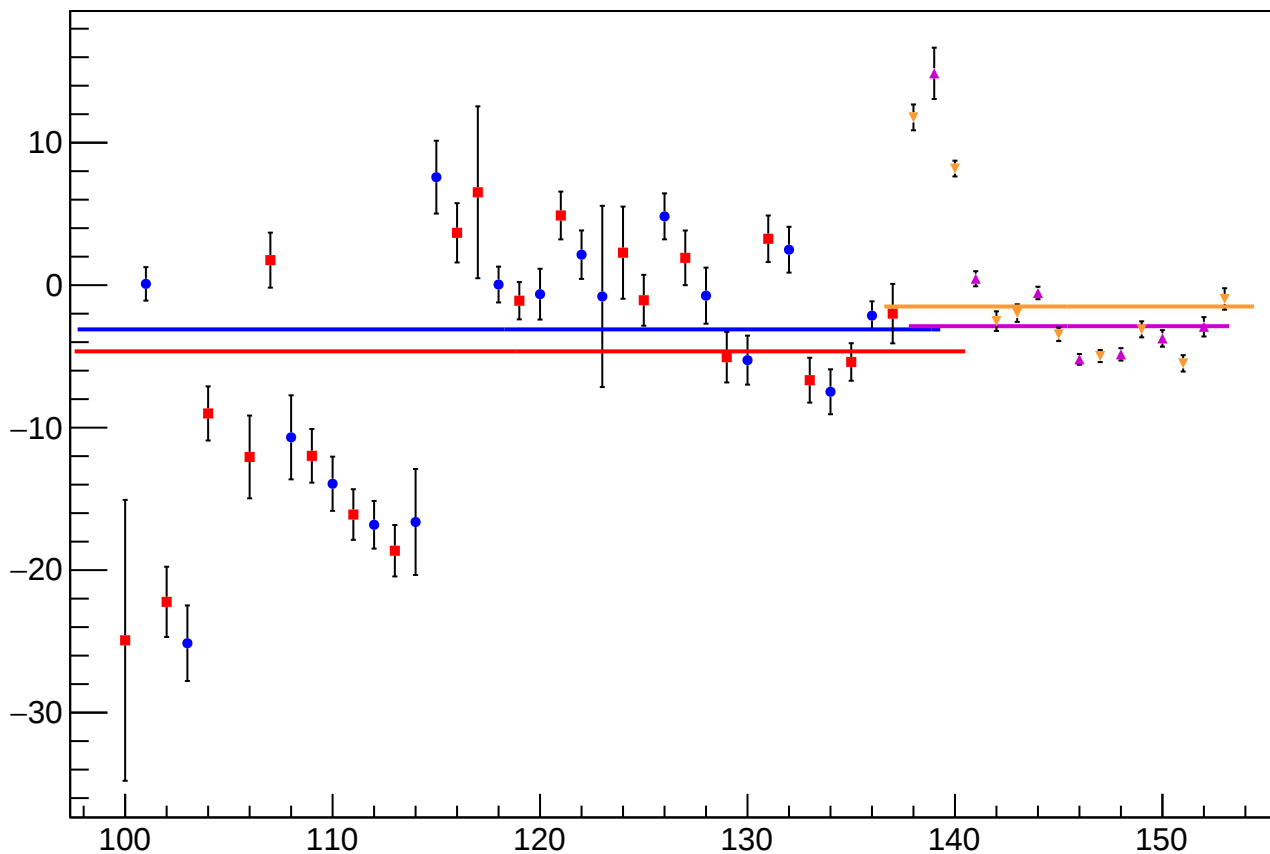
Left Out: -17.908+/-0.281 χ^2/NDF : 1799.1/8

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

-12.425+/-0.289 χ^2/NDF : 409.6/6

Left In: -12.425+/-0.289 χ^2/NDF : 409.6/6

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -3.104 ± 0.411 χ^2/NDF : 279.1/16

Left Out: -1.497 ± 0.192 χ^2/NDF : 662.0/8

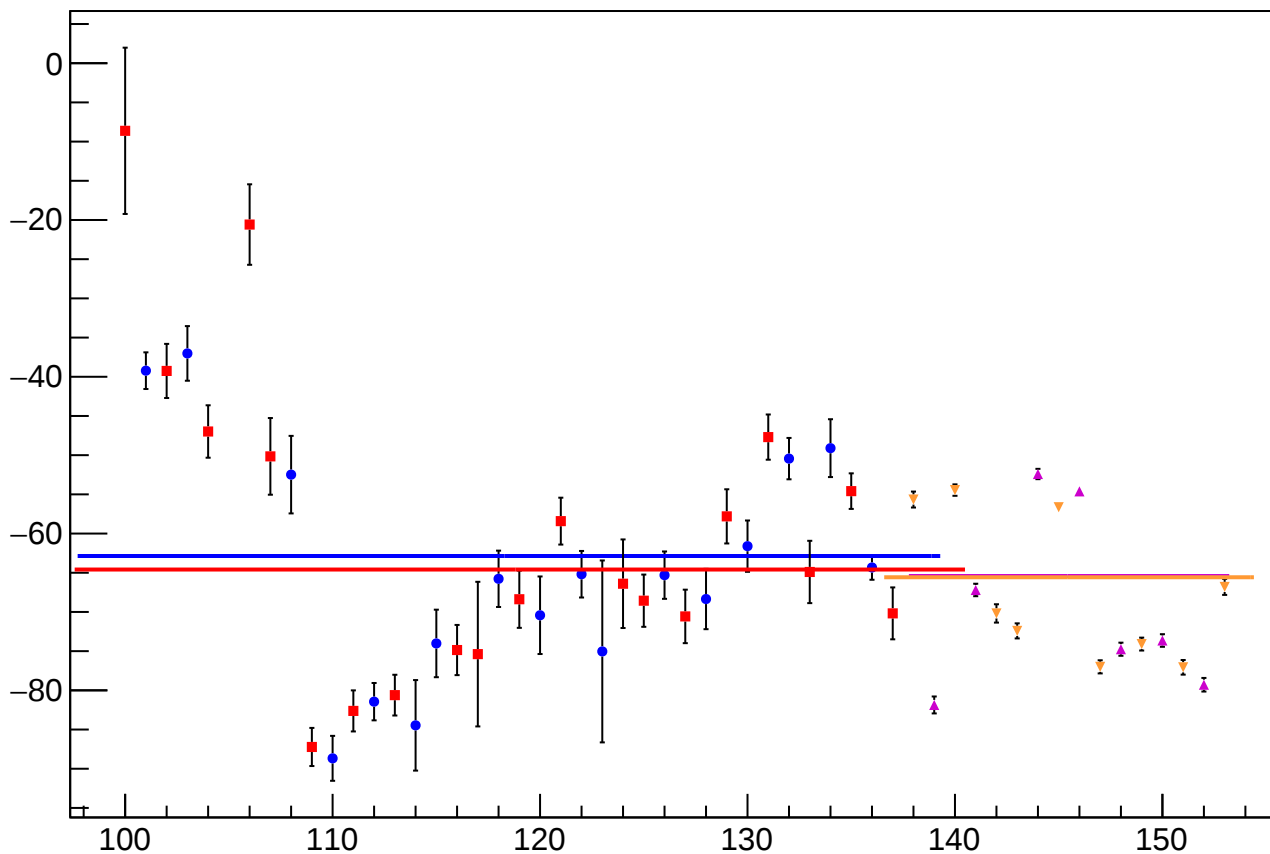
Right Out: -4.645 ± 0.425 χ^2/NDF : 301.1/19

Left In: -2.879 ± 0.194 χ^2/NDF : 225.9/6

-1.785 ± 0.174 χ^2/NDF : 953.7/25

-3.184 ± 0.177 χ^2/NDF : 541.2/26

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -62.863 ± 0.741 χ^2/NDF : 368.7/16

Left Out: -65.575 ± 0.285 χ^2/NDF : 1049.1/8

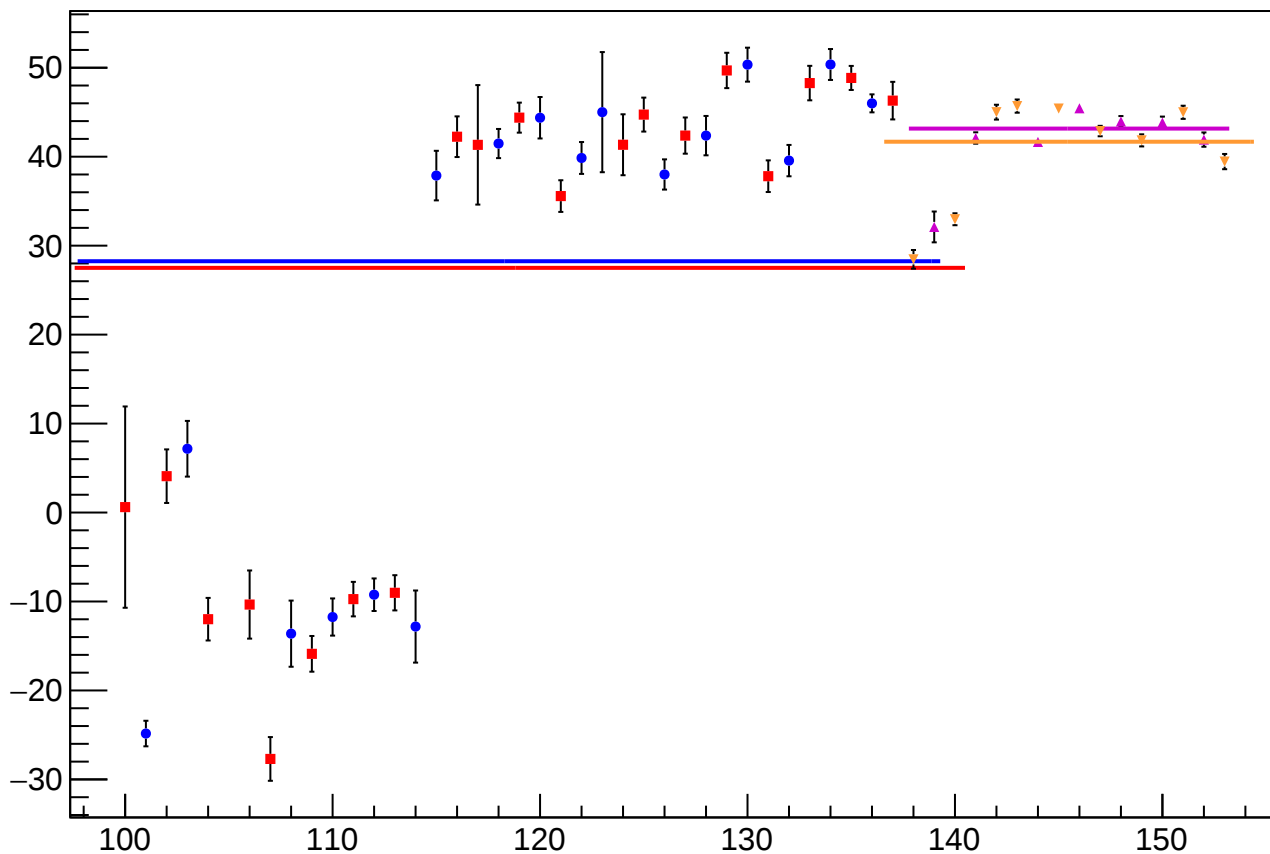
Right Out: -64.588 ± 0.749 χ^2/NDF : 445.6/19

Left In: -65.417 ± 0.289 χ^2/NDF : 1450.1/6

-65.225 ± 0.266 χ^2/NDF : 1429.5/25

-65.310 ± 0.270 χ^2/NDF : 1896.8/26

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.250 $\pm$ 0.460 χ^2 /NDF: 3319.5/16

Left Out: 41.683 $\pm$ 0.236 χ^2 /NDF: 450.1/8

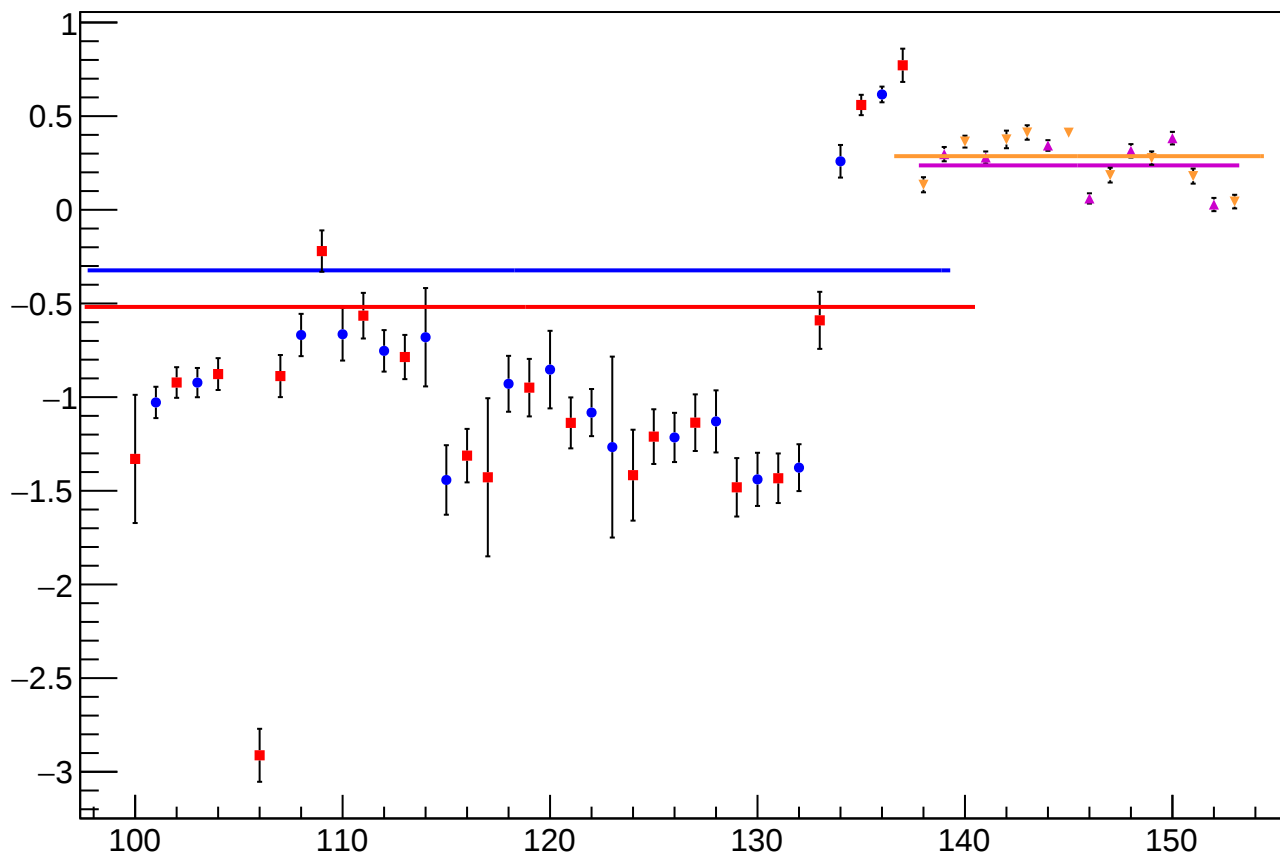
Right Out: 27.505 $\pm$ 0.478 χ^2 /NDF: 3036.7/19

Left In: 43.159 $\pm$ 0.240 χ^2 /NDF: 79.9/6

38.889 $\pm$ 0.210 χ^2 /NDF: 4444.7/25

40.003 $\pm$ 0.214 χ^2 /NDF: 3974.4/26

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.323 ± 0.025 χ^2/NDF : 1010.8/16

Left Out: 0.286 ± 0.012 χ^2/NDF : 119.4/8

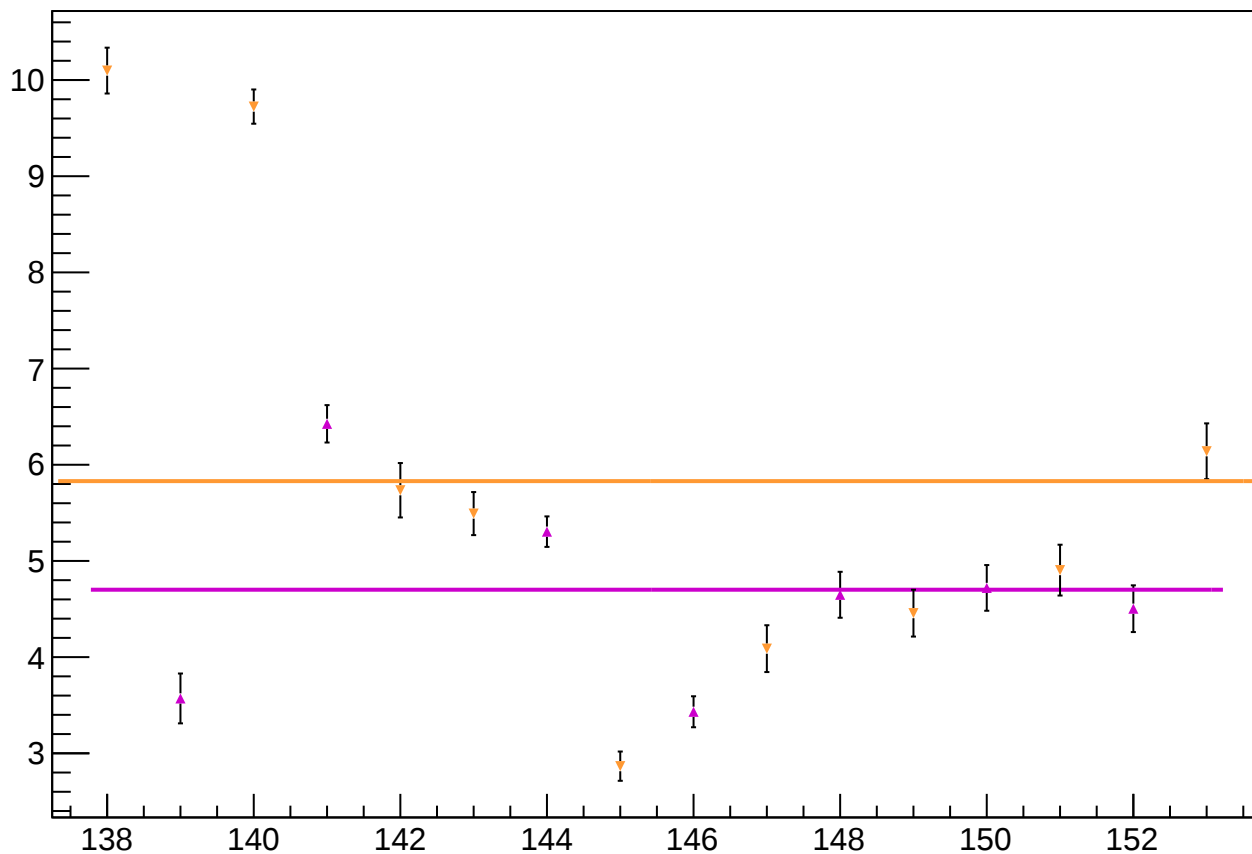
Right Out: -0.518 ± 0.026 χ^2/NDF : 1165.5/19

Left In: 0.237 ± 0.012 χ^2/NDF : 117.7/6

0.176 ± 0.011 χ^2/NDF : 1618.5/25

0.097 ± 0.011 χ^2/NDF : 1987.0/26

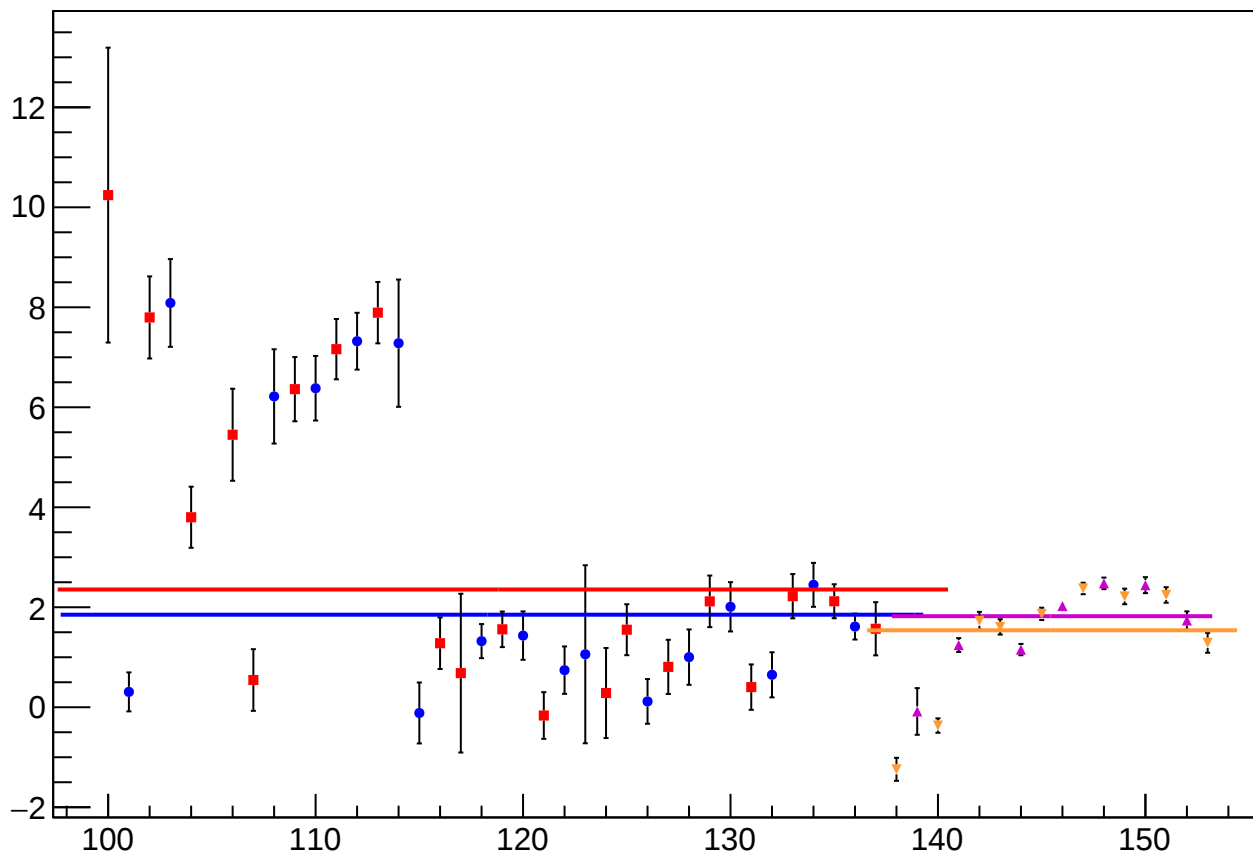
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.830 $\pm$ 0.074 χ^2 /NDF:1277.3/8
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.701 $\pm$ 0.076 χ^2 /NDF:174.9/6

5.830 $\pm$ 0.074 χ^2 /NDF: 1277.3/8
 4.701 $\pm$ 0.076 χ^2 /NDF: 174.9/6

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: 1.539 ± 0.051 χ^2/NDF : 423.5/8

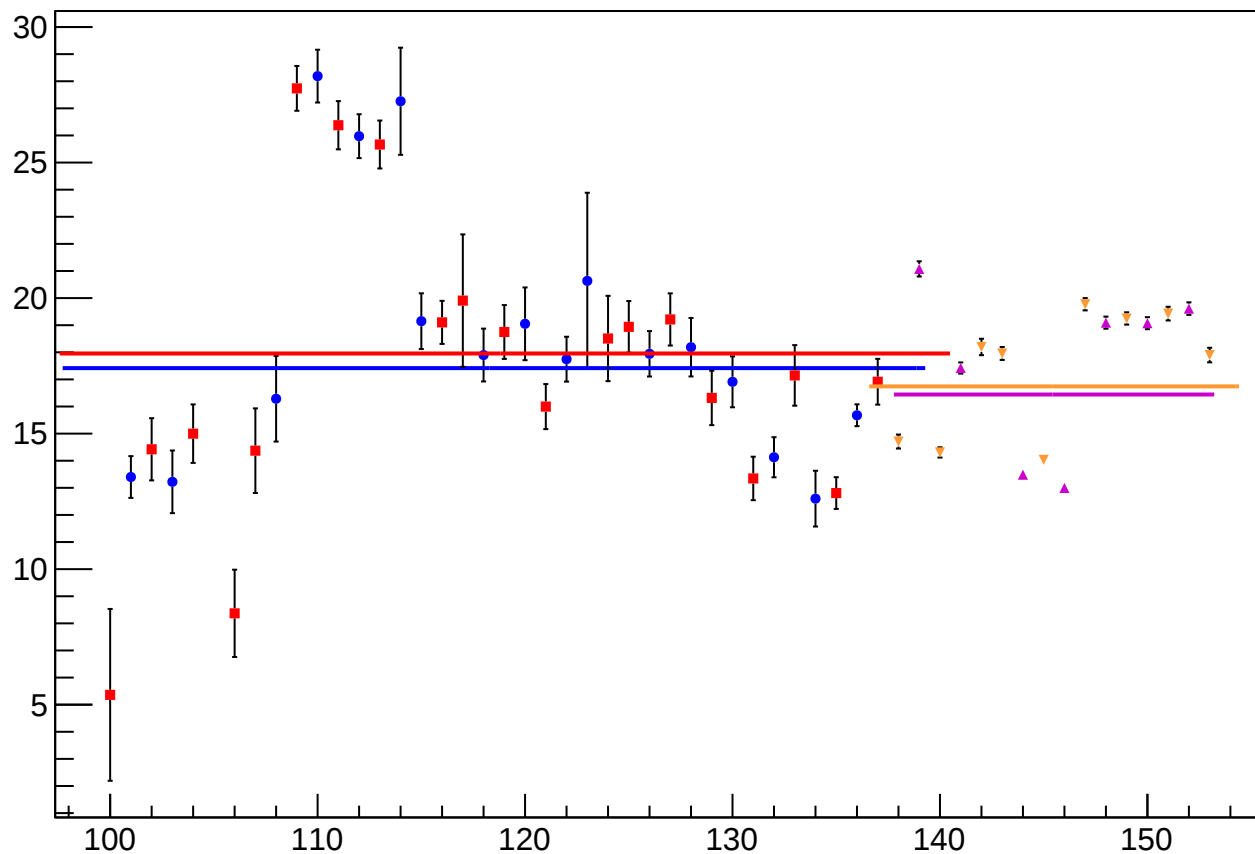
Right Out: 2.355 ± 0.122 χ^2/NDF : 337.4/19

Left In: 1.821 ± 0.051 χ^2/NDF : 120.7/6

1.588 ± 0.046 χ^2/NDF : 723.6/25

1.901 ± 0.047 χ^2/NDF : 474.3/26

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: 16.743 $\pm$ 0.075 χ^2/NDF : 986.9/8

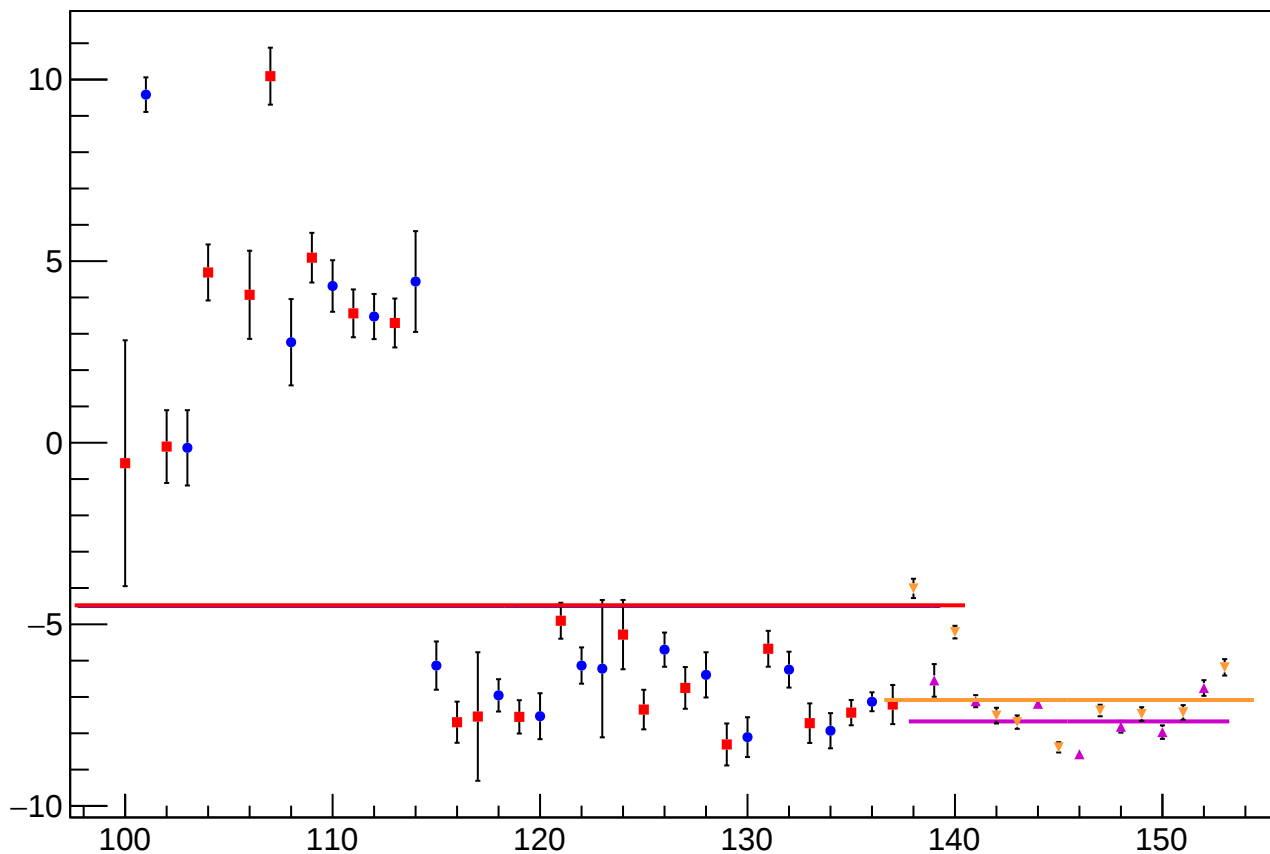
Right Out: 17.957 $\pm$ 0.218 χ^2/NDF : 506.2/19

Left In: 16.442 $\pm$ 0.076 χ^2/NDF : 1561.4/6

16.817 $\pm$ 0.071 χ^2/NDF : 1362.9/25

16.608 $\pm$ 0.072 χ^2/NDF : 2110.5/26

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: -7.084±0.062 χ^2/NDF : 373.9/8

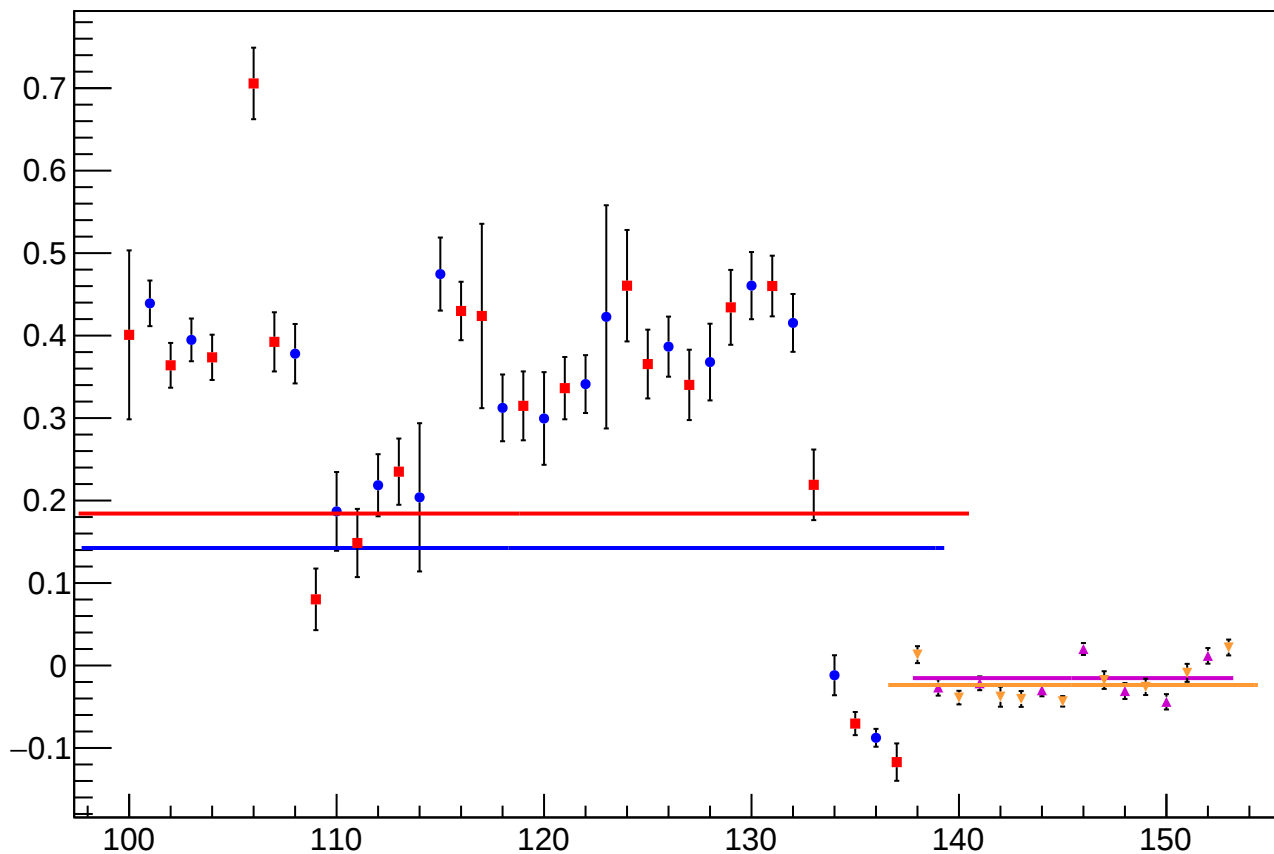
Right Out: -4.476±0.137 χ^2/NDF : 1342.0/19

Left In: -7.673±0.063 χ^2/NDF : 105.3/6

-6.605±0.056 χ^2/NDF : 2281.3/25

-7.109±0.057 χ^2/NDF : 1898.3/26

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: -0.024 $\pm$ 0.003 χ^2 /NDF: 55.0/8

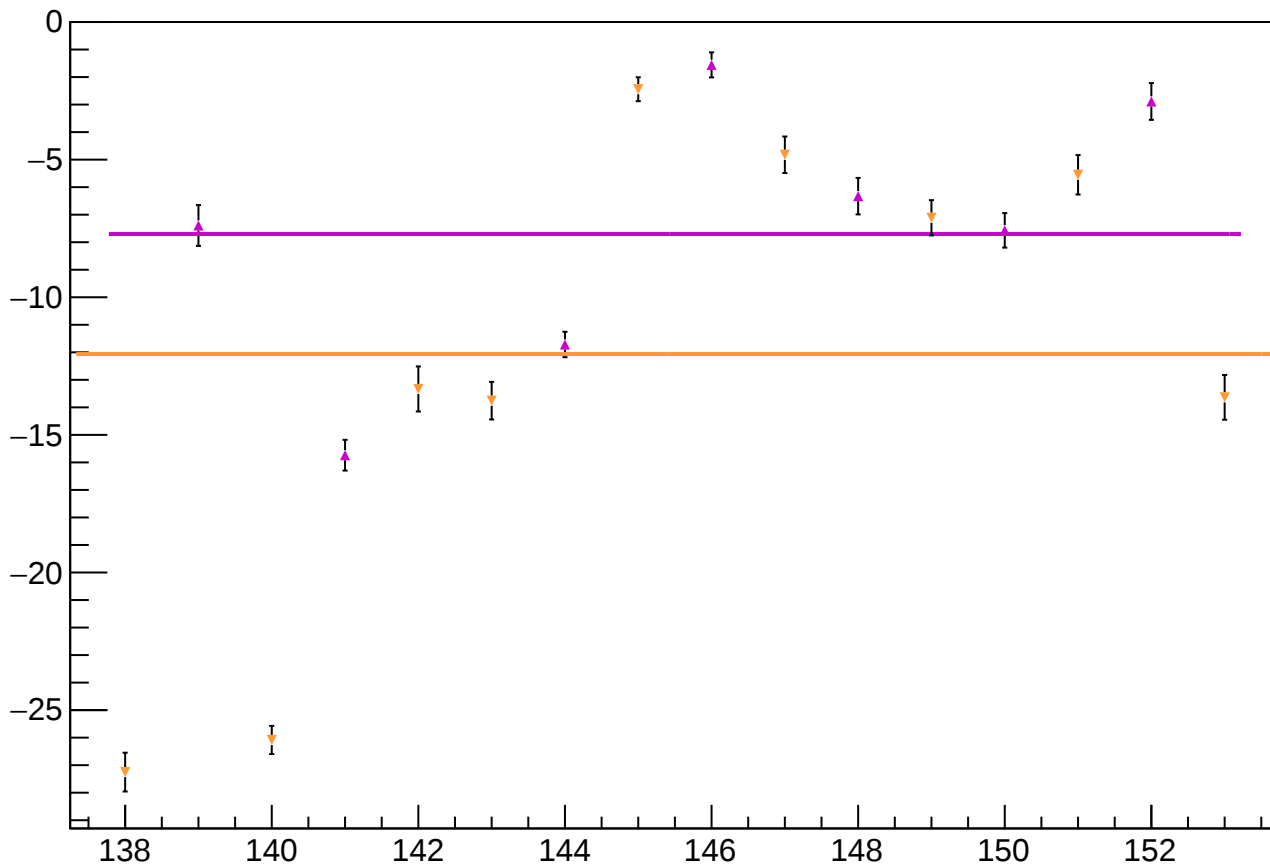
Right Out: 0.184 $\pm$ 0.007 χ^2 /NDF: 1005.5/19

Left In: -0.015 $\pm$ 0.003 χ^2 /NDF: 50.1/6

0.003 $\pm$ 0.003 χ^2 /NDF: 1577.4/25

0.017 $\pm$ 0.003 χ^2 /NDF: 1667.1/26

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



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

Left Out: -12.063+/-0.209 χ^2/NDF : 1983.9/8

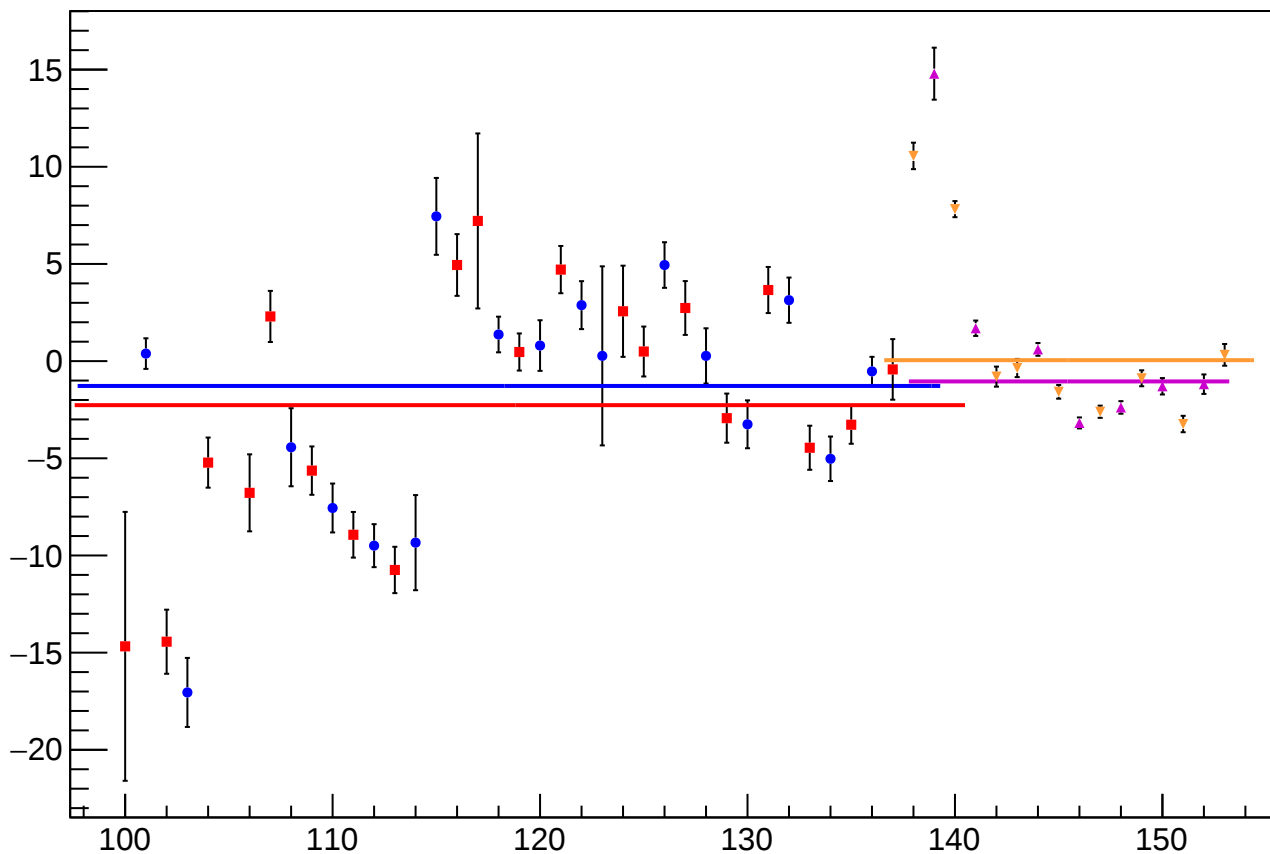
-12.063+/-0.209 χ^2/NDF : 1983.9/8

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

Left In: -7.703+/-0.215 χ^2/NDF : 521.8/6

-7.703+/-0.215 χ^2/NDF : 521.8/6

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -1.278 ± 0.292 χ^2/NDF : 276.5/16

-0.207 ± 0.128 χ^2/NDF : 1045.3/25

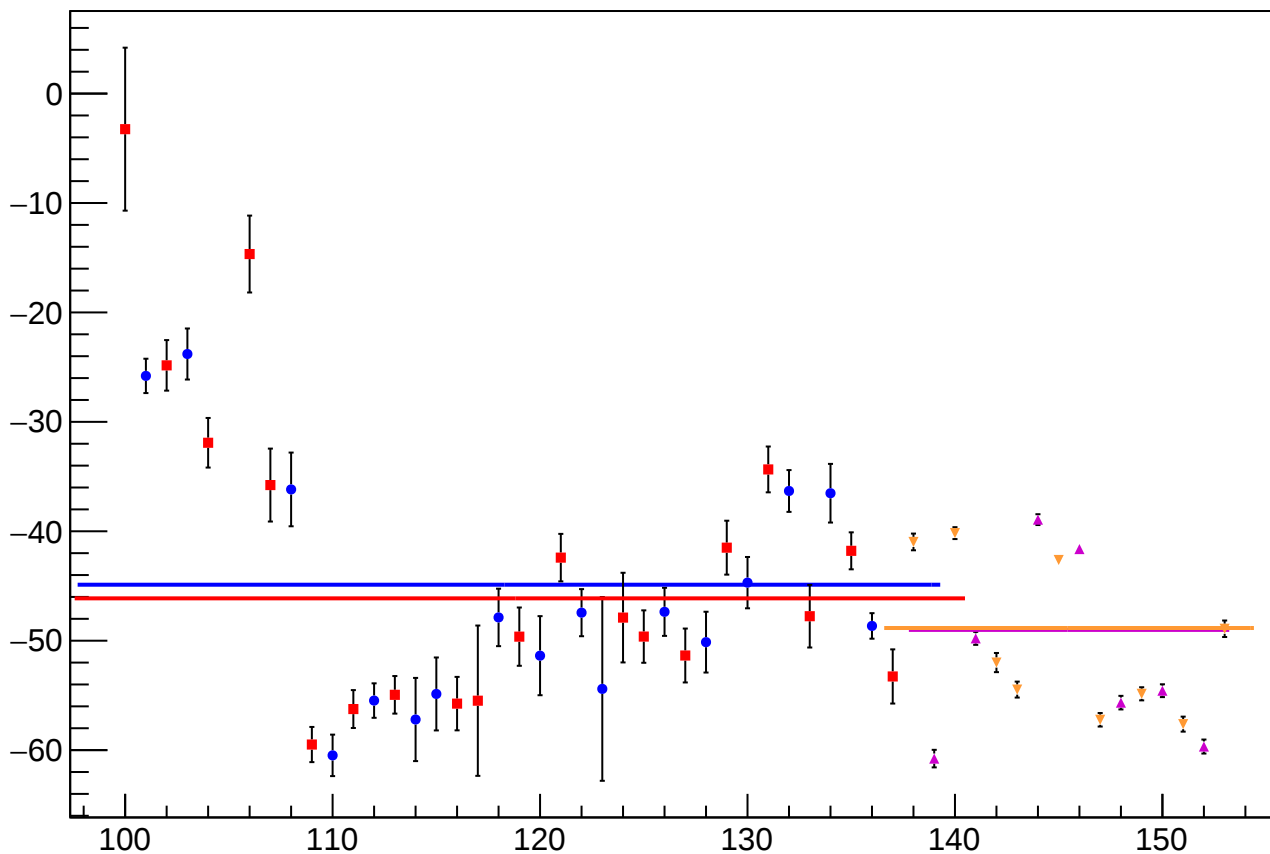
Left Out: 0.048 ± 0.143 χ^2/NDF : 752.2/8

Right Out: -2.266 ± 0.302 χ^2/NDF : 289.8/19

-1.273 ± 0.130 χ^2/NDF : 590.6/26

Left In: -1.045 ± 0.145 χ^2/NDF : 287.5/6

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -44.883 ± 0.524 $\chi^2/\text{NDF}: 421.0/16$

Left Out: -48.840 ± 0.212 $\chi^2/\text{NDF}: 1064.1/8$

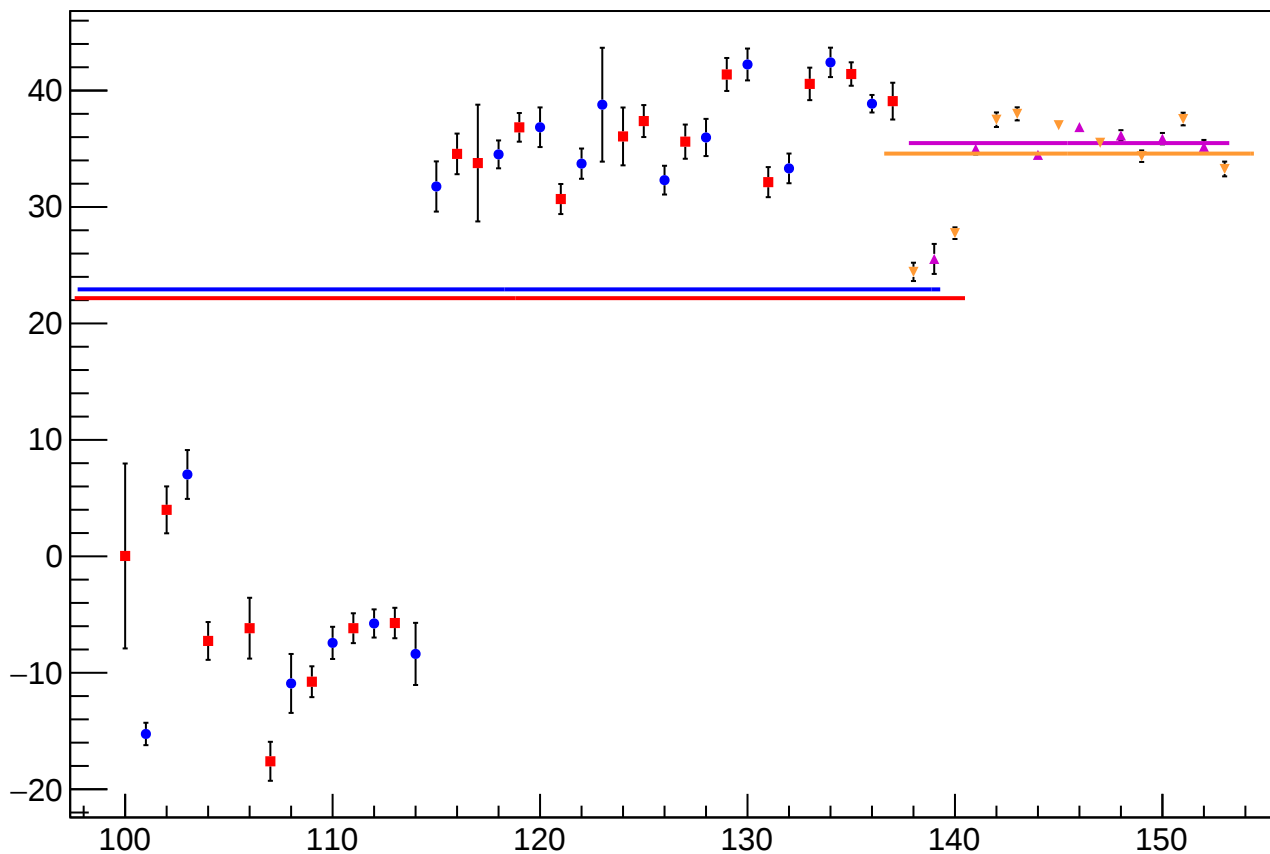
Right Out: -46.130 ± 0.527 $\chi^2/\text{NDF}: 456.1/19$

Left In: -49.013 ± 0.215 $\chi^2/\text{NDF}: 1399.8/6$

-48.285 ± 0.196 $\chi^2/\text{NDF}: 1534.0/25$

-48.602 ± 0.199 $\chi^2/\text{NDF}: 1881.6/26$

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.926+/-0.328 χ^2/NDF : 4330.2/16

Left Out: 34.586+/-0.175 χ^2/NDF : 485.7/8

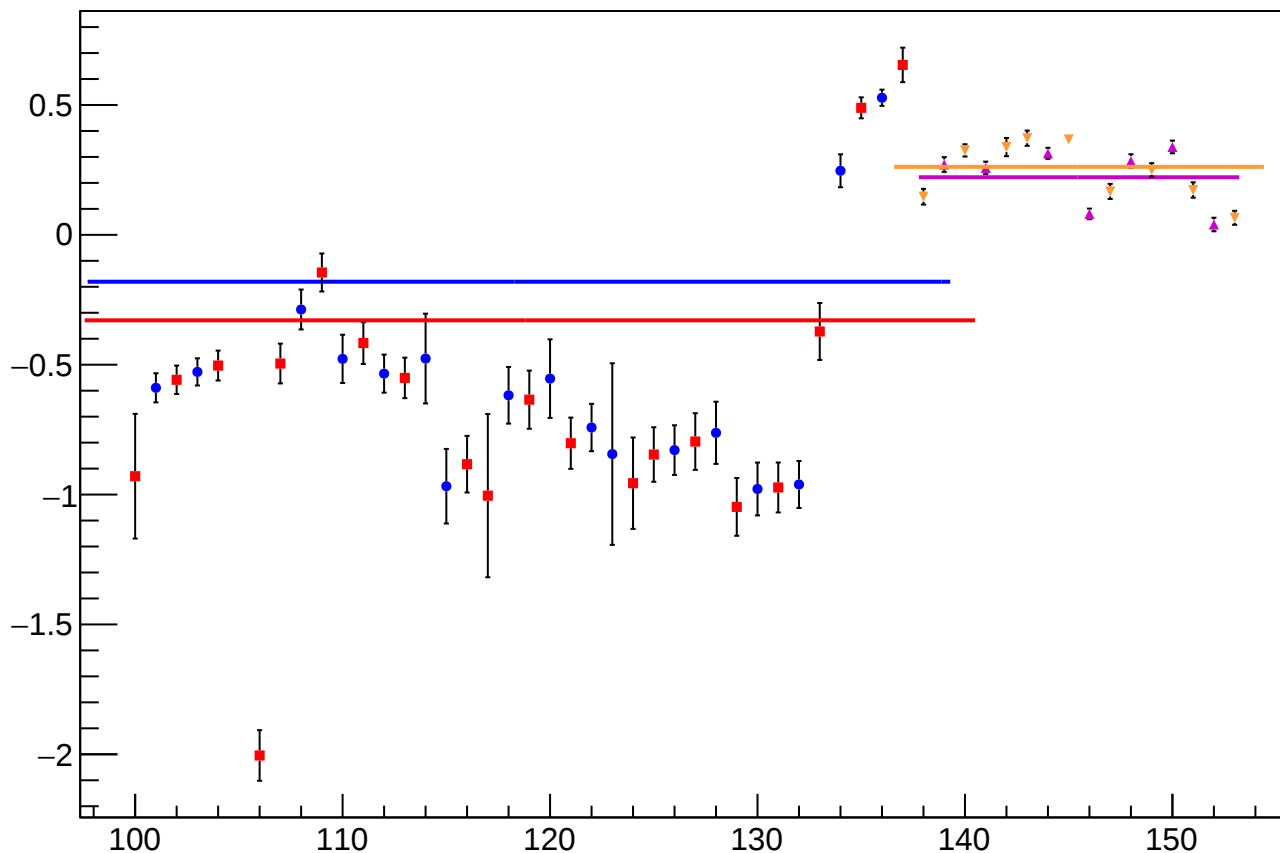
Right Out: 22.170+/-0.339 χ^2/NDF : 4038.8/19

Left In: 35.487+/-0.178 χ^2/NDF : 85.4/6

31.999+/-0.155 χ^2/NDF : 5798.8/25

32.600+/-0.158 χ^2/NDF : 5331.5/26

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.180 ± 0.018 χ^2/NDF : 995.7/16

Left Out: 0.262 ± 0.009 χ^2/NDF : 147.4/8

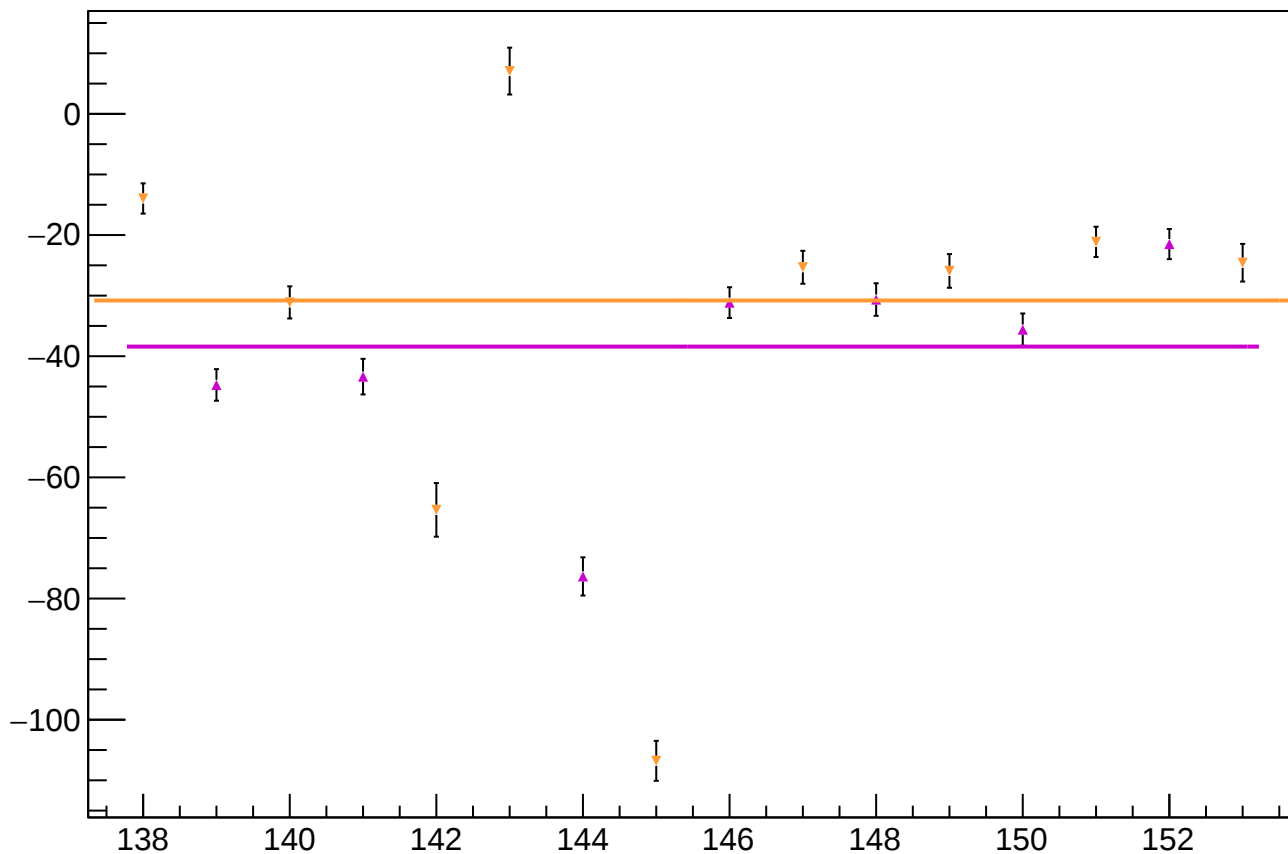
Right Out: -0.329 ± 0.018 χ^2/NDF : 1180.2/19

Left In: 0.222 ± 0.009 χ^2/NDF : 148.2/6

0.176 ± 0.008 χ^2/NDF : 1641.9/25

0.111 ± 0.008 χ^2/NDF : 2063.6/26

reg_asym_atl1_diff_bpm1X_slope vs Slug



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

Left Out: -30.802 $\pm$ 0.980 χ^2 /NDF:759.8/8

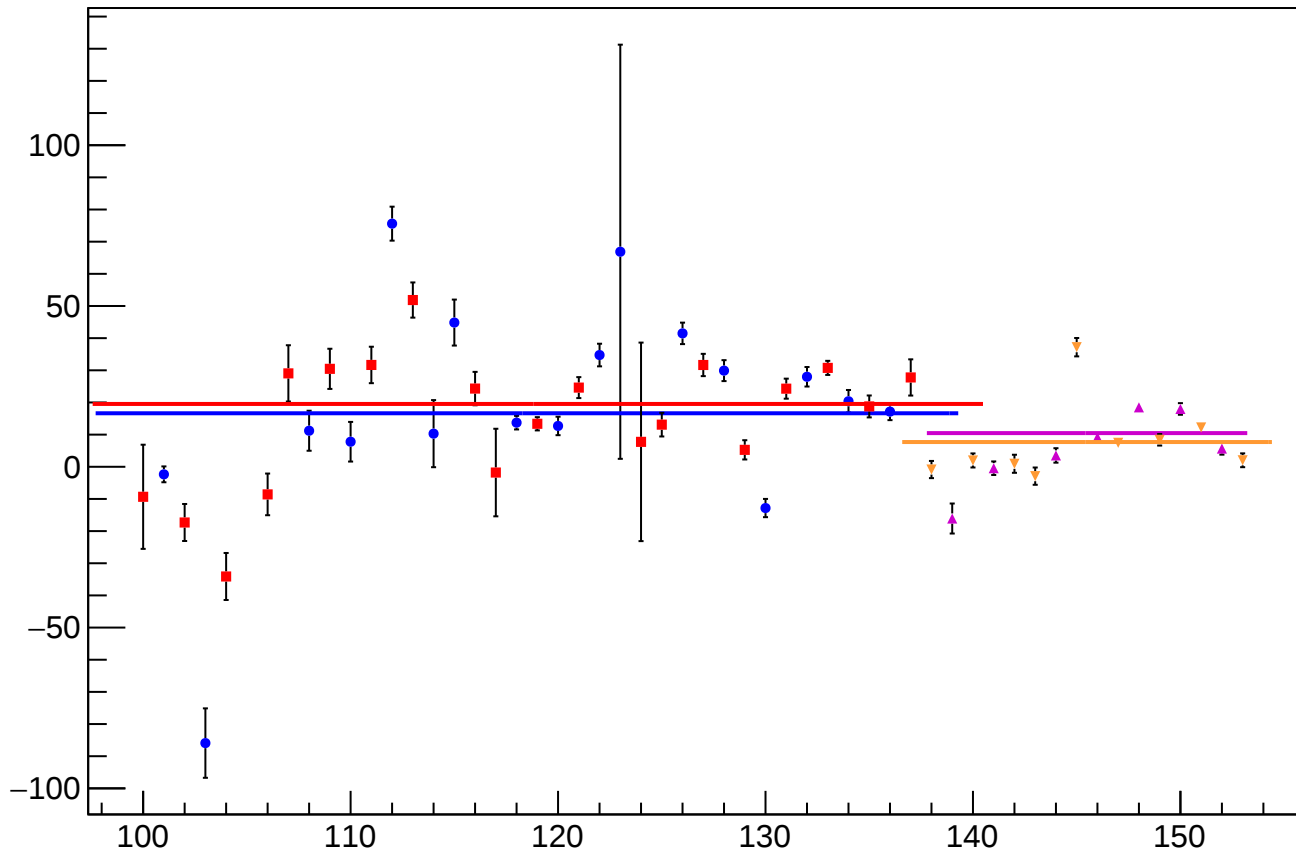
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -38.413 $\pm$ 1.021 χ^2 /NDF:217.3/6

-30.802 $\pm$ 0.980 χ^2 /NDF: 759.8/8

-38.413 $\pm$ 1.021 χ^2 /NDF: 217.3/6

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 16.641 ± 0.859 χ^2/NDF : 518.9/16

Left Out: 7.697 ± 0.650 χ^2/NDF : 162.4/8

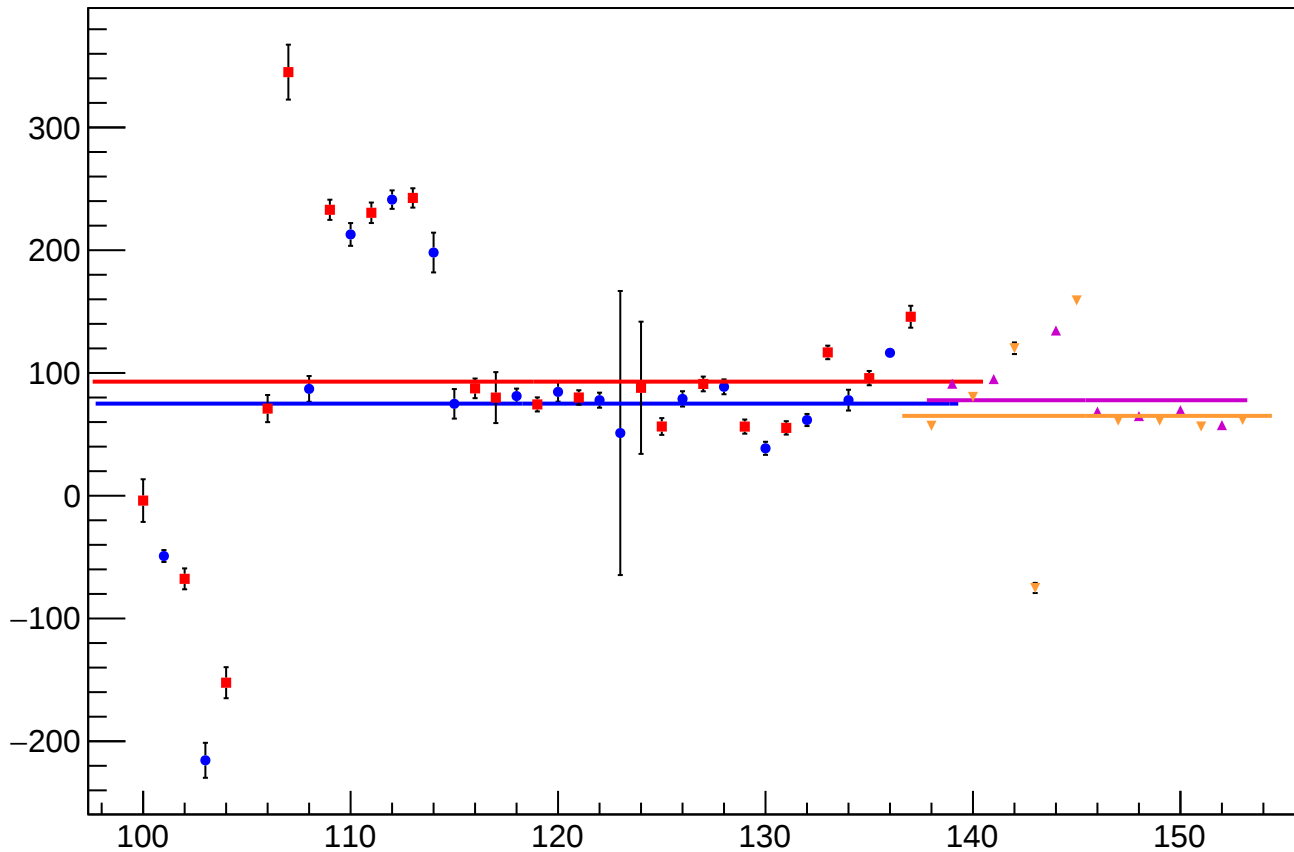
Right Out: 19.540 ± 0.894 χ^2/NDF : 244.1/19

Left In: 10.474 ± 0.690 χ^2/NDF : 130.9/6

10.956 ± 0.518 χ^2/NDF : 750.3/25

13.860 ± 0.547 χ^2/NDF : 439.4/26

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 75.032 ± 1.647 χ^2/NDF : 1999.7/16

Left Out: 65.051 ± 0.977 χ^2/NDF : 2101.7/8

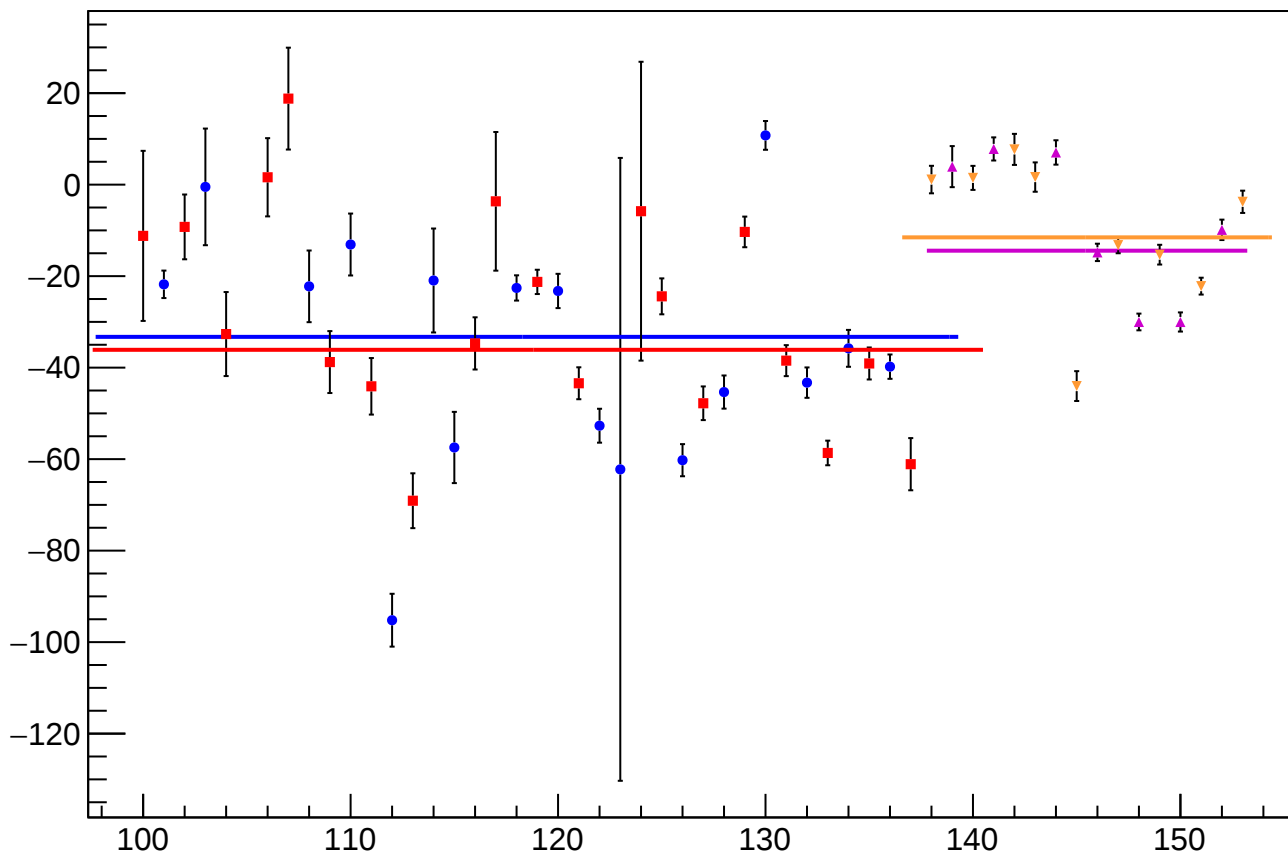
Right Out: 92.940 ± 1.706 χ^2/NDF : 2004.0/19

Left In: 77.788 ± 1.011 χ^2/NDF : 460.3/6

67.649 ± 0.840 χ^2/NDF : 4128.6/25

81.727 ± 0.870 χ^2/NDF : 2522.7/26

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -33.272 ± 0.982 χ^2/NDF : 489.4/16

Left Out: -11.523 ± 0.809 χ^2/NDF : 238.1/8

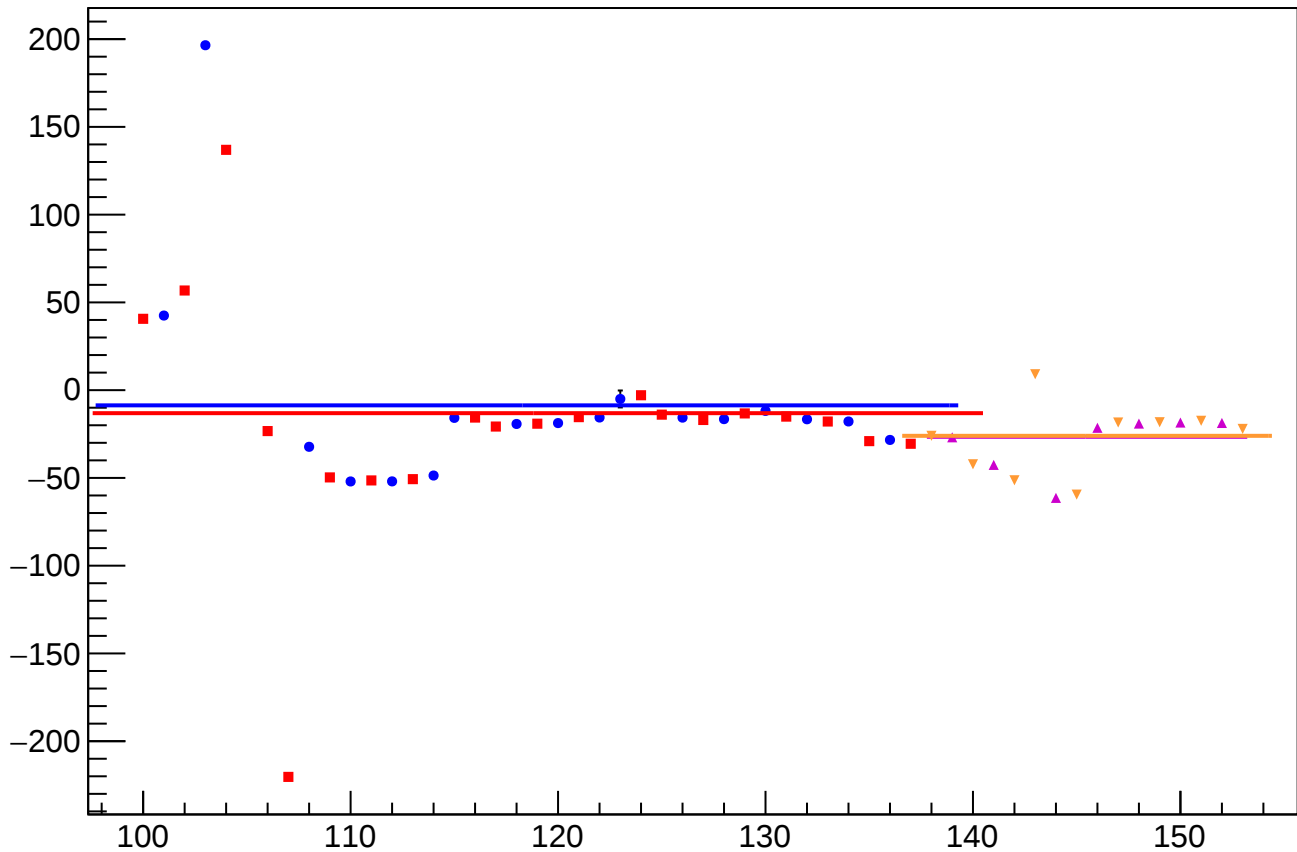
Right Out: -36.103 ± 1.022 χ^2/NDF : 302.3/19

Left In: -14.436 ± 0.860 χ^2/NDF : 291.5/6

-20.318 ± 0.624 χ^2/NDF : 1019.7/25

-23.417 ± 0.658 χ^2/NDF : 857.1/26

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -8.657 ± 0.059 χ^2/NDF : 575742.7/16

Left Out: -26.016 ± 0.040 χ^2/NDF : 158833.4/8

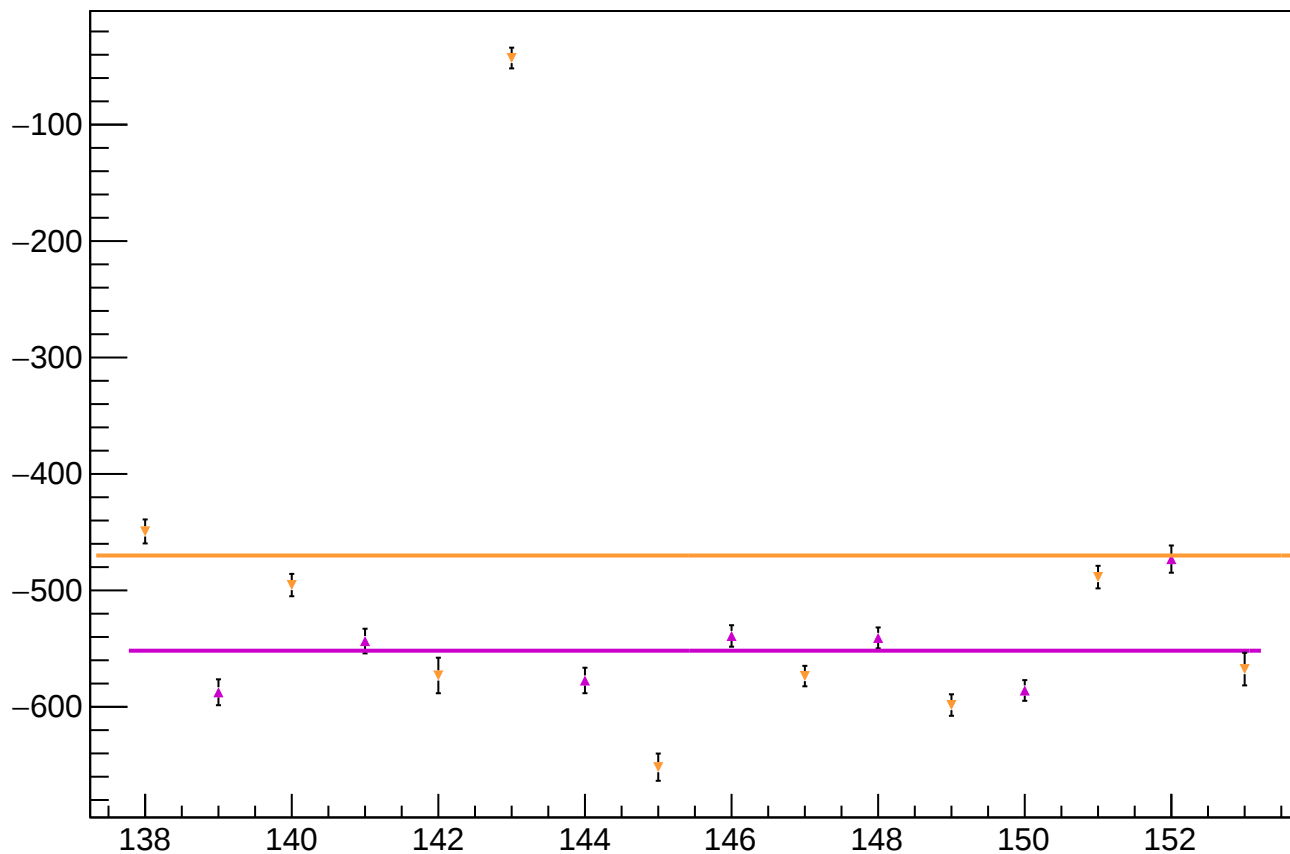
Right Out: -13.109 ± 0.062 χ^2/NDF : 558383.6/19

Left In: -26.579 ± 0.042 χ^2/NDF : 91172.7/6

-20.482 ± 0.033 χ^2/NDF : 793380.5/25

-22.343 ± 0.035 χ^2/NDF : 682230.8/26

reg_asym_atl2_diff_bpm1X_slope vs Slug



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

Left Out: -470.028+/-3.431 χ^2/NDF : 2987.3/8

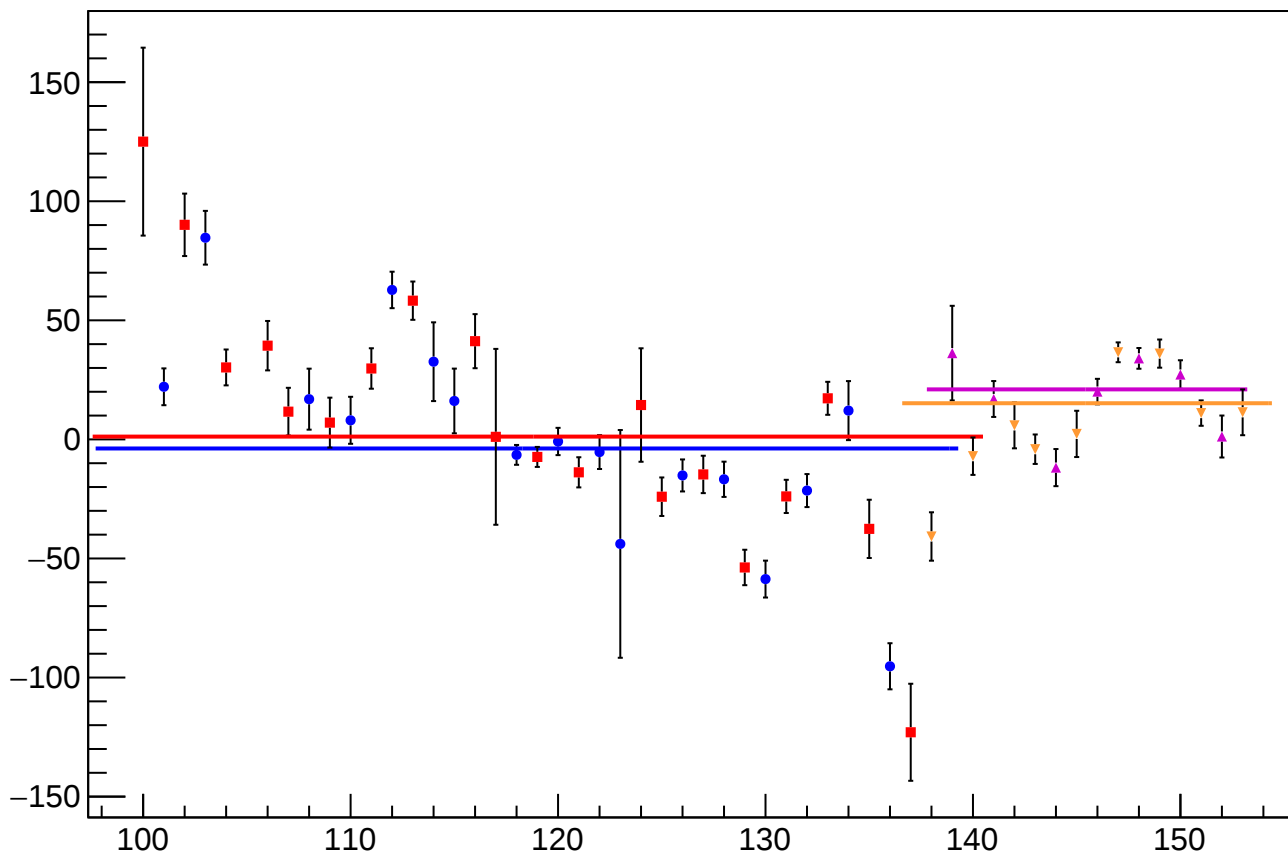
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -551.779+/-3.794 χ^2/NDF : 79.8/6

-470.028+/-3.431 χ^2/NDF : 2987.3/8

-551.779+/-3.794 χ^2/NDF : 79.8/6

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: -3.815 ± 1.923 χ^2/NDF : 314.3/16

Left Out: 15.186 ± 2.205 χ^2/NDF : 90.4/8

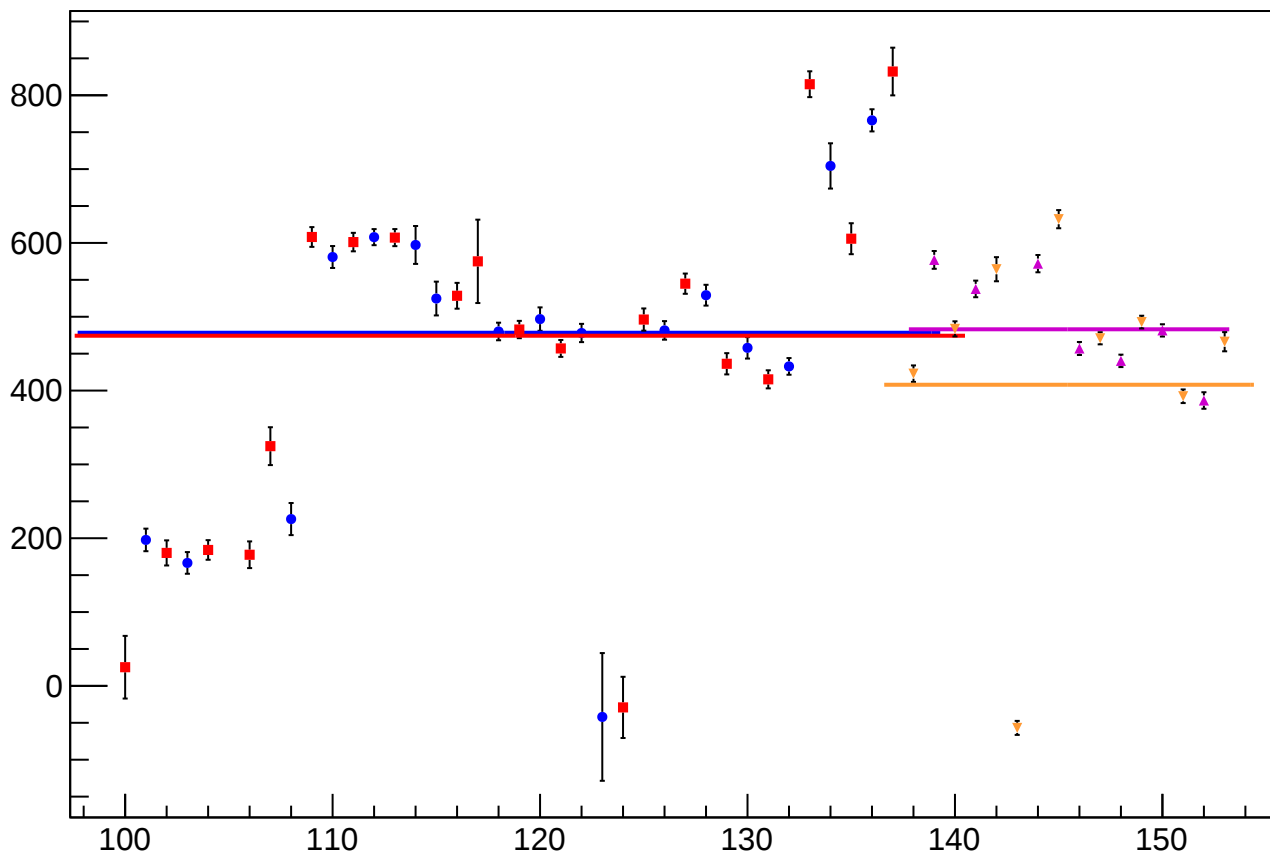
Right Out: 1.175 ± 1.911 χ^2/NDF : 303.9/19

Left In: 21.001 ± 2.463 χ^2/NDF : 33.7/6

4.394 ± 1.449 χ^2/NDF : 446.8/25

8.628 ± 1.510 χ^2/NDF : 378.0/26

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 478.334 ± 3.662 $\chi^2/\text{NDF}: 1628.8/16$

Left Out: 407.891 ± 3.430 $\chi^2/\text{NDF}: 3053.2/8$

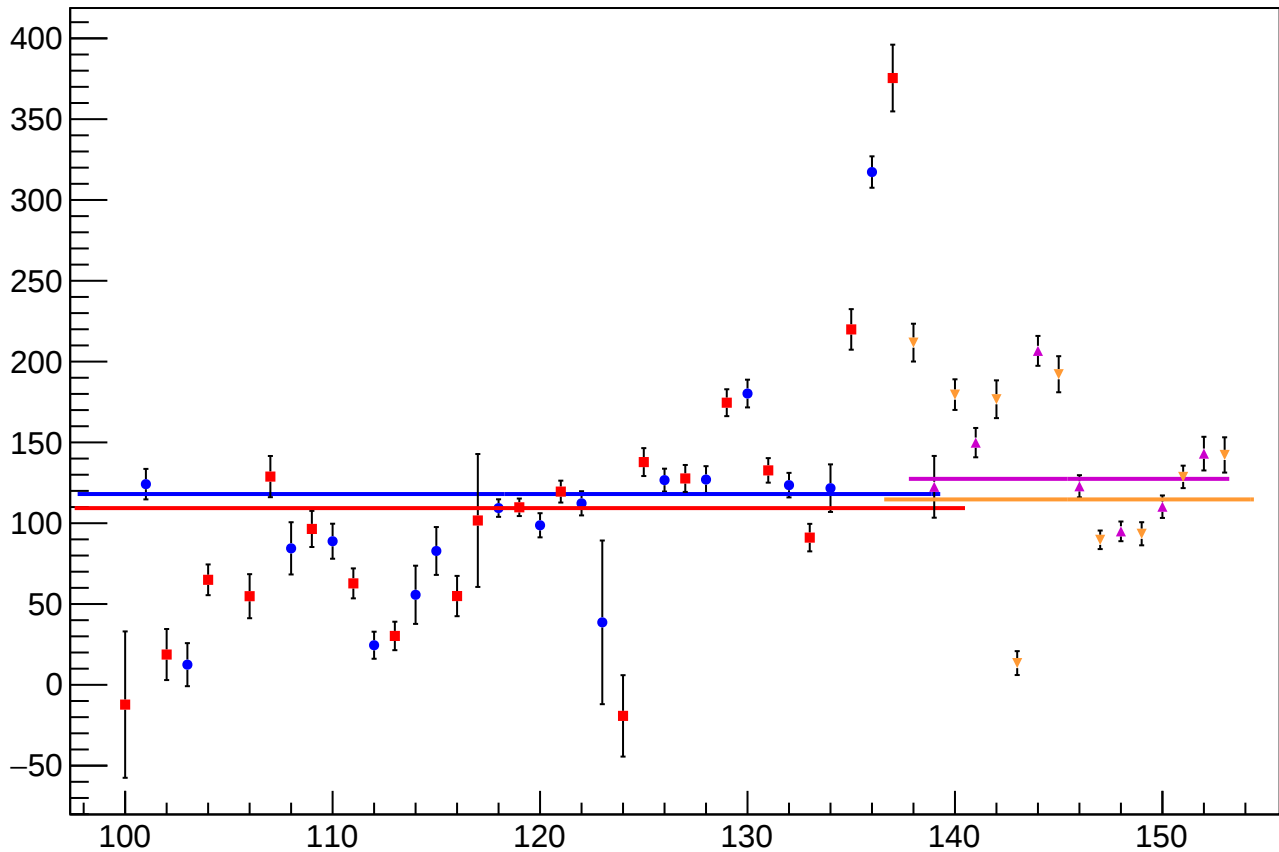
Right Out: 474.296 ± 3.524 $\chi^2/\text{NDF}: 2288.2/19$

Left In: 483.006 ± 3.740 $\chi^2/\text{NDF}: 250.8/6$

440.812 ± 2.503 $\chi^2/\text{NDF}: 4879.1/25$

478.392 ± 2.565 $\chi^2/\text{NDF}: 2541.9/26$

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 118.055 $\pm$ 2.225 χ^2/NDF : 705.3/16

Left Out: 114.726 $\pm$ 2.762 χ^2/NDF : 417.5/8

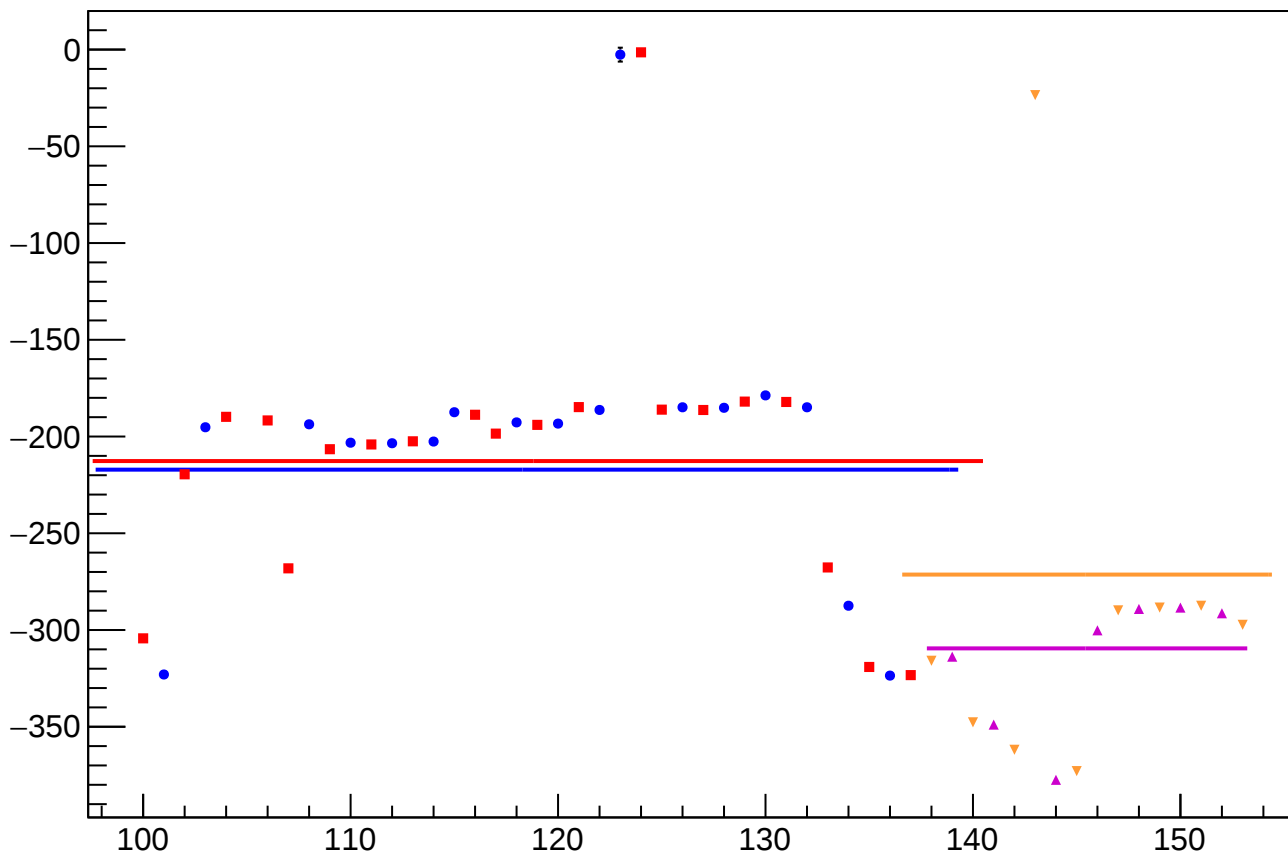
Right Out: 109.345 $\pm$ 2.202 χ^2/NDF : 569.8/19

Left In: 127.443 $\pm$ 3.091 χ^2/NDF : 116.7/6

116.744 $\pm$ 1.733 χ^2/NDF : 1123.7/25

115.435 $\pm$ 1.793 χ^2/NDF : 709.3/26

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -217.120 ± 0.137 $\chi^2/\text{NDF}: 146559.7/16$

Left Out: -271.349 ± 0.144 $\chi^2/\text{NDF}: 536110.7/8$

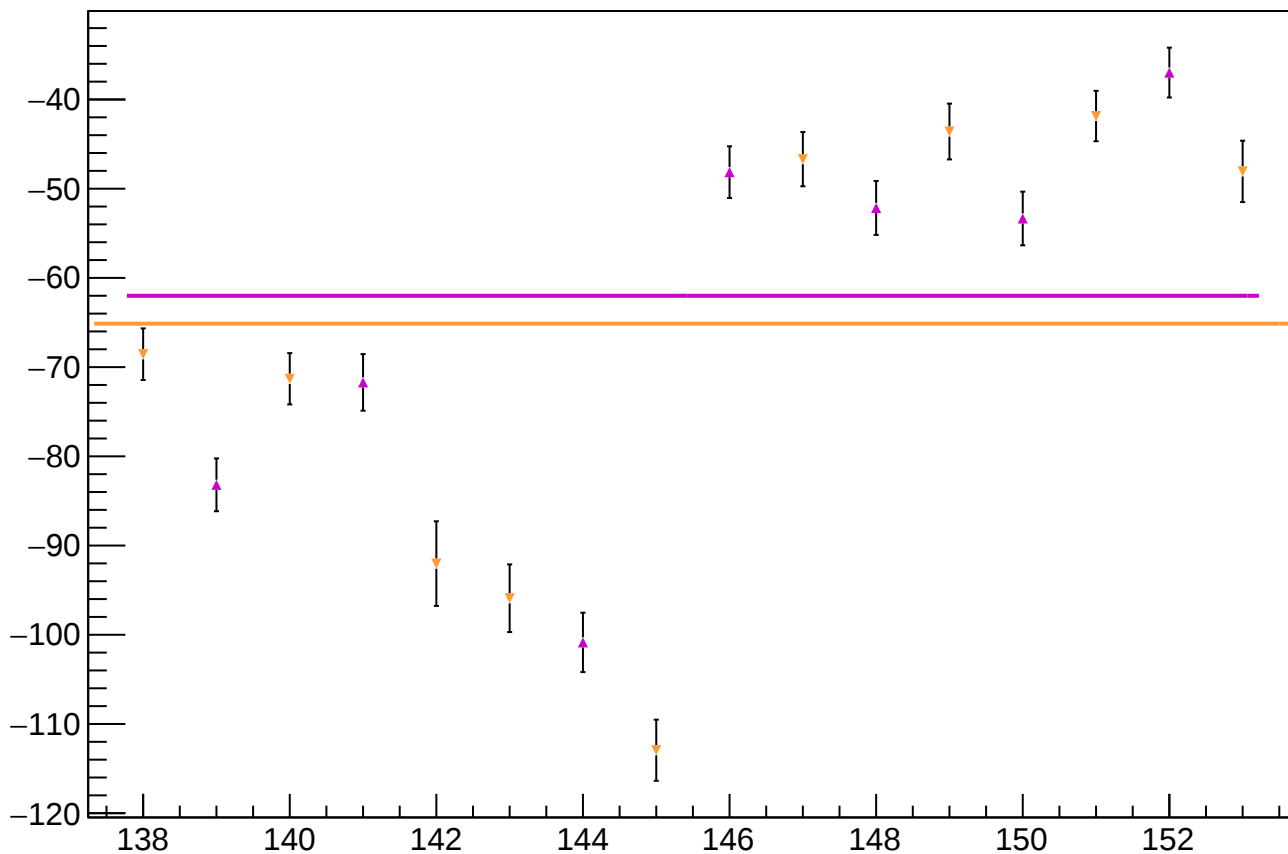
Right Out: -212.679 ± 0.130 $\chi^2/\text{NDF}: 115596.4/19$

Left In: -309.497 ± 0.156 $\chi^2/\text{NDF}: 34082.1/6$

-242.804 ± 0.099 $\chi^2/\text{NDF}: 757342.8/25$

-252.258 ± 0.100 $\chi^2/\text{NDF}: 376379.4/26$

reg_asym_atr1_diff_bpm1X_slope vs Slug



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

Left Out: -65.127+/-1.078 χ^2/NDF : 475.3/8

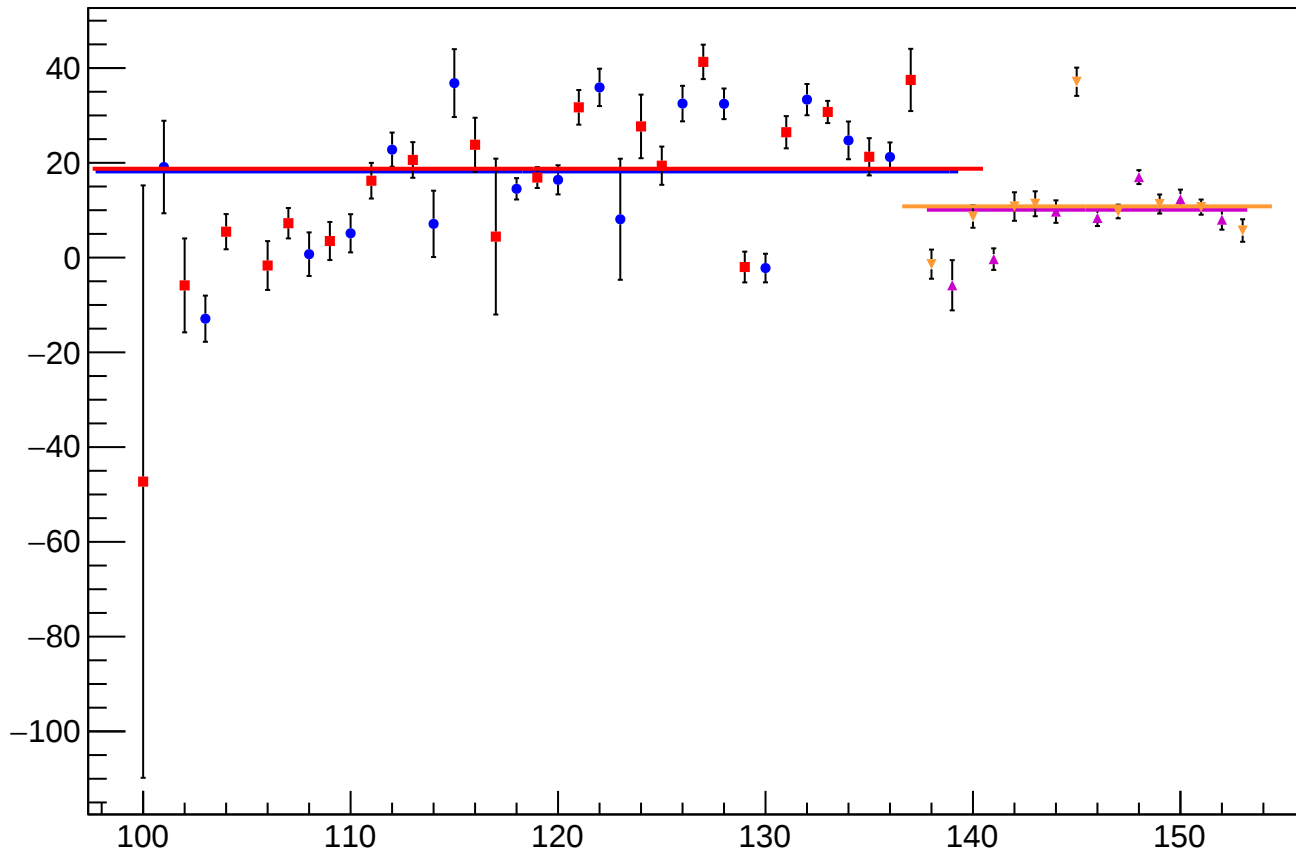
-65.127+/-1.078 χ^2/NDF : 475.3/8

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

-62.002+/-1.138 χ^2/NDF : 319.1/6

Left In: -62.002+/-1.138 χ^2/NDF : 319.1/6

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 18.188+/-0.917 χ^2/NDF : 204.9/16

Left Out: 10.814+/-0.717 χ^2/NDF : 99.6/8

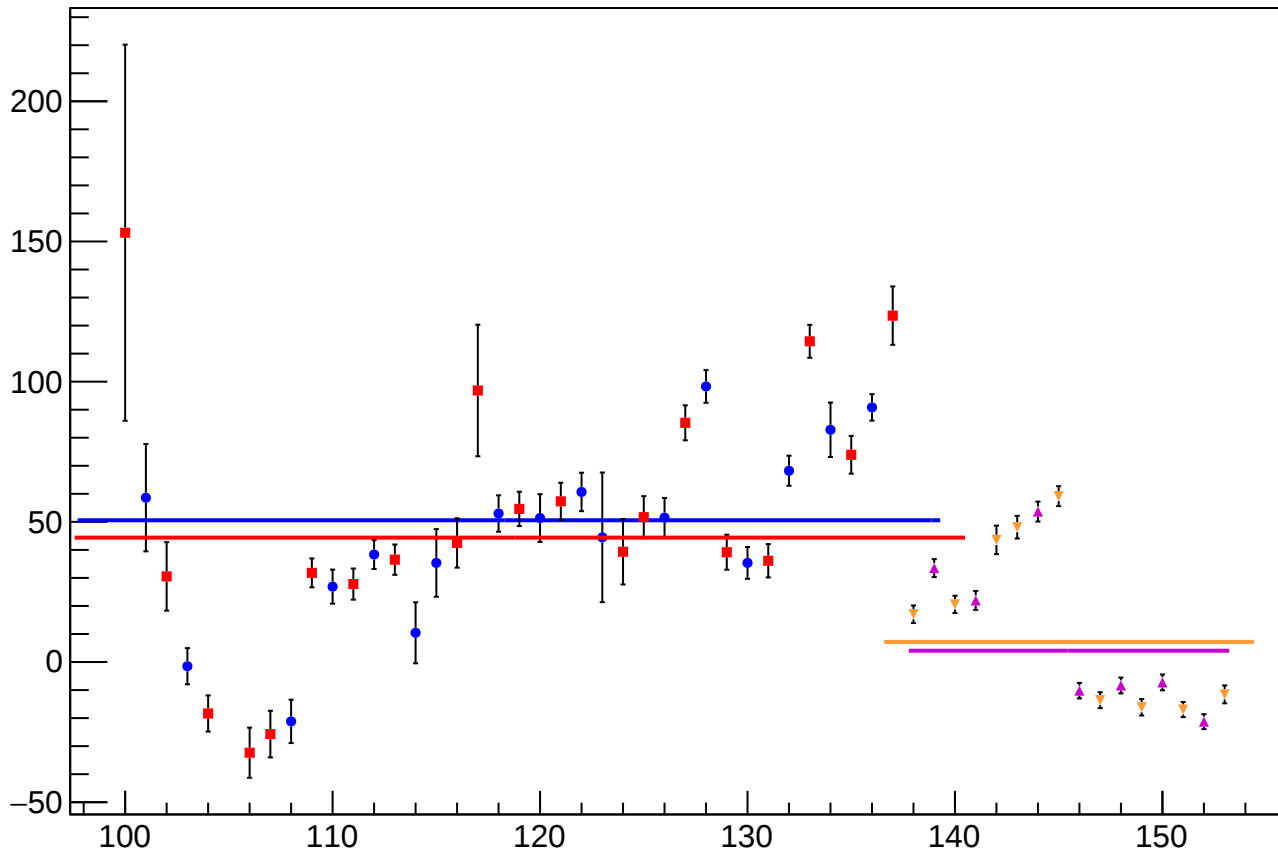
Right Out: 18.752+/-0.862 χ^2/NDF : 199.5/19

Left In: 10.104+/-0.772 χ^2/NDF : 55.2/6

13.612+/-0.565 χ^2/NDF : 344.6/25

13.956+/-0.575 χ^2/NDF : 310.6/26

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 50.565 $\pm$ 1.678 χ^2/NDF : 357.9/16

Left Out: 7.177 $\pm$ 1.076 χ^2/NDF : 626.9/8

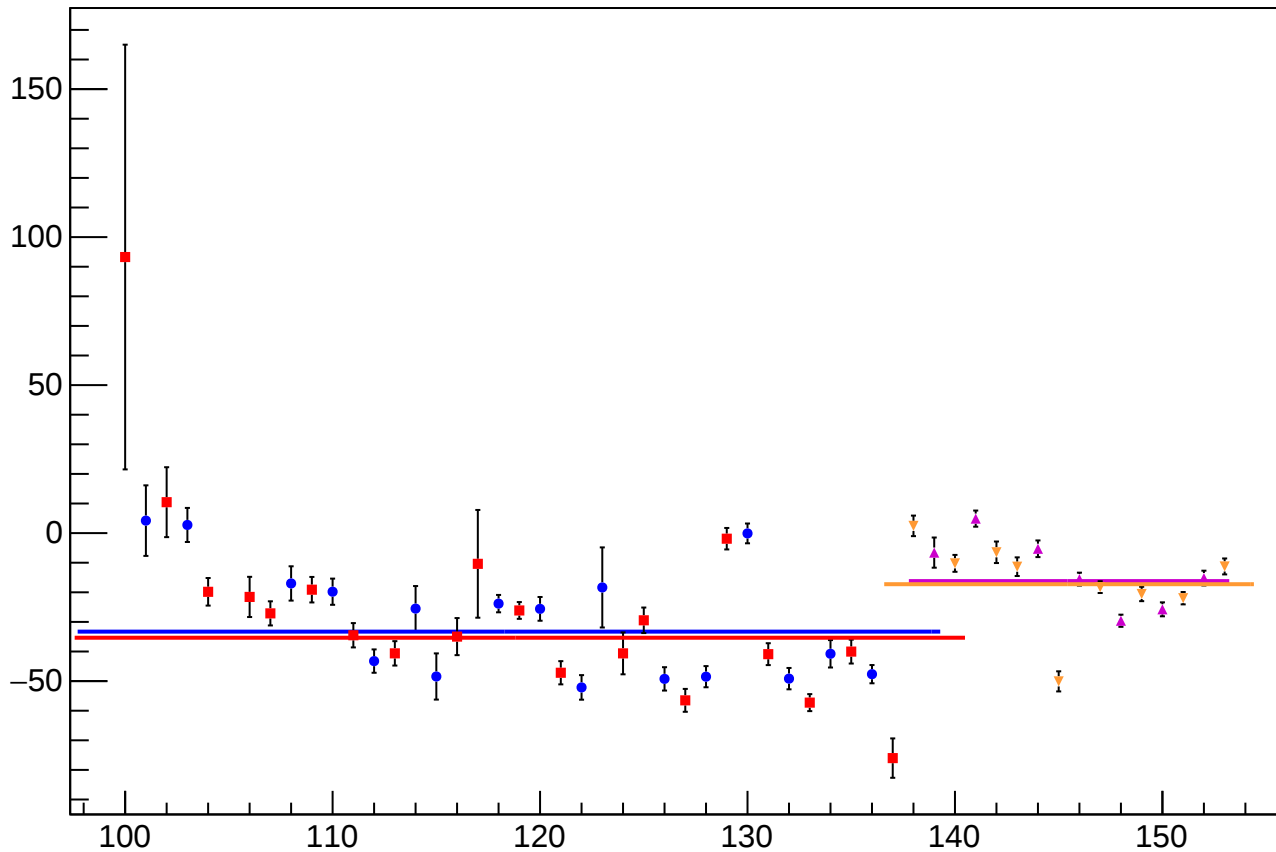
Right Out: 44.377 $\pm$ 1.599 χ^2/NDF : 537.6/19

Left In: 4.037 $\pm$ 1.129 χ^2/NDF : 458.4/6

19.832 $\pm$ 0.906 χ^2/NDF : 1458.6/25

17.453 $\pm$ 0.922 χ^2/NDF : 1420.9/26

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -17.260 ± 0.891 χ^2/NDF : 156.2/8

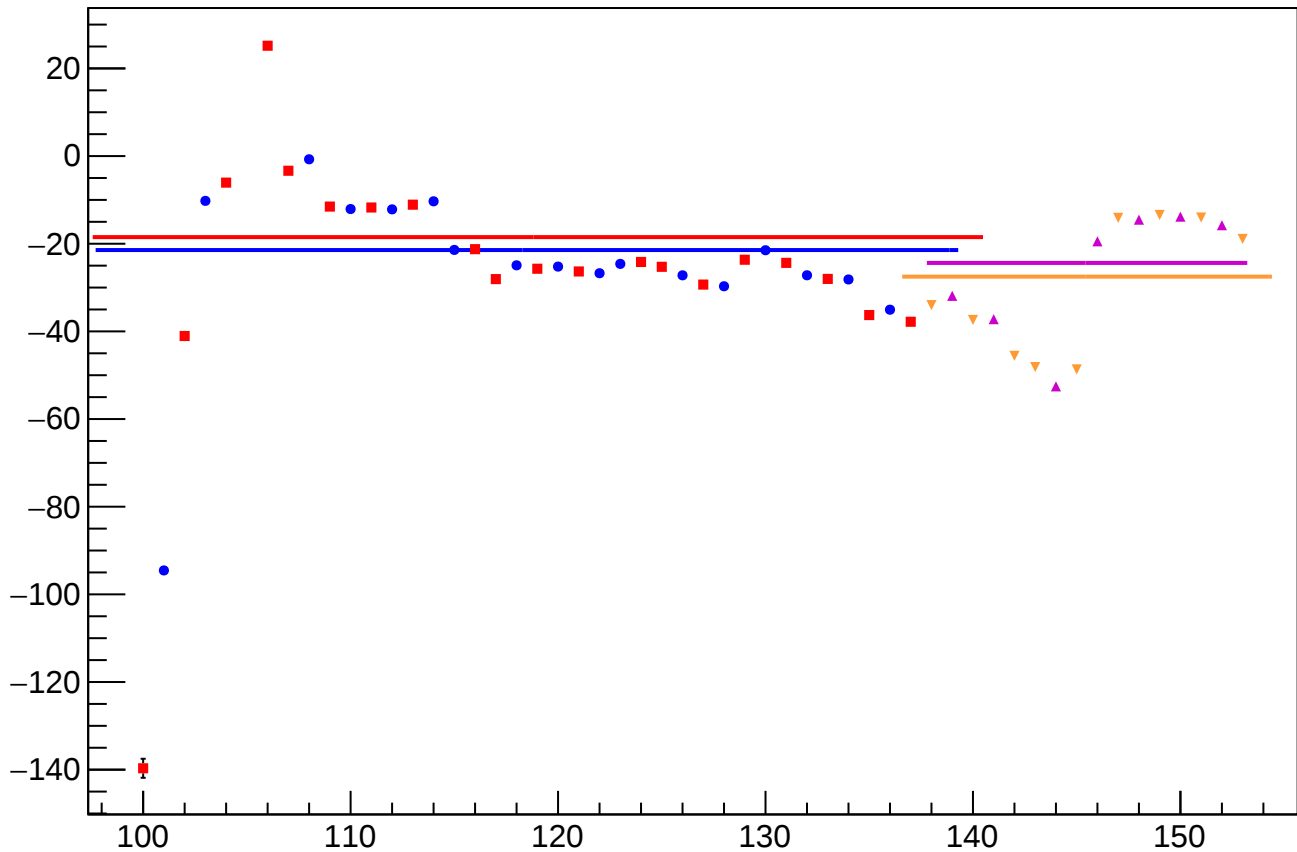
Right Out: -35.343 ± 0.990 χ^2/NDF : 291.6/19

Left In: -16.209 ± 0.959 χ^2/NDF : 137.6/6

-24.018 ± 0.678 χ^2/NDF : 582.6/25

-25.477 ± 0.689 χ^2/NDF : 621.9/26

reg_asym_atr1_diff_bpm12X_slope vs Slug



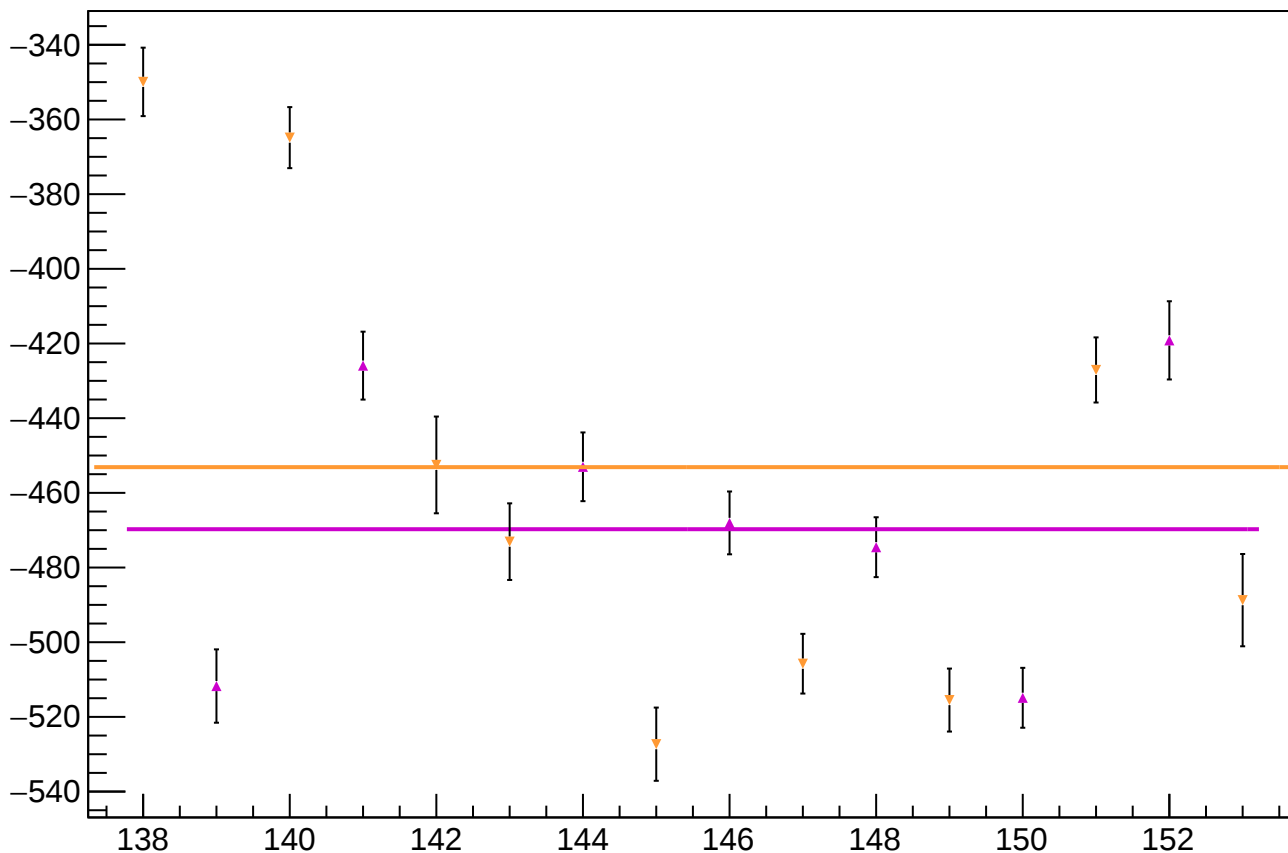
Right In: -21.442 ± 0.059 χ^2/NDF : 48968.5/16

Left Out: -25.303 ± 0.036 χ^2/NDF : 152311.9/25

Right Out: -18.490 ± 0.057 χ^2/NDF : 80549.5/19

Left In: -22.031 ± 0.036 χ^2/NDF : 155356.9/26

reg_asym_atr2_diff_bpm1X_slope vs Slug



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

Left Out: -453.113+/-3.129 χ^2/NDF : 419.6/8

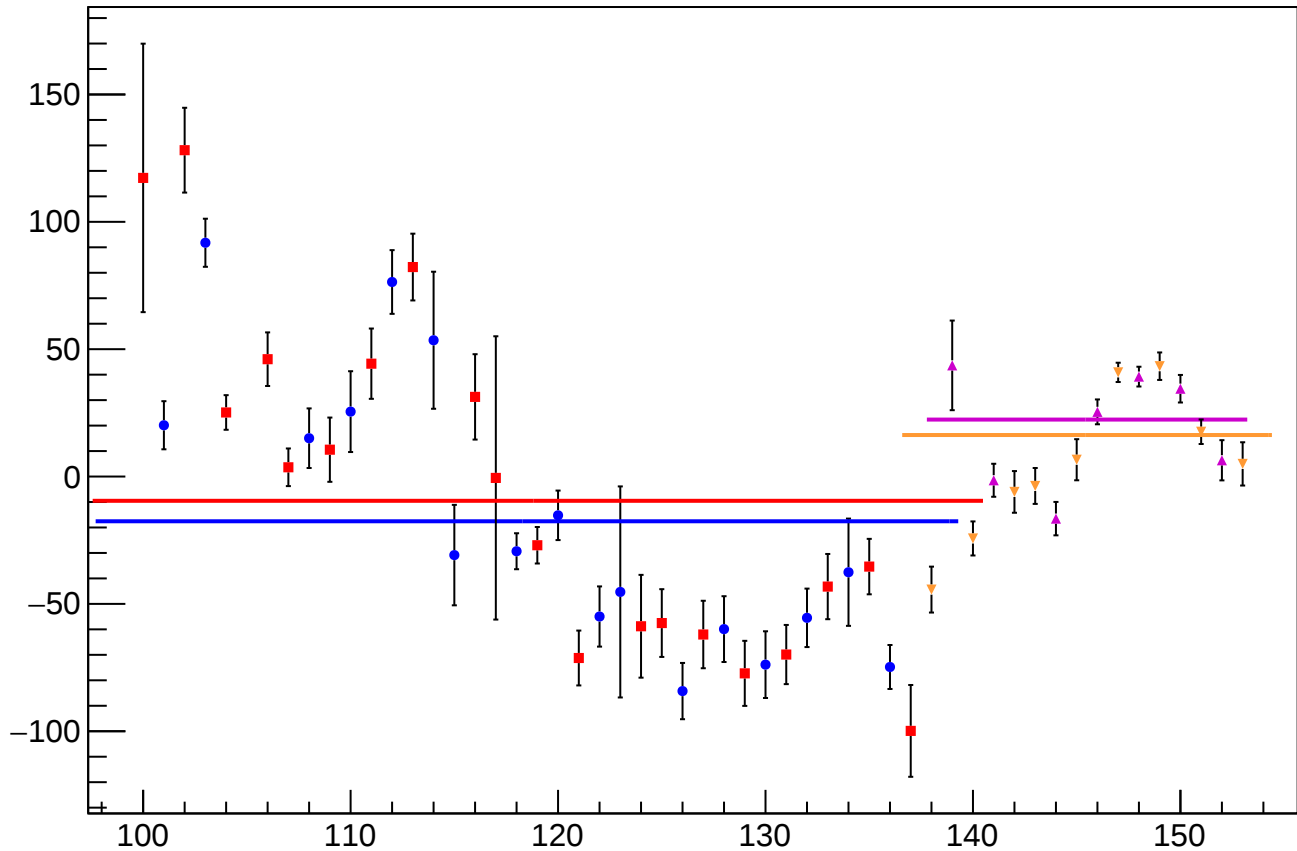
-453.113+/-3.129 χ^2/NDF : 419.6/8

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

-469.735+/-3.360 χ^2/NDF : 100.2/6

Left In: -469.735+/-3.360 χ^2/NDF : 100.2/6

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: -17.564 ± 2.820 χ^2/NDF : 363.7/16

Left Out: 16.299 ± 2.015 χ^2/NDF : 168.3/8

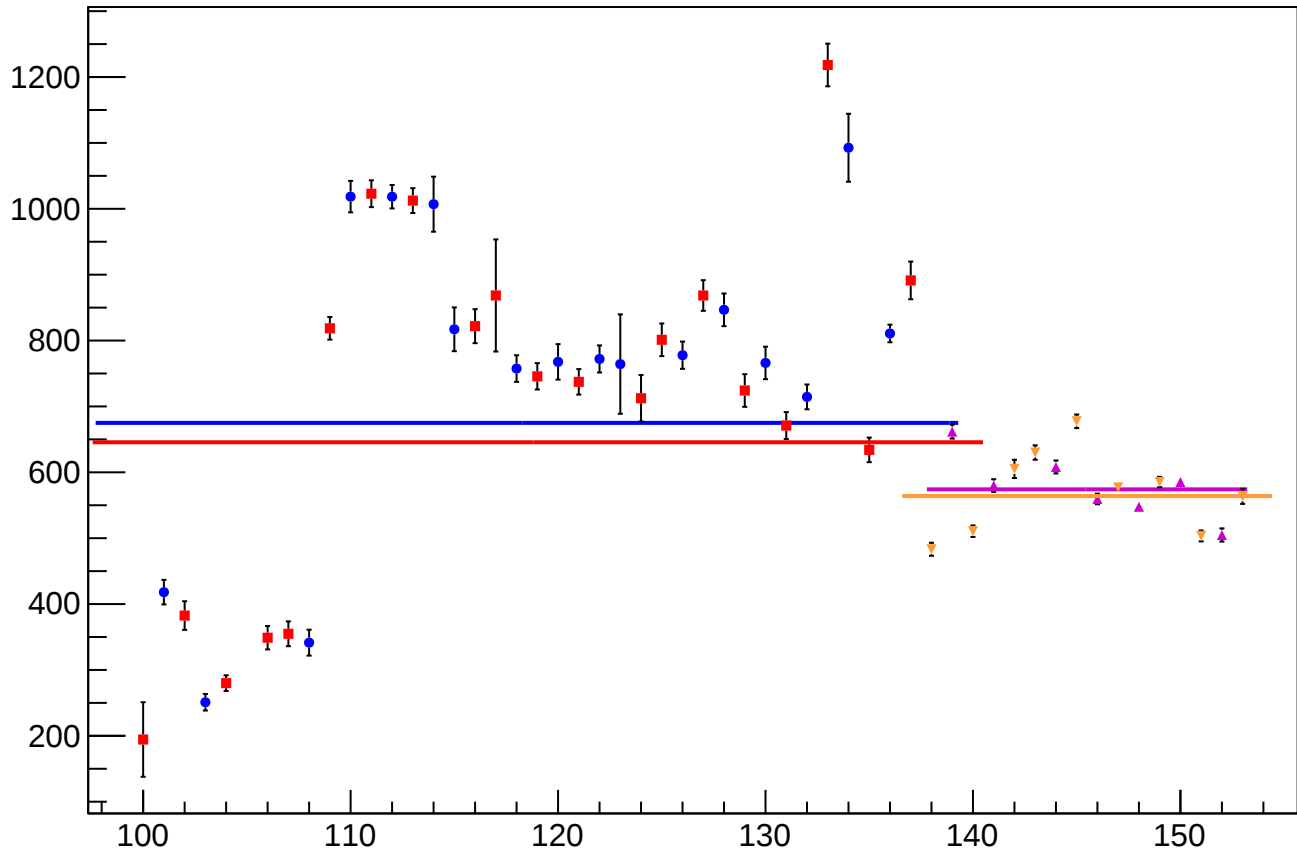
Right Out: -9.527 ± 2.606 χ^2/NDF : 370.3/19

Left In: 22.365 ± 2.188 χ^2/NDF : 78.5/6

4.852 ± 1.640 χ^2/NDF : 627.4/25

9.176 ± 1.676 χ^2/NDF : 536.6/26

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 675.045 $\pm$ 5.067 χ^2/NDF : 2584.3/16

Left Out: 563.976 $\pm$ 3.126 χ^2/NDF : 332.6/8

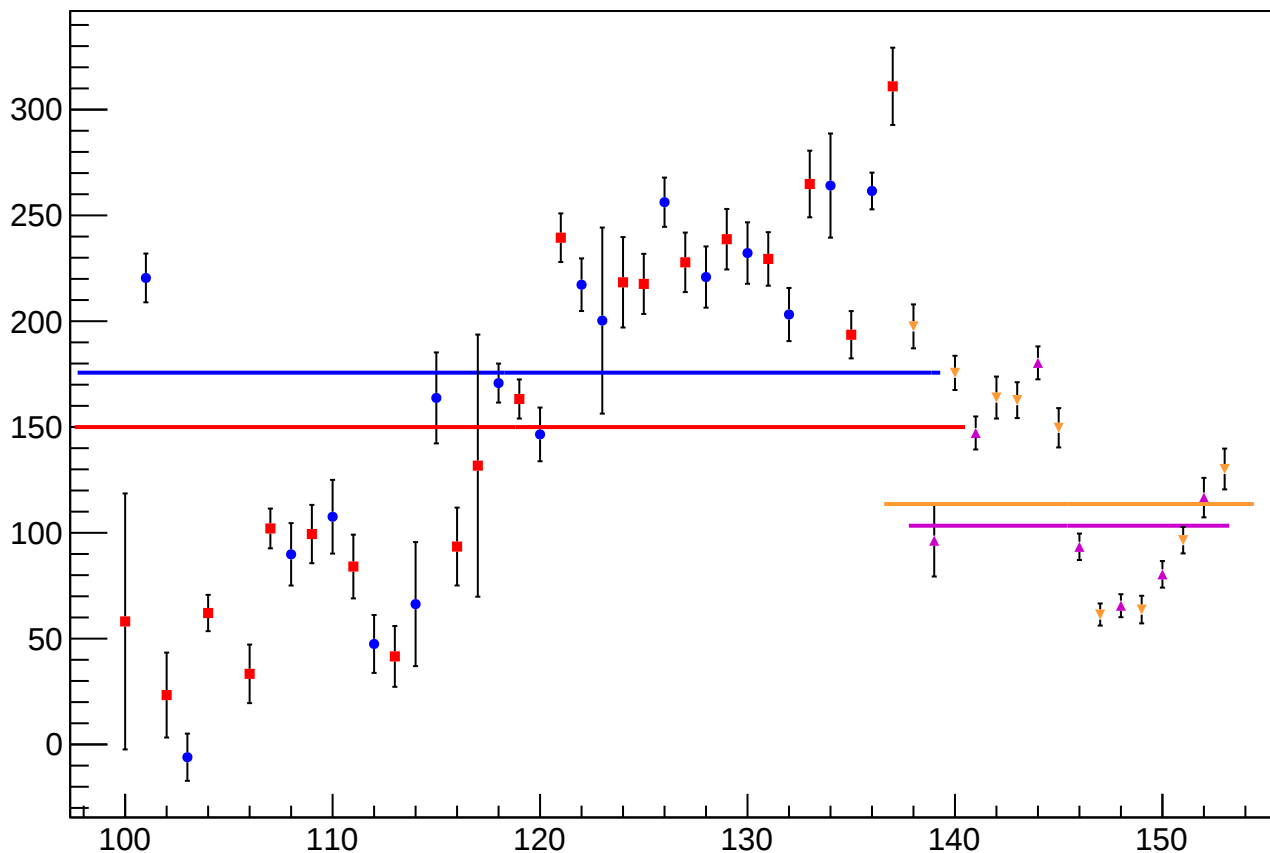
Right Out: 645.613 $\pm$ 4.754 χ^2/NDF : 3129.0/19

Left In: 574.143 $\pm$ 3.320 χ^2/NDF : 145.6/6

594.591 $\pm$ 2.660 χ^2/NDF : 3265.0/25

597.572 $\pm$ 2.722 χ^2/NDF : 3426.5/26

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 175.686 ± 3.239 $\chi^2/\text{NDF}: 637.9/16$

Left Out: 113.613 ± 2.526 $\chi^2/\text{NDF}: 367.3/8$

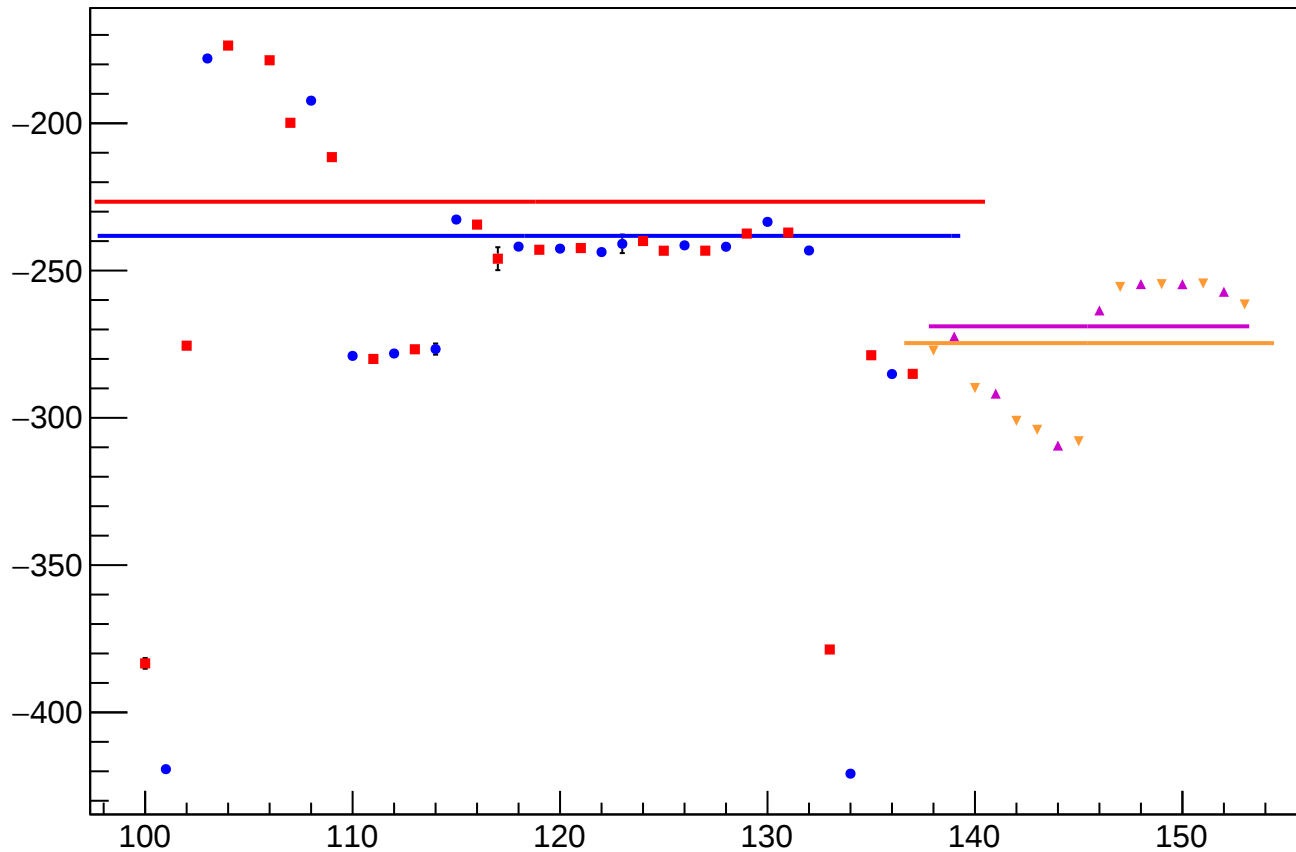
Right Out: 149.973 ± 3.038 $\chi^2/\text{NDF}: 693.8/19$

Left In: 103.361 ± 2.744 $\chi^2/\text{NDF}: 196.0/6$

137.097 ± 1.992 $\chi^2/\text{NDF}: 1233.5/25$

124.300 ± 2.036 $\chi^2/\text{NDF}: 1019.4/26$

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -238.217 ± 0.160 χ^2/NDF : 167120.0/16

Left Out: -274.631 ± 0.131 χ^2/NDF : 25557.5/8

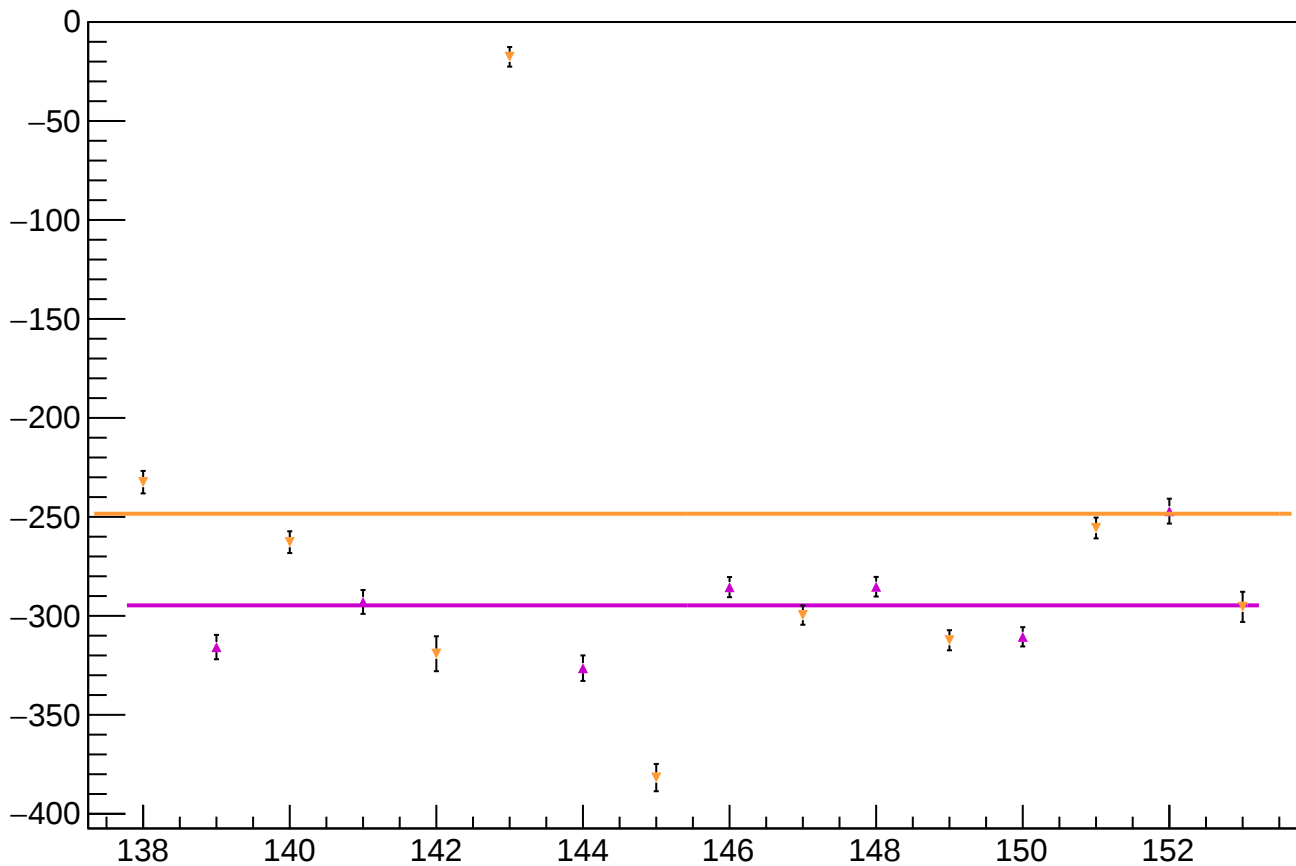
Right Out: -226.626 ± 0.151 χ^2/NDF : 102587.0/19

Left In: -268.935 ± 0.139 χ^2/NDF : 17419.4/6

-260.012 ± 0.102 χ^2/NDF : 223503.2/25

-249.594 ± 0.102 χ^2/NDF : 162560.3/26

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



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

Left Out: -248.404+/-1.911 χ^2/NDF : 2941.0/8

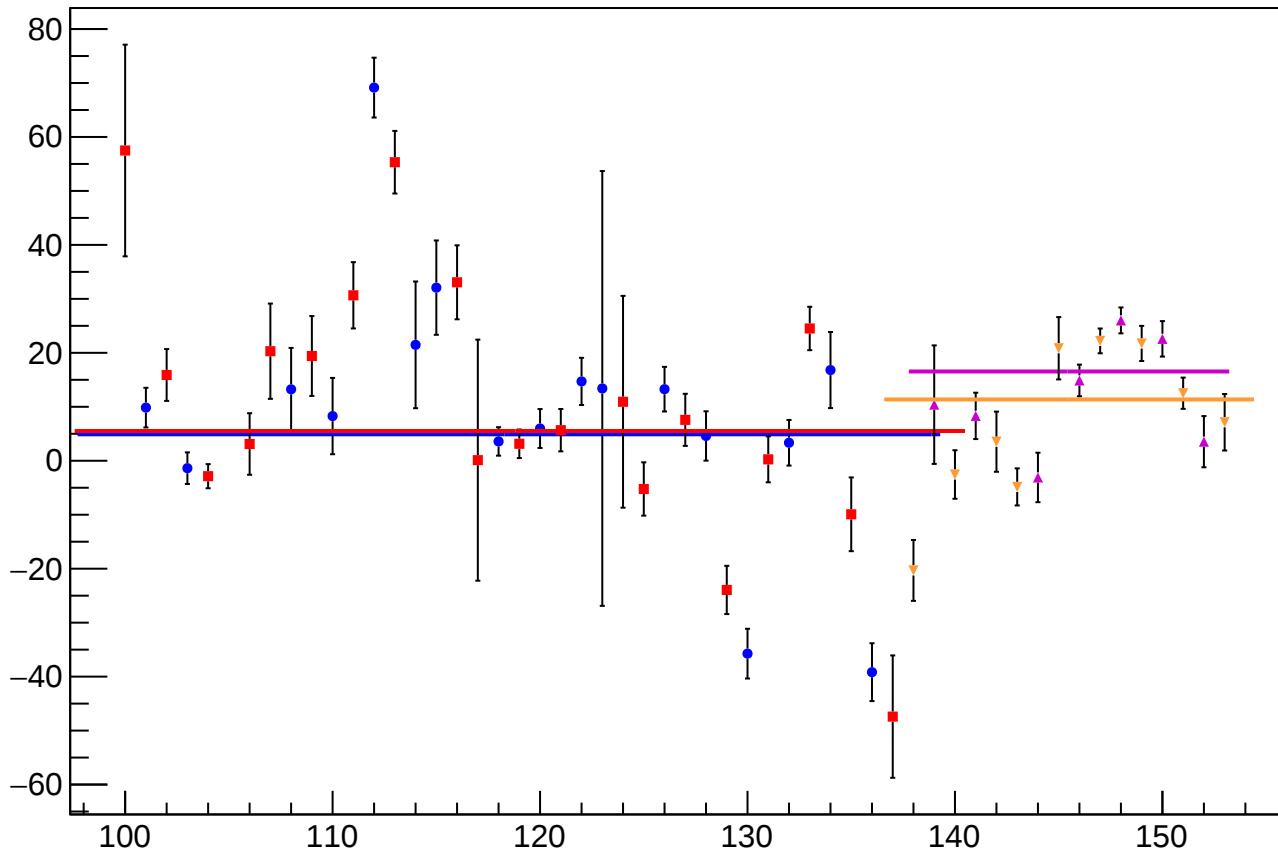
-248.404+/-1.911 χ^2/NDF : 2941.0/8

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

-294.696+/-2.109 χ^2/NDF : 110.9/6

Left In: -294.696+/-2.109 χ^2/NDF : 110.9/6

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 4.905 ± 1.105 χ^2/NDF : 311.7/16

Left Out: 11.362 ± 1.224 χ^2/NDF : 101.3/8

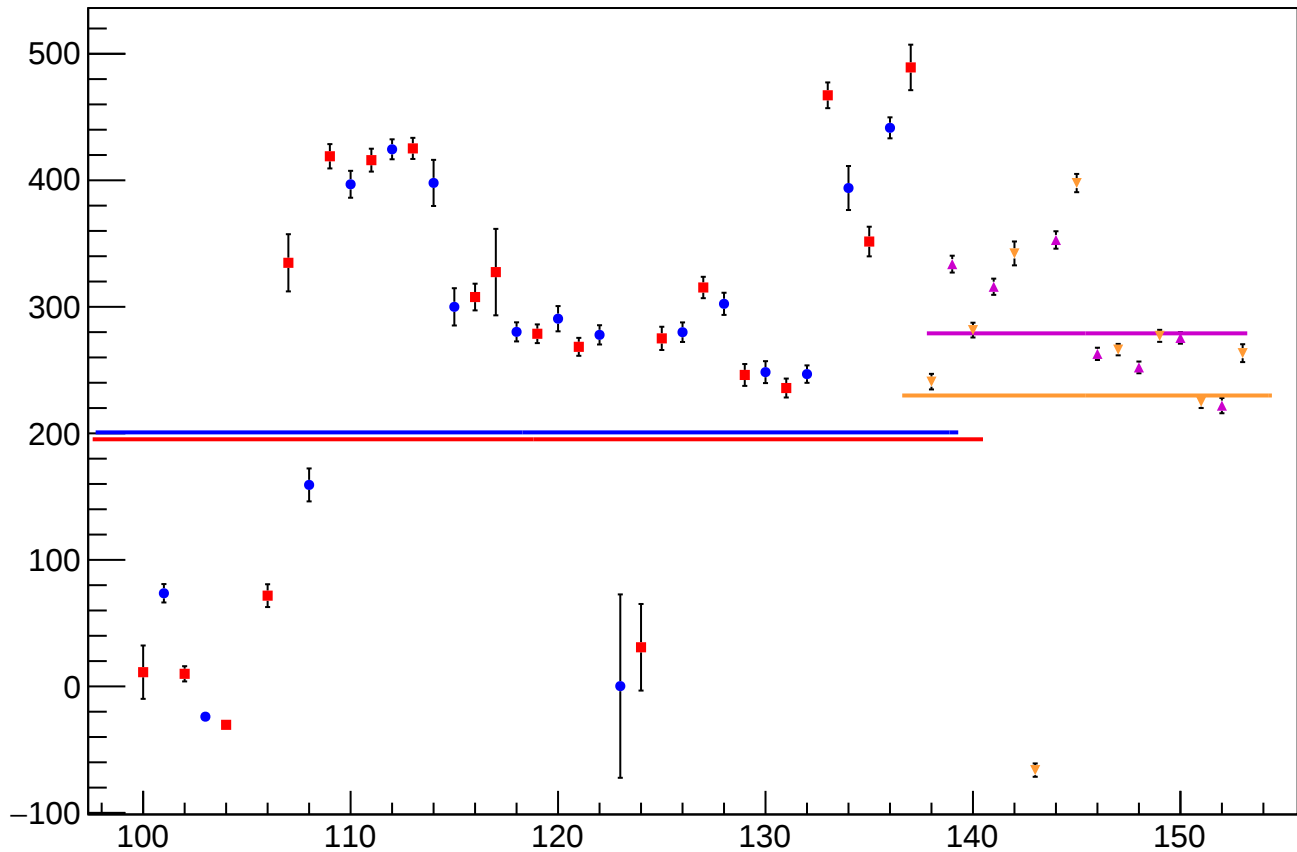
Right Out: 5.517 ± 1.067 χ^2/NDF : 239.0/19

Left In: 16.543 ± 1.365 χ^2/NDF : 49.1/6

7.806 ± 0.820 χ^2/NDF : 428.3/25

9.701 ± 0.841 χ^2/NDF : 328.6/26

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 200.773 $\pm$ 1.983 χ^2 /NDF: 6733.0/16

Left Out: 229.930 $\pm$ 1.907 χ^2 /NDF: 4093.7/8

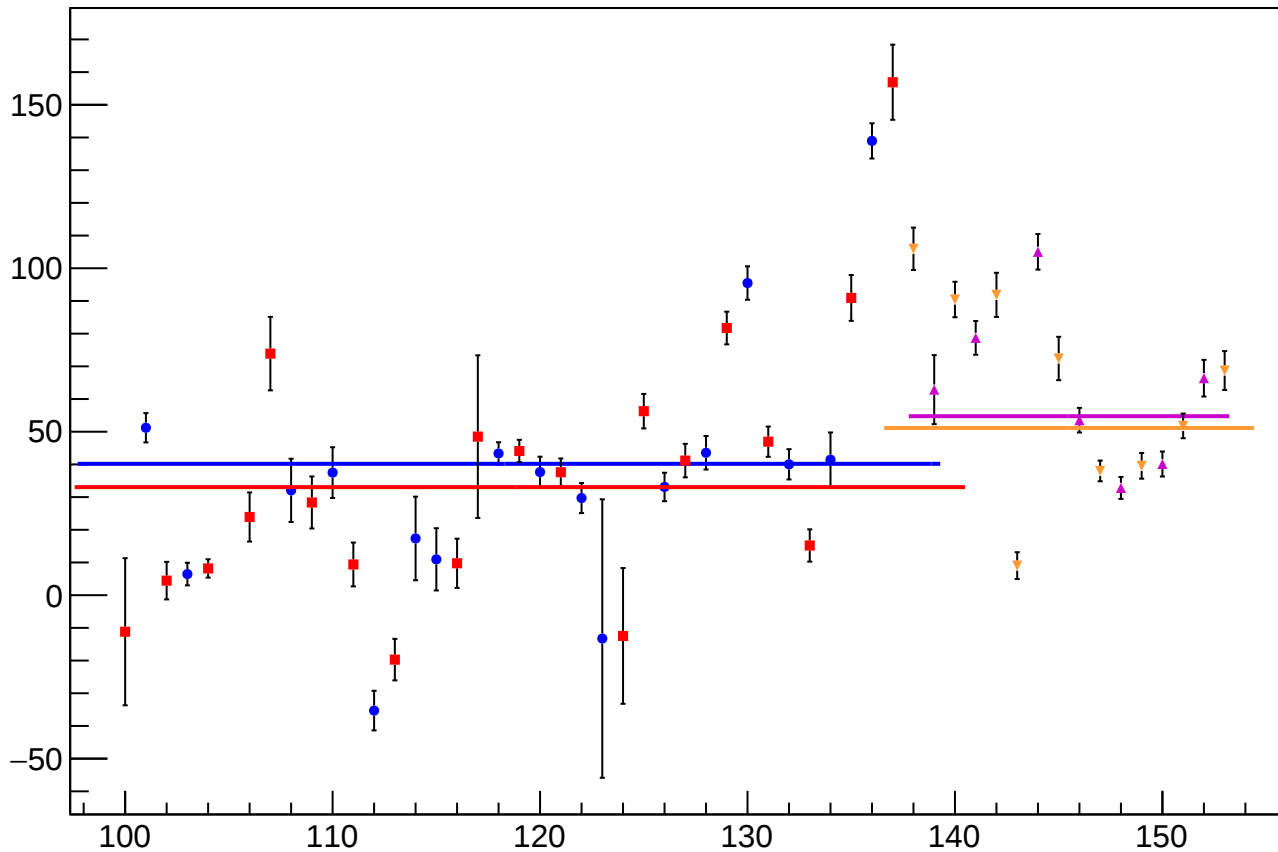
Right Out: 195.311 $\pm$ 1.921 χ^2 /NDF: 8262.1/19

Left In: 279.044 $\pm$ 2.074 χ^2 /NDF: 350.6/6

215.922 $\pm$ 1.375 χ^2 /NDF: 10939.0/25

233.964 $\pm$ 1.409 χ^2 /NDF: 9489.9/26

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 40.185+/-1.283 χ^2/NDF : 734.6/16

Left Out: 51.156+/-1.534 χ^2/NDF :310.3/8

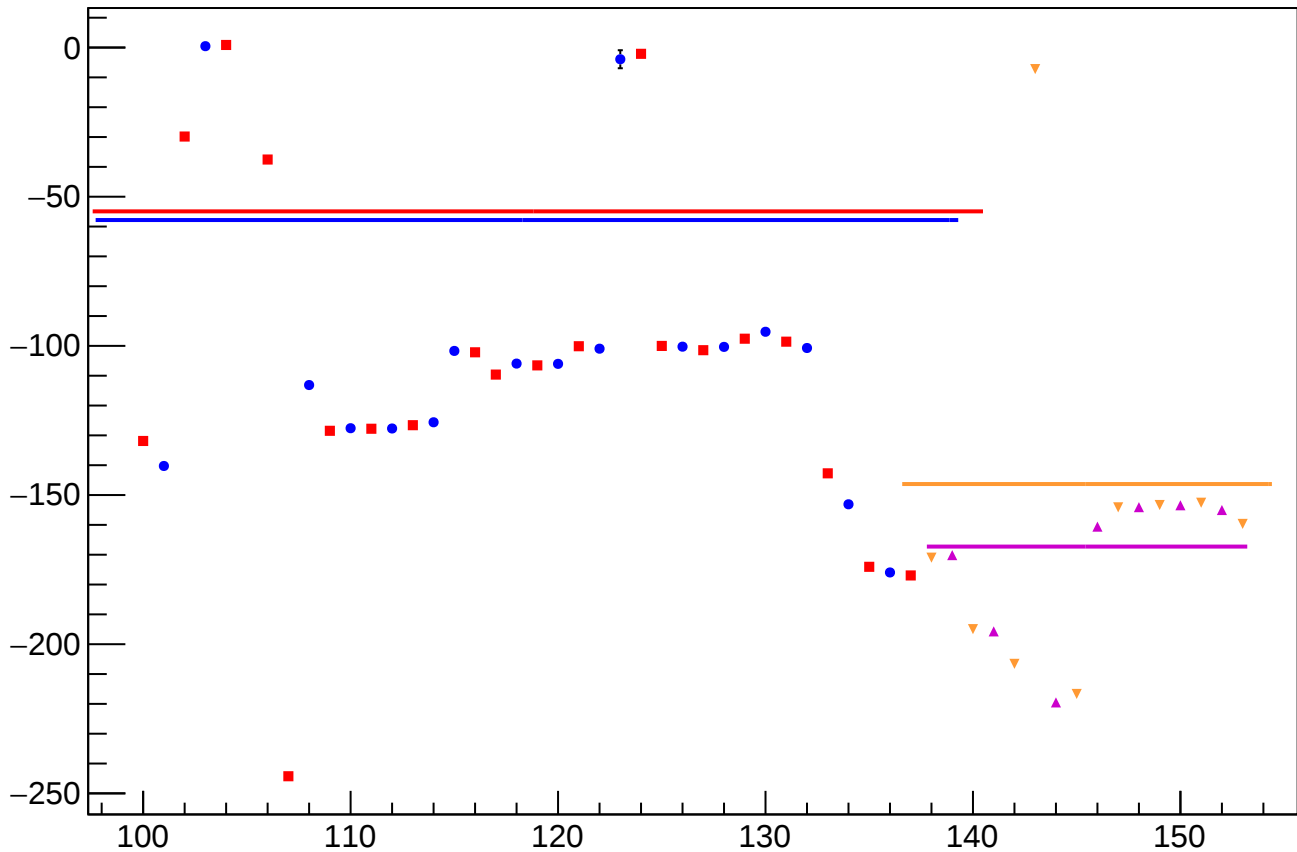
Right Out: 33.045+/-1.249 χ^2/NDF : 553.1/19

Left In: 54.752+/-1.715 χ^2/NDF :169.3/6

44.701+/-0.984 χ^2/NDF : 1074.9/25

40.565+/-1.010 χ^2/NDF : 827.0/26

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -57.821 $\pm$ 0.062 χ^2 /NDF: 1101296.2/16

Left Out: -146.311 $\pm$ 0.080 χ^2 /NDF: 572402.2/8

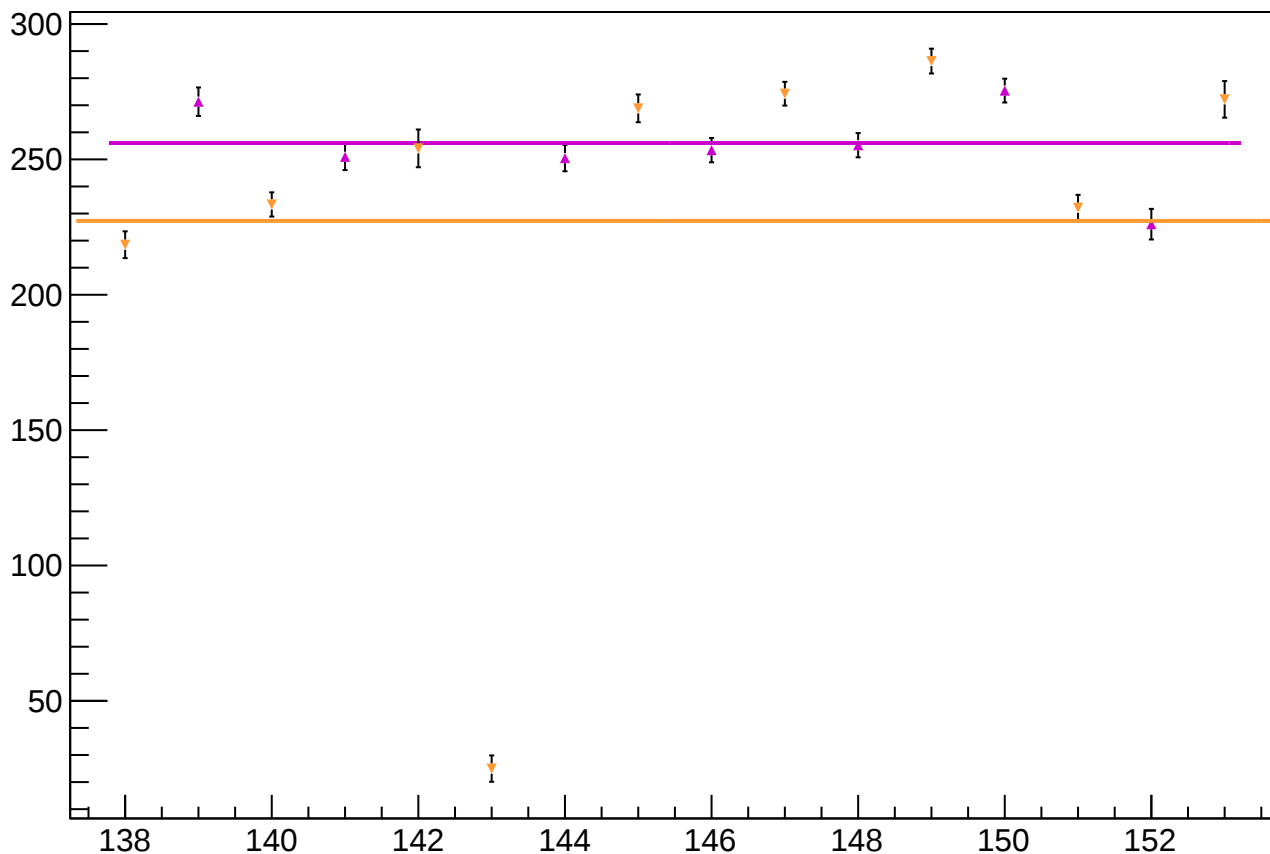
Right Out: -54.915 $\pm$ 0.060 χ^2 /NDF: 1001968.3/19

Left In: -167.276 $\pm$ 0.087 χ^2 /NDF: 55092.6/6

-90.859 $\pm$ 0.049 χ^2 /NDF: 2439465.3/25

-91.471 $\pm$ 0.049 χ^2 /NDF: 2190948.9/26

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



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

Left Out: 227.283+/-1.673 χ^2/NDF : 2137.2/8

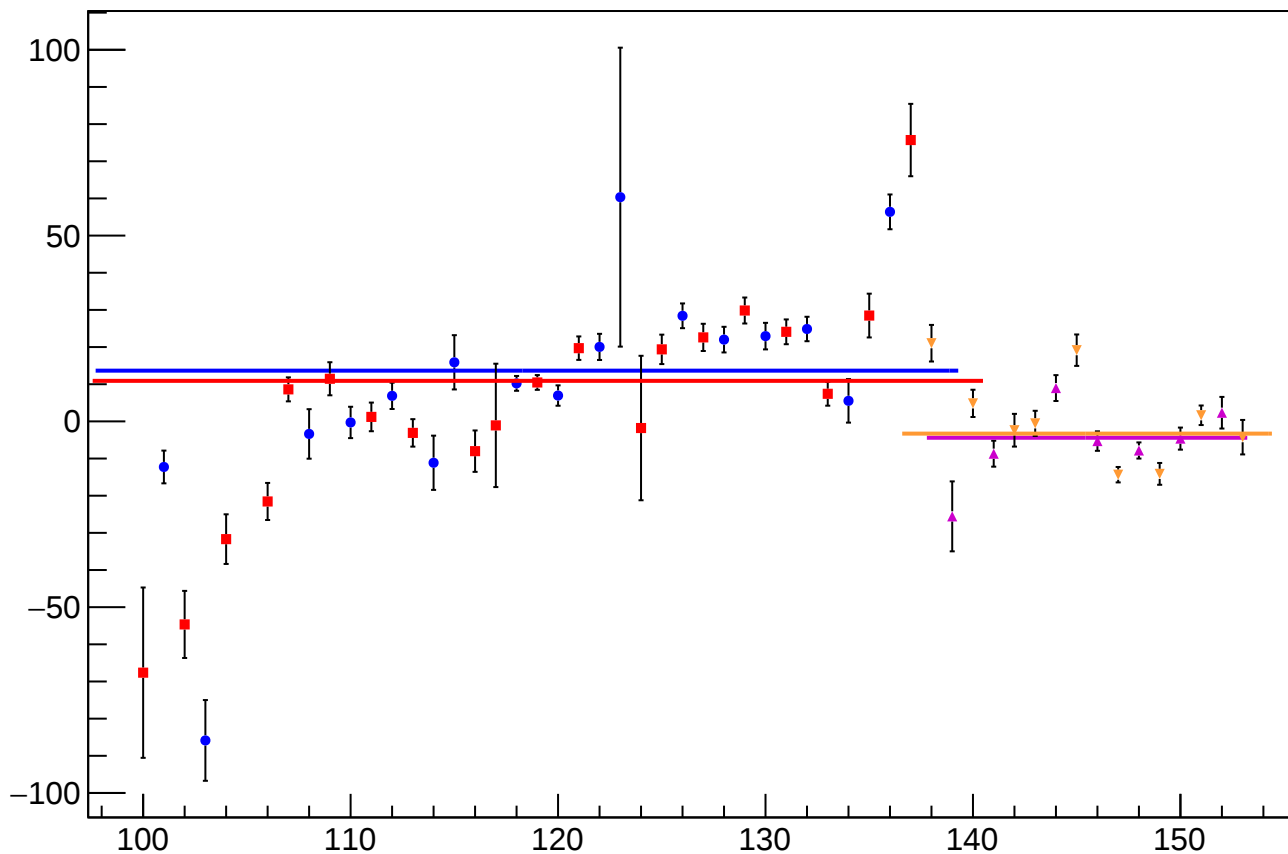
227.283+/-1.673 χ^2/NDF : 2137.2/8

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

256.044+/-1.819 χ^2/NDF : 58.6/6

Left In: 256.044+/-1.819 χ^2/NDF : 58.6/6

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 13.652 $\pm$ 0.936 χ^2 /NDF: 294.0/16

Left Out: -3.292 $\pm$ 1.085 χ^2 /NDF:103.7/8

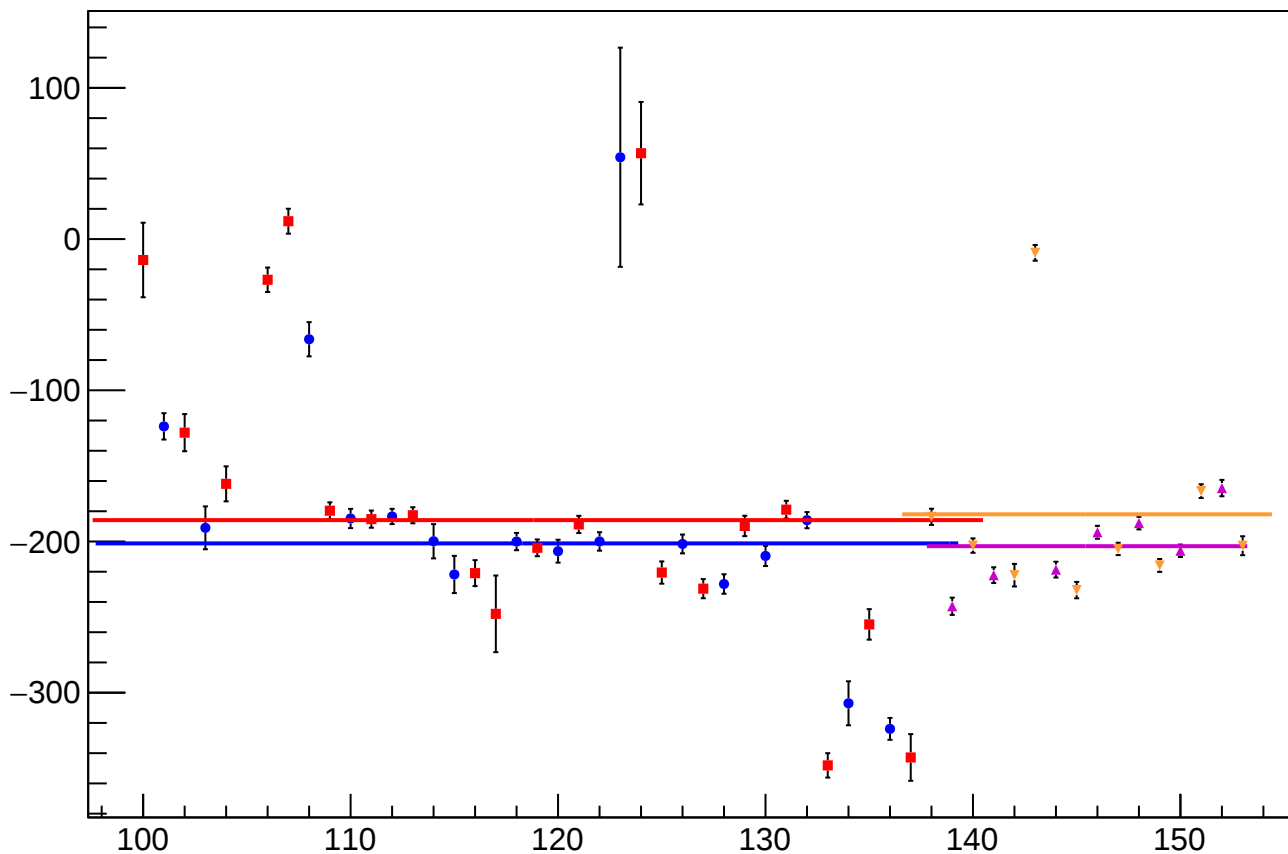
Right Out: 10.908 $\pm$ 0.912 χ^2 /NDF: 303.1/19

Left In: -4.404 $\pm$ 1.194 χ^2 /NDF:26.4/6

6.423 $\pm$ 0.709 χ^2 /NDF: 537.5/25

5.265 $\pm$ 0.725 χ^2 /NDF: 433.4/26

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -201.266 ± 1.795 χ^2/NDF : 623.4/16

Left Out: -182.017 ± 1.676 χ^2/NDF : 1355.7/8

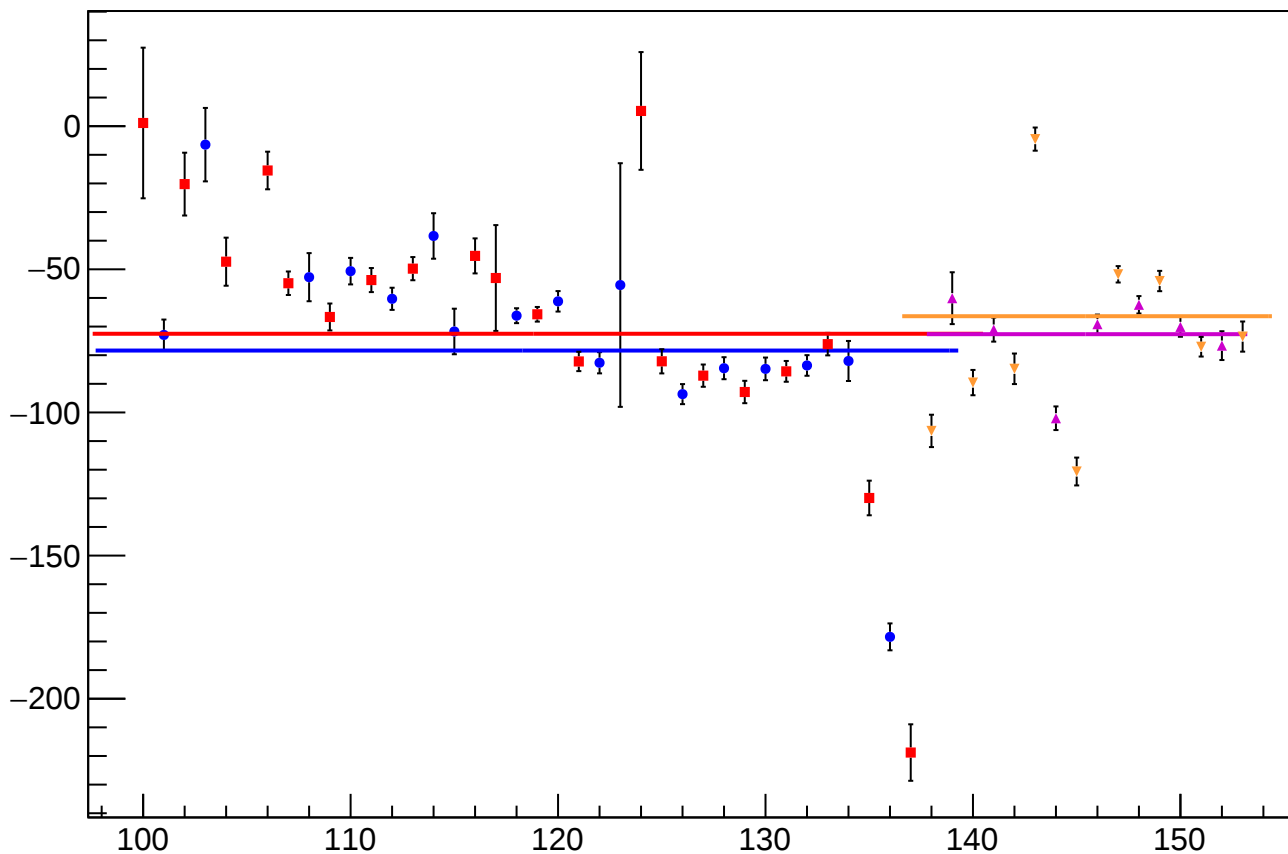
Right Out: -185.871 ± 1.695 χ^2/NDF : 1752.0/19

Left In: -203.106 ± 1.801 χ^2/NDF : 139.8/6

-190.981 ± 1.225 χ^2/NDF : 2040.5/25

-193.971 ± 1.234 χ^2/NDF : 1940.4/26

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -78.376+/-1.081 χ^2/NDF : 651.4/16

Left Out: -66.382+/-1.356 χ^2/NDF : 497.5/8

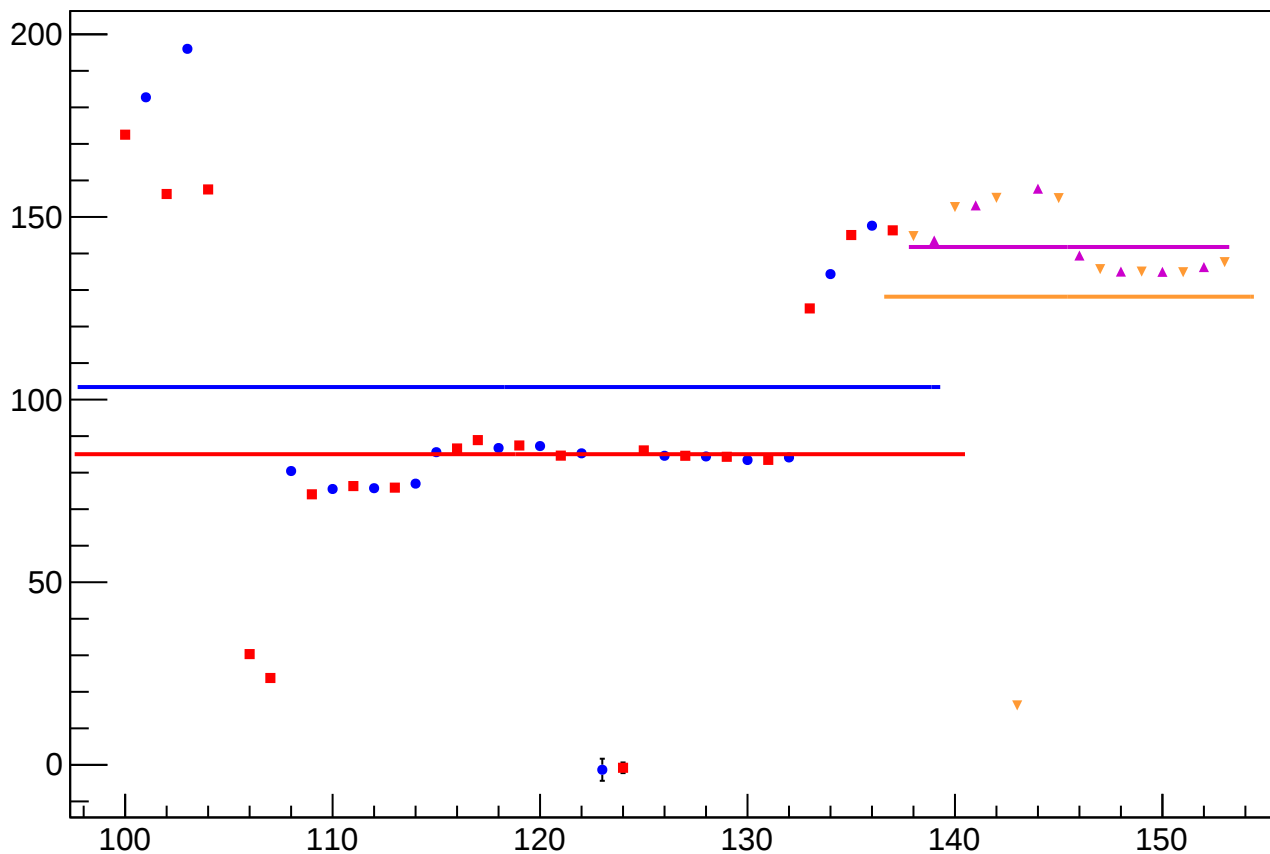
Right Out: -72.514+/-1.050 χ^2/NDF : 607.0/19

Left In: -72.658+/-1.493 χ^2/NDF : 66.4/6

-73.715+/-0.846 χ^2/NDF : 1196.7/25

-72.561+/-0.859 χ^2/NDF : 673.3/26

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 103.436 $\pm$ 0.071 χ^2 /NDF: 272785.6/16

Left Out: 128.173 $\pm$ 0.070 χ^2 /NDF: 339520.9/8

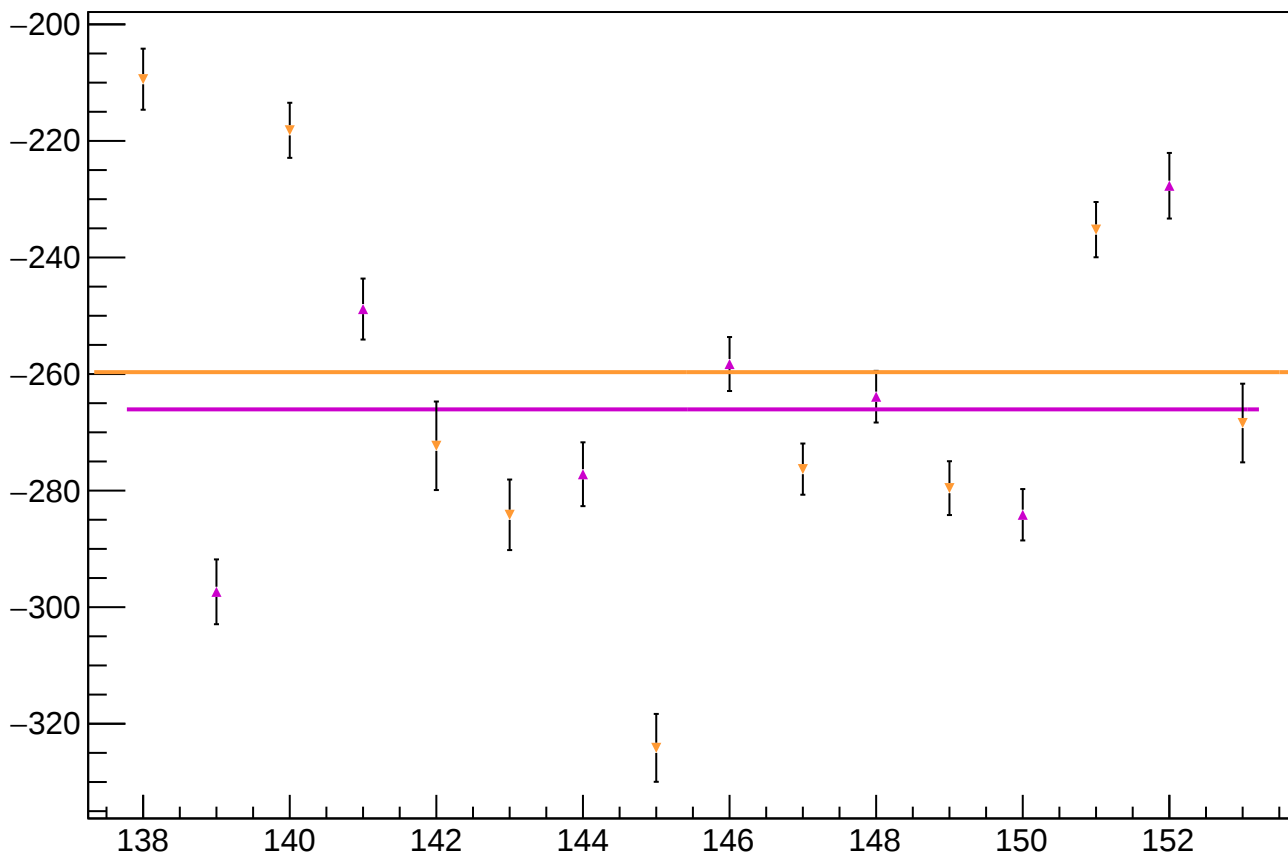
Right Out: 85.054 $\pm$ 0.064 χ^2 /NDF: 422354.0/19

Left In: 141.779 $\pm$ 0.075 χ^2 /NDF: 11599.2/6

115.922 $\pm$ 0.050 χ^2 /NDF: 673786.6/25

108.733 $\pm$ 0.049 χ^2 /NDF: 765547.4/26

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



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

Left Out: -259.674+/-1.766 χ^2/NDF : 372.0/8

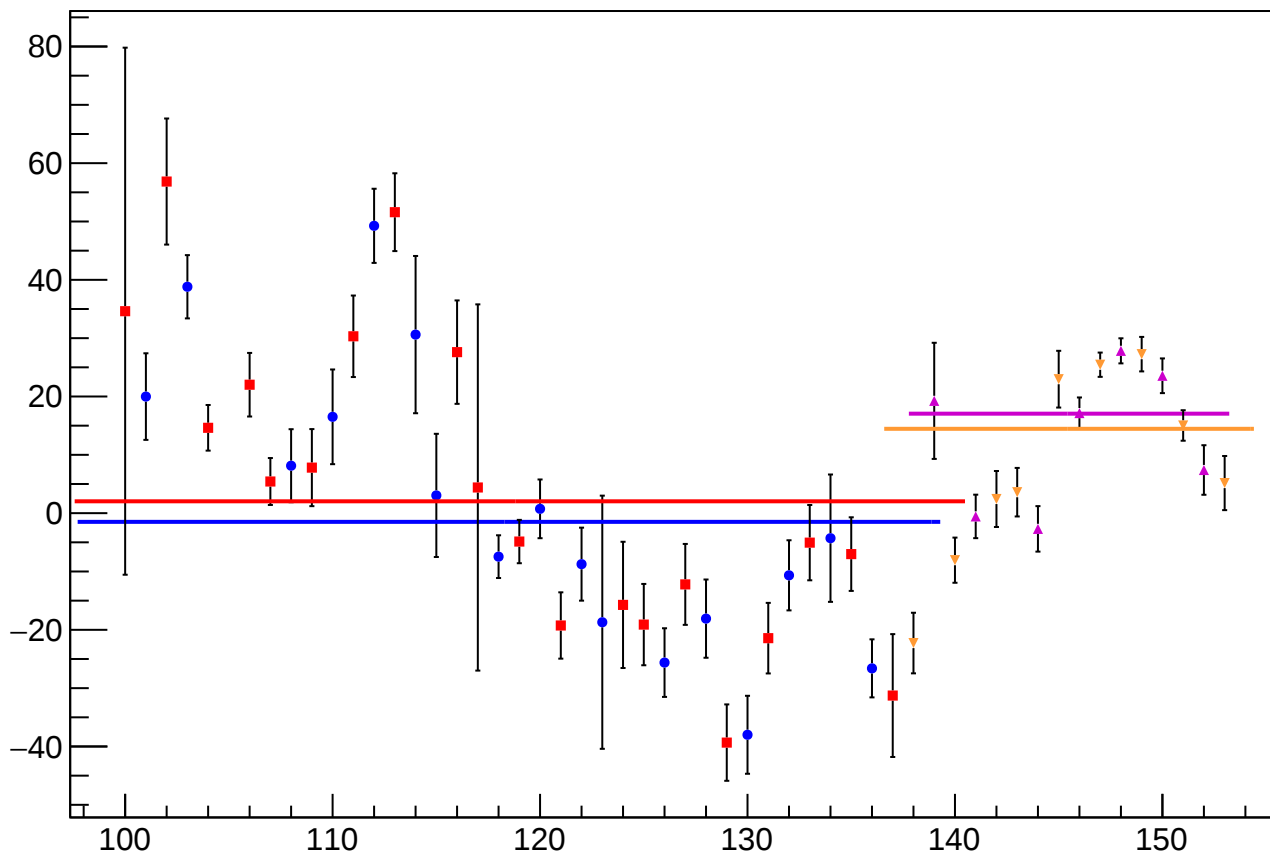
-259.674+/-1.766 χ^2/NDF : 372.0/8

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

-266.062+/-1.881 χ^2/NDF : 113.0/6

Left In: -266.062+/-1.881 χ^2/NDF : 113.0/6

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: -1.490 ± 1.536 $\chi^2/\text{NDF}: 226.0/16$

Left Out: 14.460 ± 1.129 $\chi^2/\text{NDF}: 150.7/8$

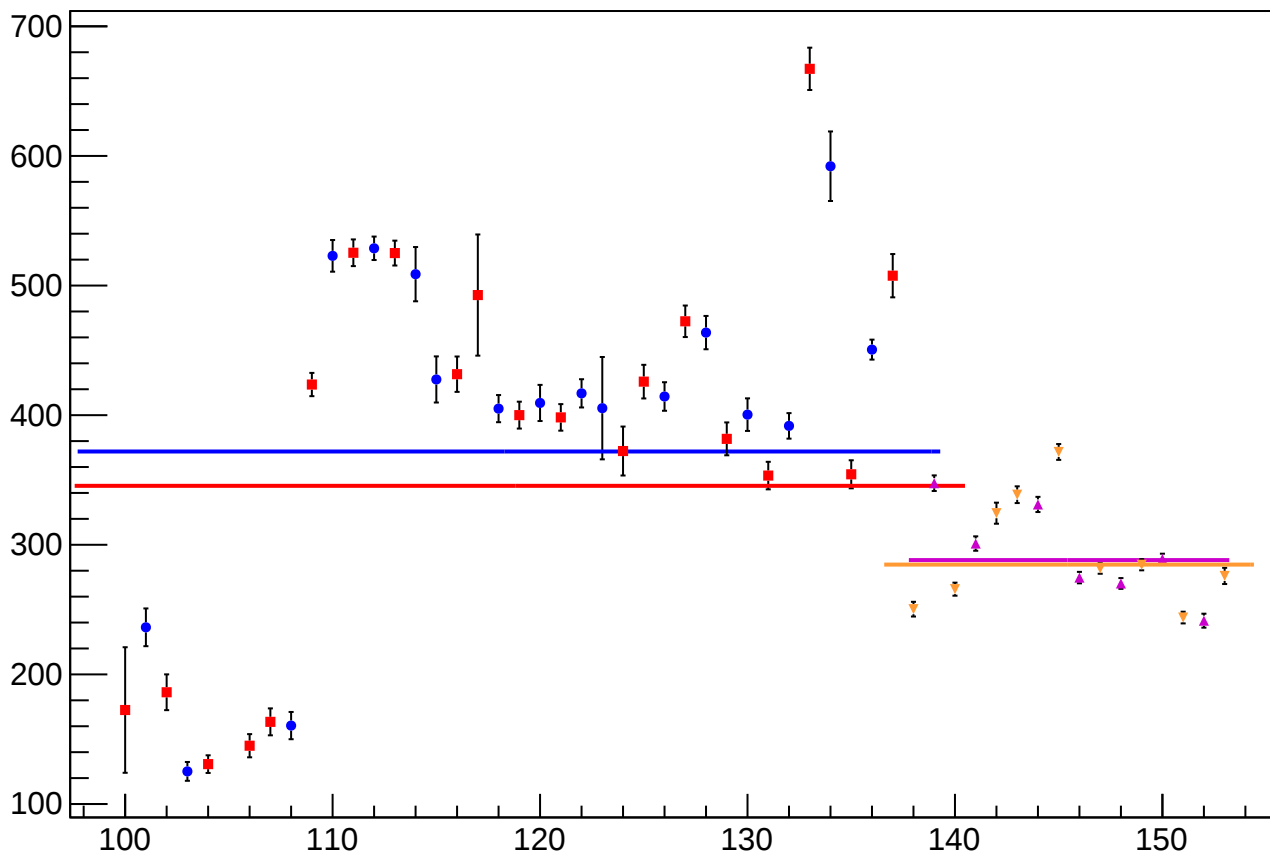
Right Out: 2.032 ± 1.398 $\chi^2/\text{NDF}: 233.3/19$

Left In: 17.056 ± 1.220 $\chi^2/\text{NDF}: 83.1/6$

8.870 ± 0.909 $\chi^2/\text{NDF}: 446.6/25$

10.563 ± 0.919 $\chi^2/\text{NDF}: 381.9/26$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 371.975 ± 2.778 $\chi^2/\text{NDF}: 2432.6/16$

Left Out: 284.718 ± 1.757 $\chi^2/\text{NDF}: 431.0/8$

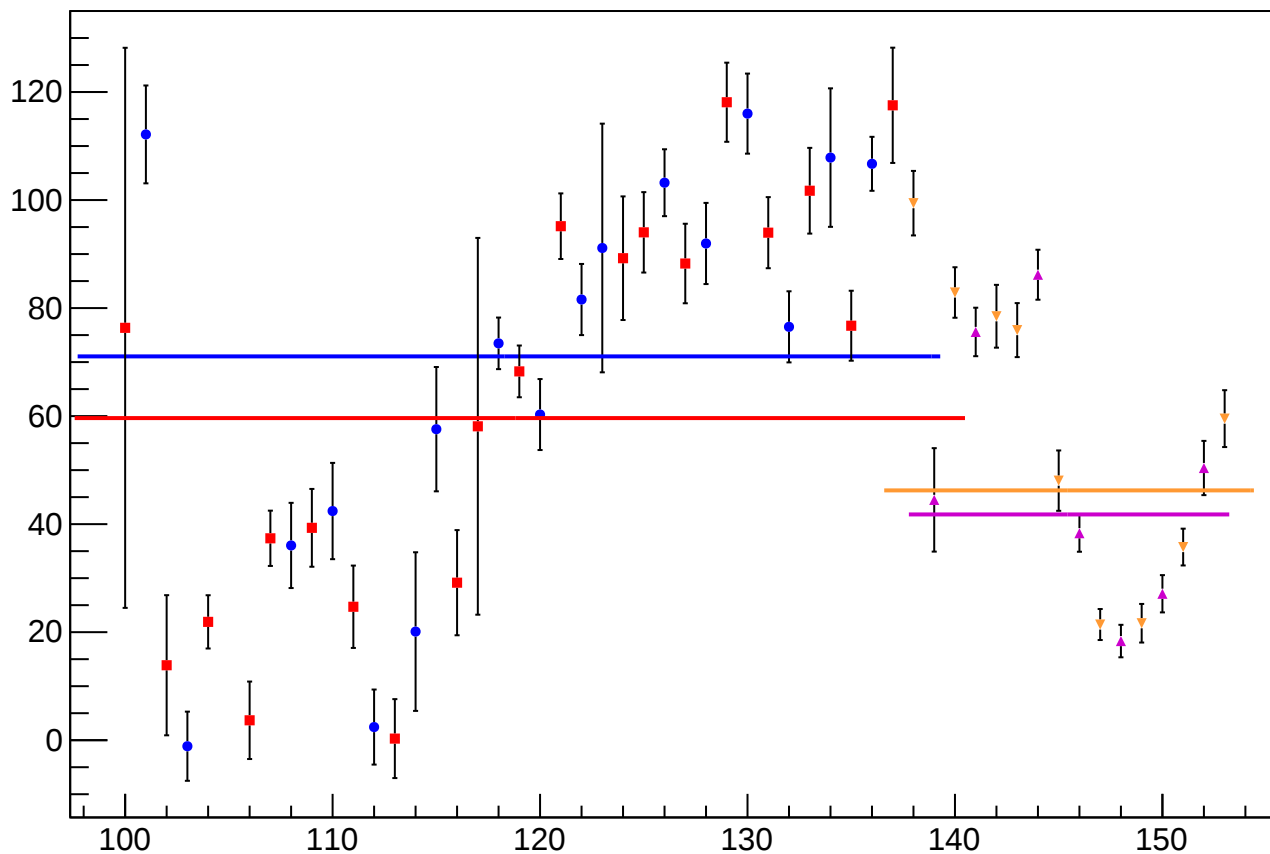
Right Out: 345.485 ± 2.558 $\chi^2/\text{NDF}: 3425.1/19$

Left In: 288.197 ± 1.853 $\chi^2/\text{NDF}: 259.2/6$

309.649 ± 1.485 $\chi^2/\text{NDF}: 3568.4/25$

307.908 ± 1.501 $\chi^2/\text{NDF}: 4013.3/26$

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 71.056 $\pm$ 1.764 χ^2 /NDF: 426.2/16

Left Out: 46.248 $\pm$ 1.418 χ^2 /NDF:344.8/8

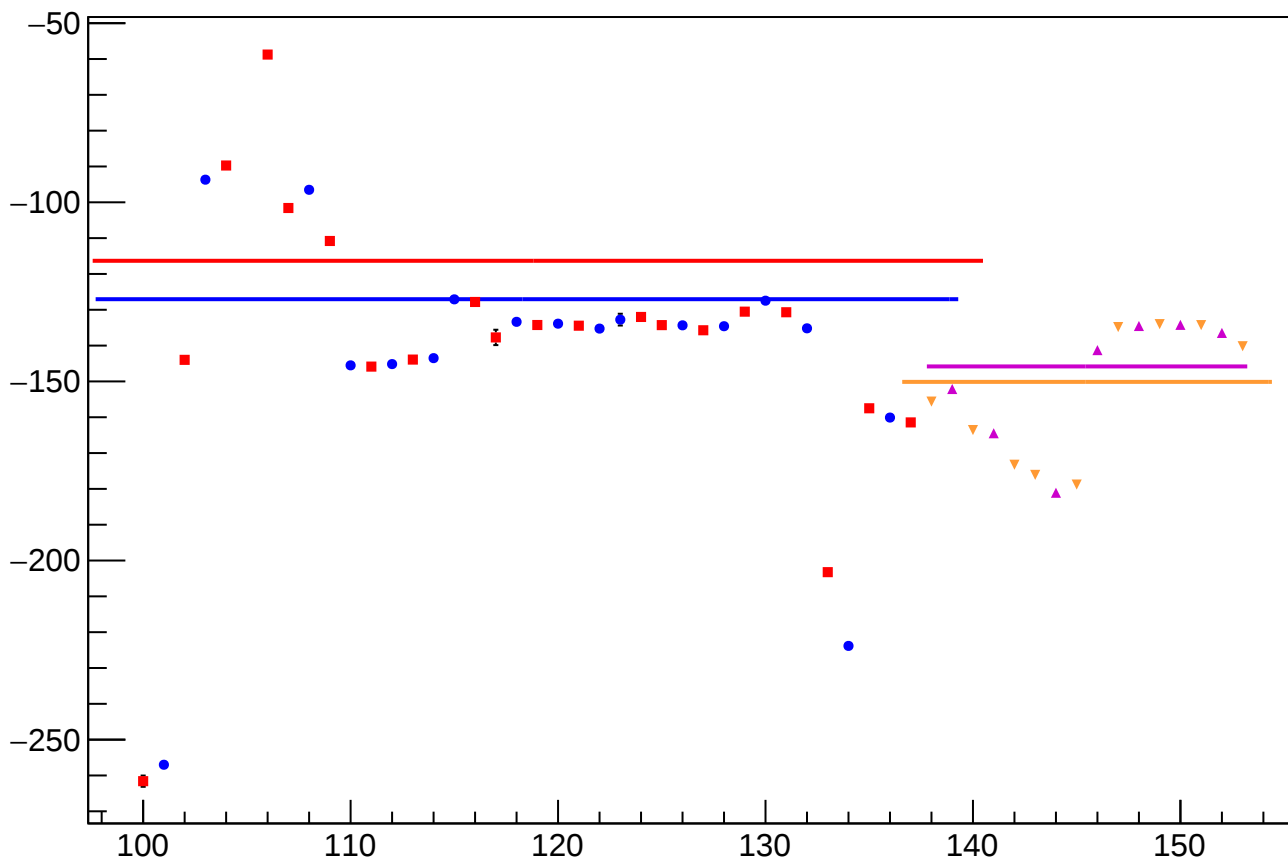
Right Out: 59.634 $\pm$ 1.629 χ^2 /NDF: 491.6/19

Left In: 41.797 $\pm$ 1.531 χ^2 /NDF:231.6/6

55.985 $\pm$ 1.105 χ^2 /NDF: 891.2/25

50.163 $\pm$ 1.116 χ^2 /NDF: 786.9/26

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -127.049+/-0.090 χ^2/NDF : 167014.4/16

Left Out: -150.127+/-0.074 χ^2/NDF : 55629.6/8

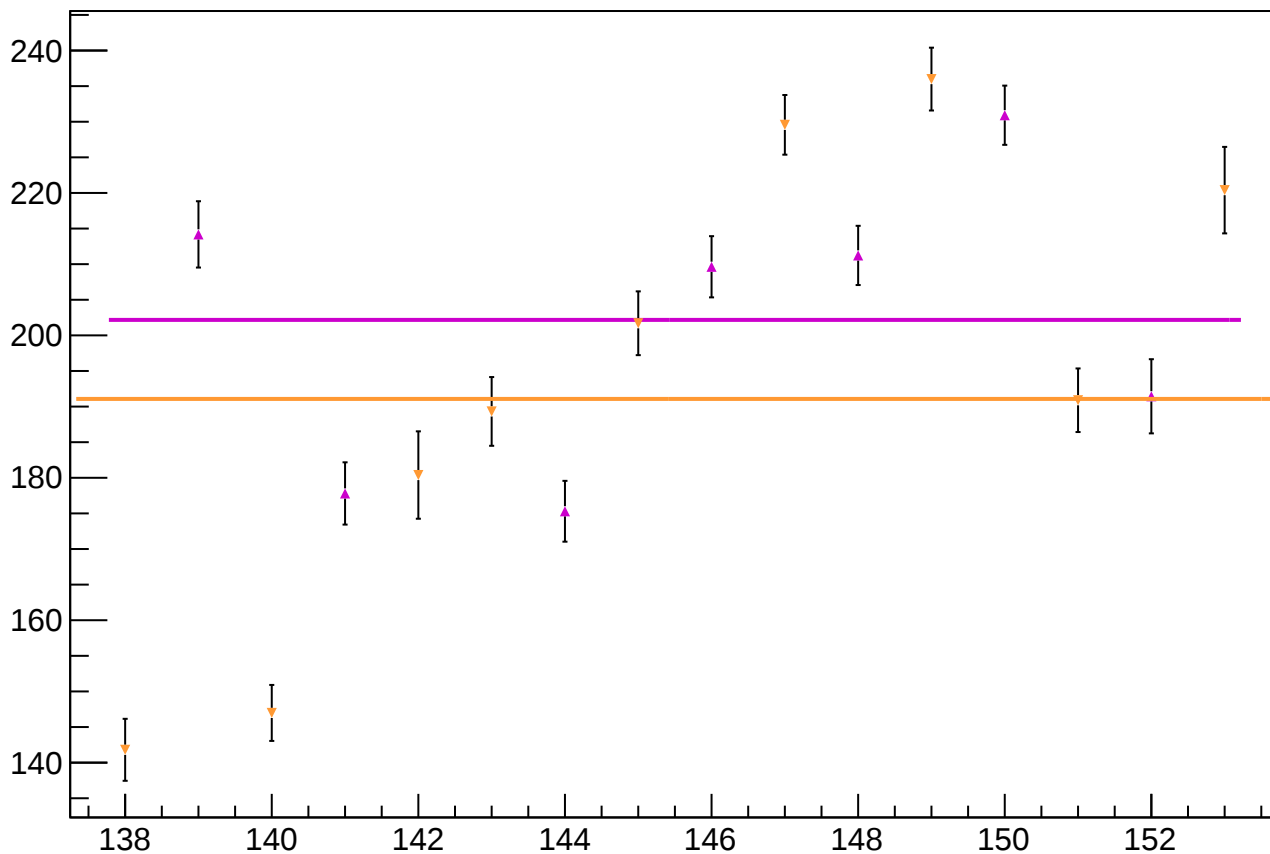
Right Out: -116.327+/-0.083 χ^2/NDF : 167208.7/19

Left In: -145.816+/-0.077 χ^2/NDF : 37490.1/6

-140.797+/-0.057 χ^2/NDF : 262011.0/25

-132.079+/-0.057 χ^2/NDF : 272254.3/26

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



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

Left Out: 191.077+/-1.538 χ^2/NDF : 474.2/8

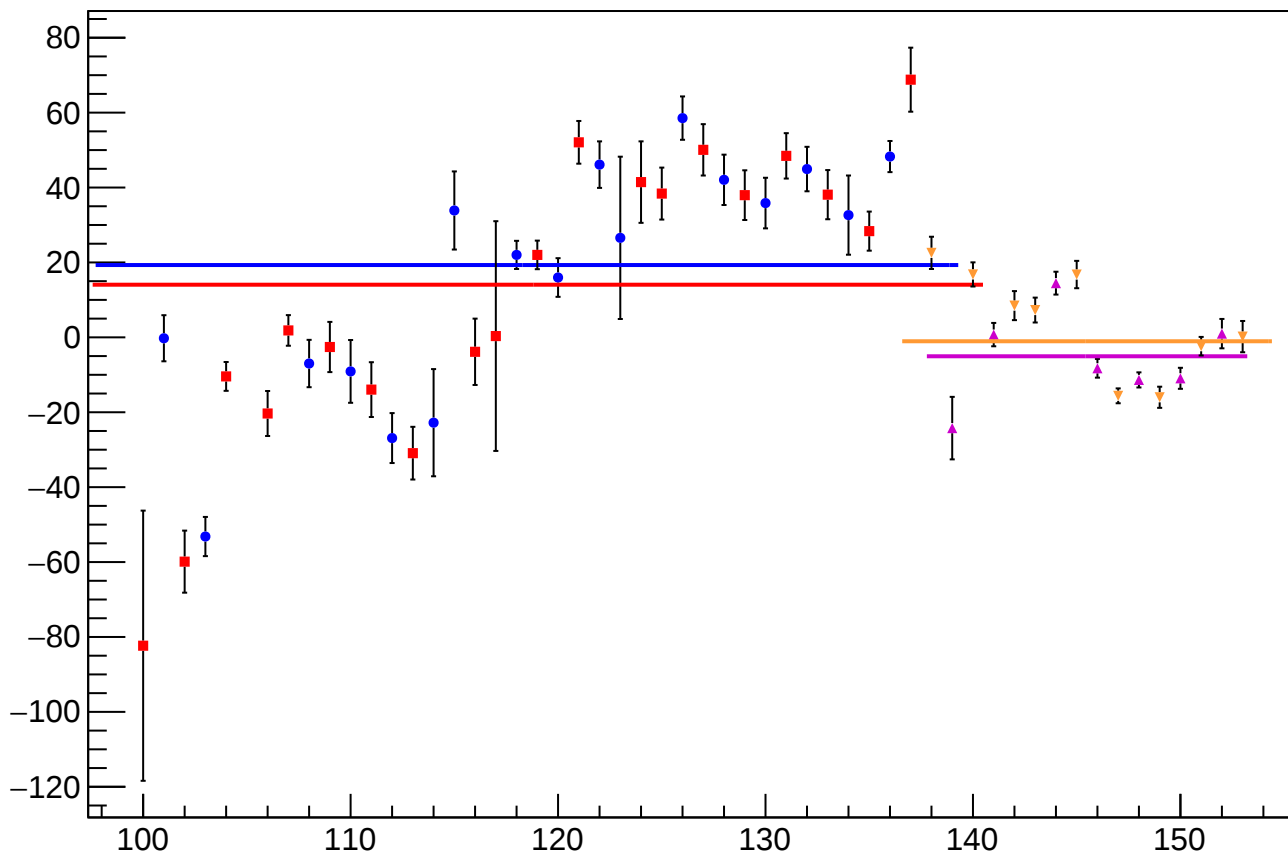
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 202.174+/-1.667 χ^2/NDF : 137.1/6

191.077+/-1.538 χ^2/NDF : 474.2/8

202.174+/-1.667 χ^2/NDF : 137.1/6

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 19.308+/-1.500 χ^2 /NDF: 441.3/16

Left Out: -1.046+/-1.009 χ^2 /NDF:179.1/8

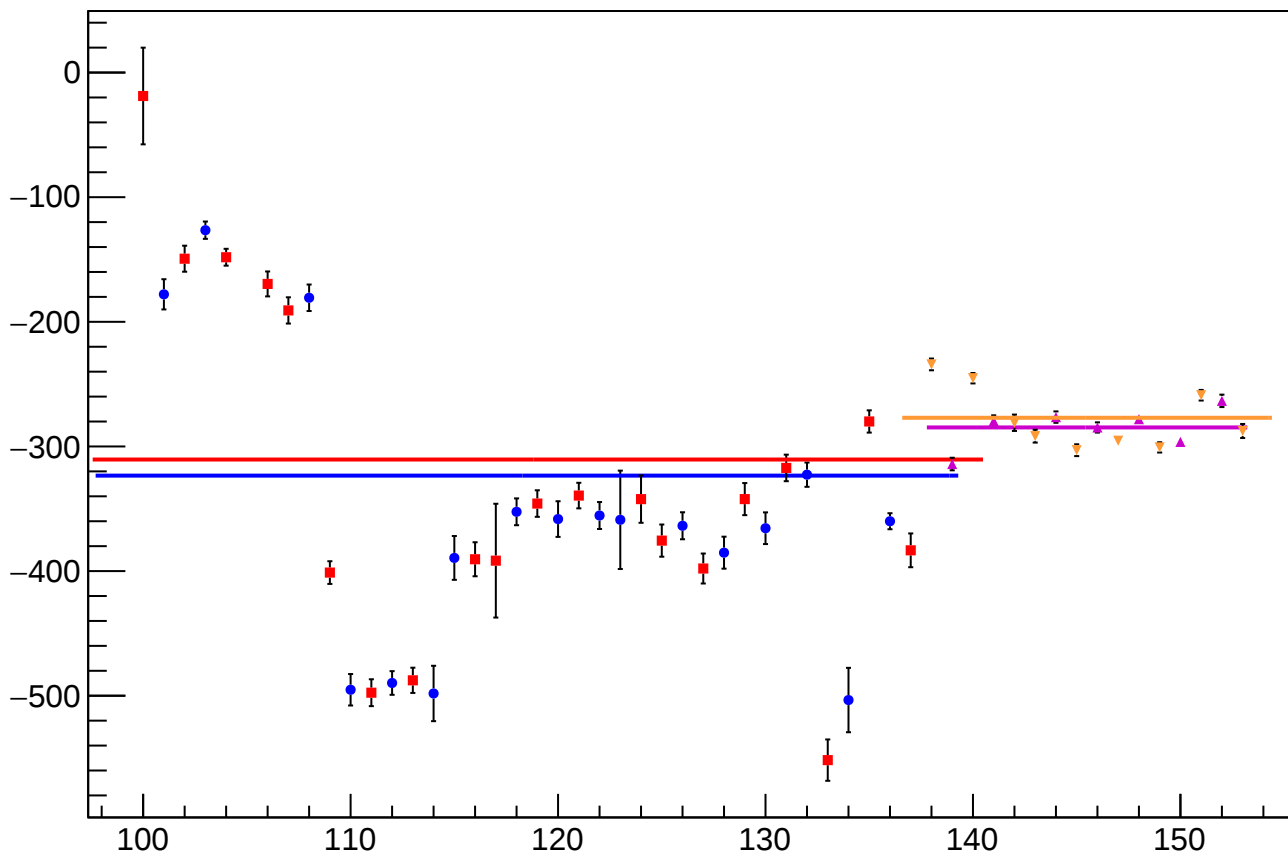
Right Out: 14.055+/-1.388 χ^2 /NDF: 437.1/19

Left In: -5.054+/-1.103 χ^2 /NDF:67.9/6

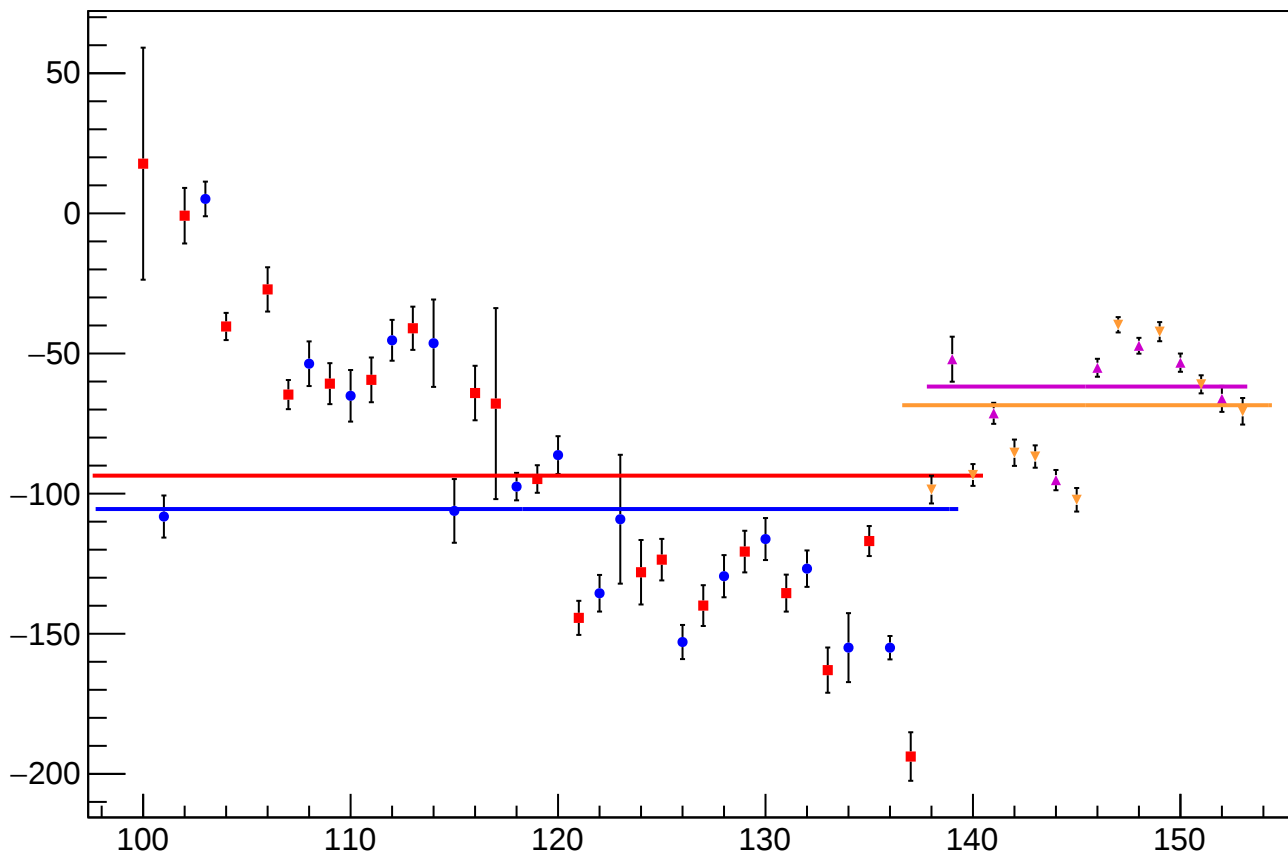
5.294+/-0.837 χ^2 /NDF: 747.1/25

2.339+/-0.864 χ^2 /NDF: 621.1/26

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -105.496+/-1.712 χ^2/NDF : 737.3/16

Left Out: -68.451+/-1.258 χ^2/NDF : 351.1/8

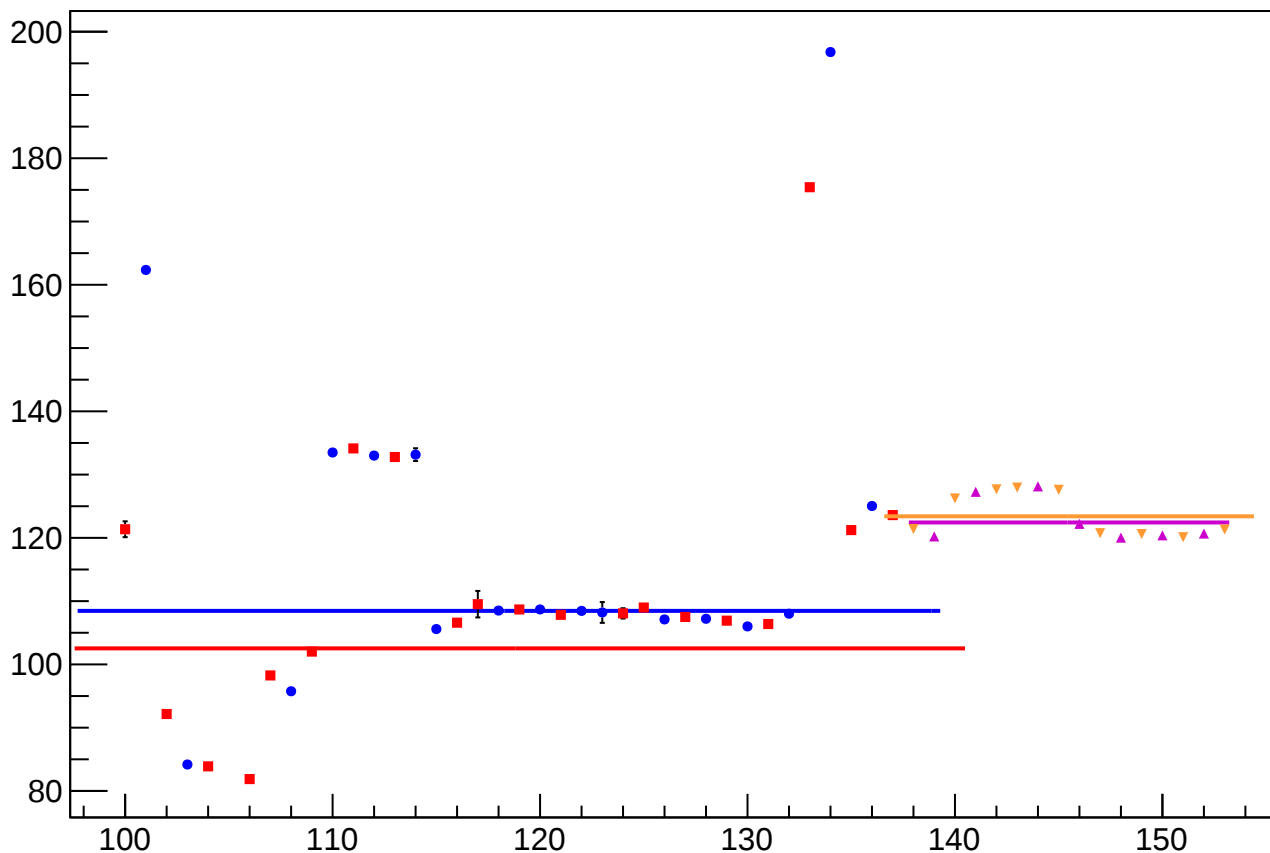
Right Out: -93.579+/-1.608 χ^2/NDF : 827.7/19

Left In: -61.793+/-1.377 χ^2/NDF : 132.0/6

-81.443+/-1.014 χ^2/NDF : 1392.4/25

-75.241+/-1.046 χ^2/NDF : 1185.0/26

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 108.460 $\pm$ 0.085 χ^2/NDF : 73301.9/16

Left Out: 123.406 $\pm$ 0.065 χ^2/NDF : 2480.7/8

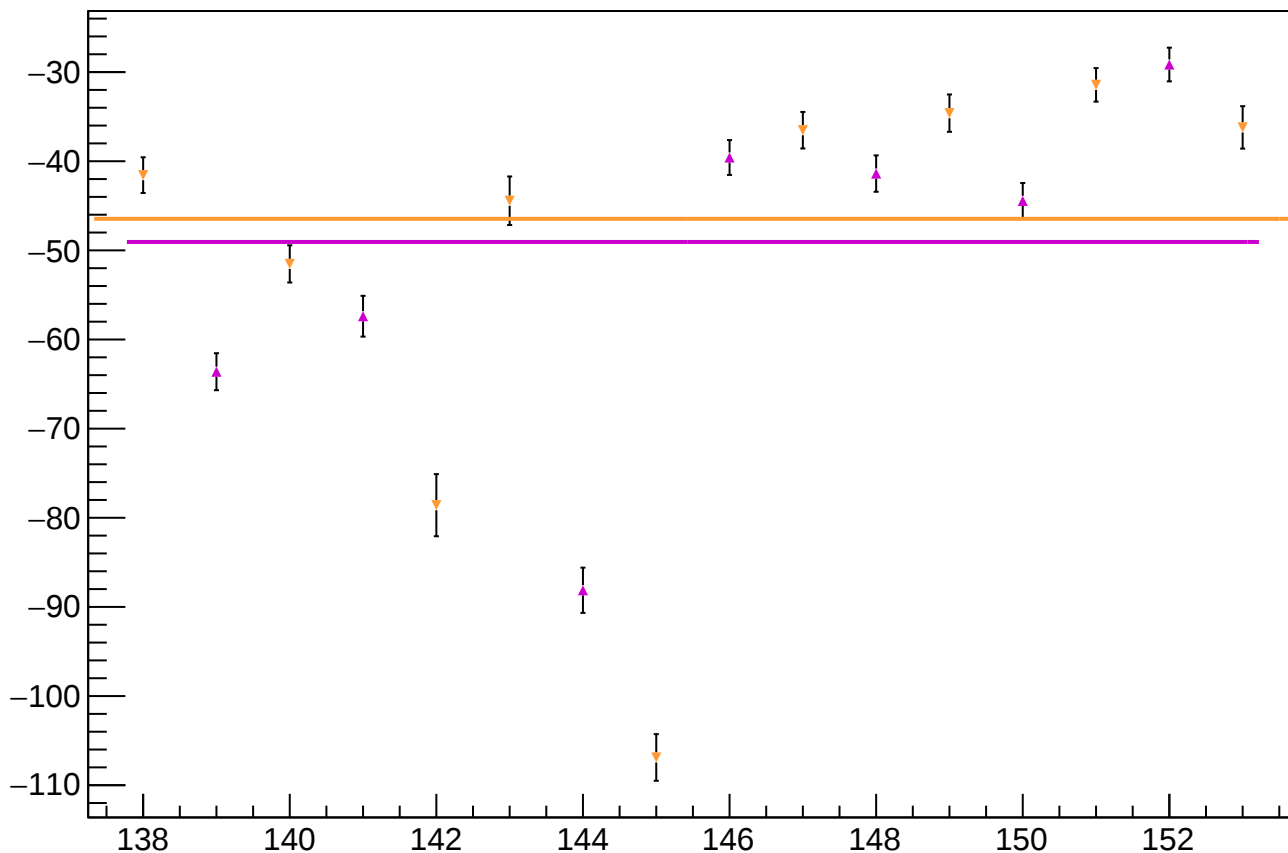
Right Out: 102.532 $\pm$ 0.079 χ^2/NDF : 53003.2/19

Left In: 122.433 $\pm$ 0.069 χ^2/NDF : 2073.9/6

117.929 $\pm$ 0.051 χ^2/NDF : 95370.4/25

113.892 $\pm$ 0.052 χ^2/NDF : 90857.5/26

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



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

Left Out: -46.460+/-0.752 χ^2/NDF : 767.5/8

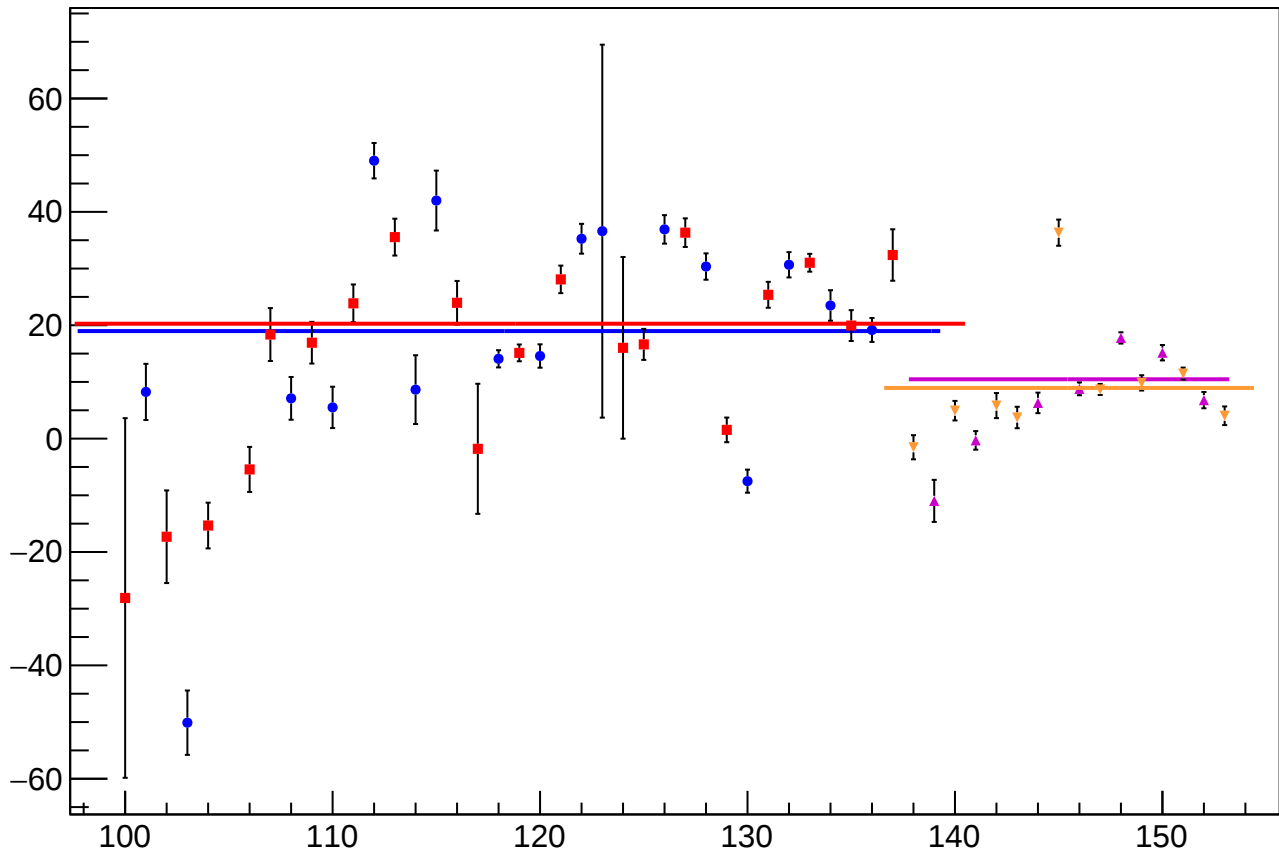
-46.460+/-0.752 χ^2/NDF : 767.5/8

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

Left In: -49.057+/-0.789 χ^2/NDF : 453.2/6

-49.057+/-0.789 χ^2/NDF : 453.2/6

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 18.970 ± 0.653 χ^2/NDF : 618.4/16

Left Out: 8.942 ± 0.495 χ^2/NDF : 194.7/8

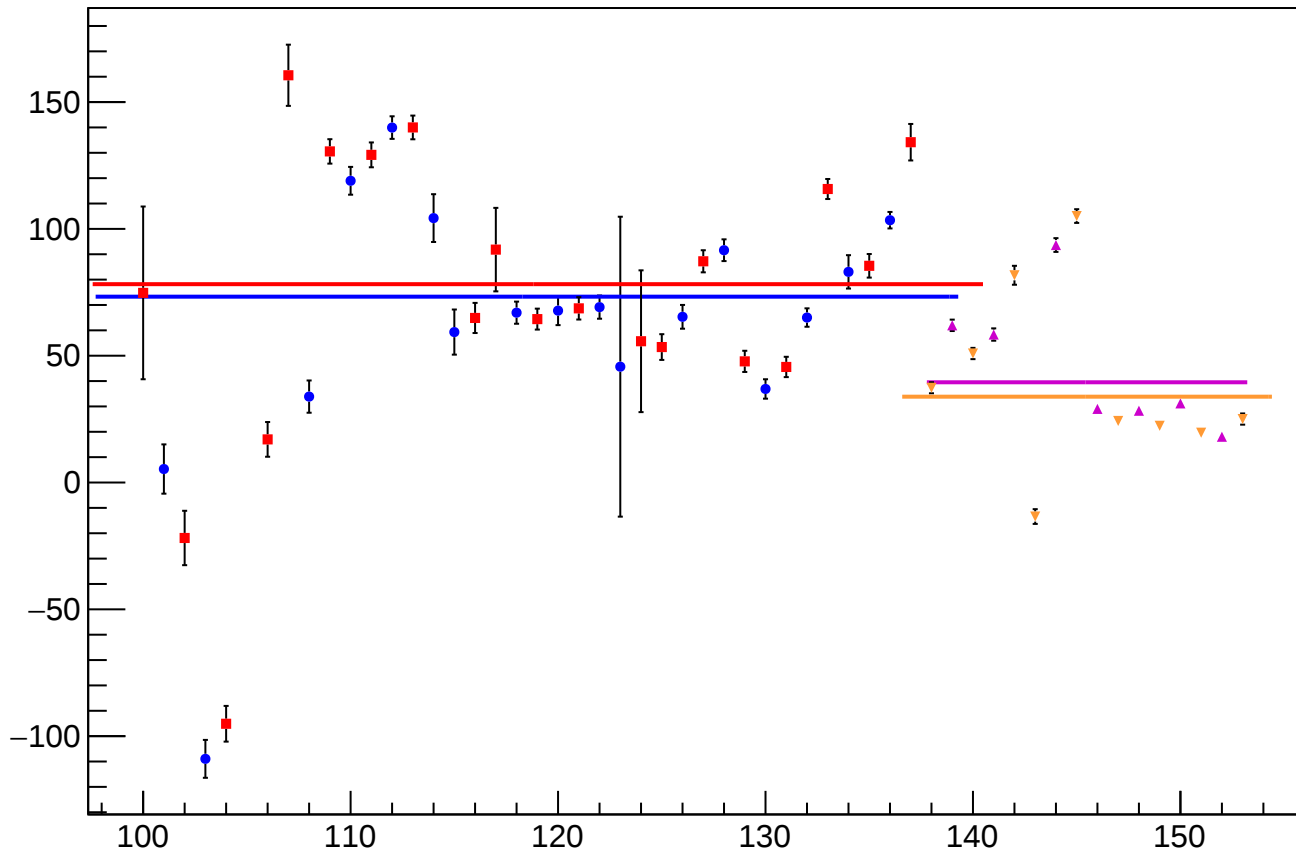
Right Out: 20.269 ± 0.641 χ^2/NDF : 370.1/19

Left In: 10.470 ± 0.530 χ^2/NDF : 156.6/6

12.600 ± 0.394 χ^2/NDF : 962.9/25

14.446 ± 0.408 χ^2/NDF : 665.5/26

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 73.278 ± 1.236 χ^2/NDF : 1198.6/16

Left Out: 33.845 ± 0.748 χ^2/NDF : 1321.1/8

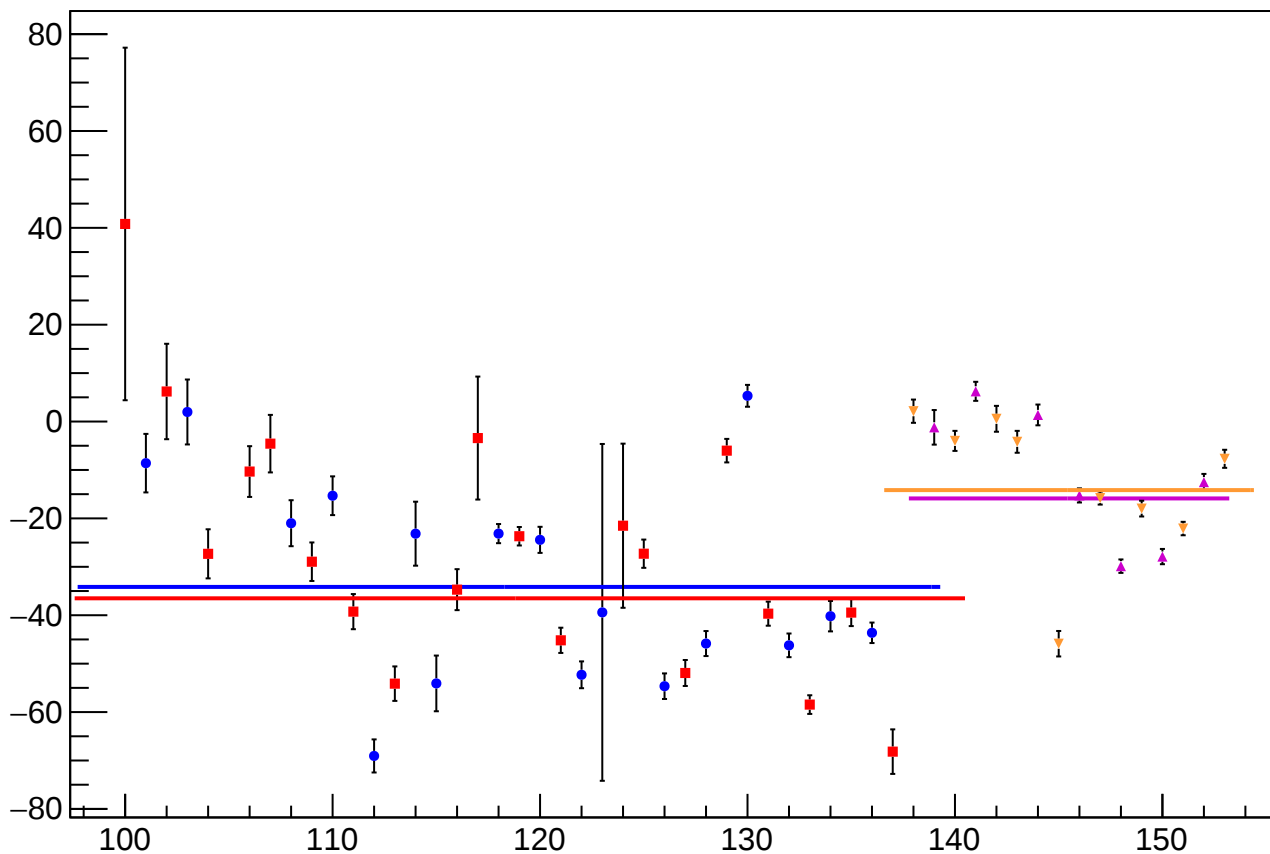
Right Out: 78.205 ± 1.219 χ^2/NDF : 1544.0/19

Left In: 39.521 ± 0.778 χ^2/NDF : 783.2/6

44.408 ± 0.640 χ^2/NDF : 3264.4/25

50.725 ± 0.656 χ^2/NDF : 3042.4/26

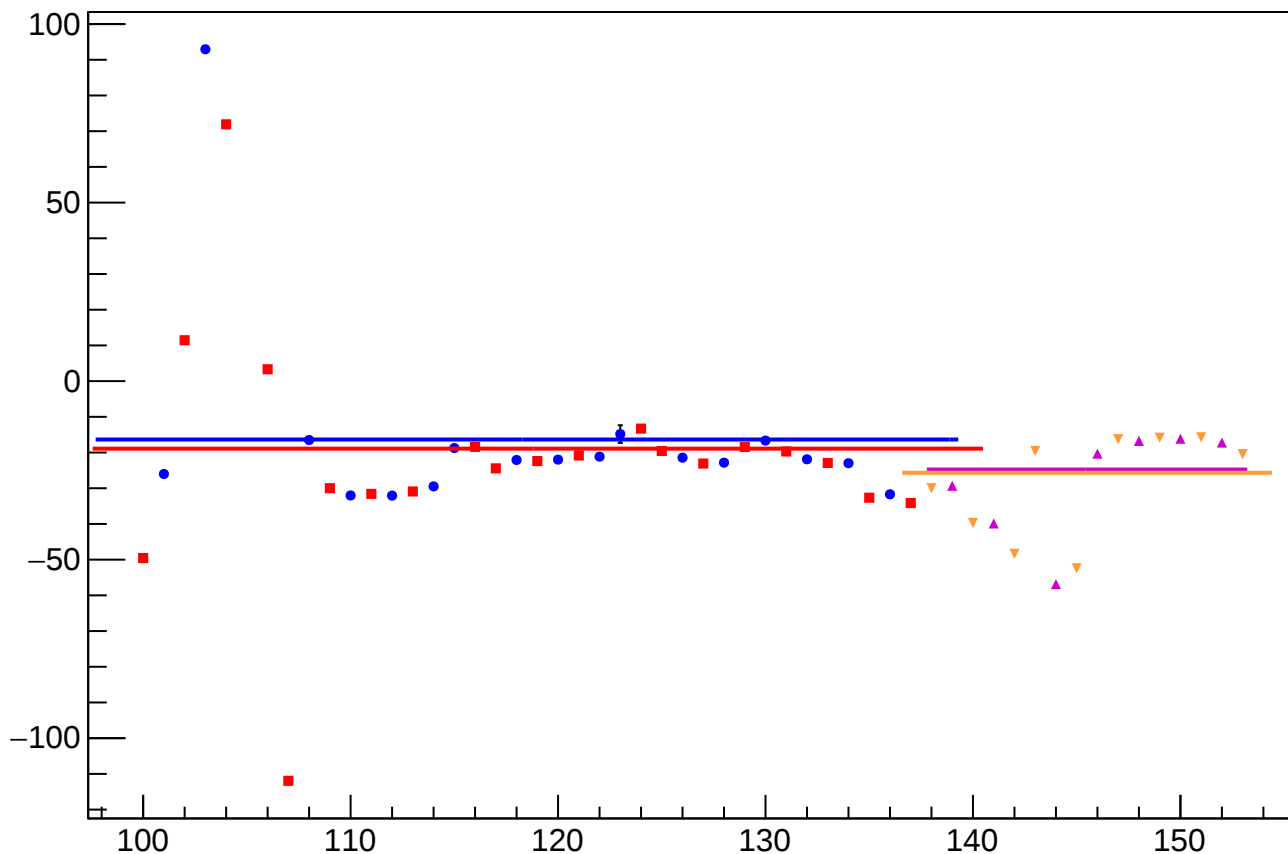
reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



-22.293 ± 0.475 $\chi^2/\text{NDF}: 1462.1/25$

-25.098 ± 0.491 $\chi^2/\text{NDF}: 1361.8/26$

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -16.349 ± 0.045 $\chi^2/\text{NDF}: 474192.3/16$

Left Out: -25.667 ± 0.031 $\chi^2/\text{NDF}: 156736.4/8$

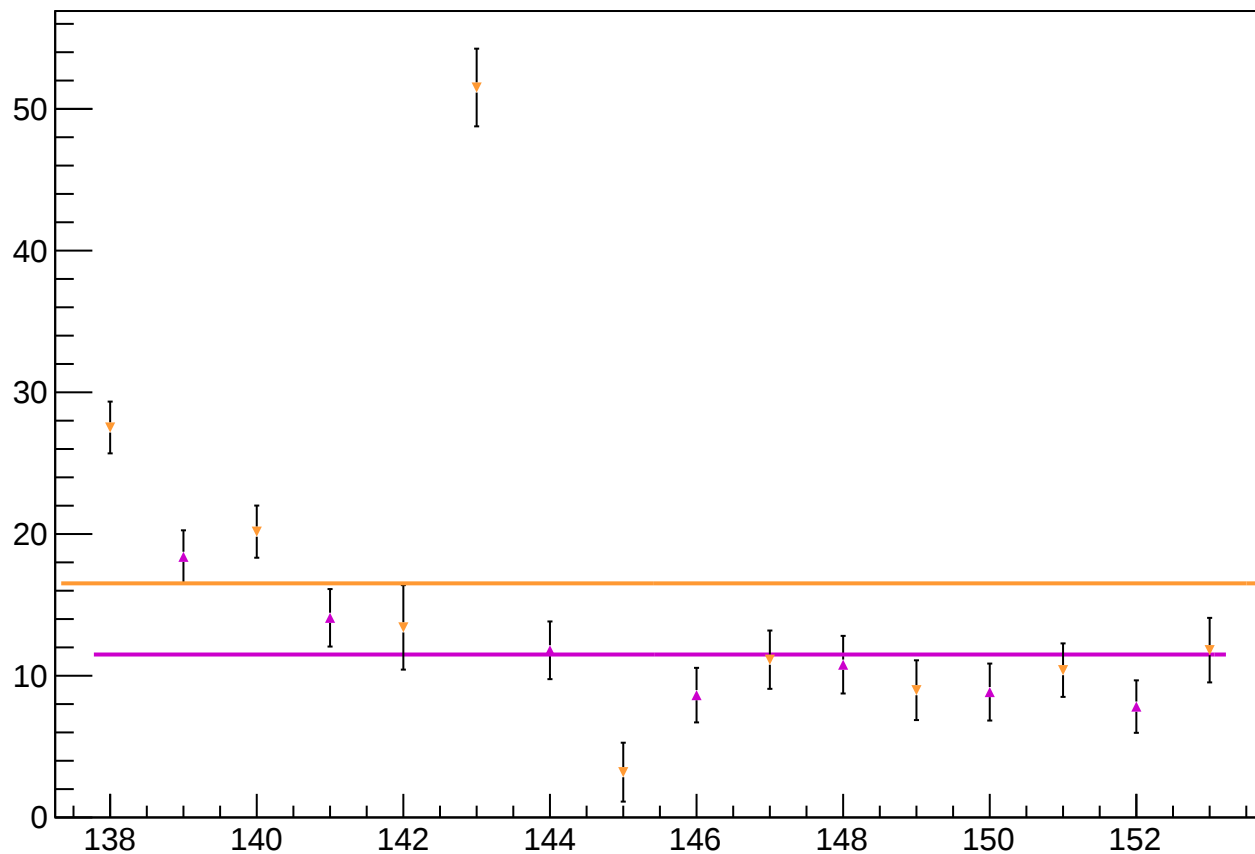
Right Out: -18.906 ± 0.045 $\chi^2/\text{NDF}: 433847.1/19$

Left In: -24.762 ± 0.032 $\chi^2/\text{NDF}: 134352.5/6$

-22.634 ± 0.025 $\chi^2/\text{NDF}: 660314.6/25$

-22.789 ± 0.026 $\chi^2/\text{NDF}: 579322.1/26$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



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

Left Out: 16.519+/-0.706 χ^2/NDF : 279.7/8

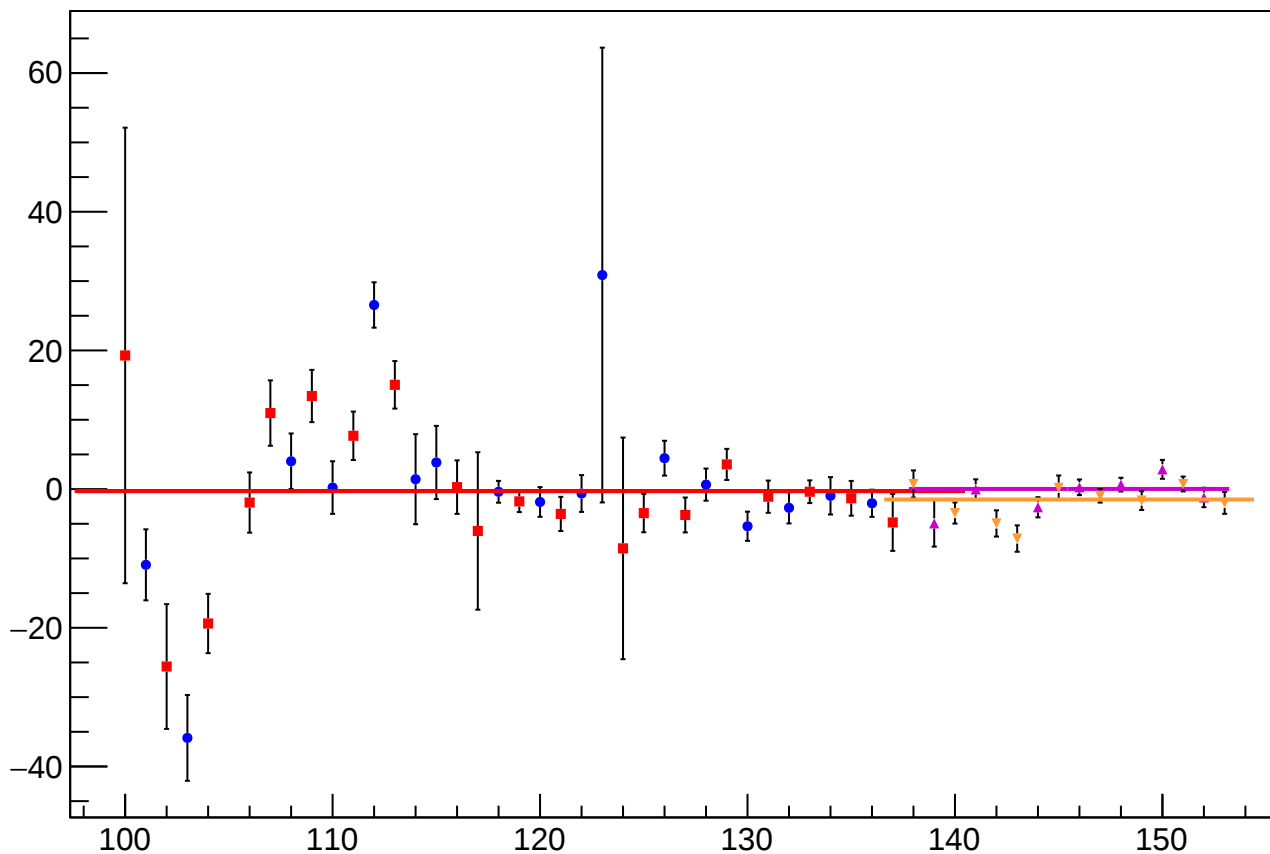
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 11.498+/-0.741 χ^2/NDF : 23.3/6

16.519+/-0.706 χ^2/NDF : 279.7/8

11.498+/-0.741 χ^2/NDF : 23.3/6

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.280 ± 0.662 χ^2/NDF : 119.5/16

Left Out: -1.503 ± 0.475 χ^2/NDF : 20.7/8

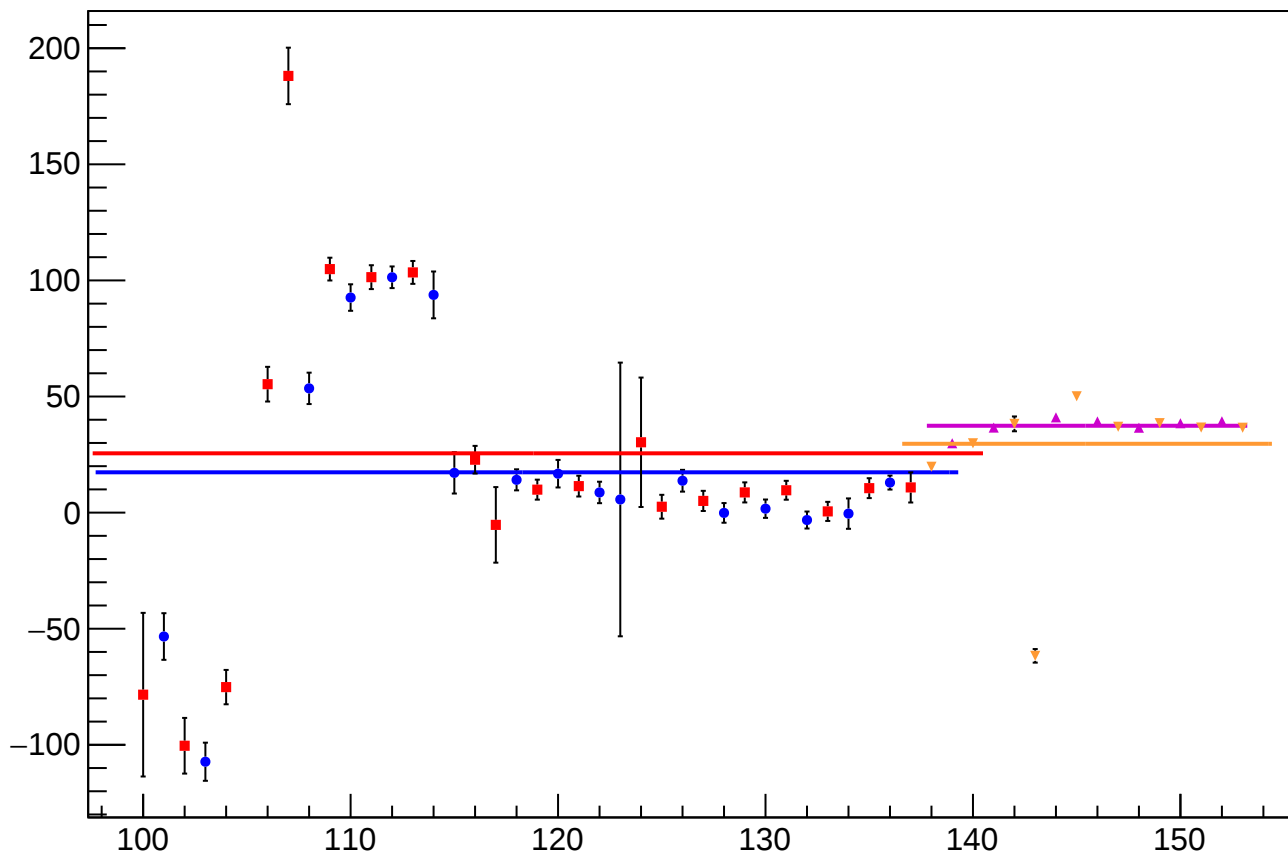
Right Out: -0.289 ± 0.655 χ^2/NDF : 83.4/19

Left In: 0.025 ± 0.507 χ^2/NDF : 11.0/6

-1.087 ± 0.386 χ^2/NDF : 142.5/25

-0.093 ± 0.401 χ^2/NDF : 94.6/26

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 17.361 $\pm$ 1.247 χ^2 /NDF: 943.0/16

Left Out: 29.643 $\pm$ 0.707 χ^2 /NDF:1154.8/8

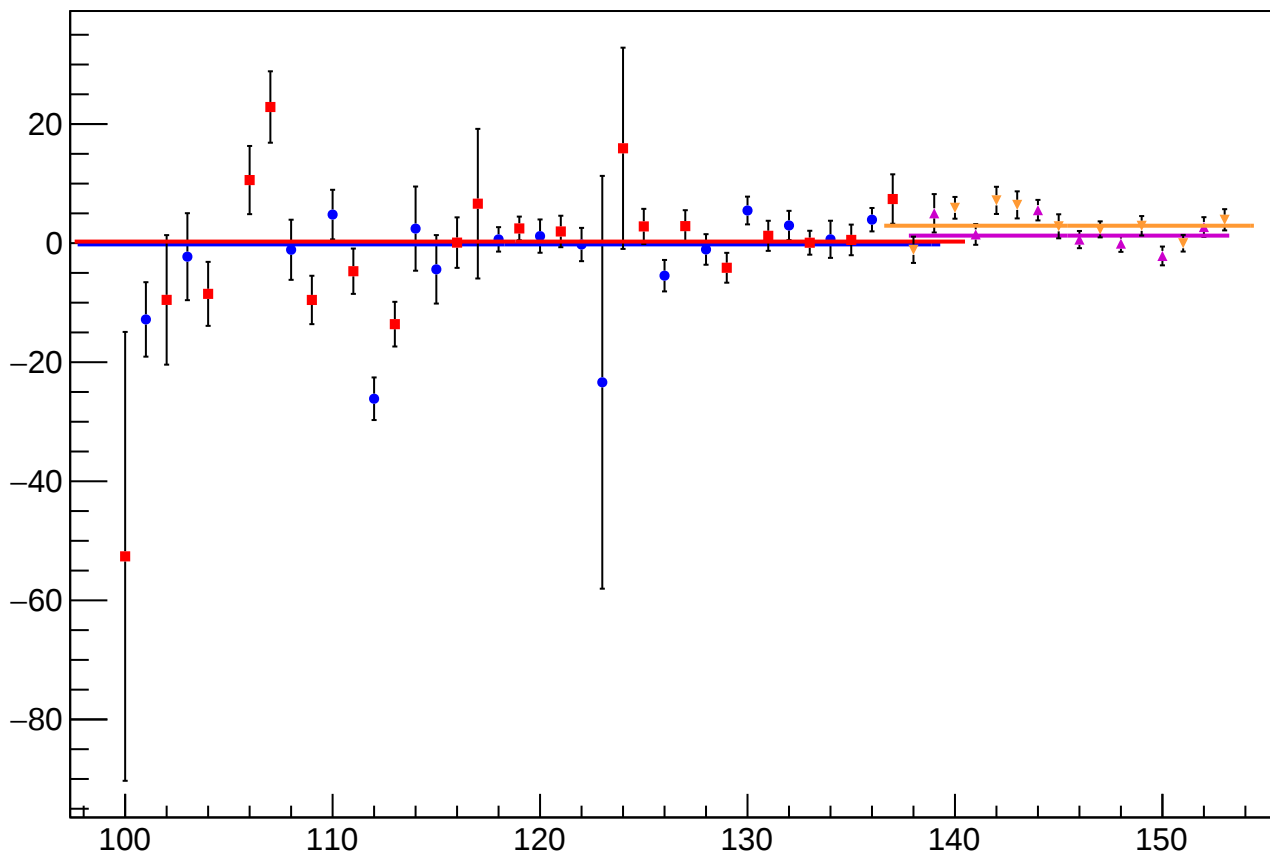
Right Out: 25.537 $\pm$ 1.239 χ^2 /NDF: 1382.4/19

Left In: 37.408 $\pm$ 0.737 χ^2 /NDF:19.5/6

26.653 $\pm$ 0.615 χ^2 /NDF: 2171.2/25

34.306 $\pm$ 0.634 χ^2 /NDF: 1469.7/26

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -0.211 +/- 0.752 χ^2/NDF : 75.9/16

Left Out: 2.926 +/- 0.589 χ^2/NDF : 16.9/8

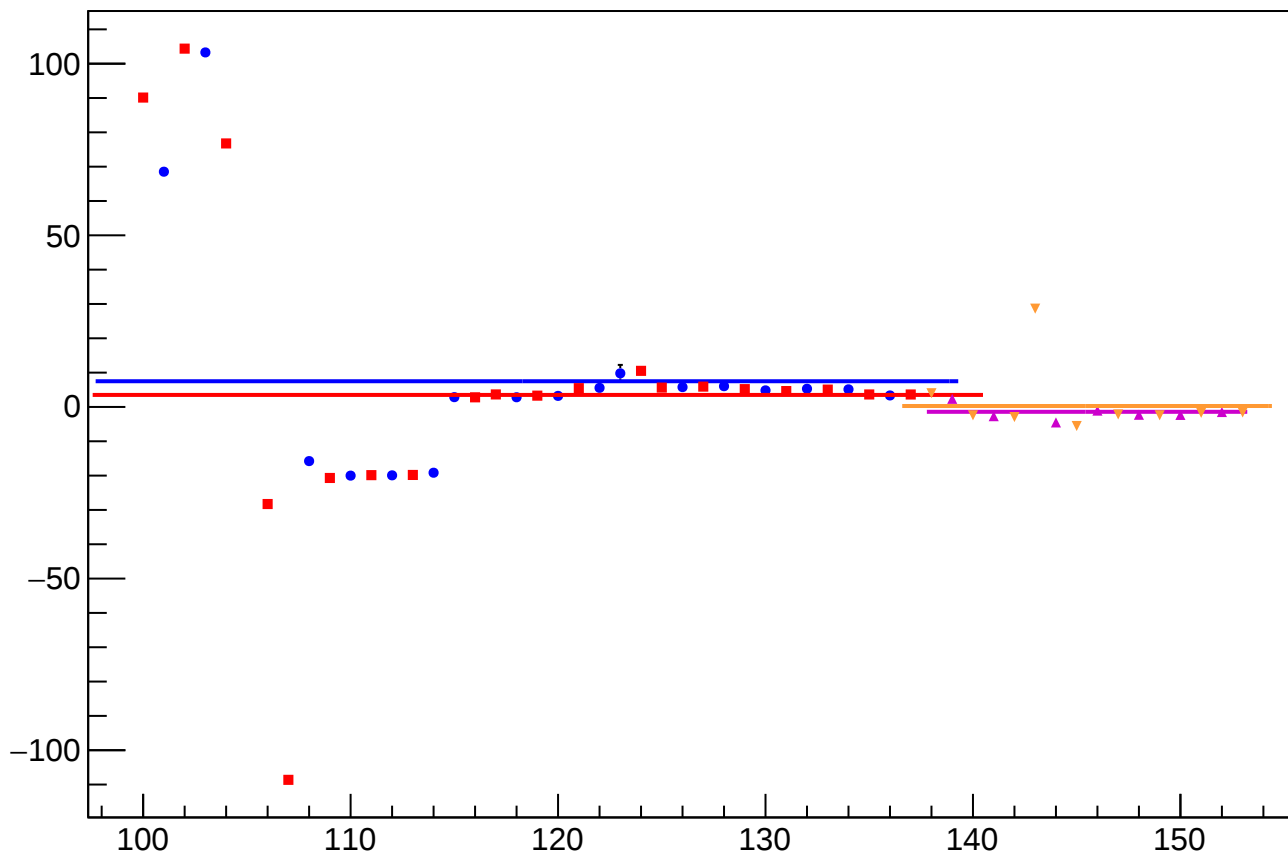
Right Out: 0.262 +/- 0.747 χ^2/NDF : 54.8/19

Left In: 1.262 +/- 0.629 χ^2/NDF : 14.1/6

1.734 +/- 0.463 χ^2/NDF : 103.5/25

0.847 +/- 0.481 χ^2/NDF : 69.9/26

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 7.492+/-0.045 χ^2/NDF : 355979.0/16

Left Out: 0.277+/-0.029 χ^2/NDF : 70280.7/8

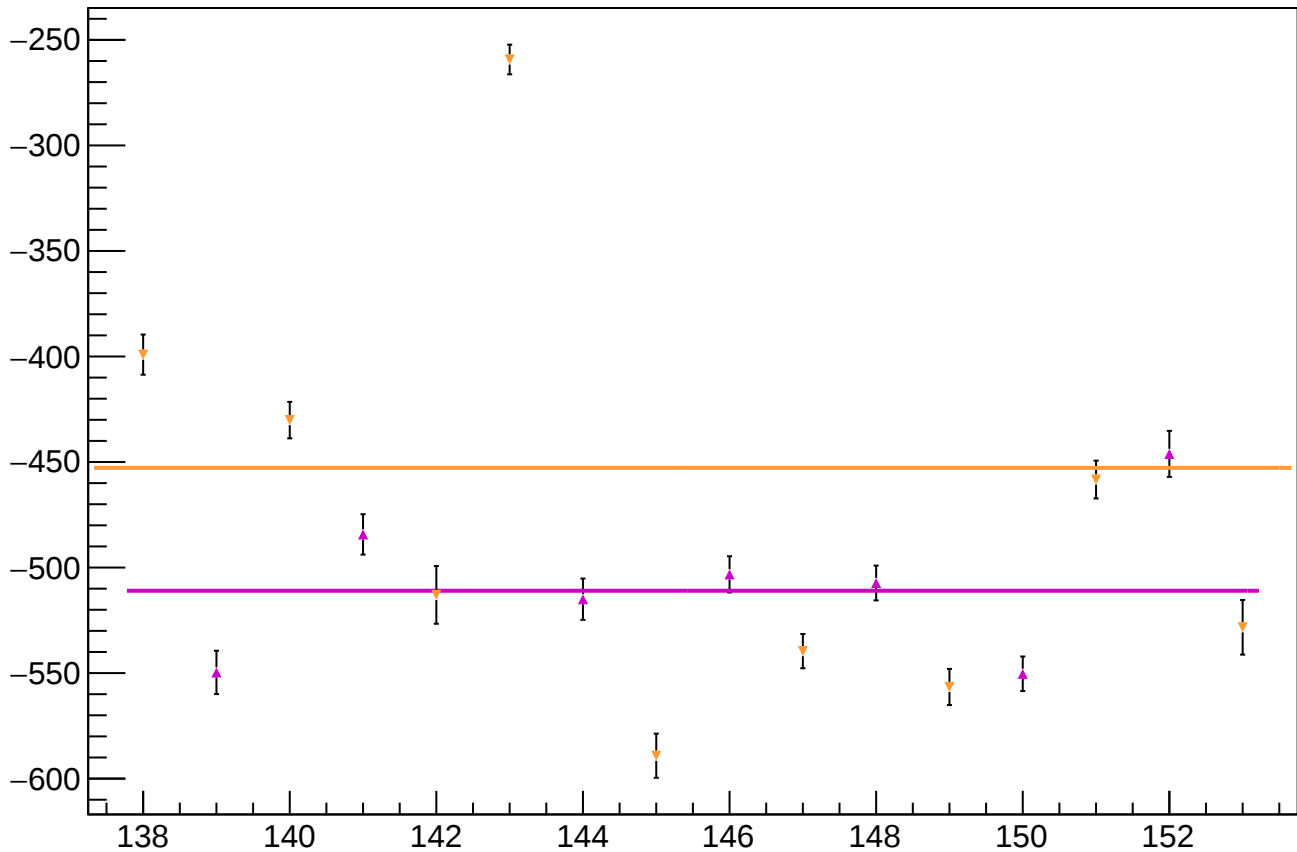
Right Out: 3.504+/-0.046 χ^2/NDF : 510579.5/19

Left In: -1.417+/-0.030 χ^2/NDF : 4349.3/6

2.434+/-0.024 χ^2/NDF : 444578.9/25

0.101+/-0.025 χ^2/NDF : 523004.3/26

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -452.754+/-3.064 χ^2/NDF :1284.0/8

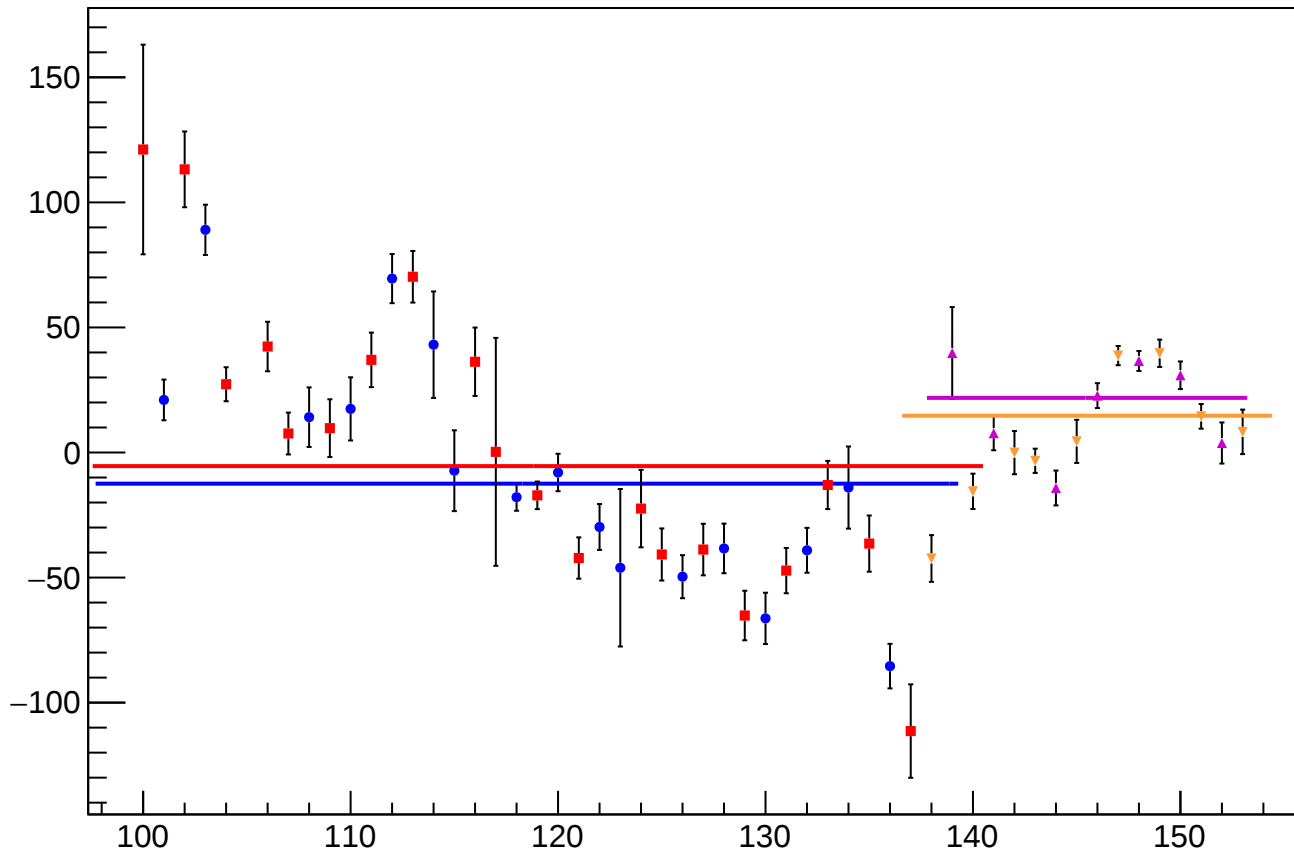
-452.754+/-3.064 χ^2/NDF : 1284.0/8

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

-510.978+/-3.482 χ^2/NDF : 81.6/6

Left In: -510.978+/-3.482 χ^2/NDF :81.6/6

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: -12.458 ± 2.349 χ^2/NDF : 341.1/16

Left Out: 14.710 ± 1.977 χ^2/NDF : 134.2/8

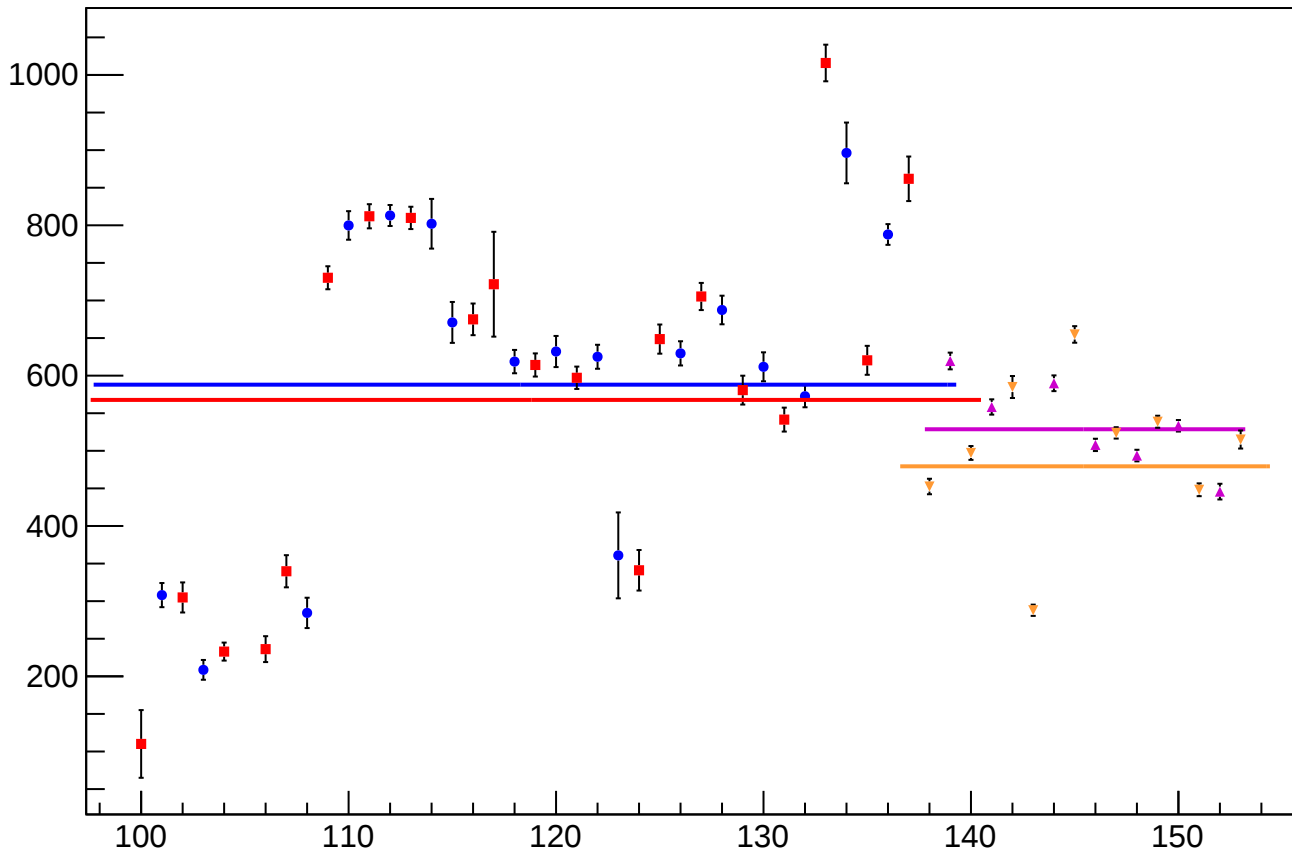
Right Out: -5.439 ± 2.256 χ^2/NDF : 345.0/19

Left In: 21.842 ± 2.260 χ^2/NDF : 53.2/6

3.441 ± 1.513 χ^2/NDF : 553.6/25

8.179 ± 1.596 χ^2/NDF : 471.2/26

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 587.994 ± 4.353 $\chi^2/\text{NDF}: 2129.6/16$

Left Out: 479.368 ± 3.077 $\chi^2/\text{NDF}: 1080.9/8$

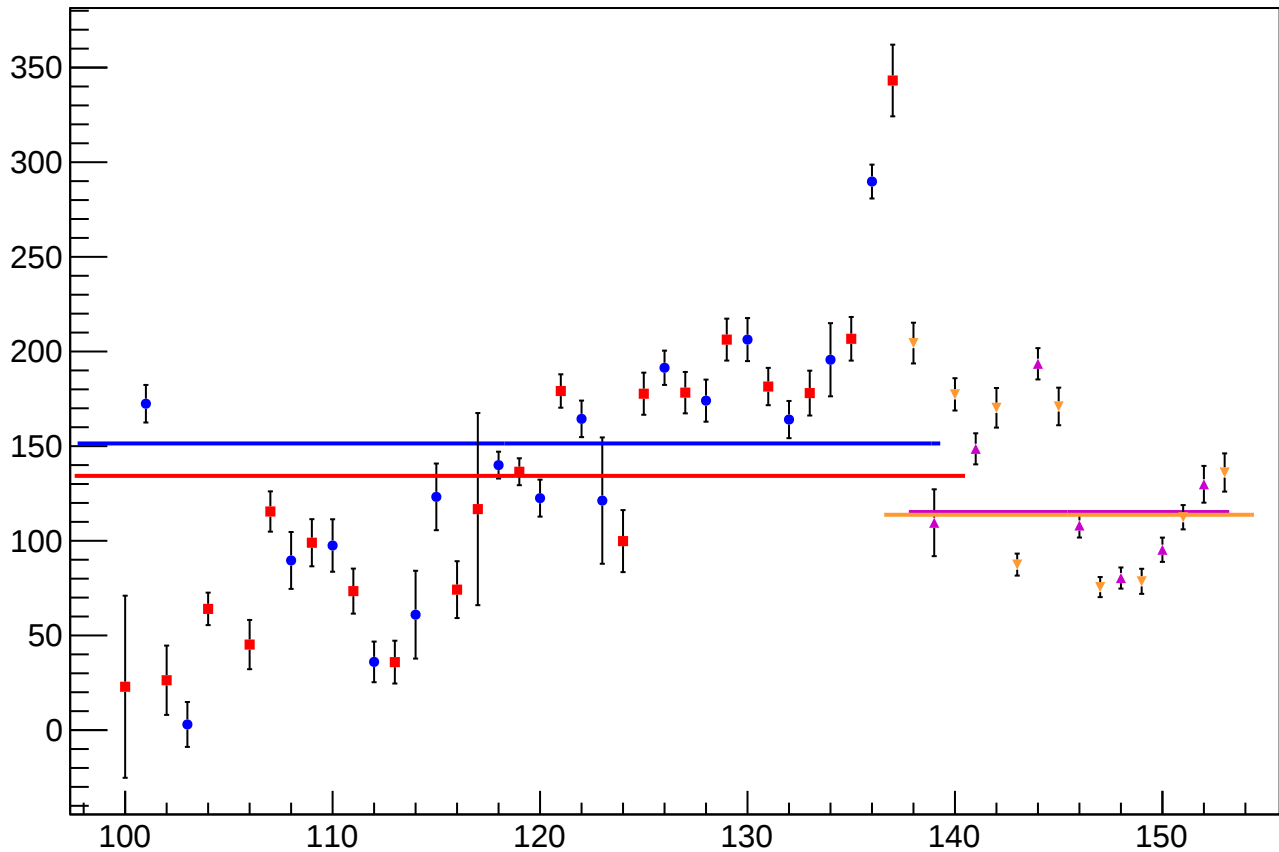
Right Out: 567.720 ± 4.129 $\chi^2/\text{NDF}: 2788.1/19$

Left In: 528.679 ± 3.435 $\chi^2/\text{NDF}: 199.7/6$

515.559 ± 2.512 $\chi^2/\text{NDF}: 3625.8/25$

544.651 ± 2.641 $\chi^2/\text{NDF}: 3040.6/26$

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 151.421+/-2.709 χ^2/NDF : 633.3/16

Left Out: 113.753+/-2.471 χ^2/NDF : 294.4/8

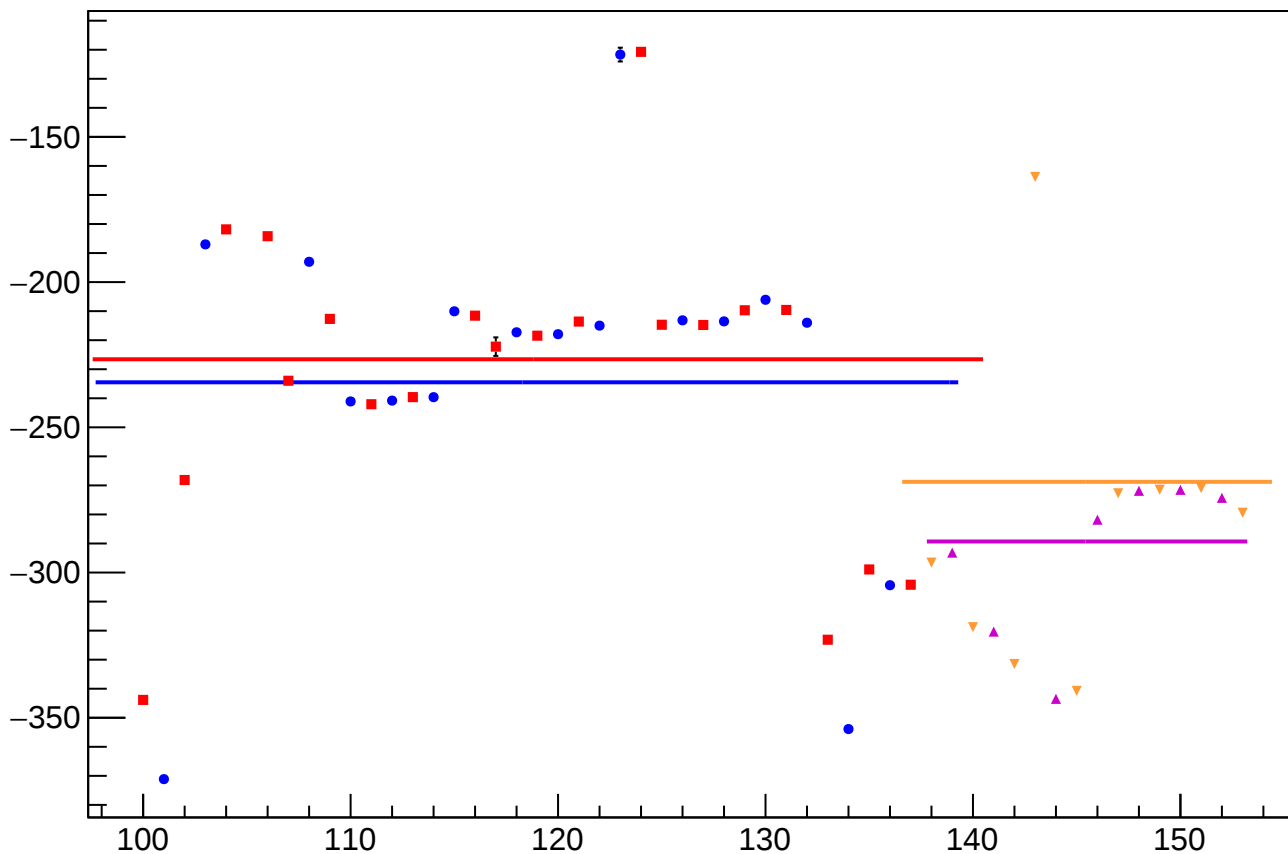
Right Out: 134.299+/-2.612 χ^2/NDF : 585.0/19

Left In: 115.196+/-2.836 χ^2/NDF : 158.5/6

130.863+/-1.826 χ^2/NDF : 1033.2/25

125.531+/-1.921 χ^2/NDF : 768.1/26

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -234.501+/-0.149 χ^2/NDF : 145046.5/16

Left Out: -268.763+/-0.129 χ^2/NDF : 181599.8/8

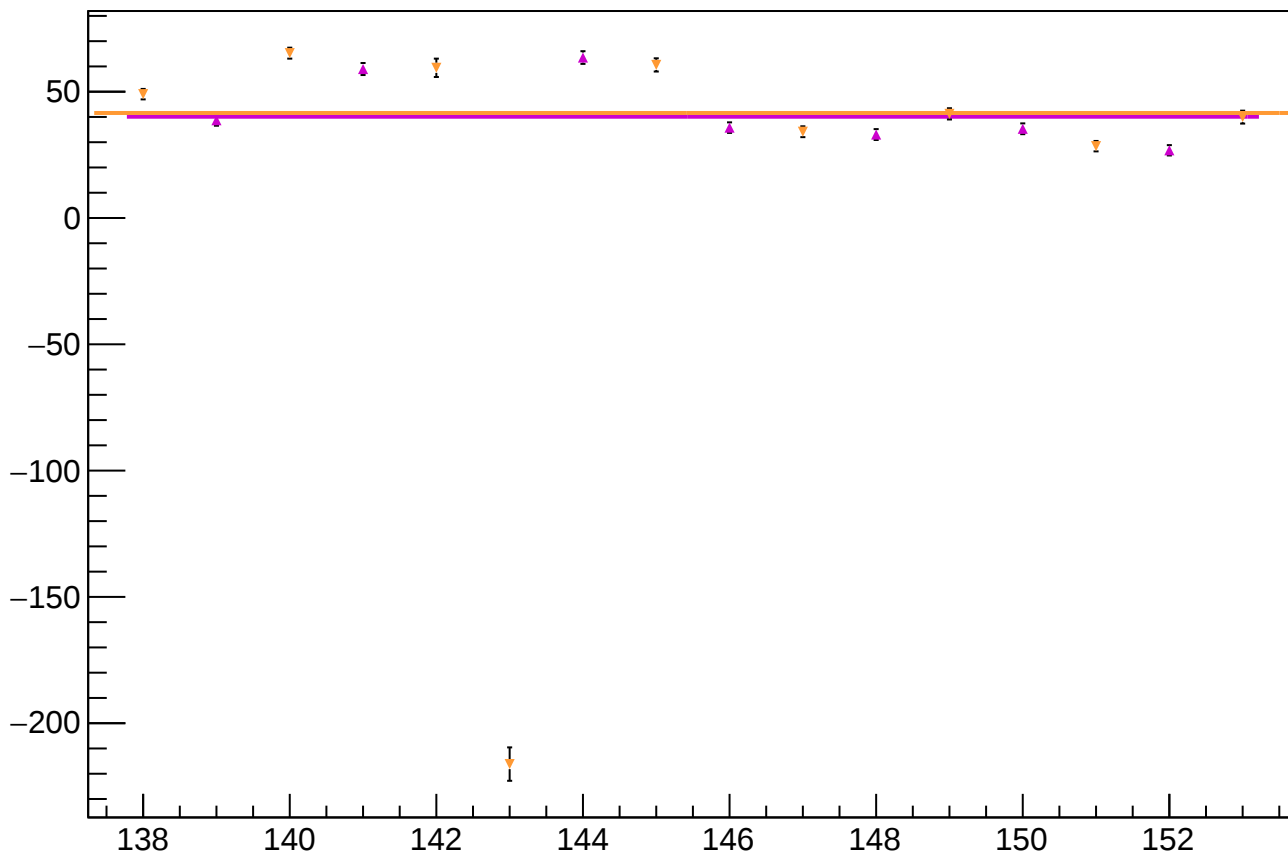
Right Out: -226.572+/-0.141 χ^2/NDF : 98970.7/19

Left In: -289.307+/-0.144 χ^2/NDF : 27234.1/6

-254.097+/-0.098 χ^2/NDF : 356877.0/25

-257.421+/-0.101 χ^2/NDF : 223176.2/26

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 41.575+/-0.817 χ^2/NDF :1781.4/8

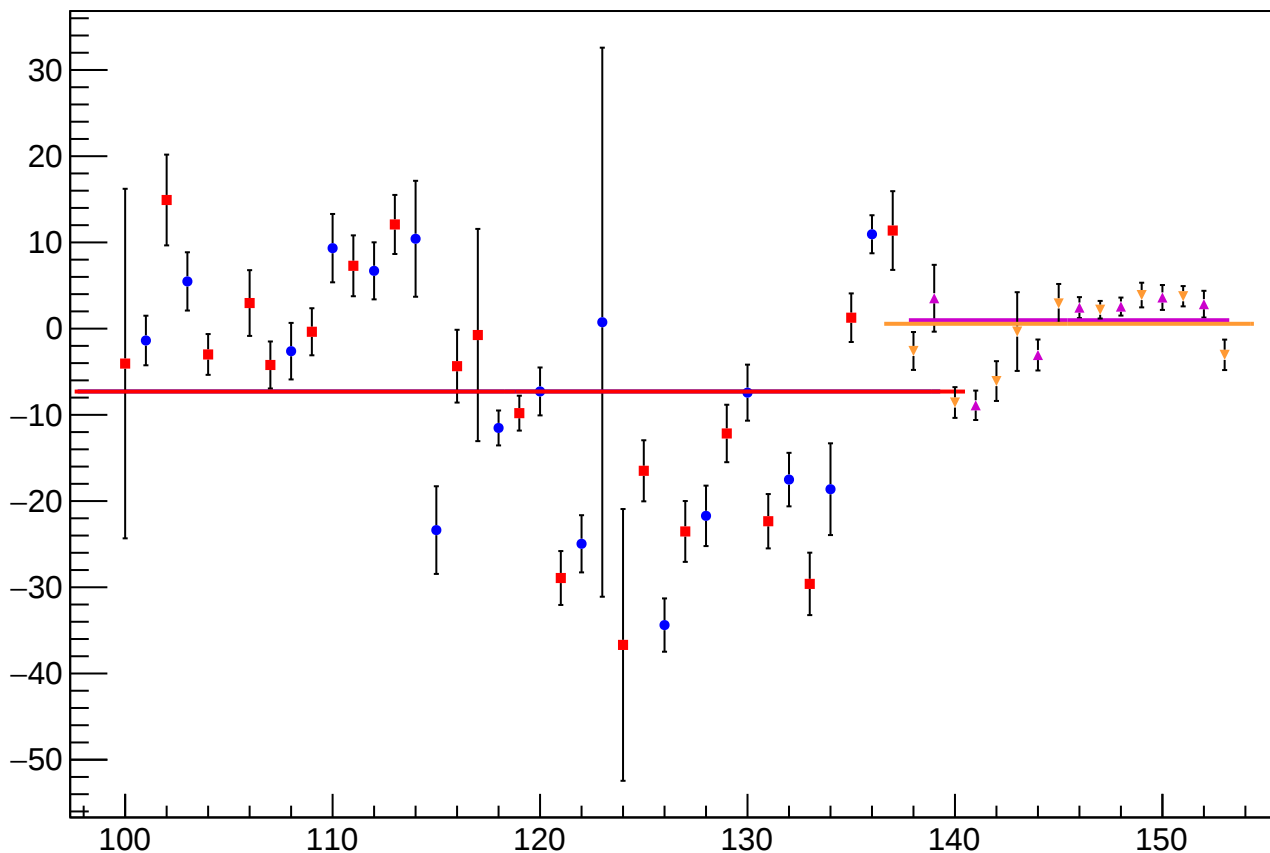
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 40.095+/-0.830 χ^2/NDF :212.4/6

41.575+/-0.817 χ^2/NDF : 1781.4/8

40.095+/-0.830 χ^2/NDF : 212.4/6

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -7.284 ± 0.789 χ^2/NDF : 283.2/16

Left Out: 0.561 ± 0.539 χ^2/NDF : 57.2/8

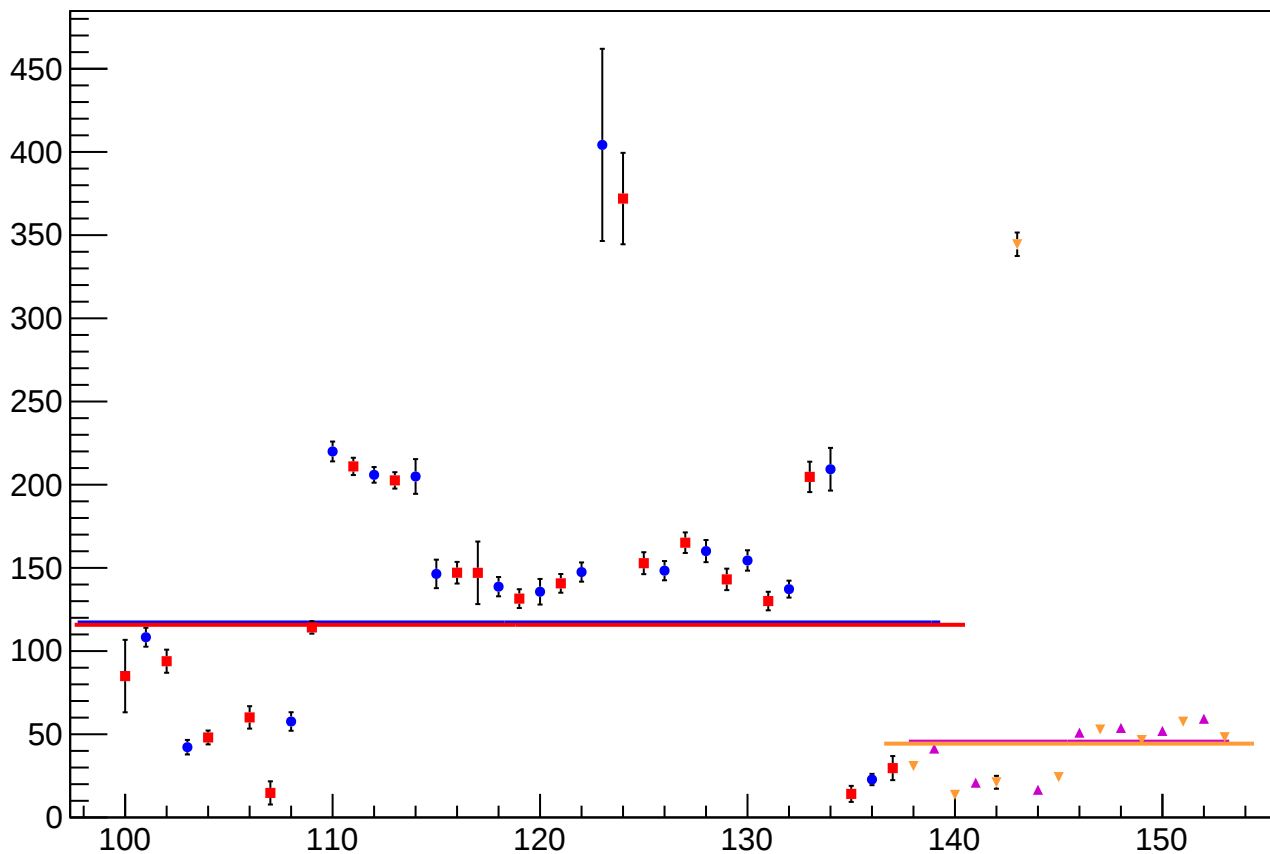
Right Out: -7.298 ± 0.759 χ^2/NDF : 255.6/19

Left In: 0.976 ± 0.558 χ^2/NDF : 47.5/6

-1.934 ± 0.445 χ^2/NDF : 407.9/25

-1.928 ± 0.450 χ^2/NDF : 380.1/26

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 117.187 $\pm$ 1.416 χ^2/NDF : 2161.0/16

Left Out: 44.372 $\pm$ 0.811 χ^2/NDF : 2178.5/8

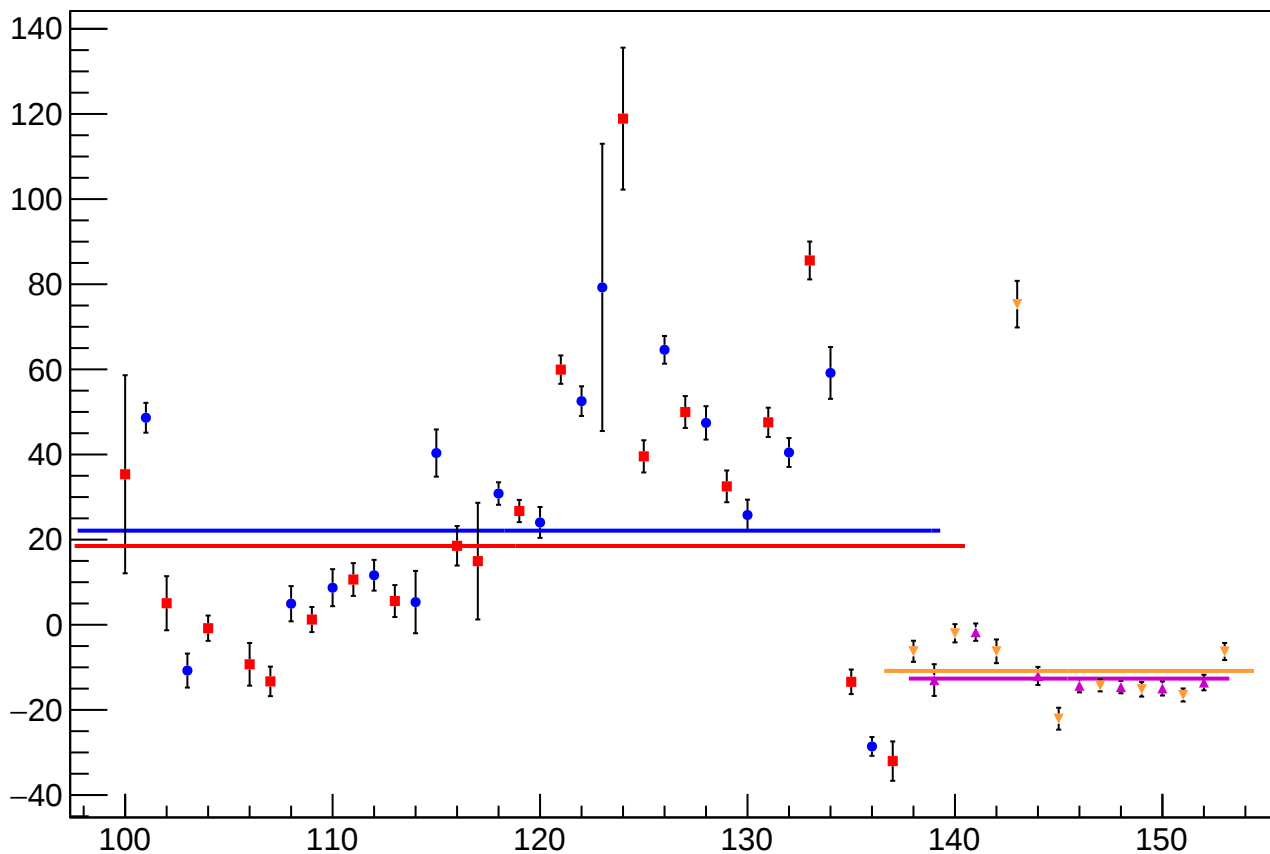
Right Out: 115.795 $\pm$ 1.357 χ^2/NDF : 2140.4/19

Left In: 45.556 $\pm$ 0.821 χ^2/NDF : 297.7/6

62.355 $\pm$ 0.704 χ^2/NDF : 6329.8/25

64.361 $\pm$ 0.702 χ^2/NDF : 4398.6/26

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 22.110 $\pm$ 0.898 χ^2 /NDF: 1070.3/16

Left Out: -10.841 $\pm$ 0.672 χ^2 /NDF: 320.7/8

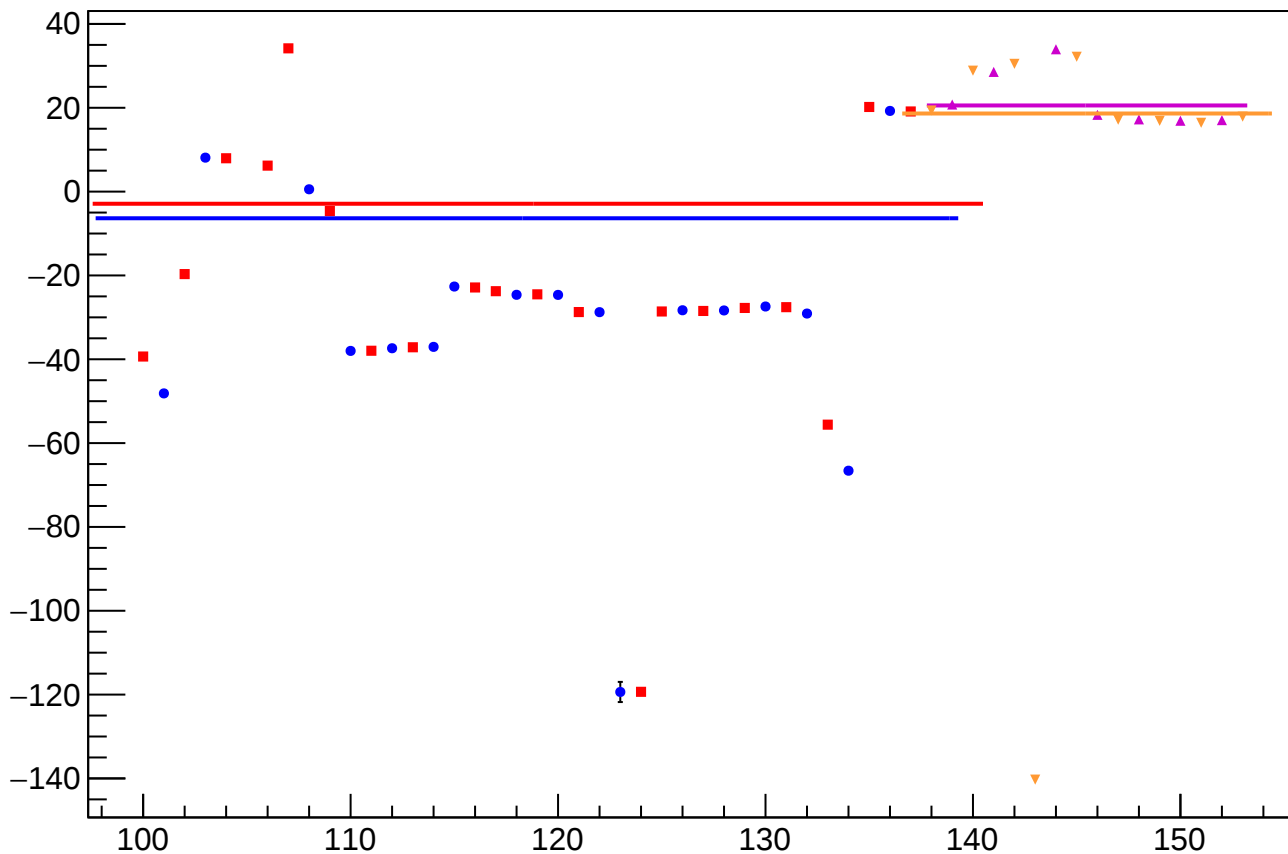
Right Out: 18.506 $\pm$ 0.869 χ^2 /NDF: 1068.6/19

Left In: -12.646 $\pm$ 0.696 χ^2 /NDF: 33.7/6

0.994 $\pm$ 0.538 χ^2 /NDF: 2253.6/25

-0.488 $\pm$ 0.543 χ^2 /NDF: 1885.2/26

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -6.360 ± 0.046 $\chi^2/\text{NDF}: 264750.9/16$

Left Out: 18.633 ± 0.034 $\chi^2/\text{NDF}: 348553.3/8$

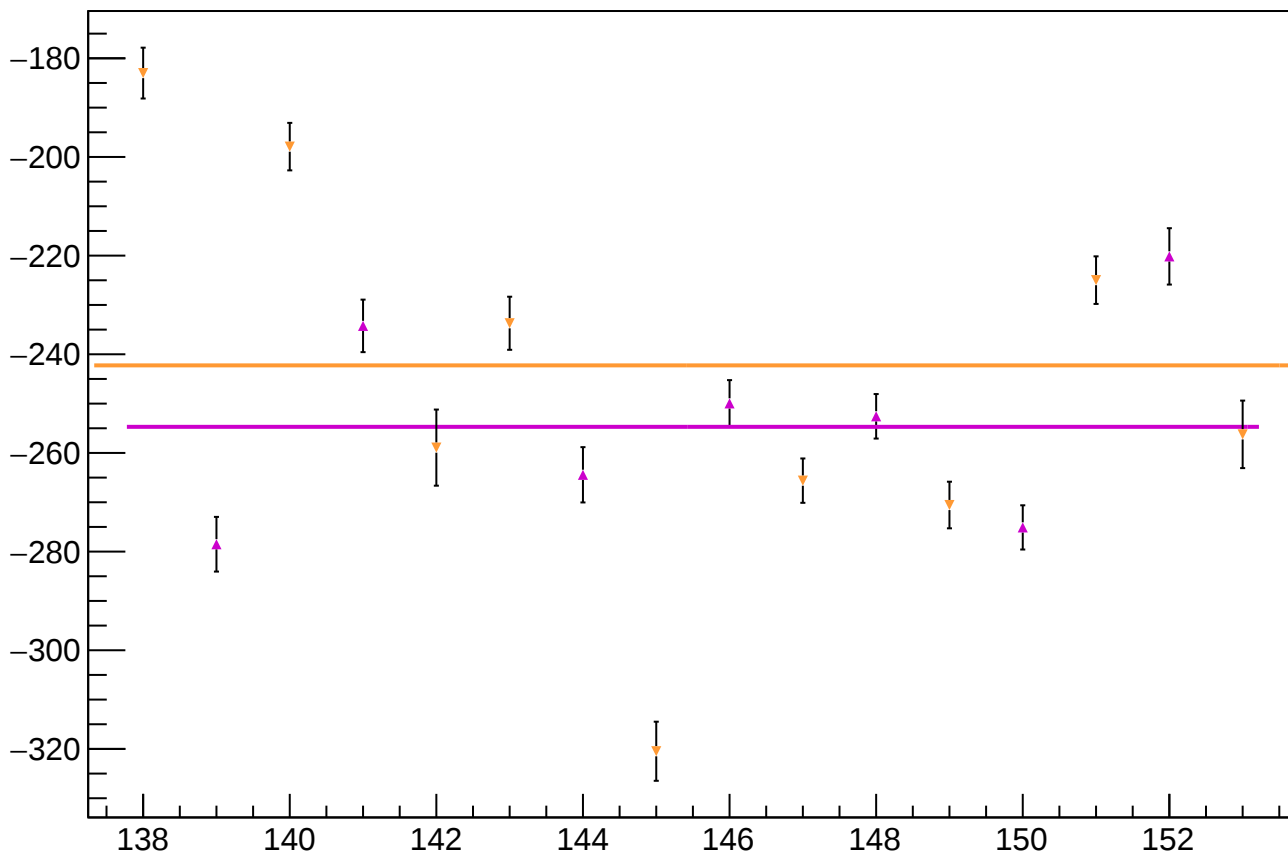
Right Out: -2.896 ± 0.046 $\chi^2/\text{NDF}: 266162.6/19$

Left In: 20.553 ± 0.034 $\chi^2/\text{NDF}: 25032.8/6$

9.994 ± 0.027 $\chi^2/\text{NDF}: 803861.1/25$

12.205 ± 0.027 $\chi^2/\text{NDF}: 460891.6/26$

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -242.250+/-1.772 χ^2/NDF : 474.6/8

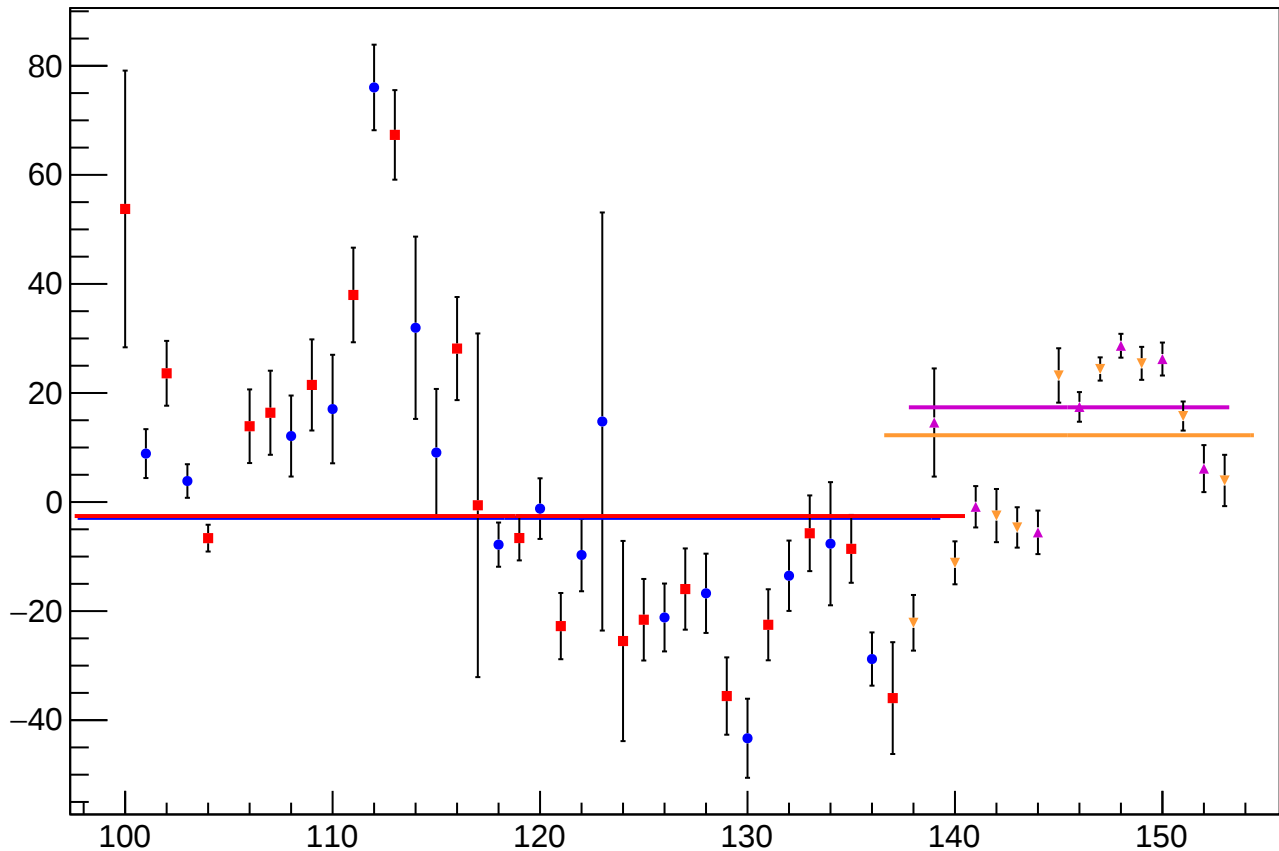
-242.250+/-1.772 χ^2/NDF : 474.6/8

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

-254.708+/-1.910 χ^2/NDF : 94.7/6

Left In: -254.708+/-1.910 χ^2/NDF : 94.7/6

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: -2.901 ± 1.467 χ^2/NDF : 203.6/16

Left Out: 12.251 ± 1.137 χ^2/NDF : 171.9/8

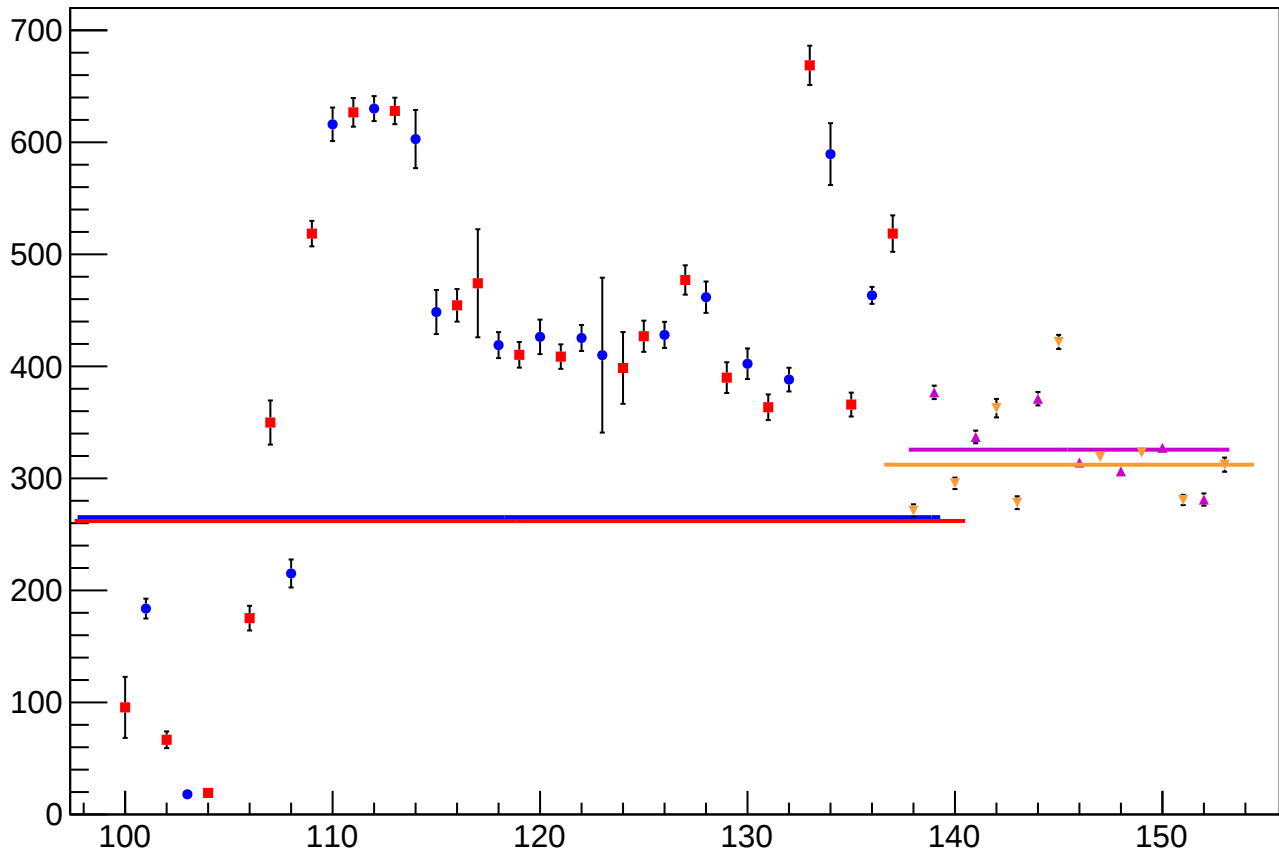
Right Out: -2.566 ± 1.395 χ^2/NDF : 218.2/19

Left In: 17.373 ± 1.240 χ^2/NDF : 98.3/6

6.565 ± 0.899 χ^2/NDF : 442.1/25

8.572 ± 0.927 χ^2/NDF : 430.6/26

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 265.369 $\pm$ 2.488 χ^2 /NDF: 7633.8/16

Left Out: 312.208 $\pm$ 1.766 χ^2 /NDF:495.5/8

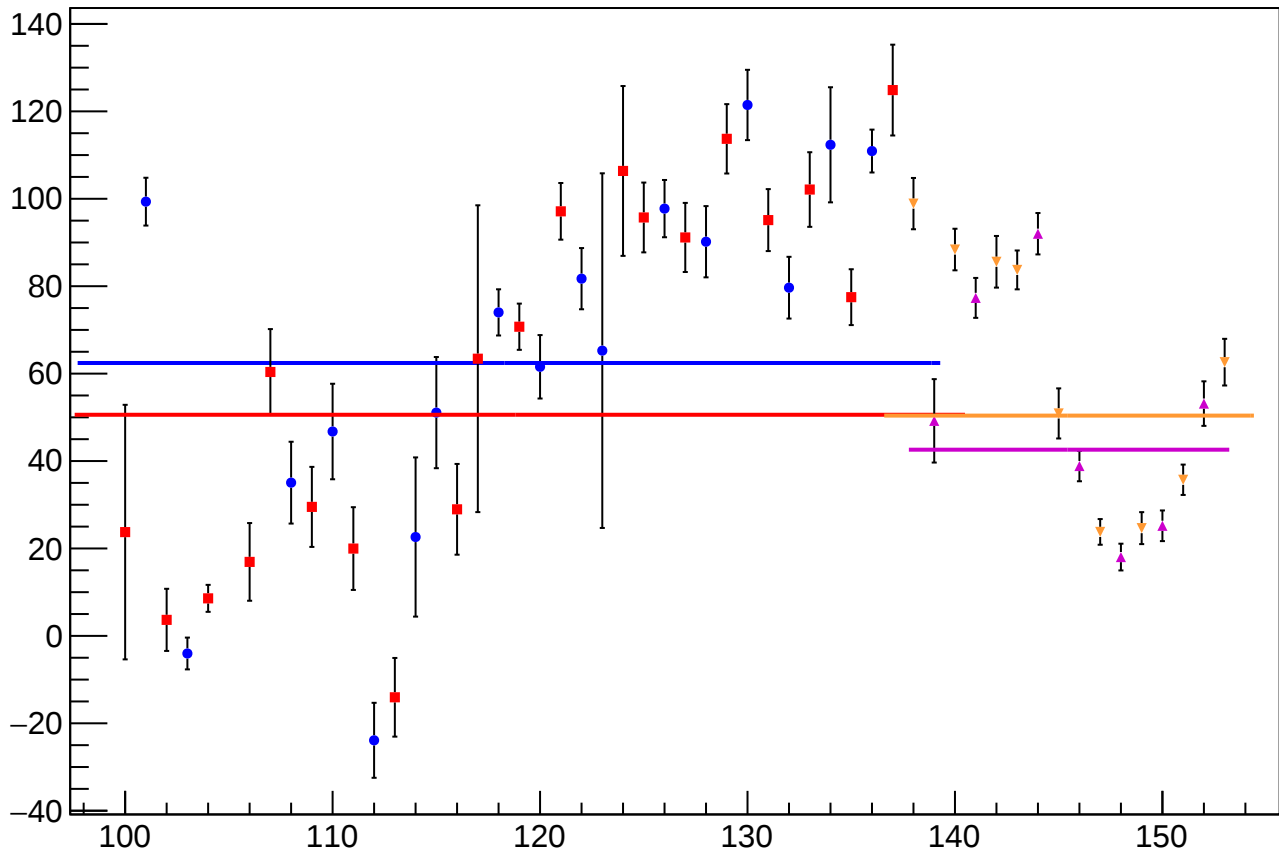
Right Out: 262.016 $\pm$ 2.455 χ^2 /NDF: 8223.7/19

Left In: 325.627 $\pm$ 1.882 χ^2 /NDF:227.9/6

296.510 $\pm$ 1.440 χ^2 /NDF: 8364.9/25

302.072 $\pm$ 1.494 χ^2 /NDF: 8874.5/26

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 62.434+/-1.694 χ^2/NDF : 721.8/16

Left Out: 50.396+/-1.426 χ^2/NDF : 378.5/8

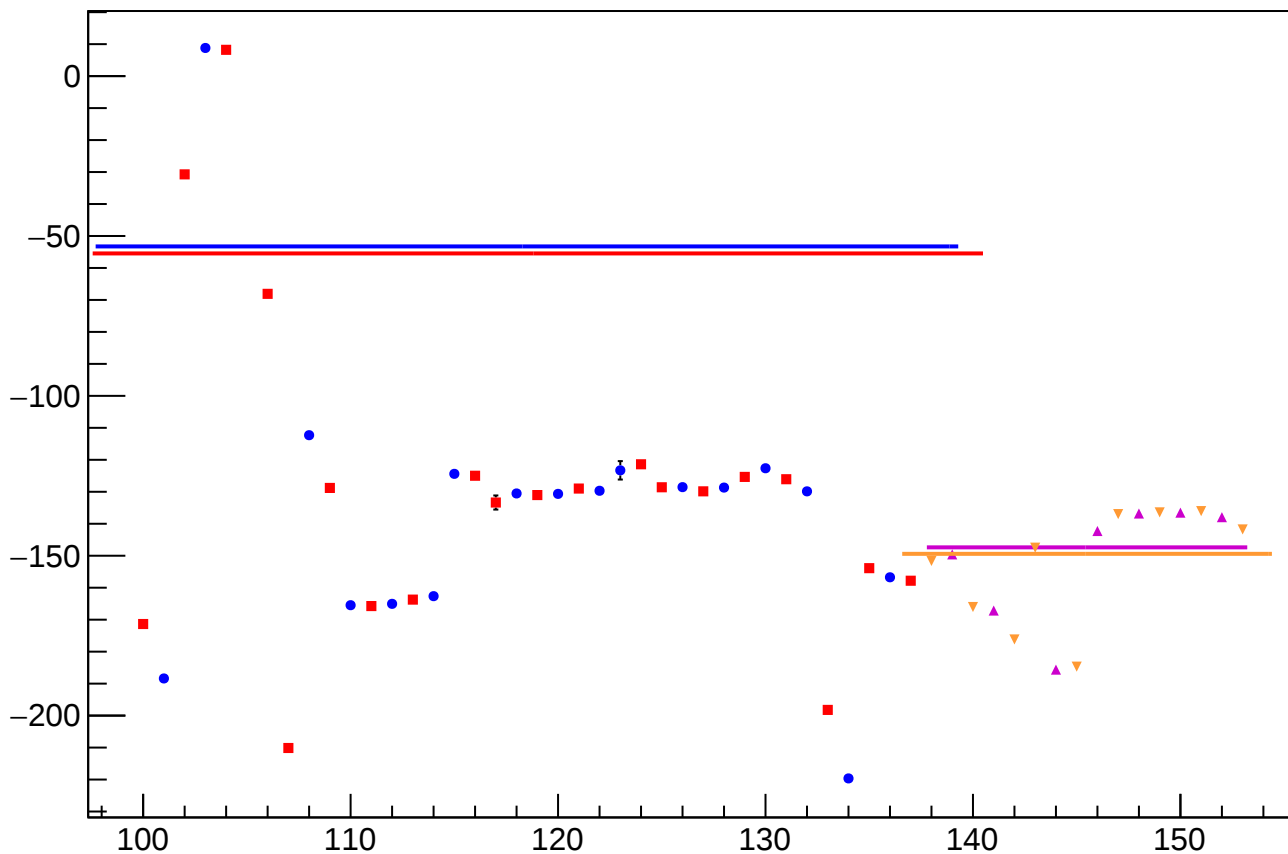
Right Out: 50.588+/-1.640 χ^2/NDF : 657.5/19

Left In: 42.597+/-1.557 χ^2/NDF : 261.7/6

55.390+/-1.091 χ^2/NDF : 1129.8/25

46.386+/-1.129 χ^2/NDF : 931.7/26

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -53.264 $\pm$ 0.070 χ^2/NDF : 1225492.9/16

Left Out: -149.409 $\pm$ 0.074 χ^2/NDF : 46470.8/8

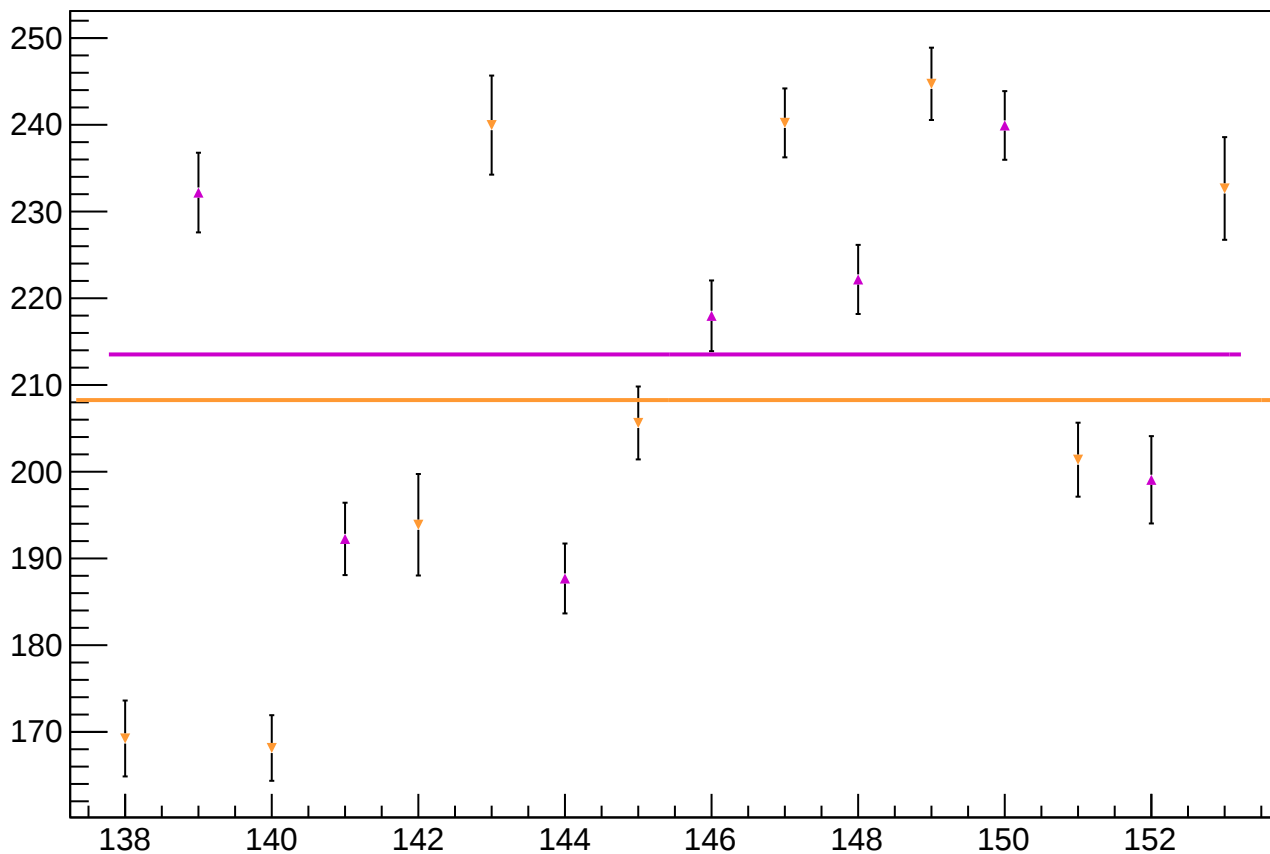
Right Out: -55.455 $\pm$ 0.072 χ^2/NDF : 968274.5/19

Left In: -147.383 $\pm$ 0.079 χ^2/NDF : 38360.6/6

-98.804 $\pm$ 0.051 χ^2/NDF : 2155119.4/25

-97.348 $\pm$ 0.053 χ^2/NDF : 1751325.5/26

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 208.260+/-1.503 χ^2/NDF : 390.0/8

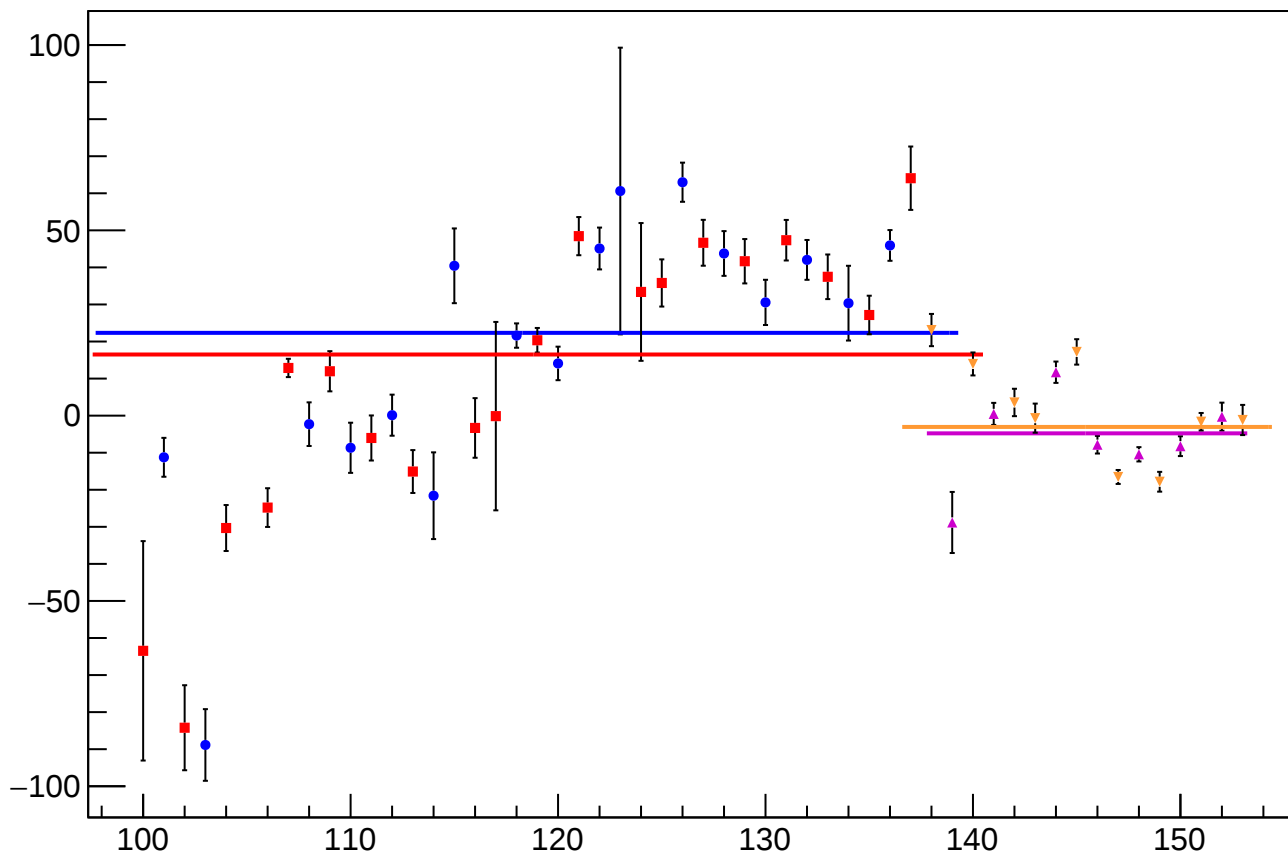
208.260+/-1.503 χ^2/NDF : 390.0/8

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

Left In: 213.522+/-1.595 χ^2/NDF : 142.2/6

213.522+/-1.595 χ^2/NDF : 142.2/6

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 22.342 $\pm$ 1.395 χ^2 /NDF: 385.8/16

Left Out: -3.046 $\pm$ 0.979 χ^2 /NDF: 187.2/8

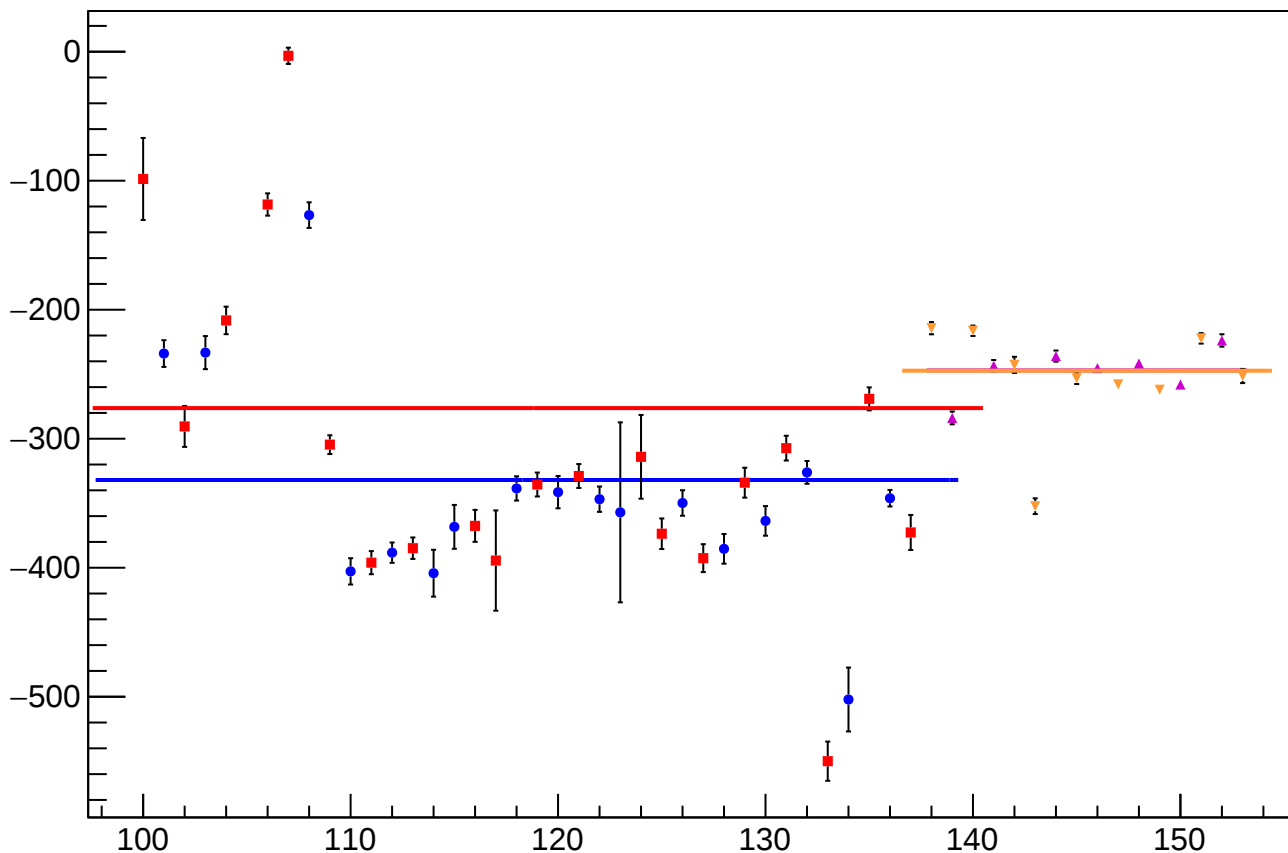
Right Out: 16.498 $\pm$ 1.226 χ^2 /NDF: 427.0/19

Left In: -4.778 $\pm$ 1.052 χ^2 /NDF: 57.8/6

5.335 $\pm$ 0.802 χ^2 /NDF: 794.8/25

4.248 $\pm$ 0.798 χ^2 /NDF: 658.2/26

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -331.989+/-2.580 χ^2/NDF : 785.0/16

Left Out: -247.268+/-1.506 χ^2/NDF : 467.6/8

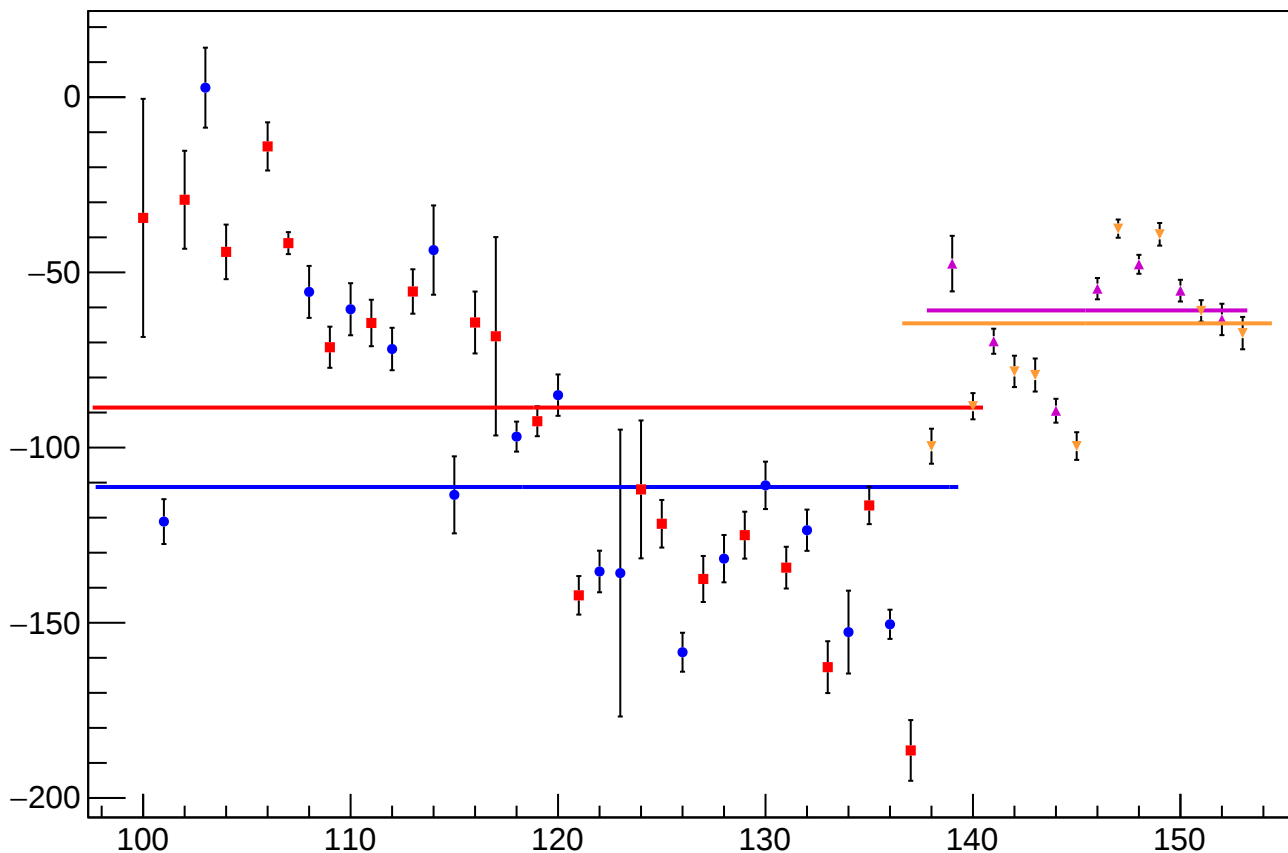
-268.793+/-1.301 χ^2/NDF : 2056.8/25

Right Out: -276.265+/-2.320 χ^2/NDF : 3371.5/19

-256.341+/-1.308 χ^2/NDF : 3575.9/26

Left In: -247.056+/-1.584 χ^2/NDF : 96.3/6

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -111.257 $\pm$ 1.597 χ^2 /NDF: 509.6/16

Left Out: -64.548 $\pm$ 1.224 χ^2 /NDF: 359.1/8

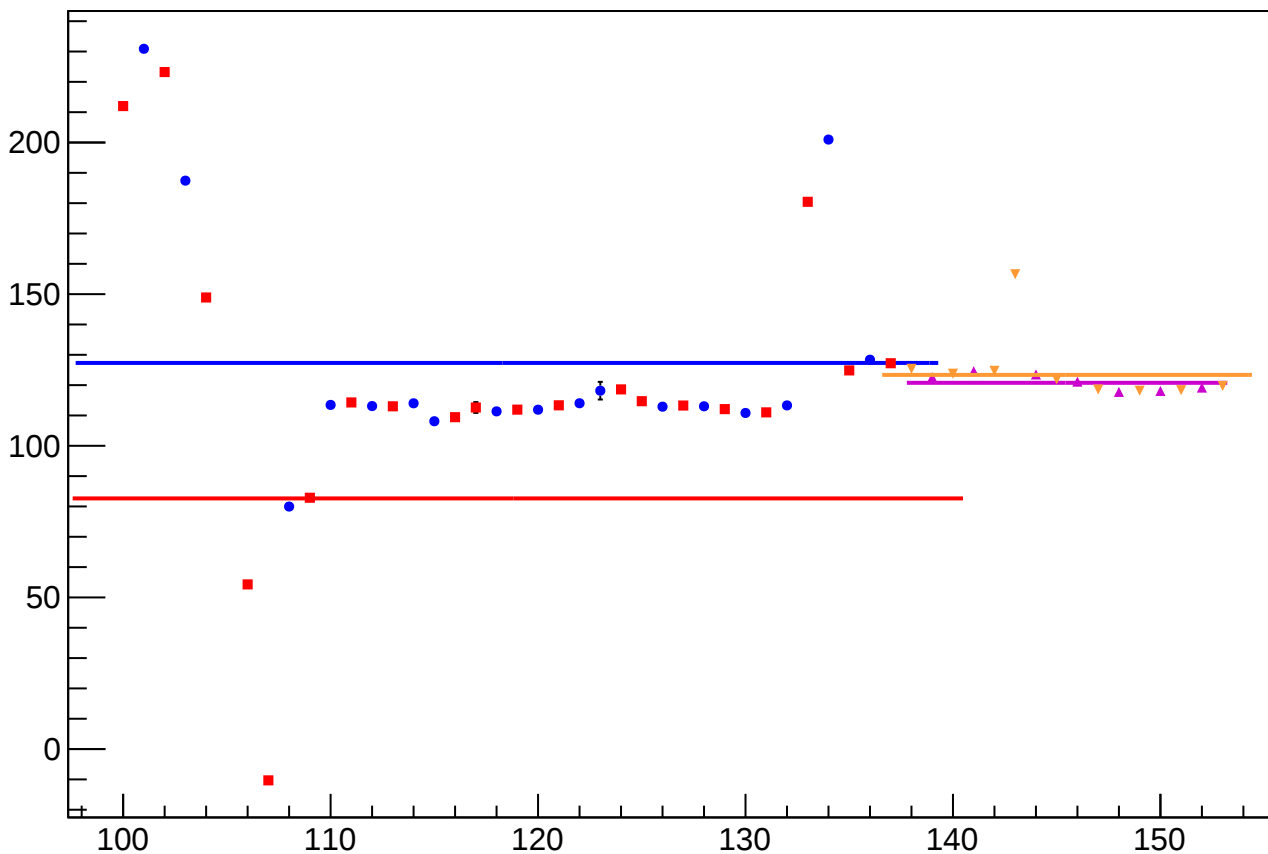
Right Out: -88.581 $\pm$ 1.431 χ^2 /NDF: 971.5/19

Left In: -60.861 $\pm$ 1.314 χ^2 /NDF: 110.9/6

-81.821 $\pm$ 0.971 χ^2 /NDF: 1407.7/25

-73.542 $\pm$ 0.968 χ^2 /NDF: 1285.9/26

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 127.323 +/- 0.089 χ^2/NDF : 187776.4/16

Left Out: 123.376 +/- 0.063 χ^2/NDF : 21458.4/8

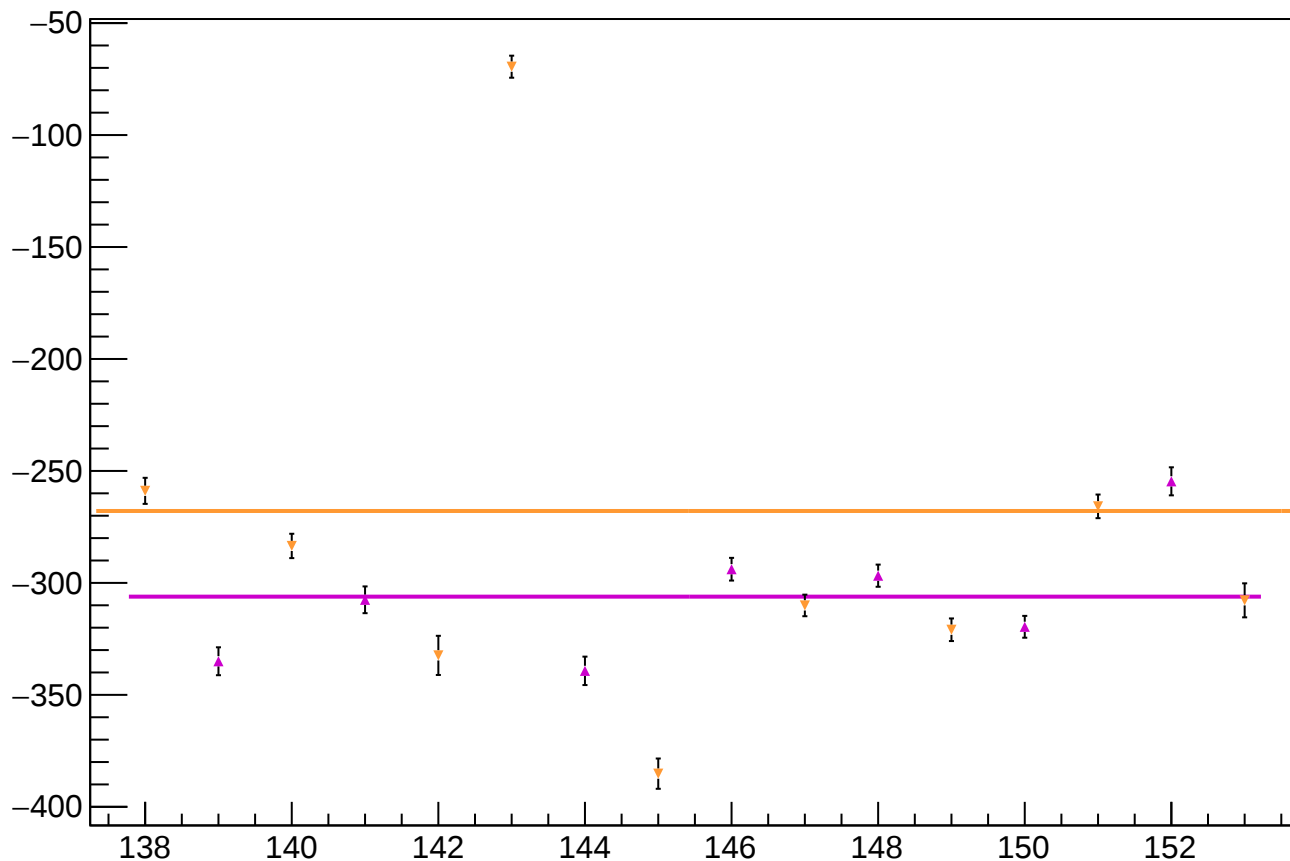
Right Out: 82.649 +/- 0.075 χ^2/NDF : 765307.1/19

Left In: 120.766 +/- 0.066 χ^2/NDF : 1498.8/6

124.687 +/- 0.052 χ^2/NDF : 210534.9/25

104.184 +/- 0.050 χ^2/NDF : 911549.6/26

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -267.884+/-1.907 χ^2/NDF : 2204.4/8

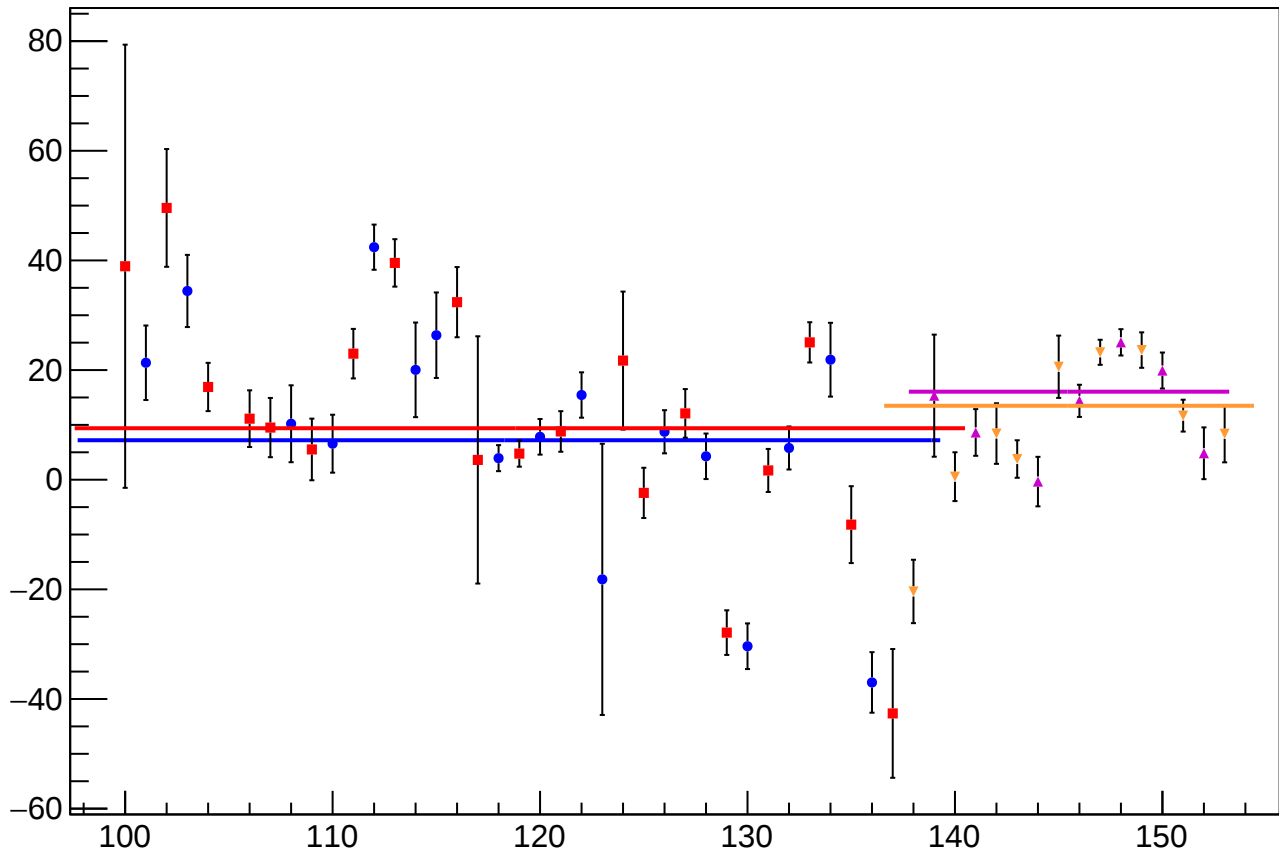
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -306.136+/-2.104 χ^2/NDF : 133.4/6

-267.884+/-1.907 χ^2/NDF : 2204.4/8

-306.136+/-2.104 χ^2/NDF : 133.4/6

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.199 ± 1.103 χ^2/NDF : 260.9/16

Left Out: 13.487 ± 1.220 χ^2/NDF : 82.7/8

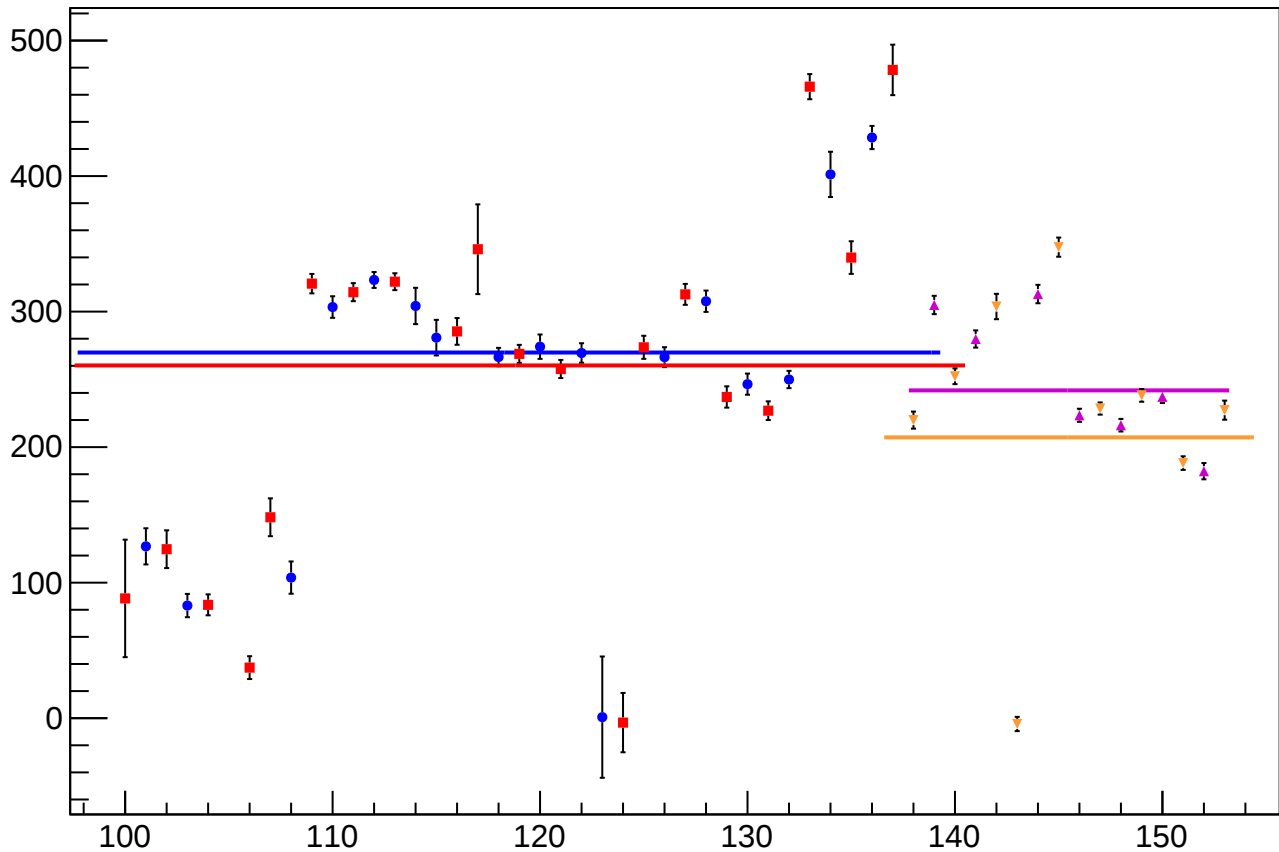
Right Out: 9.390 ± 1.070 χ^2/NDF : 232.2/19

Left In: 16.057 ± 1.362 χ^2/NDF : 37.7/6

10.027 ± 0.818 χ^2/NDF : 358.2/25

11.934 ± 0.841 χ^2/NDF : 284.7/26

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 269.806 ± 2.089 $\chi^2/\text{NDF}: 1374.1/16$

Left Out: 207.223 ± 1.902 $\chi^2/\text{NDF}: 2270.8/8$

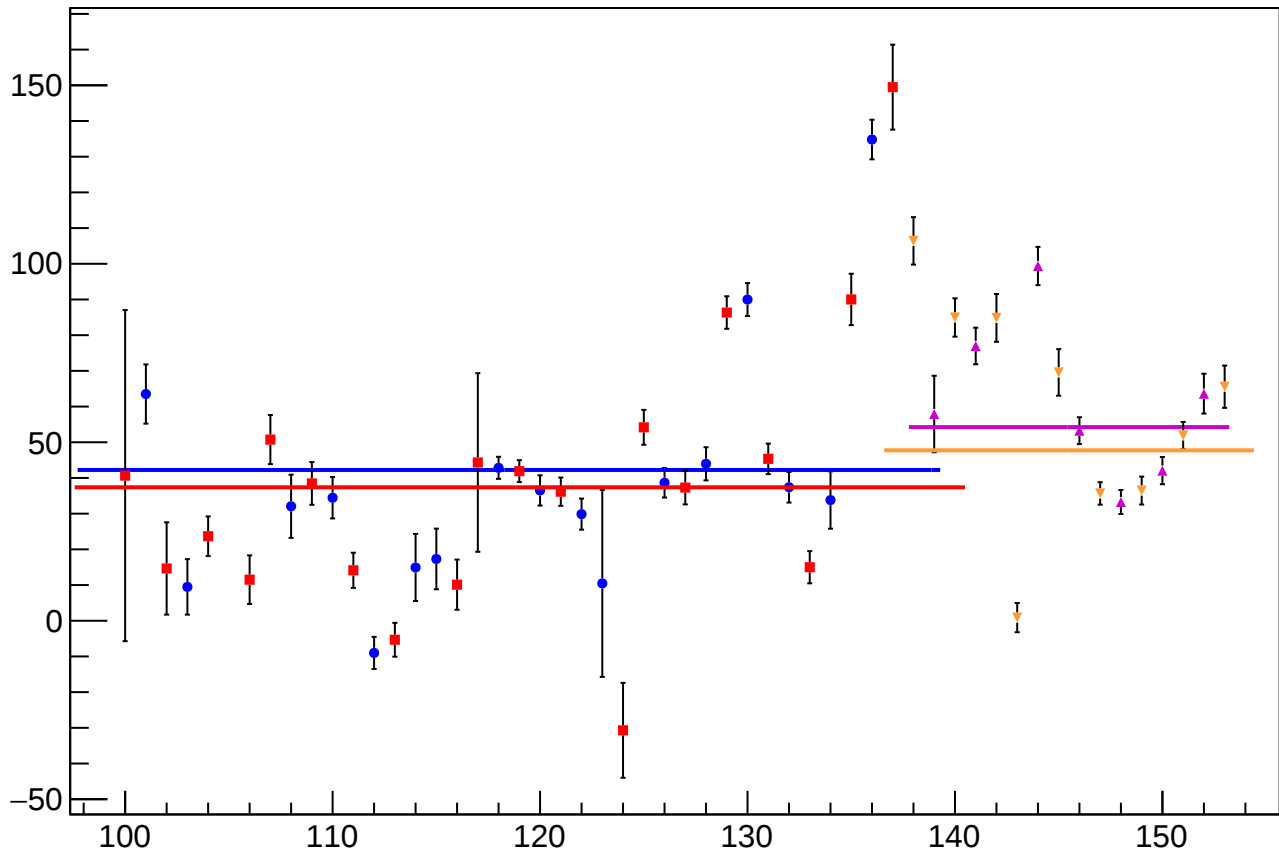
Right Out: 260.286 ± 1.973 $\chi^2/\text{NDF}: 2545.4/19$

Left In: 241.873 ± 2.070 $\chi^2/\text{NDF}: 377.3/6$

235.583 ± 1.406 $\chi^2/\text{NDF}: 4135.7/25$

251.519 ± 1.428 $\chi^2/\text{NDF}: 2964.1/26$

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 42.242 ± 1.274 χ^2/NDF : 574.4/16

Left Out: 47.742 ± 1.530 χ^2/NDF : 332.4/8

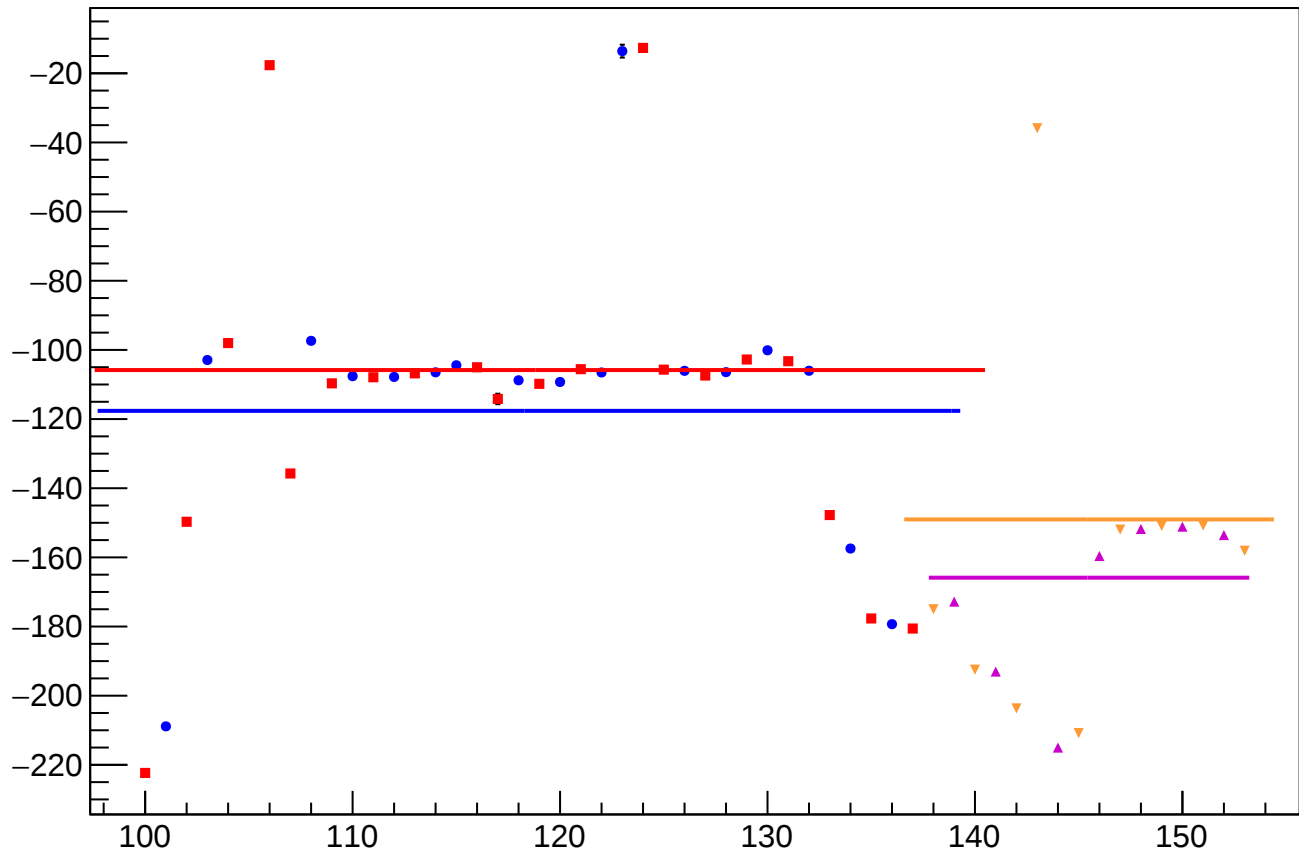
Right Out: 37.384 ± 1.233 χ^2/NDF : 472.4/19

Left In: 54.249 ± 1.711 χ^2/NDF : 142.9/6

44.493 ± 0.979 χ^2/NDF : 914.4/25

43.150 ± 1.000 χ^2/NDF : 679.2/26

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -117.625+/-0.079 χ^2/NDF : 141872.3/16

Left Out: -149.024+/-0.080 χ^2/NDF : 400914.8/8

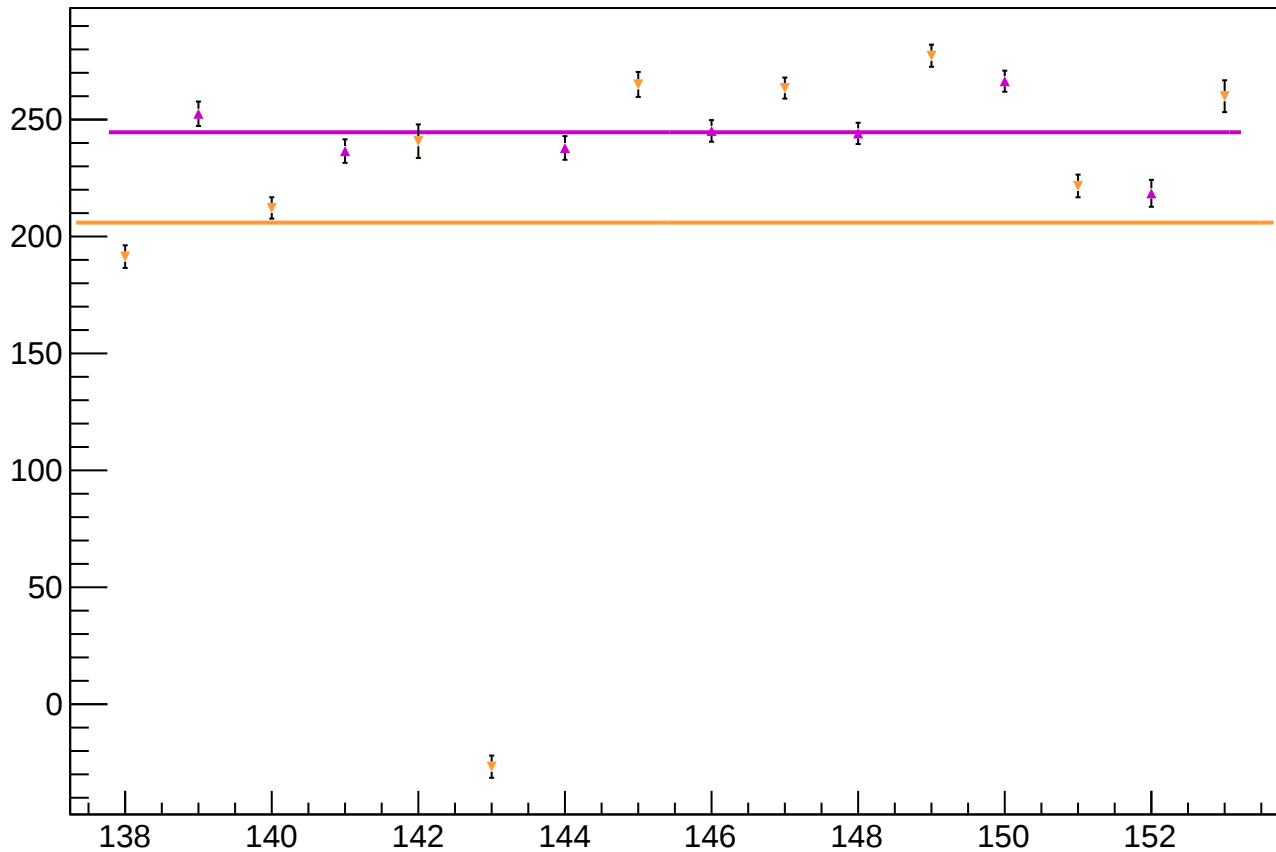
Right Out: -105.826+/-0.073 χ^2/NDF : 323138.4/19

Left In: -165.874+/-0.087 χ^2/NDF : 53603.0/6

-133.060+/-0.056 χ^2/NDF : 621379.4/25

-130.677+/-0.056 χ^2/NDF : 658846.3/26

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 205.946+/-1.697 χ^2/NDF : 3016.0/8

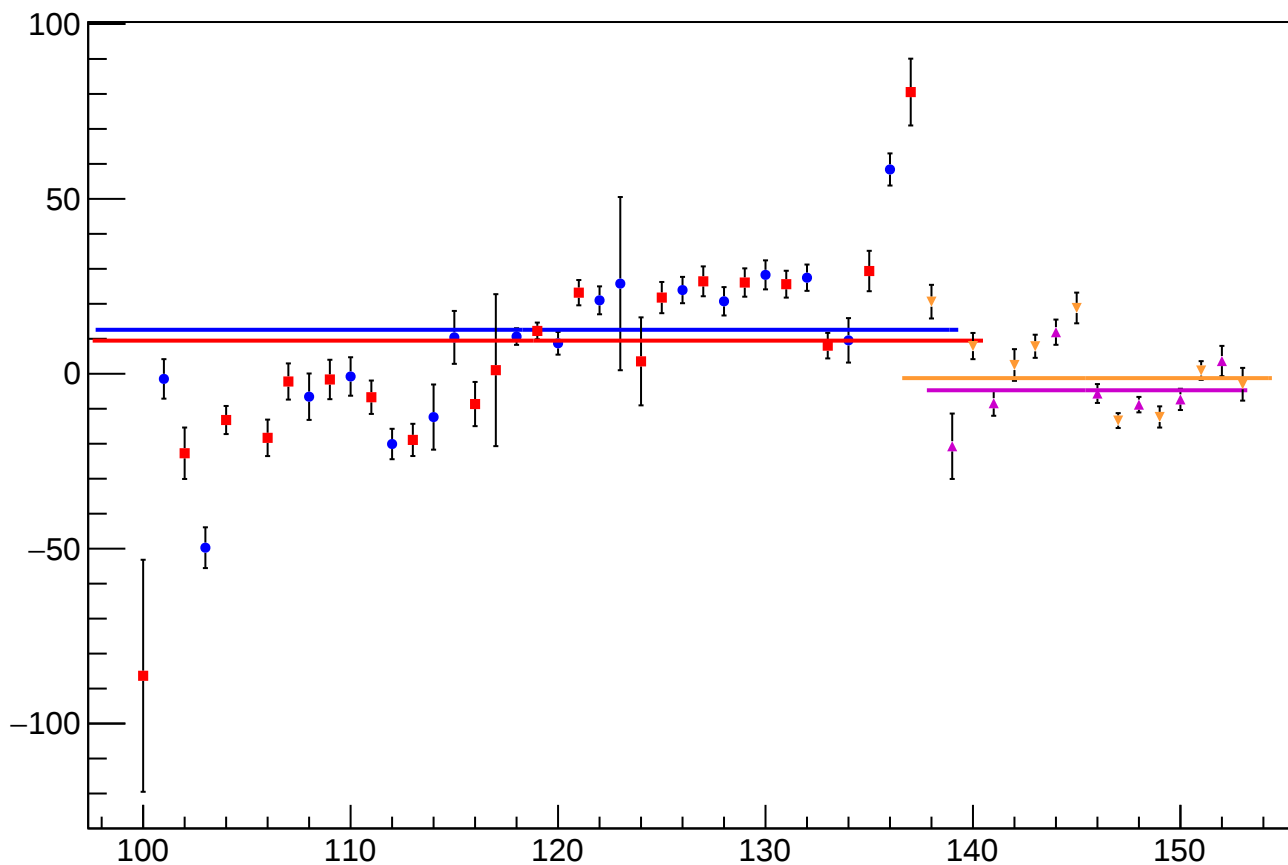
205.946+/-1.697 χ^2/NDF : 3016.0/8

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

Left In: 244.574+/-1.859 χ^2/NDF : 50.7/6

244.574+/-1.859 χ^2/NDF : 50.7/6

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 12.574+/-1.074 χ^2/NDF : 348.0/16

Left Out: -1.245+/-1.104 χ^2/NDF : 102.4/8

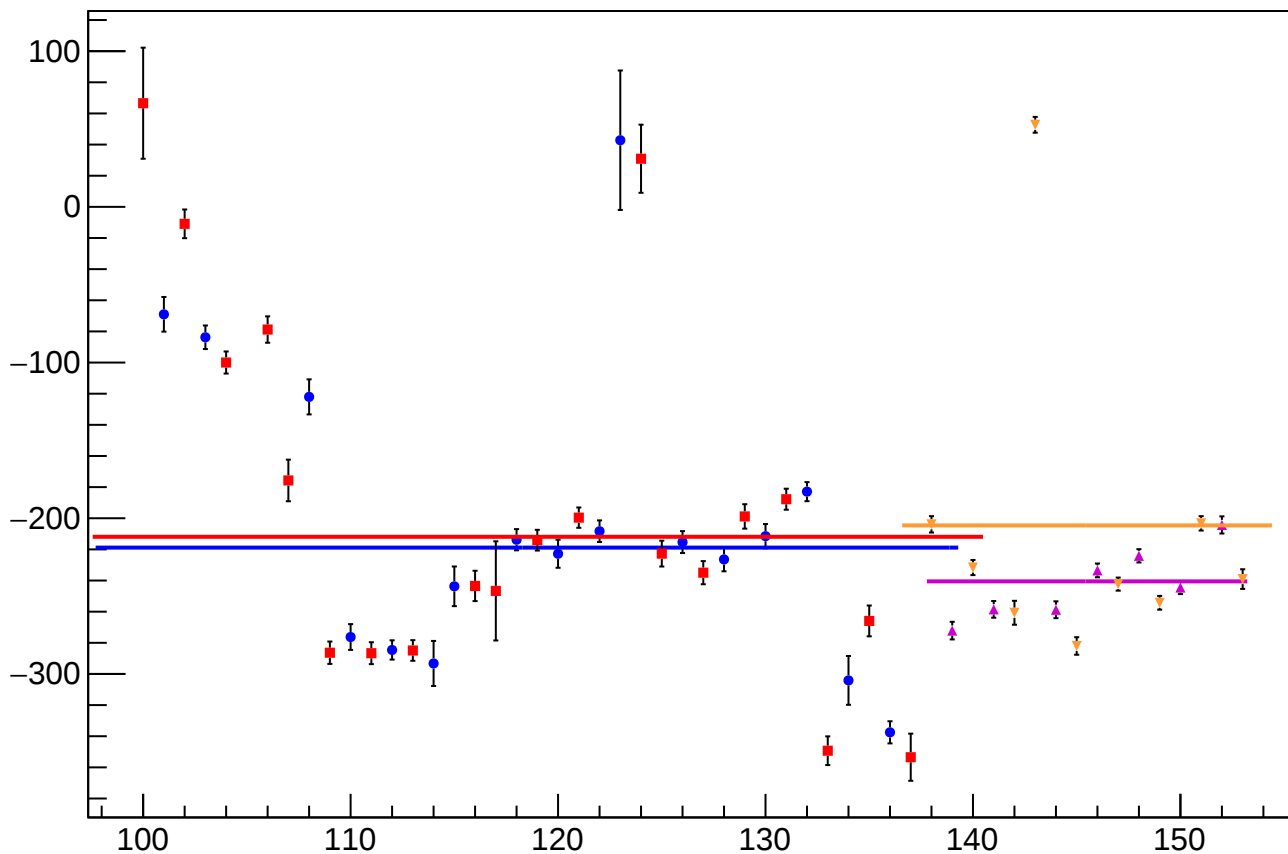
Right Out: 9.474+/-1.046 χ^2/NDF : 296.0/19

Left In: -4.717+/-1.222 χ^2/NDF : 33.2/6

5.854+/-0.770 χ^2/NDF : 530.9/25

3.473+/-0.795 χ^2/NDF : 407.0/26

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -218.855 ± 2.023 $\chi^2/\text{NDF}: 1146.6/16$

Left Out: -204.581 ± 1.702 $\chi^2/\text{NDF}: 3079.8/8$

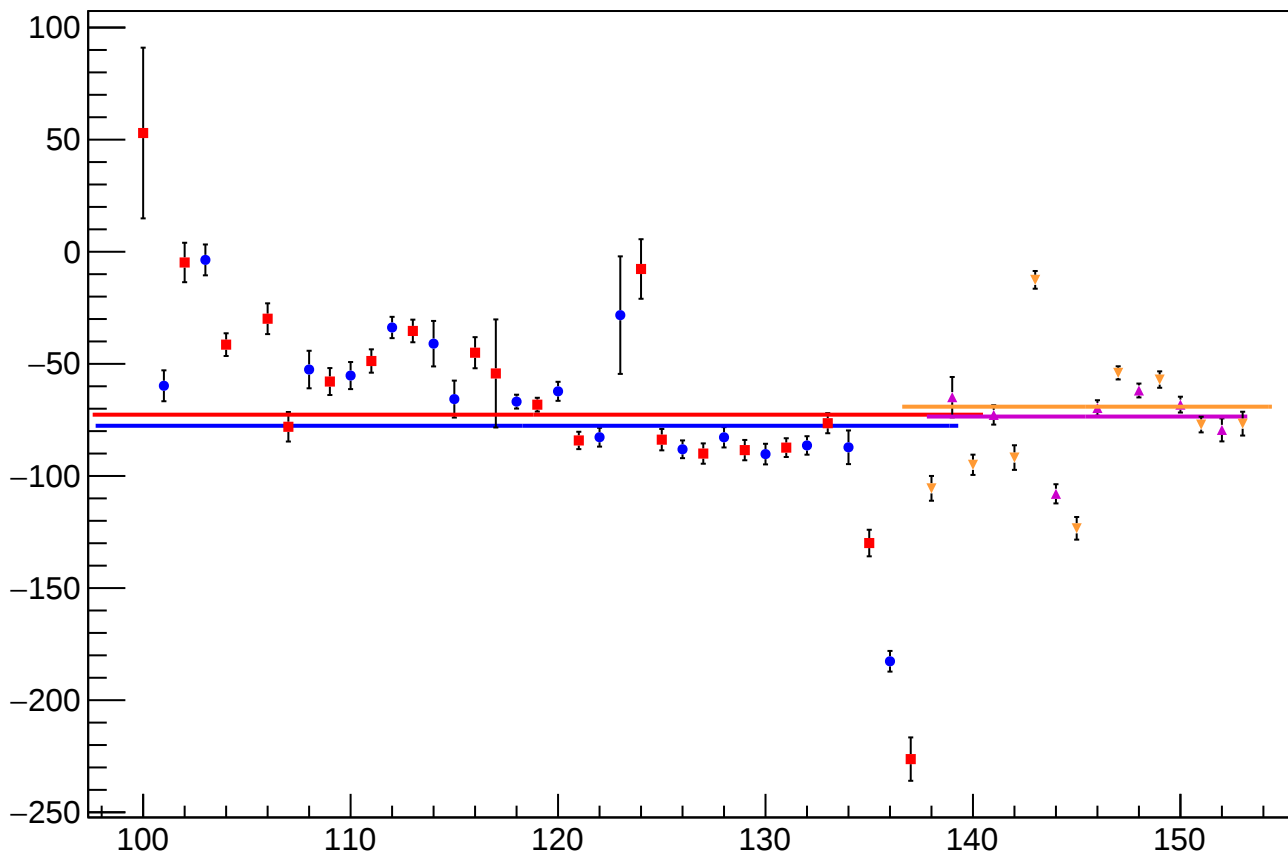
Right Out: -211.907 ± 1.920 $\chi^2/\text{NDF}: 1886.4/19$

Left In: -240.538 ± 1.840 $\chi^2/\text{NDF}: 115.2/6$

-210.497 ± 1.302 $\chi^2/\text{NDF}: 4255.5/25$

-226.833 ± 1.329 $\chi^2/\text{NDF}: 2117.5/26$

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -77.612 ± 1.236 $\chi^2/\text{NDF}: 815.9/16$

Left Out: -69.095 ± 1.379 $\chi^2/\text{NDF}: 458.2/8$

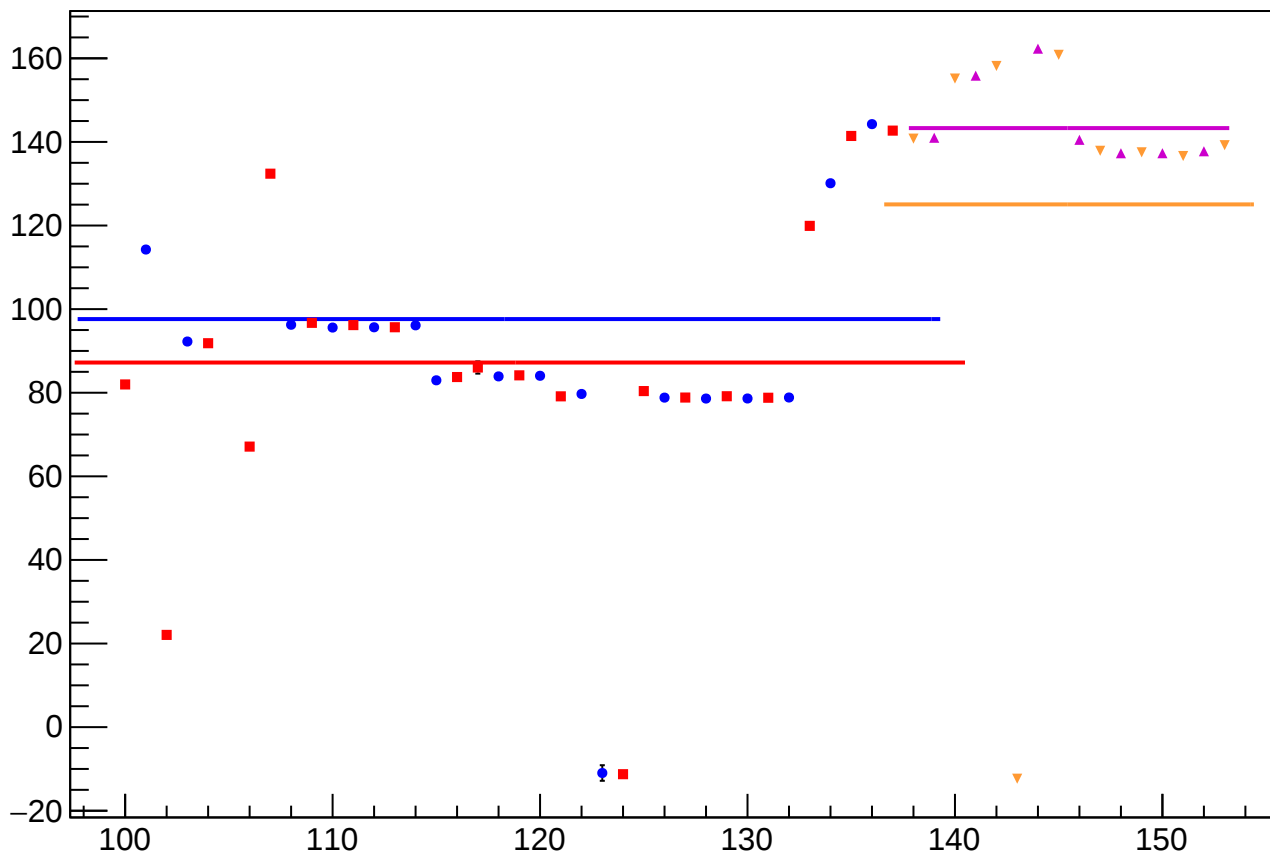
Right Out: -72.664 ± 1.205 $\chi^2/\text{NDF}: 672.0/19$

Left In: -73.499 ± 1.529 $\chi^2/\text{NDF}: 84.9/6$

-73.815 ± 0.921 $\chi^2/\text{NDF}: 1295.2/25$

-72.984 ± 0.946 $\chi^2/\text{NDF}: 757.1/26$

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 97.620 $\pm$ 0.074 χ^2 /NDF: 94045.2/16

Left Out: 125.055 $\pm$ 0.071 χ^2 /NDF: 536569.3/8

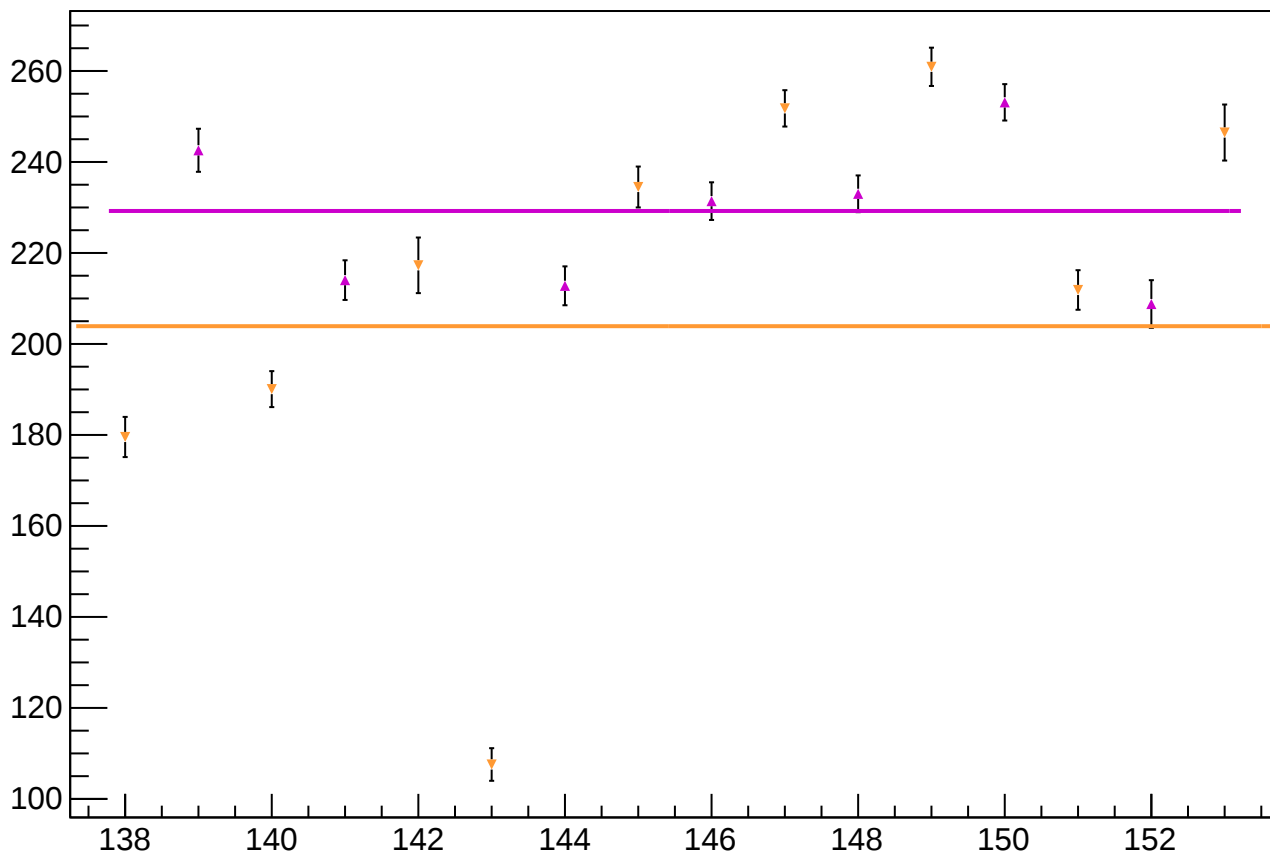
Right Out: 87.224 $\pm$ 0.068 χ^2 /NDF: 220851.2/19

Left In: 143.308 $\pm$ 0.077 χ^2 /NDF: 12969.9/6

111.812 $\pm$ 0.051 χ^2 /NDF: 702276.2/25

111.986 $\pm$ 0.051 χ^2 /NDF: 532455.8/26

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



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

203.906+/-1.462 χ^2/NDF : 1193.9/8

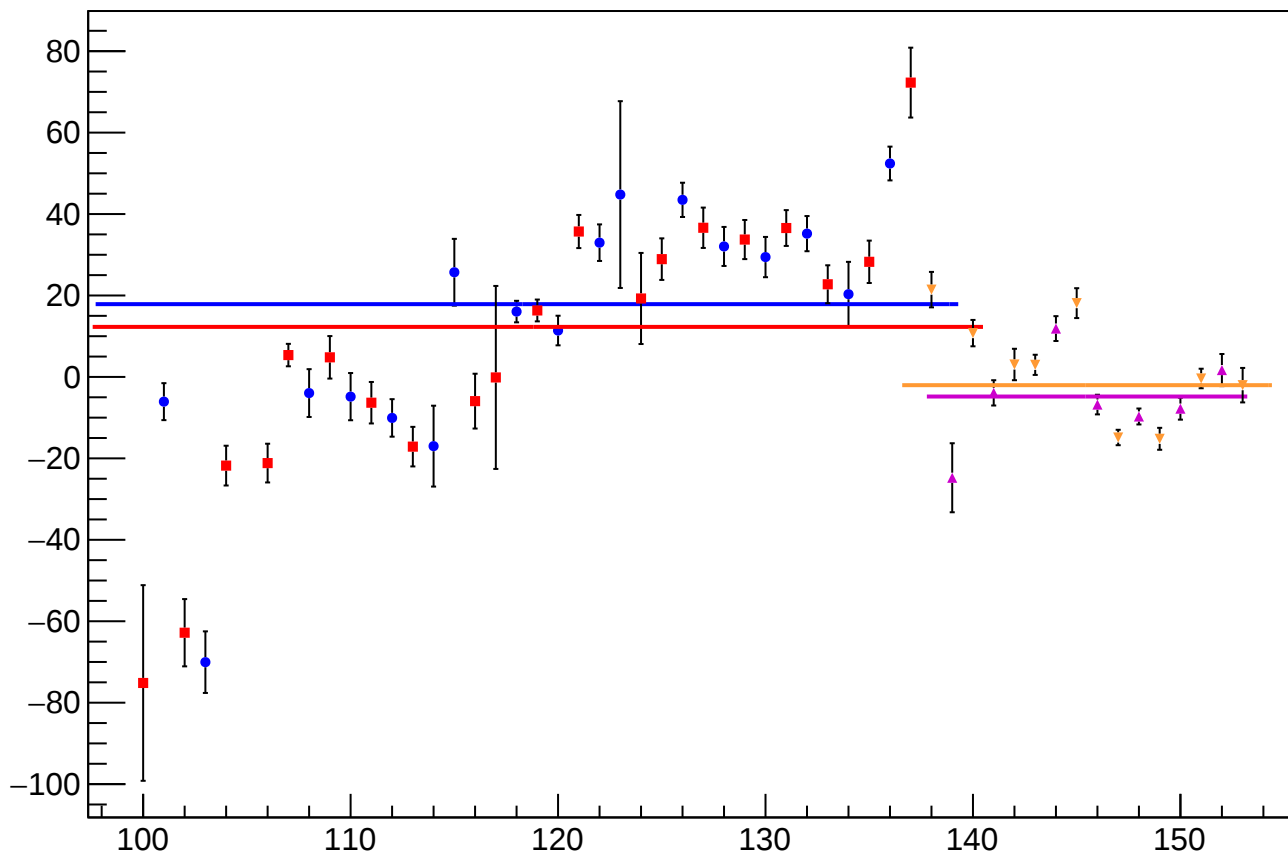
Left Out: 203.906+/-1.462 χ^2/NDF : 1193.9/8

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

229.230+/-1.643 χ^2/NDF : 86.9/6

Left In: 229.230+/-1.643 χ^2/NDF : 86.9/6

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: -2.024 $\pm$ 0.954 χ^2/NDF : 151.0/8

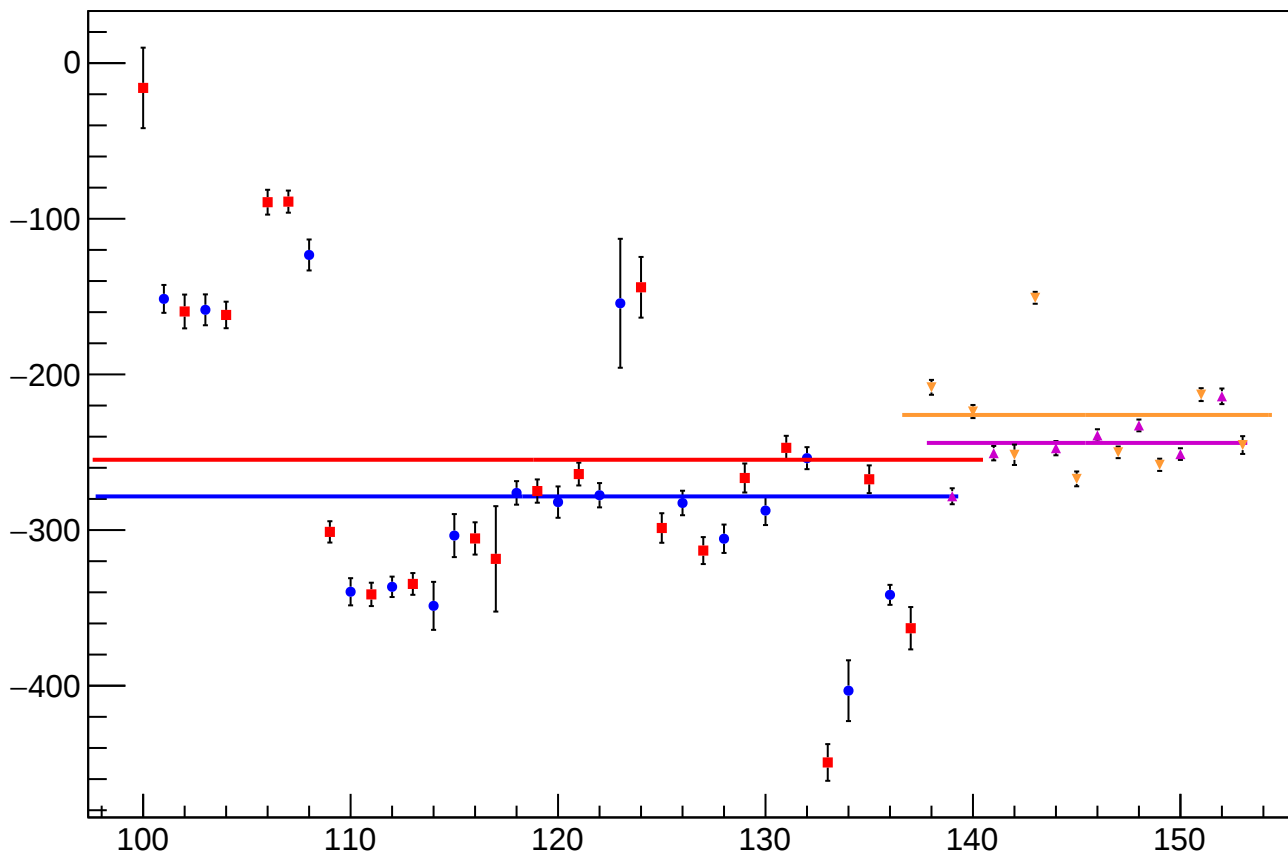
Right Out: 12.288 $\pm$ 1.082 χ^2/NDF : 444.4/19

Left In: -4.813 $\pm$ 1.079 χ^2/NDF : 46.4/6

5.954 $\pm$ 0.738 χ^2/NDF : 720.8/25

3.710 $\pm$ 0.764 χ^2/NDF : 616.1/26

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -278.380+/-2.185 χ^2/NDF : 910.6/16

Left Out: -226.035+/-1.473 χ^2/NDF : 619.7/8

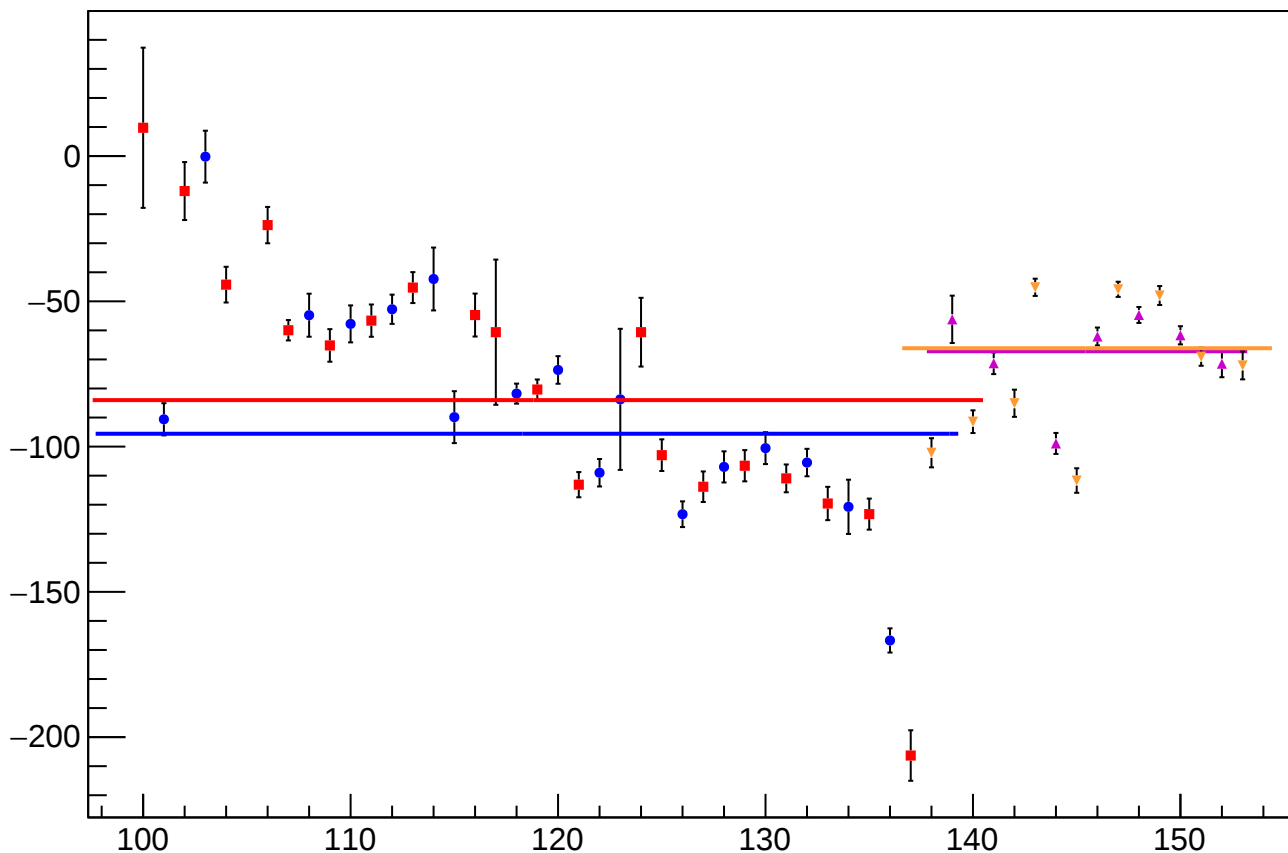
Right Out: -254.830+/-2.016 χ^2/NDF : 2041.0/19

Left In: -244.011+/-1.628 χ^2/NDF : 96.8/6

-242.389+/-1.221 χ^2/NDF : 1924.9/25

-248.281+/-1.267 χ^2/NDF : 2155.3/26

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: -66.143 $\pm$ 1.189 χ^2 /NDF:369.7/8

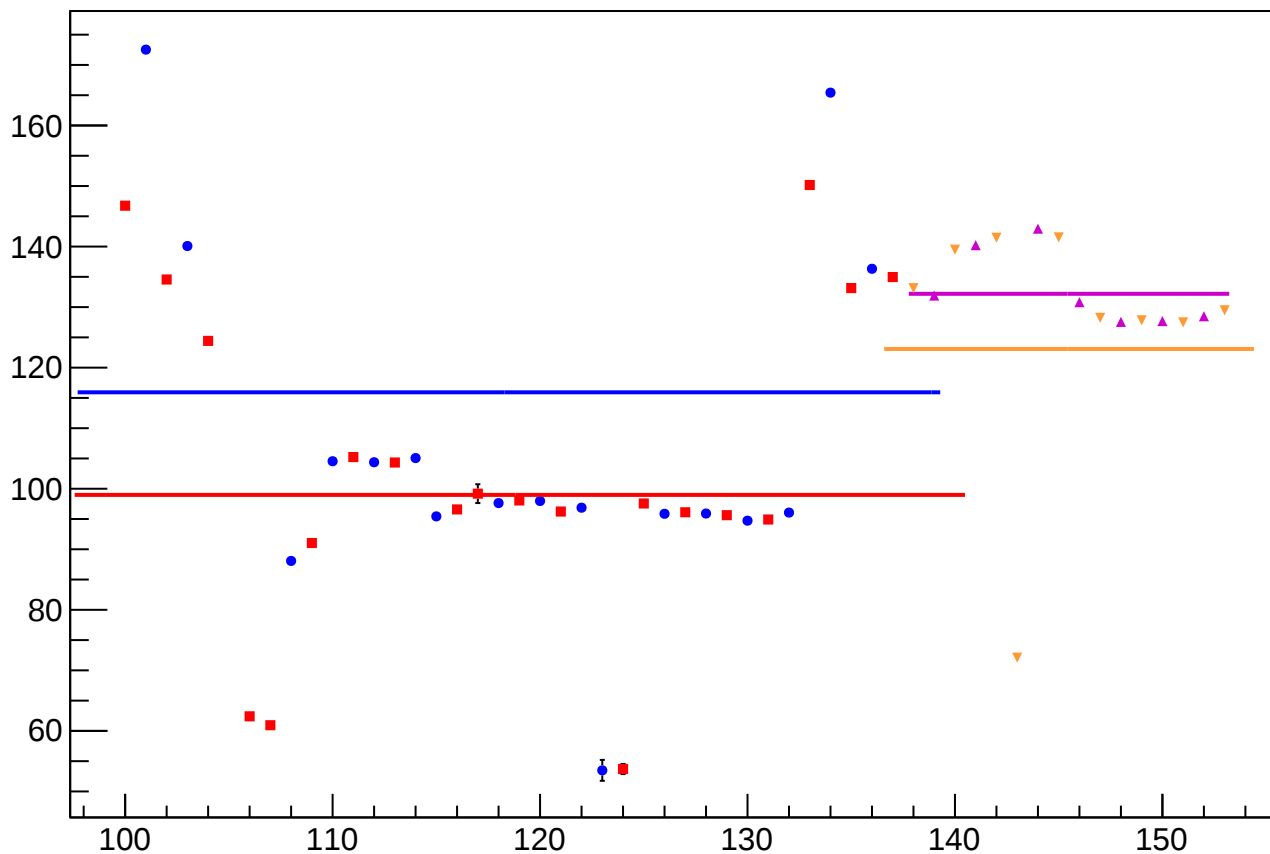
Right Out: -84.003 $\pm$ 1.255 χ^2 /NDF: 784.1/19

Left In: -67.176 $\pm$ 1.349 χ^2 /NDF:107.5/6

-79.102 $\pm$ 0.889 χ^2 /NDF: 1310.8/25

-76.195 $\pm$ 0.919 χ^2 /NDF: 974.9/26

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: 123.090 $\pm$ 0.062 χ^2 /NDF:138980.7/8

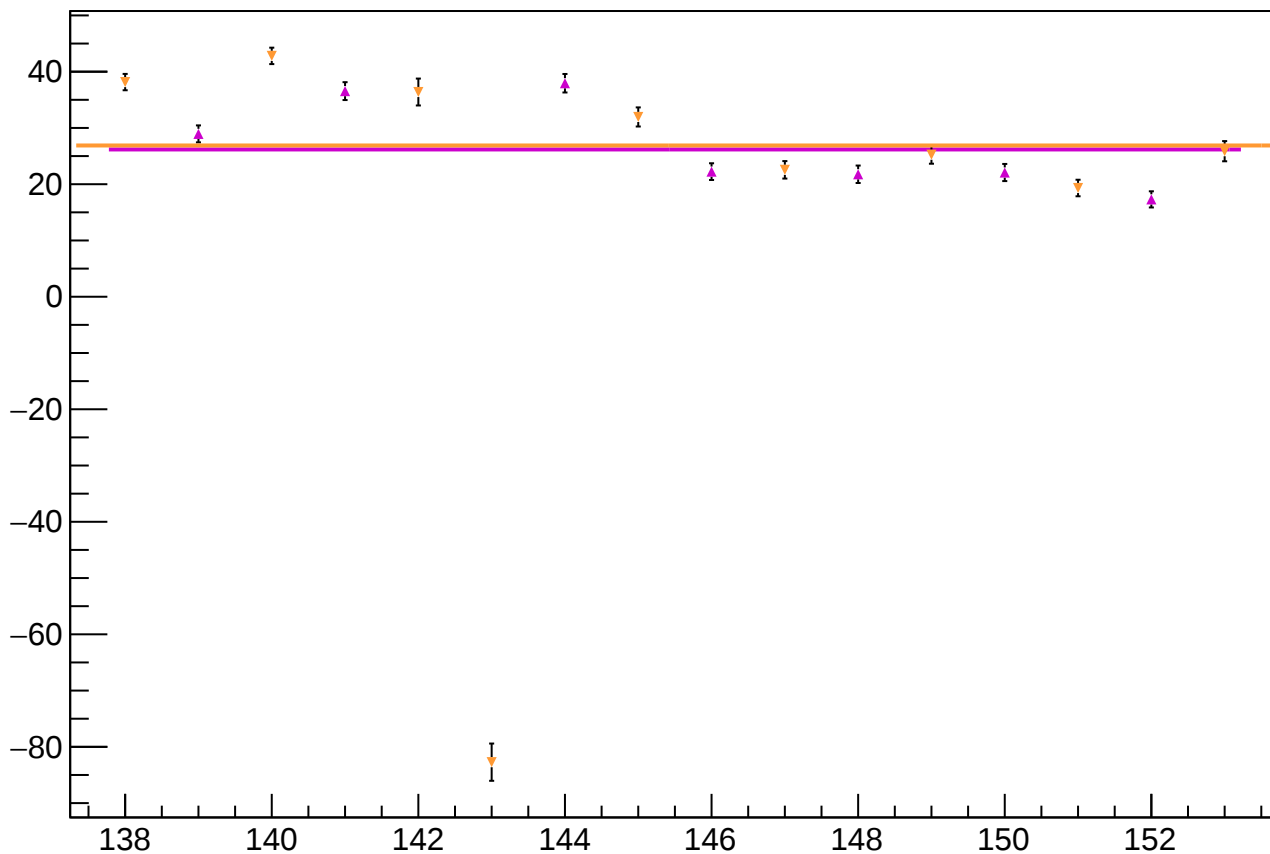
Right Out: 98.982 $\pm$ 0.068 χ^2 /NDF: 172974.2/19

Left In: 132.199 $\pm$ 0.068 χ^2 /NDF:6765.0/6

120.360 $\pm$ 0.048 χ^2 /NDF: 249934.9/25

115.720 $\pm$ 0.048 χ^2 /NDF: 298293.5/26

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: 26.885+/-0.565 χ^2/NDF :1335.9/8

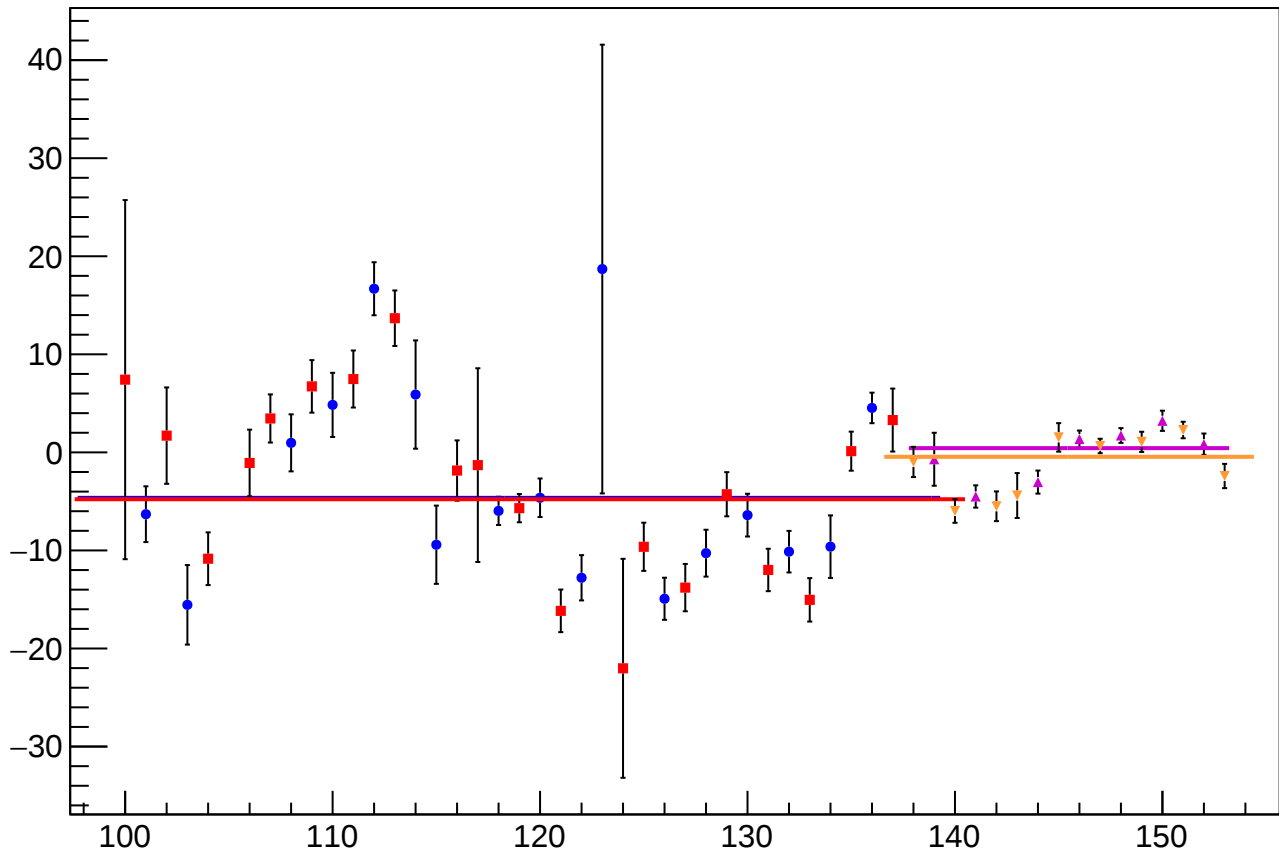
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 26.177+/-0.578 χ^2/NDF :157.9/6

26.885+/-0.565 χ^2/NDF : 1335.9/8

26.177+/-0.578 χ^2/NDF : 157.9/6

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: -0.451 ± 0.376 χ^2/NDF : 54.6/8

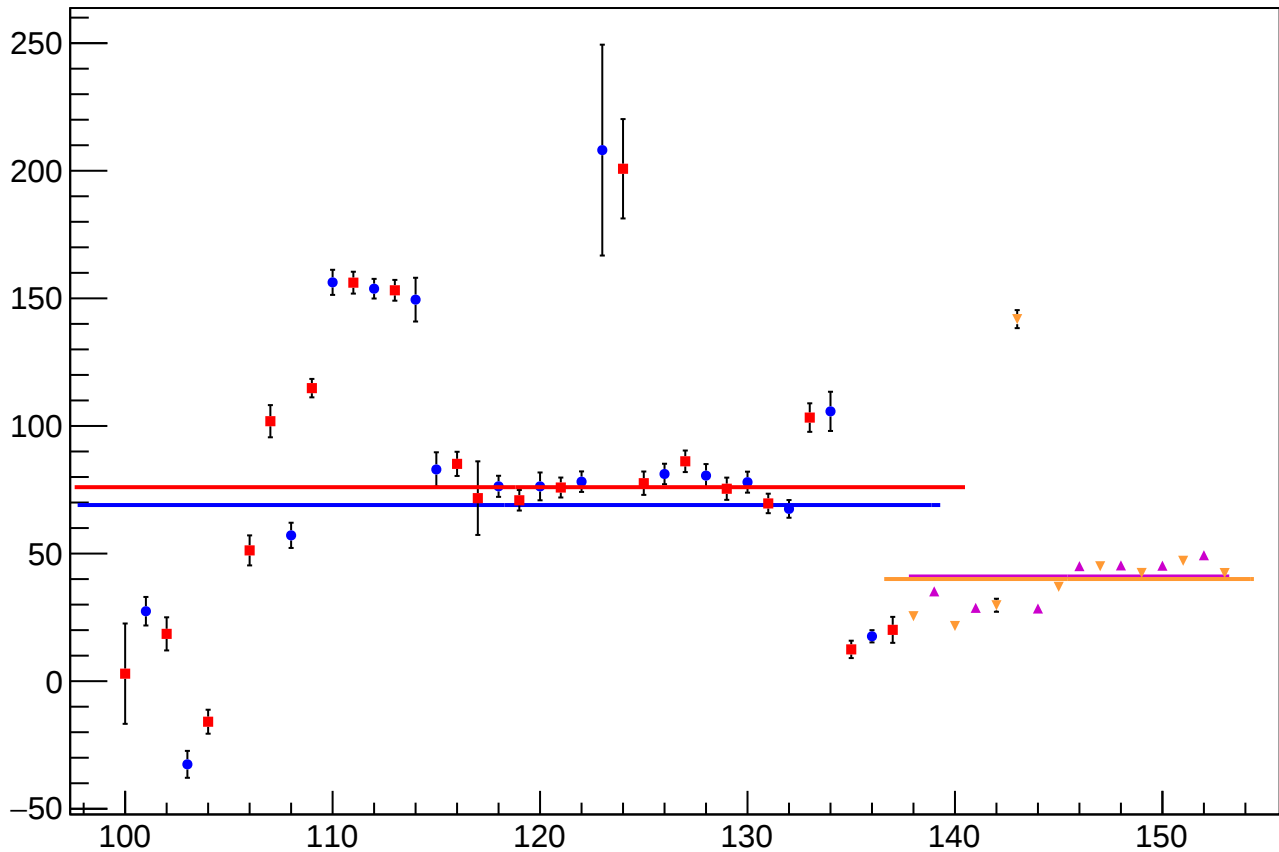
Right Out: -4.779 ± 0.583 χ^2/NDF : 192.7/19

Left In: 0.433 ± 0.392 χ^2/NDF : 39.2/6

-1.669 ± 0.317 χ^2/NDF : 265.0/25

-1.187 ± 0.325 χ^2/NDF : 286.8/26

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 69.019 ± 1.083 $\chi^2/\text{NDF}: 1848.0/16$

Left Out: 40.028 ± 0.563 $\chi^2/\text{NDF}: 1117.6/8$

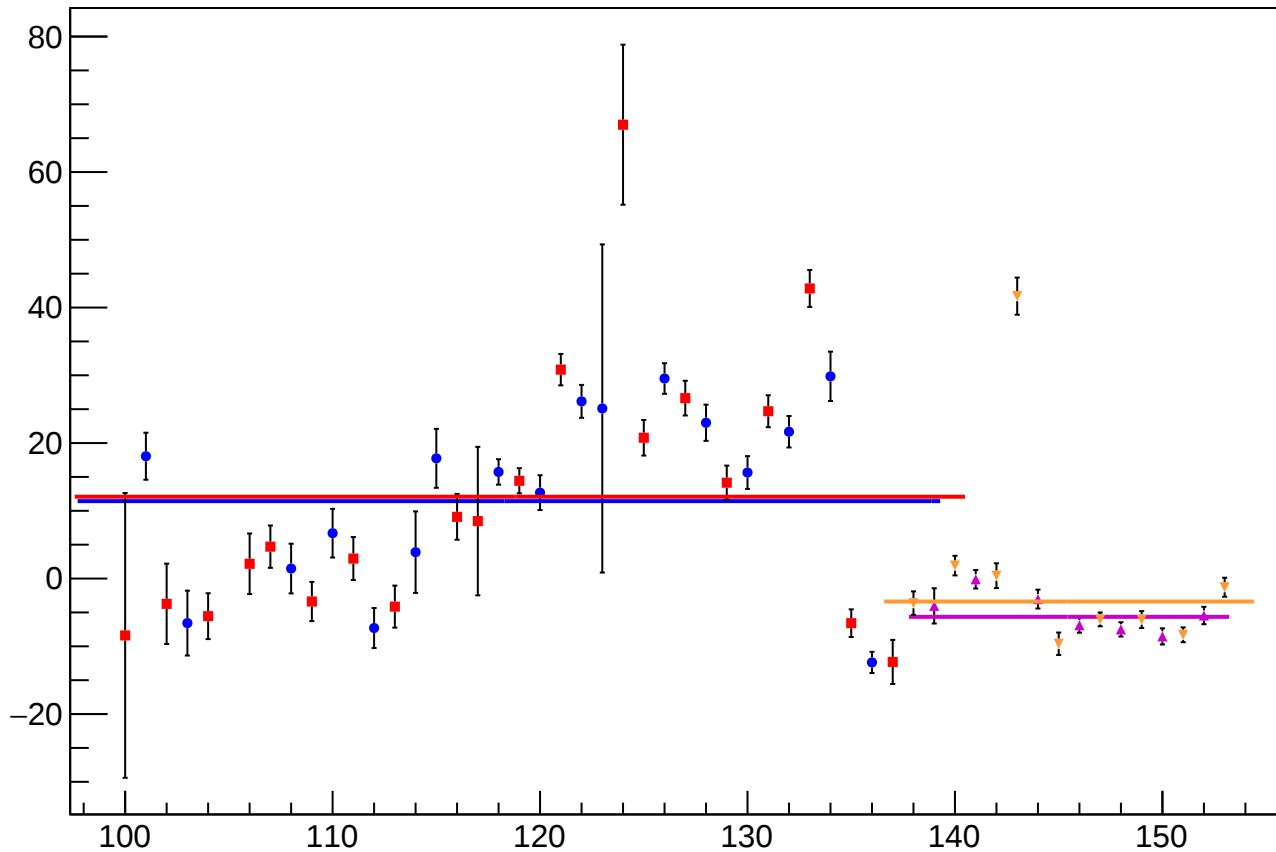
Right Out: 76.017 ± 1.067 $\chi^2/\text{NDF}: 1882.0/19$

Left In: 41.022 ± 0.574 $\chi^2/\text{NDF}: 179.1/6$

46.191 ± 0.500 $\chi^2/\text{NDF}: 3529.5/25$

48.869 ± 0.505 $\chi^2/\text{NDF}: 2895.7/26$

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 11.428 $\pm$ 0.665 χ^2/NDF : 476.8/16

Left Out: -3.388 $\pm$ 0.468 χ^2/NDF : 335.8/8

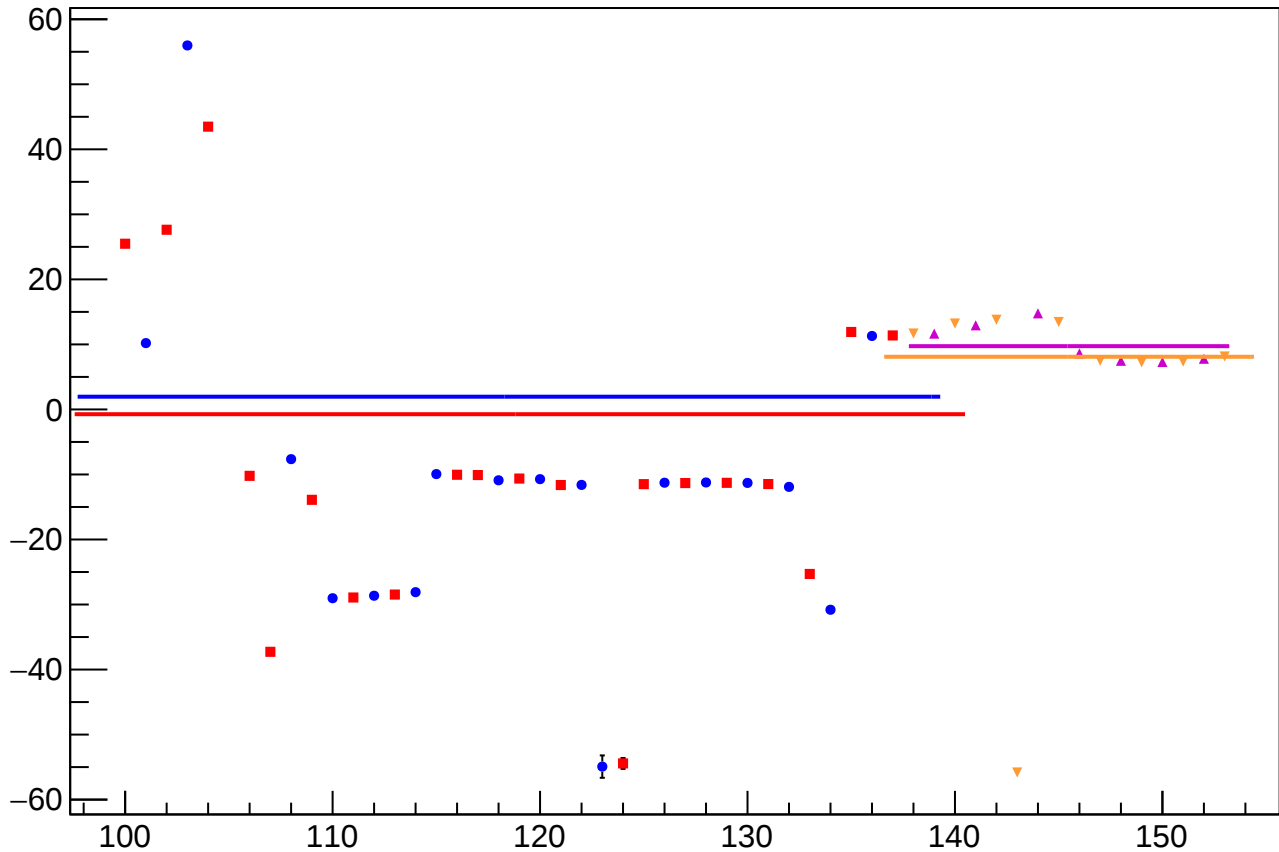
Right Out: 12.082 $\pm$ 0.663 χ^2/NDF : 539.2/19

Left In: -5.649 $\pm$ 0.487 χ^2/NDF : 30.6/6

1.515 $\pm$ 0.383 χ^2/NDF : 1144.2/25

0.565 $\pm$ 0.392 χ^2/NDF : 1034.8/26

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: 1.960 $\pm$ 0.037 χ^2 /NDF: 358457.0/16

Left Out: 8.099 $\pm$ 0.023 χ^2 /NDF: 222423.0/8

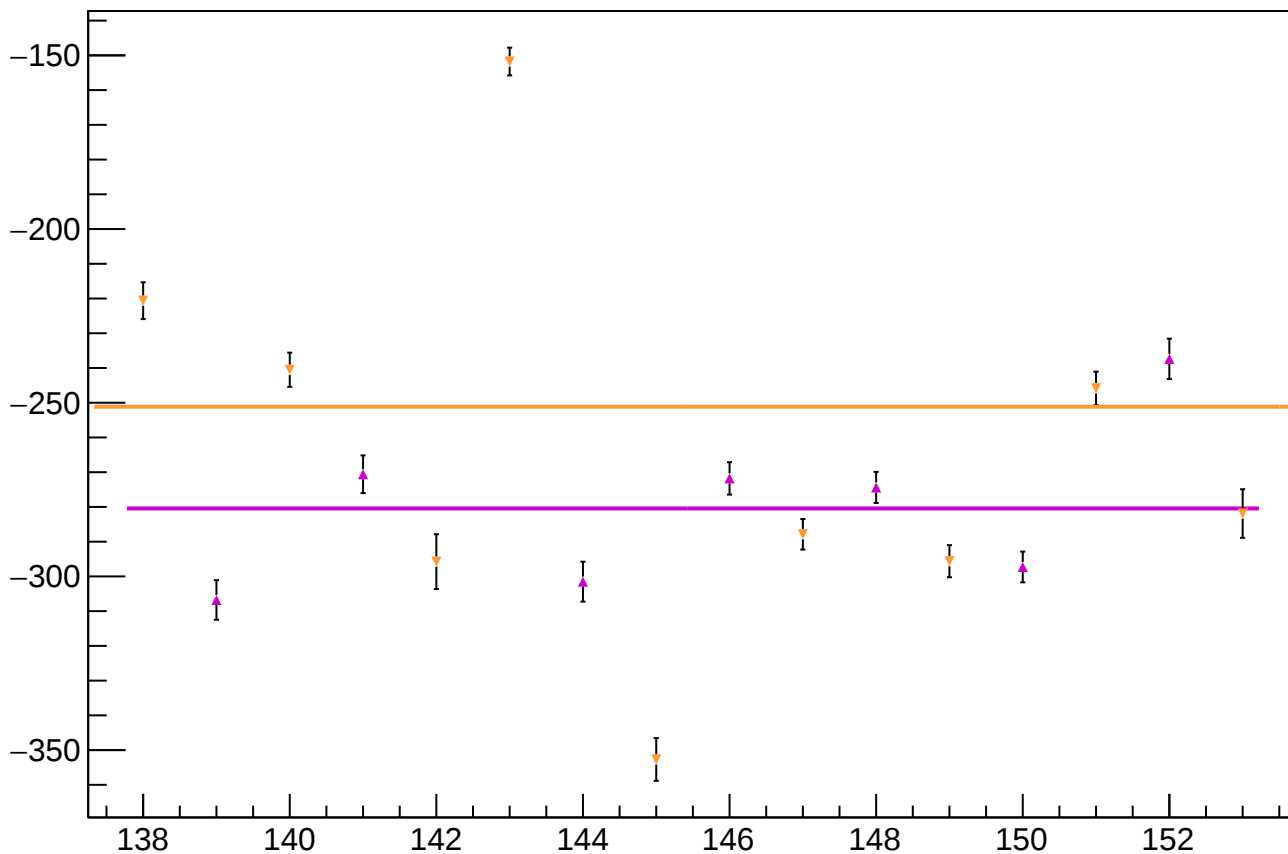
Right Out: -0.733 $\pm$ 0.037 χ^2 /NDF: 361368.4/19

Left In: 9.730 $\pm$ 0.024 χ^2 /NDF: 12111.7/6

6.366 $\pm$ 0.020 χ^2 /NDF: 600482.1/25

6.690 $\pm$ 0.020 χ^2 /NDF: 430024.3/26

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: -251.162+/-1.704 χ^2/NDF : 1145.3/8

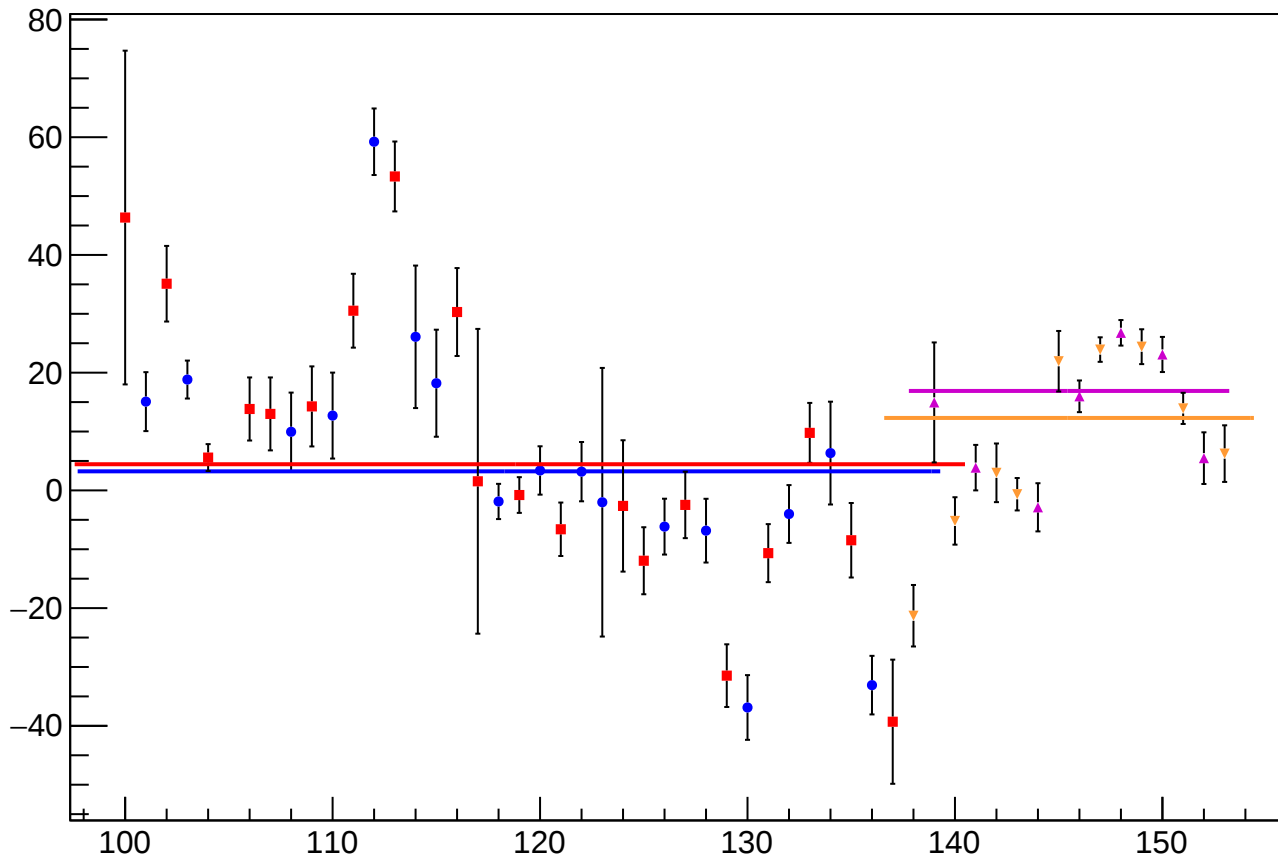
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -280.438+/-1.920 χ^2/NDF : 112.6/6

-251.162+/-1.704 χ^2/NDF : 1145.3/8

-280.438+/-1.920 χ^2/NDF : 112.6/6

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 3.237 ± 1.244 $\chi^2/\text{NDF}: 255.3/16$

Left Out: 12.308 ± 1.092 $\chi^2/\text{NDF}: 139.2/8$

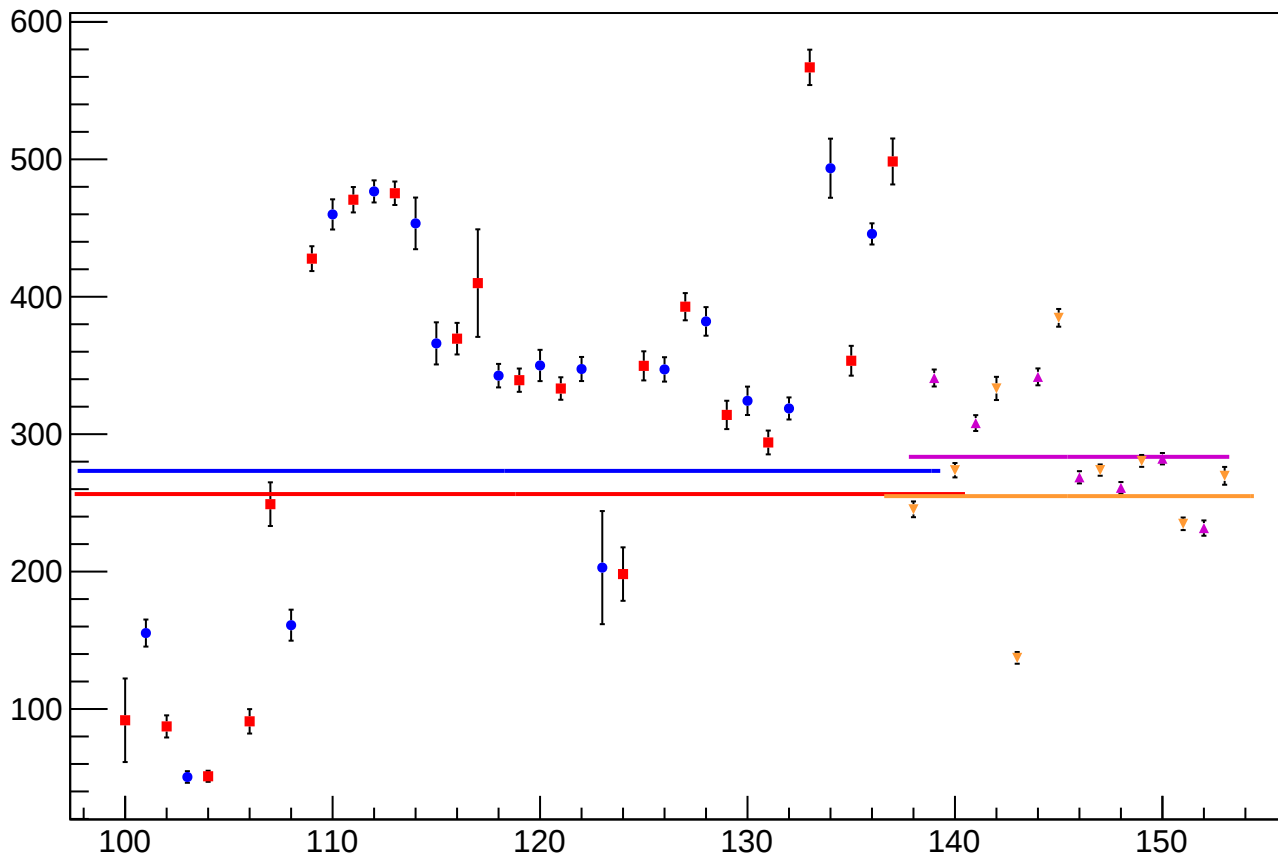
Right Out: 4.444 ± 1.156 $\chi^2/\text{NDF}: 225.8/19$

Left In: 16.895 ± 1.240 $\chi^2/\text{NDF}: 66.6/6$

8.361 ± 0.820 $\chi^2/\text{NDF}: 424.6/25$

10.236 ± 0.845 $\chi^2/\text{NDF}: 346.4/26$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 273.276 ± 2.205 $\chi^2/\text{NDF}: 5101.5/16$

Left Out: 254.916 ± 1.704 $\chi^2/\text{NDF}: 1350.8/8$

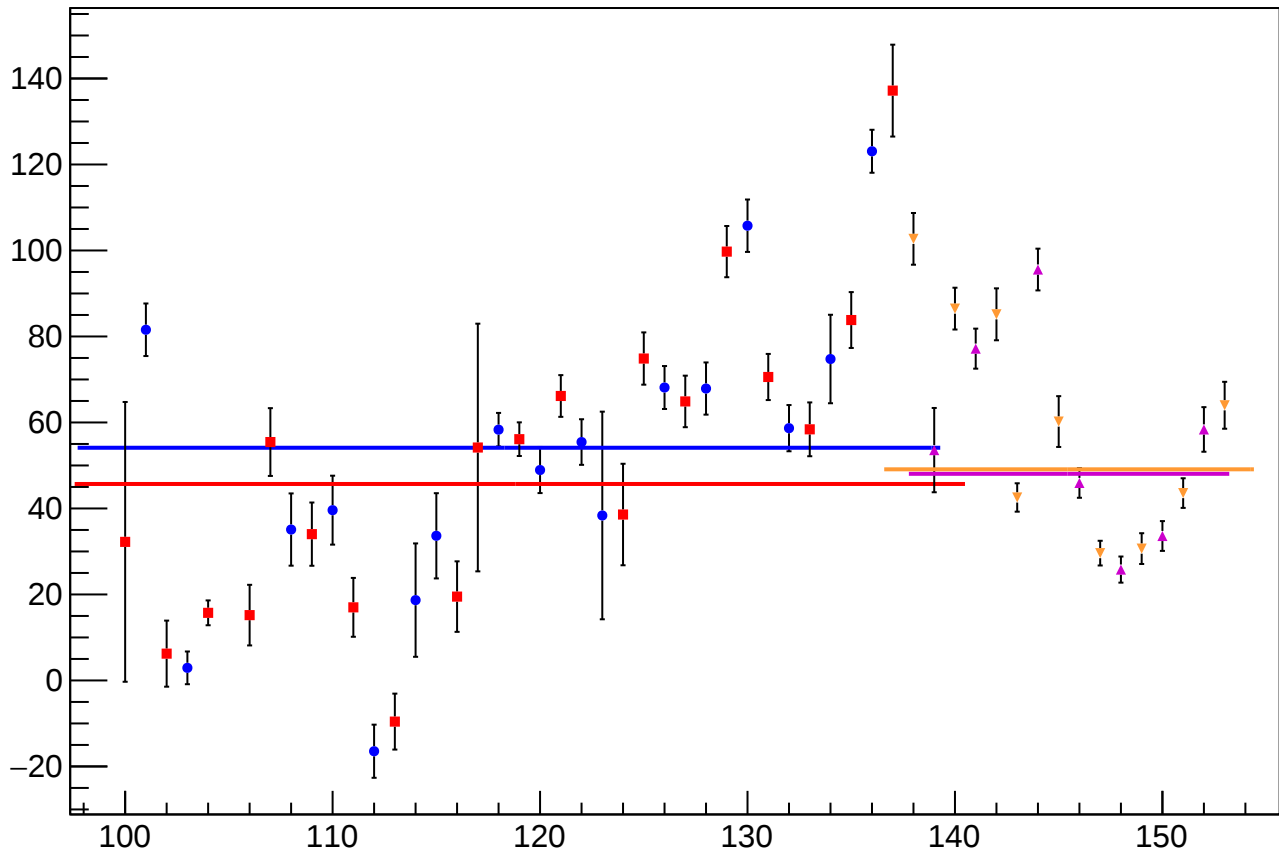
Right Out: 256.418 ± 2.077 $\chi^2/\text{NDF}: 6453.9/19$

Left In: 283.507 ± 1.888 $\chi^2/\text{NDF}: 320.6/6$

261.784 ± 1.348 $\chi^2/\text{NDF}: 6495.8/25$

271.246 ± 1.397 $\chi^2/\text{NDF}: 6867.6/26$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 54.119 $\pm$ 1.438 χ^2 /NDF: 633.9/16

Left Out: 49.103 $\pm$ 1.367 χ^2 /NDF: 264.3/8

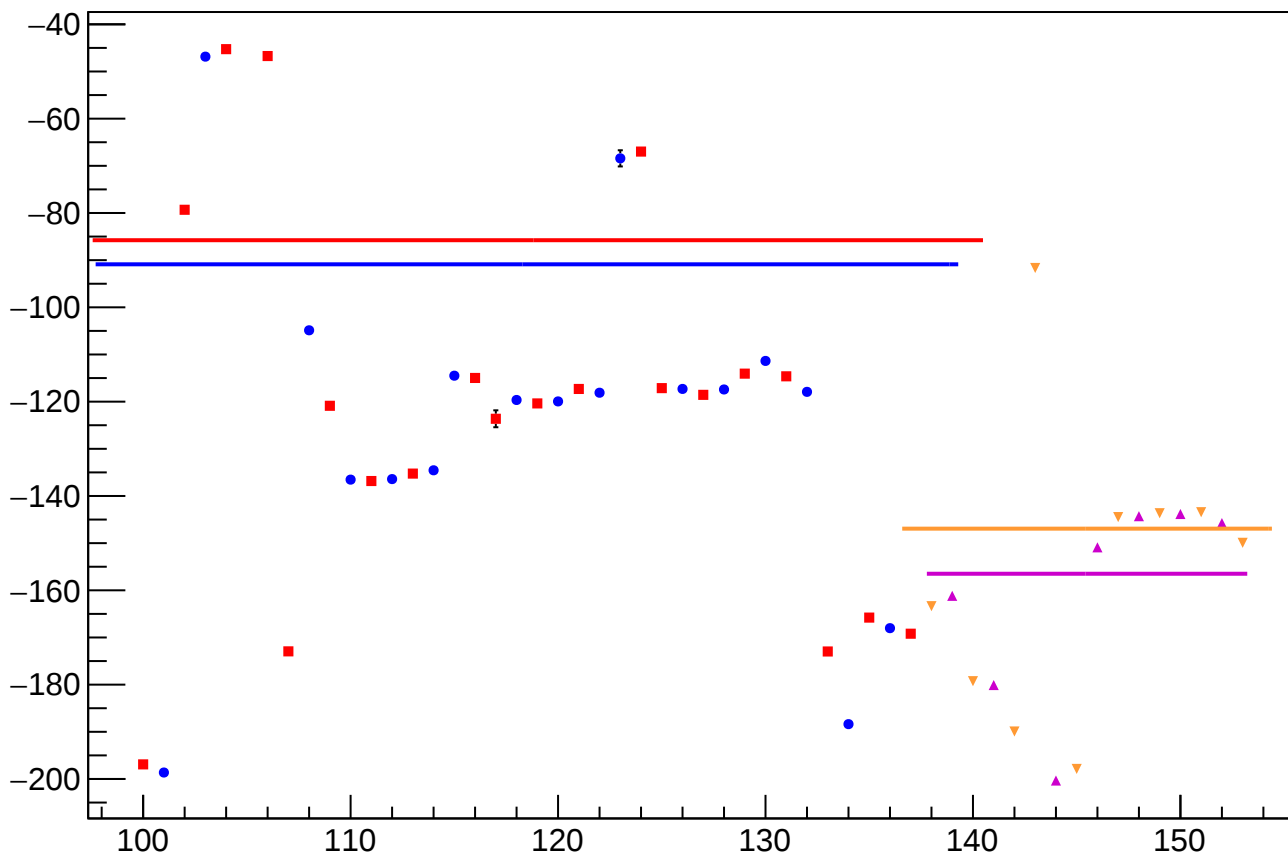
Right Out: 45.694 $\pm$ 1.356 χ^2 /NDF: 531.1/19

Left In: 48.057 $\pm$ 1.558 χ^2 /NDF: 210.7/6

51.485 $\pm$ 0.991 χ^2 /NDF: 904.6/25

46.712 $\pm$ 1.023 χ^2 /NDF: 743.1/26

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -90.881 $\pm$ 0.068 χ^2/NDF : 533423.8/16

Left Out: -146.927 $\pm$ 0.072 χ^2/NDF : 186662.7/8

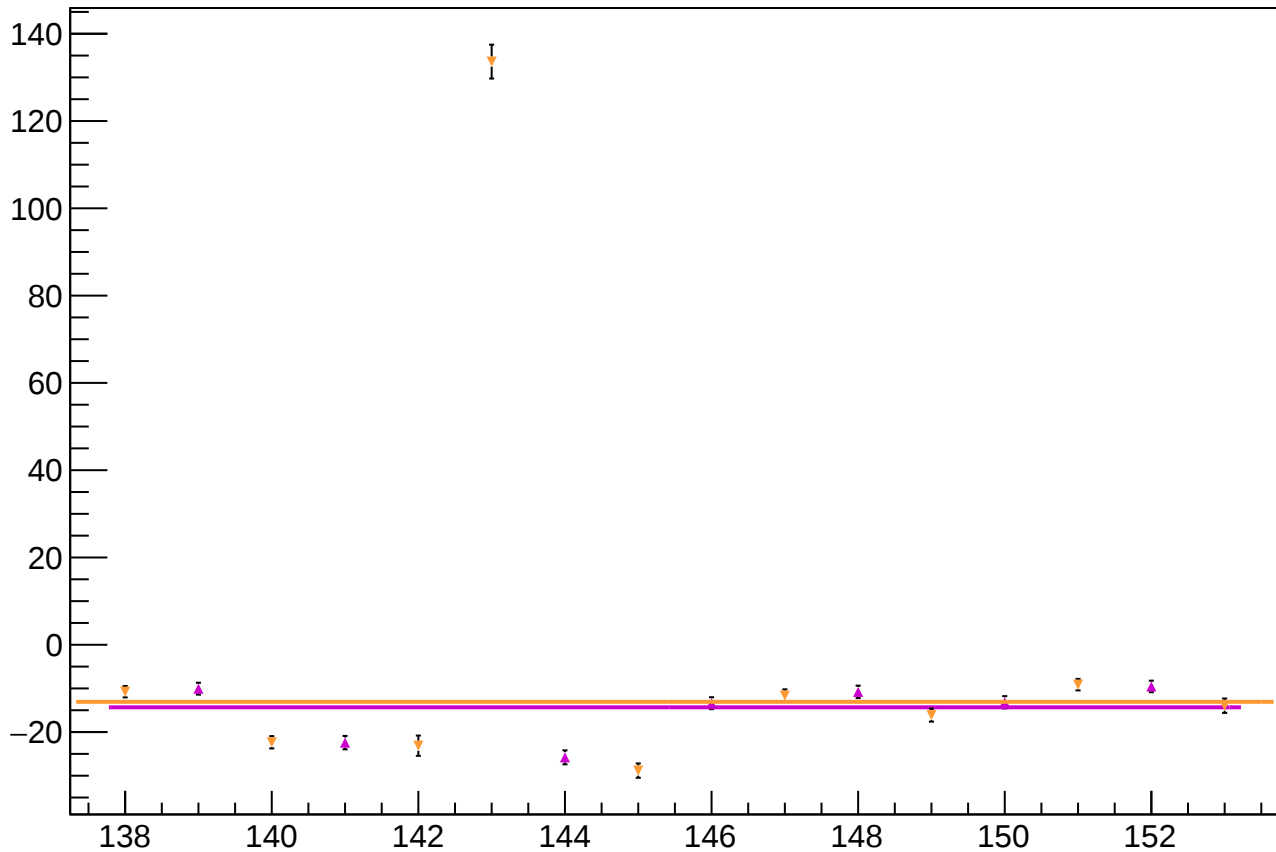
Right Out: -85.772 $\pm$ 0.065 χ^2/NDF : 494629.5/19

Left In: -156.488 $\pm$ 0.079 χ^2/NDF : 50021.0/6

-117.388 $\pm$ 0.049 χ^2/NDF : 1043710.1/25

-114.339 $\pm$ 0.050 χ^2/NDF : 1022459.4/26

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: -13.071+/-0.529 χ^2/NDF :1599.2/8

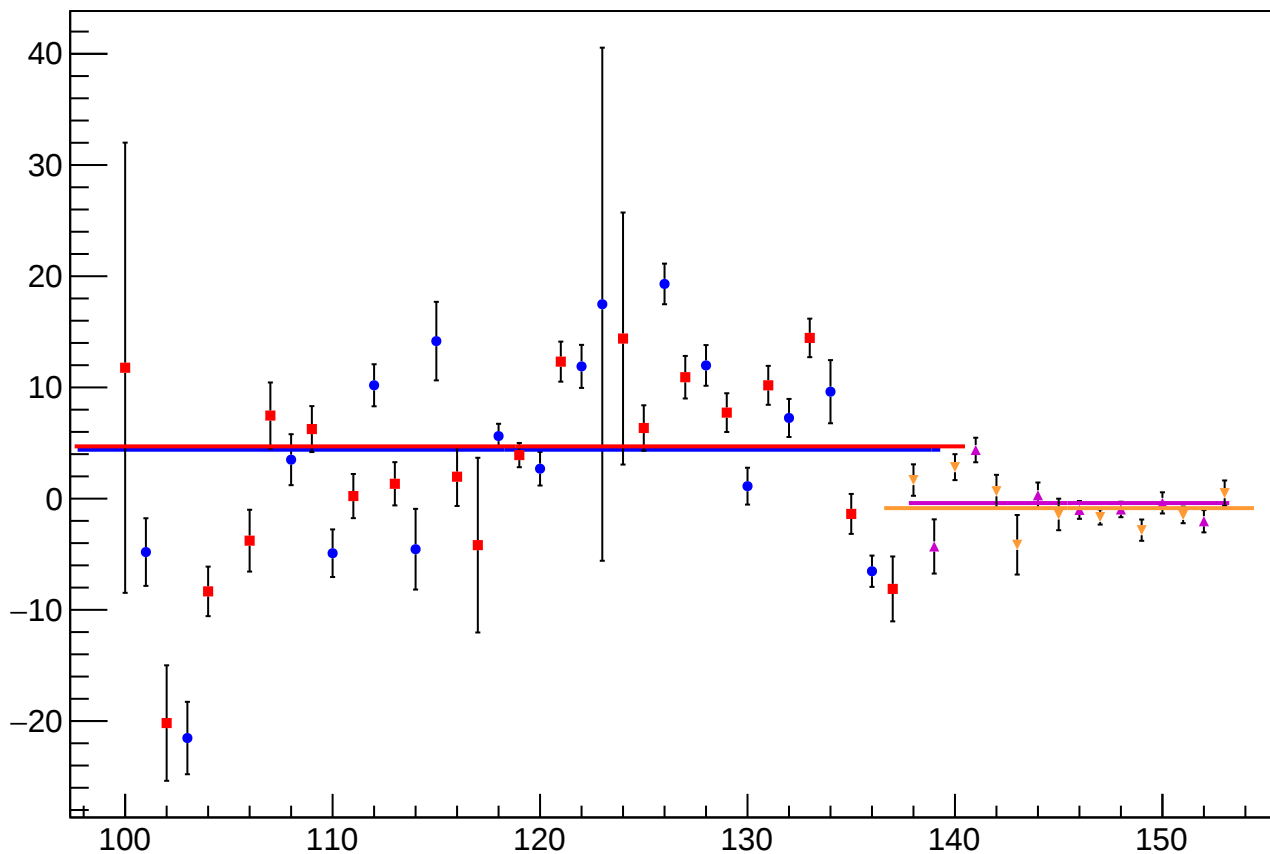
-13.071+/-0.529 χ^2/NDF : 1599.2/8

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

Left In: -14.329+/-0.539 χ^2/NDF :108.6/6

-14.329+/-0.539 χ^2/NDF : 108.6/6

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 4.399 $\pm$ 0.471 χ^2 /NDF: 286.8/16

Left Out: -0.854 $\pm$ 0.351 χ^2 /NDF: 23.6/8

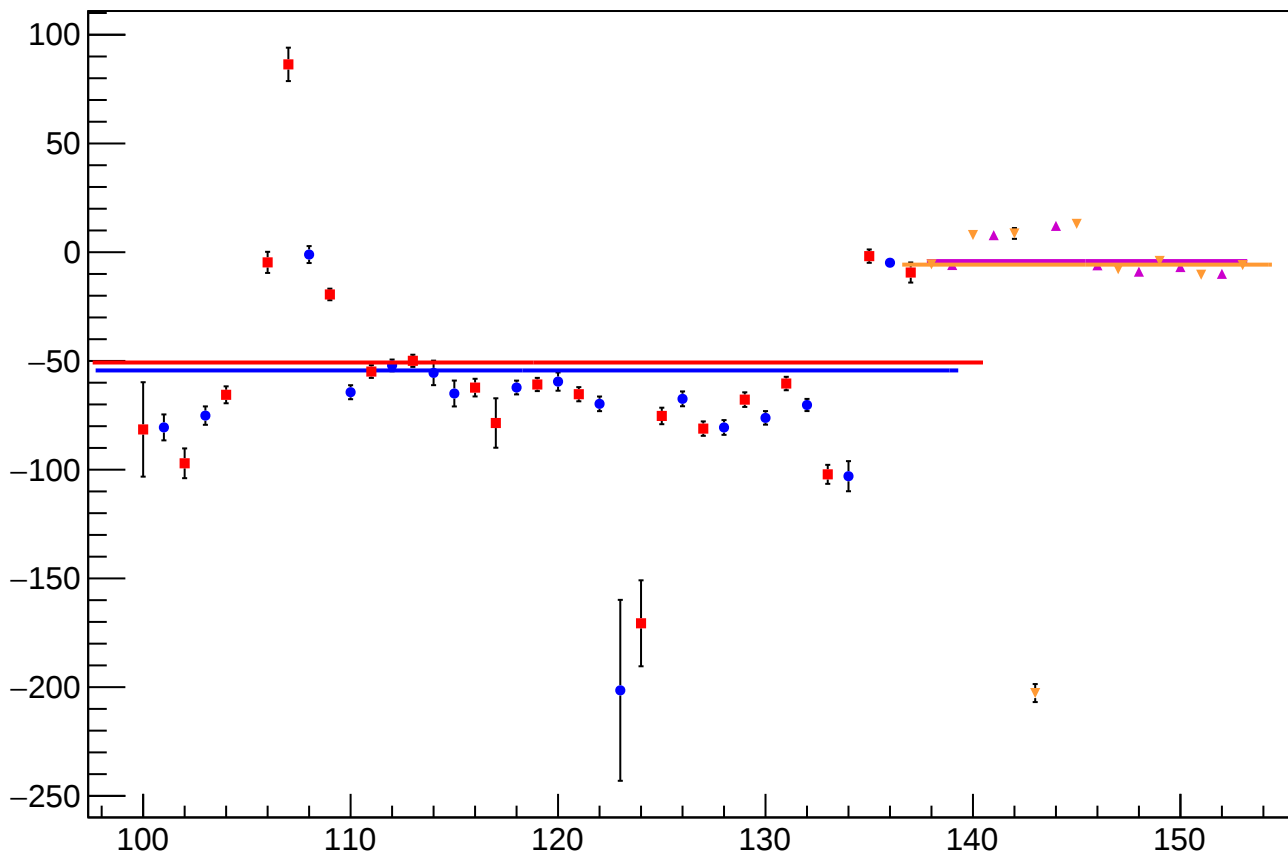
Right Out: 4.700 $\pm$ 0.472 χ^2 /NDF: 184.2/19

Left In: -0.397 $\pm$ 0.366 χ^2 /NDF: 25.5/6

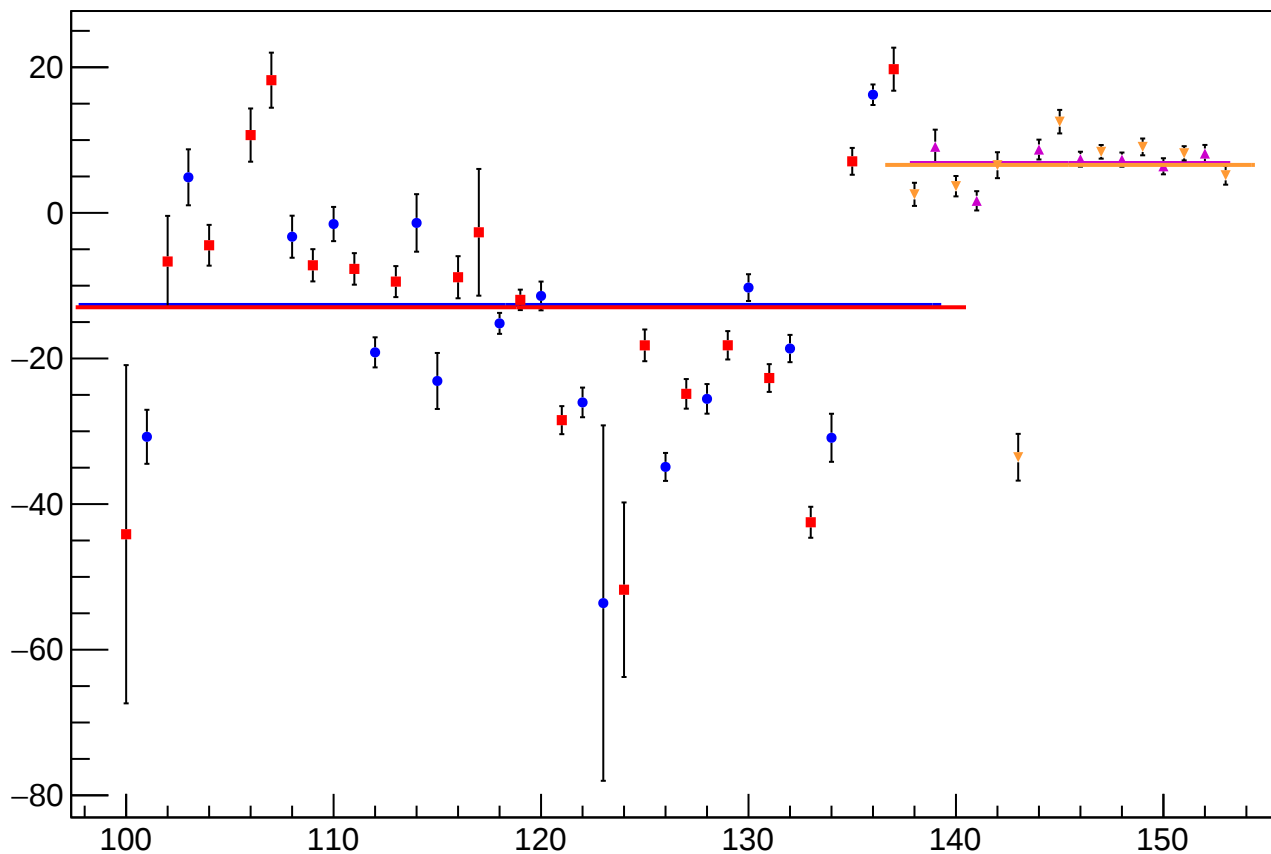
1.020 $\pm$ 0.281 χ^2 /NDF: 390.4/25

1.515 $\pm$ 0.289 χ^2 /NDF: 282.5/26

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



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: 6.588 ± 0.437 χ^2/NDF : 192.8/8

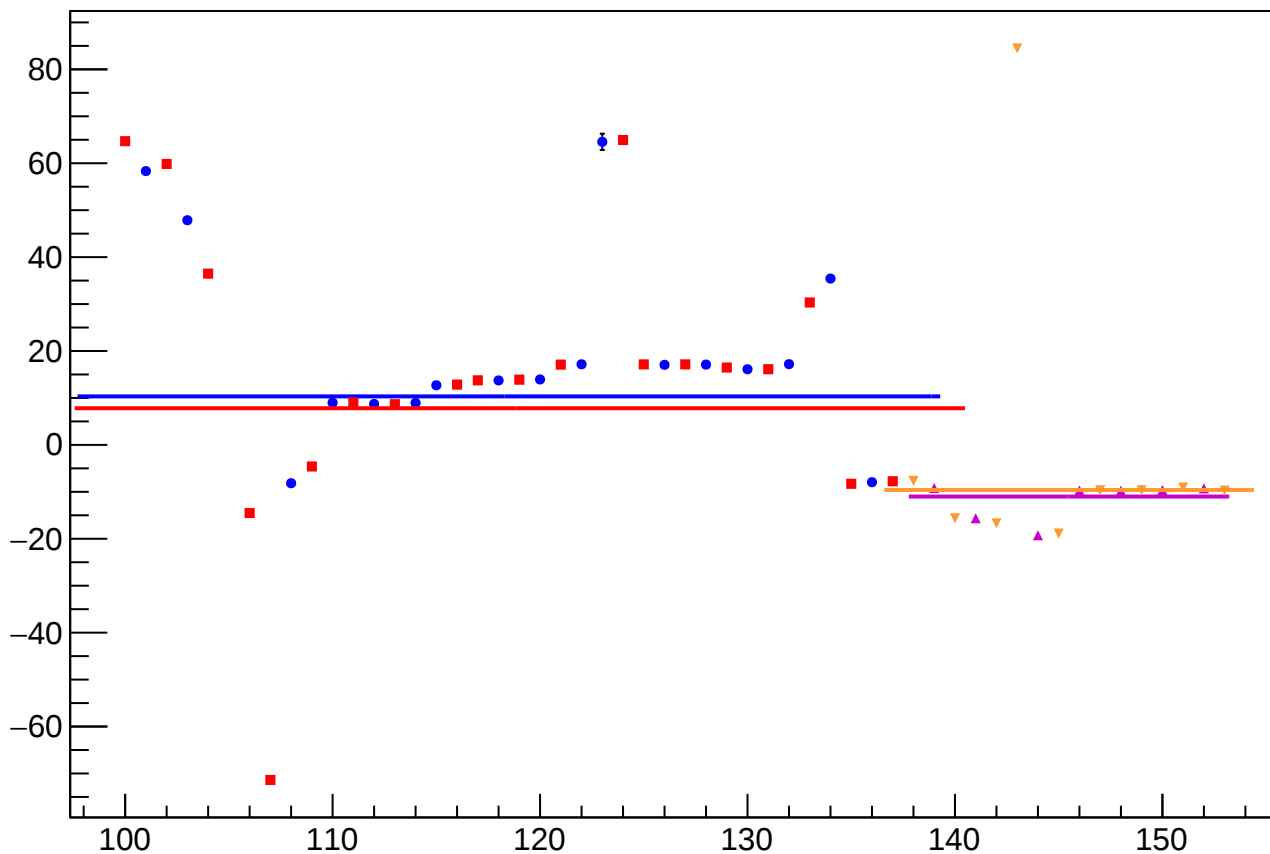
Right Out: -12.965 ± 0.536 χ^2/NDF : 722.8/19

Left In: 6.848 ± 0.455 χ^2/NDF : 20.0/6

-1.088 ± 0.339 χ^2/NDF : 1754.4/25

-1.437 ± 0.347 χ^2/NDF : 1536.4/26

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 10.330+/-0.031 χ^2/NDF : 380857.1/16

Left Out: -9.613+/-0.022 χ^2/NDF : 354433.2/8

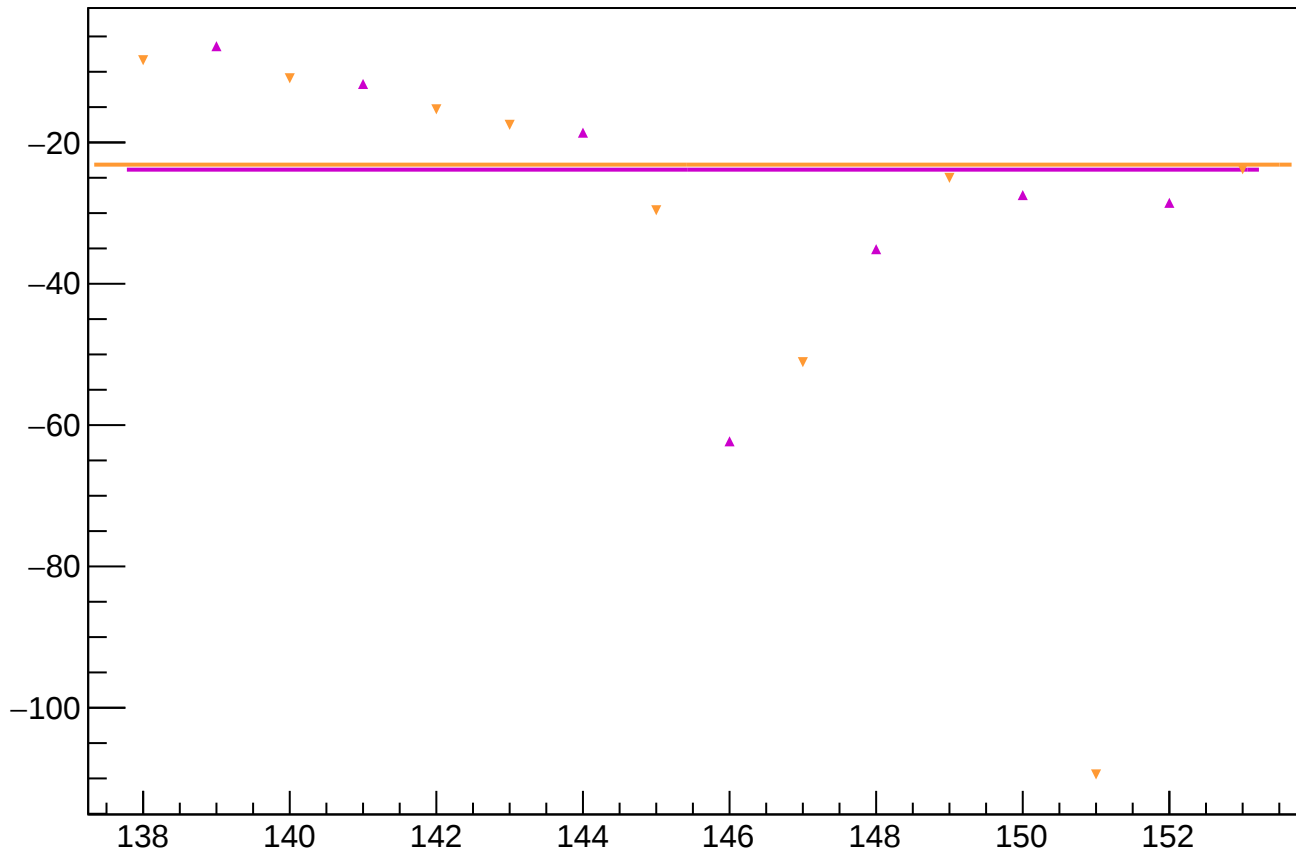
Right Out: 7.808+/-0.031 χ^2/NDF : 544249.7/19

Left In: -11.005+/-0.022 χ^2/NDF : 20868.9/6

-2.943+/-0.018 χ^2/NDF : 1016578.0/25

-4.757+/-0.018 χ^2/NDF : 807179.4/26

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



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

Left Out: -23.141+/-0.092 χ^2/NDF : 48914.3/8

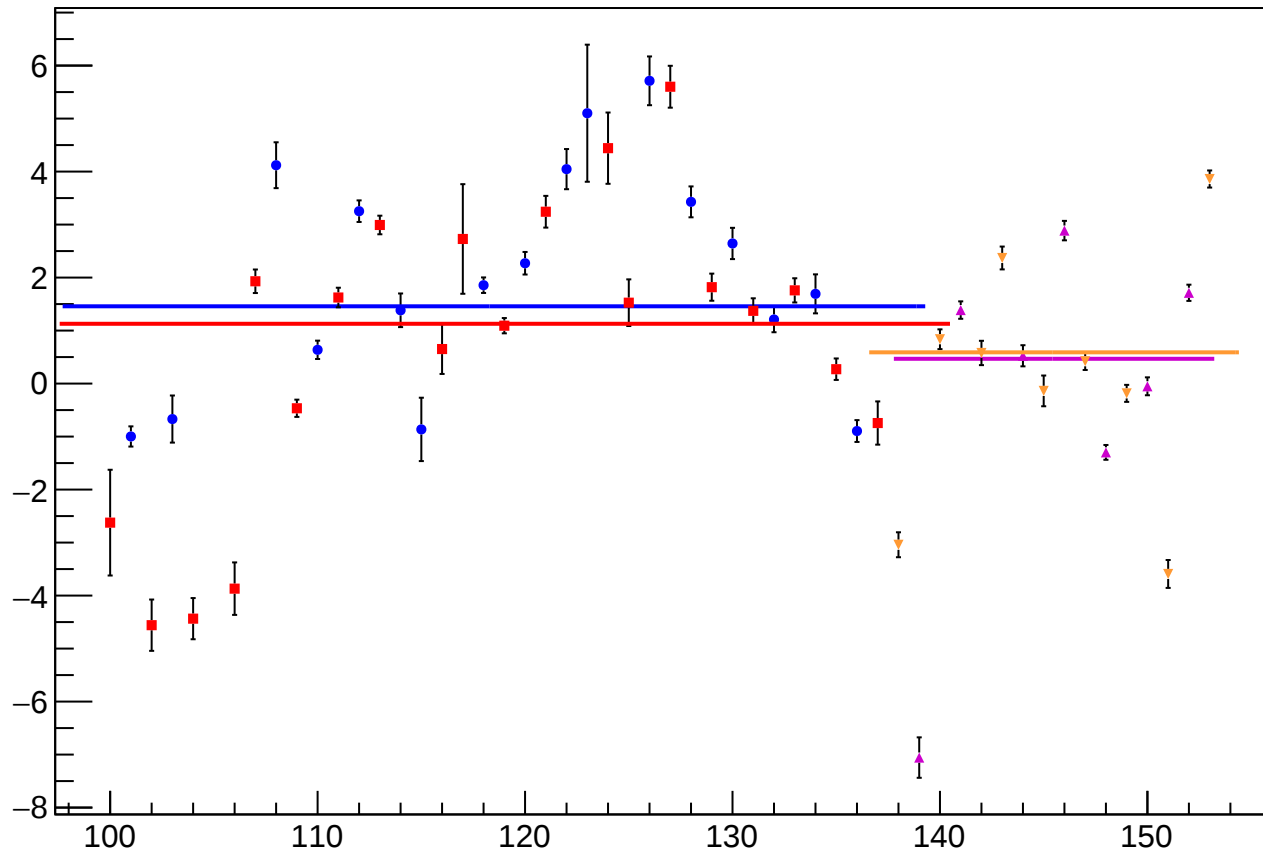
-23.141+/-0.092 χ^2/NDF : 48914.3/8

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

-23.851+/-0.094 χ^2/NDF : 27101.0/6

Left In: -23.851+/-0.094 χ^2/NDF : 27101.0/6

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.458 ± 0.062 χ^2/NDF : 698.2/16

Left Out: 0.590 ± 0.066 χ^2/NDF : 1001.1/8

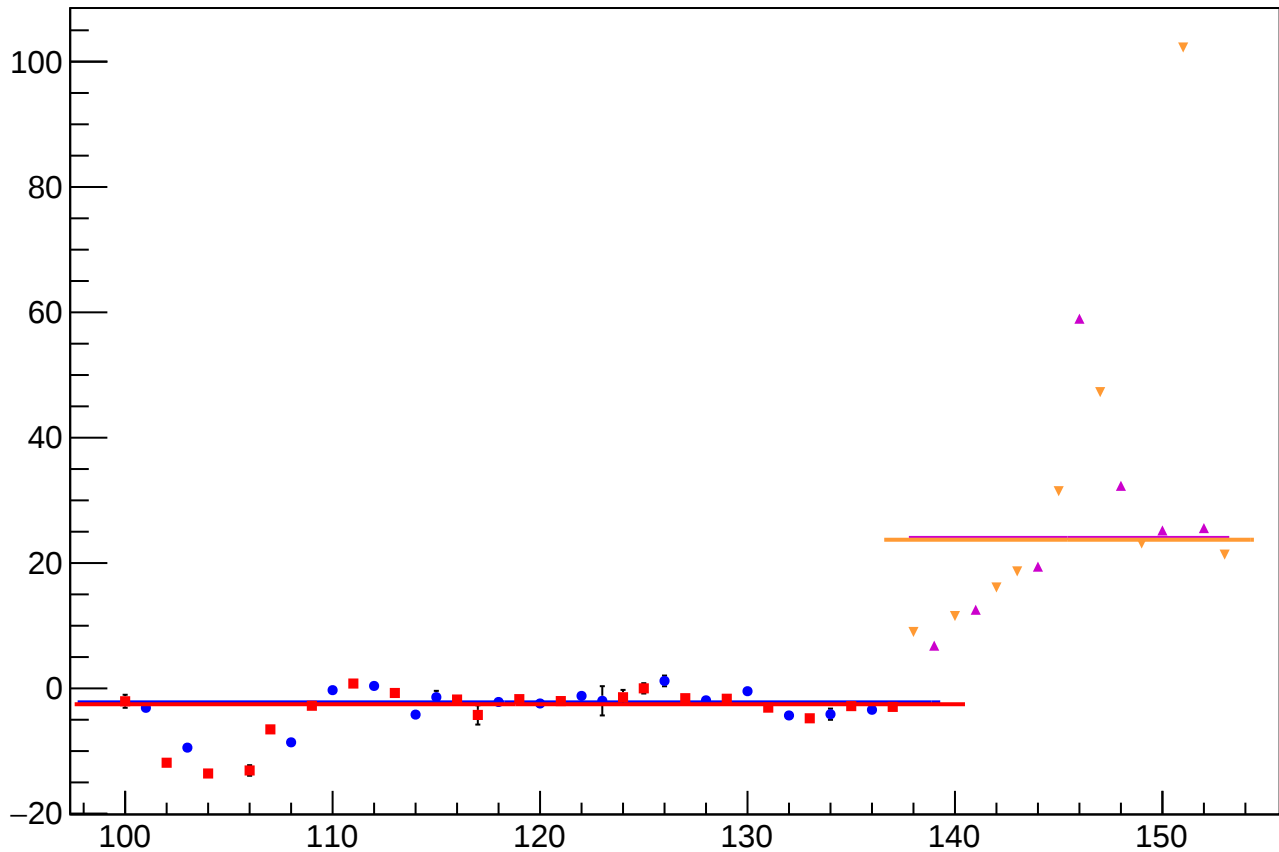
Right Out: 1.128 ± 0.058 χ^2/NDF : 949.8/19

Left In: 0.468 ± 0.066 χ^2/NDF : 829.3/6

1.053 ± 0.045 χ^2/NDF : 1791.0/25

0.842 ± 0.044 χ^2/NDF : 1835.3/26

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -2.228 ± 0.111 $\chi^2/\text{NDF}: 460.4/16$

Left Out: 23.719 ± 0.093 $\chi^2/\text{NDF}: 43616.5/8$

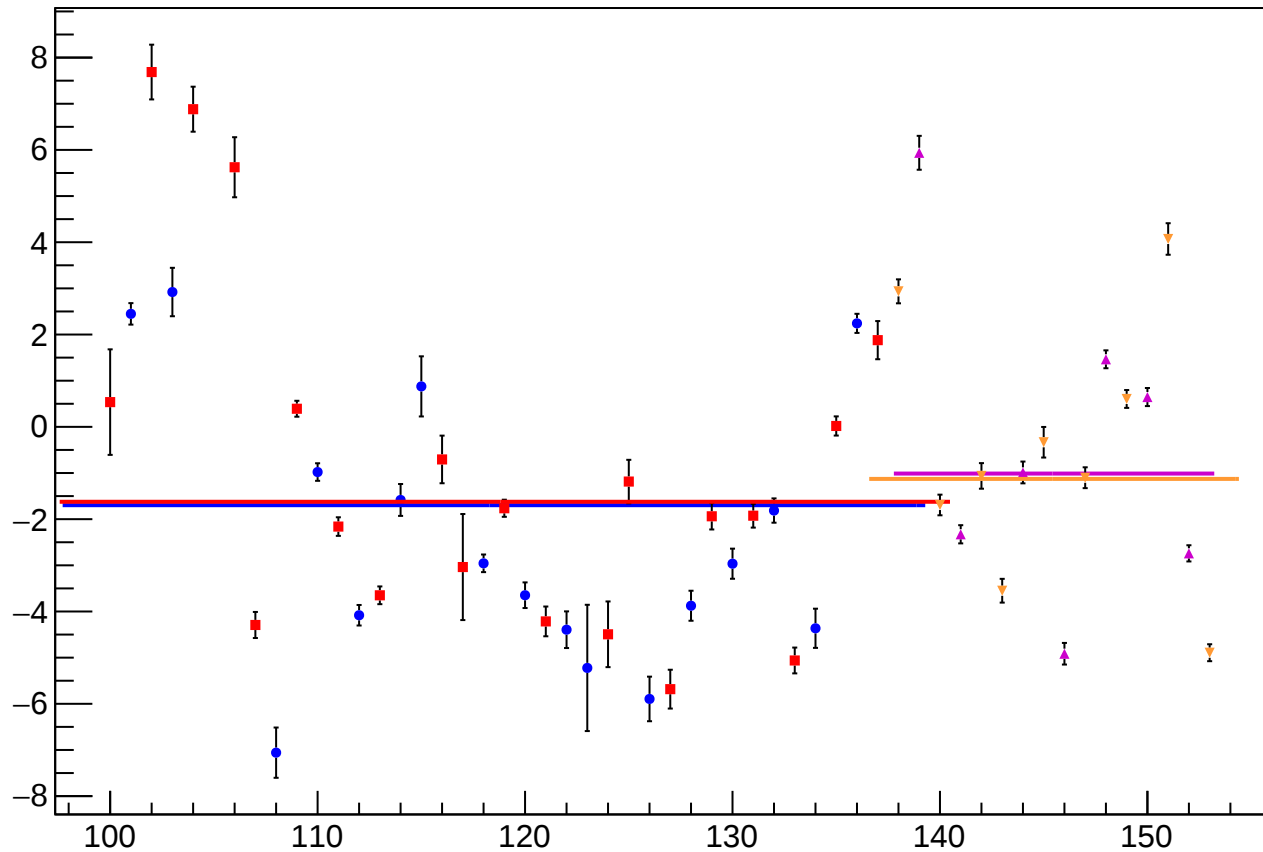
Right Out: -2.527 ± 0.099 $\chi^2/\text{NDF}: 905.2/19$

Left In: 24.008 ± 0.094 $\chi^2/\text{NDF}: 22653.4/6$

13.010 ± 0.071 $\chi^2/\text{NDF}: 76014.0/25$

11.381 ± 0.068 $\chi^2/\text{NDF}: 61387.3/26$

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.697 ± 0.071 χ^2/NDF : 1319.4/16

Left Out: -1.128 ± 0.080 χ^2/NDF : 1078.0/8

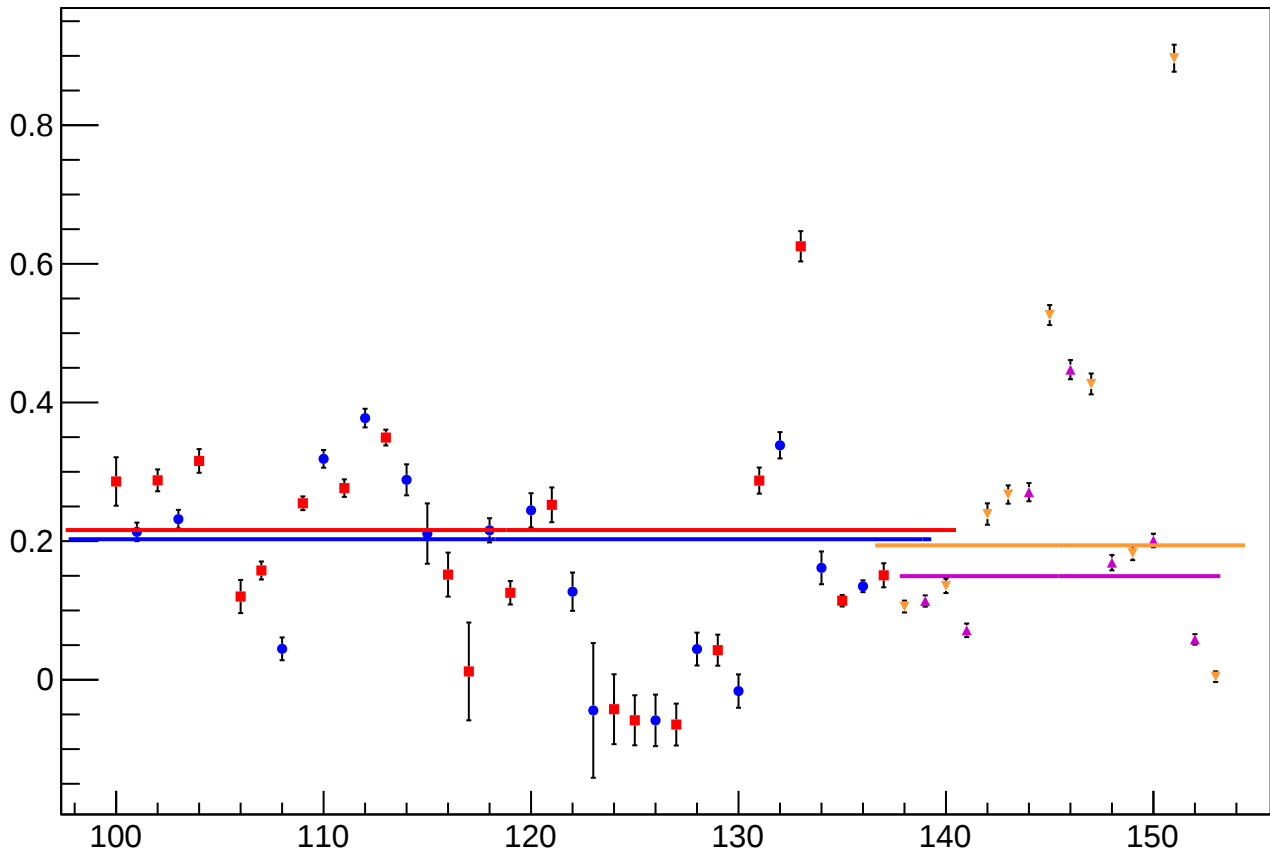
Right Out: -1.623 ± 0.066 χ^2/NDF : 1490.8/19

Left In: -1.012 ± 0.080 χ^2/NDF : 1012.0/6

-1.445 ± 0.053 χ^2/NDF : 2425.7/25

-1.379 ± 0.051 χ^2/NDF : 2537.4/26

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.203 $\pm$ 0.004 χ^2/NDF : 676.5/16

Left Out: 0.194 $\pm$ 0.004 χ^2/NDF : 2849.2/8

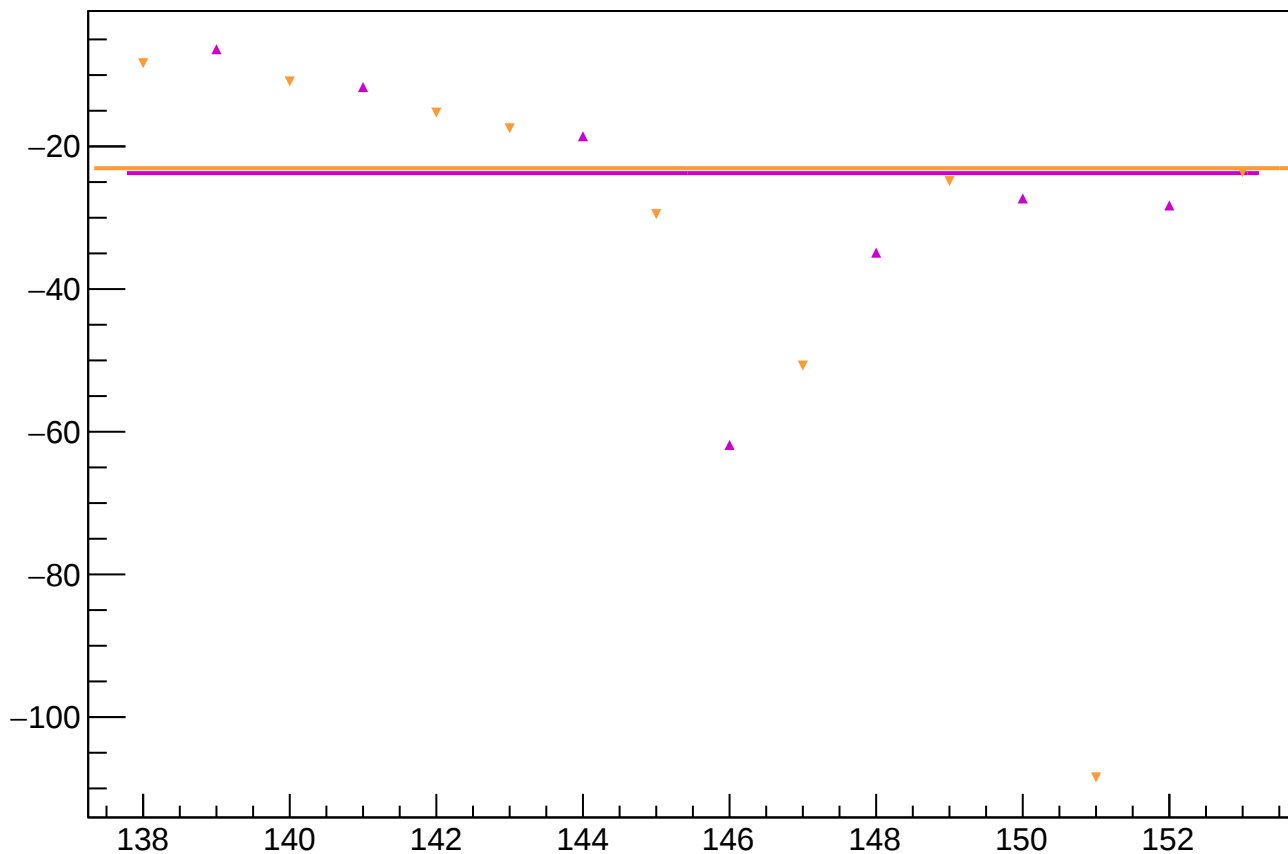
Right Out: 0.216 $\pm$ 0.004 χ^2/NDF : 1072.8/19

Left In: 0.150 $\pm$ 0.004 χ^2/NDF : 809.5/6

0.198 $\pm$ 0.003 χ^2/NDF : 3528.2/25

0.183 $\pm$ 0.003 χ^2/NDF : 2043.8/26

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



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

Left Out: -23.050+/-0.092 χ^2/NDF : 48795.8/8

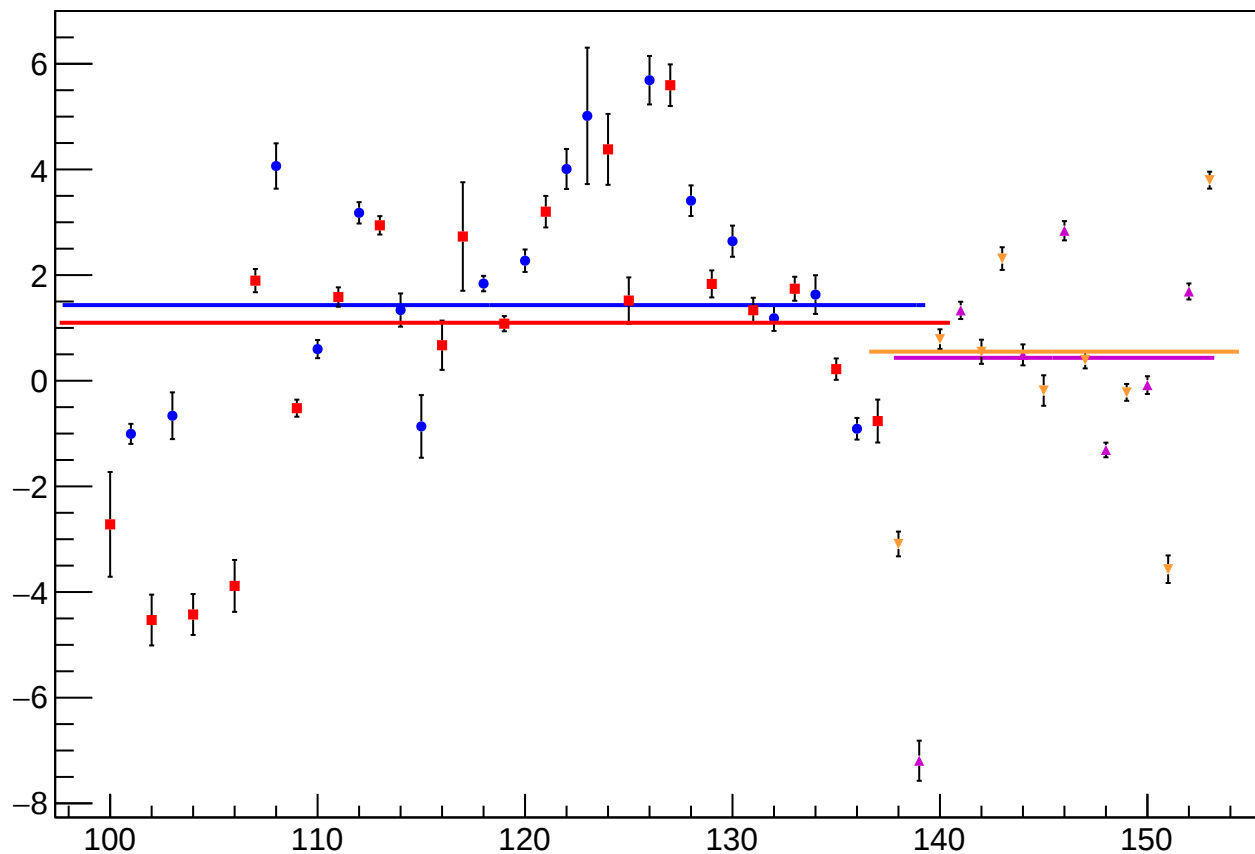
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -23.744+/-0.094 χ^2/NDF : 26998.2/6

-23.050+/-0.092 χ^2/NDF : 48795.8/8

-23.744+/-0.094 χ^2/NDF : 26998.2/6

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.432 ± 0.062 χ^2/NDF : 696.6/16

Left Out: 0.551 ± 0.066 χ^2/NDF : 1001.0/8

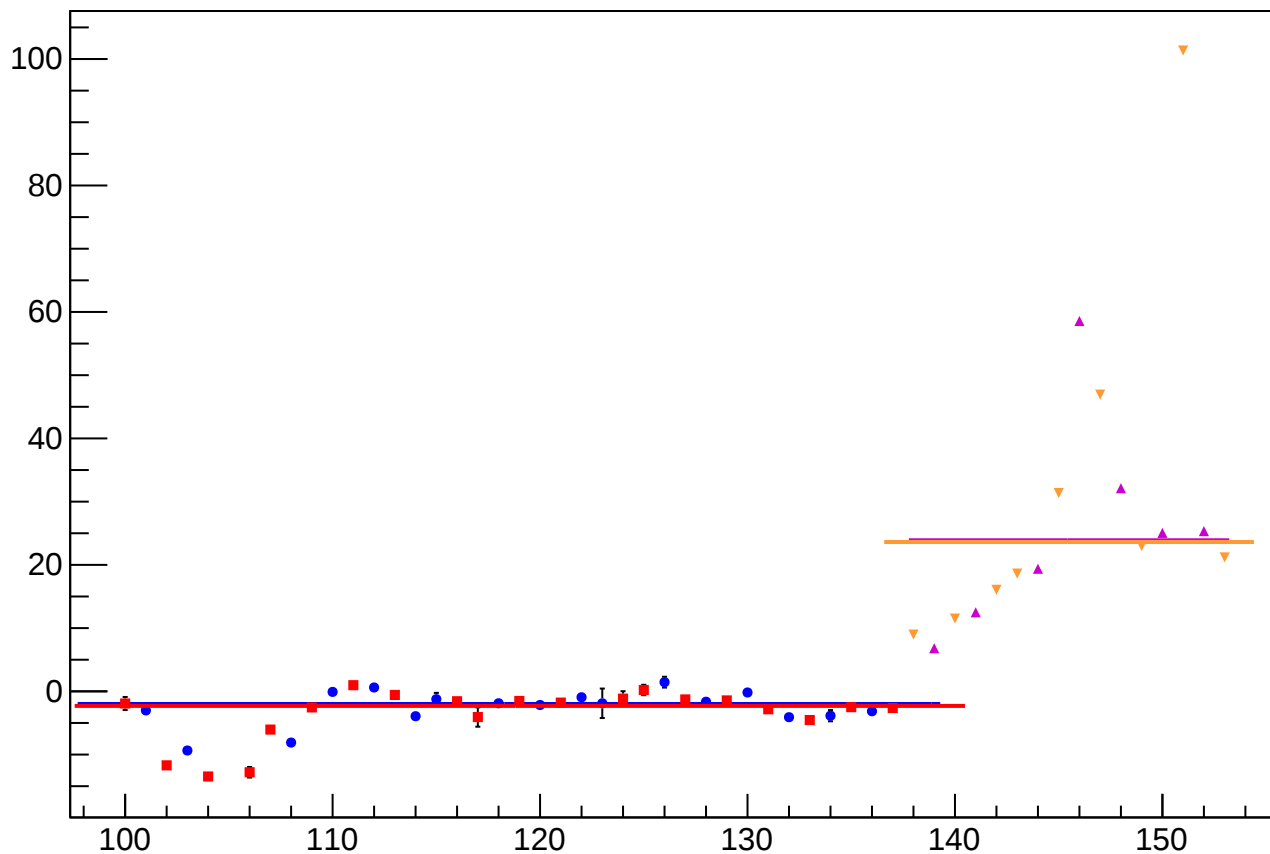
Right Out: 1.098 ± 0.058 χ^2/NDF : 955.7/19

Left In: 0.434 ± 0.066 χ^2/NDF : 843.9/6

1.020 ± 0.045 χ^2/NDF : 1792.9/25

0.809 ± 0.043 χ^2/NDF : 1857.1/26

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -2.005 ± 0.111 χ^2/NDF : 463.1/16

Left Out: 23.618 ± 0.093 χ^2/NDF : 43510.9/8

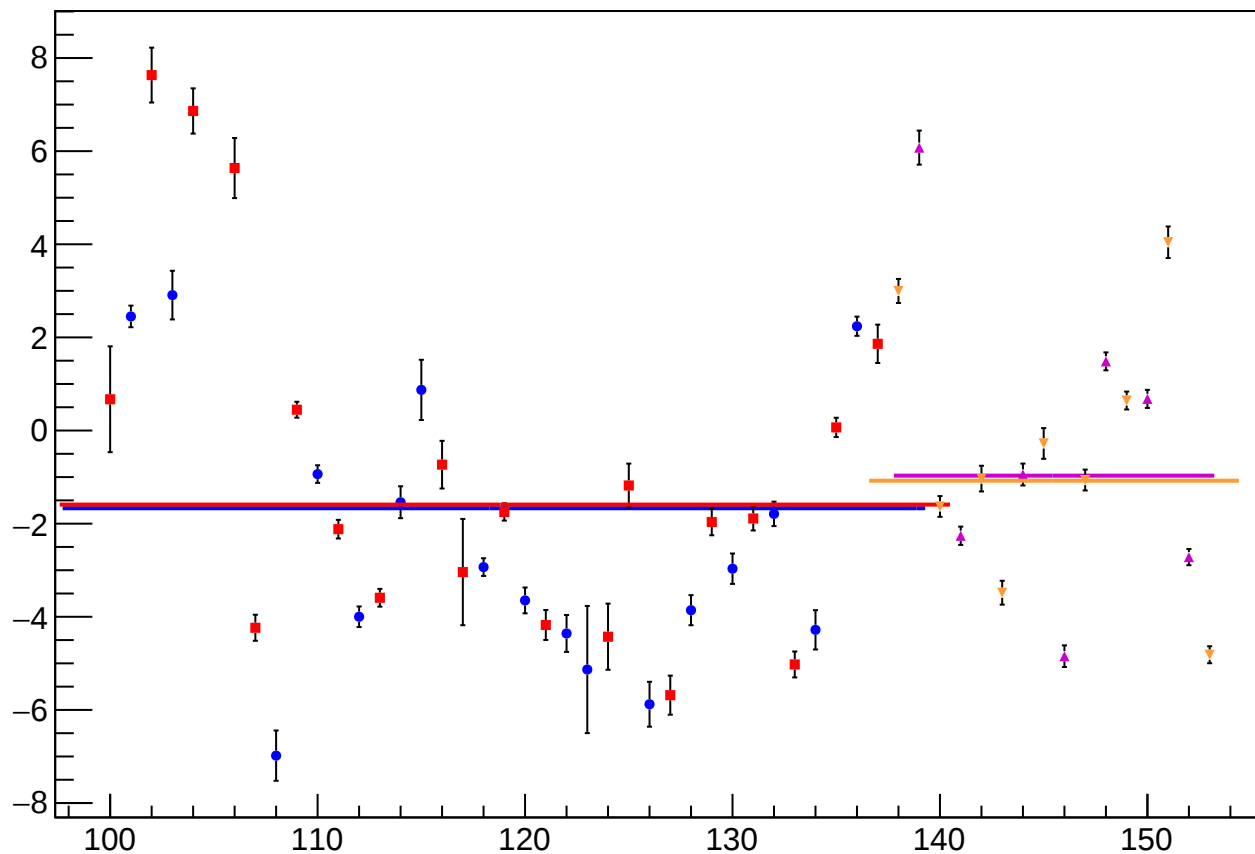
Right Out: -2.302 ± 0.098 χ^2/NDF : 908.6/19

Left In: 23.891 ± 0.094 χ^2/NDF : 22568.1/6

13.055 ± 0.071 χ^2/NDF : 75452.7/25

11.441 ± 0.068 χ^2/NDF : 60766.4/26

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.669 ± 0.071 χ^2/NDF : 1314.9/16

Left Out: -1.077 ± 0.079 χ^2/NDF : 1078.6/8

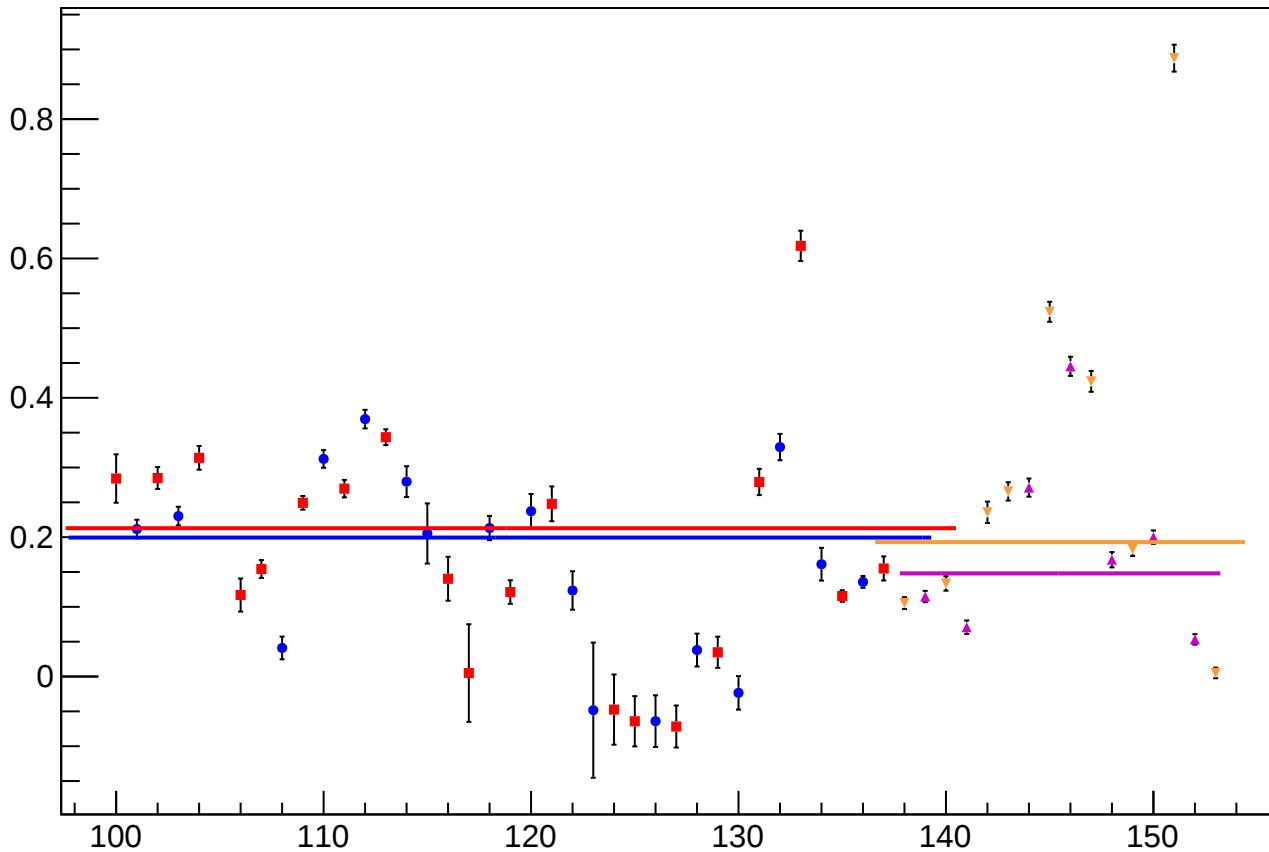
Right Out: -1.590 ± 0.065 χ^2/NDF : 1496.3/19

Left In: -0.969 ± 0.080 χ^2/NDF : 1028.2/6

-1.407 ± 0.053 χ^2/NDF : 2424.5/25

-1.342 ± 0.051 χ^2/NDF : 2560.8/26

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.199 ± 0.004 χ^2/NDF : 662.1/16

Left Out: 0.193 ± 0.004 χ^2/NDF : 2839.2/8

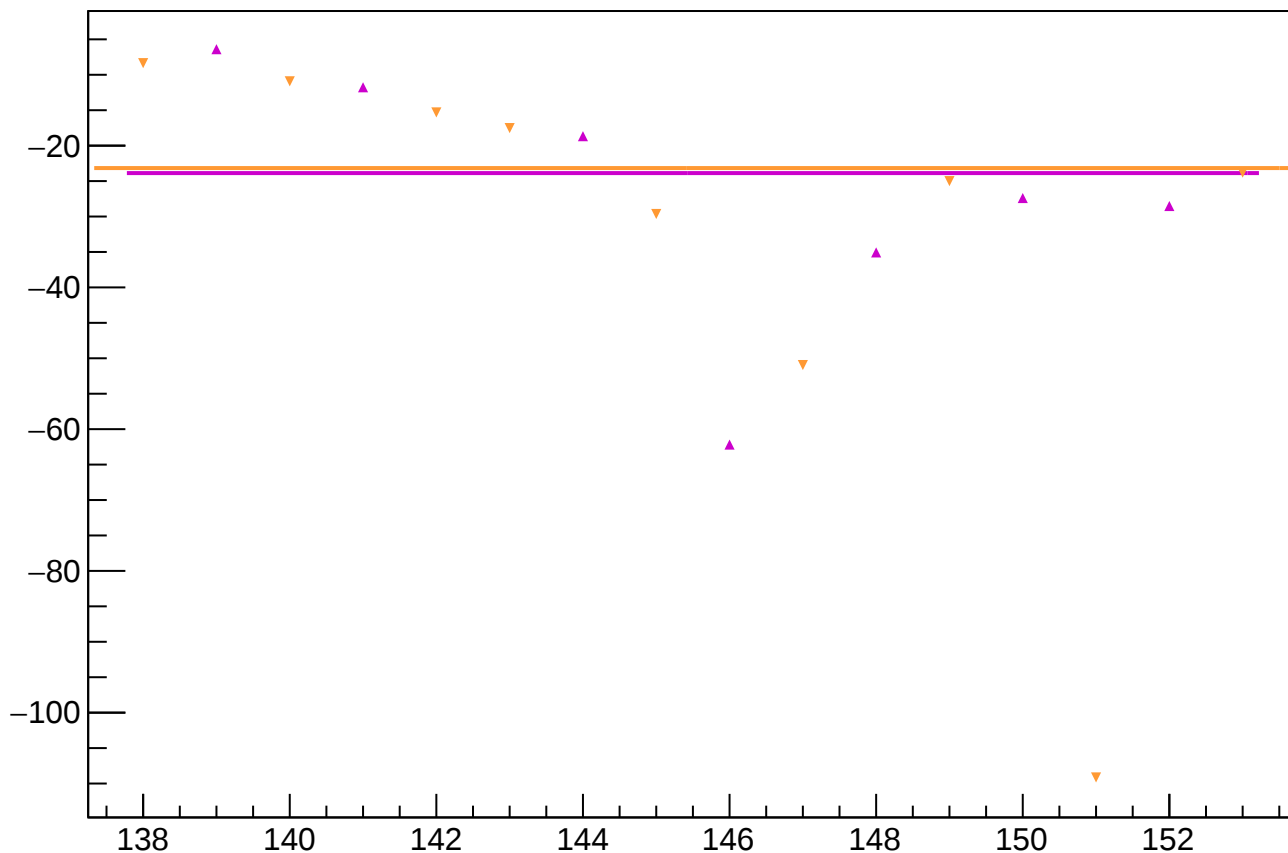
Right Out: 0.213 ± 0.004 χ^2/NDF : 1057.0/19

Left In: 0.148 ± 0.004 χ^2/NDF : 829.6/6

0.196 ± 0.003 χ^2/NDF : 3502.7/25

0.181 ± 0.003 χ^2/NDF : 2041.6/26

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



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

Left Out: -23.163+/-0.092 χ^2/NDF : 48898.4/8

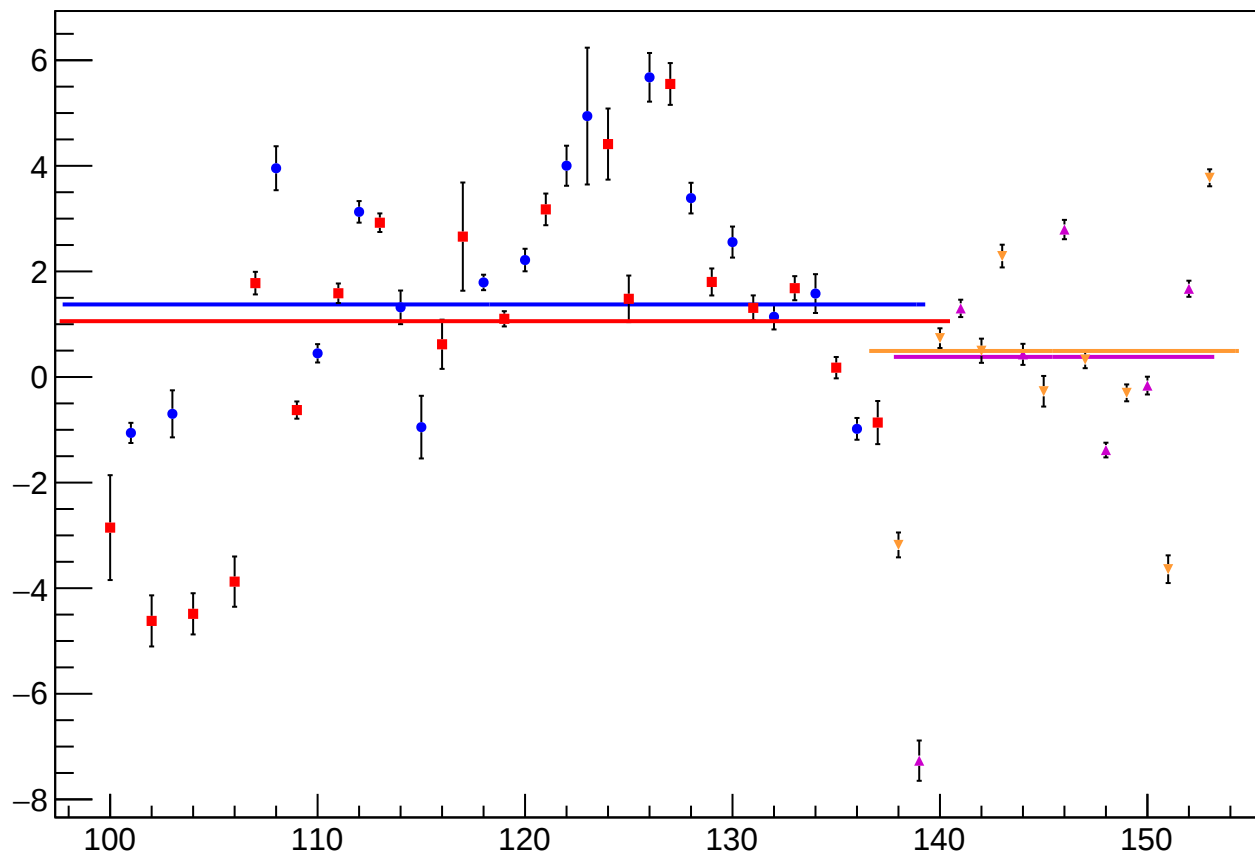
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -23.871+/-0.094 χ^2/NDF : 27052.7/6

-23.163+/-0.092 χ^2/NDF : 48898.4/8

-23.871+/-0.094 χ^2/NDF : 27052.7/6

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: 0.493 ± 0.066 $\chi^2/\text{NDF}: 1010.6/8$

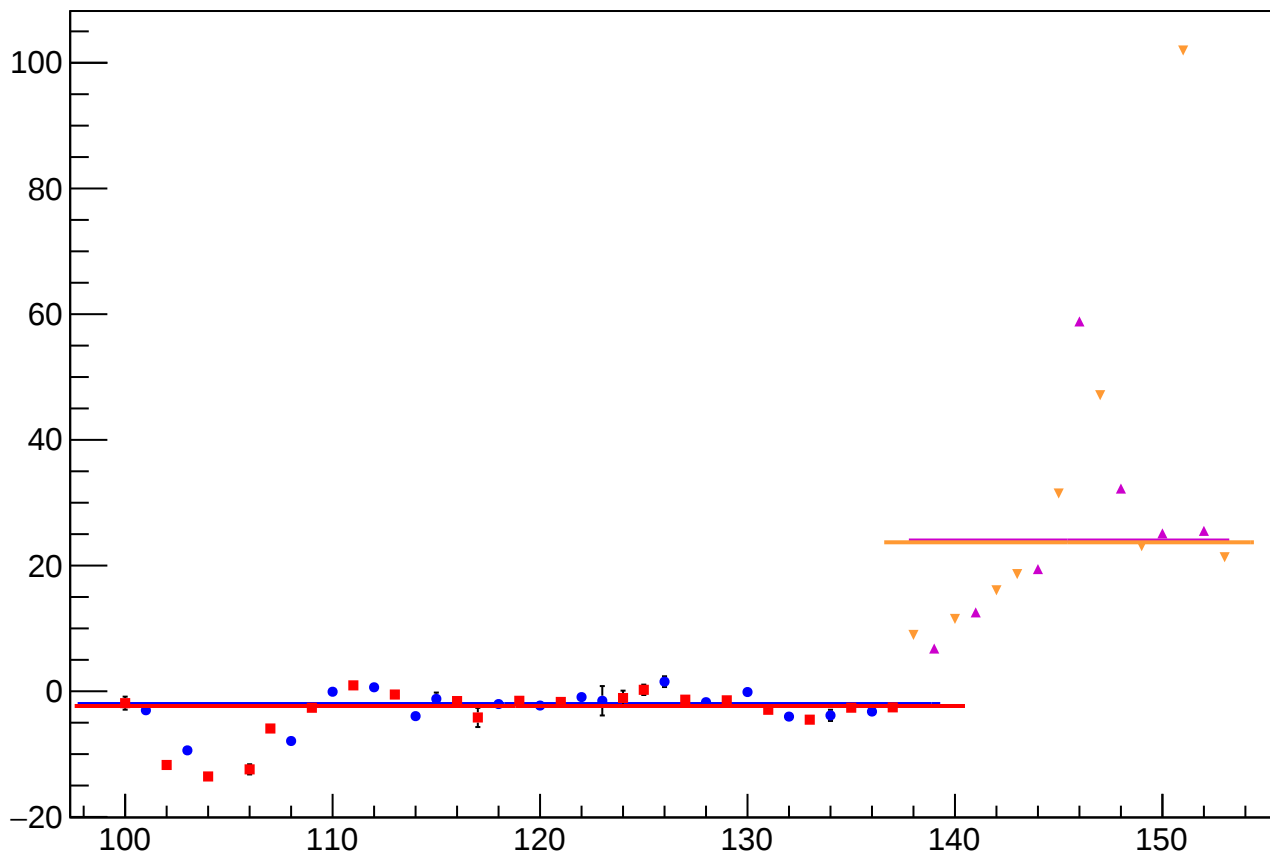
Right Out: 1.058 ± 0.058 $\chi^2/\text{NDF}: 966.5/19$

Left In: 0.381 ± 0.066 $\chi^2/\text{NDF}: 849.0/6$

0.963 ± 0.045 $\chi^2/\text{NDF}: 1807.6/25$

0.764 ± 0.044 $\chi^2/\text{NDF}: 1874.7/26$

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -2.031 ± 0.111 χ^2/NDF : 463.2/16

Left Out: 23.702 ± 0.093 χ^2/NDF : 43601.2/8

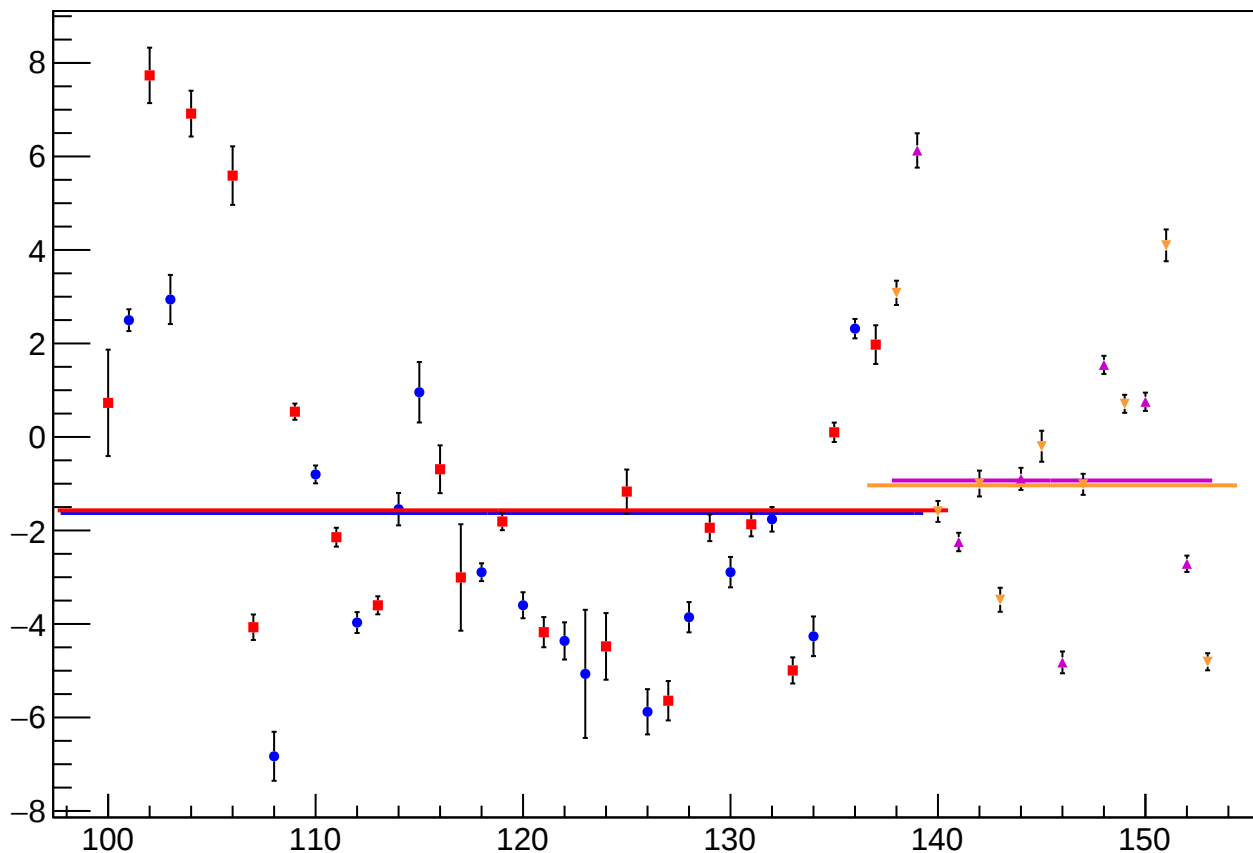
Right Out: -2.344 ± 0.099 χ^2/NDF : 903.4/19

Left In: 23.987 ± 0.094 χ^2/NDF : 22614.3/6

13.105 ± 0.071 χ^2/NDF : 75503.3/25

11.476 ± 0.068 χ^2/NDF : 60846.4/26

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -1.625 ± 0.071 χ^2/NDF : 1320.8/16

Left Out: -1.035 ± 0.080 χ^2/NDF : 1088.5/8

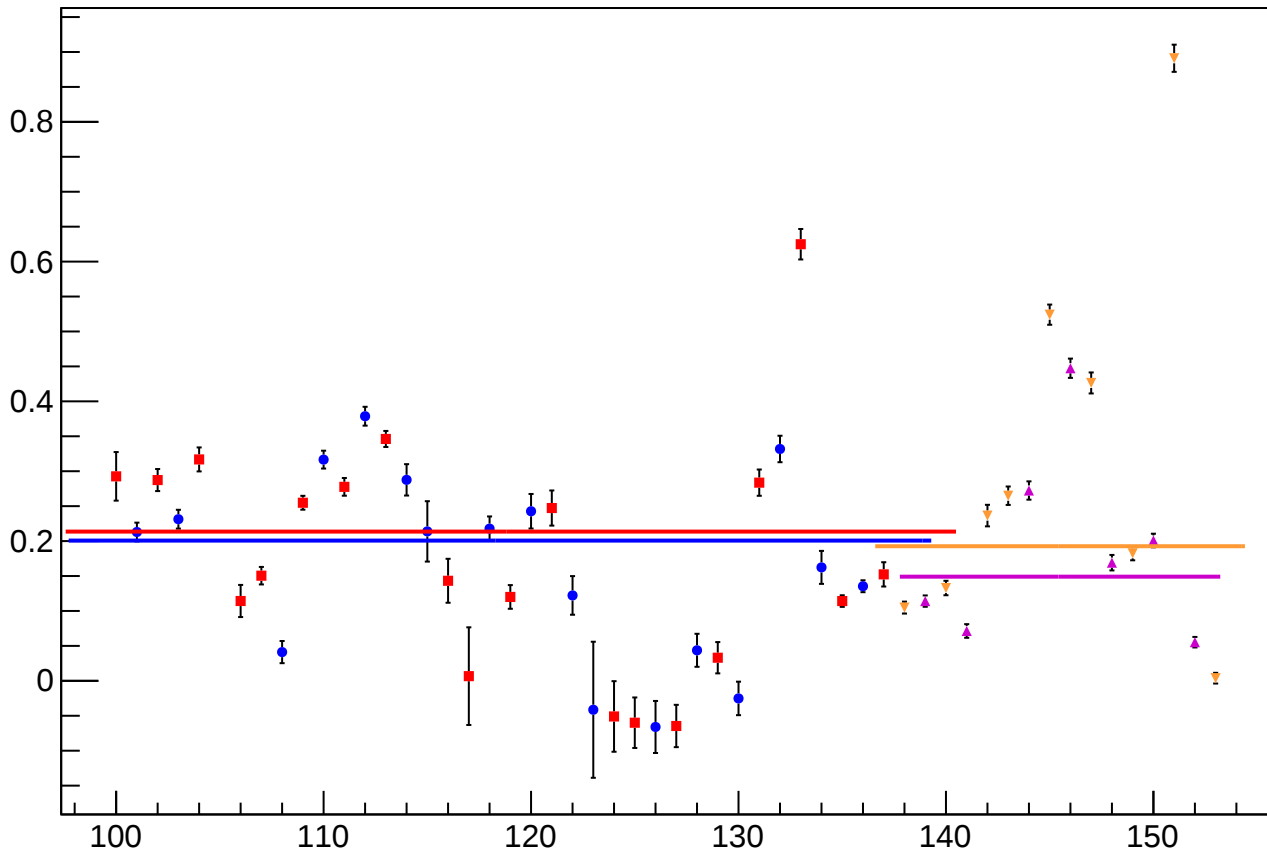
Right Out: -1.570 ± 0.065 χ^2/NDF : 1507.4/19

Left In: -0.931 ± 0.080 χ^2/NDF : 1033.3/6

-1.363 ± 0.053 χ^2/NDF : 2439.8/25

-1.315 ± 0.051 χ^2/NDF : 2578.6/26

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.201 ± 0.004 χ^2/NDF : 690.6/16

Left Out: 0.193 ± 0.004 χ^2/NDF : 2841.7/8

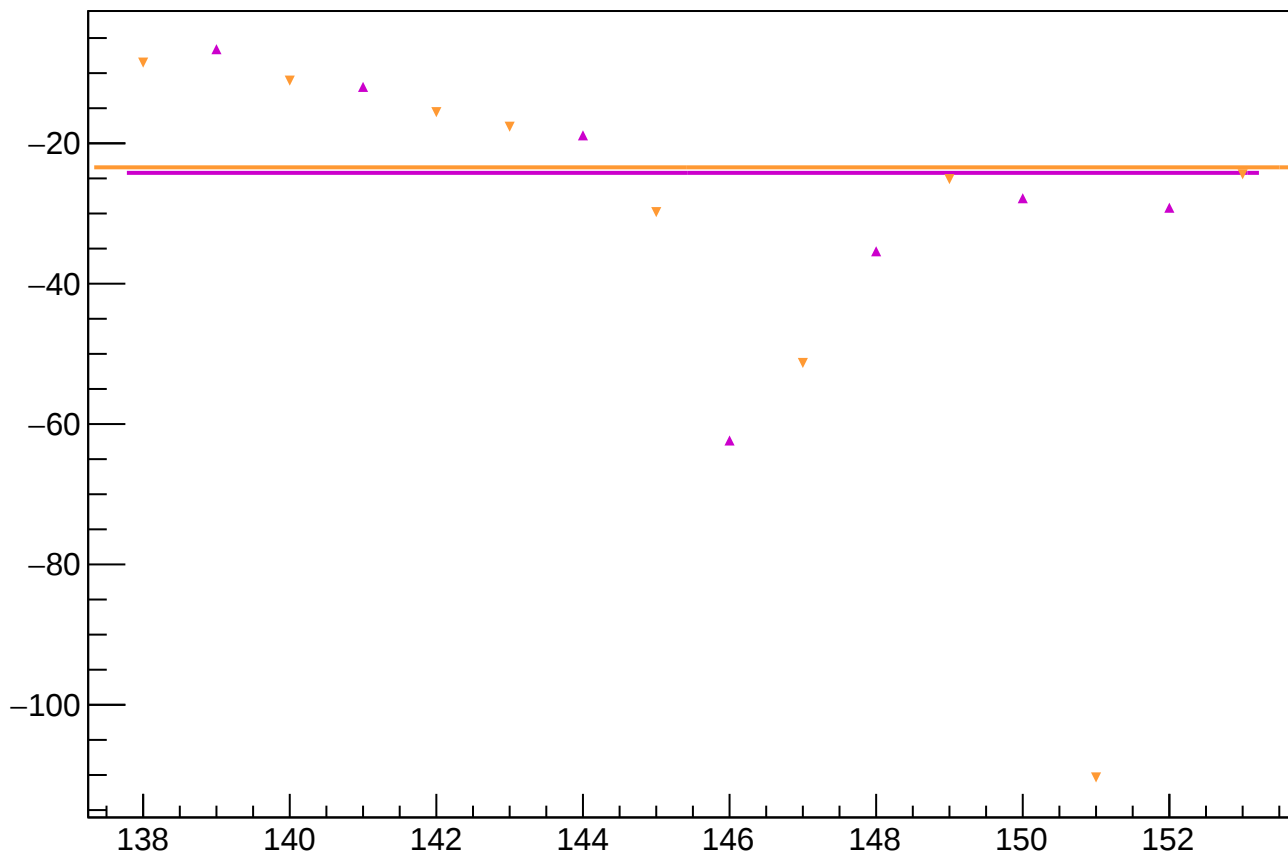
Right Out: 0.214 ± 0.004 χ^2/NDF : 1089.2/19

Left In: 0.149 ± 0.004 χ^2/NDF : 824.8/6

0.196 ± 0.003 χ^2/NDF : 3534.4/25

0.181 ± 0.003 χ^2/NDF : 2066.7/26

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



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

Left Out: -23.421+/-0.093 χ^2/NDF : 48792.2/8

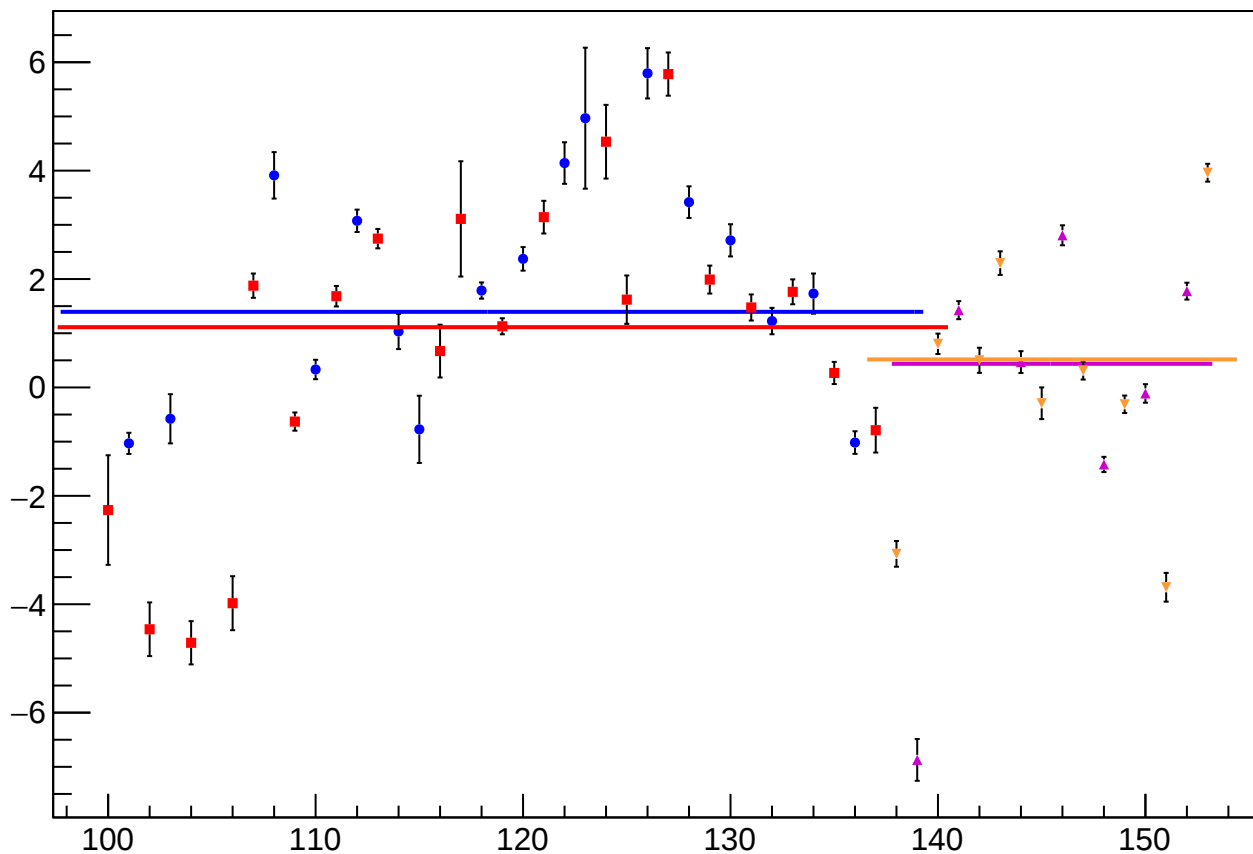
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -24.210+/-0.095 χ^2/NDF : 26720.8/6

-23.421+/-0.093 χ^2/NDF : 48792.2/8

-24.210+/-0.095 χ^2/NDF : 26720.8/6

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.395 ± 0.063 χ^2/NDF : 701.4/16

Left Out: 0.517 ± 0.067 χ^2/NDF : 1020.8/8

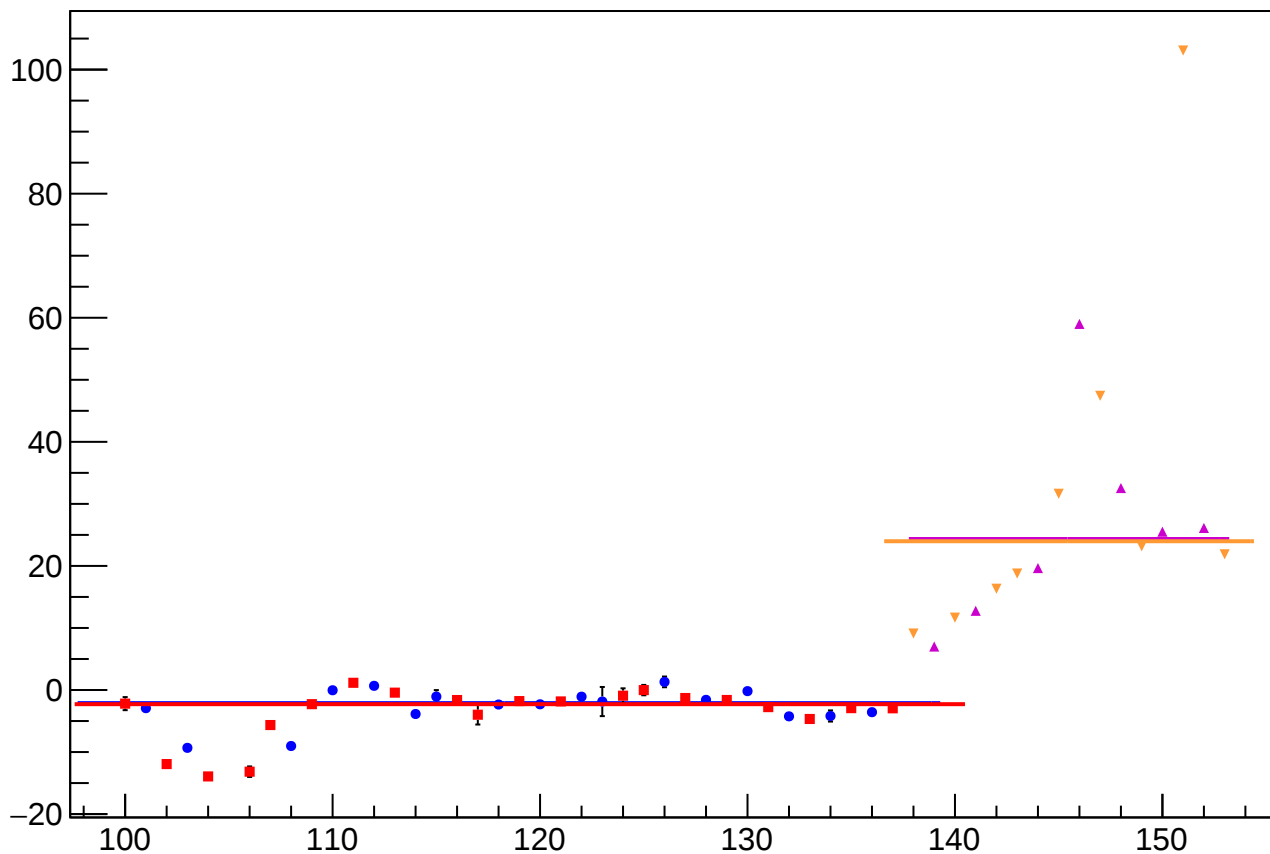
Right Out: 1.112 ± 0.059 χ^2/NDF : 940.5/19

Left In: 0.436 ± 0.067 χ^2/NDF : 818.6/6

0.982 ± 0.046 χ^2/NDF : 1813.4/25

0.816 ± 0.044 χ^2/NDF : 1816.4/26

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -2.119 ± 0.113 χ^2/NDF : 486.3/16

Left Out: 23.979 ± 0.094 χ^2/NDF : 43473.0/8

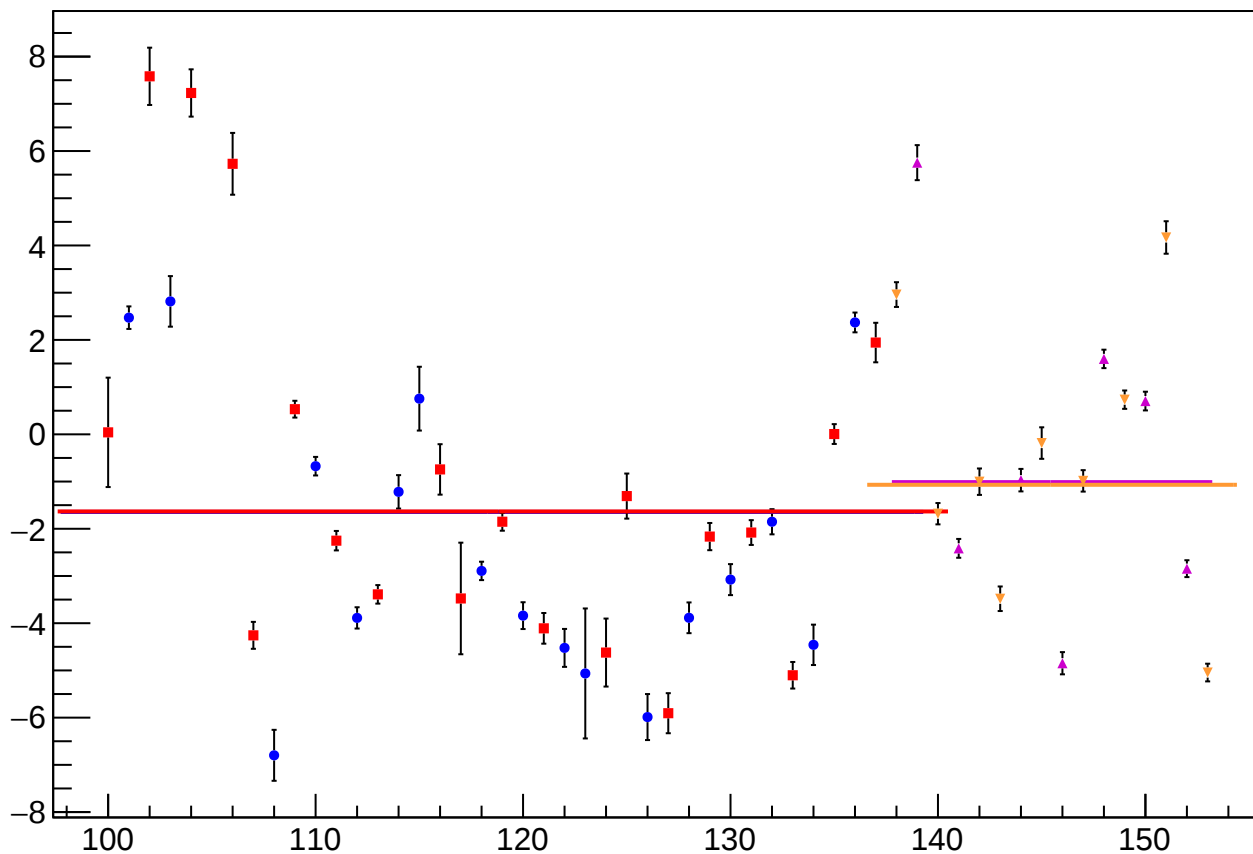
Right Out: -2.284 ± 0.101 χ^2/NDF : 920.6/19

Left In: 24.338 ± 0.095 χ^2/NDF : 22274.2/6

13.307 ± 0.072 χ^2/NDF : 75322.5/25

11.798 ± 0.069 χ^2/NDF : 60067.2/26

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.643 ± 0.072 χ^2/NDF : 1310.1/16

Left Out: -1.069 ± 0.081 χ^2/NDF : 1105.0/8

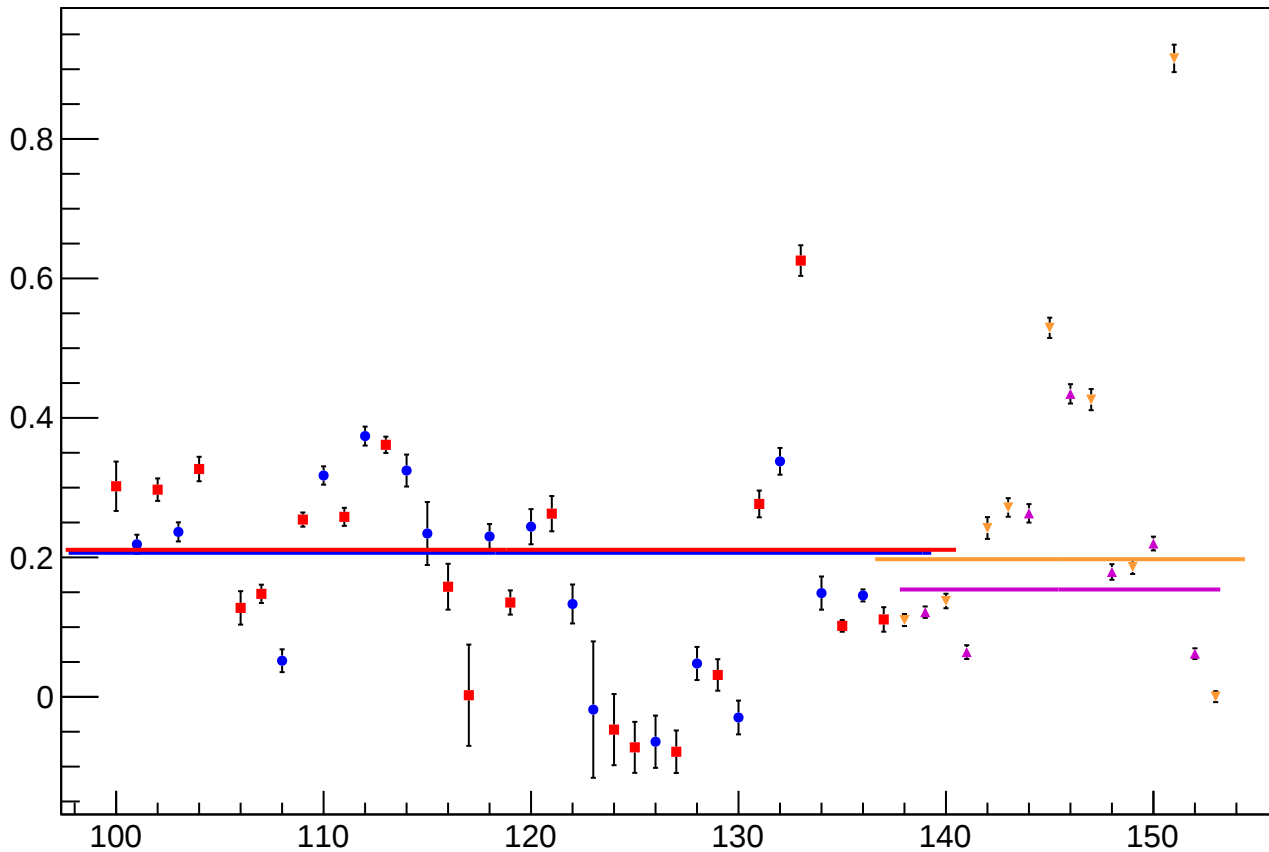
Right Out: -1.633 ± 0.067 χ^2/NDF : 1470.6/19

Left In: -1.012 ± 0.081 χ^2/NDF : 1006.7/6

-1.387 ± 0.054 χ^2/NDF : 2443.1/25

-1.383 ± 0.052 χ^2/NDF : 2512.1/26

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.207 $\pm$ 0.004 χ^2/NDF : 655.0/16

Left Out: 0.197 $\pm$ 0.004 χ^2/NDF : 2887.1/8

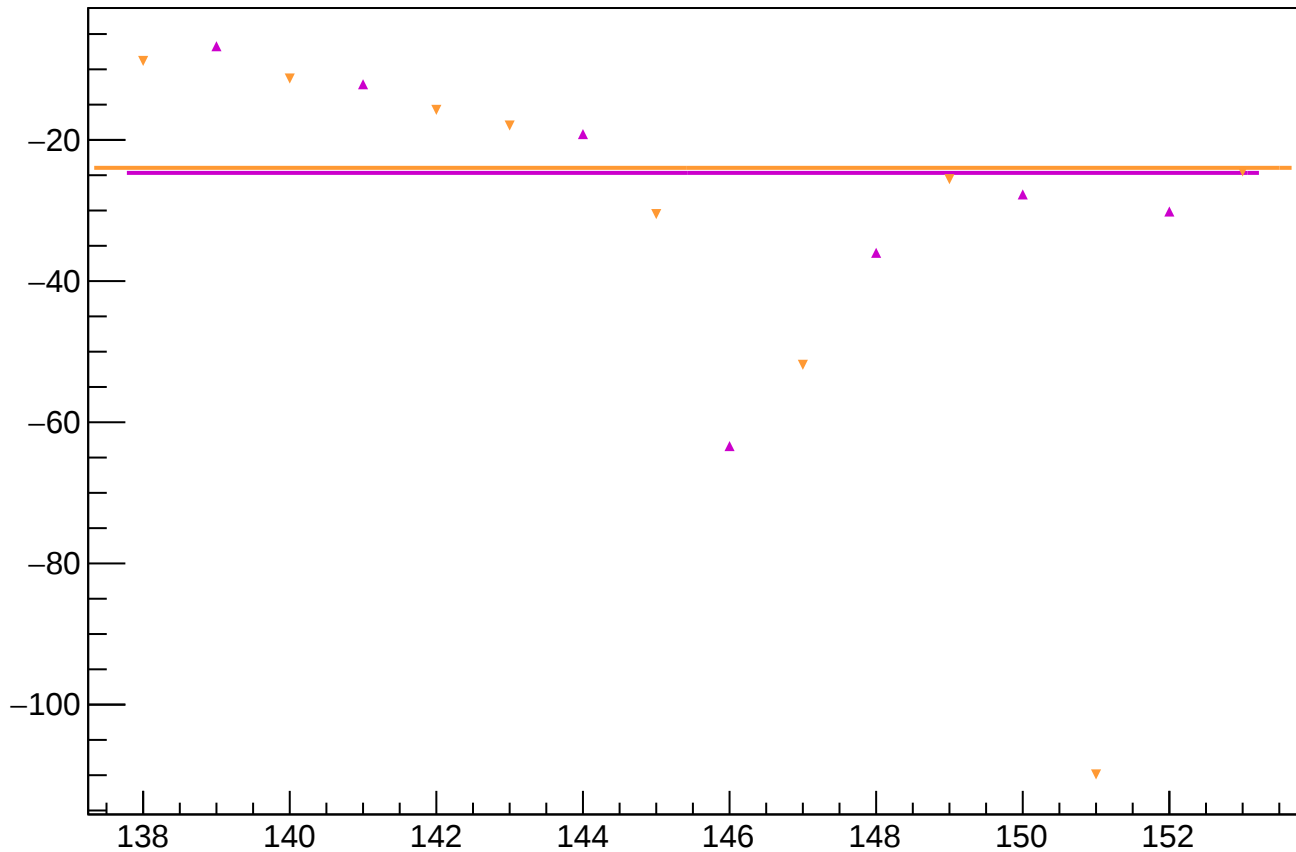
Right Out: 0.211 $\pm$ 0.004 χ^2/NDF : 1153.8/19

Left In: 0.154 $\pm$ 0.004 χ^2/NDF : 767.5/6

0.201 $\pm$ 0.003 χ^2/NDF : 3544.8/25

0.182 $\pm$ 0.003 χ^2/NDF : 2036.4/26

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



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

Left Out: -23.953+/-0.095 χ^2/NDF : 48090.3/8

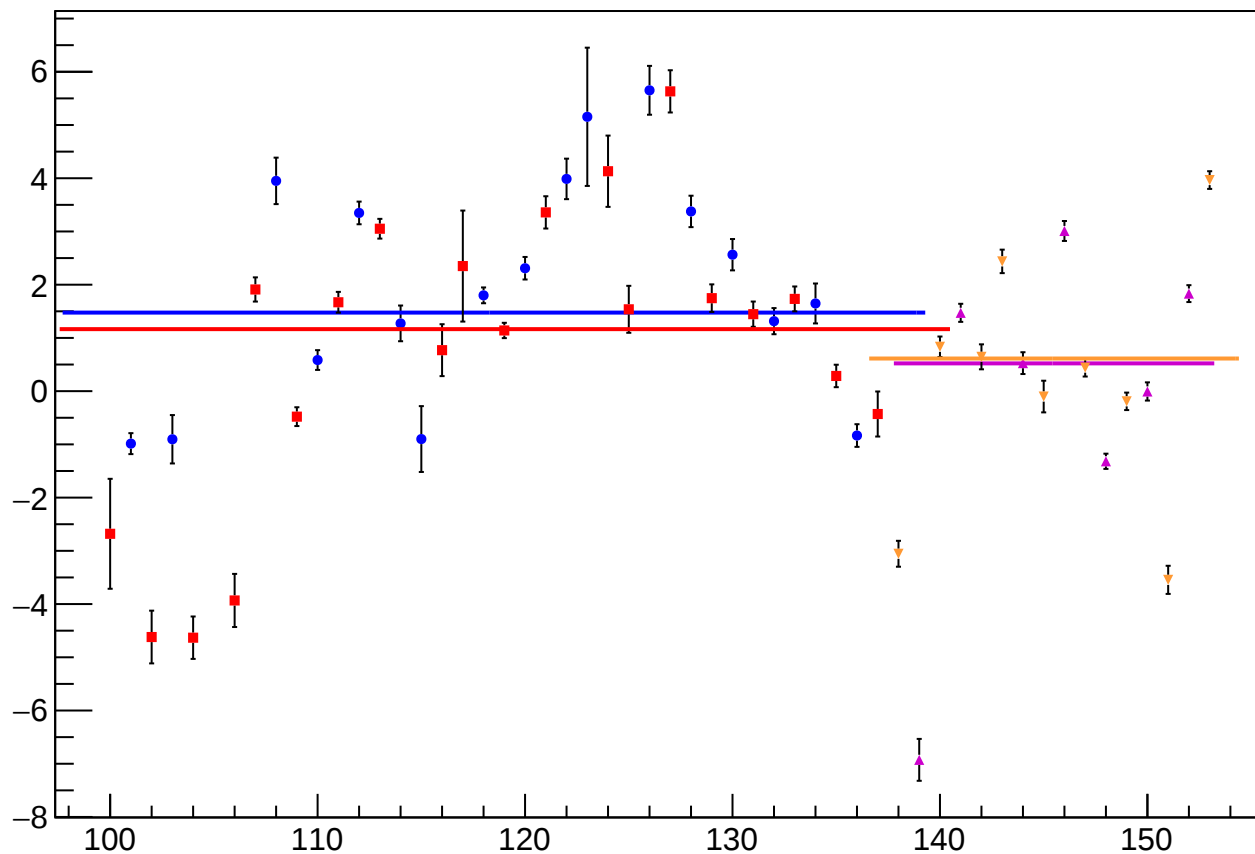
-23.953+/-0.095 χ^2/NDF : 48090.3/8

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

-24.670+/-0.097 χ^2/NDF : 26706.8/6

Left In: -24.670+/-0.097 χ^2/NDF : 26706.8/6

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.476 ± 0.064 χ^2/NDF : 659.7/16

Left Out: 0.613 ± 0.068 χ^2/NDF : 982.2/8

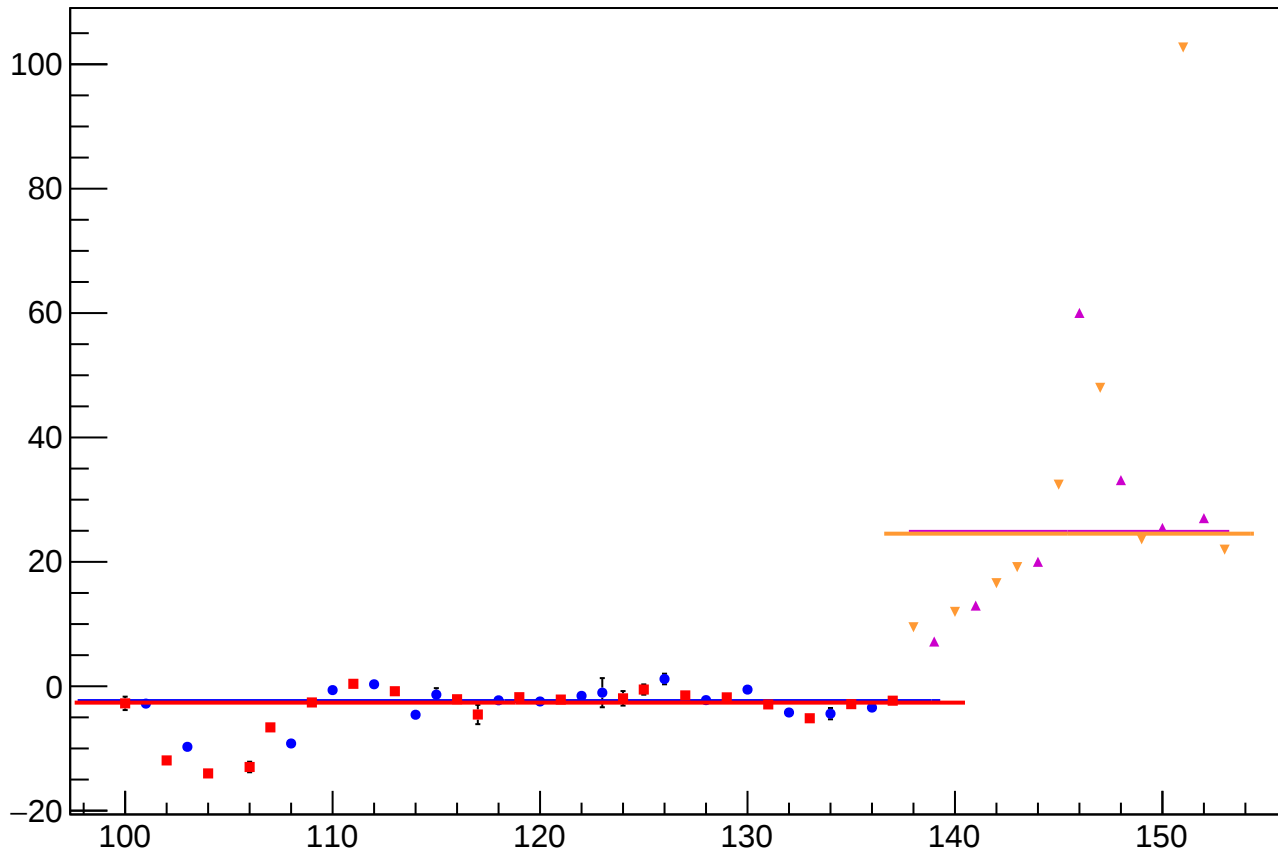
Right Out: 1.165 ± 0.060 χ^2/NDF : 919.2/19

Left In: 0.522 ± 0.068 χ^2/NDF : 809.0/6

1.072 ± 0.046 χ^2/NDF : 1727.9/25

0.884 ± 0.045 χ^2/NDF : 1778.6/26

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -2.380 ± 0.115 χ^2/NDF : 438.8/16

Left Out: 24.534 ± 0.096 χ^2/NDF : 42828.0/8

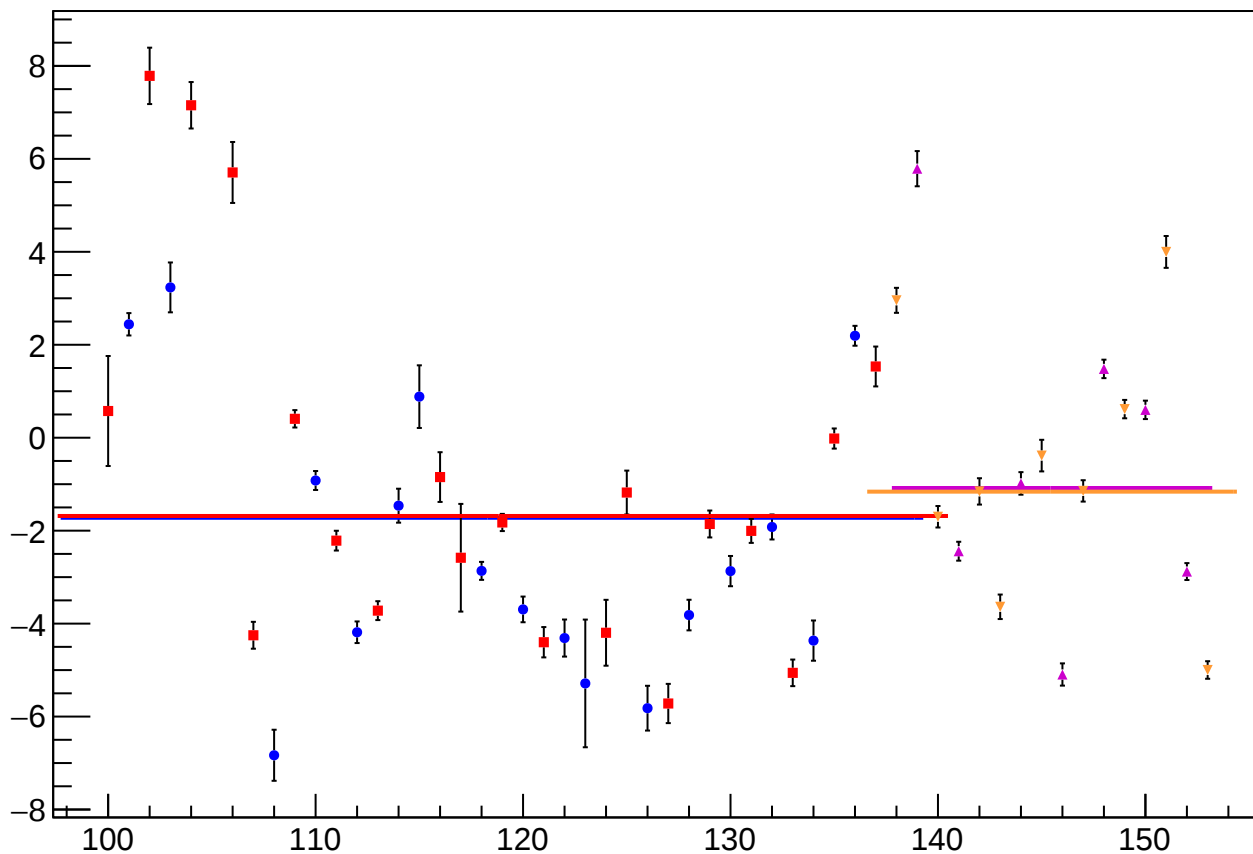
Right Out: -2.631 ± 0.103 χ^2/NDF : 842.8/19

Left In: 24.821 ± 0.097 χ^2/NDF : 22245.1/6

13.511 ± 0.074 χ^2/NDF : 75590.0/25

11.974 ± 0.070 χ^2/NDF : 60861.1/26

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: -1.160 ± 0.082 $\chi^2/\text{NDF}: 1052.8/8$

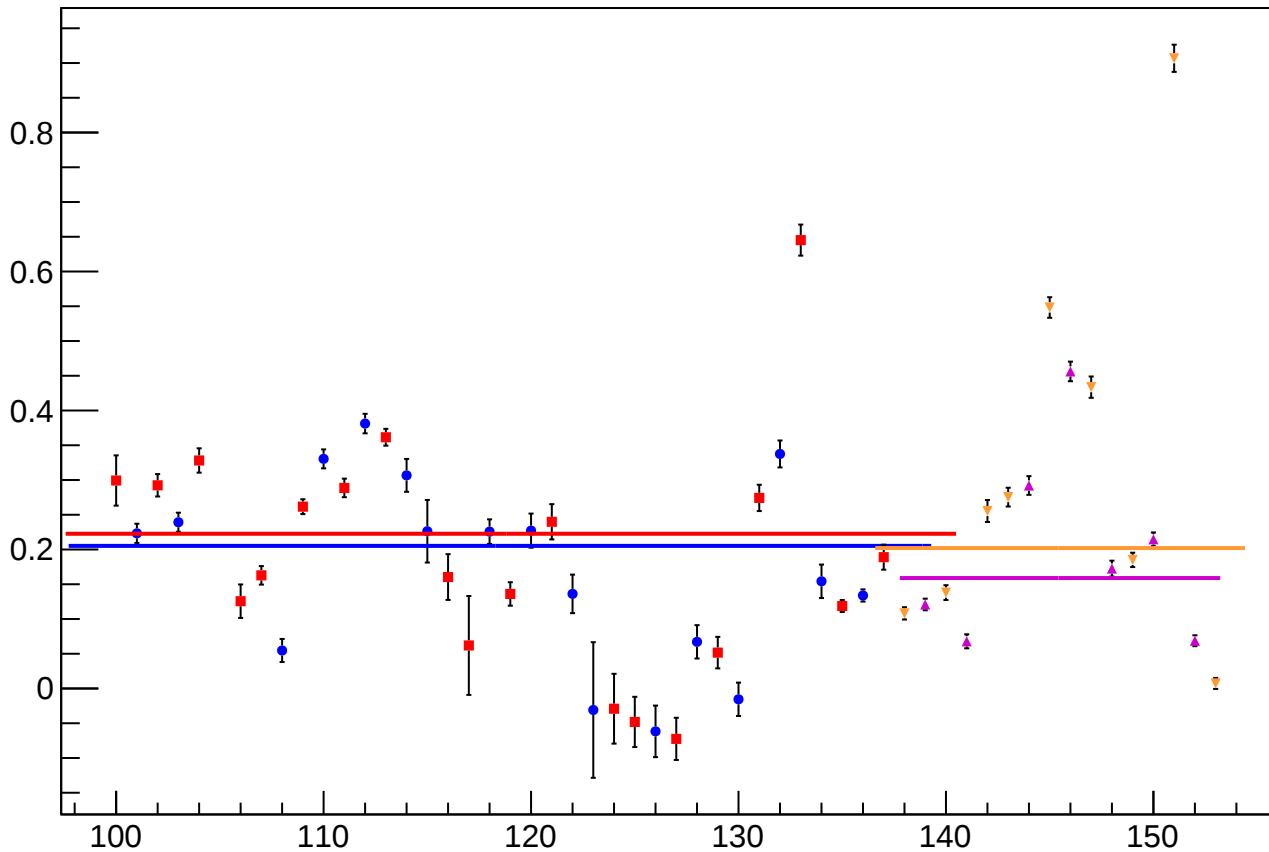
Right Out: -1.684 ± 0.068 $\chi^2/\text{NDF}: 1431.6/19$

Left In: -1.082 ± 0.083 $\chi^2/\text{NDF}: 991.8/6$

-1.473 ± 0.055 $\chi^2/\text{NDF}: 2326.6/25$

-1.441 ± 0.052 $\chi^2/\text{NDF}: 2455.2/26$

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: 0.202 $\pm$ 0.004 χ^2 /NDF:2867.1/8

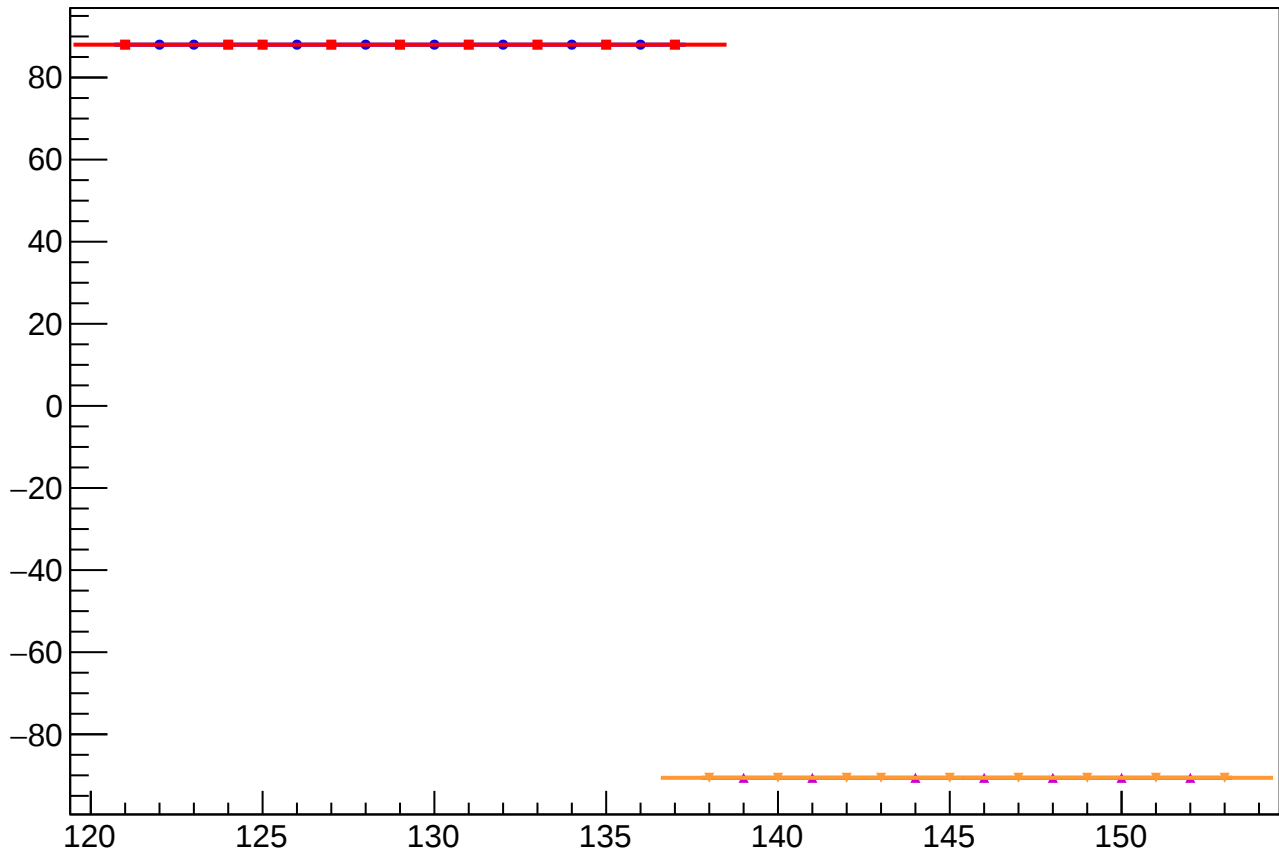
Right Out: 0.223 $\pm$ 0.004 χ^2 /NDF: 1045.6/19

Left In: 0.159 $\pm$ 0.004 χ^2 /NDF:810.3/6

0.203 $\pm$ 0.003 χ^2 /NDF: 3518.1/25

0.191 $\pm$ 0.003 χ^2 /NDF: 1994.9/26

VWienAngle_mean vs Slug



Right In: 88.001 ± 0.000 $\chi^2/\text{NDF}: 714089.5/7$

Left Out: -90.599 ± 0.000 $\chi^2/\text{NDF}: 3329119.2/8$

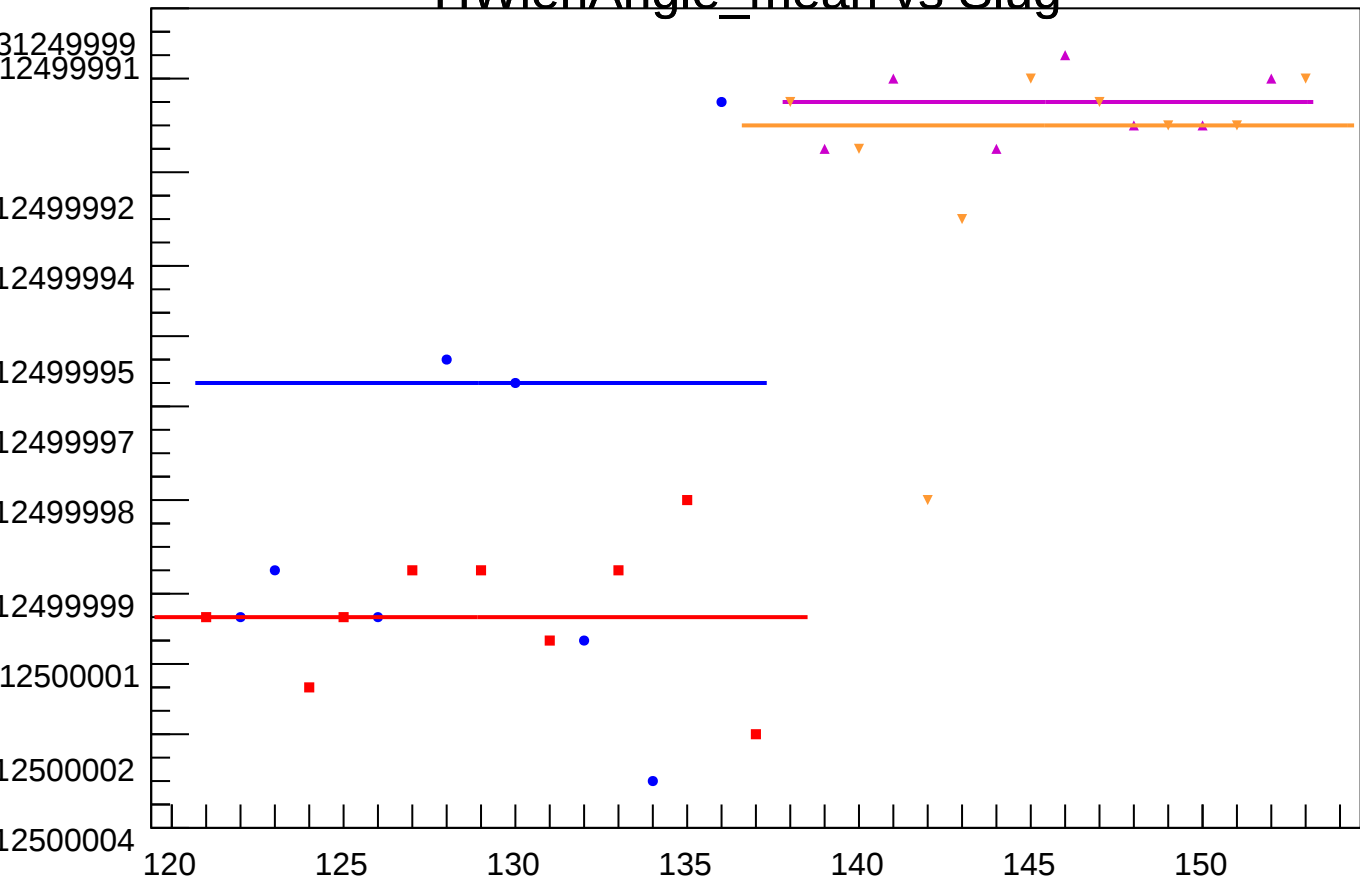
Right Out: 88.001 ± 0.000 $\chi^2/\text{NDF}: 109456.0/8$

Left In: -90.599 ± 0.000 $\chi^2/\text{NDF}: 498408.6/6$

-30.716 ± 0.000 $\chi^2/\text{NDF}: 72513444832941104$

-28.128 ± 0.000 $\chi^2/\text{NDF}: 66162734641666558$

HWienAngle_mean vs Slug



Right In: -29.641 ± 0.000 $\chi^2/\text{NDF}: 405045.4/7$

Left Out: -29.641 ± 0.000 $\chi^2/\text{NDF}: 173549.4/8$

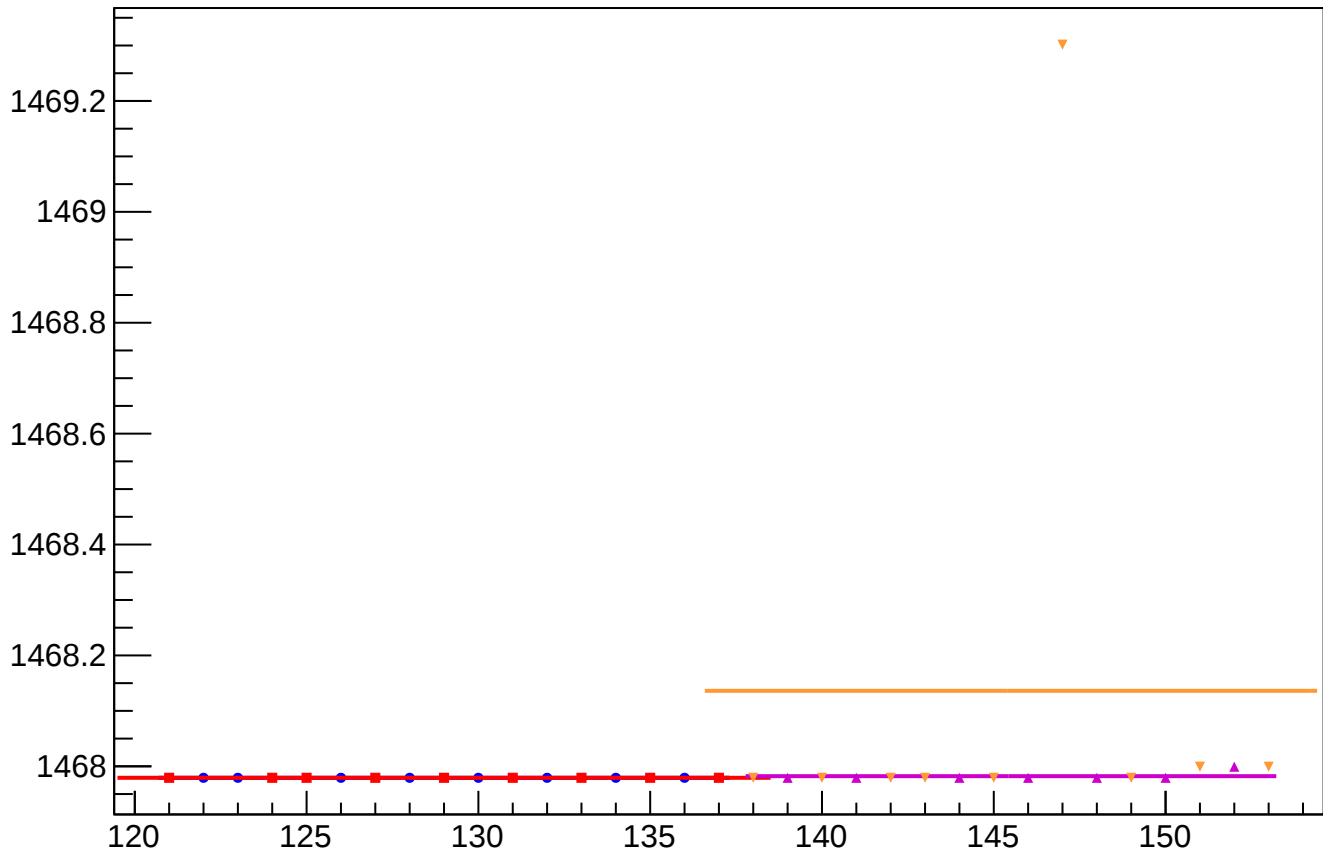
Right Out: -29.641 ± 0.000 $\chi^2/\text{NDF}: 29358.2/8$

Left In: -29.641 ± 0.000 $\chi^2/\text{NDF}: 16799.6/6$

-29.641 ± 0.000 $\chi^2/\text{NDF}: 961892.8/16$

-29.641 ± 0.000 $\chi^2/\text{NDF}: 1240707.8/15$

psub_pl_pos_mean vs Slug



Right In: 1467.979+/-0.000 χ^2/NDF : 436234375.5/7

Left Out: 1468.136+/-0.000 χ^2/NDF : 119739923012315356179308465881088.0/8

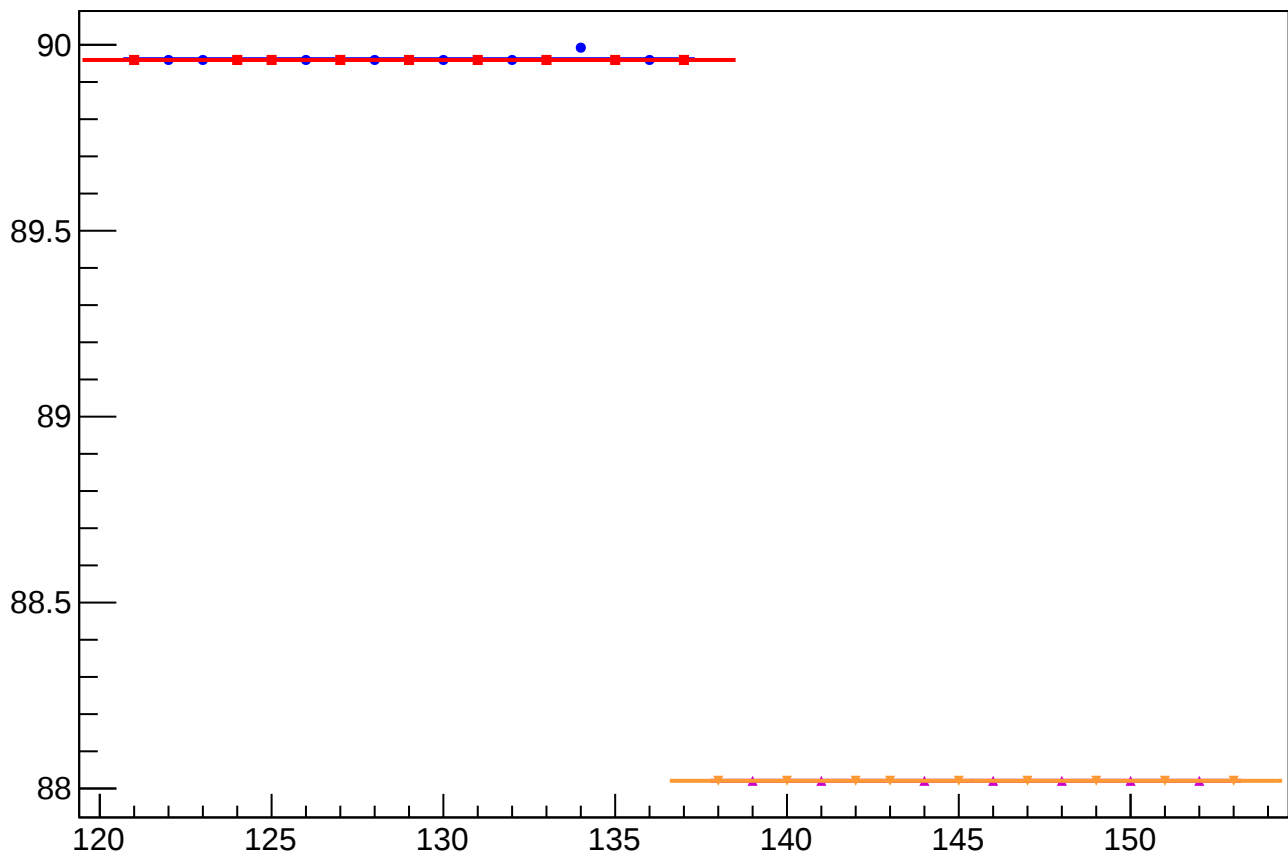
Right Out: 1467.979+/-0.000 χ^2/NDF : 83183350.3/8

Left In: 1467.982+/-0.000 χ^2/NDF : 29694435066747196615031783424.0/6

1468.084+/-0.000 χ^2/NDF : 1253356794185546

1467.981+/-0.000 χ^2/NDF : 3148026314566232

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: 2892506.8/8

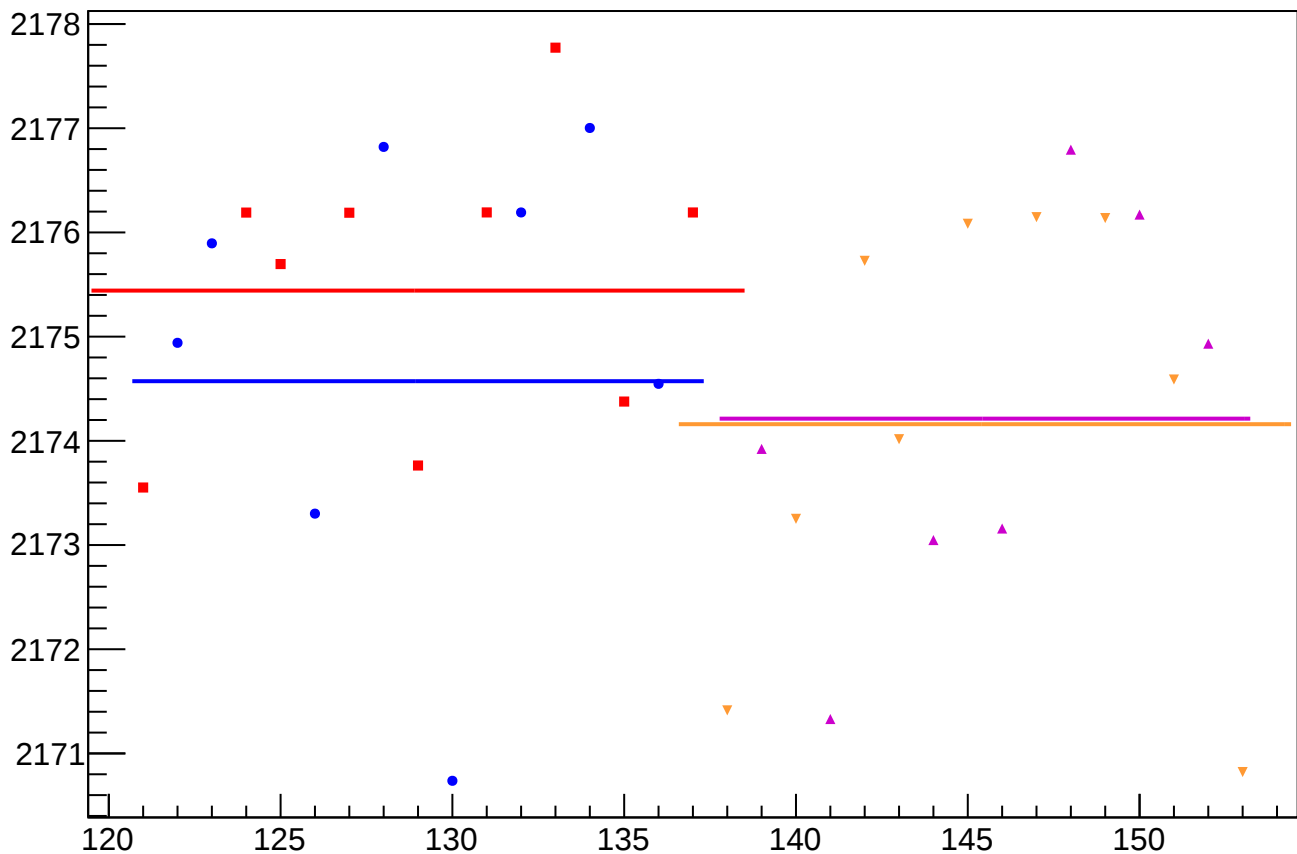
Right Out: 89.959 $\pm$ 0.000 χ^2 /NDF: 331397.3/8

Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 481243.0/6

88.671 $\pm$ 0.000 χ^2 /NDF: 85614817011347378

88.699 $\pm$ 0.000 χ^2 /NDF: 77951442197529265

HALLA_p_mean vs Slug



Right In: 2174.572+/-0.000 χ^2/NDF : 1360264074026849381407550448074752.0/7

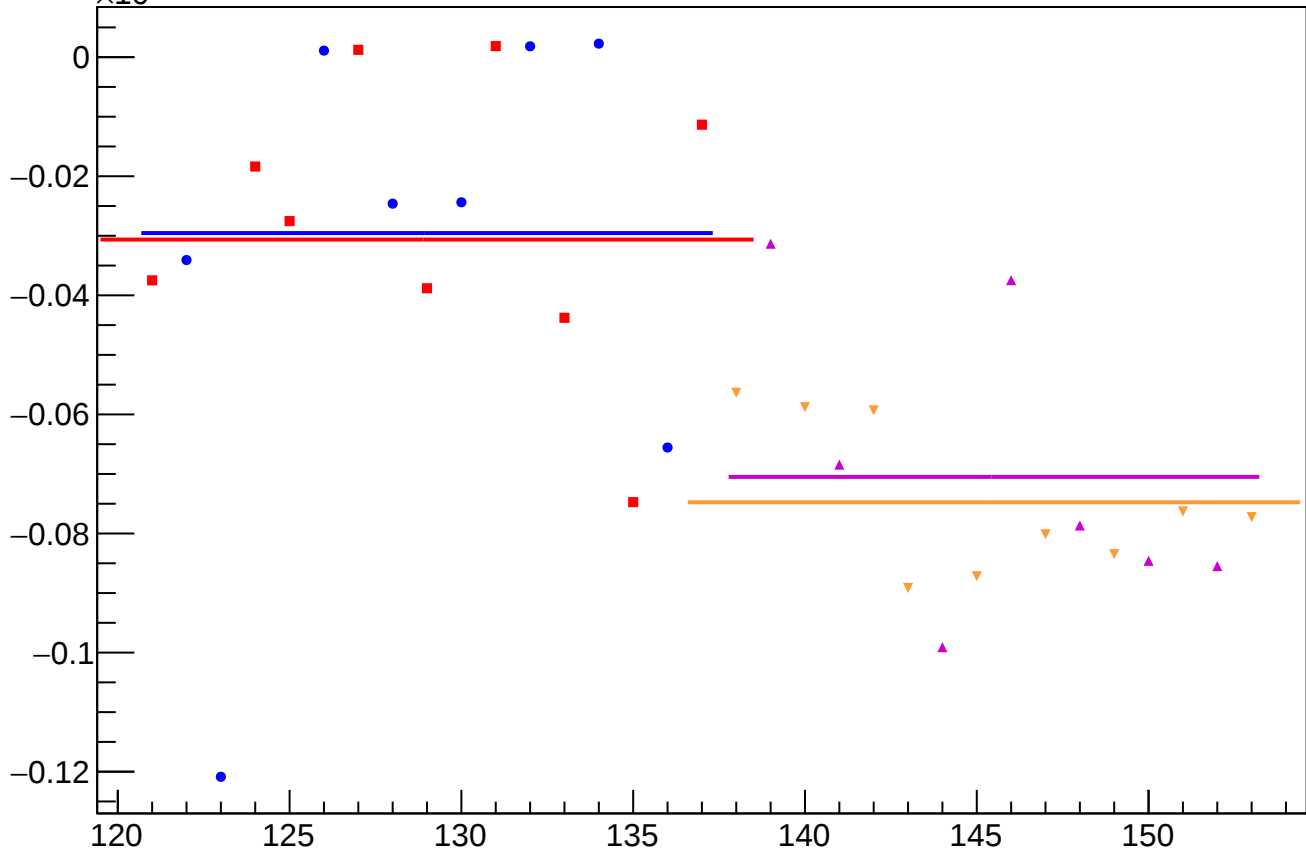
Left Out: 2174.160+/-0.000 χ^2/NDF : 2668309428885803496593666982543360.0/8

Right Out: 2175.442+/-0.000 χ^2/NDF : 610778445075790556034346524868608.0/8

Left In: 2174.213+/-0.000 χ^2/NDF : 1879455119520958177857780240613376.0/6

HALLA_dpp_mean vs Slug

$\times 10^{-3}$



Right In: -0.000+/-0.000

χ^2/NDF : 250161267307815387529216.0/7

Left Out: -0.000+/-0.000

χ^2/NDF : 93994299892633014632448.0/8

Right Out: -0.000+/-0.000

χ^2/NDF : 196732771178766734983168.0/8

Left In: -0.000+/-0.000

χ^2/NDF : 320438111037033235349504.0/6

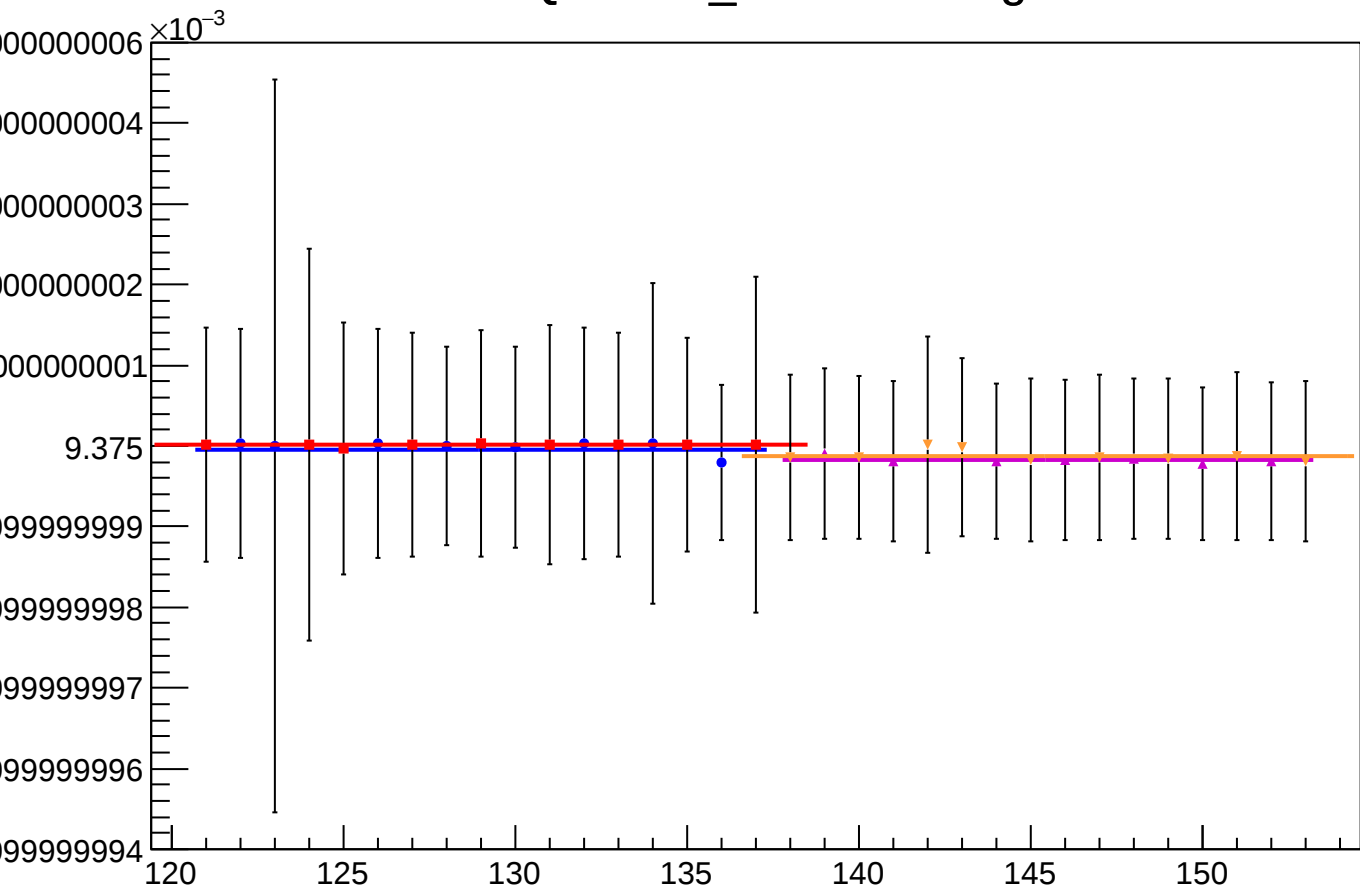
-0.000+/-0.000

χ^2/NDF : 808791152423120232

-0.000+/-0.000

χ^2/NDF : 846711073790928023

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:0.0/8

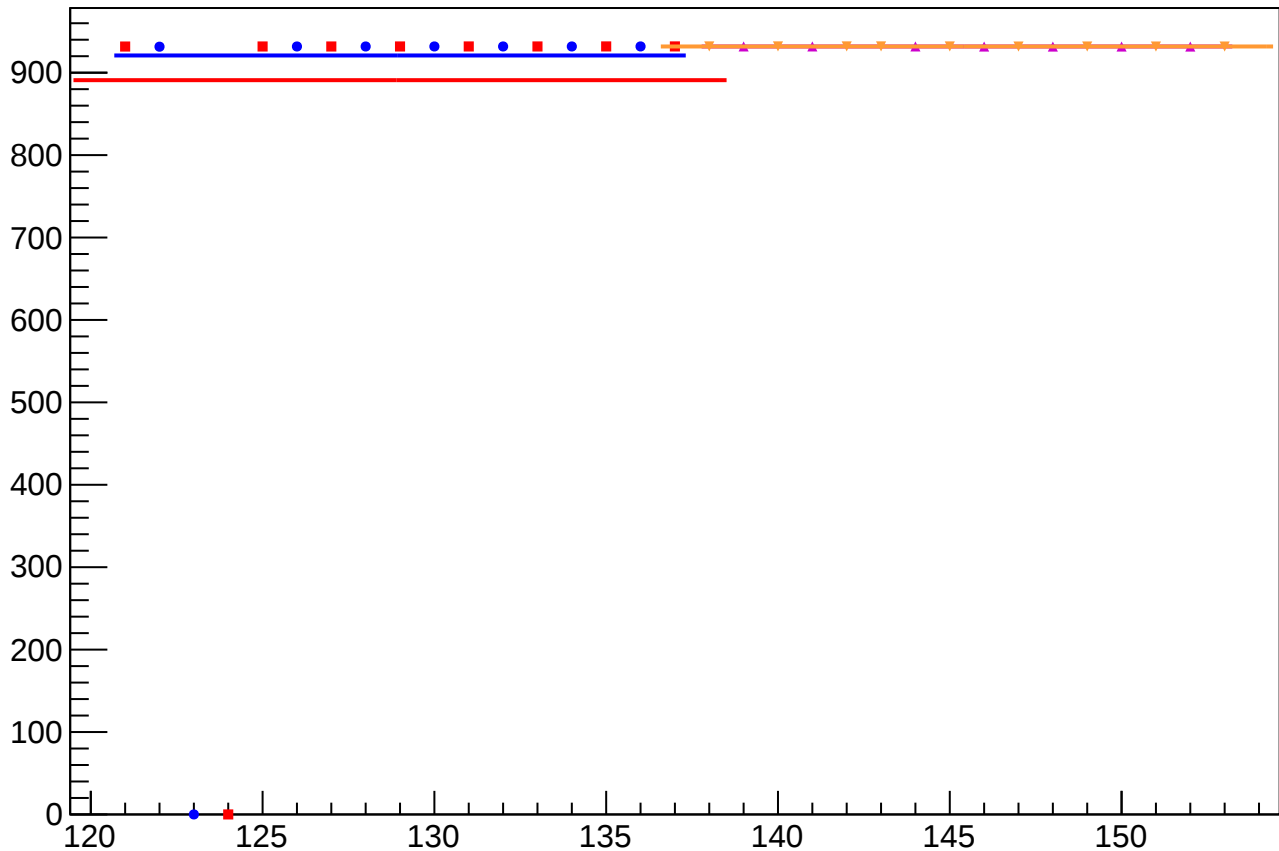
Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/6

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/16

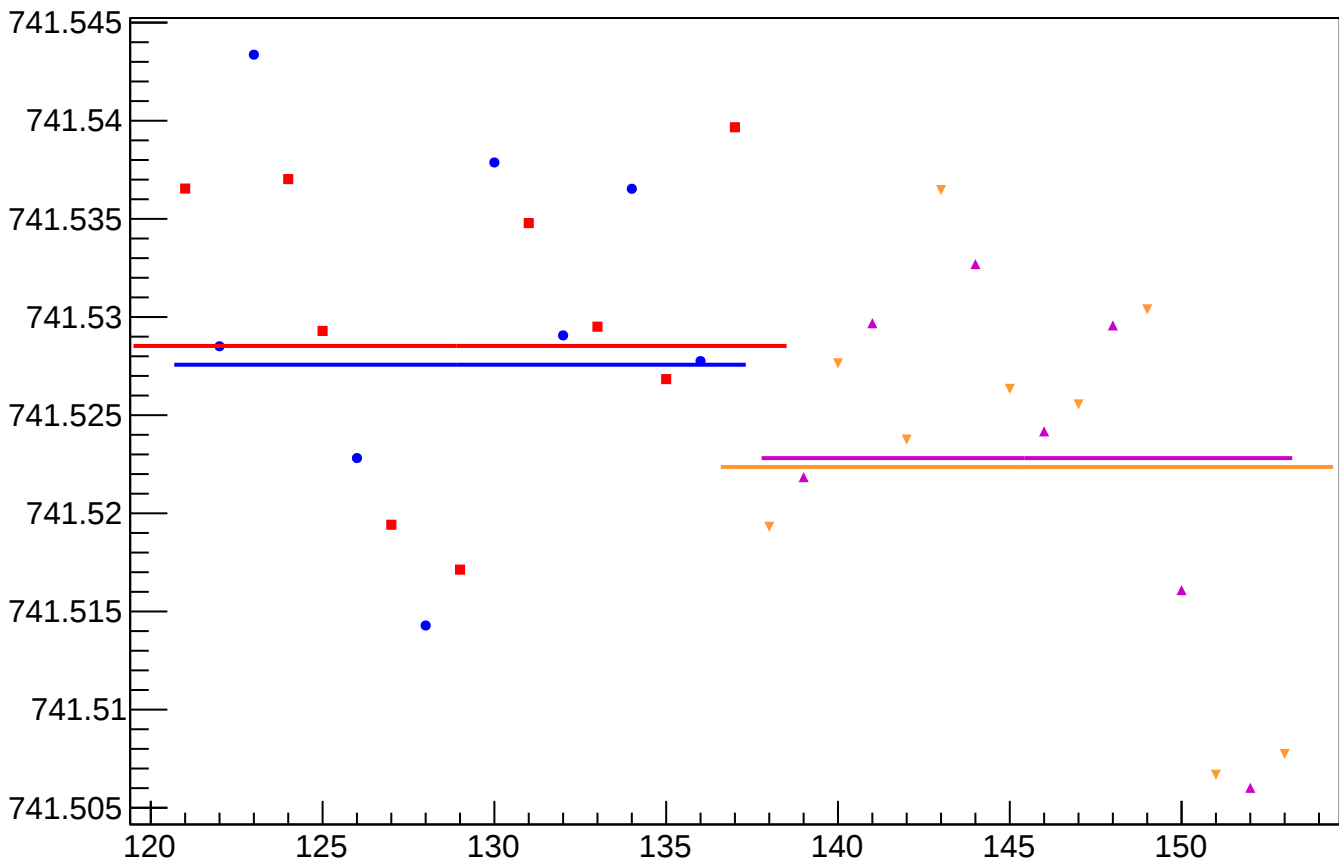
0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/15

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 920.898 +/- 0.000 χ^2/NDF : 3432128841951899861299566212080992256.0/7
Left Out: 931.800 +/- 0.000 χ^2/NDF : 3178951066330874389429502345216.0/8
Right Out: 890.923 +/- 0.000 χ^2/NDF : 11621671430114409722932854398744788992.0/8
Left In: 931.793 +/- 0.000 χ^2/NDF : 2587185575951571952721631117312.0/6

HacL_D1_HP3458A_IOUT_mean vs Slug



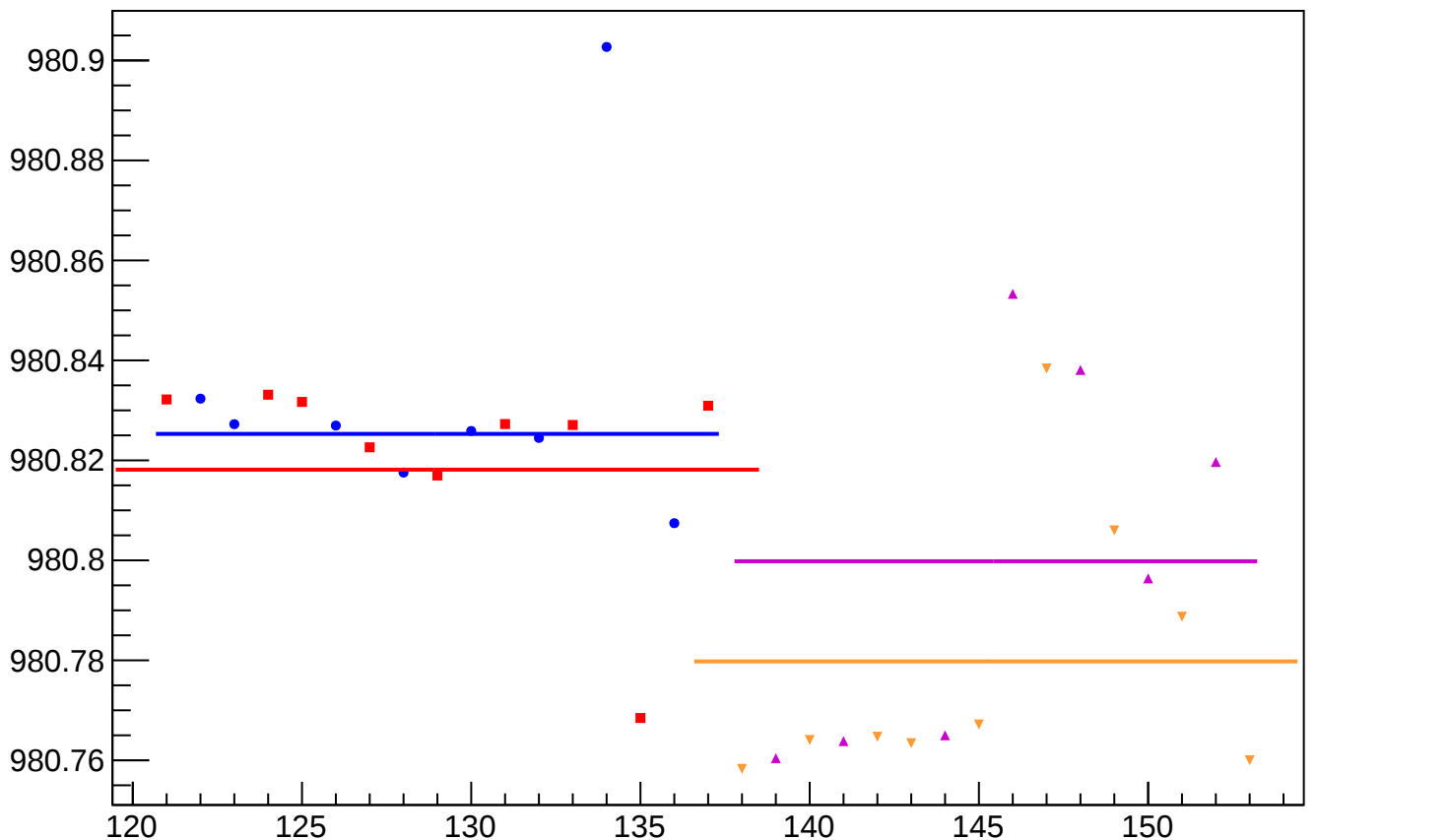
Right In: 741.528+/-0.000 χ^2/NDF : 18896144326732419810052800512.0/7

Left Out: 741.522+/-0.000 χ^2/NDF : 61027010673258645159600455680.0/8

Right Out: 741.529+/-0.000 χ^2/NDF : 16580353917842624420385914880.0/8

Left In: 741.523+/-0.000 χ^2/NDF : 45427774802589146772207042560.0/6

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.825+/-0.000 χ^2/NDF : 159345321268745350954763681792.0/7

Left Out: 980.780+/-0.000 χ^2/NDF : 462478185549756616964480958464.0/8

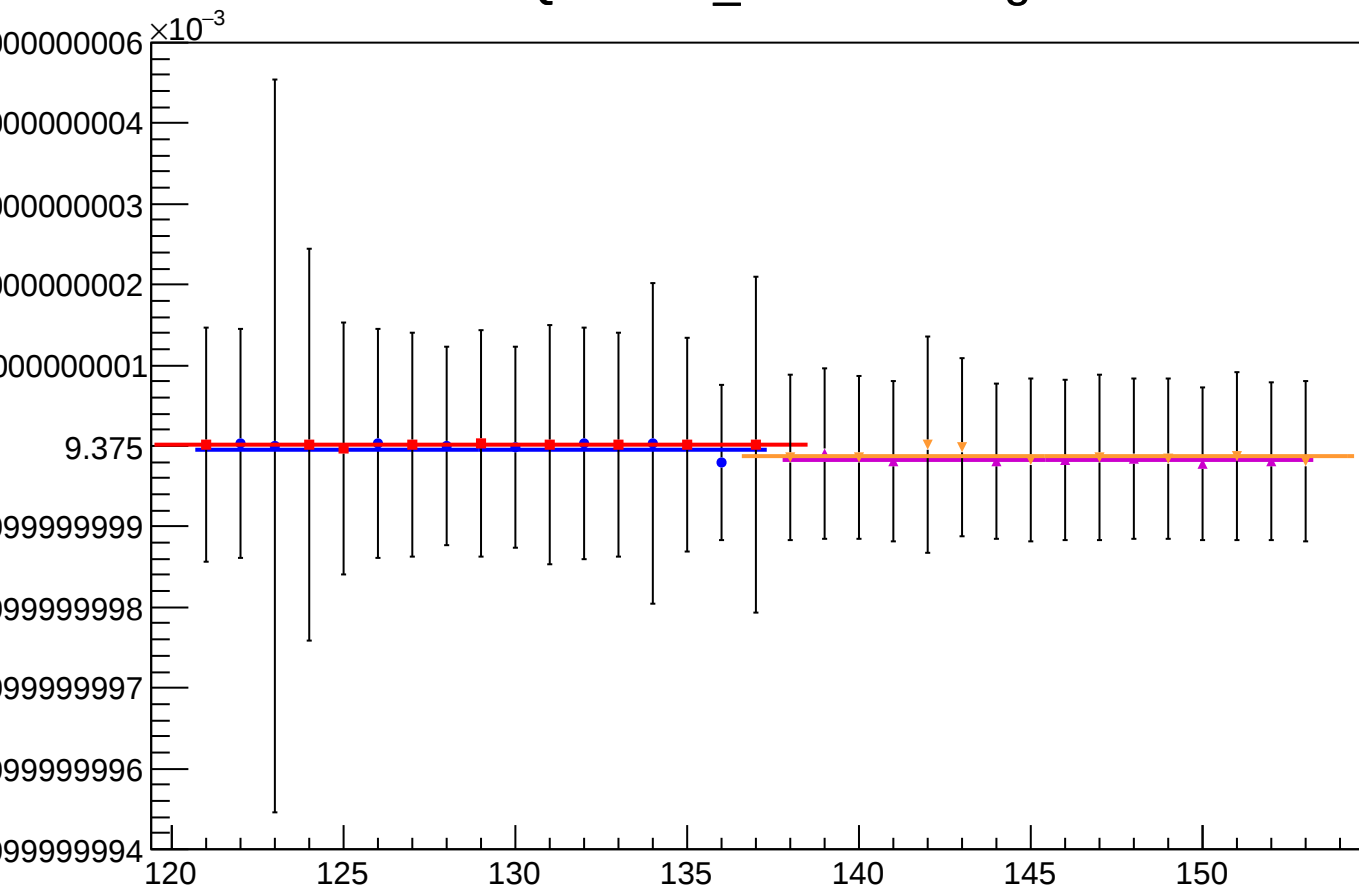
Right Out: 980.818+/-0.000 χ^2/NDF : 143689912167528137563261894656.0/8

Left In: 980.800+/-0.000 χ^2/NDF : 728651437626027527851923734528.0/6

980.795+/-0.000 χ^2/NDF : 10926682800398795

980.806+/-0.000 χ^2/NDF : 94200516668882723

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 : 0.0/8

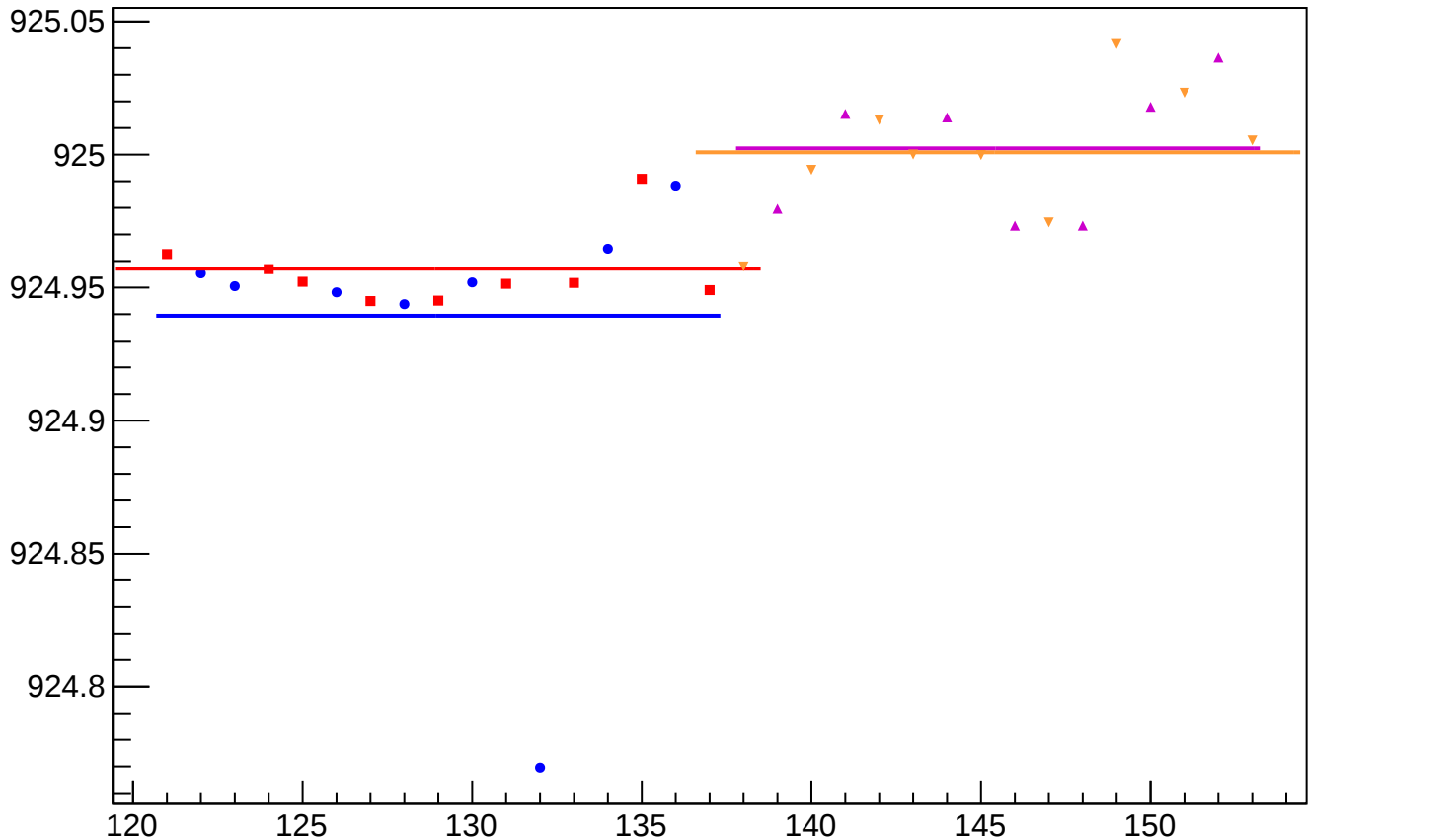
Right Out: 0.009+/-0.000 χ^2/NDF : 0.0/8

Left In: 0.009+/-0.000 χ^2/NDF : 0.0/6

0.009+/-0.000 χ^2/NDF : 0.1/16

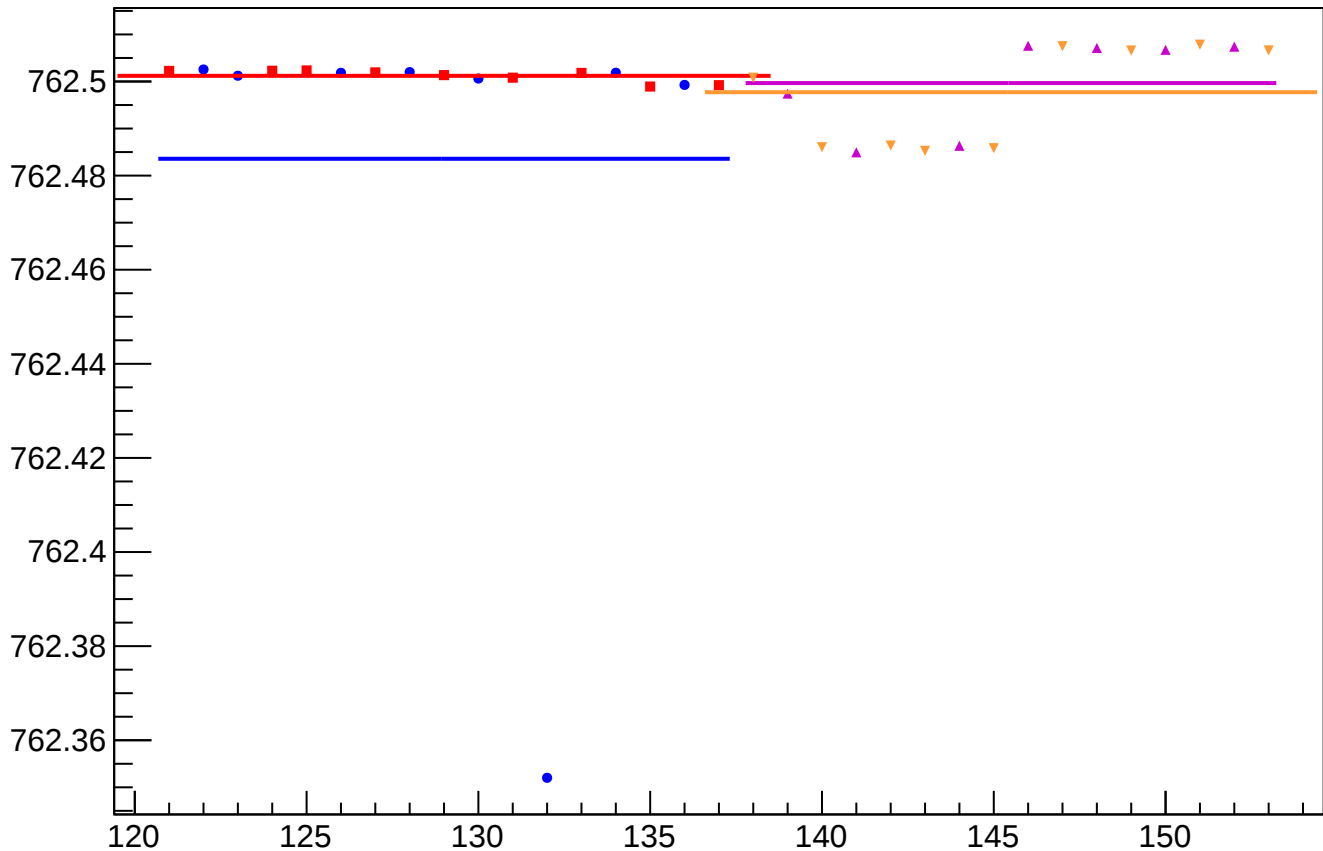
0.009+/-0.000 χ^2/NDF : 0.1/15

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.939 +/- 0.000 χ^2/NDF : 1401458495809517406218388242432.0/7
 Left Out: 925.001 +/- 0.000 χ^2/NDF : 387430841577965814124300468224.0/8
 Right Out: 924.957 +/- 0.000 χ^2/NDF : 71808709366506786060310151168.0/8
 Left In: 925.002 +/- 0.000 χ^2/NDF : 328905996330421197051743174656.0/6

HacR_D1_HP3458A_IOUT_mean vs Slug



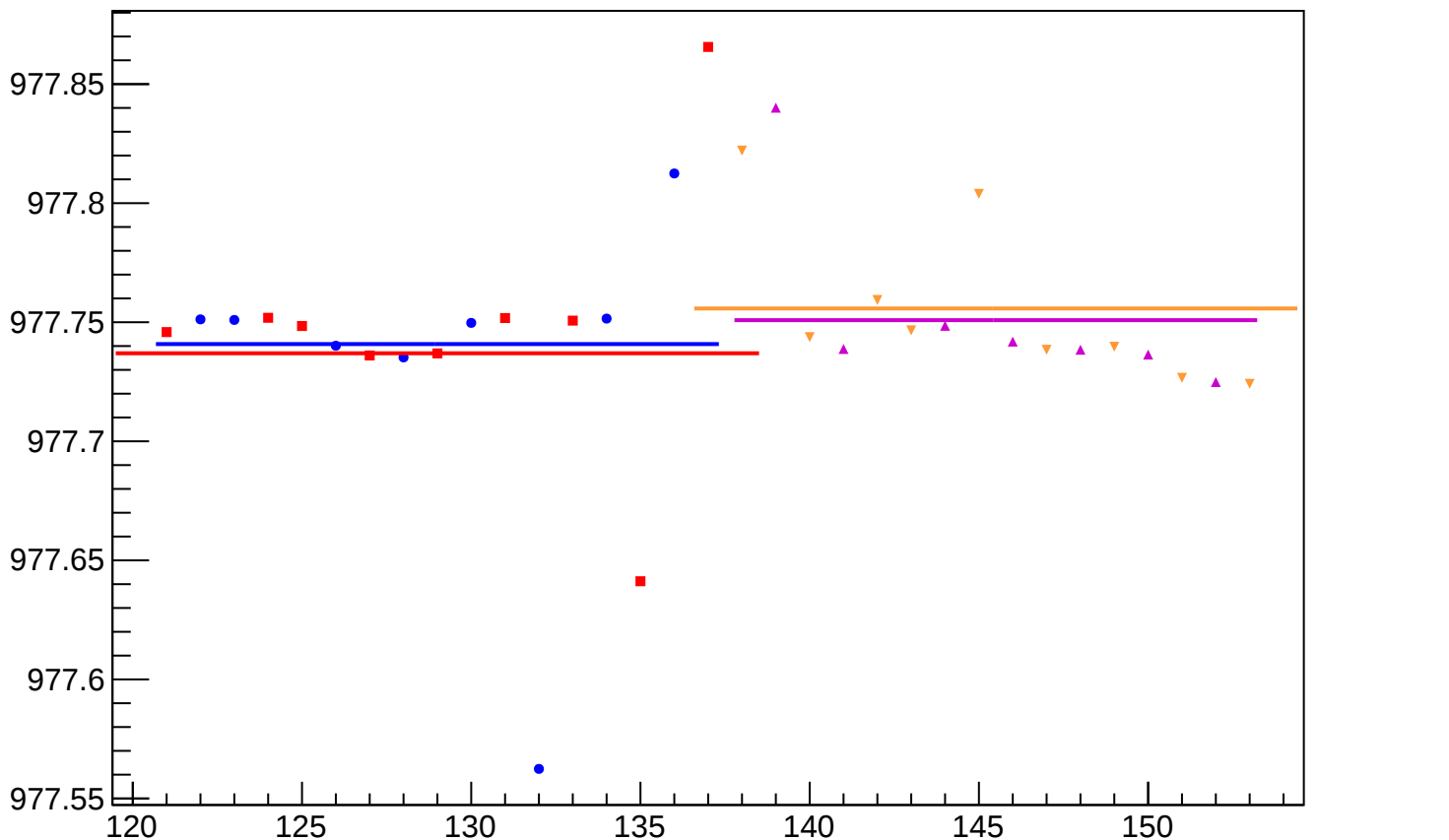
Right In: 762.484+/-0.000 χ^2/NDF : 784430761251084401798891438080.0/7

Left Out: 762.498+/-0.000 χ^2/NDF : 68347676223679679306722705408.0/8

Right Out: 762.501+/-0.000 χ^2/NDF : 469794702848036819563446272.0/8

Left In: 762.500+/-0.000 χ^2/NDF : 54224176392545964804378984448.0/6

HacR_Q3_HP3458A_IOUT_mean vs Slug



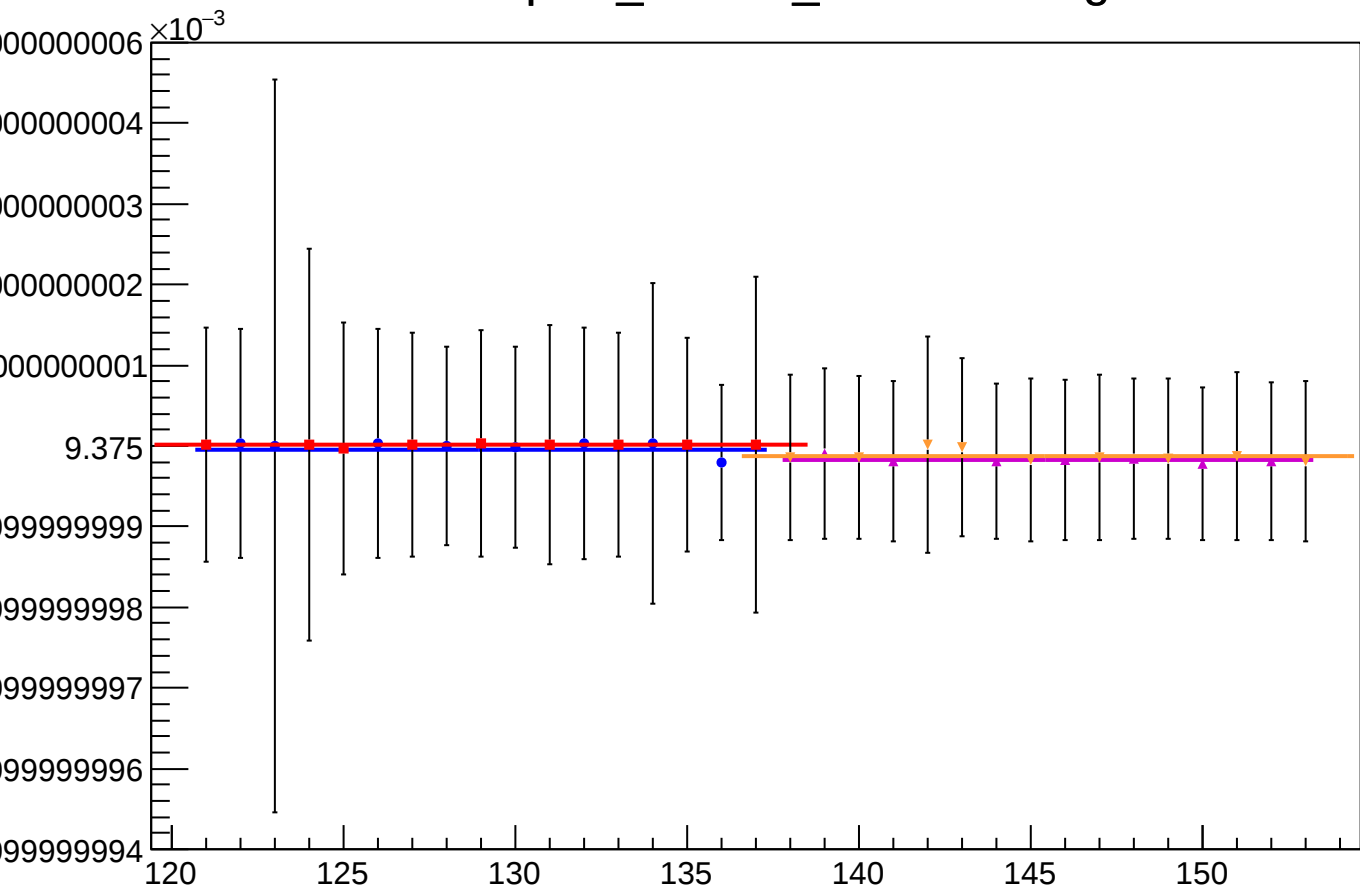
Right In: 977.741+/-0.000 χ^2/NDF : 1738104571804792841781326643200.0/7

Left Out: 977.756+/-0.000 χ^2/NDF : 744455310933282541812022509568.0/8

Right Out: 977.737+/-0.000 χ^2/NDF : 772313054358211830610902646784.0/8

Left In: 977.751+/-0.000 χ^2/NDF : 699475884414596470744431984640.0/6

hesDipole_current_mean vs Slug



Right In: 0.009 ± 0.000 $\chi^2/NDF: 0.0/7$

Left Out: 0.009 ± 0.000 $\chi^2/NDF: 0.0/8$

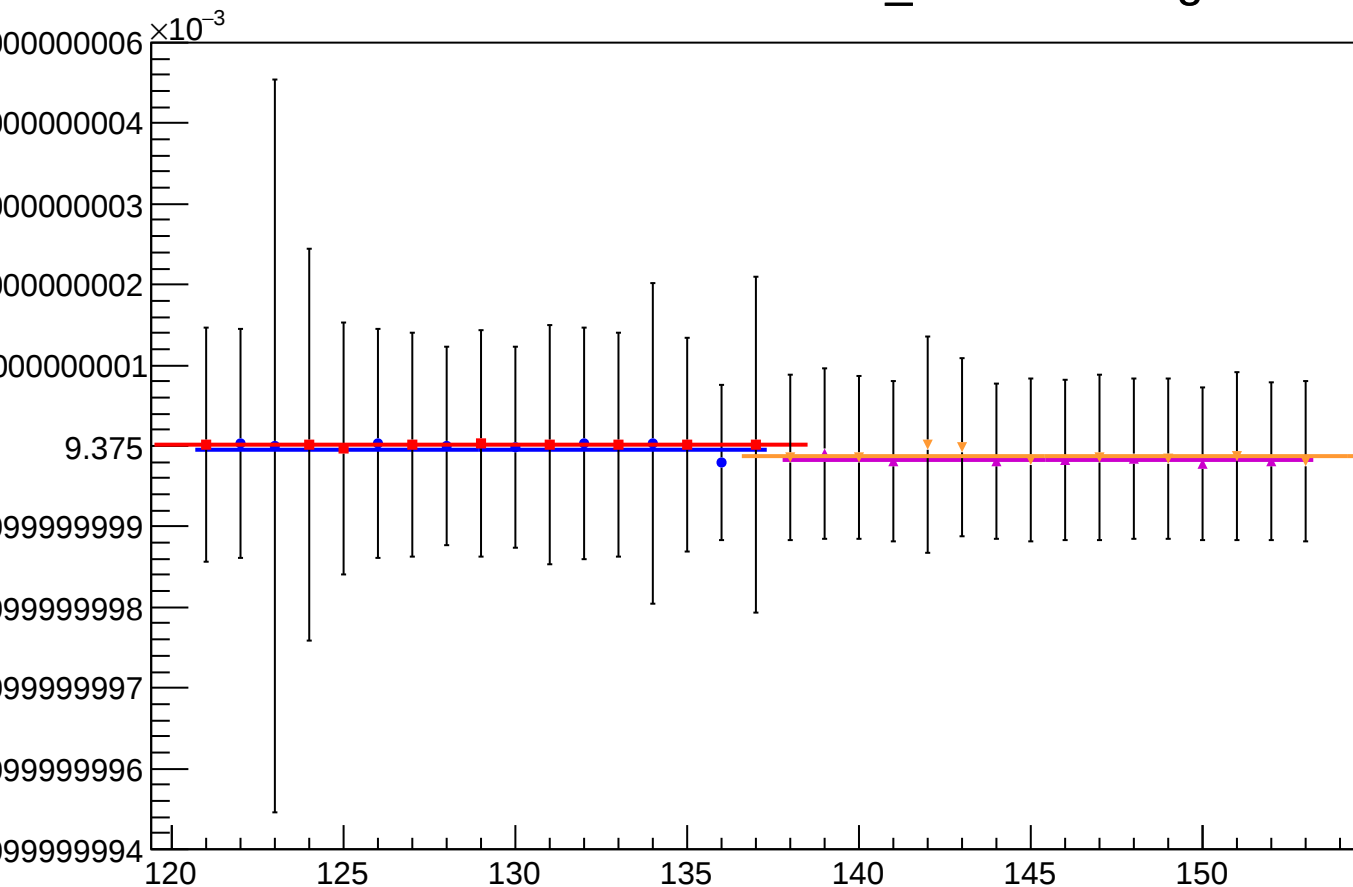
Right Out: 0.009 ± 0.000 $\chi^2/NDF: 0.0/8$

Left In: 0.009 ± 0.000 $\chi^2/NDF: 0.0/6$

0.009 ± 0.000 $\chi^2/NDF: 0.1/16$

0.009 ± 0.000 $\chi^2/NDF: 0.1/15$

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009 +/- 0.000 χ^2/NDF : 0.0/7

Left Out: 0.009 +/- 0.000 χ^2/NDF : 0.0/8

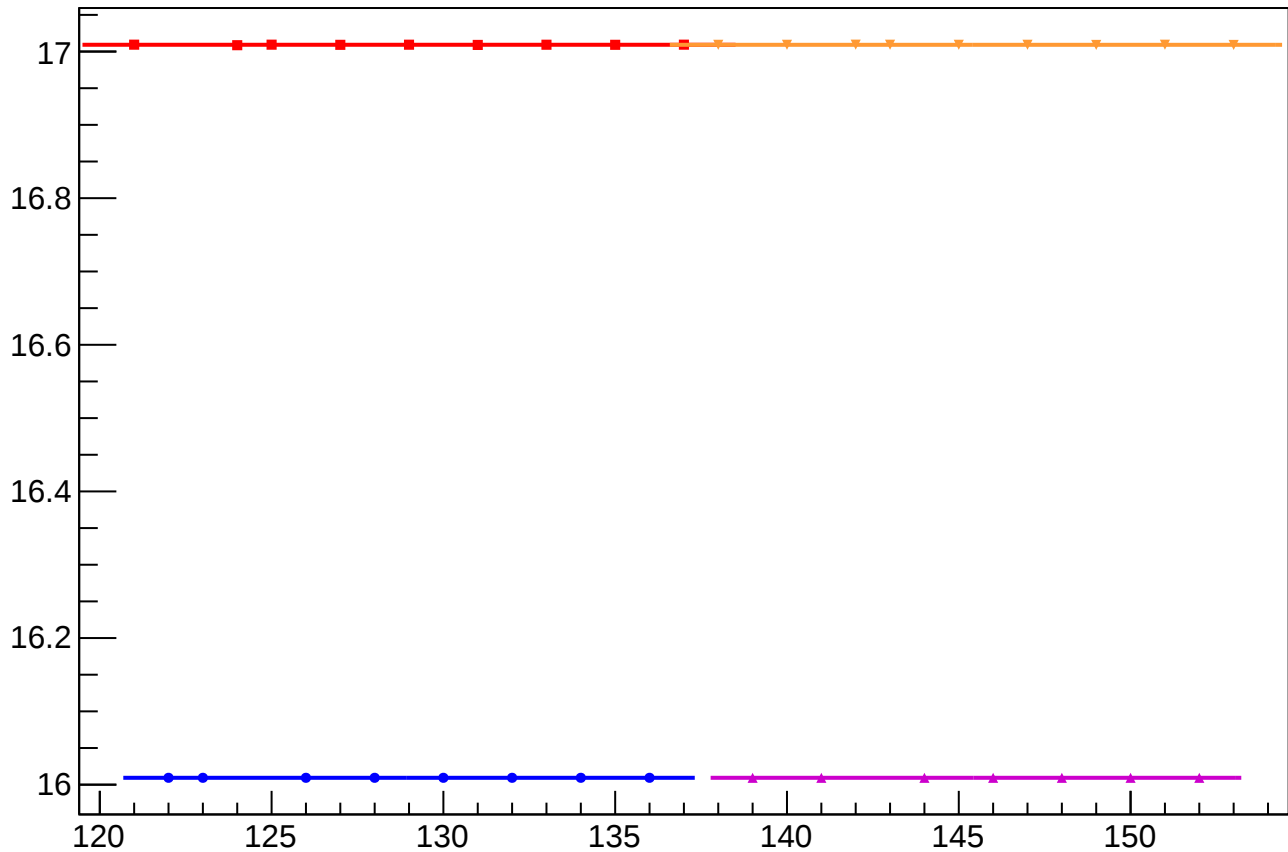
Right Out: 0.009 +/- 0.000 χ^2/NDF : 0.0/8

Left In: 0.009 +/- 0.000 χ^2/NDF : 0.0/6

0.009 +/- 0.000 χ^2/NDF : 0.1/16

0.009 +/- 0.000 χ^2/NDF : 0.1/15

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009 $\pm$ 0.000 χ^2/NDF : 30506.8/7

Left Out: 17.009 $\pm$ 0.000 χ^2/NDF : 7659814170693219924312064.0/8

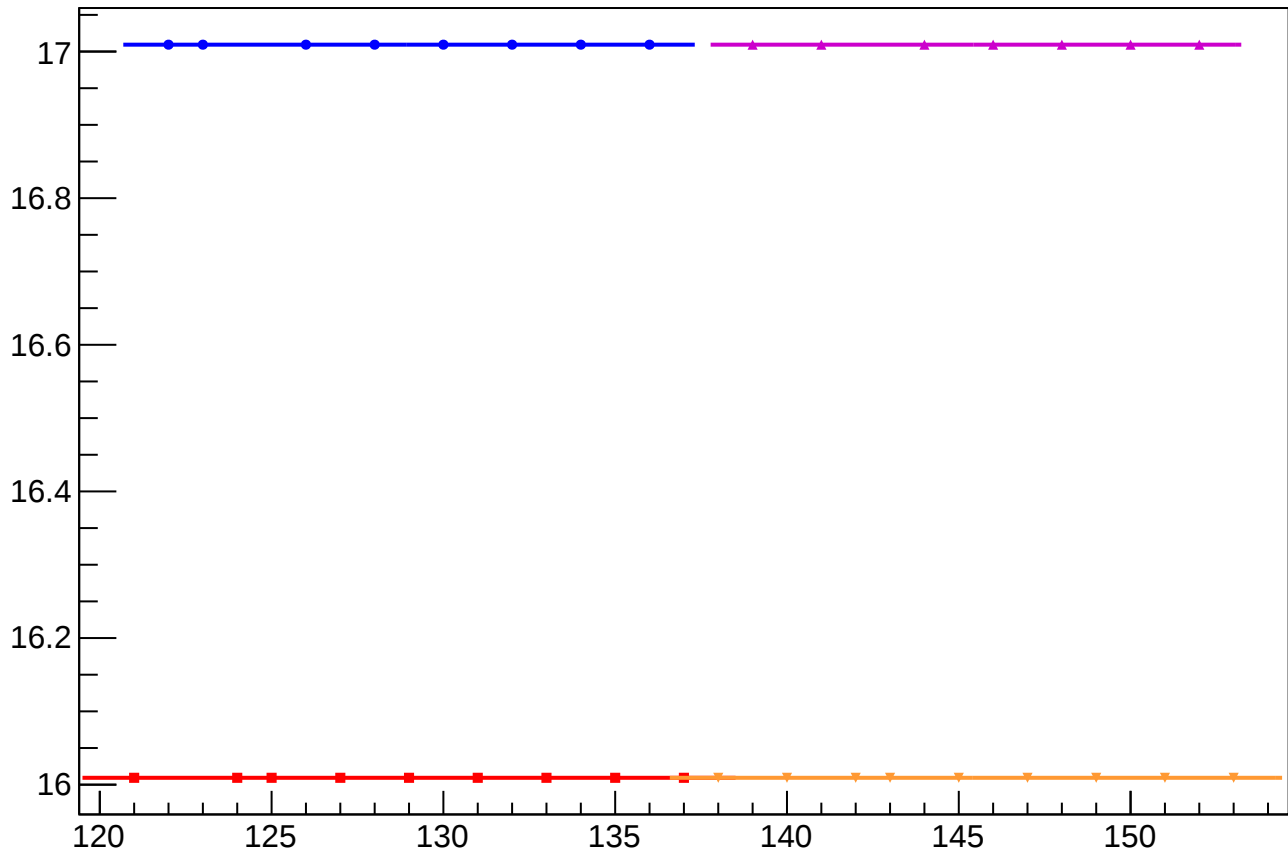
Right Out: 17.009 $\pm$ 0.000 χ^2/NDF : 8333578329558812540796928.0/8

Left In: 16.009 $\pm$ 0.000 χ^2/NDF : 16749.1/6

16.669 $\pm$ 0.000 χ^2/NDF : 208551520040056612

16.360 $\pm$ 0.000 χ^2/NDF : 196019270011701893

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 : 26922.2/8

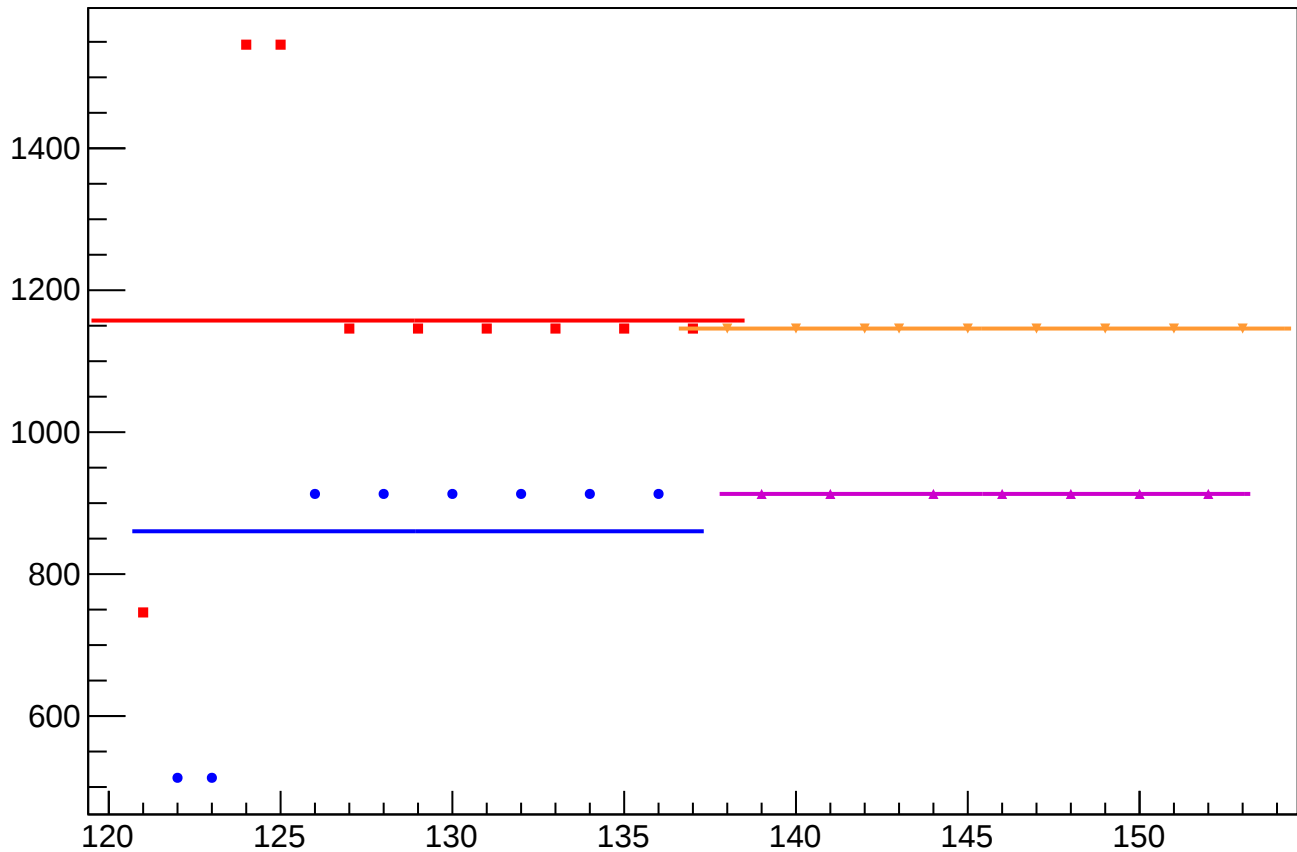
Right Out: 16.009+/-0.000 χ^2/NDF : 17859.8/8

Left In: 17.009+/-0.000 χ^2/NDF : 6942.0/6

16.347+/-0.000 χ^2/NDF : 226422924901181393

16.660+/-0.000 χ^2/NDF : 207419956140331294

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 : 2127611598620888134355779584.0/8

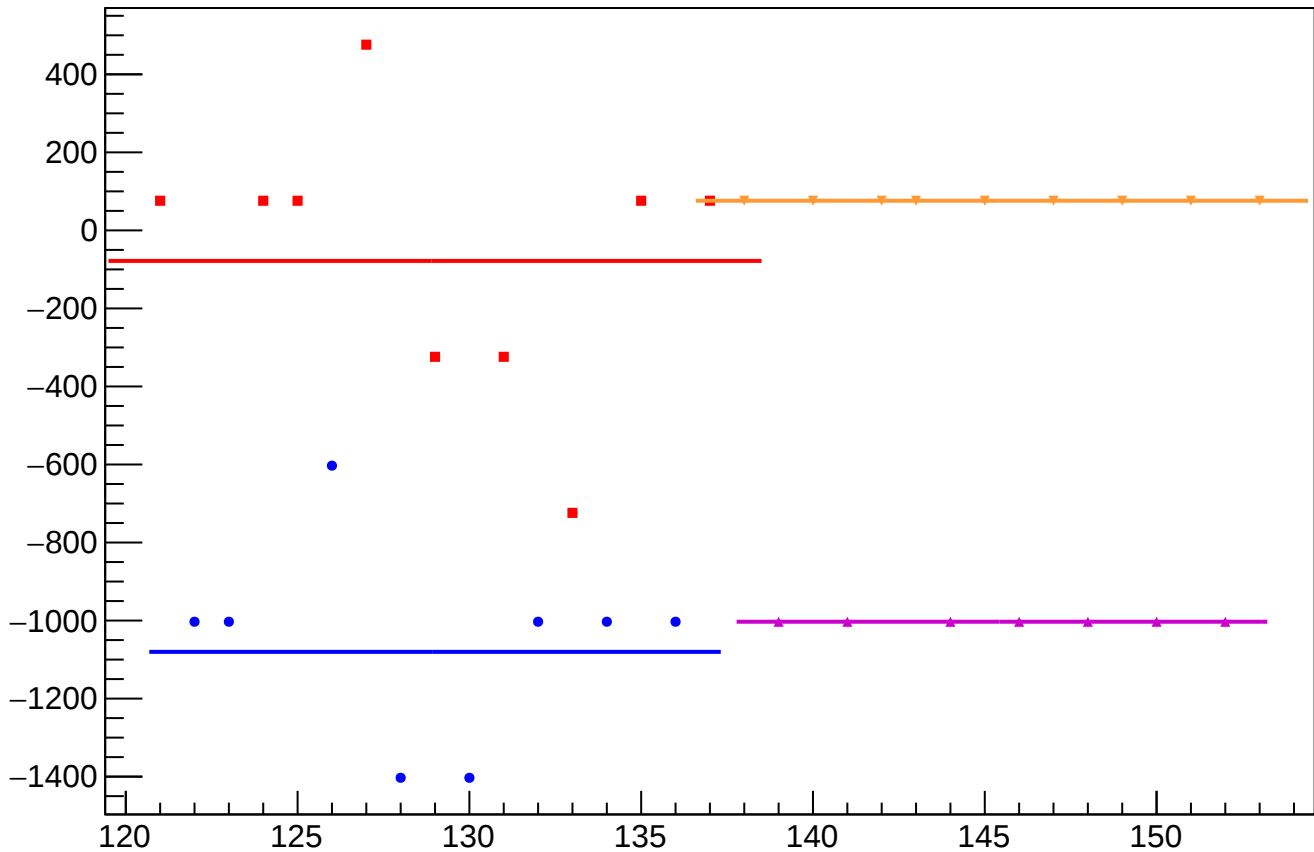
Right Out: 1157.295+/-0.000 χ^2/NDF : 13880040120623316310083946144856014848.0/8

Left In: 912.993+/-0.000 χ^2/NDF : 9511742927343363707698675712.0/6

1050.234+/-0.000 χ^2/NDF : 2480181735060073

998.445+/-0.000 χ^2/NDF : 26259545701175584

RTPAPOSVCNT_mean vs Slug



Right In: -1080.182+/-0.000 χ^2/NDF : 21641787691490496475350584298794123264.0/7

Left Out: 76.010+/-0.000 χ^2/NDF : 2872007732310765958147866624.0/8

Right Out: -78.224+/-0.000 χ^2/NDF : 39611265375063350144036471826150326272.0/8

Left In: -1002.990+/-0.000 χ^2/NDF : 978701131664046532864245760.0/6

-311.654+/-0.000 χ^2/NDF : 3255313355654078

-679.524+/-0.000 χ^2/NDF : 2169949200012421