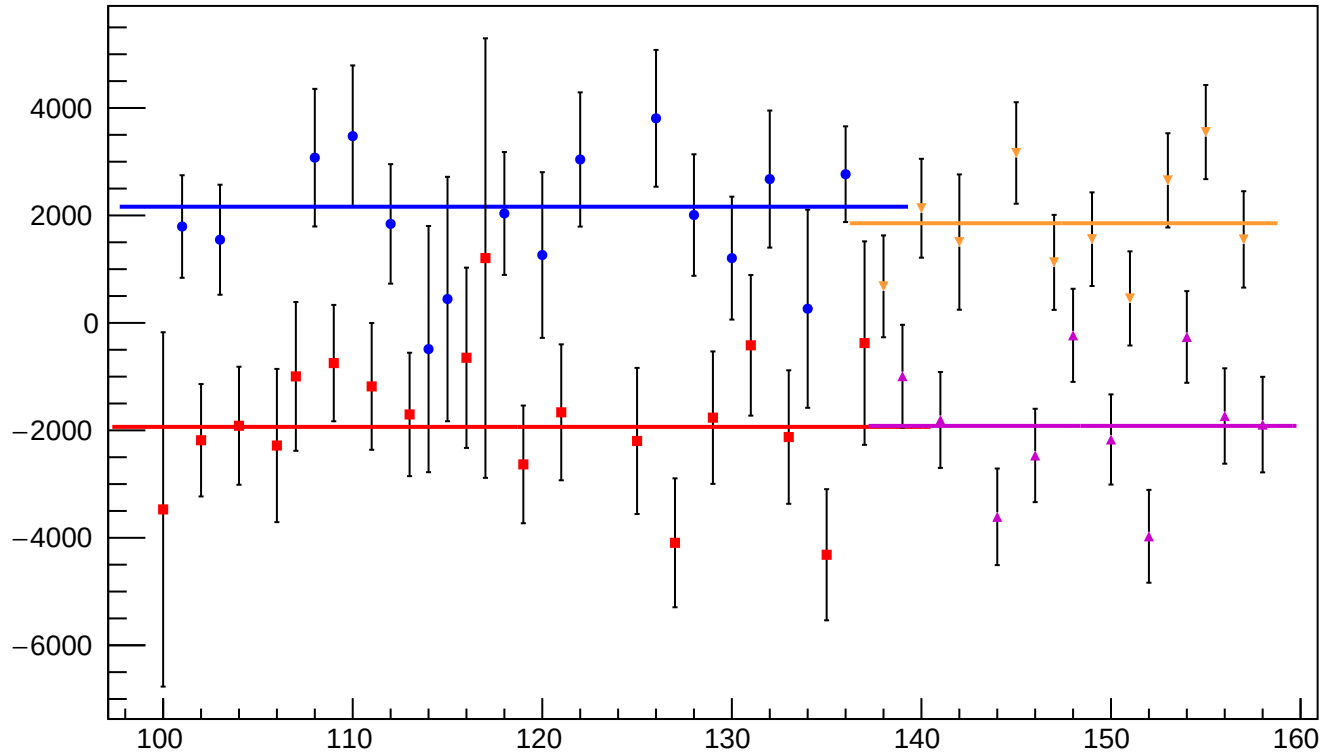


reg_asym_us_avg_mean vs Slug



Right In: 2162.311+/-307.312

χ^2/NDF : 8.9/15

2000.170+/-211.382

χ^2/NDF : 21.1/25

Left Out: 1854.571+/-291.216

χ^2/NDF : 11.7/9

Right Out: -1935.183+/-299.773

χ^2/NDF : 13.2/18

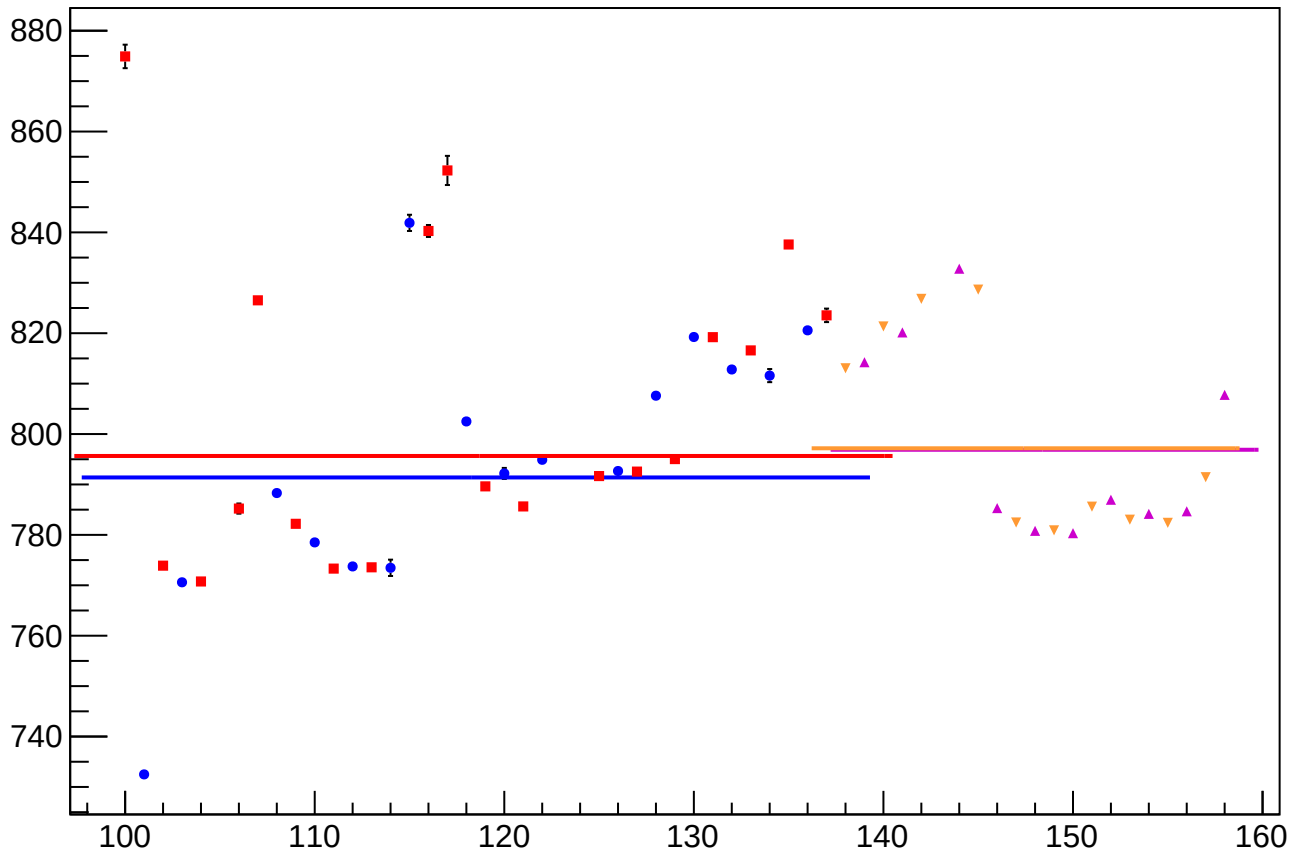
-1925.321+/-203.958

χ^2/NDF : 31.5/28

Left In: -1916.821+/-278.302

χ^2/NDF : 18.2/9

reg_asym_us_avg_rms vs Slug



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

Left Out: 797.175+/-0.206 χ^2/NDF : 8043.2/9

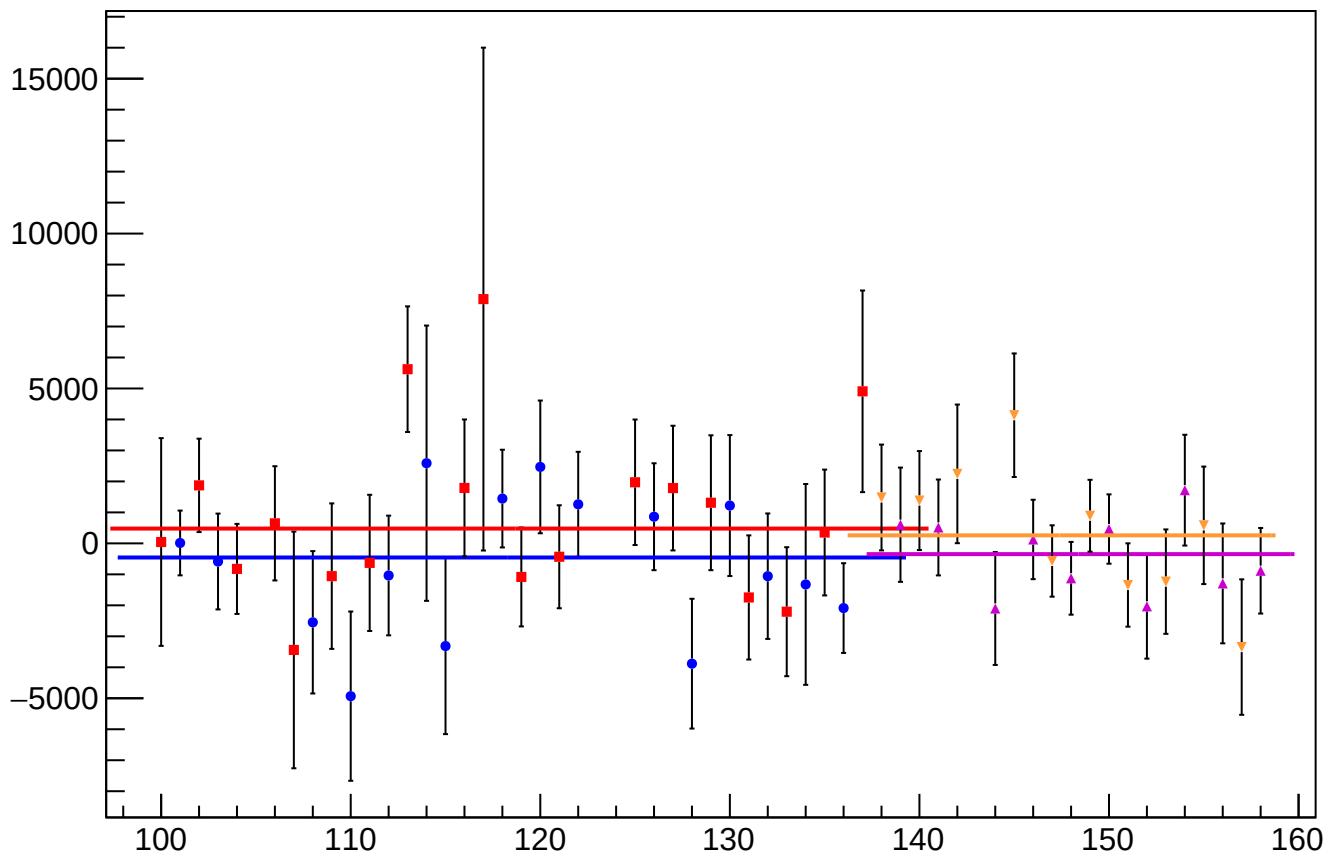
Right Out: 795.650+/-0.212 χ^2/NDF : 11945.4/18

Left In: 796.882+/-0.197 χ^2/NDF : 8419.8/9

794.438+/-0.149 χ^2/NDF : 23424.8/25

796.312+/-0.144 χ^2/NDF : 20383.3/28

asym_us_avg_correction_mean vs Slug



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

Left Out: 259.413+/-495.358 χ^2/NDF : 11.3/9

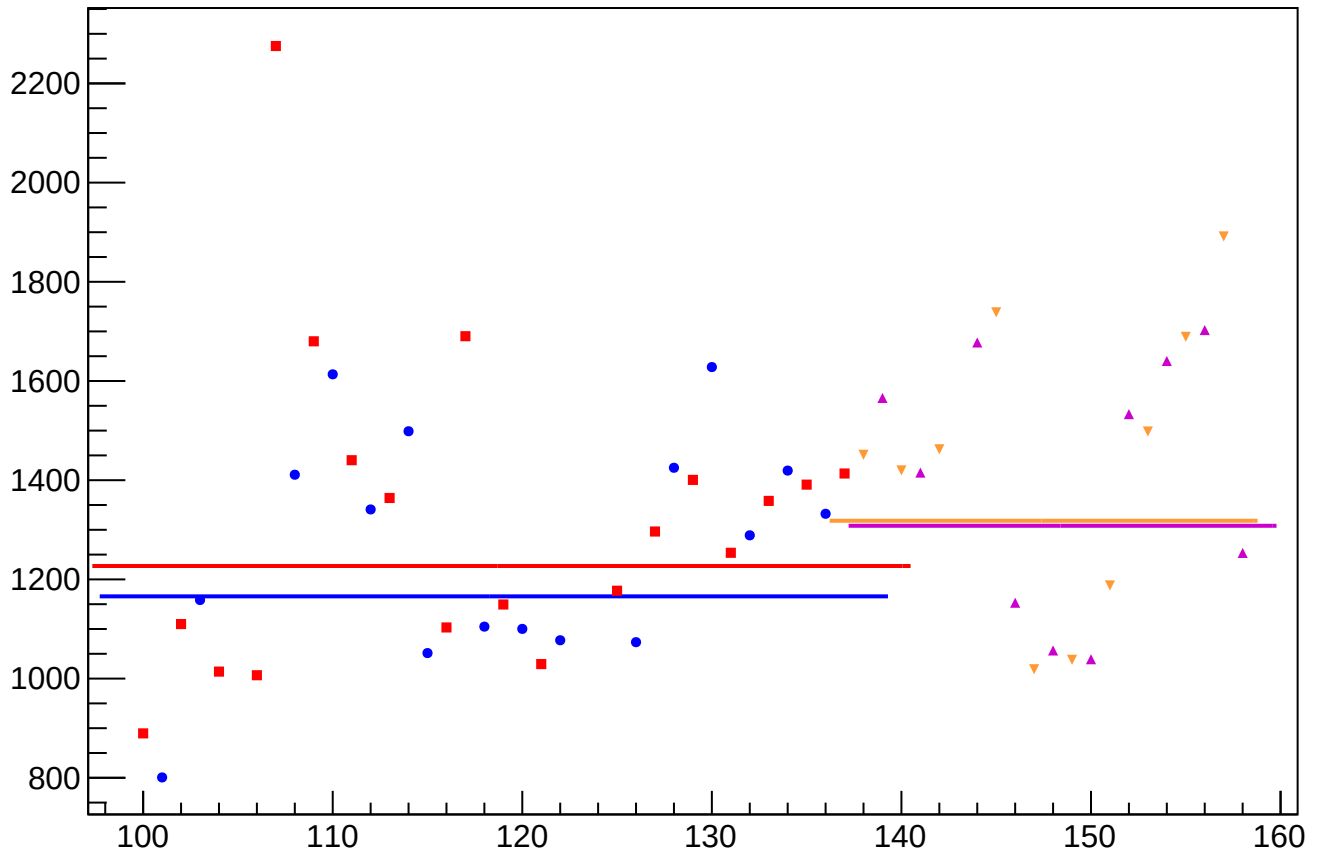
Right Out: 477.782+/-471.960 χ^2/NDF : 18.2/18

Left In: -347.026+/-466.260 χ^2/NDF : 5.3/9

-121.302+/-338.731 χ^2/NDF : 27.3/25

60.367+/-331.693 χ^2/NDF : 25.0/28

asym_us_avg_correction_rms vs Slug



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

Left Out: 1318.255 ± 0.350 χ^2/NDF : 624936.7/9

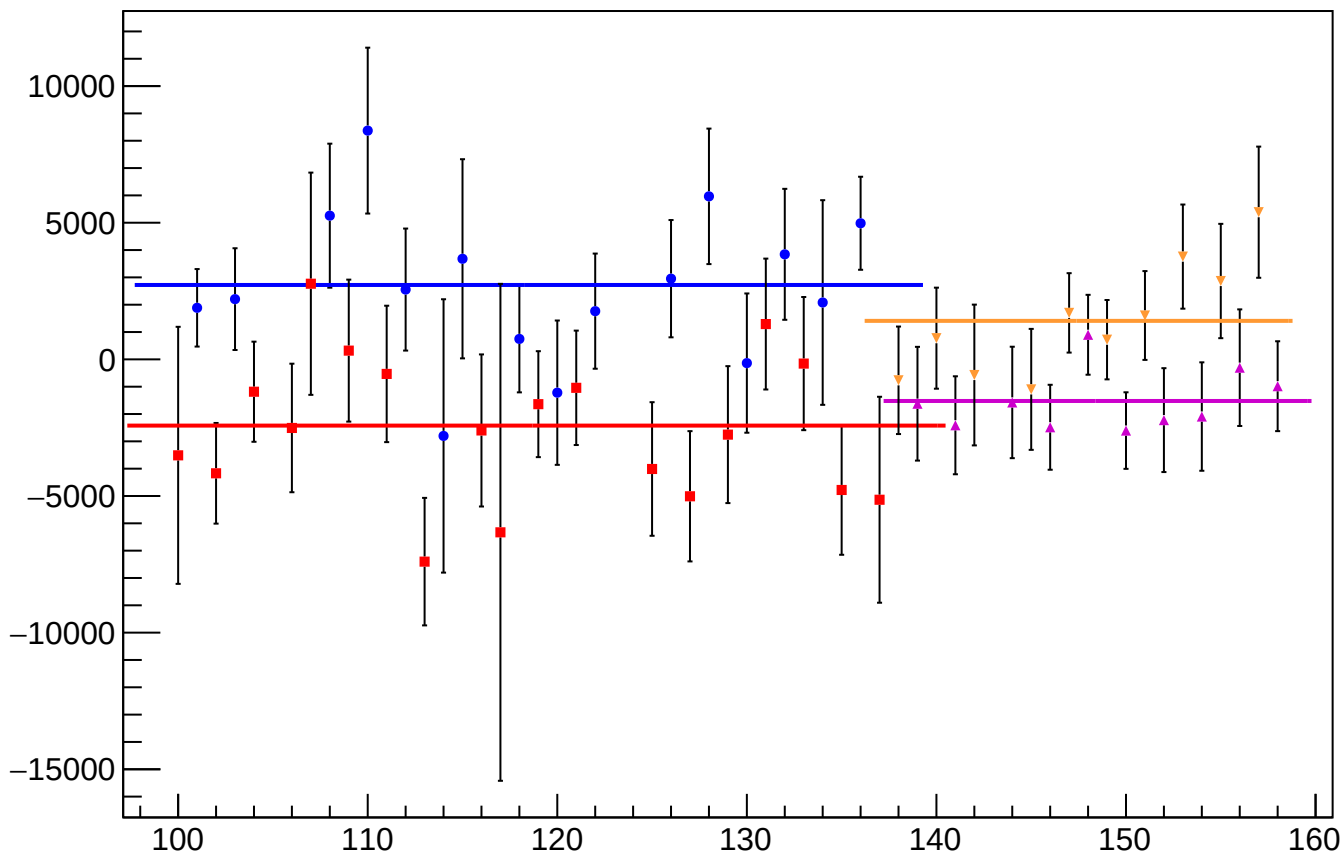
Right Out: 1227.021 ± 0.334 χ^2/NDF : 446961.2/18

Left In: 1308.114 ± 0.330 χ^2/NDF : 558530.7/9

1237.094 ± 0.240 χ^2/NDF : 1252582.1/25

1268.060 ± 0.235 χ^2/NDF : 1035373.8/28

asym_us_avg_mean vs Slug



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

Left Out: 1408.586+/-586.203 χ^2/NDF : 8.2/9

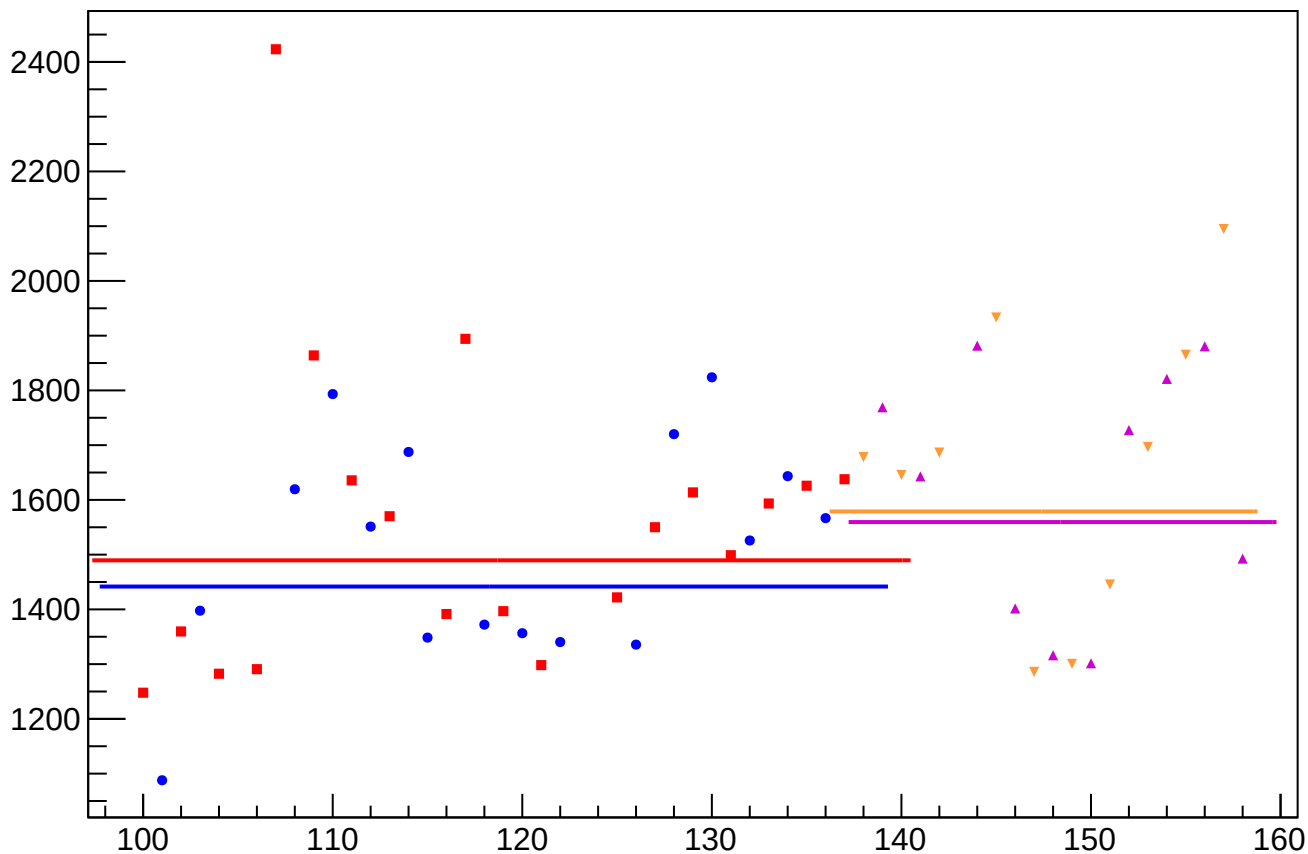
Right Out: -2423.739+/-567.866 χ^2/NDF : 16.5/18

Left In: -1522.830+/-550.918 χ^2/NDF : 4.6/9

2087.140+/-407.606 χ^2/NDF : 25.4/25

-1959.640+/-395.414 χ^2/NDF : 22.4/28

asym_us_avg_rms vs Slug



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

Left Out: 1578.854+/-0.415 χ^2 /NDF:368272.5/9

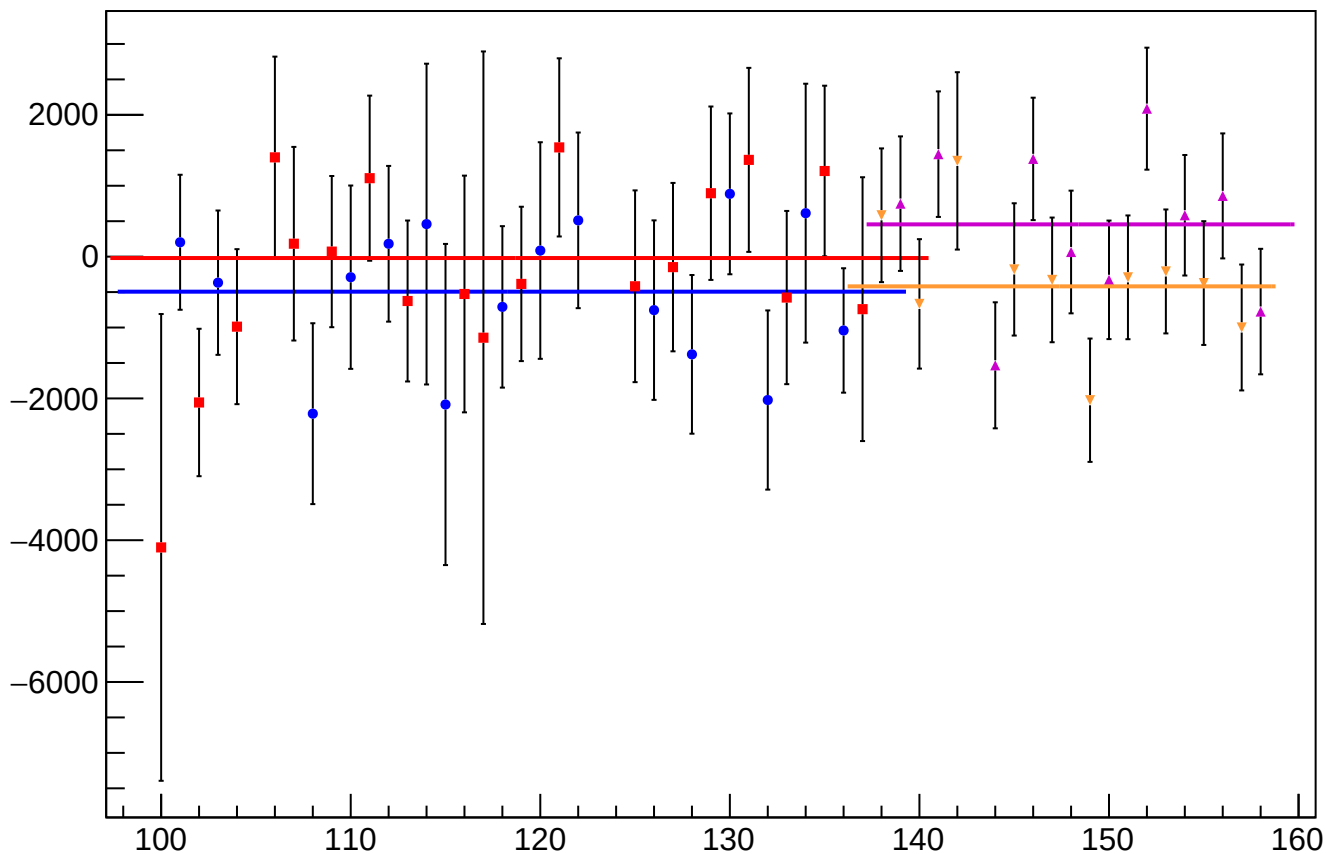
Right Out: 1489.610+/-0.402 χ^2 /NDF: 260116.0/18

Left In: 1559.500+/-0.390 χ^2 /NDF:317457.5/9

1508.023+/-0.288 χ^2 /NDF: 700708.7/25

1525.613+/-0.280 χ^2 /NDF: 593179.7/28

reg_asym_us_dd_mean vs Slug



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

Left Out: -419.261 ± 289.552 χ^2/NDF : 7.2/9

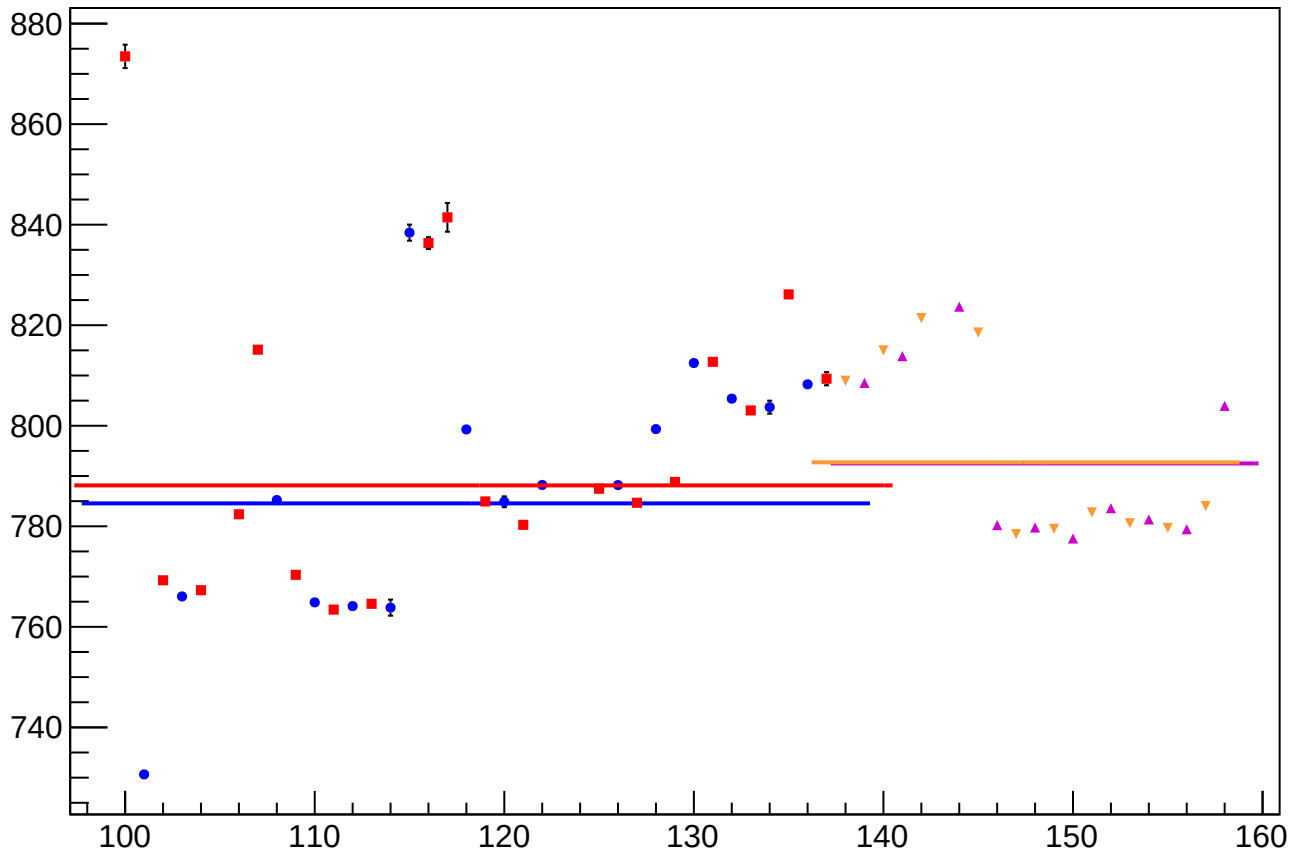
Right Out: -19.622 ± 296.930 χ^2/NDF : 13.4/18

Left In: 455.247 ± 276.754 χ^2/NDF : 14.3/9

-454.839 ± 209.877 χ^2/NDF : 15.9/25

234.493 ± 202.452 χ^2/NDF : 29.1/28

reg_asym_us_dd_rms vs Slug



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

Left Out: 792.722 $\pm$ 0.205 χ^2 /NDF: 6636.2/9

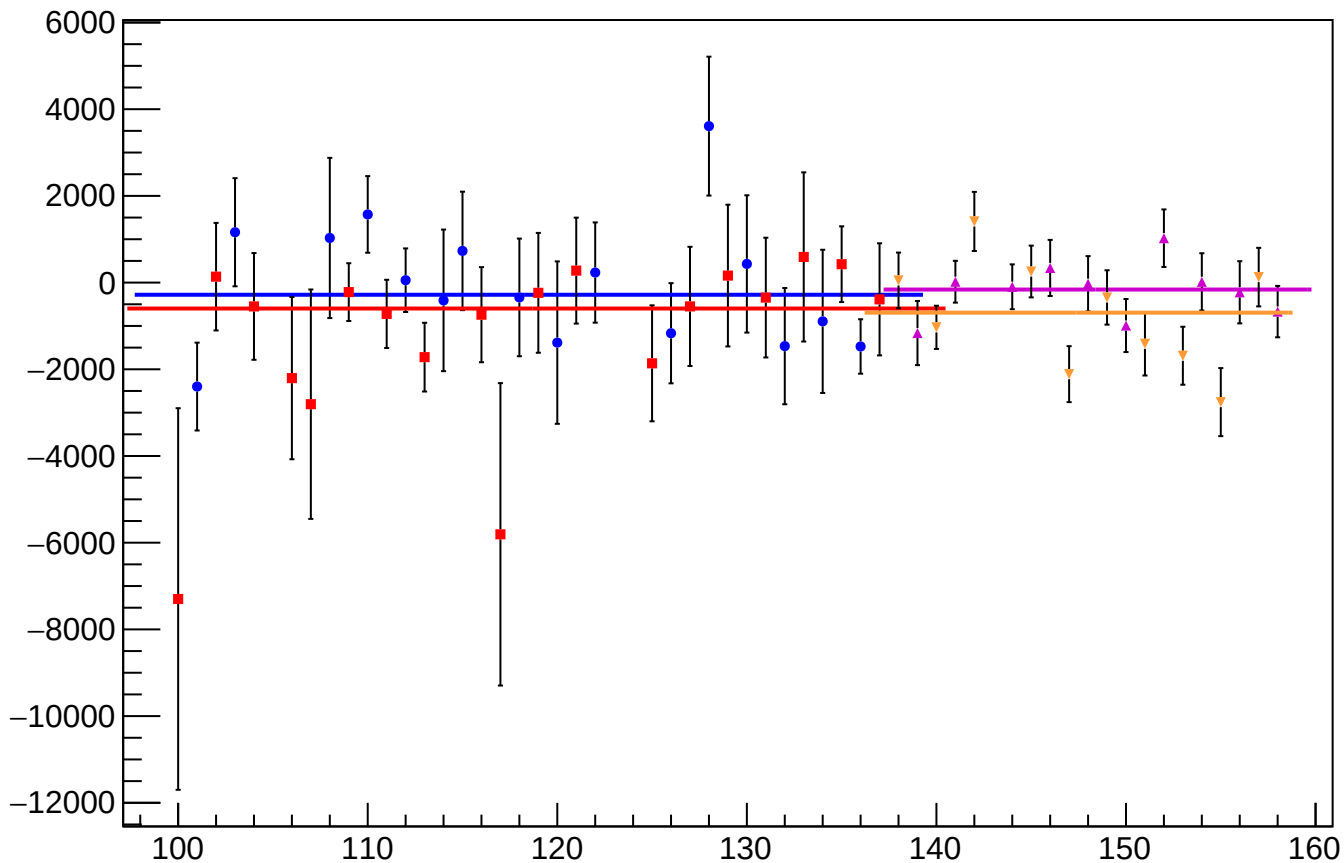
Right Out: 788.134 $\pm$ 0.210 χ^2 /NDF: 11259.7/18

Left In: 792.502 $\pm$ 0.196 χ^2 /NDF: 7001.0/9

788.847 $\pm$ 0.148 χ^2 /NDF: 21068.6/25

790.472 $\pm$ 0.143 χ^2 /NDF: 18492.3/28

asym_us_dd_correction_mean vs Slug



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

Left Out: -693.356+/-202.981 χ^2/NDF : 30.6/9

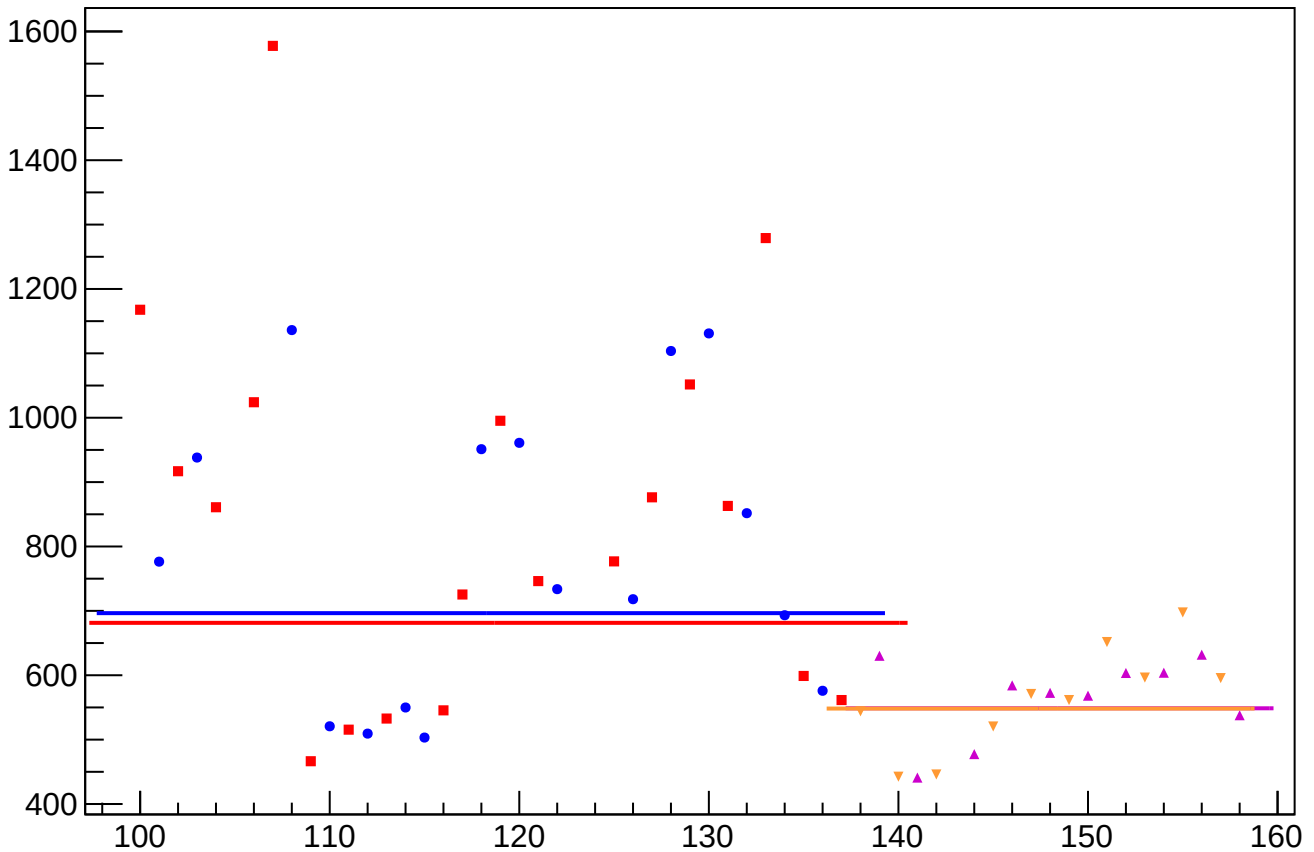
Right Out: -598.108+/-272.052 χ^2/NDF : 12.2/18

Left In: -160.307+/-193.395 χ^2/NDF : 8.5/9

-552.830+/-164.842 χ^2/NDF : 55.1/25

-307.276+/-157.626 χ^2/NDF : 22.4/28

asym_us_dd_correction_rms vs Slug



Right In: 696.462 ± 0.200 $\chi^2/\text{NDF}: 959490.0/15$

Left Out: 548.259 ± 0.144 $\chi^2/\text{NDF}: 275488.2/9$

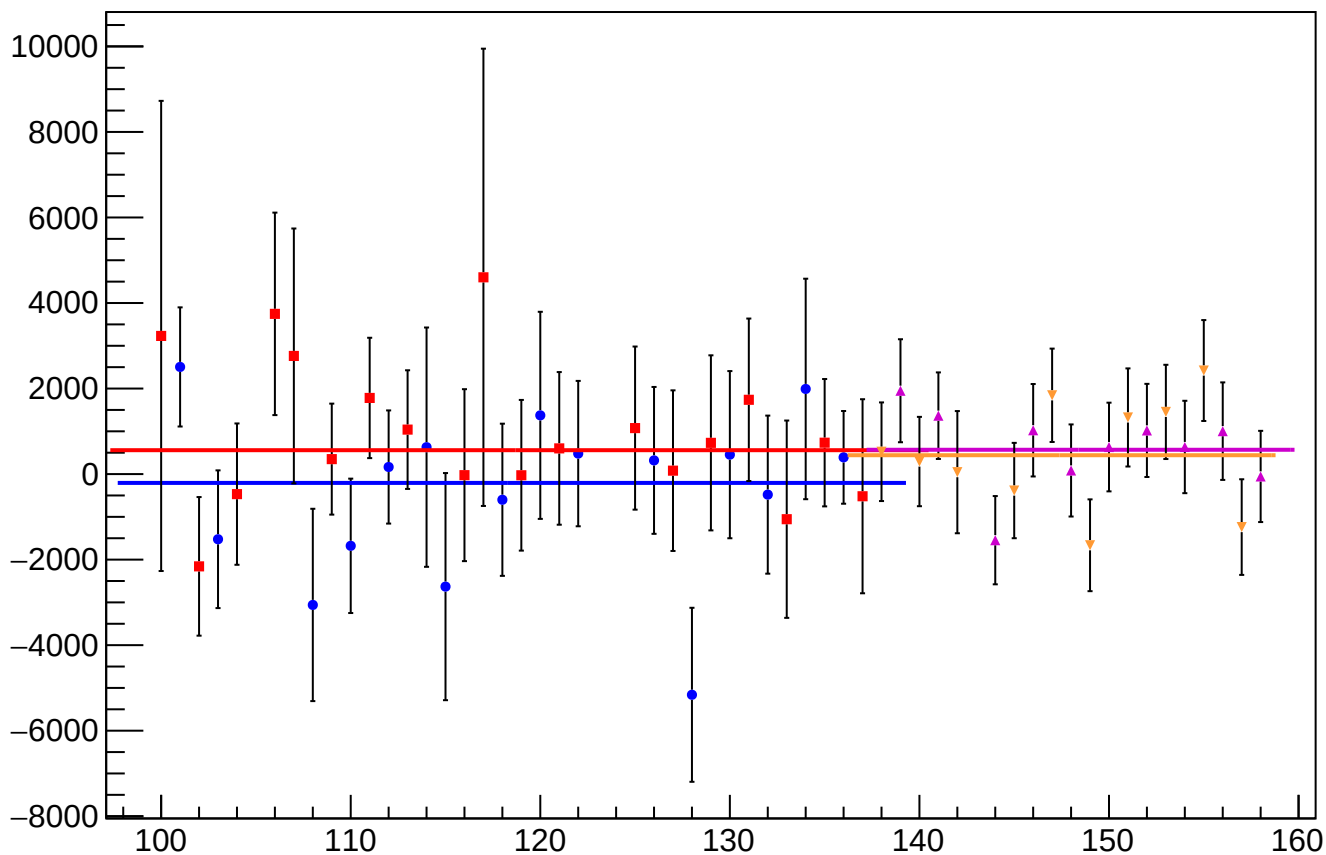
598.720 ± 0.117 $\chi^2/\text{NDF}: 1597995.2/25$

Right Out: 681.396 ± 0.192 $\chi^2/\text{NDF}: 1352876.1/18$

593.221 ± 0.111 $\chi^2/\text{NDF}: 1897105.6/28$

Left In: 548.662 ± 0.137 $\chi^2/\text{NDF}: 227963.0/9$

asym_us_dd_mean vs Slug



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

Left Out: 441.016+/-358.676 χ^2 /NDF:12.7/9

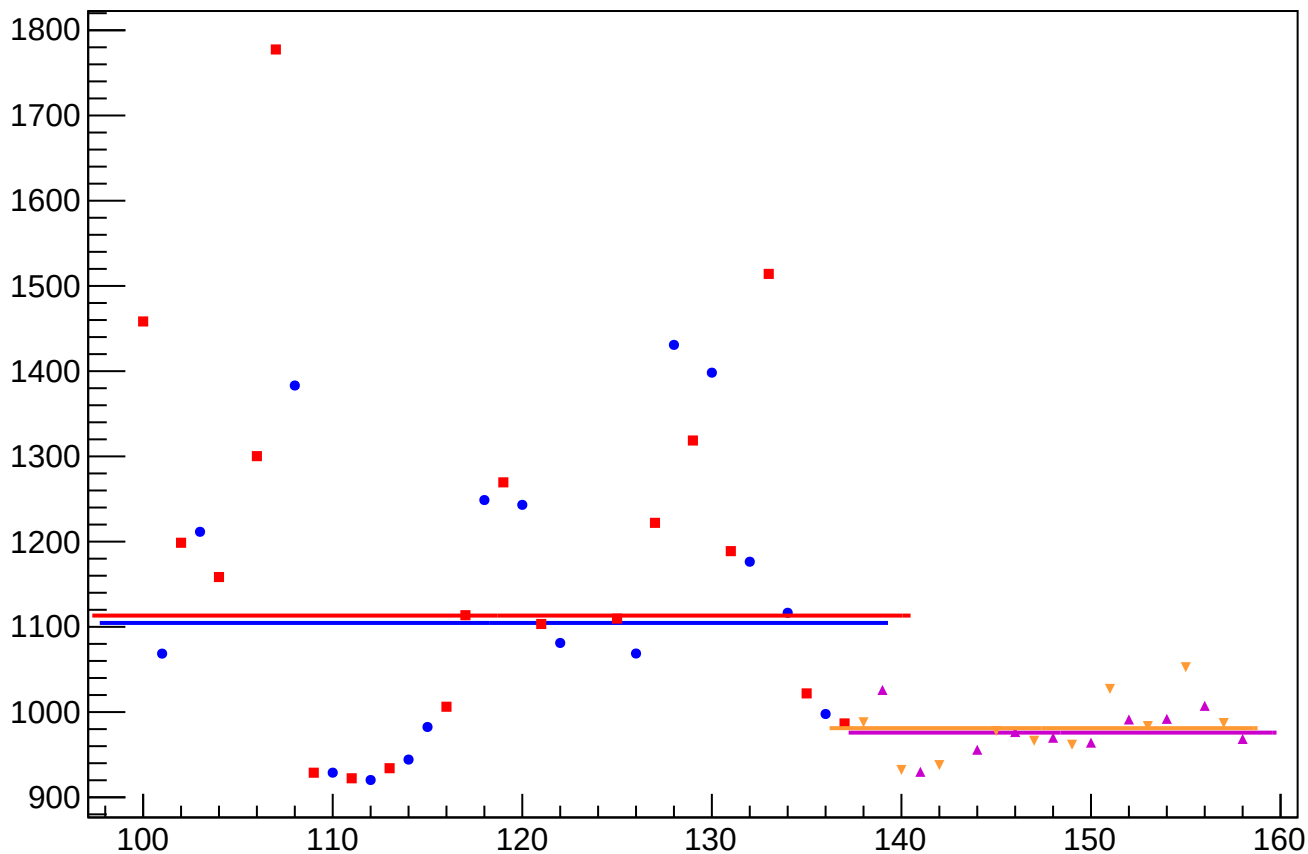
Right Out: 558.638+/-425.771 χ^2 /NDF: 8.7/18

Left In: 568.609+/-340.937 χ^2 /NDF:7.2/9

178.122+/-276.419 χ^2 /NDF: 29.8/25

564.714+/-266.129 χ^2 /NDF: 15.9/28

asym_us_dd_rms vs Slug



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

Left Out: 981.138 $\pm$ 0.254 χ^2 /NDF:18005.1/9

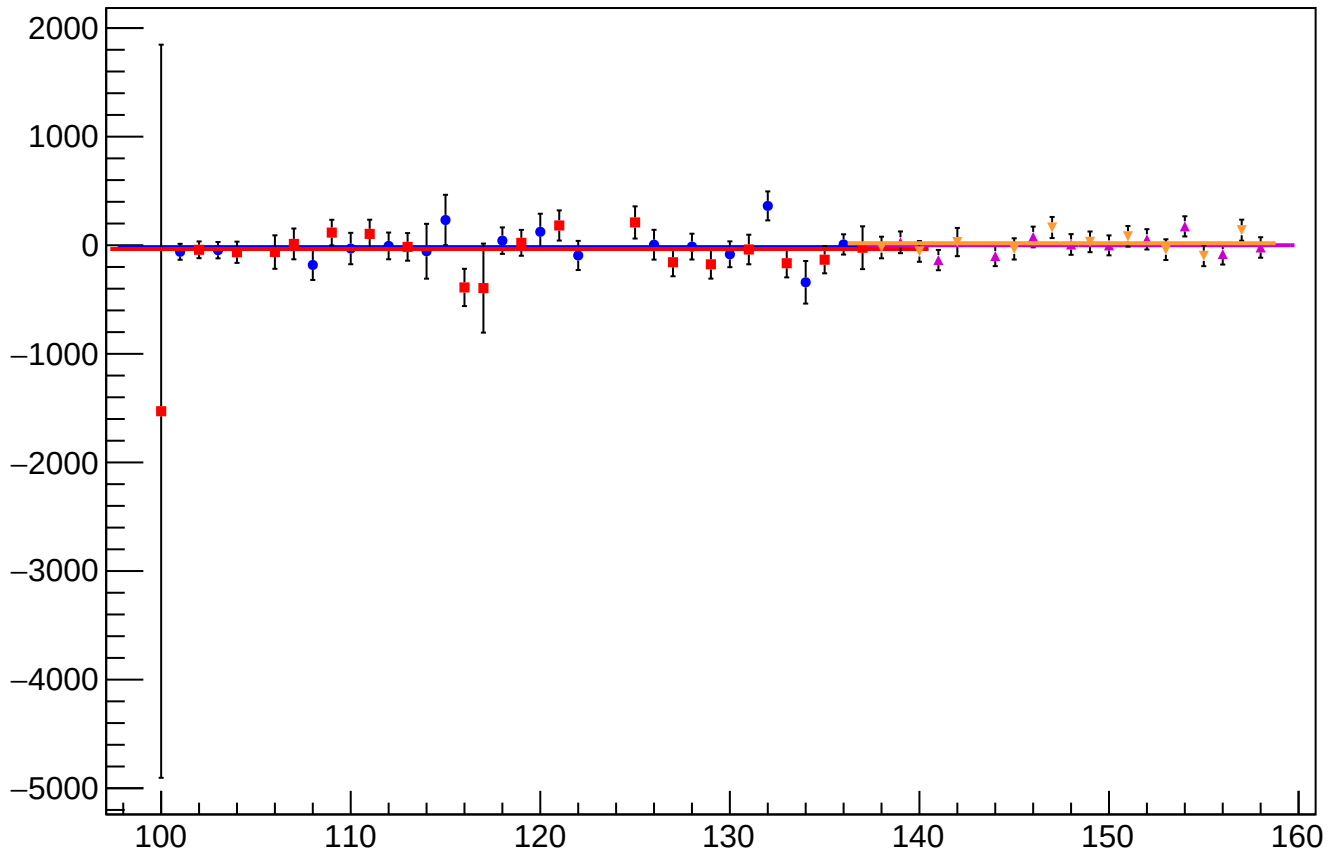
1031.272 $\pm$ 0.195 χ^2 /NDF: 369714.6/25

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

1029.542 $\pm$ 0.188 χ^2 /NDF: 500886.4/28

Left In: 975.889 $\pm$ 0.241 χ^2 /NDF:11127.6/9

reg_asym_ds_avg_mean vs Slug



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

Left Out: 18.866 ± 31.206 χ^2/NDF : 7.1/9

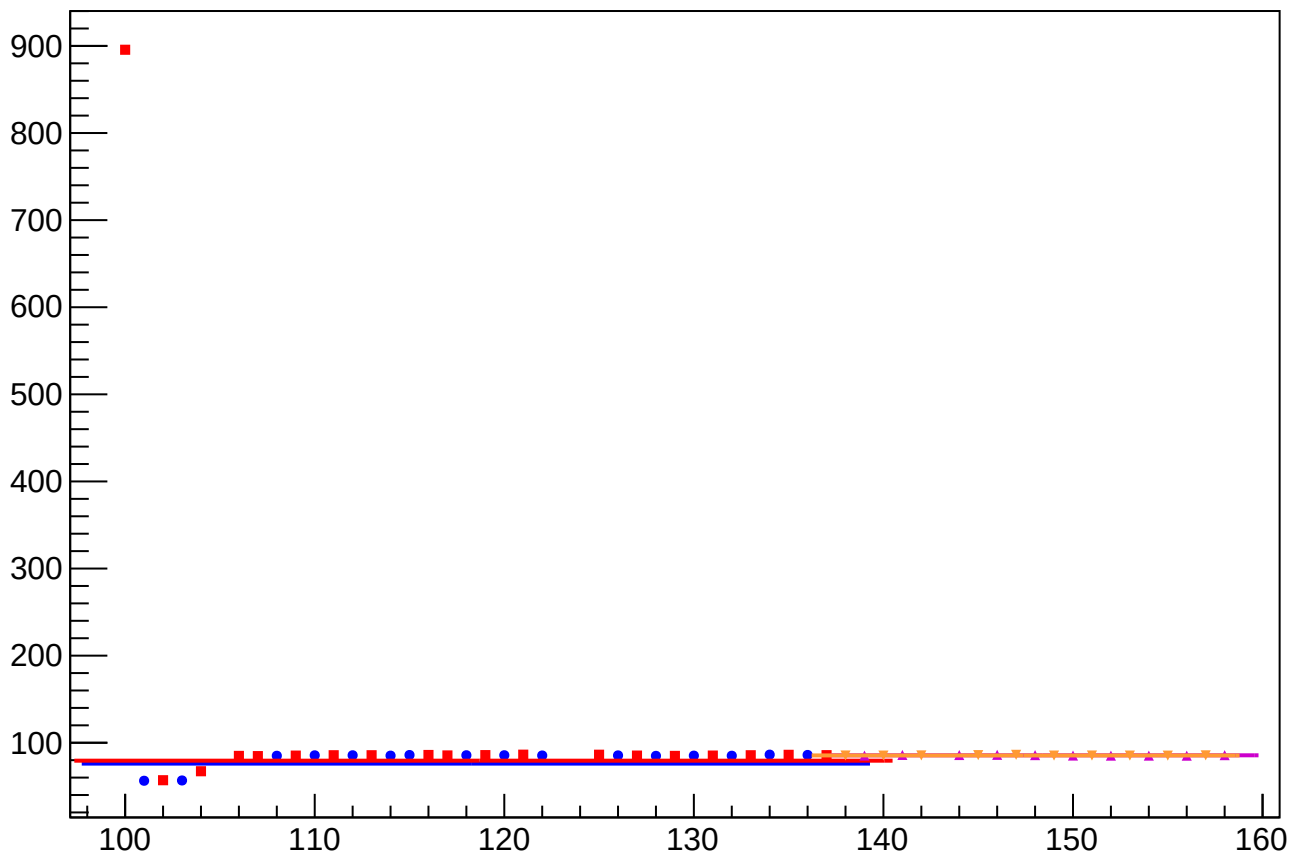
Right Out: -34.875 ± 30.363 χ^2/NDF : 17.3/18

Left In: 0.033 ± 29.886 χ^2/NDF : 8.6/9

0.097 ± 21.622 χ^2/NDF : 23.4/25

-17.145 ± 21.299 χ^2/NDF : 26.6/28

reg_asym_ds_avg_rms vs Slug



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

Left Out: 85.454+/-0.022 χ^2/NDF :165.7/9

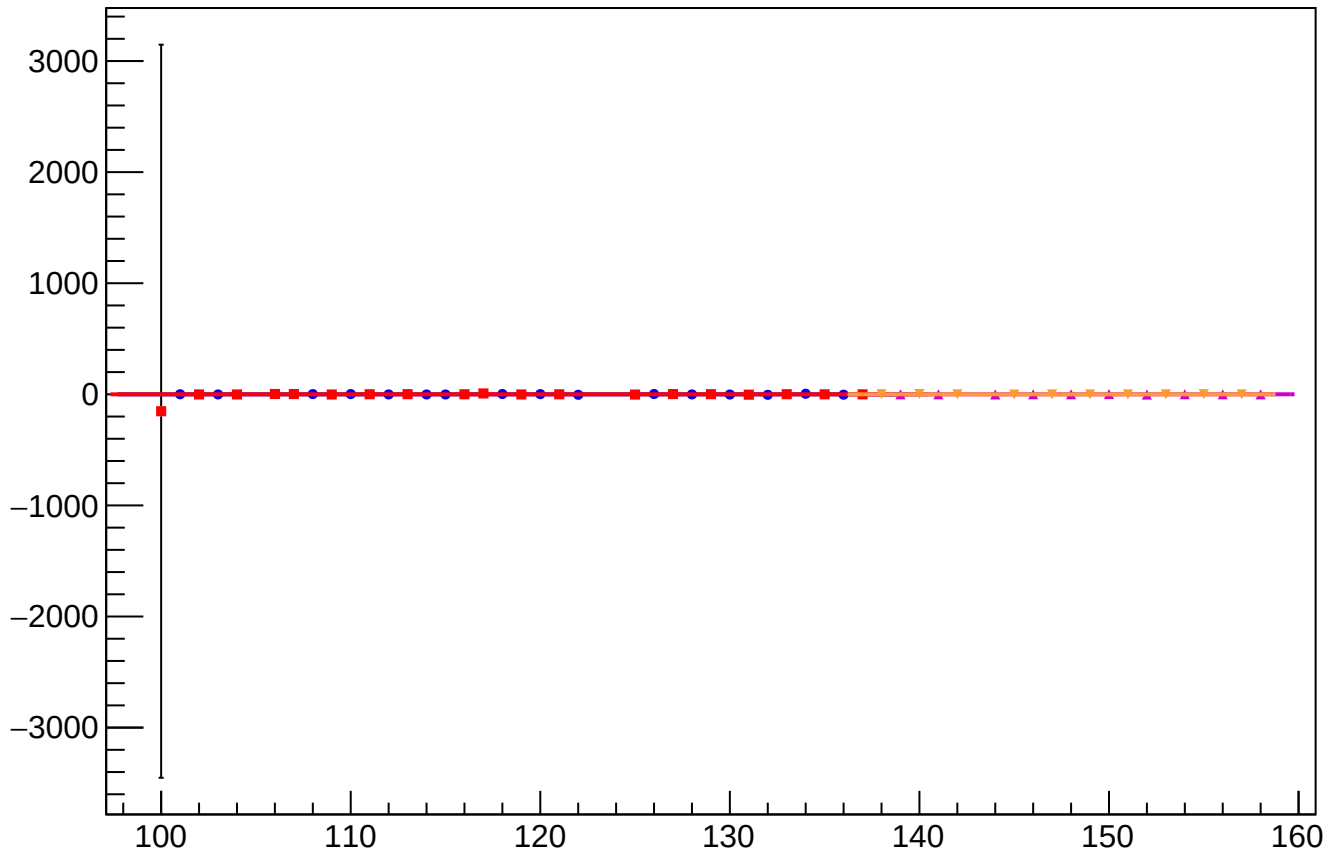
Right Out: 79.423+/-0.021 χ^2/NDF : 378959.4/18

Left In: 85.596+/-0.021 χ^2/NDF :295.8/9

80.580+/-0.015 χ^2/NDF : 503172.0/25

82.558+/-0.015 χ^2/NDF : 421243.2/28

asym_ds_avg_correction_mean vs Slug



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

Left Out: -0.278 ± 0.516 χ^2/NDF : 5.4/9

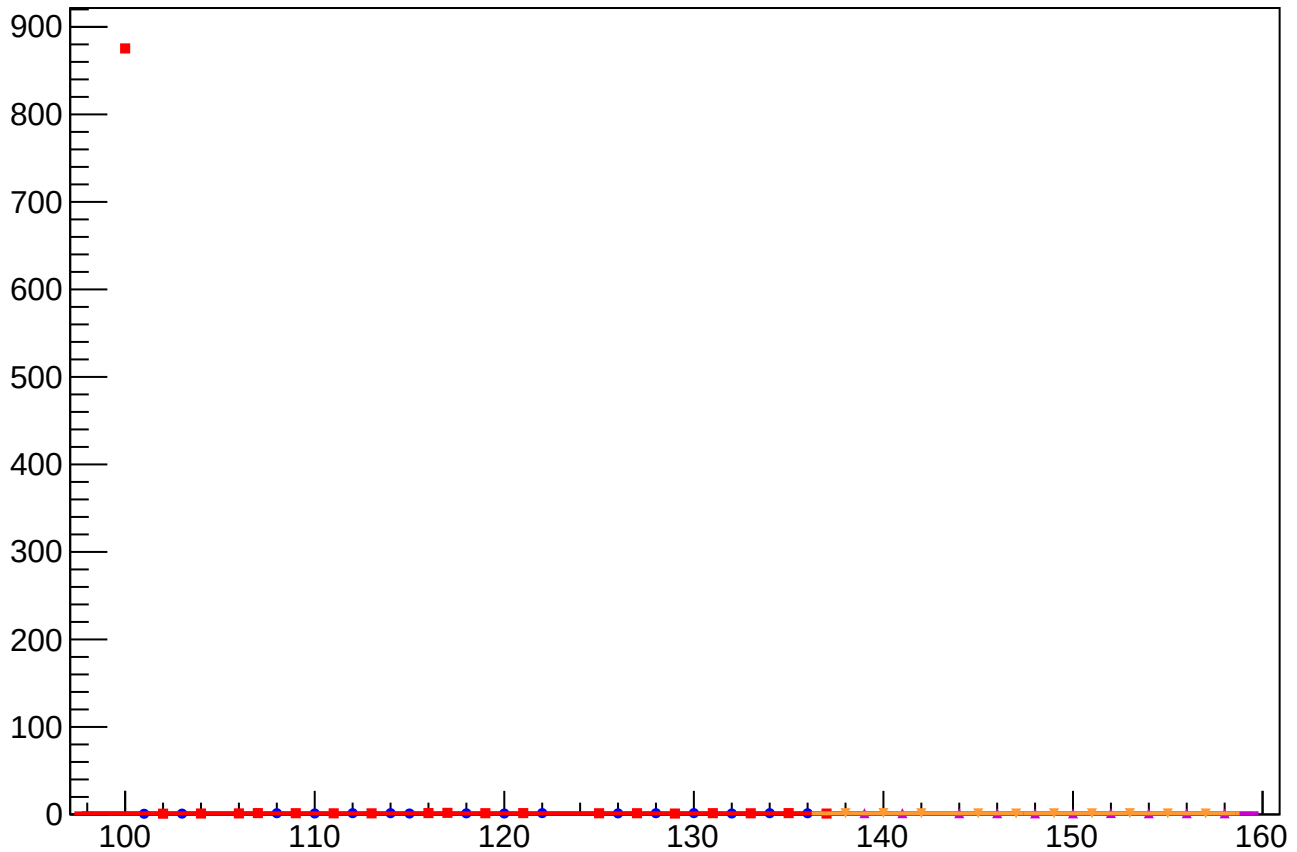
Right Out: -0.051 ± 0.520 χ^2/NDF : 9.8/18

Left In: 0.275 ± 0.531 χ^2/NDF : 5.0/9

-0.280 ± 0.360 χ^2/NDF : 26.6/25

0.108 ± 0.372 χ^2/NDF : 15.0/28

asym_ds_avg_correction_rms vs Slug



Right In: 1.152 ± 0.000 $\chi^2/\text{NDF}: 514348.9/15$

Left Out: 1.270 ± 0.000 $\chi^2/\text{NDF}: 168681.7/9$

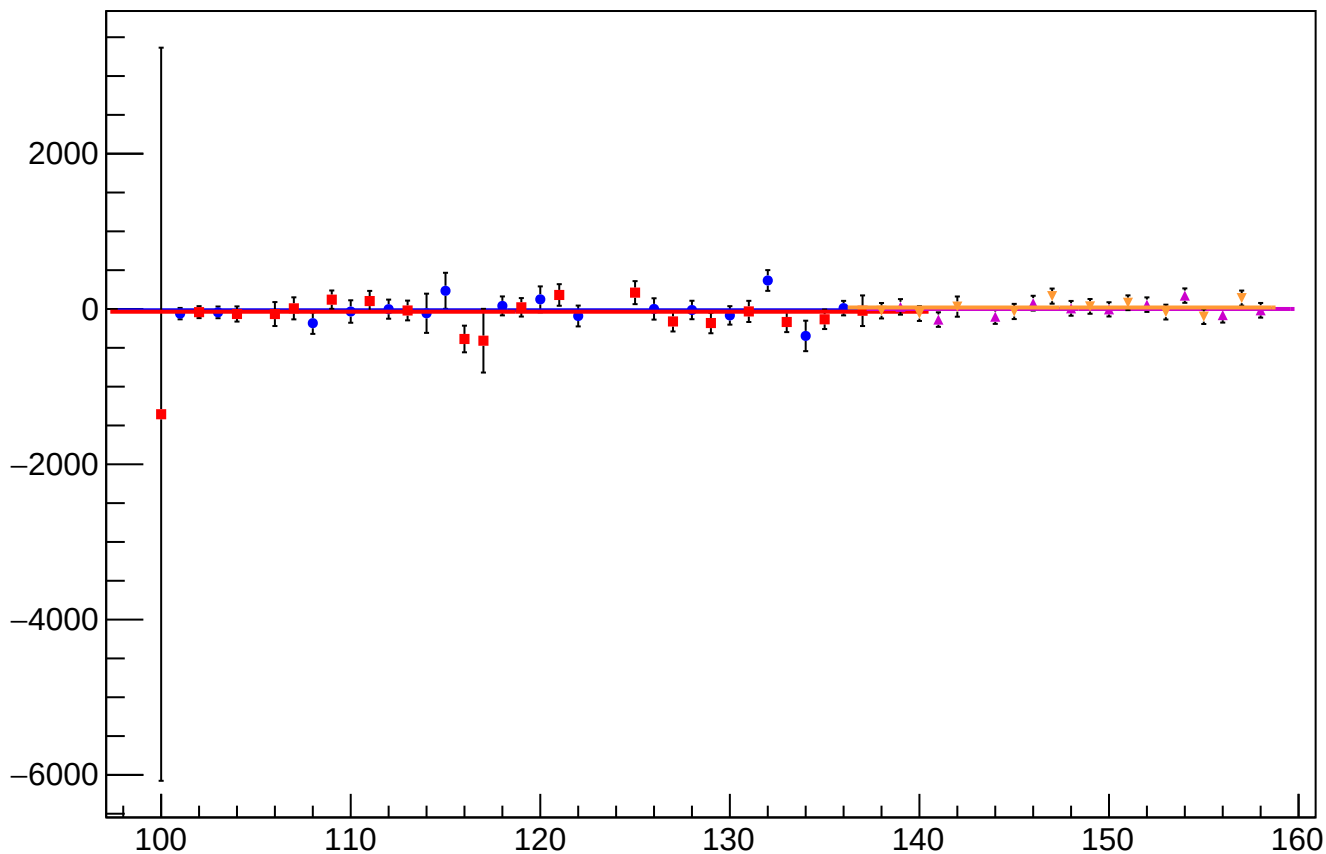
Right Out: 1.249 ± 0.000 $\chi^2/\text{NDF}: 526097.8/18$

Left In: 1.406 ± 0.000 $\chi^2/\text{NDF}: 79620.5/9$

1.210 ± 0.000 $\chi^2/\text{NDF}: 736442.9/25$

1.326 ± 0.000 $\chi^2/\text{NDF}: 694964.6/28$

asym_ds_avg_mean vs Slug



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

Left Out: 19.278 ± 31.214 χ^2/NDF : 7.3/9

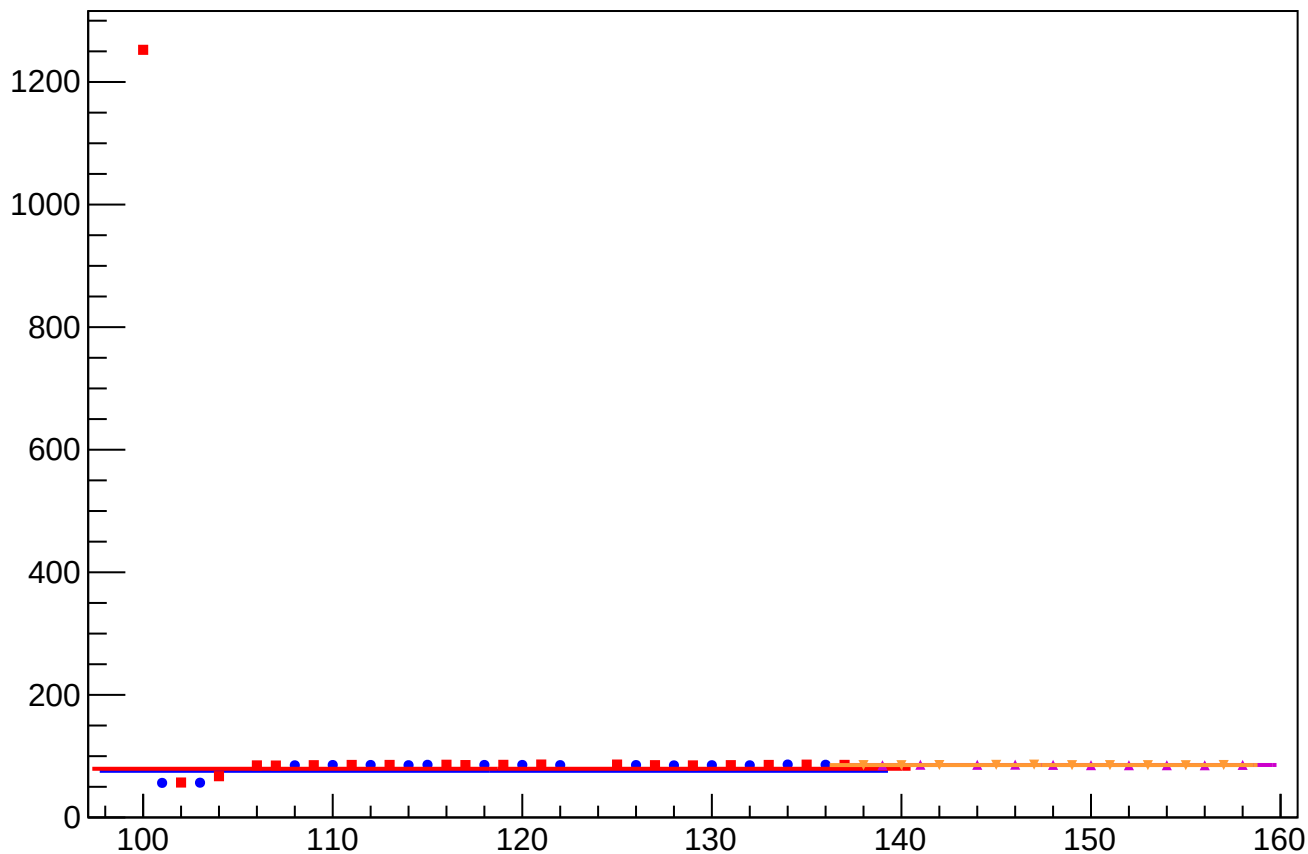
Right Out: -35.172 ± 30.371 χ^2/NDF : 17.4/18

Left In: 0.334 ± 29.894 χ^2/NDF : 8.5/9

0.775 ± 21.628 χ^2/NDF : 23.8/25

-17.138 ± 21.305 χ^2/NDF : 26.5/28

asym_ds_avg_rms vs Slug



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

Left Out: 85.476+/-0.022 χ^2/NDF :165.8/9

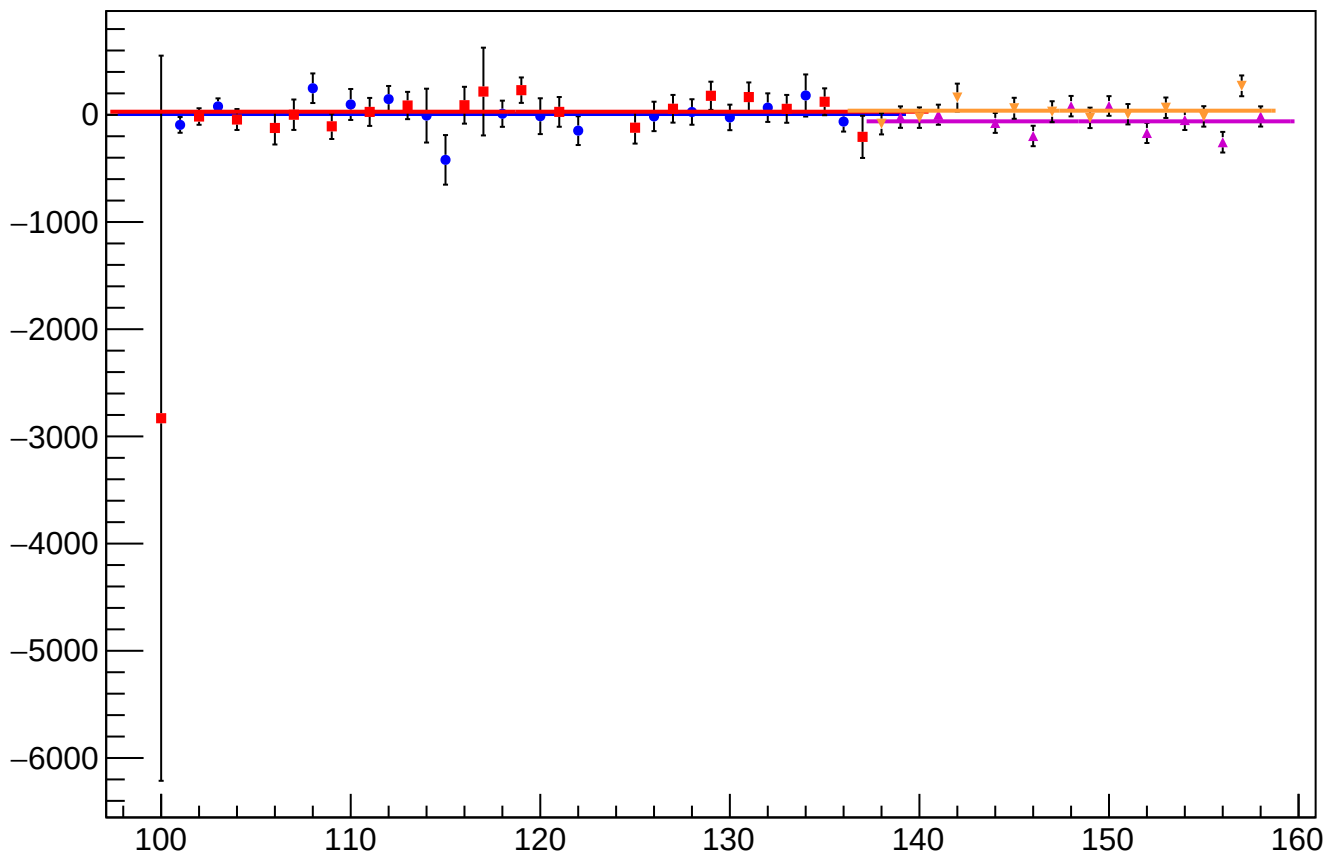
Right Out: 79.426+/-0.021 χ^2/NDF : 385484.8/18

Left In: 85.619+/-0.021 χ^2/NDF :295.5/9

80.601+/-0.015 χ^2/NDF : 503200.5/25

82.572+/-0.015 χ^2/NDF : 428013.1/28

reg_asym_ds_dd_mean vs Slug



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

Left Out: 38.505+/-31.213 χ^2 /NDF: 9.6/9

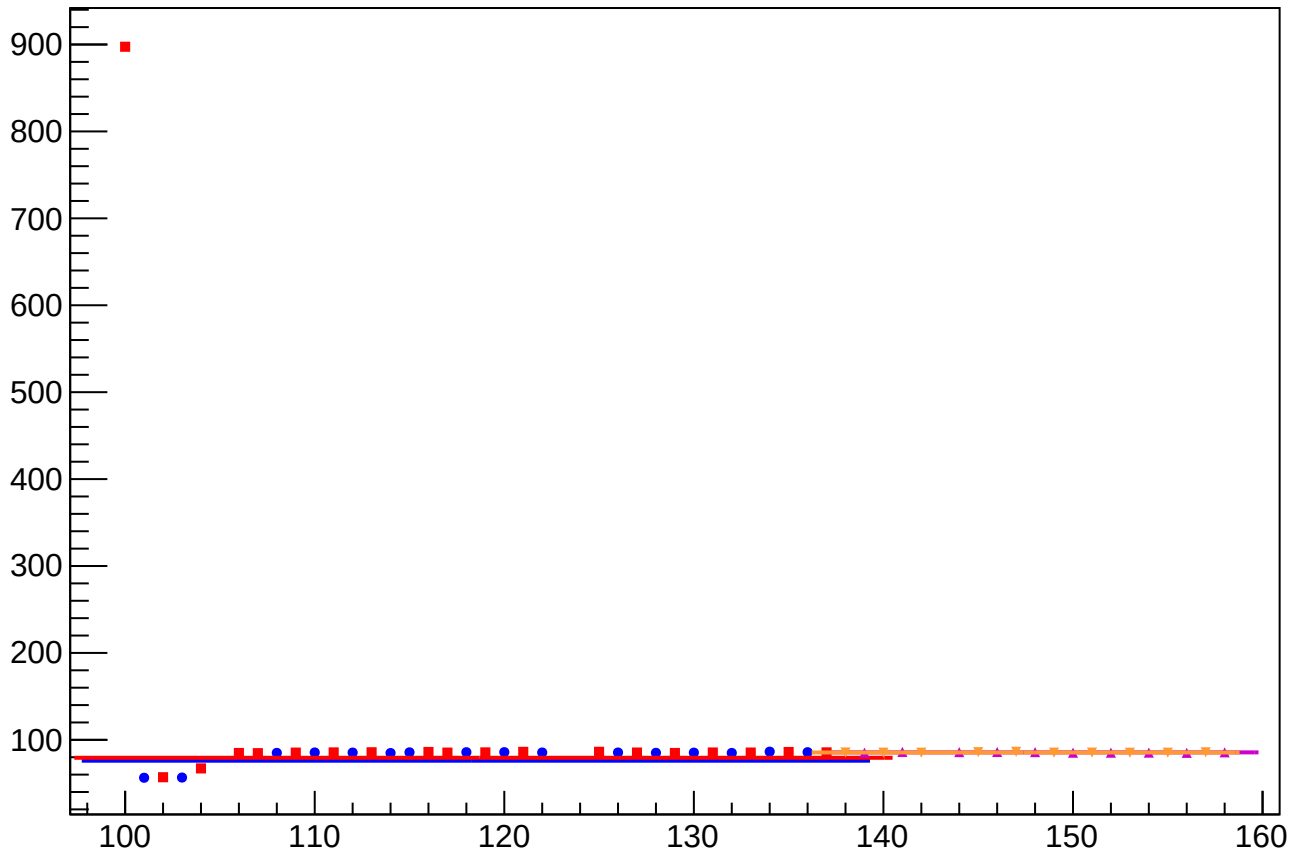
Right Out: 28.958+/-30.344 χ^2 /NDF: 12.7/18

Left In: -60.879+/-29.881 χ^2 /NDF: 13.0/9

22.352+/-21.618 χ^2 /NDF: 24.1/25

-16.651+/-21.291 χ^2 /NDF: 30.2/28

reg_asym_ds_dd_rms vs Slug



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

Left Out: 85.473 $\pm$ 0.022 χ^2 /NDF: 226.2/9

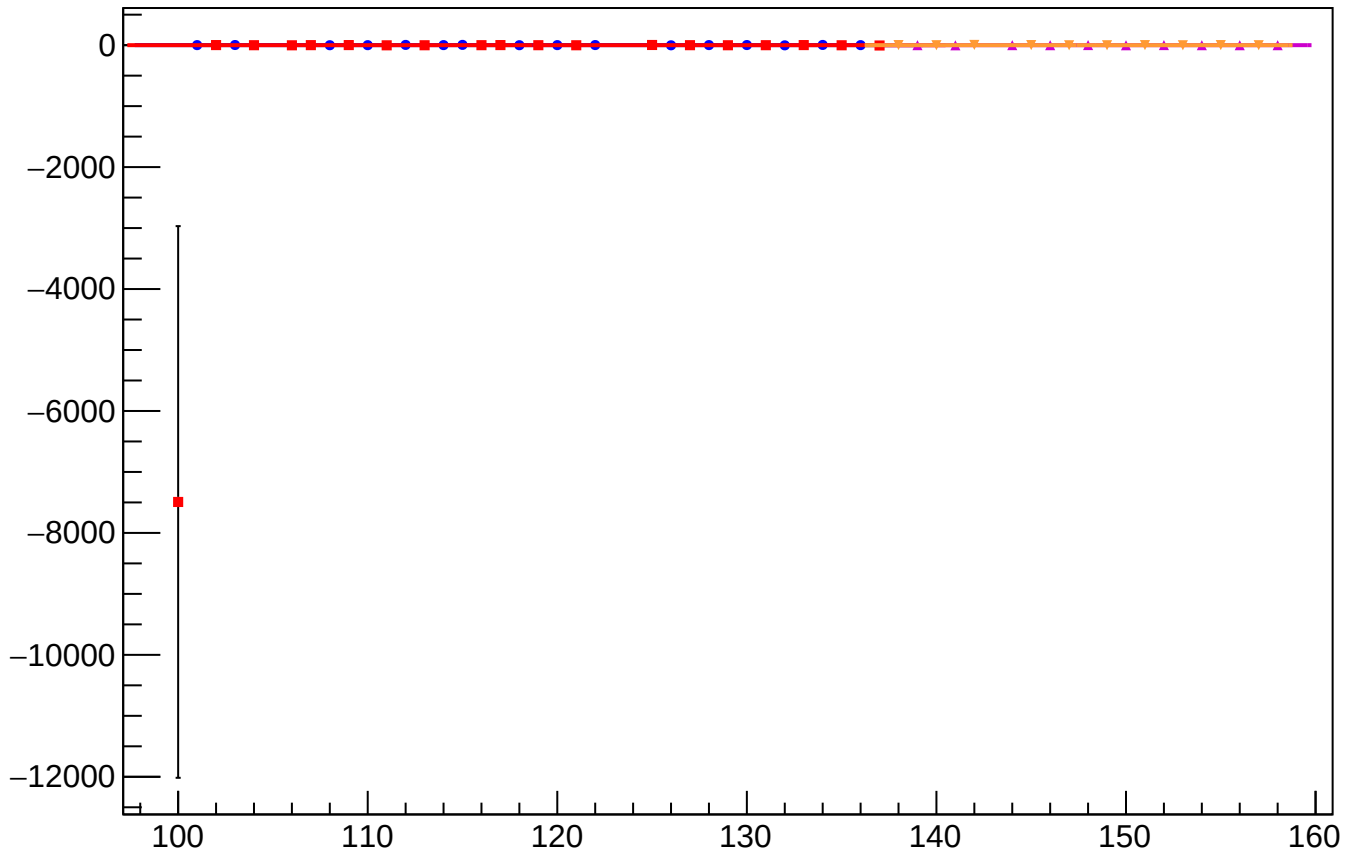
Right Out: 79.375 $\pm$ 0.021 χ^2 /NDF: 378794.5/18

Left In: 85.582 $\pm$ 0.021 χ^2 /NDF: 312.5/9

80.560 $\pm$ 0.015 χ^2 /NDF: 504348.2/25

82.526 $\pm$ 0.015 χ^2 /NDF: 421603.7/28

asym_ds_dd_correction_mean vs Slug



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

Left Out: -0.302 ± 0.530 χ^2/NDF : 8.0/9

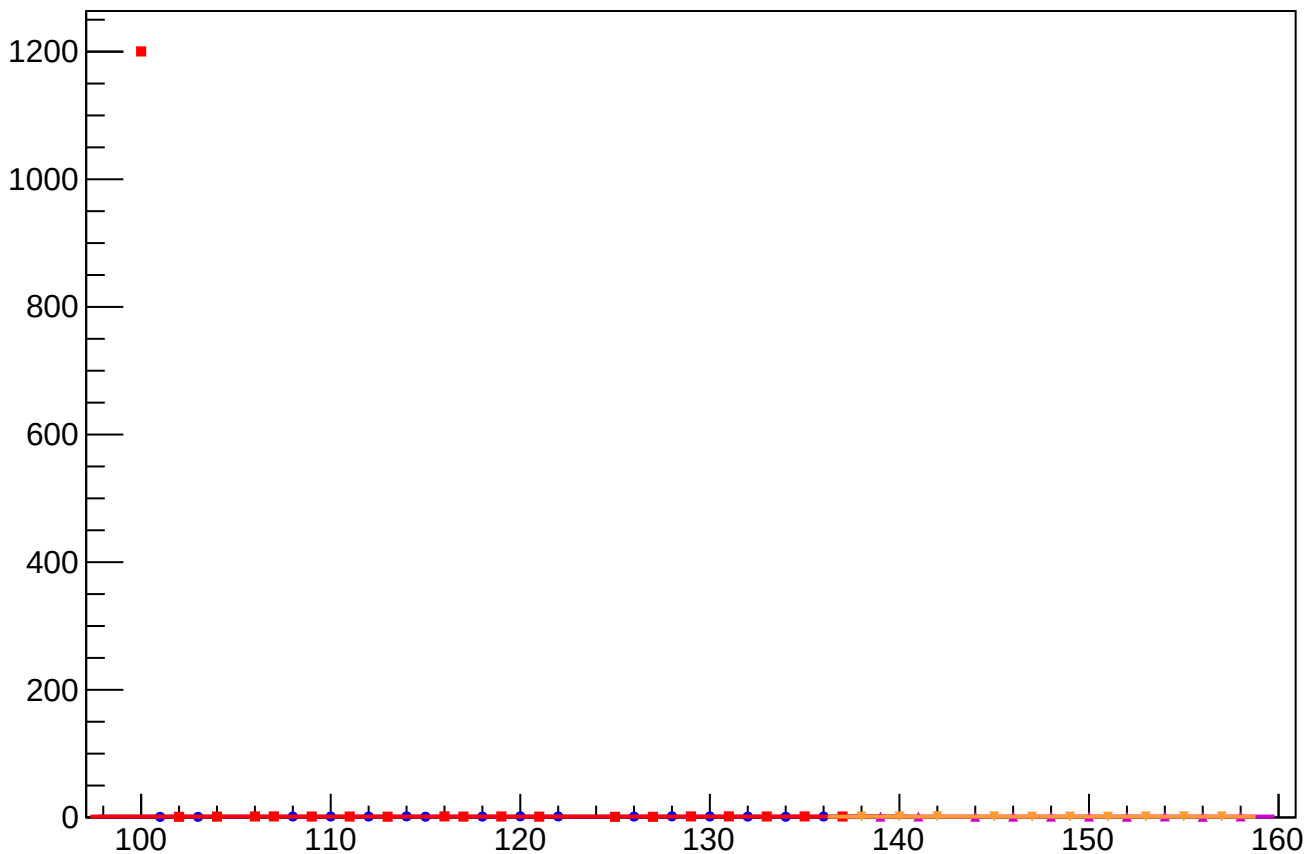
Right Out: -0.304 ± 0.547 χ^2/NDF : 12.6/18

Left In: -0.140 ± 0.521 χ^2/NDF : 4.9/9

0.301 ± 0.375 χ^2/NDF : 22.6/25

-0.218 ± 0.377 χ^2/NDF : 17.6/28

asym_ds_dd_correction_rms vs Slug



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

Left Out: 1.316 $\pm$ 0.000 χ^2/NDF : 219153.2/9

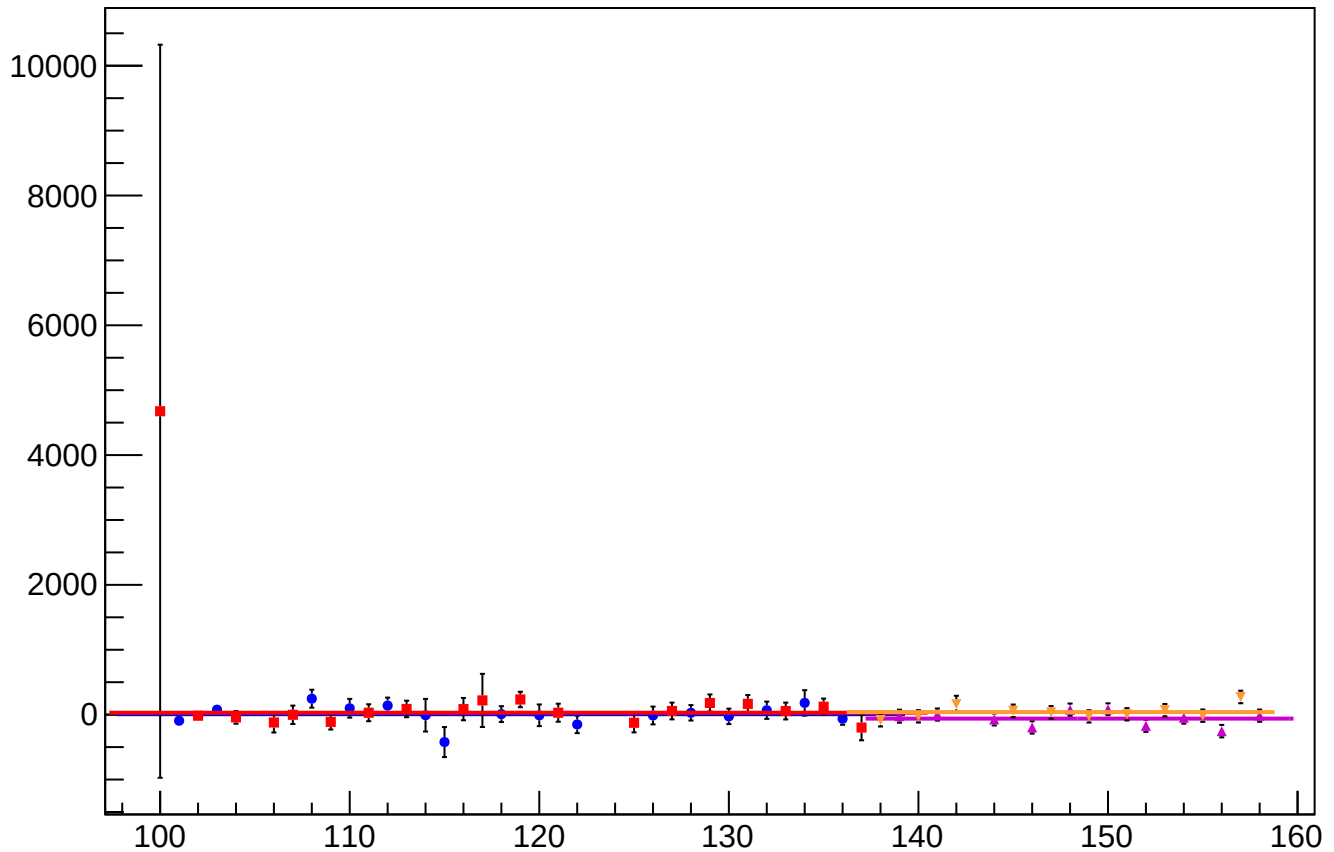
Right Out: 1.318 $\pm$ 0.000 χ^2/NDF : 521623.7/18

Left In: 1.365 $\pm$ 0.000 χ^2/NDF : 181664.6/9

1.277 $\pm$ 0.000 χ^2/NDF : 898987.4/25

1.342 $\pm$ 0.000 χ^2/NDF : 711159.9/28

asym_ds_dd_mean vs Slug



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

Left Out: 39.334 ± 31.221 χ^2/NDF : 9.7/9

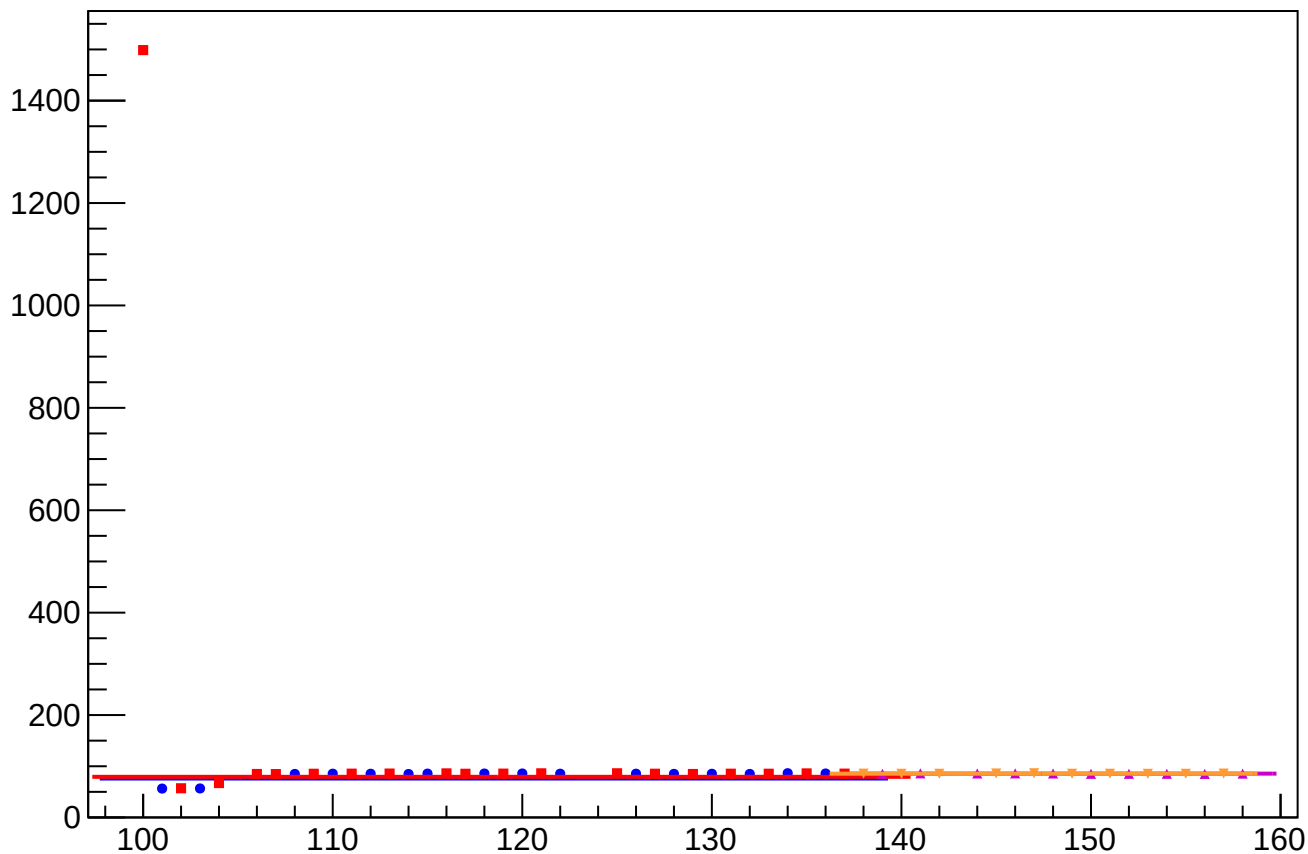
Right Out: 29.600 ± 30.353 χ^2/NDF : 12.9/18

Left In: -61.044 ± 29.889 χ^2/NDF : 12.8/9

22.396 ± 21.623 χ^2/NDF : 24.1/25

-16.420 ± 21.297 χ^2/NDF : 30.2/28

asym_ds_dd_rms vs Slug



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

Left Out: 85.495+/-0.022 χ^2/NDF : 225.9/9

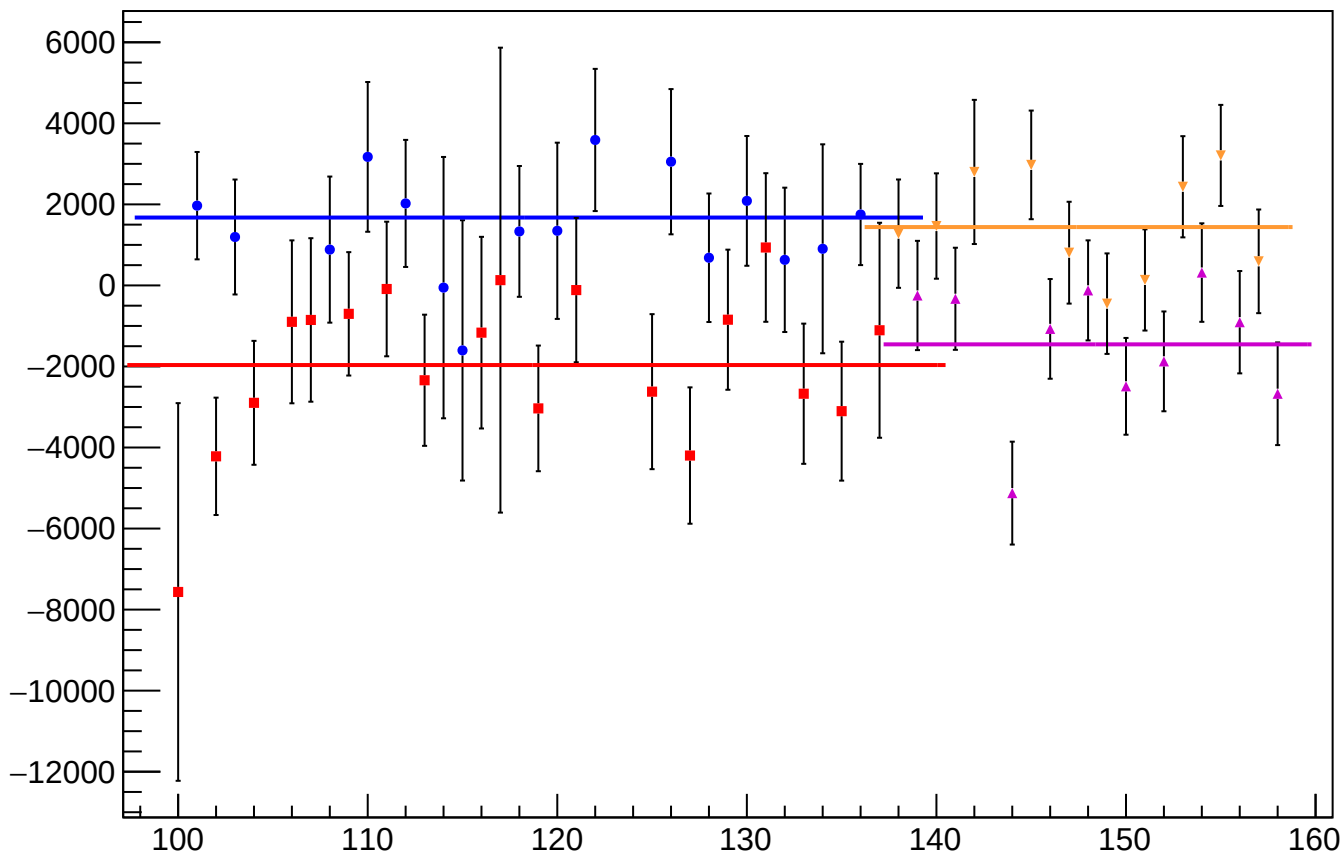
Right Out: 79.371+/-0.021 χ^2/NDF : 388057.0/18

Left In: 85.605+/-0.021 χ^2/NDF : 312.6/9

80.582+/-0.015 χ^2/NDF : 504375.4/25

82.536+/-0.015 χ^2/NDF : 431199.1/28

reg_asym_usl_mean vs Slug



Right In: 1674.993 +/- 430.597 χ^2/NDF : 5.1/15

Left Out: 1439.957 +/- 413.649 χ^2/NDF : 8.7/9

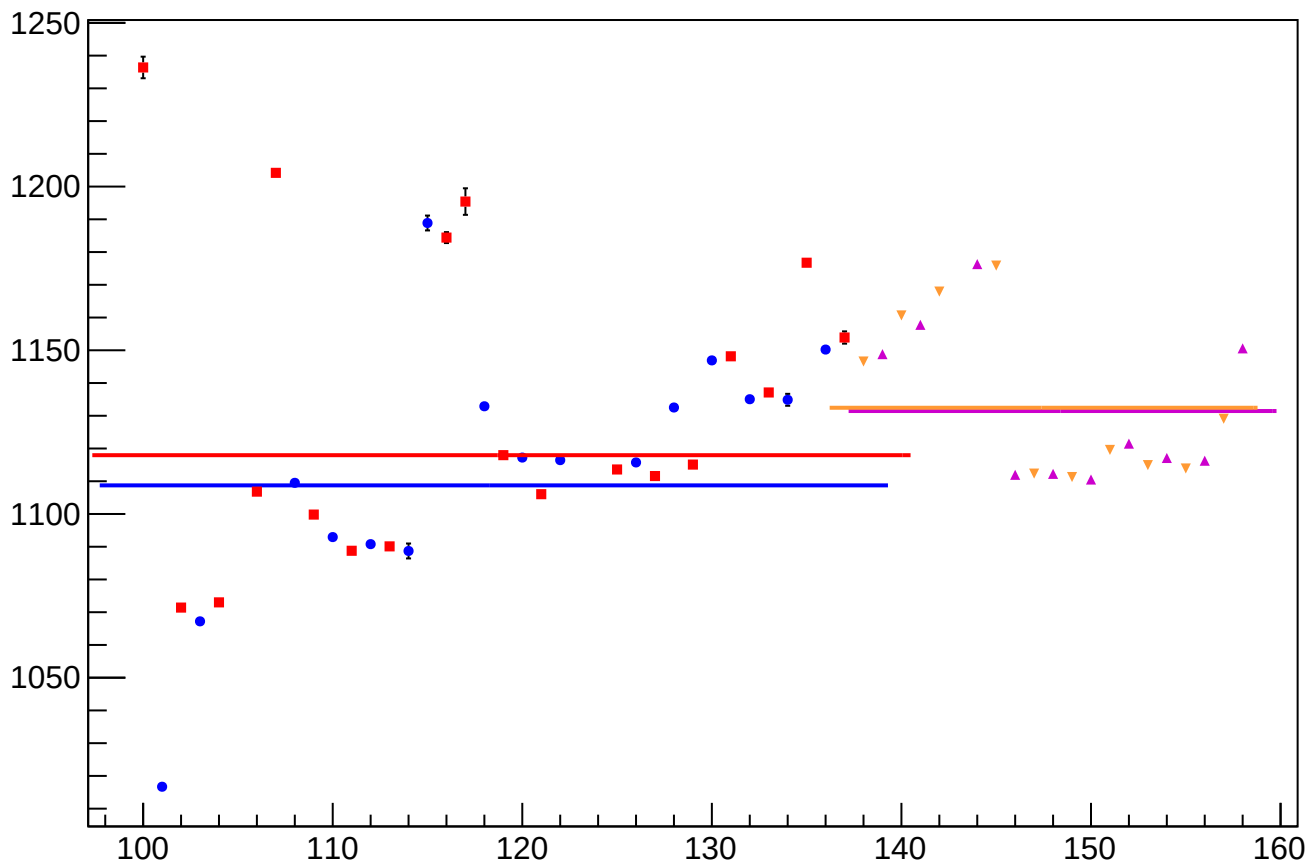
Right Out: -1964.936 +/- 421.265 χ^2/NDF : 14.2/18

Left In: -1454.325 +/- 395.116 χ^2/NDF : 15.3/9

1552.759 +/- 298.306 χ^2/NDF : 14.0/25

-1693.293 +/- 288.190 χ^2/NDF : 30.3/28

reg_asym_usl_rms vs Slug



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

Left Out: 1132.444+/-0.292 χ^2/NDF : 6215.9/9

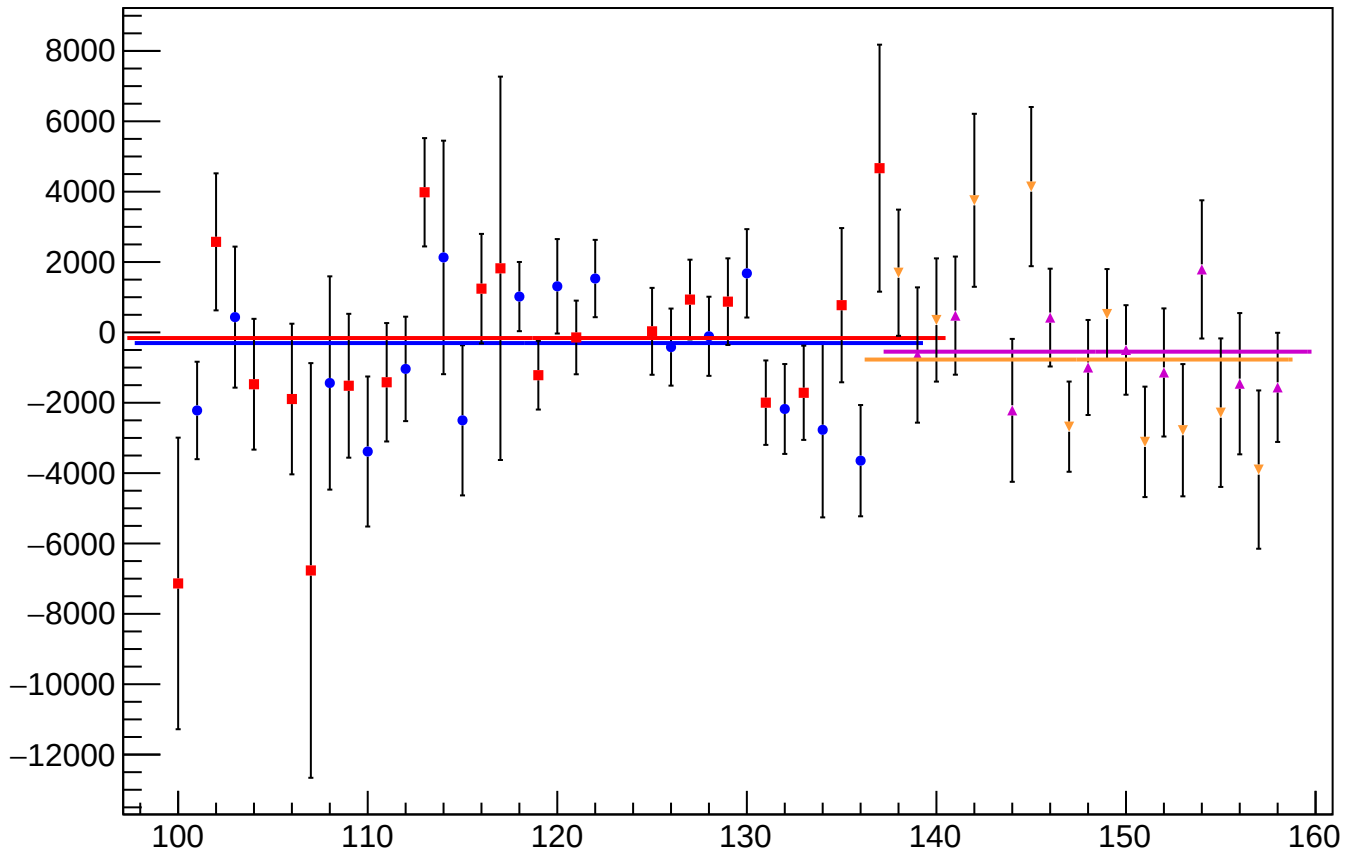
Right Out: 1117.959+/-0.298 χ^2/NDF : 15881.8/18

Left In: 1131.448+/-0.279 χ^2/NDF : 6457.9/9

1121.068+/-0.211 χ^2/NDF : 27449.0/25

1125.135+/-0.204 χ^2/NDF : 23430.5/28

asym_usl_correction_mean vs Slug



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

Left Out: -771.669 ± 548.039 χ^2/NDF : 19.5/9

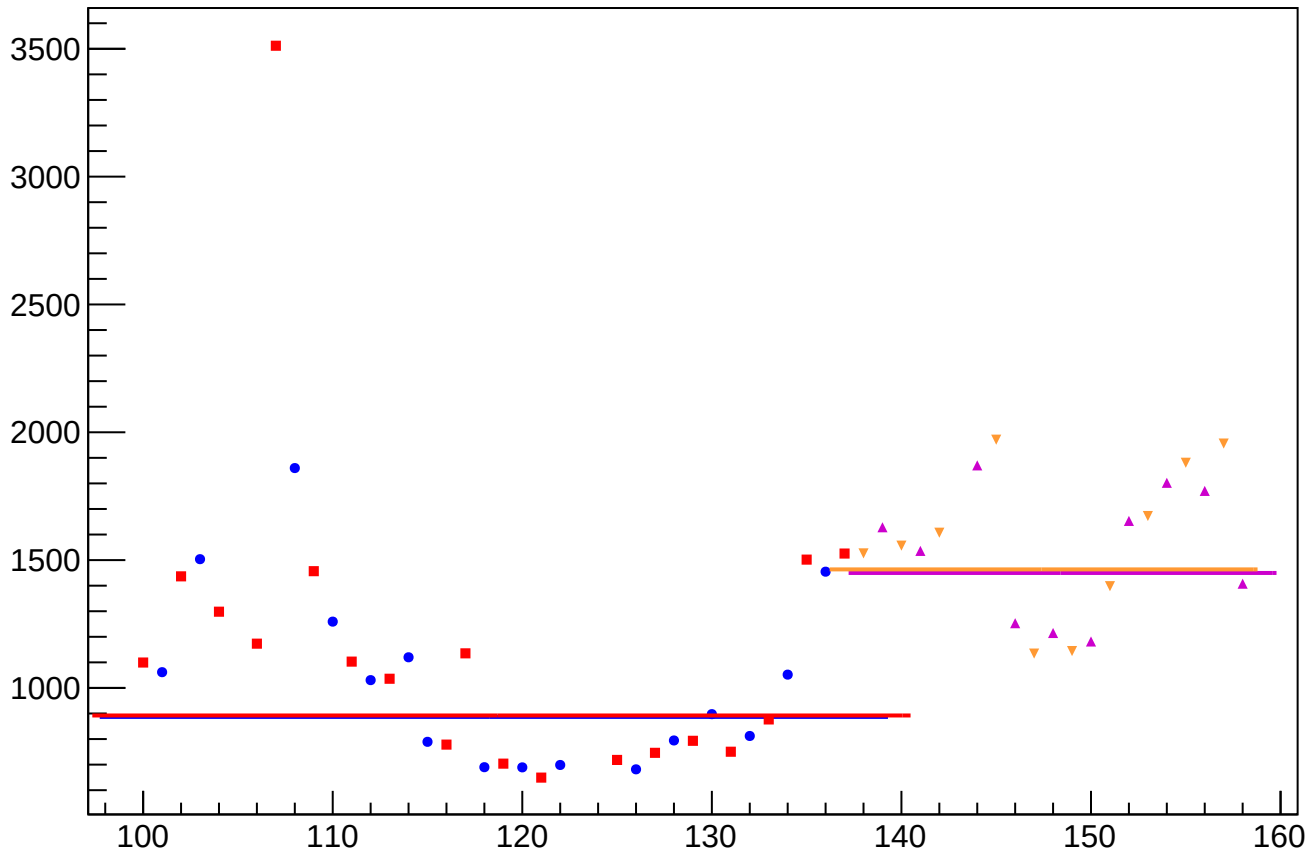
Right Out: -160.376 ± 355.478 χ^2/NDF : 25.0/18

Left In: -548.191 ± 514.663 χ^2/NDF : 3.8/9

-444.544 ± 300.929 χ^2/NDF : 42.3/25

-285.633 ± 292.491 χ^2/NDF : 29.2/28

asym_usl_correction_rms vs Slug



Right In: 886.691 $\pm$ 0.255 χ^2/NDF : 1060864.2/15

Left Out: 1463.658 $\pm$ 0.388 χ^2/NDF : 574437.7/9

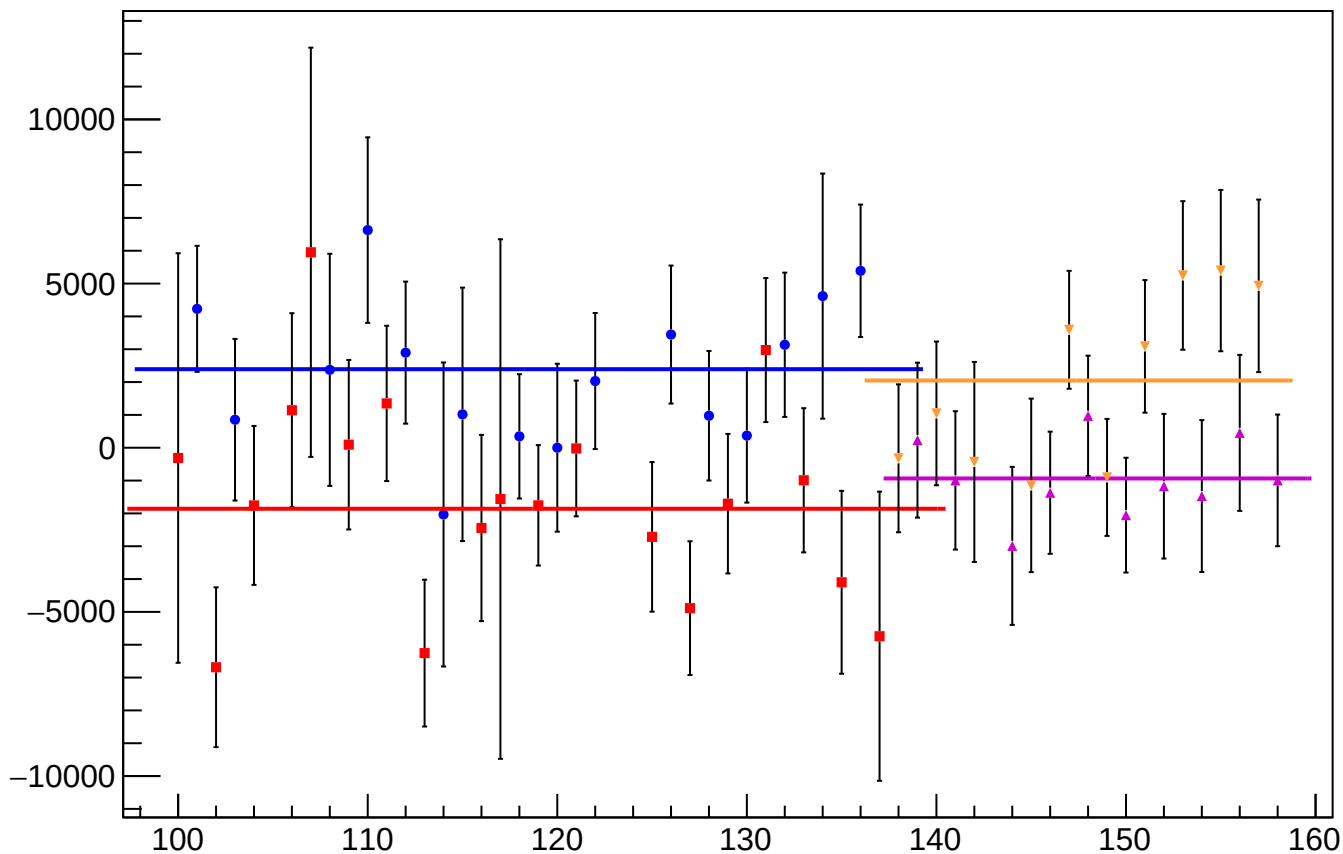
Right Out: 892.236 $\pm$ 0.251 χ^2/NDF : 1418185.6/18

Left In: 1449.727 $\pm$ 0.364 χ^2/NDF : 439650.1/9

1060.654 $\pm$ 0.213 χ^2/NDF : 3183648.1/25

1072.295 $\pm$ 0.207 χ^2/NDF : 3446599.4/28

asym_usl_mean vs Slug



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

Left Out: 2048.018 $\pm$ 701.340 χ^2 /NDF:12.2/9

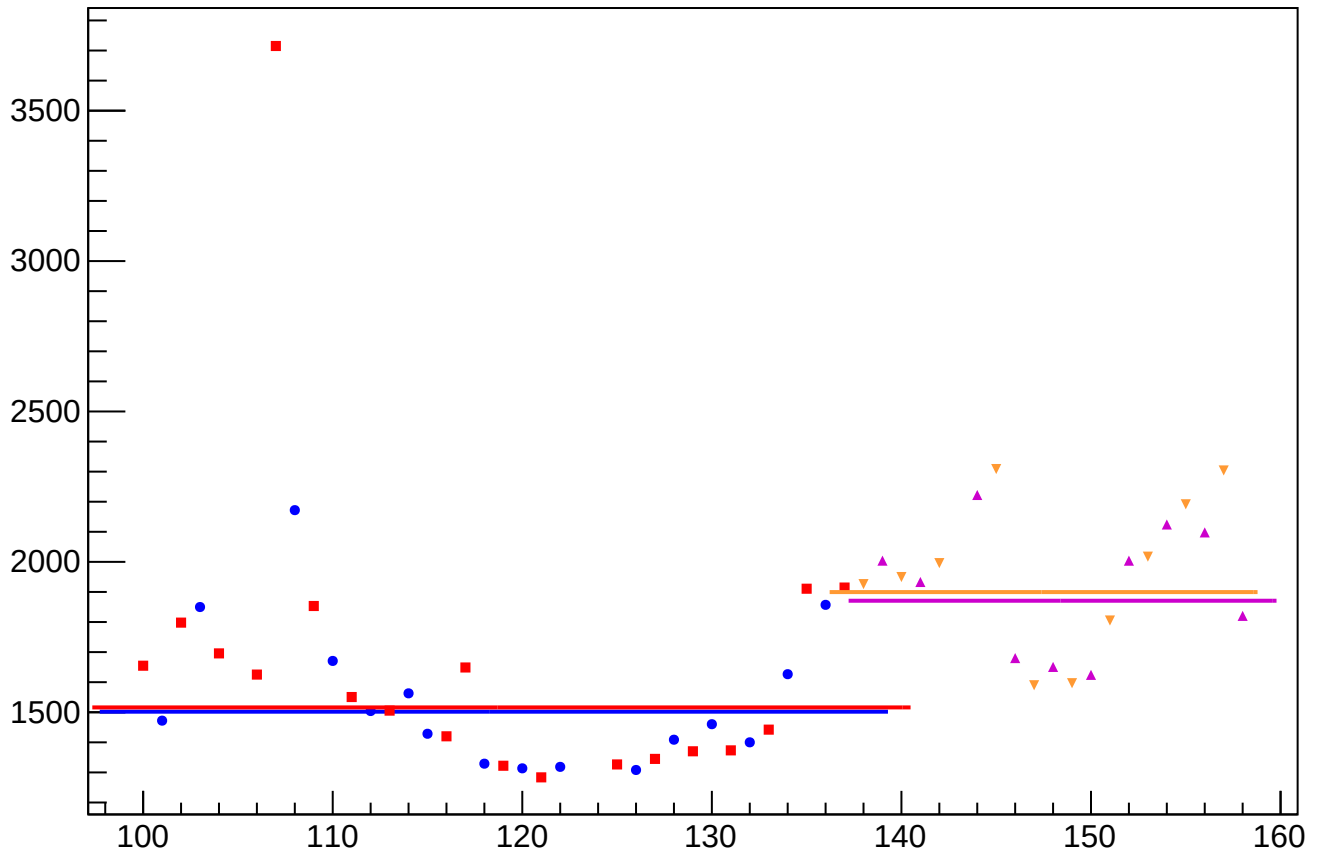
Right Out: -1858.263 $\pm$ 581.542 χ^2 /NDF: 22.5/18

Left In: -935.774 $\pm$ 657.933 χ^2 /NDF:2.9/9

2249.960 $\pm$ 451.036 χ^2 /NDF: 23.5/25

-1453.658 $\pm$ 435.729 χ^2 /NDF: 26.5/28

asym_usl_rms vs Slug



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

Left Out: 1899.564+/-0.496 χ^2/NDF :253929.1/9

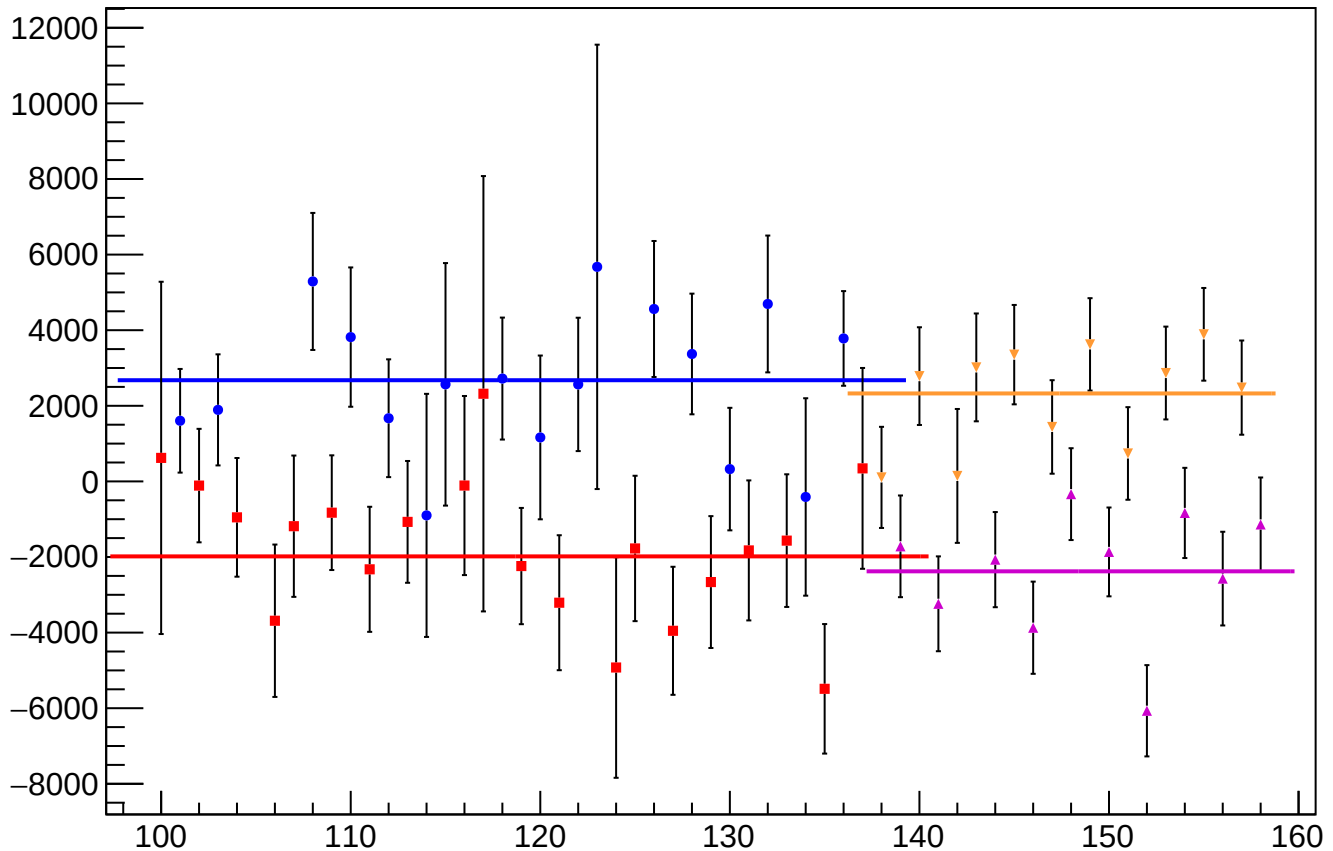
Right Out: 1516.127+/-0.411 χ^2/NDF : 480325.9/18

Left In: 1870.787+/-0.465 χ^2/NDF :191276.9/9

1666.389+/-0.319 χ^2/NDF : 885468.6/25

1671.681+/-0.308 χ^2/NDF : 997861.1/28

reg_asym_usr_mean vs Slug



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

Left Out: 2326.806 $\pm$ 391.986 χ^2 /NDF:10.4/10

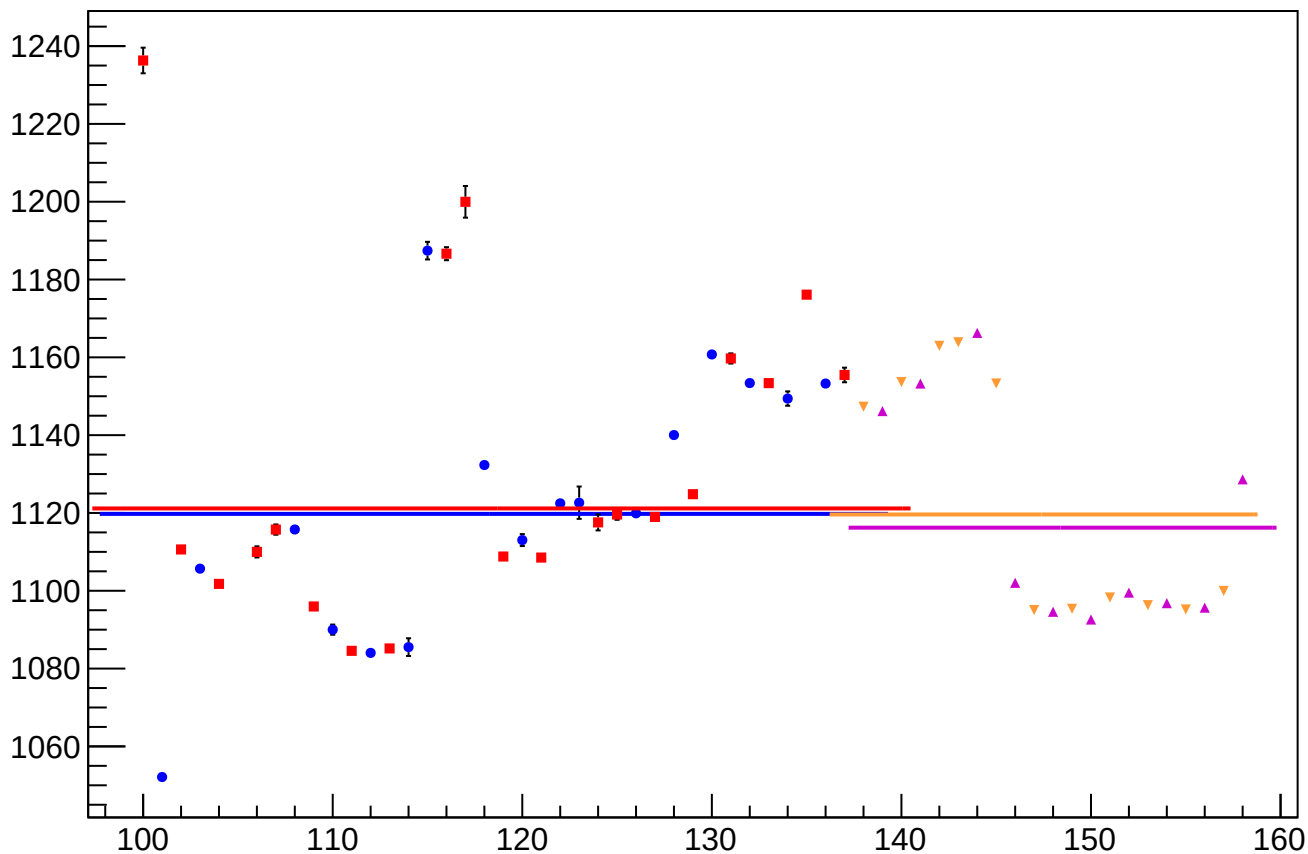
Right Out: -1983.779 $\pm$ 418.059 χ^2 /NDF: 13.4/19

Left In: -2379.077 $\pm$ 389.832 χ^2 /NDF:17.3/9

2484.161 $\pm$ 290.773 χ^2 /NDF: 23.3/27

-2195.222 $\pm$ 285.110 χ^2 /NDF: 31.2/29

reg_asym_usr_rms vs Slug



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

Left Out: 1119.614 ± 0.277 χ^2/NDF : 10875.0/10

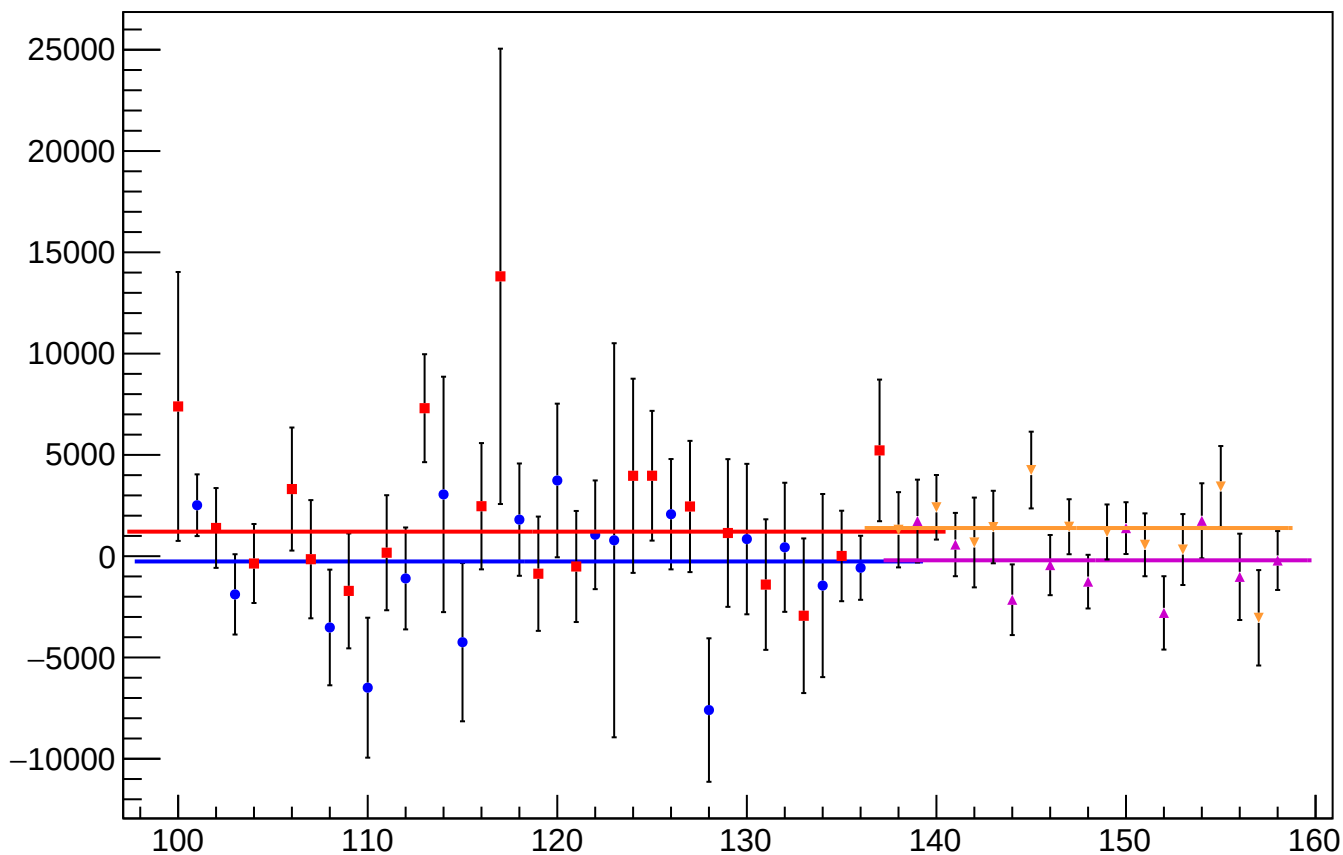
Right Out: 1121.164 ± 0.296 χ^2/NDF : 10310.8/19

Left In: 1116.219 ± 0.276 χ^2/NDF : 9272.1/9

1119.681 ± 0.206 χ^2/NDF : 22752.0/27

1118.518 ± 0.202 χ^2/NDF : 19732.6/29

asym_usr_correction_mean vs Slug



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

Left Out: 1390.017 ± 517.460 $\chi^2/\text{NDF}: 8.1/10$

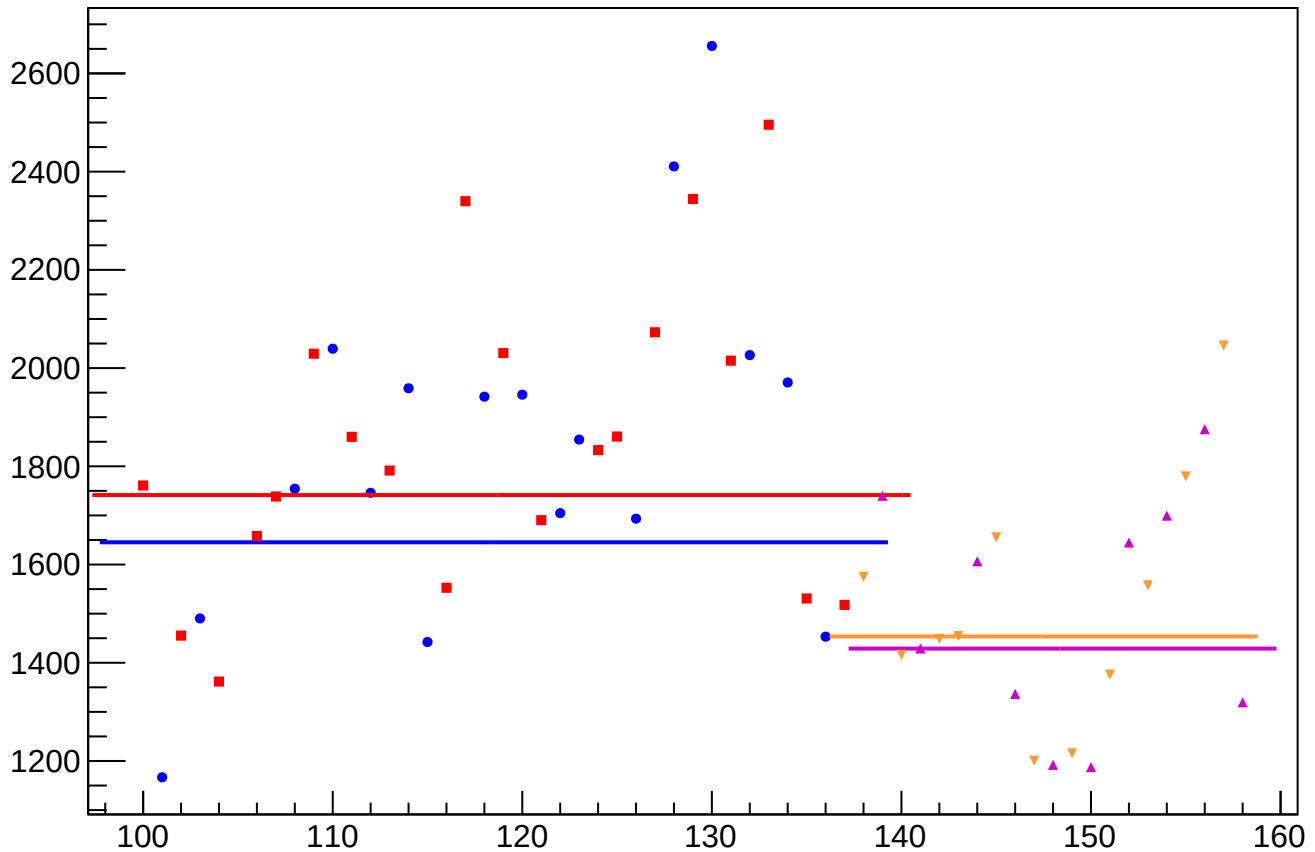
Right Out: 1211.378 ± 661.281 $\chi^2/\text{NDF}: 15.7/19$

Left In: -203.677 ± 506.253 $\chi^2/\text{NDF}: 7.9/9$

756.340 ± 406.104 $\chi^2/\text{NDF}: 29.2/27$

319.212 ± 401.980 $\chi^2/\text{NDF}: 26.5/29$

asym_usr_correction_rms vs Slug



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

Left Out: 1453.520 ± 0.366 χ^2/NDF : 355007.8/10

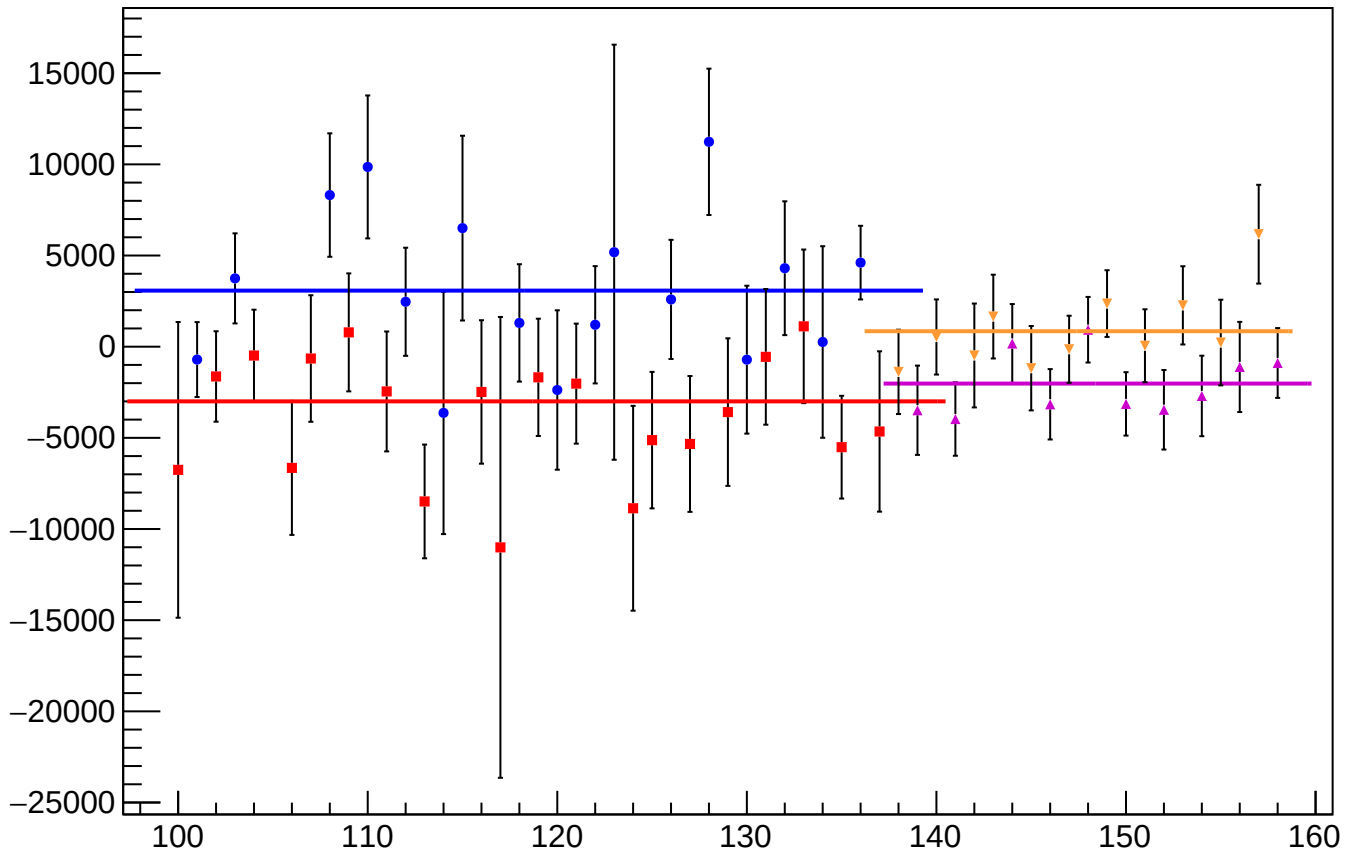
Right Out: 1741.460 ± 0.468 χ^2/NDF : 376702.2/19

Left In: 1428.873 ± 0.358 χ^2/NDF : 380259.1/9

1527.182 ± 0.287 χ^2/NDF : 1061444.2/27

1544.380 ± 0.284 χ^2/NDF : 1038717.4/29

asym_usr_mean vs Slug



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

Left Out: 848.195+/-659.192 χ^2/NDF : 7.6/10

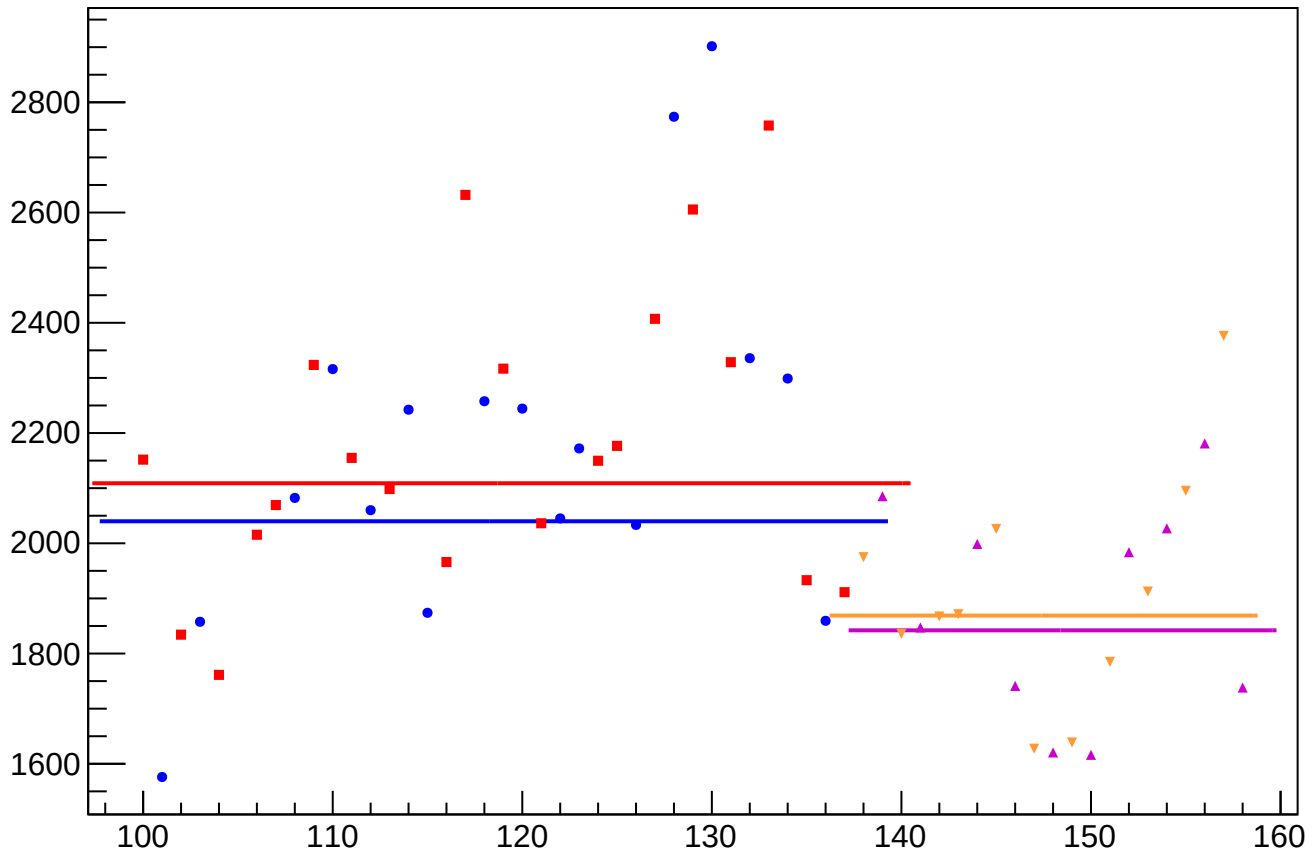
Right Out: -2999.277+/-794.066 χ^2/NDF : 12.3/19

Left In: -2022.962+/-647.240 χ^2/NDF : 6.8/9

1745.851+/-509.312 χ^2/NDF : 30.8/27

-2412.683+/-501.694 χ^2/NDF : 20.0/29

asym_usr_rms vs Slug



Right In: 2039.942+/-0.567 χ^2/NDF : 331984.0/16

Left Out: 1868.902+/-0.466 χ^2/NDF :173178.2/10

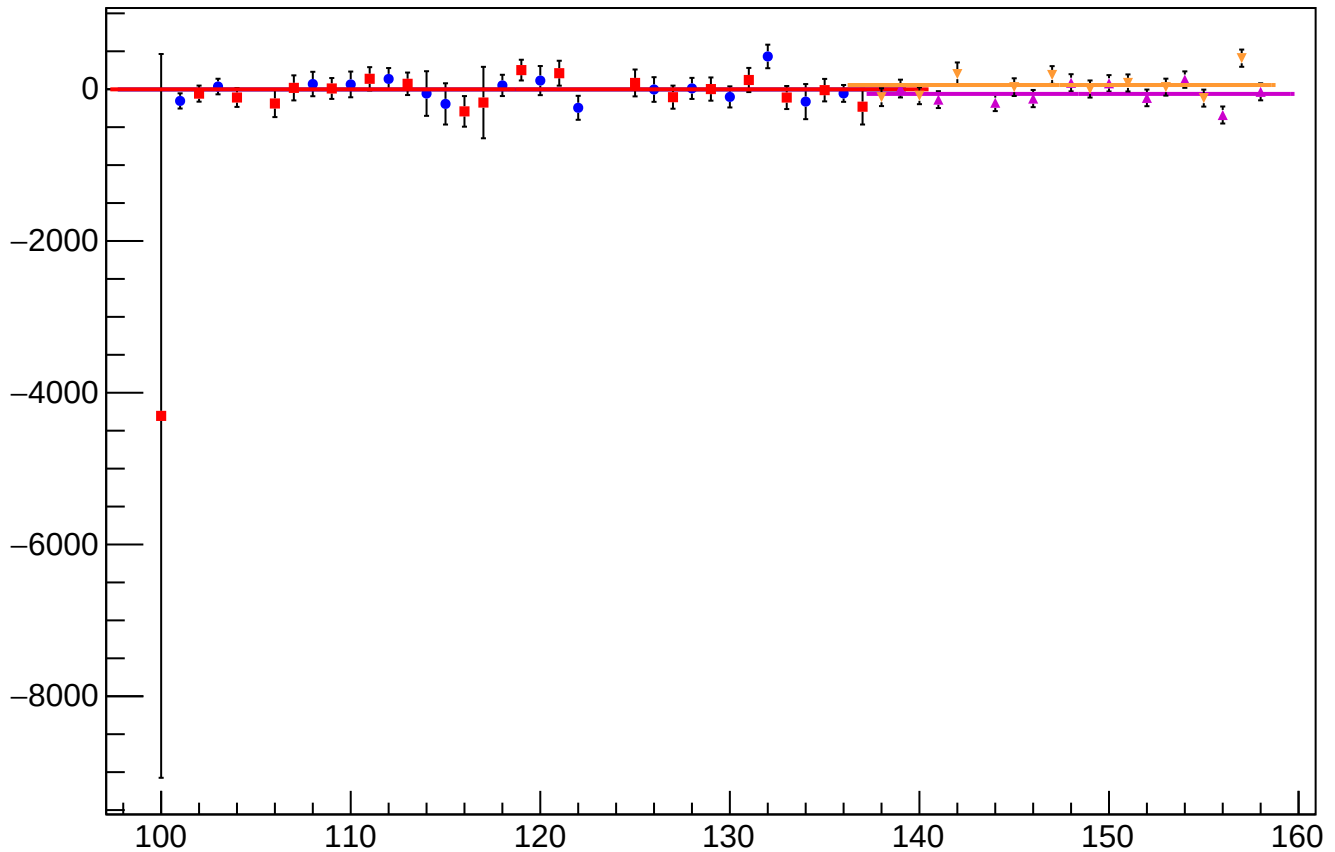
Right Out: 2108.906+/-0.561 χ^2/NDF : 198889.3/19

Left In: 1842.124+/-0.458 χ^2/NDF :165751.5/9

1937.838+/-0.360 χ^2/NDF : 559430.8/27

1948.617+/-0.355 χ^2/NDF : 500277.4/29

reg_asym_dsl_mean vs Slug



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

Left Out: 55.515 ± 36.790 χ^2/NDF : 18.1/9

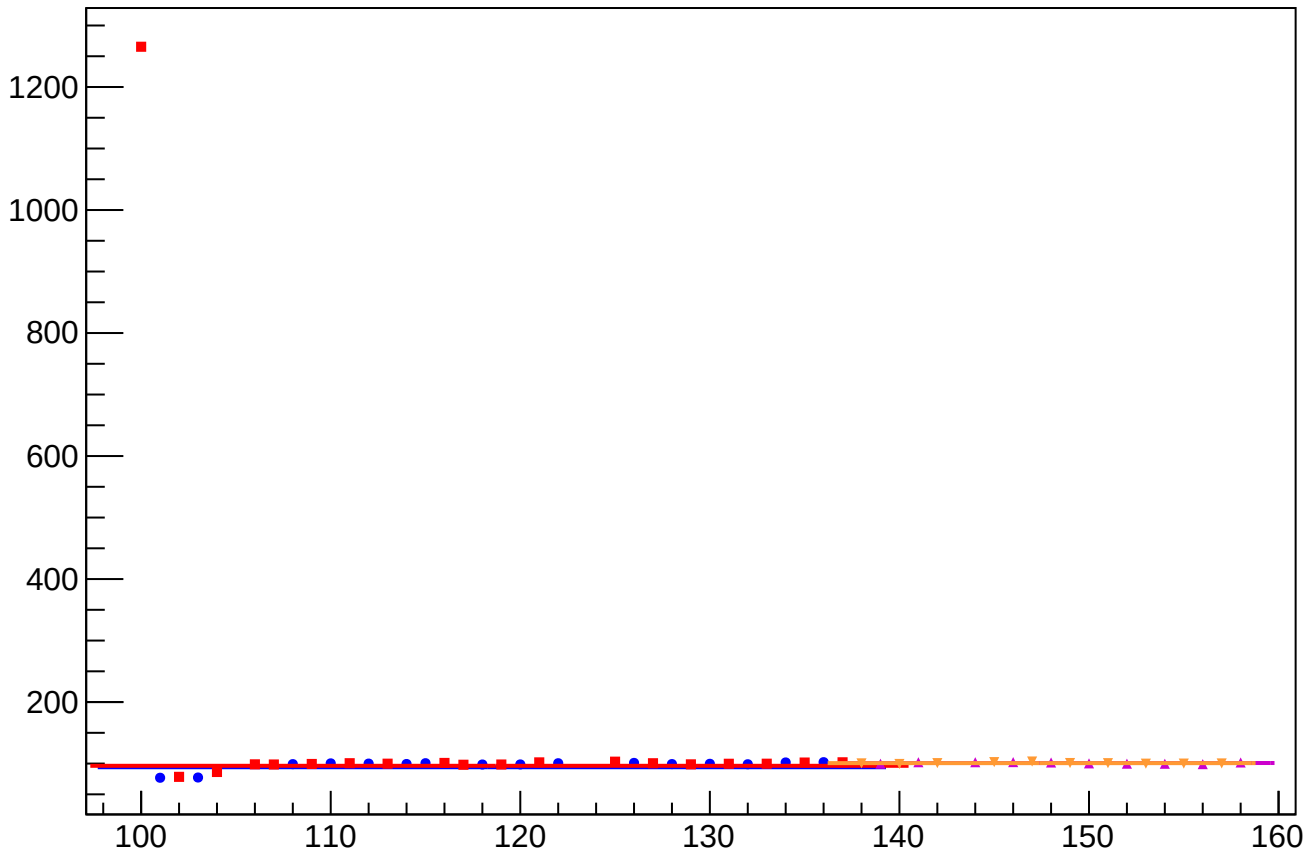
Right Out: -1.545 ± 36.588 χ^2/NDF : 14.1/18

Left In: -61.772 ± 35.239 χ^2/NDF : 15.0/9

26.055 ± 25.988 χ^2/NDF : 35.6/25

-32.788 ± 25.381 χ^2/NDF : 30.5/28

reg_asym_dsl_rms vs Slug



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

Left Out: 100.739+/-0.026 χ^2/NDF : 1967.1/9

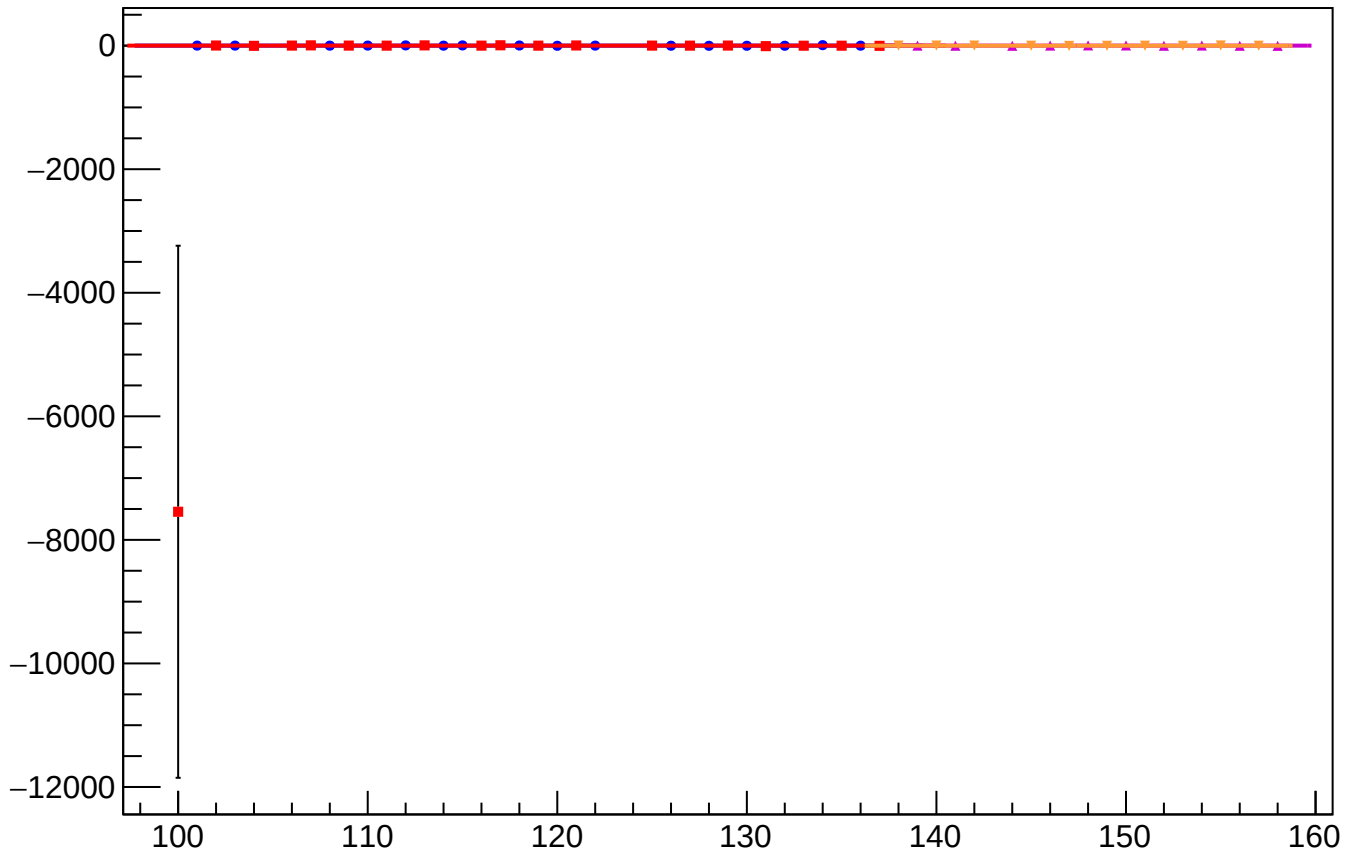
Right Out: 96.383+/-0.026 χ^2/NDF : 209255.3/18

Left In: 100.922+/-0.025 χ^2/NDF : 2318.6/9

97.397+/-0.018 χ^2/NDF : 187194.7/25

98.738+/-0.018 χ^2/NDF : 227546.8/28

asym_dsl_correction_mean vs Slug



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

-0.032+/-0.442 χ^2/NDF : 21.8/25

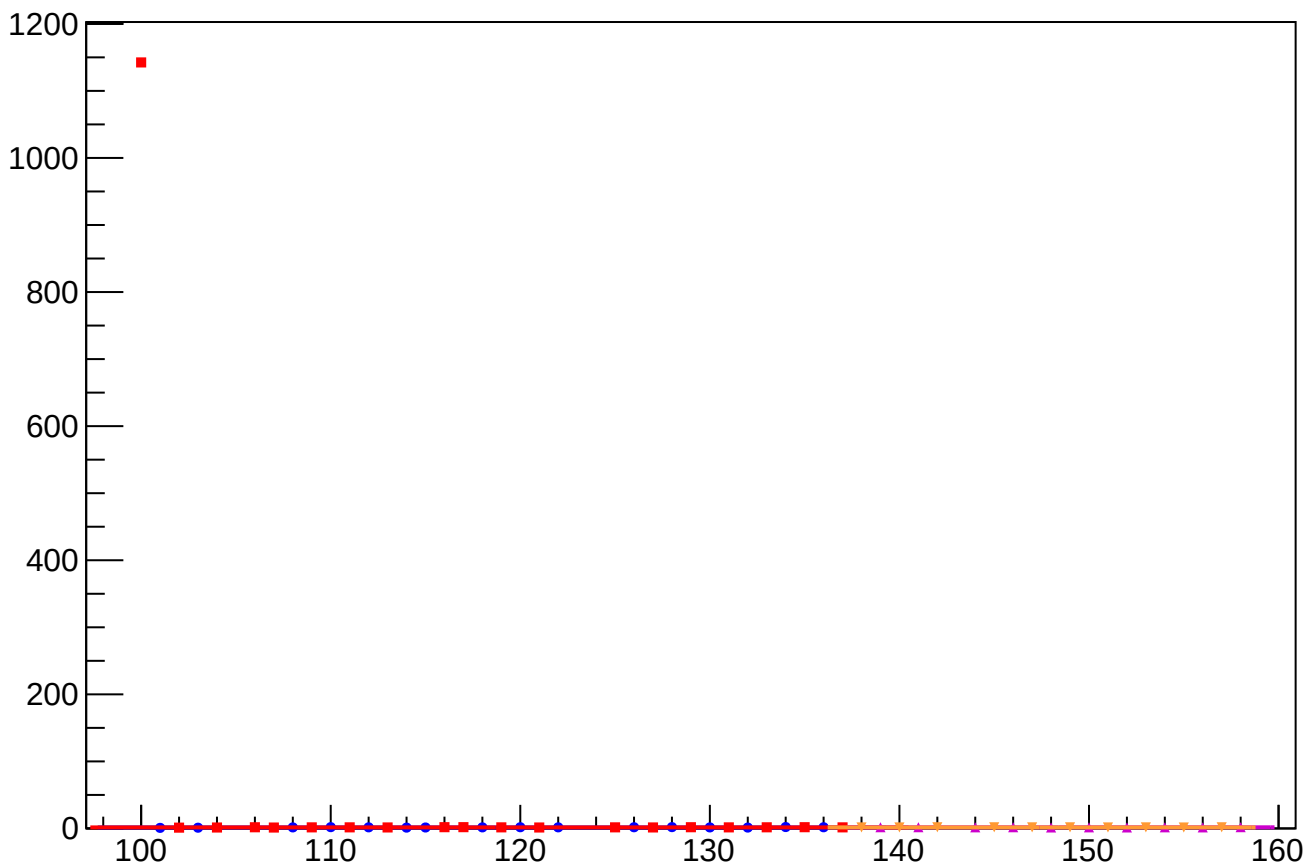
Left Out: -0.518+/-0.634 χ^2/NDF : 11.0/9

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

0.295+/-0.453 χ^2/NDF : 36.5/28

Left In: 0.255+/-0.639 χ^2/NDF : 13.4/9

asym_dsl_correction_rms vs Slug



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

Left Out: 1.596+/-0.000 χ^2/NDF : 51253.7/9

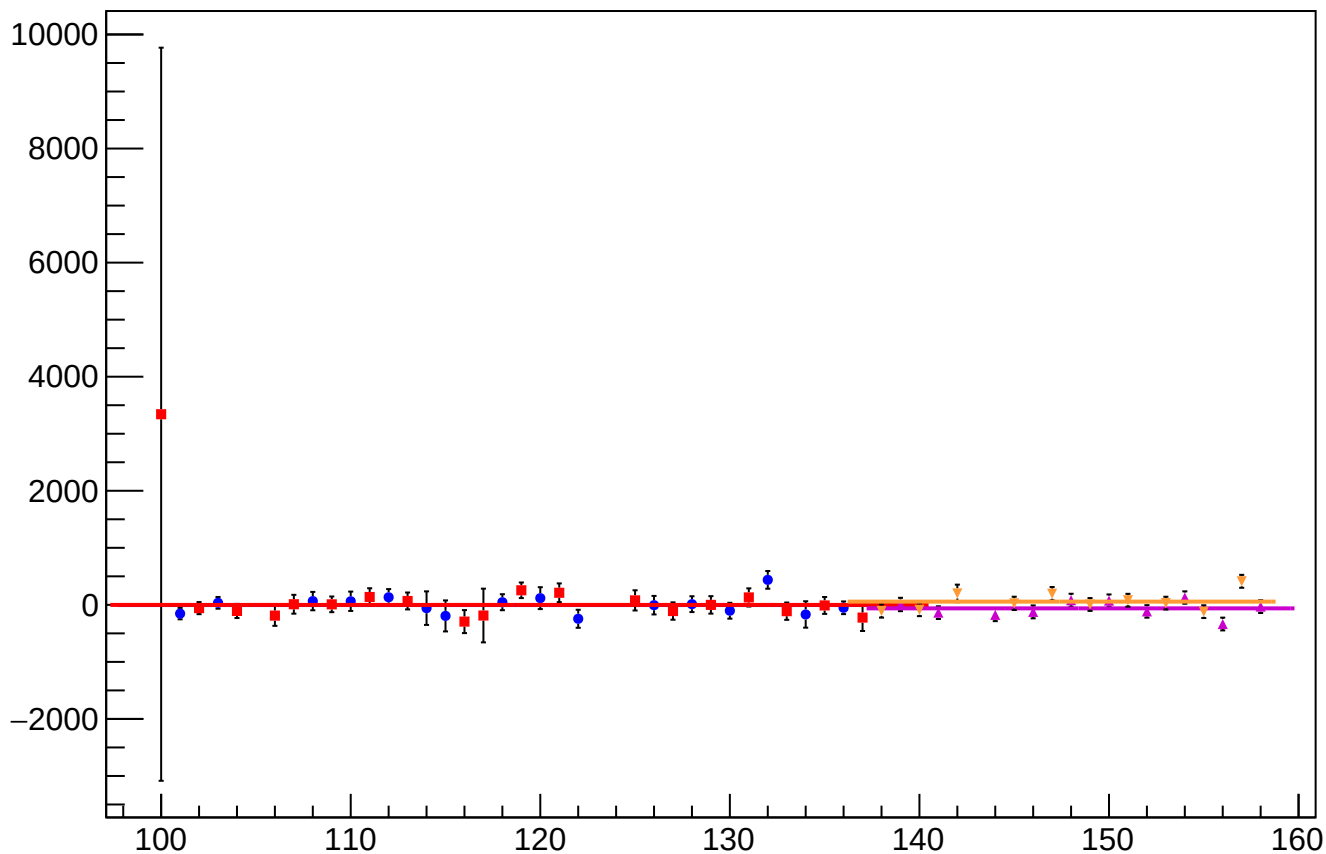
Right Out: 1.557+/-0.000 χ^2/NDF : 318750.9/18

Left In: 1.701+/-0.000 χ^2/NDF : 97407.5/9

1.505+/-0.000 χ^2/NDF : 861520.3/25

1.629+/-0.000 χ^2/NDF : 466359.6/28

asym_dsl_mean vs Slug



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

Left Out: 56.731 ± 36.800 χ^2/NDF : 18.6/9

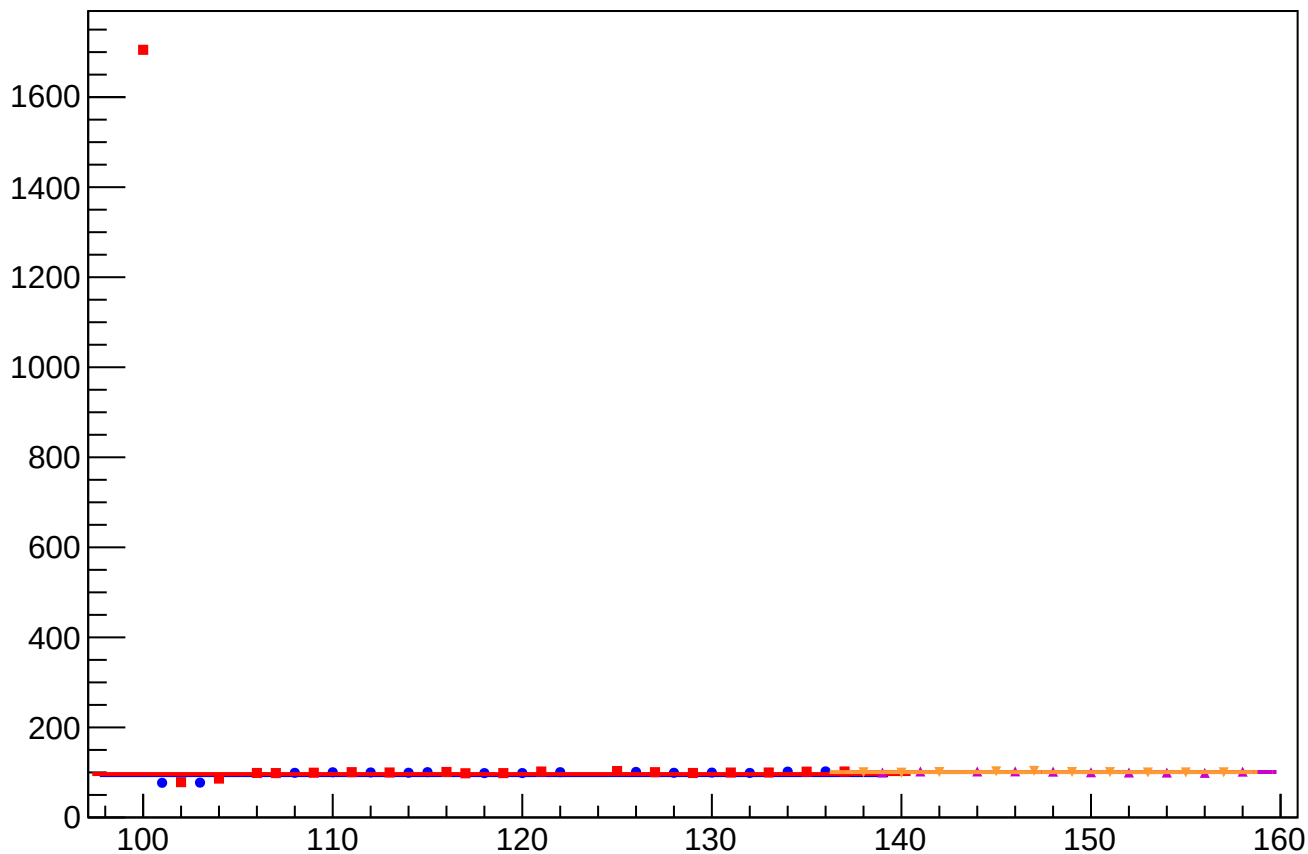
Right Out: -1.300 ± 36.598 χ^2/NDF : 13.7/18

Left In: -61.647 ± 35.249 χ^2/NDF : 14.7/9

26.754 ± 25.994 χ^2/NDF : 36.2/25

-32.606 ± 25.388 χ^2/NDF : 29.8/28

asym_dsl_rms vs Slug



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

Left Out: 100.765 ± 0.026 χ^2/NDF : 1965.9/9

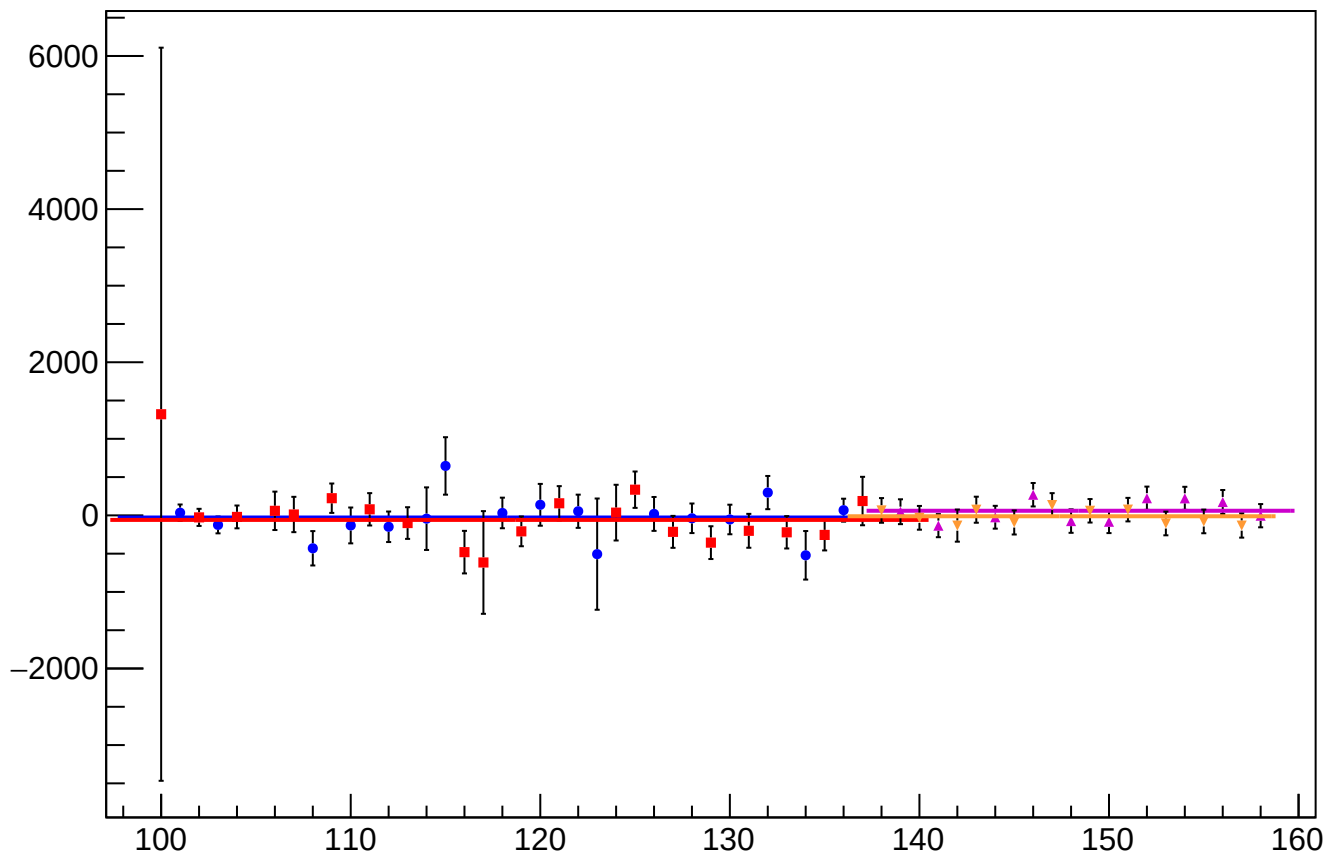
Right Out: 96.391 ± 0.026 χ^2/NDF : 214389.8/18

Left In: 100.950 ± 0.025 χ^2/NDF : 2318.8/9

97.422 ± 0.018 χ^2/NDF : 187215.1/25

98.756 ± 0.018 χ^2/NDF : 232803.0/28

reg_asym_dsr_mean vs Slug



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

Left Out: -11.600 ± 48.332 $\chi^2/\text{NDF}: 3.7/10$

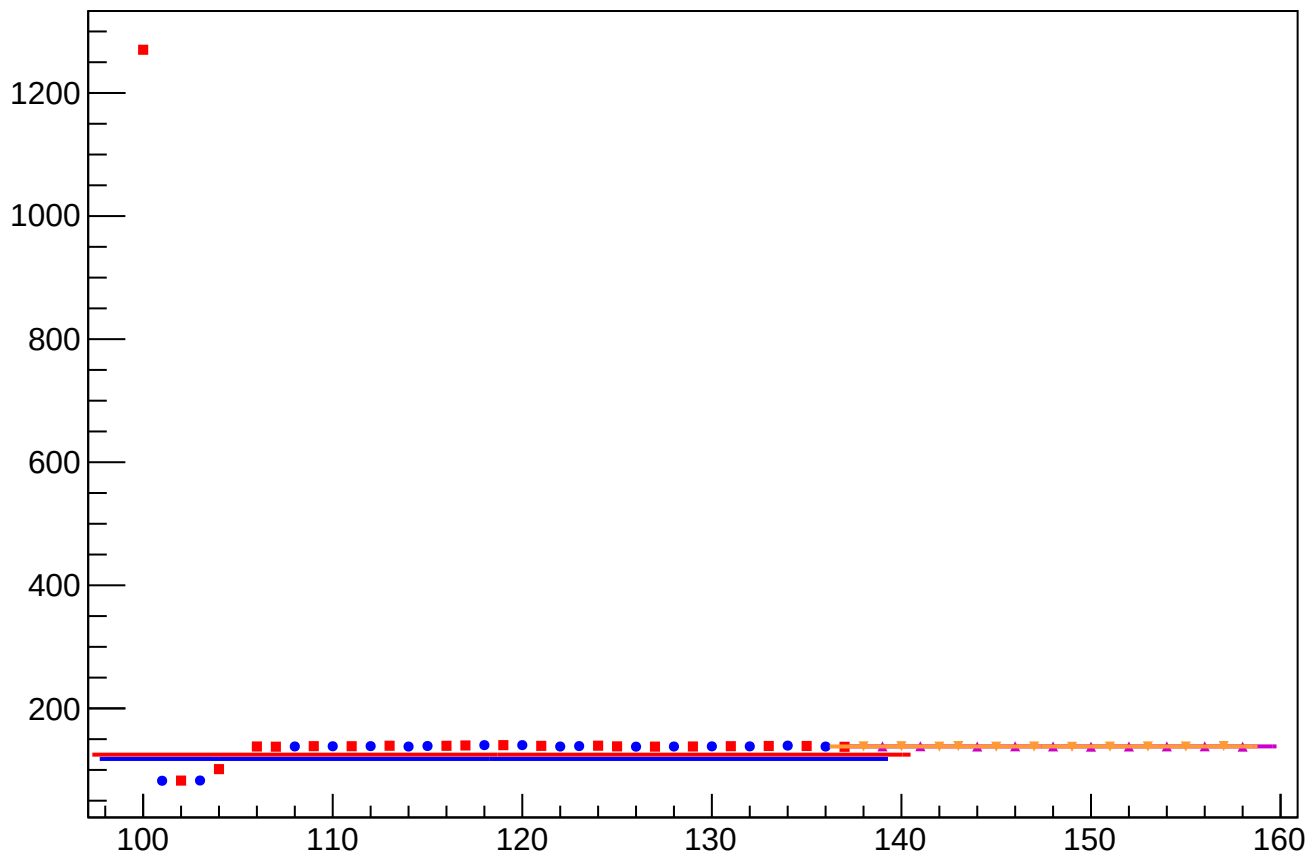
Right Out: -59.211 ± 47.588 $\chi^2/\text{NDF}: 15.6/19$

Left In: 60.286 ± 48.263 $\chi^2/\text{NDF}: 8.6/9$

-19.986 ± 33.613 $\chi^2/\text{NDF}: 18.0/27$

-0.304 ± 33.886 $\chi^2/\text{NDF}: 27.3/29$

reg_asym_dsr_rms vs Slug



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

Left Out: 138.099+/-0.034 χ^2/NDF :135.0/10

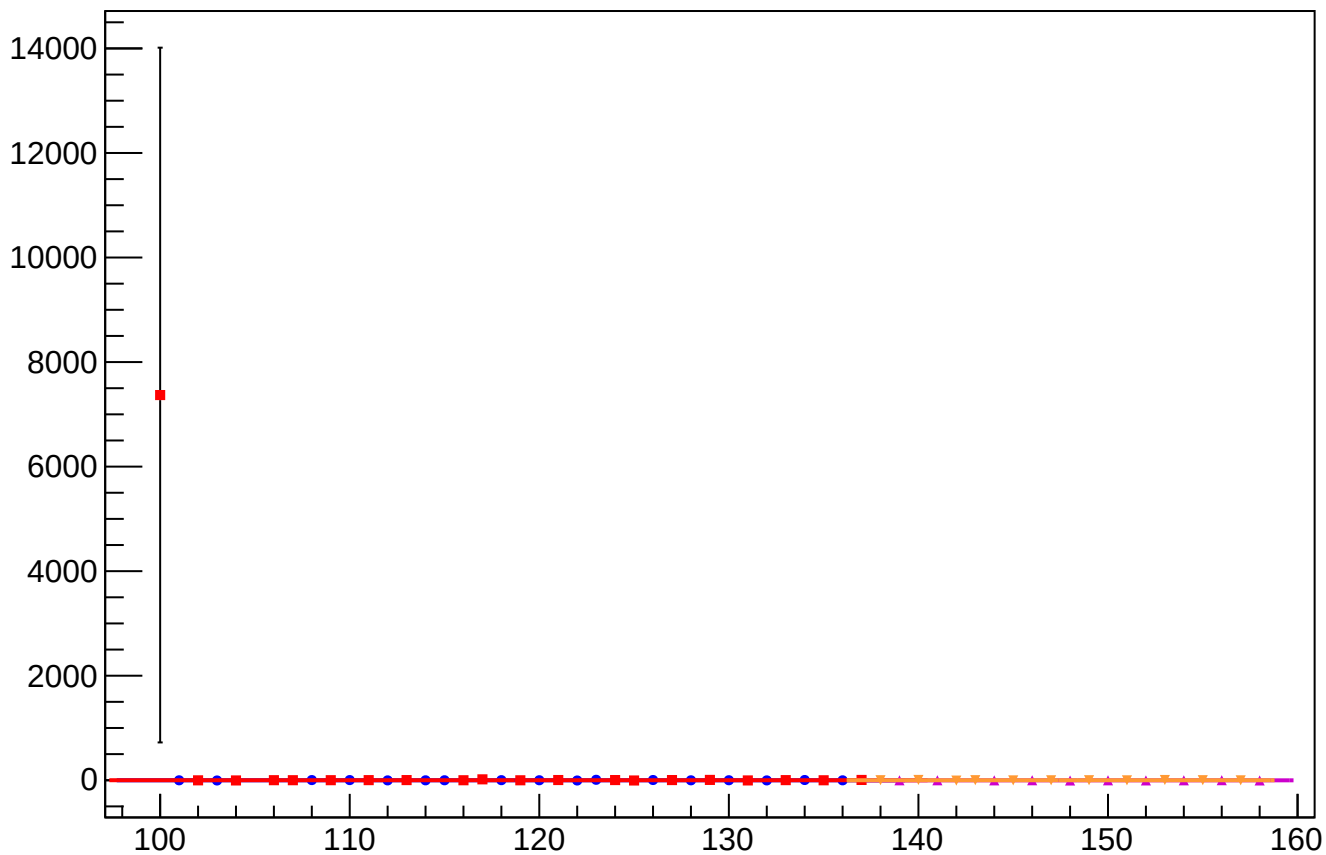
Right Out: 124.839+/-0.034 χ^2/NDF : 570766.0/19

Left In: 138.223+/-0.034 χ^2/NDF :41.5/9

127.625+/-0.024 χ^2/NDF : 848604.8/27

131.437+/-0.024 χ^2/NDF : 648800.5/29

asym_dsr_correction_mean vs Slug



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

-0.191 ± 0.575 χ^2/NDF : 25.7/27

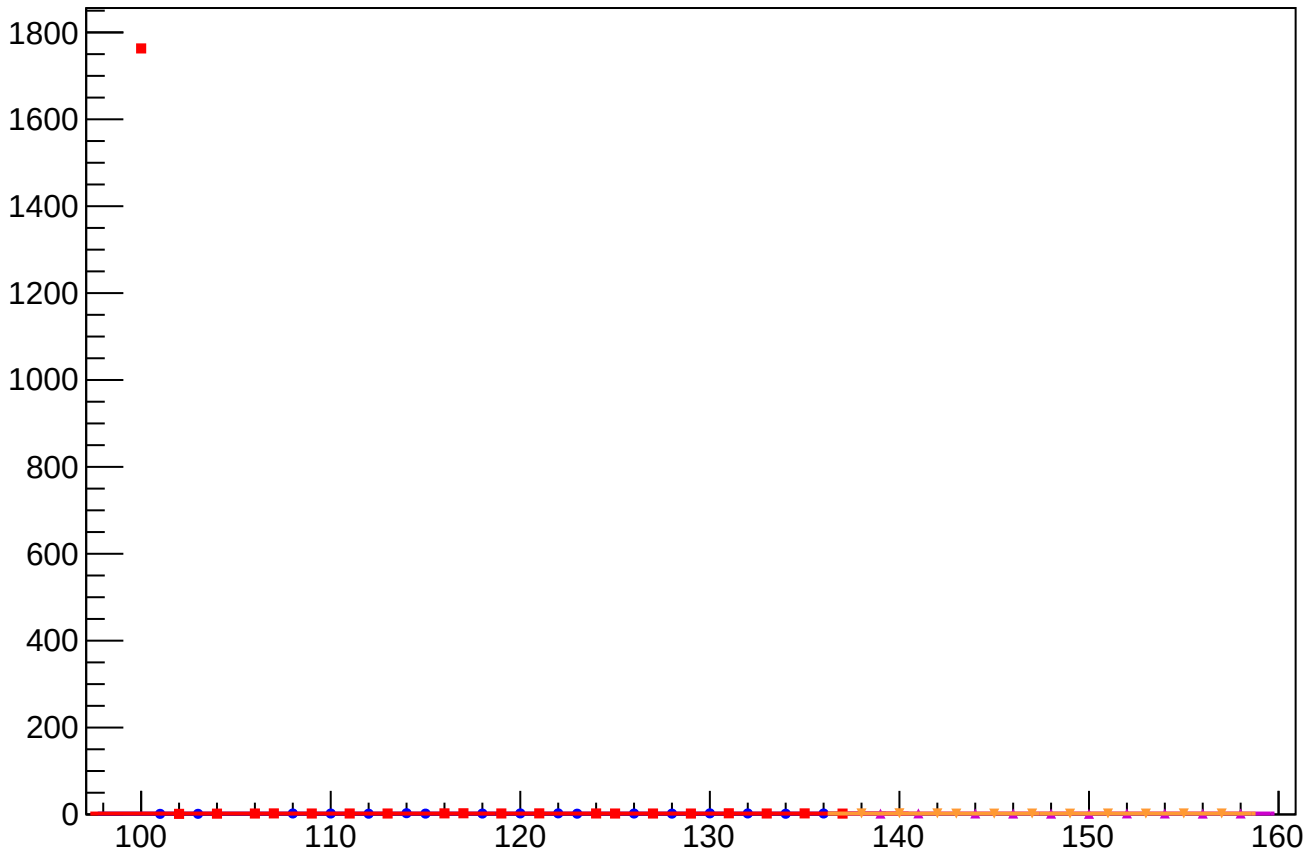
Left Out: 0.321 ± 0.815 χ^2/NDF : 12.3/10

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

-0.377 ± 0.589 χ^2/NDF : 22.6/29

Left In: -1.390 ± 0.816 χ^2/NDF : 4.1/9

asym_dsr_correction_rms vs Slug



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

Left Out: 2.125 $\pm$ 0.001 χ^2 /NDF: 155529.5/10

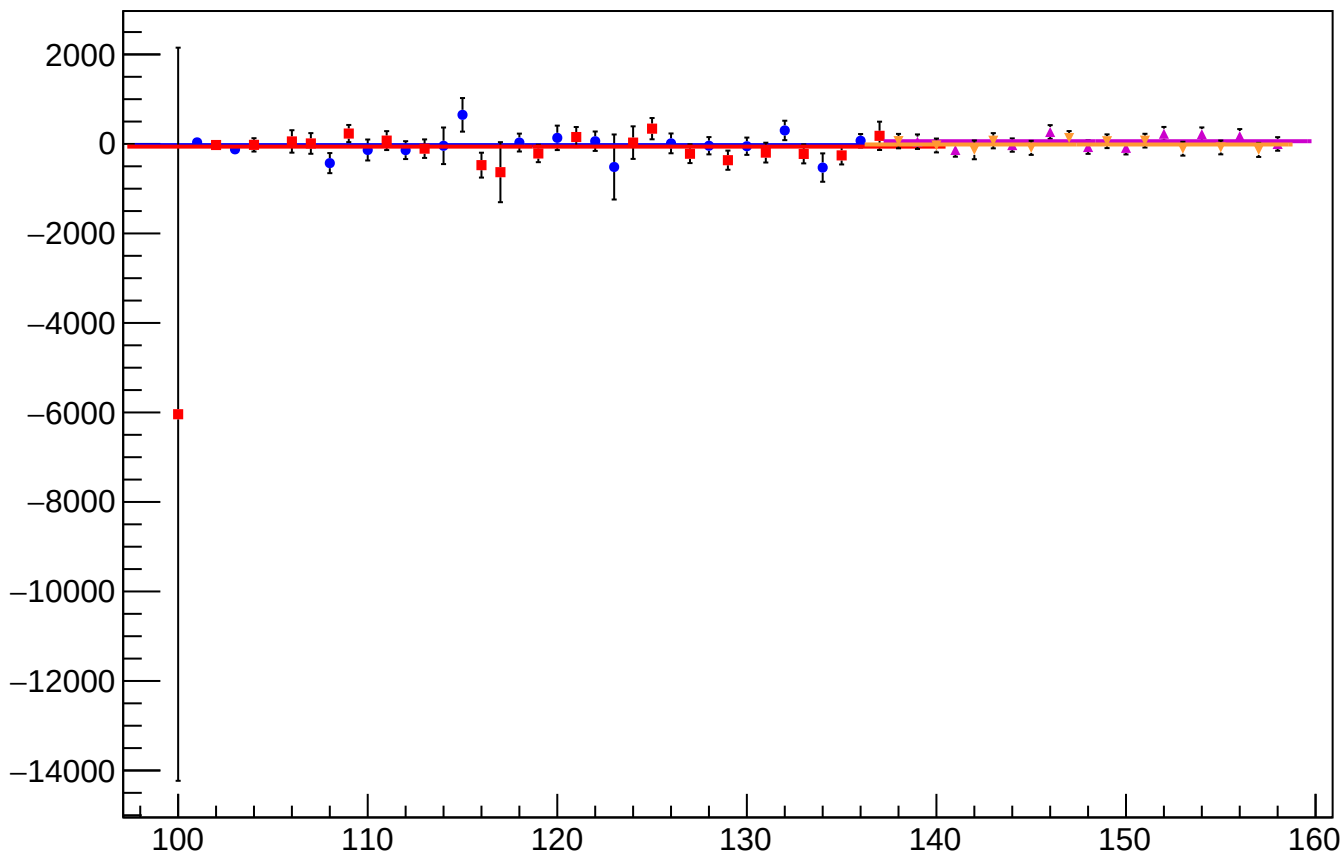
Right Out: 2.068 $\pm$ 0.001 χ^2 /NDF: 530286.7/19

Left In: 2.097 $\pm$ 0.001 χ^2 /NDF: 268544.0/9

1.996 $\pm$ 0.000 χ^2 /NDF: 747701.2/27

2.083 $\pm$ 0.000 χ^2 /NDF: 800060.9/29

asym_dsr_mean vs Slug



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

Left Out: -12.156 ± 48.345 $\chi^2/\text{NDF}: 3.6/10$

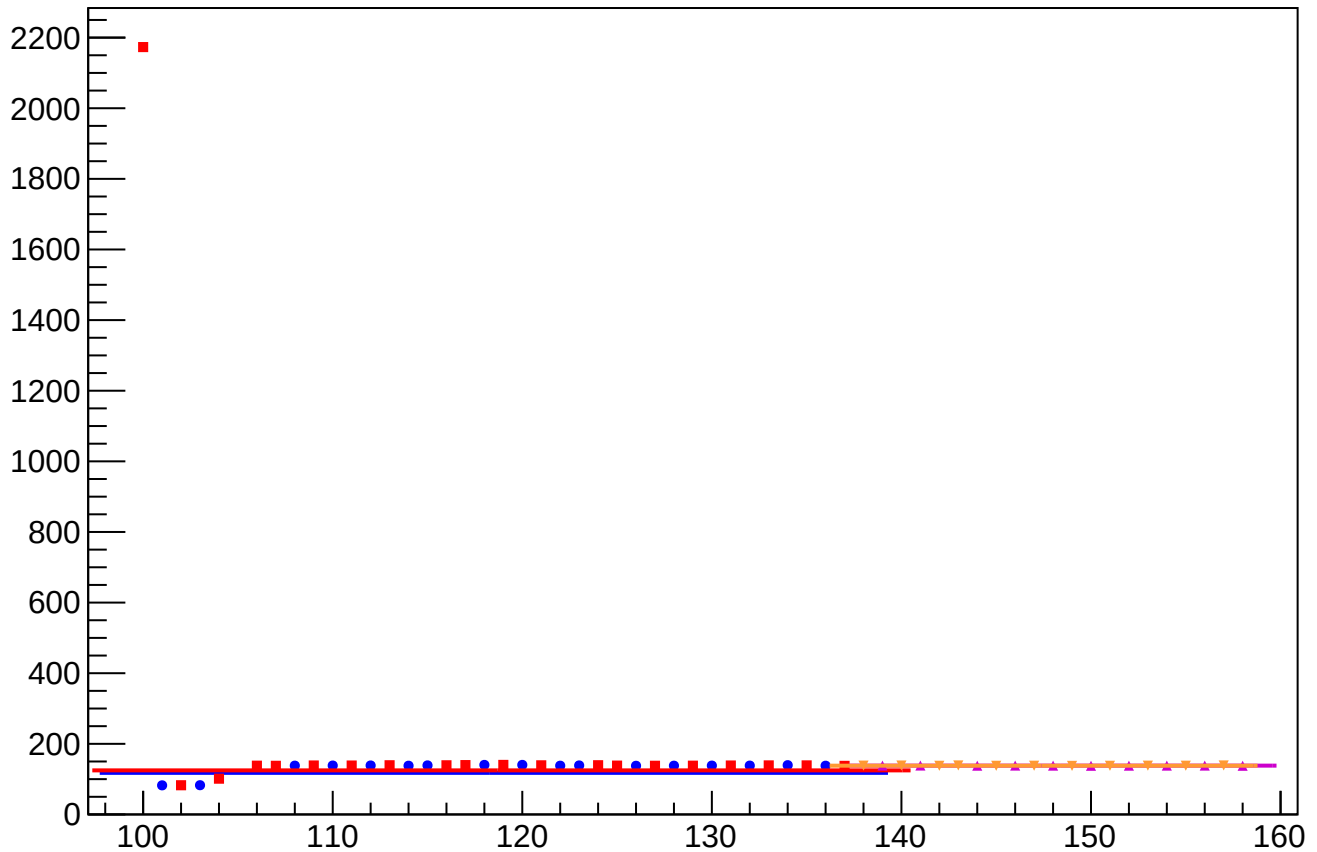
Right Out: -60.159 ± 47.602 $\chi^2/\text{NDF}: 16.2/19$

Left In: 60.742 ± 48.275 $\chi^2/\text{NDF}: 8.5/9$

-19.438 ± 33.622 $\chi^2/\text{NDF}: 18.0/27$

-0.557 ± 33.895 $\chi^2/\text{NDF}: 28.0/29$

asym_dsr_rms vs Slug



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

Left Out: 138.134 $\pm$ 0.034 χ^2 /NDF:134.7/10

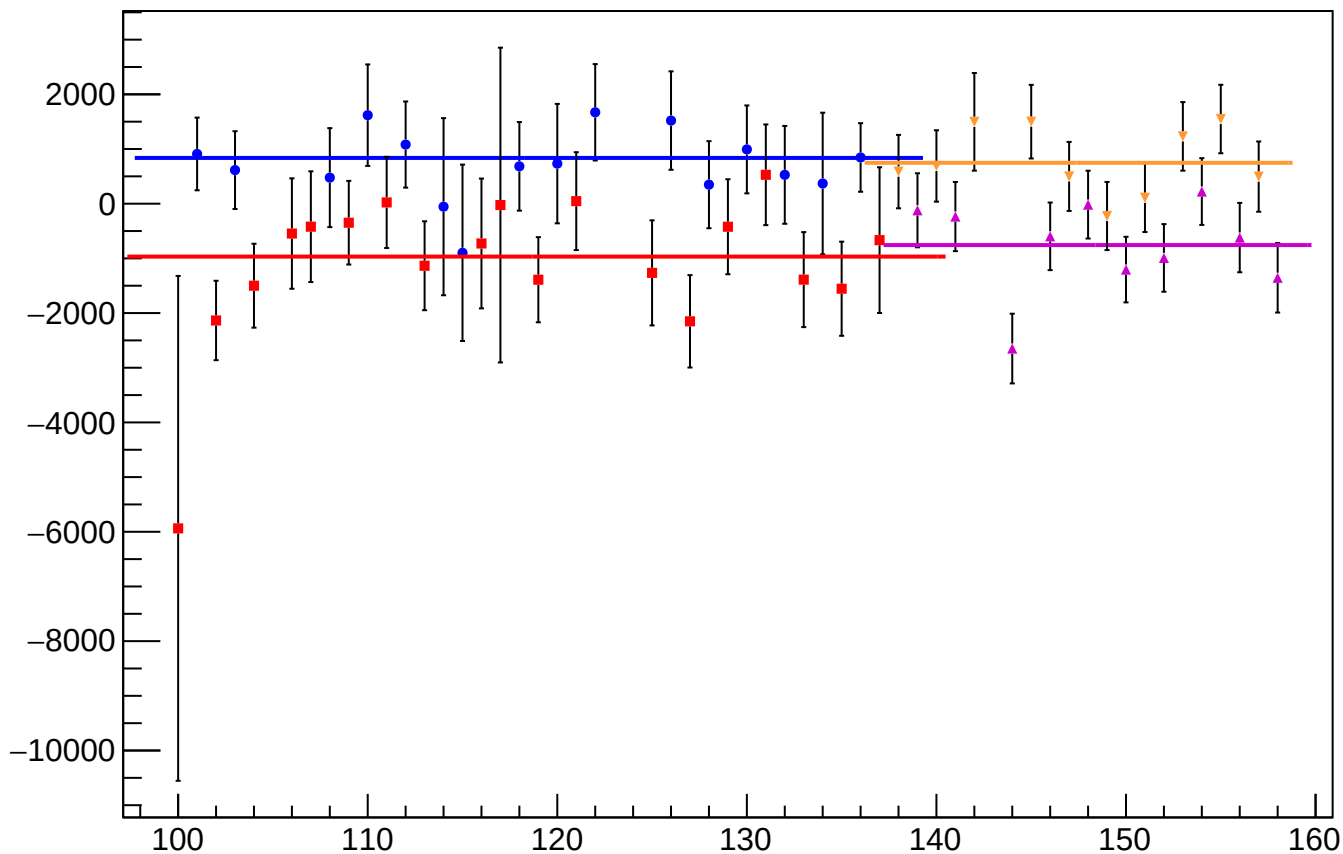
127.659 $\pm$ 0.024 χ^2 /NDF: 848617.8/27

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

131.450 $\pm$ 0.024 χ^2 /NDF: 659896.1/29

Left In: 138.260 $\pm$ 0.034 χ^2 /NDF:41.4/9

reg_asym_left_avg_mean vs Slug



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

Left Out: 748.088 ± 207.726 χ^2/NDF : 8.0/9

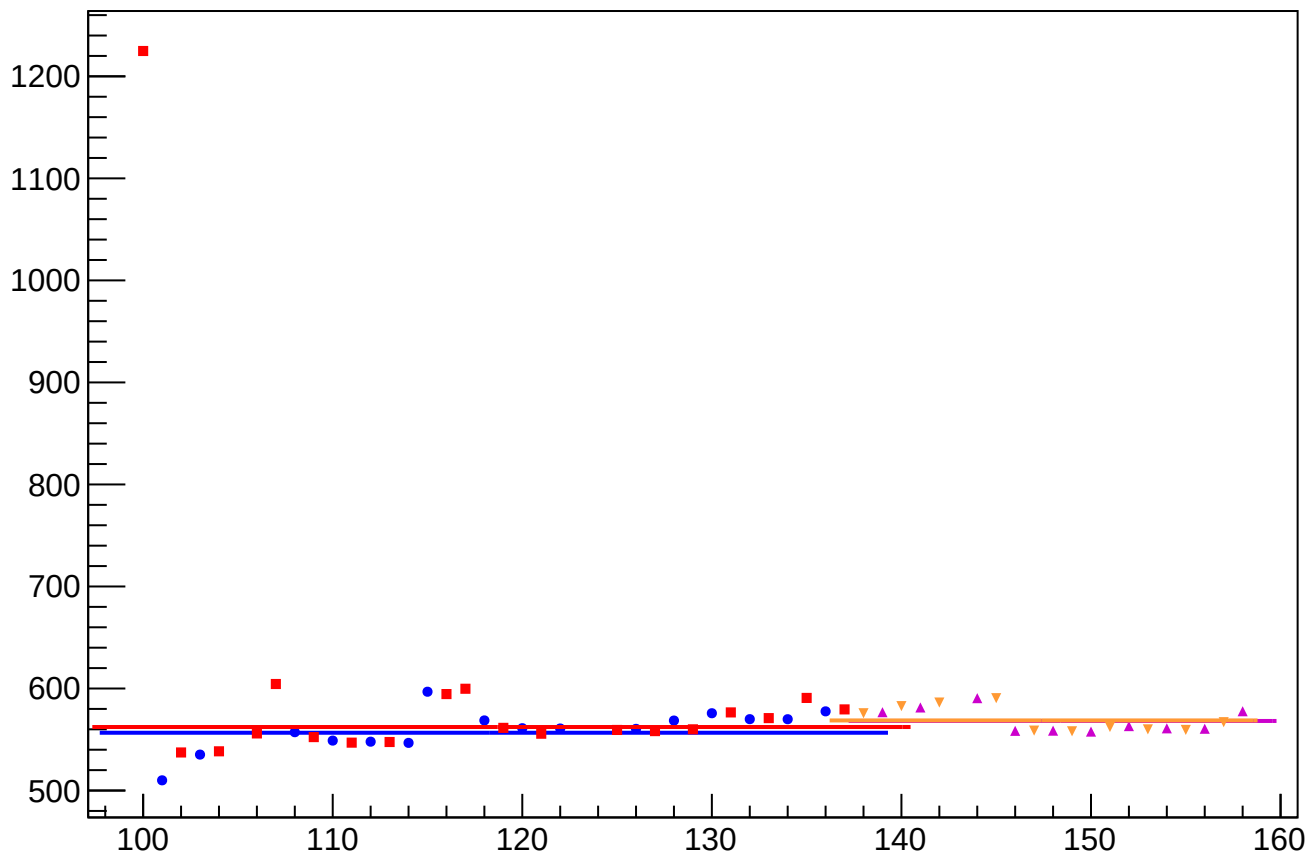
Right Out: -967.277 ± 212.168 χ^2/NDF : 14.4/18

Left In: -756.562 ± 198.418 χ^2/NDF : 16.1/9

790.794 ± 149.785 χ^2/NDF : 12.8/25

-854.871 ± 144.920 χ^2/NDF : 31.0/28

reg_asym_left_avg_rms vs Slug



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

Left Out: 568.694+/-0.147 χ^2/NDF : 6155.8/9

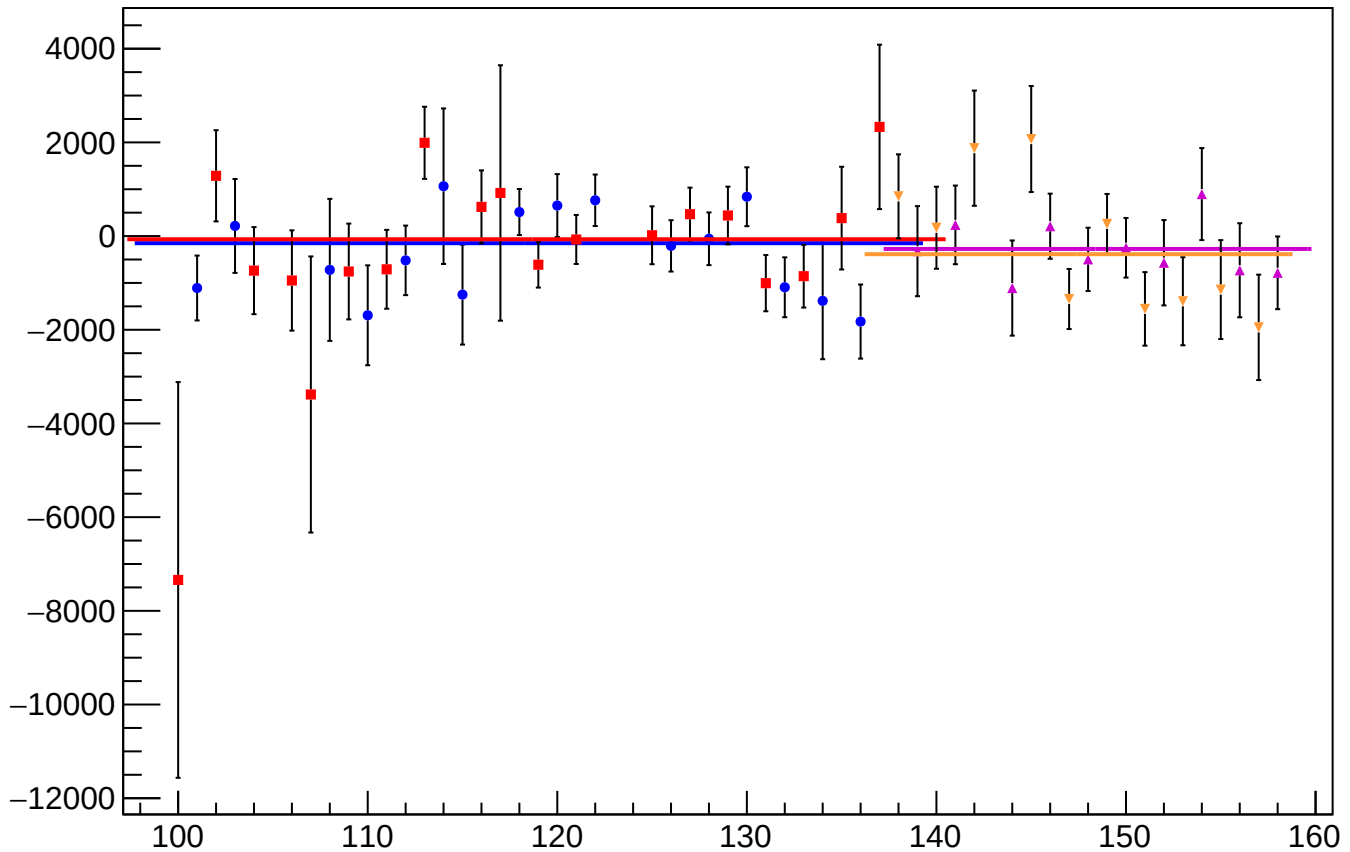
Right Out: 562.253+/-0.150 χ^2/NDF : 55916.7/18

Left In: 568.189+/-0.140 χ^2/NDF : 6372.1/9

562.906+/-0.106 χ^2/NDF : 27781.8/25

565.419+/-0.102 χ^2/NDF : 63123.9/28

asym_left_avg_correction_mean vs Slug



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

Left Out: -386.372+/-274.085 χ^2/NDF : 19.5/9

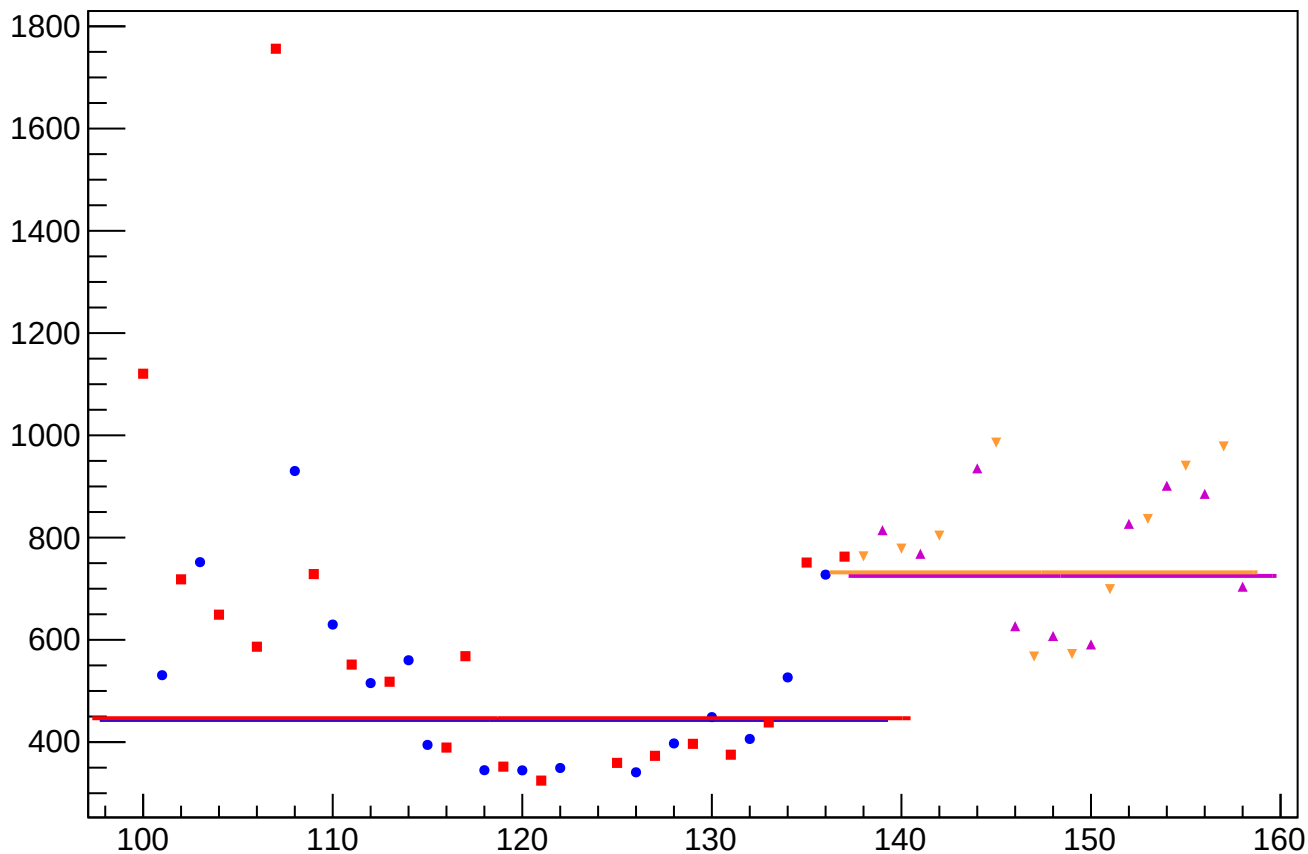
Right Out: -67.516+/-178.283 χ^2/NDF : 25.1/18

Left In: -274.054+/-257.399 χ^2/NDF : 3.8/9

-222.580+/-150.501 χ^2/NDF : 42.3/25

-134.477+/-146.561 χ^2/NDF : 29.4/28

asym_left_avg_correction_rms vs Slug



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

Left Out: 732.006+/-0.194 χ^2/NDF : 574293.1/9

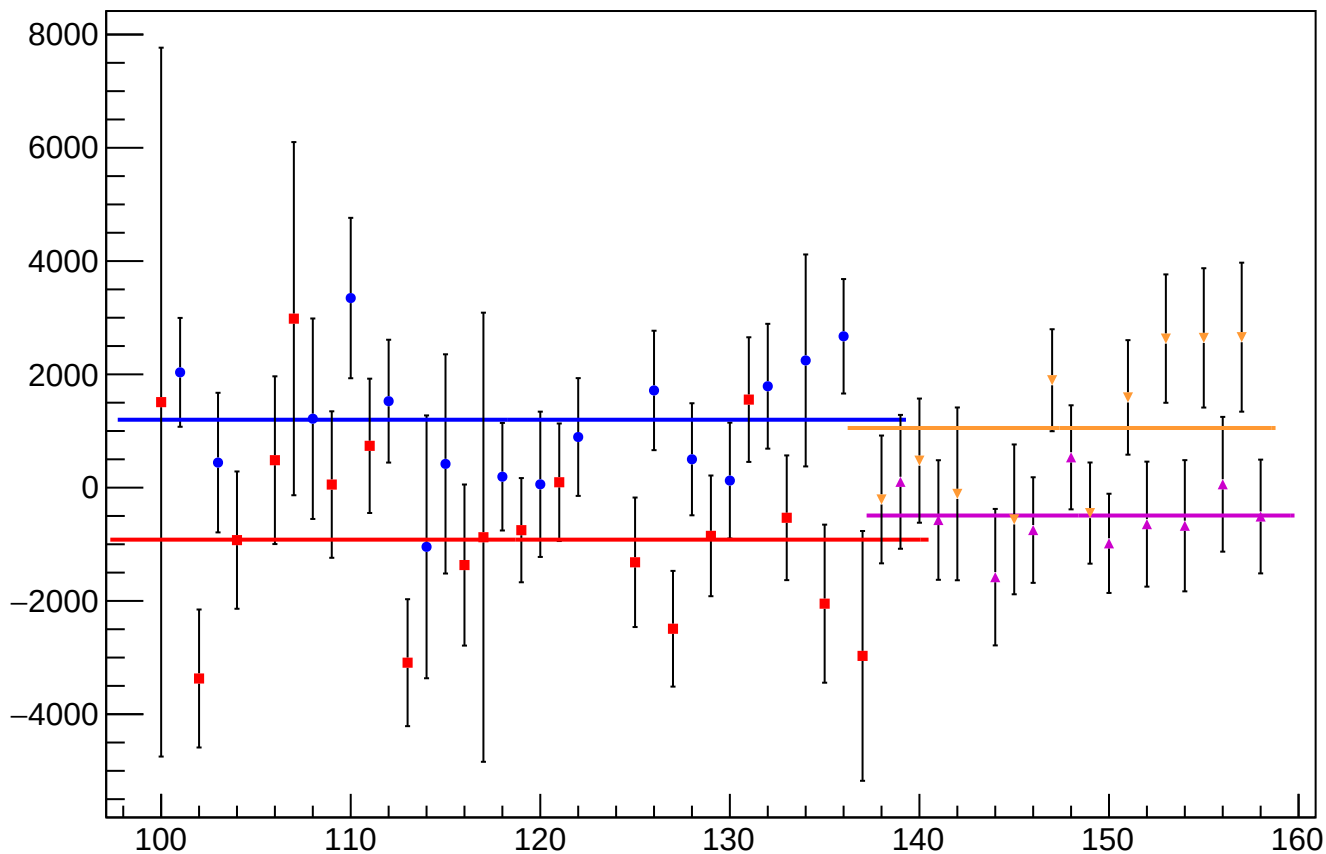
Right Out: 446.668+/-0.126 χ^2/NDF : 1463968.9/18

Left In: 725.055+/-0.182 χ^2/NDF : 439690.0/9

530.454+/-0.106 χ^2/NDF : 3183597.9/25

536.923+/-0.104 χ^2/NDF : 3484645.3/28

asym_left_avg_mean vs Slug



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

Left Out: 1053.059 $\pm$ 351.298 χ^2 /NDF:12.7/9

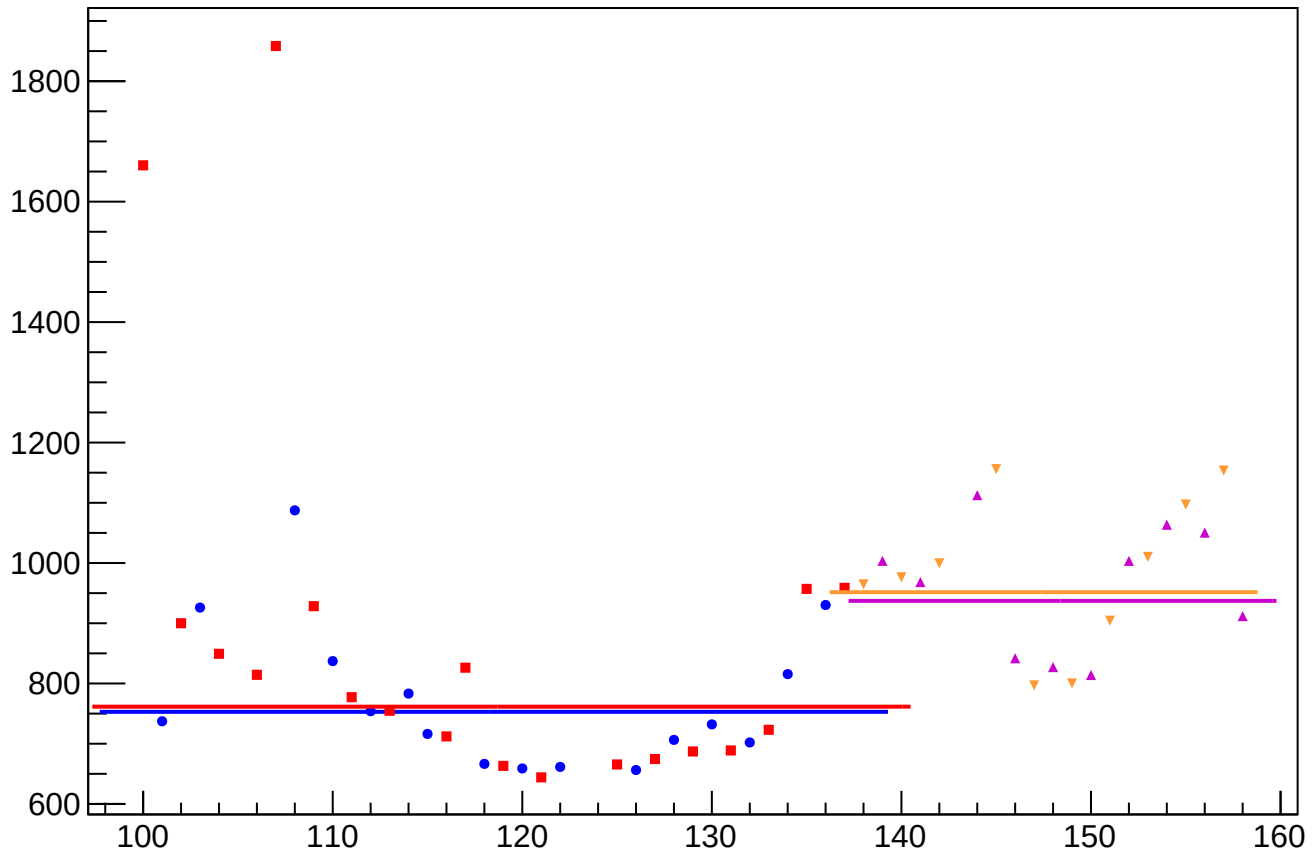
Right Out: -918.180 $\pm$ 292.495 χ^2 /NDF: 23.2/18

Left In: -492.217 $\pm$ 329.569 χ^2 /NDF:3.0/9

1138.572 $\pm$ 226.021 χ^2 /NDF: 24.0/25

-730.495 $\pm$ 218.764 χ^2 /NDF: 27.1/28

asym_left_avg_rms vs Slug



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

Left Out: 951.541+/-0.248 χ^2/NDF : 252479.0/9

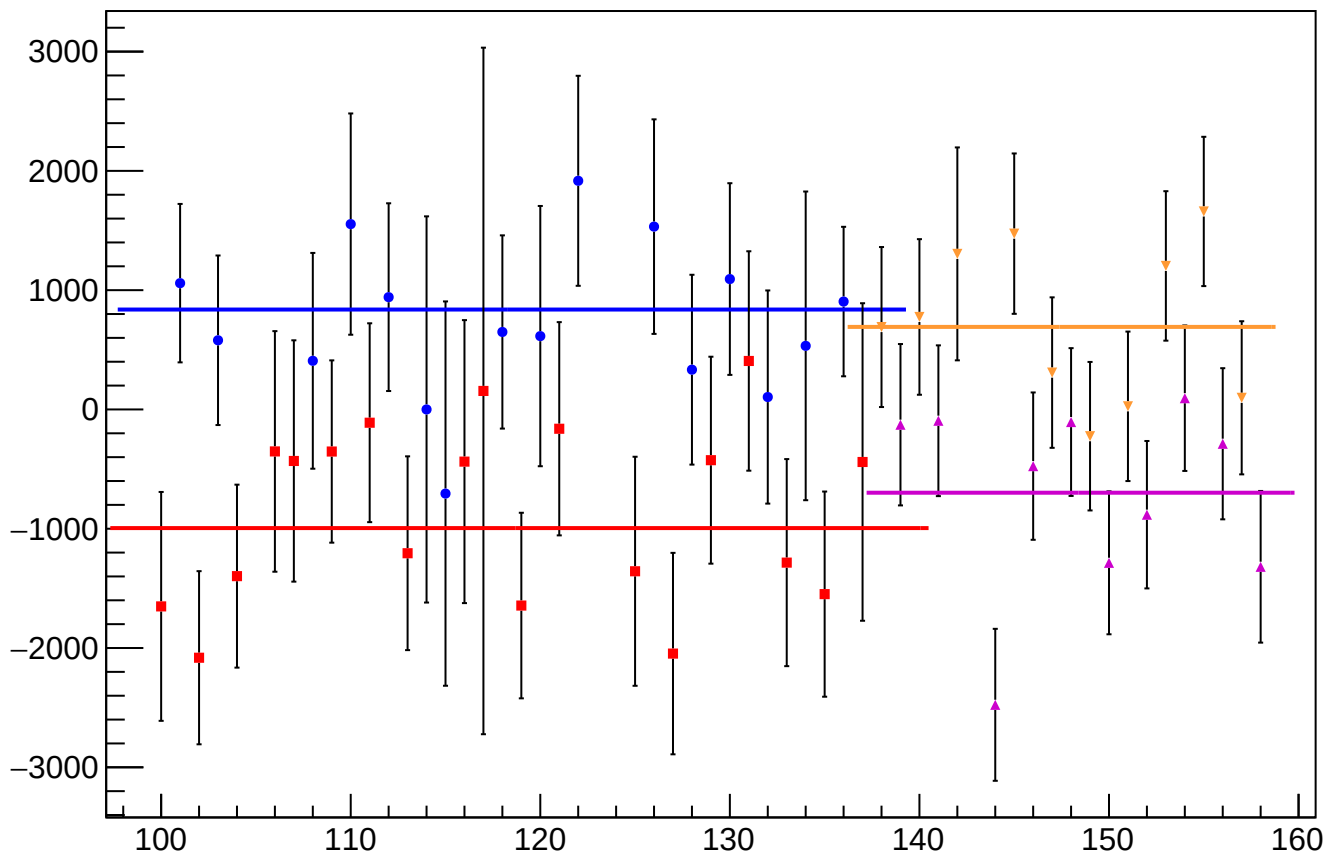
Right Out: 761.514+/-0.207 χ^2/NDF : 517672.2/18

Left In: 937.149+/-0.233 χ^2/NDF : 190122.0/9

835.149+/-0.160 χ^2/NDF : 879624.9/25

838.901+/-0.155 χ^2/NDF : 1025531.9/28

reg_asym_left_dd_mean vs Slug



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

Left Out: 692.005 ± 207.561 χ^2/NDF : 9.4/9

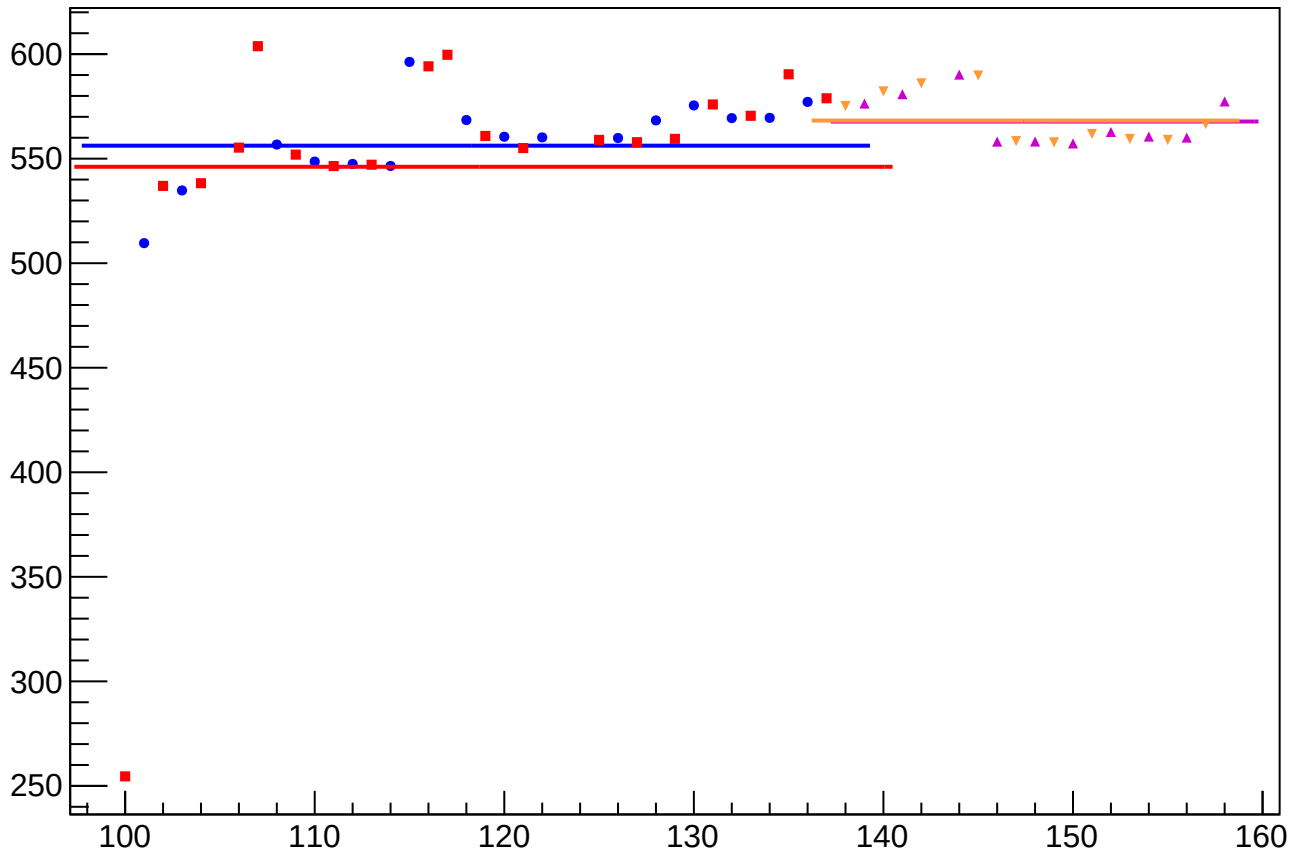
Right Out: -994.626 ± 207.208 χ^2/NDF : 12.7/18

Left In: -698.102 ± 198.269 χ^2/NDF : 14.6/9

761.877 ± 149.667 χ^2/NDF : 15.4/25

-839.830 ± 143.253 χ^2/NDF : 28.3/28

reg_asym_left_dd_rms vs Slug



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

Left Out: 568.240 $\pm$ 0.147 χ^2 /NDF: 6084.5/9

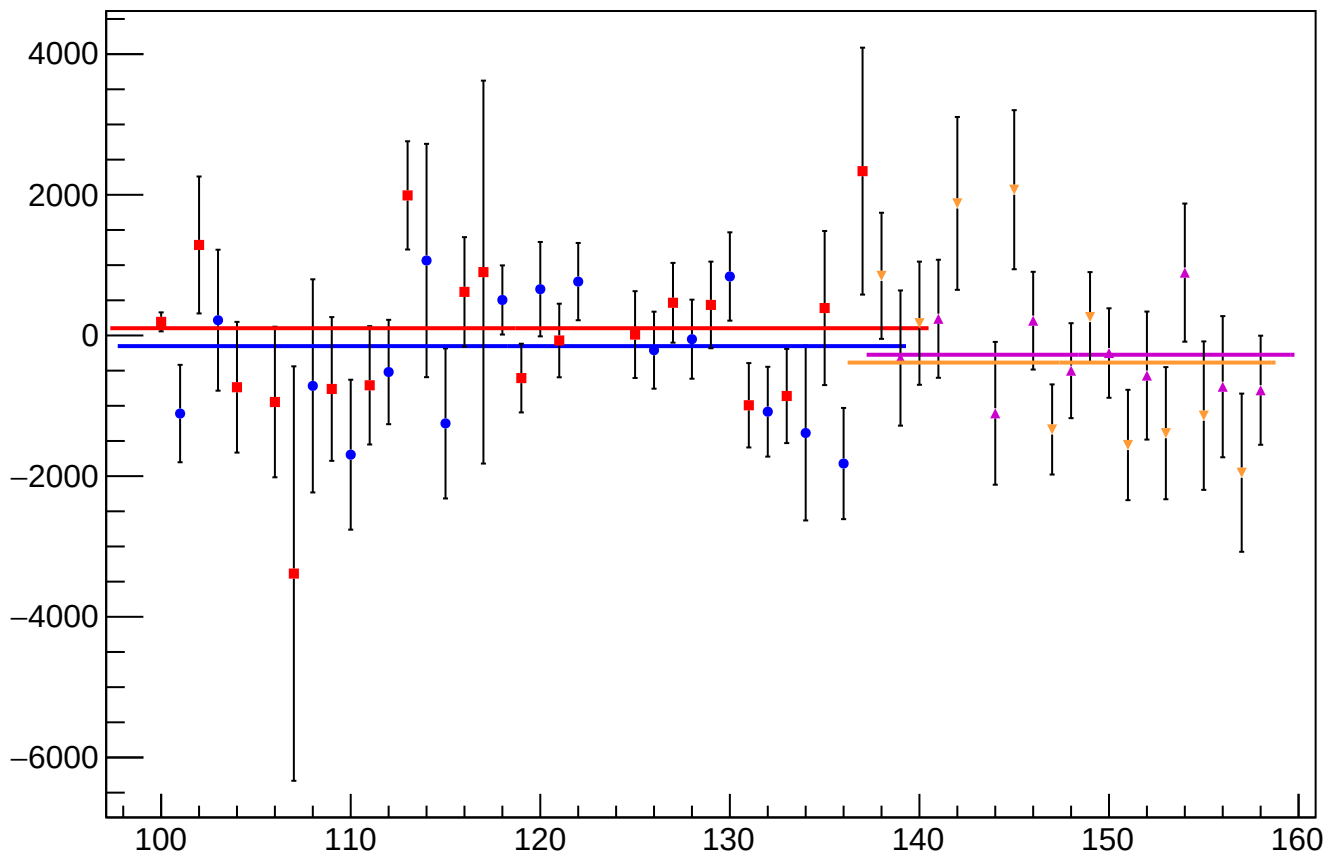
Right Out: 546.124 $\pm$ 0.147 χ^2 /NDF: 208336.6/18

Left In: 567.760 $\pm$ 0.140 χ^2 /NDF: 6393.2/9

562.465 $\pm$ 0.106 χ^2 /NDF: 27727.0/25

557.419 $\pm$ 0.101 χ^2 /NDF: 226113.7/28

asym_left_dd_correction_mean vs Slug



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

Left Out: -385.295 ± 273.954 χ^2/NDF : 19.5/9

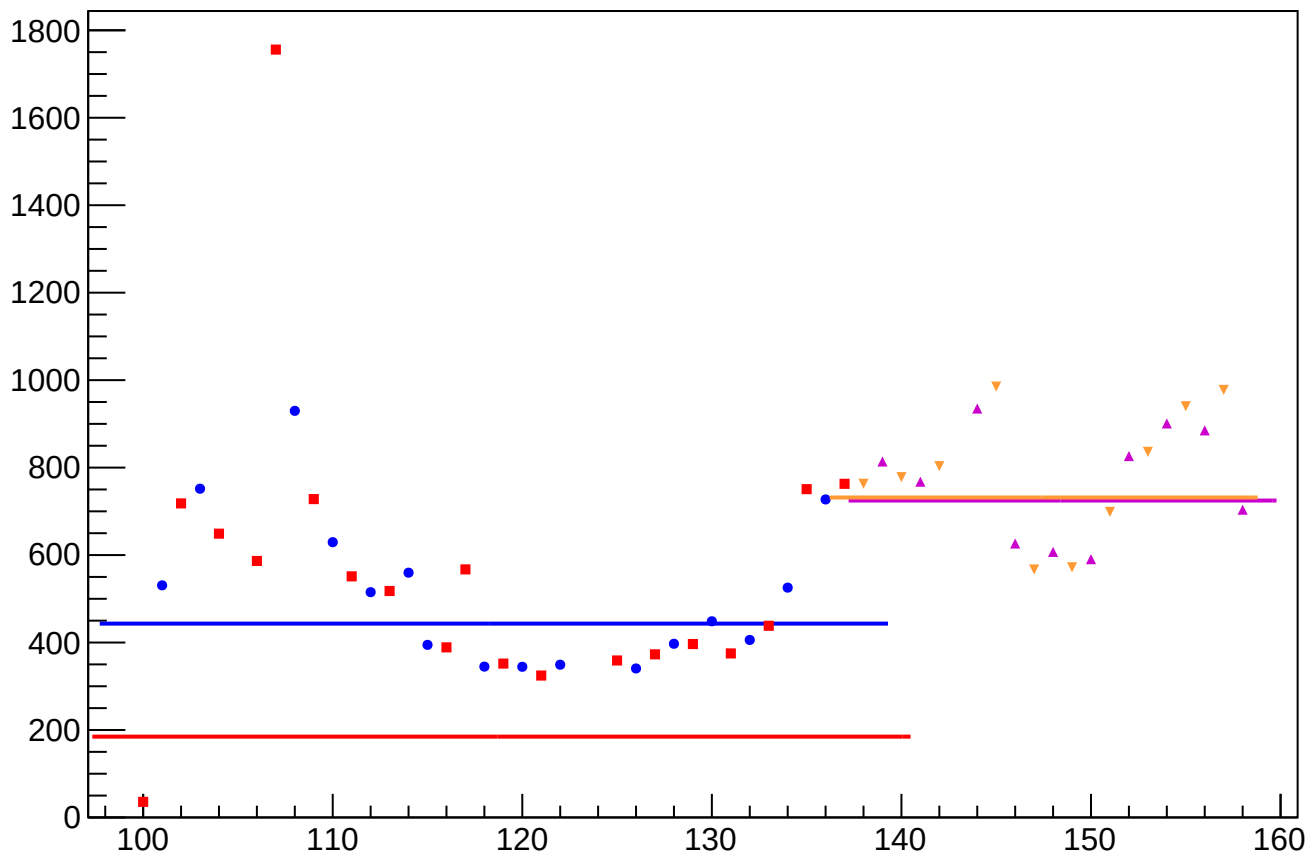
Right Out: 103.328 ± 107.623 χ^2/NDF : 23.3/18

Left In: -274.136 ± 257.264 χ^2/NDF : 3.8/9

-221.963 ± 150.428 χ^2/NDF : 42.2/25

47.109 ± 99.285 χ^2/NDF : 29.0/28

asym_left_dd_correction_rms vs Slug



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

Left Out: 731.653+/-0.194 χ^2/NDF : 574581.0/9

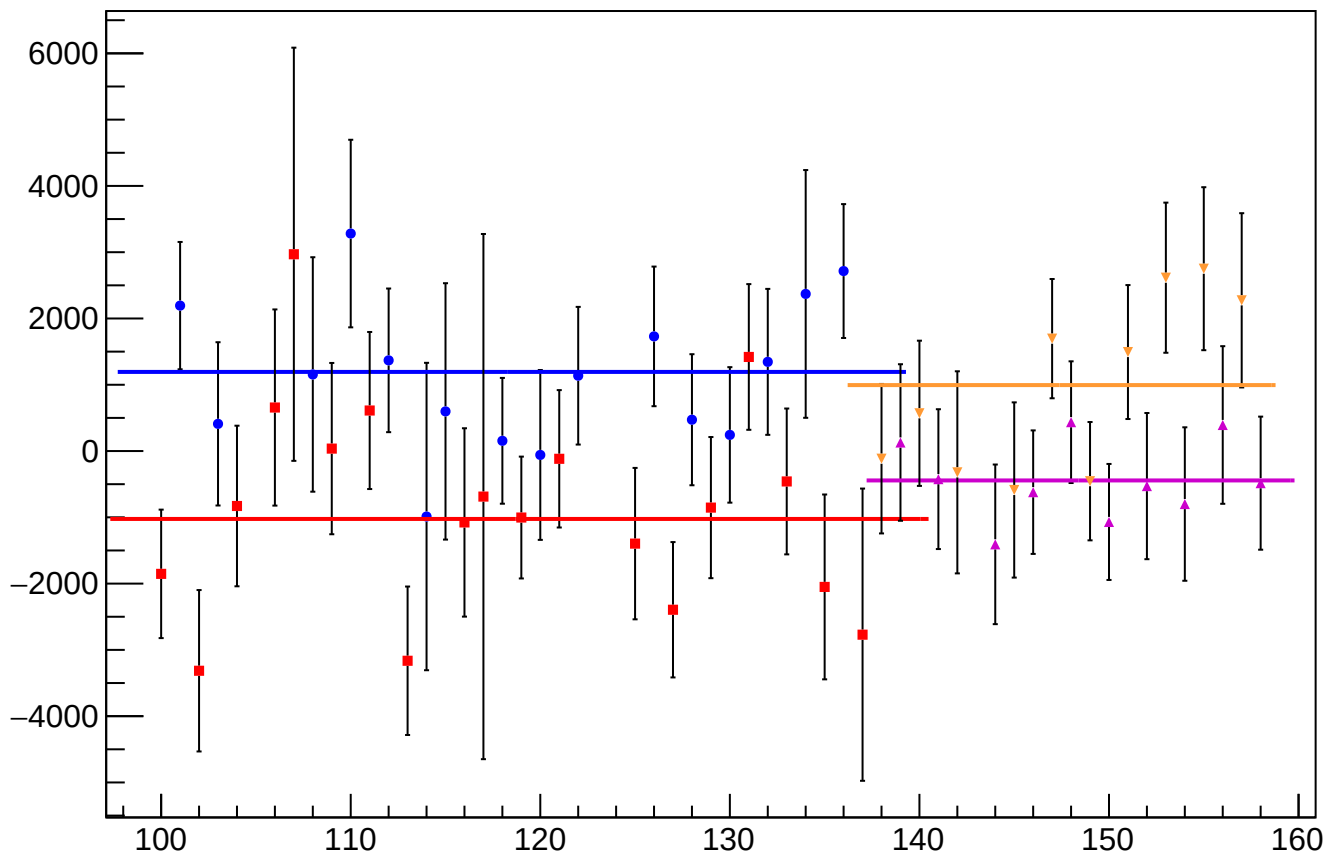
Right Out: 184.814+/-0.076 χ^2/NDF : 8119311.6/18

Left In: 724.672+/-0.182 χ^2/NDF : 439609.8/9

530.200+/-0.106 χ^2/NDF : 3183689.0/25

265.220+/-0.070 χ^2/NDF : 16054248.0/28

asym_left_dd_mean vs Slug



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

Left Out: 995.044 ± 351.098 χ^2/NDF : 11.8/9

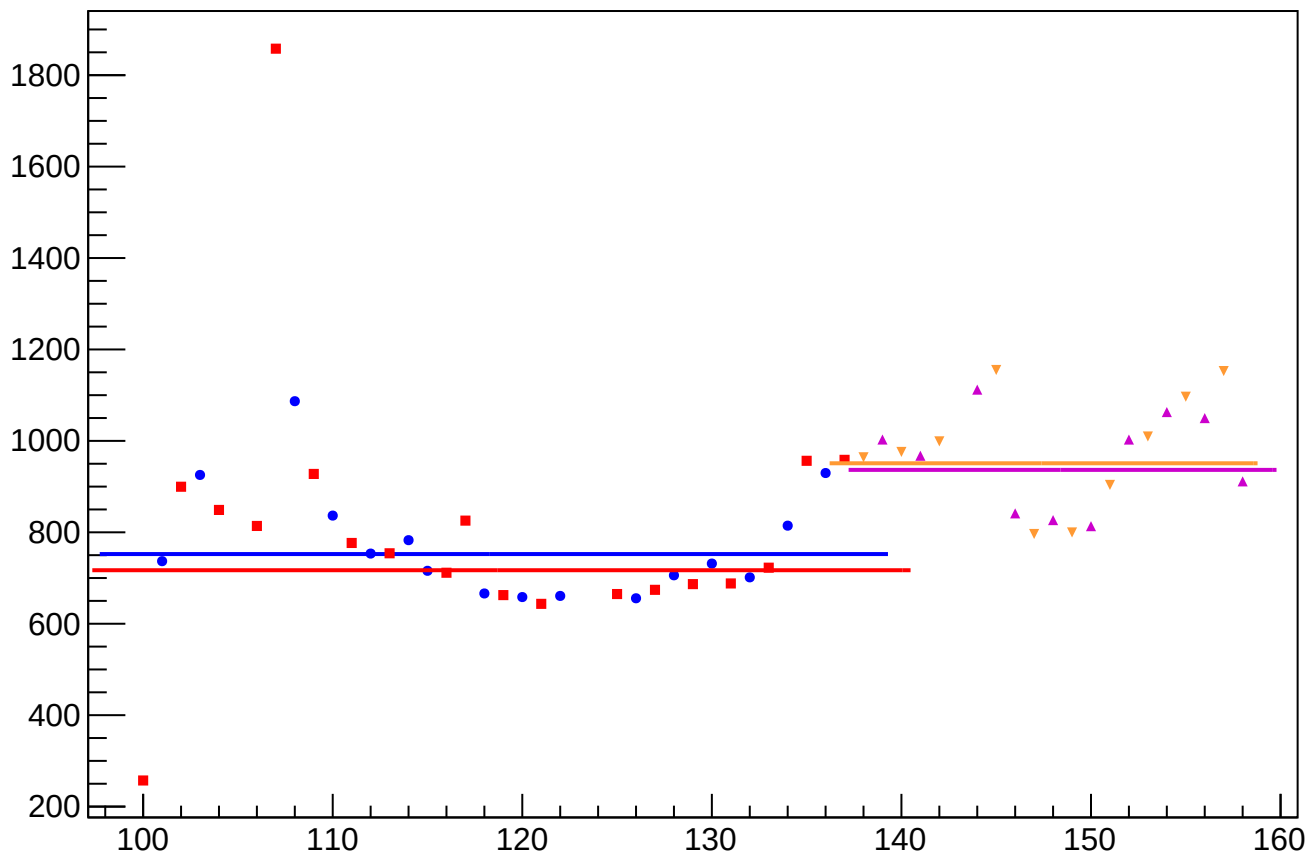
Right Out: -1024.435 ± 280.119 χ^2/NDF : 22.5/18

Left In: -443.459 ± 329.366 χ^2/NDF : 2.9/9

1111.564 ± 225.879 χ^2/NDF : 23.2/25

-780.586 ± 213.383 χ^2/NDF : 27.3/28

asym_left_dd_rms vs Slug



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

Left Out: 951.004+/-0.248 χ^2/NDF : 252408.8/9

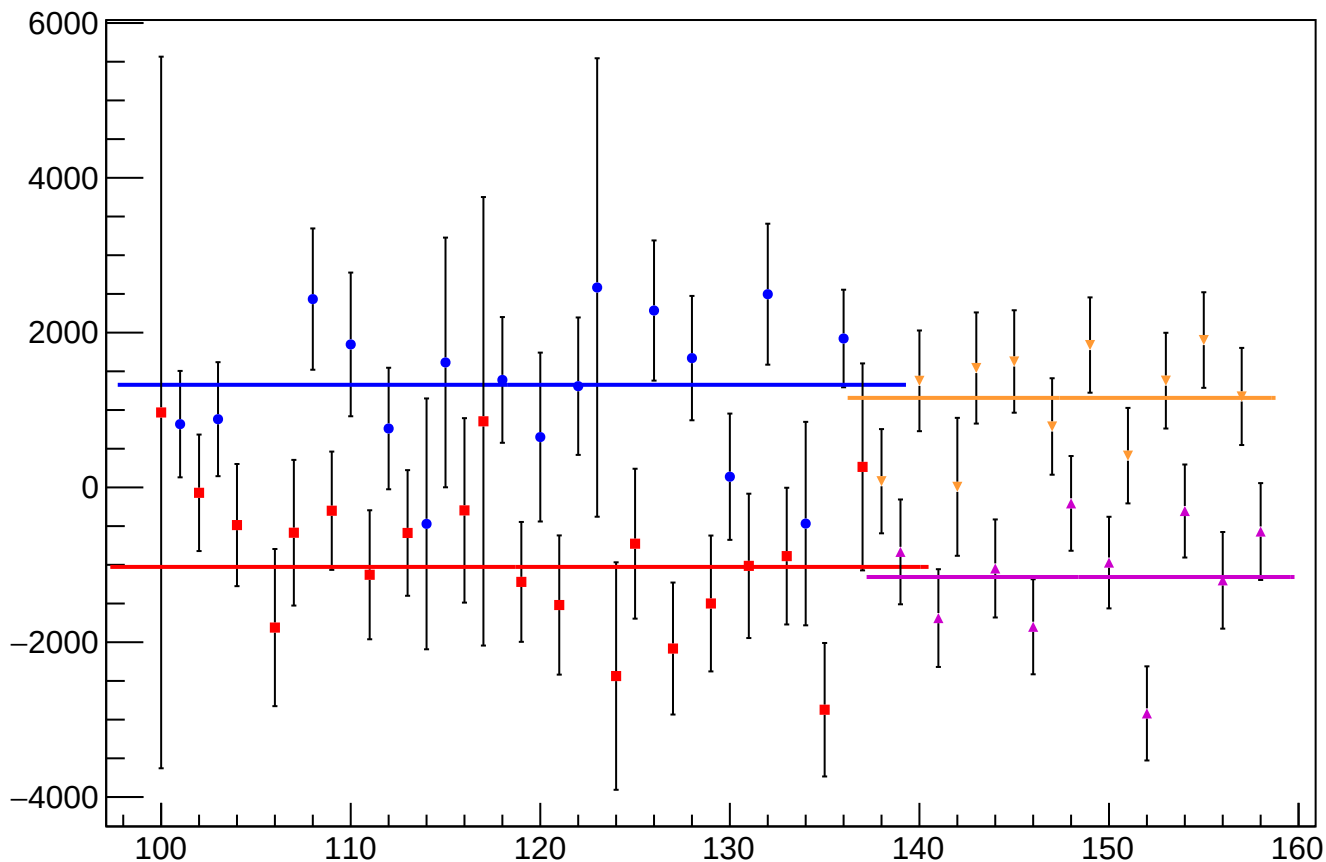
Right Out: 717.067+/-0.198 χ^2/NDF : 968442.7/18

Left In: 936.566+/-0.233 χ^2/NDF : 190151.1/9

834.618+/-0.160 χ^2/NDF : 880081.9/25

809.196+/-0.151 χ^2/NDF : 1674024.8/28

reg_asym_right_avg_mean vs Slug



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

Left Out: 1156.725 $\pm$ 197.377 χ^2 /NDF: 9.8/10

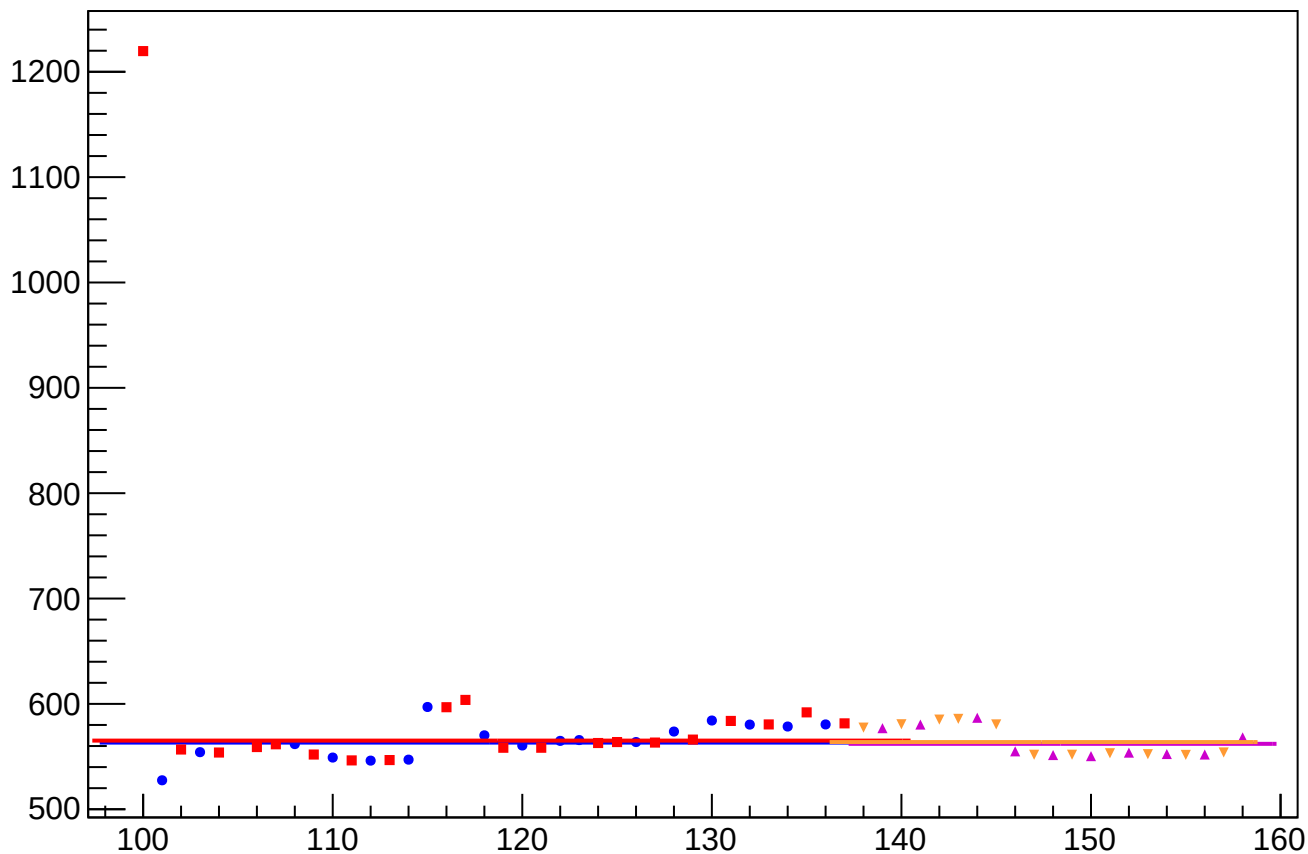
Right Out: -1026.996 $\pm$ 211.021 χ^2 /NDF: 13.8/19

Left In: -1157.288 $\pm$ 196.301 χ^2 /NDF: 15.9/9

1232.838 $\pm$ 146.348 χ^2 /NDF: 23.0/27

-1096.844 $\pm$ 143.728 χ^2 /NDF: 29.9/29

reg_asym_right_avg_rms vs Slug



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

Left Out: 563.769+/-0.140 χ^2/NDF : 10561.1/10

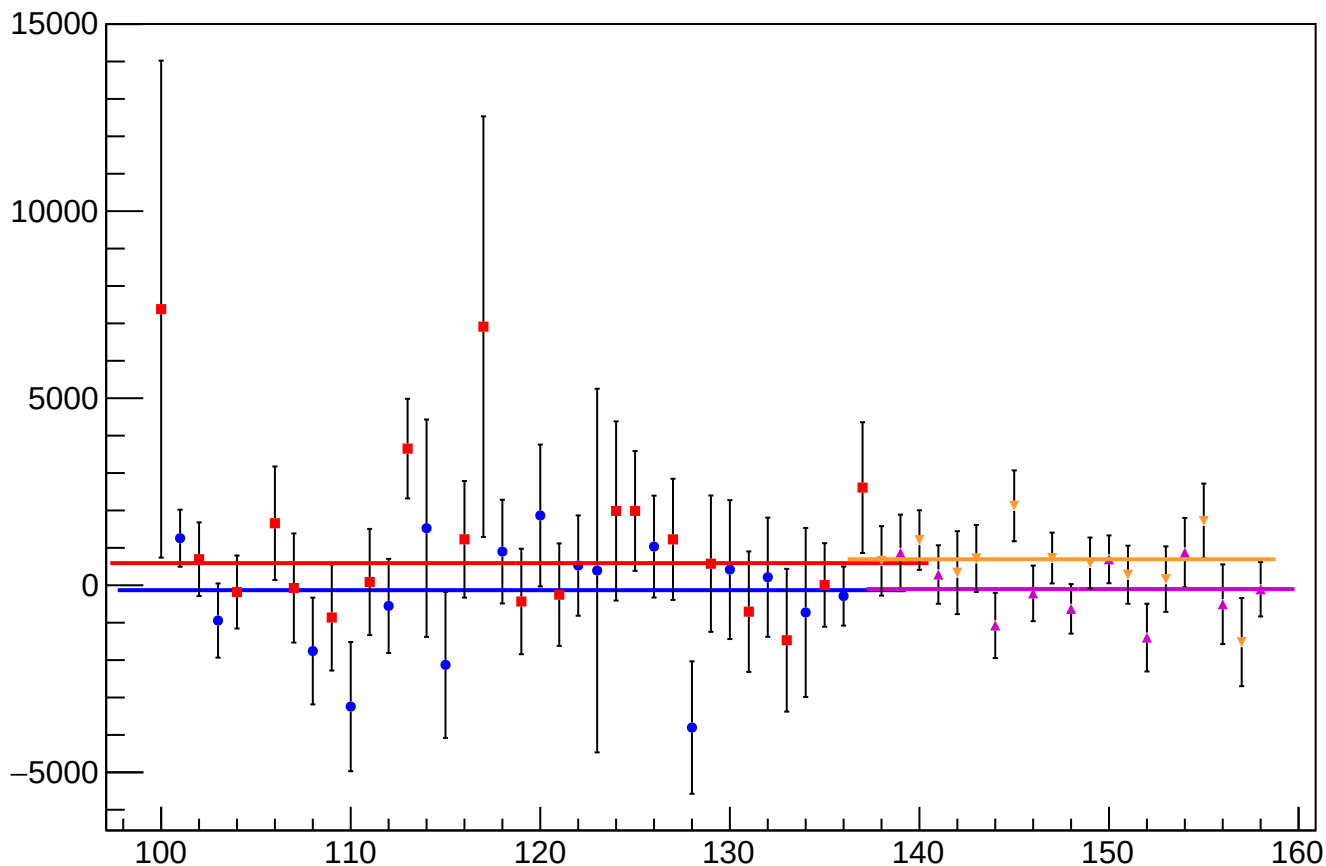
Right Out: 565.150+/-0.149 χ^2/NDF : 49653.1/19

Left In: 562.082+/-0.139 χ^2/NDF : 8962.2/9

563.542+/-0.103 χ^2/NDF : 23087.3/27

563.506+/-0.102 χ^2/NDF : 58841.9/29

asym_right_avg_correction_mean vs Slug



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

Left Out: 695.311 ± 258.682 χ^2/NDF : 8.1/10

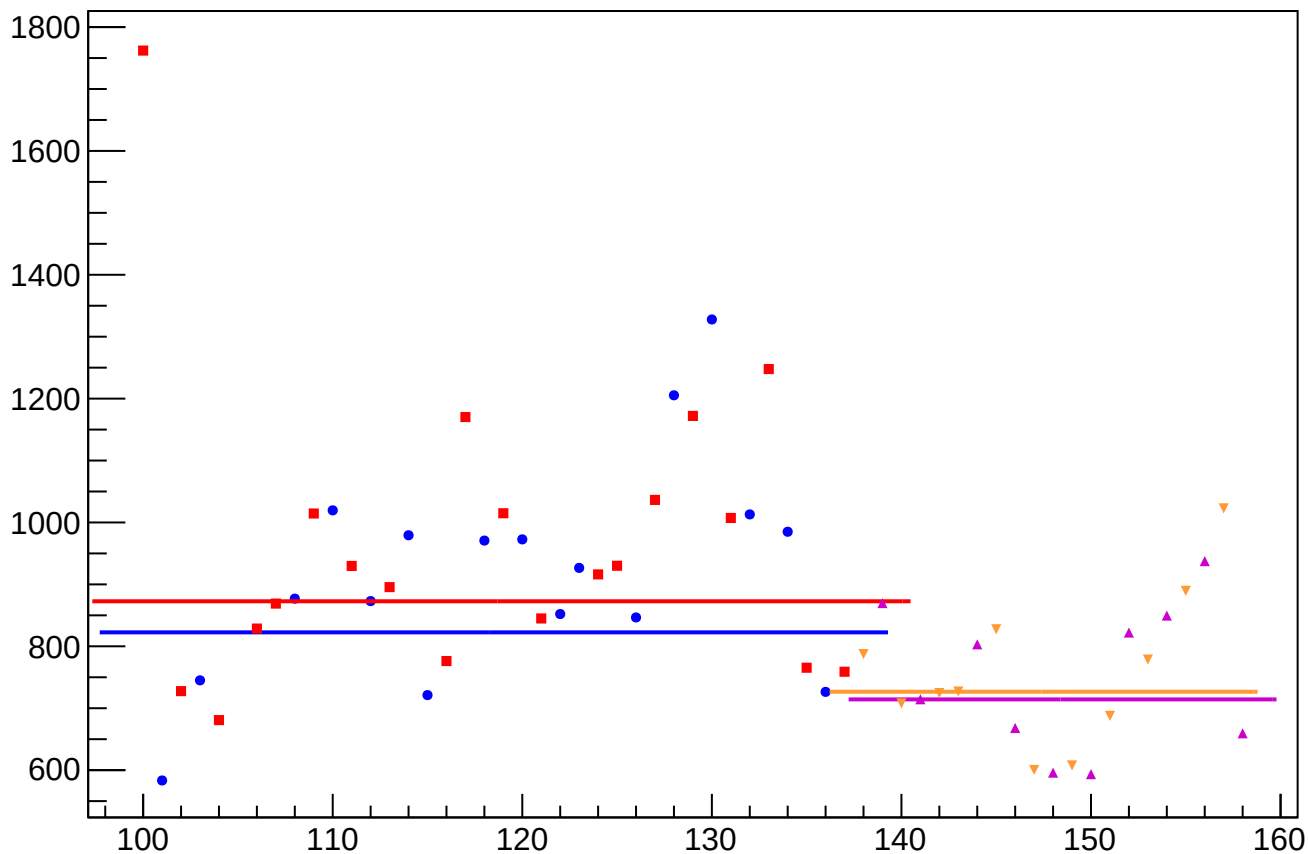
Right Out: 591.948 ± 331.825 χ^2/NDF : 15.9/19

Left In: -101.420 ± 253.068 χ^2/NDF : 7.9/9

377.913 ± 203.017 χ^2/NDF : 29.2/27

153.564 ± 201.226 χ^2/NDF : 26.5/29

asym_right_avg_correction_rms vs Slug



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

Left Out: 726.629+/-0.183 χ^2/NDF : 354955.1/10

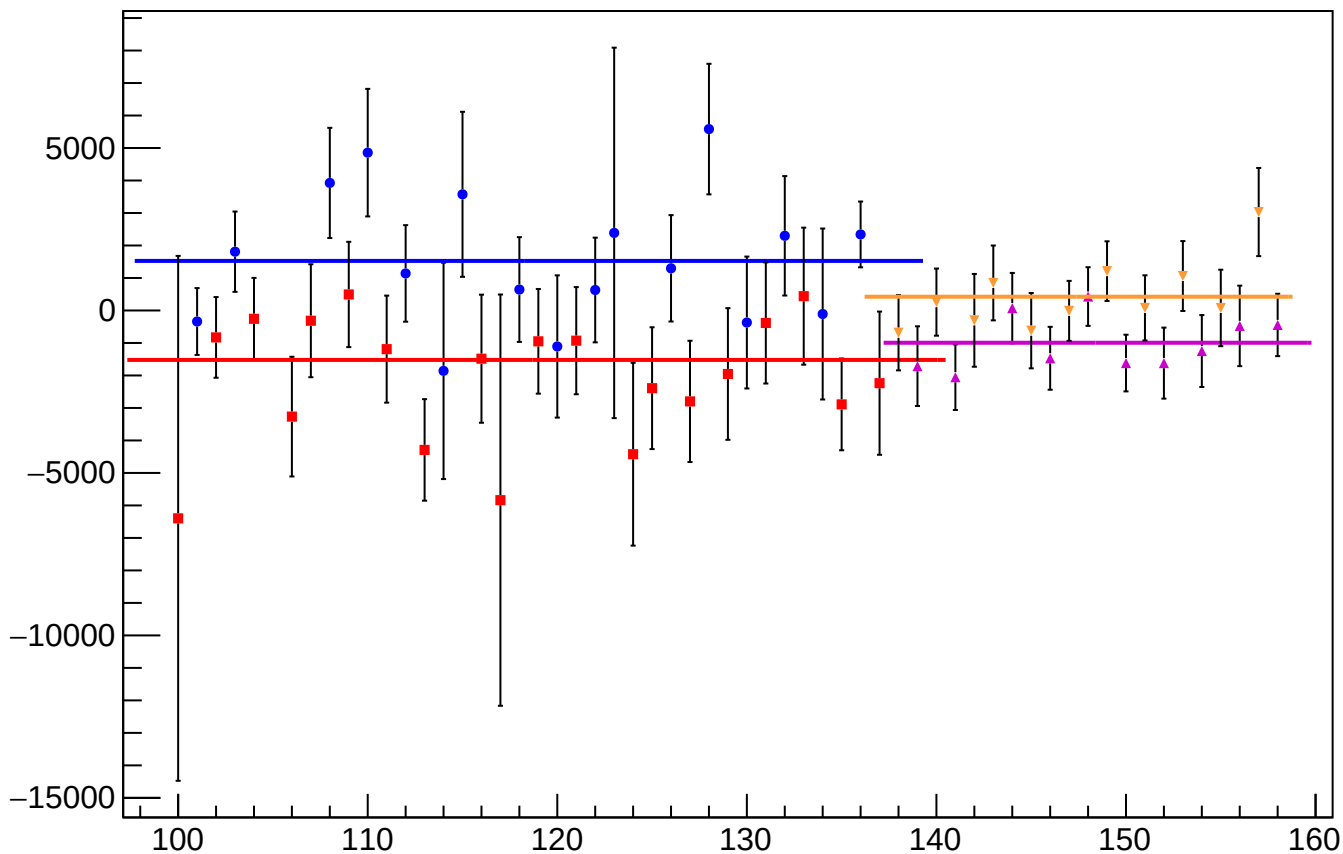
Right Out: 872.719+/-0.235 χ^2/NDF : 412481.2/19

Left In: 714.267+/-0.179 χ^2/NDF : 380442.3/9

763.461+/-0.144 χ^2/NDF : 1061476.2/27

772.538+/-0.142 χ^2/NDF : 1081259.9/29

asym_right_avg_mean vs Slug



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

Left Out: 423.868 $\pm$ 330.434 χ^2 /NDF: 7.4/10

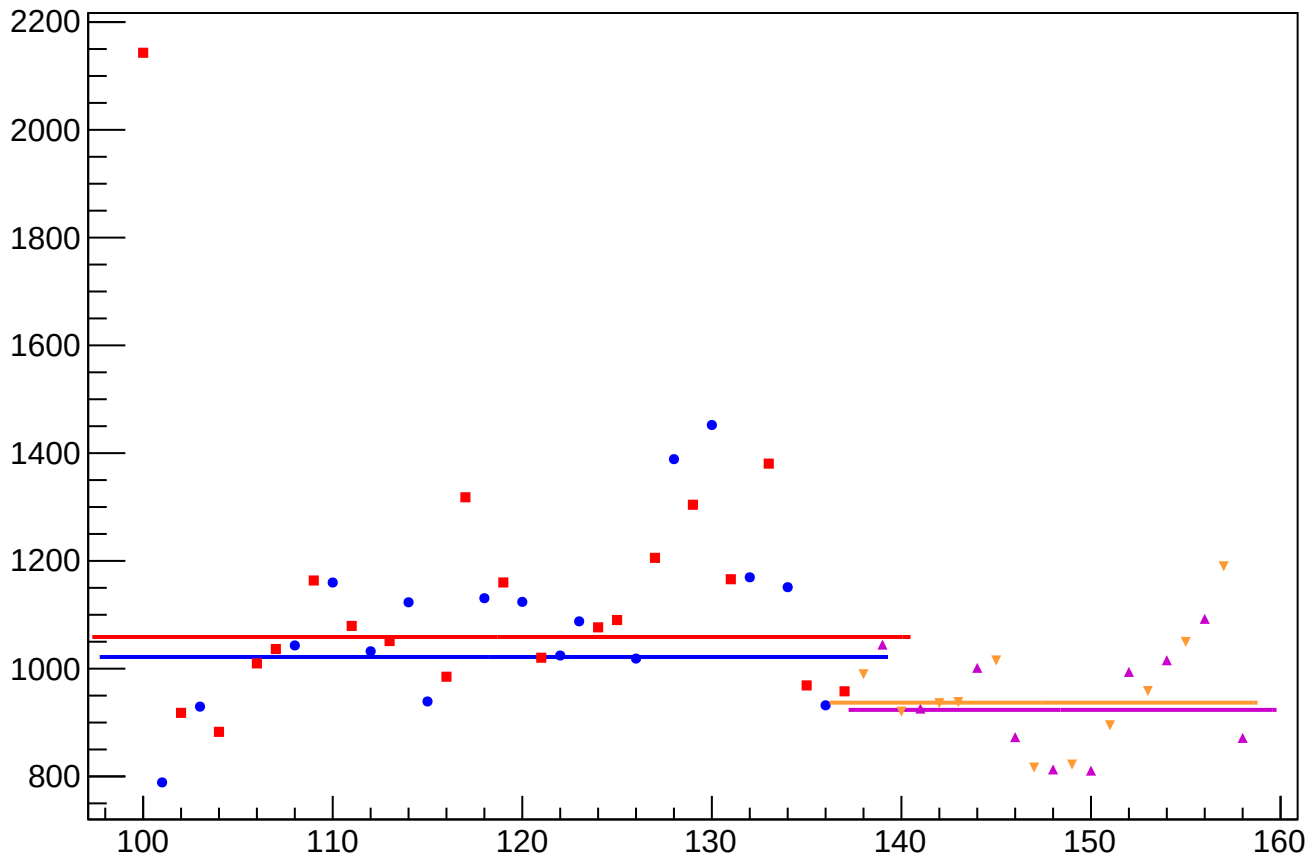
Right Out: -1521.641 $\pm$ 399.157 χ^2 /NDF: 12.6/19

Left In: -993.230 $\pm$ 324.453 χ^2 /NDF: 6.5/9

868.334 $\pm$ 255.211 χ^2 /NDF: 30.1/27

-1203.459 $\pm$ 251.770 χ^2 /NDF: 20.2/29

asym_right_avg_rms vs Slug



Right In: 1021.665 $\pm$ 0.284 χ^2 /NDF: 331949.3/16

Left Out: 936.901 $\pm$ 0.234 χ^2 /NDF: 171468.5/10

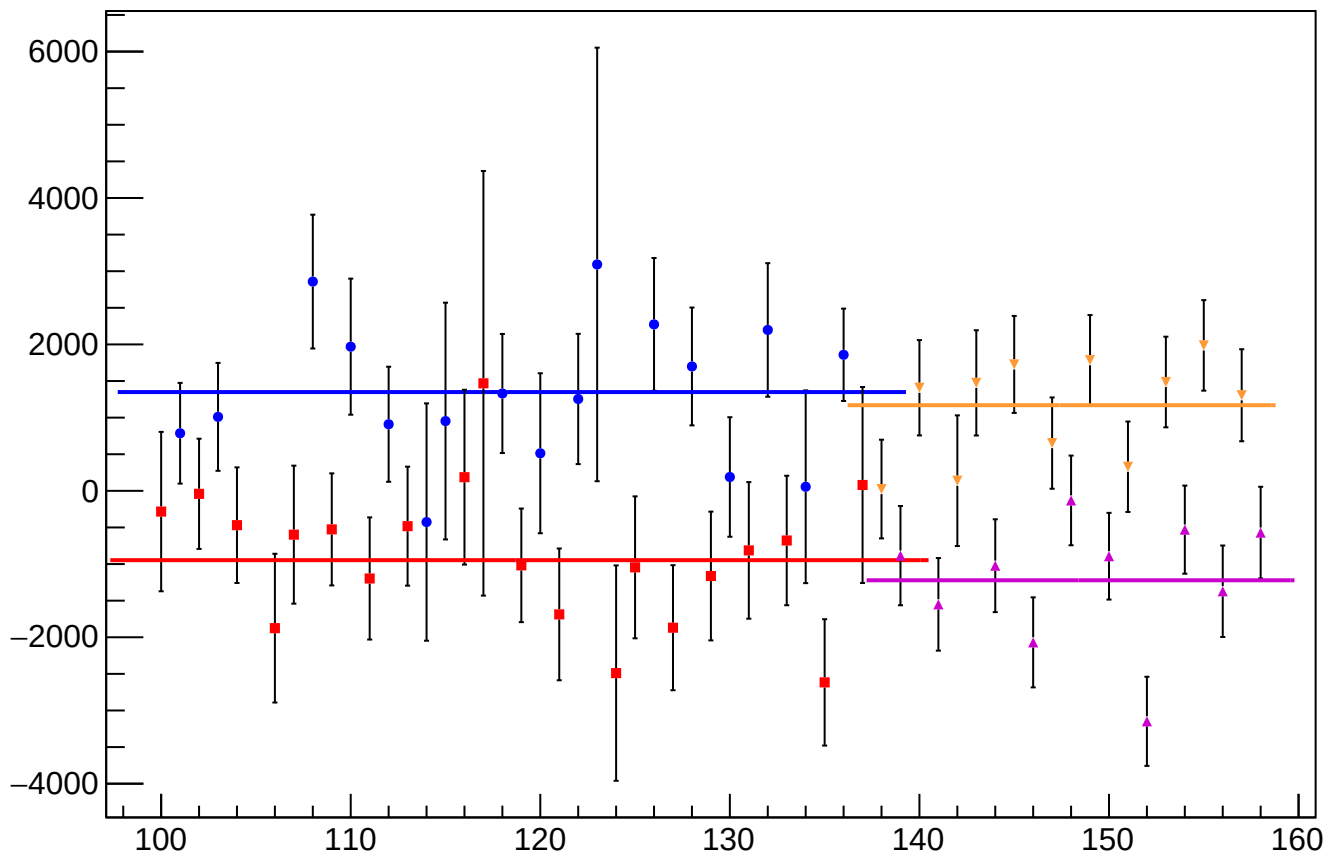
Right Out: 1058.783 $\pm$ 0.282 χ^2 /NDF: 234314.8/19

Left In: 923.494 $\pm$ 0.229 χ^2 /NDF: 164011.5/9

971.101 $\pm$ 0.180 χ^2 /NDF: 556517.3/27

977.319 $\pm$ 0.178 χ^2 /NDF: 536675.3/29

reg_asym_right_dd_mean vs Slug



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

Left Out: 1169.728 ± 197.588 χ^2/NDF : 10.8/10

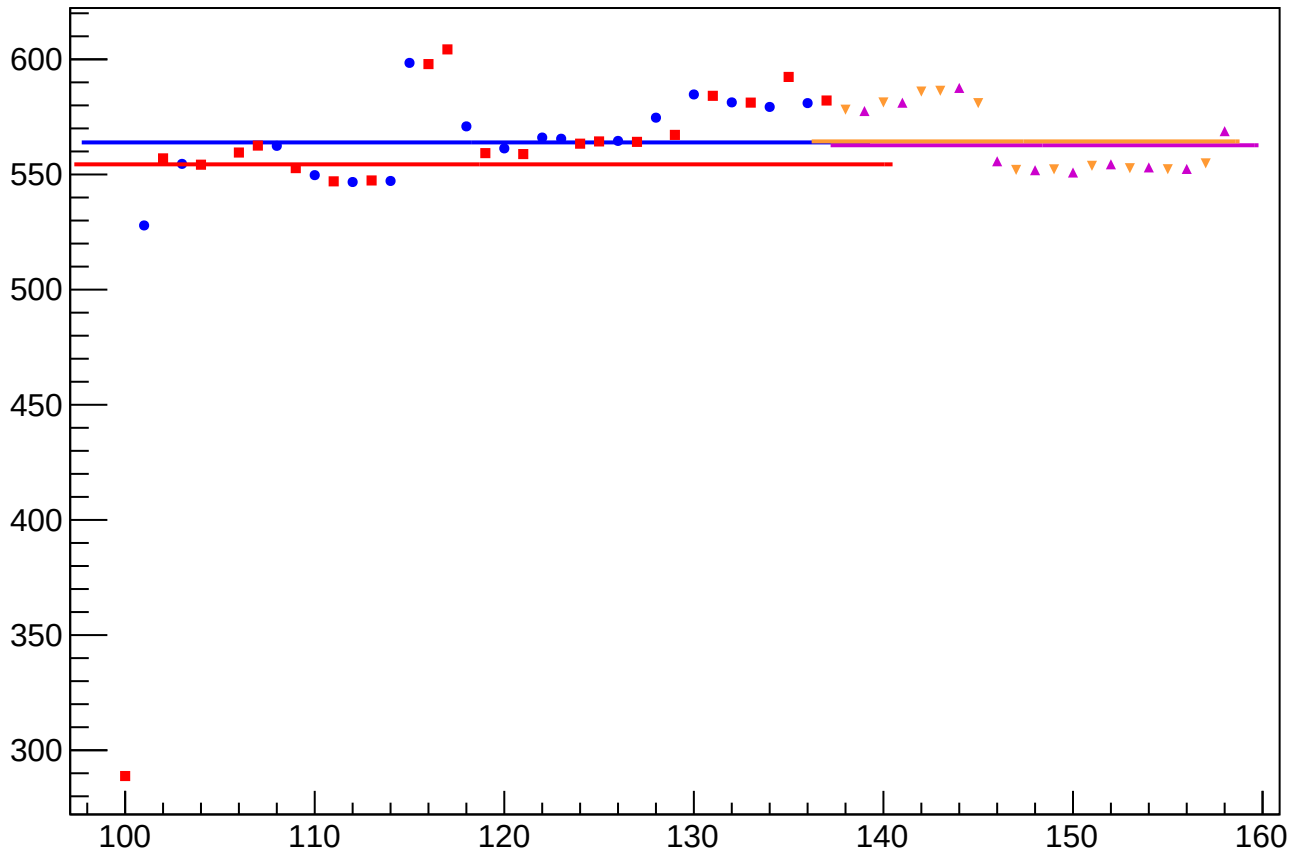
Right Out: -947.051 ± 207.609 χ^2/NDF : 12.9/19

Left In: -1221.802 ± 196.515 χ^2/NDF : 18.5/9

1250.503 ± 146.511 χ^2/NDF : 23.5/27

-1091.963 ± 142.718 χ^2/NDF : 32.3/29

reg_asym_right_dd_rms vs Slug



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

564.167 $\pm$ 0.104 χ^2 /NDF: 23242.6/27

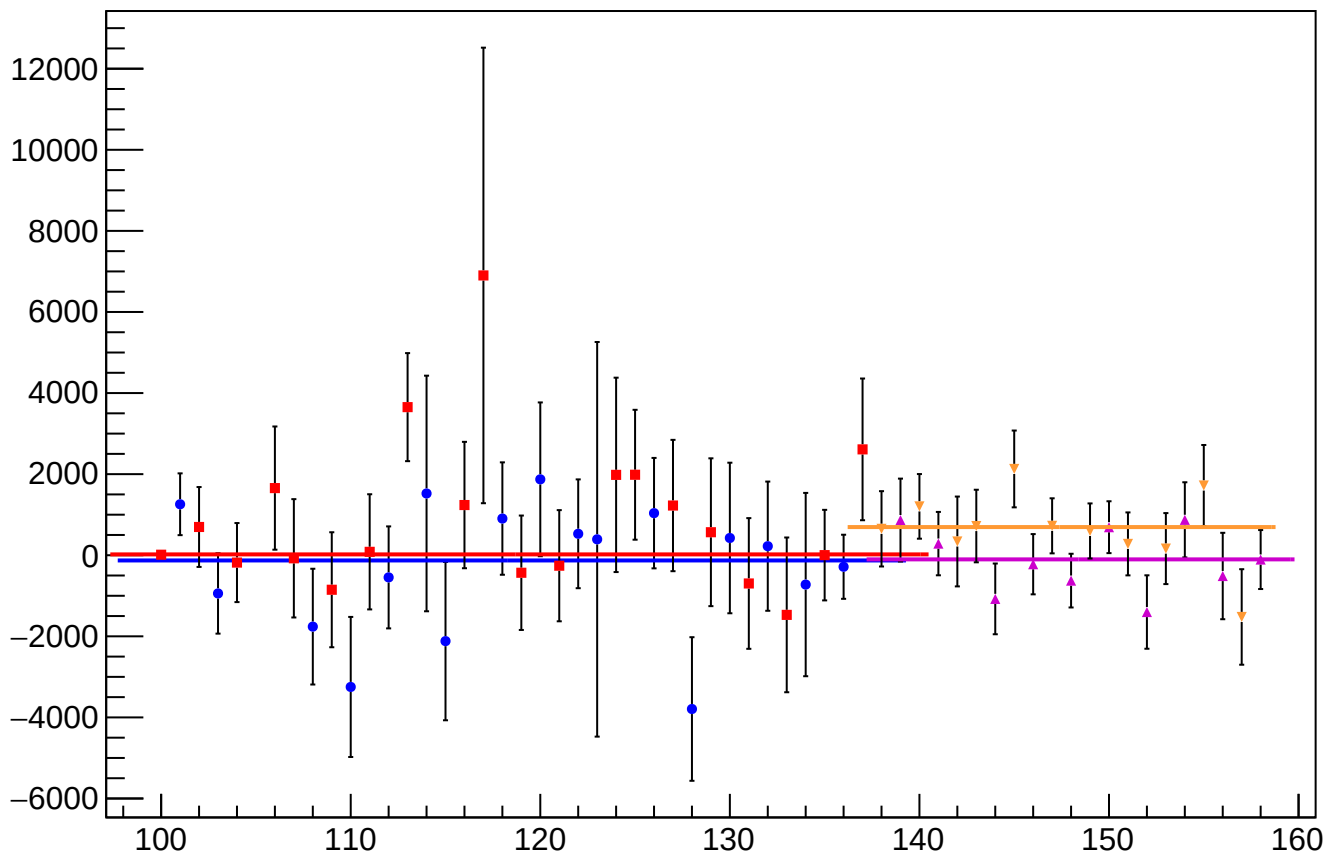
Left Out: 564.367 $\pm$ 0.140 χ^2 /NDF: 10575.0/10

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

558.774 $\pm$ 0.101 χ^2 /NDF: 143285.9/29

Left In: 562.691 $\pm$ 0.139 χ^2 /NDF: 9043.7/9

asym_right_dd_correction_mean vs Slug



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

Left Out: 694.698+/-258.778 χ^2 /NDF: 8.1/10

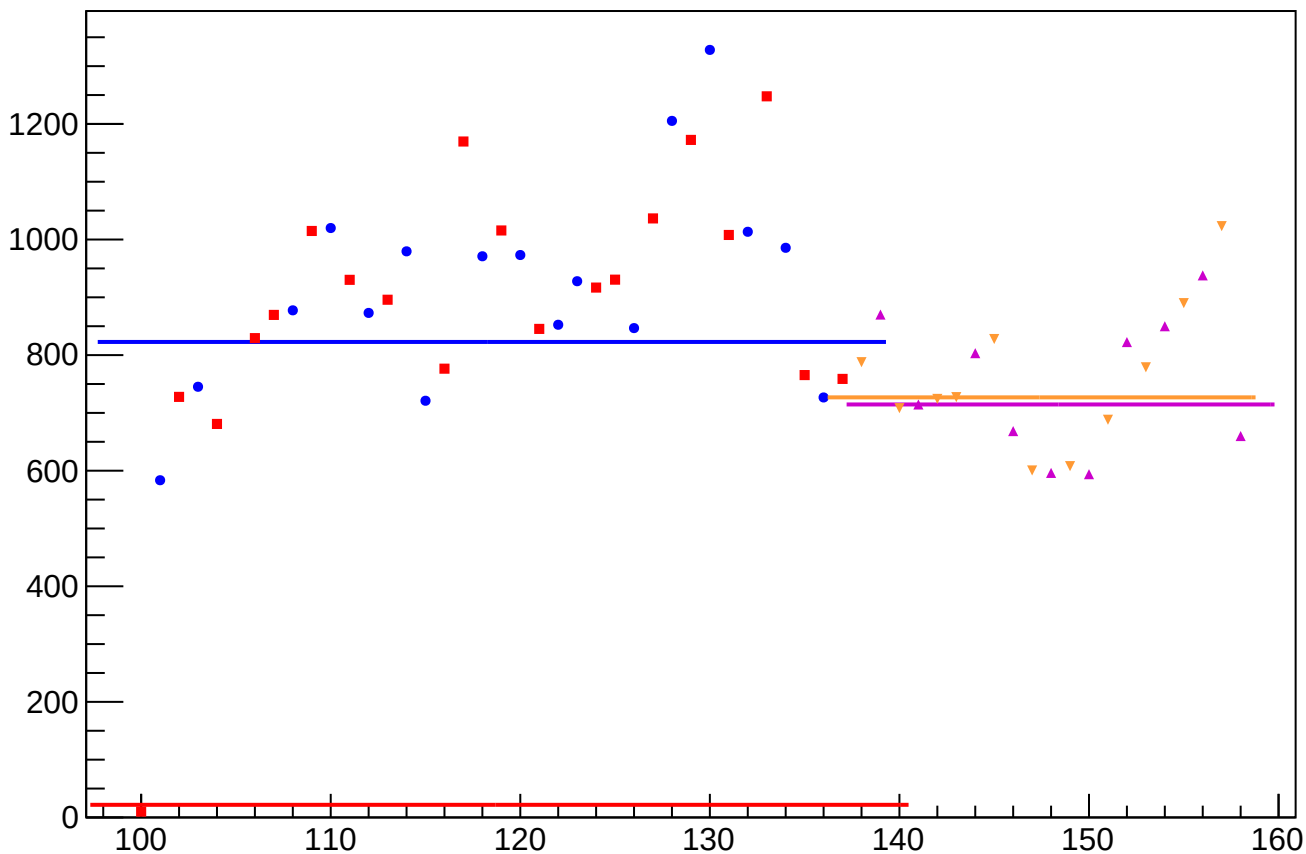
Right Out: 20.715+/-38.953 χ^2 /NDF: 17.6/19

Left In: -102.257+/-253.185 χ^2 /NDF: 7.9/9

378.422+/-203.087 χ^2 /NDF: 29.2/27

17.871+/-38.500 χ^2 /NDF: 25.7/29

asym_right_dd_correction_rms vs Slug



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

Left Out: 726.891 $\pm$ 0.183 χ^2 /NDF: 355059.9/10

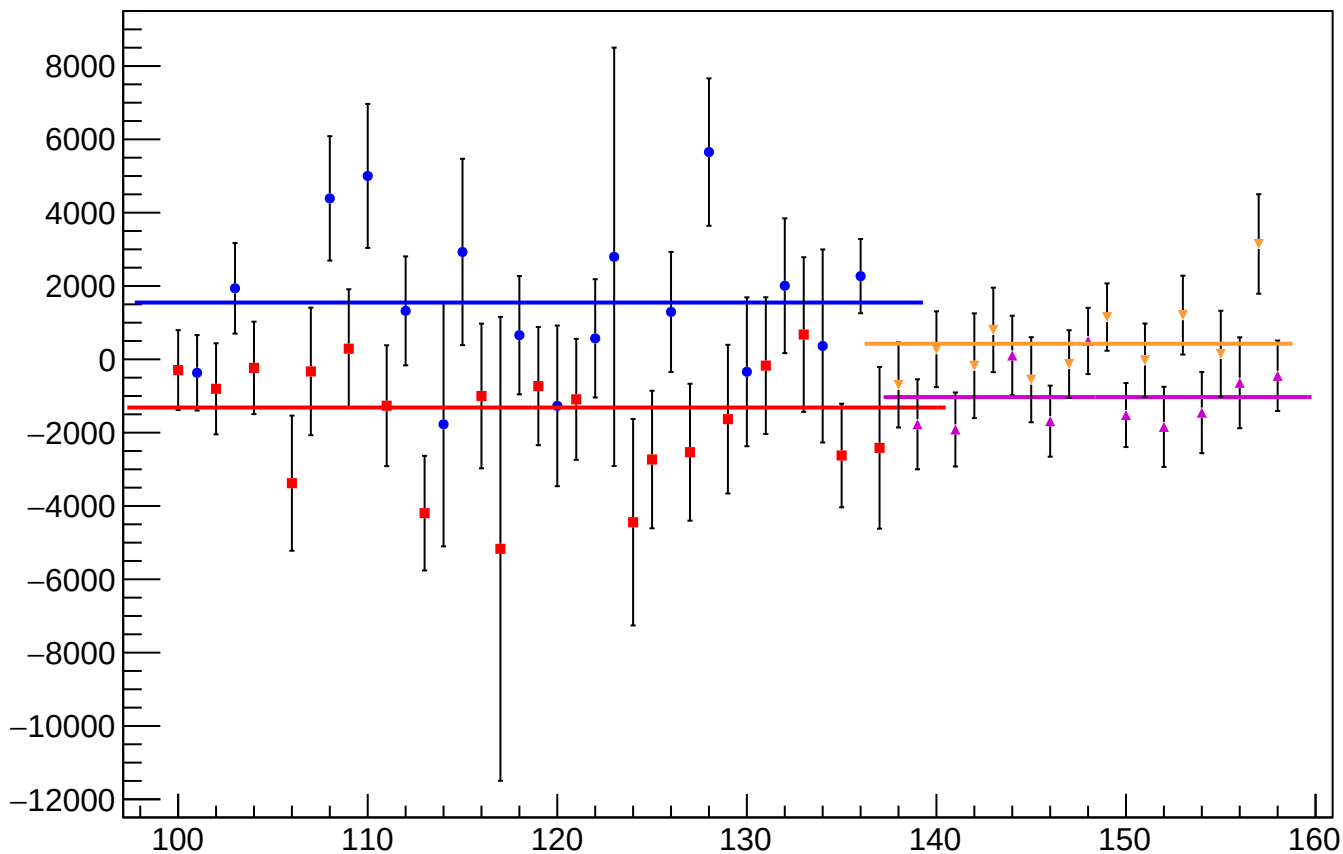
Right Out: 21.867 $\pm$ 0.028 χ^2 /NDF: 13607091.0/19

Left In: 714.606 $\pm$ 0.179 χ^2 /NDF: 380074.3/9

763.722 $\pm$ 0.144 χ^2 /NDF: 1061410.8/27

37.886 $\pm$ 0.027 χ^2 /NDF: 28613368.7/29

asym_right_dd_mean vs Slug



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

Left Out: 425.095 $\pm$ 330.632 χ^2 /NDF: 7.8/10

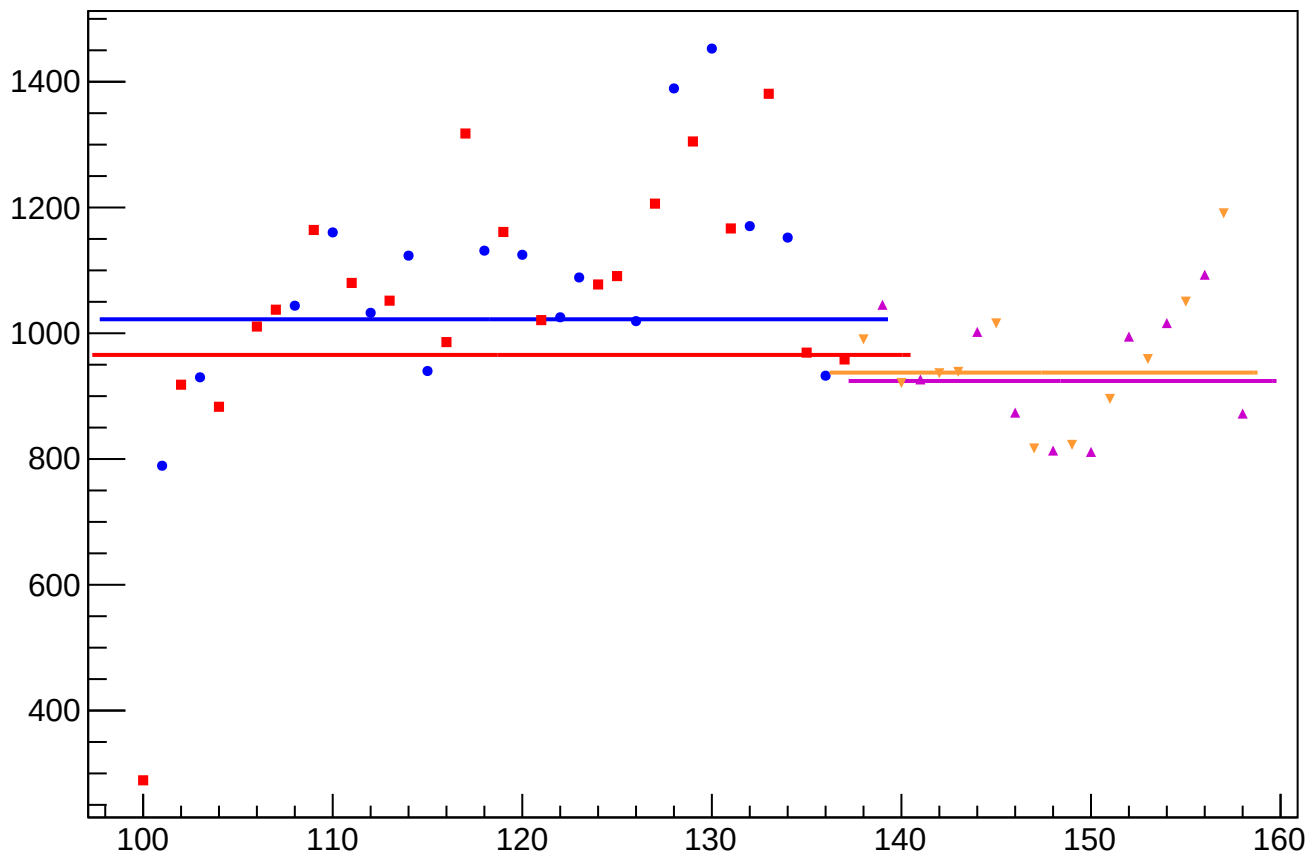
Right Out: -1314.562 $\pm$ 375.381 χ^2 /NDF: 12.9/19

Left In: -1029.961 $\pm$ 324.673 χ^2 /NDF: 7.0/9

878.531 $\pm$ 255.360 χ^2 /NDF: 31.4/27

-1151.754 $\pm$ 245.565 χ^2 /NDF: 20.3/29

asym_right_dd_rms vs Slug



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

Left Out: 937.456+/-0.234 χ^2/NDF : 171572.4/10

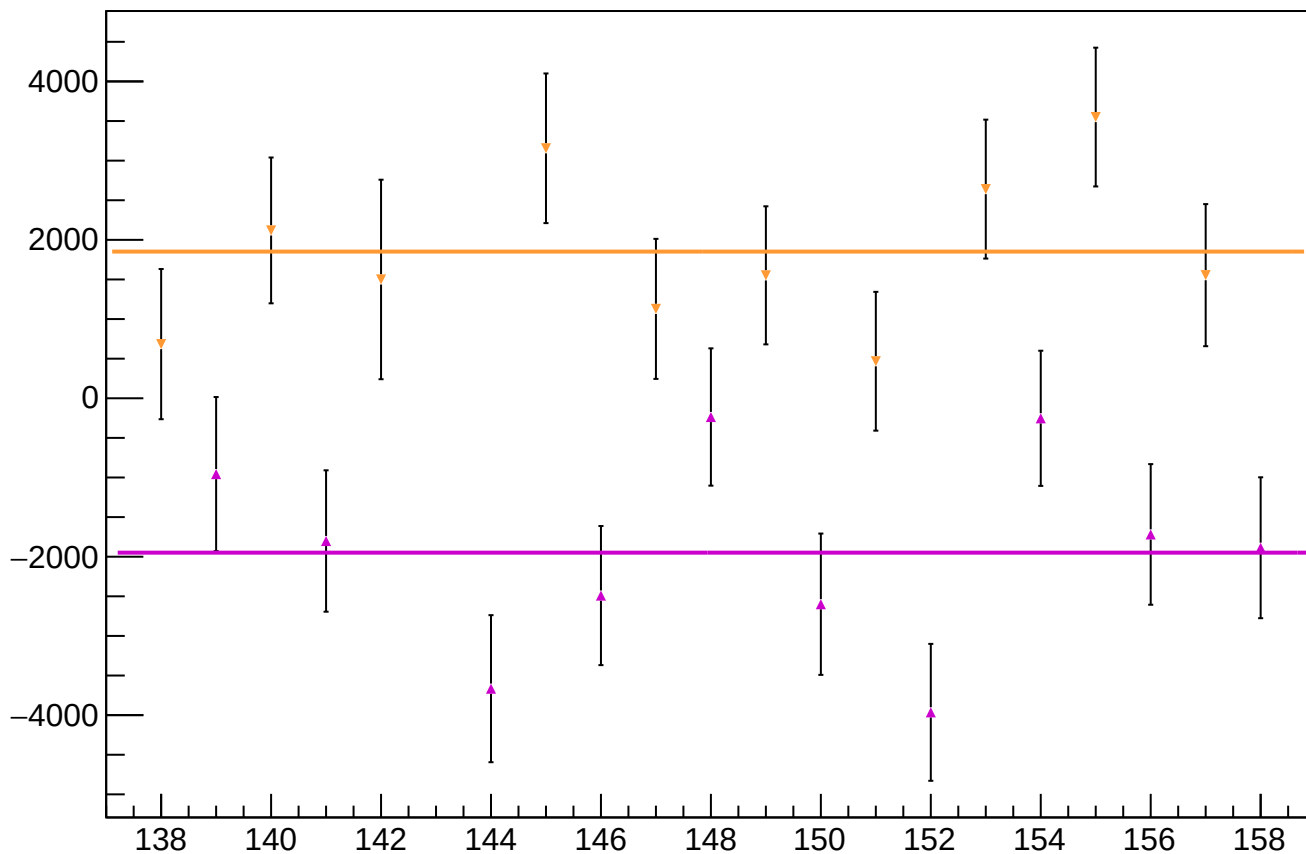
Right Out: 965.574+/-0.265 χ^2/NDF : 1073497.1/19

Left In: 924.126+/-0.230 χ^2/NDF : 163879.7/9

971.666+/-0.181 χ^2/NDF : 556504.7/27

941.863+/-0.174 χ^2/NDF : 1251325.4/29

cor_asym_us_avg_mean vs Slug



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

Left Out: 1851.912+/-291.231 χ^2/NDF :11.5/9

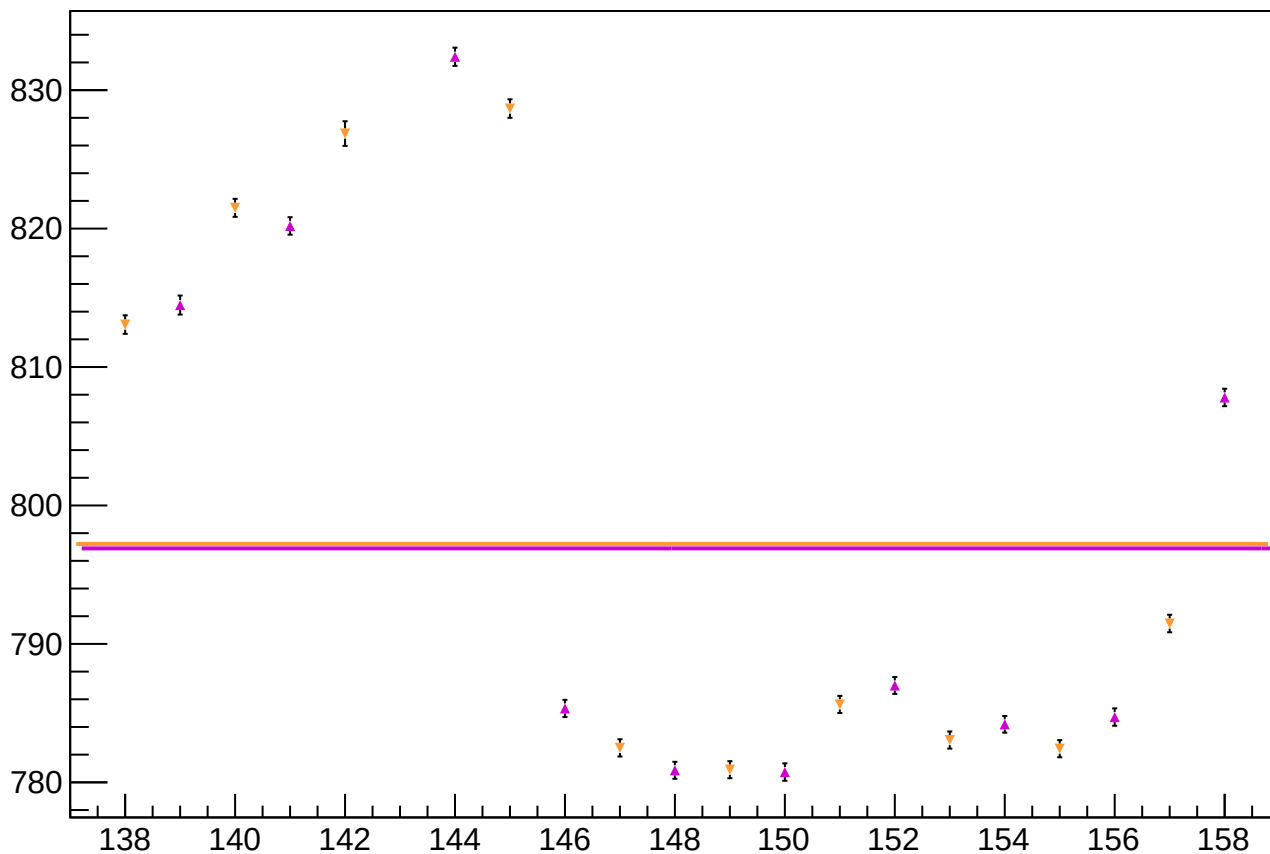
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -1948.860+/-281.669 χ^2/NDF :18.8/9

1851.912+/-291.231 χ^2/NDF : 11.5/9

-1948.860+/-281.669 χ^2/NDF : 18.8/9

cor_asym_us_avg_rms vs Slug



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

Left Out: 797.217+/-0.206 χ^2/NDF : 8055.3/9

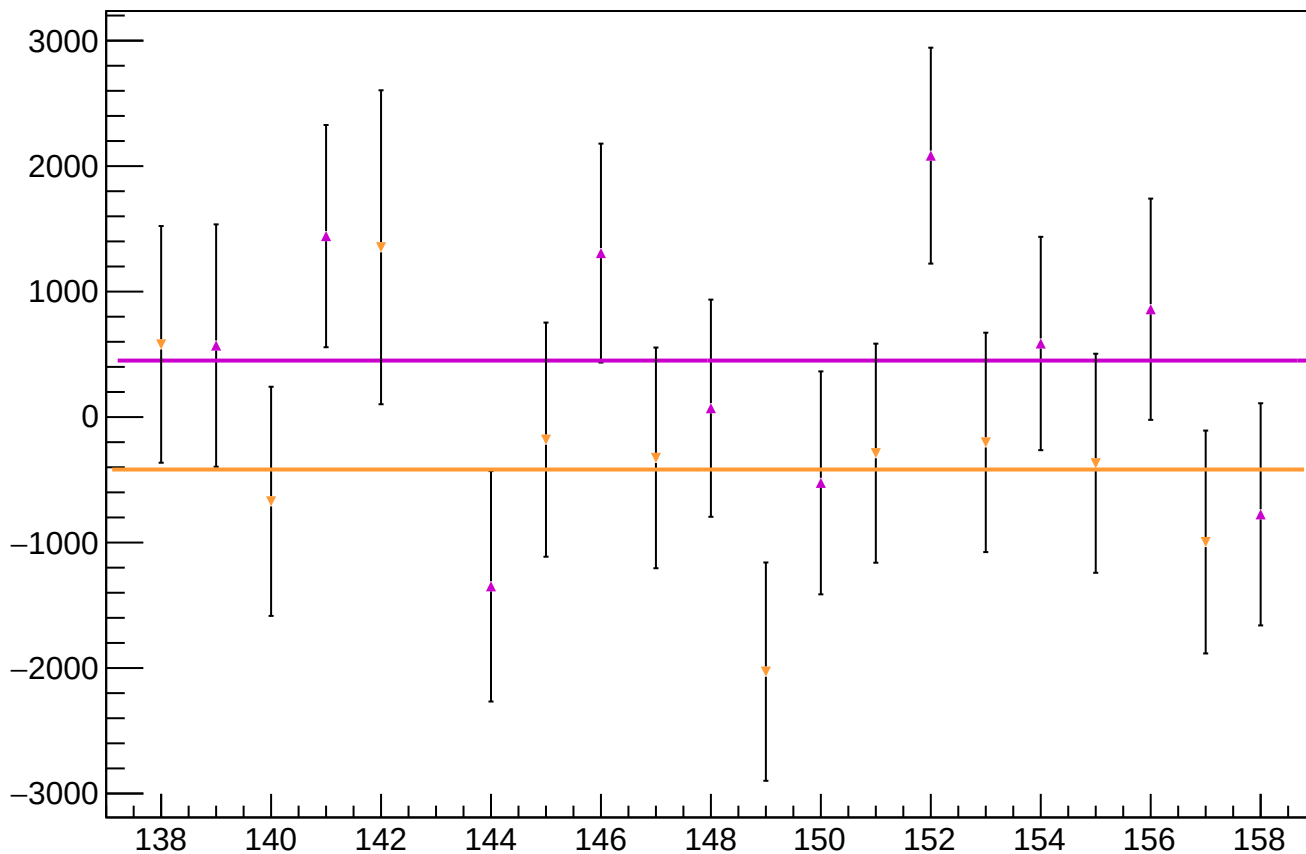
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 796.898+/-0.199 χ^2/NDF : 8013.3/9

797.217+/-0.206 χ^2/NDF : 8055.3/9

796.898+/-0.199 χ^2/NDF : 8013.3/9

cor_asym_us_dd_mean vs Slug



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

Left Out: -417.945+/-289.560 χ^2/NDF : 7.2/9

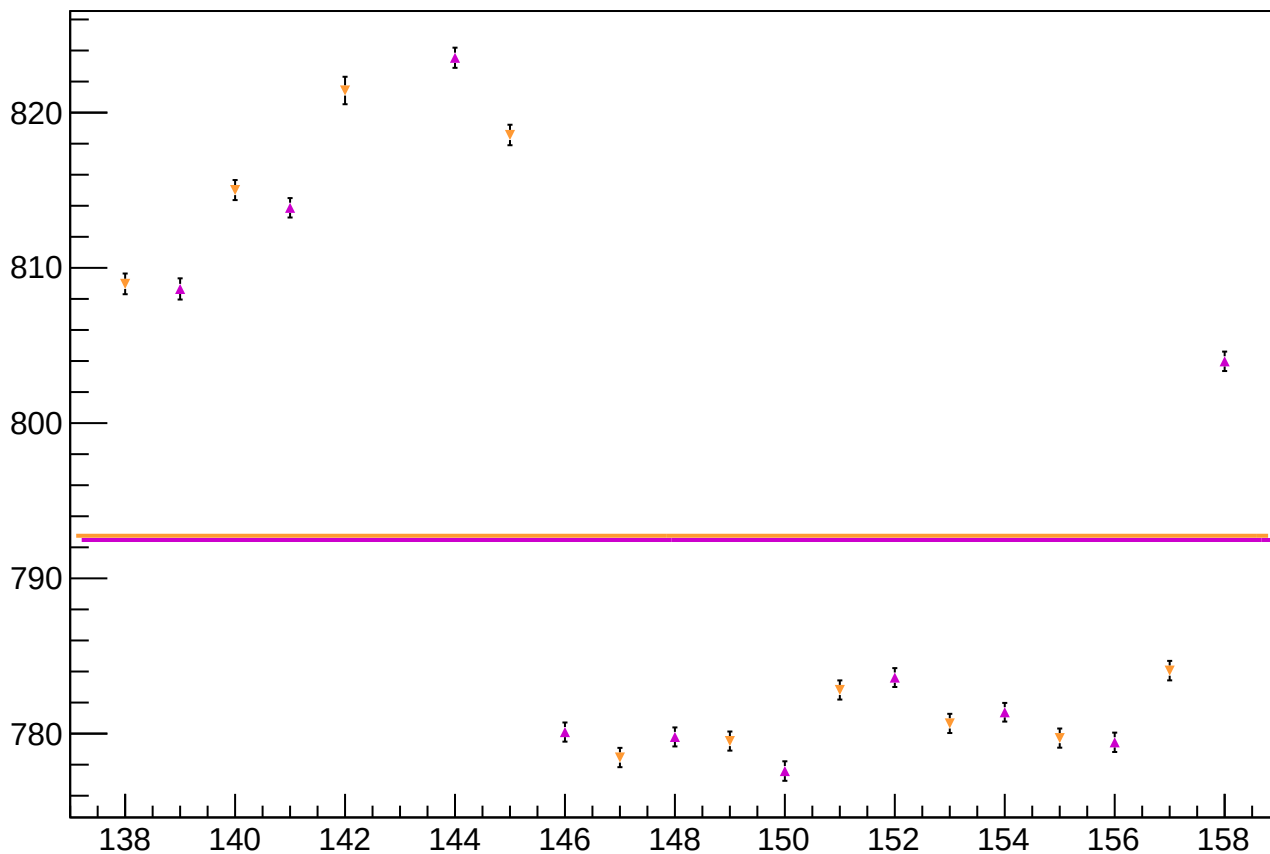
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 450.398+/-280.087 χ^2/NDF : 13.2/9

-417.945+/-289.560 χ^2/NDF : 7.2/9

450.398+/-280.087 χ^2/NDF : 13.2/9

cor_asym_us_dd_rms vs Slug



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

Left Out: 792.745+/-0.205 χ^2/NDF : 6631.9/9

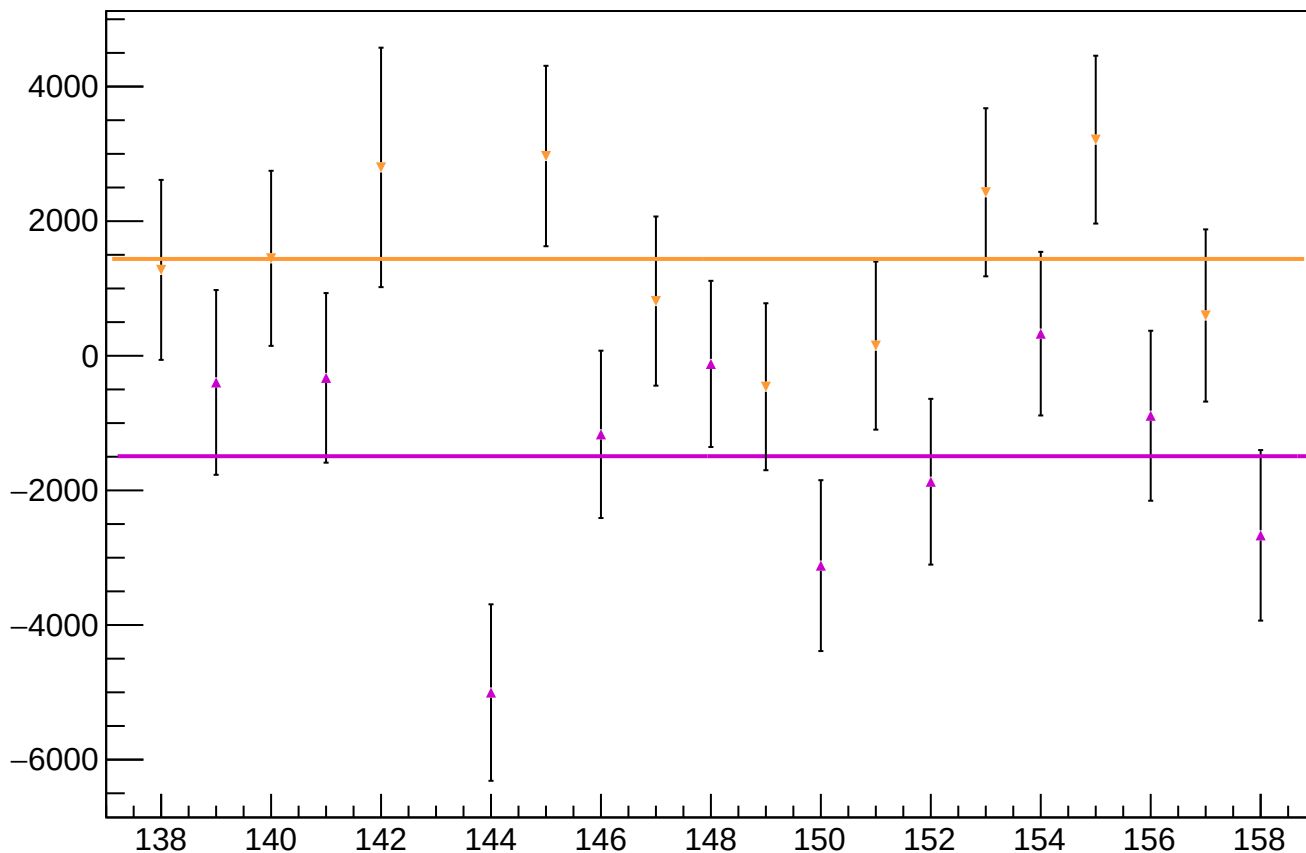
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 792.472+/-0.198 χ^2/NDF : 6738.2/9

792.745+/-0.205 χ^2/NDF : 6631.9/9

792.472+/-0.198 χ^2/NDF : 6738.2/9

cor_asym_usl_mean vs Slug



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

Left Out: 1438.789+/-413.667 χ^2/NDF : 8.6/9

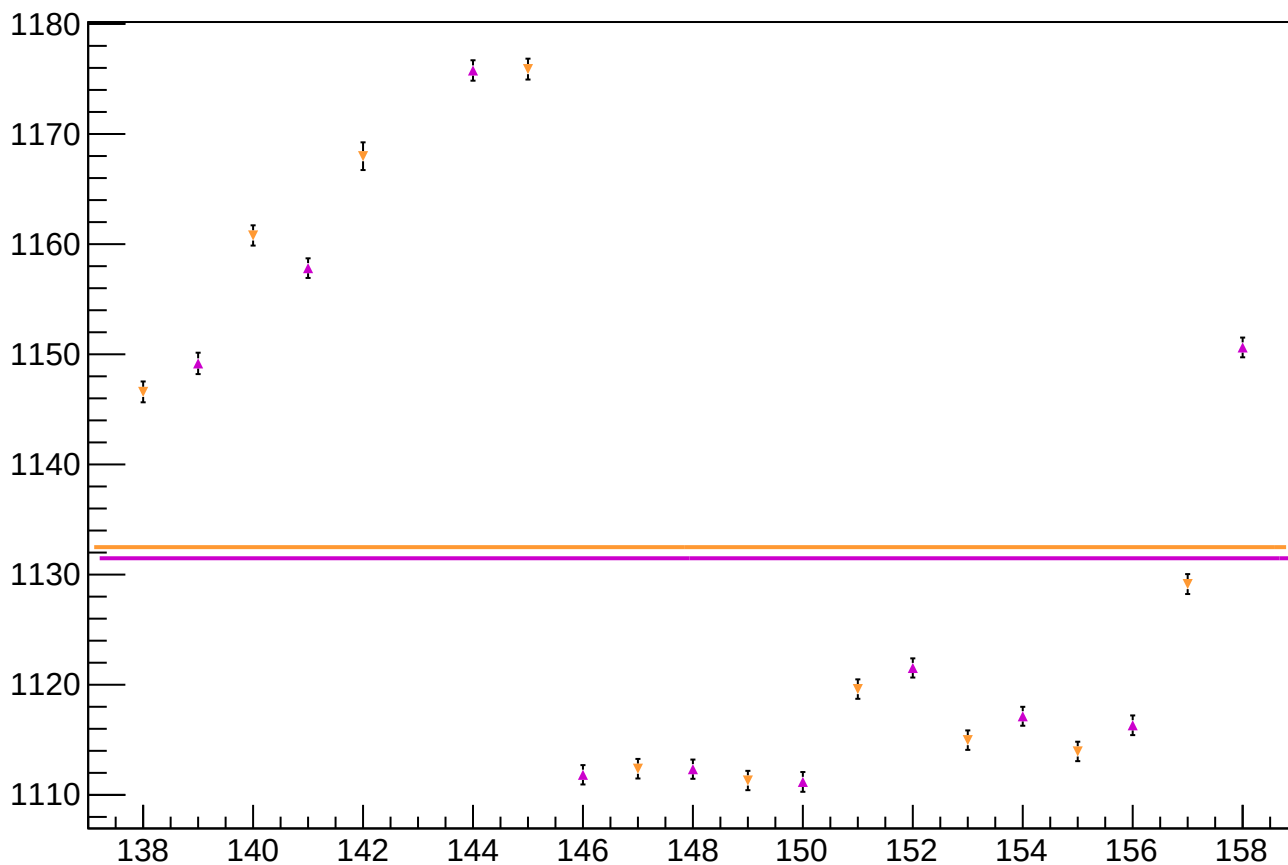
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -1491.968+/-399.901 χ^2/NDF : 15.0/9

1438.789+/-413.667 χ^2/NDF : 8.6/9

-1491.968+/-399.901 χ^2/NDF : 15.0/9

cor_asym_usl_rms vs Slug



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

Left Out: 1132.493+/-0.293 χ^2/NDF : 6221.4/9

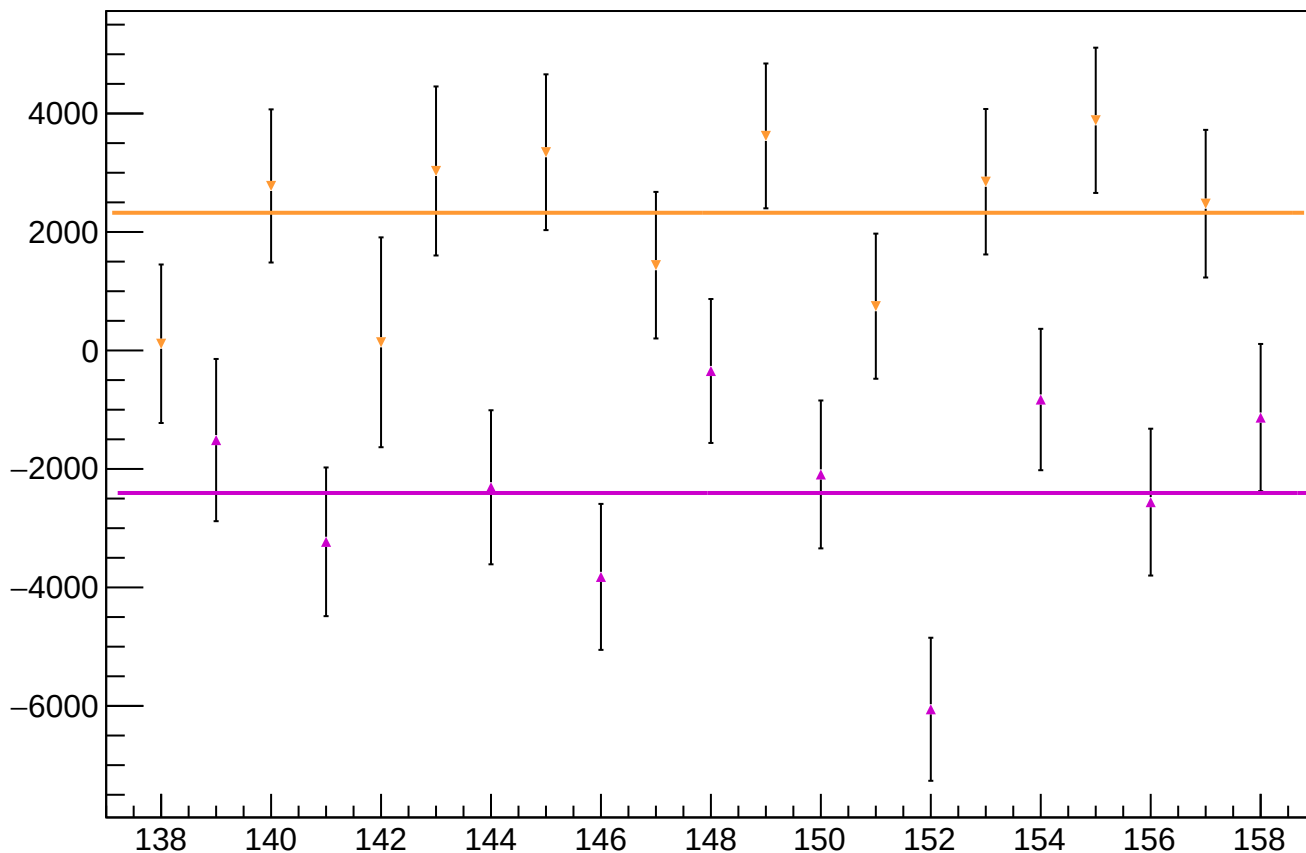
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1131.483+/-0.283 χ^2/NDF : 6135.5/9

1132.493+/-0.293 χ^2/NDF : 6221.4/9

1131.483+/-0.283 χ^2/NDF : 6135.5/9

cor_asym_usr_mean vs Slug



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

Left Out: 2324.379+/-392.003 χ^2/NDF : 10.3/10

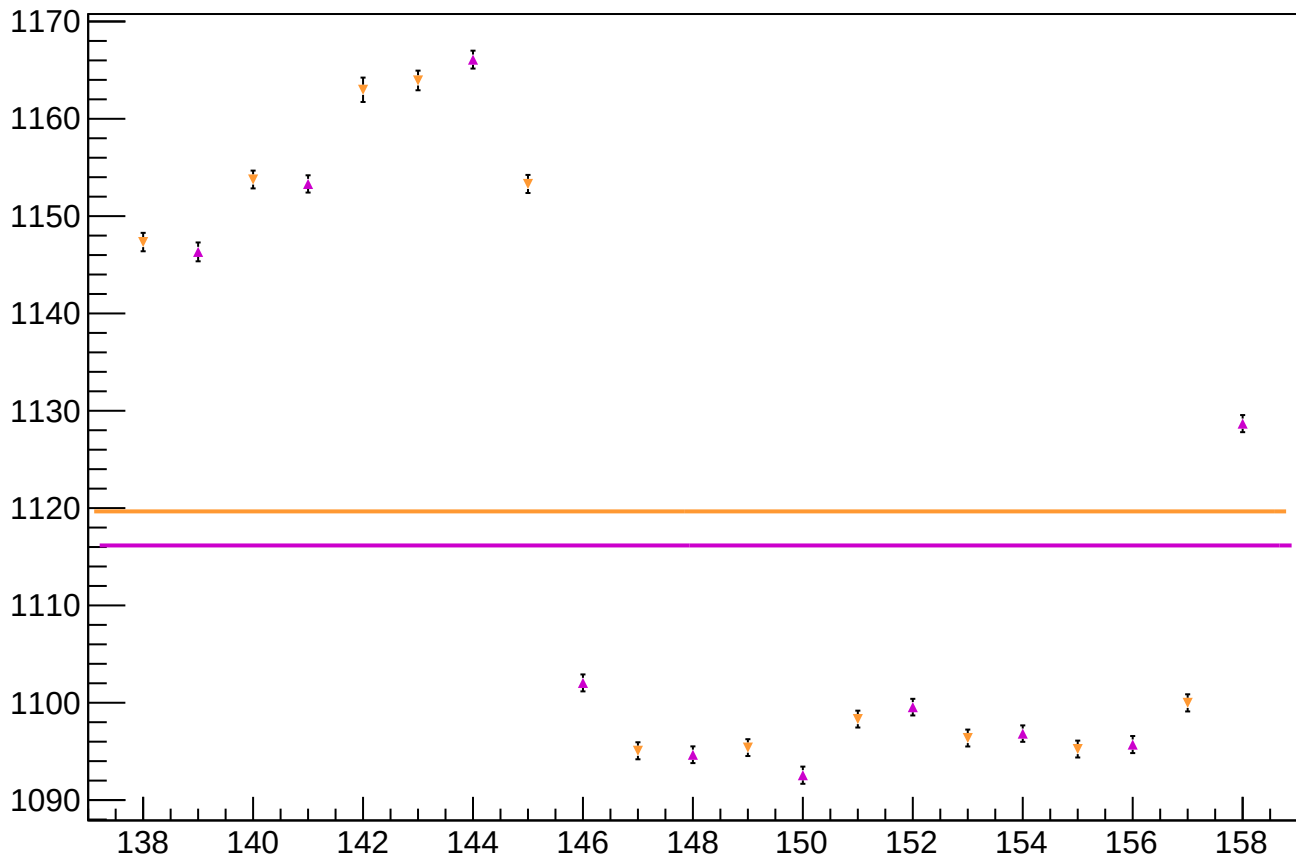
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -2405.677+/-394.520 χ^2/NDF : 17.1/9

2324.379+/-392.003 χ^2/NDF : 10.3/10

-2405.677+/-394.520 χ^2/NDF : 17.1/9

cor_asym_usr_rms vs Slug



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

Left Out: 1119.661+/-0.277 χ^2/NDF : 10878.0/10

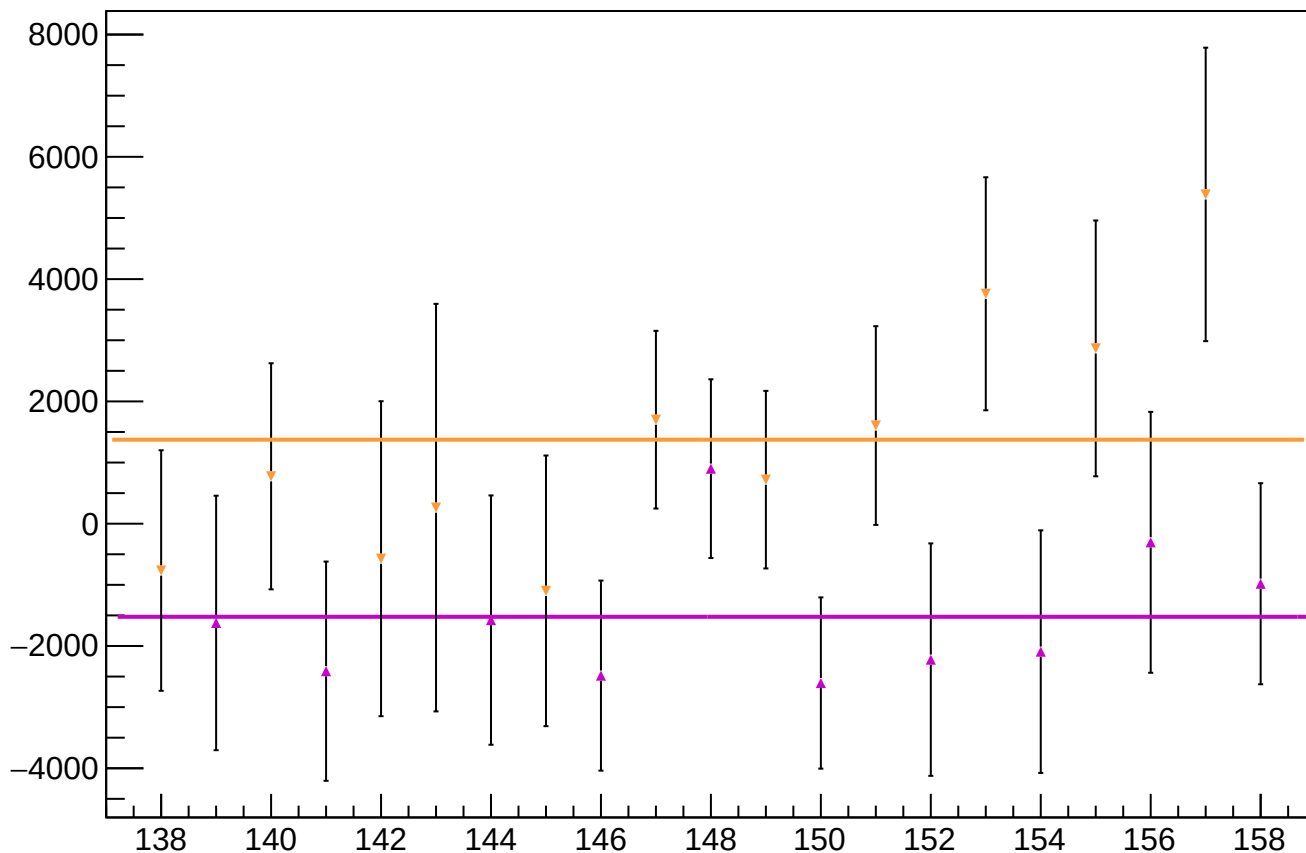
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1116.161+/-0.279 χ^2/NDF : 8927.5/9

1119.661+/-0.277 χ^2/NDF : 10878.0/10

1116.161+/-0.279 χ^2/NDF : 8927.5/9

asym_us_agg_avg_mean vs Slug



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

Left Out: 1374.194+/-577.339 χ^2/NDF : 8.4/10

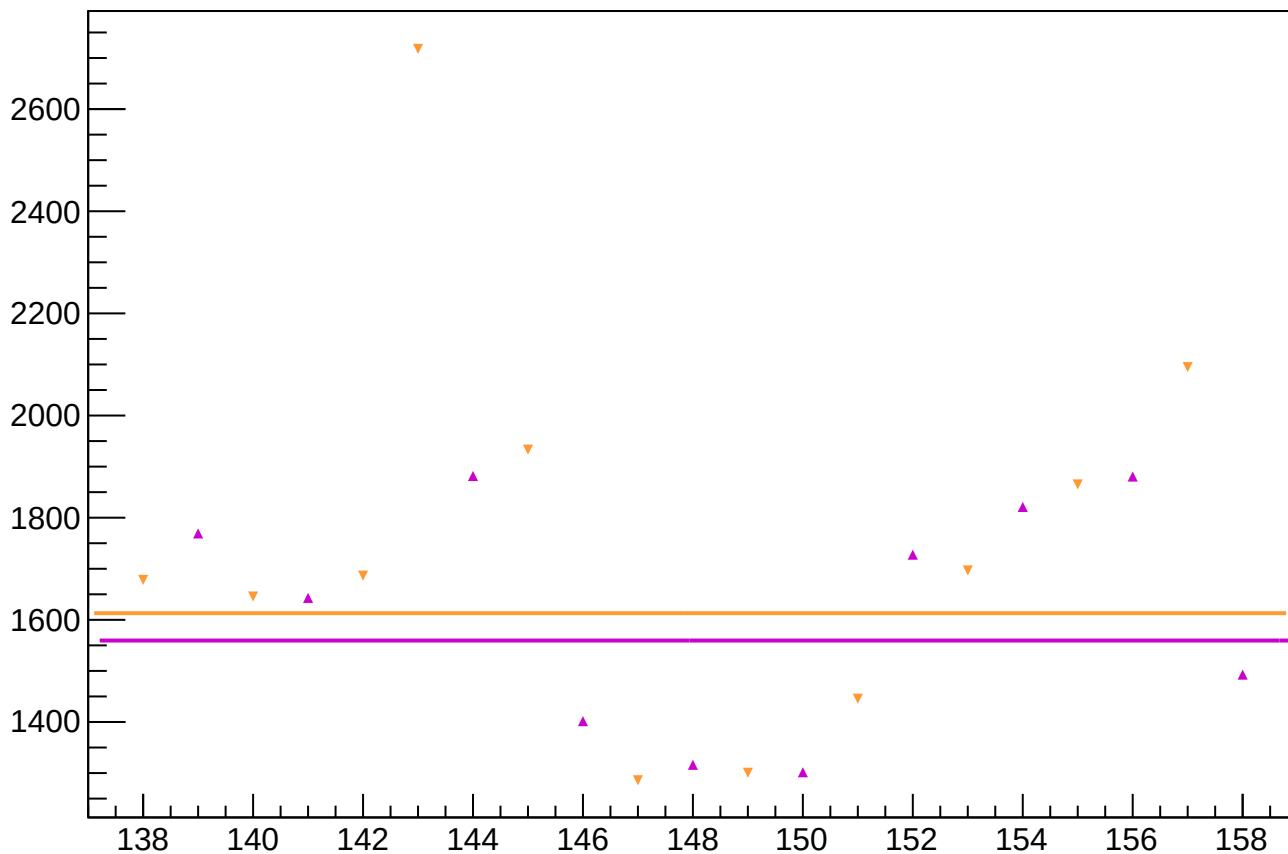
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -1522.830+/-550.918 χ^2/NDF : 4.6/9

1374.194+/-577.339 χ^2/NDF : 8.4/10

-1522.830+/-550.918 χ^2/NDF : 4.6/9

asym_us_agg_avg_rms vs Slug



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

Left Out: 1613.042+/-0.408 χ^2/NDF : 594917.1/10

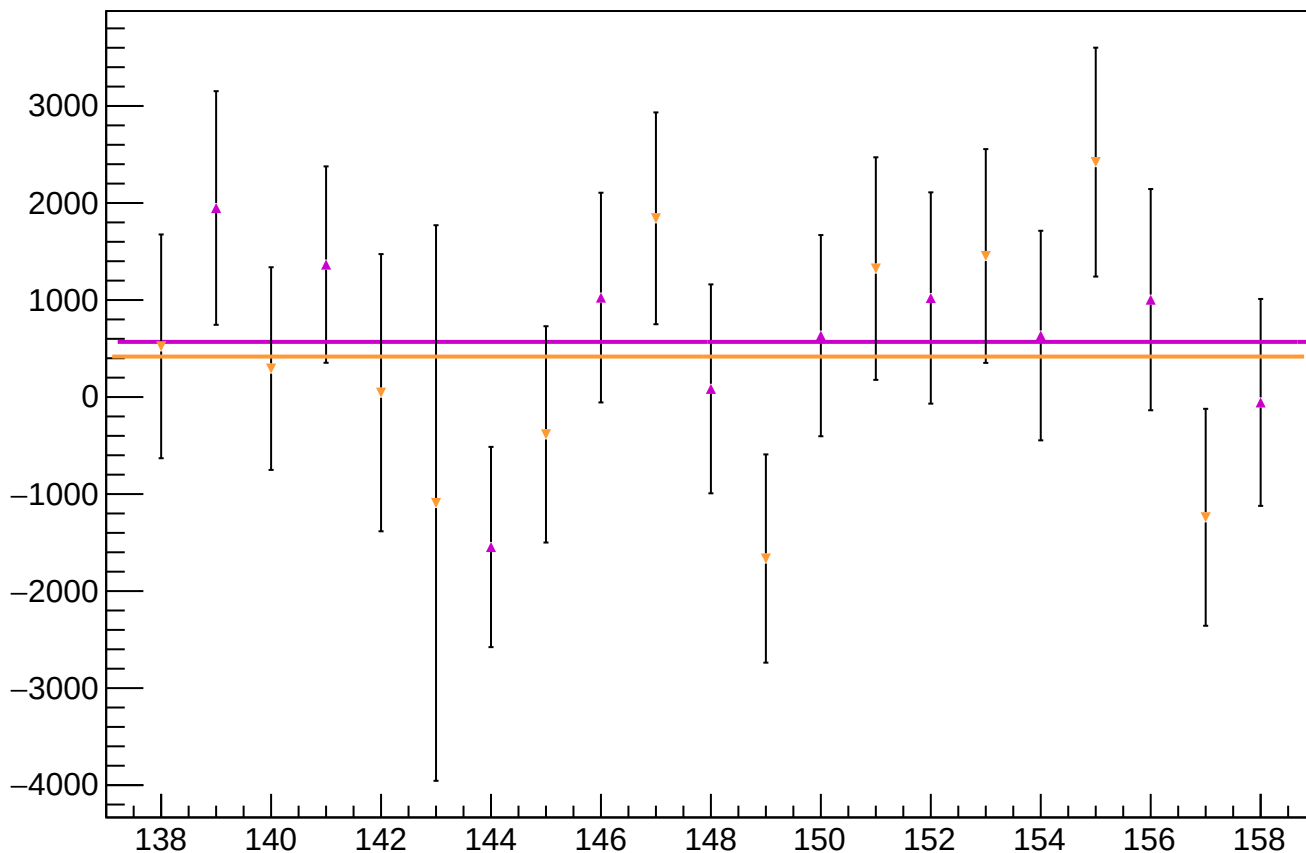
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1559.500+/-0.390 χ^2/NDF : 317457.5/9

1613.042+/-0.408 χ^2/NDF : 594917.1/10

1559.500+/-0.390 χ^2/NDF : 317457.5/9

asym_us_agg_dd_mean vs Slug



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

Left Out: 417.329 $\pm$ 355.895 χ^2 /NDF:12.9/10

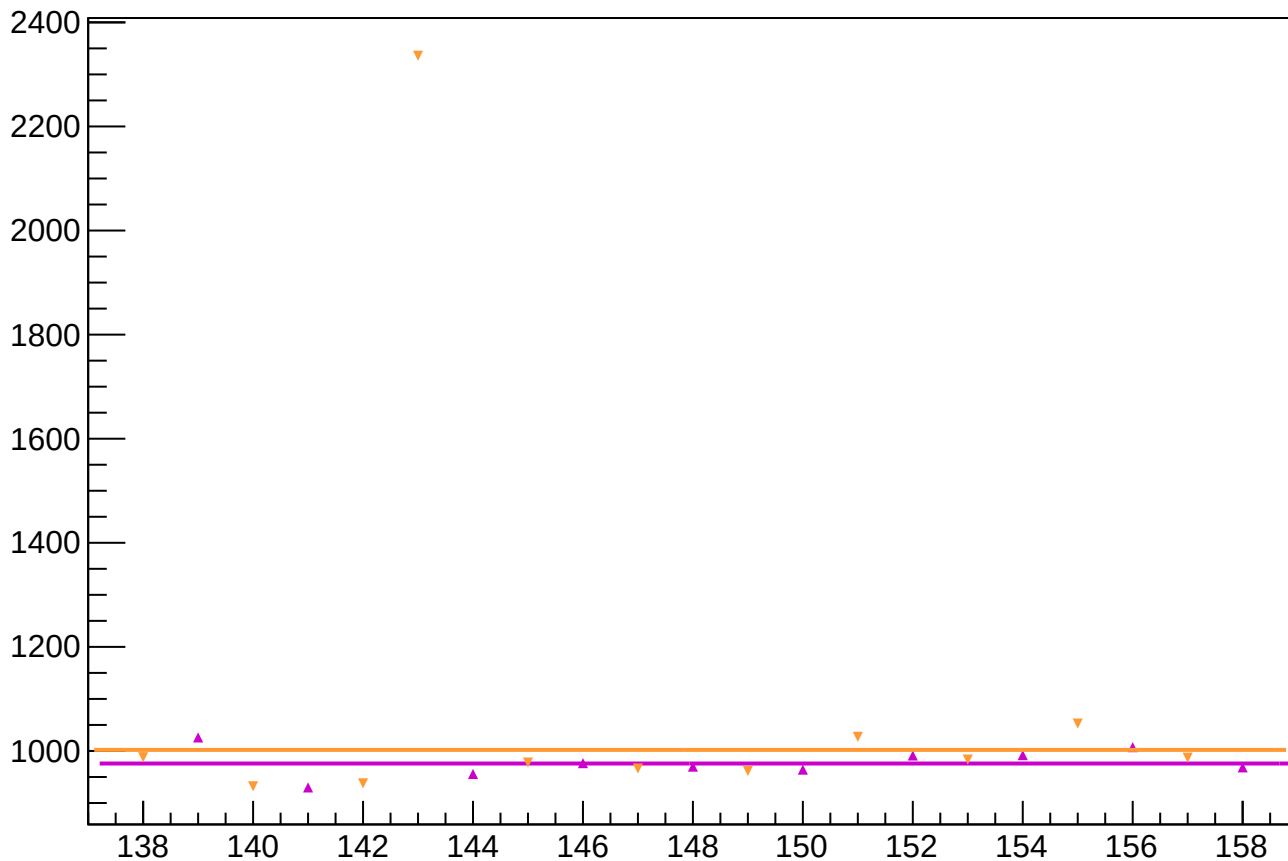
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 568.609 $\pm$ 340.937 χ^2 /NDF:7.2/9

417.329 $\pm$ 355.895 χ^2 /NDF: 12.9/10

568.609 $\pm$ 340.937 χ^2 /NDF: 7.2/9

asym_us_agg_dd_rms vs Slug



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

Left Out: 1002.070+/-0.252 χ^2/NDF : 458849.0/10

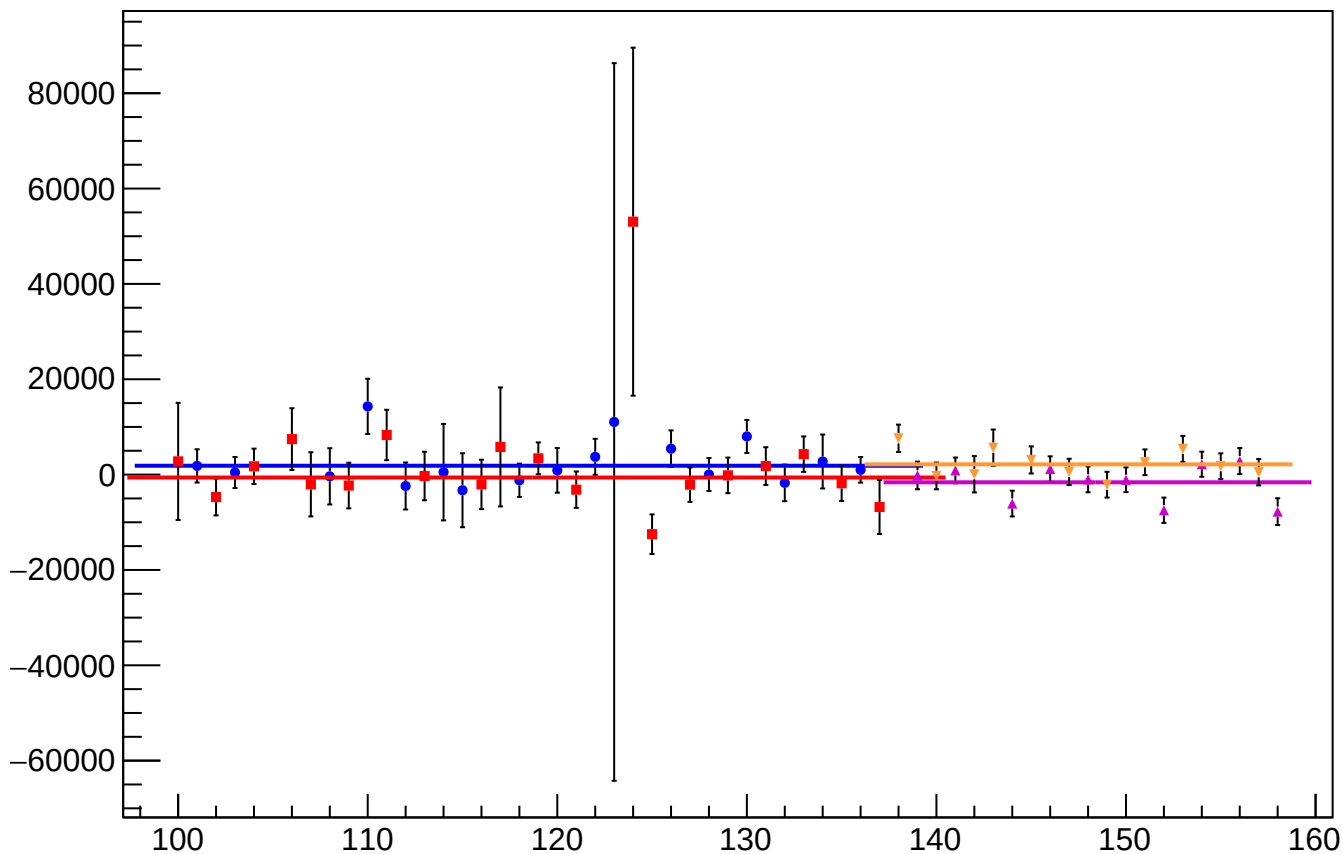
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 975.889+/-0.241 χ^2/NDF : 11127.6/9

1002.070+/-0.252 χ^2/NDF : 458849.0/10

975.889+/-0.241 χ^2/NDF : 11127.6/9

reg_asym_atl1_mean vs Slug



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

Left Out: 2149.933+/-871.295 χ^2/NDF : 10.2/10

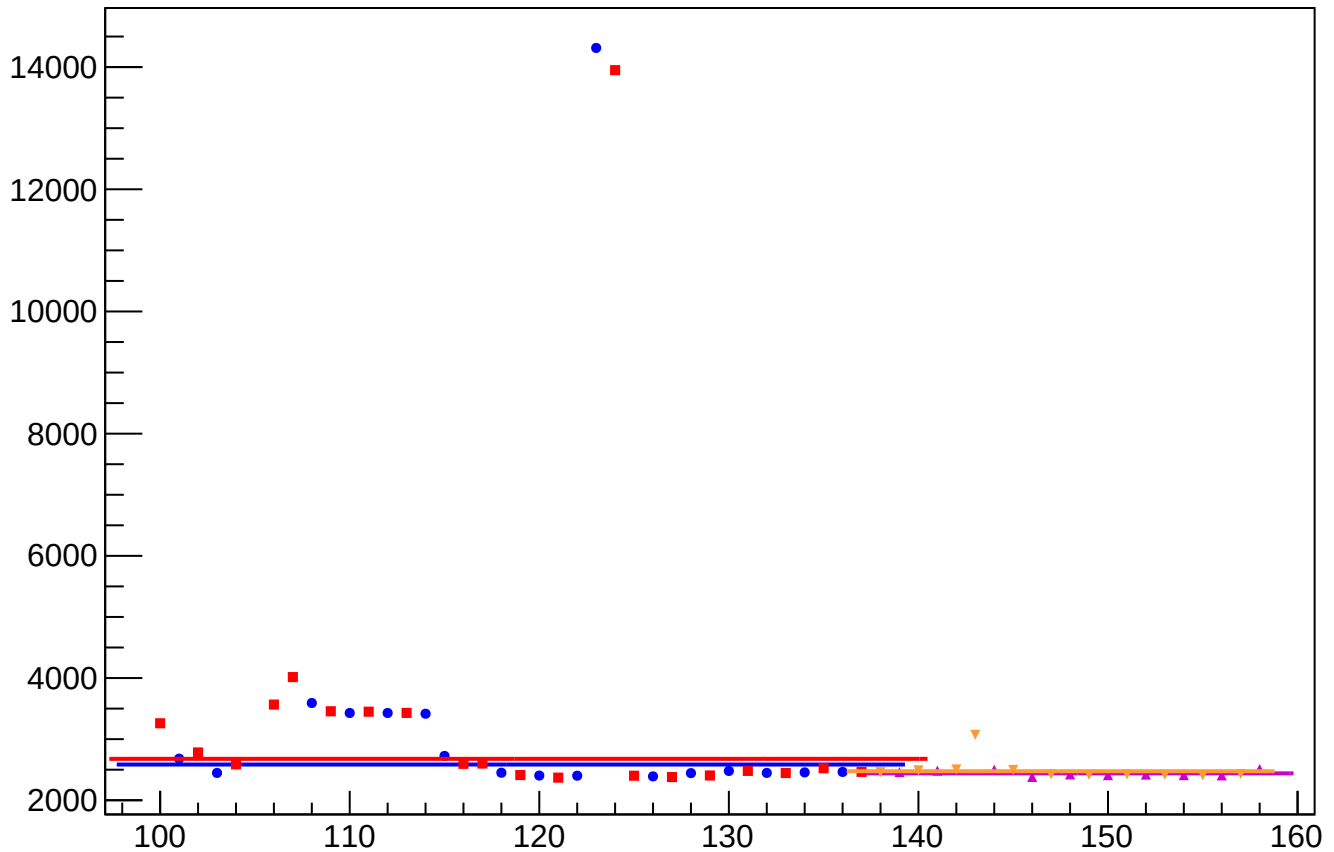
Right Out: -611.041+/-1020.345 χ^2/NDF : 22.3/19

Left In: -1614.795+/-855.485 χ^2/NDF : 19.4/9

2026.610+/-660.687 χ^2/NDF : 22.8/27

-1200.458+/-655.557 χ^2/NDF : 42.3/29

reg_asym_atl1_rms vs Slug



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

Left Out: 2475.024+/-0.616 χ^2/NDF : 54564.1/10

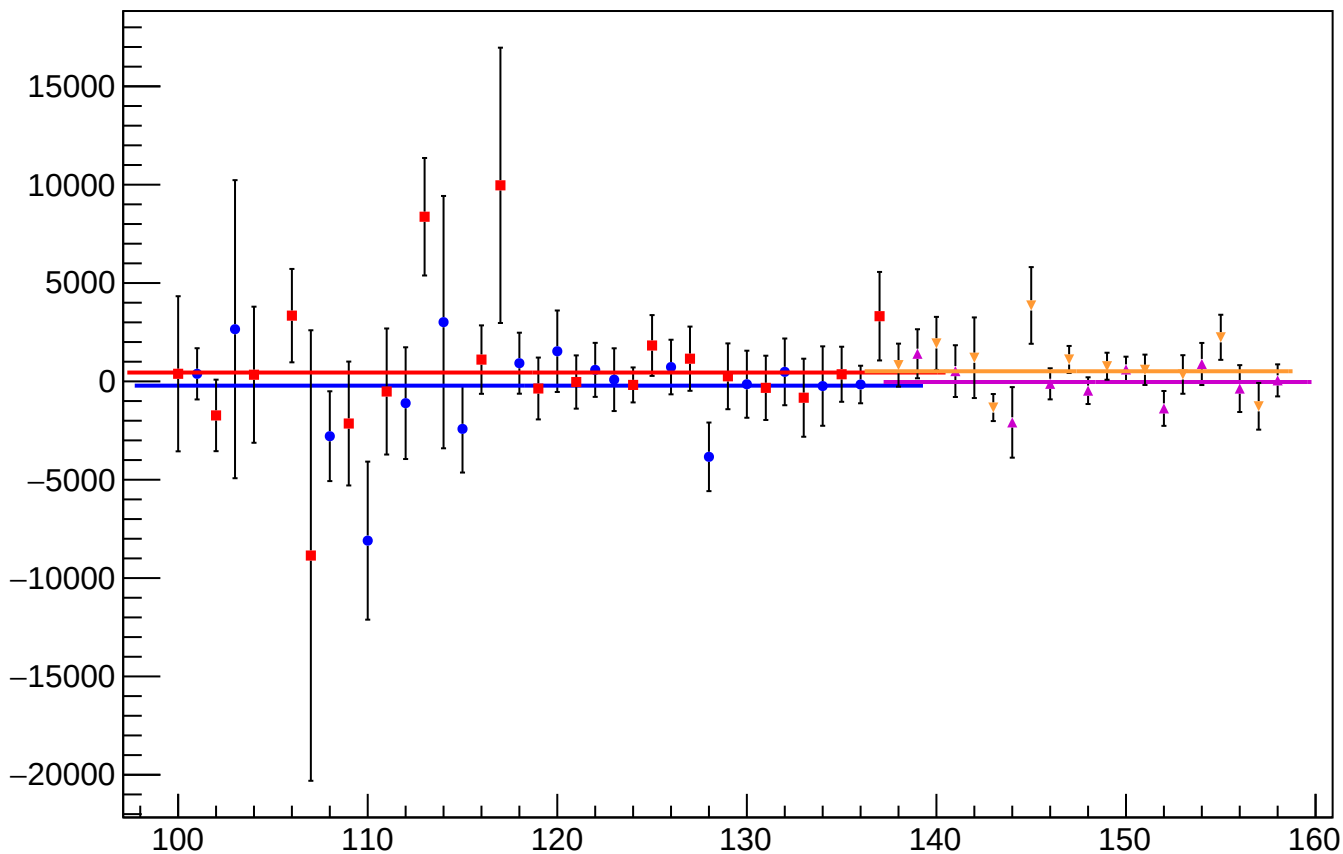
2521.688+/-0.467 χ^2/NDF : 323772.2/27

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

2538.075+/-0.464 χ^2/NDF : 600884.7/29

Left In: 2439.916+/-0.605 χ^2/NDF : 4923.8/9

asym_atl1_correction_mean vs Slug



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

Left Out: 514.479 ± 283.619 $\chi^2/\text{NDF}: 16.9/10$

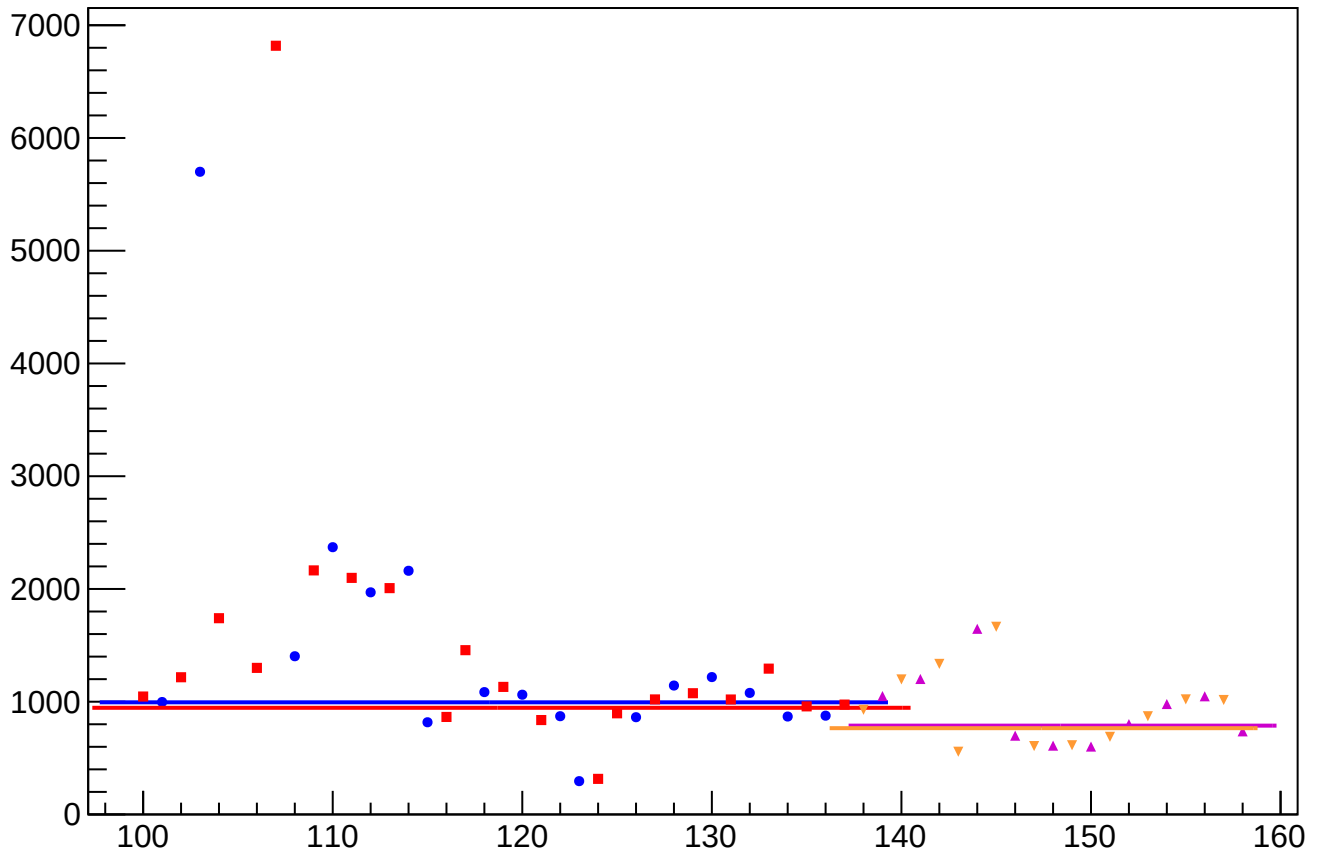
Right Out: 449.702 ± 408.279 $\chi^2/\text{NDF}: 17.5/19$

Left In: -31.801 ± 288.353 $\chi^2/\text{NDF}: 7.3/9$

285.439 ± 235.060 $\chi^2/\text{NDF}: 32.4/27$

128.445 ± 235.533 $\chi^2/\text{NDF}: 25.8/29$

asym_atl1_correction_rms vs Slug



Right In: 994.541+/-0.297 χ^2/NDF : 1904549.2/16

Left Out: 765.236+/-0.201 χ^2/NDF :1450450.9/10

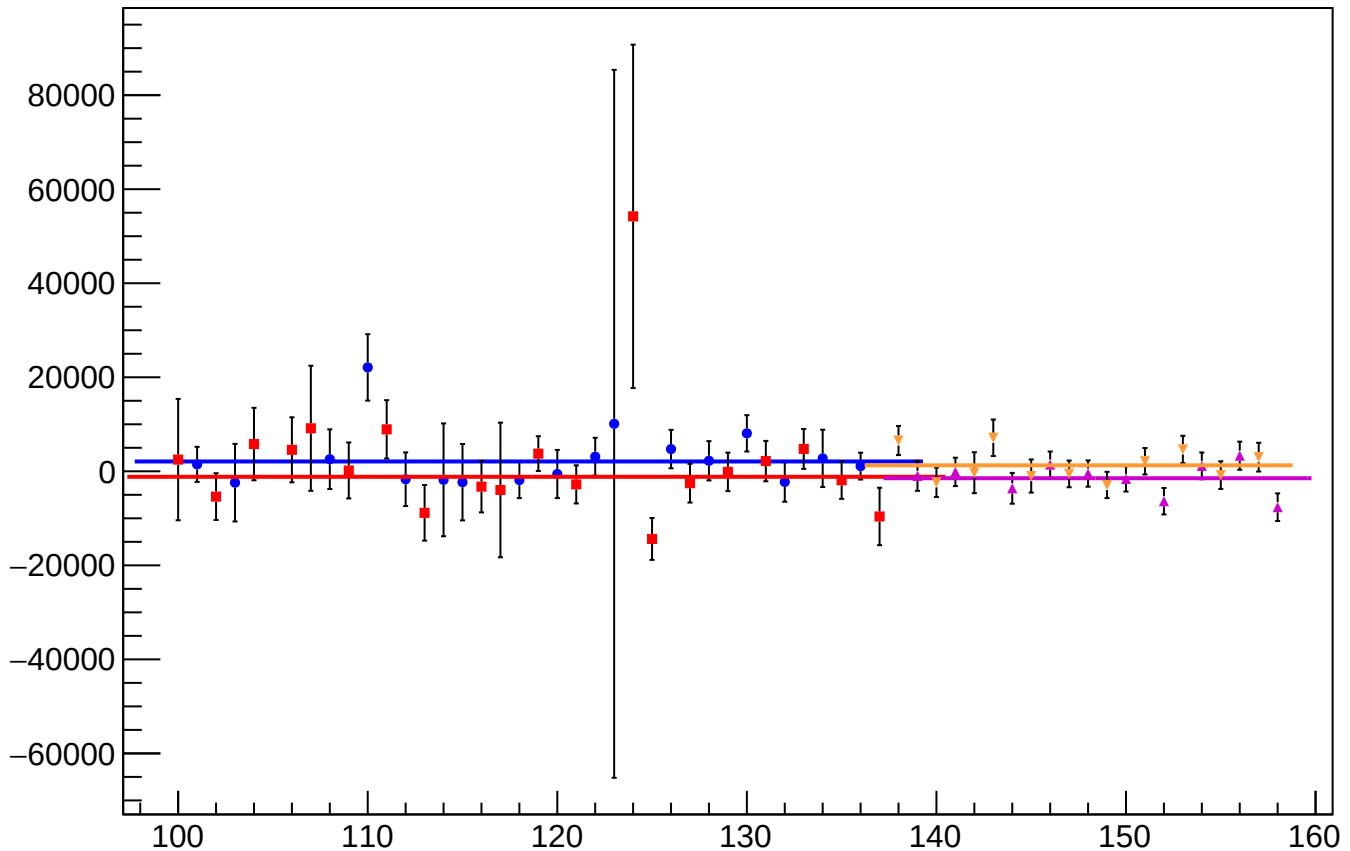
Right Out: 946.032+/-0.289 χ^2/NDF : 2676710.2/19

Left In: 787.778+/-0.204 χ^2/NDF :1238076.2/9

837.034+/-0.166 χ^2/NDF : 3764338.9/27

840.446+/-0.167 χ^2/NDF : 4115268.6/29

asym_atl1_mean vs Slug



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

Left Out: 1273.372+/-942.553 χ^2/NDF : 12.0/10

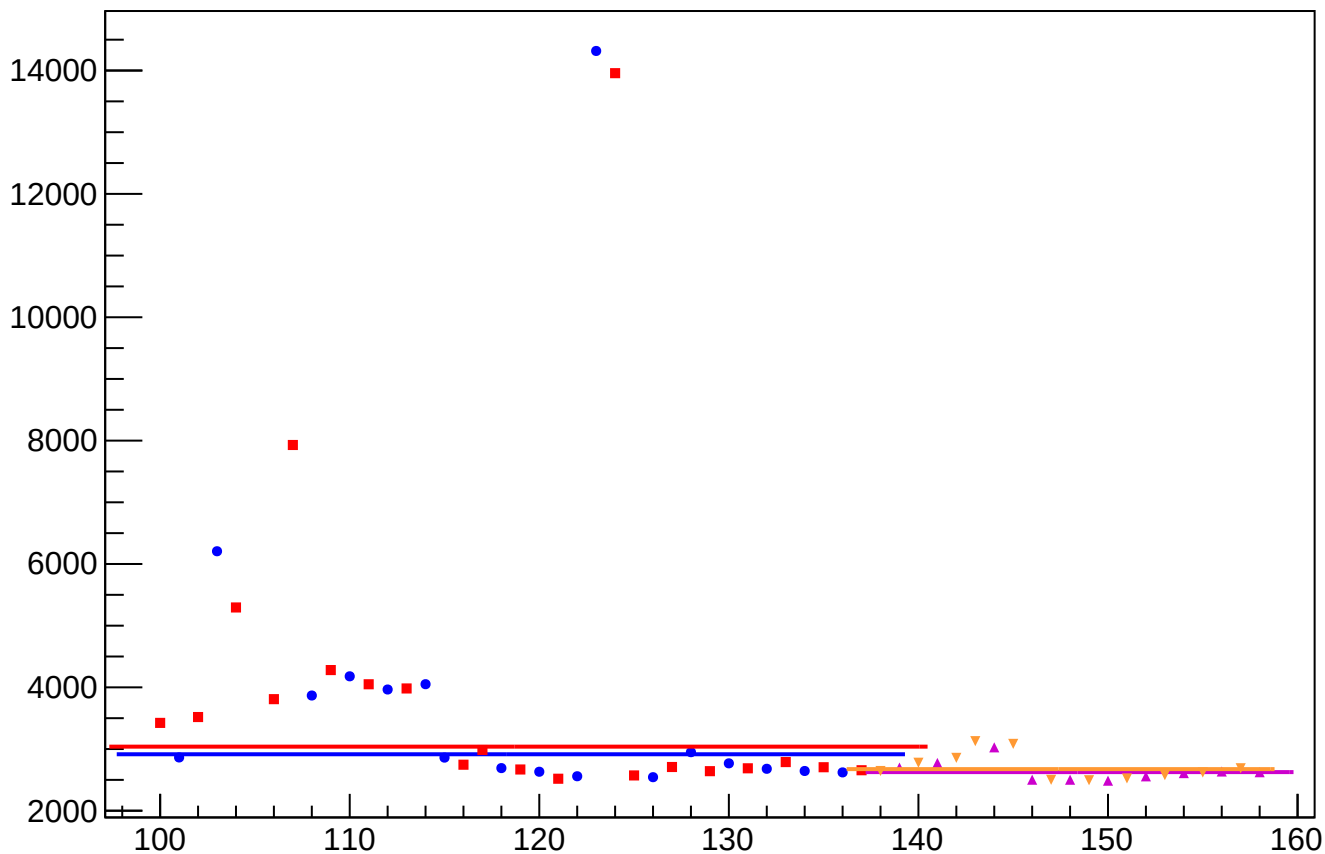
Right Out: -1167.038+/-1182.950 χ^2/NDF : 25.2/19

Left In: -1472.137+/-922.071 χ^2/NDF : 12.7/9

1599.590+/-731.619 χ^2/NDF : 26.9/27

-1356.827+/-727.243 χ^2/NDF : 37.9/29

asym_atl1_rms vs Slug



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

Left Out: 2674.342+/-0.666 χ^2 /NDF: 84700.1/10

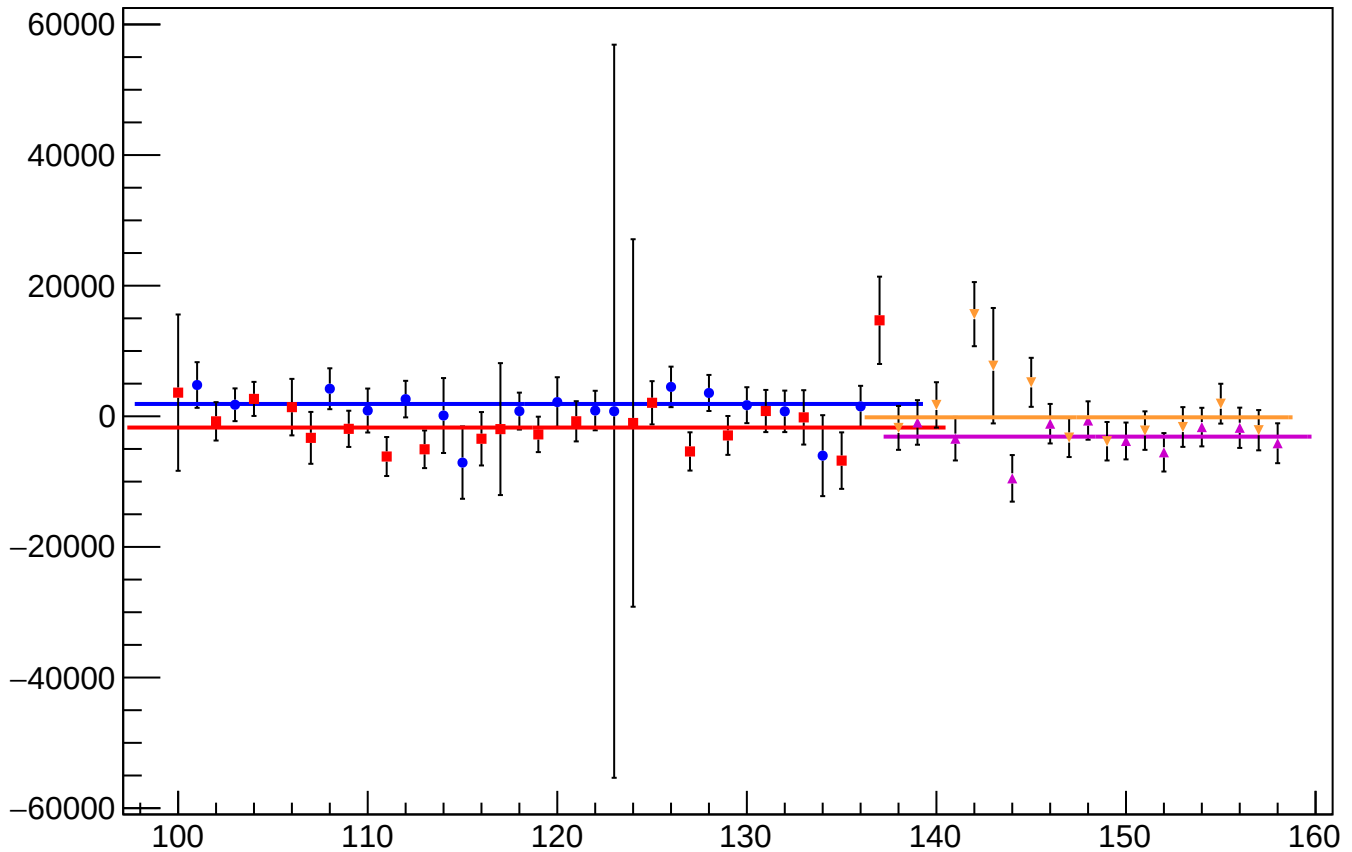
Right Out: 3038.763+/-0.836 χ^2 /NDF: 1011412.5/19

Left In: 2625.942+/-0.652 χ^2 /NDF: 50385.1/9

2770.083+/-0.517 χ^2 /NDF: 775749.7/27

2781.965+/-0.514 χ^2 /NDF: 1213310.3/29

reg_asym_atl2_mean vs Slug



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

Left Out: -153.727+/-1020.499 χ^2 /NDF:17.9/10

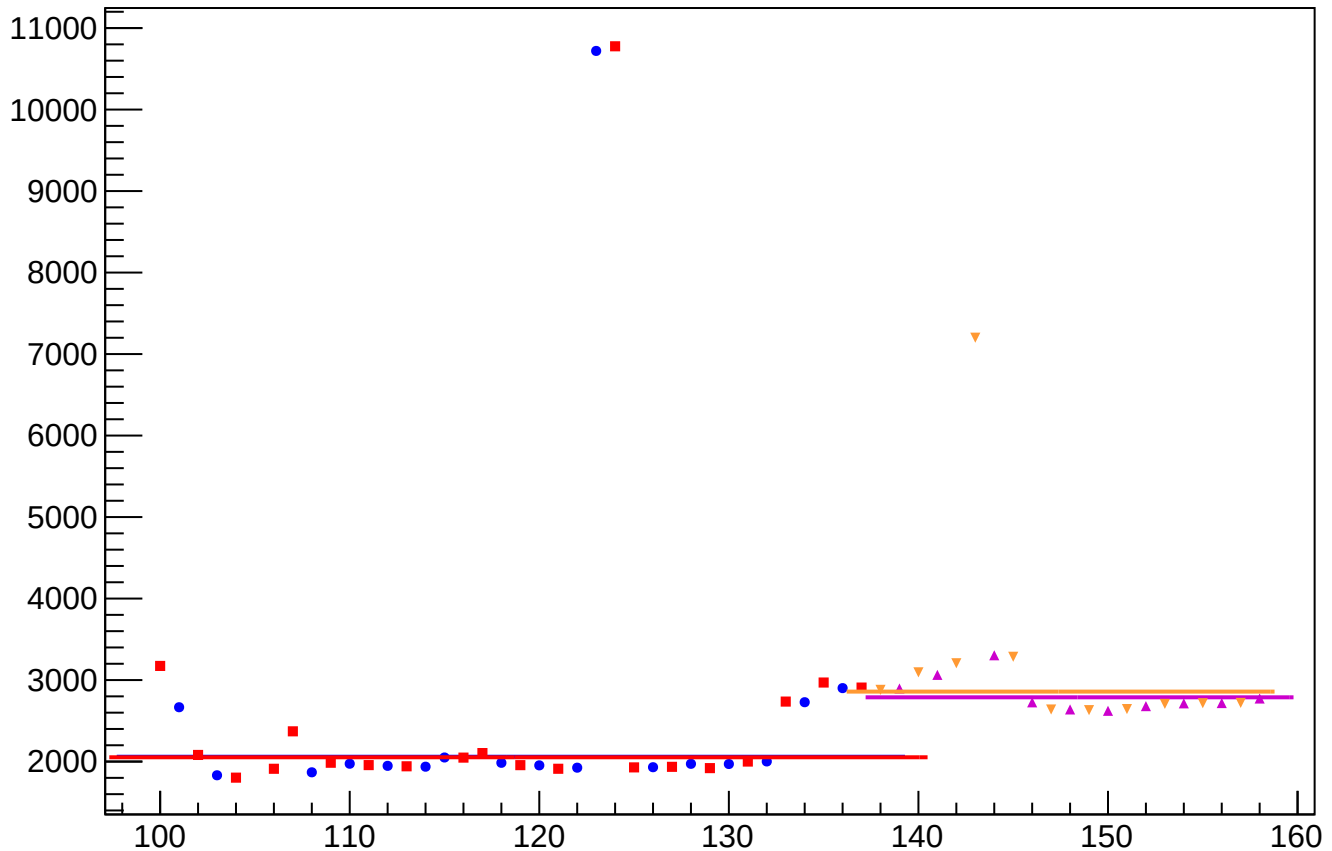
Right Out: -1720.591+/-787.704 χ^2 /NDF: 19.0/19

Left In: -3113.580+/-977.007 χ^2 /NDF:6.0/9

1098.342+/-635.127 χ^2 /NDF: 27.7/27

-2269.358+/-613.222 χ^2 /NDF: 26.2/29

reg_asym_atl2_rms vs Slug



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

Left Out: 2858.416+/-0.722 χ^2/NDF : 574822.5/10

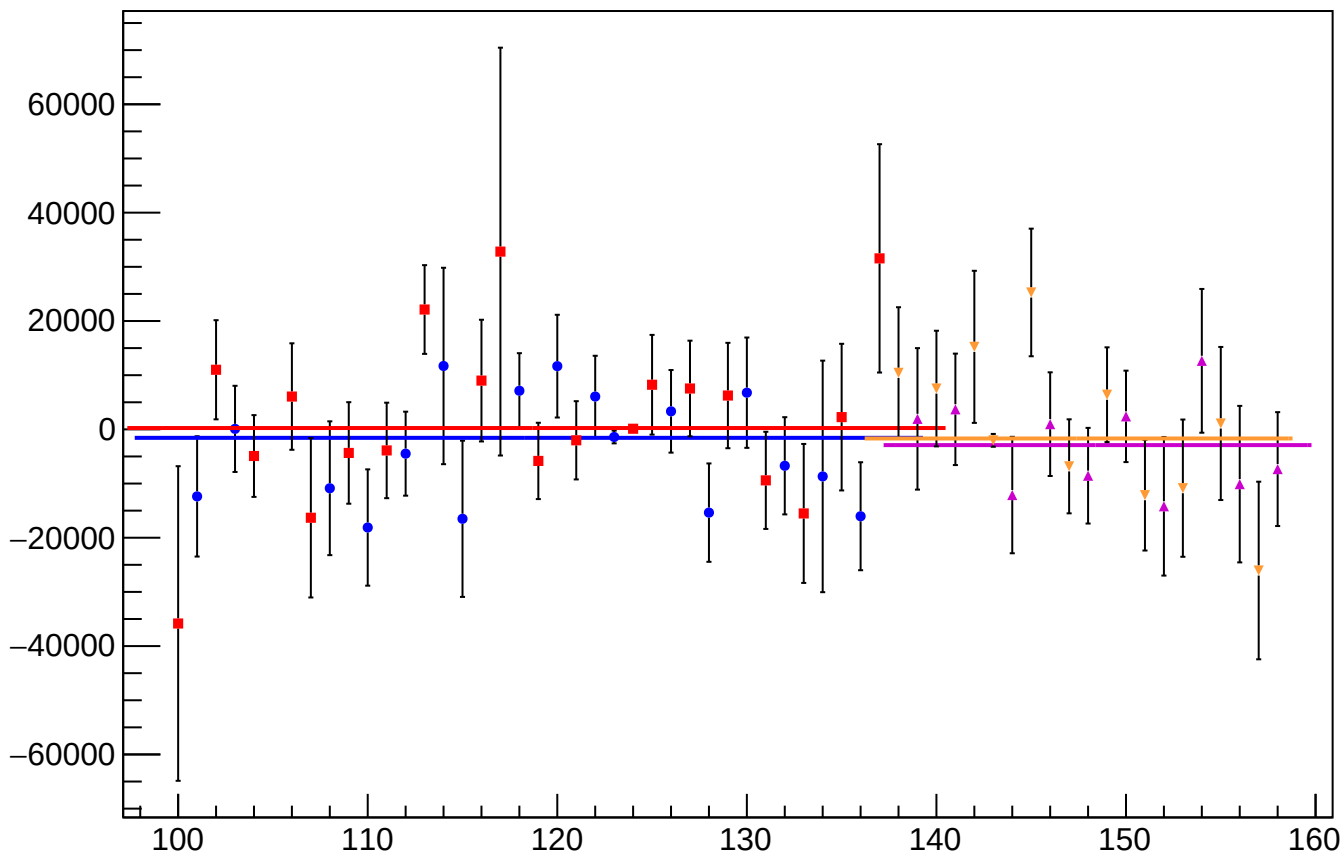
Right Out: 2052.576+/-0.557 χ^2/NDF : 443374.3/19

Left In: 2788.271+/-0.691 χ^2/NDF : 75388.0/9

2368.626+/-0.449 χ^2/NDF : 1645368.3/27

2342.400+/-0.434 χ^2/NDF : 1206053.5/29

asym_atl2_correction_mean vs Slug



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

Left Out: -1680.055 ± 1122.419 χ^2/NDF : 13.5/10

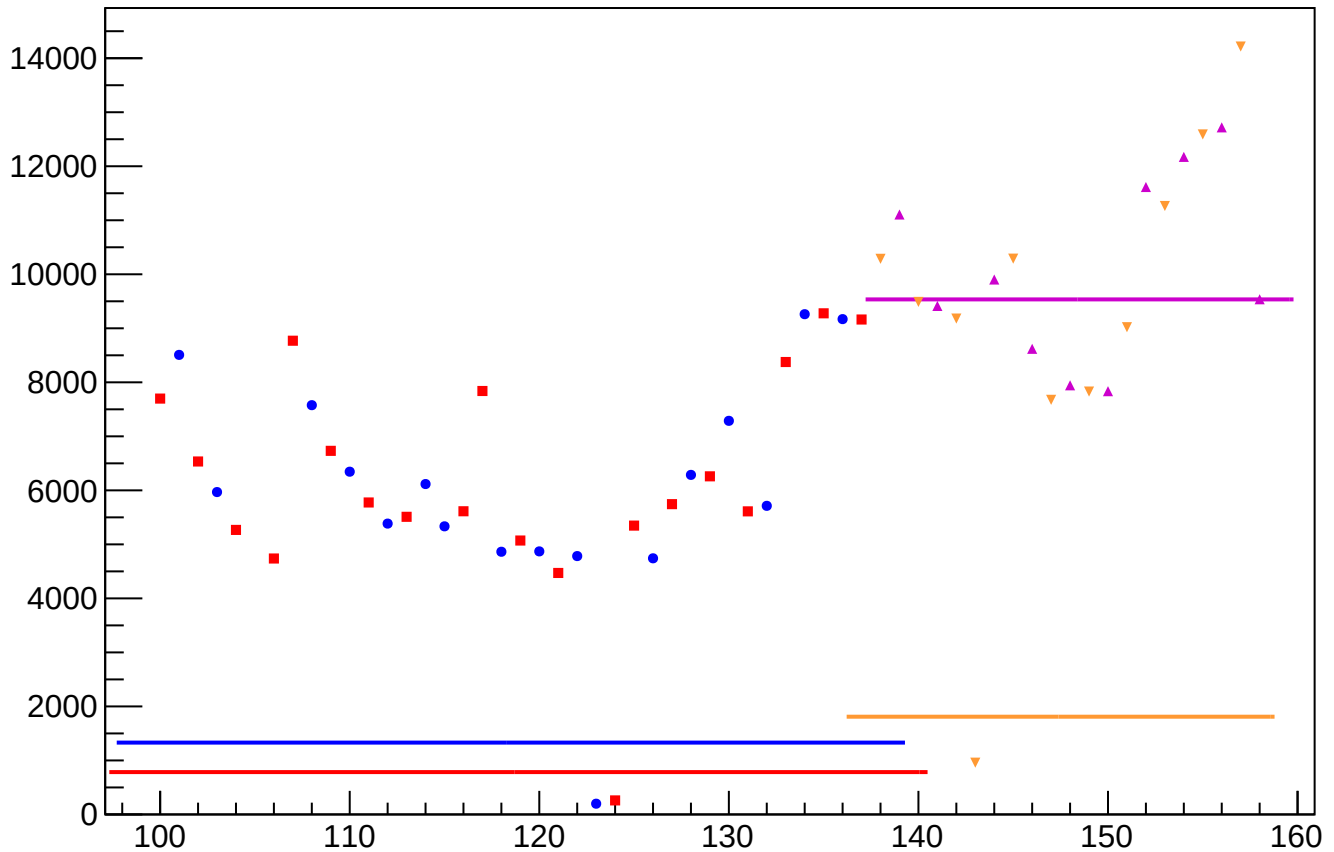
Right Out: 247.306 ± 695.049 χ^2/NDF : 21.6/19

Left In: -2904.734 ± 3382.159 χ^2/NDF : 4.8/9

-1617.964 ± 768.319 χ^2/NDF : 29.7/27

119.583 ± 680.821 χ^2/NDF : 27.2/29

asym_atl2_correction_rms vs Slug



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

Left Out: 1809.727+/-0.794 χ^2/NDF :10921527.1/10

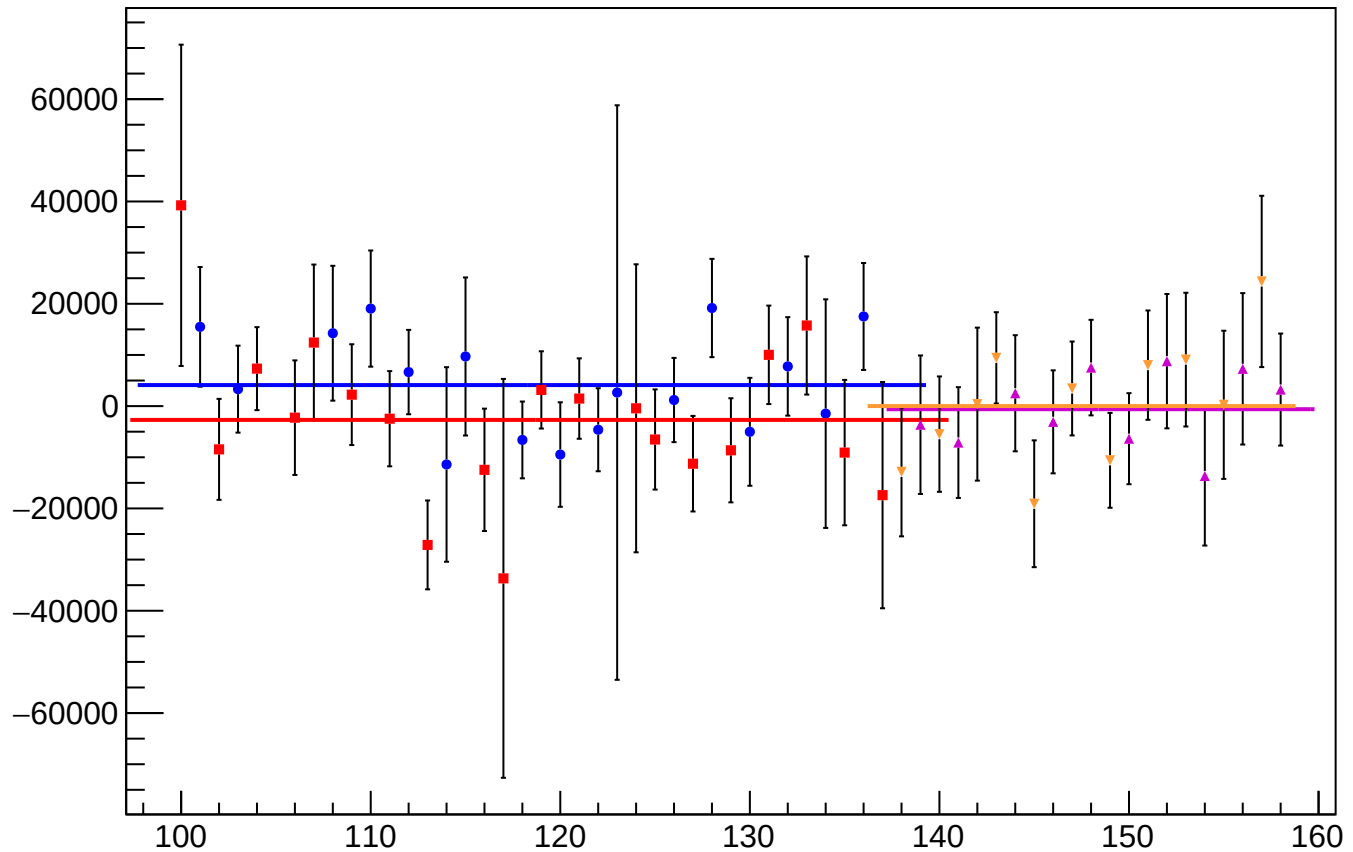
Right Out: 784.254+/-0.491 χ^2/NDF : 11510186.9/19

Left In: 9534.964+/-2.392 χ^2/NDF :425170.3/9

1554.918+/-0.543 χ^2/NDF : 21162311.8/27

1138.840+/-0.481 χ^2/NDF : 24781247.0/29

asym_atl2_mean vs Slug



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

Left Out: 11.227+/-3446.682 χ^2 /NDF:9.4/10

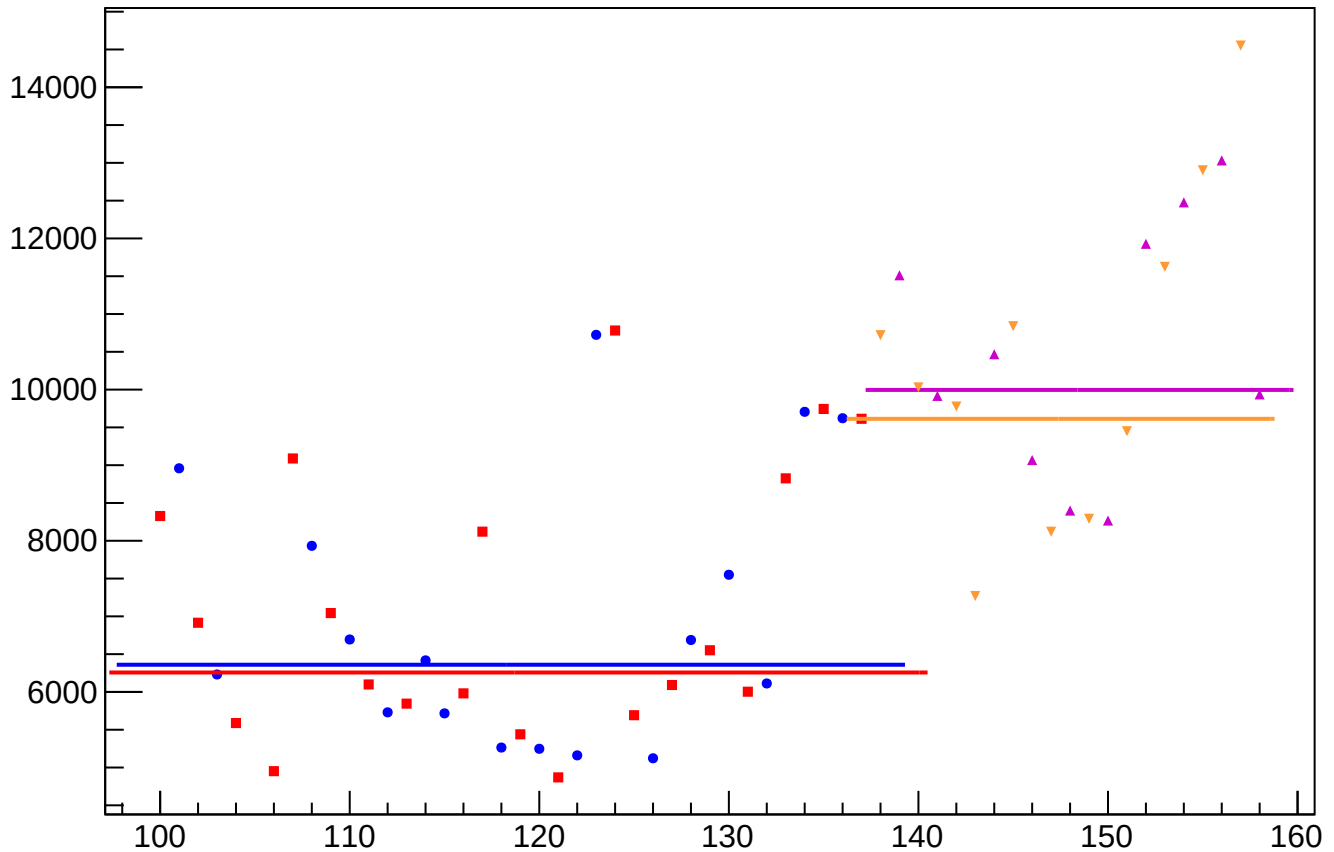
Right Out: -2697.106+/-2415.828 χ^2 /NDF: 20.6/19

Left In: -603.967+/-3539.297 χ^2 /NDF:3.6/9

2672.703+/-2041.844 χ^2 /NDF: 24.6/27

-2031.848+/-1995.322 χ^2 /NDF: 24.4/29

asym_atl2_rms vs Slug



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

Left Out: 9613.352 ± 2.437 χ^2/NDF : 594673.0/10

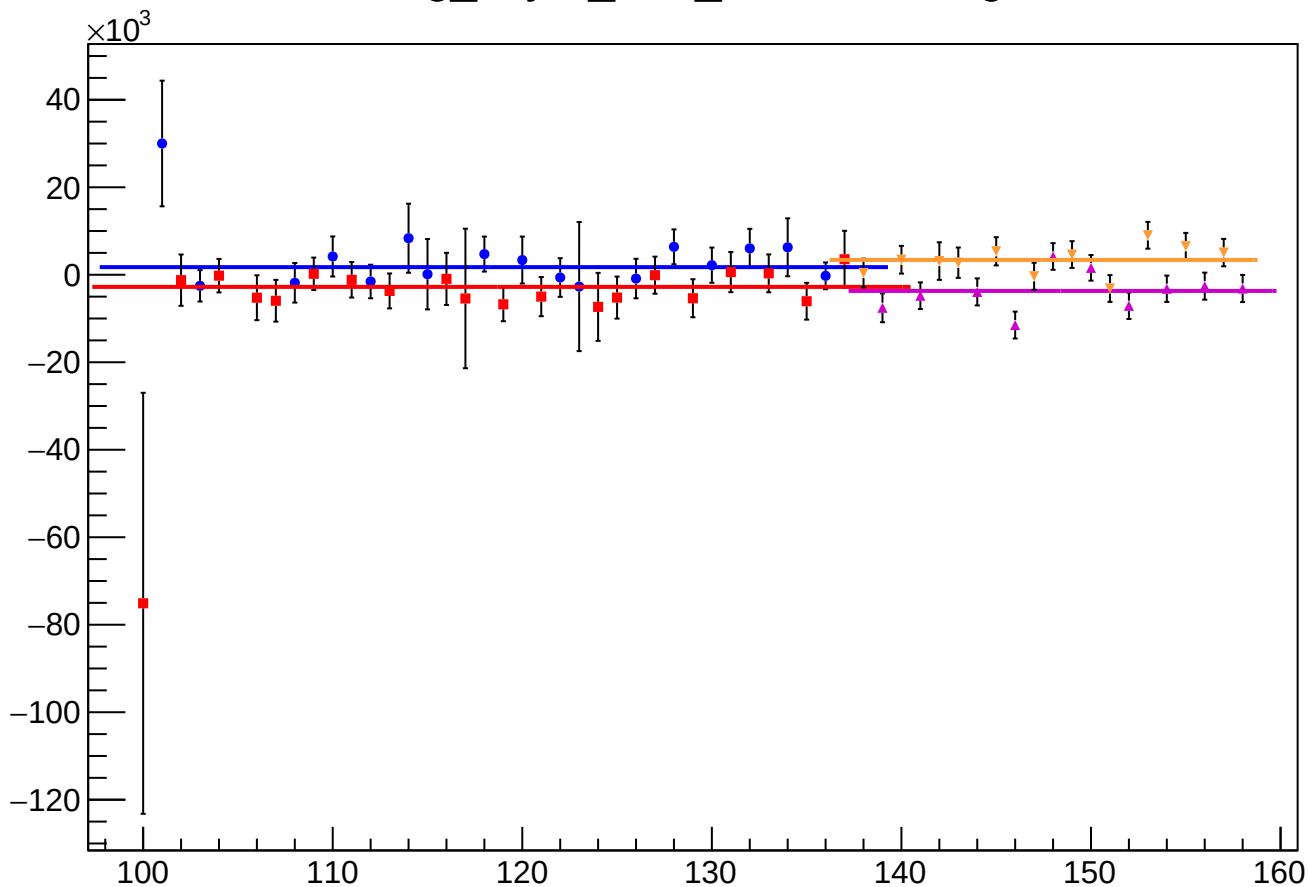
Right Out: 6257.232 ± 1.708 χ^2/NDF : 537553.3/19

Left In: 9995.852 ± 2.503 χ^2/NDF : 373731.6/9

7501.703 ± 1.444 χ^2/NDF : 2331762.0/27

7445.395 ± 1.411 χ^2/NDF : 2433672.1/29

reg_asym_atr1_mean vs Slug



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

Left Out: 3390.297 ± 971.348 χ^2/NDF : 12.1/10

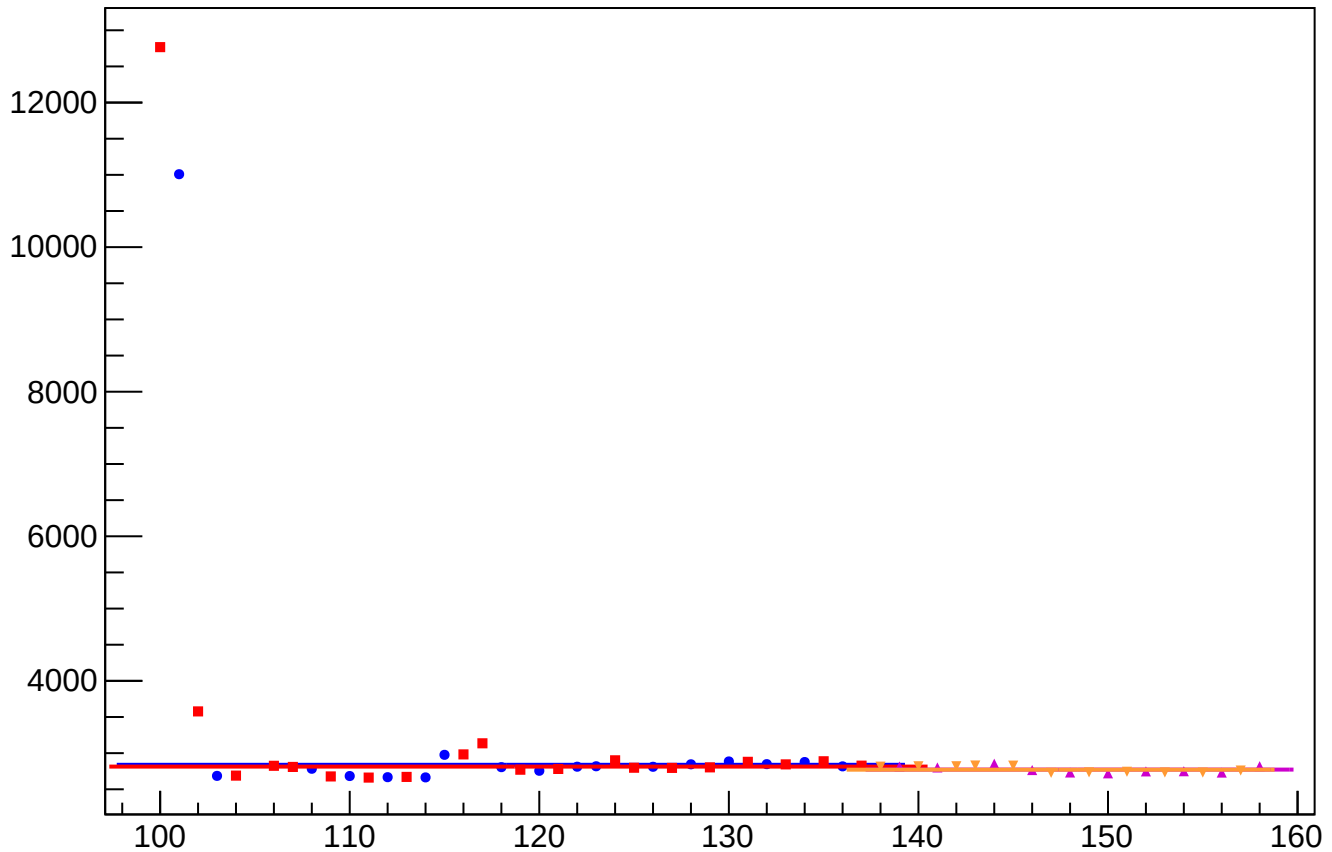
Right Out: -2775.793 ± 1069.534 χ^2/NDF : 9.7/19

Left In: -3694.981 ± 969.833 χ^2/NDF : 19.3/9

2690.538 ± 736.197 χ^2/NDF : 25.6/27

-3280.217 ± 718.444 χ^2/NDF : 29.5/29

reg_asym_atr1_rms vs Slug



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

Left Out: 2771.299+/-0.687 χ^2/NDF : 3736.7/10

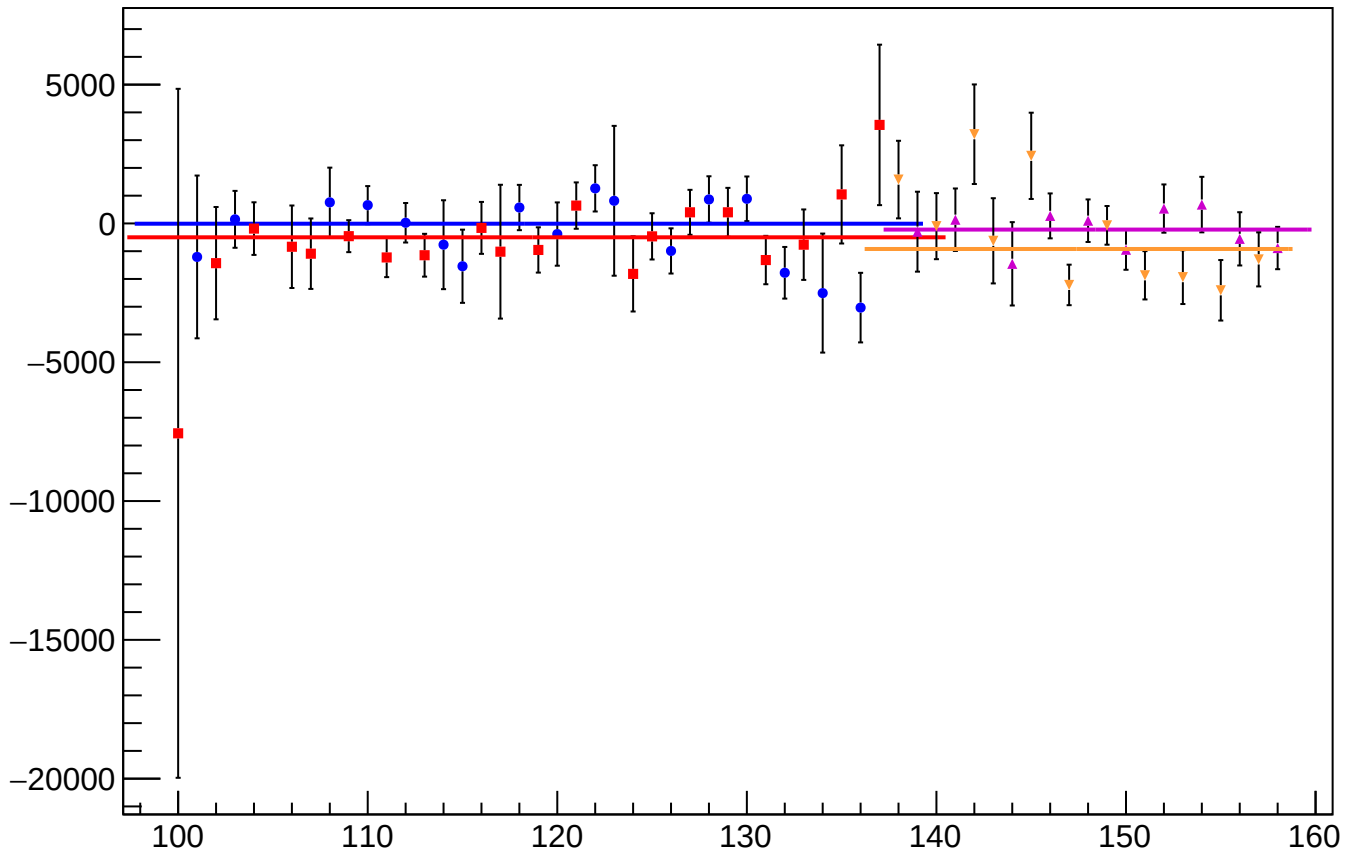
Right Out: 2814.083+/-0.756 χ^2/NDF : 133883.7/19

Left In: 2772.602+/-0.686 χ^2/NDF : 3965.3/9

2799.999+/-0.521 χ^2/NDF : 668048.6/27

2791.320+/-0.508 χ^2/NDF : 139499.9/29

asym_atr1_correction_mean vs Slug



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

Left Out: -920.315 ± 307.267 χ^2/NDF : 22.6/10

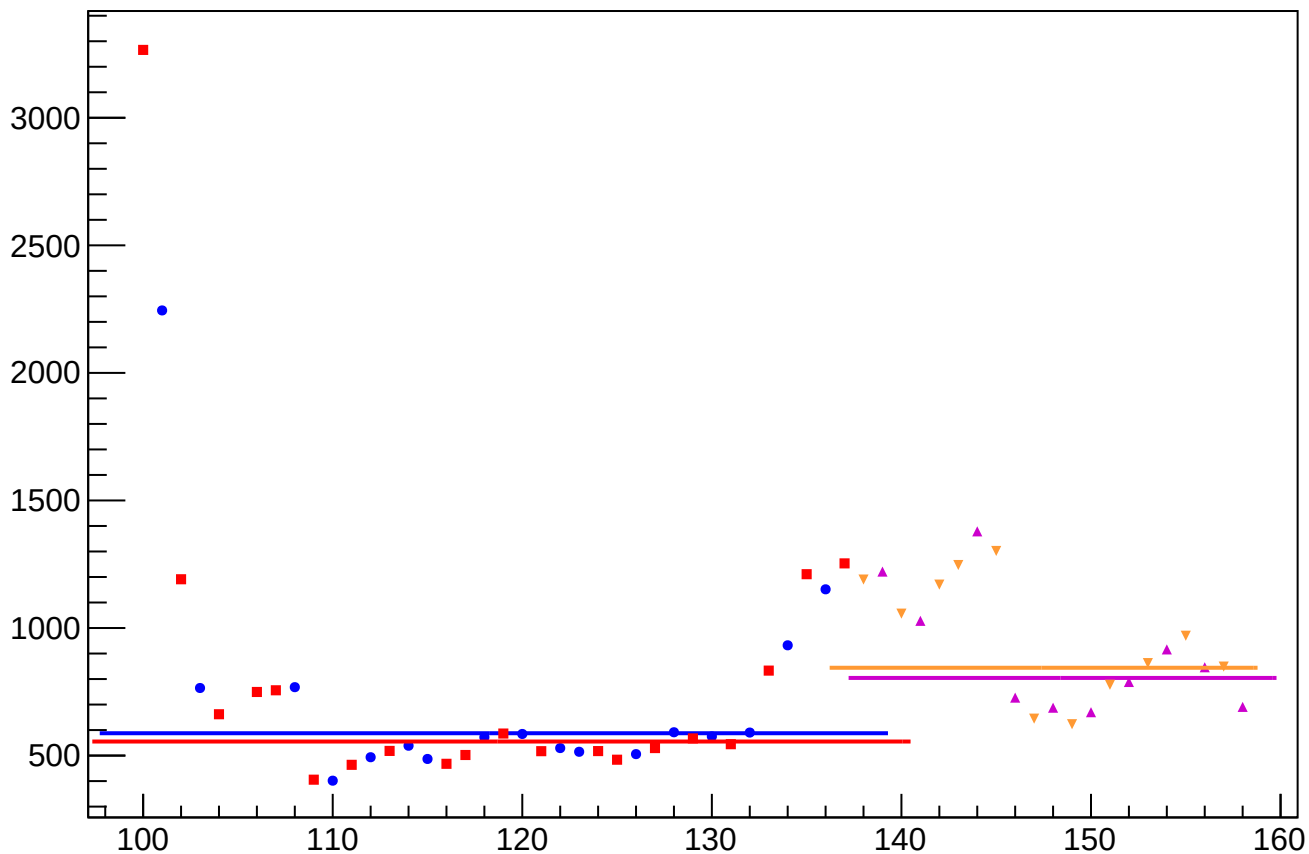
Right Out: -499.625 ± 220.558 χ^2/NDF : 11.9/19

Left In: -221.478 ± 288.709 χ^2/NDF : 4.8/9

-357.826 ± 189.960 χ^2/NDF : 48.8/27

-397.119 ± 175.266 χ^2/NDF : 17.3/29

asym_atr1_correction_rms vs Slug



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

Left Out: 844.244+/-0.217 χ^2/NDF : 953627.6/10

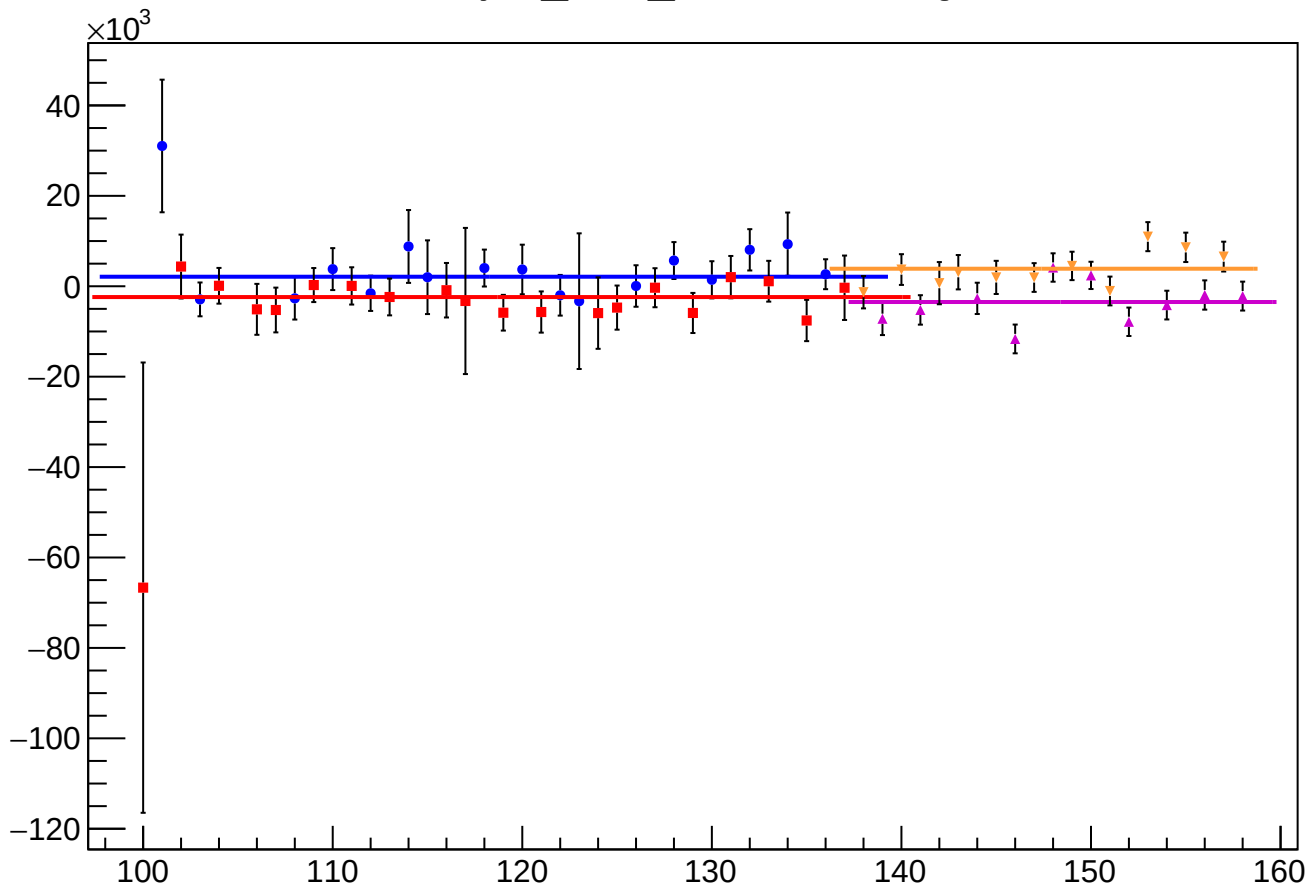
Right Out: 555.088+/-0.156 χ^2/NDF : 1107729.2/19

Left In: 804.360+/-0.204 χ^2/NDF : 747375.5/9

685.687+/-0.134 χ^2/NDF : 3241419.6/27

646.953+/-0.124 χ^2/NDF : 2796578.1/29

asym_atr1_mean vs Slug



Right In: 2108.498 $\pm$ 1164.336 χ^2 /NDF: 13.5/16

Left Out: 3879.287 $\pm$ 1033.326 χ^2 /NDF:13.4/10

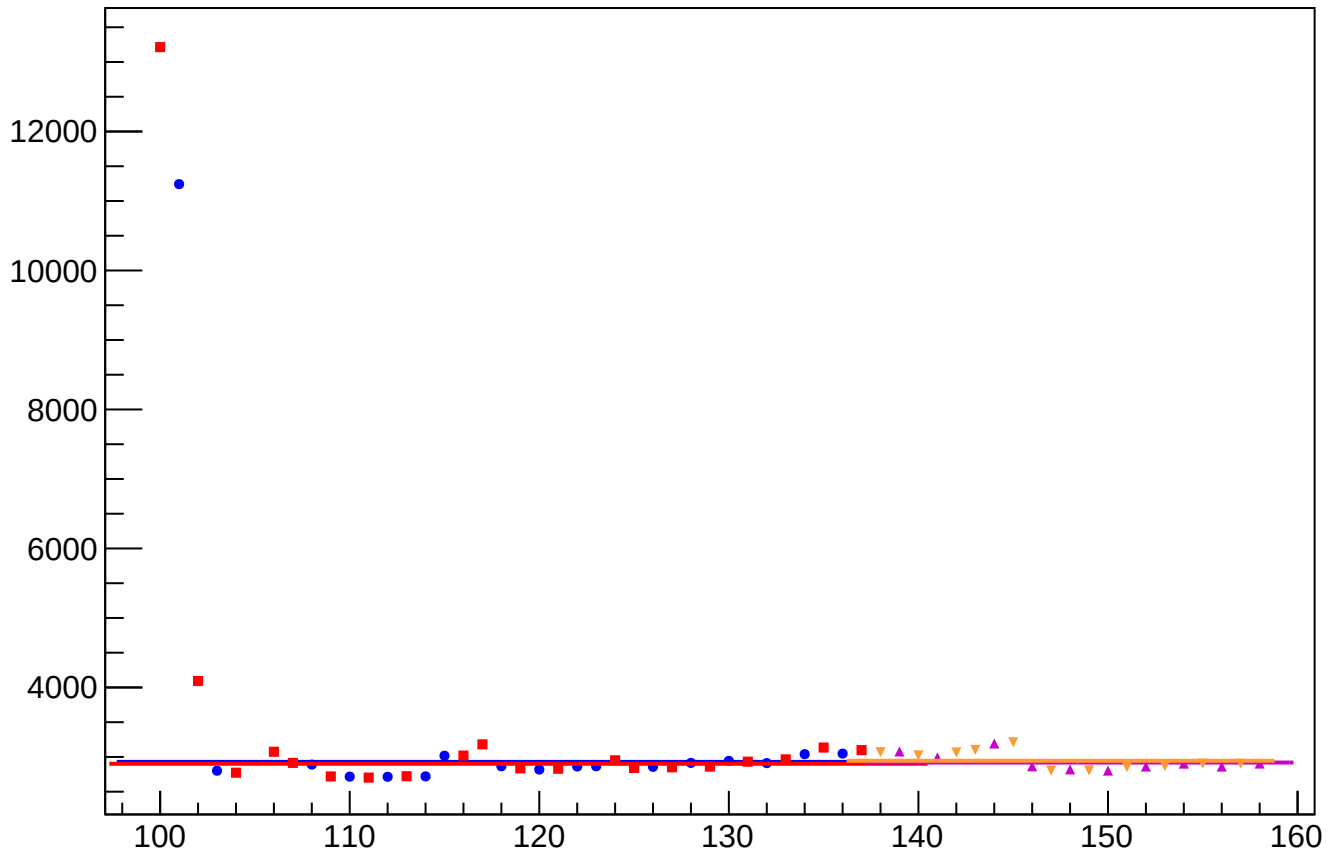
Right Out: -2389.947 $\pm$ 1107.639 χ^2 /NDF: 9.9/19

Left In: -3484.875 $\pm$ 1021.827 χ^2 /NDF:20.1/9

3099.081 $\pm$ 772.858 χ^2 /NDF: 28.1/27

-2981.462 $\pm$ 751.048 χ^2 /NDF: 30.5/29

asym_atr1_rms vs Slug



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

Left Out: 2945.141+/-0.731 χ^2 /NDF:29864.9/10

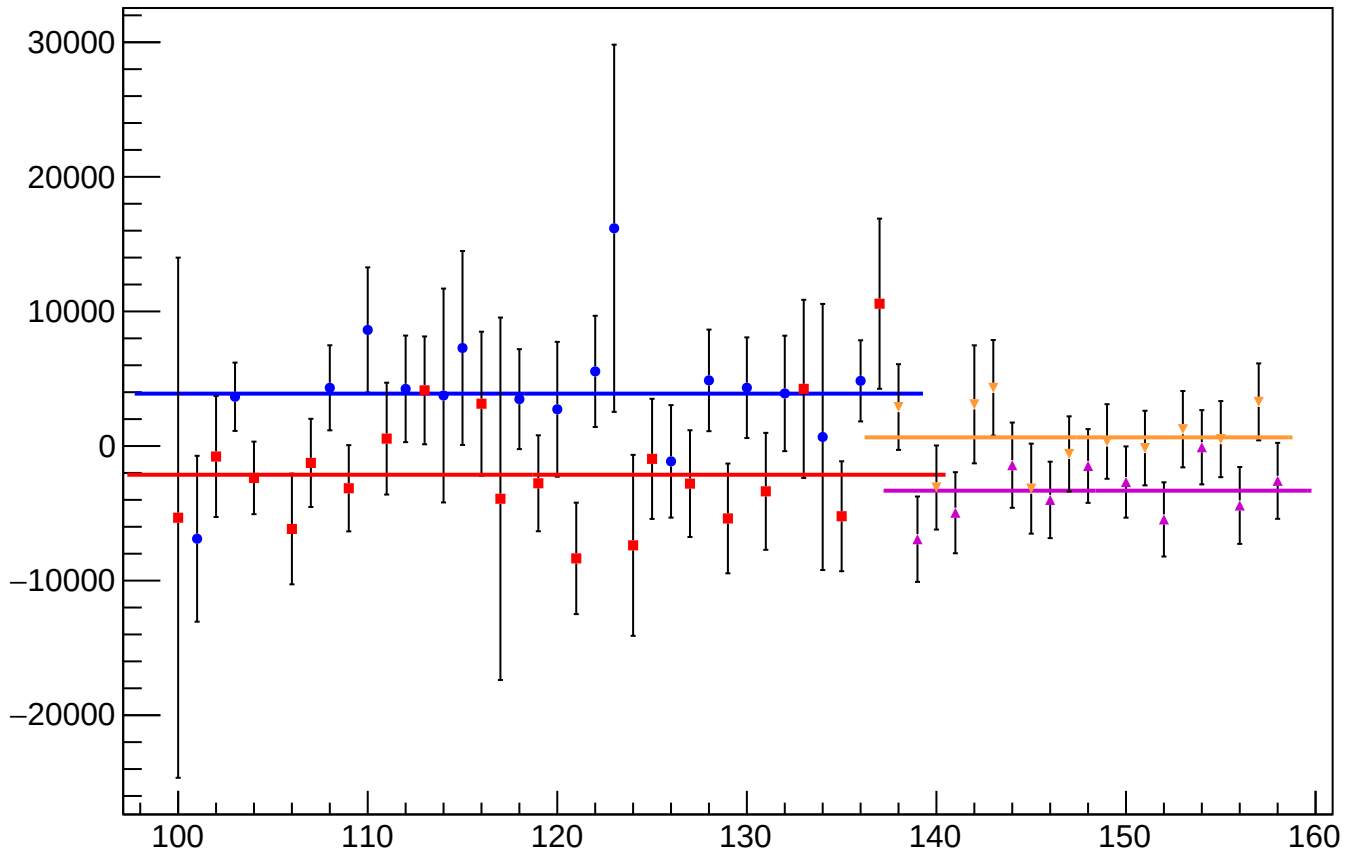
Right Out: 2901.790+/-0.783 χ^2 /NDF: 170320.9/19

Left In: 2919.408+/-0.723 χ^2 /NDF:24321.4/9

2937.897+/-0.546 χ^2 /NDF: 692450.9/27

2911.308+/-0.531 χ^2 /NDF: 194915.6/29

reg_asym_atr2_mean vs Slug



Right In: 3892.504 ± 1011.718 $\chi^2/\text{NDF}: 7.1/16$

Left Out: 643.503 ± 919.642 $\chi^2/\text{NDF}: 5.8/10$

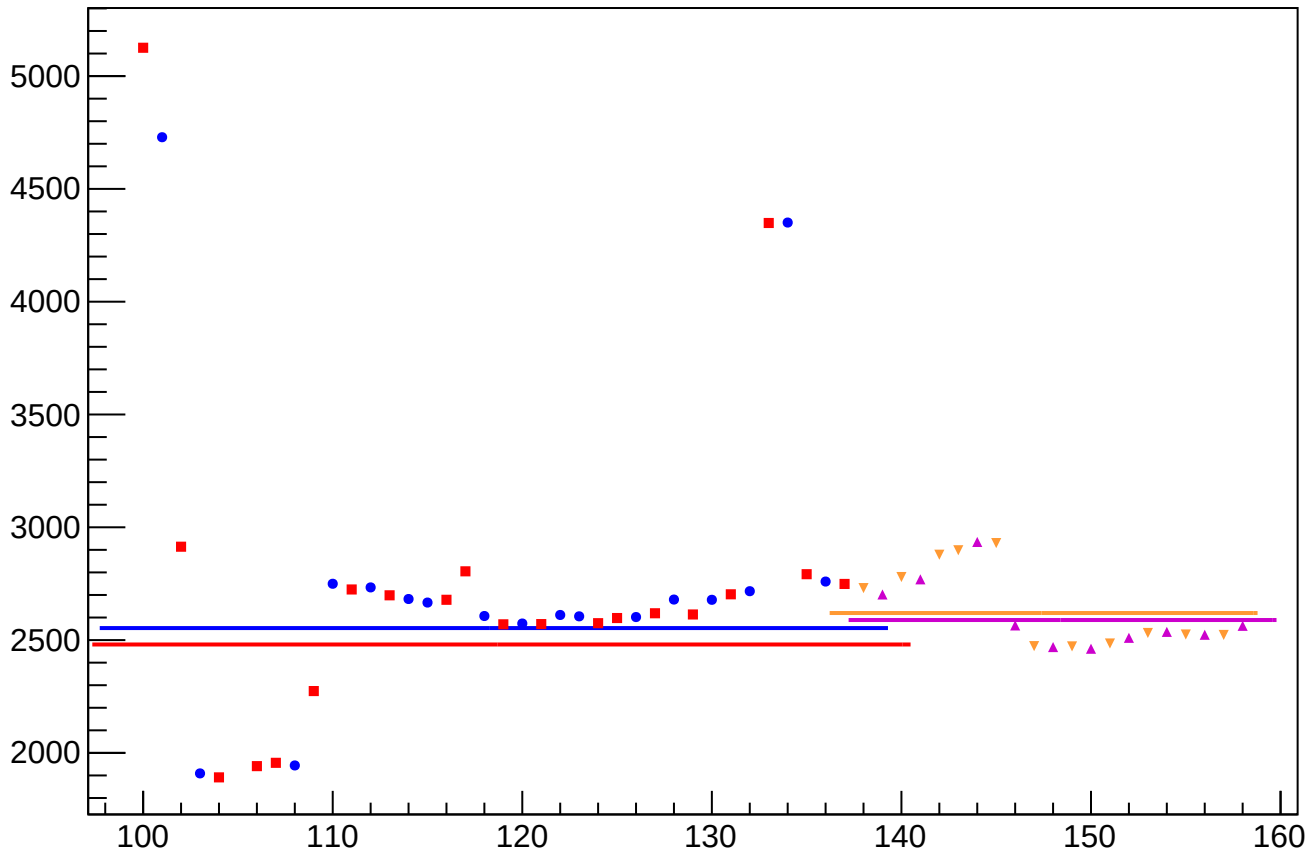
Right Out: -2133.736 ± 955.999 $\chi^2/\text{NDF}: 14.4/19$

Left In: -3317.119 ± 905.251 $\chi^2/\text{NDF}: 4.7/9$

2113.461 ± 680.514 $\chi^2/\text{NDF}: 18.6/27$

-2757.669 ± 657.318 $\chi^2/\text{NDF}: 19.9/29$

reg_asym_atr2_rms vs Slug



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

Left Out: 2620.003+/-0.650 χ^2/NDF : 66536.6/10

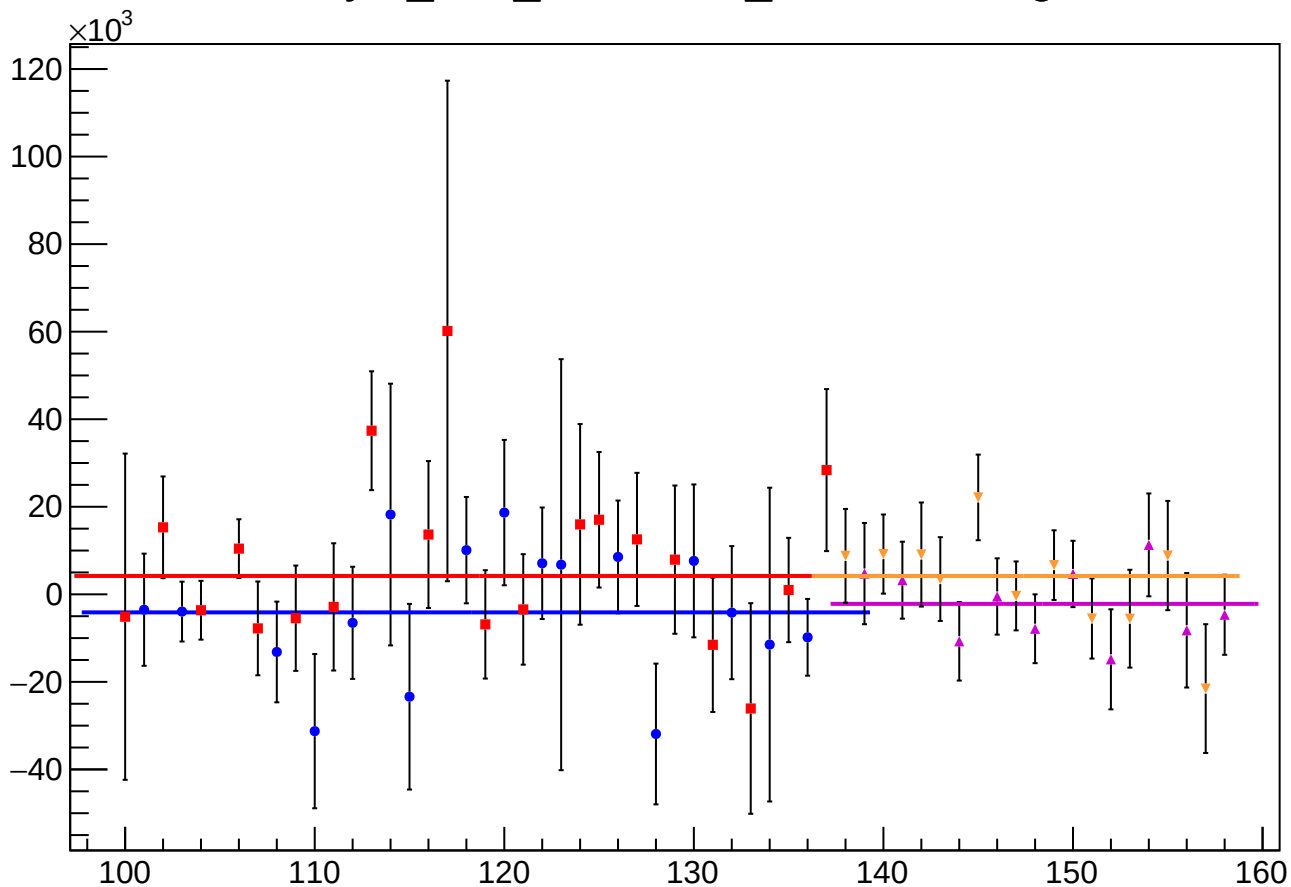
Right Out: 2480.504+/-0.676 χ^2/NDF : 450669.1/19

Left In: 2588.970+/-0.640 χ^2/NDF : 45752.4/9

2589.815+/-0.481 χ^2/NDF : 616526.6/27

2537.692+/-0.465 χ^2/NDF : 509995.8/29

asym_atr2_correction_mean vs Slug



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

Left Out: 4178.876+/-2983.608 χ^2 /NDF: 9.6/10

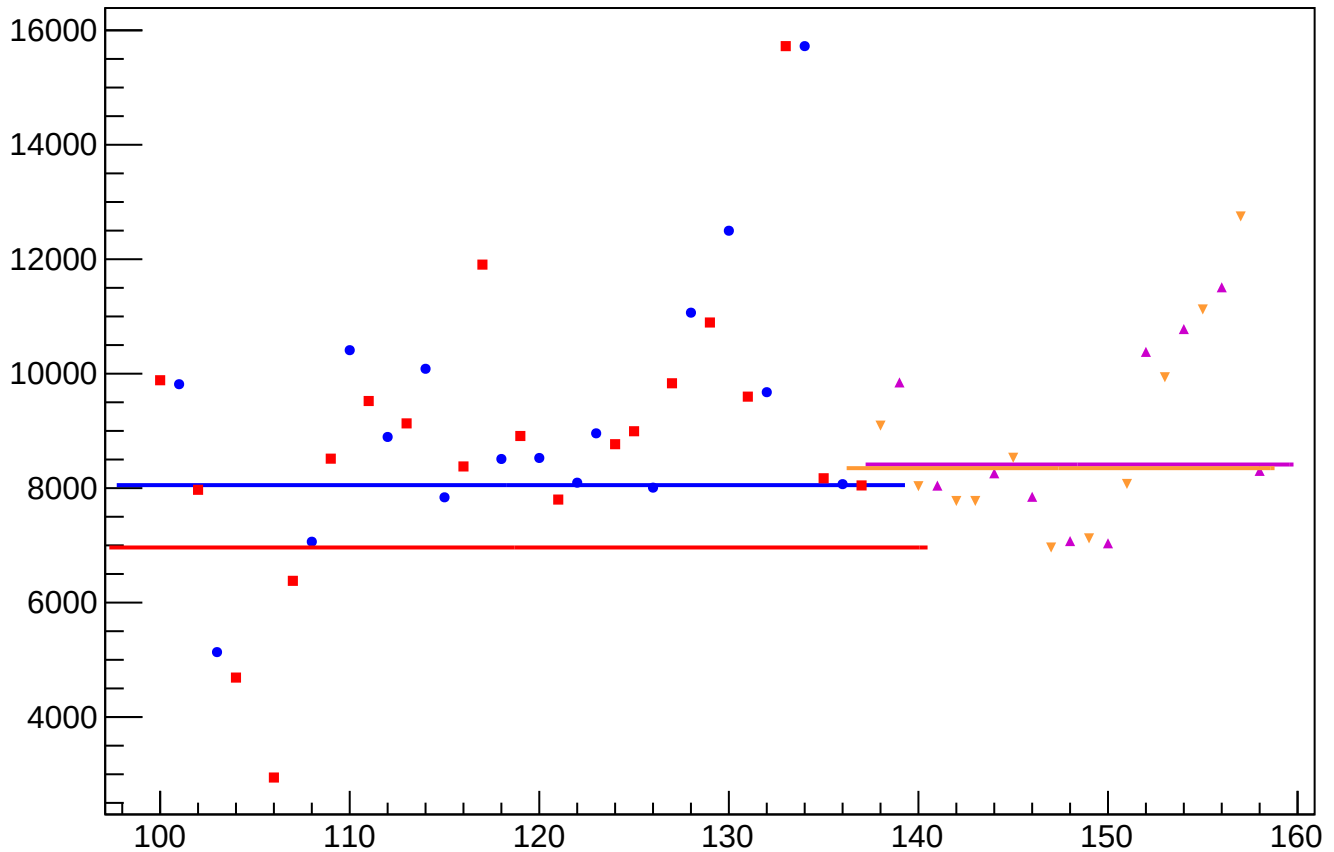
351.314+/-2190.741 χ^2 /NDF: 26.5/27

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

1177.569+/-2053.719 χ^2 /NDF: 27.7/29

Left In: -2178.354+/-2983.992 χ^2 /NDF: 5.9/9

asym_atr2_correction_rms vs Slug



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

Left Out: 8348.964+/-2.110 χ^2/NDF : 454011.8/10

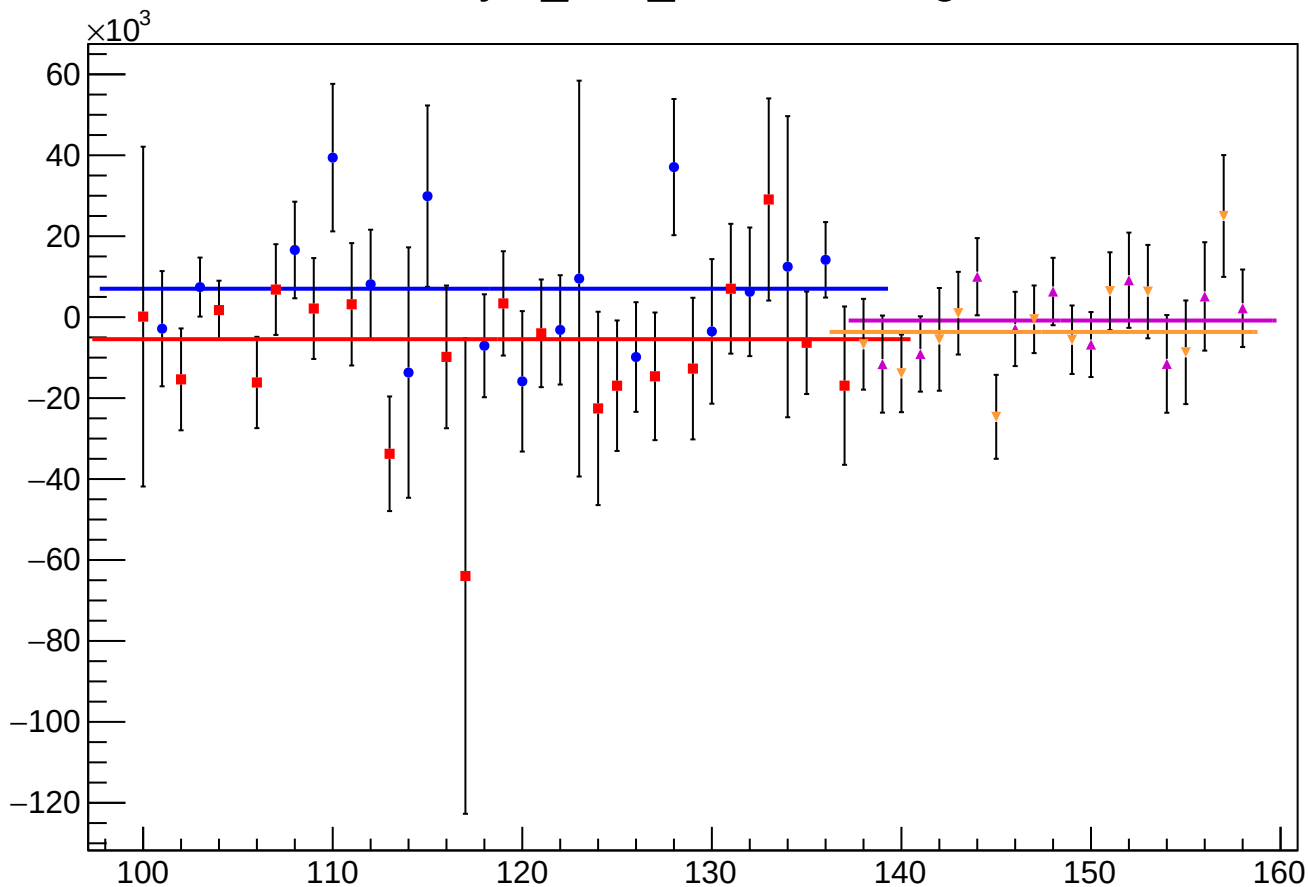
8212.358+/-1.549 χ^2/NDF : 1253833.3/27

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

7649.797+/-1.452 χ^2/NDF : 2460169.7/29

Left In: 8412.812+/-2.110 χ^2/NDF : 420148.2/9

asym_atr2_mean vs Slug



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

Left Out: -3648.291 $\pm$ 3146.118 χ^2 /NDF:11.3/10

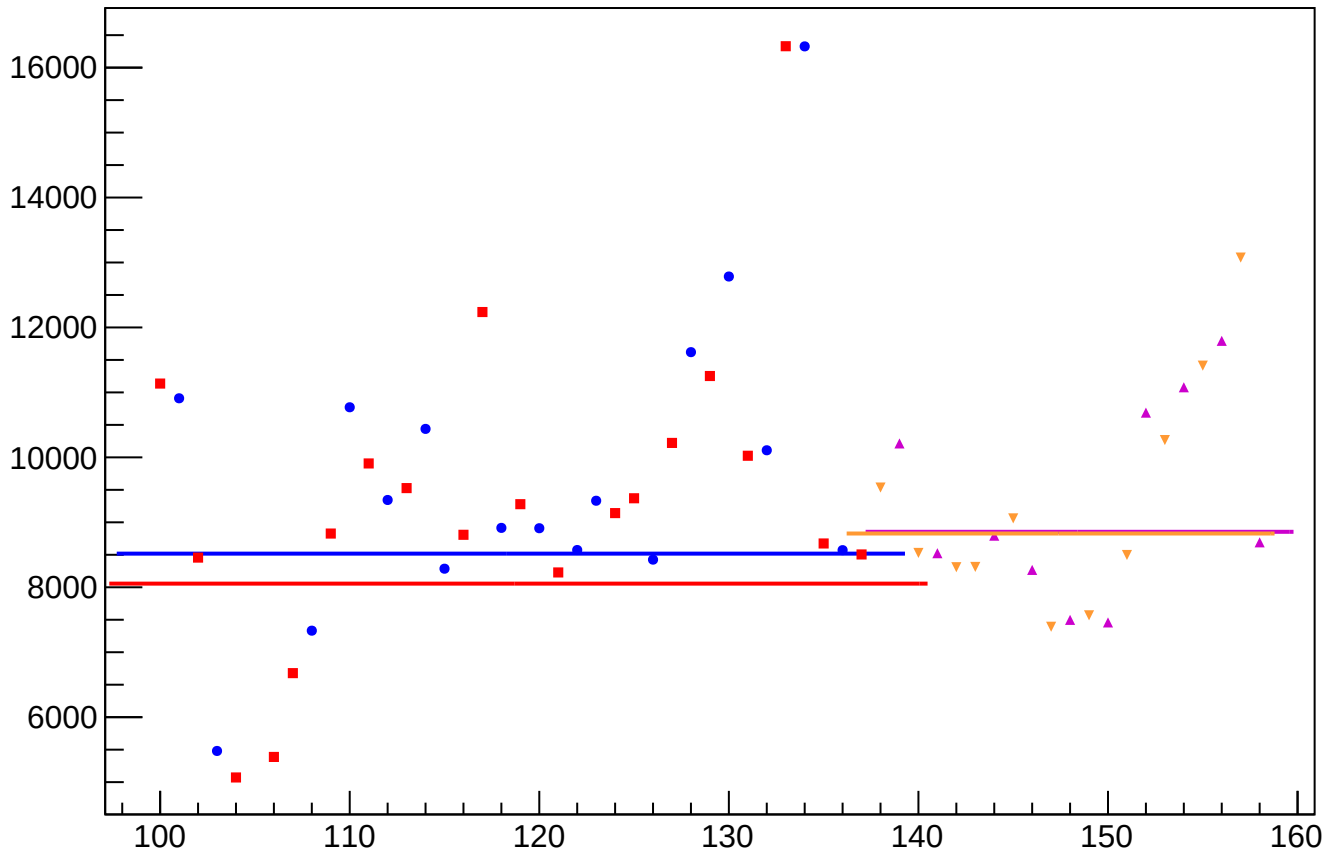
Right Out: -5441.890 $\pm$ 3163.600 χ^2 /NDF: 14.3/19

Left In: -831.397 $\pm$ 3133.431 χ^2 /NDF:6.0/9

1260.429 $\pm$ 2312.151 χ^2 /NDF: 31.7/27

-3114.555 $\pm$ 2226.260 χ^2 /NDF: 21.4/29

asym_atr2_rms vs Slug



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

Left Out: 8827.604+/-2.225 χ^2/NDF : 396929.6/10

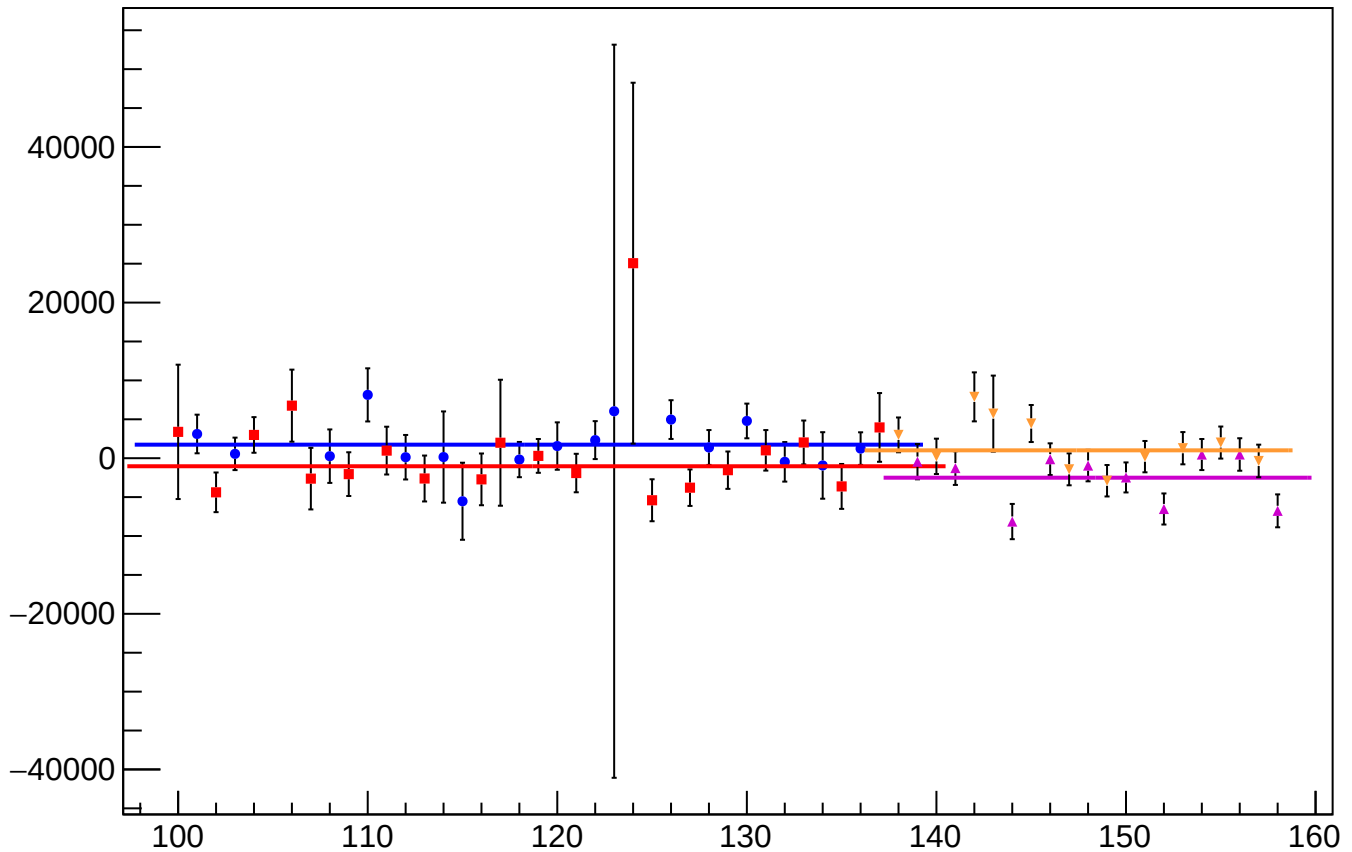
8685.168+/-1.635 χ^2/NDF : 1169124.9/27

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

8458.833+/-1.574 χ^2/NDF : 1389832.9/29

Left In: 8853.898+/-2.216 χ^2/NDF : 363352.2/9

reg_asym_atl_avg_mean vs Slug



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

Left Out: 1010.505 ± 683.938 χ^2/NDF : 14.7/10

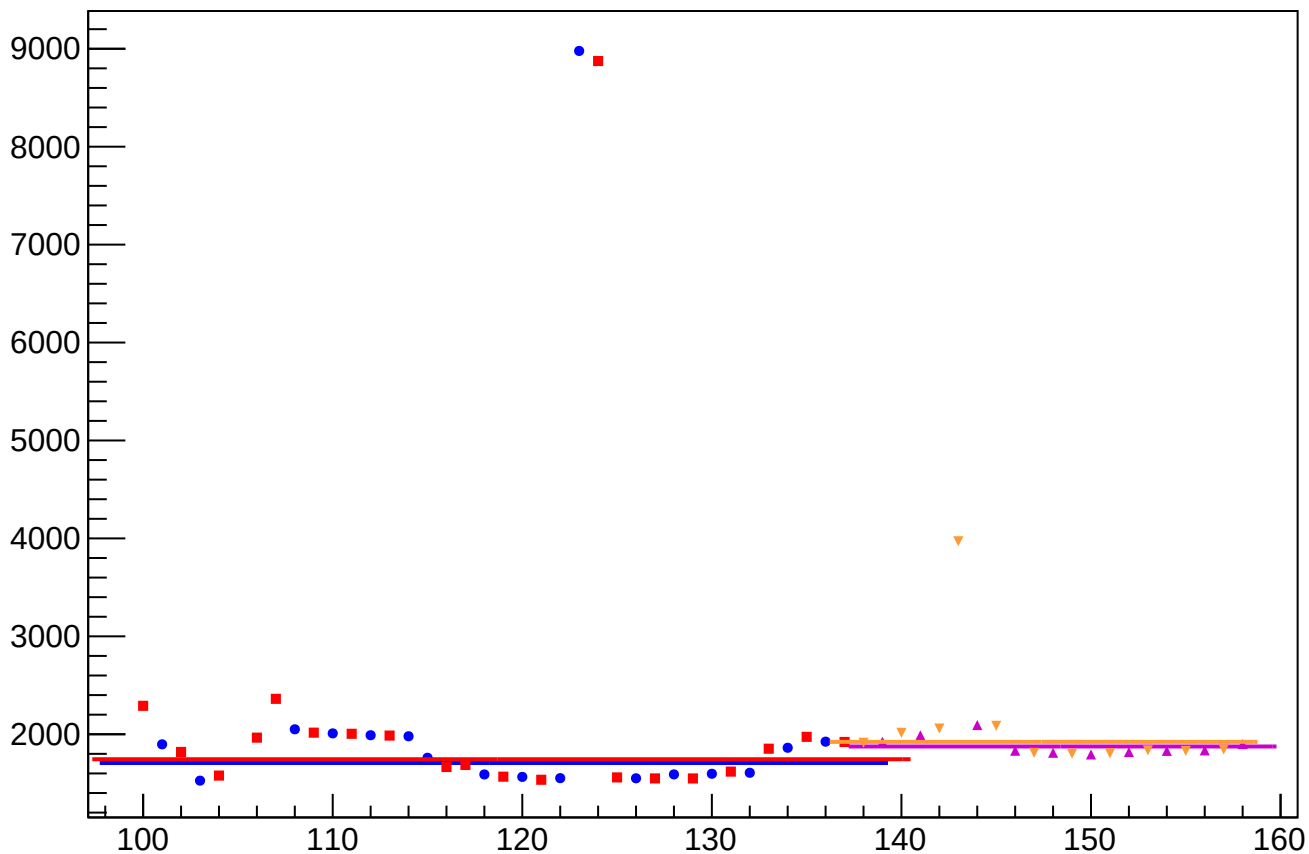
Right Out: -1034.828 ± 668.692 χ^2/NDF : 19.0/19

Left In: -2506.510 ± 657.942 χ^2/NDF : 21.7/9

1382.363 ± 478.757 χ^2/NDF : 27.7/27

-1782.593 ± 468.990 χ^2/NDF : 43.1/29

reg_asym_atl_avg_rms vs Slug



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

Left Out: 1922.275+/-0.484 χ^2/NDF : 397825.8/10

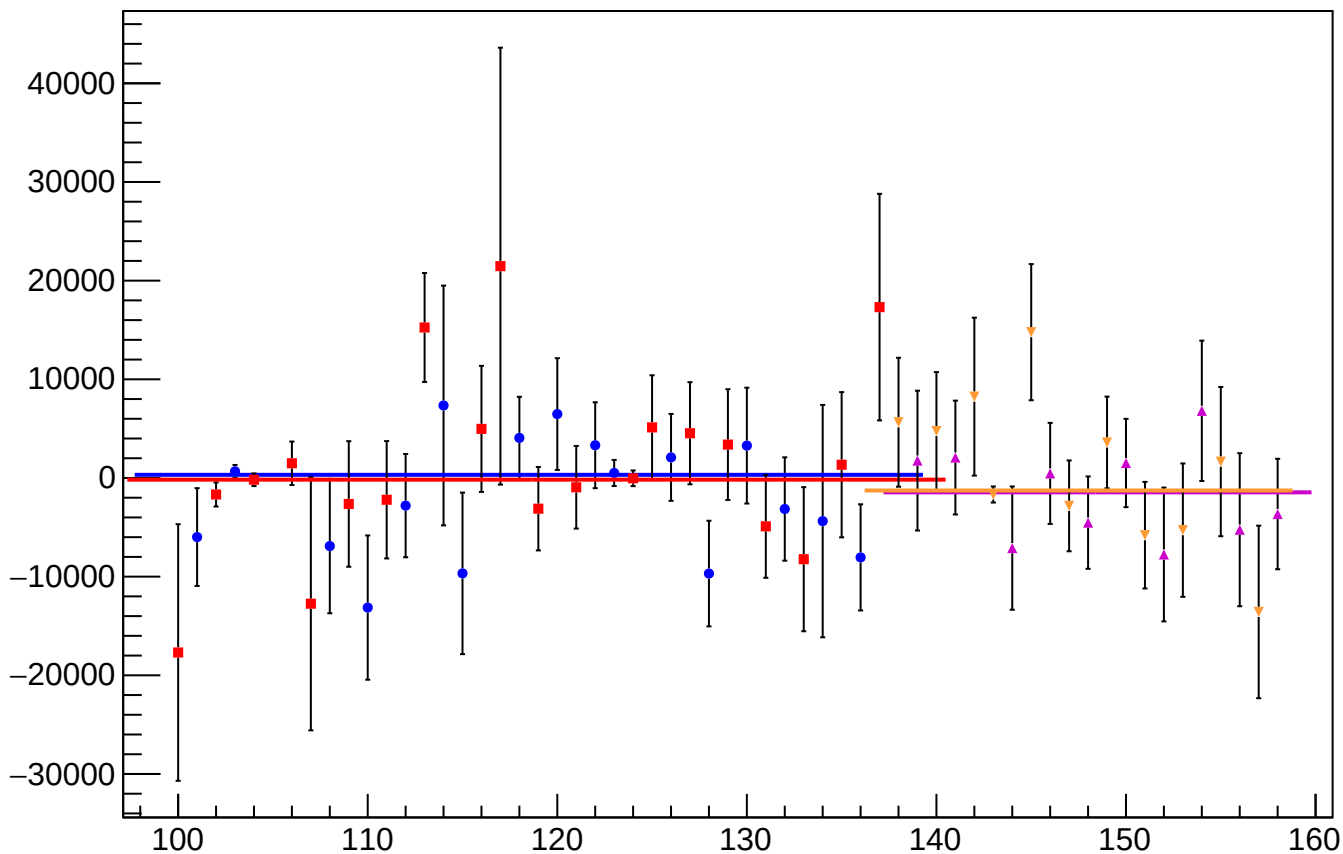
Right Out: 1745.037+/-0.471 χ^2/NDF : 399916.1/19

Left In: 1875.081+/-0.465 χ^2/NDF : 35258.3/9

1812.417+/-0.339 χ^2/NDF : 696560.1/27

1810.825+/-0.331 χ^2/NDF : 473781.1/29

asym_atl_avg_correction_mean vs Slug



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

Left Out: -1267.146 ± 750.614 χ^2/NDF : 13.6/10

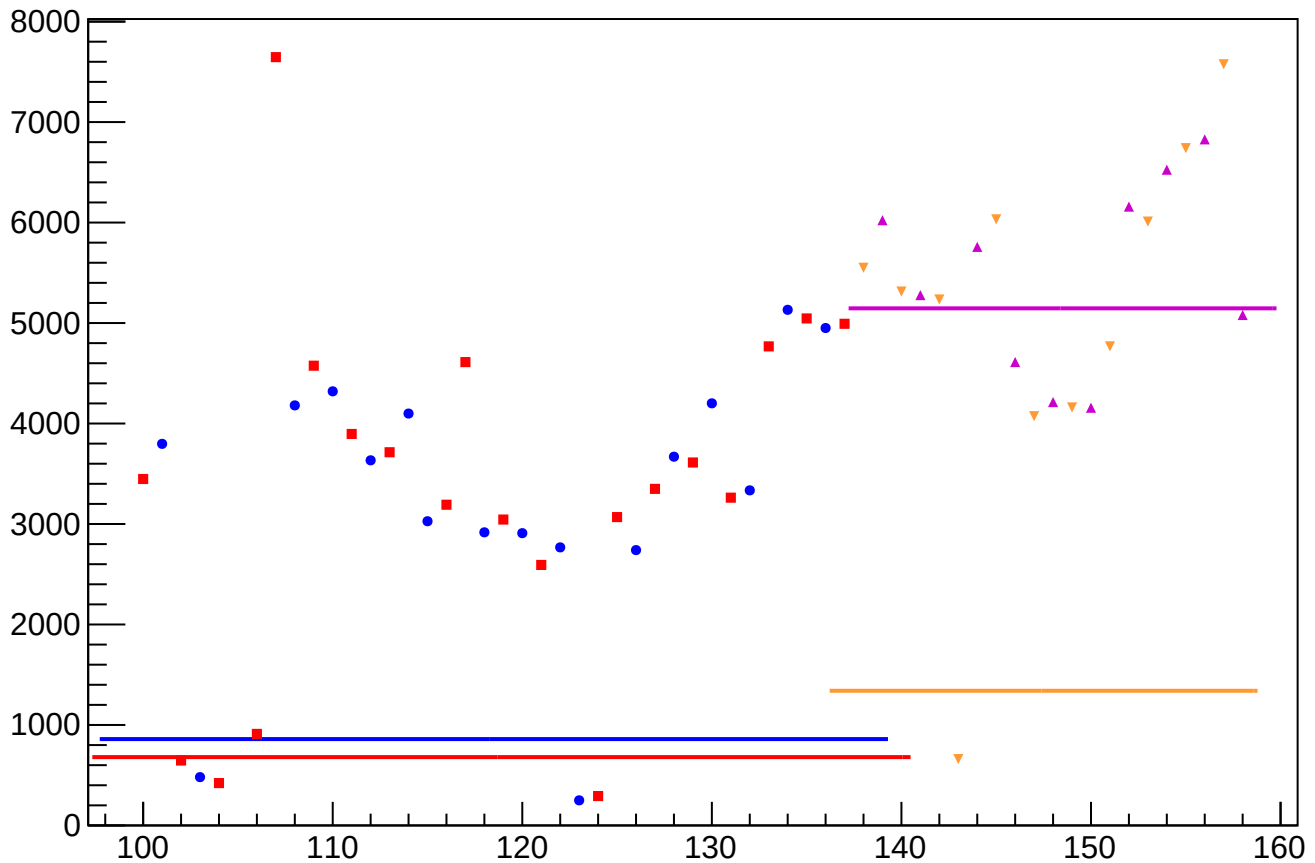
Right Out: -168.343 ± 433.469 χ^2/NDF : 21.7/19

Left In: -1456.061 ± 1828.014 χ^2/NDF : 5.0/9

-221.201 ± 438.556 χ^2/NDF : 34.6/27

-236.895 ± 421.773 χ^2/NDF : 27.2/29

asym_atl_avg_correction_rms vs Slug



Right In: 859.557 $\pm$ 0.382 χ^2 /NDF: 8143264.5/16

Left Out: 1340.252 $\pm$ 0.531 χ^2 /NDF: 9742643.3/10

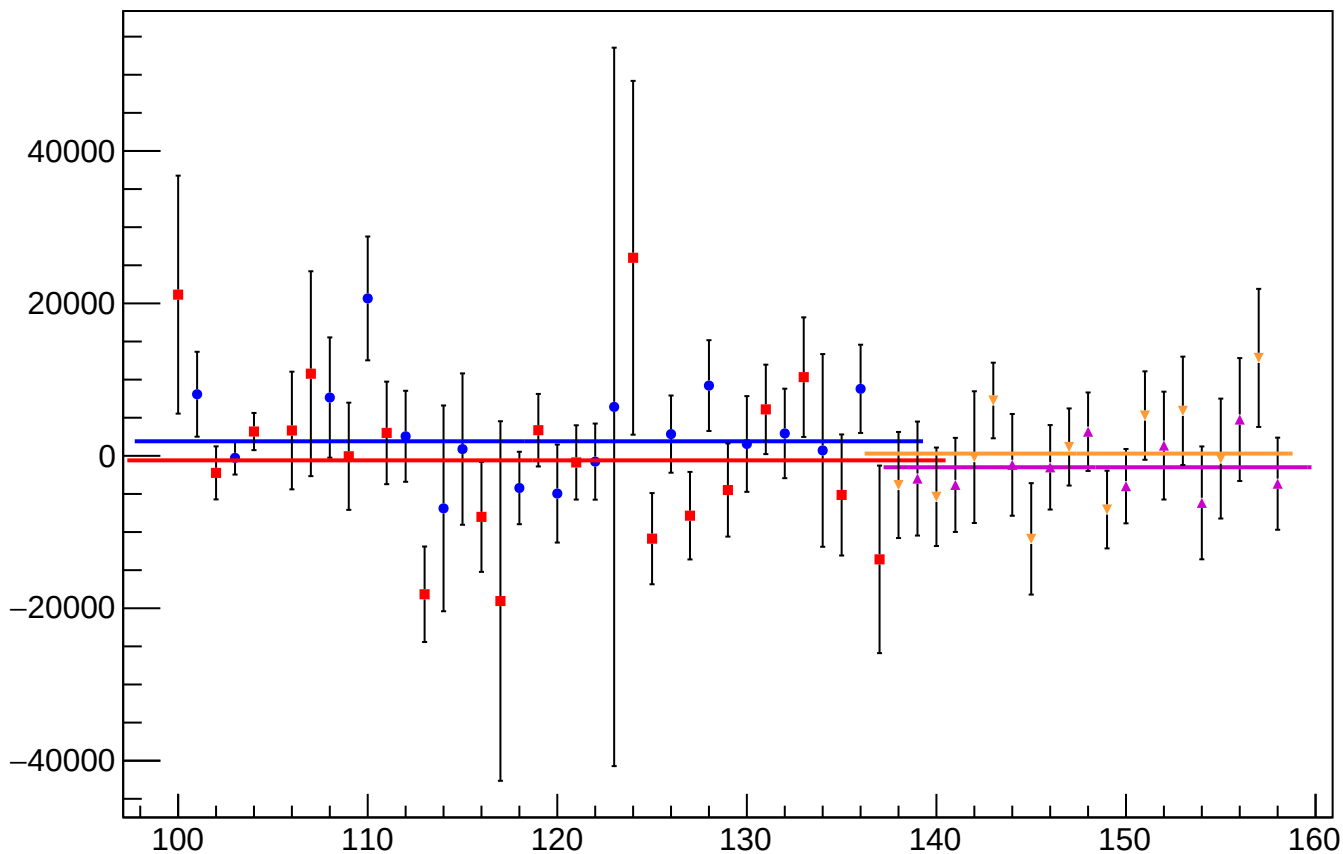
Right Out: 680.110 $\pm$ 0.307 χ^2 /NDF: 8447884.2/19

Left In: 5146.243 $\pm$ 1.293 χ^2 /NDF: 463707.5/9

1023.649 $\pm$ 0.310 χ^2 /NDF: 18426140.6/27

917.865 $\pm$ 0.298 χ^2 /NDF: 20214141.5/29

asym_atl_avg_mean vs Slug



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

Left Out: 293.884+/-1914.952 χ^2/NDF :10.8/10

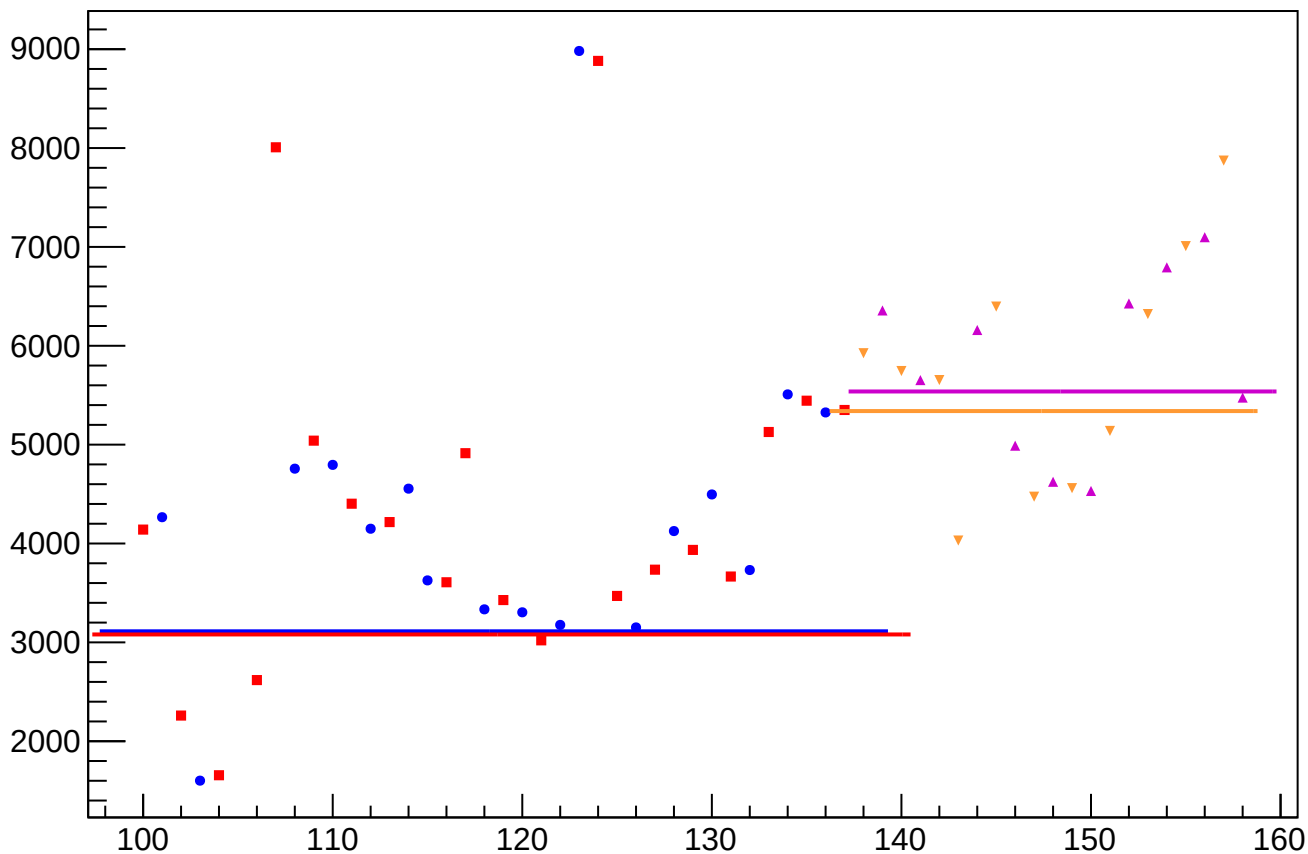
Right Out: -594.380+/-1283.911 χ^2/NDF : 27.0/19

Left In: -1497.794+/-1961.610 χ^2/NDF :2.6/9

1394.234+/-1081.336 χ^2/NDF : 25.9/27

-865.327+/-1074.264 χ^2/NDF : 29.7/29

asym_atl_avg_rms vs Slug



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

Left Out: 5339.597+/-1.354 χ^2/NDF : 598082.8/10

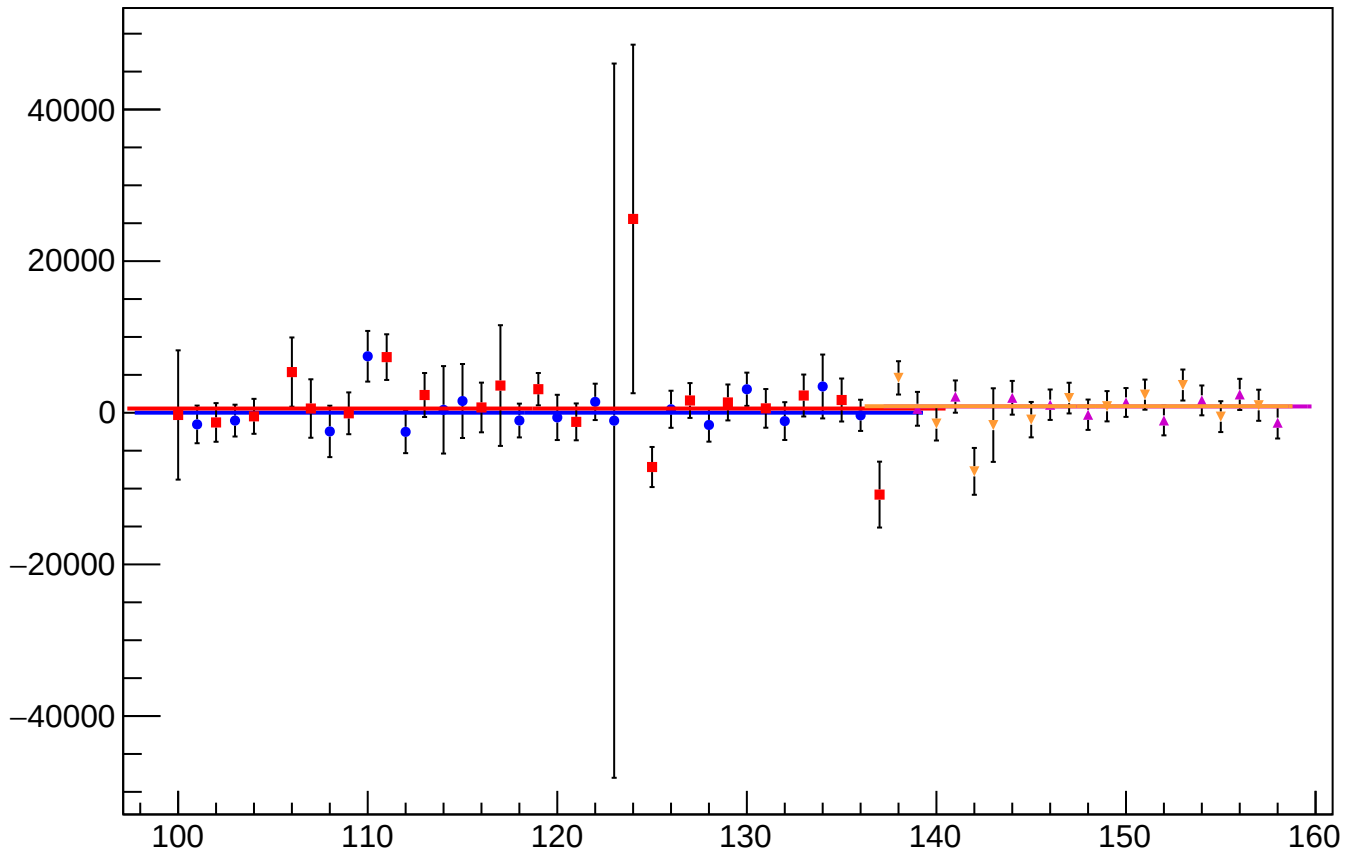
Right Out: 3080.063+/-0.895 χ^2/NDF : 2017746.3/19

Left In: 5537.748+/-1.387 χ^2/NDF : 374044.5/9

3822.177+/-0.765 χ^2/NDF : 4321344.4/27

3802.247+/-0.752 χ^2/NDF : 4608740.9/29

reg_asym_atl_dd_mean vs Slug



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

Left Out: 863.650+/-673.444 χ^2/NDF : 15.7/10

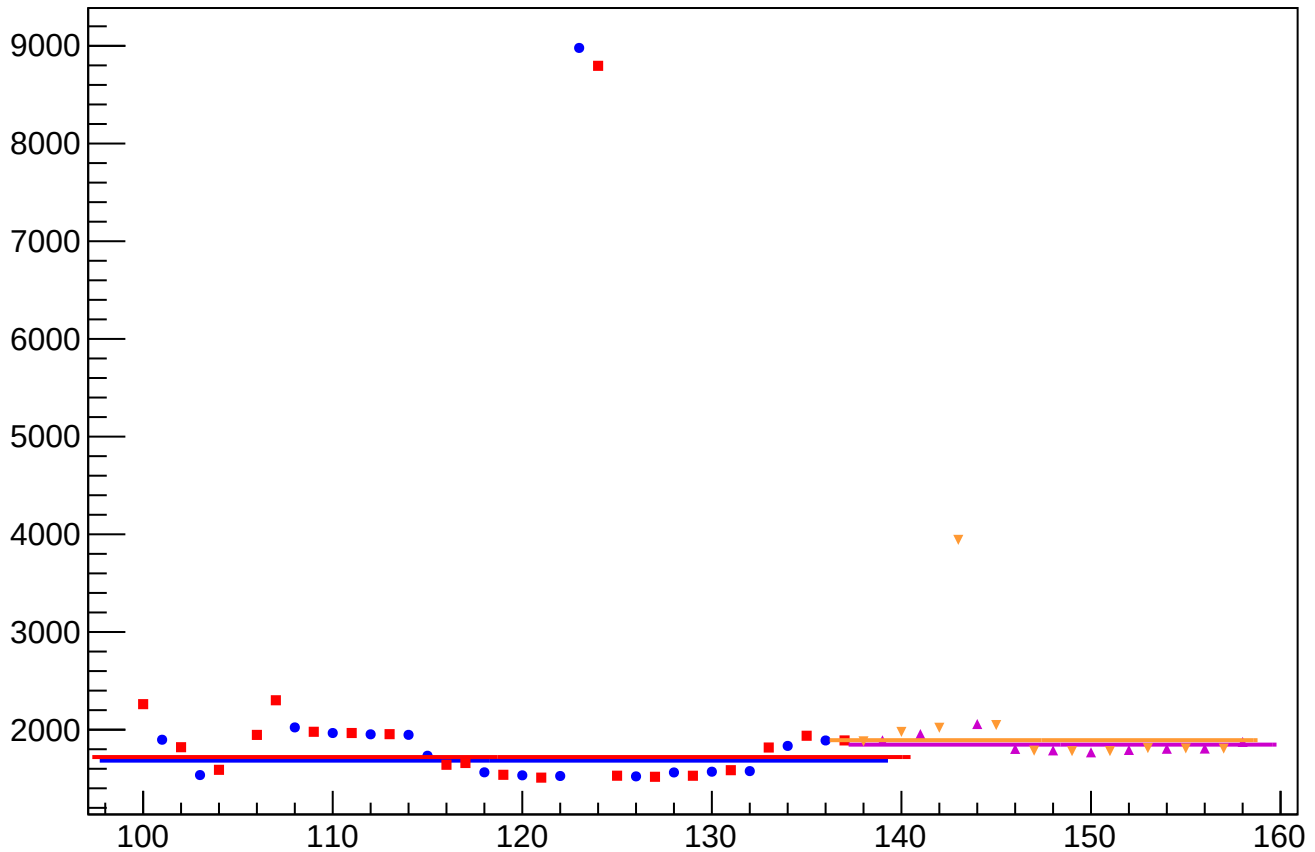
Right Out: 558.377+/-658.875 χ^2/NDF : 26.8/19

Left In: 833.859+/-648.151 χ^2/NDF : 3.7/9

431.028+/-471.772 χ^2/NDF : 27.6/27

698.378+/-462.057 χ^2/NDF : 30.6/29

reg_asym_atl_dd_rms vs Slug



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

Left Out: 1892.649+/-0.476 χ^2/NDF : 400465.3/10

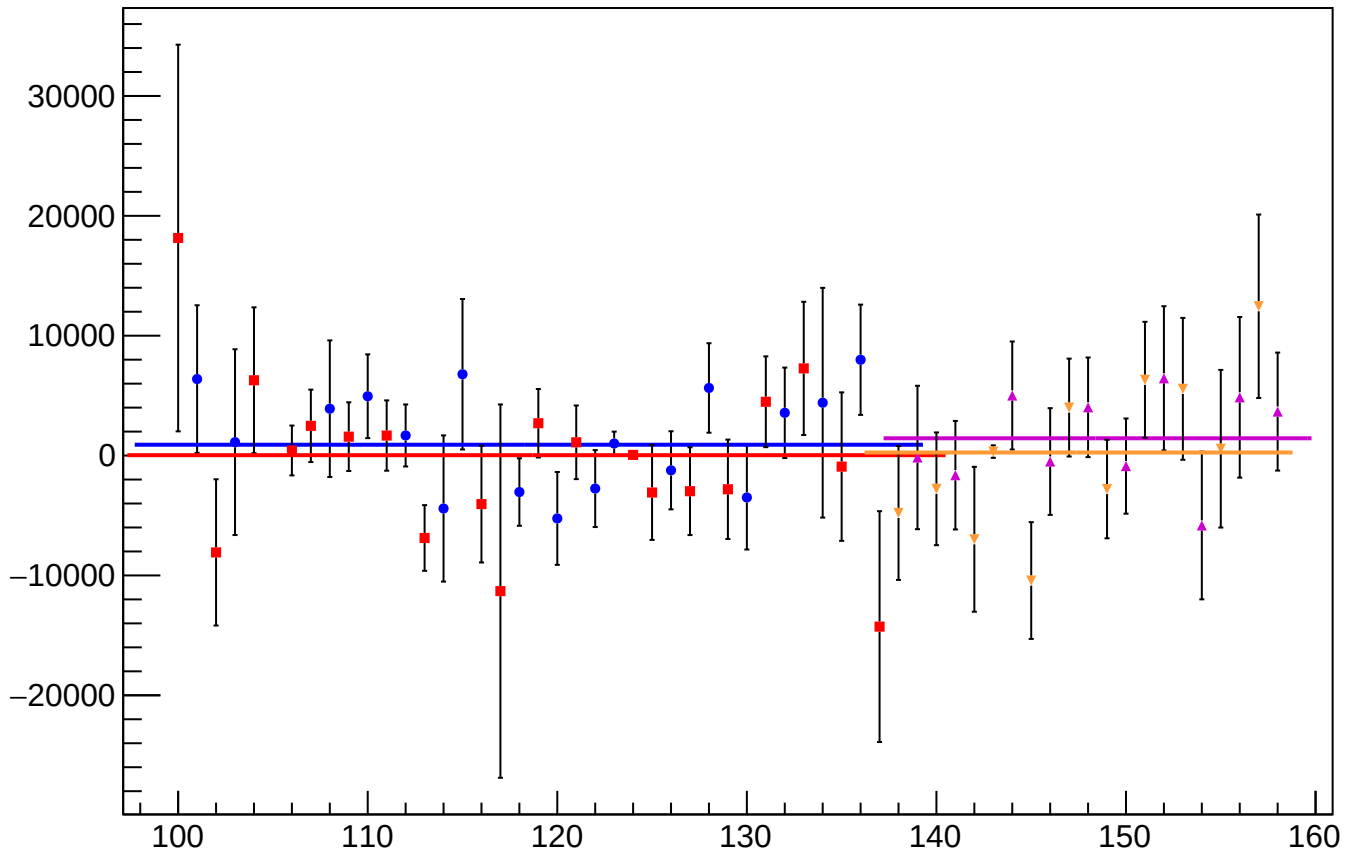
Right Out: 1719.963+/-0.464 χ^2/NDF : 396217.5/19

Left In: 1847.233+/-0.458 χ^2/NDF : 33597.8/9

1786.017+/-0.334 χ^2/NDF : 694820.8/27

1784.368+/-0.326 χ^2/NDF : 467905.0/29

asym_atl_dd_correction_mean vs Slug



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

Left Out: 257.324+/-497.473 χ^2/NDF : 13.8/10

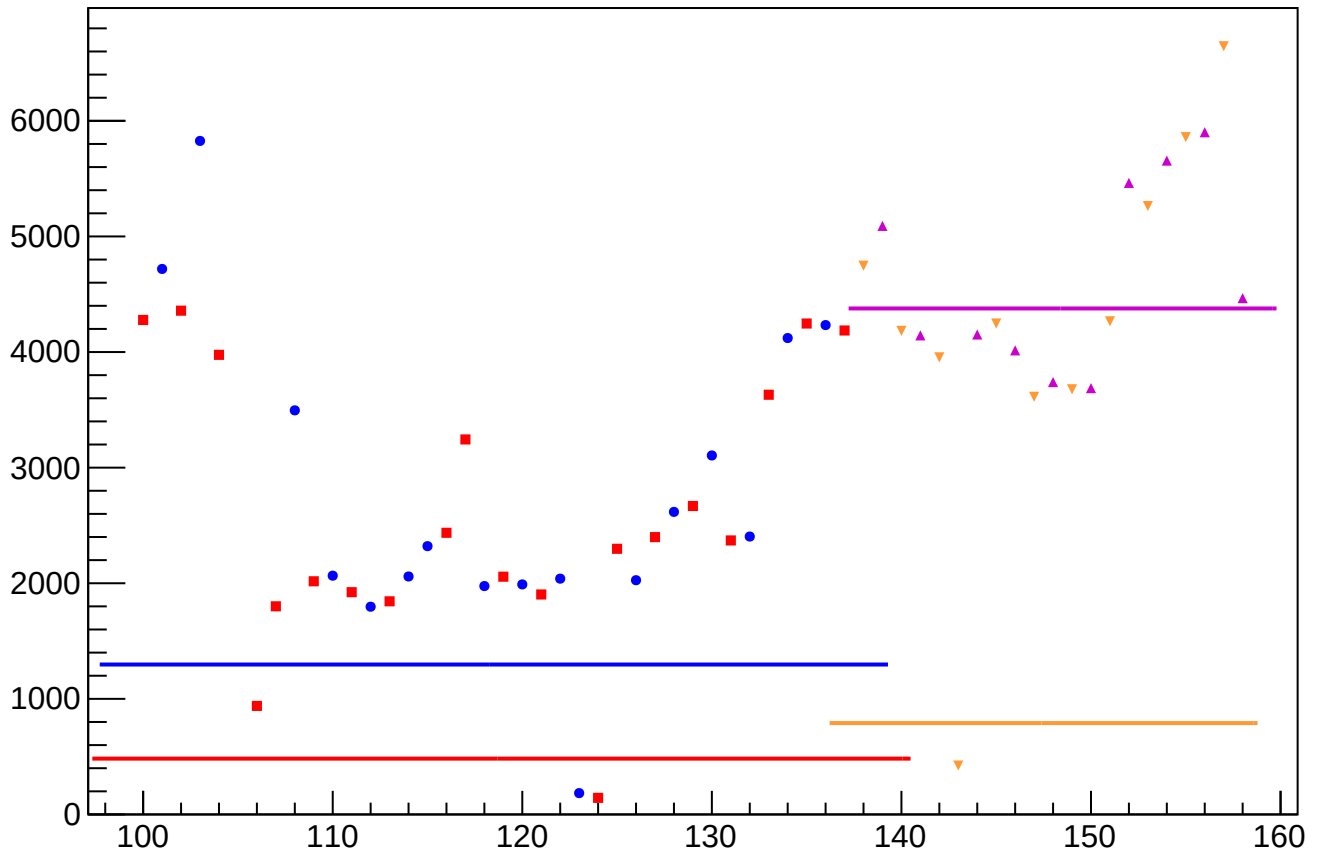
Right Out: 32.177+/-357.083 χ^2/NDF : 21.0/19

Left In: 1442.144+/-1551.841 χ^2/NDF : 4.6/9

471.837+/-406.575 χ^2/NDF : 30.4/27

103.077+/-347.989 χ^2/NDF : 26.5/29

asym_atl_dd_correction_rms vs Slug



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

Left Out: 790.547+/-0.352 χ^2/NDF :11065464.6/10

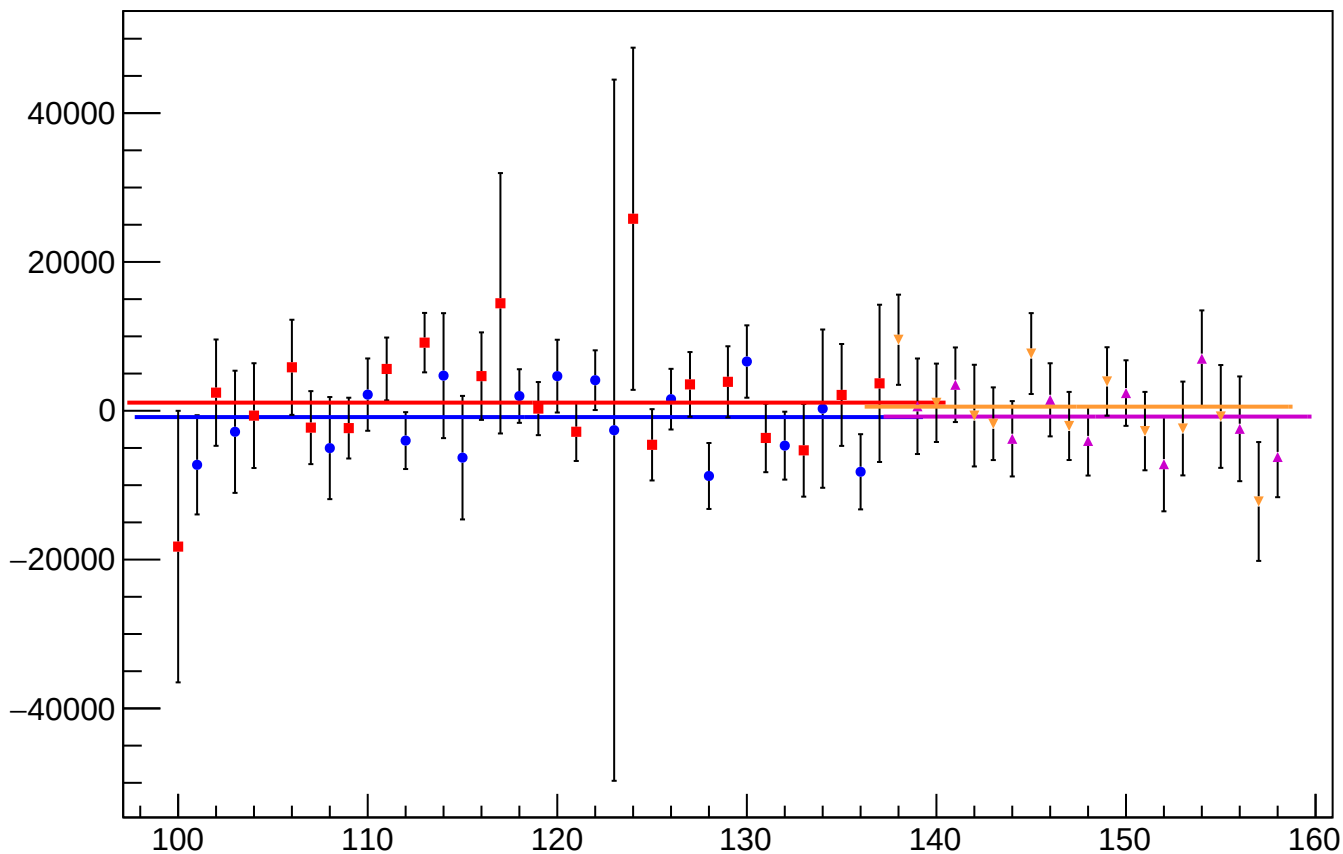
958.718+/-0.287 χ^2/NDF : 18263384.1/27

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

678.835+/-0.246 χ^2/NDF : 22581185.6/29

Left In: 4376.969+/-1.097 χ^2/NDF :414776.2/9

asym_atl_dd_mean vs Slug



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

Left Out: 551.757 ± 1682.334 χ^2/NDF : 8.2/10

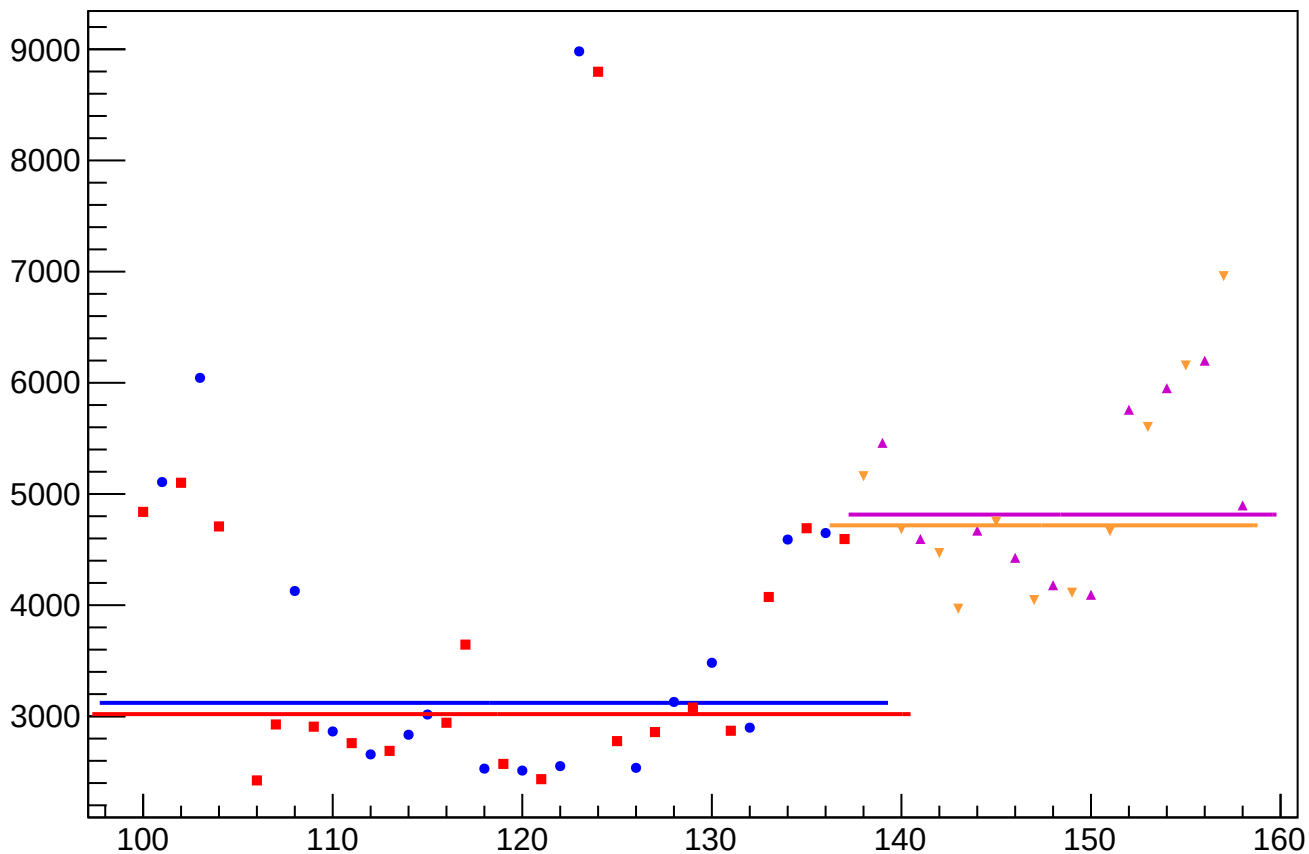
Right Out: 1095.033 ± 1187.966 χ^2/NDF : 15.6/19

Left In: -783.024 ± 1701.802 χ^2/NDF : 5.9/9

-345.337 ± 1009.029 χ^2/NDF : 24.1/27

479.711 ± 974.105 χ^2/NDF : 22.3/29

asym_atl_dd_rms vs Slug



Right In: 3121.417 ± 0.892 $\chi^2/\text{NDF}: 945708.1/16$

Left Out: 4718.030 ± 1.190 $\chi^2/\text{NDF}: 422133.8/10$

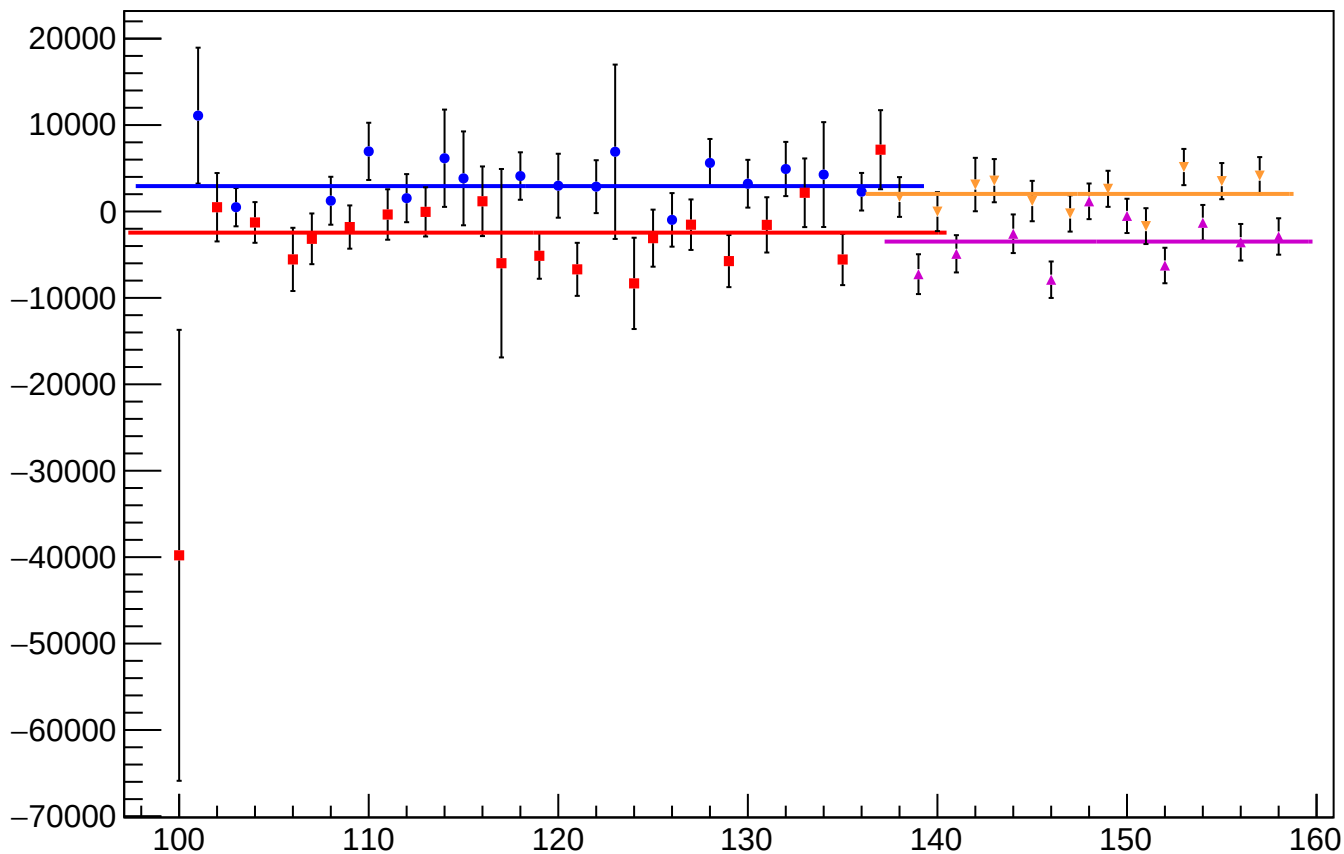
Right Out: 3020.039 ± 0.830 $\chi^2/\text{NDF}: 794563.8/19$

Left In: 4814.762 ± 1.203 $\chi^2/\text{NDF}: 312643.4/9$

3695.771 ± 0.713 $\chi^2/\text{NDF}: 2521205.5/27$

3598.243 ± 0.683 $\chi^2/\text{NDF}: 2614953.3/29$

reg_asym_atr_avg_mean vs Slug



Right In: 2935.827 ± 775.365 $\chi^2/\text{NDF}: 8.2/16$

Left Out: 2031.384 ± 674.837 $\chi^2/\text{NDF}: 9.6/10$

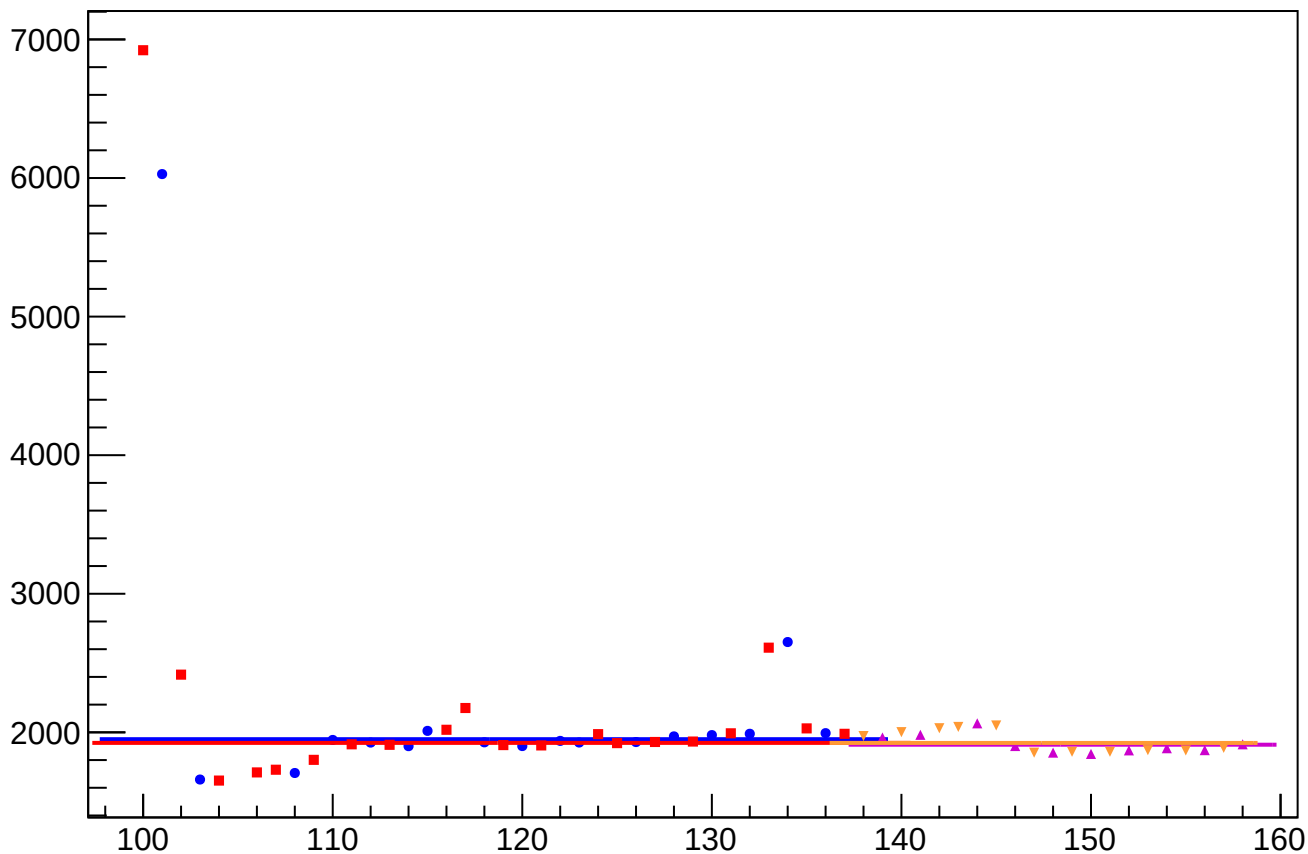
Right Out: -2449.072 ± 738.715 $\chi^2/\text{NDF}: 18.3/19$

Left In: -3484.372 ± 668.381 $\chi^2/\text{NDF}: 18.0/9$

2421.210 ± 509.039 $\chi^2/\text{NDF}: 18.5/27$

-3018.343 ± 495.622 $\chi^2/\text{NDF}: 37.4/29$

reg_asym_atr_avg_rms vs Slug



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

Left Out: 1923.561 ± 0.477 χ^2/NDF : 24860.1/10

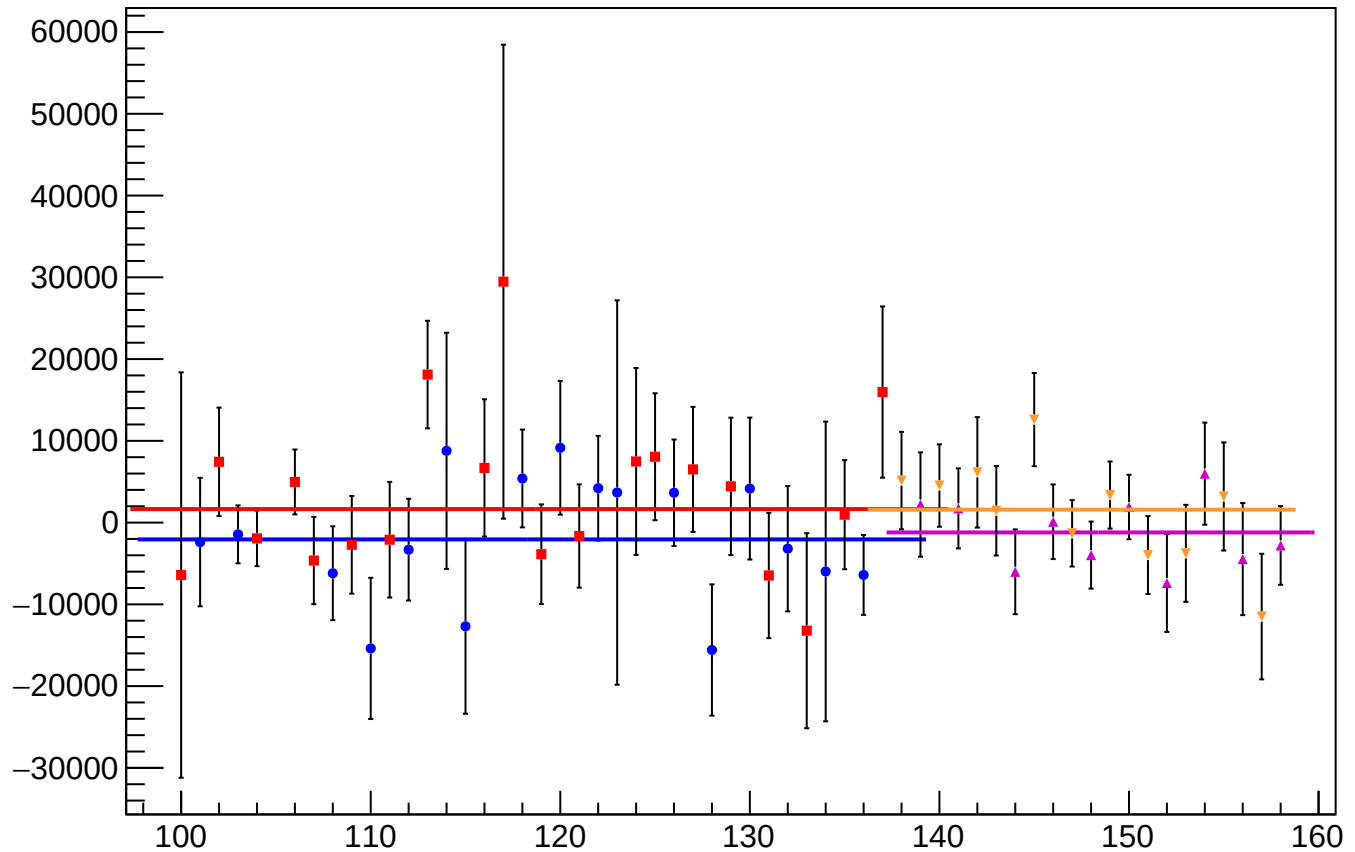
Right Out: 1923.907 ± 0.521 χ^2/NDF : 218470.6/19

Left In: 1910.737 ± 0.473 χ^2/NDF : 18352.4/9

1935.221 ± 0.360 χ^2/NDF : 643577.7/27

1916.681 ± 0.350 χ^2/NDF : 237173.5/29

asym_atr_avg_correction_mean vs Slug



Right In: -2056.876 ± 1661.079 $\chi^2/\text{NDF}: 14.0/16$

Left Out: 1583.395 ± 1609.683 $\chi^2/\text{NDF}: 10.7/10$

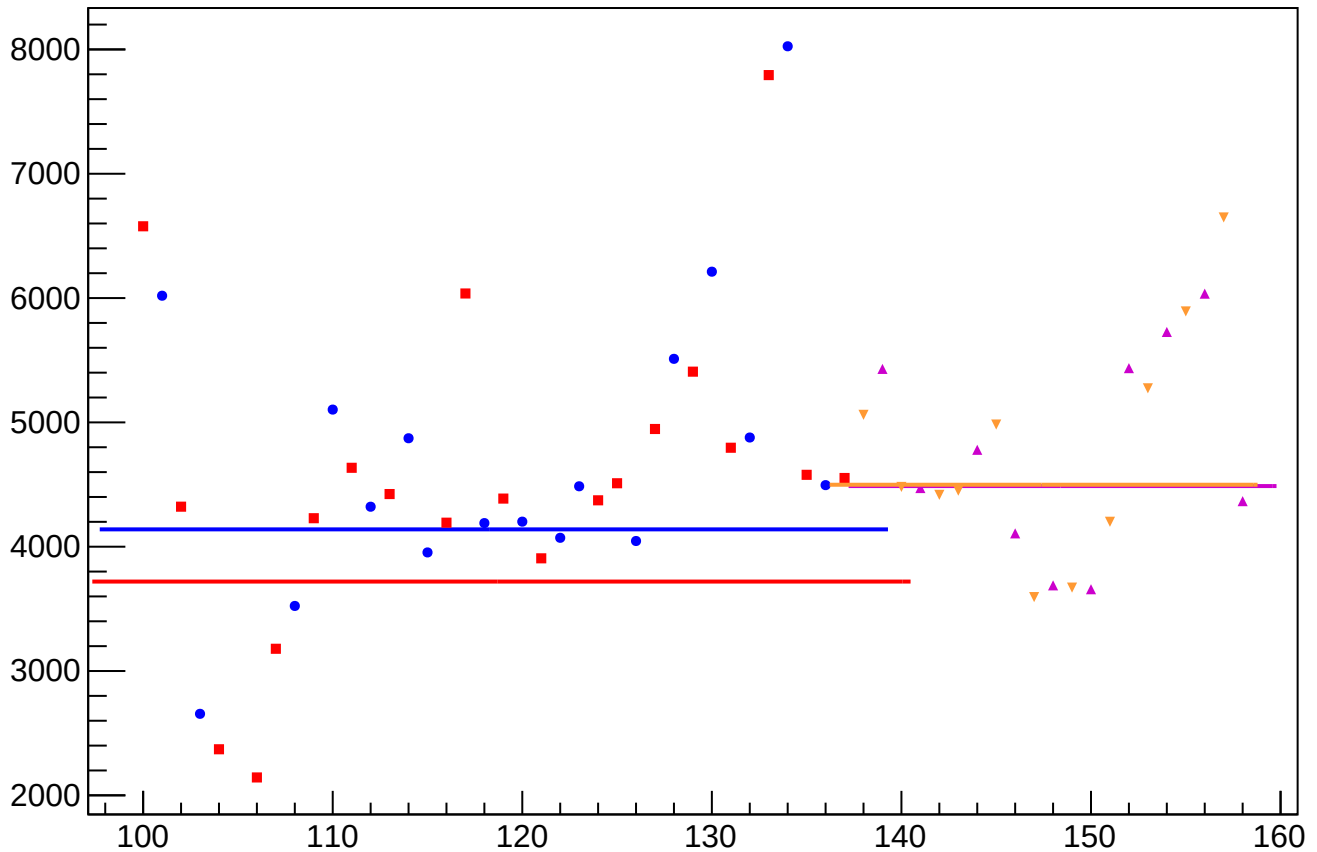
Right Out: 1652.978 ± 1475.490 $\chi^2/\text{NDF}: 19.5/19$

Left In: -1203.414 ± 1593.913 $\chi^2/\text{NDF}: 5.4/9$

-179.553 ± 1155.961 $\chi^2/\text{NDF}: 27.1/27$

334.823 ± 1082.777 $\chi^2/\text{NDF}: 26.7/29$

asym_atr_avg_correction_rms vs Slug



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

Left Out: 4498.373+/-1.138 χ^2/NDF : 500701.4/10

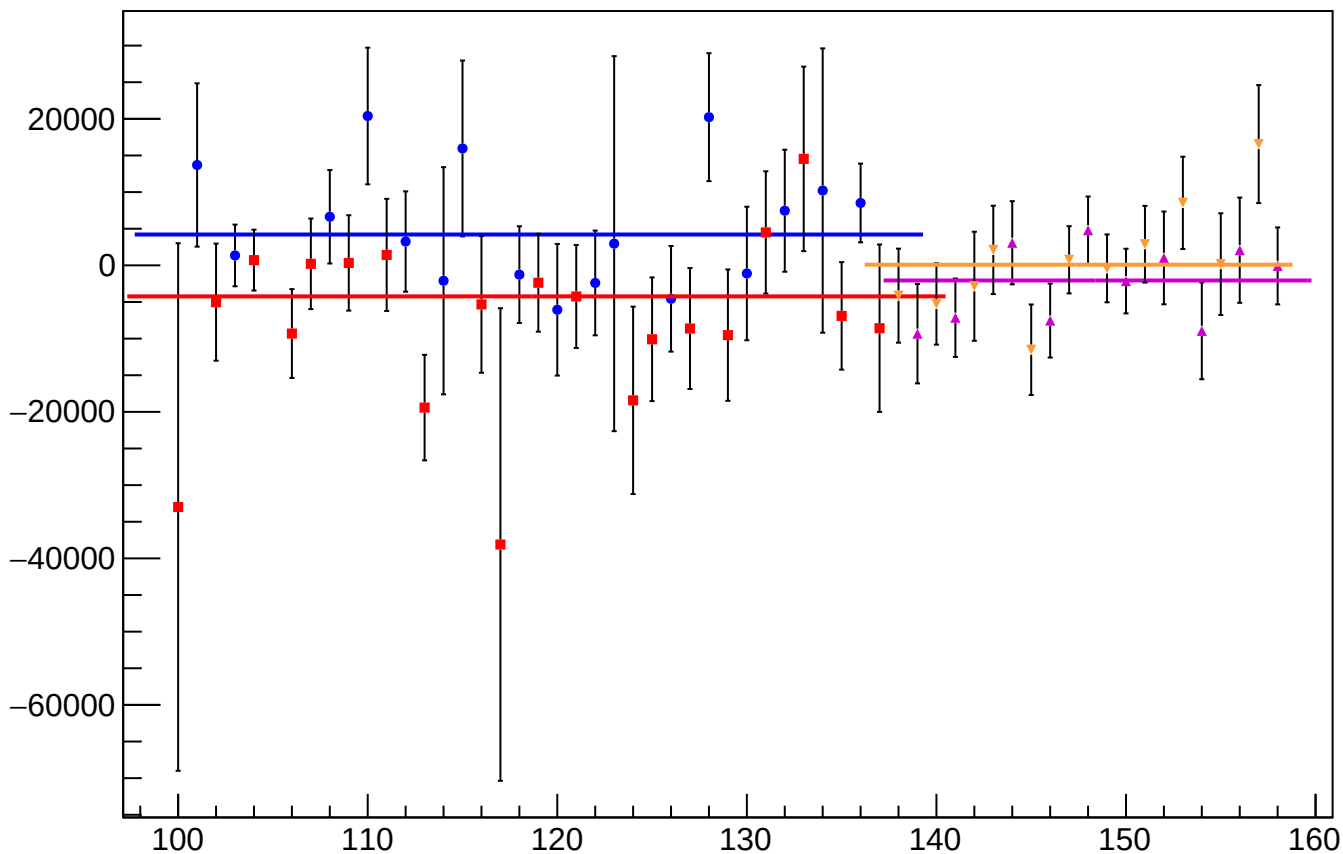
4324.523+/-0.817 χ^2/NDF : 1362424.1/27

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

4074.058+/-0.766 χ^2/NDF : 1999757.2/29

Left In: 4487.760+/-1.127 χ^2/NDF : 460921.9/9

asym_atr_avg_mean vs Slug



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

Left Out: 91.916+/-1766.890 χ^2/NDF : 11.5/10

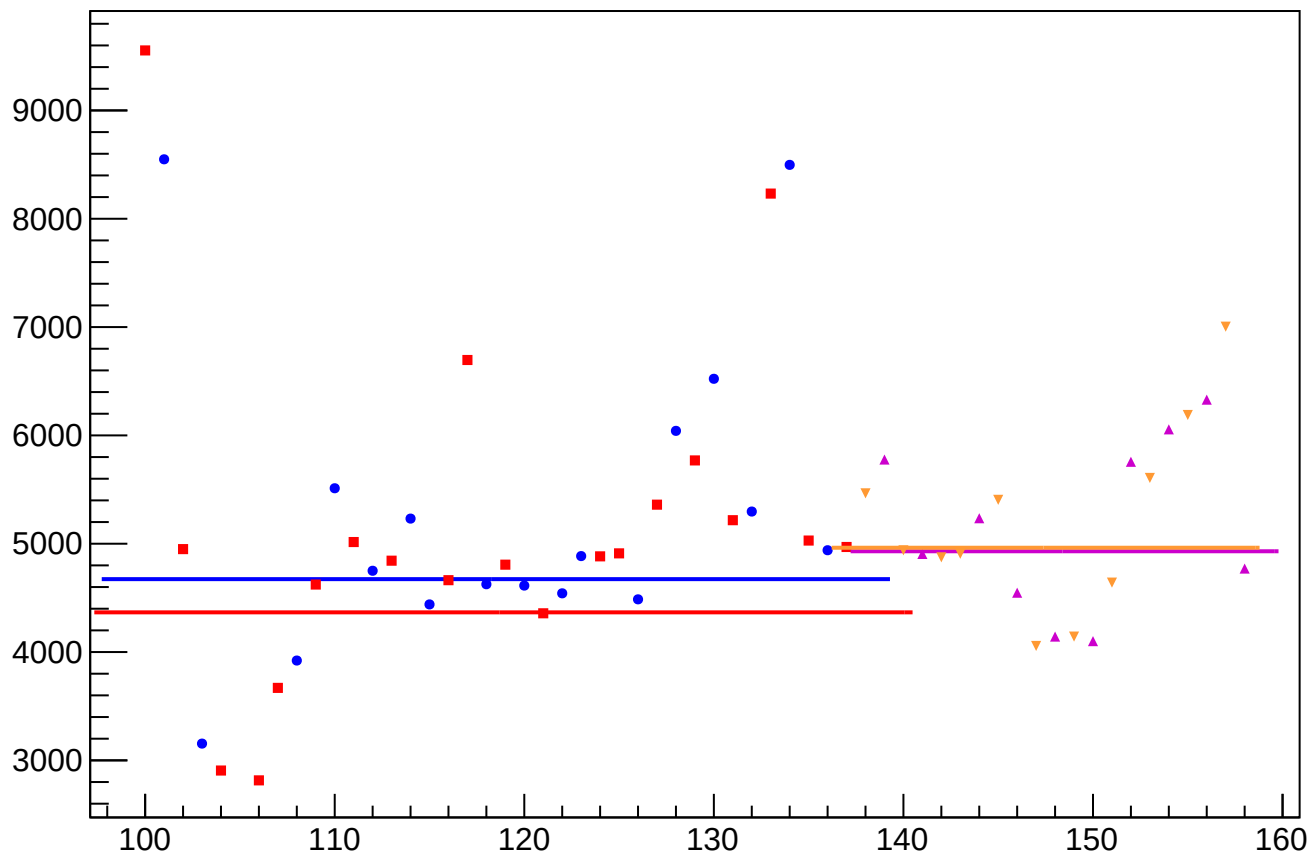
Right Out: -4230.596+/-1722.878 χ^2/NDF : 15.9/19

Left In: -2061.772+/-1744.041 χ^2/NDF : 8.1/9

2033.738+/-1284.707 χ^2/NDF : 28.4/27

-3159.422+/-1225.672 χ^2/NDF : 24.7/29

asym_atr_avg_rms vs Slug



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

Left Out: 4962.893+/-1.249 χ^2/NDF : 383007.5/10

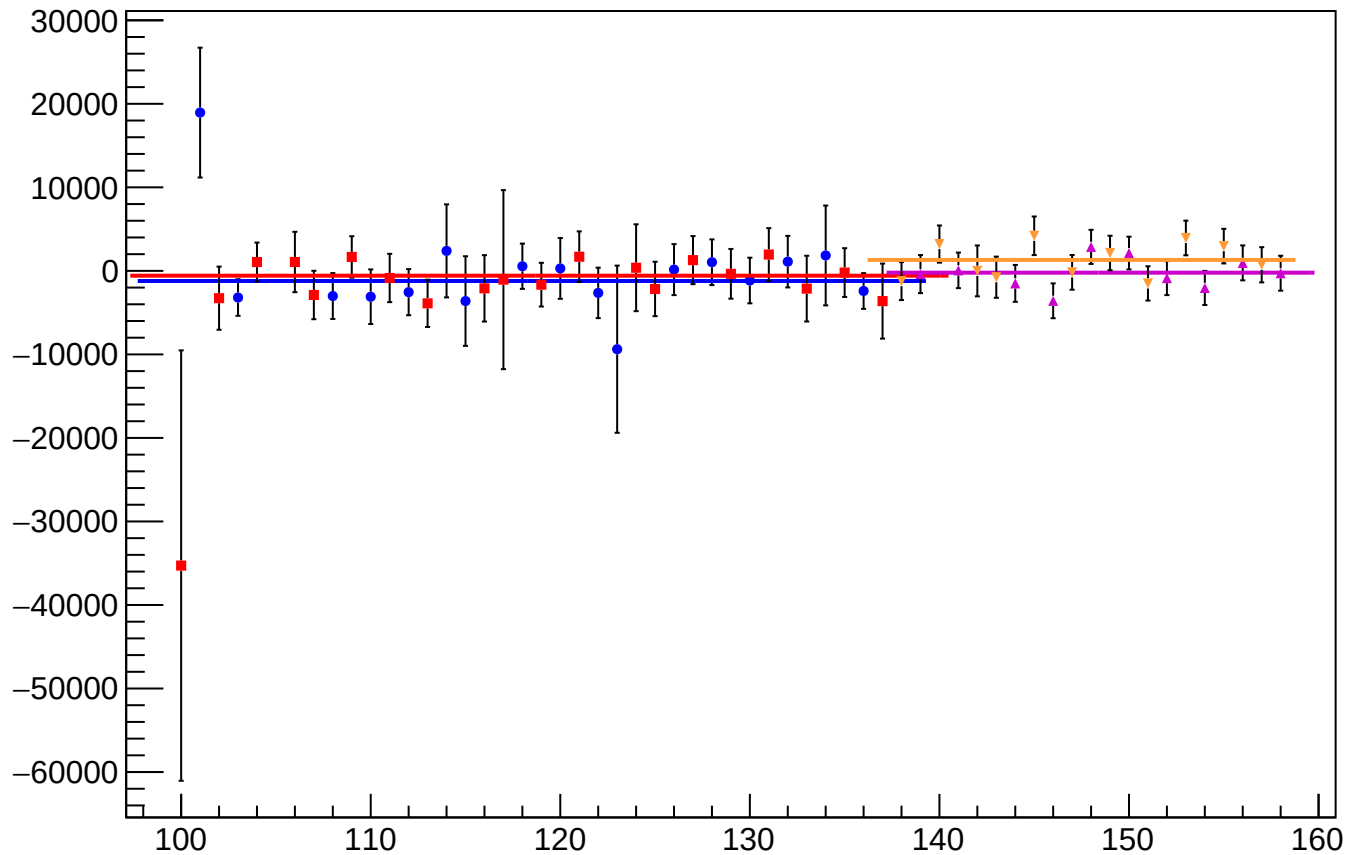
Right Out: 4366.422+/-1.211 χ^2/NDF : 842654.3/19

Left In: 4930.330+/-1.233 χ^2/NDF : 347468.7/9

4826.281+/-0.908 χ^2/NDF : 1185695.7/27

4643.306+/-0.864 χ^2/NDF : 1296547.7/29

reg_asym_atr_dd_mean vs Slug



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

Left Out: 1309.262 ± 666.639 χ^2/NDF : 9.3/10

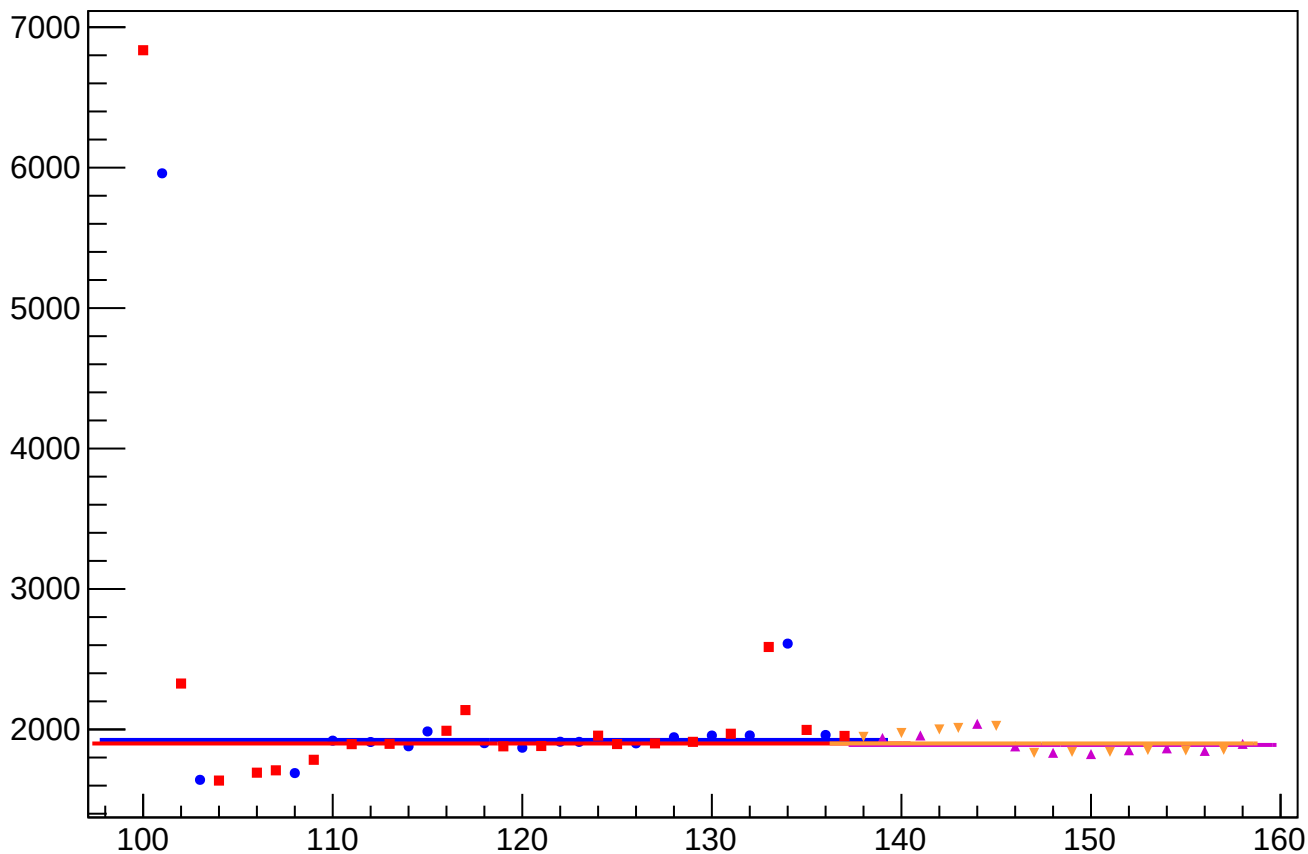
Right Out: -575.663 ± 728.976 χ^2/NDF : 8.7/19

Left In: -216.017 ± 661.010 χ^2/NDF : 7.9/9

221.872 ± 502.670 χ^2/NDF : 28.1/27

-378.296 ± 489.674 χ^2/NDF : 16.7/29

reg_asym_atr_dd_rms vs Slug



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

Left Out: 1900.302+/-0.471 χ^2 /NDF:23697.0/10

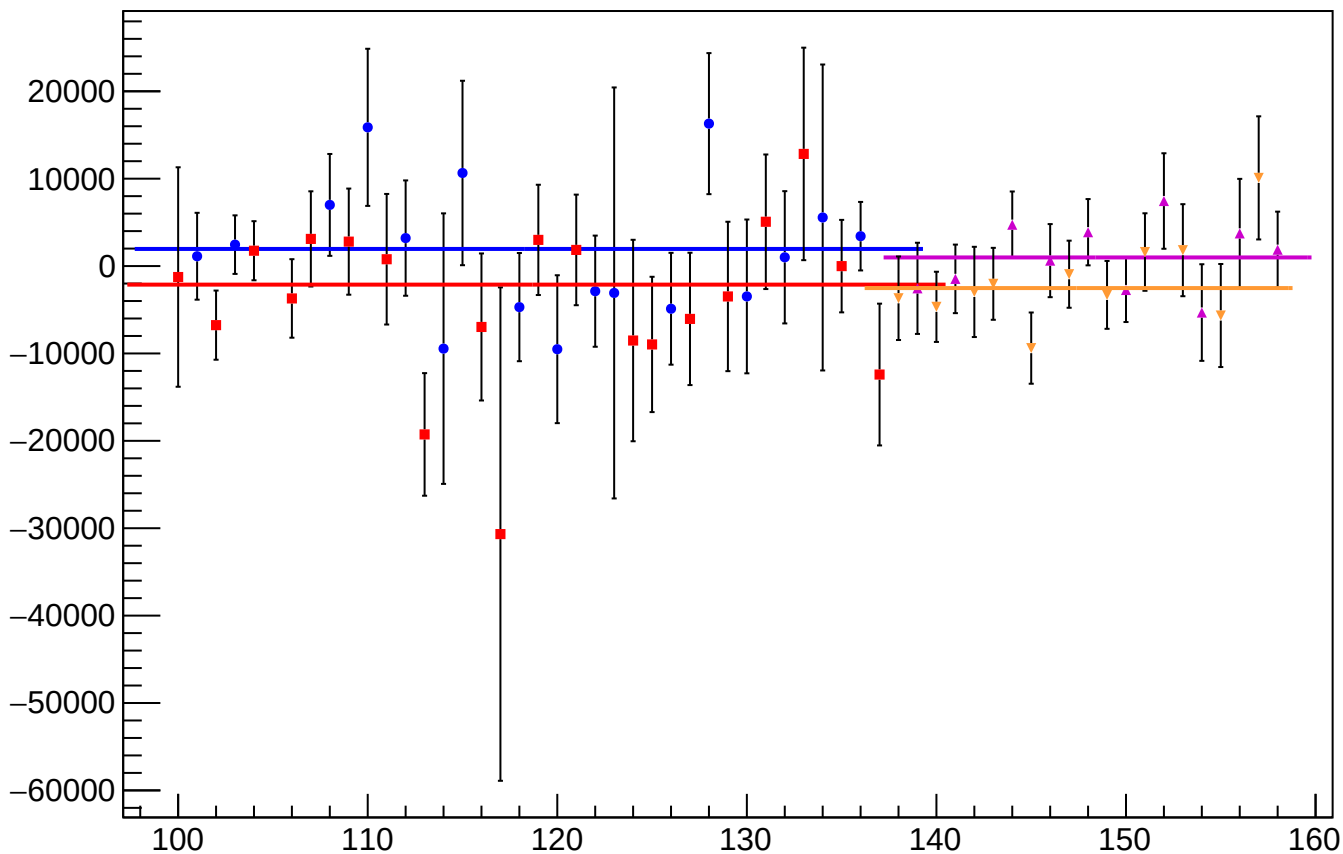
Right Out: 1899.955+/-0.514 χ^2 /NDF: 211865.1/19

Left In: 1889.707+/-0.467 χ^2 /NDF:17812.1/9

1911.096+/-0.355 χ^2 /NDF: 640775.9/27

1894.342+/-0.346 χ^2 /NDF: 229894.6/29

asym_atr_dd_correction_mean vs Slug



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

Left Out: -2518.745 ± 1370.305 χ^2/NDF : 8.4/10

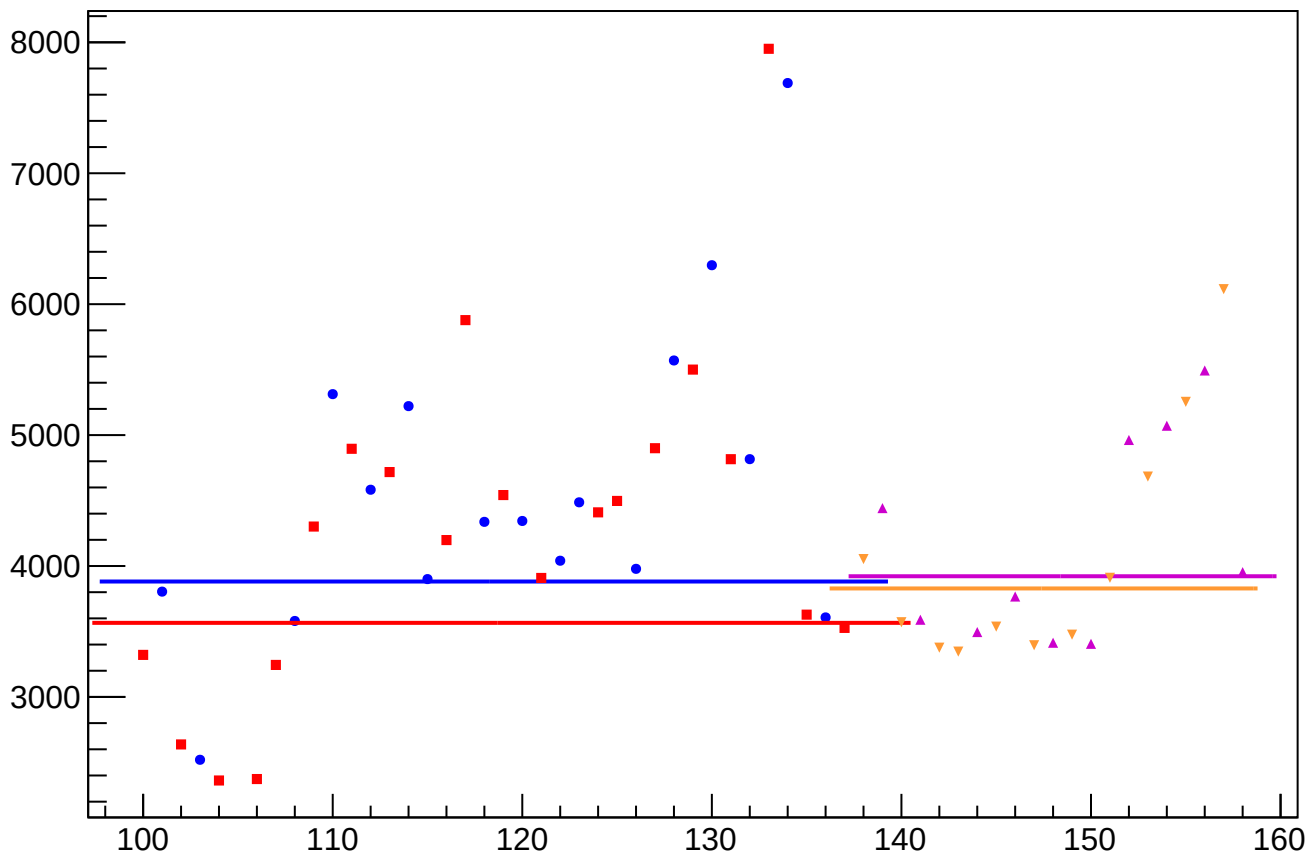
Right Out: -2124.415 ± 1411.872 χ^2/NDF : 18.5/19

Left In: 986.580 ± 1391.268 χ^2/NDF : 6.4/9

-564.041 ± 1028.613 χ^2/NDF : 26.1/27

-546.051 ± 990.979 χ^2/NDF : 27.3/29

asym_atr_dd_correction_rms vs Slug



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

Left Out: 3828.609 ± 0.969 χ^2/NDF : 488583.9/10

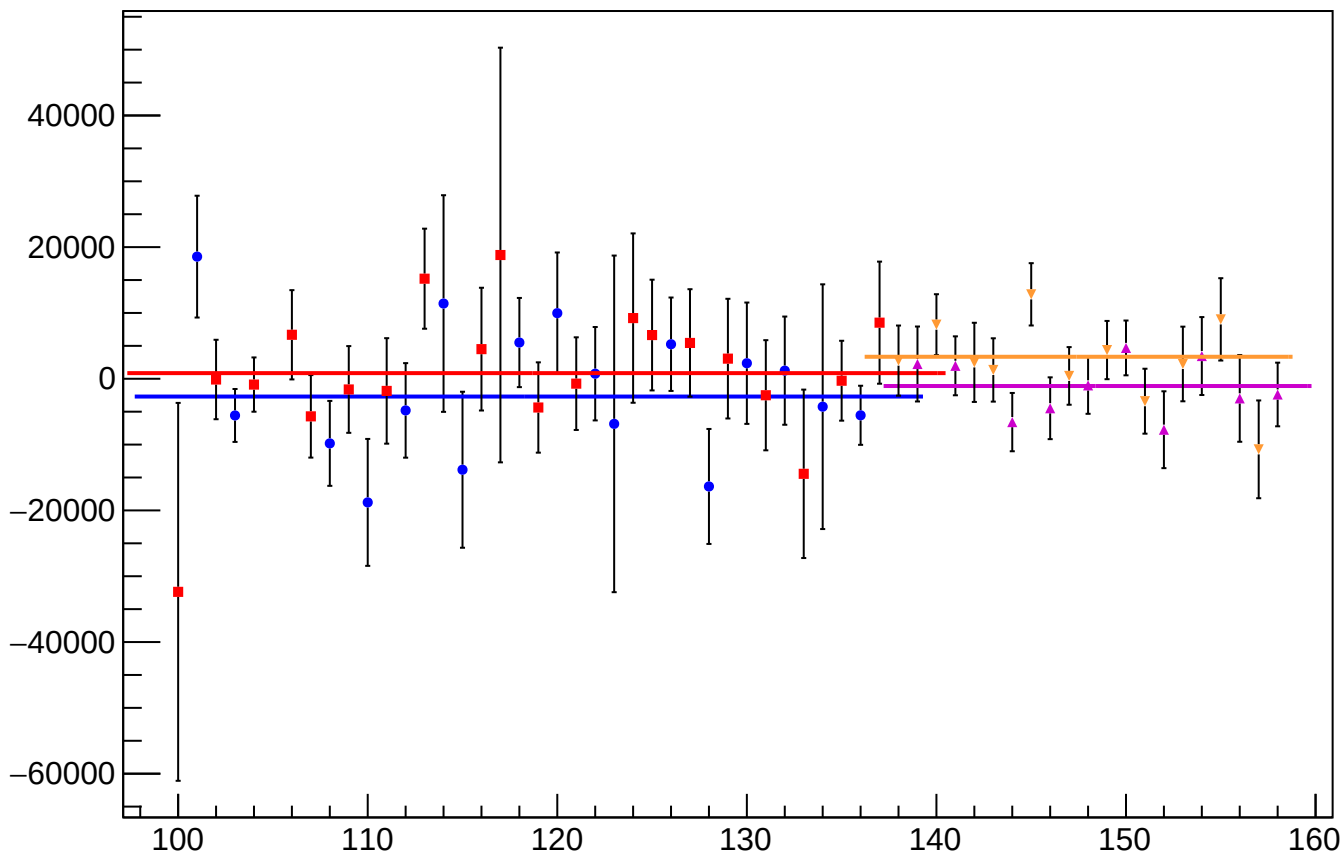
Right Out: 3565.851 ± 0.998 χ^2/NDF : 1254973.6/19

Left In: 3921.810 ± 0.984 χ^2/NDF : 423665.8/9

3851.731 ± 0.727 χ^2/NDF : 1307355.1/27

3746.447 ± 0.701 χ^2/NDF : 1743137.6/29

asym_atr_dd_mean vs Slug



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

Left Out: 3342.661 $\pm$ 1549.398 χ^2 /NDF:12.2/10

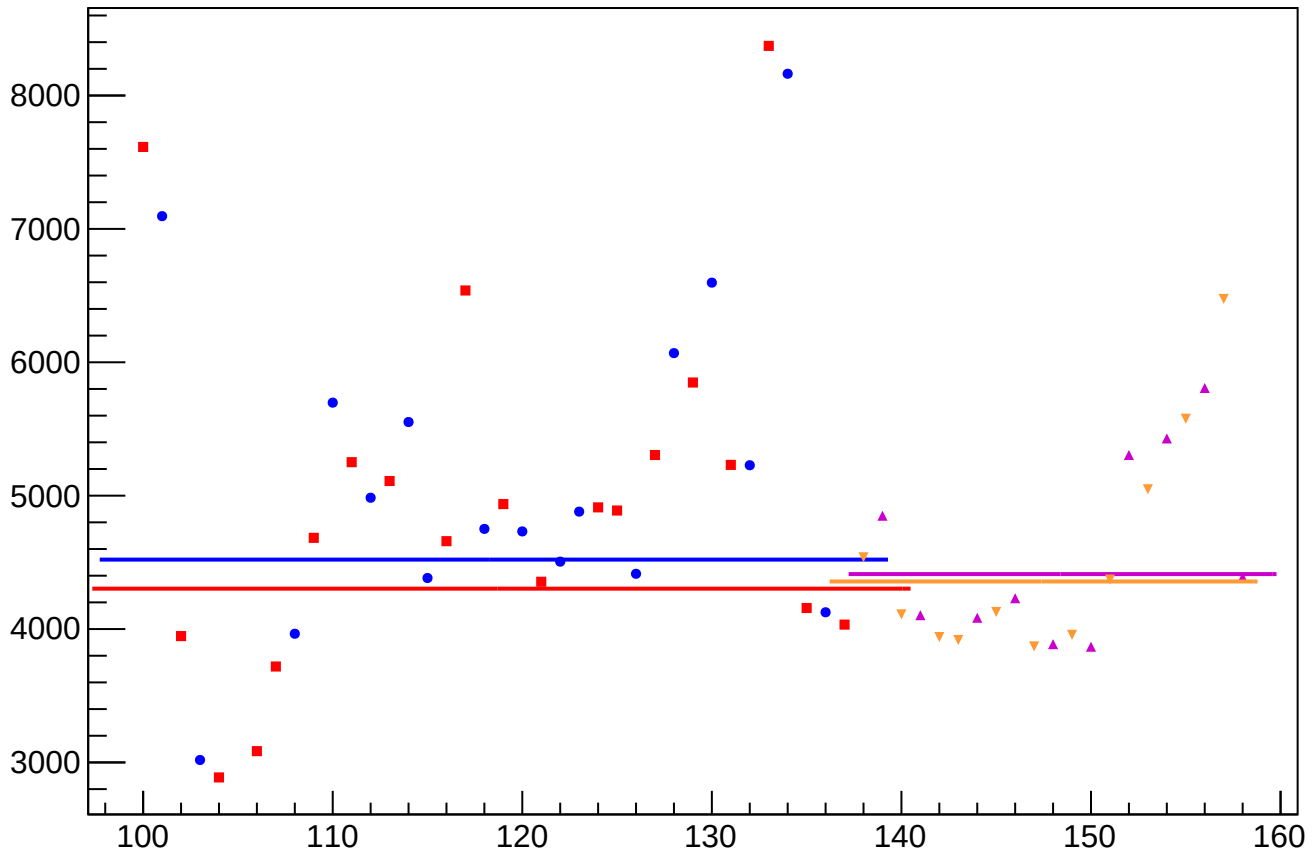
Right Out: 857.617 $\pm$ 1687.925 χ^2 /NDF: 11.9/19

Left In: -1101.301 $\pm$ 1557.897 χ^2 /NDF:6.8/9

785.442 $\pm$ 1176.783 χ^2 /NDF: 38.3/27

-200.191 $\pm$ 1144.812 χ^2 /NDF: 19.4/29

asym_atr_dd_rms vs Slug



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

Left Out: 4356.723+/-1.096 χ^2/NDF : 348501.7/10

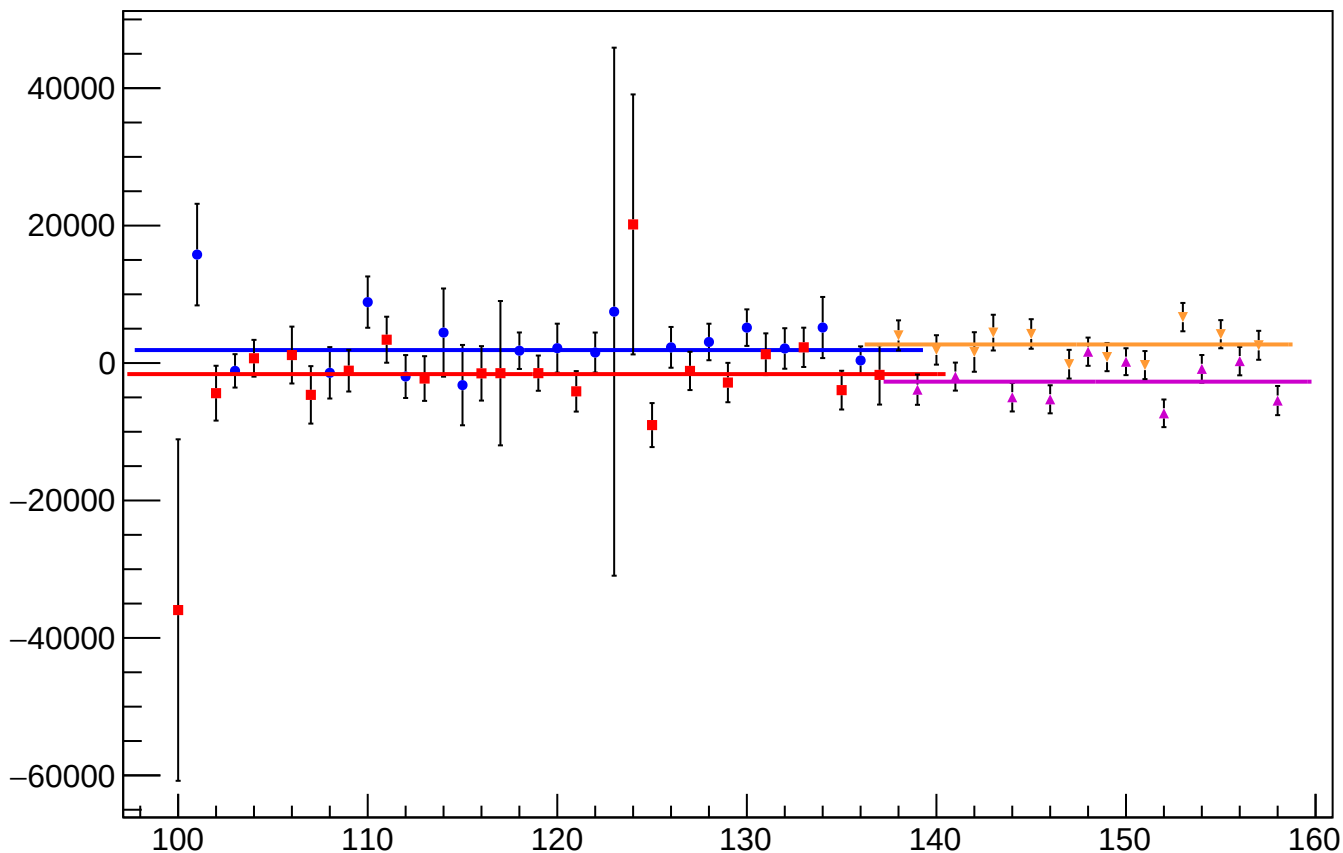
Right Out: 4302.892+/-1.187 χ^2/NDF : 781886.1/19

Left In: 4412.109+/-1.102 χ^2/NDF : 294414.2/9

4426.103+/-0.832 χ^2/NDF : 1128866.3/27

4361.568+/-0.807 χ^2/NDF : 1080849.0/29

reg_asym_at1_avg_mean vs Slug



Right In: 1887.915 $\pm$ 783.827 χ^2 /NDF: 14.7/16

Left Out: 2704.893 $\pm$ 656.840 χ^2 /NDF:10.7/10

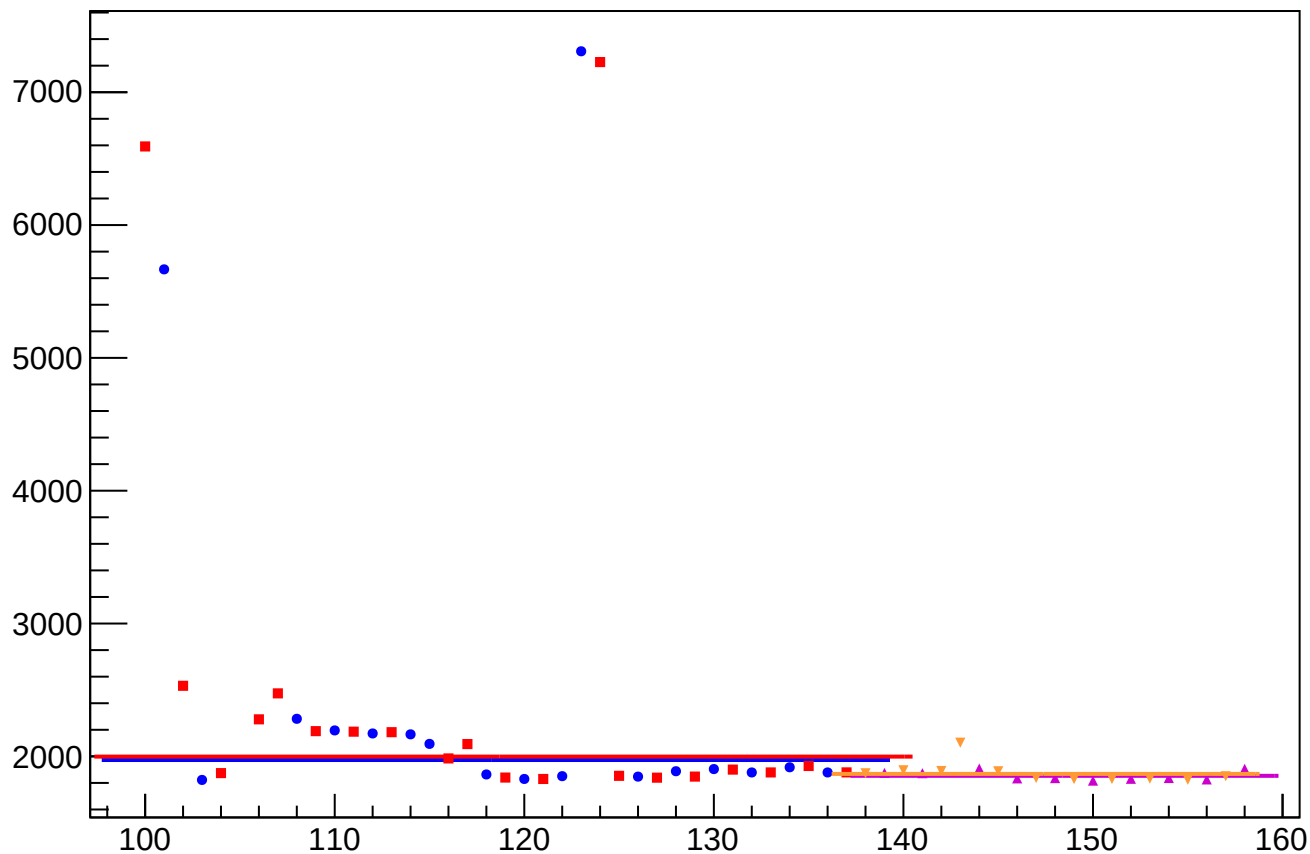
Right Out: -1609.604 $\pm$ 763.815 χ^2 /NDF: 17.5/19

Left In: -2710.968 $\pm$ 649.973 χ^2 /NDF:19.8/9

2367.861 $\pm$ 503.443 χ^2 /NDF: 26.0/27

-2248.399 $\pm$ 495.006 χ^2 /NDF: 38.5/29

reg_asym_at1_avg_rms vs Slug



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

Left Out: 1867.859+/-0.464 χ^2/NDF : 20513.8/10

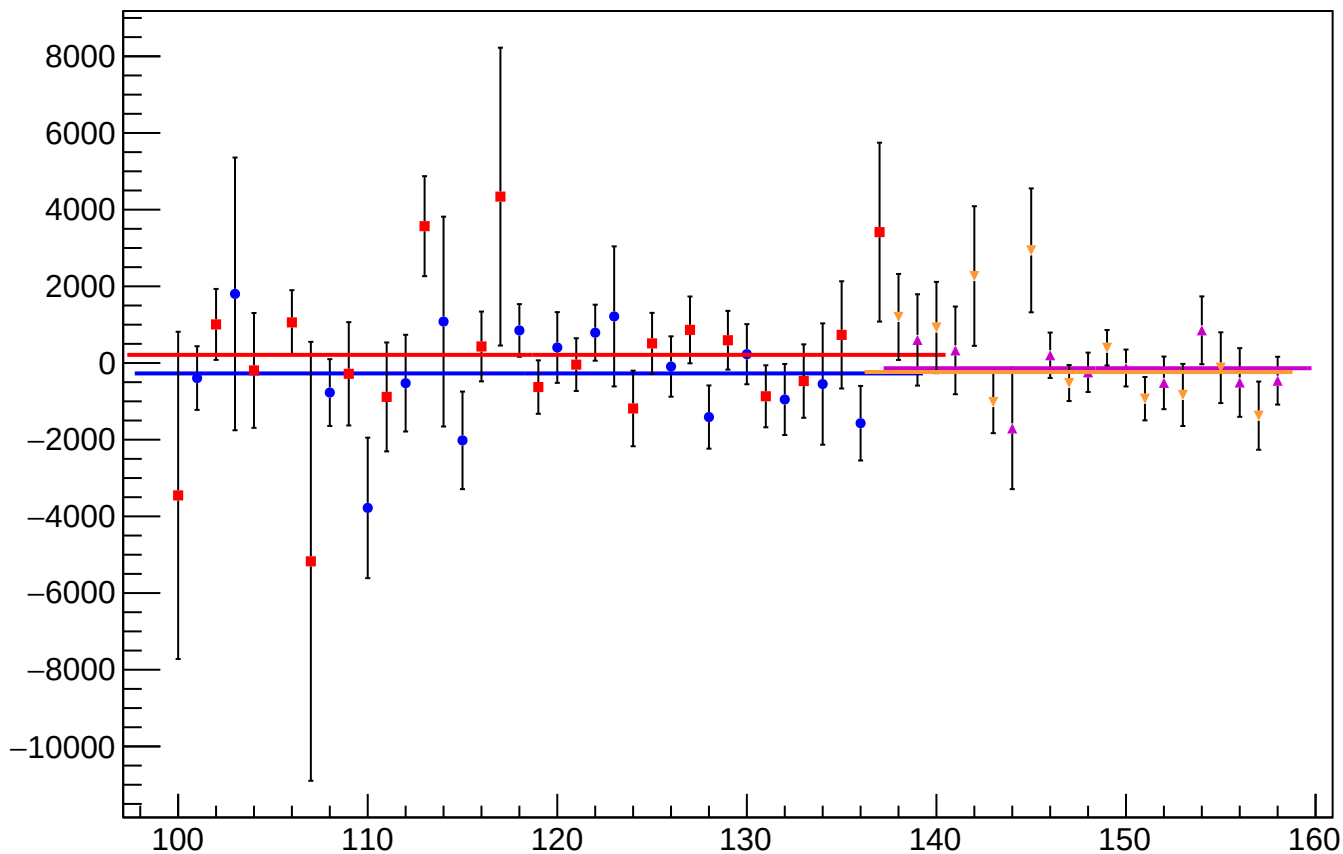
Right Out: 1998.150+/-0.540 χ^2/NDF : 355735.1/19

Left In: 1853.403+/-0.460 χ^2/NDF : 4747.3/9

1911.021+/-0.356 χ^2/NDF : 642316.8/27

1914.196+/-0.350 χ^2/NDF : 402140.8/29

asym_at1_avg_correction_mean vs Slug



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

Left Out: -234.652+/-223.583 χ^2/NDF : 15.2/10

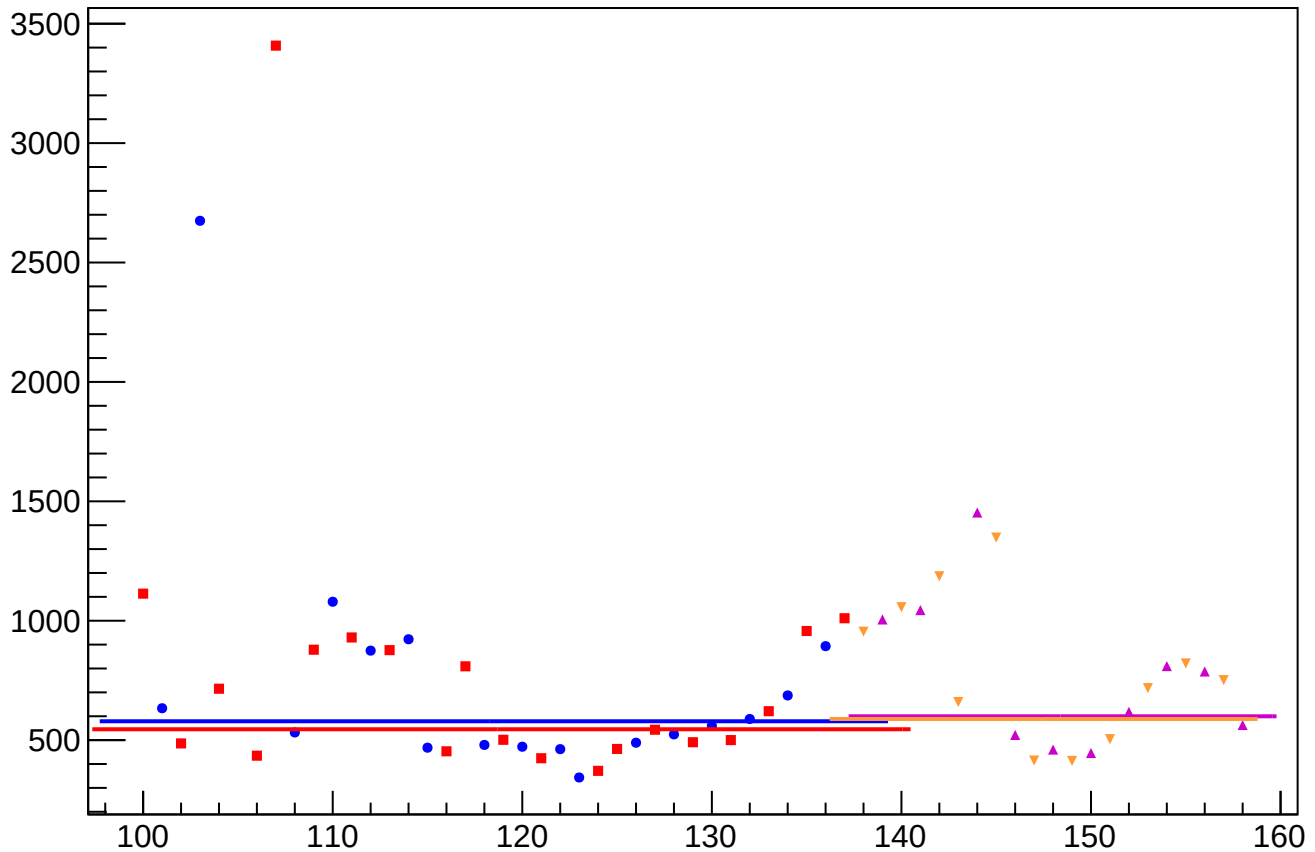
Right Out: 212.774+/-228.638 χ^2/NDF : 20.9/19

Left In: -136.506+/-223.315 χ^2/NDF : 3.9/9

-251.883+/-163.661 χ^2/NDF : 32.5/27

34.020+/-159.756 χ^2/NDF : 26.0/29

asym_at1_avg_correction_rms vs Slug



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

Left Out: 588.635+/-0.158 χ^2/NDF : 2047696.5/10

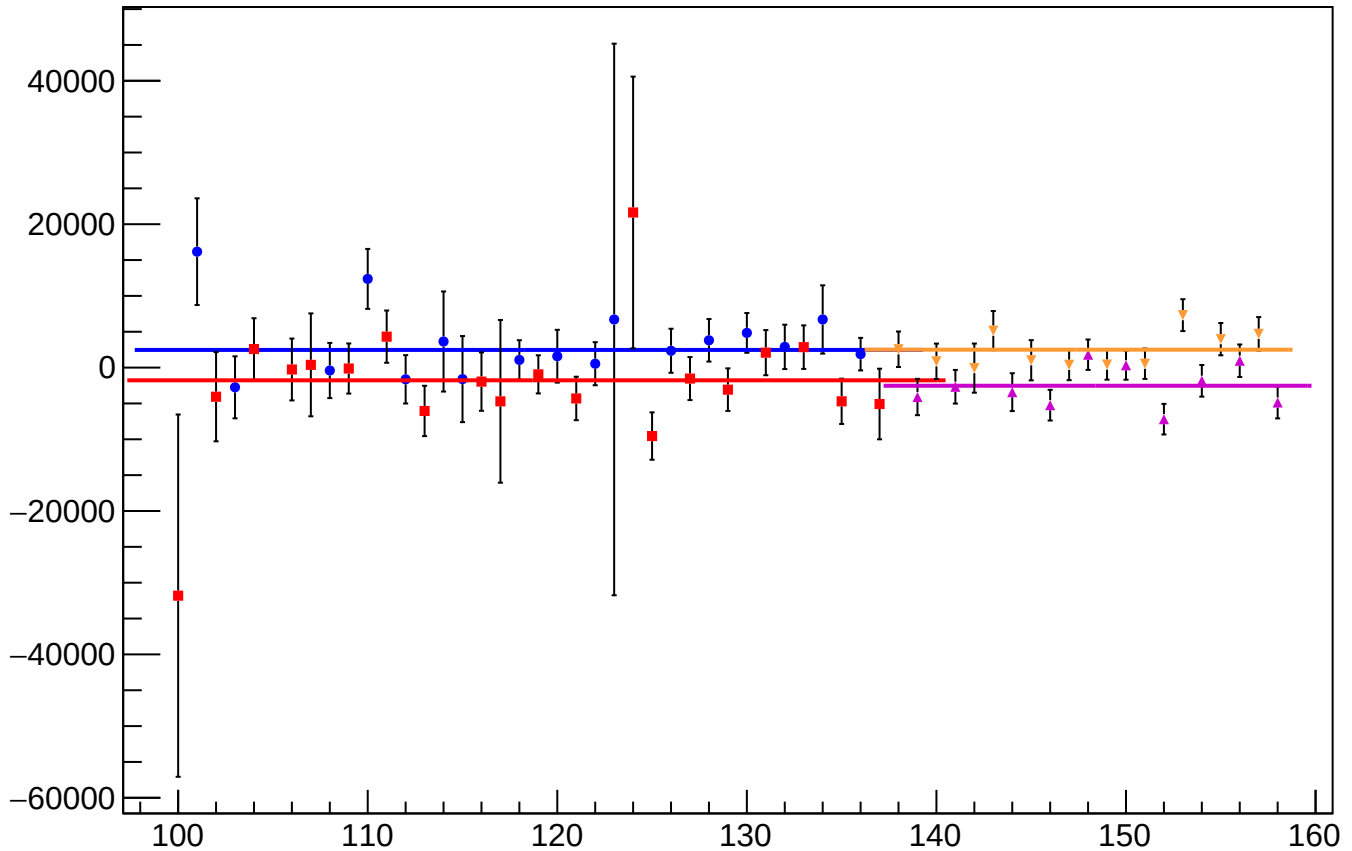
Right Out: 545.590+/-0.162 χ^2/NDF : 1467038.8/19

Left In: 599.822+/-0.158 χ^2/NDF : 1710481.9/9

584.167+/-0.116 χ^2/NDF : 3471565.4/27

573.345+/-0.113 χ^2/NDF : 3235108.8/29

asym_at1_avg_mean vs Slug



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

Left Out: 2496.543+/-721.442 χ^2/NDF : 11.0/10

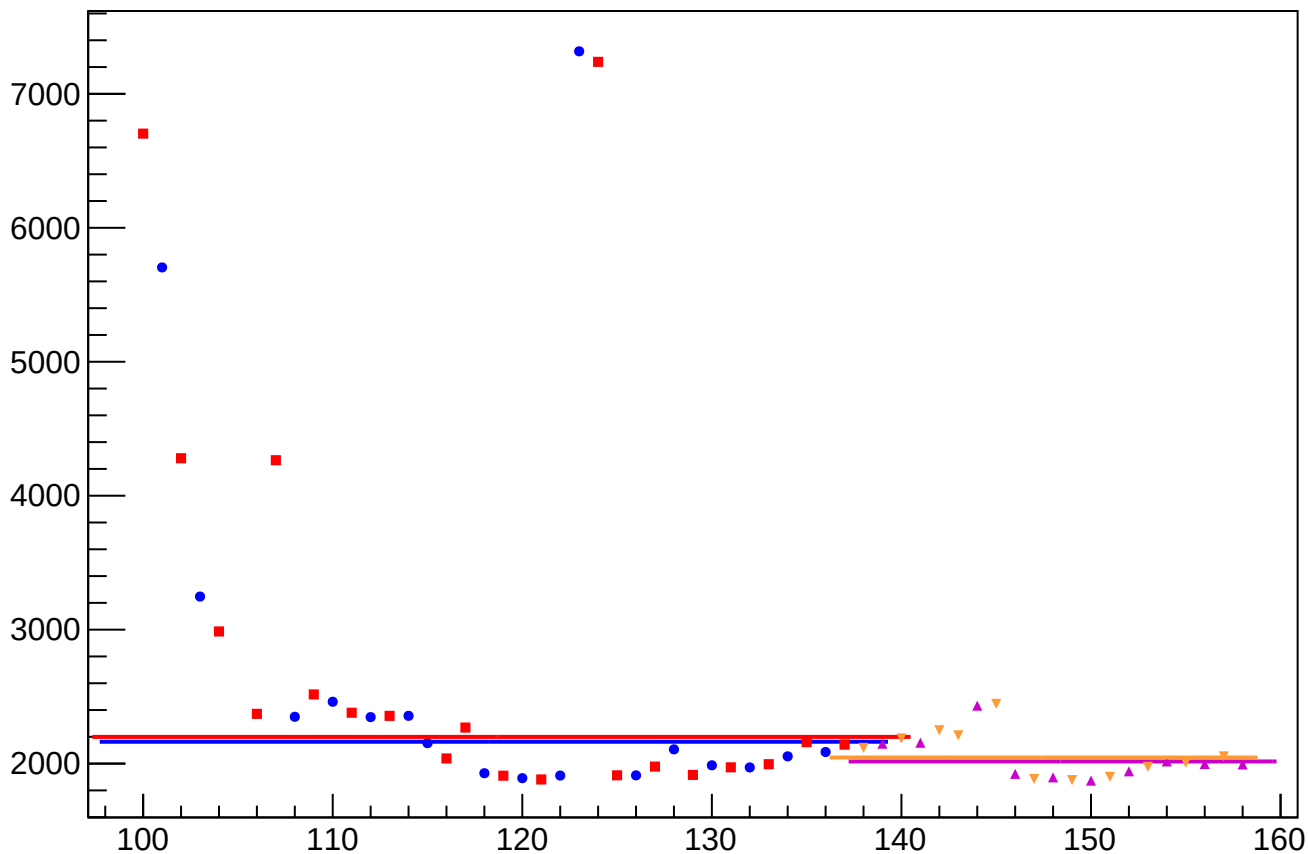
Right Out: -1773.396+/-850.889 χ^2/NDF : 20.5/19

Left In: -2532.331+/-708.755 χ^2/NDF : 16.6/9

2483.191+/-553.561 χ^2/NDF : 26.6/27

-2221.457+/-544.581 χ^2/NDF : 37.7/29

asym_at1_avg_rms vs Slug



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

Left Out: 2045.555+/-0.510 χ^2/NDF : 99401.0/10

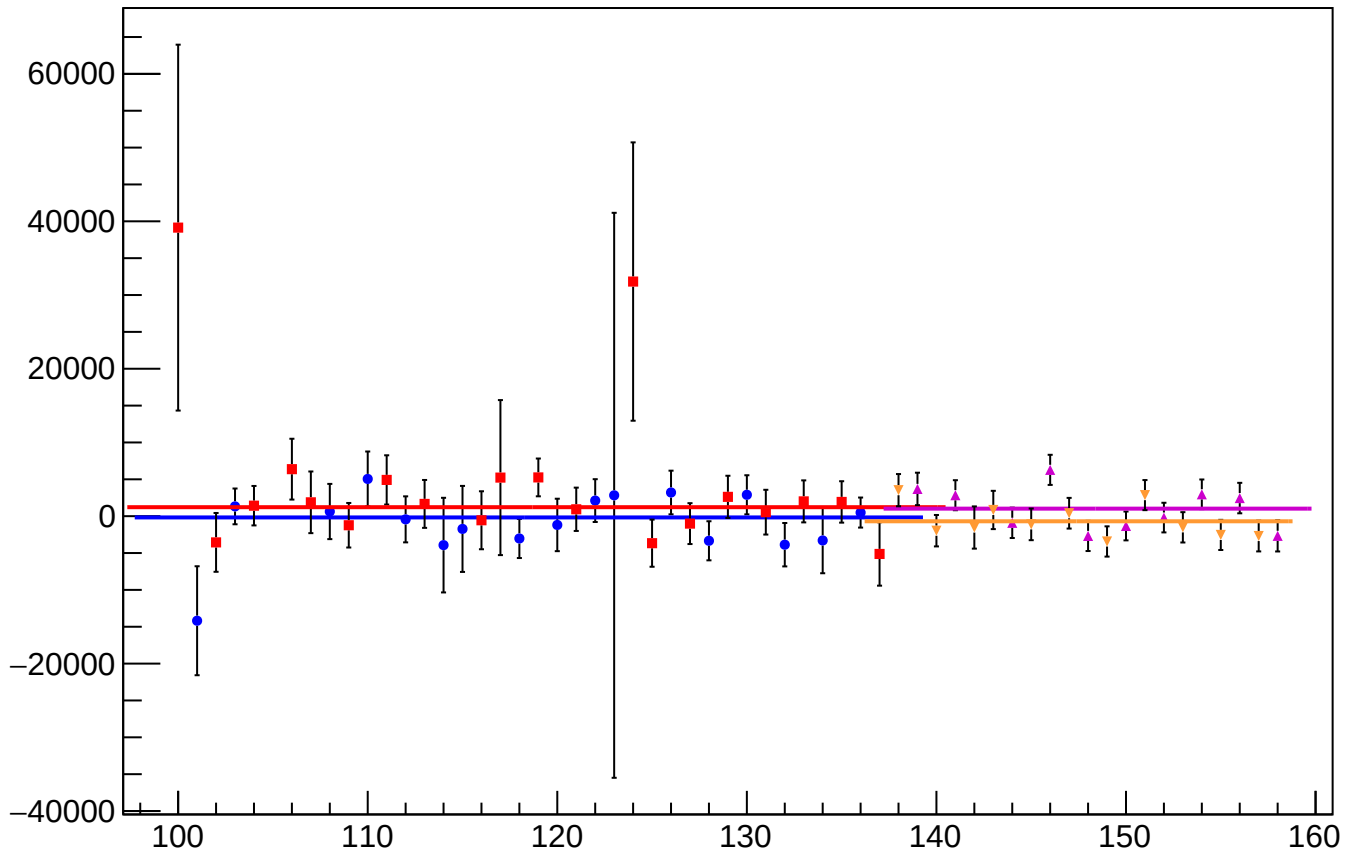
Right Out: 2199.398+/-0.602 χ^2/NDF : 803373.4/19

Left In: 2016.024+/-0.501 χ^2/NDF : 85198.4/9

2093.980+/-0.391 χ^2/NDF : 830895.3/27

2091.138+/-0.385 χ^2/NDF : 943411.1/29

reg_asym_at1_dd_mean vs Slug



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

Left Out: -693.842+/-655.296 χ^2/NDF : 11.5/10

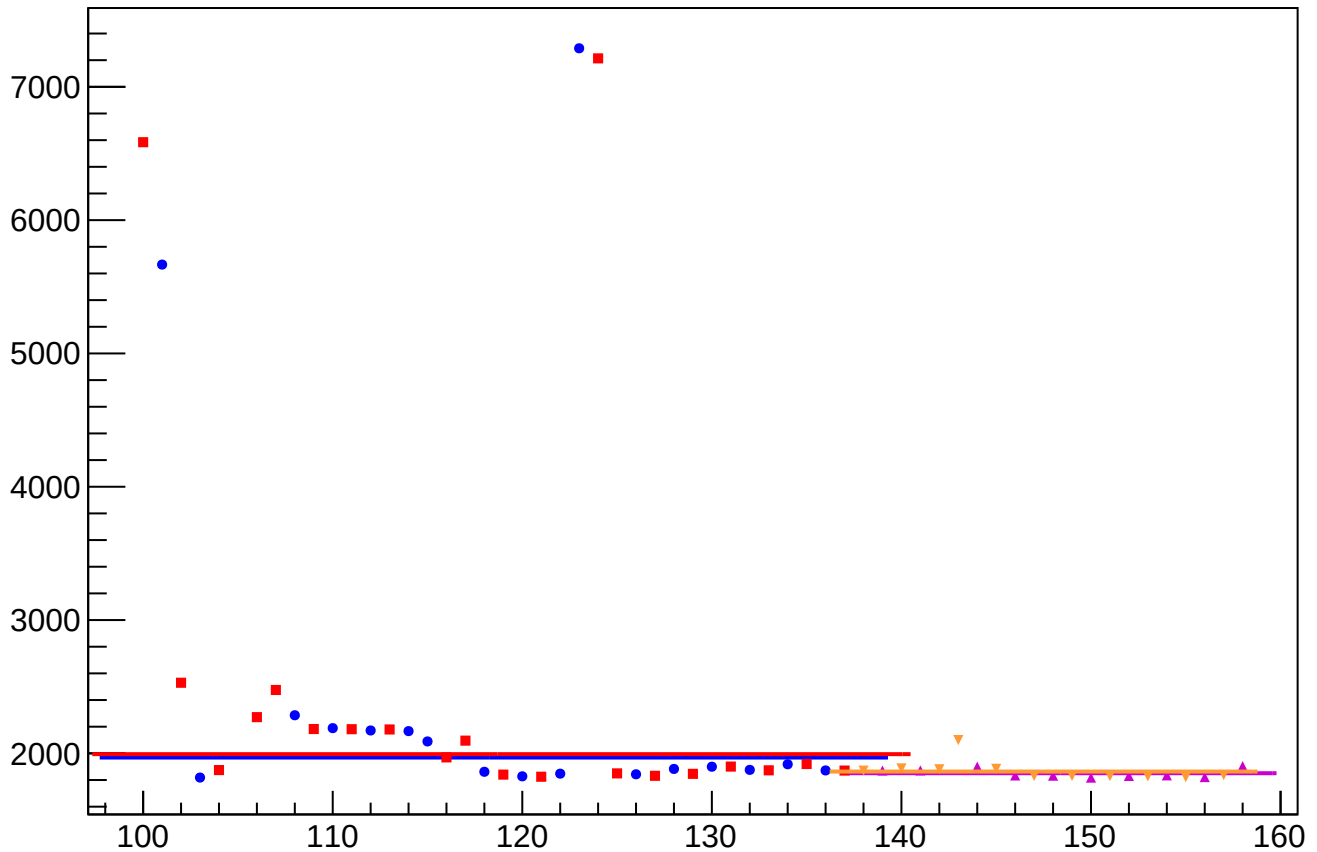
Right Out: 1218.753+/-762.243 χ^2/NDF : 18.3/19

Left In: 1021.341+/-649.101 χ^2/NDF : 19.3/9

-478.014+/-502.366 χ^2/NDF : 26.3/27

1104.322+/-494.193 χ^2/NDF : 37.7/29

reg_asym_at1_dd_rms vs Slug



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

Left Out: 1863.507+/-0.463 χ^2/NDF : 20446.7/10

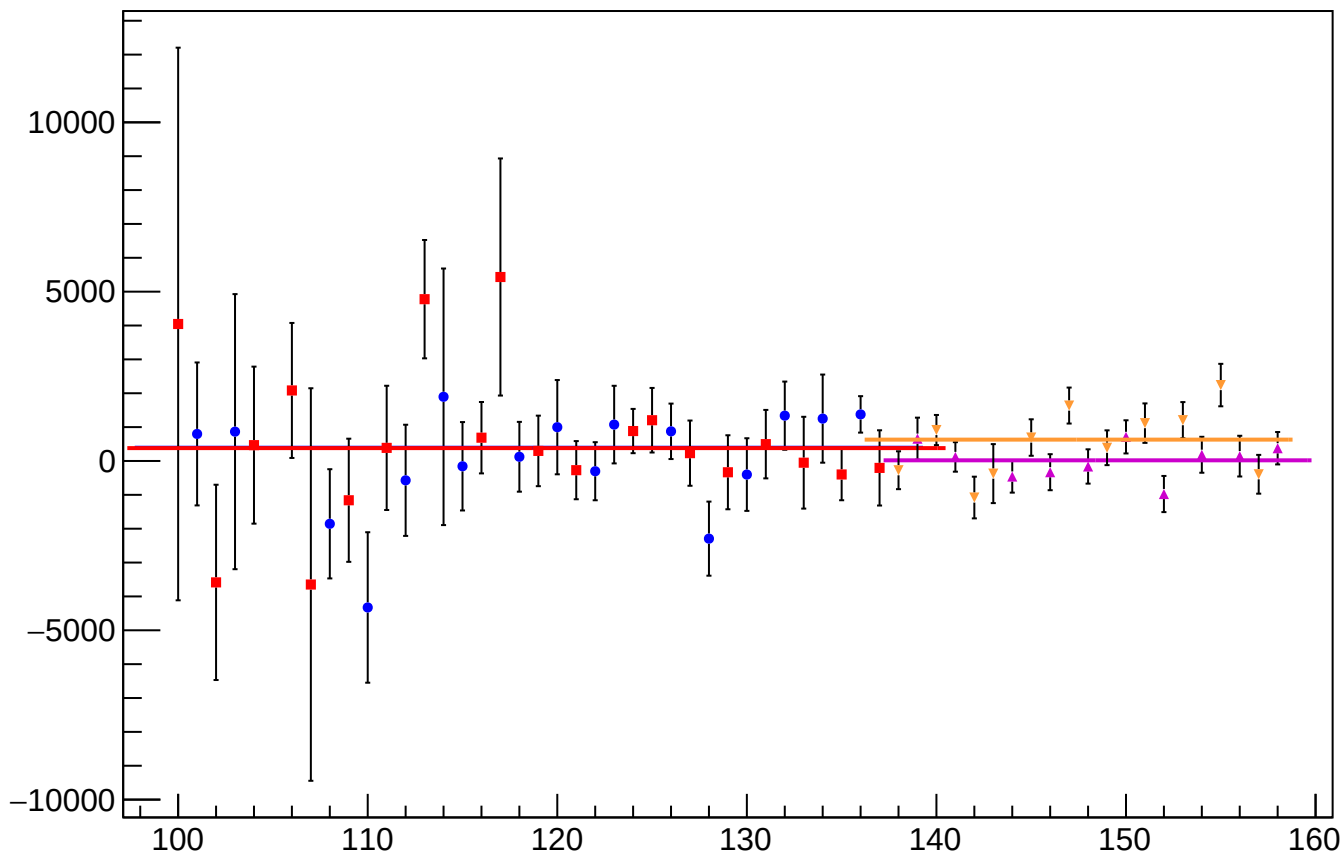
Right Out: 1993.958+/-0.539 χ^2/NDF : 356359.6/19

Left In: 1850.935+/-0.459 χ^2/NDF : 4403.4/9

1906.849+/-0.355 χ^2/NDF : 644640.9/27

1911.054+/-0.349 χ^2/NDF : 401578.1/29

asym_at1_dd_correction_mean vs Slug



Right In: 390.923 ± 270.128 $\chi^2/\text{NDF}: 20.0/16$

Left Out: 630.432 ± 168.972 $\chi^2/\text{NDF}: 27.5/10$

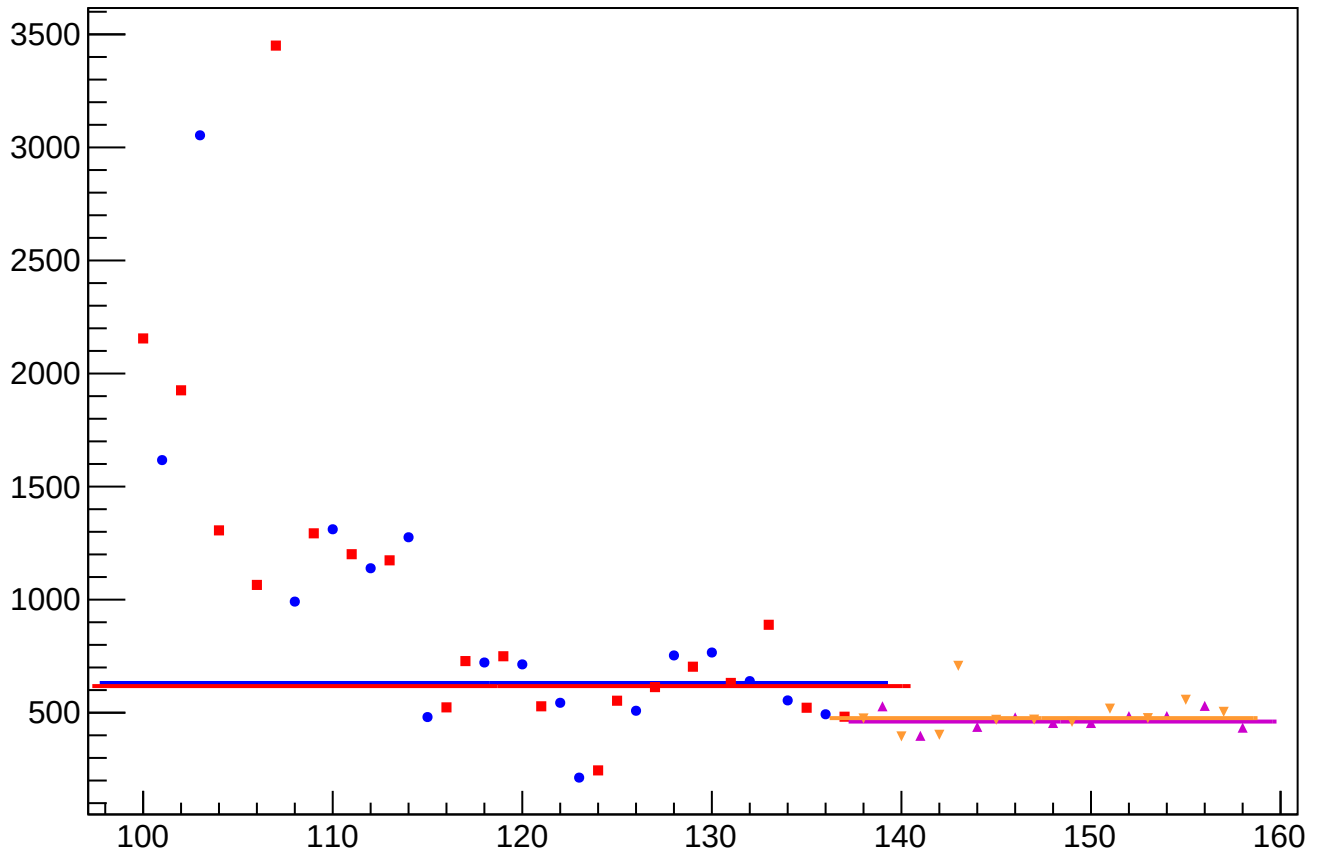
Right Out: 379.833 ± 265.331 $\chi^2/\text{NDF}: 16.3/19$

Left In: 19.337 ± 162.051 $\chi^2/\text{NDF}: 8.9/9$

563.073 ± 143.254 $\chi^2/\text{NDF}: 48.1/27$

117.275 ± 138.298 $\chi^2/\text{NDF}: 26.5/29$

asym_at1_dd_correction_rms vs Slug



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

Left Out: 476.048+/-0.119 χ^2/NDF : 287111.8/10

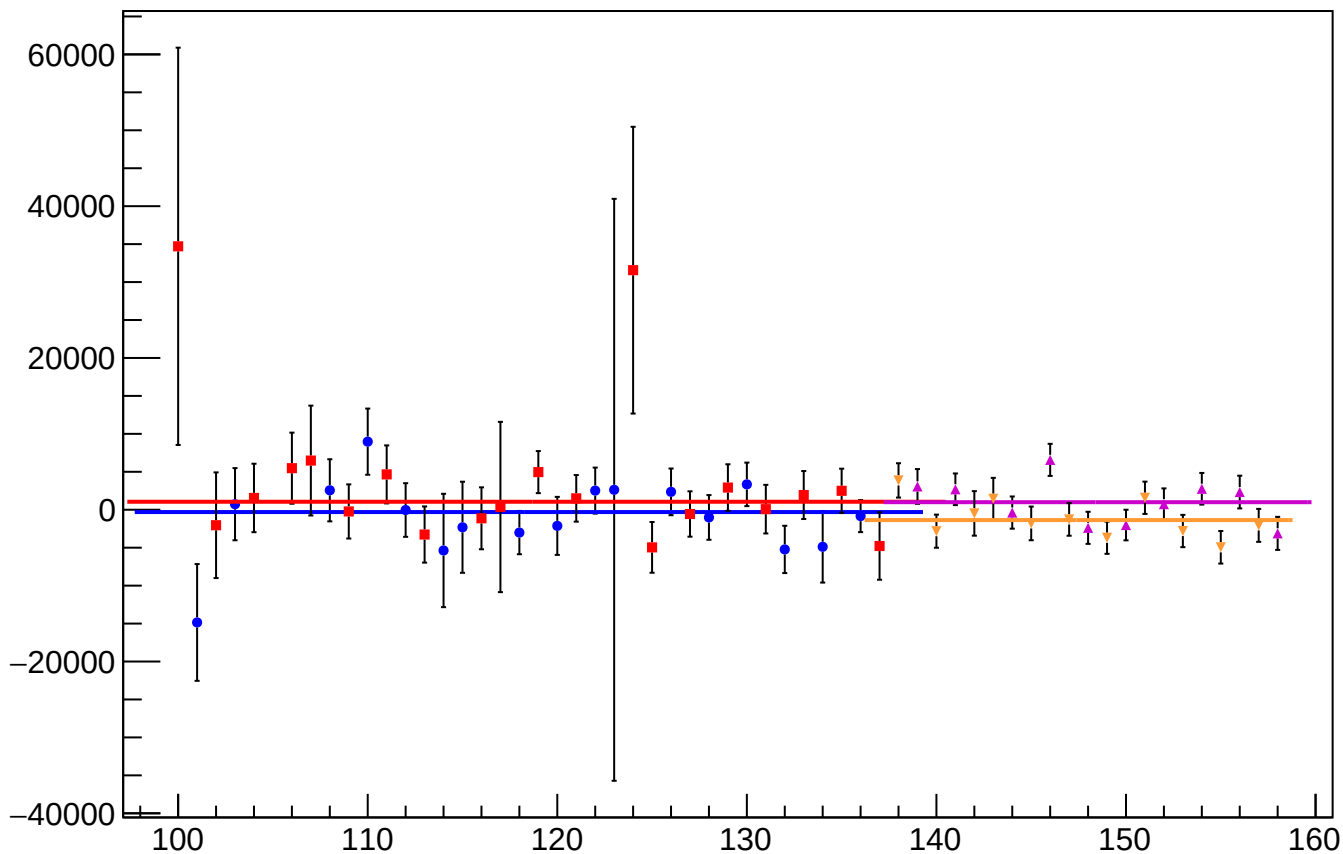
Right Out: 617.675+/-0.188 χ^2/NDF : 2804158.4/19

Left In: 460.819+/-0.115 χ^2/NDF : 114516.9/9

519.747+/-0.101 χ^2/NDF : 3023442.4/27

503.433+/-0.098 χ^2/NDF : 3427746.9/29

asym_at1_dd_mean vs Slug



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

Left Out: -1362.465+/-679.206 χ^2/NDF : 13.4/10

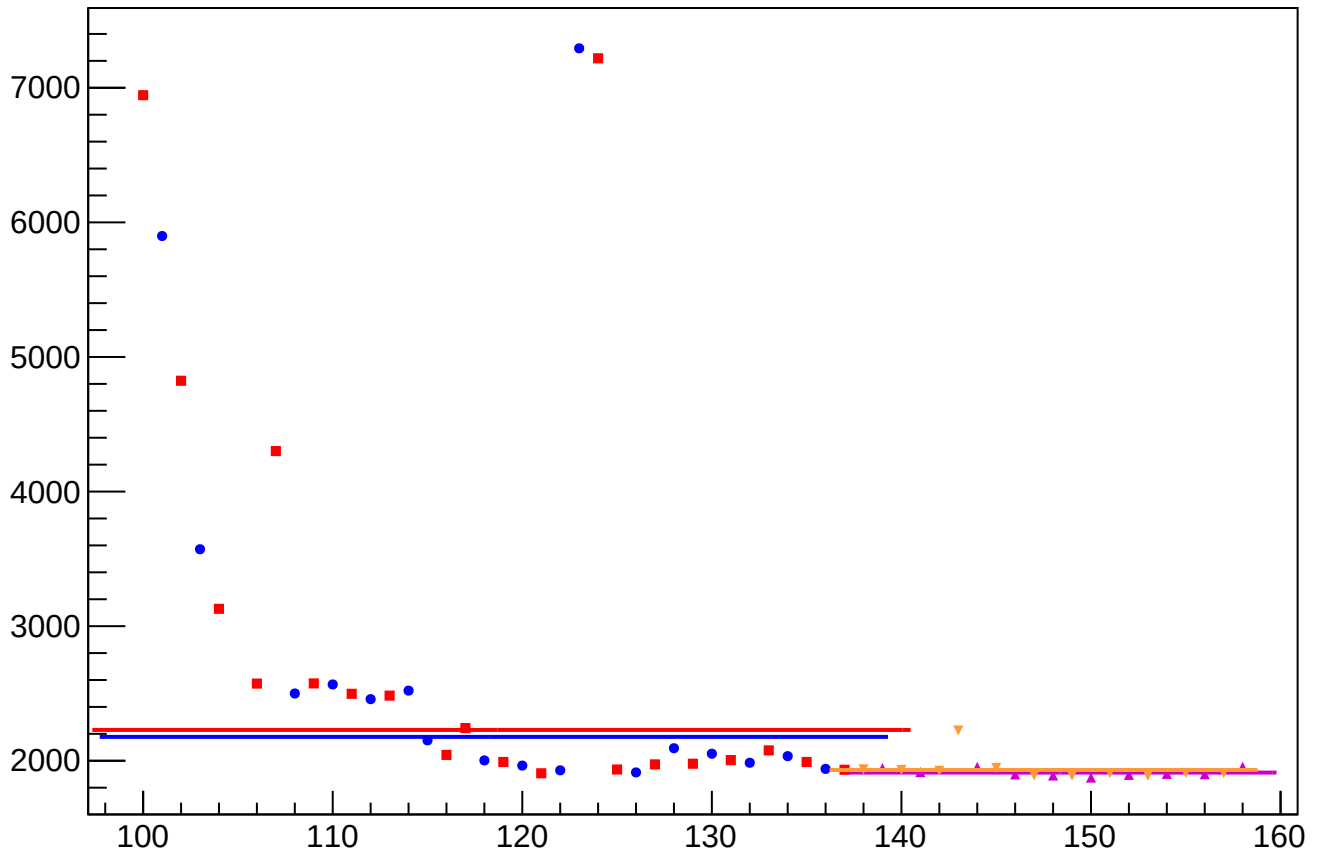
Right Out: 1052.718+/-864.863 χ^2/NDF : 16.6/19

Left In: 995.183+/-670.484 χ^2/NDF : 18.3/9

-963.387+/-535.821 χ^2/NDF : 31.5/27

1016.781+/-529.897 χ^2/NDF : 35.0/29

asym_at1_dd_rms vs Slug



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

Left Out: 1931.460+/-0.480 χ^2/NDF : 25808.3/10

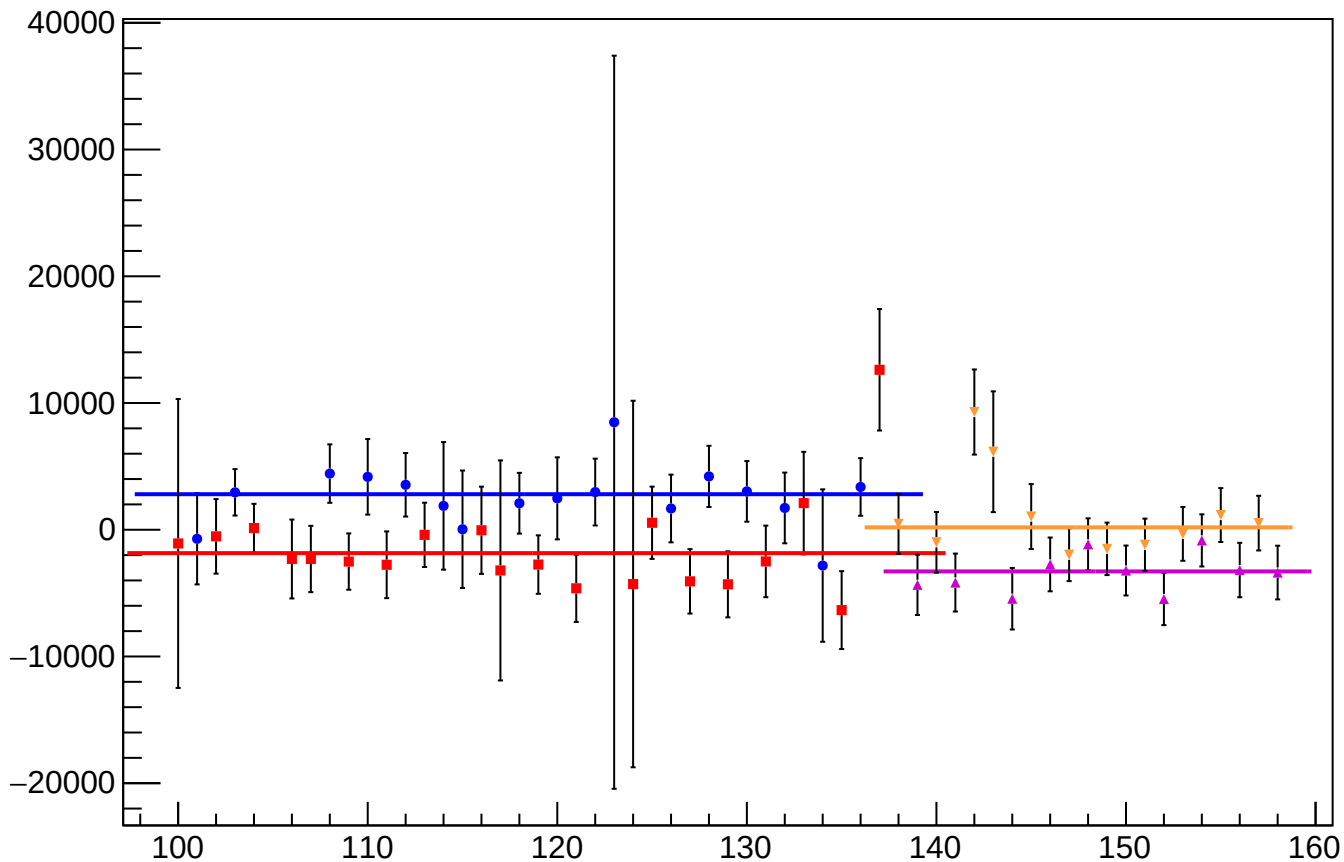
2024.356+/-0.379 χ^2/NDF : 927713.2/27

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

2031.169+/-0.375 χ^2/NDF : 1066751.9/29

Left In: 1912.213+/-0.474 χ^2/NDF : 3236.1/9

reg_asym_at2_avg_mean vs Slug



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

Left Out: 188.310+/-707.996 χ^2/NDF : 11.8/10

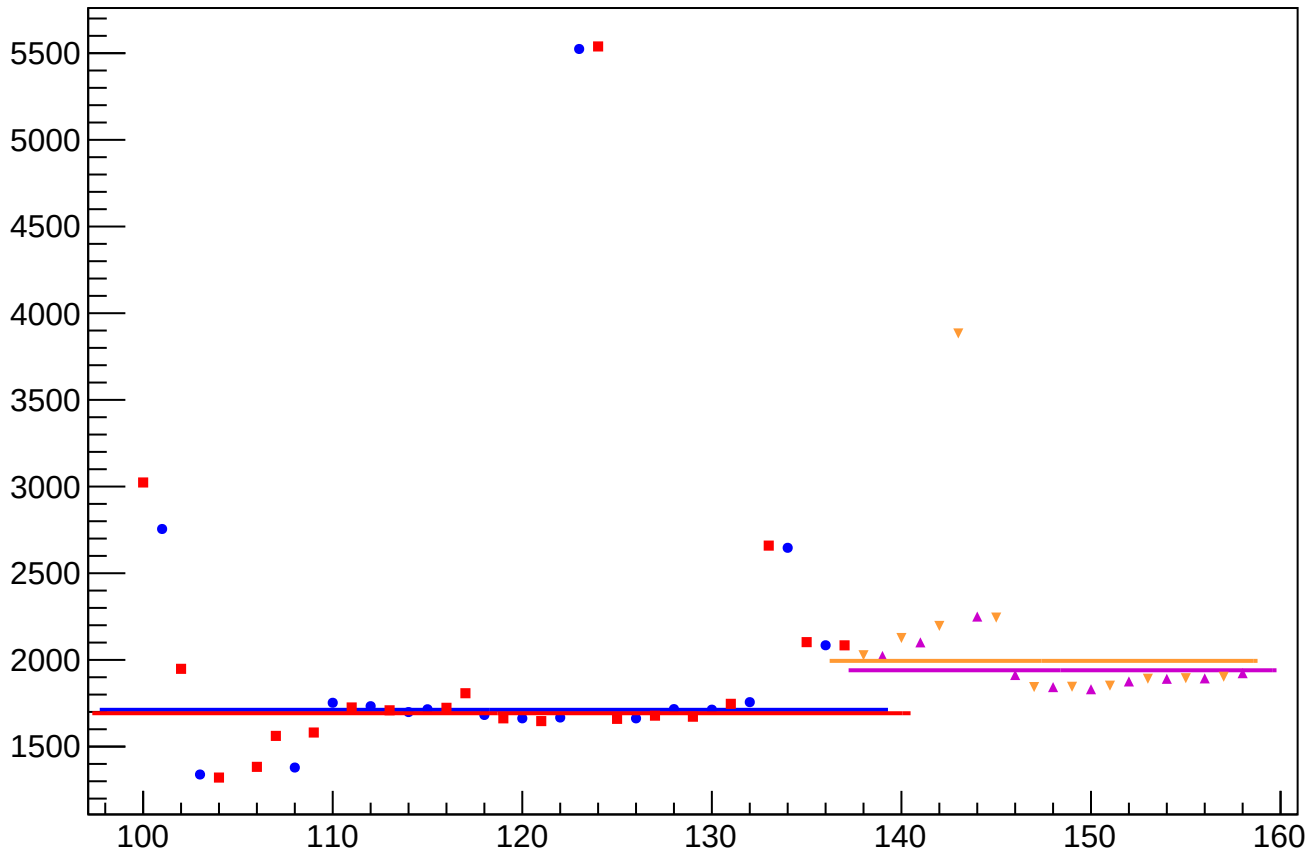
Right Out: -1844.945+/-653.448 χ^2/NDF : 18.1/19

Left In: -3288.824+/-679.346 χ^2/NDF : 4.8/9

1551.640+/-489.886 χ^2/NDF : 22.8/27

-2538.839+/-470.947 χ^2/NDF : 25.2/29

reg_asym_at2_avg_rms vs Slug



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

Left Out: 1994.472 ± 0.501 χ^2/NDF : 390170.4/10

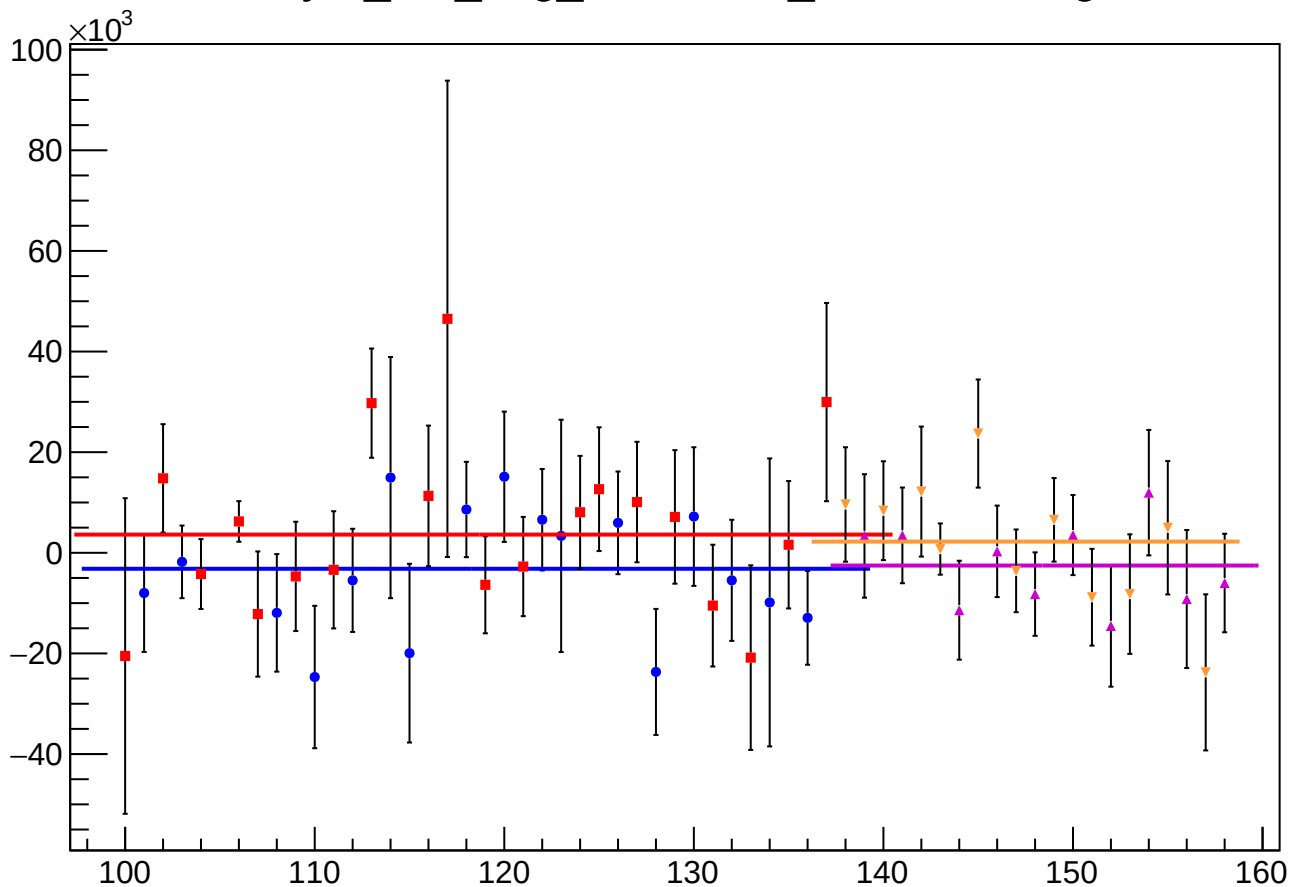
Right Out: 1692.404 ± 0.462 χ^2/NDF : 455277.5/19

Left In: 1940.203 ± 0.480 χ^2/NDF : 60030.4/9

1847.320 ± 0.346 χ^2/NDF : 988407.3/27

1811.490 ± 0.333 χ^2/NDF : 653528.7/29

asym_at2_avg_correction_mean vs Slug



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

Left Out: 2225.697 ± 2791.244 $\chi^2/\text{NDF}: 11.2/10$

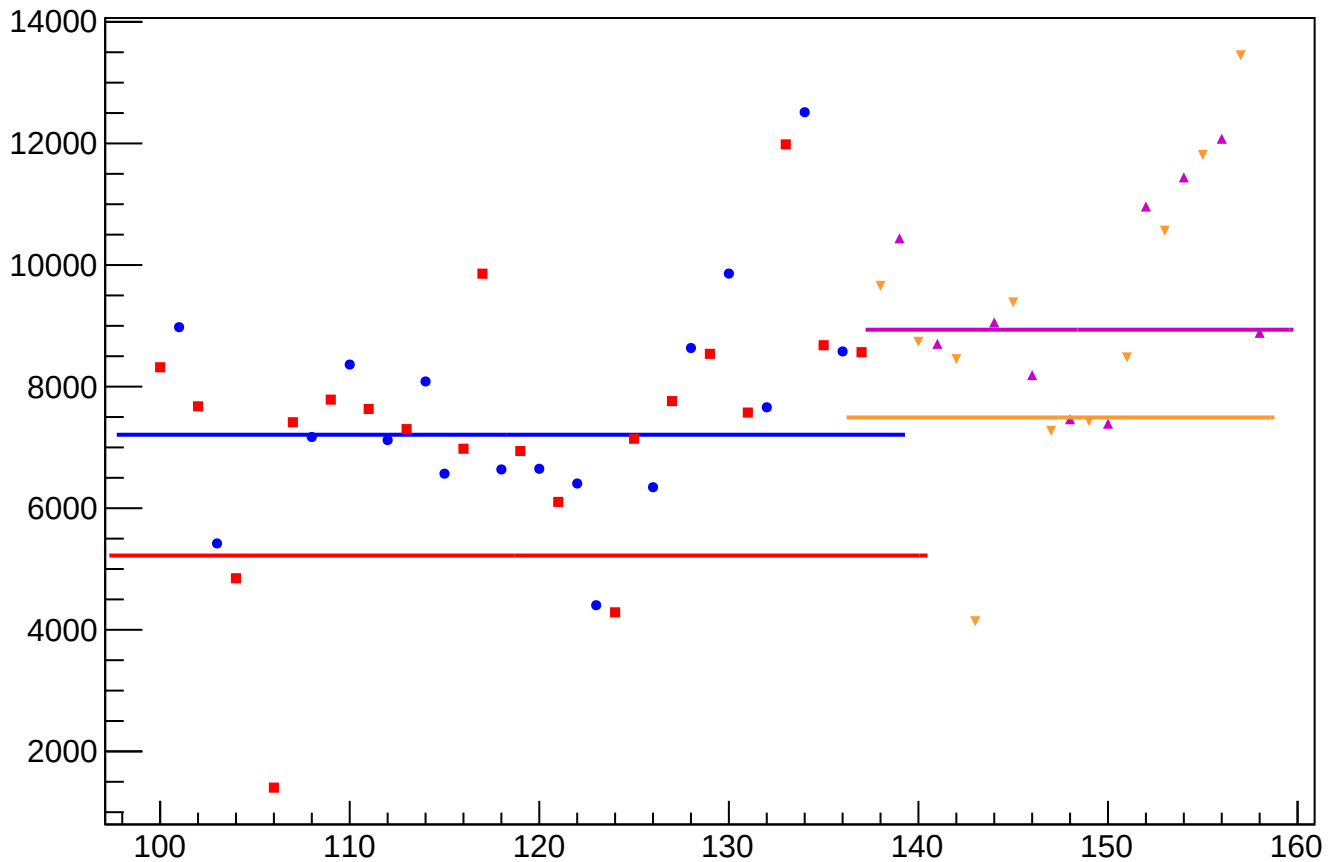
Right Out: 3618.416 ± 2263.938 $\chi^2/\text{NDF}: 20.3/19$

Left In: -2532.262 ± 3170.043 $\chi^2/\text{NDF}: 5.3/9$

-415.672 ± 1994.835 $\chi^2/\text{NDF}: 27.4/27$

1540.944 ± 1842.346 $\chi^2/\text{NDF}: 28.1/29$

asym_at2_avg_correction_rms vs Slug



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

Left Out: 7492.920 ± 1.974 χ^2/NDF : 1708315.5/10

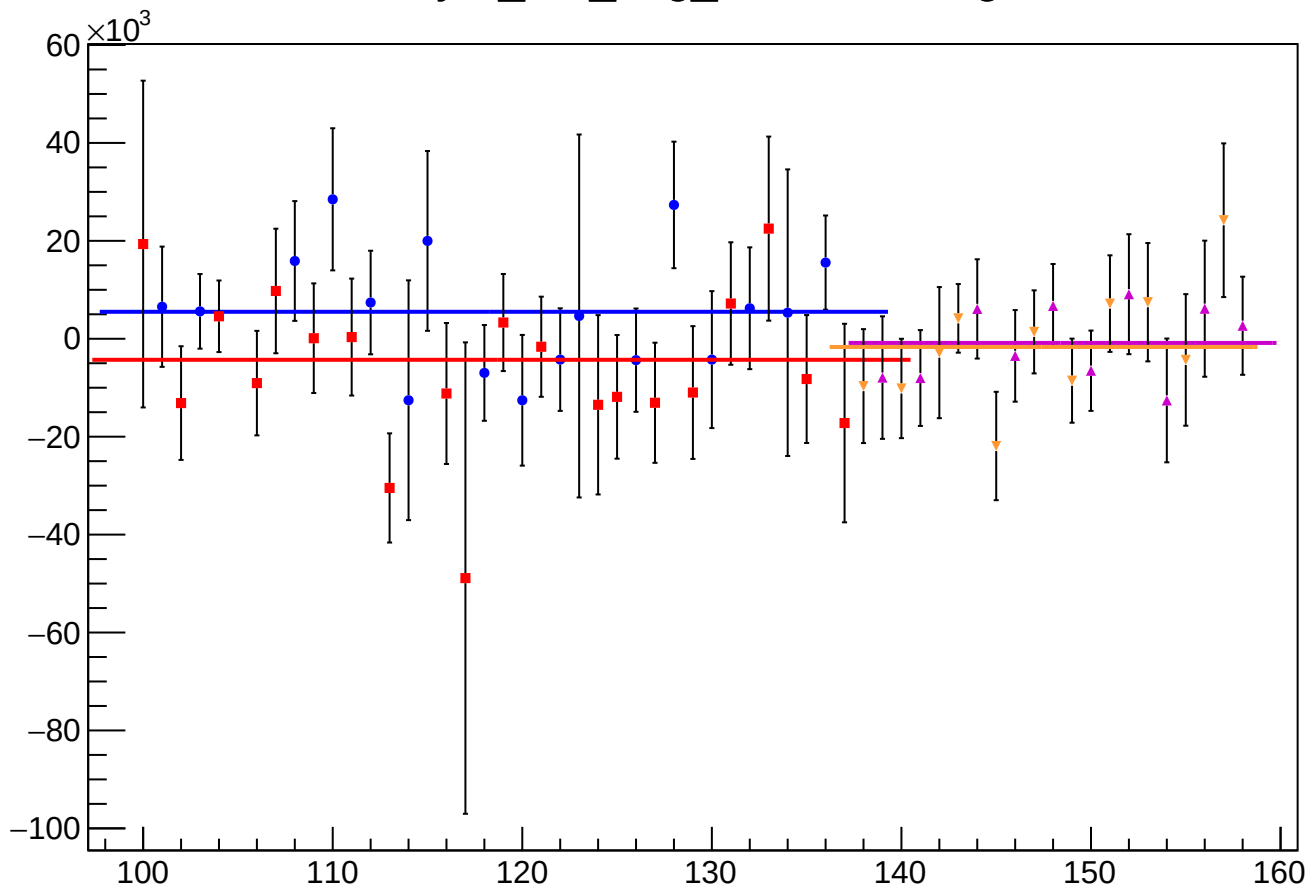
Right Out: 5221.816 ± 1.601 χ^2/NDF : 3216100.5/19

Left In: 8936.311 ± 2.242 χ^2/NDF : 425616.0/9

7353.804 ± 1.411 χ^2/NDF : 2187772.2/27

6476.435 ± 1.303 χ^2/NDF : 5460213.3/29

asym_at2_avg_mean vs Slug



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

Left Out: -1679.461 ± 3080.328 χ^2/NDF : 10.1/10

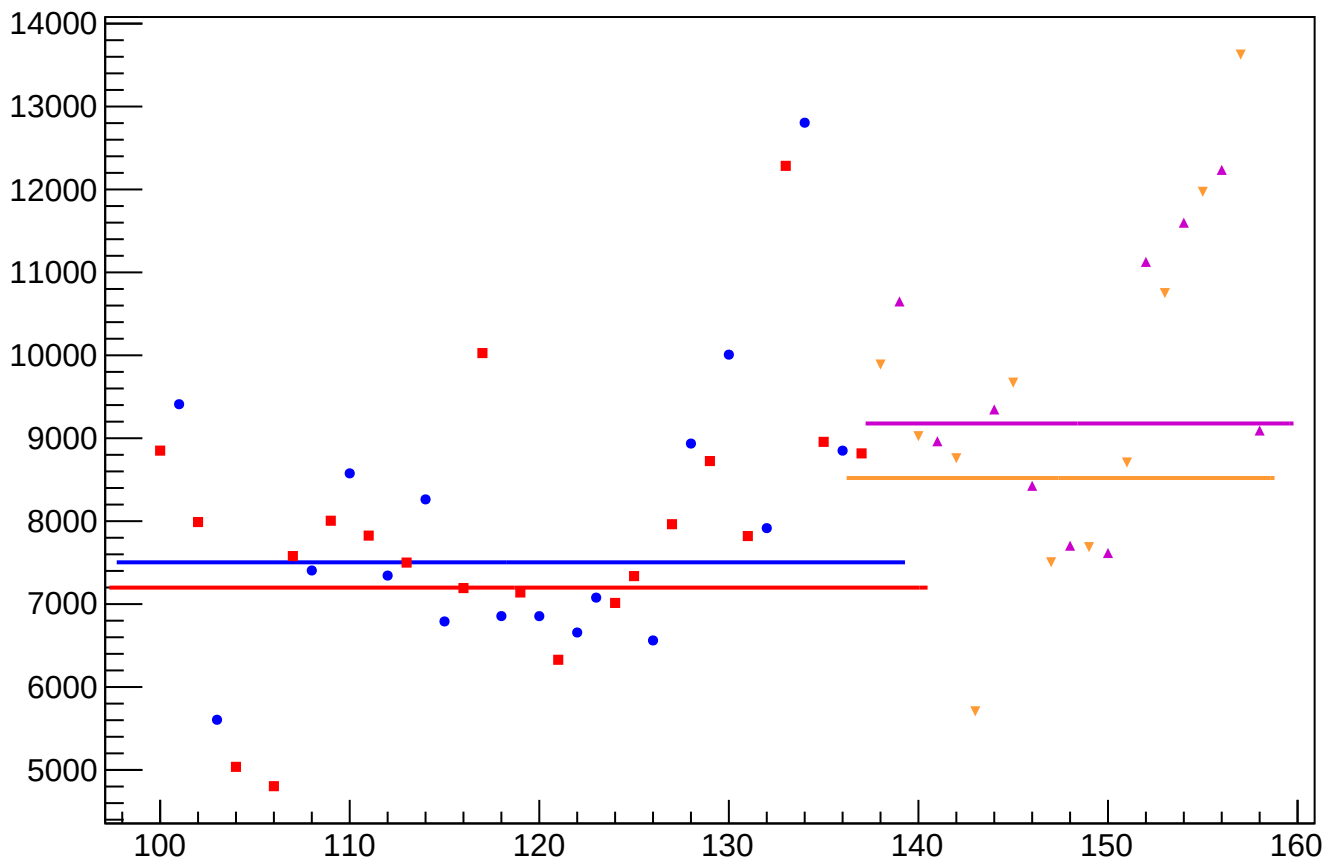
Right Out: -4295.824 ± 2785.538 χ^2/NDF : 16.3/19

Left In: -849.635 ± 3252.055 χ^2/NDF : 4.6/9

2044.764 ± 2138.433 χ^2/NDF : 27.0/27

-2837.432 ± 2115.561 χ^2/NDF : 21.5/29

asym_at2_avg_rms vs Slug



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

Left Out: 8520.524 ± 2.178 χ^2/NDF : 837188.0/10

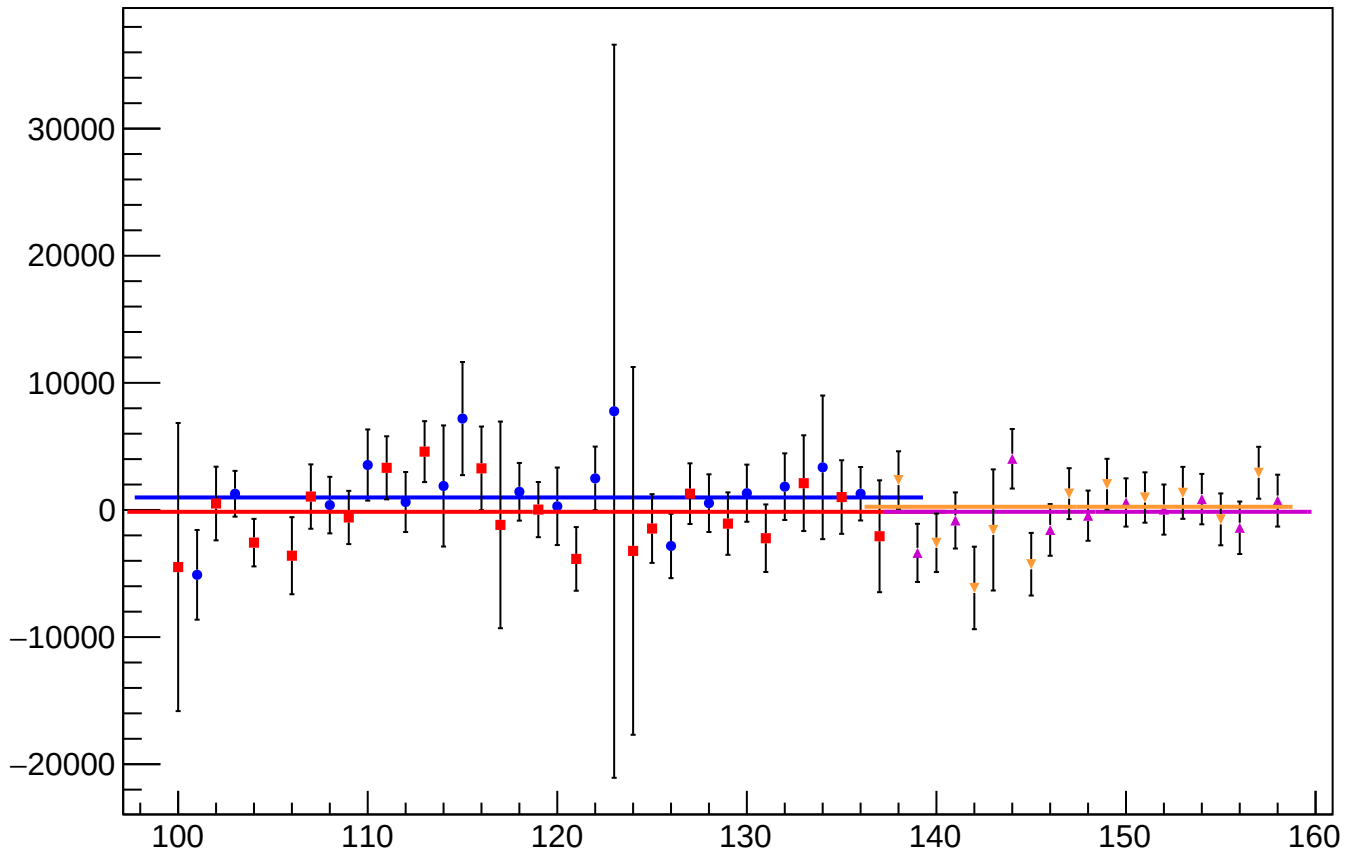
Right Out: 7198.728 ± 1.969 χ^2/NDF : 564629.1/19

Left In: 9178.112 ± 2.300 χ^2/NDF : 394954.2/9

7993.723 ± 1.512 χ^2/NDF : 1377414.2/27

8036.260 ± 1.496 χ^2/NDF : 1387002.5/29

reg_asym_at2_dd_mean vs Slug



Right In: 985.452 $\pm$ 644.630 χ^2/NDF : 9.1/16

Left Out: 251.154 $\pm$ 679.994 χ^2/NDF : 13.2/10

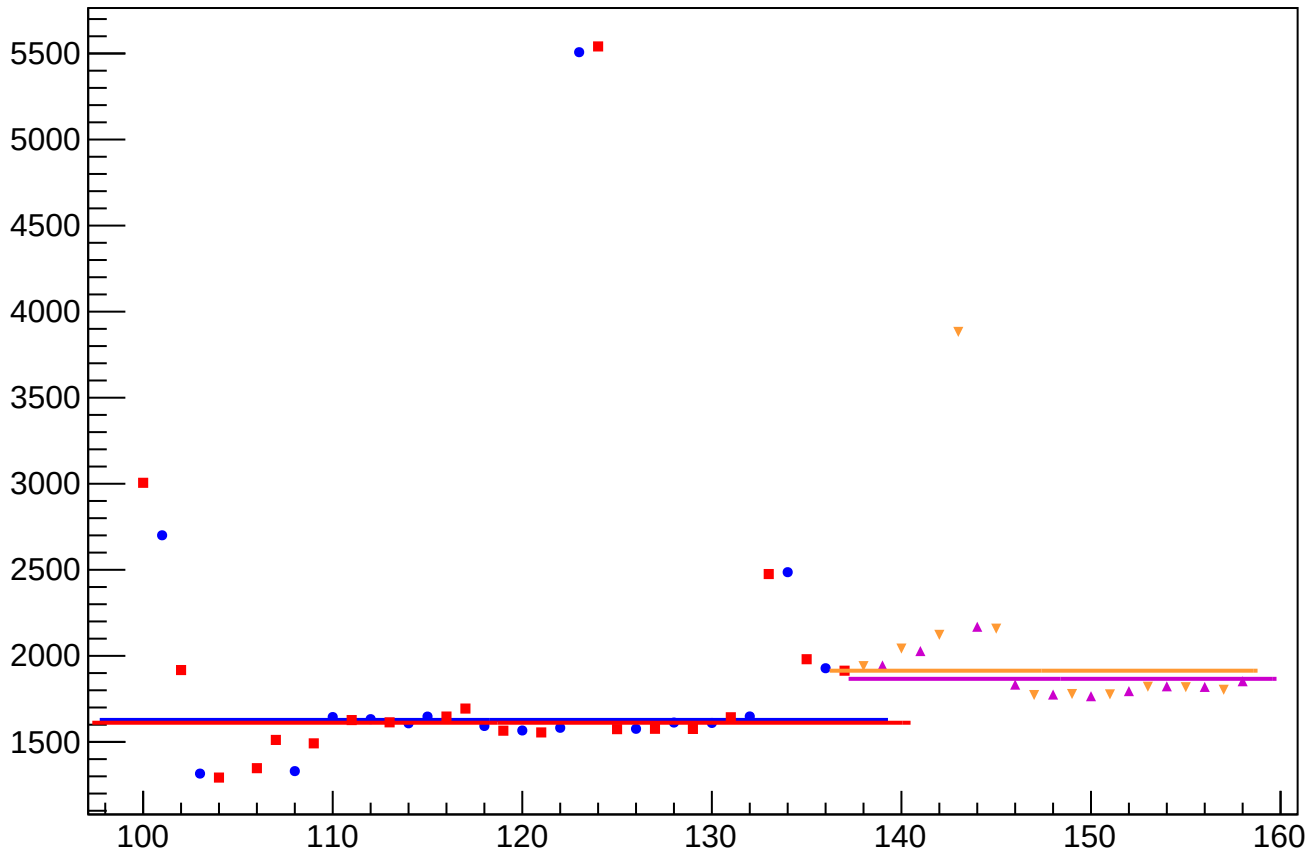
Right Out: -144.683 $\pm$ 621.728 χ^2/NDF : 14.7/19

Left In: -144.706 $\pm$ 653.581 χ^2/NDF : 6.7/9

637.893 $\pm$ 467.825 χ^2/NDF : 22.9/27

-144.694 $\pm$ 450.468 χ^2/NDF : 21.4/29

reg_asym_at2_dd_rms vs Slug



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

Left Out: 1913.793 ± 0.481 χ^2/NDF : 419173.7/10

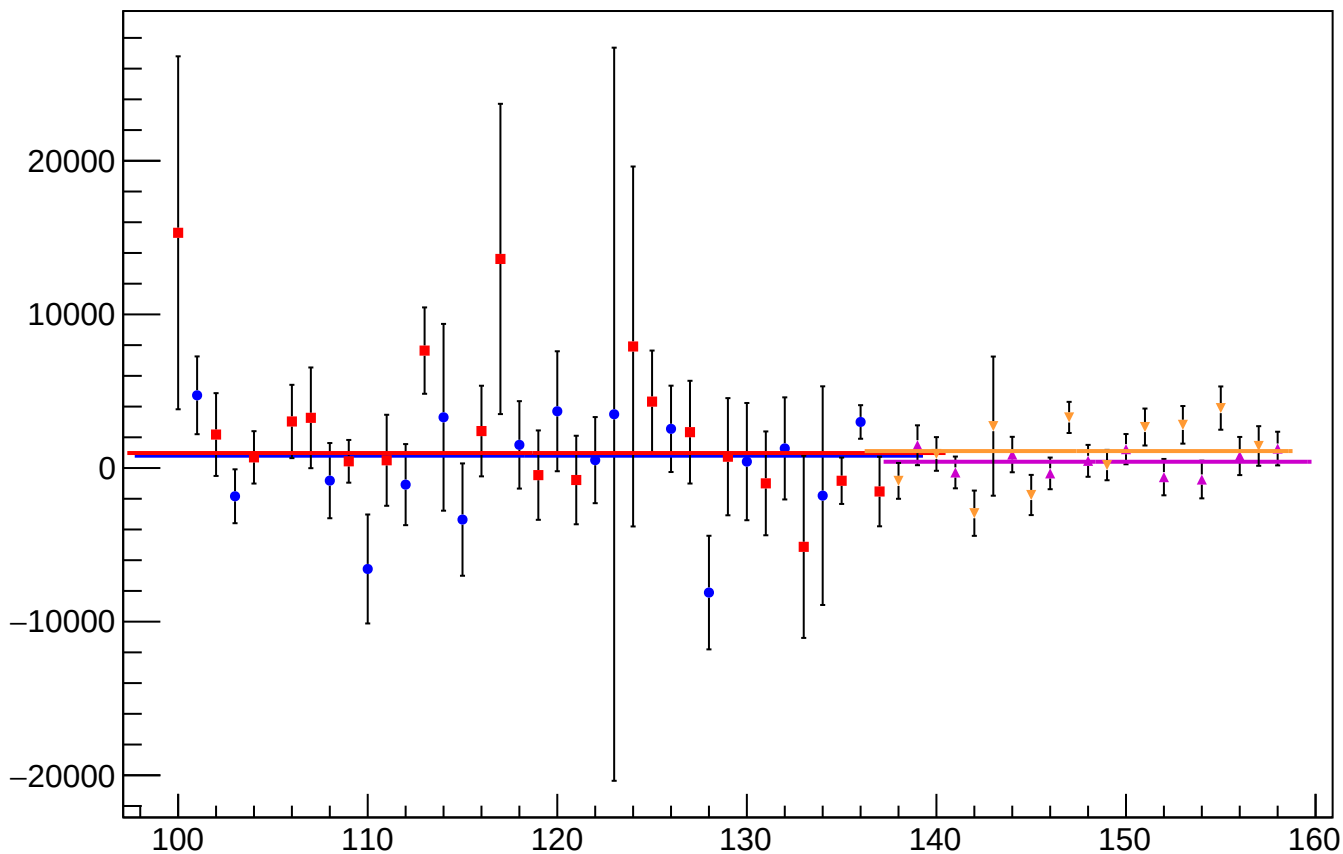
Right Out: 1611.433 ± 0.440 χ^2/NDF : 434167.6/19

Left In: 1866.543 ± 0.462 χ^2/NDF : 61612.7/9

1763.186 ± 0.331 χ^2/NDF : 1012561.2/27

1732.620 ± 0.319 χ^2/NDF : 655740.3/29

asym_at2_dd_correction_mean vs Slug



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

Left Out: 1103.461 $\pm$ 374.733 χ^2 /NDF: 28.4/10

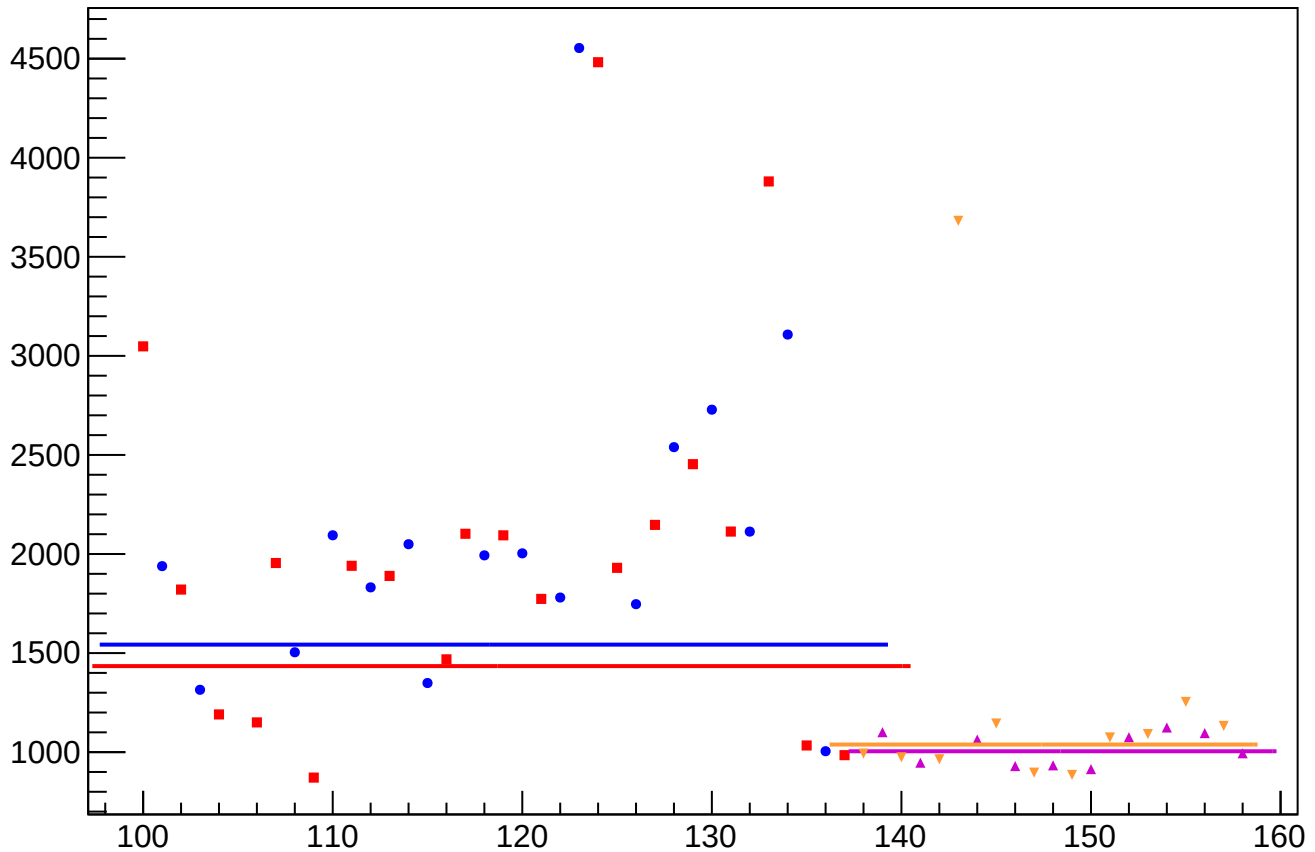
Right Out: 976.725 $\pm$ 588.724 χ^2 /NDF: 16.8/19

Left In: 408.613 $\pm$ 352.640 χ^2 /NDF: 4.9/9

1025.258 $\pm$ 322.289 χ^2 /NDF: 51.0/27

558.623 $\pm$ 302.521 χ^2 /NDF: 22.4/29

asym_at2_dd_correction_rms vs Slug



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

Left Out: 1038.432+/-0.265 χ^2/NDF : 859530.5/10

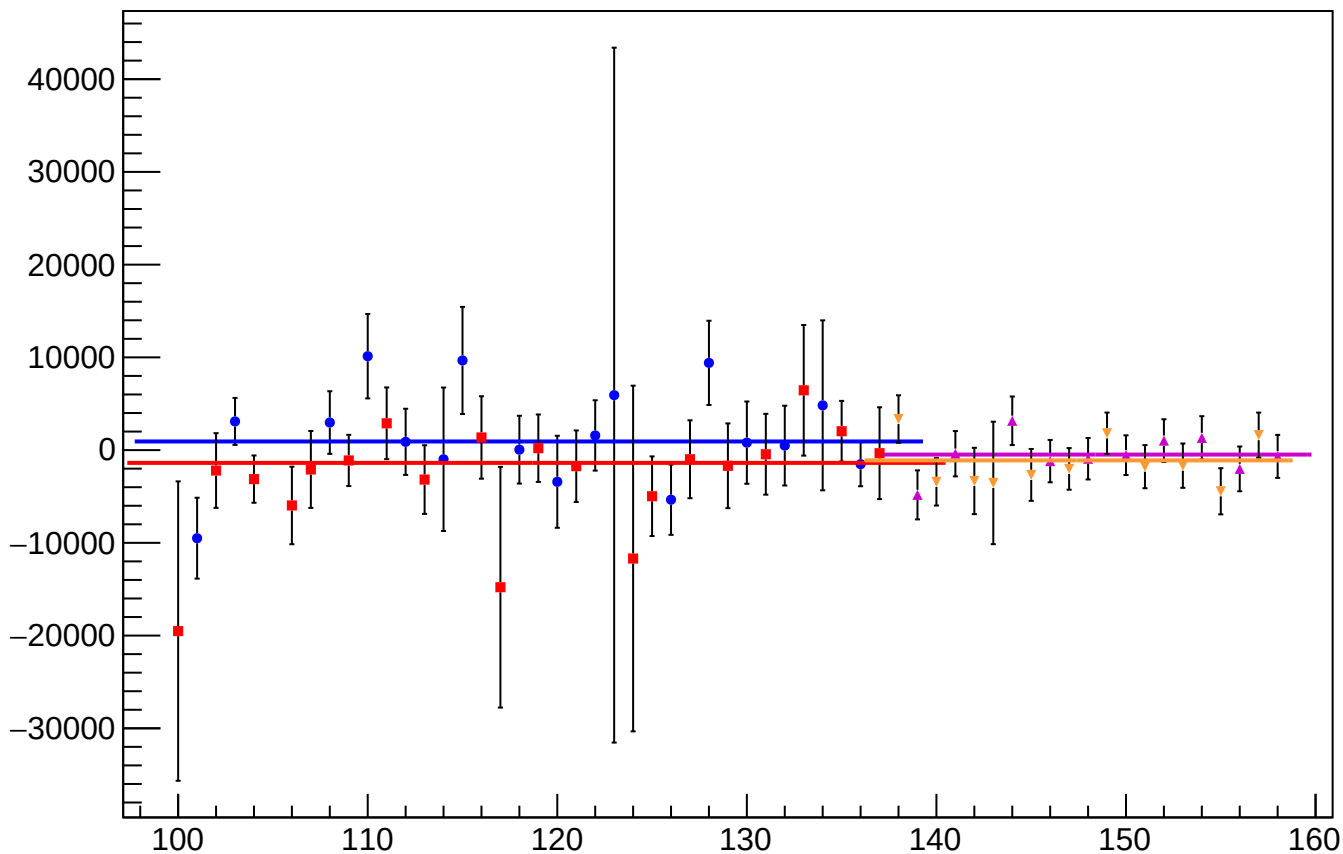
Right Out: 1434.290+/-0.416 χ^2/NDF : 1832587.0/19

Left In: 1004.476+/-0.249 χ^2/NDF : 96538.2/9

1169.703+/-0.228 χ^2/NDF : 3090274.8/27

1117.969+/-0.214 χ^2/NDF : 2713668.7/29

asym_at2_dd_mean vs Slug



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

Left Out: -1108.104 ± 784.621 χ^2/NDF : 9.8/10

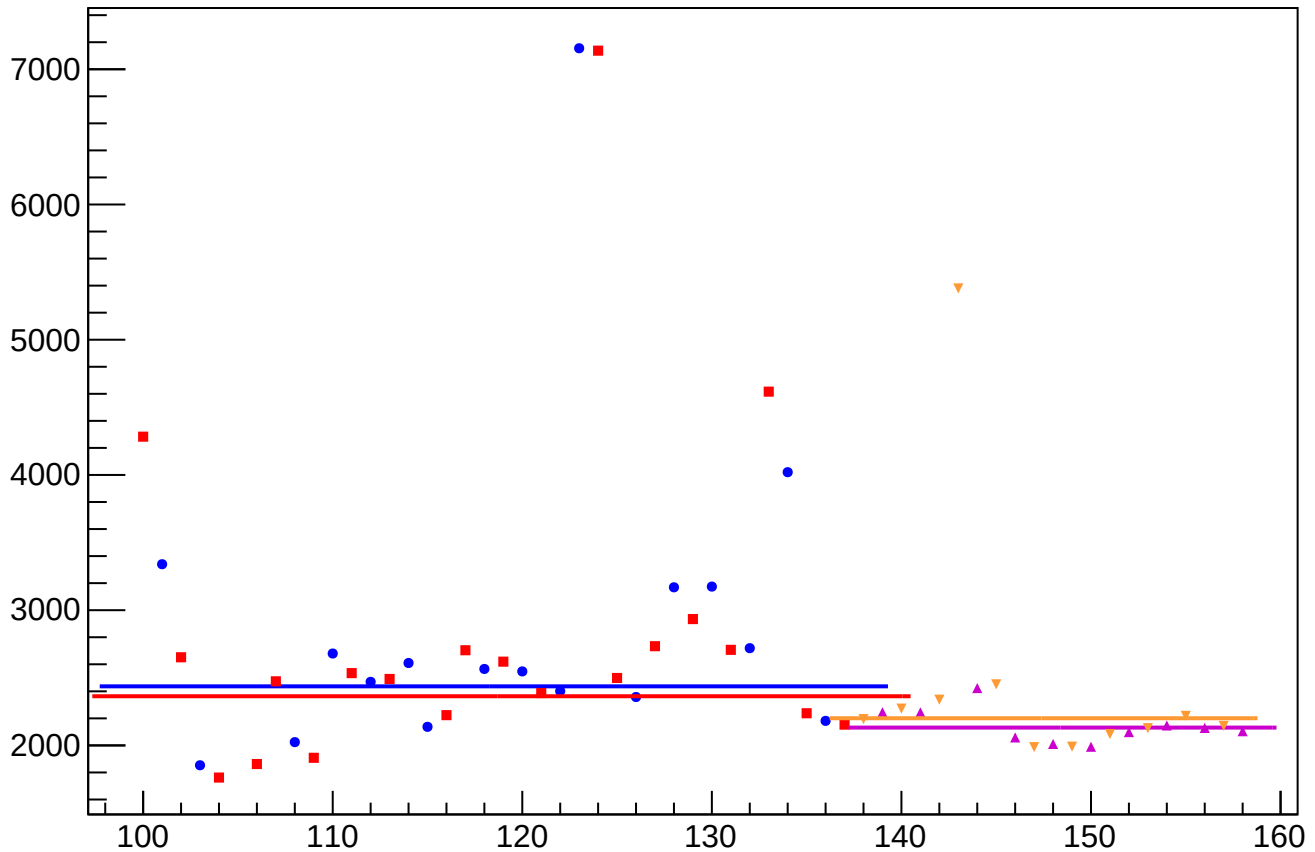
Right Out: -1375.966 ± 923.072 χ^2/NDF : 9.6/19

Left In: -481.554 ± 746.214 χ^2/NDF : 6.2/9

-298.815 ± 609.519 χ^2/NDF : 34.0/27

-835.050 ± 580.309 χ^2/NDF : 16.3/29

asym_at2_dd_rms vs Slug



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

Left Out: 2200.890+/-0.555 χ^2/NDF : 527871.6/10

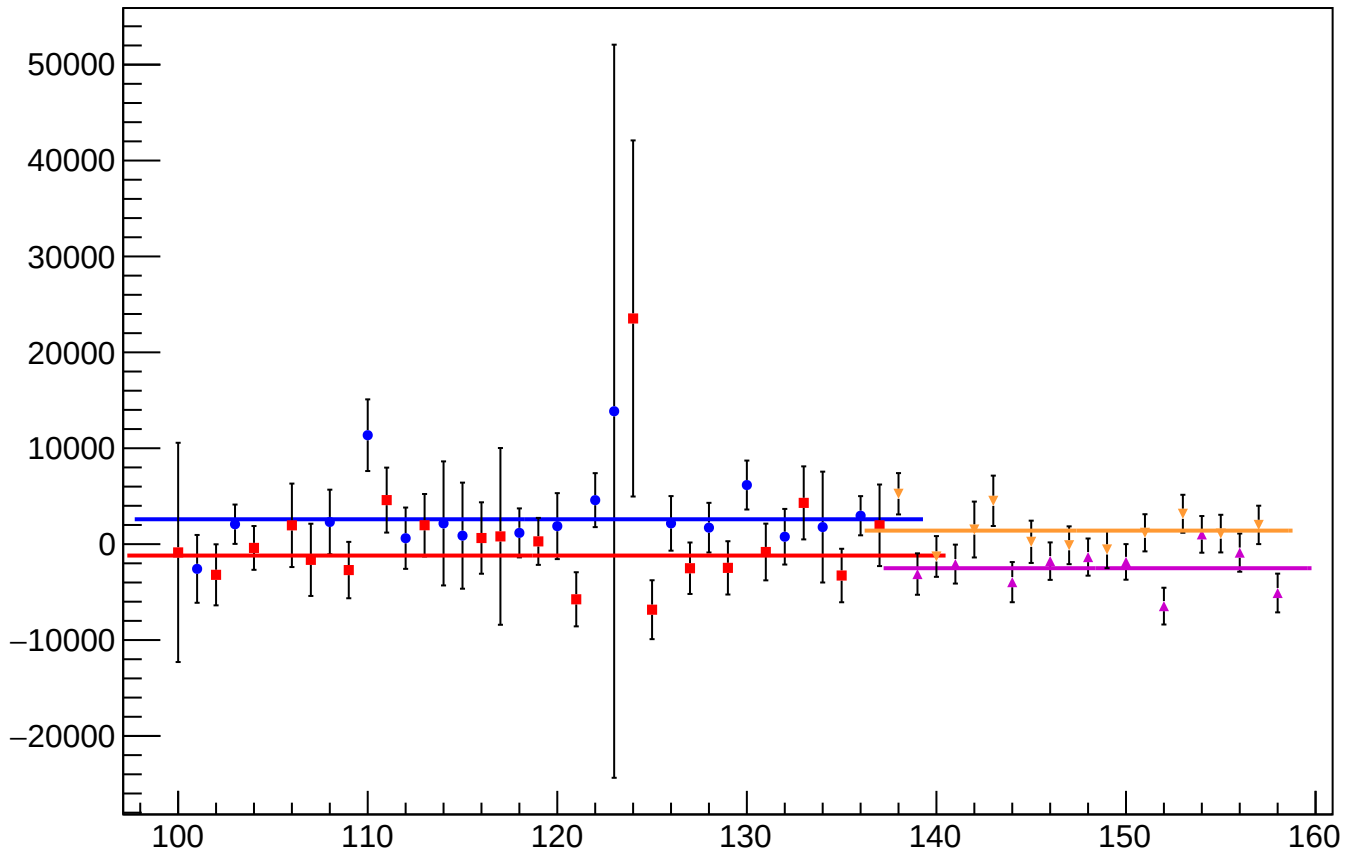
Right Out: 2363.609+/-0.653 χ^2/NDF : 657228.5/19

Left In: 2131.783+/-0.528 χ^2/NDF : 50332.1/9

2294.458+/-0.431 χ^2/NDF : 1068628.9/27

2223.408+/-0.410 χ^2/NDF : 783852.2/29

reg_asym_atl1r2_avg_mean vs Slug



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

Left Out: 1411.342+/-638.071 χ^2/NDF : 9.0/10

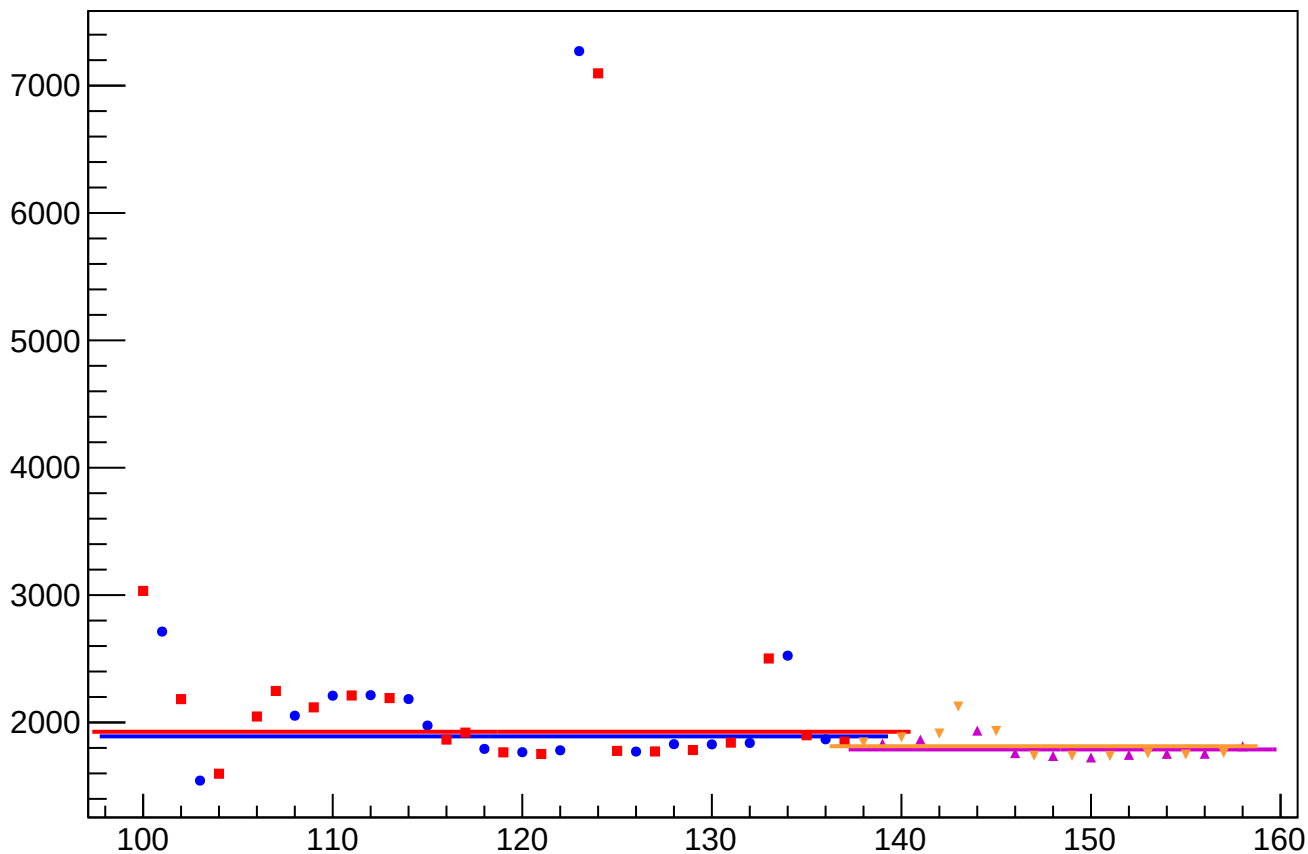
Right Out: -1189.680+/-737.247 χ^2/NDF : 17.3/19

Left In: -2509.090+/-626.606 χ^2/NDF : 11.2/9

1913.622+/-484.069 χ^2/NDF : 22.1/27

-1955.721+/-477.453 χ^2/NDF : 30.3/29

reg_asym_atl1r2_avg_rms vs Slug



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

Left Out: 1813.323+/-0.451 χ^2/NDF : 52816.7/10

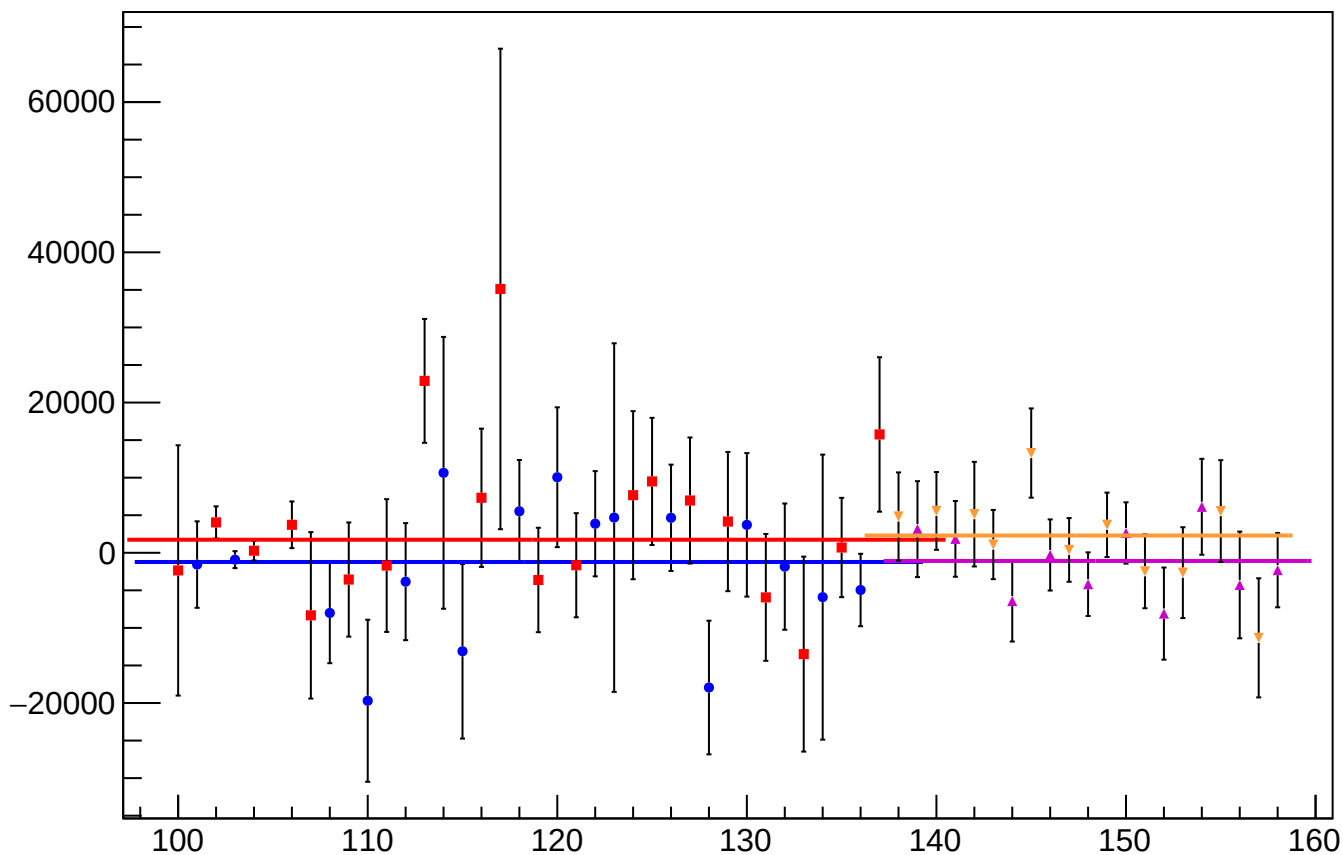
Right Out: 1926.906+/-0.520 χ^2/NDF : 362255.6/19

Left In: 1788.087+/-0.443 χ^2/NDF : 20444.9/9

1846.175+/-0.342 χ^2/NDF : 354252.5/27

1846.414+/-0.337 χ^2/NDF : 423944.4/29

asym_atl1r2_avg_correction_mean vs Slug



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

Left Out: 2302.443 ± 1625.408 χ^2/NDF : 9.3/10

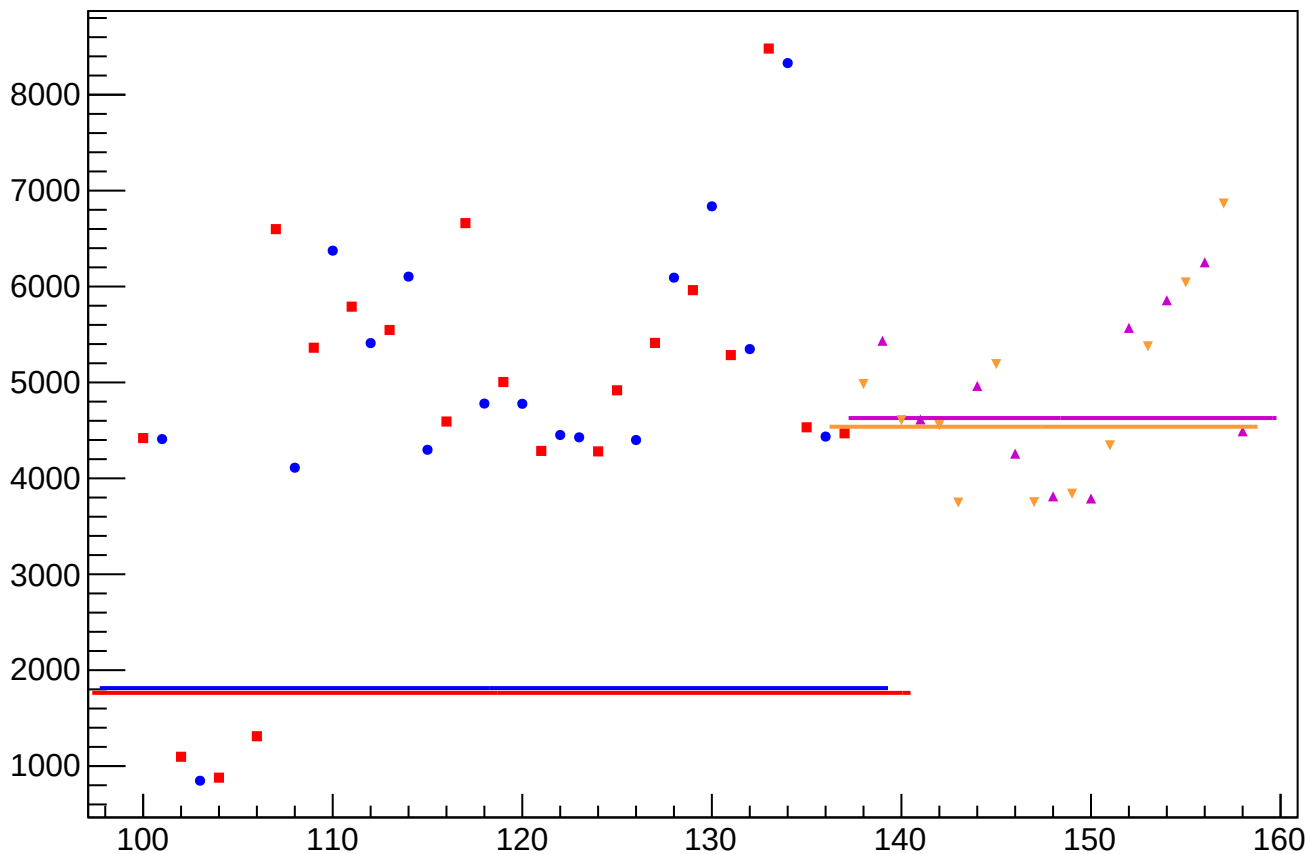
Right Out: 1740.671 ± 941.173 χ^2/NDF : 18.9/19

Left In: -1089.203 ± 1642.948 χ^2/NDF : 6.0/9

-279.494 ± 842.143 χ^2/NDF : 26.6/27

1041.463 ± 816.664 χ^2/NDF : 27.1/29

asym_atl1r2_avg_correction_rms vs Slug



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

Left Out: 4538.138+/-1.149 χ^2/NDF : 529004.0/10

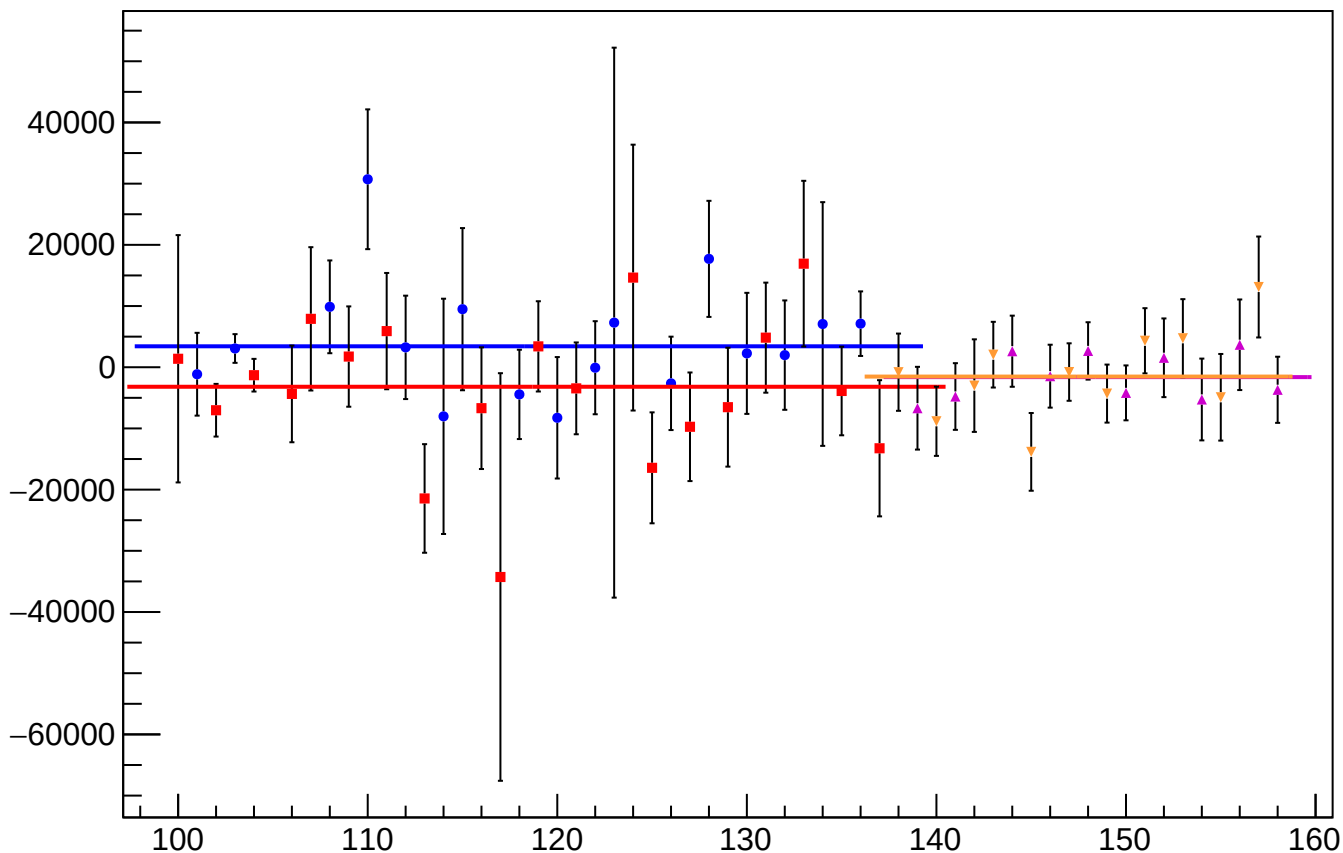
2544.679+/-0.595 χ^2/NDF : 11090201.7/27

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

2471.369+/-0.577 χ^2/NDF : 11378128.4/29

Left In: 4628.796+/-1.162 χ^2/NDF : 437700.5/9

asym_atl1r2_avg_mean vs Slug



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

Left Out: -1526.380+/-1774.553 χ^2/NDF : 11.8/10

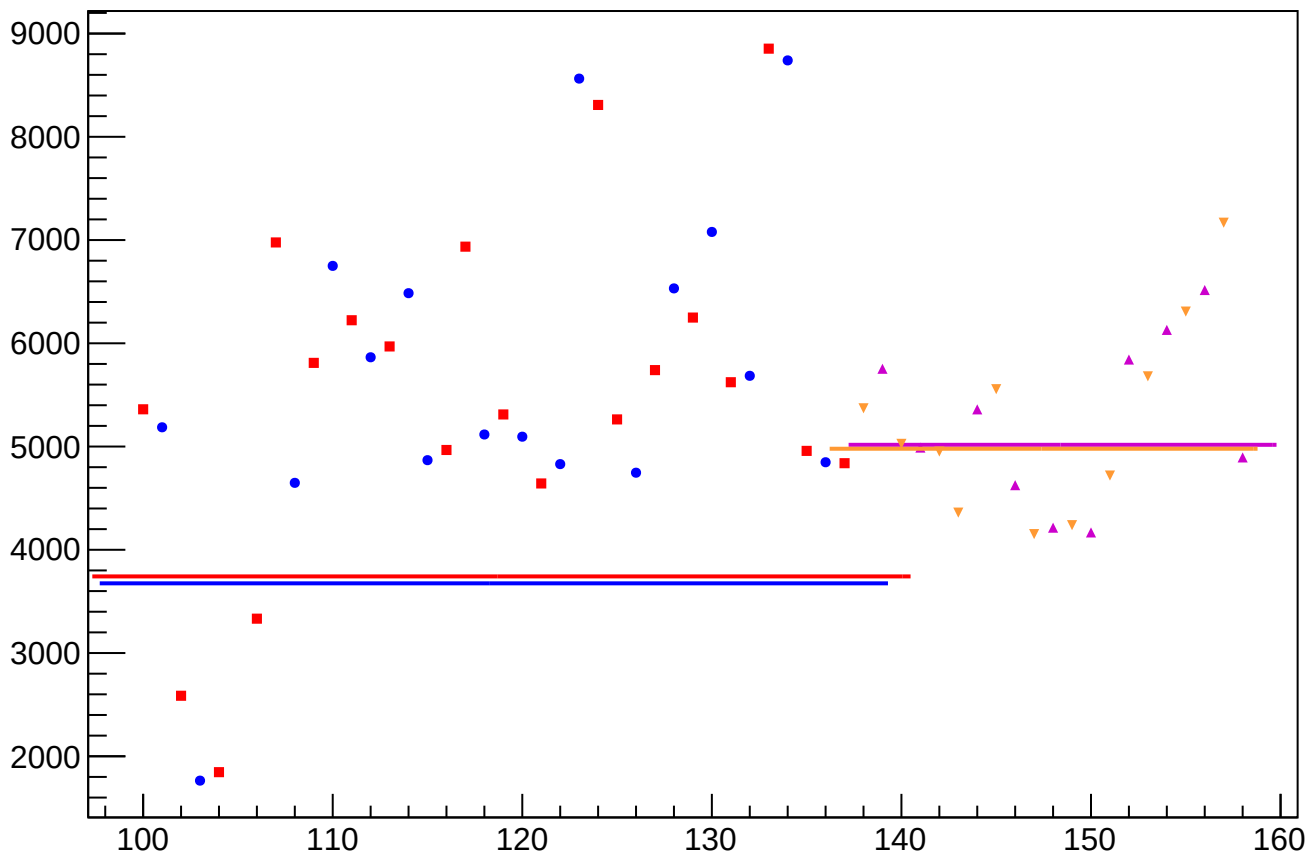
Right Out: -3190.143+/-1604.066 χ^2/NDF : 16.9/19

Left In: -1614.267+/-1775.254 χ^2/NDF : 3.8/9

1192.484+/-1191.032 χ^2/NDF : 29.8/27

-2481.830+/-1190.178 χ^2/NDF : 21.1/29

asym_atl1r2_avg_rms vs Slug



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

Left Out: 4978.659 ± 1.255 χ^2/NDF : 401908.3/10

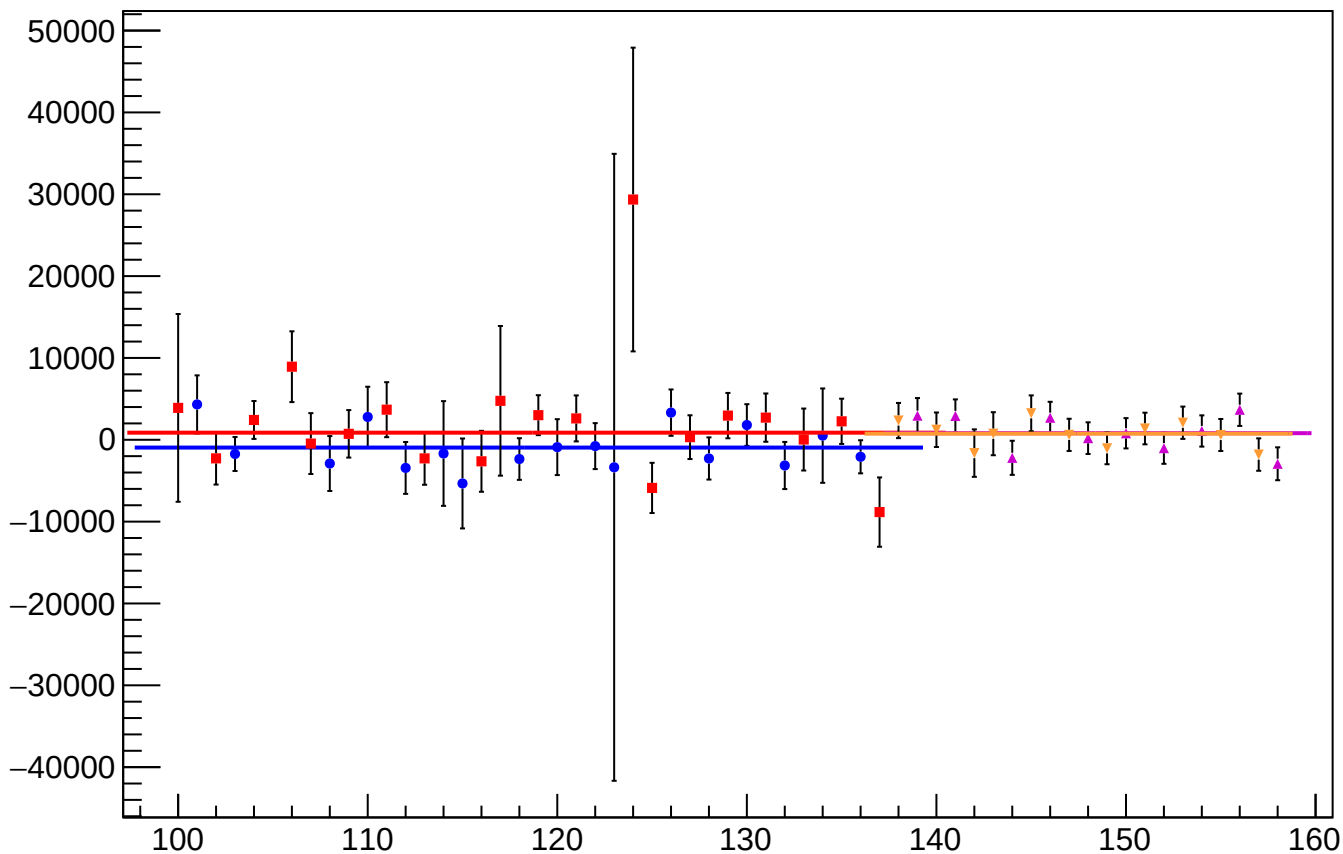
Right Out: 3742.124 ± 1.127 χ^2/NDF : 2712365.3/19

Left In: 5016.711 ± 1.255 χ^2/NDF : 344125.6/9

4262.265 ± 0.842 χ^2/NDF : 3770147.7/27

4310.826 ± 0.838 χ^2/NDF : 3627460.8/29

reg_asym_atl1r2_dd_mean vs Slug



Right In: -951.377+/-740.668 χ^2/NDF : 10.0/16

Left Out: 746.298+/-635.375 χ^2/NDF : 5.7/10

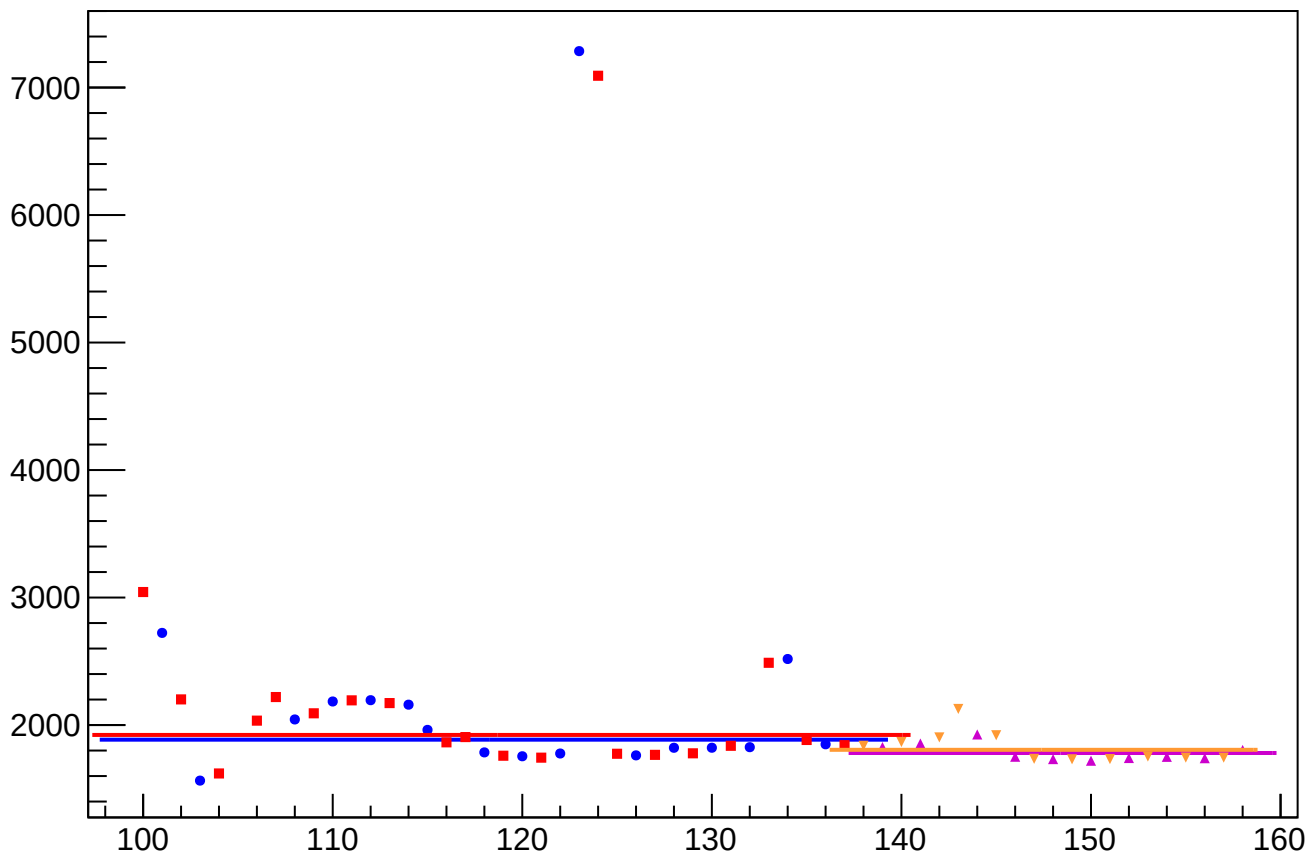
Right Out: 868.810+/-735.140 χ^2/NDF : 22.7/19

Left In: 807.969+/-624.054 χ^2/NDF : 11.7/9

26.609+/-482.246 χ^2/NDF : 18.6/27

833.450+/-475.752 χ^2/NDF : 34.4/29

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1885.360 ± 0.524 χ^2/NDF : 280429.0/16

Left Out: 1805.729 ± 0.449 χ^2/NDF : 53171.7/10

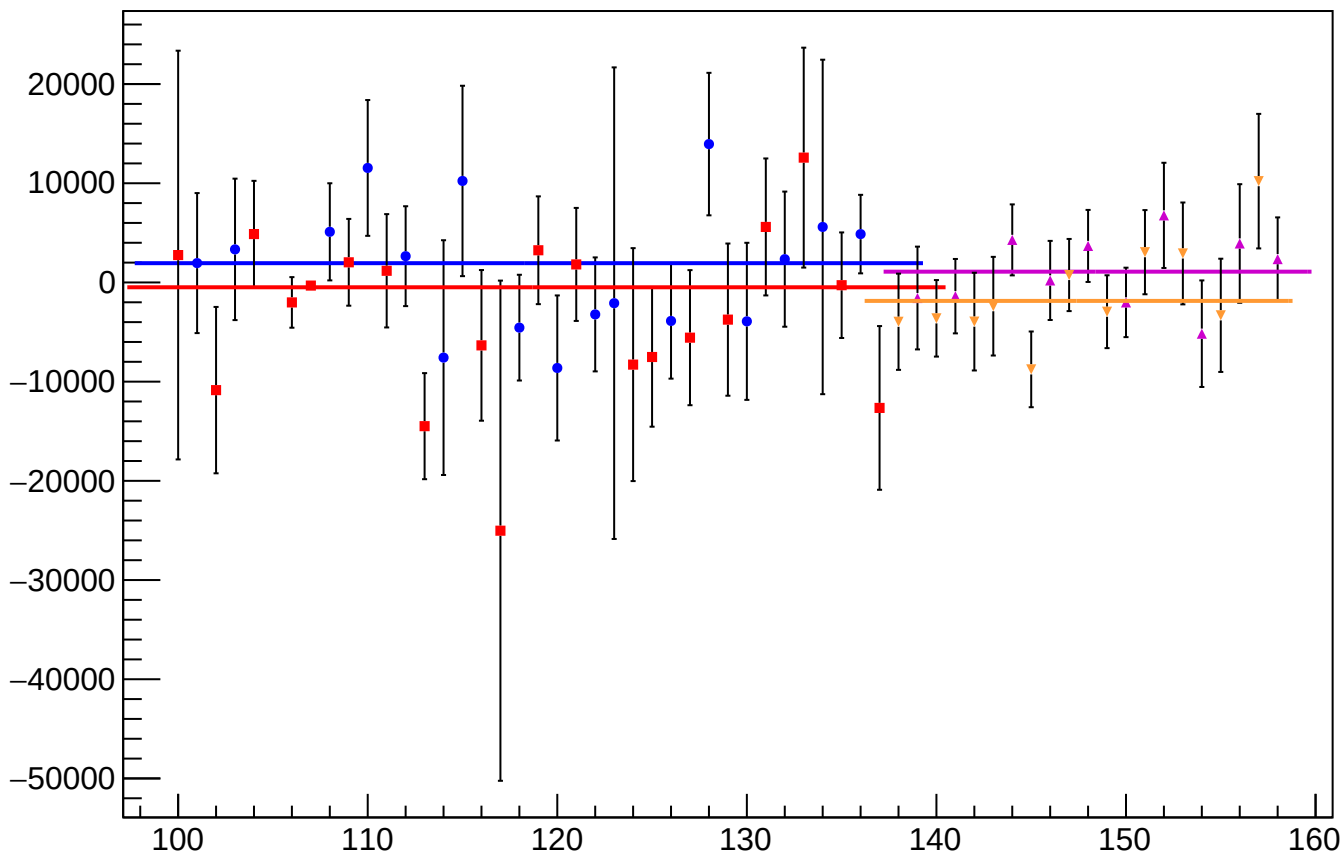
Right Out: 1922.430 ± 0.519 χ^2/NDF : 351518.8/19

Left In: 1780.845 ± 0.441 χ^2/NDF : 19714.1/9

1839.487 ± 0.341 χ^2/NDF : 346918.2/27

1840.249 ± 0.336 χ^2/NDF : 414426.8/29

asym_atl1r2_dd_correction_mean vs Slug



Right In: 1943.178+/-1581.060 χ^2/NDF : 13.2/16

Left Out: -1860.181+/-1341.506 χ^2/NDF : 9.9/10

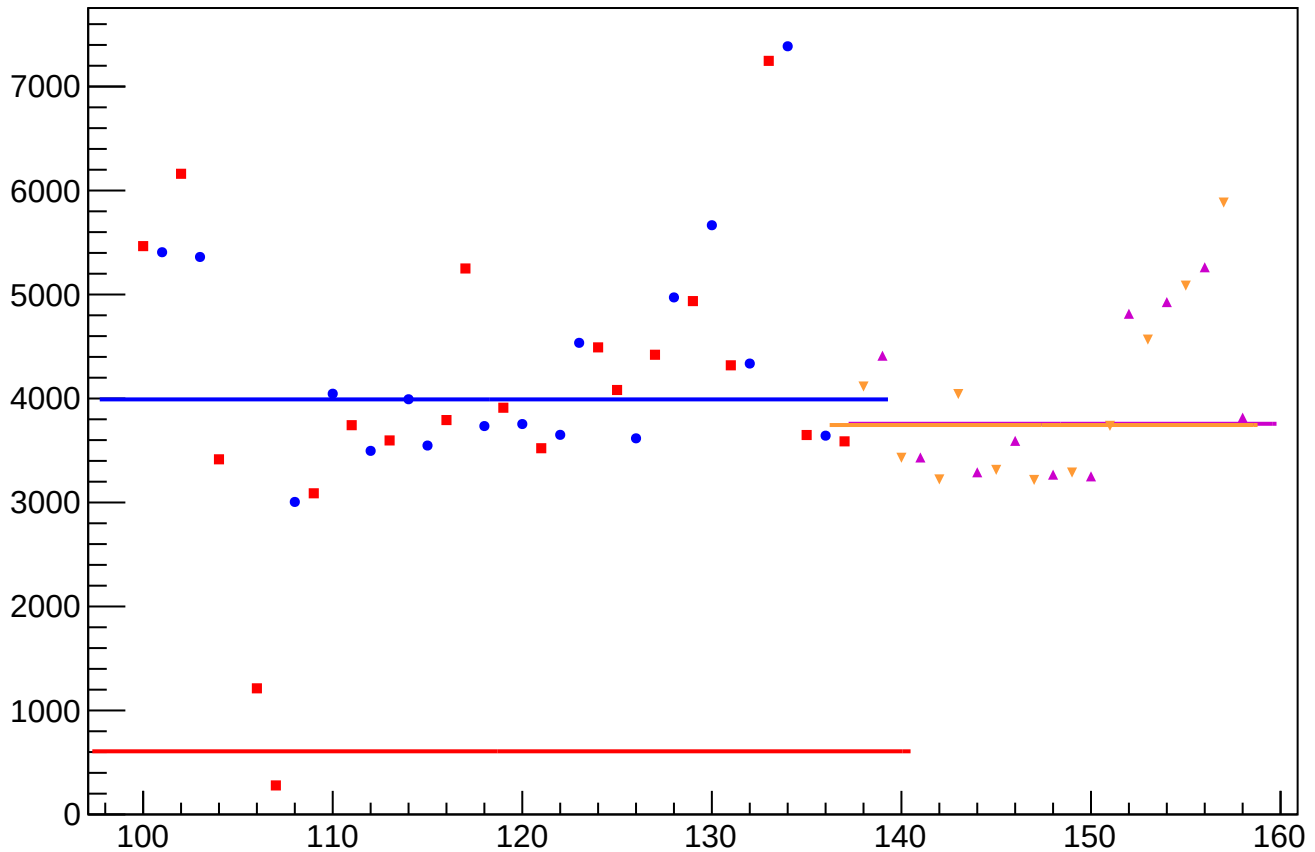
Right Out: -486.774+/-453.611 χ^2/NDF : 19.0/19

Left In: 1087.055+/-1334.431 χ^2/NDF : 5.7/9

-268.171+/-1022.910 χ^2/NDF : 26.5/27

-323.754+/-429.476 χ^2/NDF : 25.9/29

asym_atl1r2_dd_correction_rms vs Slug



Right In: 3991.416+/-1.118 χ^2/NDF : 510782.7/16

Left Out: 3745.039+/-0.949 χ^2/NDF : 513925.6/10

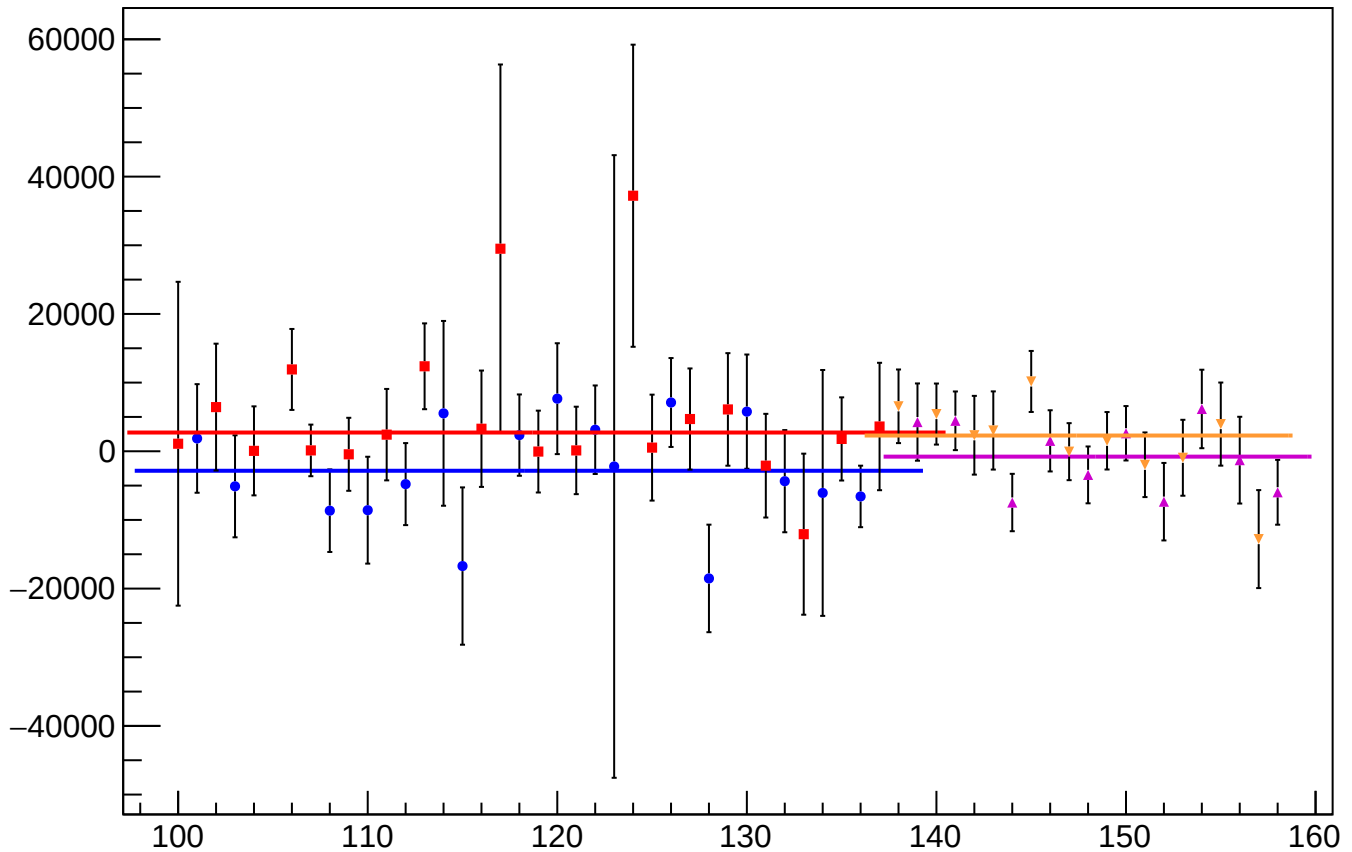
Right Out: 607.234+/-0.321 χ^2/NDF : 10314440.1/19

Left In: 3756.899+/-0.944 χ^2/NDF : 464095.5/9

3848.168+/-0.723 χ^2/NDF : 1052945.6/27

933.484+/-0.304 χ^2/NDF : 20766493.8/29

asym_atl1r2_dd_mean vs Slug



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

Left Out: 2292.299 $\pm$ 1512.476 χ^2 /NDF:10.3/10

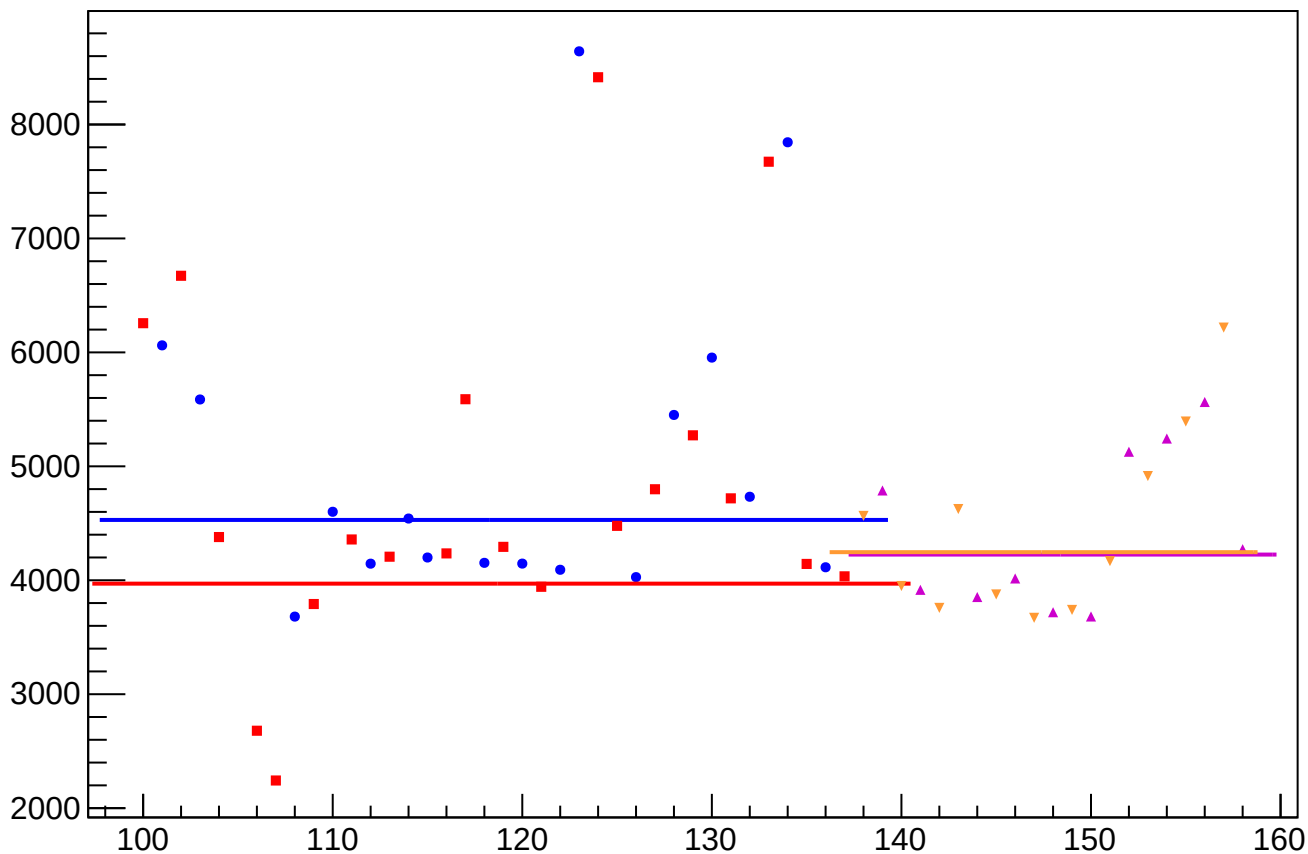
Right Out: 2729.311 $\pm$ 1572.398 χ^2 /NDF: 12.2/19

Left In: -781.956 $\pm$ 1494.017 χ^2 /NDF:10.3/9

149.030 $\pm$ 1154.212 χ^2 /NDF: 30.6/27

883.984 $\pm$ 1083.079 χ^2 /NDF: 25.1/29

asym_atl1r2_dd_rms vs Slug



Right In: 4529.462+/-1.263 χ^2/NDF : 389326.2/16

Left Out: 4246.664+/-1.069 χ^2/NDF : 375292.1/10

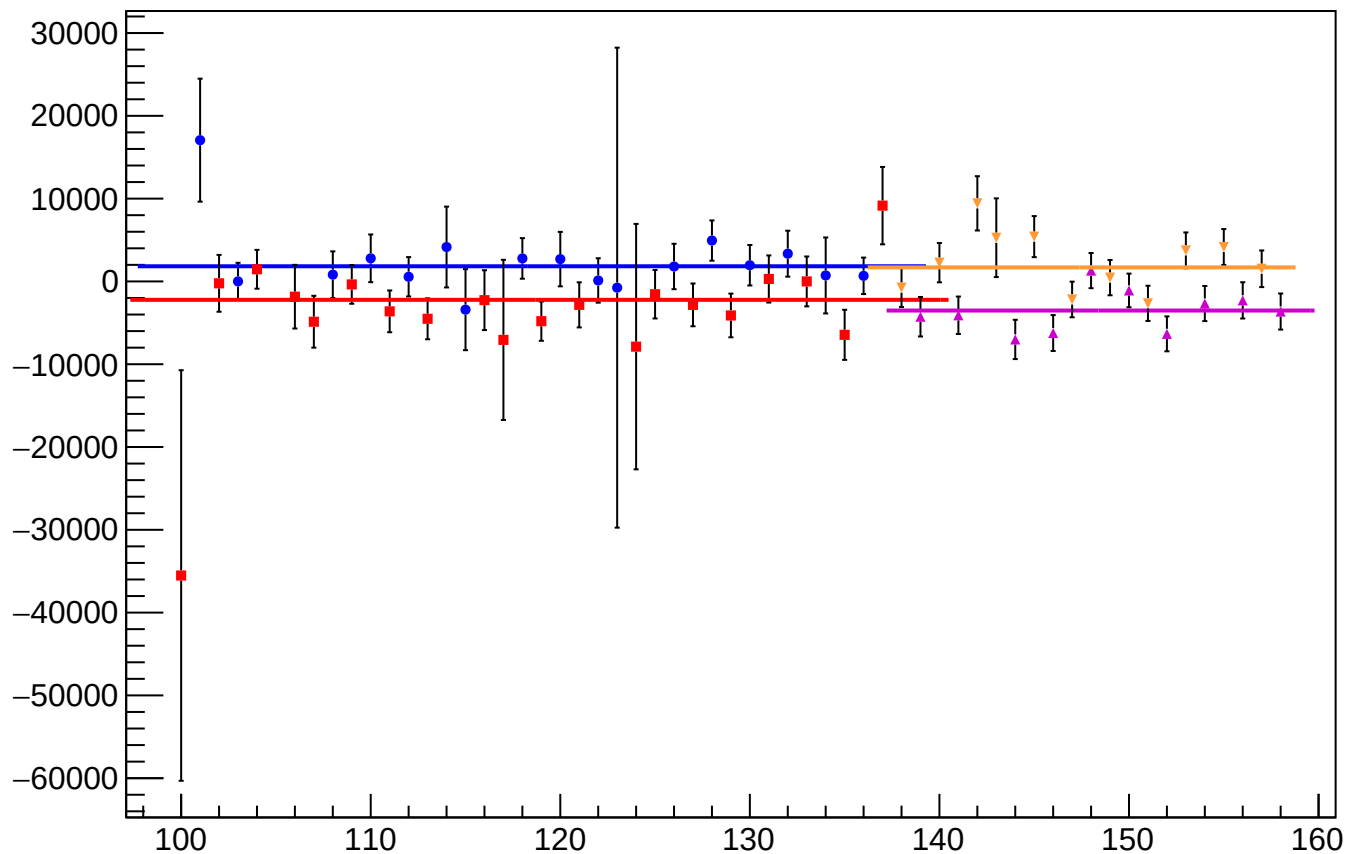
Right Out: 3970.336+/-1.105 χ^2/NDF : 1147711.9/19

Left In: 4225.493+/-1.056 χ^2/NDF : 322980.1/9

4364.770+/-0.816 χ^2/NDF : 793819.6/27

4103.619+/-0.764 χ^2/NDF : 1498555.8/29

reg_asym_atr1l2_avg_mean vs Slug



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

Left Out: 1694.875 $\pm$ 716.905 χ^2 /NDF: 19.5/10

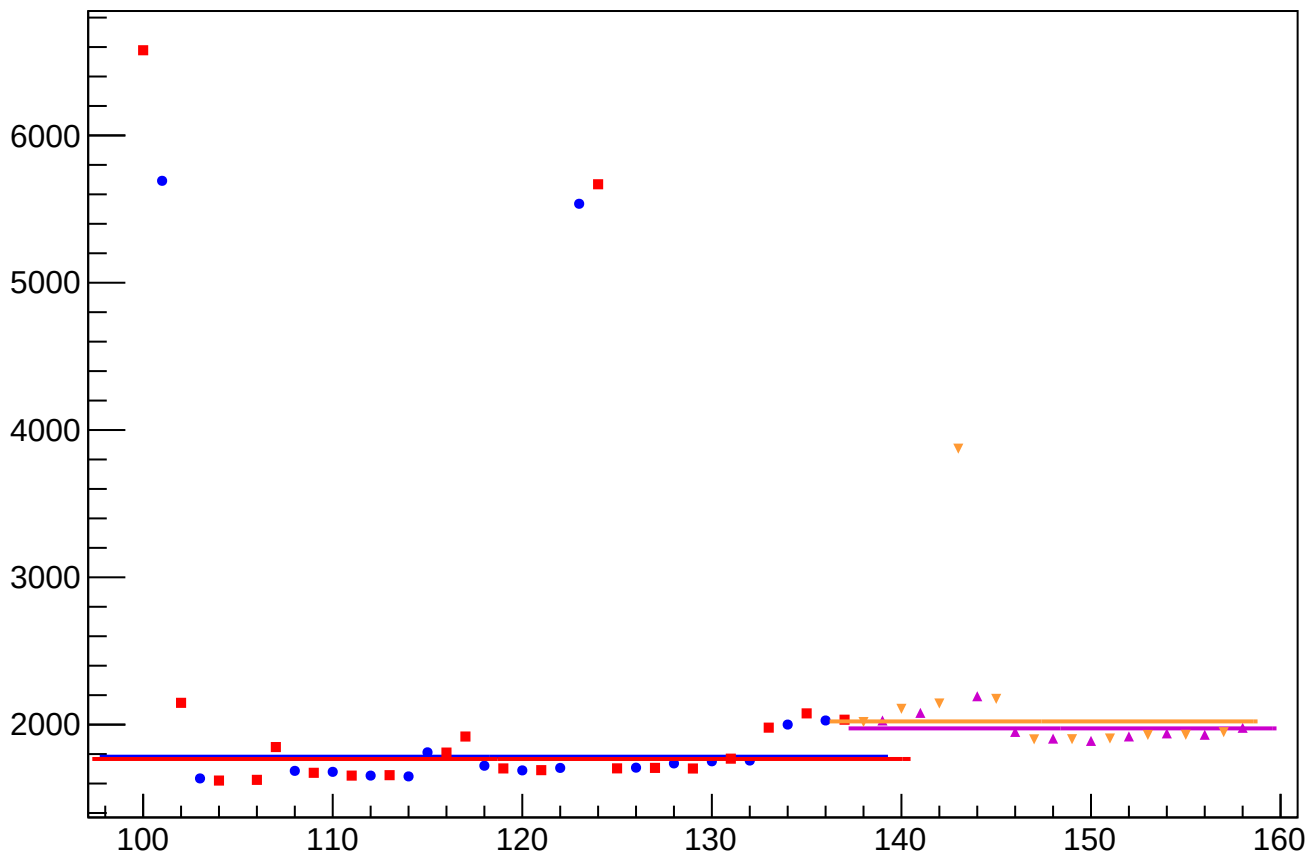
Right Out: -2222.274 $\pm$ 682.500 χ^2 /NDF: 18.6/19

Left In: -3516.125 $\pm$ 691.491 χ^2 /NDF: 12.7/9

1763.016 $\pm$ 504.947 χ^2 /NDF: 29.2/27

-2860.733 $\pm$ 485.748 χ^2 /NDF: 33.1/29

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1782.137+/-0.503 χ^2/NDF : 645188.8/16

Left Out: 2021.699+/-0.507 χ^2/NDF : 344632.9/10

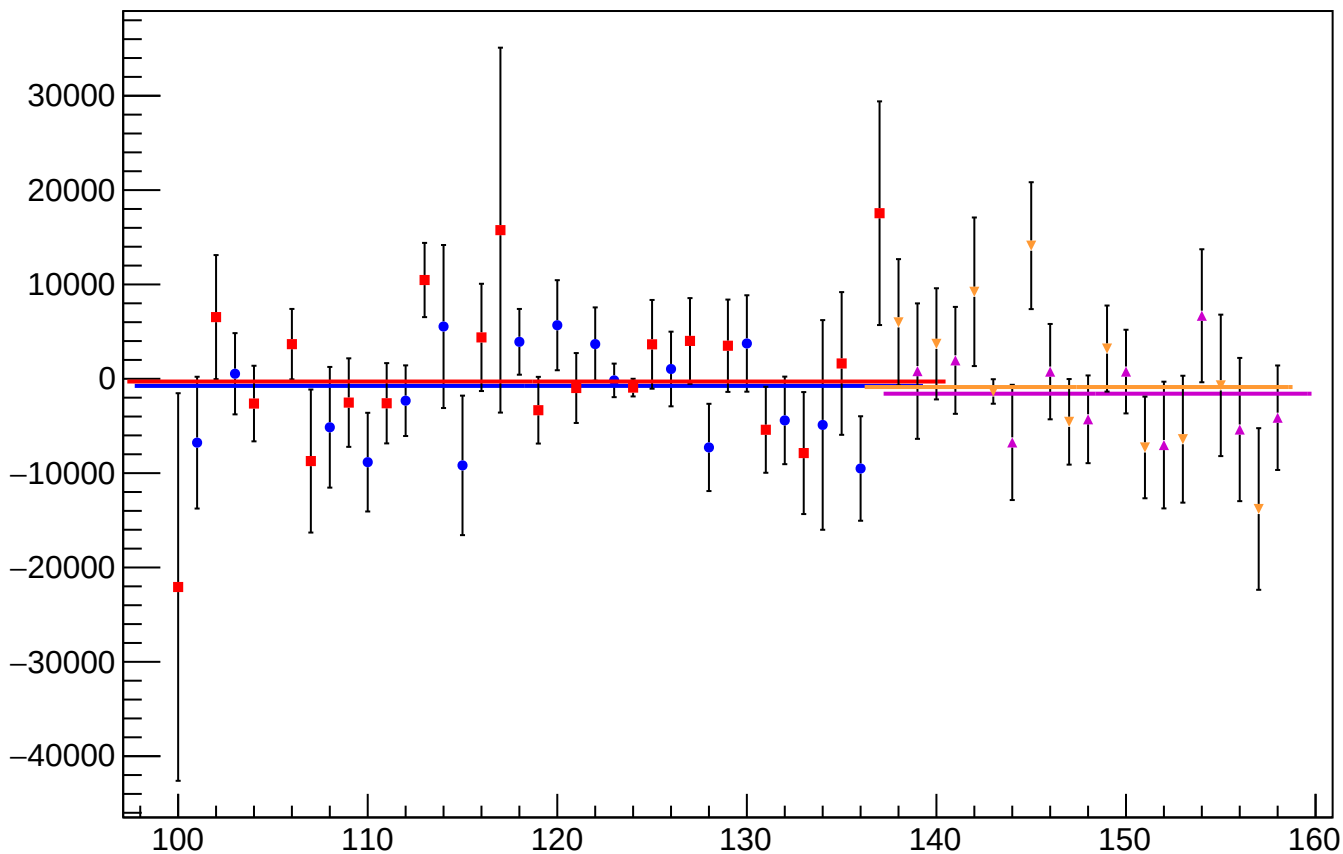
Right Out: 1766.719+/-0.479 χ^2/NDF : 307297.1/19

Left In: 1974.347+/-0.489 χ^2/NDF : 30765.0/9

1900.984+/-0.357 χ^2/NDF : 1102357.1/27

1868.465+/-0.342 χ^2/NDF : 430015.1/29

asym_atr1l2_avg_correction_mean vs Slug



Right In: -753.428 ± 1008.523 $\chi^2/\text{NDF}: 16.9/16$

Left Out: -872.587 ± 1074.186 $\chi^2/\text{NDF}: 14.2/10$

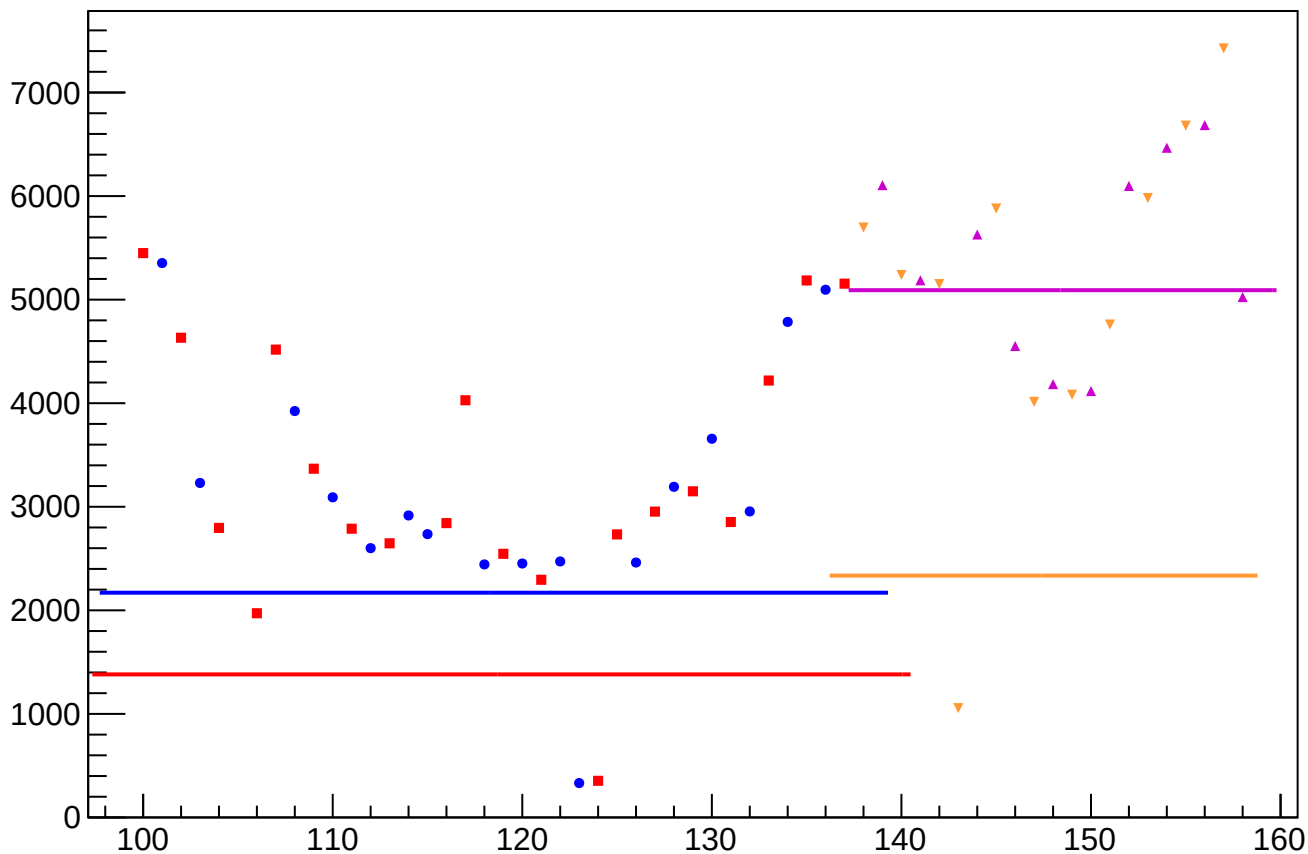
Right Out: -288.847 ± 724.622 $\chi^2/\text{NDF}: 22.7/19$

Left In: -1579.966 ± 1808.070 $\chi^2/\text{NDF}: 4.5/9$

-809.254 ± 735.252 $\chi^2/\text{NDF}: 31.2/27$

-467.524 ± 672.616 $\chi^2/\text{NDF}: 27.7/29$

asym_atr1l2_avg_correction_rms vs Slug



Right In: 2170.242 $\pm$ 0.713 χ^2/NDF : 3973725.5/16

Left Out: 2335.491 $\pm$ 0.760 χ^2/NDF : 6679084.3/10

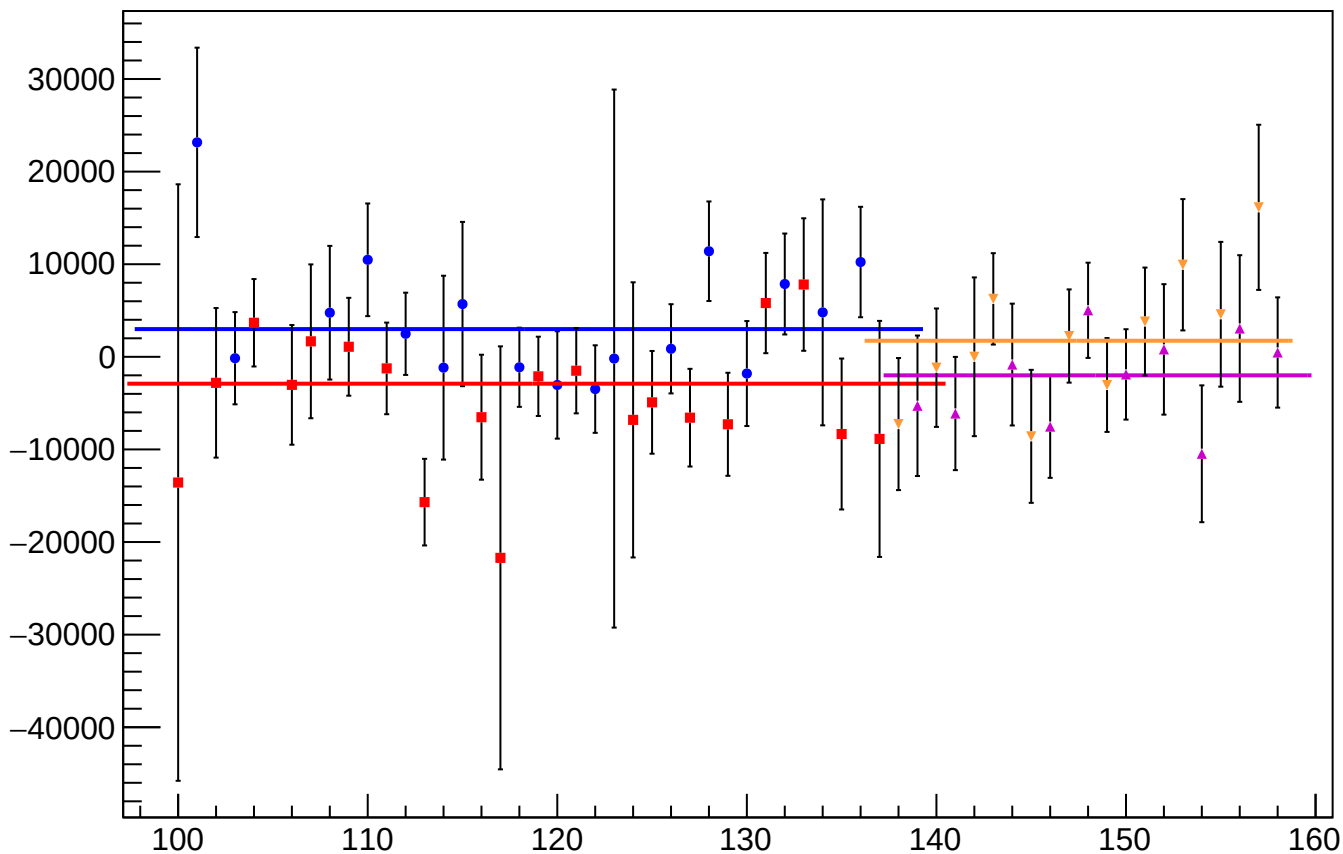
Right Out: 1381.438 $\pm$ 0.512 χ^2/NDF : 6884822.3/19

Left In: 5091.380 $\pm$ 1.278 χ^2/NDF : 460956.4/9

2247.662 $\pm$ 0.520 χ^2/NDF : 10677966.3/27

1894.856 $\pm$ 0.476 χ^2/NDF : 14600894.9/29

asym_atr1l2_avg_mean vs Slug



Right In: 2992.806 ± 1447.211 χ^2/NDF : 15.7/16

Left Out: 1736.247 ± 1907.405 χ^2/NDF : 9.9/10

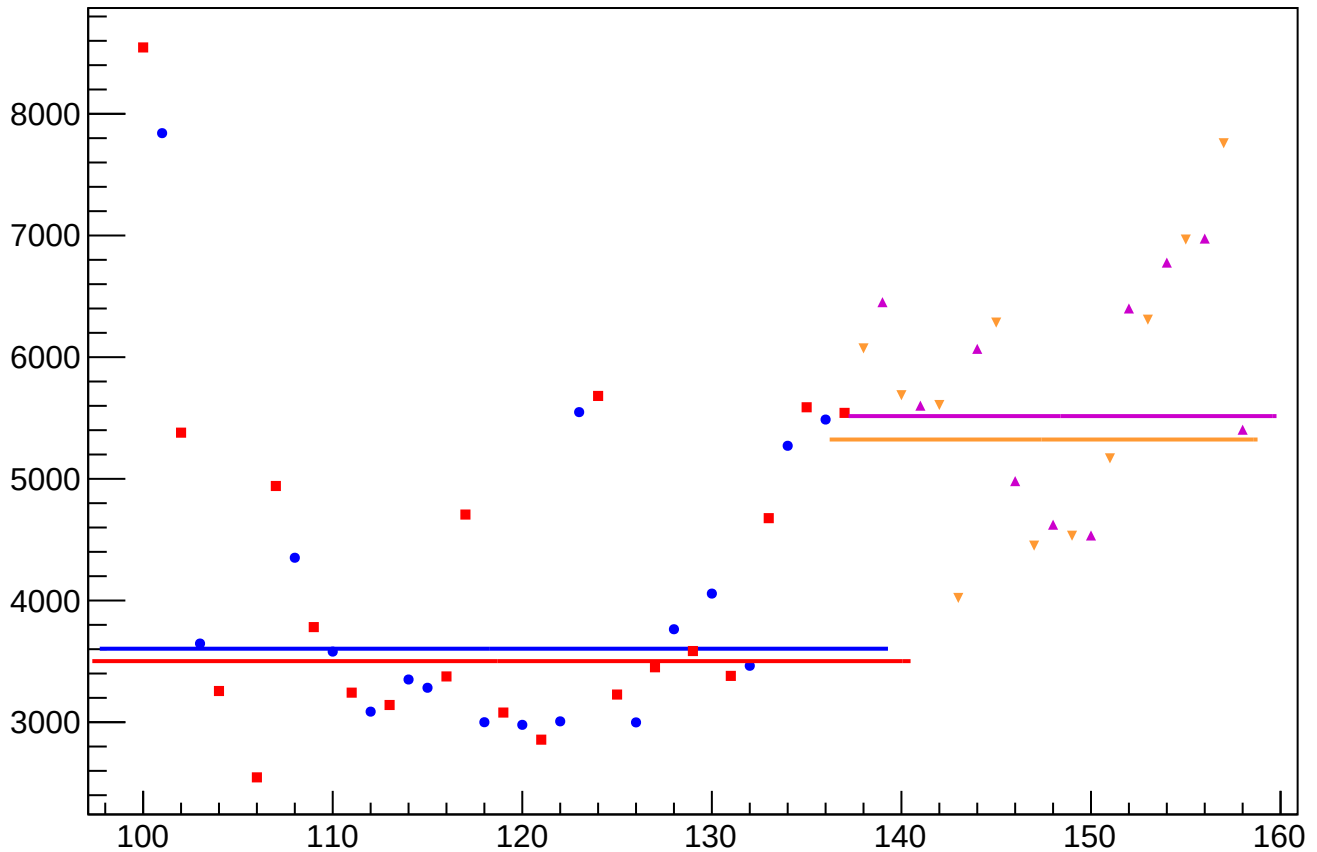
Right Out: -2901.985 ± 1376.603 χ^2/NDF : 18.4/19

Left In: -2000.382 ± 1952.322 χ^2/NDF : 5.6/9

2533.721 ± 1152.918 χ^2/NDF : 25.8/27

-2602.582 ± 1125.049 χ^2/NDF : 24.1/29

asym_atr1l2_avg_rms vs Slug



Right In: 3603.930 ± 1.023 $\chi^2/\text{NDF}: 784674.5/16$

Left Out: 5323.234 ± 1.349 $\chi^2/\text{NDF}: 592014.8/10$

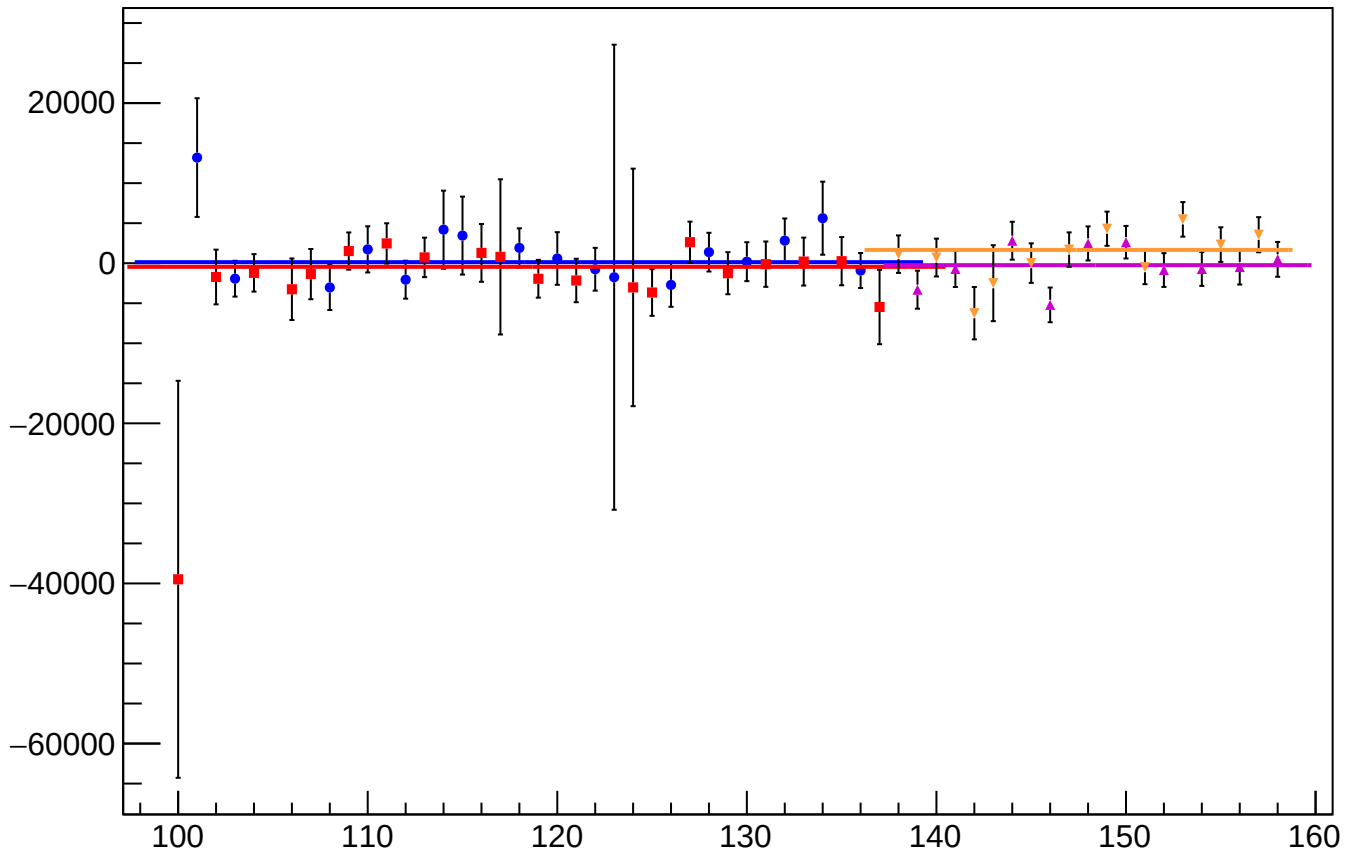
Right Out: 3501.857 ± 0.960 $\chi^2/\text{NDF}: 667483.1/19$

Left In: 5515.737 ± 1.381 $\chi^2/\text{NDF}: 363223.6/9$

4232.075 ± 0.815 $\chi^2/\text{NDF}: 2407988.9/27$

4158.223 ± 0.788 $\chi^2/\text{NDF}: 2465220.5/29$

reg_asym_atr1l2_dd_mean vs Slug



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

Left Out: 1662.622 ± 715.004 χ^2/NDF : 13.8/10

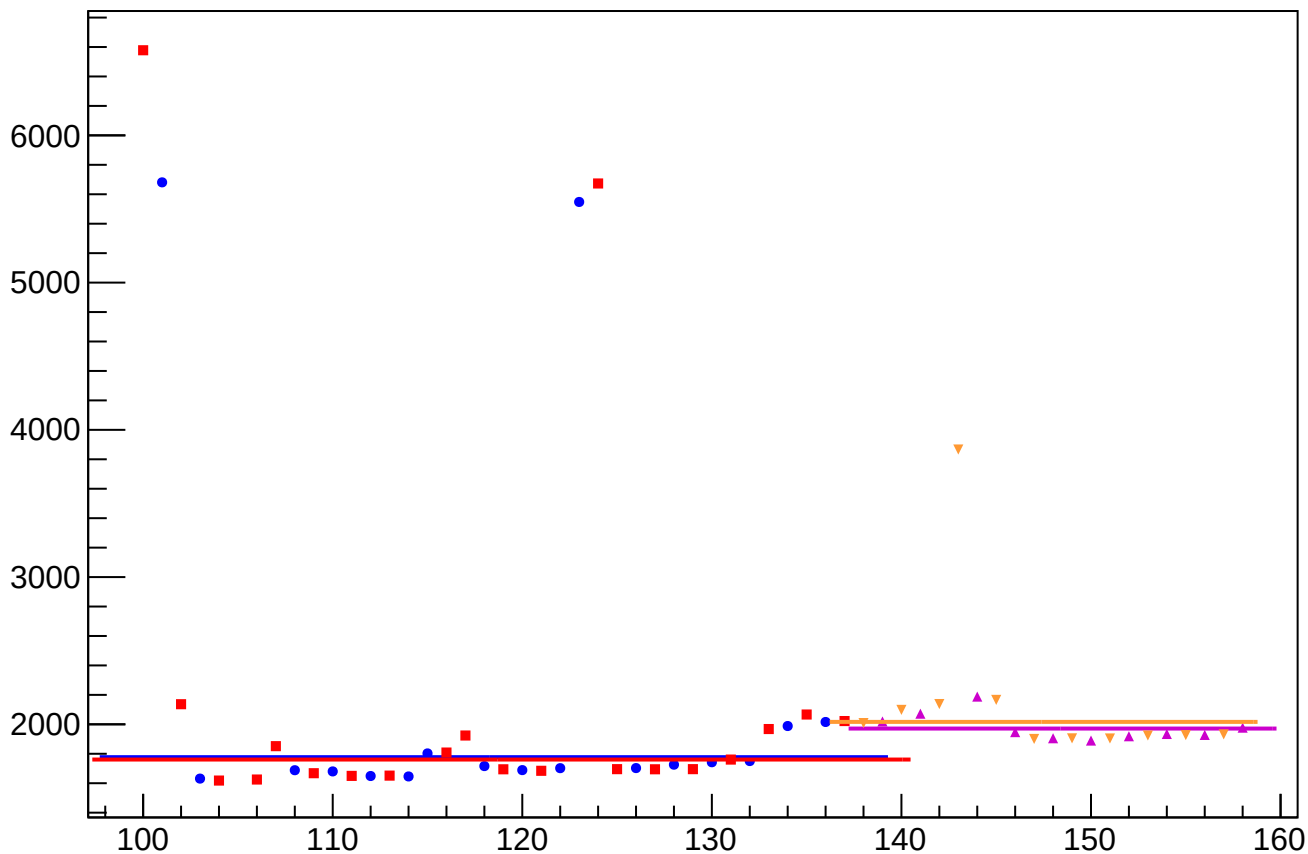
Right Out: -452.872 ± 680.160 χ^2/NDF : 10.7/19

Left In: -240.387 ± 690.351 χ^2/NDF : 12.5/9

890.533 ± 503.522 χ^2/NDF : 28.3/27

-348.209 ± 484.509 χ^2/NDF : 23.3/29

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1776.879 $\pm$ 0.501 χ^2 /NDF: 643576.8/16

Left Out: 2016.523 $\pm$ 0.506 χ^2 /NDF: 343497.0/10

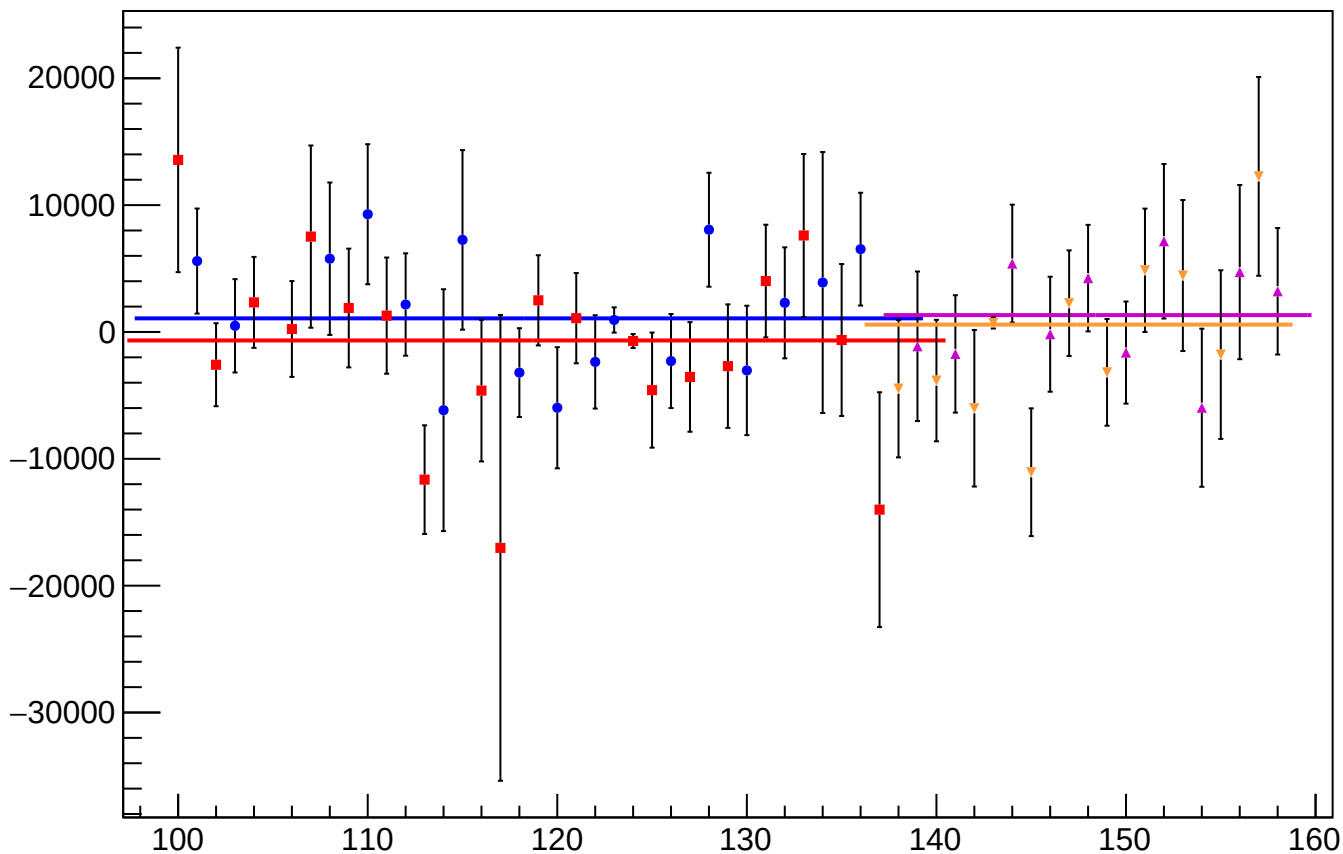
Right Out: 1760.787 $\pm$ 0.478 χ^2 /NDF: 306724.5/19

Left In: 1971.196 $\pm$ 0.488 χ^2 /NDF: 29655.8/9

1895.726 $\pm$ 0.356 χ^2 /NDF: 1100324.0/27

1863.713 $\pm$ 0.341 χ^2 /NDF: 431286.6/29

asym_atr1l2_dd_correction_mean vs Slug



Right In: 1072.194+/-752.280 χ^2/NDF : 15.6/16

Left Out: 580.198+/-424.169 χ^2/NDF : 12.8/10

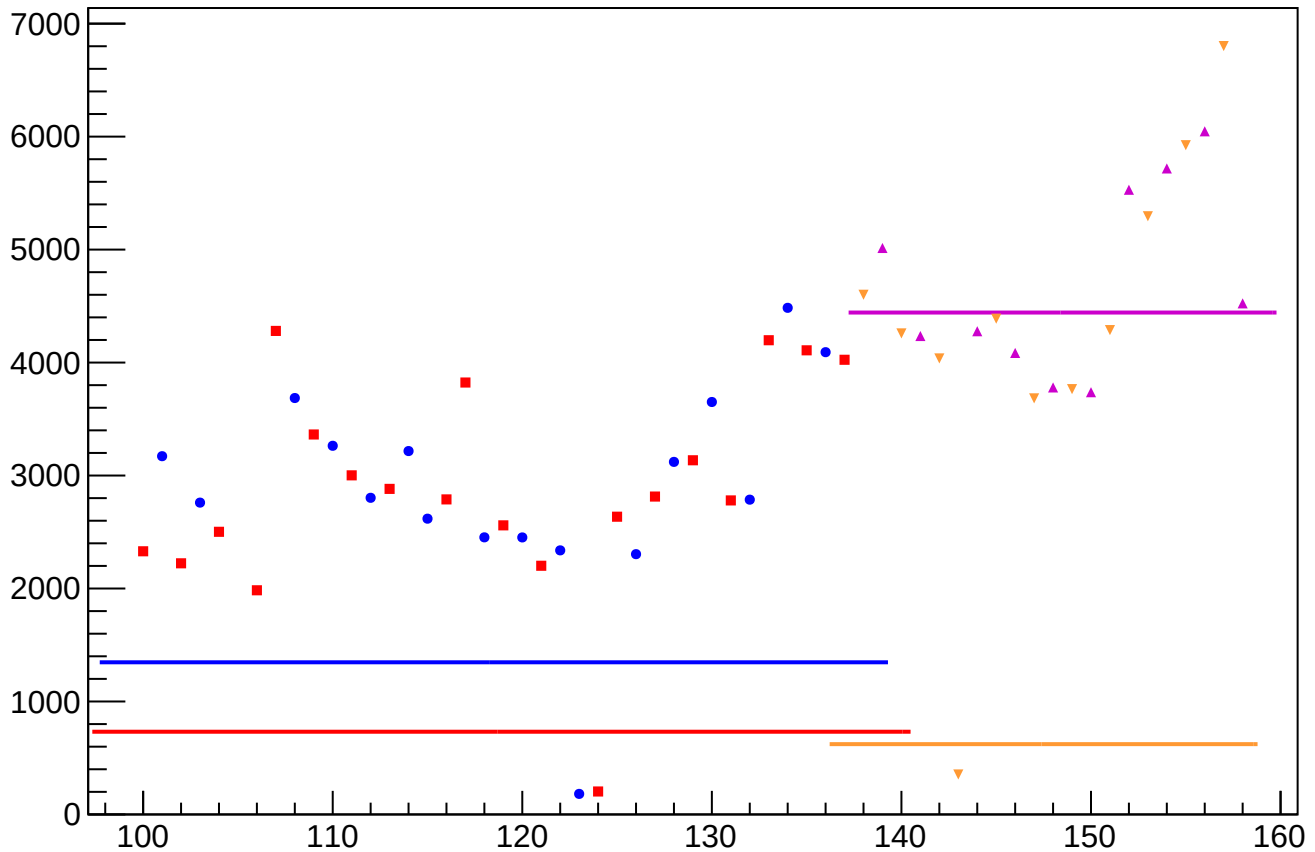
Right Out: -670.313+/-487.861 χ^2/NDF : 20.6/19

Left In: 1330.313+/-1574.989 χ^2/NDF : 5.2/9

698.882+/-369.483 χ^2/NDF : 28.7/27

-495.161+/-466.017 χ^2/NDF : 27.2/29

asym_atr1l2_dd_correction_rms vs Slug



Right In: 1346.836+/-0.532 χ^2/NDF : 6839112.6/16

Left Out: 622.409+/-0.300 χ^2/NDF : 11789717.5/10

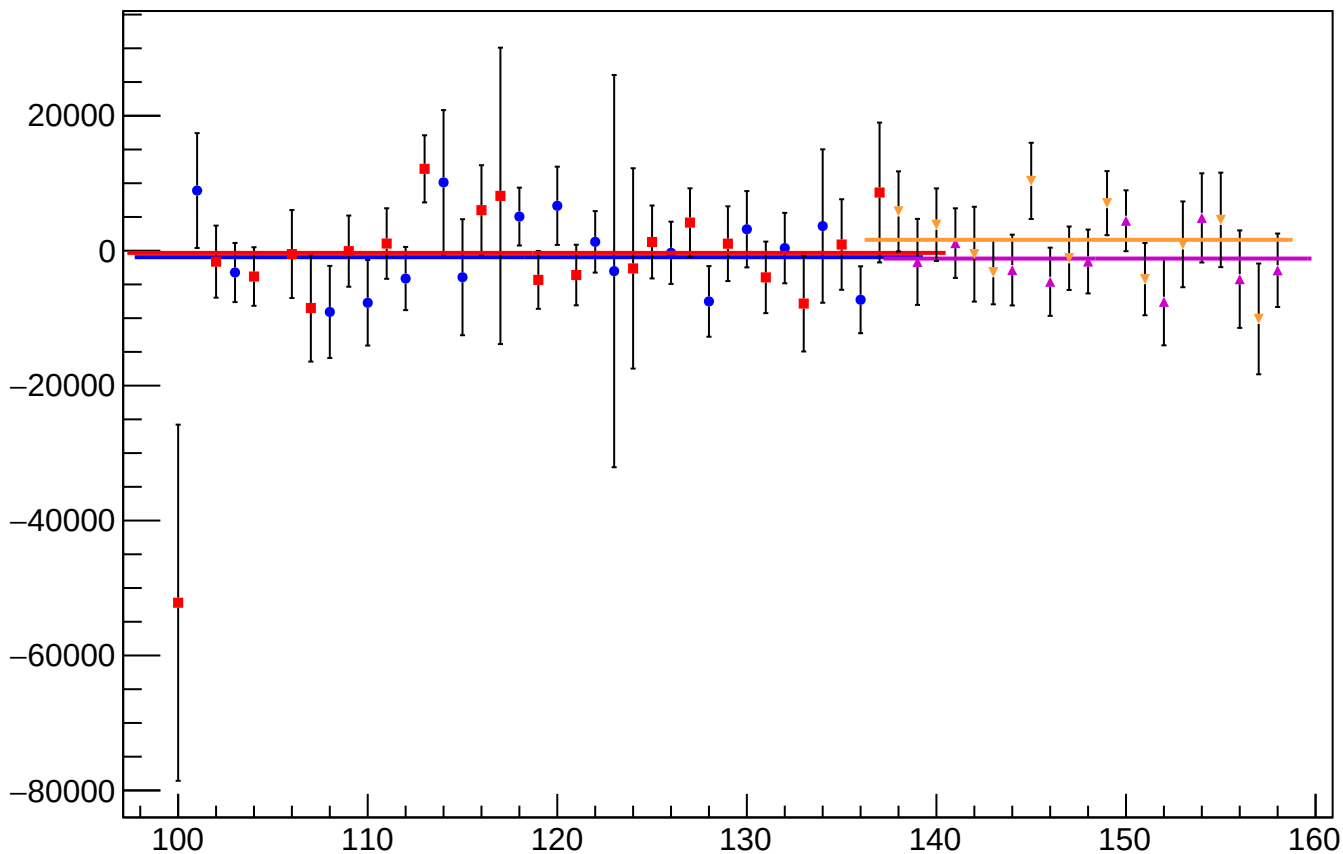
Right Out: 732.303+/-0.345 χ^2/NDF : 9559853.6/19

Left In: 4442.759+/-1.114 χ^2/NDF : 406244.0/9

797.162+/-0.261 χ^2/NDF : 20036080.9/27

1057.148+/-0.330 χ^2/NDF : 20094466.5/29

asym_atr1l2_dd_mean vs Slug



Right In: -964.151+/-1395.626 χ^2/NDF : 13.7/16

Left Out: 1613.938+/-1707.604 χ^2/NDF : 9.2/10

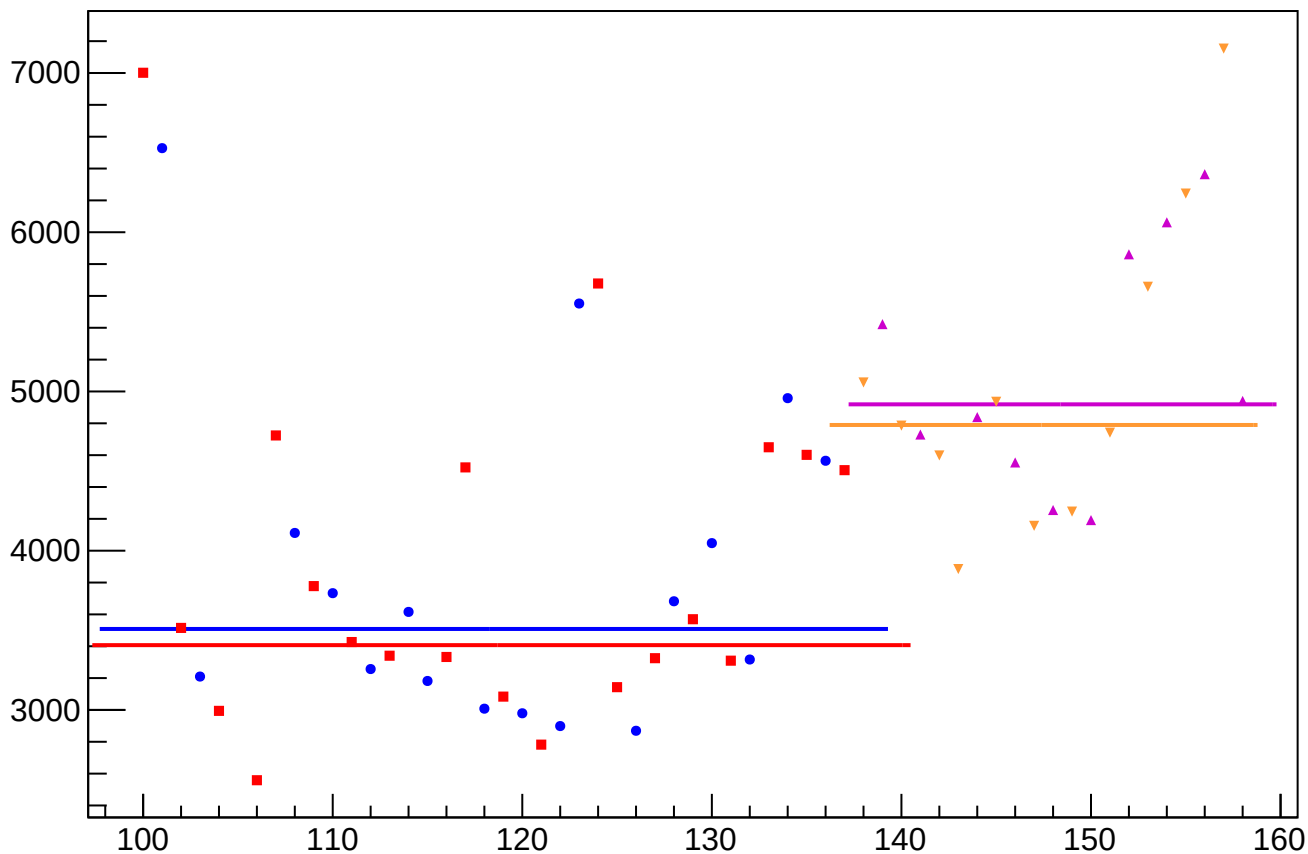
Right Out: -323.694+/-1327.331 χ^2/NDF : 17.8/19

Left In: -1165.136+/-1737.533 χ^2/NDF : 4.4/9

68.302+/-1080.621 χ^2/NDF : 24.3/27

-633.778+/-1054.777 χ^2/NDF : 22.3/29

asym_atr1l2_dd_rms vs Slug



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

Left Out: 4789.564 $\pm$ 1.207 χ^2 /NDF: 430806.3/10

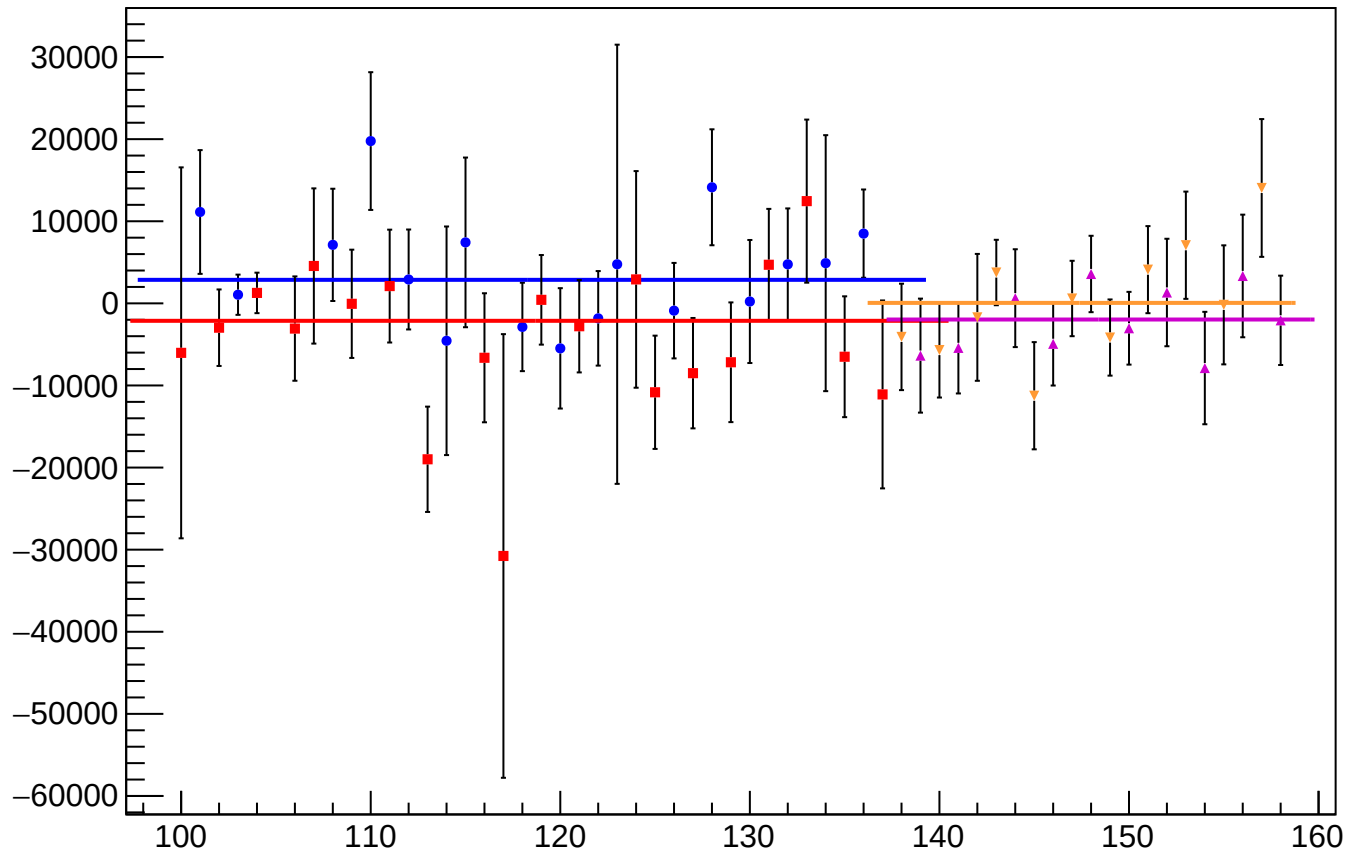
Right Out: 3406.868 $\pm$ 0.926 χ^2 /NDF: 433737.9/19

Left In: 4919.128 $\pm$ 1.229 χ^2 /NDF: 299884.8/9

4021.517 $\pm$ 0.764 χ^2 /NDF: 1667873.8/27

3955.053 $\pm$ 0.740 χ^2 /NDF: 1699453.2/29

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



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

Left Out: 56.641 $\pm$ 1707.398 χ^2 /NDF:10.7/10

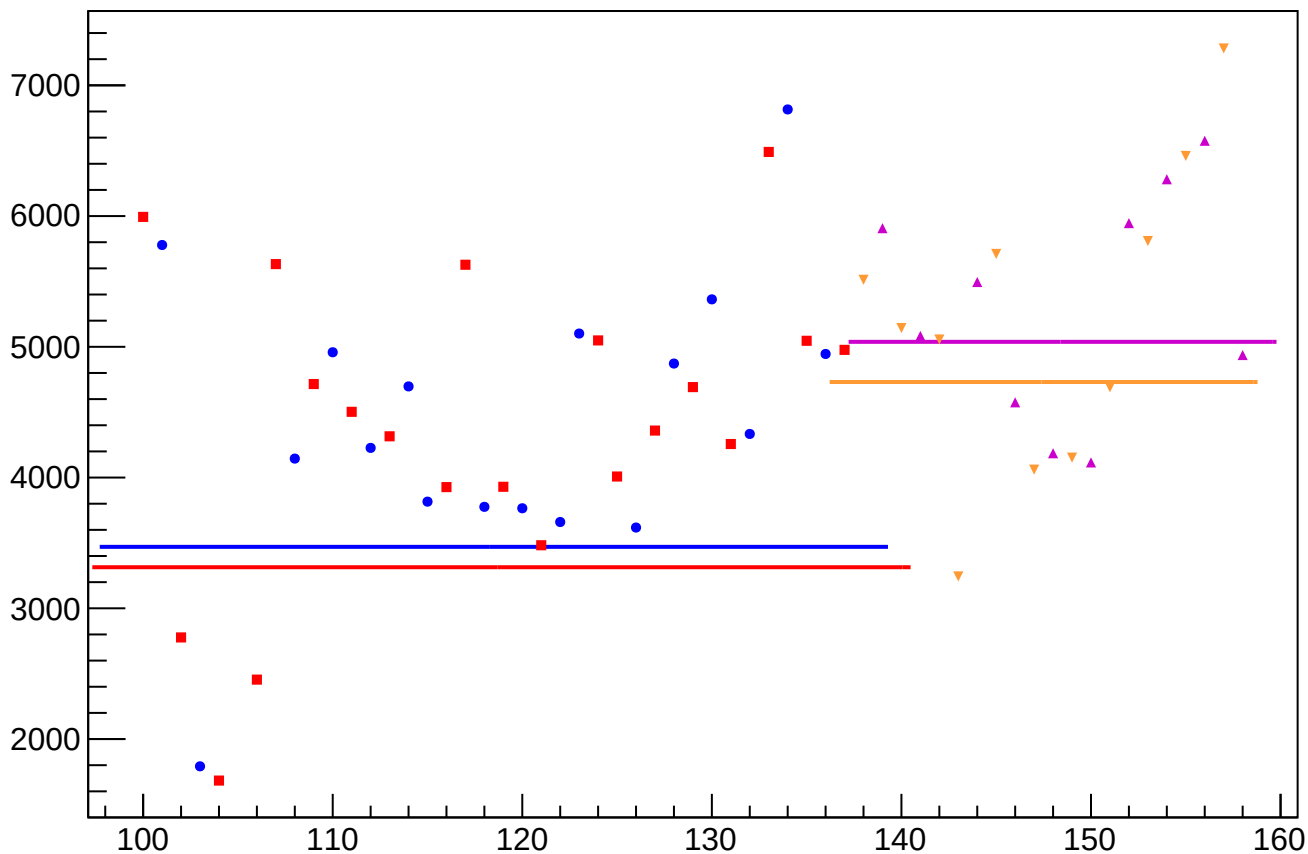
Right Out: -2126.105 $\pm$ 1379.774 χ^2 /NDF: 18.8/19

Left In: -1968.331 $\pm$ 1785.752 χ^2 /NDF:4.3/9

1685.615 $\pm$ 1106.399 χ^2 /NDF: 26.3/27

-2067.125 $\pm$ 1091.831 χ^2 /NDF: 23.1/29

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042 ± 1.027 χ^2/NDF : 1760860.6/16

Left Out: 4730.962 ± 1.207 χ^2/NDF : 793462.8/10

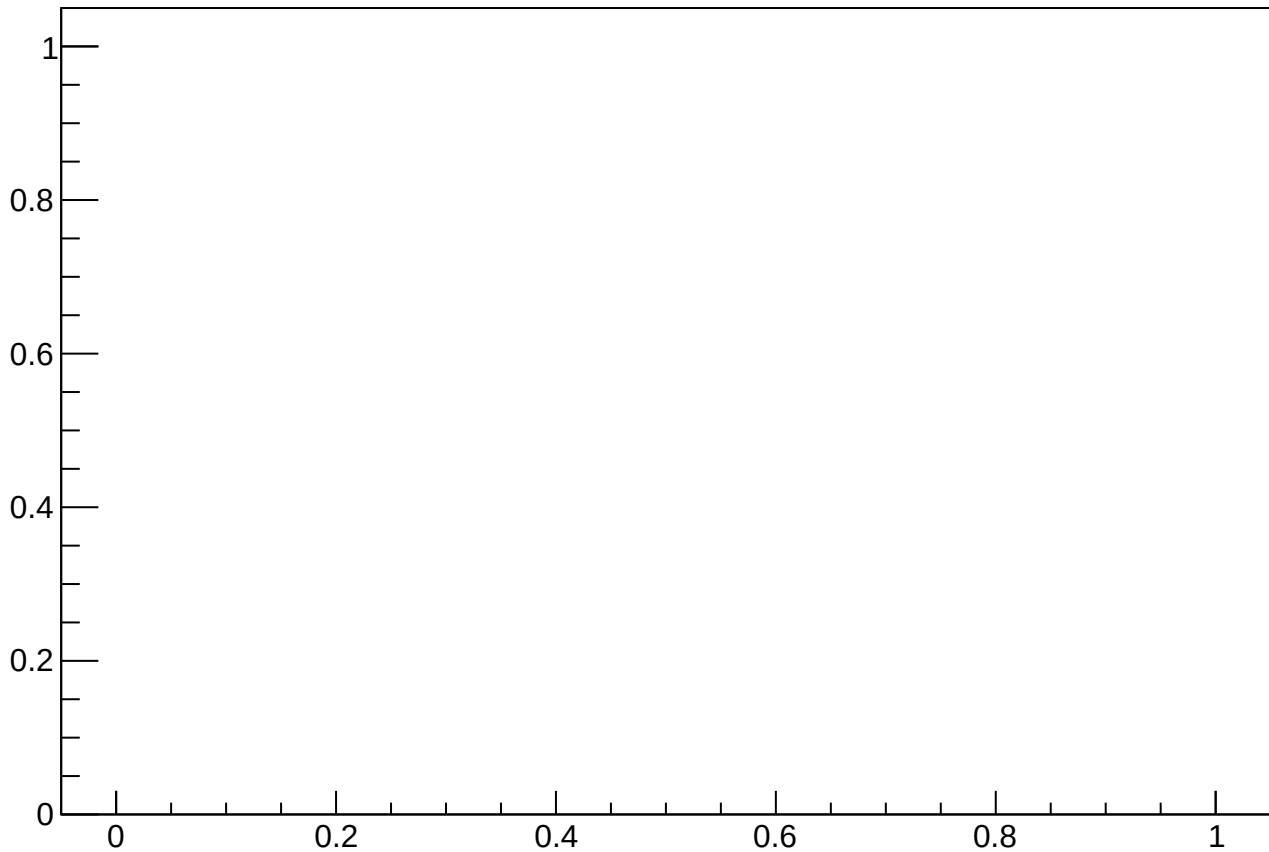
Right Out: 3314.183 ± 0.967 χ^2/NDF : 1925484.9/19

Left In: 5038.105 ± 1.263 χ^2/NDF : 403610.9/9

3999.497 ± 0.782 χ^2/NDF : 3187086.5/27

3951.258 ± 0.768 χ^2/NDF : 3504193.7/29

asym_atl_avg_atr_avg_avg_correction_mean vs Slug



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

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

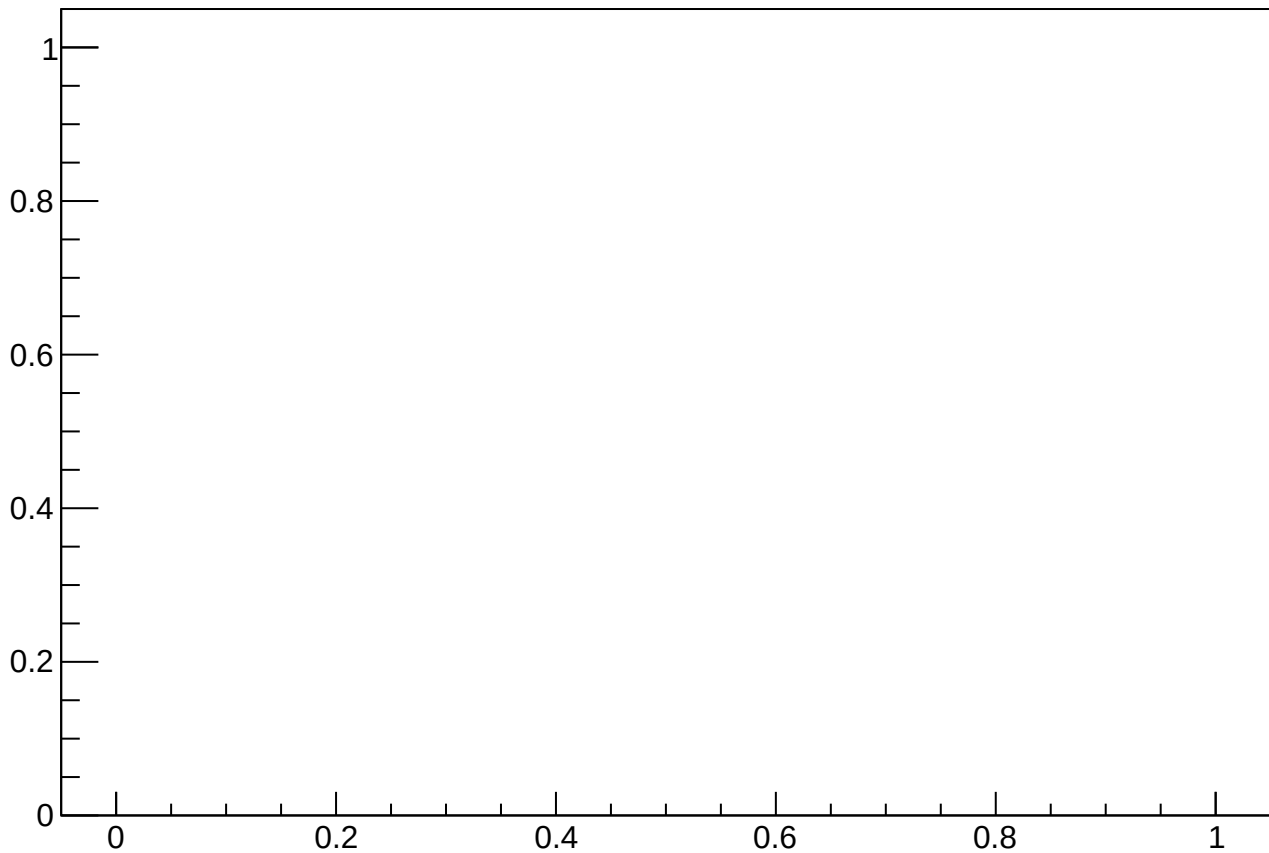
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug



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

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

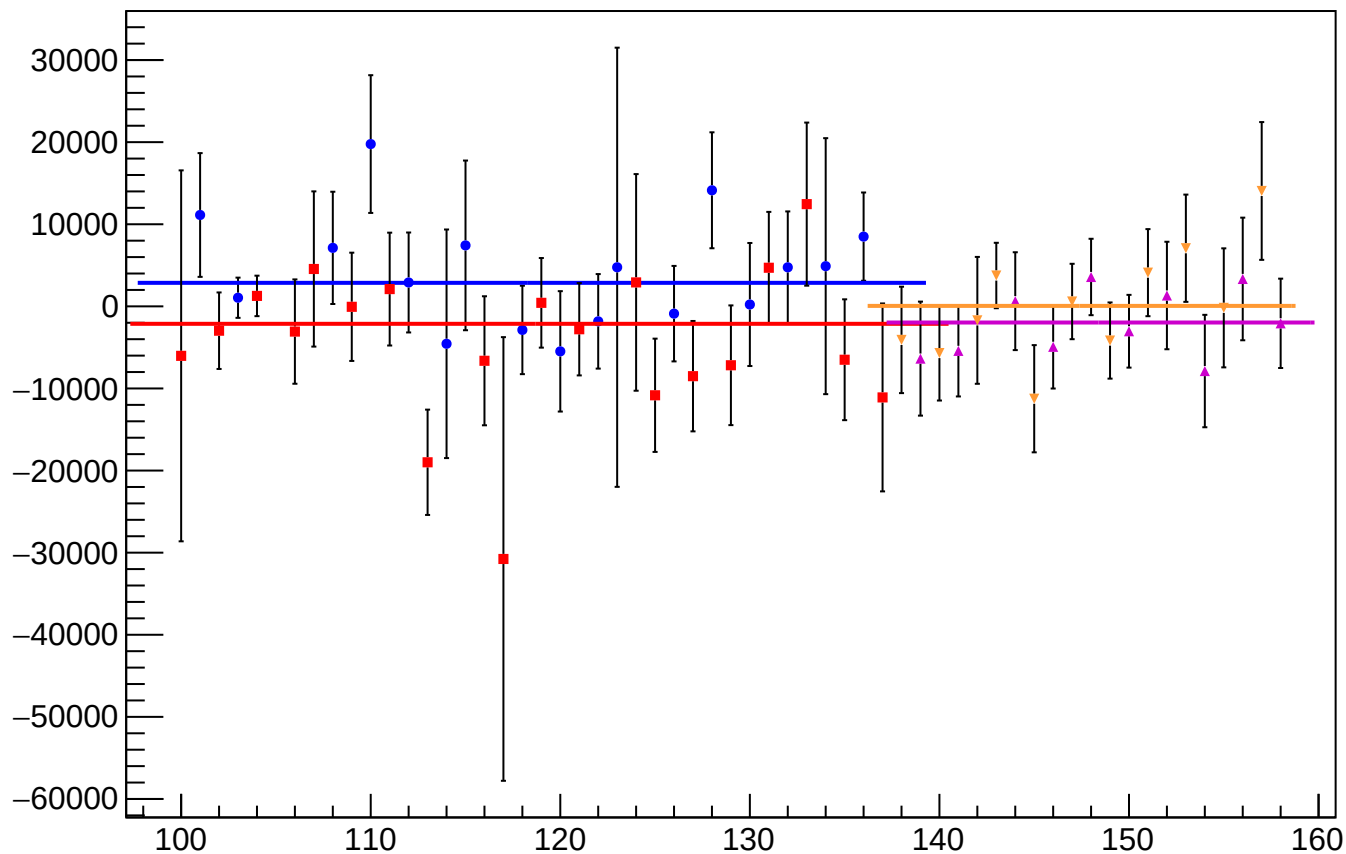
Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug



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

Left Out: 56.641 $\pm$ 1707.398 χ^2 /NDF:10.7/10

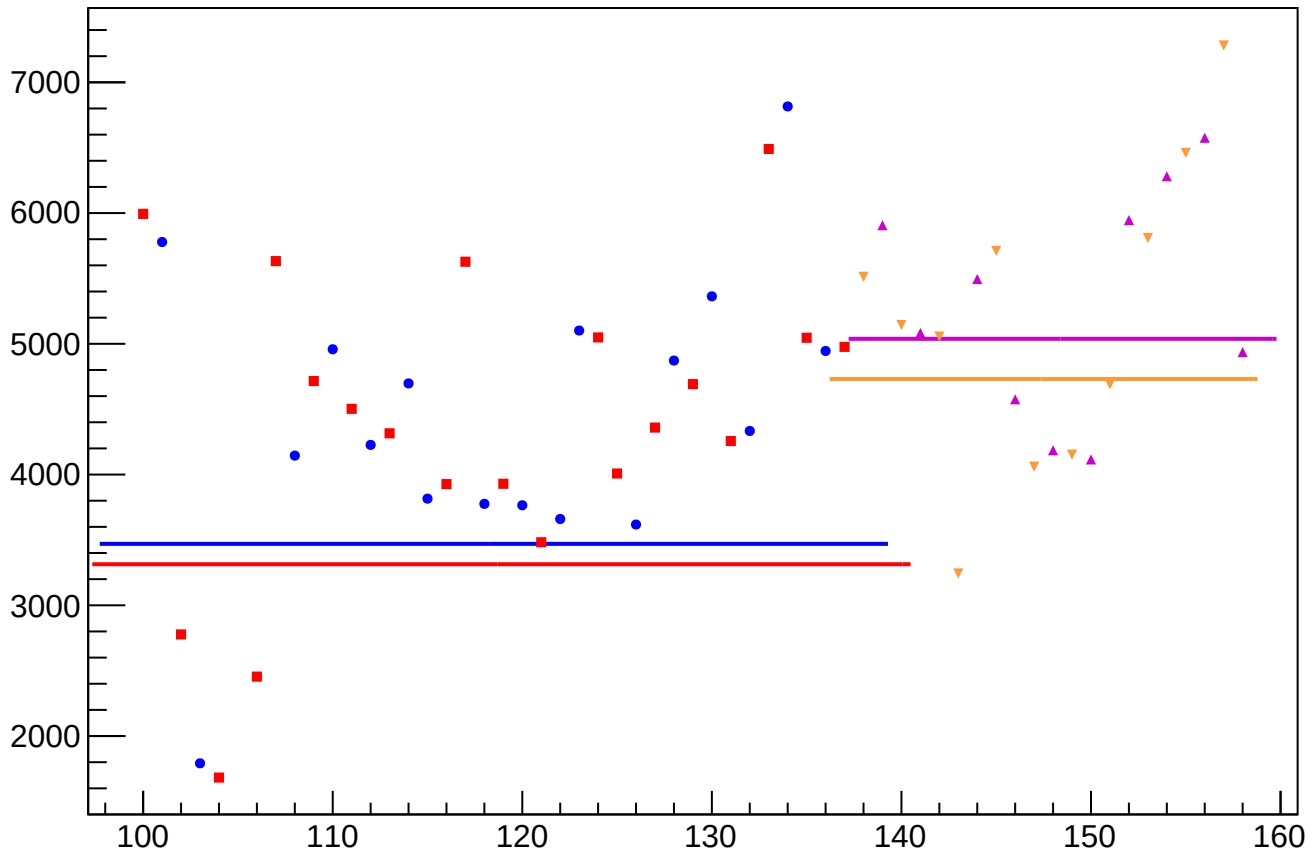
Right Out: -2126.105 $\pm$ 1379.774 χ^2 /NDF: 18.8/19

Left In: -1968.331 $\pm$ 1785.752 χ^2 /NDF:4.3/9

1685.615 $\pm$ 1106.399 χ^2 /NDF: 26.3/27

-2067.125 $\pm$ 1091.831 χ^2 /NDF: 23.1/29

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 3470.042+/-1.027 χ^2/NDF : 1760860.6/16

Left Out: 4730.962+/-1.207 χ^2/NDF : 793462.8/10

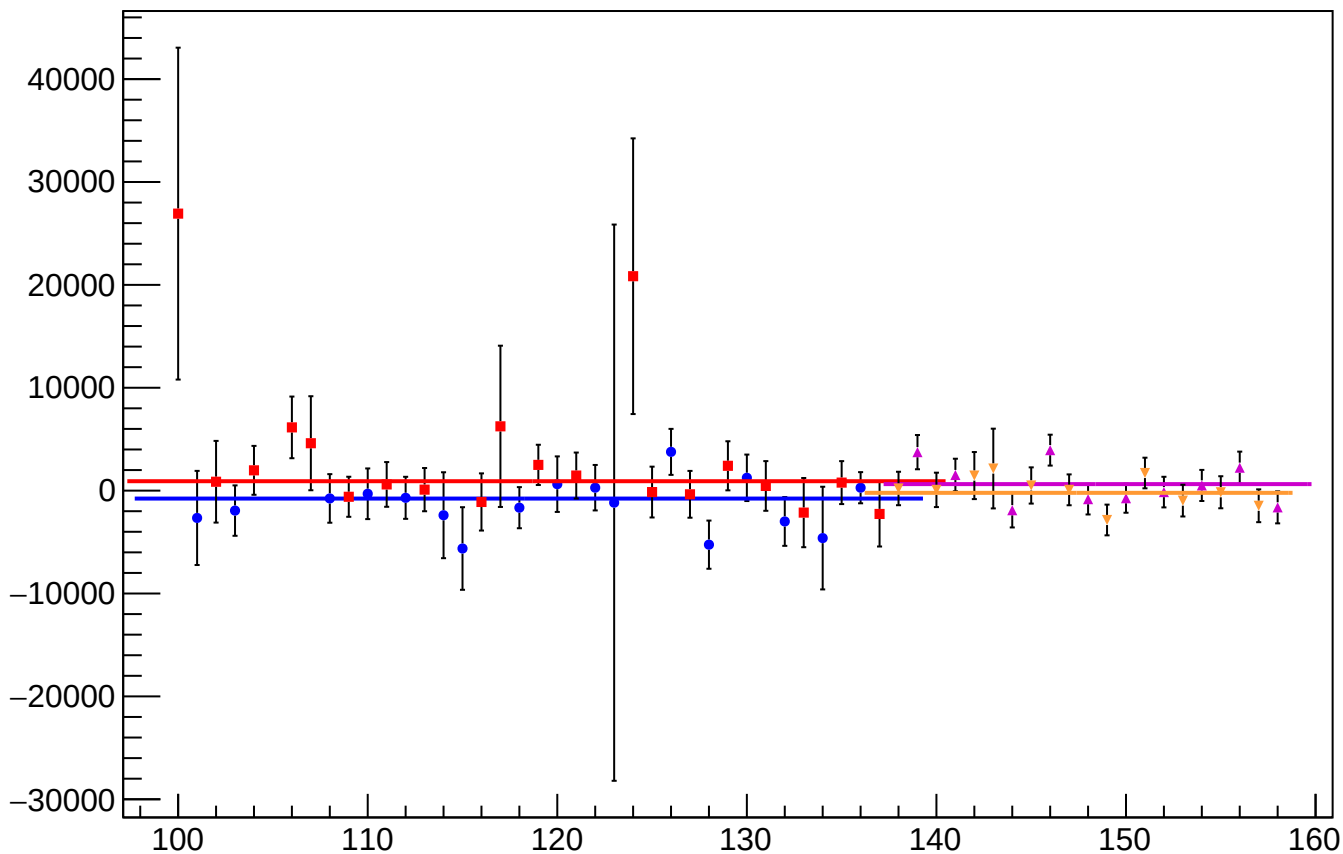
Right Out: 3314.183+/-0.967 χ^2/NDF : 1925484.9/19

Left In: 5038.105+/-1.263 χ^2/NDF : 403610.9/9

3999.497+/-0.782 χ^2/NDF : 3187086.5/27

3951.258+/-0.768 χ^2/NDF : 3504193.7/29

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: -214.327+/-507.267 χ^2/NDF : 6.9/10

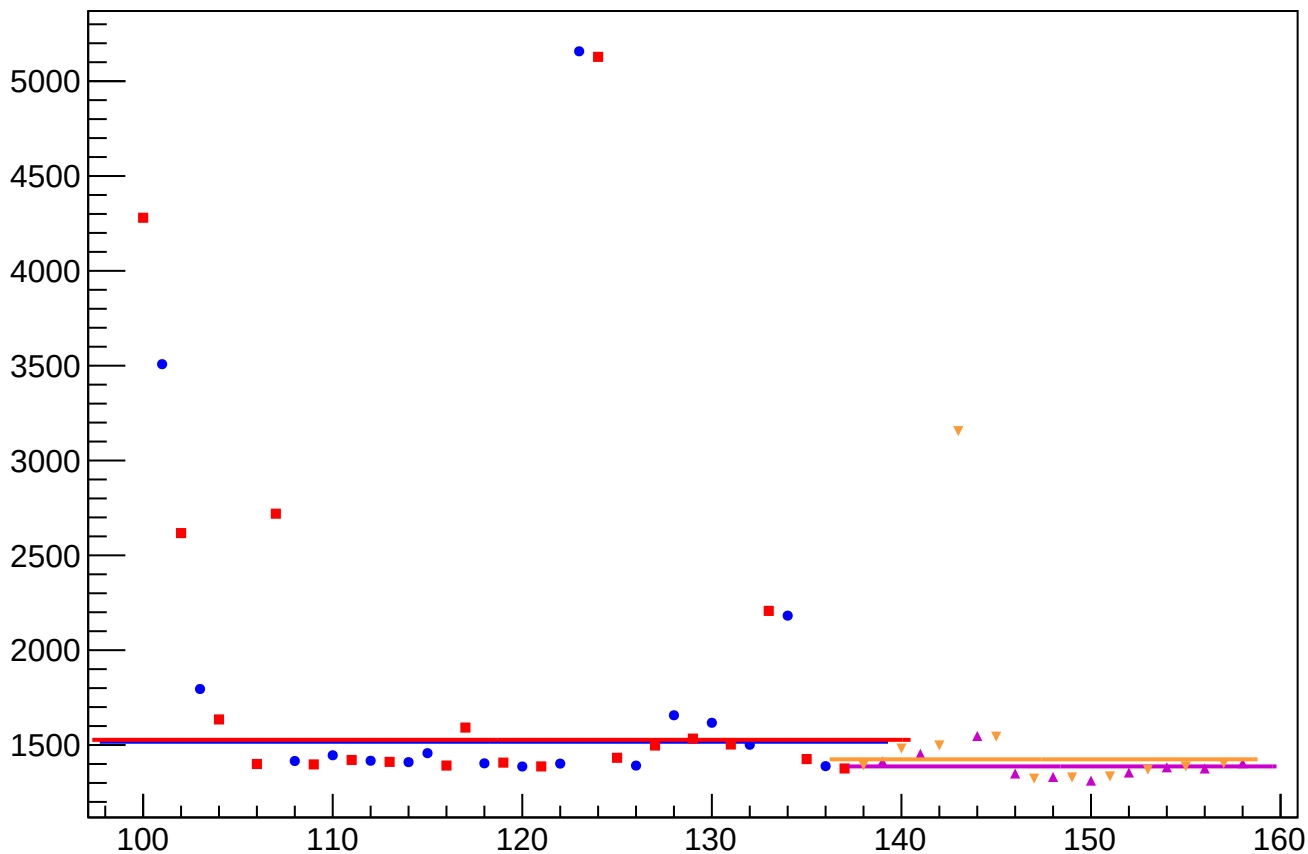
Right Out: 915.893+/-593.346 χ^2/NDF : 14.0/19

Left In: 633.929+/-486.404 χ^2/NDF : 16.3/9

-444.773+/-388.364 χ^2/NDF : 20.7/27

747.256+/-376.164 χ^2/NDF : 30.4/29

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334 ± 0.427 $\chi^2/\text{NDF}: 536662.7/16$

Left Out: 1424.534 ± 0.359 $\chi^2/\text{NDF}: 441750.1/10$

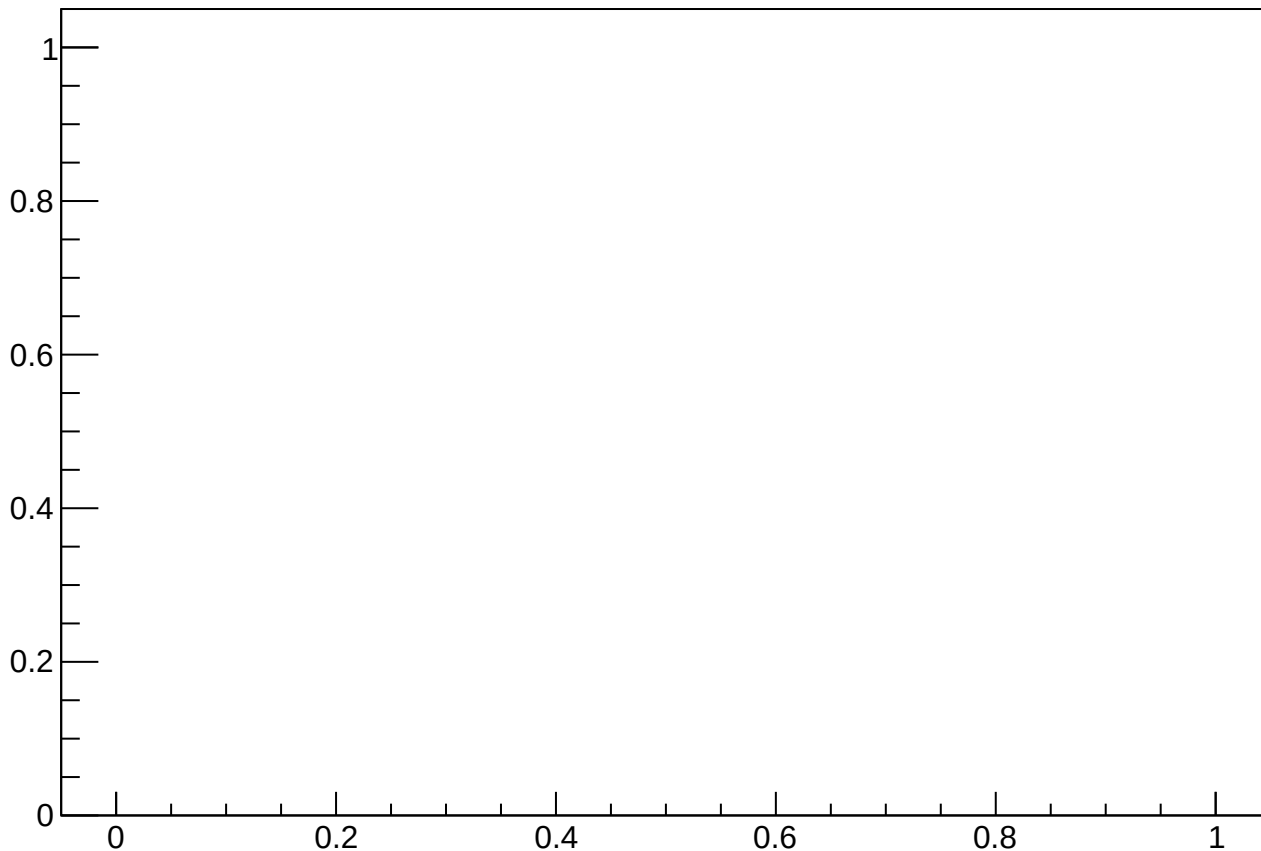
Right Out: 1527.378 ± 0.420 $\chi^2/\text{NDF}: 631820.9/19$

Left In: 1387.140 ± 0.344 $\chi^2/\text{NDF}: 33282.7/9$

1462.940 ± 0.275 $\chi^2/\text{NDF}: 1006114.4/27$

1443.505 ± 0.266 $\chi^2/\text{NDF}: 731923.3/29$

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

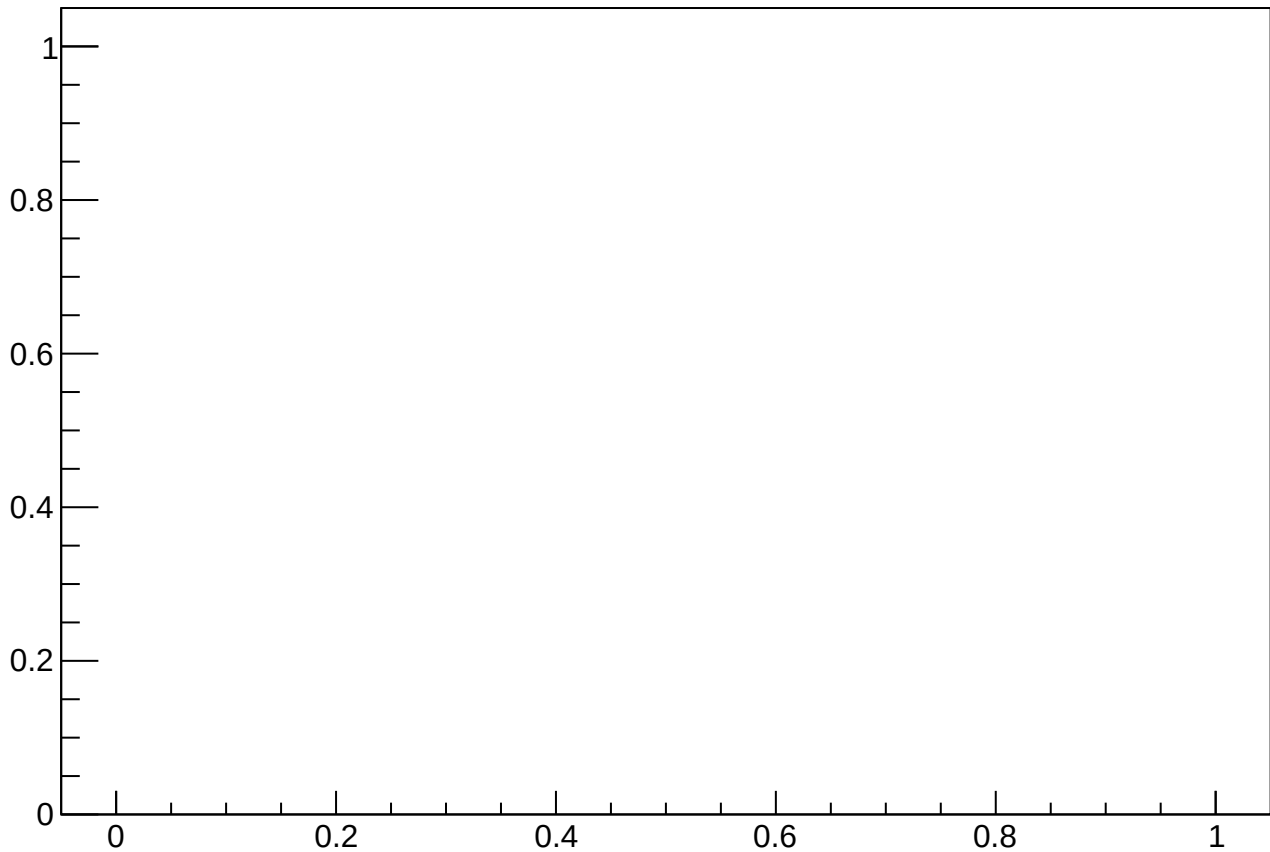
Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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

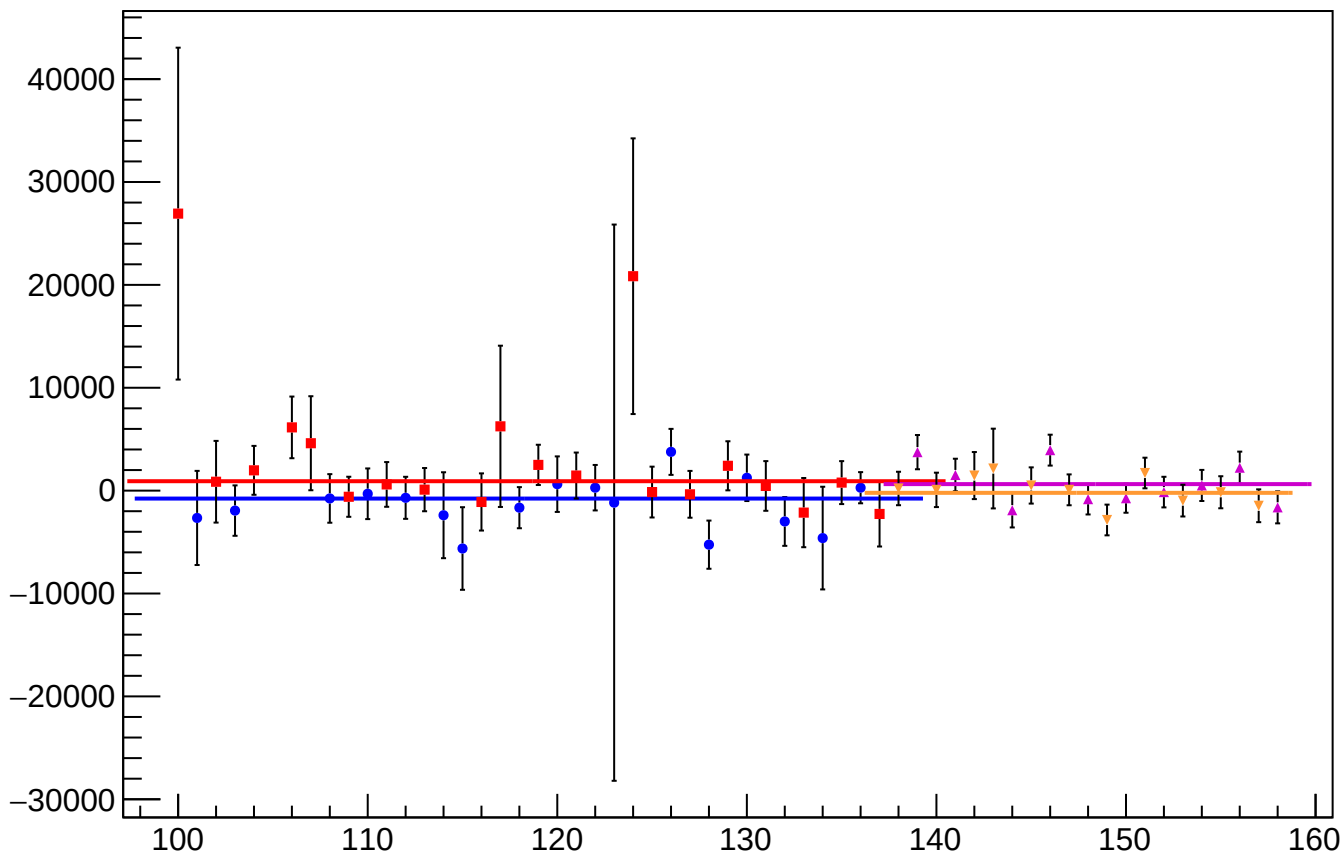
Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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: -214.327+/-507.267 χ^2/NDF : 6.9/10

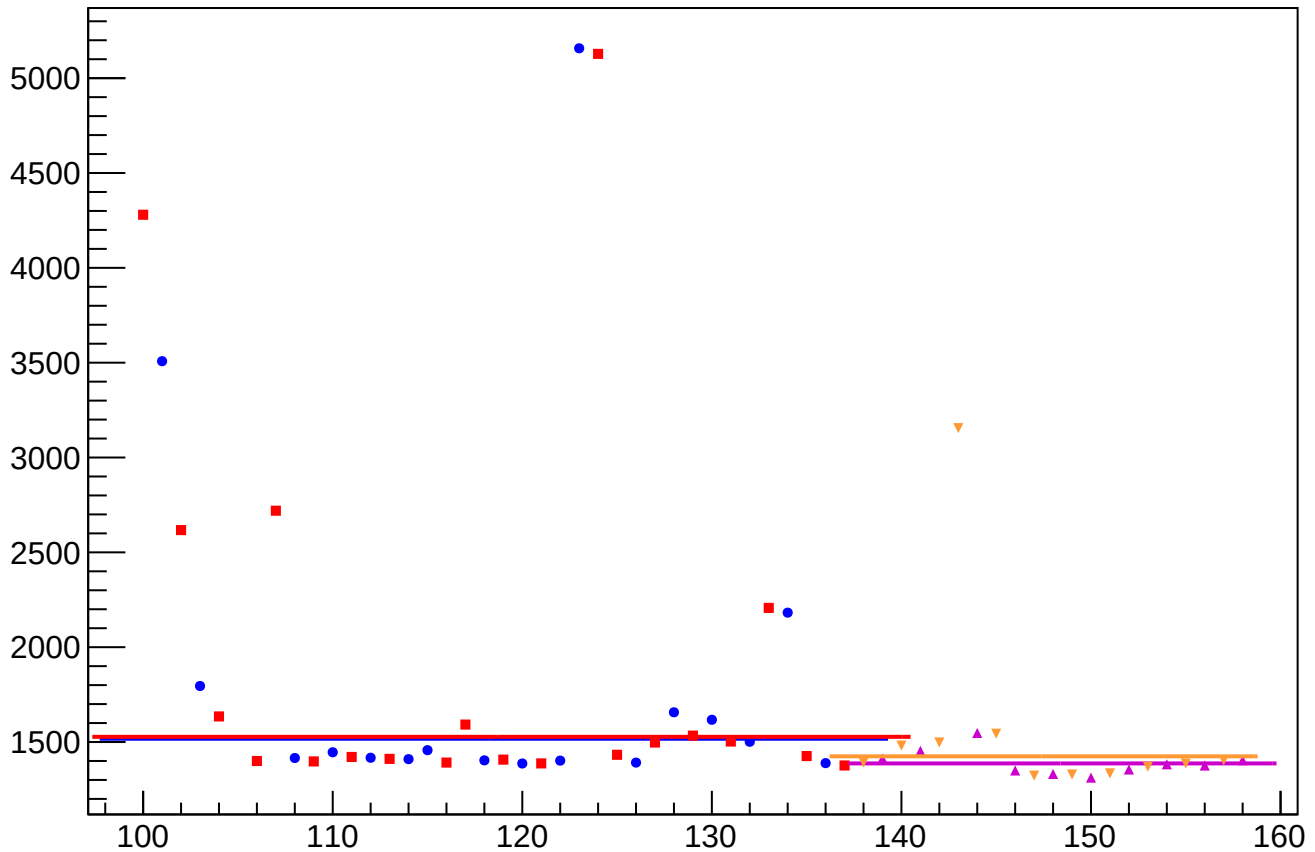
Right Out: 915.893+/-593.346 χ^2/NDF : 14.0/19

Left In: 633.929+/-486.404 χ^2/NDF : 16.3/9

-444.773+/-388.364 χ^2/NDF : 20.7/27

747.256+/-376.164 χ^2/NDF : 30.4/29

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1424.534+/-0.359 χ^2/NDF : 441750.1/10

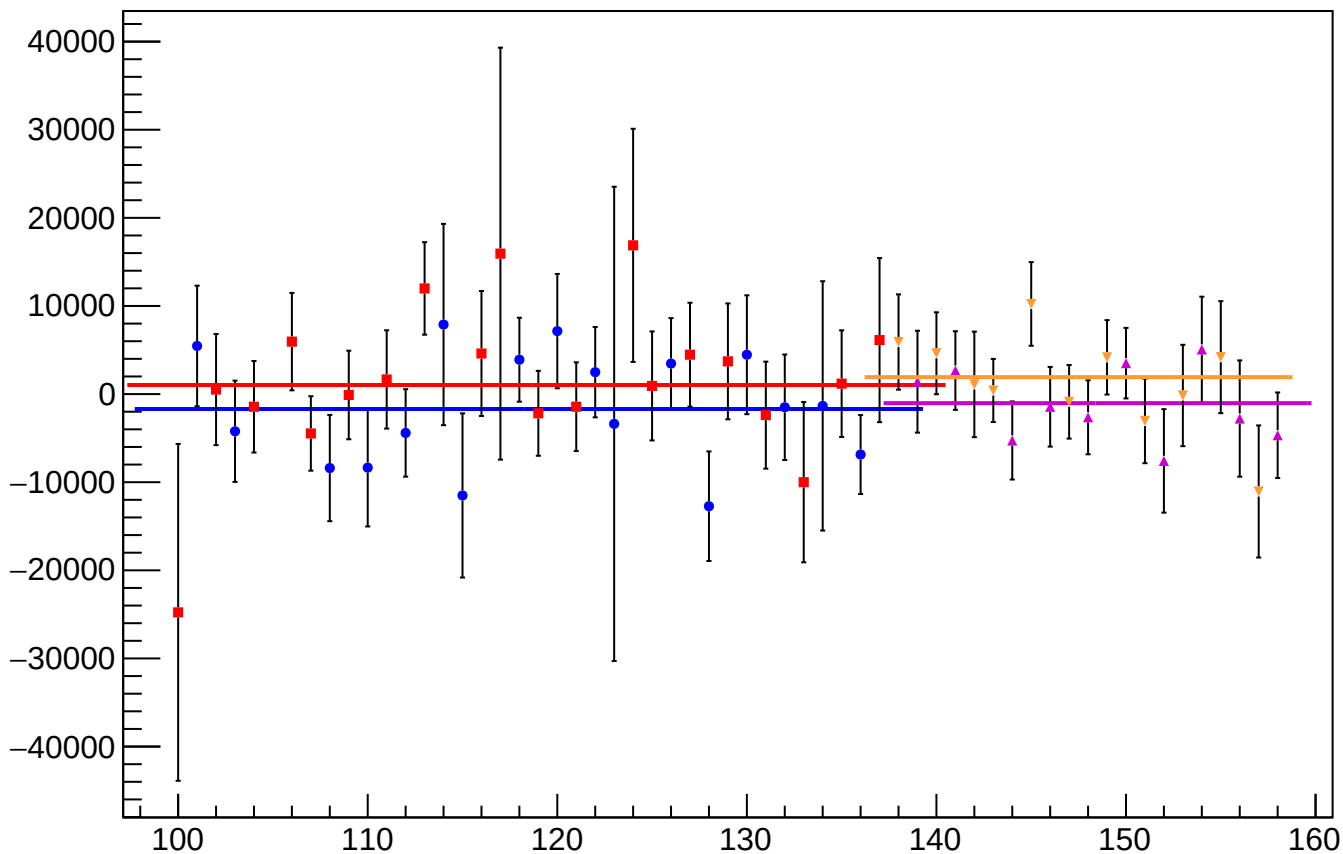
Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

Left In: 1387.140+/-0.344 χ^2/NDF : 33282.7/9

1462.940+/-0.275 χ^2/NDF : 1006114.4/27

1443.505+/-0.266 χ^2/NDF : 731923.3/29

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -1692.604 +/- 1512.935 χ^2 /NDF: 15.8/16

Left Out: 1924.665 +/- 1473.845 χ^2 /NDF: 9.2/10

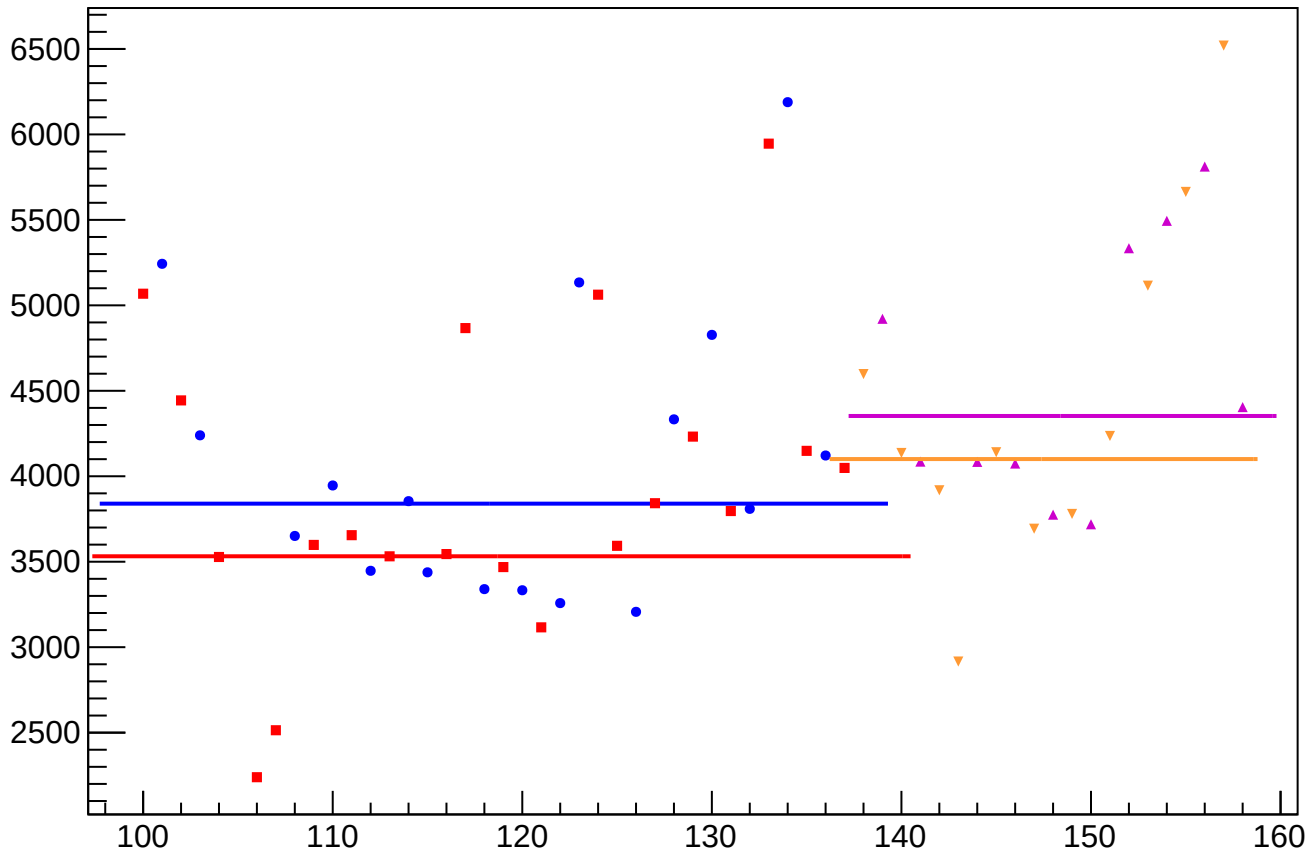
Right Out: 1029.768 +/- 1376.481 χ^2 /NDF: 14.3/19

Left In: -1028.305 +/- 1540.196 χ^2 /NDF: 6.1/9

163.365 +/- 1055.715 χ^2 /NDF: 28.0/27

115.890 +/- 1026.337 χ^2 /NDF: 21.5/29

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 4100.640+/-1.042 χ^2/NDF : 661451.5/10

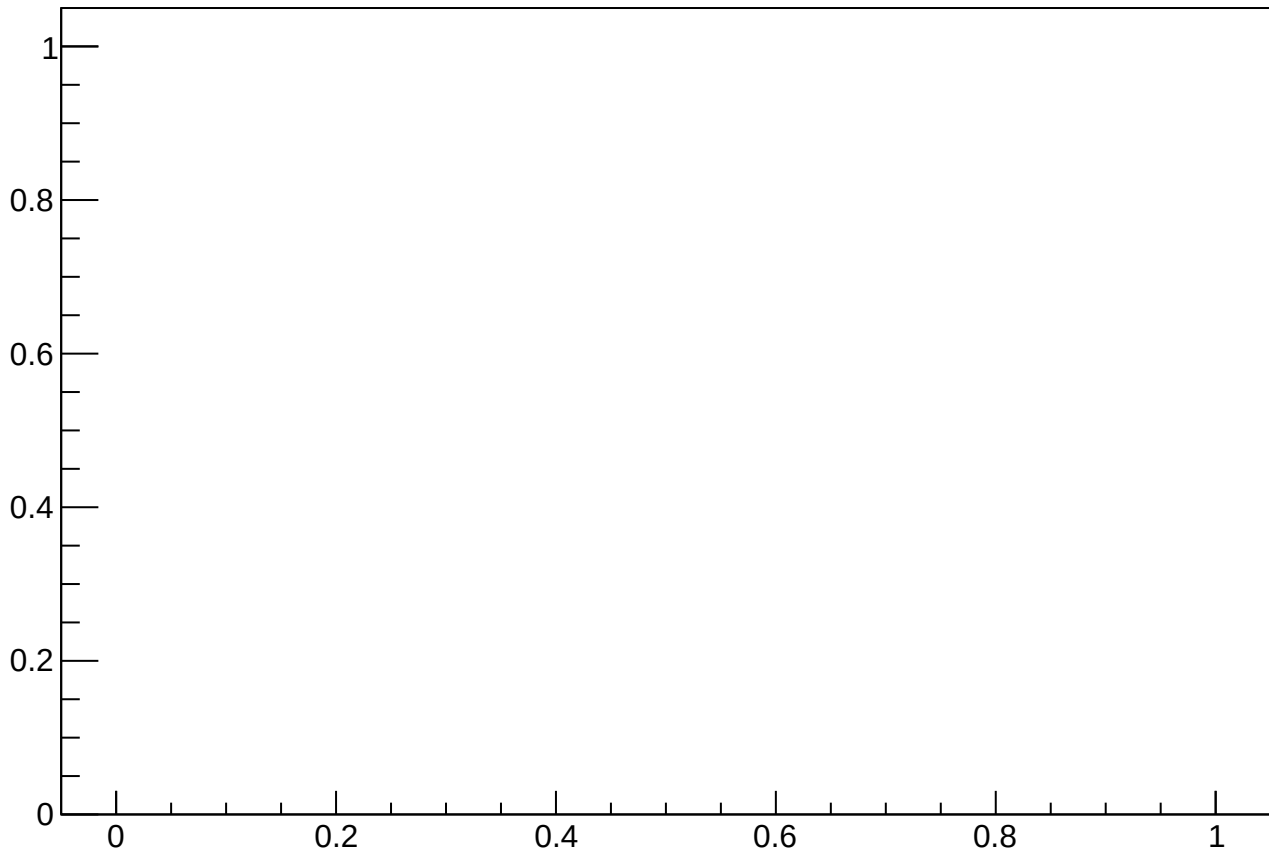
Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

Left In: 4352.699+/-1.089 χ^2/NDF : 356008.8/9

3973.606+/-0.746 χ^2/NDF : 1017924.7/27

3892.678+/-0.722 χ^2/NDF : 1235688.5/29

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

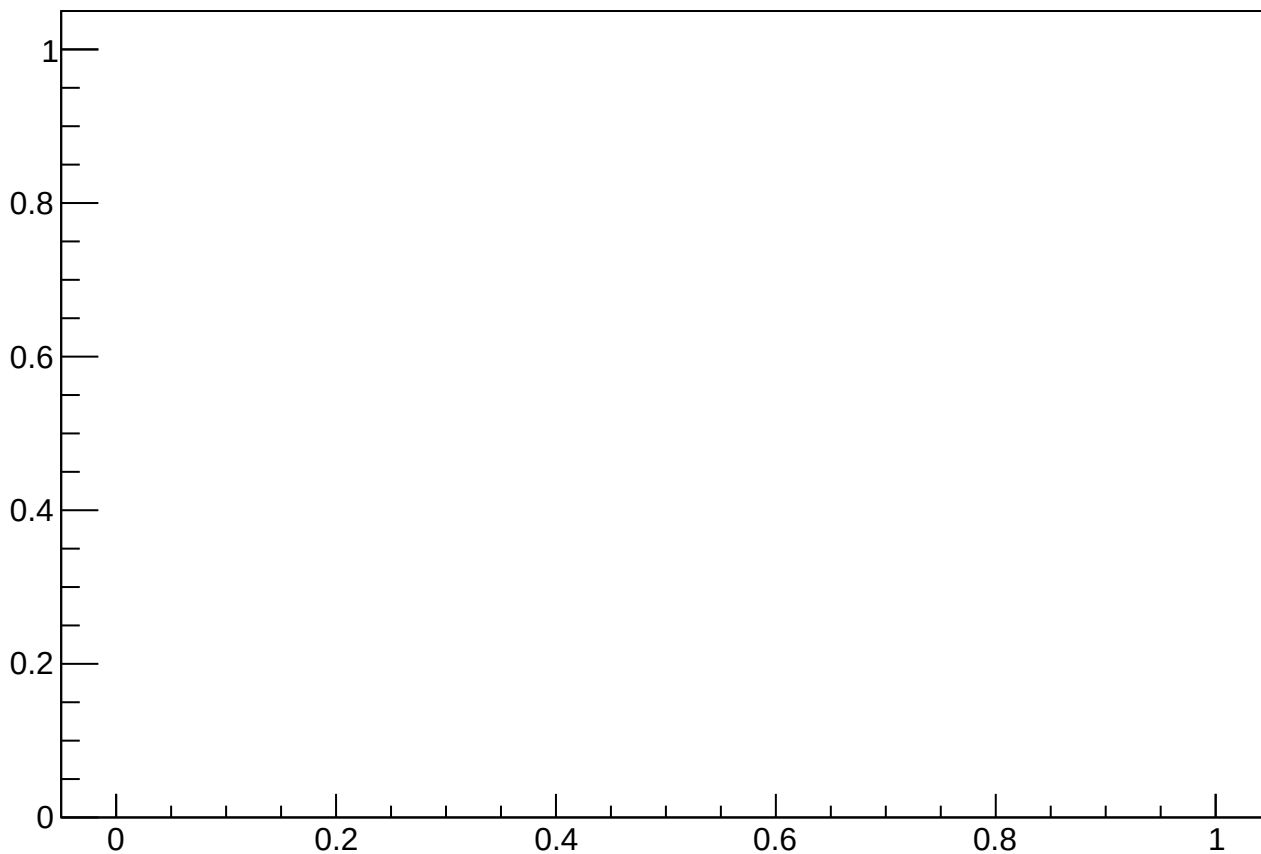
Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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

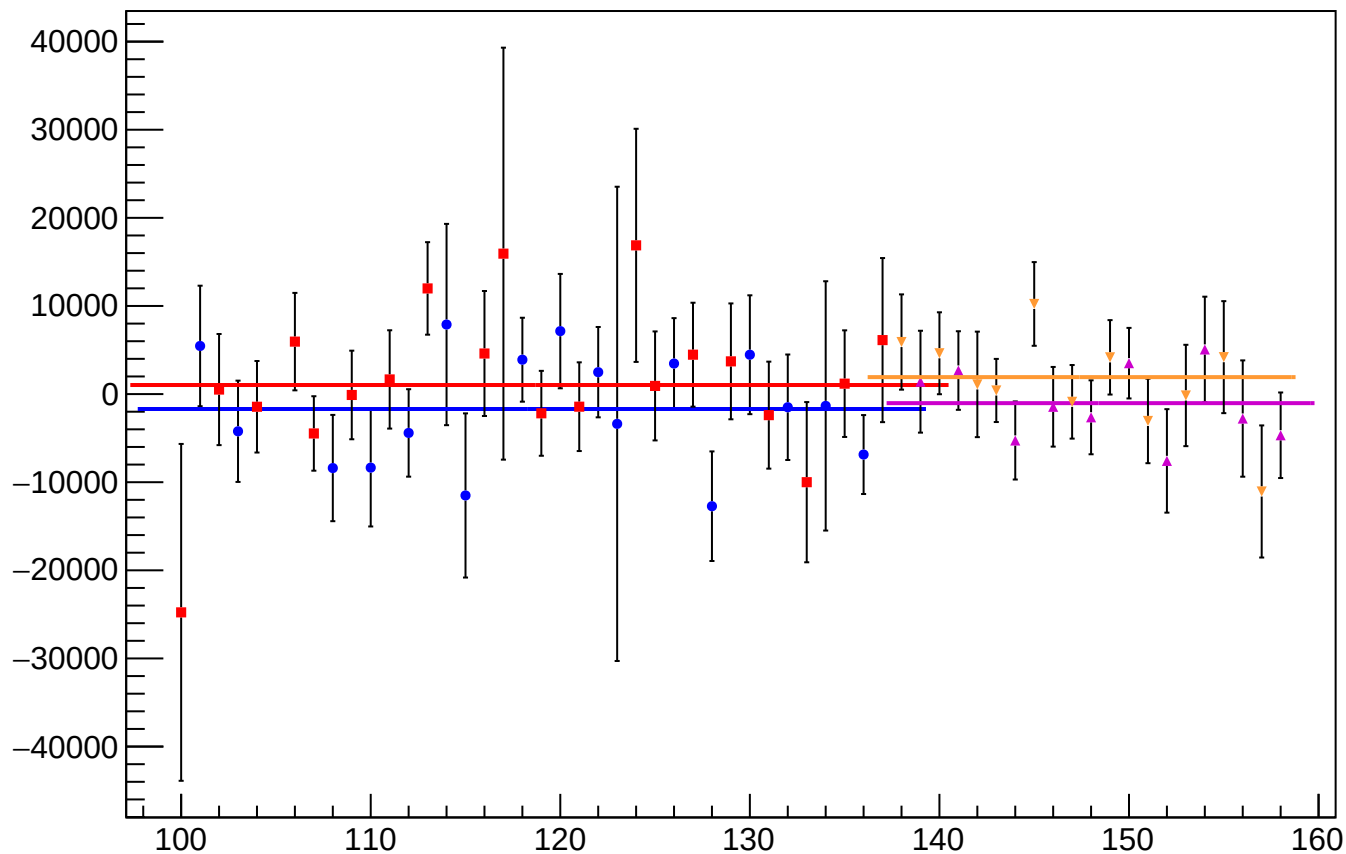
Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: 1924.665 $\pm$ 1473.845 χ^2 /NDF: 9.2/10

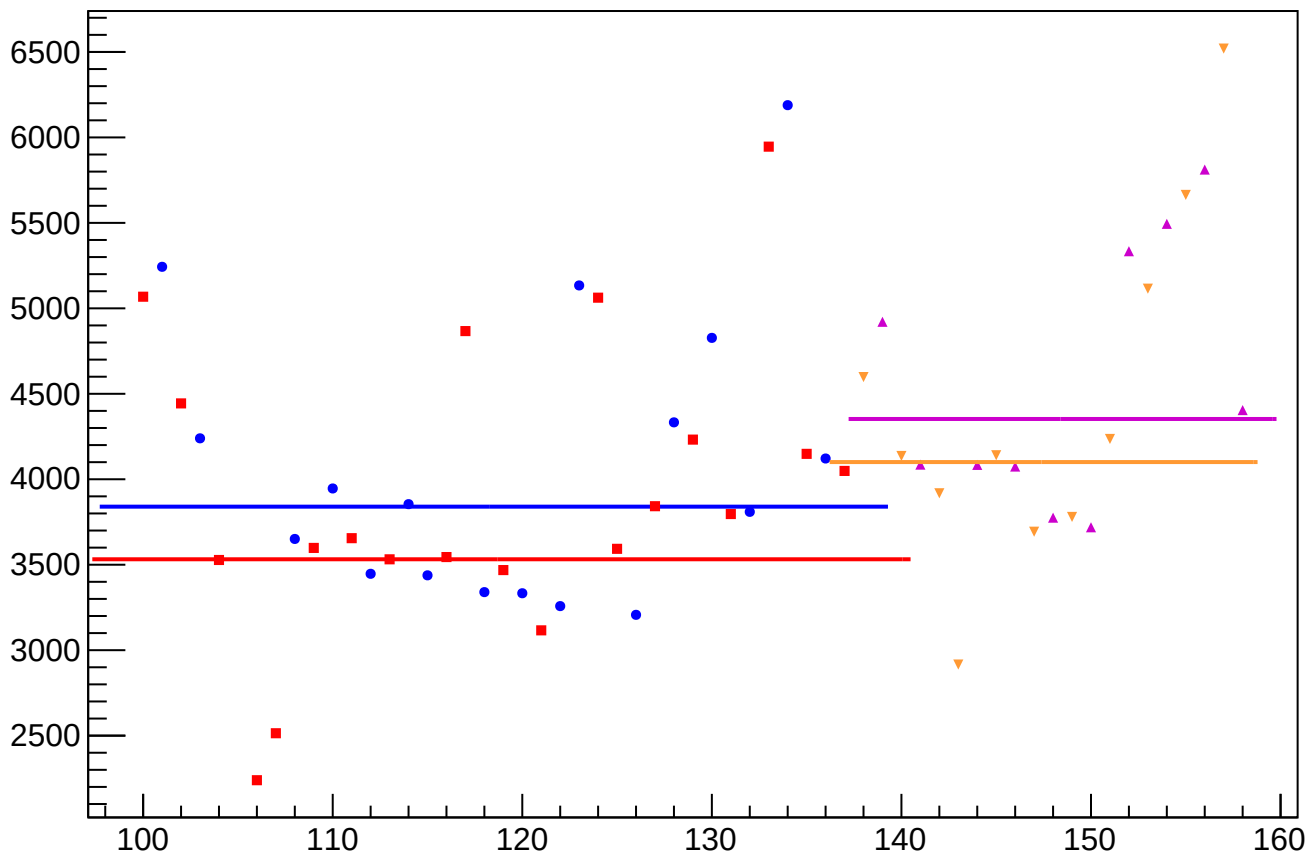
Right Out: 1029.768 $\pm$ 1376.481 χ^2 /NDF: 14.3/19

Left In: -1028.305 $\pm$ 1540.196 χ^2 /NDF: 6.1/9

163.365 $\pm$ 1055.715 χ^2 /NDF: 28.0/27

115.890 $\pm$ 1026.337 χ^2 /NDF: 21.5/29

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 4100.640+/-1.042 χ^2/NDF : 661451.5/10

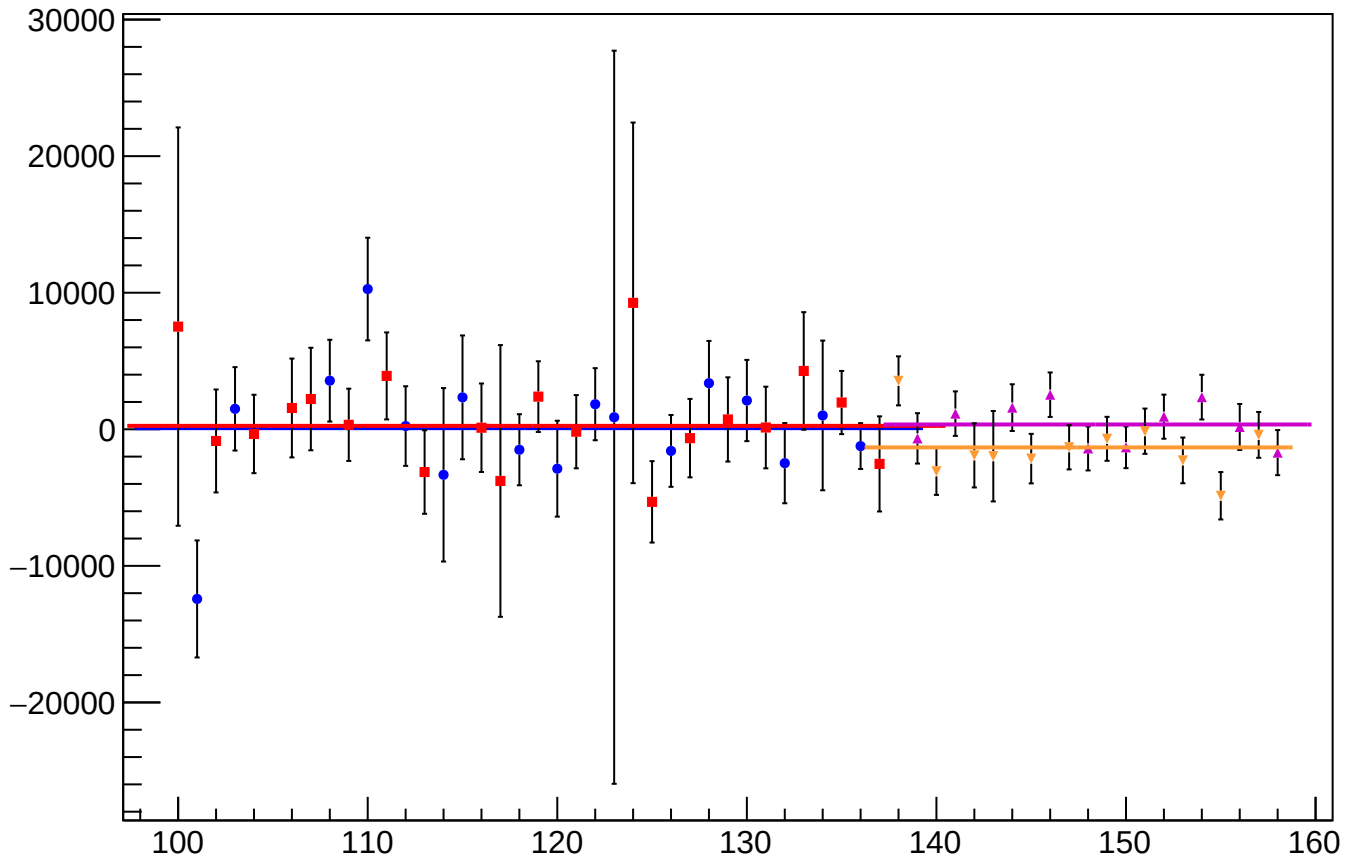
Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

Left In: 4352.699+/-1.089 χ^2/NDF : 356008.8/9

3973.606+/-0.746 χ^2/NDF : 1017924.7/27

3892.678+/-0.722 χ^2/NDF : 1235688.5/29

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 83.860+/-750.549 χ^2/NDF : 22.9/16

Left Out: -1326.635+/-542.624 χ^2/NDF : 14.2/10

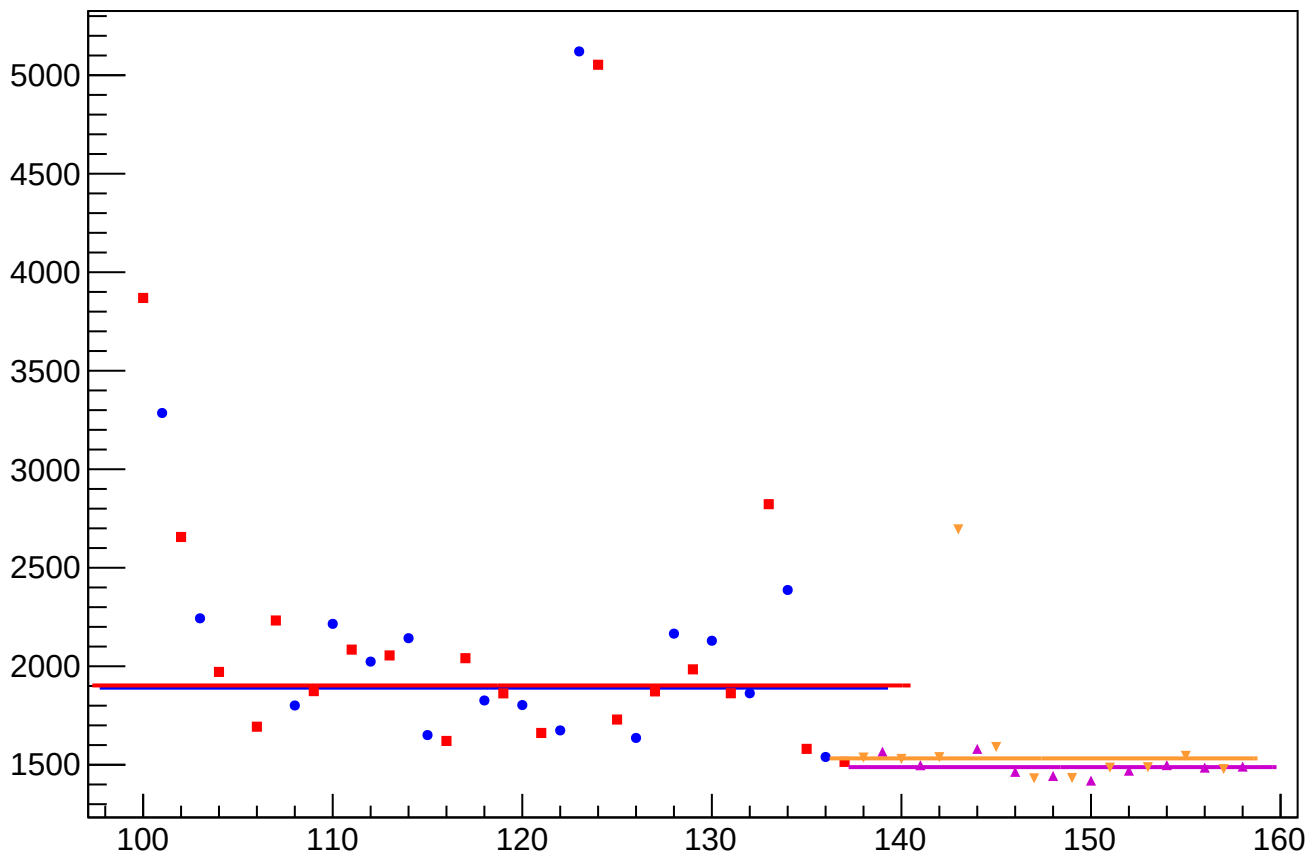
Right Out: 250.743+/-732.124 χ^2/NDF : 10.3/19

Left In: 352.231+/-521.388 χ^2/NDF : 8.4/9

-842.461+/-439.738 χ^2/NDF : 39.4/27

318.080+/-424.698 χ^2/NDF : 18.8/29

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492+/-0.531 χ^2 /NDF: 464497.5/16

Left Out: 1532.456+/-0.384 χ^2 /NDF: 269159.9/10

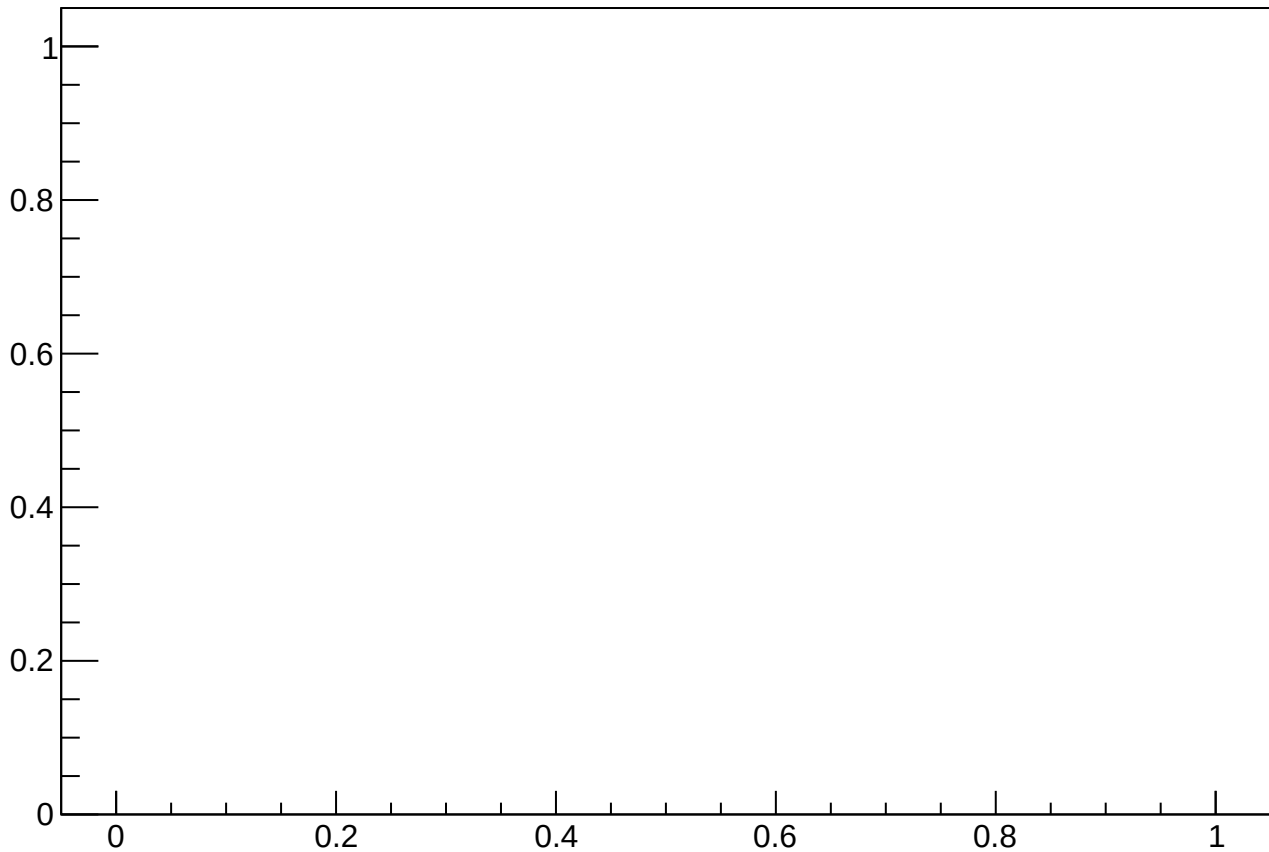
Right Out: 1902.551+/-0.518 χ^2 /NDF: 461077.0/19

Left In: 1488.125+/-0.369 χ^2 /NDF: 15874.9/9

1655.702+/-0.311 χ^2 /NDF: 1034225.4/27

1627.584+/-0.300 χ^2 /NDF: 902161.1/29

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

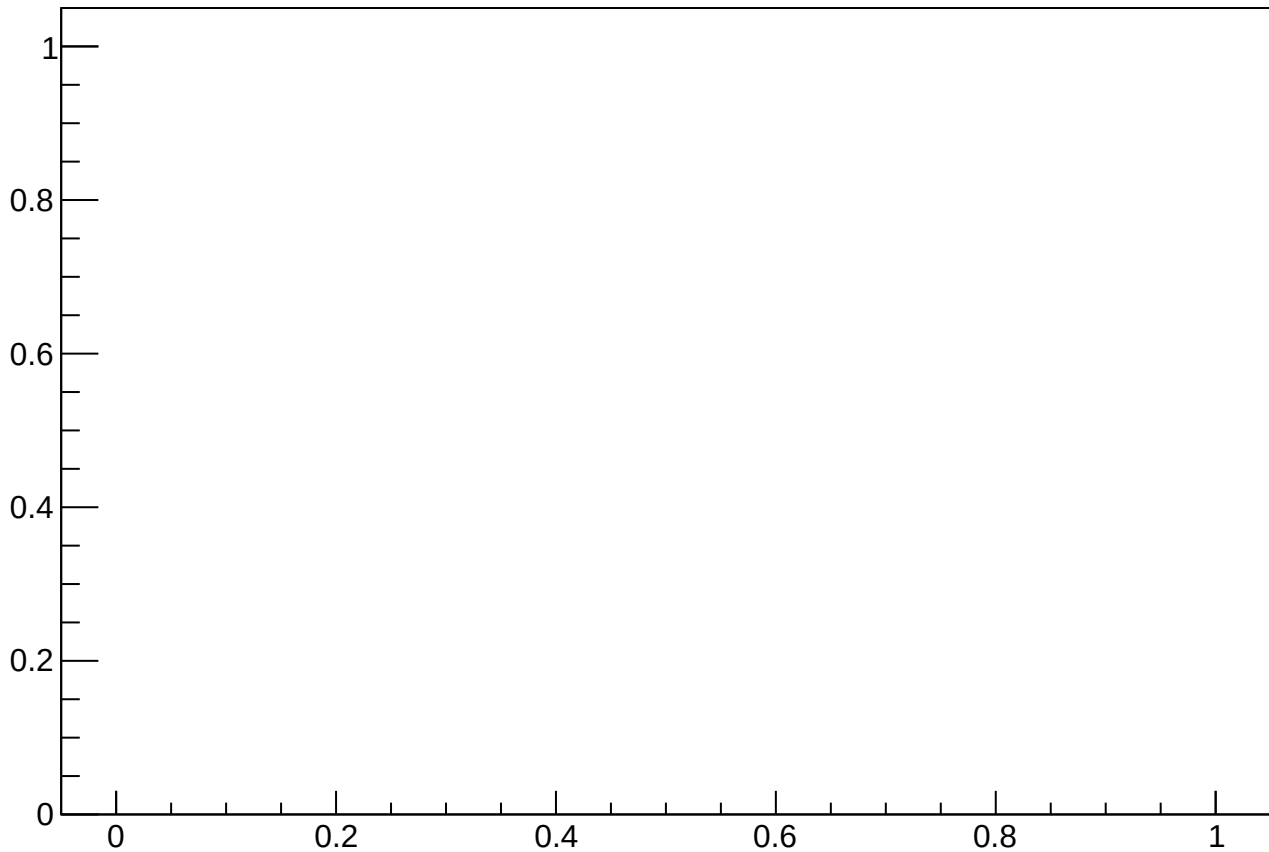
Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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

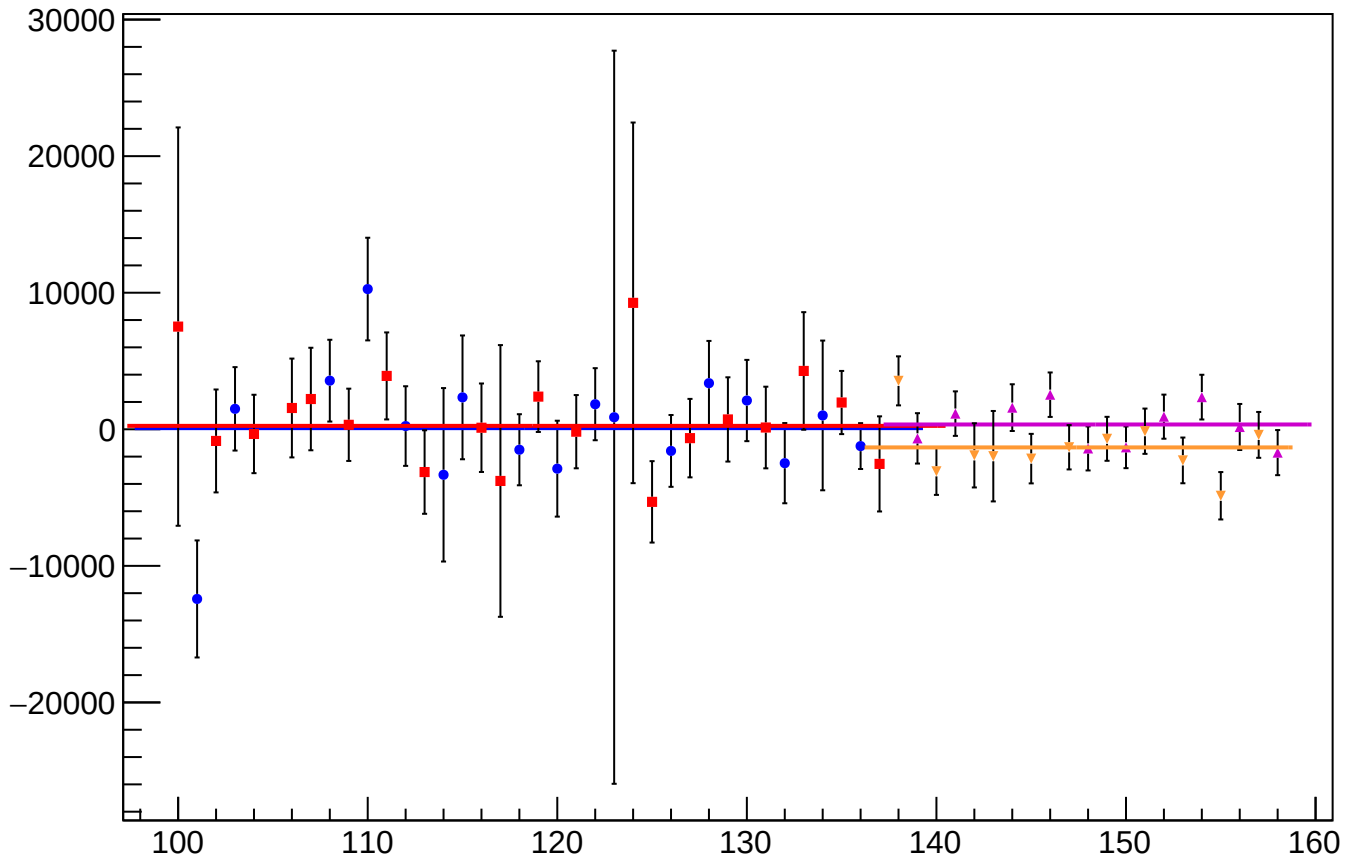
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: -1326.635+/-542.624 χ^2/NDF :14.2/10

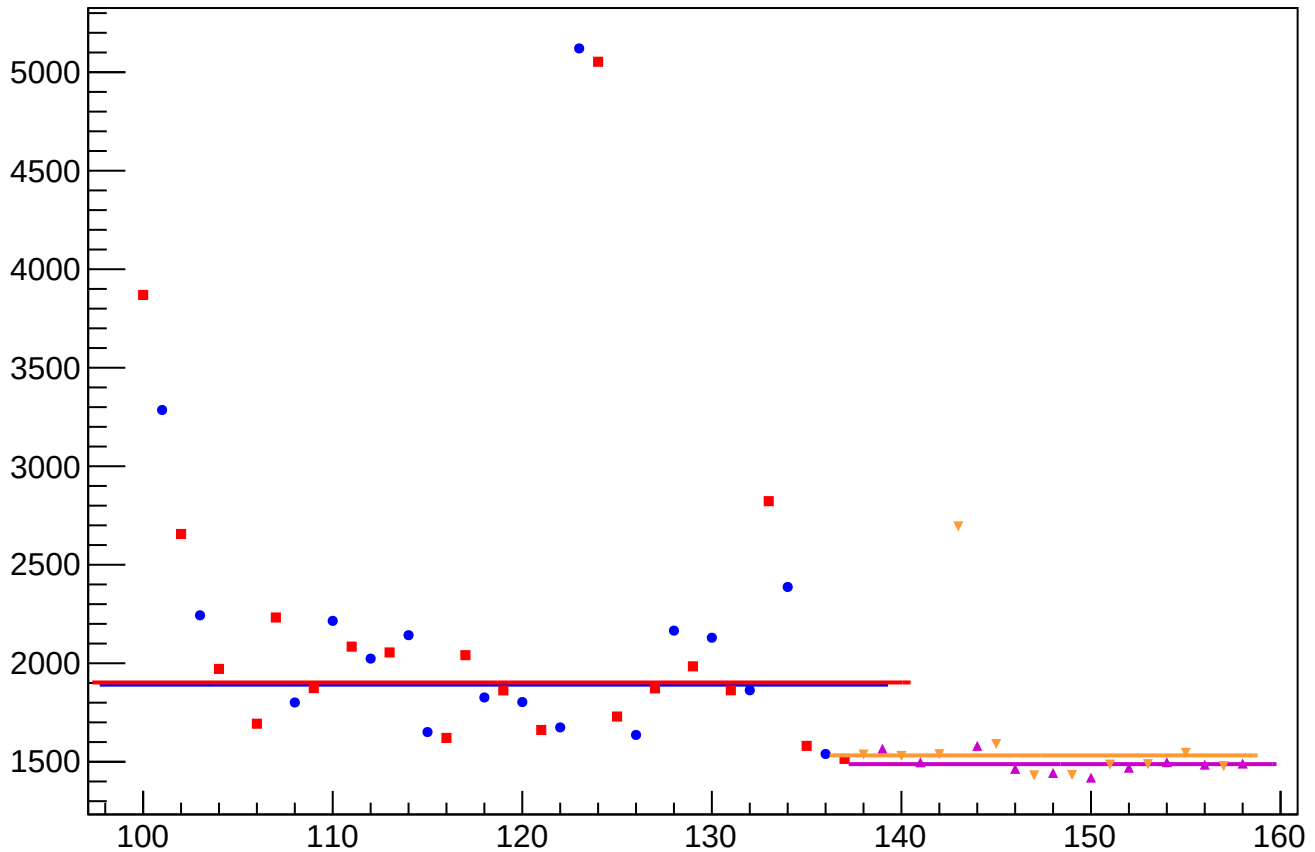
Right Out: 250.743+/-732.124 χ^2/NDF : 10.3/19

Left In: 352.231+/-521.388 χ^2/NDF :8.4/9

-842.461+/-439.738 χ^2/NDF : 39.4/27

318.080+/-424.698 χ^2/NDF : 18.8/29

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1891.492+/-0.531 χ^2 /NDF: 464497.5/16

Left Out: 1532.456+/-0.384 χ^2 /NDF: 269159.9/10

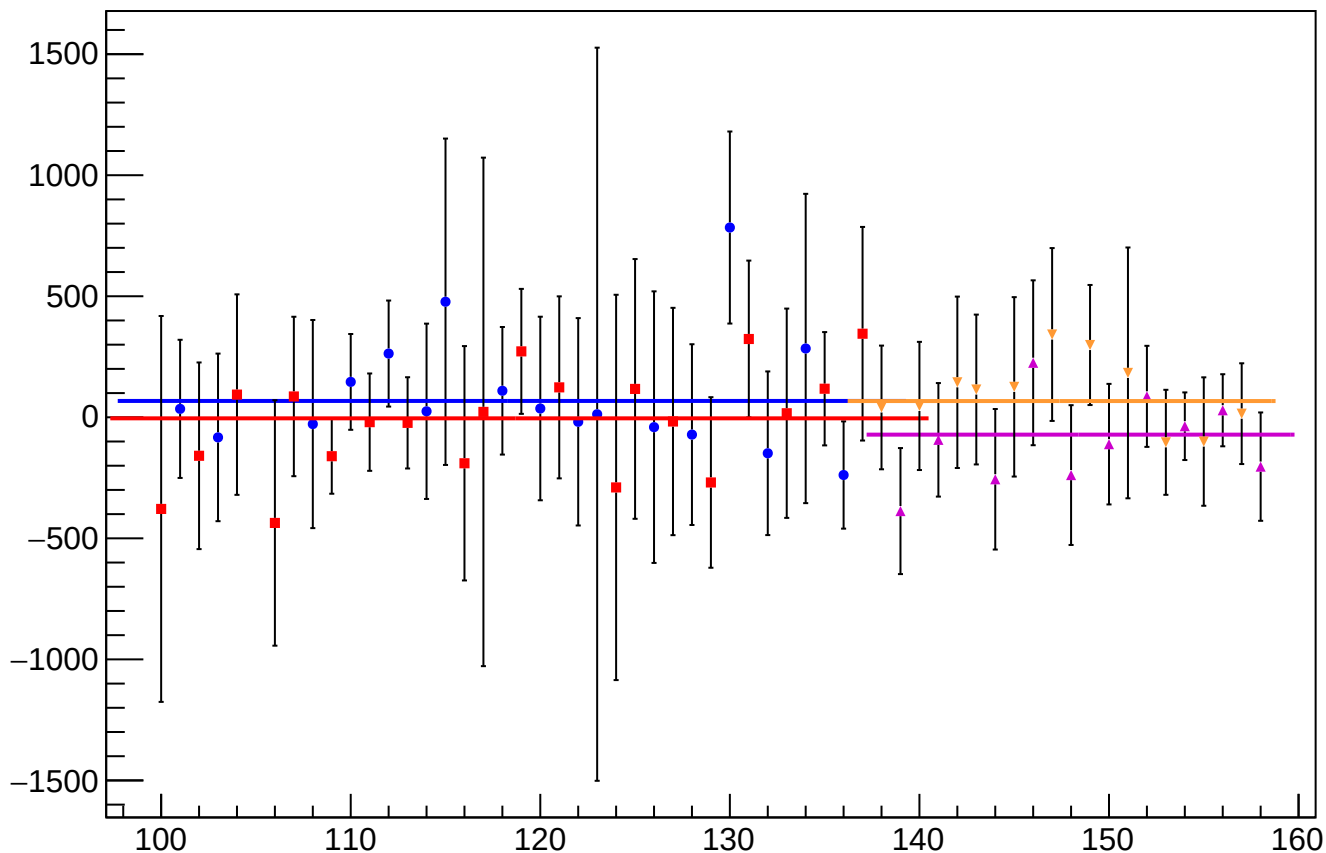
Right Out: 1902.551+/-0.518 χ^2 /NDF: 461077.0/19

Left In: 1488.125+/-0.369 χ^2 /NDF: 15874.9/9

1655.702+/-0.311 χ^2 /NDF: 1034225.4/27

1627.584+/-0.300 χ^2 /NDF: 902161.1/29

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug



Right In: 67.542 $\pm$ 79.608 χ^2/NDF : 7.5/16

Left Out: 67.094 $\pm$ 84.014 χ^2/NDF : 2.7/10

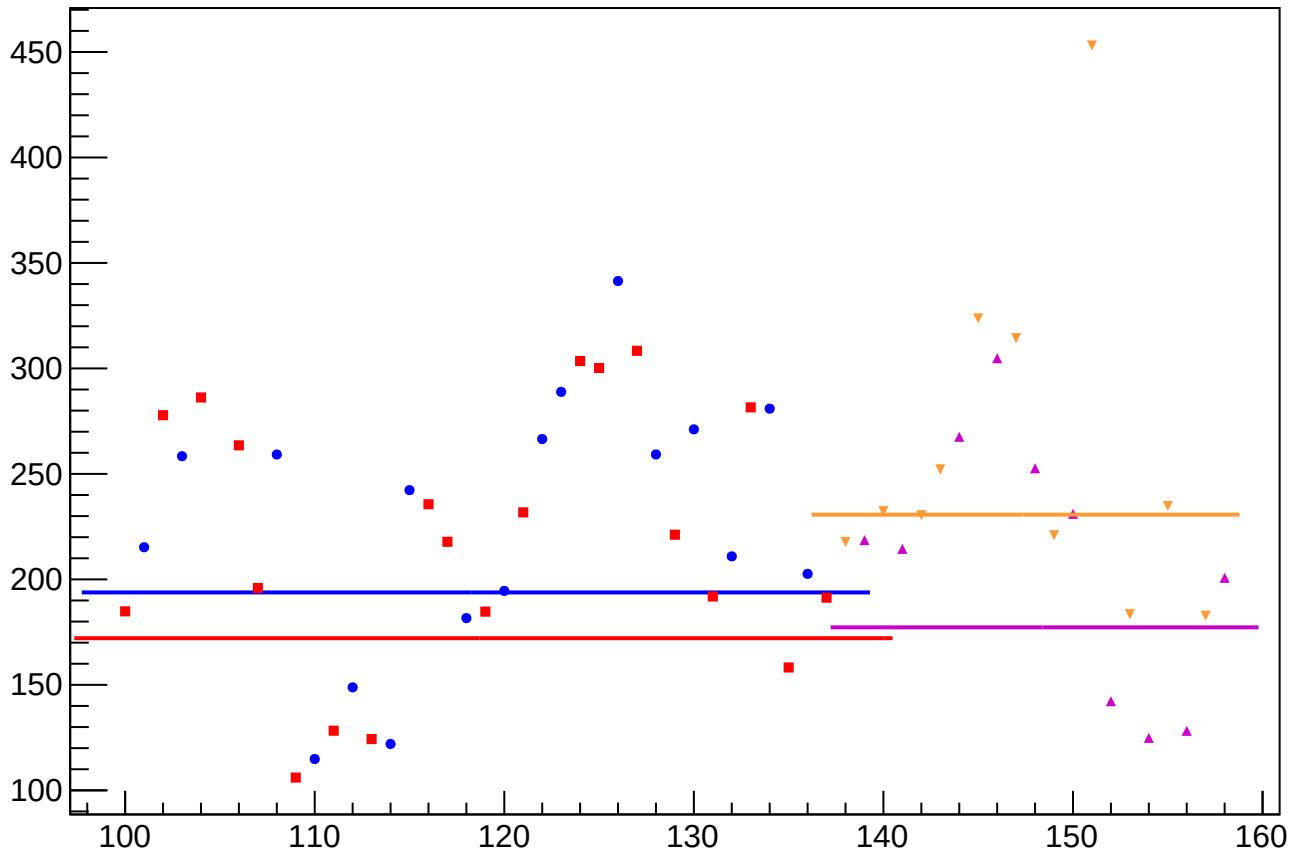
Right Out: -4.305 $\pm$ 69.854 χ^2/NDF : 6.4/19

Left In: -71.643 $\pm$ 67.289 χ^2/NDF : 4.4/9

67.330 $\pm$ 57.786 χ^2/NDF : 10.2/27

-39.233 $\pm$ 48.462 χ^2/NDF : 11.3/29

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: 230.693 +/- 0.059 χ^2/NDF : 823433.3/10

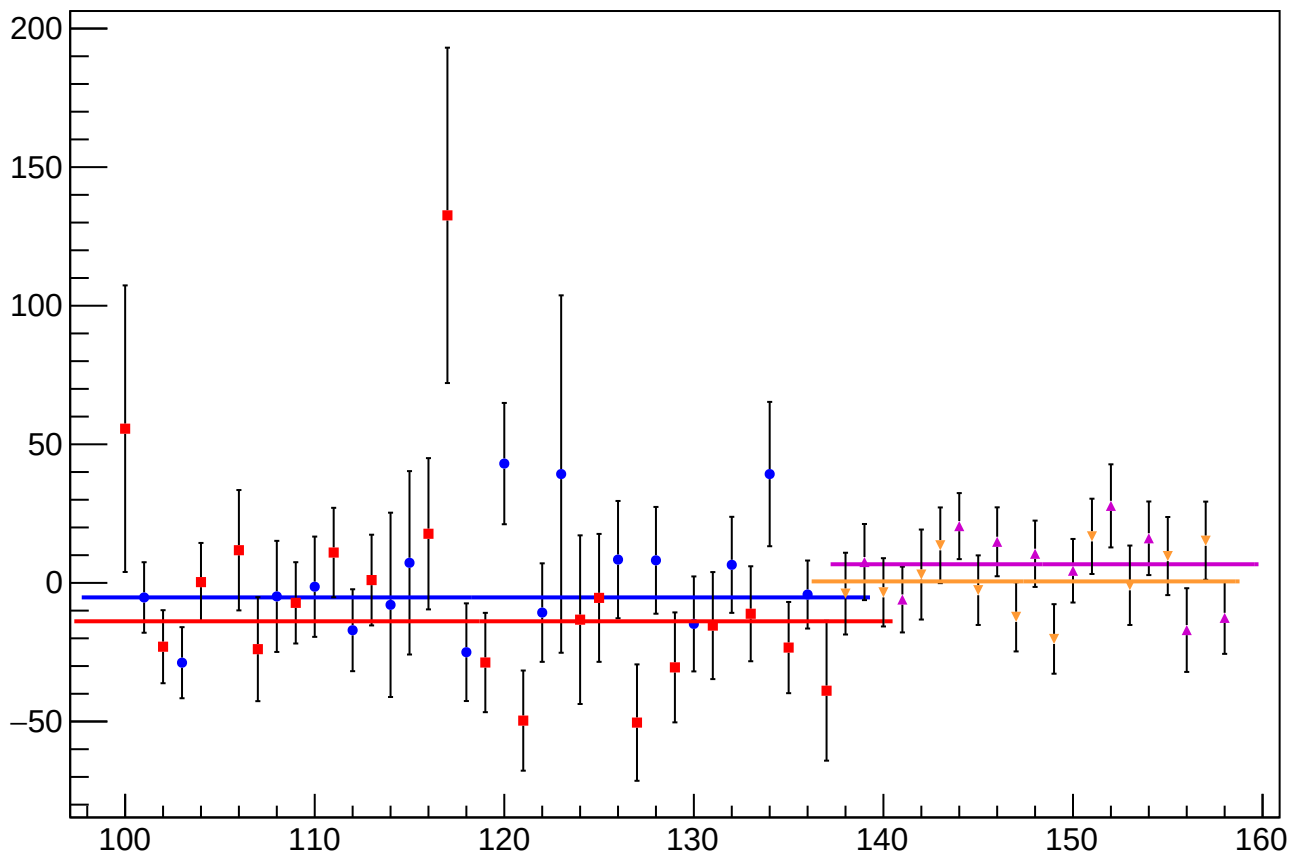
Right Out: 172.123 +/- 0.049 χ^2/NDF : 1580879.9/19

Left In: 177.263 +/- 0.048 χ^2/NDF : 1381781.9/9

211.262 +/- 0.041 χ^2/NDF : 2036800.0/27

174.789 +/- 0.034 χ^2/NDF : 2968278.2/29

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: 0.543 ± 4.089 $\chi^2/\text{NDF}: 7.9/10$

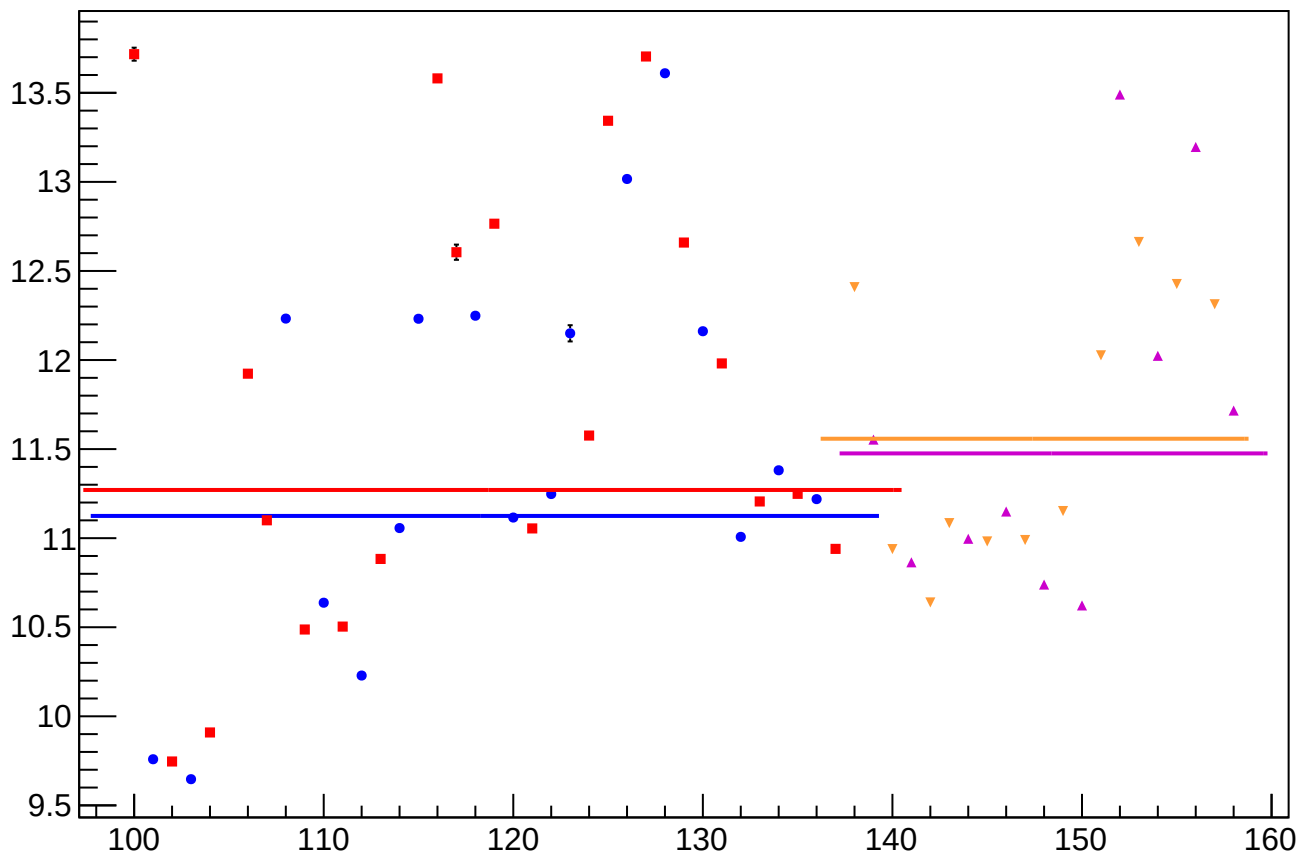
Right Out: -13.851 ± 4.255 $\chi^2/\text{NDF}: 25.4/19$

Left In: 6.725 ± 4.051 $\chi^2/\text{NDF}: 10.2/9$

-2.161 ± 2.981 $\chi^2/\text{NDF}: 24.4/27$

-3.059 ± 2.934 $\chi^2/\text{NDF}: 47.9/29$

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: 11.558+/-0.003 χ^2/NDF : 58586.3/10

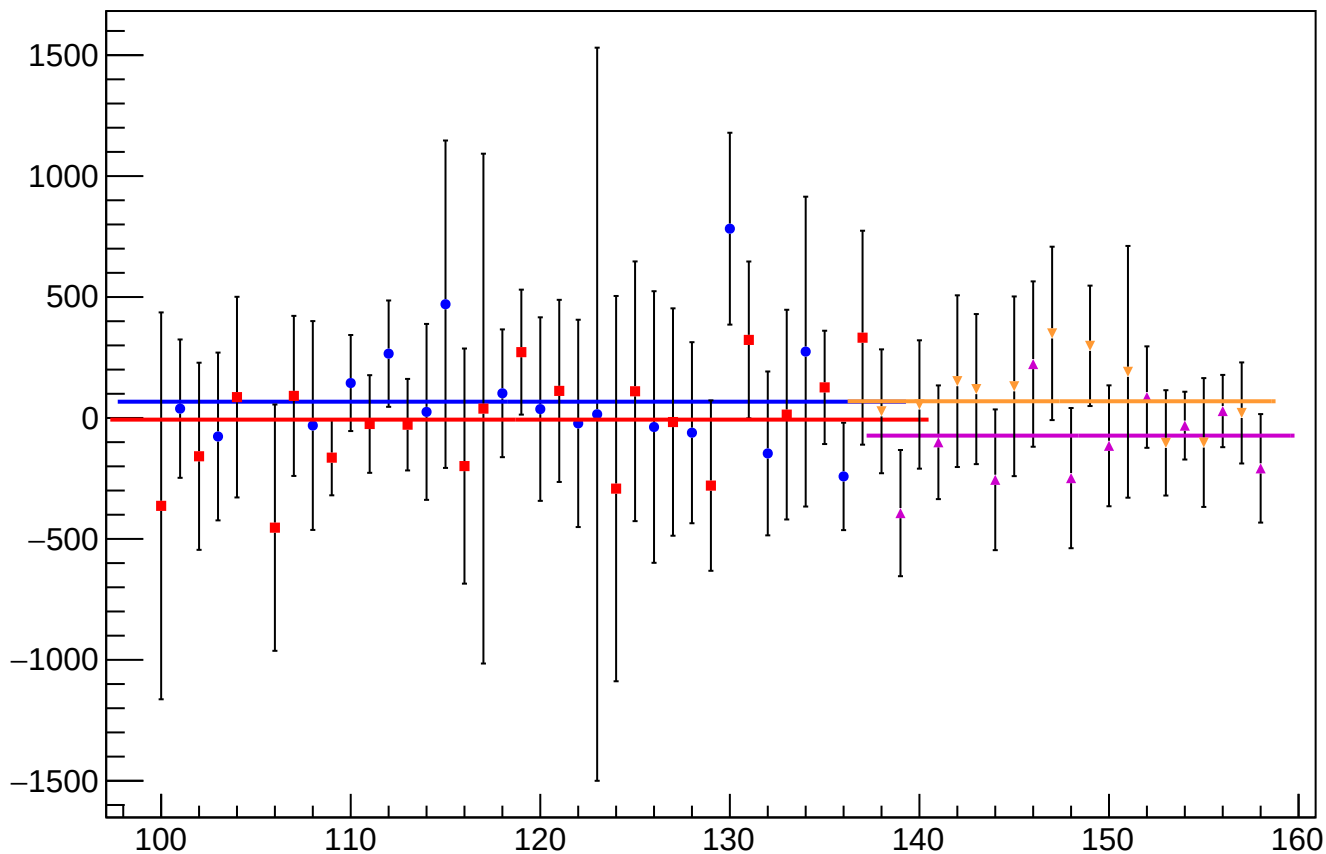
Right Out: 11.271+/-0.003 χ^2/NDF : 148711.4/19

Left In: 11.476+/-0.003 χ^2/NDF : 94783.1/9

11.355+/-0.002 χ^2/NDF : 201632.1/27

11.378+/-0.002 χ^2/NDF : 245935.0/29

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug



Right In: 67.305+/-79.817 χ^2/NDF : 7.5/16

Left Out: 69.103+/-84.291 χ^2/NDF : 2.7/10

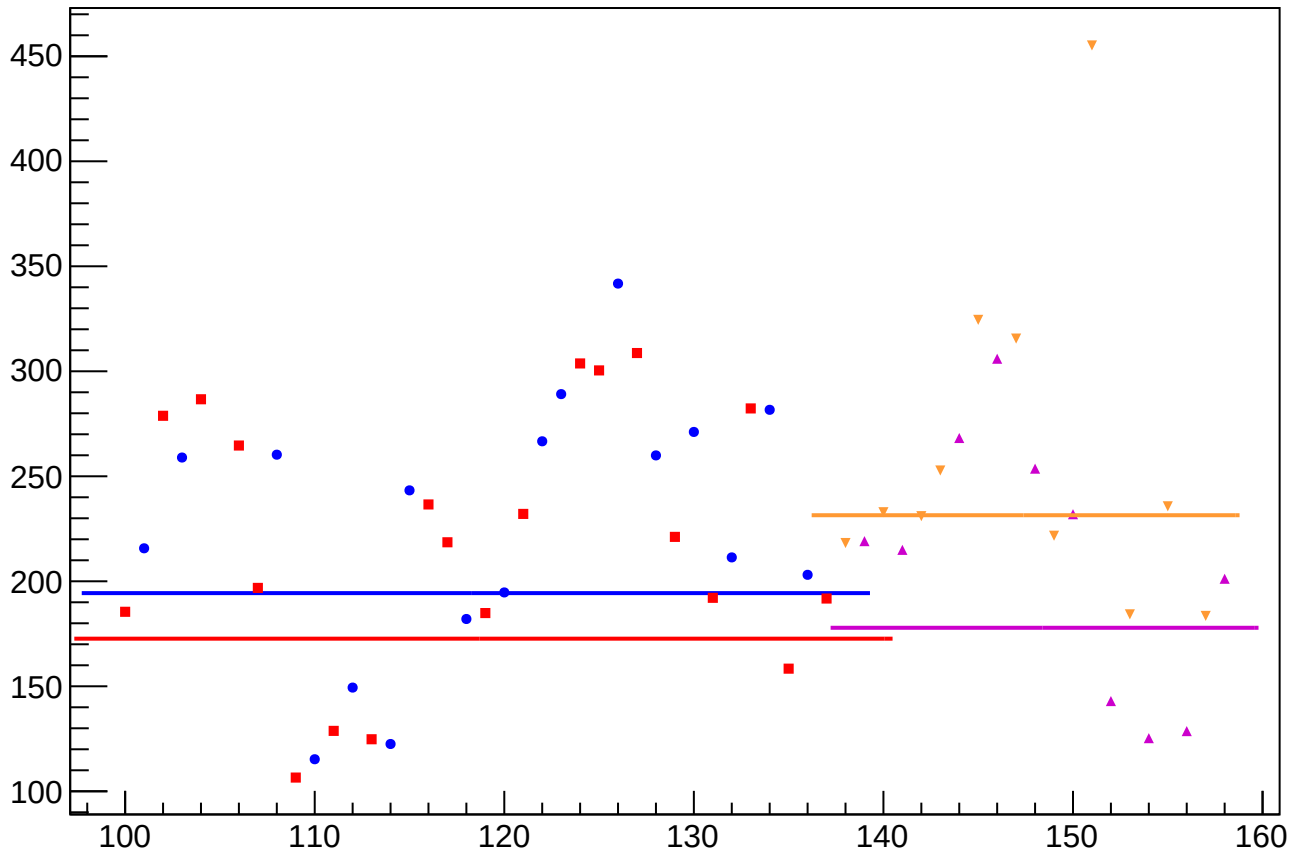
Right Out: -6.837+/-70.057 χ^2/NDF : 6.4/19

Left In: -72.976+/-67.511 χ^2/NDF : 4.5/9

68.155+/-57.956 χ^2/NDF : 10.2/27

-41.130+/-48.613 χ^2/NDF : 11.5/29

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 194.365 ± 0.056 $\chi^2/\text{NDF}: 1005234.4/16$

Left Out: 231.456 ± 0.060 $\chi^2/\text{NDF}: 822893.2/10$

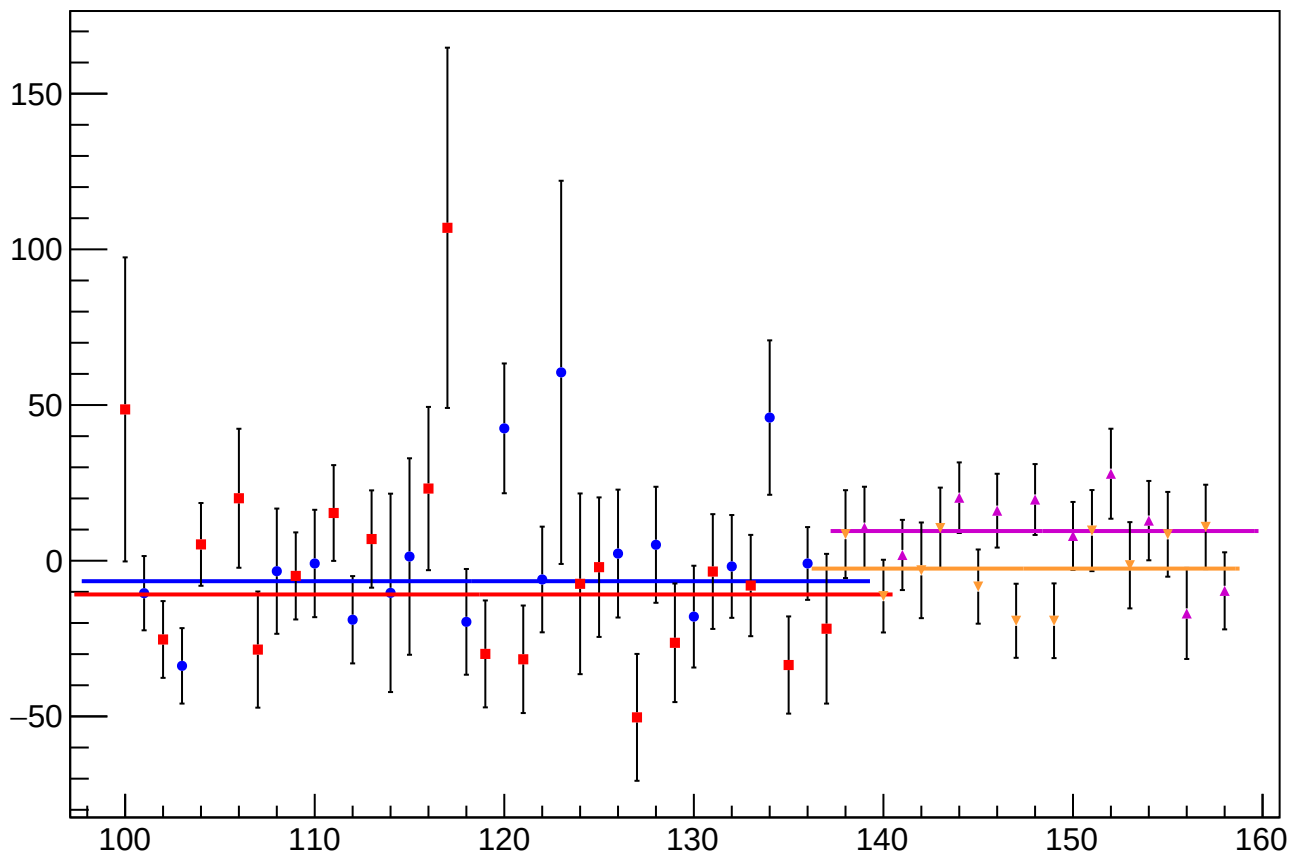
Right Out: 172.675 ± 0.050 $\chi^2/\text{NDF}: 1573459.1/19$

Left In: 177.860 ± 0.048 $\chi^2/\text{NDF}: 1379489.8/9$

211.900 ± 0.041 $\chi^2/\text{NDF}: 2032304.7/27$

175.363 ± 0.034 $\chi^2/\text{NDF}: 2958628.4/29$

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: -6.575 ± 4.157 $\chi^2/\text{NDF}: 19.3/16$

Left Out: -2.530 ± 3.906 $\chi^2/\text{NDF}: 8.9/10$

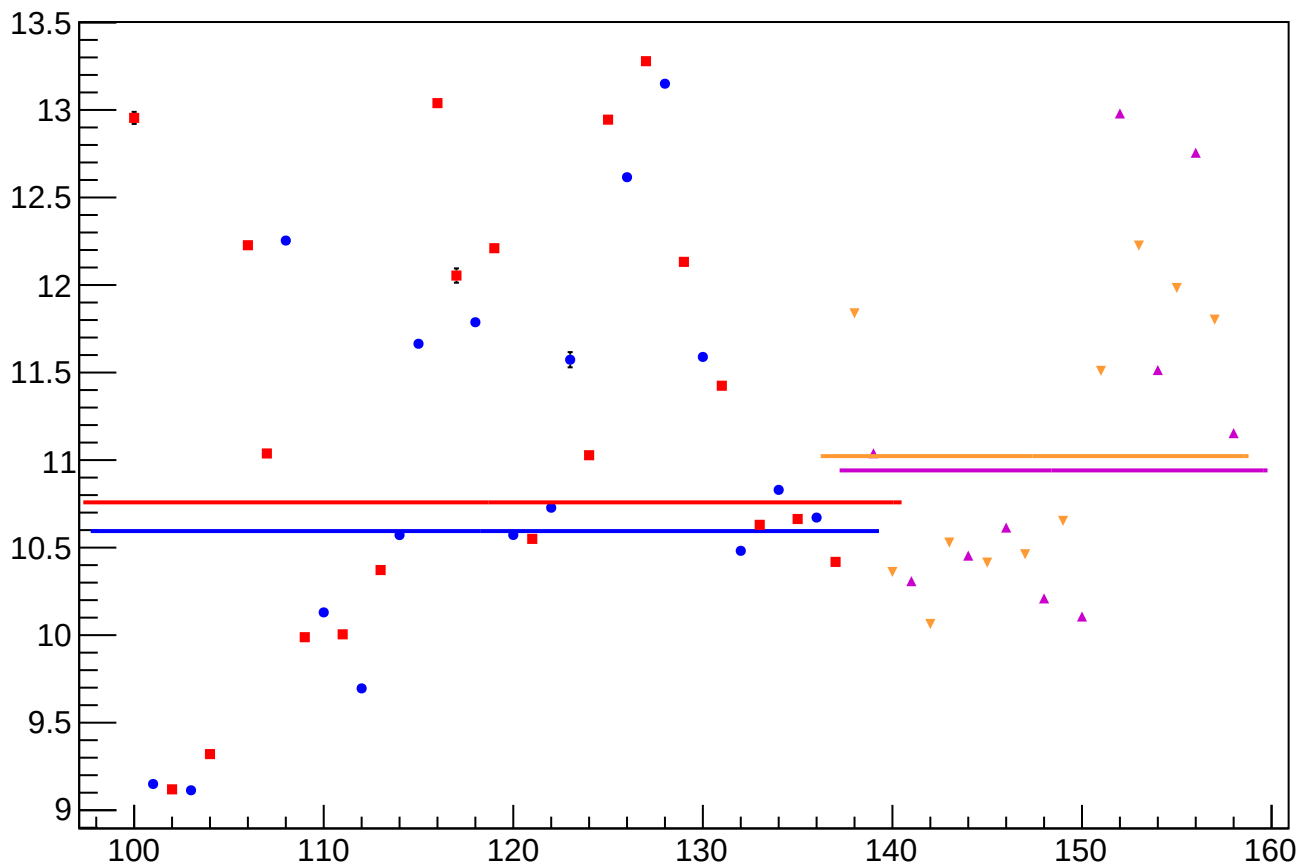
Right Out: -10.838 ± 4.070 $\chi^2/\text{NDF}: 27.1/19$

Left In: 9.532 ± 3.869 $\chi^2/\text{NDF}: 9.9/9$

-4.427 ± 2.847 $\chi^2/\text{NDF}: 28.7/27$

-0.138 ± 2.804 $\chi^2/\text{NDF}: 50.1/29$

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.594 ± 0.003 χ^2/NDF : 160059.2/16

Left Out: 11.023 ± 0.003 χ^2/NDF : 69793.7/10

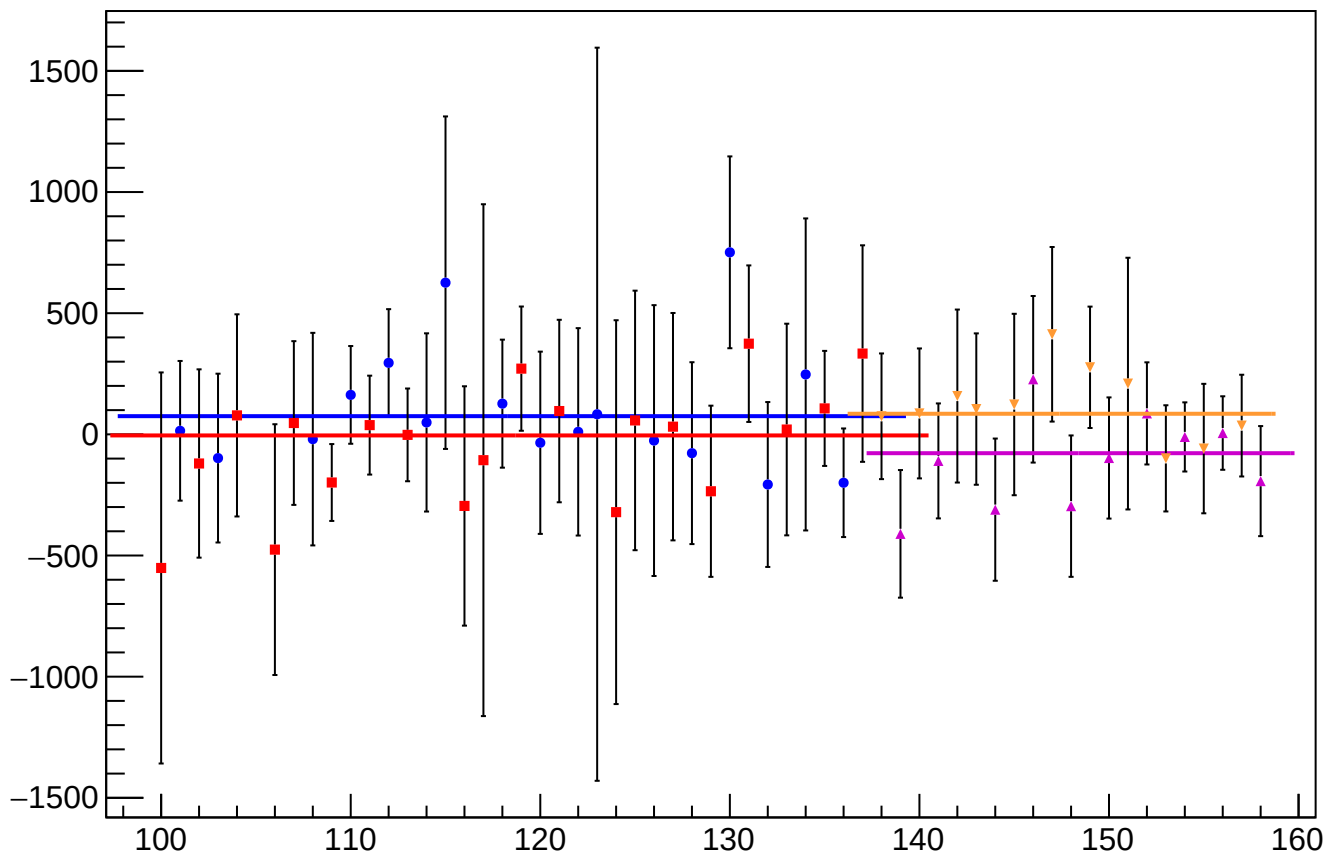
Right Out: 10.758 ± 0.003 χ^2/NDF : 178180.9/19

Left In: 10.941 ± 0.003 χ^2/NDF : 106792.2/9

10.822 ± 0.002 χ^2/NDF : 241120.2/27

10.854 ± 0.002 χ^2/NDF : 287088.0/29

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: 84.984 $\pm$ 84.853 χ^2/NDF : 2.6/10

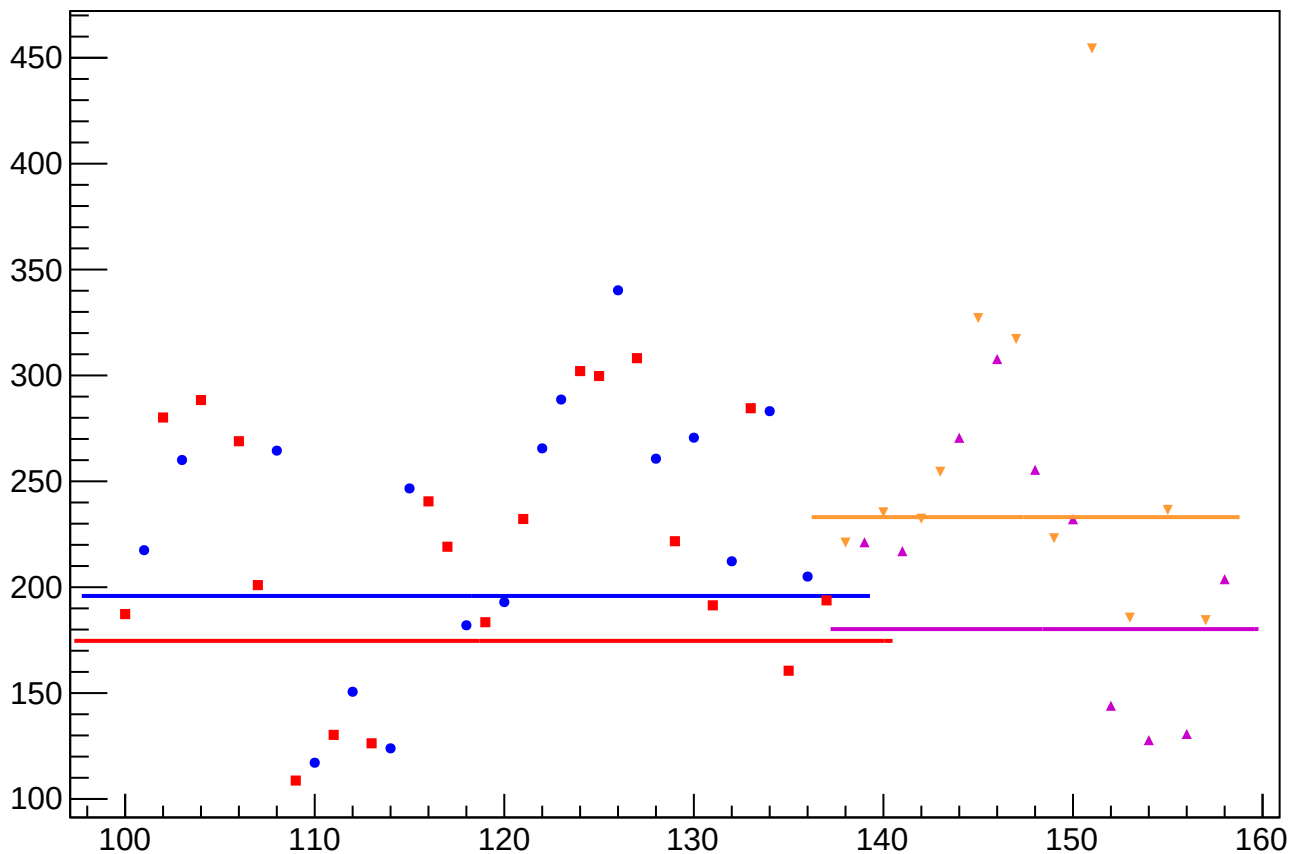
Right Out: -4.459 $\pm$ 70.724 χ^2/NDF : 7.3/19

Left In: -77.732 $\pm$ 68.282 χ^2/NDF : 5.0/9

79.765 $\pm$ 58.344 χ^2/NDF : 10.3/27

-42.382 $\pm$ 49.123 χ^2/NDF : 12.9/29

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: 233.097 $\pm$ 0.060 χ^2 /NDF:816971.8/10

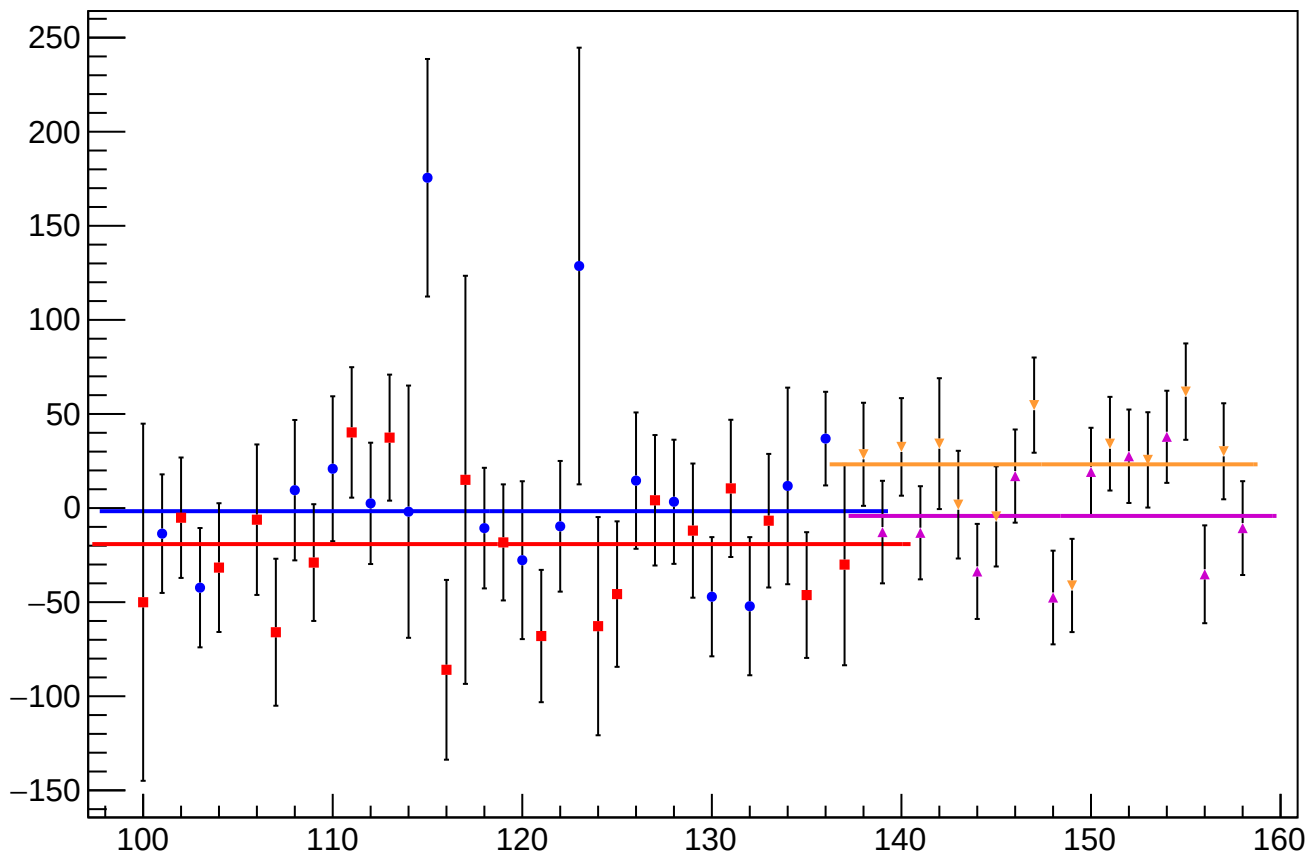
Right Out: 174.665 $\pm$ 0.050 χ^2 /NDF: 1532335.9/19

Left In: 180.221 $\pm$ 0.048 χ^2 /NDF:1344178.8/9

213.469 $\pm$ 0.041 χ^2 /NDF: 1999195.1/27

177.541 $\pm$ 0.035 χ^2 /NDF: 2882901.8/29

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: 23.242 ± 7.980 χ^2/NDF : 12.8/10

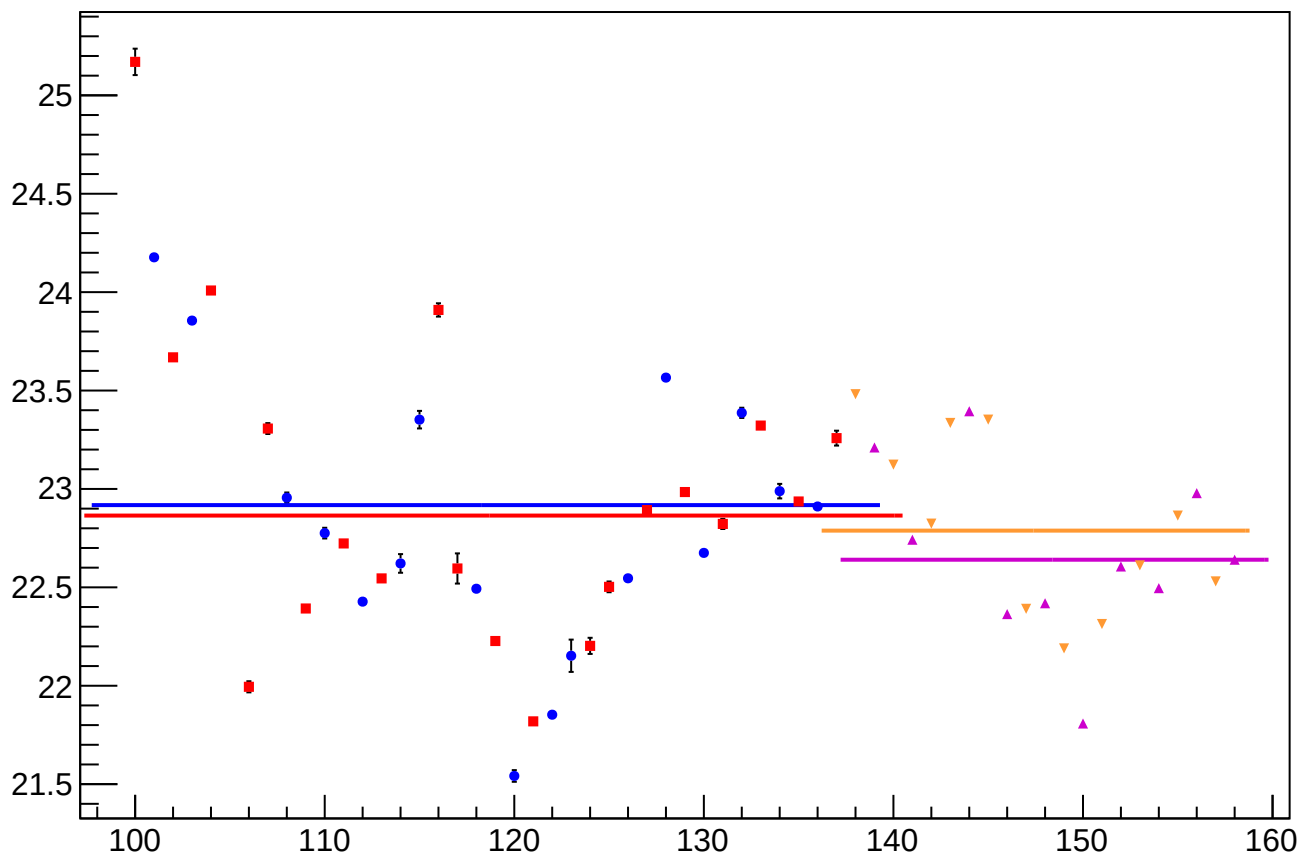
Right Out: -19.145 ± 8.529 χ^2/NDF : 14.9/19

Left In: -4.174 ± 7.909 χ^2/NDF : 12.4/9

12.121 ± 5.936 χ^2/NDF : 35.6/27

-11.096 ± 5.799 χ^2/NDF : 28.9/29

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: 22.788 ± 0.006 χ^2/NDF : 5952.9/10

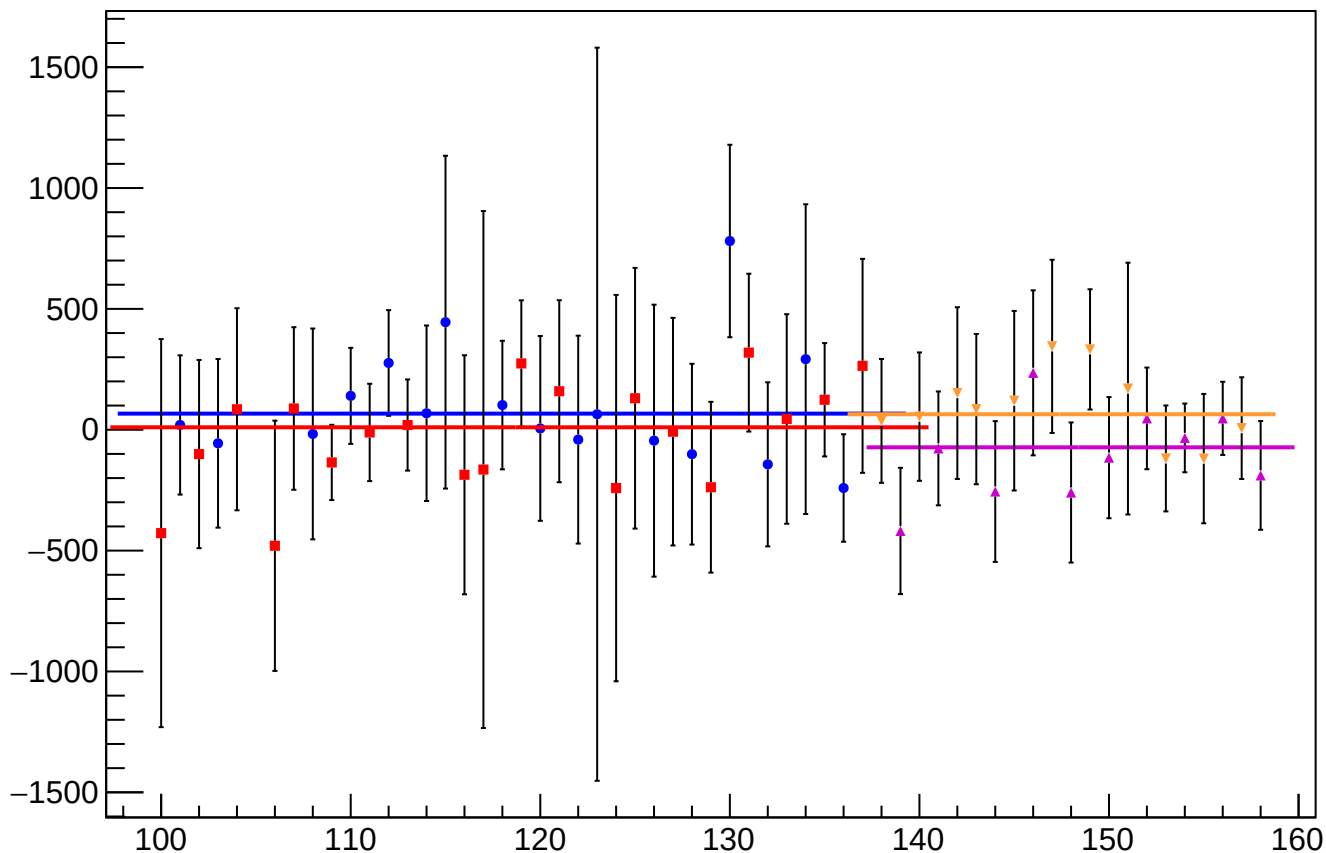
Right Out: 22.865 ± 0.006 χ^2/NDF : 11064.9/19

Left In: 22.640 ± 0.006 χ^2/NDF : 6031.8/9

22.846 ± 0.004 χ^2/NDF : 17660.8/27

22.744 ± 0.004 χ^2/NDF : 17840.8/29

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: 64.155+/-84.526 χ^2/NDF : 3.2/10

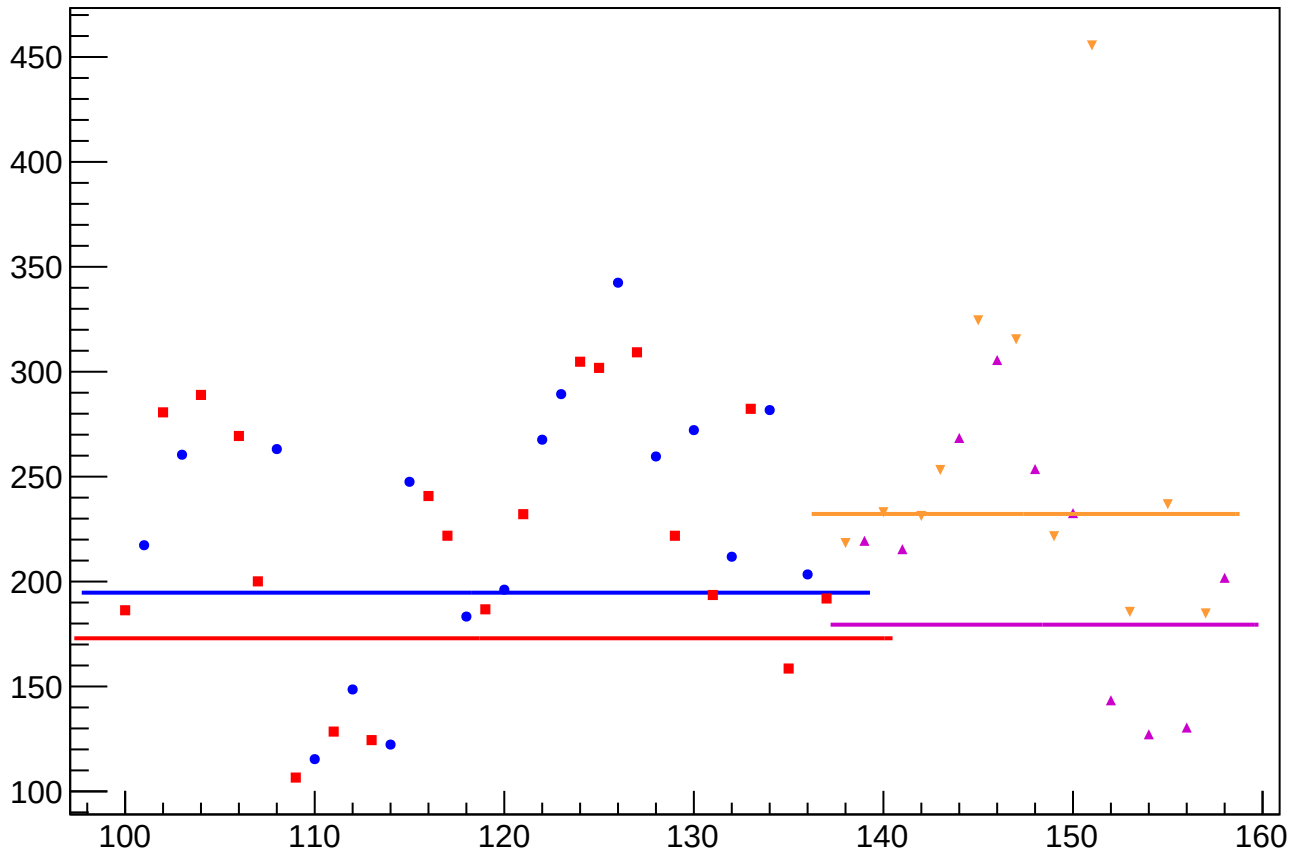
Right Out: 10.113+/-70.234 χ^2/NDF : 5.7/19

Left In: -72.764+/-67.987 χ^2/NDF : 4.7/9

65.498+/-58.101 χ^2/NDF : 10.7/27

-32.673+/-48.849 χ^2/NDF : 11.1/29

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 194.703 $\pm$ 0.057 χ^2 /NDF: 1019872.4/16

Left Out: 232.221 $\pm$ 0.060 χ^2 /NDF:810587.6/10

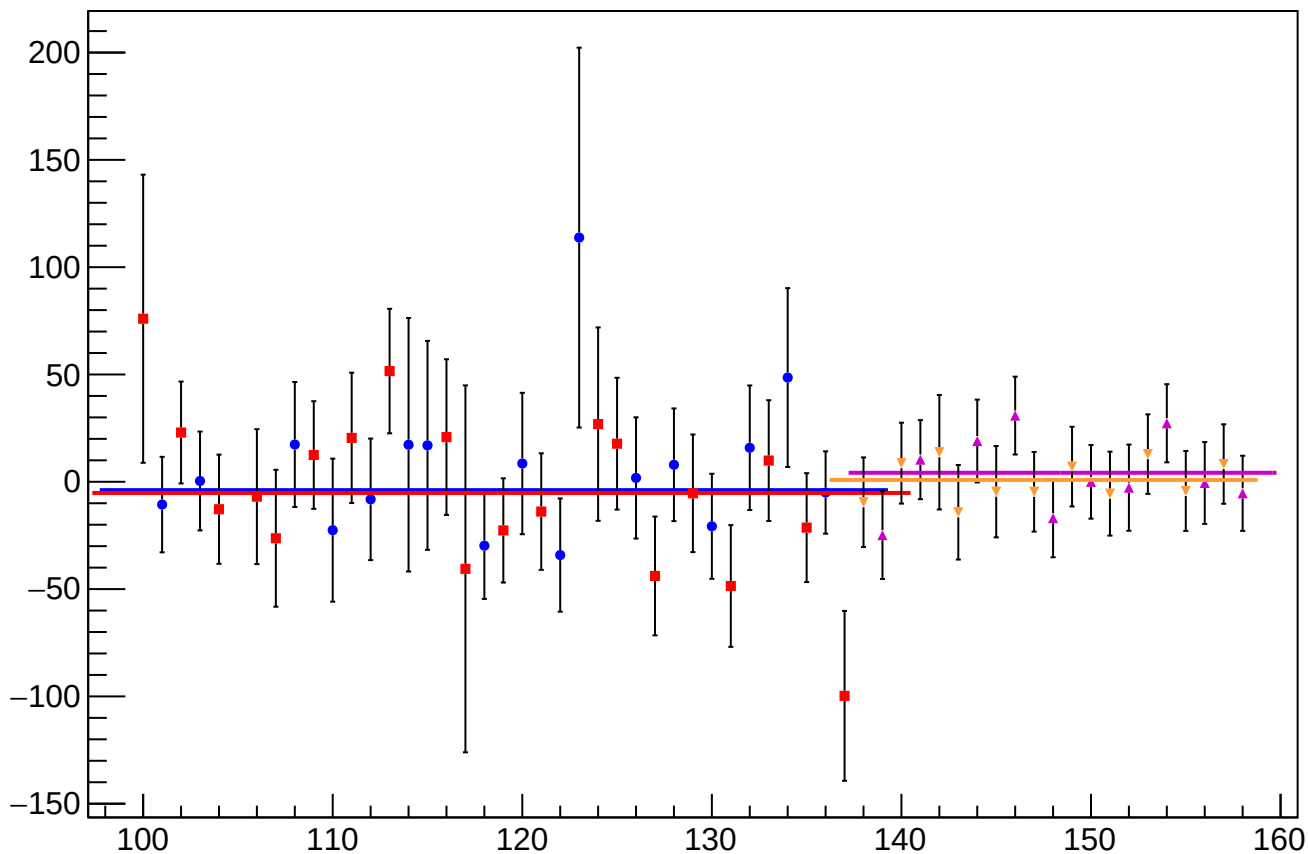
Right Out: 172.965 $\pm$ 0.050 χ^2 /NDF: 1601142.0/19

Left In: 179.451 $\pm$ 0.048 χ^2 /NDF:1332555.1/9

212.429 $\pm$ 0.041 χ^2 /NDF: 2038321.5/27

176.314 $\pm$ 0.035 χ^2 /NDF: 2942502.8/29

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: 0.876 ± 5.985 χ^2/NDF : 2.2/10

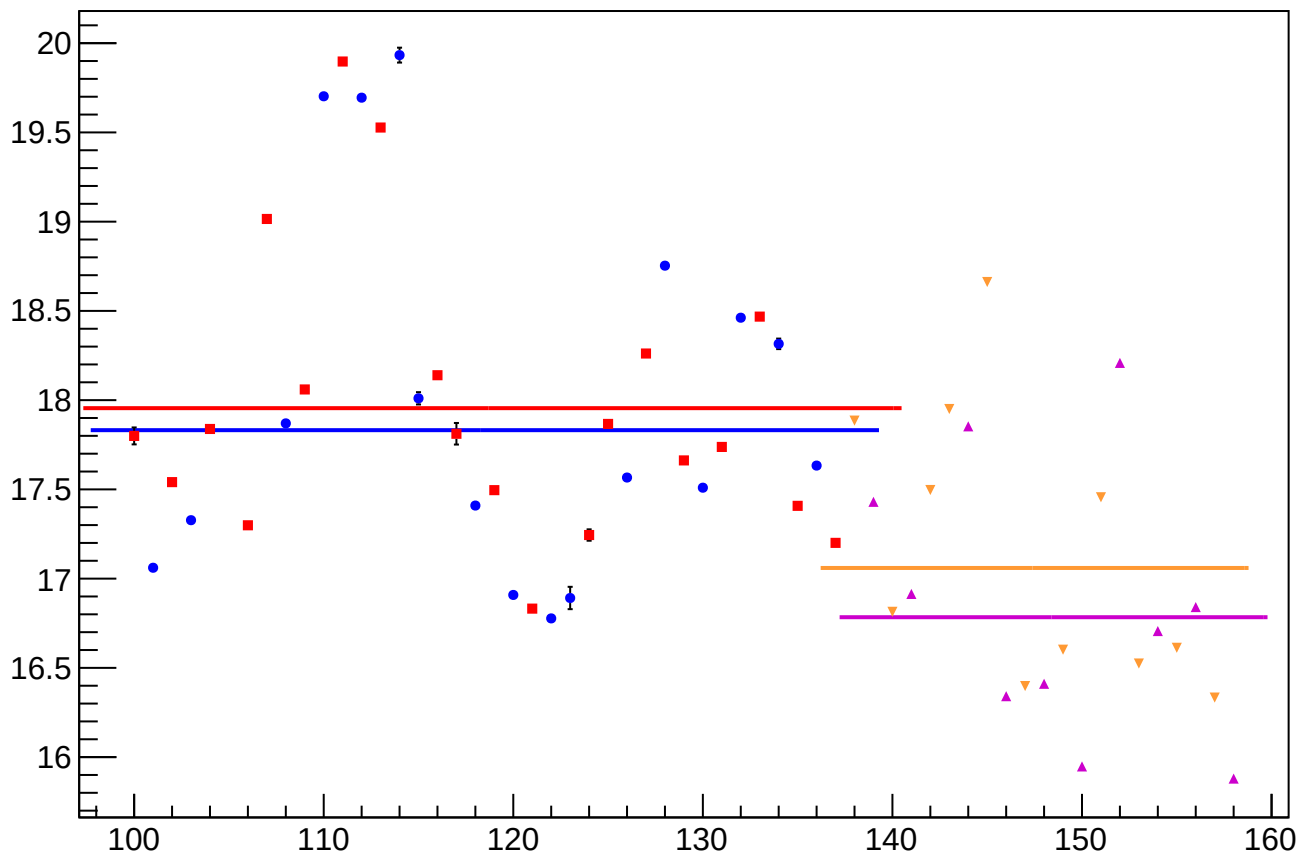
Right Out: -5.204 ± 6.706 χ^2/NDF : 21.5/19

Left In: 4.199 ± 5.875 χ^2/NDF : 8.4/9

-1.167 ± 4.526 χ^2/NDF : 10.8/27

0.116 ± 4.419 χ^2/NDF : 31.0/29

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: 17.060 $\pm$ 0.004 χ^2 /NDF:29072.9/10

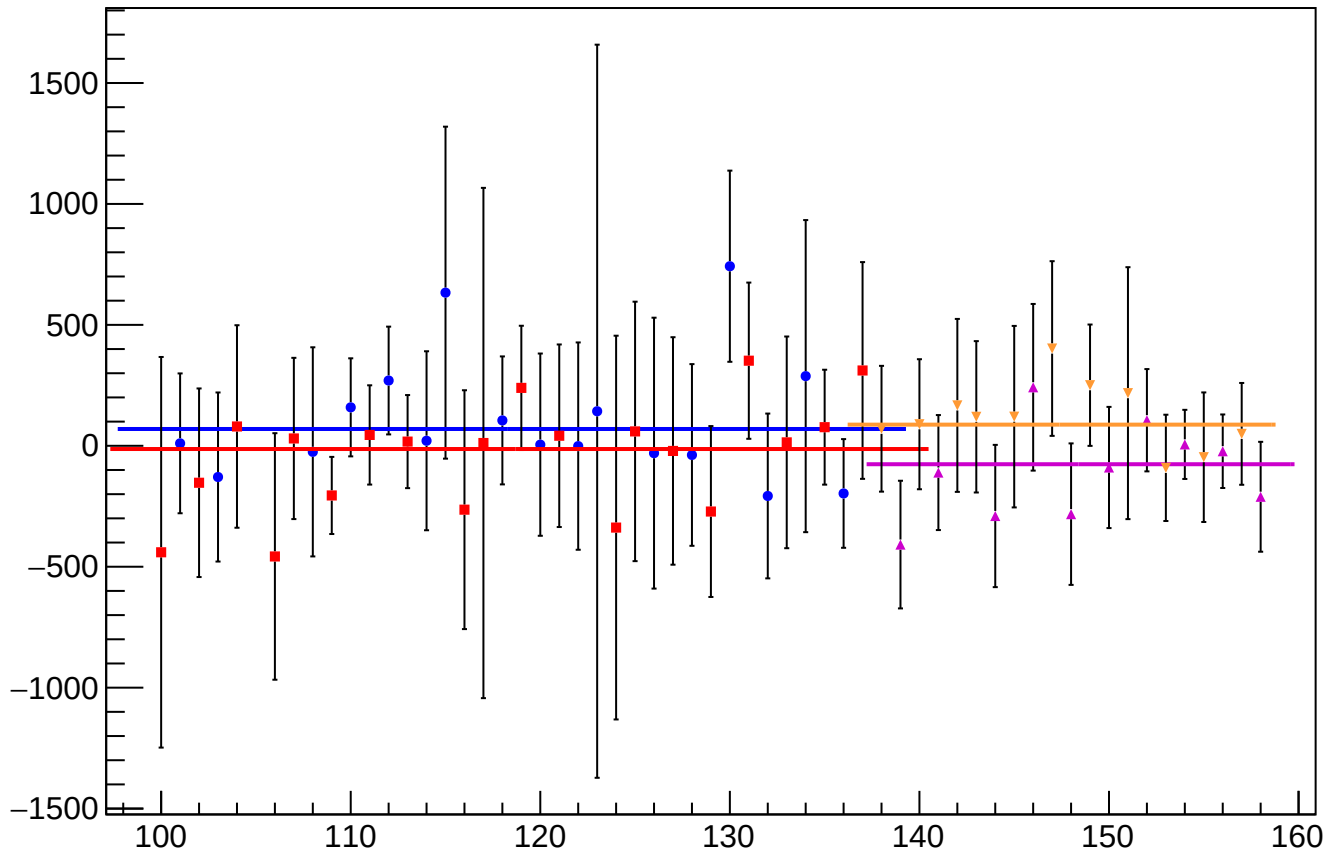
Right Out: 17.955 $\pm$ 0.005 χ^2 /NDF: 25454.6/19

Left In: 16.784 $\pm$ 0.004 χ^2 /NDF:30466.9/9

17.390 $\pm$ 0.003 χ^2 /NDF: 74187.7/27

17.292 $\pm$ 0.003 χ^2 /NDF: 90437.4/29

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug



Right In: 69.511+/-80.550 χ^2/NDF : 7.4/16

Left Out: 87.514+/-85.053 χ^2/NDF : 2.3/10

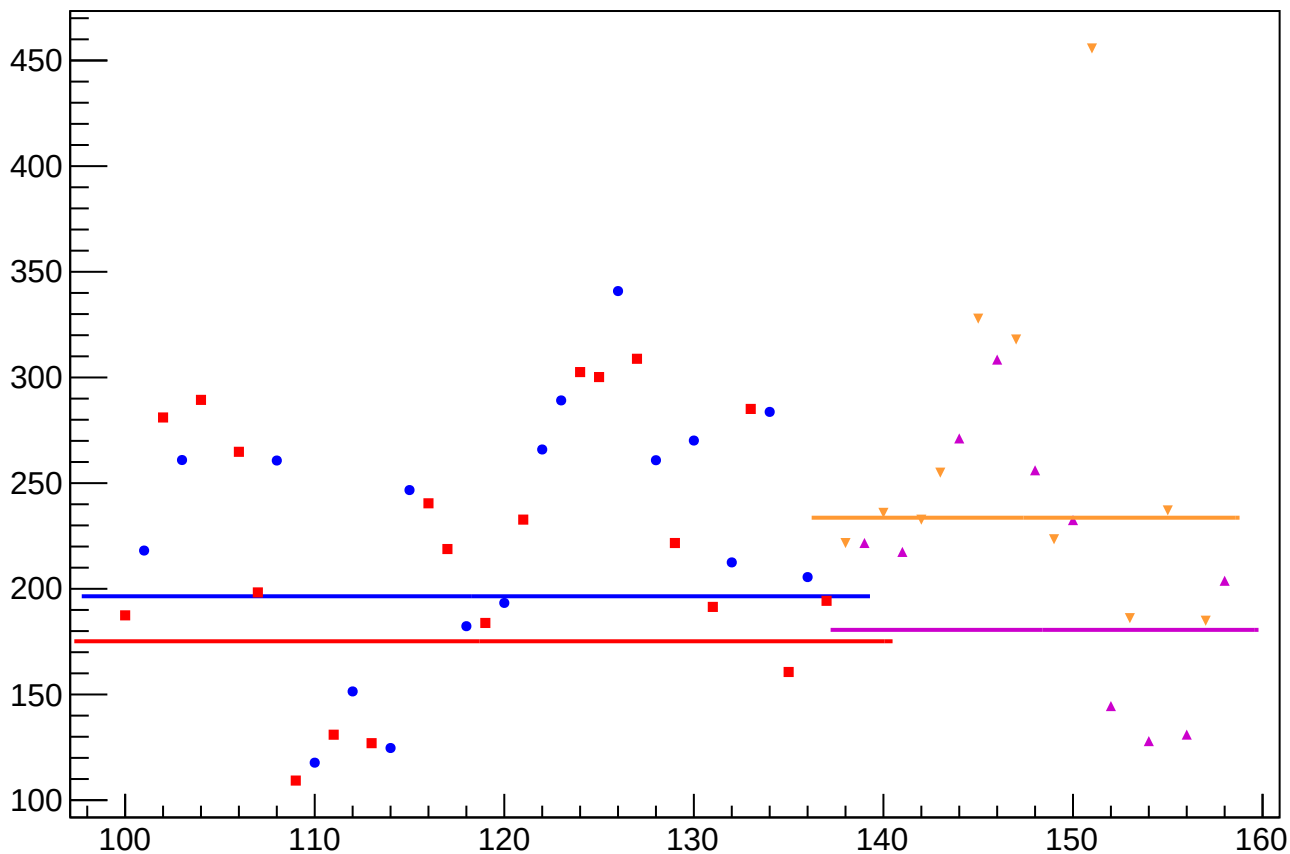
Right Out: -13.298+/-70.881 χ^2/NDF : 6.7/19

Left In: -76.193+/-68.417 χ^2/NDF : 5.0/9

78.023+/-58.485 χ^2/NDF : 9.7/27

-45.858+/-49.226 χ^2/NDF : 12.2/29

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: 233.647 +/- 0.060 χ^2/NDF : 816730.7/10

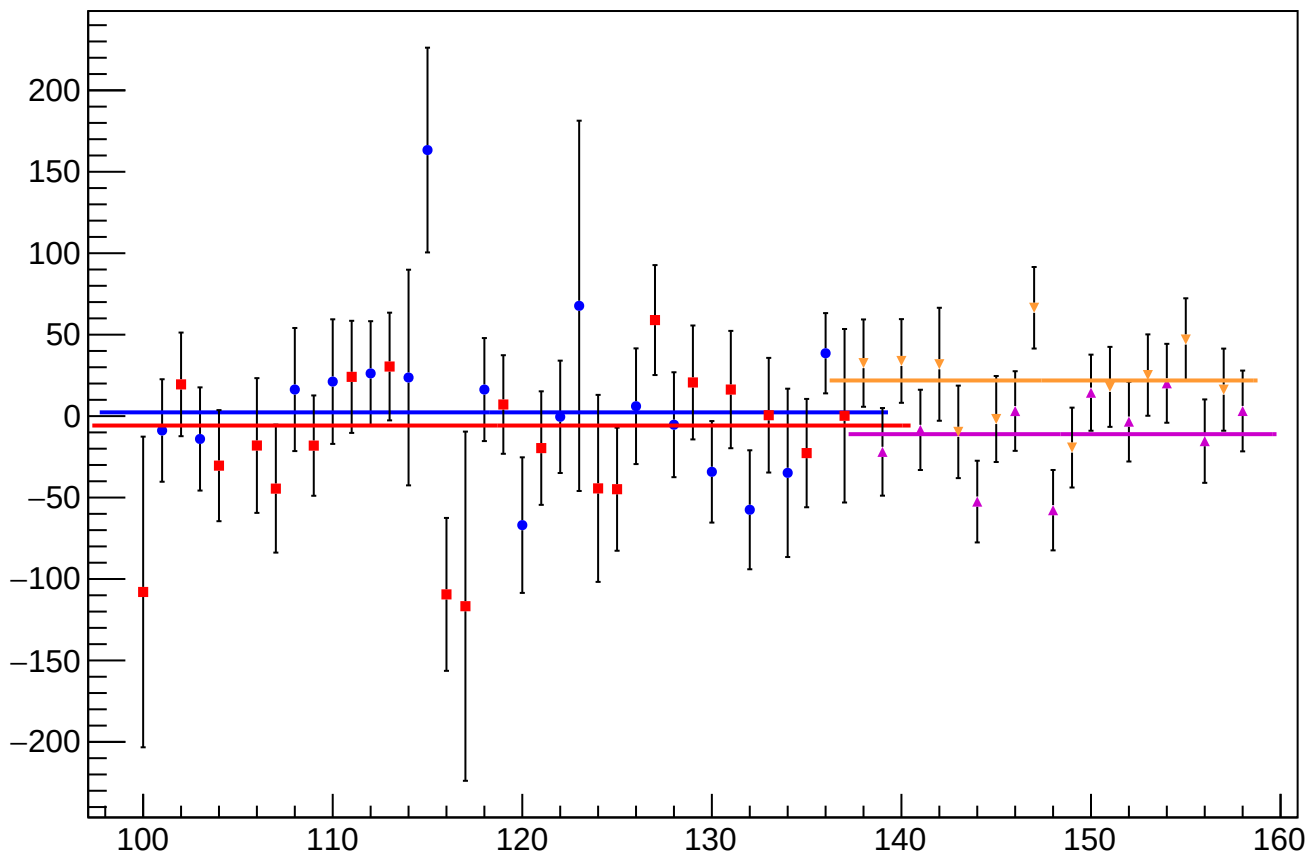
Right Out: 175.179 +/- 0.050 χ^2/NDF : 1514541.6/19

Left In: 180.573 +/- 0.048 χ^2/NDF : 1344232.6/9

214.049 +/- 0.041 χ^2/NDF : 1982452.6/27

177.971 +/- 0.035 χ^2/NDF : 2864769.9/29

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug



Right In: 2.307 ± 8.805 $\chi^2/\text{NDF}: 18.1/16$

Left Out: 21.881 ± 7.889 $\chi^2/\text{NDF}: 9.6/10$

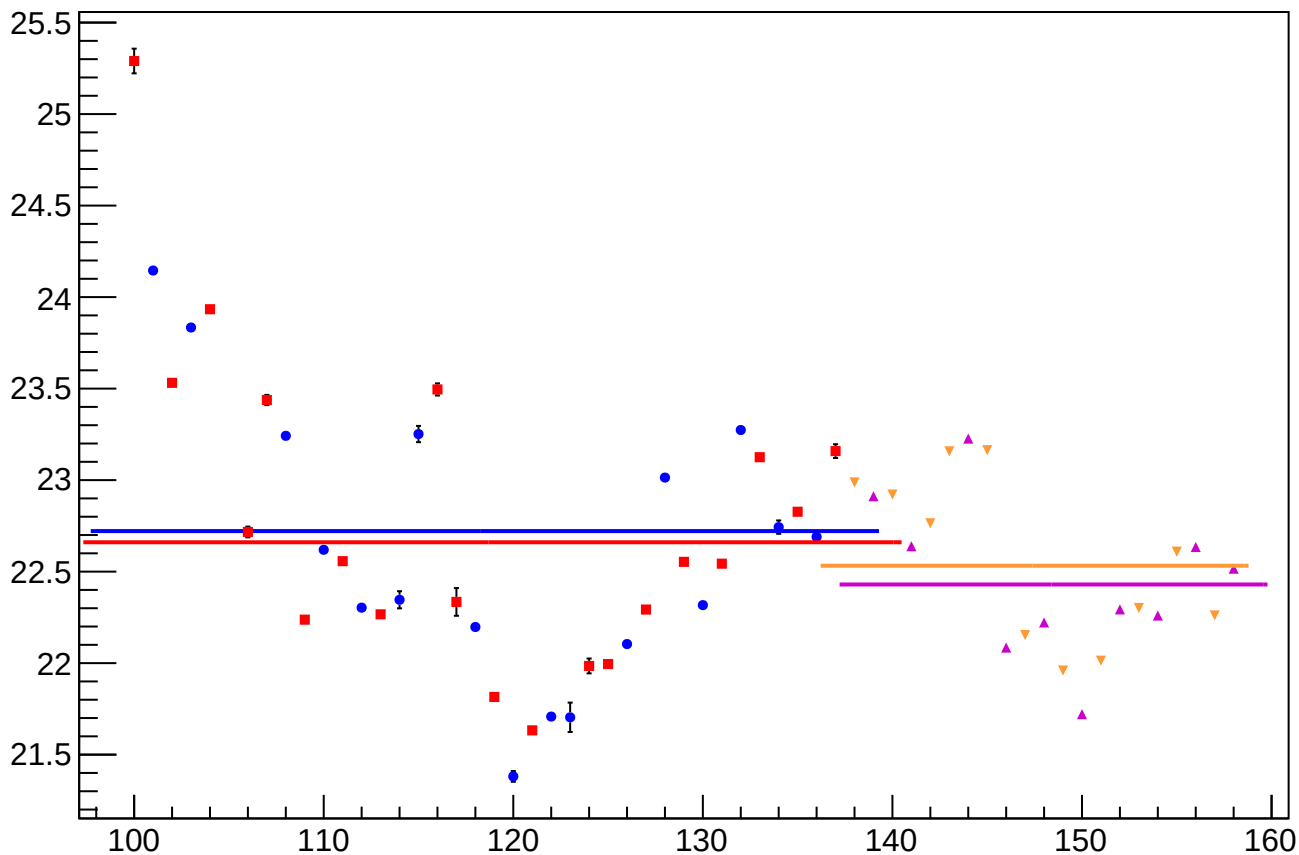
Right Out: -5.783 ± 8.453 $\chi^2/\text{NDF}: 18.2/19$

Left In: -11.081 ± 7.834 $\chi^2/\text{NDF}: 10.1/9$

13.165 ± 5.876 $\chi^2/\text{NDF}: 30.4/27$

-8.633 ± 5.746 $\chi^2/\text{NDF}: 28.5/29$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug



Right In: 22.722 $\pm$ 0.006 χ^2 /NDF: 13580.6/16

Left Out: 22.532 $\pm$ 0.006 χ^2 /NDF:6101.3/10

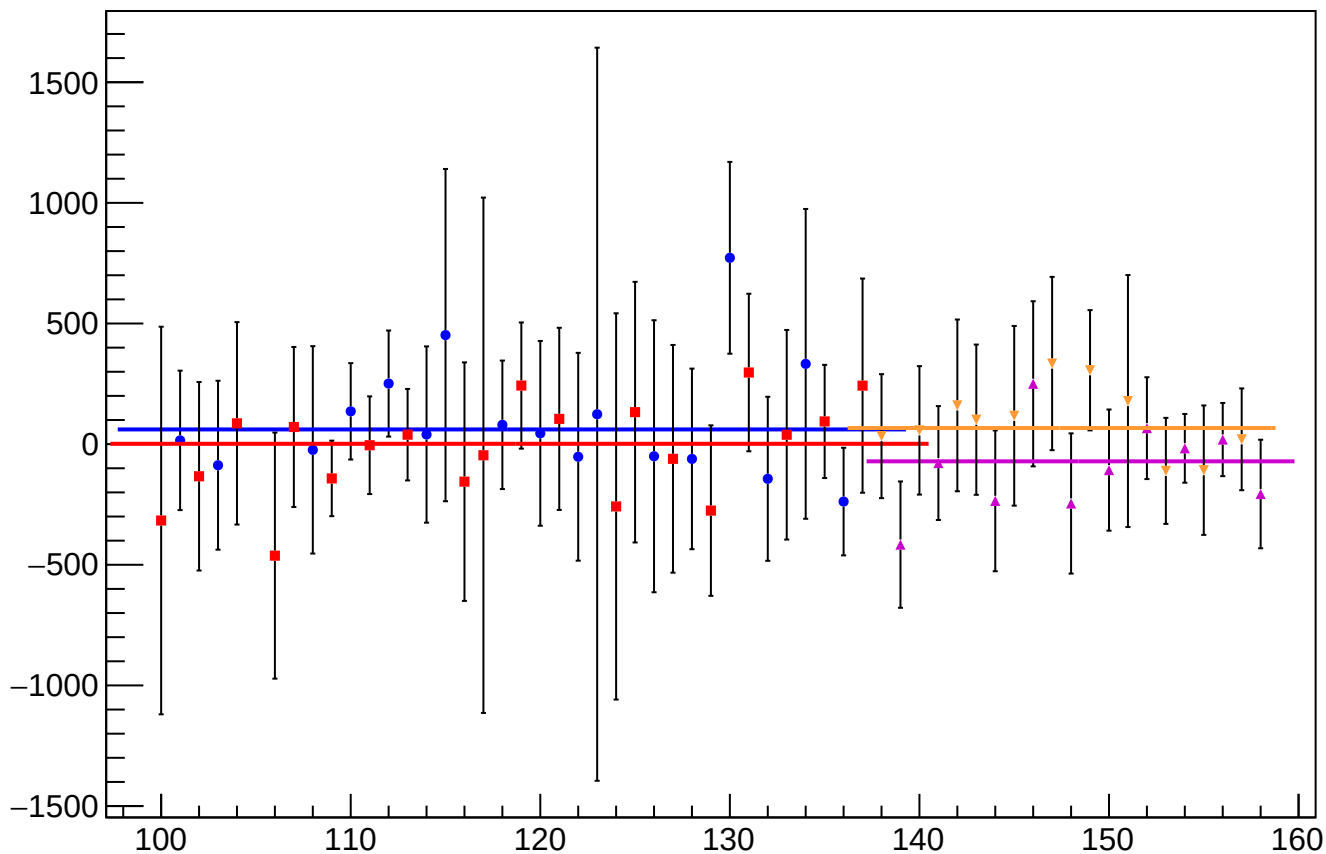
Right Out: 22.660 $\pm$ 0.006 χ^2 /NDF: 12974.2/19

Left In: 22.430 $\pm$ 0.006 χ^2 /NDF:5497.7/9

22.617 $\pm$ 0.004 χ^2 /NDF: 20194.5/27

22.536 $\pm$ 0.004 χ^2 /NDF: 19273.4/29

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug



Right In: 60.960 ± 80.197 $\chi^2/\text{NDF}: 7.2/16$

Left Out: 66.787 ± 84.724 $\chi^2/\text{NDF}: 2.8/10$

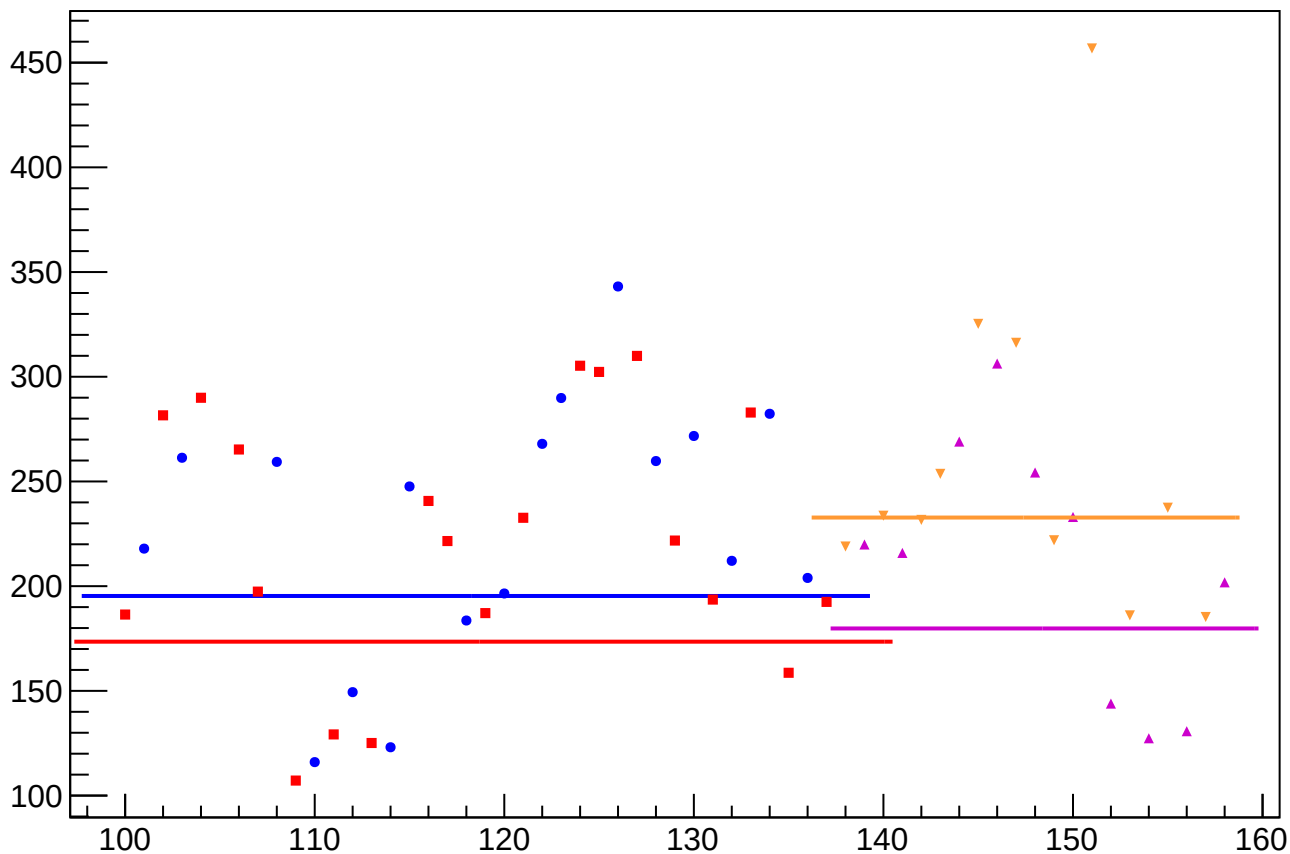
Right Out: 1.439 ± 70.395 $\chi^2/\text{NDF}: 5.2/19$

Left In: -71.213 ± 68.121 $\chi^2/\text{NDF}: 4.6/9$

63.714 ± 58.242 $\chi^2/\text{NDF}: 10.0/27$

-36.079 ± 48.953 $\chi^2/\text{NDF}: 10.3/29$

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: 232.768+/-0.060 χ^2/NDF : 810433.9/10

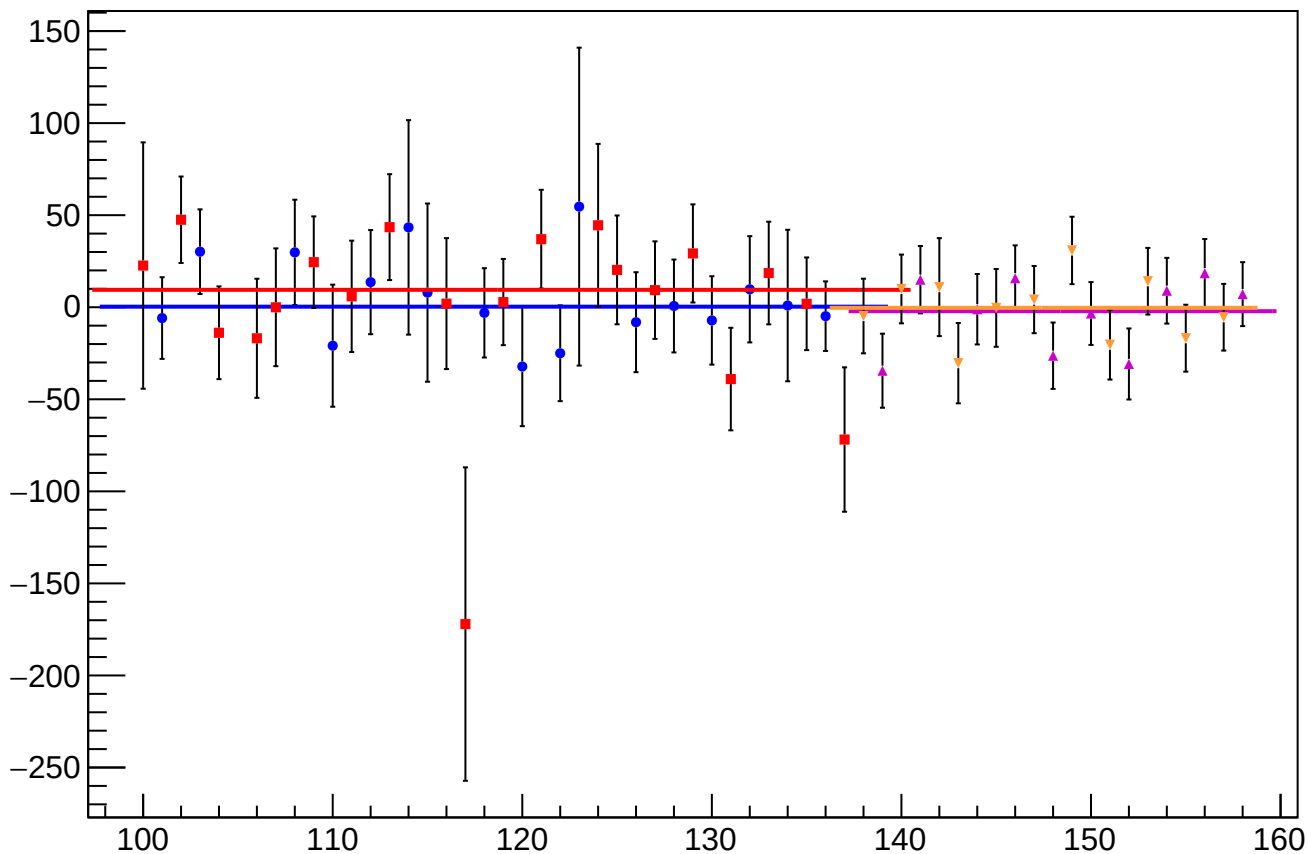
Right Out: 173.495+/-0.050 χ^2/NDF : 1582449.6/19

Left In: 179.803+/-0.048 χ^2/NDF : 1332701.6/9

213.014+/-0.041 χ^2/NDF : 2020773.0/27

176.752+/-0.035 χ^2/NDF : 2923444.3/29

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug



Right In: 0.305 ± 6.812 χ^2/NDF : 6.8/16

Left Out: -0.308 ± 5.877 χ^2/NDF : 8.0/10

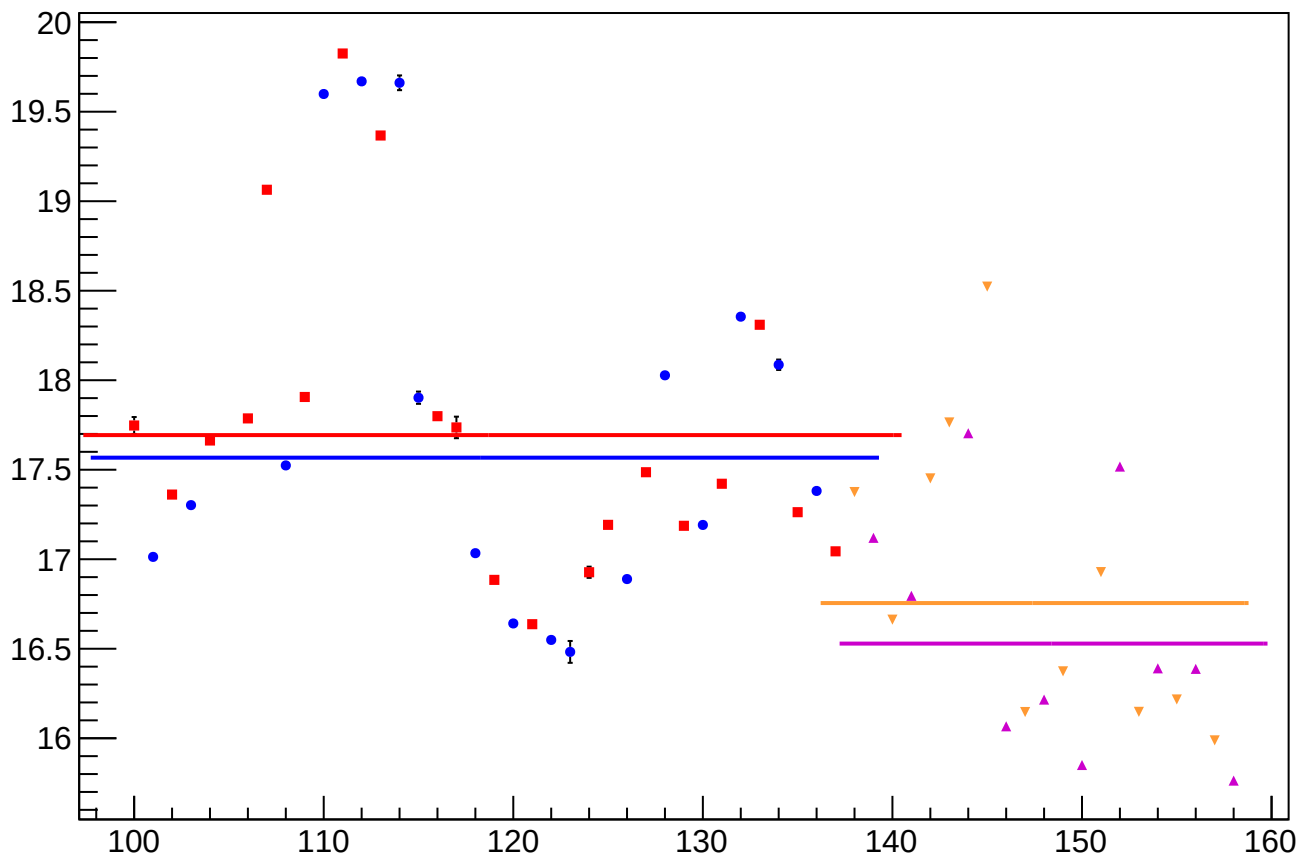
Right Out: 9.452 ± 6.608 χ^2/NDF : 20.6/19

Left In: -2.136 ± 5.783 χ^2/NDF : 10.4/9

-0.046 ± 4.450 χ^2/NDF : 14.8/27

2.890 ± 4.352 χ^2/NDF : 32.8/29

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.567 $\pm$ 0.005 χ^2 /NDF: 33145.0/16

Left Out: 16.755 $\pm$ 0.004 χ^2 /NDF:32421.6/10

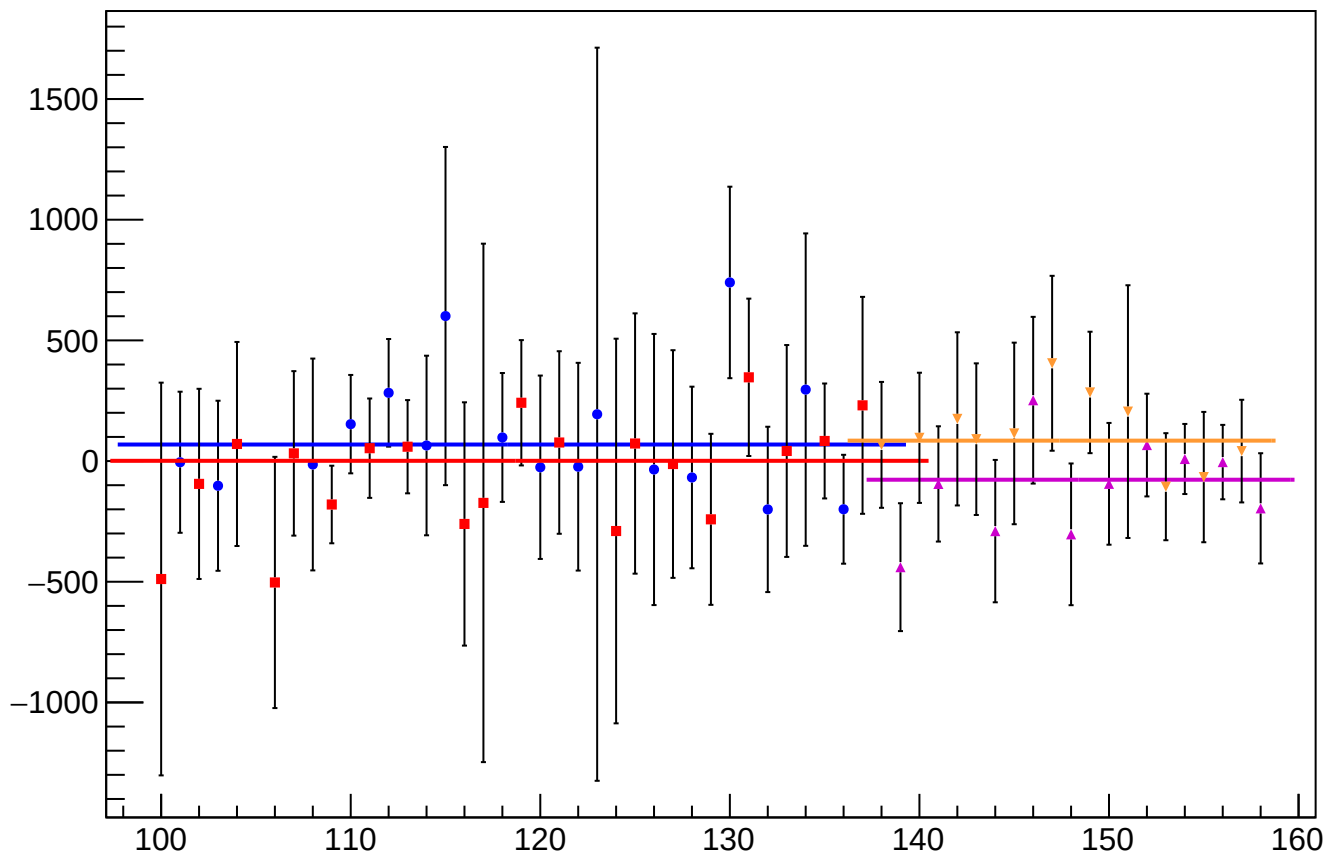
Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30767.6/19

Left In: 16.529 $\pm$ 0.004 χ^2 /NDF:24177.4/9

17.102 $\pm$ 0.003 χ^2 /NDF: 81864.4/27

17.034 $\pm$ 0.003 χ^2 /NDF: 90132.1/29

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: 84.646+/-85.542 χ^2/NDF : 2.6/10

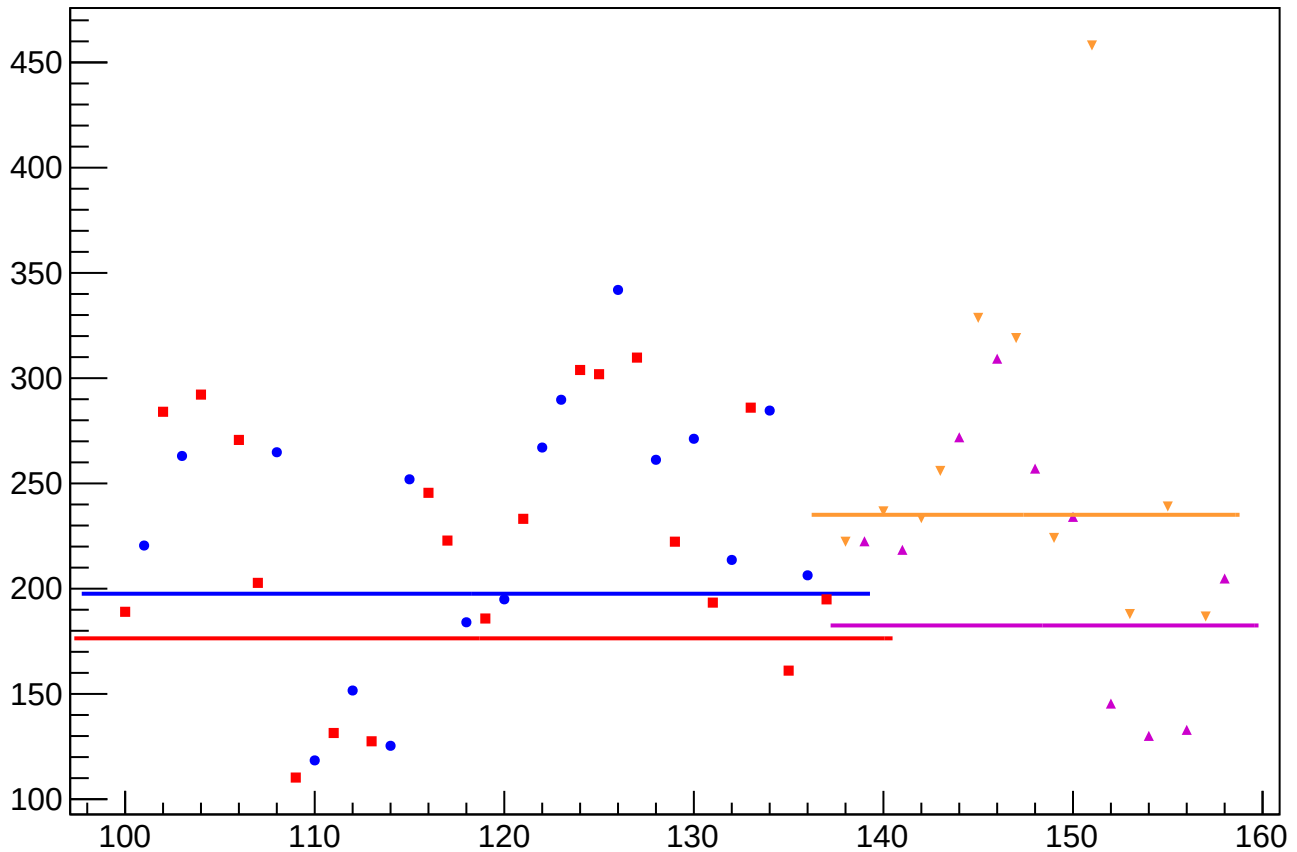
Right Out: 1.057+/-71.380 χ^2/NDF : 6.1/19

Left In: -77.303+/-69.050 χ^2/NDF : 5.2/9

76.163+/-58.823 χ^2/NDF : 10.0/27

-39.423+/-49.629 χ^2/NDF : 12.0/29

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 197.603 $\pm$ 0.057 χ^2 /NDF: 968827.8/16

Left Out: 235.098 $\pm$ 0.060 χ^2 /NDF: 805462.4/10

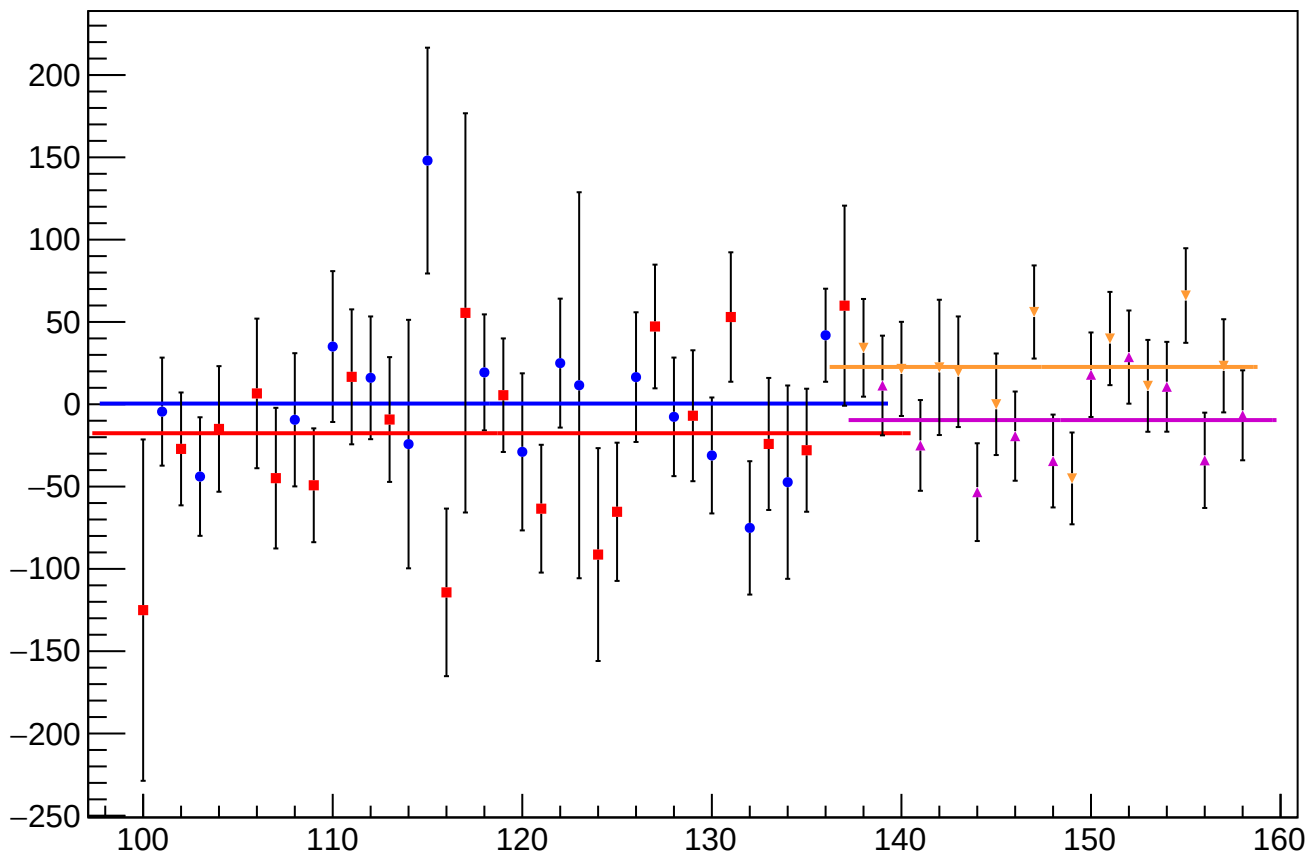
Right Out: 176.407 $\pm$ 0.050 χ^2 /NDF: 1523589.5/19

Left In: 182.530 $\pm$ 0.049 χ^2 /NDF: 1304189.9/9

215.333 $\pm$ 0.042 χ^2 /NDF: 1976838.6/27

179.570 $\pm$ 0.035 χ^2 /NDF: 2835380.0/29

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 0.427 ± 9.884 $\chi^2/\text{NDF}: 15.5/16$

Left Out: 22.675 ± 8.975 $\chi^2/\text{NDF}: 10.8/10$

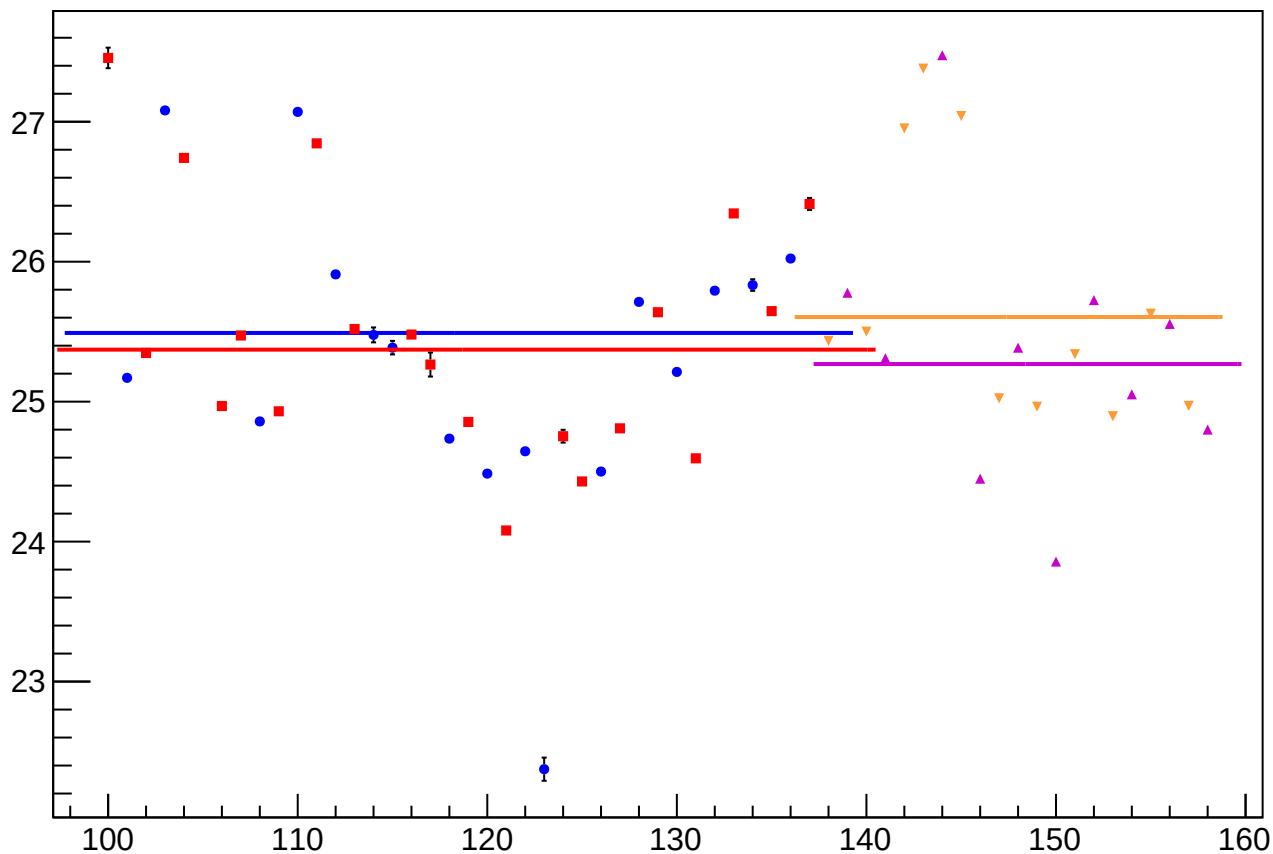
Right Out: -17.595 ± 9.470 $\chi^2/\text{NDF}: 19.8/19$

Left In: -9.609 ± 8.838 $\chi^2/\text{NDF}: 8.1/9$

12.621 ± 6.645 $\chi^2/\text{NDF}: 29.0/27$

-13.327 ± 6.461 $\chi^2/\text{NDF}: 28.3/29$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 25.491 ± 0.007 χ^2/NDF : 13713.0/16

Left Out: 25.605 ± 0.006 χ^2/NDF : 16533.7/10

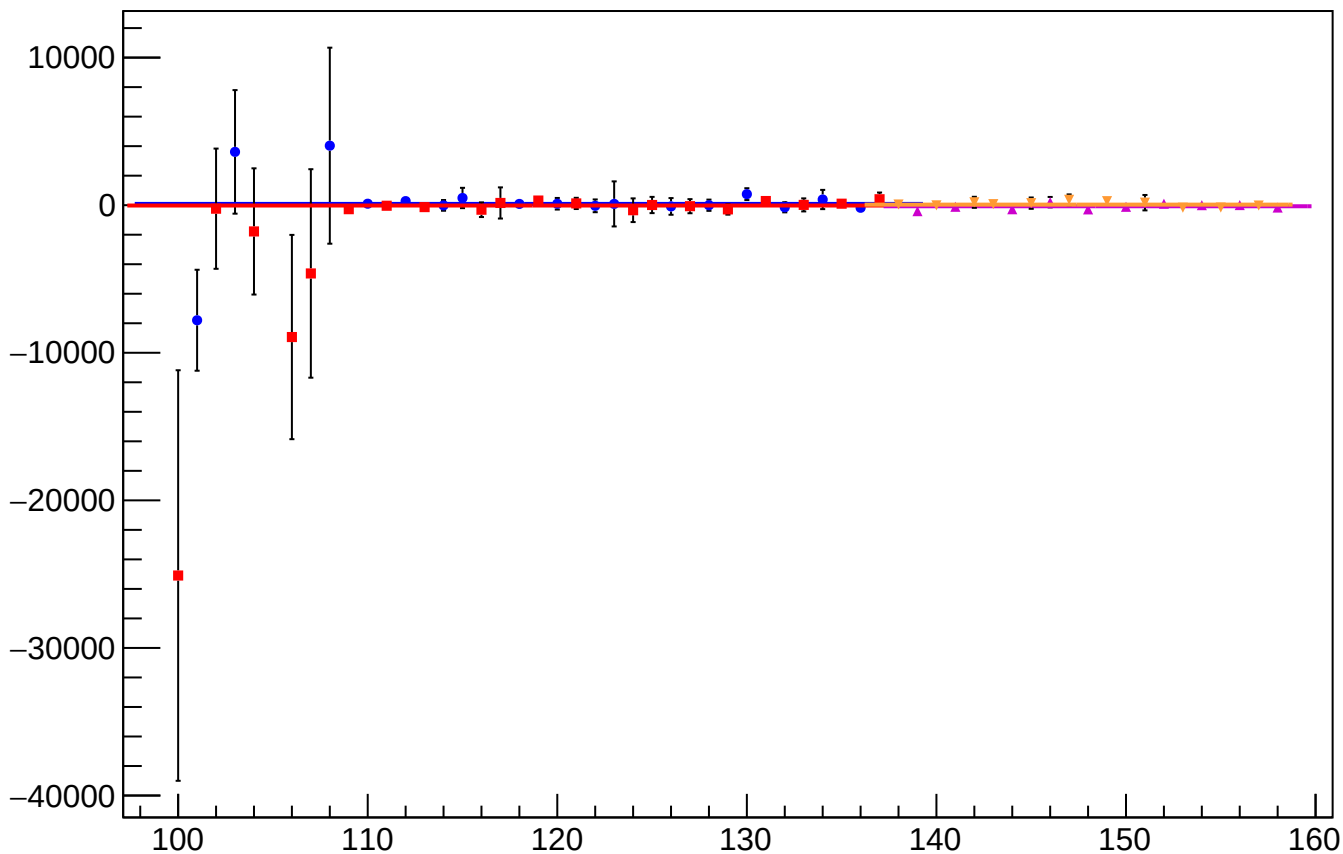
Right Out: 25.372 ± 0.007 χ^2/NDF : 13552.0/19

Left In: 25.269 ± 0.006 χ^2/NDF : 20950.5/9

25.553 ± 0.005 χ^2/NDF : 30392.4/27

25.317 ± 0.005 χ^2/NDF : 34628.7/29

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: 86.558+/-88.423 χ^2/NDF : 12.5/16

62.079+/-62.141 χ^2/NDF : 16.0/27

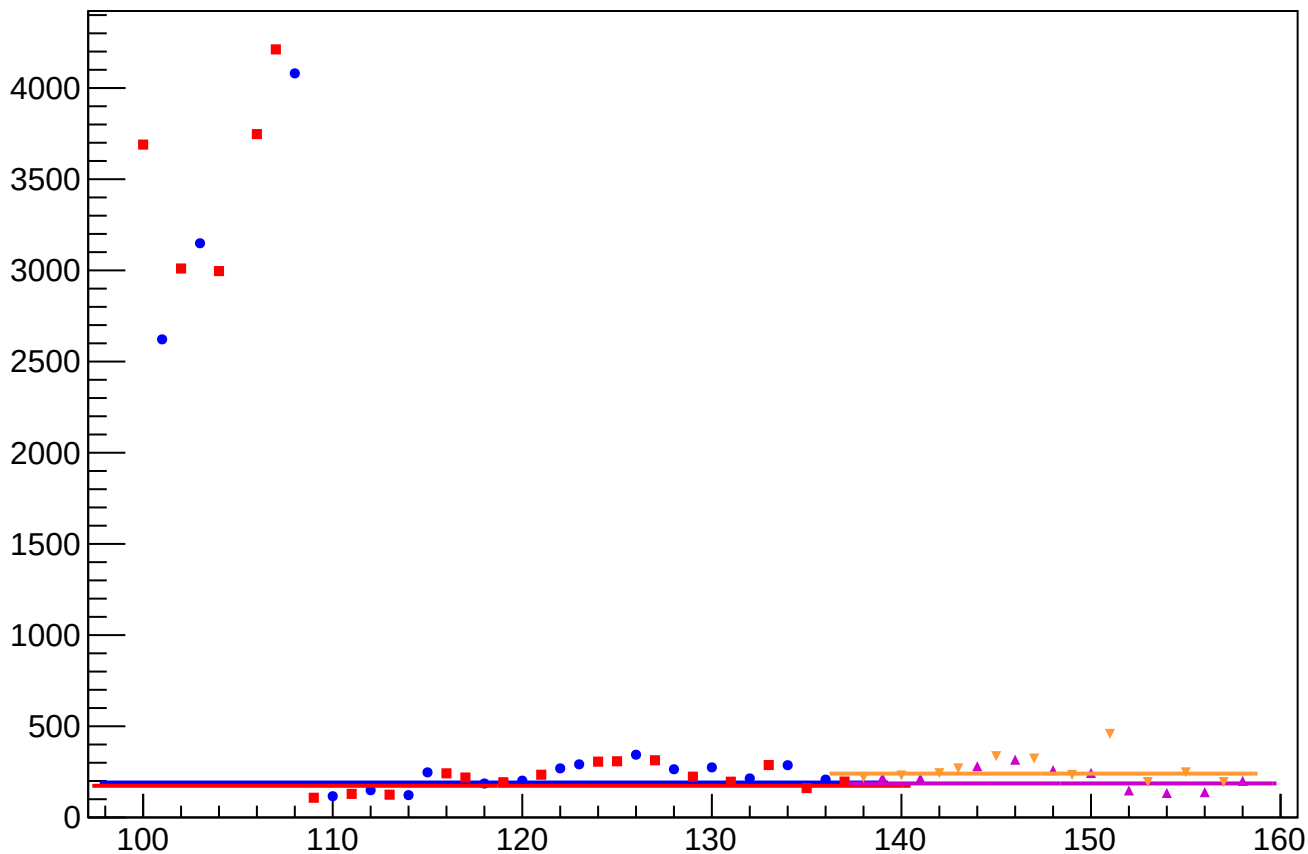
Left Out: 38.191+/-87.349 χ^2/NDF : 3.4/10

Right Out: -22.332+/-80.711 χ^2/NDF : 11.9/19

-50.718+/-53.039 χ^2/NDF : 16.7/29

Left In: -72.293+/-70.366 χ^2/NDF : 4.5/9

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: 240.355+/-0.062 χ^2/NDF : 778807.0/10

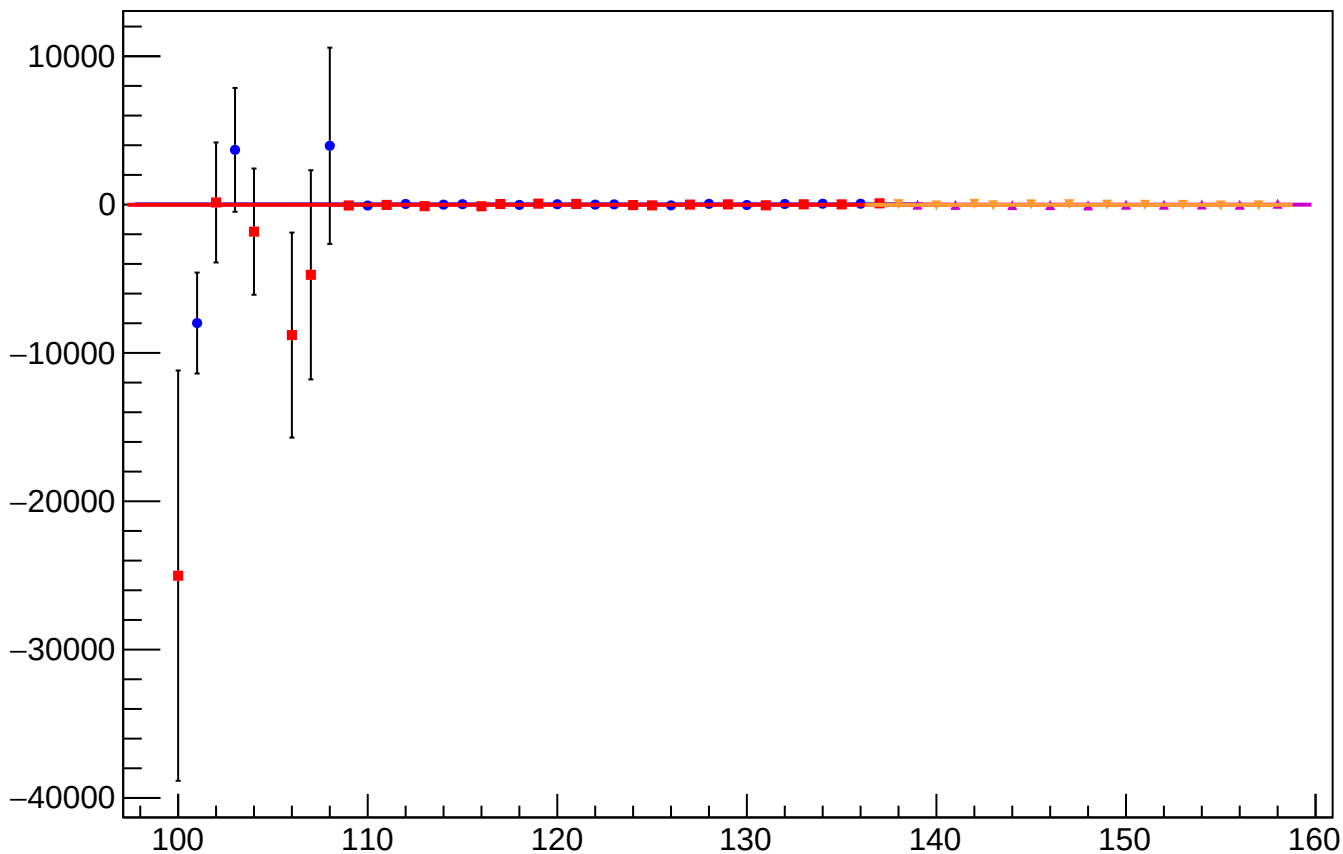
Right Out: 173.565+/-0.057 χ^2/NDF : 4211161.0/19

Left In: 186.599+/-0.050 χ^2/NDF : 1227484.9/9

216.216+/-0.044 χ^2/NDF : 4661248.0/27

180.971+/-0.038 χ^2/NDF : 5468280.8/29

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: -18.665+/-10.554 χ^2/NDF : 11.9/10

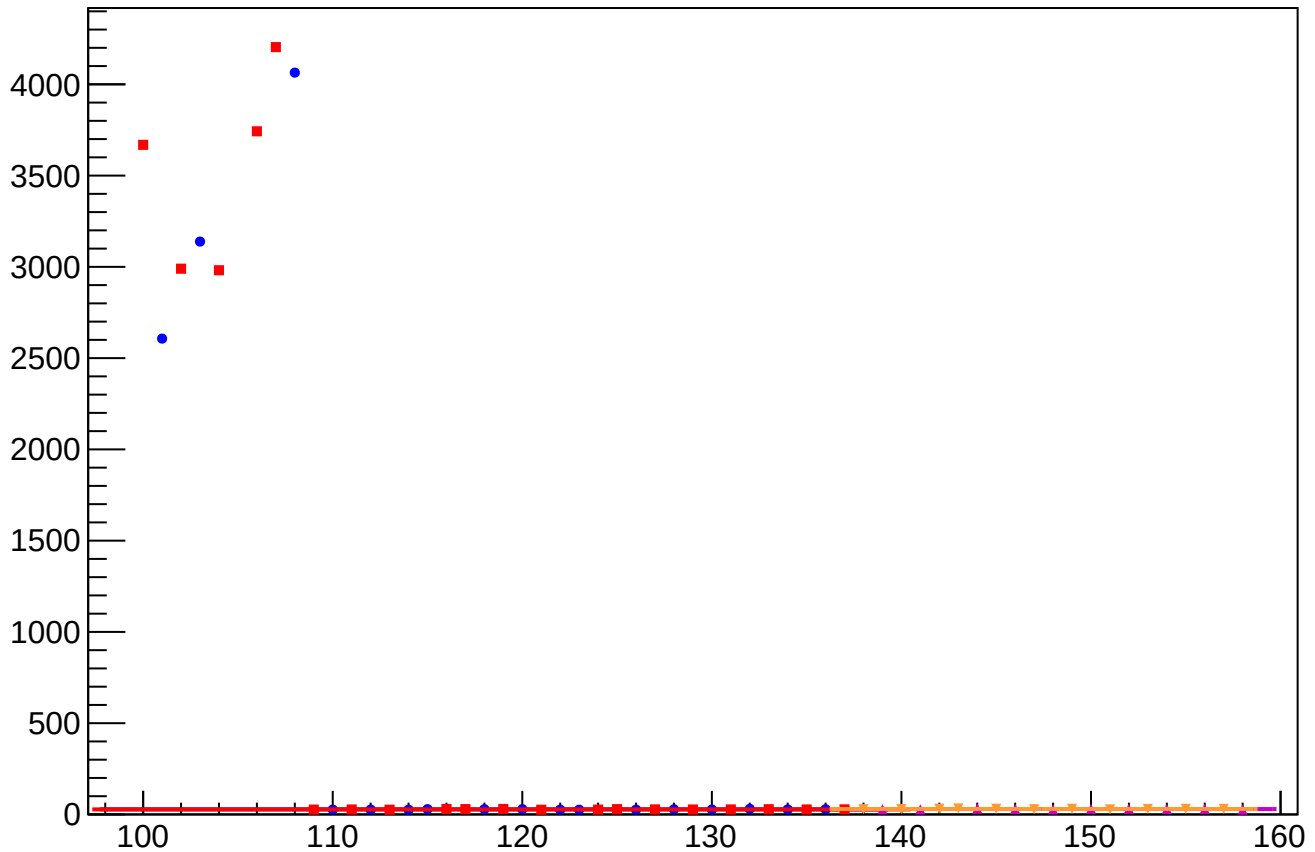
Right Out: -12.296+/-12.186 χ^2/NDF : 24.9/19

Left In: -6.679+/-10.412 χ^2/NDF : 8.5/9

-6.369+/-8.004 χ^2/NDF : 33.4/27

-9.049+/-7.916 χ^2/NDF : 33.5/29

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.855+/-0.009 χ^2/NDF : 3027666.8/16

Left Out: 30.065+/-0.007 χ^2/NDF : 31308.5/10

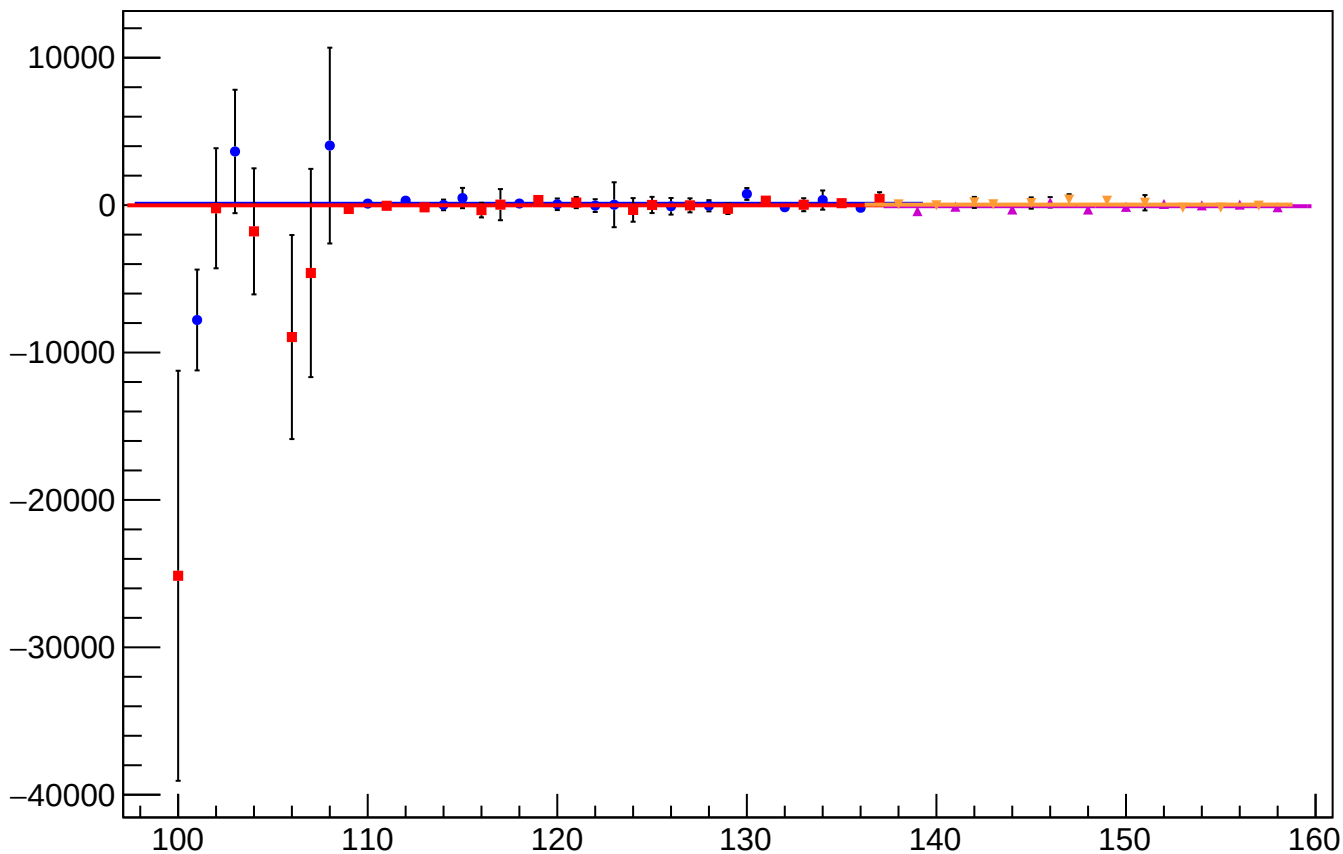
29.126+/-0.006 χ^2/NDF : 3096237.6/27

Right Out: 27.707+/-0.009 χ^2/NDF : 3477132.0/19

28.854+/-0.006 χ^2/NDF : 3564589.1/29

Left In: 29.691+/-0.007 χ^2/NDF : 56830.0/9

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: 35.437+/-87.150 χ^2/NDF : 3.8/10

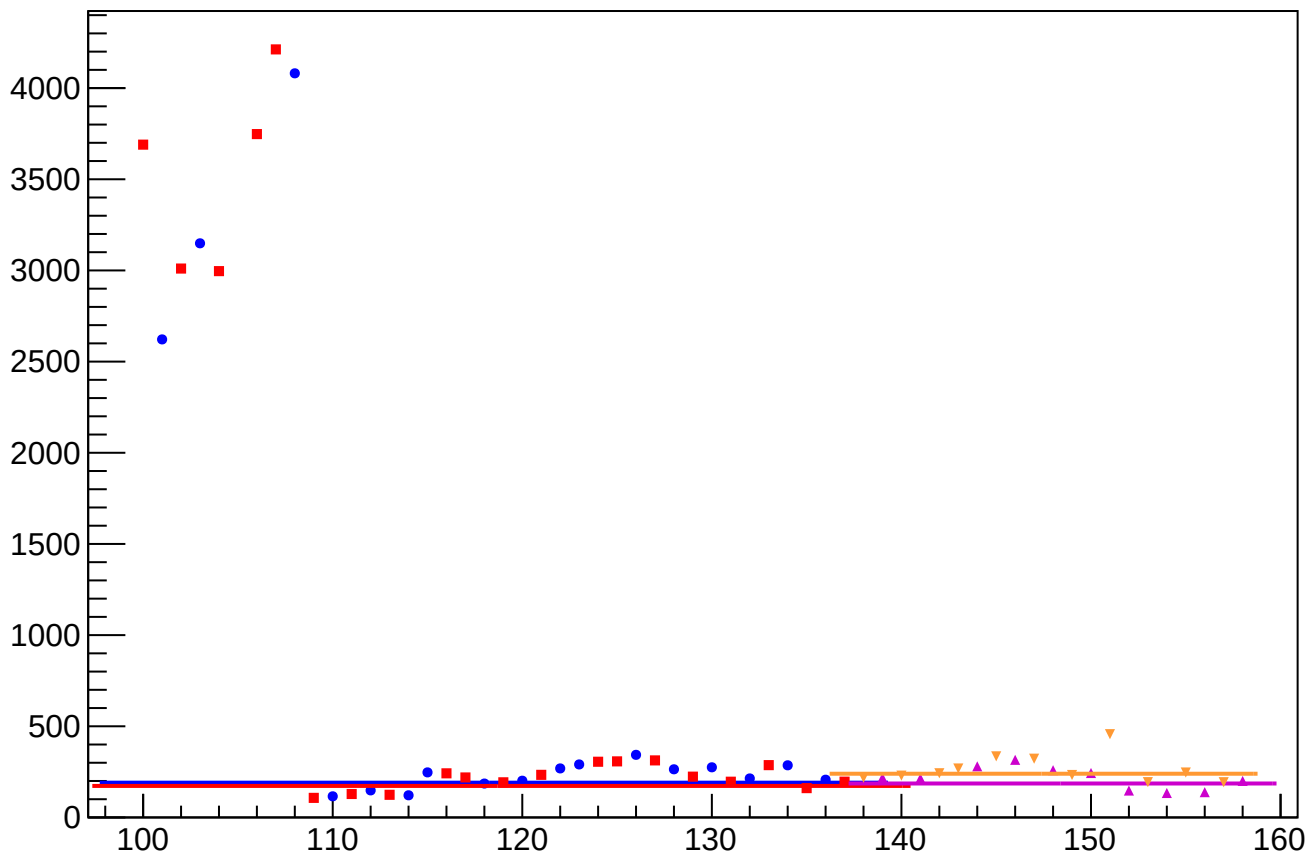
Right Out: -13.075+/-80.452 χ^2/NDF : 12.7/19

Left In: -73.899+/-70.232 χ^2/NDF : 4.6/9

62.790+/-61.974 χ^2/NDF : 16.7/27

-47.594+/-52.908 χ^2/NDF : 17.6/29

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: 239.807+/-0.062 χ^2/NDF : 778989.1/10

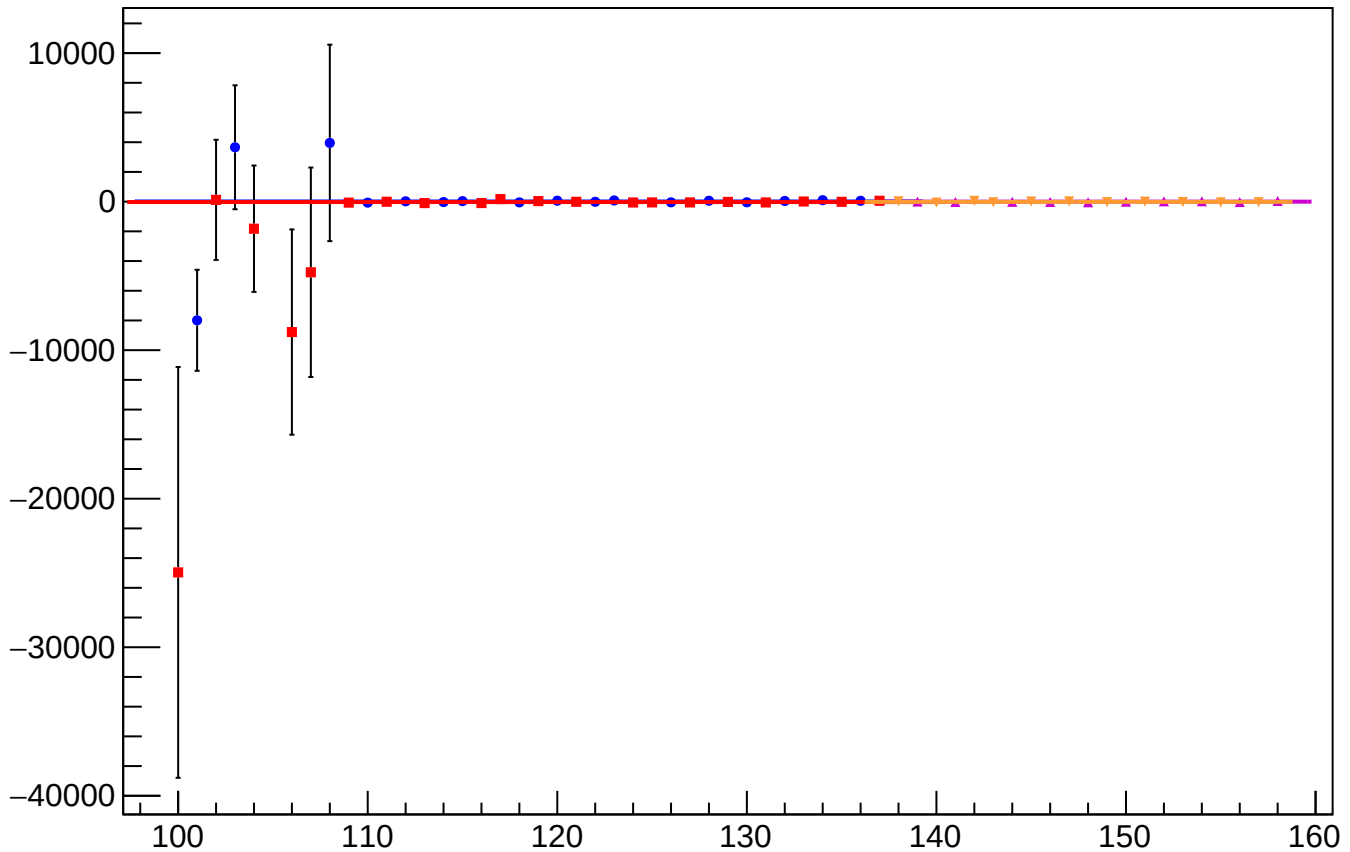
Right Out: 172.900+/-0.057 χ^2/NDF : 4222511.2/19

Left In: 186.248+/-0.050 χ^2/NDF : 1227199.1/9

215.568+/-0.044 χ^2/NDF : 4677025.7/27

180.475+/-0.037 χ^2/NDF : 5480954.2/29

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug



Right In: 8.600 $\pm$ 12.368 χ^2/NDF : 23.2/16

Left Out: -17.321 $\pm$ 10.636 χ^2/NDF : 8.8/10

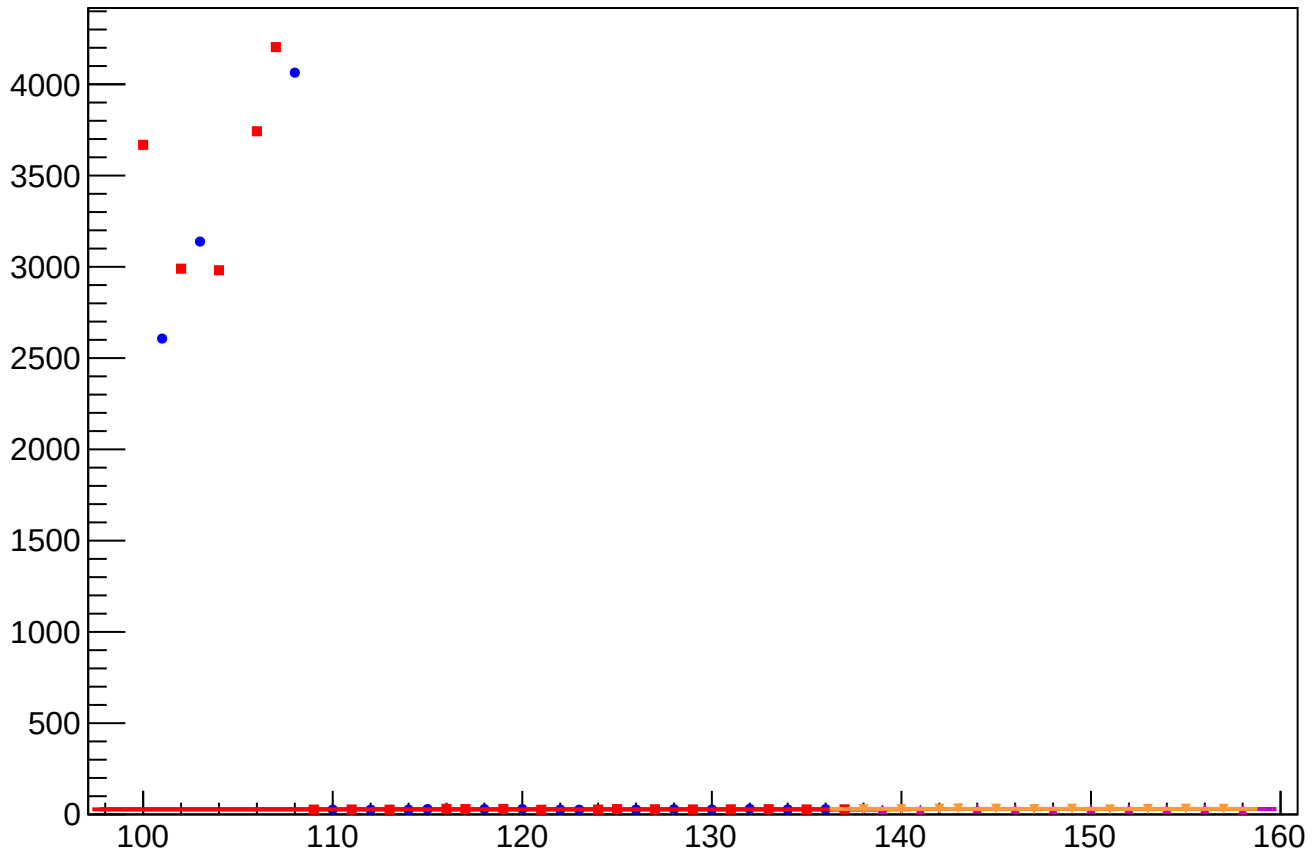
Right Out: -27.898 $\pm$ 12.287 χ^2/NDF : 18.8/19

Left In: -1.296 $\pm$ 10.472 χ^2/NDF : 6.6/9

-6.300 $\pm$ 8.064 χ^2/NDF : 34.5/27

-12.490 $\pm$ 7.970 χ^2/NDF : 28.1/29

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: 30.297+/-0.008 χ^2/NDF : 33312.8/10

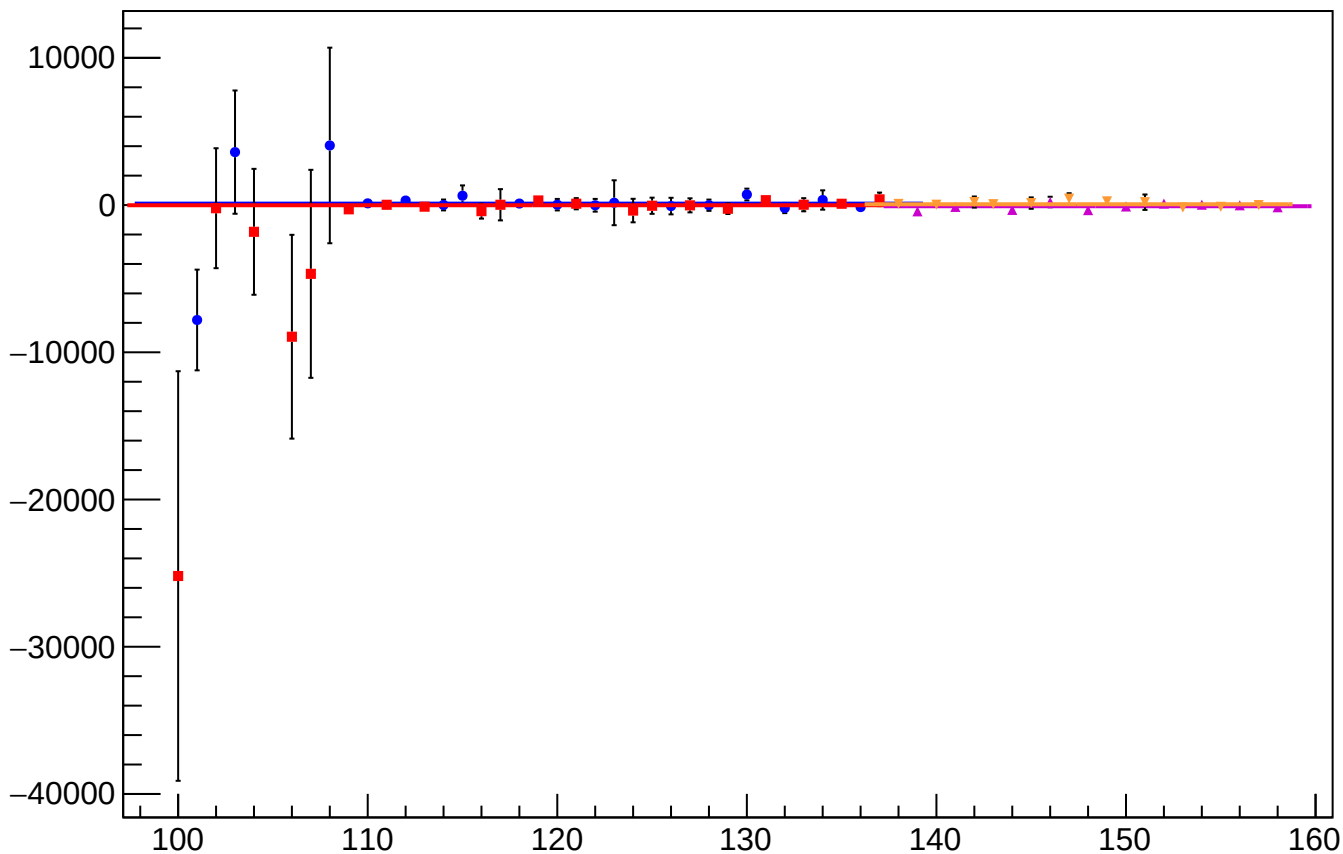
29.339+/-0.006 χ^2/NDF : 3099375.2/27

Right Out: 27.930+/-0.009 χ^2/NDF : 3479947.6/19

29.051+/-0.006 χ^2/NDF : 3567302.3/29

Left In: 29.866+/-0.007 χ^2/NDF : 58600.1/9

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: 56.133+/-88.170 χ^2/NDF : 3.3/10

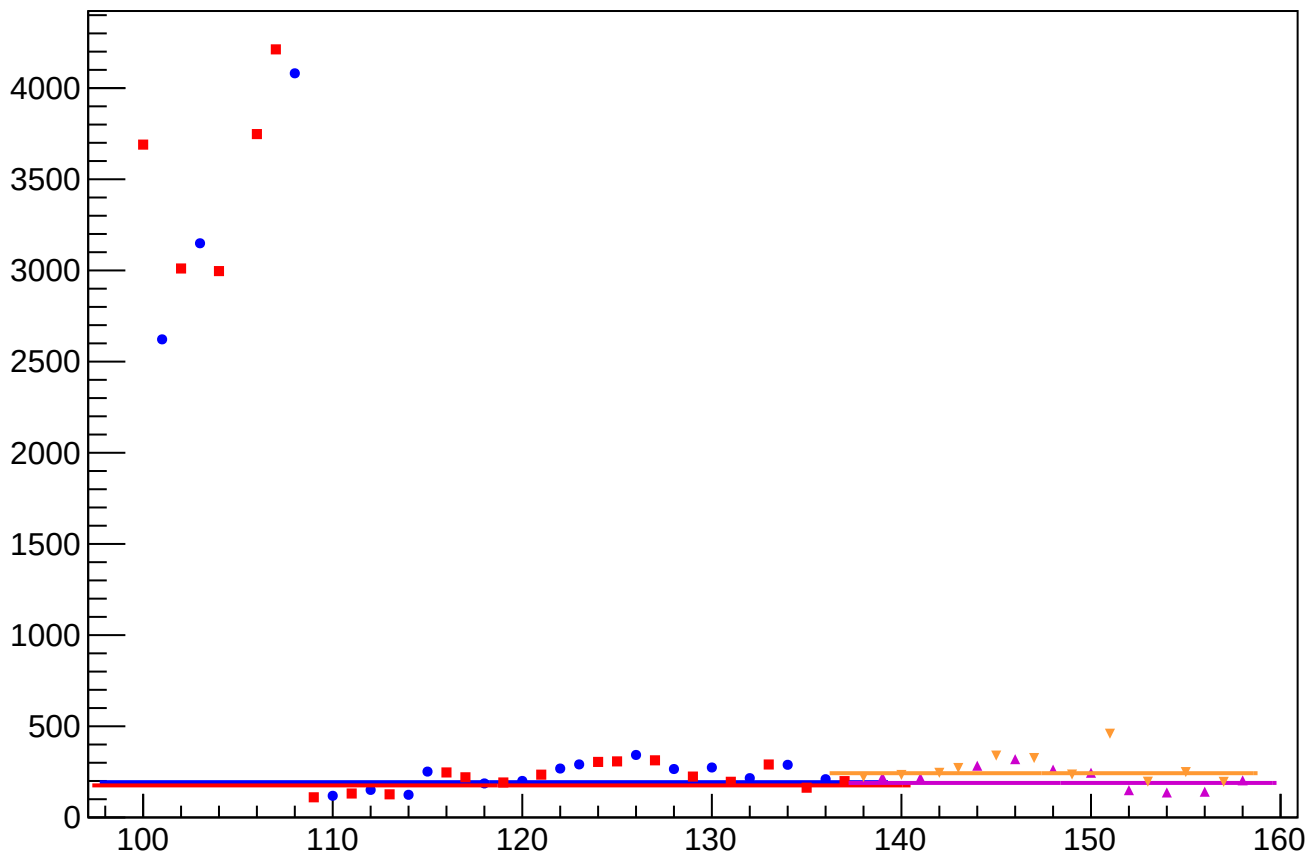
Right Out: -11.533+/-81.530 χ^2/NDF : 12.3/19

Left In: -78.313+/-71.290 χ^2/NDF : 5.3/9

76.893+/-62.708 χ^2/NDF : 15.9/27

-49.378+/-53.667 χ^2/NDF : 17.9/29

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 193.516+/-0.063 χ^2/NDF : 3536947.8/16

218.399+/-0.044 χ^2/NDF : 4617045.0/27

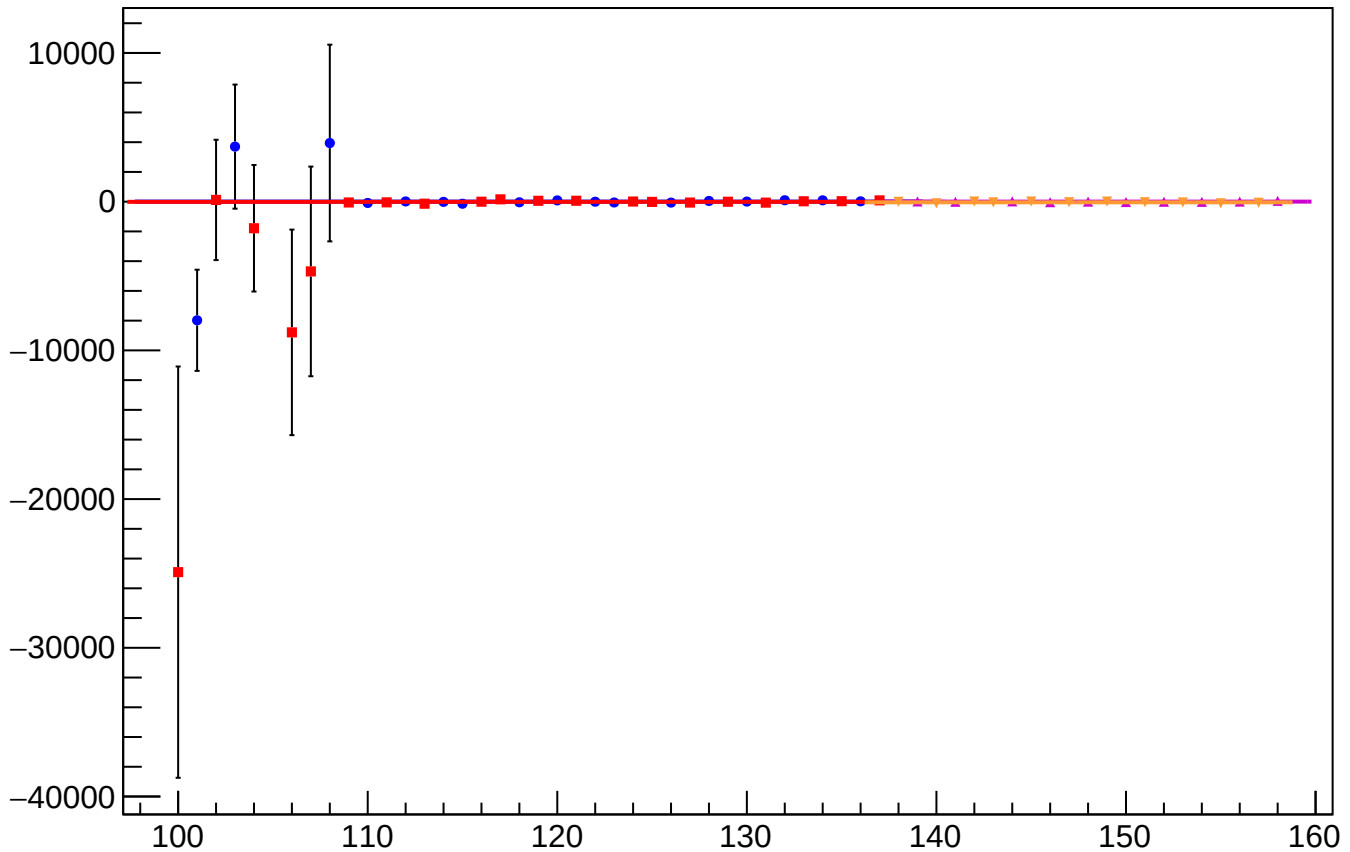
Left Out: 242.709+/-0.062 χ^2/NDF : 772438.4/10

Right Out: 175.774+/-0.058 χ^2/NDF : 4169115.6/19

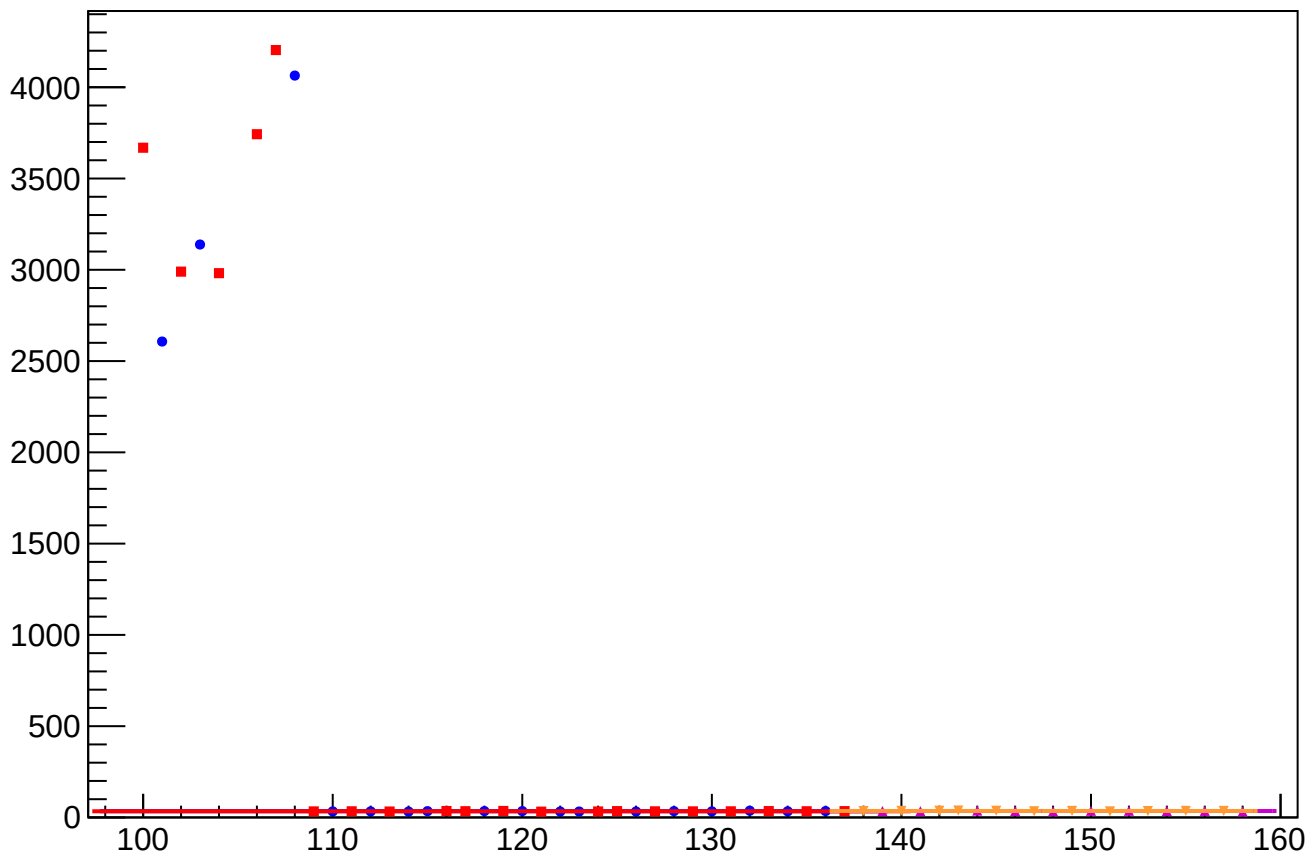
183.448+/-0.038 χ^2/NDF : 5401579.2/29

Left In: 189.316+/-0.050 χ^2/NDF : 1201194.1/9

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug



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: 35.547+/-0.009 χ^2/NDF :19400.4/10

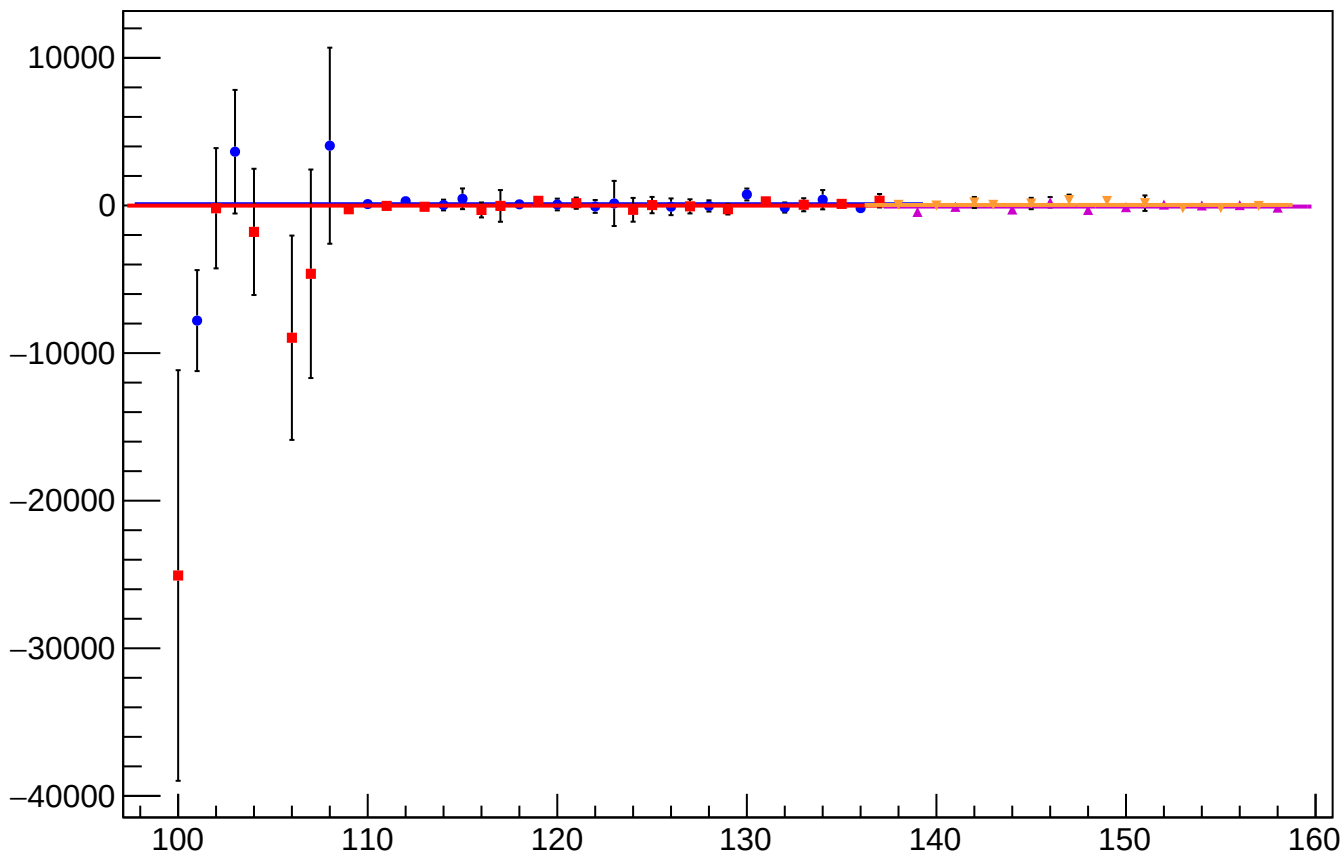
Right Out: 33.916+/-0.011 χ^2/NDF : 3451921.6/19

Left In: 35.324+/-0.009 χ^2/NDF :24670.7/9

34.986+/-0.007 χ^2/NDF : 3035883.1/27

34.749+/-0.007 χ^2/NDF : 3487183.9/29

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: 35.501+/-87.828 χ^2/NDF : 3.8/10

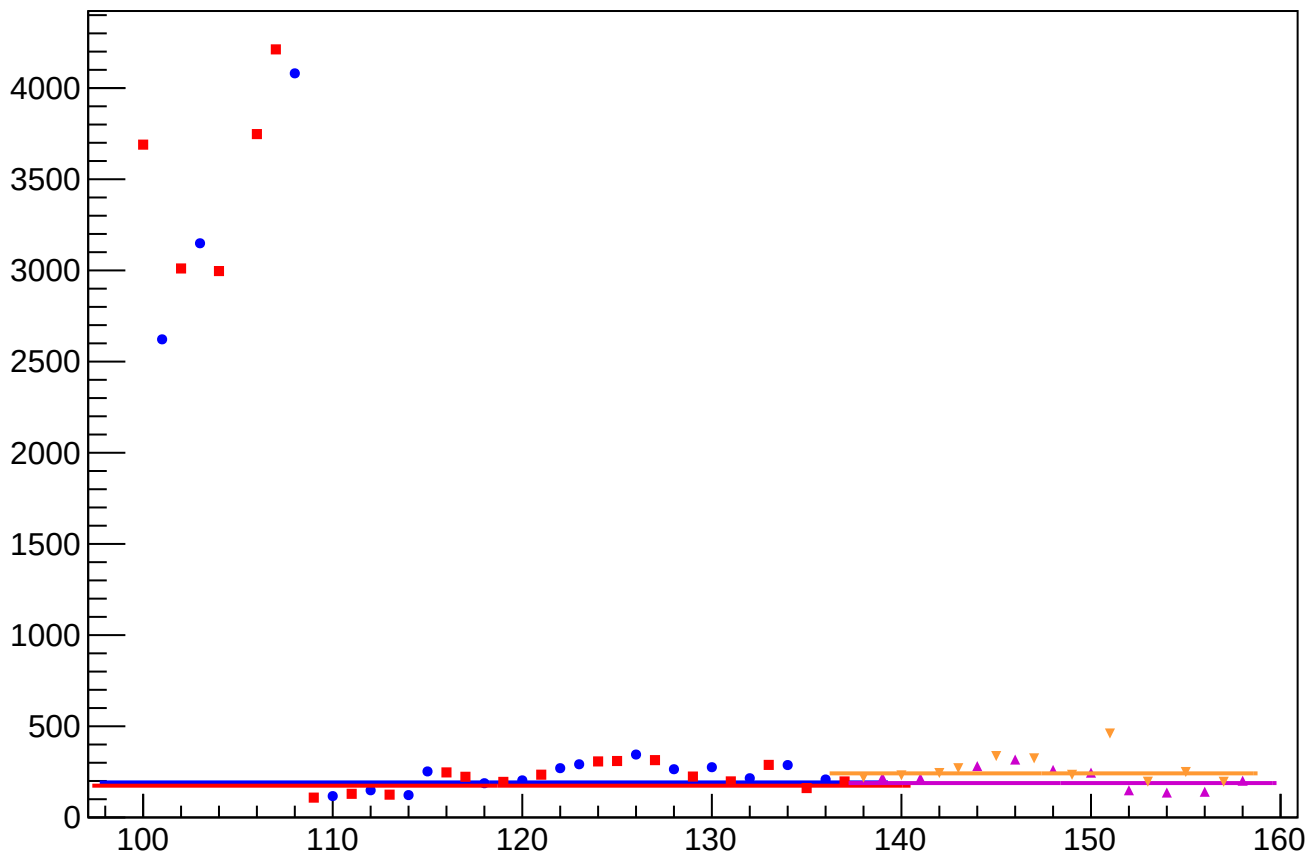
Right Out: -8.682+/-81.026 χ^2/NDF : 11.1/19

Left In: -73.742+/-71.001 χ^2/NDF : 4.8/9

59.748+/-62.426 χ^2/NDF : 16.5/27

-45.483+/-53.400 χ^2/NDF : 16.2/29

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: 241.768+/-0.062 χ^2/NDF : 769145.0/10

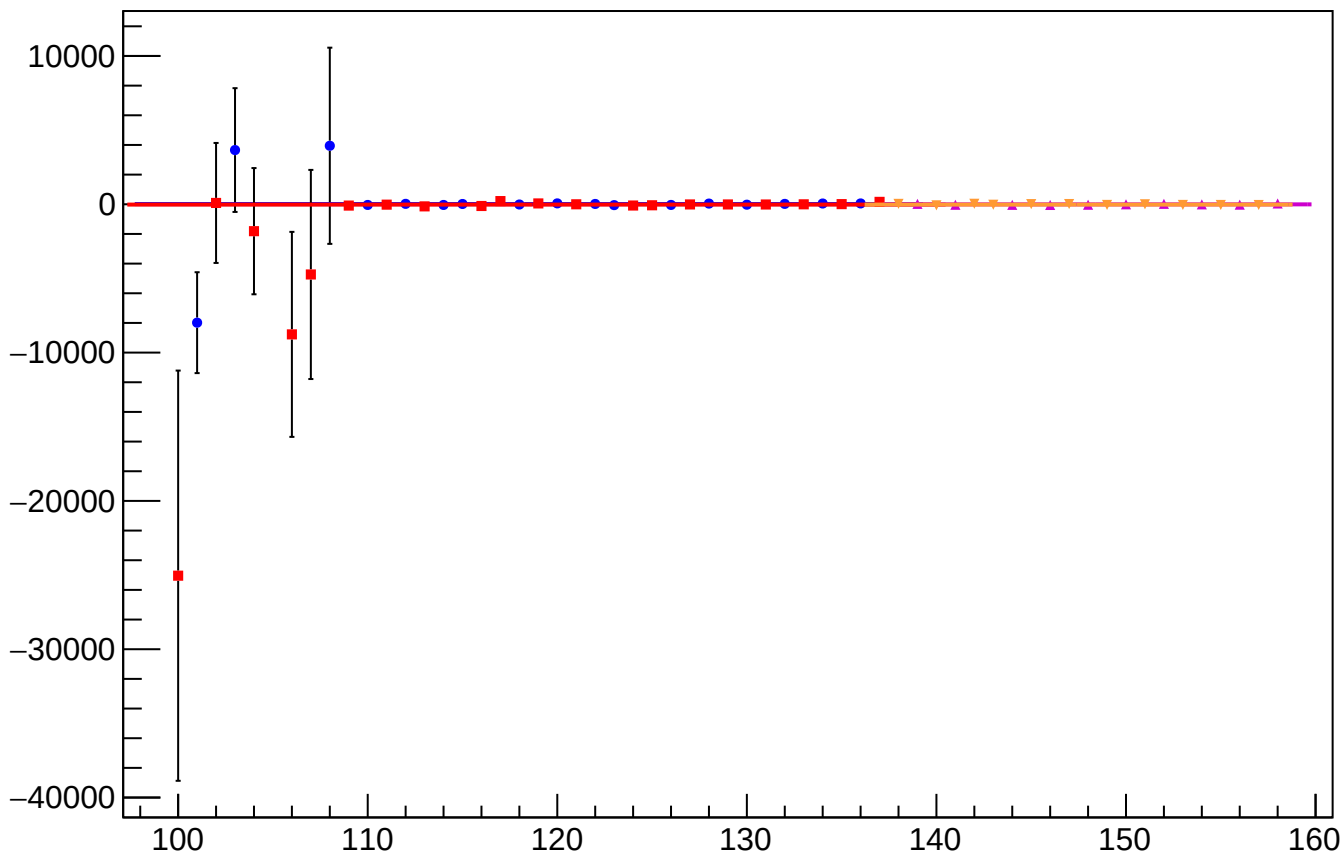
Right Out: 174.240+/-0.057 χ^2/NDF : 4215763.8/19

Left In: 188.568+/-0.050 χ^2/NDF : 1189033.2/9

217.231+/-0.044 χ^2/NDF : 4659271.2/27

182.345+/-0.038 χ^2/NDF : 5440176.8/29

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: -20.685+/-11.373 χ^2/NDF : 8.8/10

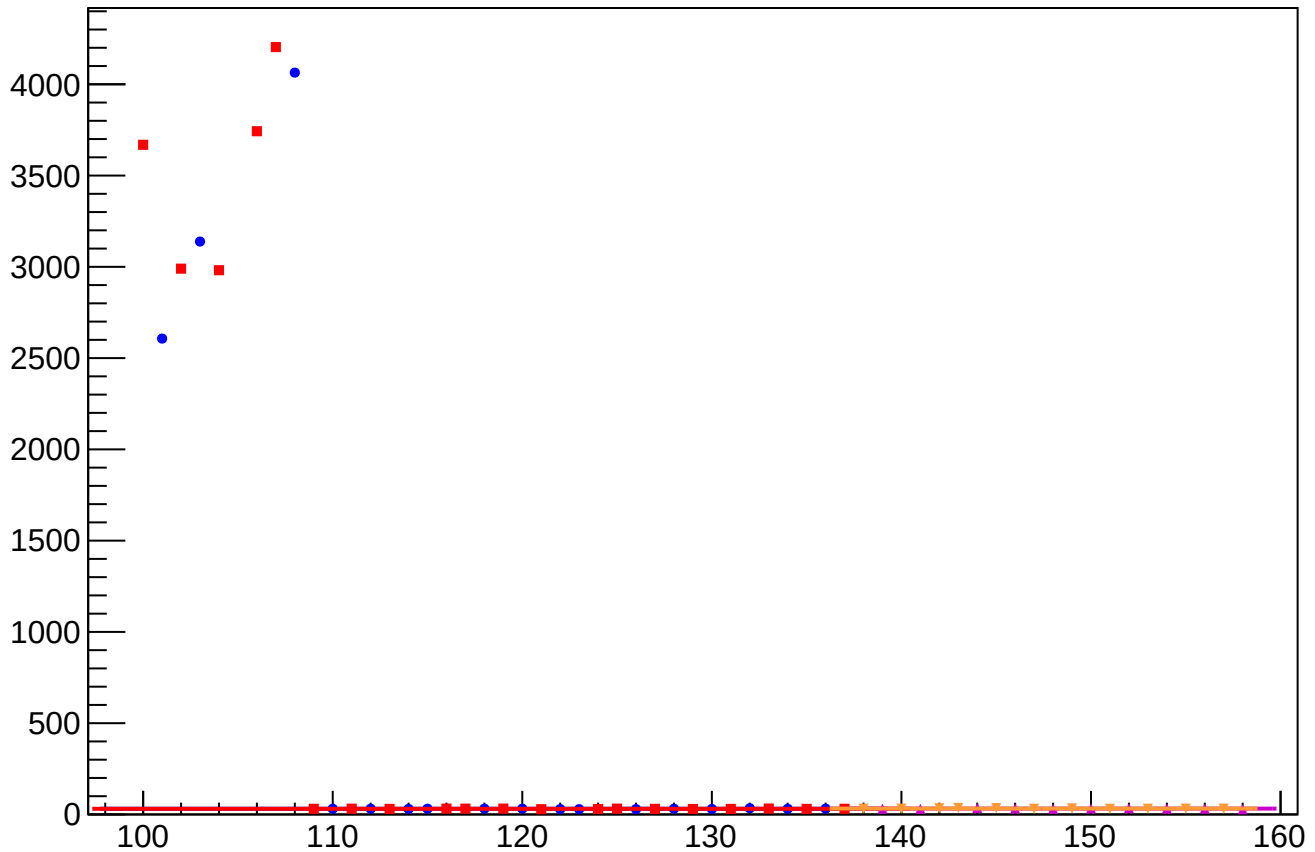
Right Out: -20.740+/-13.606 χ^2/NDF : 30.4/19

Left In: -5.472+/-11.220 χ^2/NDF : 8.7/9

-7.072+/-8.757 χ^2/NDF : 27.0/27

-11.652+/-8.656 χ^2/NDF : 39.8/29

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: 32.404+/-0.008 χ^2/NDF : 32941.0/10

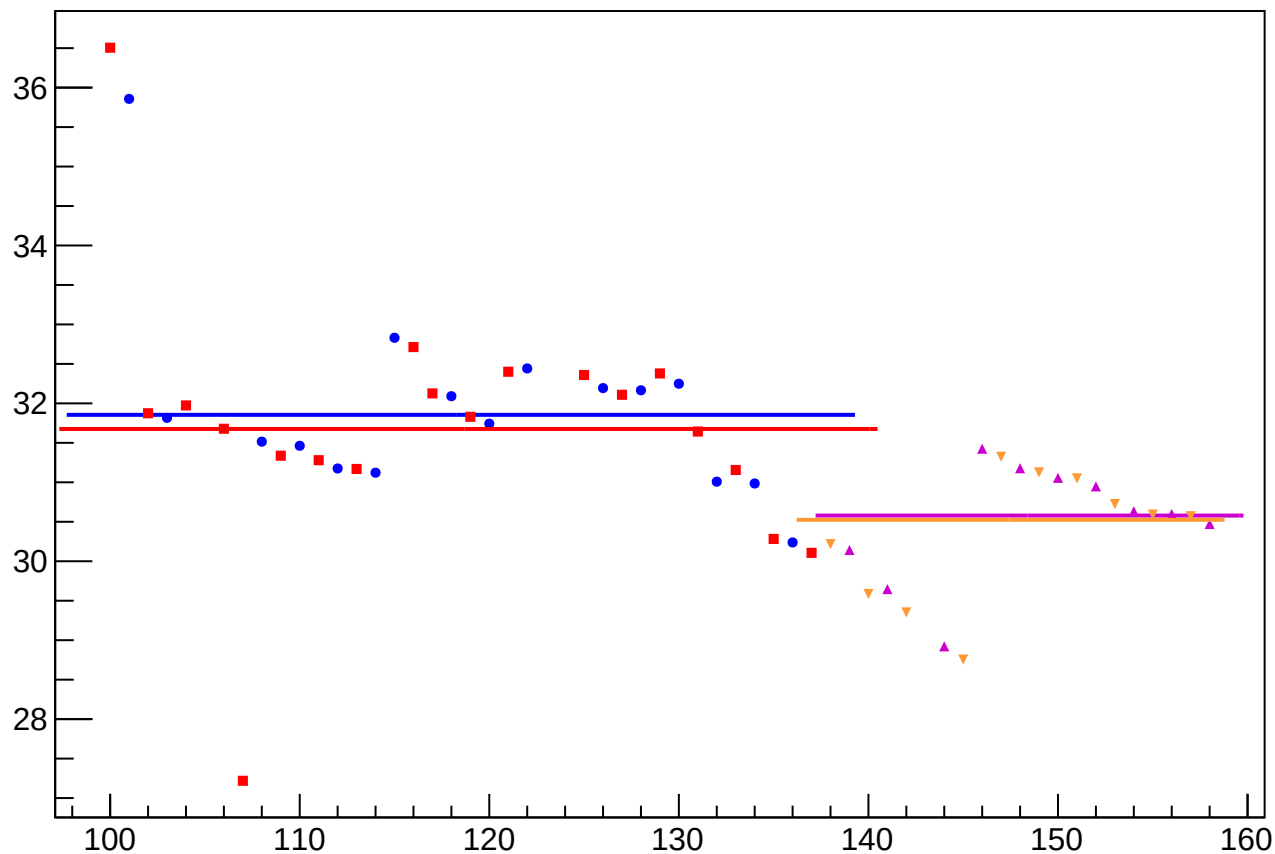
Right Out: 30.970+/-0.010 χ^2/NDF : 3458998.2/19

Left In: 31.995+/-0.008 χ^2/NDF : 53052.6/9

31.895+/-0.006 χ^2/NDF : 3057313.2/27

31.580+/-0.006 χ^2/NDF : 3518814.2/29

yield_usl_mean vs Slug



Right In: 31.855+/-0.000 χ^2/NDF : 1570522165.5/15

Left Out: 30.525+/-0.000 χ^2/NDF : 586610895.6/9

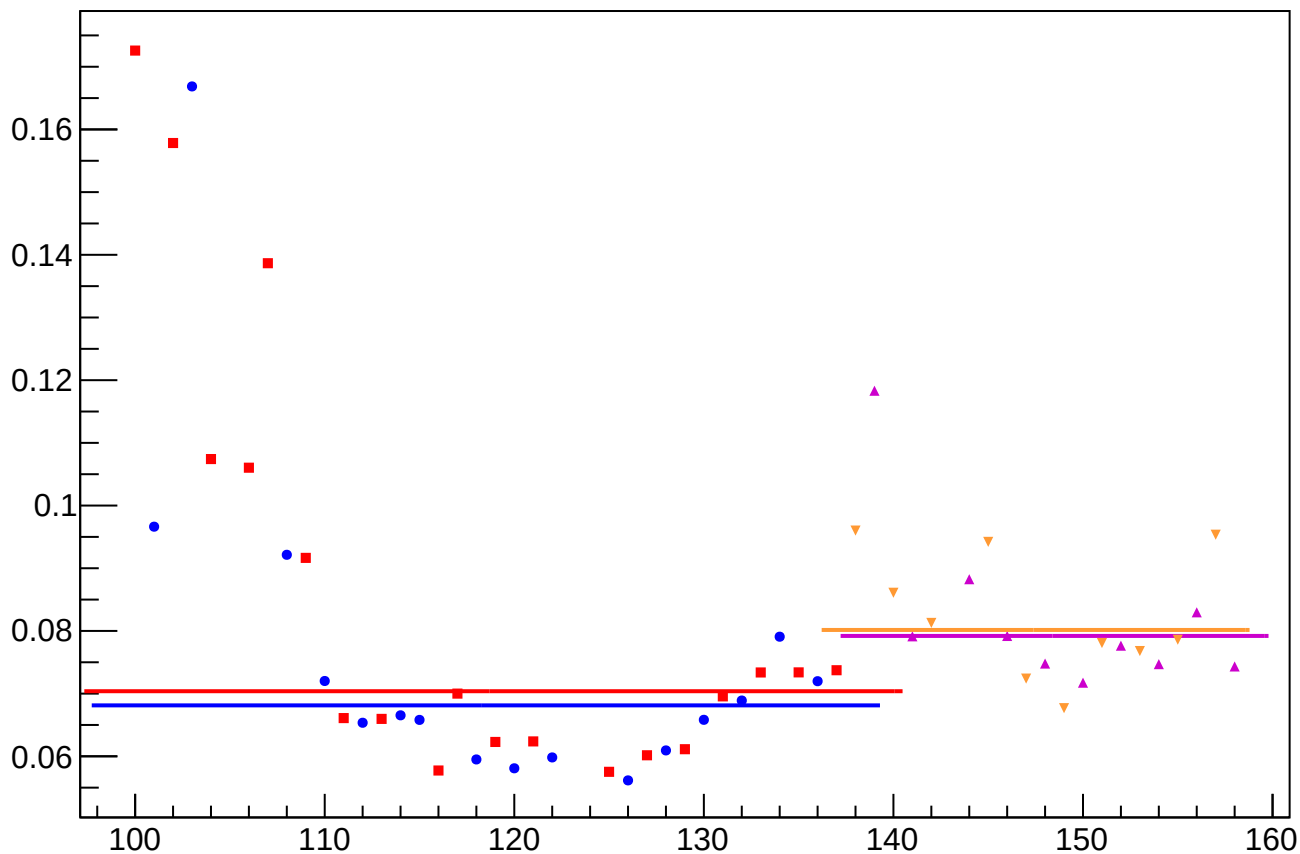
Right Out: 31.676+/-0.000 χ^2/NDF : 919678295.7/18

Left In: 30.579+/-0.000 χ^2/NDF : 562730374.1/9

31.252+/-0.000 χ^2/NDF : 3153450389.6/25

31.136+/-0.000 χ^2/NDF : 2194693286.1/28

yield_usl_rms vs Slug



Right In: 0.068 ± 0.000 χ^2/NDF : 629767.4/15

Left Out: 0.080 ± 0.000 χ^2/NDF : 178212.3/9

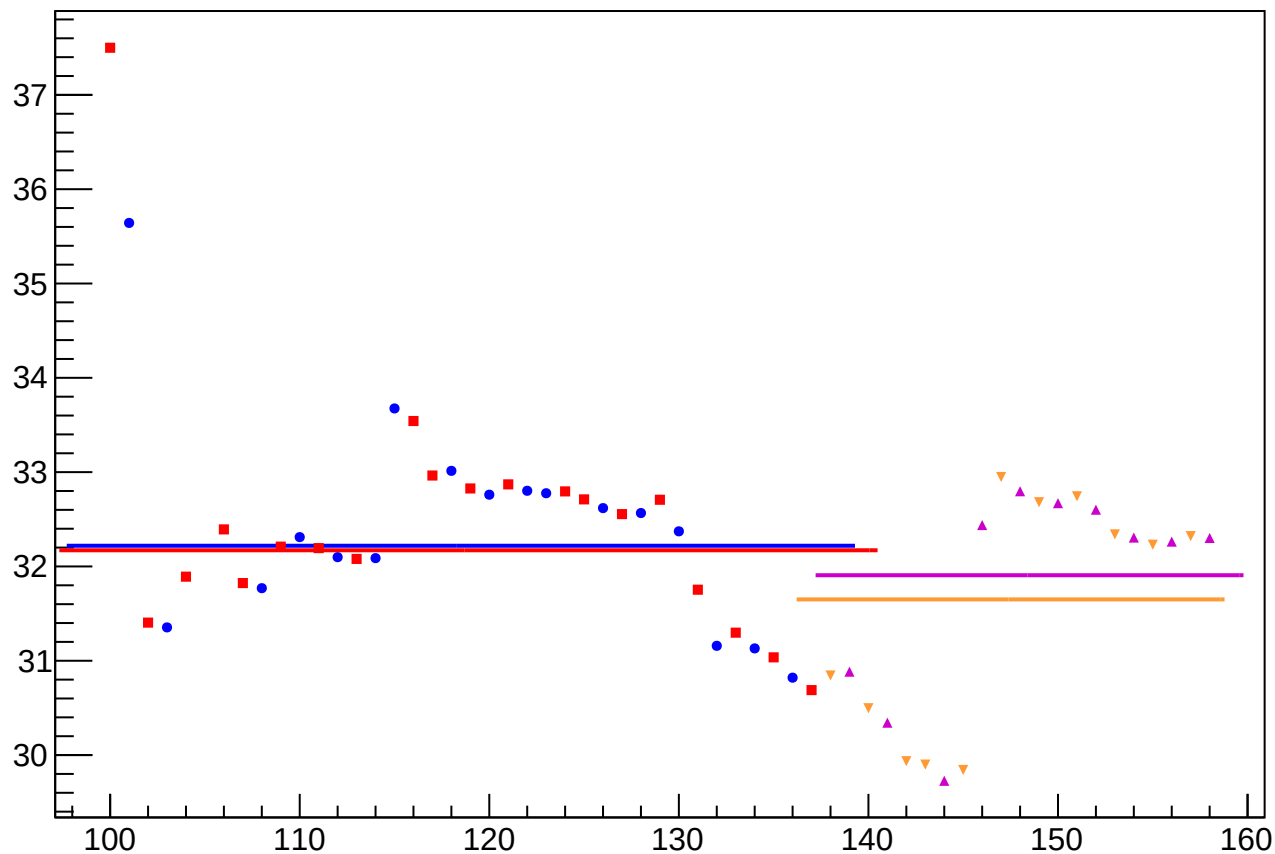
Right Out: 0.070 ± 0.000 χ^2/NDF : 841322.7/18

Left In: 0.079 ± 0.000 χ^2/NDF : 206211.9/9

0.074 ± 0.000 χ^2/NDF : 971023.9/25

0.075 ± 0.000 χ^2/NDF : 1139619.0/28

yield_usr_mean vs Slug



Right In: 32.220+/-0.000 χ^2/NDF : 1013864543.3/16

Left Out: 31.650+/-0.000 χ^2/NDF : 1694519120.4/10

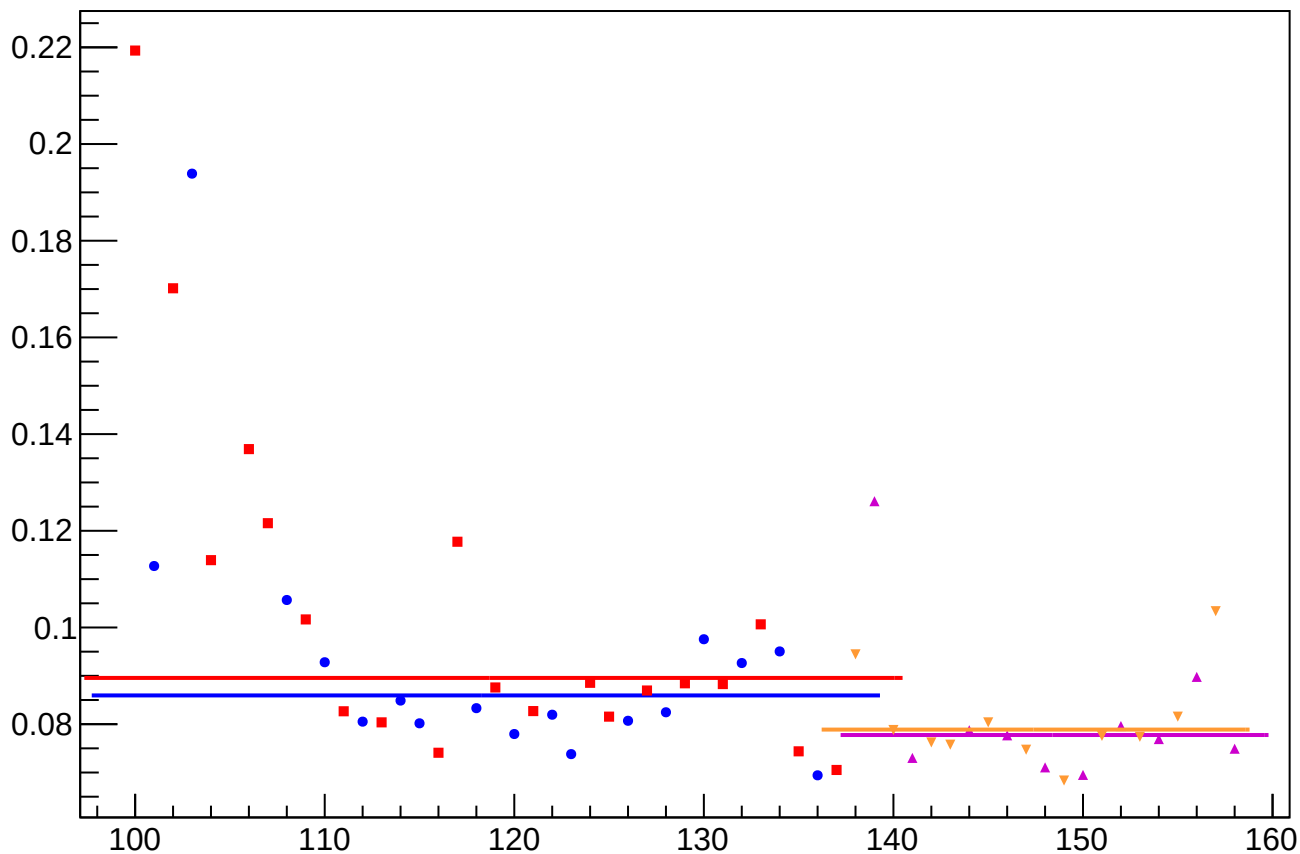
Right Out: 32.171+/-0.000 χ^2/NDF : 444137990.6/19

Left In: 31.907+/-0.000 χ^2/NDF : 1359989384.2/9

31.880+/-0.000 χ^2/NDF : 2860023194.4/27

32.009+/-0.000 χ^2/NDF : 1837257458.7/29

yield_usr_rms vs Slug



Right In: 0.086+/-0.000 χ^2/NDF : 553280.3/16

Left Out: 0.079+/-0.000 χ^2/NDF : 154904.2/10

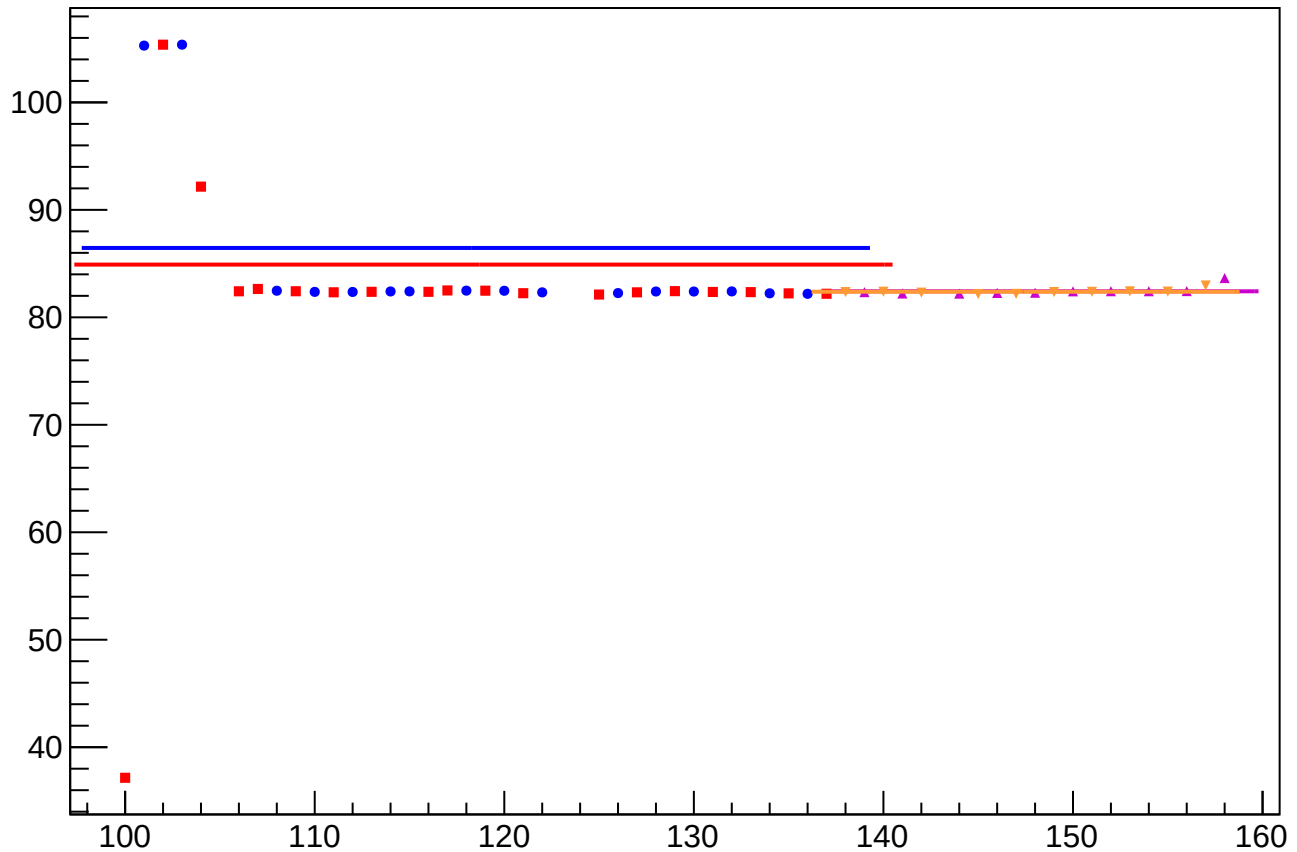
Right Out: 0.090+/-0.000 χ^2/NDF : 544516.7/19

Left In: 0.078+/-0.000 χ^2/NDF : 277956.3/9

0.082+/-0.000 χ^2/NDF : 754938.1/27

0.082+/-0.000 χ^2/NDF : 954459.1/29

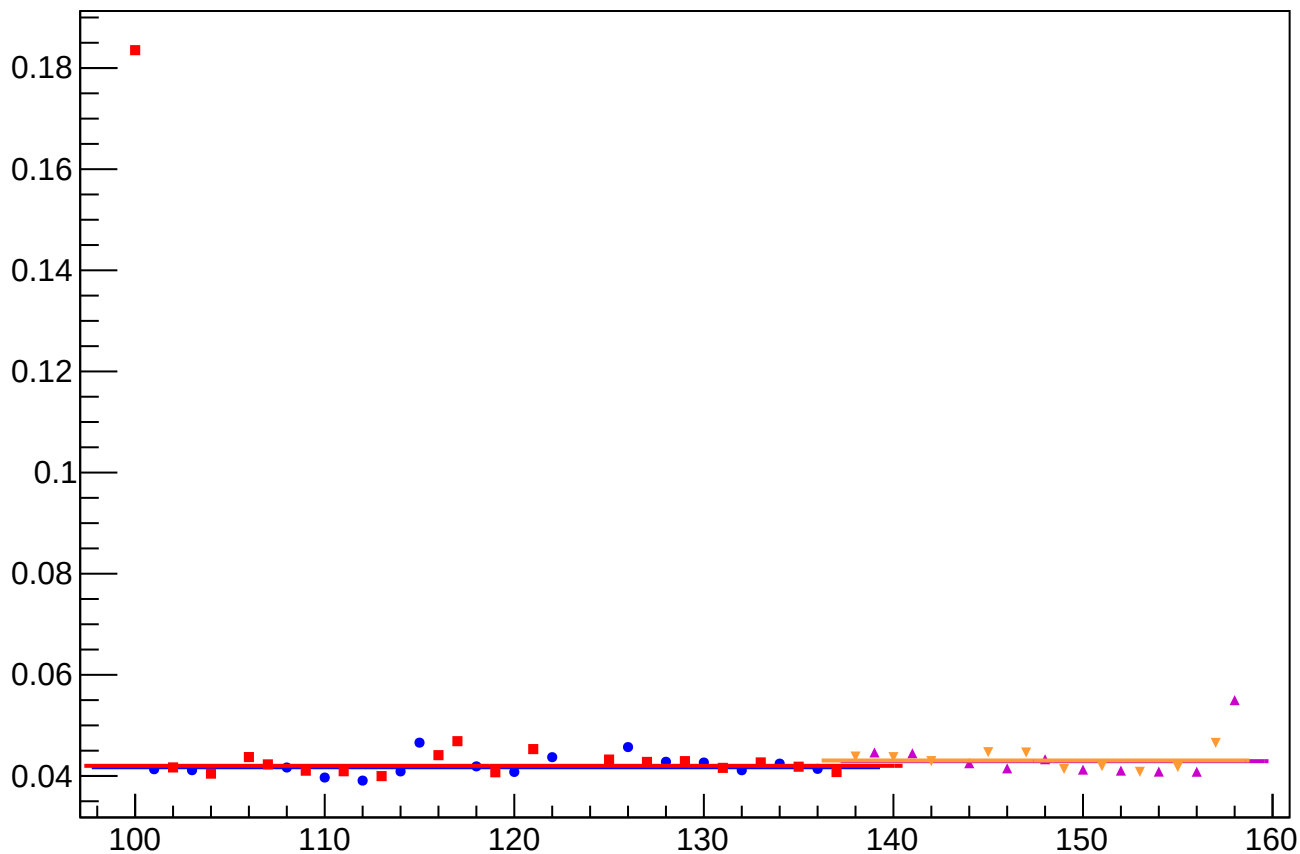
yield_dsl_mean vs Slug



Right In: 86.457+/-0.000 χ^2/NDF : 291421048436.2/15
Left Out: 82.384+/-0.000 χ^2/NDF : 149520566.7/9
Right Out: 84.908+/-0.000 χ^2/NDF : 172306803858.3/18
Left In: 82.422+/-0.000 χ^2/NDF : 457523849.4/9

84.368+/-0.000 χ^2/NDF : 323628599653.9/25
83.600+/-0.000 χ^2/NDF : 185520998721.6/28

yield_dsl_rms vs Slug



Right In: 0.042 $\pm$ 0.000 $\chi^2/\text{NDF}: 18887.0/15$

Left Out: 0.043 $\pm$ 0.000 $\chi^2/\text{NDF}: 23090.7/9$

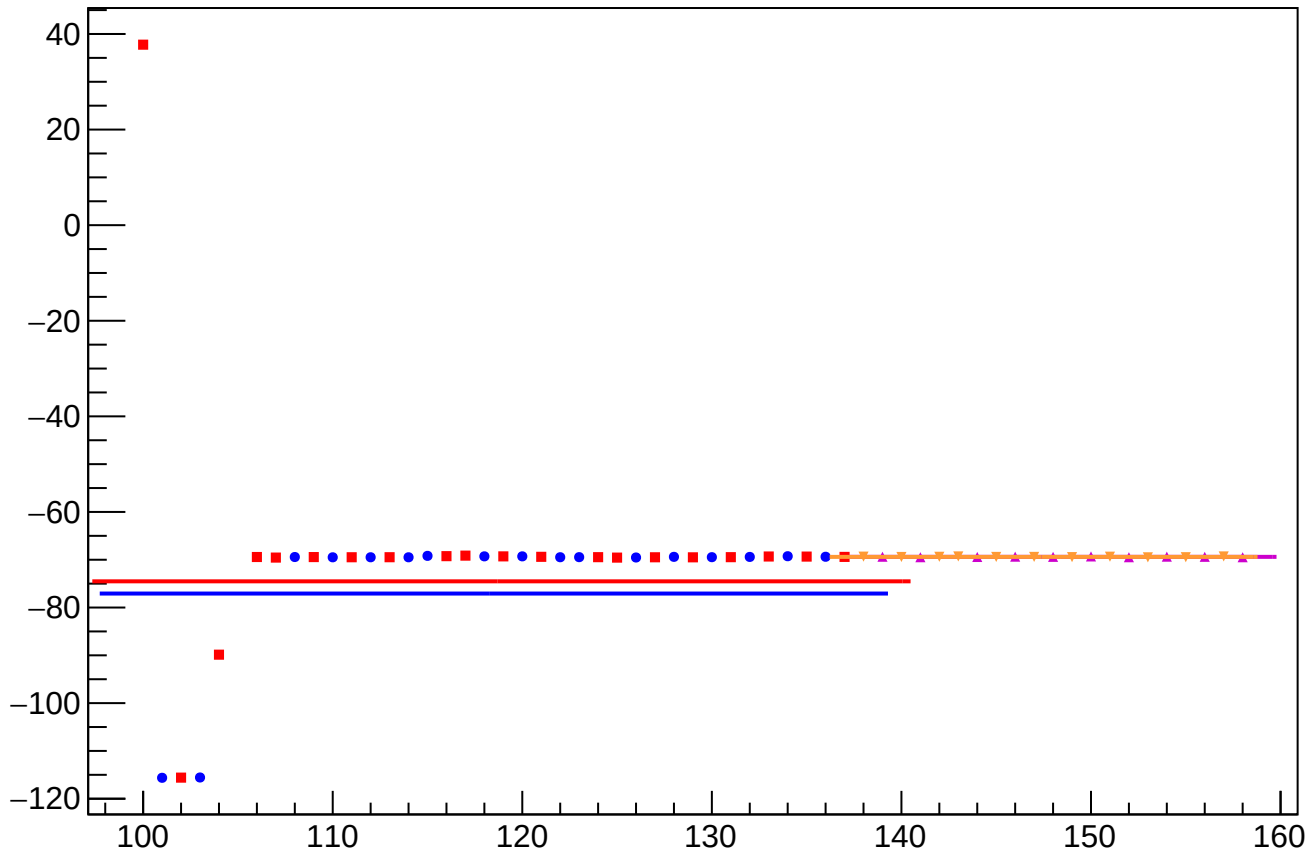
Right Out: 0.042 $\pm$ 0.000 $\chi^2/\text{NDF}: 97785.5/18$

Left In: 0.043 $\pm$ 0.000 $\chi^2/\text{NDF}: 97044.4/9$

0.042 $\pm$ 0.000 $\chi^2/\text{NDF}: 48843.4/25$

0.042 $\pm$ 0.000 $\chi^2/\text{NDF}: 198331.9/28$

yield_dsr_mean vs Slug



Right In: -77.074 ± 0.000 χ^2/NDF : 565391865606.1/16

-72.750 ± 0.000 χ^2/NDF : 628918027468.5/27

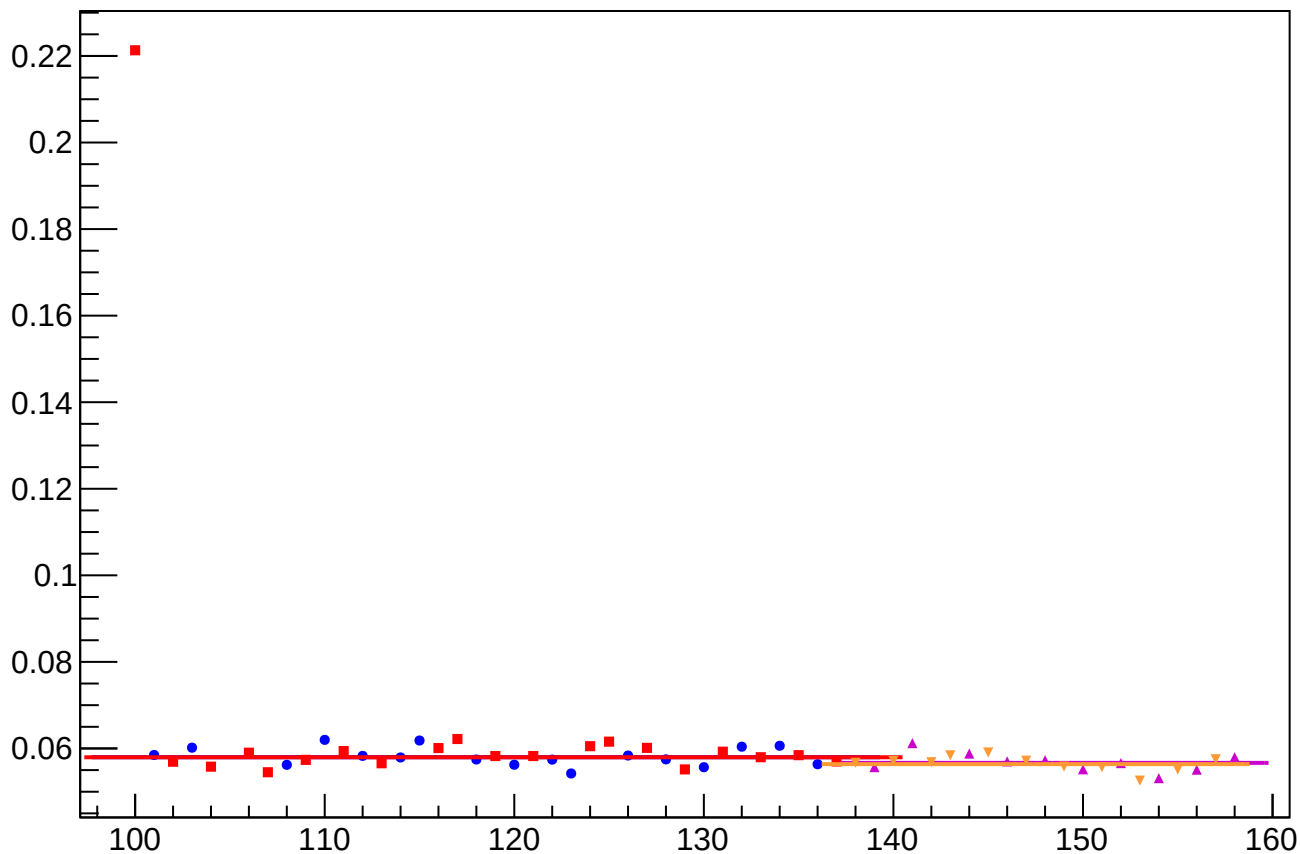
Left Out: -69.403 ± 0.000 χ^2/NDF : 8918571.5/10

Right Out: -74.518 ± 0.000 χ^2/NDF : 372210051226.2/19

-71.726 ± 0.000 χ^2/NDF : 401573777512.0/29

Left In: -69.397 ± 0.000 χ^2/NDF : 7543497.9/9

yield_dsr_rms vs Slug



Right In: 0.058+/-0.000 χ^2/NDF : 12275.6/16

Left Out: 0.056+/-0.000 χ^2/NDF : 15144.0/10

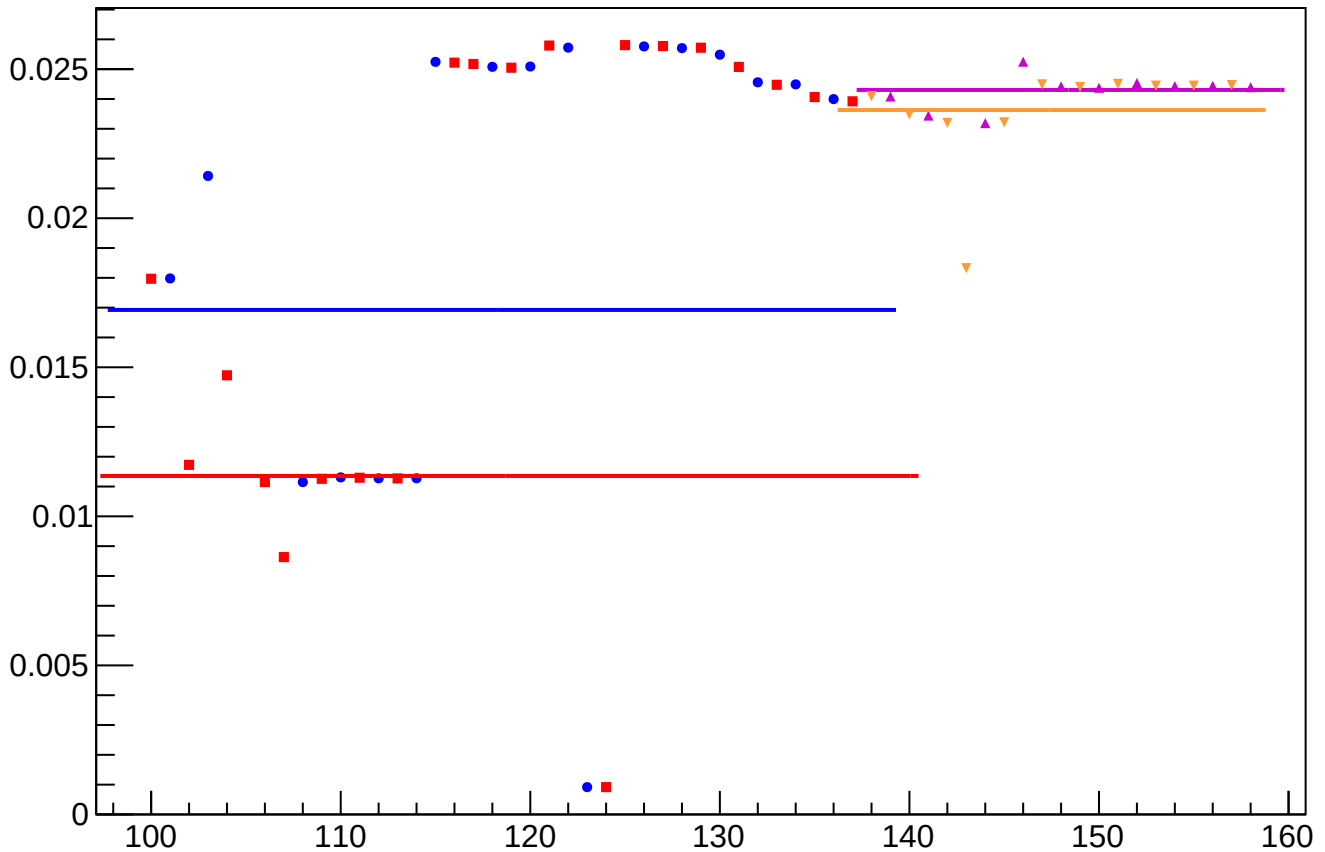
Right Out: 0.058+/-0.000 χ^2/NDF : 86860.7/19

Left In: 0.057+/-0.000 χ^2/NDF : 22401.6/9

0.057+/-0.000 χ^2/NDF : 32918.1/27

0.057+/-0.000 χ^2/NDF : 113018.5/29

yield_atl1_mean vs Slug



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 126447785006.7/16

Left Out: 0.024 $\pm$ 0.000 χ^2 /NDF: 4842953740.3/10

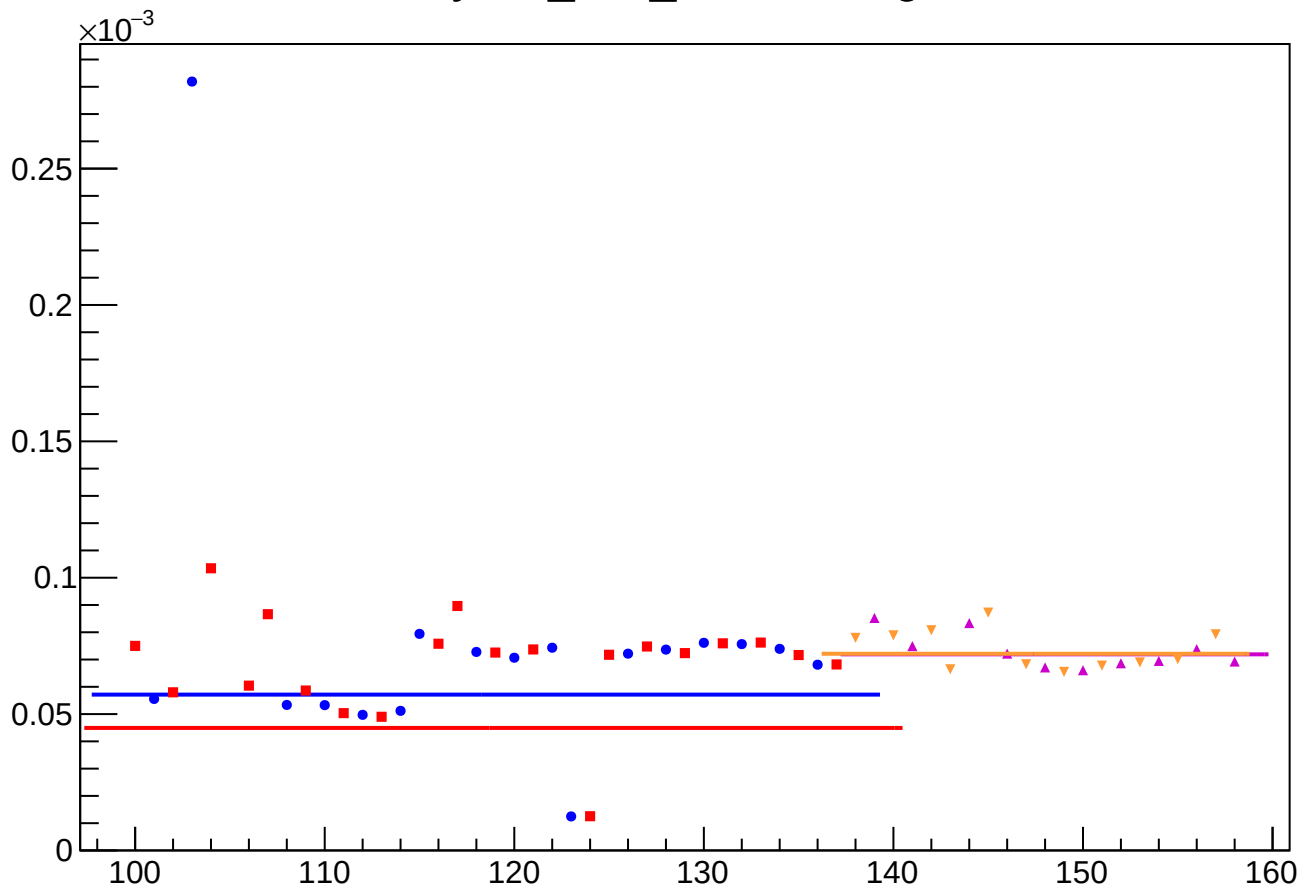
0.020 $\pm$ 0.000 χ^2 /NDF: 167005289167.9/27

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 235754579473.9/19

0.016 $\pm$ 0.000 χ^2 /NDF: 393622957208.1/29

Left In: 0.024 $\pm$ 0.000 χ^2 /NDF: 415694291.8/9

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 :125743.6/10

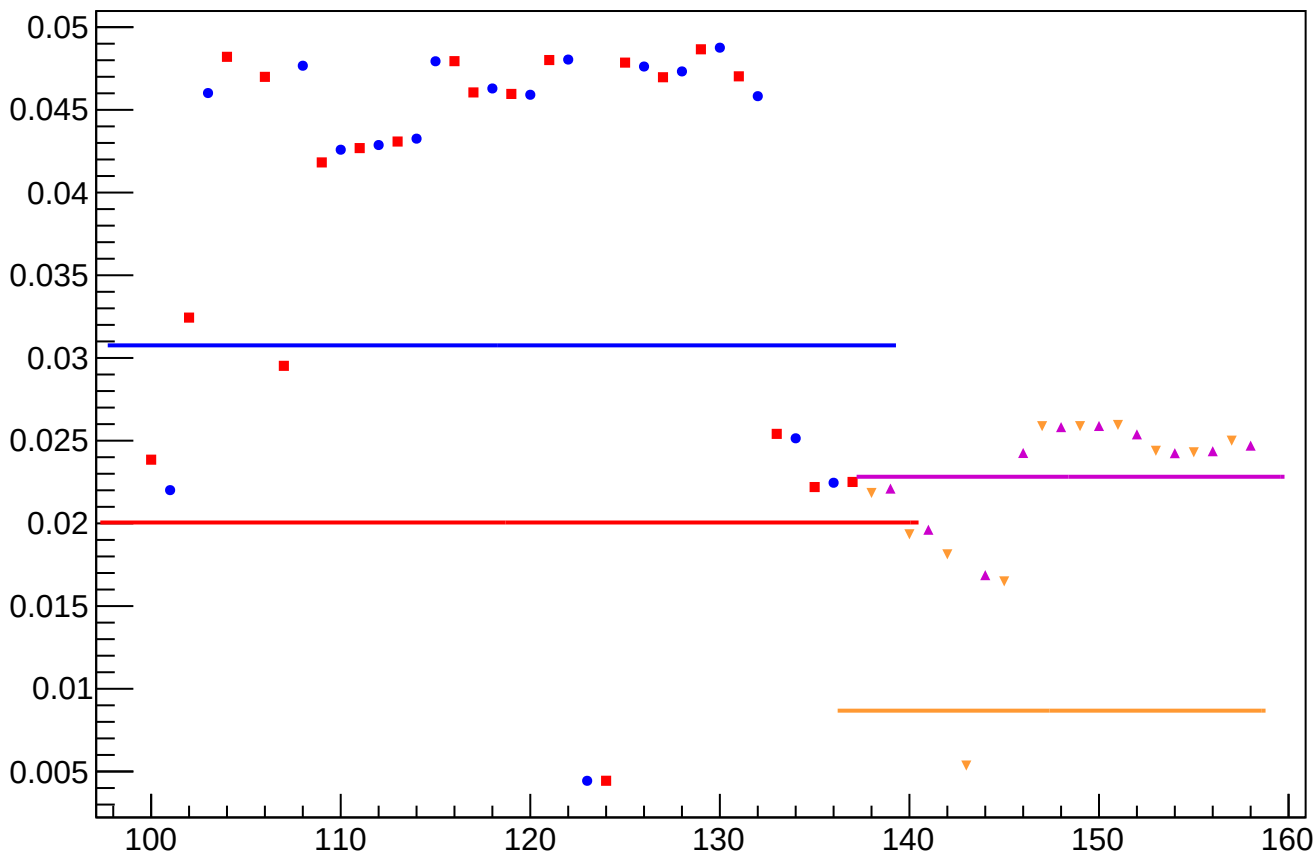
Right Out: 0.000+/-0.000 χ^2/NDF : 3613155.3/19

Left In: 0.000+/-0.000 χ^2/NDF :99362.9/9

0.000+/-0.000 χ^2/NDF : 2482741.3/27

0.000+/-0.000 χ^2/NDF : 5080396.3/29

yield_atl2_mean vs Slug



Right In: 0.031 $\pm$ 0.000 χ^2/NDF : 21174738549.0/16

Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 20831225990.8/10

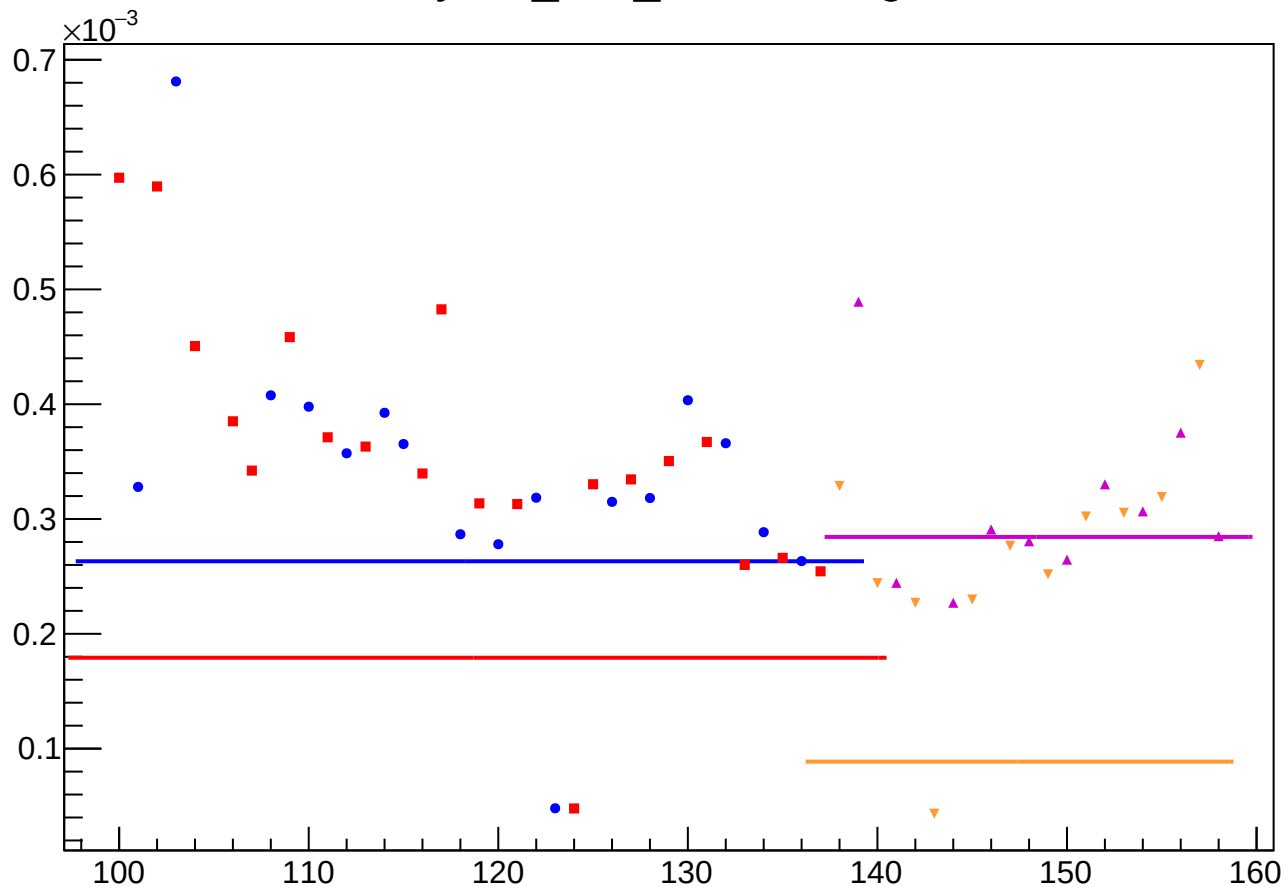
Right Out: 0.020 $\pm$ 0.000 χ^2/NDF : 40133684916.8/19

Left In: 0.023 $\pm$ 0.000 χ^2/NDF : 978054109.3/9

0.012 $\pm$ 0.000 χ^2/NDF : 71679060783.9/27

0.021 $\pm$ 0.000 χ^2/NDF : 41499663578.0/29

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 : 7753006.1/10

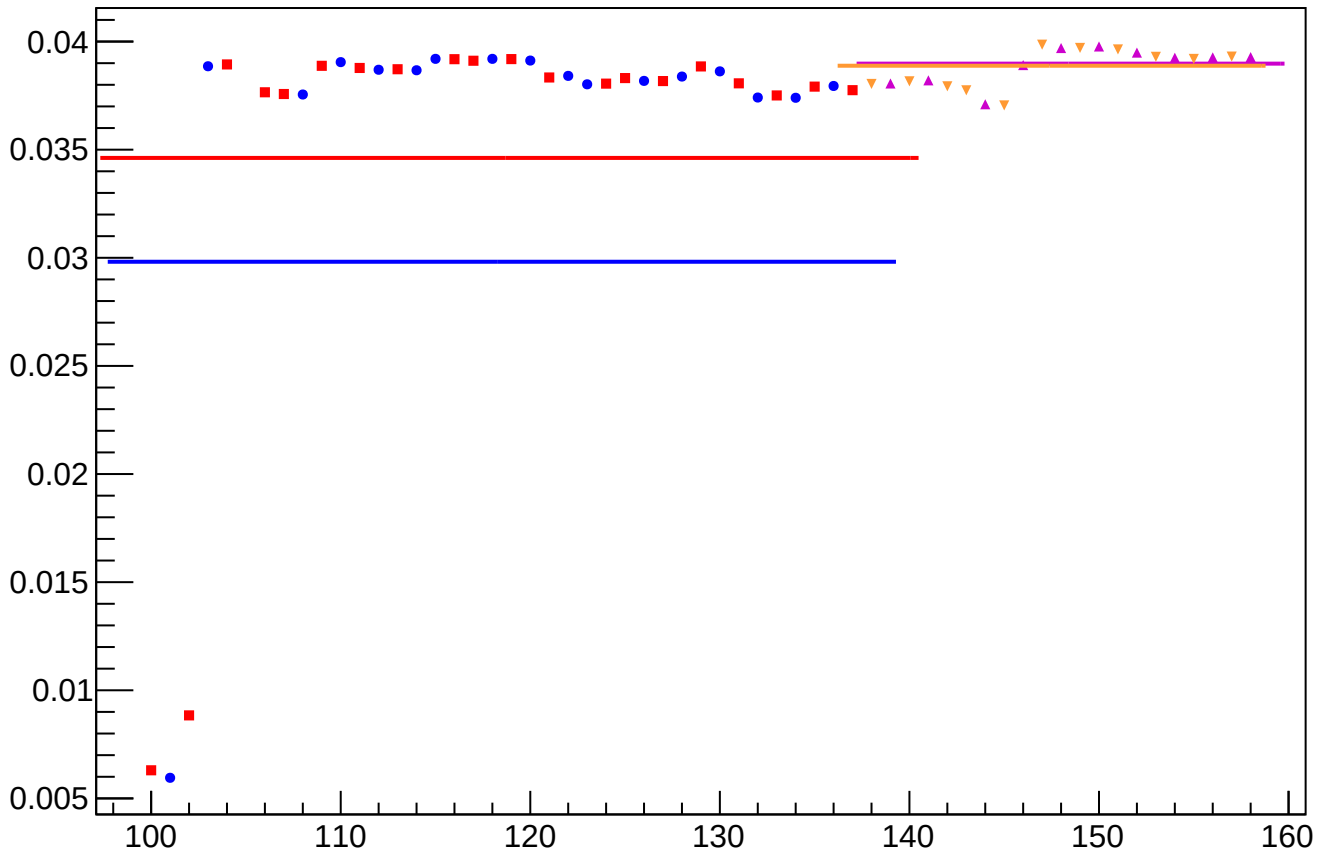
Right Out: 0.000+/-0.000 χ^2/NDF : 5374355.8/19

Left In: 0.000+/-0.000 χ^2/NDF : 512151.1/9

0.000+/-0.000 χ^2/NDF : 13860242.1/27

0.000+/-0.000 χ^2/NDF : 7009760.2/29

yield_atr1_mean vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 97152184939.3/16

Left Out: 0.039+/-0.000 χ^2/NDF : 330161398.2/10

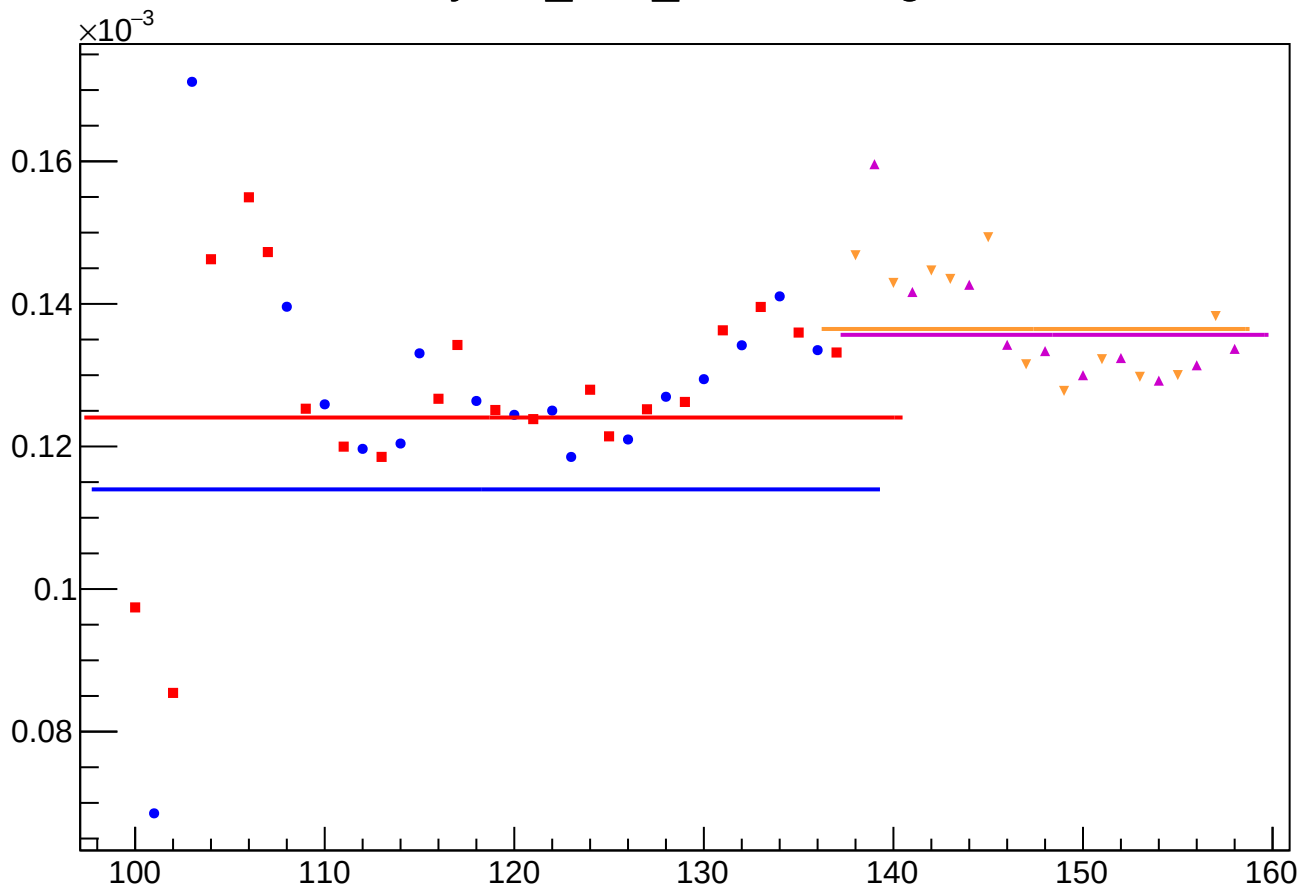
0.034+/-0.000 χ^2/NDF : 115803642637.6/27

Right Out: 0.035+/-0.000 χ^2/NDF : 43717644957.2/19

0.037+/-0.000 χ^2/NDF : 48107449433.3/29

Left In: 0.039+/-0.000 χ^2/NDF : 269016866.2/9

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 : 46070.8/10

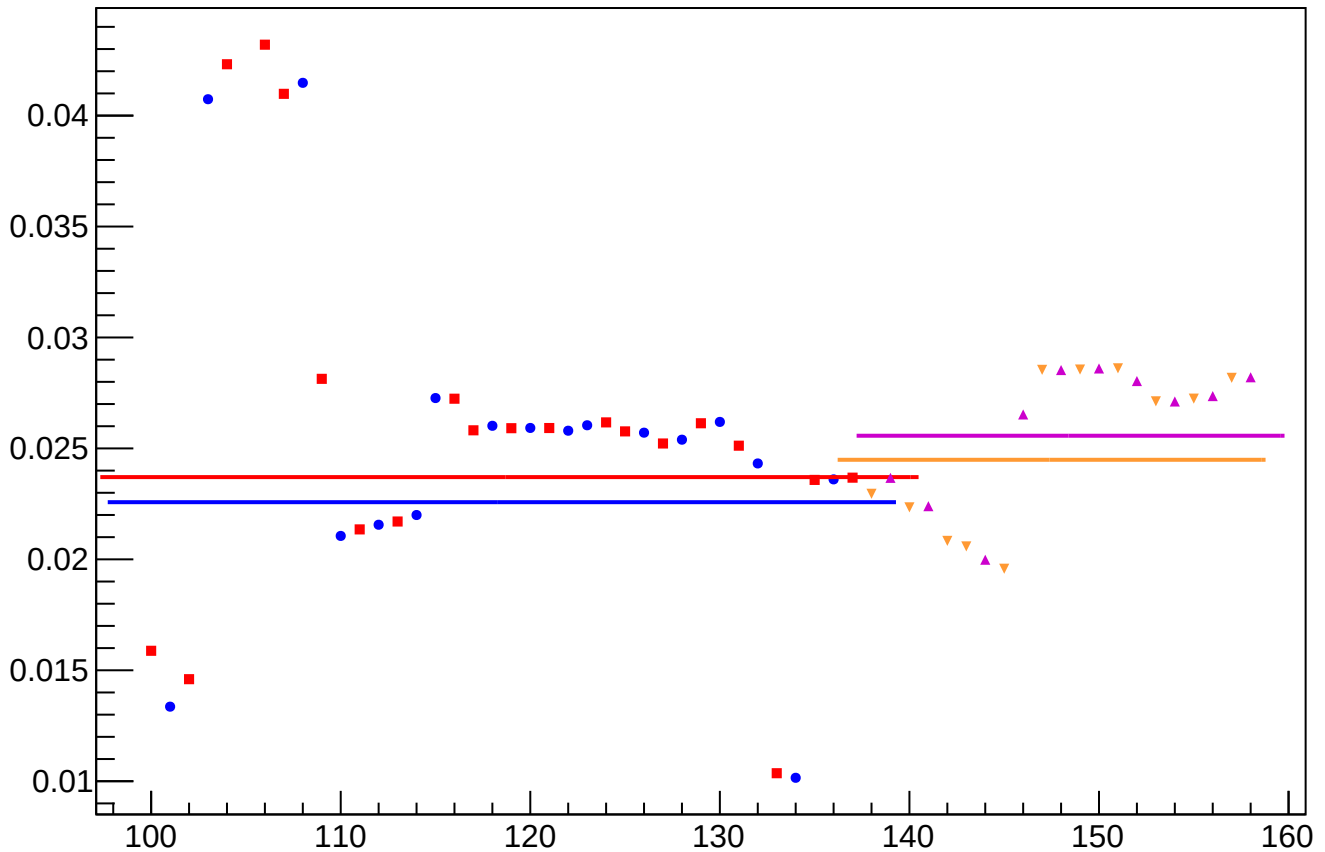
Right Out: 0.000+/-0.000 χ^2/NDF : 245649.5/19

Left In: 0.000+/-0.000 χ^2/NDF : 49932.8/9

0.000+/-0.000 χ^2/NDF : 1066430.6/27

0.000+/-0.000 χ^2/NDF : 353907.3/29

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 :1335632566.7/10

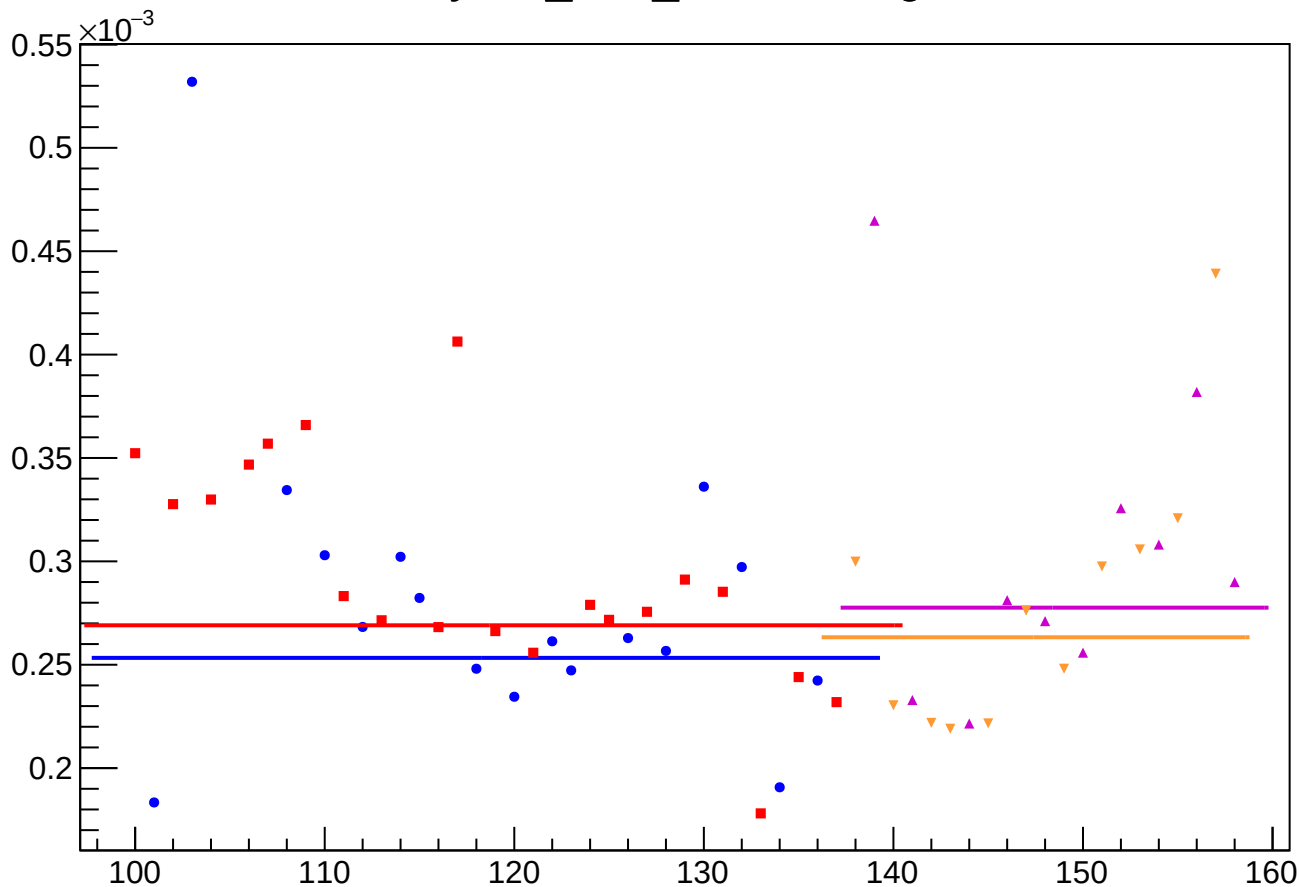
Right Out: 0.024+/-0.000 χ^2/NDF : 5652505580.7/19

Left In: 0.026+/-0.000 χ^2/NDF :1001361370.4/9

0.024+/-0.000 χ^2/NDF : 5756951414.8/27

0.025+/-0.000 χ^2/NDF : 6809524213.1/29

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 : 463782.7/10

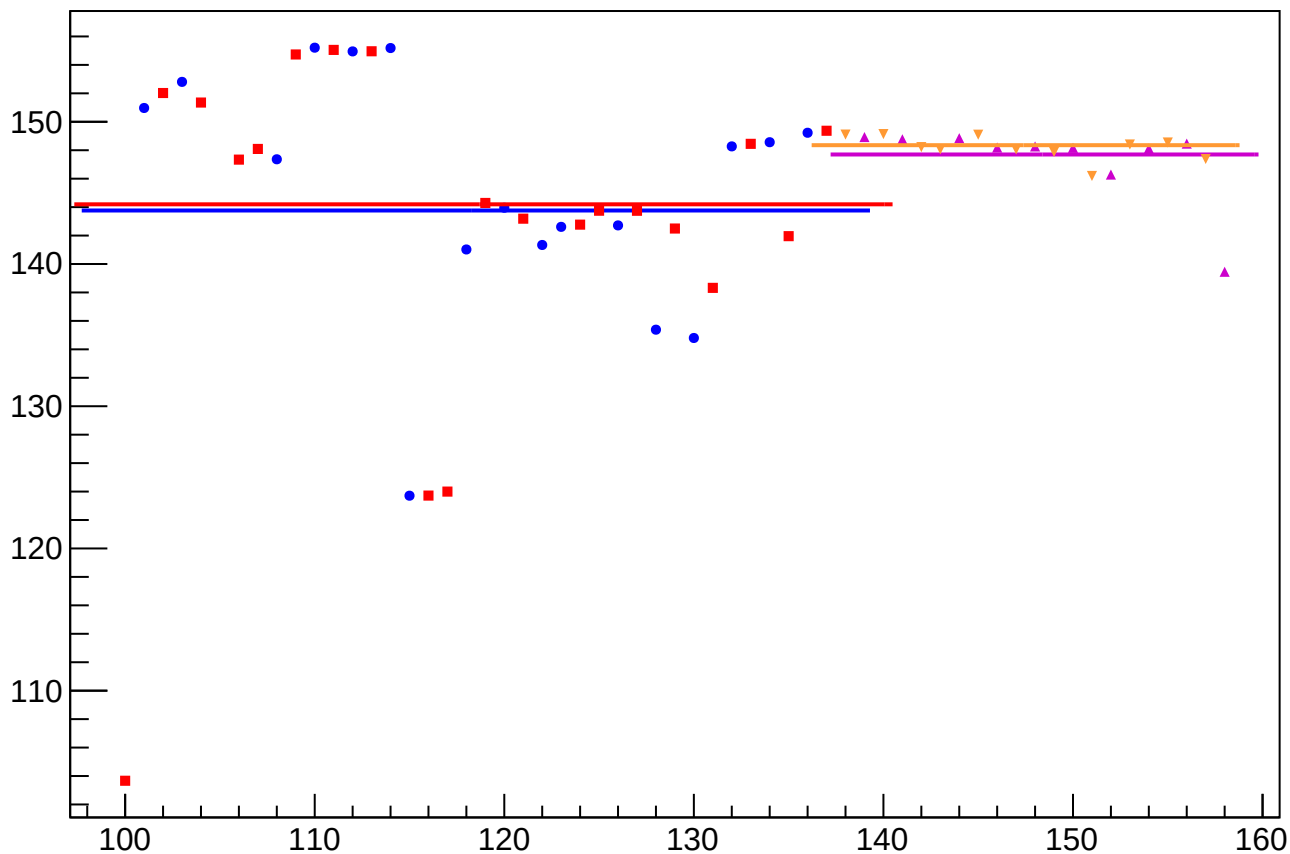
Right Out: 0.000+/-0.000 χ^2/NDF : 437710.5/19

Left In: 0.000+/-0.000 χ^2/NDF : 548906.8/9

0.000+/-0.000 χ^2/NDF : 1102387.6/27

0.000+/-0.000 χ^2/NDF : 993136.1/29

yield_bcm_an_ds_mean vs Slug



Right In: 143.763 $\pm$ 0.000 χ^2/NDF : 3534699505.1/16

Left Out: 148.355 $\pm$ 0.000 χ^2/NDF : 34934673.5/10

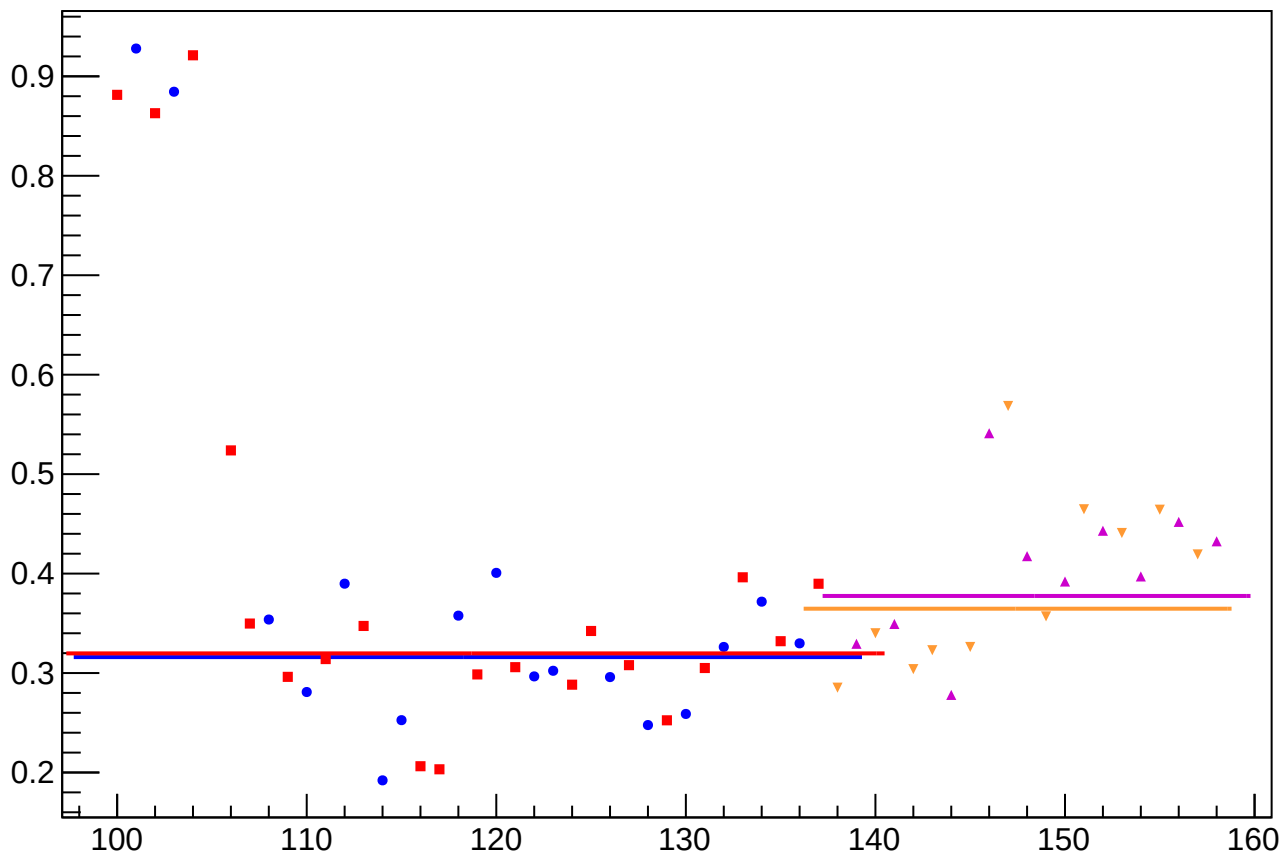
Right Out: 144.197 $\pm$ 0.000 χ^2/NDF : 4523139755.0/19

Left In: 147.701 $\pm$ 0.000 χ^2/NDF : 318457129.9/9

146.072 $\pm$ 0.000 χ^2/NDF : 4159412991.3/27

145.881 $\pm$ 0.000 χ^2/NDF : 5180909994.0/29

yield_bcm_an_ds_rms vs Slug



Right In: 0.316 ± 0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.365 ± 0.000 χ^2/NDF : 592881.1/10

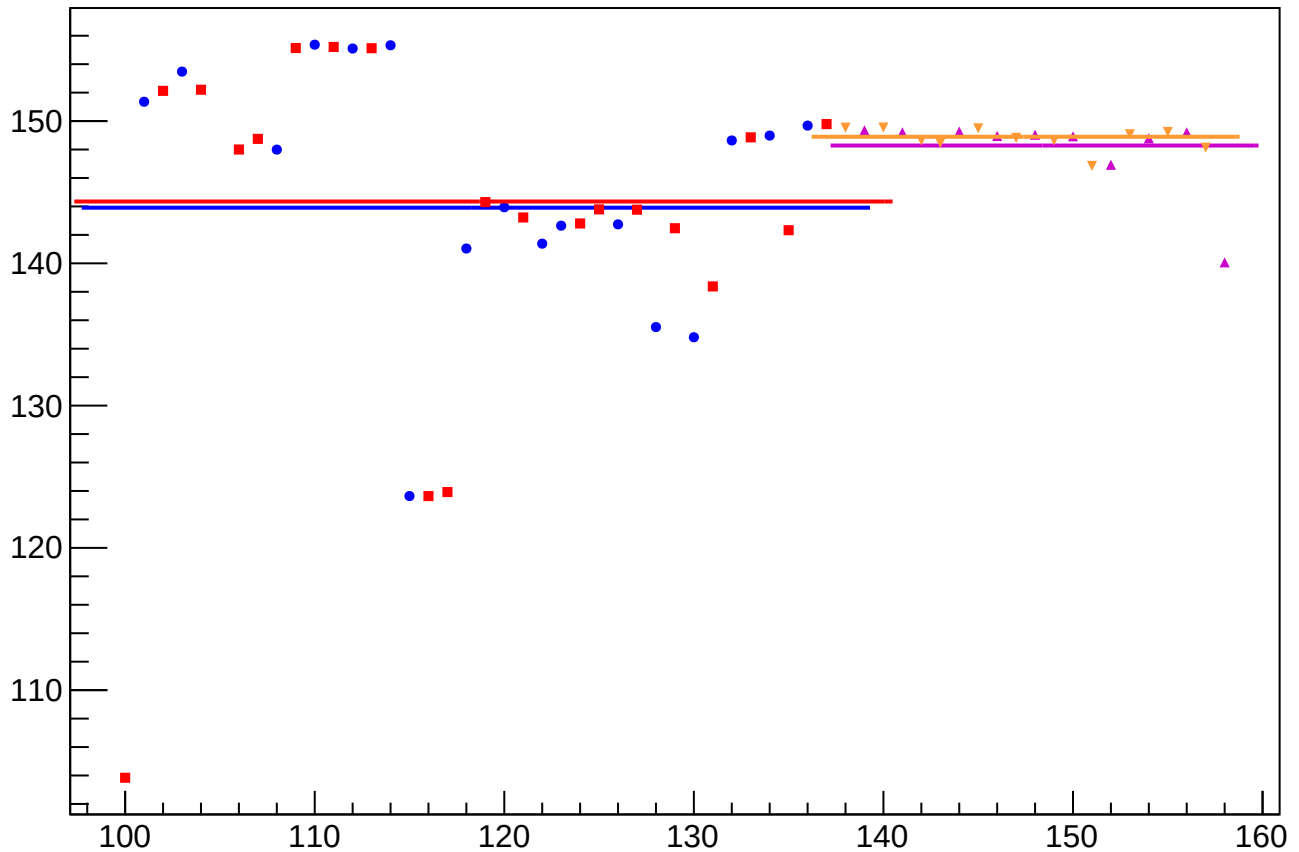
Right Out: 0.320 ± 0.000 χ^2/NDF : 1241752.3/19

Left In: 0.378 ± 0.000 χ^2/NDF : 517803.9/9

0.341 ± 0.000 χ^2/NDF : 1991265.1/27

0.348 ± 0.000 χ^2/NDF : 1943901.9/29

yield_bcm_an_ds3_mean vs Slug



Right In: 143.912 $\pm$ 0.000 χ^2 /NDF: 3587769790.2/16

Left Out: 148.898 $\pm$ 0.000 χ^2 /NDF: 27339246.5/10

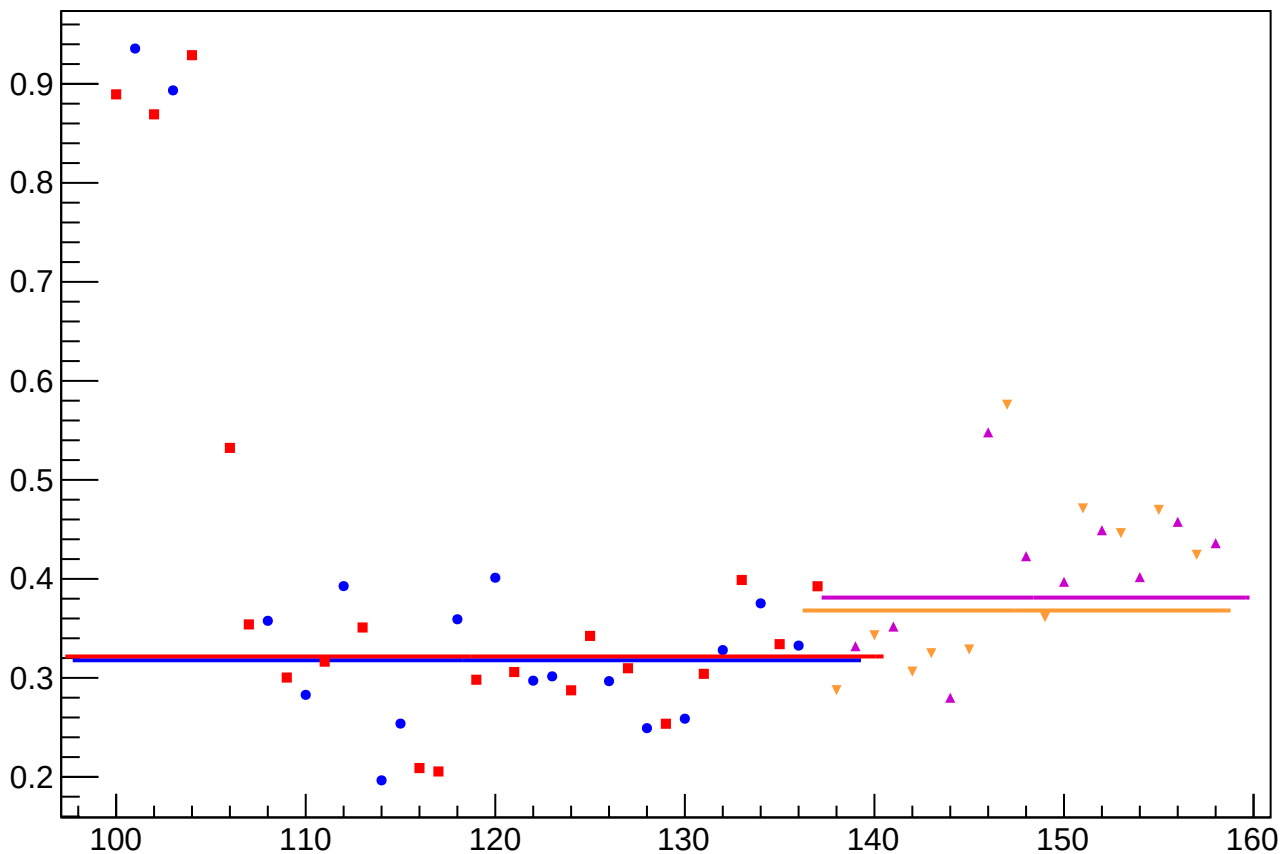
146.410 $\pm$ 0.000 χ^2 /NDF: 4299898020.0/27

Right Out: 144.347 $\pm$ 0.000 χ^2 /NDF: 4550581147.9/19

146.230 $\pm$ 0.000 χ^2 /NDF: 5277963485.7/29

Left In: 148.281 $\pm$ 0.000 χ^2 /NDF: 306349375.0/9

yield_bcm_an_ds3_rms vs Slug



Right In: 0.318 ± 0.000 χ^2/NDF : 1268257.9/16

Left Out: 0.368 ± 0.000 χ^2/NDF : 604697.2/10

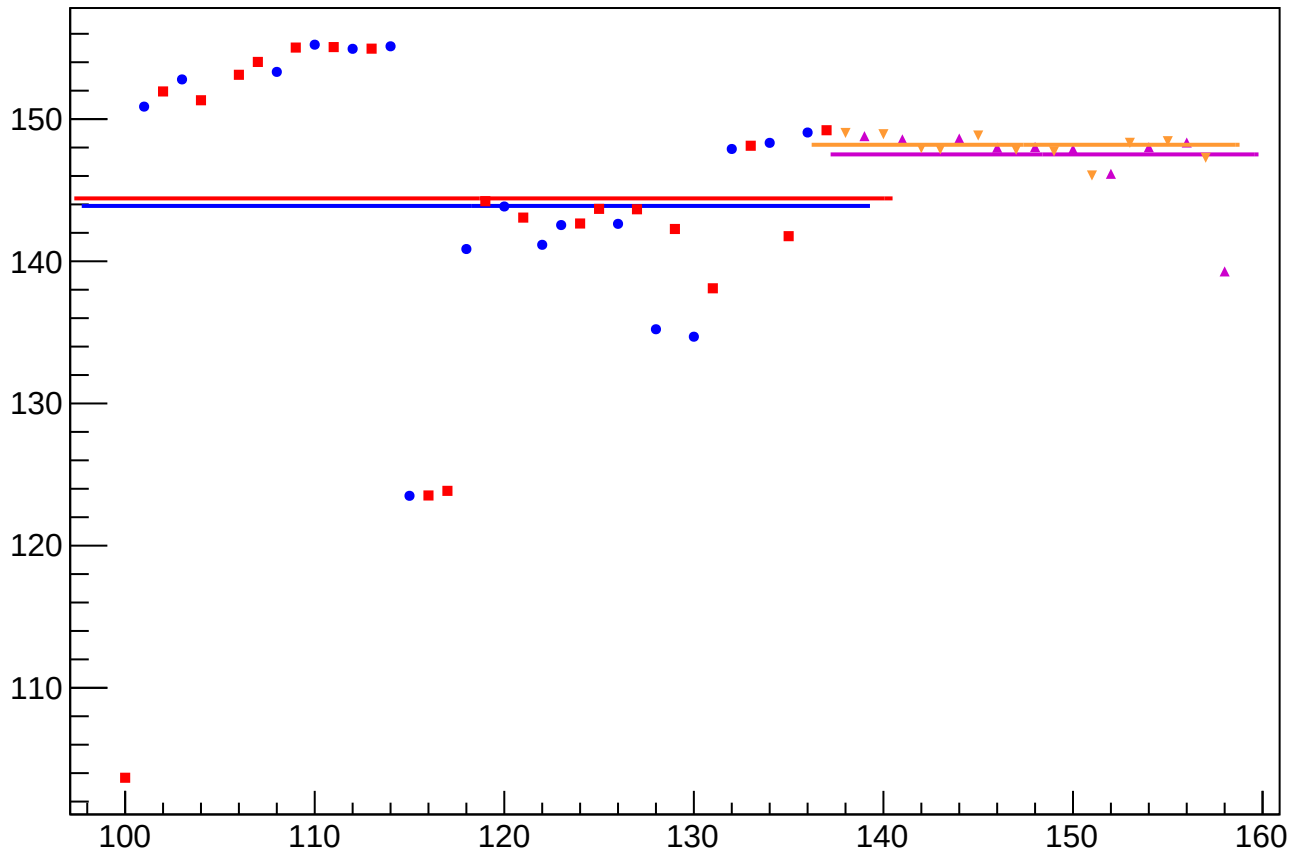
Right Out: 0.322 ± 0.000 χ^2/NDF : 1244304.0/19

Left In: 0.381 ± 0.000 χ^2/NDF : 529500.4/9

0.343 ± 0.000 χ^2/NDF : 2012164.2/27

0.350 ± 0.000 χ^2/NDF : 1966272.1/29

yield_bcm_an_us_mean vs Slug



Right In: 143.893+/-0.000 χ^2/NDF : 3752655677.2/16

Left Out: 148.195+/-0.000 χ^2/NDF : 34582723.3/10

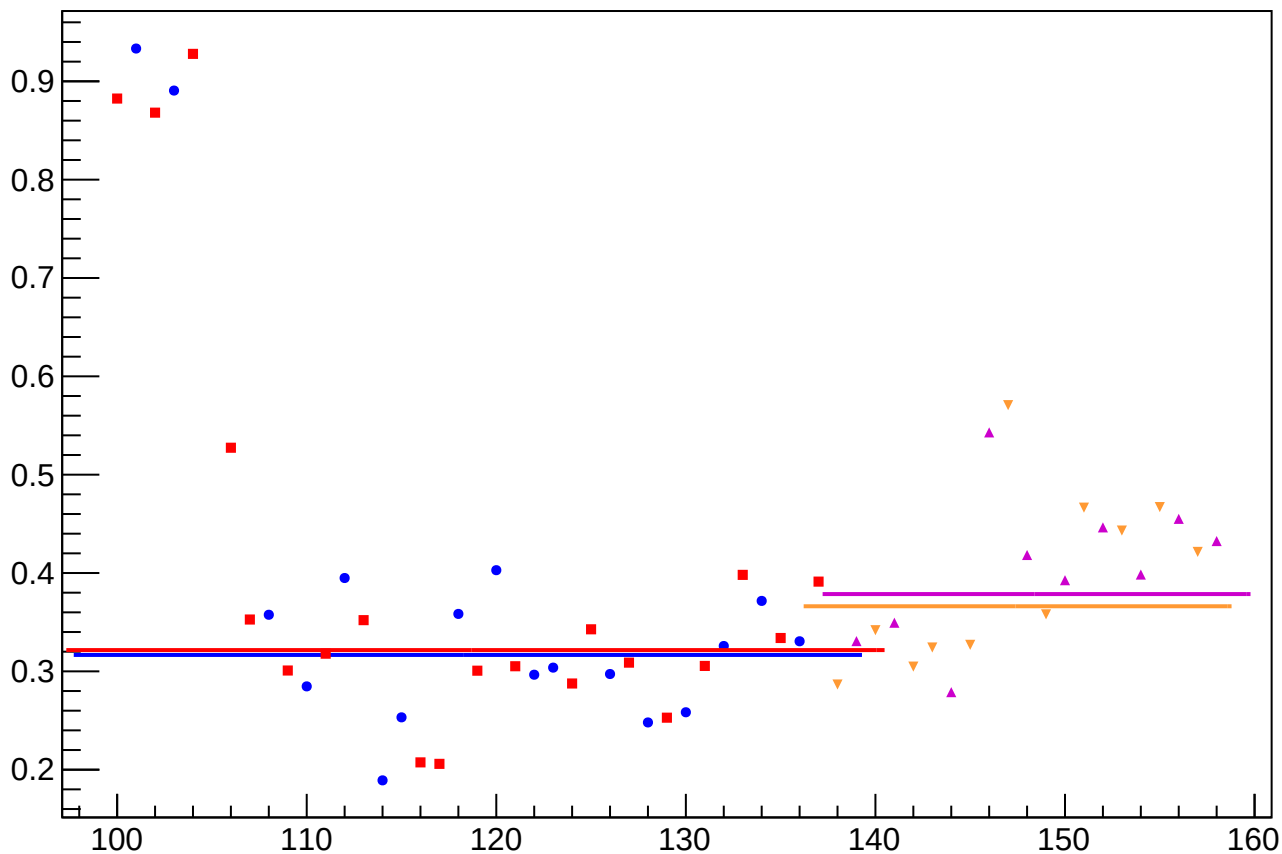
146.054+/-0.000 χ^2/NDF : 4301113889.1/27

Right Out: 144.423+/-0.000 χ^2/NDF : 4819194675.6/19

145.915+/-0.000 χ^2/NDF : 5398160162.9/29

Left In: 147.517+/-0.000 χ^2/NDF : 316620057.7/9

yield_bcm_an_us_rms vs Slug



Right In: 0.317 ± 0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.366 ± 0.000 χ^2/NDF : 594797.1/10

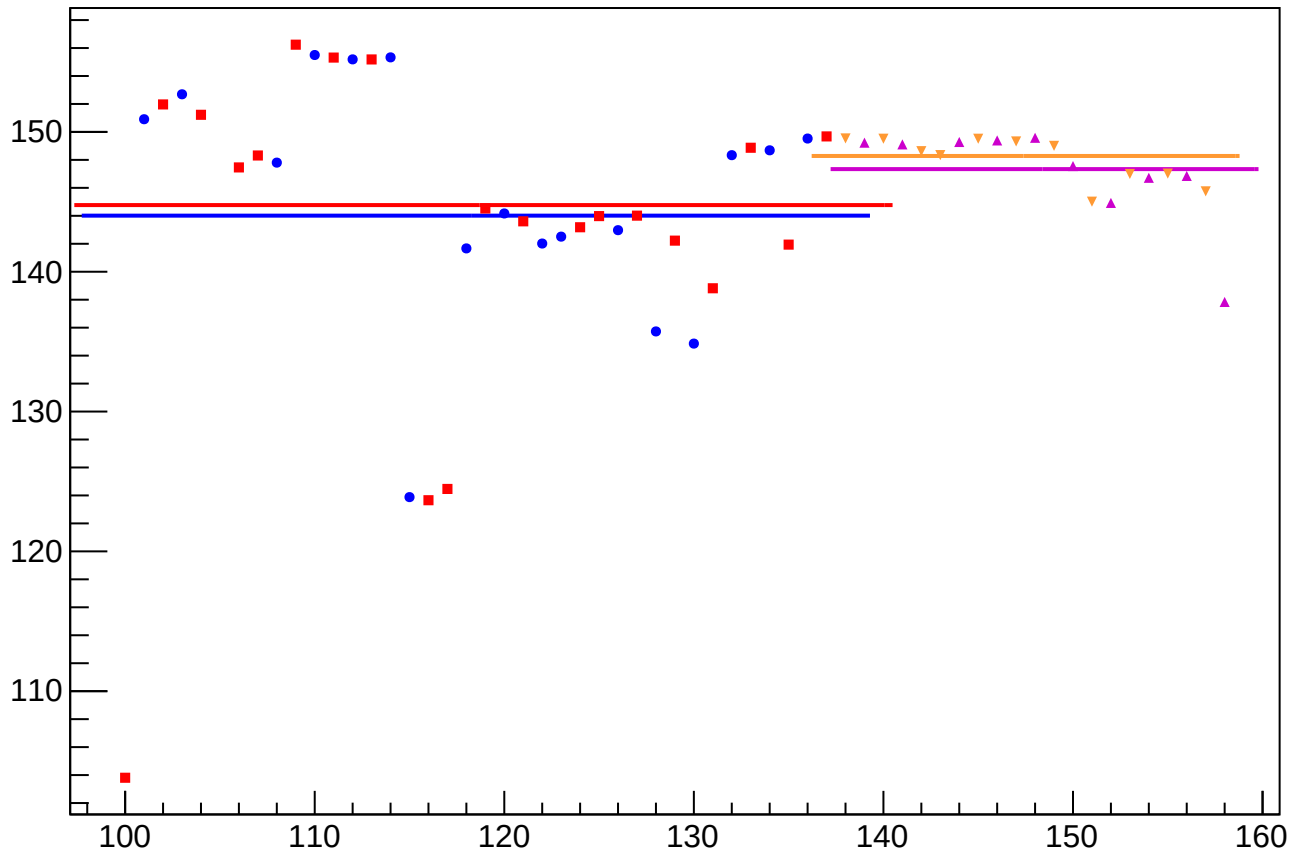
Right Out: 0.322 ± 0.000 χ^2/NDF : 1244671.1/19

Left In: 0.379 ± 0.000 χ^2/NDF : 520635.1/9

0.342 ± 0.000 χ^2/NDF : 2011150.4/27

0.349 ± 0.000 χ^2/NDF : 1943181.5/29

yield_bcm_dg_us_mean vs Slug



Right In: 144.012 $\pm$ 0.000 χ^2 /NDF: 3241696920.3/16

Left Out: 148.280 $\pm$ 0.000 χ^2 /NDF:109557625.7/10

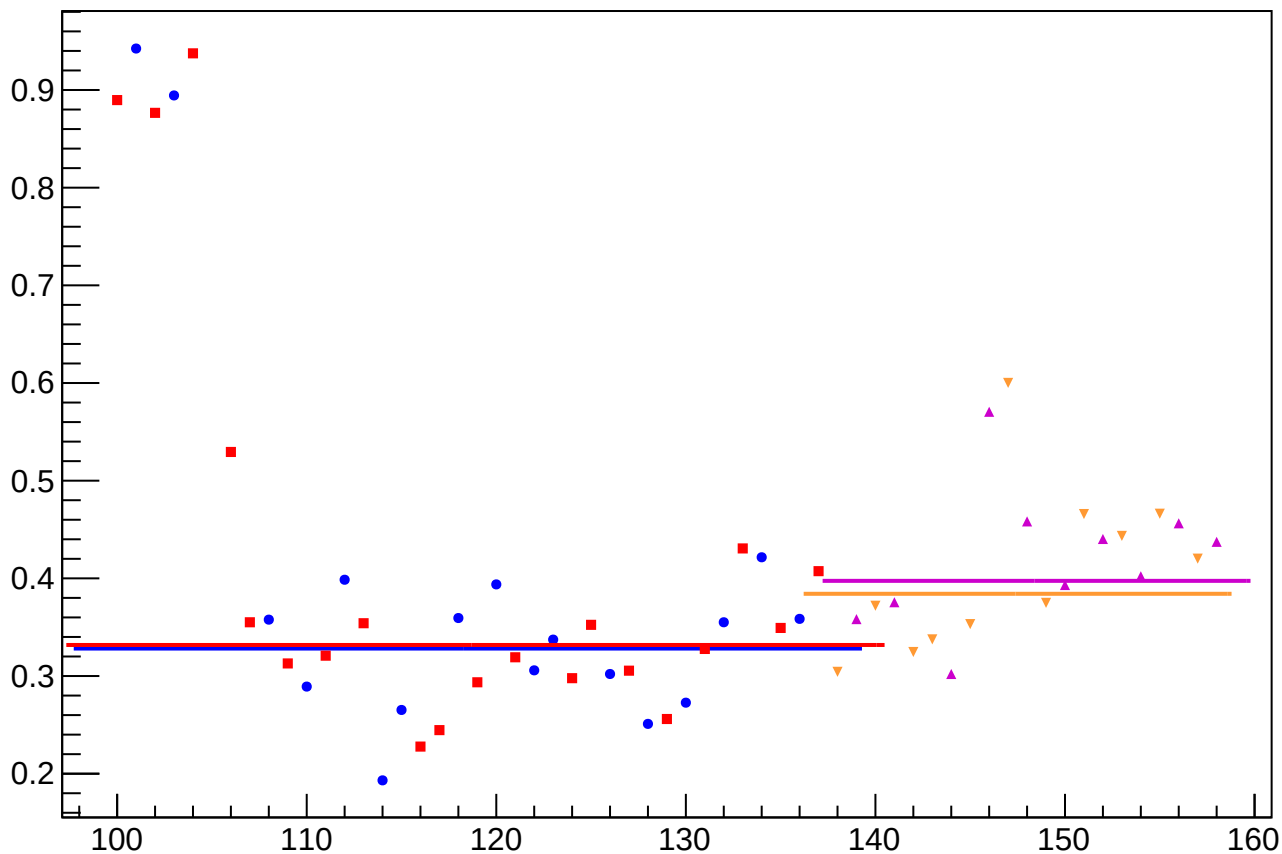
146.134 $\pm$ 0.000 χ^2 /NDF: 3816125981.0/27

Right Out: 144.767 $\pm$ 0.000 χ^2 /NDF: 4097482970.1/19

145.989 $\pm$ 0.000 χ^2 /NDF: 4745086874.0/29

Left In: 147.341 $\pm$ 0.000 χ^2 /NDF:479770957.8/9

yield_bcm_dg_us_rms vs Slug



Right In: 0.328 ± 0.000 χ^2/NDF : 1265892.9/16

Left Out: 0.384 ± 0.000 χ^2/NDF : 482612.0/10

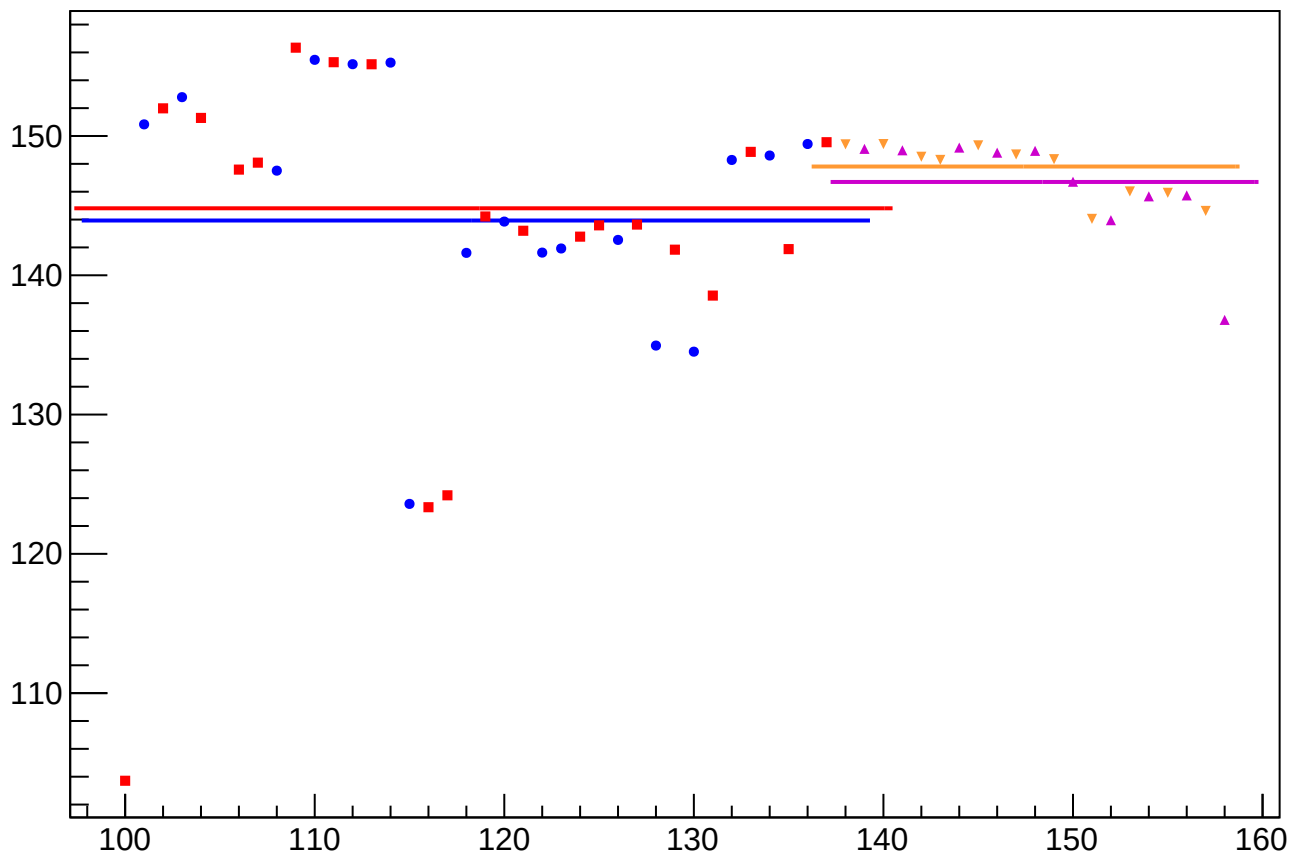
Right Out: 0.332 ± 0.000 χ^2/NDF : 1194167.8/19

Left In: 0.397 ± 0.000 χ^2/NDF : 410300.7/9

0.356 ± 0.000 χ^2/NDF : 1908938.5/27

0.363 ± 0.000 χ^2/NDF : 1822957.4/29

yield_bcm_dg_ds_mean vs Slug



Right In: 143.932 ± 0.000 χ^2/NDF : 3383012861.2/16

Left Out: 147.808 ± 0.000 χ^2/NDF : 167865218.9/10

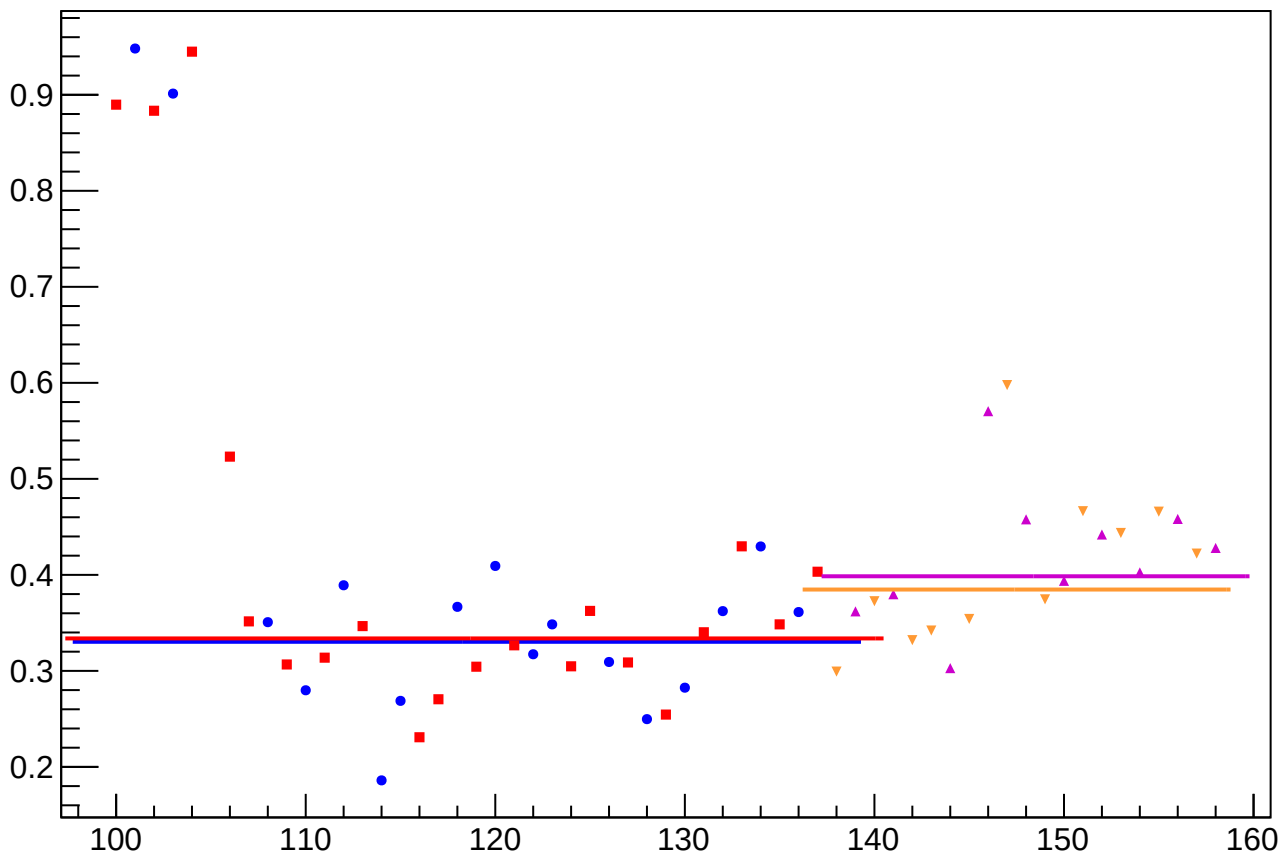
Right Out: 144.809 ± 0.000 χ^2/NDF : 4138041955.6/19

Left In: 146.700 ± 0.000 χ^2/NDF : 581213645.5/9

145.871 ± 0.000 χ^2/NDF : 3930008828.2/27

145.710 ± 0.000 χ^2/NDF : 4808980284.1/29

yield_bcm_dg_ds_rms vs Slug



Right In: 0.330 ± 0.000 χ^2/NDF : 1283955.7/16

Left Out: 0.385 ± 0.000 χ^2/NDF : 483178.4/10

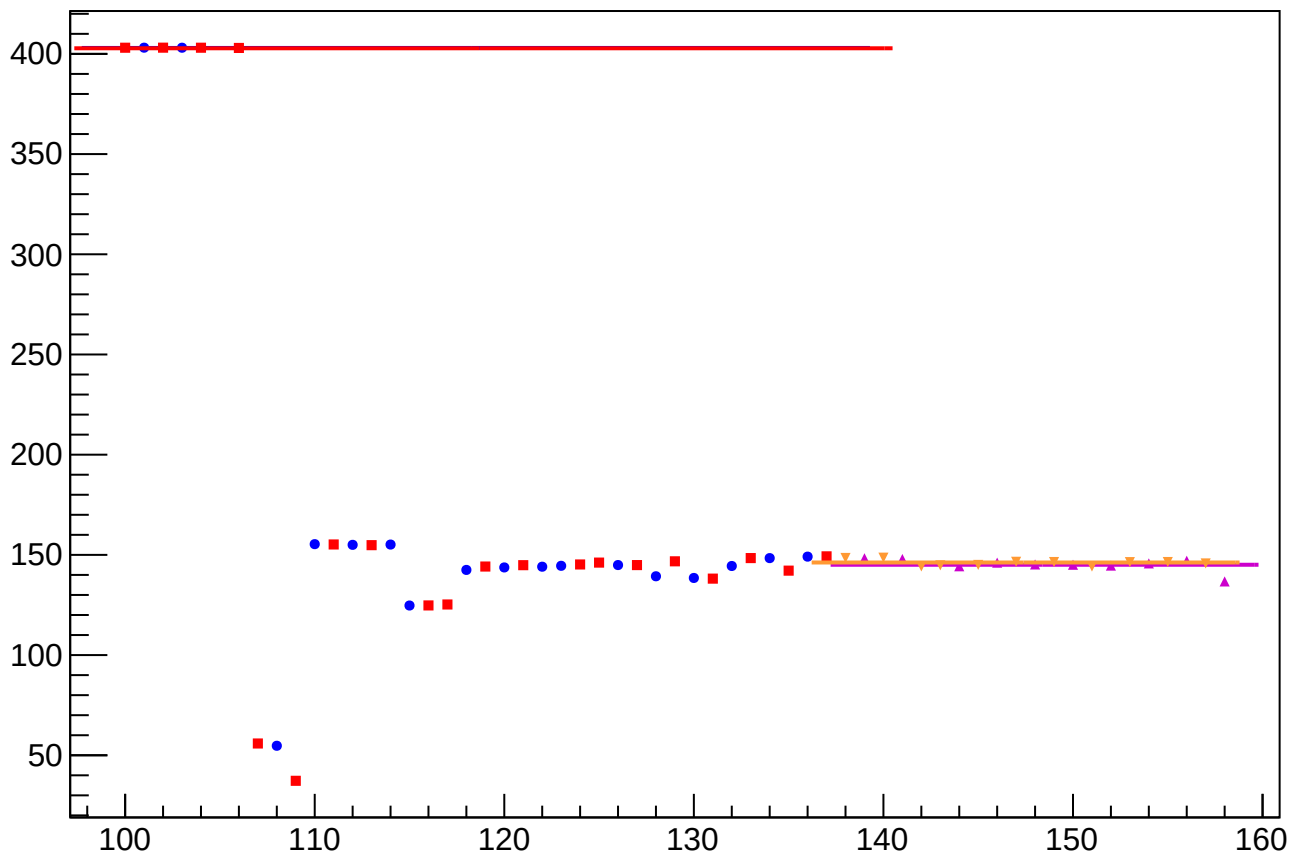
Right Out: 0.334 ± 0.000 χ^2/NDF : 1177889.1/19

Left In: 0.399 ± 0.000 χ^2/NDF : 396904.1/9

0.358 ± 0.000 χ^2/NDF : 1916599.8/27

0.365 ± 0.000 χ^2/NDF : 1785107.5/29

yield_cav4bQ_mean vs Slug



Right In: 402.958+/-0.000 χ^2/NDF : 1094364588383.4/16

Left Out: 146.199+/-0.000 χ^2/NDF : 30662235.5/10

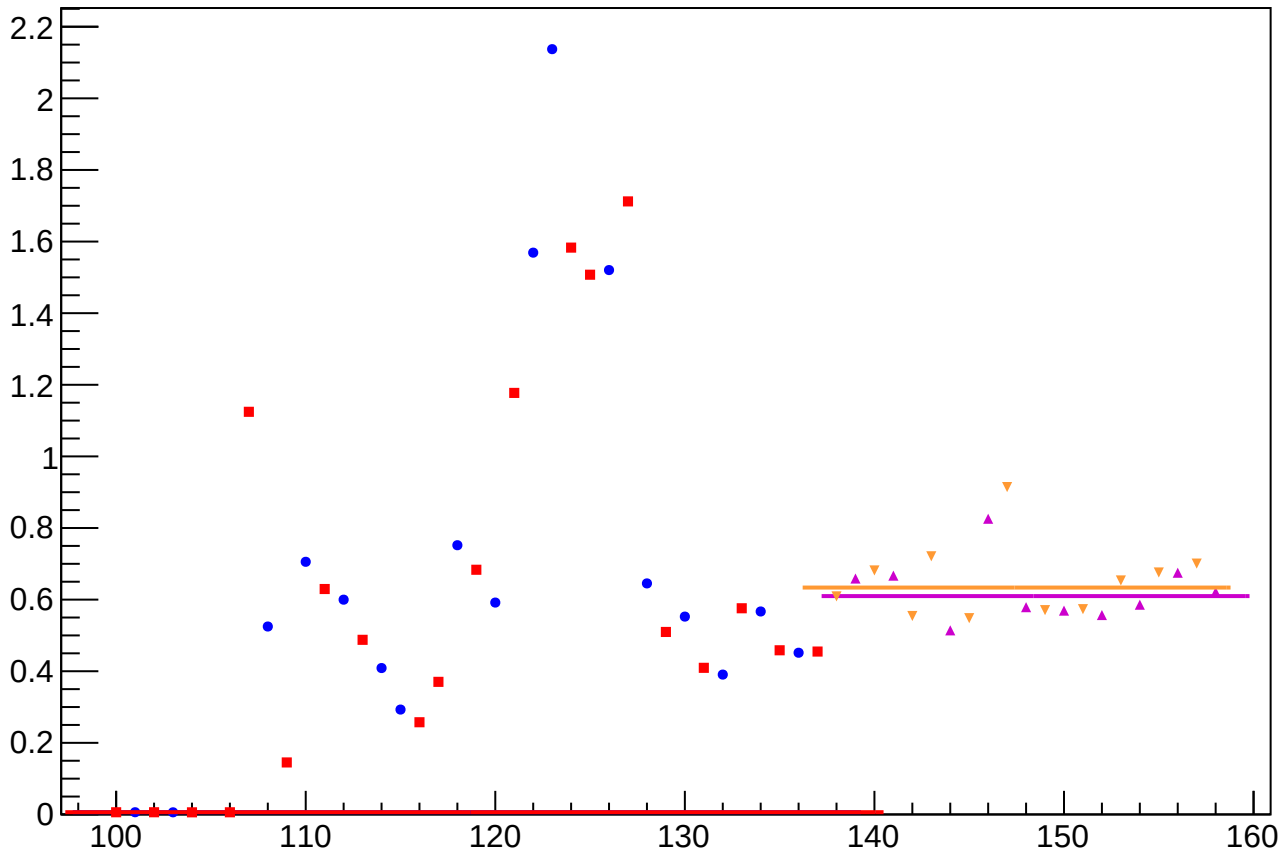
Right Out: 402.797+/-0.000 χ^2/NDF : 3120897866993.6/19

Left In: 145.071+/-0.000 χ^2/NDF : 125809903.6/9

402.850+/-0.000 χ^2/NDF : 1957281438425.5/27

402.692+/-0.000 χ^2/NDF : 4076986381093.0/29

yield_cav4bQ_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.634+/-0.000 χ^2/NDF :184264.0/10

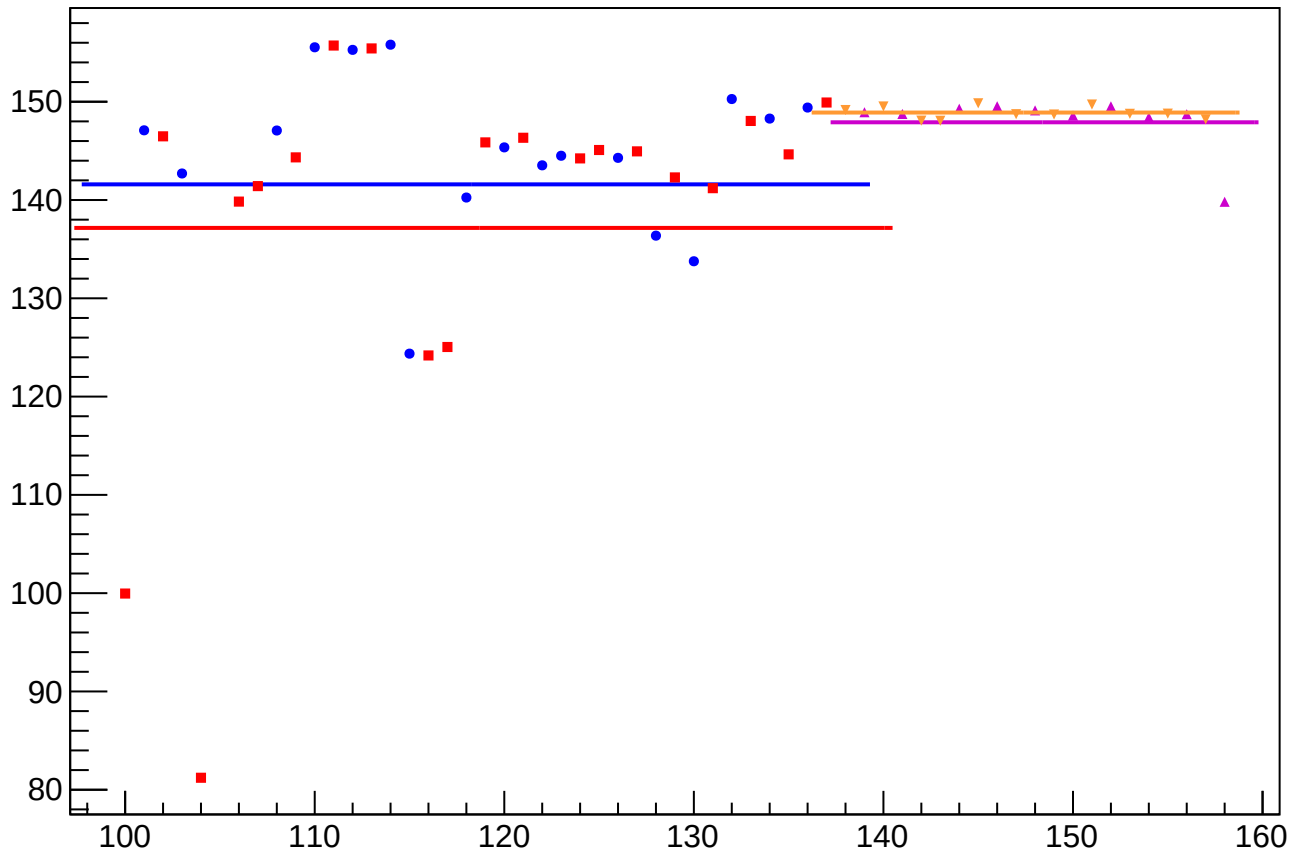
0.007+/-0.000 χ^2/NDF : 19566490.6/27

Right Out: 0.006+/-0.000 χ^2/NDF : 9258244.0/19

0.007+/-0.000 χ^2/NDF : 19896140.2/29

Left In: 0.610+/-0.000 χ^2/NDF :153343.6/9

yield_cav4cQ_mean vs Slug



Right In: 141.593 ± 0.000 χ^2/NDF : 980101868.2/16

Left Out: 148.900 ± 0.000 χ^2/NDF : 9924920.0/10

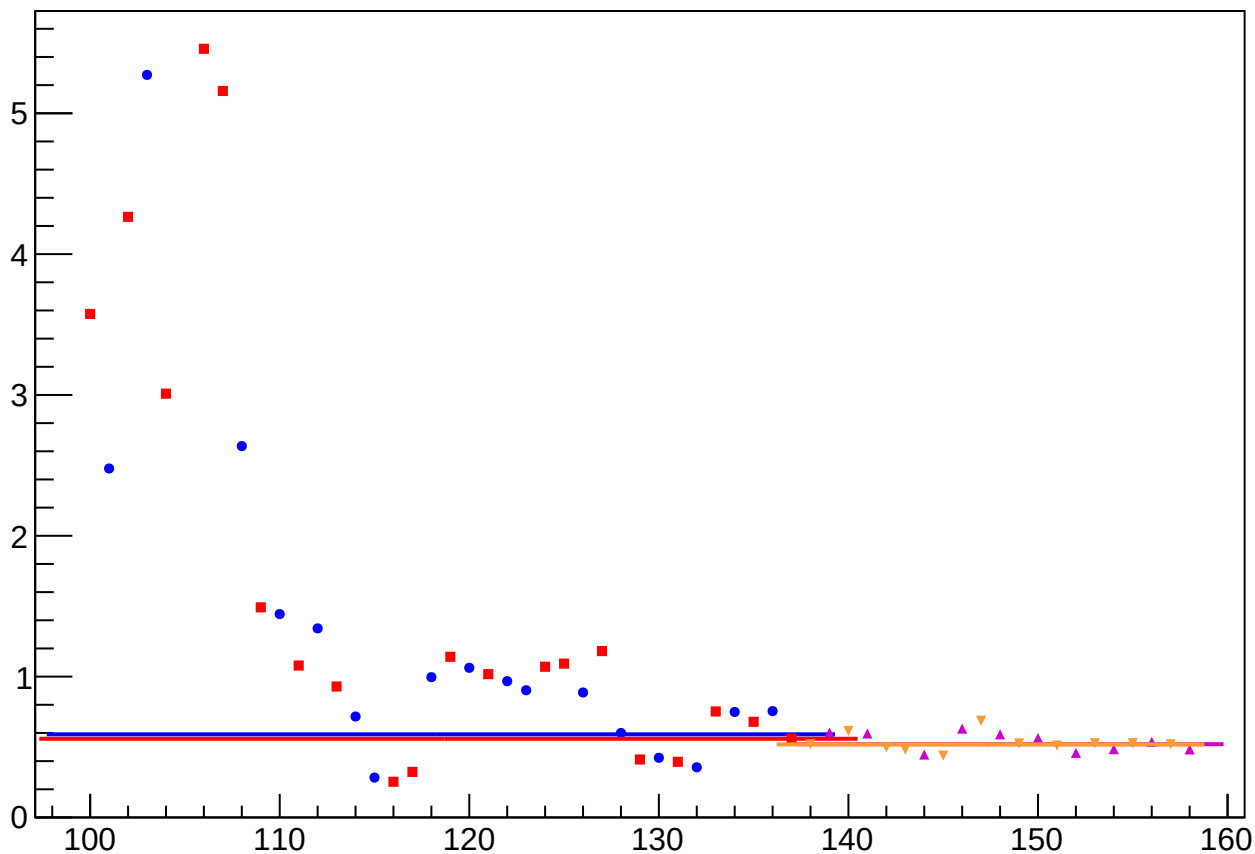
Right Out: 137.162 ± 0.000 χ^2/NDF : 1366089515.6/19

Left In: 147.908 ± 0.000 χ^2/NDF : 233947522.4/9

146.831 ± 0.000 χ^2/NDF : 1376332648.8/27

144.708 ± 0.000 χ^2/NDF : 2488091390.4/29

yield_cav4cQ_rms vs Slug



Right In: 0.590 ± 0.000 χ^2/NDF : 3491995.1/16

Left Out: 0.519 ± 0.000 χ^2/NDF : 163837.7/10

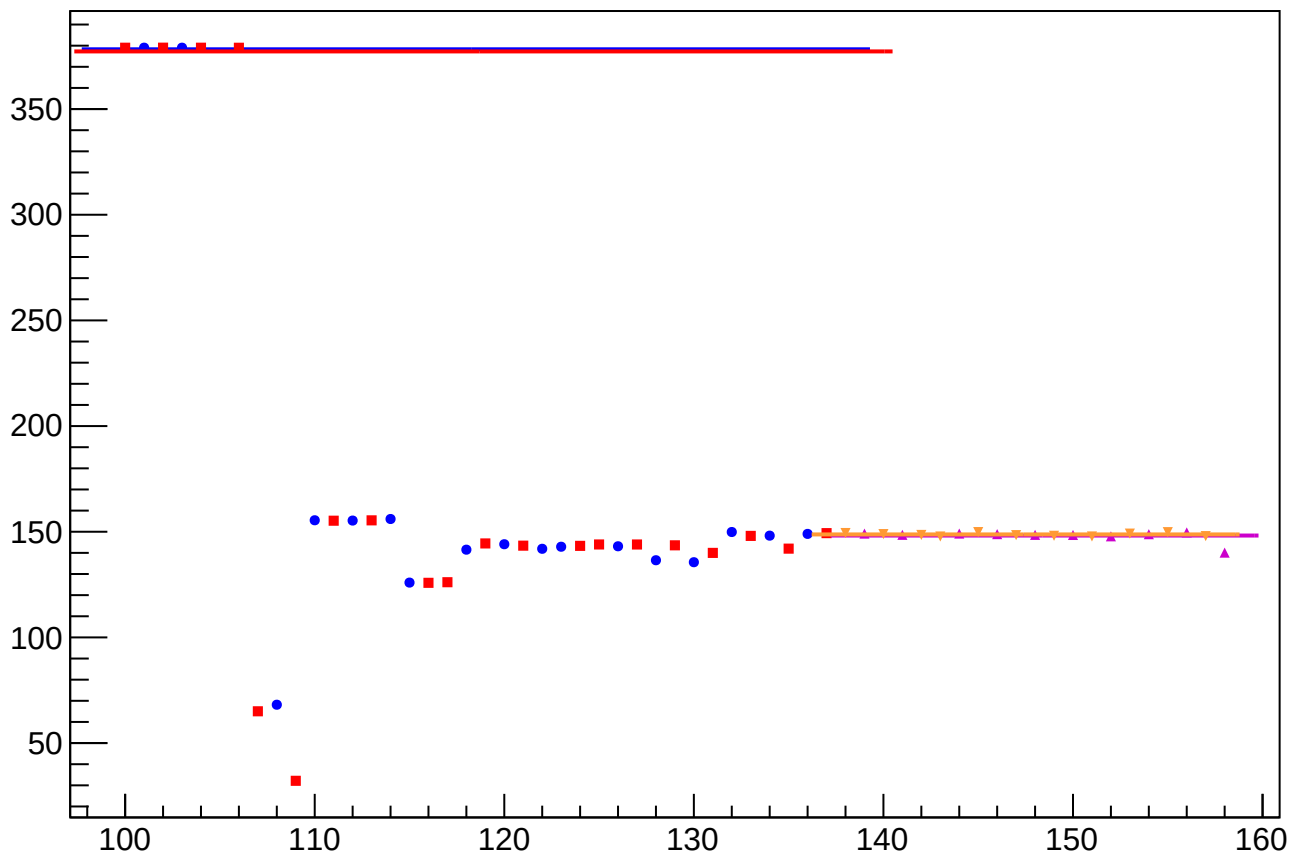
Right Out: 0.559 ± 0.000 χ^2/NDF : 4721291.1/19

Left In: 0.520 ± 0.000 χ^2/NDF : 198522.8/9

0.539 ± 0.000 χ^2/NDF : 3729594.5/27

0.532 ± 0.000 χ^2/NDF : 4942738.5/29

yield_cav4dQ_mean vs Slug



Right In: 378.283+/-0.000 χ^2/NDF : 2508313421453.8/16

Left Out: 148.730+/-0.000 χ^2/NDF : 25206284.1/10

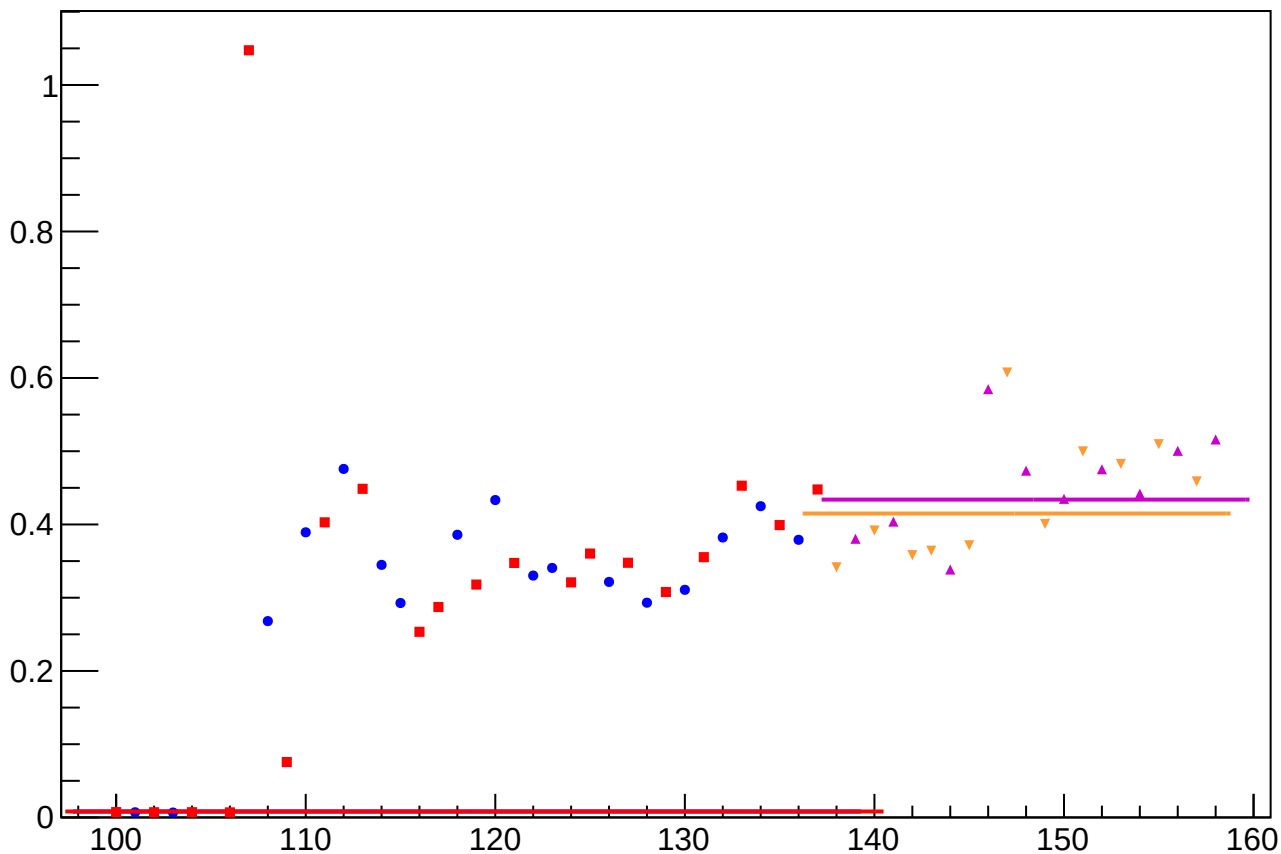
Right Out: 377.280+/-0.000 χ^2/NDF : 8313240281527.9/19

Left In: 148.202+/-0.000 χ^2/NDF : 206756575.2/9

377.524+/-0.000 χ^2/NDF : 4827908777615.8/27

376.664+/-0.000 χ^2/NDF : 10455922017288.9/27

yield_cav4dQ_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 9806719.4/16

Left Out: 0.415+/-0.000 χ^2/NDF : 427224.8/10

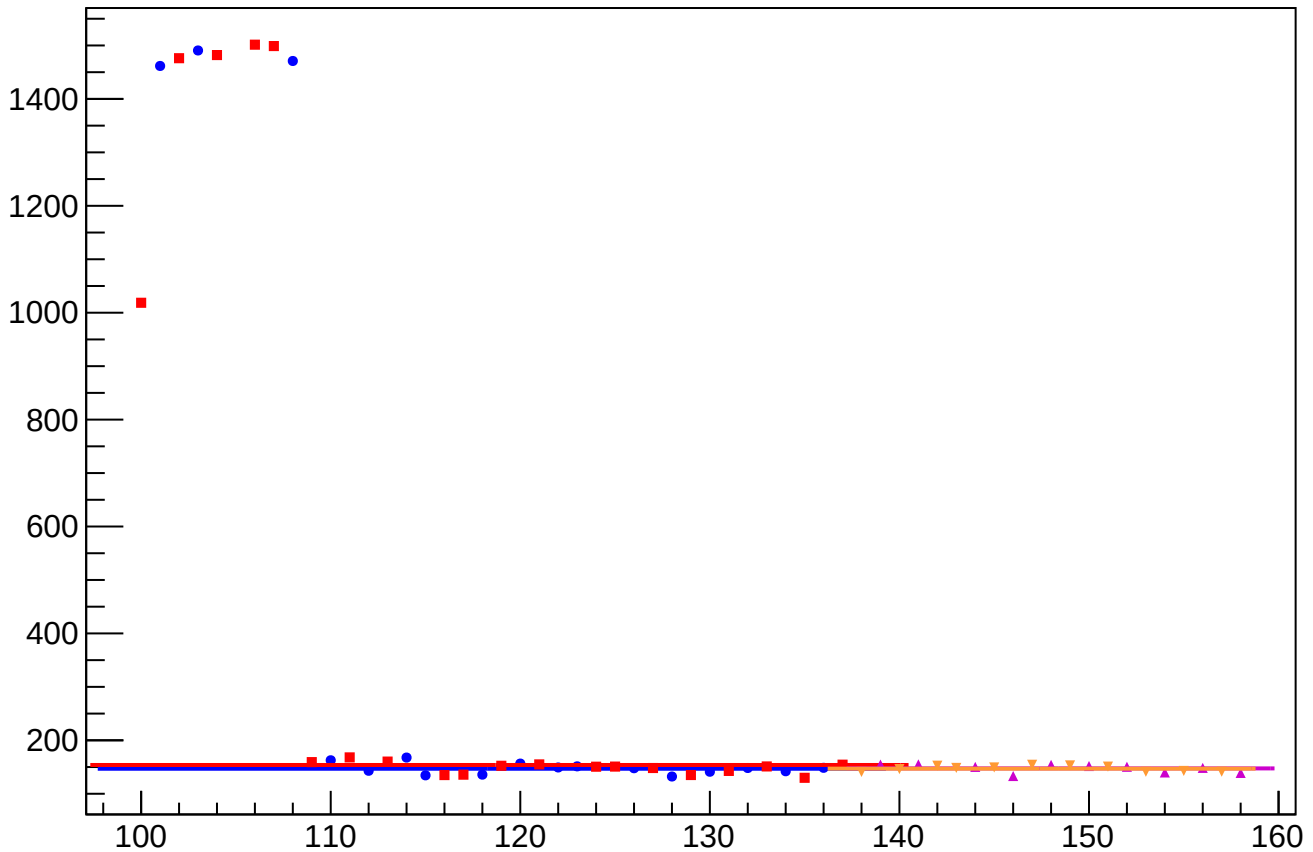
Right Out: 0.008+/-0.000 χ^2/NDF : 9589375.6/19

Left In: 0.434+/-0.000 χ^2/NDF : 364602.2/9

0.009+/-0.000 χ^2/NDF : 24805639.2/27

0.009+/-0.000 χ^2/NDF : 24759309.5/29

yield_bcm0l02_mean vs Slug



Right In: 146.819+/-0.000 χ^2/NDF : 24360774977.7/16

Left Out: 146.975+/-0.000 χ^2/NDF : 206160489.2/10

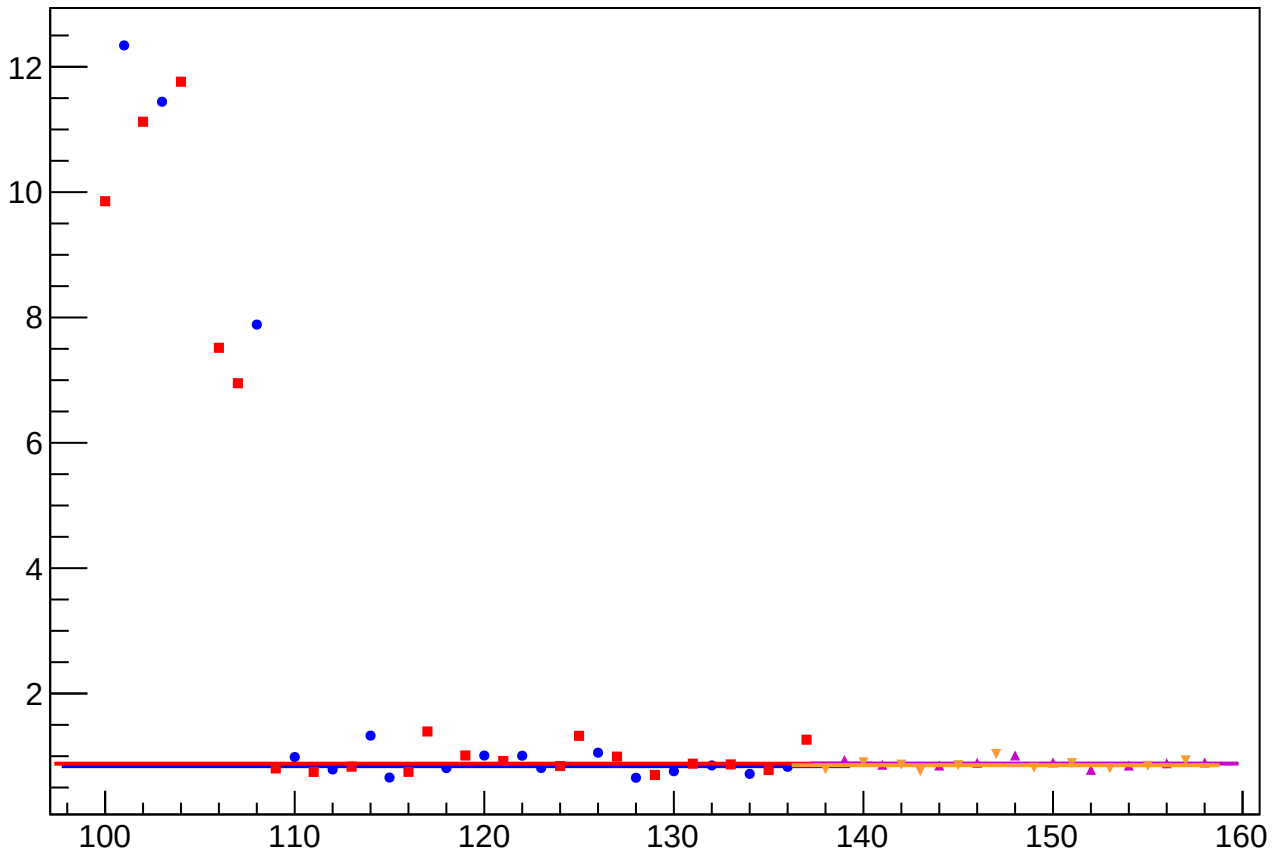
146.915+/-0.000 χ^2/NDF : 24567014858.6/27

Right Out: 153.832+/-0.000 χ^2/NDF : 33744235949.2/19

149.909+/-0.000 χ^2/NDF : 34307962145.7/29

Left In: 147.431+/-0.000 χ^2/NDF : 430442769.6/9

yield_bcm0l02_rms vs Slug



Right In: 0.841+/-0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.856+/-0.000 χ^2/NDF :82798.7/10

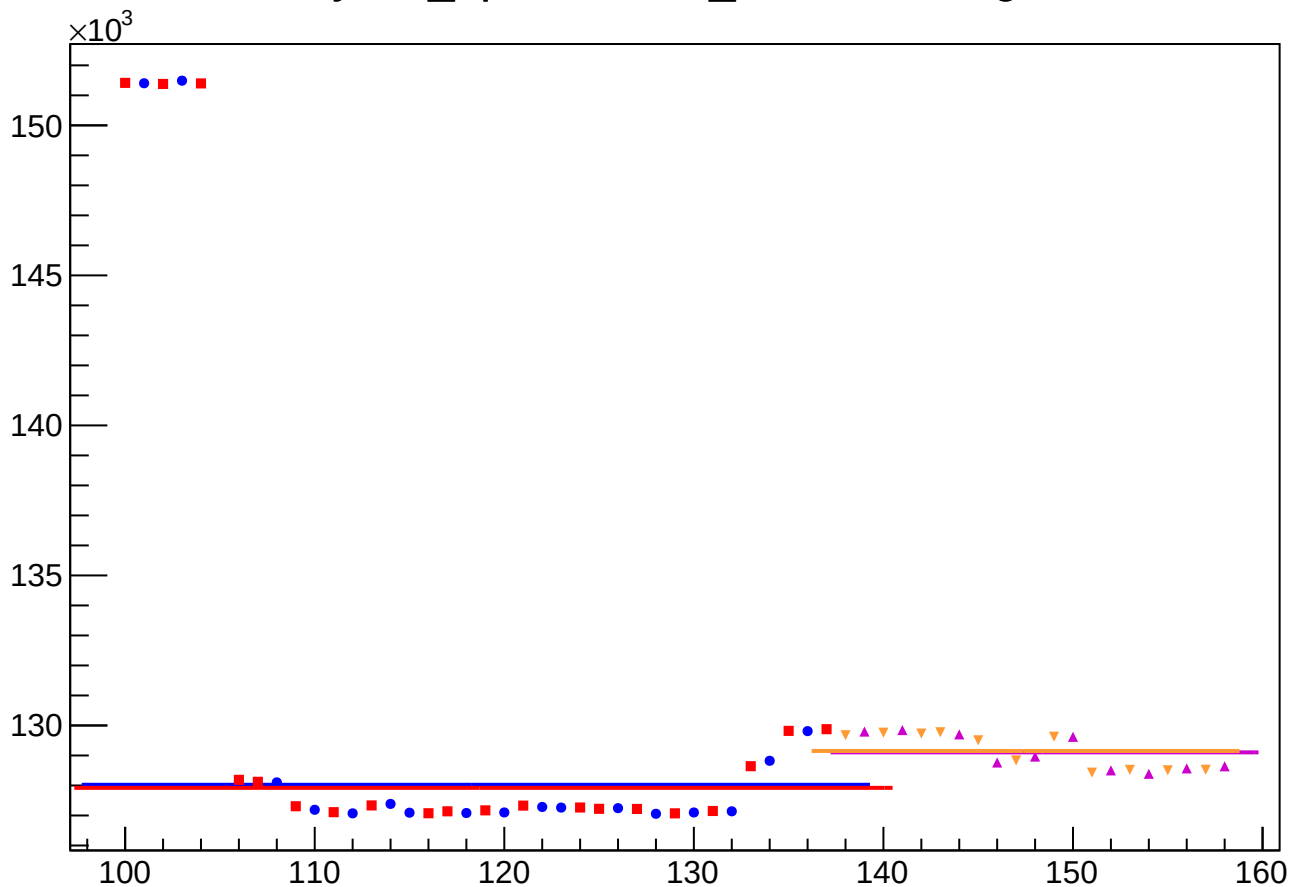
0.850+/-0.000 χ^2/NDF : 2746597.0/27

Right Out: 0.880+/-0.000 χ^2/NDF : 2825356.7/19

0.881+/-0.000 χ^2/NDF : 2880148.9/29

Left In: 0.882+/-0.000 χ^2/NDF :54773.9/9

yield_bpm2i01WS_mean vs Slug



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16

Left Out: 129150.627 $\pm$ 0.061 χ^2 /NDF: 89141895.1/10

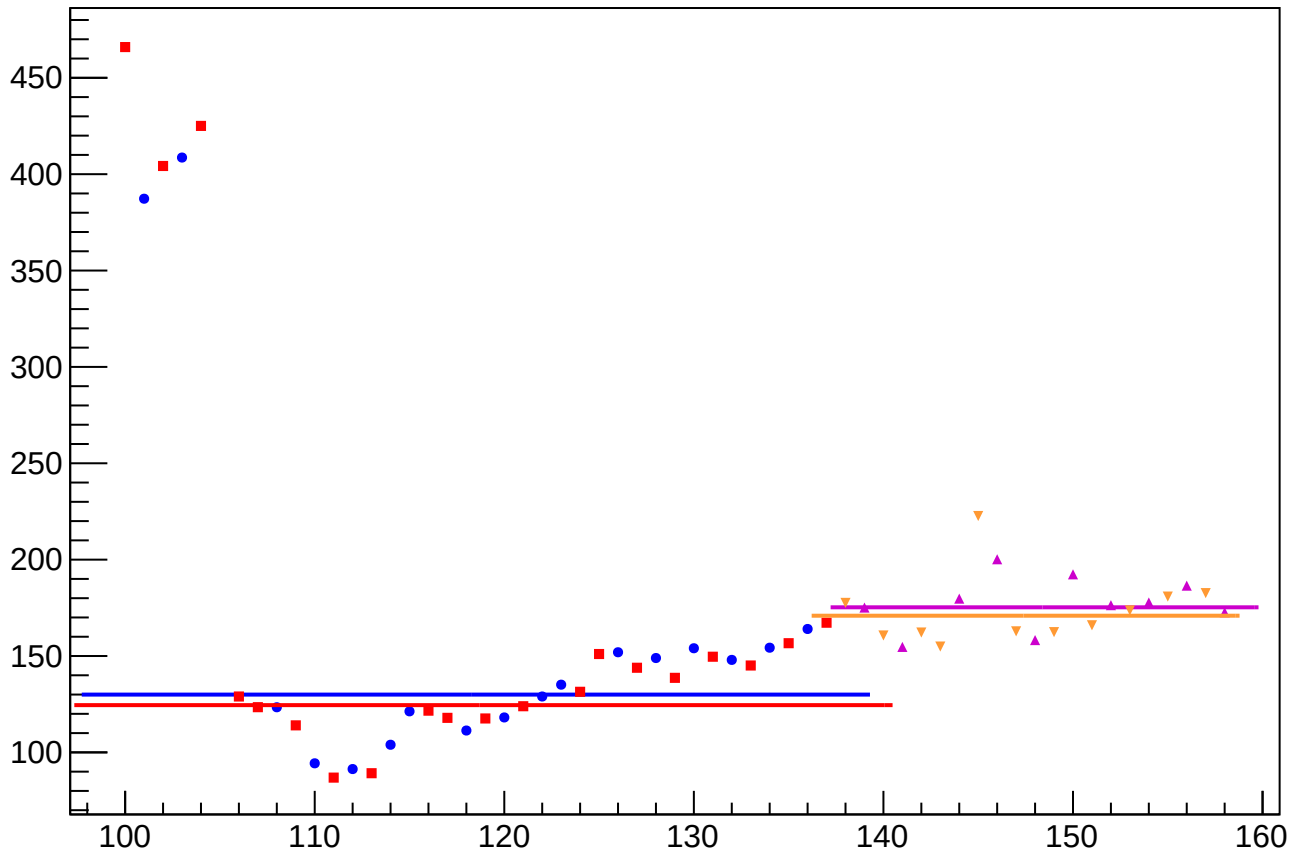
Right Out: 127921.299 $\pm$ 0.050 χ^2 /NDF: 3768965324.4/19

Left In: 129103.544 $\pm$ 0.062 χ^2 /NDF: 84070757.4/9

128528.002 $\pm$ 0.041 χ^2 /NDF: 4596842666.7/27

128390.410 $\pm$ 0.039 χ^2 /NDF: 4073328821.2/29

yield_bpm2i01WS_rms vs Slug



Right In: 129.980 $\pm$ 0.039 χ^2/NDF : 1485519.5/16

Left Out: 170.911 $\pm$ 0.043 χ^2/NDF :128299.7/10

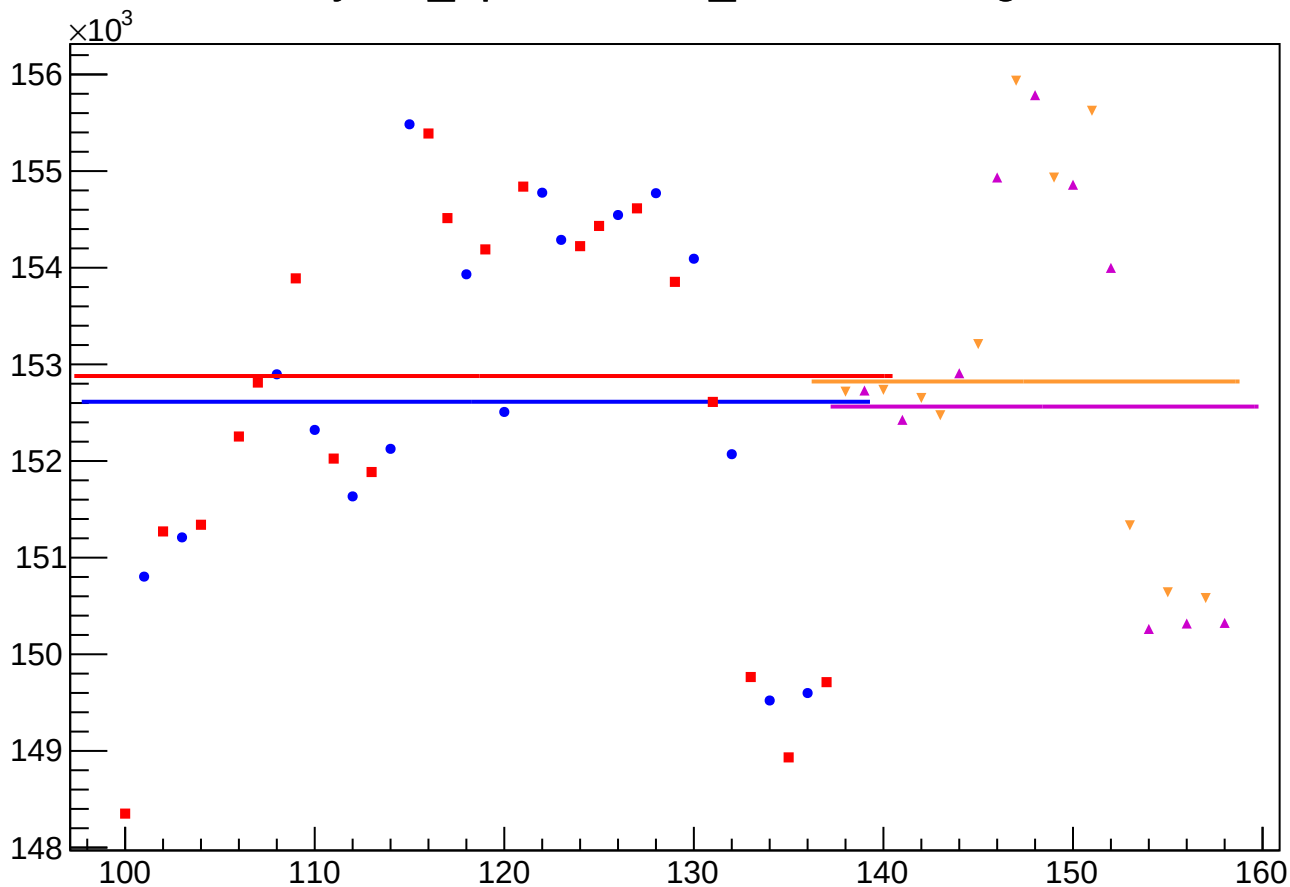
Right Out: 124.514 $\pm$ 0.035 χ^2/NDF : 1531546.7/19

Left In: 175.268 $\pm$ 0.044 χ^2/NDF :93255.0/9

148.300 $\pm$ 0.029 χ^2/NDF : 2118030.5/27

144.653 $\pm$ 0.028 χ^2/NDF : 2436794.8/29

yield_bpm0i07WS_mean vs Slug



Right In: 152613.122 ± 0.072 χ^2/NDF : 623356098.4/16

Left Out: 152822.885 ± 0.068 χ^2/NDF : 600682312.7/10

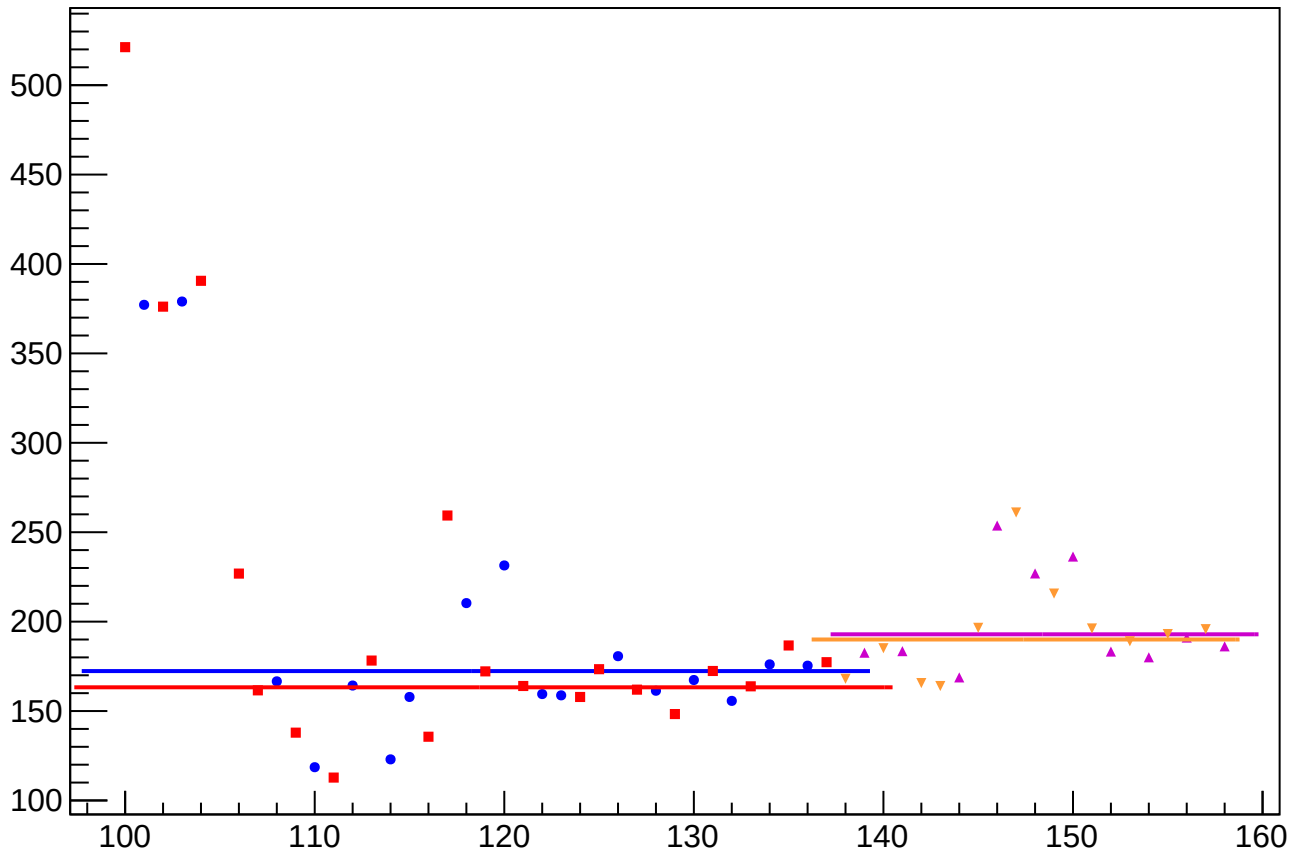
Right Out: 152879.455 ± 0.066 χ^2/NDF : 717907168.5/19

Left In: 152563.167 ± 0.069 χ^2/NDF : 718787229.9/9

152724.700 ± 0.049 χ^2/NDF : 1228520028.8/27

152727.137 ± 0.048 χ^2/NDF : 1447716455.7/29

yield_bpm0i07WS_rms vs Slug



Right In: 172.351 ± 0.051 χ^2/NDF : 921911.1/16

Left Out: 190.009 ± 0.048 χ^2/NDF : 218836.5/10

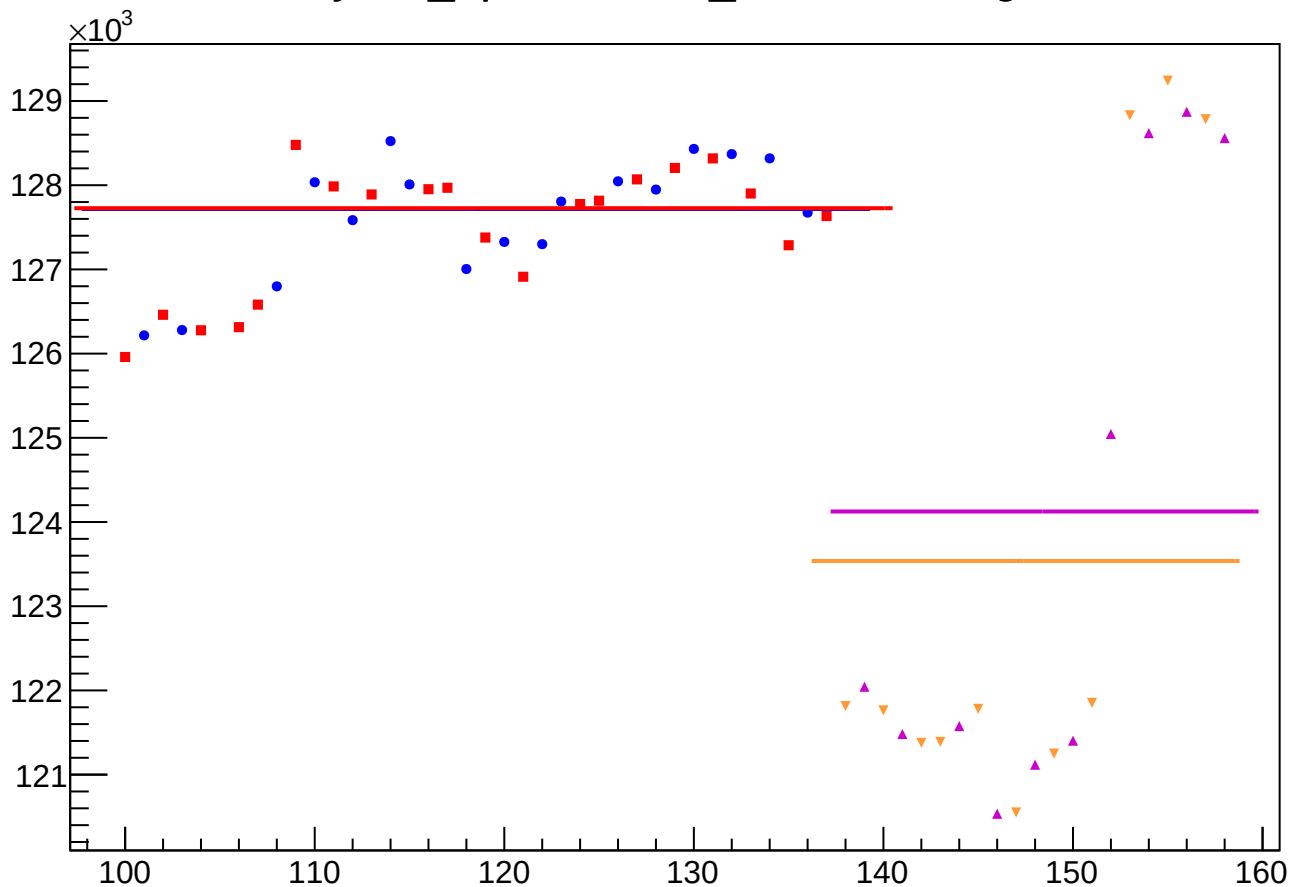
Right Out: 163.273 ± 0.047 χ^2/NDF : 1043440.1/19

Left In: 192.915 ± 0.049 χ^2/NDF : 242086.2/9

181.744 ± 0.035 χ^2/NDF : 1204266.8/27

177.548 ± 0.034 χ^2/NDF : 1479146.1/29

yield_bpm0l01WS_mean vs Slug



Right In: 127717.888 $\pm$ 0.058 χ^2/NDF : 95177660.2/16

Left Out: 123537.337 $\pm$ 0.059 χ^2/NDF : 3125306601.4/10

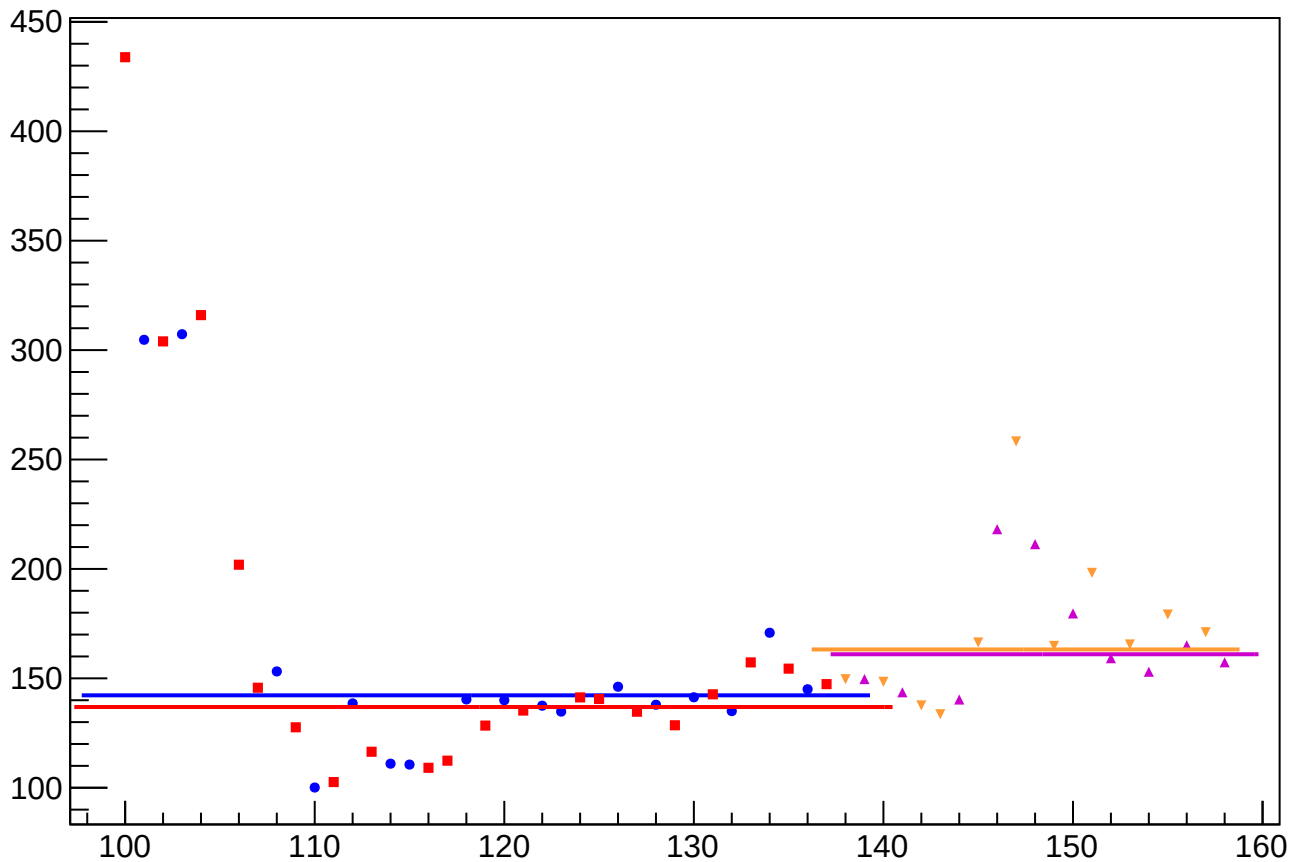
Right Out: 127726.969 $\pm$ 0.054 χ^2/NDF : 112752557.5/19

Left In: 124125.076 $\pm$ 0.058 χ^2/NDF : 3253644707.3/9

125652.243 $\pm$ 0.041 χ^2/NDF : 5762524908.0/27

126034.387 $\pm$ 0.039 χ^2/NDF : 5437977301.1/29

yield_bpm0l01WS_rms vs Slug



Right In: 142.240+/-0.041 χ^2/NDF : 836415.1/16

Left Out: 163.200+/-0.042 χ^2/NDF : 391135.5/10

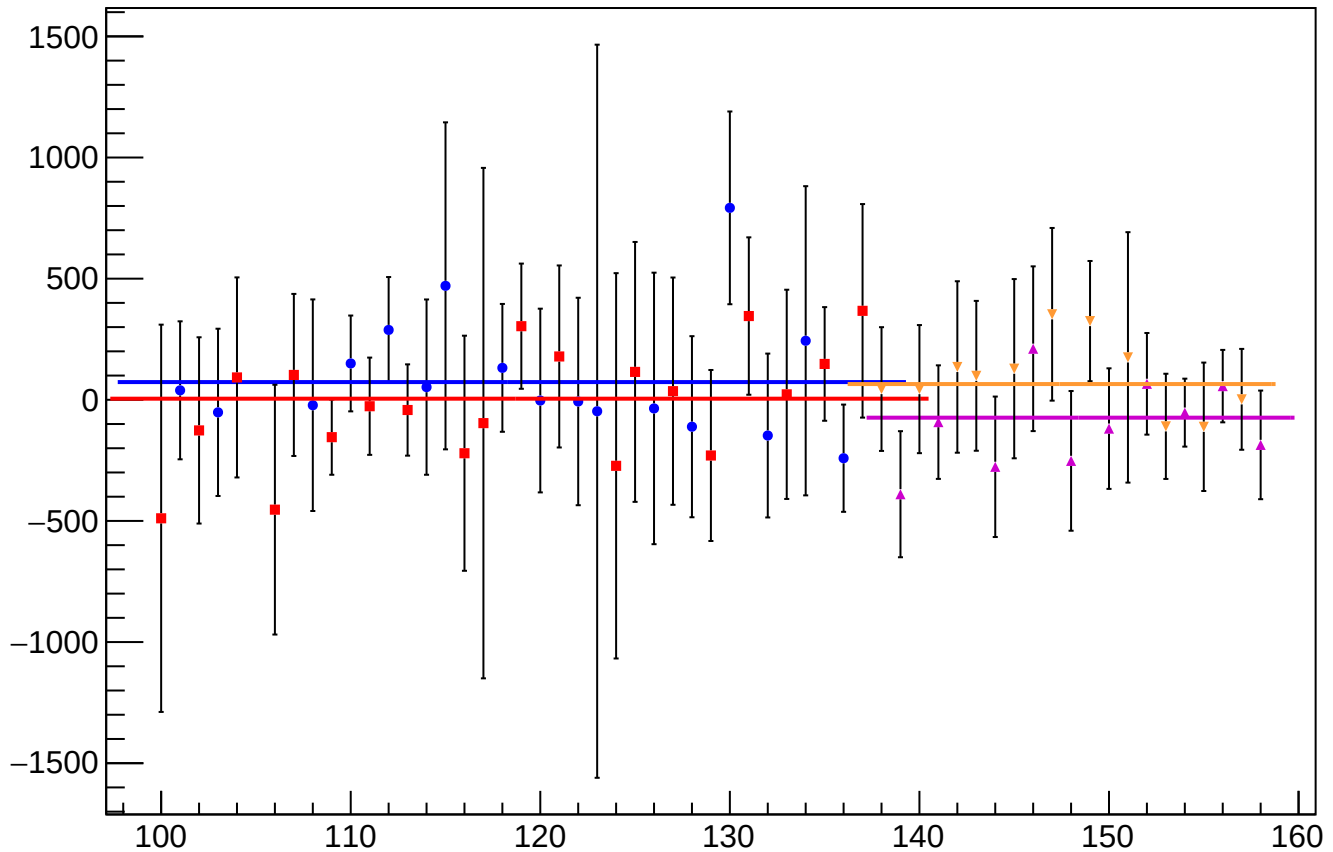
Right Out: 136.904+/-0.038 χ^2/NDF : 961858.5/19

Left In: 161.005+/-0.041 χ^2/NDF : 287668.6/9

152.597+/-0.029 χ^2/NDF : 1355345.1/27

148.229+/-0.028 χ^2/NDF : 1435031.8/29

asym_bcm_an_ds_mean vs Slug



Right In: 73.109+/-79.604 χ^2/NDF : 7.9/16

Left Out: 64.957+/-83.981 χ^2/NDF : 3.1/10

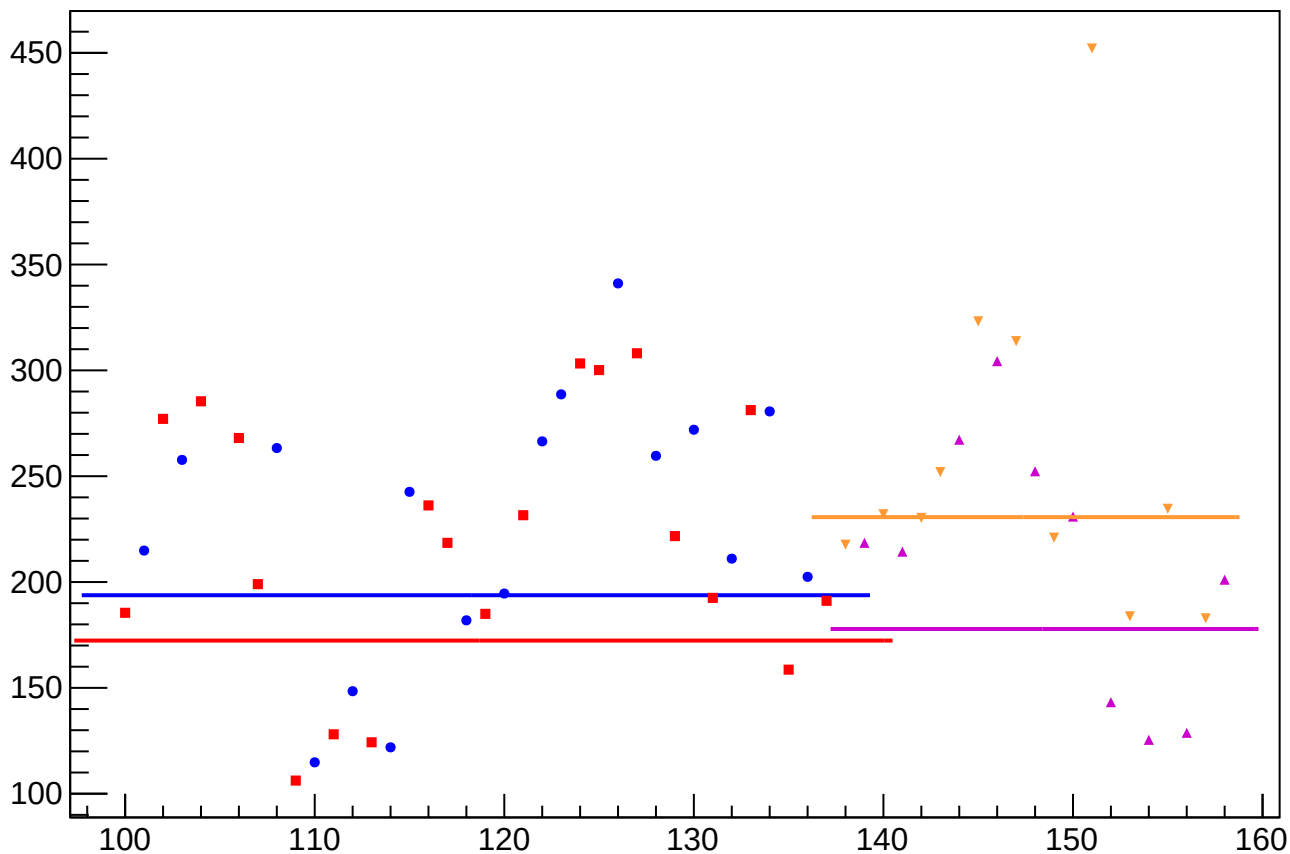
Right Out: 4.574+/-69.944 χ^2/NDF : 7.1/19

Left In: -73.813+/-67.433 χ^2/NDF : 4.6/9

69.251+/-57.774 χ^2/NDF : 10.9/27

-36.051+/-48.546 χ^2/NDF : 12.3/29

asym_bcm_an_ds_rms vs Slug



Right In: 193.773 ± 0.056 χ^2/NDF : 1017081.7/16

Left Out: 230.665 ± 0.059 χ^2/NDF : 817877.8/10

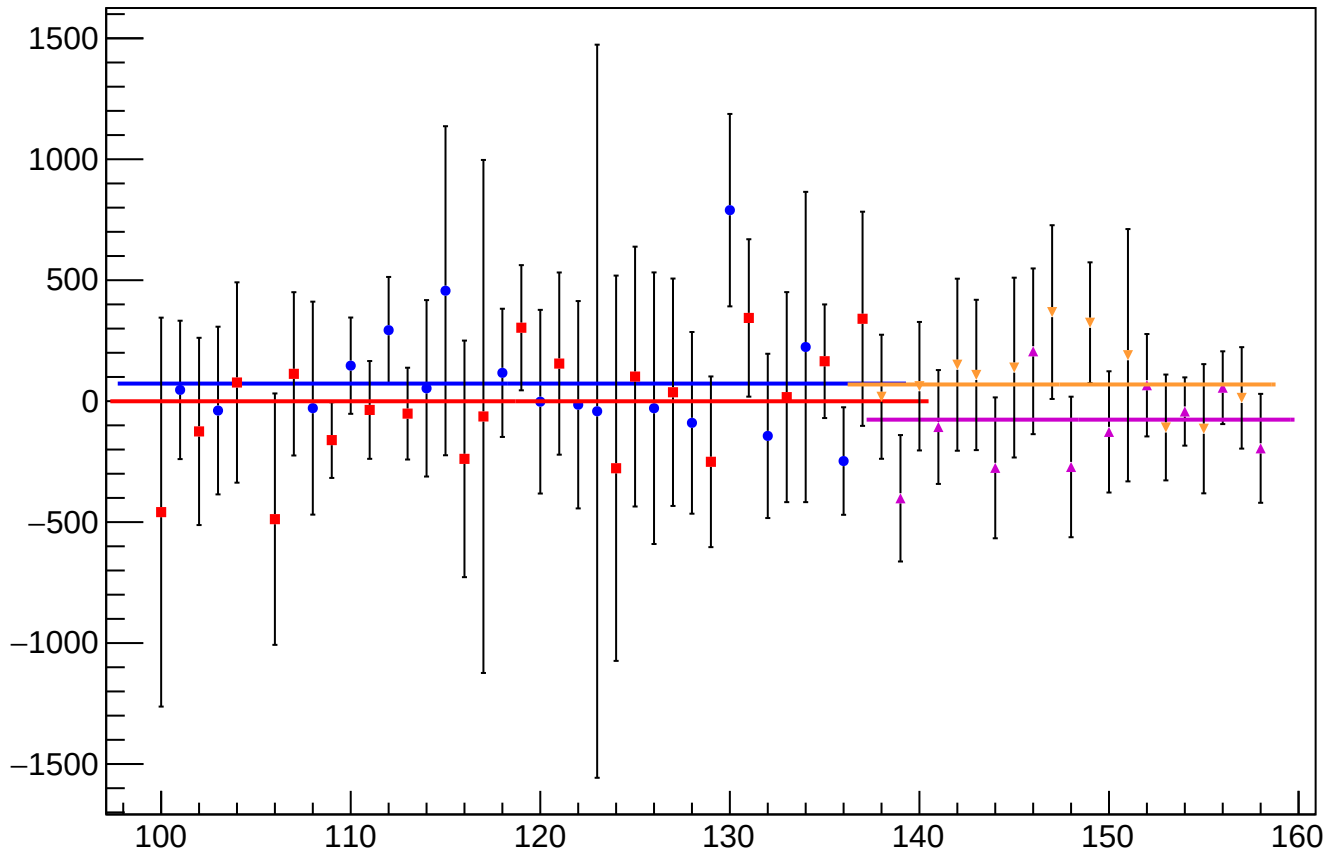
Right Out: 172.346 ± 0.049 χ^2/NDF : 1583893.0/19

Left In: 177.824 ± 0.048 χ^2/NDF : 1359661.2/9

211.232 ± 0.041 χ^2/NDF : 2038259.4/27

175.185 ± 0.034 χ^2/NDF : 2949912.0/29

asym_bcm_an_ds3_mean vs Slug



Right In: 72.675+/-79.992 χ^2/NDF : 7.8/16

Left Out: 68.994+/-84.514 χ^2/NDF : 3.1/10

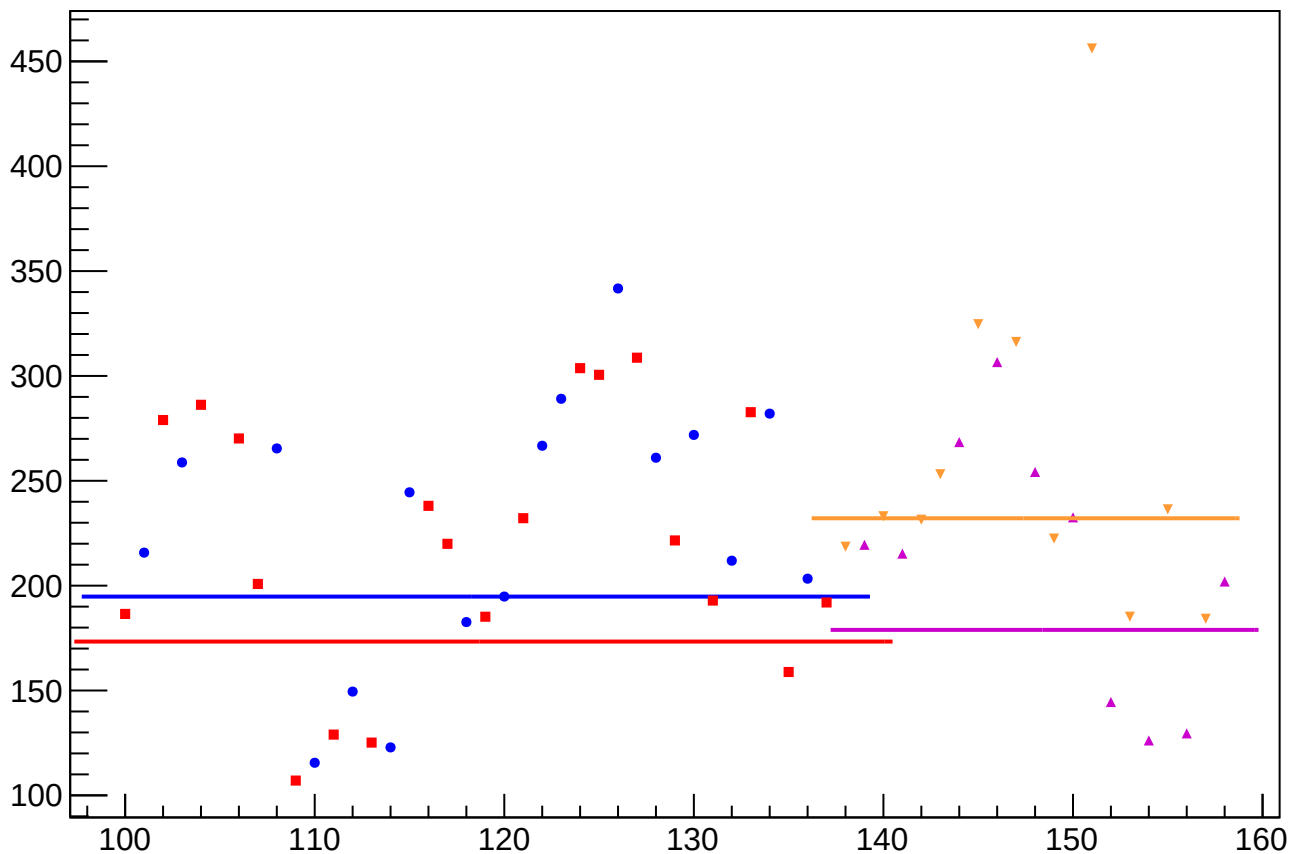
Right Out: -0.459+/-70.312 χ^2/NDF : 7.3/19

Left In: -76.453+/-67.844 χ^2/NDF : 4.8/9

70.935+/-58.095 χ^2/NDF : 10.9/27

-39.813+/-48.822 χ^2/NDF : 12.7/29

asym_bcm_an_ds3_rms vs Slug



Right In: 194.782 $\pm$ 0.057 χ^2 /NDF: 1008292.8/16

Left Out: 232.127 $\pm$ 0.060 χ^2 /NDF: 817443.7/10

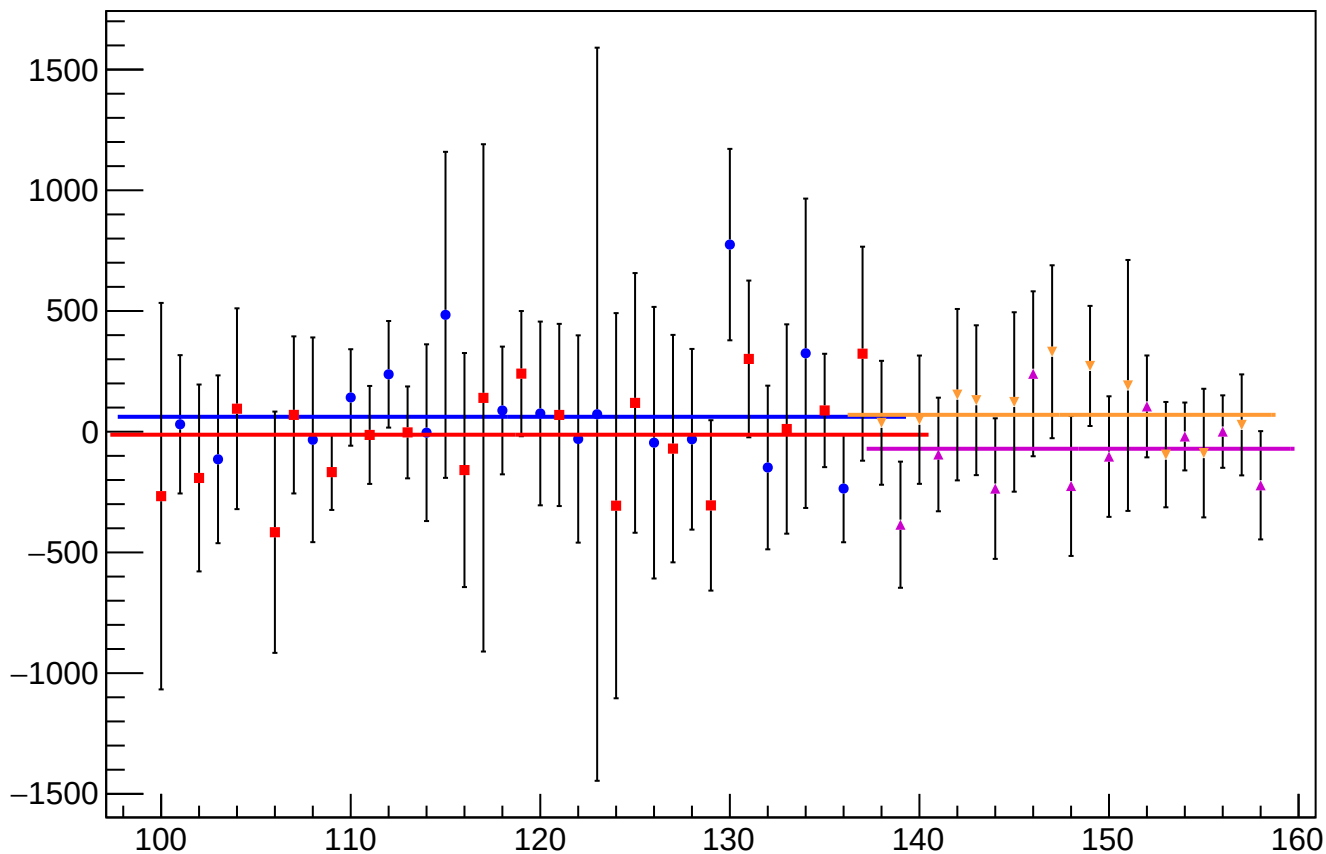
Right Out: 173.337 $\pm$ 0.050 χ^2 /NDF: 1571436.7/19

Left In: 178.908 $\pm$ 0.048 χ^2 /NDF: 1357601.7/9

212.429 $\pm$ 0.041 χ^2 /NDF: 2031715.5/27

176.222 $\pm$ 0.035 χ^2 /NDF: 2935540.2/29

asym_bcm_an_us_mean vs Slug



Right In: 61.814 $\pm$ 79.986 χ^2 /NDF: 7.3/16

Left Out: 69.961 $\pm$ 84.358 χ^2 /NDF: 2.4/10

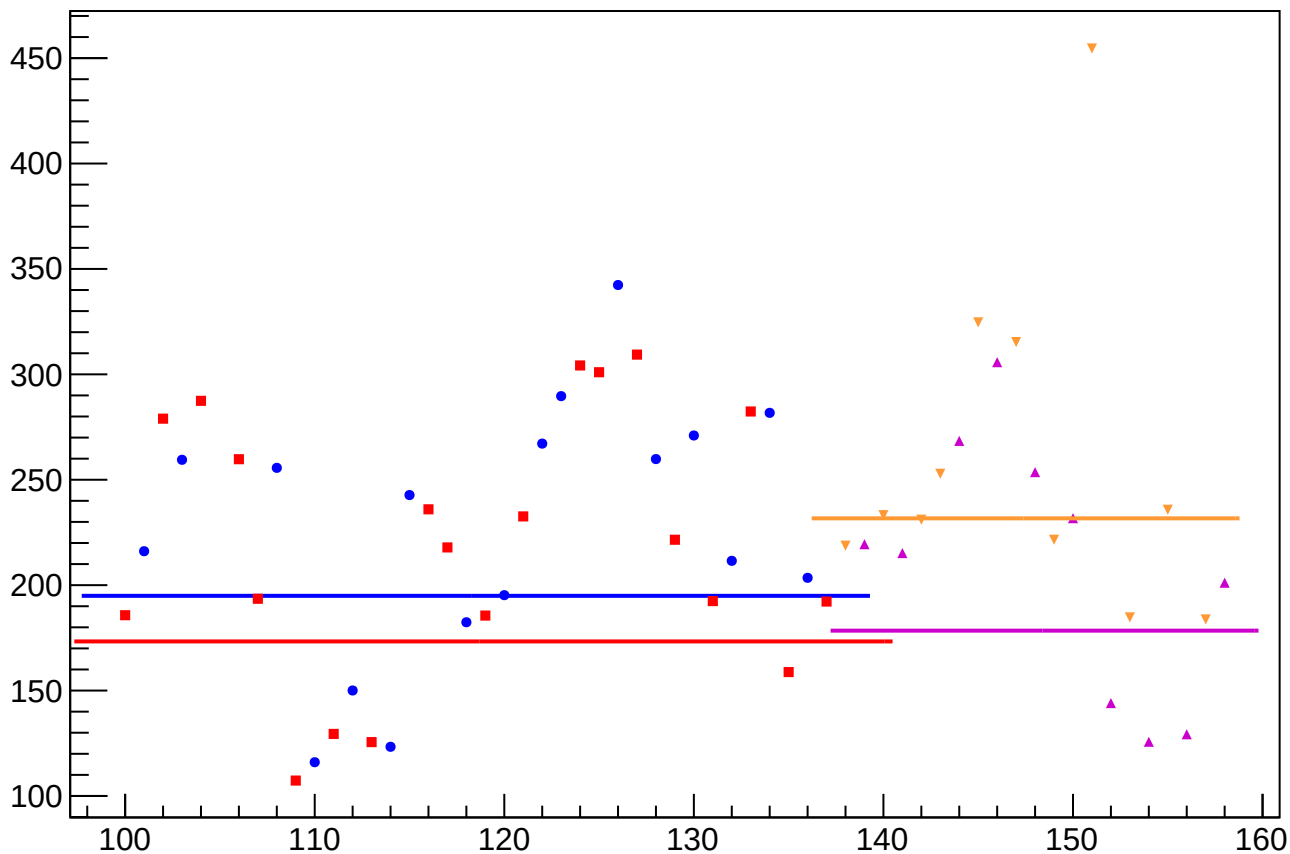
Right Out: -12.417 $\pm$ 70.233 χ^2 /NDF: 5.8/19

Left In: -70.636 $\pm$ 67.671 χ^2 /NDF: 4.4/9

65.671 $\pm$ 58.043 χ^2 /NDF: 9.6/27

-42.608 $\pm$ 48.731 χ^2 /NDF: 10.5/29

asym_bcm_an_us_rms vs Slug



Right In: 194.939+/-0.057 χ^2/NDF : 986629.1/16

Left Out: 231.697+/-0.060 χ^2/NDF : 818217.1/10

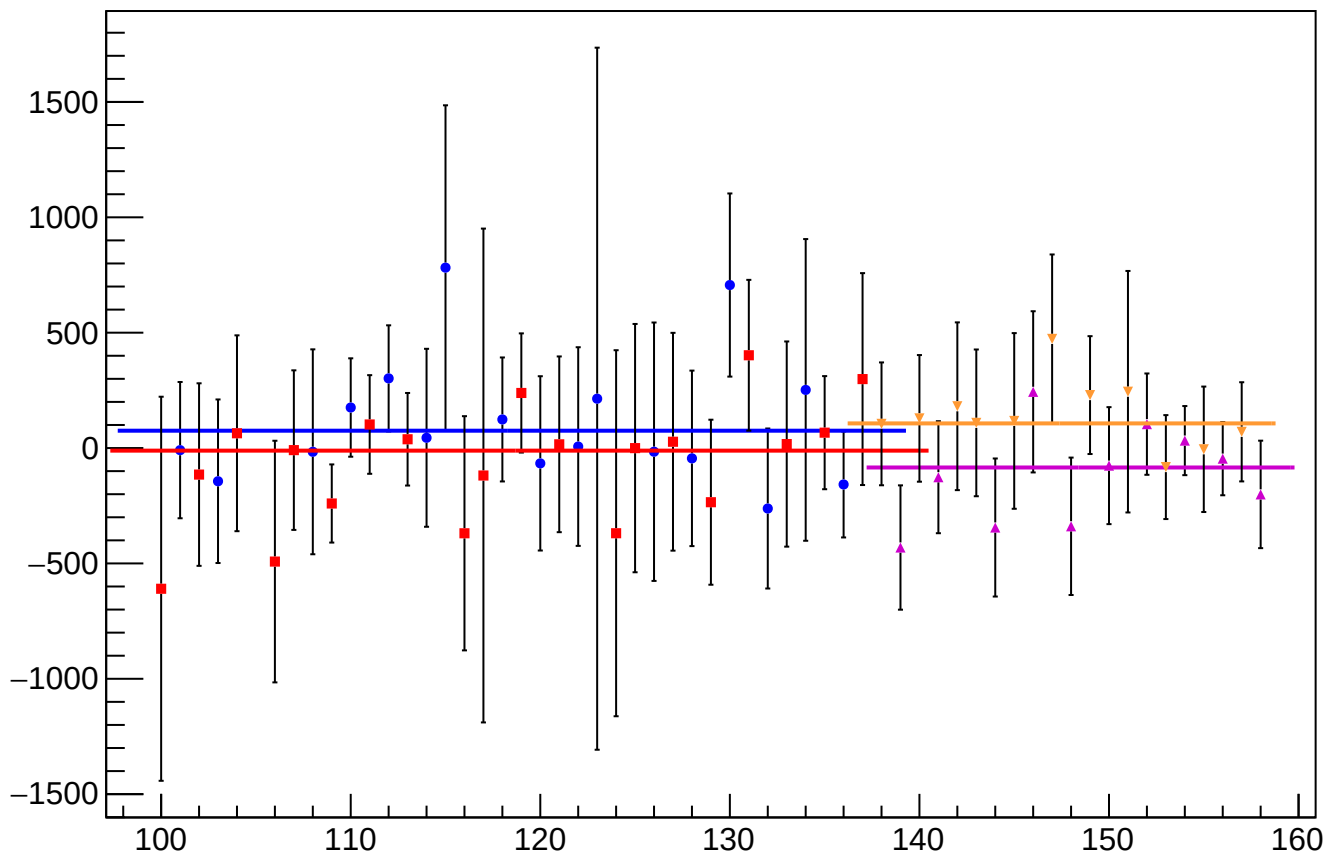
Right Out: 173.309+/-0.050 χ^2/NDF : 1548342.3/19

Left In: 178.423+/-0.048 χ^2/NDF : 1362632.1/9

212.341+/-0.041 χ^2/NDF : 2004807.8/27

175.961+/-0.034 χ^2/NDF : 2916473.1/29

asym_bcm_dg_us_mean vs Slug



Right In: 75.207 $\pm$ 82.504 χ^2 /NDF: 7.6/16

Left Out: 106.834 $\pm$ 86.679 χ^2 /NDF: 2.3/10

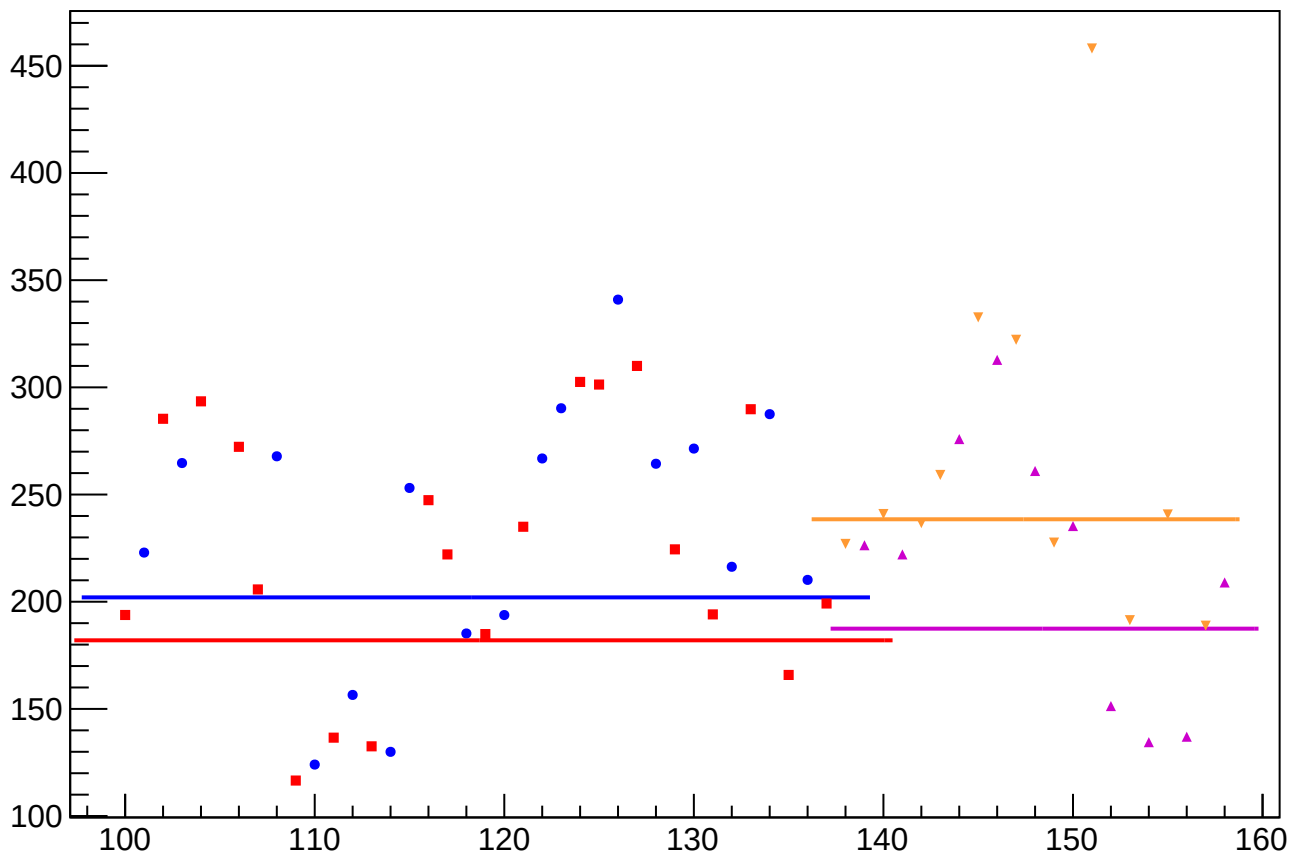
Right Out: -11.180 $\pm$ 73.166 χ^2 /NDF: 7.8/19

Left In: -84.234 $\pm$ 70.632 χ^2 /NDF: 5.7/9

90.240 $\pm$ 59.761 χ^2 /NDF: 10.0/27

-48.994 $\pm$ 50.816 χ^2 /NDF: 14.1/29

asym_bcm_dg_us_rms vs Slug



Right In: 202.029+/-0.058 χ^2/NDF : 881608.7/16

Left Out: 238.460+/-0.061 χ^2/NDF : 789581.2/10

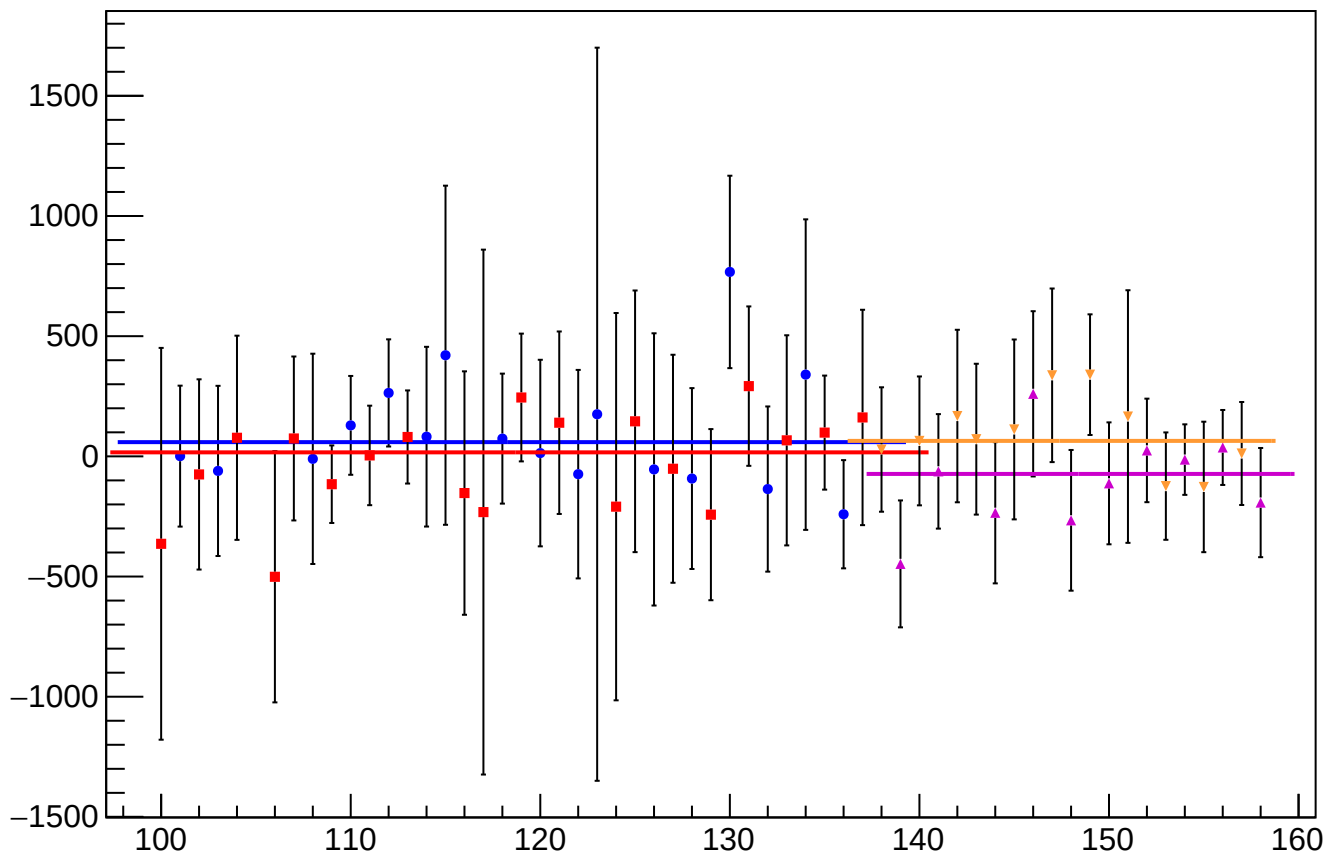
219.346+/-0.042 χ^2/NDF : 1856547.7/27

Right Out: 182.000+/-0.052 χ^2/NDF : 1380354.3/19

184.815+/-0.036 χ^2/NDF : 2617442.9/29

Left In: 187.439+/-0.050 χ^2/NDF : 1231367.2/9

asym_bcm_dg_ds_mean vs Slug



Right In: 59.175+/-81.417 χ^2/NDF : 7.1/16

Left Out: 64.348+/-85.601 χ^2/NDF : 3.2/10

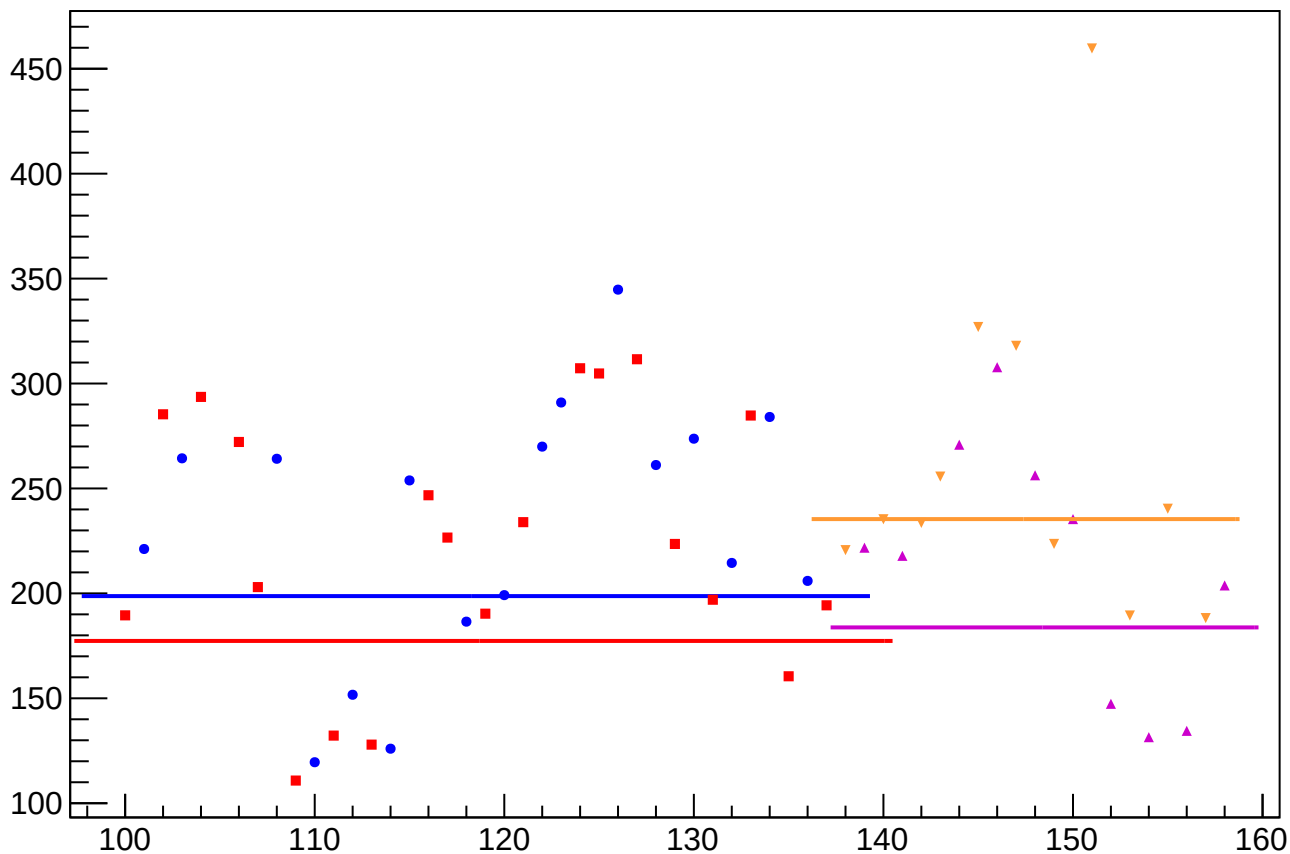
Right Out: 16.650+/-71.745 χ^2/NDF : 4.7/19

Left In: -73.097+/-69.380 χ^2/NDF : 4.9/9

61.632+/-58.994 χ^2/NDF : 10.3/27

-29.727+/-49.874 χ^2/NDF : 10.4/29

asym_bcm_dg_ds_rms vs Slug



Right In: 198.704 ± 0.058 $\chi^2/\text{NDF}: 963394.4/16$

Left Out: 235.395 ± 0.061 $\chi^2/\text{NDF}: 790072.2/10$

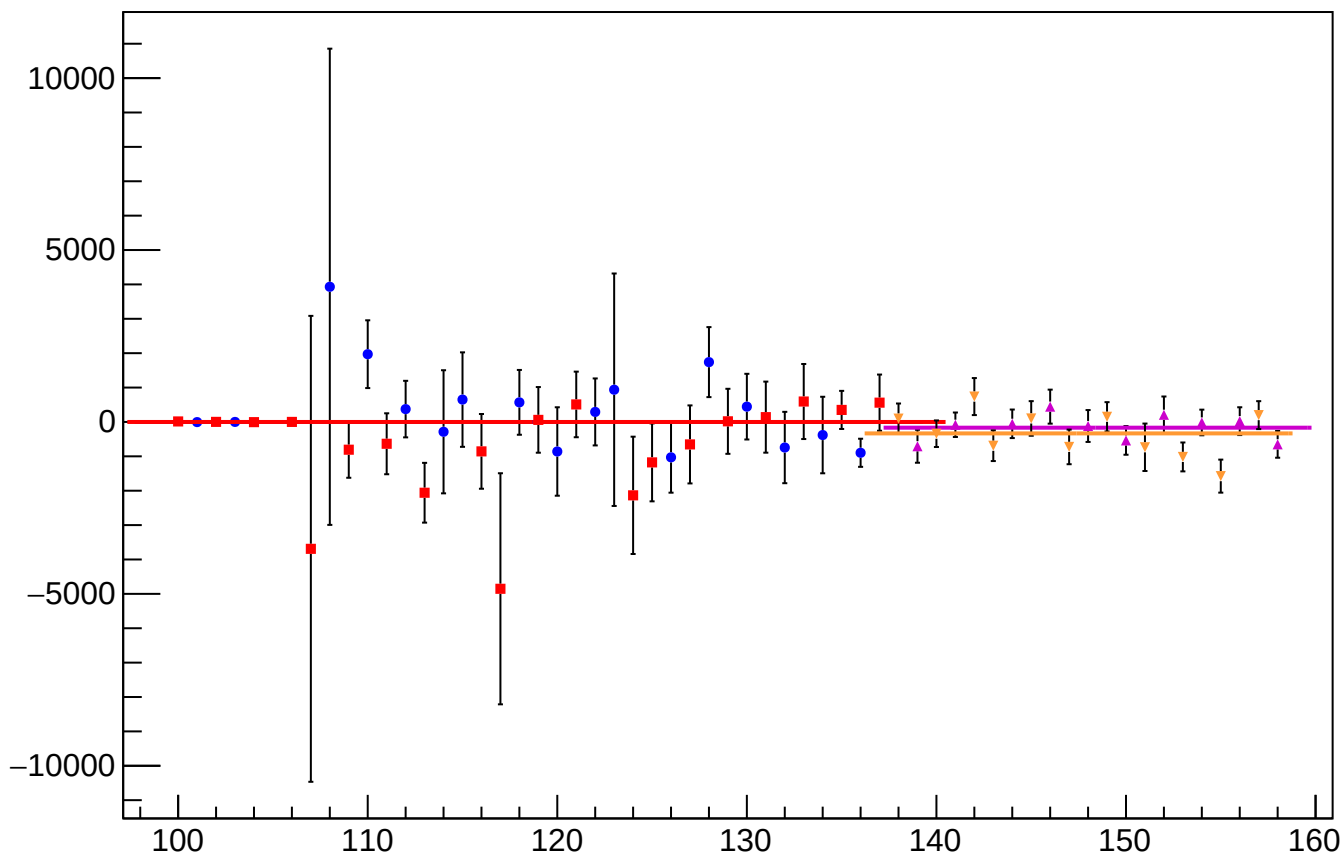
Right Out: 177.338 ± 0.051 $\chi^2/\text{NDF}: 1528976.8/19$

Left In: 183.781 ± 0.049 $\chi^2/\text{NDF}: 1250303.1/9$

216.131 ± 0.042 $\chi^2/\text{NDF}: 1946393.8/27$

180.667 ± 0.035 $\chi^2/\text{NDF}: 2787612.7/29$

asym_cav4bQ_mean vs Slug



Right In: -1.529 ± 2.251 χ^2/NDF : 16.6/16

Left Out: -333.259 ± 138.748 χ^2/NDF : 19.6/10

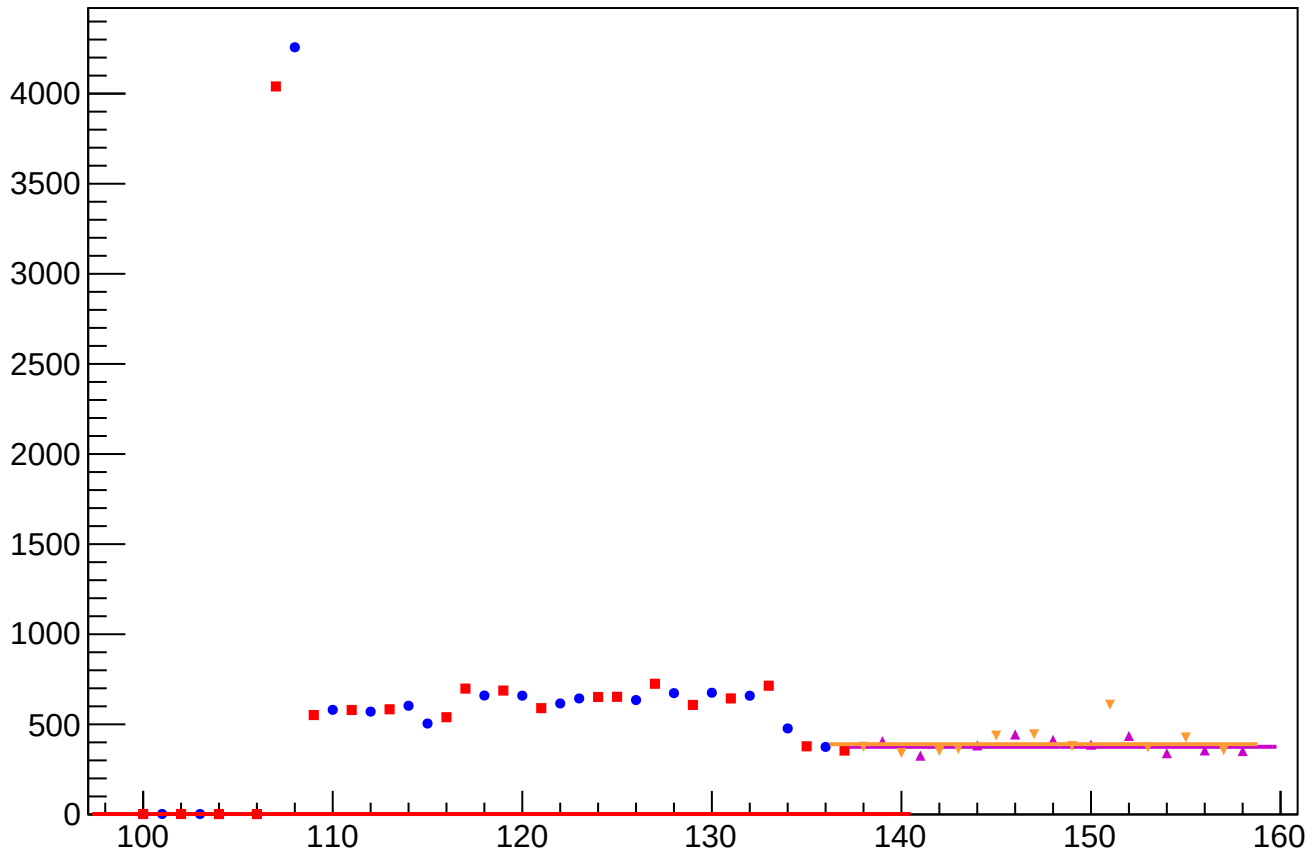
Right Out: -0.733 ± 2.111 χ^2/NDF : 20.5/19

Left In: -167.059 ± 133.696 χ^2/NDF : 6.1/9

-1.616 ± 2.251 χ^2/NDF : 42.0/27

-0.775 ± 2.111 χ^2/NDF : 28.2/29

asym_cav4bQ_rms vs Slug



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 390.004+/-0.098 χ^2/NDF :324793.9/10

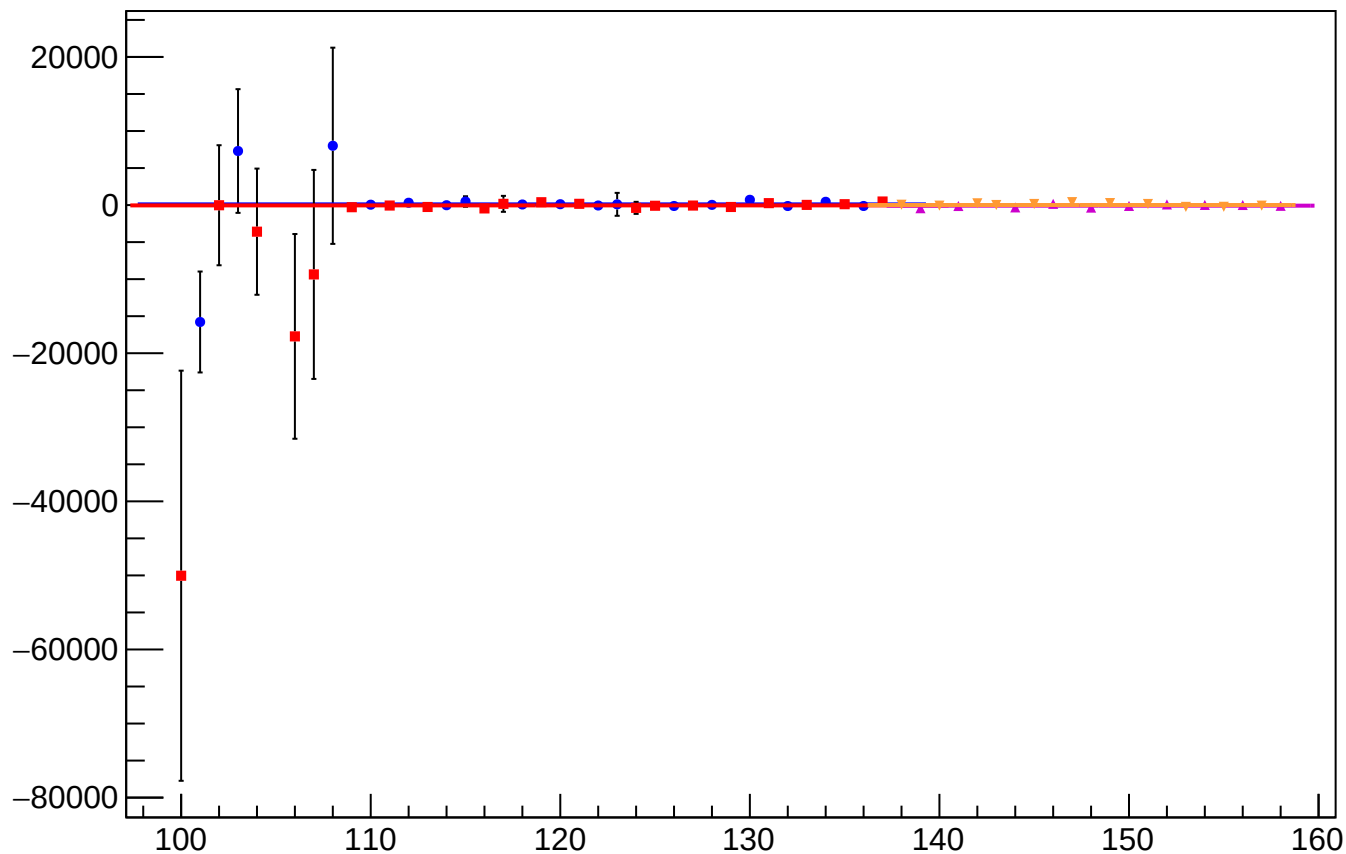
Right Out: 2.437+/-0.001 χ^2/NDF : 11225999.1/19

Left In: 375.455+/-0.095 χ^2/NDF :157092.4/9

2.558+/-0.002 χ^2/NDF : 26630791.9/27

2.530+/-0.001 χ^2/NDF : 26947907.1/29

asym_cav4cQ_mean vs Slug



Right In: 95.353+/-91.708 χ^2 /NDF: 12.0/16

Left Out: 7.568+/-91.487 χ^2 /NDF: 4.5/10

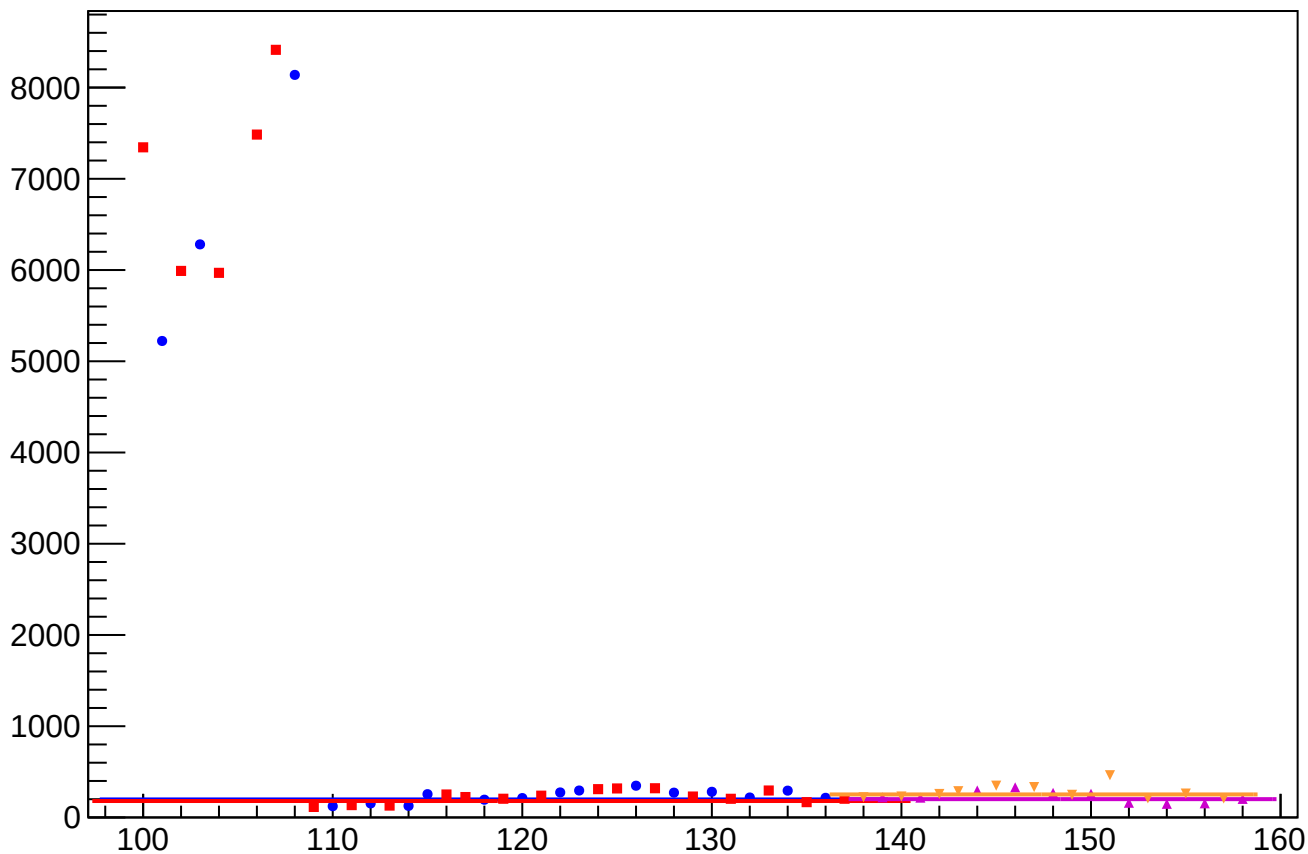
Right Out: -41.335+/-84.288 χ^2 /NDF: 14.0/19

Left In: -78.508+/-74.942 χ^2 /NDF: 4.6/9

51.355+/-64.769 χ^2 /NDF: 16.9/27

-62.096+/-56.006 χ^2 /NDF: 18.8/29

asym_cav4cQ_rms vs Slug



Right In: 197.422+/-0.065 χ^2/NDF : 3695848.3/16

Left Out: 252.358+/-0.065 χ^2/NDF : 726053.4/10

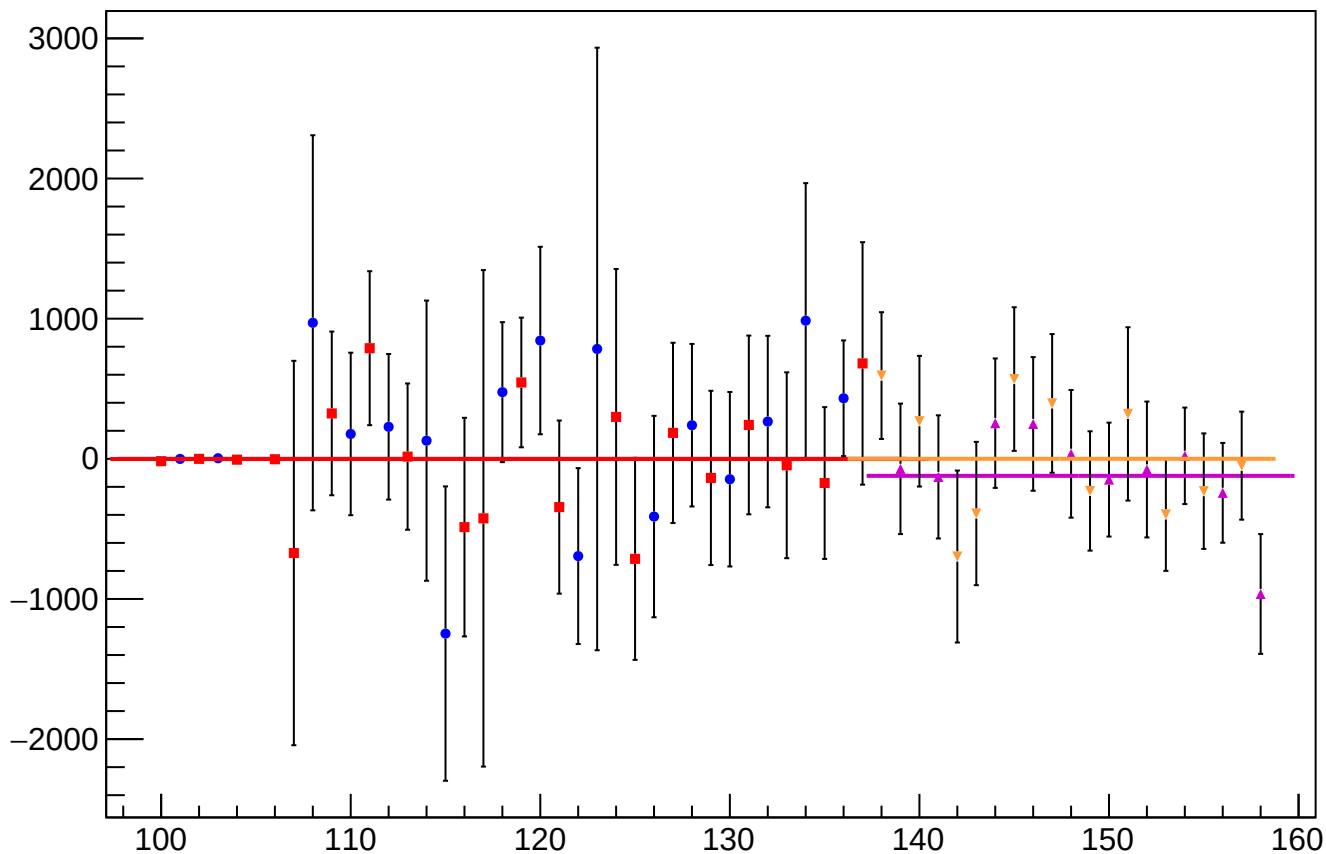
Right Out: 180.250+/-0.060 χ^2/NDF : 4324682.8/19

Left In: 200.693+/-0.053 χ^2/NDF : 1007506.8/9

224.956+/-0.046 χ^2/NDF : 4781612.6/27

191.667+/-0.040 χ^2/NDF : 5397893.4/29

asym_cav4dQ_mean vs Slug



Right In: -0.139 ± 1.737 χ^2/NDF : 9.8/16

Left Out: 0.333 ± 140.326 χ^2/NDF : 7.7/10

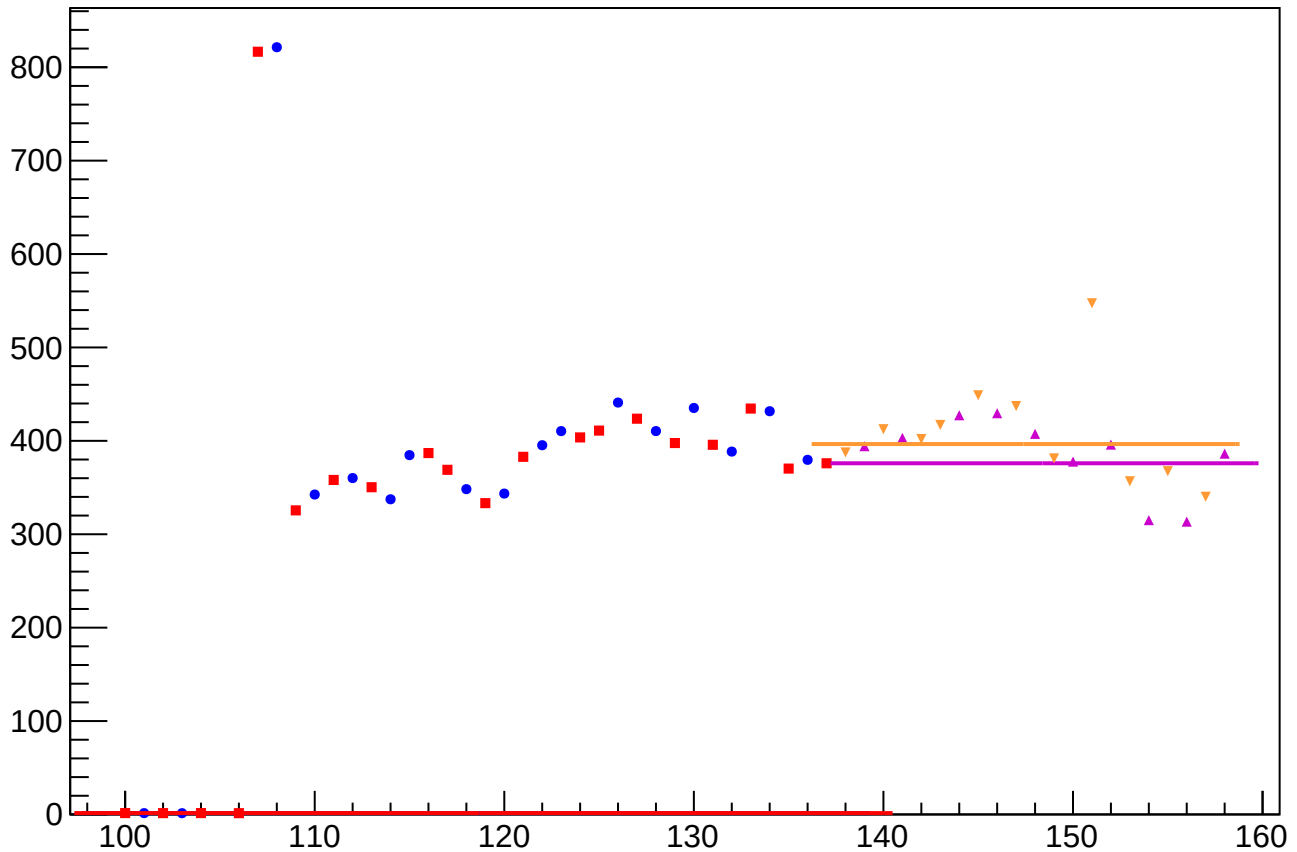
Right Out: -1.324 ± 1.623 χ^2/NDF : 9.6/19

Left In: -121.429 ± 133.851 χ^2/NDF : 5.6/9

-0.139 ± 1.736 χ^2/NDF : 17.4/27

-1.342 ± 1.622 χ^2/NDF : 16.0/29

asym_cav4dQ_rms vs Slug



Right In: 1.452 $\pm$ 0.001 χ^2/NDF : 10815892.9/16

Left Out: 396.562 $\pm$ 0.099 χ^2/NDF : 234521.3/10

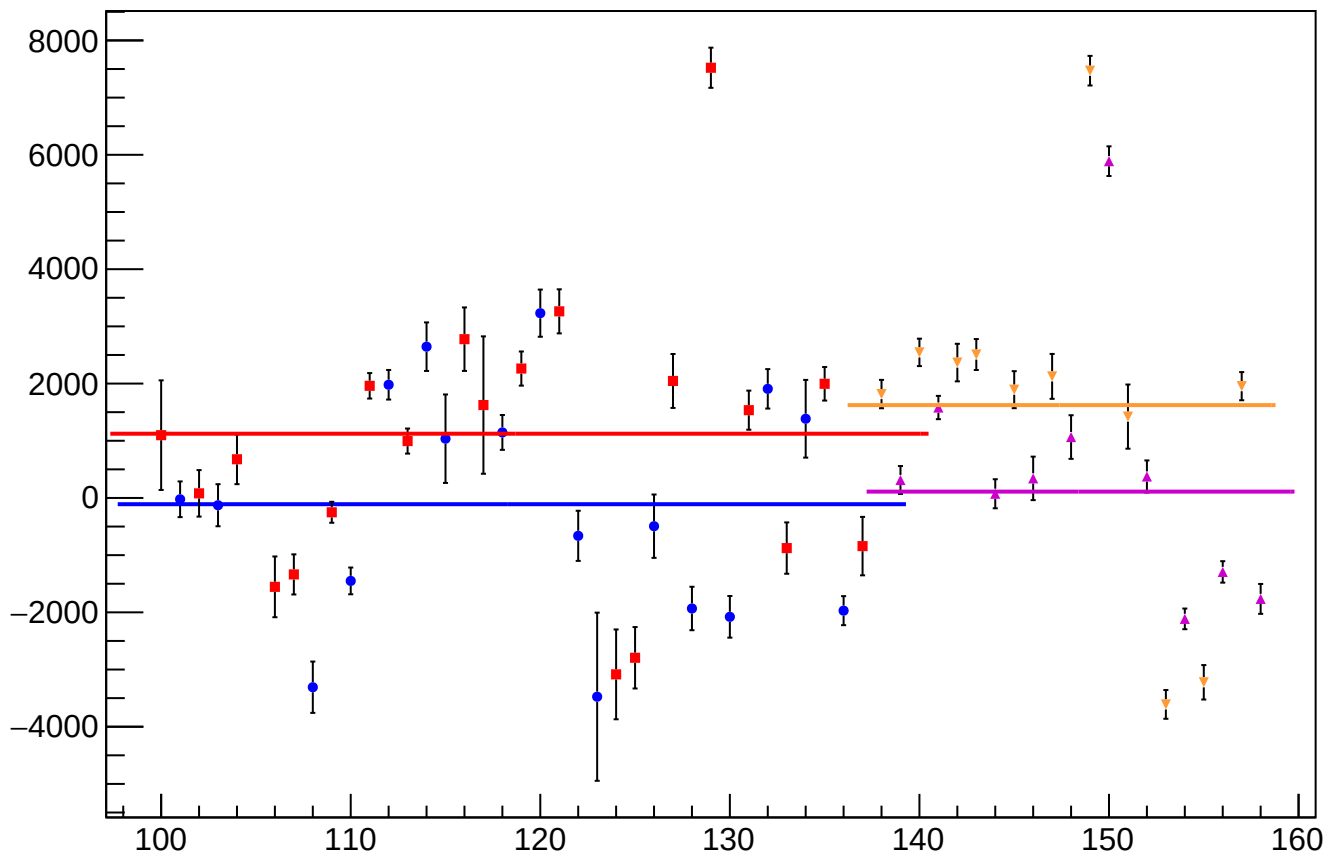
Right Out: 1.451 $\pm$ 0.001 χ^2/NDF : 10959647.1/19

Left In: 375.995 $\pm$ 0.095 χ^2/NDF : 199105.8/9

1.513 $\pm$ 0.001 χ^2/NDF : 26903890.5/27

1.506 $\pm$ 0.001 χ^2/NDF : 26816401.0/29

asym_bcm0l02_mean vs Slug



Right In: -109.225+/-87.961 χ^2/NDF : 428.3/16

Left Out: 1623.506+/-86.349 χ^2/NDF :1238.3/10

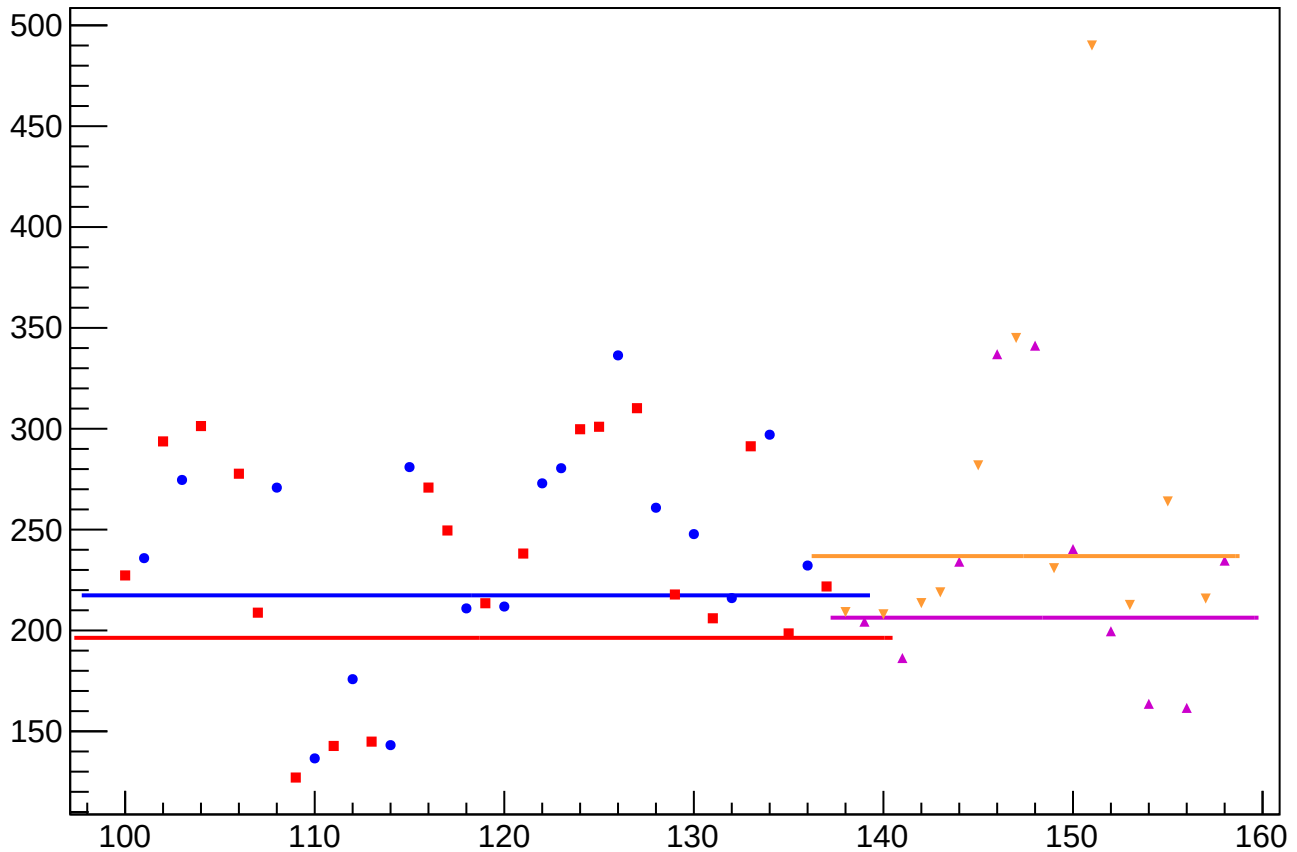
Right Out: 1123.337+/-78.230 χ^2/NDF : 670.2/19

Left In: 110.859+/-76.353 χ^2/NDF :815.6/9

773.169+/-61.620 χ^2/NDF : 1864.3/27

604.808+/-54.641 χ^2/NDF : 1571.6/29

asym_bcm0l02_rms vs Slug



Right In: 217.403+/-0.062 χ^2/NDF : 652632.9/16

Left Out: 236.861+/-0.061 χ^2/NDF : 721148.6/10

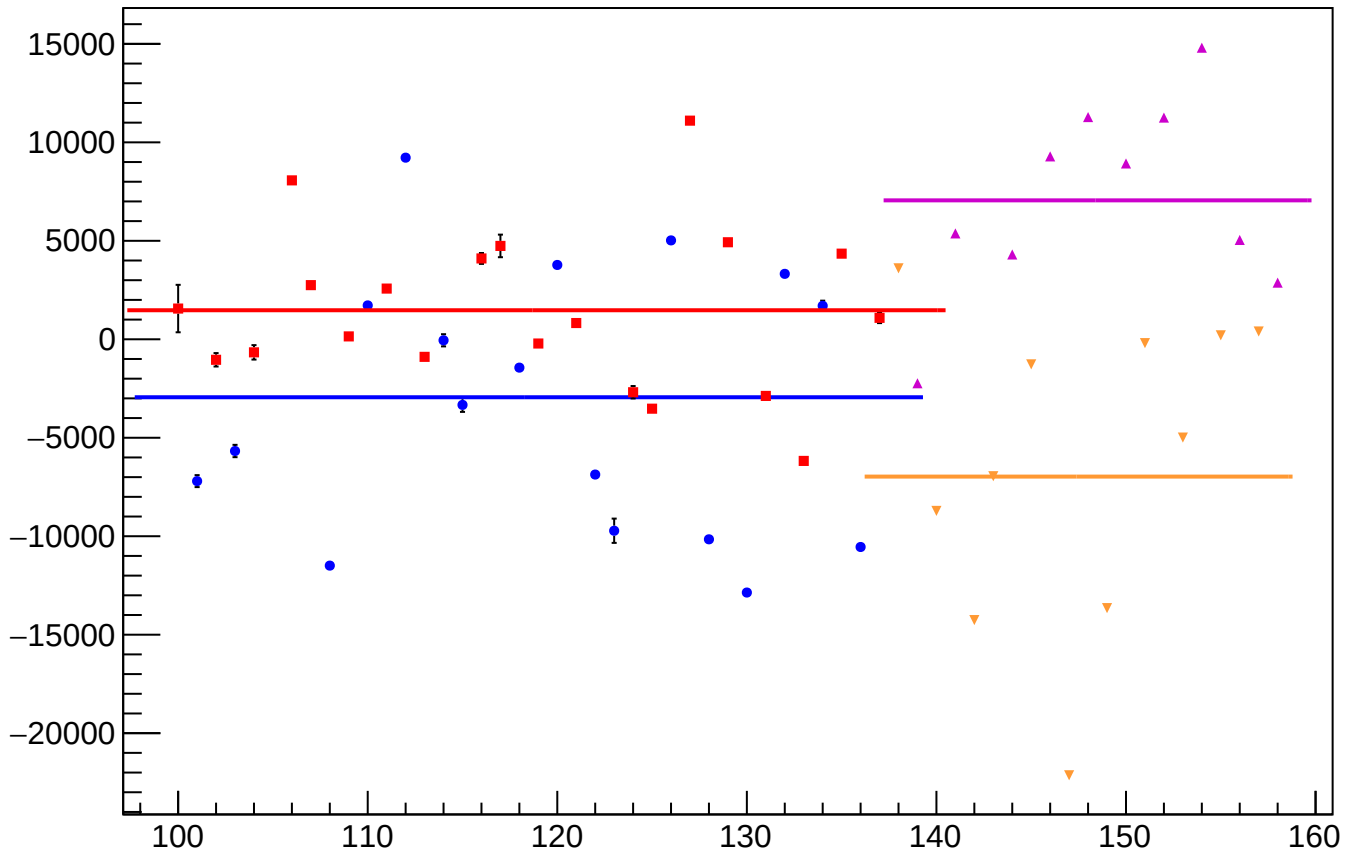
227.312+/-0.044 χ^2/NDF : 1423621.2/27

Right Out: 196.339+/-0.055 χ^2/NDF : 1194805.7/19

201.455+/-0.039 χ^2/NDF : 2025466.9/29

Left In: 206.329+/-0.054 χ^2/NDF : 813957.0/9

asym_bpm2i01WS_mean vs Slug



Right In: -2943.123 ± 48.612 χ^2/NDF : 20909.8/16

Left Out: -6971.853 ± 44.129 χ^2/NDF : 31482.1/10

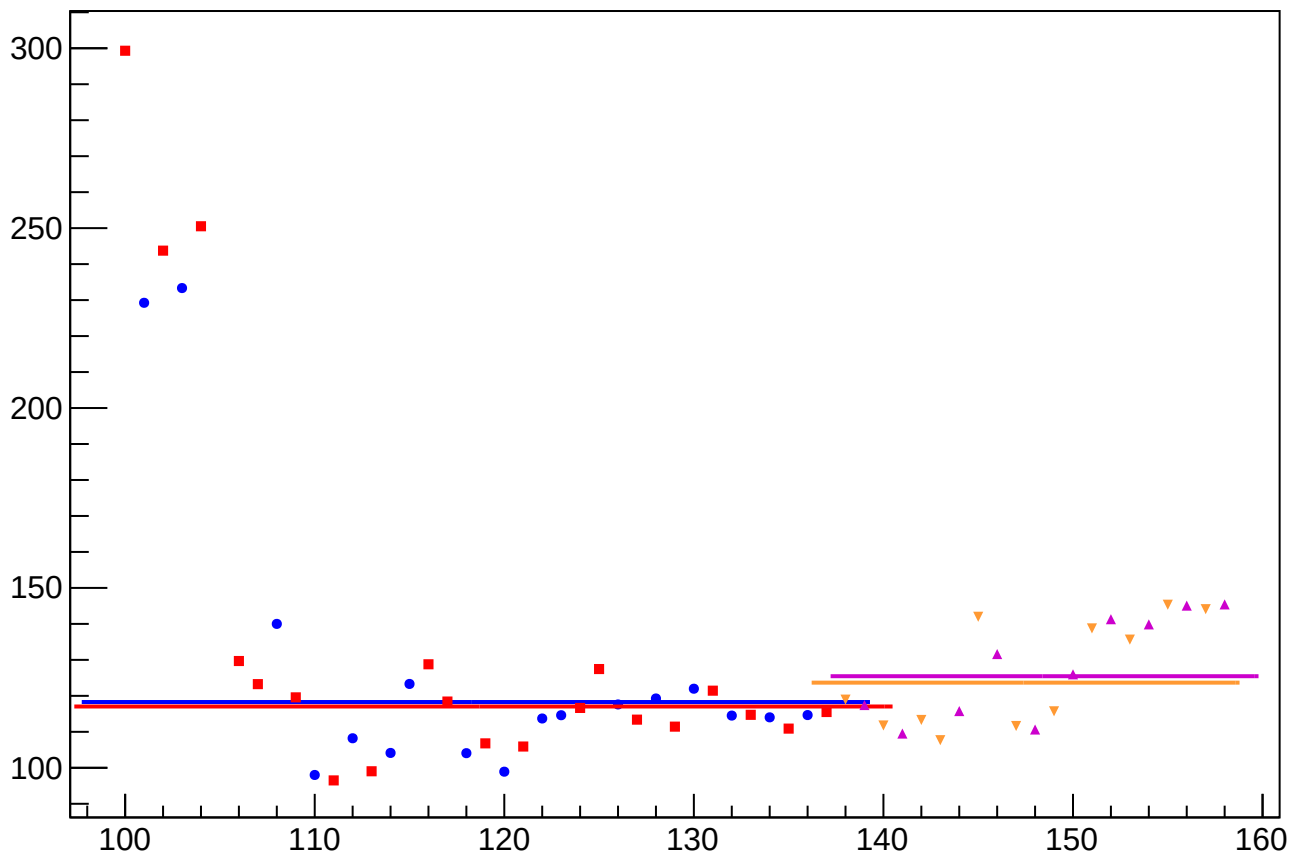
Right Out: 1474.497 ± 46.252 χ^2/NDF : 8028.6/19

Left In: 7054.404 ± 44.613 χ^2/NDF : 10588.1/9

-5151.785 ± 32.674 χ^2/NDF : 56157.3/27

4365.062 ± 32.110 χ^2/NDF : 26156.2/29

asym_bpm2i01WS_rms vs Slug



Right In: 118.286+/-0.034 χ^2/NDF : 636918.0/16

Left Out: 123.672+/-0.031 χ^2/NDF :201558.8/10

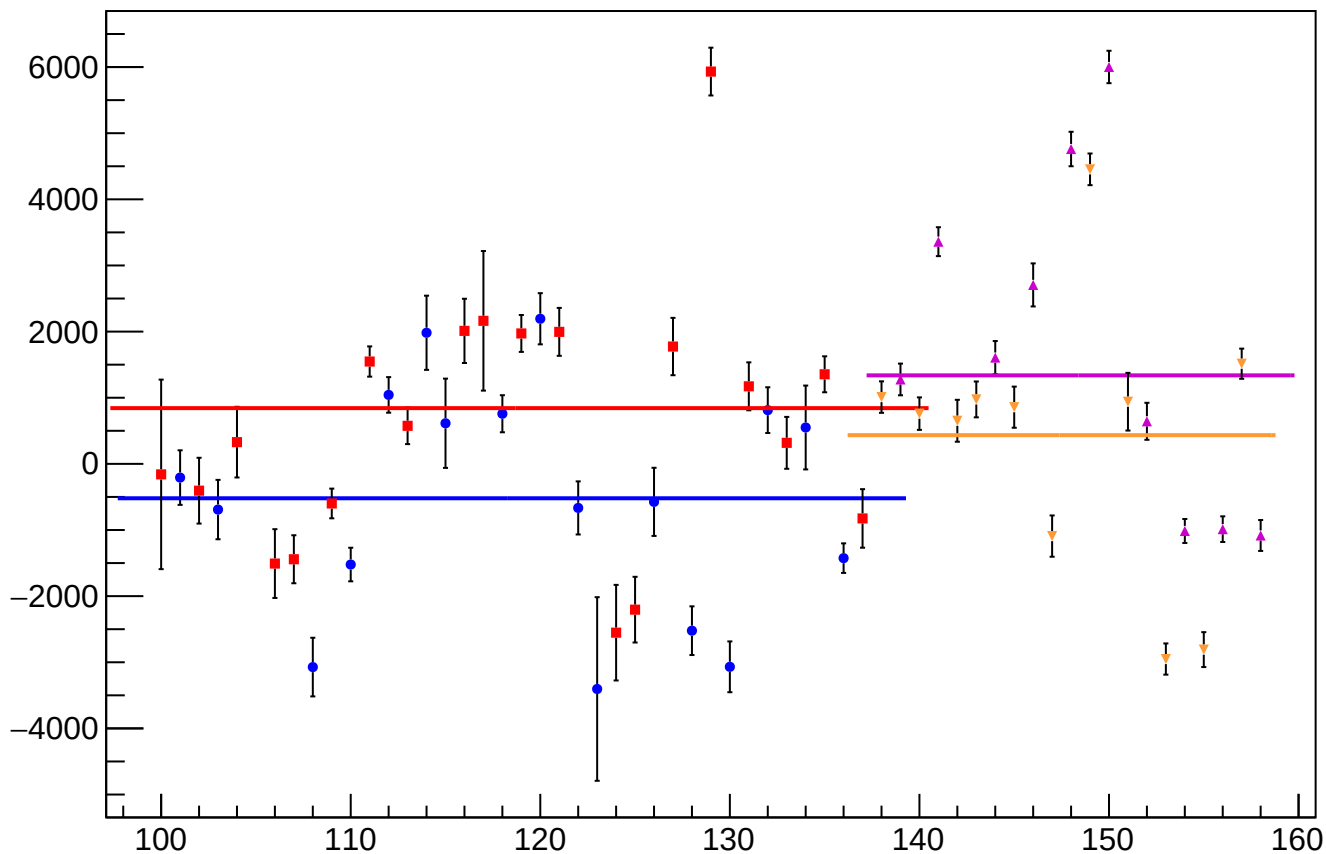
Right Out: 117.040+/-0.033 χ^2/NDF : 690873.1/19

Left In: 125.460+/-0.032 χ^2/NDF :181330.2/9

121.239+/-0.023 χ^2/NDF : 851940.2/27

121.402+/-0.023 χ^2/NDF : 906531.5/29

asym_bpm0i07WS_mean vs Slug



Right In: -520.267 $\pm$ 89.241 χ^2 /NDF: 288.1/16

Left Out: 434.203 $\pm$ 80.952 χ^2 /NDF: 700.4/10

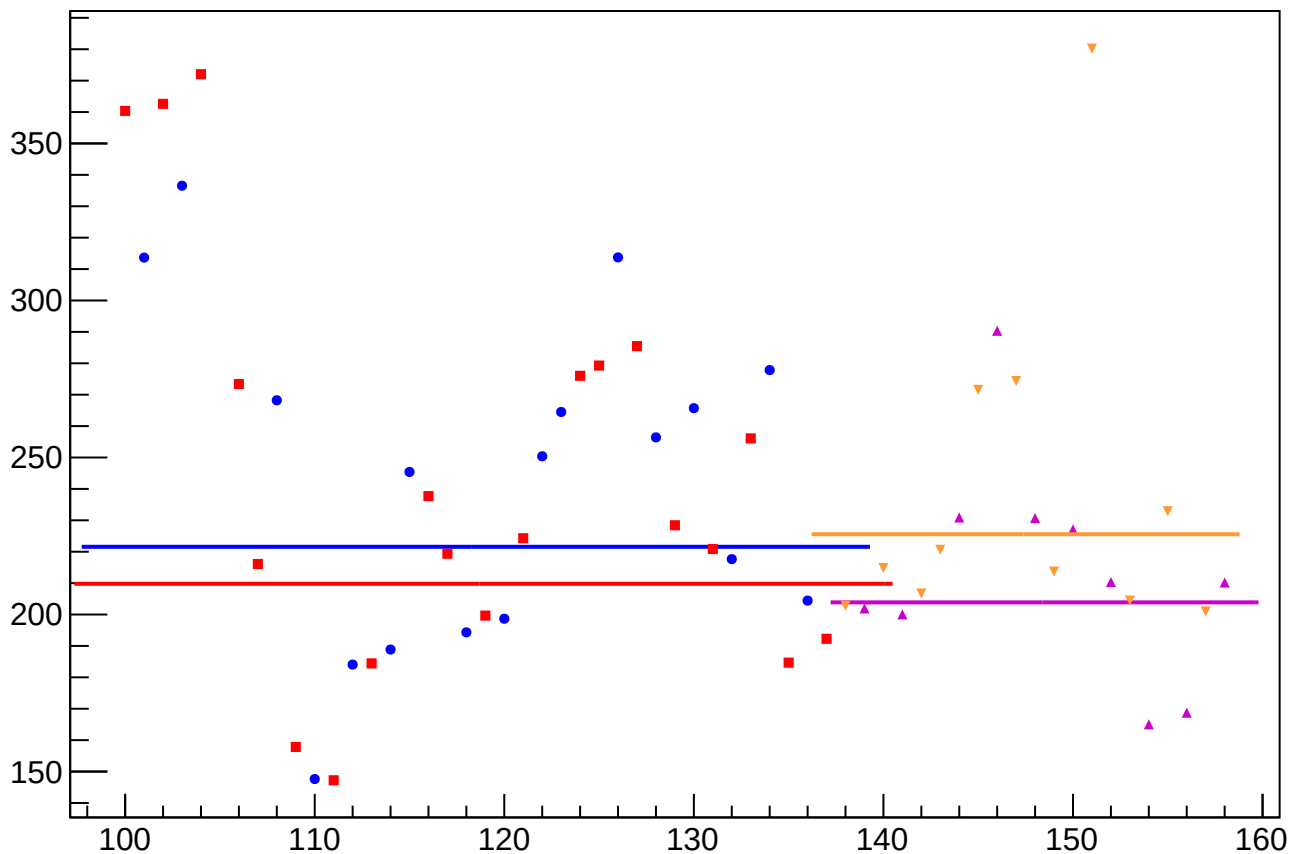
Right Out: 842.858 $\pm$ 82.024 χ^2 /NDF: 436.3/19

Left In: 1338.385 $\pm$ 73.873 χ^2 /NDF: 1065.1/9

3.346 $\pm$ 59.958 χ^2 /NDF: 1051.3/27

1116.459 $\pm$ 54.893 χ^2 /NDF: 1521.5/29

asym_bpm0i07WS_rms vs Slug



Right In: 221.570 ± 0.063 χ^2/NDF : 644941.4/16

Left Out: 225.564 ± 0.057 χ^2/NDF : 419352.1/10

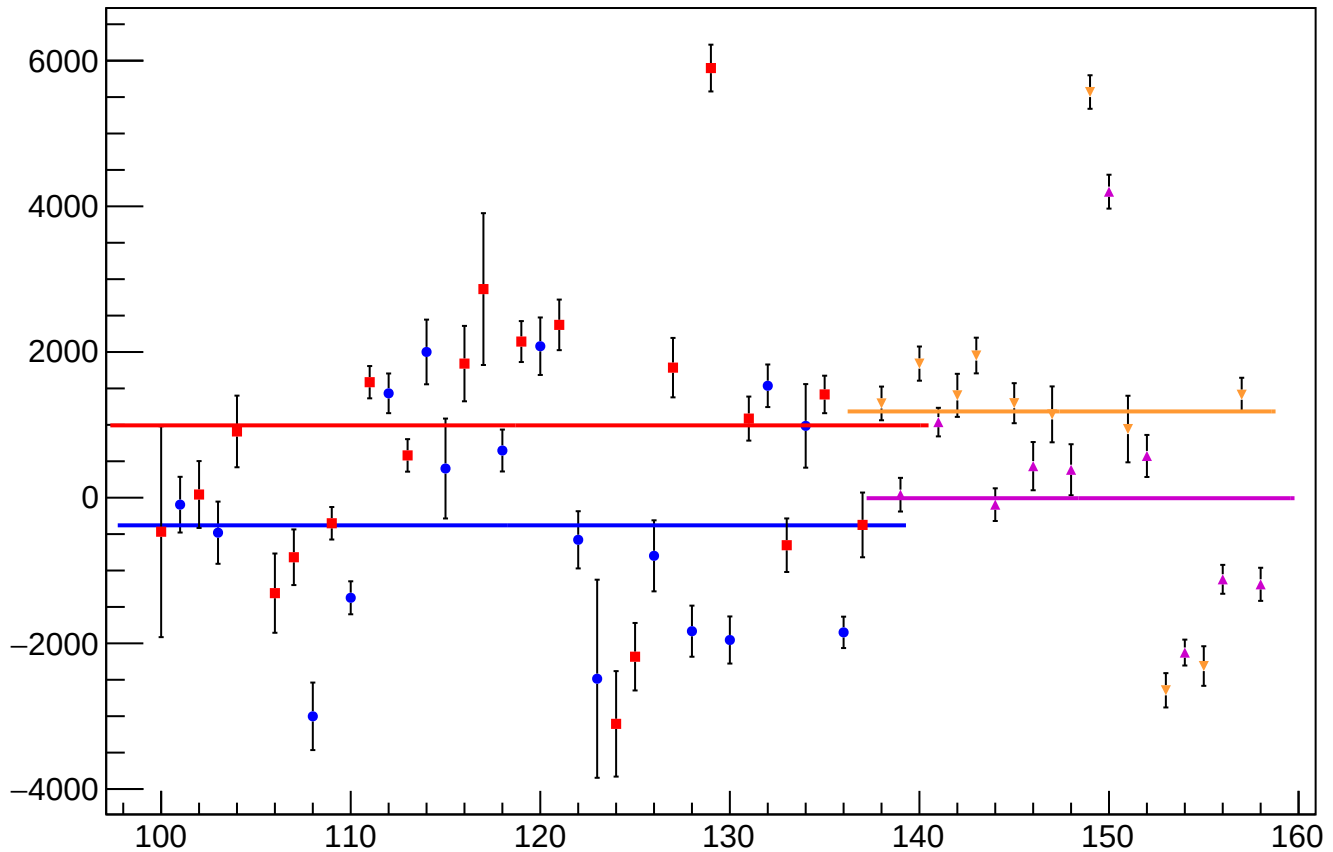
Right Out: 209.794 ± 0.058 χ^2/NDF : 884087.4/19

Left In: 203.878 ± 0.052 χ^2/NDF : 364402.4/9

223.761 ± 0.042 χ^2/NDF : 1066491.3/27

206.527 ± 0.039 χ^2/NDF : 1254235.4/29

asym_bpm0l01WS_mean vs Slug



Right In: -379.647 ± 84.260 χ^2/NDF : 317.2/16

Left Out: 1184.176 ± 79.391 χ^2/NDF : 811.8/10

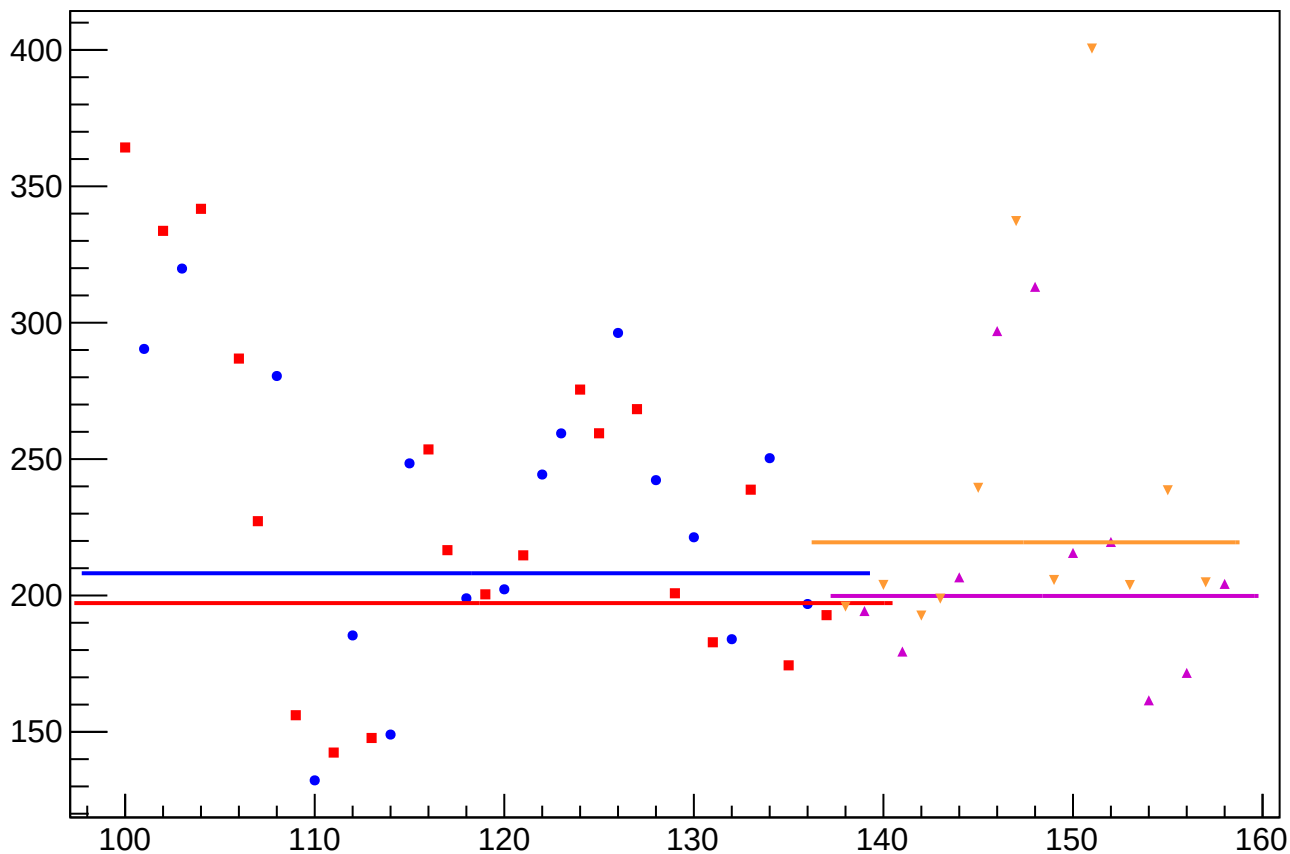
Right Out: 992.944 ± 77.509 χ^2/NDF : 479.5/19

Left In: -7.121 ± 72.798 χ^2/NDF : 563.5/9

448.747 ± 57.782 χ^2/NDF : 1311.4/27

461.597 ± 53.063 χ^2/NDF : 1131.5/29

asym_bpm0l01WS_rms vs Slug



Right In: 208.151+/-0.060 χ^2/NDF : 699084.2/16

Left Out: 219.492+/-0.056 χ^2/NDF : 606845.5/10

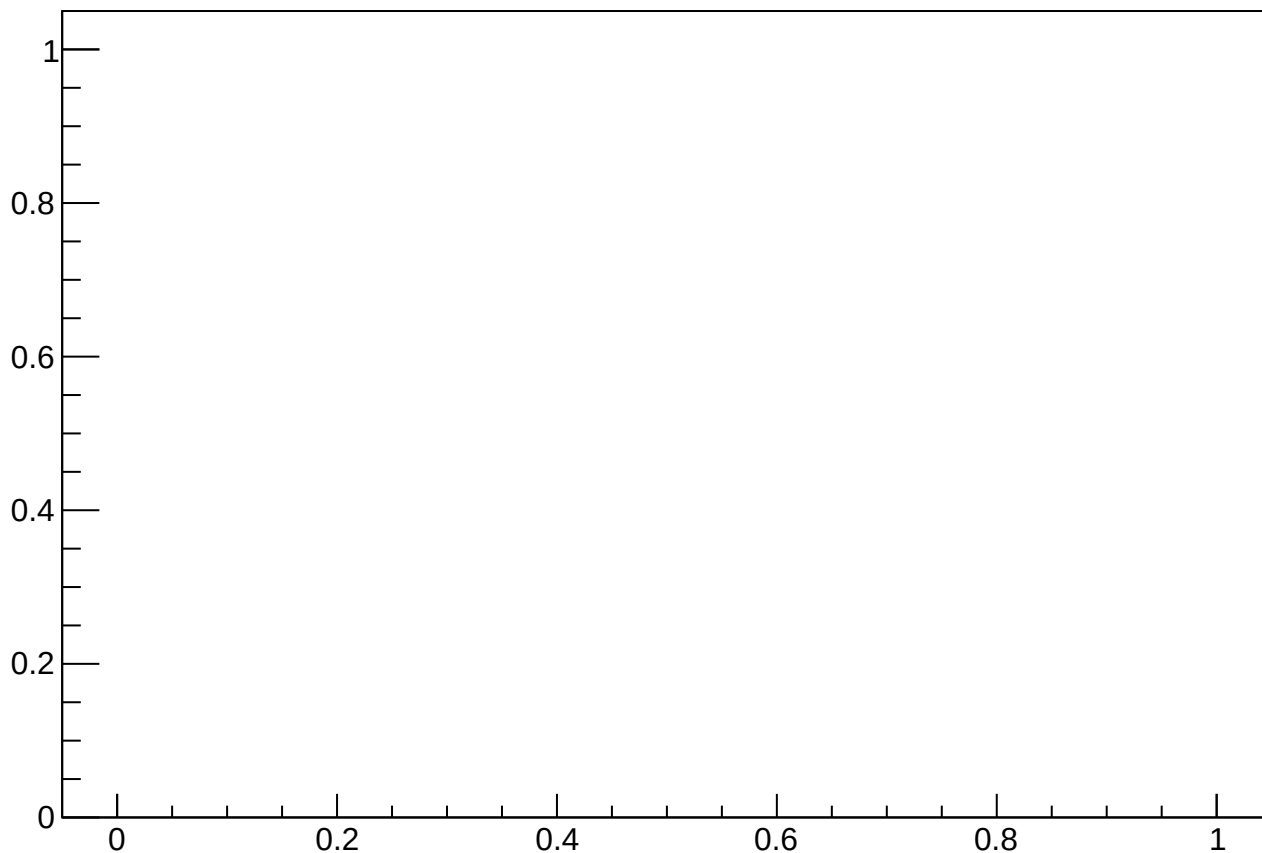
Right Out: 197.210+/-0.055 χ^2/NDF : 927165.0/19

Left In: 199.831+/-0.051 χ^2/NDF : 558175.6/9

214.159+/-0.041 χ^2/NDF : 1325124.9/27

198.603+/-0.038 χ^2/NDF : 1486555.3/29

bcm_an_us_ds_dd_mean vs Slug



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

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

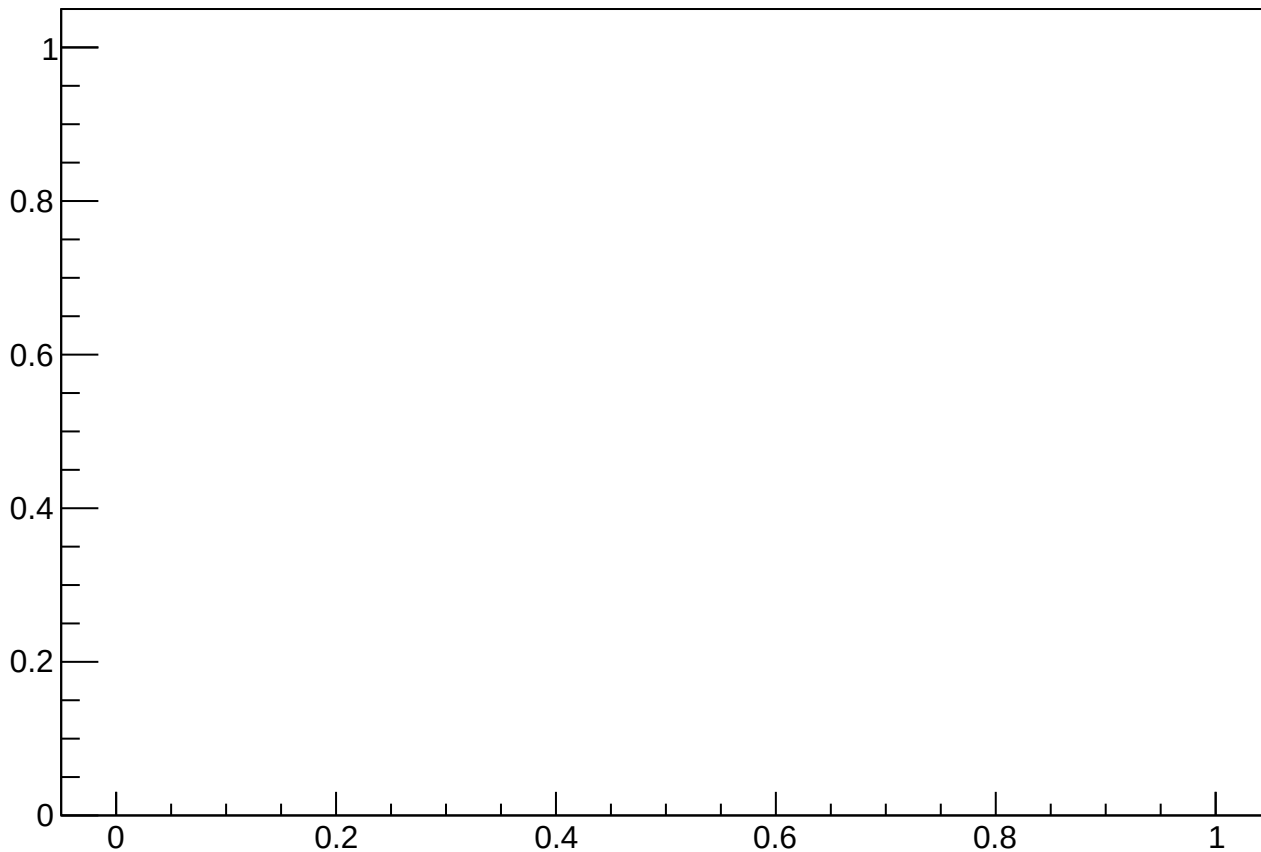
Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

bcm_an_us_ds_dd_rms vs Slug



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

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

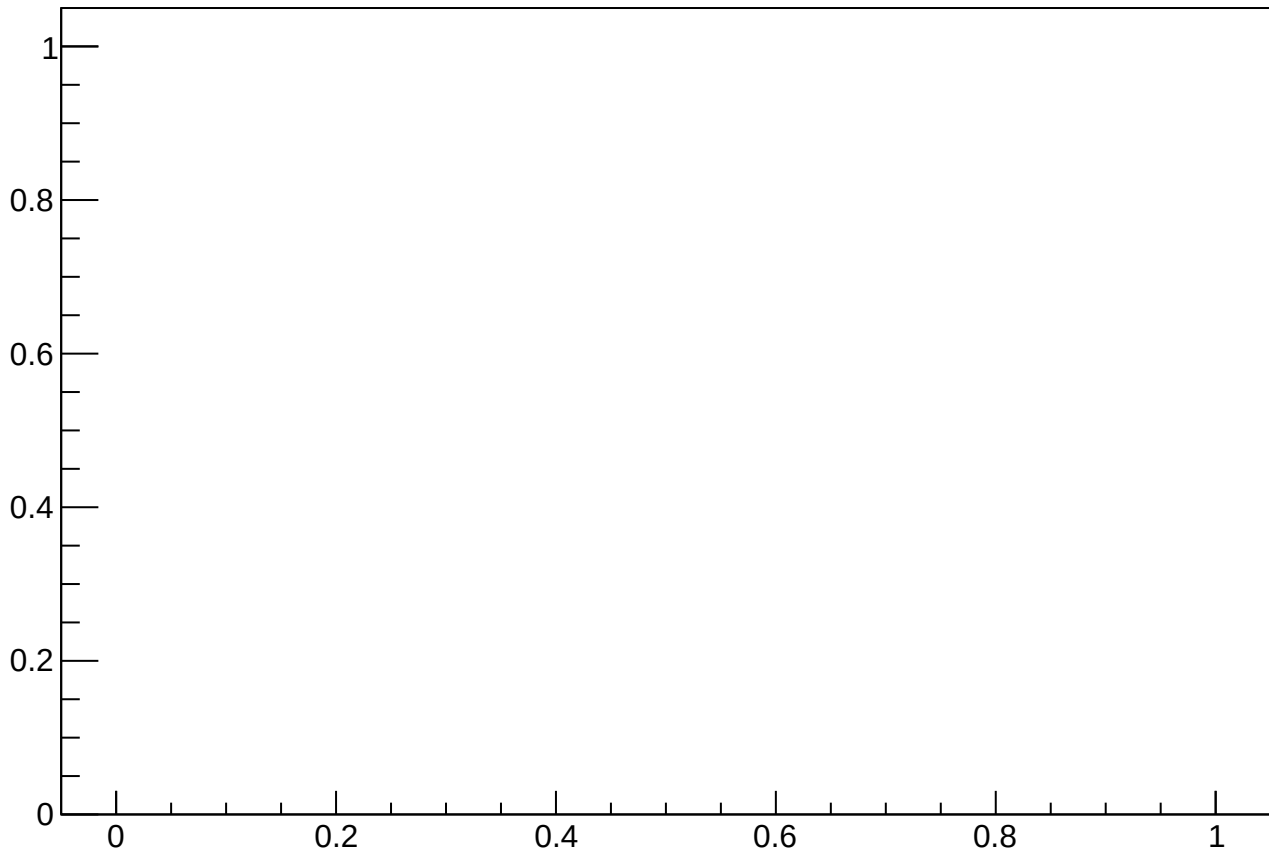
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_dg_ds_dd_mean vs Slug



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

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

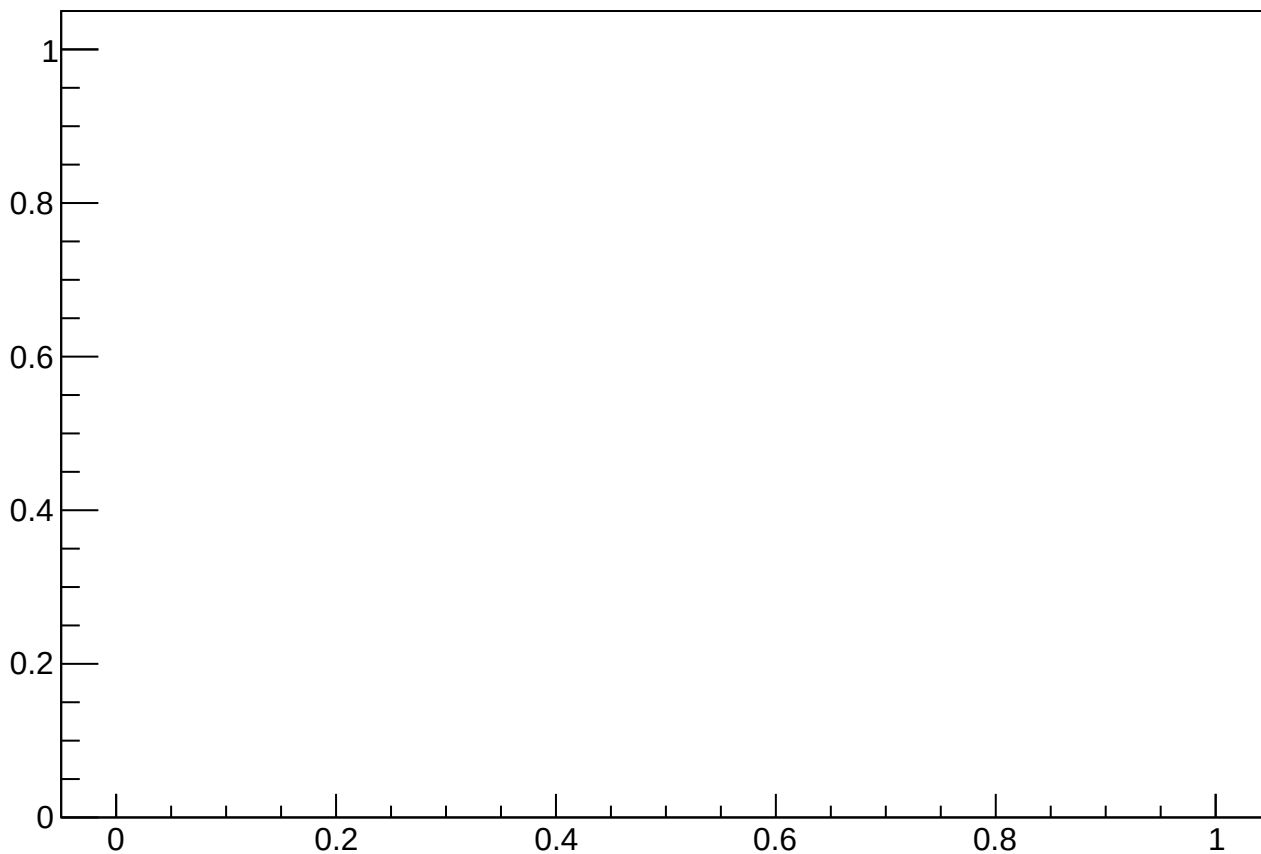
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_dg_ds_dd_rms vs Slug



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

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

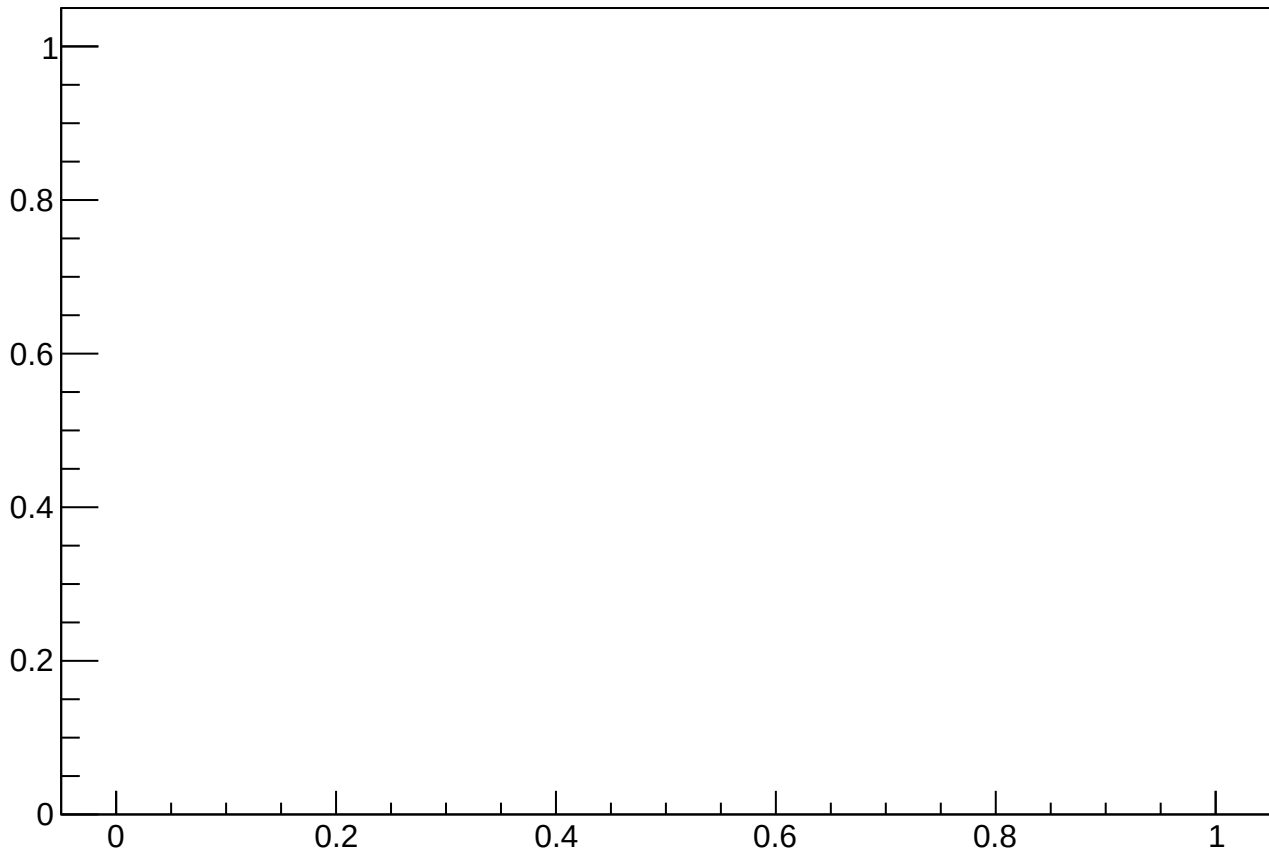
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_dd_mean vs Slug



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

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

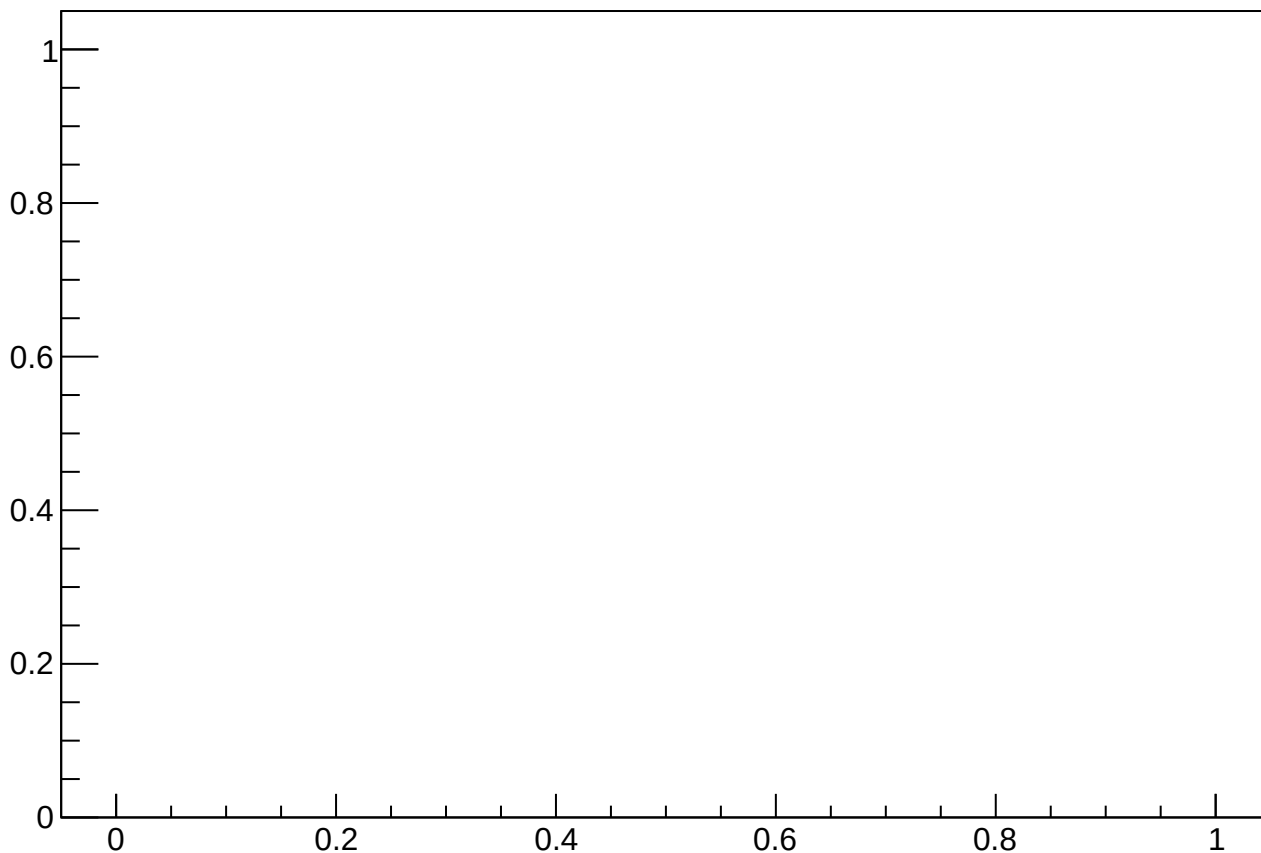
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_dd_rms vs Slug



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

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

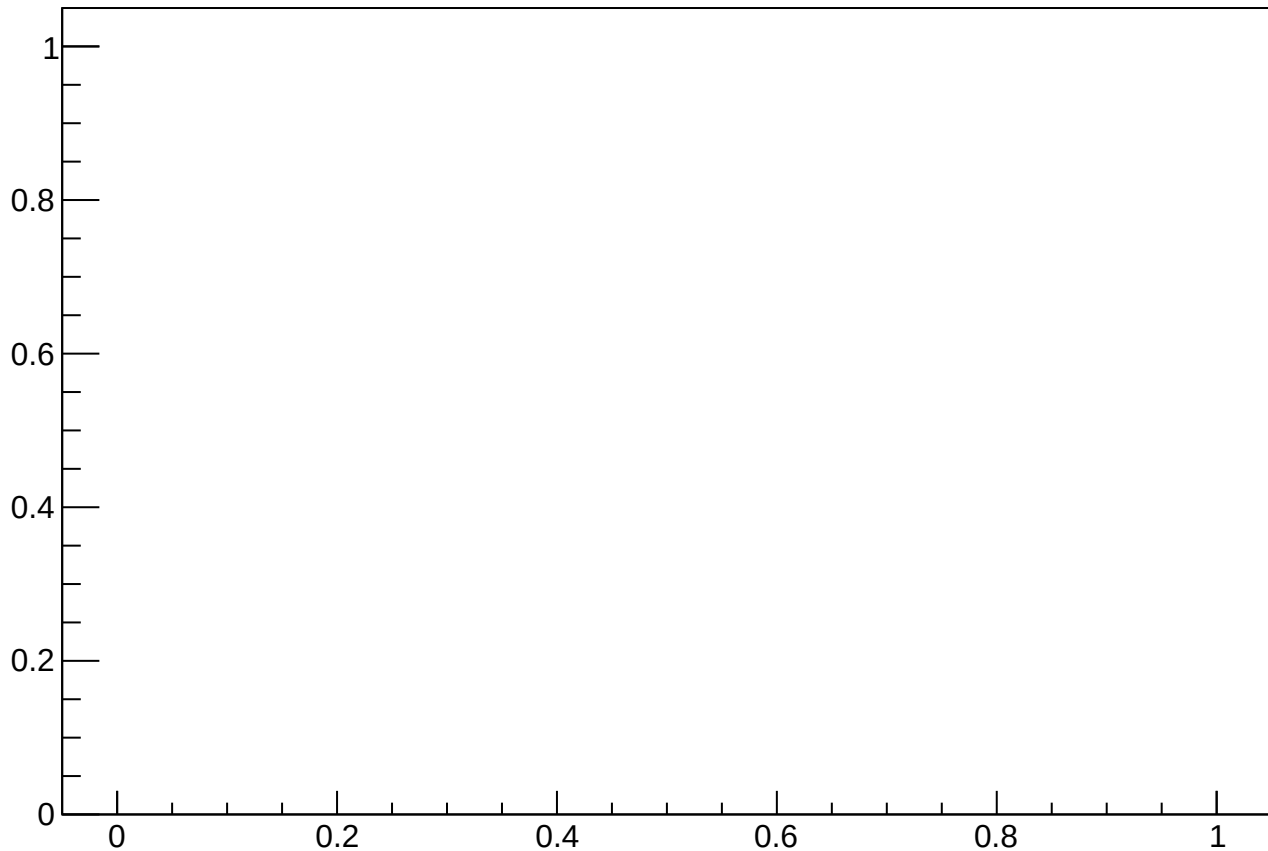
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_ds_ds_dd_mean vs Slug



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

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

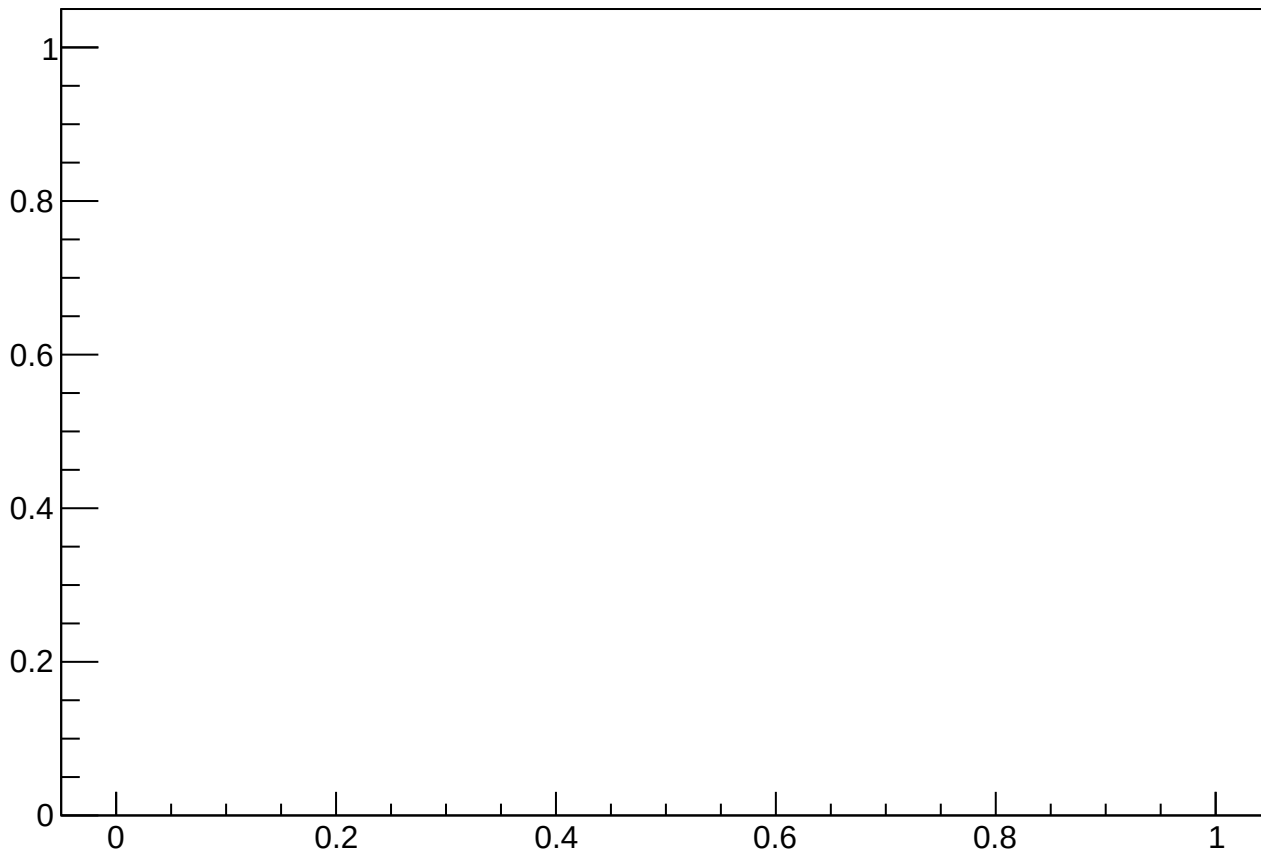
Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

bcm_dg_ds_ds_dd_rms vs Slug



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

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

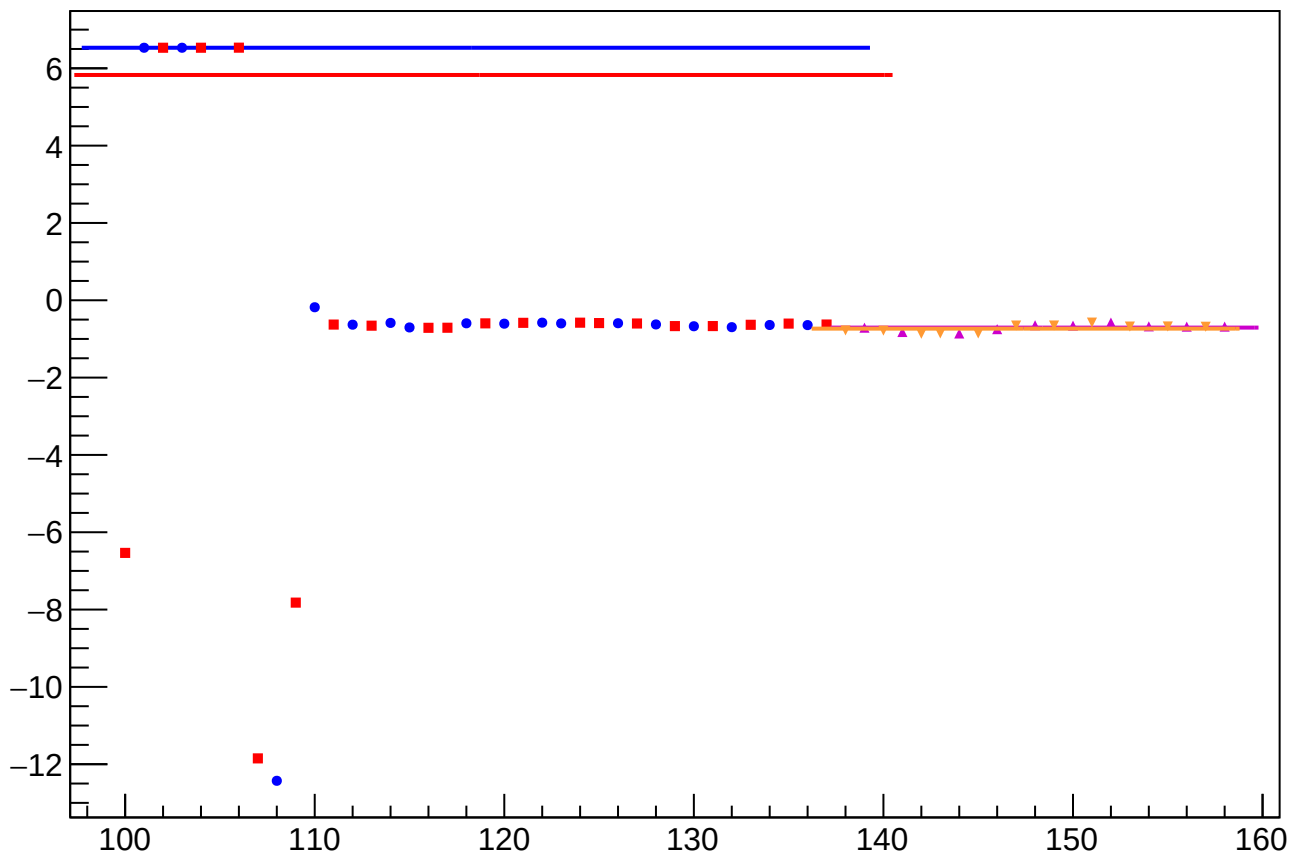
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

yield_cav4bX_mean vs Slug



Right In: 6.532 ± 0.000 χ^2/NDF : 127219747629.7/16

Left Out: -0.734 ± 0.000 χ^2/NDF : 70509351.5/10

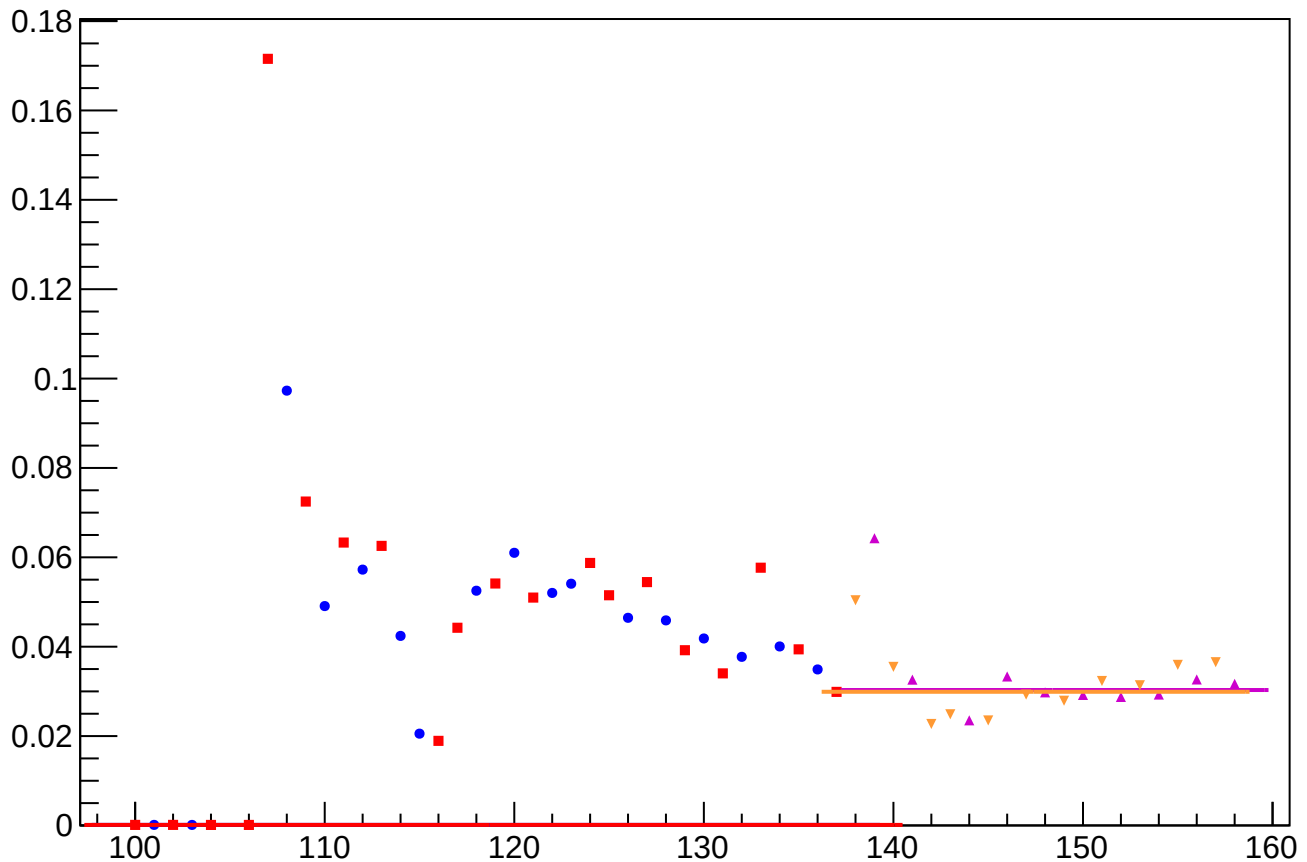
Right Out: 5.827 ± 0.000 χ^2/NDF : 755964092355063.0/19

Left In: -0.707 ± 0.000 χ^2/NDF : 54599844.8/9

6.531 ± 0.000 χ^2/NDF : 497239757728.0/27

5.827 ± 0.000 χ^2/NDF : 756262537090980.1/29

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.030+/-0.000 χ^2/NDF :506710.2/10

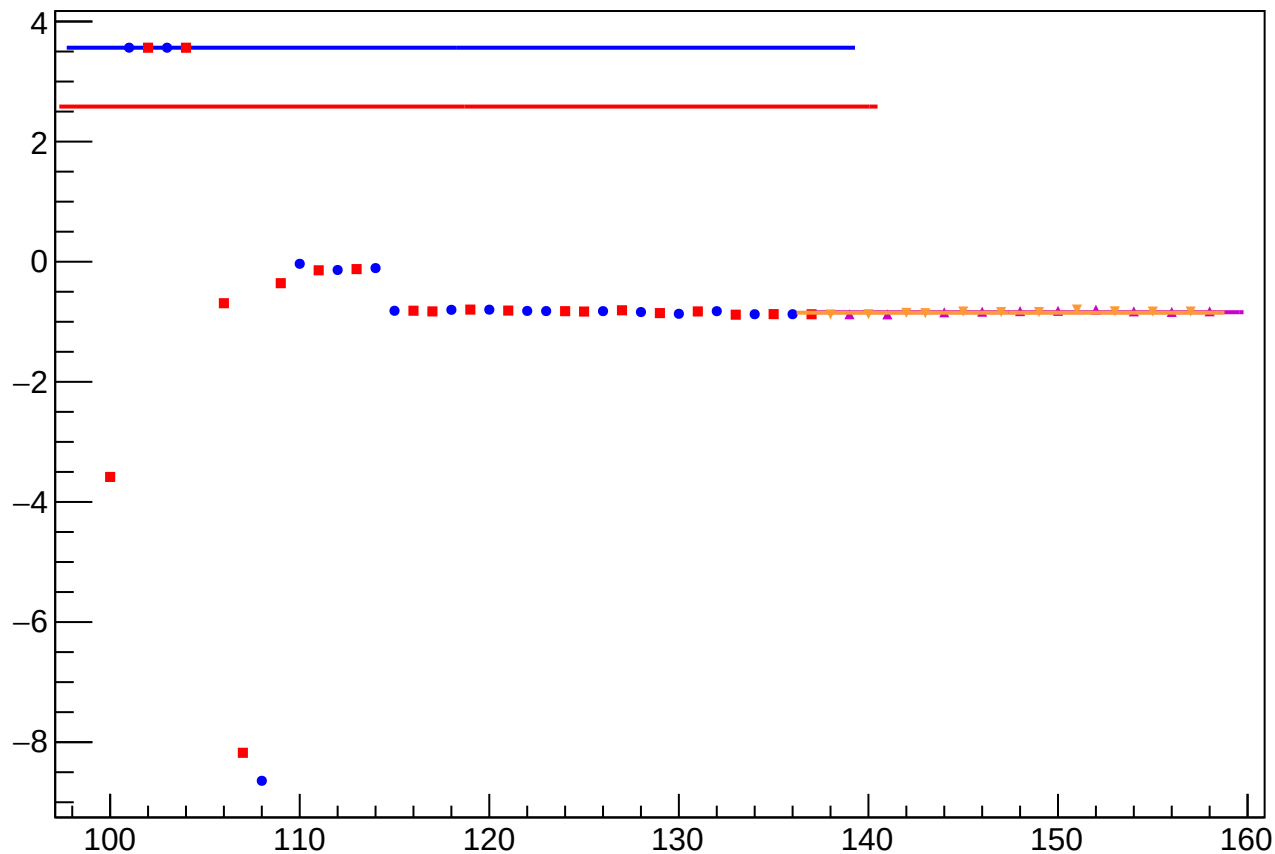
Right Out: 0.000+/-0.000 χ^2/NDF : 9429256.2/19

Left In: 0.030+/-0.000 χ^2/NDF :529087.7/9

0.000+/-0.000 χ^2/NDF : 21832276.2/27

0.000+/-0.000 χ^2/NDF : 22691381.5/29

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.848+/-0.000 χ^2/NDF : 36069700.0/10

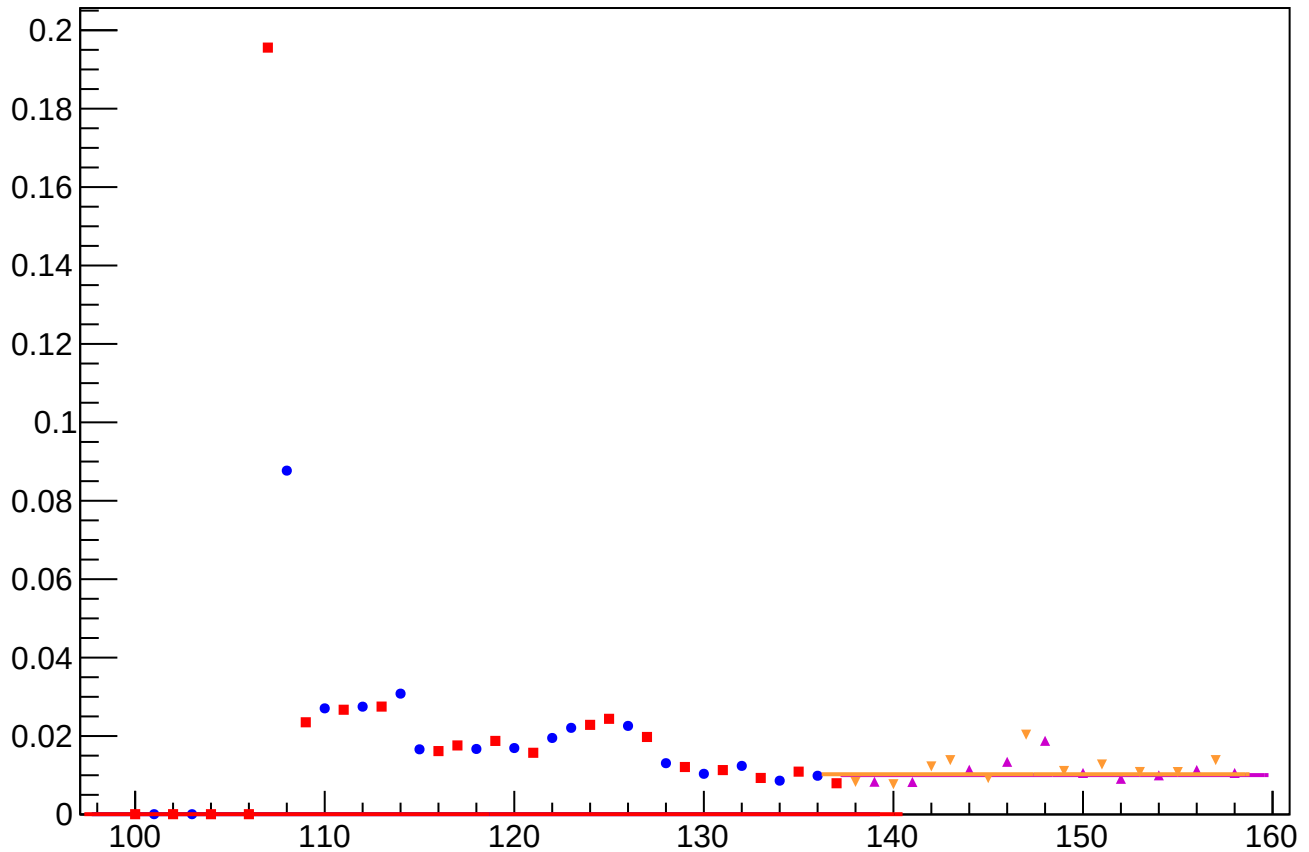
Right Out: 2.583+/-0.000 χ^2/NDF : 1253503502448656.2/19

Left In: -0.841+/-0.000 χ^2/NDF : 48568772.0/9

3.562+/-0.000 χ^2/NDF : 1598859668689.2/27

2.583+/-0.000 χ^2/NDF : 1254226995580310.0/27

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 : 803757.0/10

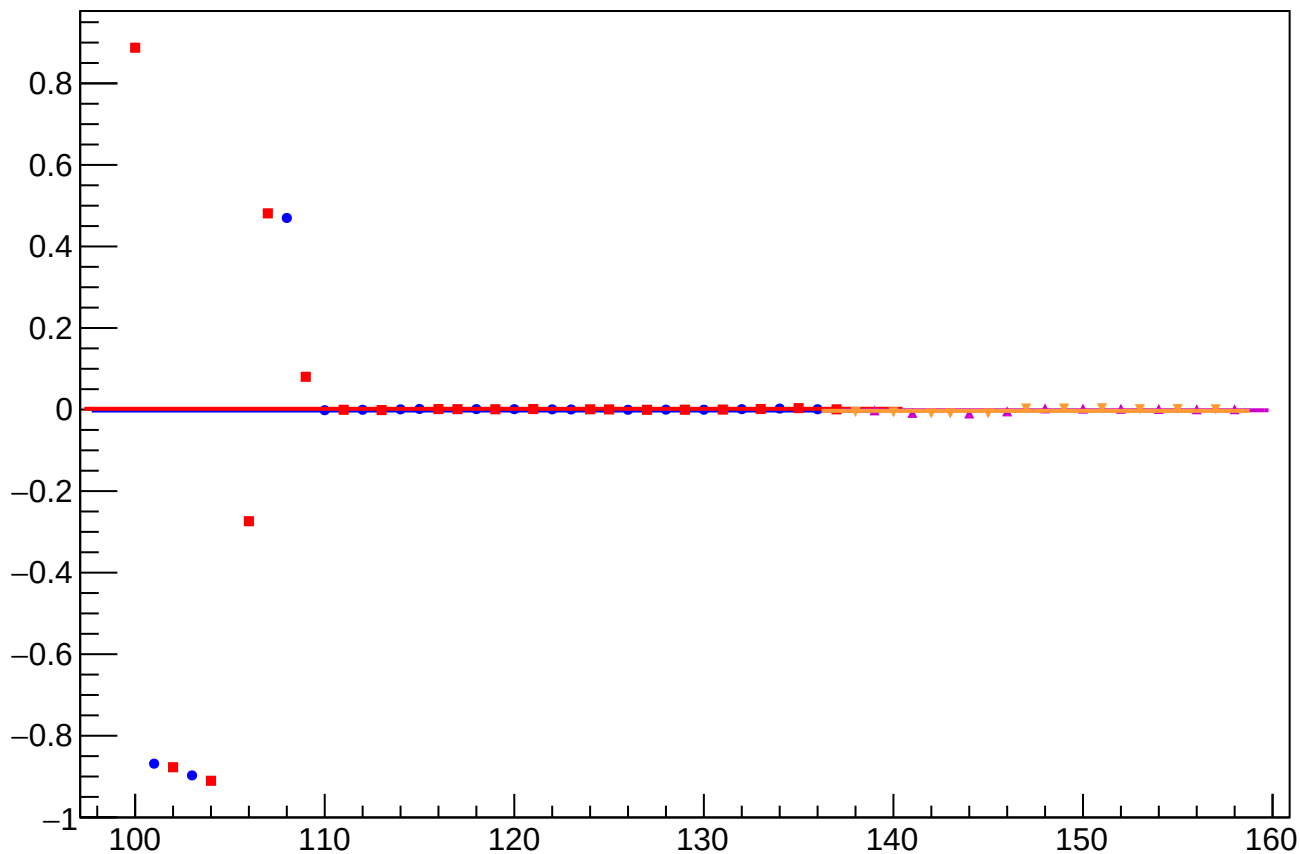
Right Out: 0.000+/-0.000 χ^2/NDF : 9937459.6/19

Left In: 0.010+/-0.000 χ^2/NDF : 553980.4/9

0.000+/-0.000 χ^2/NDF : 22445979.1/27

0.000+/-0.000 χ^2/NDF : 22755618.2/29

yield_cav4cX_mean vs Slug



Right In: -0.002+/-0.000 χ^2/NDF : 9794863405.3/16

Left Out: -0.003+/-0.000 χ^2/NDF : 75136845.3/10

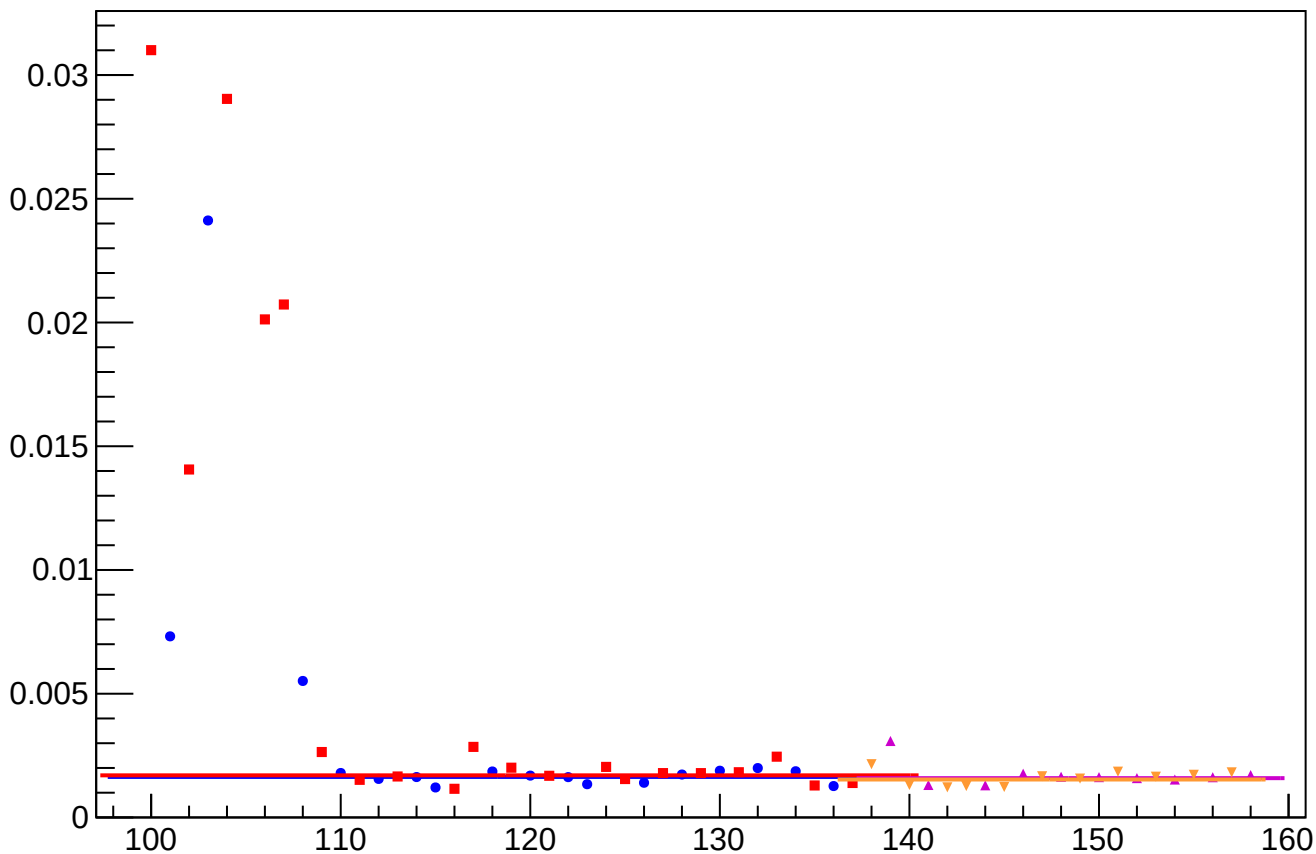
Right Out: 0.002+/-0.000 χ^2/NDF : 3041323813.4/19

Left In: -0.002+/-0.000 χ^2/NDF : 57299325.7/9

-0.003+/-0.000 χ^2/NDF : 9870656677.2/27

-0.000+/-0.000 χ^2/NDF : 3111262067.6/29

yield_cav4cX_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1916349.1/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:376180.2/10

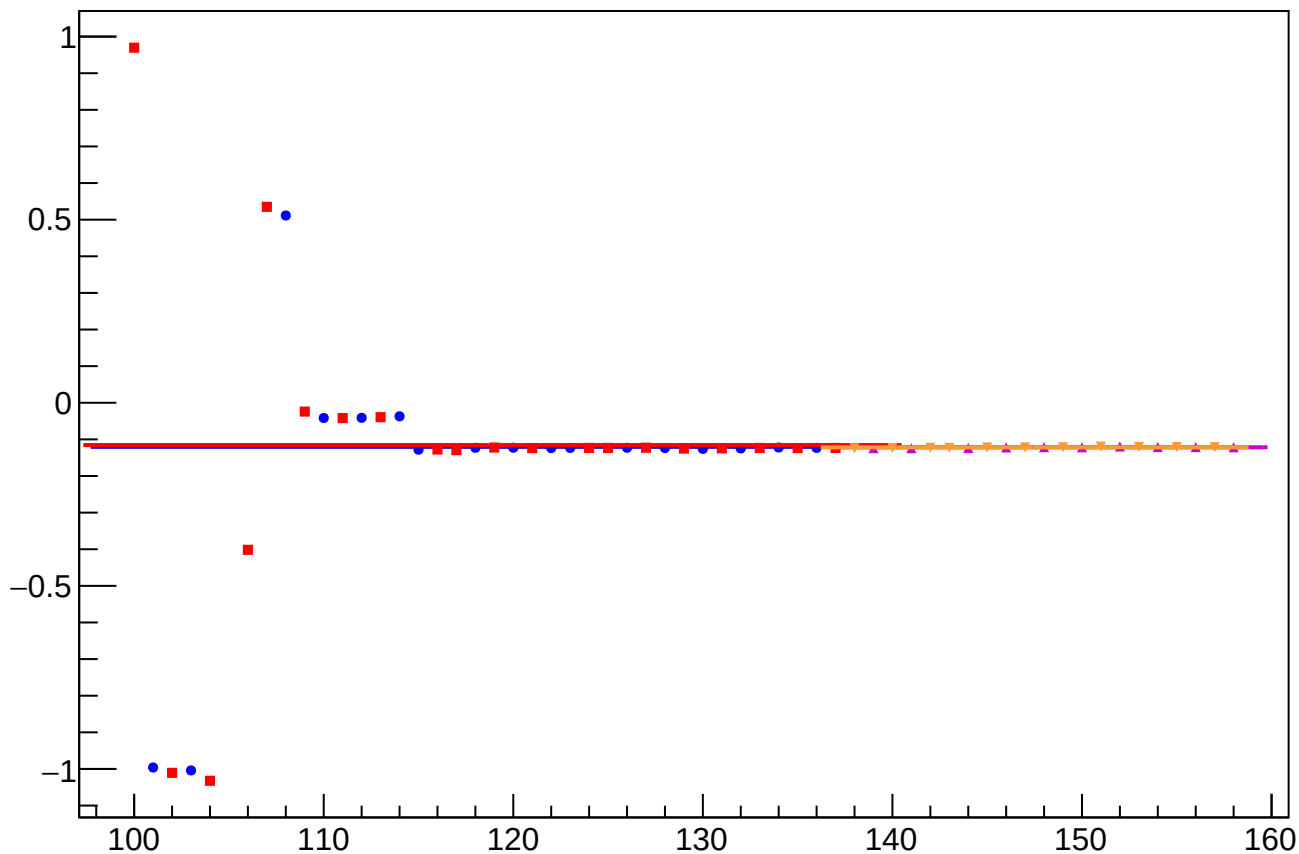
Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3037006.7/19

Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:478819.5/9

0.002 $\pm$ 0.000 χ^2 /NDF: 2314728.9/27

0.002 $\pm$ 0.000 χ^2 /NDF: 3540670.7/29

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 : 9629461.4/10

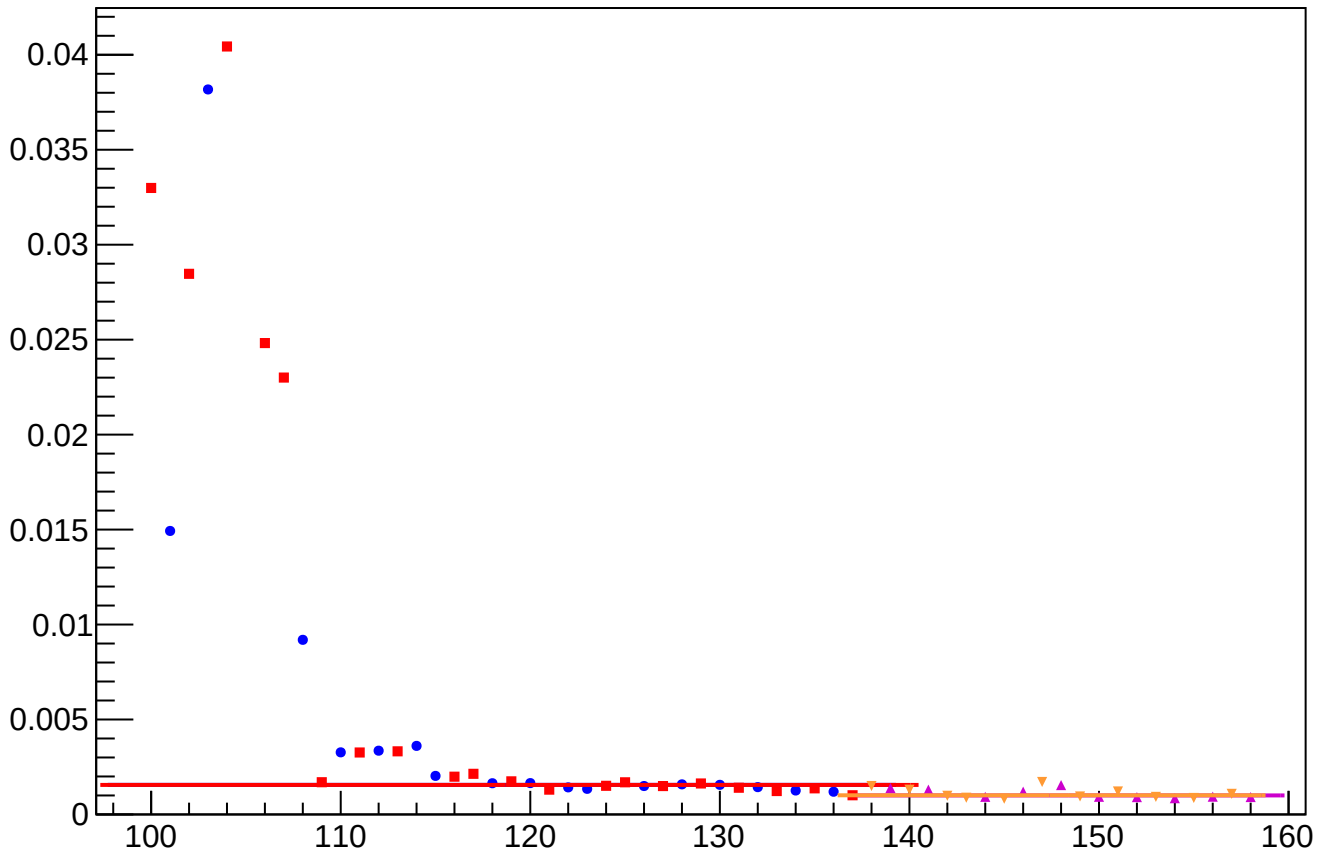
-0.122+/-0.000 χ^2/NDF : 3945205958.2/27

Right Out: -0.115+/-0.000 χ^2/NDF : 2458475073.1/19

-0.120+/-0.000 χ^2/NDF : 2527821704.6/29

Left In: -0.122+/-0.000 χ^2/NDF : 12861512.3/9

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 2901093.3/16

Left Out: 0.001+/-0.000 χ^2/NDF : 662520.4/10

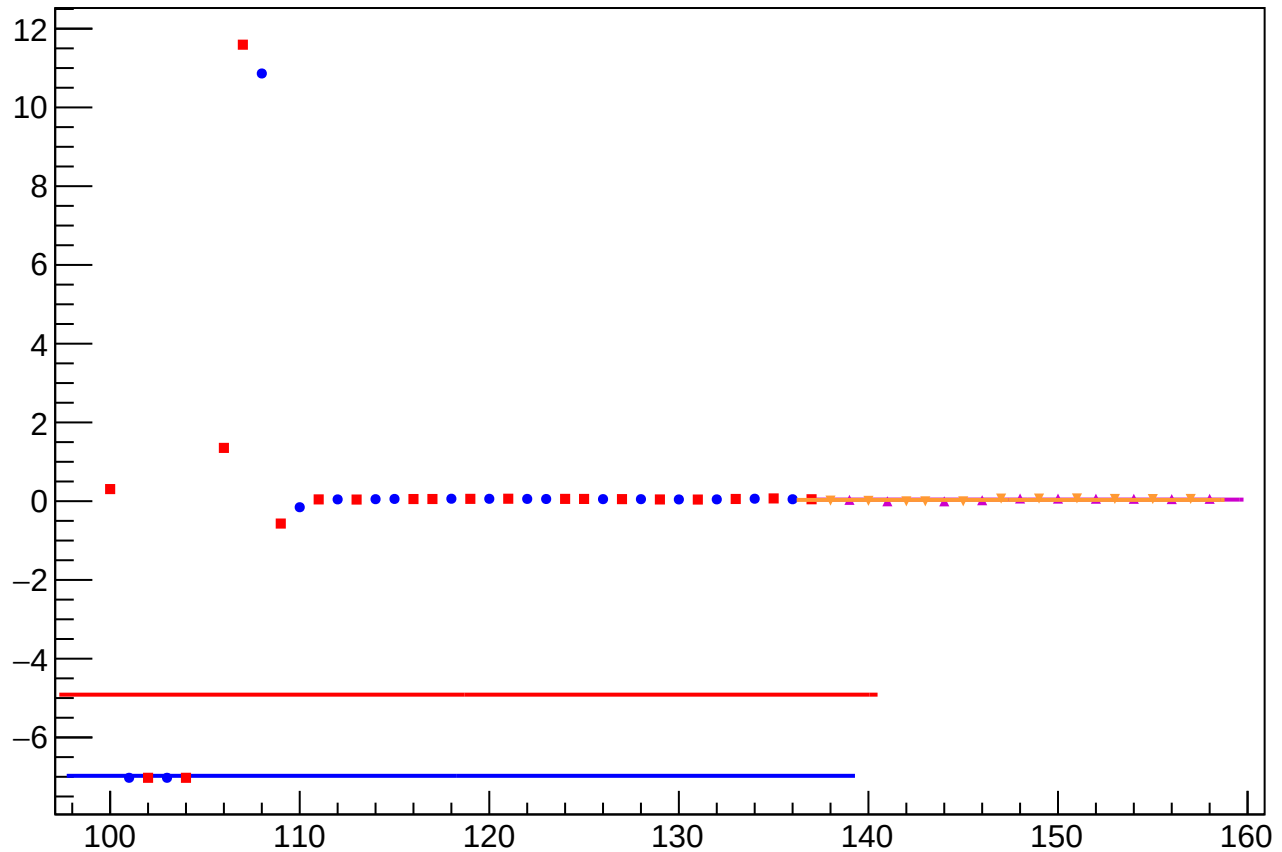
0.001+/-0.000 χ^2/NDF : 4458052.8/27

Right Out: 0.002+/-0.000 χ^2/NDF : 3545212.9/19

0.001+/-0.000 χ^2/NDF : 4985179.1/29

Left In: 0.001+/-0.000 χ^2/NDF : 514529.4/9

yield_cav4dX_mean vs Slug



Right In: -6.975+/-0.000 χ^2/NDF : 8749579700722.8/16

Left Out: 0.032+/-0.000 χ^2/NDF : 74584545.0/10

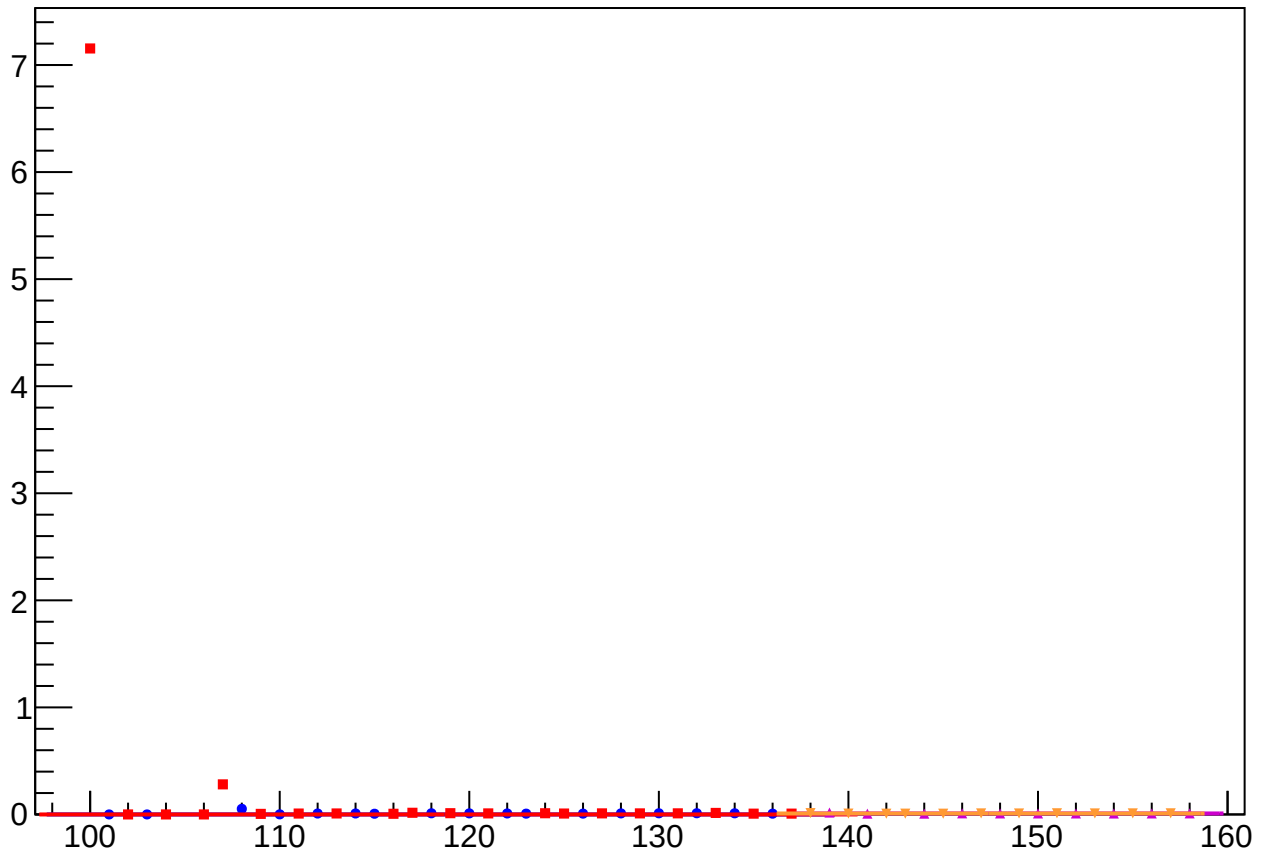
Right Out: -4.914+/-0.000 χ^2/NDF : 365362121338855.3/19

Left In: 0.040+/-0.000 χ^2/NDF : 62747384.3/9

-6.954+/-0.000 χ^2/NDF : 12493228396944.5/27

-4.900+/-0.000 χ^2/NDF : 367183041006572.2/2

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 : 374947.8/10

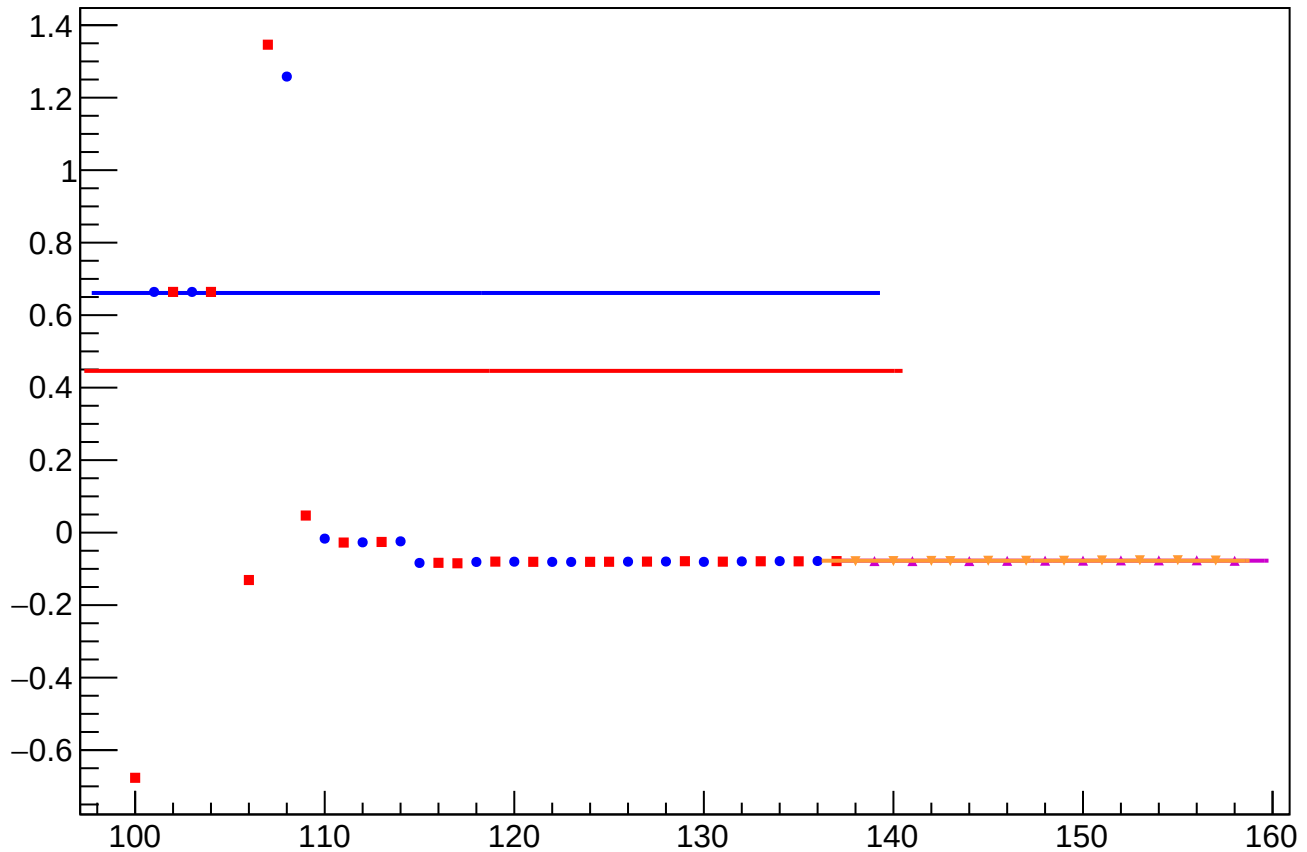
Right Out: 0.000+/-0.000 χ^2/NDF : 8854773.0/19

Left In: 0.009+/-0.000 χ^2/NDF : 480185.9/9

0.000+/-0.000 χ^2/NDF : 20568733.2/27

0.000+/-0.000 χ^2/NDF : 21672753.2/29

yield_cav4dY_mean vs Slug



Right In: 0.661 $\pm$ 0.000 χ^2 /NDF: 5607525081216.0/16

Left Out: -0.078 $\pm$ 0.000 χ^2 /NDF: 19007144.8/10

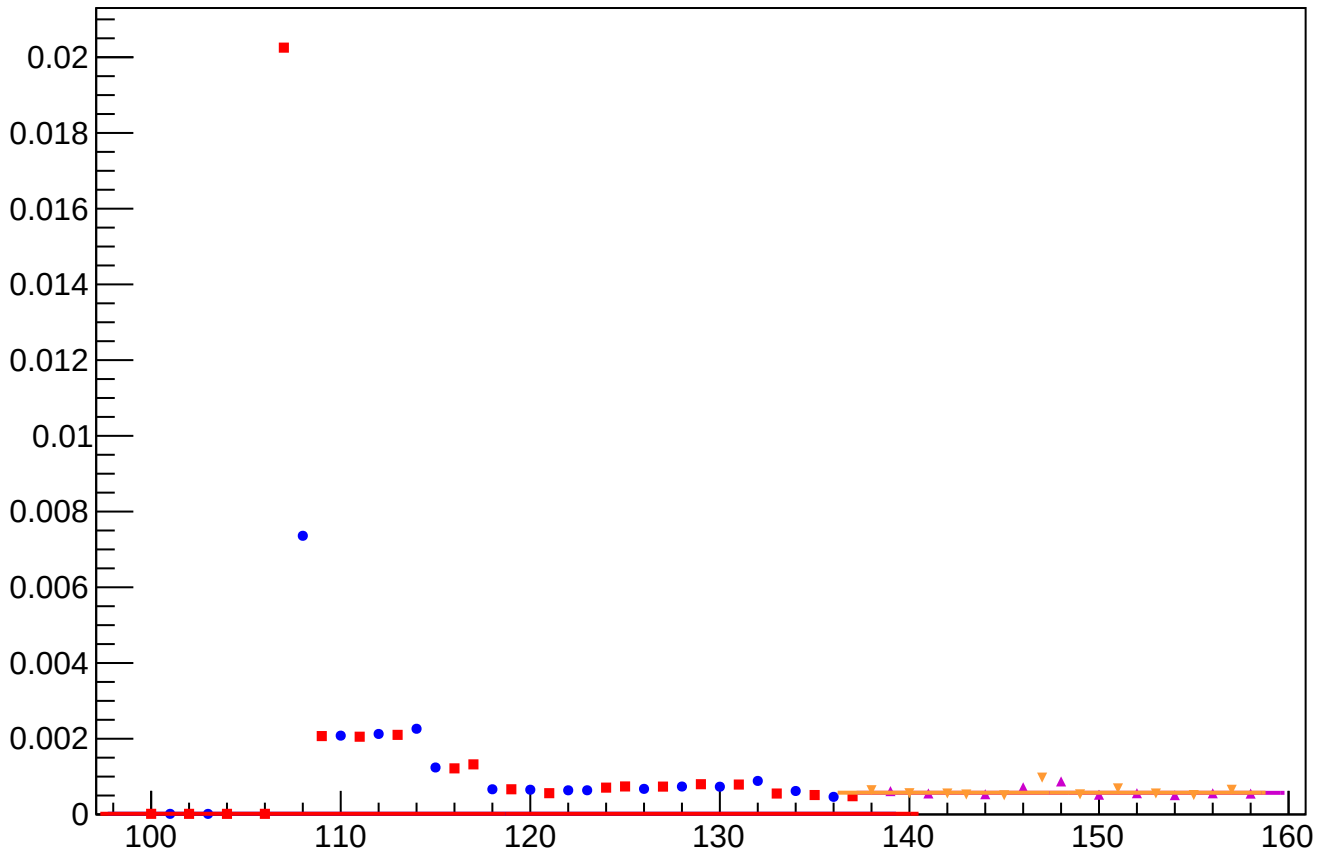
0.655 $\pm$ 0.000 χ^2 /NDF: 17967924593918.1/27

Right Out: 0.446 $\pm$ 0.000 χ^2 /NDF: 405423069582977.9/19

0.442 $\pm$ 0.000 χ^2 /NDF: 411896267846177.3/29

Left In: -0.077 $\pm$ 0.000 χ^2 /NDF: 15015038.5/9

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 : 400543.5/10

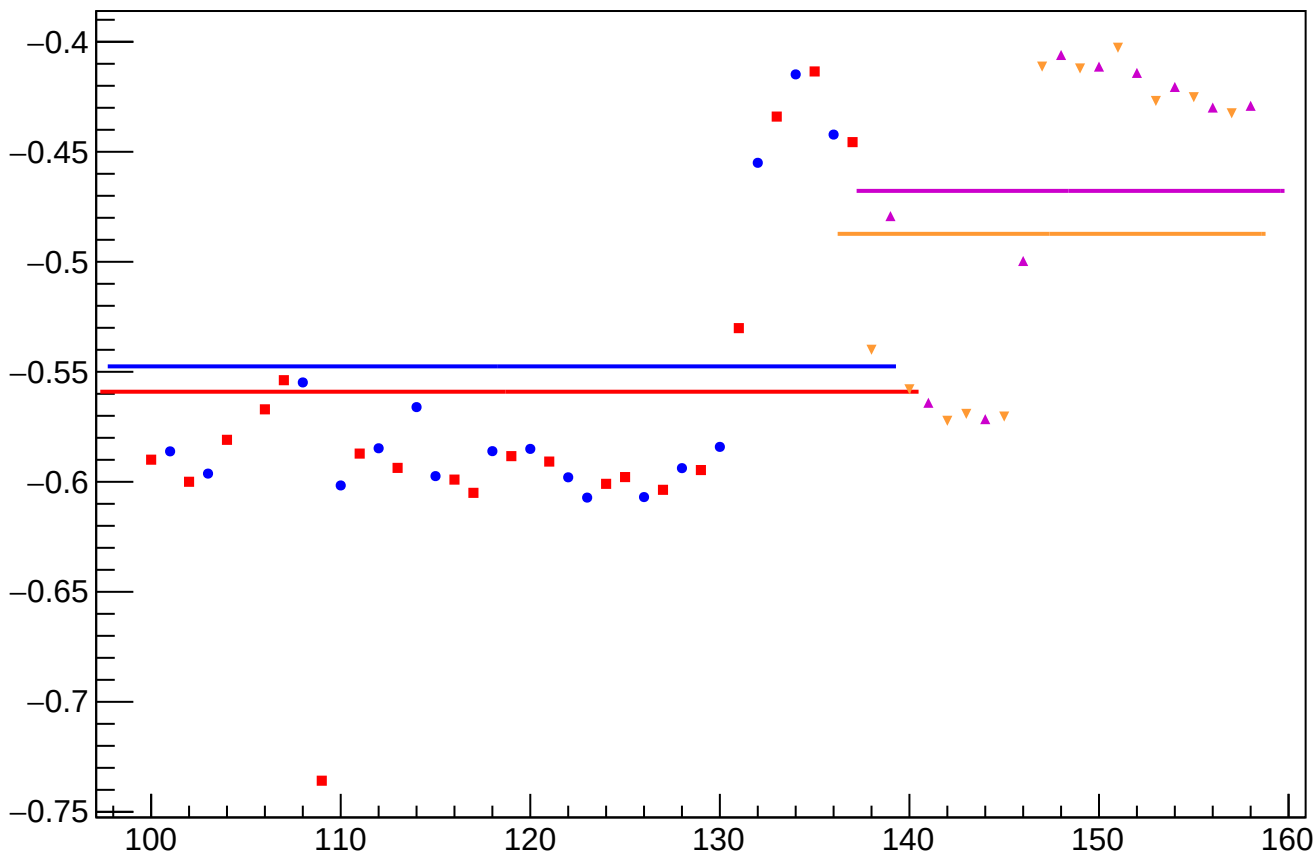
0.000+/-0.000 χ^2/NDF : 24316694.5/27

Right Out: 0.000+/-0.000 χ^2/NDF : 9555089.8/19

0.000+/-0.000 χ^2/NDF : 24277244.2/29

Left In: 0.001+/-0.000 χ^2/NDF : 303830.7/9

yield_bpm4aX_mean vs Slug



Right In: -0.548+/-0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.487+/-0.000 χ^2/NDF : 84229461.1/10

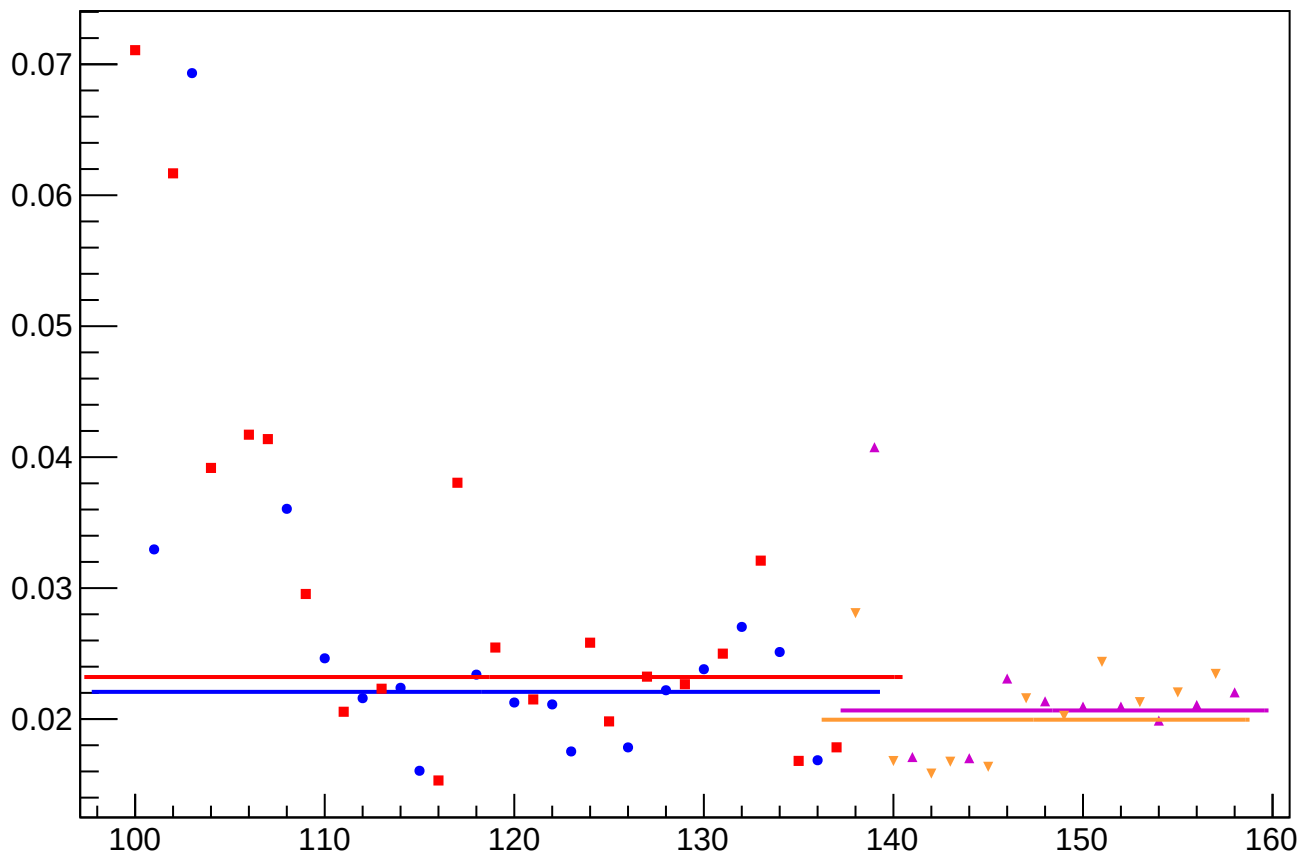
Right Out: -0.559+/-0.000 χ^2/NDF : 65389755.0/19

Left In: -0.468+/-0.000 χ^2/NDF : 66043786.8/9

-0.511+/-0.000 χ^2/NDF : 155357687.7/27

-0.504+/-0.000 χ^2/NDF : 181287851.2/29

yield_bpm4aX_rms vs Slug



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 954779.5/16

Left Out: 0.020 $\pm$ 0.000 χ^2 /NDF:359397.9/10

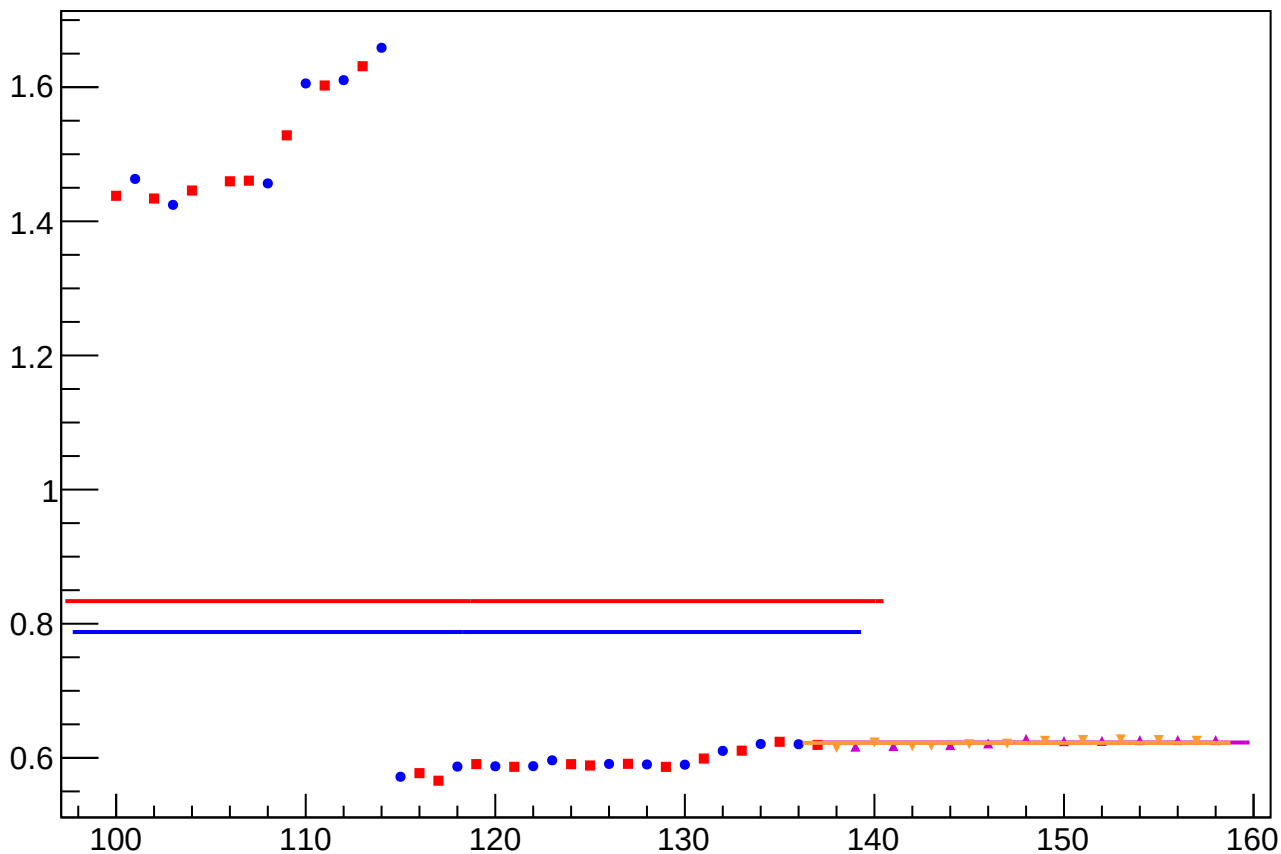
Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1169013.8/19

Left In: 0.021 $\pm$ 0.000 χ^2 /NDF:482439.6/9

0.021 $\pm$ 0.000 χ^2 /NDF: 1370457.9/27

0.022 $\pm$ 0.000 χ^2 /NDF: 1729427.8/29

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 : 813433.3/10

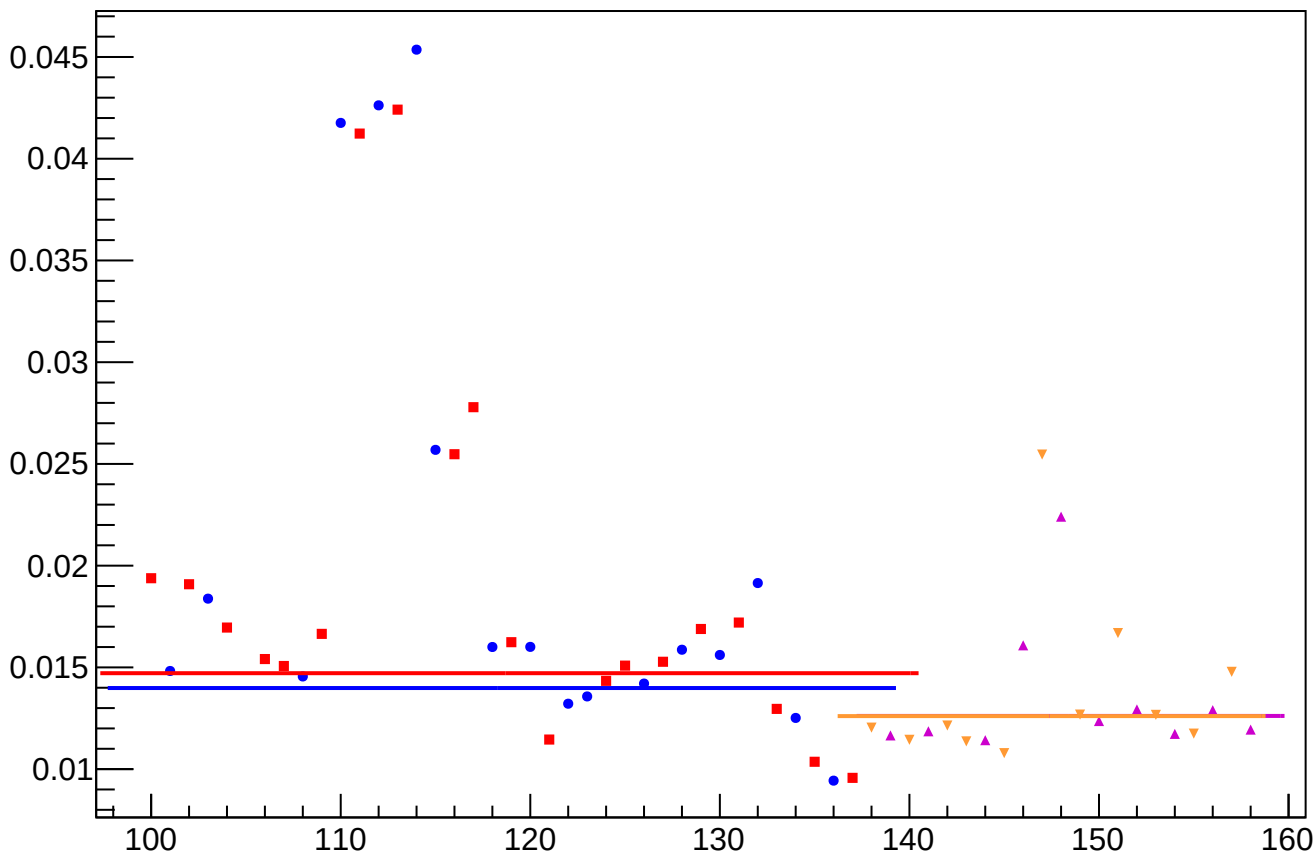
Right Out: 0.834 $\pm$ 0.000 χ^2/NDF : 4155673215.9/19

Left In: 0.623 $\pm$ 0.000 χ^2/NDF : 761895.1/9

0.685 $\pm$ 0.000 χ^2/NDF : 4070377607.6/27

0.700 $\pm$ 0.000 χ^2/NDF : 4943367727.9/29

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 1398505.7/16

Left Out: 0.013+/-0.000 χ^2/NDF : 582543.4/10

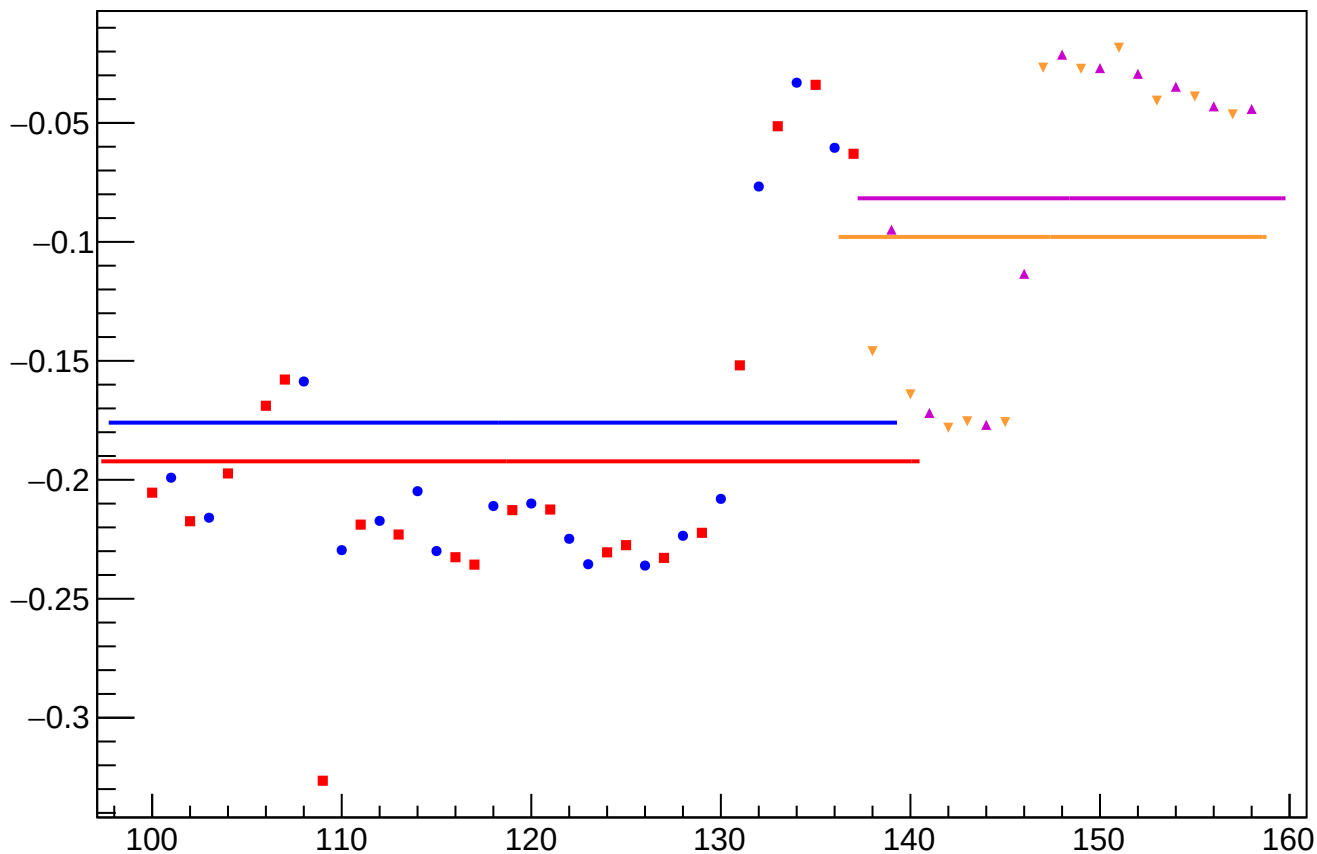
0.013+/-0.000 χ^2/NDF : 2049120.5/27

Right Out: 0.015+/-0.000 χ^2/NDF : 1275472.3/19

0.013+/-0.000 χ^2/NDF : 1840874.8/29

Left In: 0.013+/-0.000 χ^2/NDF : 409115.7/9

yield_bpm4eX_mean vs Slug



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.098+/-0.000 χ^2/NDF : 81697352.0/10

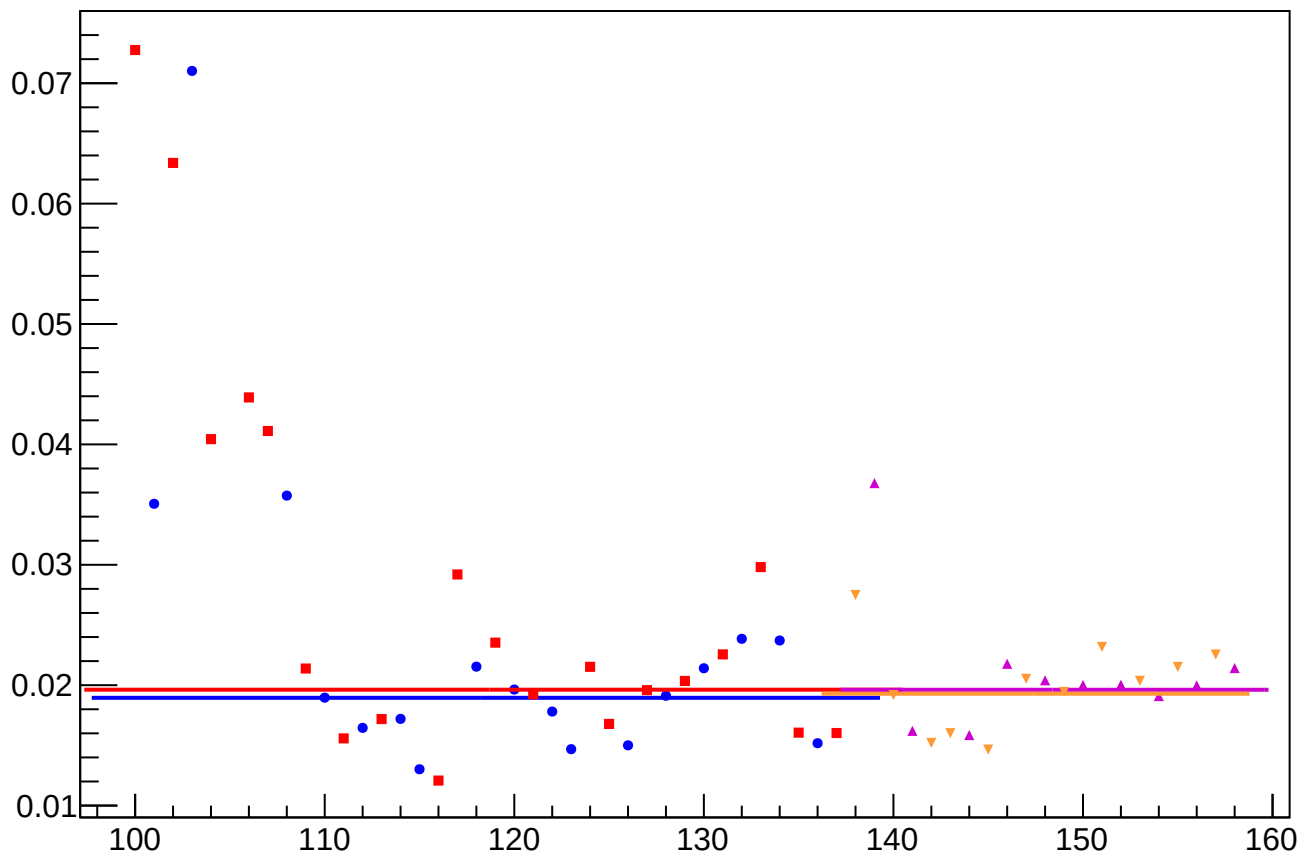
Right Out: -0.192+/-0.000 χ^2/NDF : 83343025.0/19

Left In: -0.082+/-0.000 χ^2/NDF : 67070396.5/9

-0.133+/-0.000 χ^2/NDF : 198095599.8/27

-0.131+/-0.000 χ^2/NDF : 242046380.2/29

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 : 387743.7/10

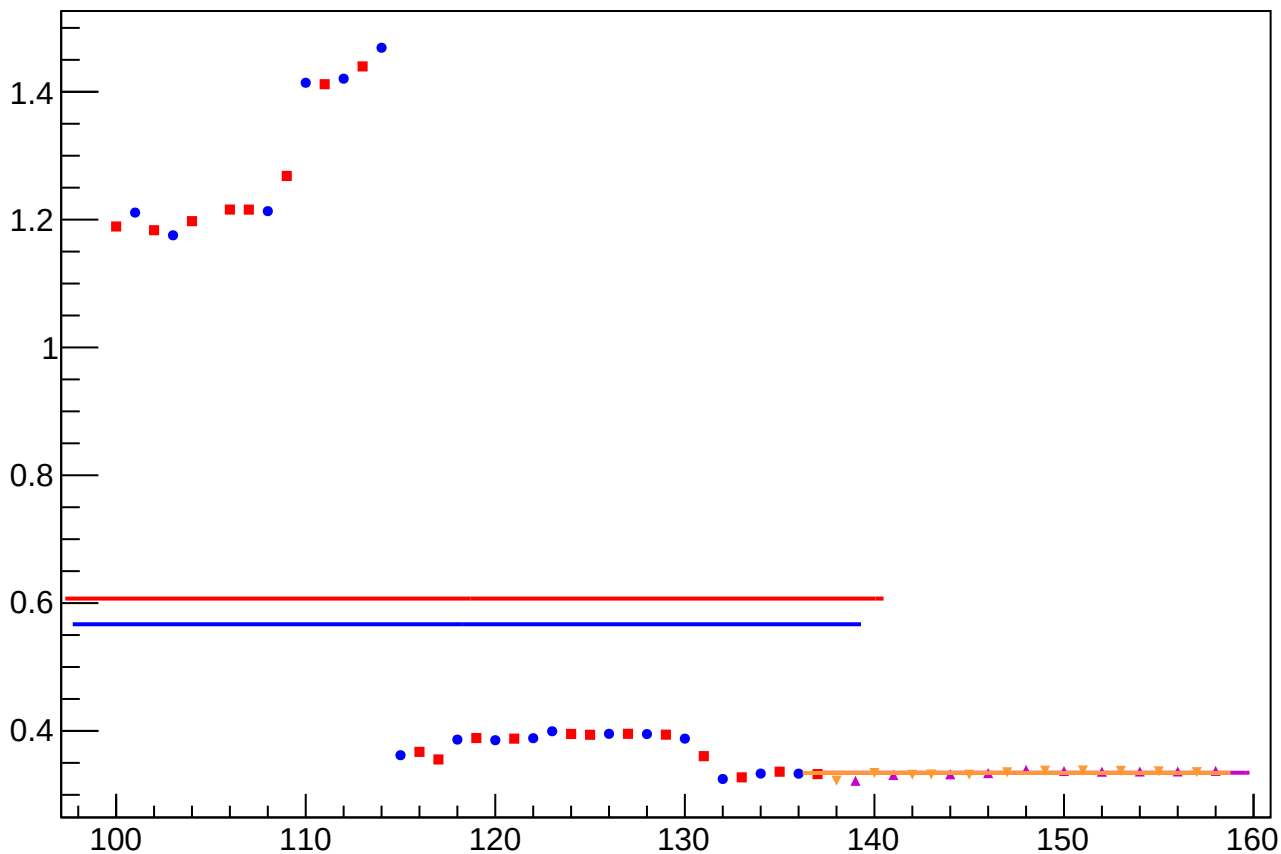
Right Out: 0.020+/-0.000 χ^2/NDF : 1463983.0/19

Left In: 0.020+/-0.000 χ^2/NDF : 464196.7/9

0.019+/-0.000 χ^2/NDF : 1592756.0/27

0.020+/-0.000 χ^2/NDF : 1928180.2/29

yield_bpm4eY_mean vs Slug



Right In: 0.567 $\pm$ 0.000 χ^2 /NDF: 5016913731.3/16

Left Out: 0.334 $\pm$ 0.000 χ^2 /NDF:968504.1/10

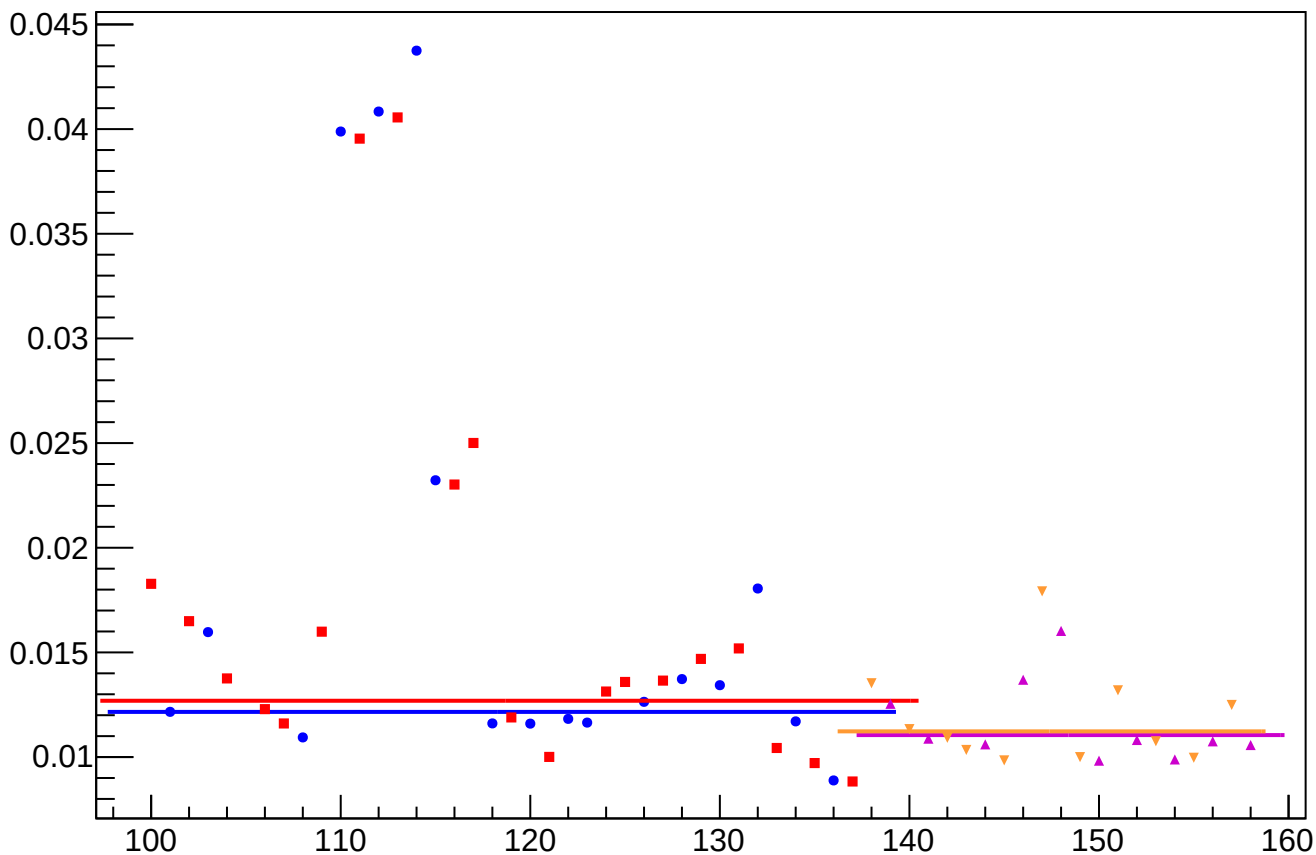
Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5509130775.3/19

Left In: 0.335 $\pm$ 0.000 χ^2 /NDF:1107554.0/9

0.424 $\pm$ 0.000 χ^2 /NDF: 6275758597.8/27

0.434 $\pm$ 0.000 χ^2 /NDF: 7239082361.7/29

yield_bpm4eY_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 1307948.2/16

Left Out: 0.011+/-0.000 χ^2/NDF : 387317.0/10

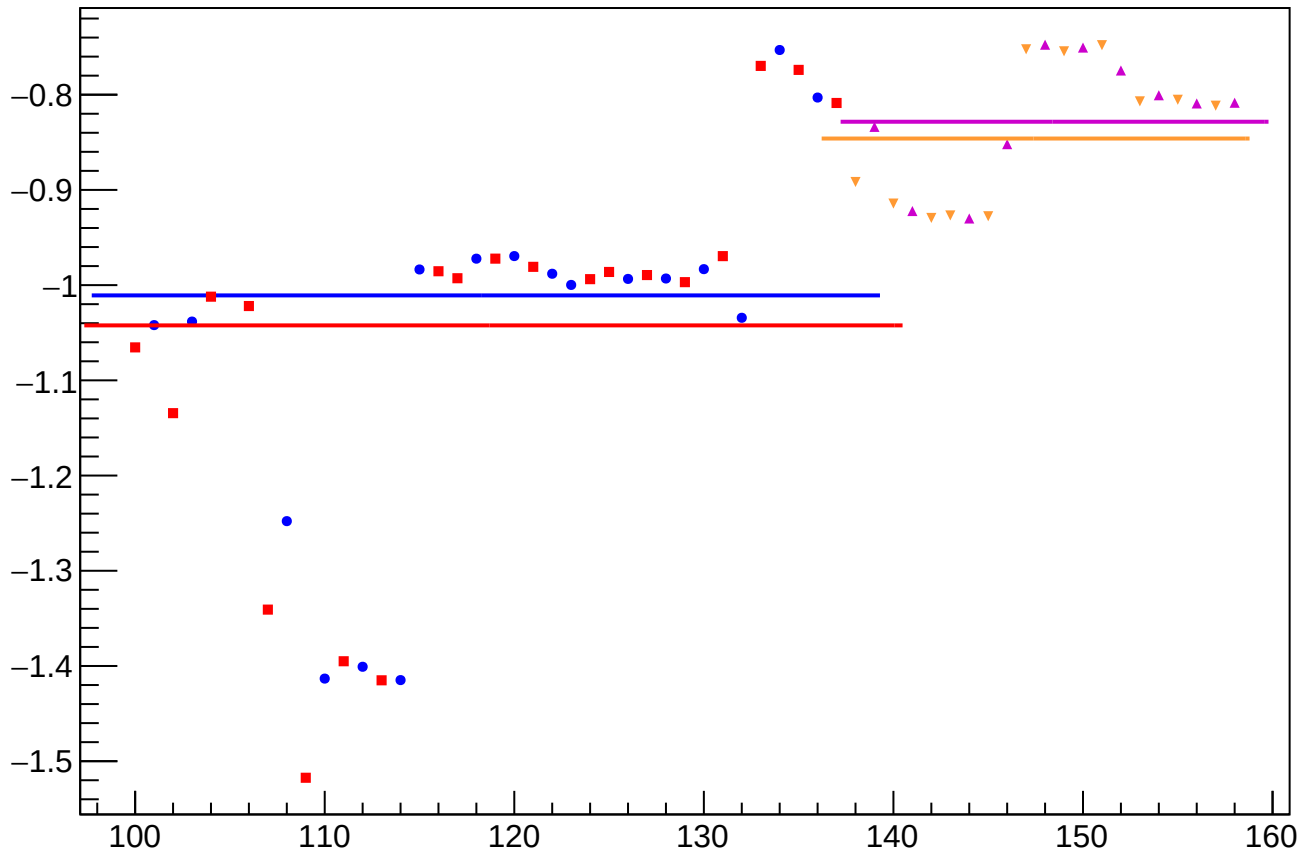
0.012+/-0.000 χ^2/NDF : 1735448.4/27

Right Out: 0.013+/-0.000 χ^2/NDF : 1285911.2/19

0.012+/-0.000 χ^2/NDF : 1693199.4/29

Left In: 0.011+/-0.000 χ^2/NDF : 282067.3/9

yield_bpm4acX_mean vs Slug



Right In: -1.011 ± 0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.846 ± 0.000 χ^2/NDF : 89613842.7/10

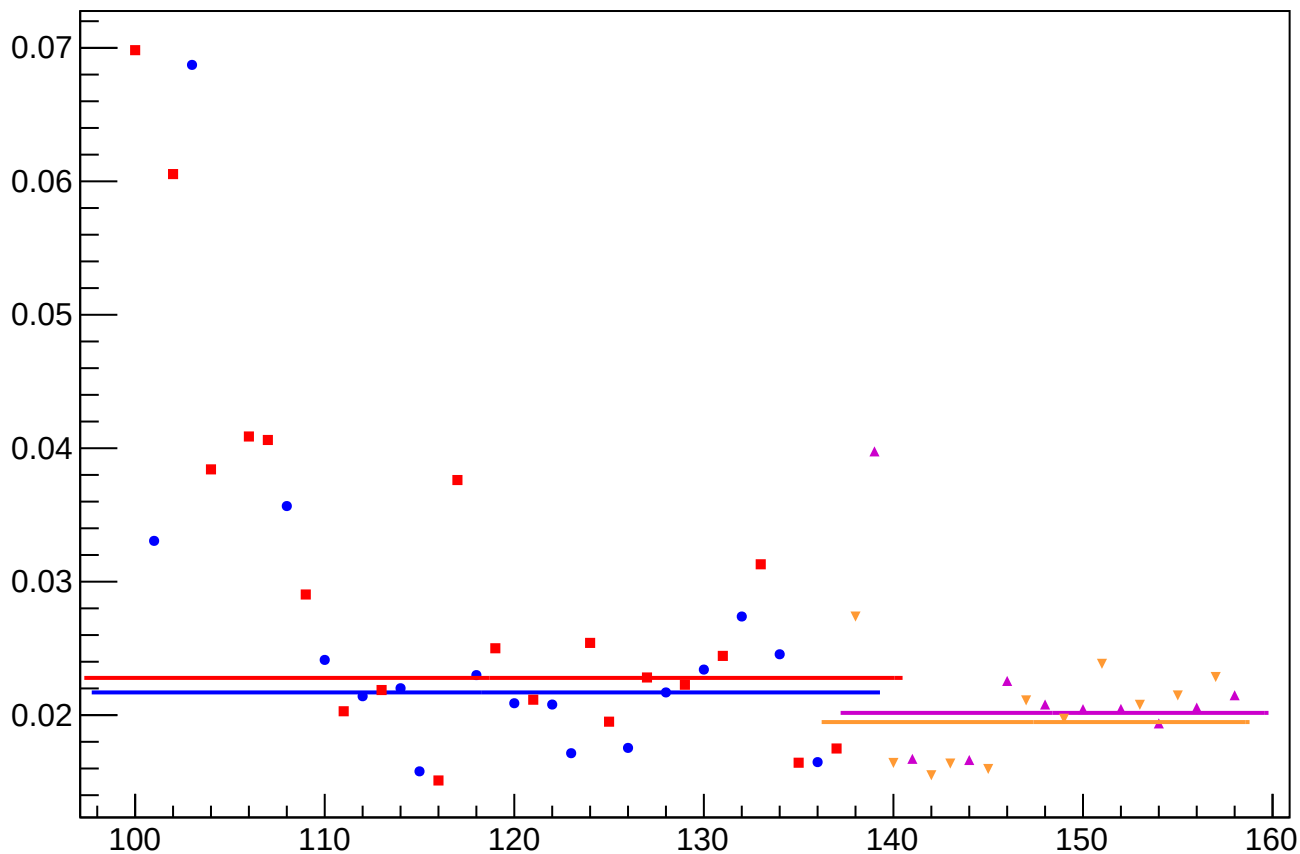
Right Out: -1.042 ± 0.000 χ^2/NDF : 529028760.6/19

Left In: -0.828 ± 0.000 χ^2/NDF : 69854601.8/9

-0.911 ± 0.000 χ^2/NDF : 652354089.8/27

-0.913 ± 0.000 χ^2/NDF : 883787617.0/29

yield_bpm4acX_rms vs Slug



Right In: 0.022 ± 0.000 $\chi^2/\text{NDF}: 979293.5/16$

Left Out: 0.019 ± 0.000 $\chi^2/\text{NDF}: 357325.1/10$

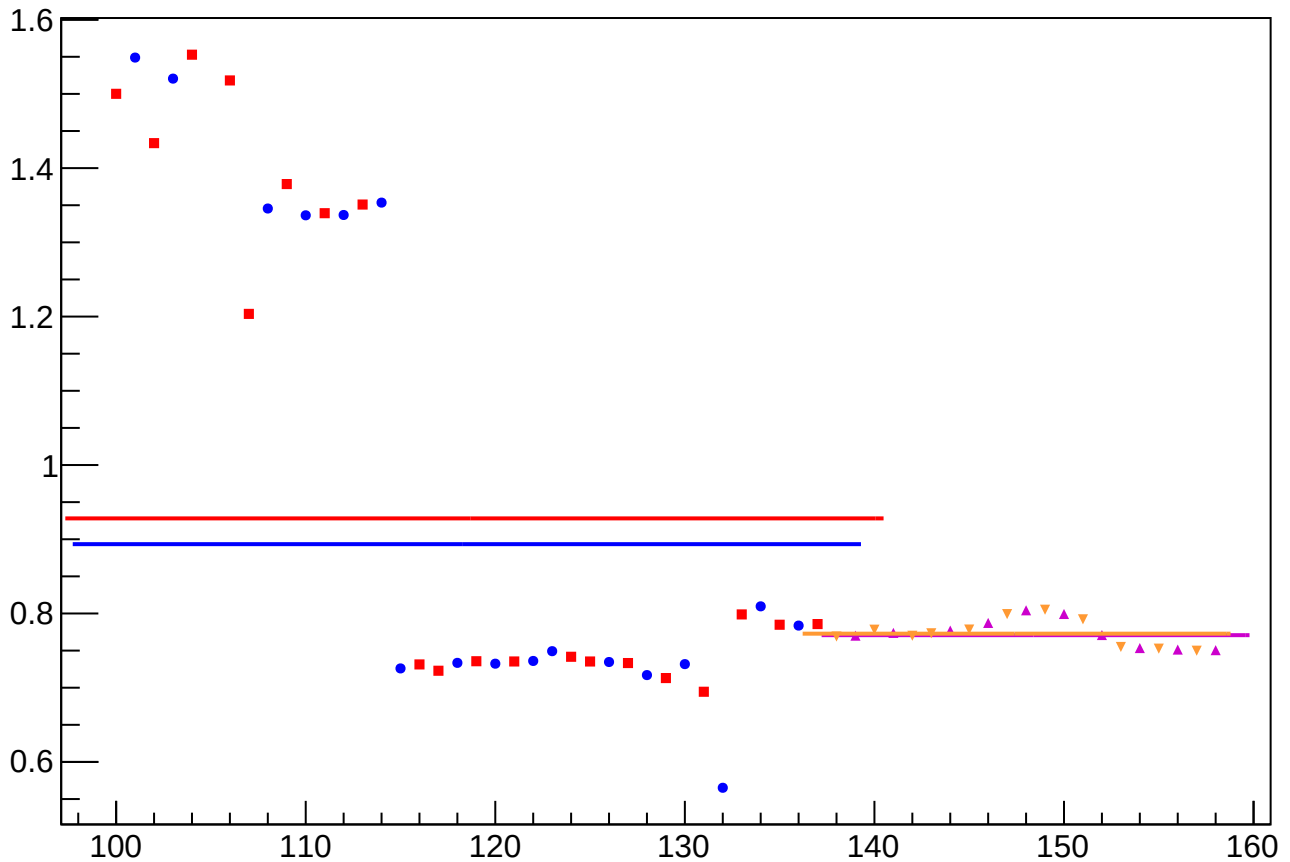
Right Out: 0.023 ± 0.000 $\chi^2/\text{NDF}: 1164870.4/19$

Left In: 0.020 ± 0.000 $\chi^2/\text{NDF}: 479786.1/9$

0.020 ± 0.000 $\chi^2/\text{NDF}: 1400449.6/27$

0.021 ± 0.000 $\chi^2/\text{NDF}: 1730223.3/29$

yield_bpm4acY_mean vs Slug



Right In: 0.893+/-0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.773+/-0.000 χ^2/NDF : 12961255.0/10

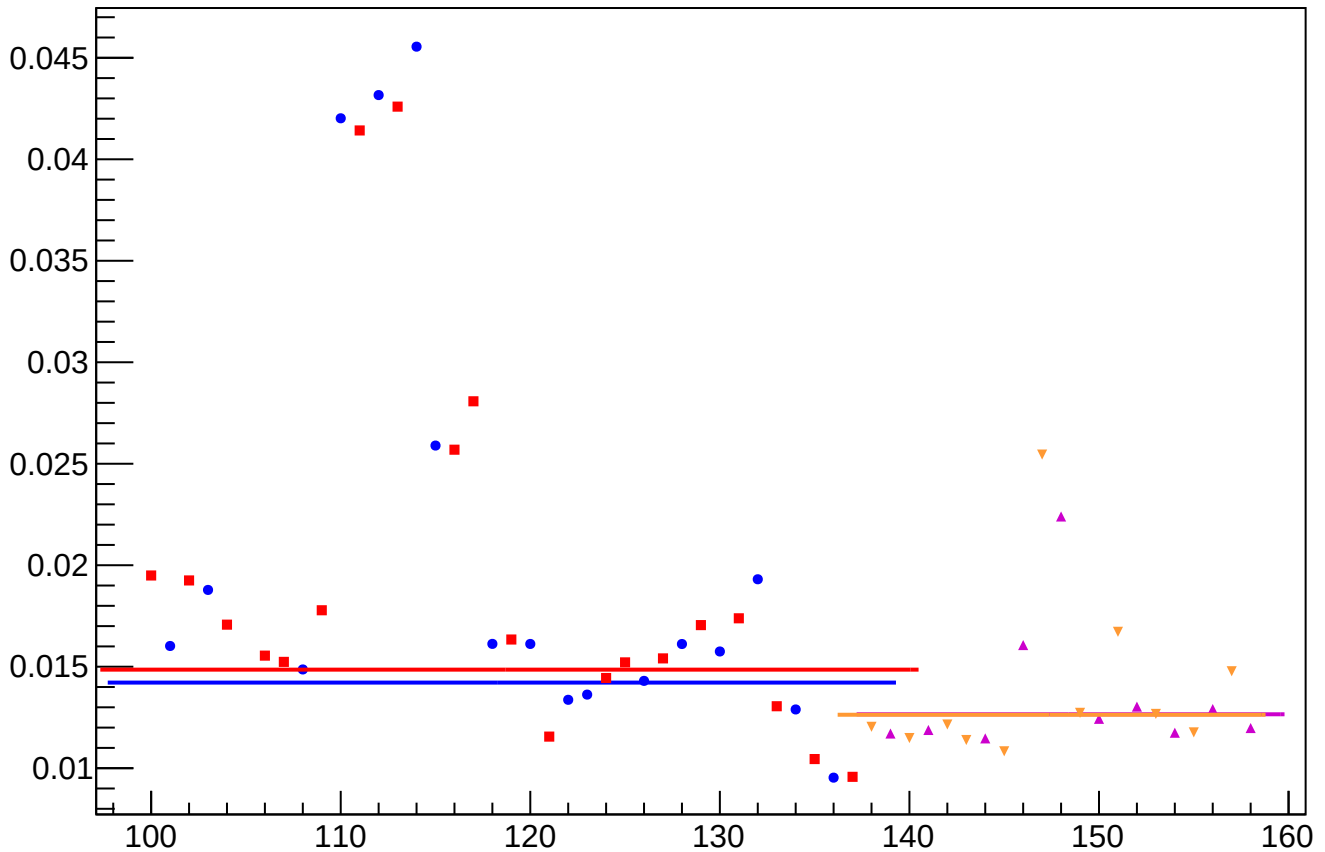
0.817+/-0.000 χ^2/NDF : 2674425173.9/27

Right Out: 0.928+/-0.000 χ^2/NDF : 2437683008.7/19

0.828+/-0.000 χ^2/NDF : 2881656408.5/29

Left In: 0.771+/-0.000 χ^2/NDF : 13146111.9/9

yield_bpm4acY_rms vs Slug



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1409594.2/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 578000.4/10

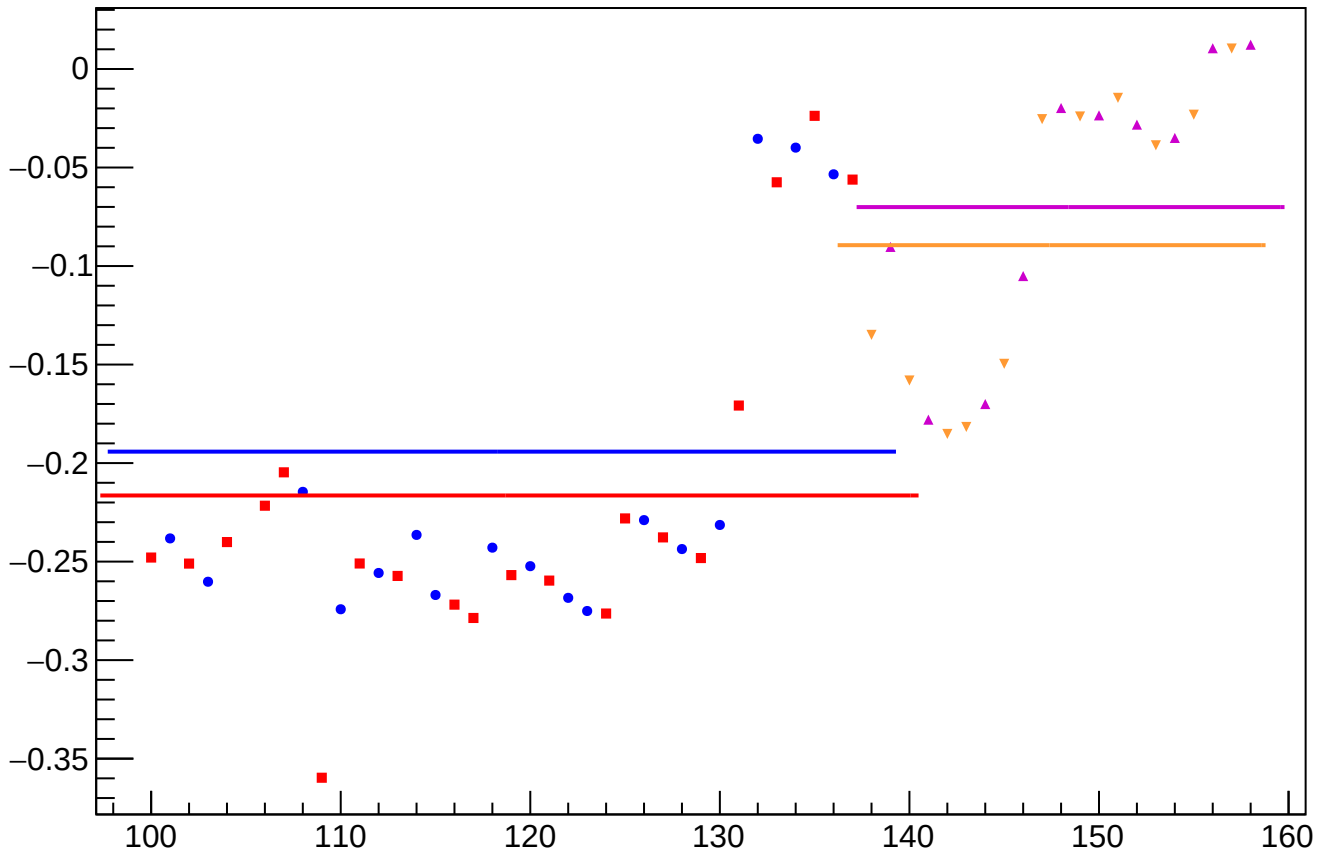
0.013 $\pm$ 0.000 χ^2 /NDF: 2075087.5/27

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1286513.9/19

0.013 $\pm$ 0.000 χ^2 /NDF: 1859652.5/29

Left In: 0.013 $\pm$ 0.000 χ^2 /NDF: 404763.6/9

yield_bpm4ecX_mean vs Slug



Right In: -0.194+/-0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.089+/-0.000 χ^2/NDF : 90079912.9/10

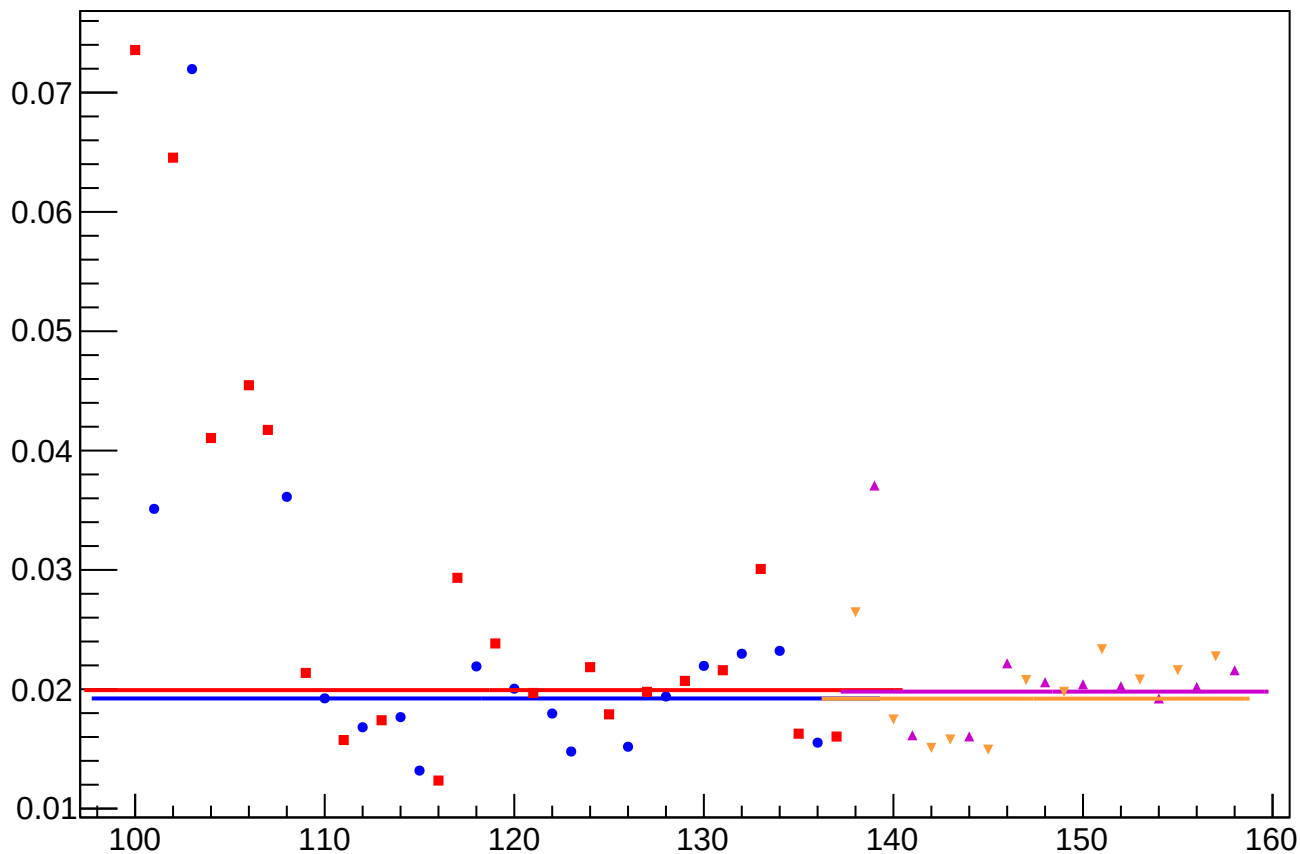
Right Out: -0.216+/-0.000 χ^2/NDF : 111217219.2/19

Left In: -0.070+/-0.000 χ^2/NDF : 86060769.1/9

-0.136+/-0.000 χ^2/NDF : 280662940.6/27

-0.135+/-0.000 χ^2/NDF : 353723437.7/29

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 : 384760.5/10

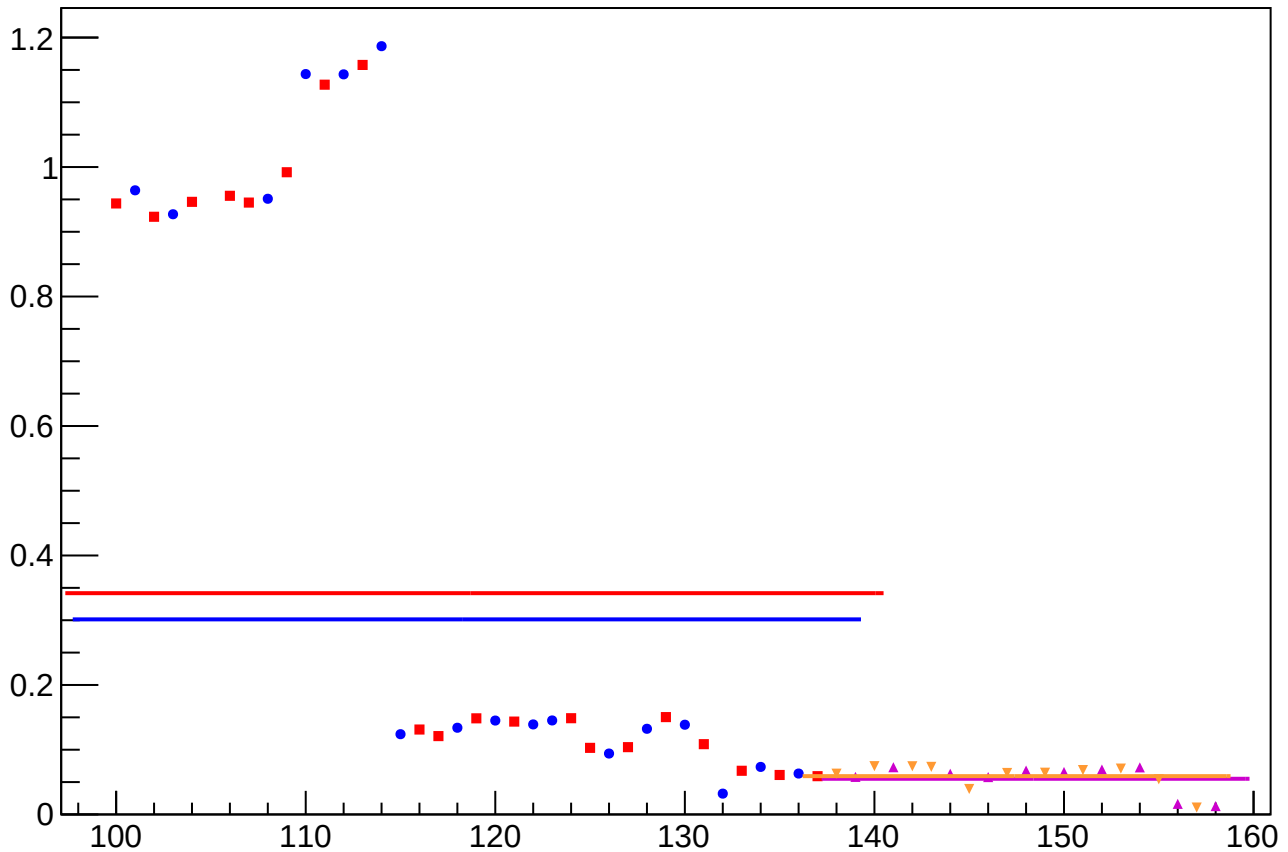
Right Out: 0.020+/-0.000 χ^2/NDF : 1452730.4/19

Left In: 0.020+/-0.000 χ^2/NDF : 471837.5/9

0.019+/-0.000 χ^2/NDF : 1559342.0/27

0.020+/-0.000 χ^2/NDF : 1924804.7/29

yield_bpm4ecY_mean vs Slug



Right In: 0.301+/-0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.059+/-0.000 χ^2/NDF : 20165026.6/10

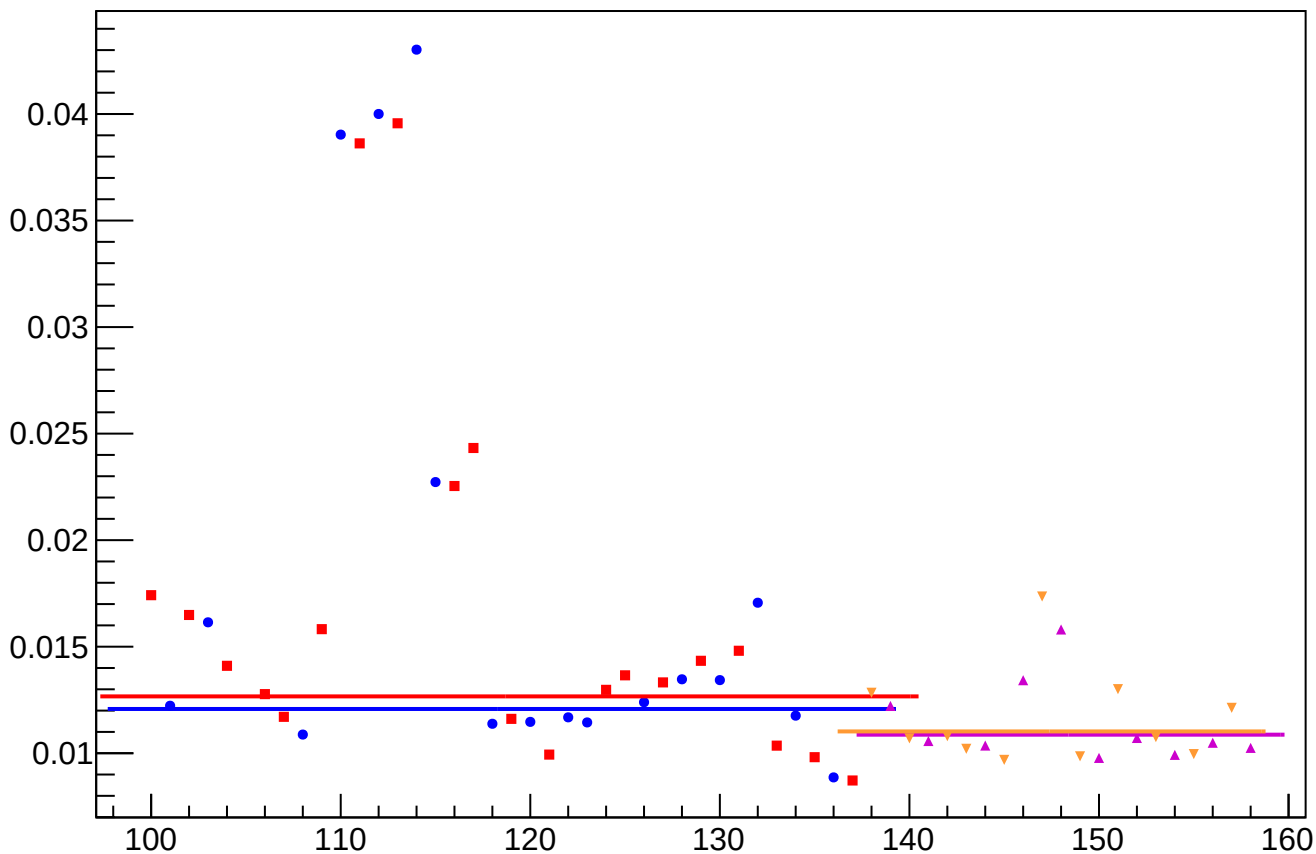
0.151+/-0.000 χ^2/NDF : 6569994254.0/27

Right Out: 0.342+/-0.000 χ^2/NDF : 5445885893.4/19

0.158+/-0.000 χ^2/NDF : 7420206554.0/29

Left In: 0.055+/-0.000 χ^2/NDF : 32464614.1/9

yield_bpm4ecY_rms vs Slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1280342.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 352175.8/10

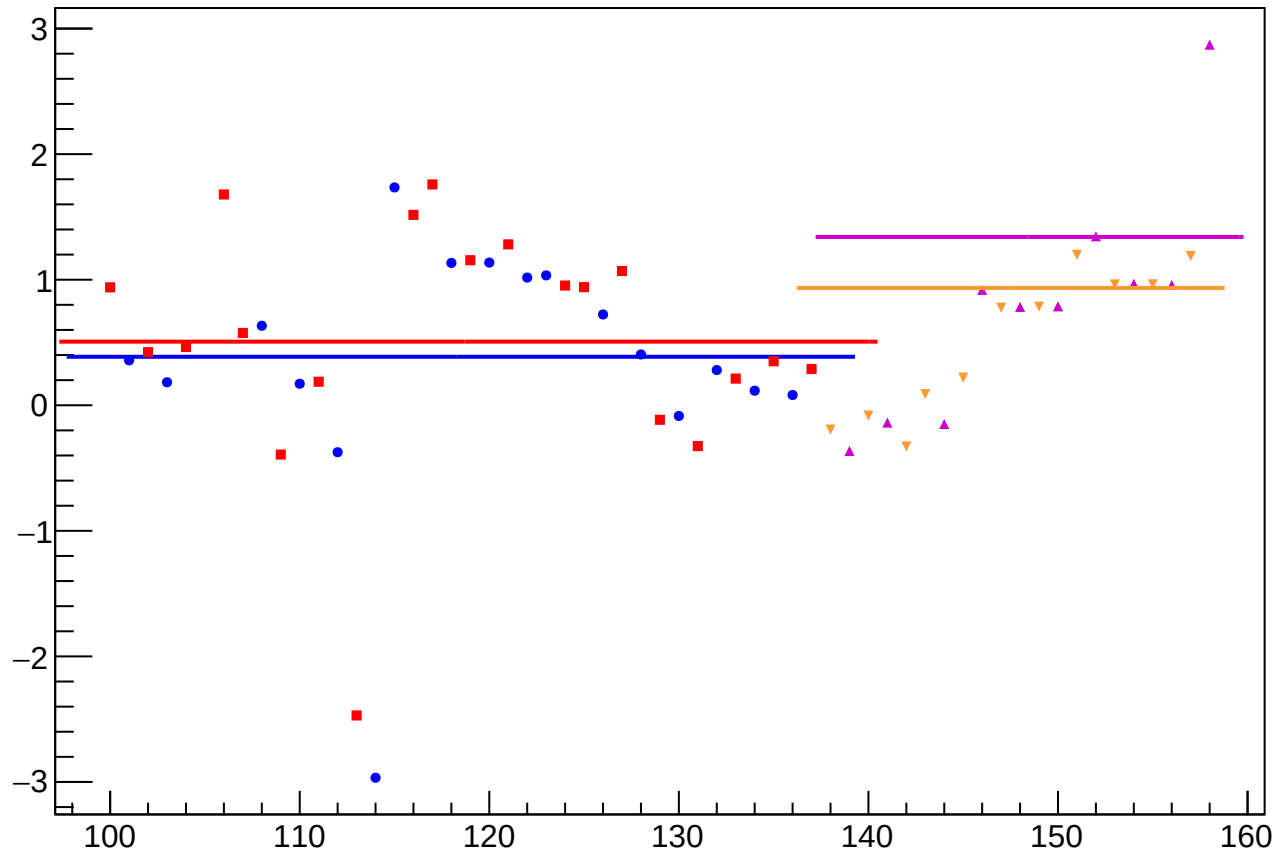
0.011 $\pm$ 0.000 χ^2 /NDF: 1685351.8/27

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1253755.7/19

0.012 $\pm$ 0.000 χ^2 /NDF: 1678046.6/29

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 271705.1/9

yield_bpm1X_mean vs Slug



Right In: 0.386 ± 0.000 $\chi^2/\text{NDF}: 246380221.7/16$

Left Out: 0.934 ± 0.000 $\chi^2/\text{NDF}: 862154884.2/10$

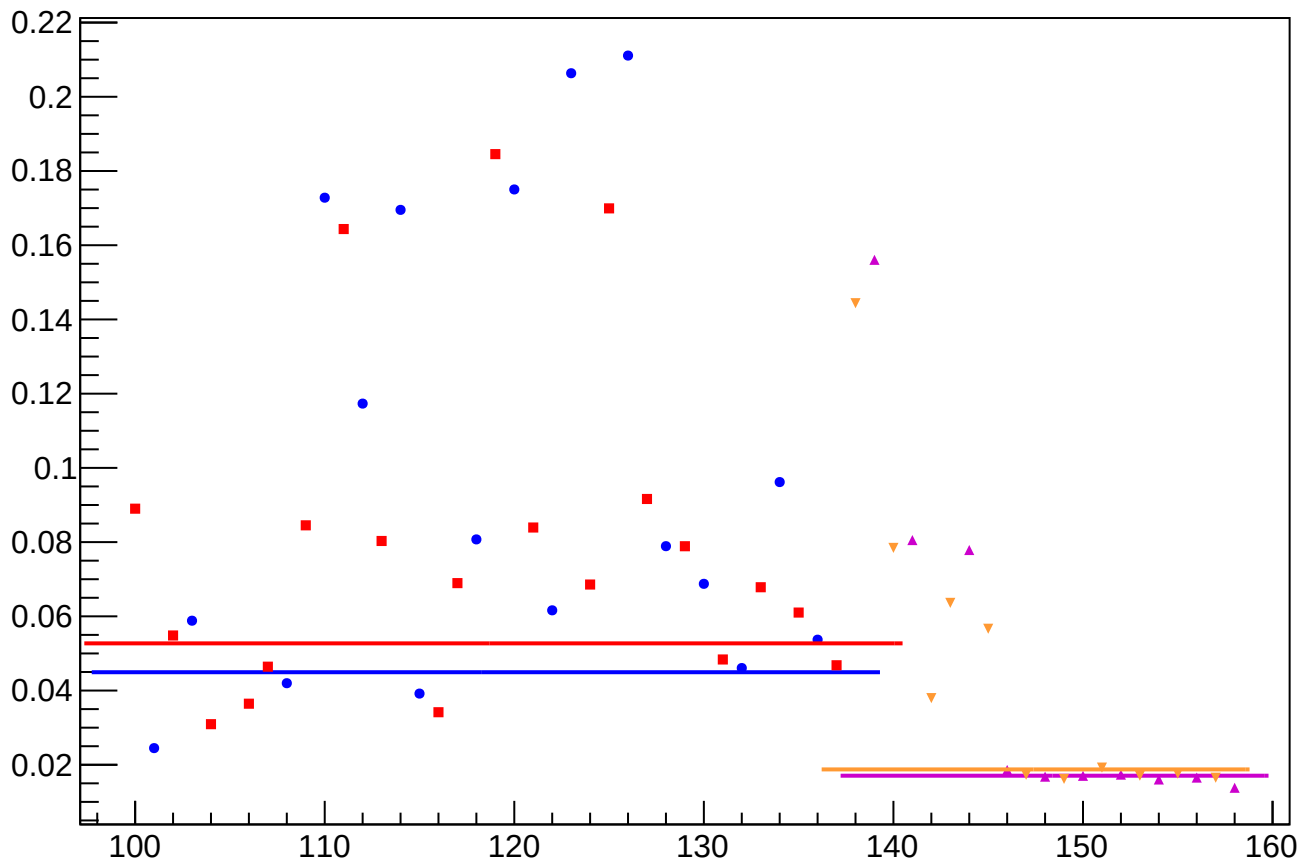
Right Out: 0.507 ± 0.000 $\chi^2/\text{NDF}: 995373603.6/19$

Left In: 1.340 ± 0.000 $\chi^2/\text{NDF}: 11974907230.8/9$

0.875 ± 0.000 $\chi^2/\text{NDF}: 1576958036.0/27$

1.278 ± 0.000 $\chi^2/\text{NDF}: 13932458101.2/29$

yield_bpm1X_rms vs Slug



Right In: 0.045+/-0.000 χ^2/NDF : 2788348.6/16

Left Out: 0.019+/-0.000 χ^2/NDF : 2558309.5/10

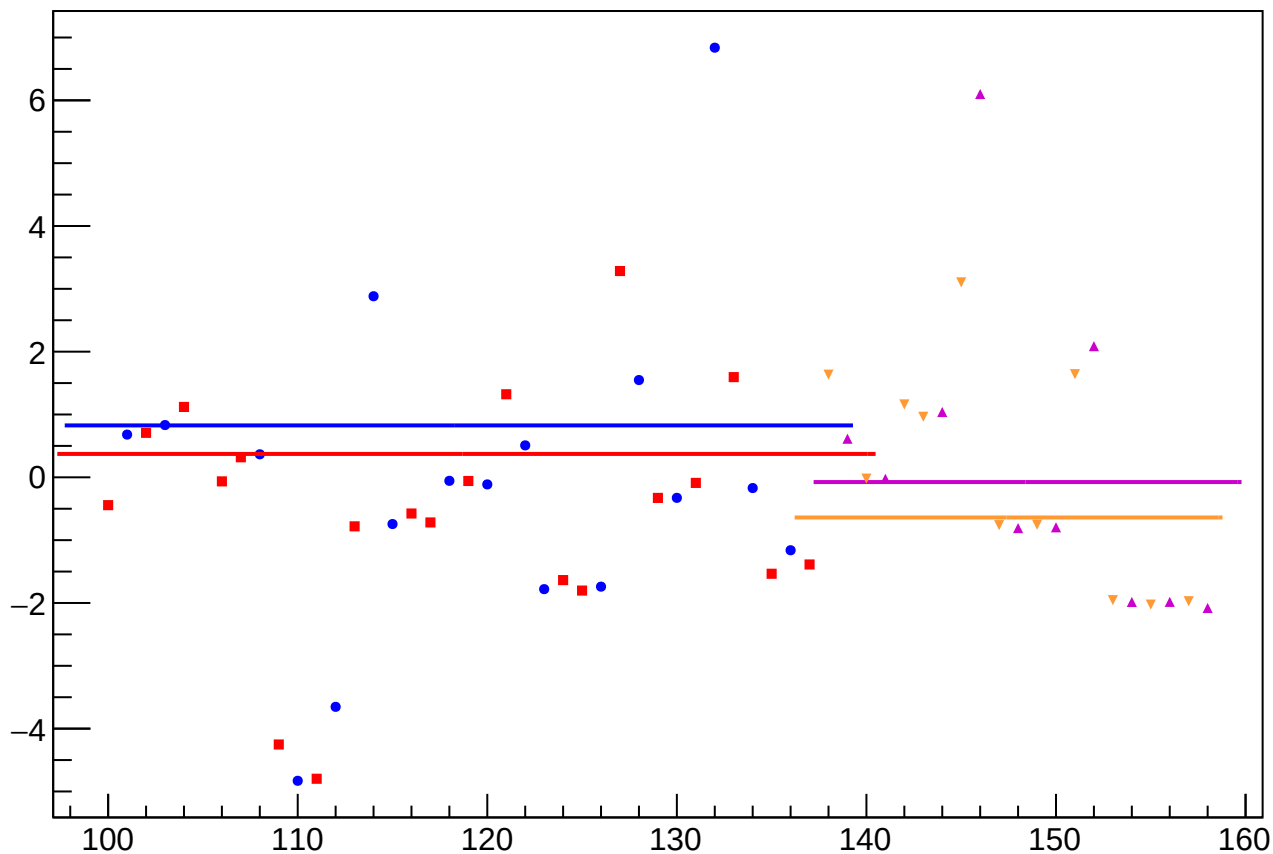
Right Out: 0.053+/-0.000 χ^2/NDF : 2195781.8/19

Left In: 0.017+/-0.000 χ^2/NDF : 2347352.5/9

0.022+/-0.000 χ^2/NDF : 7484303.2/27

0.020+/-0.000 χ^2/NDF : 8063247.1/29

yield_bpm1Y_mean vs Slug



Right In: 0.826+/-0.000 χ^2/NDF : 10945455664.9/16

Left Out: -0.639+/-0.000 χ^2/NDF : 70913336139.4/10

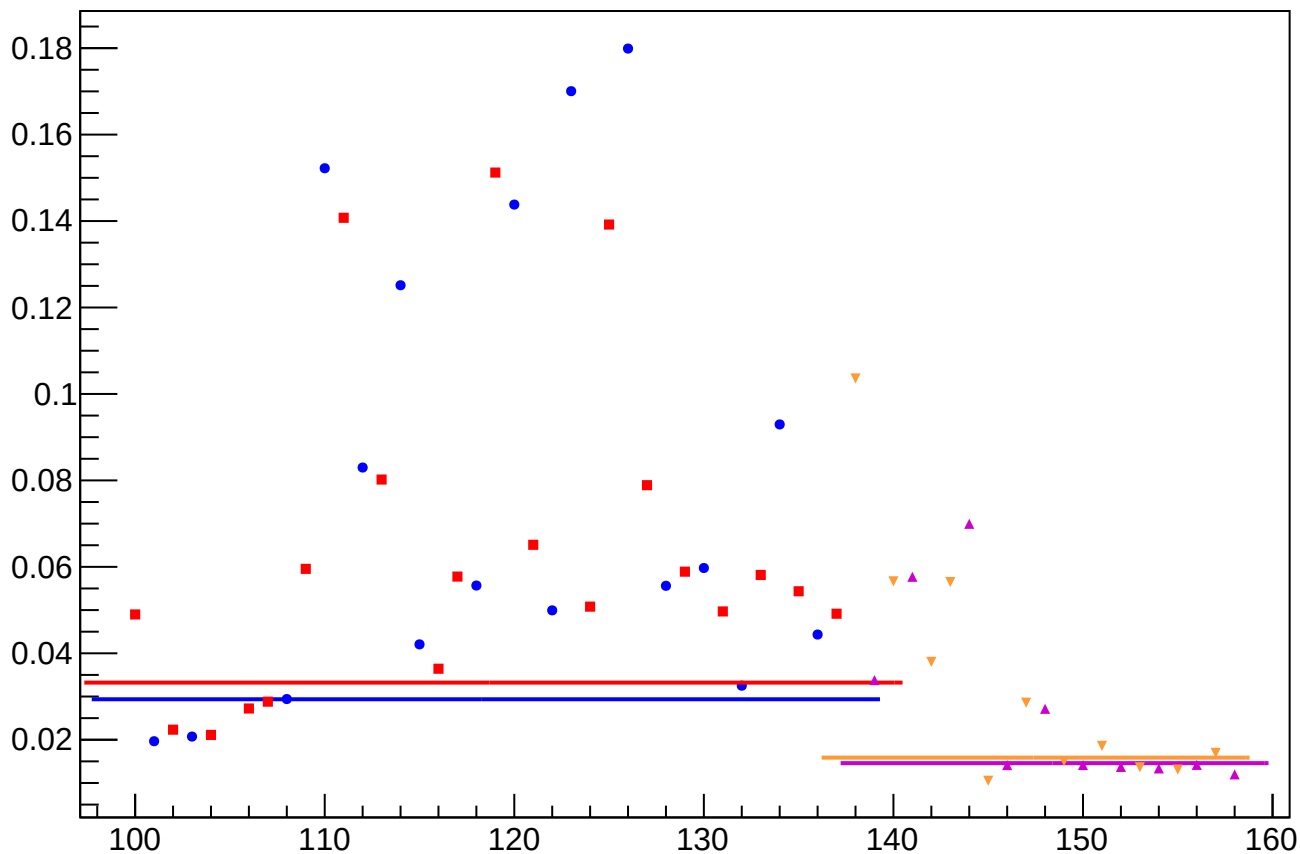
Right Out: 0.372+/-0.000 χ^2/NDF : 4960201861.0/19

Left In: -0.075+/-0.000 χ^2/NDF : 207584926368.1/9

-0.408+/-0.000 χ^2/NDF : 88972822658.5/27

-0.024+/-0.000 χ^2/NDF : 213167475266.0/29

yield_bpm1Y_rms vs Slug



Right In: 0.029+/-0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.016+/-0.000 χ^2/NDF :2525373.2/10

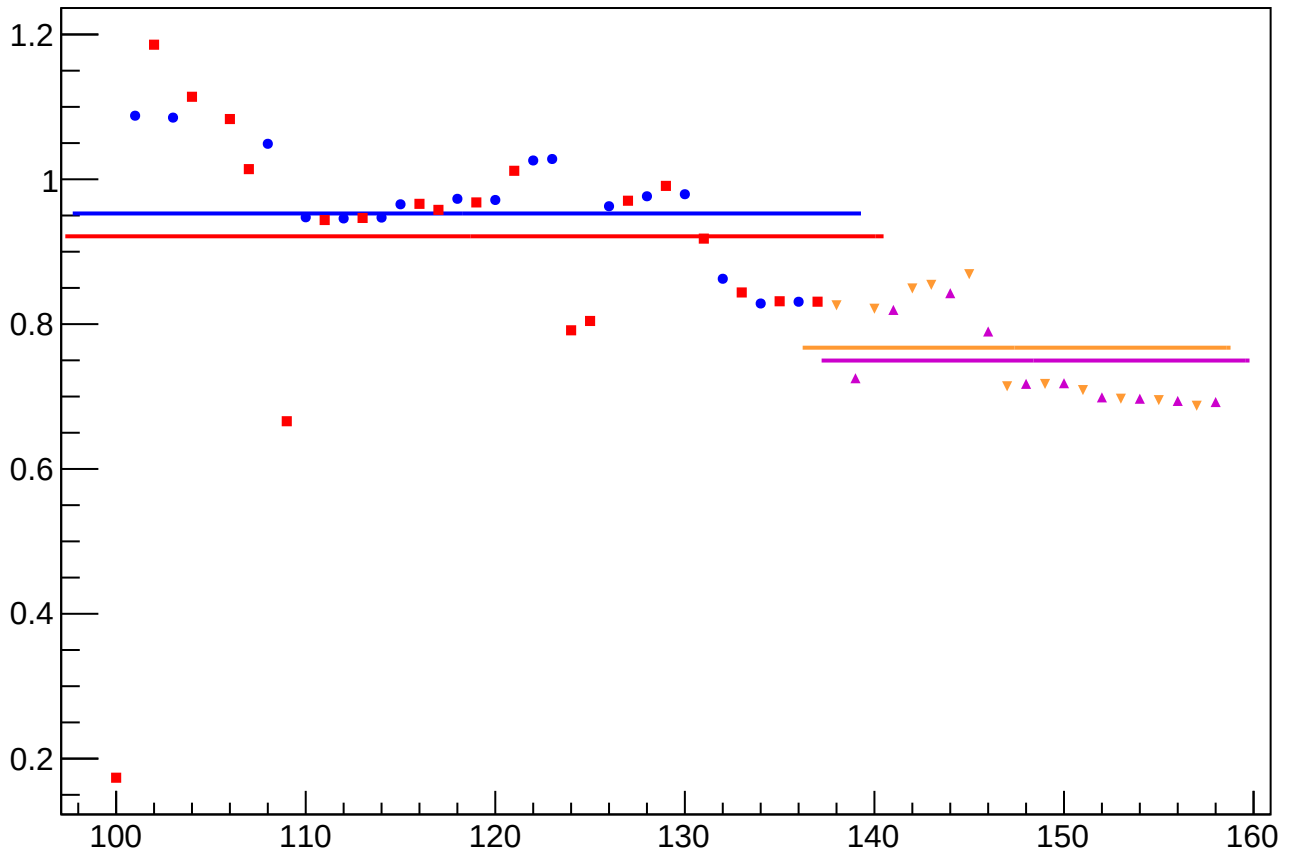
Right Out: 0.033+/-0.000 χ^2/NDF : 3112299.1/19

Left In: 0.015+/-0.000 χ^2/NDF :1772290.0/9

0.018+/-0.000 χ^2/NDF : 6720333.7/27

0.017+/-0.000 χ^2/NDF : 7040665.8/29

yield_bpm11X_mean vs Slug



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175750243.6/16

Left Out: 0.767 $\pm$ 0.000 χ^2 /NDF:200308036.7/10

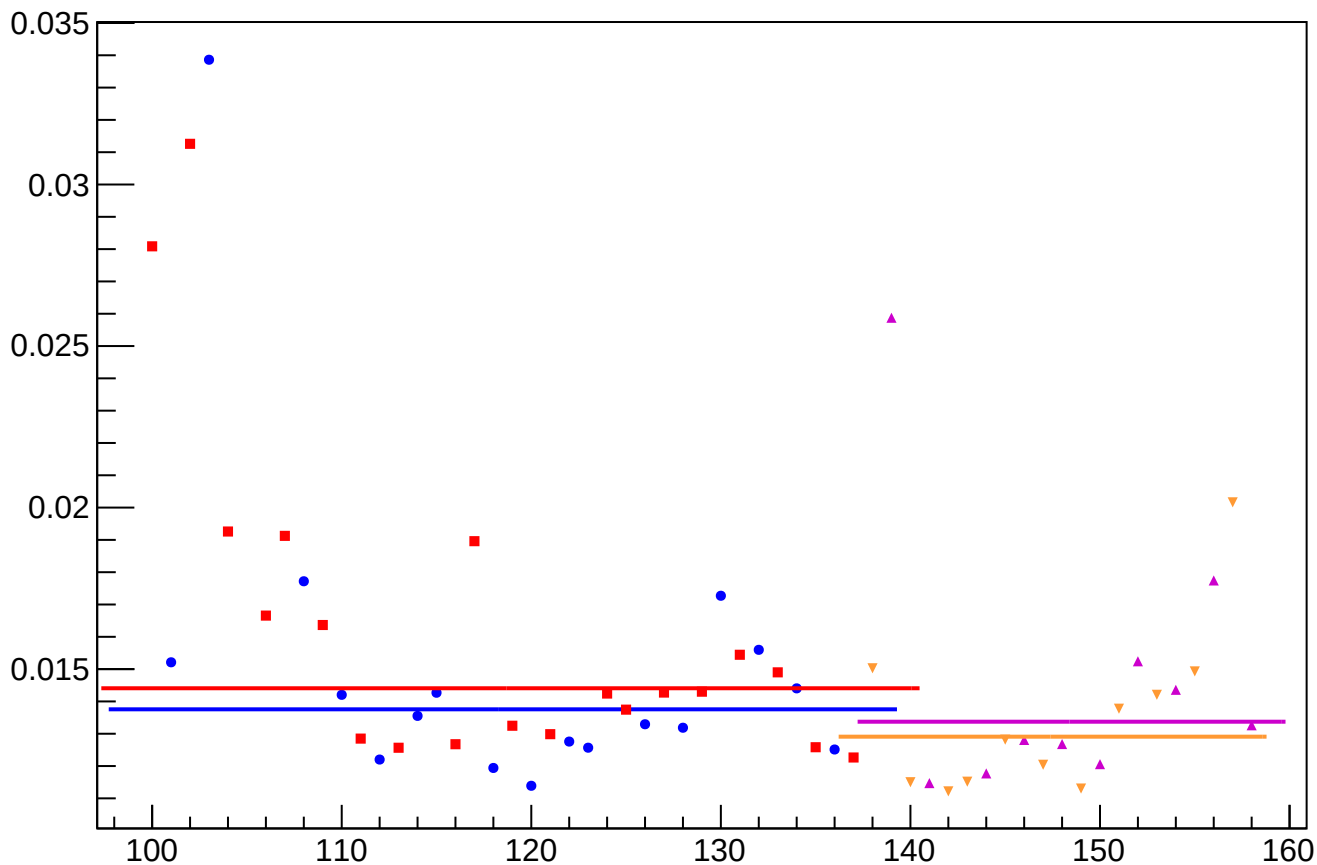
0.846 $\pm$ 0.000 χ^2 /NDF: 977142553.4/27

Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374306248.8/19

0.823 $\pm$ 0.000 χ^2 /NDF: 1003086588.5/29

Left In: 0.750 $\pm$ 0.000 χ^2 /NDF:131087543.8/9

yield_bpm11X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF : 538469.4/16

Left Out: 0.013+/-0.000 χ^2/NDF : 311133.3/10

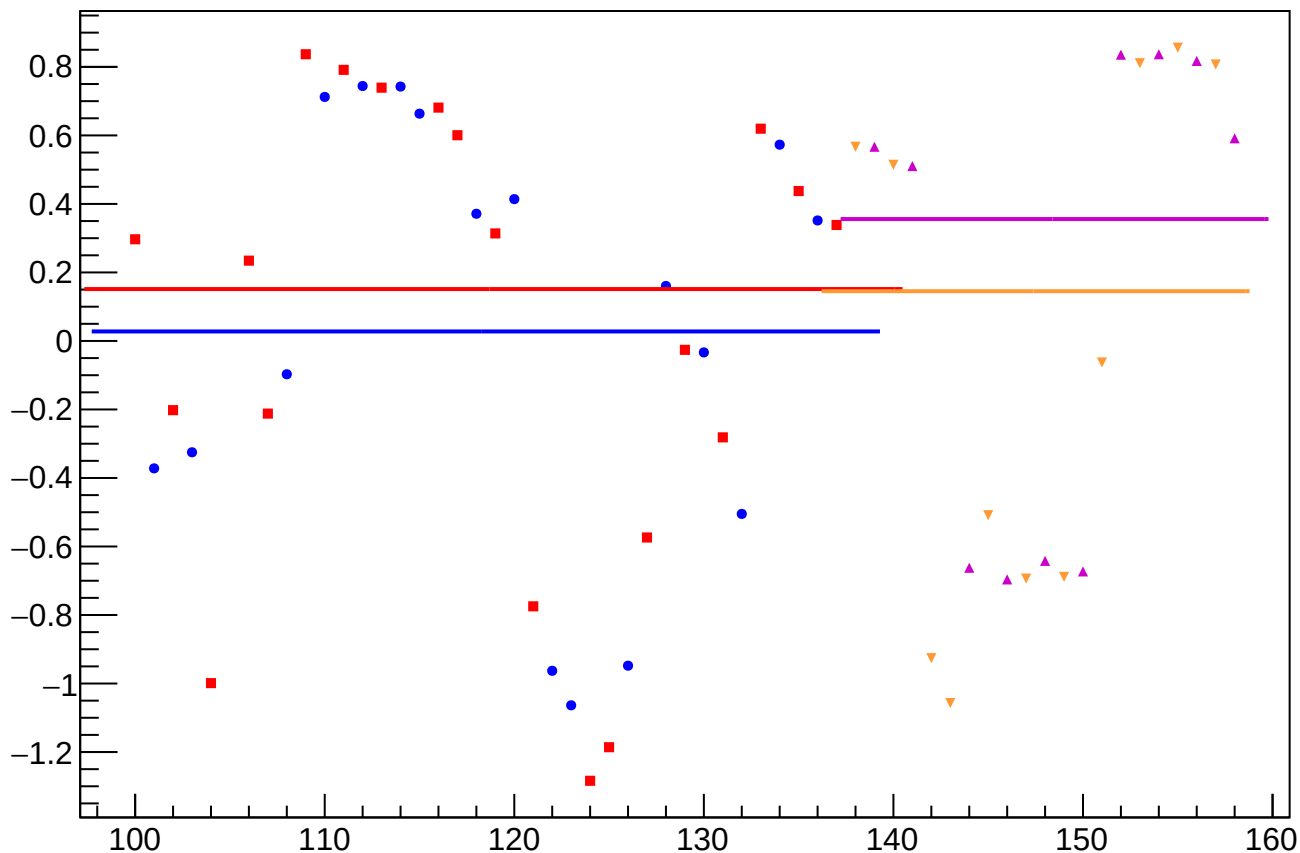
Right Out: 0.014+/-0.000 χ^2/NDF : 508622.9/19

Left In: 0.013+/-0.000 χ^2/NDF : 531935.4/9

0.013+/-0.000 χ^2/NDF : 874692.5/27

0.014+/-0.000 χ^2/NDF : 1076805.3/29

yield_bpm11Y_mean vs Slug



Right In: 0.028+/-0.000 χ^2/NDF : 6276955529.7/16

Left Out: 0.145+/-0.000 χ^2/NDF : 22389861004.6/10

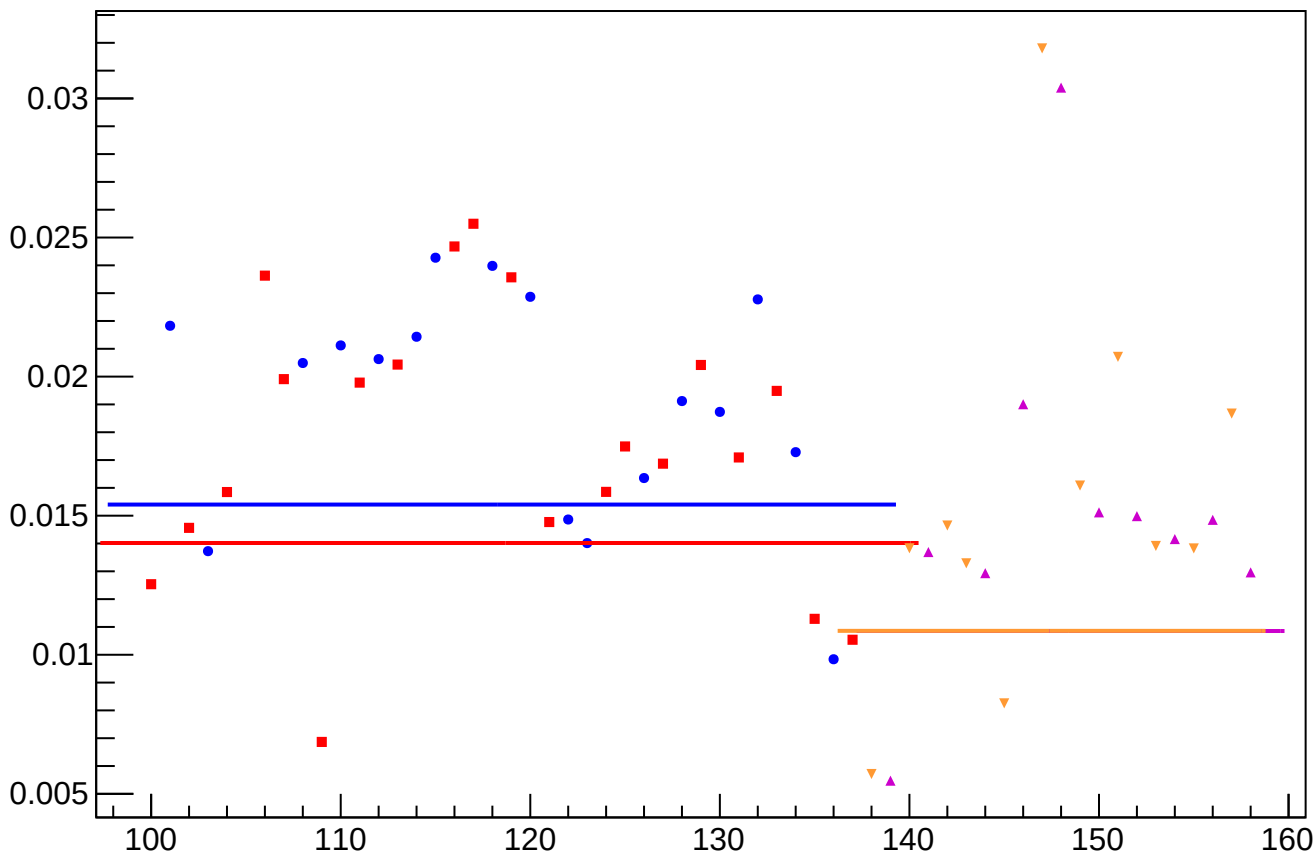
Right Out: 0.152+/-0.000 χ^2/NDF : 12665480117.0/19

Left In: 0.356+/-0.000 χ^2/NDF : 15880442887.1/9

0.109+/-0.000 χ^2/NDF : 28890830862.1/27

0.285+/-0.000 χ^2/NDF : 29326342844.4/29

yield_bpm11Y_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1141655.8/16

Left Out: 0.011+/-0.000 χ^2/NDF : 2778546.1/10

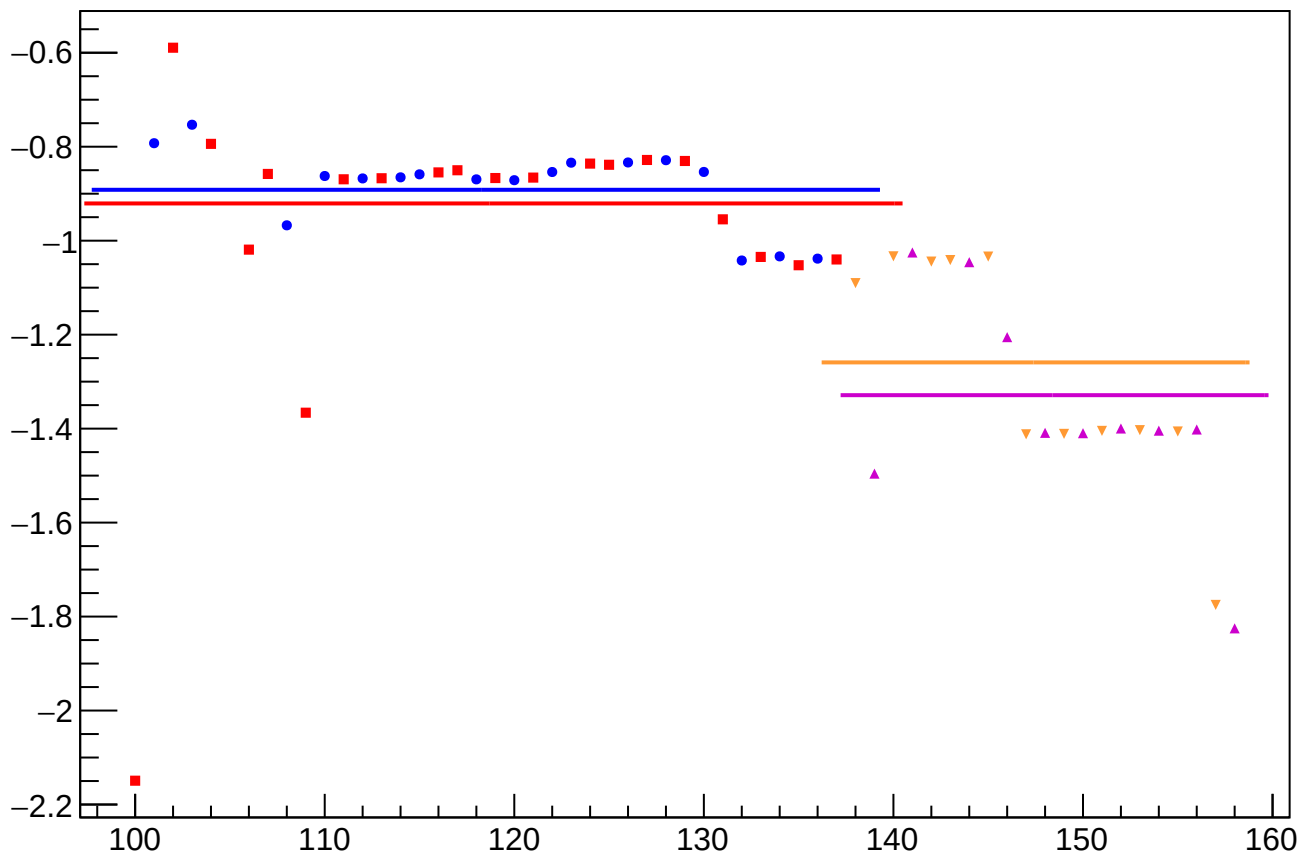
Right Out: 0.014+/-0.000 χ^2/NDF : 1576882.7/19

Left In: 0.011+/-0.000 χ^2/NDF : 2797944.4/9

0.012+/-0.000 χ^2/NDF : 4589548.8/27

0.012+/-0.000 χ^2/NDF : 4748930.4/29

yield_bpm12X_mean vs Slug



Right In: -0.892 ± 0.000 χ^2/NDF : 39793337.2/16

Left Out: -1.259 ± 0.000 χ^2/NDF : 260879242.2/10

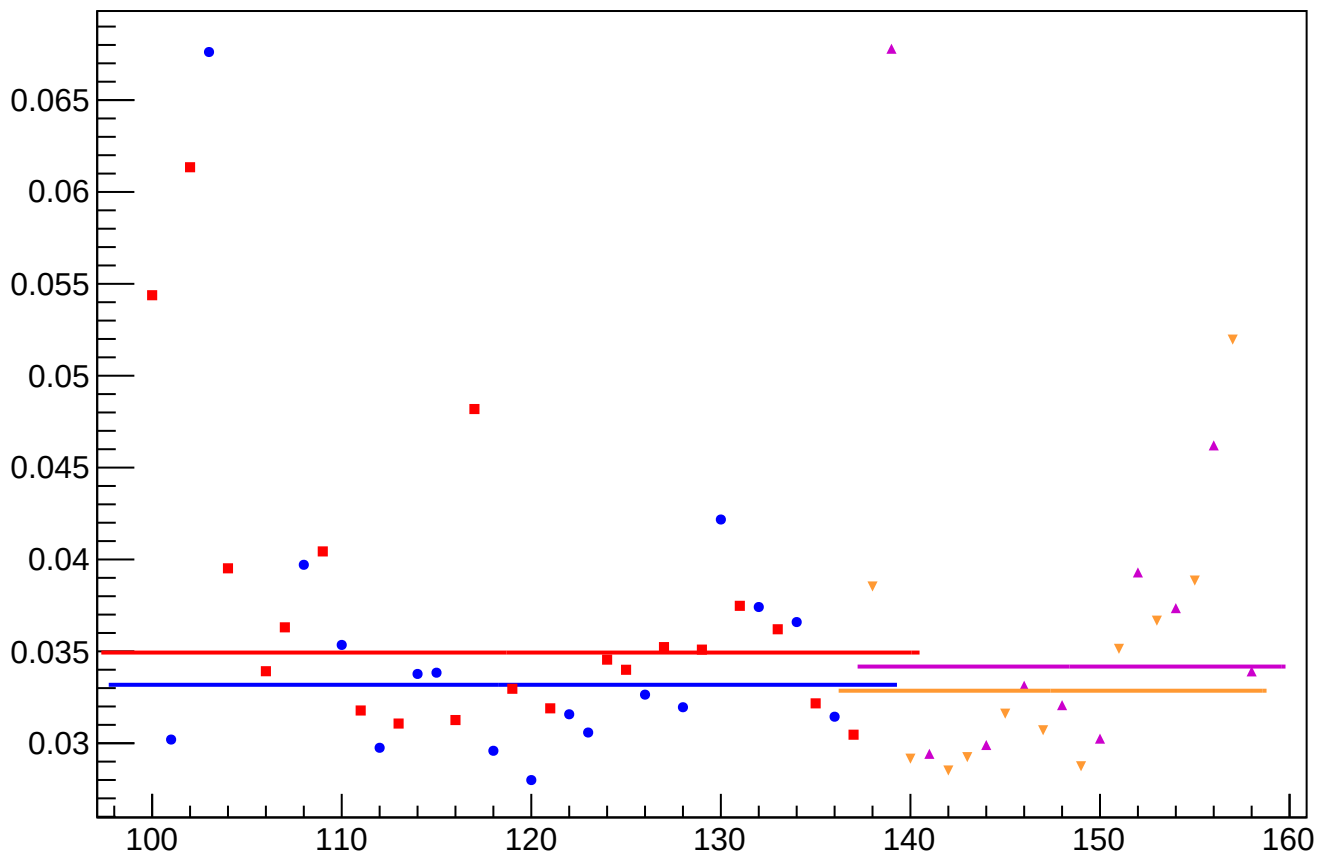
Right Out: -0.921 ± 0.000 χ^2/NDF : 131248005.3/19

Left In: -1.329 ± 0.000 χ^2/NDF : 331256746.9/9

-1.092 ± 0.000 χ^2/NDF : 688302219.7/27

-1.143 ± 0.000 χ^2/NDF : 921265737.0/29

yield_bpm12X_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF : 400106.0/16

Left Out: 0.033+/-0.000 χ^2/NDF :334088.0/10

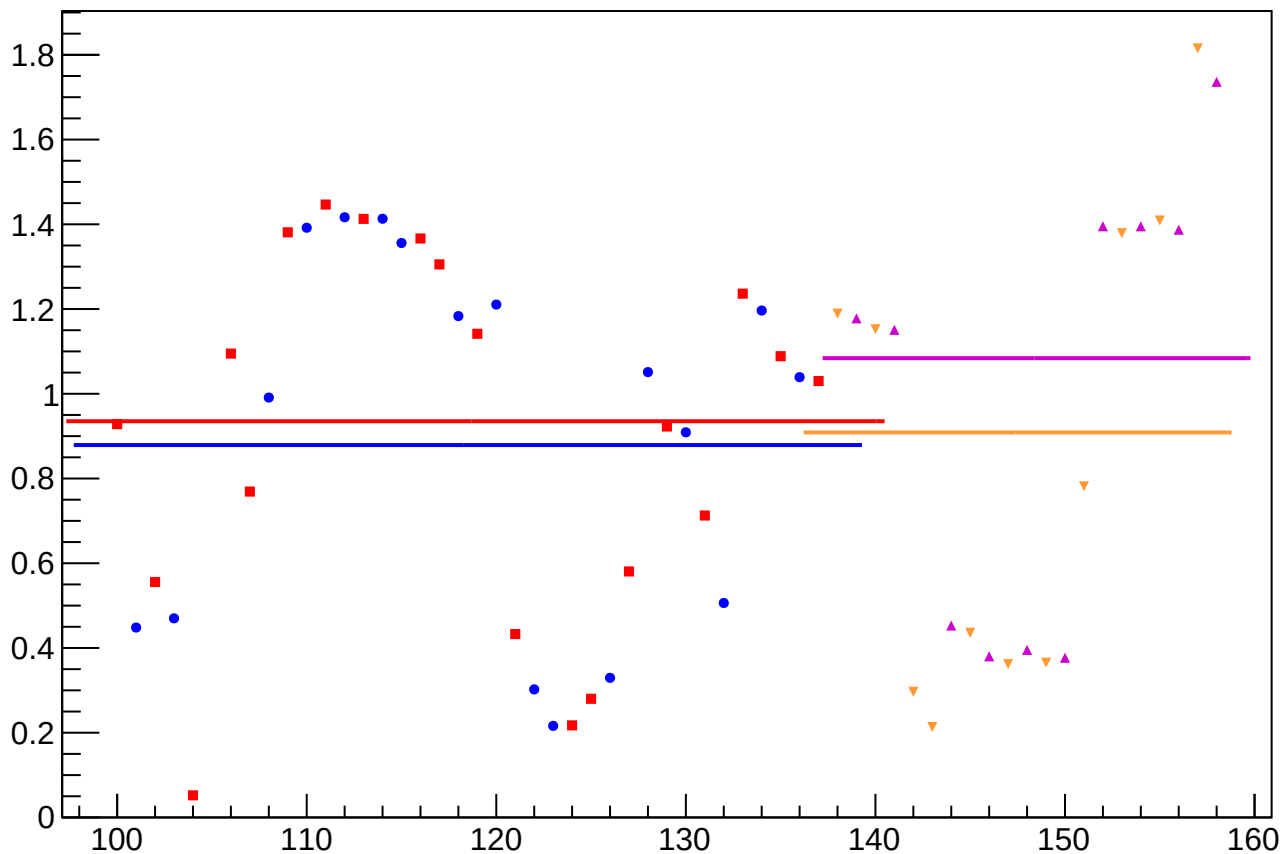
Right Out: 0.035+/-0.000 χ^2/NDF : 281256.5/19

Left In: 0.034+/-0.000 χ^2/NDF :573363.2/9

0.033+/-0.000 χ^2/NDF : 734789.8/27

0.035+/-0.000 χ^2/NDF : 857823.5/29

yield_bpm12Y_mean vs Slug



Right In: 0.879+/-0.000 χ^2/NDF : 6371602566.2/16

Left Out: 0.909+/-0.000 χ^2/NDF : 21429558389.8/10

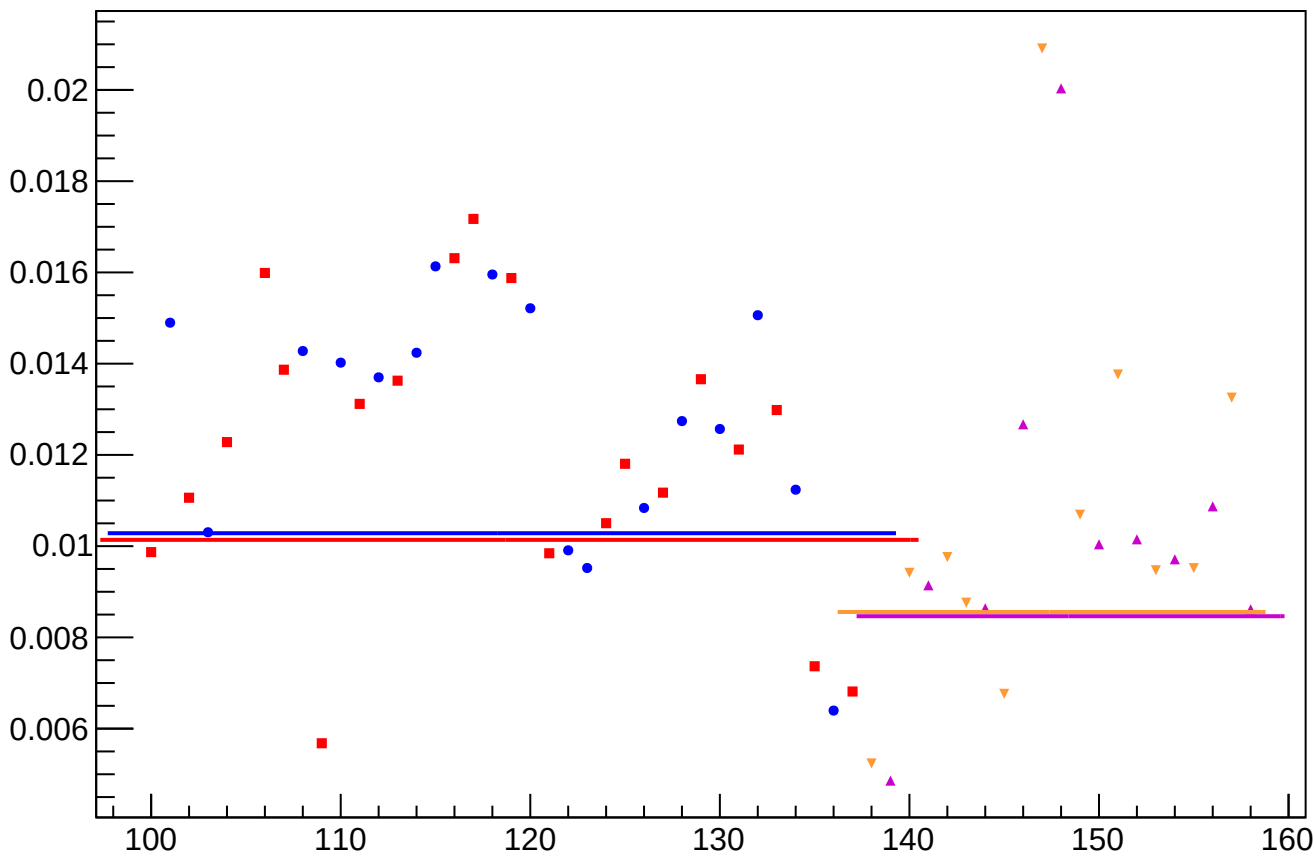
Right Out: 0.935+/-0.000 χ^2/NDF : 9844960466.1/19

Left In: 1.084+/-0.000 χ^2/NDF : 18786151713.4/9

0.898+/-0.000 χ^2/NDF : 27830988689.3/27

1.029+/-0.000 χ^2/NDF : 29430132422.1/29

yield_bpm12Y_rms vs Slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1207460.1/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 1651627.6/10

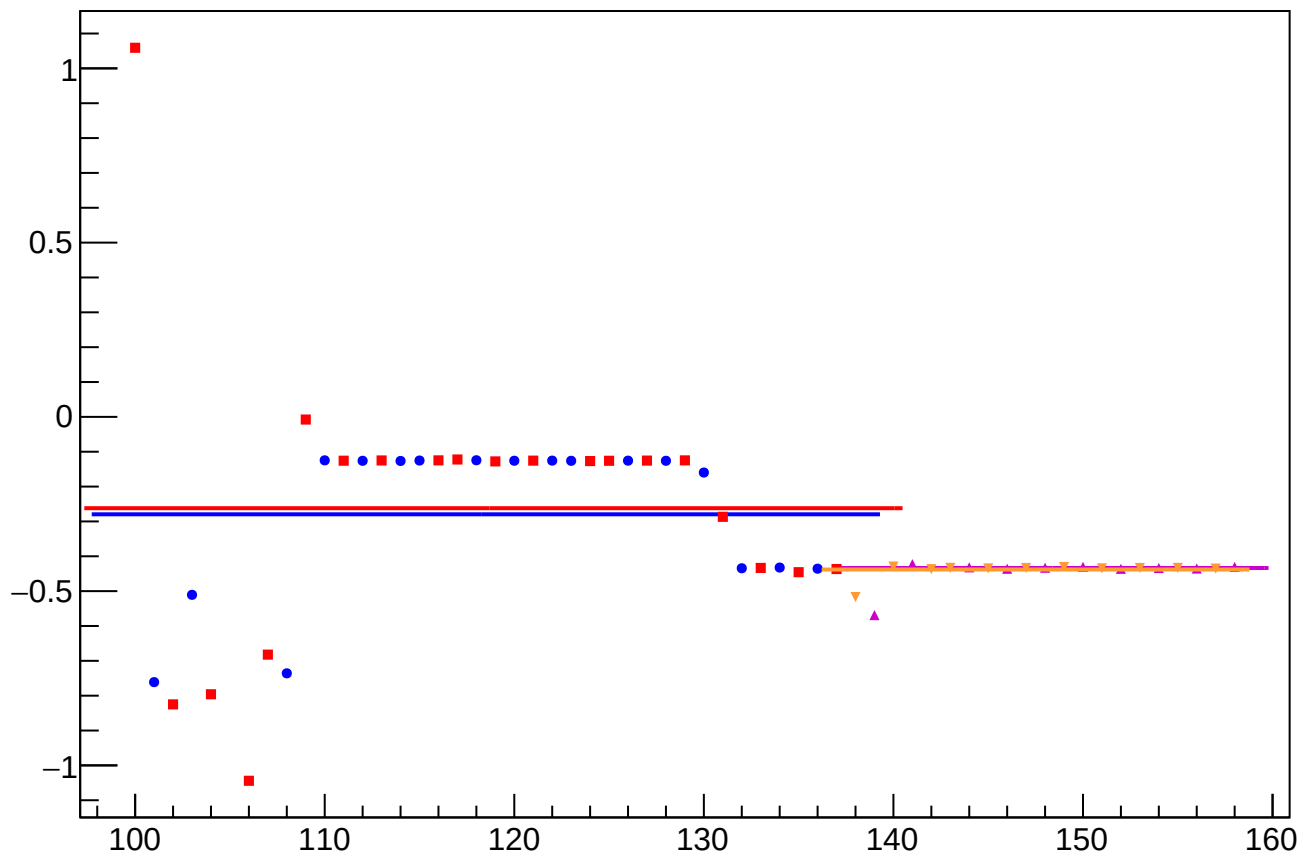
Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1189529.0/19

Left In: 0.008 $\pm$ 0.000 χ^2 /NDF: 1607782.0/9

0.009 $\pm$ 0.000 χ^2 /NDF: 3059631.4/27

0.009 $\pm$ 0.000 χ^2 /NDF: 2999209.9/29

yield_bpm16X_mean vs Slug



Right In: -0.280 ± 0.000 χ^2/NDF : 929210245.5/16

Left Out: -0.438 ± 0.000 χ^2/NDF : 24178775.1/10

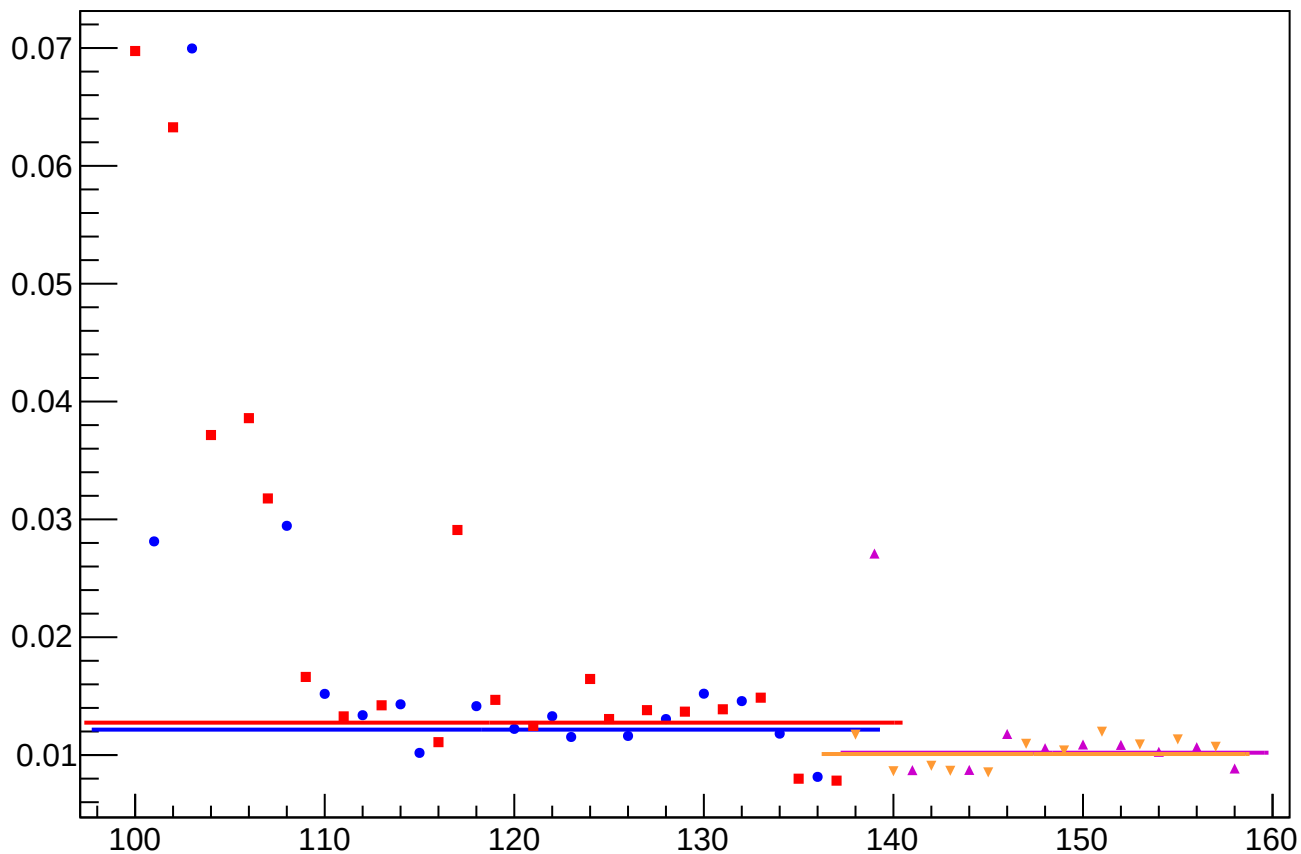
Right Out: -0.262 ± 0.000 χ^2/NDF : 1007161741.8/19

Left In: -0.434 ± 0.000 χ^2/NDF : 18967404.5/9

-0.386 ± 0.000 χ^2/NDF : 1483272003.2/27

-0.379 ± 0.000 χ^2/NDF : 1623747594.7/29

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 :199684.2/10

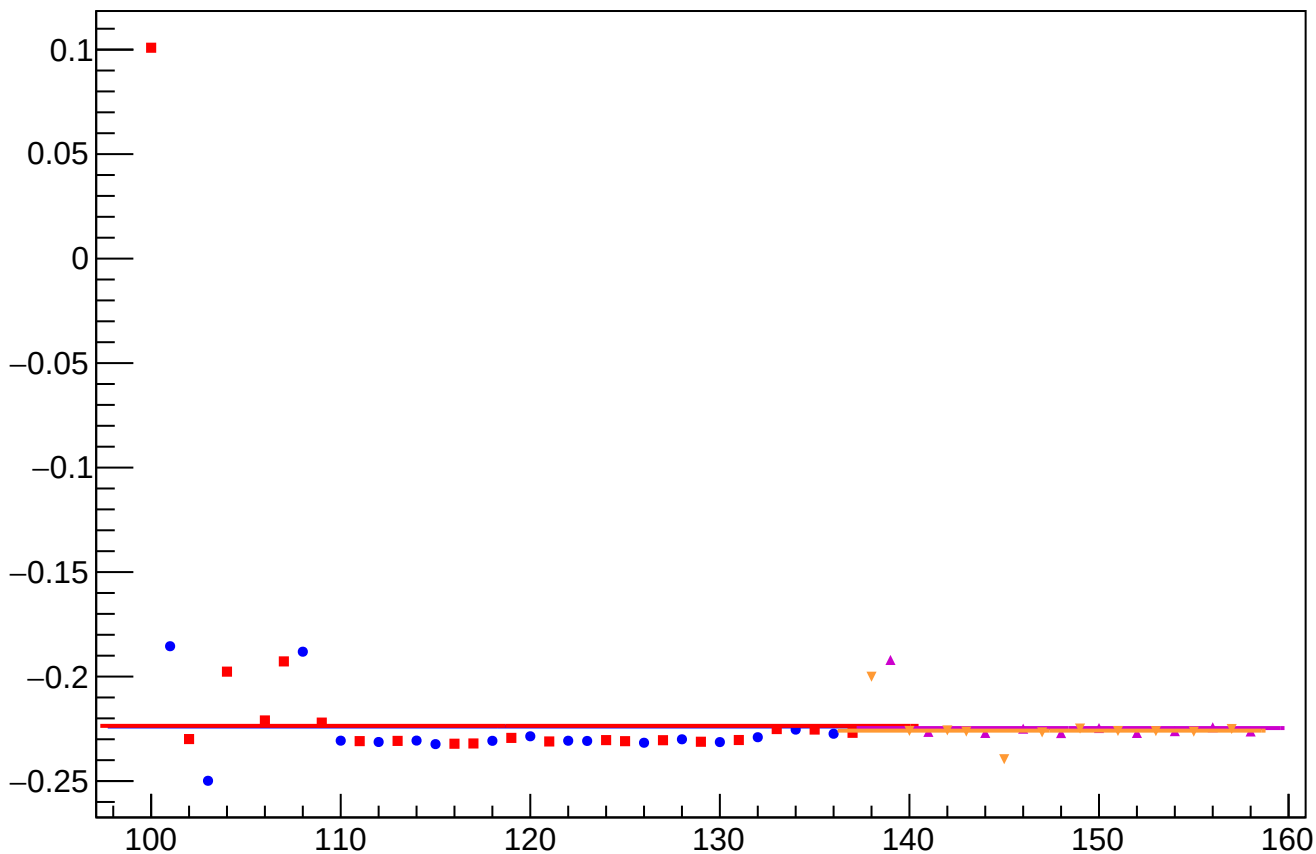
Right Out: 0.013+/-0.000 χ^2/NDF : 1991972.4/19

Left In: 0.010+/-0.000 χ^2/NDF :698809.9/9

0.011+/-0.000 χ^2/NDF : 2103203.7/27

0.011+/-0.000 χ^2/NDF : 2954971.9/29

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 : 20532808.2/10

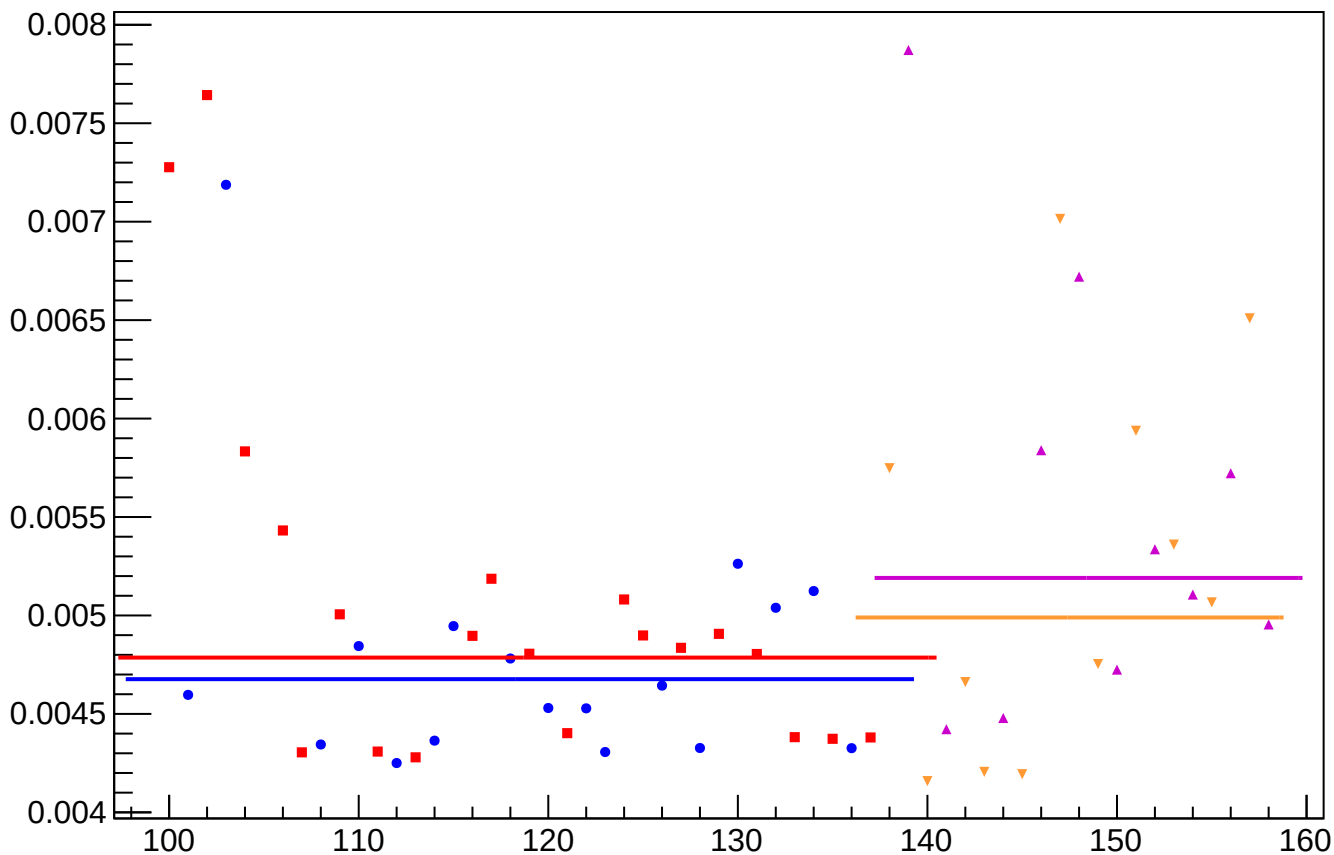
Right Out: -0.224 ± 0.000 χ^2/NDF : 168229582.1/19

Left In: -0.225 ± 0.000 χ^2/NDF : 12524576.3/9

-0.225 ± 0.000 χ^2/NDF : 95691585.0/27

-0.224 ± 0.000 χ^2/NDF : 180911062.6/29

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 : 424085.9/10

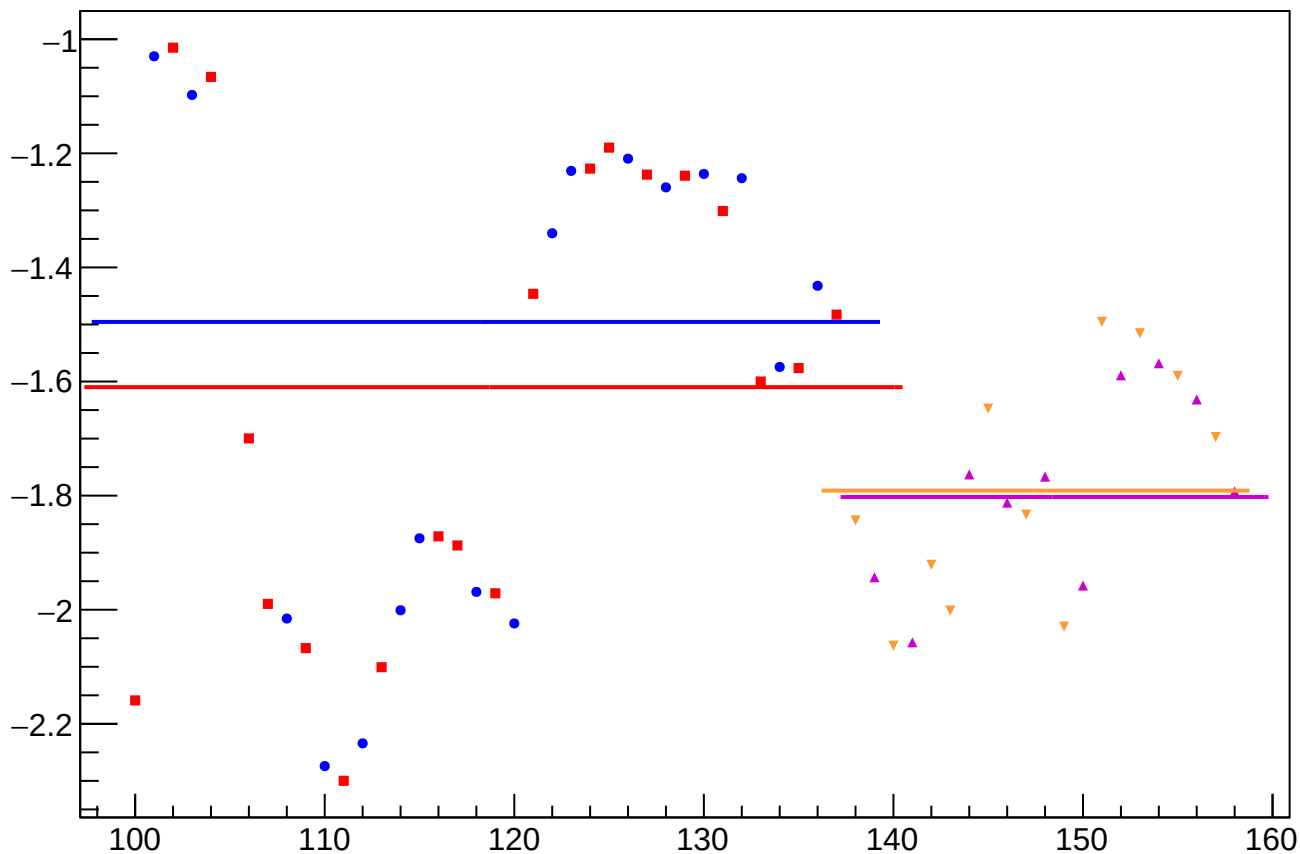
Right Out: 0.005+/-0.000 χ^2/NDF : 248745.3/19

Left In: 0.005+/-0.000 χ^2/NDF : 376804.8/9

0.005+/-0.000 χ^2/NDF : 632694.0/27

0.005+/-0.000 χ^2/NDF : 671411.2/29

yield_bpm0l01X_mean vs Slug



Right In: -1.496+/-0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.791+/-0.000 χ^2/NDF : 8684830757.8/10

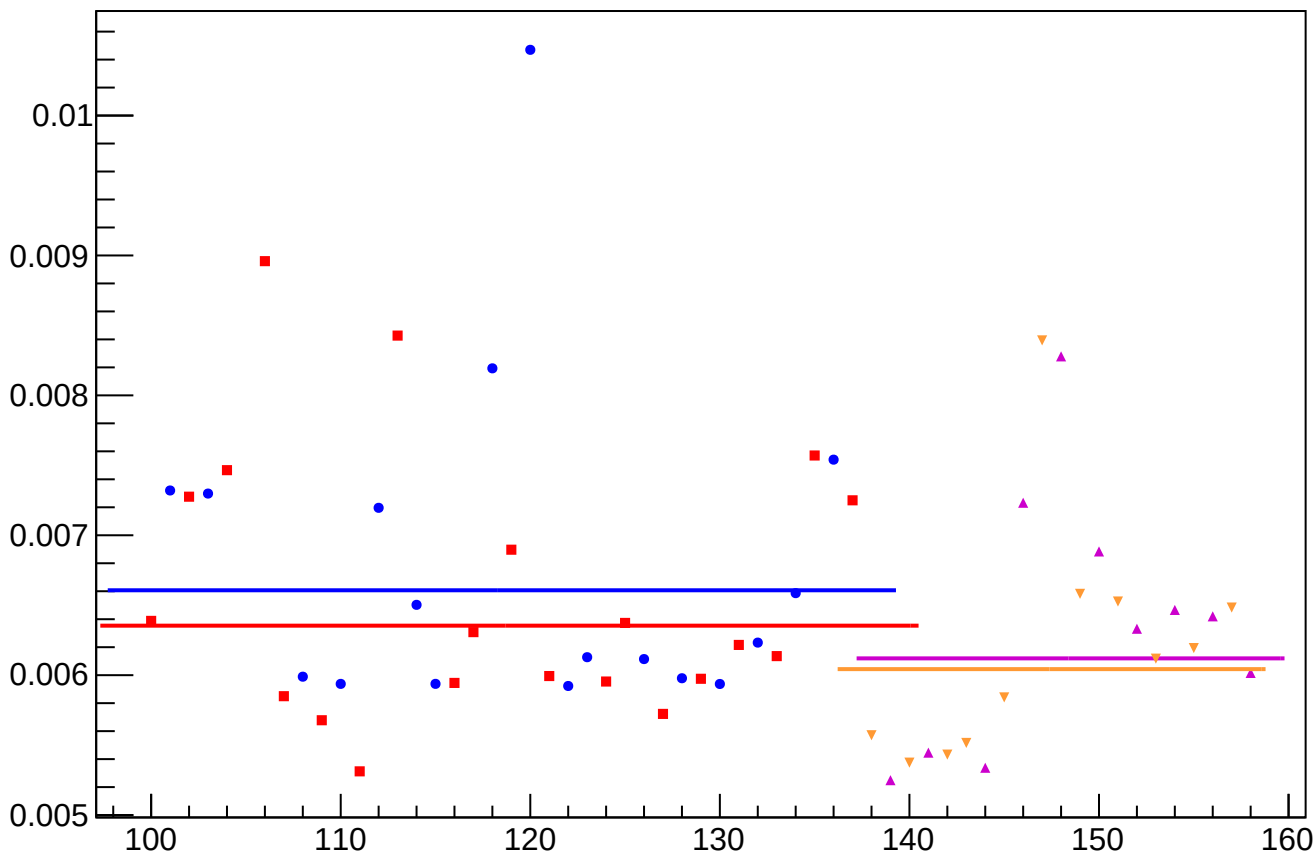
Right Out: -1.610+/-0.000 χ^2/NDF : 27936032778.6/19

Left In: -1.802+/-0.000 χ^2/NDF : 5232077946.9/9

-1.673+/-0.000 χ^2/NDF : 38470151267.9/27

-1.716+/-0.000 χ^2/NDF : 36520320057.6/29

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 :193279.3/10

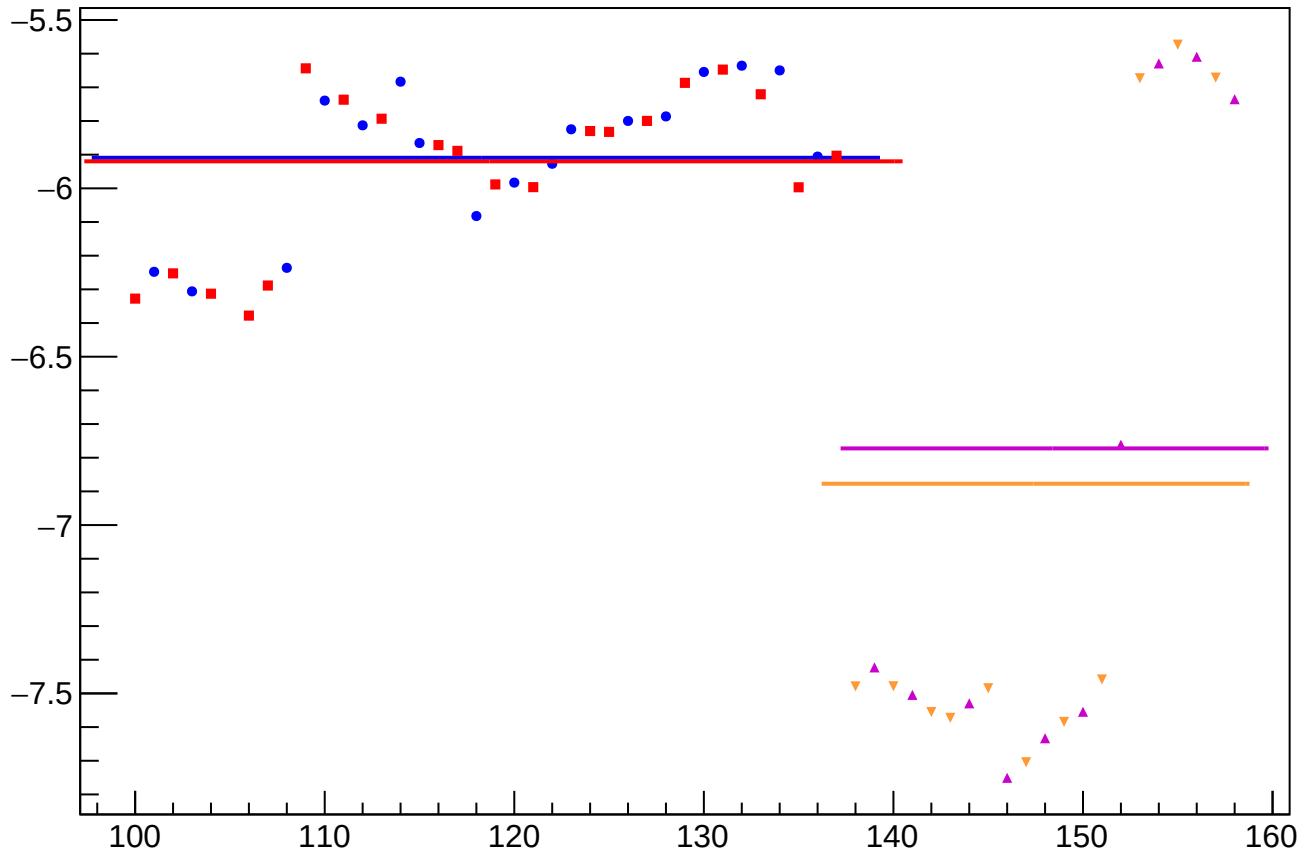
Right Out: 0.006+/-0.000 χ^2/NDF : 227292.5/19

Left In: 0.006+/-0.000 χ^2/NDF :259125.1/9

0.006+/-0.000 χ^2/NDF : 447473.7/27

0.006+/-0.000 χ^2/NDF : 496302.7/29

yield_bpm0l01Y_mean vs Slug



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -6.877+/-0.000 χ^2/NDF : 85285771357.6/10

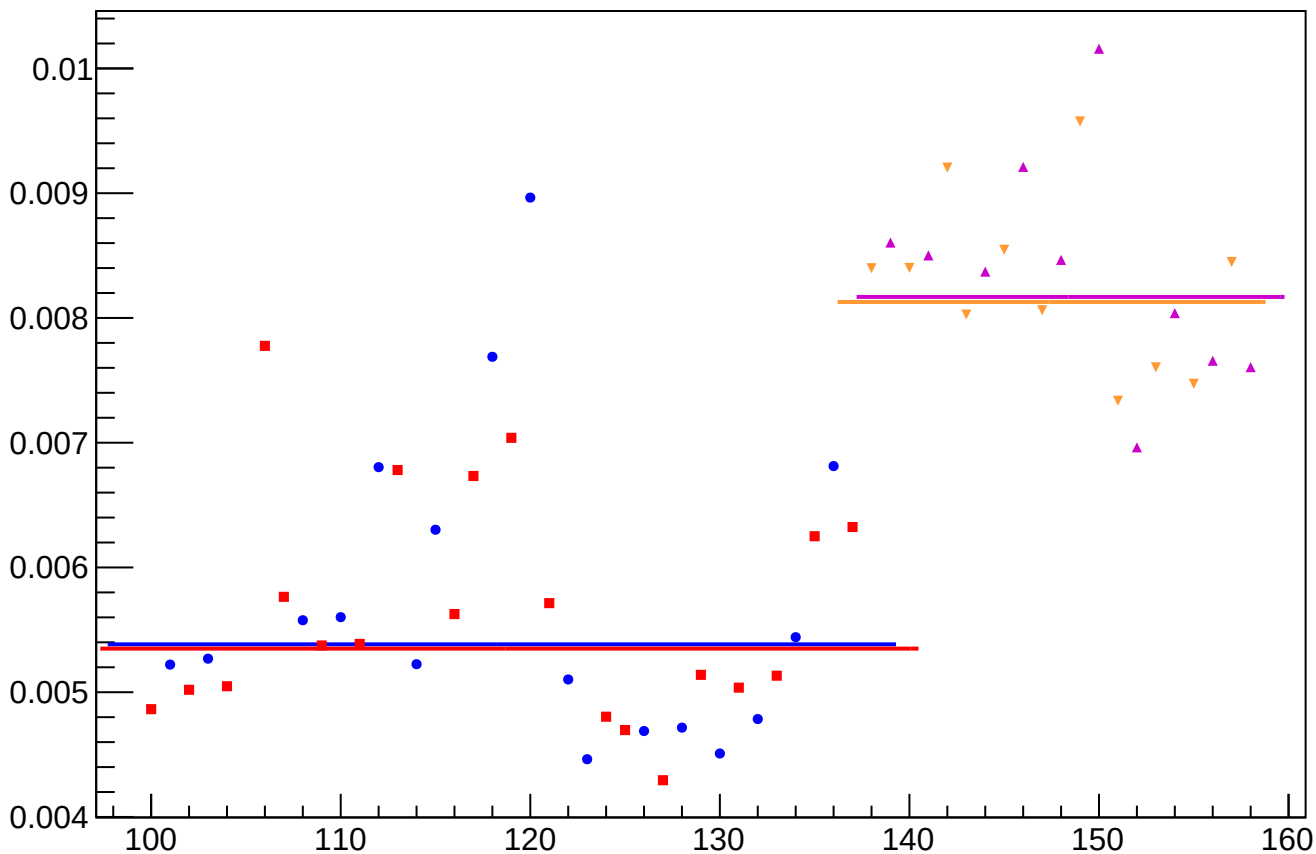
Right Out: -5.920+/-0.000 χ^2/NDF : 12786104538.4/19

Left In: -6.772+/-0.000 χ^2/NDF : 80044716605.7/9

-6.237+/-0.000 χ^2/NDF : 160628789180.7/27

-6.194+/-0.000 χ^2/NDF : 145086258958.1/29

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 :82207.5/10

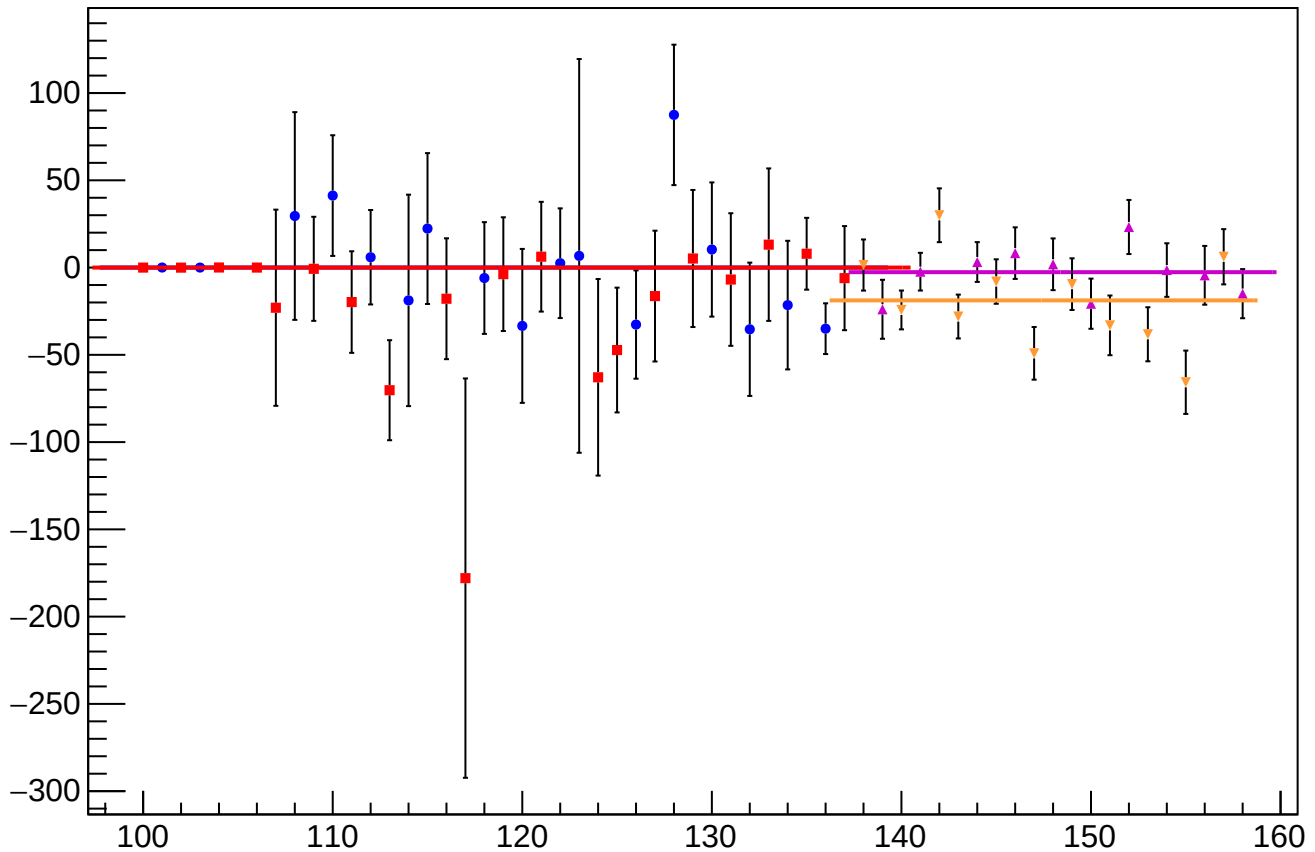
Right Out: 0.005+/-0.000 χ^2/NDF : 247999.6/19

Left In: 0.008+/-0.000 χ^2/NDF :139467.2/9

0.006+/-0.000 χ^2/NDF : 1462054.7/27

0.006+/-0.000 χ^2/NDF : 1529907.7/29

diff_cav4bX_mean vs Slug



Right In: 0.013 $\pm$ 0.017 χ^2 /NDF: 15.8/16

Left Out: -18.806 $\pm$ 4.342 χ^2 /NDF: 29.3/10

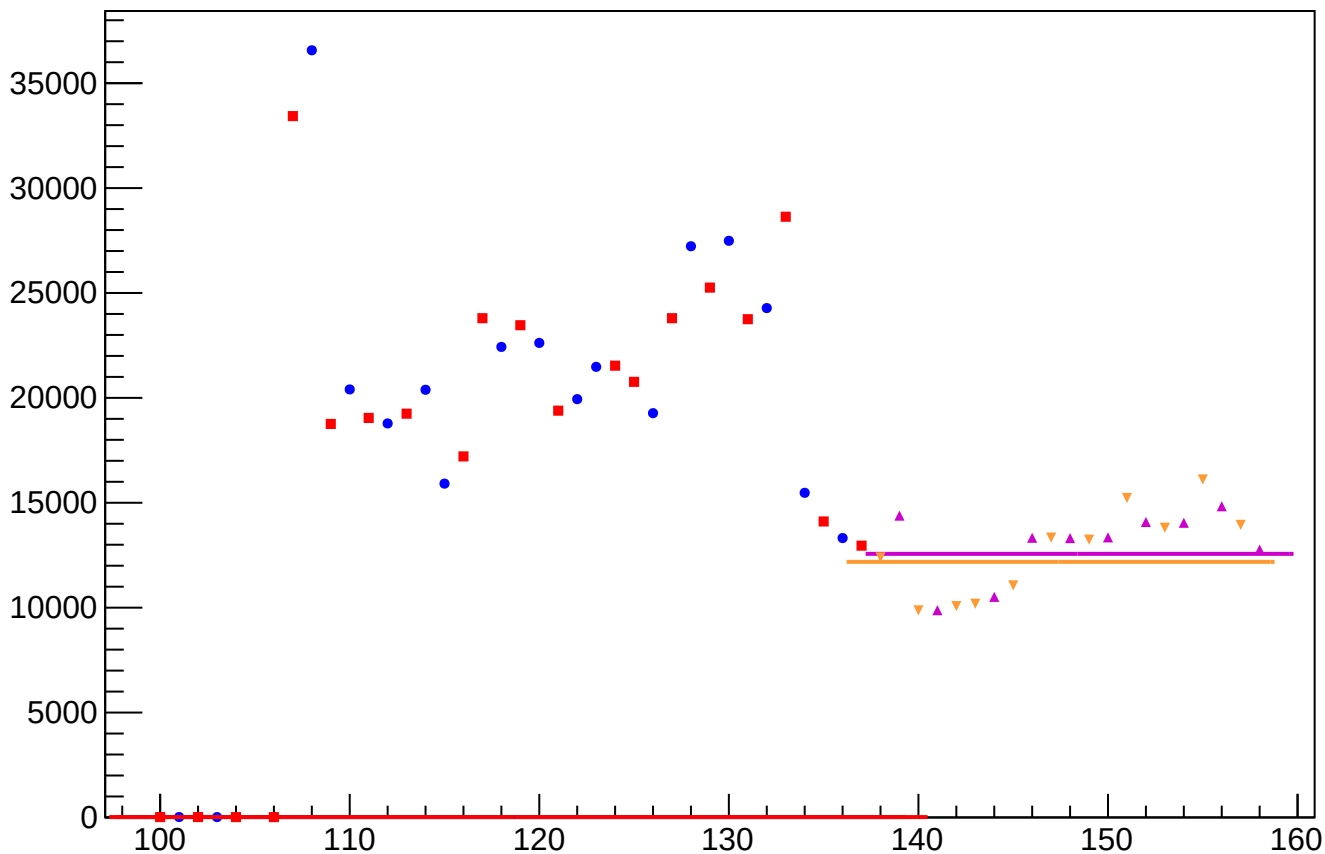
Right Out: 0.003 $\pm$ 0.016 χ^2 /NDF: 17.7/19

Left In: -2.633 $\pm$ 4.441 χ^2 /NDF: 7.6/9

0.013 $\pm$ 0.017 χ^2 /NDF: 63.9/27

0.003 $\pm$ 0.016 χ^2 /NDF: 25.7/29

diff_cav4bX_rms vs Slug



Right In: 18.641+/-0.012 χ^2/NDF : 10841561.4/16

Left Out: 12183.091+/-3.070 χ^2/NDF : 416427.8/10

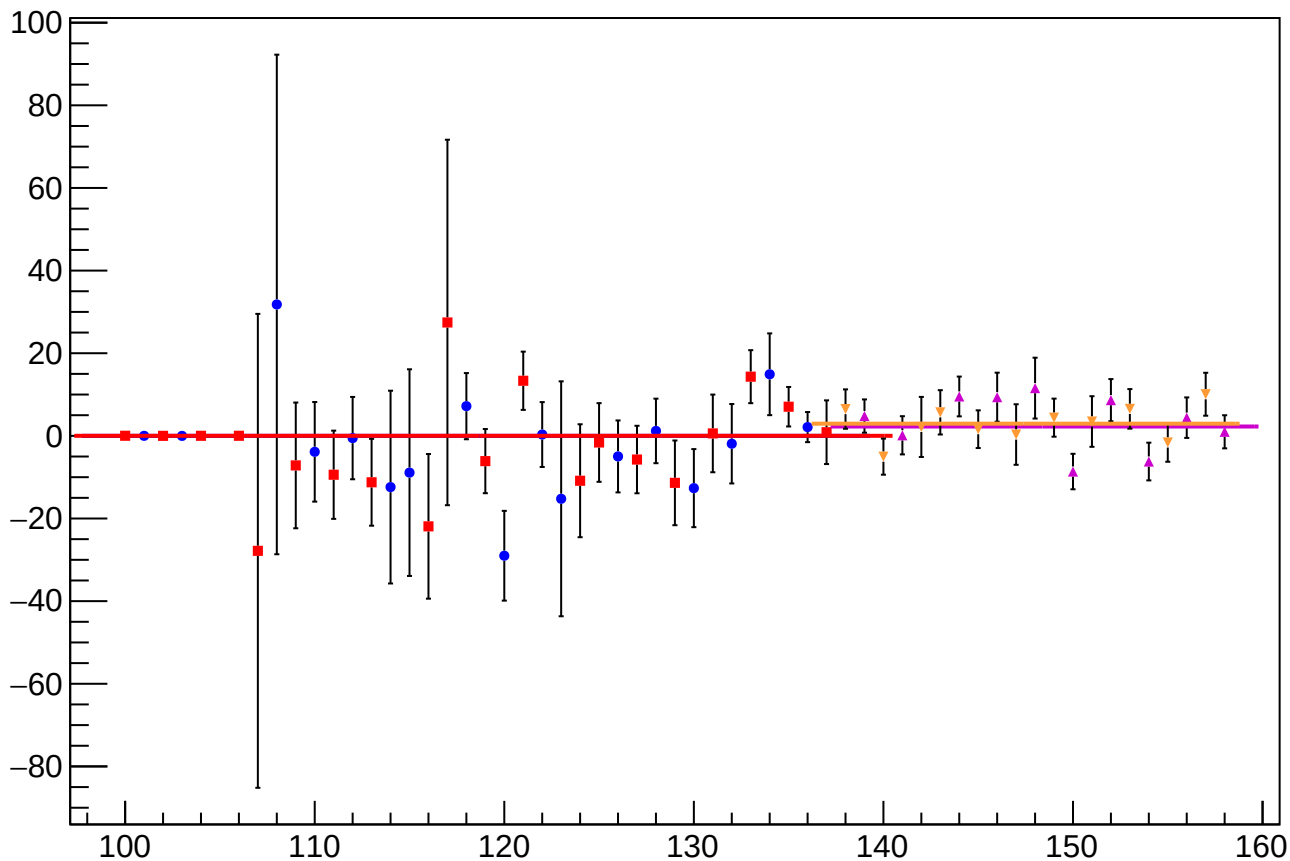
Right Out: 18.312+/-0.011 χ^2/NDF : 11189737.0/19

Left In: 12565.306+/-3.140 χ^2/NDF : 302480.5/9

18.835+/-0.012 χ^2/NDF : 26955009.8/27

18.476+/-0.011 χ^2/NDF : 27456435.7/29

diff_cav4bY_mean vs Slug



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 14.9/16

Left Out: 2.948 $\pm$ 1.549 χ^2 /NDF: 7.9/10

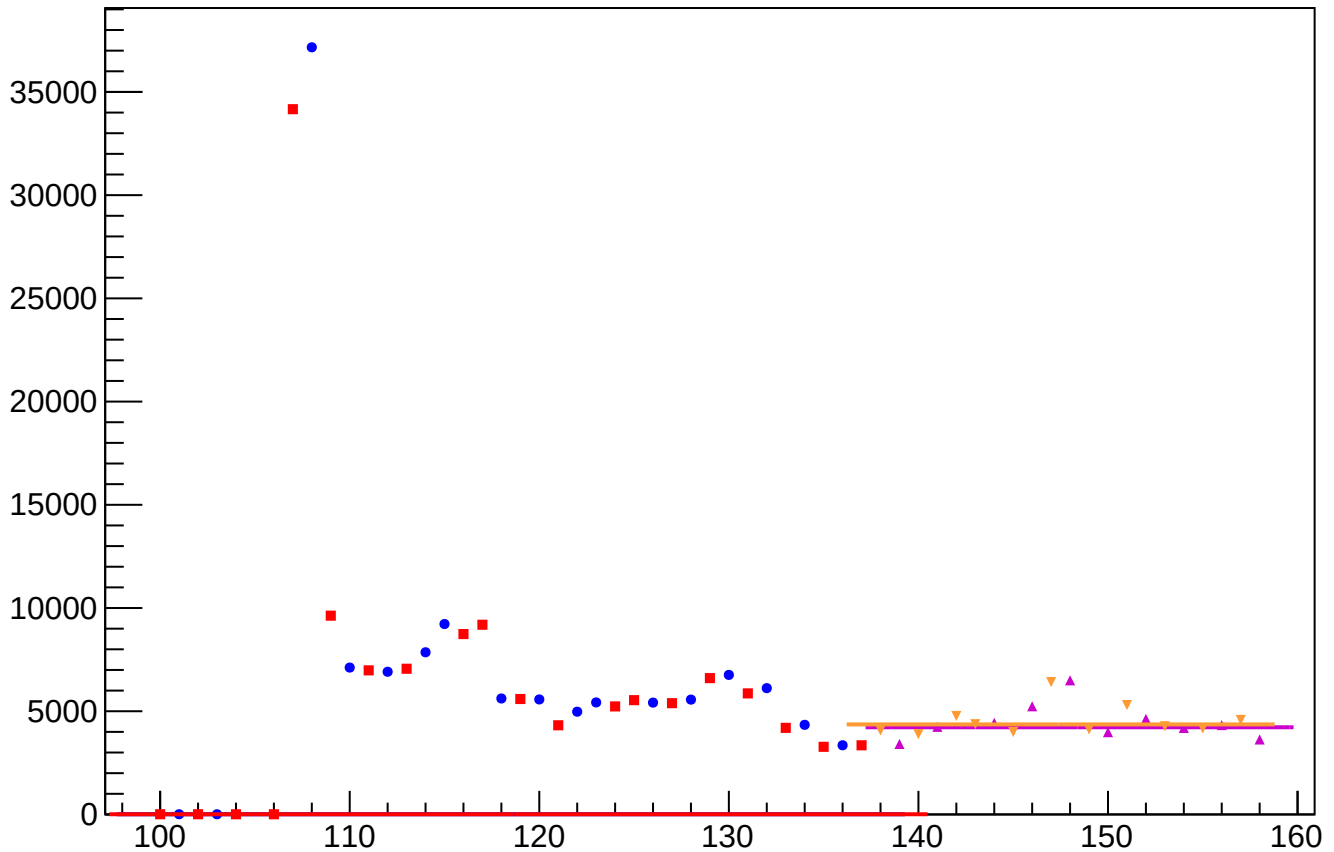
Right Out: 0.014 $\pm$ 0.009 χ^2 /NDF: 18.8/19

Left In: 2.264 $\pm$ 1.502 χ^2 /NDF: 17.7/9

0.001 $\pm$ 0.009 χ^2 /NDF: 26.4/27

0.014 $\pm$ 0.009 χ^2 /NDF: 38.7/29

diff_cav4bY_rms vs Slug



Right In: 9.938+/-0.007 χ^2/NDF : 10973577.1/16

Left Out: 4361.373+/-1.095 χ^2/NDF : 266752.3/10

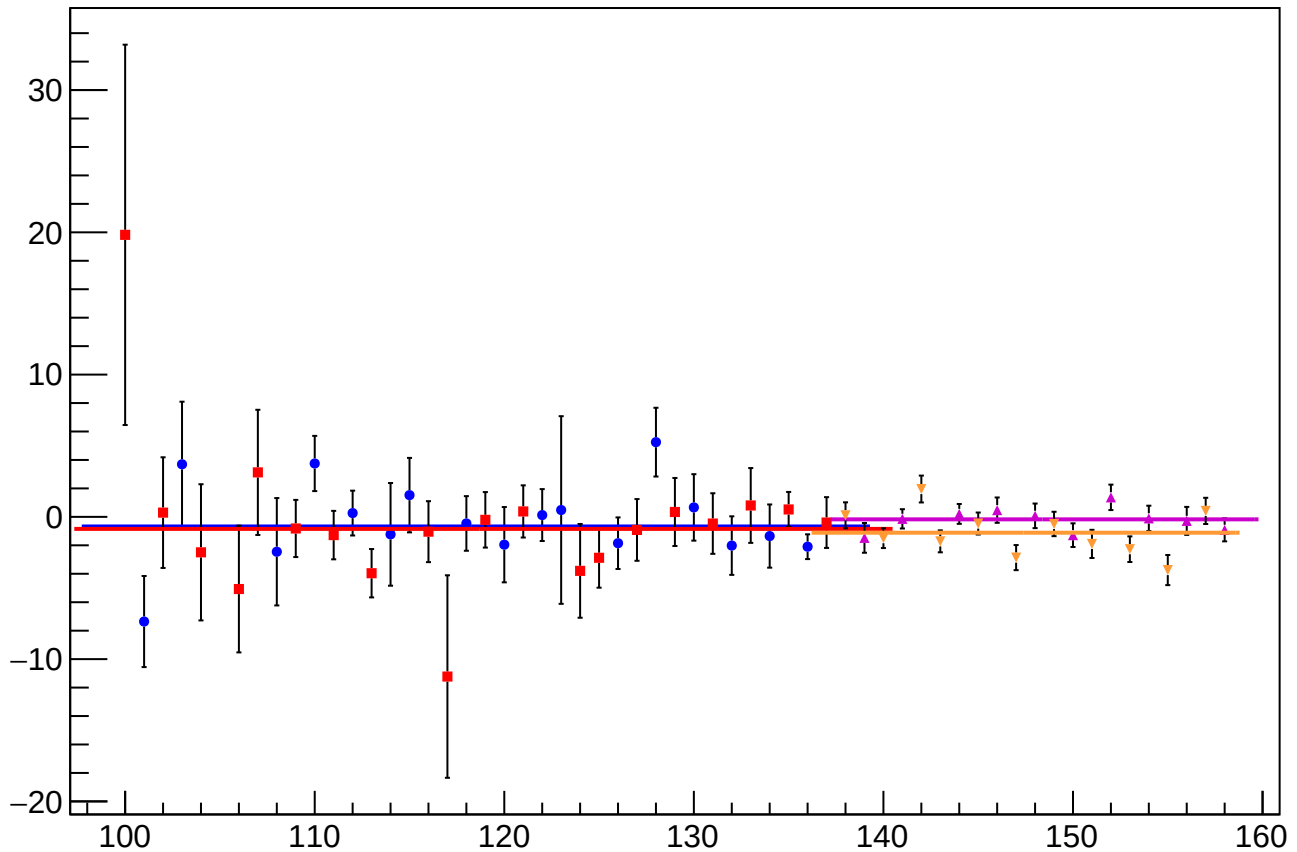
Right Out: 9.855+/-0.006 χ^2/NDF : 11238836.3/19

Left In: 4223.606+/-1.062 χ^2/NDF : 397639.7/9

10.092+/-0.007 χ^2/NDF : 27032520.5/27

9.994+/-0.006 χ^2/NDF : 27376942.2/29

diff_cav4cX_mean vs Slug



Right In: -0.677 ± 0.484 χ^2/NDF : 22.3/16

Left Out: -1.114 ± 0.261 χ^2/NDF : 29.6/10

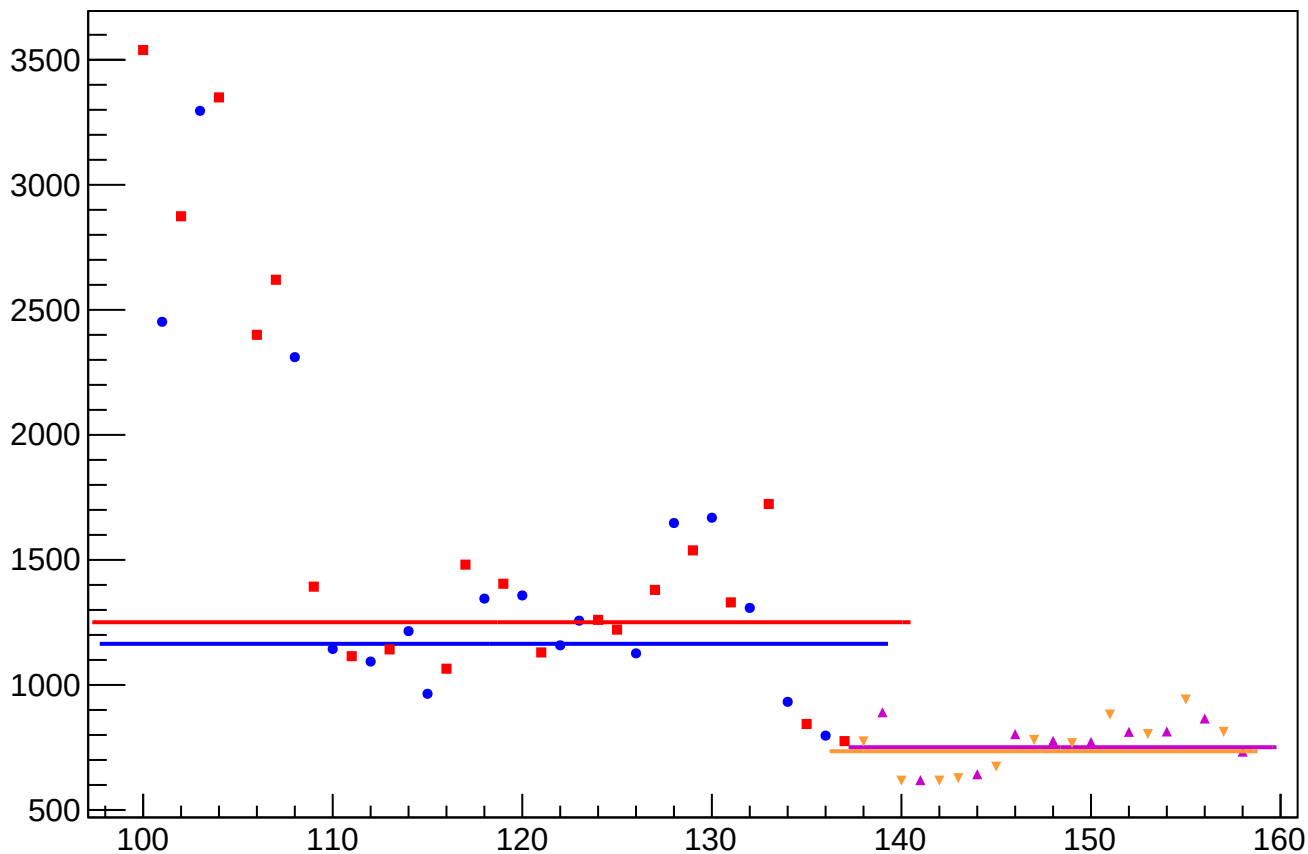
Right Out: -0.846 ± 0.500 χ^2/NDF : 14.1/19

Left In: -0.175 ± 0.265 χ^2/NDF : 8.1/9

-1.015 ± 0.230 χ^2/NDF : 52.5/27

-0.322 ± 0.234 χ^2/NDF : 23.6/29

diff_cav4cX_rms vs Slug



Right In: 1164.459 $\pm$ 0.342 χ^2 /NDF: 1584212.9/16

Left Out: 734.808 $\pm$ 0.184 χ^2 /NDF: 297287.9/10

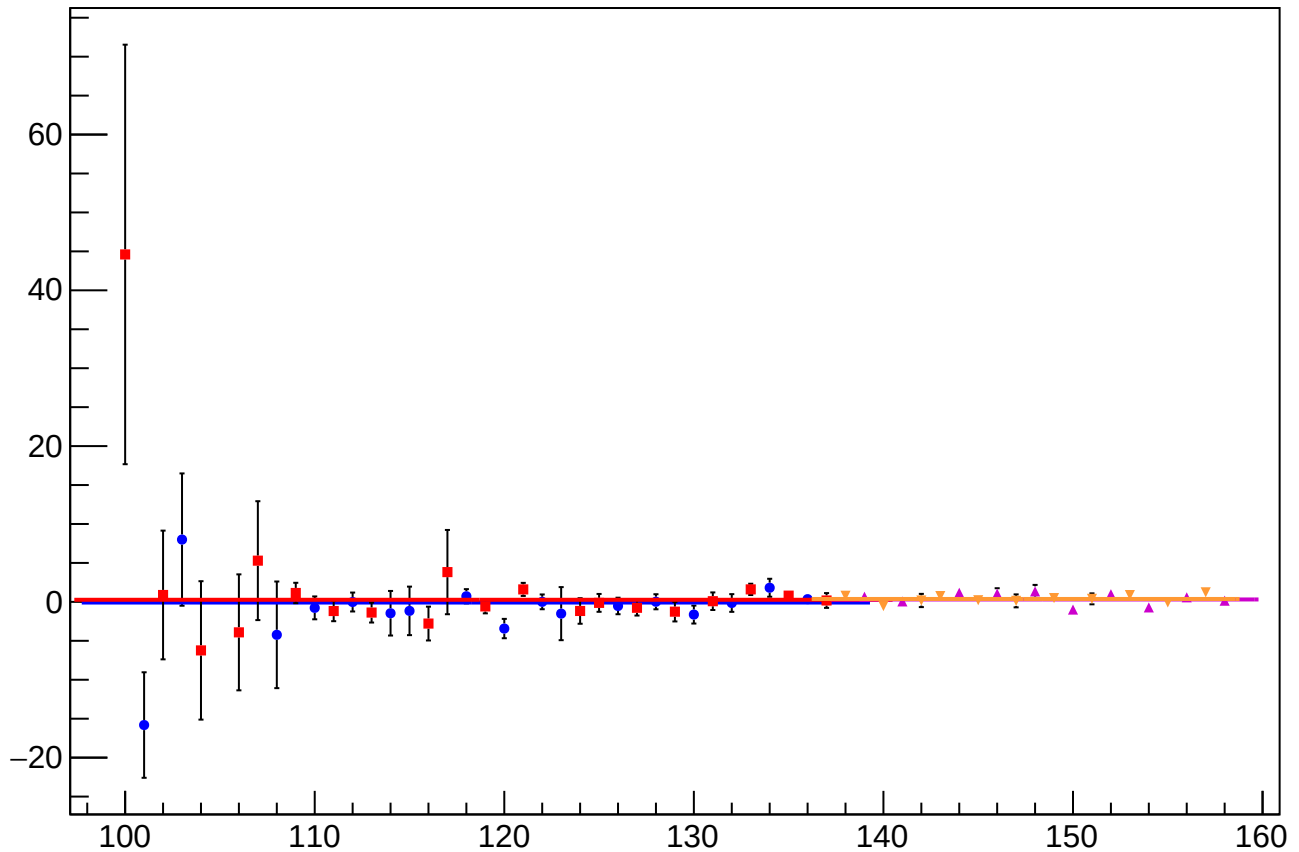
Right Out: 1250.738 $\pm$ 0.354 χ^2 /NDF: 1652238.9/19

Left In: 750.893 $\pm$ 0.187 χ^2 /NDF: 217087.4/9

831.416 $\pm$ 0.162 χ^2 /NDF: 3102481.4/27

860.219 $\pm$ 0.165 χ^2 /NDF: 3430593.2/29

diff_cav4cY_mean vs Slug



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

Left Out: 0.373 ± 0.184 χ^2/NDF : 7.5/10

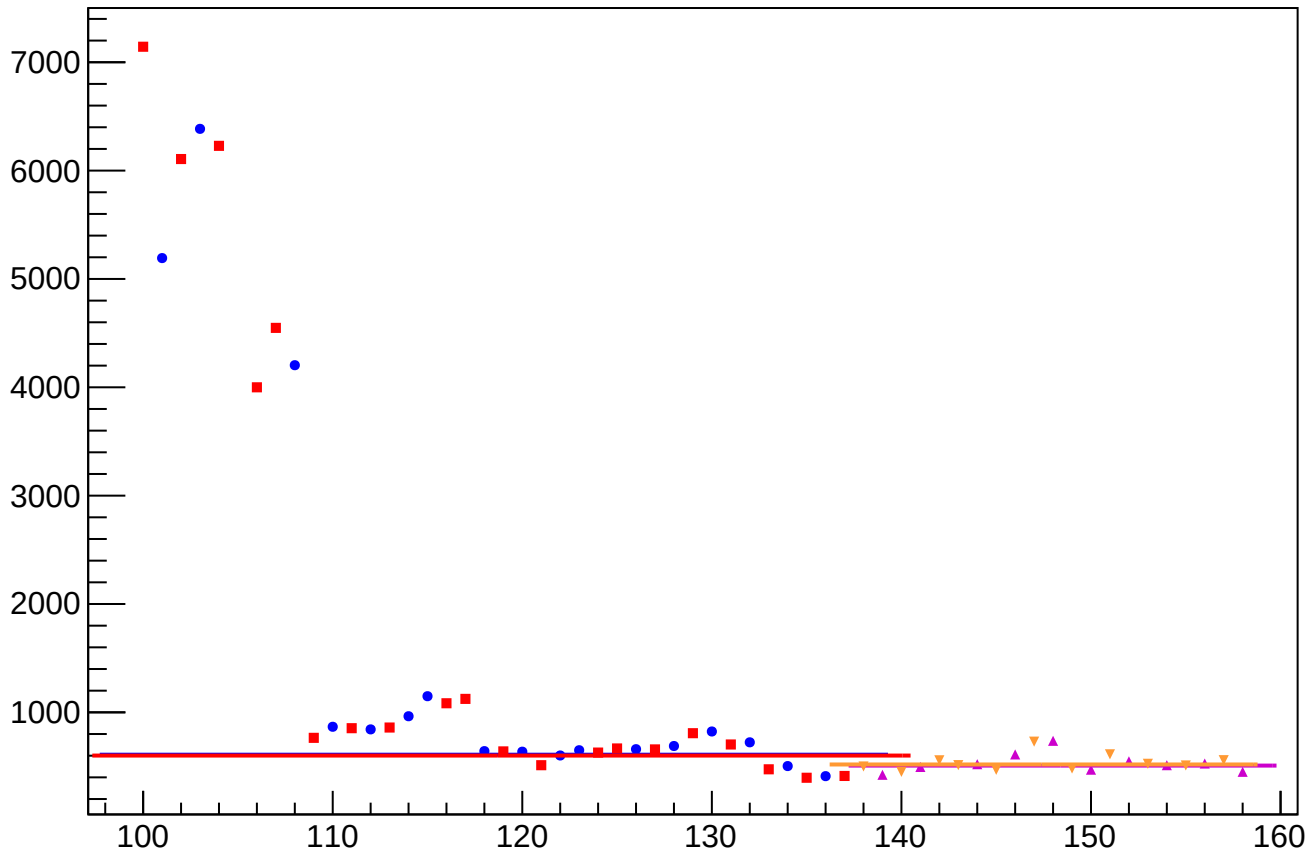
Right Out: 0.268 ± 0.264 χ^2/NDF : 20.9/19

Left In: 0.308 ± 0.180 χ^2/NDF : 17.2/9

0.227 ± 0.152 χ^2/NDF : 30.6/27

0.295 ± 0.149 χ^2/NDF : 38.1/29

diff_cav4cY_rms vs Slug



Right In: 609.016+/-0.191 χ^2/NDF : 3139231.5/16

Left Out: 518.840+/-0.130 χ^2/NDF : 241368.1/10

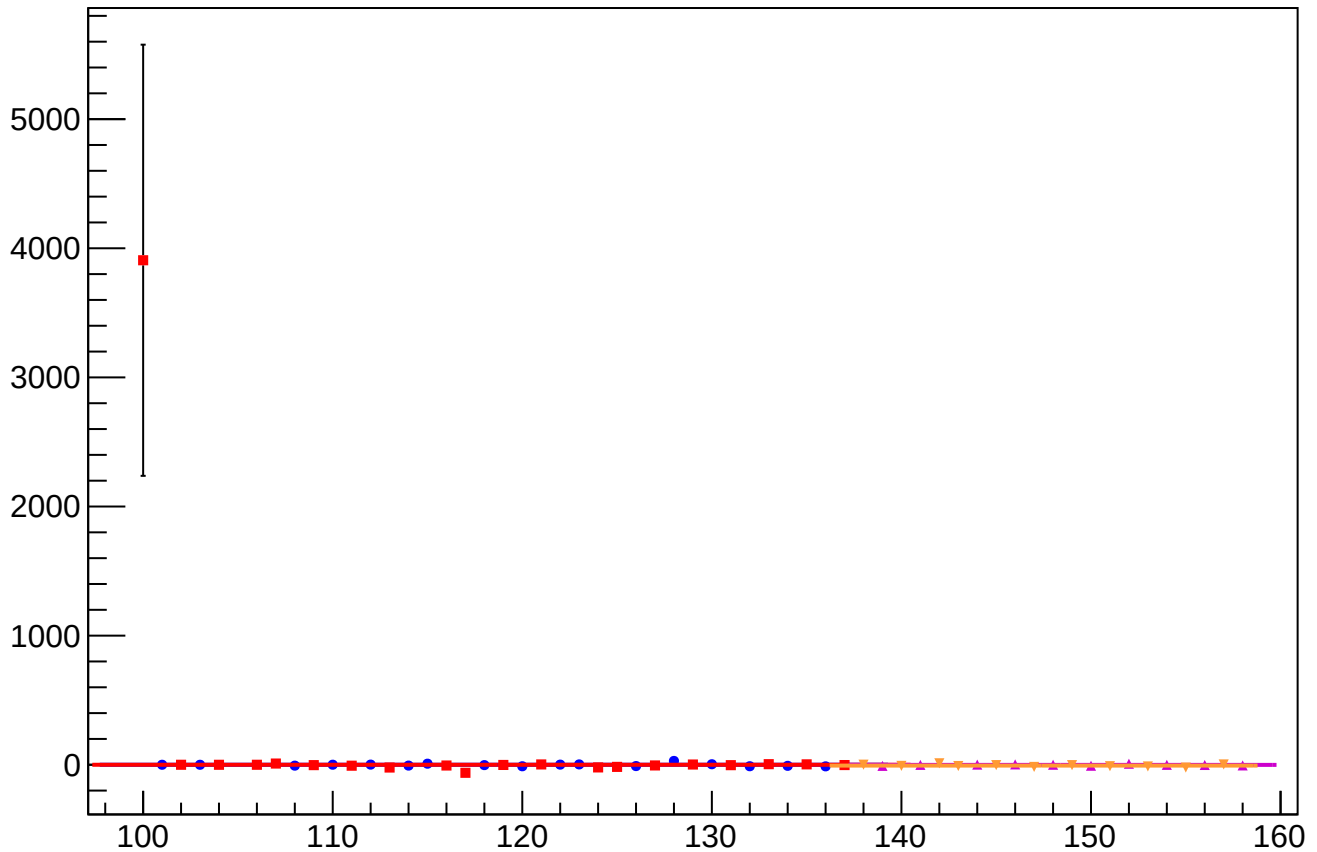
547.400+/-0.108 χ^2/NDF : 3532860.8/27

Right Out: 601.159+/-0.187 χ^2/NDF : 3566339.5/19

538.004+/-0.105 χ^2/NDF : 4037214.5/29

Left In: 508.577+/-0.127 χ^2/NDF : 303116.1/9

diff_cav4dX_mean vs Slug



Right In: -0.022+/-0.021 χ^2/NDF : 15.3/16

Left Out: -6.422+/-1.515 χ^2/NDF : 29.6/10

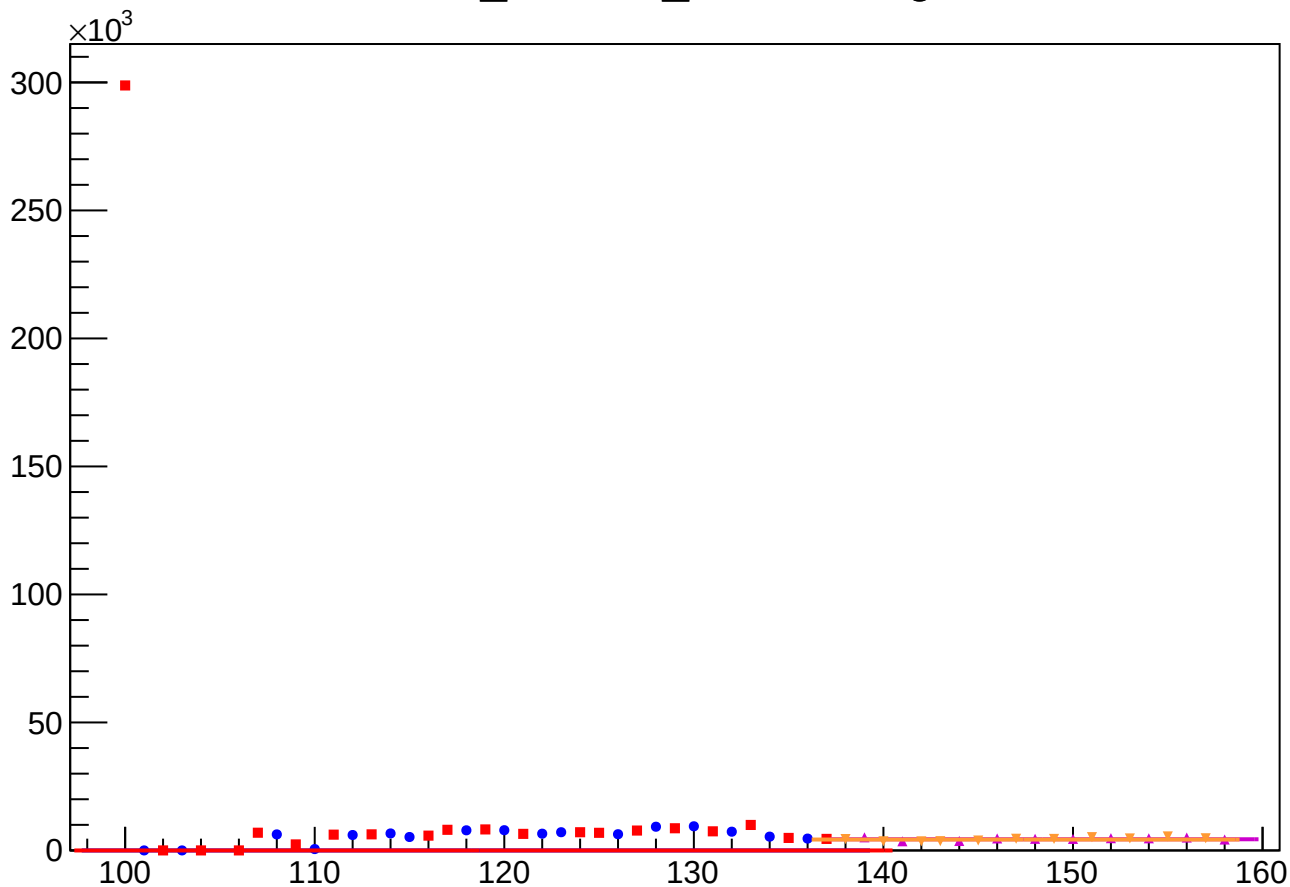
Right Out: -0.027+/-0.020 χ^2/NDF : 19.8/19

Left In: -0.993+/-1.541 χ^2/NDF : 8.0/9

-0.023+/-0.021 χ^2/NDF : 62.8/27

-0.027+/-0.020 χ^2/NDF : 28.2/29

diff_cav4dX_rms vs Slug



Right In: 17.337 $\pm$ 0.015 χ^2 /NDF: 10359409.4/16

Left Out: 4266.159 $\pm$ 1.071 χ^2 /NDF: 320613.7/10

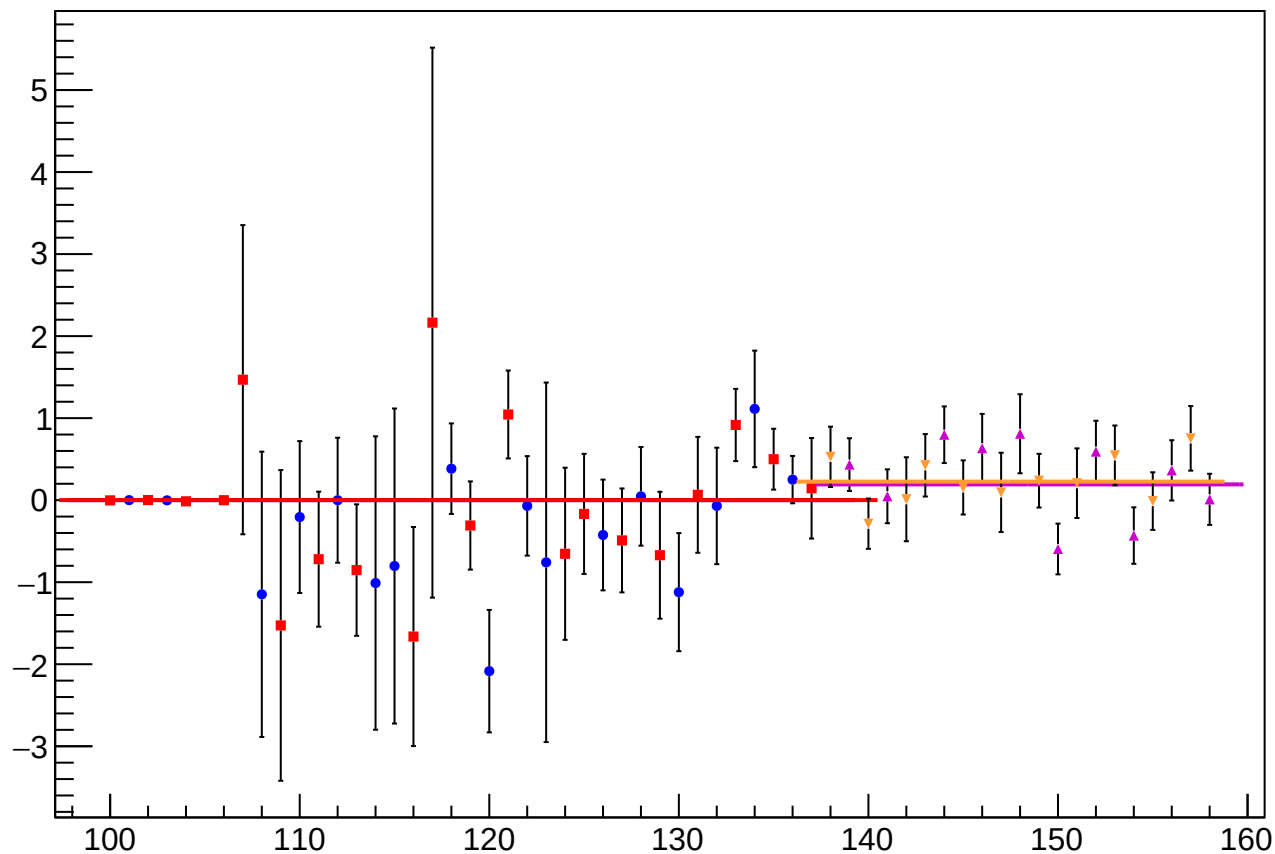
Right Out: 17.270 $\pm$ 0.014 χ^2 /NDF: 10899577.1/19

Left In: 4371.845 $\pm$ 1.090 χ^2 /NDF: 229433.7/9

18.137 $\pm$ 0.015 χ^2 /NDF: 26404389.3/27

17.987 $\pm$ 0.014 χ^2 /NDF: 27095900.5/29

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 15.6/16

Left Out: 0.226 $\pm$ 0.112 χ^2 /NDF: 7.1/10

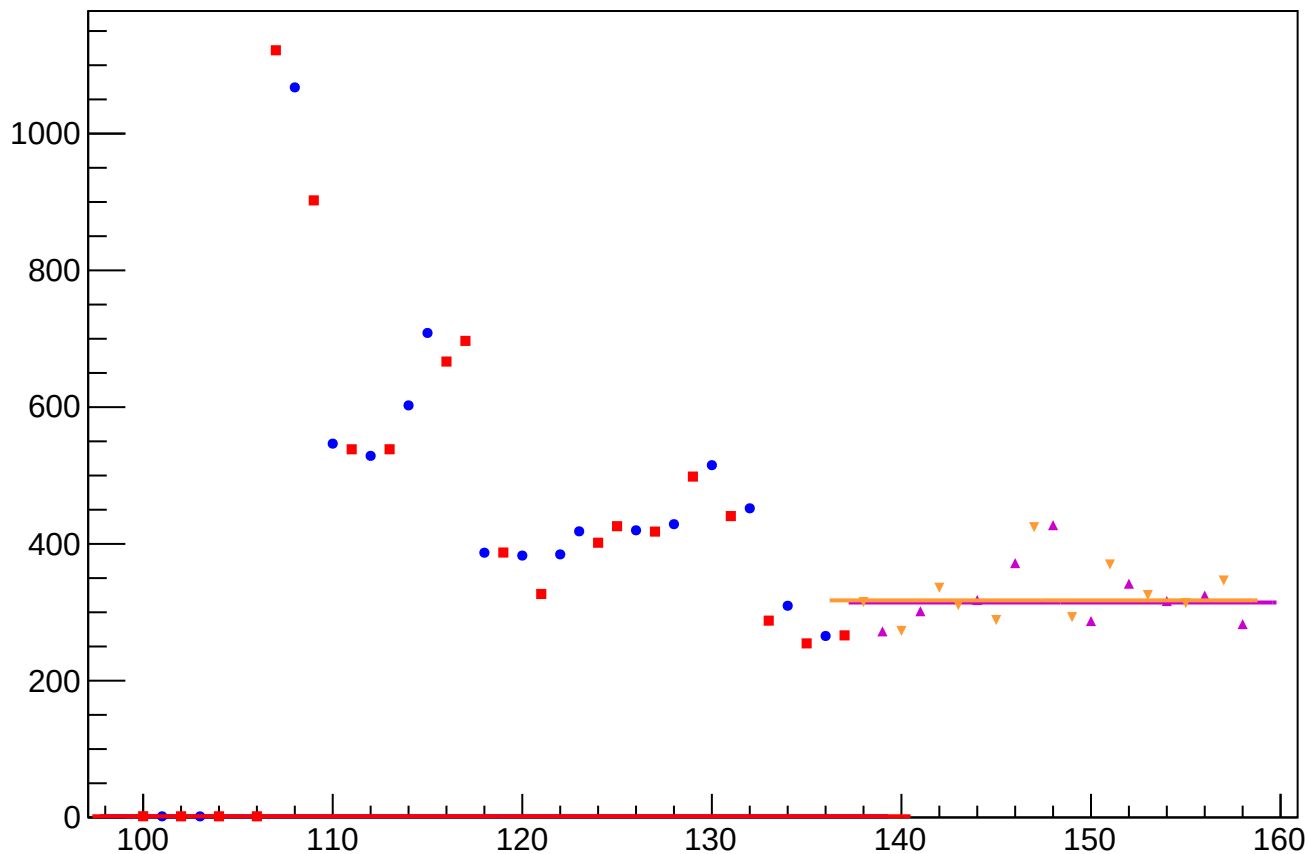
Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 18.2/19

Left In: 0.192 $\pm$ 0.111 χ^2 /NDF: 18.0/9

0.000 $\pm$ 0.002 χ^2 /NDF: 26.7/27

0.001 $\pm$ 0.002 χ^2 /NDF: 39.2/29

diff_cav4dY_rms vs Slug



Right In: 1.698+/-0.001 χ^2/NDF : 10911617.0/16

Left Out: 317.428+/-0.079 χ^2/NDF : 212985.6/10

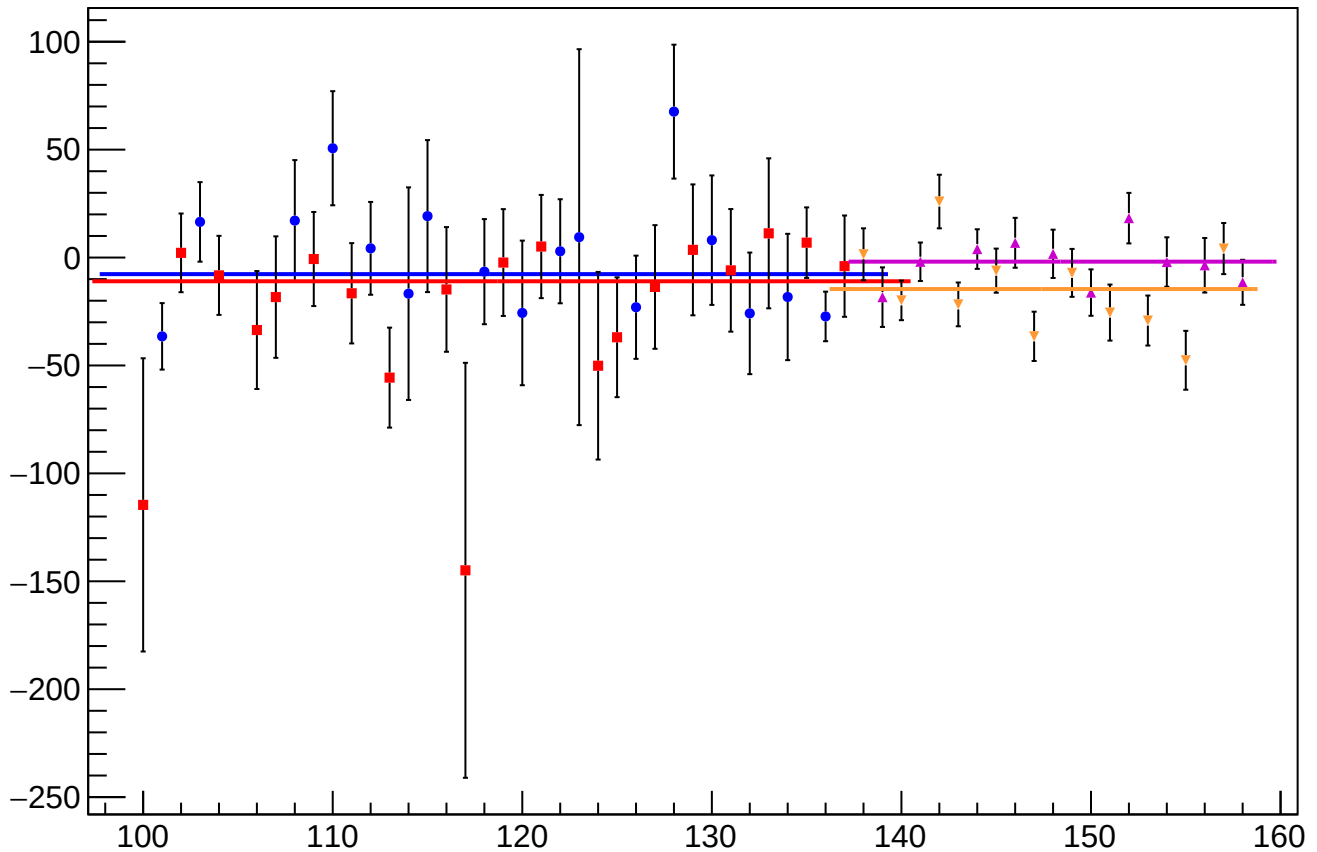
Right Out: 1.729+/-0.001 χ^2/NDF : 10822679.1/19

Left In: 314.338+/-0.079 χ^2/NDF : 233960.6/9

1.801+/-0.001 χ^2/NDF : 26903505.9/27

1.824+/-0.001 χ^2/NDF : 26888672.9/29

diff_bpm4aX_mean vs Slug



Right In: -7.683 ± 5.627 χ^2/NDF : 22.4/16

Left Out: -14.591 ± 3.404 χ^2/NDF : 28.8/10

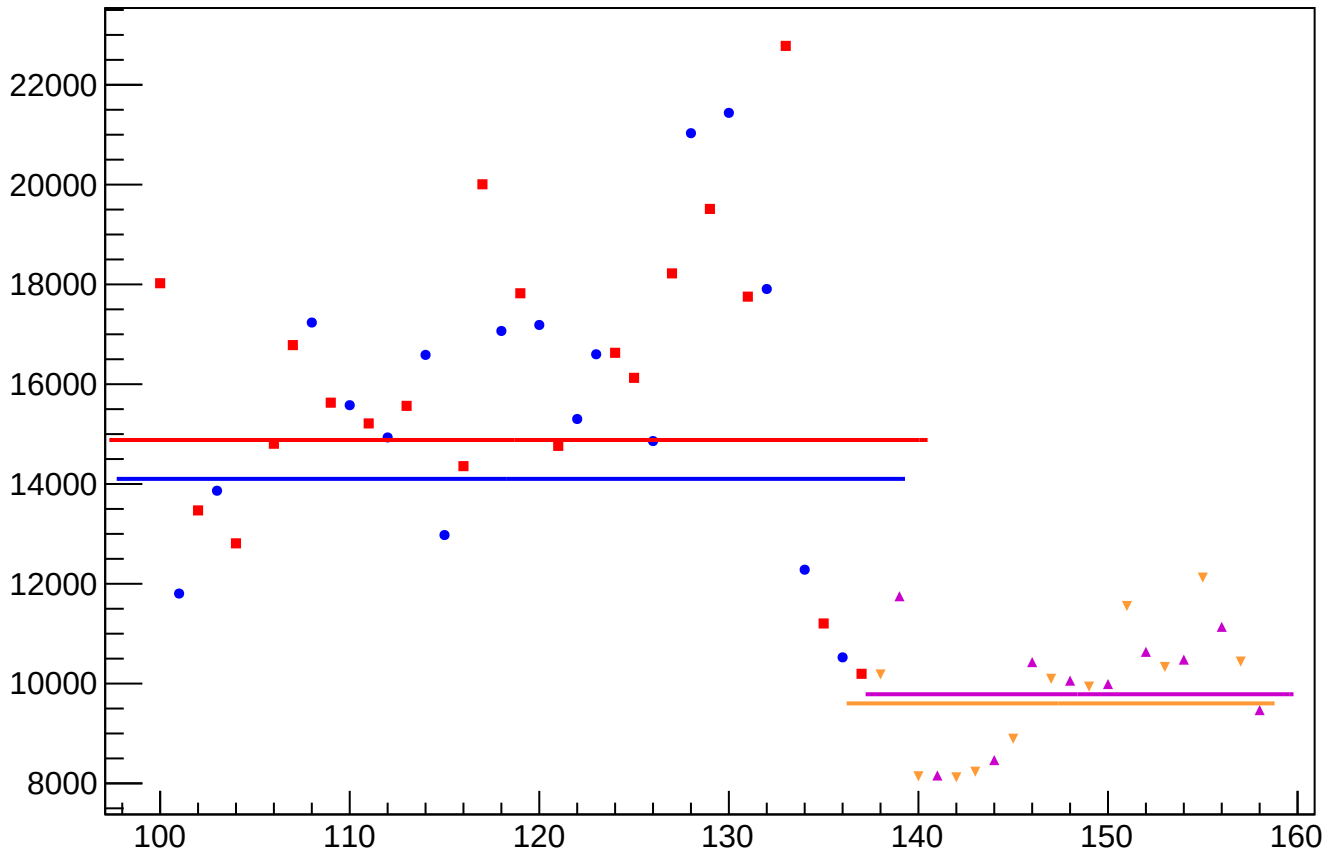
Right Out: -10.992 ± 5.672 χ^2/NDF : 13.8/19

Left In: -1.898 ± 3.447 χ^2/NDF : 8.1/9

-12.740 ± 2.913 χ^2/NDF : 52.2/27

-4.350 ± 2.945 χ^2/NDF : 23.8/29

diff_bpm4aX_rms vs Slug



Right In: 14102.522+/-3.979 χ^2/NDF : 598934.8/16

Left Out: 9602.822+/-2.407 χ^2/NDF : 267014.7/10

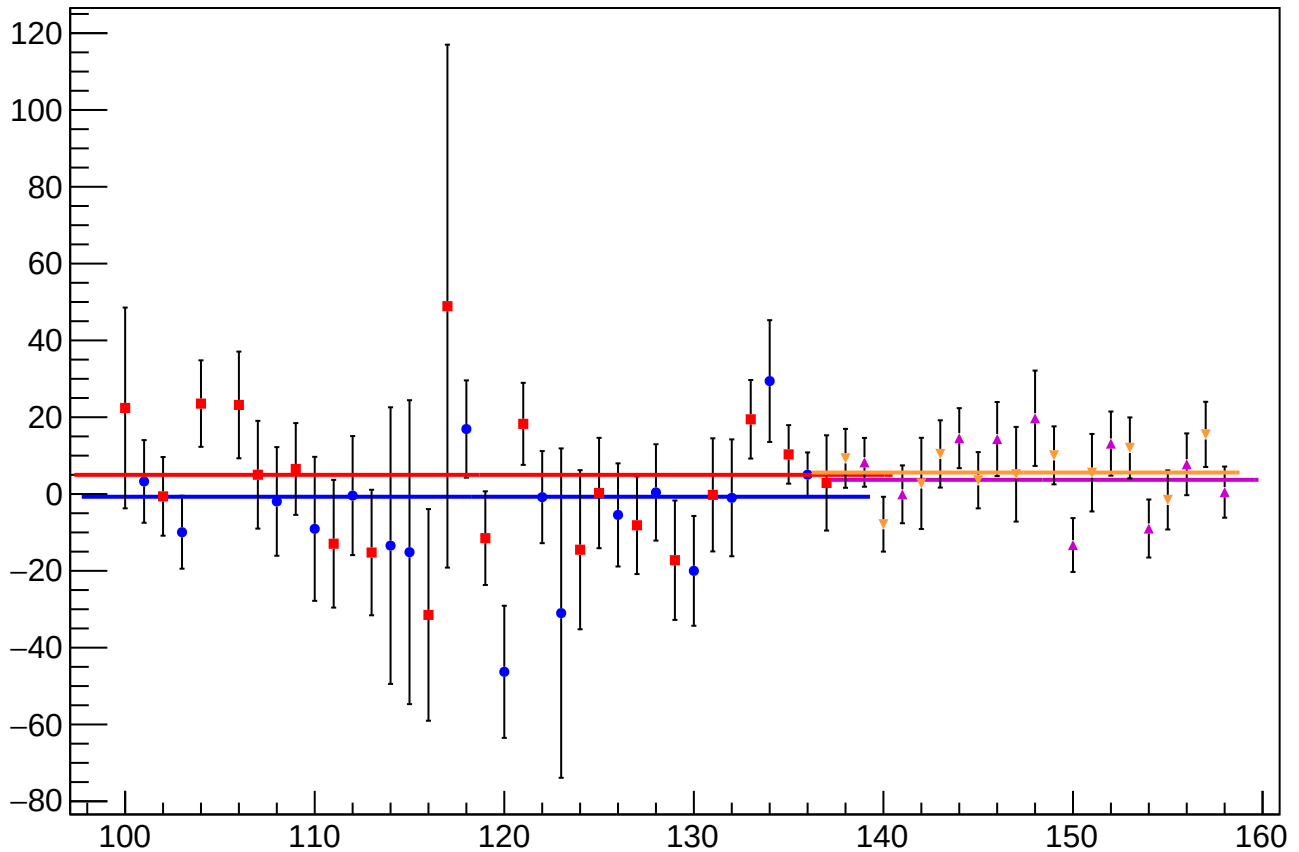
Right Out: 14882.066+/-4.011 χ^2/NDF : 475983.1/19

Left In: 9786.260+/-2.437 χ^2/NDF : 199238.1/9

10808.469+/-2.060 χ^2/NDF : 1802126.0/27

11160.264+/-2.083 χ^2/NDF : 1854104.3/29

diff_bpm4aY_mean vs Slug



Right In: -0.708 ± 3.084 $\chi^2/\text{NDF}: 17.6/16$

Left Out: 5.594 ± 2.532 $\chi^2/\text{NDF}: 7.5/10$

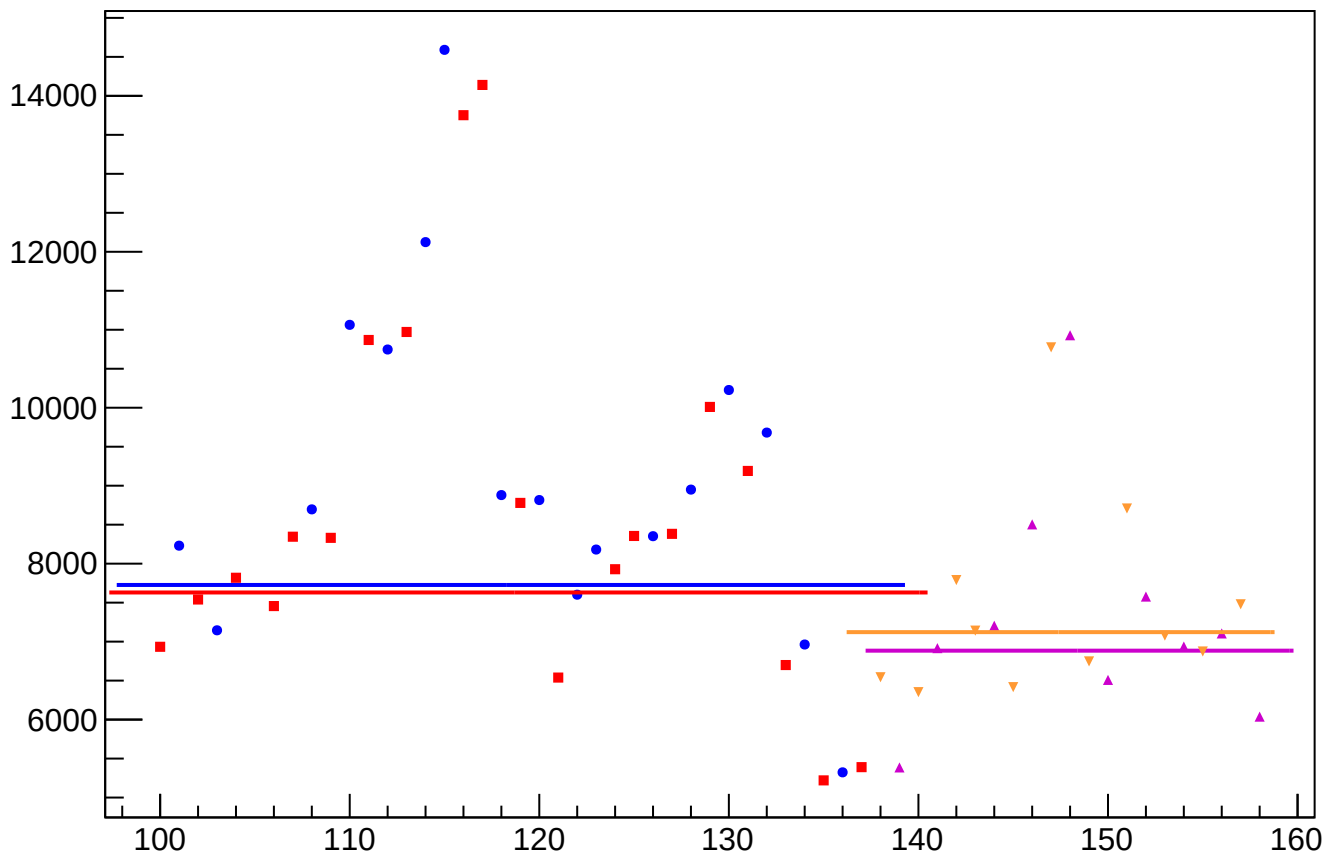
Right Out: 5.000 ± 2.937 $\chi^2/\text{NDF}: 20.2/19$

Left In: 3.703 ± 2.453 $\chi^2/\text{NDF}: 16.0/9$

3.056 ± 1.957 $\chi^2/\text{NDF}: 27.5/27$

4.236 ± 1.882 $\chi^2/\text{NDF}: 36.3/29$

diff_bpm4aY_rms vs Slug



Right In: 7726.745 $\pm$ 2.180 χ^2 /NDF: 742512.8/16

Left Out: 7121.709 $\pm$ 1.791 χ^2 /NDF:295188.2/10

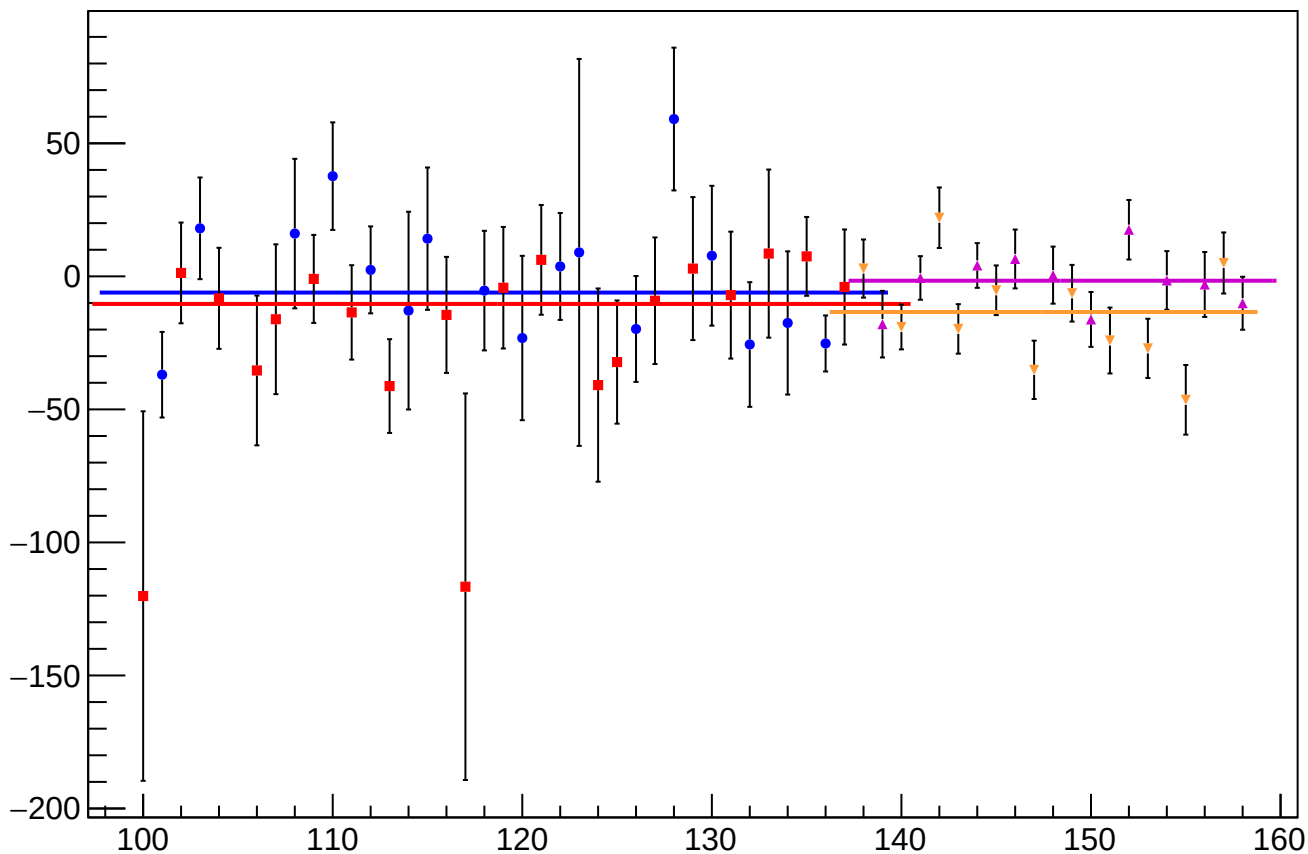
Right Out: 7630.342 $\pm$ 2.077 χ^2 /NDF: 693444.5/19

Left In: 6883.999 $\pm$ 1.734 χ^2 /NDF:436865.2/9

7365.398 $\pm$ 1.384 χ^2 /NDF: 1083689.0/27

7190.640 $\pm$ 1.331 χ^2 /NDF: 1206408.3/29

diff_bpm4eX_mean vs Slug



Right In: -6.092 ± 5.034 χ^2/NDF : 22.9/16

Left Out: -13.398 ± 3.187 χ^2/NDF : 29.2/10

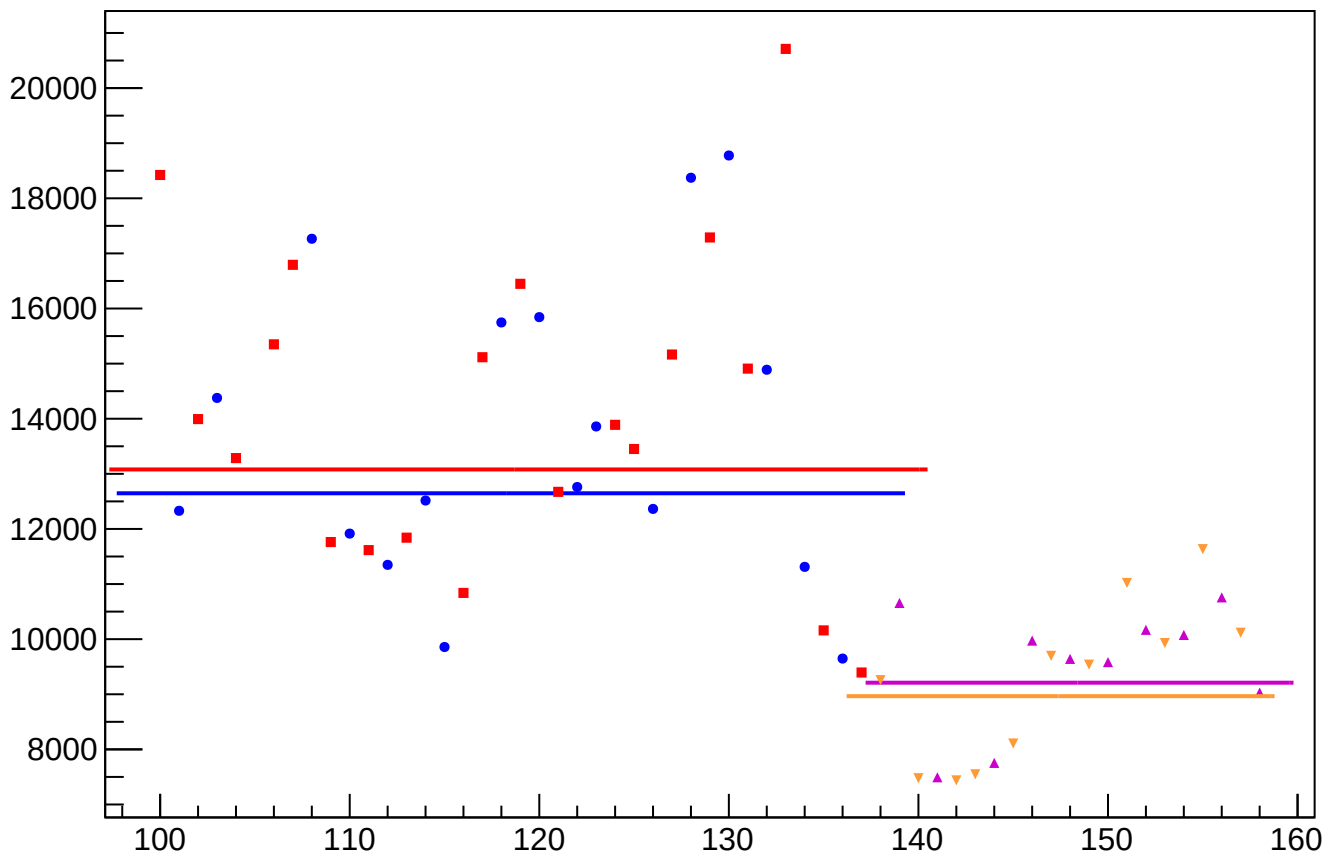
Right Out: -10.369 ± 4.992 χ^2/NDF : 13.8/19

Left In: -1.643 ± 3.248 χ^2/NDF : 8.4/9

-11.307 ± 2.693 χ^2/NDF : 53.6/27

-4.239 ± 2.723 χ^2/NDF : 24.4/29

diff_bpm4eX_rms vs Slug



Right In: 12647.257+/-3.559 χ^2/NDF : 554320.4/16

Left Out: 8965.555+/-2.254 χ^2/NDF : 351441.8/10

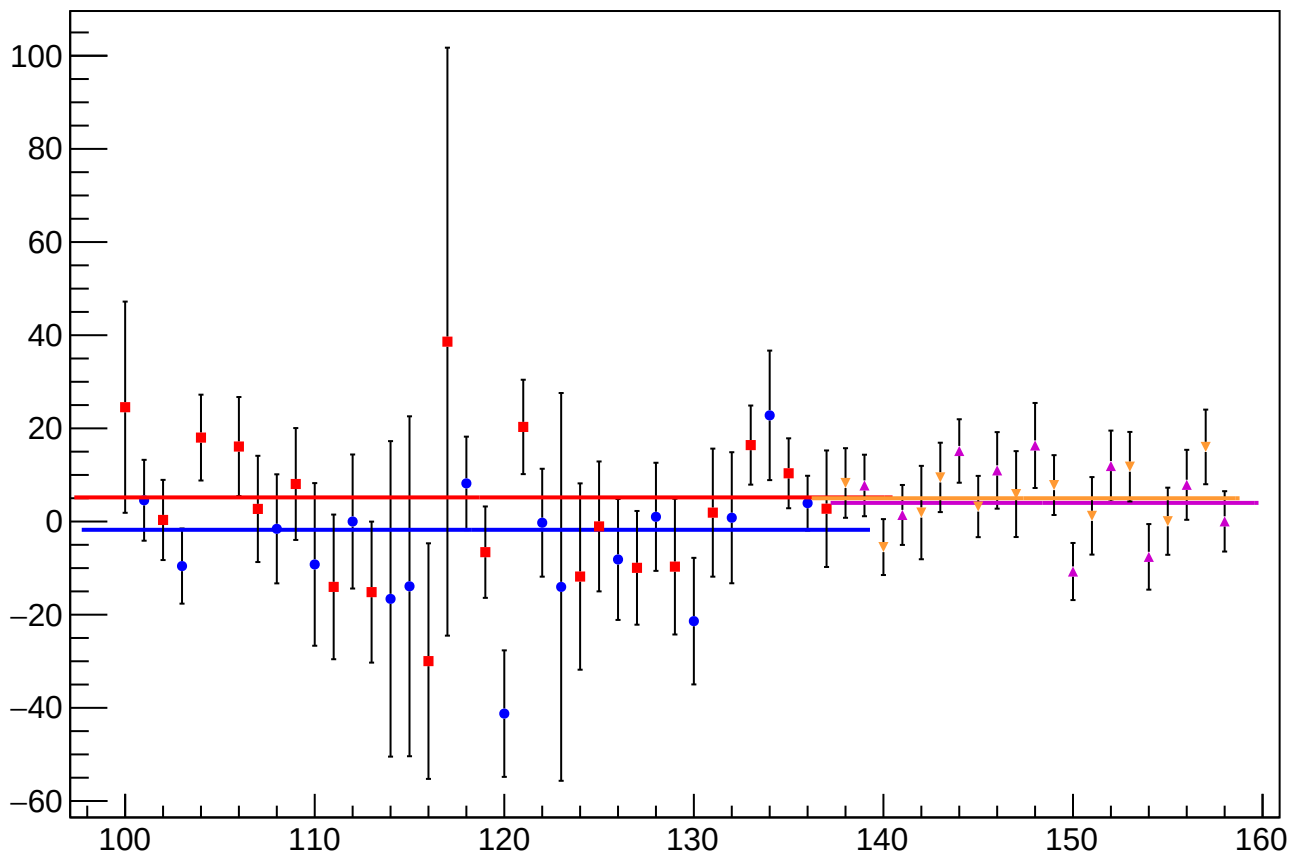
Right Out: 13079.592+/-3.530 χ^2/NDF : 497851.1/19

Left In: 9210.080+/-2.297 χ^2/NDF : 249803.6/9

10019.278+/-1.904 χ^2/NDF : 1669469.9/27

10361.286+/-1.925 χ^2/NDF : 1591938.6/29

diff_bpm4eY_mean vs Slug



Right In: -1.777 ± 2.806 χ^2/NDF : 18.0/16

Left Out: 4.998 ± 2.236 χ^2/NDF : 7.4/10

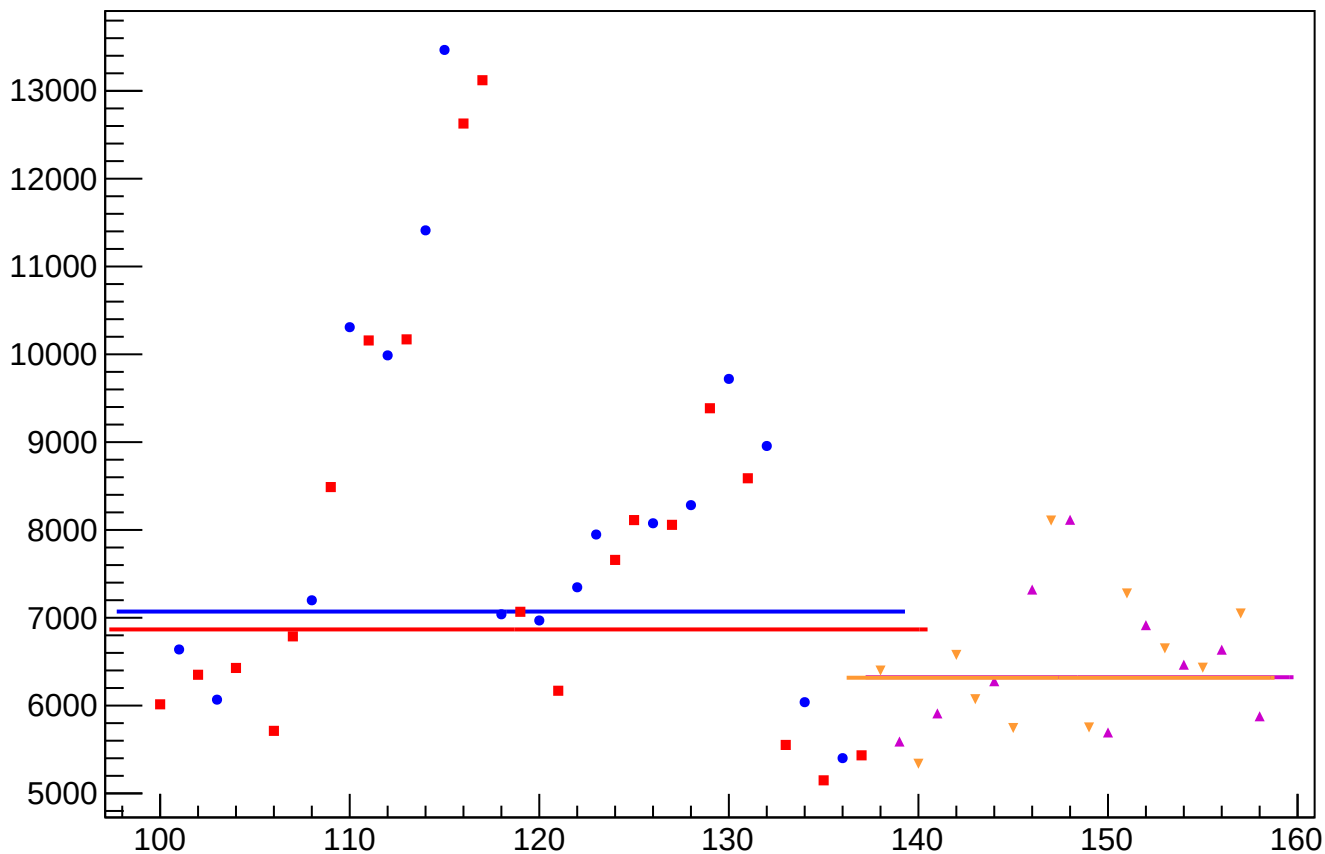
Right Out: 5.181 ± 2.640 χ^2/NDF : 19.2/19

Left In: 4.000 ± 2.230 χ^2/NDF : 15.9/9

2.367 ± 1.749 χ^2/NDF : 28.9/27

4.492 ± 1.704 χ^2/NDF : 35.2/29

diff_bpm4eY_rms vs Slug



Right In: 7070.672 ± 1.984 χ^2/NDF : 601692.5/16

Left Out: 6317.165 ± 1.581 χ^2/NDF : 210868.6/10

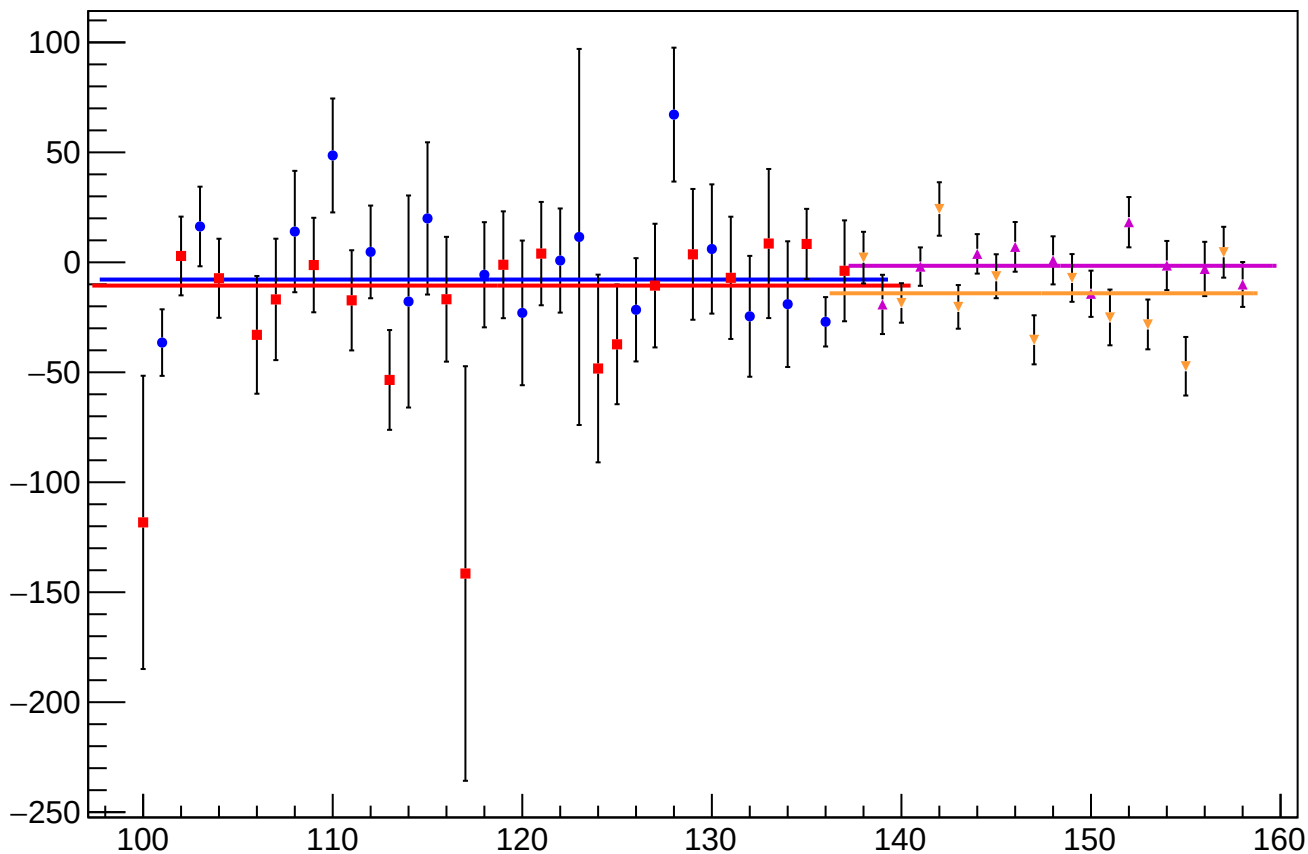
Right Out: 6867.094 ± 1.866 χ^2/NDF : 701892.5/19

Left In: 6322.887 ± 1.577 χ^2/NDF : 186514.4/9

6609.800 ± 1.236 χ^2/NDF : 900772.3/27

6549.575 ± 1.205 χ^2/NDF : 938008.7/29

diff_bpm4acX_mean vs Slug



Right In: -7.825 ± 5.516 $\chi^2/\text{NDF}: 22.3/16$

Left Out: -14.076 ± 3.328 $\chi^2/\text{NDF}: 28.2/10$

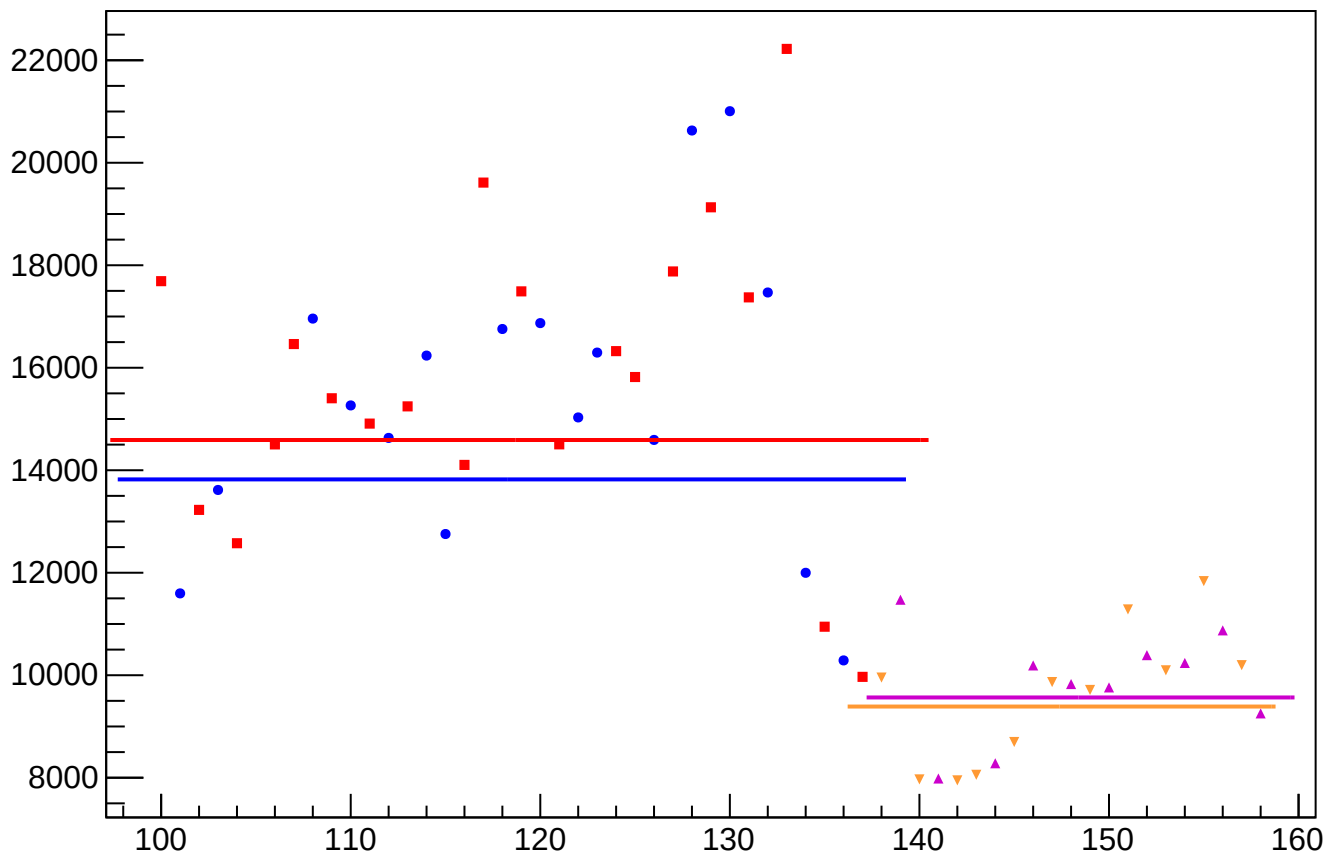
Right Out: -10.574 ± 5.561 $\chi^2/\text{NDF}: 14.1/19$

Left In: -1.576 ± 3.369 $\chi^2/\text{NDF}: 7.9/9$

-12.408 ± 2.850 $\chi^2/\text{NDF}: 51.4/27$

-3.991 ± 2.881 $\chi^2/\text{NDF}: 23.9/29$

diff_bpm4acX_rms vs Slug



Right In: 13821.195+/-3.900 χ^2/NDF : 602672.4/16

Left Out: 9388.907+/-2.353 χ^2/NDF : 263795.9/10

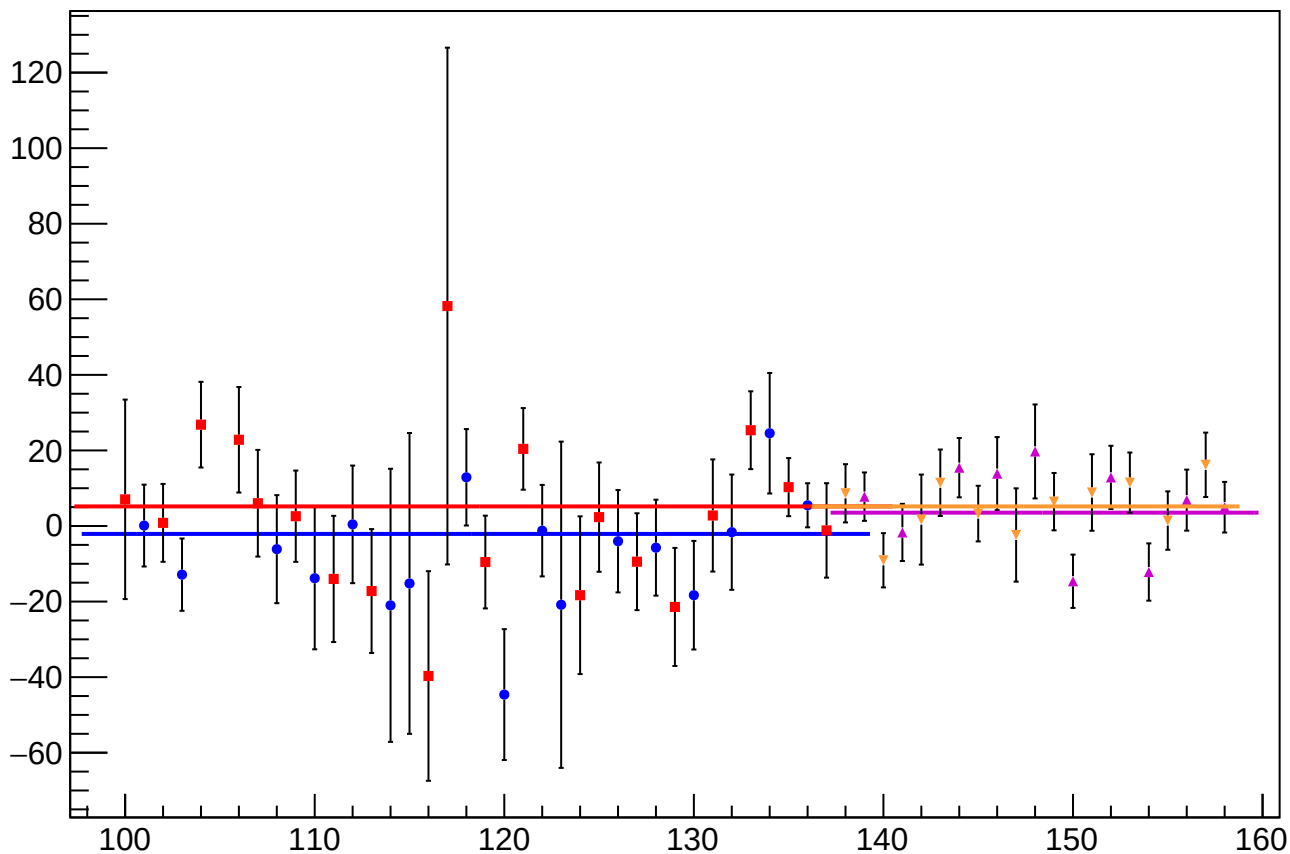
Right Out: 14589.989+/-3.933 χ^2/NDF : 478169.1/19

Left In: 9566.146+/-2.382 χ^2/NDF : 196640.2/9

10571.829+/-2.015 χ^2/NDF : 1813242.7/27

10914.586+/-2.037 χ^2/NDF : 1868780.4/29

diff_bpm4acY_mean vs Slug



Right In: -2.098 ± 3.106 $\chi^2/\text{NDF}: 15.6/16$

Left Out: 5.183 ± 2.543 $\chi^2/\text{NDF}: 7.9/10$

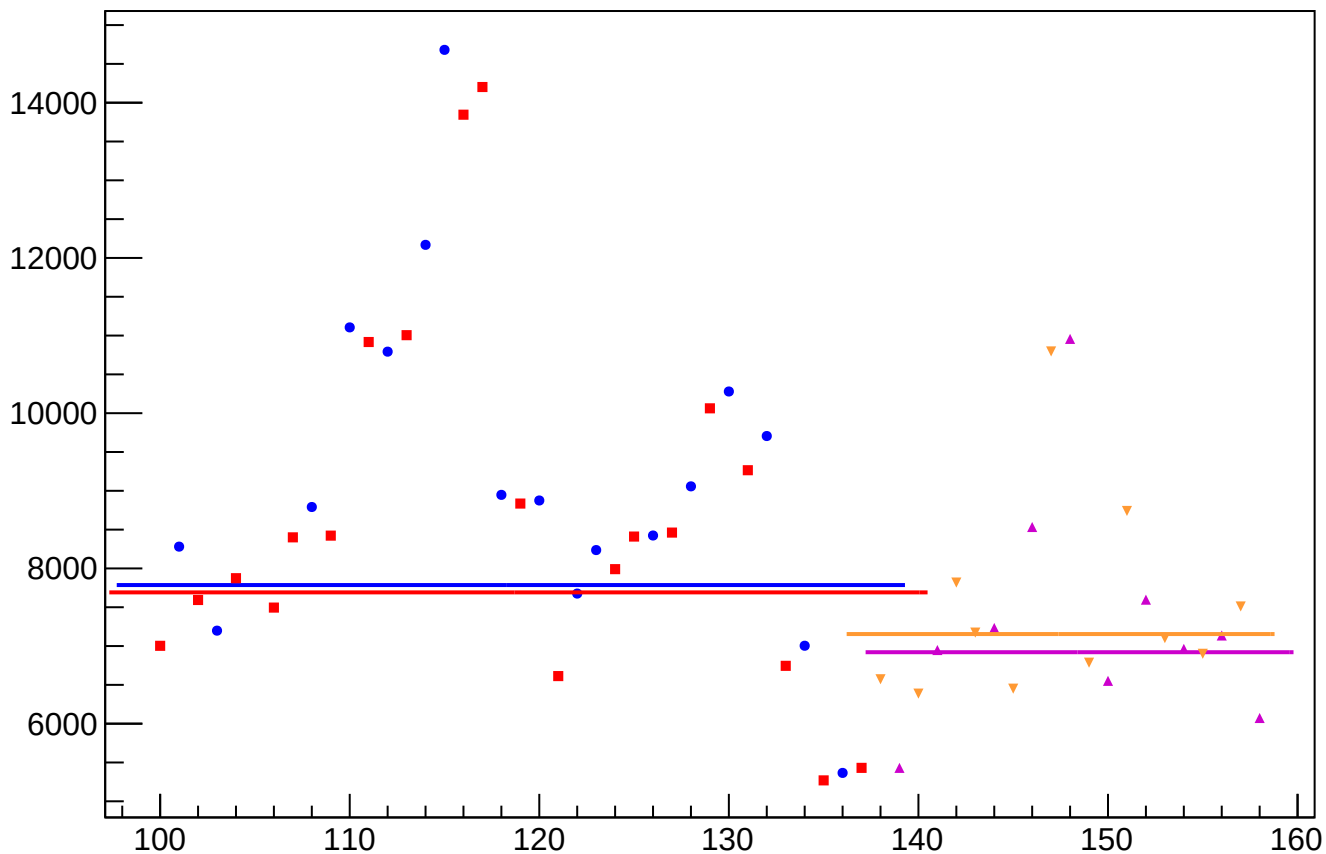
Right Out: 5.184 ± 2.959 $\chi^2/\text{NDF}: 25.4/19$

Left In: 3.525 ± 2.465 $\chi^2/\text{NDF}: 18.4/9$

2.261 ± 1.968 $\chi^2/\text{NDF}: 26.8/27$

4.204 ± 1.894 $\chi^2/\text{NDF}: 44.0/29$

diff_bpm4acY_rms vs Slug



Right In: 7785.931+/-2.197 χ^2/NDF : 738101.9/16

Left Out: 7154.634+/-1.798 χ^2/NDF : 292163.7/10

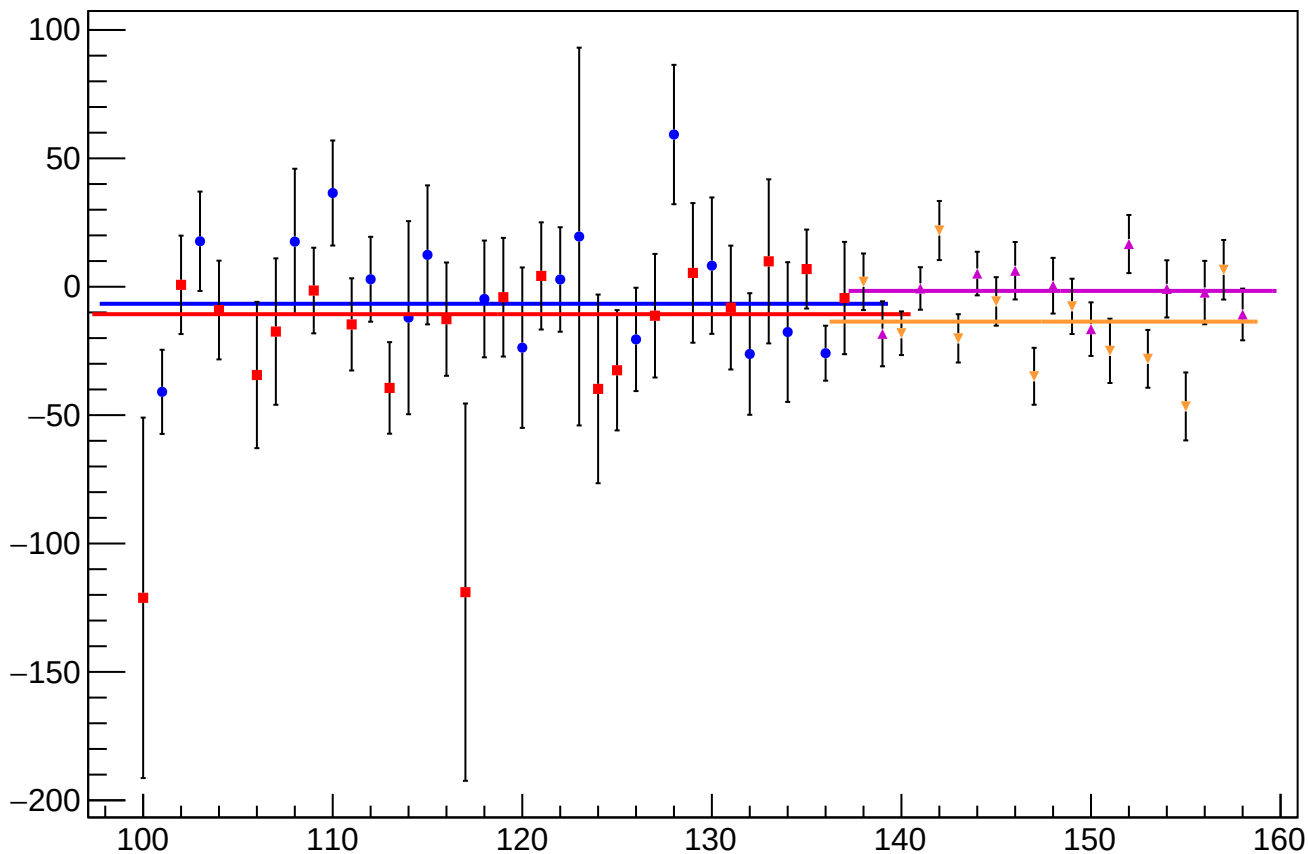
Right Out: 7691.398+/-2.093 χ^2/NDF : 686898.9/19

Left In: 6920.649+/-1.743 χ^2/NDF : 429739.4/9

7407.983+/-1.392 χ^2/NDF : 1079714.9/27

7236.311+/-1.339 χ^2/NDF : 1196736.2/29

diff_bpm4ecX_mean vs Slug



Right In: -6.634 ± 5.101 $\chi^2/\text{NDF}: 23.4/16$

Left Out: -13.580 ± 3.222 $\chi^2/\text{NDF}: 28.7/10$

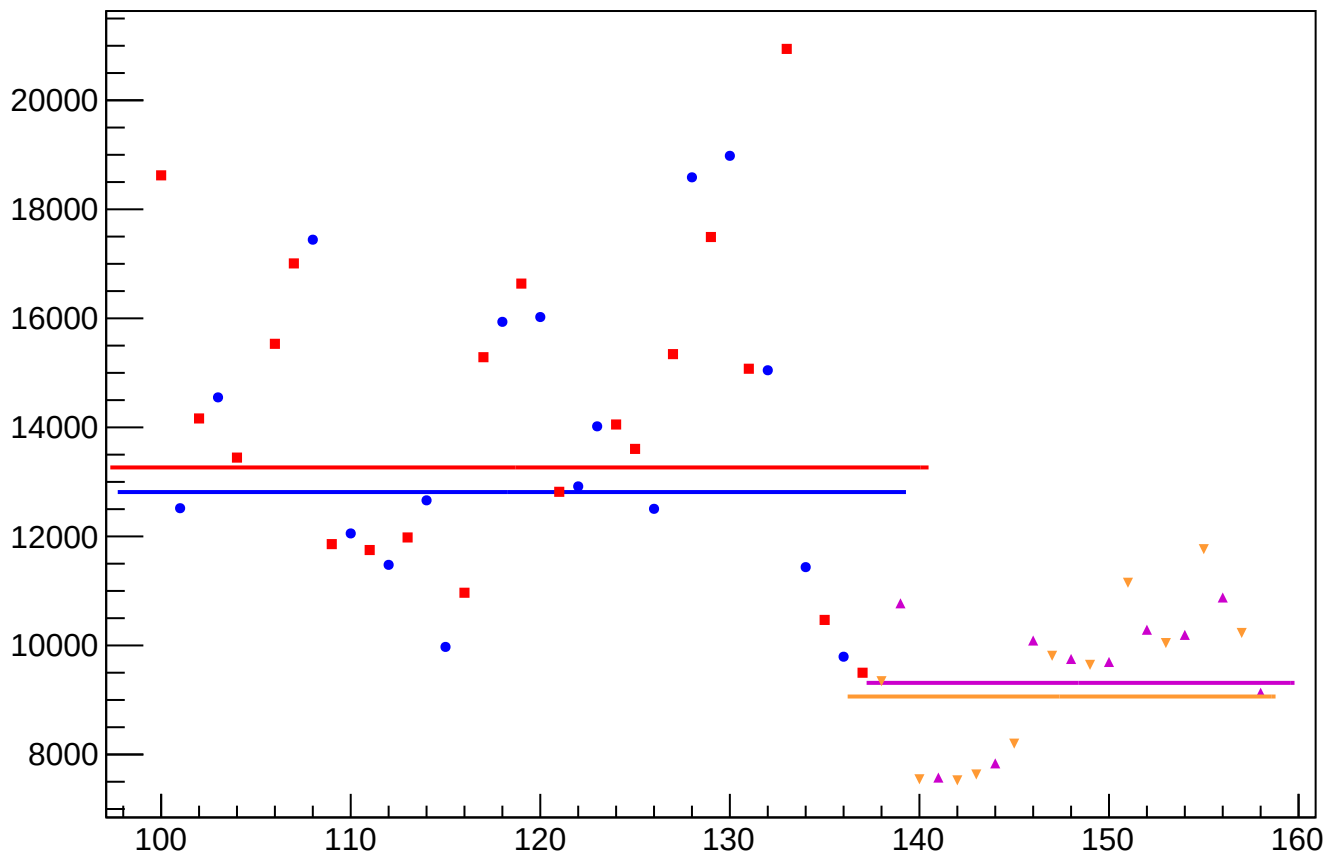
Right Out: -10.688 ± 5.063 $\chi^2/\text{NDF}: 13.0/19$

Left In: -1.618 ± 3.285 $\chi^2/\text{NDF}: 8.4/9$

-11.599 ± 2.724 $\chi^2/\text{NDF}: 53.4/27$

-4.305 ± 2.756 $\chi^2/\text{NDF}: 23.6/29$

diff_bpm4ecX_rms vs Slug



Right In: 12813.726+/-3.607 χ^2/NDF : 548127.6/16

Left Out: 9063.185+/-2.279 χ^2/NDF : 353060.1/10

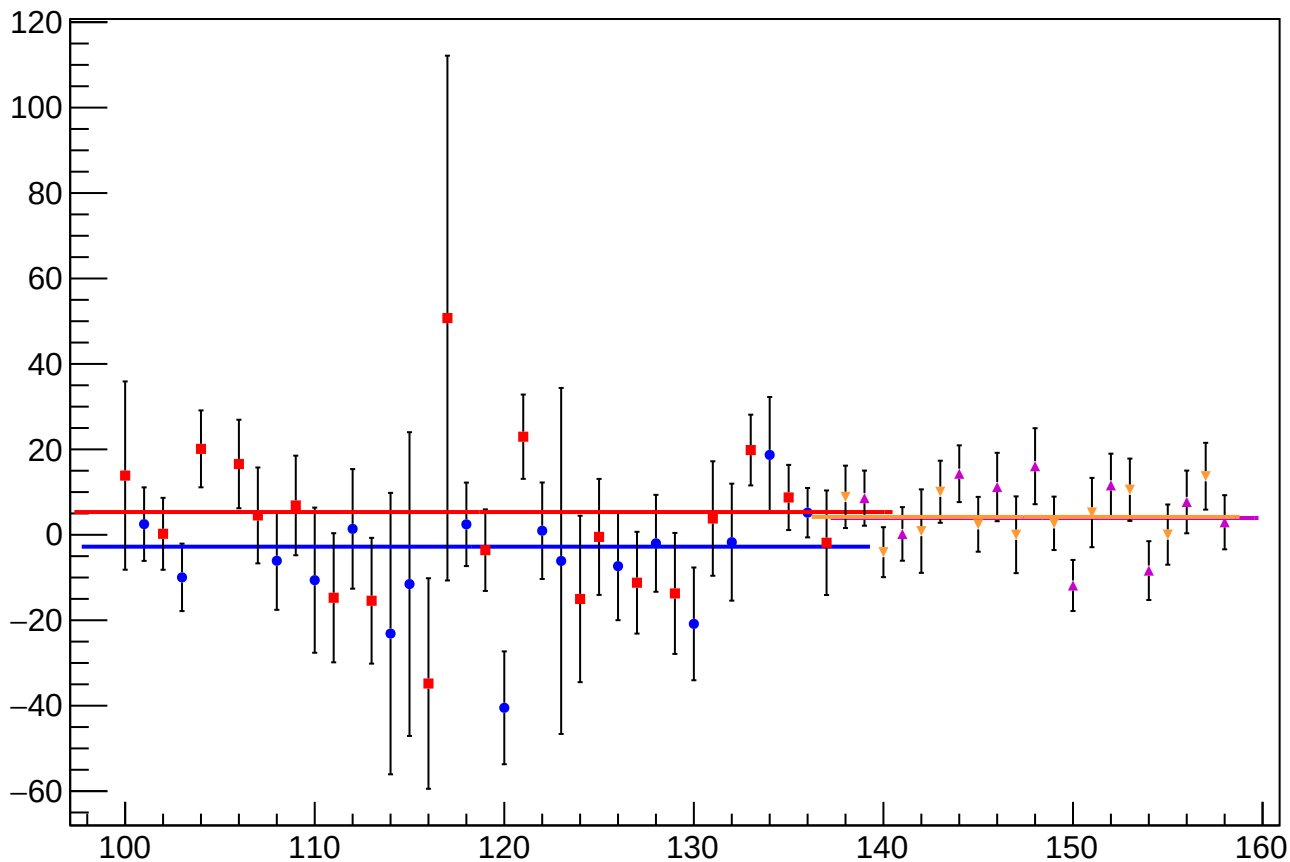
Right Out: 13265.185+/-3.580 χ^2/NDF : 485810.1/19

Left In: 9313.632+/-2.323 χ^2/NDF : 250812.9/9

10132.839+/-1.926 χ^2/NDF : 1673931.4/27

10484.430+/-1.949 χ^2/NDF : 1594042.0/29

diff_bpm4ecY_mean vs Slug



Right In: -2.778 ± 2.747 $\chi^2/\text{NDF}: 17.0/16$

Left Out: 4.186 ± 2.182 $\chi^2/\text{NDF}: 6.1/10$

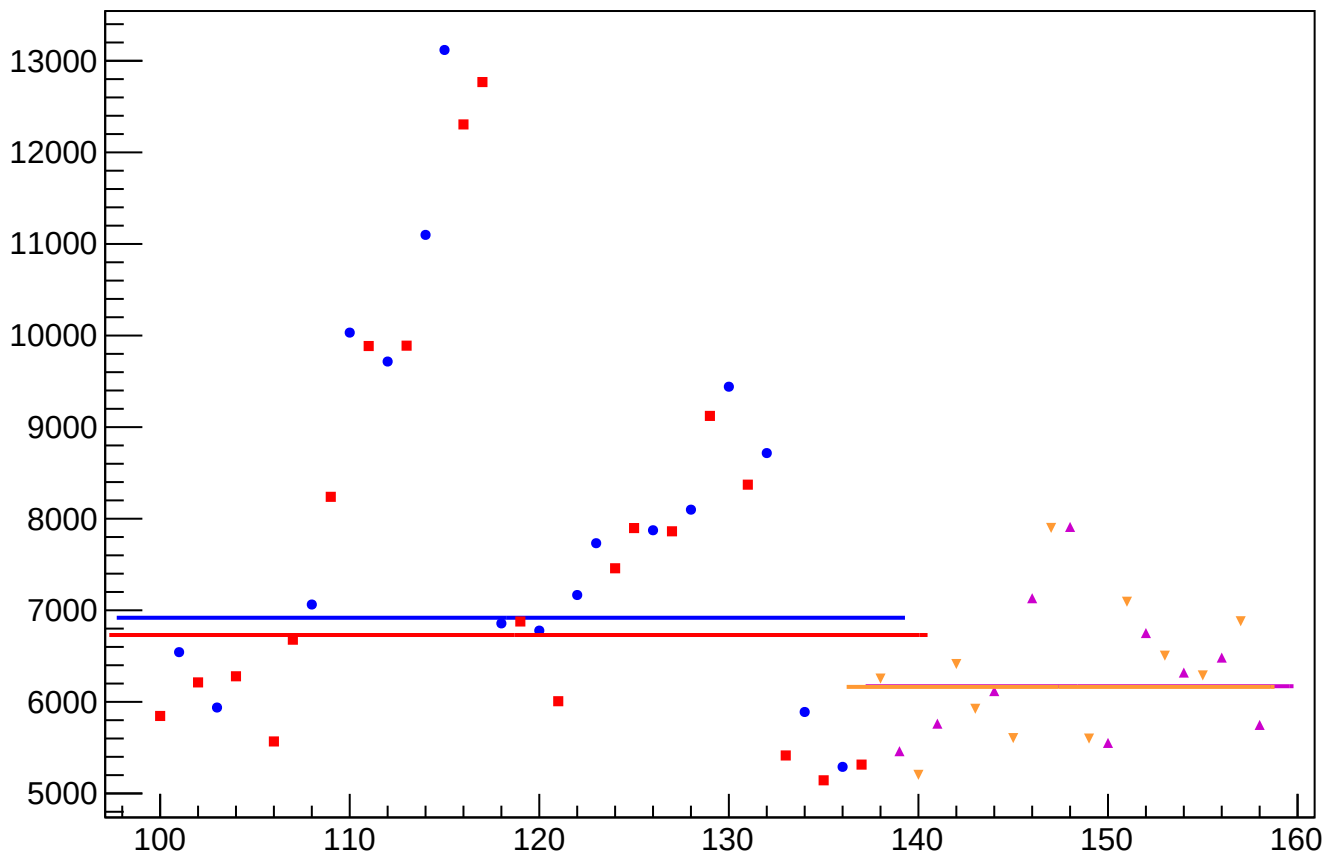
Right Out: 5.332 ± 2.587 $\chi^2/\text{NDF}: 24.1/19$

Left In: 3.933 ± 2.177 $\chi^2/\text{NDF}: 17.5/9$

1.492 ± 1.708 $\chi^2/\text{NDF}: 27.1/27$

4.513 ± 1.666 $\chi^2/\text{NDF}: 41.8/29$

diff_bpm4ecY_rms vs Slug



Right In: 6918.554+/-1.943 χ^2/NDF : 587976.6/16

Left Out: 6163.639+/-1.543 χ^2/NDF : 211841.1/10

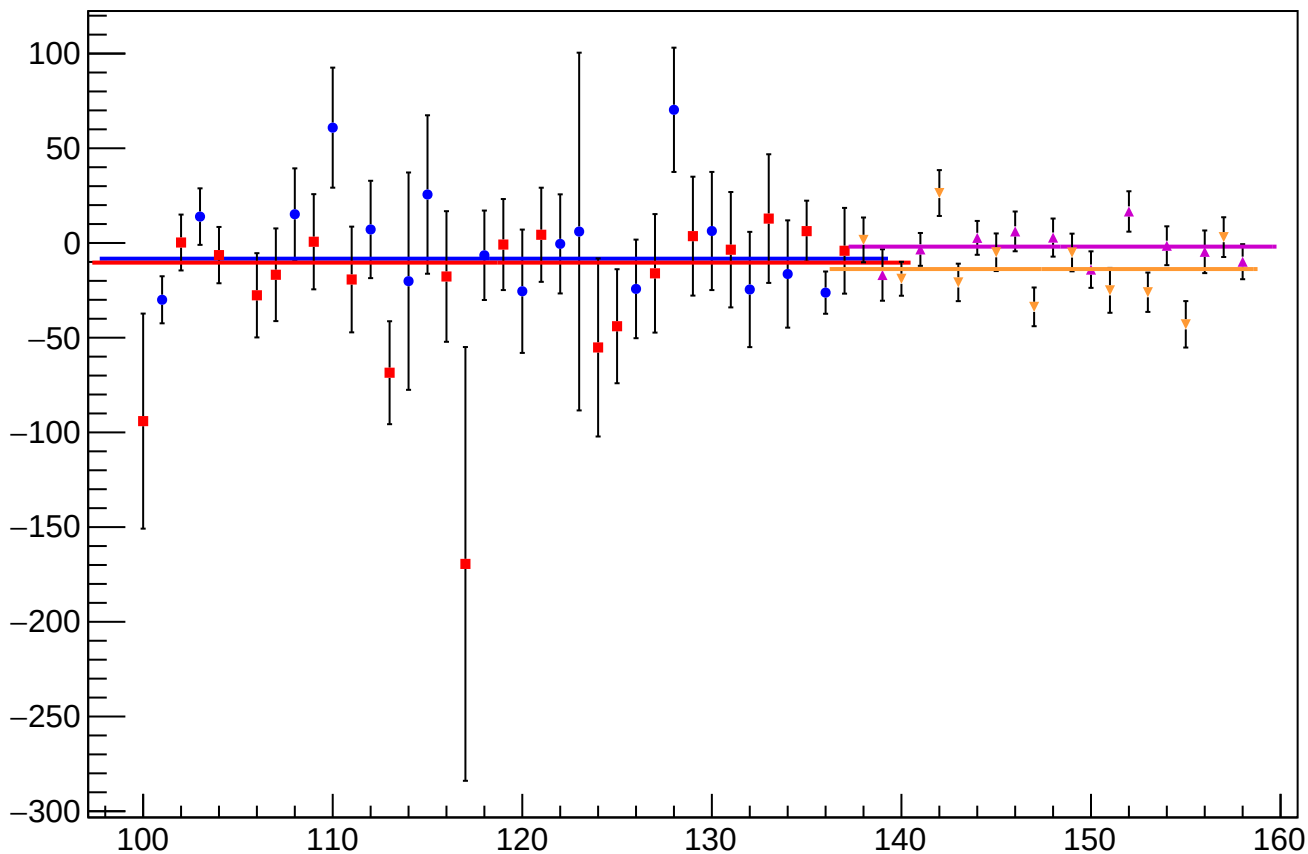
Right Out: 6730.137+/-1.830 χ^2/NDF : 673193.1/19

Left In: 6170.949+/-1.539 χ^2/NDF : 185216.6/9

6455.611+/-1.208 χ^2/NDF : 892435.9/27

6402.690+/-1.178 χ^2/NDF : 913114.6/29

diff_bpm1X_mean vs Slug



Right In: -8.286 ± 5.410 $\chi^2/\text{NDF}: 21.7/16$

Left Out: -13.762 ± 3.185 $\chi^2/\text{NDF}: 29.4/10$

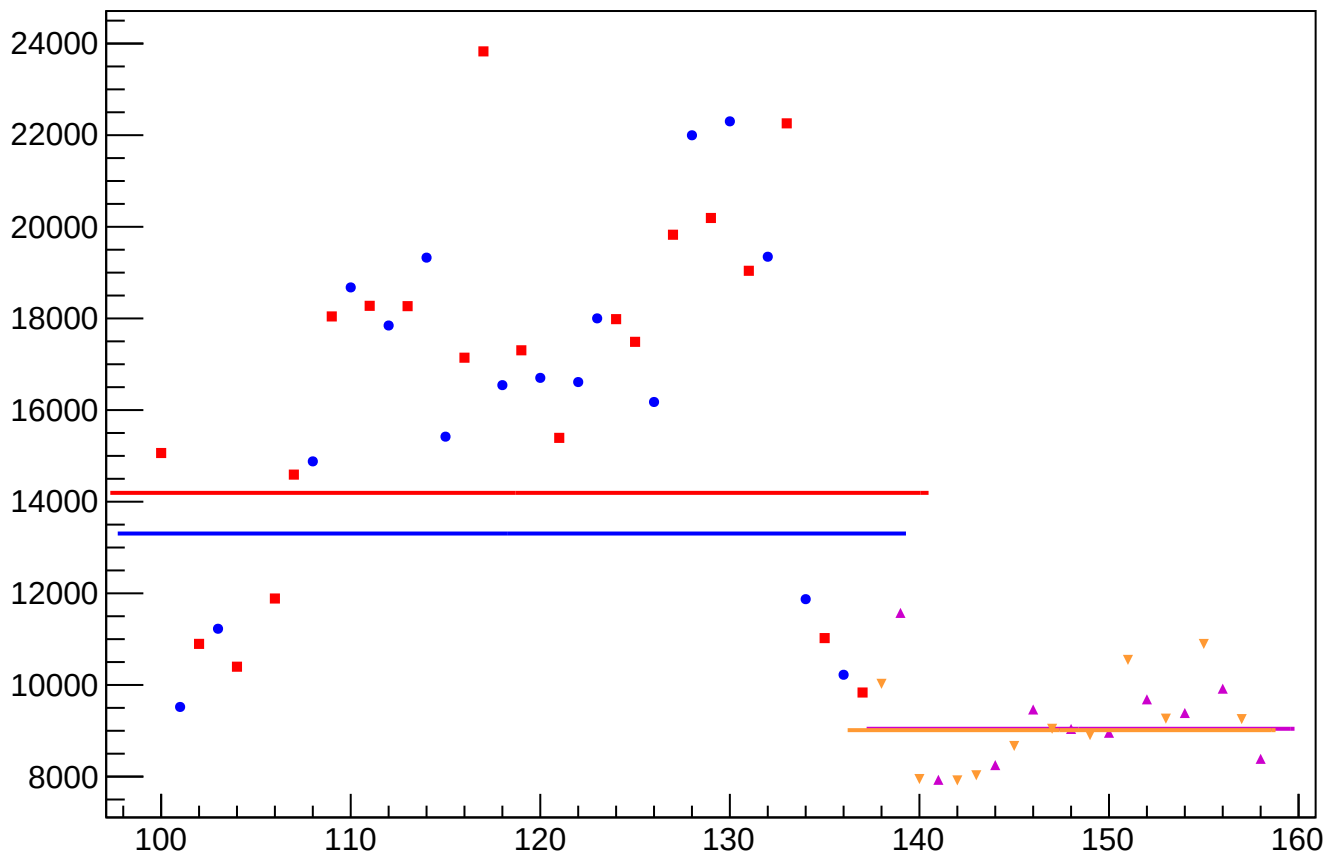
Right Out: -10.376 ± 5.507 $\chi^2/\text{NDF}: 14.8/19$

Left In: -1.926 ± 3.181 $\chi^2/\text{NDF}: 7.7/9$

-12.353 ± 2.744 $\chi^2/\text{NDF}: 51.9/27$

-4.040 ± 2.754 $\chi^2/\text{NDF}: 24.3/29$

diff_bpm1X_rms vs Slug



Right In: 13305.410+/-3.826 χ^2/NDF : 1044091.1/16

Left Out: 9013.636+/-2.252 χ^2/NDF :164780.1/10

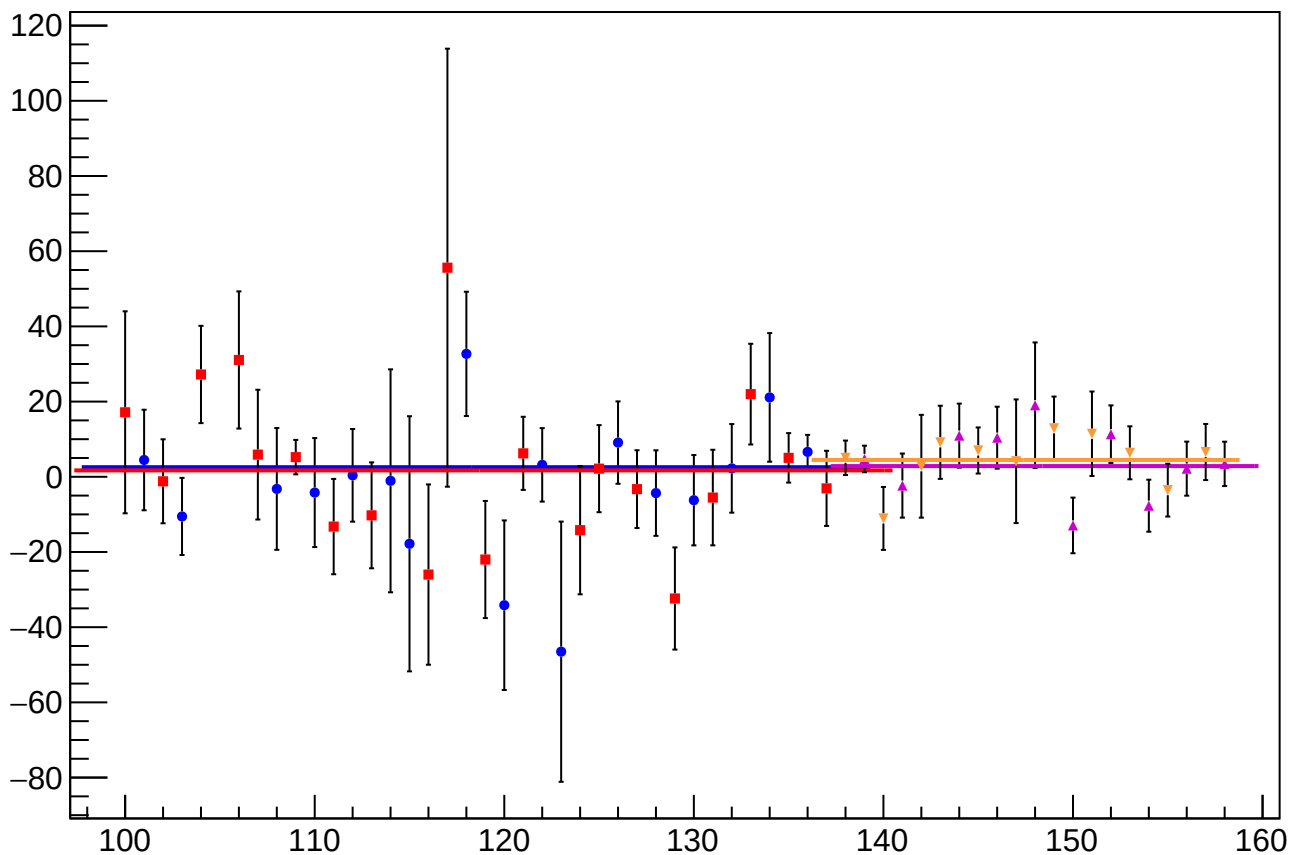
Right Out: 14193.006+/-3.894 χ^2/NDF : 944809.1/19

Left In: 9043.755+/-2.249 χ^2/NDF :153047.8/9

10117.999+/-1.941 χ^2/NDF : 2143605.9/27

10332.089+/-1.948 χ^2/NDF : 2409089.8/29

diff_bpm1Y_mean vs Slug



Right In: 2.551 ± 2.757 $\chi^2/\text{NDF}: 13.6/16$

Left Out: 4.471 ± 2.303 $\chi^2/\text{NDF}: 6.7/10$

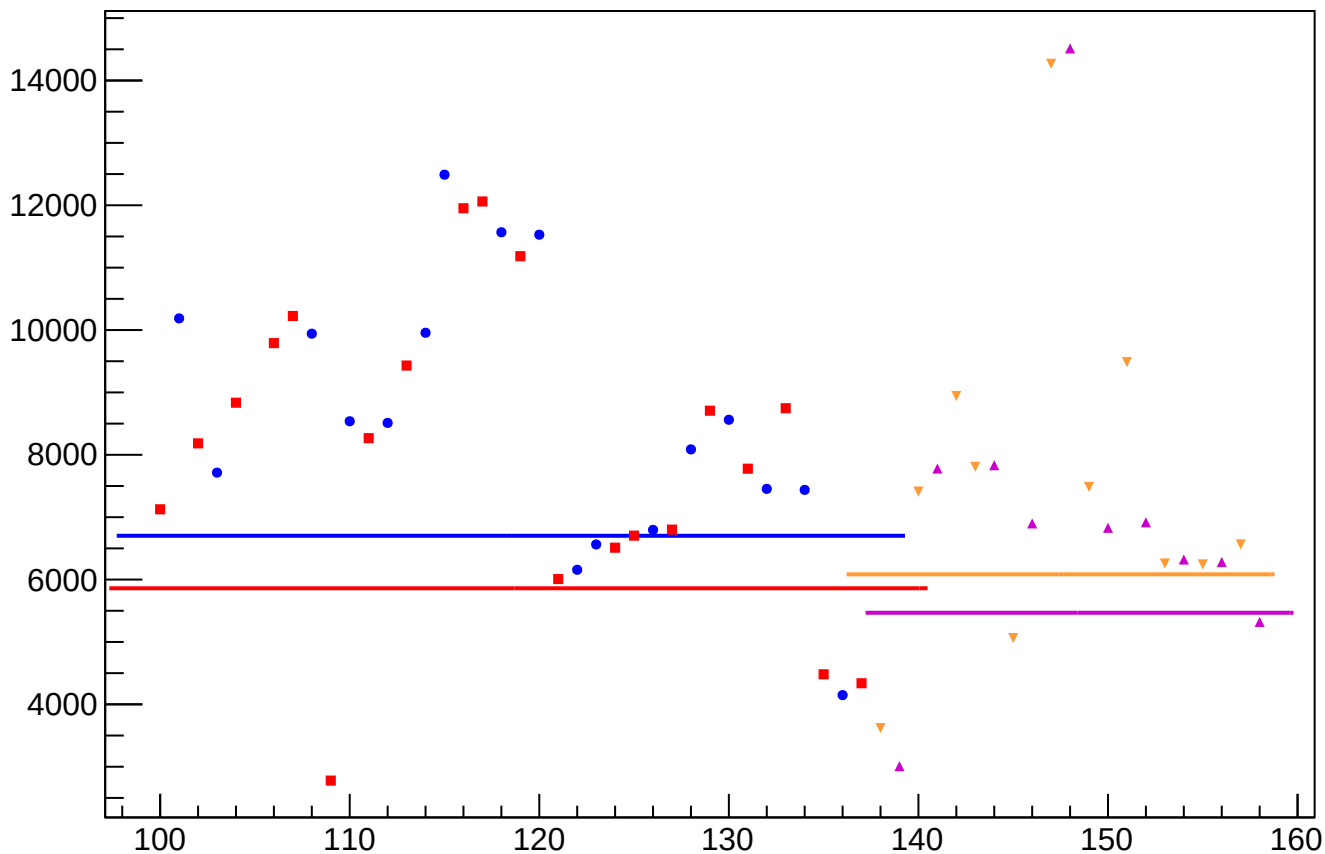
Right Out: 1.708 ± 2.440 $\chi^2/\text{NDF}: 24.9/19$

Left In: 2.849 ± 2.084 $\chi^2/\text{NDF}: 11.5/9$

3.682 ± 1.767 $\chi^2/\text{NDF}: 20.6/27$

2.368 ± 1.585 $\chi^2/\text{NDF}: 36.4/29$

diff_bpm1Y_rms vs Slug



Right In: 6702.245+/-1.949 χ^2/NDF : 1389956.8/16

Left Out: 6083.939+/-1.628 χ^2/NDF : 1579540.1/10

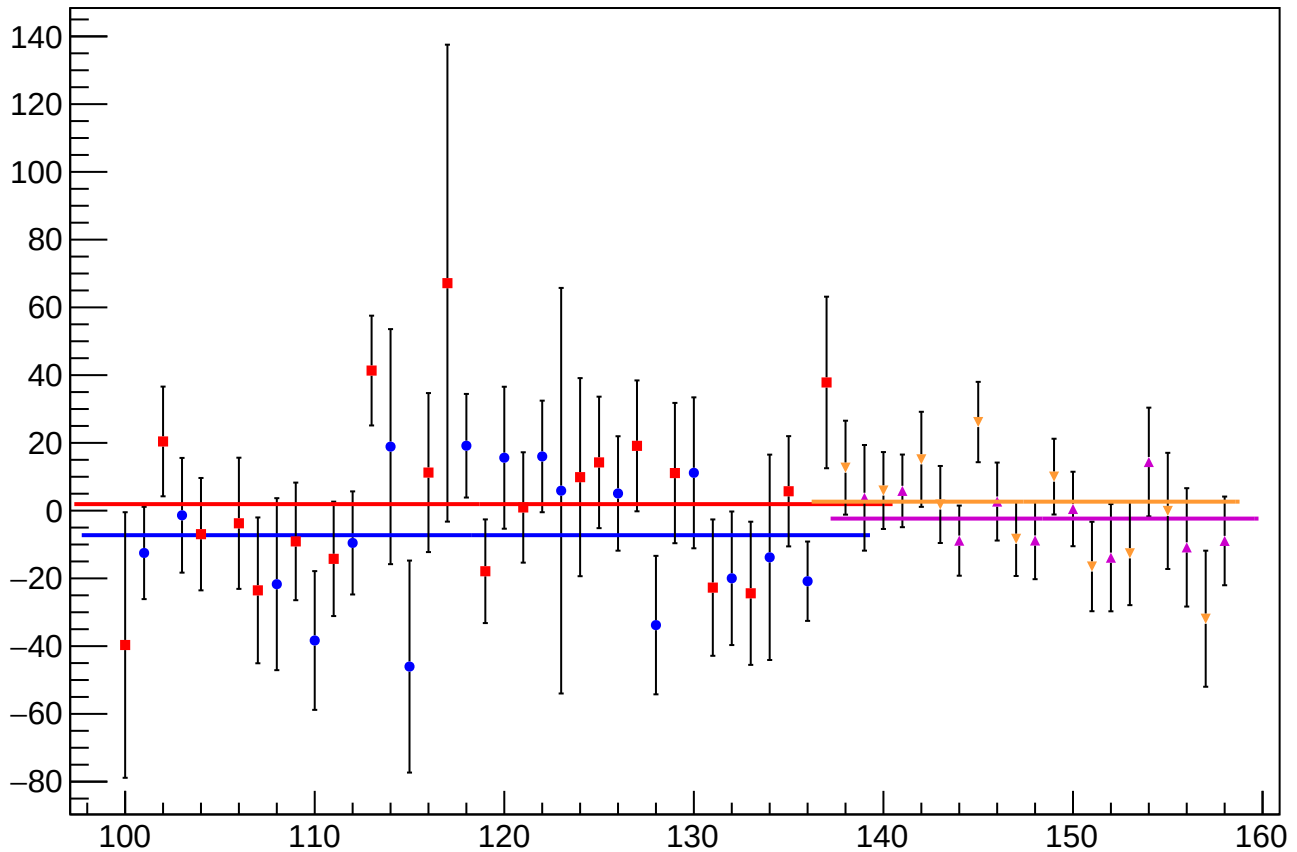
Right Out: 5860.505+/-1.725 χ^2/NDF : 2301163.3/19

Left In: 5468.201+/-1.474 χ^2/NDF : 2112912.2/9

6338.067+/-1.250 χ^2/NDF : 3028753.7/27

5633.696+/-1.121 χ^2/NDF : 4443961.9/29

diff_bpm11X_mean vs Slug



Right In: -7.245 ± 4.547 $\chi^2/\text{NDF}: 15.9/16$

Left Out: 2.650 ± 3.920 $\chi^2/\text{NDF}: 12.9/10$

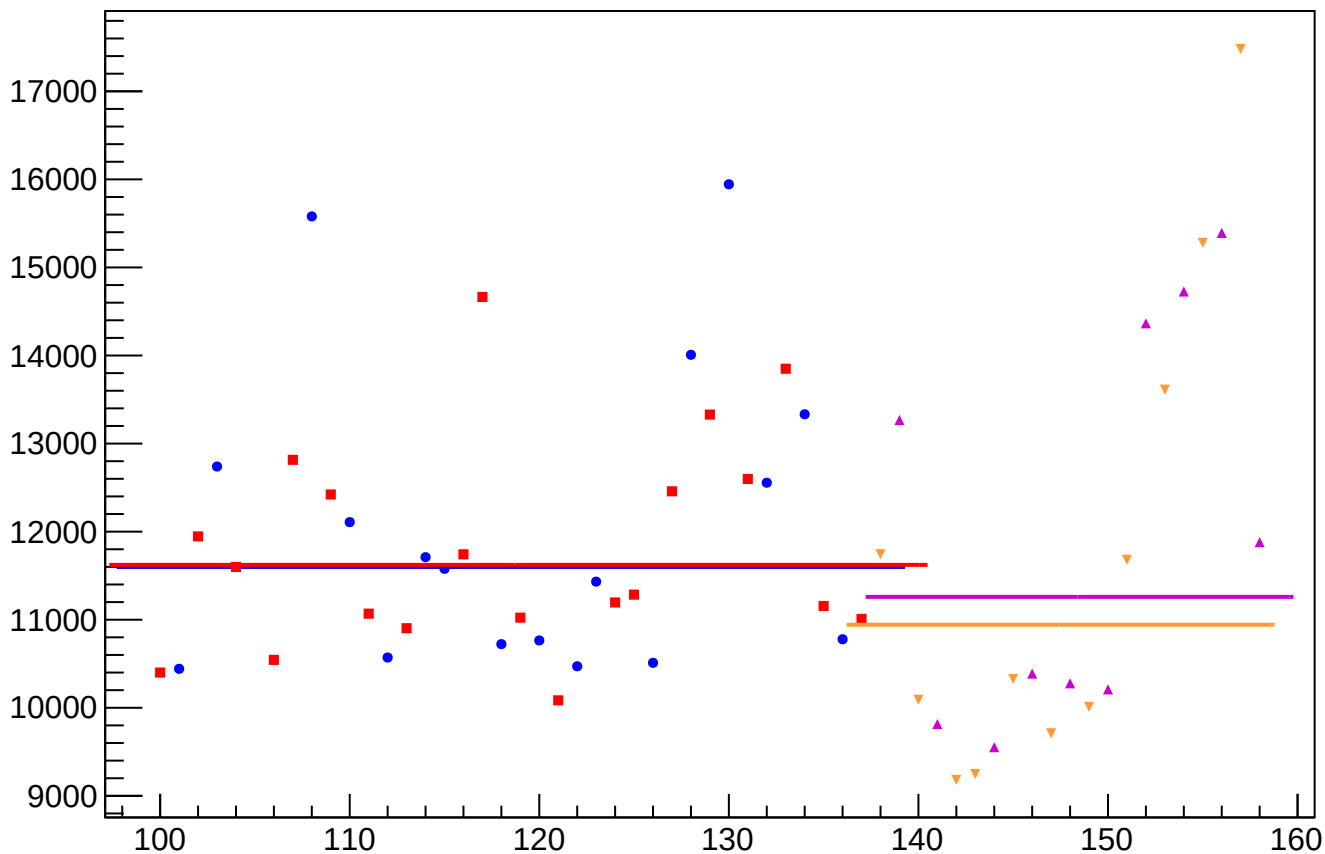
Right Out: 1.922 ± 4.365 $\chi^2/\text{NDF}: 20.7/19$

Left In: -2.347 ± 3.996 $\chi^2/\text{NDF}: 3.8/9$

-1.569 ± 2.969 $\chi^2/\text{NDF}: 31.5/27$

-0.400 ± 2.947 $\chi^2/\text{NDF}: 25.1/29$

diff_bpm11X_rms vs Slug



Right In: 11598.751 ± 3.215 χ^2/NDF : 235423.8/16

Left Out: 10943.188 ± 2.772 χ^2/NDF : 545415.5/10

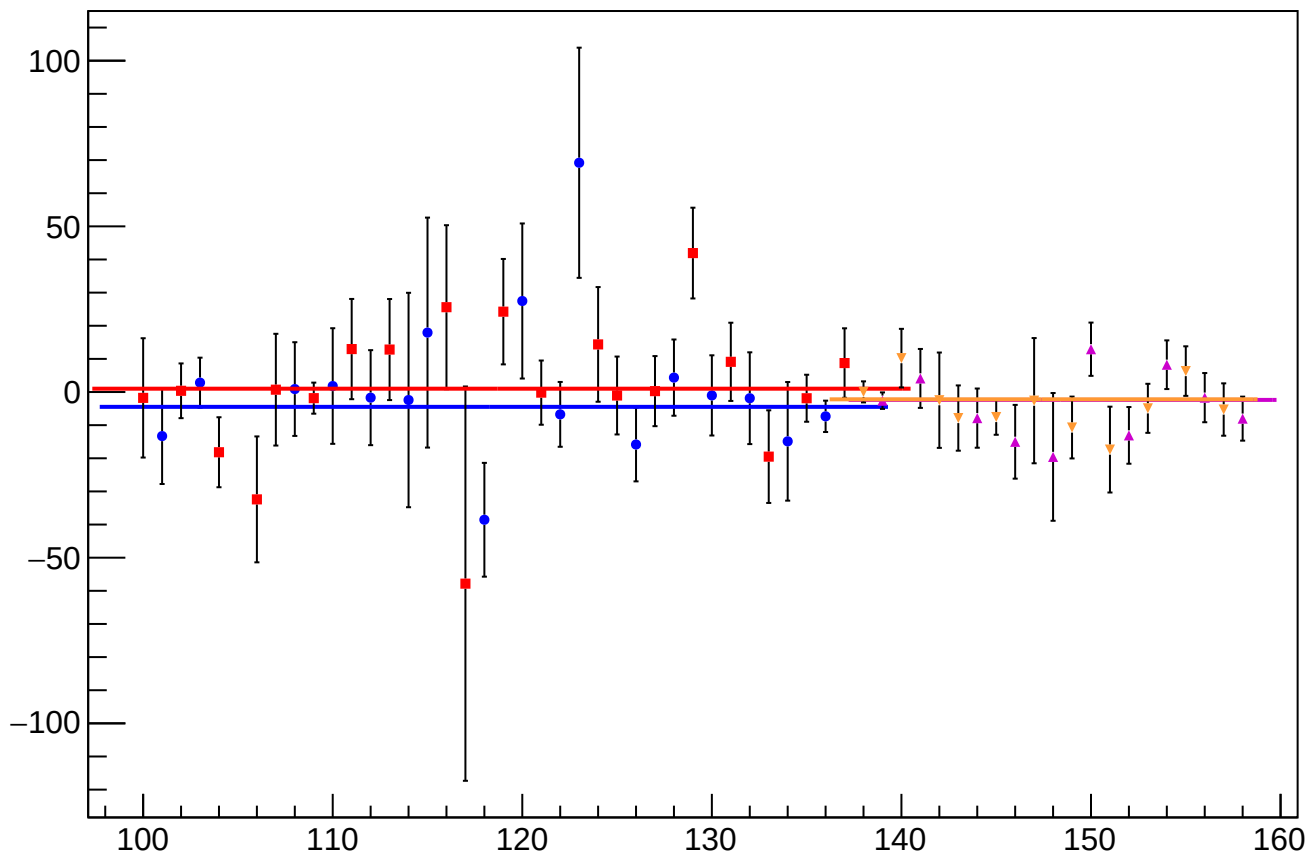
Right Out: 11622.681 ± 3.086 χ^2/NDF : 98197.0/19

Left In: 11259.394 ± 2.826 χ^2/NDF : 455142.1/9

11222.702 ± 2.099 χ^2/NDF : 804687.4/27

11425.061 ± 2.084 χ^2/NDF : 560876.5/29

diff_bpm11Y_mean vs Slug



Right In: -4.476 ± 2.782 χ^2/NDF : 14.8/16

Left Out: -2.206 ± 2.066 χ^2/NDF : 7.6/10

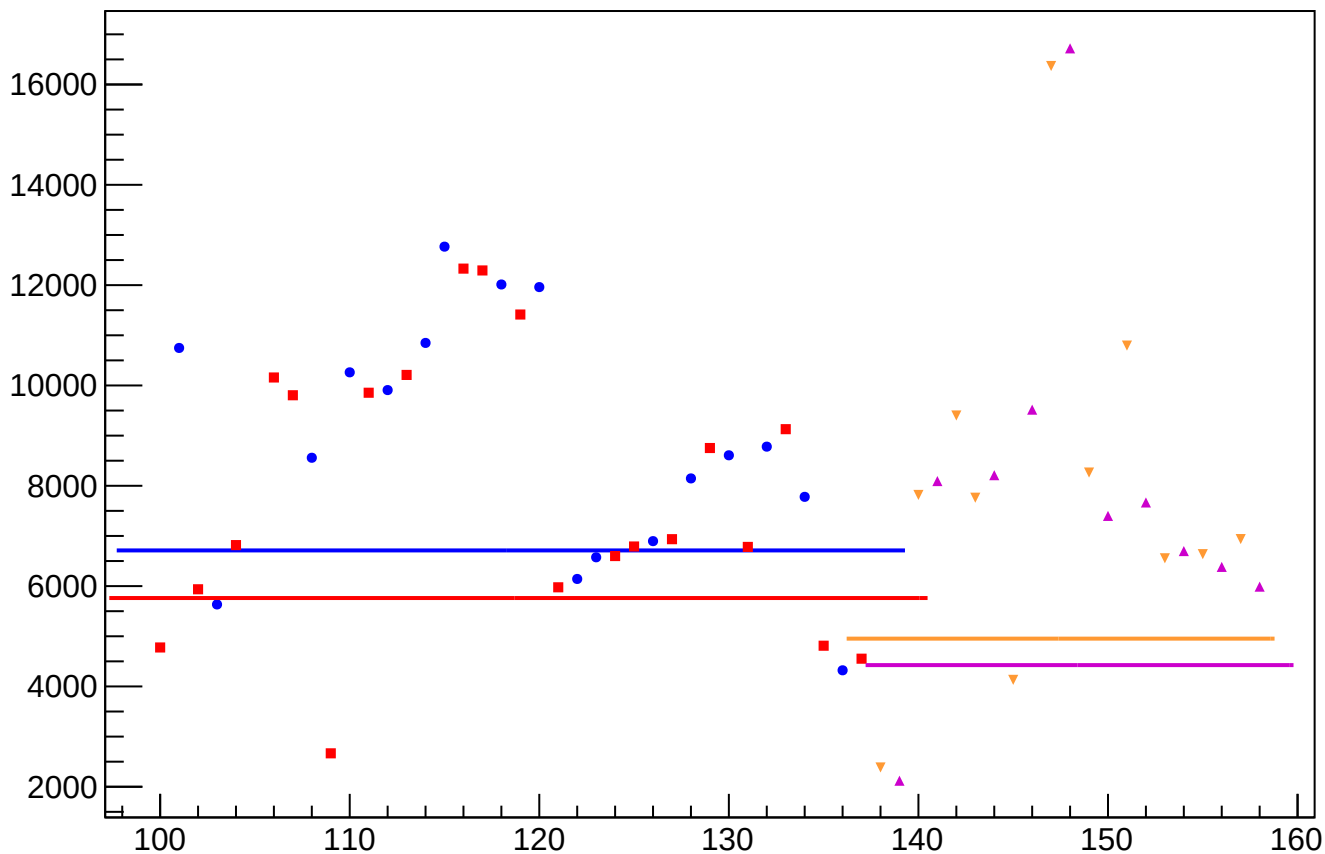
Right Out: 1.007 ± 2.427 χ^2/NDF : 25.0/19

Left In: -2.379 ± 1.871 χ^2/NDF : 11.0/9

-3.013 ± 1.659 χ^2/NDF : 22.9/27

-1.117 ± 1.482 χ^2/NDF : 37.3/29

diff_bpm11Y_rms vs Slug



Right In: 6711.550+/-1.967 χ^2/NDF : 1446972.0/16

Left Out: 4952.922+/-1.461 χ^2/NDF : 3627035.3/10

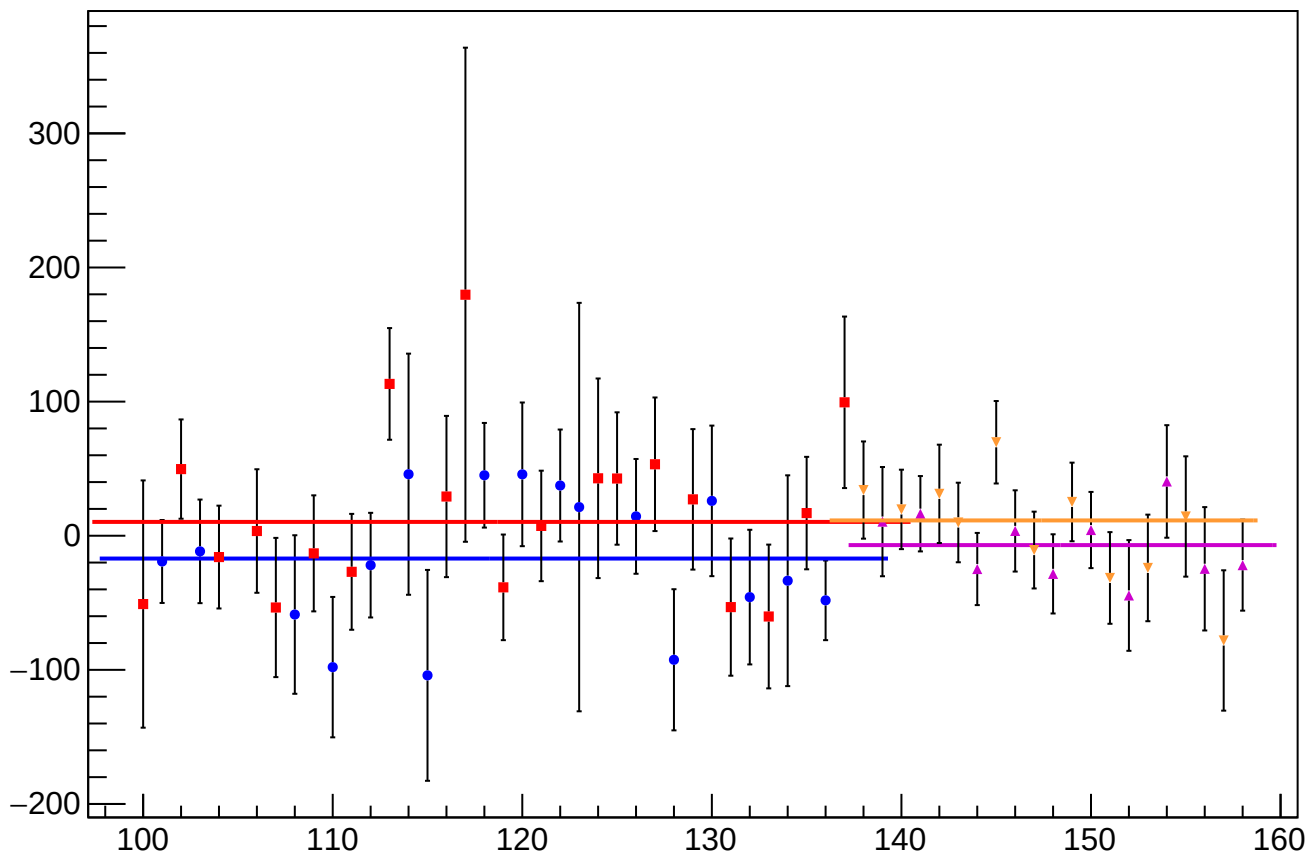
Right Out: 5762.387+/-1.716 χ^2/NDF : 2189239.7/19

Left In: 4425.293+/-1.323 χ^2/NDF : 4646076.6/9

5578.199+/-1.173 χ^2/NDF : 5589176.6/27

4923.841+/-1.048 χ^2/NDF : 7216030.7/29

diff_bpm12X_mean vs Slug



Right In: -17.010 ± 11.287 χ^2/NDF : 15.0/16

Left Out: 11.411 ± 10.219 χ^2/NDF : 10.5/10

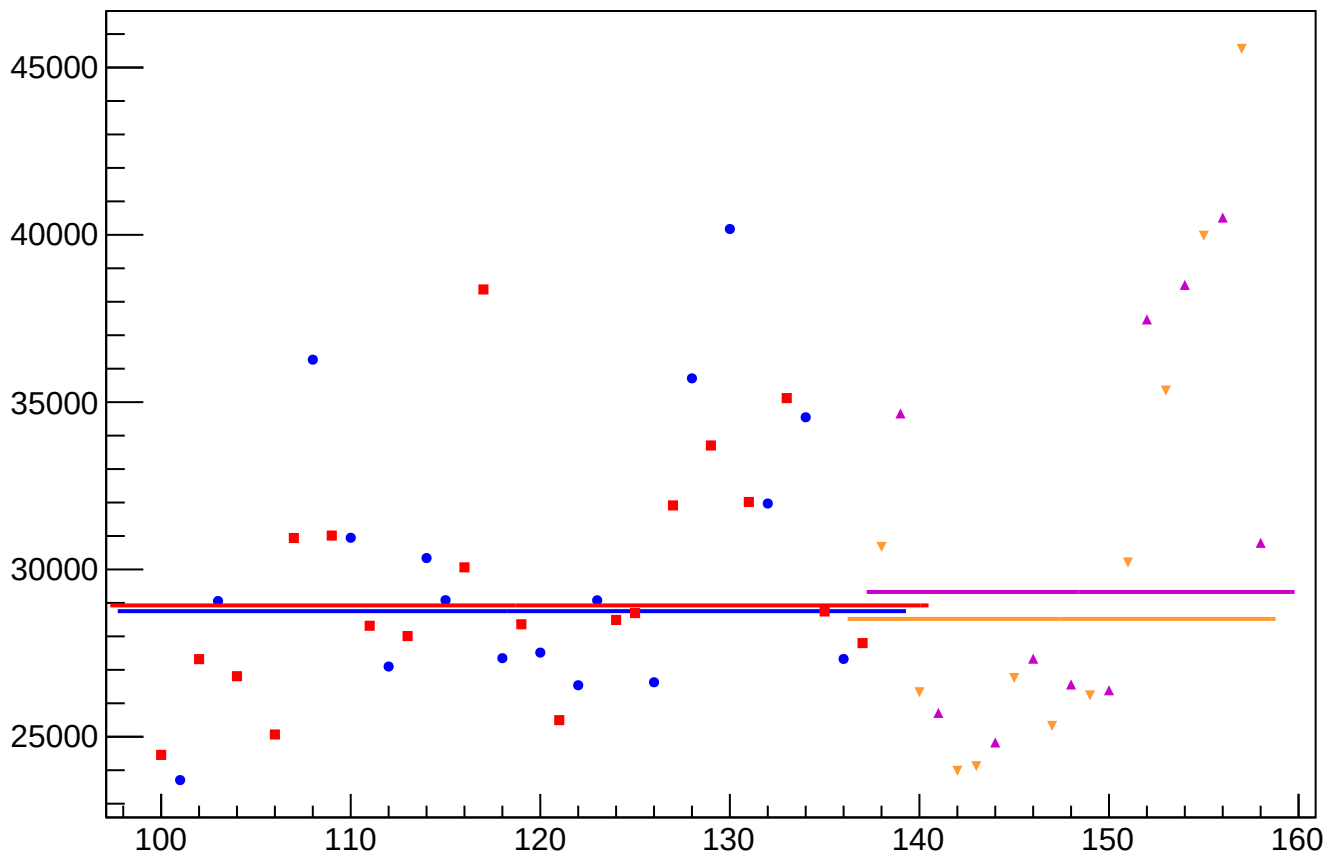
Right Out: 10.311 ± 10.872 χ^2/NDF : 19.9/19

Left In: -6.986 ± 10.413 χ^2/NDF : 4.6/9

-1.391 ± 7.575 χ^2/NDF : 28.9/27

1.290 ± 7.520 χ^2/NDF : 25.8/29

diff_bpm12X_rms vs Slug



Right In: 28753.787+/-7.981 χ^2/NDF : 249215.1/16

Left Out: 28522.182+/-7.226 χ^2/NDF : 542608.7/10

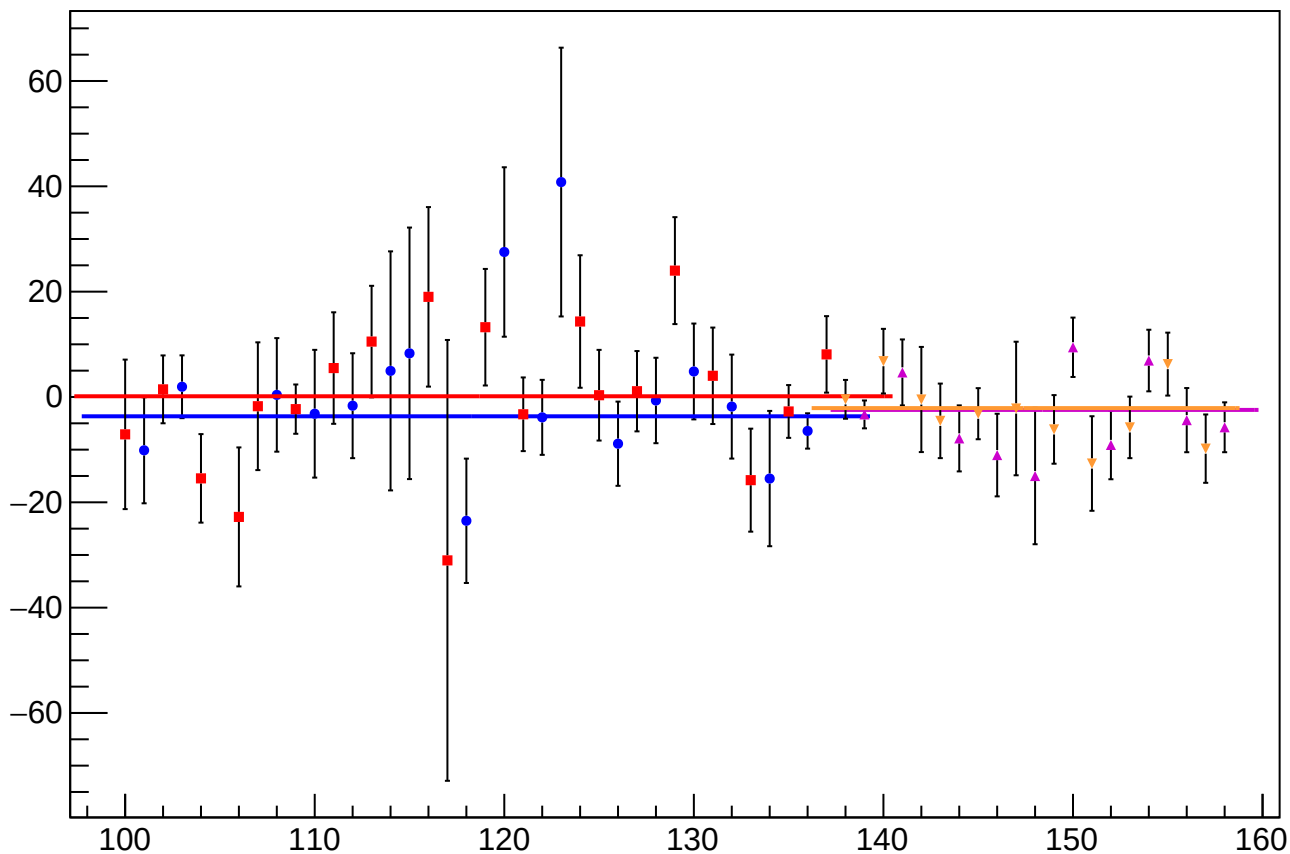
Right Out: 28925.160+/-7.687 χ^2/NDF : 116514.7/19

Left In: 29327.525+/-7.363 χ^2/NDF : 466510.6/9

28626.507+/-5.357 χ^2/NDF : 792286.7/27

29135.012+/-5.317 χ^2/NDF : 584454.2/29

diff_bpm12Y_mean vs Slug



Right In: -3.668 ± 2.010 $\chi^2/\text{NDF}: 14.5/16$

Left Out: -2.112 ± 1.838 $\chi^2/\text{NDF}: 8.0/10$

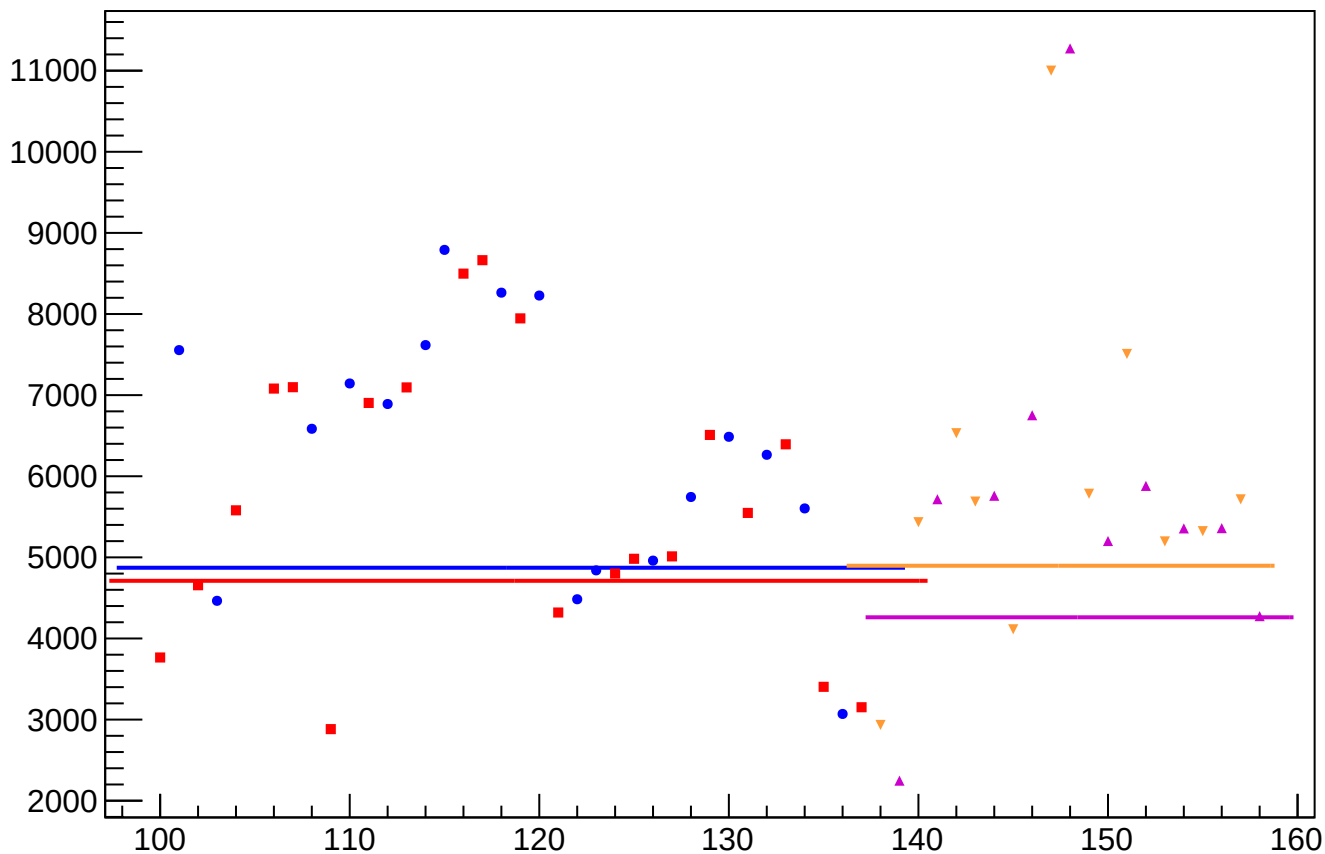
Right Out: 0.135 ± 1.891 $\chi^2/\text{NDF}: 22.9/19$

Left In: -2.455 ± 1.640 $\chi^2/\text{NDF}: 12.9/9$

-2.821 ± 1.356 $\chi^2/\text{NDF}: 22.9/27$

-1.342 ± 1.239 $\chi^2/\text{NDF}: 36.9/29$

diff_bpm12Y_rms vs Slug



Right In: 4872.105+/-1.421 χ^2/NDF : 1405253.2/16

Left Out: 4896.747+/-1.300 χ^2/NDF : 1430575.5/10

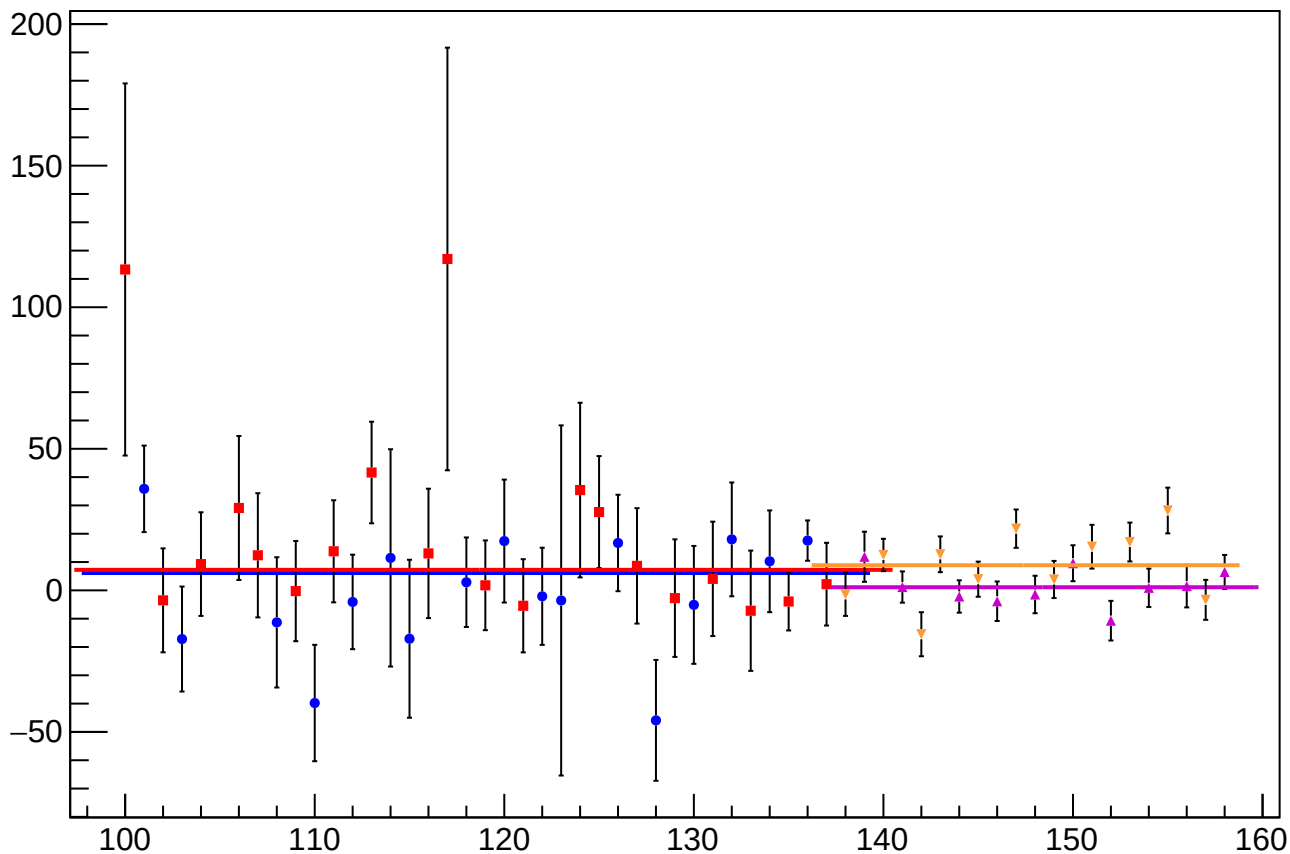
4885.522+/-0.959 χ^2/NDF : 2835992.4/27

Right Out: 4711.077+/-1.337 χ^2/NDF : 1330595.4/19

4454.301+/-0.876 χ^2/NDF : 3878329.5/29

Left In: 4261.077+/-1.160 χ^2/NDF : 2483089.5/9

diff_bpm16X_mean vs Slug



Right In: 6.133+/-4.080 χ^2/NDF : 22.2/16

Left Out: 8.871+/-2.068 χ^2/NDF : 28.2/10

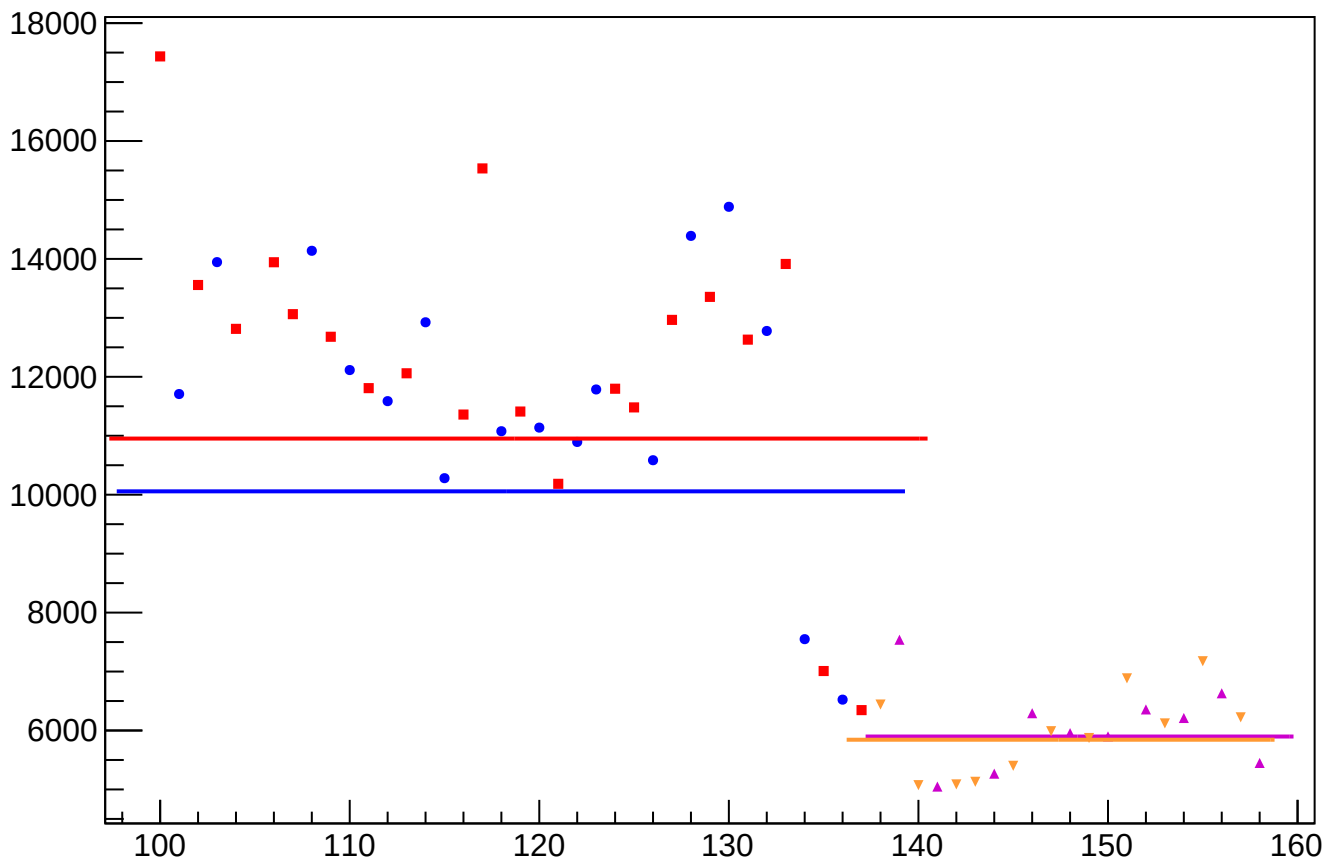
Right Out: 7.243+/-4.218 χ^2/NDF : 14.6/19

Left In: 1.108+/-2.077 χ^2/NDF : 7.9/9

8.312+/-1.845 χ^2/NDF : 50.7/27

2.305+/-1.863 χ^2/NDF : 24.2/29

diff_bpm16X_rms vs Slug



Right In: 10056.991 $\pm$ 2.885 χ^2 /NDF: 1002872.6/16

Left Out: 5843.375 $\pm$ 1.462 χ^2 /NDF:204025.8/10

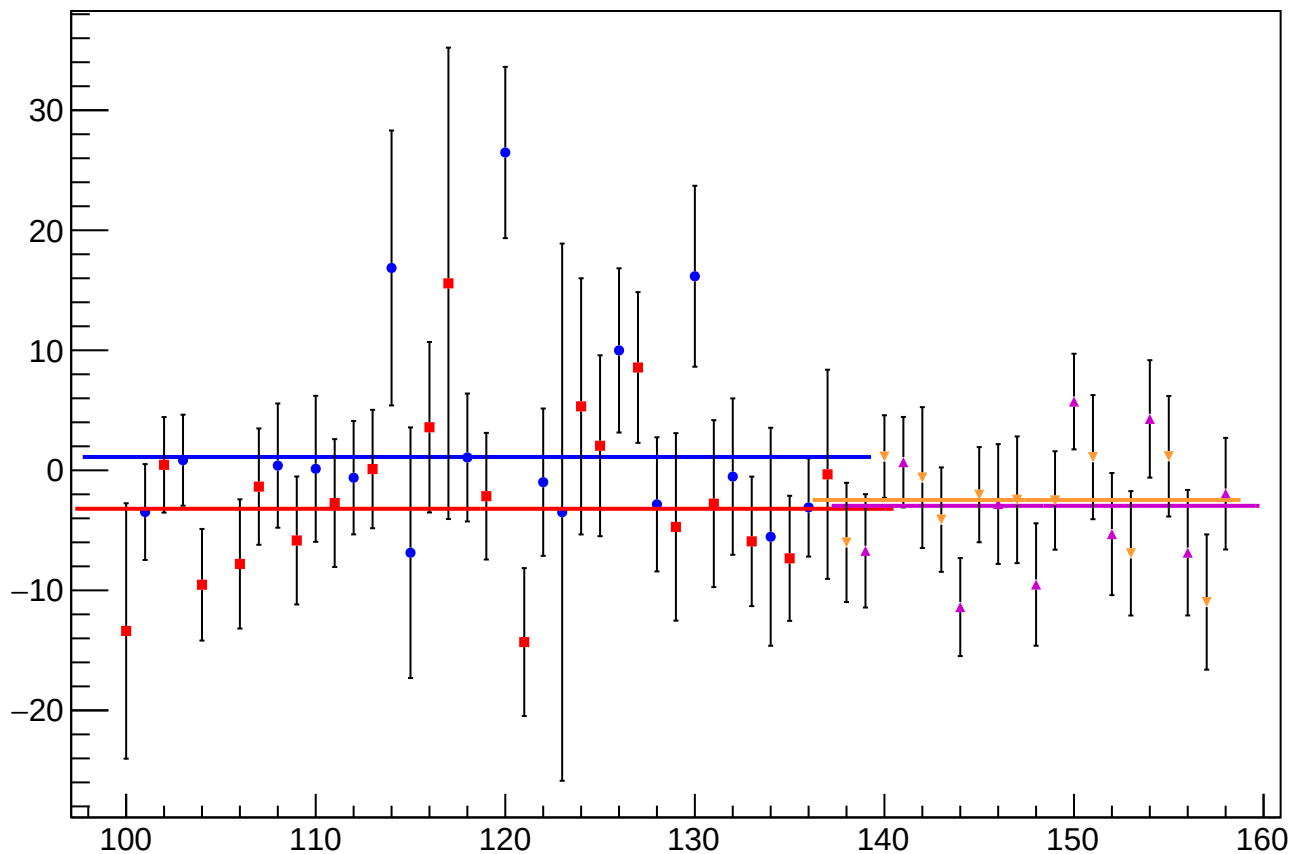
Right Out: 10952.255 $\pm$ 2.982 χ^2 /NDF: 770474.3/19

Left In: 5897.800 $\pm$ 1.468 χ^2 /NDF:190074.9/9

6704.472 $\pm$ 1.304 χ^2 /NDF: 2903945.3/27

6884.027 $\pm$ 1.317 χ^2 /NDF: 3272443.4/29

diff_bpm16Y_mean vs Slug



Right In: 1.112 ± 1.403 χ^2/NDF : 24.6/16

Left Out: -2.469 ± 1.398 χ^2/NDF : 5.9/10

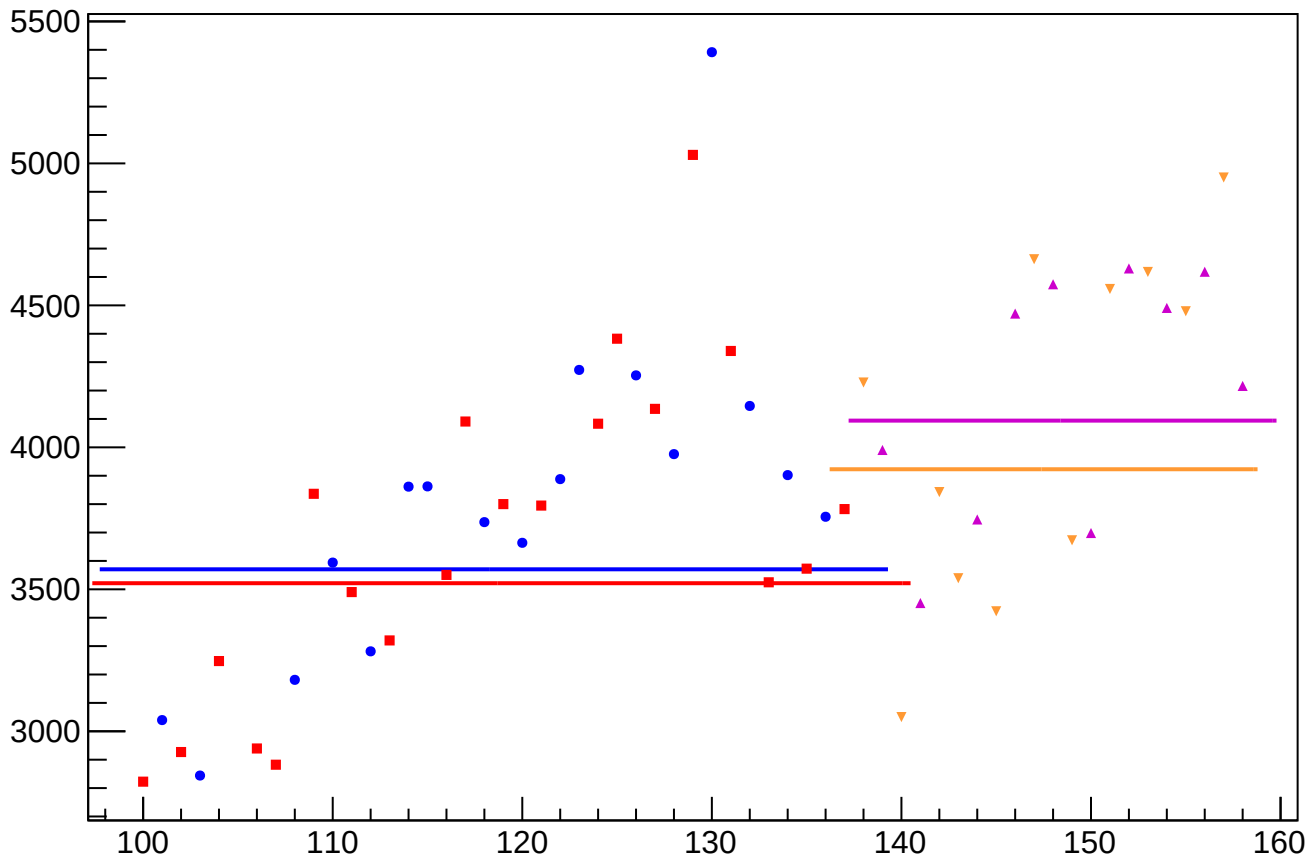
Right Out: -3.204 ± 1.331 χ^2/NDF : 16.0/19

Left In: -2.958 ± 1.443 χ^2/NDF : 15.2/9

-0.685 ± 0.990 χ^2/NDF : 33.8/27

-3.091 ± 0.978 χ^2/NDF : 31.2/29

diff_bpm16Y_rms vs Slug



Right In: 3570.481 ± 0.992 χ^2/NDF : 309699.2/16

Left Out: 3922.852 ± 0.989 χ^2/NDF : 387898.7/10

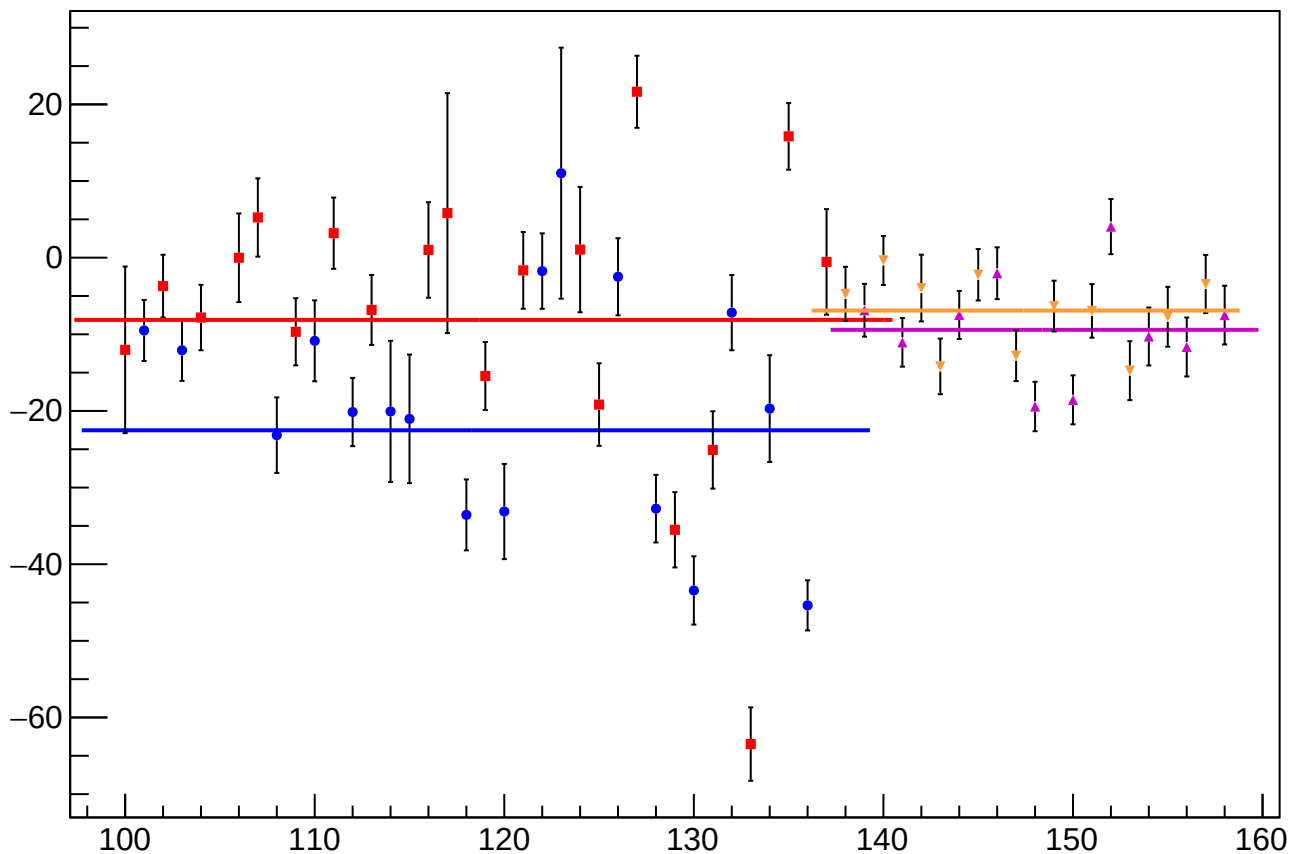
Right Out: 3521.513 ± 0.941 χ^2/NDF : 295082.3/19

Left In: 4094.112 ± 1.020 χ^2/NDF : 179390.8/9

3747.262 ± 0.700 χ^2/NDF : 760905.9/27

3784.613 ± 0.692 χ^2/NDF : 644667.4/29

diff_bpm0l01X_mean vs Slug



Right In: -22.526 ± 1.201 χ^2/NDF : 155.5/16

Left Out: -6.902 ± 1.077 χ^2/NDF : 19.2/10

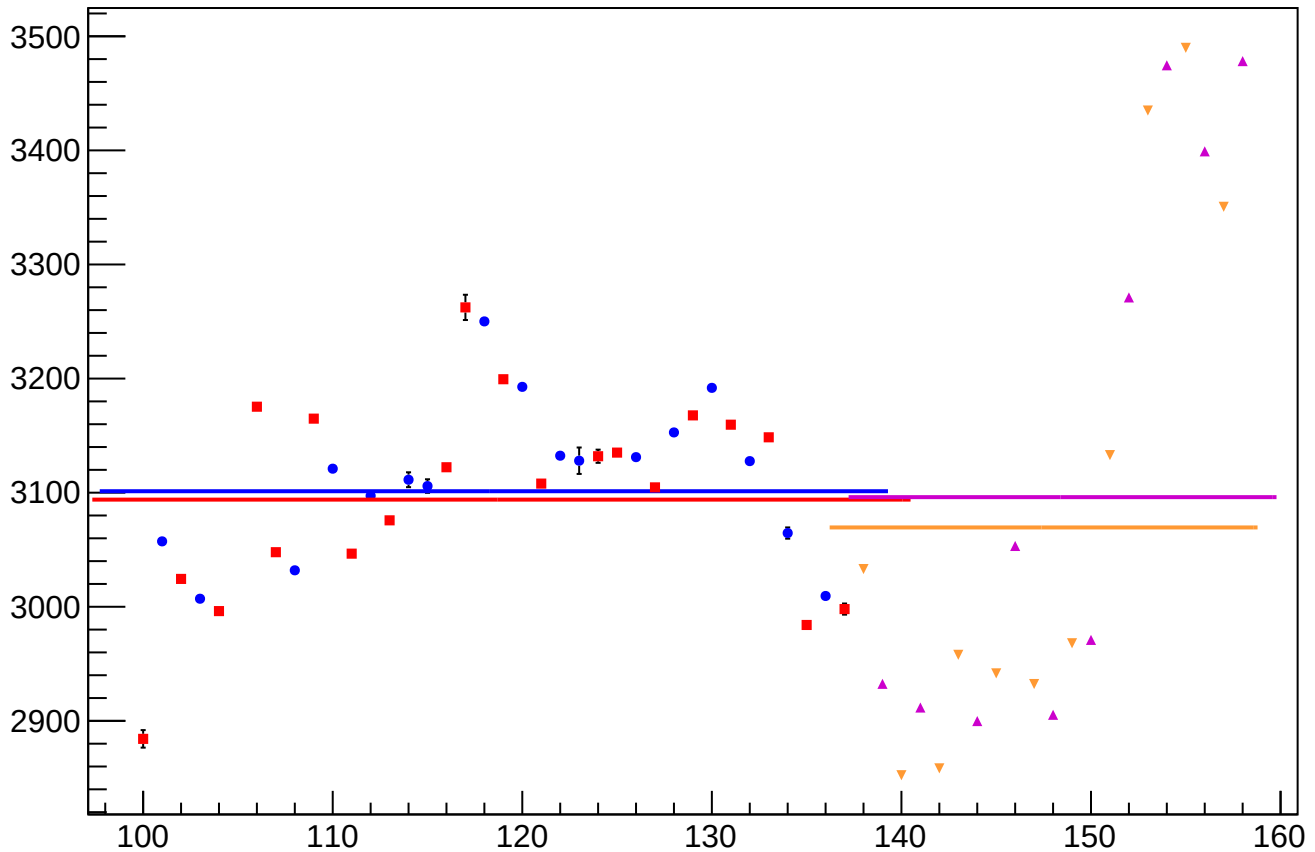
Right Out: -8.116 ± 1.154 χ^2/NDF : 276.6/19

Left In: -9.415 ± 1.084 χ^2/NDF : 38.5/9

-13.868 ± 0.802 χ^2/NDF : 268.6/27

-8.806 ± 0.790 χ^2/NDF : 315.8/29

diff_bpm0l01X_rms vs Slug



Right In: 3101.270 ± 0.849 χ^2/NDF : 7233.8/16

Left Out: 3069.522 ± 0.762 χ^2/NDF : 77082.1/10

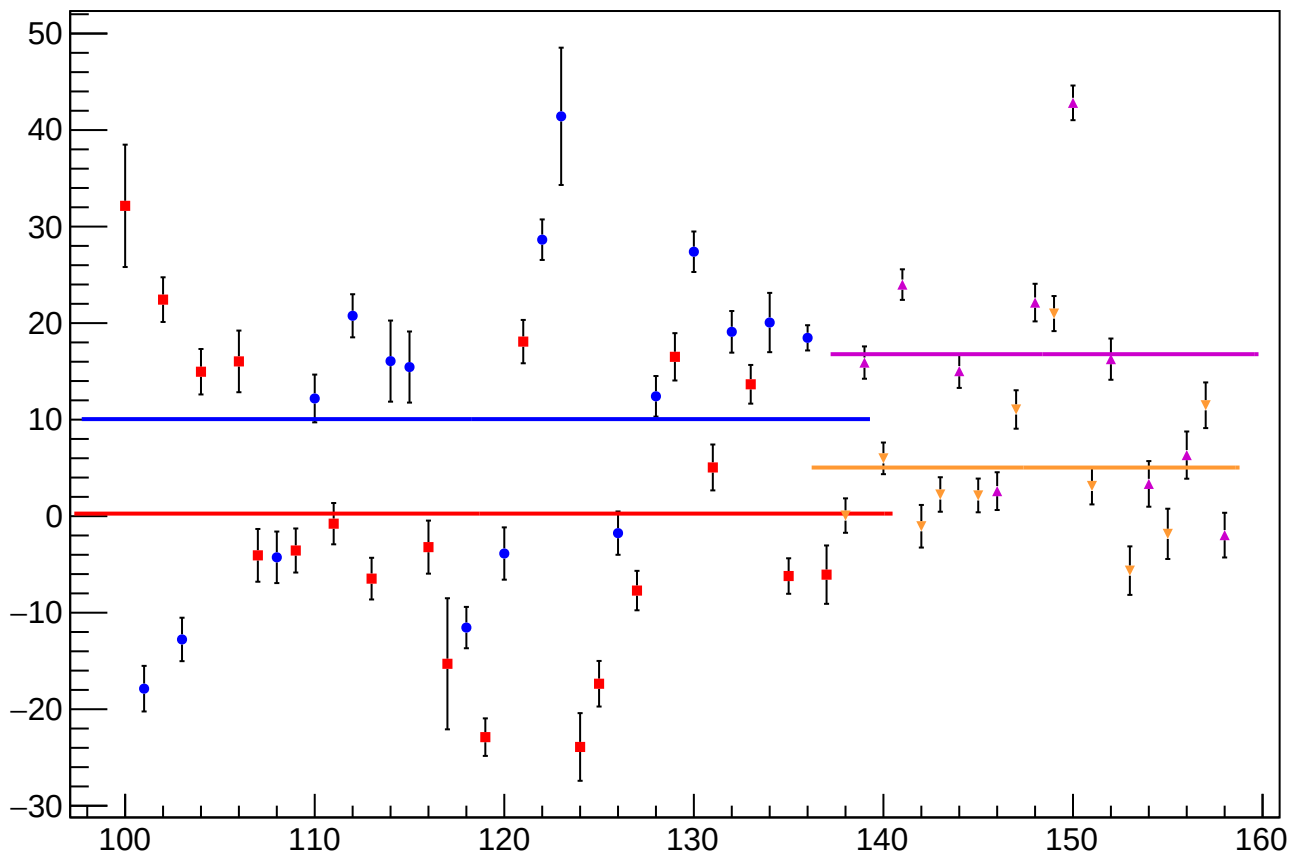
Right Out: 3093.913 ± 0.816 χ^2/NDF : 7998.9/19

Left In: 3096.082 ± 0.767 χ^2/NDF : 86642.4/9

3083.679 ± 0.567 χ^2/NDF : 85090.9/27

3095.065 ± 0.559 χ^2/NDF : 94645.0/29

diff_bpm0l01Y_mean vs Slug



Right In: 10.055 ± 0.562 $\chi^2/\text{NDF}: 692.2/16$

Left Out: 5.037 ± 0.593 $\chi^2/\text{NDF}: 140.6/10$

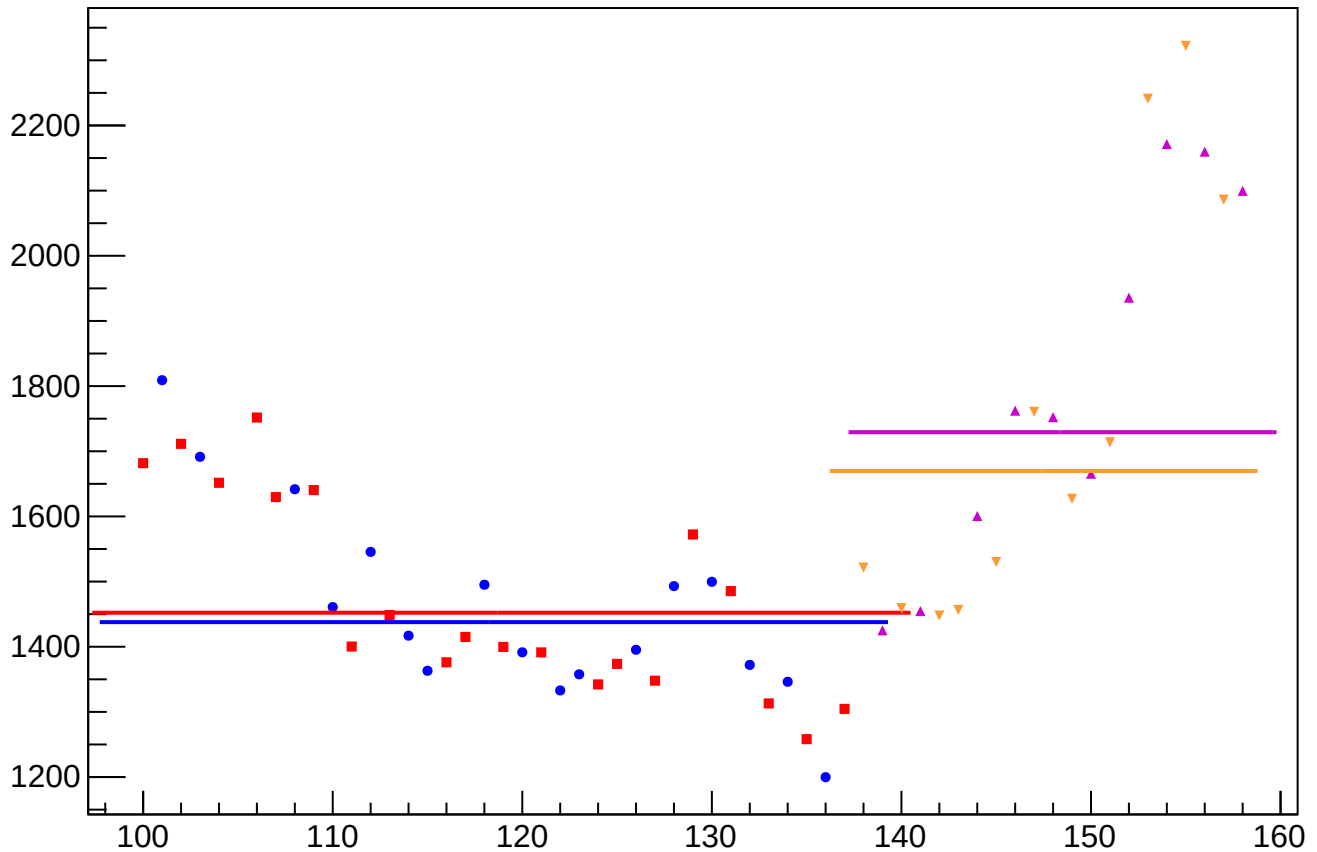
Right Out: 0.266 ± 0.545 $\chi^2/\text{NDF}: 635.1/19$

Left In: 16.781 ± 0.612 $\chi^2/\text{NDF}: 408.6/9$

7.682 ± 0.408 $\chi^2/\text{NDF}: 870.5/27$

7.579 ± 0.407 $\chi^2/\text{NDF}: 1450.0/29$

diff_bpm0l01Y_rms vs Slug



Right In: 1437.776 ± 0.397 χ^2/NDF : 173216.2/16

Left Out: 1669.757 ± 0.419 χ^2/NDF : 405421.3/10

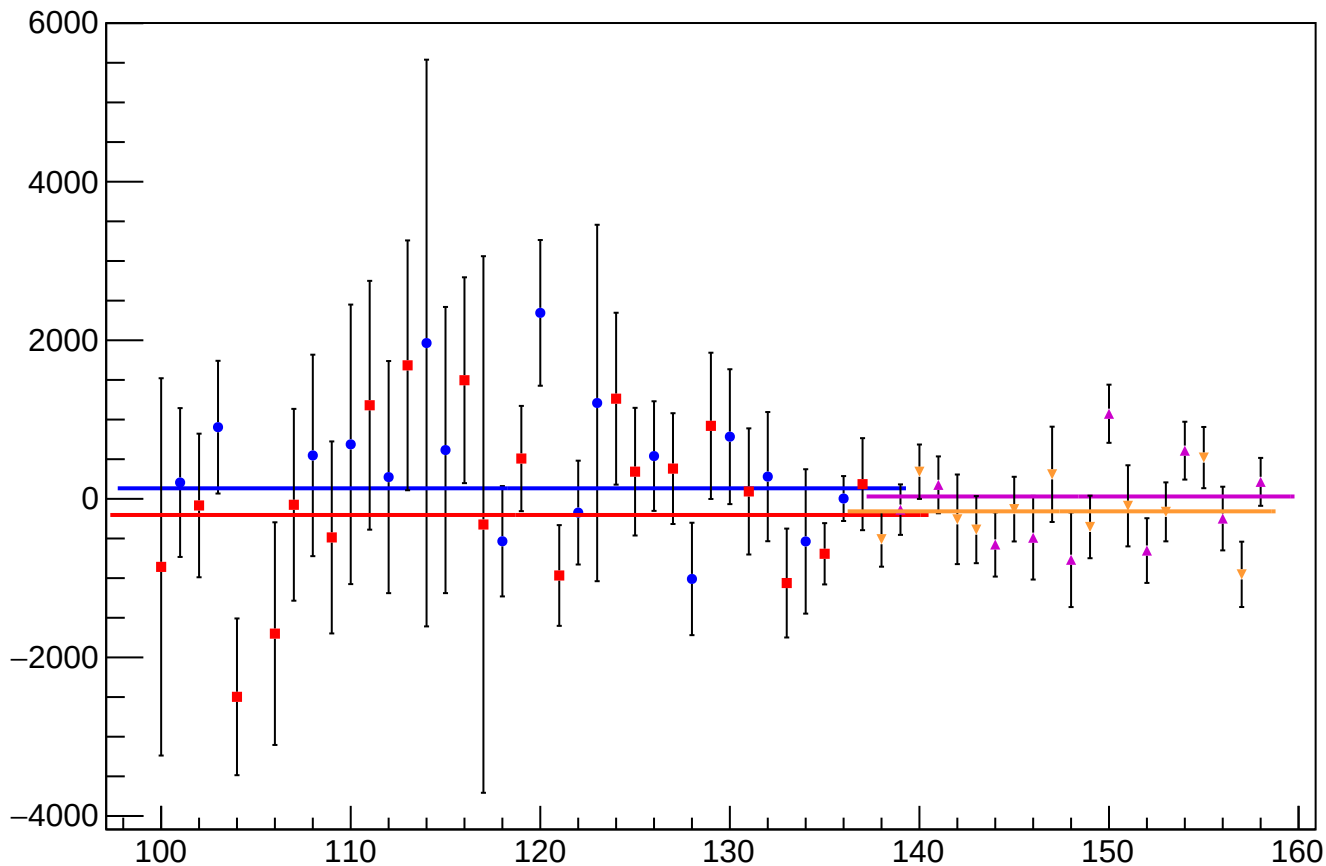
Right Out: 1452.227 ± 0.386 χ^2/NDF : 138666.1/19

Left In: 1729.270 ± 0.433 χ^2/NDF : 342100.8/9

1547.506 ± 0.288 χ^2/NDF : 740029.1/27

1574.895 ± 0.288 χ^2/NDF : 709378.1/29

asym_sam1_mean vs Slug



Right In: 132.921 ± 180.271 χ^2/NDF : 12.9/16

Left Out: -157.515 ± 124.642 χ^2/NDF : 11.2/10

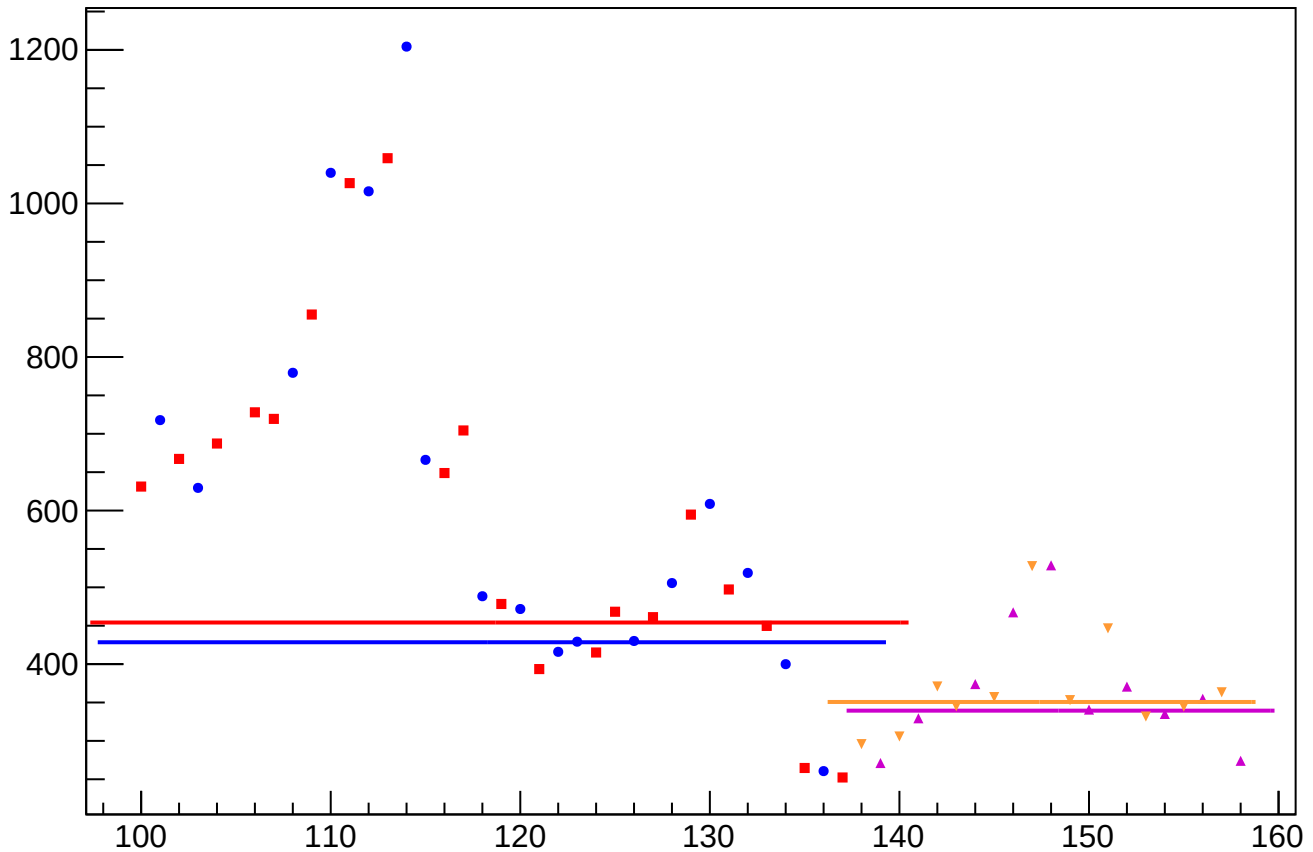
Right Out: -203.418 ± 184.080 χ^2/NDF : 21.4/19

Left In: 29.947 ± 121.060 χ^2/NDF : 19.7/9

-63.578 ± 102.522 χ^2/NDF : 25.8/27

-40.511 ± 101.147 χ^2/NDF : 42.2/29

asym_sam1_rms vs Slug



Right In: 428.460+/-0.127 χ^2/NDF : 2011453.8/16

Left Out: 350.684+/-0.088 χ^2/NDF : 338968.6/10

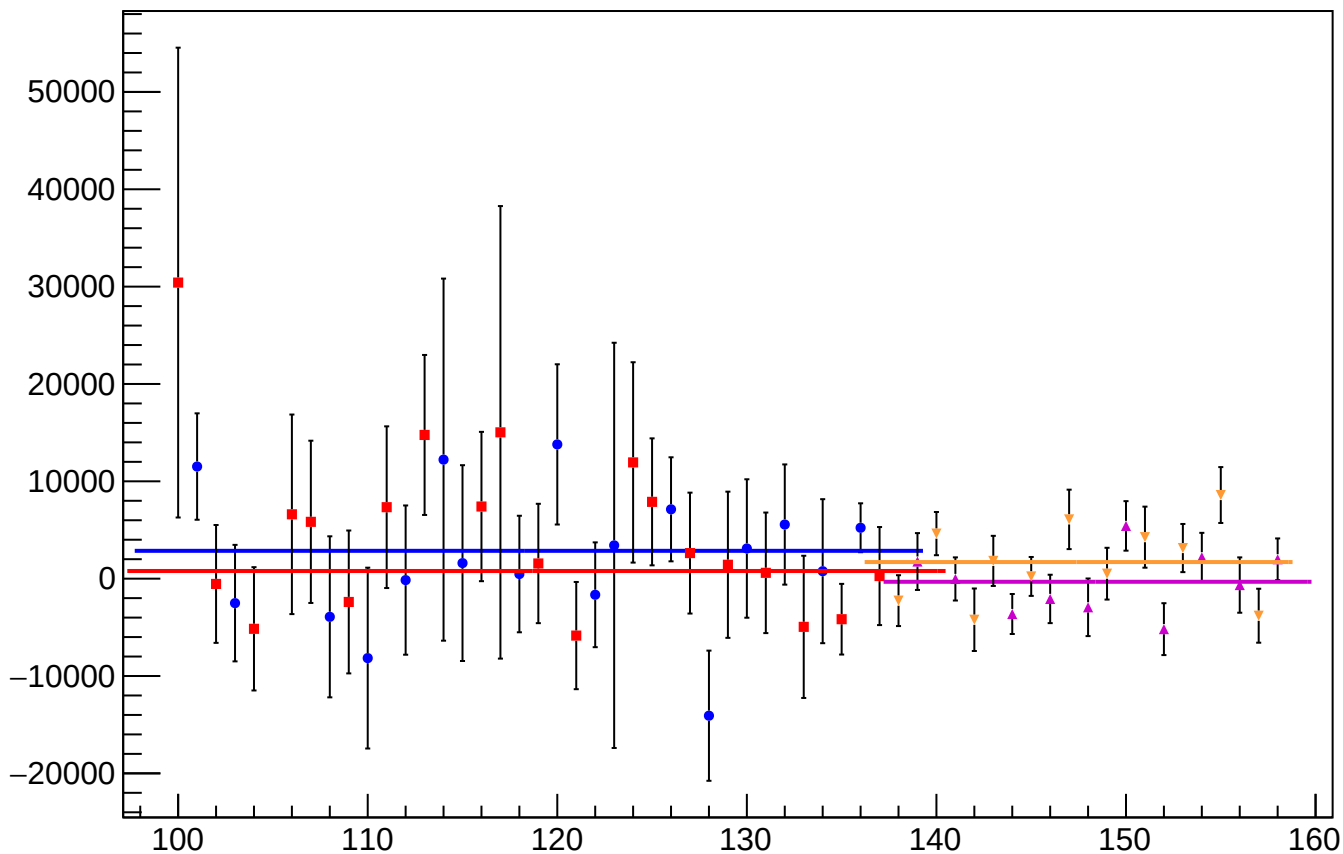
Right Out: 454.177+/-0.130 χ^2/NDF : 2040775.1/19

Left In: 339.378+/-0.086 χ^2/NDF : 535495.1/9

375.840+/-0.072 χ^2/NDF : 2602295.2/27

374.039+/-0.072 χ^2/NDF : 3119267.7/29

asym_sam2_mean vs Slug



Right In: 2859.622 $\pm$ 1447.884 χ^2 /NDF: 16.7/16

Left Out: 1705.837 $\pm$ 787.376 χ^2 /NDF:21.0/10

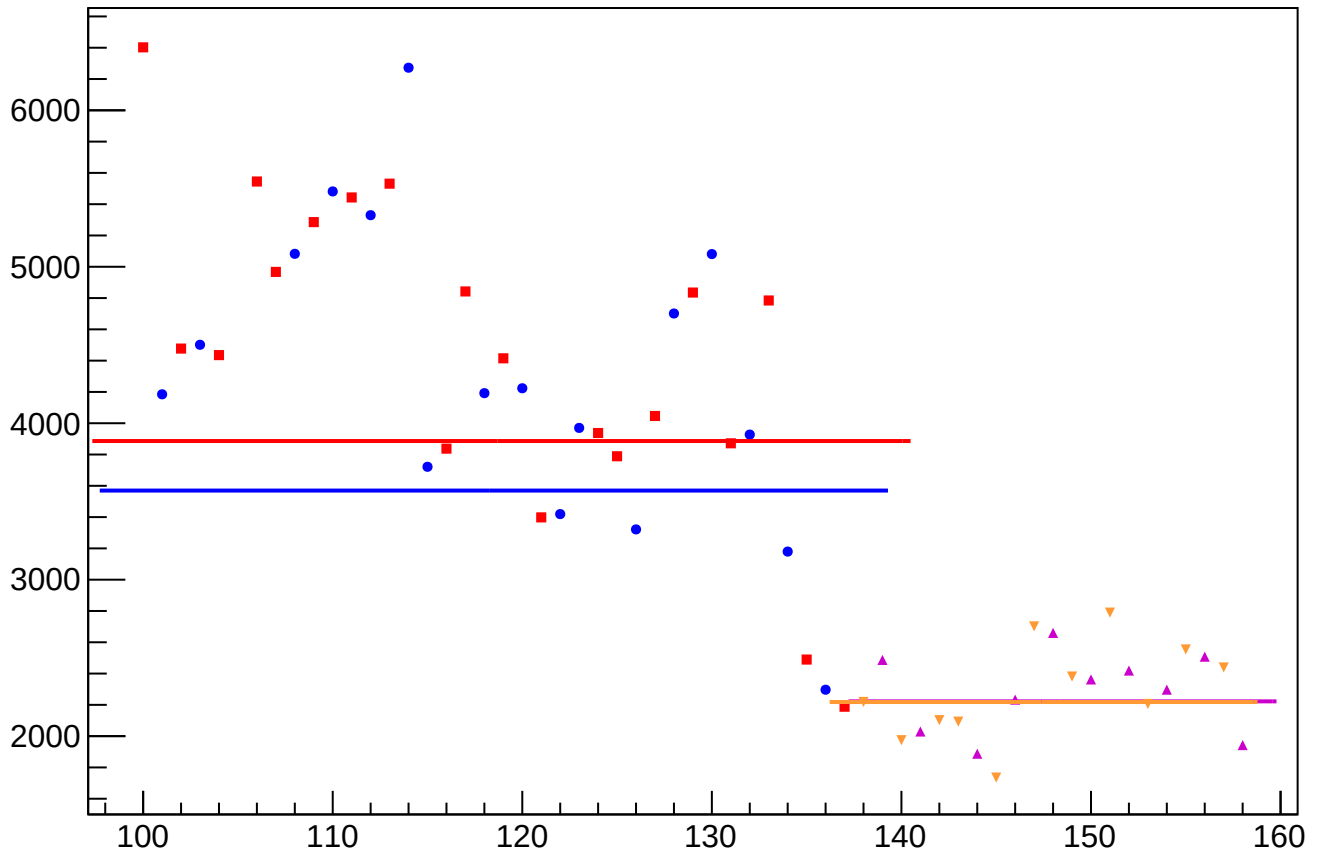
Right Out: 789.608 $\pm$ 1506.053 χ^2 /NDF: 14.4/19

Left In: -320.298 $\pm$ 783.122 χ^2 /NDF:15.0/9

1969.171 $\pm$ 691.711 χ^2 /NDF: 38.1/27

-84.071 $\pm$ 694.804 χ^2 /NDF: 29.8/29

asym_sam2_rms vs Slug



Right In: 3569.631+/-1.024 χ^2/NDF : 1087935.4/16

Left Out: 2218.163+/-0.557 χ^2/NDF : 312514.9/10

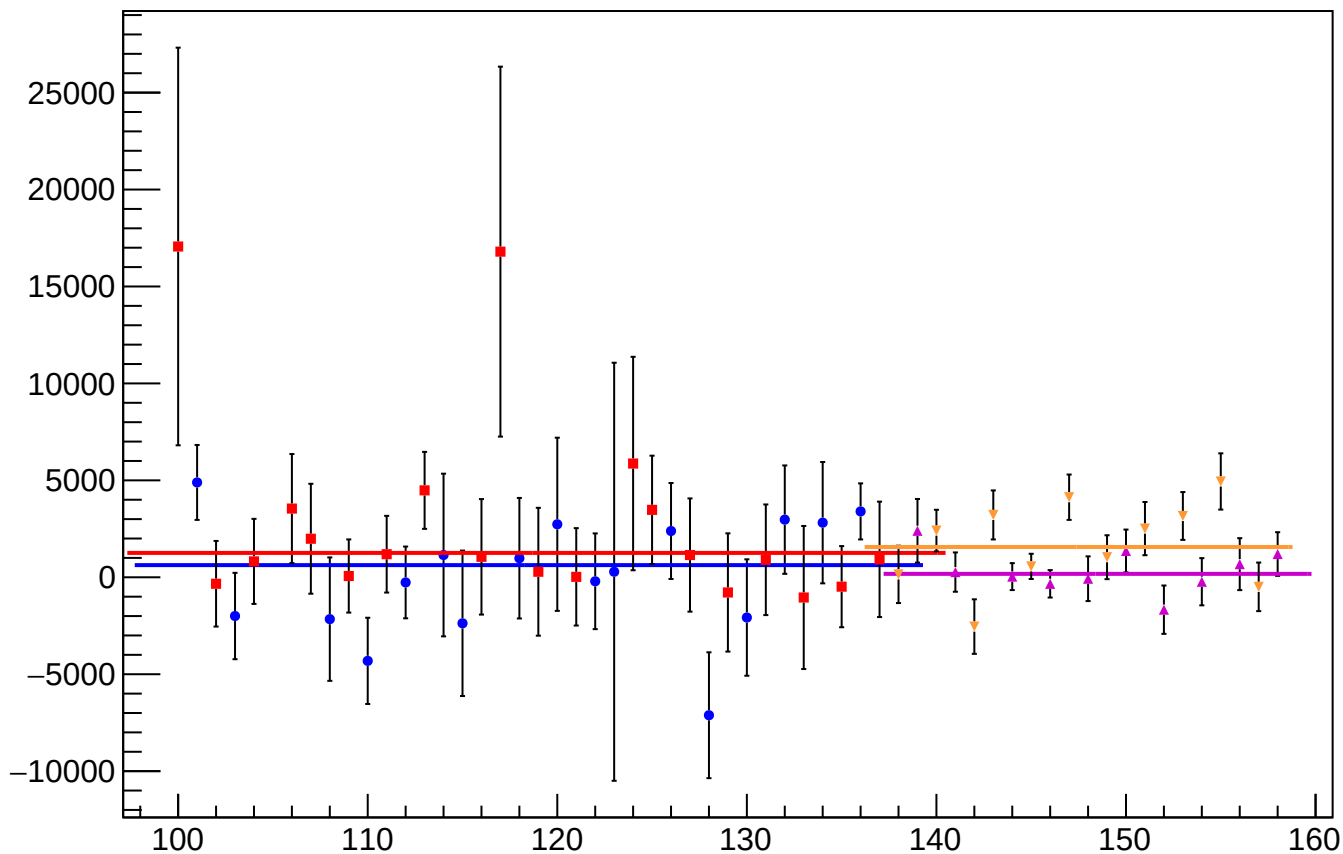
Right Out: 3886.199+/-1.065 χ^2/NDF : 986485.7/19

Left In: 2222.350+/-0.554 χ^2/NDF : 201421.7/9

2526.615+/-0.489 χ^2/NDF : 2745255.8/27

2576.476+/-0.491 χ^2/NDF : 3109419.6/29

asym_sam3_mean vs Slug



Right In: 627.655 ± 620.929 χ^2/NDF : 25.1/16

Left Out: 1563.082 ± 340.306 χ^2/NDF : 29.5/10

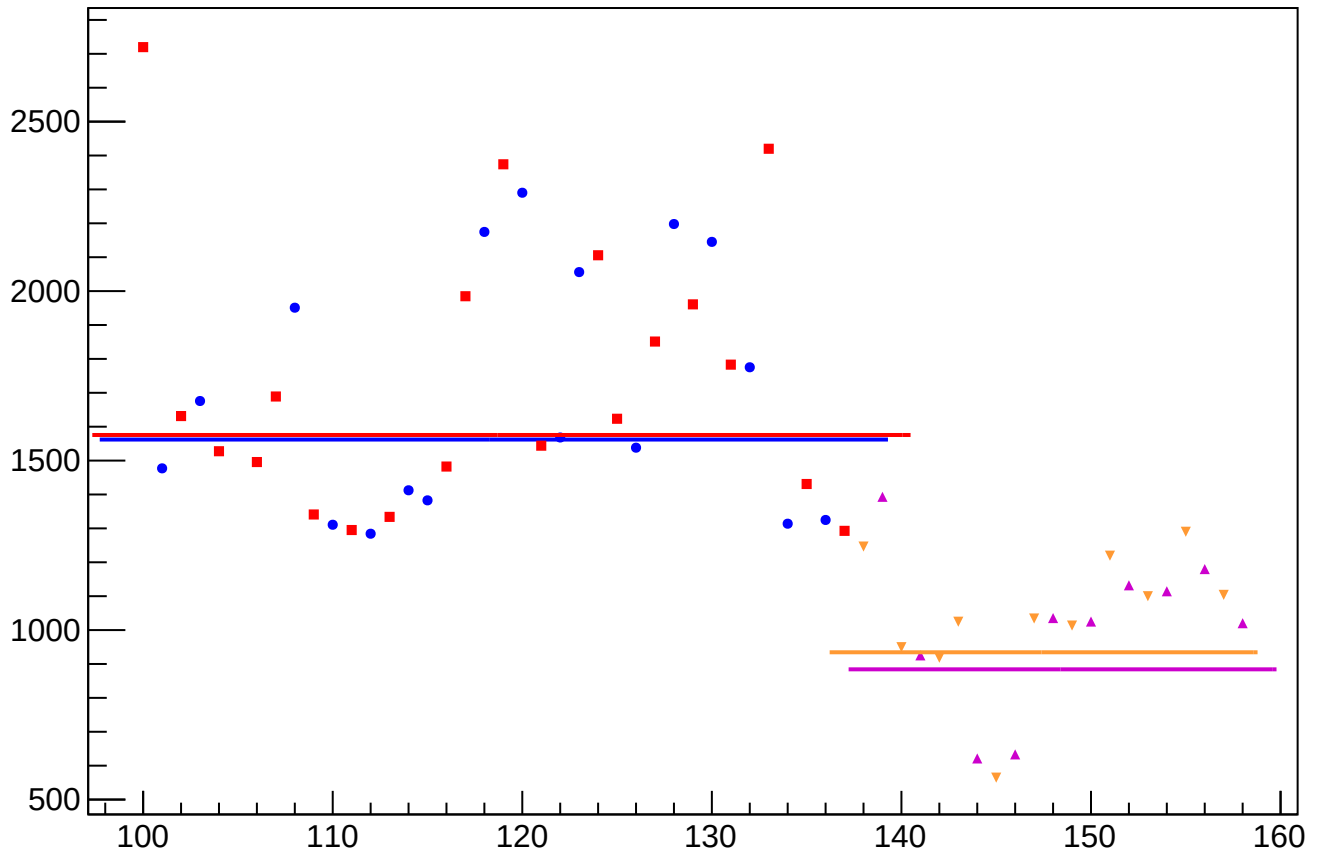
Right Out: 1257.467 ± 601.857 χ^2/NDF : 12.6/19

Left In: 176.791 ± 321.918 χ^2/NDF : 6.9/9

1347.010 ± 298.426 χ^2/NDF : 56.3/27

417.187 ± 283.863 χ^2/NDF : 22.0/29

asym_sam3_rms vs Slug



Right In: 1562.101+/-0.439 χ^2/NDF : 482088.3/16

Left Out: 934.493+/-0.241 χ^2/NDF :1049935.9/10

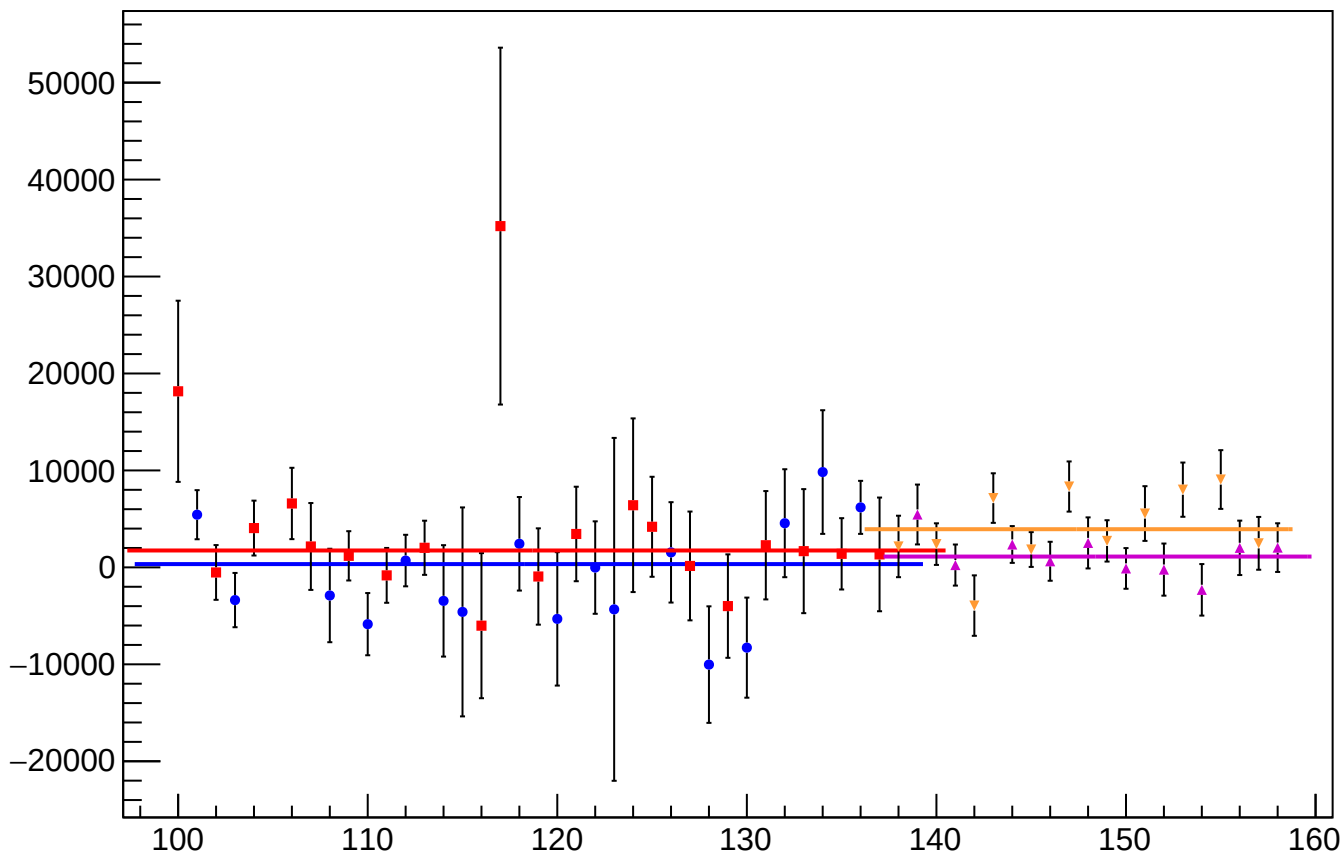
Right Out: 1575.541+/-0.426 χ^2/NDF : 467687.2/19

Left In: 884.186+/-0.228 χ^2/NDF :1077760.6/9

1079.463+/-0.211 χ^2/NDF : 3103315.1/27

1037.978+/-0.201 χ^2/NDF : 3597434.5/29

asym_sam4_mean vs Slug



Right In: 338.117 ± 995.842 χ^2/NDF : 24.8/16

Left Out: 3936.724 ± 756.120 χ^2/NDF : 19.0/10

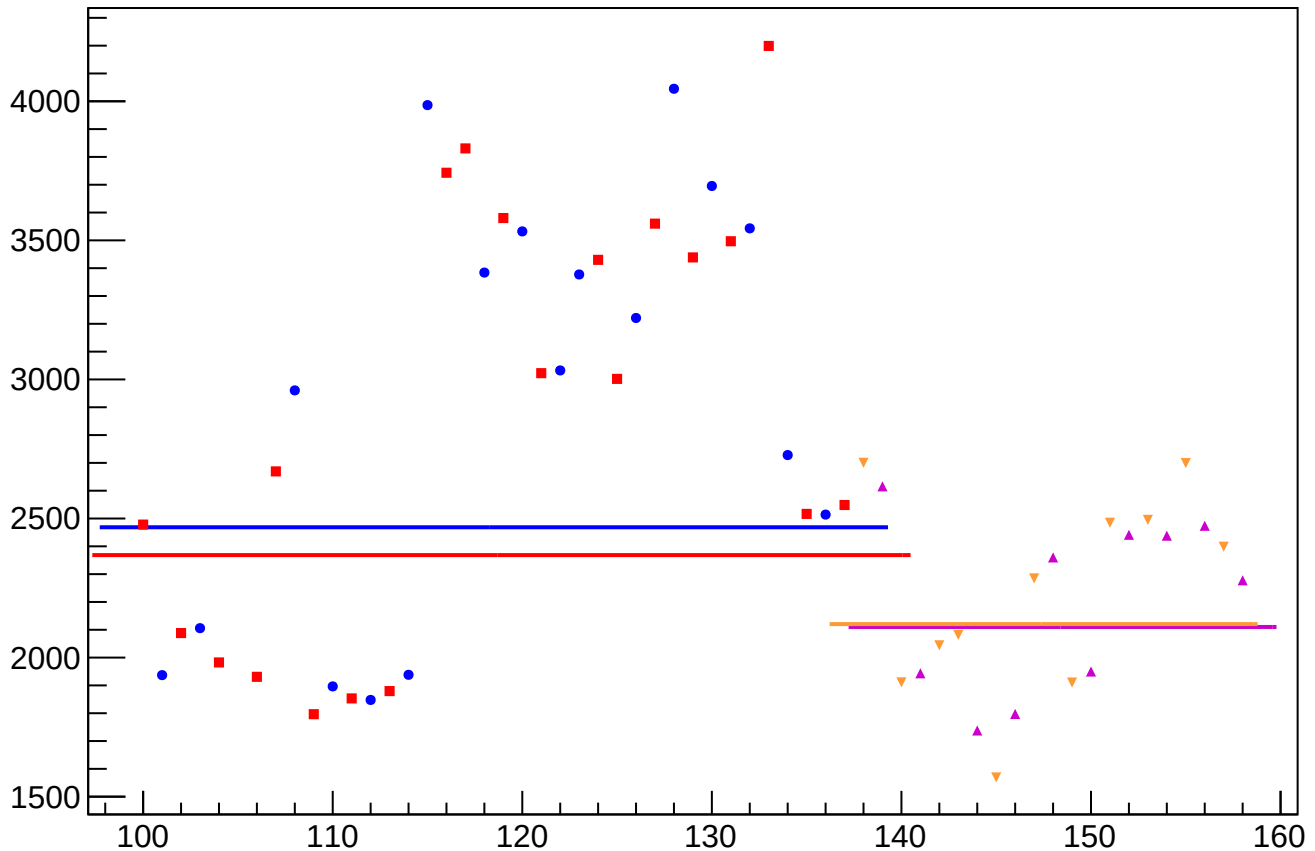
Right Out: 1742.470 ± 923.289 χ^2/NDF : 13.6/19

Left In: 1114.910 ± 747.464 χ^2/NDF : 5.4/9

2620.770 ± 602.204 χ^2/NDF : 52.0/27

1363.370 ± 580.950 χ^2/NDF : 19.3/29

asym_sam4_rms vs Slug



Right In: 2468.489+/-0.704 χ^2/NDF : 896153.6/16

Left Out: 2120.393+/-0.535 χ^2/NDF : 466951.8/10

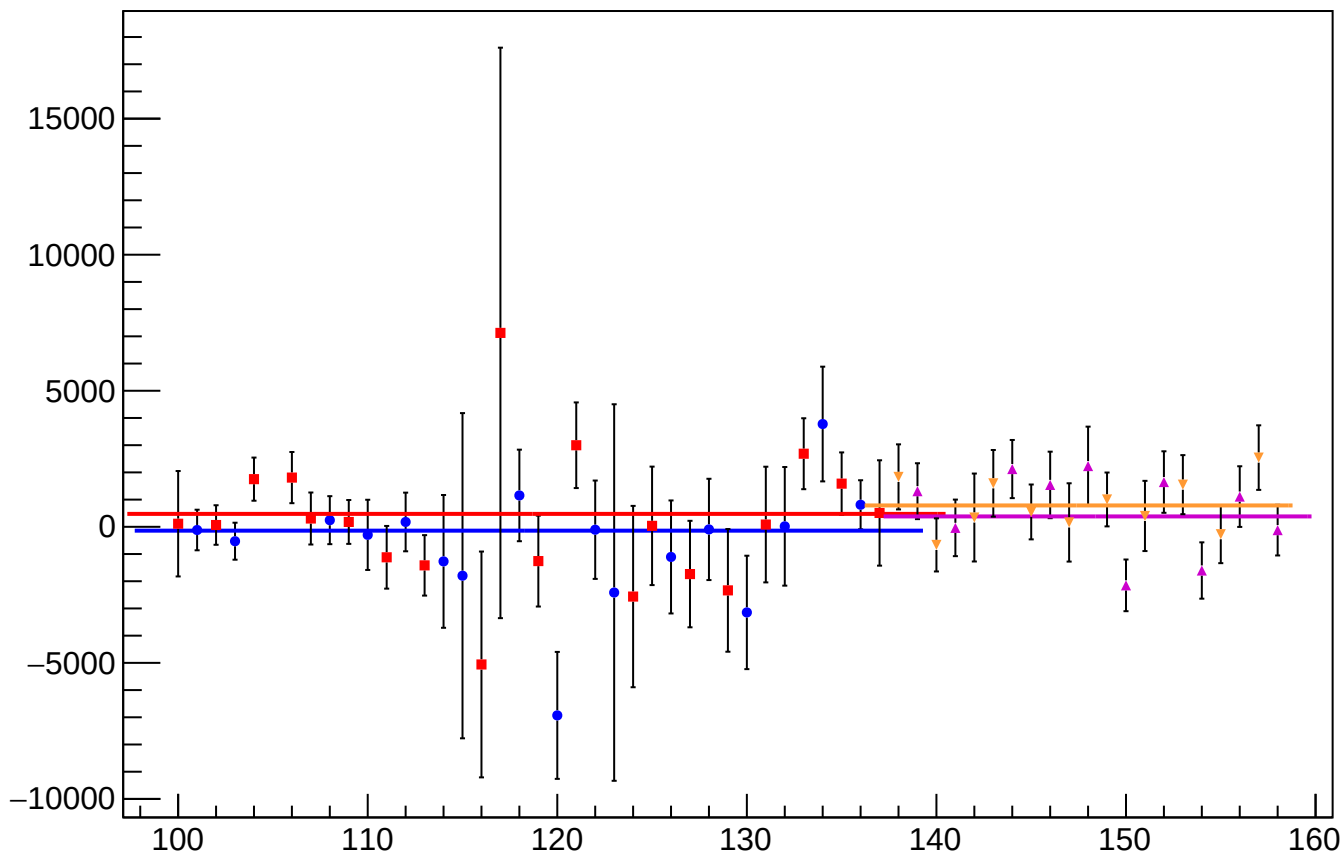
2247.686+/-0.426 χ^2/NDF : 1518113.1/27

Right Out: 2368.521+/-0.653 χ^2/NDF : 1037811.8/19

2212.424+/-0.411 χ^2/NDF : 1456926.7/29

Left In: 2110.119+/-0.529 χ^2/NDF : 324481.2/9

asym_sam5_mean vs Slug



Right In: -141.213+/-313.319 χ^2/NDF : 16.9/16

Left Out: 785.561+/-346.466 χ^2/NDF : 7.6/10

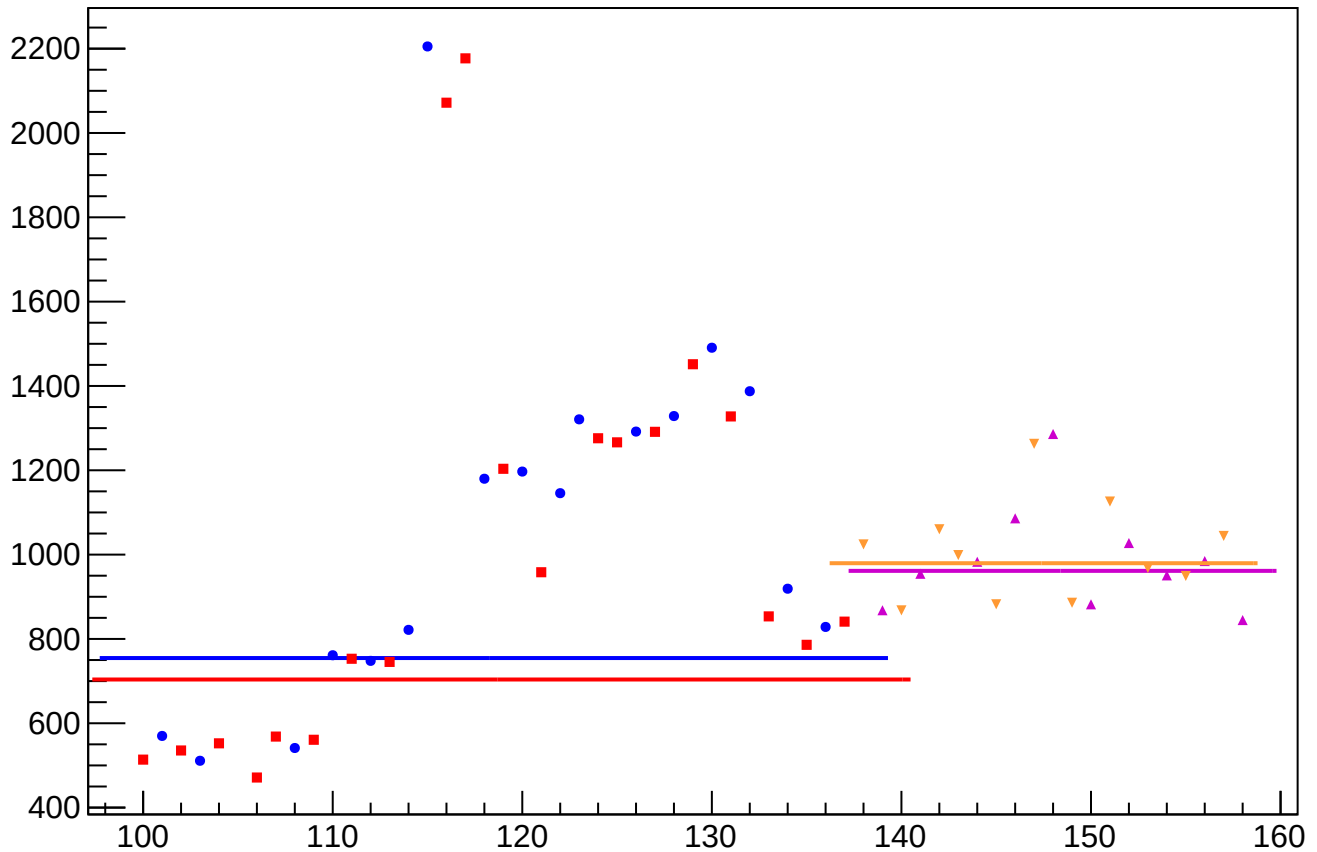
Right Out: 474.987+/-282.789 χ^2/NDF : 23.3/19

Left In: 382.082+/-339.445 χ^2/NDF : 18.9/9

275.731+/-232.387 χ^2/NDF : 28.4/27

436.924+/-217.270 χ^2/NDF : 42.3/29

asym_sam5_rms vs Slug



Right In: 754.684+/-0.222 χ^2/NDF : 1690621.2/16

Left Out: 979.597+/-0.245 χ^2/NDF : 182085.2/10

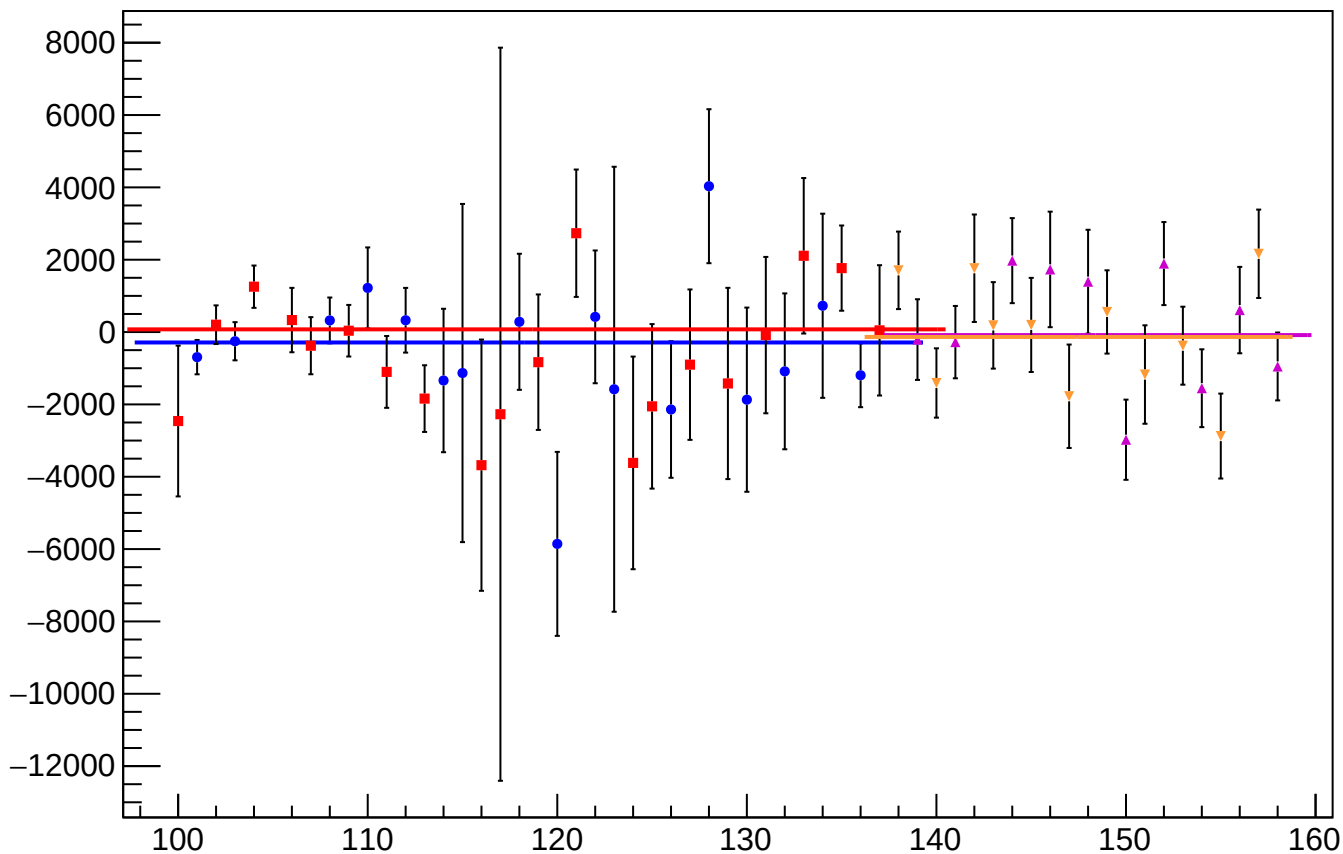
855.869+/-0.164 χ^2/NDF : 2336357.2/27

Right Out: 703.794+/-0.200 χ^2/NDF : 1731134.6/19

809.356+/-0.154 χ^2/NDF : 2603244.4/29

Left In: 961.452+/-0.240 χ^2/NDF : 191882.5/9

asym_sam6_mean vs Slug



Right In: -288.037+/-250.436 χ^2/NDF : 16.2/16

Left Out: -135.178+/-359.378 χ^2/NDF : 17.8/10

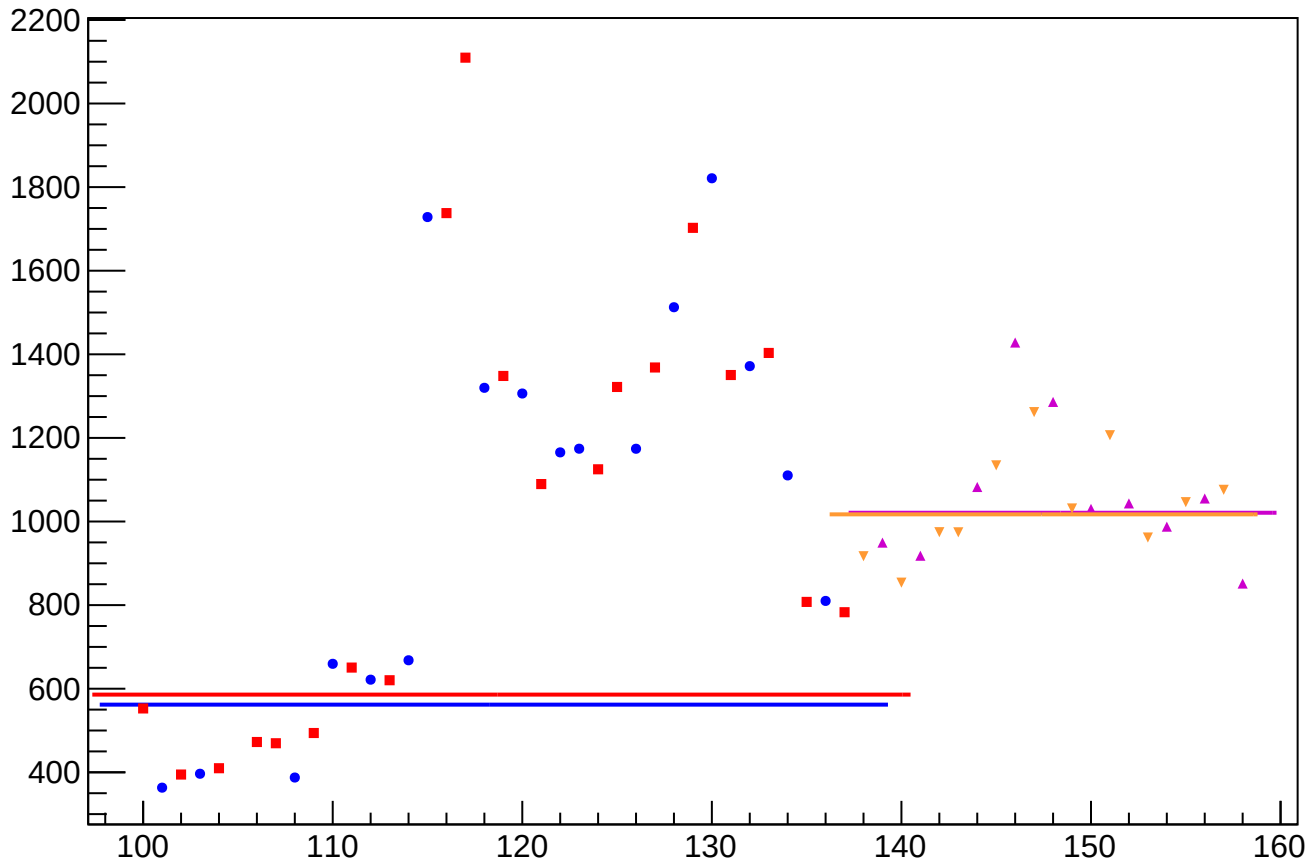
Right Out: 74.735+/-246.011 χ^2/NDF : 21.4/19

Left In: -83.794+/-360.877 χ^2/NDF : 18.3/9

-238.071+/-205.468 χ^2/NDF : 34.1/27

24.438+/-203.272 χ^2/NDF : 39.9/29

asym_sam6_rms vs Slug



Right In: 561.894+/-0.177 χ^2/NDF : 3216651.3/16

Left Out: 1017.121+/-0.254 χ^2/NDF : 204778.5/10

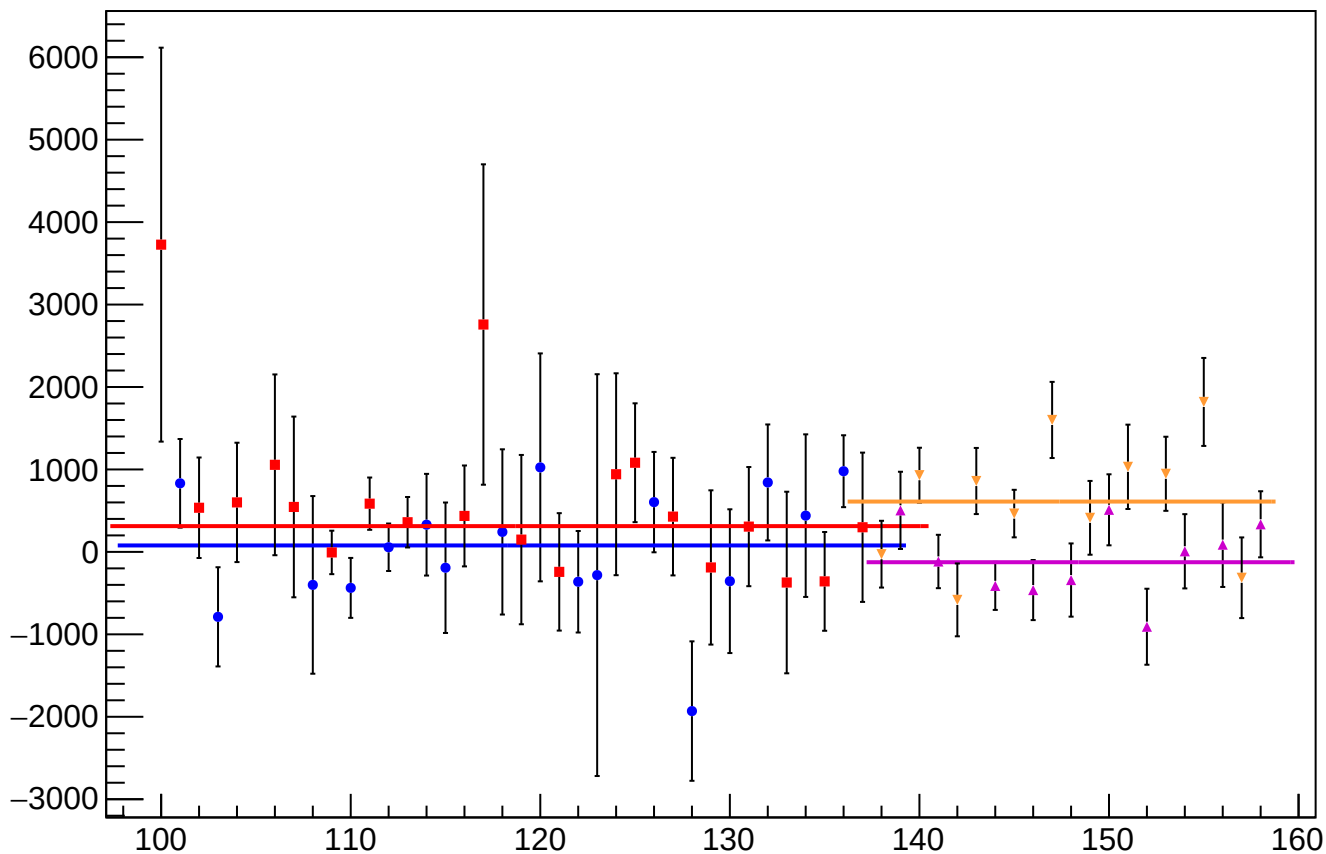
710.697+/-0.145 χ^2/NDF : 5581554.7/27

Right Out: 585.891+/-0.174 χ^2/NDF : 2869692.7/19

723.927+/-0.144 χ^2/NDF : 5157067.3/29

Left In: 1020.959+/-0.255 χ^2/NDF : 302782.3/9

asym_sam7_mean vs Slug



Right In: 78.184 ± 142.869 χ^2/NDF : 19.8/16

Left Out: 610.515 ± 124.382 χ^2/NDF : 26.1/10

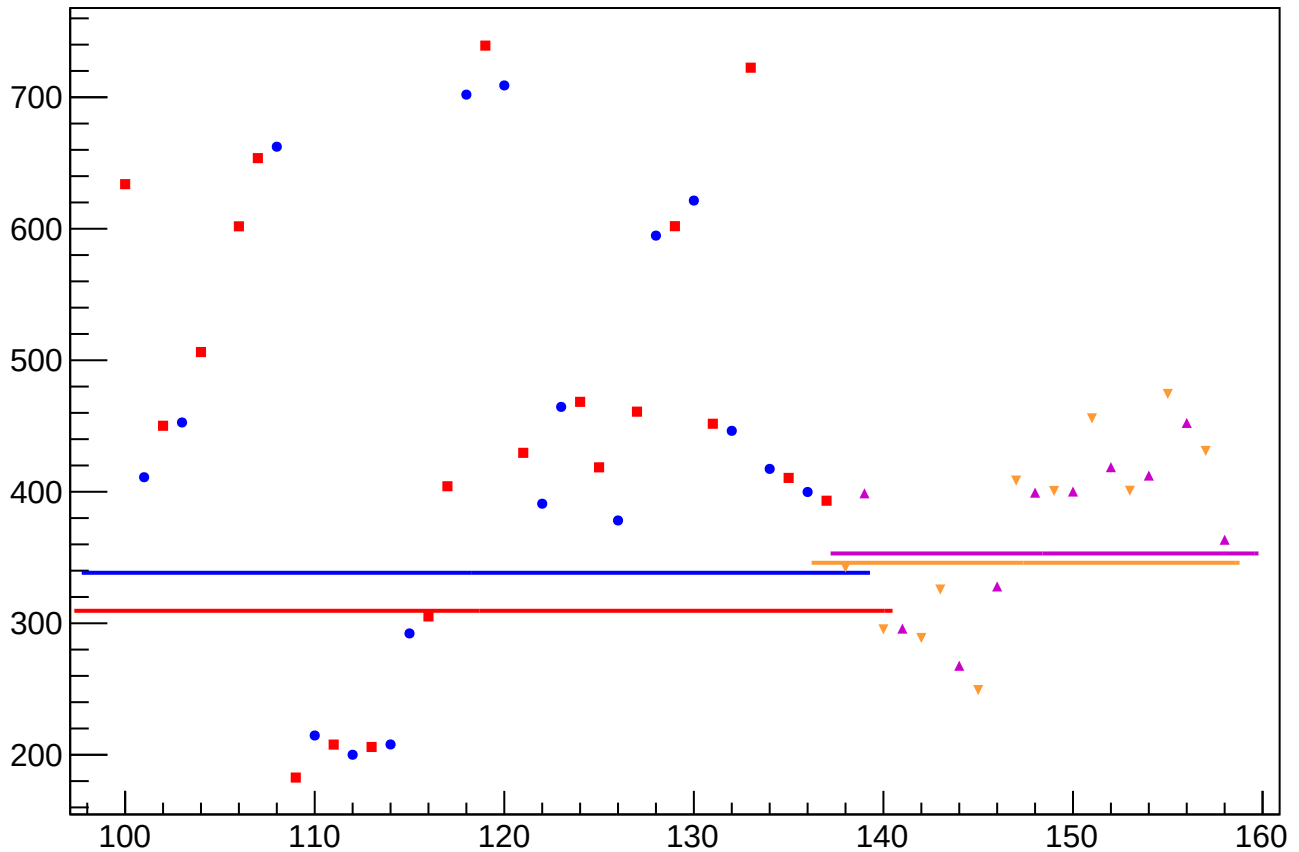
Right Out: 312.536 ± 129.362 χ^2/NDF : 10.7/19

Left In: -125.233 ± 125.457 χ^2/NDF : 10.5/9

380.999 ± 93.811 χ^2/NDF : 53.7/27

86.945 ± 90.061 χ^2/NDF : 27.1/29

asym_sam7_rms vs Slug



Right In: 338.408 $\pm$ 0.101 χ^2 /NDF: 2009287.1/16

Left Out: 346.009 $\pm$ 0.088 χ^2 /NDF: 674835.2/10

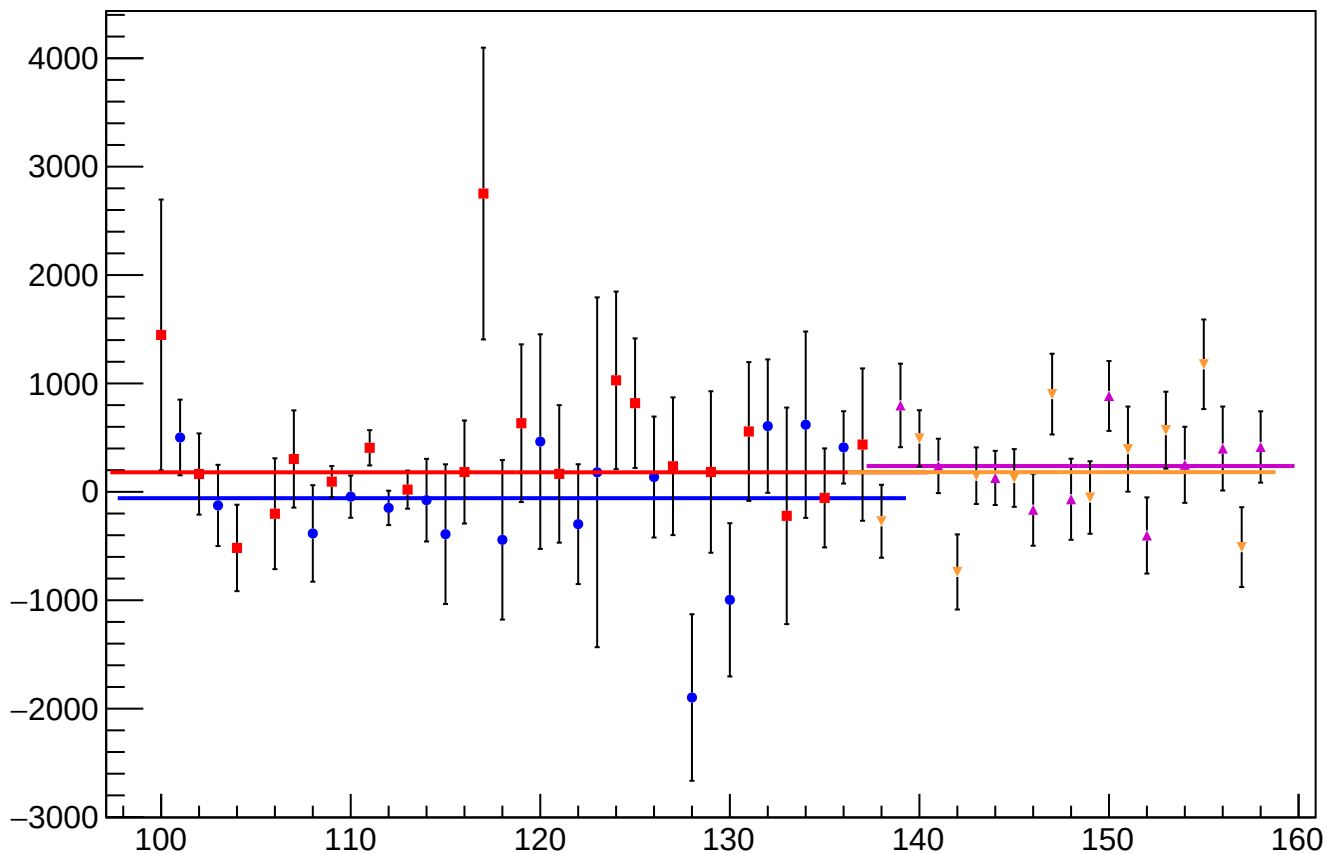
Right Out: 309.503 $\pm$ 0.091 χ^2 /NDF: 2738236.3/19

Left In: 353.096 $\pm$ 0.089 χ^2 /NDF: 459551.5/9

342.732 $\pm$ 0.066 χ^2 /NDF: 2687342.7/27

331.967 $\pm$ 0.064 χ^2 /NDF: 3314828.0/29

asym_sam8_mean vs Slug



Right In: -58.299 ± 90.484 χ^2/NDF : 15.9/16

Left Out: 181.600 ± 97.821 χ^2/NDF : 25.4/10

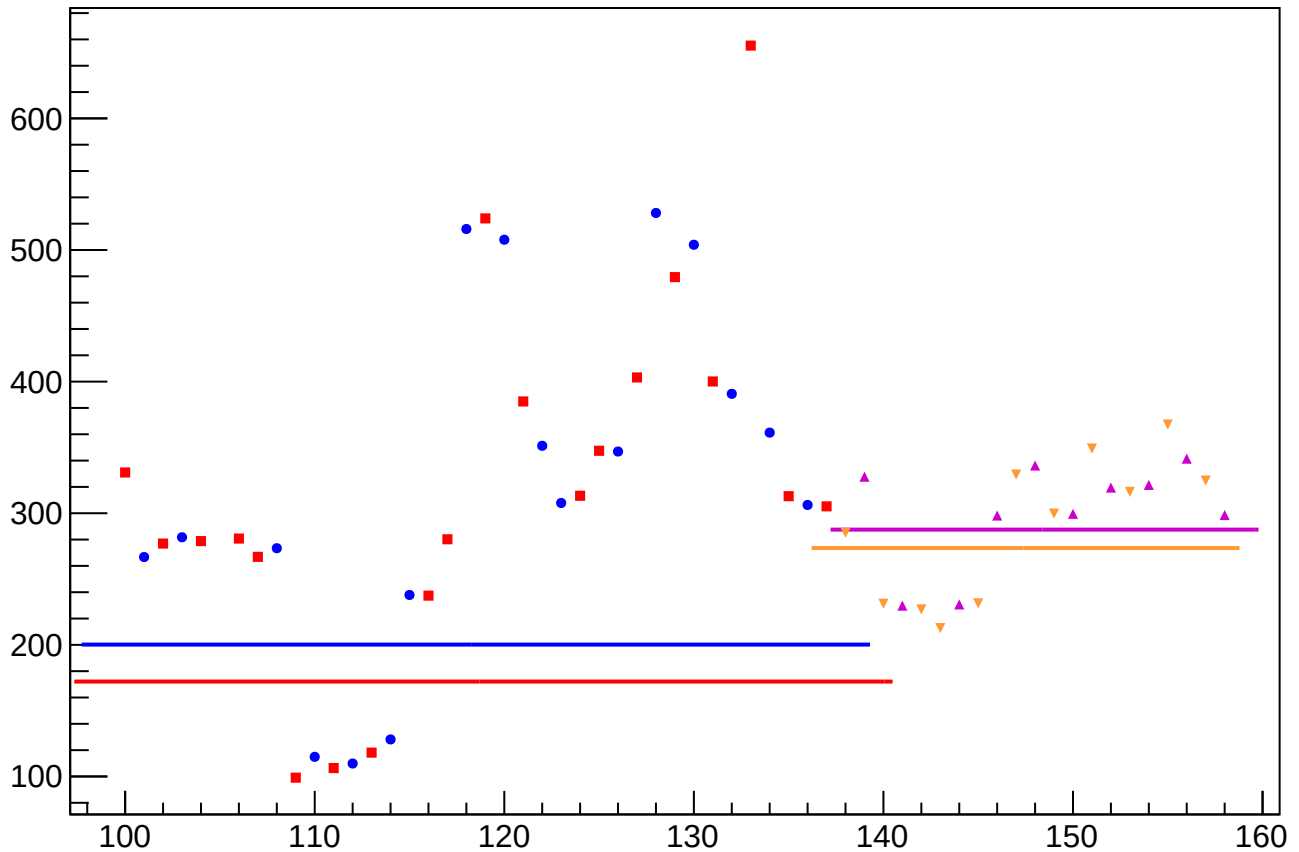
Right Out: 180.354 ± 76.795 χ^2/NDF : 15.0/19

Left In: 238.232 ± 101.745 χ^2/NDF : 12.2/9

52.318 ± 66.424 χ^2/NDF : 44.5/27

201.360 ± 61.295 χ^2/NDF : 27.5/29

asym_sam8_rms vs Slug



Right In: 200.209+/-0.064 χ^2/NDF : 3387197.7/16

Left Out: 273.556+/-0.069 χ^2/NDF :551842.6/10

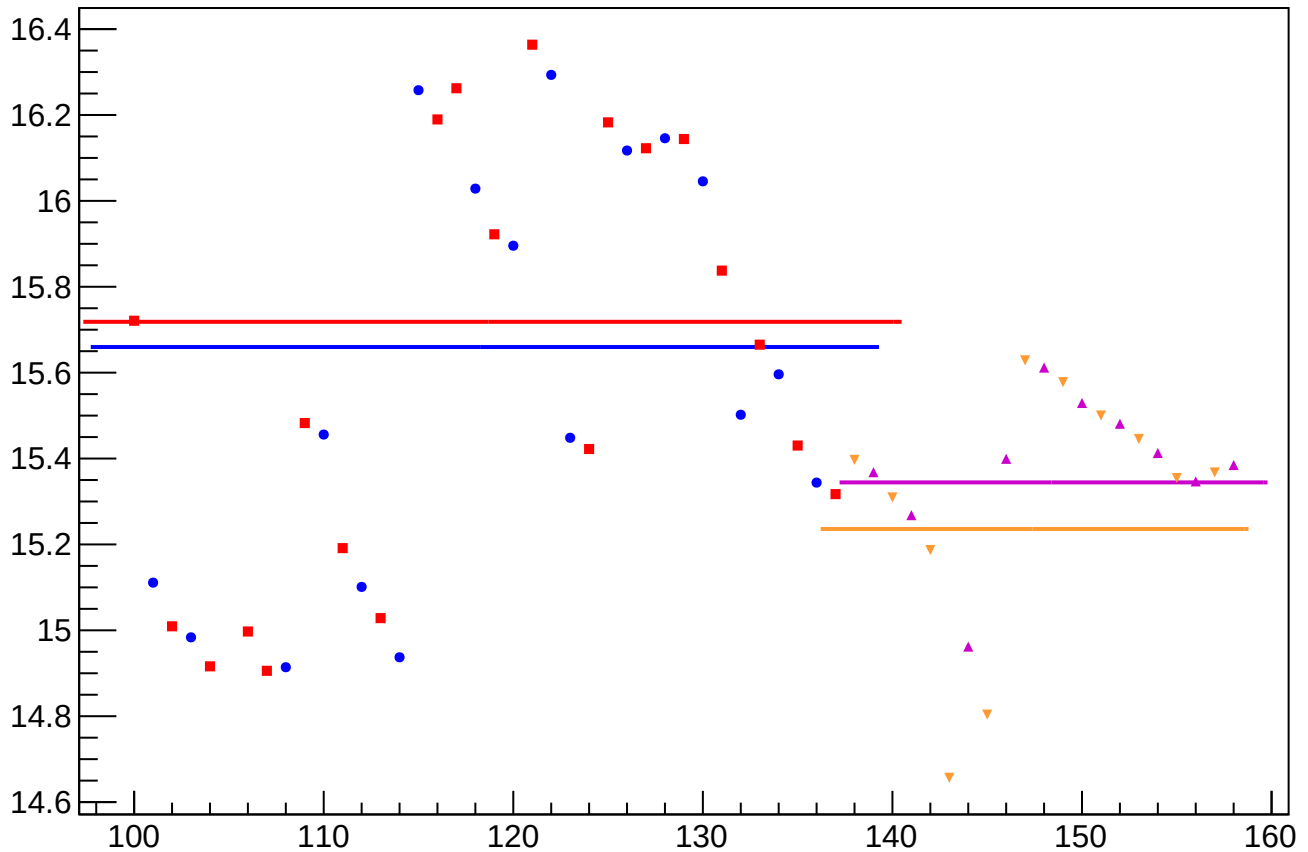
234.029+/-0.047 χ^2/NDF : 4545006.3/27

Right Out: 172.110+/-0.054 χ^2/NDF : 4106869.2/19

214.009+/-0.043 χ^2/NDF : 6093432.1/29

Left In: 287.558+/-0.072 χ^2/NDF :346126.7/9

yield_sam1_mean vs Slug



Right In: 15.660 $\pm$ 0.000 χ^2 /NDF: 5782644553.5/16

Left Out: 15.236 $\pm$ 0.000 χ^2 /NDF: 6210706609.9/10

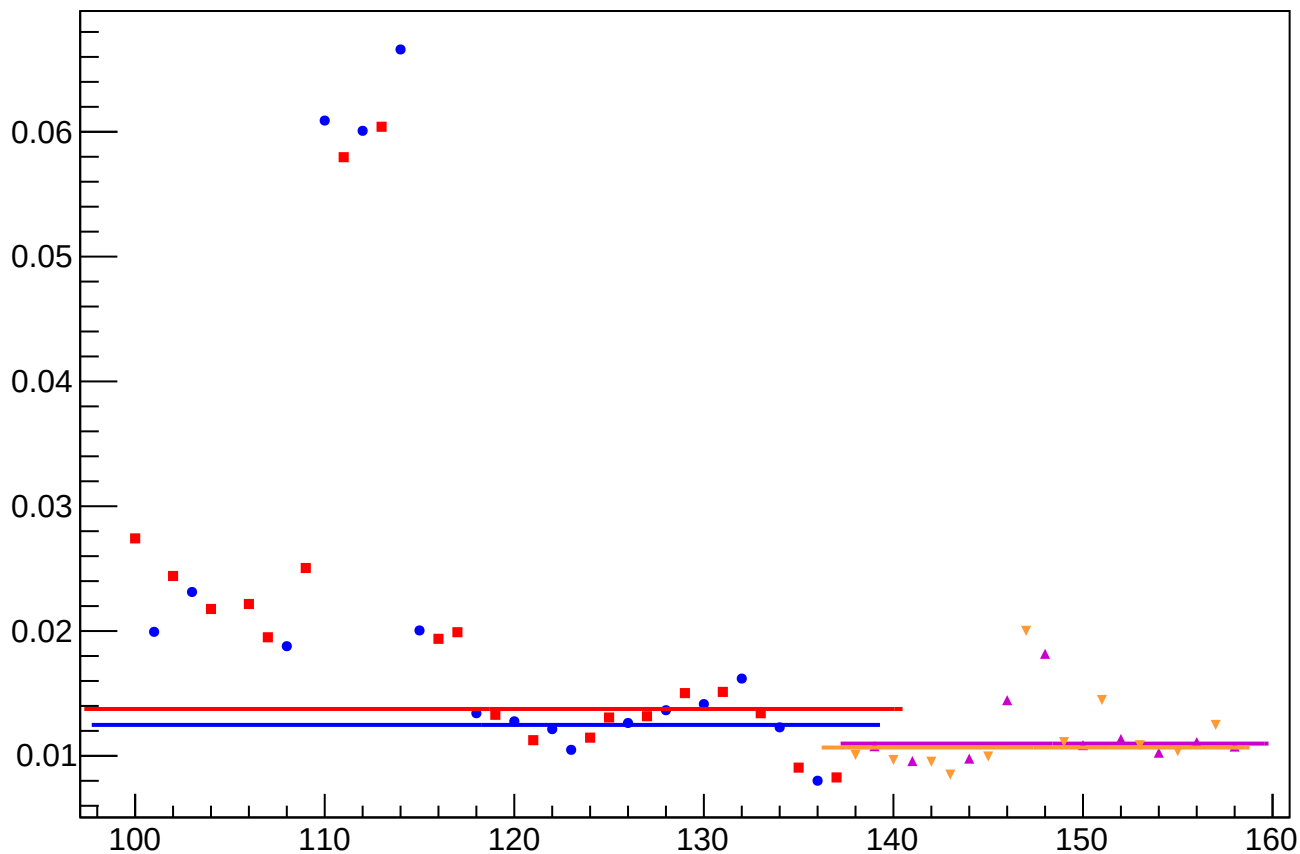
15.379 $\pm$ 0.000 χ^2 /NDF: 15929827897.7/27

Right Out: 15.718 $\pm$ 0.000 χ^2 /NDF: 5490626945.9/19

15.462 $\pm$ 0.000 χ^2 /NDF: 10145934723.8/29

Left In: 15.344 $\pm$ 0.000 χ^2 /NDF: 1880800379.8/9

yield_sam1_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 2152911.4/16

Left Out: 0.011+/-0.000 χ^2/NDF : 582669.3/10

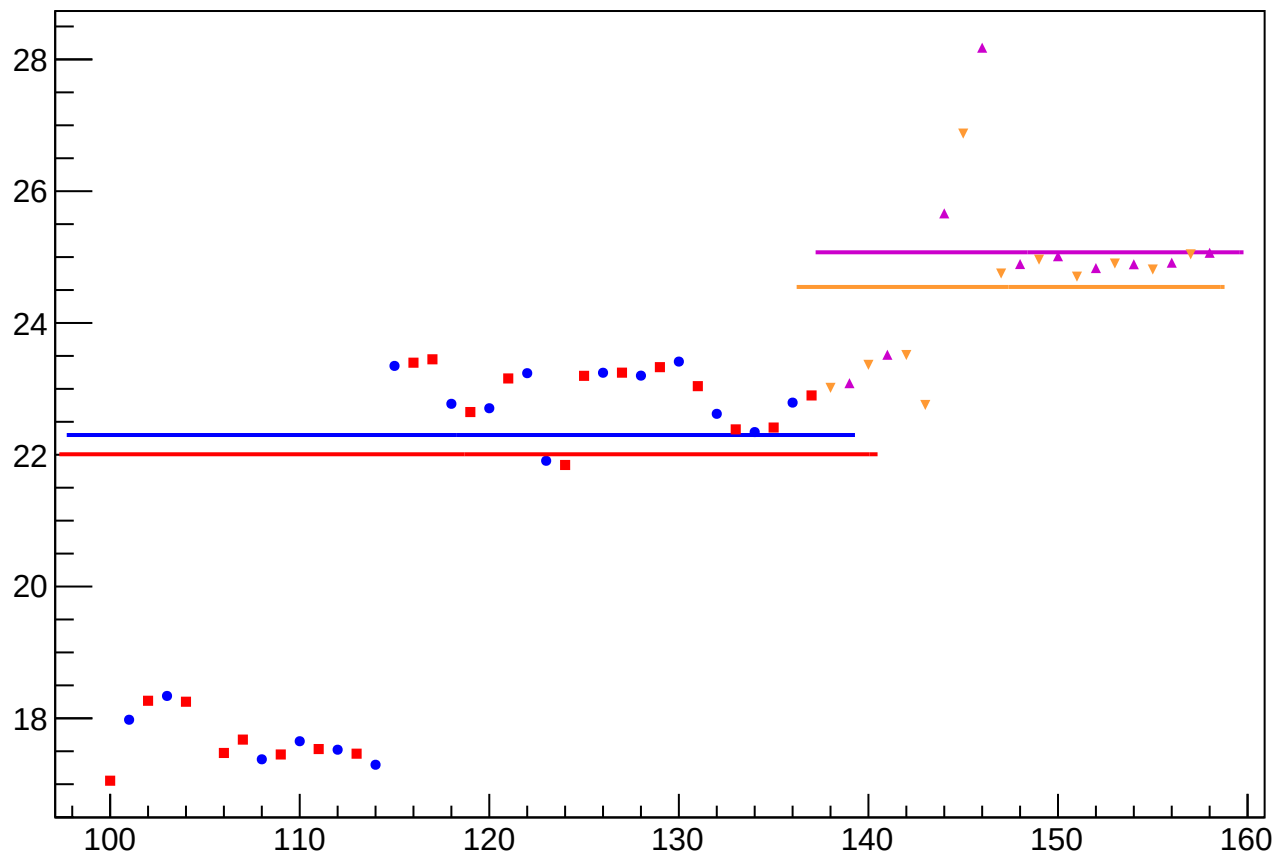
Right Out: 0.014+/-0.000 χ^2/NDF : 2084935.7/19

Left In: 0.011+/-0.000 χ^2/NDF : 393555.6/9

0.011+/-0.000 χ^2/NDF : 2879771.7/27

0.012+/-0.000 χ^2/NDF : 2783815.6/29

yield_sam2_mean vs Slug



Right In: 22.300+/-0.000 χ^2/NDF : 938398636.8/16

Left Out: 24.547+/-0.000 χ^2/NDF : 834478479.2/10

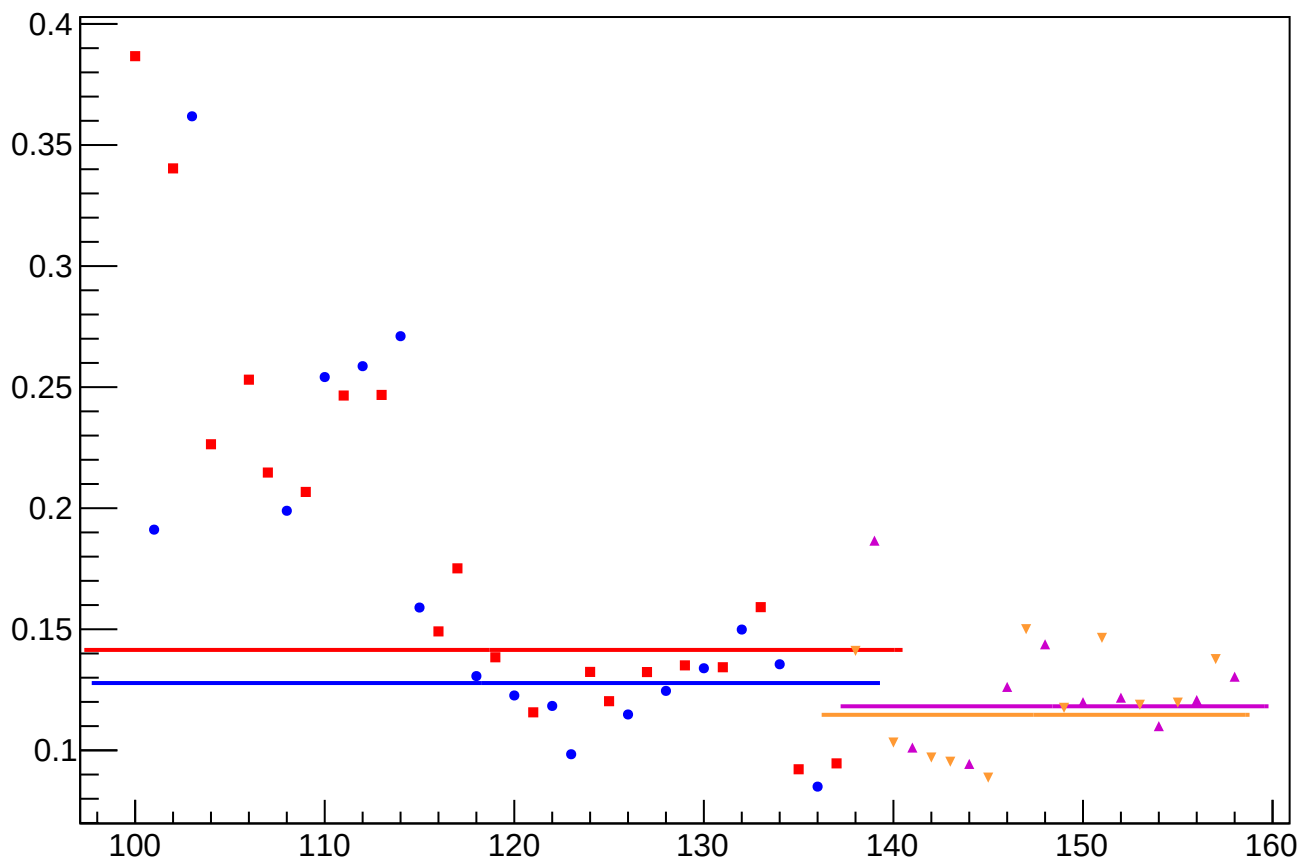
Right Out: 22.007+/-0.000 χ^2/NDF : 1068683102.9/19

Left In: 25.073+/-0.000 χ^2/NDF : 698049868.3/9

23.701+/-0.000 χ^2/NDF : 2748297900.9/27

23.976+/-0.000 χ^2/NDF : 3438121031.5/29

yield_sam2_rms vs Slug



Right In: 0.128+/-0.000 χ^2/NDF : 1492109.7/16

Left Out: 0.115+/-0.000 χ^2/NDF : 421666.3/10

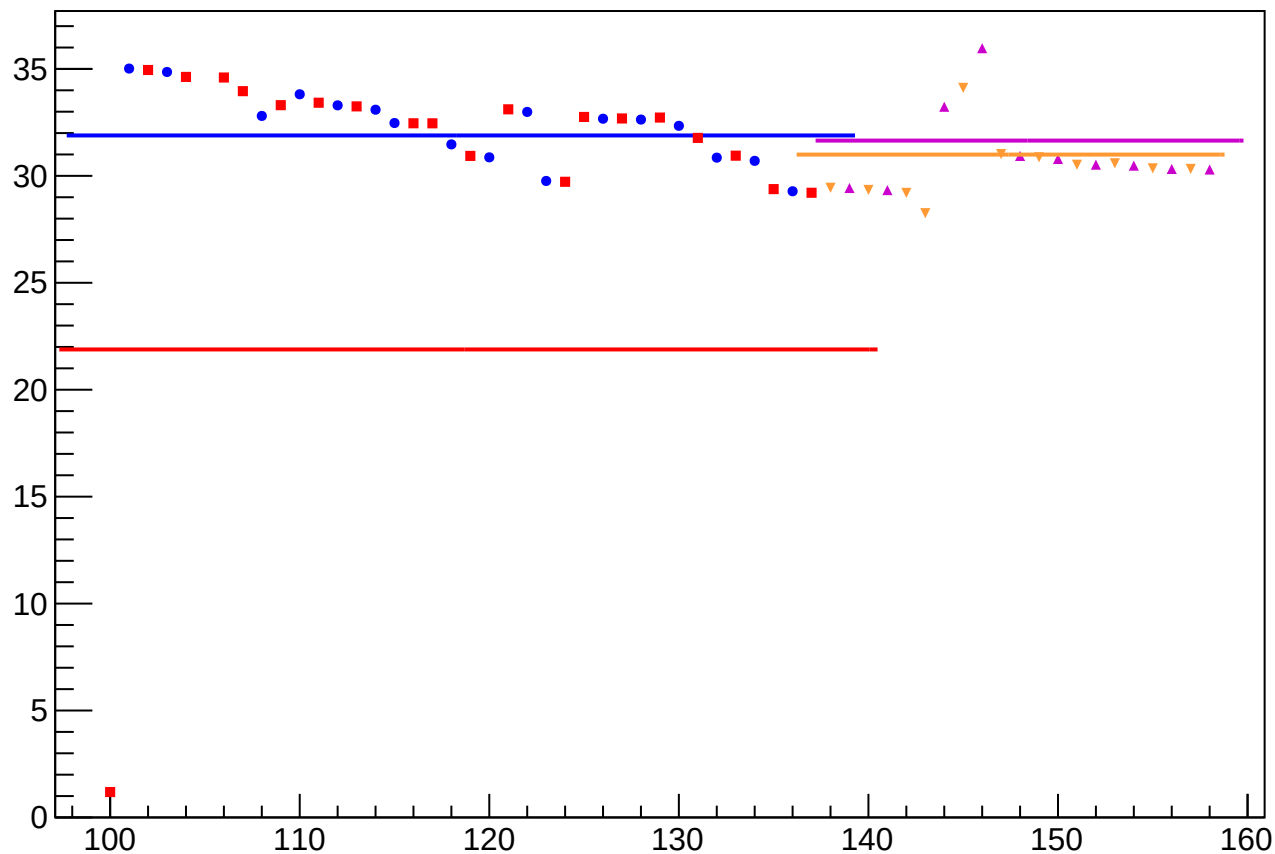
Right Out: 0.141+/-0.000 χ^2/NDF : 1452162.4/19

Left In: 0.118+/-0.000 χ^2/NDF : 398480.0/9

0.120+/-0.000 χ^2/NDF : 1980334.2/27

0.127+/-0.000 χ^2/NDF : 2043452.8/29

yield_sam3_mean vs Slug



Right In: 31.889+/-0.000 χ^2 /NDF: 1930403776.3/16

Left Out: 30.994+/-0.000 χ^2 /NDF: 4330677394.4/10

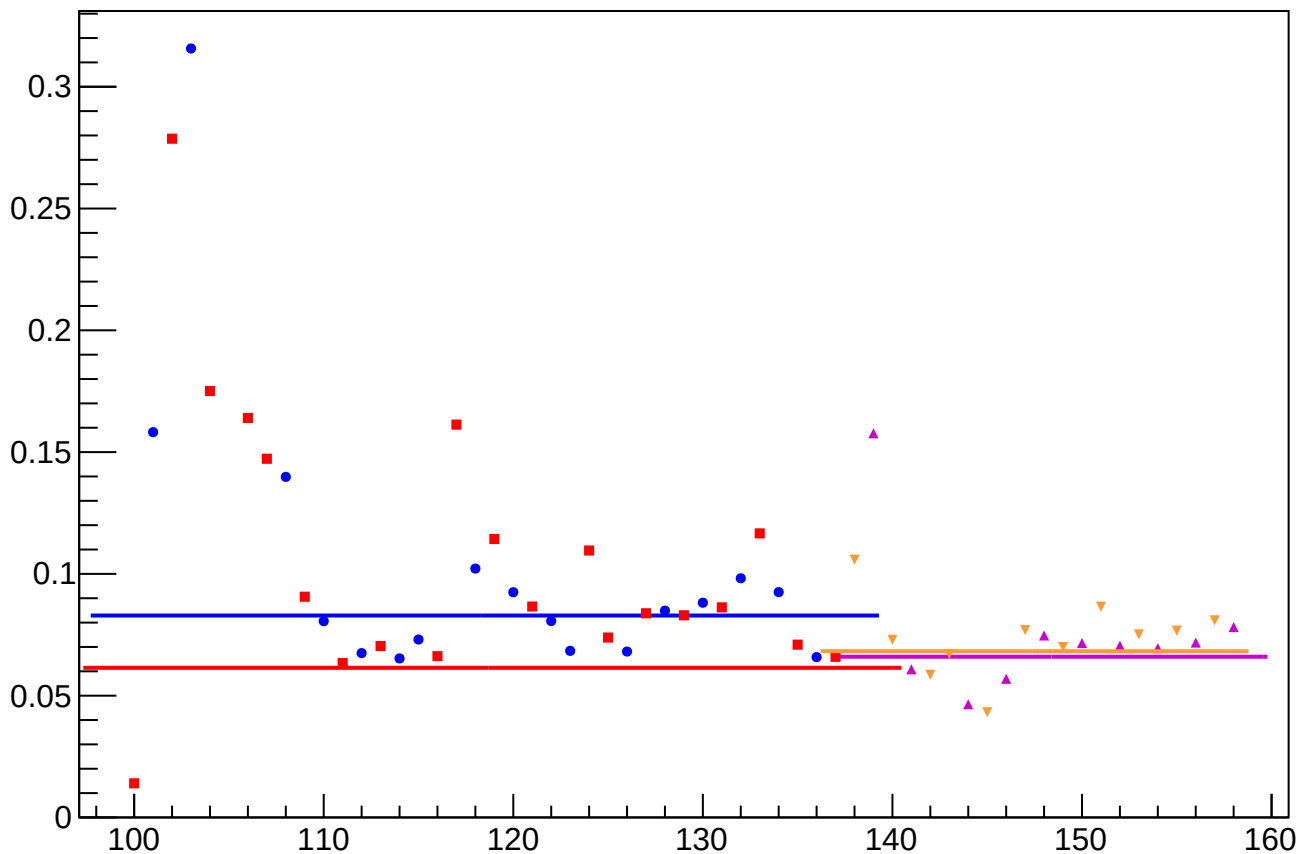
Right Out: 21.883+/-0.000 χ^2 /NDF: 230247118310.5/19

Left In: 31.649+/-0.000 χ^2 /NDF: 6055885978.0/9

31.315+/-0.000 χ^2 /NDF: 6627257094.8/27

27.409+/-0.000 χ^2 /NDF: 293827102706.9/29

yield_sam3_rms vs Slug



Right In: 0.083+/-0.000 χ^2/NDF : 1164452.3/16

Left Out: 0.068+/-0.000 χ^2/NDF : 657830.6/10

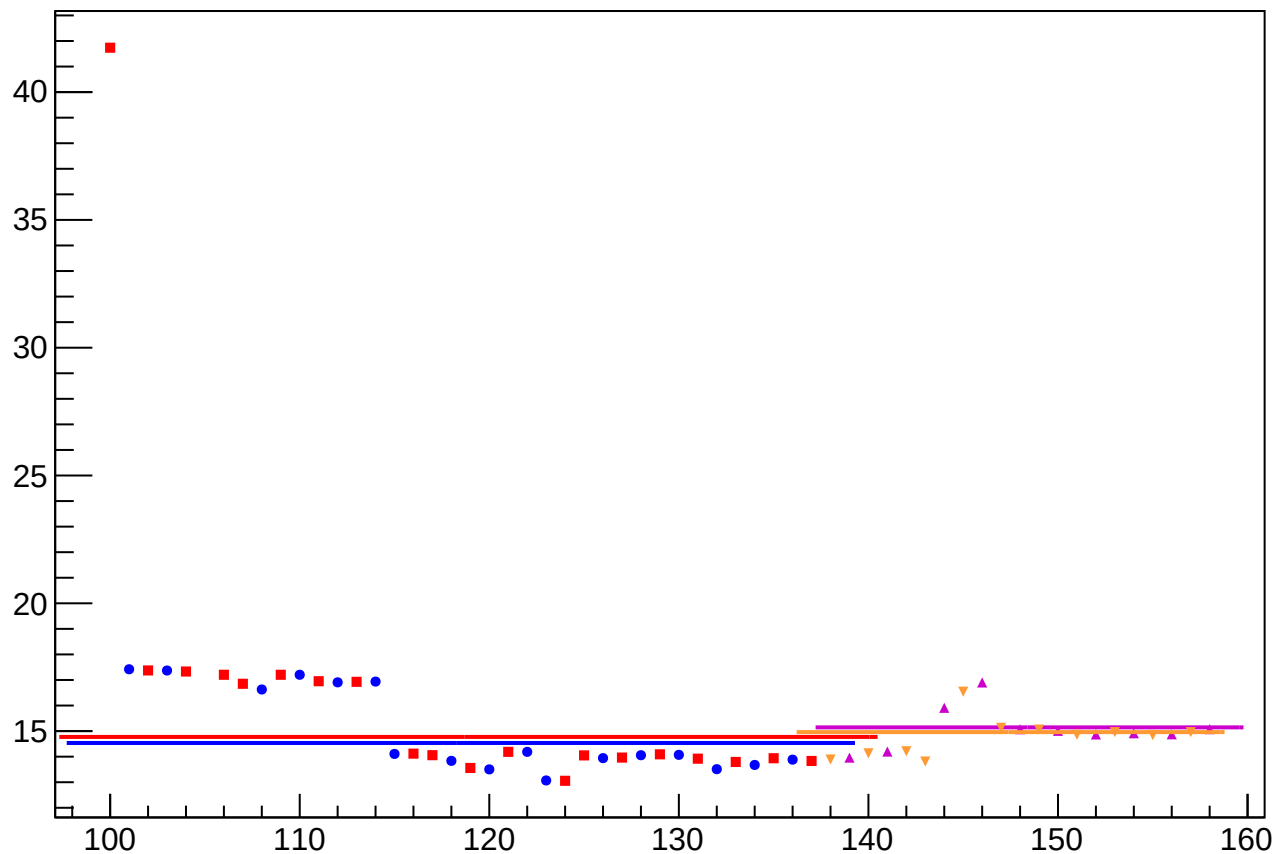
Right Out: 0.061+/-0.000 χ^2/NDF : 3635656.2/19

Left In: 0.066+/-0.000 χ^2/NDF : 801769.4/9

0.074+/-0.000 χ^2/NDF : 2018640.8/27

0.064+/-0.000 χ^2/NDF : 4462314.3/29

yield_sam4_mean vs Slug



Right In: 14.536+/-0.000 χ^2/NDF : 1470499792.7/16

Left Out: 14.961+/-0.000 χ^2/NDF : 946948341.0/10

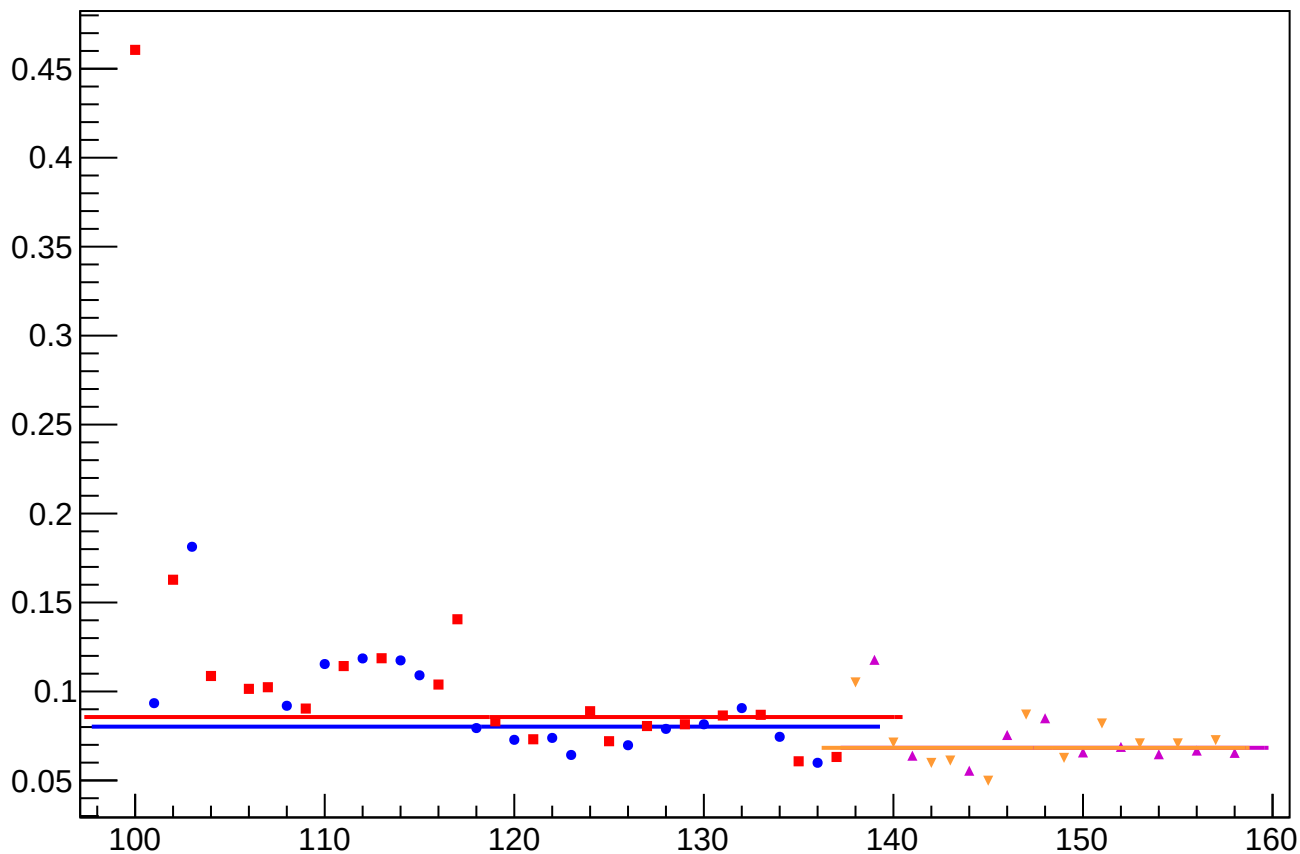
Right Out: 14.772+/-0.000 χ^2/NDF : 1887789052.4/19

Left In: 15.146+/-0.000 χ^2/NDF : 735034514.1/9

14.799+/-0.000 χ^2/NDF : 2513599590.2/27

15.013+/-0.000 χ^2/NDF : 2695389600.5/29

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 : 467404.2/10

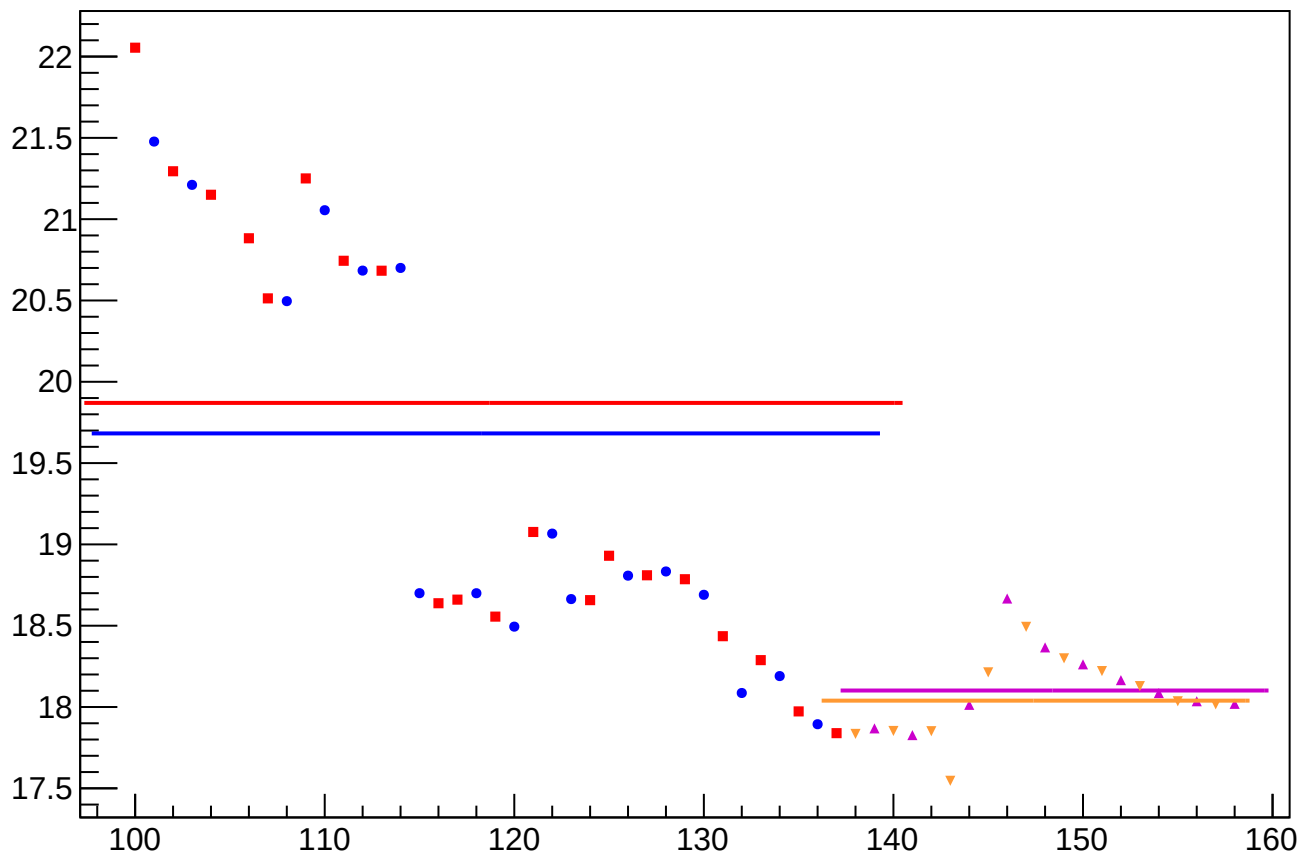
Right Out: 0.086+/-0.000 χ^2/NDF : 750289.2/19

Left In: 0.068+/-0.000 χ^2/NDF : 402524.3/9

0.073+/-0.000 χ^2/NDF : 1397022.4/27

0.074+/-0.000 χ^2/NDF : 1462872.2/29

yield_sam5_mean vs Slug



Right In: 19.683+/-0.000 χ^2/NDF : 12276801857.2/16

Left Out: 18.039+/-0.000 χ^2/NDF : 397497582.6/10

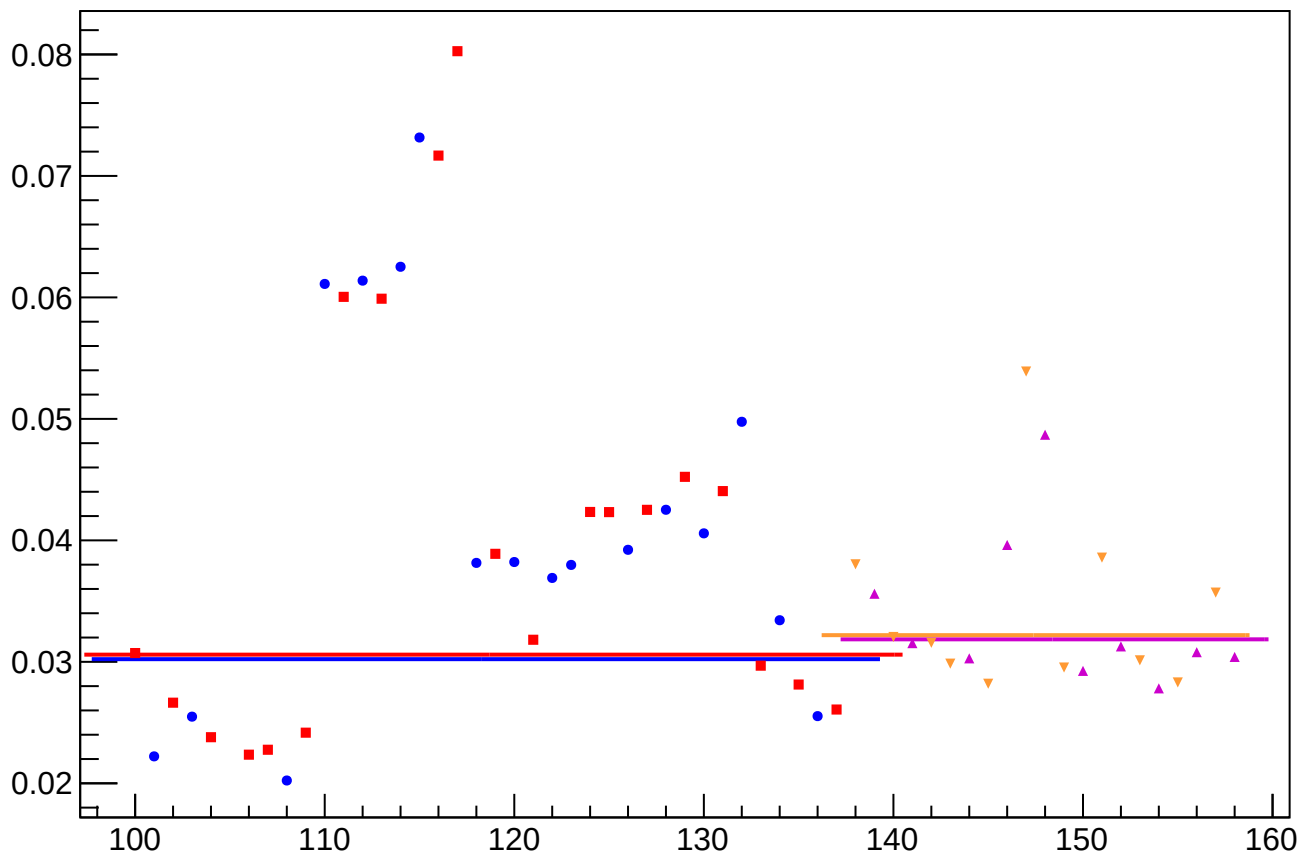
Right Out: 19.870+/-0.000 χ^2/NDF : 11333011670.6/19

Left In: 18.101+/-0.000 χ^2/NDF : 311849210.7/9

18.790+/-0.000 χ^2/NDF : 21642812921.5/27

18.904+/-0.000 χ^2/NDF : 22464326959.0/29

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 : 416604.0/10

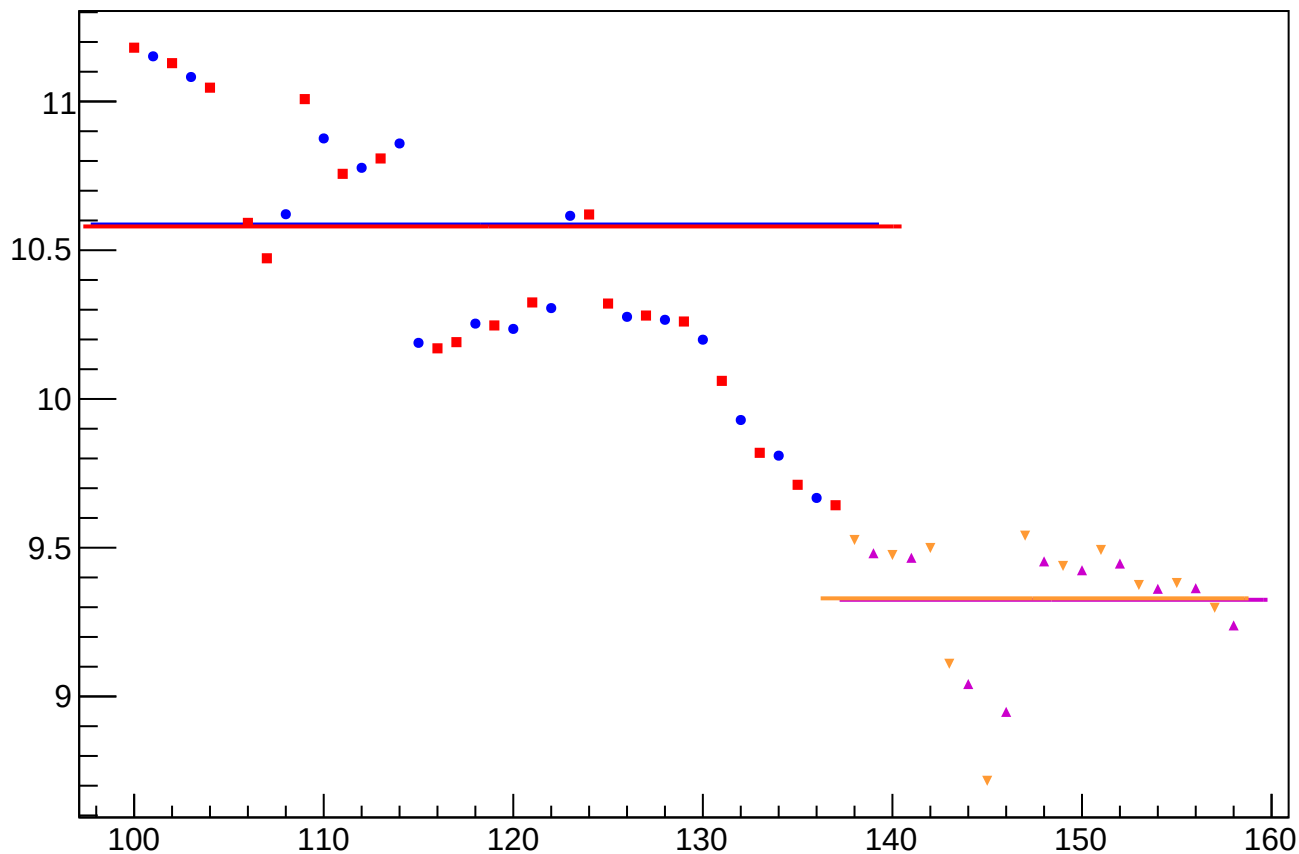
Right Out: 0.031+/-0.000 χ^2/NDF : 1219224.0/19

Left In: 0.032+/-0.000 χ^2/NDF : 314680.3/9

0.031+/-0.000 χ^2/NDF : 1767061.9/27

0.031+/-0.000 χ^2/NDF : 1544899.3/29

yield_sam6_mean vs Slug



Right In: 10.586 $\pm$ 0.000 χ^2 /NDF: 7420104563.4/16

Left Out: 9.330 $\pm$ 0.000 χ^2 /NDF:1041603426.9/10

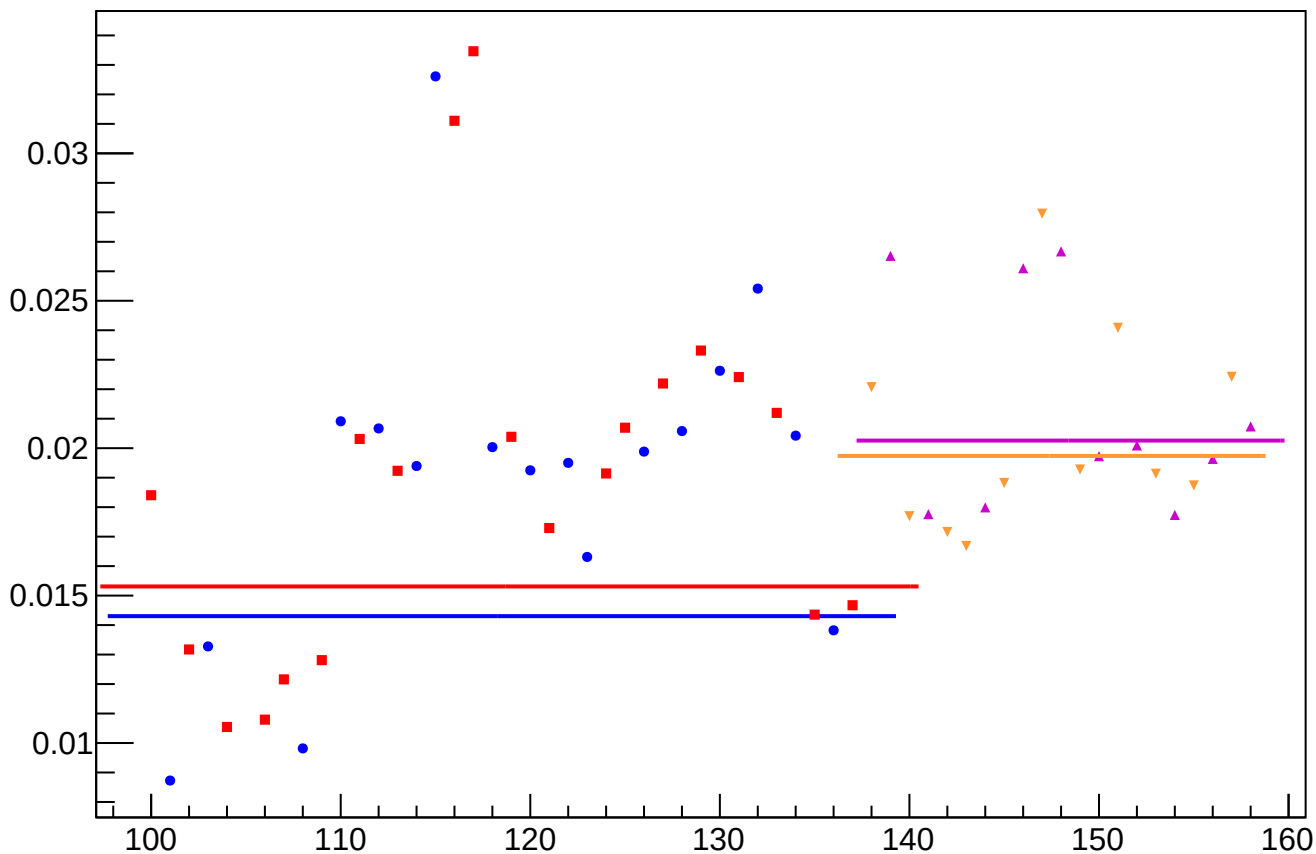
Right Out: 10.580 $\pm$ 0.000 χ^2 /NDF: 5769007164.9/19

Left In: 9.325 $\pm$ 0.000 χ^2 /NDF:501706149.9/9

10.062 $\pm$ 0.000 χ^2 /NDF: 25616679711.4/27

10.058 $\pm$ 0.000 χ^2 /NDF: 22830691528.9/29

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 : 298431.8/10

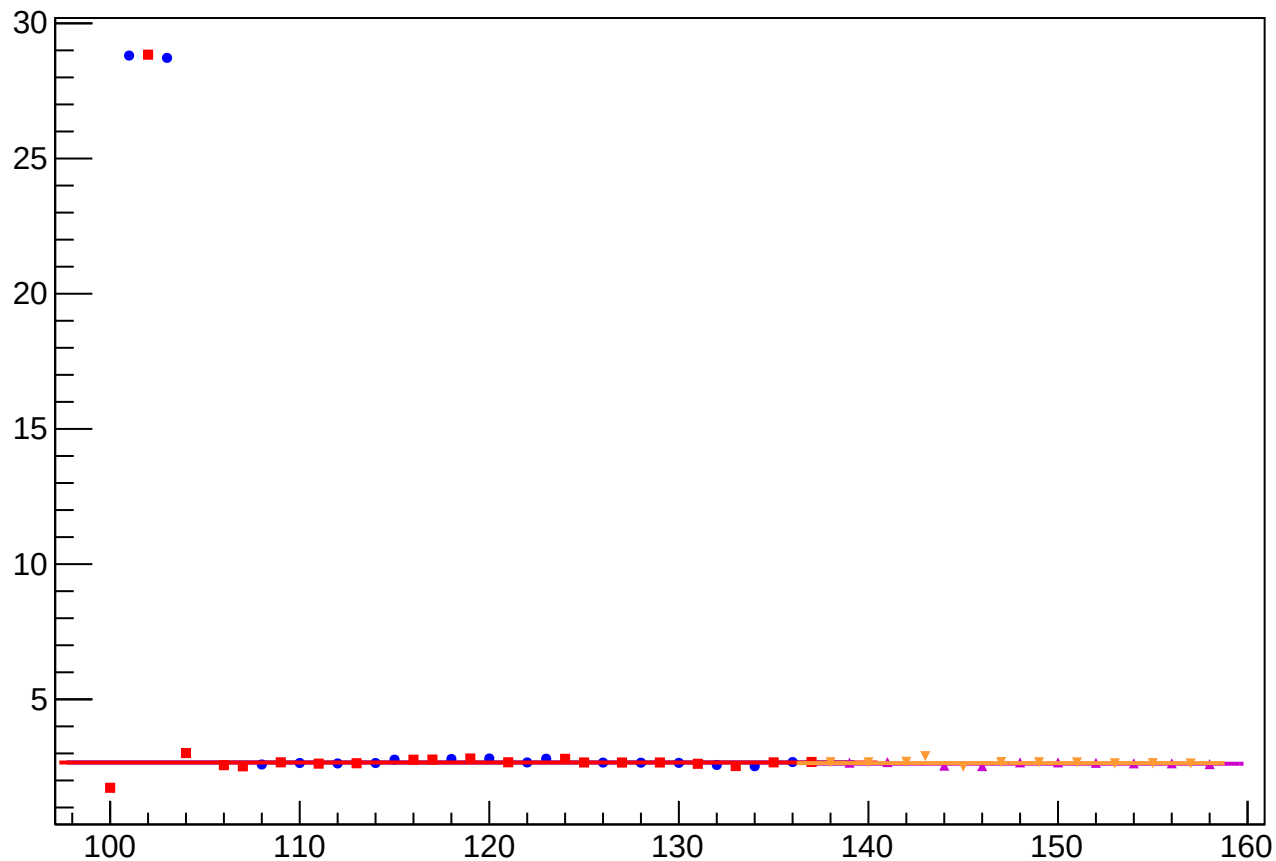
Right Out: 0.015+/-0.000 χ^2/NDF : 1011477.2/19

Left In: 0.020+/-0.000 χ^2/NDF : 330043.4/9

0.017+/-0.000 χ^2/NDF : 2348310.3/27

0.017+/-0.000 χ^2/NDF : 1856340.0/29

yield_sam7_mean vs Slug



Right In: 2.666+/-0.000 χ^2/NDF : 163167327359.4/16

Left Out: 2.641+/-0.000 χ^2/NDF : 11378615310.1/10

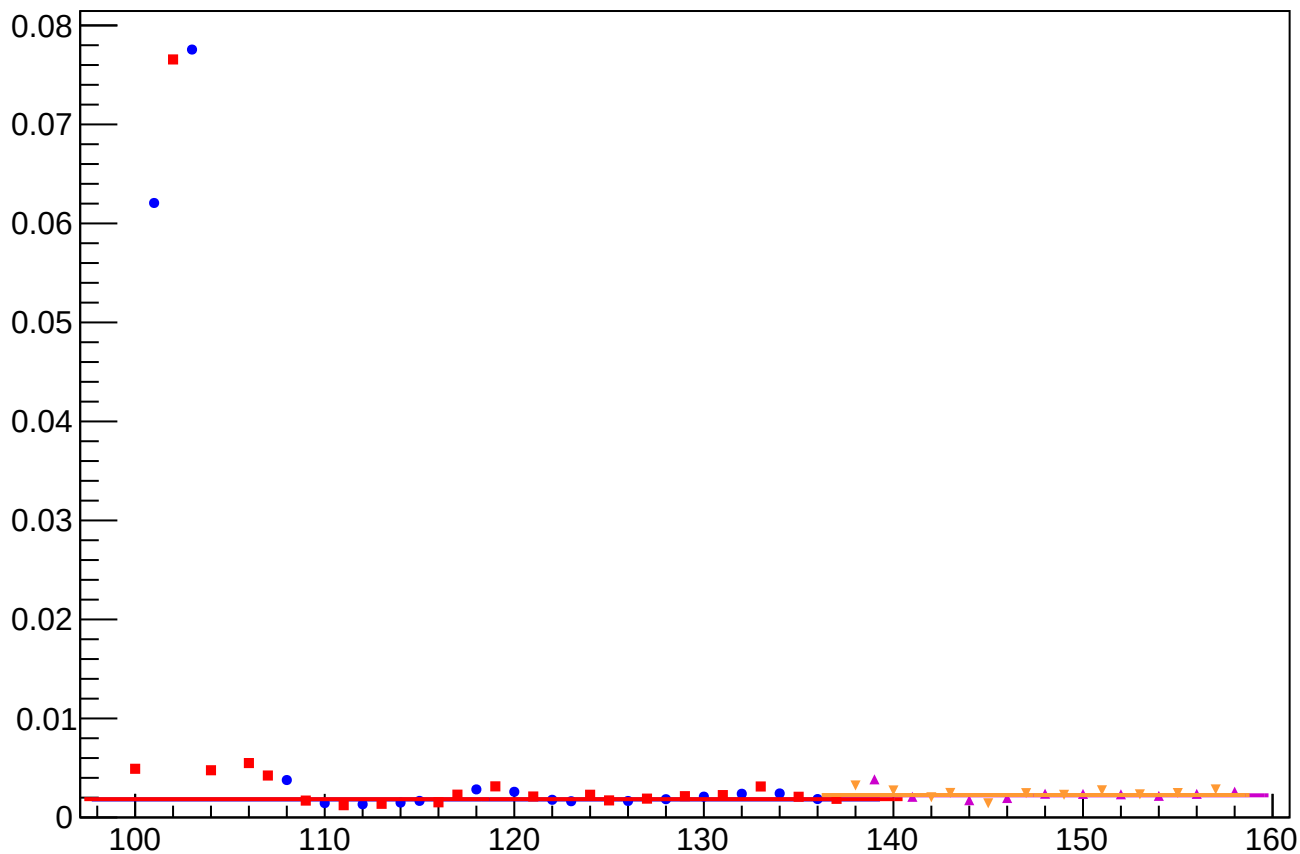
Right Out: 2.664+/-0.000 χ^2/NDF : 70484048082.1/19

Left In: 2.619+/-0.000 χ^2/NDF : 3869097519.3/9

2.654+/-0.000 χ^2/NDF : 174949142332.3/27

2.642+/-0.000 χ^2/NDF : 75737925937.4/29

yield_sam7_rms vs Slug



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2661372.0/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:664717.5/10

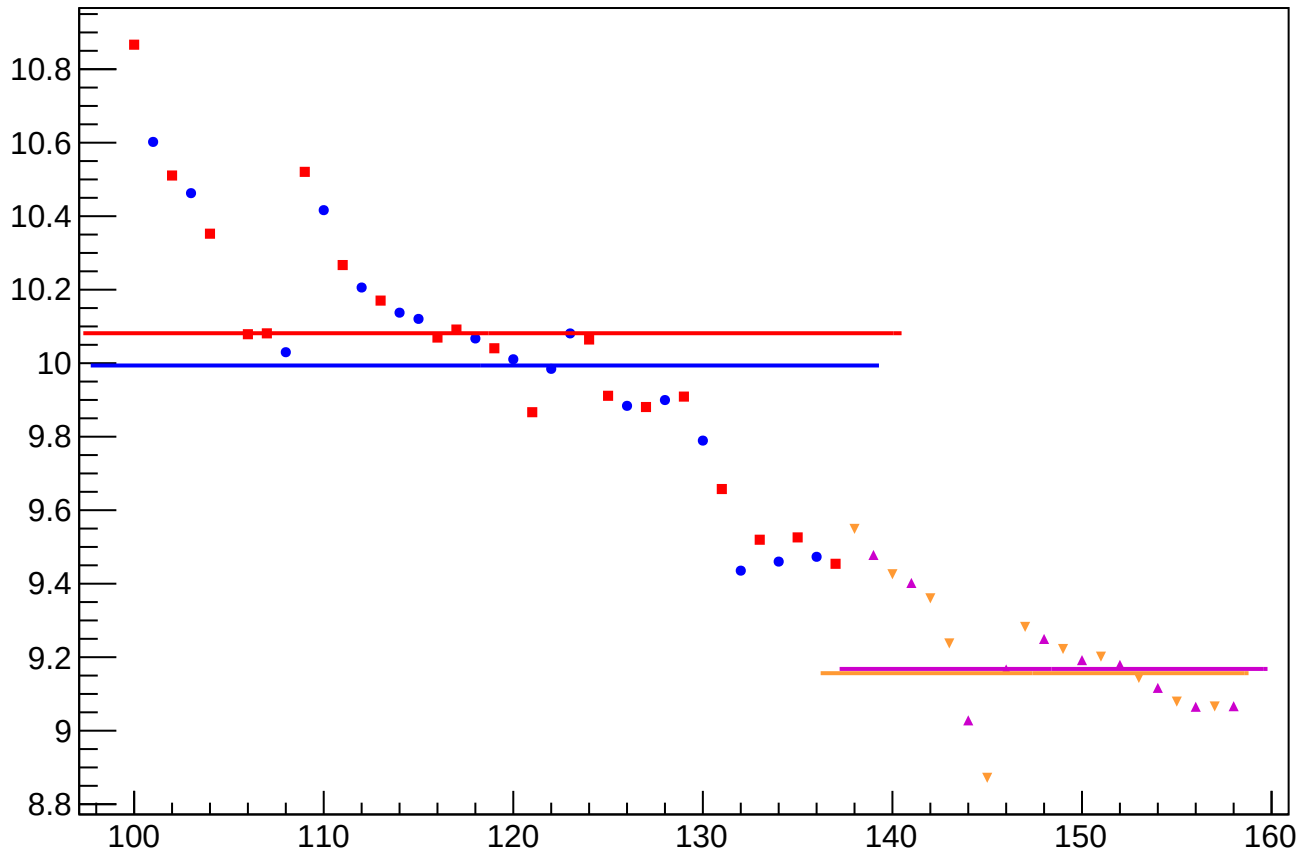
Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 2334243.7/19

Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:431304.4/9

0.002 $\pm$ 0.000 χ^2 /NDF: 3586049.1/27

0.002 $\pm$ 0.000 χ^2 /NDF: 2972158.0/29

yield_sam8_mean vs Slug



Right In: 9.994+/-0.000 χ^2/NDF : 18815741664.6/16

Left Out: 9.156+/-0.000 χ^2/NDF : 4854653733.5/10

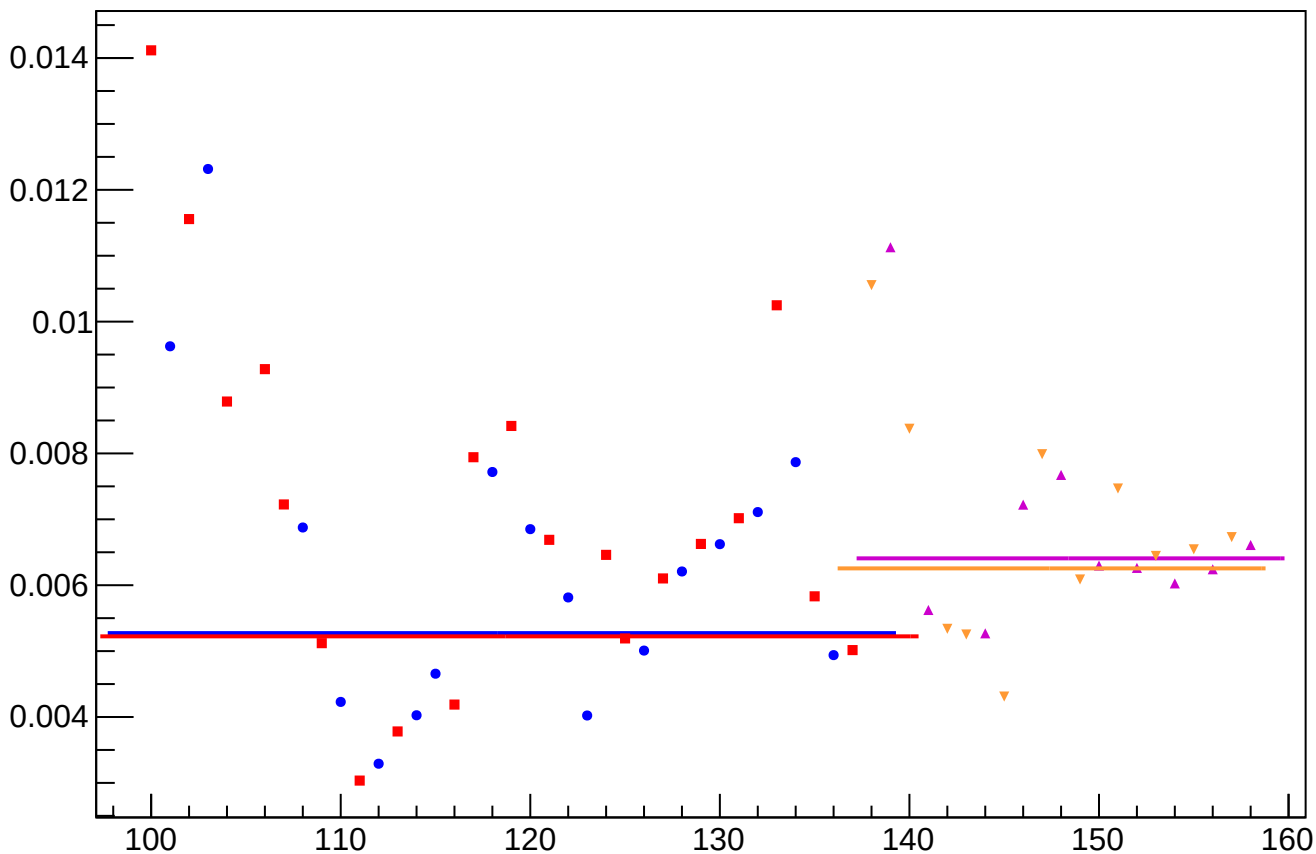
9.600+/-0.000 χ^2/NDF : 83211427296.6/27

Right Out: 10.082+/-0.000 χ^2/NDF : 15502760782.3/19

9.666+/-0.000 χ^2/NDF : 91188625797.8/29

Left In: 9.168+/-0.000 χ^2/NDF : 2474655146.3/9

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 : 662396.6/10

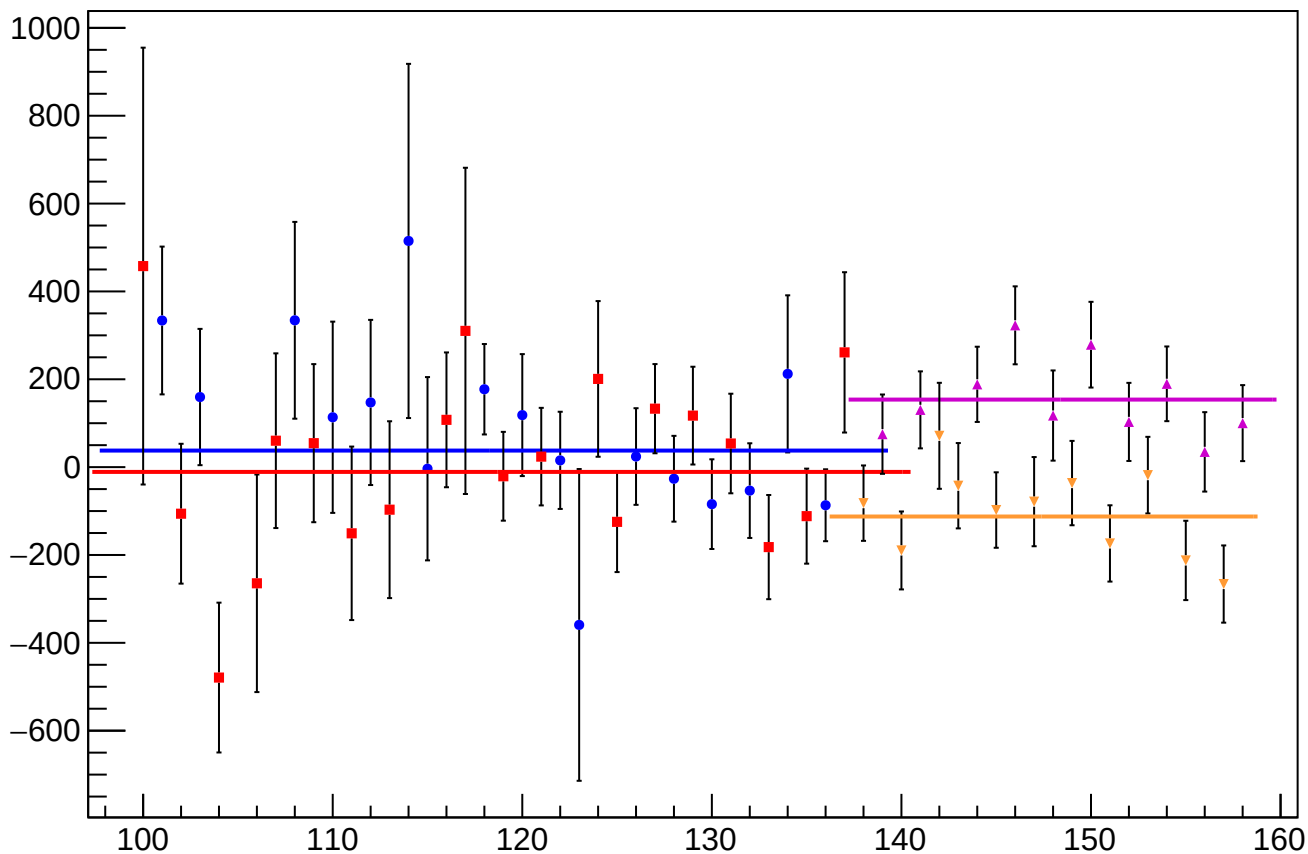
Right Out: 0.005+/-0.000 χ^2/NDF : 1667515.0/19

Left In: 0.006+/-0.000 χ^2/NDF : 391112.3/9

0.006+/-0.000 χ^2/NDF : 2071879.1/27

0.006+/-0.000 χ^2/NDF : 2304431.7/29

reg_asym_sam1_mean vs Slug



Right In: 37.694 $\pm$ 32.253 χ^2 /NDF: 16.7/16

Left Out: -112.432 $\pm$ 27.792 χ^2 /NDF:10.4/10

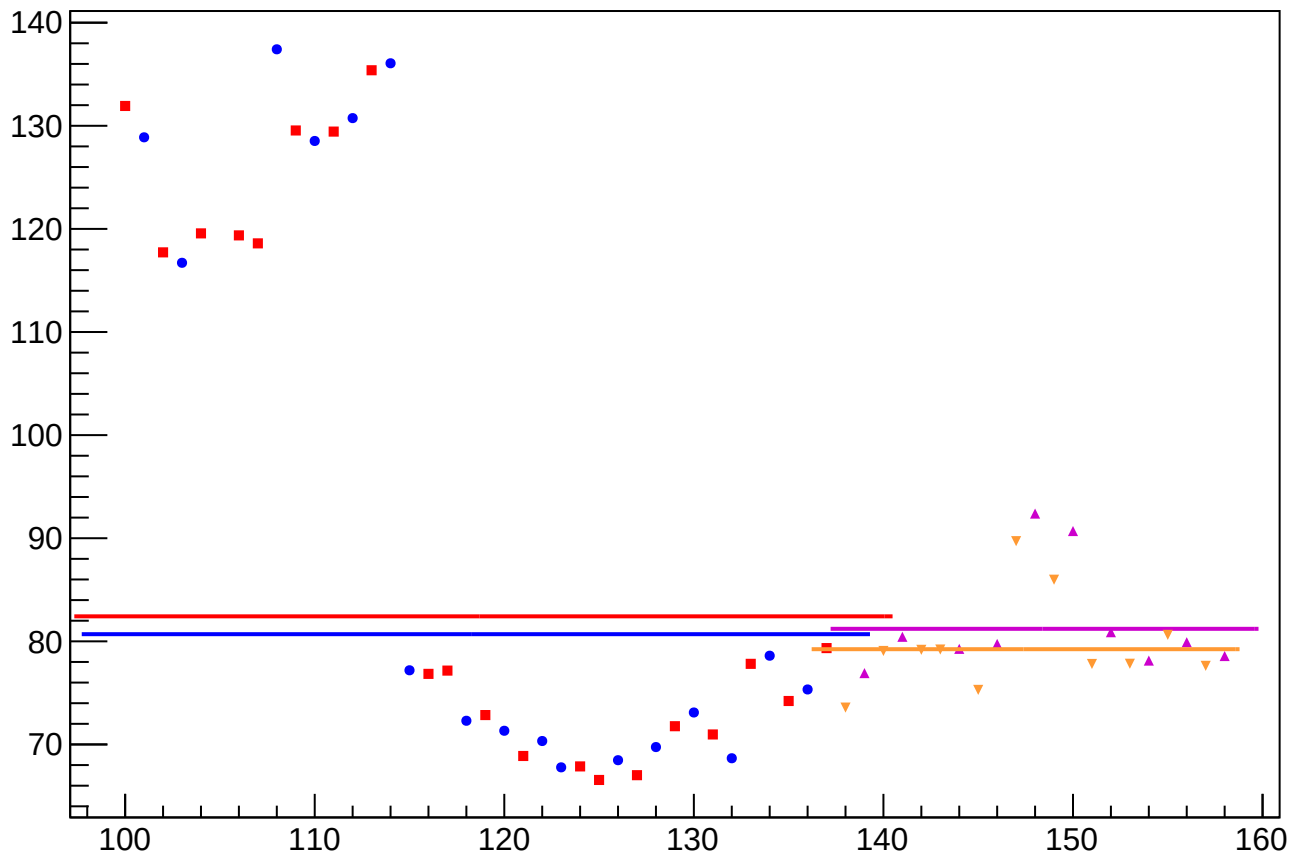
Right Out: -10.884 $\pm$ 31.947 χ^2 /NDF: 23.5/19

Left In: 153.760 $\pm$ 28.435 χ^2 /NDF:9.0/9

-48.462 $\pm$ 21.054 χ^2 /NDF: 39.6/27

80.982 $\pm$ 21.240 χ^2 /NDF: 47.3/29

reg_asym_sam1_rms vs Slug



Right In: 80.694 $\pm$ 0.023 χ^2 /NDF: 814026.4/16

Left Out: 79.238 $\pm$ 0.020 χ^2 /NDF:46304.9/10

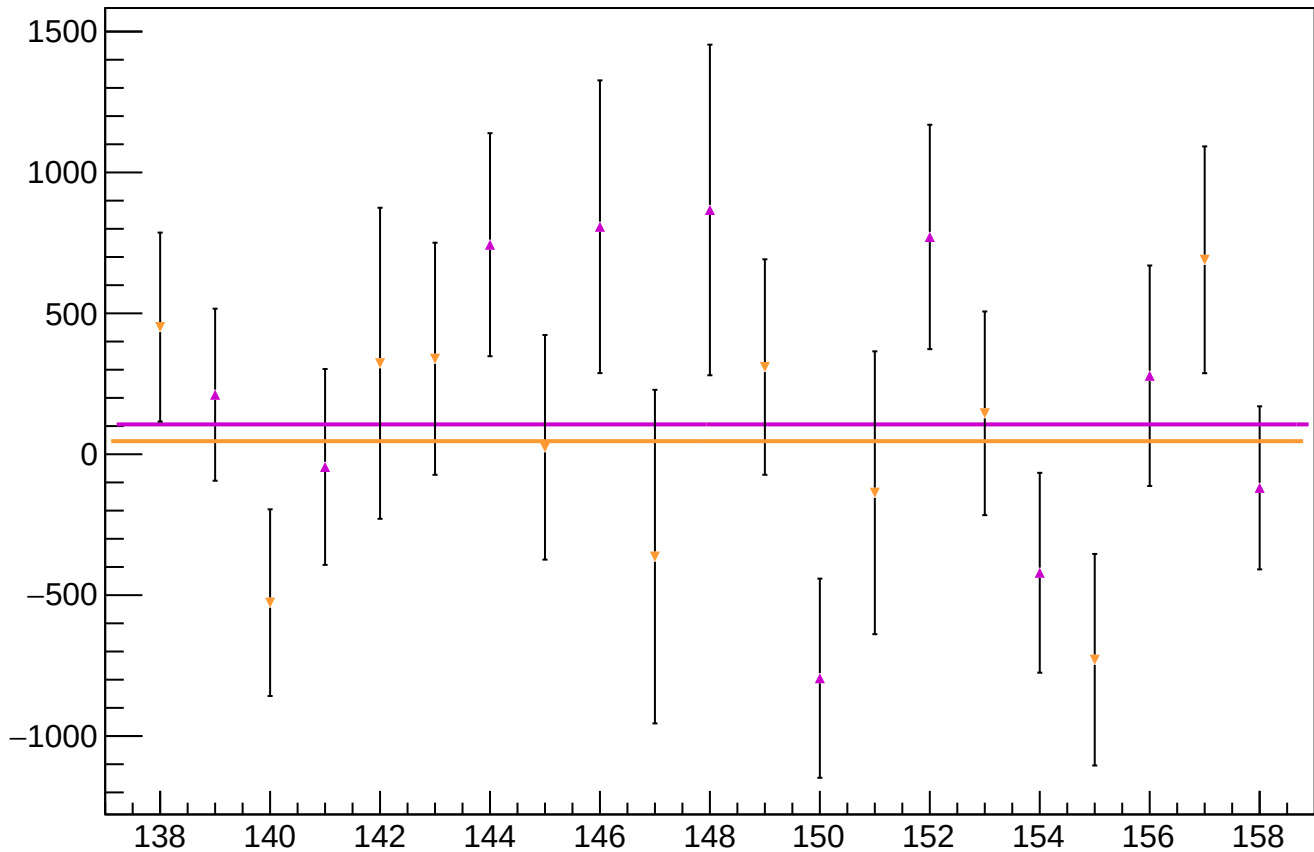
Right Out: 82.424 $\pm$ 0.023 χ^2 /NDF: 915282.5/19

Left In: 81.214 $\pm$ 0.020 χ^2 /NDF:53775.2/9

79.859 $\pm$ 0.015 χ^2 /NDF: 862670.5/27

81.749 $\pm$ 0.015 χ^2 /NDF: 970659.1/29

asym_sam1_correction_mean vs Slug



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

Left Out: 46.436+/-121.205 χ^2/NDF : 13.2/10

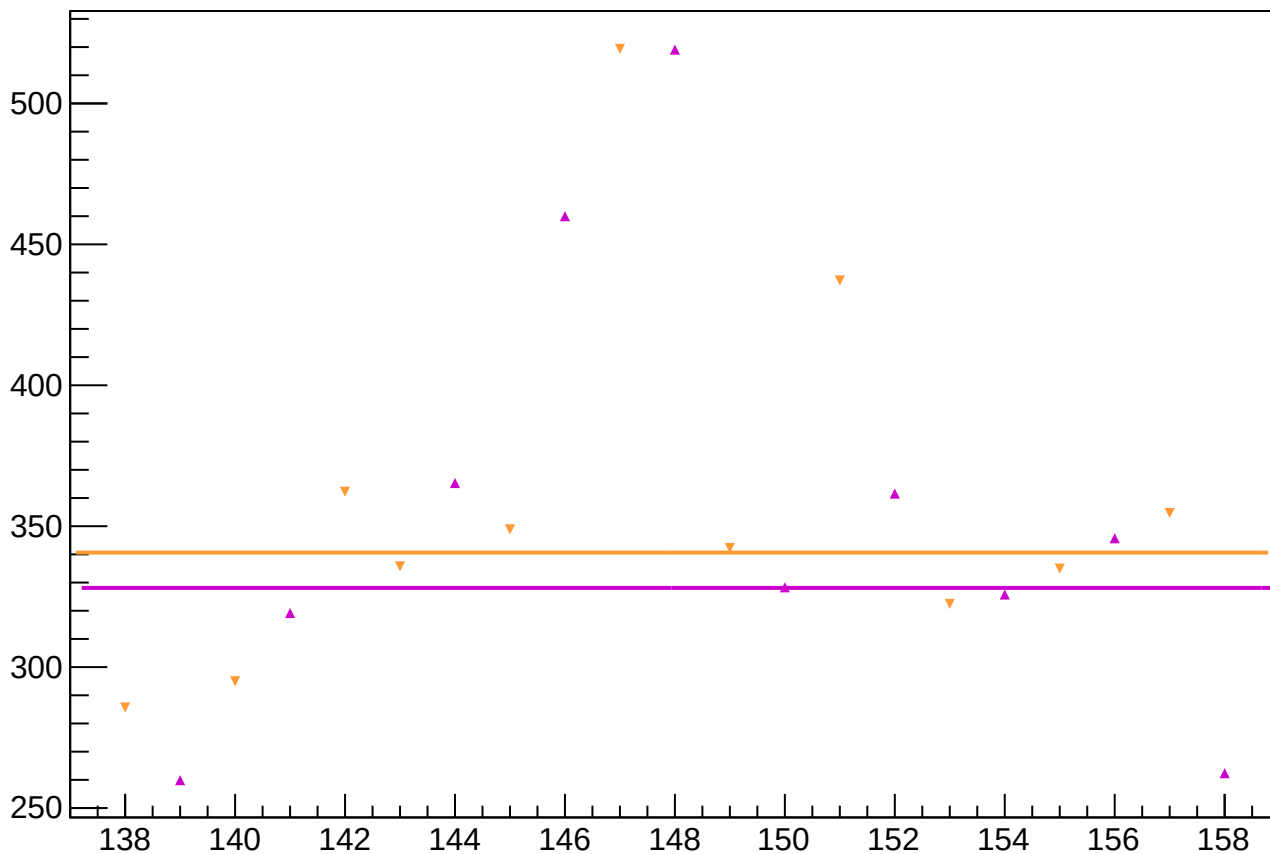
46.436+/-121.205 χ^2/NDF : 13.2/10

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

105.952+/-117.243 χ^2/NDF : 18.7/9

Left In: 105.952+/-117.243 χ^2/NDF : 18.7/9

asym_sam1_correction_rms vs Slug



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

Left Out: 340.644+/-0.086 χ^2/NDF : 360328.5/10

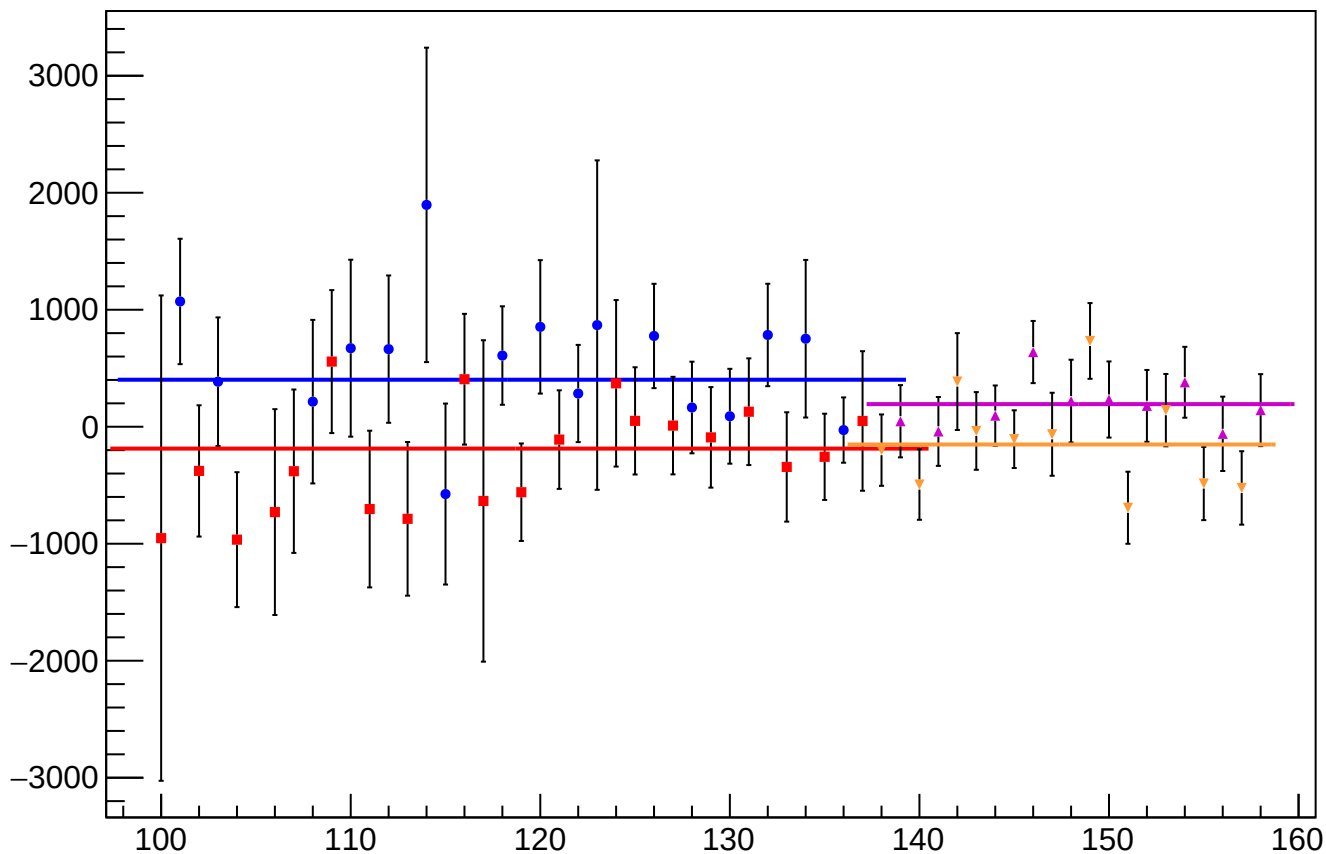
340.644+/-0.086 χ^2/NDF : 360328.5/10

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

Left In: 328.106+/-0.083 χ^2/NDF : 581394.6/9

328.106+/-0.083 χ^2/NDF : 581394.6/9

reg_asym_sam2_mean vs Slug



Right In: 401.871 +/- 121.048 χ^2/NDF : 10.9/16

Left Out: -151.778 +/- 94.513 χ^2/NDF : 17.2/10

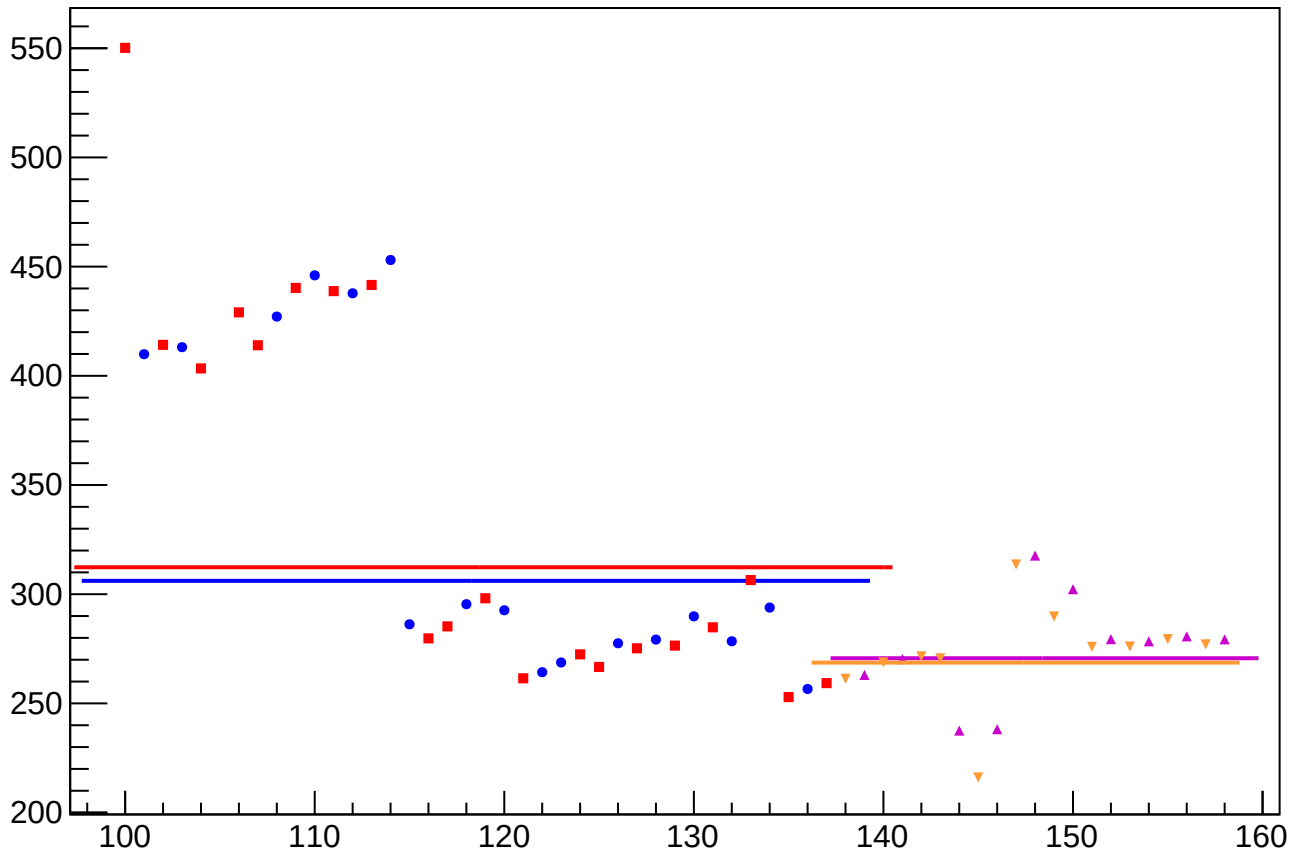
Right Out: -186.914 +/- 119.879 χ^2/NDF : 9.4/19

Left In: 193.191 +/- 95.050 χ^2/NDF : 4.9/9

57.911 +/- 74.495 χ^2/NDF : 41.1/27

46.470 +/- 74.480 χ^2/NDF : 20.5/29

reg_asym_sam2_rms vs Slug



Right In: 306.123+/-0.086 χ^2/NDF : 508435.8/16

Left Out: 268.679+/-0.067 χ^2/NDF :138846.4/10

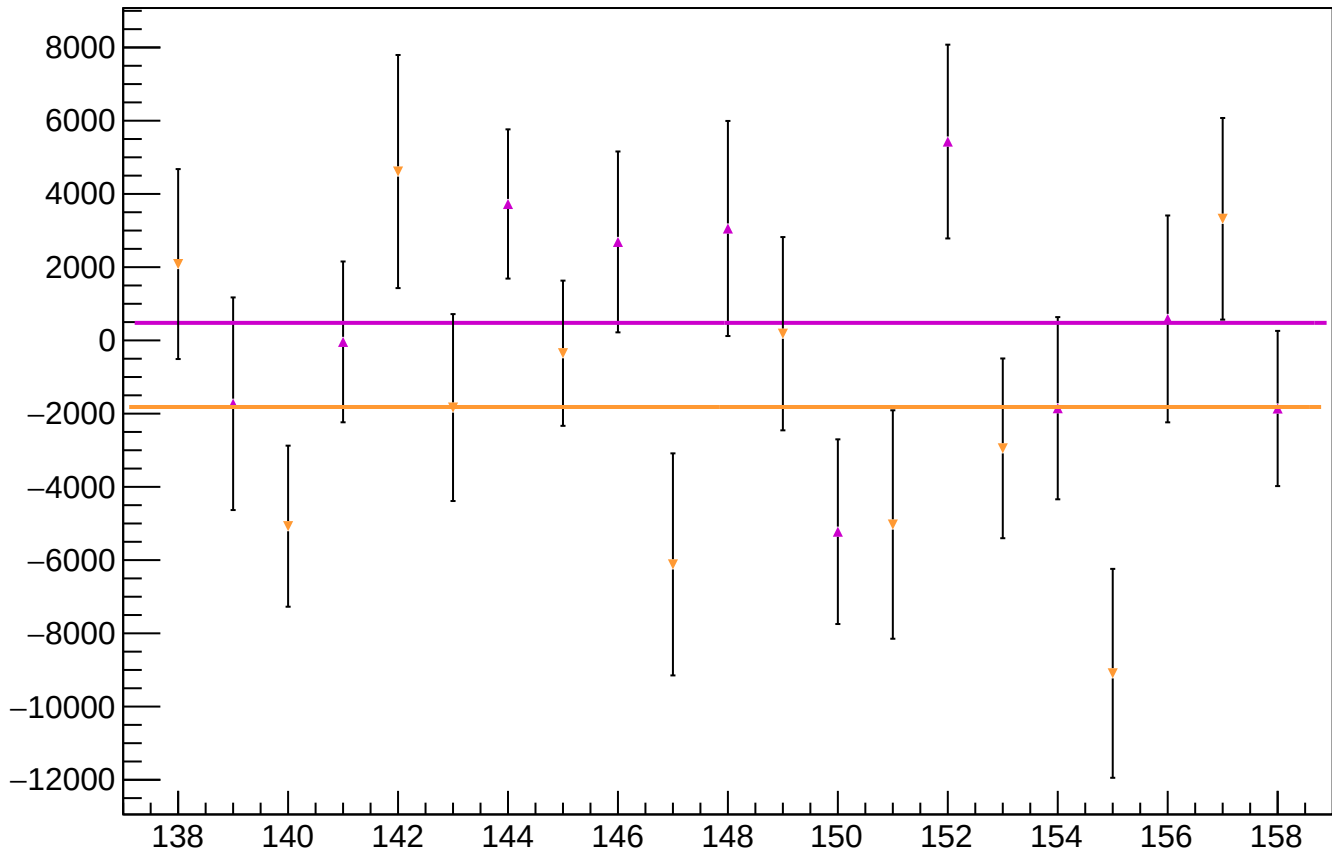
Right Out: 312.335+/-0.085 χ^2/NDF : 626552.3/19

Left In: 270.681+/-0.067 χ^2/NDF :124967.7/9

282.861+/-0.053 χ^2/NDF : 766177.6/27

286.759+/-0.053 χ^2/NDF : 899781.7/29

asym_sam2_correction_mean vs Slug



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

Left Out: -1818.701+/-781.387 χ^2/NDF : 22.9/10

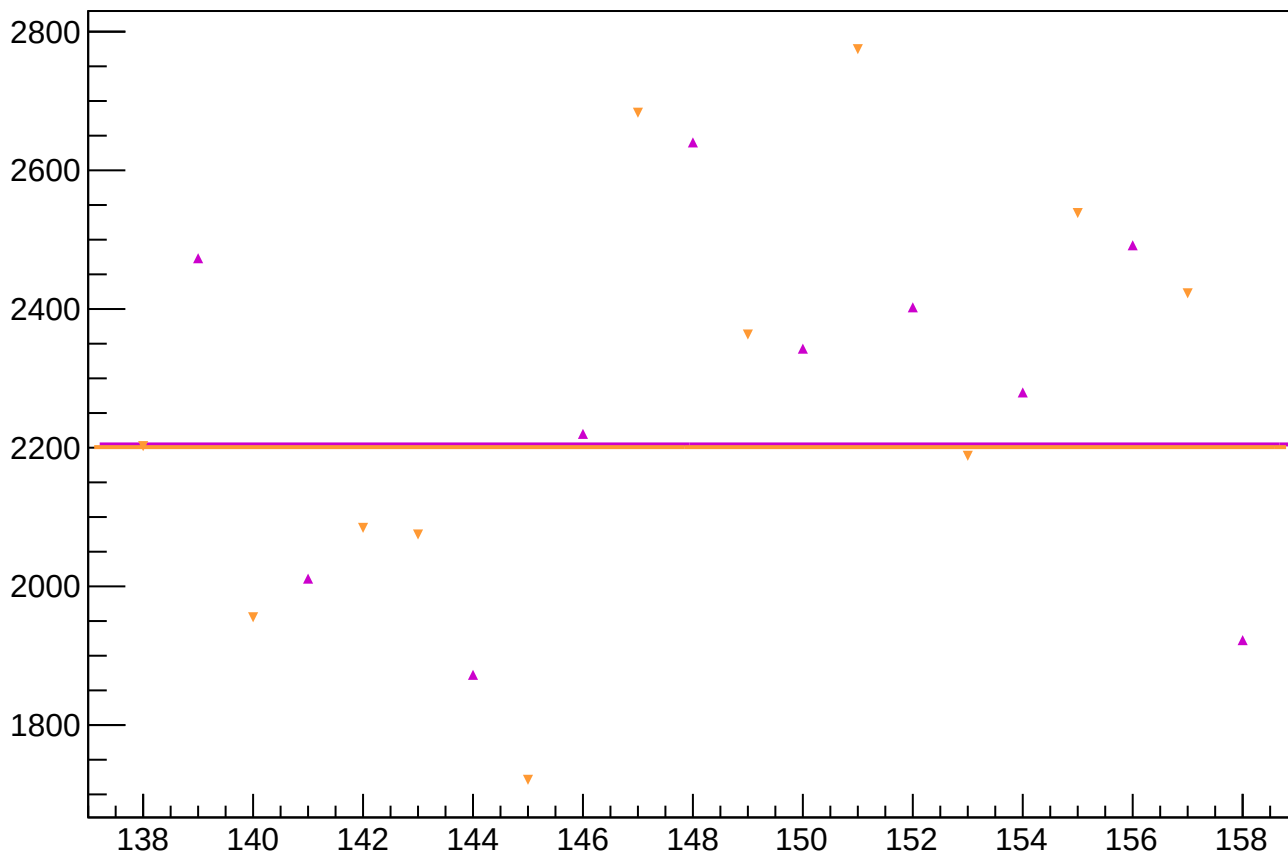
-1818.701+/-781.387 χ^2/NDF : 22.9/10

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

478.999+/-777.023 χ^2/NDF : 15.5/9

Left In: 478.999+/-777.023 χ^2/NDF : 15.5/9

asym_sam2_correction_rms vs Slug



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

Left Out: 2200.811+/-0.553 χ^2/NDF : 316455.2/10

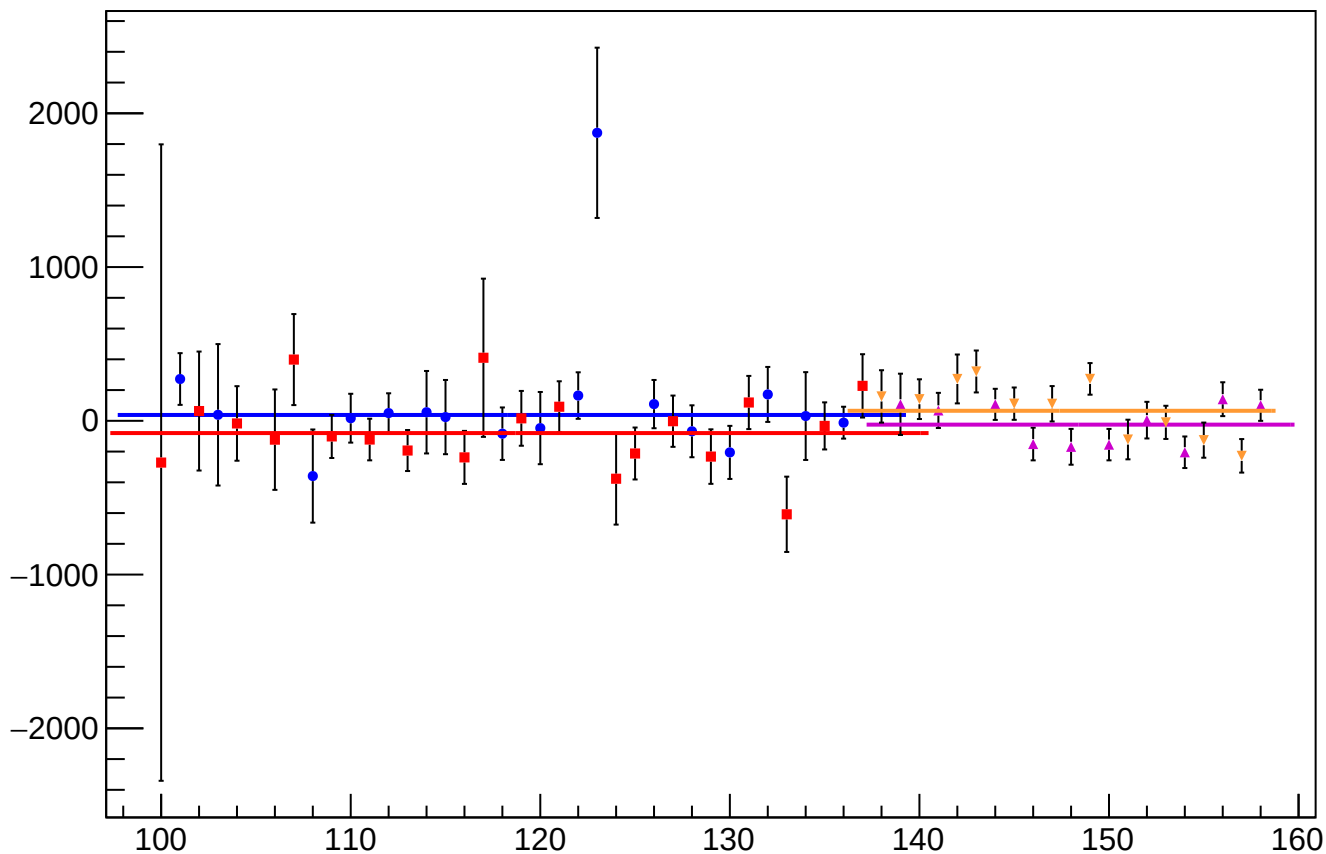
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 2204.695+/-0.549 χ^2/NDF : 205009.3/9

2200.811+/-0.553 χ^2/NDF : 316455.2/10

2204.695+/-0.549 χ^2/NDF : 205009.3/9

reg_asym_sam3_mean vs Slug



Right In: 38.126+/-43.548 χ^2/NDF : 19.4/16

Left Out: 65.265+/-36.389 χ^2/NDF : 22.9/10

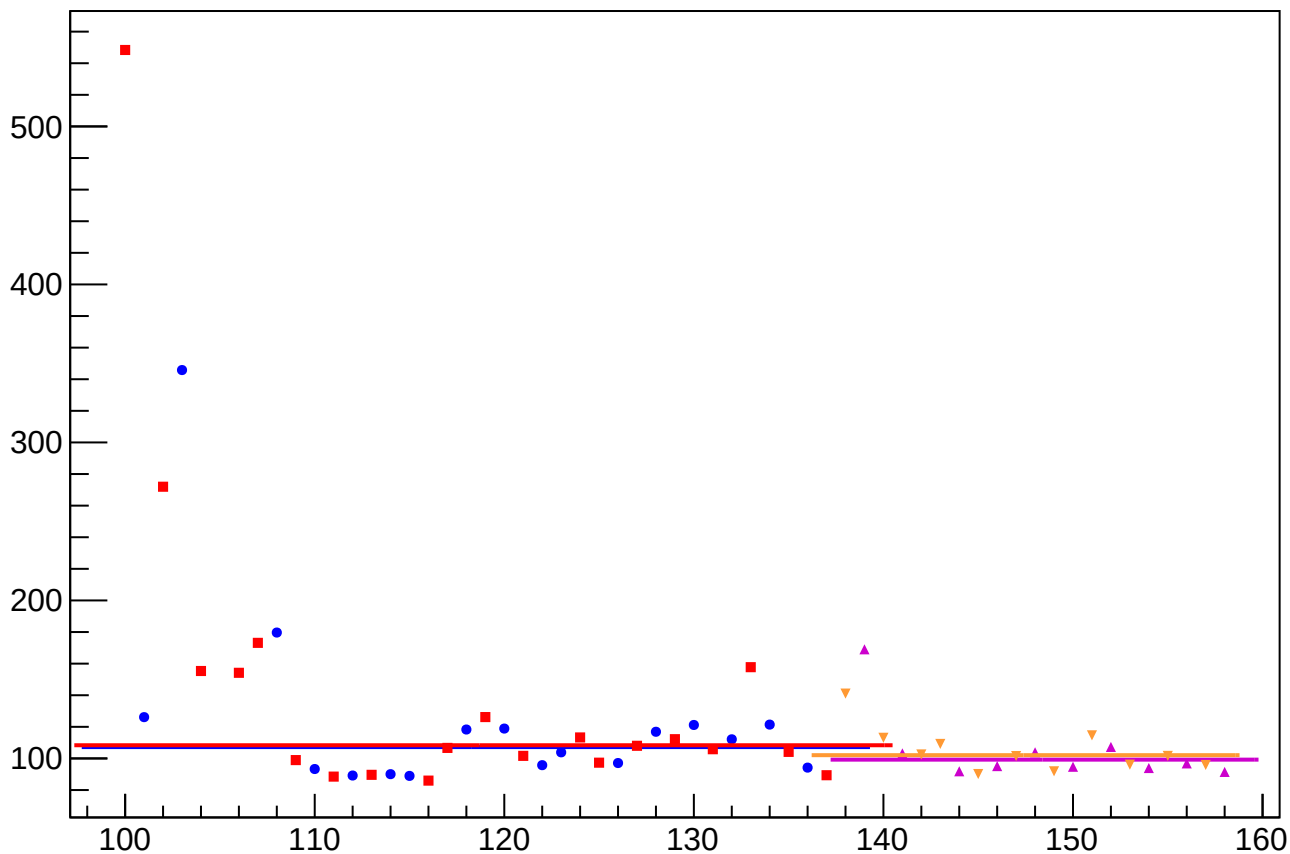
Right Out: -79.665+/-42.948 χ^2/NDF : 17.6/19

Left In: -24.852+/-35.283 χ^2/NDF : 14.3/9

54.106+/-27.924 χ^2/NDF : 42.5/27

-46.939+/-27.262 χ^2/NDF : 32.9/29

reg_asym_sam3_rms vs Slug



Right In: 107.189+/-0.031 χ^2/NDF : 843115.1/16

Left Out: 102.066+/-0.026 χ^2/NDF : 201905.8/10

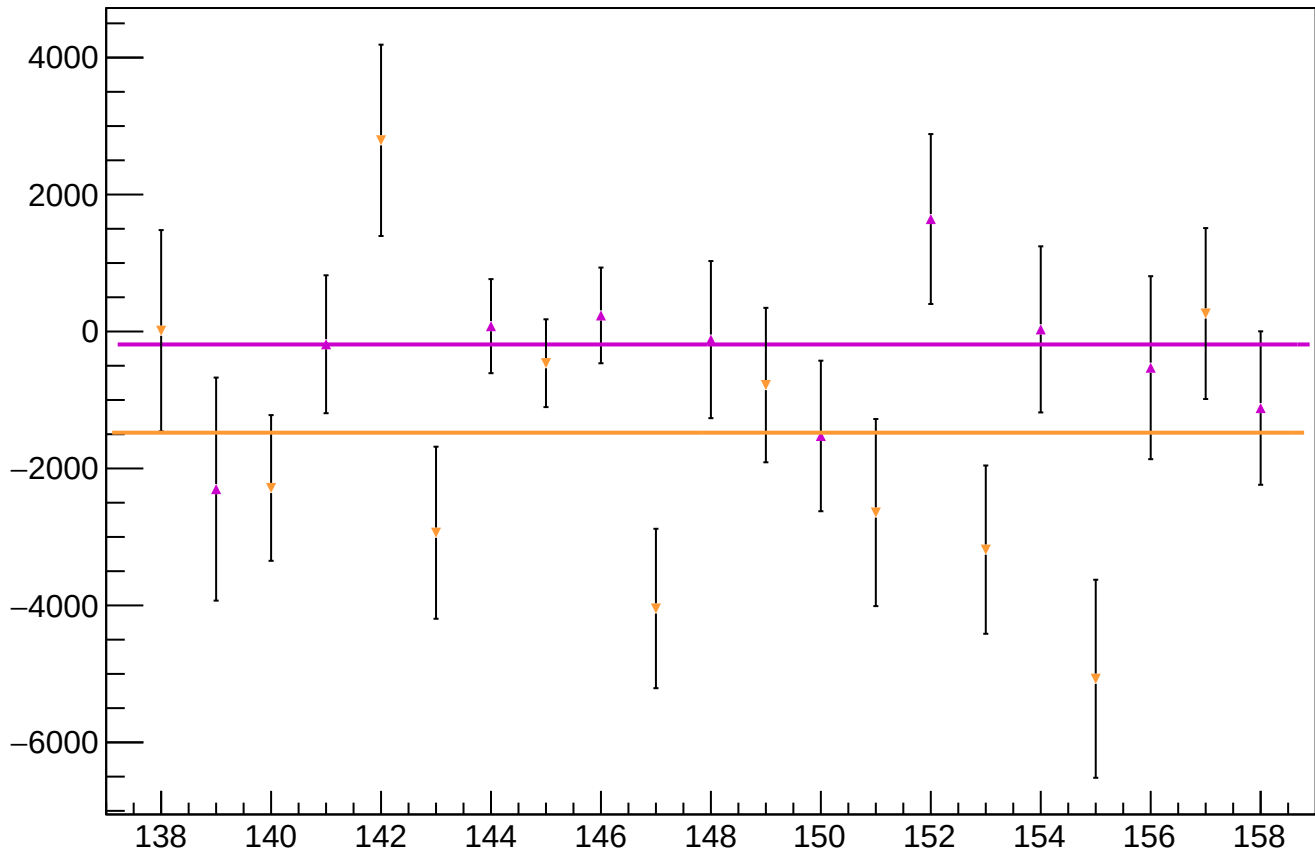
Right Out: 108.347+/-0.030 χ^2/NDF : 917309.2/19

Left In: 99.236+/-0.025 χ^2/NDF : 295880.7/9

104.172+/-0.020 χ^2/NDF : 1061321.3/27

102.907+/-0.019 χ^2/NDF : 1266926.5/29

asym_sam3_correction_mean vs Slug



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

Left Out: -1477.362+/-337.718 χ^2/NDF : 30.8/10

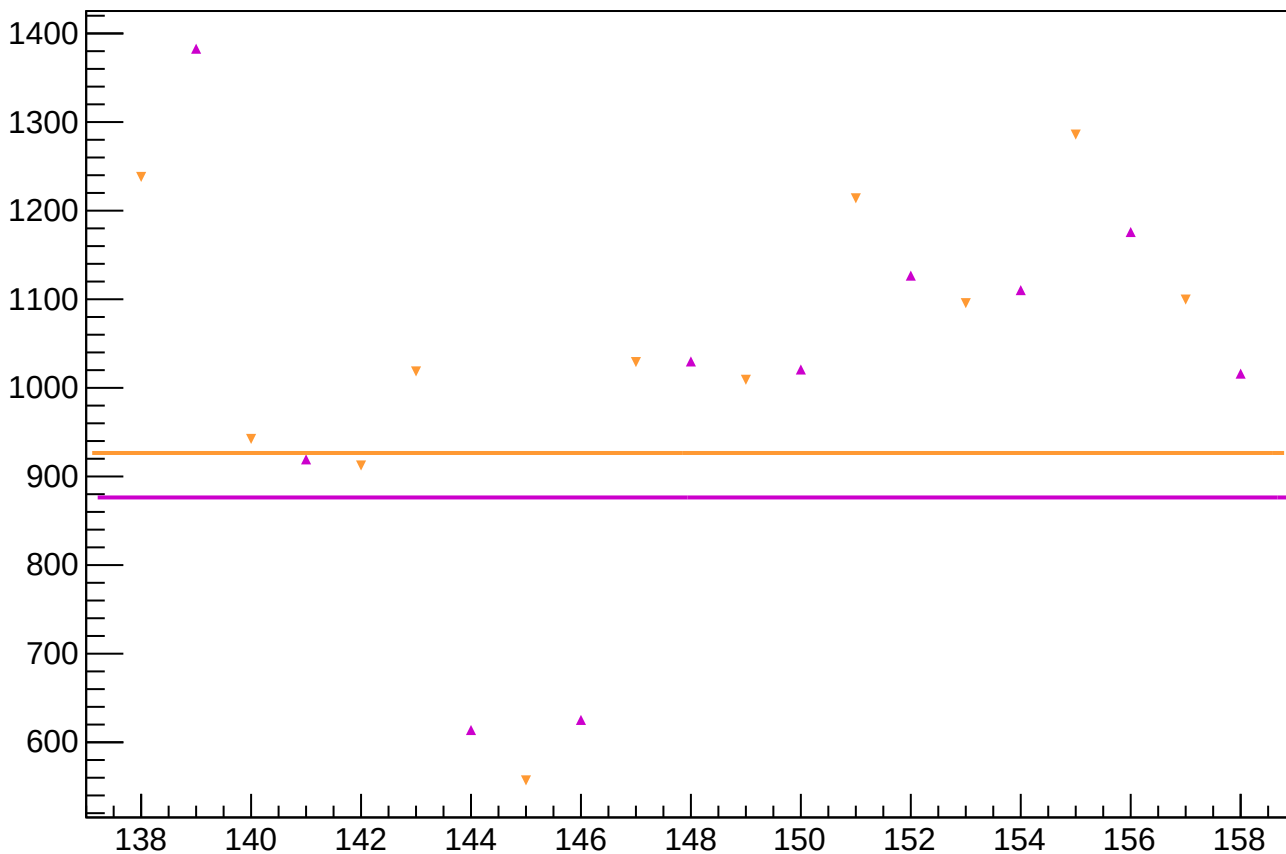
-1477.362+/-337.718 χ^2/NDF : 30.8/10

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

-189.102+/-319.360 χ^2/NDF : 6.6/9

Left In: -189.102+/-319.360 χ^2/NDF : 6.6/9

asym_sam3_correction_rms vs Slug



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

Left Out: 926.514+/-0.239 χ^2/NDF :1080230.9/10

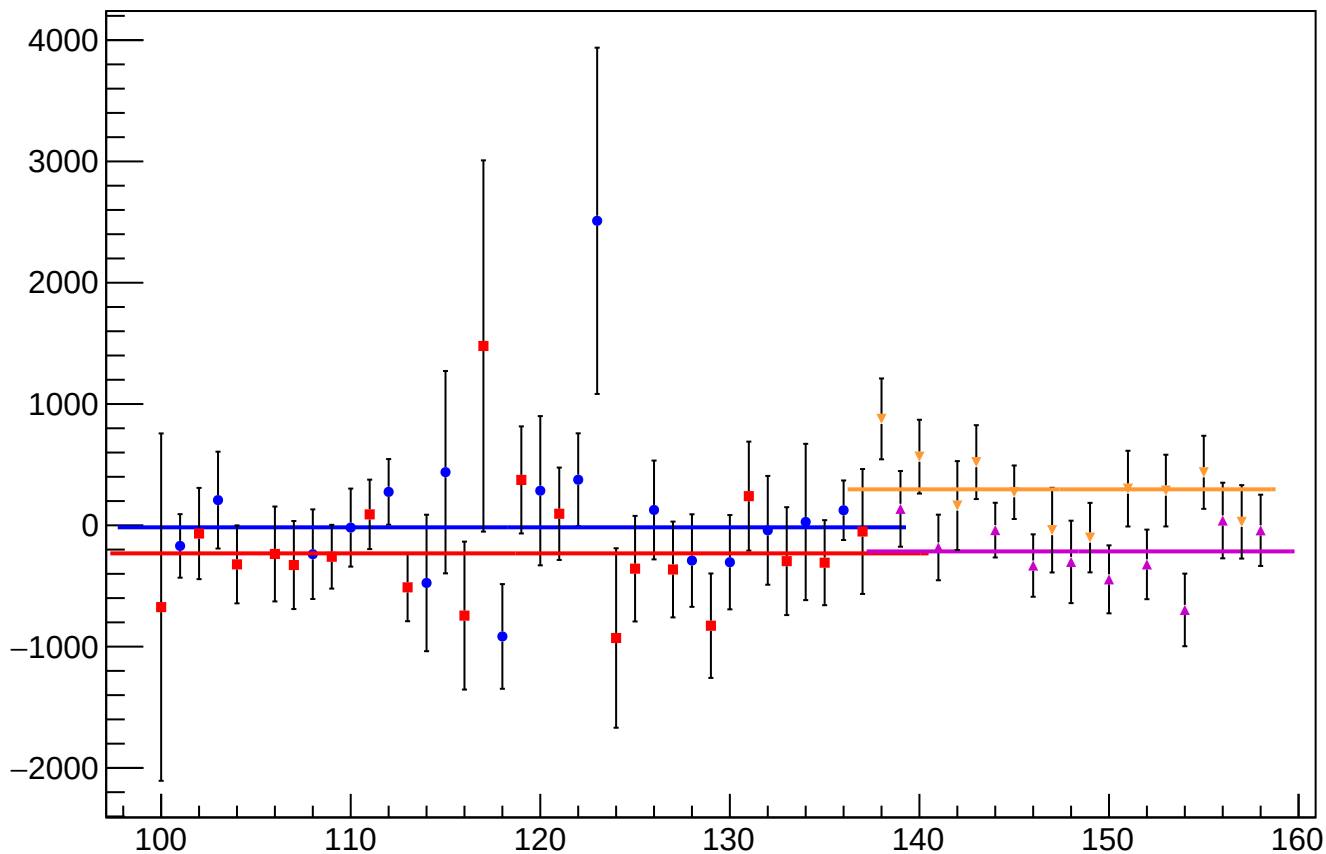
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 876.316+/-0.226 χ^2/NDF :1105287.0/9

926.514+/-0.239 χ^2/NDF : 1080230.9/10

876.316+/-0.226 χ^2/NDF : 1105287.0/9

reg_asym_sam4_mean vs Slug



Right In: -16.459 ± 93.285 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 296.852 ± 90.308 $\chi^2/\text{NDF}: 8.4/10$

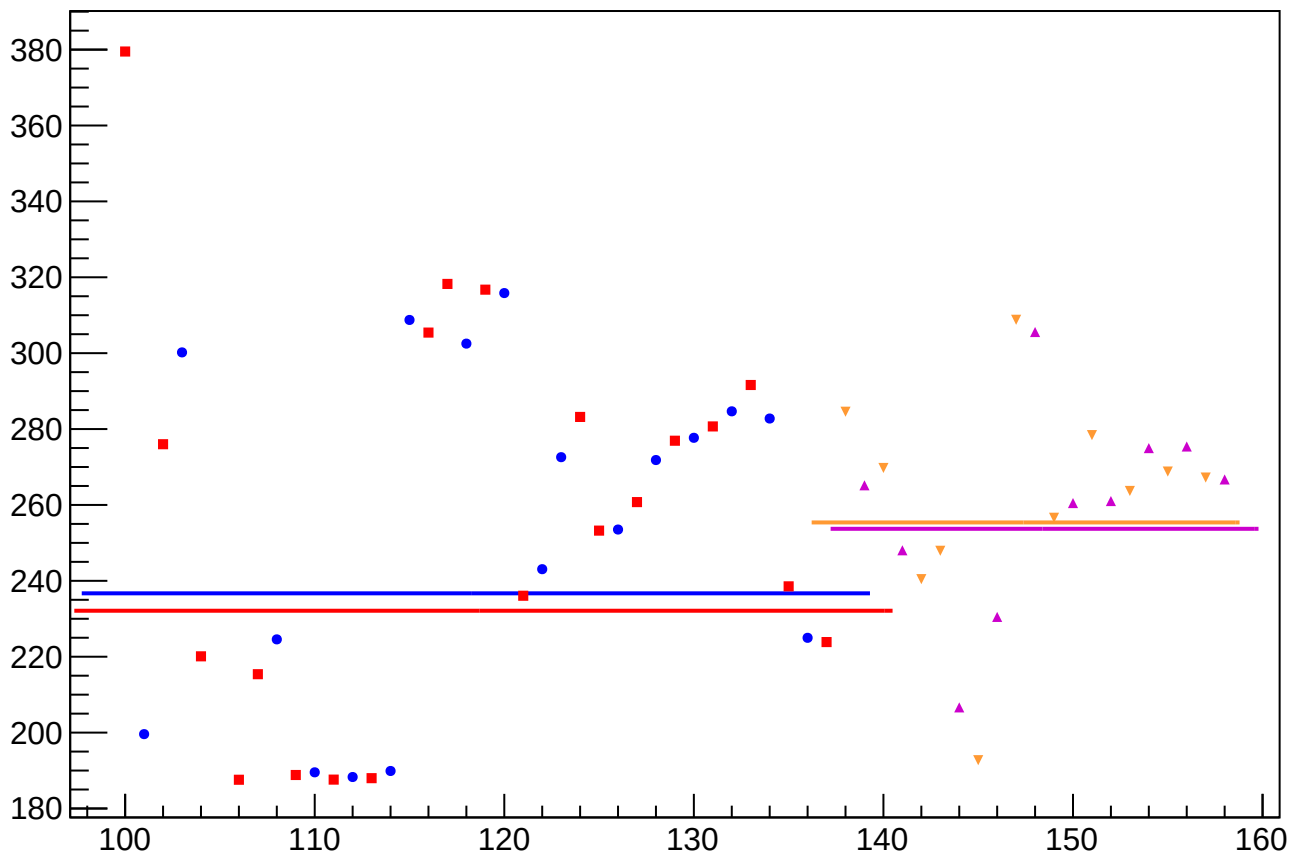
Right Out: -231.209 ± 88.787 $\chi^2/\text{NDF}: 11.6/19$

Left In: -215.035 ± 89.329 $\chi^2/\text{NDF}: 6.6/9$

145.274 ± 64.884 $\chi^2/\text{NDF}: 27.6/27$

-223.171 ± 62.973 $\chi^2/\text{NDF}: 18.2/29$

reg_asym_sam4_rms vs Slug



Right In: 236.706+/-0.066 χ^2/NDF : 390344.9/16

Left Out: 255.389+/-0.064 χ^2/NDF : 252002.8/10

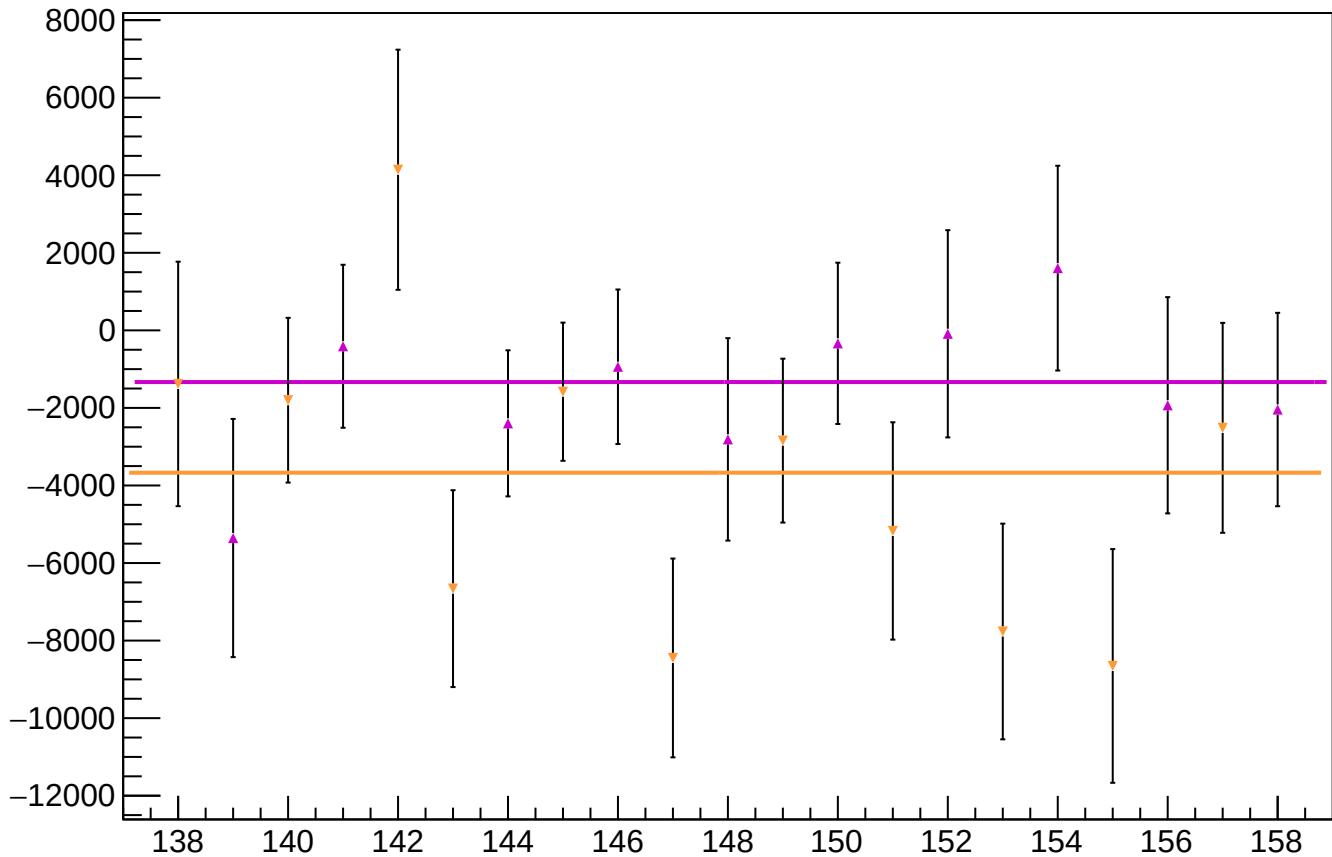
Right Out: 232.119+/-0.063 χ^2/NDF : 449633.1/19

Left In: 253.710+/-0.063 χ^2/NDF : 179766.7/9

246.350+/-0.046 χ^2/NDF : 683758.7/27

242.849+/-0.045 χ^2/NDF : 688173.6/29

asym_sam4_correction_mean vs Slug



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

Left Out: -3670.385+/-750.334 χ^2/NDF : 19.4/10

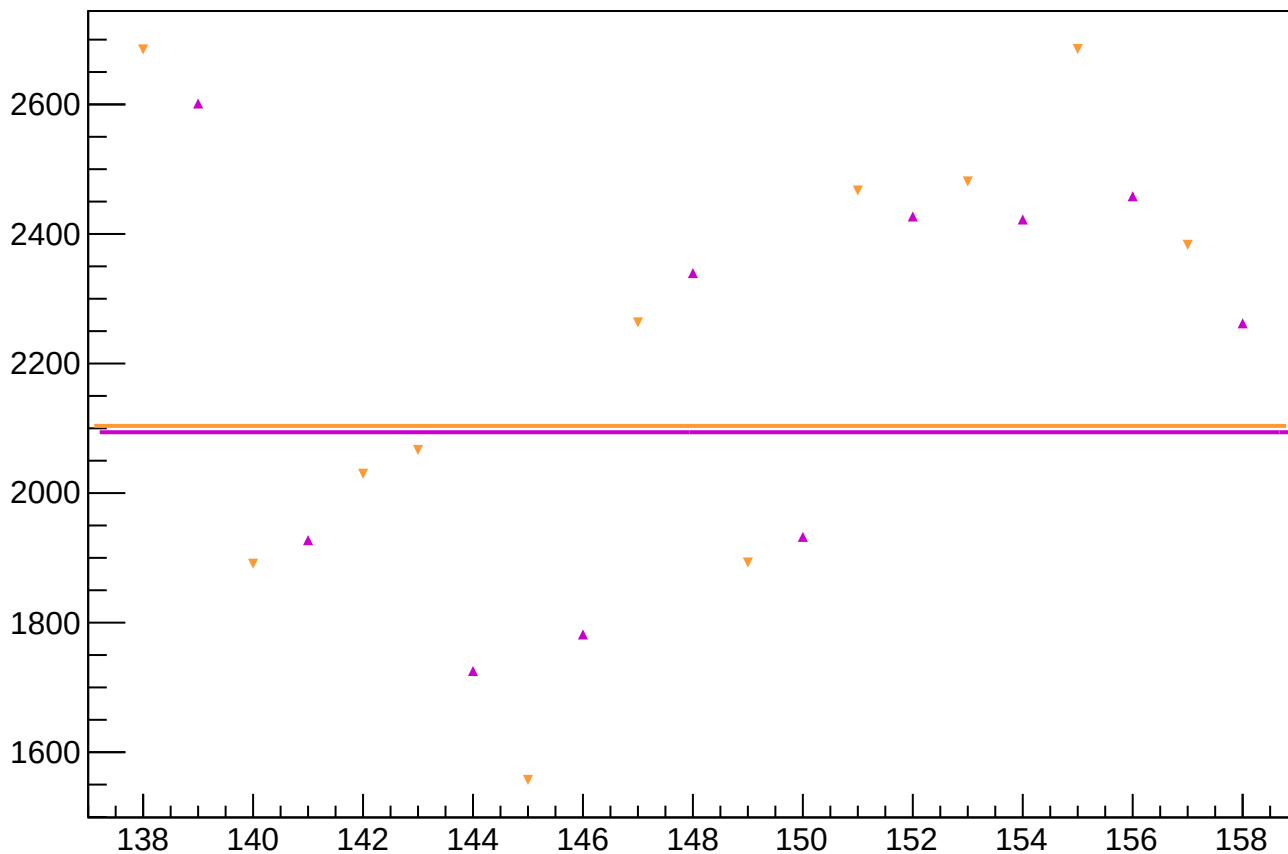
-3670.385+/-750.334 χ^2/NDF : 19.4/10

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

-1332.764+/-741.850 χ^2/NDF : 4.4/9

Left In: -1332.764+/-741.850 χ^2/NDF : 4.4/9

asym_sam4_correction_rms vs Slug



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

Left Out: 2103.708+/-0.531 χ^2/NDF : 471873.2/10

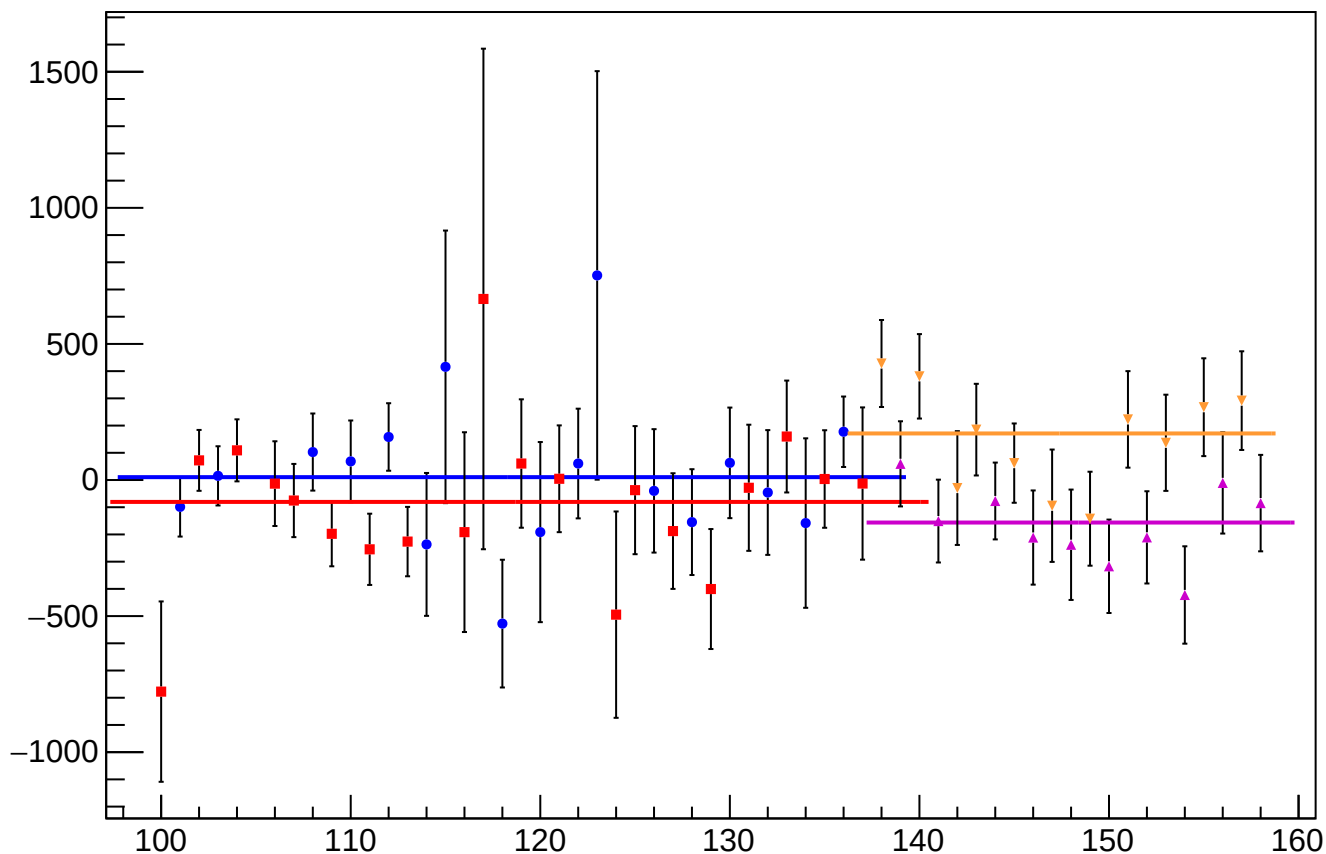
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 2093.934+/-0.525 χ^2/NDF : 327859.6/9

2103.708+/-0.531 χ^2/NDF : 471873.2/10

2093.934+/-0.525 χ^2/NDF : 327859.6/9

reg_asym_sam5_mean vs Slug



Right In: 10.530 ± 42.294 χ^2/NDF : 14.1/16

Left Out: 171.082 ± 52.116 χ^2/NDF : 11.7/10

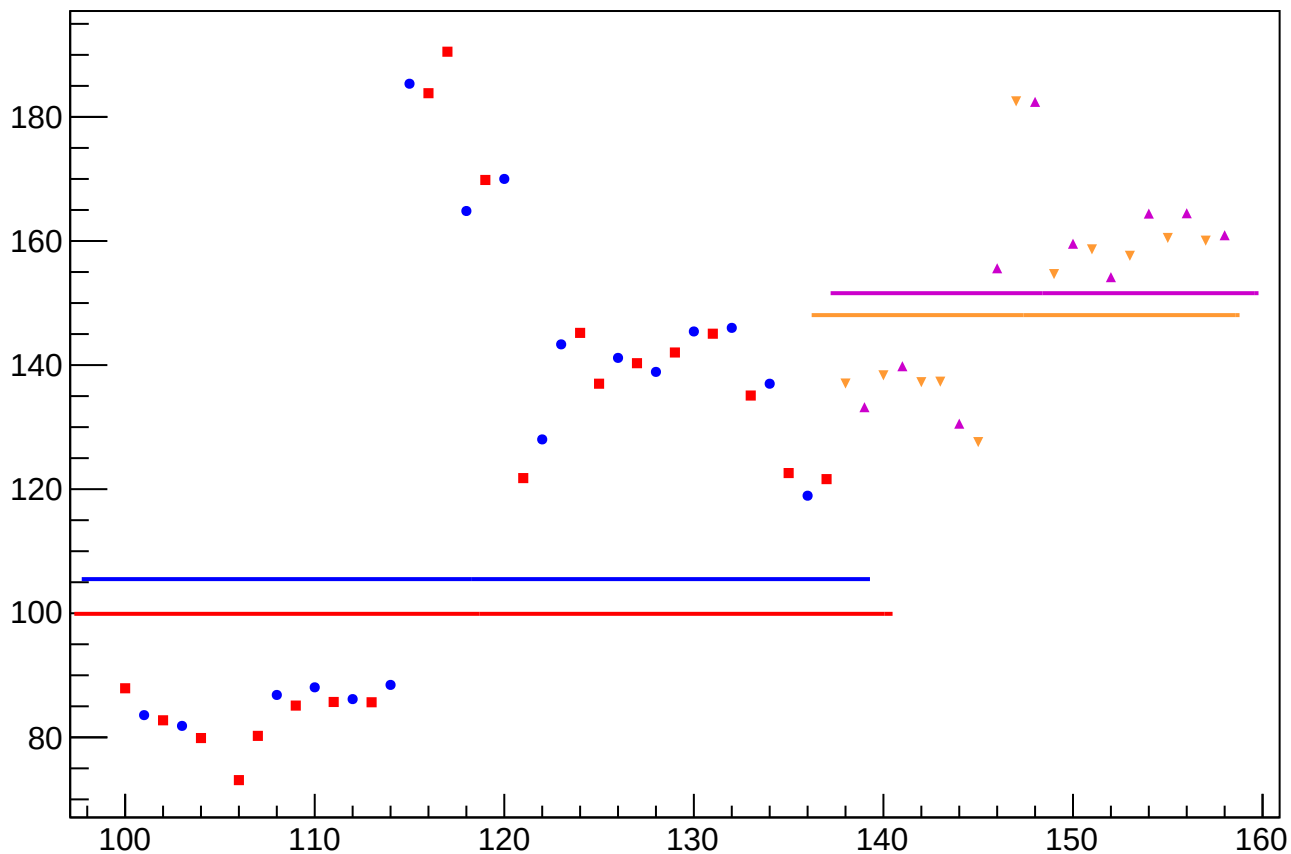
Right Out: -80.462 ± 38.950 χ^2/NDF : 19.9/19

Left In: -156.261 ± 53.245 χ^2/NDF : 6.4/9

74.282 ± 32.841 χ^2/NDF : 31.5/27

-106.884 ± 31.437 χ^2/NDF : 27.6/29

reg_asym_sam5_rms vs Slug



Right In: 105.503 $\pm$ 0.030 χ^2 /NDF: 869022.6/16

Left Out: 148.054 $\pm$ 0.037 χ^2 /NDF:160272.9/10

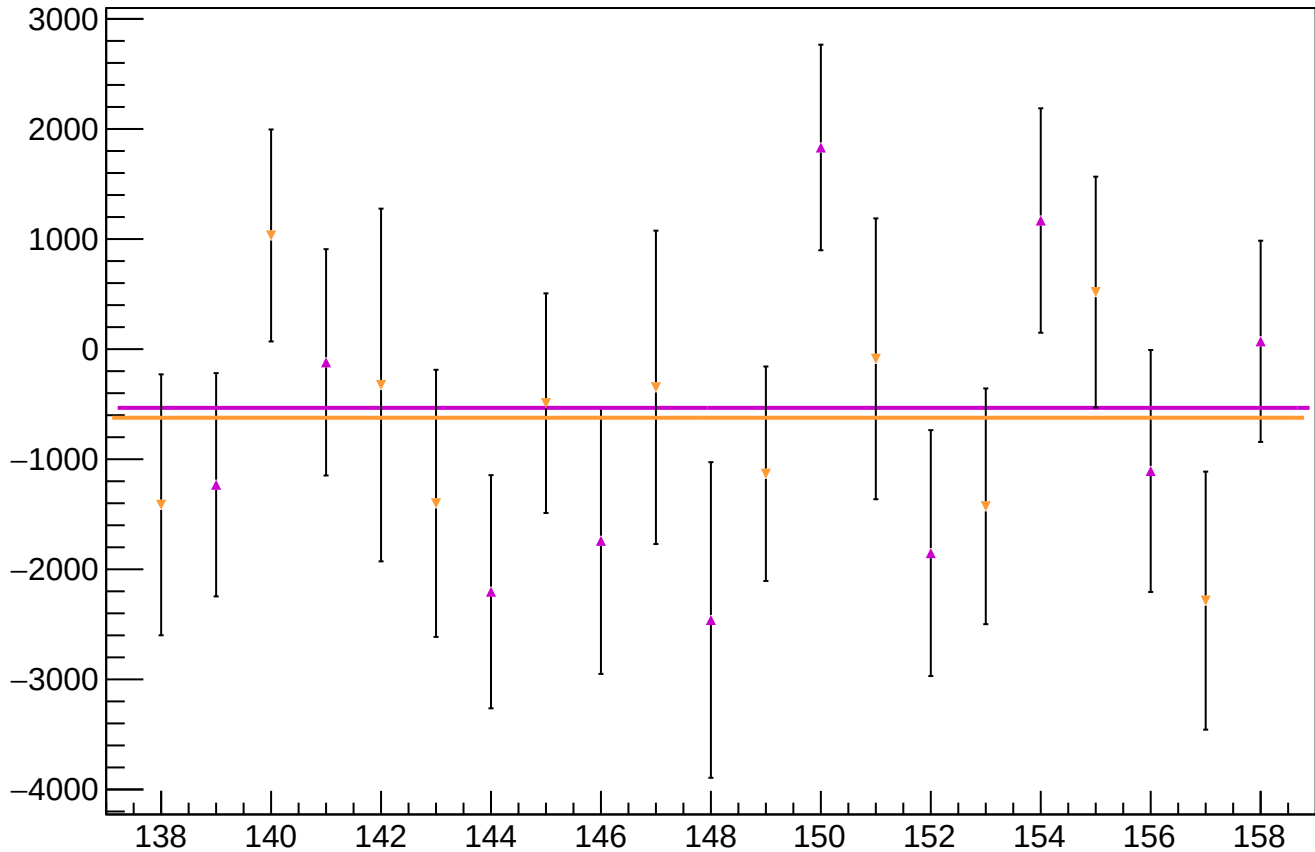
Right Out: 99.907 $\pm$ 0.028 χ^2 /NDF: 1019545.3/19

Left In: 151.590 $\pm$ 0.038 χ^2 /NDF:161514.6/9

122.399 $\pm$ 0.023 χ^2 /NDF: 1833138.1/27

117.923 $\pm$ 0.022 χ^2 /NDF: 2408554.4/29

asym_sam5_correction_mean vs Slug



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

Left Out: -623.210+/-342.278 χ^2/NDF : 8.1/10

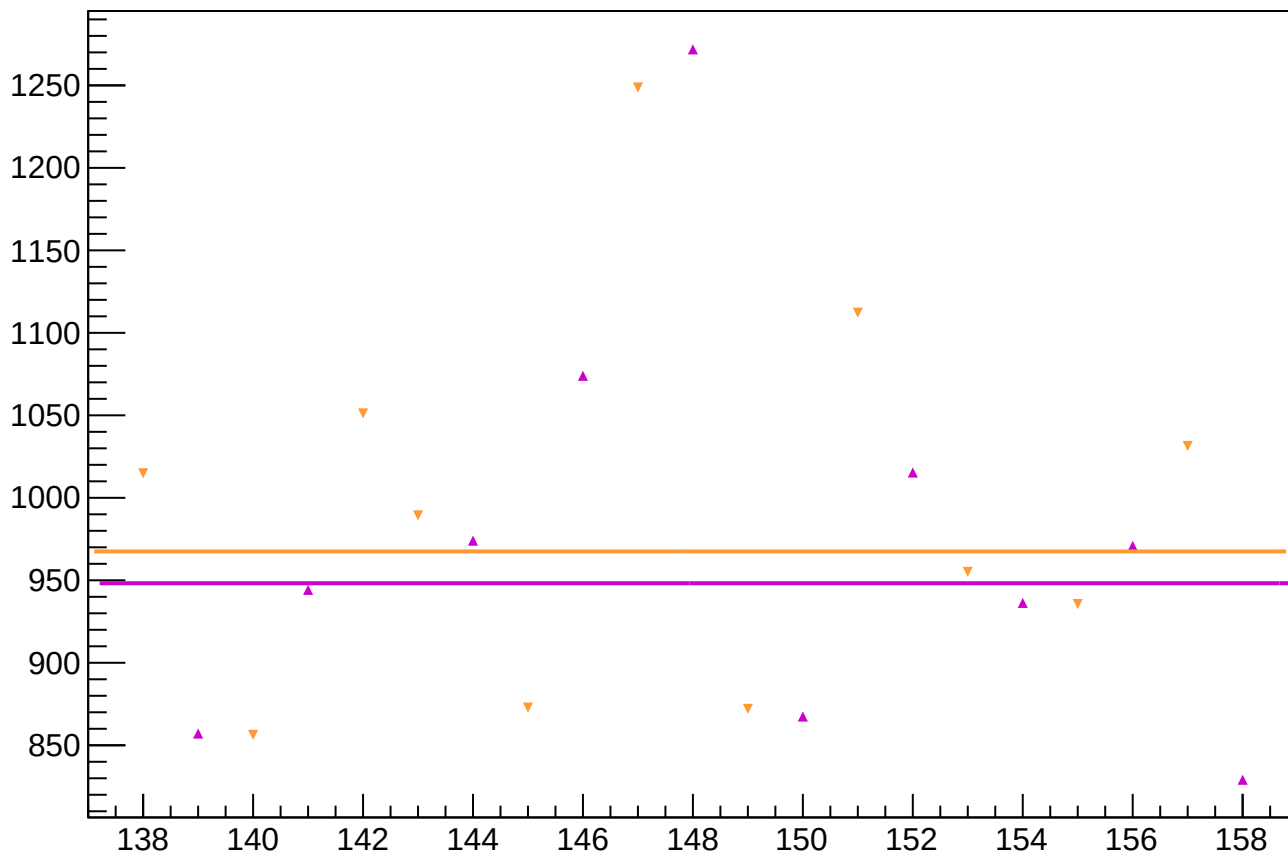
-623.210+/-342.278 χ^2/NDF : 8.1/10

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

-533.329+/-334.895 χ^2/NDF : 17.2/9

Left In: -533.329+/-334.895 χ^2/NDF : 17.2/9

asym_sam5_correction_rms vs Slug



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

Left Out: 967.497+/-0.242 χ^2/NDF : 185007.5/10

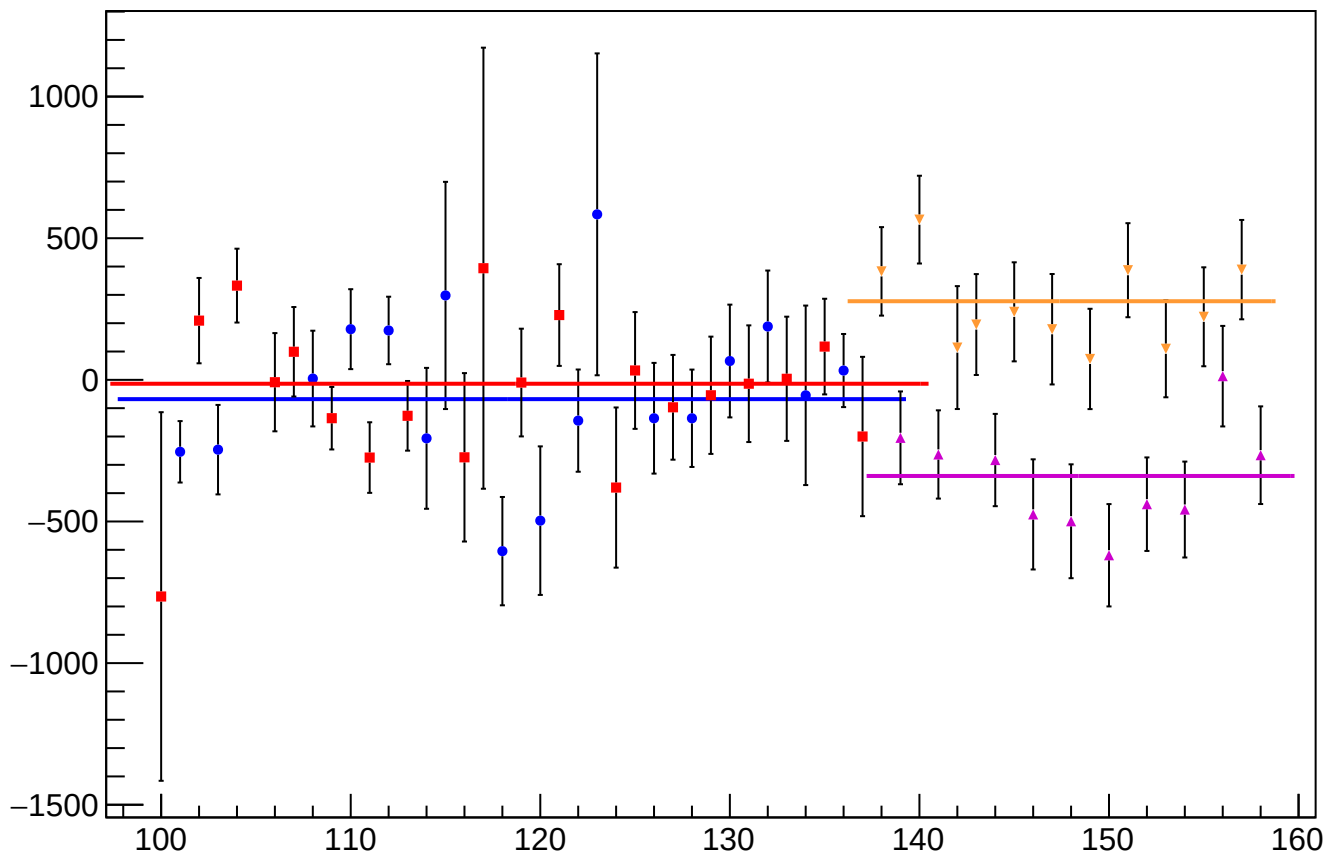
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 948.221+/-0.237 χ^2/NDF : 198184.3/9

967.497+/-0.242 χ^2/NDF : 185007.5/10

948.221+/-0.237 χ^2/NDF : 198184.3/9

reg_asym_sam6_mean vs Slug



Right In: -68.111 ± 42.265 χ^2/NDF : 27.8/16

Left Out: 277.566 ± 52.560 χ^2/NDF : 8.2/10

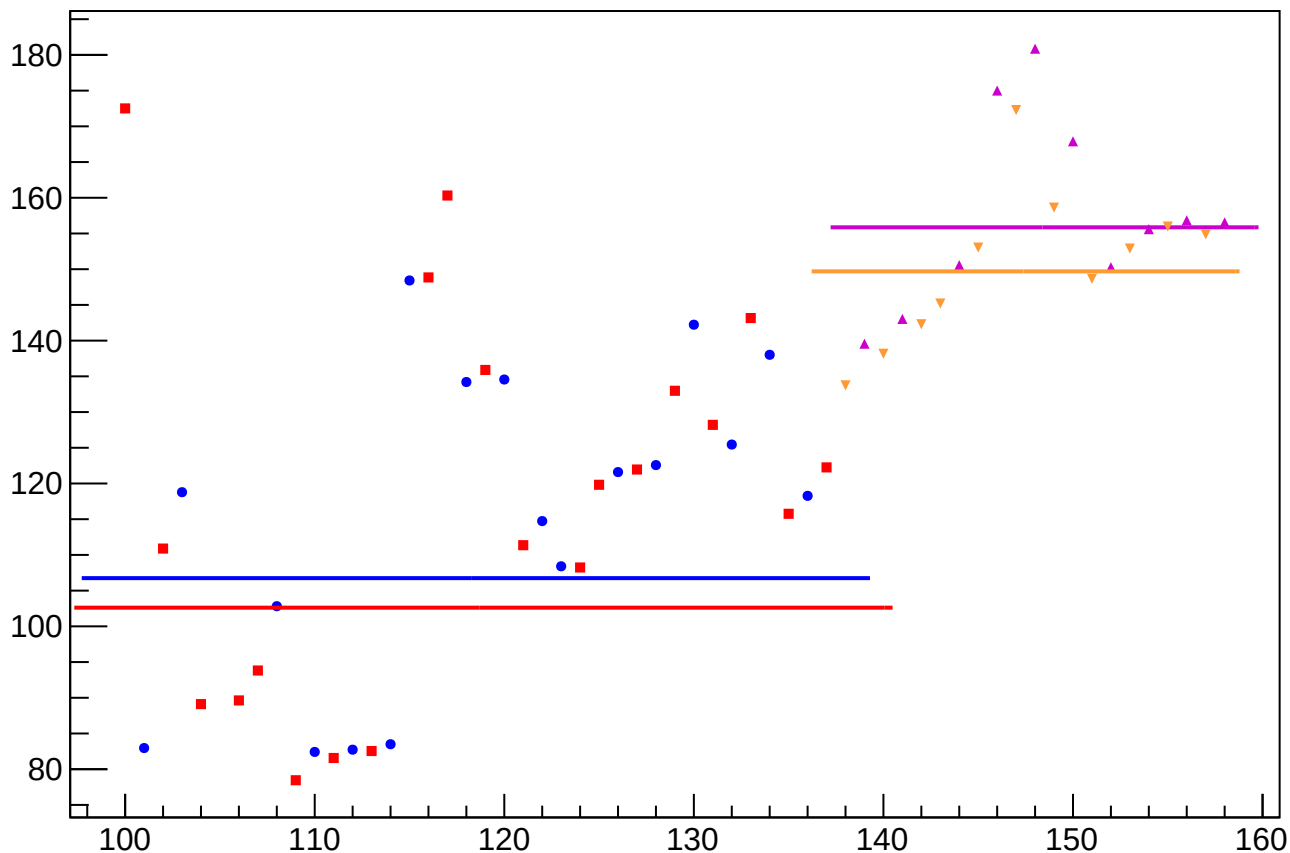
Right Out: -13.752 ± 39.416 χ^2/NDF : 23.4/19

Left In: -339.321 ± 54.638 χ^2/NDF : 9.5/9

67.636 ± 32.937 χ^2/NDF : 62.3/27

-125.191 ± 31.966 χ^2/NDF : 56.3/29

reg_asym_sam6_rms vs Slug



Right In: 106.749+/-0.030 χ^2/NDF : 501742.8/16

Left Out: 149.694+/-0.037 χ^2/NDF : 73313.1/10

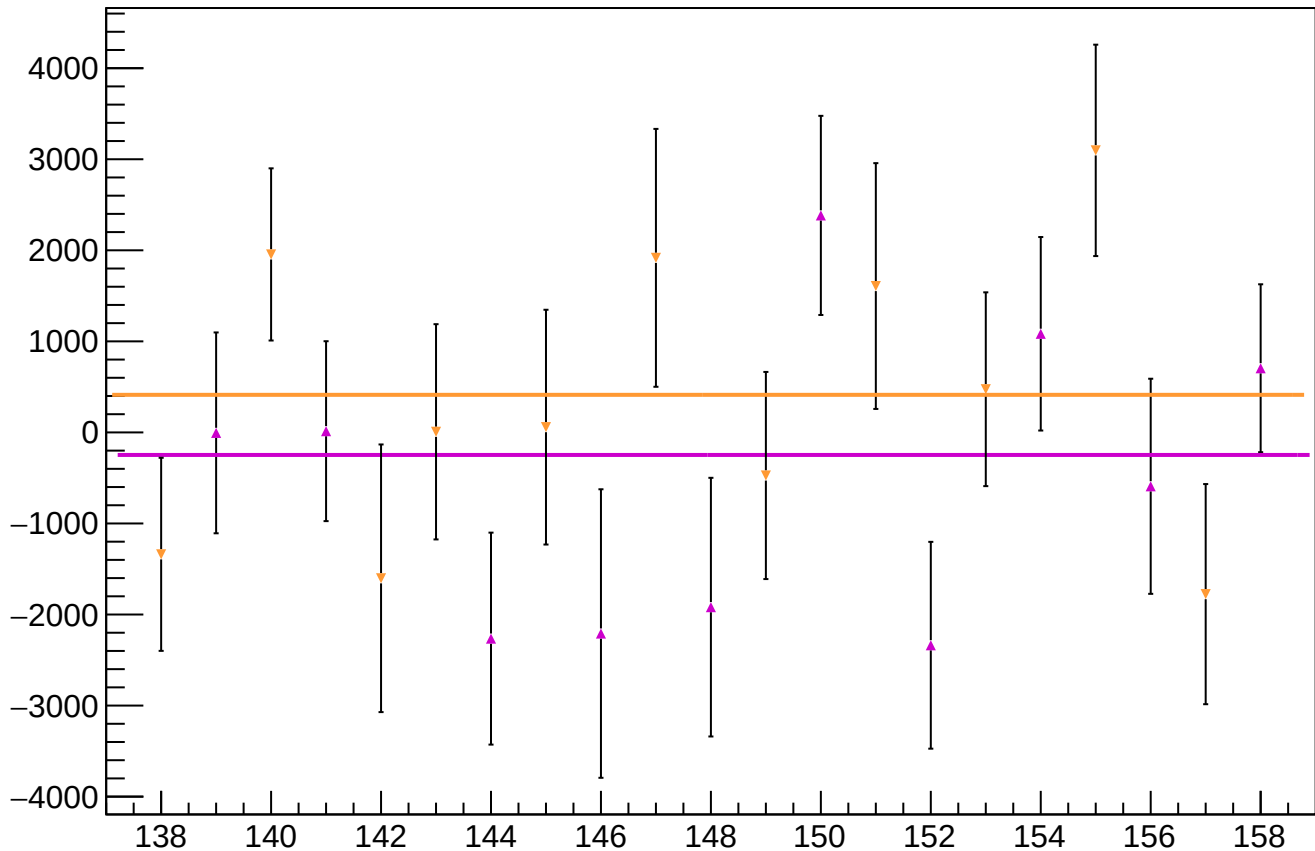
Right Out: 102.615+/-0.028 χ^2/NDF : 600357.6/19

Left In: 155.864+/-0.039 χ^2/NDF : 97073.6/9

123.614+/-0.023 χ^2/NDF : 1385897.1/27

120.842+/-0.023 χ^2/NDF : 1946815.6/29

asym_sam6_correction_mean vs Slug



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

Left Out: 412.749+/-355.360 χ^2/NDF : 18.6/10

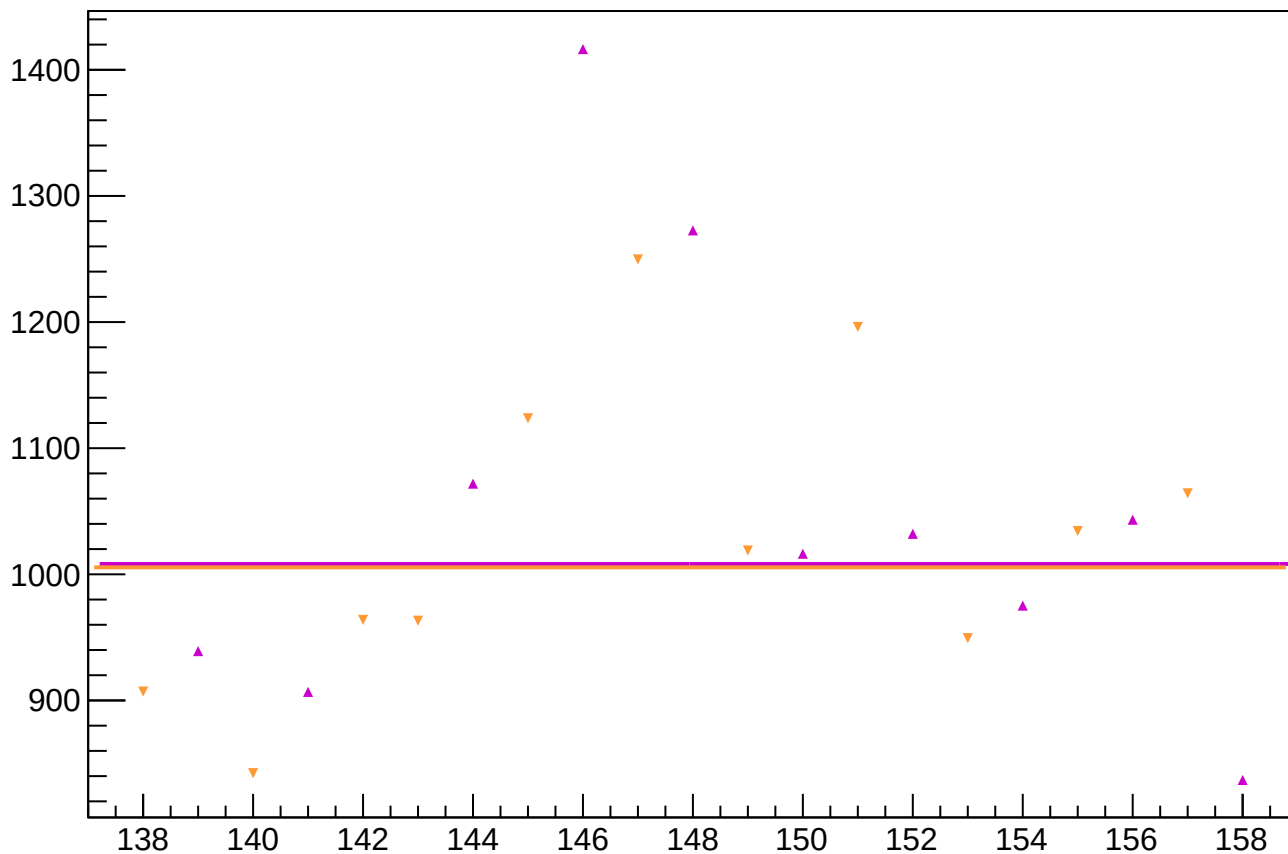
412.749+/-355.360 χ^2/NDF : 18.6/10

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

-247.515+/-356.481 χ^2/NDF : 17.9/9

Left In: -247.515+/-356.481 χ^2/NDF : 17.9/9

asym_sam6_correction_rms vs Slug



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

Left Out: 1005.525+/-0.251 χ^2/NDF : 208966.1/10

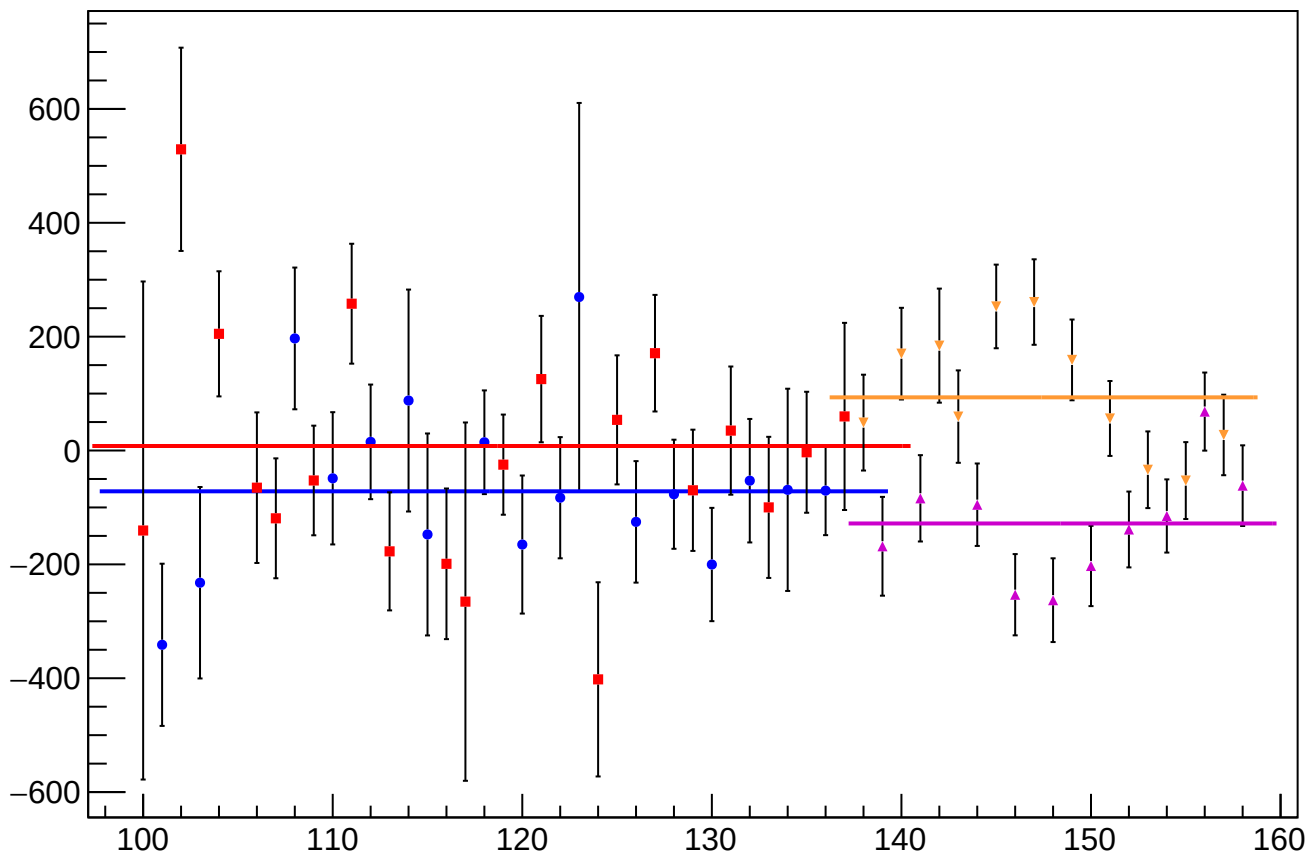
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1008.186+/-0.252 χ^2/NDF : 310743.0/9

1005.525+/-0.251 χ^2/NDF : 208966.1/10

1008.186+/-0.252 χ^2/NDF : 310743.0/9

reg_asym_sam7_mean vs Slug



Right In: -71.669 ± 28.358 $\chi^2/\text{NDF}: 15.2/16$

Left Out: 93.384 ± 22.479 $\chi^2/\text{NDF}: 22.2/10$

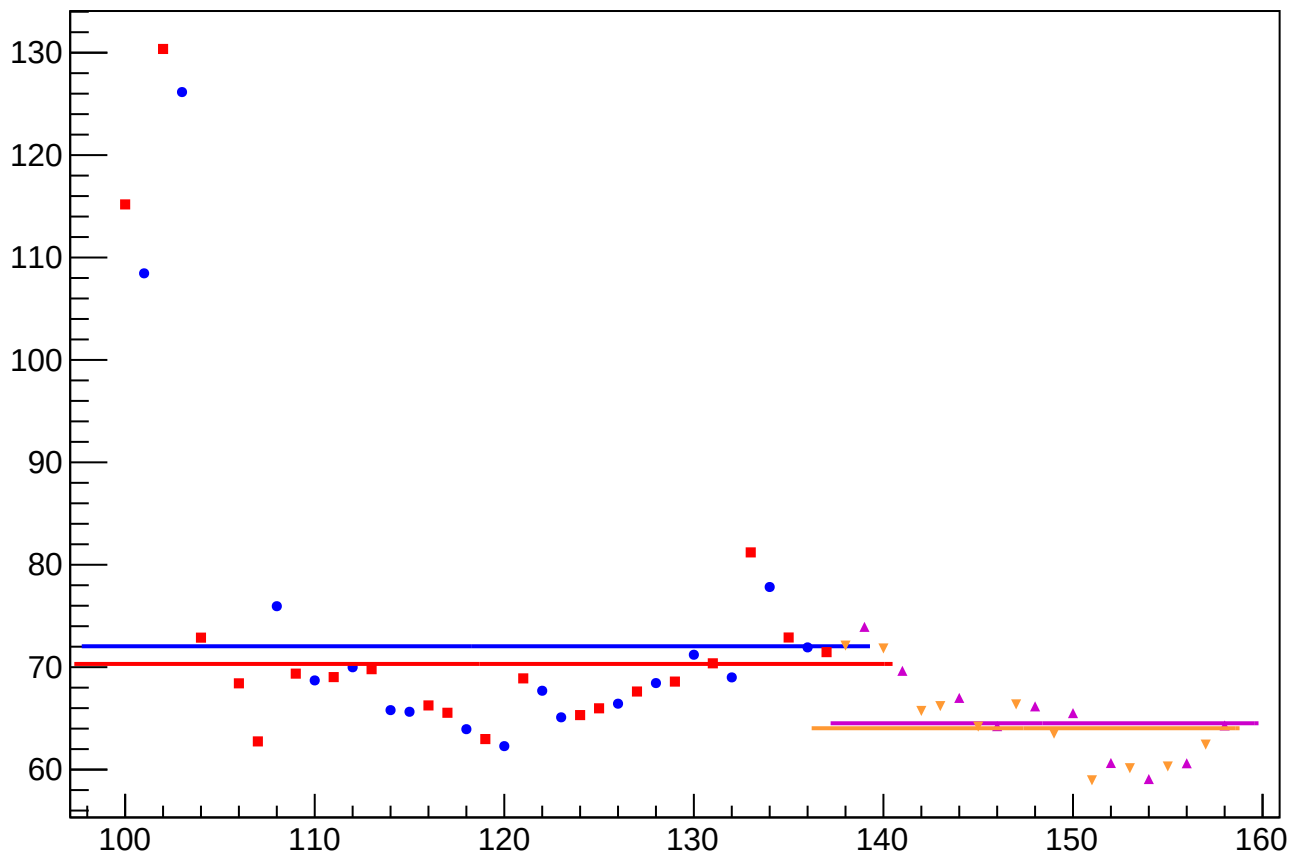
Right Out: 7.933 ± 26.719 $\chi^2/\text{NDF}: 37.2/19$

Left In: -128.151 ± 22.593 $\chi^2/\text{NDF}: 17.5/9$

29.694 ± 17.616 $\chi^2/\text{NDF}: 58.2/27$

-71.416 ± 17.252 $\chi^2/\text{NDF}: 69.8/29$

reg_asym_sam7_rms vs Slug



Right In: 72.042 $\pm$ 0.020 χ^2 /NDF: 391971.7/16

Left Out: 64.037 $\pm$ 0.016 χ^2 /NDF: 66921.9/10

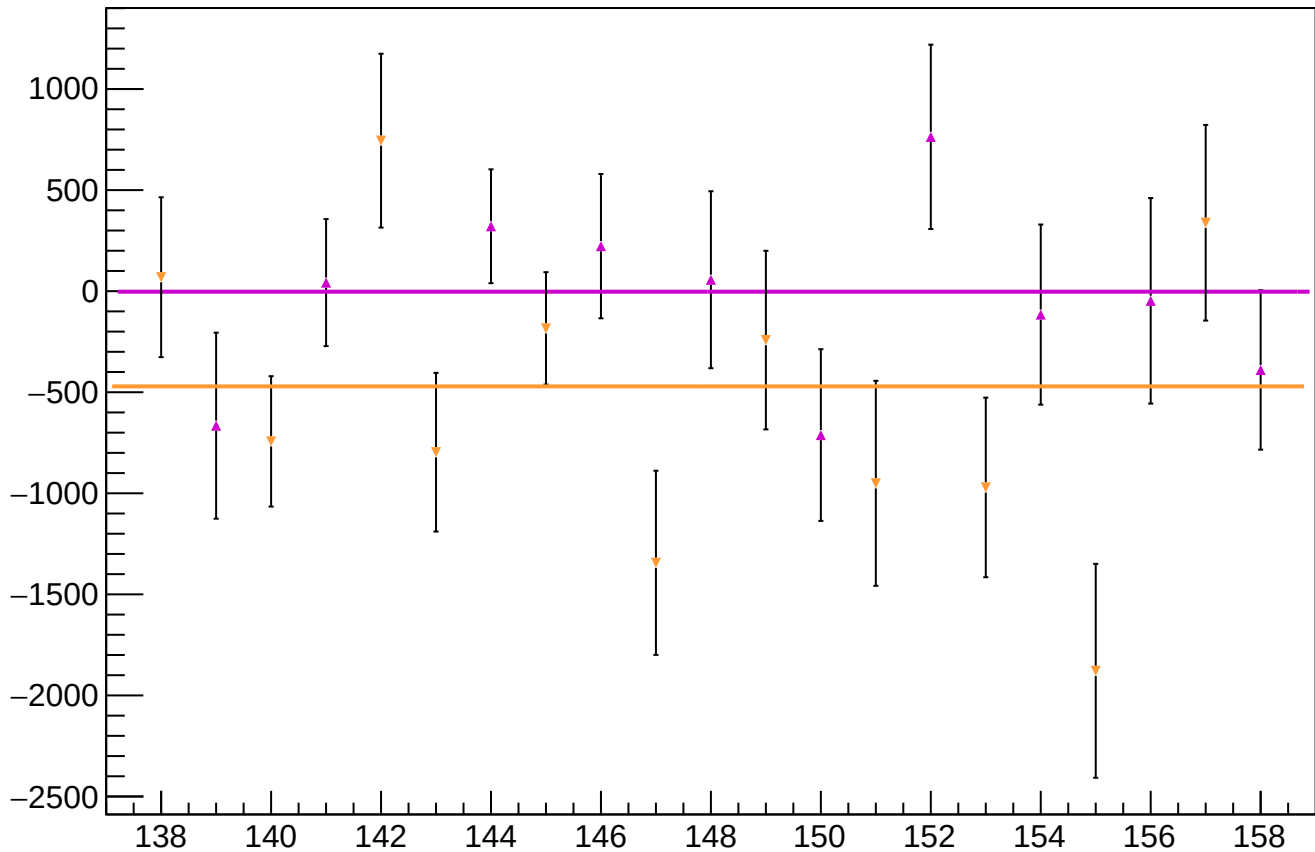
Right Out: 70.316 $\pm$ 0.019 χ^2 /NDF: 299468.0/19

Left In: 64.523 $\pm$ 0.016 χ^2 /NDF: 64062.8/9

67.126 $\pm$ 0.012 χ^2 /NDF: 556773.0/27

66.938 $\pm$ 0.012 χ^2 /NDF: 418363.2/29

asym_sam7_correction_mean vs Slug



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

Left Out: -471.013+/-121.662 χ^2/NDF : 28.3/10

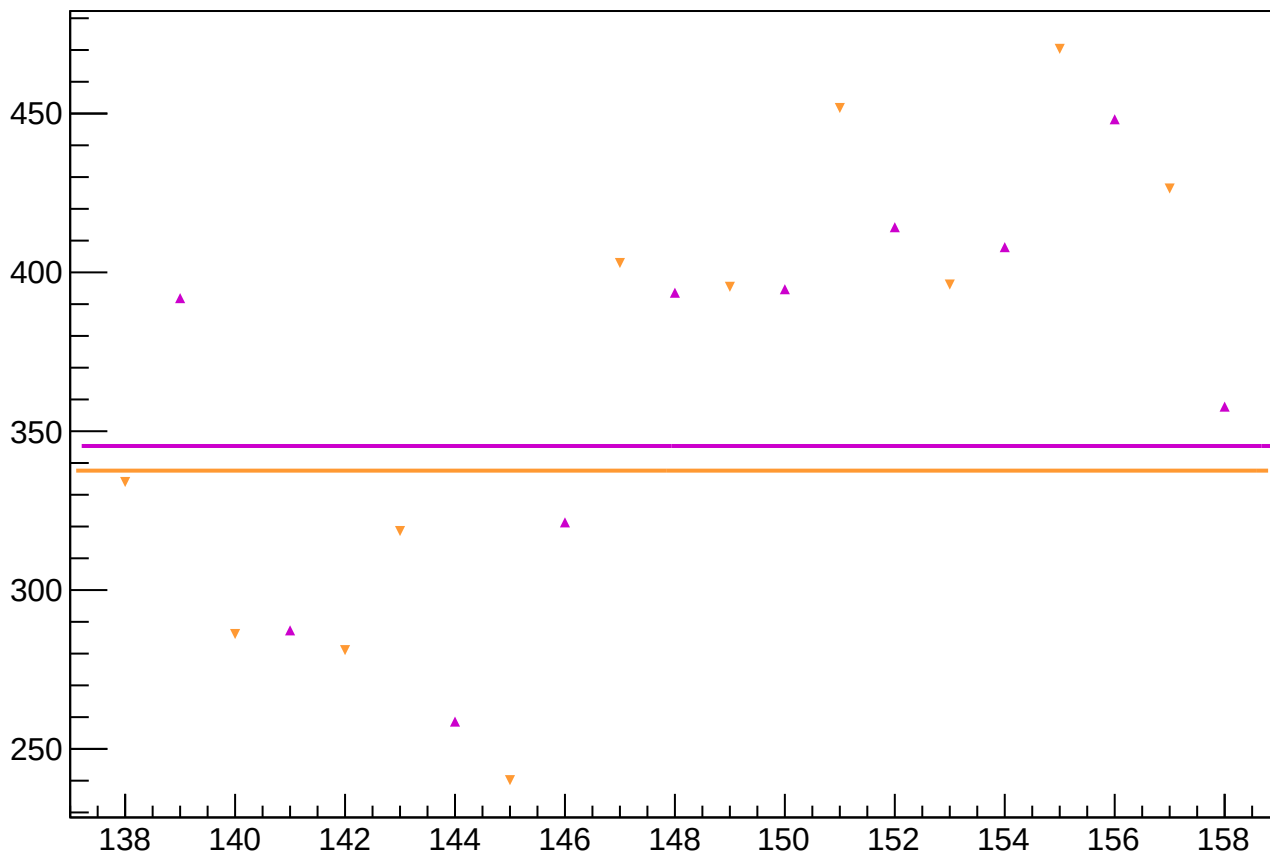
-471.013+/-121.662 χ^2/NDF : 28.3/10

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

-2.563+/-122.920 χ^2/NDF : 10.5/9

Left In: -2.563+/-122.920 χ^2/NDF : 10.5/9

asym_sam7_correction_rms vs Slug



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

Left Out: 337.596+/-0.086 χ^2/NDF : 740456.6/10

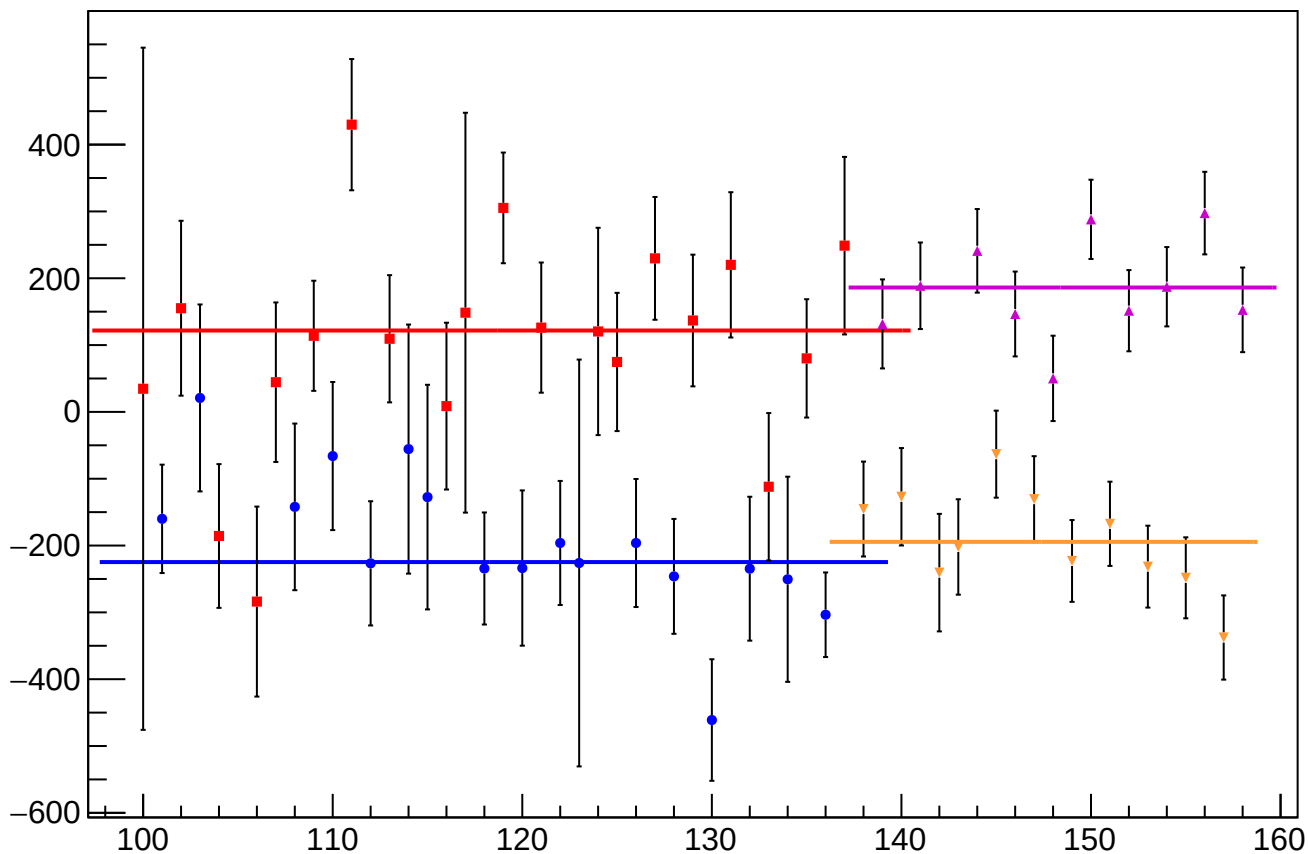
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 345.352+/-0.087 χ^2/NDF : 507518.7/9

337.596+/-0.086 χ^2/NDF : 740456.6/10

345.352+/-0.087 χ^2/NDF : 507518.7/9

reg_asym_sam8_mean vs Slug



Right In: -224.727 ± 24.880 $\chi^2/\text{NDF}: 16.0/16$

Left Out: -194.465 ± 20.004 $\chi^2/\text{NDF}: 13.4/10$

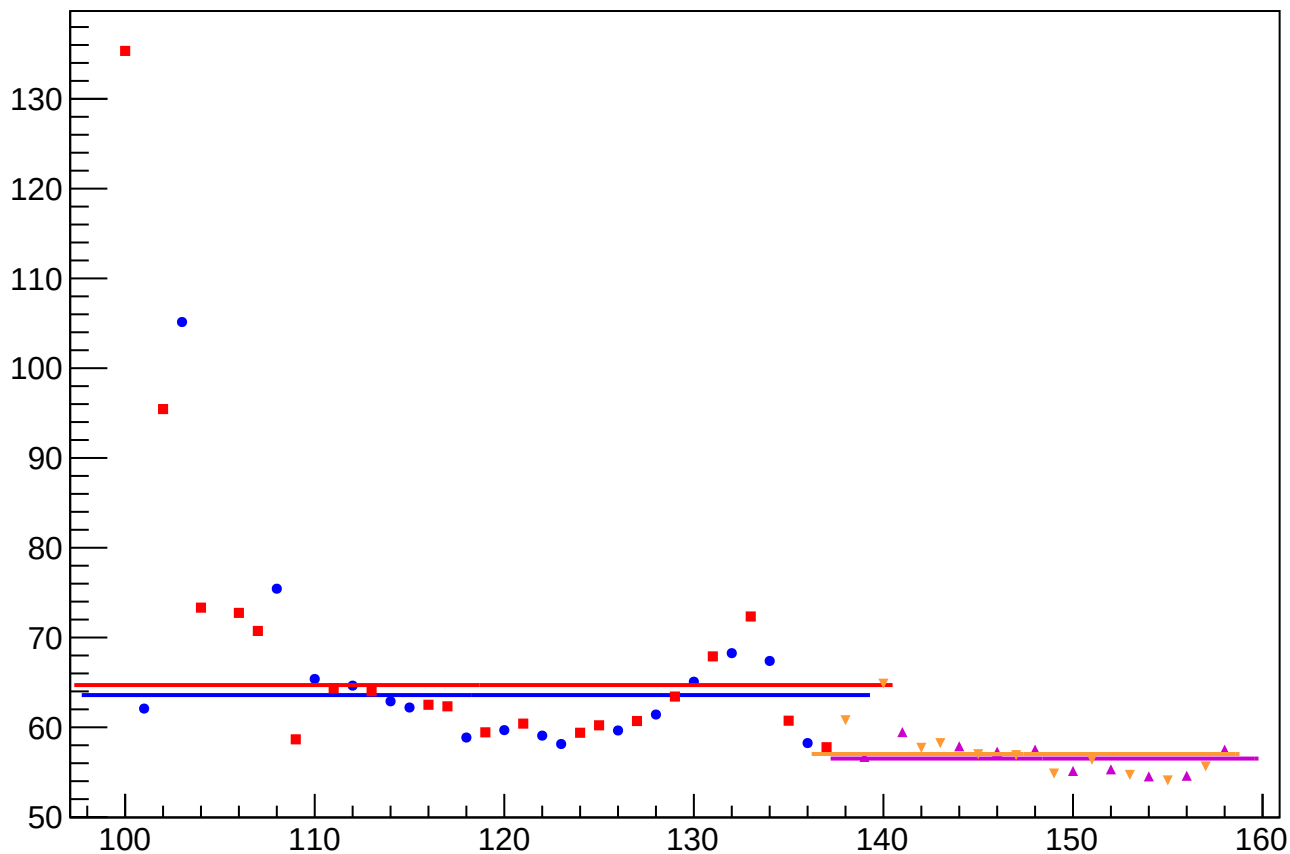
Right Out: 121.814 ± 24.516 $\chi^2/\text{NDF}: 40.5/19$

Left In: 186.135 ± 19.754 $\chi^2/\text{NDF}: 13.2/9$

-206.346 ± 15.590 $\chi^2/\text{NDF}: 30.3/27$

160.815 ± 15.382 $\chi^2/\text{NDF}: 57.8/29$

reg_asym_sam8_rms vs Slug



Right In: 63.589 ± 0.018 χ^2/NDF : 234601.0/16

Left Out: 57.026 ± 0.014 χ^2/NDF : 40669.1/10

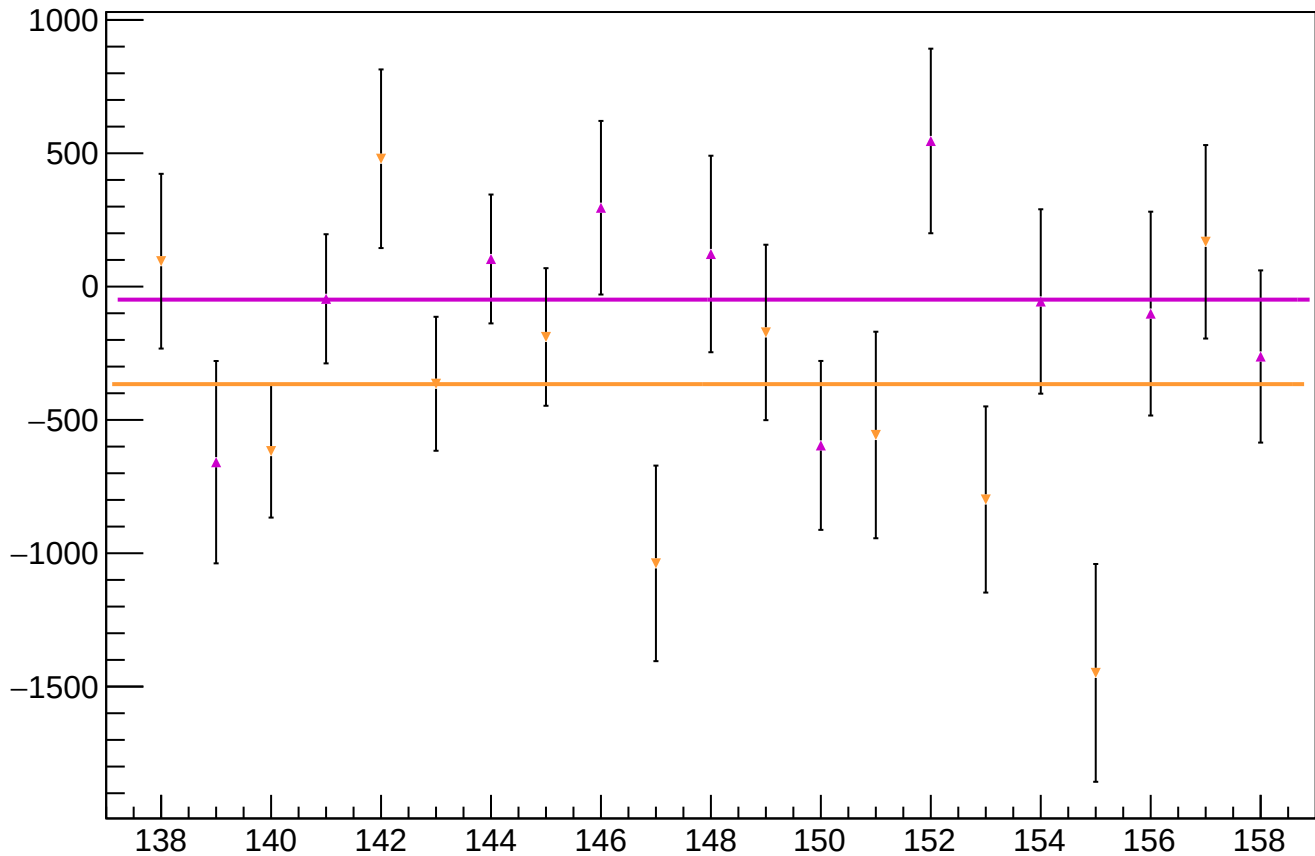
Right Out: 64.704 ± 0.017 χ^2/NDF : 227632.6/19

Left In: 56.518 ± 0.014 χ^2/NDF : 12419.8/9

59.603 ± 0.011 χ^2/NDF : 359807.6/27

59.740 ± 0.011 χ^2/NDF : 375270.8/29

asym_sam8_correction_mean vs Slug



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

Left Out: -365.800+/-95.206 χ^2/NDF : 24.5/10

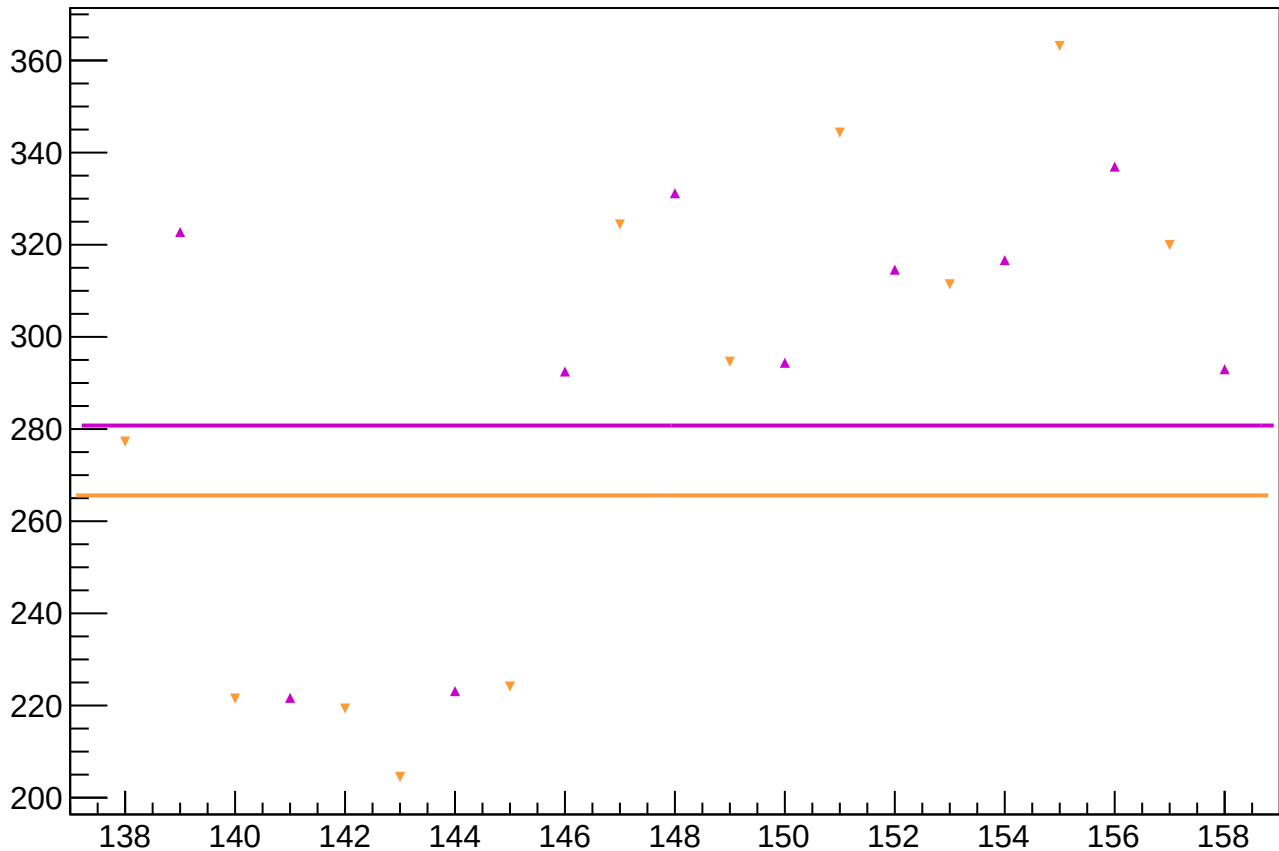
-365.800+/-95.206 χ^2/NDF : 24.5/10

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

-48.898+/-99.488 χ^2/NDF : 10.7/9

Left In: -48.898+/-99.488 χ^2/NDF : 10.7/9

asym_sam8_correction_rms vs Slug



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

Left Out: 265.600+/-0.067 χ^2/NDF : 616304.8/10

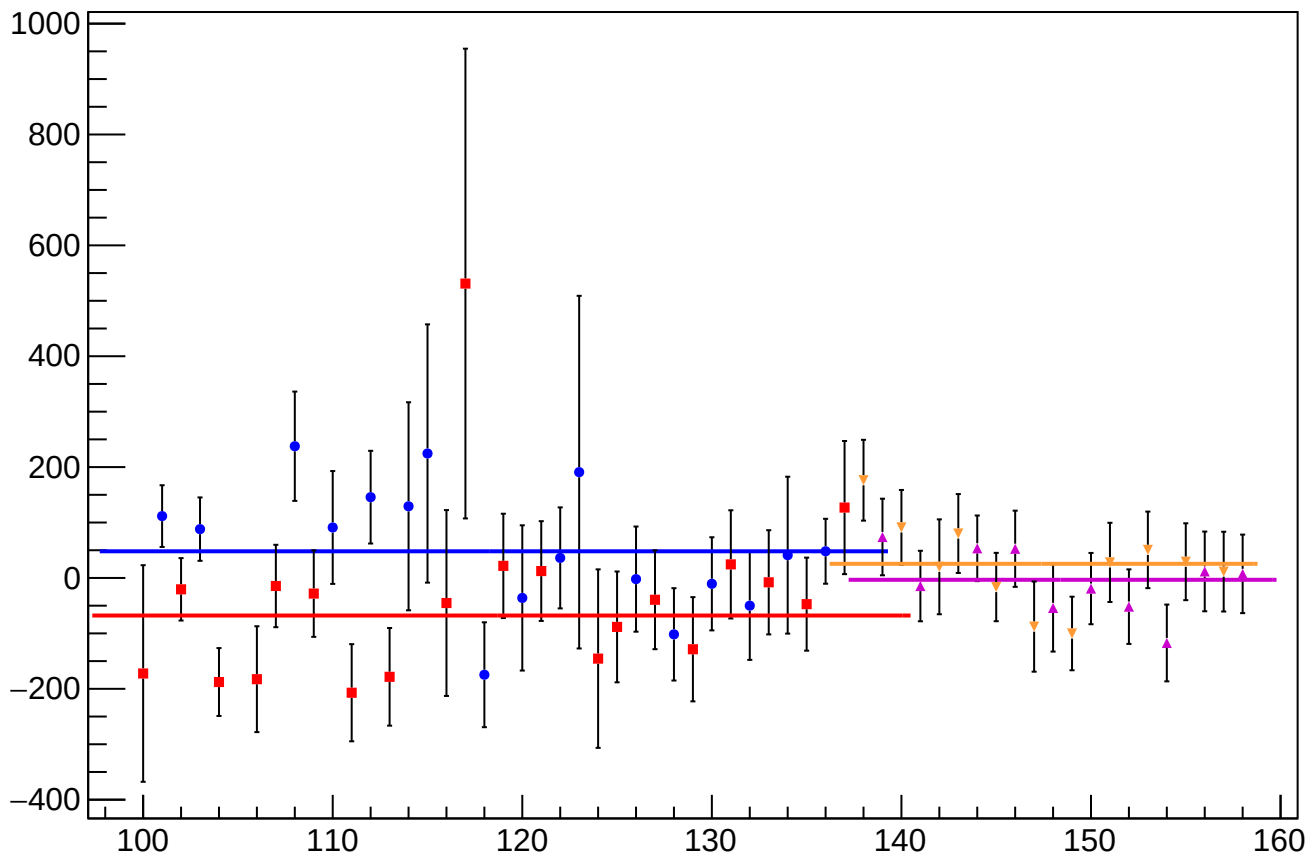
265.600+/-0.067 χ^2/NDF : 616304.8/10

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

280.762+/-0.070 χ^2/NDF : 387842.9/9

Left In: 280.762+/-0.070 χ^2/NDF : 387842.9/9

reg_asym_sam_15_avg_mean vs Slug



Right In: 48.109+/-21.510 χ^2/NDF : 19.0/16

Left Out: 25.530+/-21.370 χ^2/NDF : 12.0/10

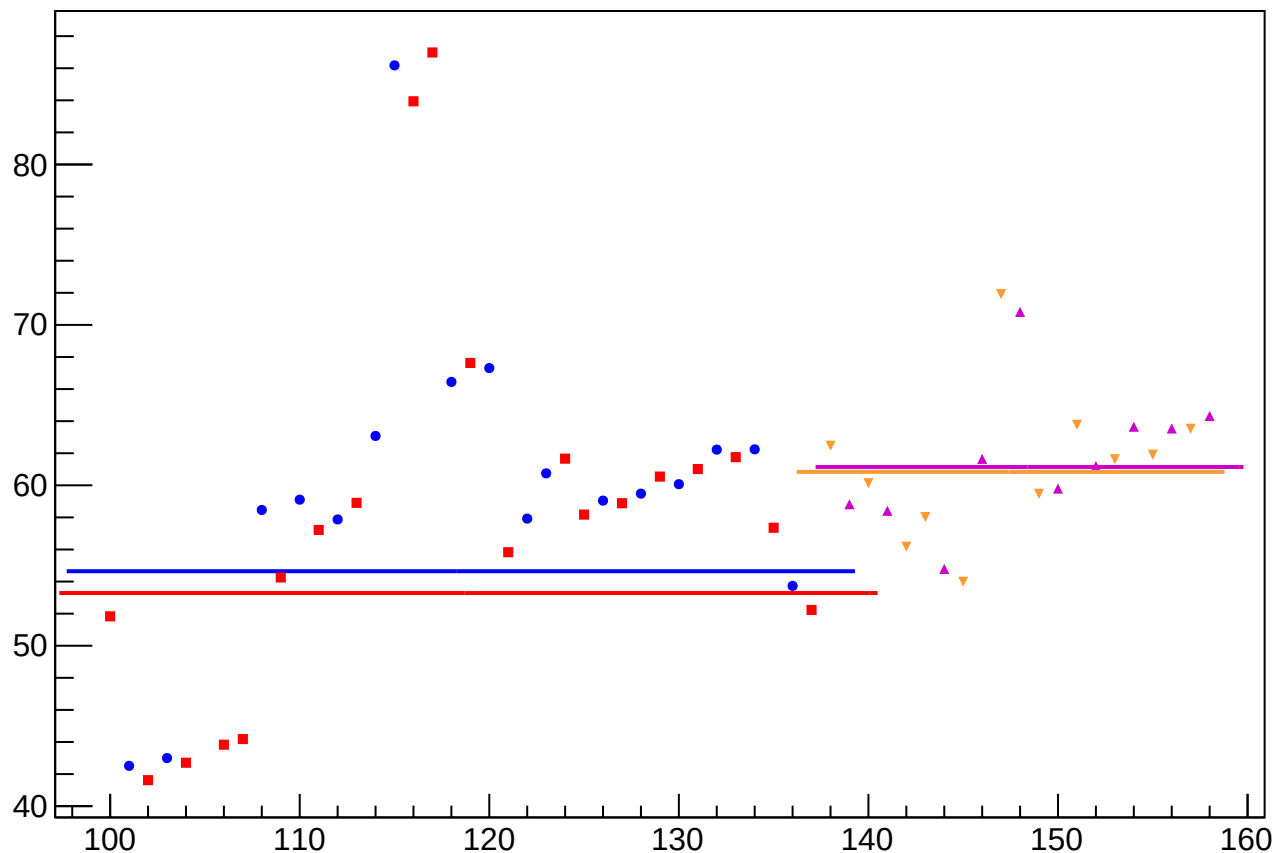
Right Out: -67.767+/-20.383 χ^2/NDF : 19.7/19

Left In: -3.303+/-21.421 χ^2/NDF : 6.6/9

36.745+/-15.160 χ^2/NDF : 31.5/27

-37.134+/-14.766 χ^2/NDF : 31.0/29

reg_asym_sam_15_avg_rms vs Slug



Right In: 54.645+/-0.015 χ^2 /NDF: 319300.2/16

Left Out: 60.839+/-0.015 χ^2 /NDF: 79862.0/10

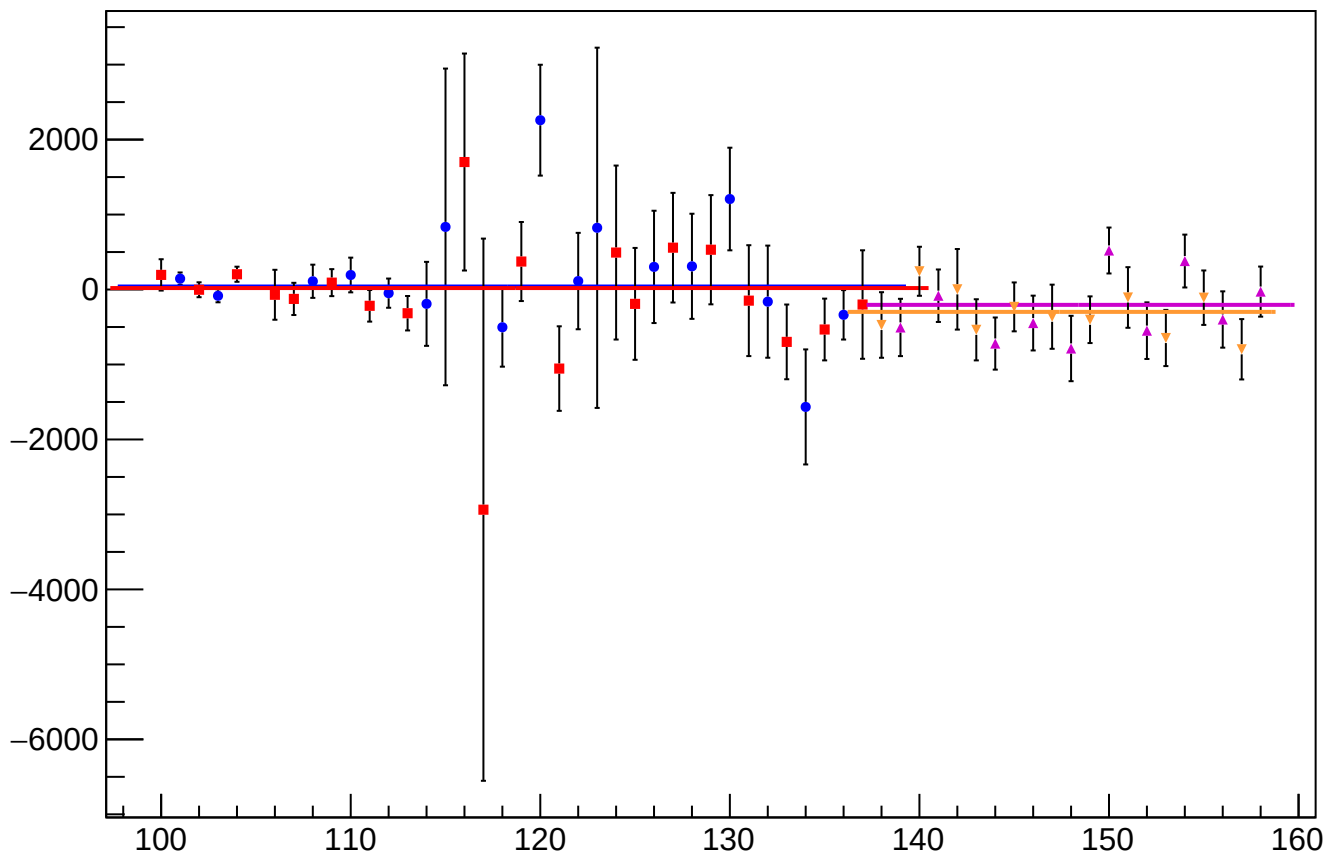
Right Out: 53.285+/-0.014 χ^2 /NDF: 398973.0/19

Left In: 61.144+/-0.015 χ^2 /NDF: 68999.2/9

57.762+/-0.011 χ^2 /NDF: 482616.0/27

57.019+/-0.010 χ^2 /NDF: 609241.9/29

asym_sam_15_avg_correction_mean vs Slug



Right In: 40.207 ± 51.542 χ^2/NDF : 23.9/16

Left Out: -298.137 ± 114.533 χ^2/NDF : 6.6/10

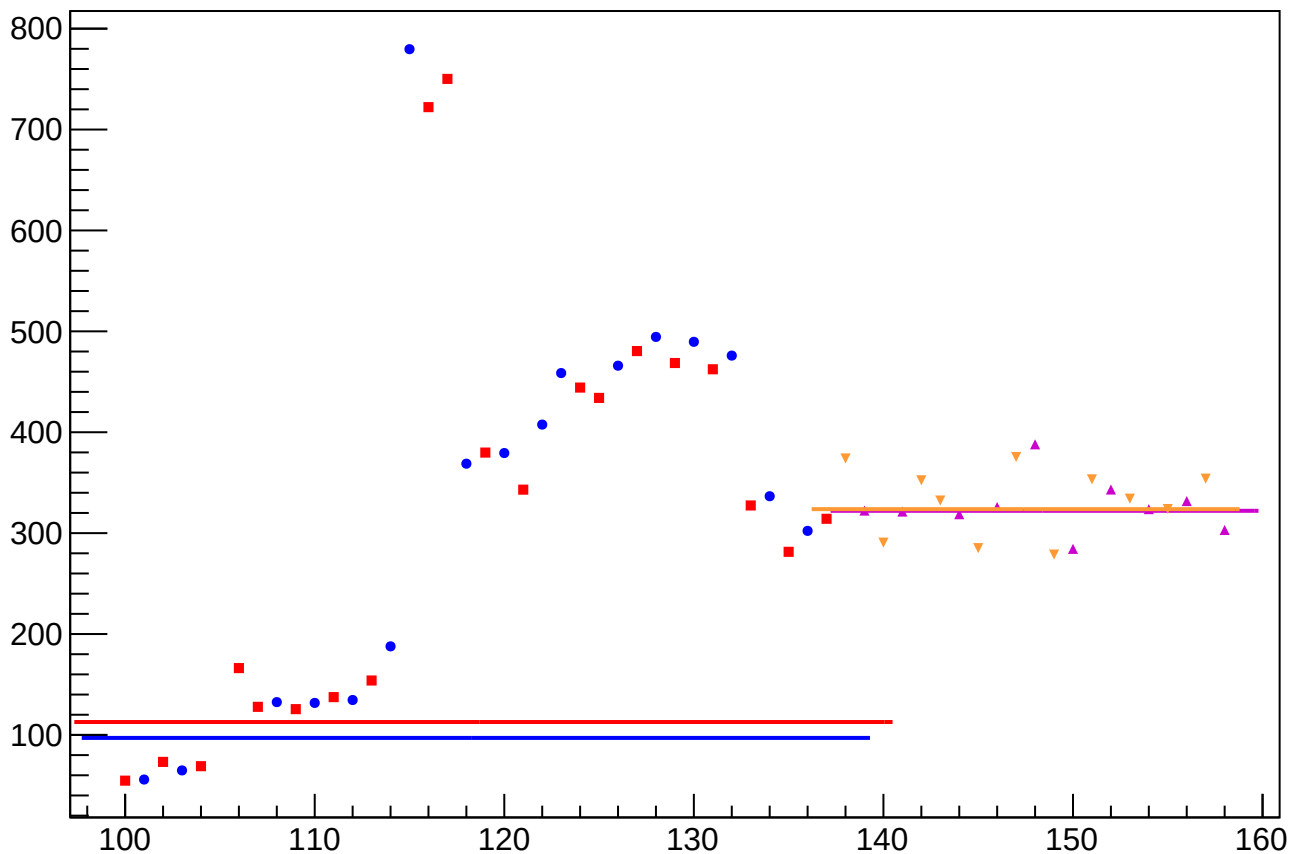
Right Out: 19.590 ± 53.268 χ^2/NDF : 19.6/19

Left In: -204.512 ± 113.380 χ^2/NDF : 14.9/9

-16.774 ± 47.002 χ^2/NDF : 37.8/27

-20.932 ± 48.212 χ^2/NDF : 37.7/29

asym_sam_15_avg_correction_rms vs Slug



Right In: 97.039+/-0.036 χ^2/NDF : 5819709.2/16

Left Out: 323.755+/-0.081 χ^2/NDF :176094.6/10

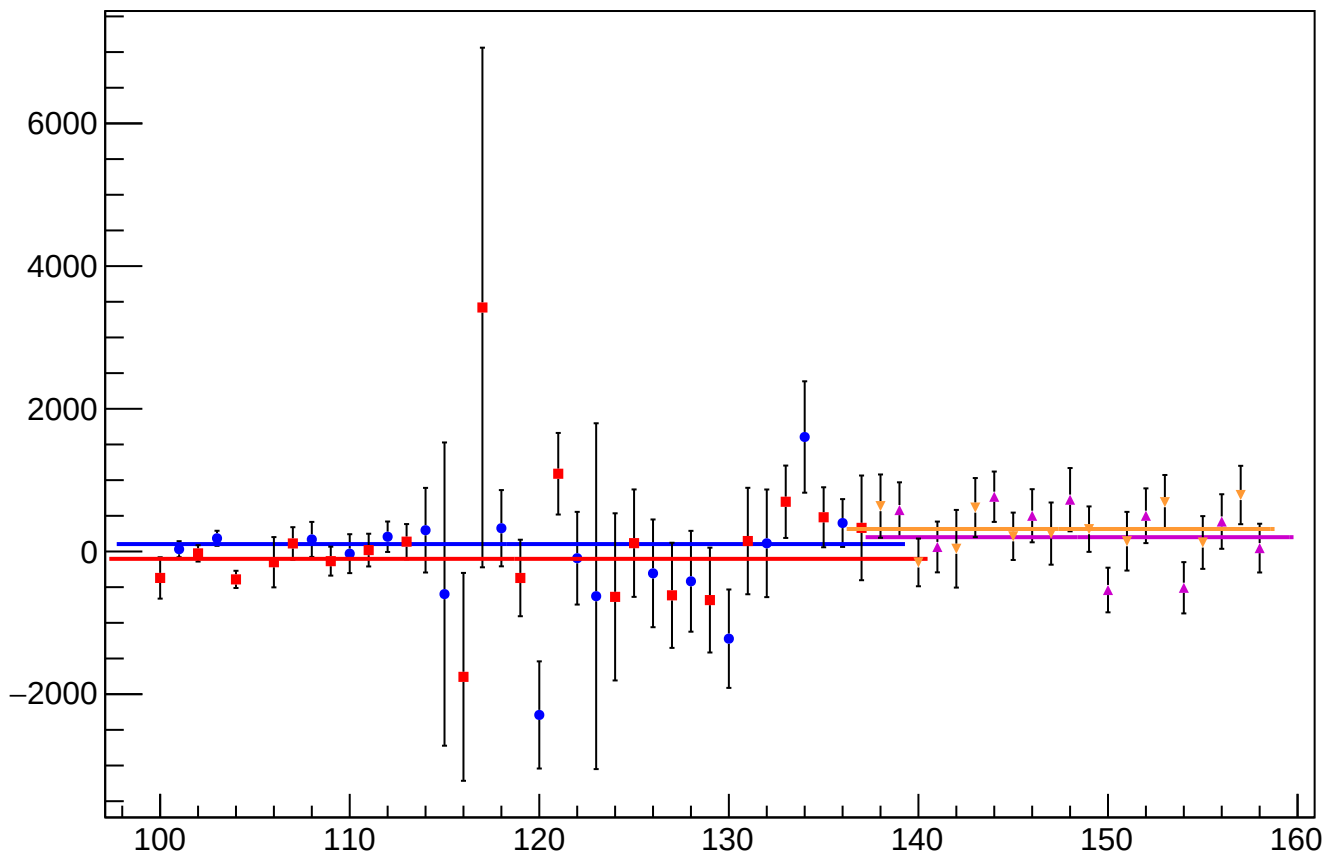
Right Out: 112.792+/-0.038 χ^2/NDF : 5098459.2/19

Left In: 322.129+/-0.080 χ^2/NDF :90447.4/9

135.221+/-0.033 χ^2/NDF : 12512714.8/27

150.644+/-0.034 χ^2/NDF : 10773996.7/29

asym_sam_15_avg_mean vs Slug



Right In: 104.001 ± 63.156 χ^2/NDF : 21.3/16

Left Out: 315.350 ± 116.610 χ^2/NDF : 6.2/10

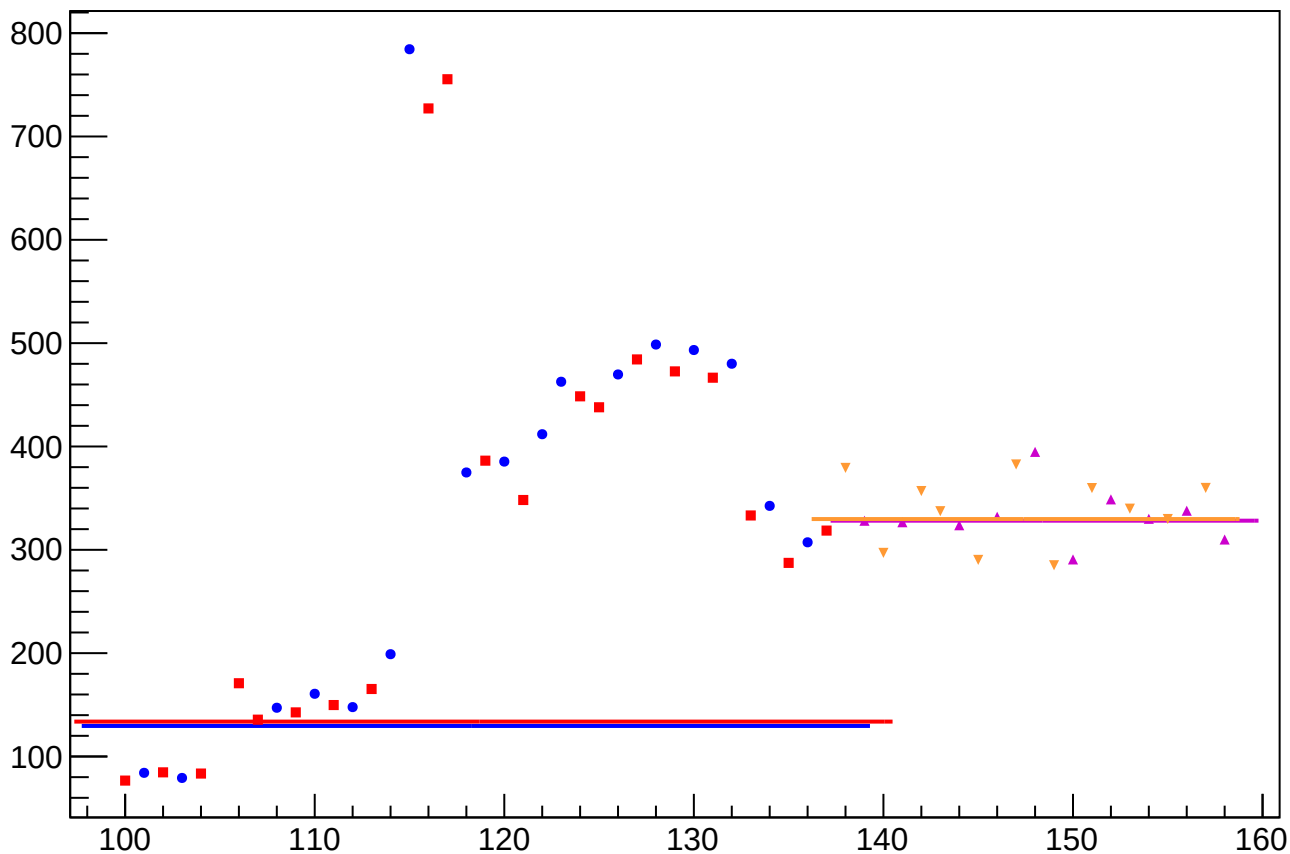
Right Out: -103.156 ± 60.849 χ^2/NDF : 22.3/19

Left In: 200.628 ± 115.476 χ^2/NDF : 16.4/9

151.936 ± 55.534 χ^2/NDF : 30.0/27

-37.138 ± 53.832 χ^2/NDF : 44.1/29

asym_sam_15_avg_rms vs Slug



Right In: 129.552+/-0.045 χ^2/NDF : 4772450.4/16

Left Out: 329.774+/-0.082 χ^2/NDF : 169794.5/10

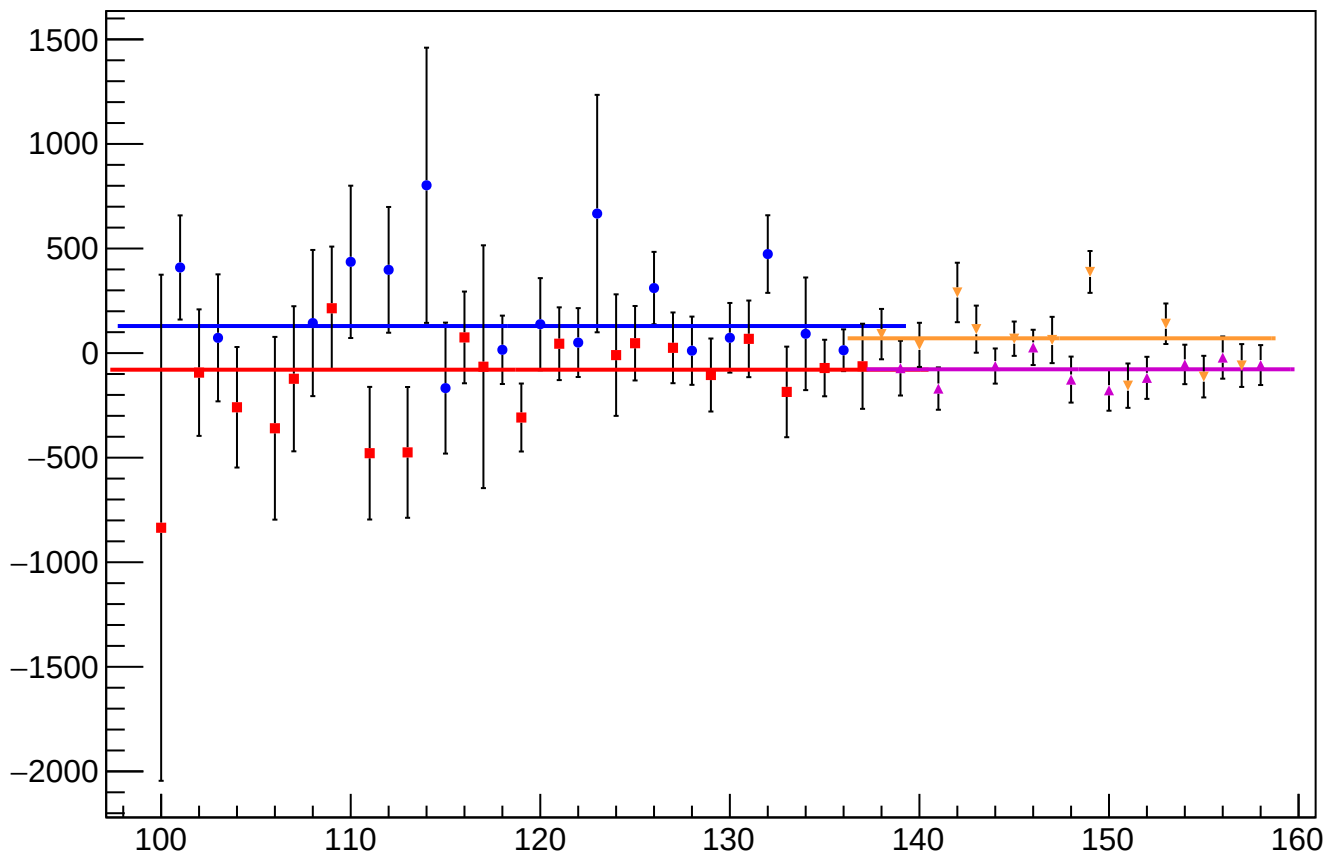
Right Out: 133.766+/-0.043 χ^2/NDF : 4424544.5/19

Left In: 328.199+/-0.082 χ^2/NDF : 87129.4/9

174.963+/-0.039 χ^2/NDF : 9501291.1/27

176.020+/-0.038 χ^2/NDF : 8949472.3/29

reg_asym_sam_26_avg_mean vs Slug



Right In: 129.398 $\pm$ 49.122 χ^2/NDF : 12.9/16

Left Out: 70.722 $\pm$ 31.479 χ^2/NDF : 22.8/10

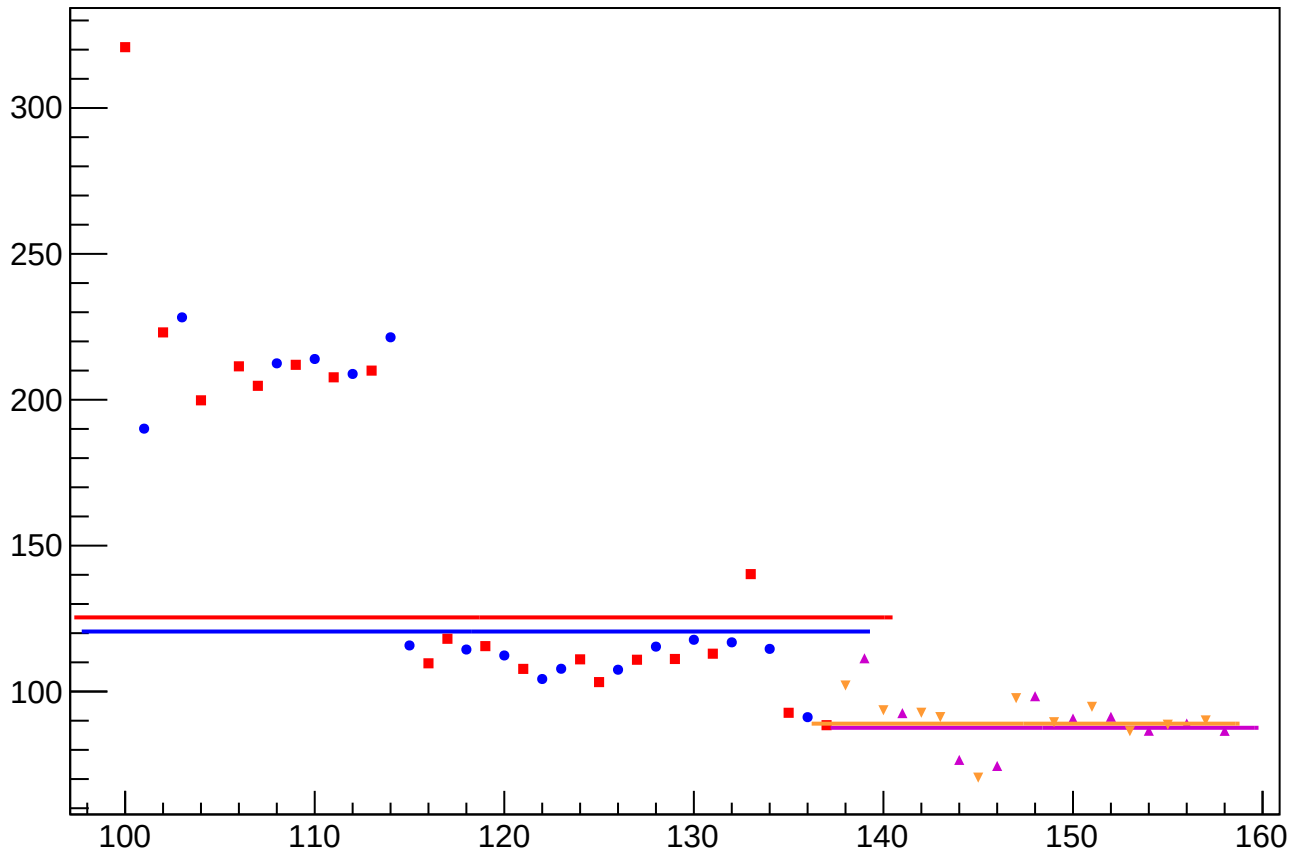
Right Out: -79.378 $\pm$ 49.703 χ^2/NDF : 10.2/19

Left In: -77.465 $\pm$ 30.942 χ^2/NDF : 4.2/9

87.804 $\pm$ 26.504 χ^2/NDF : 36.7/27

-77.999 $\pm$ 26.268 χ^2/NDF : 14.5/29

reg_asym_sam_26_avg_rms vs Slug



Right In: 120.565 $\pm$ 0.035 χ^2 /NDF: 1112076.4/16

Left Out: 88.987 $\pm$ 0.022 χ^2 /NDF:151300.8/10

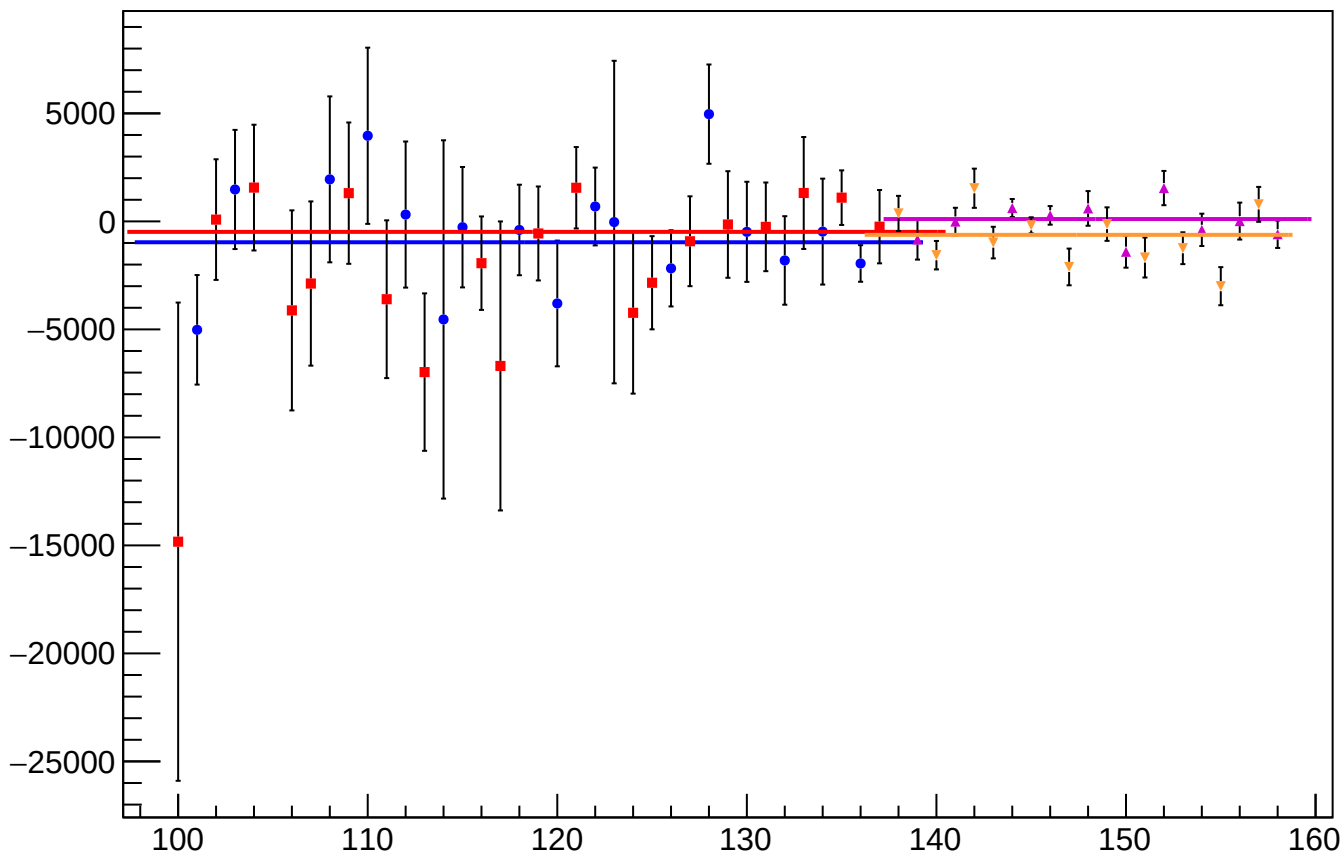
98.180 $\pm$ 0.019 χ^2 /NDF: 1849304.1/27

Right Out: 125.404 $\pm$ 0.035 χ^2 /NDF: 1334075.7/19

98.136 $\pm$ 0.019 χ^2 /NDF: 2348060.7/29

Left In: 87.568 $\pm$ 0.022 χ^2 /NDF:178696.1/9

asym_sam_26_avg_correction_mean vs Slug



Right In: -966.587 ± 512.340 χ^2/NDF : 16.4/16

Left Out: -623.315 ± 208.317 χ^2/NDF : 26.6/10

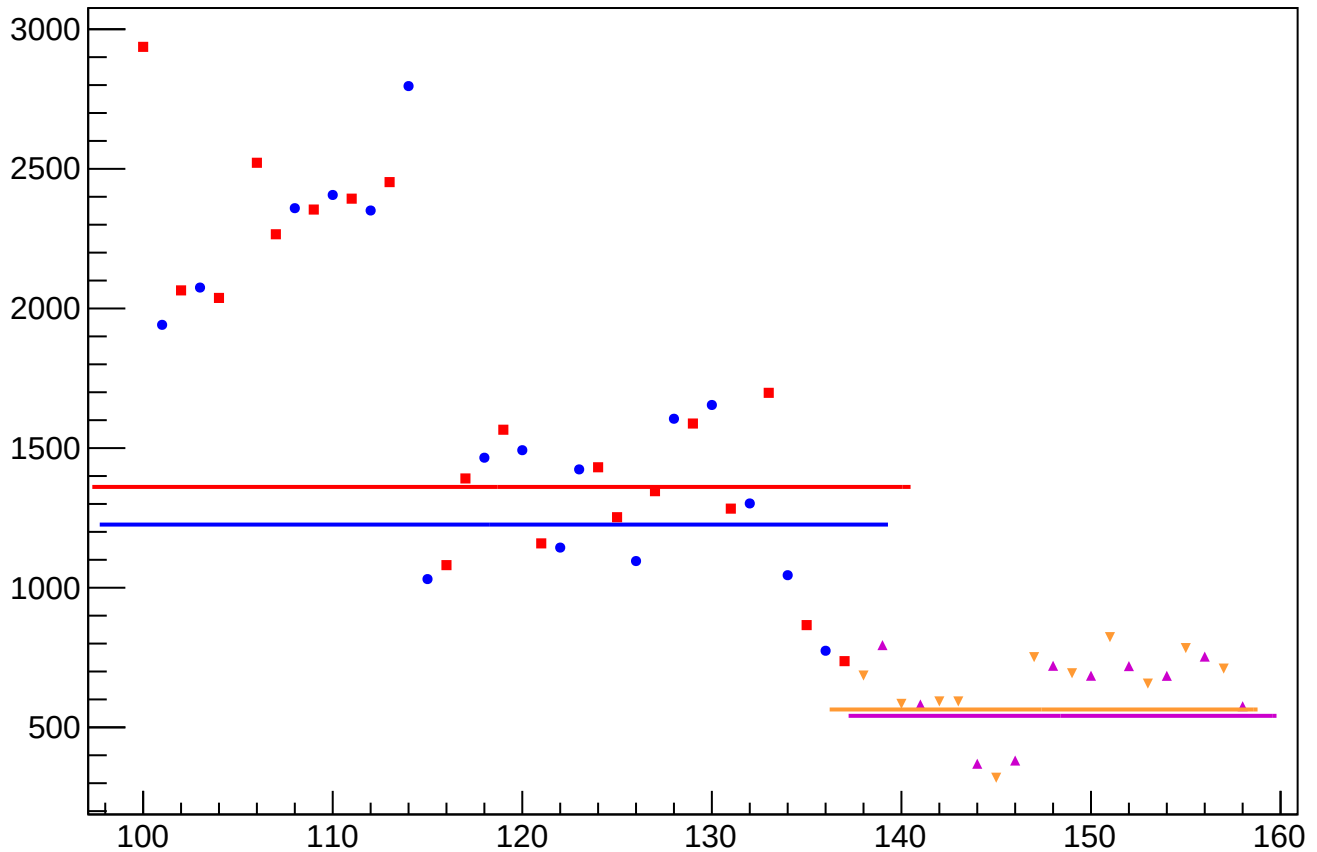
Right Out: -485.654 ± 543.567 χ^2/NDF : 14.3/19

Left In: 107.779 ± 198.548 χ^2/NDF : 12.3/9

-672.015 ± 192.975 χ^2/NDF : 43.4/27

37.922 ± 186.496 χ^2/NDF : 27.6/29

asym_sam_26_avg_correction_rms vs Slug



Right In: 1226.135+/-0.362 χ^2/NDF : 1756323.1/16

Left Out: 563.977+/-0.147 χ^2/NDF : 1451113.0/10

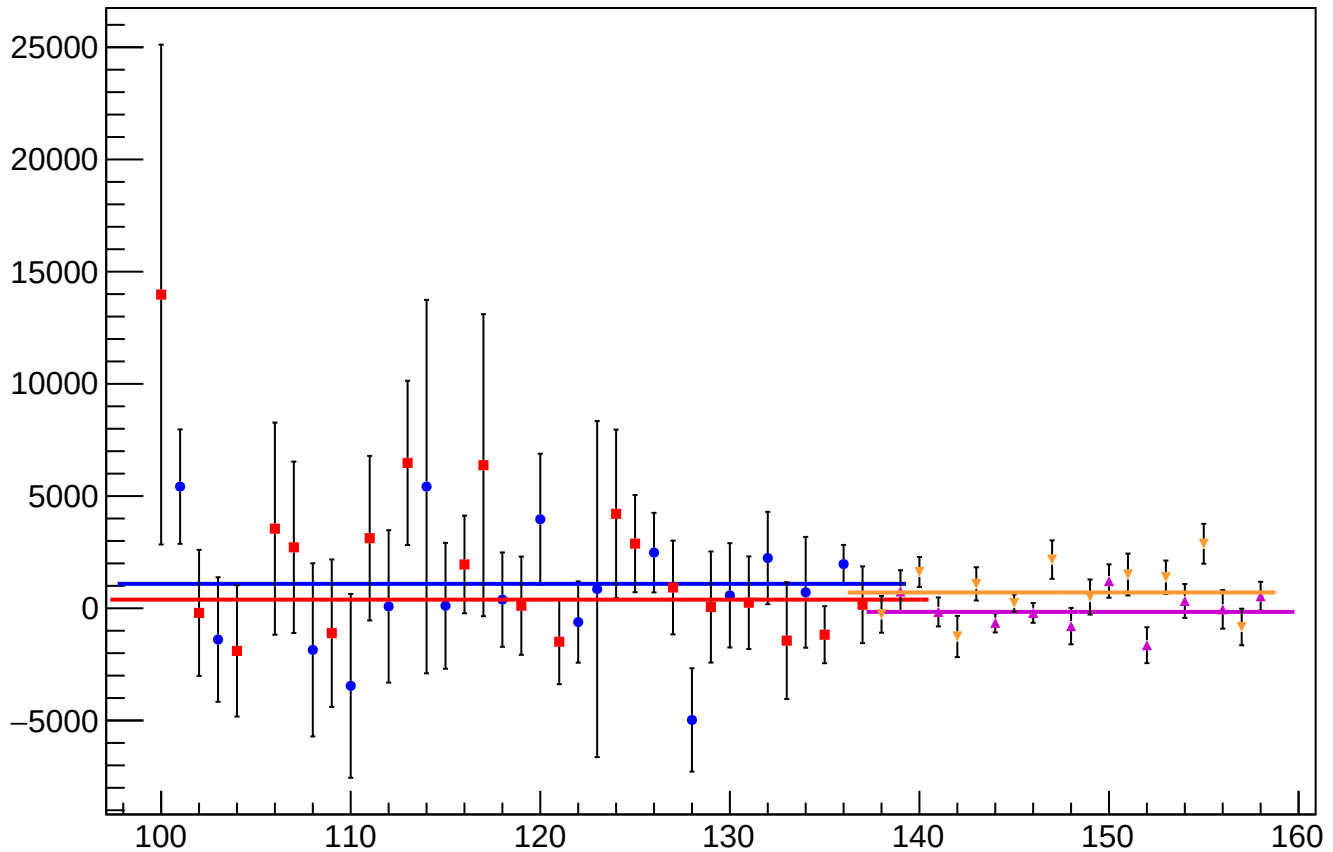
Right Out: 1360.972+/-0.384 χ^2/NDF : 1749116.2/19

Left In: 541.235+/-0.140 χ^2/NDF : 1248774.3/9

657.917+/-0.136 χ^2/NDF : 6074186.6/27

637.731+/-0.132 χ^2/NDF : 7010993.4/29

asym_sam_26_avg_mean vs Slug



Right In: 1089.066 ± 515.272 χ^2/NDF : 16.9/16

Left Out: 704.494 ± 211.426 χ^2/NDF : 23.7/10

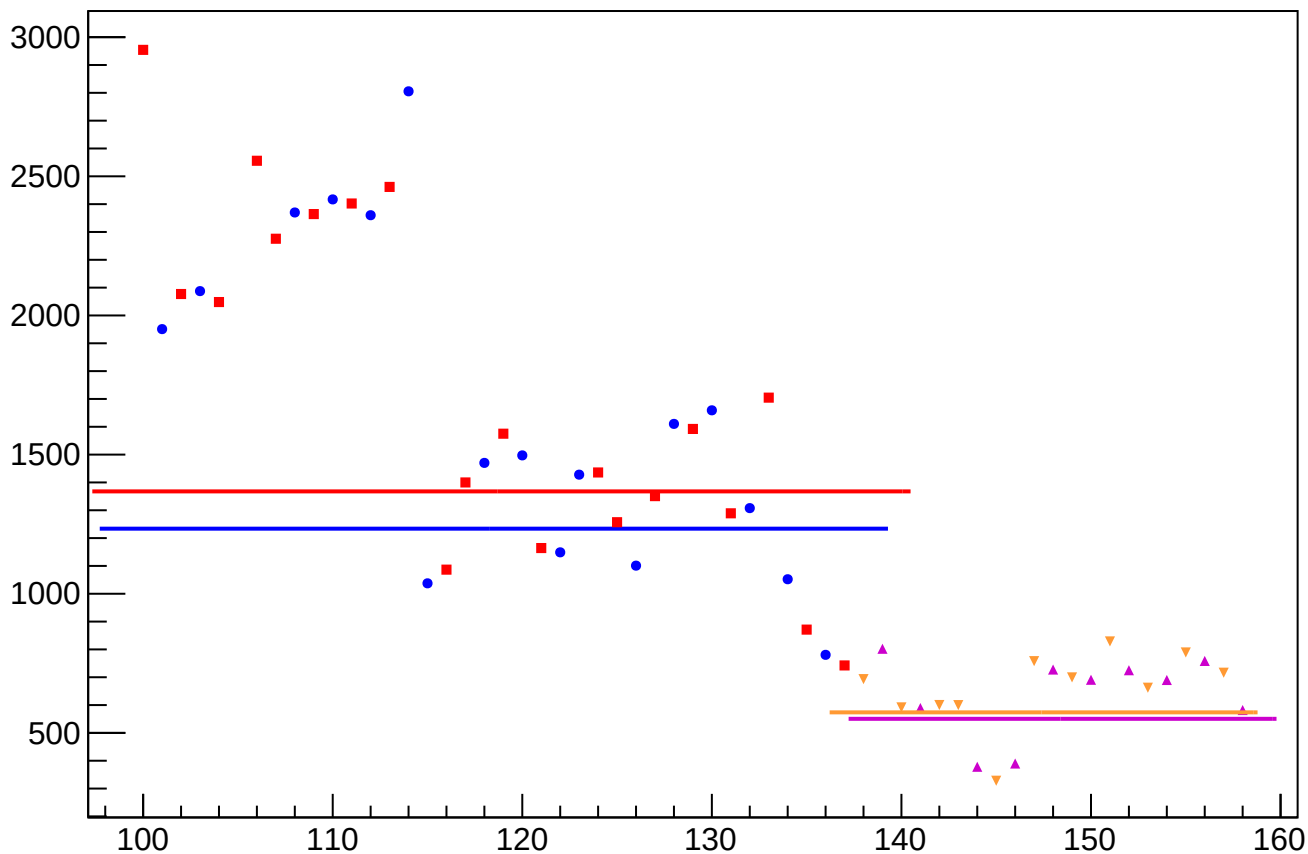
Right Out: 385.391 ± 546.382 χ^2/NDF : 13.3/19

Left In: -160.431 ± 201.578 χ^2/NDF : 11.3/9

759.911 ± 195.600 χ^2/NDF : 41.1/27

-95.039 ± 189.118 χ^2/NDF : 25.5/29

asym_sam_26_avg_rms vs Slug



Right In: 1233.863 ± 0.364 χ^2/NDF : 1744048.5/16

Left Out: 573.806 ± 0.150 χ^2/NDF : 1380929.0/10

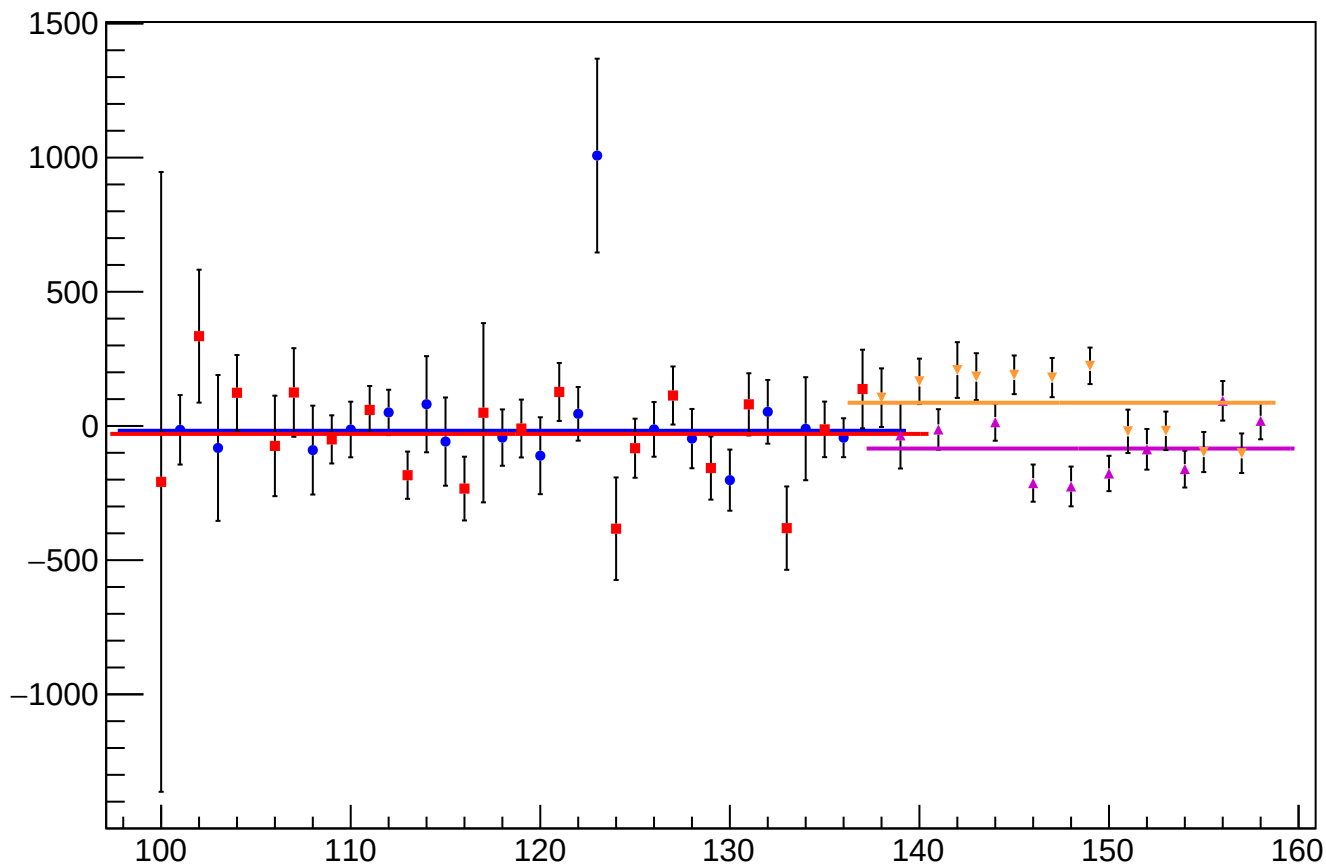
Right Out: 1367.823 ± 0.386 χ^2/NDF : 1744640.3/19

Left In: 550.585 ± 0.143 χ^2/NDF : 1194497.5/9

668.921 ± 0.138 χ^2/NDF : 5933912.5/27

648.494 ± 0.134 χ^2/NDF : 6877480.6/29

reg_asym_sam_37_avg_mean vs Slug



Right In: -17.972 $\pm$ 28.848 χ^2 /NDF: 13.4/16

Left Out: 86.513 $\pm$ 23.876 χ^2 /NDF: 27.8/10

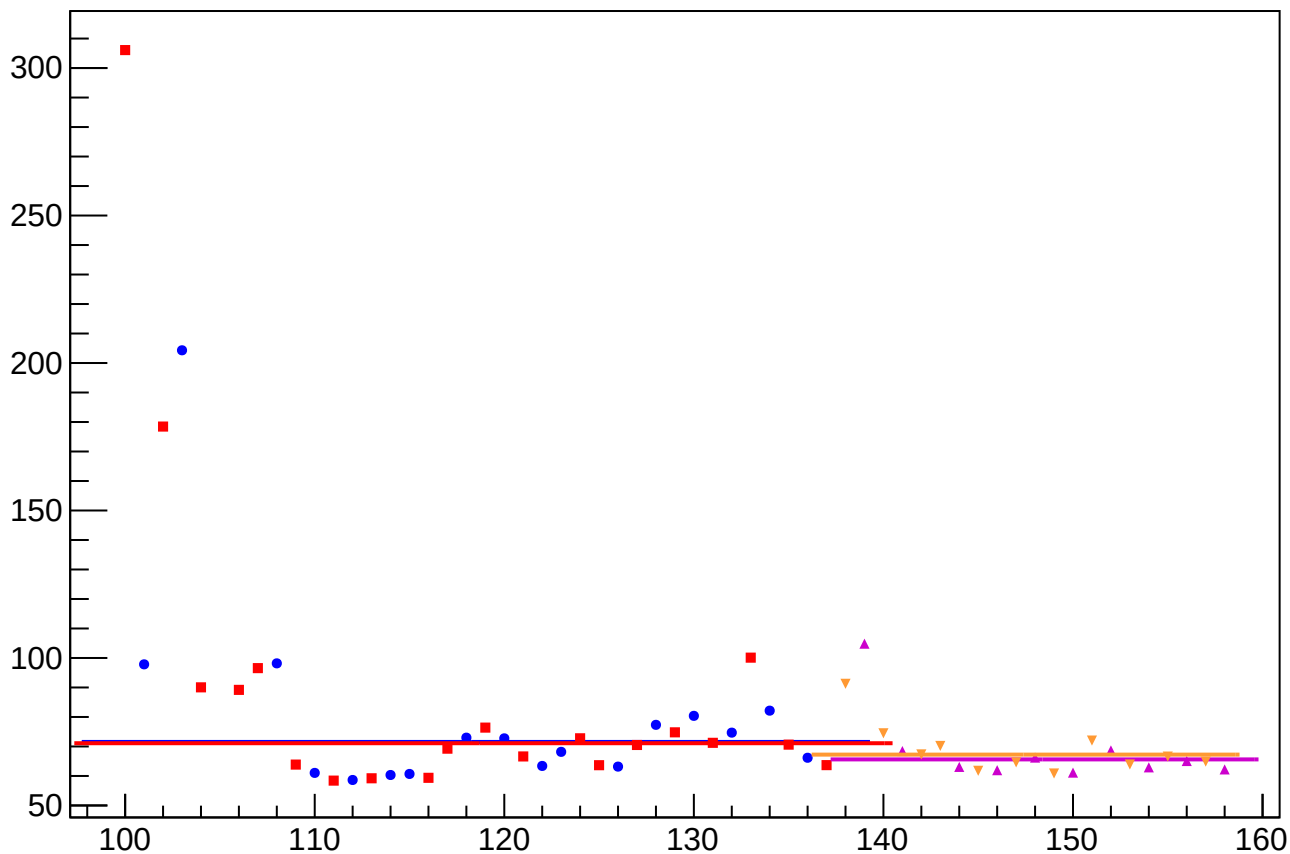
Right Out: -29.517 $\pm$ 27.879 χ^2 /NDF: 27.5/19

Left In: -84.106 $\pm$ 23.226 χ^2 /NDF: 21.5/9

44.035 $\pm$ 18.394 χ^2 /NDF: 49.0/27

-61.741 $\pm$ 17.845 χ^2 /NDF: 51.2/29

reg_asym_sam_37_avg_rms vs Slug



Right In: 71.536+/-0.020 χ^2/NDF : 758961.6/16

Left Out: 67.240+/-0.017 χ^2/NDF :158744.2/10

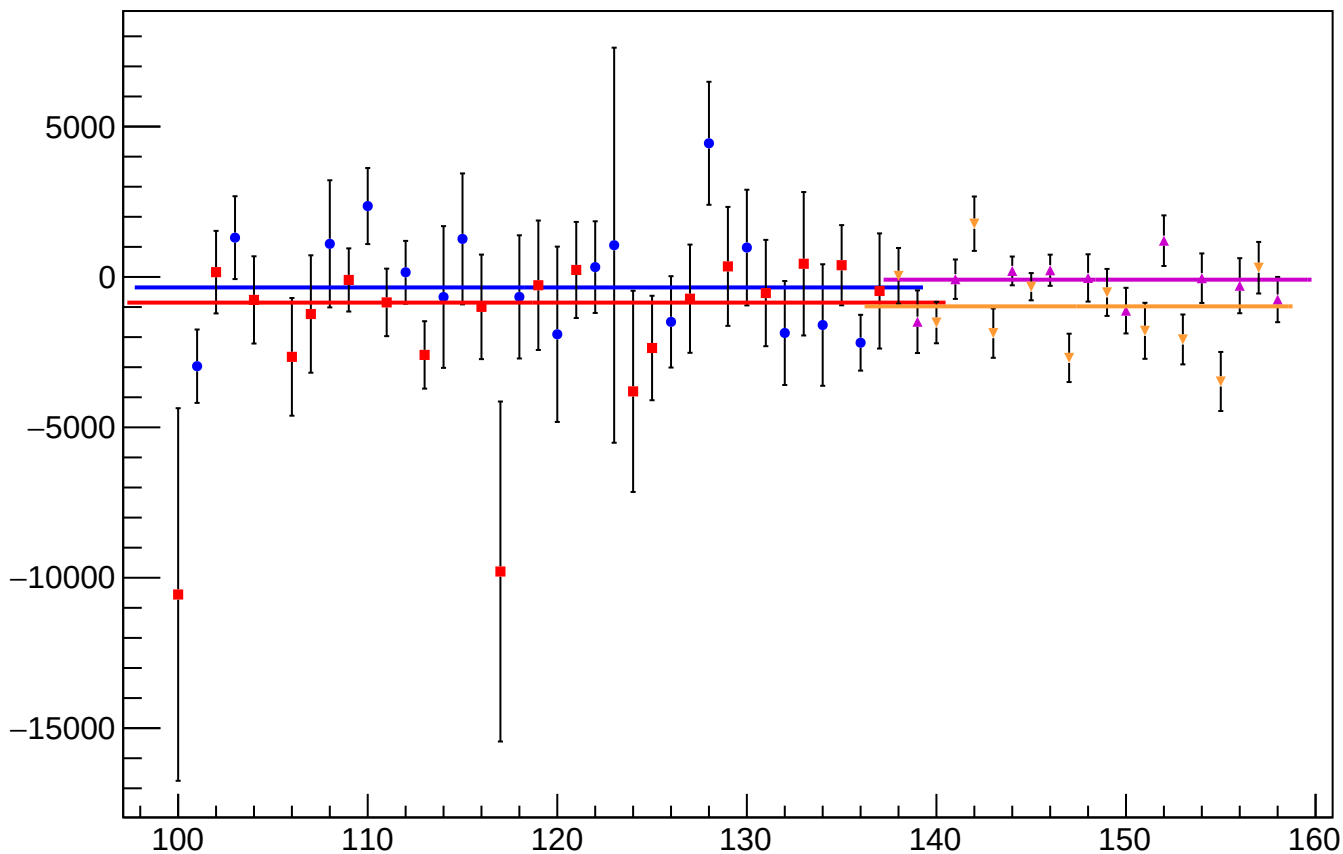
Right Out: 71.102+/-0.020 χ^2/NDF : 765220.8/19

Left In: 65.614+/-0.016 χ^2/NDF :233721.8/9

68.987+/-0.013 χ^2/NDF : 944024.2/27

67.863+/-0.013 χ^2/NDF : 1044686.8/29

asym_sam_37_avg_correction_mean vs Slug



Right In: -347.939 ± 381.994 χ^2/NDF : 24.1/16

Left Out: -977.341 ± 229.115 χ^2/NDF : 30.4/10

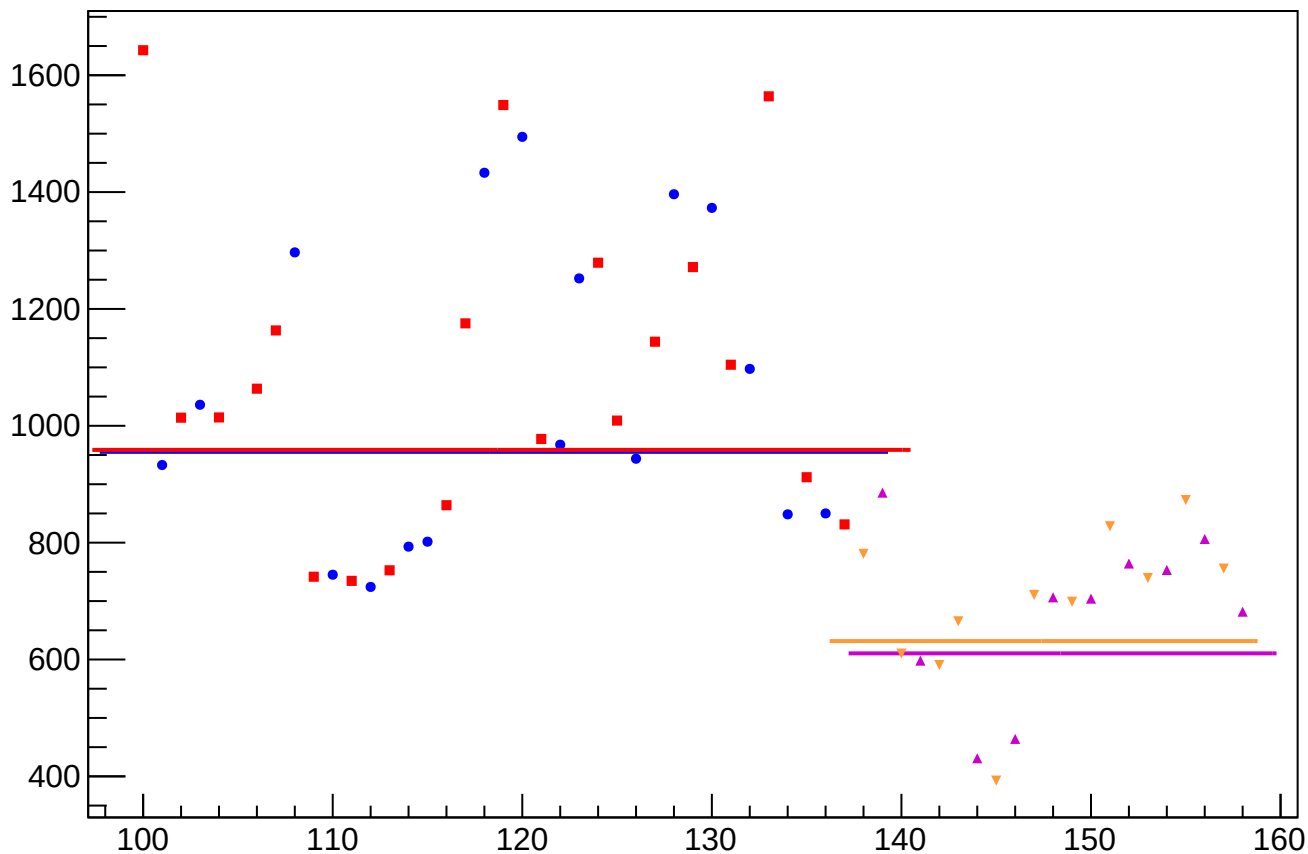
Right Out: -852.433 ± 369.018 χ^2/NDF : 13.0/19

Left In: -90.742 ± 220.543 χ^2/NDF : 7.6/9

-810.822 ± 196.483 χ^2/NDF : 56.5/27

-291.203 ± 189.310 χ^2/NDF : 23.7/29

asym_sam_37_avg_correction_rms vs Slug



Right In: 955.425+/-0.270 χ^2/NDF : 646512.4/16

Left Out: 631.538+/-0.162 χ^2/NDF : 937406.2/10

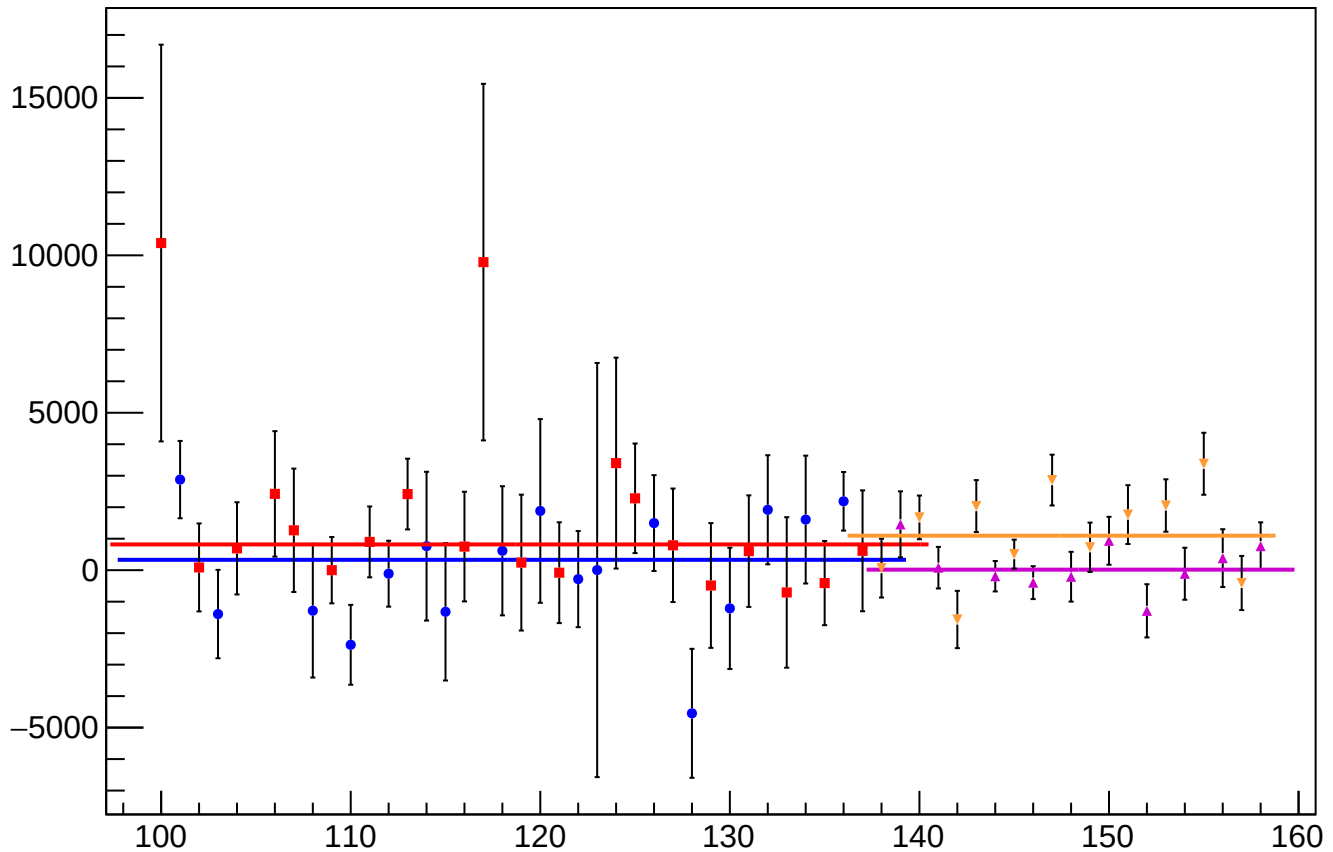
Right Out: 958.776+/-0.261 χ^2/NDF : 696031.2/19

Left In: 610.498+/-0.156 χ^2/NDF : 878491.8/9

717.228+/-0.139 χ^2/NDF : 2641338.6/27

702.157+/-0.134 χ^2/NDF : 2887175.4/29

asym_sam_37_avg_mean vs Slug



Right In: 329.164 $\pm$ 383.728 χ^2 /NDF: 24.3/16

Left Out: 1095.595 $\pm$ 230.749 χ^2 /NDF:28.7/10

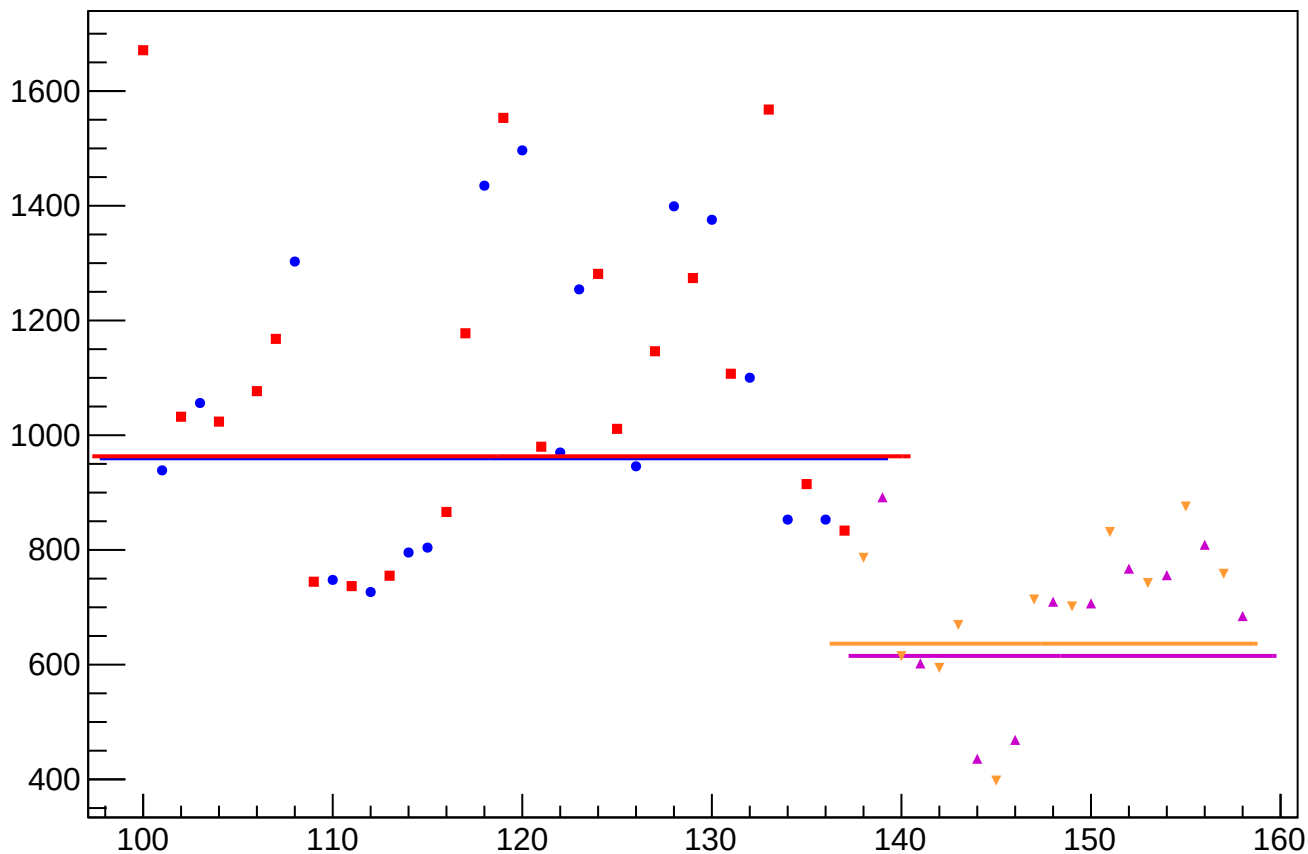
Right Out: 818.253 $\pm$ 370.875 χ^2 /NDF: 11.8/19

Left In: 16.636 $\pm$ 222.094 χ^2 /NDF:7.8/9

892.053 $\pm$ 197.749 χ^2 /NDF: 55.9/27

228.224 $\pm$ 190.541 χ^2 /NDF: 23.1/29

asym_sam_37_avg_rms vs Slug



Right In: 959.770+/-0.271 χ^2/NDF : 646727.9/16

Left Out: 636.572+/-0.163 χ^2/NDF : 911068.5/10

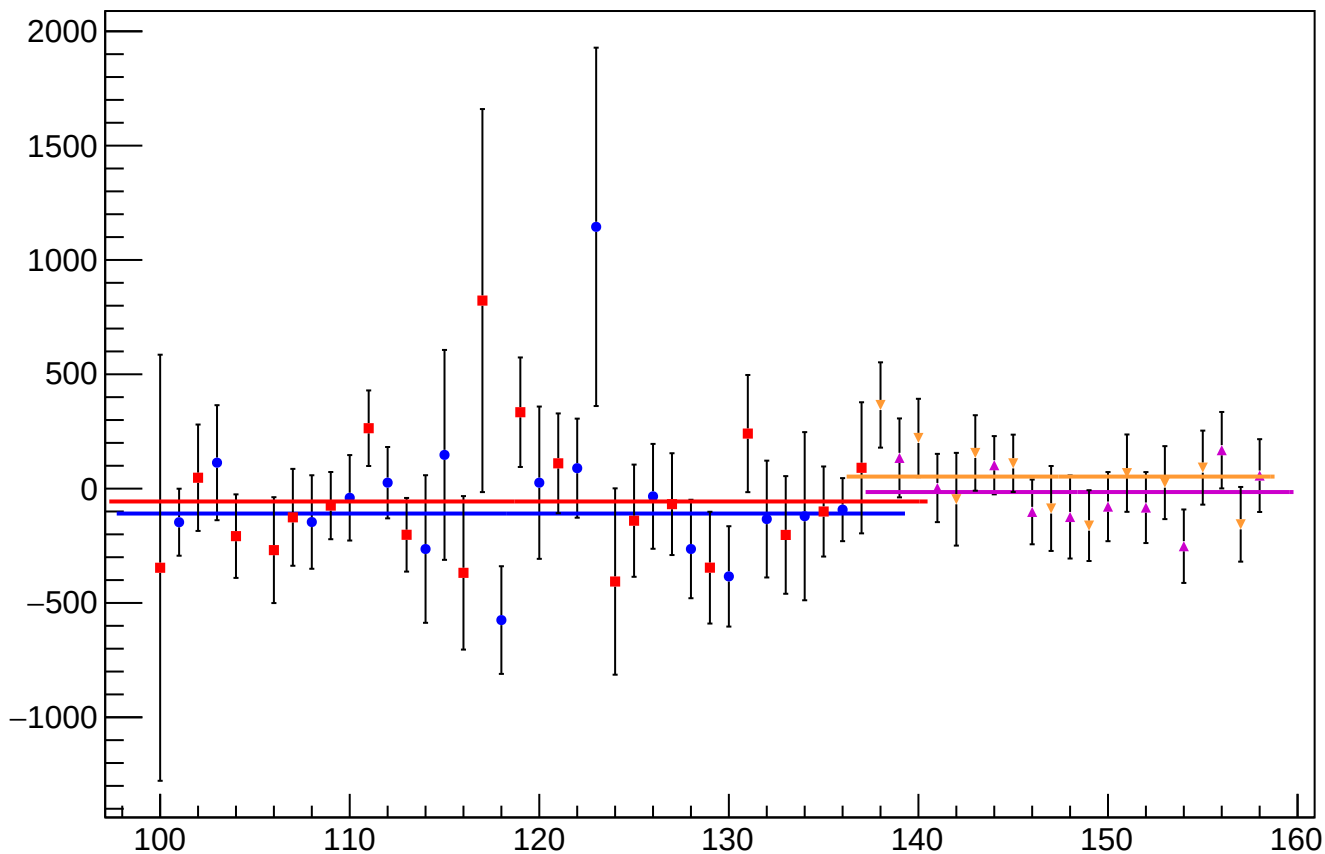
Right Out: 963.238+/-0.262 χ^2/NDF : 698638.3/19

Left In: 615.236+/-0.157 χ^2/NDF : 857795.1/9

722.405+/-0.140 χ^2/NDF : 2599801.9/27

707.092+/-0.135 χ^2/NDF : 2852551.1/29

reg_asym_sam_48_avg_mean vs Slug



Right In: -108.977 ± 52.923 χ^2/NDF : 12.0/16

Left Out: 52.637 ± 49.511 χ^2/NDF : 8.8/10

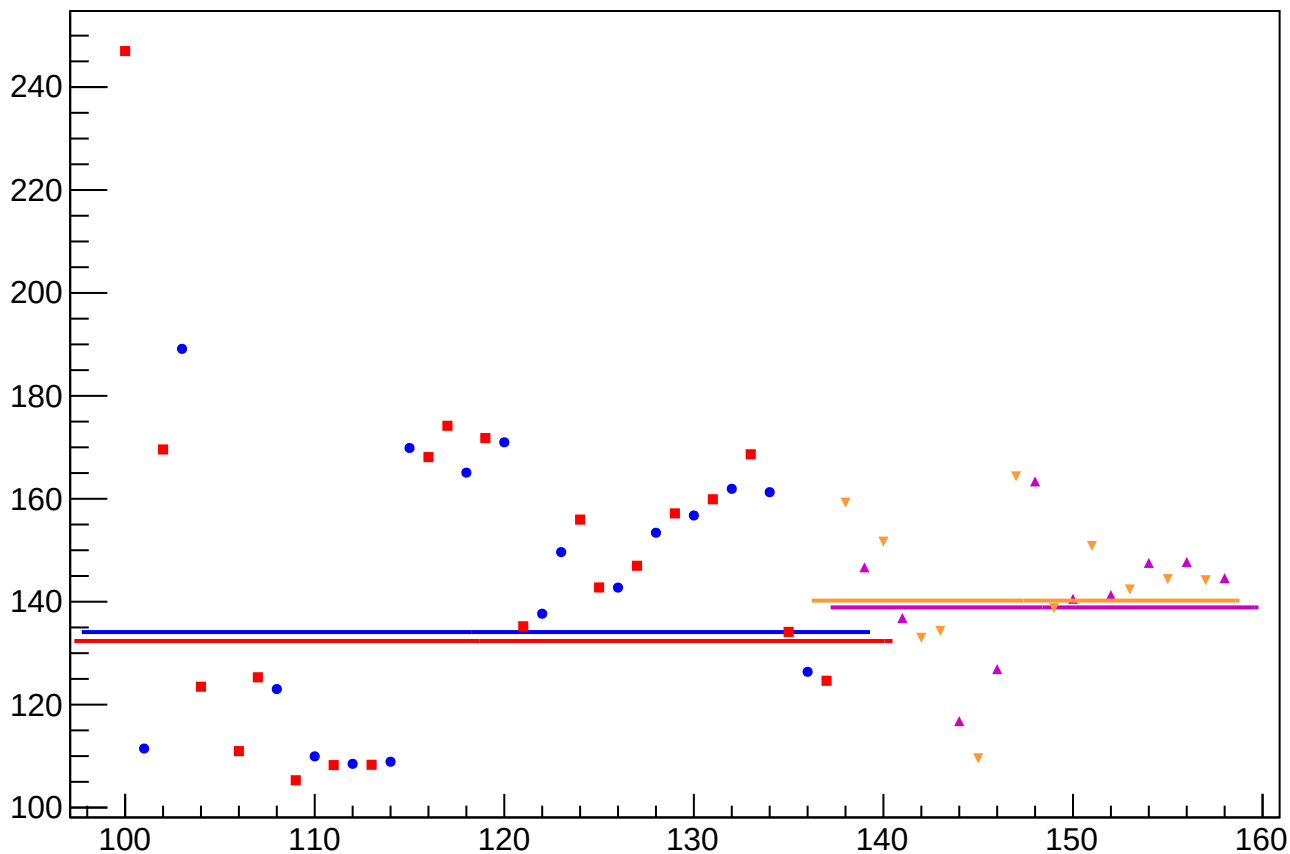
Right Out: -56.241 ± 50.729 χ^2/NDF : 16.0/19

Left In: -14.960 ± 48.823 χ^2/NDF : 6.3/9

-22.794 ± 36.156 χ^2/NDF : 25.8/27

-34.811 ± 35.178 χ^2/NDF : 22.6/29

reg_asym_sam_48_avg_rms vs Slug



Right In: 134.103 ± 0.037 χ^2/NDF : 402581.2/16

Left Out: 140.217 ± 0.035 χ^2/NDF : 198875.5/10

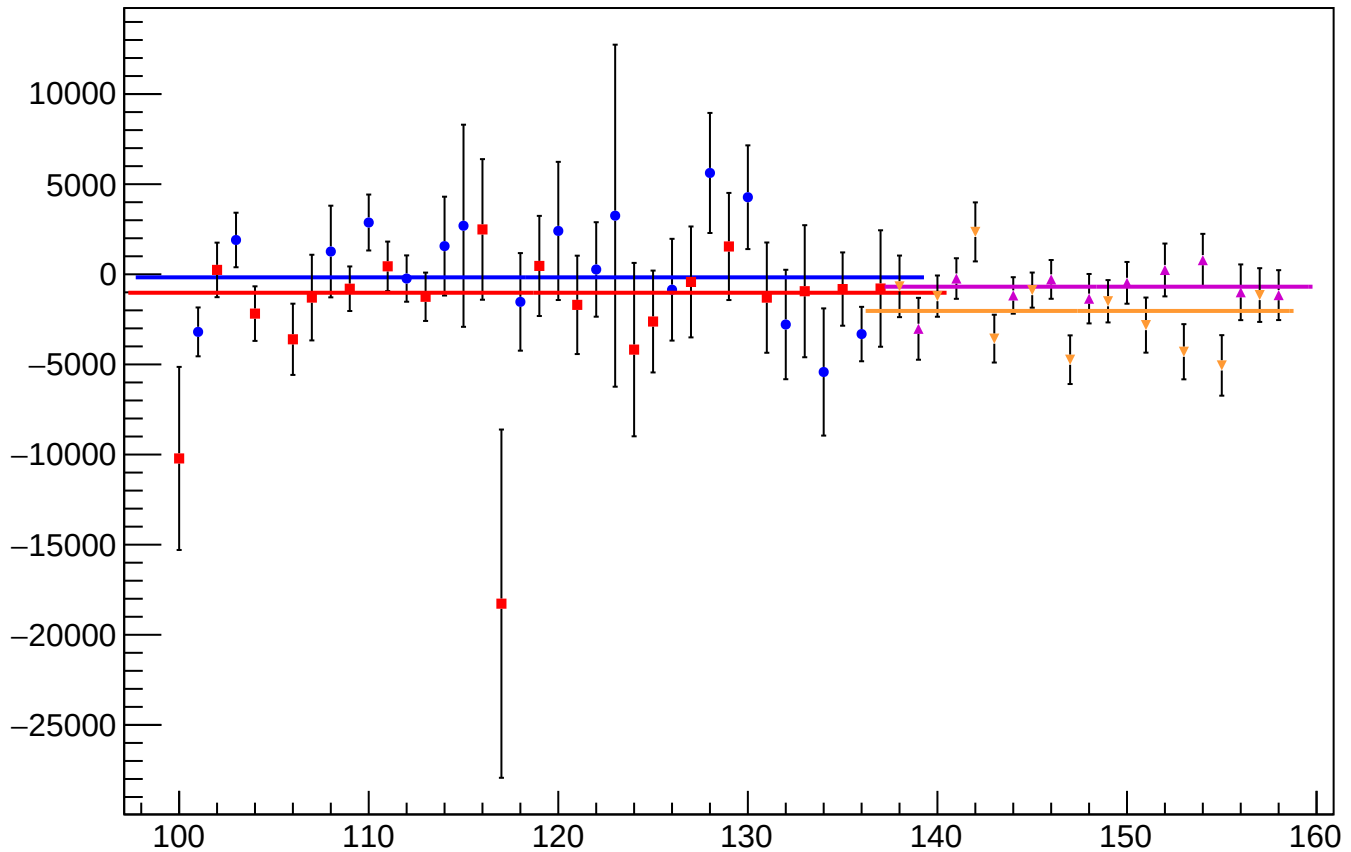
Right Out: 132.373 ± 0.036 χ^2/NDF : 446741.9/19

Left In: 138.895 ± 0.035 χ^2/NDF : 129895.6/9

137.363 ± 0.026 χ^2/NDF : 615689.5/27

135.759 ± 0.025 χ^2/NDF : 593799.7/29

asym_sam_48_avg_correction_mean vs Slug



Right In: -168.237 ± 523.672 χ^2/NDF : 25.3/16

Left Out: -2032.293 ± 407.113 χ^2/NDF : 21.3/10

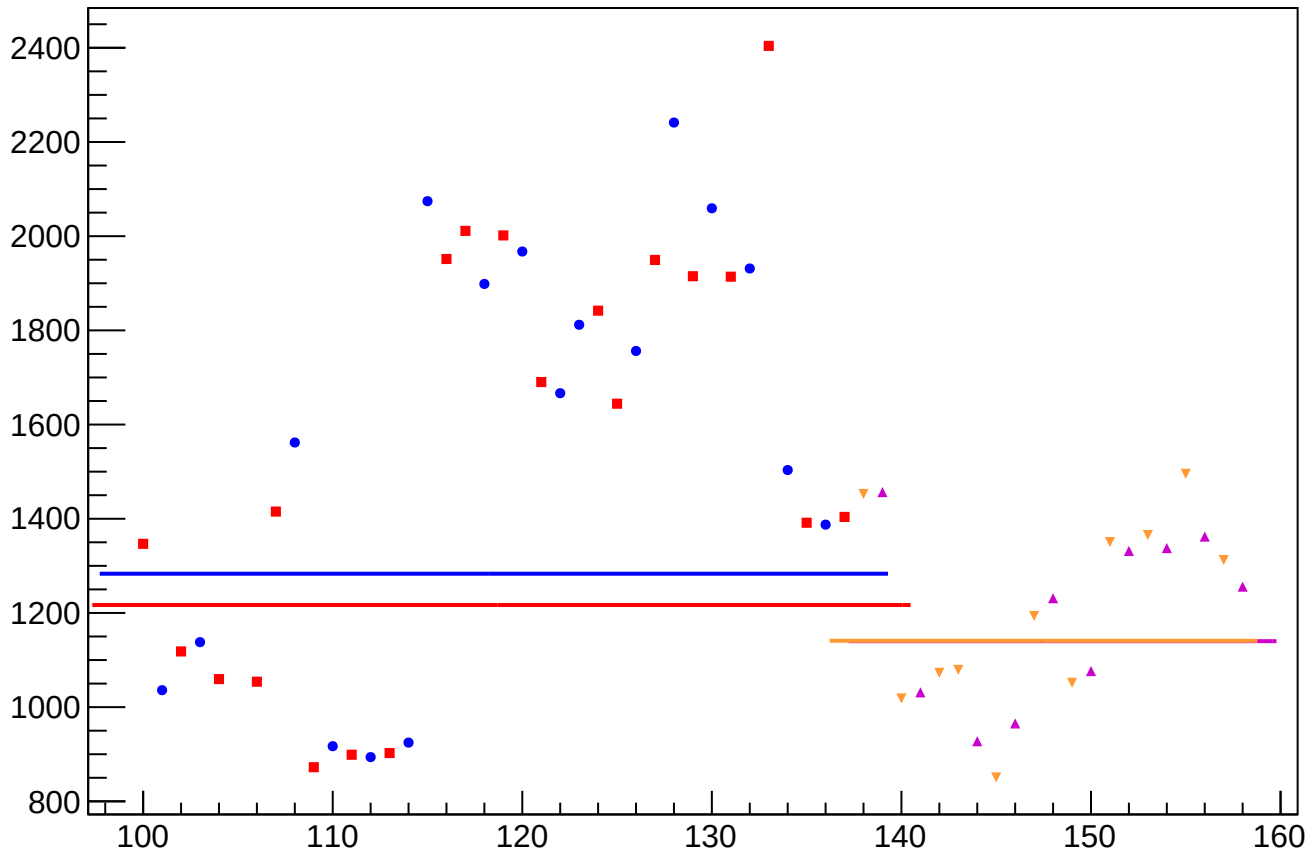
Right Out: -1023.271 ± 480.373 χ^2/NDF : 13.4/19

Left In: -687.882 ± 404.175 χ^2/NDF : 4.2/9

-1330.091 ± 321.411 χ^2/NDF : 54.6/27

-826.898 ± 309.269 χ^2/NDF : 17.9/29

asym_sam_48_avg_correction_rms vs Slug



Right In: 1283.318+/-0.370 χ^2/NDF : 1169431.5/16

Left Out: 1140.905+/-0.288 χ^2/NDF : 485553.6/10

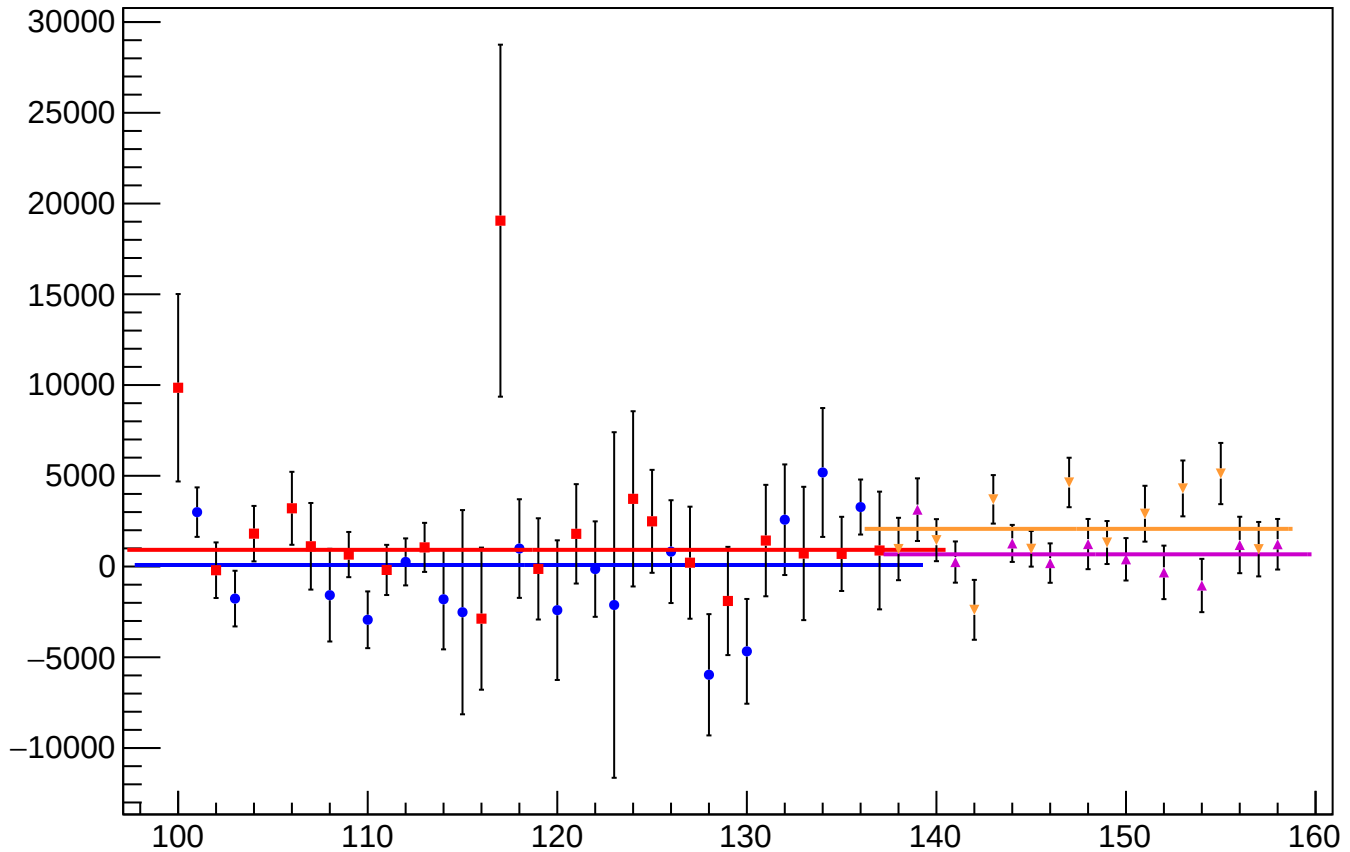
1194.553+/-0.227 χ^2/NDF : 1747178.7/27

Right Out: 1216.852+/-0.340 χ^2/NDF : 1374416.0/19

1171.897+/-0.219 χ^2/NDF : 1772820.2/29

Left In: 1140.073+/-0.286 χ^2/NDF : 368489.5/9

asym_sam_48_avg_mean vs Slug



Right In: 85.077+/-527.082 χ^2/NDF : 24.7/16

Left Out: 2075.784+/-410.359 χ^2/NDF : 20.9/10

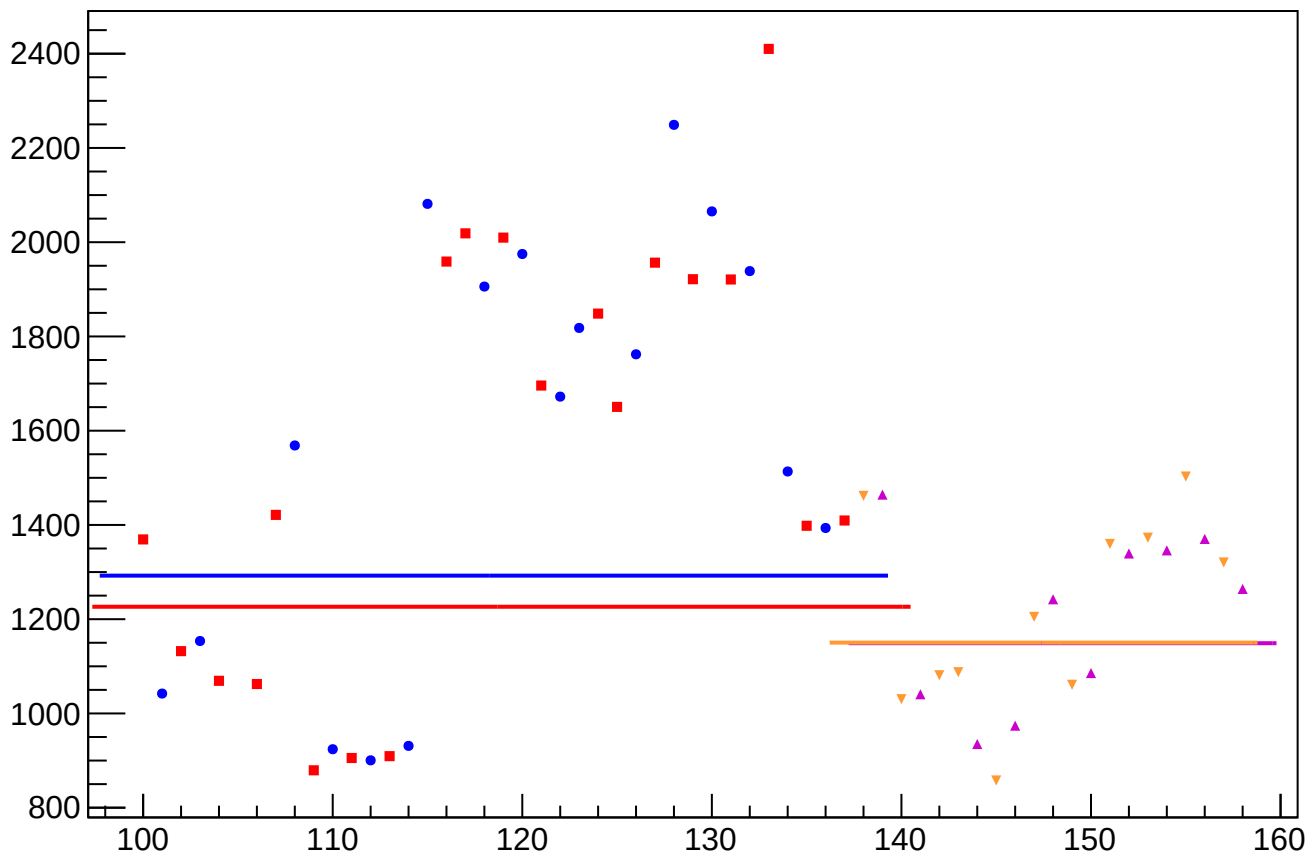
Right Out: 919.892+/-484.043 χ^2/NDF : 12.2/19

Left In: 673.102+/-407.274 χ^2/NDF : 5.0/9

1324.516+/-323.797 χ^2/NDF : 54.5/27

775.398+/-311.637 χ^2/NDF : 17.4/29

asym_sam_48_avg_rms vs Slug



Right In: 1292.426+/-0.373 χ^2/NDF : 1156576.0/16

Left Out: 1150.311+/-0.290 χ^2/NDF : 478877.0/10

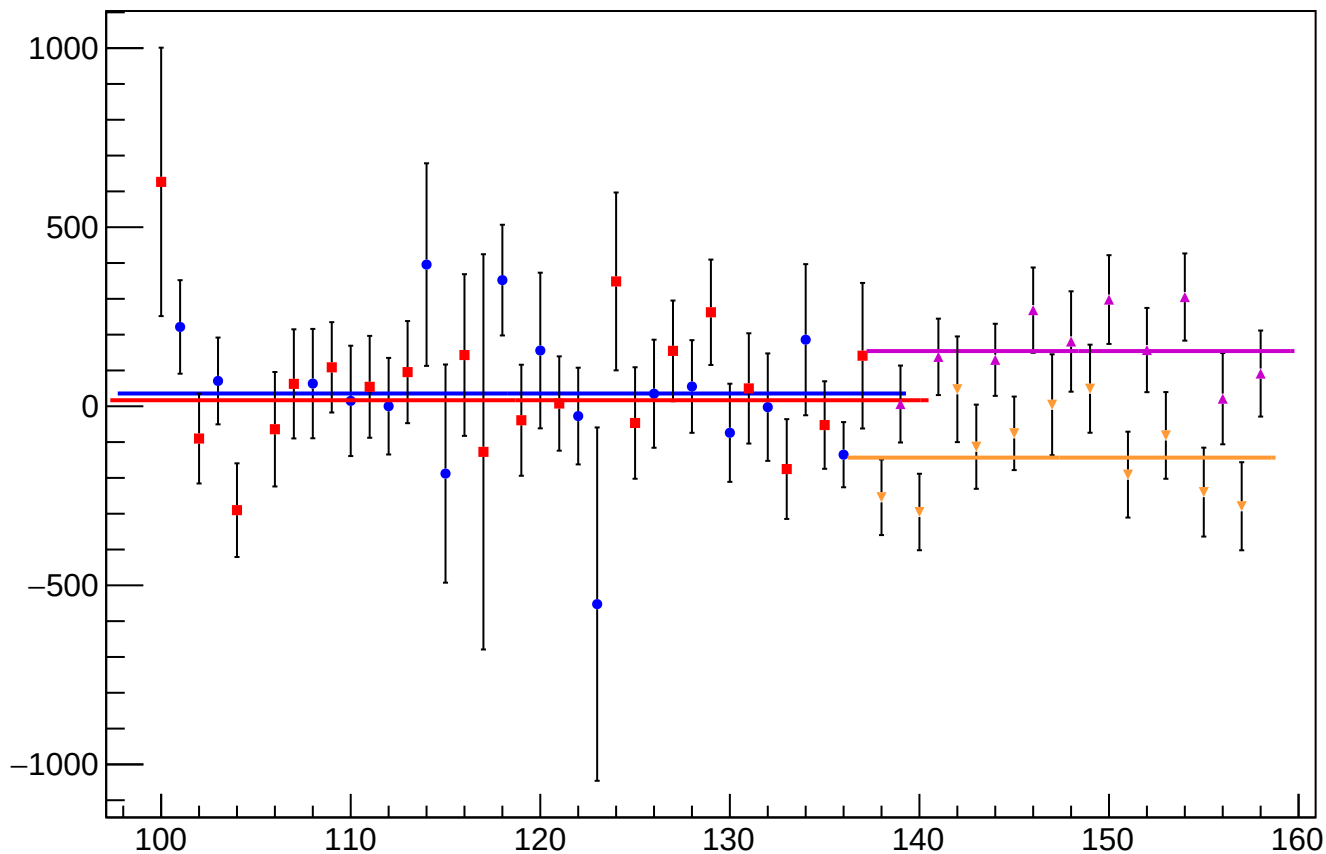
Right Out: 1226.408+/-0.342 χ^2/NDF : 1359134.9/19

Left In: 1149.051+/-0.288 χ^2/NDF : 363411.5/9

1203.944+/-0.229 χ^2/NDF : 1725977.4/27

1181.116+/-0.220 χ^2/NDF : 1752454.7/29

reg_asym_sam_15_dd_mean vs Slug



Right In: 35.679 ± 36.350 $\chi^2/\text{NDF}: 15.3/16$

Left Out: -143.382 ± 35.897 $\chi^2/\text{NDF}: 11.1/10$

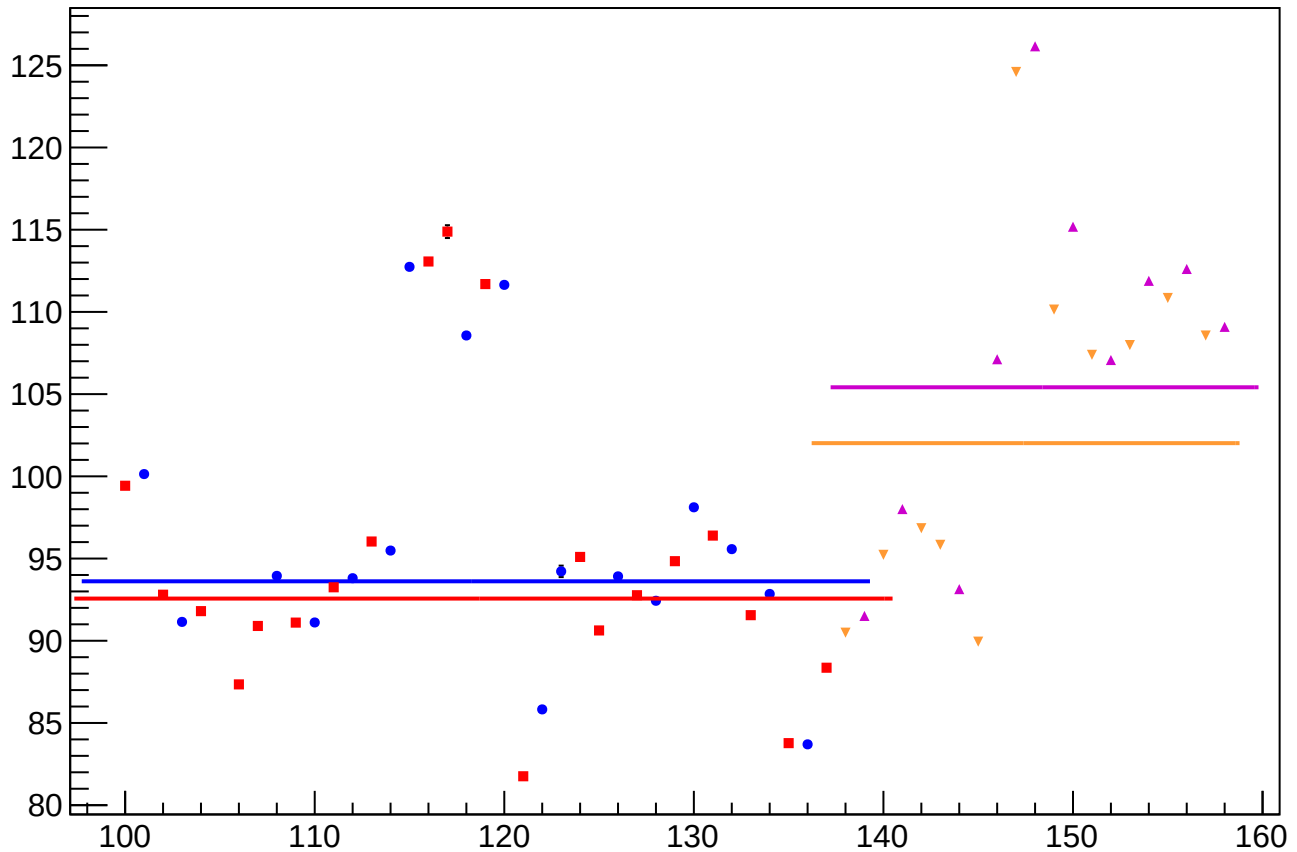
Right Out: 16.849 ± 34.623 $\chi^2/\text{NDF}: 19.0/19$

Left In: 154.138 ± 37.001 $\chi^2/\text{NDF}: 7.2/9$

-54.976 ± 25.542 $\chi^2/\text{NDF}: 38.7/27$

80.940 ± 25.281 $\chi^2/\text{NDF}: 33.5/29$

reg_asym_sam_15_dd_rms vs Slug



Right In: 93.616+/-0.026 χ^2/NDF : 79928.5/16

Left Out: 102.019+/-0.025 χ^2/NDF : 152332.2/10

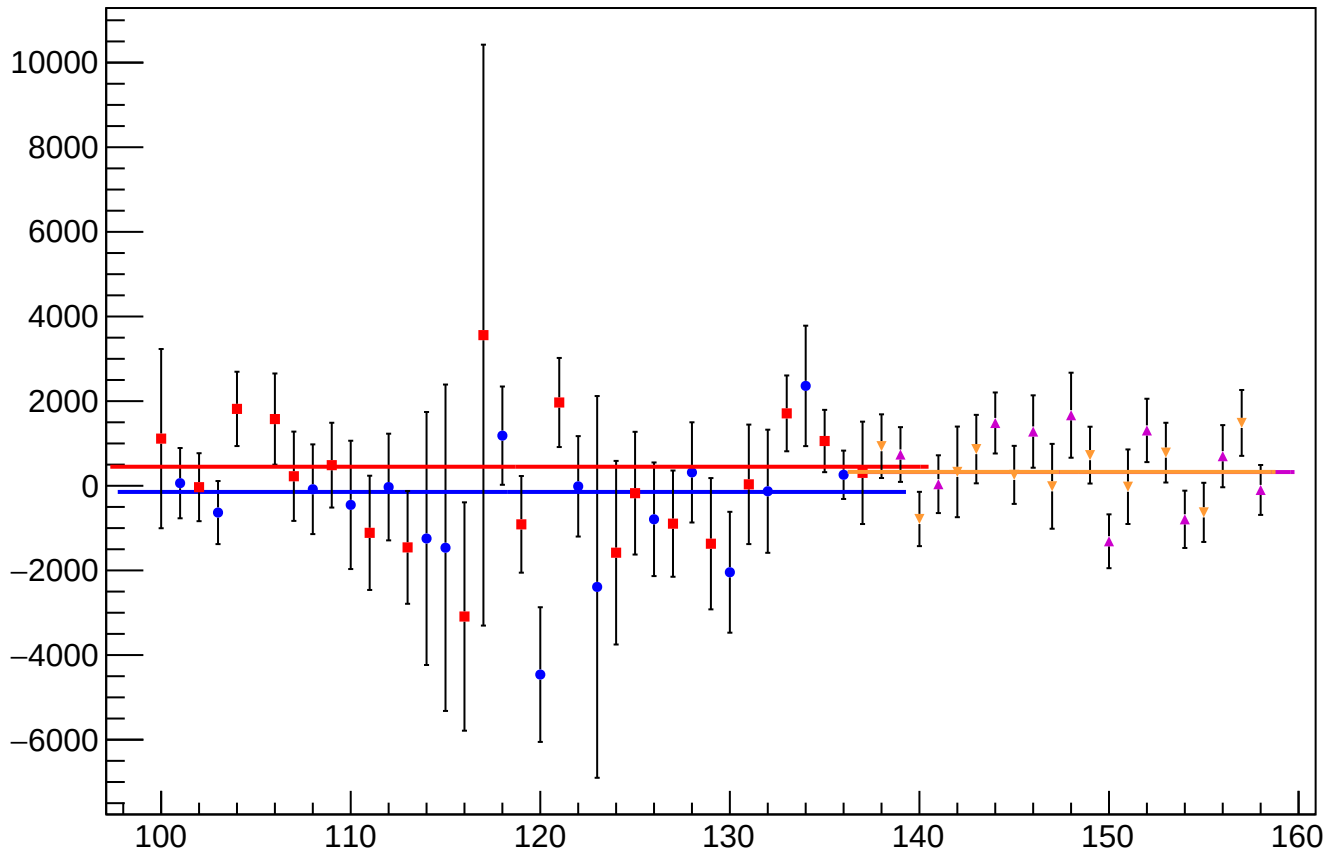
Right Out: 92.565+/-0.024 χ^2/NDF : 81875.5/19

Left In: 105.416+/-0.026 χ^2/NDF : 143812.2/9

97.870+/-0.018 χ^2/NDF : 286364.9/27

98.565+/-0.018 χ^2/NDF : 354317.1/29

asym_sam_15_dd_correction_mean vs Slug



Right In: -145.464 $\pm$ 276.629 χ^2 /NDF: 15.5/16

Left Out: 327.910 $\pm$ 229.836 χ^2 /NDF: 9.2/10

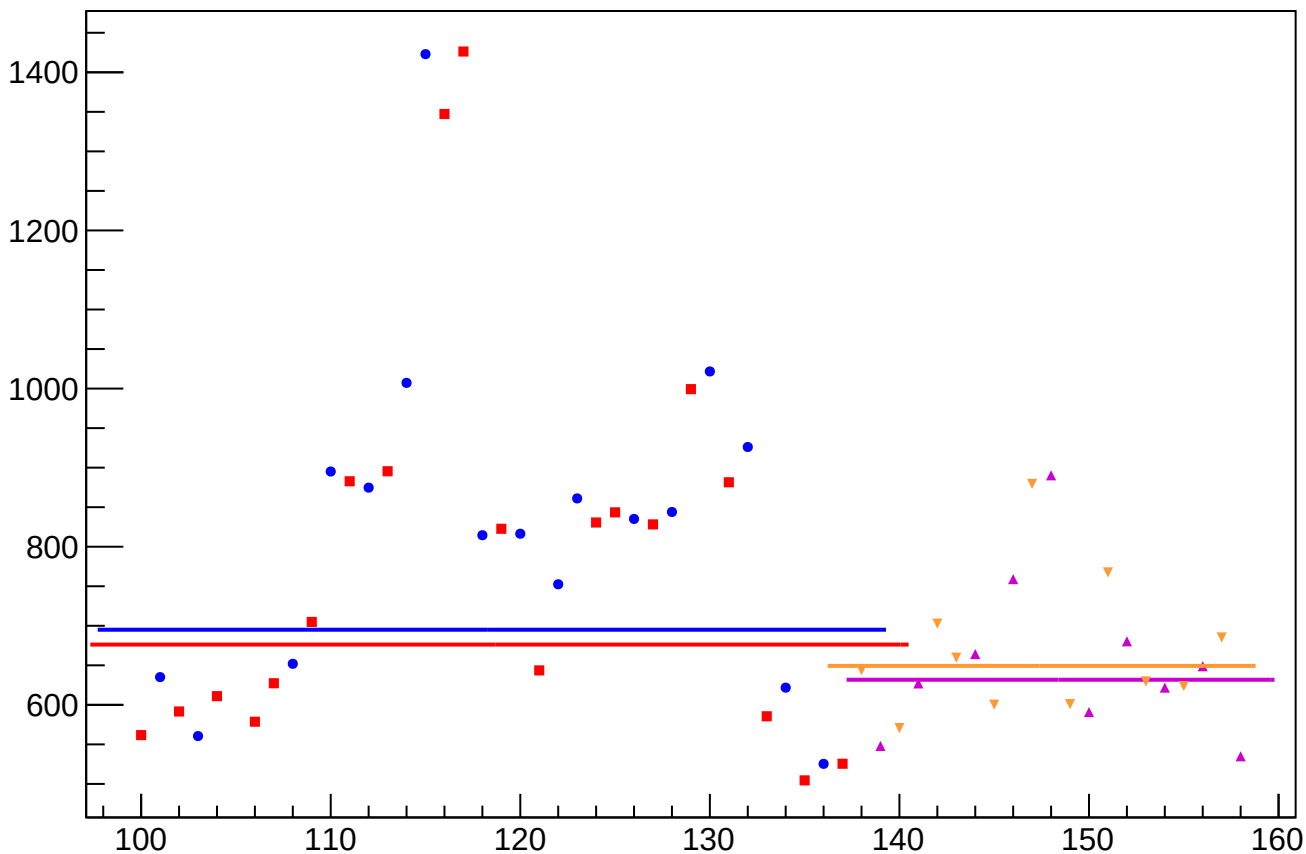
Right Out: 450.047 $\pm$ 260.089 χ^2 /NDF: 19.2/19

Left In: 324.402 $\pm$ 223.697 χ^2 /NDF: 18.0/9

134.589 $\pm$ 176.781 χ^2 /NDF: 26.4/27

377.826 $\pm$ 169.597 χ^2 /NDF: 37.4/29

asym_sam_15_dd_correction_rms vs Slug



Right In: 695.014 ± 0.196 χ^2/NDF : 677713.0/16

Left Out: 649.258 ± 0.163 χ^2/NDF : 206065.3/10

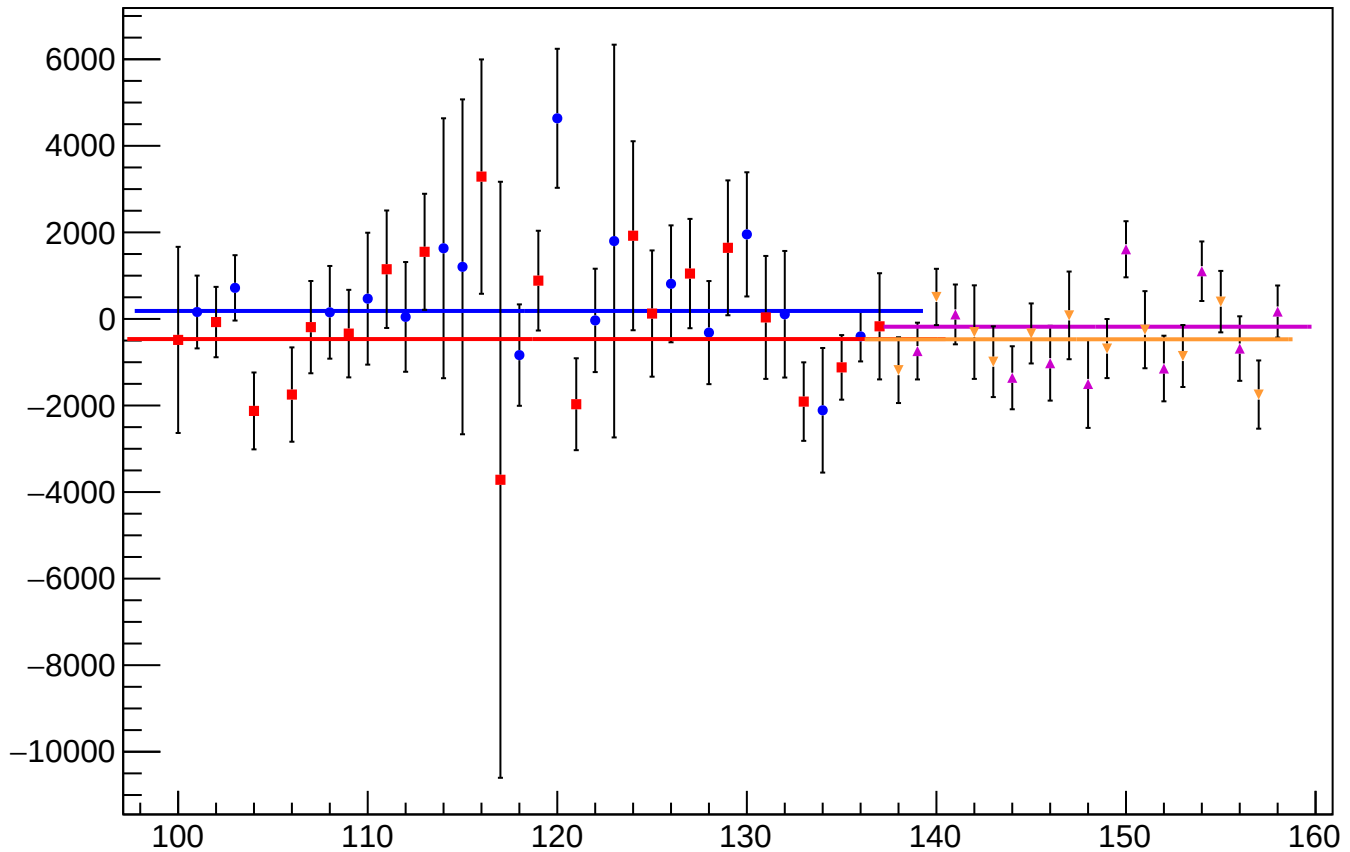
Right Out: 676.229 ± 0.184 χ^2/NDF : 700313.6/19

Left In: 631.753 ± 0.158 χ^2/NDF : 286481.9/9

667.944 ± 0.125 χ^2/NDF : 916149.5/27

650.664 ± 0.120 χ^2/NDF : 1020413.1/29

asym_sam_15_dd_mean vs Slug



Right In: 184.518 ± 279.390 χ^2/NDF : 14.9/16

Left Out: -470.158 ± 232.810 χ^2/NDF : 8.5/10

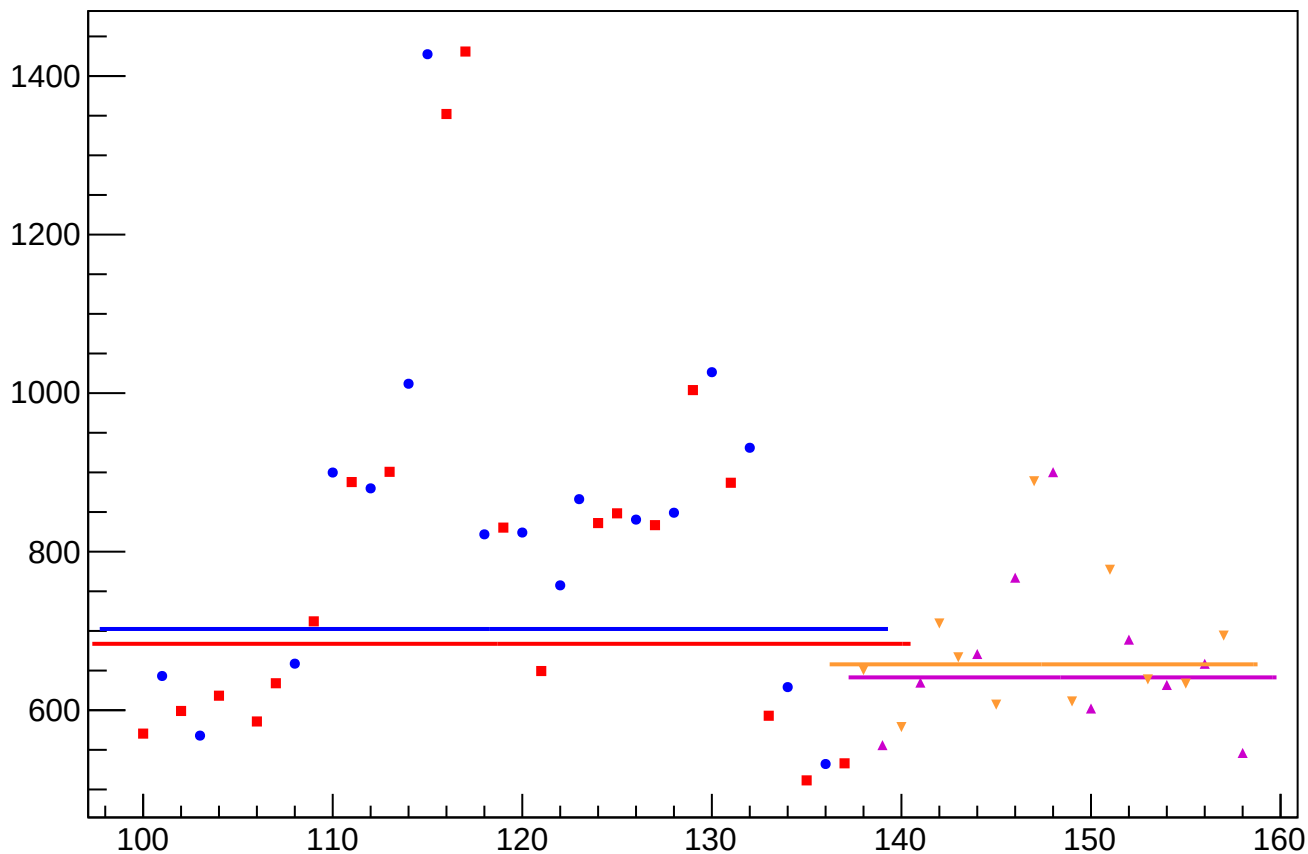
Right Out: -464.916 ± 262.768 χ^2/NDF : 22.5/19

Left In: -179.741 ± 227.007 χ^2/NDF : 19.7/9

-201.868 ± 178.855 χ^2/NDF : 26.7/27

-301.617 ± 171.781 χ^2/NDF : 42.9/29

asym_sam_15_dd_rms vs Slug



Right In: 702.469+/-0.198 χ^2/NDF : 660525.4/16

Left Out: 657.862+/-0.165 χ^2/NDF : 202557.9/10

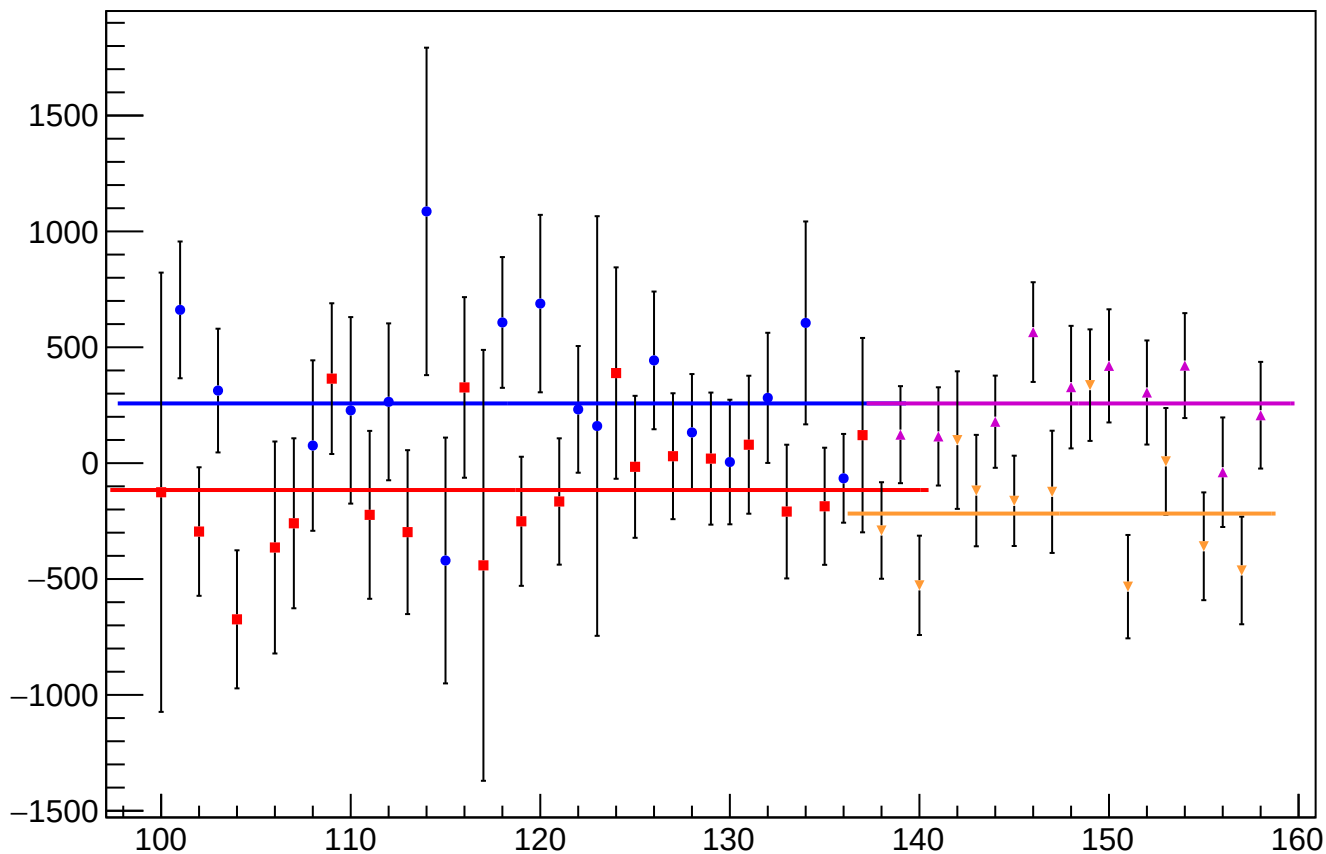
Right Out: 683.751+/-0.186 χ^2/NDF : 683105.3/19

Left In: 641.408+/-0.161 χ^2/NDF : 276606.2/9

676.142+/-0.126 χ^2/NDF : 893172.9/27

659.504+/-0.121 χ^2/NDF : 989450.7/29

reg_asym_sam_26_dd_mean vs Slug



Right In: 257.721 ± 75.931 $\chi^2/\text{NDF}: 13.0/16$

Left Out: -217.571 ± 69.431 $\chi^2/\text{NDF}: 13.5/10$

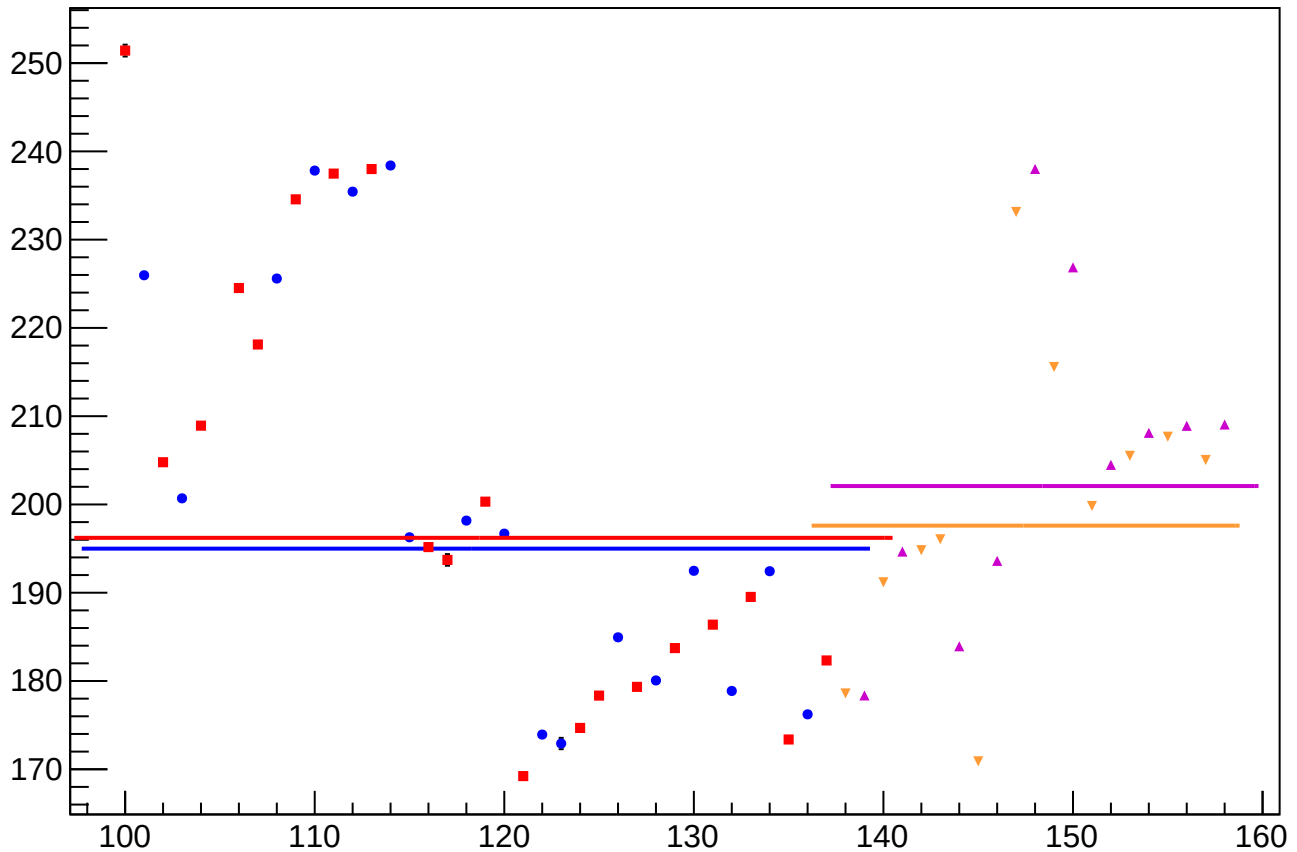
Right Out: -115.922 ± 73.976 $\chi^2/\text{NDF}: 11.4/19$

Left In: 257.630 ± 70.863 $\chi^2/\text{NDF}: 5.8/9$

-1.138 ± 51.239 $\chi^2/\text{NDF}: 47.8/27$

78.878 ± 51.173 $\chi^2/\text{NDF}: 30.4/29$

reg_asym_sam_26_dd_rms vs Slug



Right In: 194.994 $\pm$ 0.054 χ^2 /NDF: 144271.1/16

Left Out: 197.600 $\pm$ 0.049 χ^2 /NDF: 112097.0/10

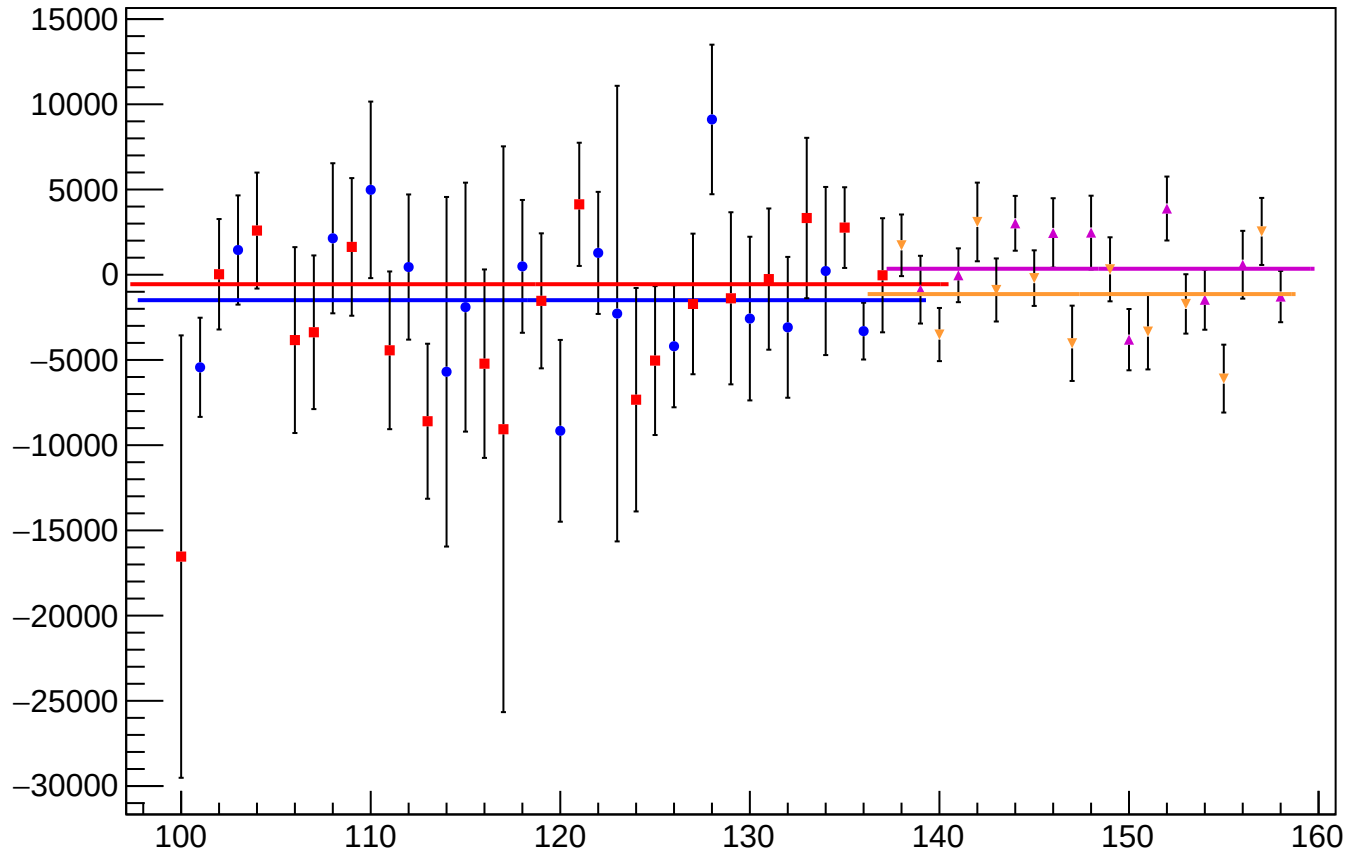
Right Out: 196.219 $\pm$ 0.052 χ^2 /NDF: 173506.2/19

Left In: 202.086 $\pm$ 0.050 χ^2 /NDF: 110562.3/9

196.414 $\pm$ 0.036 χ^2 /NDF: 257651.0/27

199.278 $\pm$ 0.036 χ^2 /NDF: 290627.8/29

asym_sam_26_dd_correction_mean vs Slug



Right In: -1493.280 ± 910.834 χ^2/NDF : 16.1/16

Left Out: -1135.570 ± 567.578 χ^2/NDF : 21.6/10

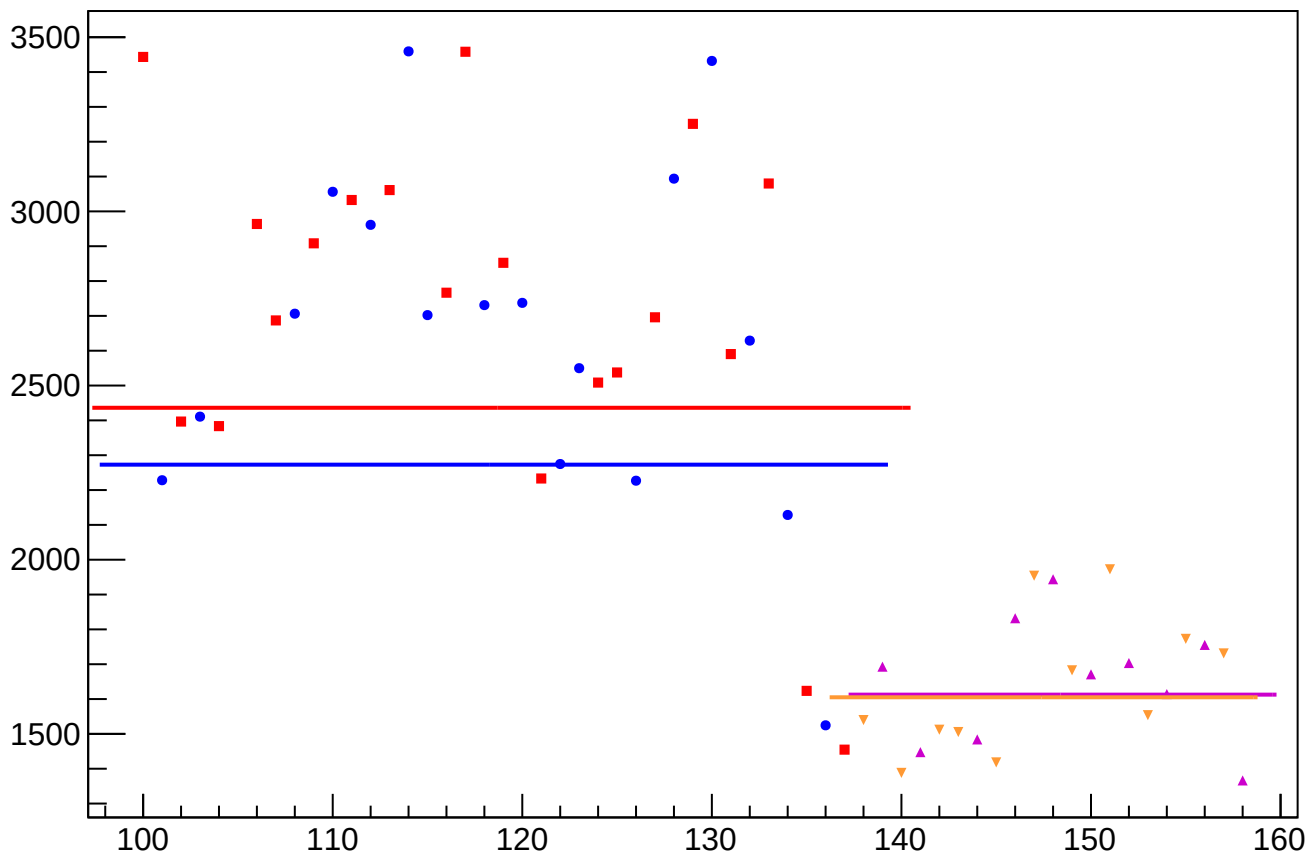
Right Out: -555.744 ± 933.239 χ^2/NDF : 14.9/19

Left In: 350.610 ± 567.483 χ^2/NDF : 16.4/9

-1235.621 ± 481.707 χ^2/NDF : 37.9/27

105.944 ± 484.876 χ^2/NDF : 32.0/29

asym_sam_26_dd_correction_rms vs Slug



Right In: 2272.883+/-0.644 χ^2/NDF : 805650.3/16

Left Out: 1605.051+/-0.401 χ^2/NDF : 208947.2/10

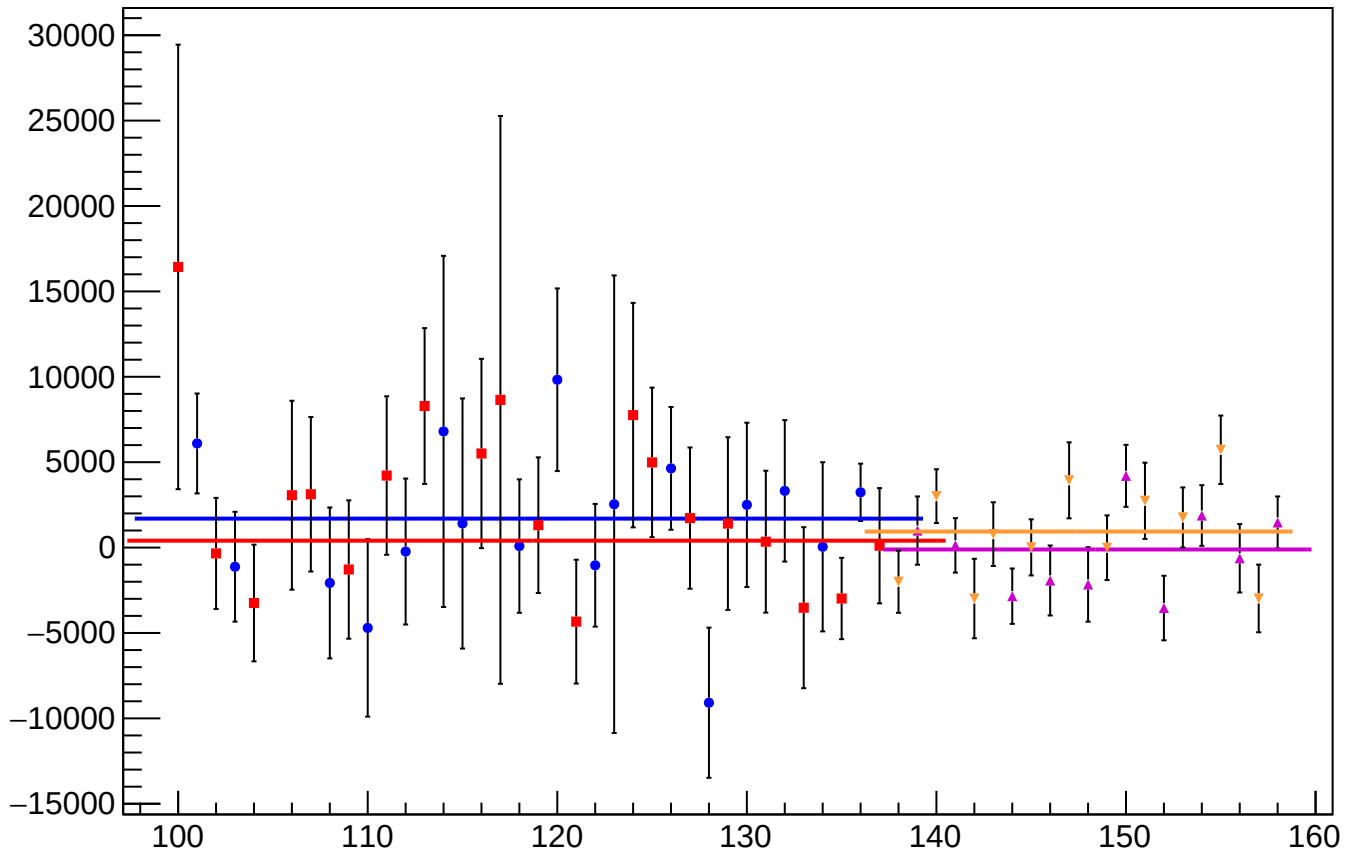
Right Out: 2436.191+/-0.660 χ^2/NDF : 688391.3/19

Left In: 1612.667+/-0.401 χ^2/NDF : 178567.9/9

1791.842+/-0.341 χ^2/NDF : 1789062.1/27

1834.973+/-0.343 χ^2/NDF : 2003938.0/29

asym_sam_26_dd_mean vs Slug



Right In: 1695.956 $\pm$ 914.855 χ^2 /NDF: 16.6/16

Left Out: 939.350 $\pm$ 572.033 χ^2 /NDF: 20.0/10

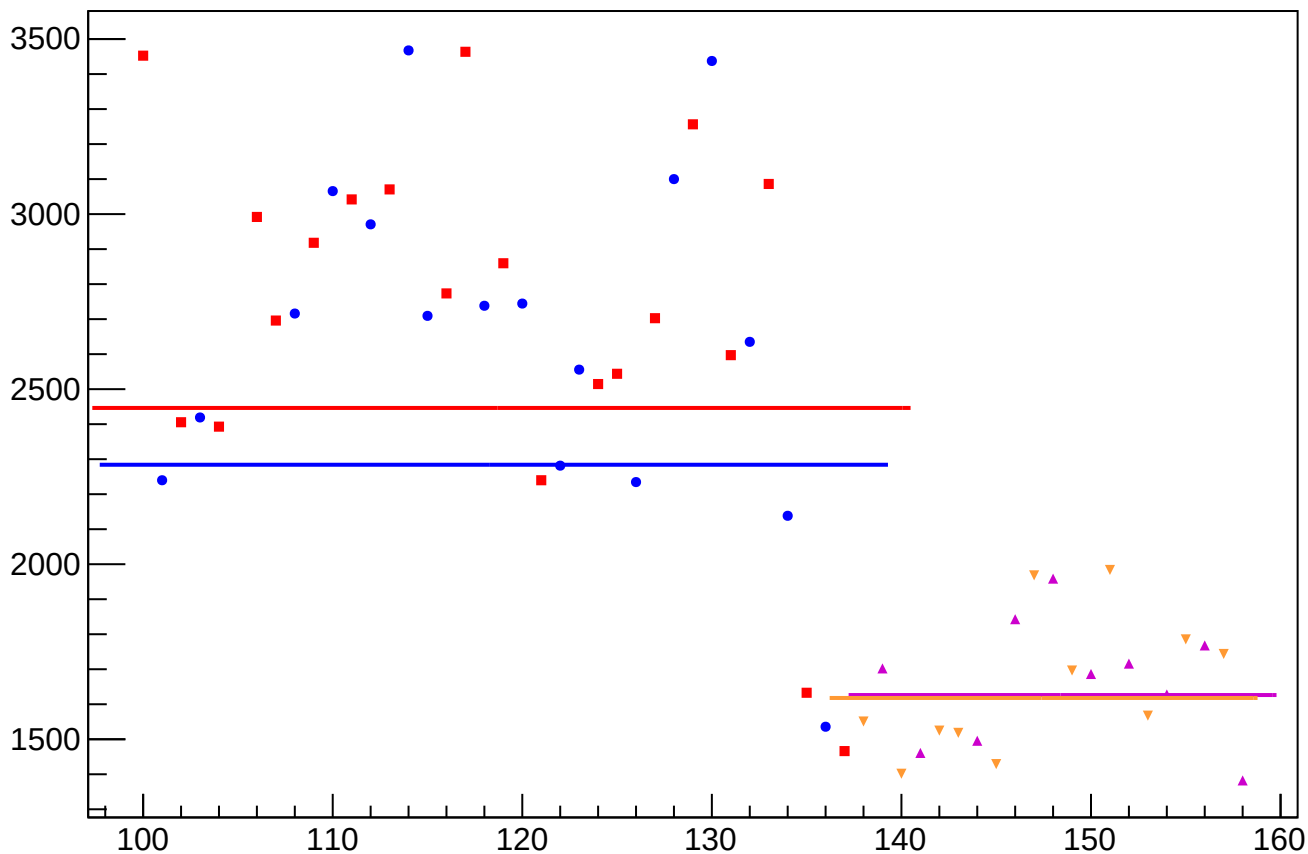
Right Out: 403.904 $\pm$ 937.036 χ^2 /NDF: 15.2/19

Left In: -111.064 $\pm$ 572.182 χ^2 /NDF: 16.2/9

1152.013 $\pm$ 485.024 χ^2 /NDF: 37.2/27

28.801 $\pm$ 488.337 χ^2 /NDF: 31.6/29

asym_sam_26_dd_rms vs Slug



Right In: 2284.104+/-0.647 χ^2/NDF : 793993.4/16

Left Out: 1617.947+/-0.404 χ^2/NDF : 206184.8/10

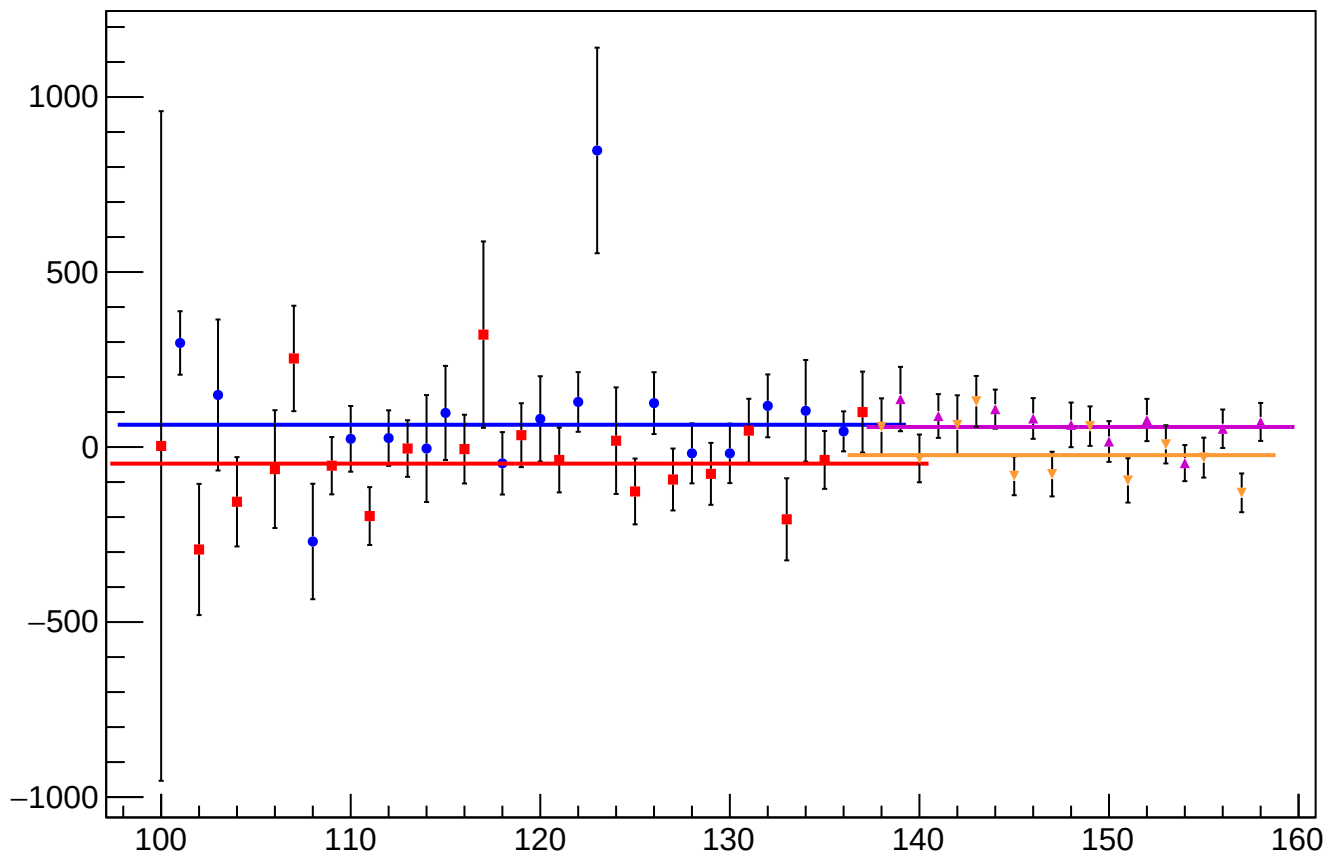
Right Out: 2446.366+/-0.663 χ^2/NDF : 680413.3/19

Left In: 1626.327+/-0.405 χ^2/NDF : 174282.9/9

1805.187+/-0.343 χ^2/NDF : 1762540.0/27

1849.049+/-0.345 χ^2/NDF : 1970421.9/29

reg_asym_sam_37_dd_mean vs Slug



Right In: 63.666 $\pm$ 23.743 χ^2 /NDF: 23.7/16

Left Out: -23.091 $\pm$ 18.902 χ^2 /NDF:16.0/10

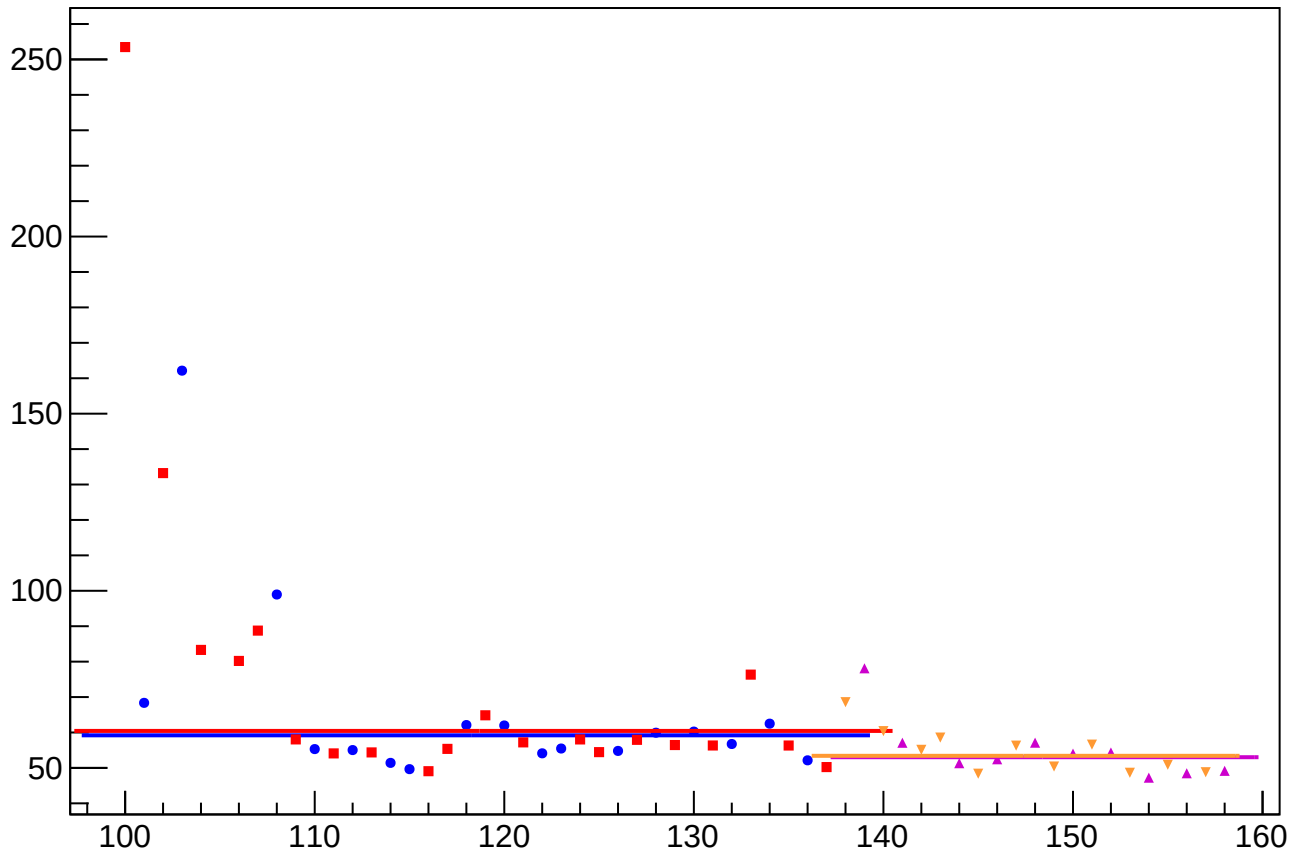
Right Out: -47.367 $\pm$ 23.568 χ^2 /NDF: 18.7/19

Left In: 57.389 $\pm$ 18.723 χ^2 /NDF:6.7/9

10.566 $\pm$ 14.788 χ^2 /NDF: 47.8/27

16.856 $\pm$ 14.660 χ^2 /NDF: 37.6/29

reg_asym_sam_37_dd_rms vs Slug



Right In: 59.200+/-0.017 χ^2/NDF : 665472.4/16

Left Out: 53.415+/-0.013 χ^2/NDF : 165479.3/10

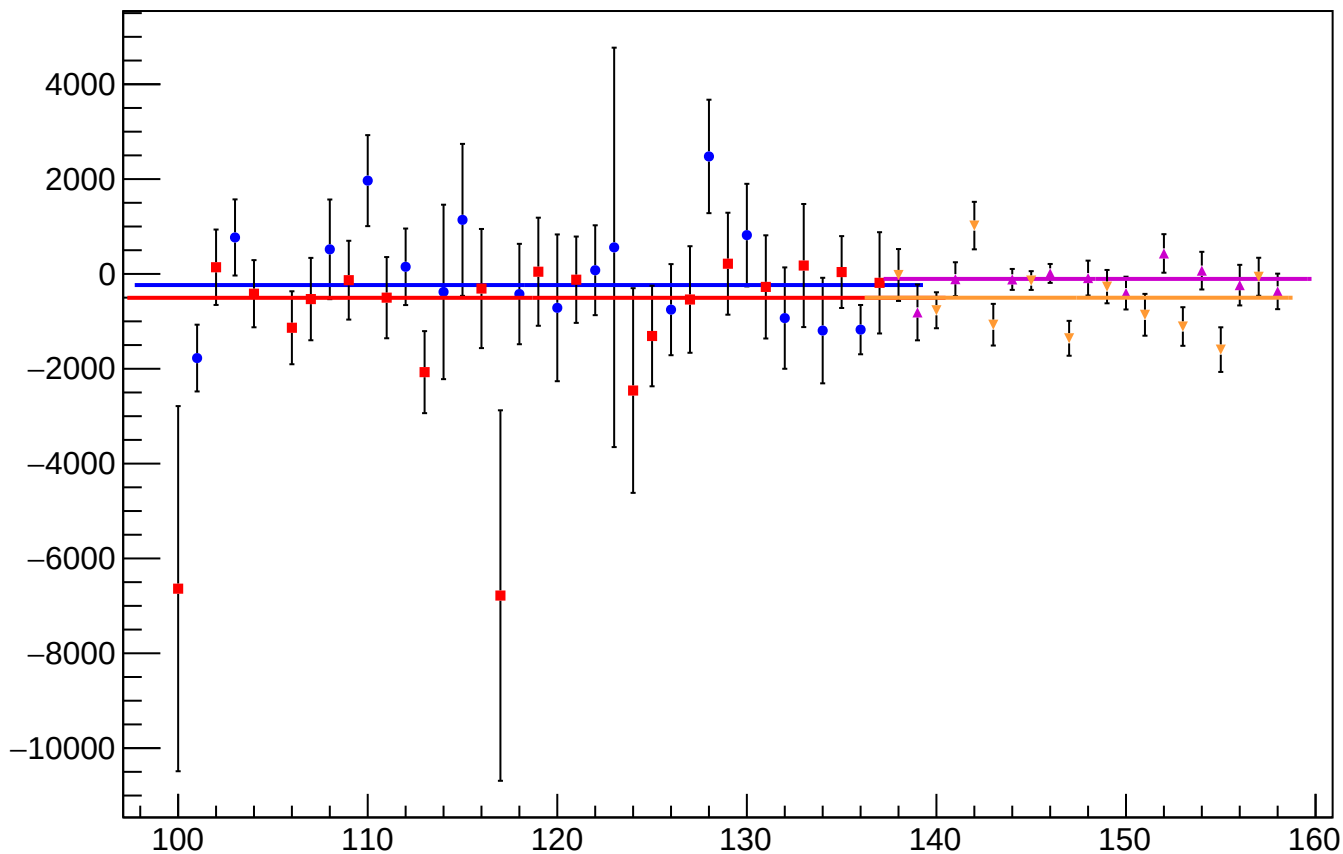
Right Out: 60.443+/-0.017 χ^2/NDF : 680790.3/19

Left In: 53.021+/-0.013 χ^2/NDF : 218282.5/9

55.659+/-0.010 χ^2/NDF : 903634.0/27

55.893+/-0.010 χ^2/NDF : 1020672.8/29

asym_sam_37_dd_correction_mean vs Slug



Right In: -234.492 ± 233.880 χ^2/NDF : 24.2/16

Left Out: -501.793 ± 110.173 χ^2/NDF : 30.9/10

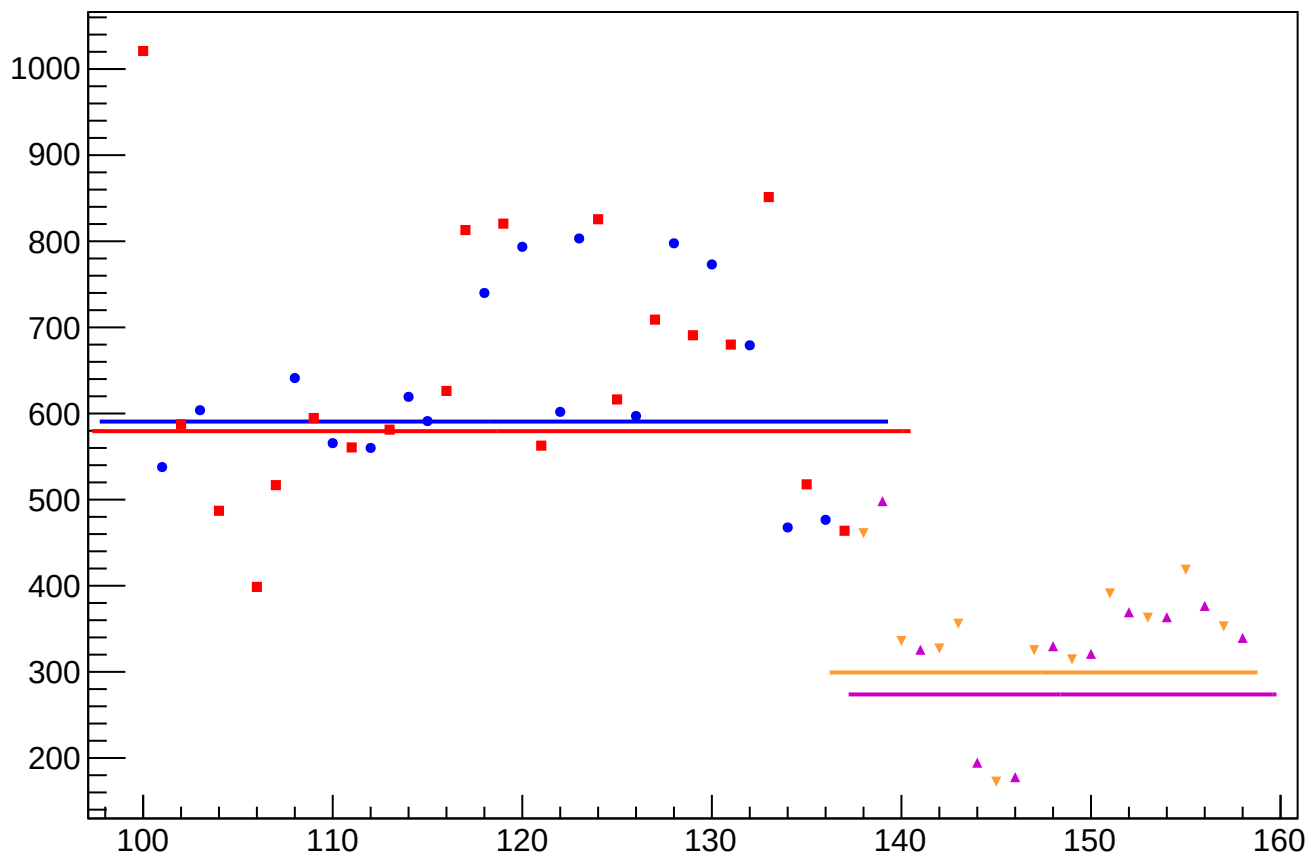
Right Out: -503.638 ± 221.955 χ^2/NDF : 13.2/19

Left In: -105.042 ± 101.454 χ^2/NDF : 5.1/9

-453.250 ± 99.668 χ^2/NDF : 56.1/27

-173.929 ± 92.271 χ^2/NDF : 20.9/29

asym_sam_37_dd_correction_rms vs Slug



Right In: 590.659+/-0.165 χ^2/NDF : 352080.1/16

Left Out: 299.356+/-0.078 χ^2/NDF :1367159.9/10

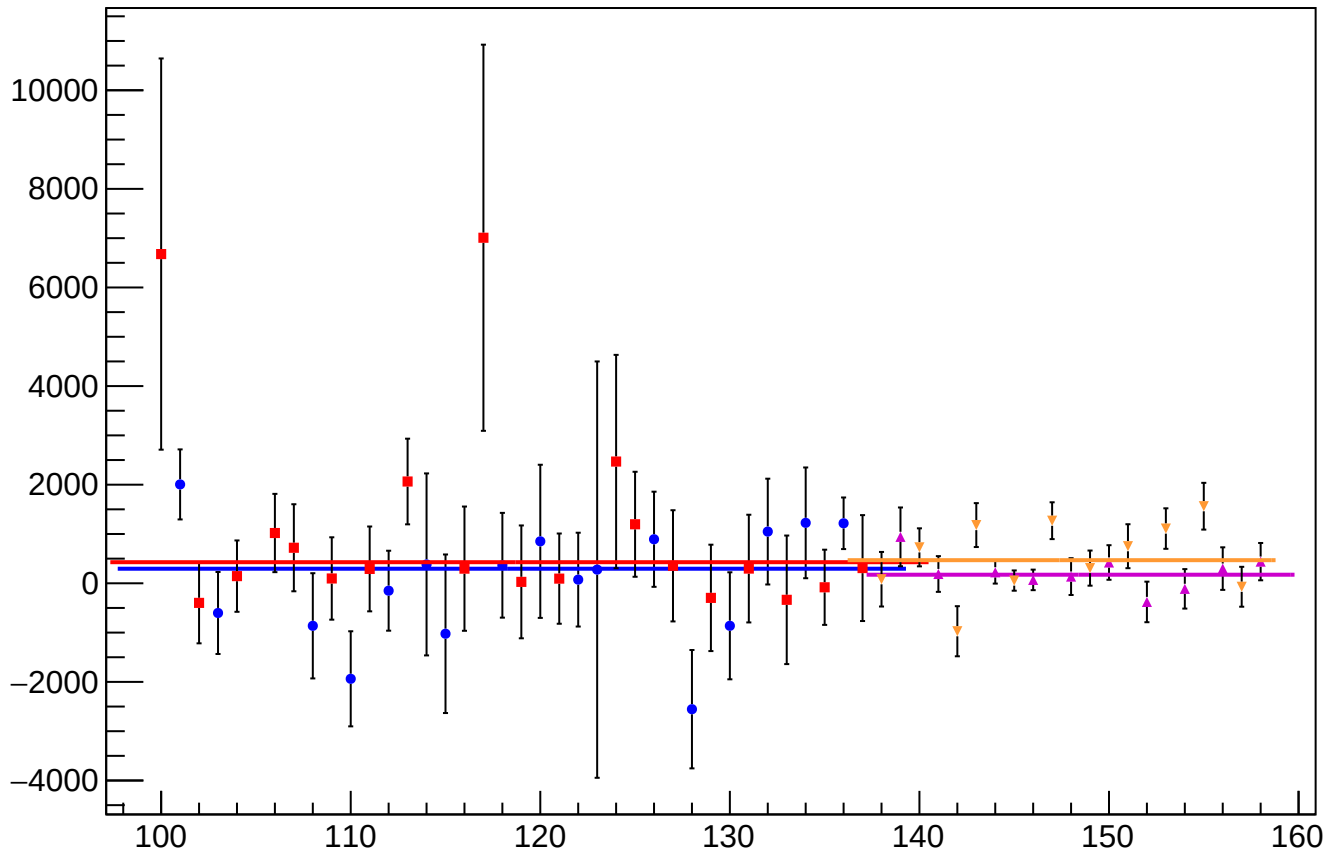
Right Out: 579.509+/-0.157 χ^2/NDF : 501132.1/19

Left In: 273.801+/-0.072 χ^2/NDF :1527194.8/9

352.258+/-0.070 χ^2/NDF : 4258439.5/27

326.635+/-0.065 χ^2/NDF : 5166762.1/29

asym_sam_37_dd_mean vs Slug



Right In: 295.401 ± 235.860 χ^2/NDF : 26.1/16

Left Out: 468.754 ± 112.424 χ^2/NDF : 30.3/10

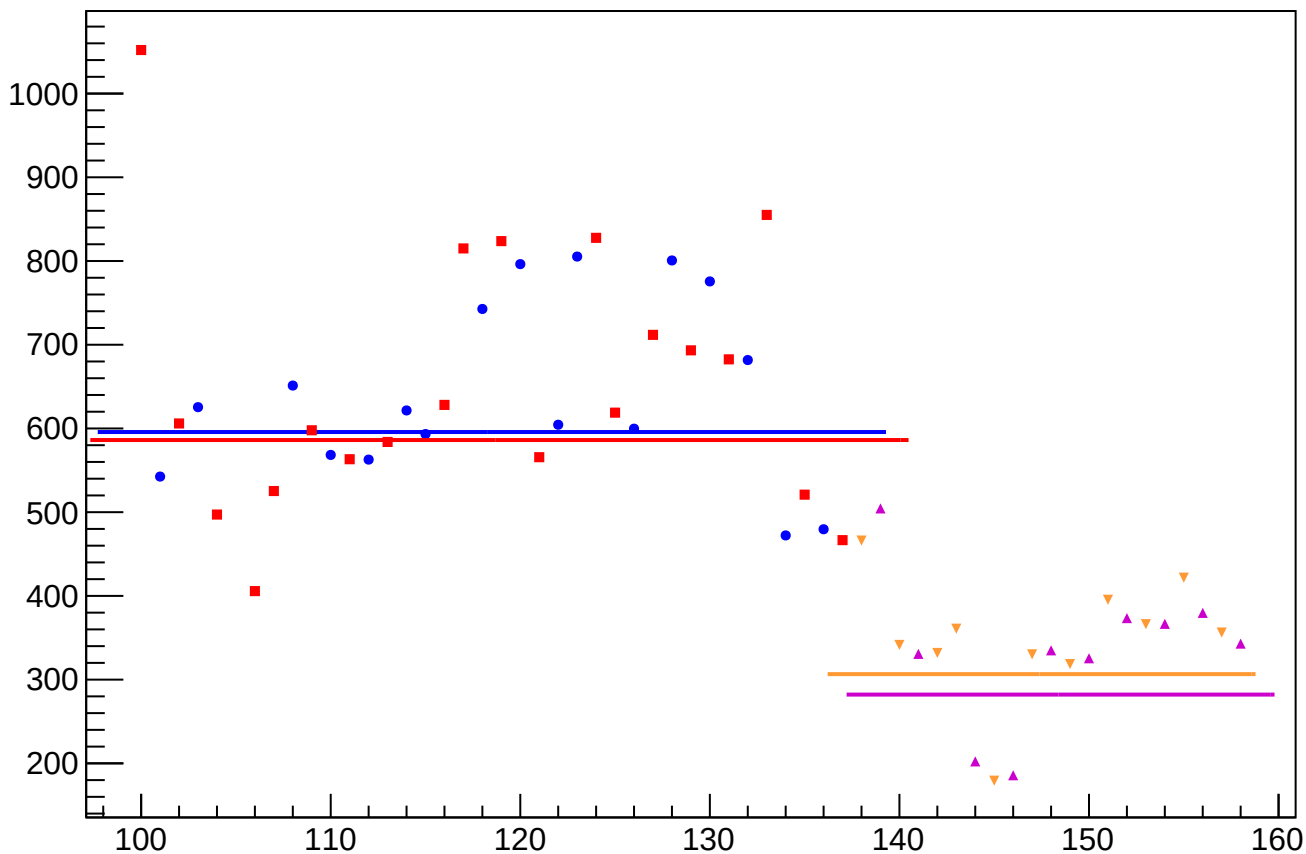
Right Out: 427.853 ± 224.485 χ^2/NDF : 13.8/19

Left In: 173.917 ± 104.031 χ^2/NDF : 5.4/9

436.660 ± 101.485 χ^2/NDF : 56.9/27

218.811 ± 94.388 χ^2/NDF : 20.2/29

asym_sam_37_dd_rms vs Slug



Right In: 595.734+/-0.167 χ^2/NDF : 350058.2/16

Left Out: 306.567+/-0.079 χ^2/NDF : 1263117.2/10

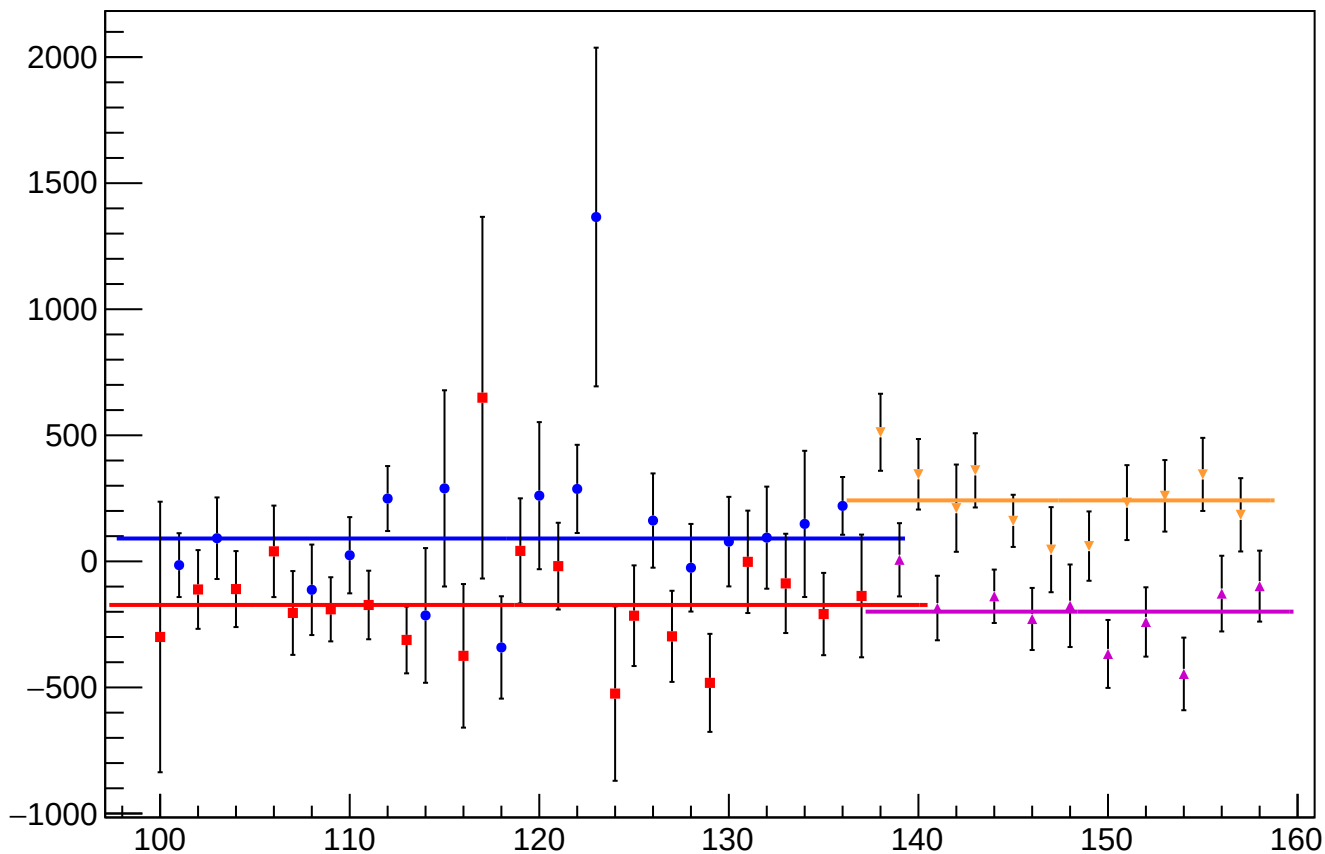
Right Out: 586.176+/-0.159 χ^2/NDF : 481325.4/19

Left In: 282.130+/-0.074 χ^2/NDF : 1398430.5/9

360.102+/-0.072 χ^2/NDF : 4062809.7/27

335.883+/-0.067 χ^2/NDF : 4900002.8/29

reg_asym_sam_48_dd_mean vs Slug



Right In: 90.711+/-43.312 χ^2/NDF : 16.9/16

Left Out: 241.860+/-42.842 χ^2/NDF : 8.7/10

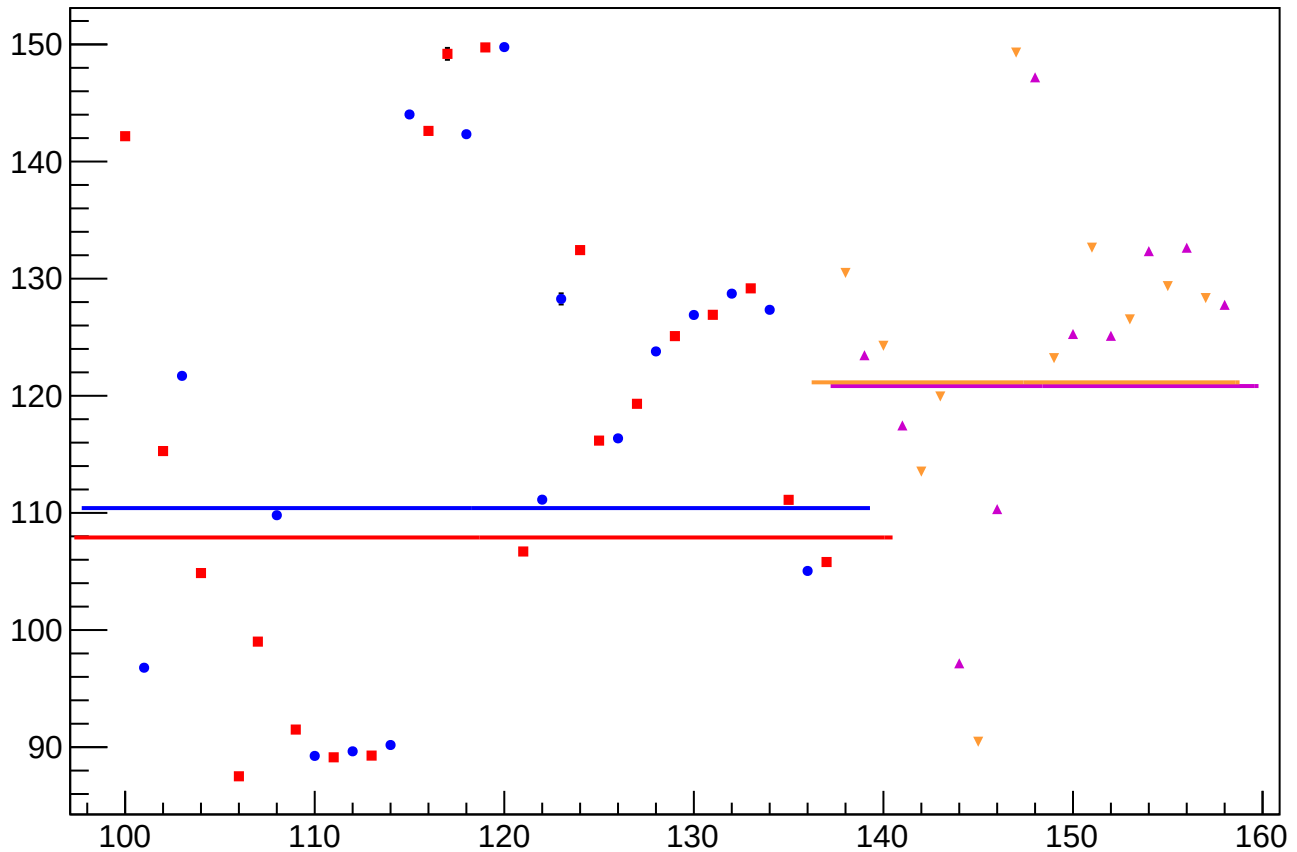
Right Out: -172.786+/-41.033 χ^2/NDF : 11.6/19

Left In: -199.401+/-42.562 χ^2/NDF : 7.7/9

167.111+/-30.459 χ^2/NDF : 31.8/27

-185.607+/-29.541 χ^2/NDF : 19.6/29

reg_asym_sam_48_dd_rms vs Slug



Right In: 110.411 $\pm$ 0.031 χ^2 /NDF: 296425.4/16

Left Out: 121.148 $\pm$ 0.030 χ^2 /NDF: 270720.2/10

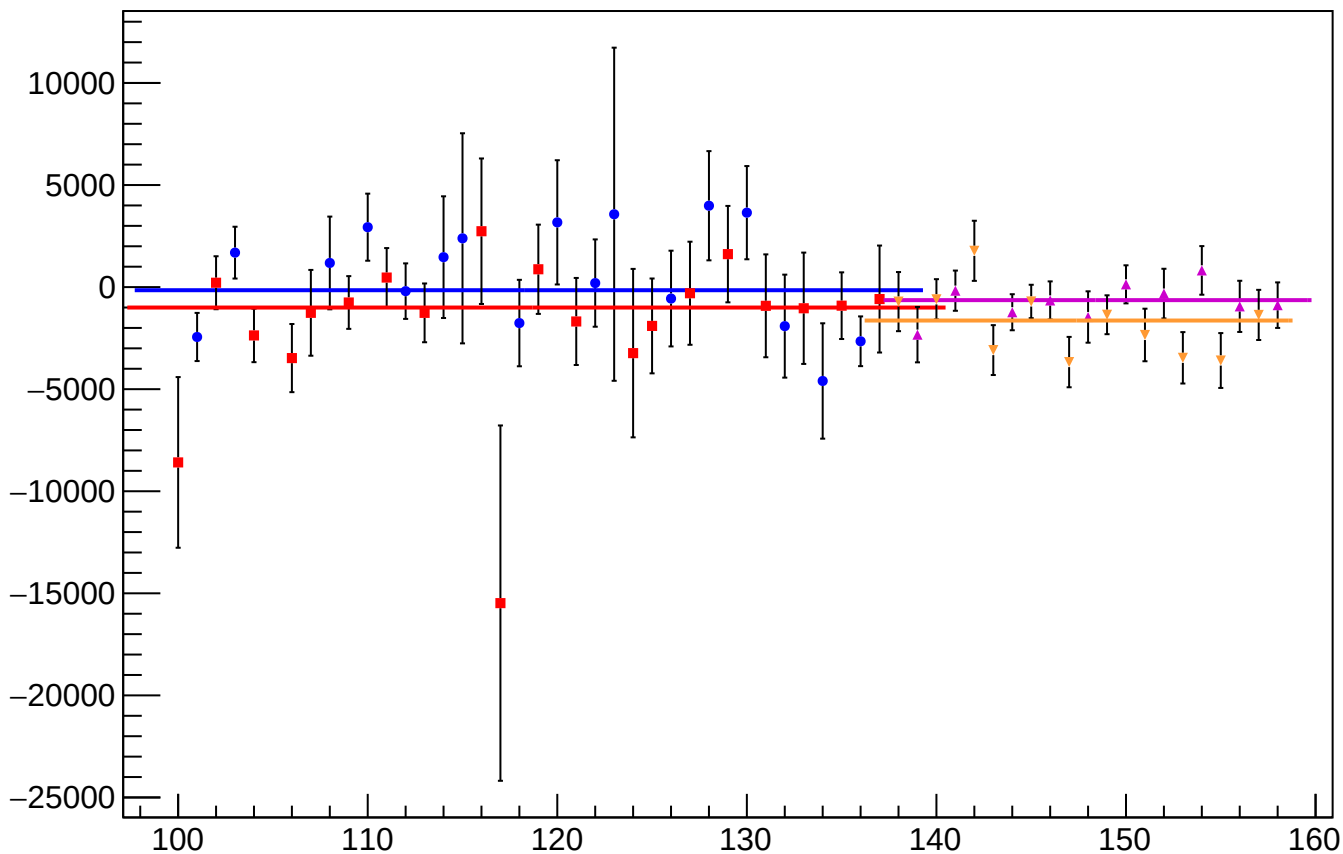
Right Out: 107.903 $\pm$ 0.029 χ^2 /NDF: 351091.4/19

Left In: 120.832 $\pm$ 0.030 χ^2 /NDF: 202618.3/9

115.838 $\pm$ 0.022 χ^2 /NDF: 629262.7/27

114.131 $\pm$ 0.021 χ^2 /NDF: 649353.9/29

asym_sam_48_dd_correction_mean vs Slug



Right In: -152.403+/-464.753 χ^2/NDF : 24.7/16

Left Out: -1636.970+/-346.265 χ^2/NDF : 17.0/10

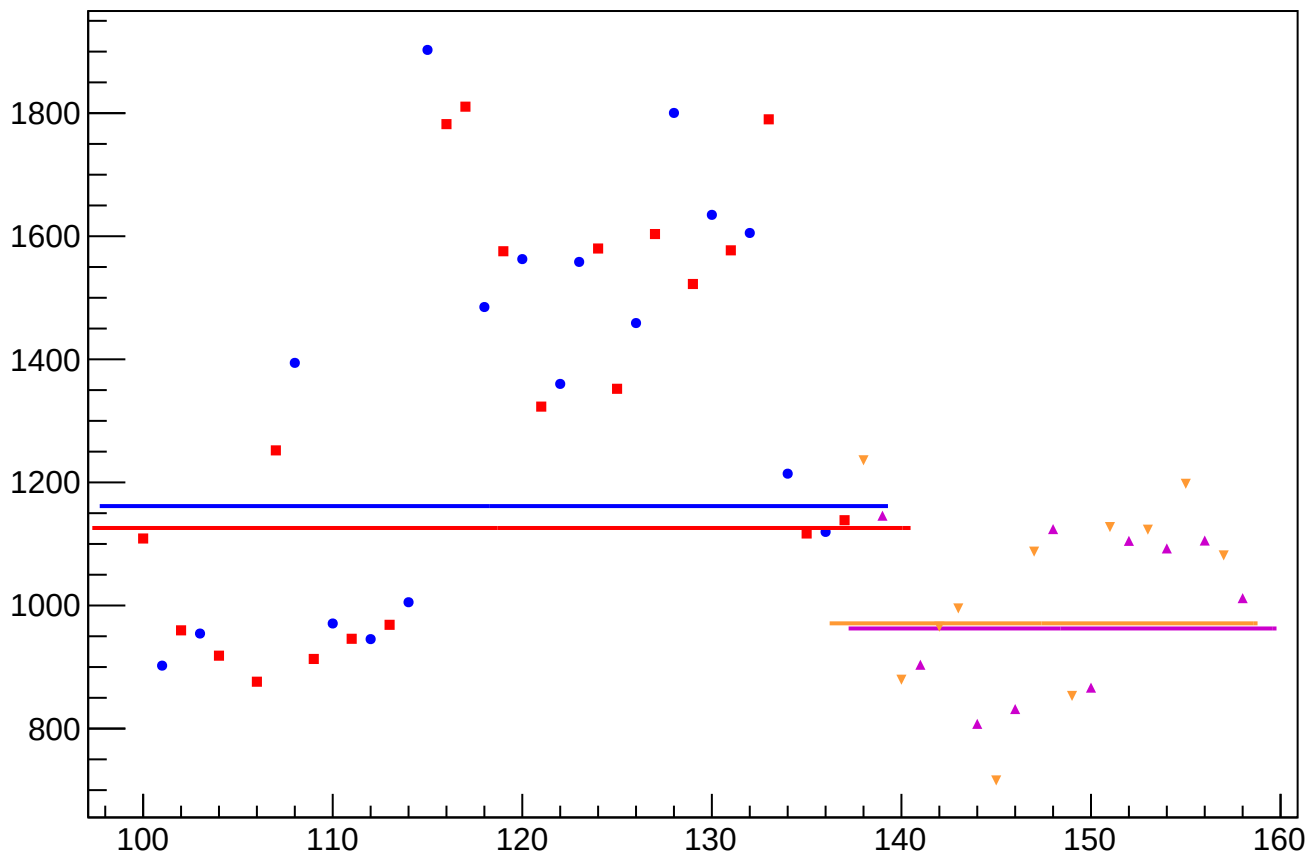
Right Out: -1000.907+/-434.569 χ^2/NDF : 15.1/19

Left In: -638.329+/-340.854 χ^2/NDF : 5.0/9

-1107.045+/-277.670 χ^2/NDF : 48.2/27

-776.429+/-268.197 χ^2/NDF : 20.5/29

asym_sam_48_dd_correction_rms vs Slug



Right In: 1161.530 $\pm$ 0.329 χ^2 /NDF: 695906.9/16

Left Out: 970.992 $\pm$ 0.245 χ^2 /NDF: 460206.4/10

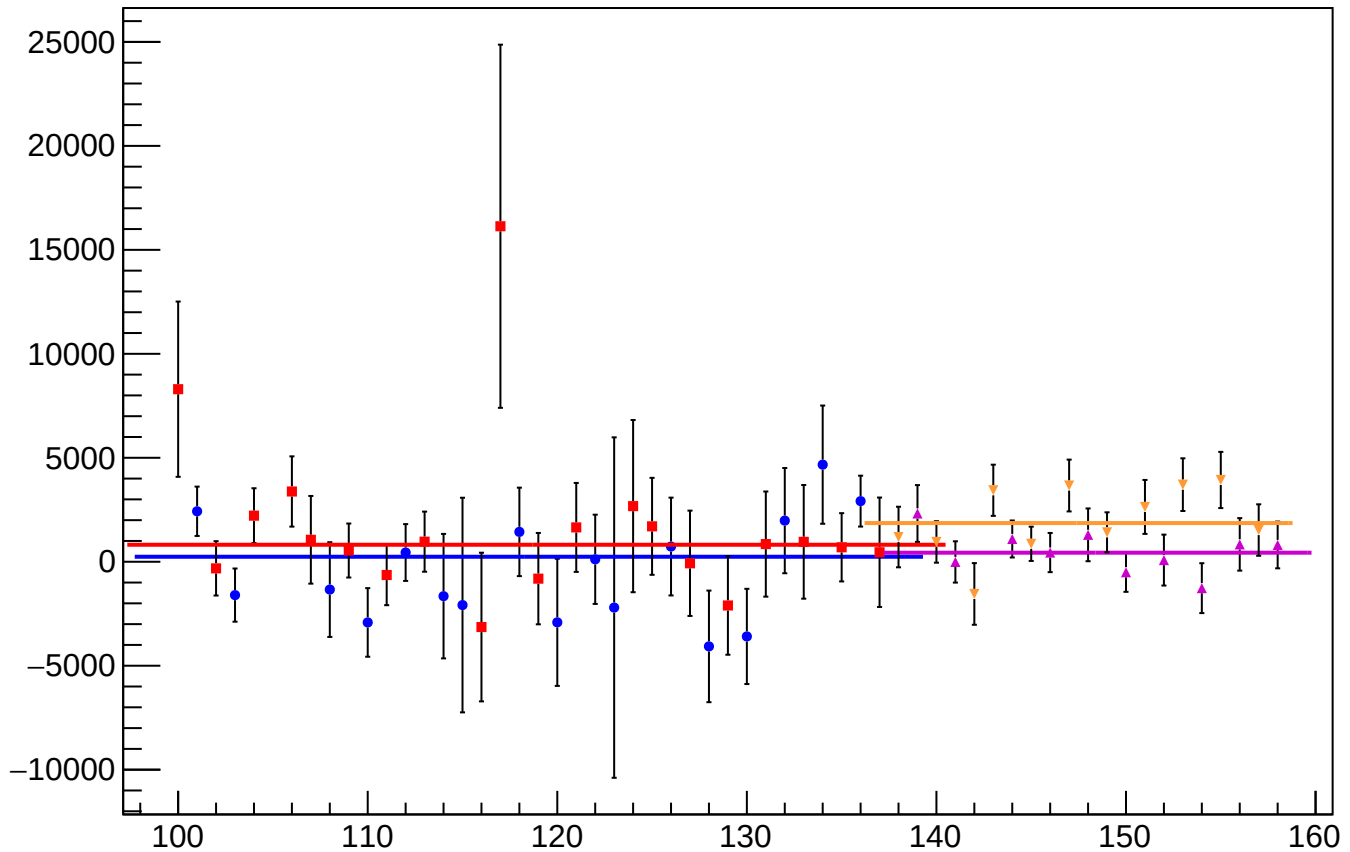
Right Out: 1125.946 $\pm$ 0.307 χ^2 /NDF: 780195.3/19

Left In: 962.667 $\pm$ 0.241 χ^2 /NDF: 279917.7/9

1039.006 $\pm$ 0.196 χ^2 /NDF: 1372282.0/27

1024.857 $\pm$ 0.190 χ^2 /NDF: 1234915.0/29

asym_sam_48_dd_mean vs Slug



Right In: 240.732 $\pm$ 467.036 χ^2 /NDF: 24.8/16

Left Out: 1860.961 $\pm$ 349.069 χ^2 /NDF:16.7/10

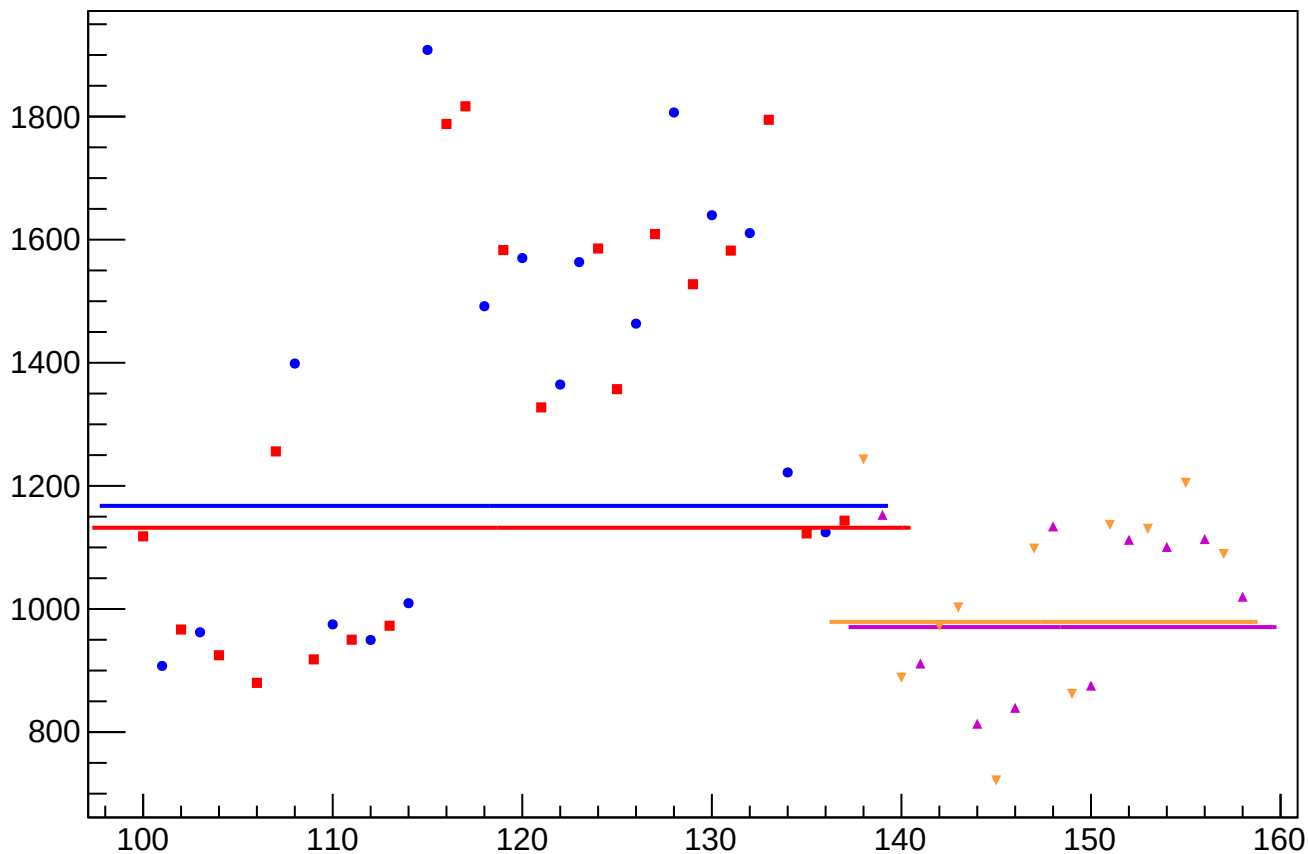
Right Out: 817.635 $\pm$ 436.939 χ^2 /NDF: 15.4/19

Left In: 435.677 $\pm$ 343.627 χ^2 /NDF:6.4/9

1280.256 $\pm$ 279.602 χ^2 /NDF: 49.2/27

581.638 $\pm$ 270.105 χ^2 /NDF: 22.3/29

asym_sam_48_dd_rms vs Slug



Right In: 1167.539 $\pm$ 0.330 χ^2 /NDF: 690485.6/16

Left Out: 979.072 $\pm$ 0.247 χ^2 /NDF: 455817.1/10

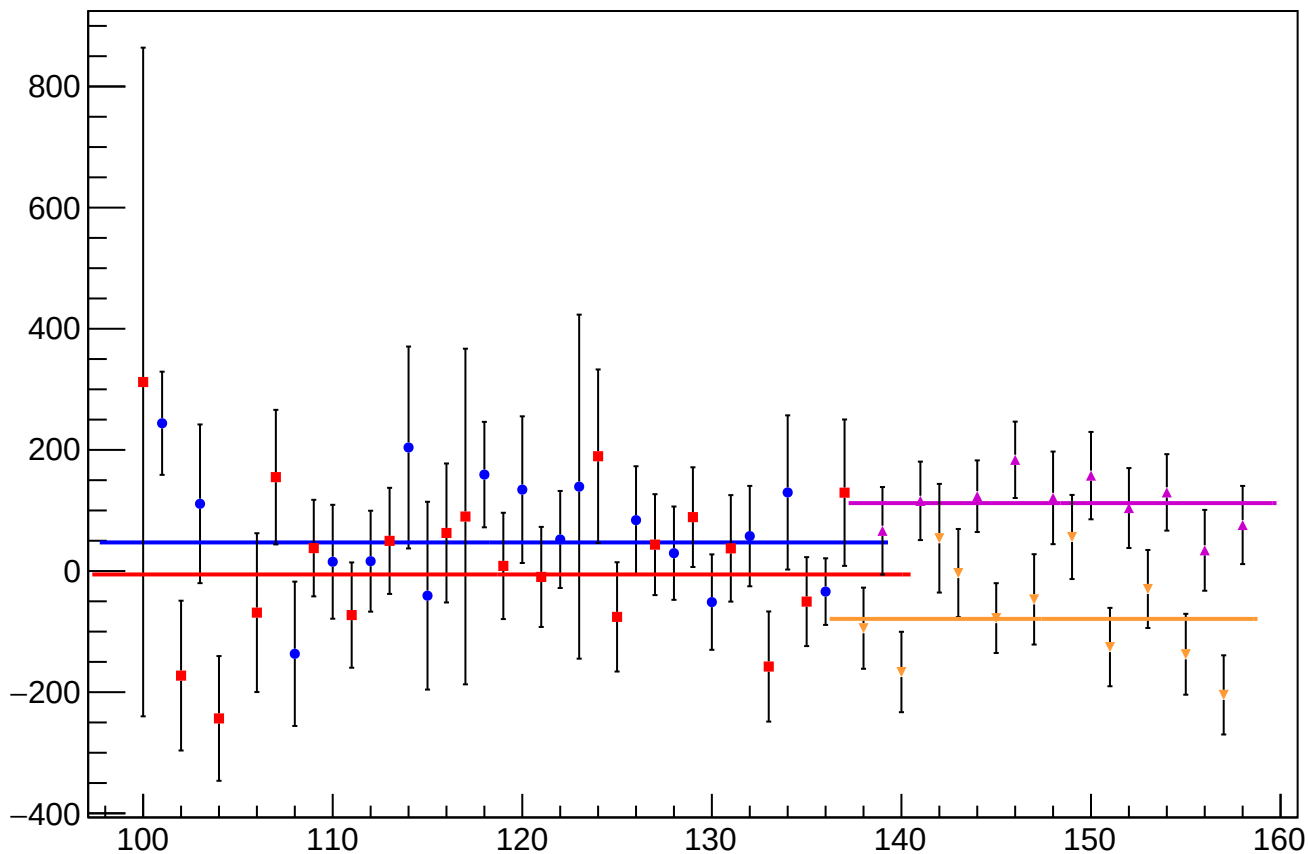
Right Out: 1132.019 $\pm$ 0.309 χ^2 /NDF: 773827.8/19

Left In: 970.654 $\pm$ 0.243 χ^2 /NDF: 277337.8/9

1046.620 $\pm$ 0.198 χ^2 /NDF: 1355259.8/27

1032.318 $\pm$ 0.191 χ^2 /NDF: 1219704.1/29

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 47.220+/-22.565 χ^2/NDF : 16.1/16

Left Out: -79.000+/-20.458 χ^2/NDF :14.6/10

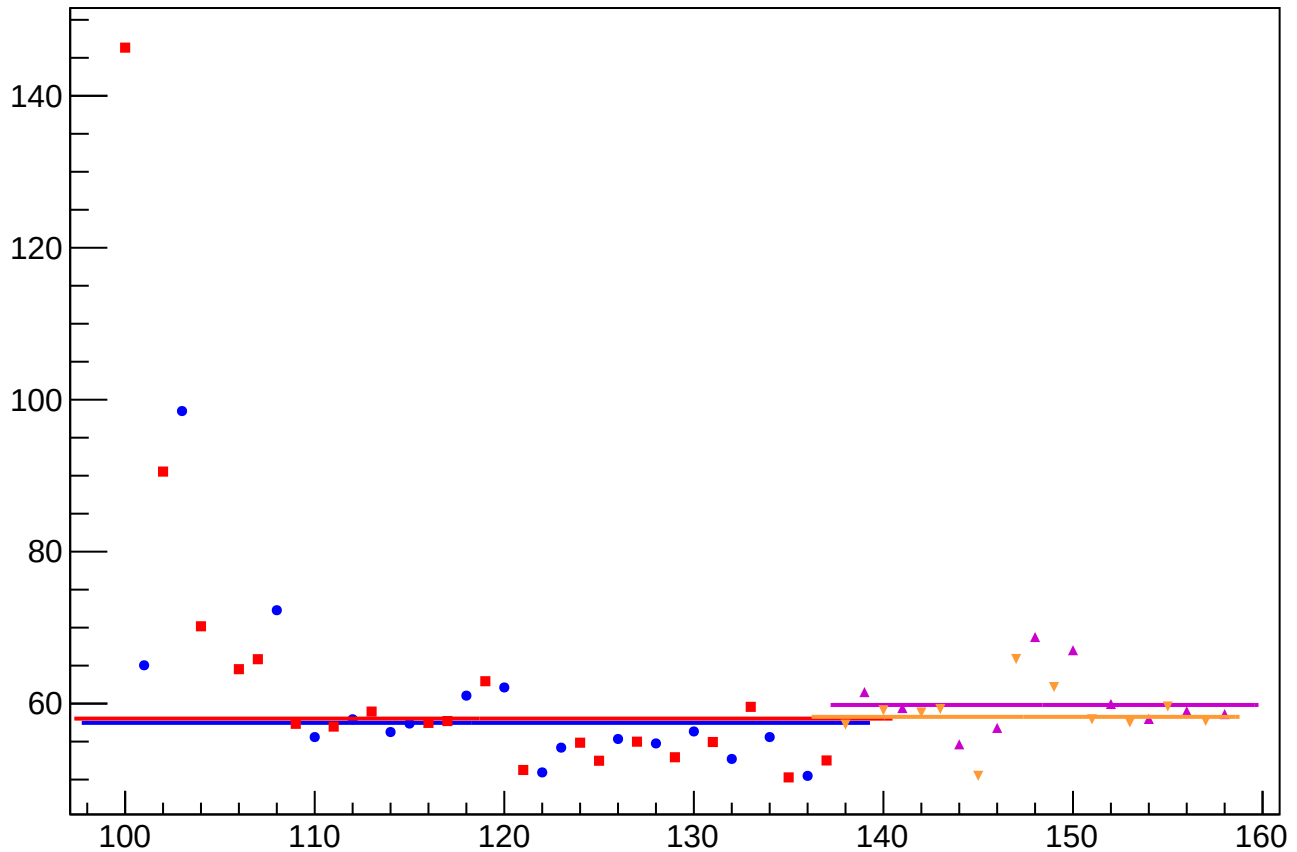
Right Out: -5.636+/-22.057 χ^2/NDF : 20.4/19

Left In: 112.143+/-20.961 χ^2/NDF :3.9/9

-22.056+/-15.156 χ^2/NDF : 47.9/27

56.254+/-15.194 χ^2/NDF : 39.3/29

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 57.465 ± 0.016 $\chi^2/\text{NDF}: 307156.4/16$

Left Out: 58.257 ± 0.014 $\chi^2/\text{NDF}: 66034.8/10$

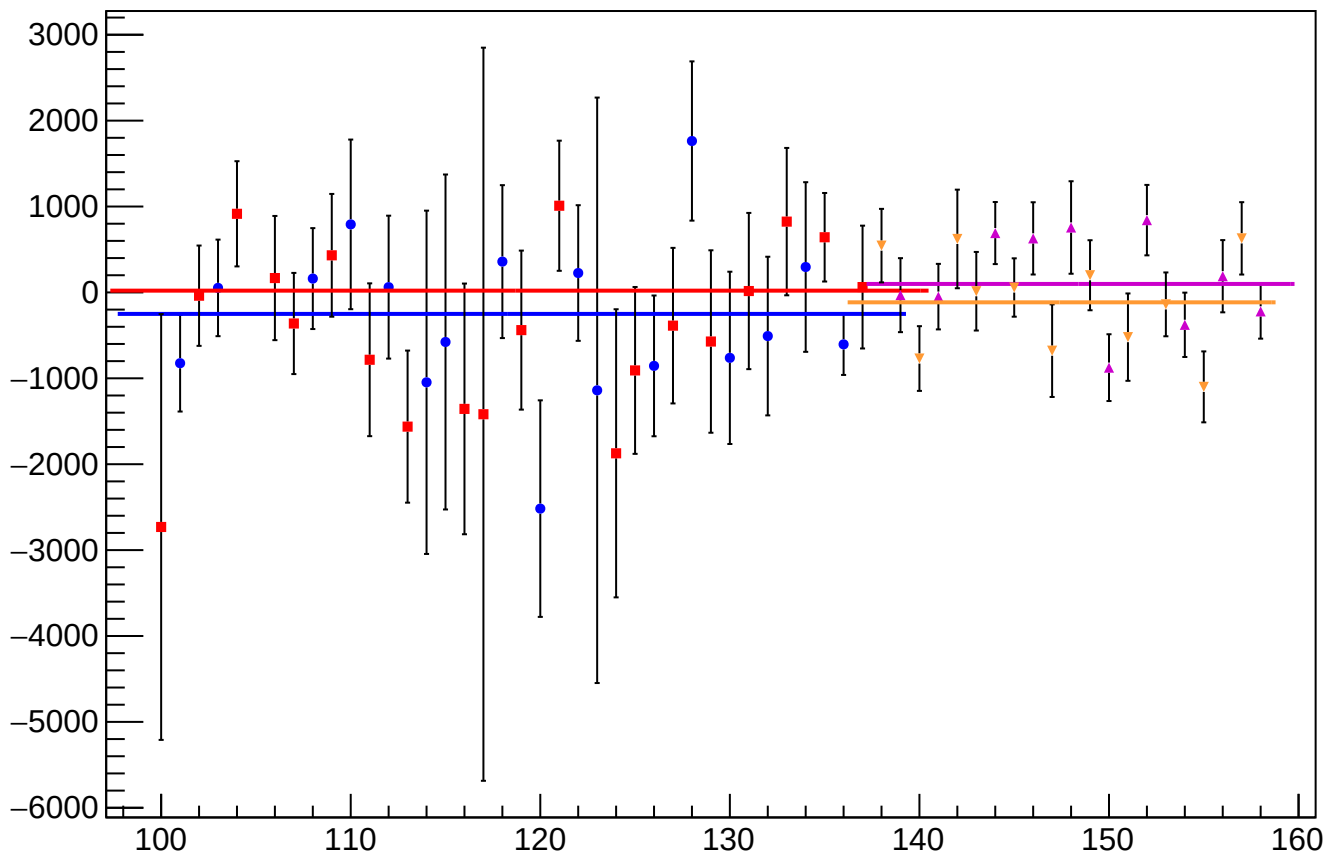
Right Out: 58.025 ± 0.016 $\chi^2/\text{NDF}: 300790.9/19$

Left In: 59.820 ± 0.015 $\chi^2/\text{NDF}: 71168.9/9$

57.900 ± 0.011 $\chi^2/\text{NDF}: 374541.1/27$

58.968 ± 0.011 $\chi^2/\text{NDF}: 378917.9/29$

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -250.140+/-184.092 χ^2 /NDF: 14.3/16

Left Out: -115.378+/-127.984 χ^2 /NDF:18.5/10

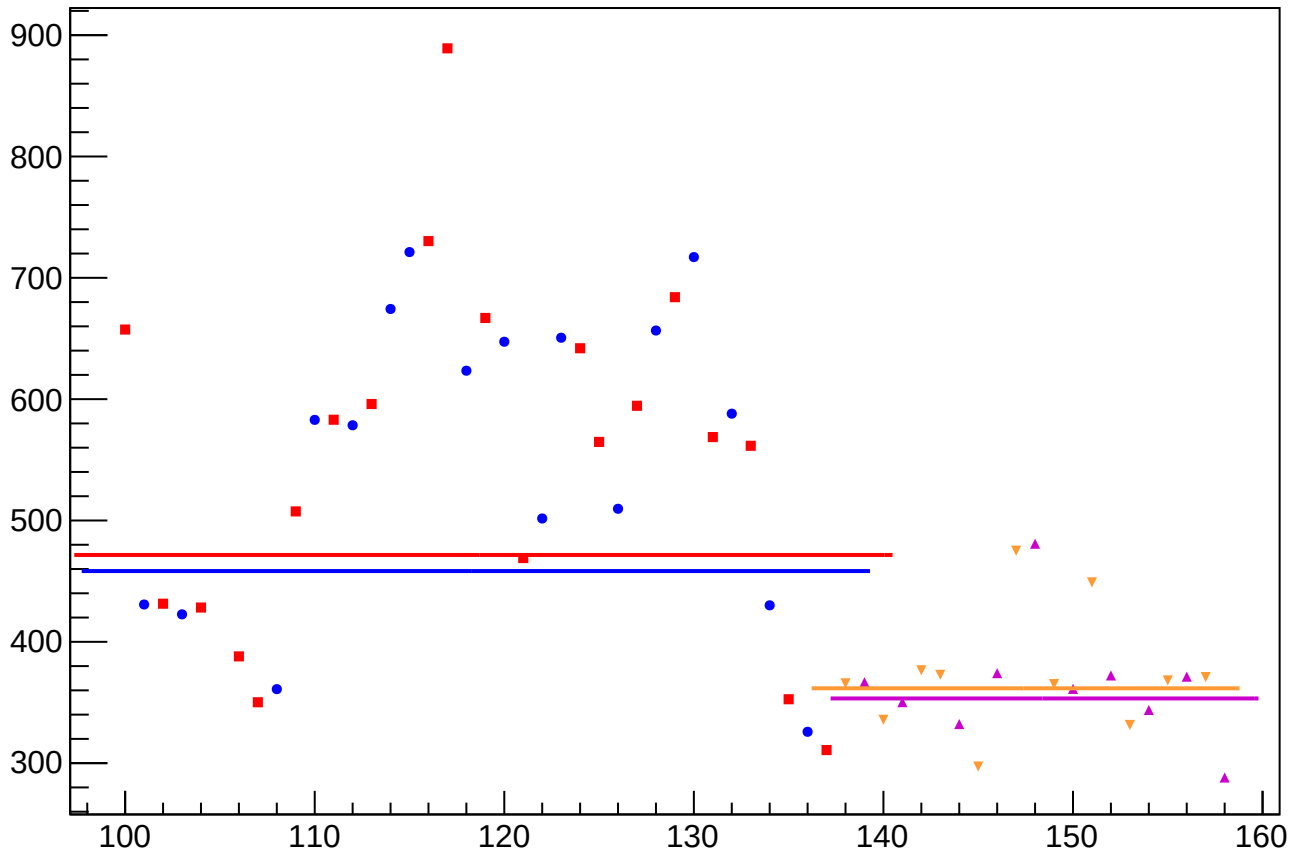
Right Out: 20.701+/-181.669 χ^2 /NDF: 16.2/19

Left In: 98.754+/-124.720 χ^2 /NDF:18.2/9

-159.289+/-105.084 χ^2 /NDF: 33.2/27

73.751+/-102.822 χ^2 /NDF: 34.6/29

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 458.324+/-0.130 χ^2/NDF : 877201.7/16

Left Out: 361.689+/-0.090 χ^2/NDF : 246507.9/10

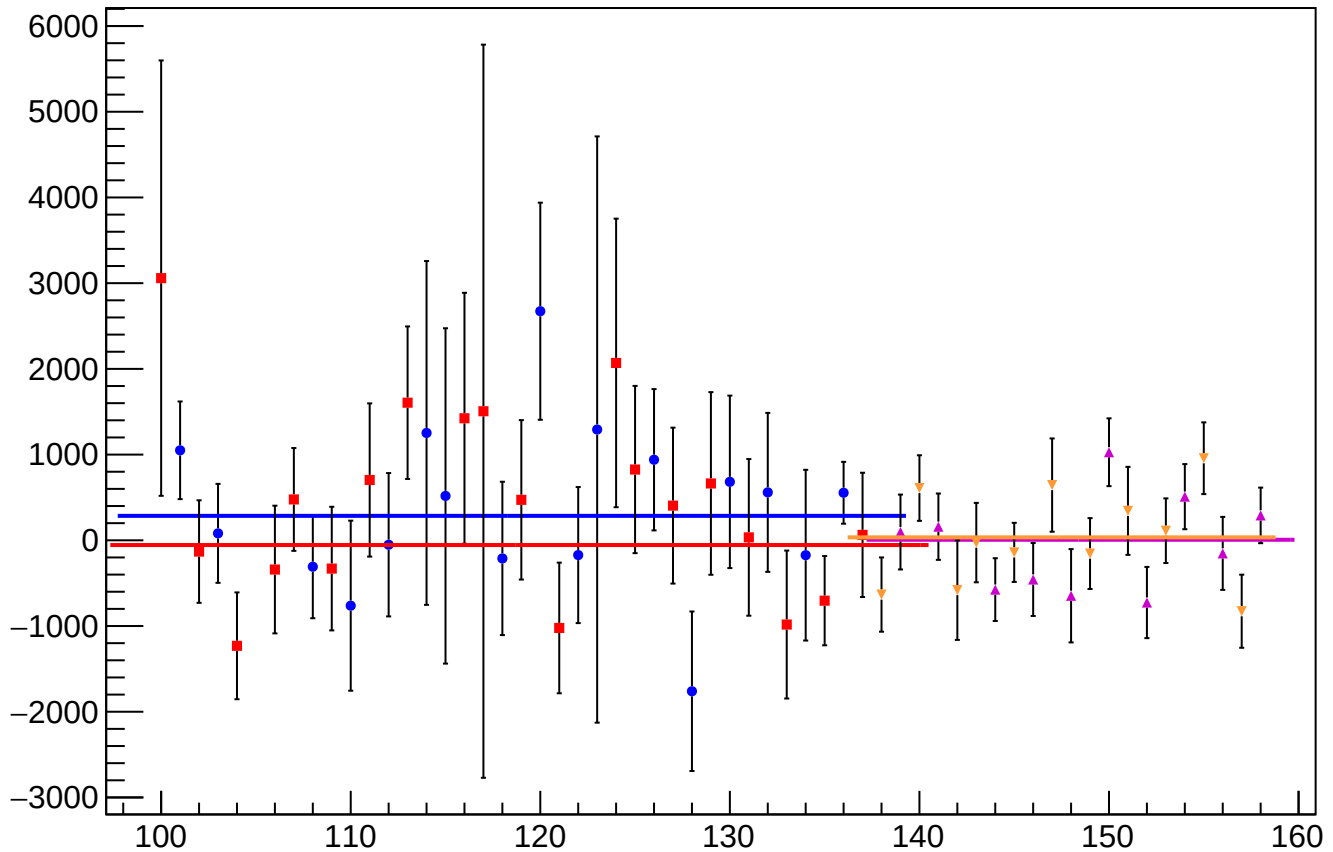
Right Out: 471.585+/-0.128 χ^2/NDF : 797816.0/19

Left In: 353.326+/-0.088 χ^2/NDF : 220271.4/9

393.177+/-0.074 χ^2/NDF : 1495238.9/27

391.209+/-0.073 χ^2/NDF : 1594099.0/29

asym_sam_13_57_dd_mean vs Slug



Right In: 285.349 ± 186.262 χ^2/NDF : 15.2/16

Left Out: 34.381 ± 129.686 χ^2/NDF : 16.9/10

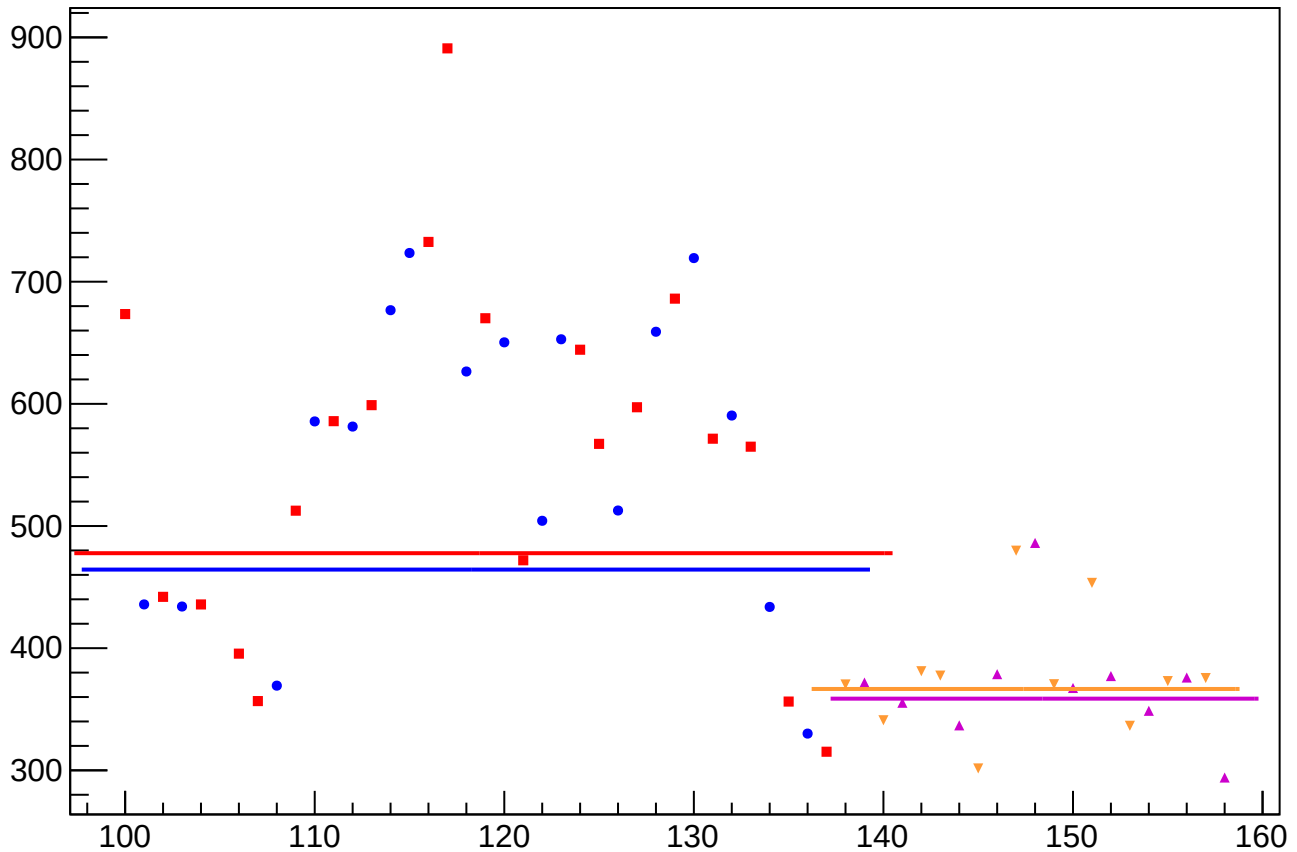
Right Out: -55.109 ± 183.903 χ^2/NDF : 19.3/19

Left In: 6.270 ± 126.564 χ^2/NDF : 17.8/9

116.321 ± 106.430 χ^2/NDF : 33.3/27

-13.457 ± 104.260 χ^2/NDF : 37.2/29

asym_sam_13_57_dd_rms vs Slug



Right In: 464.341 ± 0.132 χ^2/NDF : 845900.9/16

Left Out: 366.607 ± 0.092 χ^2/NDF : 240811.3/10

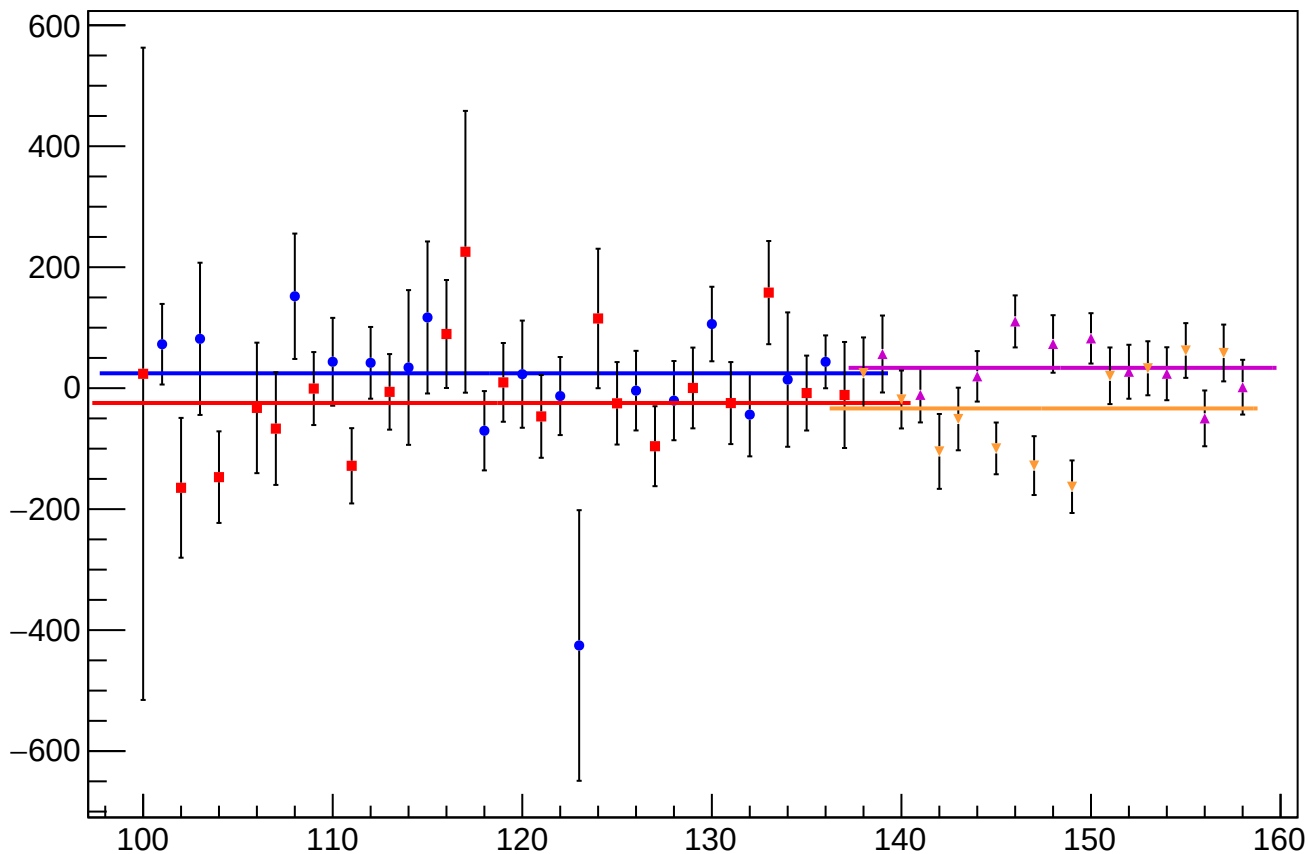
Right Out: 477.754 ± 0.130 χ^2/NDF : 768041.0/19

Left In: 358.679 ± 0.089 χ^2/NDF : 212278.0/9

398.517 ± 0.075 χ^2/NDF : 1457574.1/27

396.951 ± 0.074 χ^2/NDF : 1549306.7/29

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 24.584 ± 17.839 $\chi^2/\text{NDF}: 13.0/16$

Left Out: -33.526 ± 14.500 $\chi^2/\text{NDF}: 29.4/10$

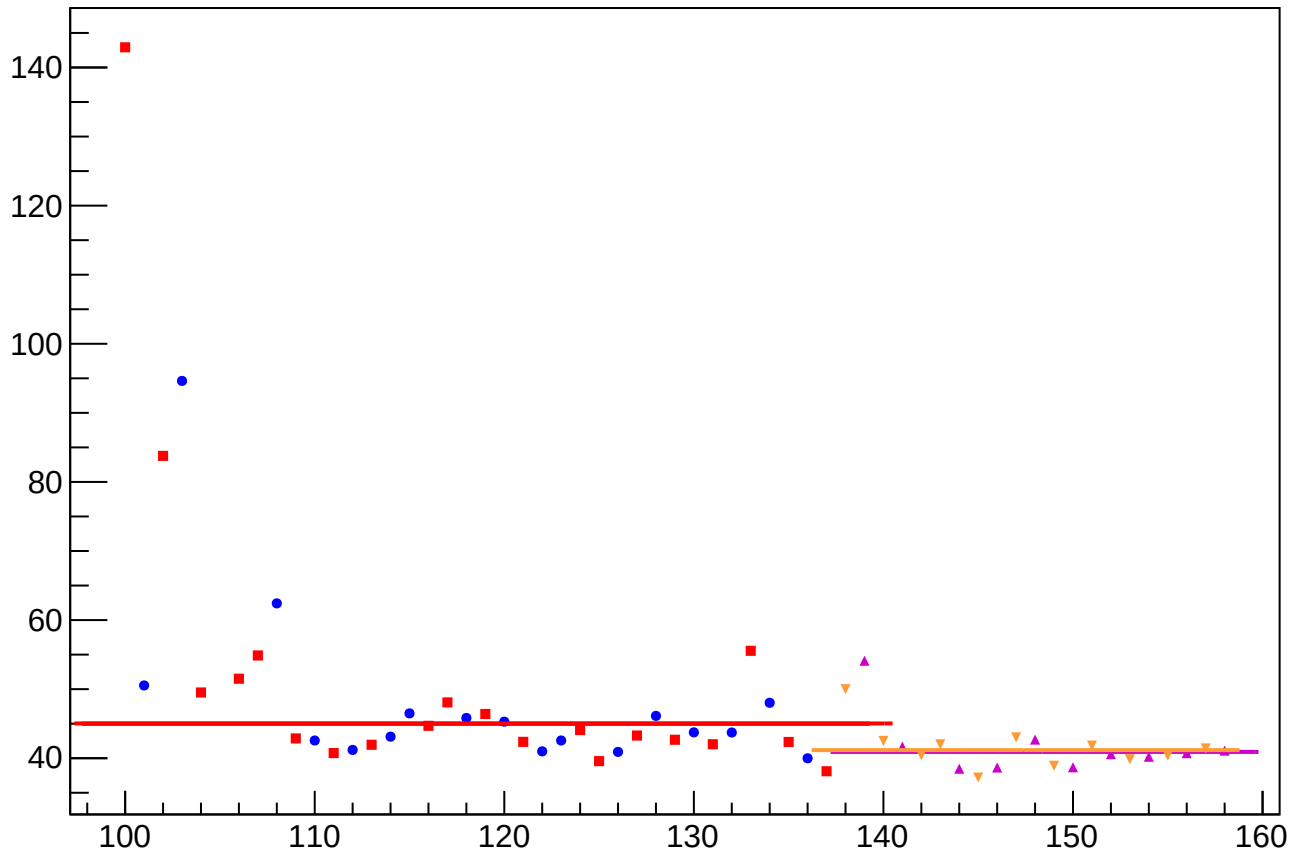
Right Out: -24.491 ± 17.338 $\chi^2/\text{NDF}: 18.0/19$

Left In: 33.603 ± 14.368 $\chi^2/\text{NDF}: 10.3/9$

-10.408 ± 11.252 $\chi^2/\text{NDF}: 48.8/27$

9.951 ± 11.063 $\chi^2/\text{NDF}: 34.9/29$

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 45.001 $\pm$ 0.013 χ^2 /NDF: 438352.8/16

Left Out: 41.171 $\pm$ 0.010 χ^2 /NDF: 75397.4/10

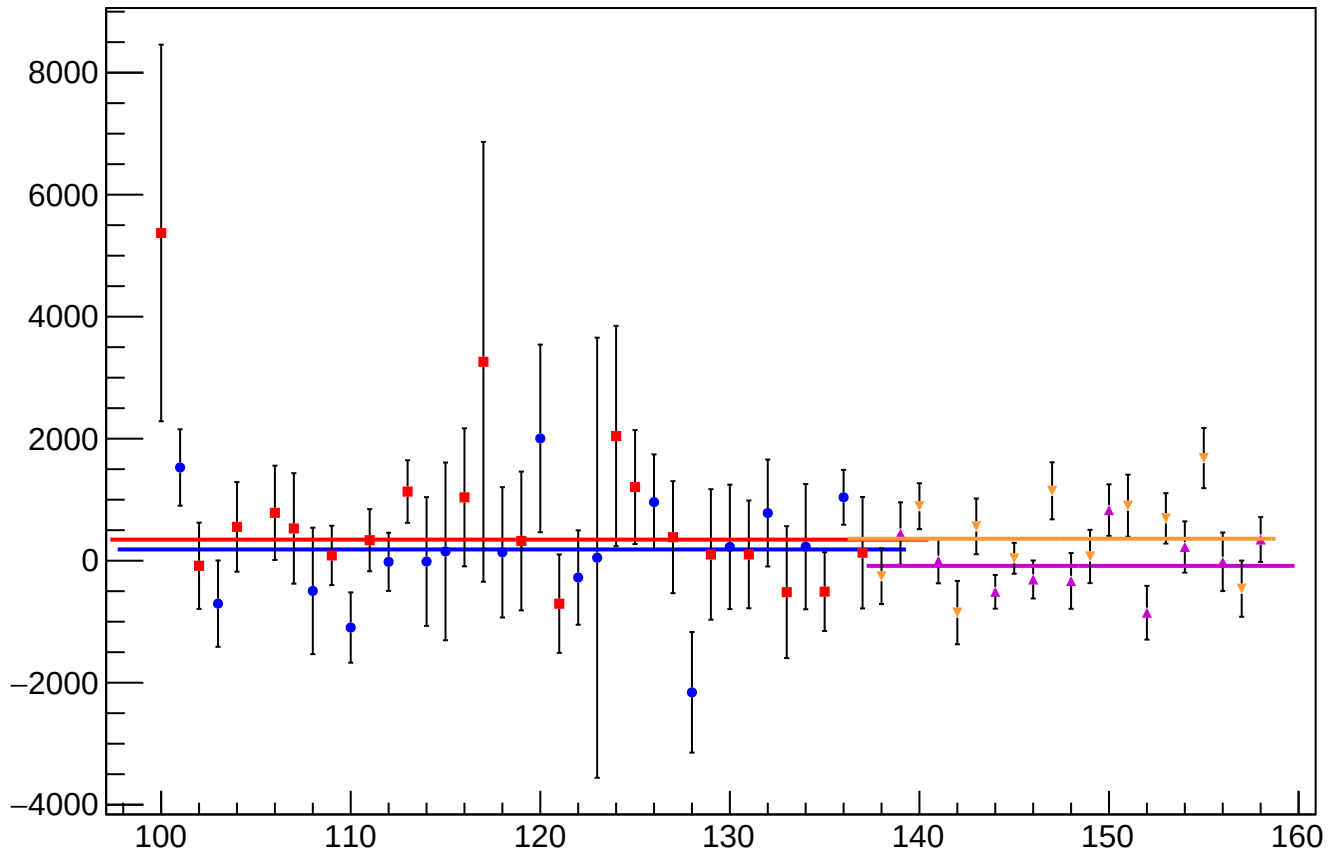
Right Out: 45.034 $\pm$ 0.012 χ^2 /NDF: 415853.3/19

Left In: 40.915 $\pm$ 0.010 χ^2 /NDF: 108207.3/9

42.695 $\pm$ 0.008 χ^2 /NDF: 569266.9/27

42.592 $\pm$ 0.008 χ^2 /NDF: 590990.5/29

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 184.184 ± 188.558 χ^2/NDF : 24.2/16

Left Out: 359.918 ± 124.622 χ^2/NDF : 26.5/10

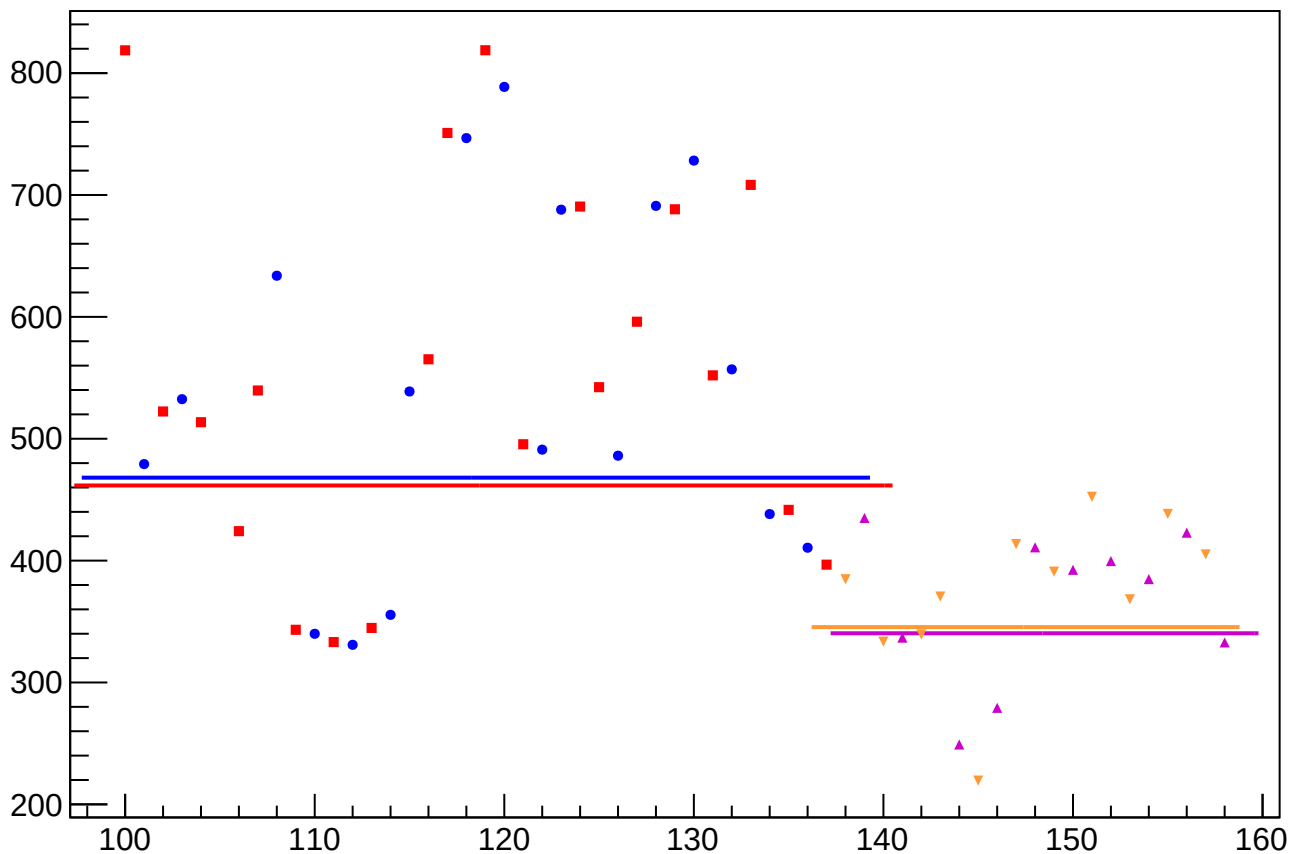
Right Out: 345.548 ± 179.160 χ^2/NDF : 13.1/19

Left In: -85.180 ± 121.640 χ^2/NDF : 14.0/9

306.492 ± 103.967 χ^2/NDF : 51.3/27

50.725 ± 100.637 χ^2/NDF : 31.1/29

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 468.071 $\pm$ 0.133 χ^2 /NDF: 880319.3/16

Left Out: 345.445 $\pm$ 0.088 χ^2 /NDF: 781306.5/10

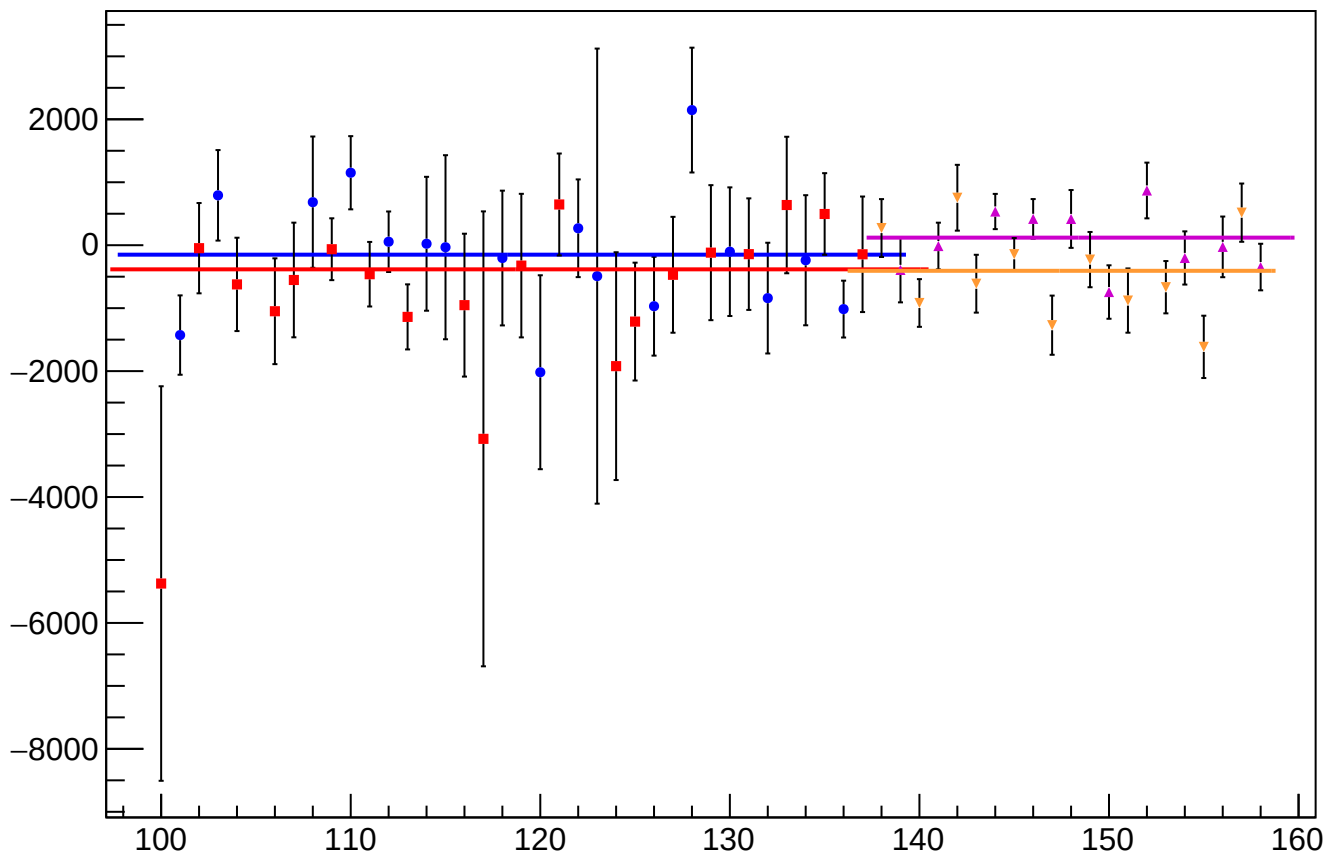
Right Out: 461.656 $\pm$ 0.127 χ^2 /NDF: 967939.5/19

Left In: 340.383 $\pm$ 0.086 χ^2 /NDF: 560674.7/9

382.726 $\pm$ 0.074 χ^2 /NDF: 2250340.1/27

378.648 $\pm$ 0.071 χ^2 /NDF: 2155852.2/29

asym_sam_15_37_dd_mean vs Slug



Right In: -150.305 ± 189.729 χ^2/NDF : 24.2/16

Left Out: -406.584 ± 125.638 χ^2/NDF : 24.9/10

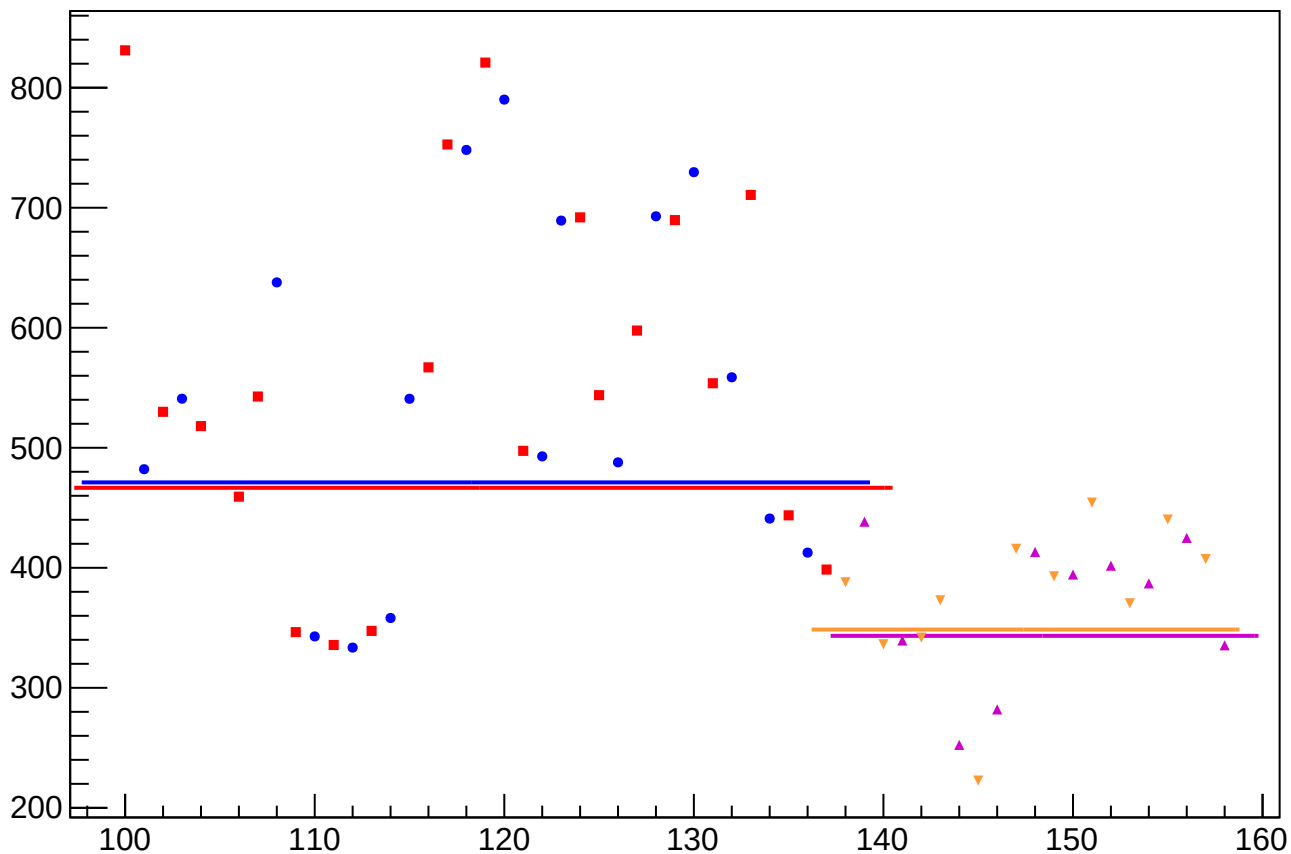
Right Out: -383.331 ± 181.030 χ^2/NDF : 13.0/19

Left In: 120.198 ± 122.616 χ^2/NDF : 13.9/9

-328.461 ± 104.753 χ^2/NDF : 50.4/27

-38.157 ± 101.521 χ^2/NDF : 32.2/29

asym_sam_15_37_dd_rms vs Slug



Right In: 471.156+/-0.134 χ^2/NDF : 871832.5/16

Left Out: 348.560+/-0.089 χ^2/NDF : 756399.4/10

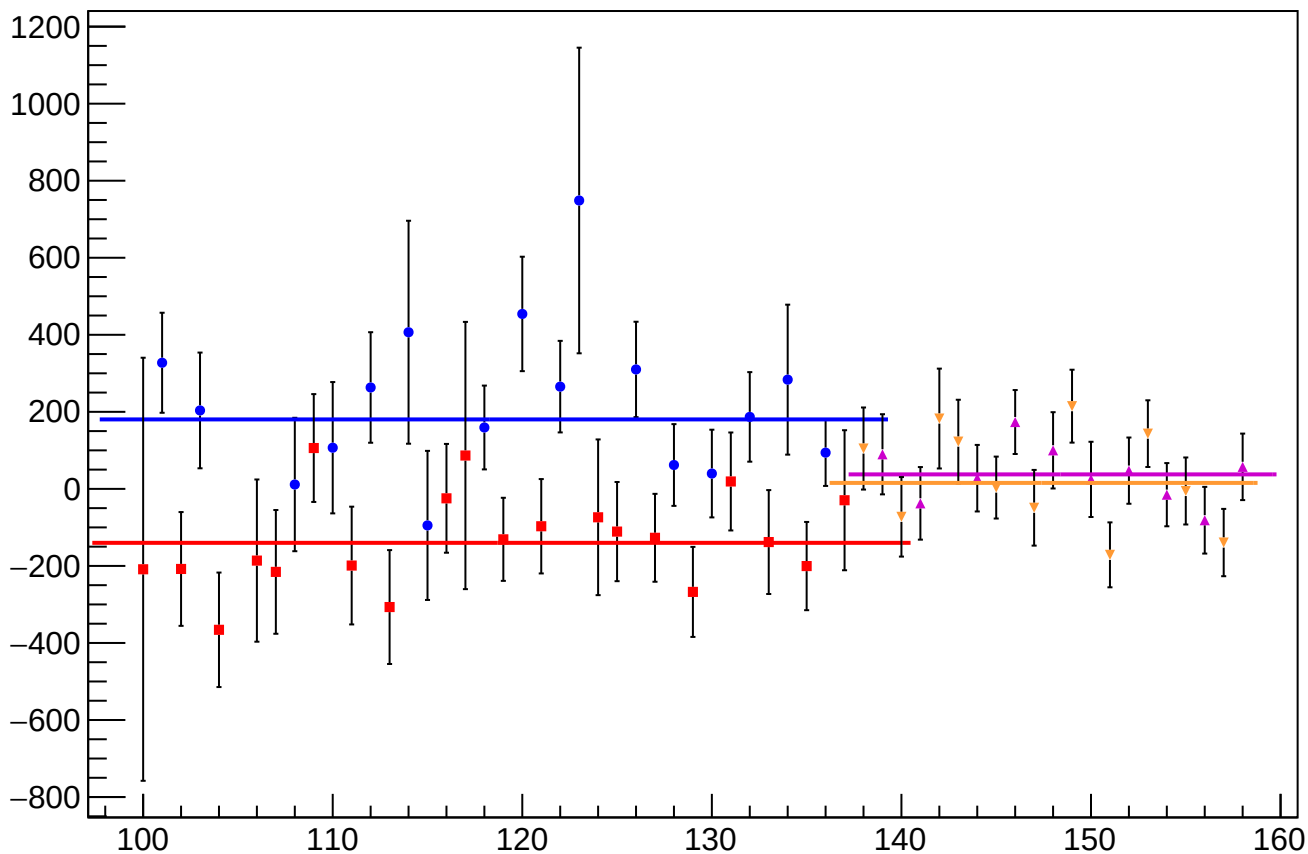
Right Out: 466.655+/-0.128 χ^2/NDF : 953088.6/19

Left In: 343.327+/-0.087 χ^2/NDF : 544713.8/9

385.931+/-0.074 χ^2/NDF : 2208739.7/27

382.112+/-0.072 χ^2/NDF : 2134112.6/29

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 180.326+/-32.769 χ^2/NDF : 16.6/16

Left Out: 15.520+/-28.473 χ^2/NDF : 19.2/10

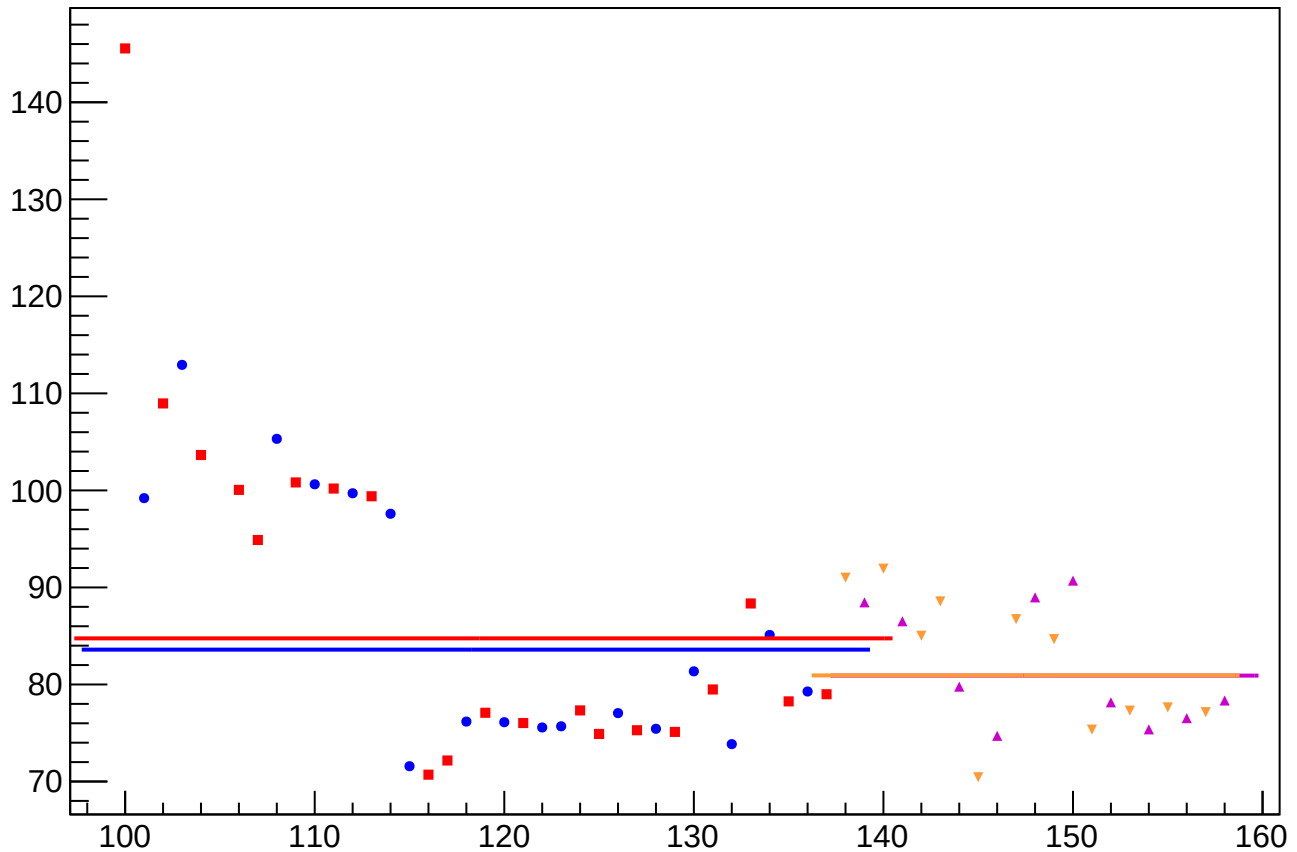
Right Out: -140.070+/-32.198 χ^2/NDF : 12.1/19

Left In: 37.624+/-28.370 χ^2/NDF : 6.4/9

86.418+/-21.493 χ^2/NDF : 50.2/27

-40.036+/-21.286 χ^2/NDF : 35.6/29

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 83.591+/-0.023 χ^2/NDF : 255921.7/16

Left Out: 80.934+/-0.020 χ^2/NDF :115526.8/10

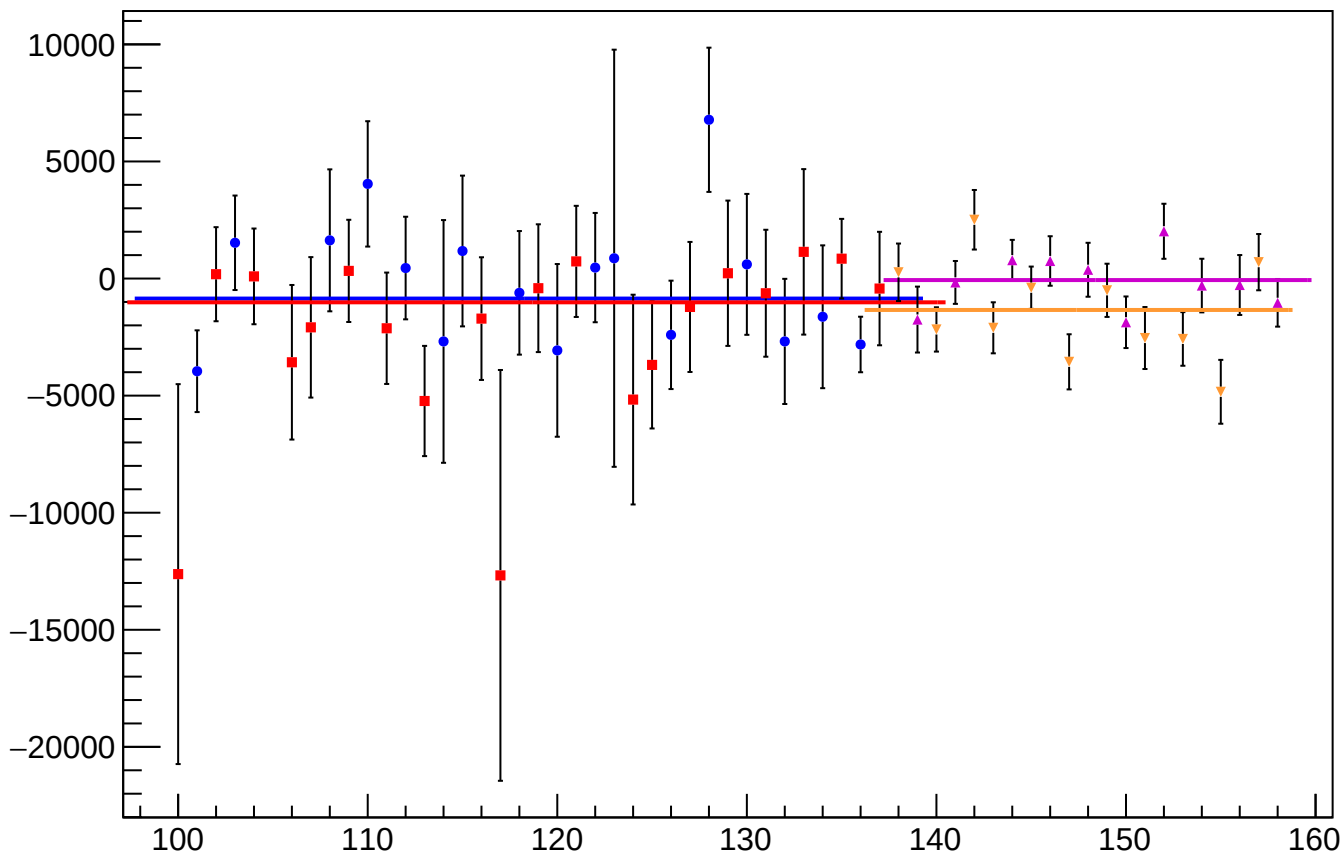
Right Out: 84.752+/-0.023 χ^2/NDF : 293262.6/19

Left In: 80.914+/-0.020 χ^2/NDF :80553.0/9

82.077+/-0.015 χ^2/NDF : 378936.6/27

82.591+/-0.015 χ^2/NDF : 389812.3/29

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -855.308 ± 583.290 χ^2/NDF : 20.3/16

Left Out: -1341.692 ± 342.429 χ^2/NDF : 28.8/10

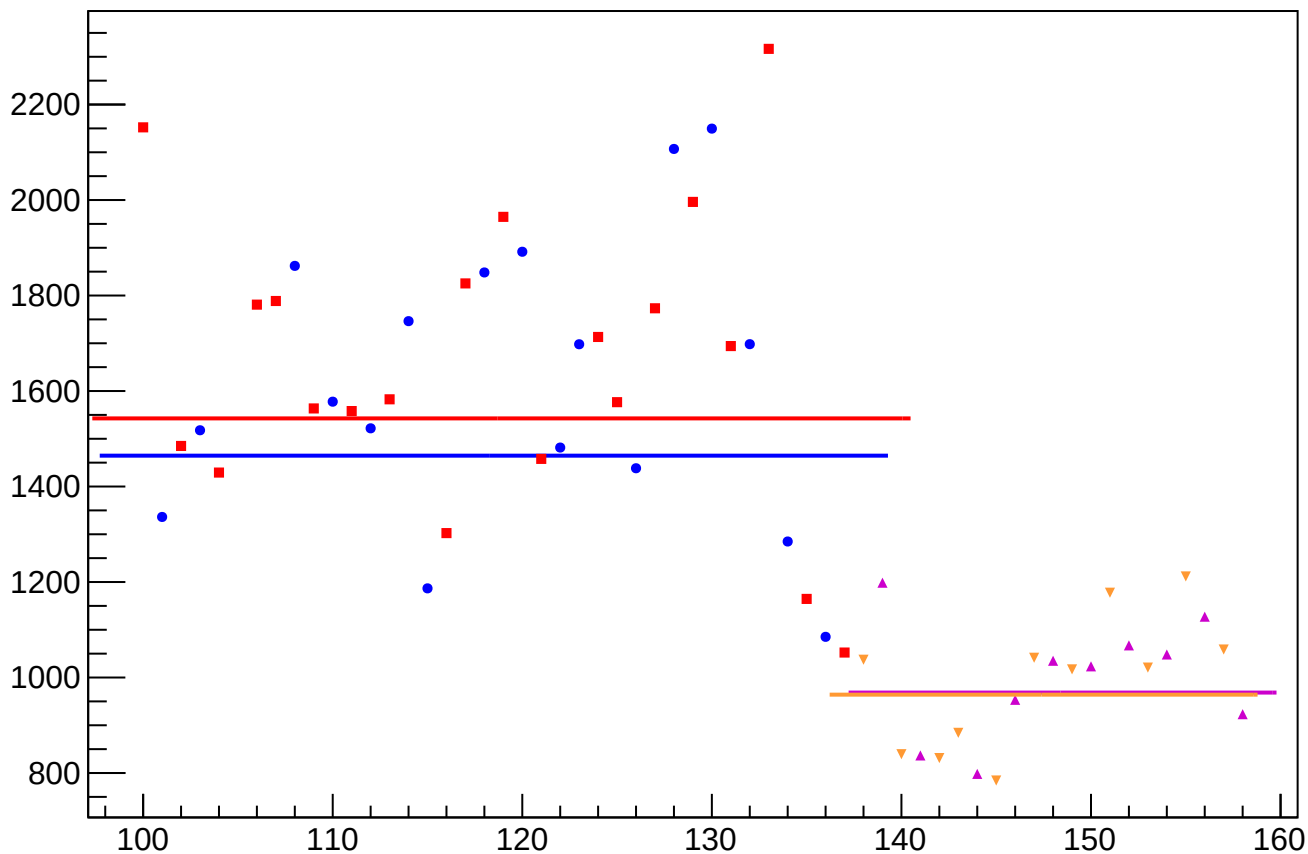
Right Out: -1015.523 ± 587.747 χ^2/NDF : 13.3/19

Left In: -65.256 ± 341.655 χ^2/NDF : 10.0/9

-1217.028 ± 295.302 χ^2/NDF : 49.6/27

-305.258 ± 295.376 χ^2/NDF : 25.2/29

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1464.636+/-0.412 χ^2/NDF : 560863.4/16

Left Out: 964.121+/-0.242 χ^2/NDF : 301917.9/10

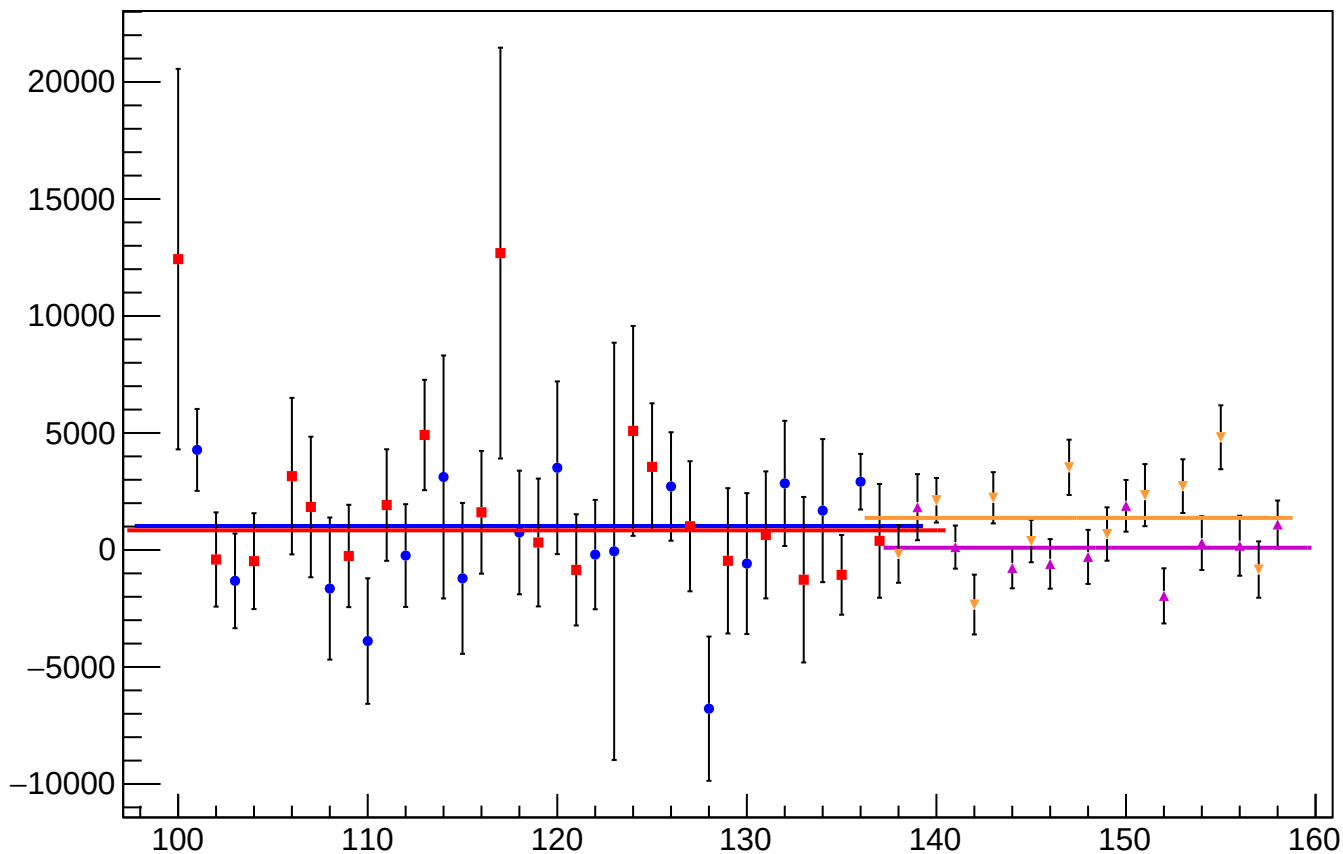
Right Out: 1542.663+/-0.416 χ^2/NDF : 455797.2/19

Left In: 968.477+/-0.242 χ^2/NDF : 242839.1/9

1092.408+/-0.209 χ^2/NDF : 1957963.9/27

1113.495+/-0.209 χ^2/NDF : 2125325.5/29

asym_sam_24_68_dd_mean vs Slug



Right In: 1025.527 $\pm$ 584.500 χ^2 /NDF: 20.9/16

Left Out: 1370.000 $\pm$ 343.795 χ^2 /NDF: 27.7/10

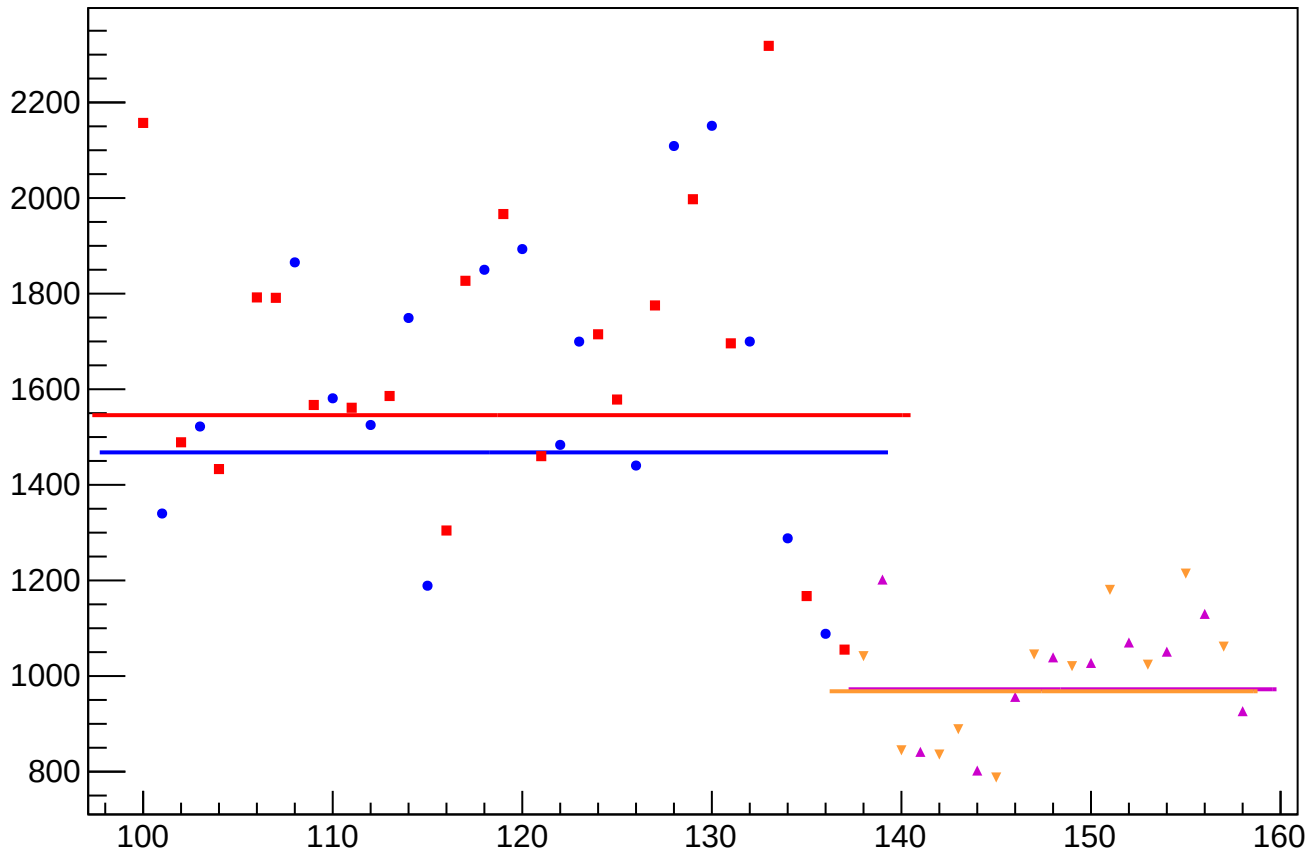
Right Out: 840.586 $\pm$ 589.057 χ^2 /NDF: 13.0/19

Left In: 95.634 $\pm$ 342.960 χ^2 /NDF: 9.7/9

1281.457 $\pm$ 296.335 χ^2 /NDF: 48.9/27

284.227 $\pm$ 296.385 χ^2 /NDF: 23.9/29

asym_sam_24_68_dd_rms vs Slug



Right In: 1467.905+/-0.413 χ^2/NDF : 557458.9/16

Left Out: 968.166+/-0.243 χ^2/NDF : 297332.3/10

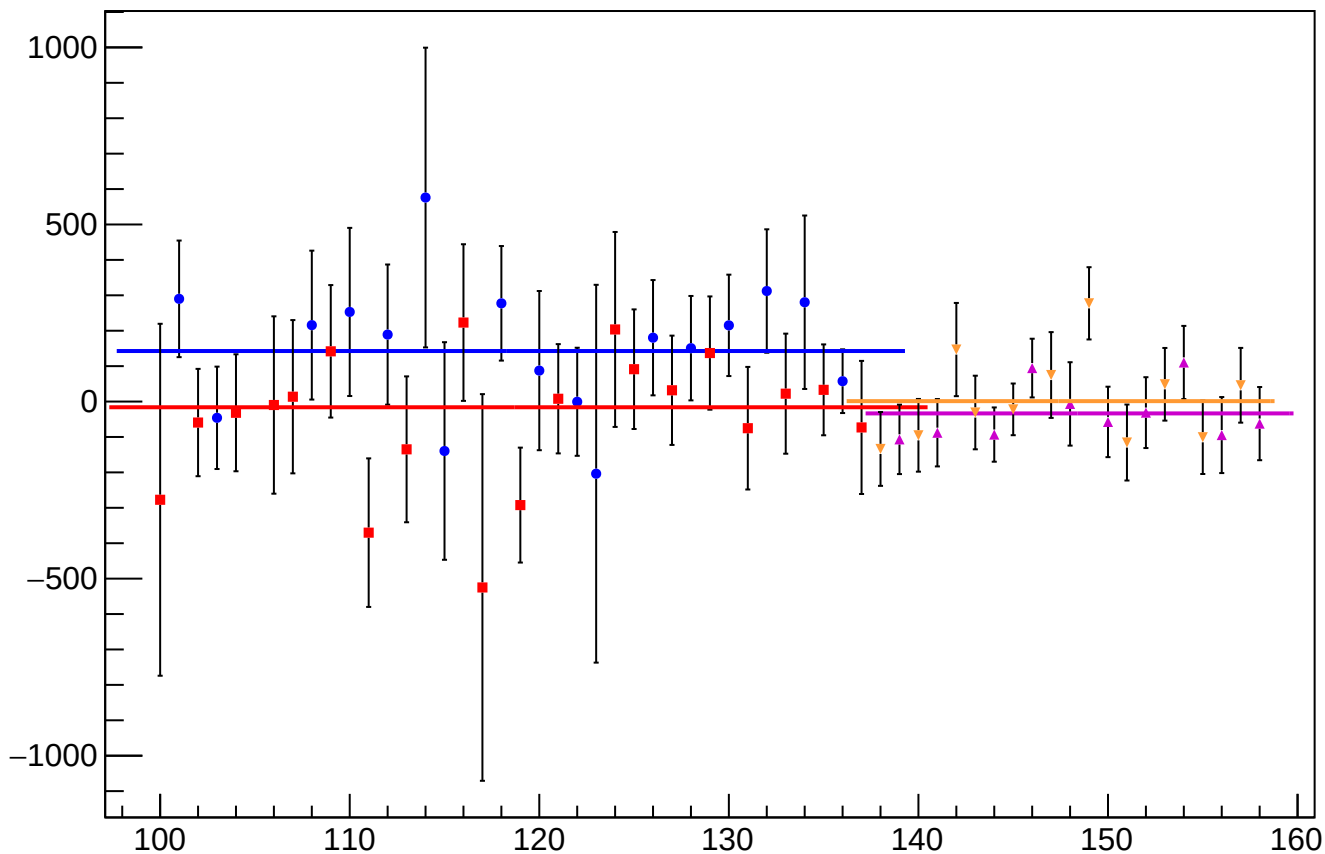
Right Out: 1545.785+/-0.417 χ^2/NDF : 453865.6/19

Left In: 972.318+/-0.243 χ^2/NDF : 239150.8/9

1096.618+/-0.210 χ^2/NDF : 1941003.2/27

1117.498+/-0.210 χ^2/NDF : 2108674.1/29

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 142.683 $\pm$ 41.625 χ^2 /NDF: 9.3/16

Left Out: 1.171 $\pm$ 30.805 χ^2 /NDF:14.2/10

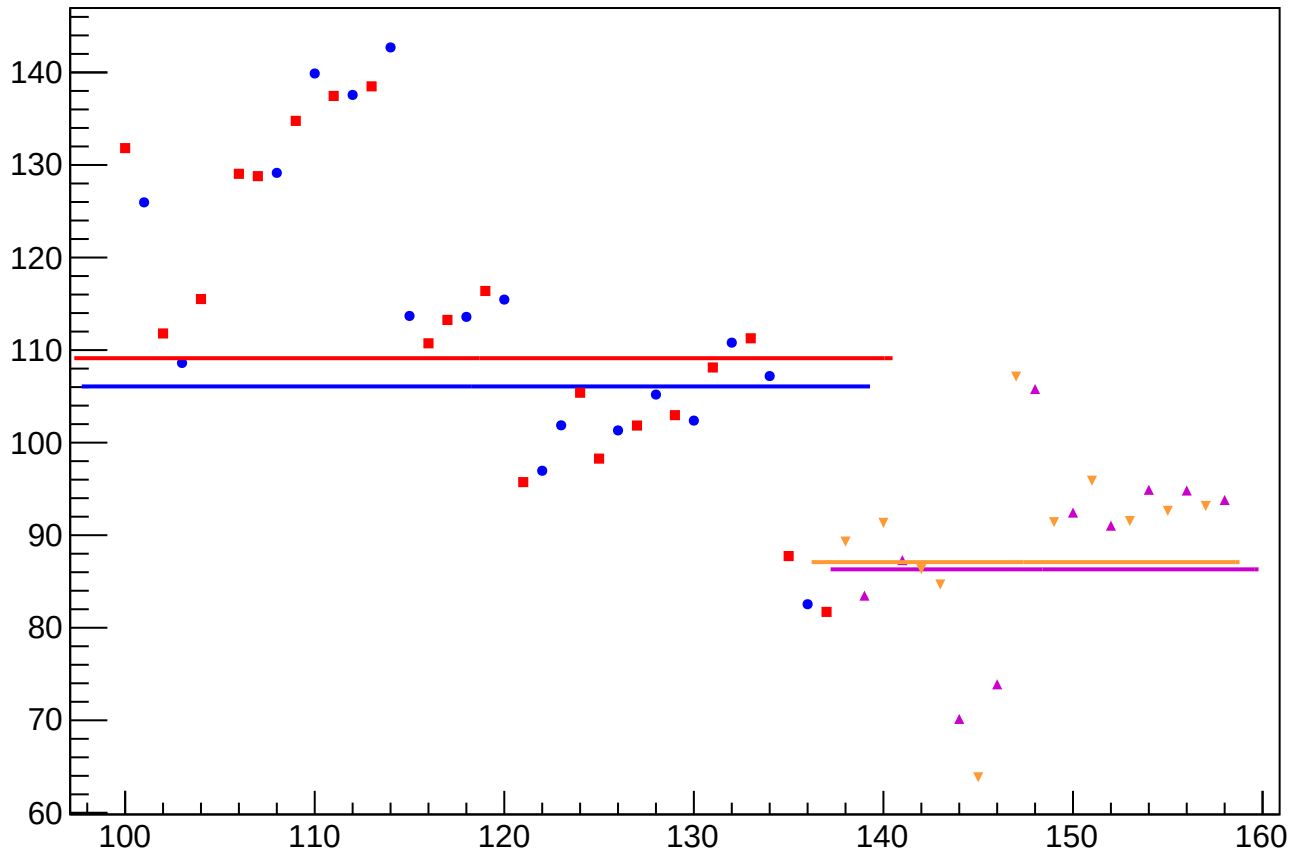
Right Out: -16.103 $\pm$ 41.277 χ^2 /NDF: 11.7/19

Left In: -33.473 $\pm$ 30.459 χ^2 /NDF:6.3/9

51.249 $\pm$ 24.762 χ^2 /NDF: 31.0/27

-27.349 $\pm$ 24.509 χ^2 /NDF: 18.2/29

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 106.074+/-0.029 χ^2/NDF : 317907.9/16

Left Out: 87.090+/-0.022 χ^2/NDF : 296315.1/10

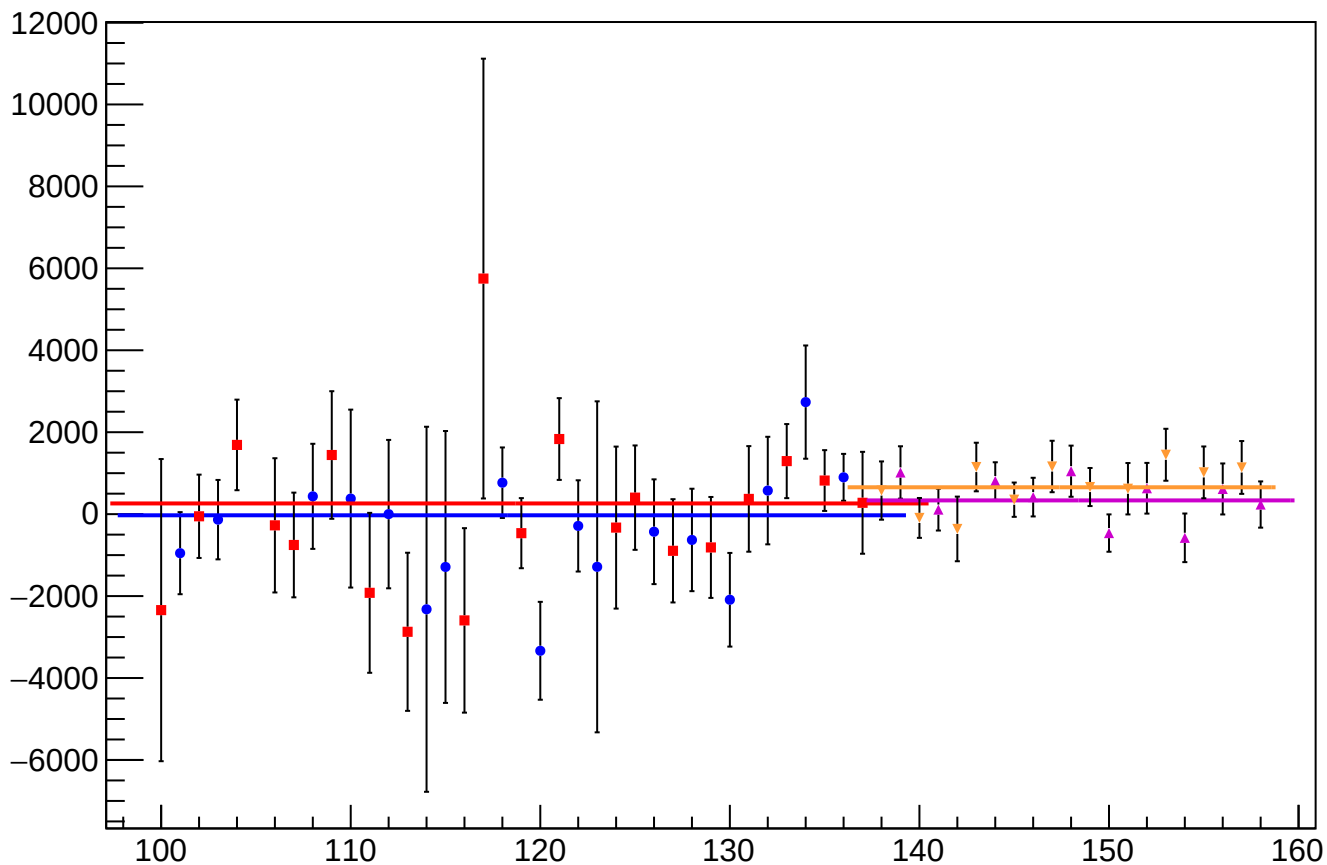
Right Out: 109.124+/-0.029 χ^2/NDF : 285510.2/19

Left In: 86.309+/-0.022 χ^2/NDF : 239569.3/9

93.808+/-0.018 χ^2/NDF : 882991.3/27

94.353+/-0.017 χ^2/NDF : 920664.2/29

asym_sam_26_48_dd_correction_mean vs Slug



Right In: -27.969 ± 283.741 χ^2/NDF : 20.5/16

Left Out: 655.822 ± 172.862 χ^2/NDF : 8.4/10

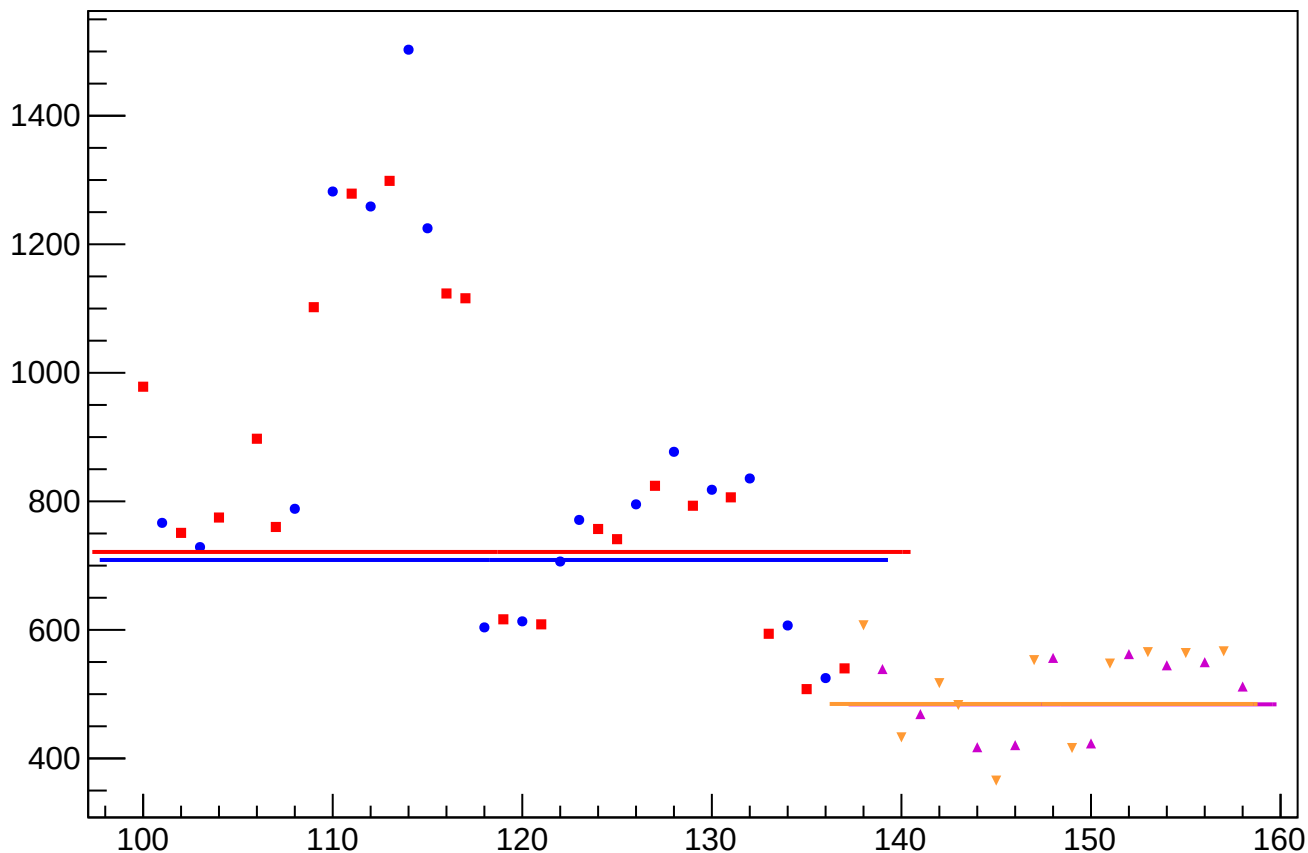
Right Out: 261.265 ± 279.073 χ^2/NDF : 16.9/19

Left In: 335.252 ± 171.301 χ^2/NDF : 9.6/9

470.728 ± 147.624 χ^2/NDF : 33.1/27

315.004 ± 145.992 χ^2/NDF : 26.6/29

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 708.784+/-0.201 χ^2/NDF : 793538.1/16

Left Out: 484.737+/-0.122 χ^2/NDF : 431047.3/10

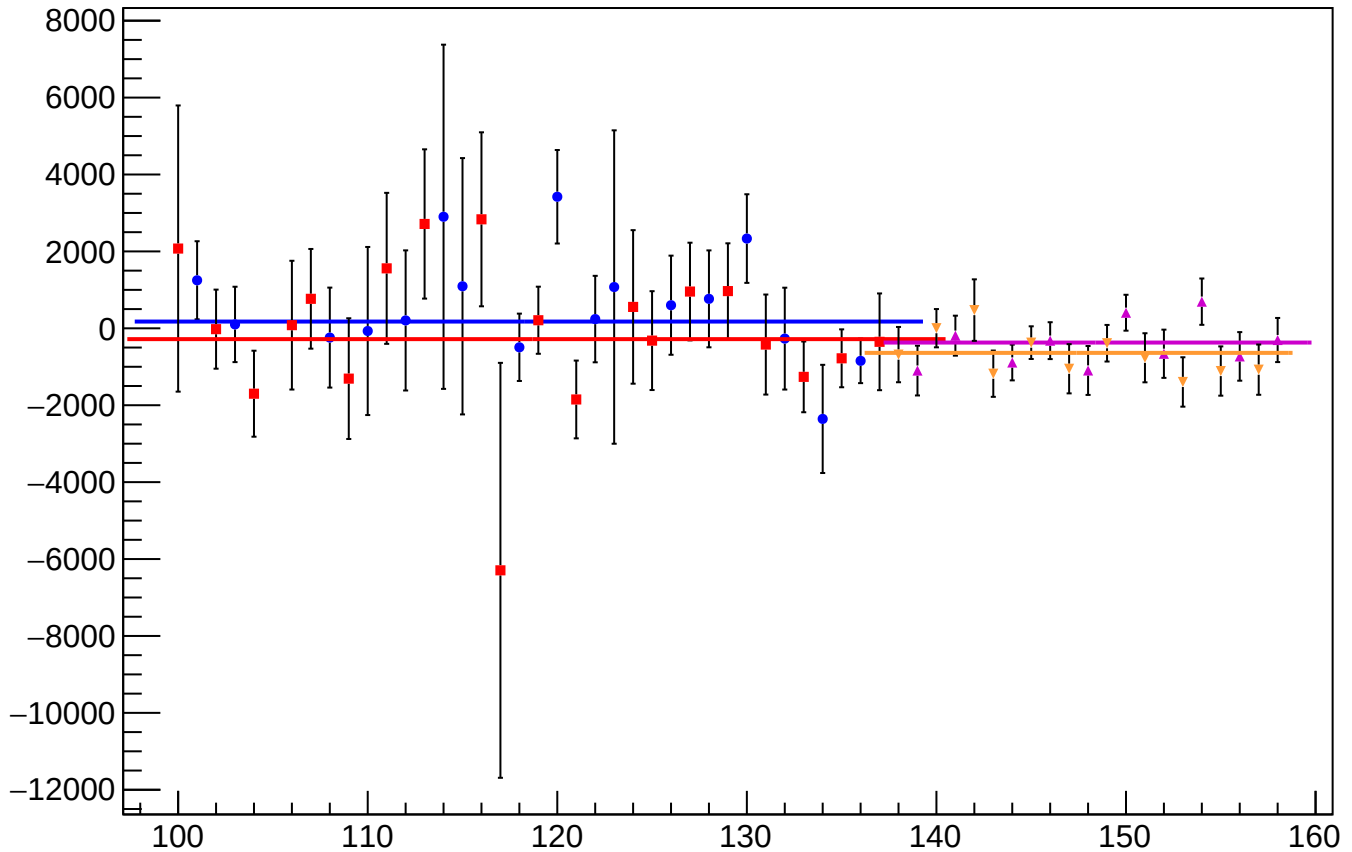
Right Out: 721.271+/-0.197 χ^2/NDF : 910781.0/19

Left In: 484.149+/-0.121 χ^2/NDF : 237349.8/9

545.384+/-0.104 χ^2/NDF : 2134033.7/27

549.041+/-0.103 χ^2/NDF : 2196886.6/29

asym_sam_26_48_dd_mean vs Slug



Right In: 175.854 $\pm$ 287.218 χ^2 /NDF: 19.7/16

Left Out: -638.552 $\pm$ 175.821 χ^2 /NDF: 7.9/10

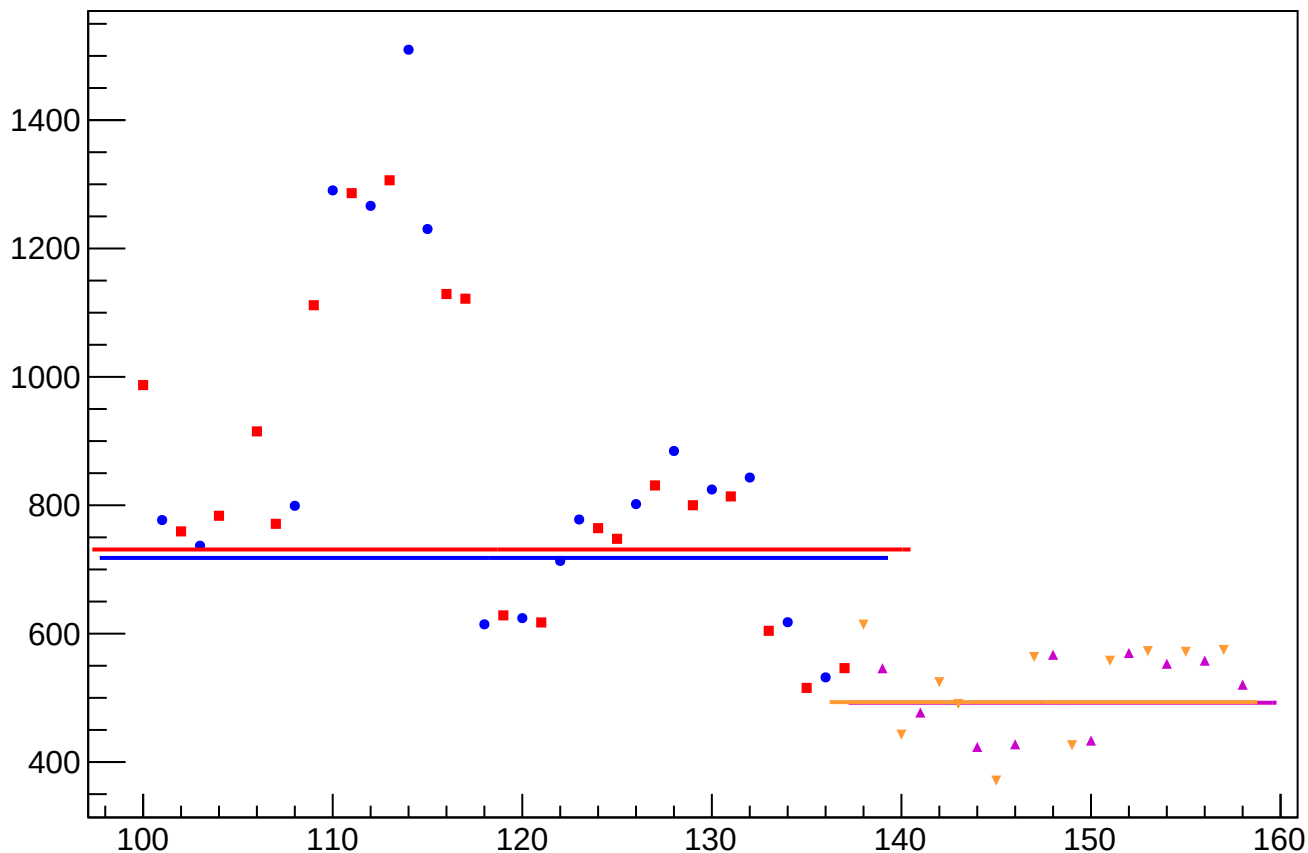
Right Out: -281.173 $\pm$ 282.685 χ^2 /NDF: 16.1/19

Left In: -370.349 $\pm$ 174.157 χ^2 /NDF: 10.4/9

-416.558 $\pm$ 149.955 χ^2 /NDF: 33.5/27

-345.814 $\pm$ 148.276 χ^2 /NDF: 26.5/29

asym_sam_26_48_dd_rms vs Slug



Right In: 717.973+/-0.203 χ^2/NDF : 778580.1/16

Left Out: 493.314+/-0.124 χ^2/NDF : 421388.3/10

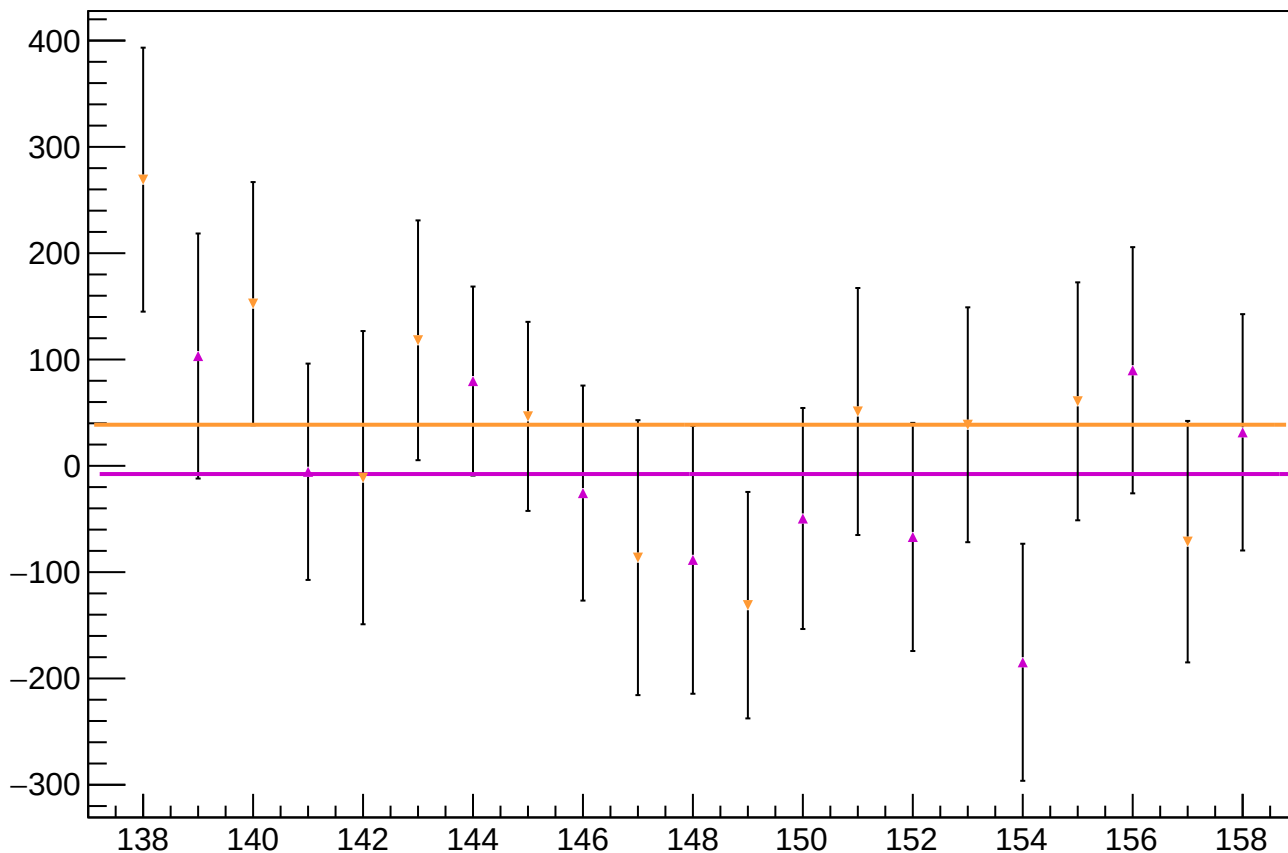
Right Out: 731.116+/-0.200 χ^2/NDF : 892357.6/19

Left In: 492.376+/-0.123 χ^2/NDF : 232693.9/9

554.552+/-0.106 χ^2/NDF : 2090069.0/27

558.060+/-0.105 χ^2/NDF : 2159079.9/29

reg_asym_sam_1548_avg_mean vs Slug



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

Left Out: 38.663+/-34.090 χ^2/NDF : 9.5/10

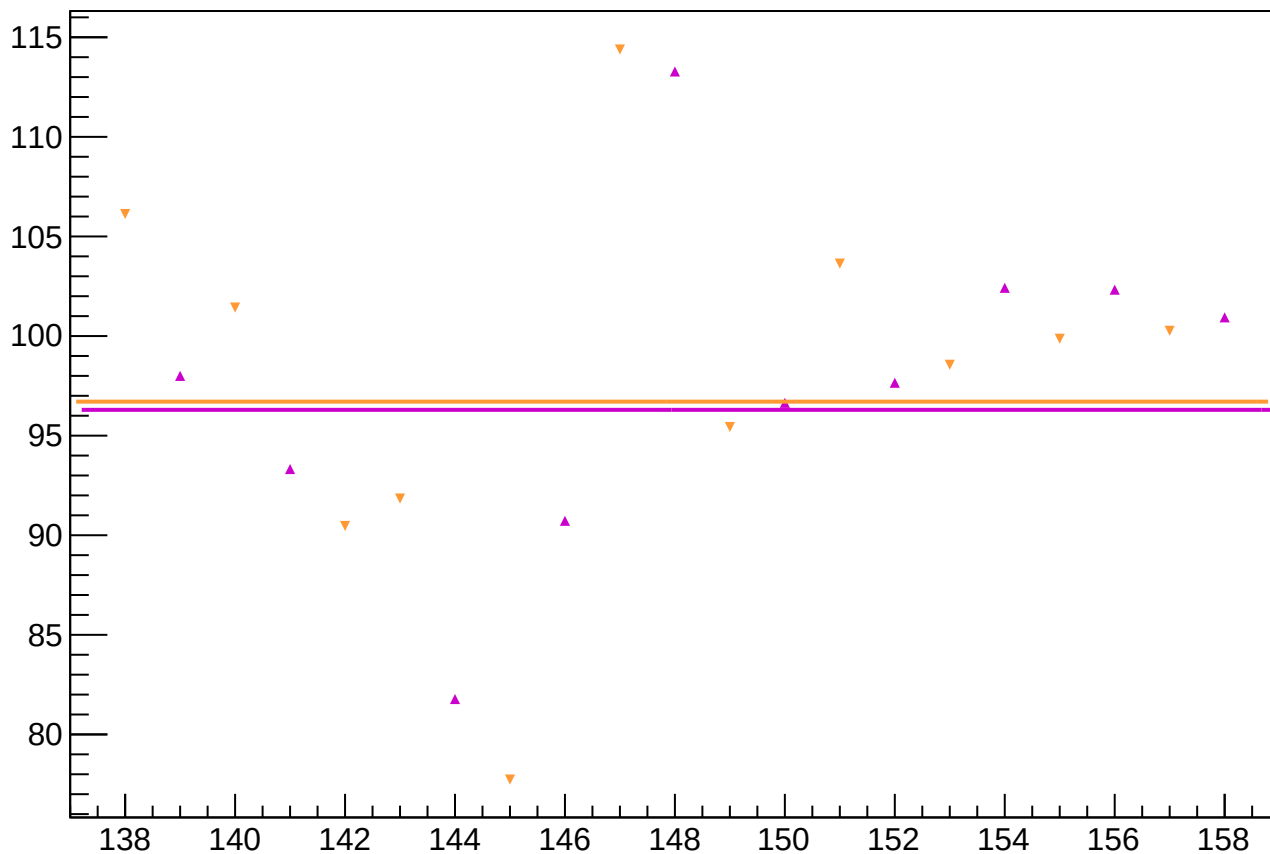
38.663+/-34.090 χ^2/NDF : 9.5/10

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

-7.720+/-33.812 χ^2/NDF : 6.2/9

Left In: -7.720+/-33.812 χ^2/NDF : 6.2/9

reg_asym_sam_1548_avg_rms vs Slug



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

Left Out: 96.707+/-0.024 χ^2/NDF :162699.9/10

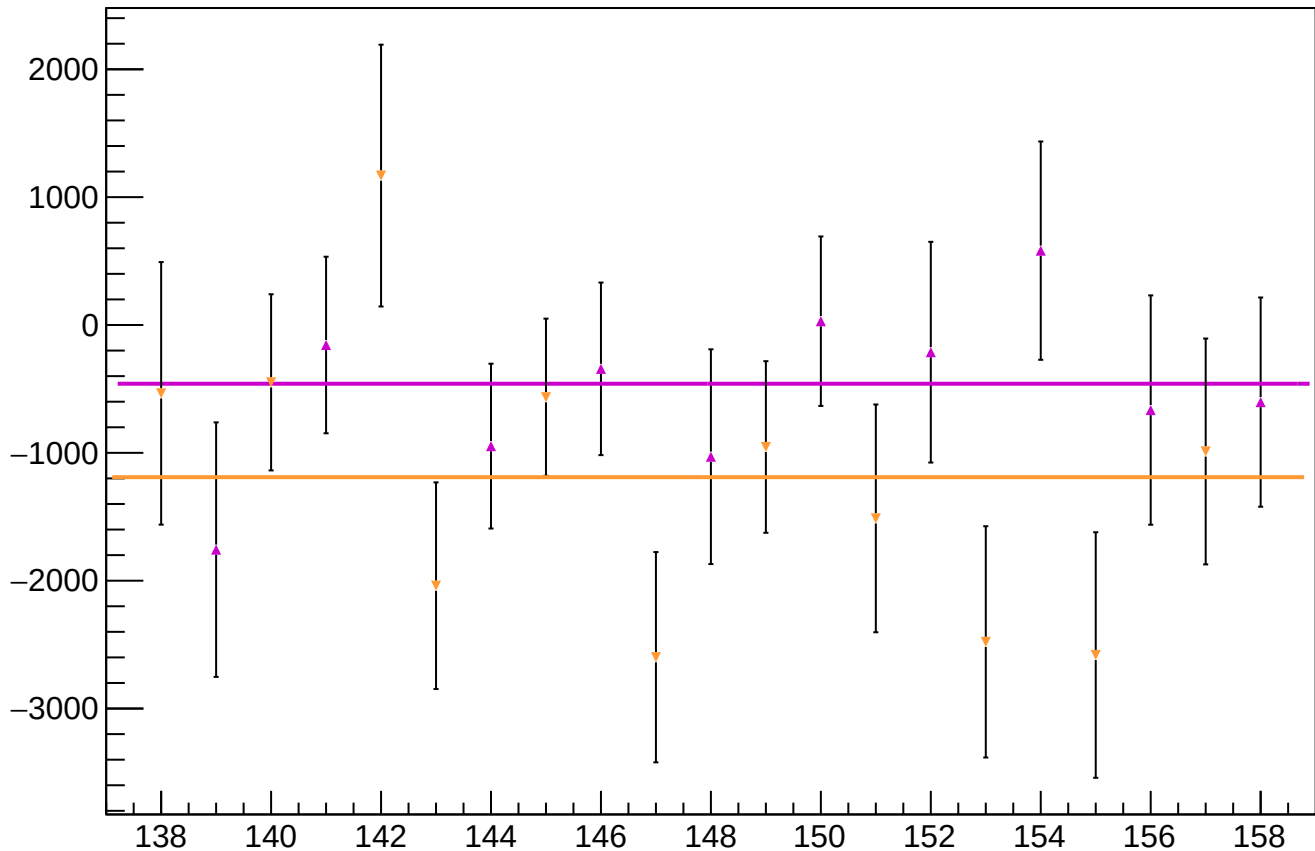
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 96.295+/-0.024 χ^2/NDF :113248.8/9

96.707+/-0.024 χ^2/NDF : 162699.9/10

96.295+/-0.024 χ^2/NDF : 113248.8/9

asym_sam_1548_avg_correction_mean vs Slug



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

Left Out: -1190.316+/-244.451 χ^2/NDF : 16.4/10

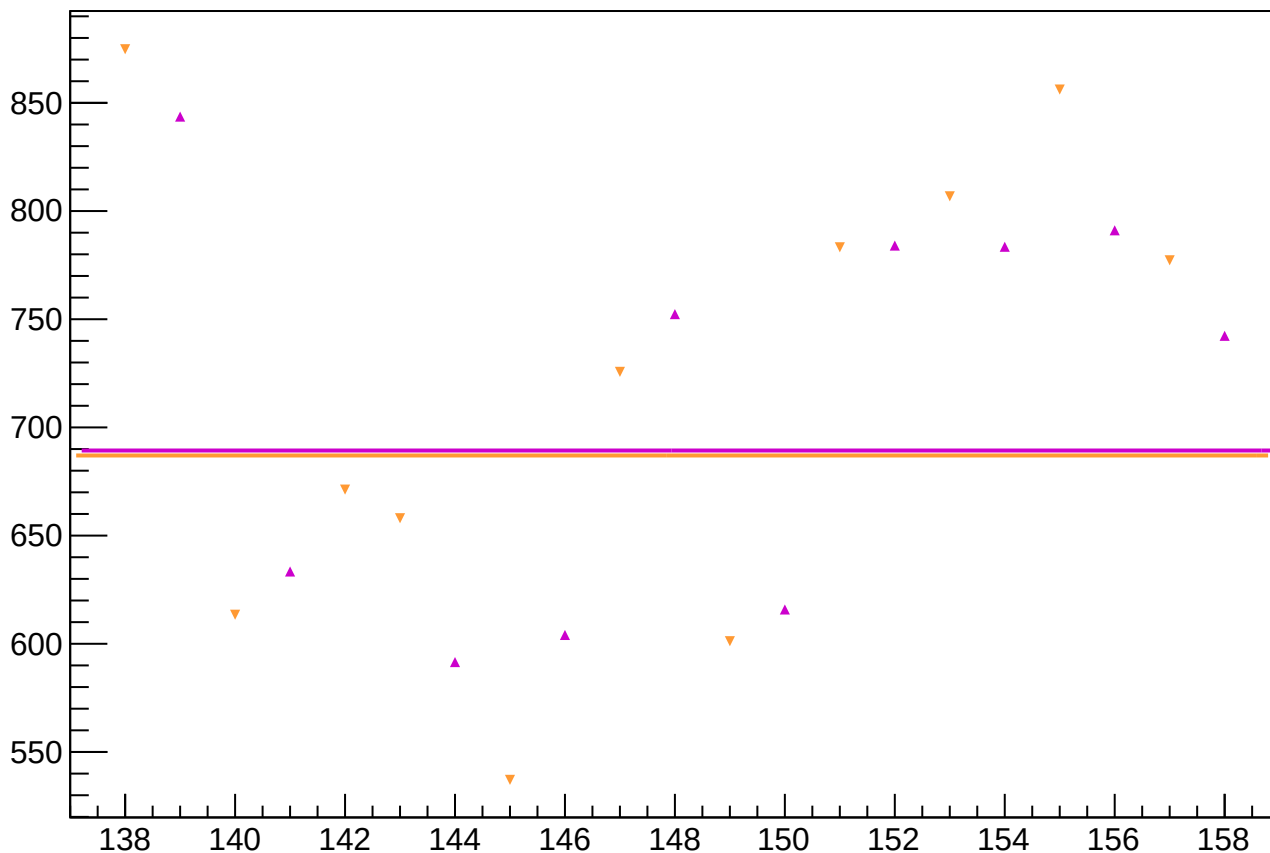
-1190.316+/-244.451 χ^2/NDF : 16.4/10

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

-459.407+/-243.582 χ^2/NDF : 5.2/9

Left In: -459.407+/-243.582 χ^2/NDF : 5.2/9

asym_sam_1548_avg_correction_rms vs Slug



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

Left Out: 687.029+/-0.173 χ^2/NDF : 390148.5/10

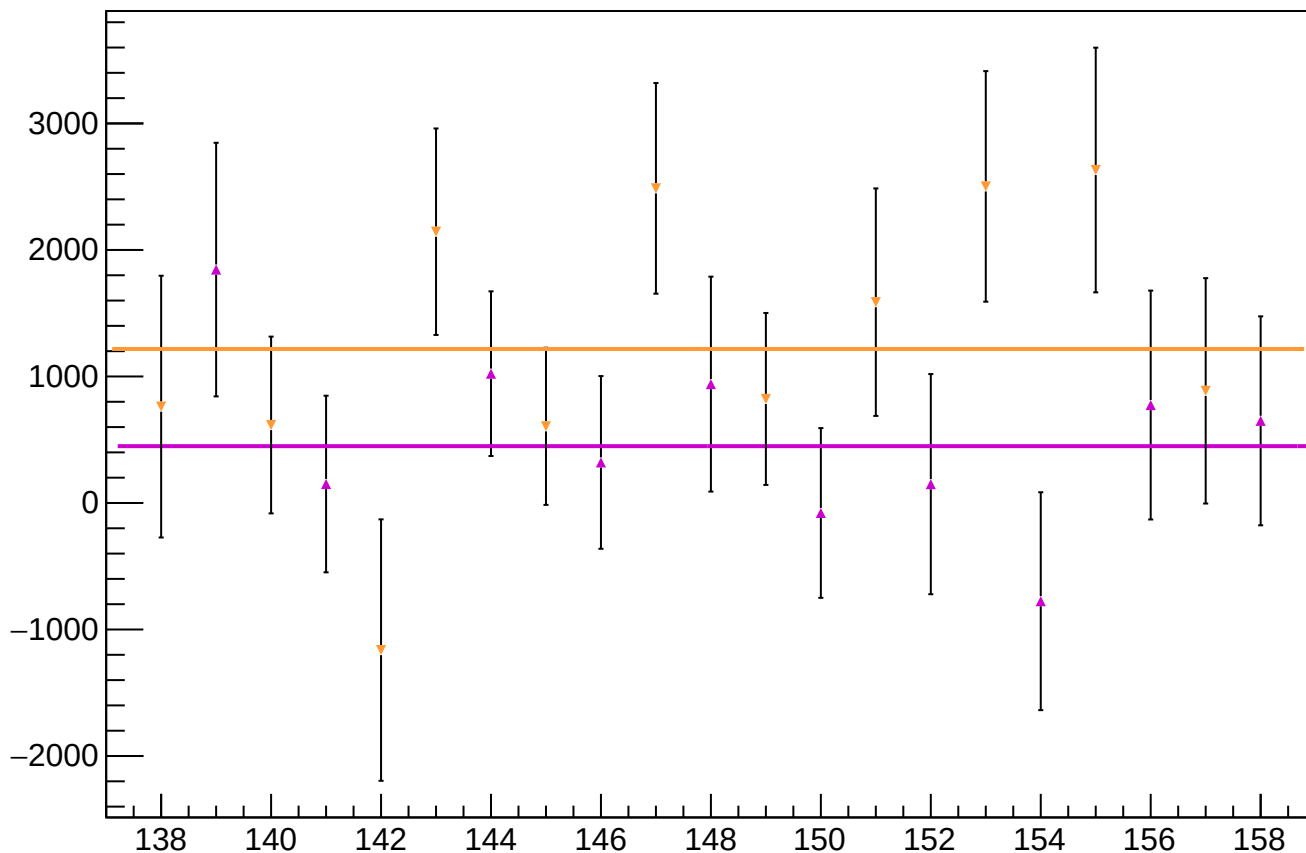
687.029+/-0.173 χ^2/NDF : 390148.5/10

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

Left In: 689.328+/-0.172 χ^2/NDF : 257523.6/9

689.328+/-0.172 χ^2/NDF : 257523.6/9

asym_sam_1548_avg_mean vs Slug



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

Left Out: 1217.272+/-246.988 χ^2/NDF : 15.6/10

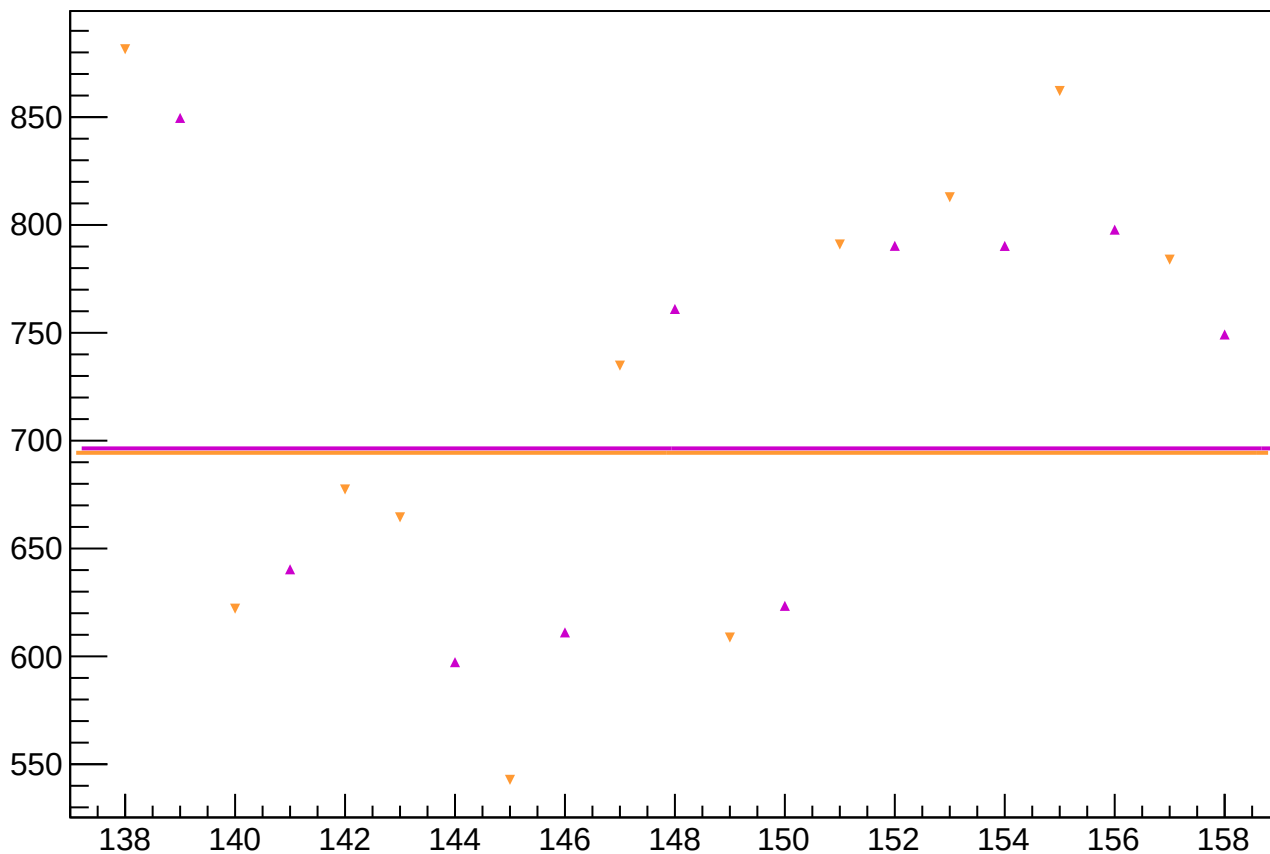
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 449.136+/-246.031 χ^2/NDF : 6.2/9

1217.272+/-246.988 χ^2/NDF : 15.6/10

449.136+/-246.031 χ^2/NDF : 6.2/9

asym_sam_1548_avg_rms vs Slug



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

Left Out: 694.383+/-0.175 χ^2/NDF : 382959.9/10

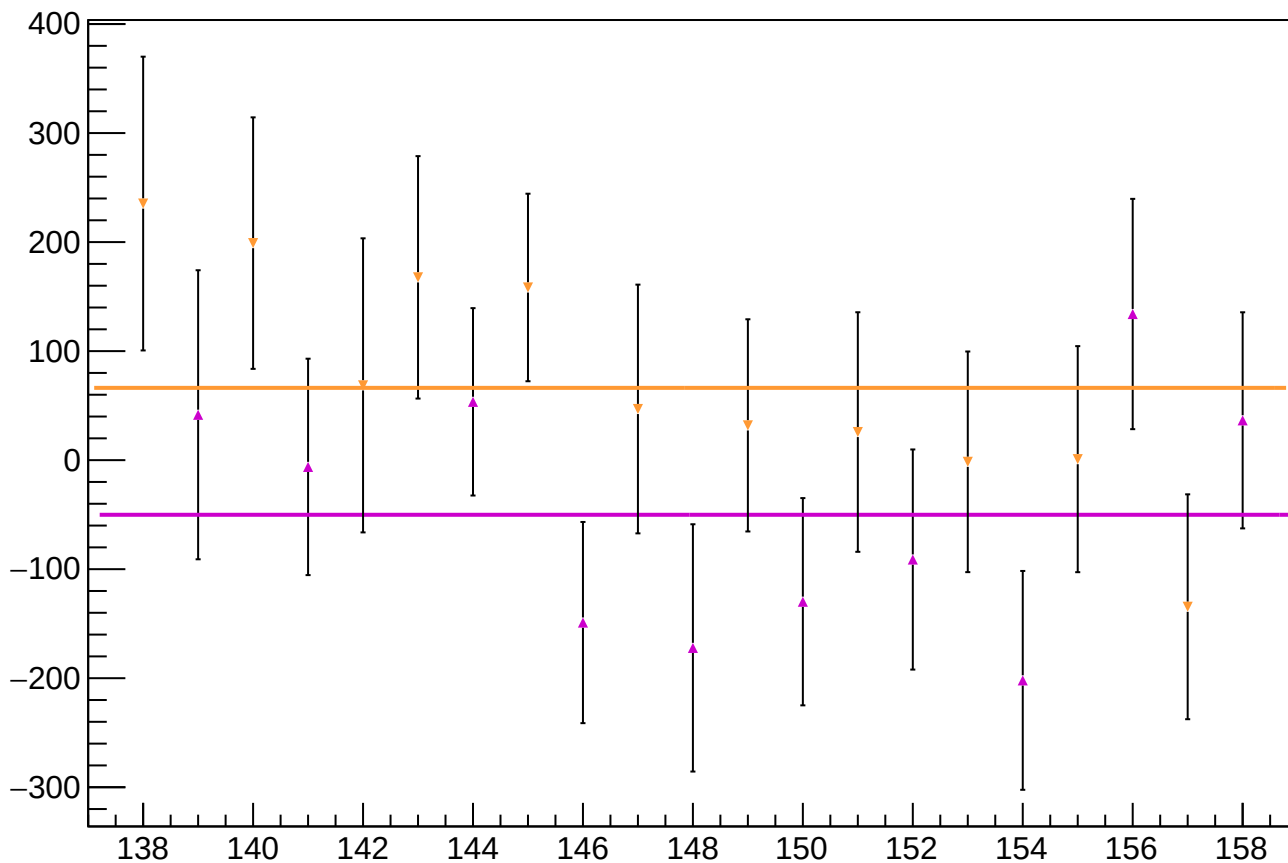
694.383+/-0.175 χ^2/NDF : 382959.9/10

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

696.414+/-0.174 χ^2/NDF : 252887.5/9

Left In: 696.414+/-0.174 χ^2/NDF : 252887.5/9

reg_asym_sam_3748_avg_mean vs Slug



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

Left Out: 66.301+/-32.421 χ^2/NDF : 9.8/10

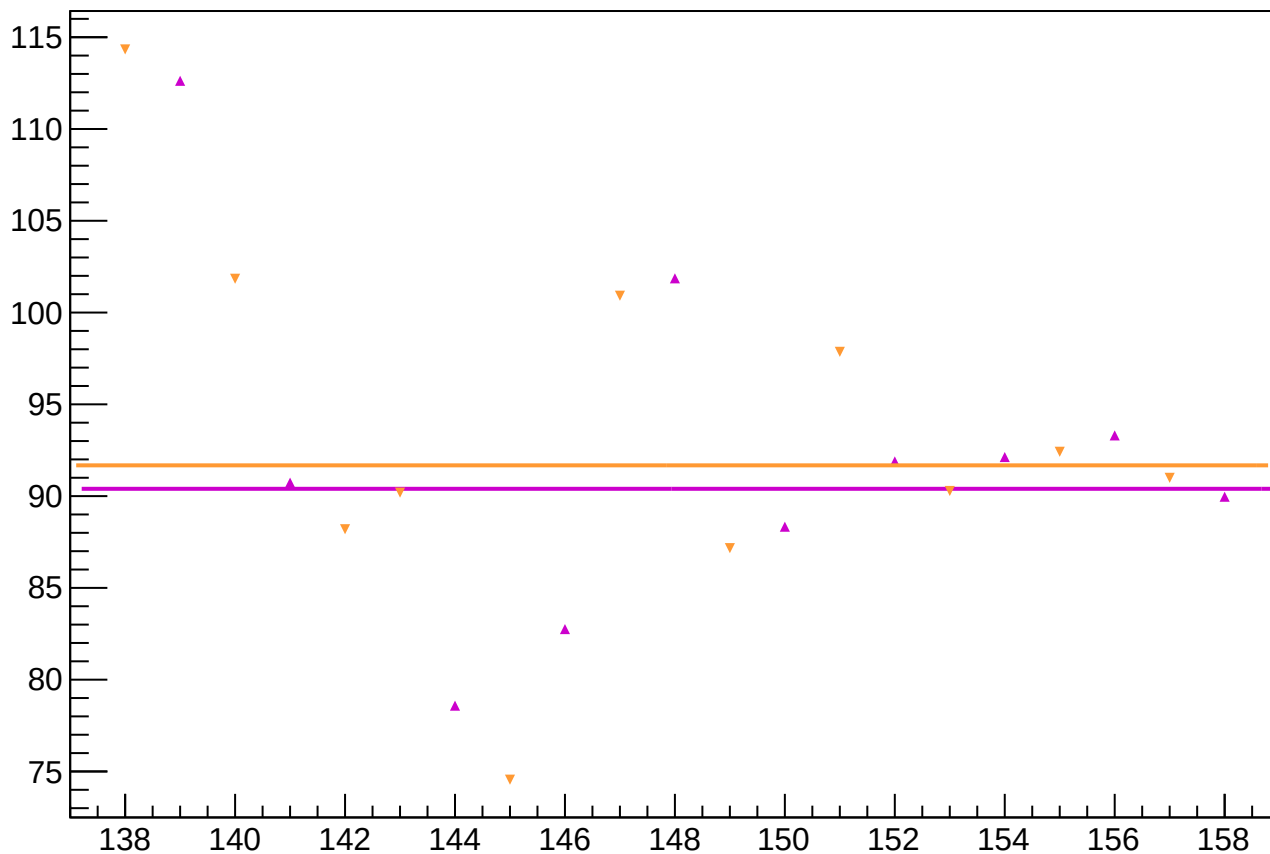
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -50.111+/-31.804 χ^2/NDF : 11.4/9

66.301+/-32.421 χ^2/NDF : 9.8/10

-50.111+/-31.804 χ^2/NDF : 11.4/9

reg_asym_sam_3748_avg_rms vs Slug



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

Left Out: 91.676+/-0.023 χ^2/NDF :177422.2/10

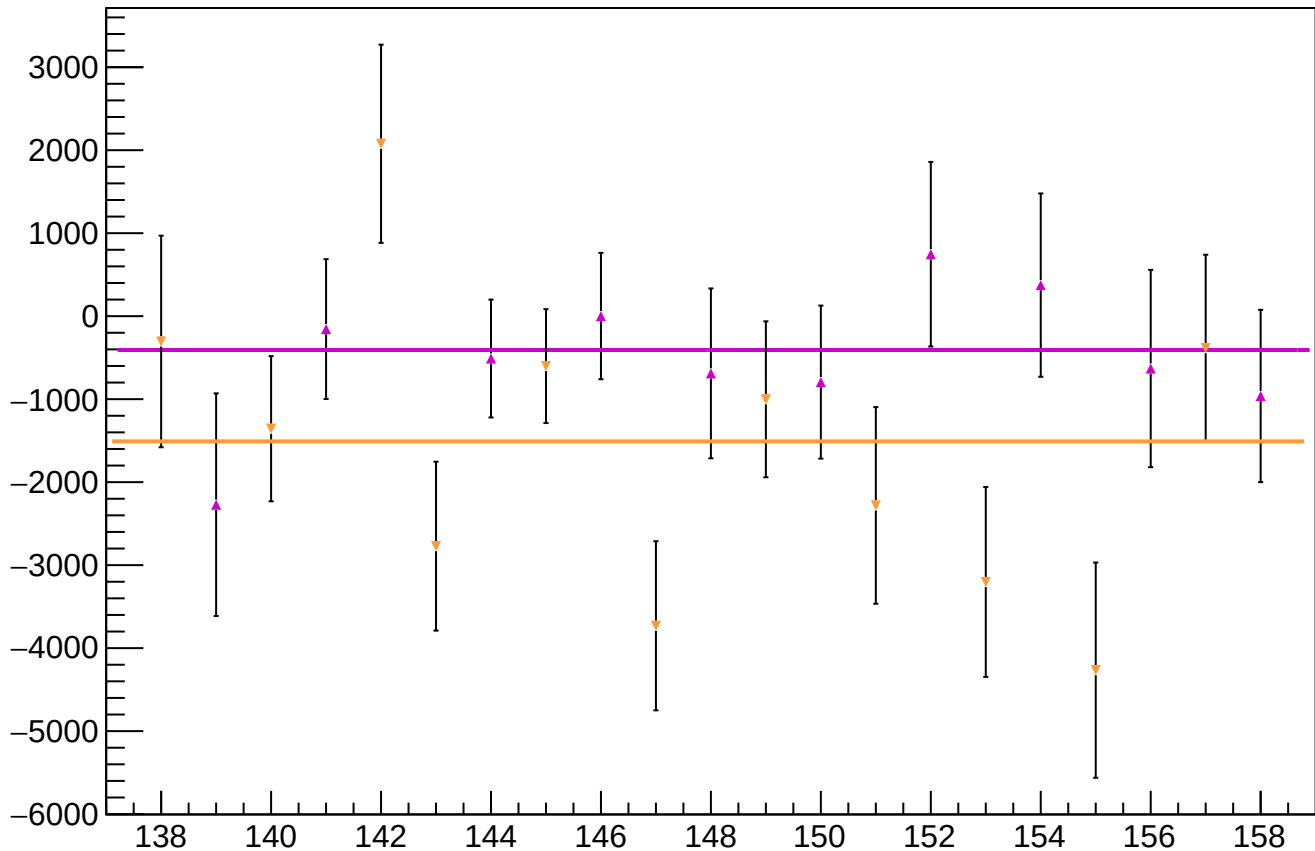
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 90.398+/-0.022 χ^2/NDF :131755.6/9

91.676+/-0.023 χ^2/NDF : 177422.2/10

90.398+/-0.022 χ^2/NDF : 131755.6/9

asym_sam_3748_avg_correction_mean vs Slug



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

Left Out: -1508.661+/-306.104 χ^2/NDF : 26.4/10

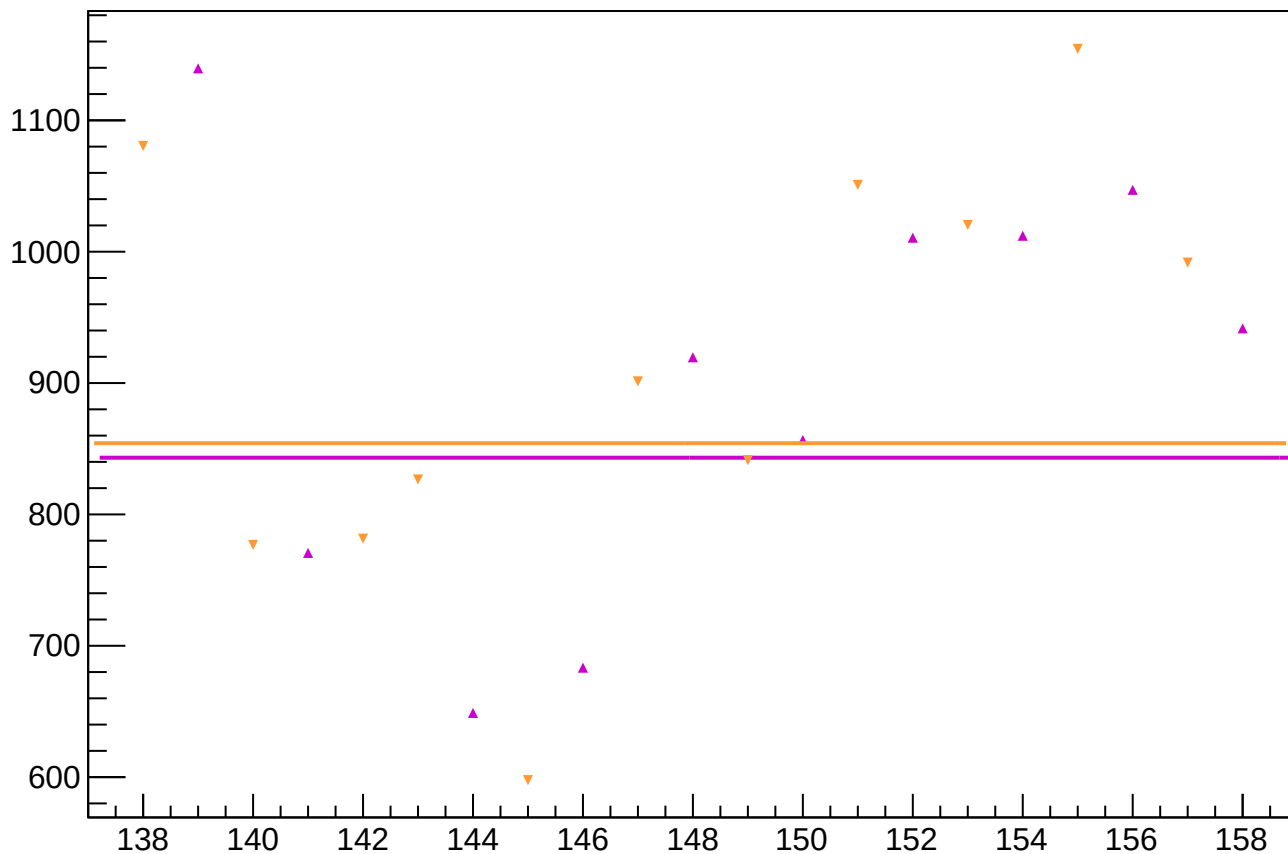
-1508.661+/-306.104 χ^2/NDF : 26.4/10

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

-407.622+/-300.580 χ^2/NDF : 4.5/9

Left In: -407.622+/-300.580 χ^2/NDF : 4.5/9

asym_sam_3748_avg_correction_rms vs Slug



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

Left Out: 854.206+/-0.216 χ^2/NDF : 606130.4/10

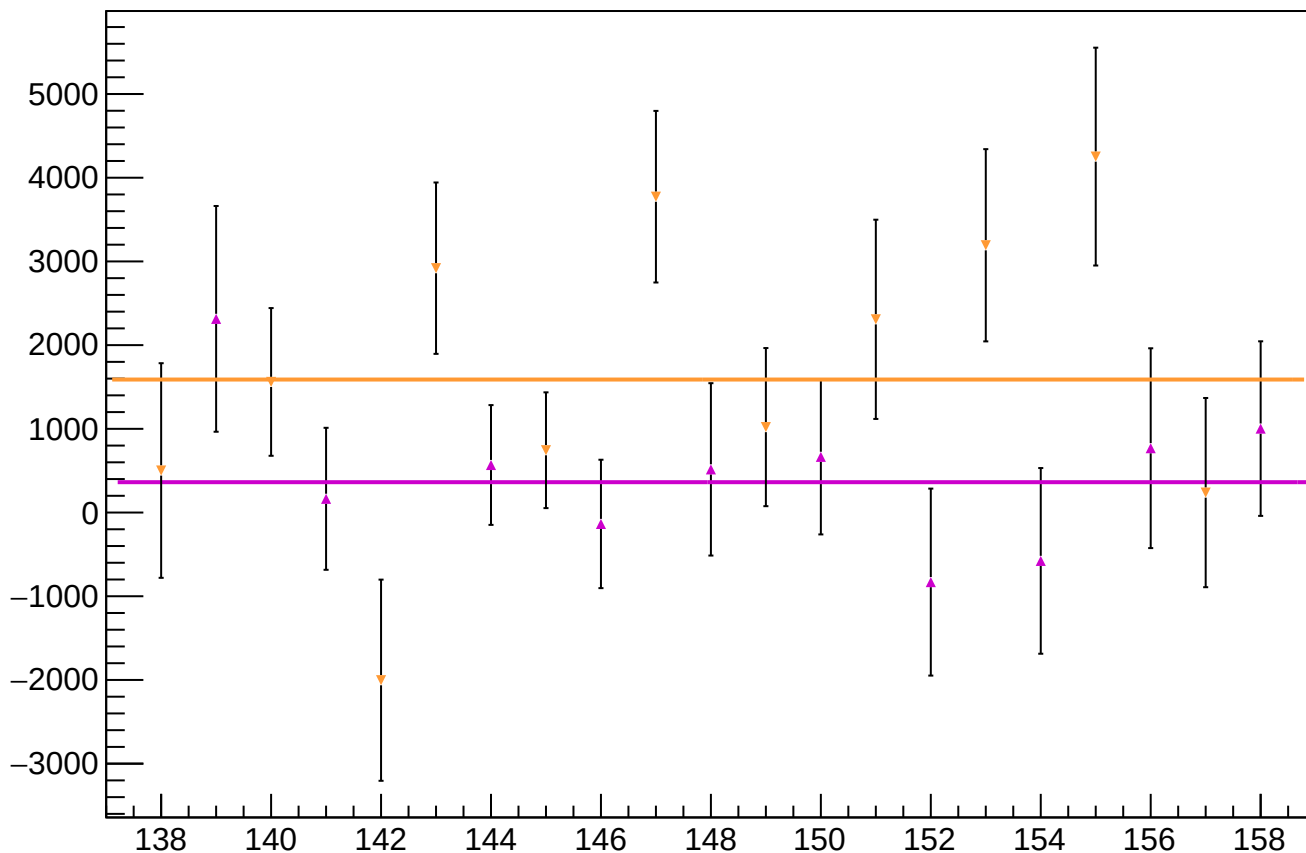
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 843.176+/-0.213 χ^2/NDF : 530833.3/9

854.206+/-0.216 χ^2/NDF : 606130.4/10

843.176+/-0.213 χ^2/NDF : 530833.3/9

asym_sam_3748_avg_mean vs Slug



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

Left Out: 1588.941+/-308.005 χ^2/NDF : 25.7/10

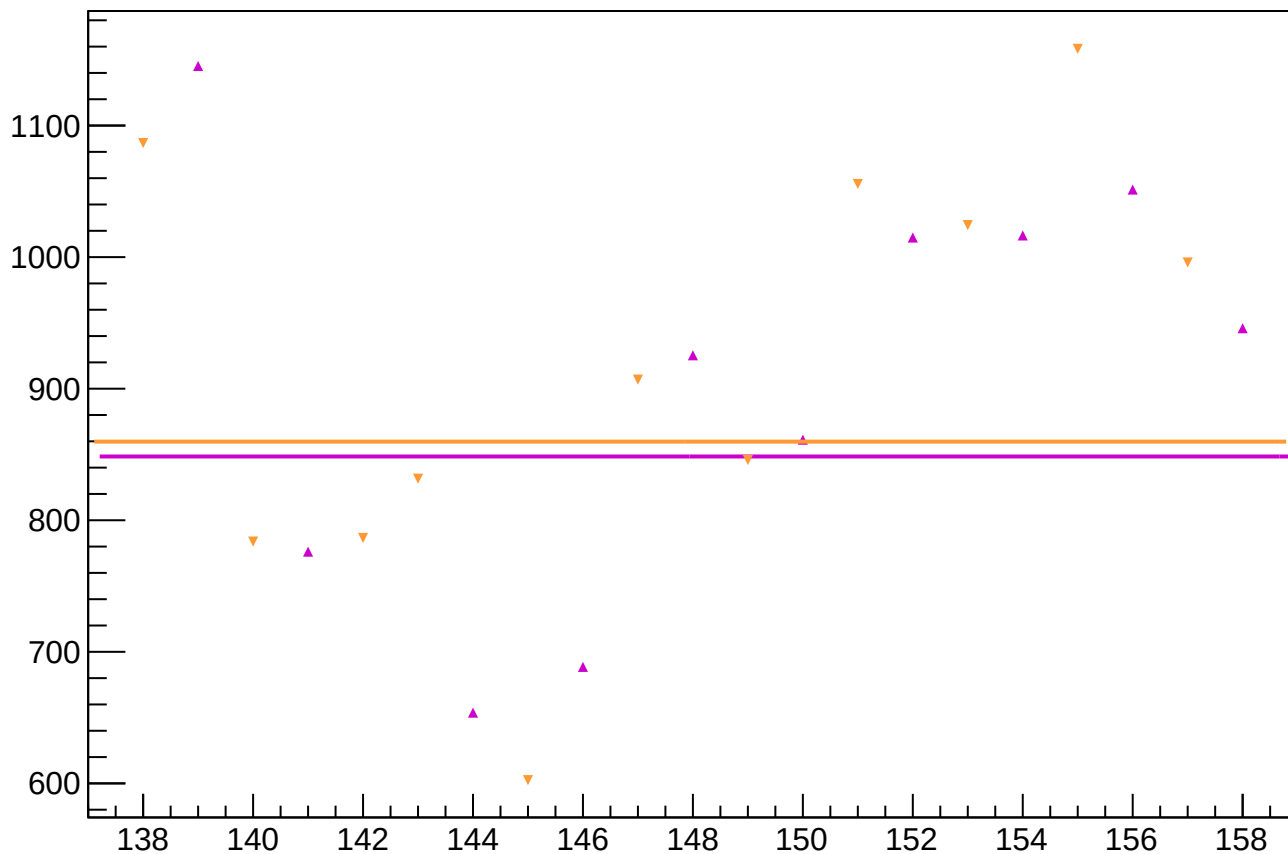
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 362.602+/-302.390 χ^2/NDF : 5.1/9

1588.941+/-308.005 χ^2/NDF : 25.7/10

362.602+/-302.390 χ^2/NDF : 5.1/9

asym_sam_3748_avg_rms vs Slug



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

Left Out: 859.761+/-0.218 χ^2/NDF : 597564.9/10

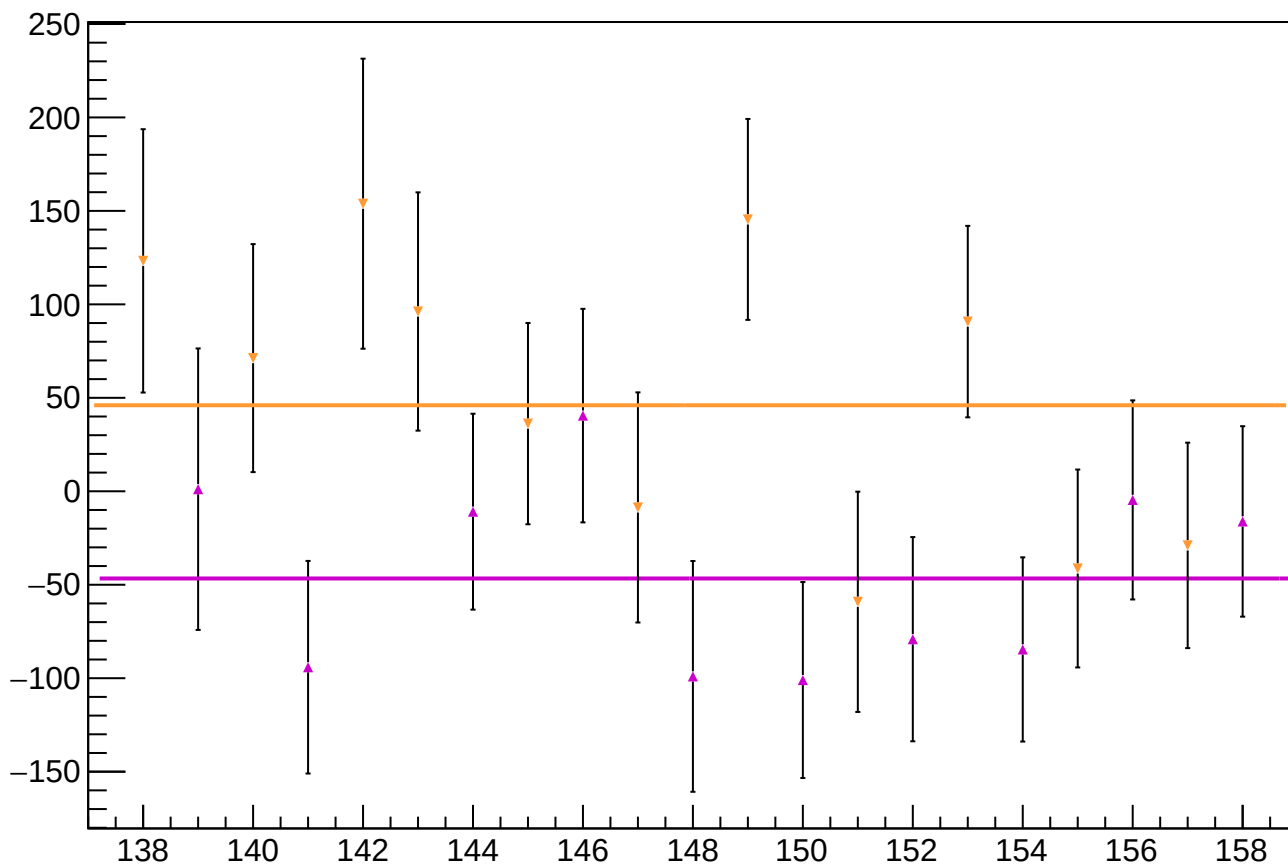
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 848.474+/-0.214 χ^2/NDF : 523559.6/9

859.761+/-0.218 χ^2/NDF : 597564.9/10

848.474+/-0.214 χ^2/NDF : 523559.6/9

reg_asym_sam_1526_avg_mean vs Slug



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

Left Out: 46.018+/-17.691 χ^2/NDF : 16.7/10

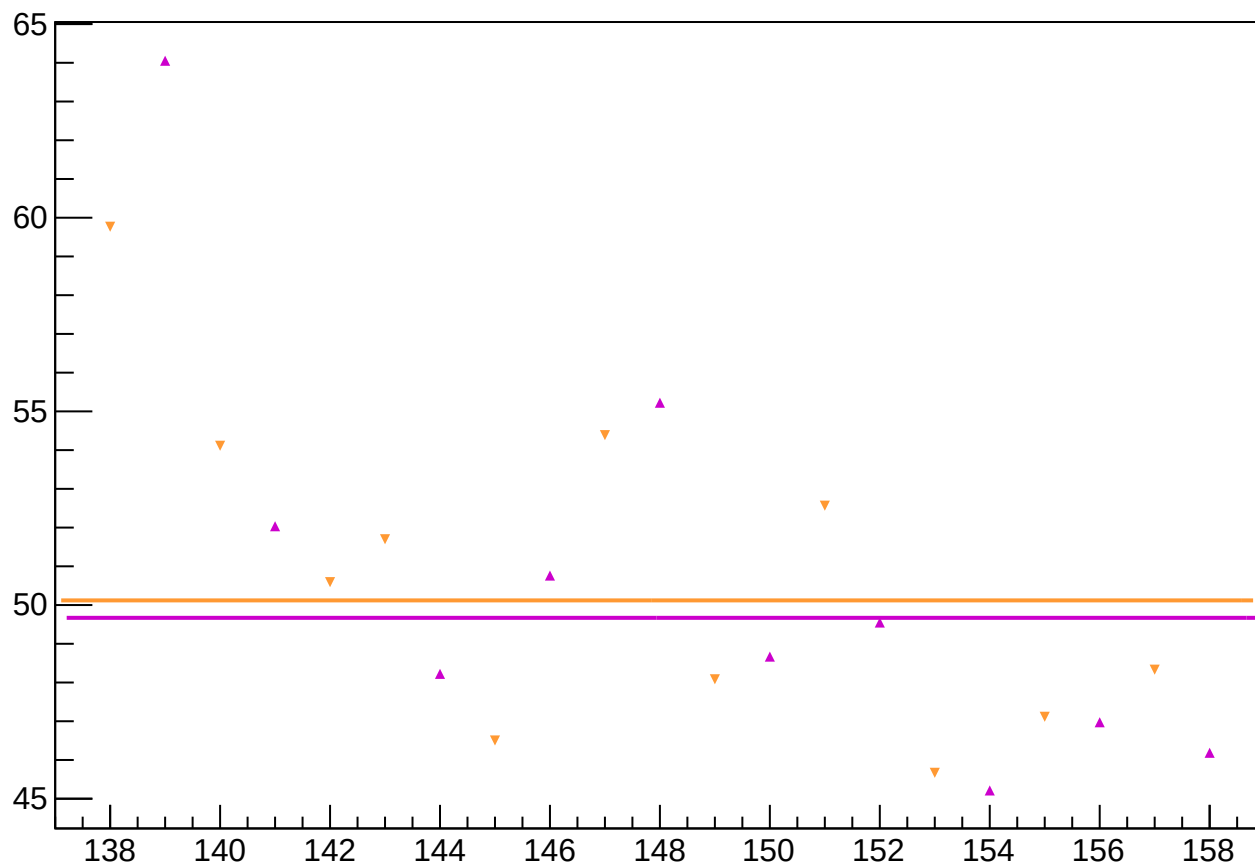
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -46.647+/-17.494 χ^2/NDF : 7.6/9

46.018+/-17.691 χ^2/NDF : 16.7/10

-46.647+/-17.494 χ^2/NDF : 7.6/9

reg_asym_sam_1526_avg_rms vs Slug



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

Left Out: 50.120+/-0.013 χ^2/NDF :96003.4/10

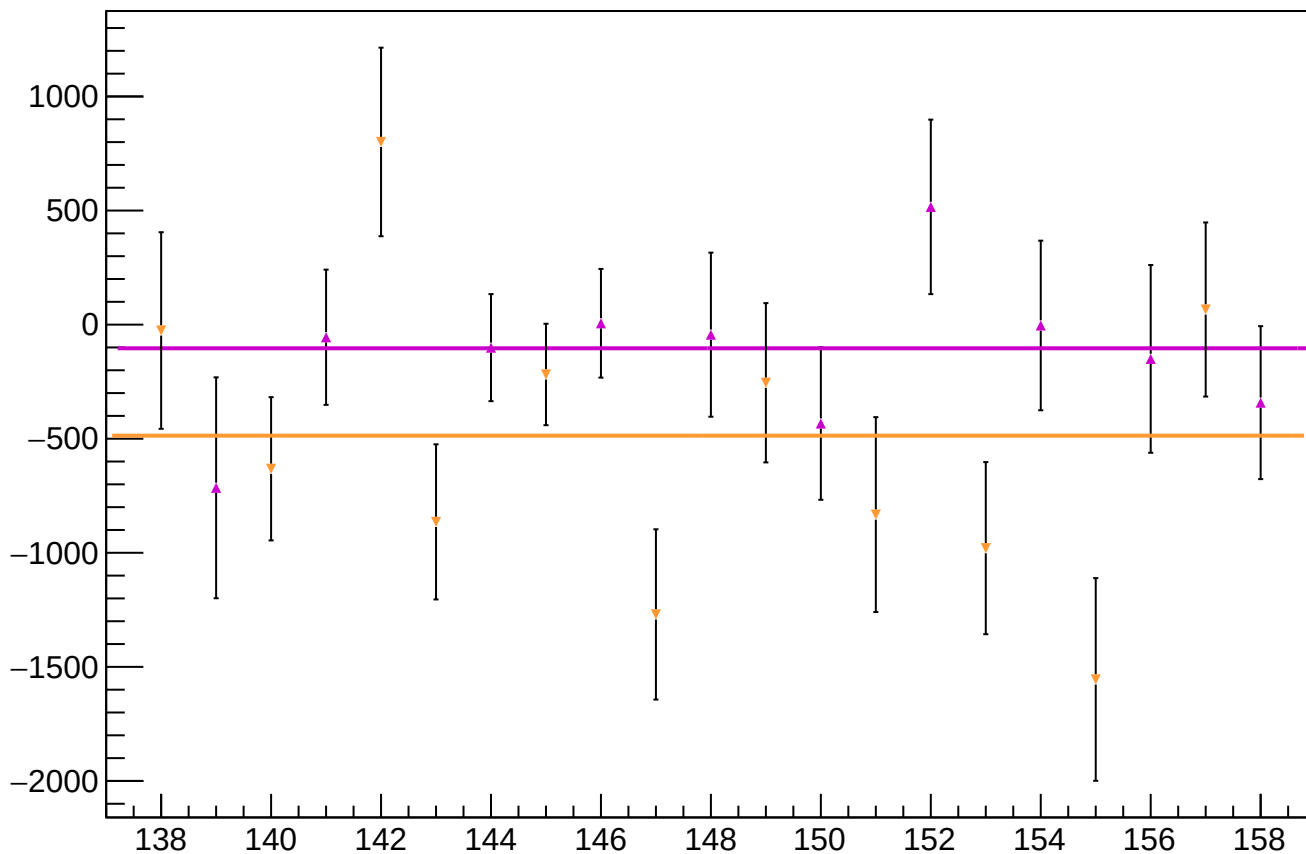
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 49.670+/-0.012 χ^2/NDF :126464.4/9

50.120+/-0.013 χ^2/NDF : 96003.4/10

49.670+/-0.012 χ^2/NDF : 126464.4/9

asym_sam_1526_avg_correction_mean vs Slug



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

Left Out: -486.562+/-105.341 χ^2/NDF : 28.9/10

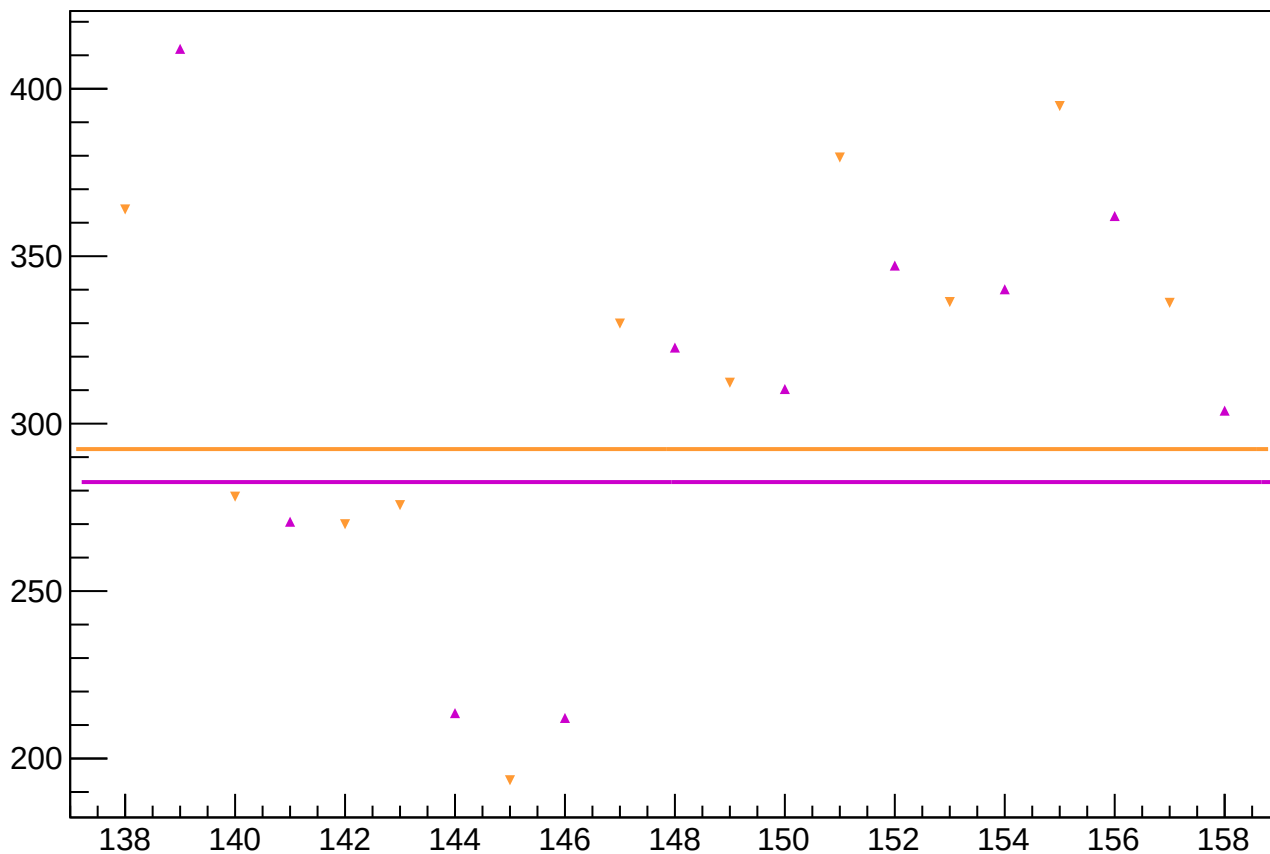
-486.562+/-105.341 χ^2/NDF : 28.9/10

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

-103.661+/-101.524 χ^2/NDF : 6.1/9

Left In: -103.661+/-101.524 χ^2/NDF : 6.1/9

asym_sam_1526_avg_correction_rms vs Slug



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

Left Out: 292.404+/-0.074 χ^2/NDF : 735239.8/10

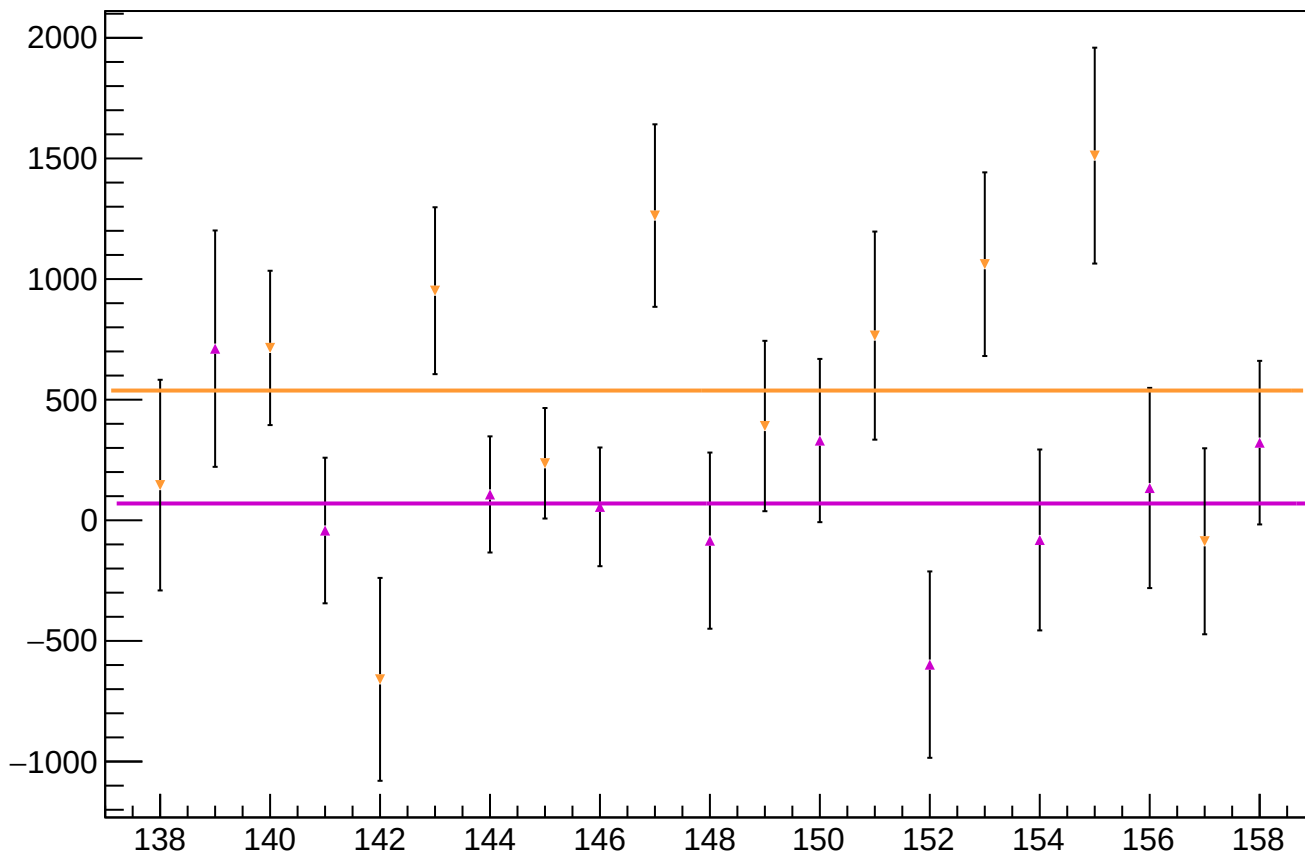
292.404+/-0.074 χ^2/NDF : 735239.8/10

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

Left In: 282.551+/-0.072 χ^2/NDF : 720525.6/9

282.551+/-0.072 χ^2/NDF : 720525.6/9

asym_sam_1526_avg_mean vs Slug



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

Left Out: 537.910+/-107.160 χ^2/NDF : 25.8/10

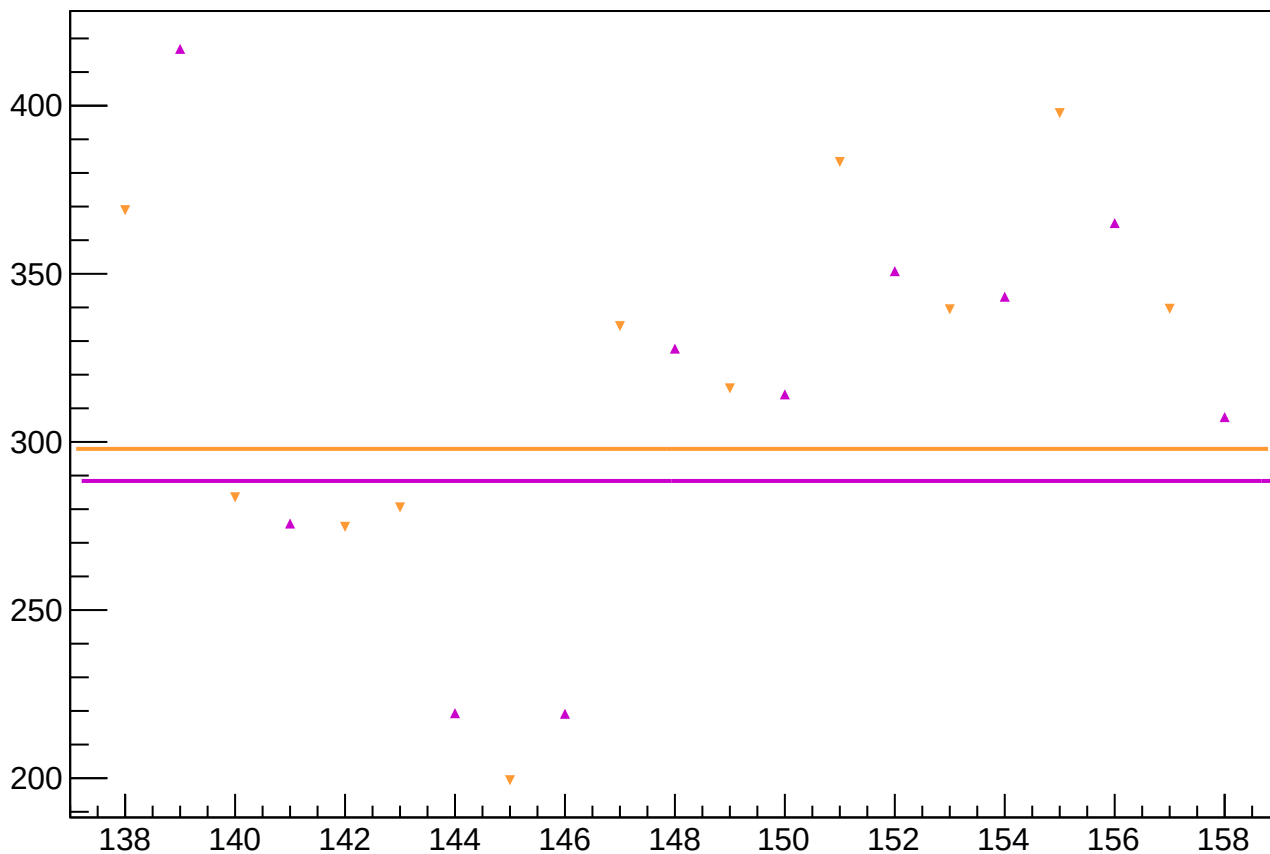
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 69.713+/-103.438 χ^2/NDF : 6.4/9

537.910+/-107.160 χ^2/NDF : 25.8/10

69.713+/-103.438 χ^2/NDF : 6.4/9

asym_sam_1526_avg_rms vs Slug



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

Left Out: 297.933+/-0.076 χ^2/NDF : 686889.3/10

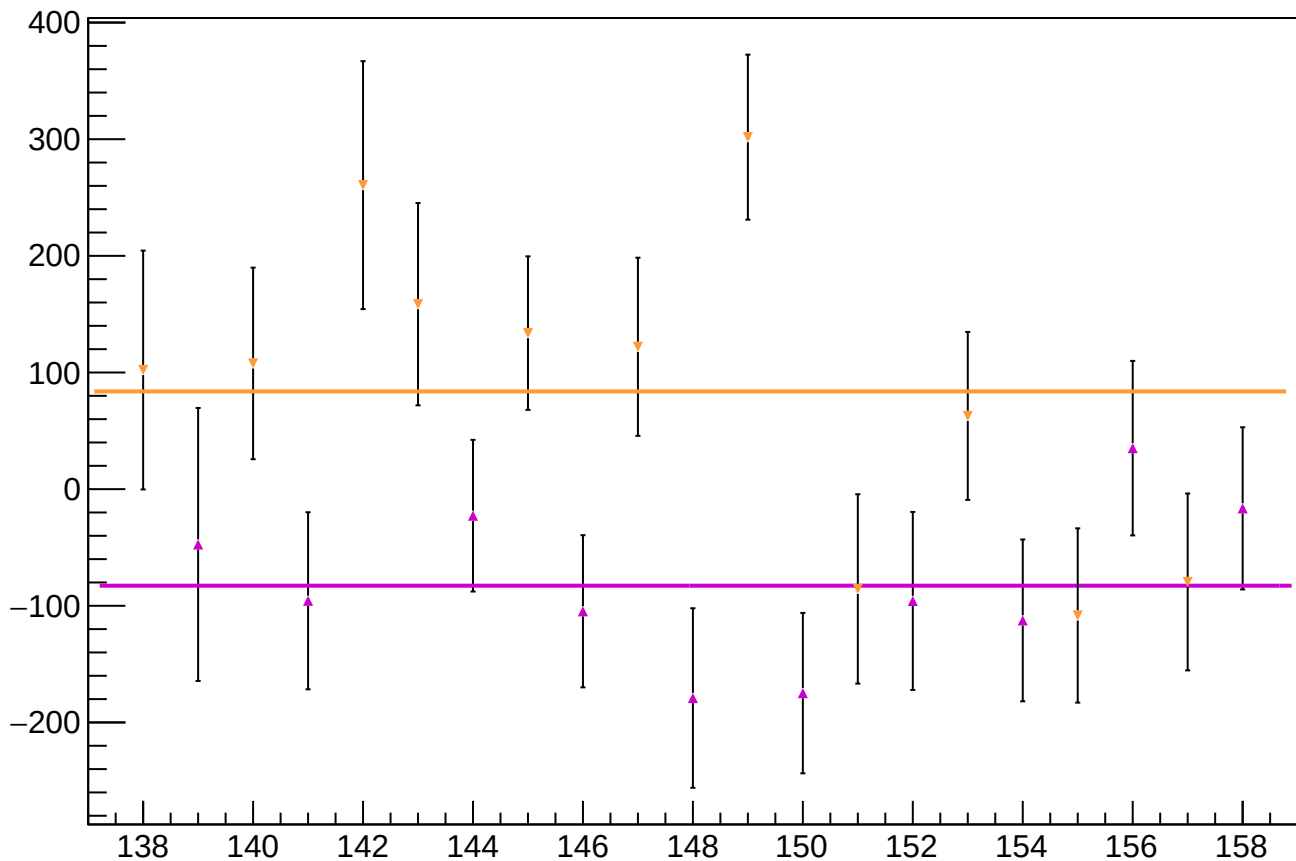
297.933+/-0.076 χ^2/NDF : 686889.3/10

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

Left In: 288.399+/-0.073 χ^2/NDF : 668373.0/9

288.399+/-0.073 χ^2/NDF : 668373.0/9

reg_asym_sam_3726_avg_mean vs Slug



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

Left Out: 83.781+/-23.801 χ^2/NDF : 29.6/10

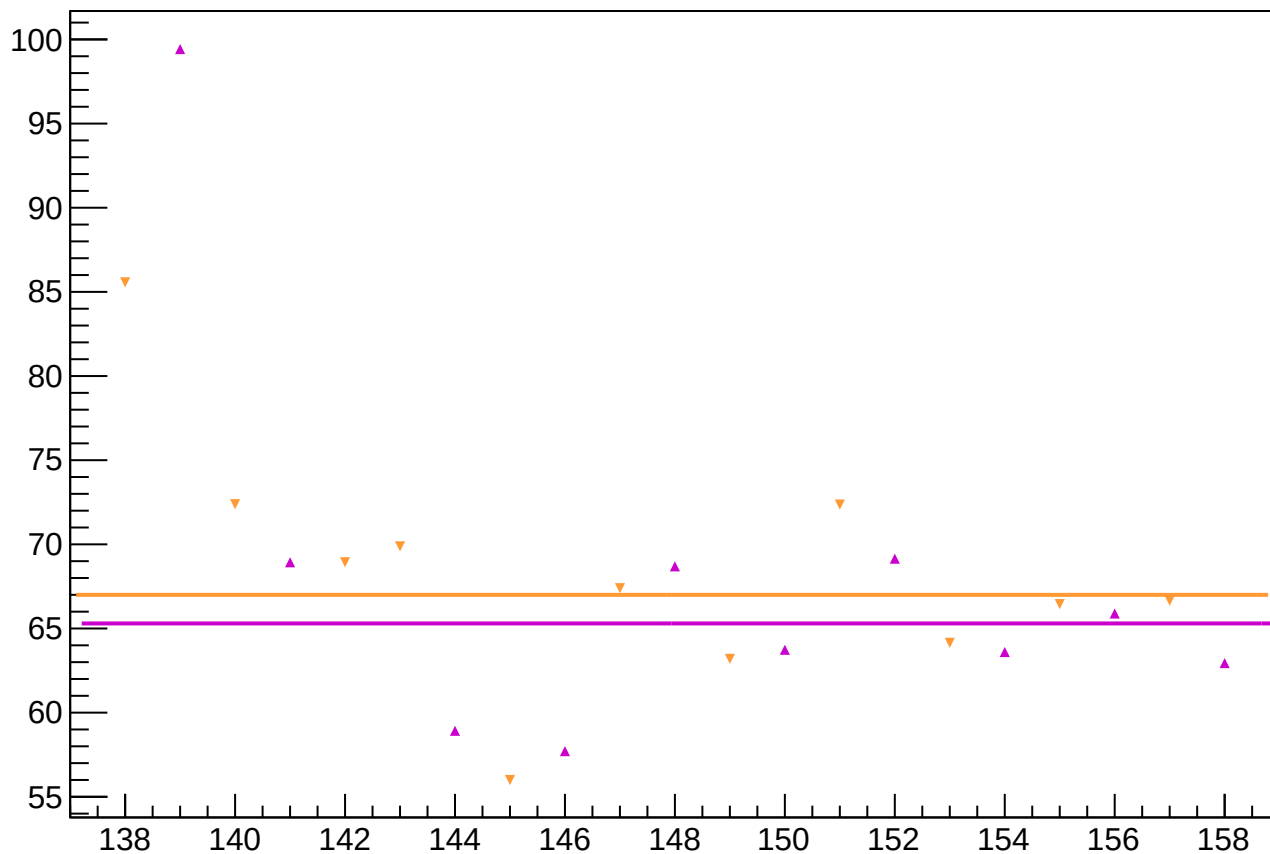
83.781+/-23.801 χ^2/NDF : 29.6/10

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

-82.756+/-23.164 χ^2/NDF : 8.1/9

Left In: -82.756+/-23.164 χ^2/NDF : 8.1/9

reg_asym_sam_3726_avg_rms vs Slug



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

Left Out: 66.998+/-0.017 χ^2/NDF :151000.4/10

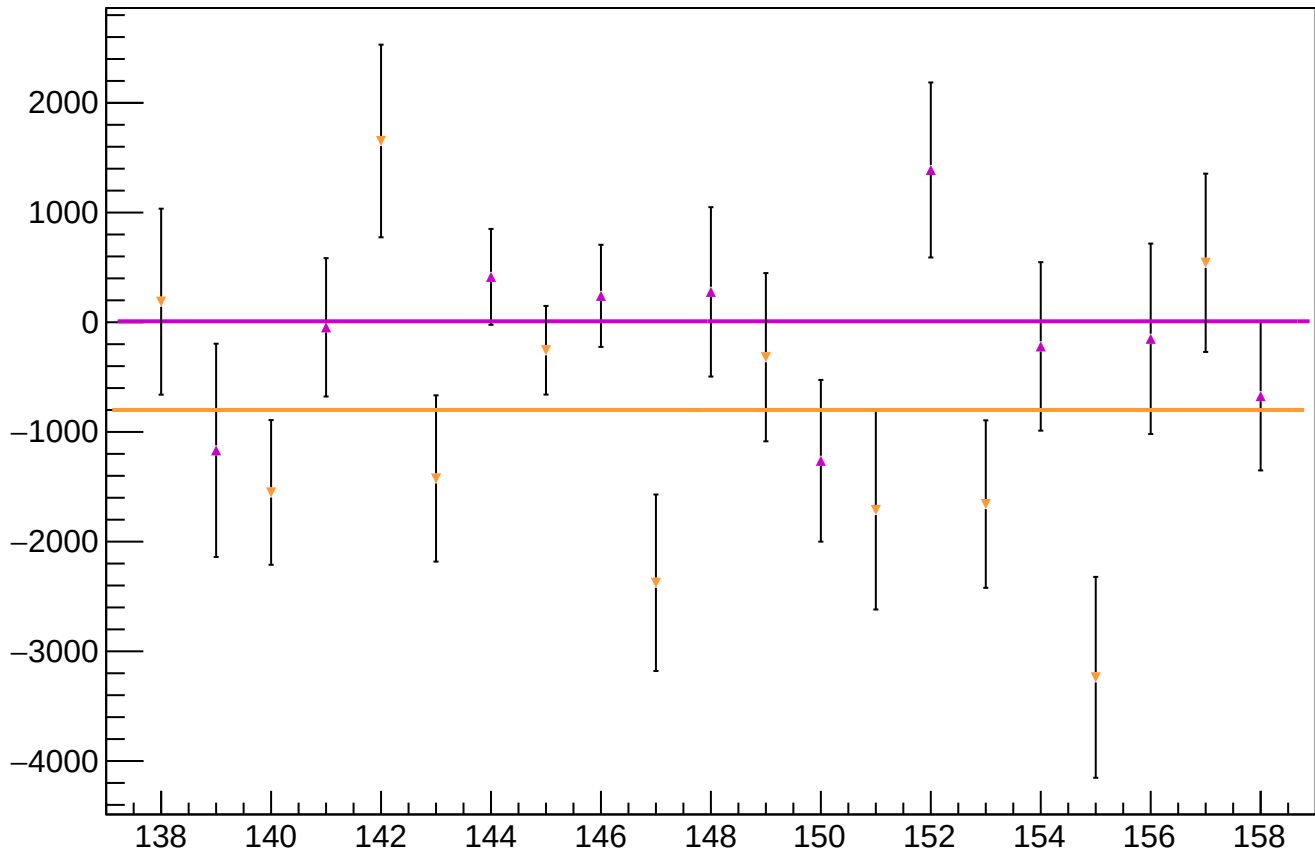
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 65.300+/-0.016 χ^2/NDF :234626.3/9

66.998+/-0.017 χ^2/NDF : 151000.4/10

65.300+/-0.016 χ^2/NDF : 234626.3/9

asym_sam_3726_avg_correction_mean vs Slug



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

Left Out: -799.534 $\pm$ 214.530 χ^2 /NDF:29.3/10

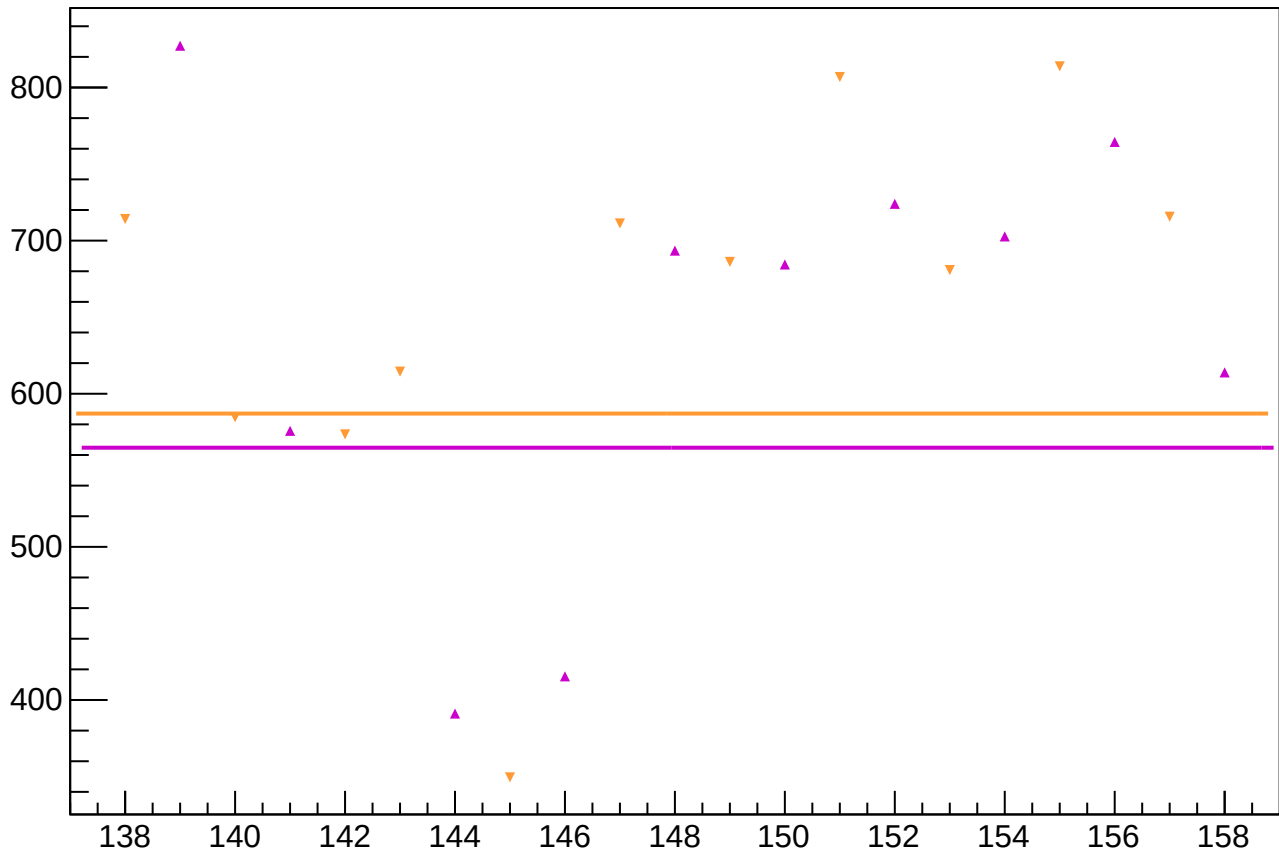
-799.534 $\pm$ 214.530 χ^2 /NDF: 29.3/10

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

8.589 $\pm$ 205.347 χ^2 /NDF: 9.8/9

Left In: 8.589 $\pm$ 205.347 χ^2 /NDF:9.8/9

asym_sam_3726_avg_correction_rms vs Slug



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

Left Out: 587.059+/-0.152 χ^2/NDF : 1140312.7/10

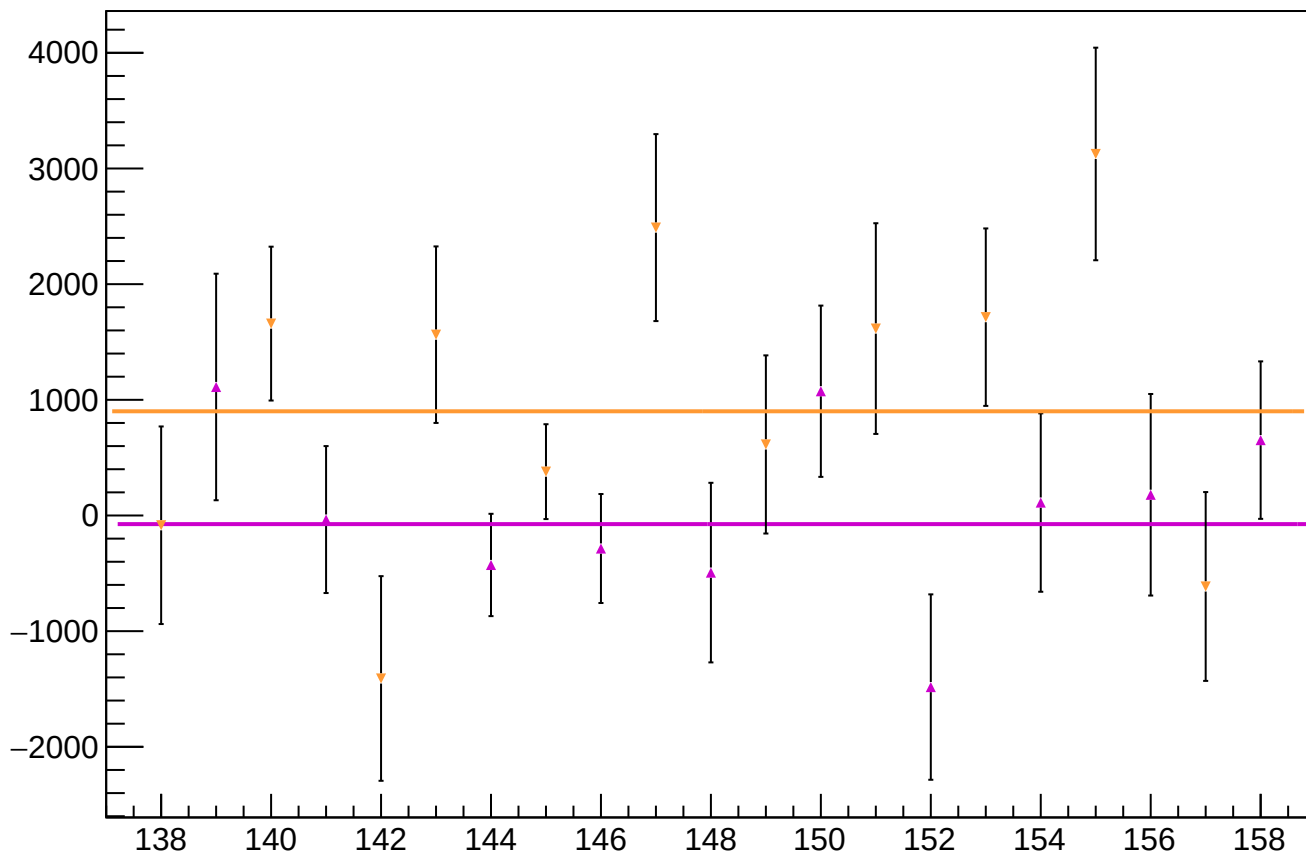
587.059+/-0.152 χ^2/NDF : 1140312.7/10

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

564.763+/-0.145 χ^2/NDF : 1036821.2/9

Left In: 564.763+/-0.145 χ^2/NDF : 1036821.2/9

asym_sam_3726_avg_mean vs Slug



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

Left Out: 900.872+/-216.260 χ^2/NDF : 26.9/10

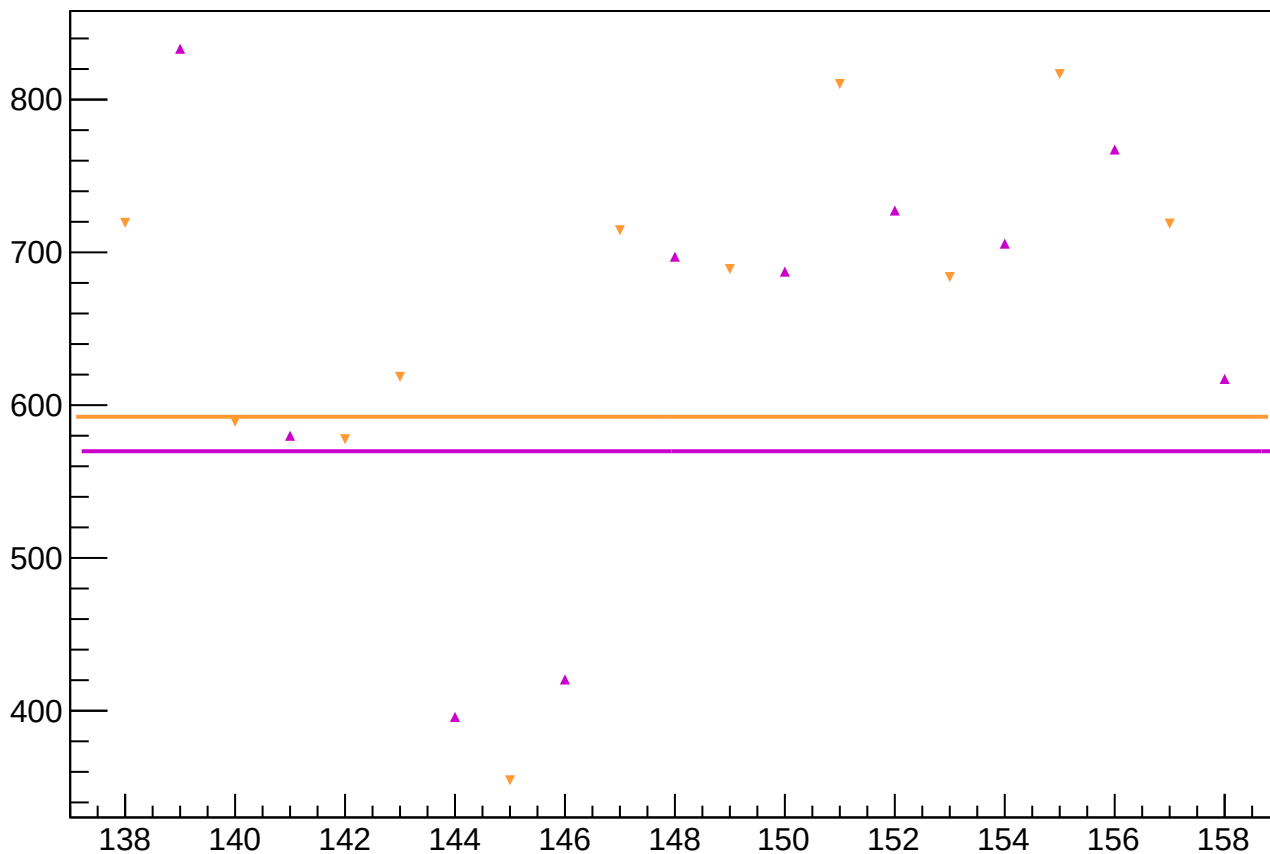
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -74.549+/-207.010 χ^2/NDF : 9.4/9

900.872+/-216.260 χ^2/NDF : 26.9/10

-74.549+/-207.010 χ^2/NDF : 9.4/9

asym_sam_3726_avg_rms vs Slug



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

Left Out: 592.414+/-0.153 χ^2/NDF : 1107659.4/10

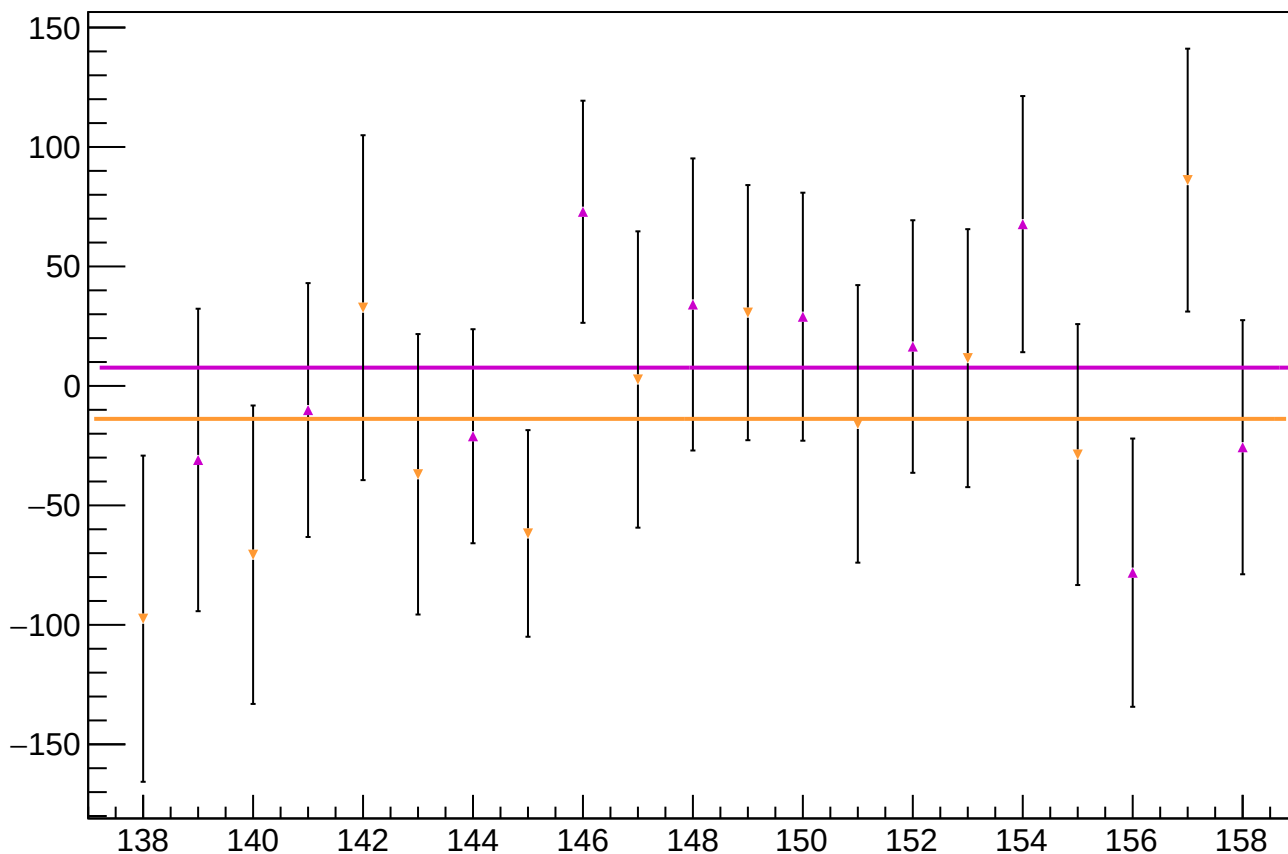
592.414+/-0.153 χ^2/NDF : 1107659.4/10

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

569.840+/-0.146 χ^2/NDF : 1011352.8/9

Left In: 569.840+/-0.146 χ^2/NDF : 1011352.8/9

reg_asym_sam_15_48_dd_mean vs Slug



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

Left Out: -13.786+/-17.139 χ^2/NDF : 8.5/10

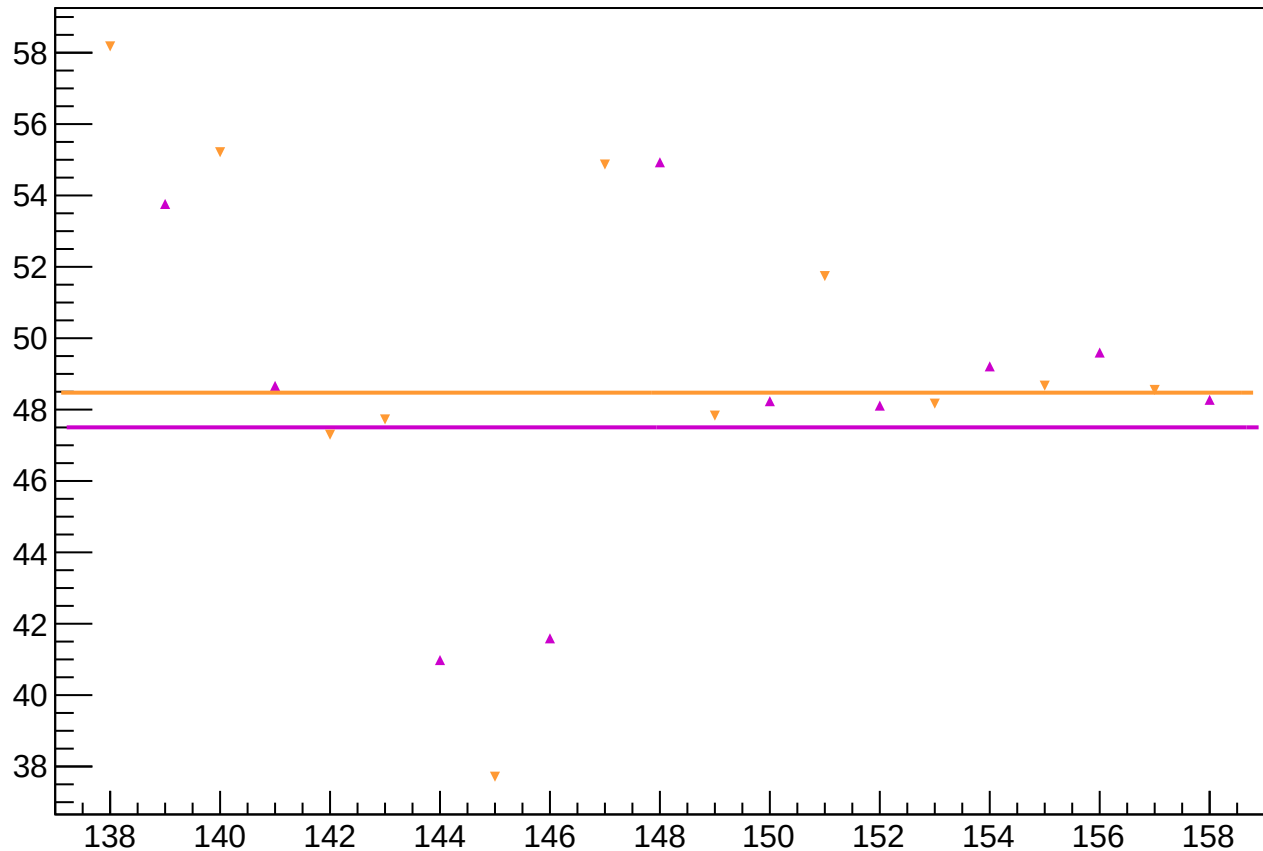
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 7.652+/-16.710 χ^2/NDF : 7.2/9

-13.786+/-17.139 χ^2/NDF : 8.5/10

7.652+/-16.710 χ^2/NDF : 7.2/9

reg_asym_sam_15_48_dd_rms vs Slug



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

Left Out: 48.475+/-0.012 χ^2/NDF : 216364.4/10

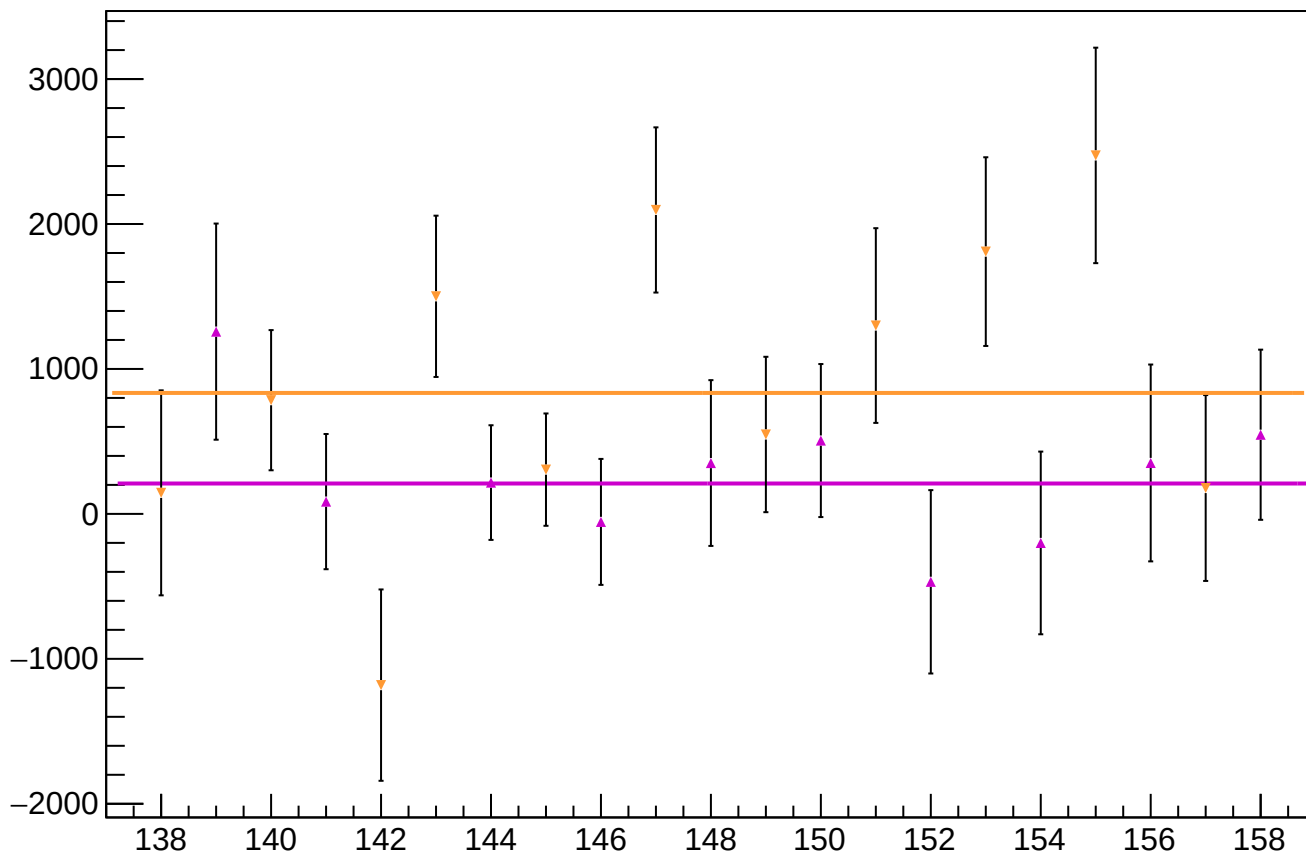
48.475+/-0.012 χ^2/NDF : 216364.4/10

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

47.503+/-0.012 χ^2/NDF : 130691.2/9

Left In: 47.503+/-0.012 χ^2/NDF : 130691.2/9

asym_sam_15_48_dd_correction_mean vs Slug



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

Left Out: 834.523+/-171.899 χ^2/NDF : 27.4/10

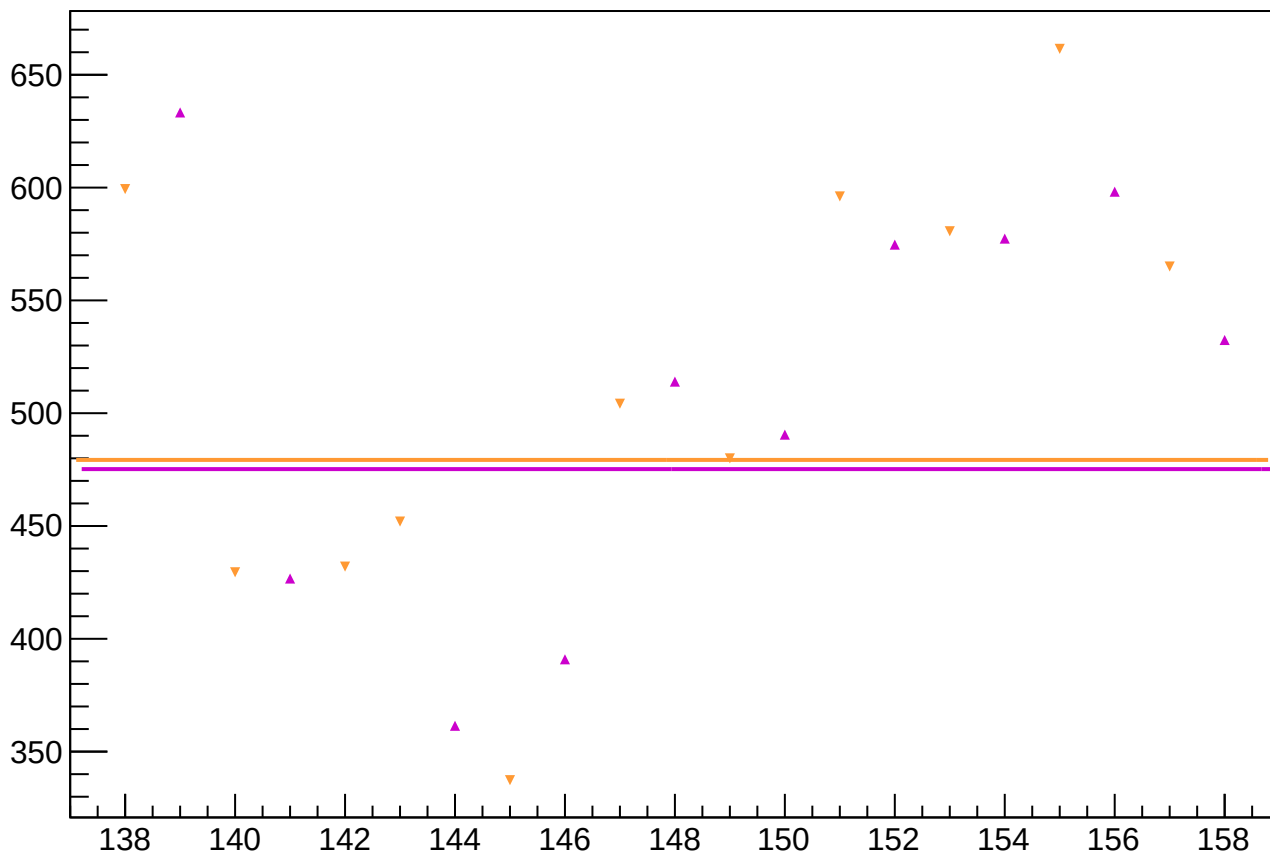
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 209.643+/-169.464 χ^2/NDF : 4.7/9

834.523+/-171.899 χ^2/NDF : 27.4/10

209.643+/-169.464 χ^2/NDF : 4.7/9

asym_sam_15_48_dd_correction_rms vs Slug



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

Left Out: 479.297+/-0.122 χ^2/NDF : 631139.3/10

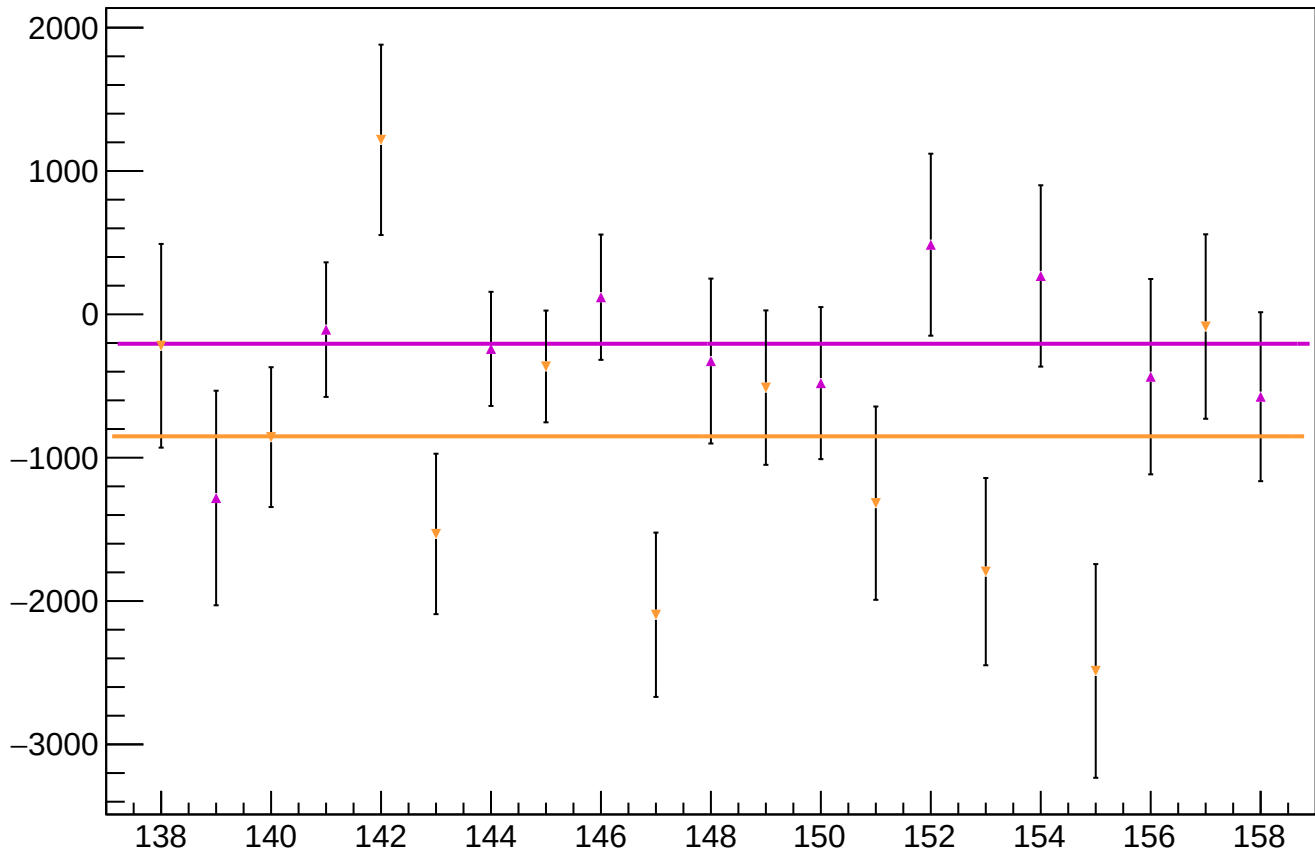
479.297+/-0.122 χ^2/NDF : 631139.3/10

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

Left In: 475.217+/-0.120 χ^2/NDF : 549879.2/9

475.217+/-0.120 χ^2/NDF : 549879.2/9

asym_sam_15_48_dd_mean vs Slug



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

Left Out: -851.024+/-172.853 χ^2/NDF : 27.5/10

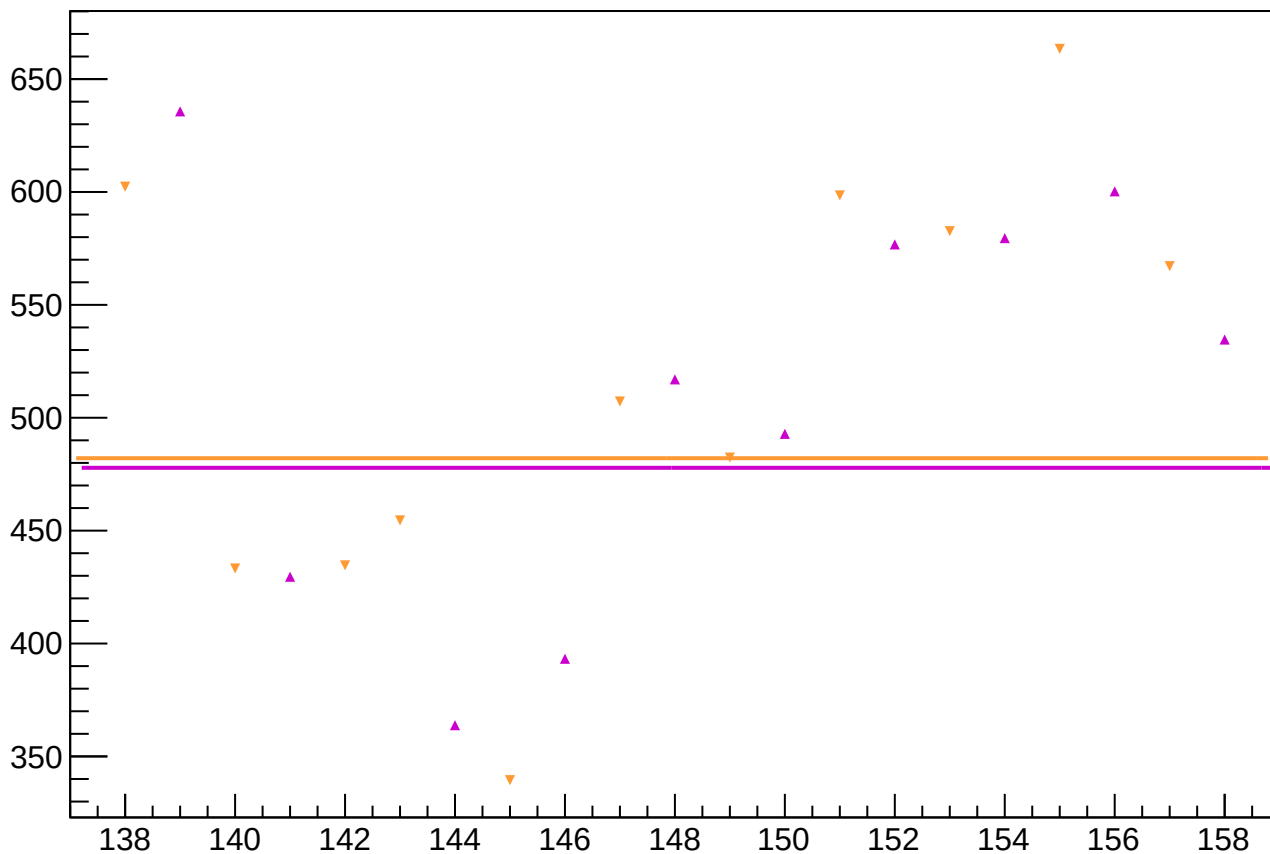
-851.024+/-172.853 χ^2/NDF : 27.5/10

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

-205.192+/-170.358 χ^2/NDF : 5.2/9

Left In: -205.192+/-170.358 χ^2/NDF : 5.2/9

asym_sam_15_48_dd_rms vs Slug



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

Left Out: 482.083+/-0.122 χ^2/NDF : 624052.5/10

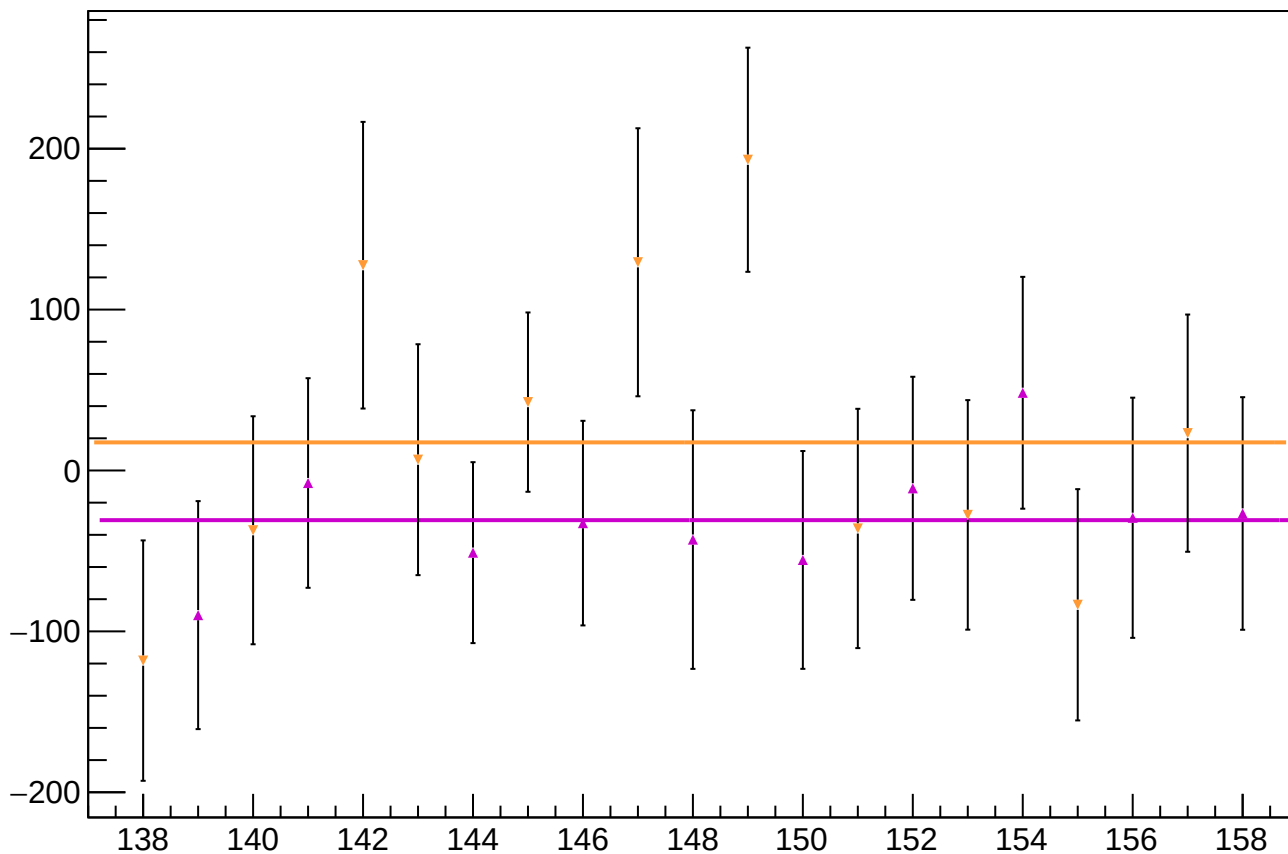
482.083+/-0.122 χ^2/NDF : 624052.5/10

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

Left In: 477.833+/-0.120 χ^2/NDF : 543438.1/9

477.833+/-0.120 χ^2/NDF : 543438.1/9

reg_asym_sam_37_48_dd_mean vs Slug



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

Left Out: 17.457 +/- 21.689 χ^2/NDF : 16.7/10

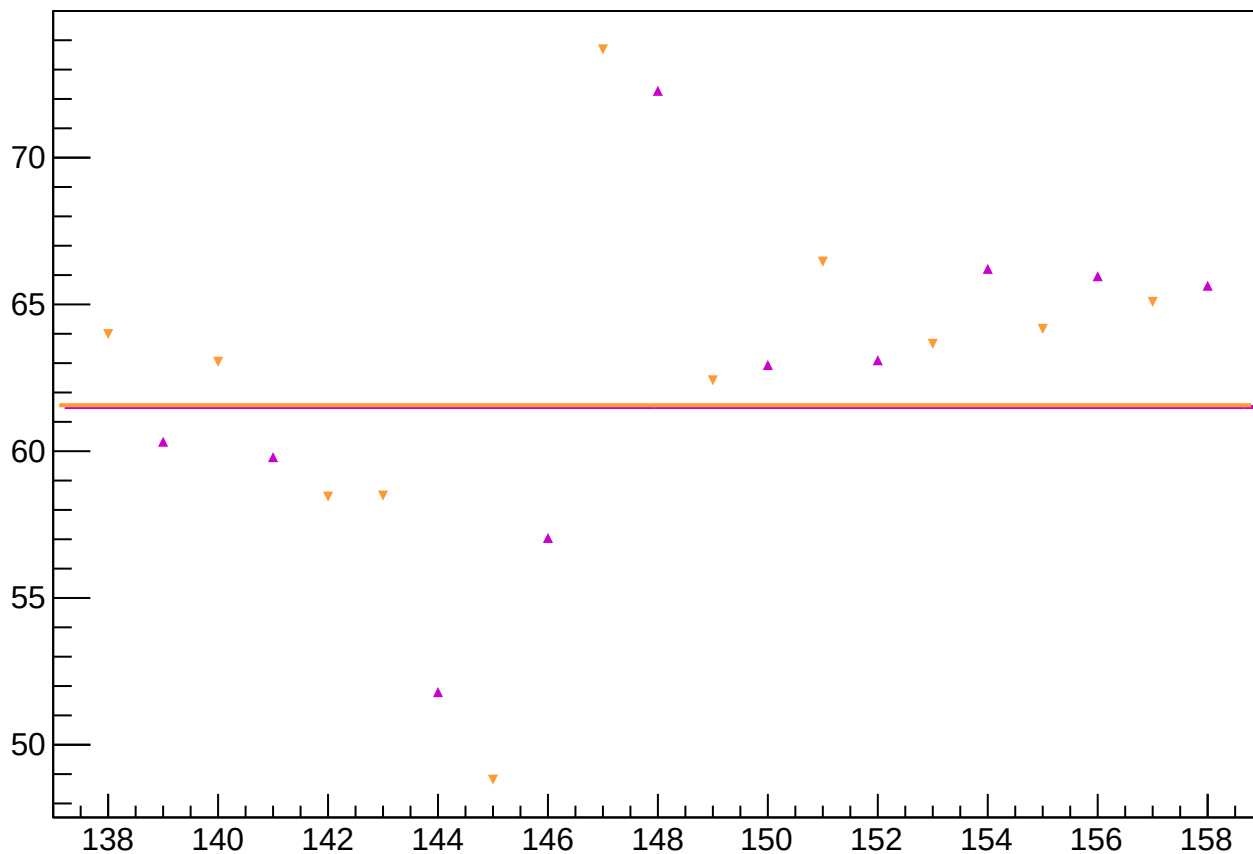
17.457 +/- 21.689 χ^2/NDF : 16.7/10

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

Left In: -30.872 +/- 21.601 χ^2/NDF : 2.4/9

-30.872 +/- 21.601 χ^2/NDF : 2.4/9

reg_asym_sam_37_48_dd_rms vs Slug



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

Left Out: 61.566+/-0.015 χ^2/NDF : 174078.6/10

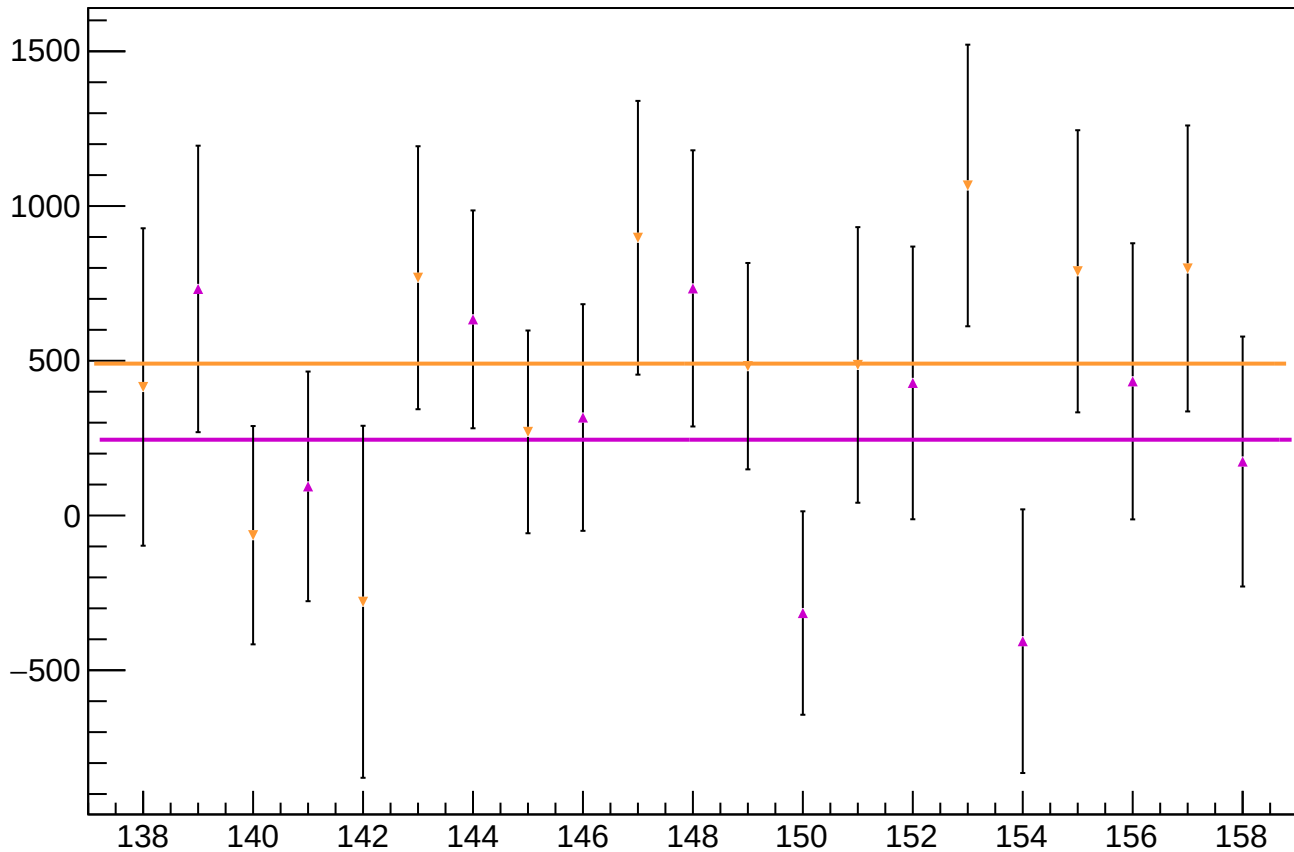
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 61.505+/-0.015 χ^2/NDF : 131499.7/9

61.566+/-0.015 χ^2/NDF : 174078.6/10

61.505+/-0.015 χ^2/NDF : 131499.7/9

asym_sam_37_48_dd_correction_mean vs Slug



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

Left Out: 490.770 $\pm$ 125.727 χ^2 /NDF: 8.5/10

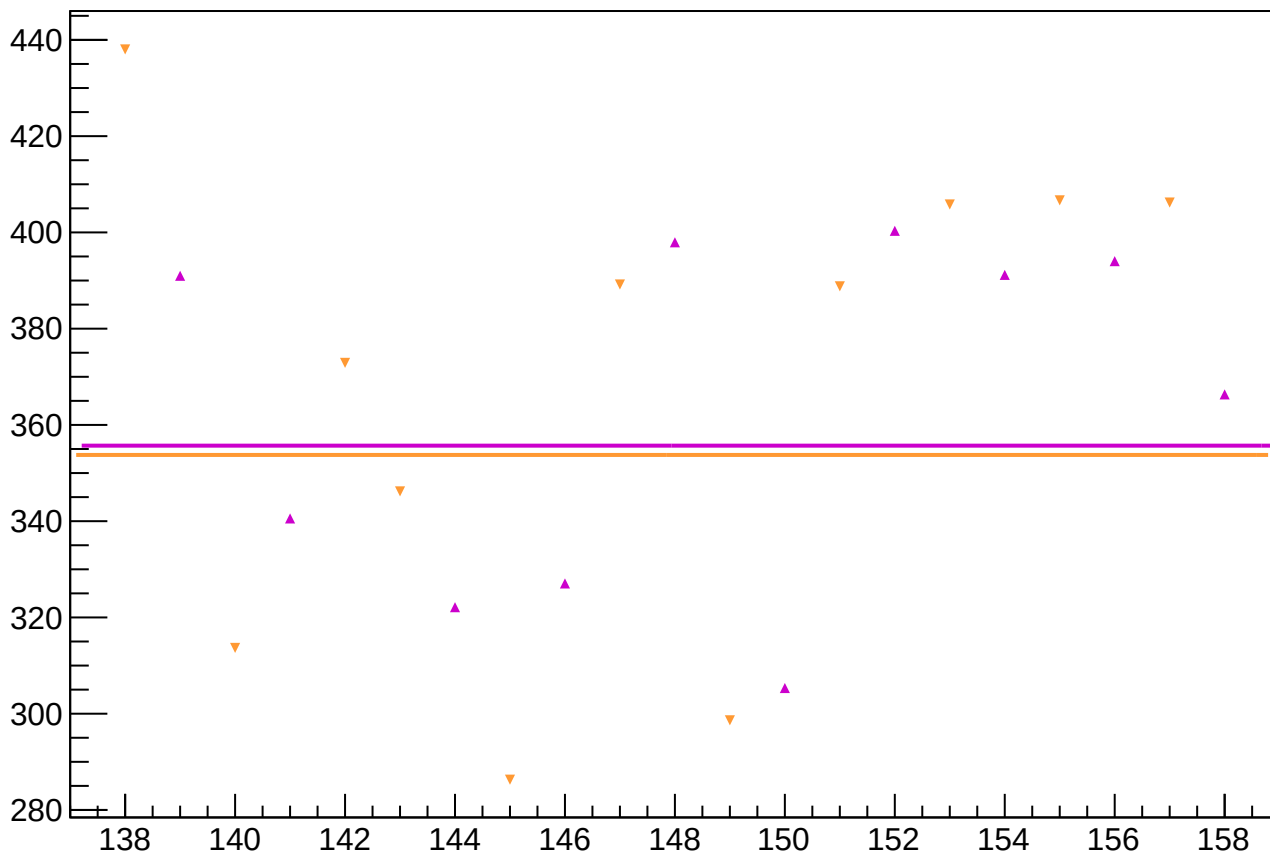
490.770 $\pm$ 125.727 χ^2 /NDF: 8.5/10

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

244.899 $\pm$ 125.436 χ^2 /NDF: 9.4/9

Left In: 244.899 $\pm$ 125.436 χ^2 /NDF: 9.4/9

asym_sam_37_48_dd_correction_rms vs Slug



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

Left Out: 353.763+/-0.089 χ^2/NDF : 326315.0/10

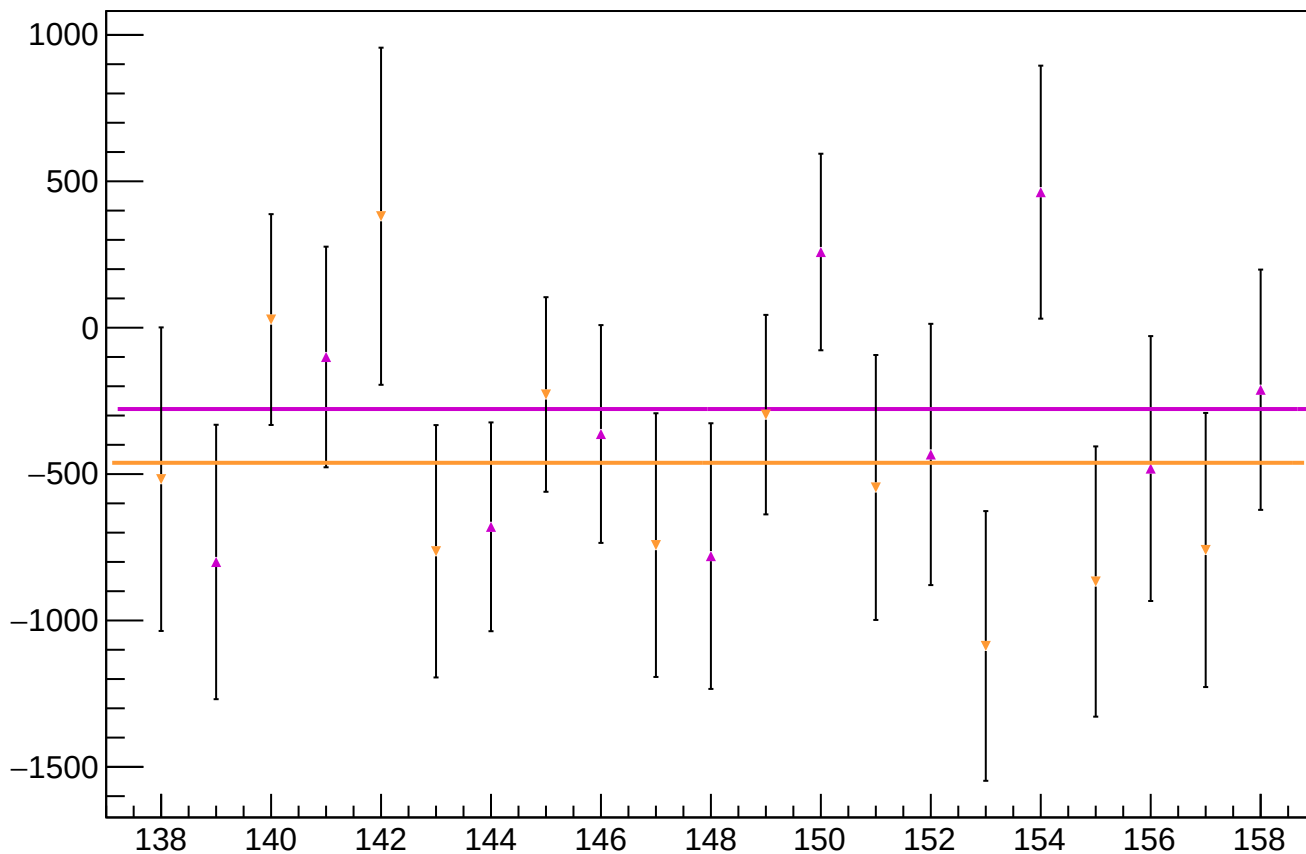
353.763+/-0.089 χ^2/NDF : 326315.0/10

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

355.694+/-0.089 χ^2/NDF : 160803.5/9

Left In: 355.694+/-0.089 χ^2/NDF : 160803.5/9

asym_sam_37_48_dd_mean vs Slug



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

Left Out: -461.424+/-127.731 χ^2/NDF : 8.7/10

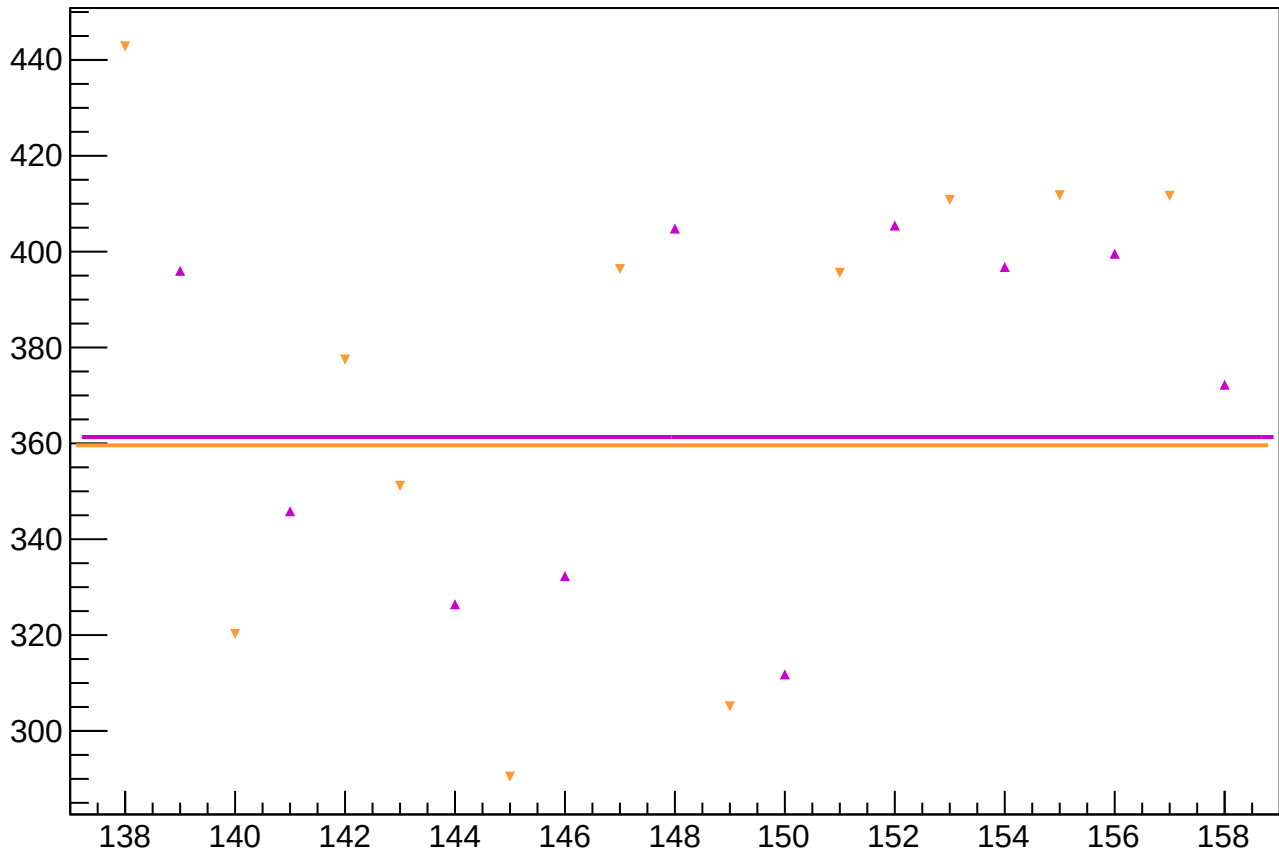
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -277.777+/-127.382 χ^2/NDF : 9.9/9

-461.424+/-127.731 χ^2/NDF : 8.7/10

-277.777+/-127.382 χ^2/NDF : 9.9/9

asym_sam_37_48_dd_rms vs Slug



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

Left Out: 359.596+/-0.090 χ^2/NDF :316821.2/10

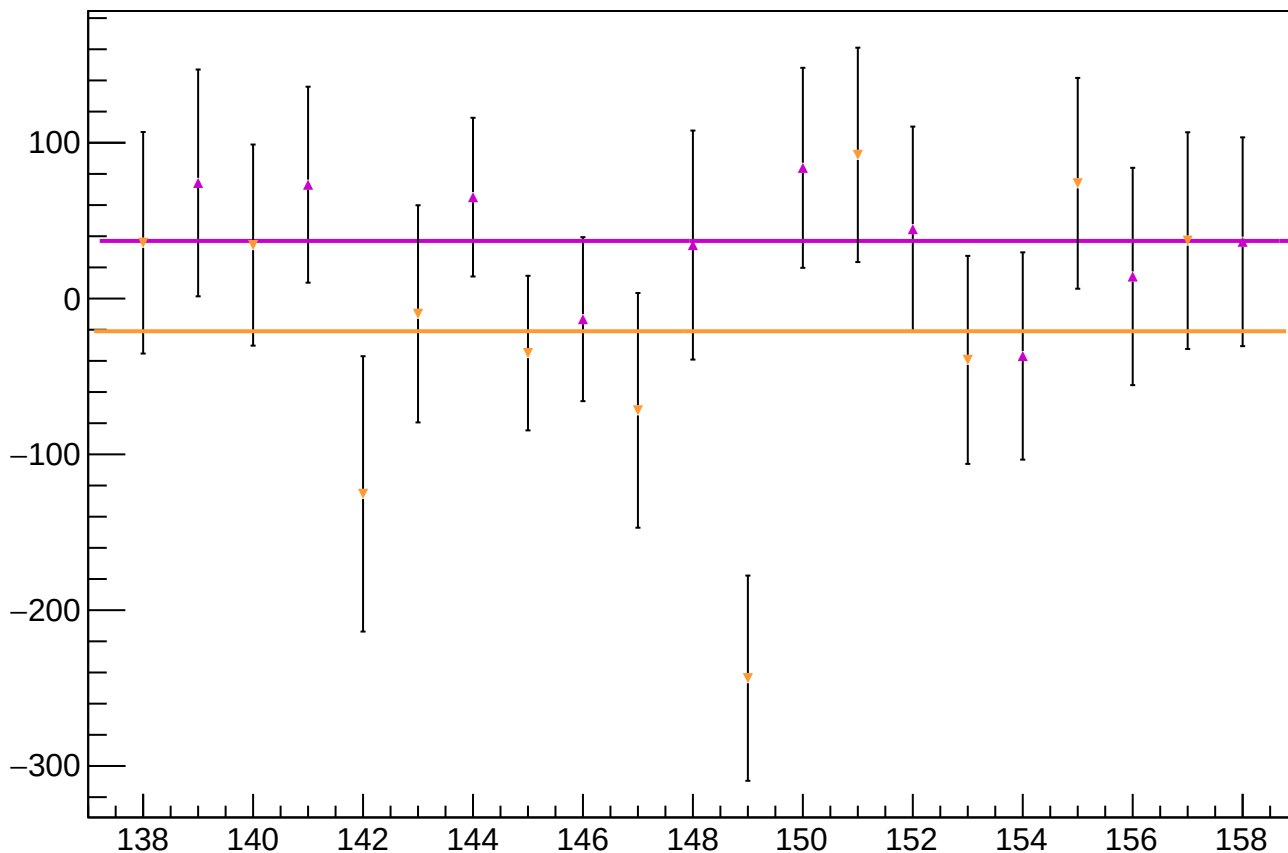
359.596+/-0.090 χ^2/NDF : 316821.2/10

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

361.327+/-0.090 χ^2/NDF : 156326.0/9

Left In: 361.327+/-0.090 χ^2/NDF :156326.0/9

reg_asym_sam_15_26_dd_mean vs Slug



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

Left Out: -20.972+/-20.221 χ^2/NDF : 20.2/10

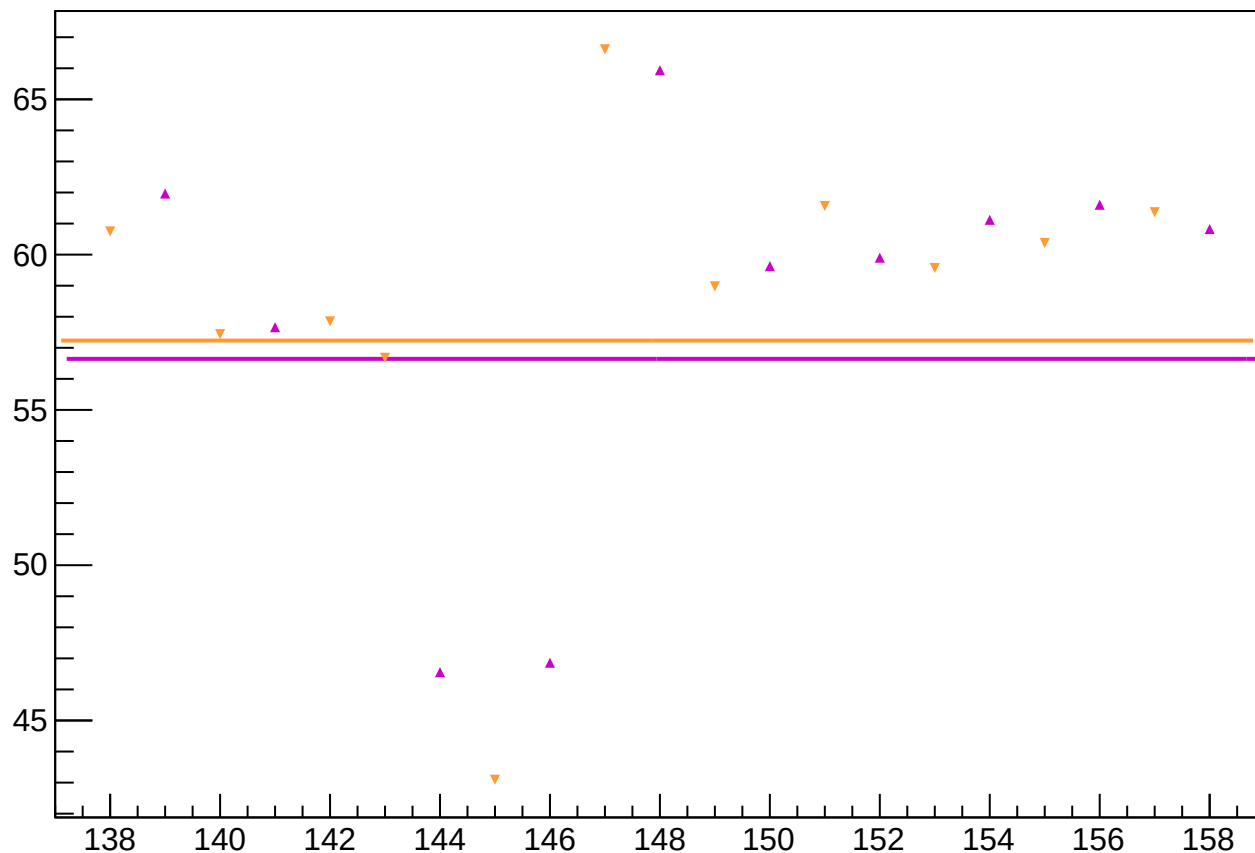
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 36.989+/-19.995 χ^2/NDF : 3.7/9

-20.972+/-20.221 χ^2/NDF : 20.2/10

36.989+/-19.995 χ^2/NDF : 3.7/9

reg_asym_sam_15_26_dd_rms vs Slug



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

Left Out: 57.234+/-0.014 χ^2/NDF :221706.9/10

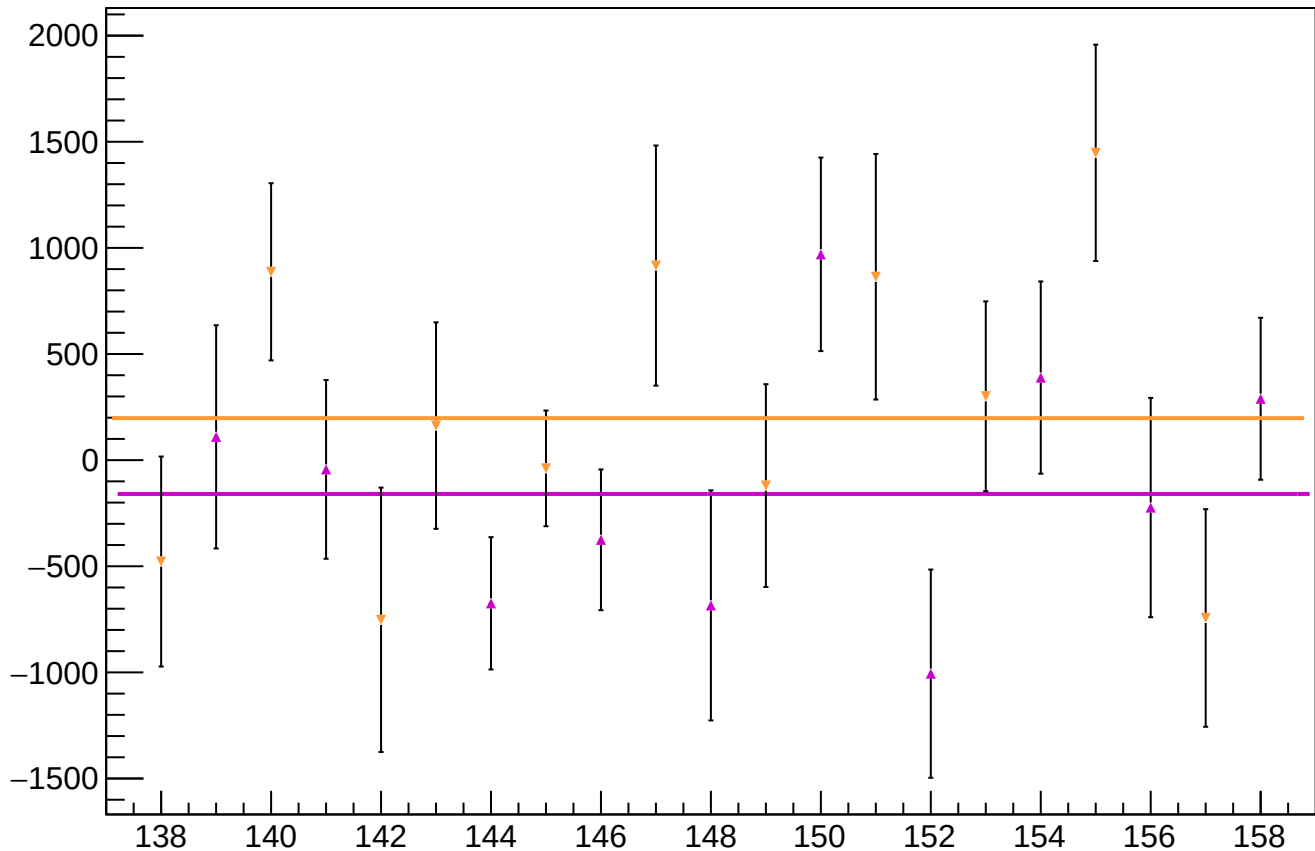
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 56.644+/-0.014 χ^2/NDF :227003.7/9

57.234+/-0.014 χ^2/NDF : 221706.9/10

56.644+/-0.014 χ^2/NDF : 227003.7/9

asym_sam_15_26_dd_correction_mean vs Slug



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

Left Out: 197.936+/-137.036 χ^2/NDF : 20.5/10

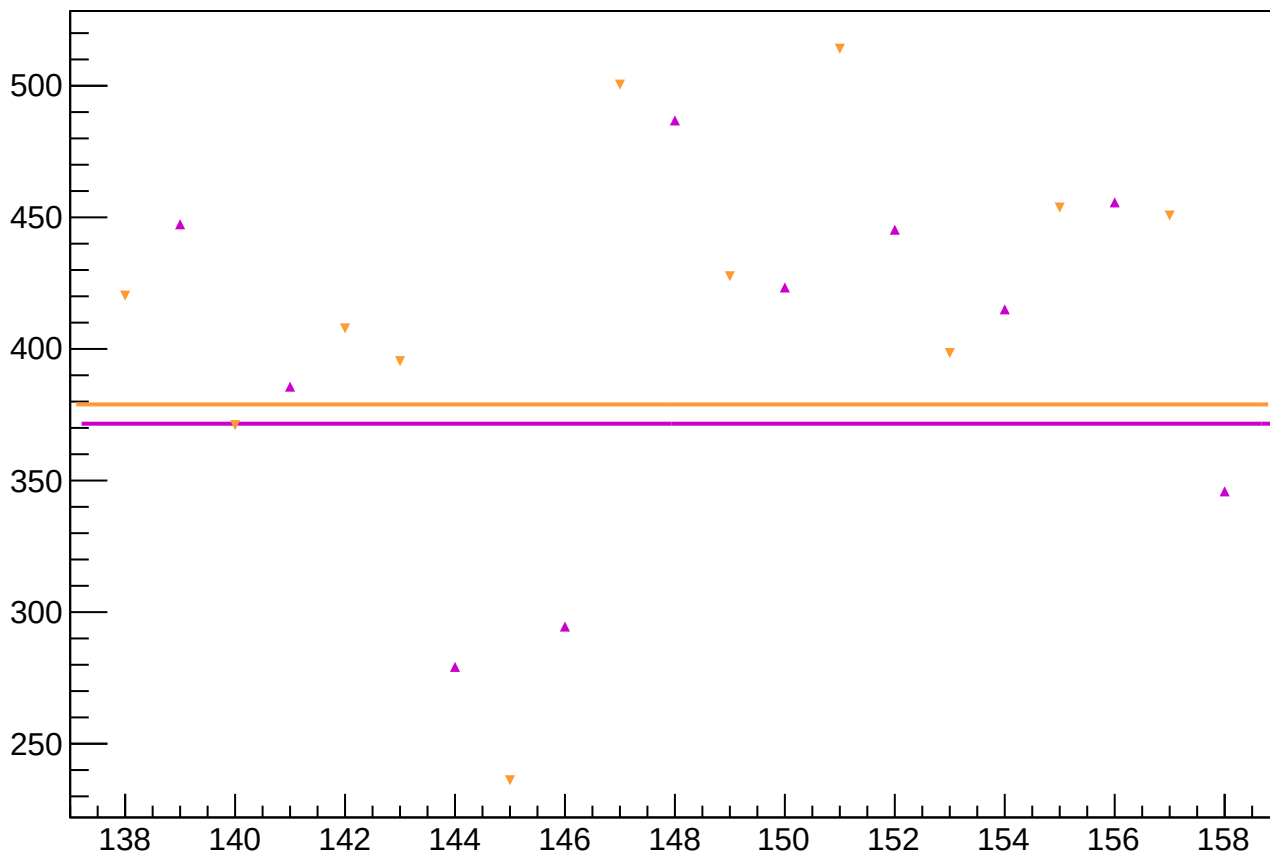
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -159.297+/-133.033 χ^2/NDF : 16.4/9

197.936+/-137.036 χ^2/NDF : 20.5/10

-159.297+/-133.033 χ^2/NDF : 16.4/9

asym_sam_15_26_dd_correction_rms vs Slug



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

Left Out: 378.929+/-0.097 χ^2/NDF : 878854.4/10

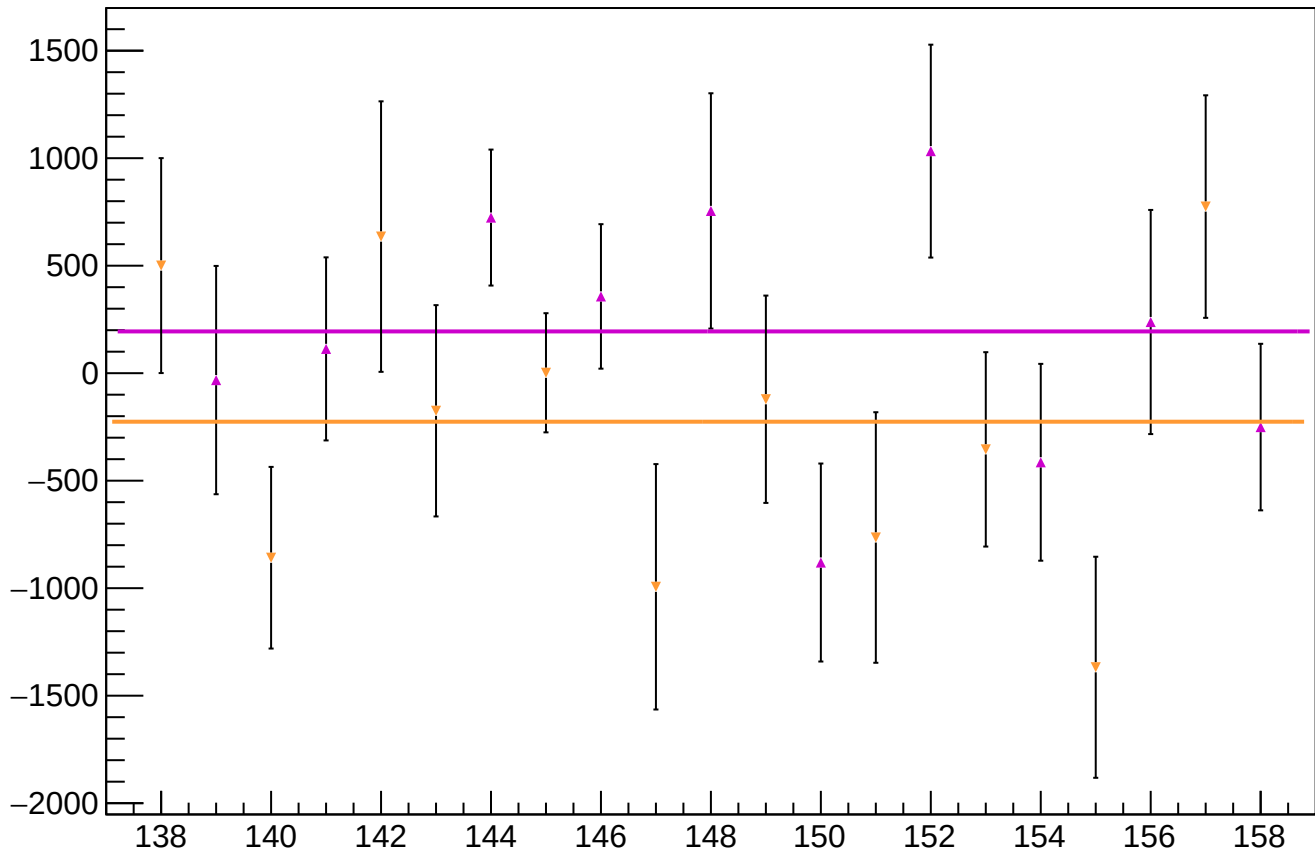
378.929+/-0.097 χ^2/NDF : 878854.4/10

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

371.598+/-0.094 χ^2/NDF : 569307.8/9

Left In: 371.598+/-0.094 χ^2/NDF : 569307.8/9

asym_sam_15_26_dd_mean vs Slug



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

Left Out: -225.662 $\pm$ 138.646 χ^2 /NDF:18.4/10

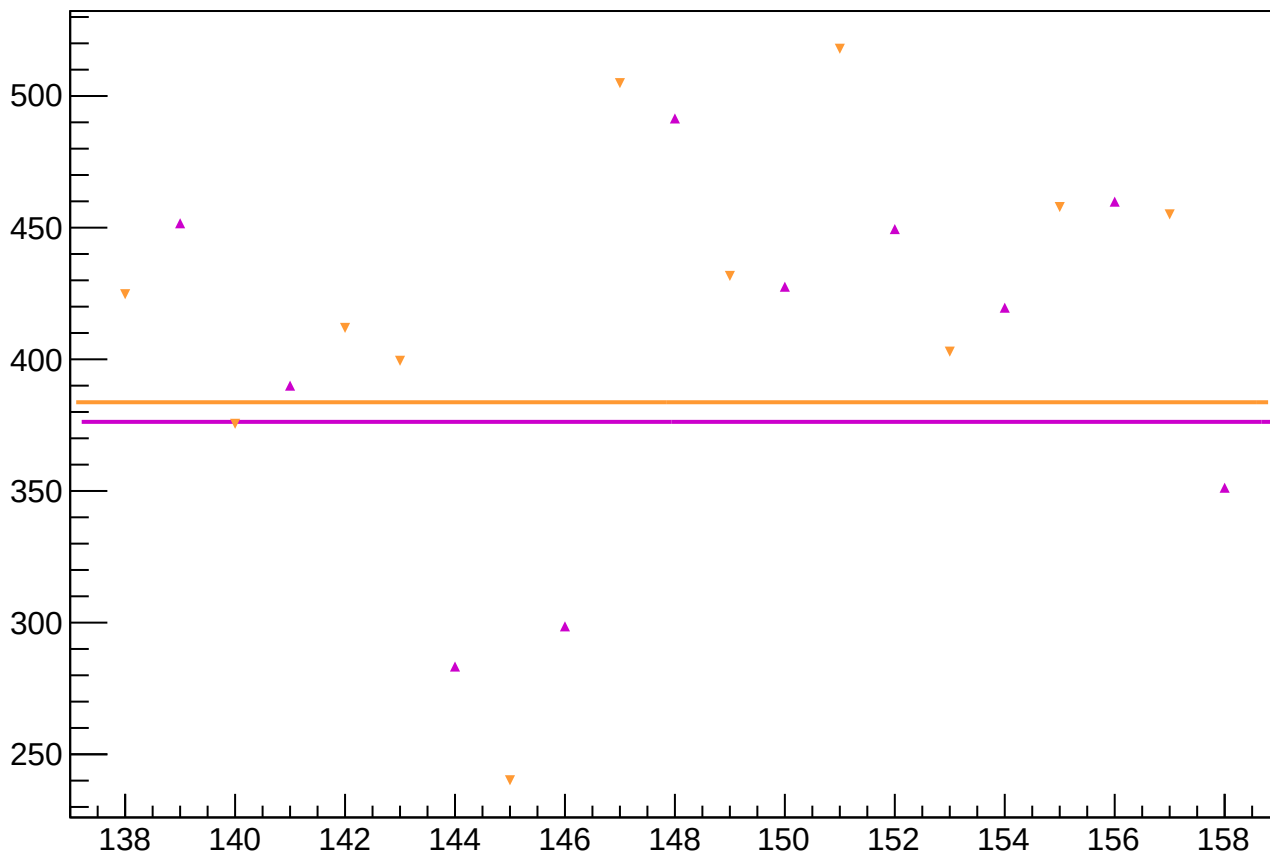
-225.662 $\pm$ 138.646 χ^2 /NDF: 18.4/10

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

194.263 $\pm$ 134.627 χ^2 /NDF: 15.7/9

Left In: 194.263 $\pm$ 134.627 χ^2 /NDF:15.7/9

asym_sam_15_26_dd_rms vs Slug



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

Left Out: 383.696+/-0.098 χ^2/NDF : 856428.4/10

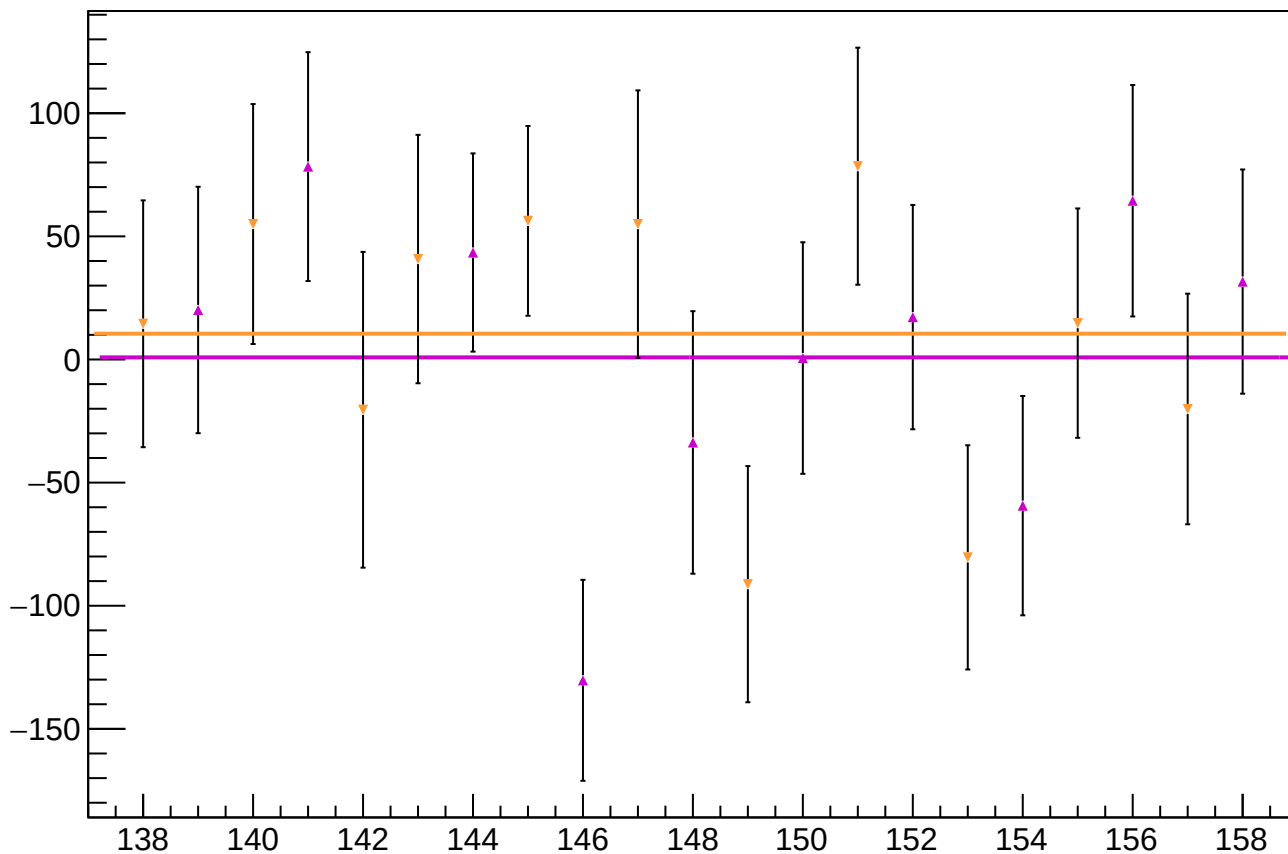
383.696+/-0.098 χ^2/NDF : 856428.4/10

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

376.248+/-0.095 χ^2/NDF : 556983.5/9

Left In: 376.248+/-0.095 χ^2/NDF : 556983.5/9

reg_asym_sam_37_26_dd_mean vs Slug



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

Left Out: 10.481+/-14.533 χ^2/NDF :14.4/10

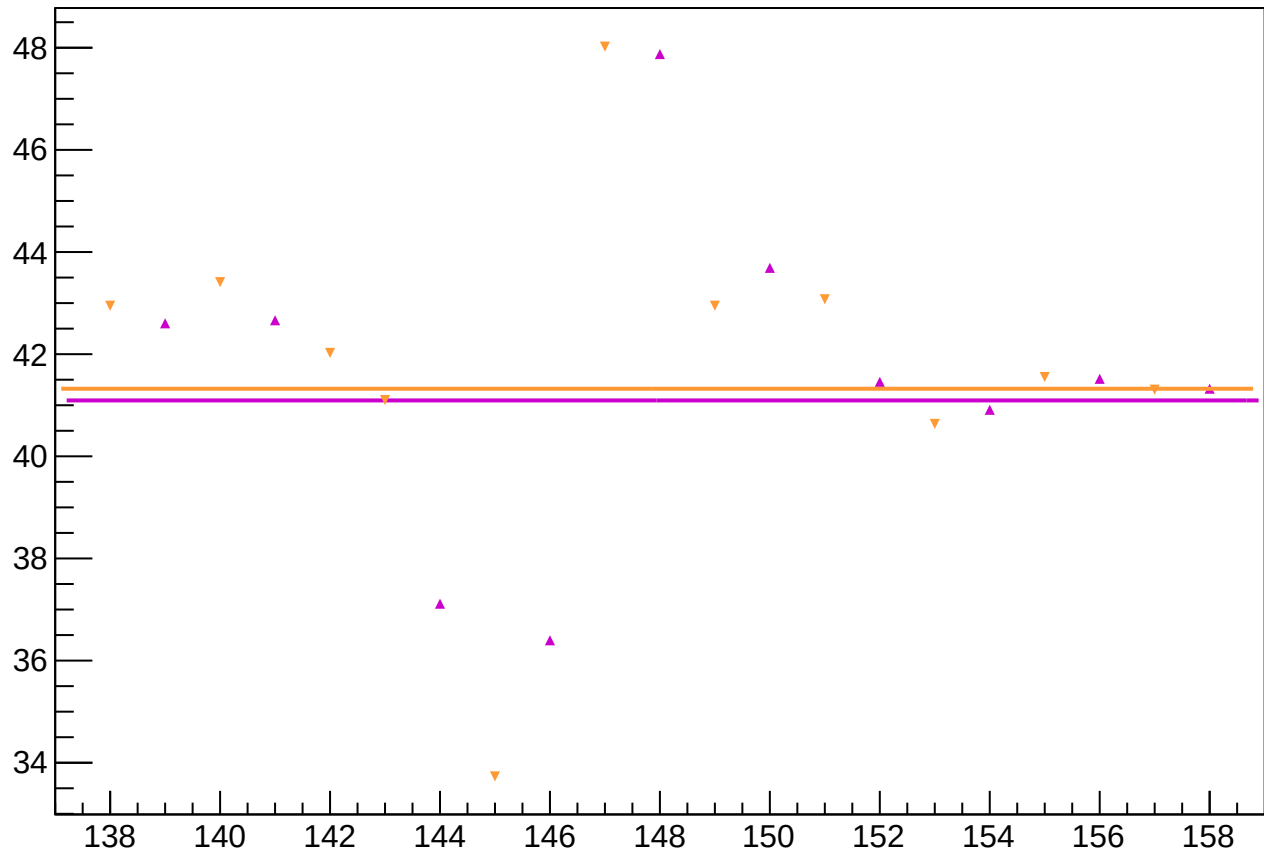
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.851+/-14.424 χ^2/NDF :19.0/9

10.481+/-14.533 χ^2/NDF : 14.4/10

0.851+/-14.424 χ^2/NDF : 19.0/9

reg_asym_sam_37_26_dd_rms vs Slug



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

Left Out: 41.323+/-0.010 χ^2/NDF :119537.8/10

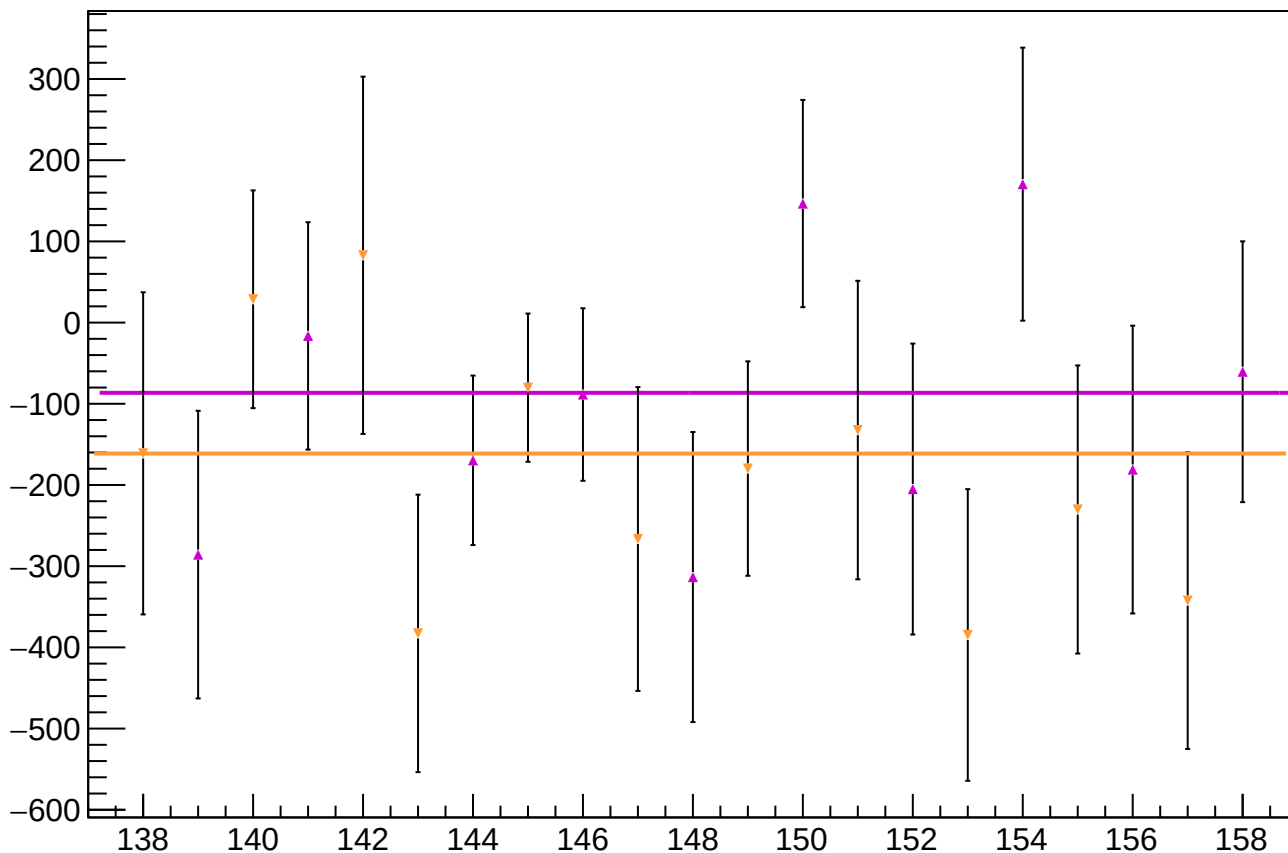
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 41.094+/-0.010 χ^2/NDF :89002.8/9

41.323+/-0.010 χ^2/NDF : 119537.8/10

41.094+/-0.010 χ^2/NDF : 89002.8/9

asym_sam_37_26_dd_correction_mean vs Slug



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

Left Out: -161.253+/-46.417 χ^2/NDF : 8.8/10

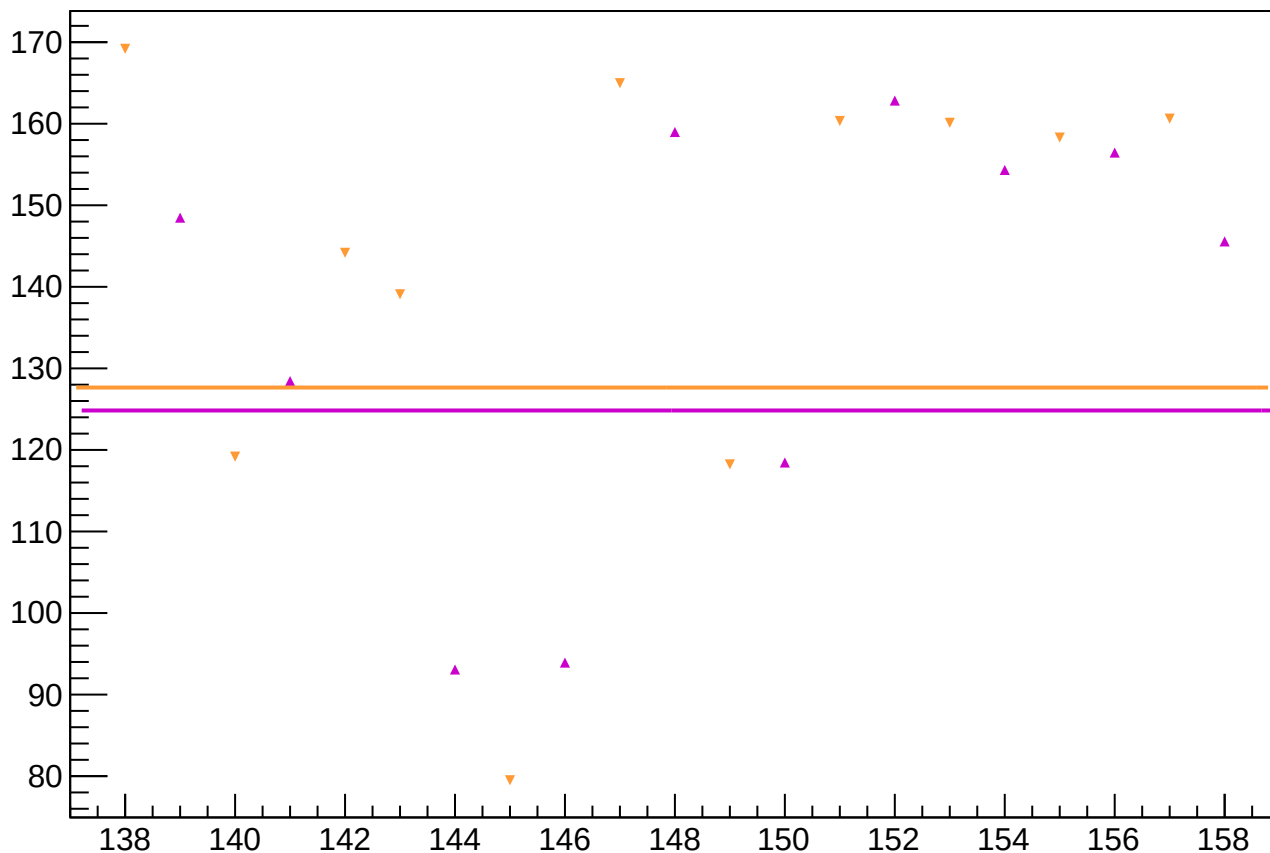
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -86.488+/-45.027 χ^2/NDF : 10.2/9

-161.253+/-46.417 χ^2/NDF : 8.8/10

-86.488+/-45.027 χ^2/NDF : 10.2/9

asym_sam_37_26_dd_correction_rms vs Slug



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

Left Out: 127.652+/-0.033 χ^2/NDF :1015504.8/10

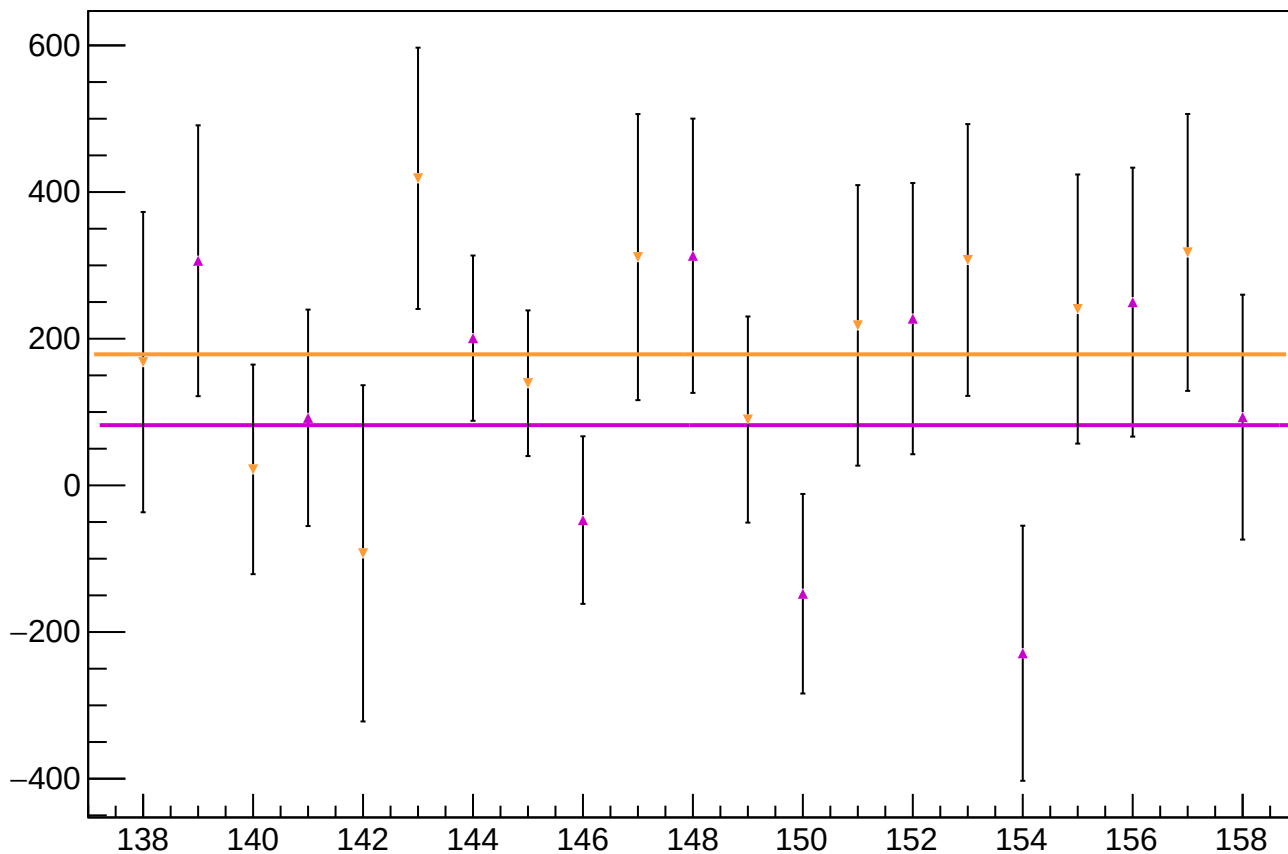
127.652+/-0.033 χ^2/NDF : 1015504.8/10

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

124.837+/-0.032 χ^2/NDF : 718295.8/9

Left In: 124.837+/-0.032 χ^2/NDF :718295.8/9

asym_sam_37_26_dd_mean vs Slug



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

Left Out: 178.713+/-49.041 χ^2/NDF : 6.6/10

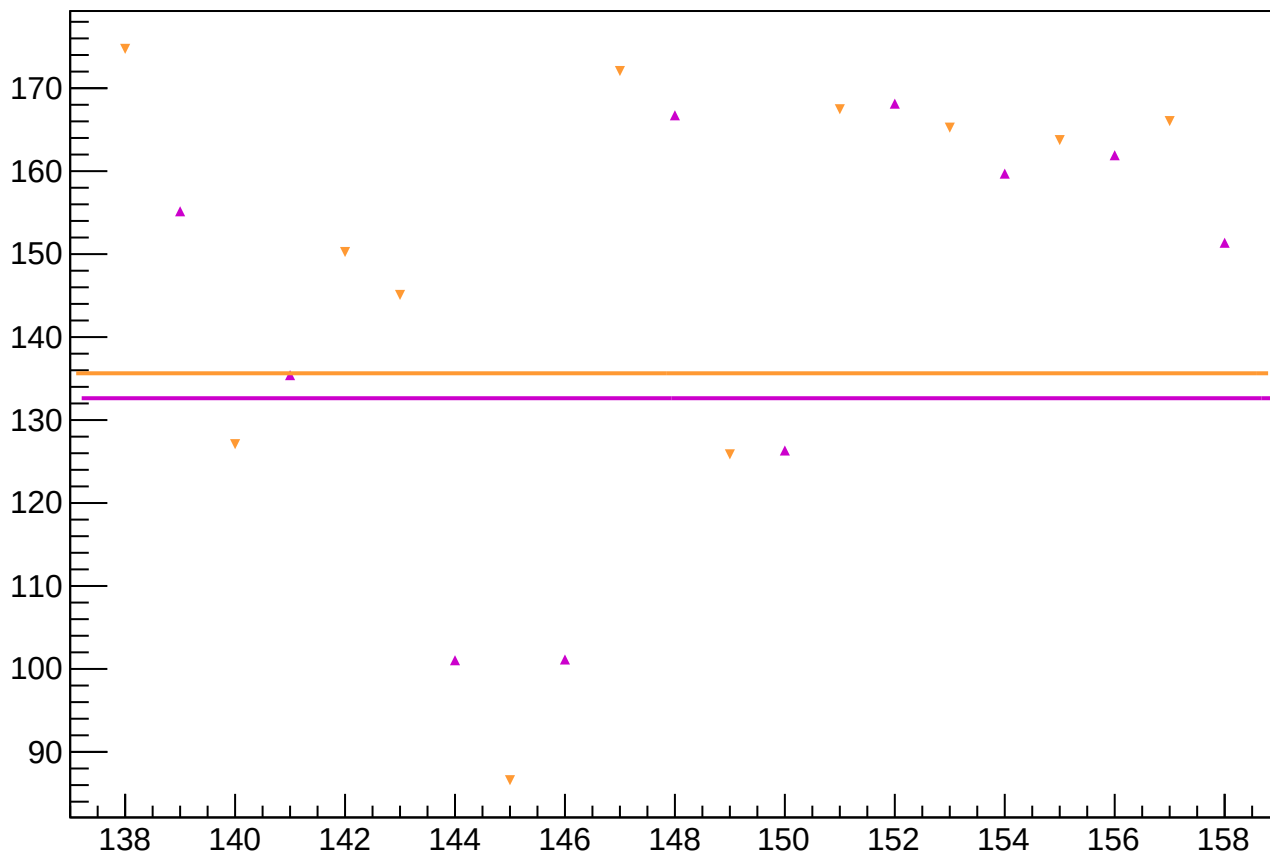
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 82.107+/-47.613 χ^2/NDF : 12.9/9

178.713+/-49.041 χ^2/NDF : 6.6/10

82.107+/-47.613 χ^2/NDF : 12.9/9

asym_sam_37_26_dd_rms vs Slug



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

Left Out: 135.636+/-0.035 χ^2/NDF : 866119.4/10

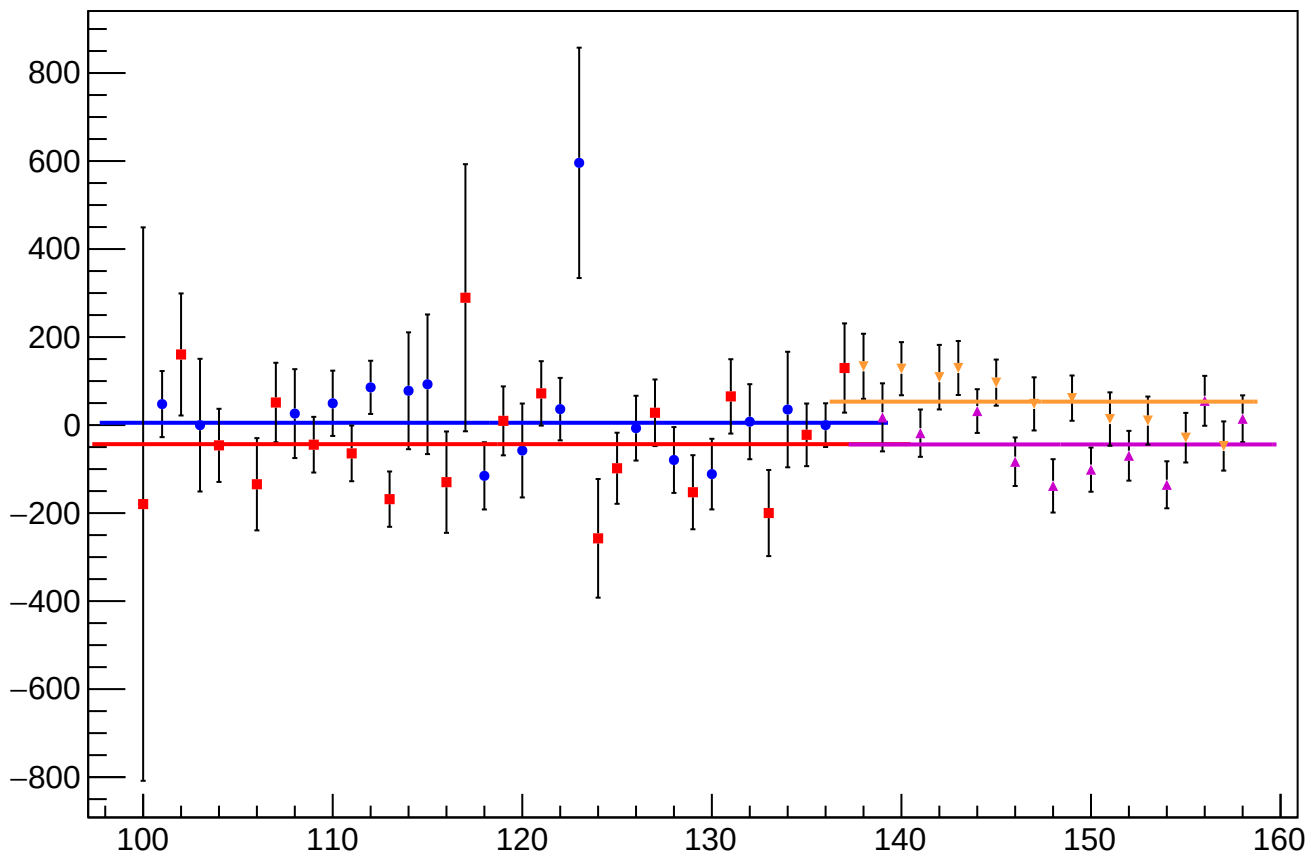
135.636+/-0.035 χ^2/NDF : 866119.4/10

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

132.630+/-0.034 χ^2/NDF : 608731.7/9

Left In: 132.630+/-0.034 χ^2/NDF : 608731.7/9

reg_asym_sam_1357_avg_mean vs Slug



Right In: 5.220 $\pm$ 20.150 χ^2/NDF : 14.7/16

Left Out: 53.254 $\pm$ 17.769 χ^2/NDF : 12.0/10

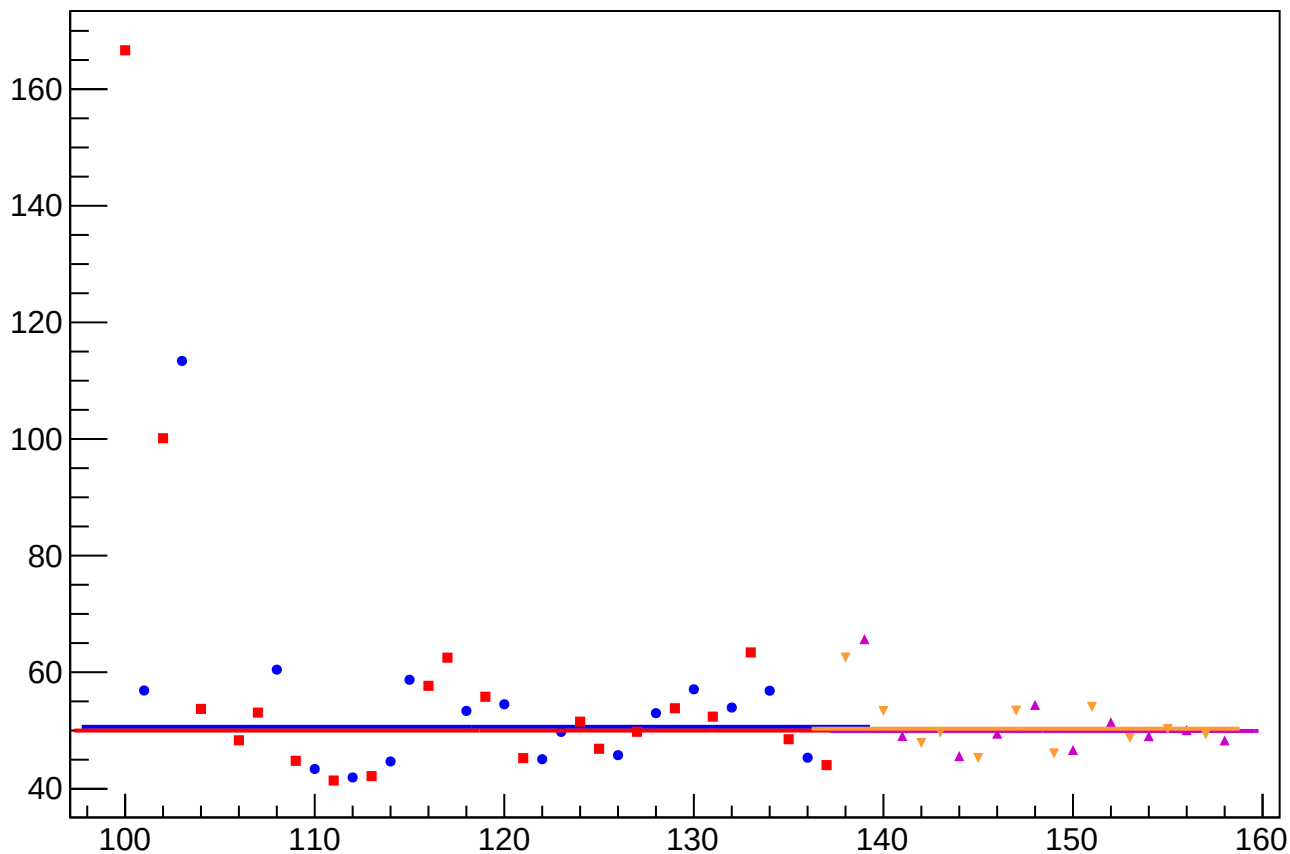
Right Out: -43.354 $\pm$ 19.371 χ^2/NDF : 25.6/19

Left In: -44.021 $\pm$ 17.559 χ^2/NDF : 14.8/9

32.241 $\pm$ 13.328 χ^2/NDF : 29.9/27

-43.720 $\pm$ 13.010 χ^2/NDF : 40.4/29

reg_asym_sam_1357_avg_rms vs Slug



Right In: 50.635 ± 0.014 $\chi^2/\text{NDF}: 519687.1/16$

Left Out: 50.312 ± 0.013 $\chi^2/\text{NDF}: 108927.6/10$

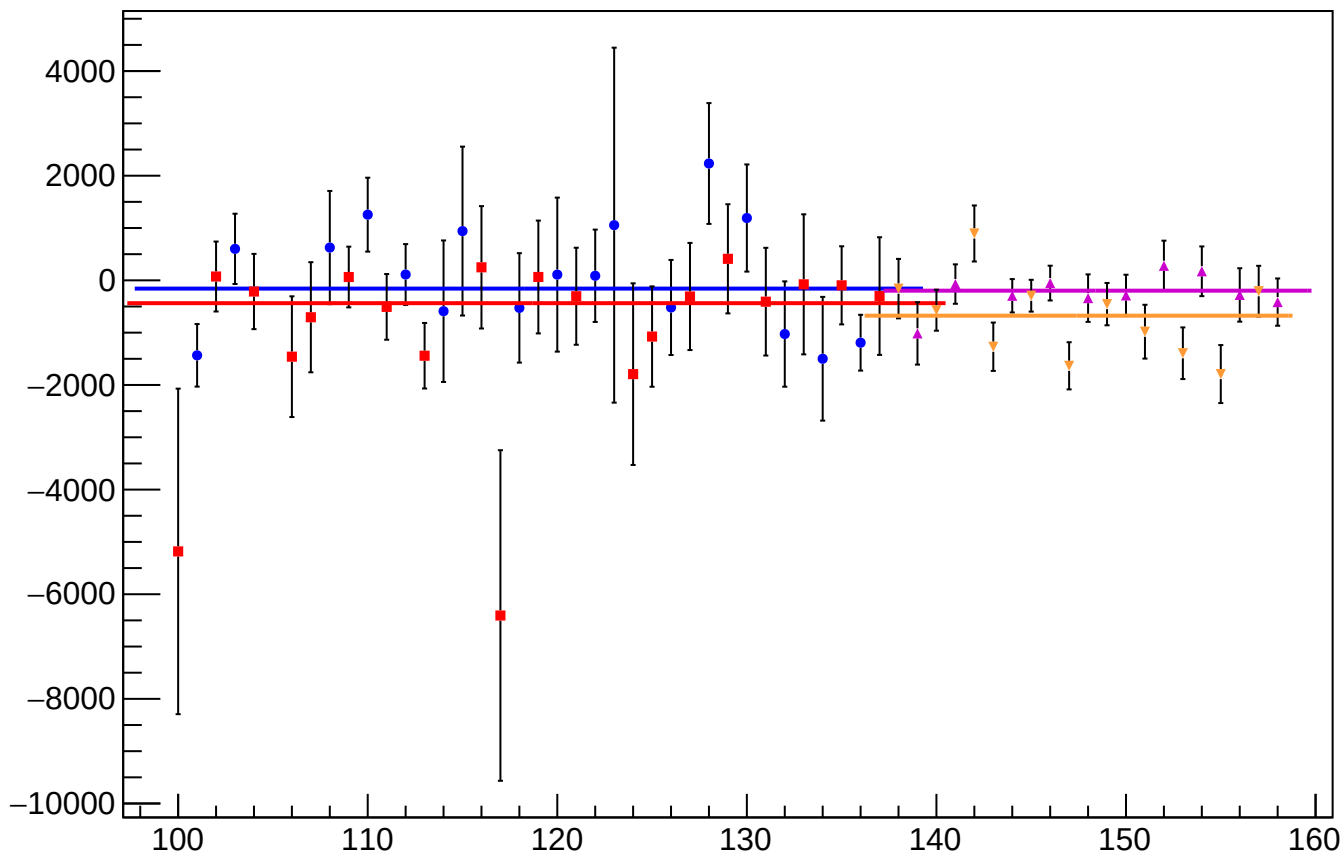
Right Out: 49.994 ± 0.014 $\chi^2/\text{NDF}: 503898.1/19$

Left In: 49.928 ± 0.012 $\chi^2/\text{NDF}: 121747.1/9$

50.453 ± 0.009 $\chi^2/\text{NDF}: 628904.1/27$

49.958 ± 0.009 $\chi^2/\text{NDF}: 625657.9/29$

asym_sam_1357_avg_correction_mean vs Slug



Right In: -158.001 ± 210.181 χ^2/NDF : 23.5/16

Left Out: -675.611 ± 134.809 χ^2/NDF : 25.0/10

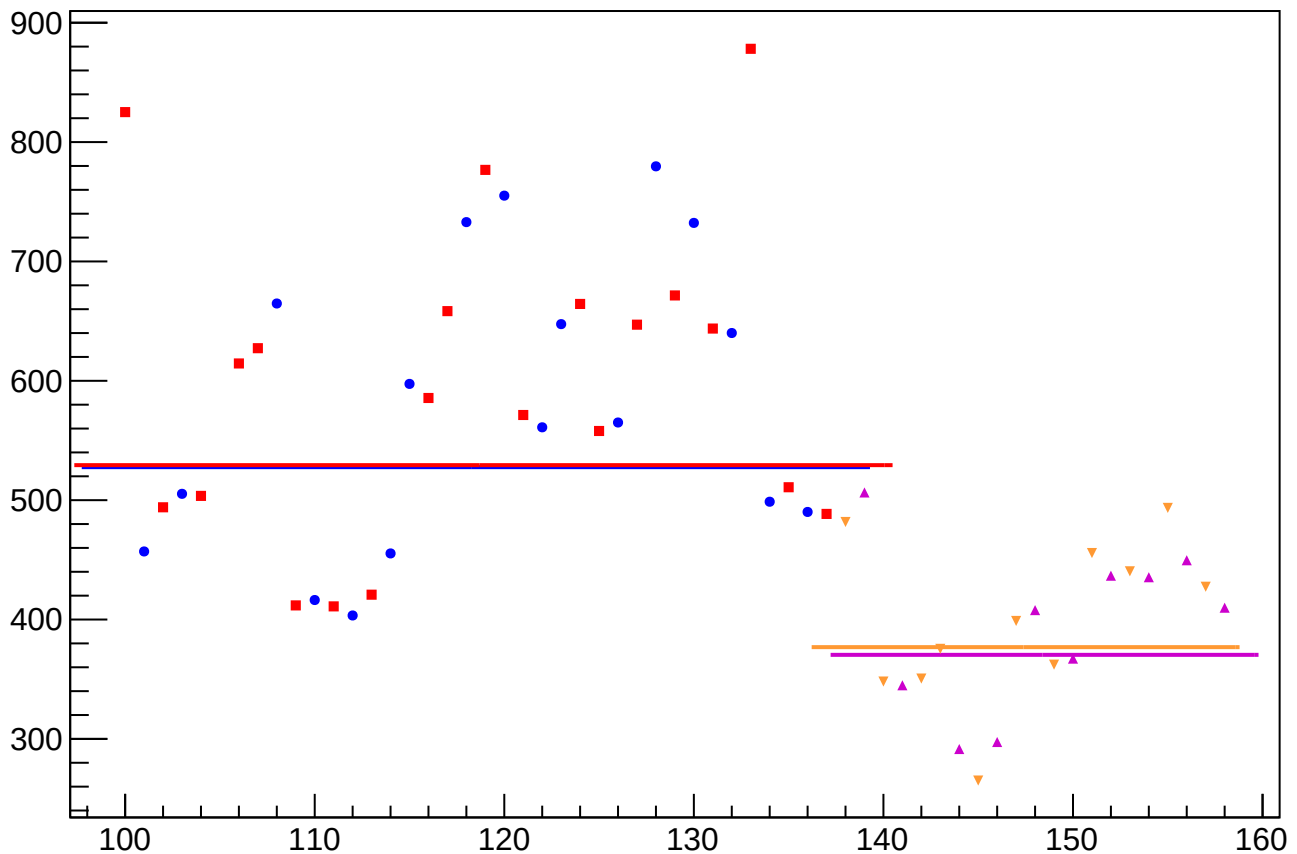
Right Out: -436.410 ± 203.212 χ^2/NDF : 13.4/19

Left In: -197.696 ± 131.892 χ^2/NDF : 4.3/9

-524.740 ± 113.474 χ^2/NDF : 52.8/27

-268.449 ± 110.632 χ^2/NDF : 18.6/29

asym_sam_1357_avg_correction_rms vs Slug



Right In: 527.663 ± 0.149 $\chi^2/\text{NDF}: 557423.6/16$

Left Out: 376.869 ± 0.095 $\chi^2/\text{NDF}: 552087.4/10$

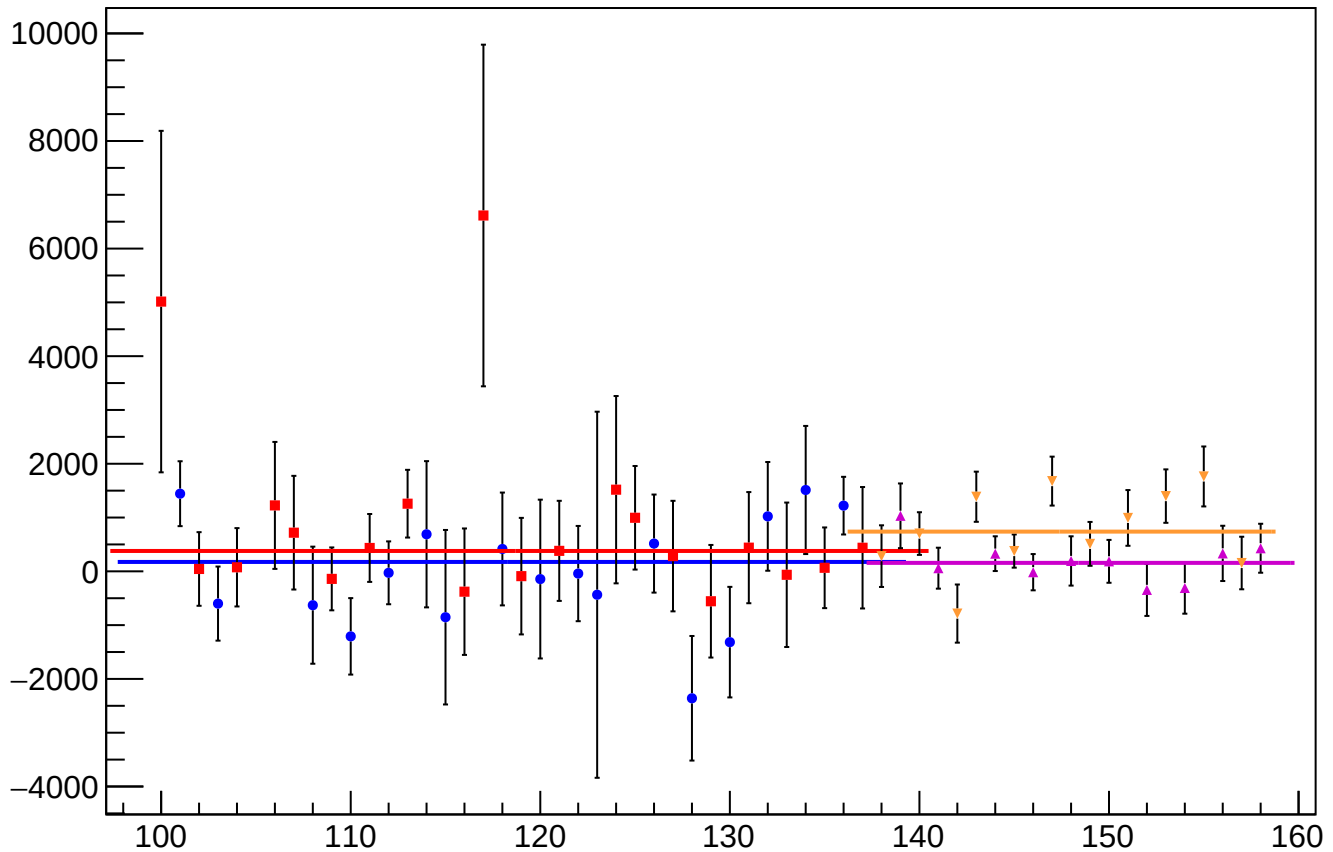
Right Out: 529.342 ± 0.144 $\chi^2/\text{NDF}: 626714.3/19$

Left In: 370.415 ± 0.093 $\chi^2/\text{NDF}: 485000.9/9$

420.822 ± 0.080 $\chi^2/\text{NDF}: 1838912.7/27$

417.520 ± 0.078 $\chi^2/\text{NDF}: 1972429.4/29$

asym_sam_1357_avg_mean vs Slug



Right In: 174.605 ± 211.662 χ^2/NDF : 23.7/16

Left Out: 738.461 ± 136.126 χ^2/NDF : 23.3/10

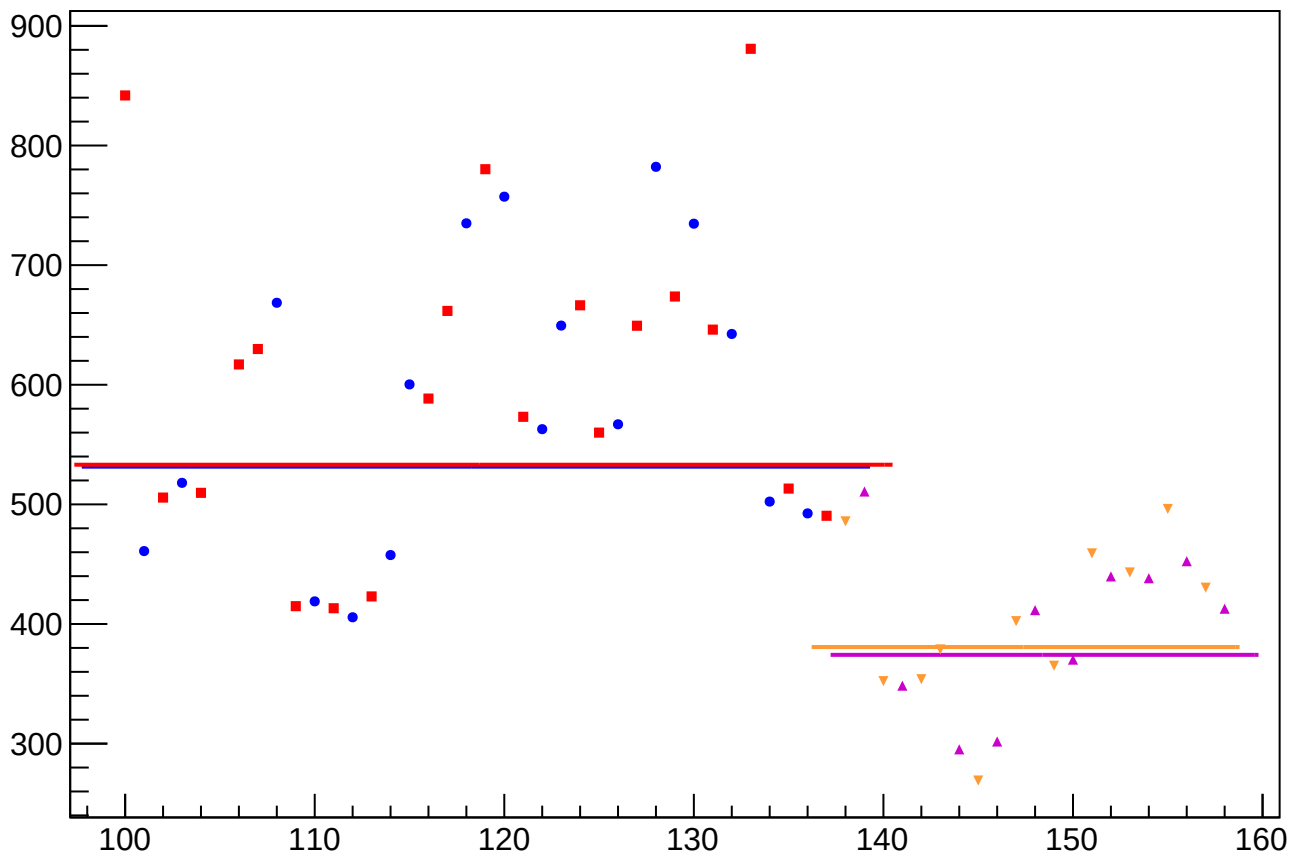
Right Out: 378.609 ± 204.777 χ^2/NDF : 12.3/19

Left In: 157.252 ± 133.180 χ^2/NDF : 5.2/9

573.481 ± 114.492 χ^2/NDF : 52.0/27

223.050 ± 111.645 χ^2/NDF : 18.4/29

asym_sam_1357_avg_rms vs Slug



Right In: 531.554+/-0.150 χ^2/NDF : 550087.6/16

Left Out: 380.754+/-0.096 χ^2/NDF : 535261.1/10

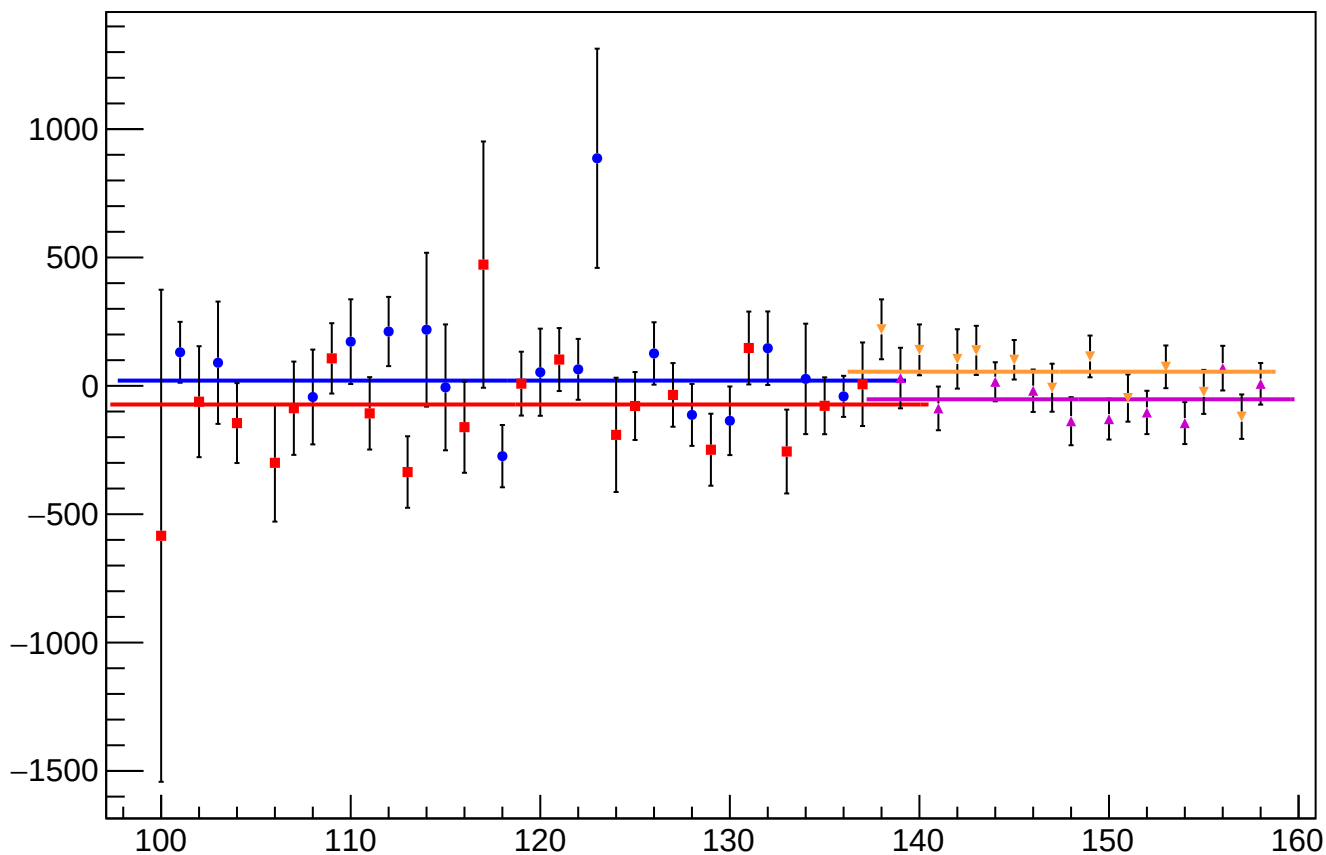
Right Out: 533.157+/-0.145 χ^2/NDF : 619038.4/19

Left In: 374.217+/-0.094 χ^2/NDF : 471289.9/9

424.877+/-0.081 χ^2/NDF : 1803502.4/27

421.461+/-0.079 χ^2/NDF : 1937052.0/29

reg_asym_sam_2468_avg_mean vs Slug



Right In: 20.441 $\pm$ 34.583 χ^2 /NDF: 19.3/16

Left Out: 55.032 $\pm$ 27.459 χ^2 /NDF: 11.3/10

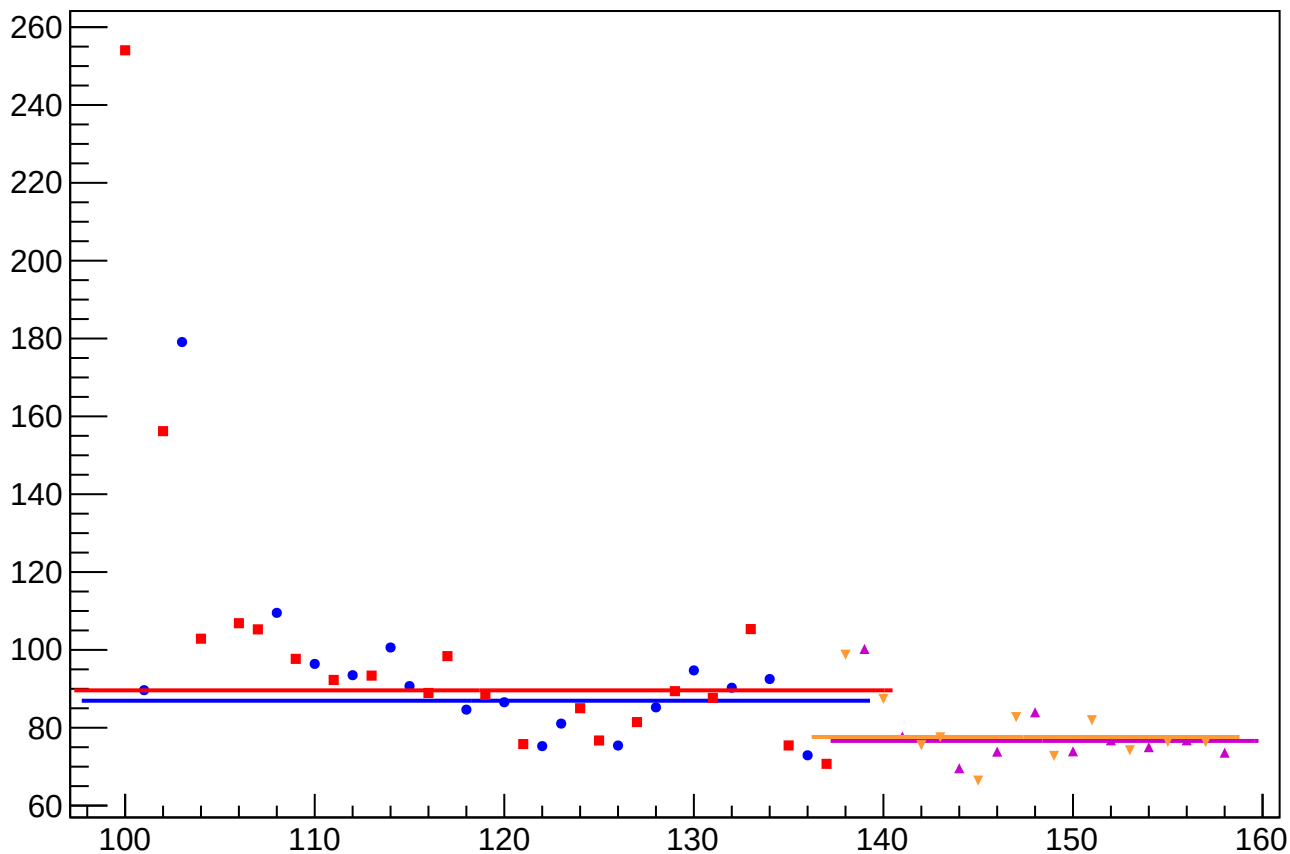
Right Out: -72.603 $\pm$ 34.608 χ^2 /NDF: 16.7/19

Left In: -52.375 $\pm$ 26.965 χ^2 /NDF: 7.6/9

41.657 $\pm$ 21.505 χ^2 /NDF: 31.1/27

-60.016 $\pm$ 21.271 χ^2 /NDF: 24.5/29

reg_asym_sam_2468_avg_rms vs Slug



Right In: 86.943+/-0.024 χ^2/NDF : 455809.4/16

Left Out: 77.630+/-0.019 χ^2/NDF :150047.2/10

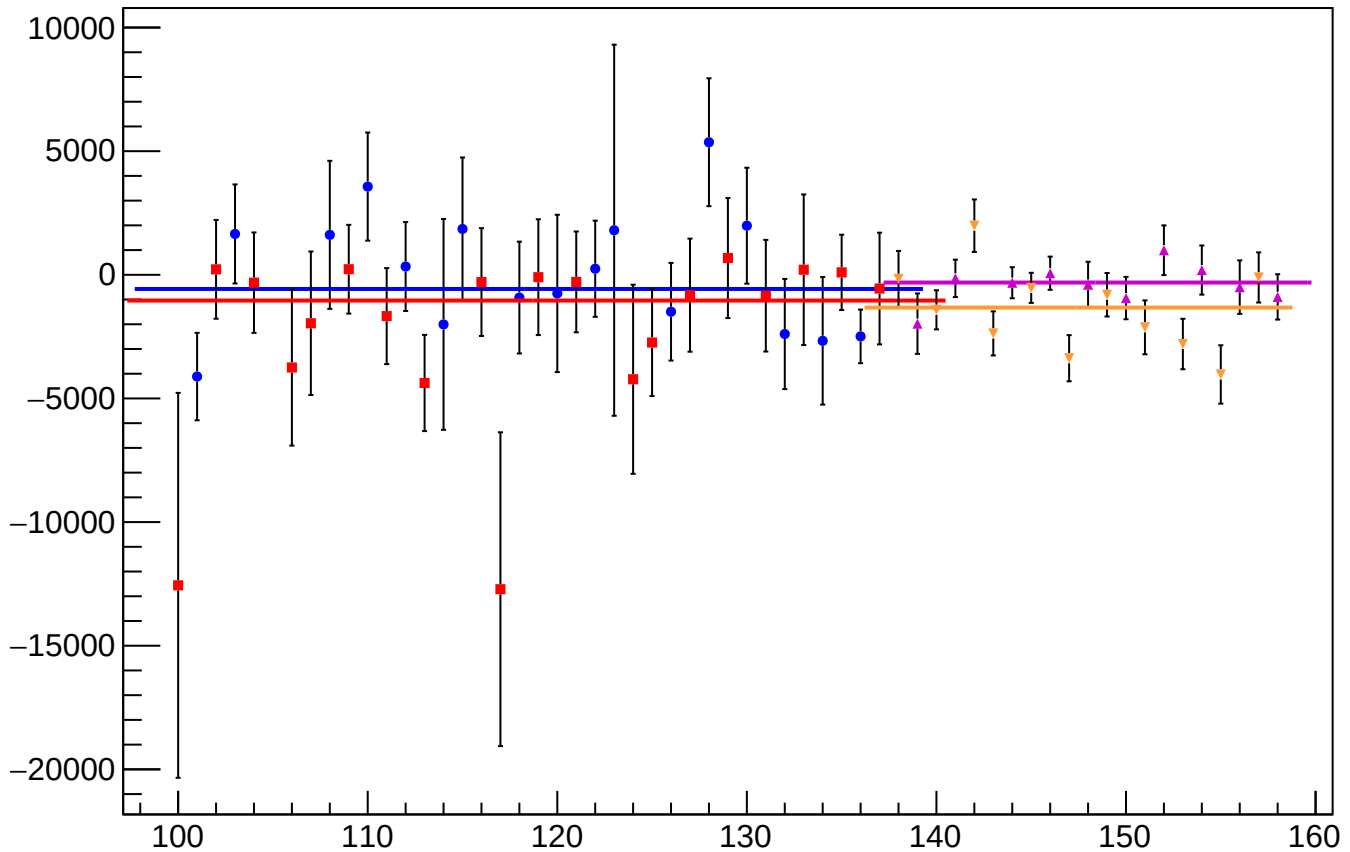
Right Out: 89.607+/-0.024 χ^2/NDF : 431905.8/19

Left In: 76.618+/-0.019 χ^2/NDF :118014.1/9

81.231+/-0.015 χ^2/NDF : 694798.7/27

81.524+/-0.015 χ^2/NDF : 725235.7/29

asym_sam_2468_avg_correction_mean vs Slug



Right In: -572.342 ± 517.020 χ^2/NDF : 21.9/16

Left Out: -1324.009 ± 275.617 χ^2/NDF : 28.4/10

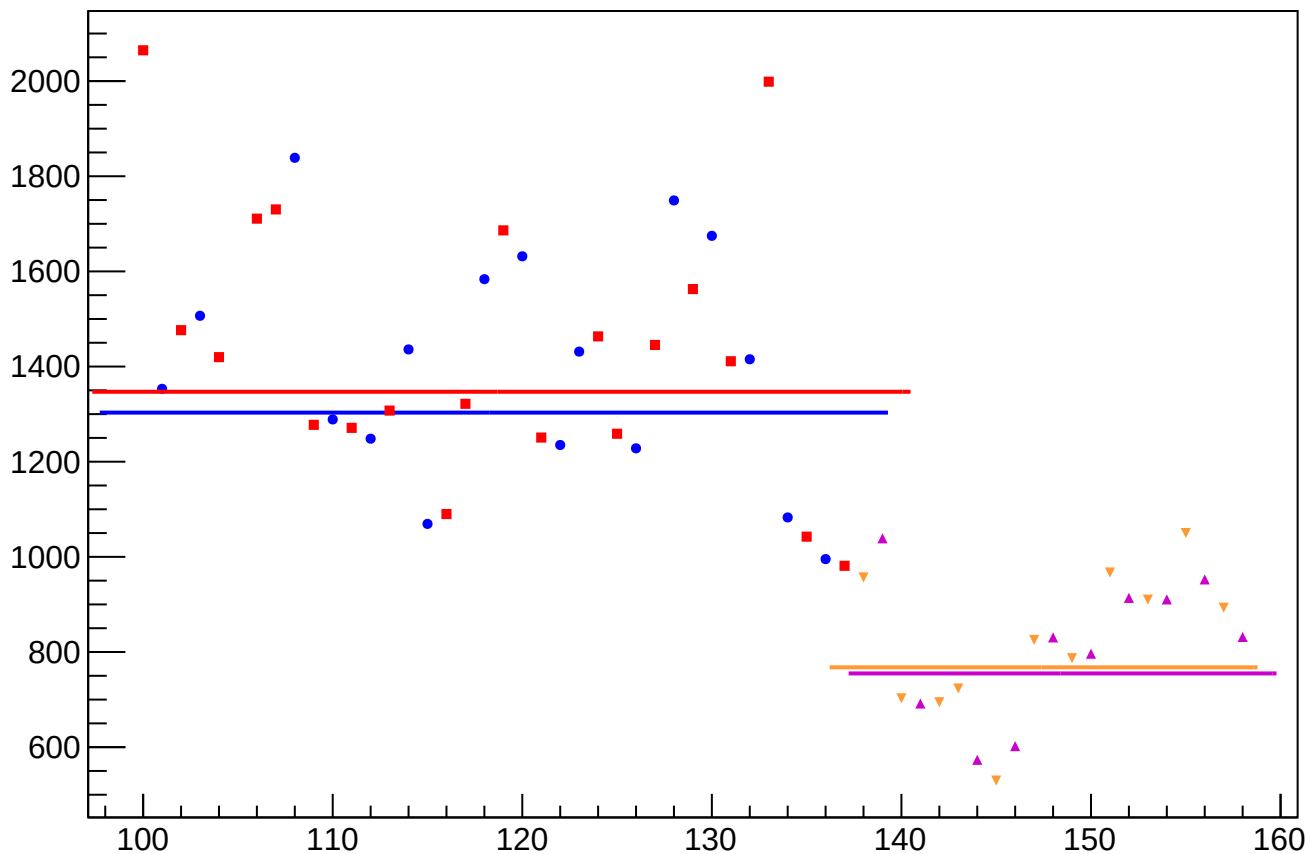
Right Out: -1040.618 ± 512.937 χ^2/NDF : 13.5/19

Left In: -312.670 ± 269.718 χ^2/NDF : 5.1/9

-1157.669 ± 243.217 χ^2/NDF : 51.9/27

-470.349 ± 238.726 χ^2/NDF : 20.2/29

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1303.201+/-0.366 χ^2/NDF : 451961.9/16

Left Out: 767.803+/-0.195 χ^2/NDF : 649562.6/10

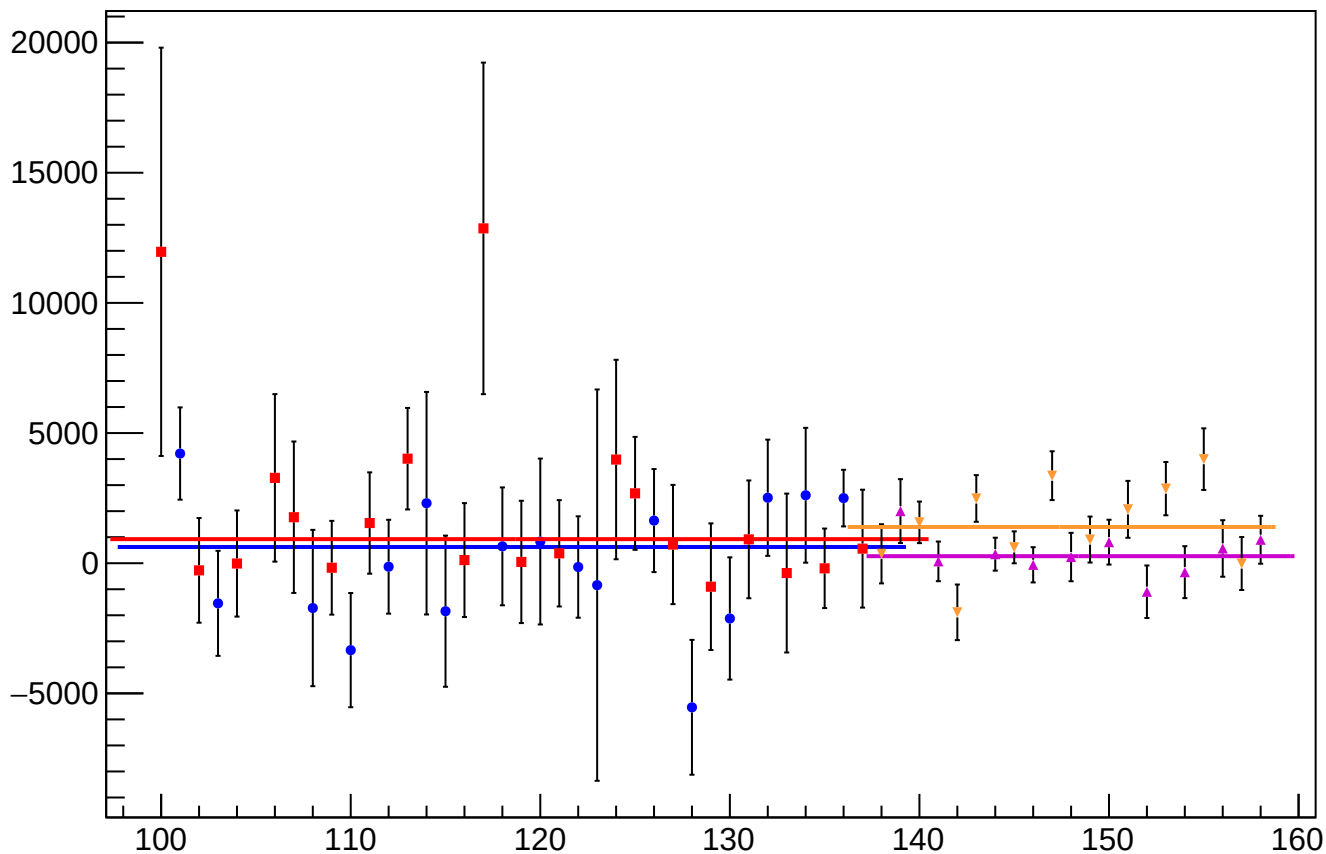
Right Out: 1347.011+/-0.363 χ^2/NDF : 420806.0/19

Left In: 754.969+/-0.191 χ^2/NDF : 590331.8/9

886.284+/-0.172 χ^2/NDF : 2771620.0/27

883.209+/-0.169 χ^2/NDF : 3098444.7/29

asym_sam_2468_avg_mean vs Slug



Right In: 622.411+/-518.496 χ^2/NDF : 22.0/16

Left Out: 1391.368+/-277.197 χ^2/NDF : 27.3/10

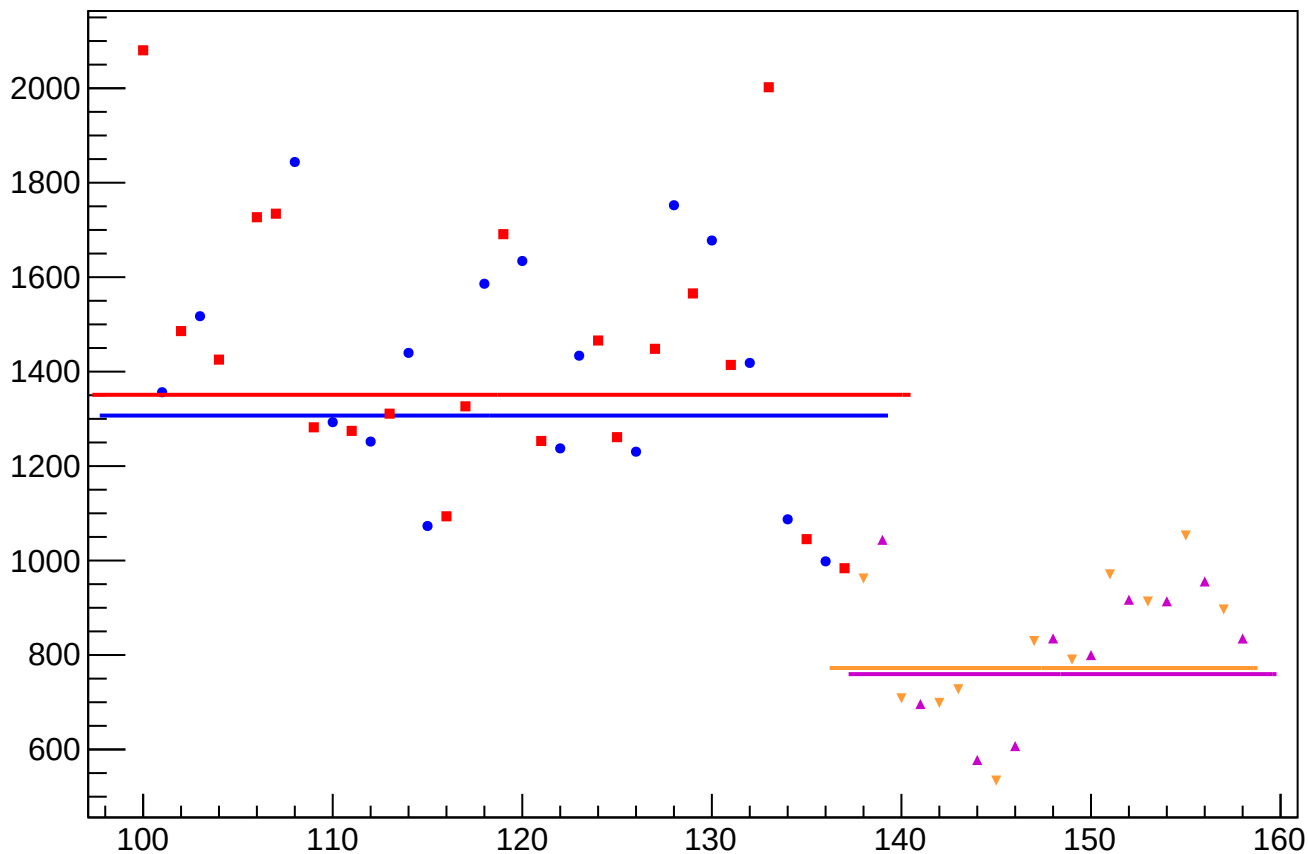
Right Out: 924.488+/-514.636 χ^2/NDF : 12.6/19

Left In: 270.181+/-271.254 χ^2/NDF : 5.5/9

1220.441+/-244.455 χ^2/NDF : 51.0/27

412.435+/-239.962 χ^2/NDF : 19.3/29

asym_sam_2468_avg_rms vs Slug



Right In: 1306.980 $\pm$ 0.367 χ^2 /NDF: 451191.7/16

Left Out: 772.473 $\pm$ 0.196 χ^2 /NDF: 638871.0/10

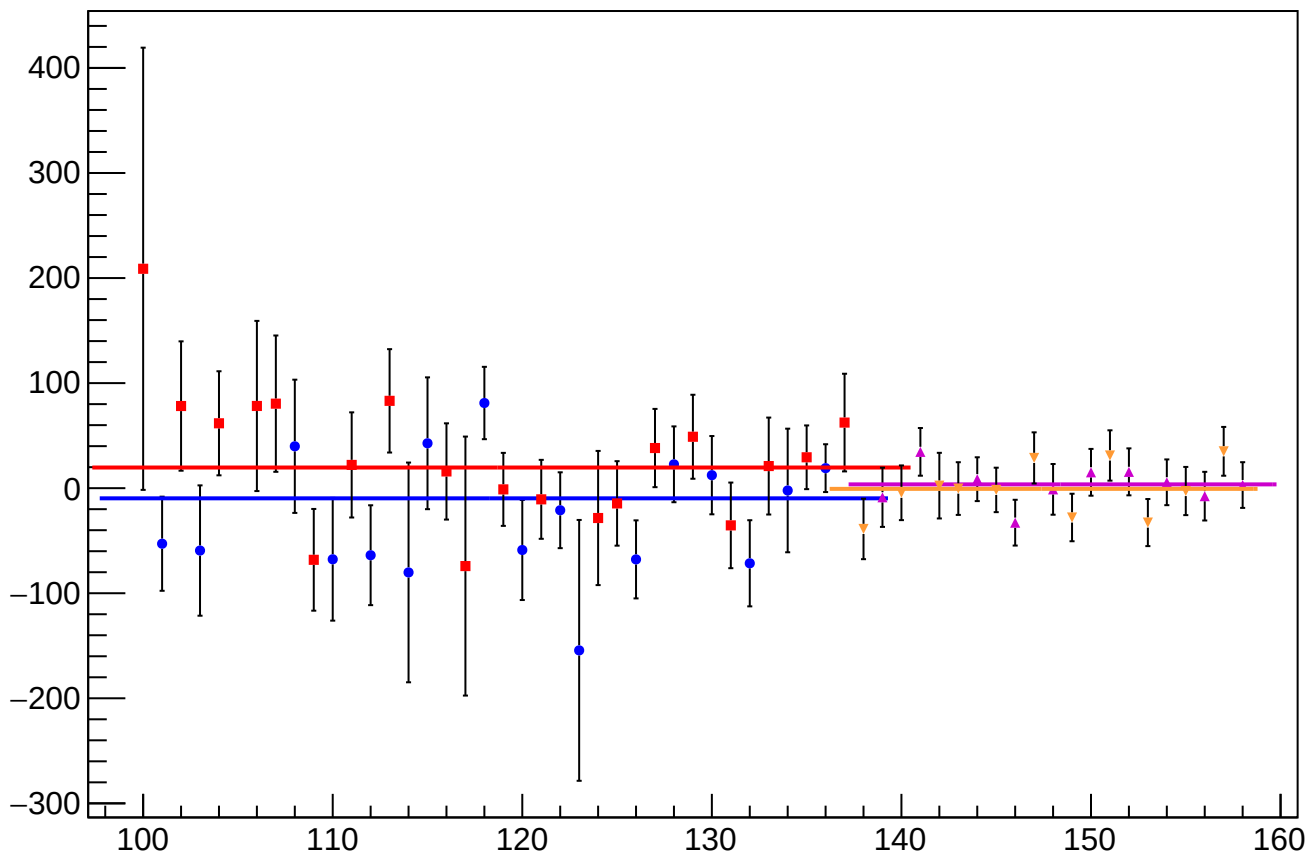
Right Out: 1350.936 $\pm$ 0.364 χ^2 /NDF: 421834.2/19

Left In: 759.527 $\pm$ 0.192 χ^2 /NDF: 580355.0/9

891.285 $\pm$ 0.173 χ^2 /NDF: 2743047.3/27

888.107 $\pm$ 0.170 χ^2 /NDF: 3069178.4/29

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -9.669 $\pm$ 10.408 χ^2 /NDF: 22.6/16

Left Out: -0.658 $\pm$ 7.320 χ^2 /NDF: 10.9/10

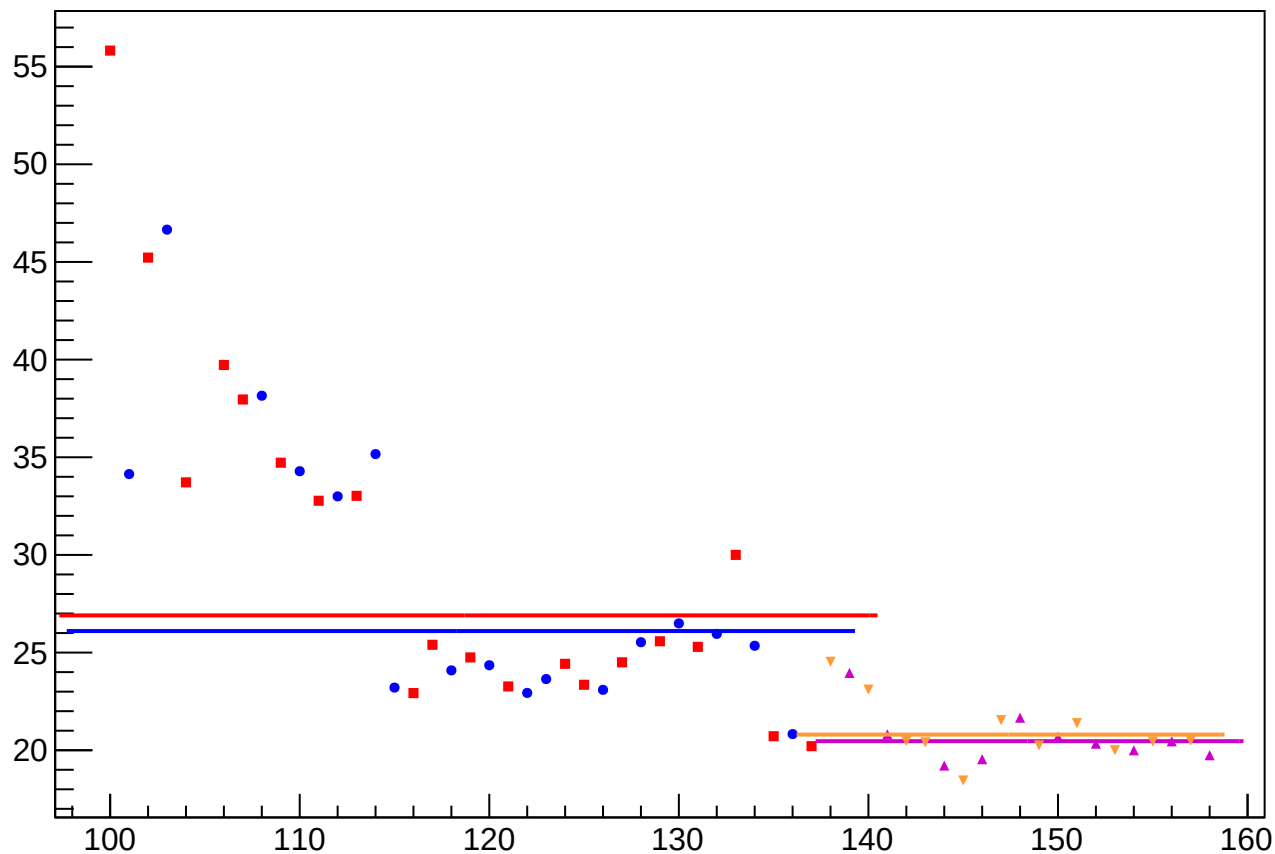
Right Out: 19.662 $\pm$ 10.406 χ^2 /NDF: 15.2/19

Left In: 3.613 $\pm$ 7.175 χ^2 /NDF: 5.7/9

-3.640 $\pm$ 5.987 χ^2 /NDF: 34.0/27

8.784 $\pm$ 5.907 χ^2 /NDF: 22.6/29

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 26.103+/-0.007 χ^2/NDF : 604038.5/16

Left Out: 20.802+/-0.005 χ^2/NDF : 82238.2/10

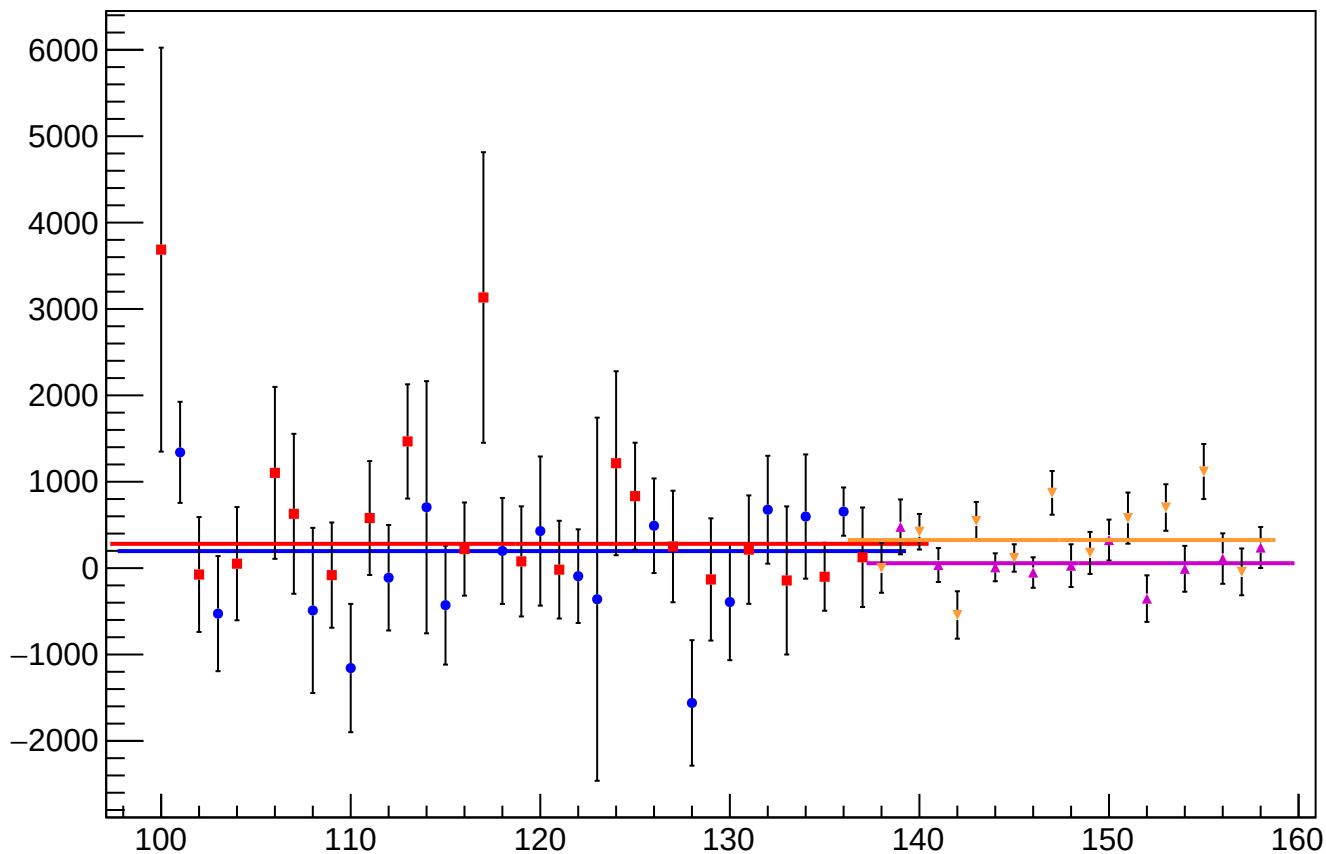
Right Out: 26.903+/-0.007 χ^2/NDF : 679269.9/19

Left In: 20.465+/-0.005 χ^2/NDF : 50294.2/9

22.556+/-0.004 χ^2/NDF : 1033417.1/27

22.539+/-0.004 χ^2/NDF : 1248472.2/29

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 197.327 ± 147.883 χ^2/NDF : 21.0/16

Left Out: 325.200 ± 72.484 χ^2/NDF : 29.9/10

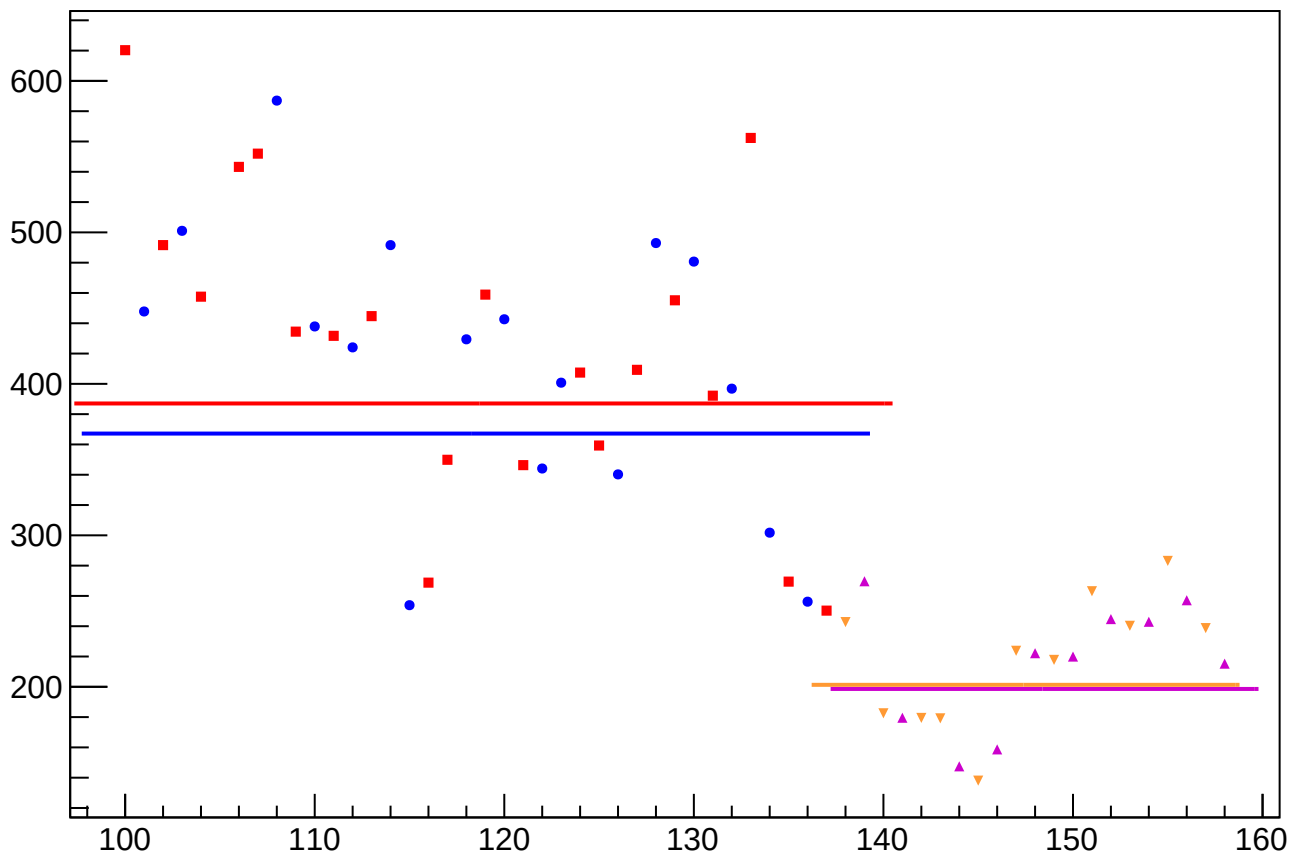
Right Out: 281.185 ± 149.275 χ^2/NDF : 13.6/19

Left In: 56.922 ± 71.111 χ^2/NDF : 6.5/9

300.431 ± 65.087 χ^2/NDF : 51.5/27

98.402 ± 64.199 χ^2/NDF : 21.9/29

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 367.180 $\pm$ 0.105 χ^2 /NDF: 827148.2/16

Left Out: 201.307 $\pm$ 0.051 χ^2 /NDF: 731998.4/10

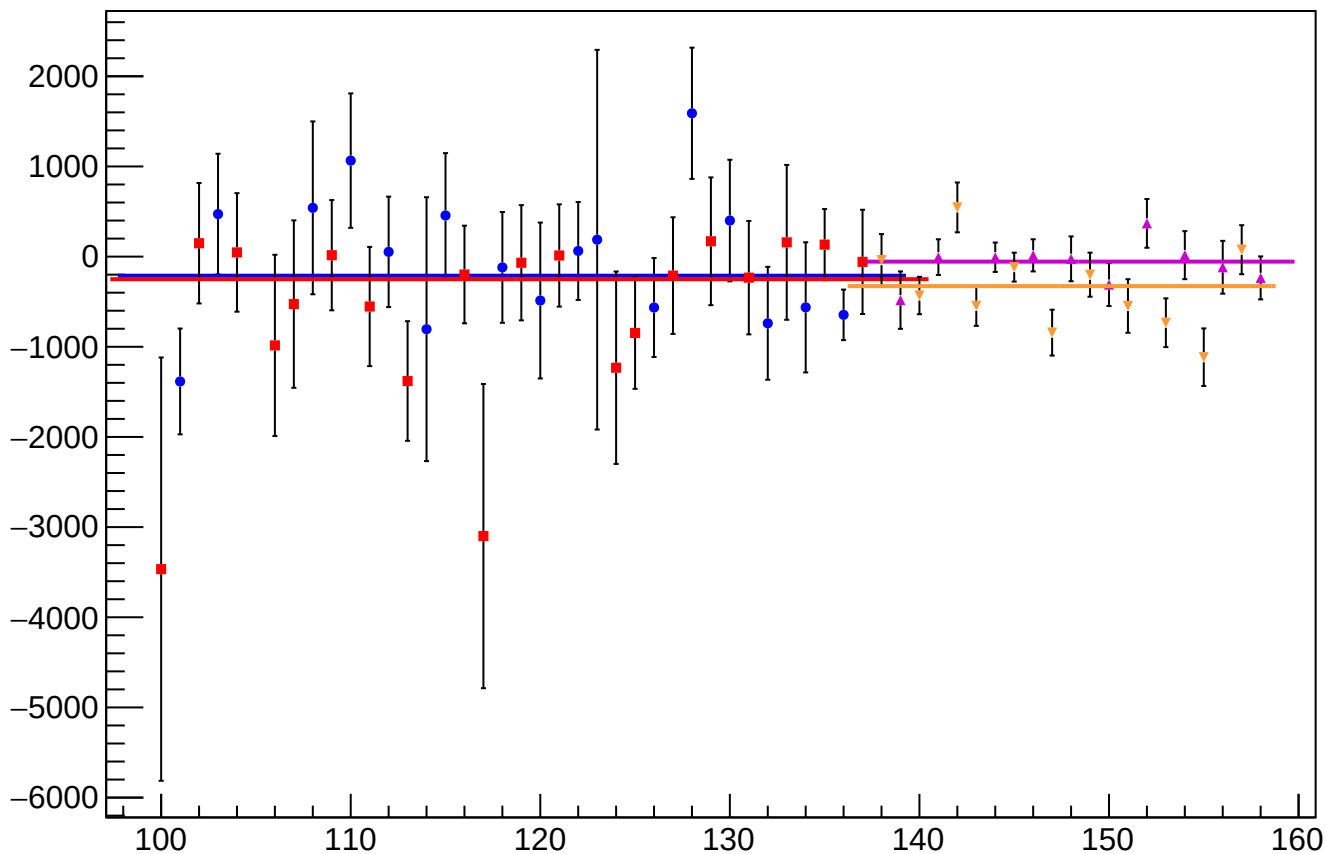
Right Out: 387.048 $\pm$ 0.106 χ^2 /NDF: 775547.5/19

Left In: 198.585 $\pm$ 0.050 χ^2 /NDF: 660216.2/9

233.437 $\pm$ 0.046 χ^2 /NDF: 3587950.1/27

233.443 $\pm$ 0.045 χ^2 /NDF: 4034047.1/29

asym_sam_1357_2468_dd_mean vs Slug



Right In: -211.859 ± 148.316 $\chi^2/\text{NDF}: 21.0/16$

Left Out: -326.841 ± 72.922 $\chi^2/\text{NDF}: 29.4/10$

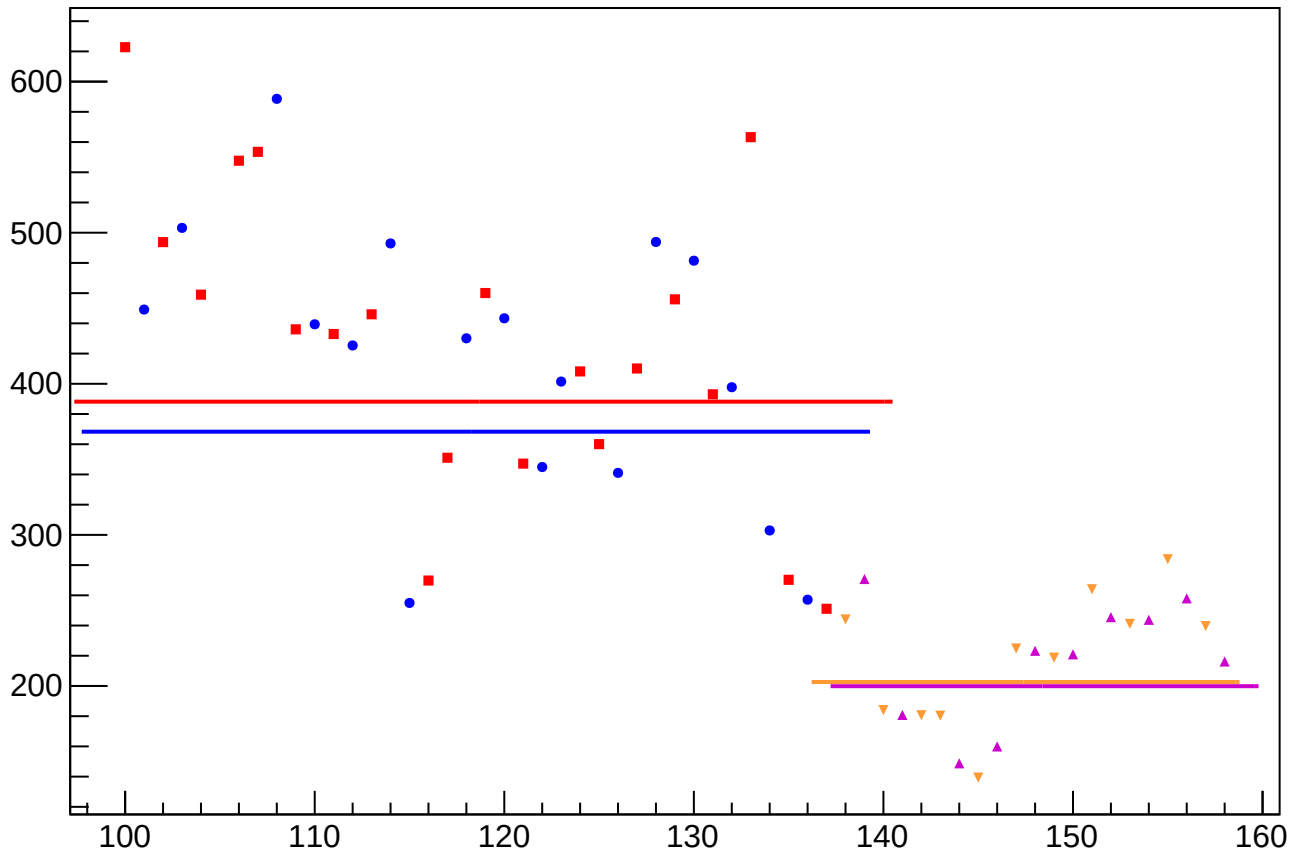
Right Out: -250.443 ± 149.724 $\chi^2/\text{NDF}: 12.9/19$

Left In: -55.560 ± 71.532 $\chi^2/\text{NDF}: 6.4/9$

-304.457 ± 65.440 $\chi^2/\text{NDF}: 50.9/27$

-91.777 ± 64.544 $\chi^2/\text{NDF}: 20.7/29$

asym_sam_1357_2468_dd_rms vs Slug



Right In: 368.302 $\pm$ 0.105 χ^2 /NDF: 824619.2/16

Left Out: 202.624 $\pm$ 0.052 χ^2 /NDF: 717963.6/10

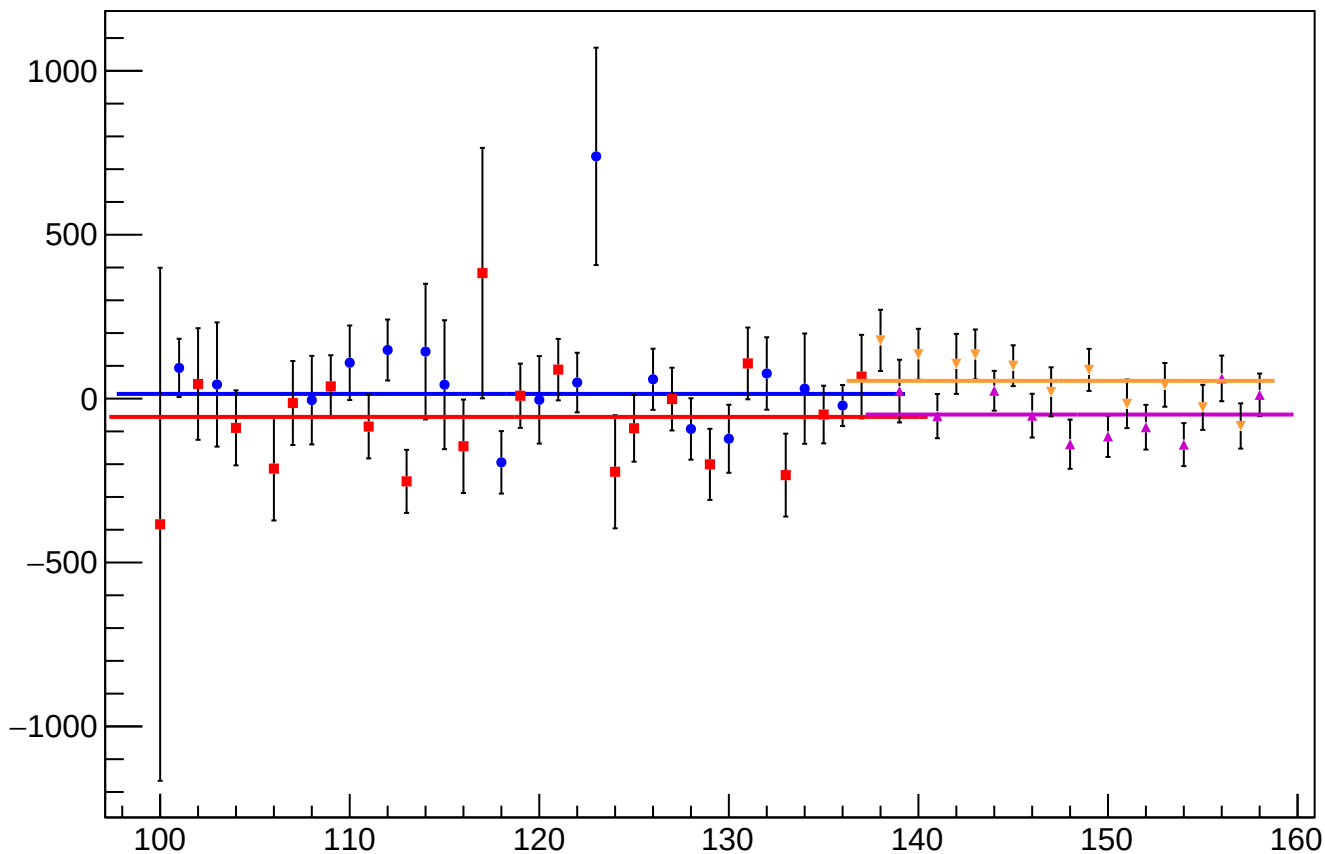
Right Out: 388.178 $\pm$ 0.106 χ^2 /NDF: 775692.7/19

Left In: 199.856 $\pm$ 0.051 χ^2 /NDF: 647266.1/9

234.877 $\pm$ 0.046 χ^2 /NDF: 3552394.0/27

234.853 $\pm$ 0.046 χ^2 /NDF: 3999056.3/29

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 14.385+/-26.334 χ^2/NDF : 17.7/16

Left Out: 54.360+/-21.939 χ^2/NDF : 11.6/10

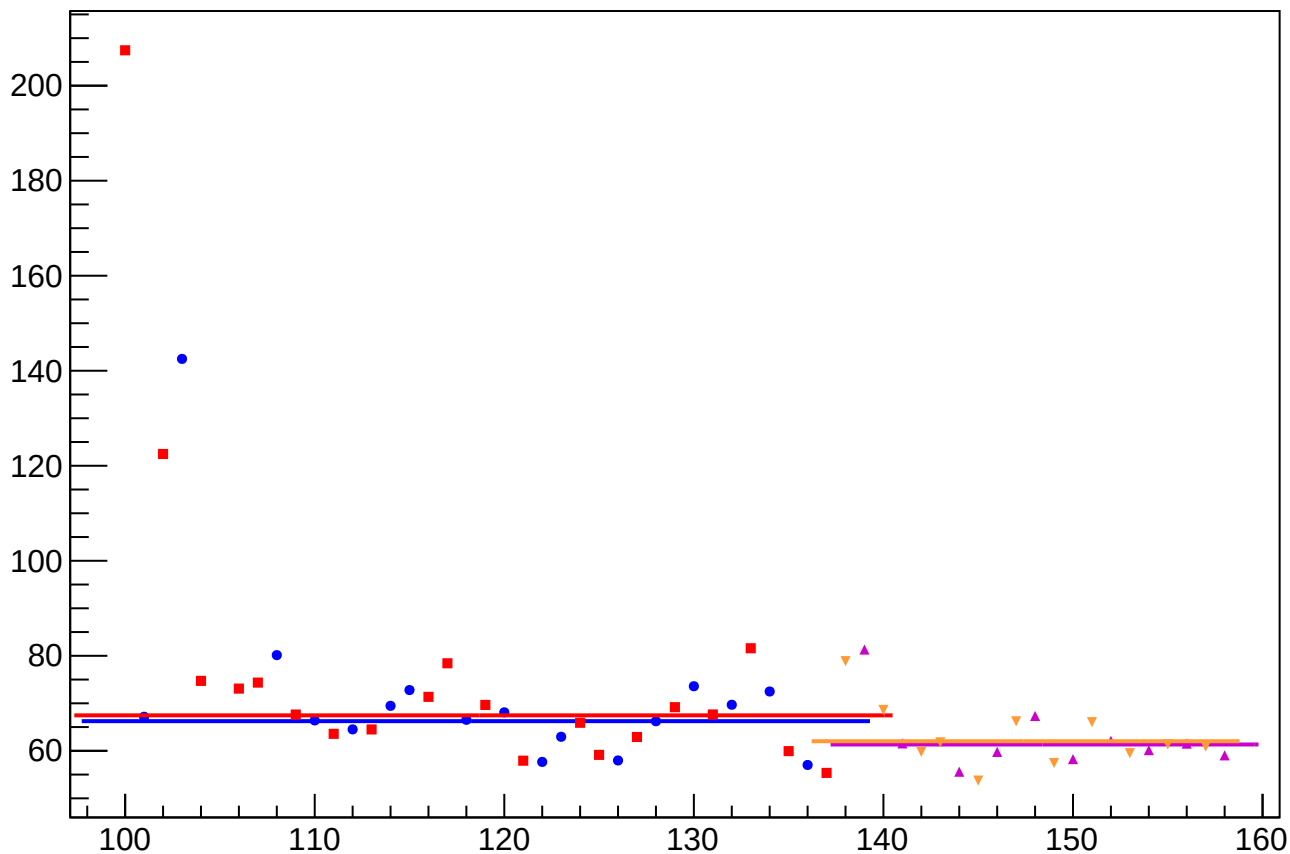
Right Out: -55.744+/-26.060 χ^2/NDF : 19.7/19

Left In: -48.591+/-21.590 χ^2/NDF : 10.2/9

37.982+/-16.856 χ^2/NDF : 30.6/27

-51.502+/-16.626 χ^2/NDF : 30.0/29

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 66.247+/-0.019 χ^2/NDF : 440944.2/16

Left Out: 62.022+/-0.016 χ^2/NDF :142111.6/10

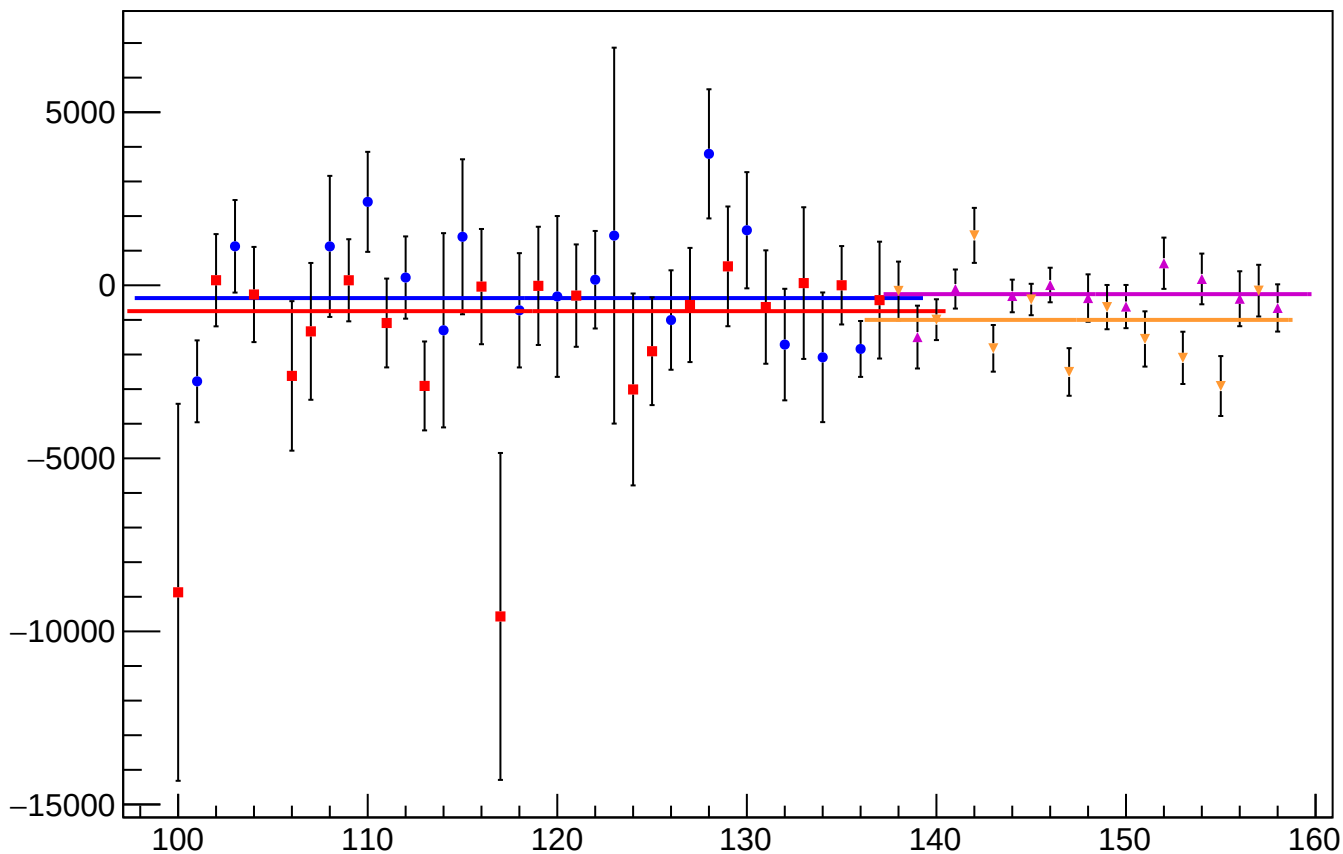
Right Out: 67.466+/-0.018 χ^2/NDF : 395262.8/19

Left In: 61.333+/-0.015 χ^2/NDF :127122.5/9

63.753+/-0.012 χ^2/NDF : 613453.5/27

63.829+/-0.012 χ^2/NDF : 588080.3/29

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -369.546+/-366.432 χ^2/NDF : 22.3/16

Left Out: -999.751+/-204.501 χ^2/NDF : 27.4/10

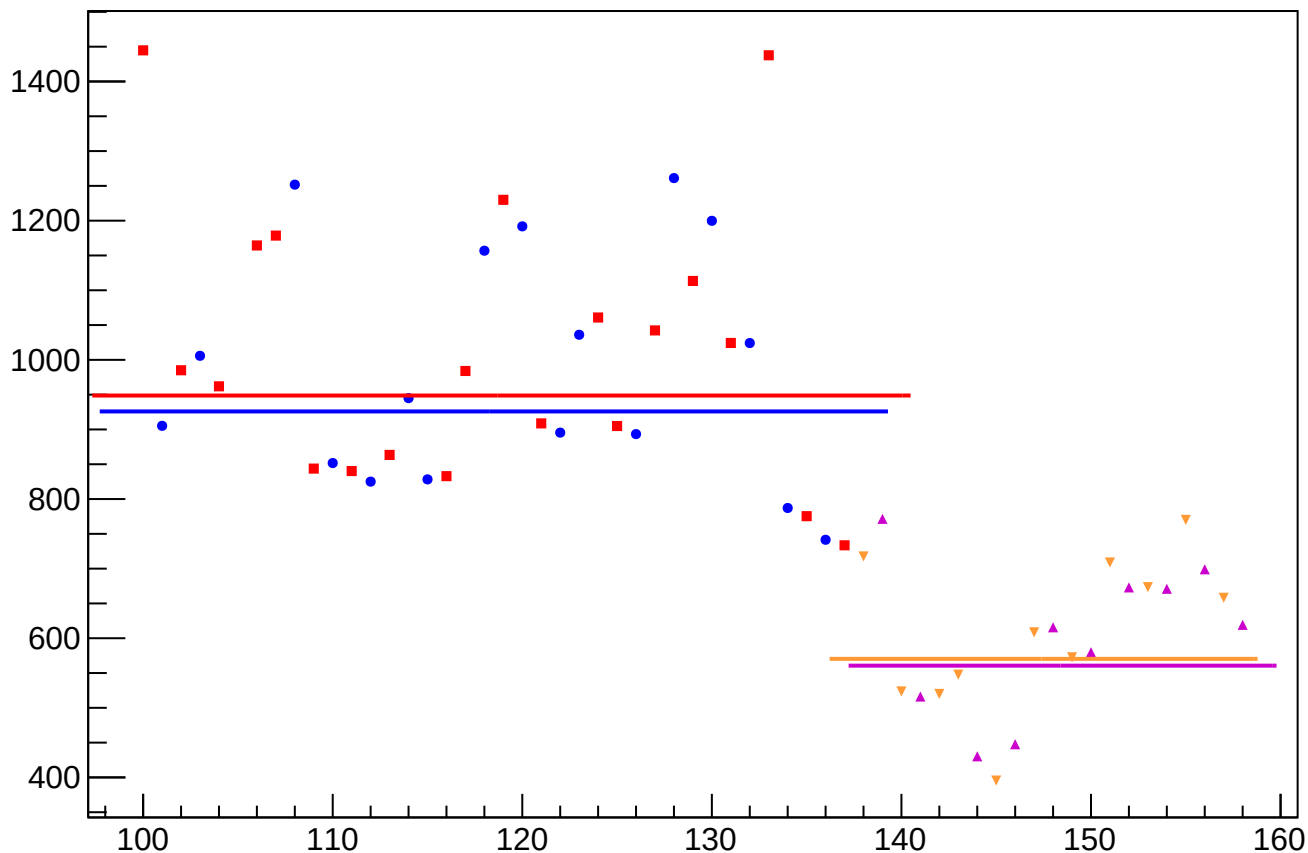
Right Out: -747.208+/-360.830 χ^2/NDF : 13.4/19

Left In: -255.743+/-200.067 χ^2/NDF : 4.8/9

-850.083+/-178.574 χ^2/NDF : 52.0/27

-371.306+/-174.971 χ^2/NDF : 19.6/29

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 925.885 $\pm$ 0.259 χ^2/NDF : 391084.5/16

Left Out: 570.357 $\pm$ 0.145 χ^2/NDF : 617754.9/10

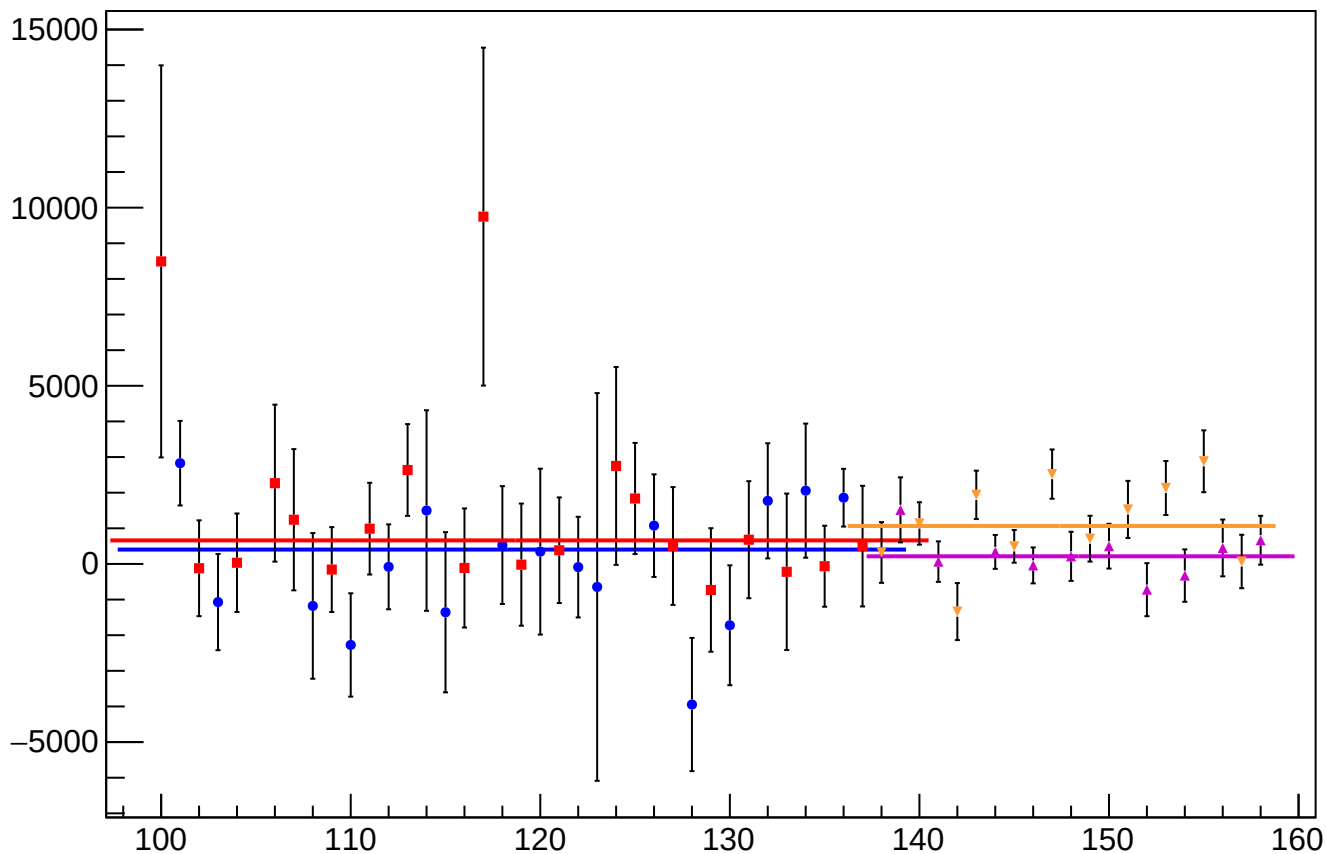
Right Out: 948.760 $\pm$ 0.255 χ^2/NDF : 382044.0/19

Left In: 560.602 $\pm$ 0.141 χ^2/NDF : 557607.5/9

654.792 $\pm$ 0.126 χ^2/NDF : 2444439.5/27

651.874 $\pm$ 0.124 χ^2/NDF : 2709852.9/29

asym_sam_12345678_avg_mean vs Slug



Right In: 403.591 ± 367.686 $\chi^2/\text{NDF}: 22.4/16$

Left Out: 1065.155 ± 205.848 $\chi^2/\text{NDF}: 26.2/10$

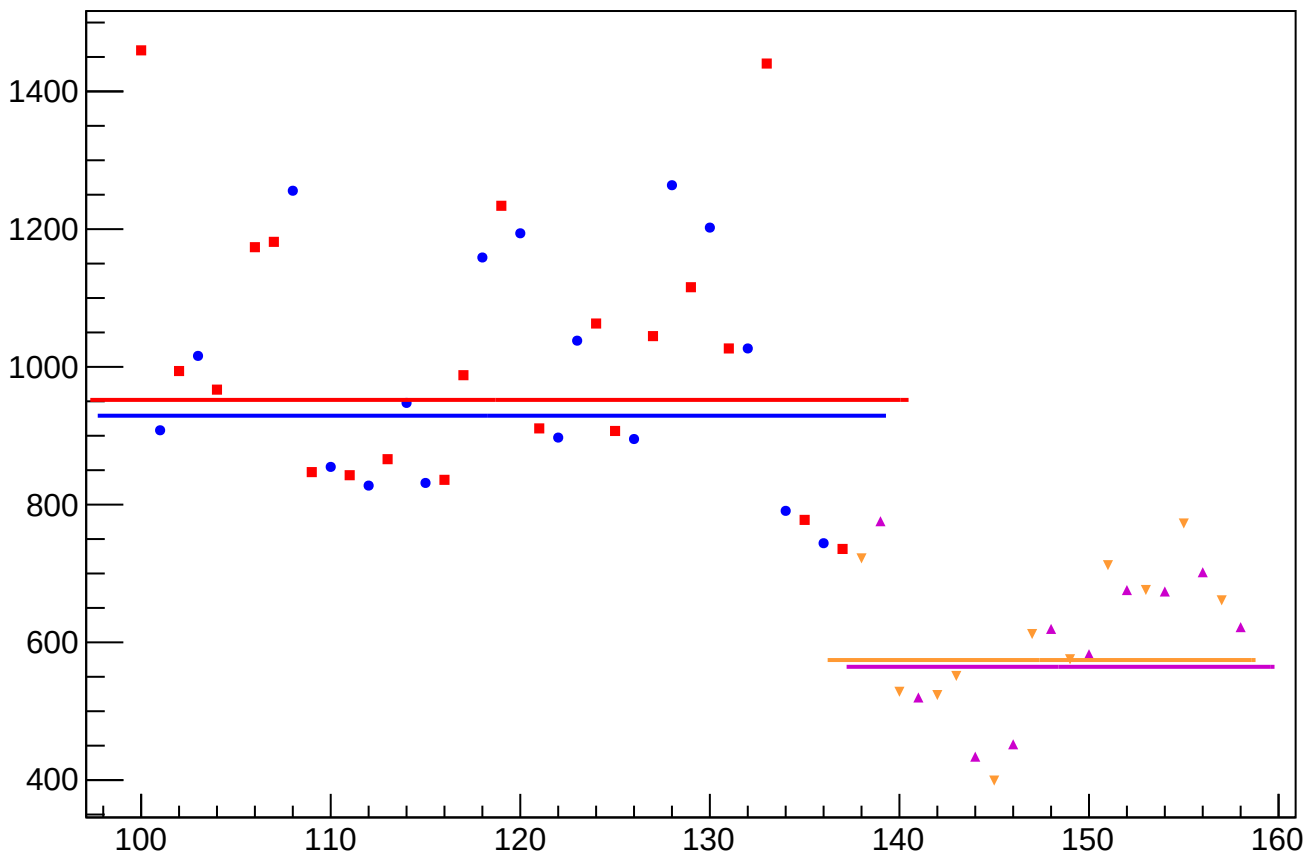
Right Out: 660.630 ± 362.265 $\chi^2/\text{NDF}: 12.5/19$

Left In: 214.293 ± 201.380 $\chi^2/\text{NDF}: 5.3/9$

907.283 ± 179.615 $\chi^2/\text{NDF}: 51.1/27$

319.658 ± 176.013 $\chi^2/\text{NDF}: 19.0/29$

asym_sam_12345678_avg_rms vs Slug



Right In: 929.096+/-0.260 χ^2/NDF : 390292.1/16

Left Out: 574.333+/-0.146 χ^2/NDF : 605845.3/10

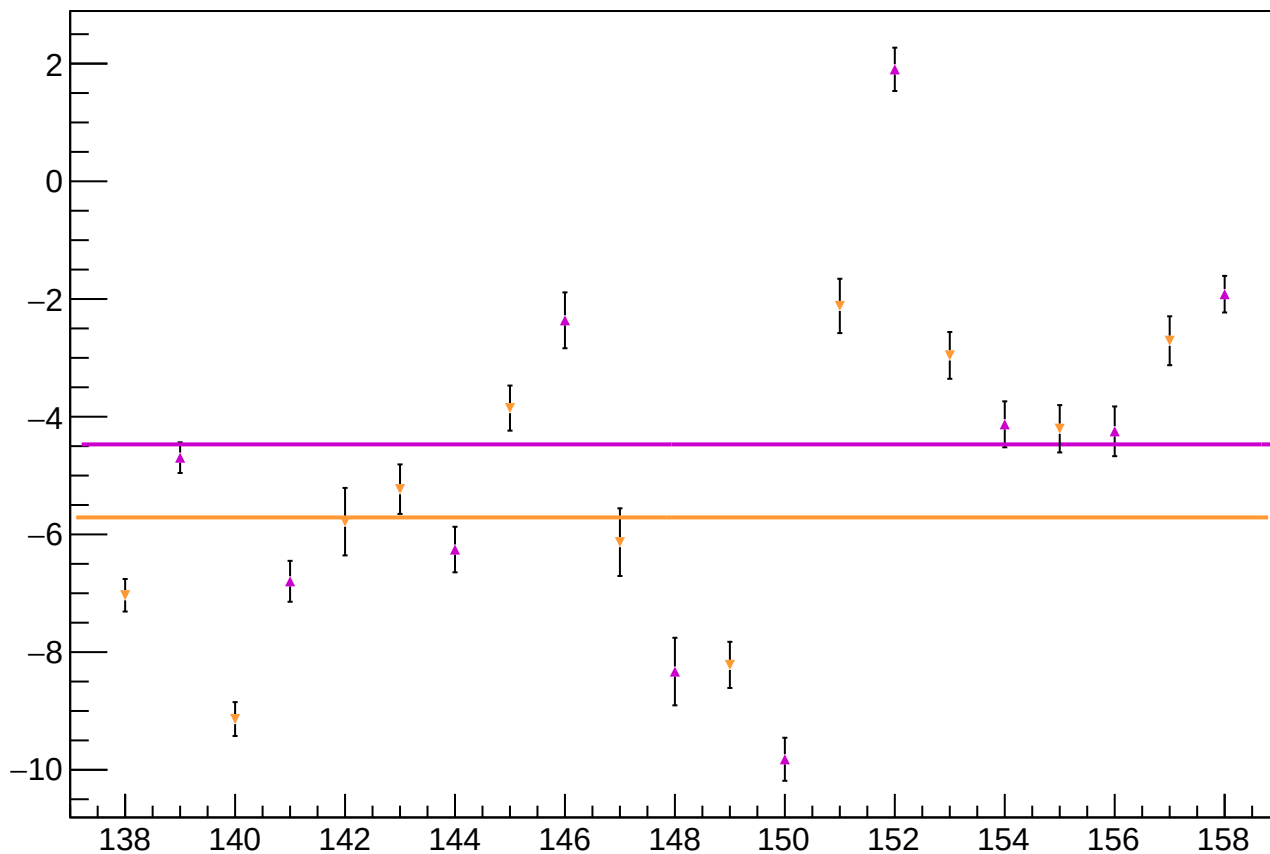
Right Out: 952.057+/-0.256 χ^2/NDF : 382334.5/19

Left In: 564.490+/-0.142 χ^2/NDF : 546913.9/9

658.991+/-0.127 χ^2/NDF : 2413719.4/27

655.981+/-0.124 χ^2/NDF : 2677993.6/29

reg_asym_sam1_diff_bpm1X_slope vs Slug



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

Left Out: -5.711+/-0.117 χ^2/NDF : 405.2/10

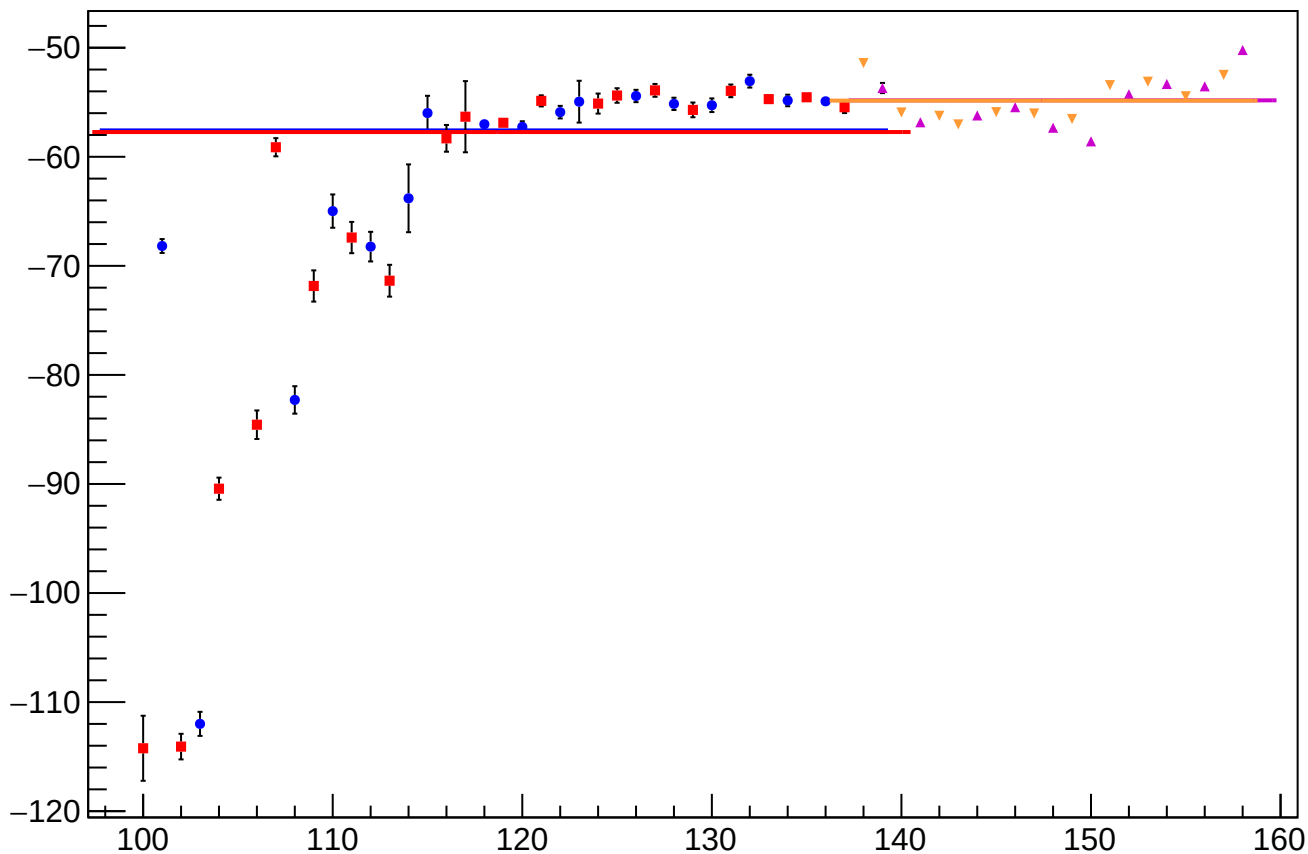
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -4.470+/-0.116 χ^2/NDF : 713.5/9

-5.711+/-0.117 χ^2/NDF : 405.2/10

-4.470+/-0.116 χ^2/NDF : 713.5/9

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -57.581 ± 0.143 $\chi^2/\text{NDF}: 3455.5/16$

Left Out: -54.848 ± 0.086 $\chi^2/\text{NDF}: 408.2/10$

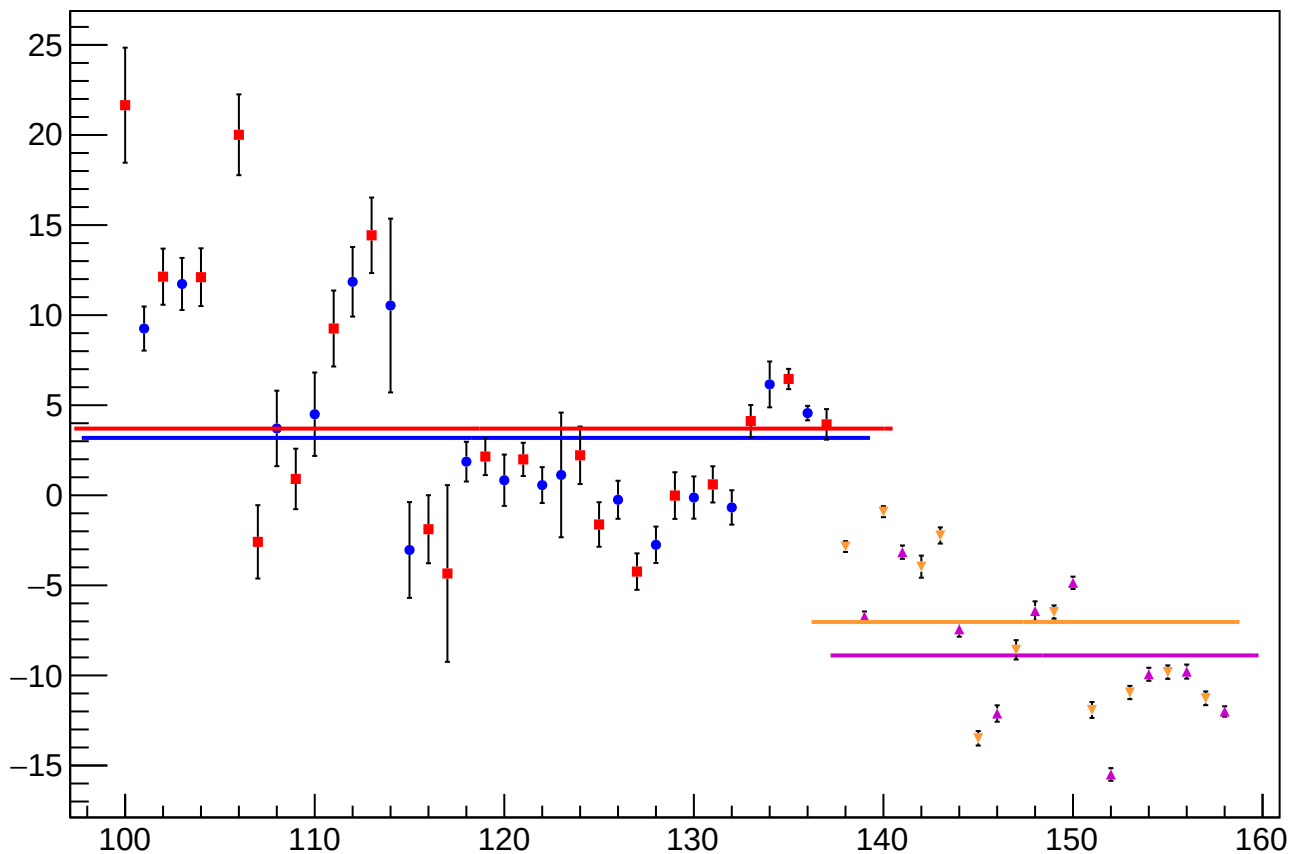
Right Out: -57.730 ± 0.143 $\chi^2/\text{NDF}: 4698.7/19$

Left In: -54.824 ± 0.087 $\chi^2/\text{NDF}: 916.4/9$

-55.579 ± 0.074 $\chi^2/\text{NDF}: 4131.0/27$

-55.610 ± 0.074 $\chi^2/\text{NDF}: 5916.9/29$

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: 3.185 ± 0.259 $\chi^2/\text{NDF}: 185.8/16$

Left Out: -7.032 ± 0.117 $\chi^2/\text{NDF}: 1410.5/10$

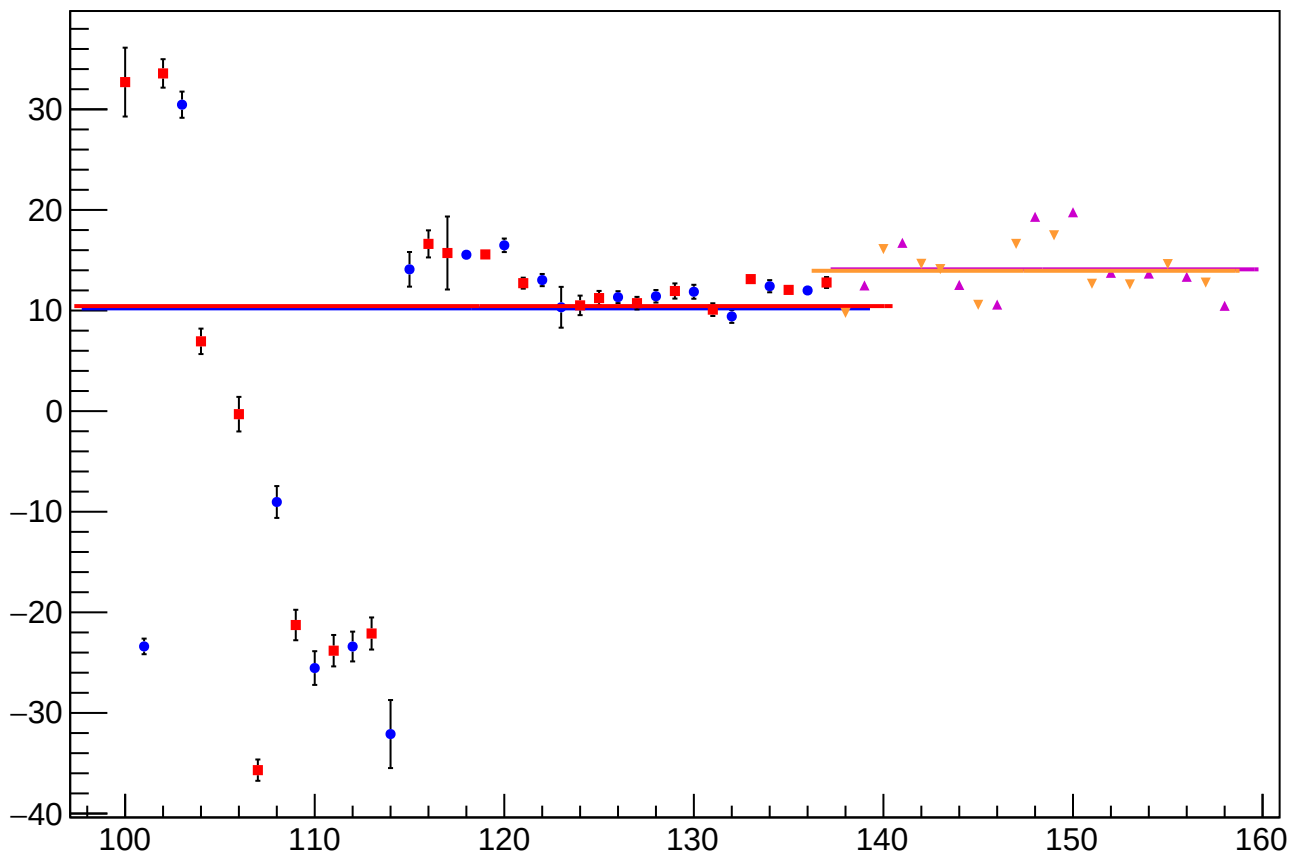
Right Out: 3.702 ± 0.267 $\chi^2/\text{NDF}: 326.8/19$

Left In: -8.889 ± 0.114 $\chi^2/\text{NDF}: 1003.5/9$

-5.295 ± 0.107 $\chi^2/\text{NDF}: 2888.0/27$

-6.946 ± 0.105 $\chi^2/\text{NDF}: 3208.9/29$

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 10.215 ± 0.158 χ^2/NDF : 3692.6/16

Left Out: 13.952 ± 0.103 χ^2/NDF : 515.2/10

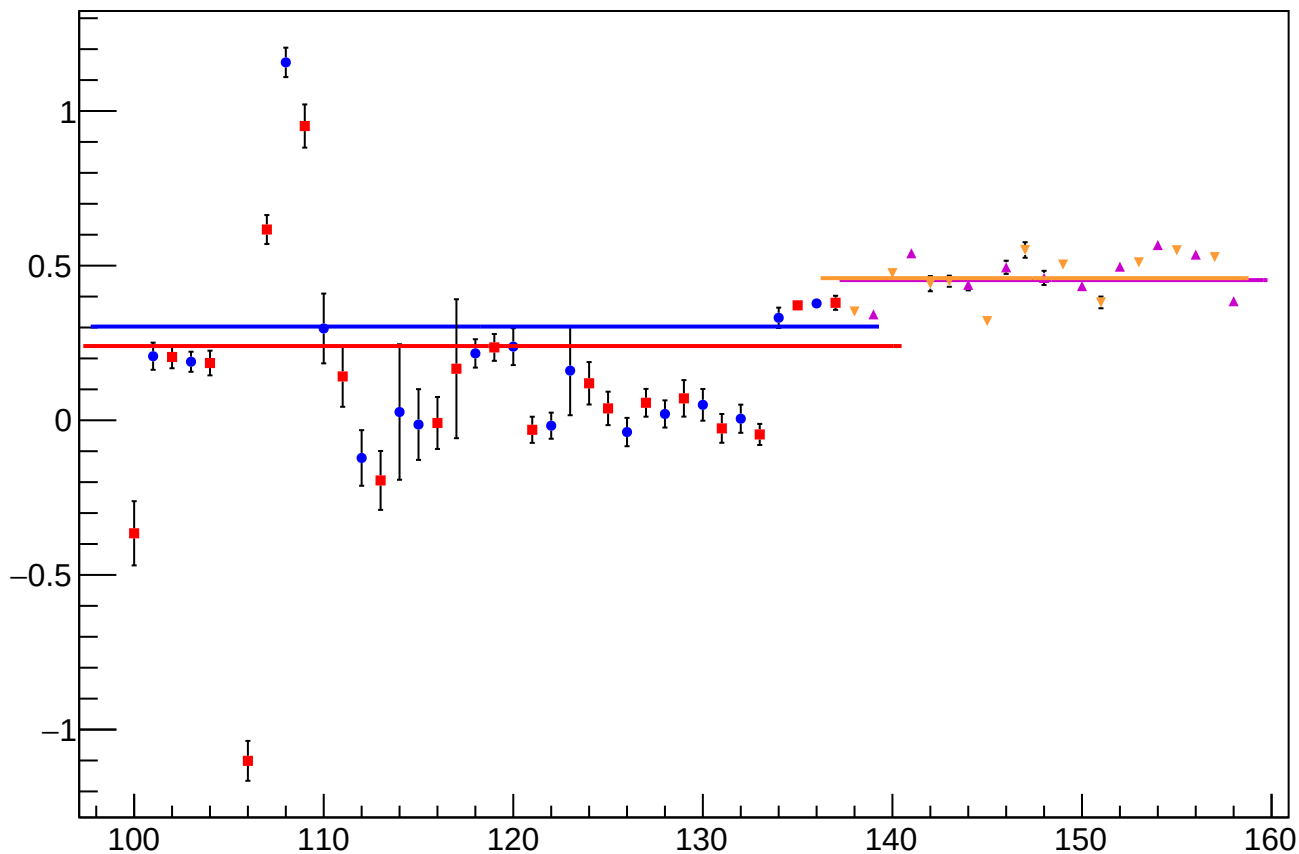
Right Out: 10.440 ± 0.160 χ^2/NDF : 3829.1/19

Left In: 14.094 ± 0.100 χ^2/NDF : 1024.5/9

12.842 ± 0.086 χ^2/NDF : 4600.7/27

13.060 ± 0.085 χ^2/NDF : 5228.0/29

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.303 $\pm$ 0.008 χ^2 /NDF: 646.3/16

Left Out: 0.460 $\pm$ 0.005 χ^2 /NDF: 296.0/10

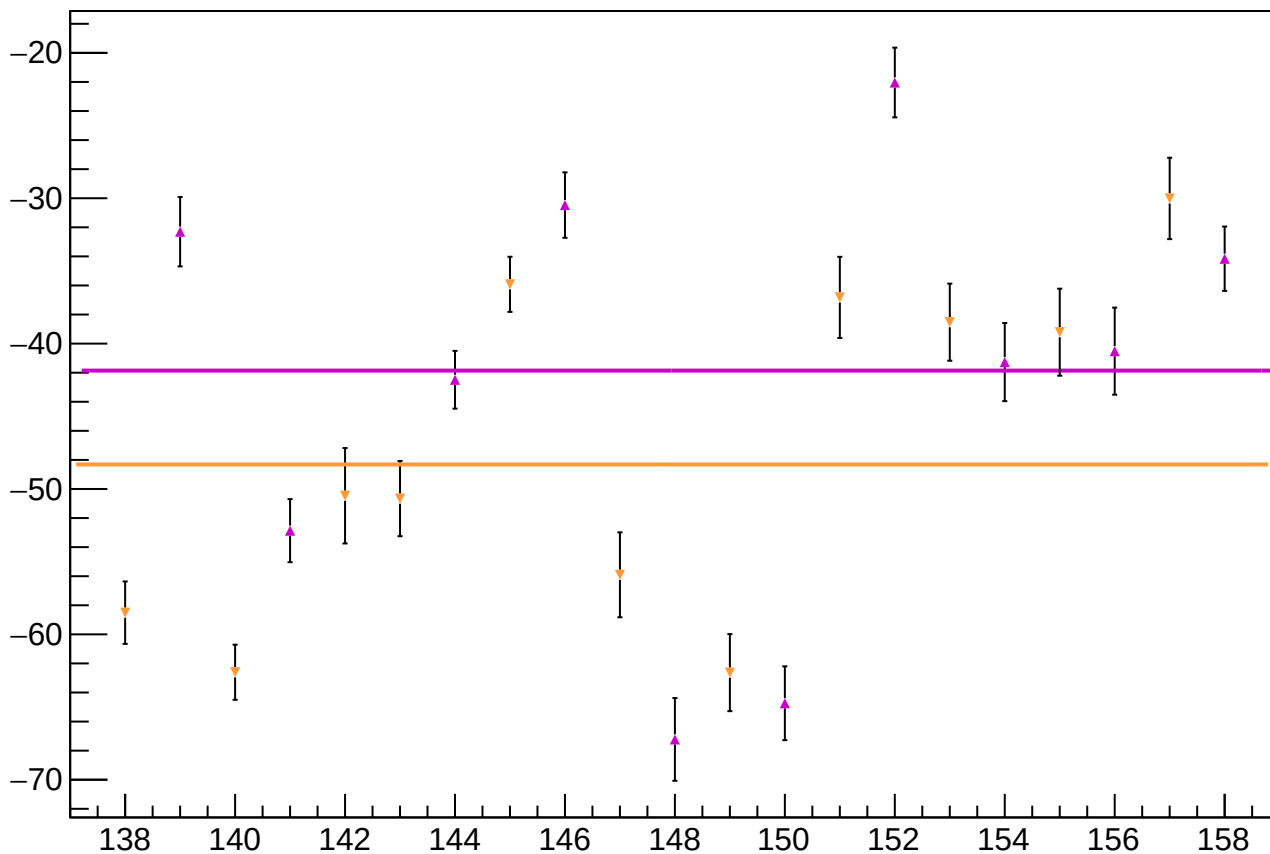
Right Out: 0.240 $\pm$ 0.009 χ^2 /NDF: 984.5/19

Left In: 0.453 $\pm$ 0.004 χ^2 /NDF: 338.8/9

0.423 $\pm$ 0.004 χ^2 /NDF: 1219.6/27

0.409 $\pm$ 0.004 χ^2 /NDF: 1821.1/29

reg_asym_sam2_diff_bpm1X_slope vs Slug



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

Left Out: -48.311+/-0.749 χ^2/NDF : 241.9/10

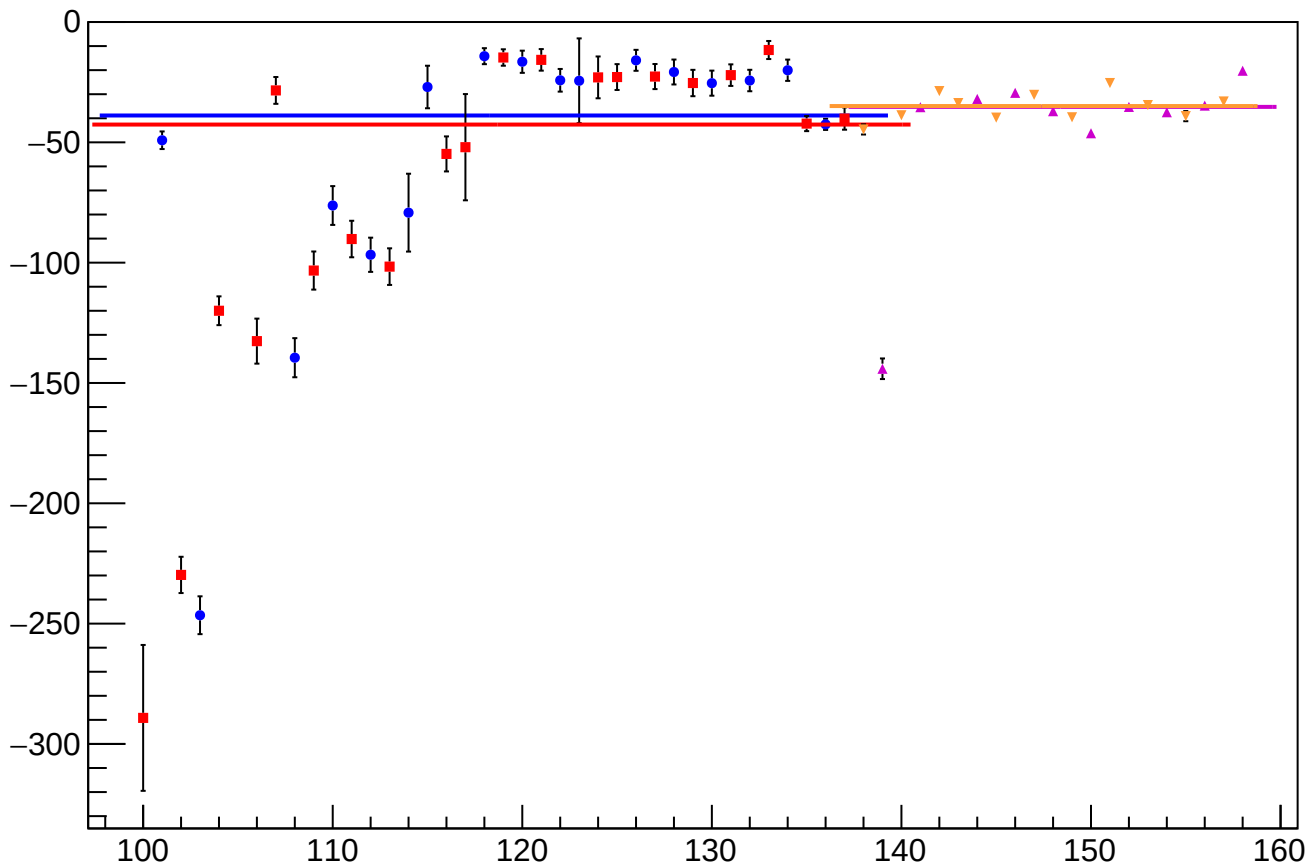
-48.311+/-0.749 χ^2/NDF : 241.9/10

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

-41.856+/-0.757 χ^2/NDF : 308.9/9

Left In: -41.856+/-0.757 χ^2/NDF : 308.9/9

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -38.844 ± 1.148 $\chi^2/\text{NDF}: 1121.9/16$

Left Out: -34.922 ± 0.524 $\chi^2/\text{NDF}: 104.3/10$

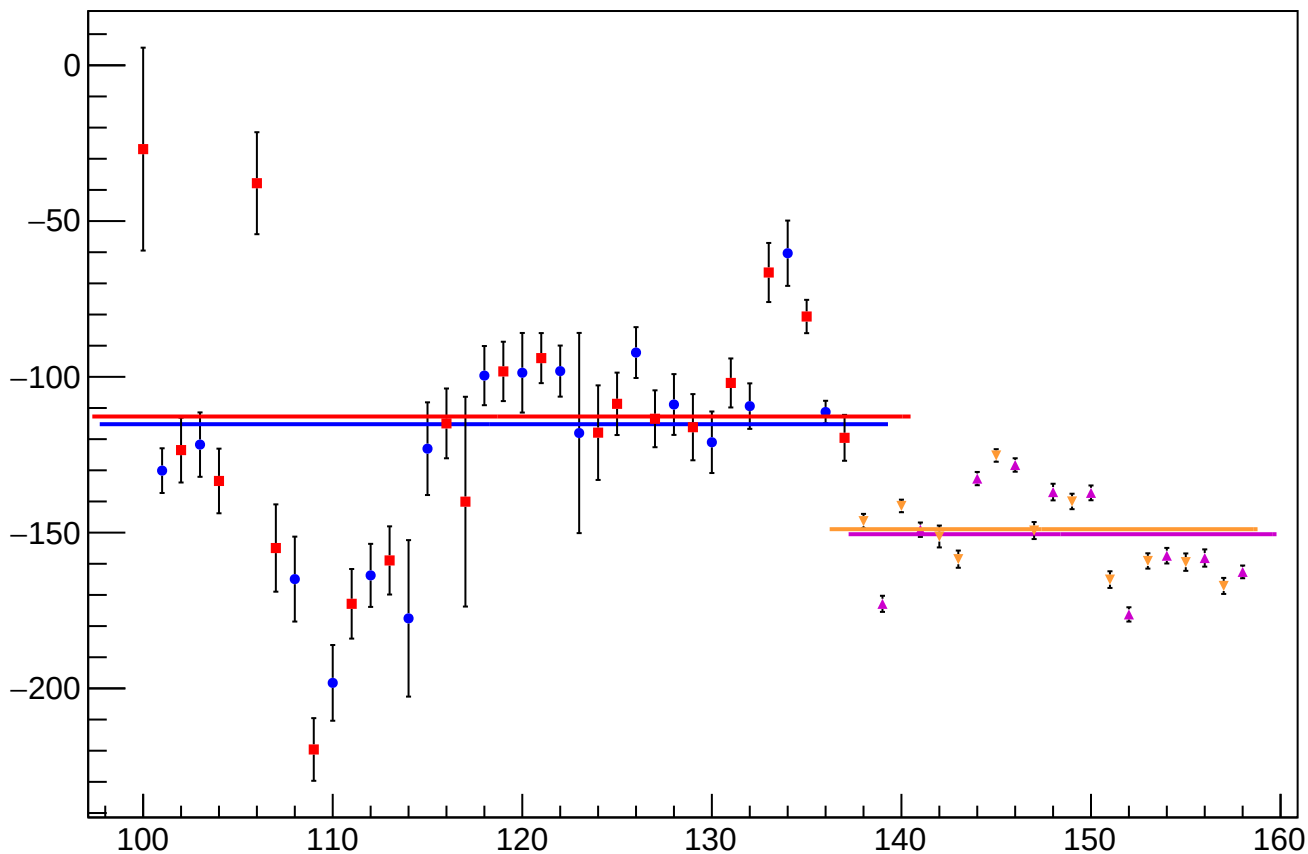
Right Out: -42.614 ± 1.208 $\chi^2/\text{NDF}: 1345.9/19$

Left In: -35.267 ± 0.525 $\chi^2/\text{NDF}: 811.4/9$

-35.599 ± 0.477 $\chi^2/\text{NDF}: 1235.9/27$

-36.434 ± 0.482 $\chi^2/\text{NDF}: 2188.4/29$

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -115.199 ± 2.081 $\chi^2/\text{NDF}: 140.8/16$

Left Out: -148.895 ± 0.752 $\chi^2/\text{NDF}: 296.2/10$

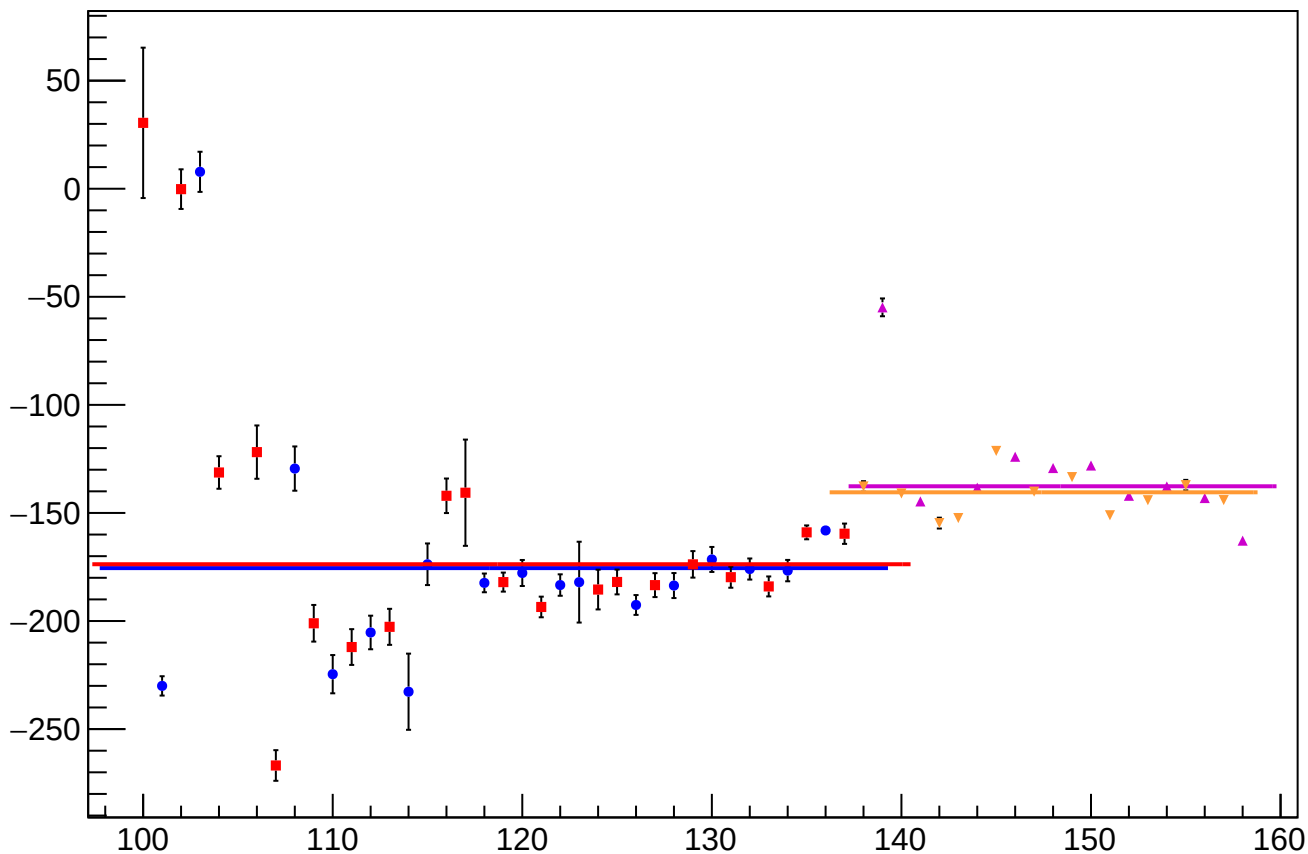
Right Out: -112.729 ± 2.205 $\chi^2/\text{NDF}: 273.1/19$

Left In: -150.510 ± 0.743 $\chi^2/\text{NDF}: 484.6/9$

-145.006 ± 0.707 $\chi^2/\text{NDF}: 668.8/27$

-146.655 ± 0.704 $\chi^2/\text{NDF}: 1021.4/29$

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -175.521 ± 1.277 χ^2/NDF : 692.3/16

Left Out: -140.453 ± 0.634 χ^2/NDF : 226.7/10

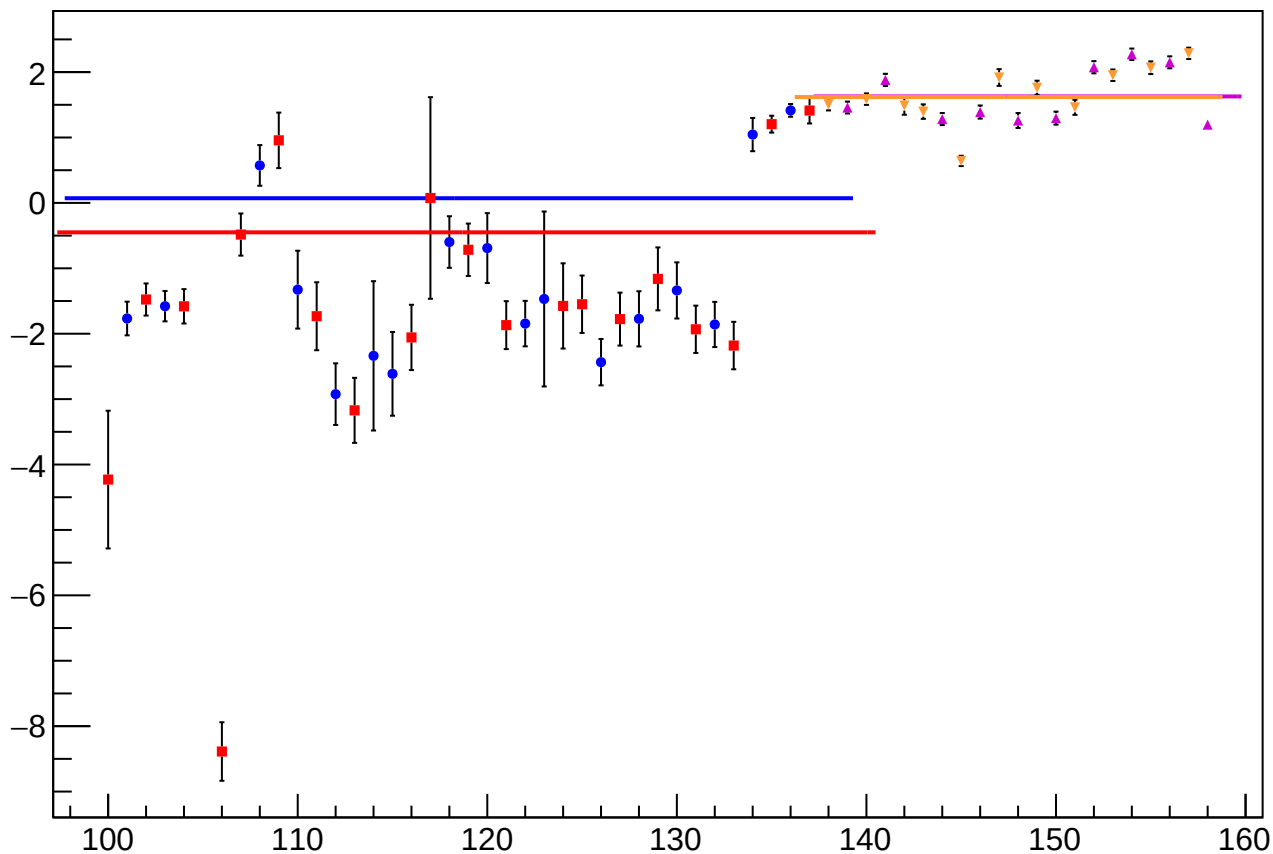
Right Out: -173.729 ± 1.354 χ^2/NDF : 739.7/19

Left In: -137.662 ± 0.624 χ^2/NDF : 778.4/9

-147.394 ± 0.568 χ^2/NDF : 1523.8/27

-143.979 ± 0.567 χ^2/NDF : 2103.0/29

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.072 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.619 ± 0.030 χ^2/NDF : 263.0/10

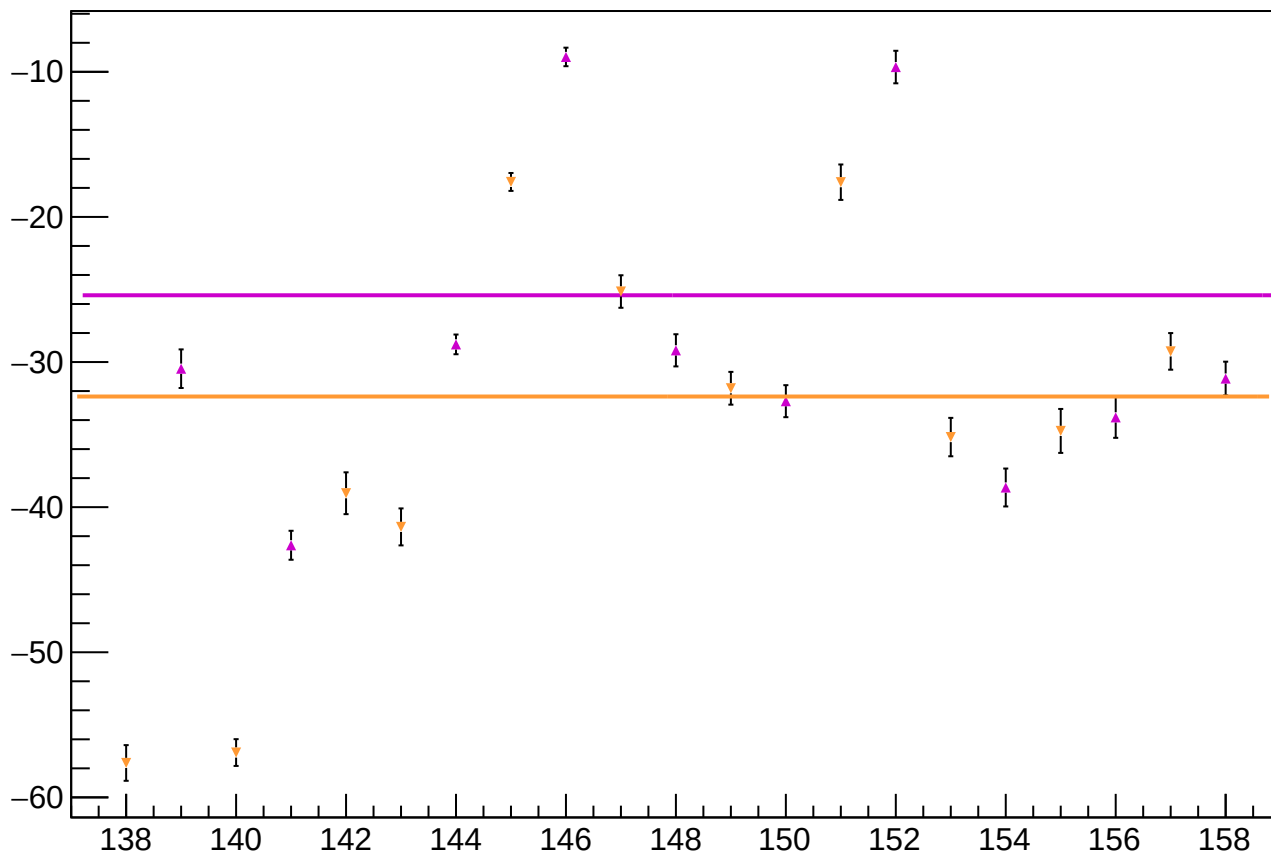
Right Out: -0.450 ± 0.071 χ^2/NDF : 751.4/19

Left In: 1.628 ± 0.029 χ^2/NDF : 196.1/9

1.365 ± 0.027 χ^2/NDF : 1231.9/27

1.331 ± 0.027 χ^2/NDF : 1676.5/29

reg_asym_sam3_diff_bpm1X_slope vs Slug



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

Left Out: -32.375+/-0.325 χ^2/NDF : 1975.5/10

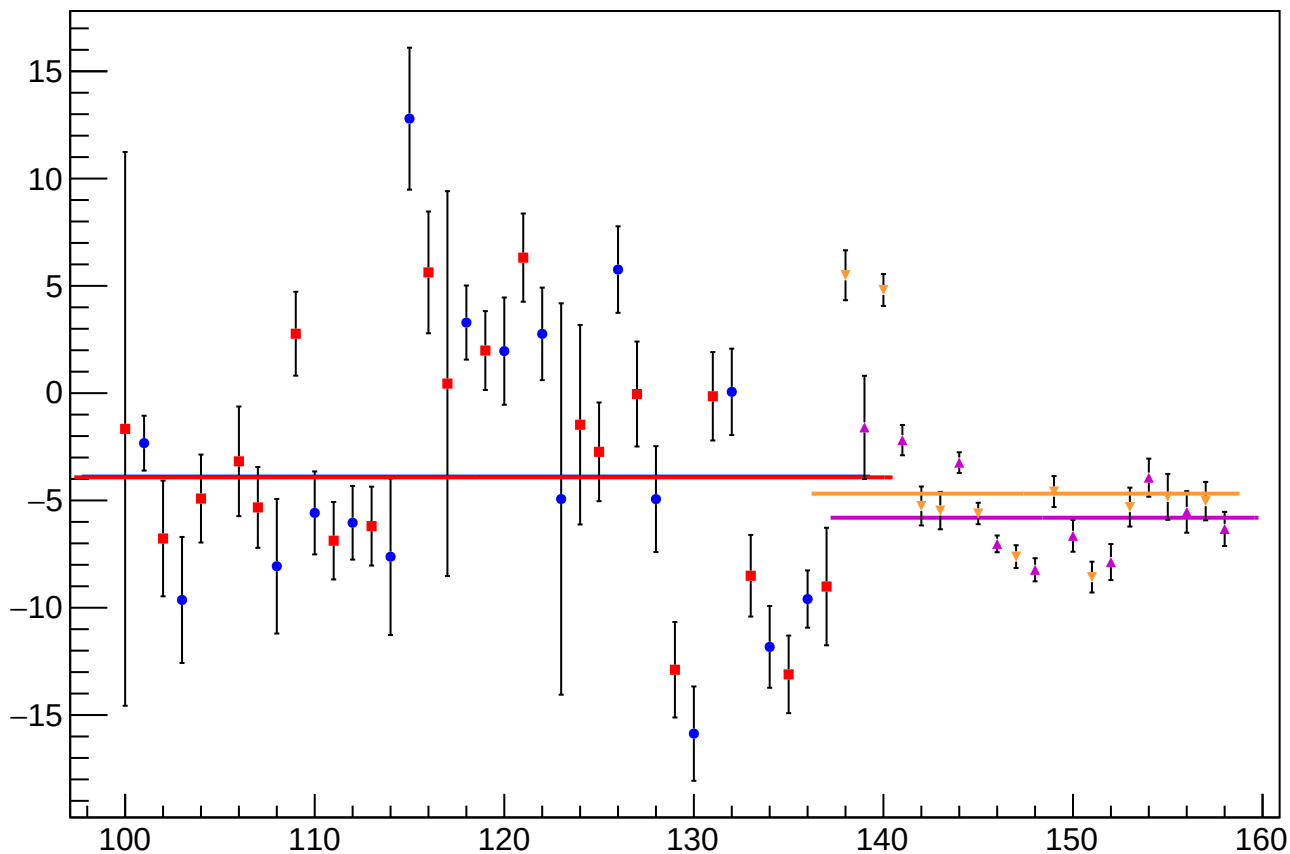
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -25.398+/-0.309 χ^2/NDF : 1413.7/9

-32.375+/-0.325 χ^2/NDF : 1975.5/10

-25.398+/-0.309 χ^2/NDF : 1413.7/9

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.890 ± 0.498 $\chi^2/\text{NDF}: 160.5/16$

Left Out: -4.682 ± 0.224 $\chi^2/\text{NDF}: 303.9/10$

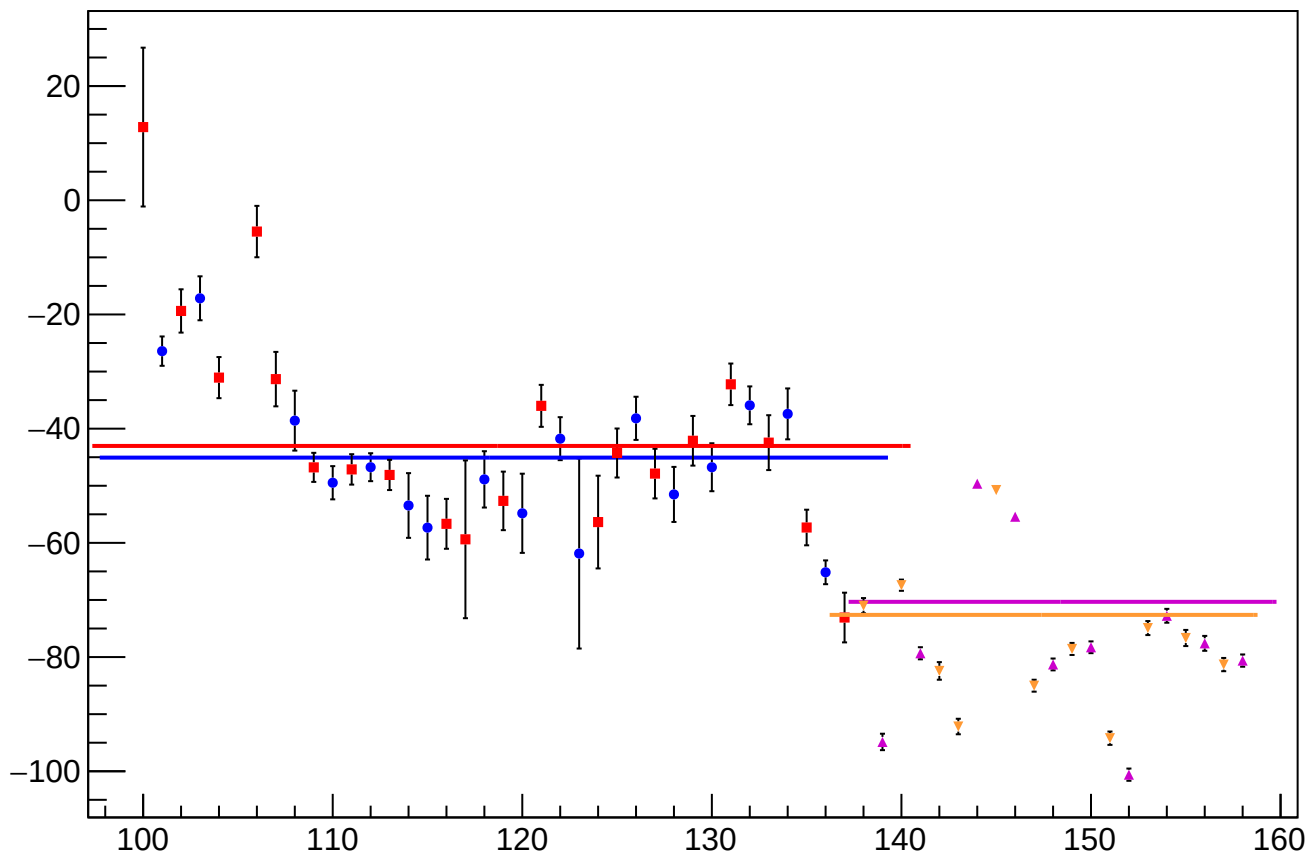
Right Out: -3.923 ± 0.506 $\chi^2/\text{NDF}: 122.4/19$

Left In: -5.805 ± 0.206 $\chi^2/\text{NDF}: 99.8/9$

-4.549 ± 0.205 $\chi^2/\text{NDF}: 466.5/27$

-5.538 ± 0.191 $\chi^2/\text{NDF}: 234.1/29$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -45.070 ± 0.883 χ^2/NDF : 229.7/16

Left Out: -72.614 ± 0.327 χ^2/NDF : 1970.8/10

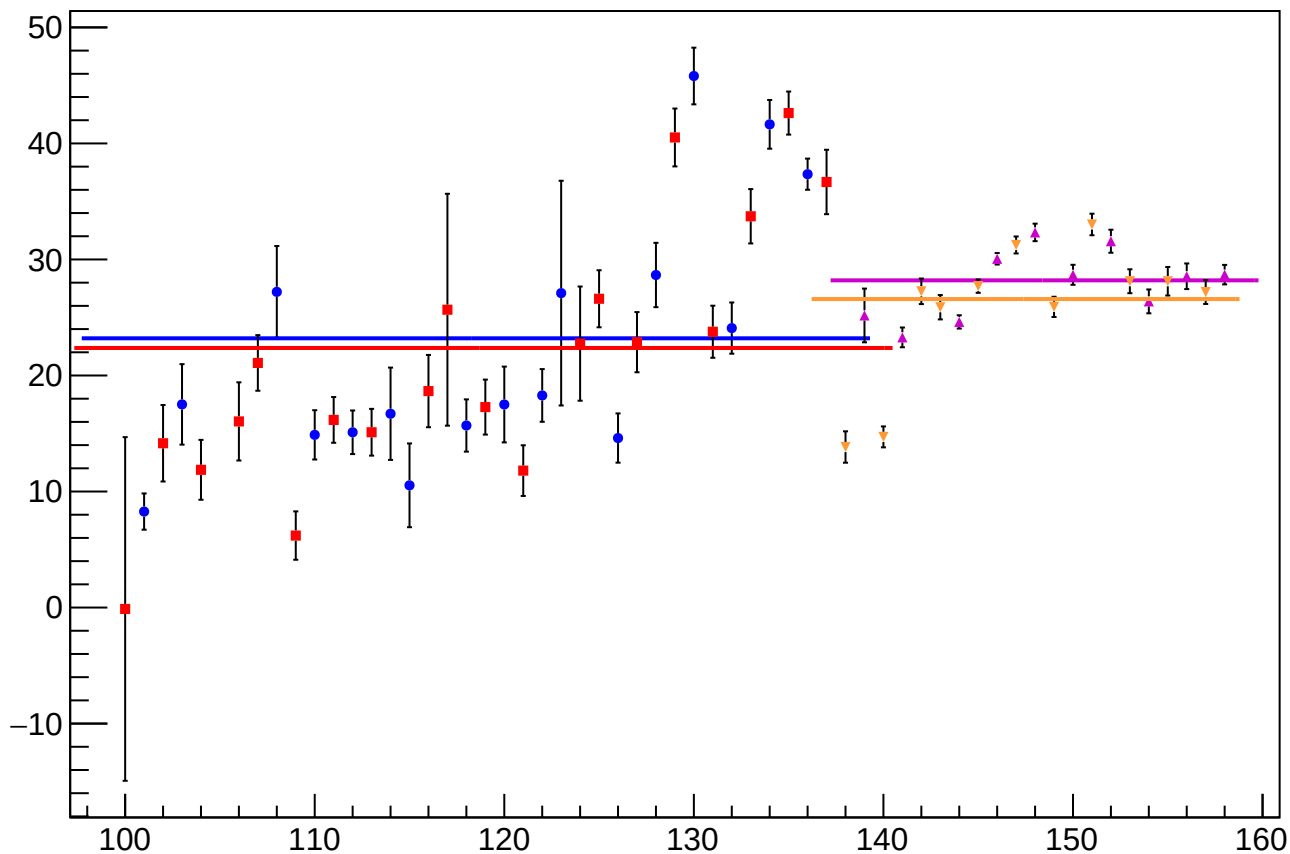
Right Out: -43.025 ± 0.876 χ^2/NDF : 249.7/19

Left In: -70.327 ± 0.305 χ^2/NDF : 2854.8/9

-69.290 ± 0.307 χ^2/NDF : 3055.5/27

-67.383 ± 0.288 χ^2/NDF : 3971.0/29

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 23.205 $\pm$ 0.559 χ^2 /NDF: 457.3/16

Left Out: 26.589 $\pm$ 0.273 χ^2 /NDF: 359.9/10

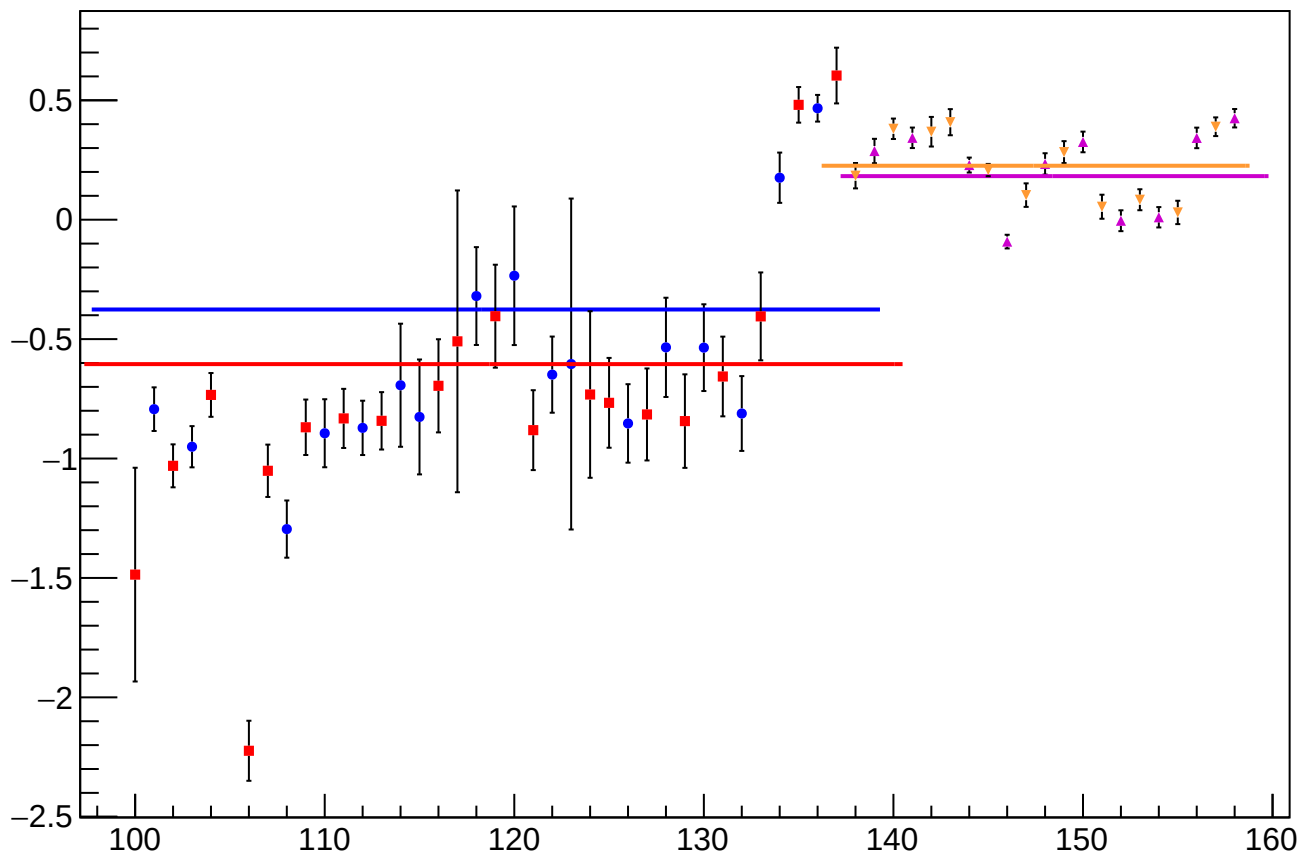
Right Out: 22.372 $\pm$ 0.572 χ^2 /NDF: 367.0/19

Left In: 28.199 $\pm$ 0.250 χ^2 /NDF: 133.4/9

25.936 $\pm$ 0.245 χ^2 /NDF: 846.8/27

27.262 $\pm$ 0.229 χ^2 /NDF: 587.6/29

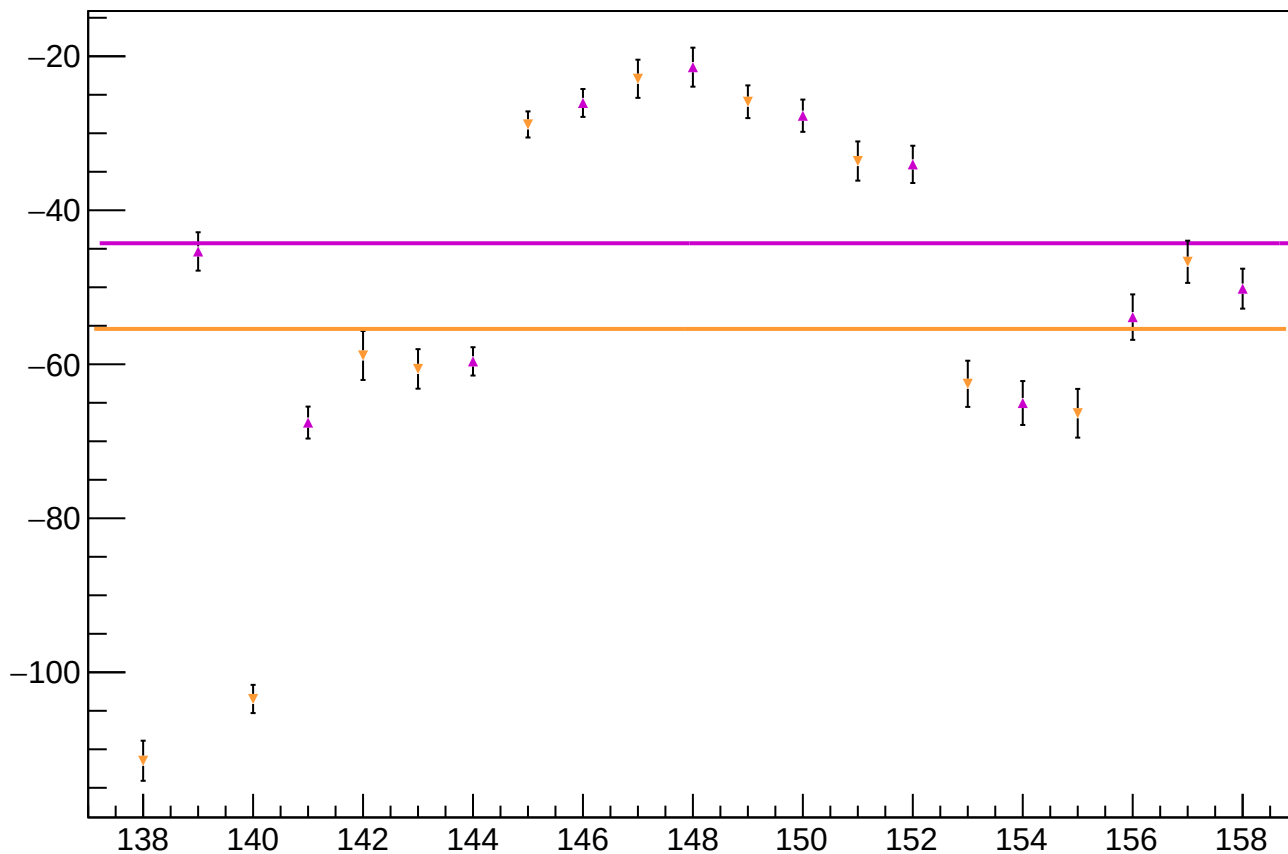
reg_asym_sam3_diff_bpm12X_slope vs Slug



0.131 ± 0.012 $\chi^2/\text{NDF}: 867.4/27$

0.069 ± 0.011 $\chi^2/\text{NDF}: 1344.7/29$

reg_asym_sam4_diff_bpm1X_slope vs Slug



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

Left Out: -55.406+/-0.720 χ^2/NDF : 1867.9/10

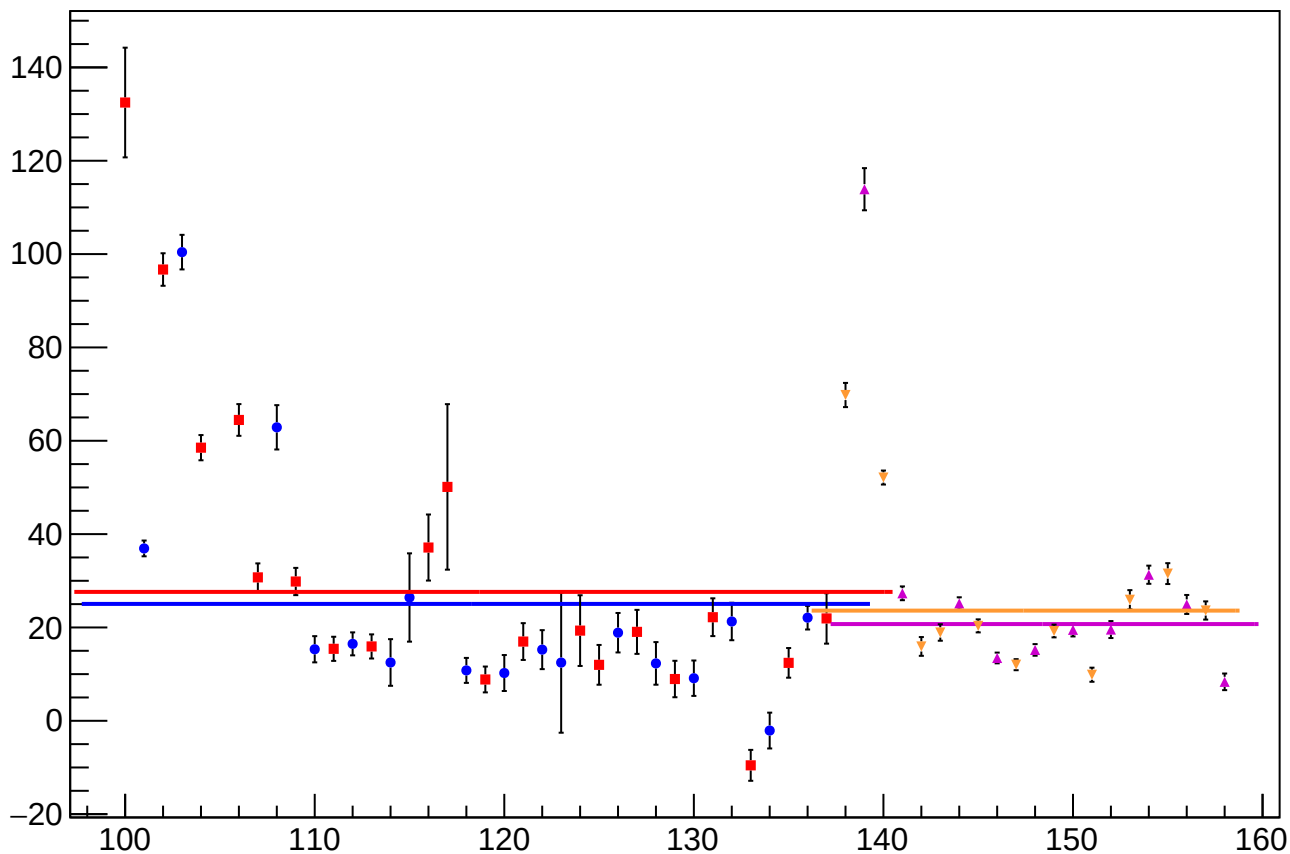
-55.406+/-0.720 χ^2/NDF : 1867.9/10

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

Left In: -44.282+/-0.719 χ^2/NDF : 527.8/9

-44.282+/-0.719 χ^2/NDF : 527.8/9

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 25.045 $\pm$ 0.806 χ^2 /NDF: 686.4/16

Left Out: 23.610 $\pm$ 0.496 χ^2 /NDF: 908.6/10

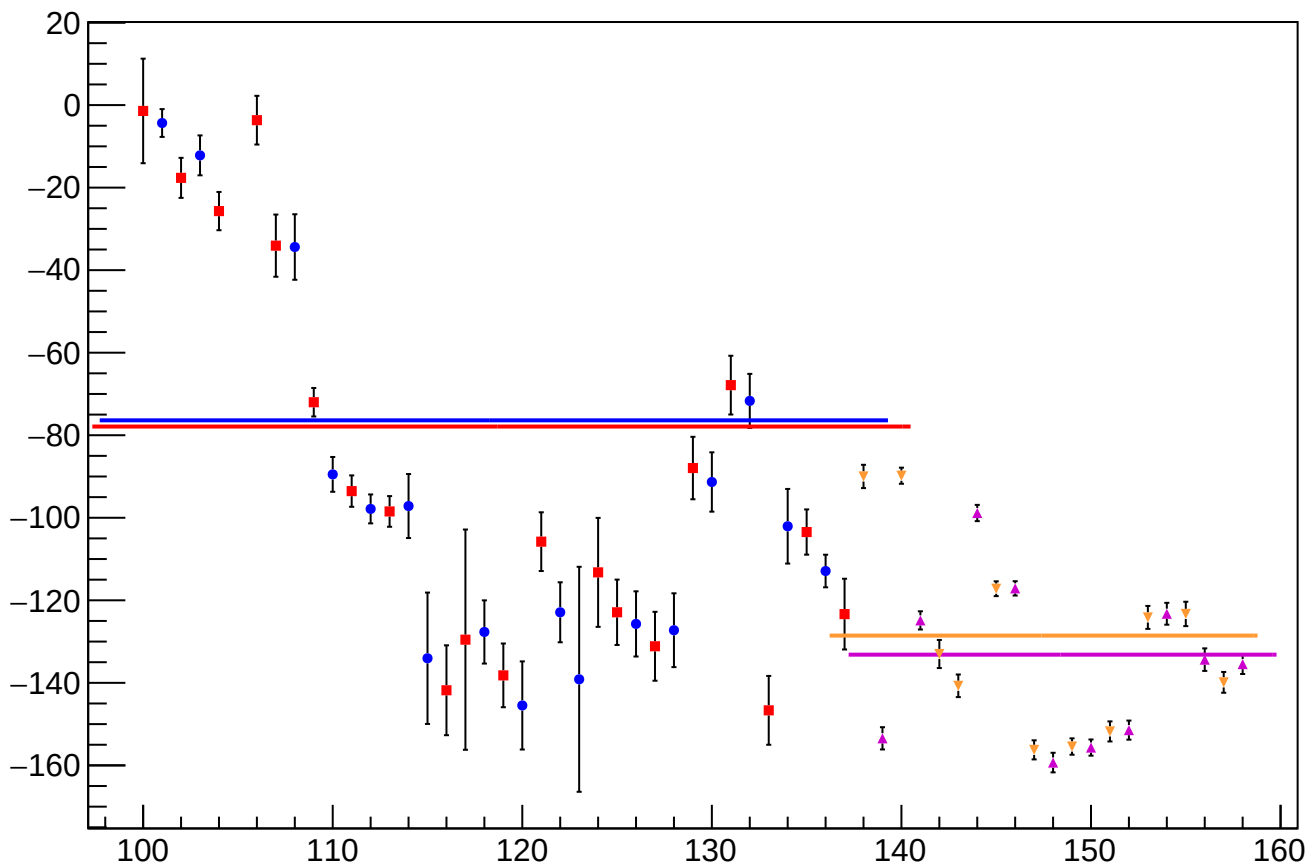
Right Out: 27.620 $\pm$ 0.809 χ^2 /NDF: 1014.4/19

Left In: 20.727 $\pm$ 0.493 χ^2 /NDF: 599.7/9

24.005 $\pm$ 0.423 χ^2 /NDF: 1597.4/27

22.595 $\pm$ 0.421 χ^2 /NDF: 1667.0/29

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -76.392+/-1.416 χ^2/NDF : 1031.9/16

Left Out: -128.544+/-0.720 χ^2/NDF : 1085.4/10

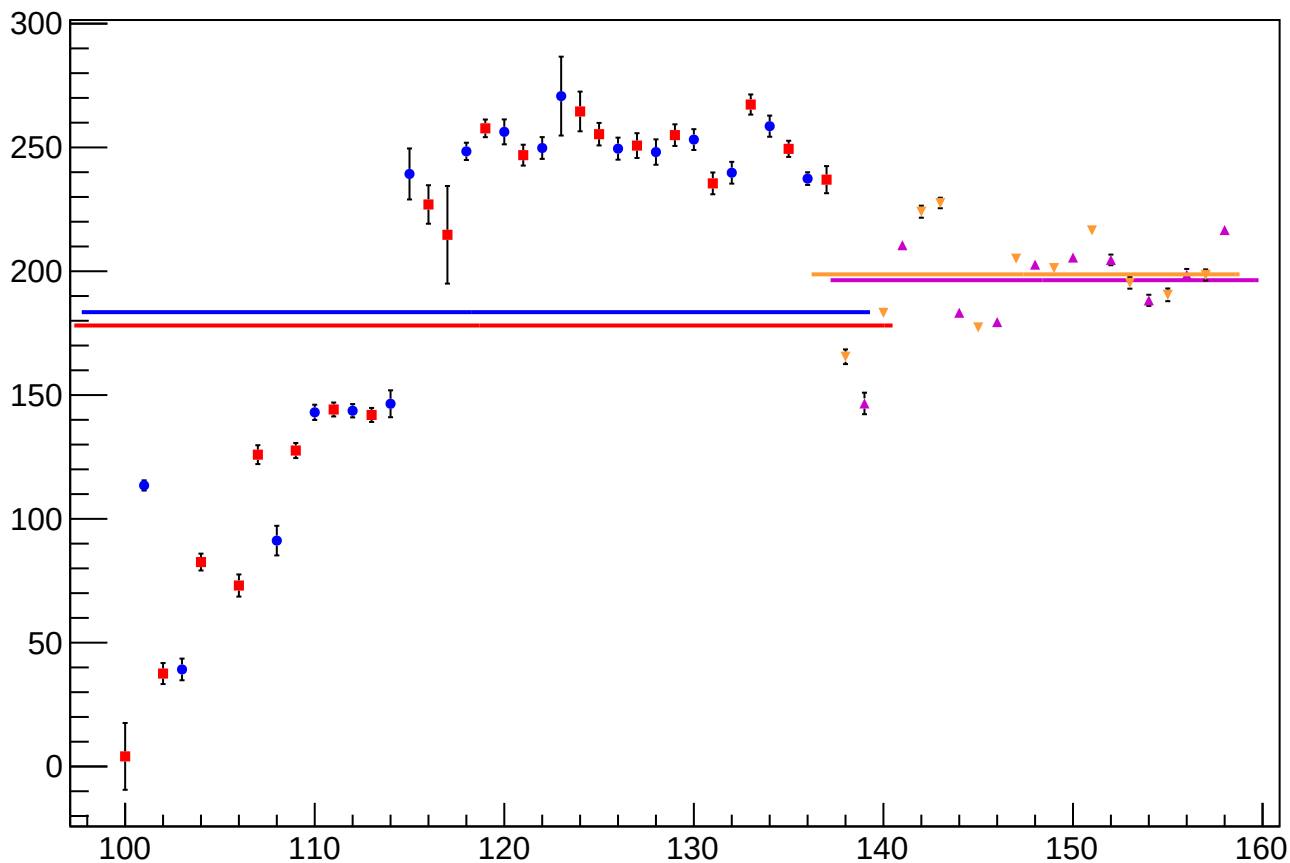
Right Out: -77.894+/-1.351 χ^2/NDF : 876.4/19

Left In: -133.171+/-0.706 χ^2/NDF : 790.5/9

-117.835+/-0.642 χ^2/NDF : 3194.9/27

-121.317+/-0.626 χ^2/NDF : 2981.8/29

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 183.478 ± 0.919 χ^2/NDF : 5331.4/16

Left Out: 198.747 ± 0.604 χ^2/NDF : 784.0/10

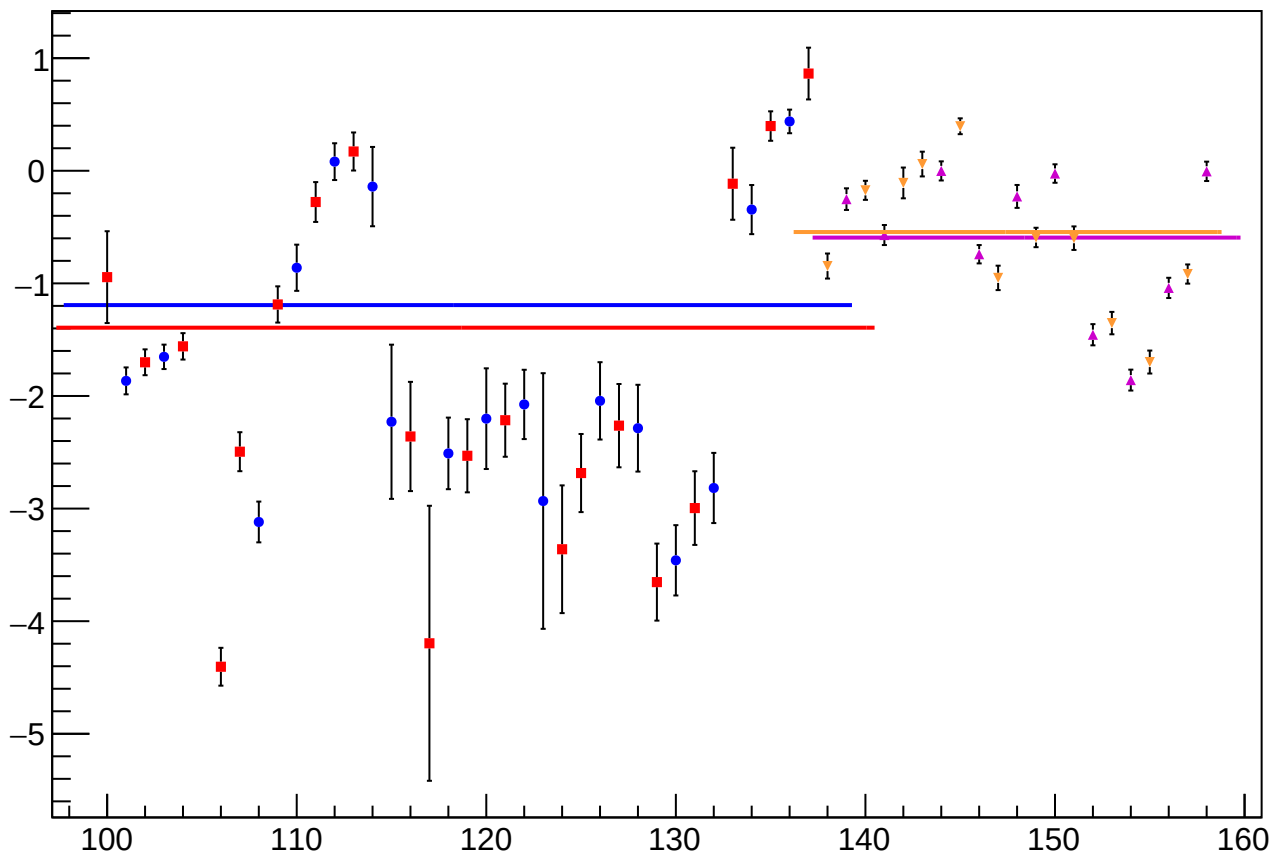
Right Out: 178.092 ± 0.923 χ^2/NDF : 6349.2/19

Left In: 196.388 ± 0.591 χ^2/NDF : 594.4/9

194.144 ± 0.504 χ^2/NDF : 6308.4/27

191.064 ± 0.498 χ^2/NDF : 7222.2/29

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.544 ± 0.029 χ^2/NDF : 473.6/10

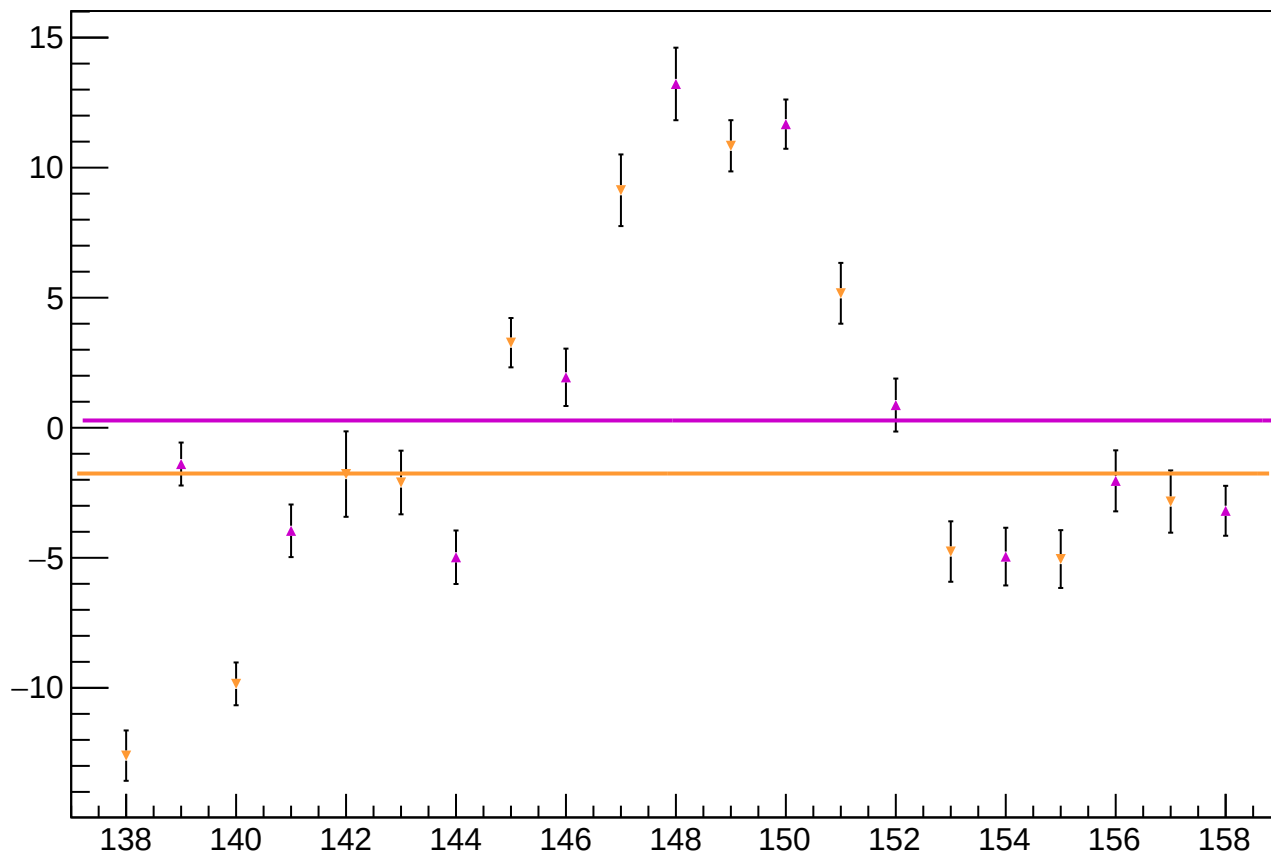
Right Out: -1.393 ± 0.046 χ^2/NDF : 925.8/19

Left In: -0.594 ± 0.028 χ^2/NDF : 466.8/9

-0.715 ± 0.025 χ^2/NDF : 1228.9/27

-0.813 ± 0.024 χ^2/NDF : 1613.8/29

reg_asym_sam5_diff_bpm1X_slope vs Slug



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

Left Out: -1.759+/-0.329 χ^2/NDF : 528.2/10

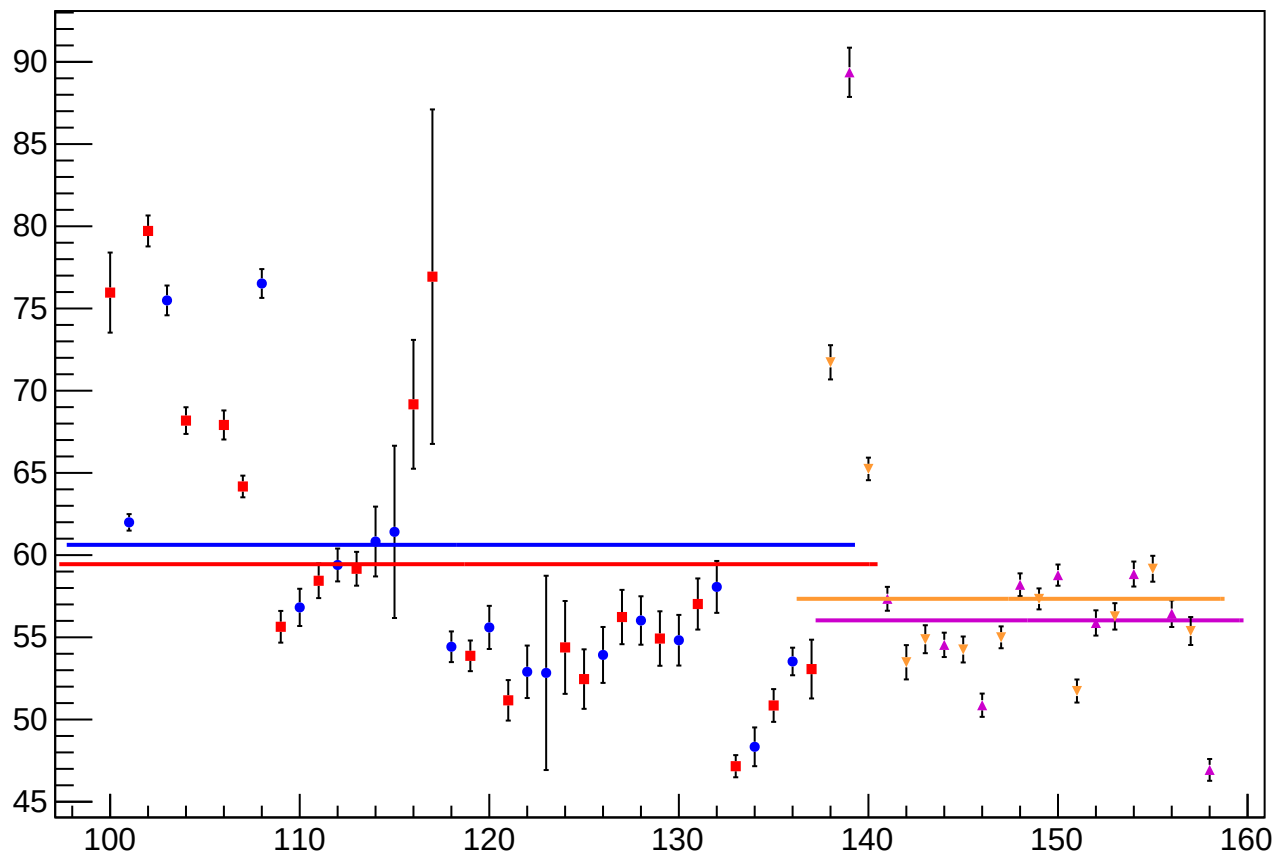
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.280+/-0.326 χ^2/NDF : 320.4/9

-1.759+/-0.329 χ^2/NDF : 528.2/10

0.280+/-0.326 χ^2/NDF : 320.4/9

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 60.625 $\pm$ 0.263 χ^2 /NDF: 924.6/16

Left Out: 57.342 $\pm$ 0.234 χ^2 /NDF: 449.5/10

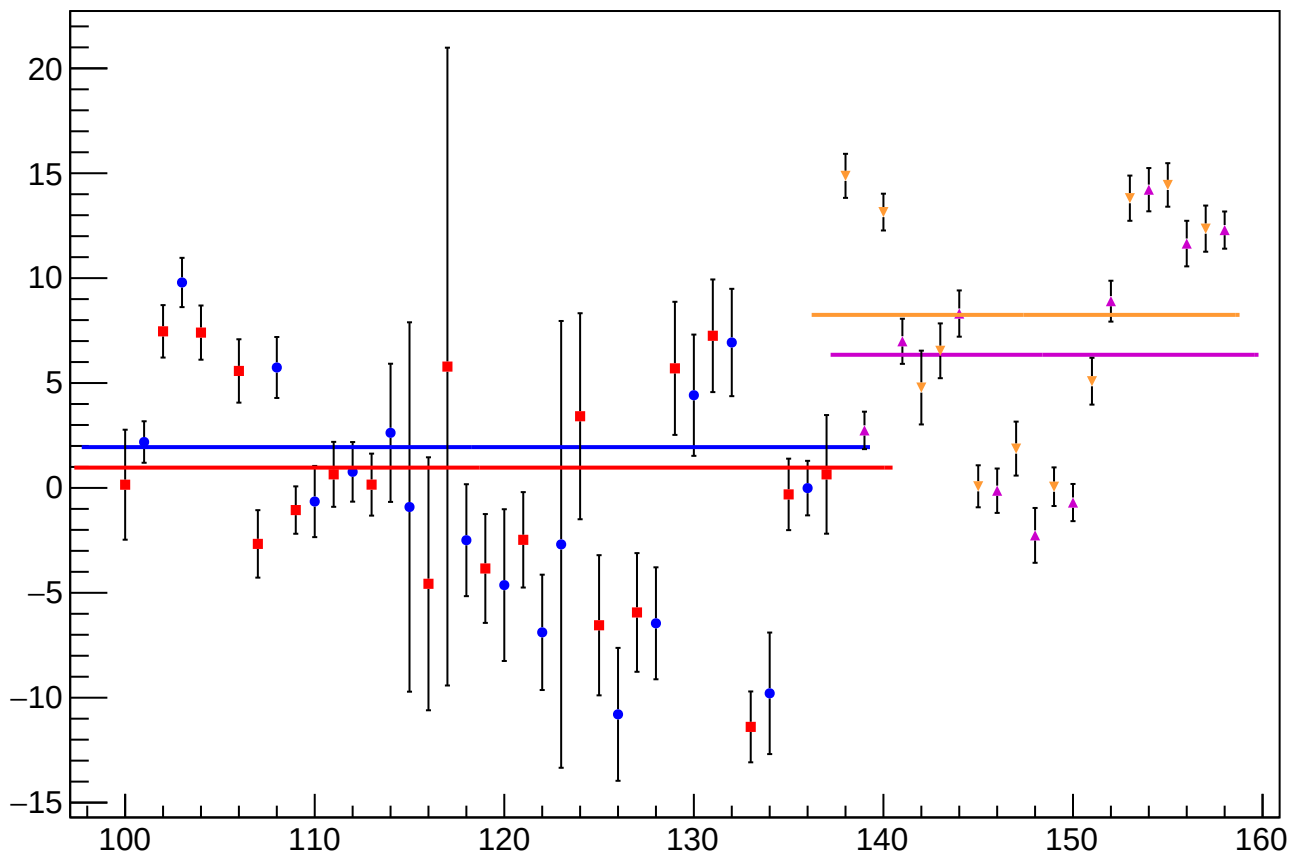
Right Out: 59.448 $\pm$ 0.248 χ^2 /NDF: 1326.3/19

Left In: 56.031 $\pm$ 0.237 χ^2 /NDF: 785.8/9

58.793 $\pm$ 0.175 χ^2 /NDF: 1461.0/27

57.661 $\pm$ 0.171 χ^2 /NDF: 2211.6/29

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 1.945 ± 0.459 χ^2/NDF : 120.6/16

Left Out: 8.249 ± 0.328 χ^2/NDF : 331.2/10

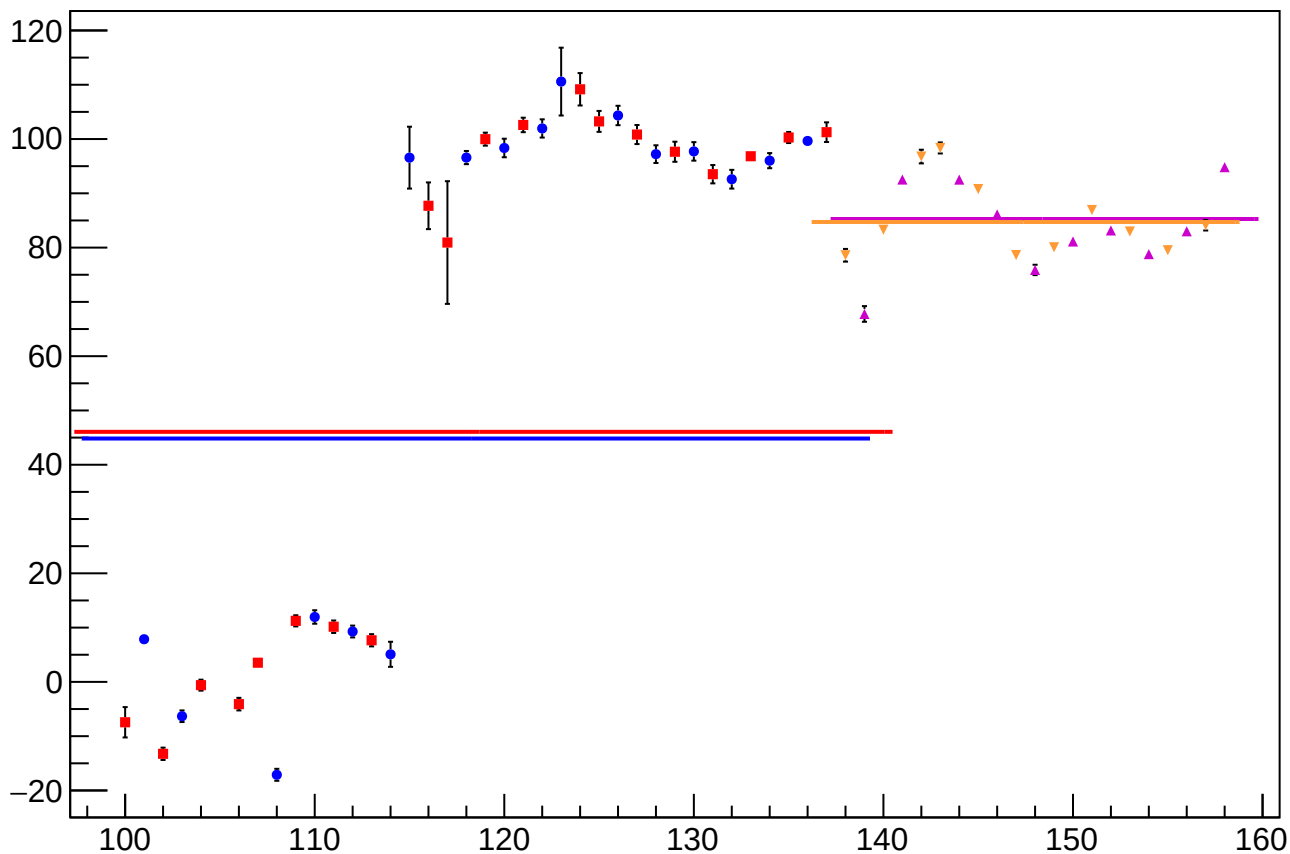
Right Out: 0.968 ± 0.424 χ^2/NDF : 149.6/19

Left In: 6.346 ± 0.319 χ^2/NDF : 297.8/9

6.120 ± 0.267 χ^2/NDF : 576.8/27

4.401 ± 0.255 χ^2/NDF : 550.1/29

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 44.829+/-0.305 χ^2/NDF : 24763.1/16

Left Out: 84.721+/-0.281 χ^2/NDF : 472.1/10

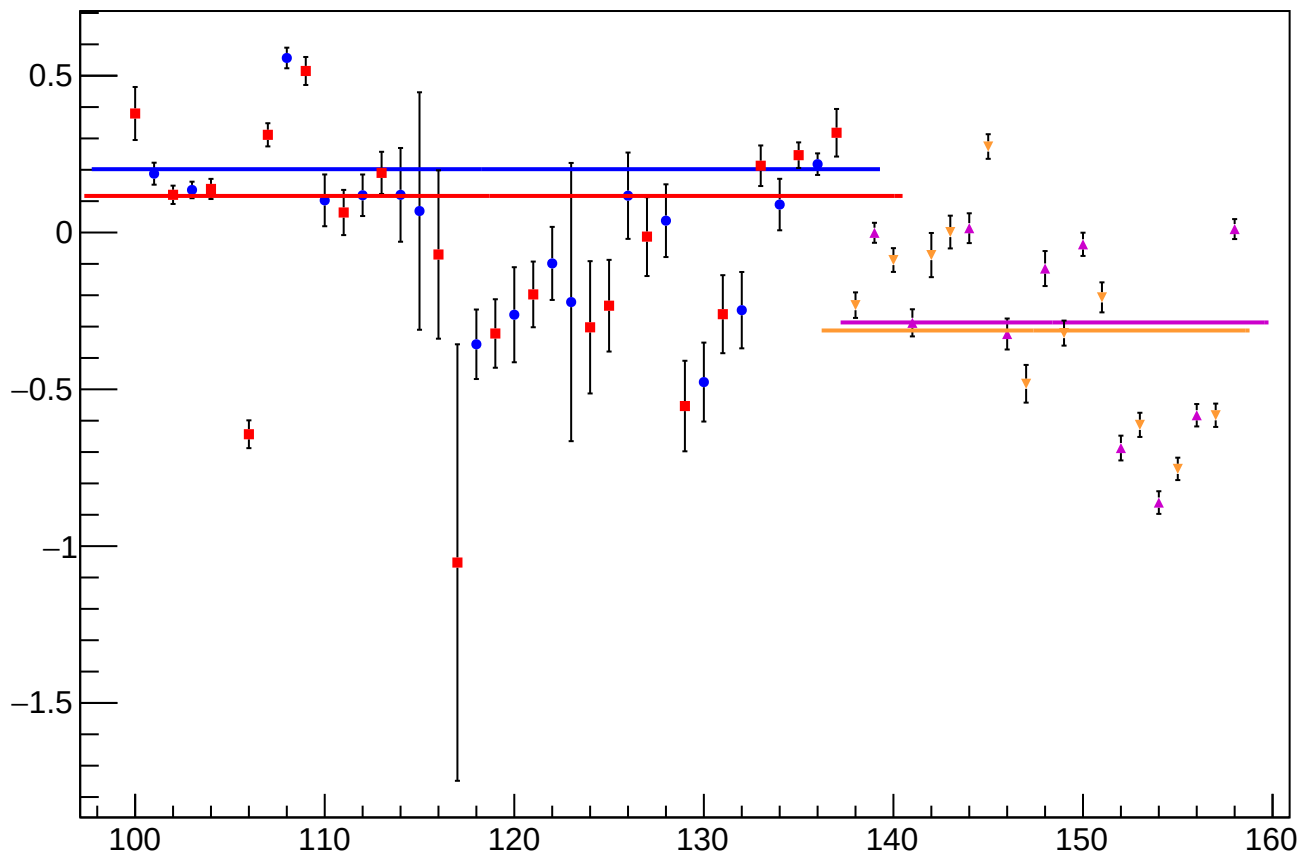
Right Out: 46.062+/-0.289 χ^2/NDF : 28272.9/19

Left In: 85.271+/-0.277 χ^2/NDF : 666.4/9

66.394+/-0.206 χ^2/NDF : 34503.9/27

66.546+/-0.200 χ^2/NDF : 38529.9/29

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: 0.202 $\pm$ 0.014 χ^2 /NDF: 216.0/16

Left Out: -0.312 $\pm$ 0.013 χ^2 /NDF: 589.3/10

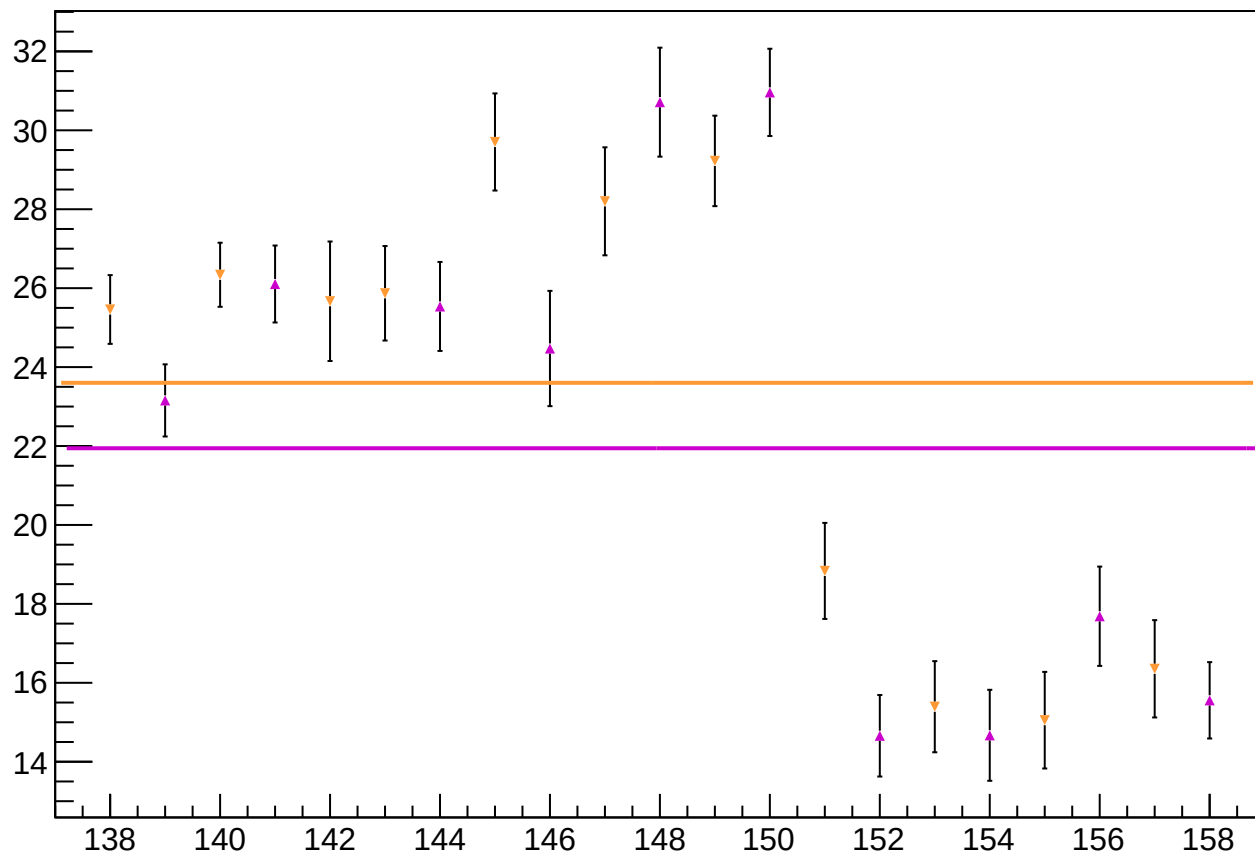
Right Out: 0.117 $\pm$ 0.013 χ^2 /NDF: 502.5/19

Left In: -0.287 $\pm$ 0.012 χ^2 /NDF: 687.4/9

-0.078 $\pm$ 0.009 χ^2 /NDF: 1533.7/27

-0.096 $\pm$ 0.009 χ^2 /NDF: 1696.4/29

reg_asym_sam6_diff_bpm1X_slope vs Slug



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

Left Out: 23.602+/-0.340 χ^2/NDF : 230.5/10

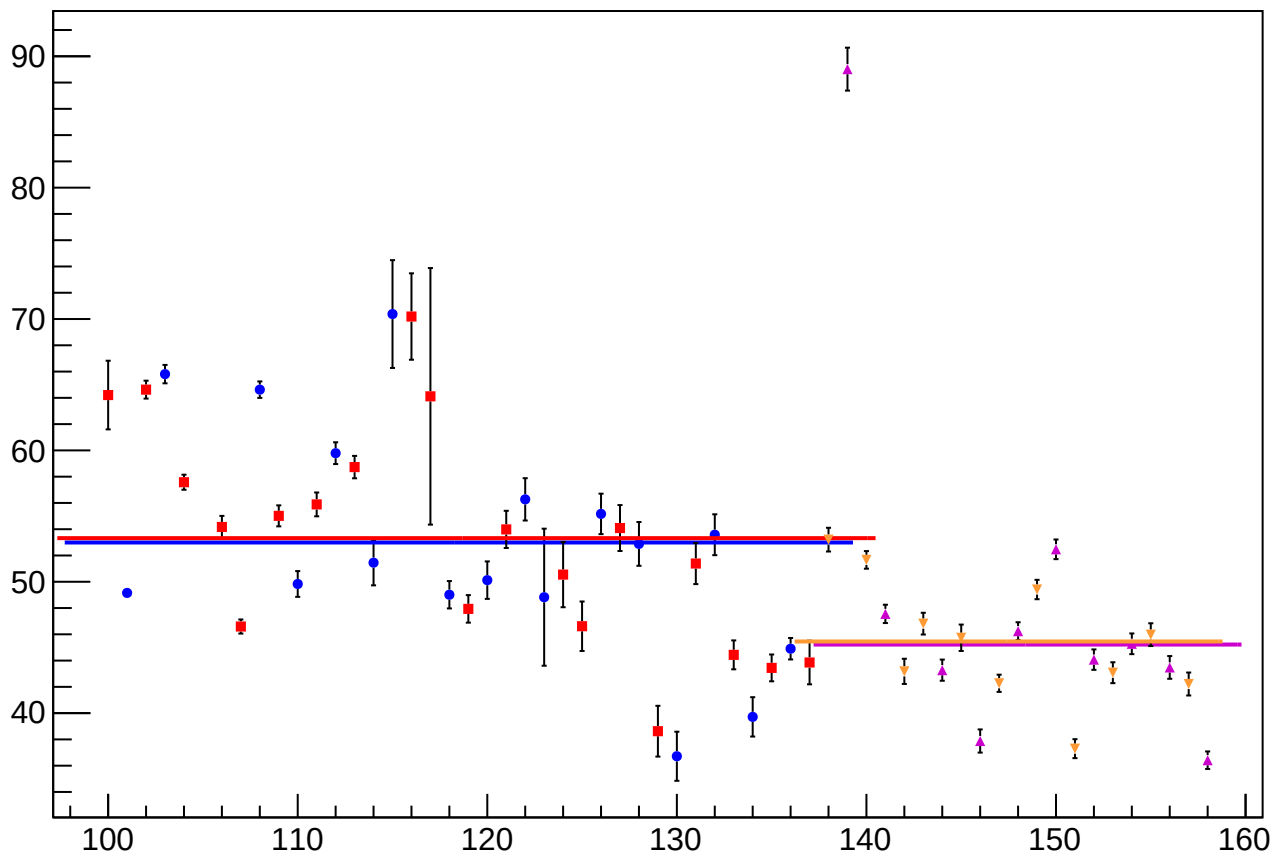
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 21.943+/-0.348 χ^2/NDF : 284.6/9

23.602+/-0.340 χ^2/NDF : 230.5/10

21.943+/-0.348 χ^2/NDF : 284.6/9

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 52.989 $\pm$ 0.211 χ^2/NDF : 1198.0/16

Left Out: 45.455 $\pm$ 0.240 χ^2/NDF : 371.1/10

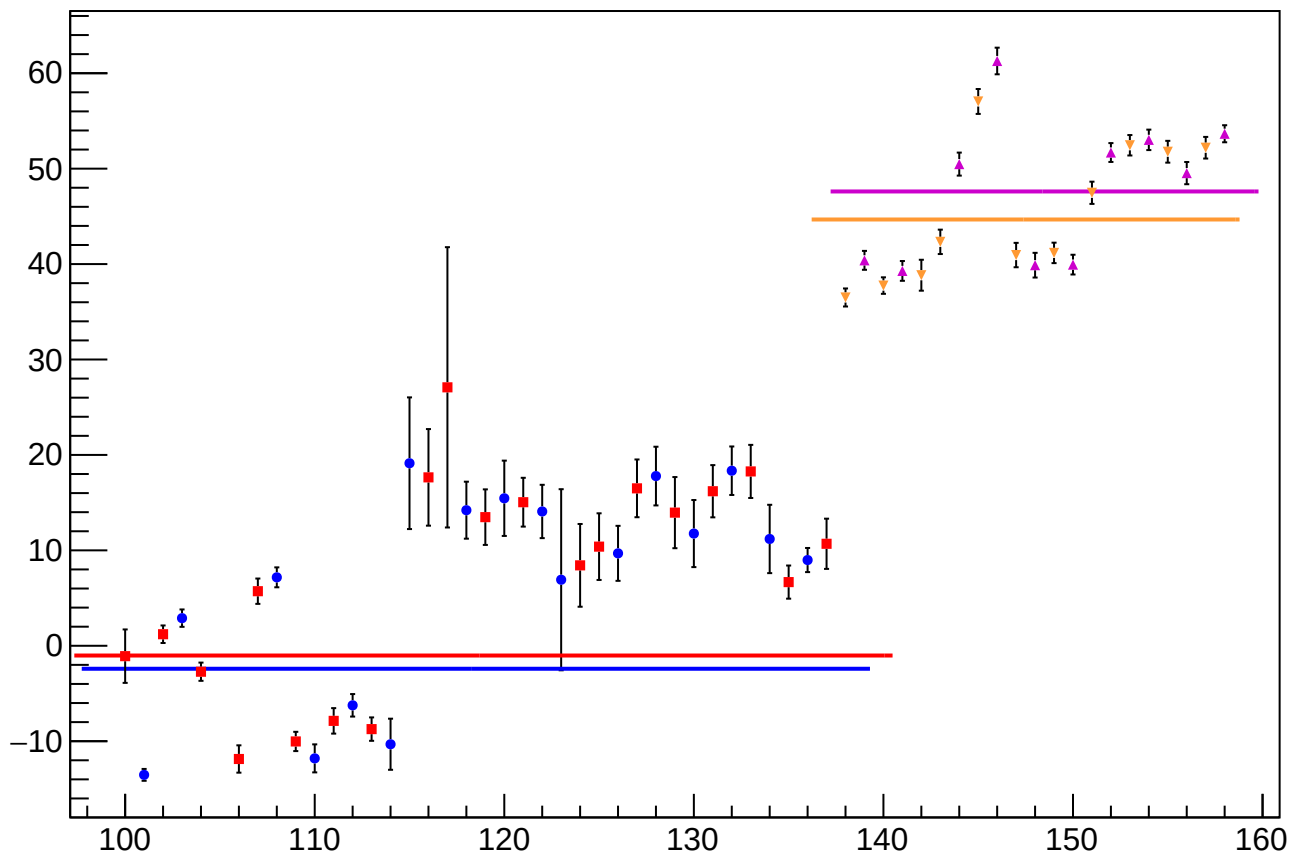
Right Out: 53.320 $\pm$ 0.227 χ^2/NDF : 876.8/19

Left In: 45.221 $\pm$ 0.250 χ^2/NDF : 1080.7/9

49.713 $\pm$ 0.159 χ^2/NDF : 2124.1/27

49.659 $\pm$ 0.168 χ^2/NDF : 2534.8/29

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: -2.409 ± 0.364 χ^2/NDF : 834.6/16

Left Out: 44.672 ± 0.340 χ^2/NDF : 405.4/10

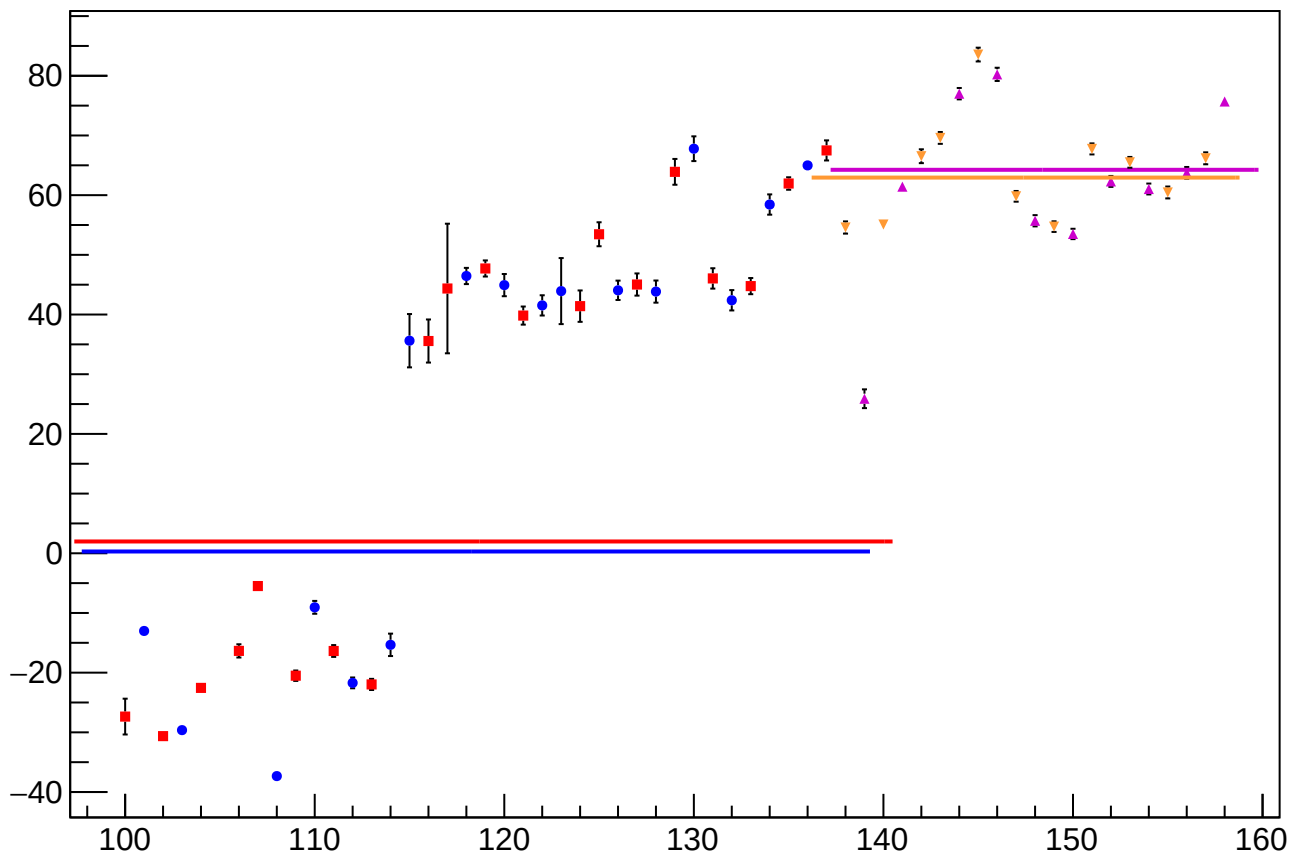
Right Out: -1.021 ± 0.377 χ^2/NDF : 511.2/19

Left In: 47.609 ± 0.342 χ^2/NDF : 400.9/9

22.785 ± 0.248 χ^2/NDF : 10176.8/27

25.676 ± 0.253 χ^2/NDF : 10049.8/29

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.300 ± 0.247 $\chi^2/\text{NDF}: 18259.2/16$

Left Out: 62.945 ± 0.290 $\chi^2/\text{NDF}: 682.7/10$

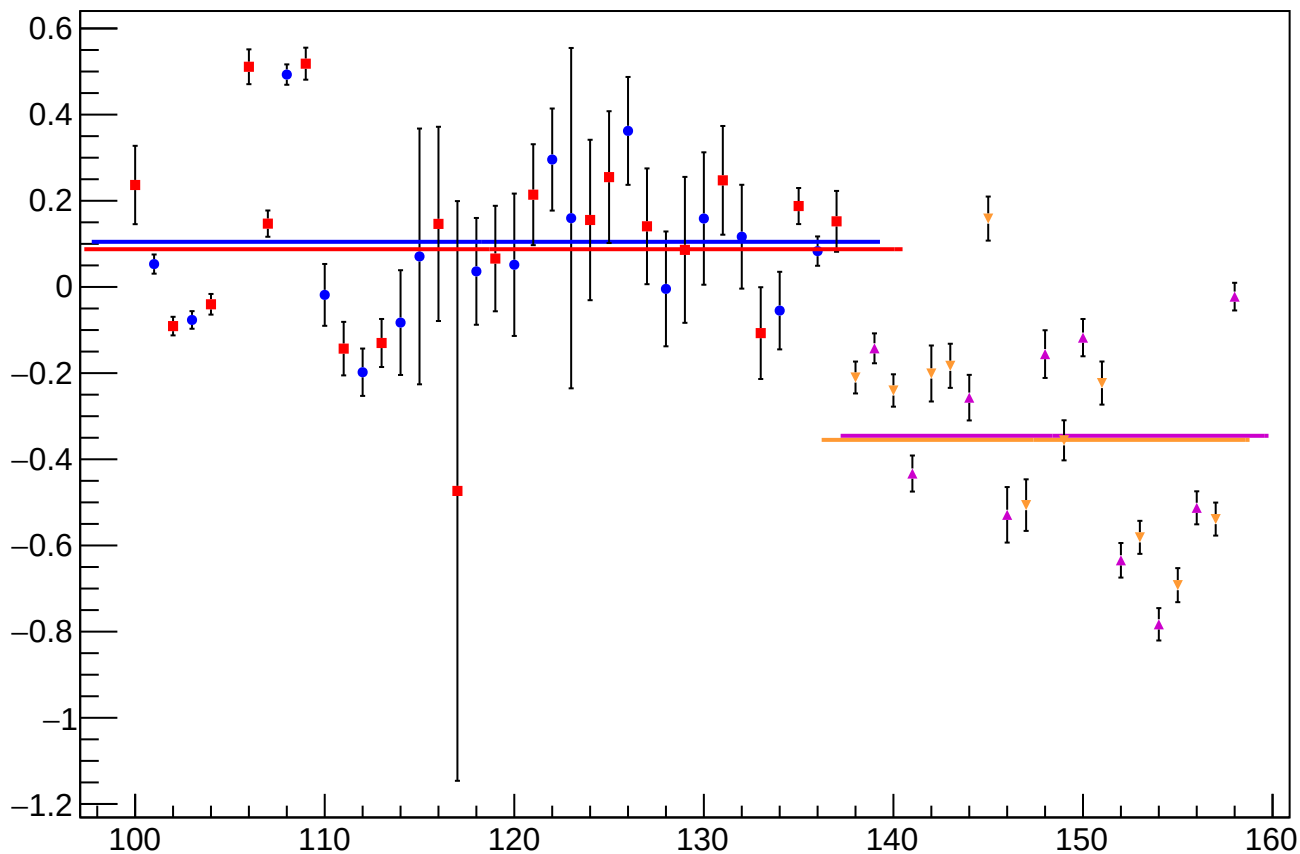
Right Out: 1.978 ± 0.267 $\chi^2/\text{NDF}: 15465.9/19$

Left In: 64.249 ± 0.293 $\chi^2/\text{NDF}: 1510.3/9$

26.690 ± 0.188 $\chi^2/\text{NDF}: 45947.8/27$

30.172 ± 0.197 $\chi^2/\text{NDF}: 41687.8/29$

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.105 ± 0.011 $\chi^2/\text{NDF}: 400.8/16$

Left Out: -0.355 ± 0.013 $\chi^2/\text{NDF}: 286.5/10$

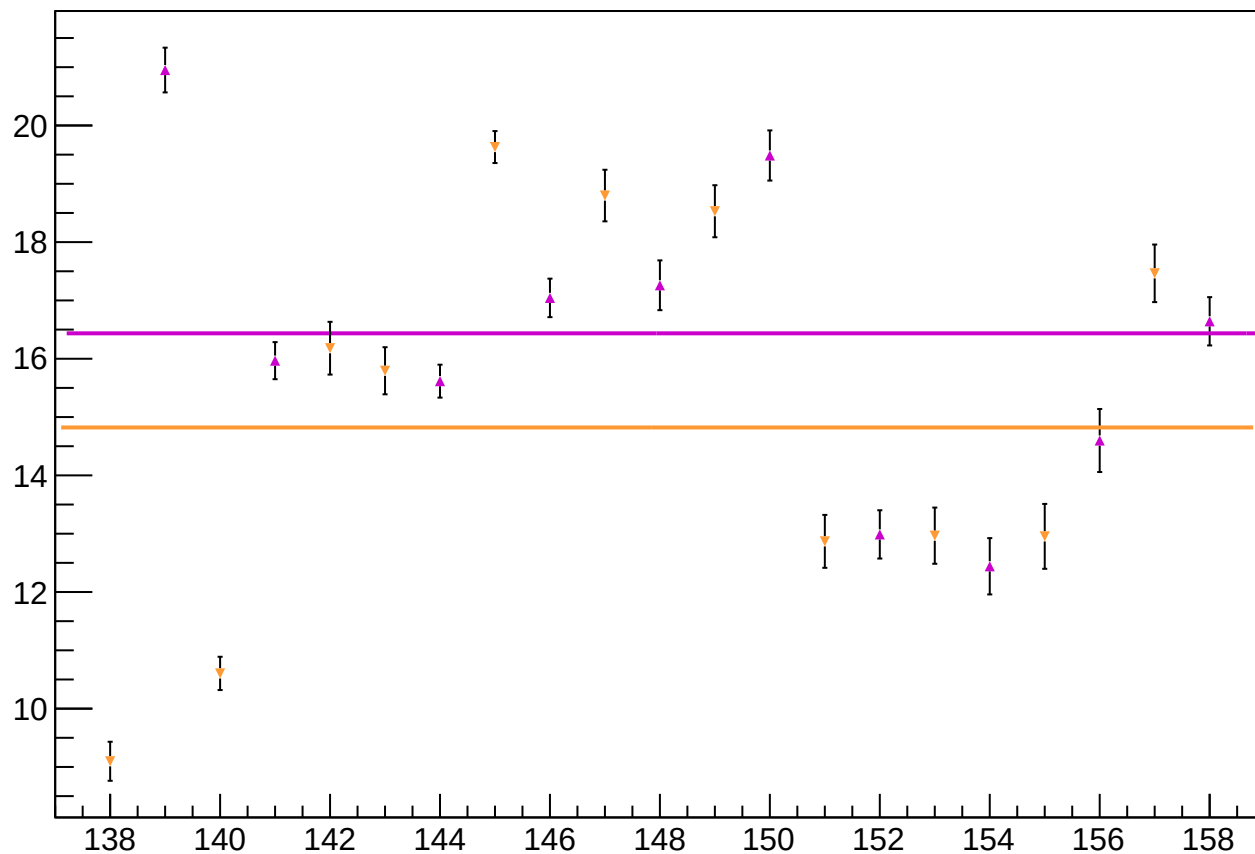
Right Out: 0.088 ± 0.011 $\chi^2/\text{NDF}: 391.6/19$

Left In: -0.345 ± 0.013 $\chi^2/\text{NDF}: 396.6/9$

-0.081 ± 0.009 $\chi^2/\text{NDF}: 1389.3/27$

-0.092 ± 0.008 $\chi^2/\text{NDF}: 1429.4/29$

reg_asym_sam7_diff_bpm1X_slope vs Slug



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

Left Out: 14.822+/-0.118 χ^2/NDF : 1057.0/10

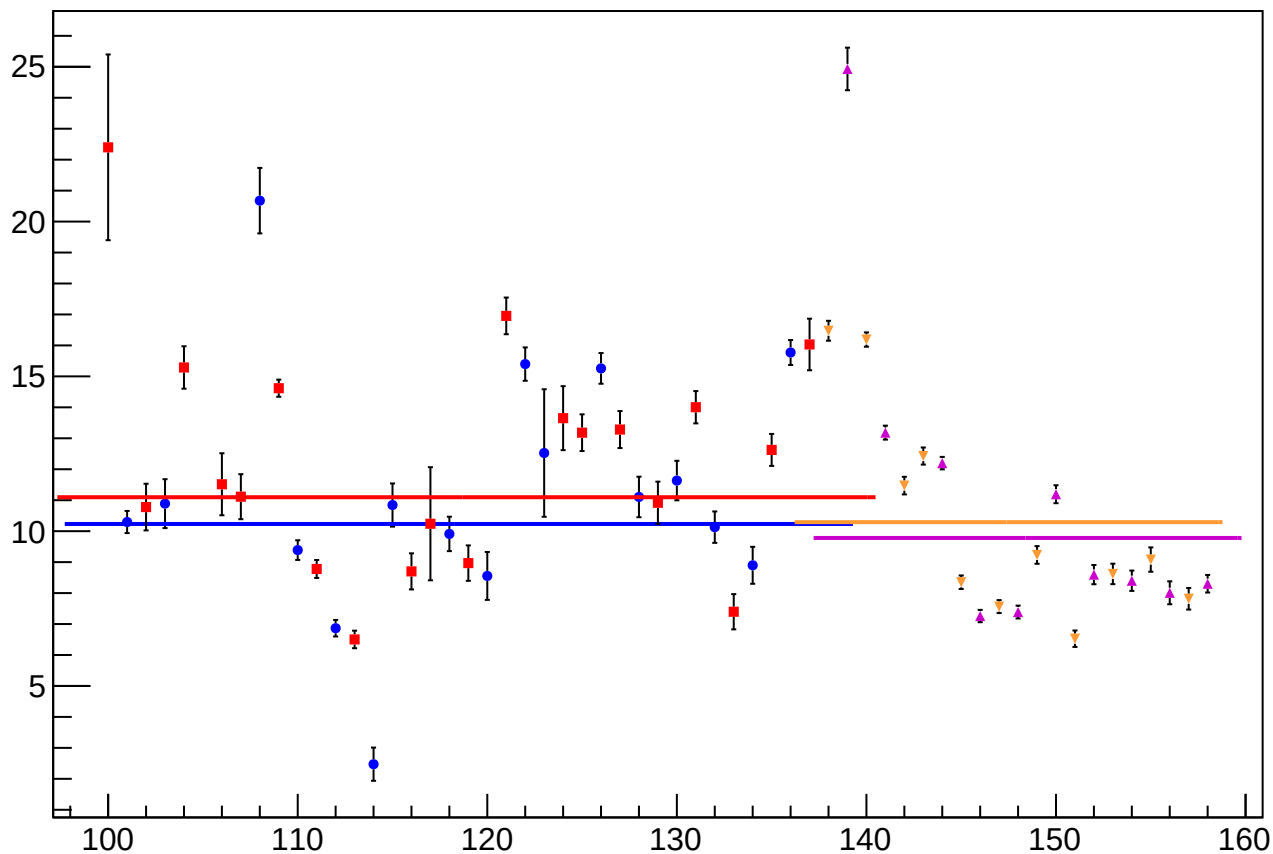
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 16.436+/-0.121 χ^2/NDF : 356.1/9

14.822+/-0.118 χ^2/NDF : 1057.0/10

16.436+/-0.121 χ^2/NDF : 356.1/9

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.232+/-0.119 χ^2/NDF : 876.7/16

Left Out: 10.291+/-0.082 χ^2/NDF :1643.6/10

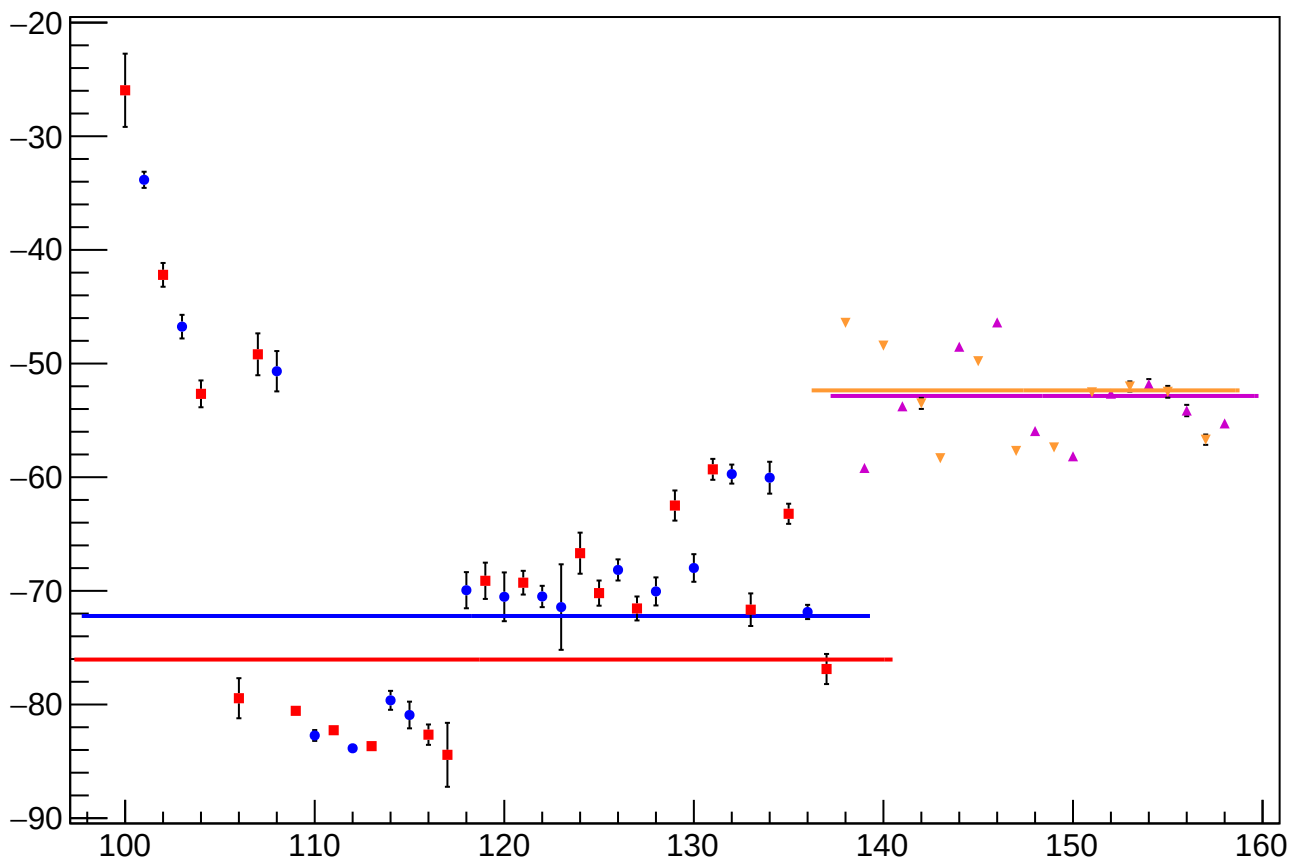
Right Out: 11.096+/-0.116 χ^2/NDF : 818.0/19

Left In: 9.781+/-0.083 χ^2/NDF :1257.5/9

10.272+/-0.068 χ^2/NDF : 2520.5/27

10.223+/-0.067 χ^2/NDF : 2160.7/29

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -72.211 $\pm$ 0.198 χ^2 /NDF: 5566.2/16

Left Out: -52.361 $\pm$ 0.119 χ^2 /NDF: 1114.4/10

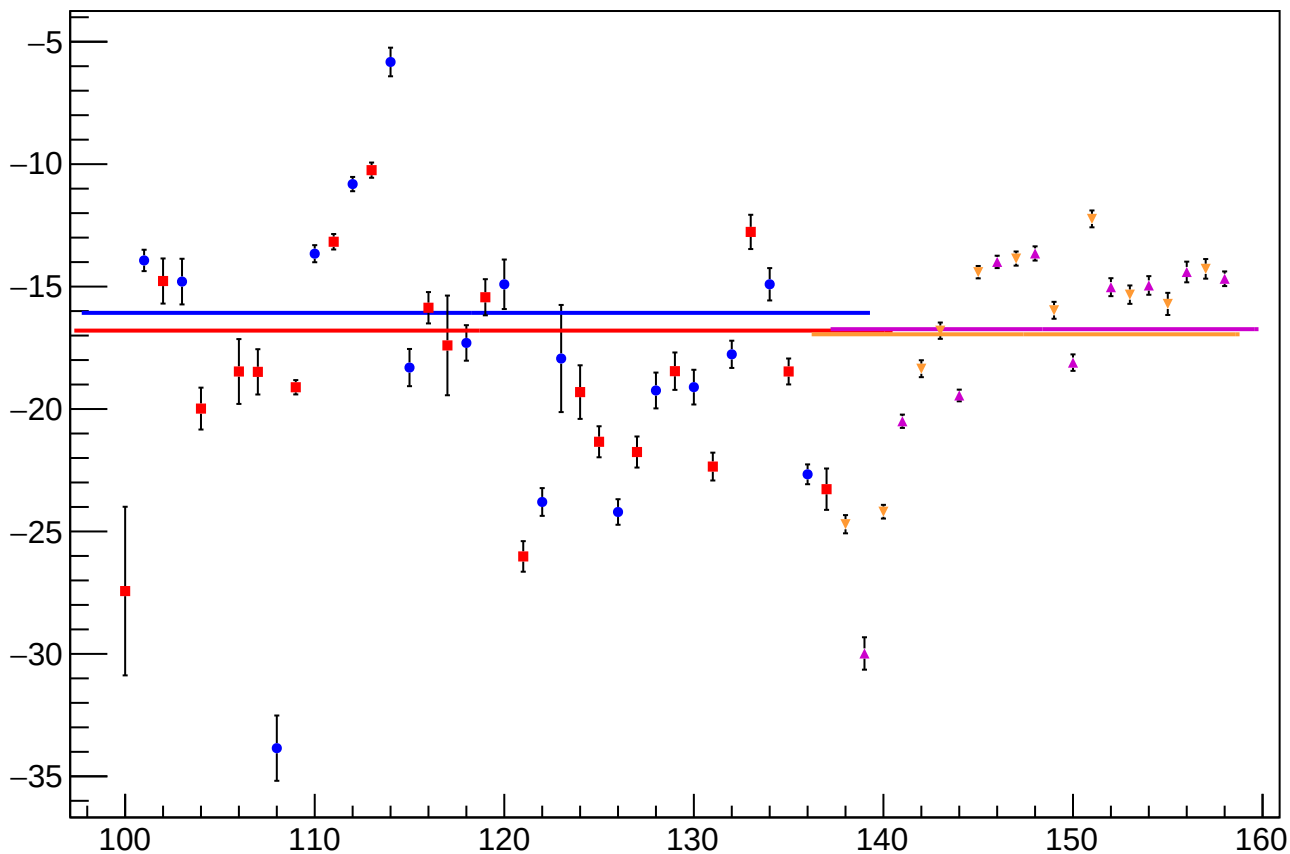
Right Out: -76.044 $\pm$ 0.181 χ^2 /NDF: 3472.2/19

Left In: -52.851 $\pm$ 0.119 χ^2 /NDF: 1148.0/9

-57.649 $\pm$ 0.102 χ^2 /NDF: 14054.4/27

-59.912 $\pm$ 0.100 χ^2 /NDF: 16089.5/29

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.073 ± 0.133 $\chi^2/\text{NDF}: 1640.5/16$

Left Out: -16.948 ± 0.100 $\chi^2/\text{NDF}: 1601.2/10$

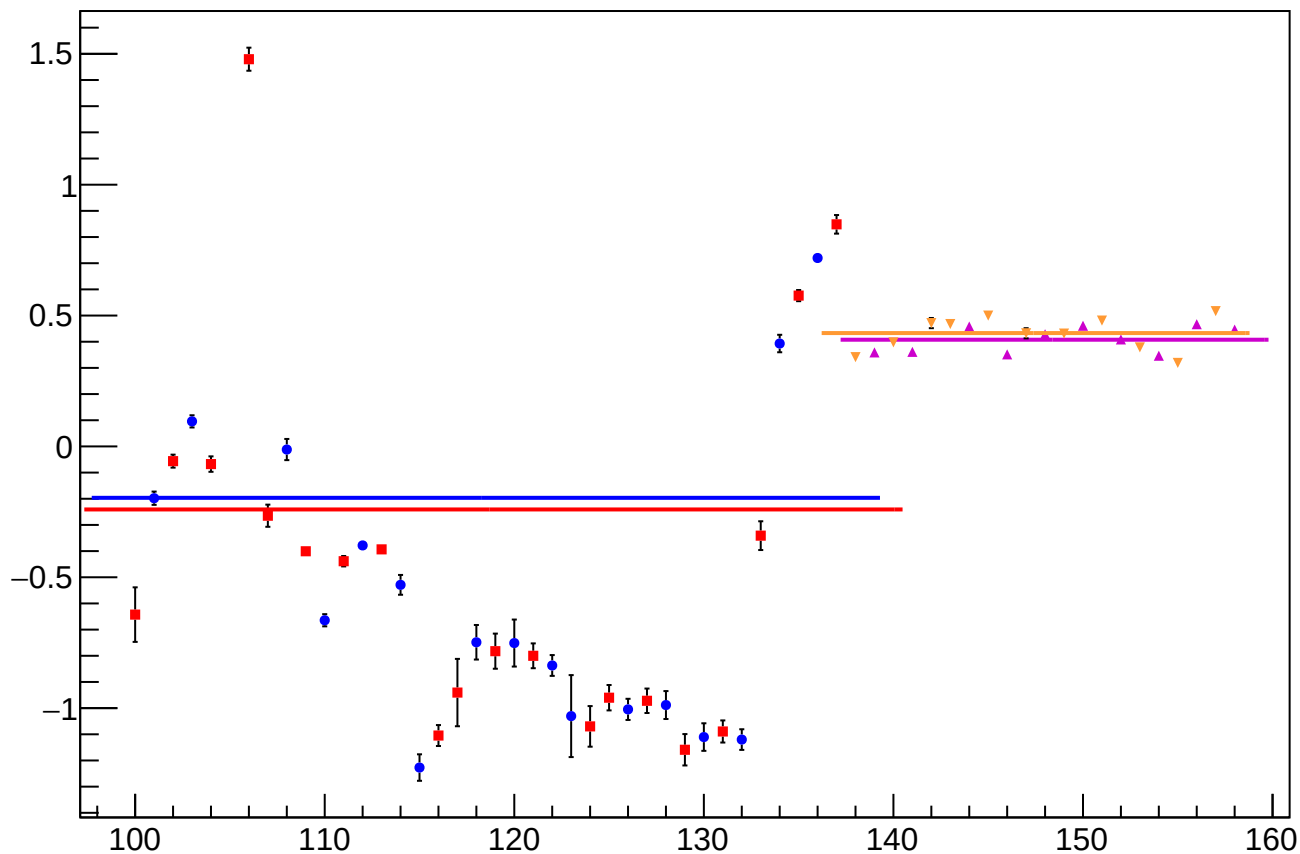
Right Out: -16.797 ± 0.128 $\chi^2/\text{NDF}: 1216.1/19$

Left In: -16.739 ± 0.100 $\chi^2/\text{NDF}: 1090.0/9$

-16.631 ± 0.080 $\chi^2/\text{NDF}: 3269.5/27$

-16.761 ± 0.079 $\chi^2/\text{NDF}: 2306.2/29$

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.433 ± 0.005 χ^2/NDF : 177.8/10

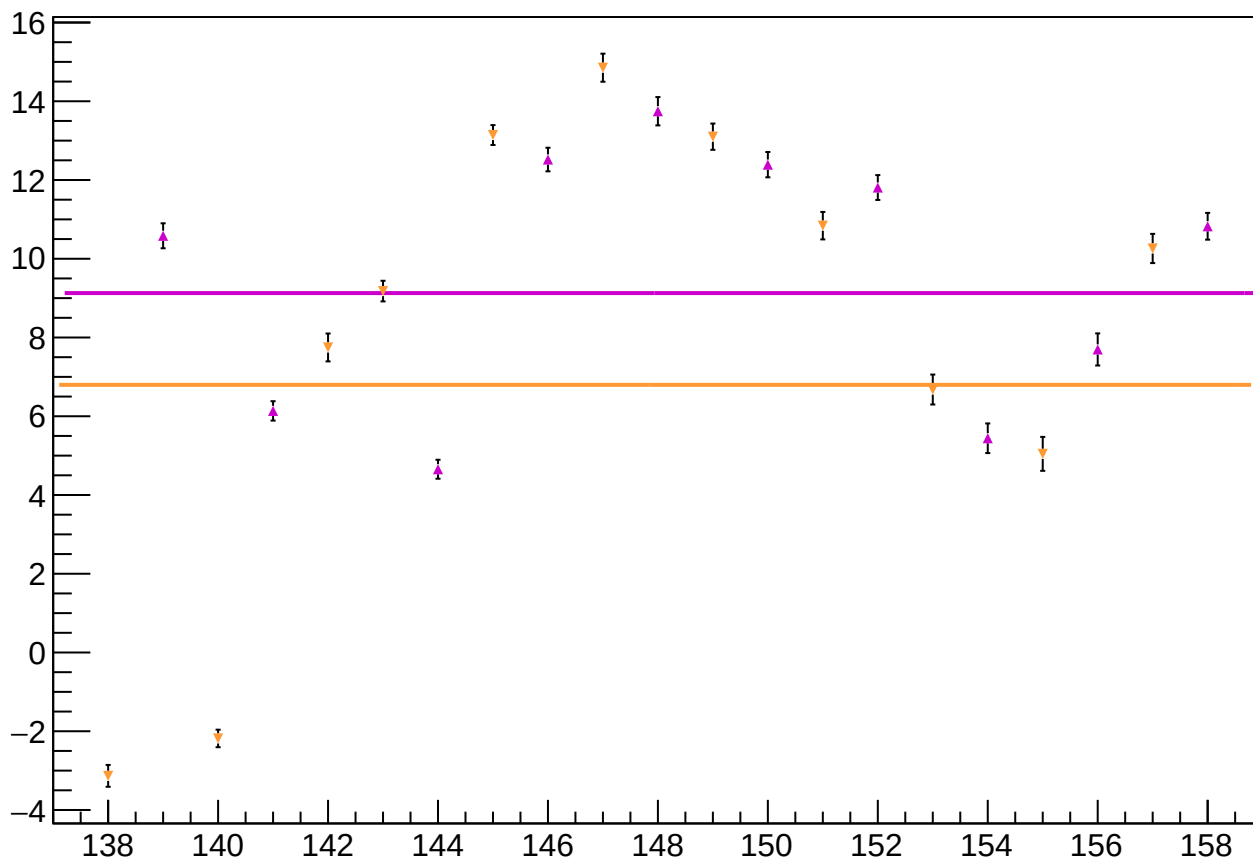
Right Out: -0.241 ± 0.007 χ^2/NDF : 6218.3/19

Left In: 0.408 ± 0.005 χ^2/NDF : 99.1/9

0.253 ± 0.004 χ^2/NDF : 11472.7/27

0.209 ± 0.004 χ^2/NDF : 12001.1/29

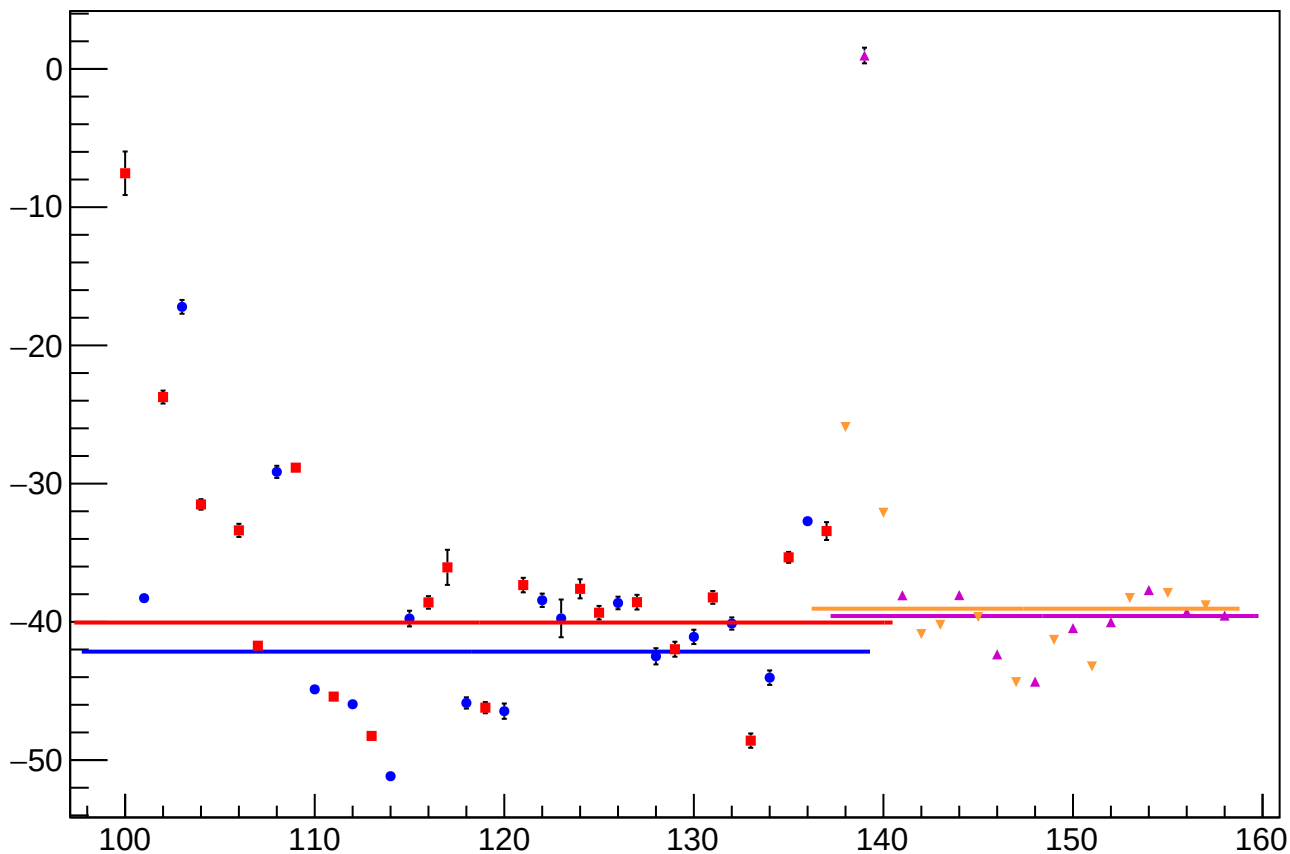
reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
Left Out: 6.798 $\pm$ 0.093 χ^2 /NDF: 4733.4/10
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
Left In: 9.128 $\pm$ 0.098 χ^2 /NDF: 1114.5/9

6.798 $\pm$ 0.093 χ^2 /NDF: 4733.4/10
9.128 $\pm$ 0.098 χ^2 /NDF: 1114.5/9

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -42.153 ± 0.078 $\chi^2/\text{NDF}: 6557.8/16$

Left Out: -39.046 ± 0.065 $\chi^2/\text{NDF}: 5497.4/10$

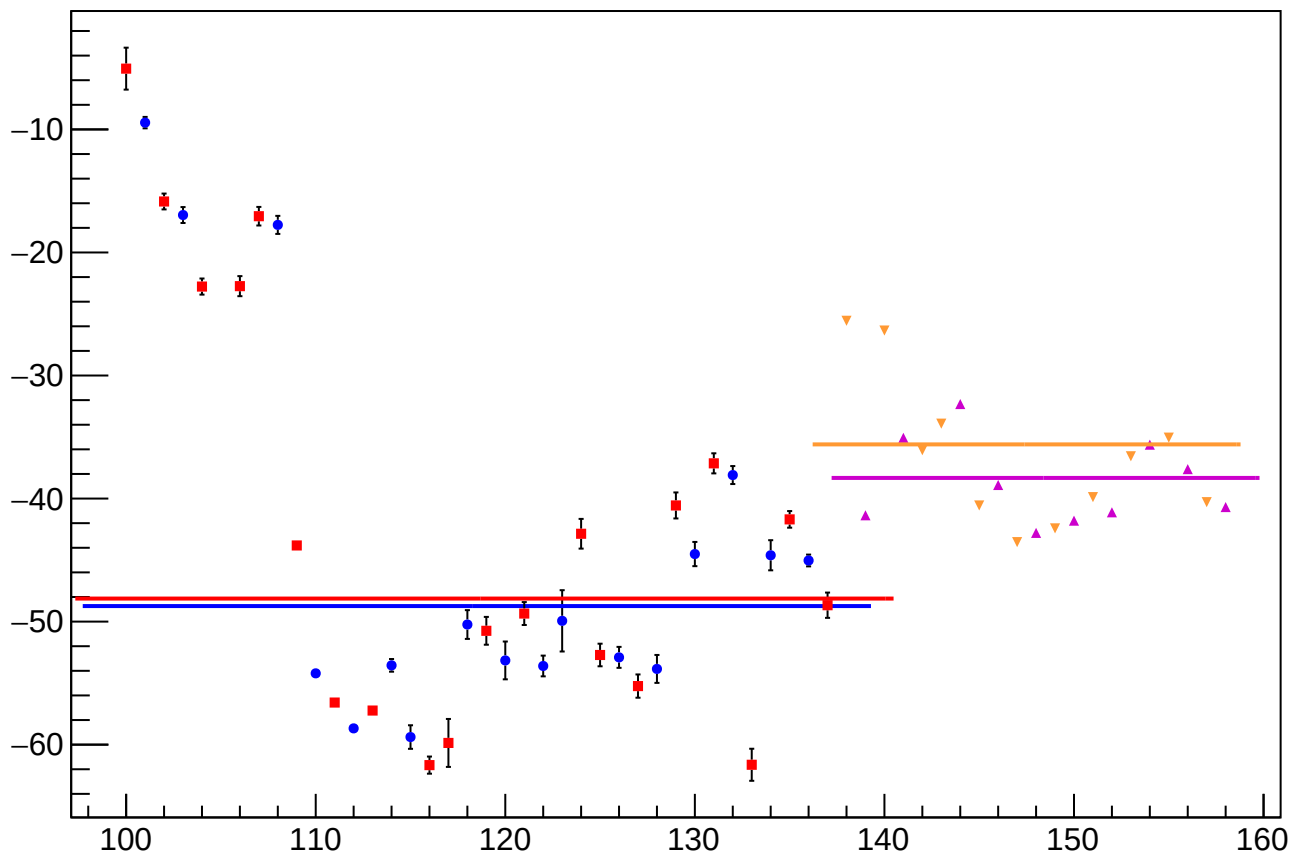
Right Out: -40.049 ± 0.073 $\chi^2/\text{NDF}: 11332.1/19$

Left In: -39.578 ± 0.068 $\chi^2/\text{NDF}: 6293.8/9$

-40.312 ± 0.050 $\chi^2/\text{NDF}: 12995.3/27$

-39.798 ± 0.050 $\chi^2/\text{NDF}: 17648.4/29$

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -48.737 $\pm$ 0.125 χ^2/NDF : 14658.1/16

Left Out: -35.598 $\pm$ 0.094 χ^2/NDF : 4428.6/10

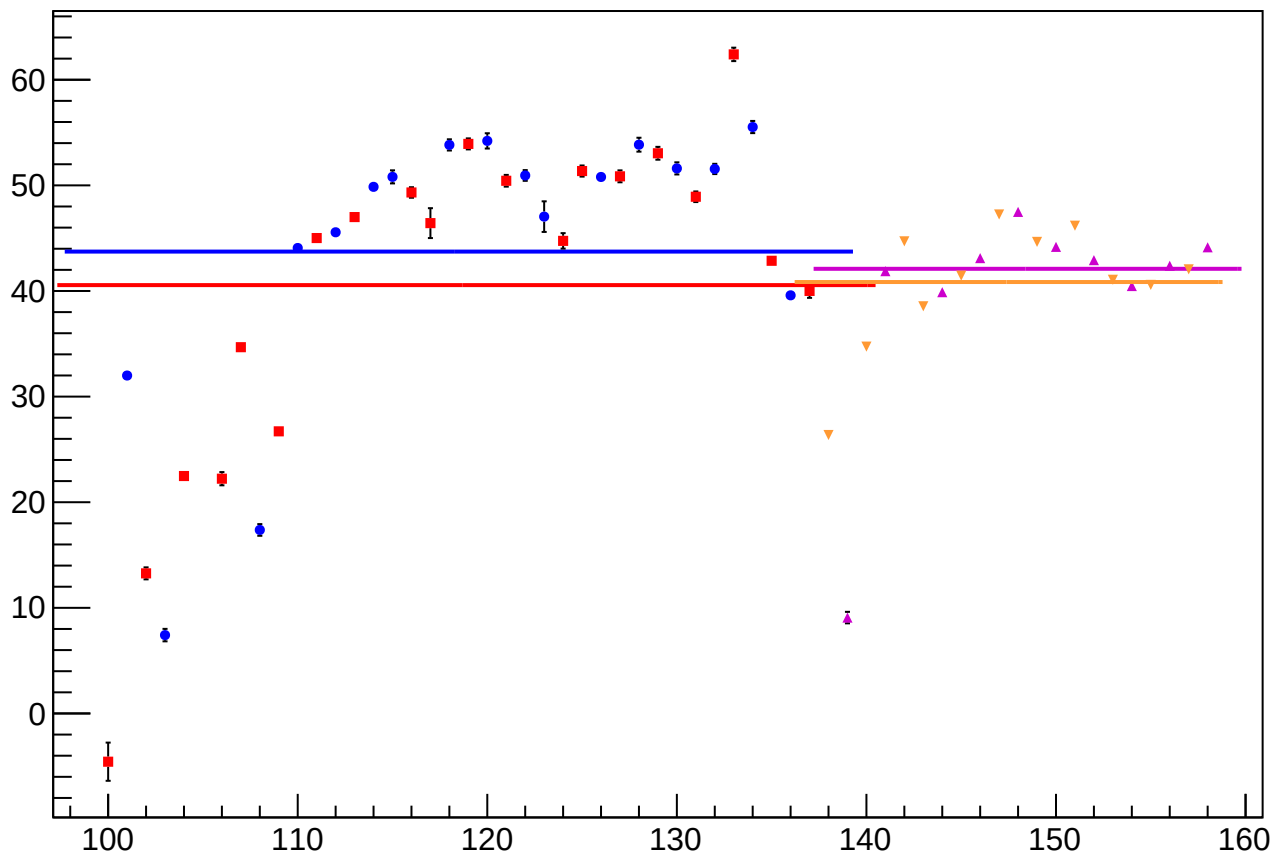
Right Out: -48.127 $\pm$ 0.107 χ^2/NDF : 11769.6/19

Left In: -38.323 $\pm$ 0.097 χ^2/NDF : 1293.7/9

-40.356 $\pm$ 0.075 χ^2/NDF : 26184.2/27

-42.741 $\pm$ 0.072 χ^2/NDF : 17669.3/29

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 43.731 ± 0.087 χ^2/NDF : 10567.7/16

Left Out: 40.849 ± 0.079 χ^2/NDF : 4663.7/10

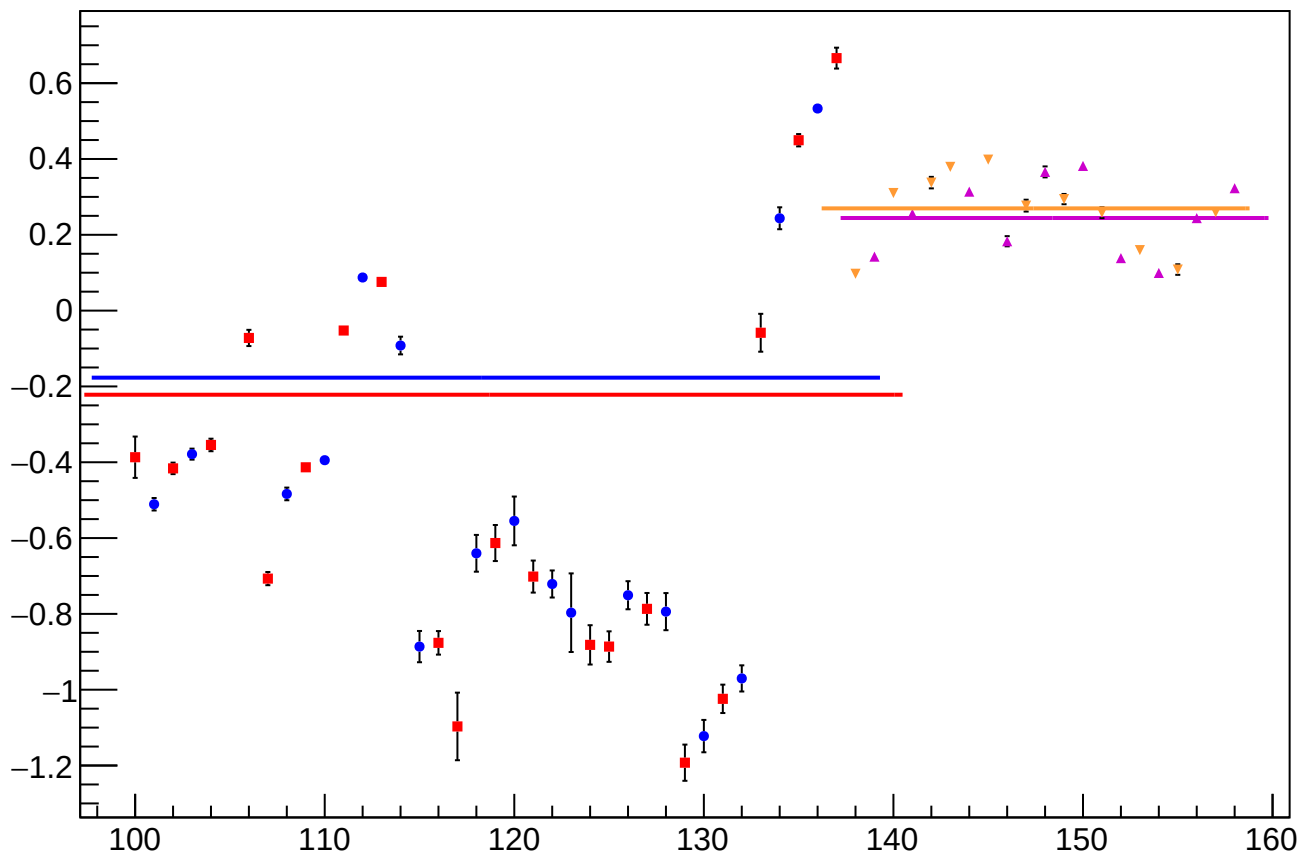
Right Out: 40.556 ± 0.080 χ^2/NDF : 17618.6/19

Left In: 42.100 ± 0.081 χ^2/NDF : 4465.9/9

42.145 ± 0.058 χ^2/NDF : 15837.4/27

41.316 ± 0.057 χ^2/NDF : 22267.5/29

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.177 ± 0.005 χ^2/NDF : 7364.7/16

Left Out: 0.270 ± 0.004 χ^2/NDF : 704.1/10

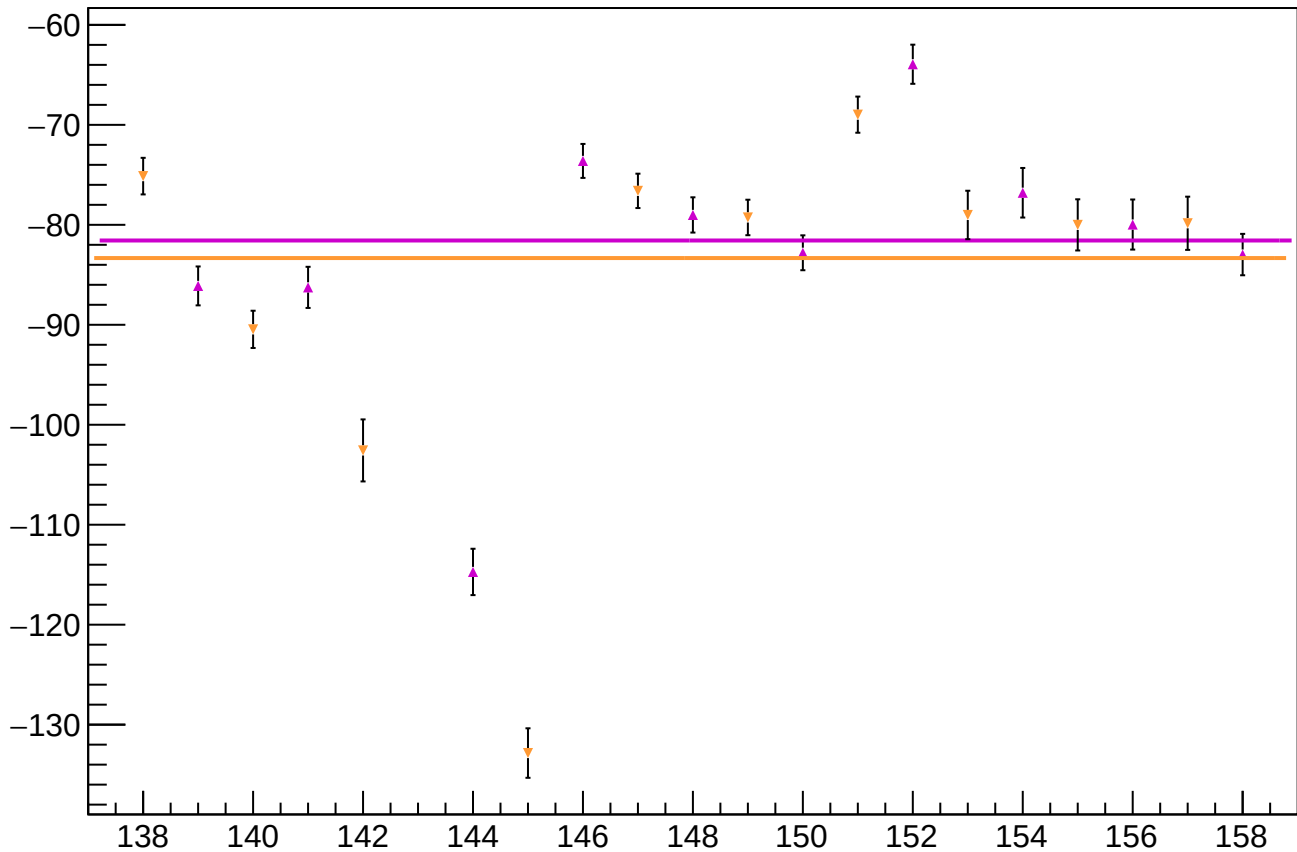
Right Out: -0.222 ± 0.004 χ^2/NDF : 7527.0/19

Left In: 0.244 ± 0.004 χ^2/NDF : 583.5/9

0.102 ± 0.003 χ^2/NDF : 13387.5/27

0.038 ± 0.003 χ^2/NDF : 14658.4/29

reg_asym_usl_diff_bpm1X_slope vs Slug



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

Left Out: -83.325+/-0.662 χ^2/NDF : 563.2/9

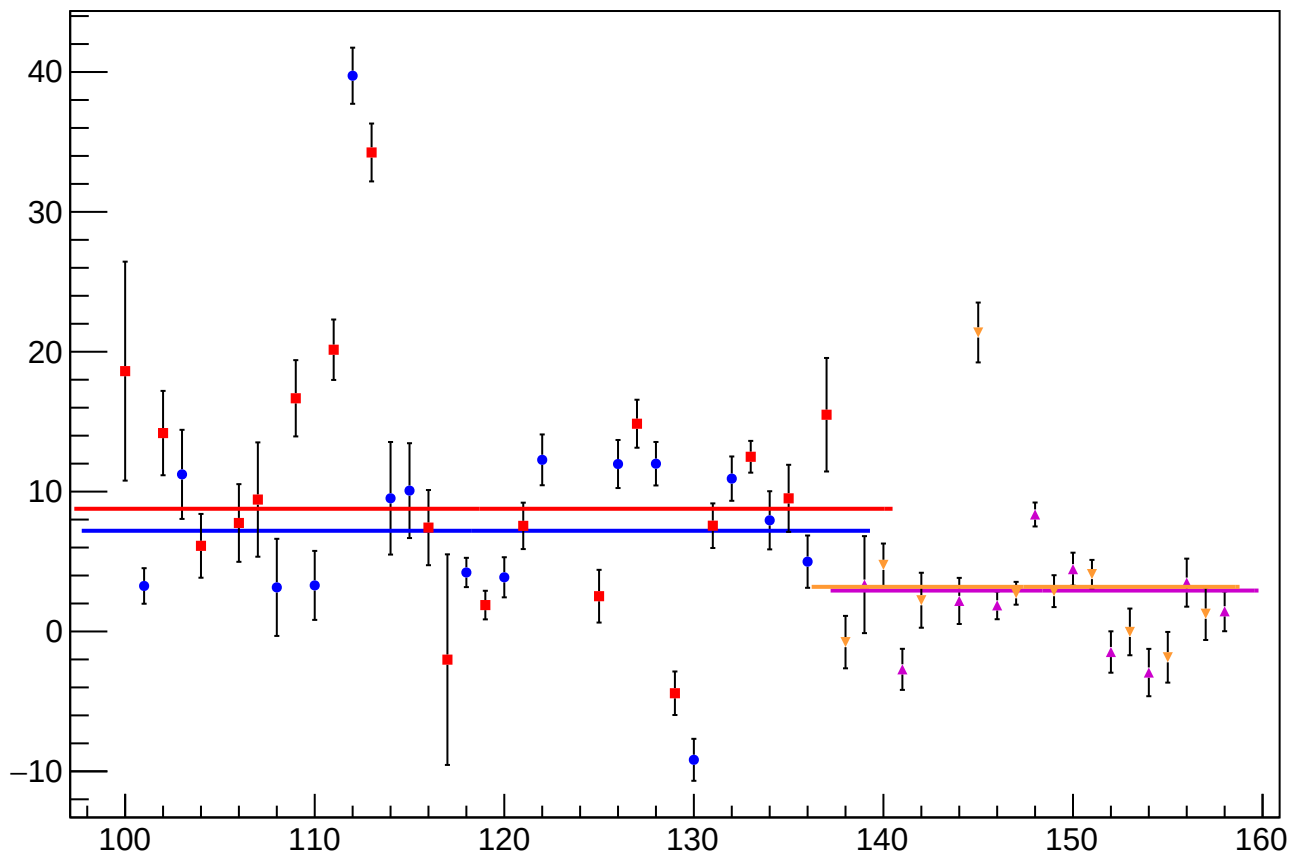
-83.325+/-0.662 χ^2/NDF : 563.2/9

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

Left In: -81.568+/-0.633 χ^2/NDF : 325.5/9

-81.568+/-0.633 χ^2/NDF : 325.5/9

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.199 ± 0.440 χ^2/NDF : 443.8/15

Left Out: 3.191 ± 0.431 χ^2/NDF : 91.7/9

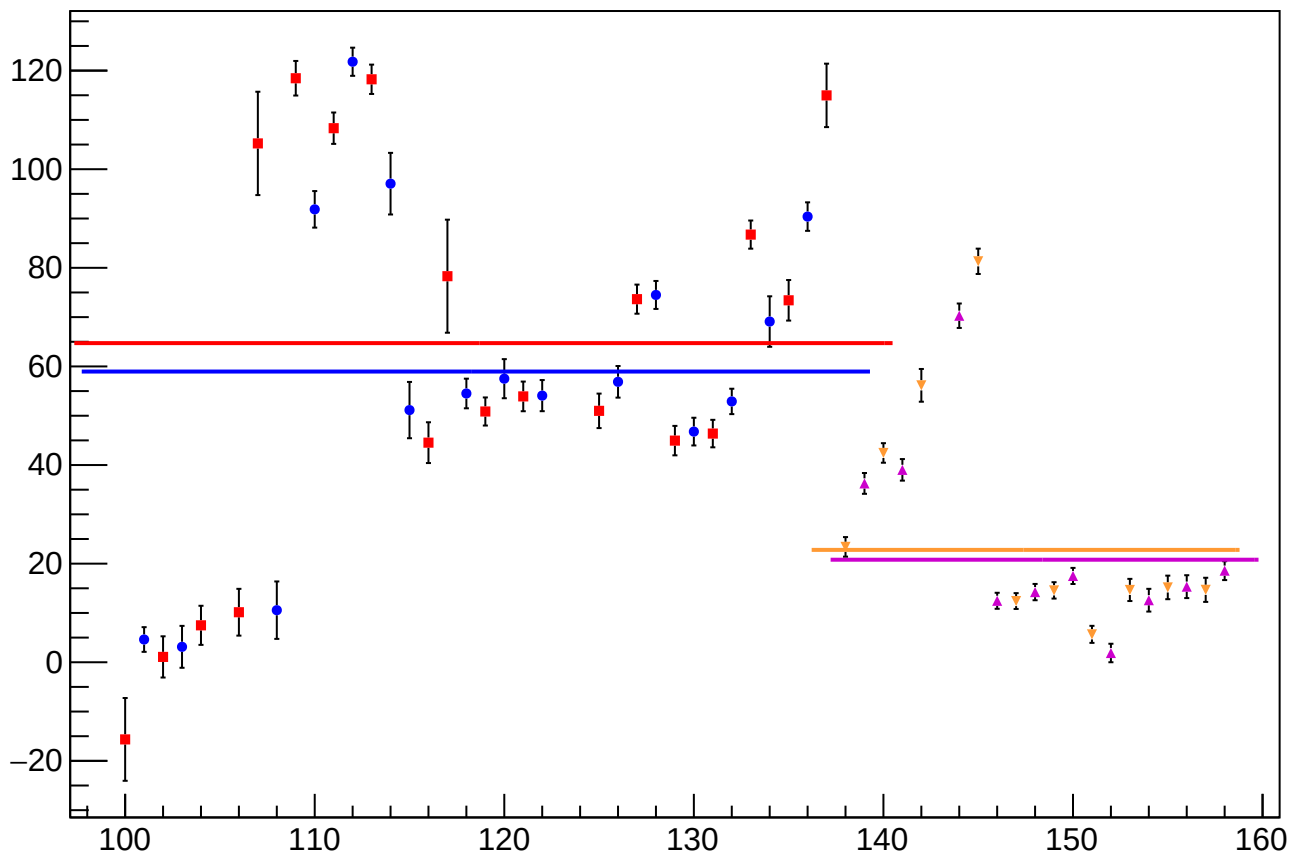
Right Out: 8.772 ± 0.447 χ^2/NDF : 351.7/18

Left In: 2.925 ± 0.421 χ^2/NDF : 80.1/9

5.155 ± 0.308 χ^2/NDF : 577.9/25

5.670 ± 0.306 χ^2/NDF : 522.6/28

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 58.962 $\pm$ 0.837 χ^2 /NDF: 1496.5/15

Left Out: 22.792 $\pm$ 0.649 χ^2 /NDF: 917.2/9

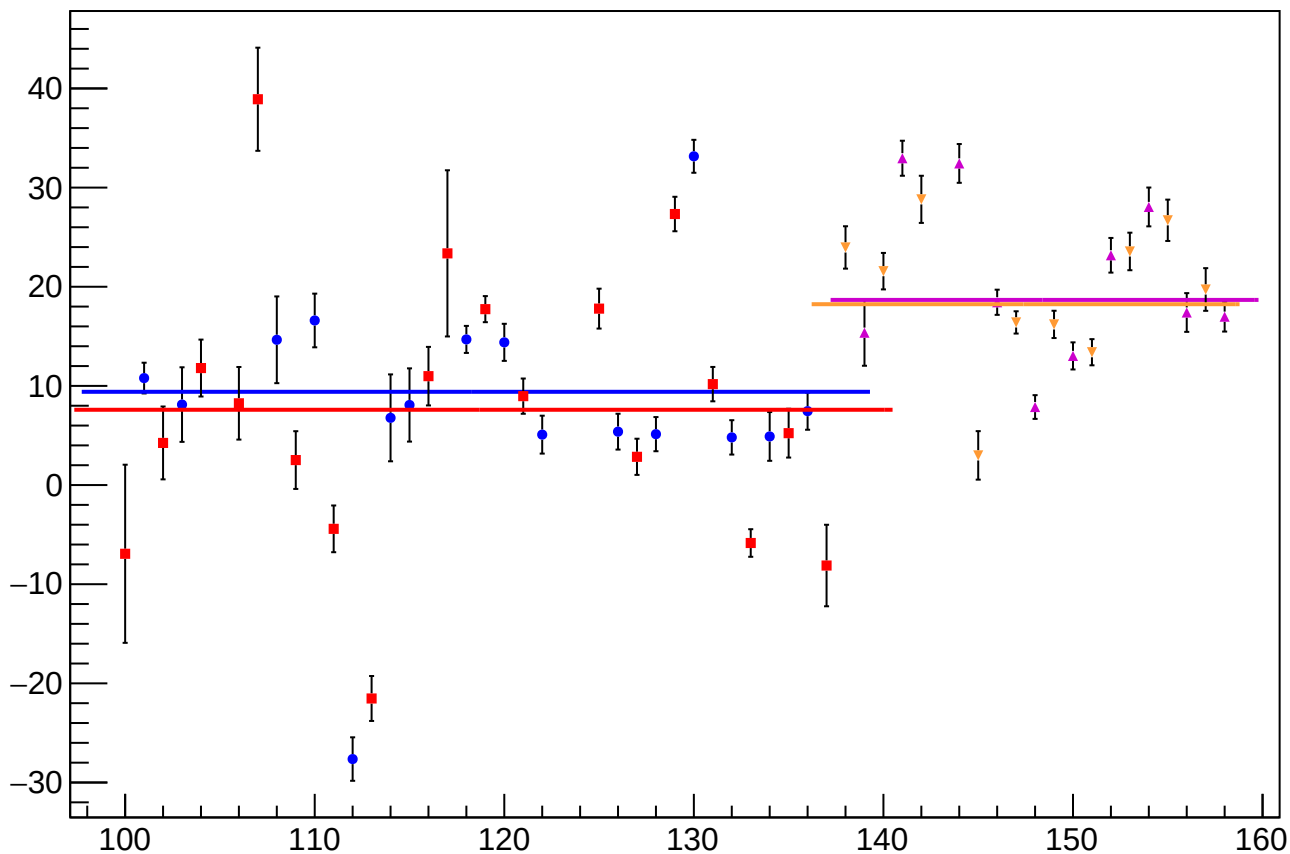
Right Out: 64.728 $\pm$ 0.838 χ^2 /NDF: 1723.2/18

Left In: 20.797 $\pm$ 0.614 χ^2 /NDF: 689.5/9

36.366 $\pm$ 0.513 χ^2 /NDF: 3580.4/25

36.162 $\pm$ 0.495 χ^2 /NDF: 4200.6/28

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.405 ± 0.507 χ^2/NDF : 549.5/15

Left Out: 18.239 ± 0.536 χ^2/NDF : 112.3/9

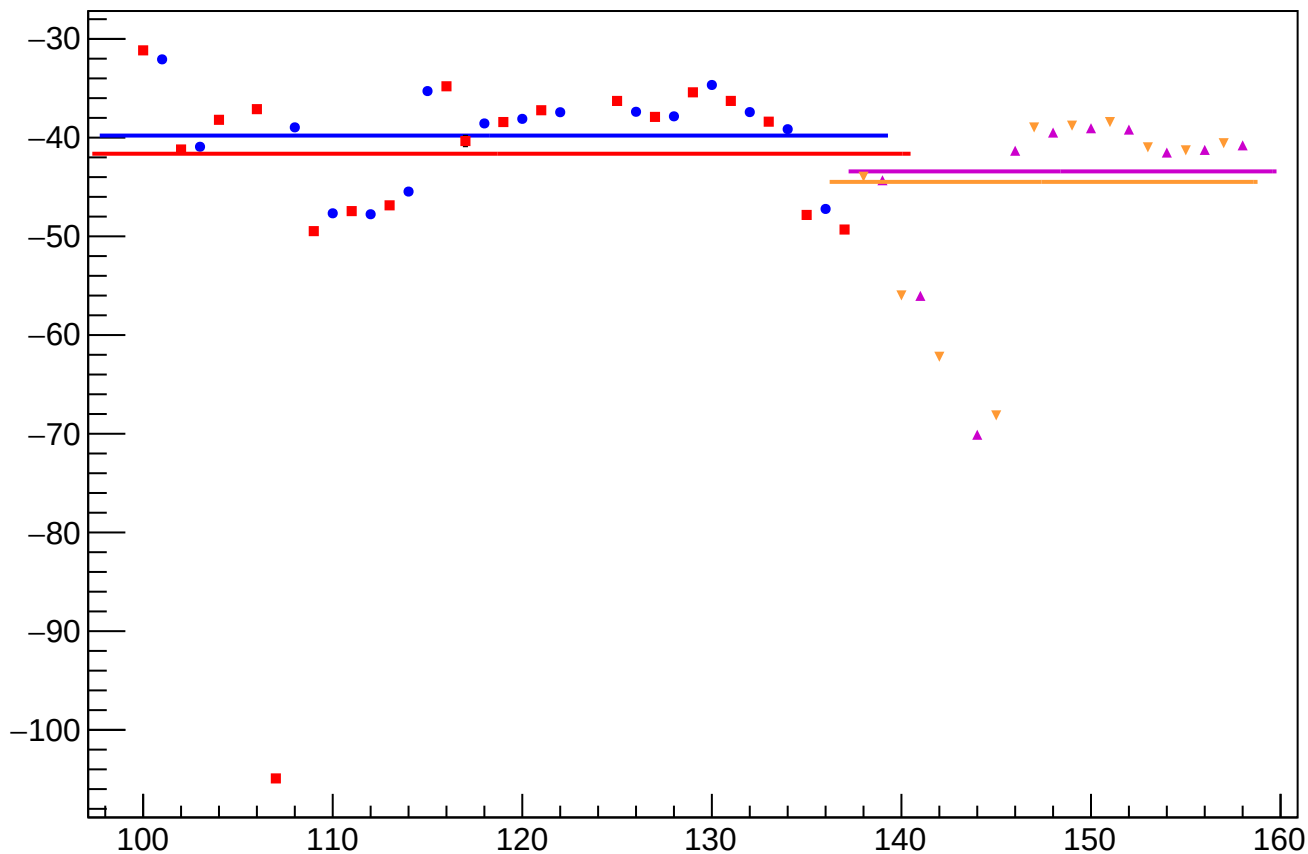
Right Out: 7.593 ± 0.514 χ^2/NDF : 573.4/18

Left In: 18.673 ± 0.512 χ^2/NDF : 245.9/9

13.573 ± 0.368 χ^2/NDF : 805.2/25

13.157 ± 0.363 χ^2/NDF : 1052.7/28

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.791 +/- 0.031 χ^2/NDF : 26138.6/15

Left Out: -44.483 +/- 0.026 χ^2/NDF : 113189.8/9

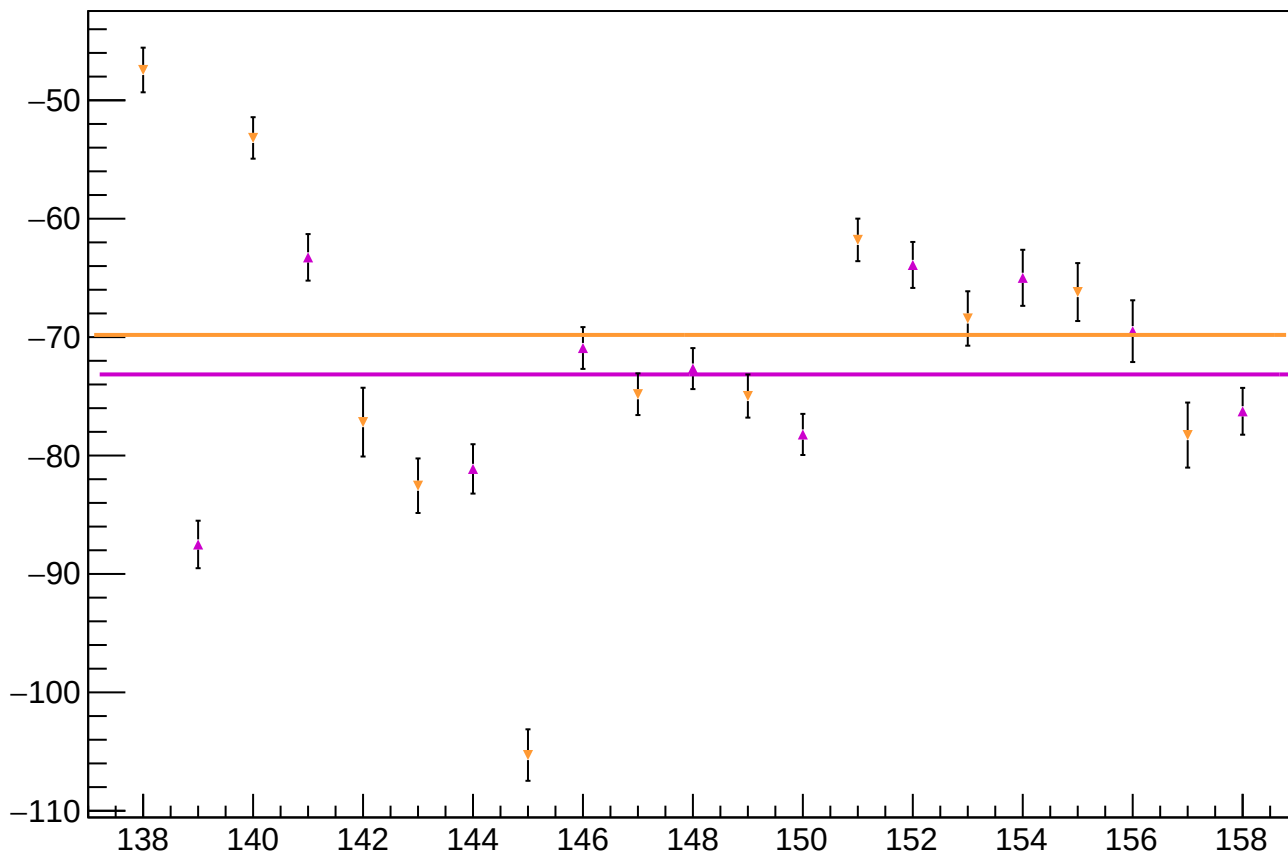
Right Out: -41.631 +/- 0.031 χ^2/NDF : 94399.1/18

Left In: -43.421 +/- 0.024 χ^2/NDF : 94490.1/9

-42.534 +/- 0.020 χ^2/NDF : 152528.9/25

-42.744 +/- 0.019 χ^2/NDF : 190942.2/28

reg_asym_usr_diff_bpm1X_slope vs Slug



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

Left Out: -69.815+/-0.626 χ^2/NDF : 582.5/10

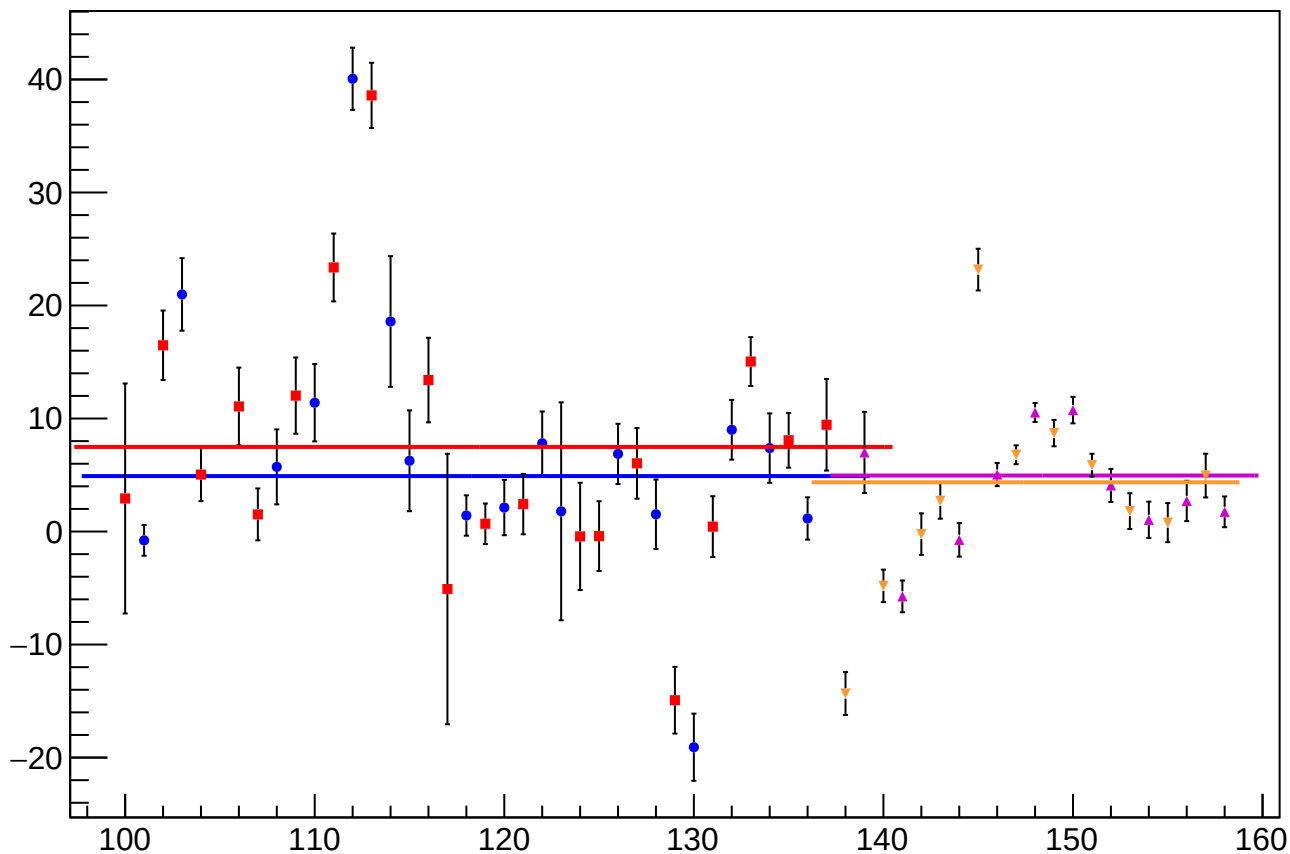
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -73.151+/-0.624 χ^2/NDF : 140.4/9

-69.815+/-0.626 χ^2/NDF : 582.5/10

-73.151+/-0.624 χ^2/NDF : 140.4/9

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 4.907 ± 0.628 $\chi^2/\text{NDF}: 295.4/16$

Left Out: 4.359 ± 0.412 $\chi^2/\text{NDF}: 280.8/10$

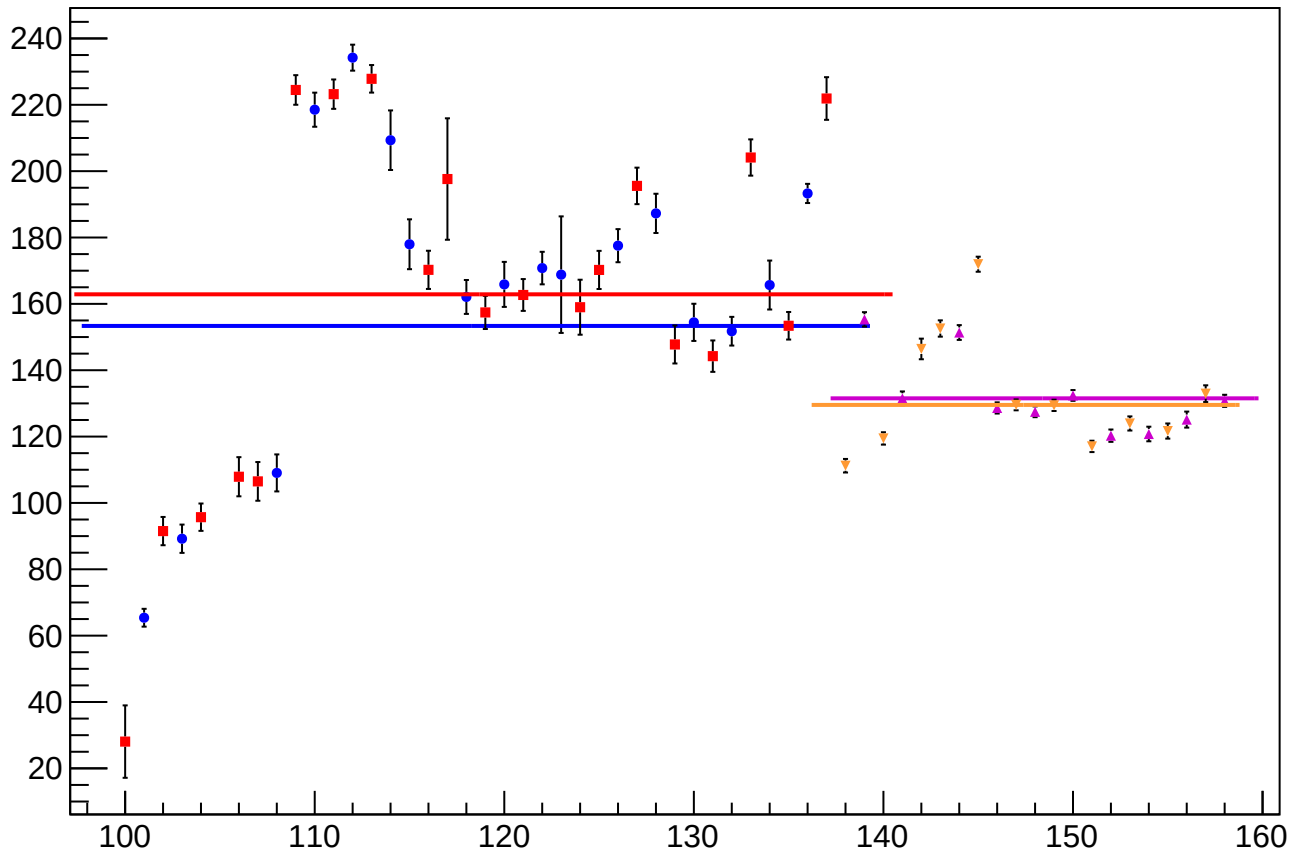
Right Out: 7.486 ± 0.650 $\chi^2/\text{NDF}: 271.7/19$

Left In: 4.956 ± 0.414 $\chi^2/\text{NDF}: 155.1/9$

4.524 ± 0.344 $\chi^2/\text{NDF}: 576.8/27$

5.686 ± 0.349 $\chi^2/\text{NDF}: 437.6/29$

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 153.350 ± 1.150 χ^2/NDF : 2268.3/16

Left Out: 129.542 ± 0.619 χ^2/NDF : 649.8/10

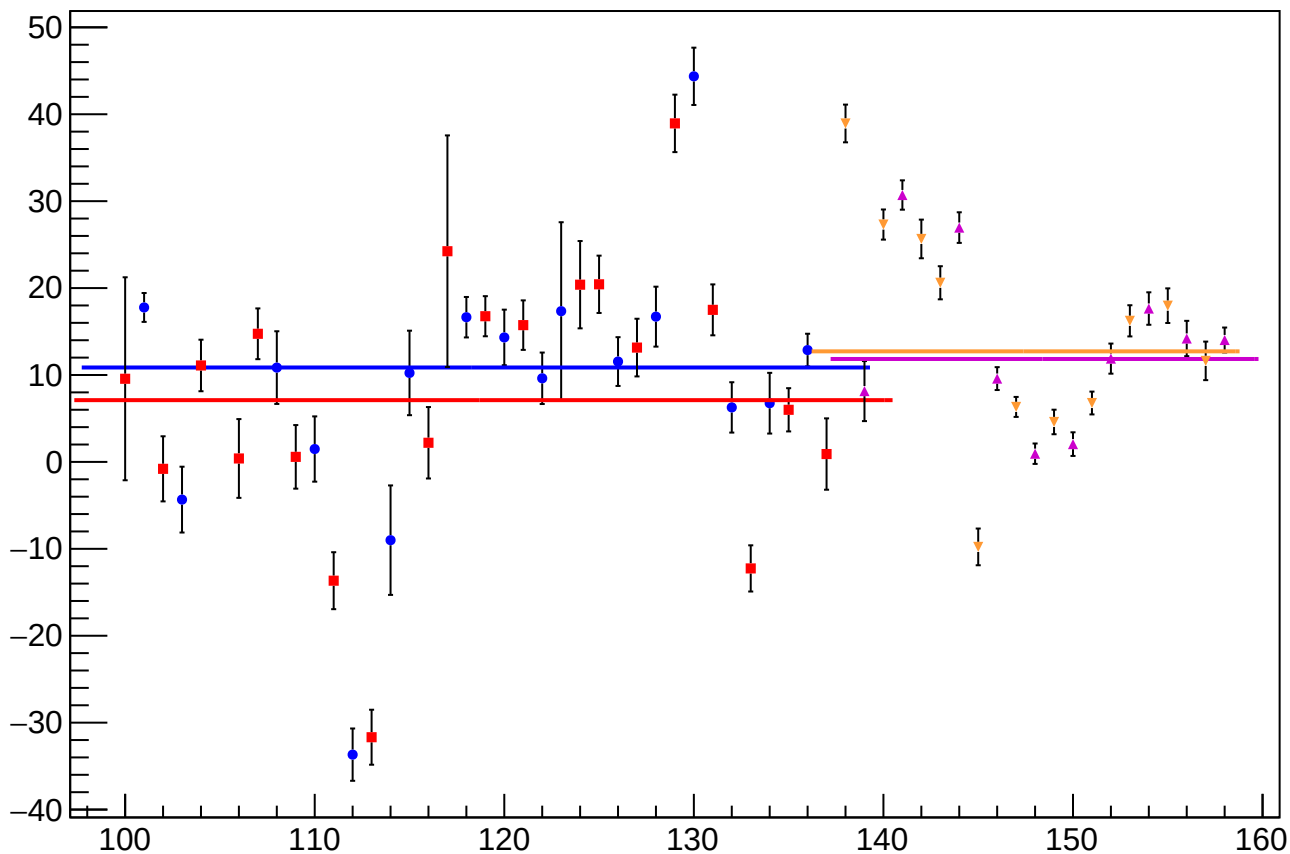
Right Out: 162.878 ± 1.174 χ^2/NDF : 1712.4/19

Left In: 131.526 ± 0.606 χ^2/NDF : 276.2/9

134.883 ± 0.545 χ^2/NDF : 3250.4/27

138.124 ± 0.539 χ^2/NDF : 2551.3/29

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 10.864 $\pm$ 0.719 χ^2 /NDF: 387.9/16

Left Out: 12.720 $\pm$ 0.510 χ^2 /NDF: 476.7/10

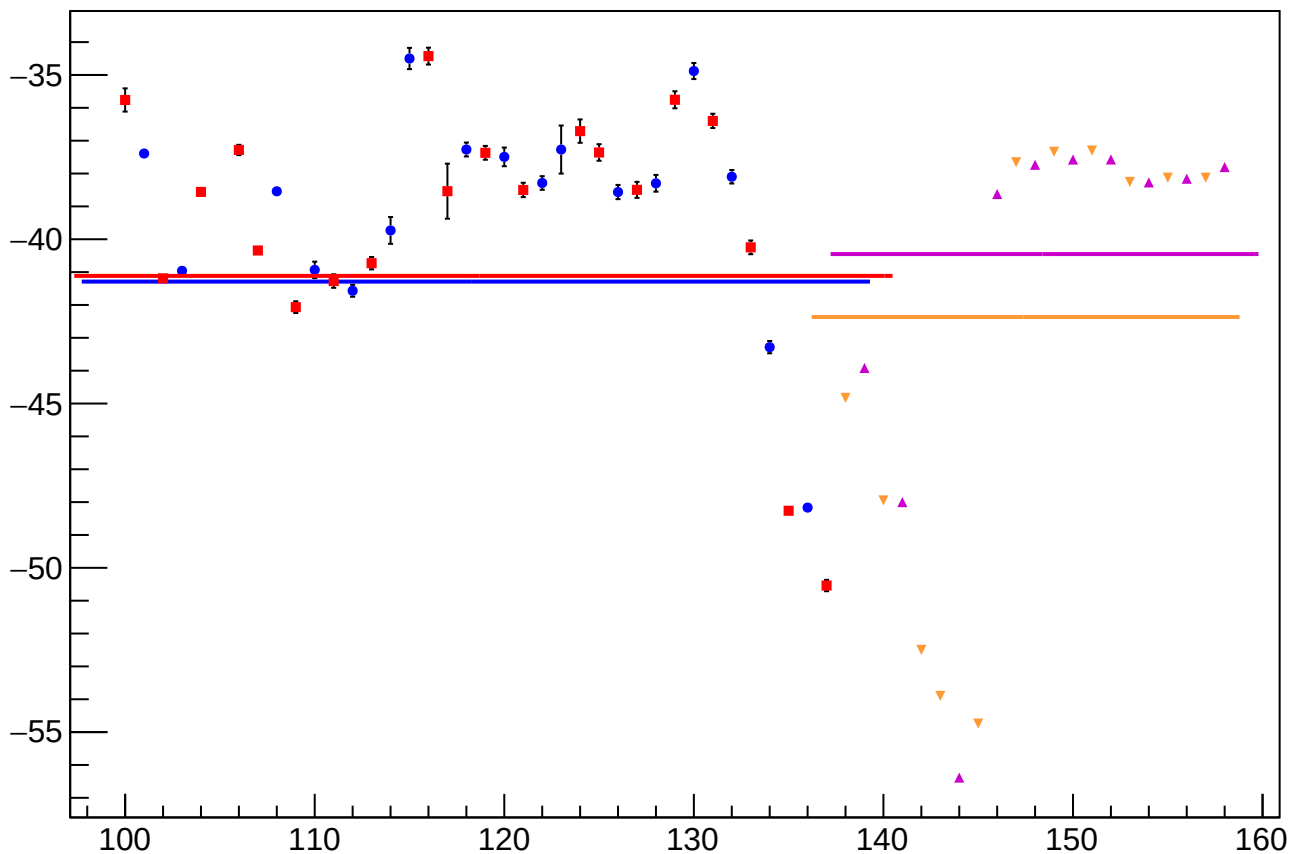
Right Out: 7.106 $\pm$ 0.746 χ^2 /NDF: 426.4/19

Left In: 11.842 $\pm$ 0.503 χ^2 /NDF: 354.0/9

12.100 $\pm$ 0.416 χ^2 /NDF: 869.0/27

10.362 $\pm$ 0.417 χ^2 /NDF: 808.1/29

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.289 ± 0.039 $\chi^2/\text{NDF}: 12509.1/16$

Left Out: -42.366 ± 0.025 $\chi^2/\text{NDF}: 66123.9/10$

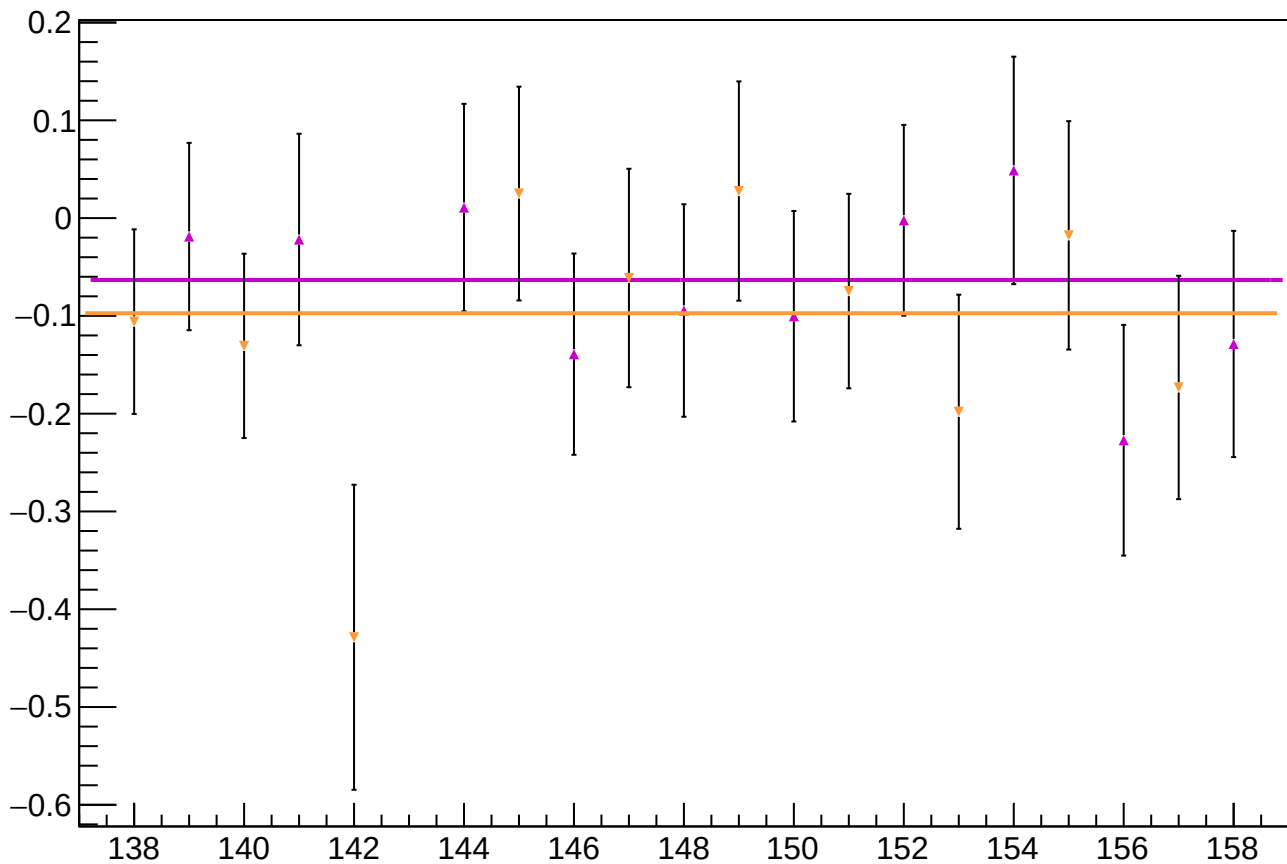
Right Out: -41.115 ± 0.039 $\chi^2/\text{NDF}: 12120.1/19$

Left In: -40.451 ± 0.024 $\chi^2/\text{NDF}: 45271.0/9$

-42.047 ± 0.021 $\chi^2/\text{NDF}: 79181.4/27$

-40.636 ± 0.020 $\chi^2/\text{NDF}: 57604.4/29$

reg_asym_dsl_diff_bpm1X_slope vs Slug



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

Left Out: -0.097+/-0.035 χ^2/NDF : 8.9/9

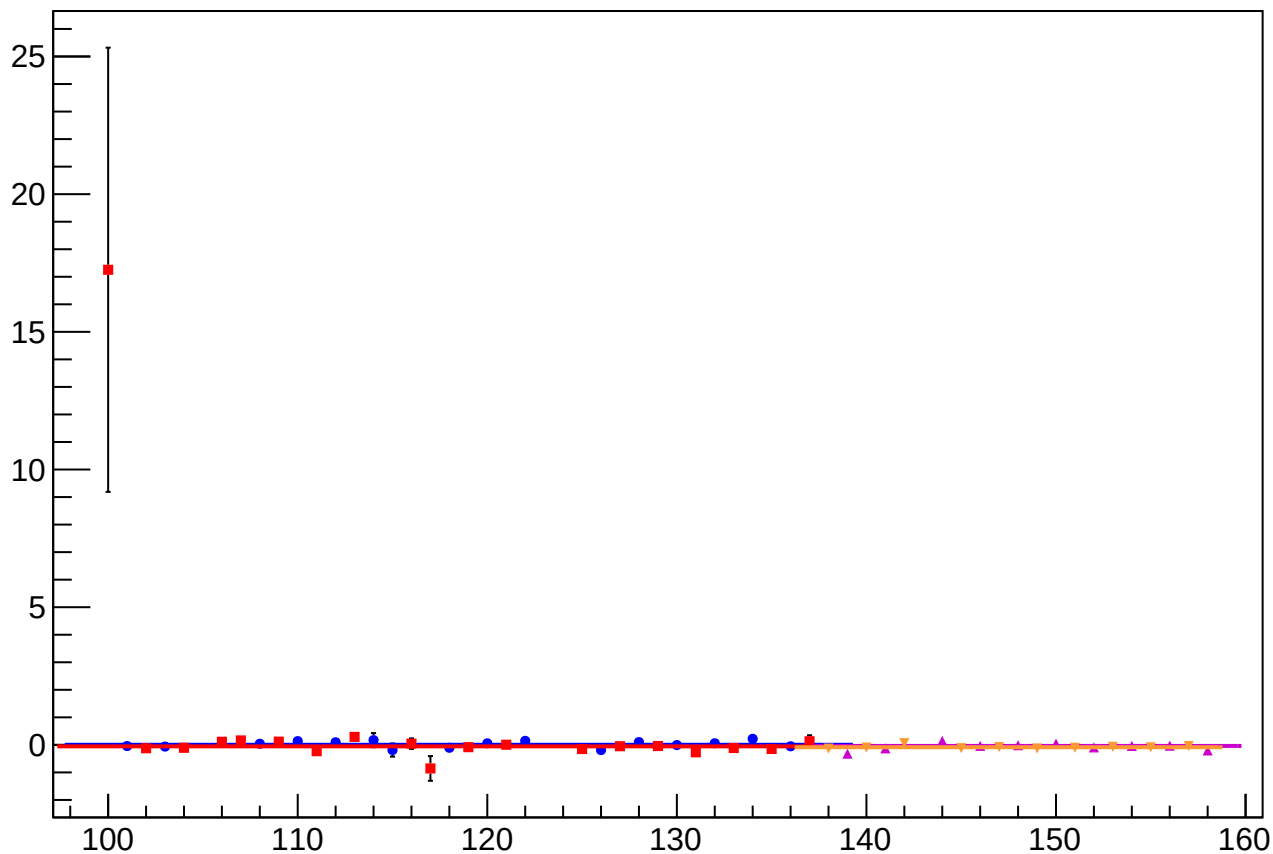
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -0.063+/-0.034 χ^2/NDF : 5.2/9

-0.097+/-0.035 χ^2/NDF : 8.9/9

-0.063+/-0.034 χ^2/NDF : 5.2/9

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: 0.003 ± 0.029 χ^2/NDF : 12.4/15

Left Out: -0.086 ± 0.024 χ^2/NDF : 3.5/9

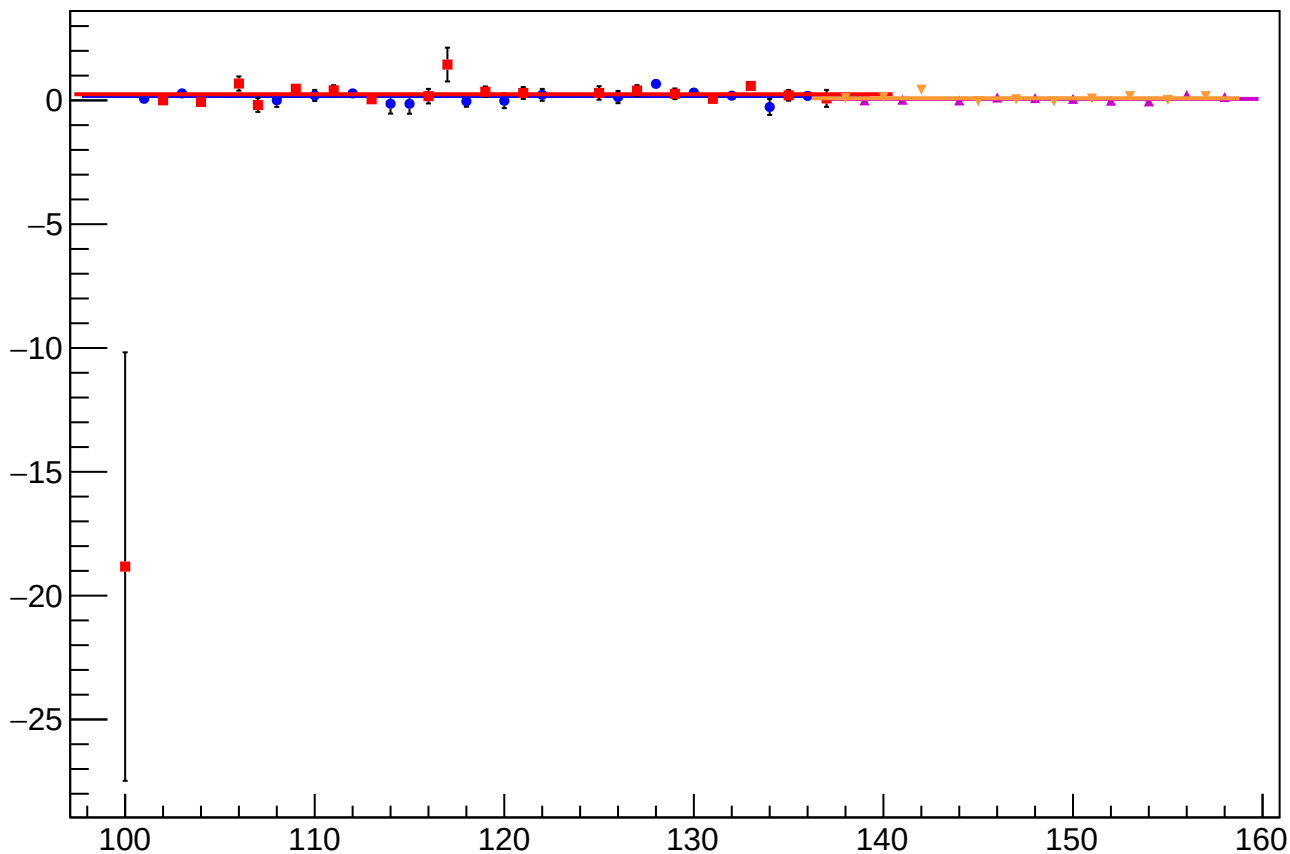
Right Out: -0.053 ± 0.029 χ^2/NDF : 28.8/18

Left In: -0.038 ± 0.023 χ^2/NDF : 16.0/9

-0.049 ± 0.018 χ^2/NDF : 21.7/25

-0.044 ± 0.018 χ^2/NDF : 45.0/28

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.176 ± 0.053 χ^2/NDF : 13.0/15

Left Out: 0.085 ± 0.034 χ^2/NDF : 8.7/9

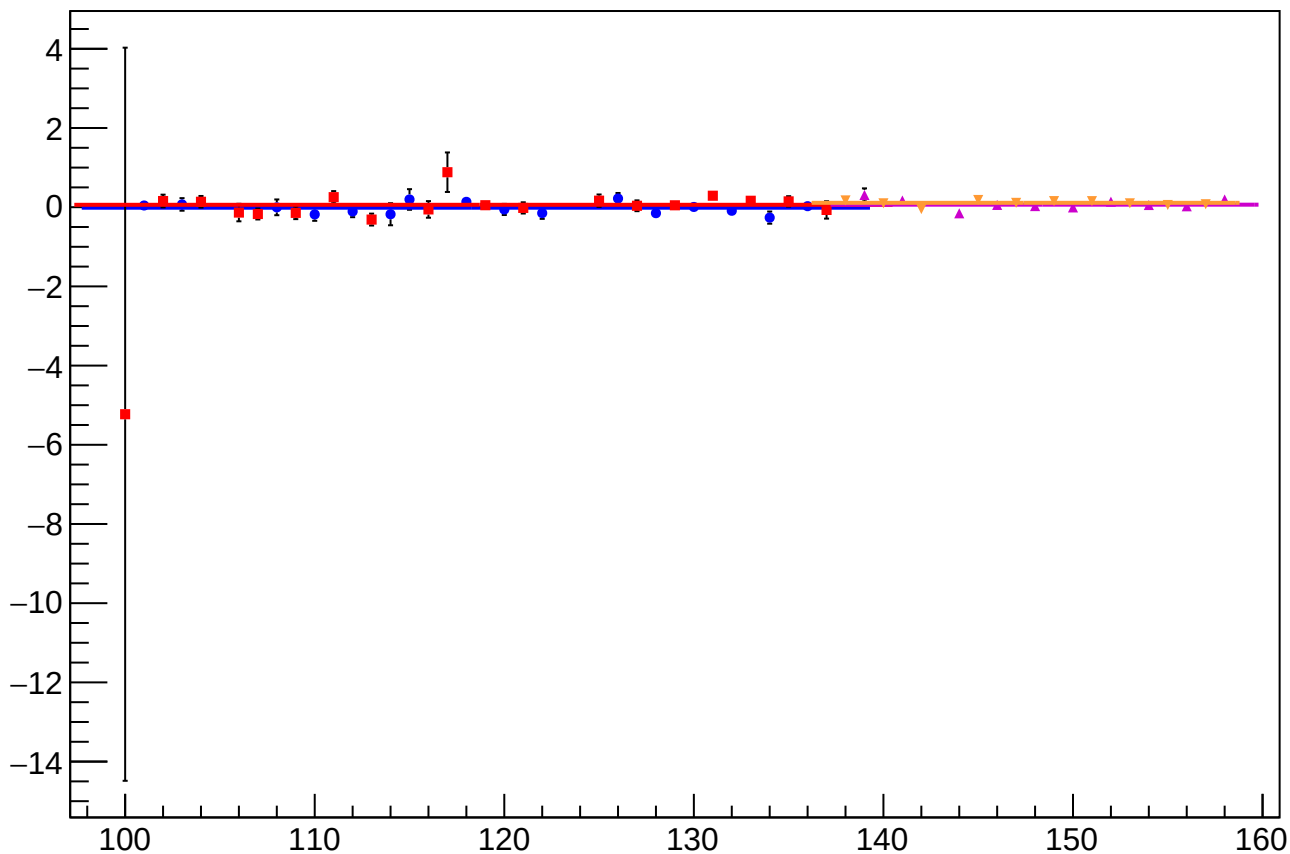
Right Out: 0.247 ± 0.054 χ^2/NDF : 24.7/18

Left In: 0.059 ± 0.033 χ^2/NDF : 5.2/9

0.112 ± 0.029 χ^2/NDF : 23.8/25

0.111 ± 0.028 χ^2/NDF : 38.7/28

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.110 ± 0.029 χ^2/NDF : 3.6/9

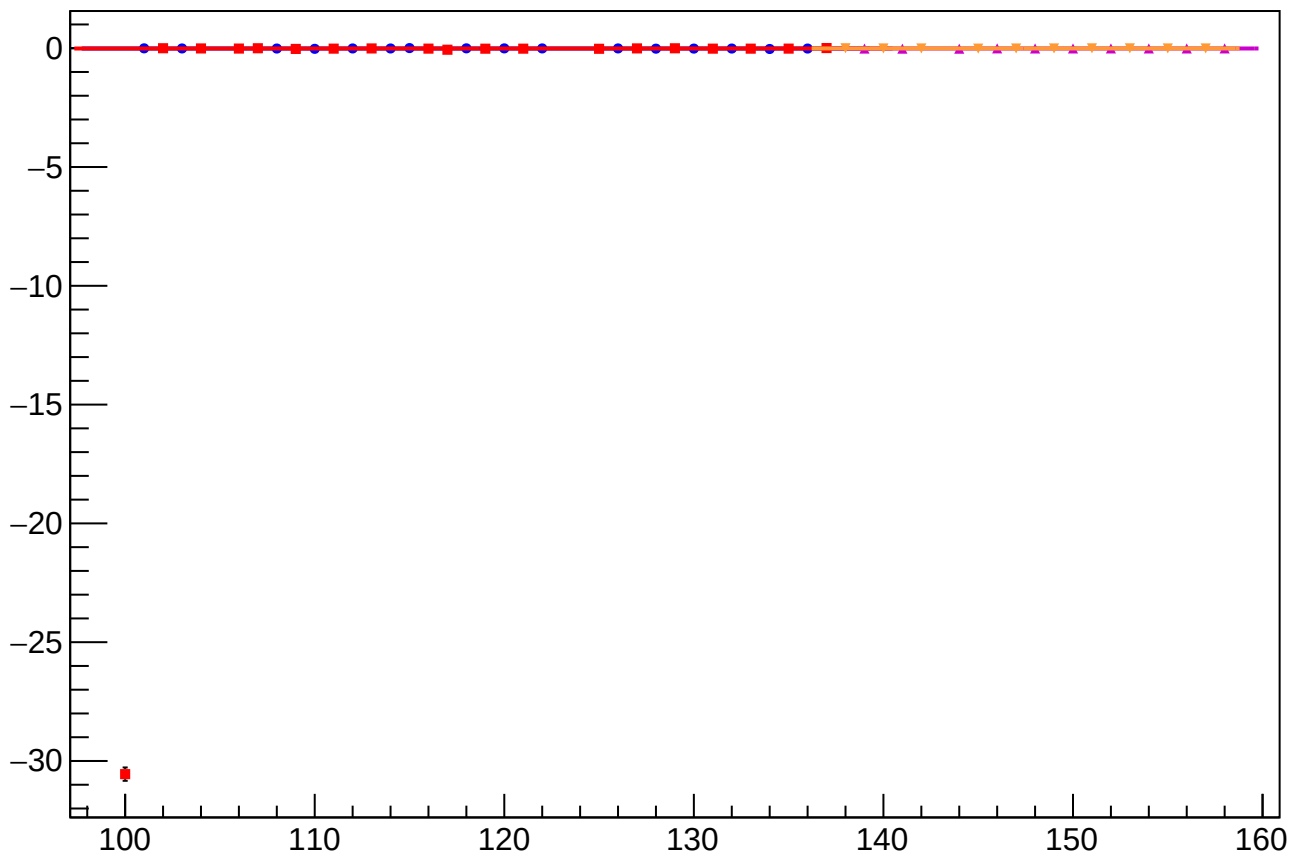
Right Out: 0.061 ± 0.034 χ^2/NDF : 23.1/18

Left In: 0.063 ± 0.028 χ^2/NDF : 13.7/9

0.056 ± 0.022 χ^2/NDF : 25.2/25

0.062 ± 0.022 χ^2/NDF : 36.8/28

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 $\pm$ 0.002 χ^2 /NDF: 12.8/15

-0.010 $\pm$ 0.001 χ^2 /NDF: 22.9/25

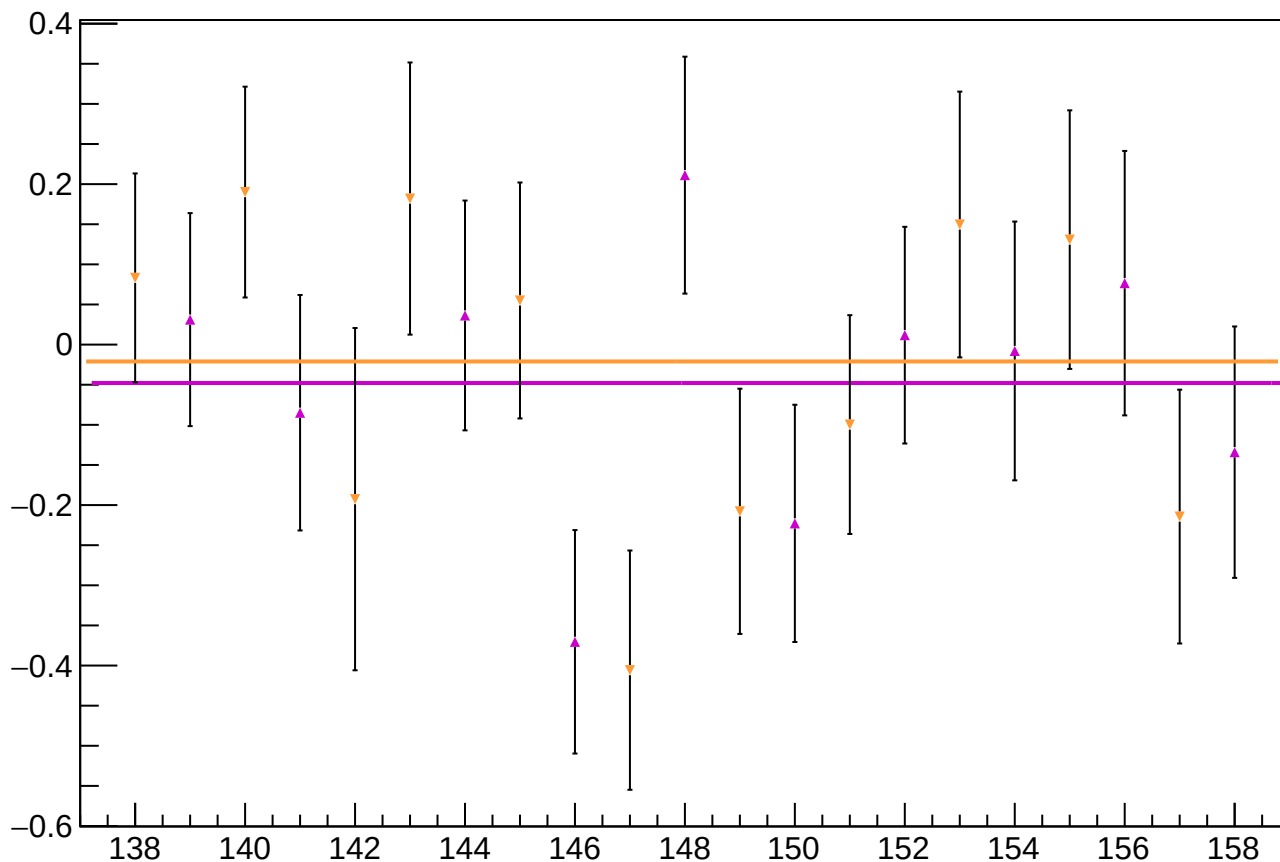
Left Out: -0.009 $\pm$ 0.001 χ^2 /NDF: 8.2/9

Right Out: -0.012 $\pm$ 0.002 χ^2 /NDF: 11894.0/18

-0.011 $\pm$ 0.001 χ^2 /NDF: 11903.3/28

Left In: -0.011 $\pm$ 0.001 χ^2 /NDF: 8.9/9

reg_asym_dsr_diff_bpm1X_slope vs Slug



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

Left Out: -0.021+/-0.046 χ^2/NDF : 17.5/10

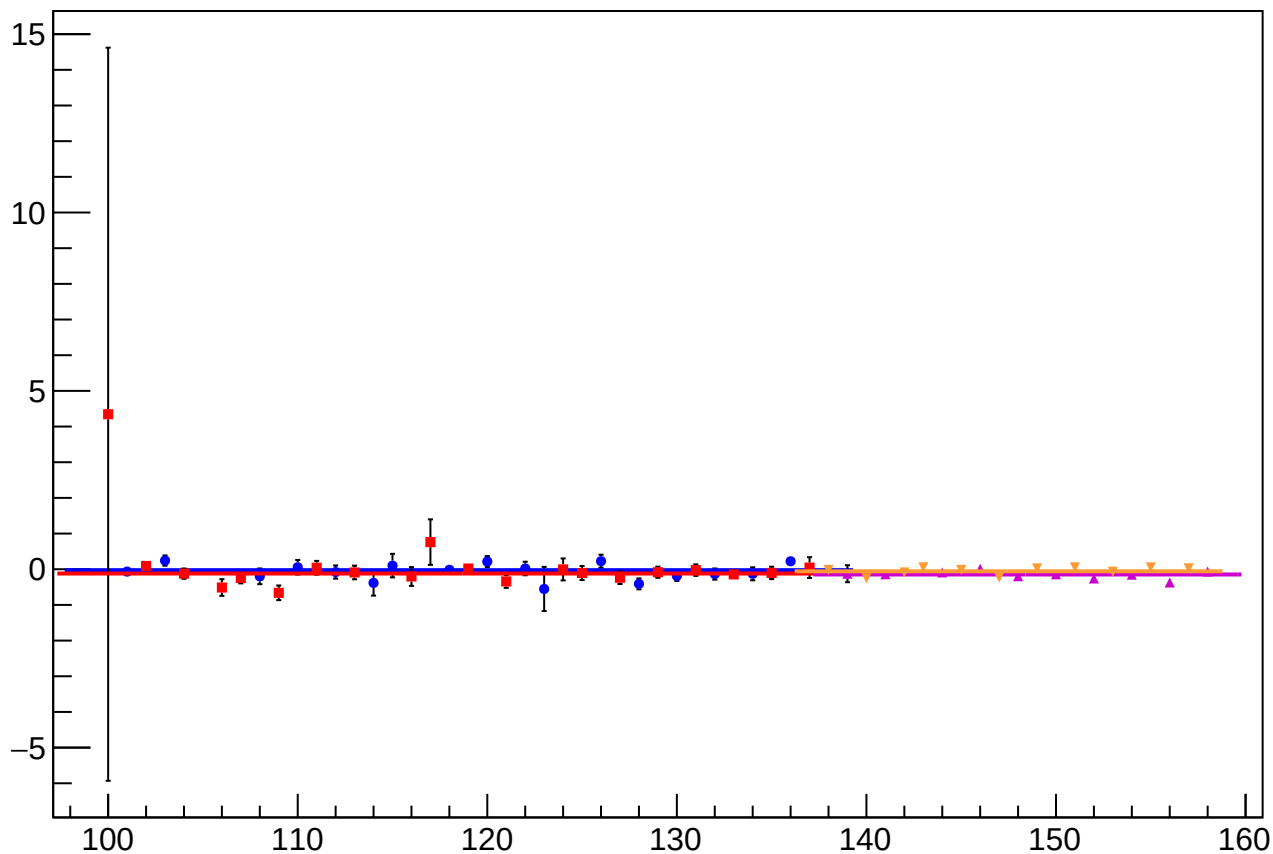
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -0.048+/-0.046 χ^2/NDF : 11.7/9

-0.021+/-0.046 χ^2/NDF : 17.5/10

-0.048+/-0.046 χ^2/NDF : 11.7/9

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.026 ± 0.037 χ^2/NDF : 22.7/16

Left Out: -0.058 ± 0.031 χ^2/NDF : 14.7/10

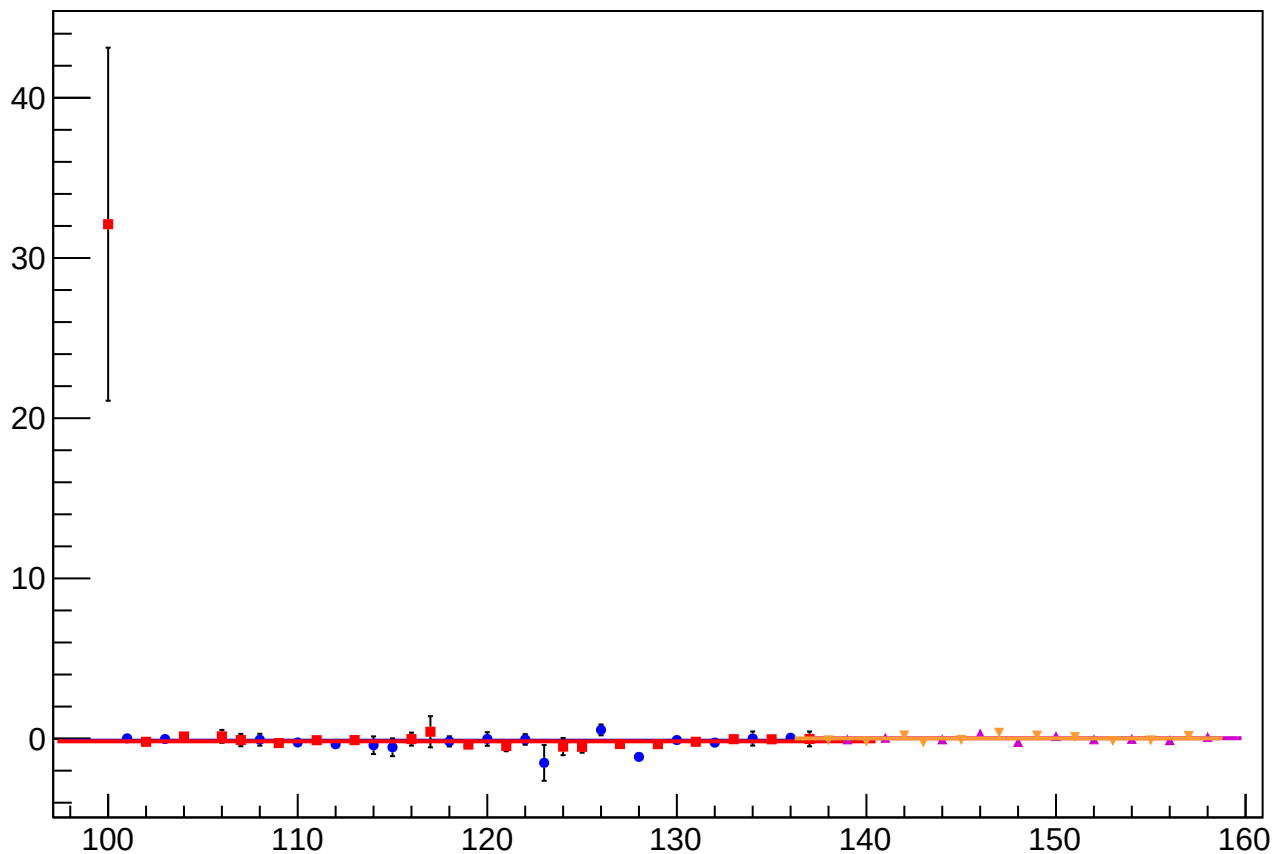
Right Out: -0.120 ± 0.039 χ^2/NDF : 20.2/19

Left In: -0.147 ± 0.032 χ^2/NDF : 10.1/9

-0.045 ± 0.024 χ^2/NDF : 37.8/27

-0.136 ± 0.025 χ^2/NDF : 30.6/29

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.129 ± 0.067 χ^2/NDF : 23.1/16

Left Out: 0.013 ± 0.045 χ^2/NDF : 17.2/10

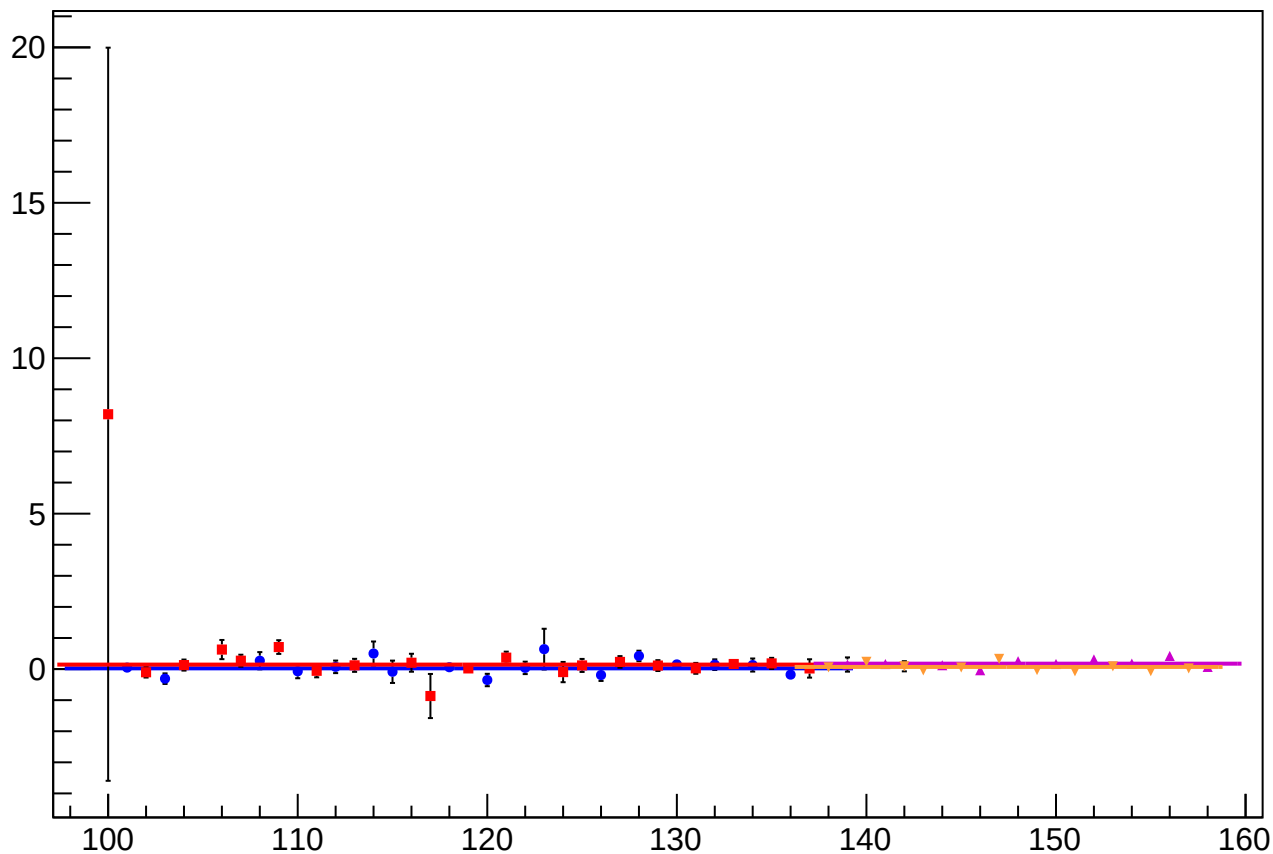
Right Out: -0.169 ± 0.071 χ^2/NDF : 15.3/19

Left In: 0.025 ± 0.045 χ^2/NDF : 10.5/9

-0.031 ± 0.038 χ^2/NDF : 43.4/27

-0.031 ± 0.038 χ^2/NDF : 31.1/29

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.023 ± 0.043 χ^2/NDF : 21.3/16

Left Out: 0.069 ± 0.038 χ^2/NDF : 13.3/10

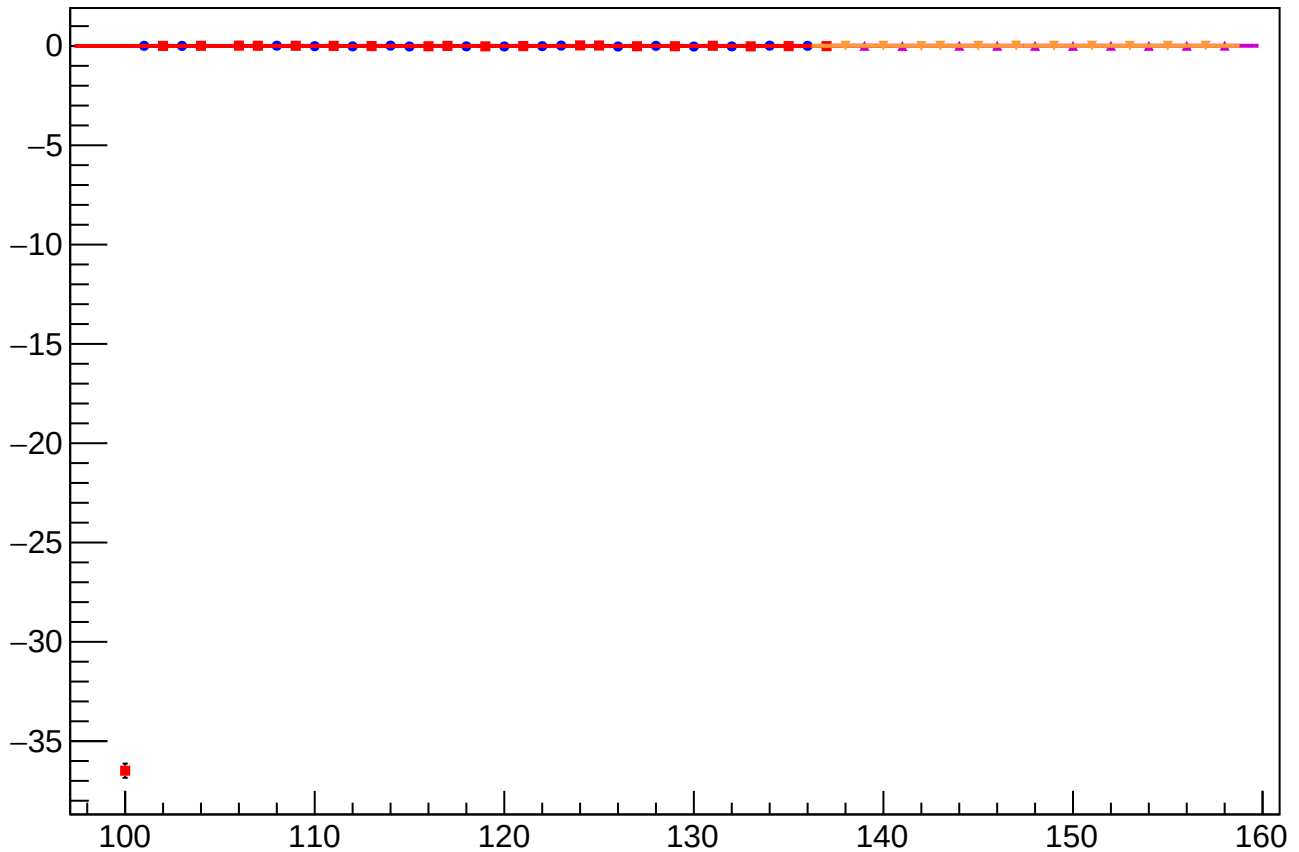
Right Out: 0.144 ± 0.045 χ^2/NDF : 18.6/19

Left In: 0.174 ± 0.038 χ^2/NDF : 10.7/9

0.049 ± 0.028 χ^2/NDF : 35.2/27

0.161 ± 0.029 χ^2/NDF : 29.6/29

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 30.6/16

Left Out: 0.011 $\pm$ 0.002 χ^2 /NDF: 5.4/10

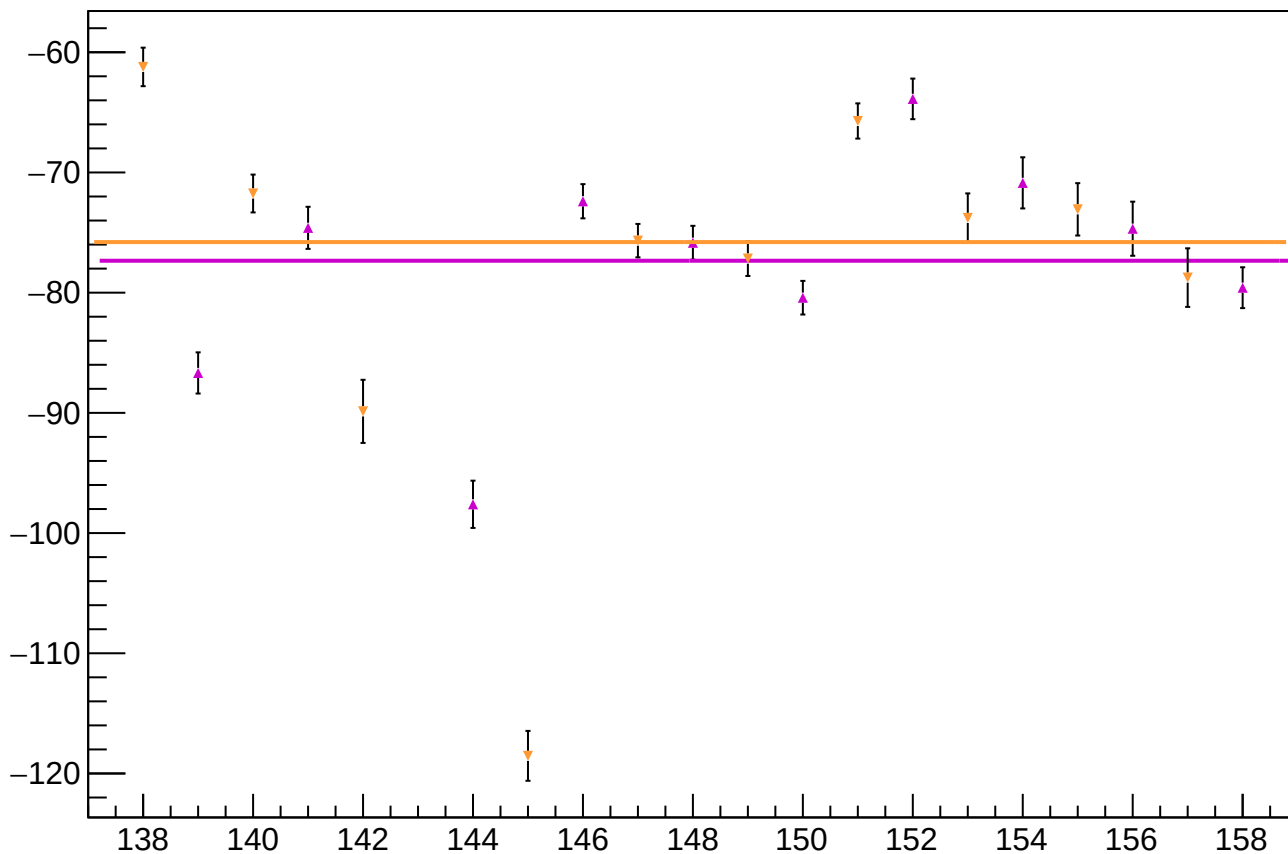
Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/19

Left In: 0.011 $\pm$ 0.002 χ^2 /NDF: 4.7/9

0.007 $\pm$ 0.001 χ^2 /NDF: 46.3/27

0.007 $\pm$ 0.001 χ^2 /NDF: 10466.2/29

reg_asym_us_avg_diff_bpm1X_slope vs Slug



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

Left Out: -75.792+/-0.555 χ^2/NDF : 594.3/9

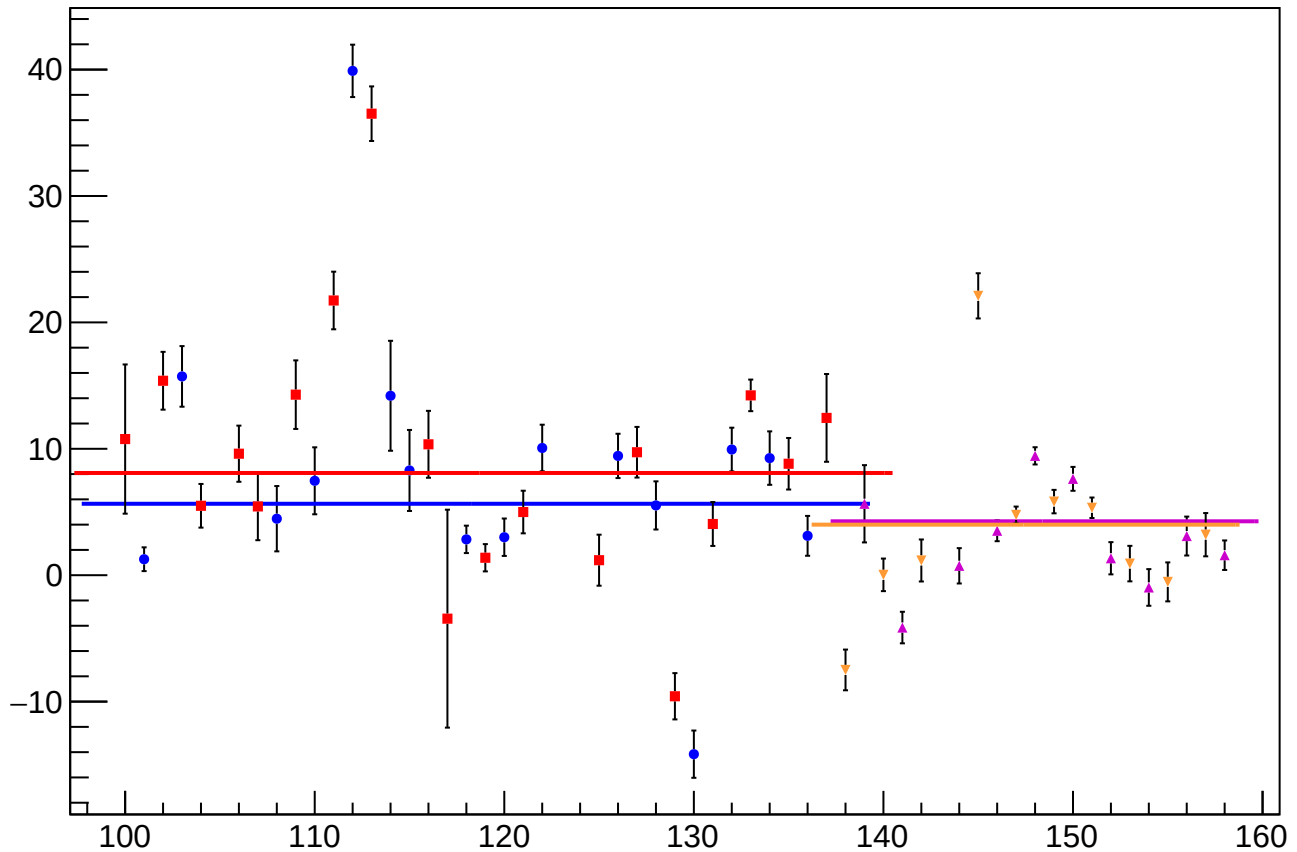
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -77.344+/-0.531 χ^2/NDF : 232.5/9

-75.792+/-0.555 χ^2/NDF : 594.3/9

-77.344+/-0.531 χ^2/NDF : 232.5/9

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 5.651 $\pm$ 0.429 χ^2 /NDF: 461.9/15

Left Out: 3.999 $\pm$ 0.355 χ^2 /NDF:187.4/9

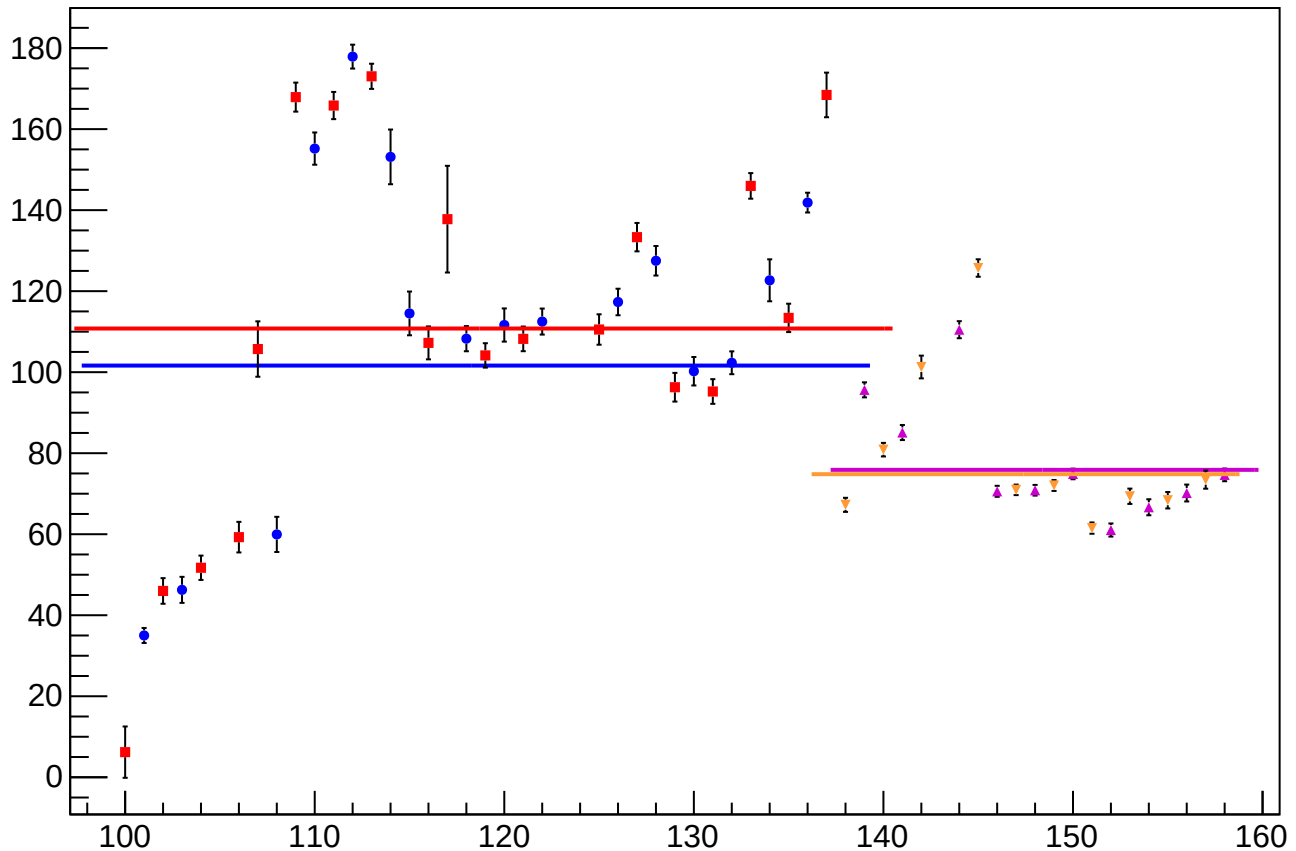
Right Out: 8.087 $\pm$ 0.452 χ^2 /NDF: 409.7/18

Left In: 4.264 $\pm$ 0.348 χ^2 /NDF:147.1/9

4.671 $\pm$ 0.274 χ^2 /NDF: 658.1/25

5.689 $\pm$ 0.276 χ^2 /NDF: 601.7/28

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 101.630 ± 0.812 χ^2/NDF : 2980.2/15

Left Out: 74.818 ± 0.542 χ^2/NDF : 801.2/9

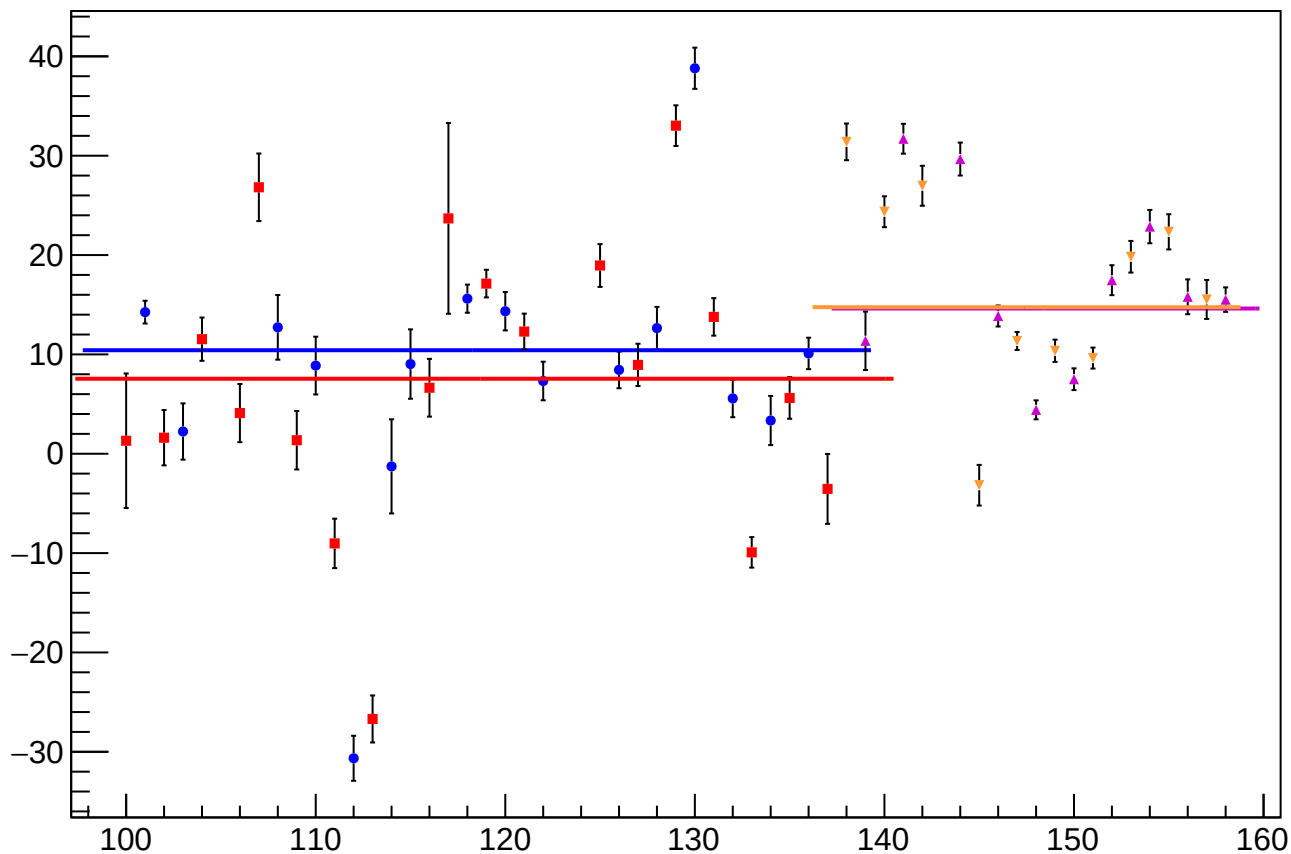
Right Out: 110.778 ± 0.834 χ^2/NDF : 2518.3/18

Left In: 75.888 ± 0.514 χ^2/NDF : 553.1/9

83.086 ± 0.451 χ^2/NDF : 4535.4/25

85.495 ± 0.438 χ^2/NDF : 4338.3/28

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 10.420 ± 0.497 χ^2/NDF : 579.7/15

Left Out: 14.753 ± 0.444 χ^2/NDF : 314.6/9

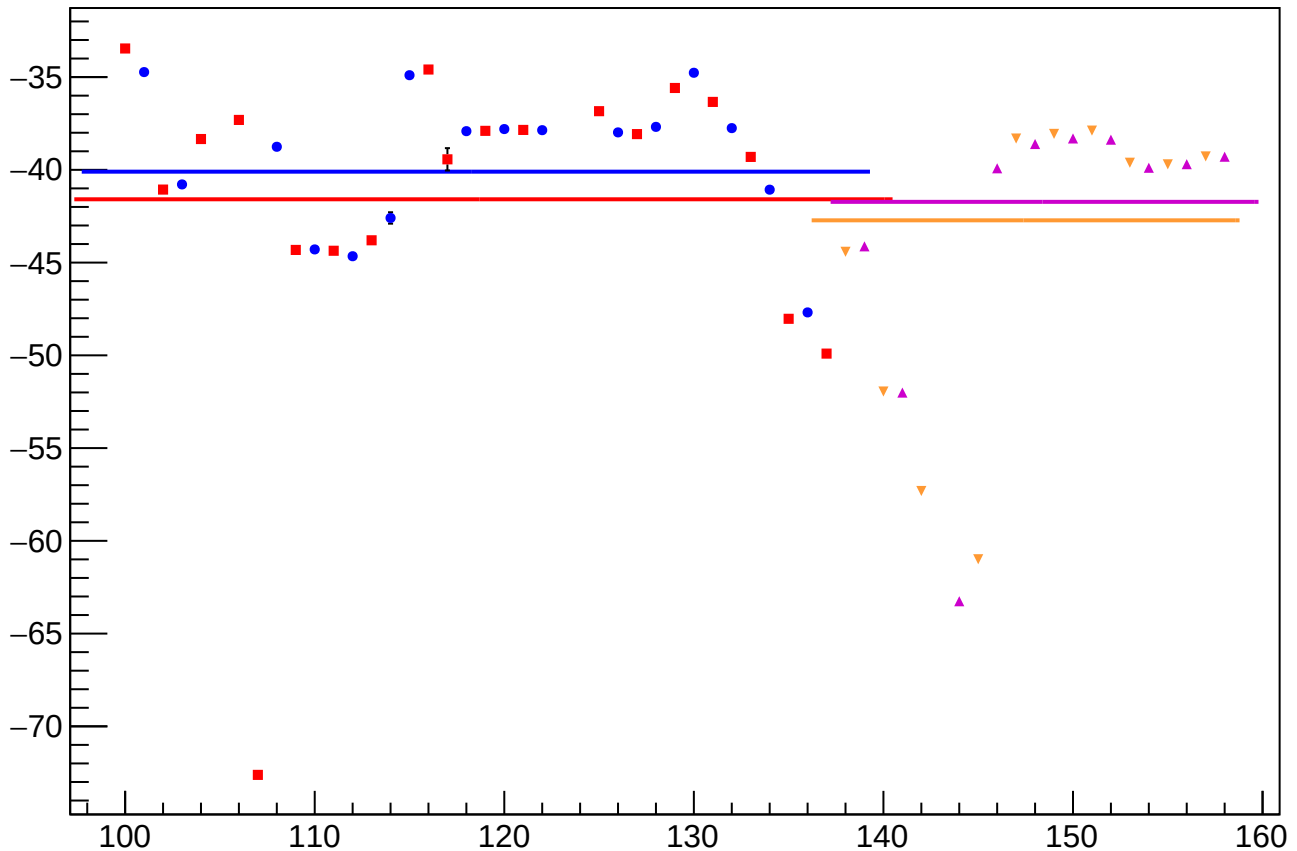
Right Out: 7.550 ± 0.522 χ^2/NDF : 692.3/18

Left In: 14.620 ± 0.425 χ^2/NDF : 398.6/9

12.831 ± 0.331 χ^2/NDF : 936.6/25

11.803 ± 0.330 χ^2/NDF : 1201.0/28

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.098 ± 0.028 $\chi^2/\text{NDF}: 25073.4/15$

Left Out: -42.722 ± 0.022 $\chi^2/\text{NDF}: 102849.8/9$

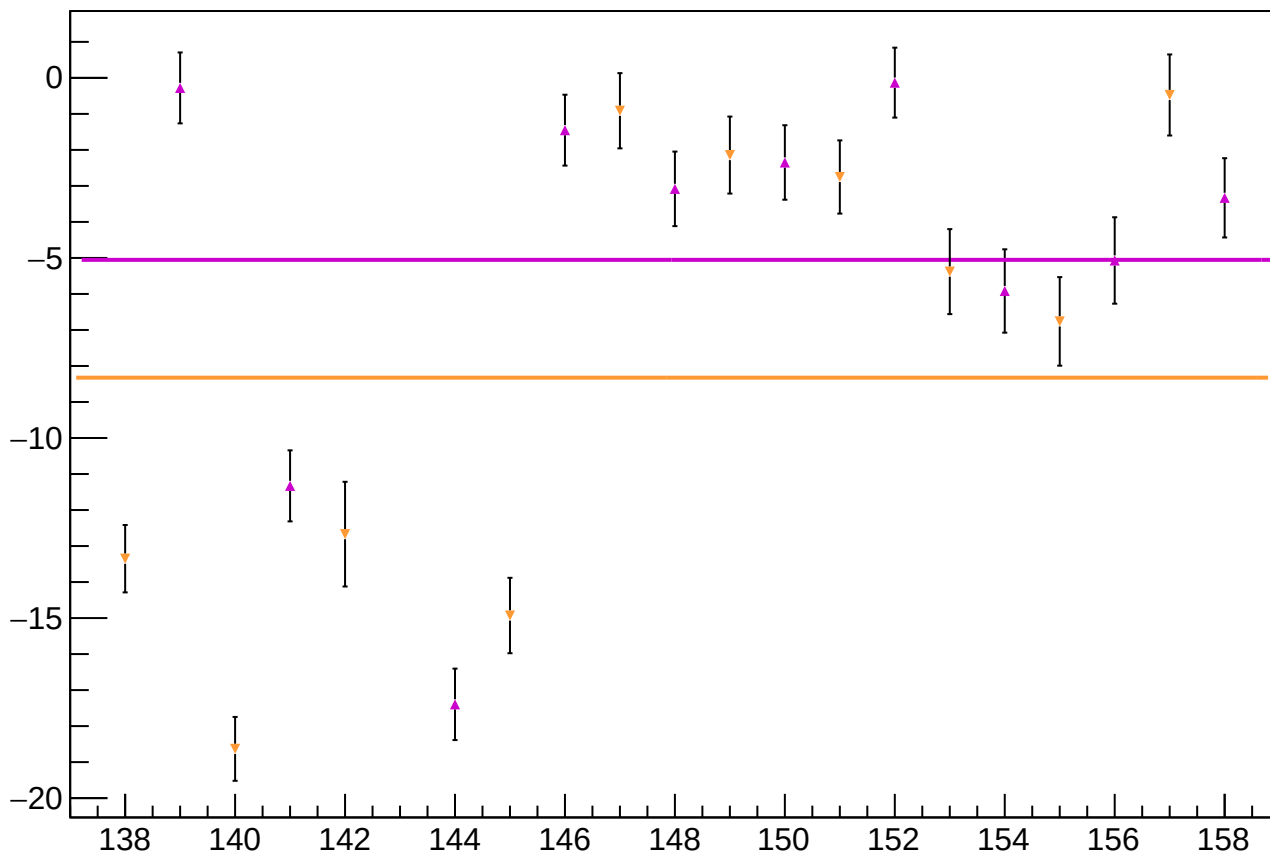
Right Out: -41.588 ± 0.029 $\chi^2/\text{NDF}: 61690.5/18$

Left In: -41.725 ± 0.020 $\chi^2/\text{NDF}: 88287.2/9$

-41.725 ± 0.017 $\chi^2/\text{NDF}: 133246.3/25$

-41.679 ± 0.017 $\chi^2/\text{NDF}: 149993.1/28$

reg_asym_us_dd_diff_bpm1X_slope vs Slug



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

Left Out: -8.324 $\pm$ 0.338 χ^2 /NDF: 383.1/9

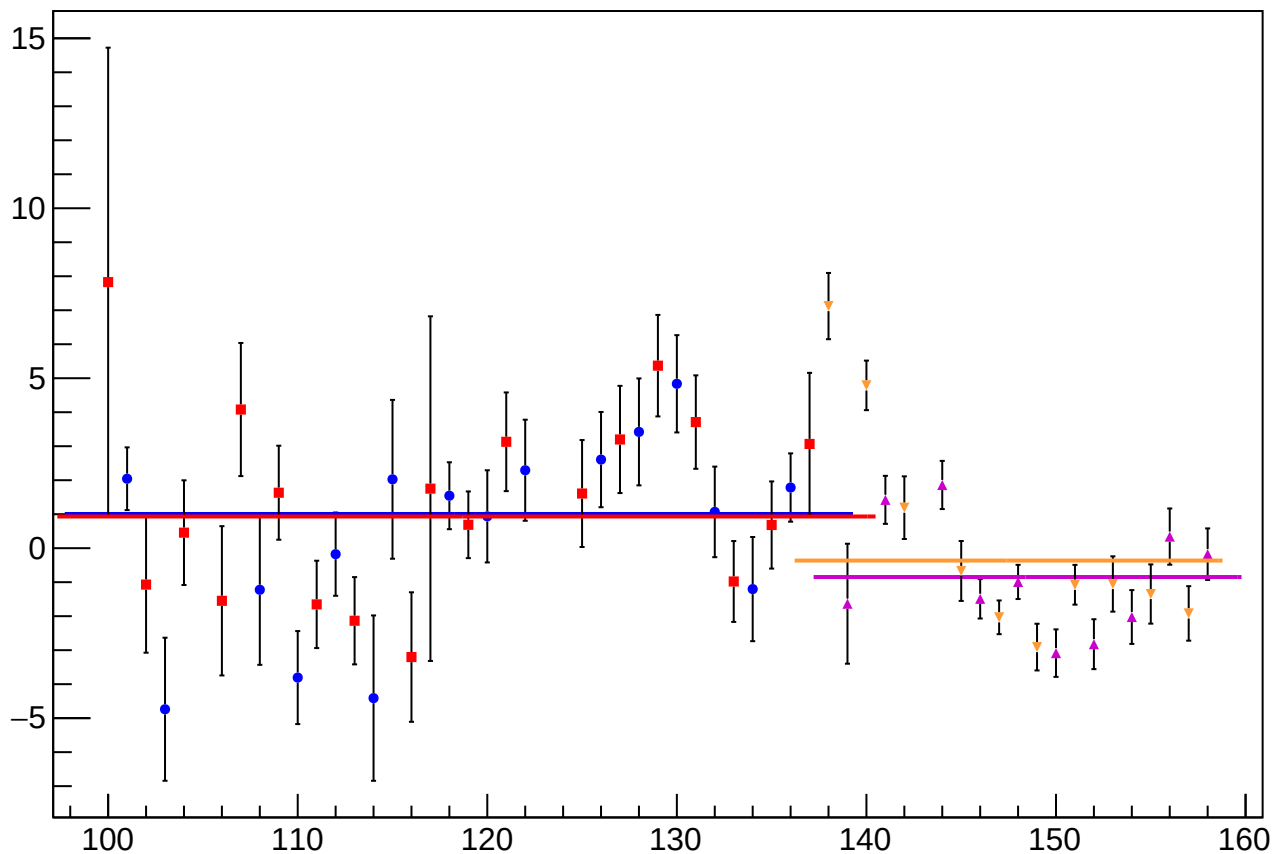
-8.324 $\pm$ 0.338 χ^2 /NDF: 383.1/9

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

-5.053 $\pm$ 0.328 χ^2 /NDF: 271.4/9

Left In: -5.053 $\pm$ 0.328 χ^2 /NDF: 271.4/9

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: 1.006 ± 0.342 χ^2/NDF : 42.7/15

Left Out: -0.364 ± 0.230 χ^2/NDF : 144.3/9

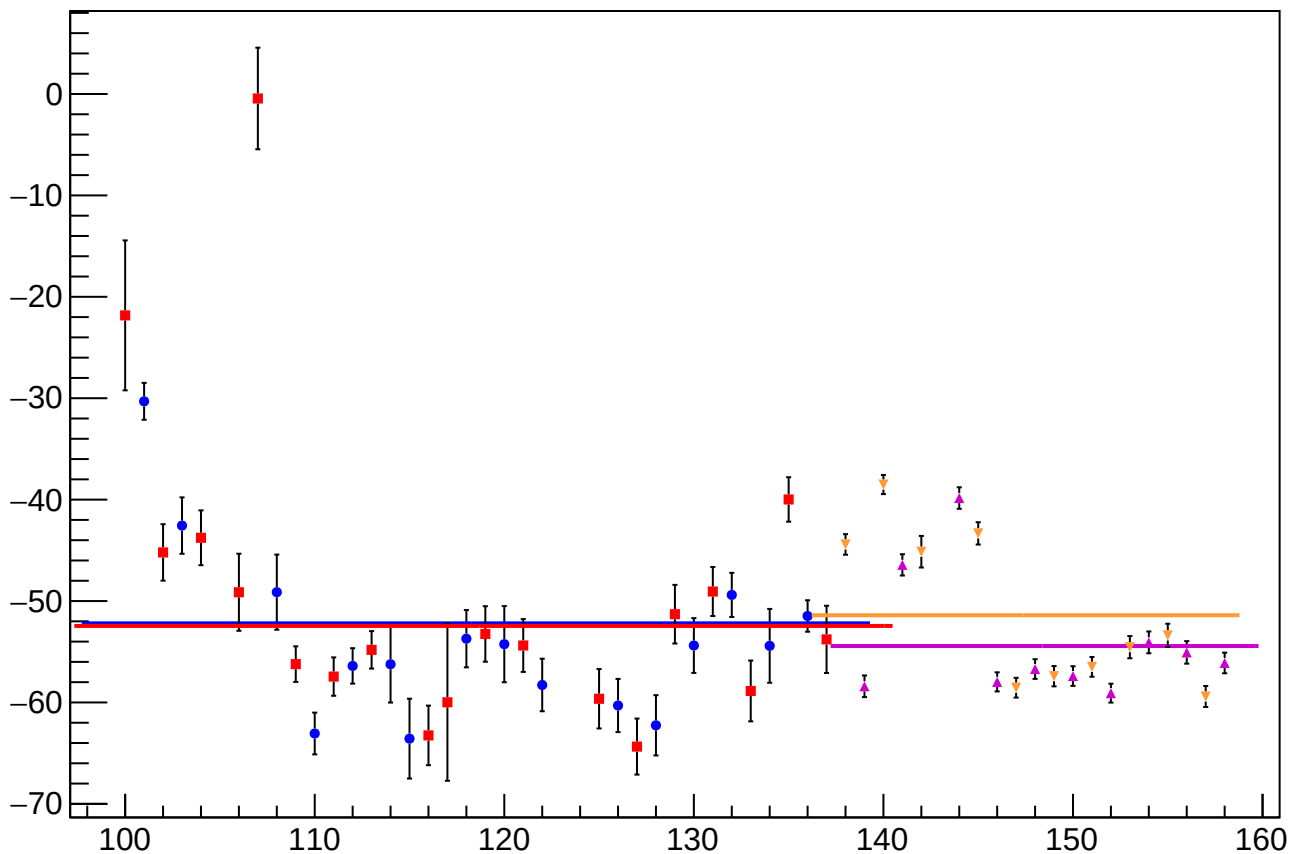
Right Out: 0.933 ± 0.352 χ^2/NDF : 41.9/18

Left In: -0.849 ± 0.224 χ^2/NDF : 49.0/9

0.064 ± 0.191 χ^2/NDF : 198.1/25

-0.336 ± 0.189 χ^2/NDF : 109.1/28

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -52.200 $\pm$ 0.615 χ^2/NDF : 230.6/15

Left Out: -51.399 $\pm$ 0.334 χ^2/NDF :492.0/9

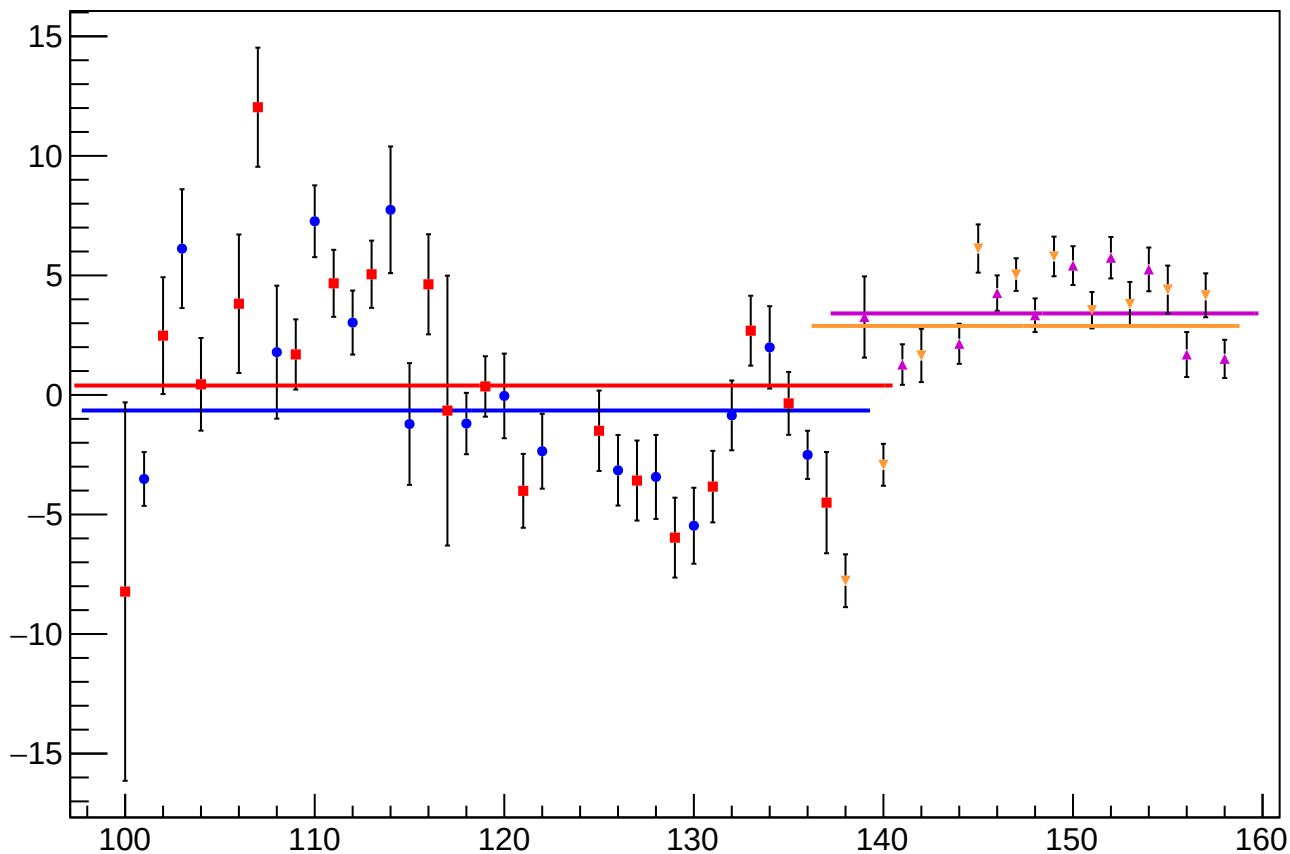
Right Out: -52.455 $\pm$ 0.614 χ^2/NDF : 234.8/18

Left In: -54.435 $\pm$ 0.321 χ^2/NDF :318.2/9

-51.582 $\pm$ 0.293 χ^2/NDF : 723.9/25

-54.011 $\pm$ 0.284 χ^2/NDF : 561.3/28

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: -0.651 ± 0.387 χ^2/NDF : 81.9/15

Left Out: 2.886 ± 0.282 χ^2/NDF : 176.7/9

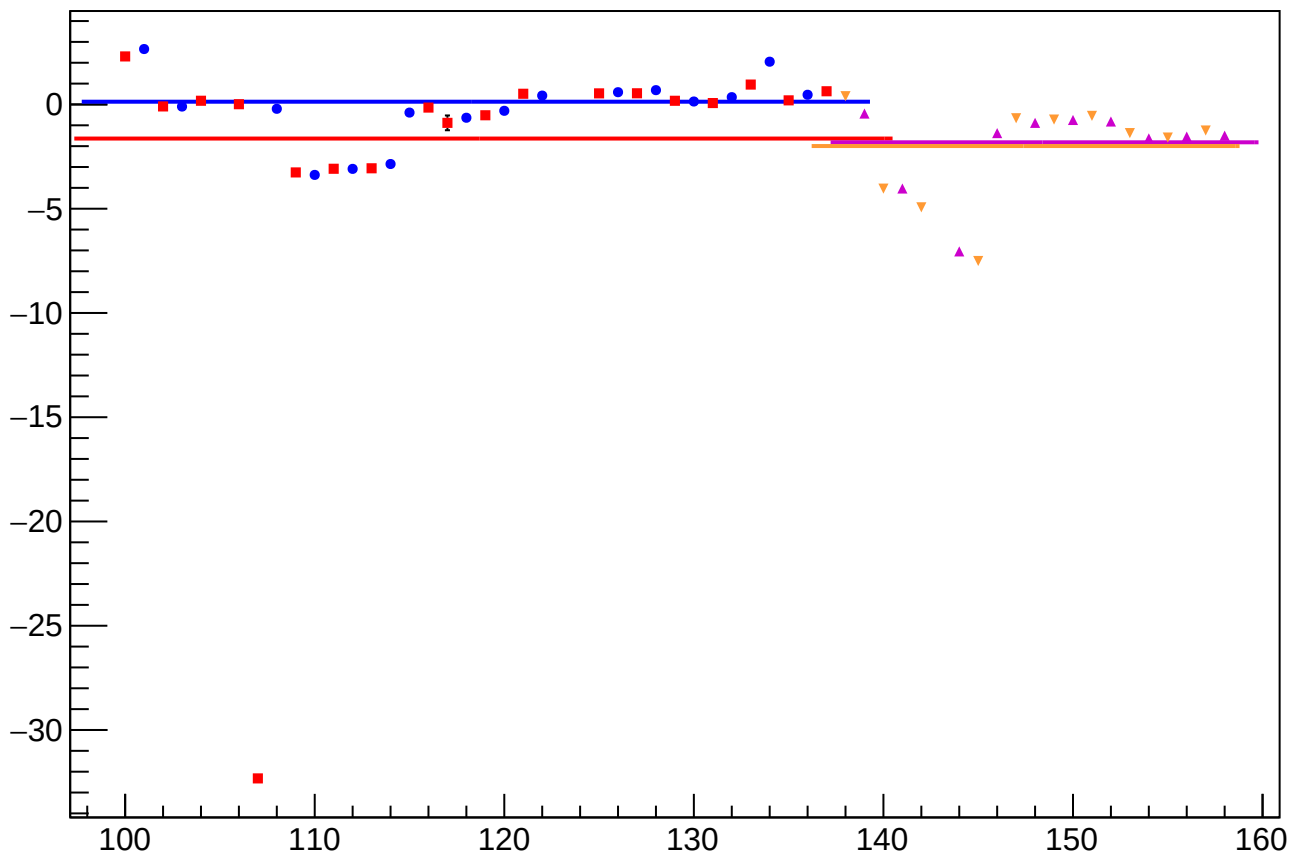
Right Out: 0.394 ± 0.398 χ^2/NDF : 95.9/18

Left In: 3.410 ± 0.270 χ^2/NDF : 36.4/9

1.660 ± 0.228 χ^2/NDF : 313.2/25

2.462 ± 0.223 χ^2/NDF : 171.6/28

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.132 ± 0.022 $\chi^2/\text{NDF}: 5247.5/15$

Left Out: -1.994 ± 0.013 $\chi^2/\text{NDF}: 28309.9/9$

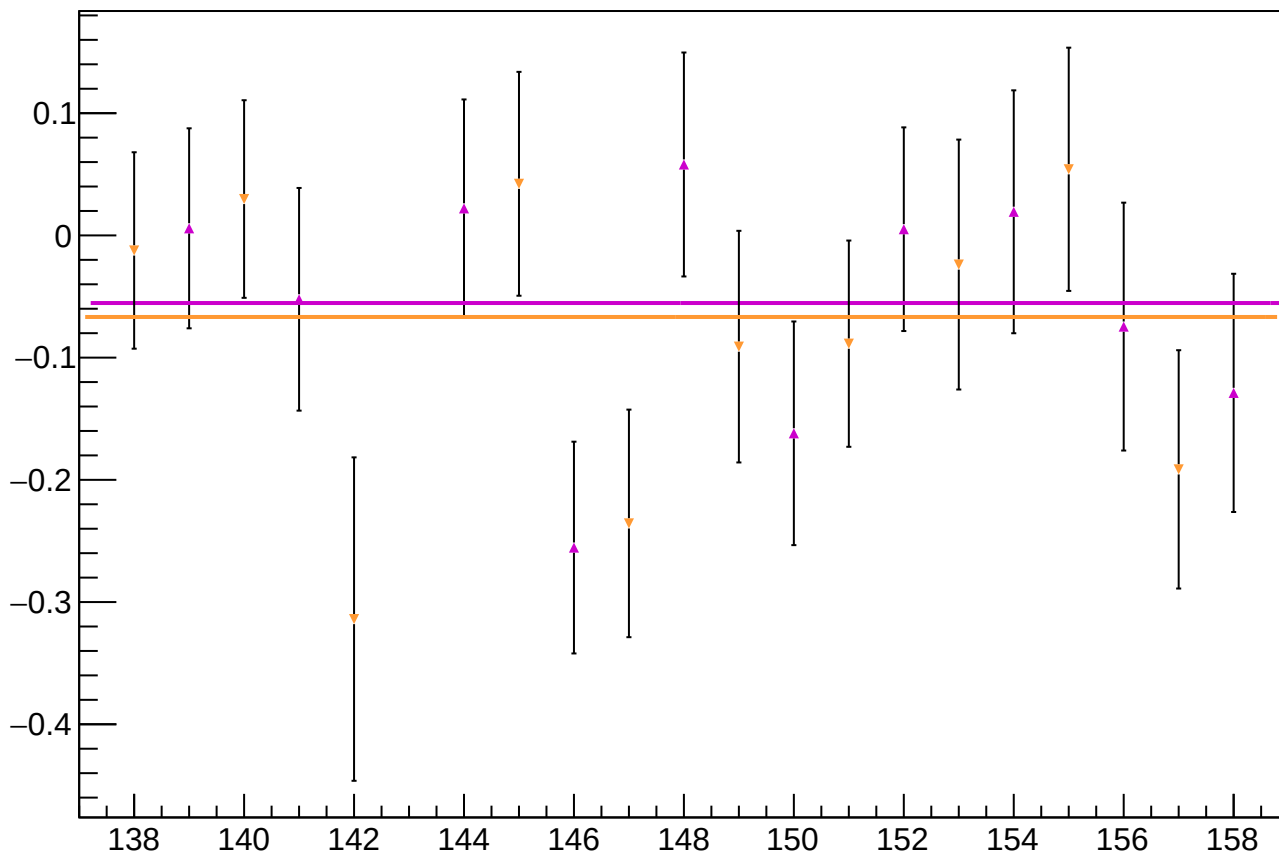
Right Out: -1.635 ± 0.022 $\chi^2/\text{NDF}: 77852.9/18$

Left In: -1.815 ± 0.013 $\chi^2/\text{NDF}: 18989.8/9$

-1.412 ± 0.011 $\chi^2/\text{NDF}: 40620.6/25$

-1.770 ± 0.011 $\chi^2/\text{NDF}: 96893.8/28$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



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

Left Out: -0.067+/-0.029 χ^2/NDF : 13.5/9

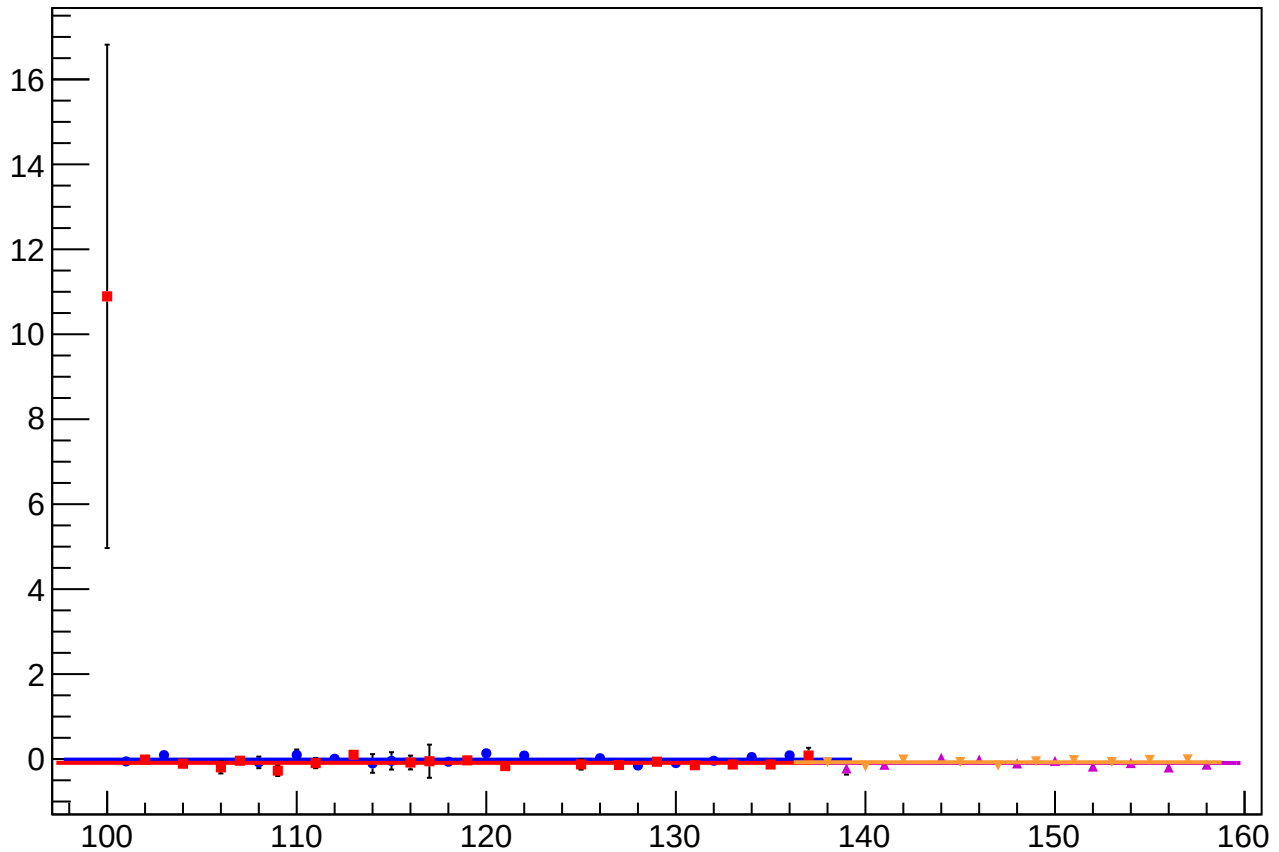
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -0.055+/-0.029 χ^2/NDF : 11.2/9

-0.067+/-0.029 χ^2/NDF : 13.5/9

-0.055+/-0.029 χ^2/NDF : 11.2/9

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013+/-0.023 χ^2/NDF : 11.7/15

Left Out: -0.076+/-0.020 χ^2/NDF : 9.0/9

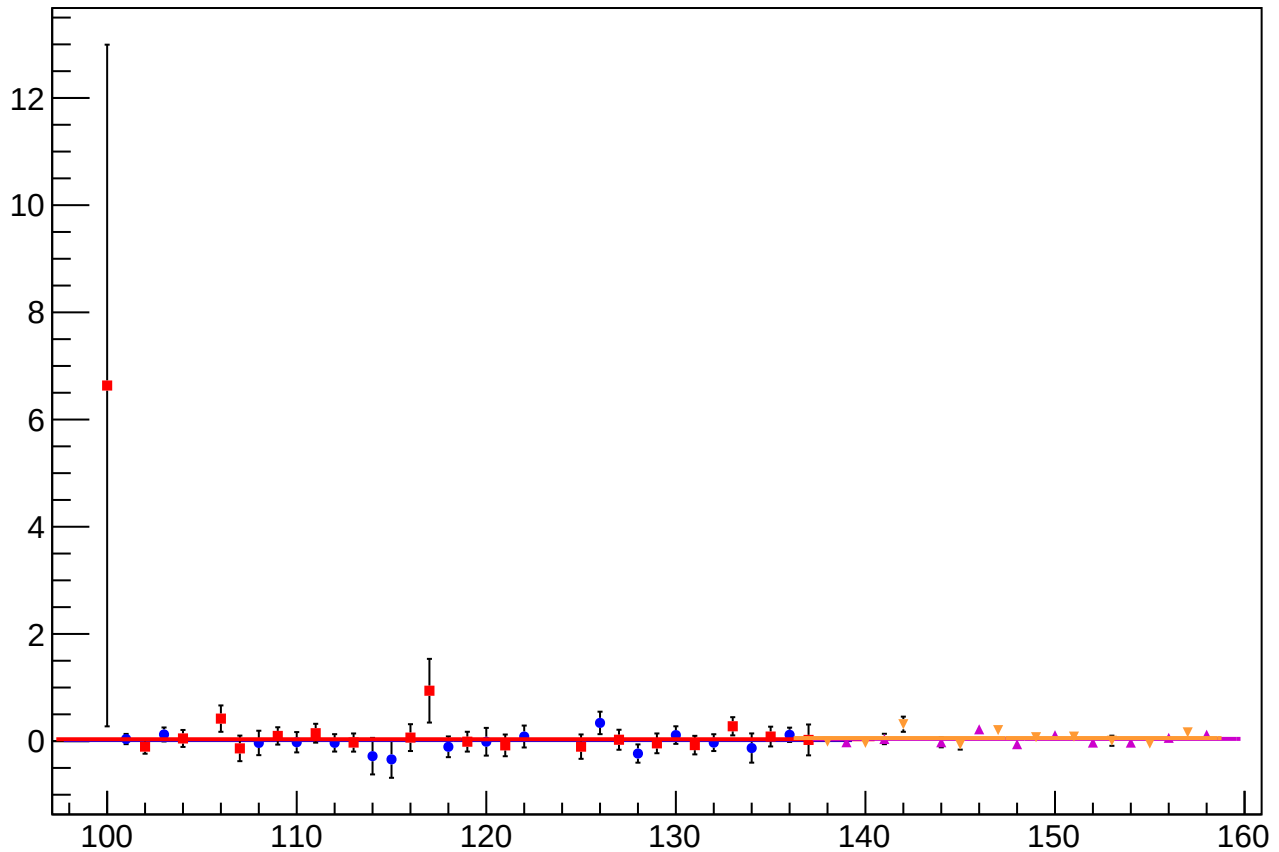
Right Out: -0.089+/-0.025 χ^2/NDF : 13.0/18

Left In: -0.092+/-0.020 χ^2/NDF : 12.3/9

-0.049+/-0.015 χ^2/NDF : 24.7/25

-0.091+/-0.015 χ^2/NDF : 25.3/28

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.020 $\pm$ 0.043 χ^2 /NDF: 9.1/15

Left Out: 0.058 $\pm$ 0.029 χ^2 /NDF:12.5/9

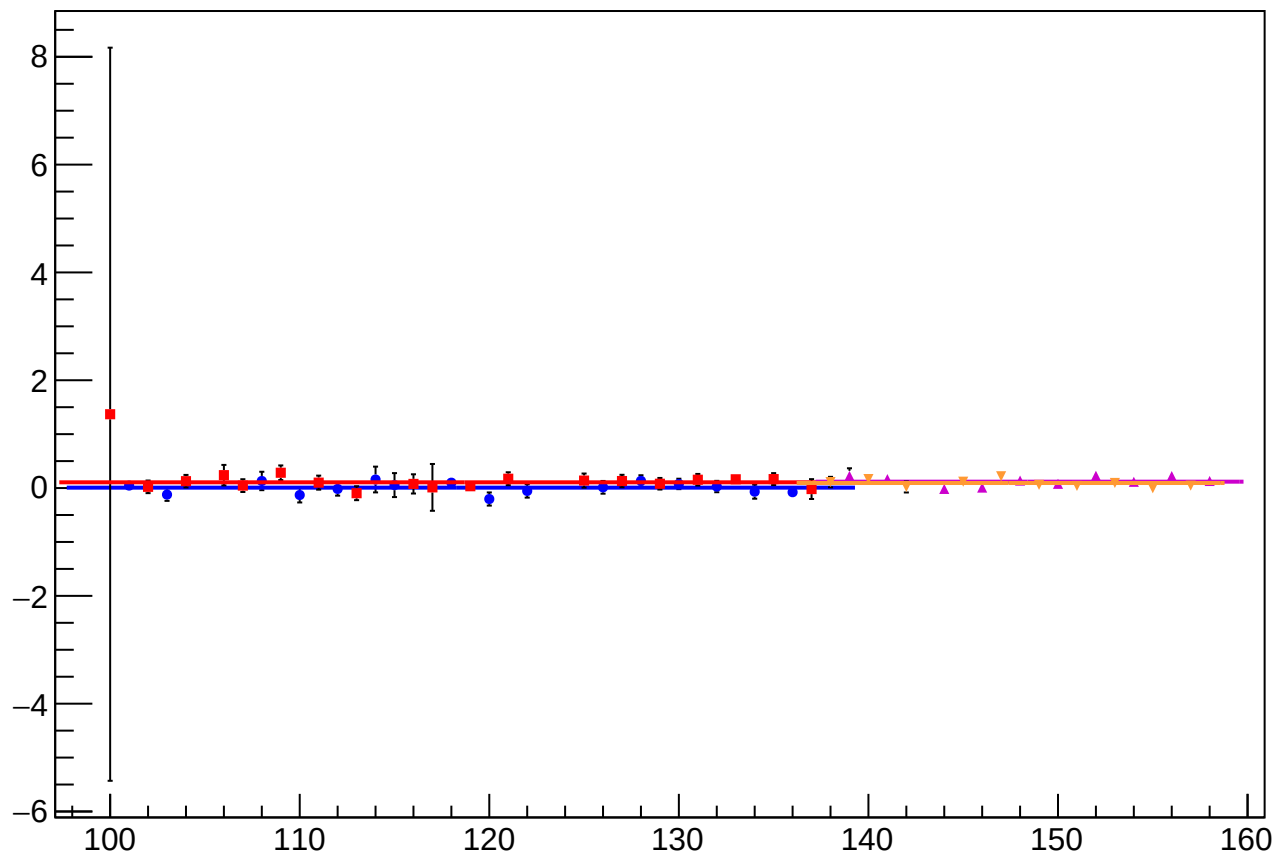
Right Out: 0.035 $\pm$ 0.045 χ^2 /NDF: 11.6/18

Left In: 0.042 $\pm$ 0.028 χ^2 /NDF:9.6/9

0.046 $\pm$ 0.024 χ^2 /NDF: 22.1/25

0.040 $\pm$ 0.024 χ^2 /NDF: 21.2/28

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.007 $\pm$ 0.027 χ^2 /NDF: 11.3/15

Left Out: 0.094 $\pm$ 0.025 χ^2 /NDF: 8.5/9

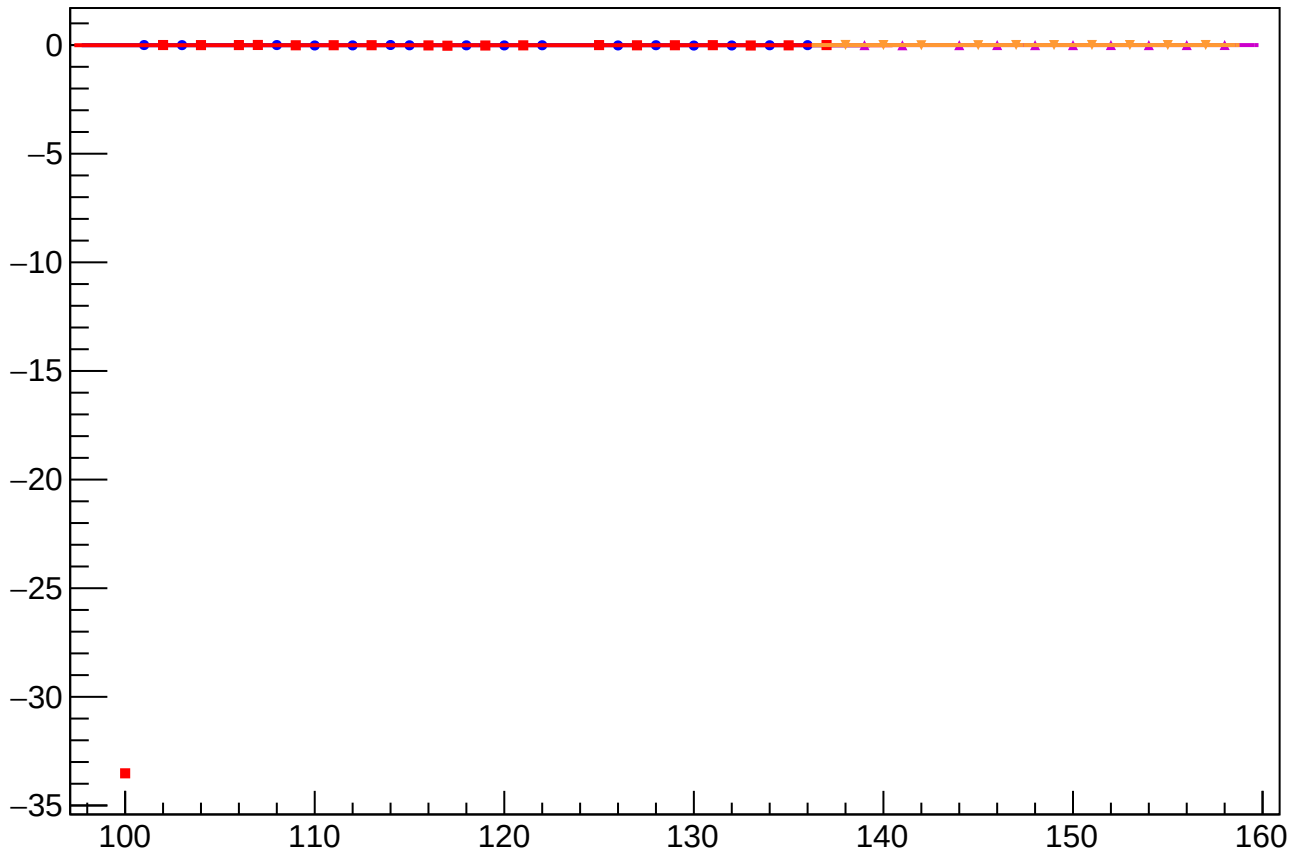
Right Out: 0.106 $\pm$ 0.029 χ^2 /NDF: 8.2/18

Left In: 0.118 $\pm$ 0.024 χ^2 /NDF: 11.2/9

0.055 $\pm$ 0.018 χ^2 /NDF: 25.3/25

0.113 $\pm$ 0.018 χ^2 /NDF: 19.5/28

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 ± 0.001 χ^2/NDF : 21.8/15

Left Out: 0.001 ± 0.001 χ^2/NDF : 7.0/9

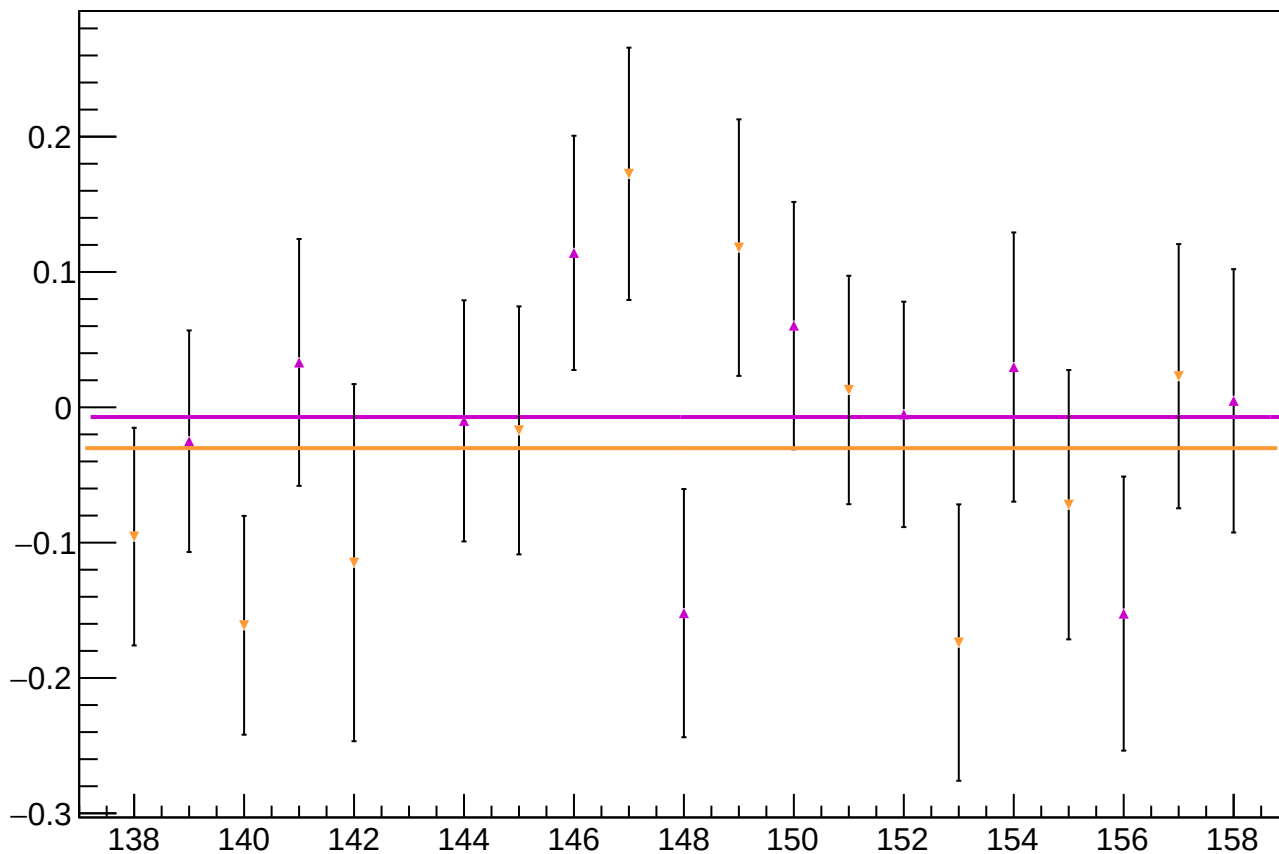
Right Out: -0.006 ± 0.001 χ^2/NDF : 26509.5/18

Left In: -0.000 ± 0.001 χ^2/NDF : 7.2/9

-0.001 ± 0.001 χ^2/NDF : 40.5/25

-0.002 ± 0.001 χ^2/NDF : 26527.4/28

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



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

Left Out: -0.030 $\pm$ 0.029 χ^2 /NDF:13.6/9

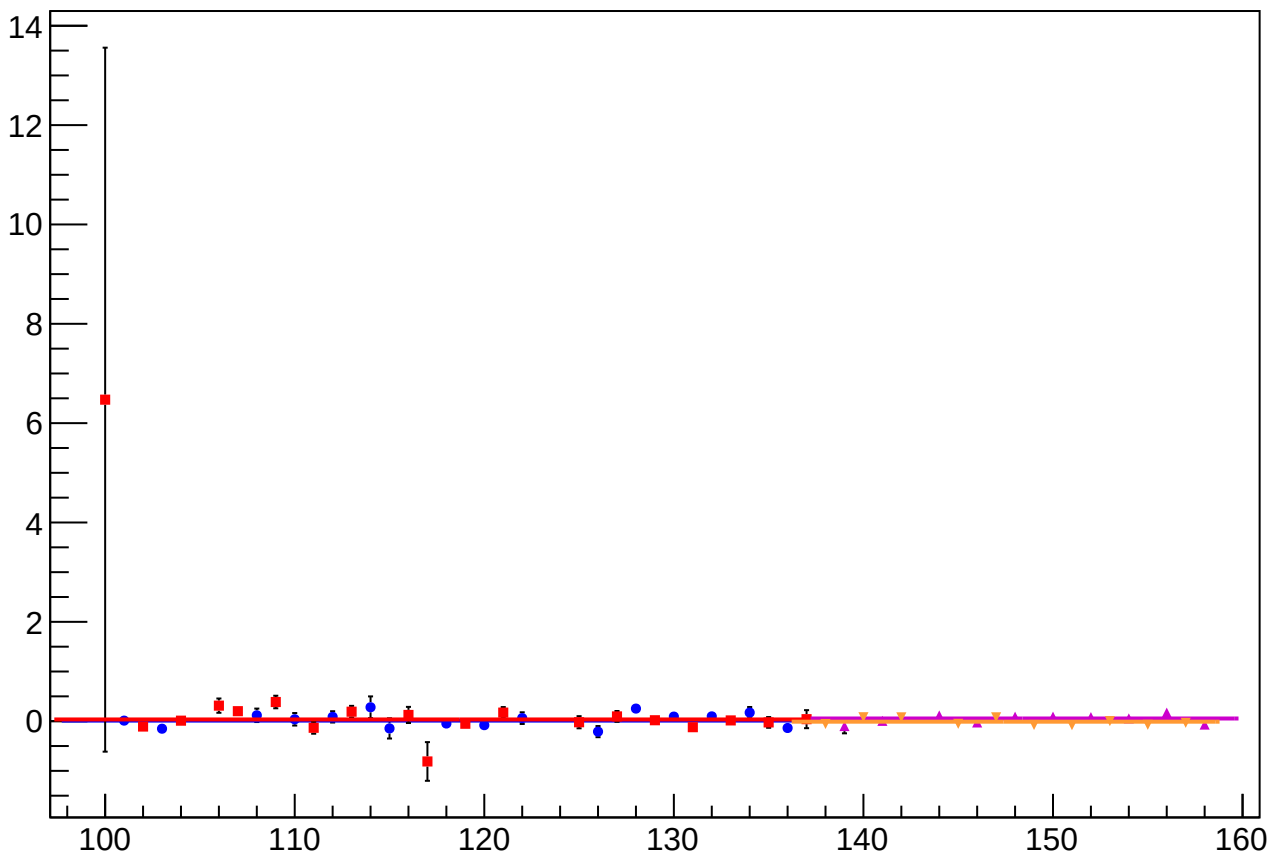
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -0.007 $\pm$ 0.029 χ^2 /NDF:7.5/9

-0.030 $\pm$ 0.029 χ^2 /NDF: 13.6/9

-0.007 $\pm$ 0.029 χ^2 /NDF: 7.5/9

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.012 $\pm$ 0.023 χ^2 /NDF: 25.0/15

Left Out: -0.010 $\pm$ 0.020 χ^2 /NDF: 11.6/9

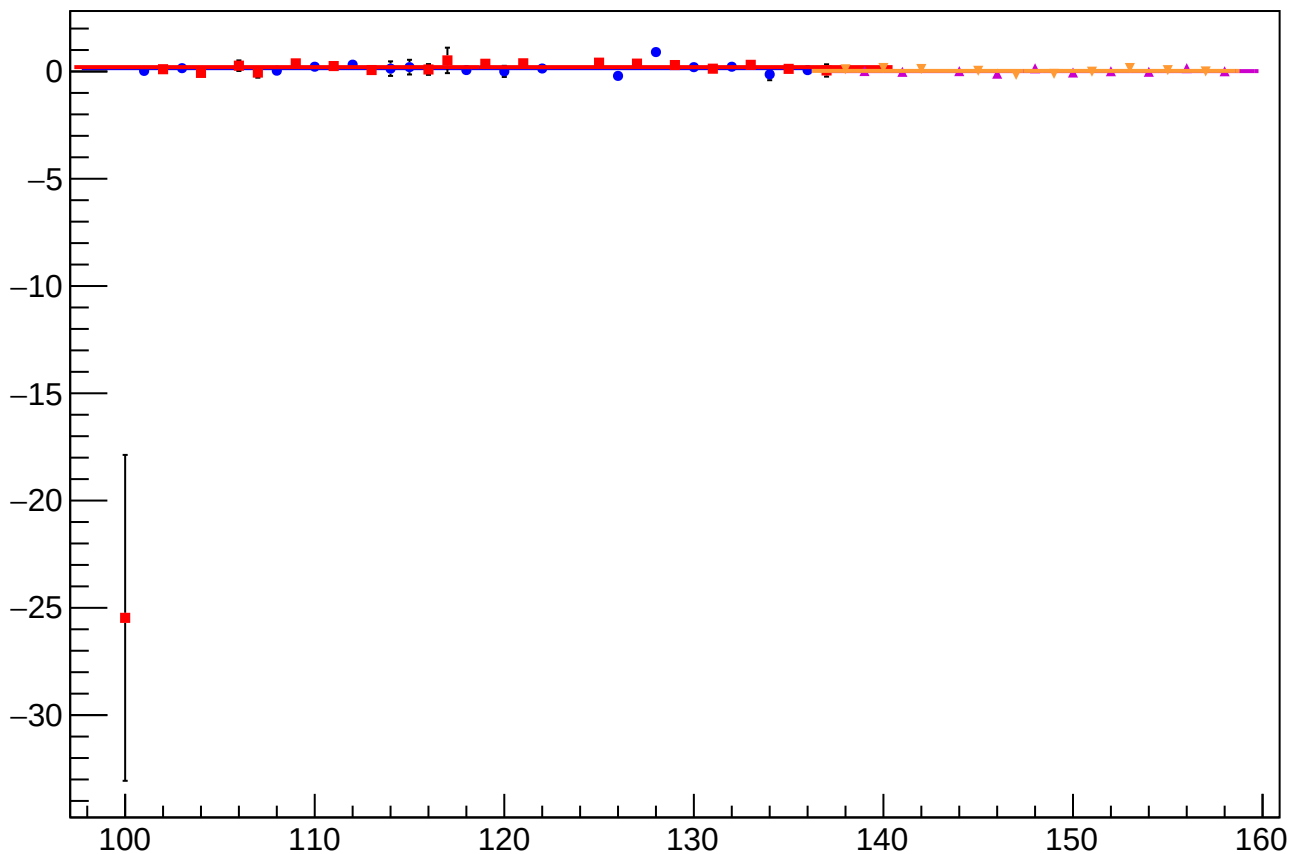
Right Out: 0.035 $\pm$ 0.025 χ^2 /NDF: 33.2/18

Left In: 0.054 $\pm$ 0.020 χ^2 /NDF: 12.3/9

-0.001 $\pm$ 0.015 χ^2 /NDF: 37.2/25

0.047 $\pm$ 0.015 χ^2 /NDF: 45.9/28

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.154 ± 0.043 $\chi^2/\text{NDF}: 27.9/15$

Left Out: 0.027 ± 0.029 $\chi^2/\text{NDF}: 13.1/9$

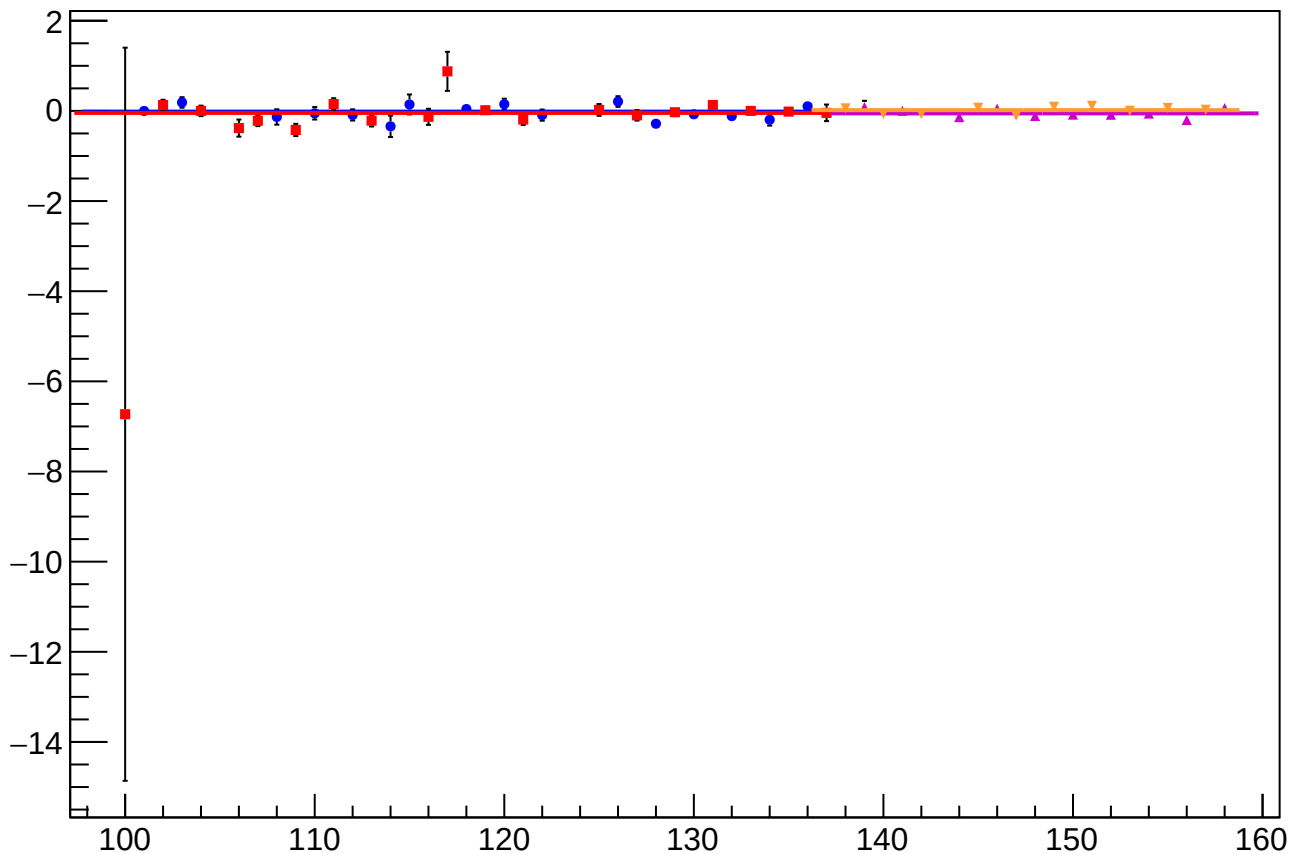
Right Out: 0.203 ± 0.045 $\chi^2/\text{NDF}: 22.9/18$

Left In: 0.017 ± 0.028 $\chi^2/\text{NDF}: 7.4/9$

0.067 ± 0.024 $\chi^2/\text{NDF}: 47.1/25$

0.069 ± 0.024 $\chi^2/\text{NDF}: 42.7/28$

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.016 ± 0.027 χ^2/NDF : 24.3/15

Left Out: 0.017 ± 0.025 χ^2/NDF : 10.5/9

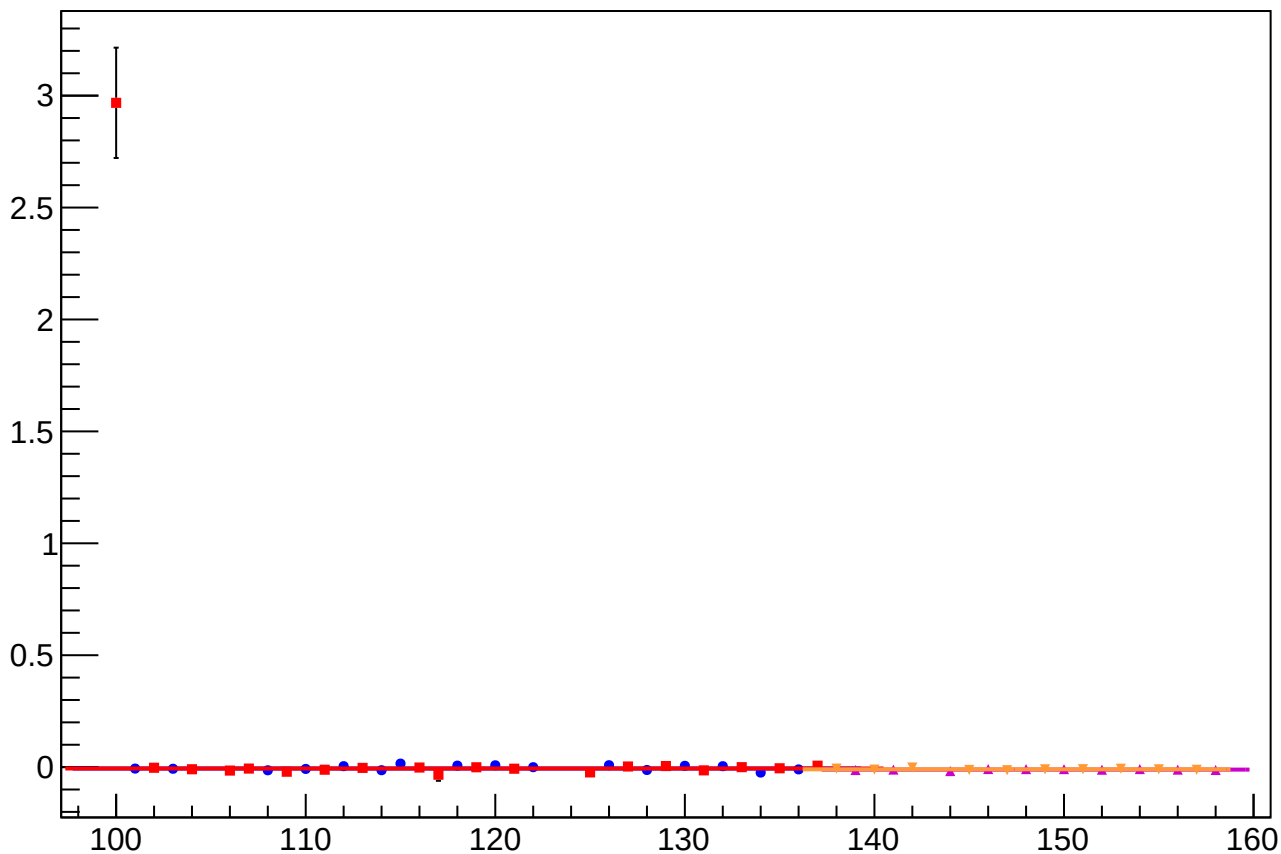
Right Out: -0.044 ± 0.029 χ^2/NDF : 30.5/18

Left In: -0.055 ± 0.024 χ^2/NDF : 12.5/9

0.002 ± 0.018 χ^2/NDF : 35.6/25

-0.051 ± 0.018 χ^2/NDF : 43.1/28

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.001 χ^2/NDF : 27.3/15

Left Out: -0.010 ± 0.001 χ^2/NDF : 5.5/9

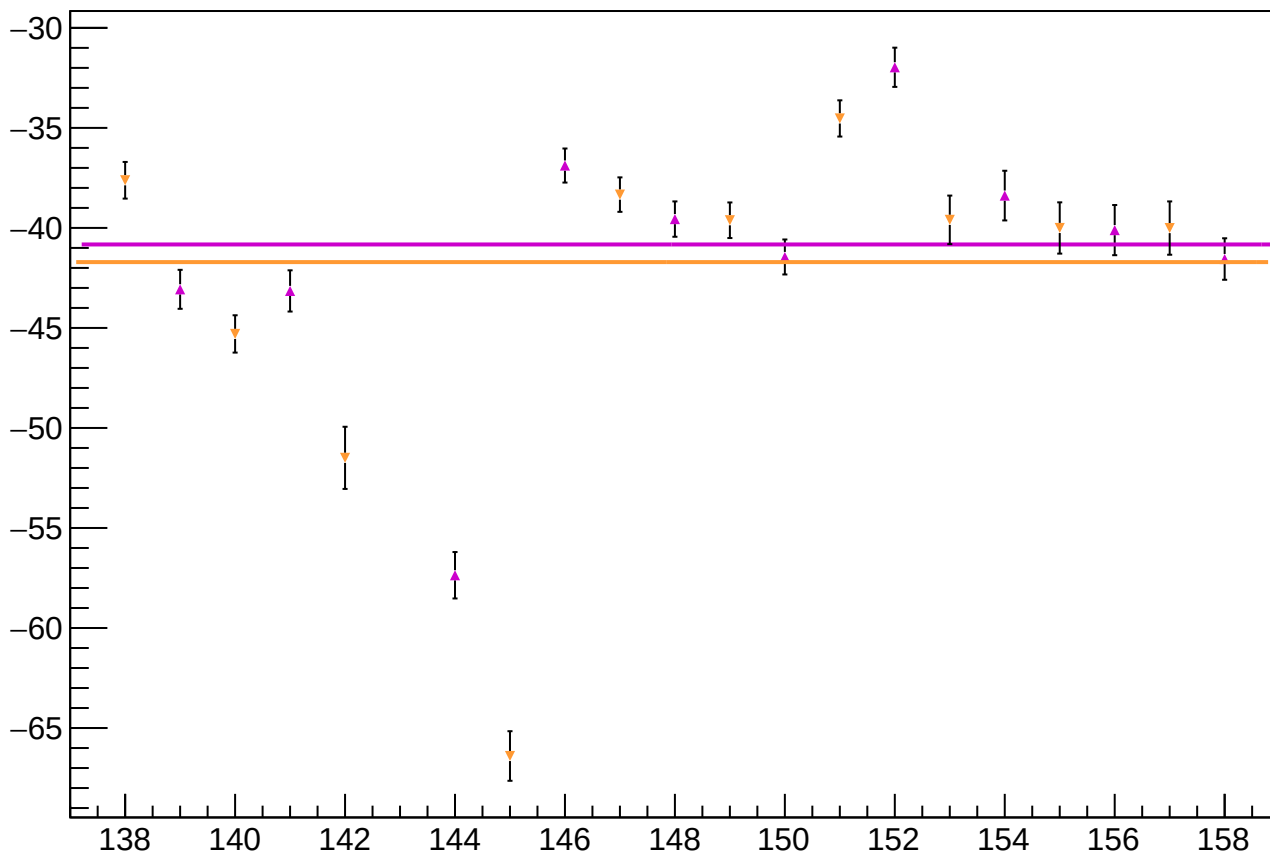
Right Out: -0.006 ± 0.001 χ^2/NDF : 167.0/18

Left In: -0.011 ± 0.001 χ^2/NDF : 4.9/9

-0.008 ± 0.001 χ^2/NDF : 36.6/25

-0.009 ± 0.001 χ^2/NDF : 179.4/28

reg_asym_left_avg_diff_bpm1X_slope vs Slug



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

Left Out: -41.709+/-0.332 χ^2/NDF : 561.3/9

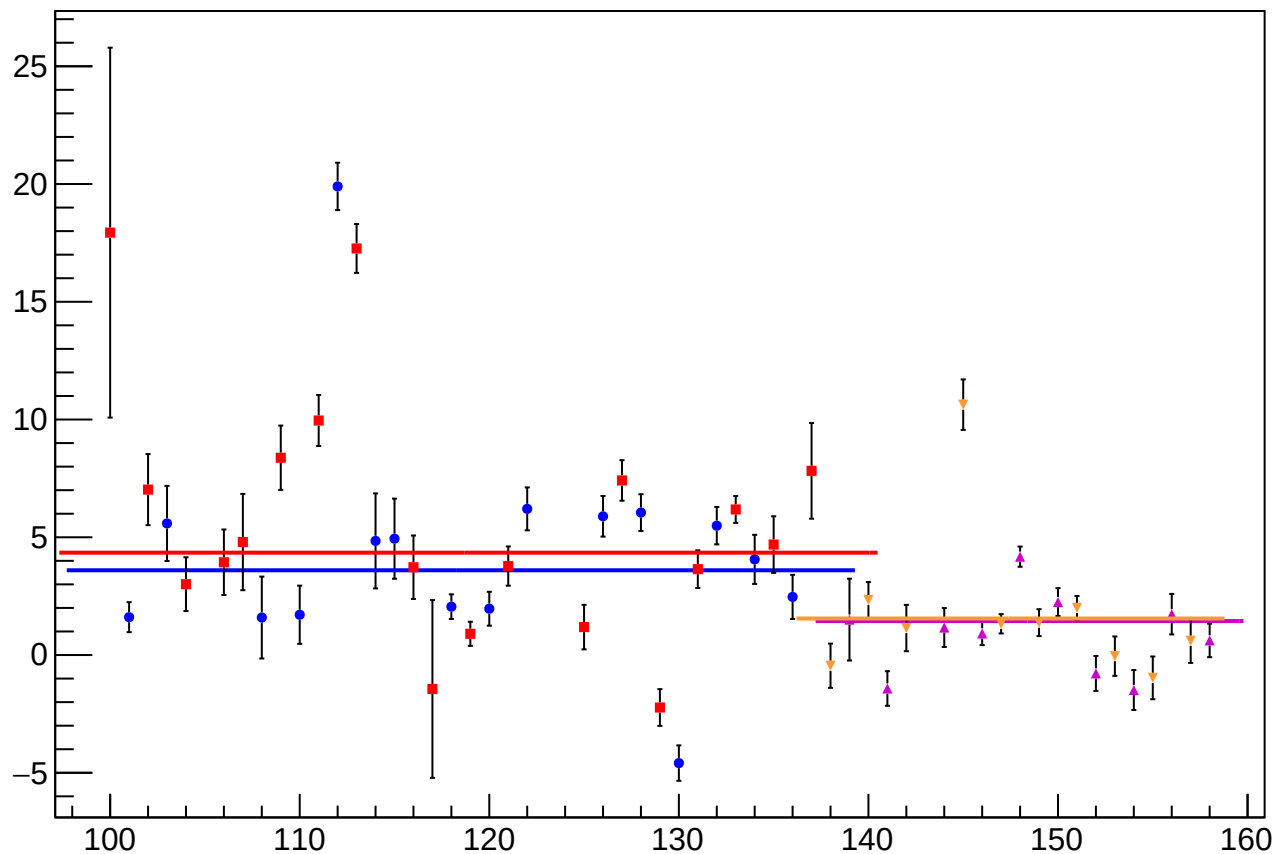
-41.709+/-0.332 χ^2/NDF : 561.3/9

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

Left In: -40.827+/-0.317 χ^2/NDF : 323.8/9

-40.827+/-0.317 χ^2/NDF : 323.8/9

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.599 ± 0.220 χ^2/NDF : 443.4/15

Left Out: 1.551 ± 0.216 χ^2/NDF : 91.2/9

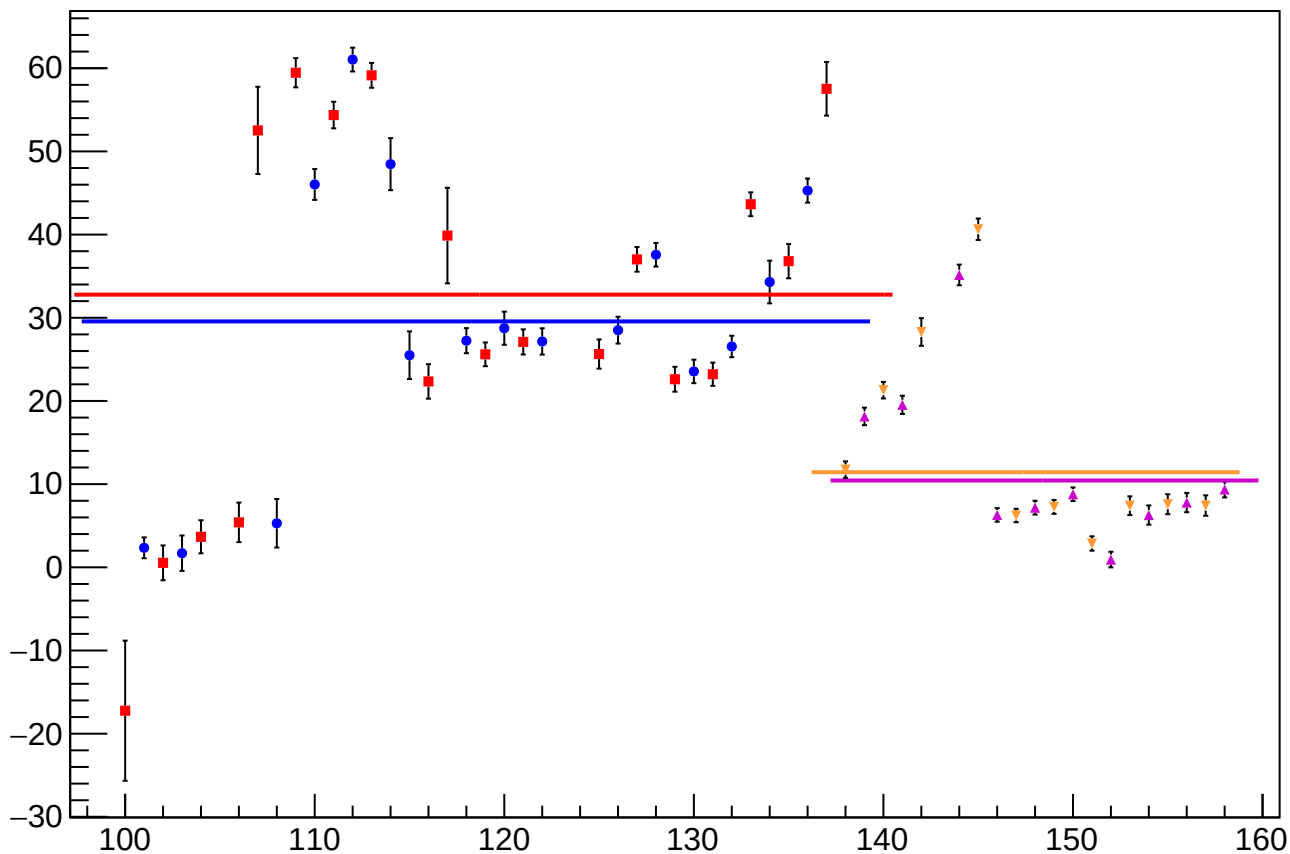
Right Out: 4.347 ± 0.224 χ^2/NDF : 355.4/18

Left In: 1.443 ± 0.211 χ^2/NDF : 81.3/9

2.554 ± 0.154 χ^2/NDF : 578.7/25

2.803 ± 0.154 χ^2/NDF : 525.7/28

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 29.564 $\pm$ 0.420 χ^2 /NDF: 1494.6/15

Left Out: 11.436 $\pm$ 0.325 χ^2 /NDF: 915.7/9

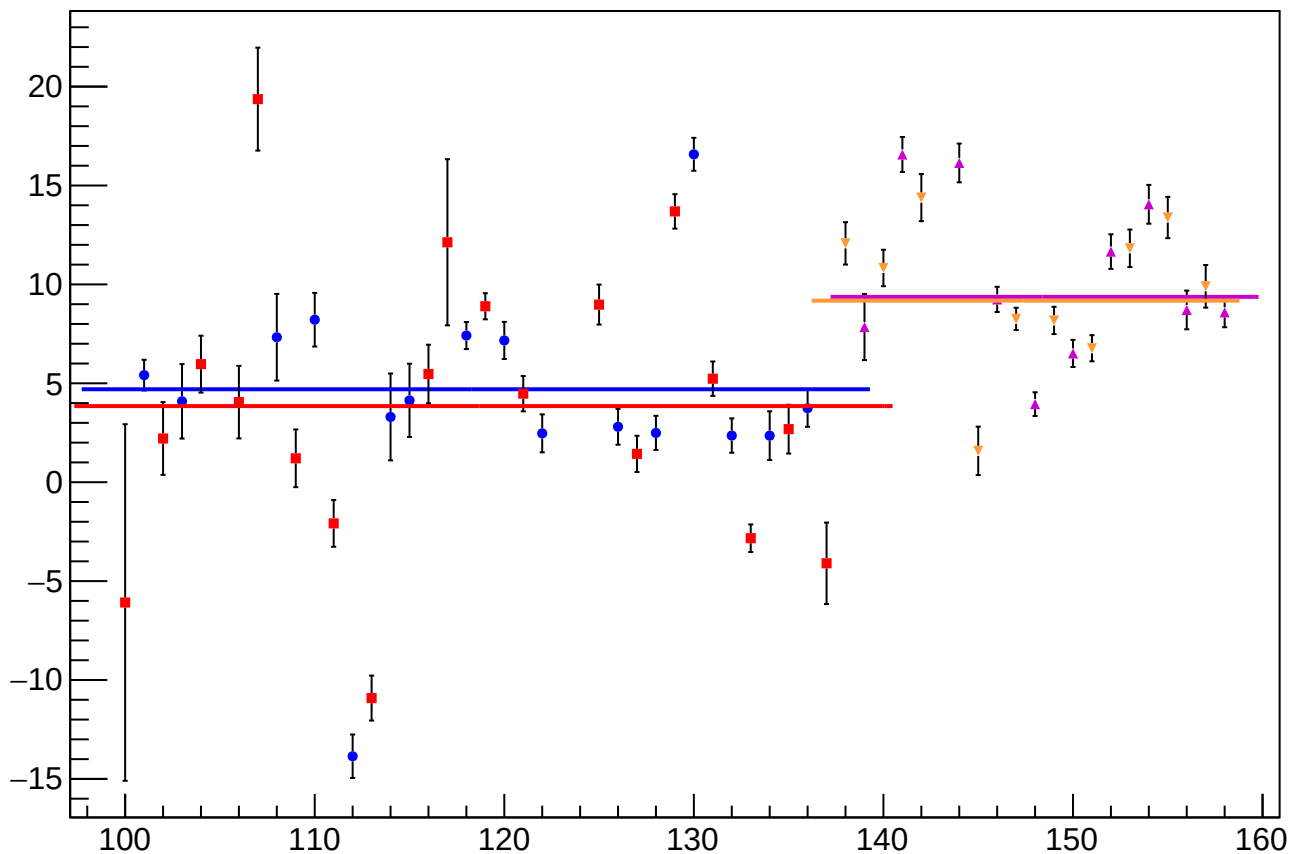
Right Out: 32.780 $\pm$ 0.422 χ^2 /NDF: 1664.8/18

Left In: 10.439 $\pm$ 0.308 χ^2 /NDF: 686.1/9

18.233 $\pm$ 0.257 χ^2 /NDF: 3577.3/25

18.206 $\pm$ 0.249 χ^2 /NDF: 4182.6/28

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.699 ± 0.254 χ^2/NDF : 548.9/15

Left Out: 9.178 ± 0.269 χ^2/NDF : 110.6/9

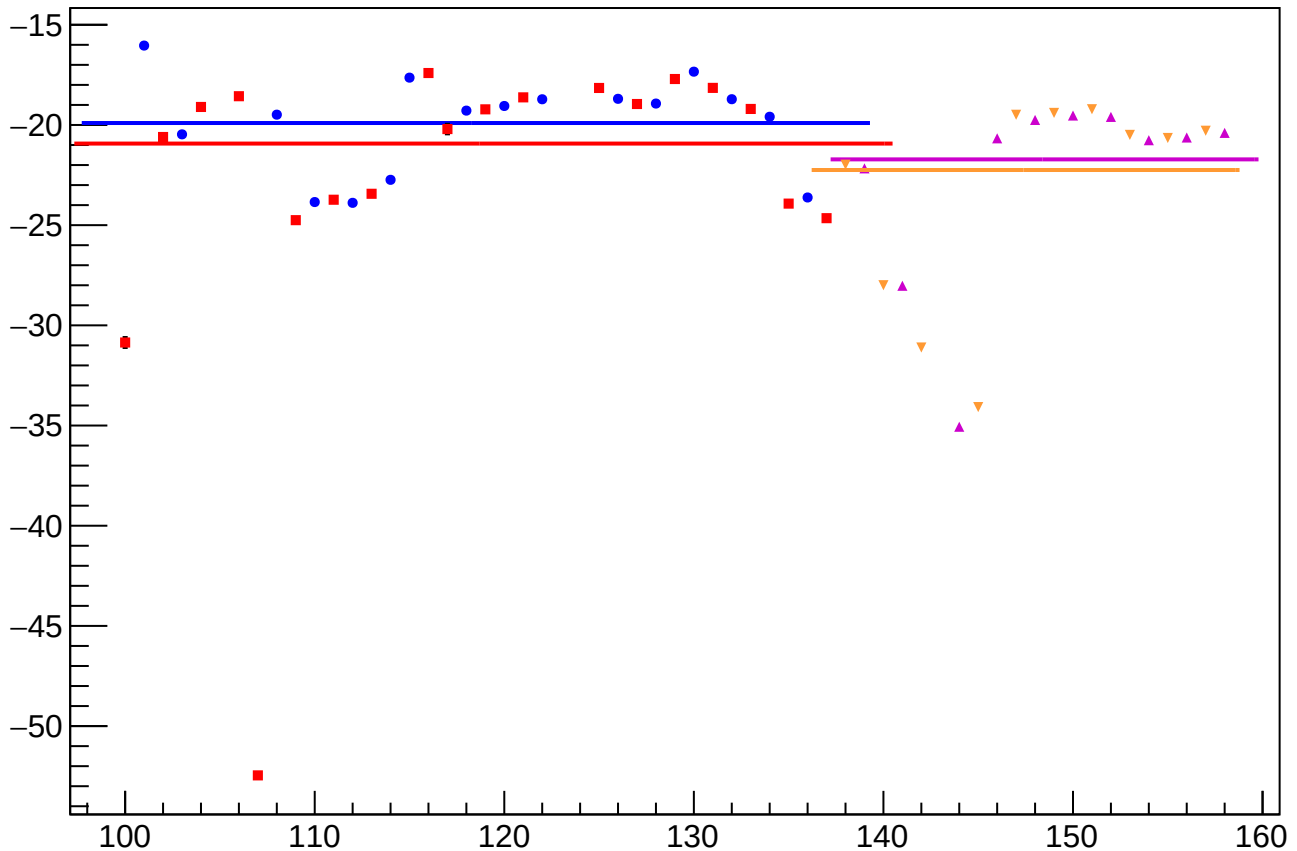
Right Out: 3.848 ± 0.258 χ^2/NDF : 571.5/18

Left In: 9.370 ± 0.256 χ^2/NDF : 245.2/9

6.814 ± 0.185 χ^2/NDF : 806.4/25

6.627 ± 0.182 χ^2/NDF : 1047.3/28

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.902 ± 0.016 $\chi^2/\text{NDF}: 26054.0/15$

Left Out: -22.247 ± 0.013 $\chi^2/\text{NDF}: 112896.9/9$

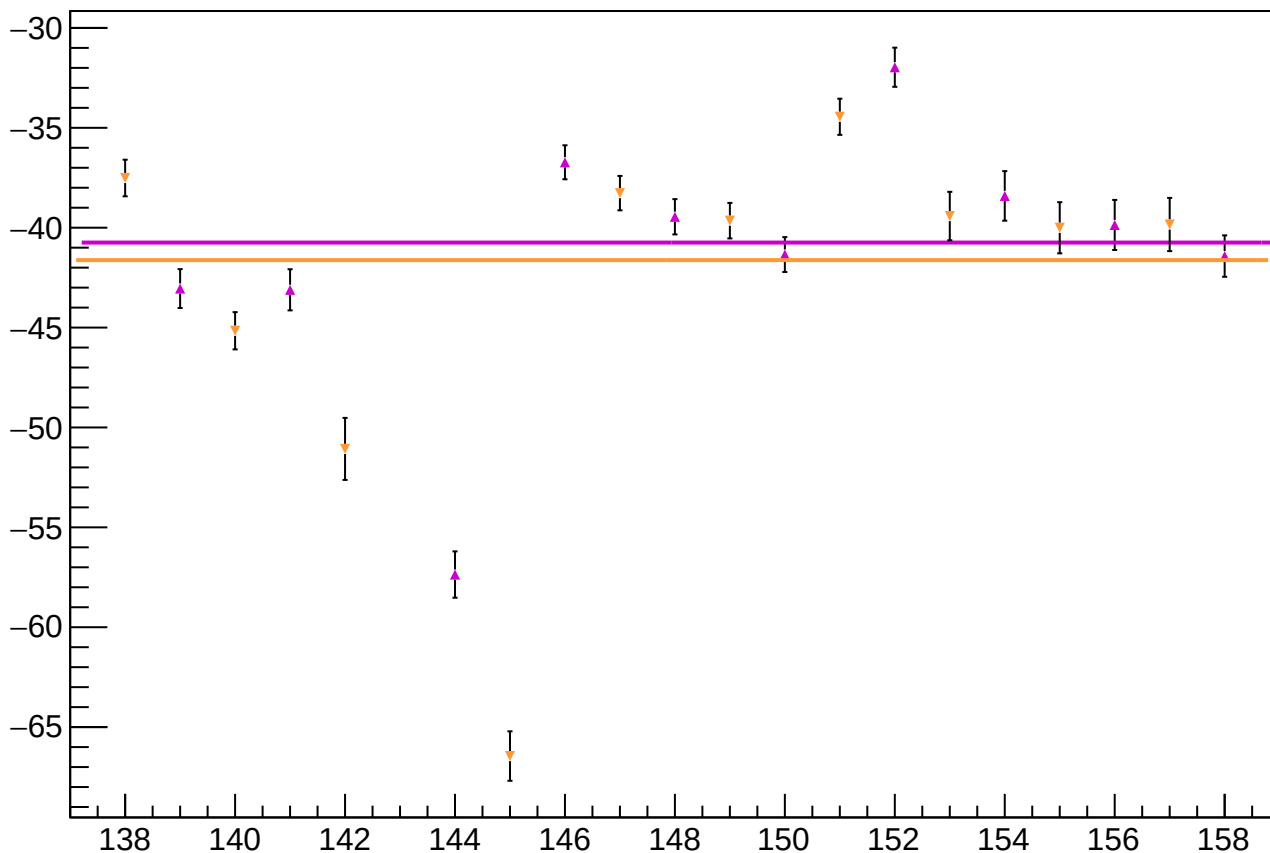
Right Out: -20.928 ± 0.016 $\chi^2/\text{NDF}: 94015.9/18$

Left In: -21.717 ± 0.012 $\chi^2/\text{NDF}: 94291.4/9$

-21.274 ± 0.010 $\chi^2/\text{NDF}: 152087.6/25$

-21.421 ± 0.010 $\chi^2/\text{NDF}: 189885.1/28$

reg_asym_left_dd_diff_bpm1X_slope vs Slug



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

Left Out: -41.622+/-0.332 χ^2/NDF : 562.9/9

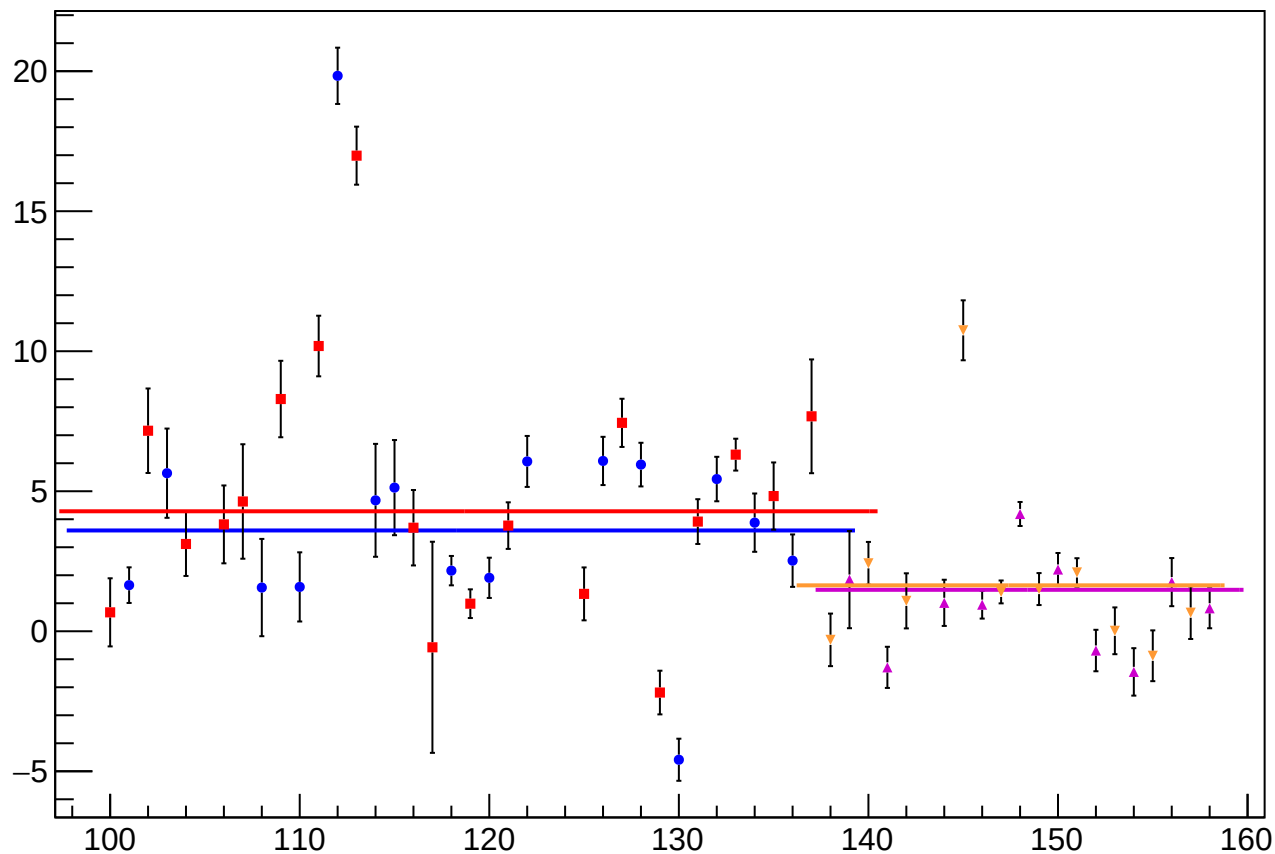
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -40.744+/-0.317 χ^2/NDF : 325.8/9

-41.622+/-0.332 χ^2/NDF : 562.9/9

-40.744+/-0.317 χ^2/NDF : 325.8/9

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.599 ± 0.220 χ^2/NDF : 440.3/15

Left Out: 1.640 ± 0.216 χ^2/NDF : 91.8/9

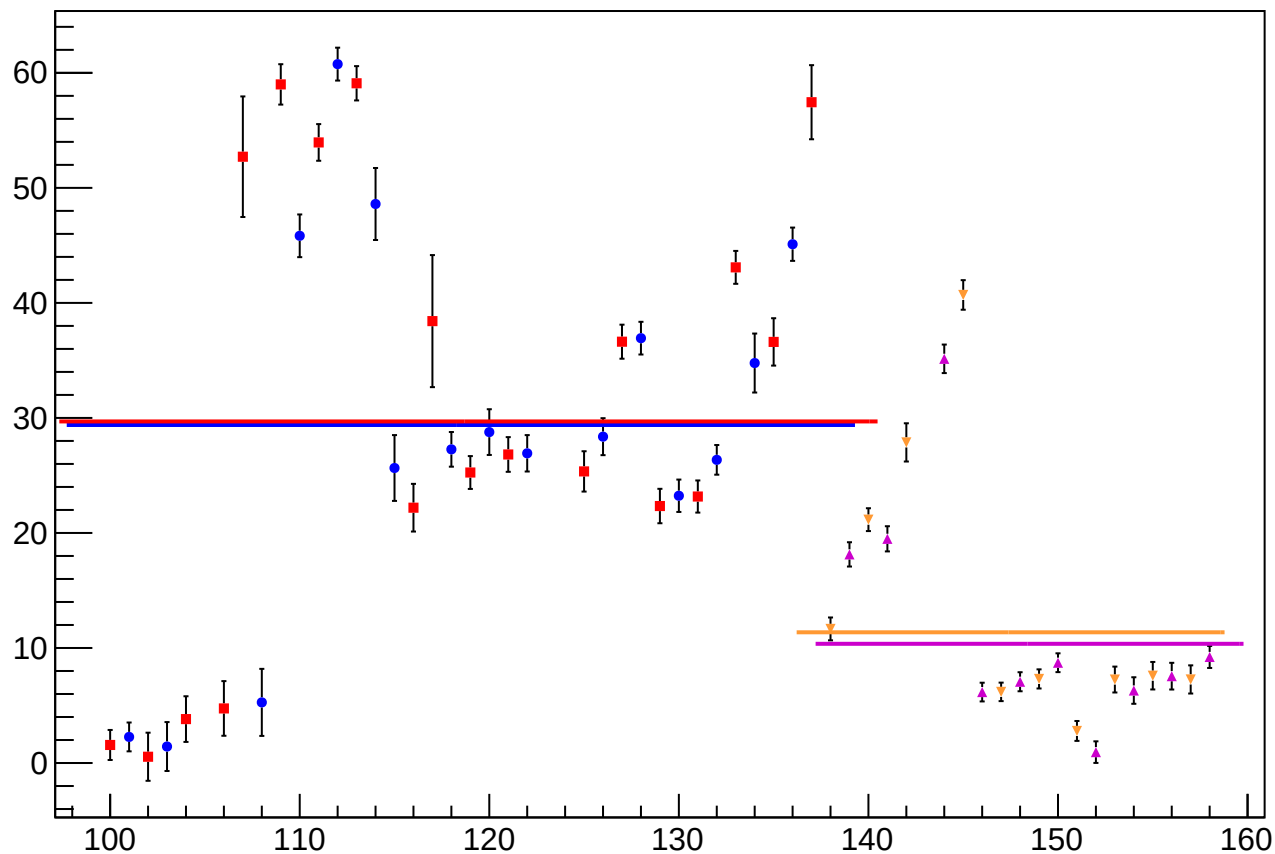
Right Out: 4.284 ± 0.221 χ^2/NDF : 353.8/18

Left In: 1.480 ± 0.211 χ^2/NDF : 78.6/9

2.599 ± 0.154 χ^2/NDF : 572.5/25

2.817 ± 0.152 χ^2/NDF : 517.0/28

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 29.387 ± 0.419 $\chi^2/\text{NDF}: 1488.6/15$

Left Out: 11.363 ± 0.325 $\chi^2/\text{NDF}: 914.7/9$

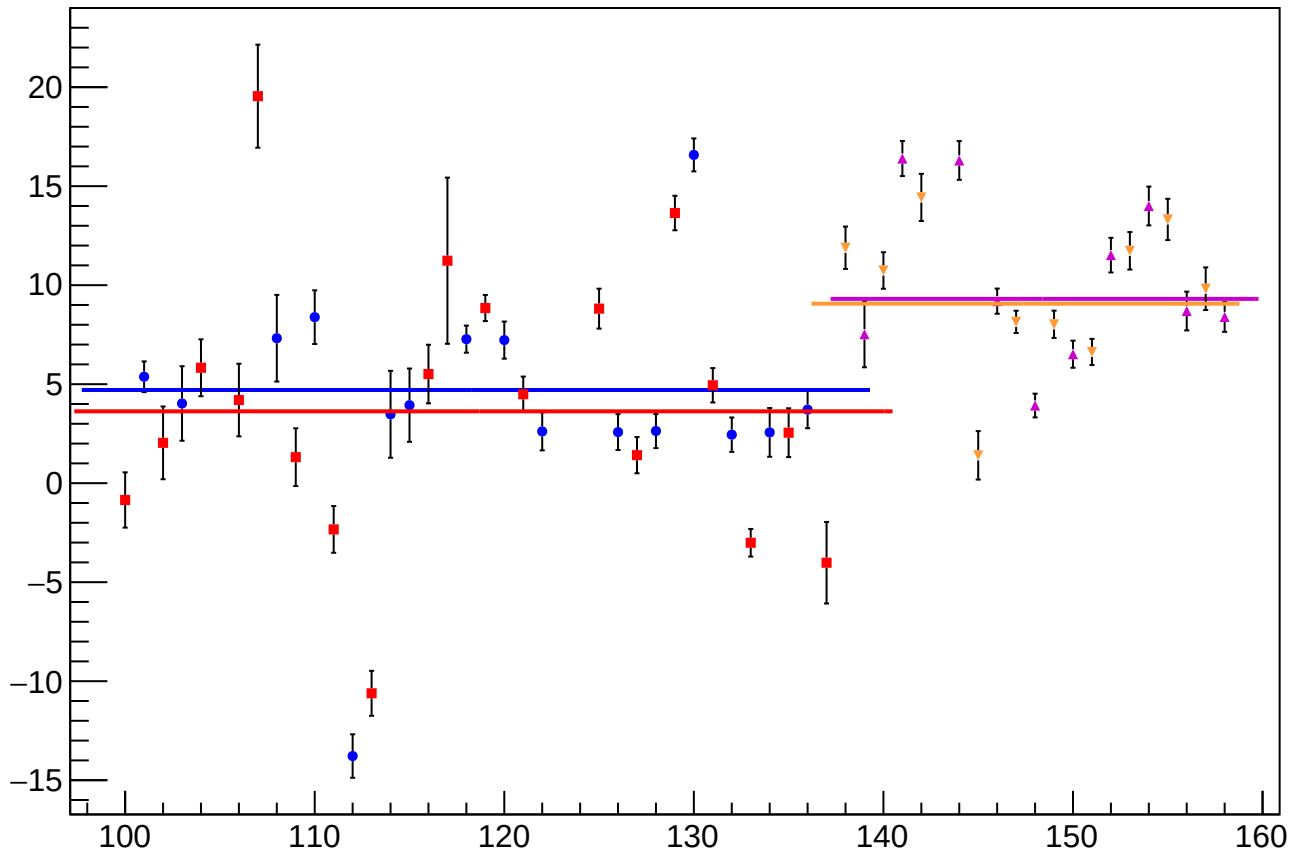
Right Out: 29.695 ± 0.401 $\chi^2/\text{NDF}: 2133.3/18$

Left In: 10.363 ± 0.308 $\chi^2/\text{NDF}: 689.7/9$

18.122 ± 0.257 $\chi^2/\text{NDF}: 3558.4/25$

17.516 ± 0.244 $\chi^2/\text{NDF}: 4284.6/28$

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.706 ± 0.254 $\chi^2/\text{NDF}: 545.2/15$

Left Out: 9.063 ± 0.268 $\chi^2/\text{NDF}: 113.4/9$

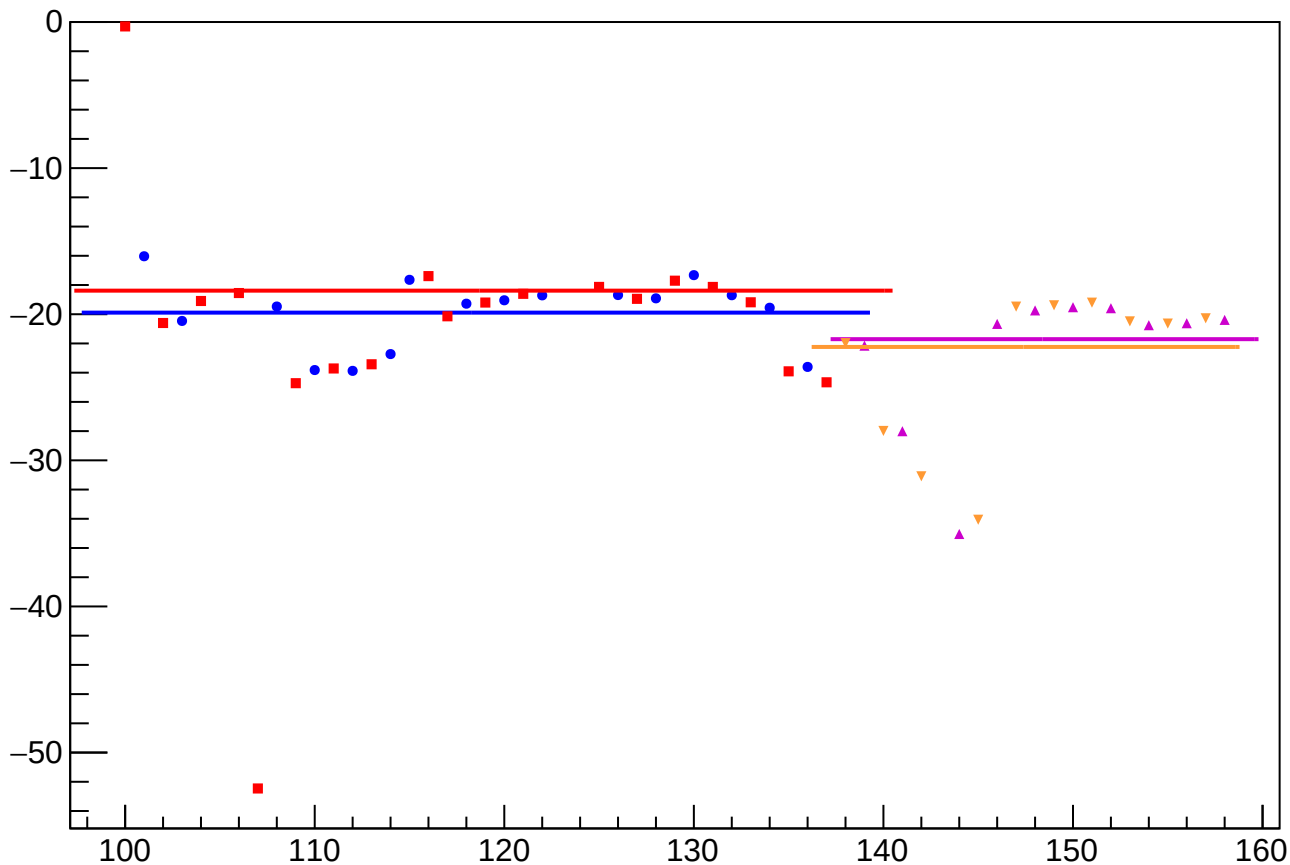
Right Out: 3.629 ± 0.254 $\chi^2/\text{NDF}: 576.7/18$

Left In: 9.307 ± 0.256 $\chi^2/\text{NDF}: 245.1/9$

6.763 ± 0.184 $\chi^2/\text{NDF}: 797.7/25$

6.440 ± 0.180 $\chi^2/\text{NDF}: 1070.0/28$

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.890 ± 0.016 $\chi^2/\text{NDF}: 26044.4/15$

Left Out: -22.239 ± 0.013 $\chi^2/\text{NDF}: 112967.8/9$

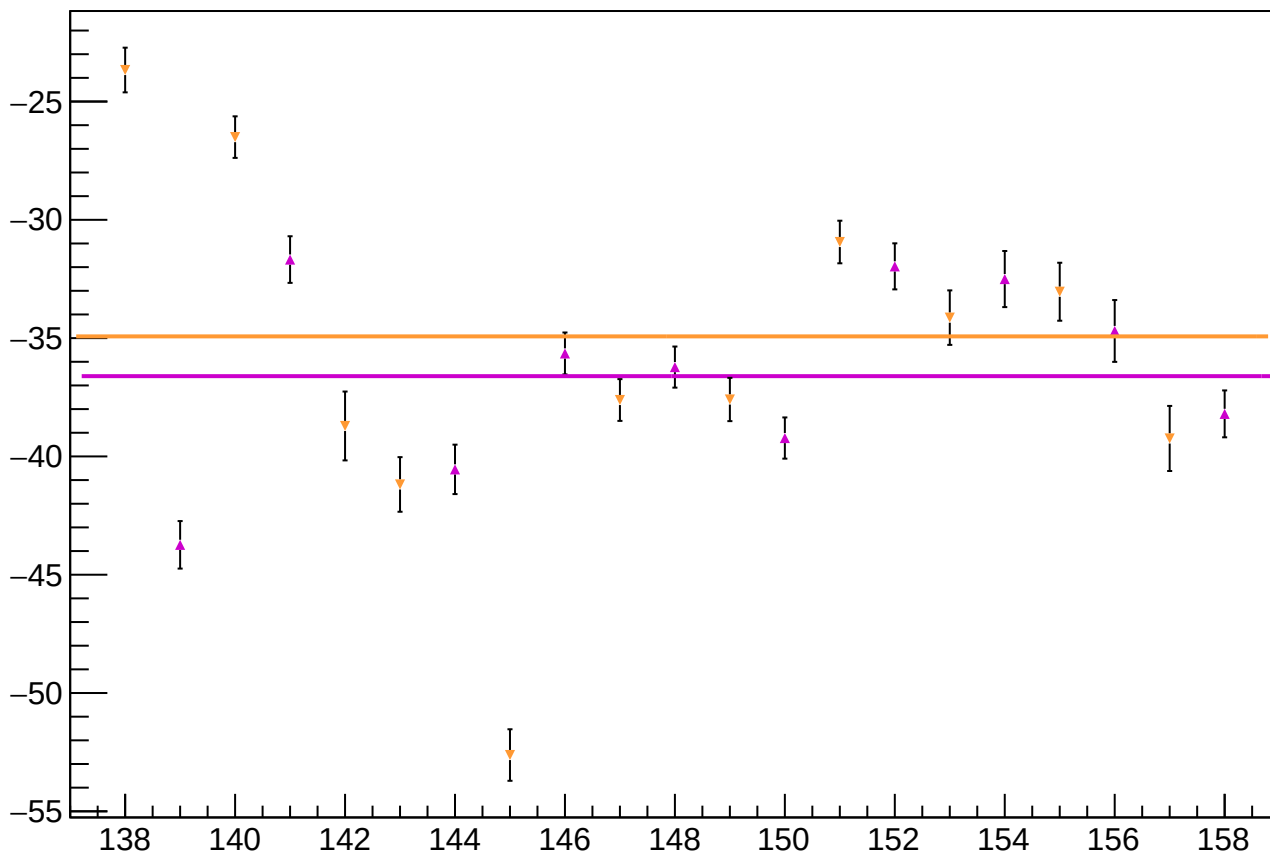
Right Out: -18.386 ± 0.015 $\chi^2/\text{NDF}: 301044.3/18$

Left In: -21.706 ± 0.012 $\chi^2/\text{NDF}: 94238.5/9$

-21.264 ± 0.010 $\chi^2/\text{NDF}: 152206.0/25$

-20.359 ± 0.009 $\chi^2/\text{NDF}: 425509.3/28$

reg_asym_right_avg_diff_bpm1X_slope vs Slug



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

Left Out: -34.927+/-0.314 χ^2/NDF : 584.3/10

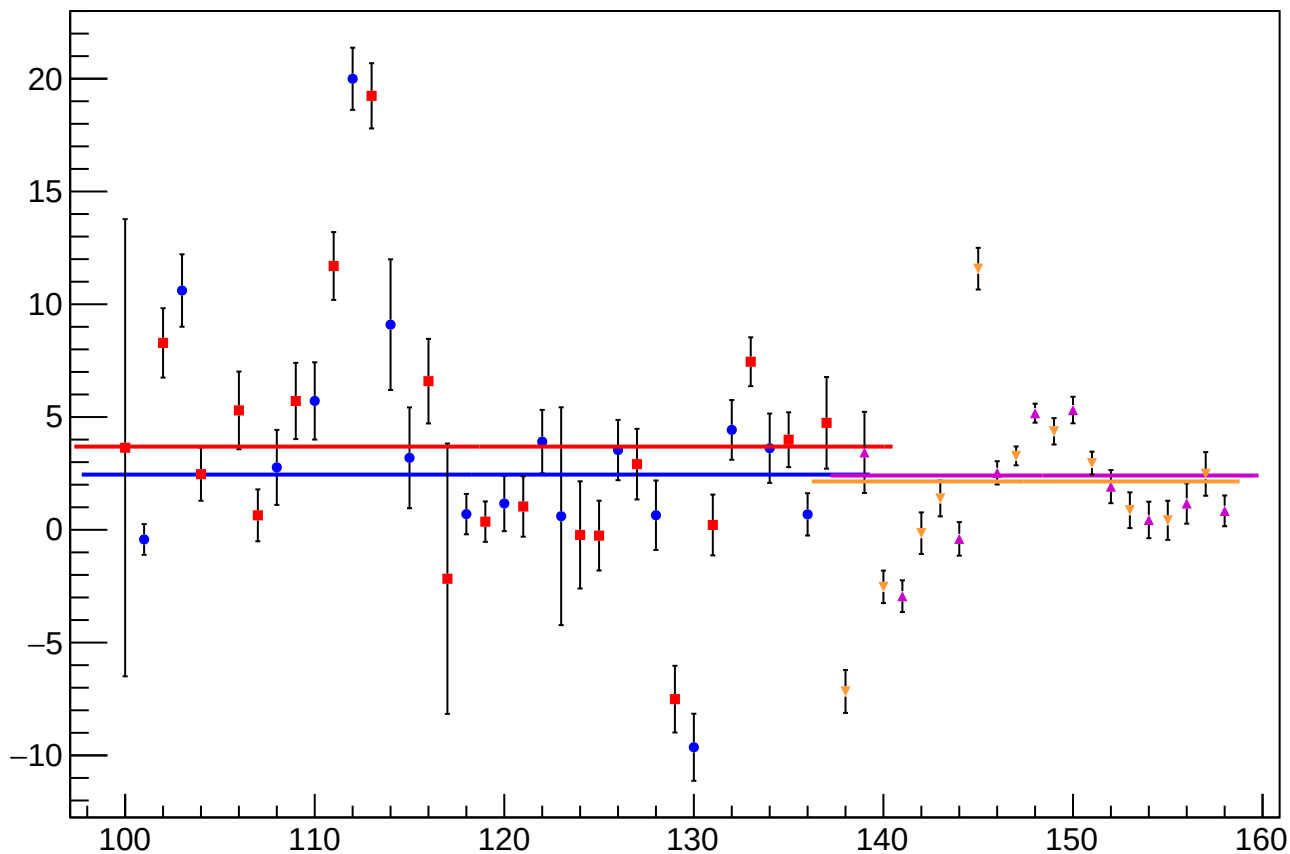
-34.927+/-0.314 χ^2/NDF : 584.3/10

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

Left In: -36.607+/-0.313 χ^2/NDF : 139.5/9

-36.607+/-0.313 χ^2/NDF : 139.5/9

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.449 ± 0.314 χ^2/NDF : 295.3/16

Left Out: 2.144 ± 0.206 χ^2/NDF : 280.3/10

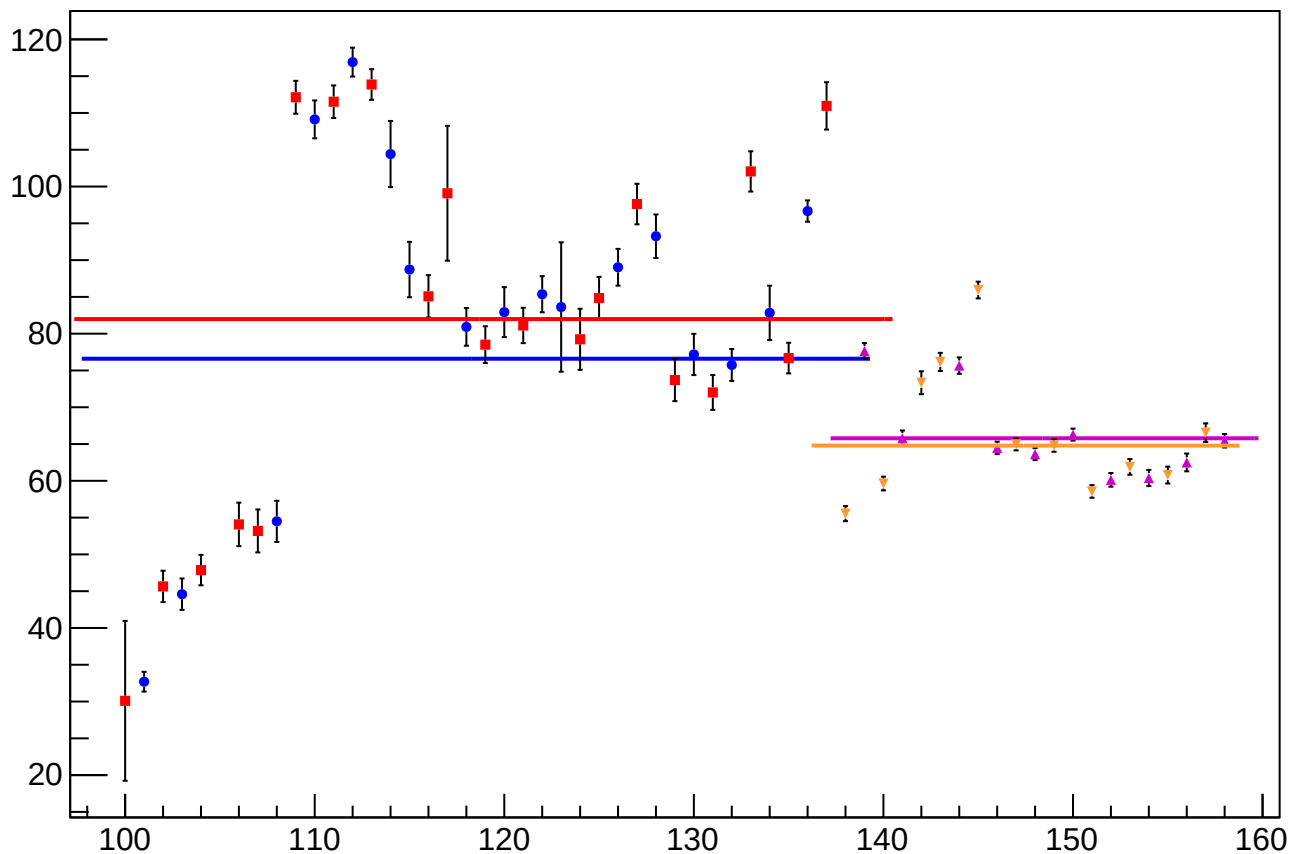
Right Out: 3.690 ± 0.326 χ^2/NDF : 270.4/19

Left In: 2.408 ± 0.208 χ^2/NDF : 153.5/9

2.236 ± 0.173 χ^2/NDF : 576.2/27

2.778 ± 0.175 χ^2/NDF : 434.9/29

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.598 $\pm$ 0.576 χ^2/NDF : 2255.1/16

Left Out: 64.788 $\pm$ 0.310 χ^2/NDF : 647.0/10

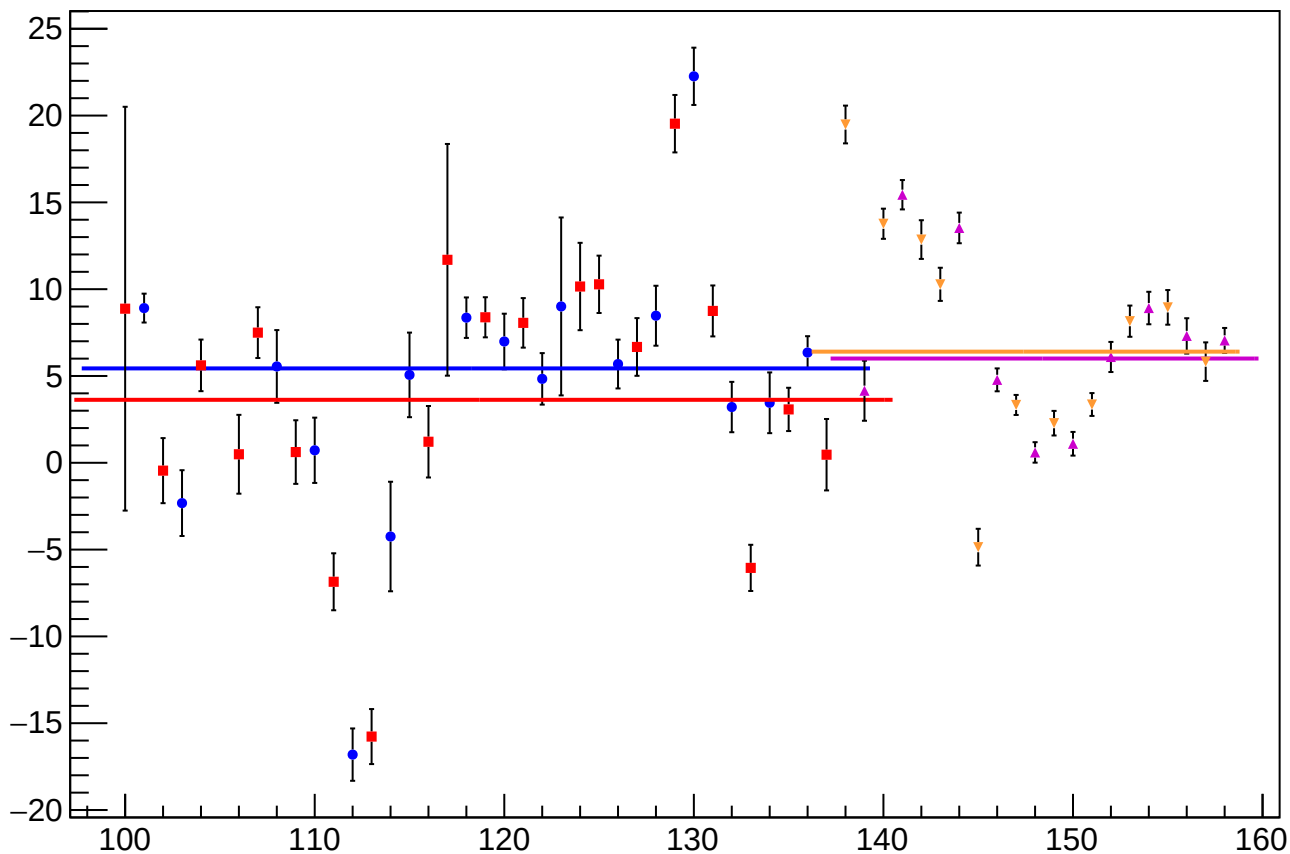
Right Out: 81.987 $\pm$ 0.591 χ^2/NDF : 1574.2/19

Left In: 65.784 $\pm$ 0.304 χ^2/NDF : 274.8/9

67.441 $\pm$ 0.273 χ^2/NDF : 3228.0/27

69.175 $\pm$ 0.270 χ^2/NDF : 2443.7/29

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.436 ± 0.360 χ^2/NDF : 387.2/16

Left Out: 6.402 ± 0.255 χ^2/NDF : 473.9/10

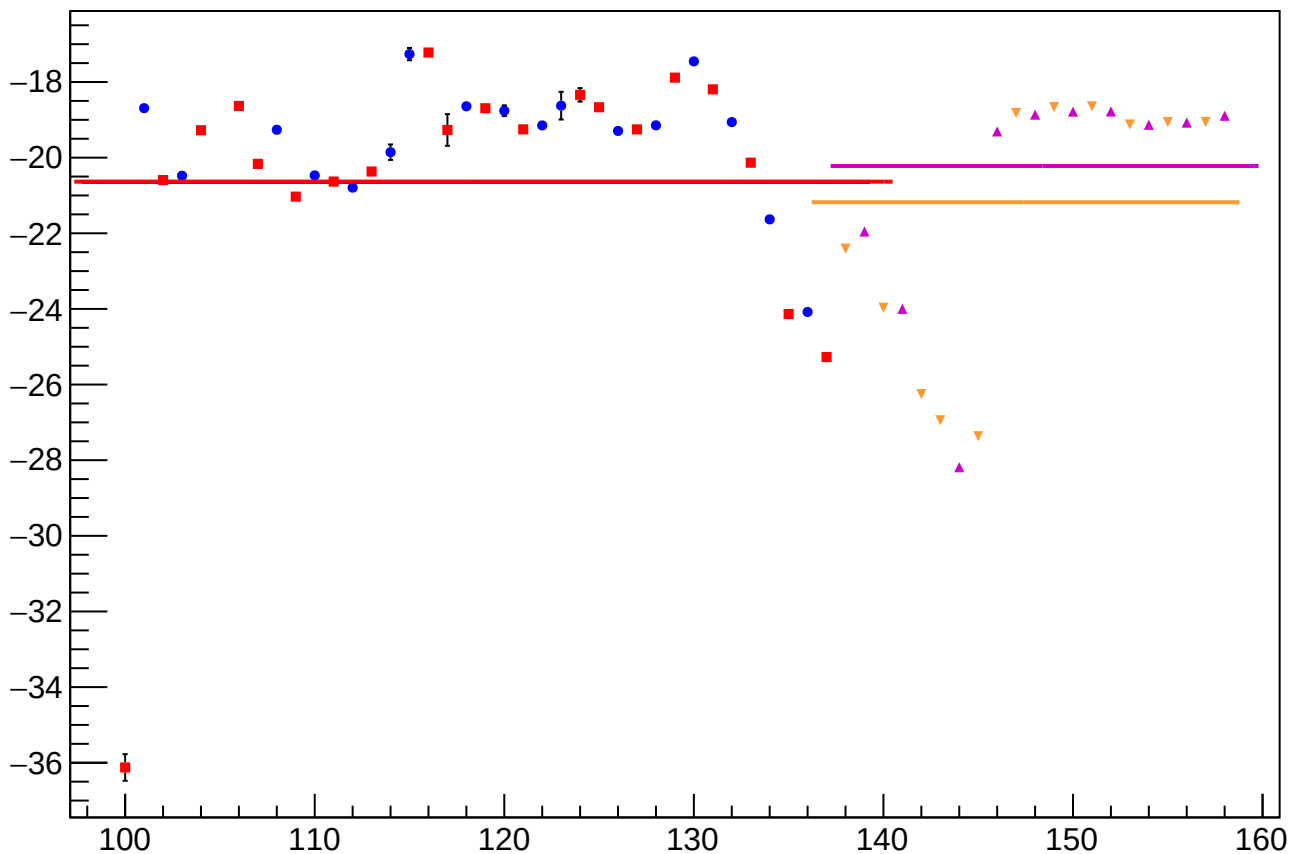
Right Out: 3.628 ± 0.374 χ^2/NDF : 424.8/19

Left In: 6.005 ± 0.252 χ^2/NDF : 351.1/9

6.079 ± 0.208 χ^2/NDF : 865.9/27

5.263 ± 0.209 χ^2/NDF : 803.6/29

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.642 ± 0.019 χ^2/NDF : 12431.5/16

Left Out: -21.179 ± 0.013 χ^2/NDF : 65859.9/10

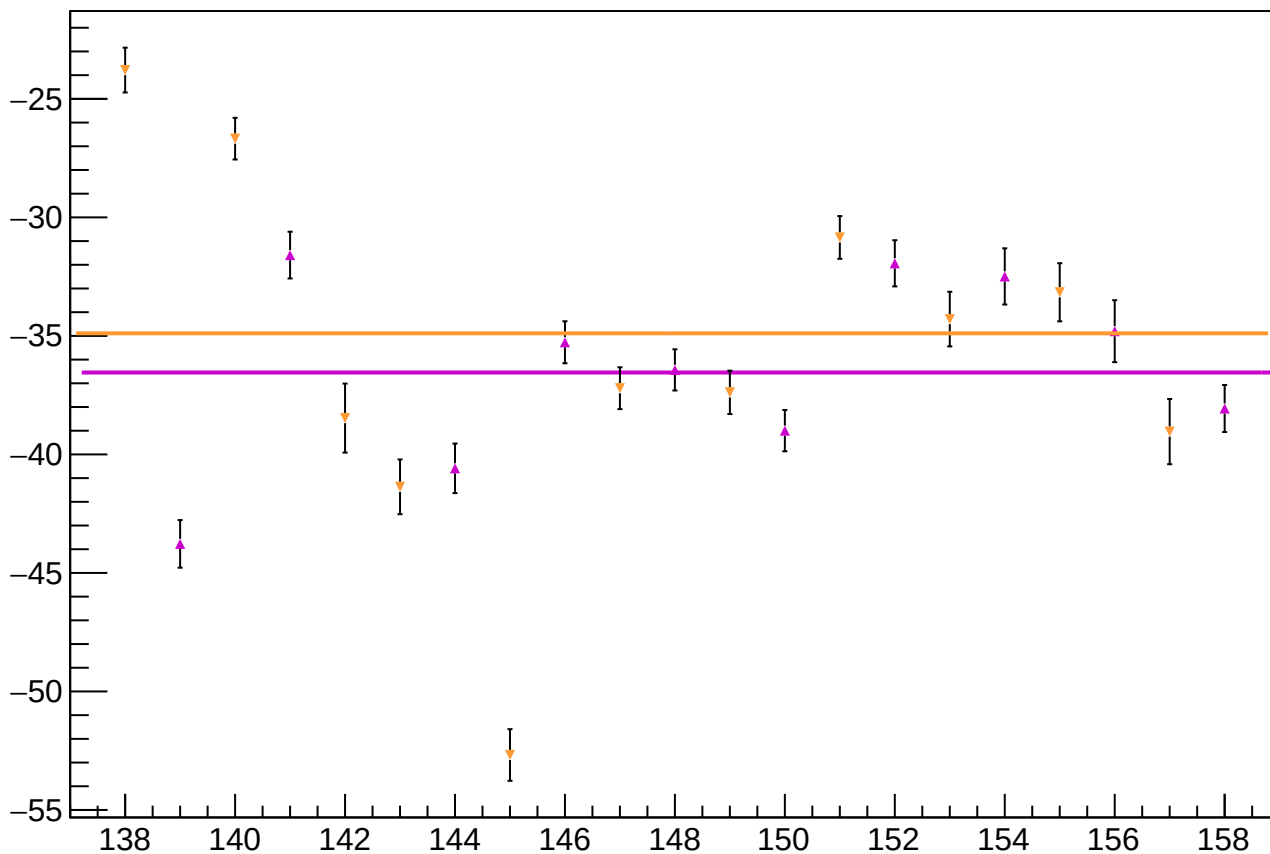
Right Out: -20.635 ± 0.019 χ^2/NDF : 13794.0/19

Left In: -20.221 ± 0.012 χ^2/NDF : 45075.1/9

-21.020 ± 0.011 χ^2/NDF : 78833.8/27

-20.336 ± 0.010 χ^2/NDF : 59197.5/29

reg_asym_right_dd_diff_bpm1X_slope vs Slug



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

Left Out: -34.891+/-0.314 χ^2/NDF : 575.1/10

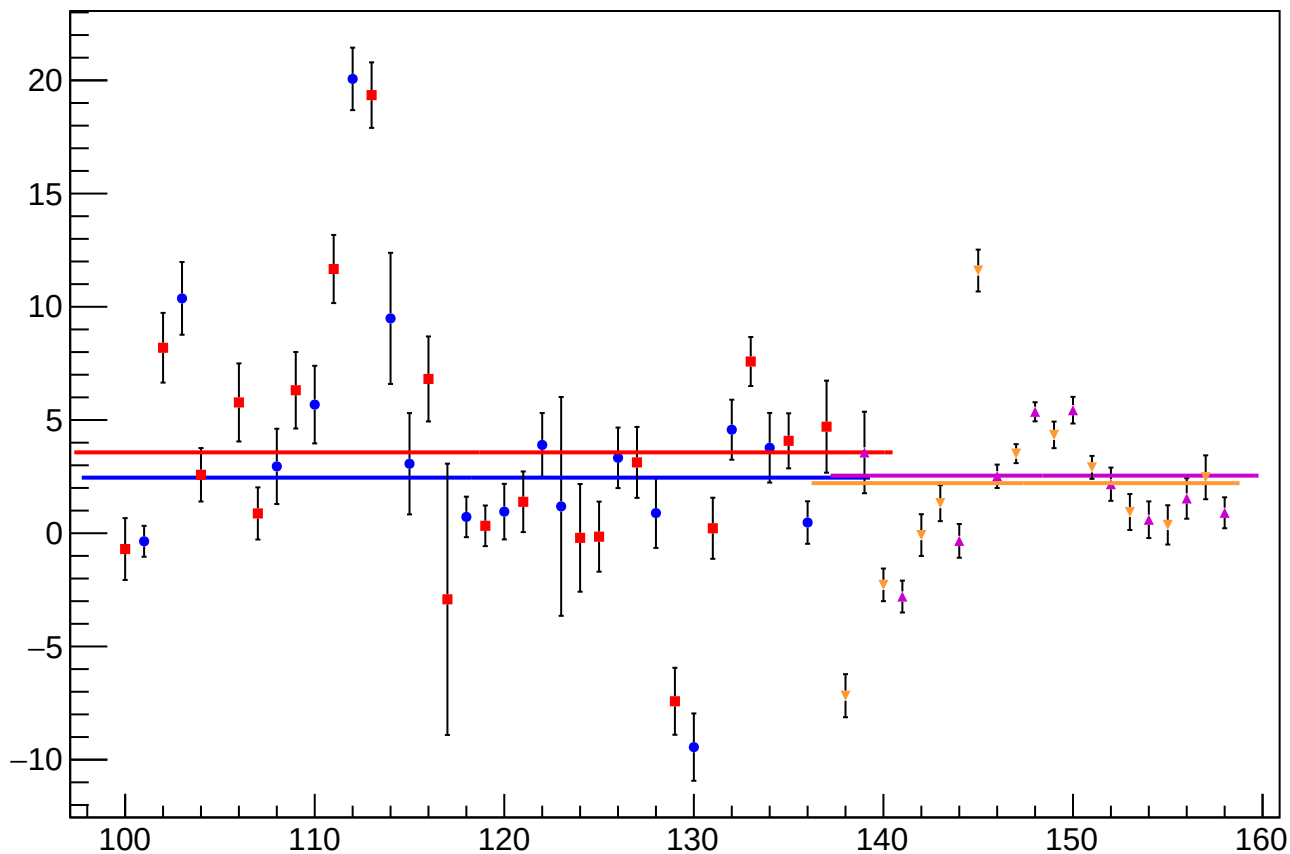
-34.891+/-0.314 χ^2/NDF : 575.1/10

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

Left In: -36.545+/-0.313 χ^2/NDF : 140.1/9

-36.545+/-0.313 χ^2/NDF : 140.1/9

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.455 ± 0.315 χ^2/NDF : 293.5/16

Left Out: 2.213 ± 0.206 χ^2/NDF : 278.7/10

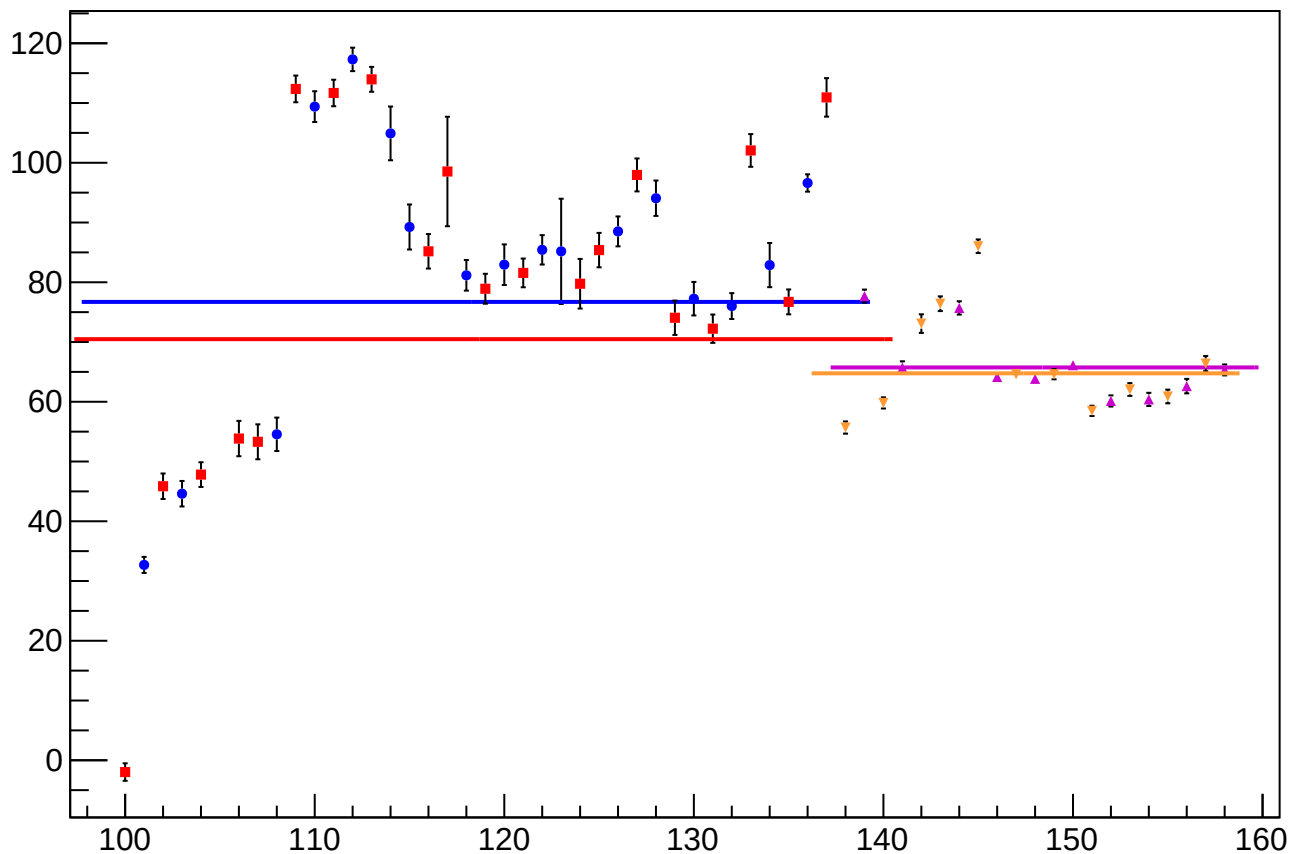
Right Out: 3.571 ± 0.317 χ^2/NDF : 281.0/19

Left In: 2.544 ± 0.208 χ^2/NDF : 154.9/9

2.286 ± 0.173 χ^2/NDF : 572.6/27

2.852 ± 0.174 χ^2/NDF : 443.2/29

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.713 ± 0.576 χ^2/NDF : 2266.6/16

Left Out: 64.758 ± 0.310 χ^2/NDF : 646.5/10

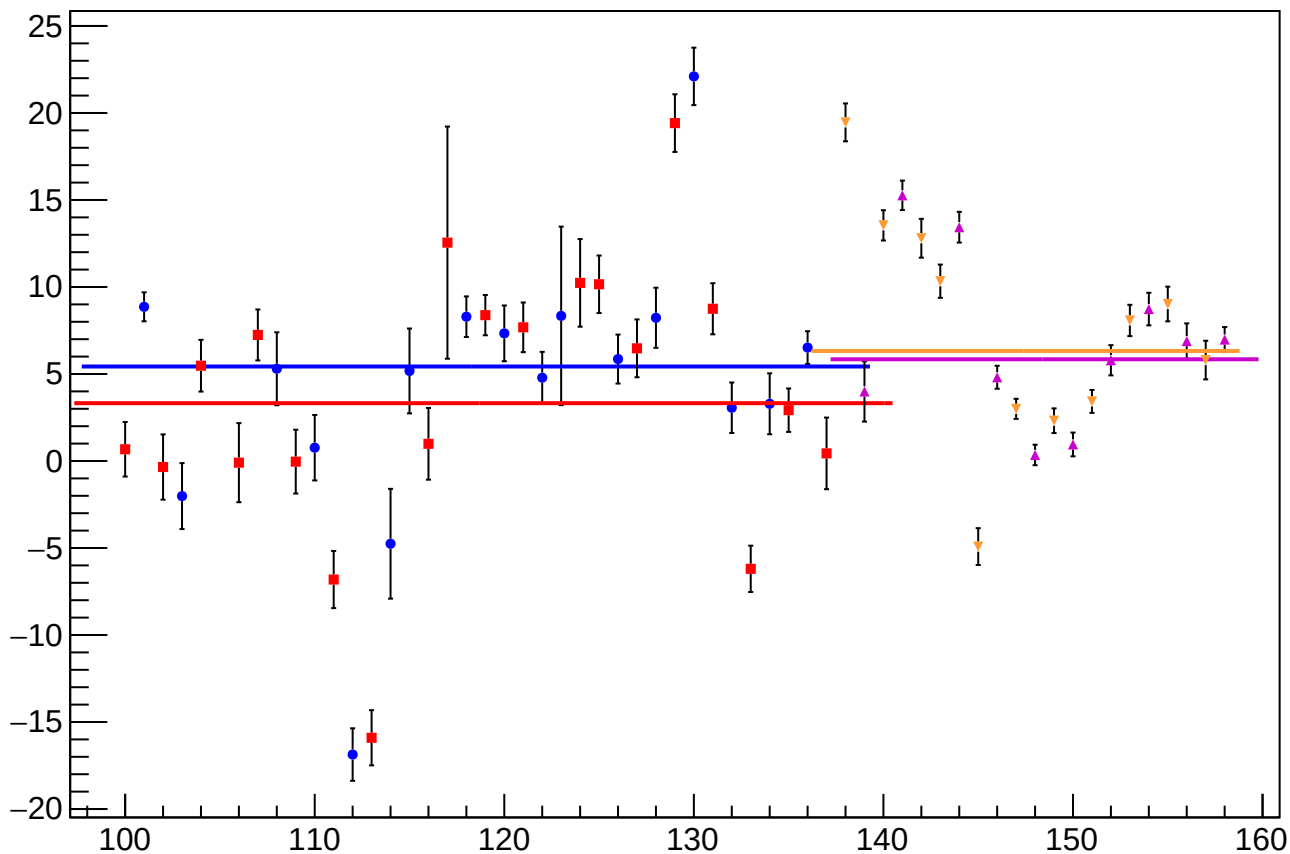
Right Out: 70.477 ± 0.549 χ^2/NDF : 4400.1/19

Left In: 65.745 ± 0.304 χ^2/NDF : 275.4/9

67.444 ± 0.273 χ^2/NDF : 3246.6/27

66.857 ± 0.266 χ^2/NDF : 4732.3/29

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.430 ± 0.361 $\chi^2/\text{NDF}: 385.9/16$

6.025 ± 0.209 $\chi^2/\text{NDF}: 864.4/27$

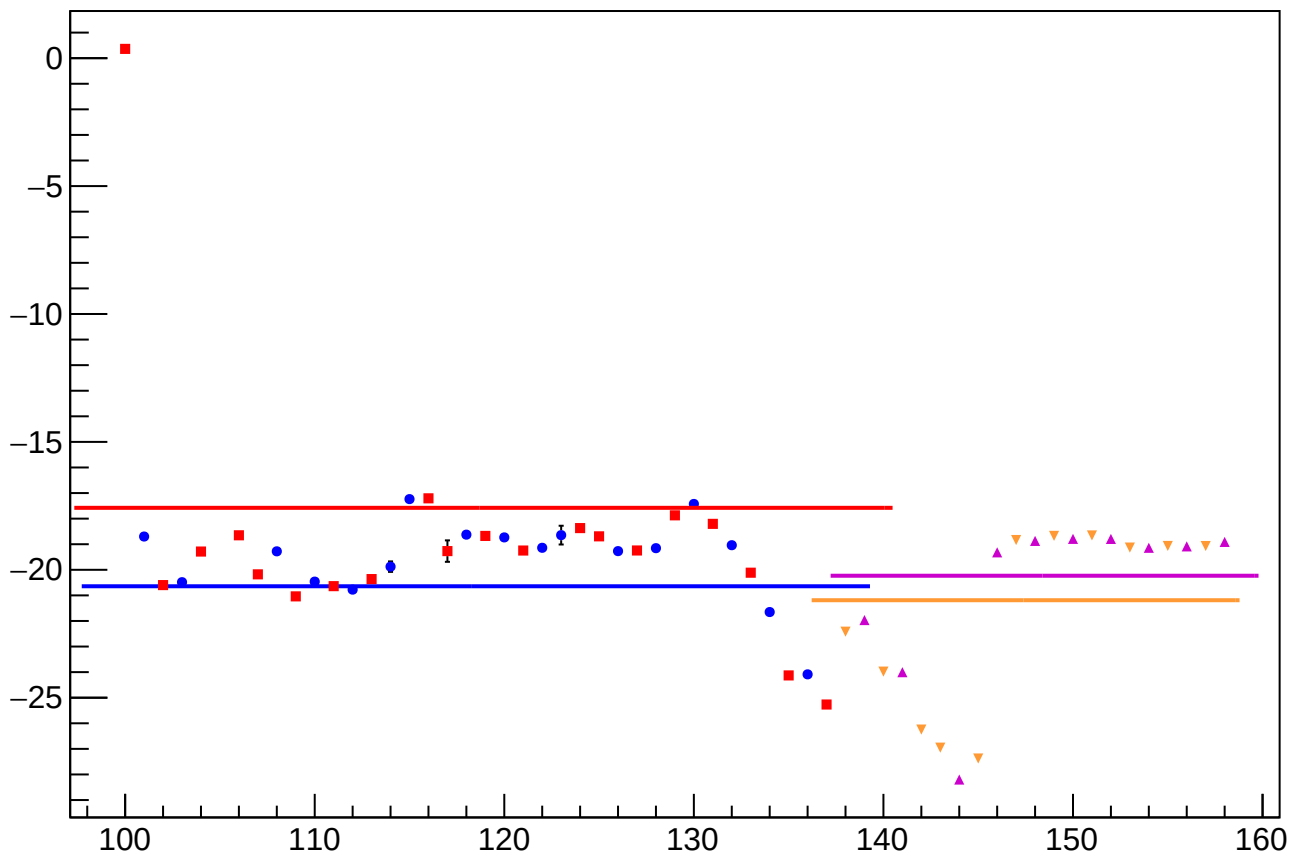
Left Out: 6.323 ± 0.256 $\chi^2/\text{NDF}: 474.5/10$

5.028 ± 0.208 $\chi^2/\text{NDF}: 813.2/29$

Right Out: 3.323 ± 0.365 $\chi^2/\text{NDF}: 428.0/19$

Left In: 5.845 ± 0.252 $\chi^2/\text{NDF}: 352.8/9$

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.643 ± 0.019 $\chi^2/\text{NDF}: 12468.6/16$

Left Out: -21.189 ± 0.013 $\chi^2/\text{NDF}: 65702.6/10$

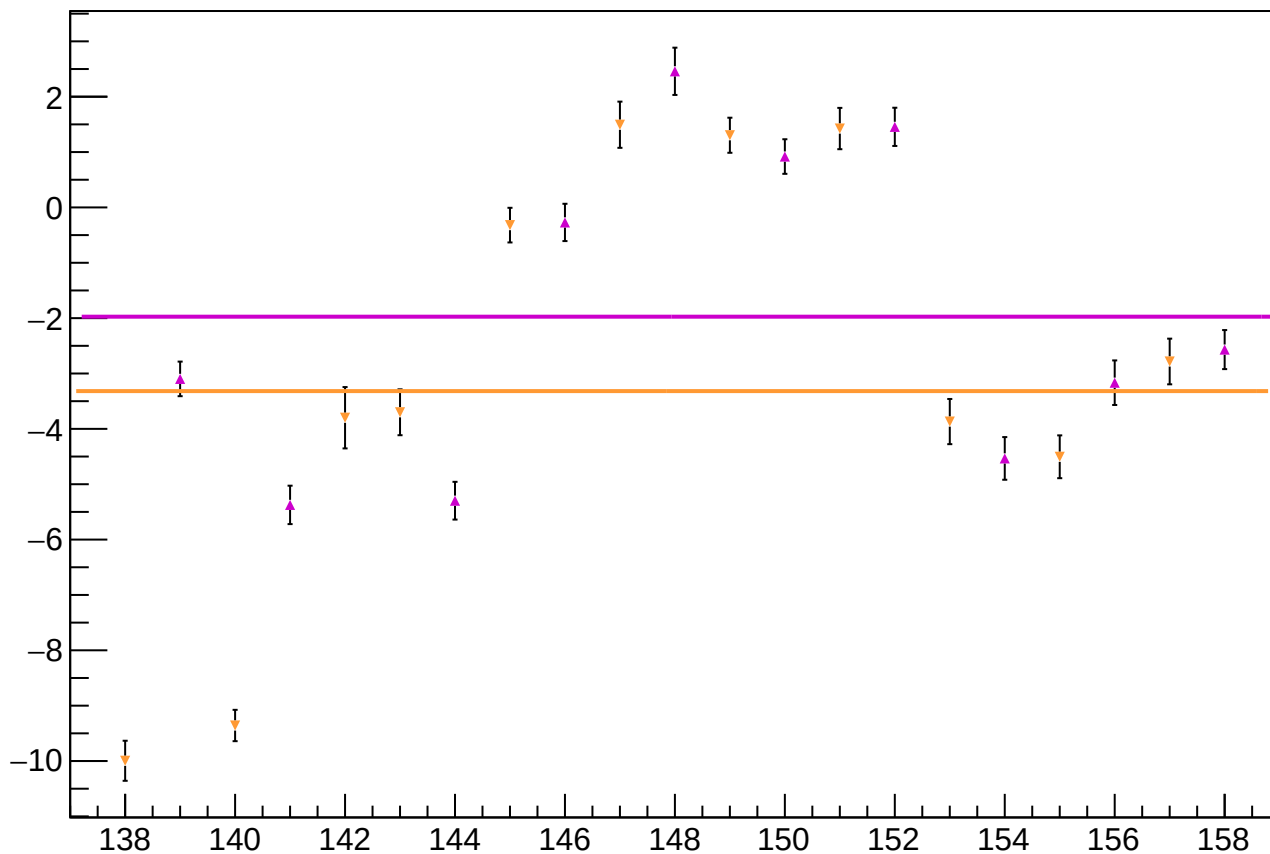
Right Out: -17.577 ± 0.018 $\chi^2/\text{NDF}: 178343.3/19$

Left In: -20.232 ± 0.012 $\chi^2/\text{NDF}: 45004.2/9$

-21.027 ± 0.011 $\chi^2/\text{NDF}: 78731.4/27$

-19.412 ± 0.010 $\chi^2/\text{NDF}: 238355.8/29$

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



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

Left Out: -3.318+/-0.111 χ^2/NDF : 1410.2/10

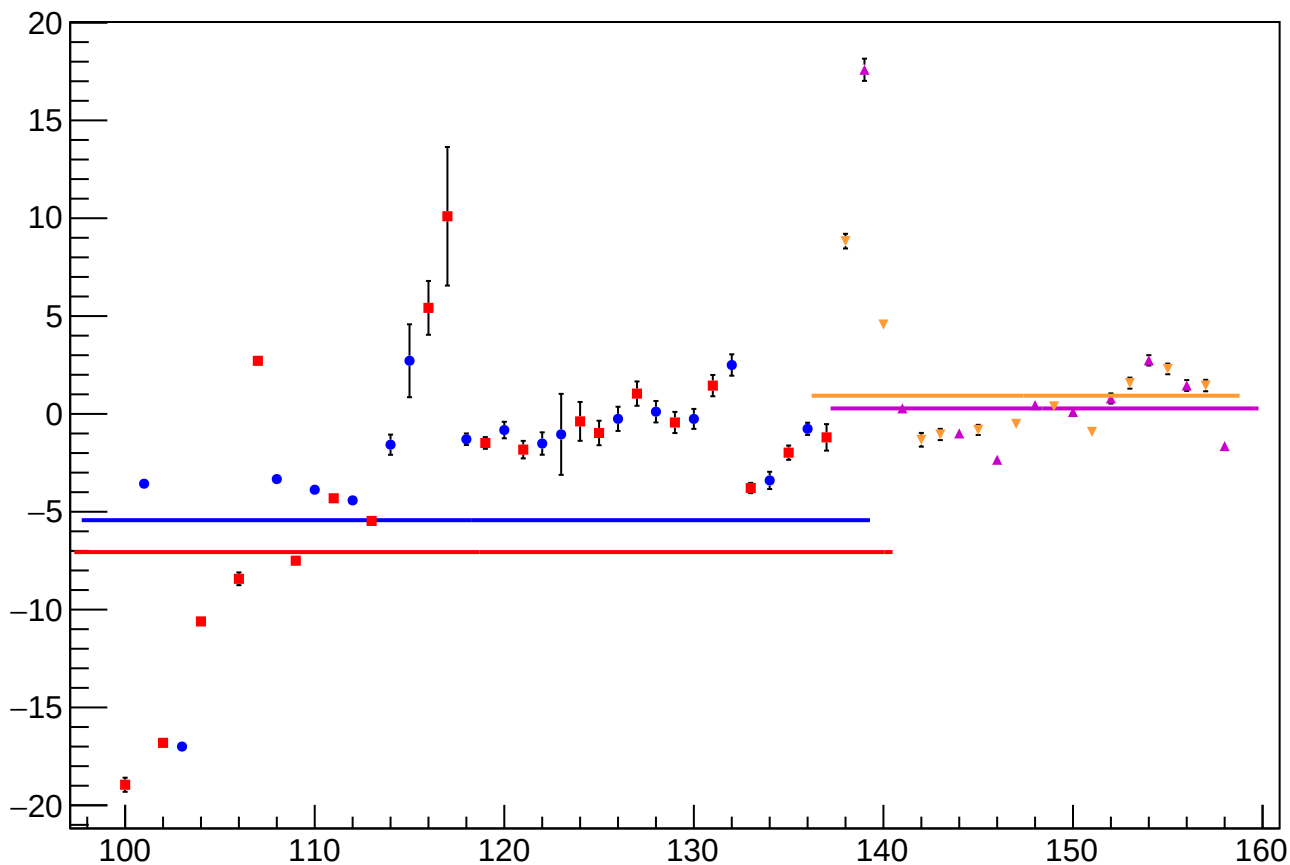
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -1.974+/-0.111 χ^2/NDF : 577.6/9

-3.318+/-0.111 χ^2/NDF : 1410.2/10

-1.974+/-0.111 χ^2/NDF : 577.6/9

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -5.431+/-0.055 χ^2/NDF : 9233.8/16

-3.304+/-0.045 χ^2/NDF : 14708.5/27

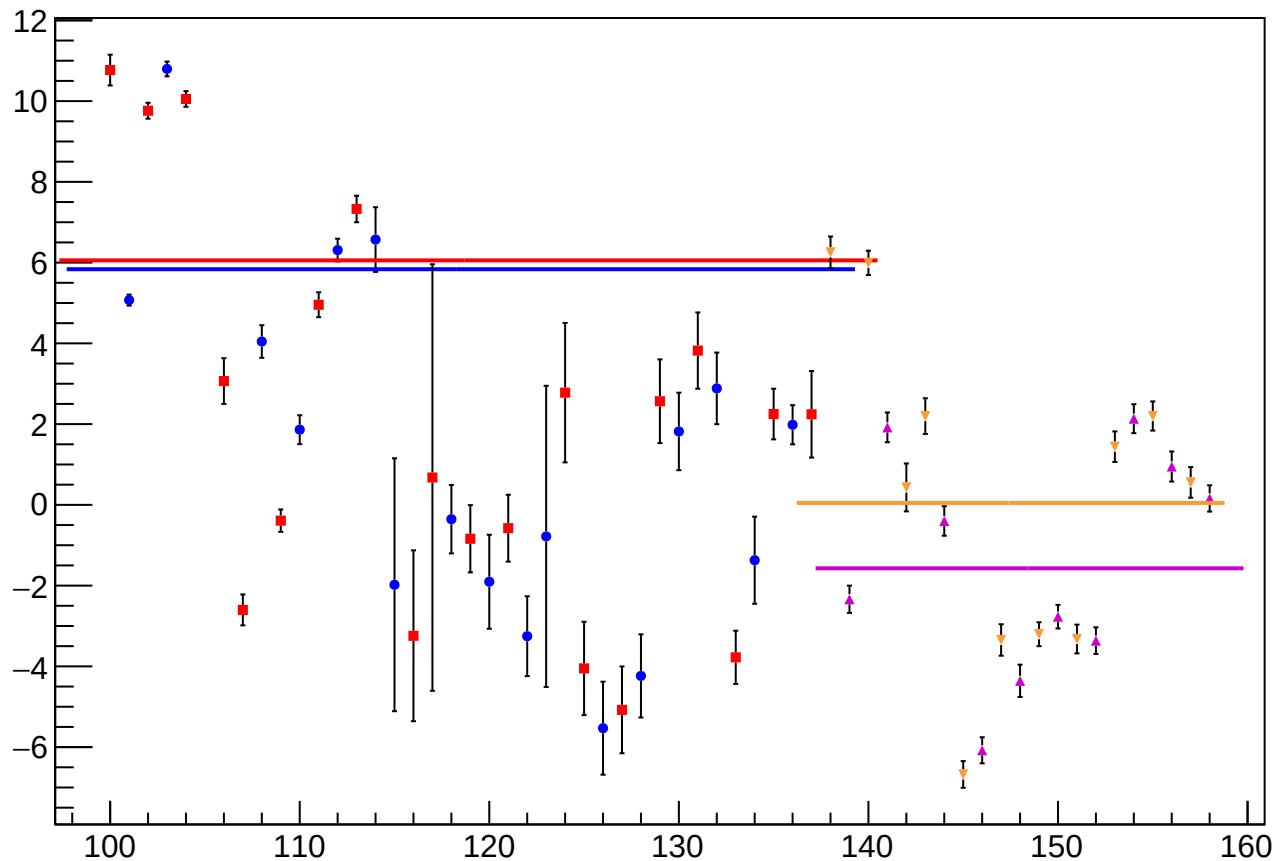
Left Out: 0.931+/-0.077 χ^2/NDF : 980.0/10

Right Out: -7.061+/-0.059 χ^2/NDF : 12330.1/19

-4.416+/-0.047 χ^2/NDF : 19185.0/29

Left In: 0.280+/-0.079 χ^2/NDF : 1280.9/9

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: 0.048 $\pm$ 0.110 χ^2/NDF : 1413.8/10

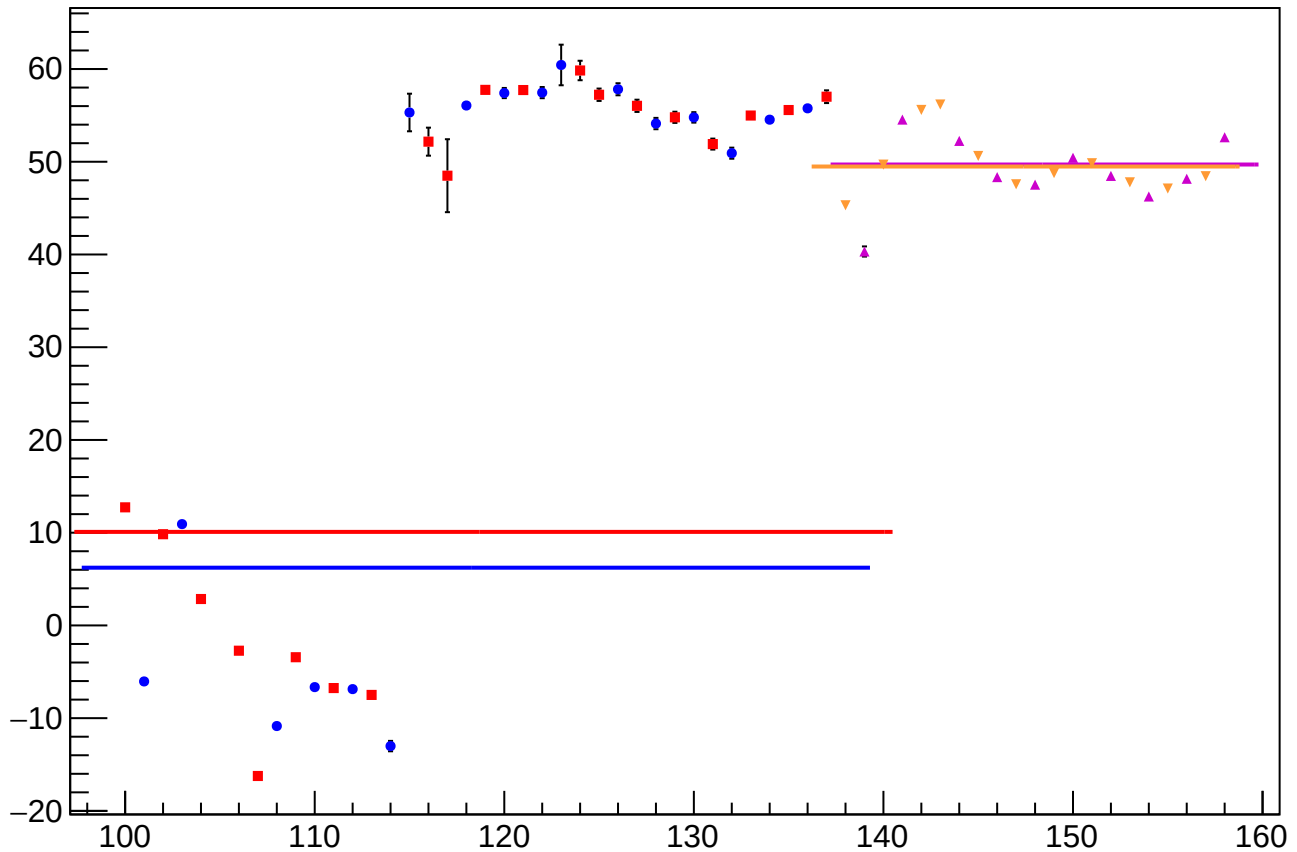
Right Out: 6.056 $\pm$ 0.093 χ^2/NDF : 2669.9/19

Left In: -1.572 $\pm$ 0.109 χ^2/NDF : 575.5/9

3.536 $\pm$ 0.070 χ^2/NDF : 4511.2/27

2.817 $\pm$ 0.071 χ^2/NDF : 6082.8/29

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: 49.486 $\pm$ 0.094 χ^2 /NDF:850.7/10

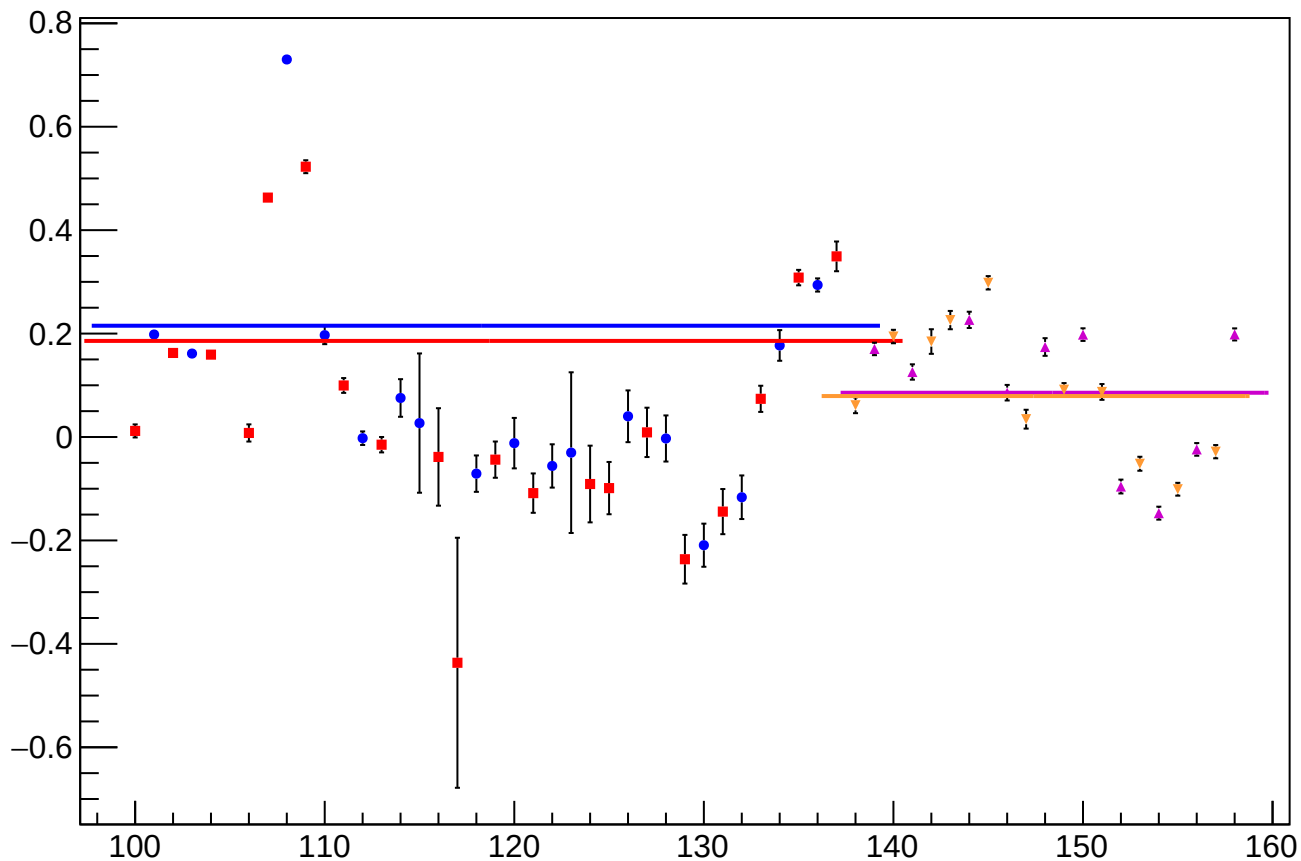
Right Out: 10.087 $\pm$ 0.070 χ^2 /NDF: 122144.7/19

Left In: 49.702 $\pm$ 0.093 χ^2 /NDF:1025.4/9

20.263 $\pm$ 0.053 χ^2 /NDF: 266284.0/27

24.357 $\pm$ 0.056 χ^2 /NDF: 239448.6/29

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: 0.079 $\pm$ 0.004 χ^2 /NDF: 834.9/10

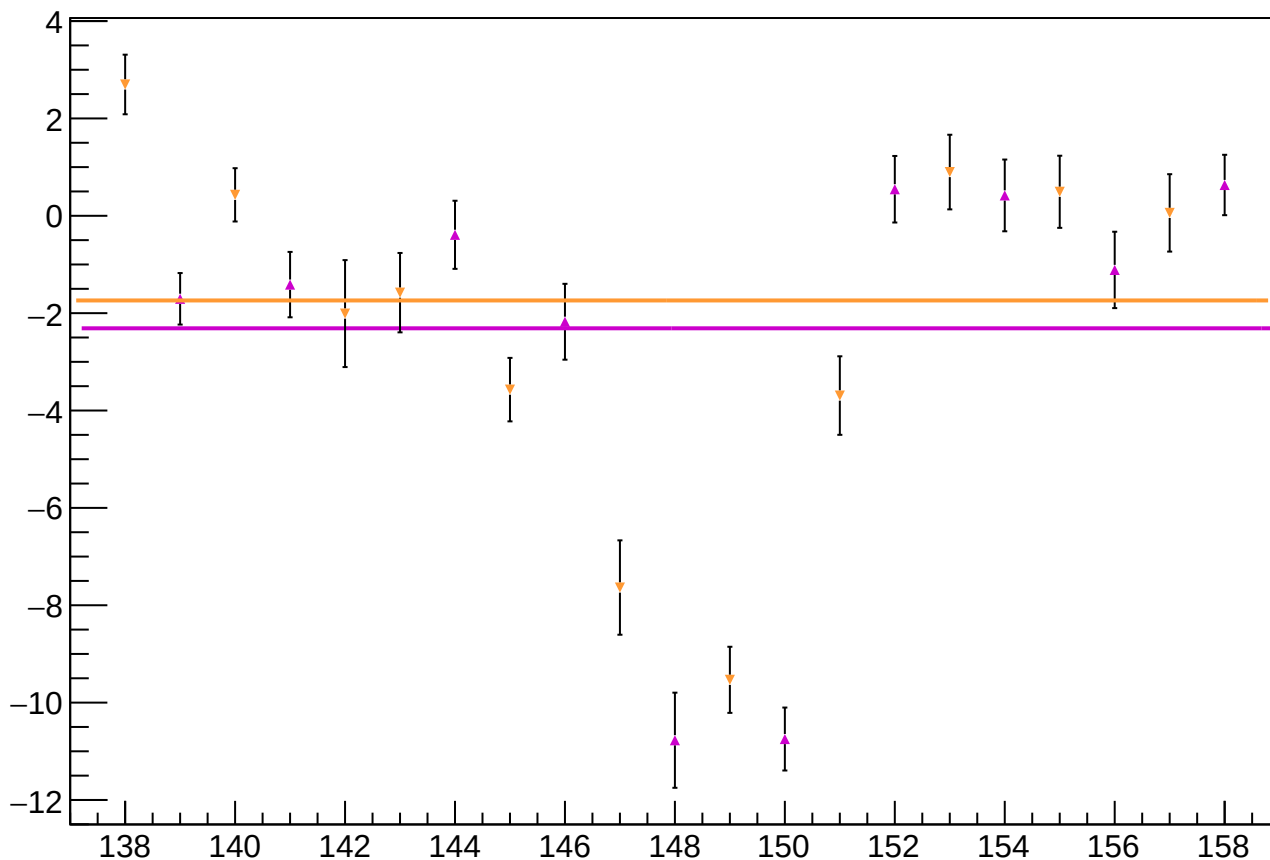
Right Out: 0.186 $\pm$ 0.003 χ^2 /NDF: 2724.7/19

Left In: 0.086 $\pm$ 0.004 χ^2 /NDF: 948.8/9

0.176 $\pm$ 0.002 χ^2 /NDF: 5452.3/27

0.157 $\pm$ 0.002 χ^2 /NDF: 4073.5/29

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



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

Left Out: -1.739+/-0.221 χ^2/NDF : 276.8/10

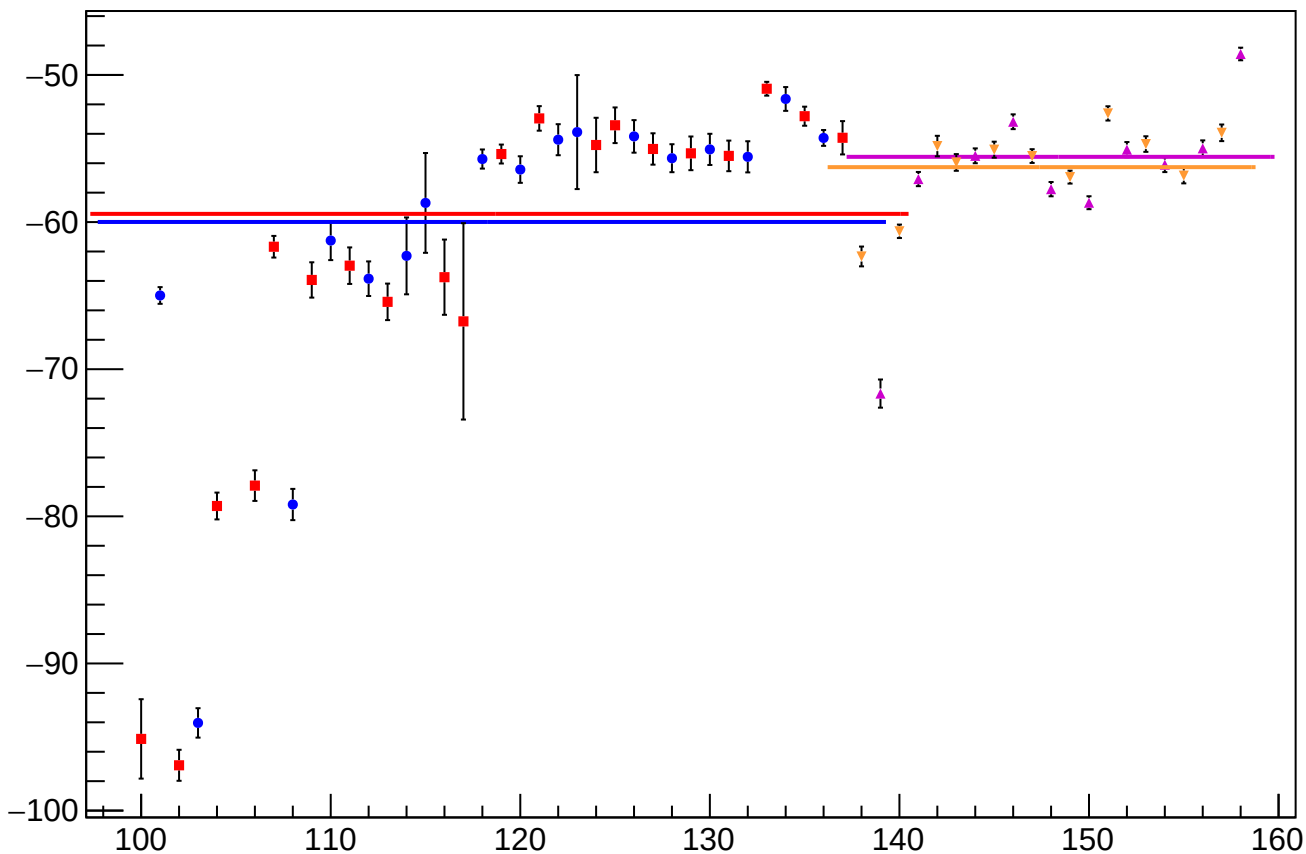
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -2.311+/-0.218 χ^2/NDF : 312.0/9

-1.739+/-0.221 χ^2/NDF : 276.8/10

-2.311+/-0.218 χ^2/NDF : 312.0/9

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -59.992 ± 0.225 $\chi^2/\text{NDF}: 1972.9/16$

Left Out: -56.267 ± 0.158 $\chi^2/\text{NDF}: 270.2/10$

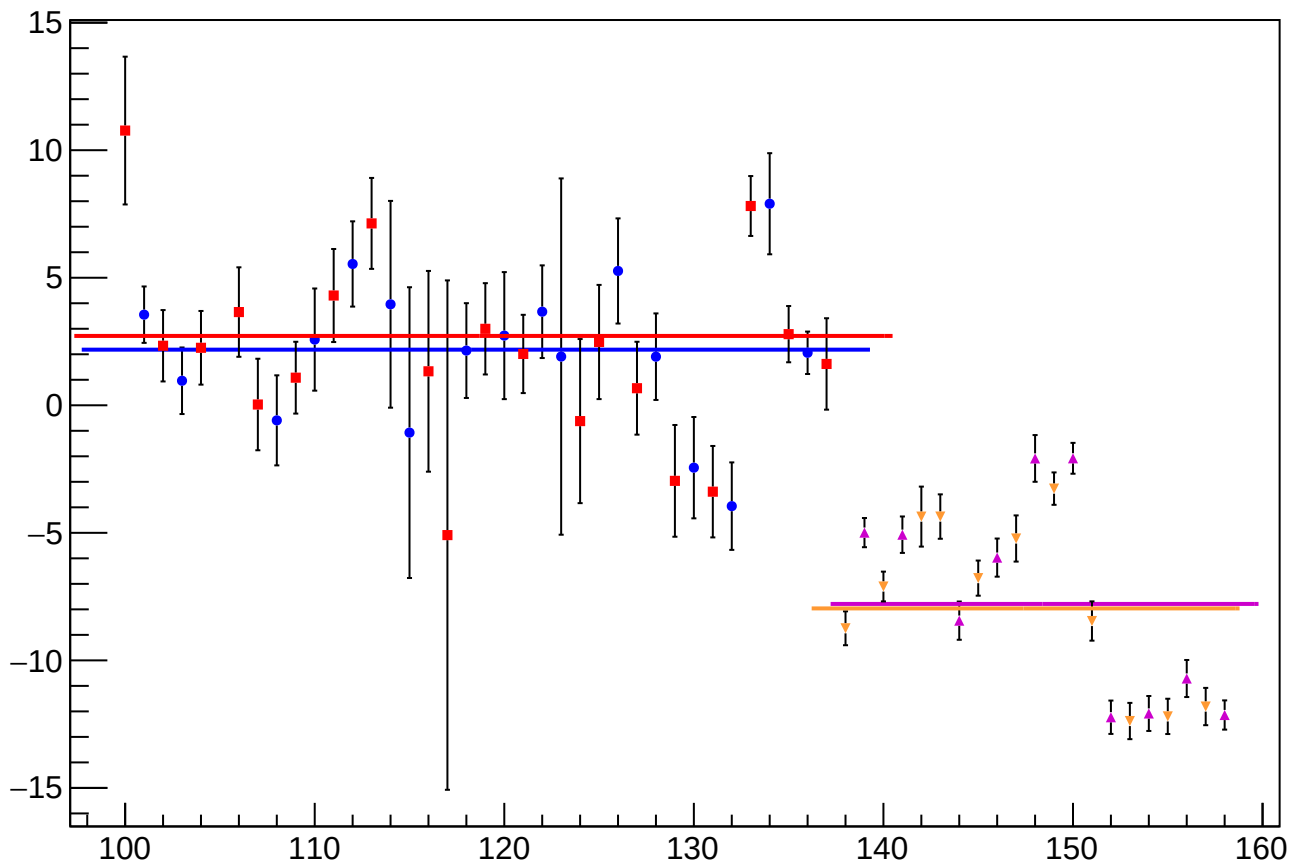
Right Out: -59.442 ± 0.212 $\chi^2/\text{NDF}: 2919.1/19$

Left In: -55.566 ± 0.160 $\chi^2/\text{NDF}: 654.3/9$

-57.502 ± 0.130 $\chi^2/\text{NDF}: 2426.4/27$

-56.971 ± 0.128 $\chi^2/\text{NDF}: 3786.9/29$

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: -7.963 ± 0.220 $\chi^2/\text{NDF}: 200.9/10$

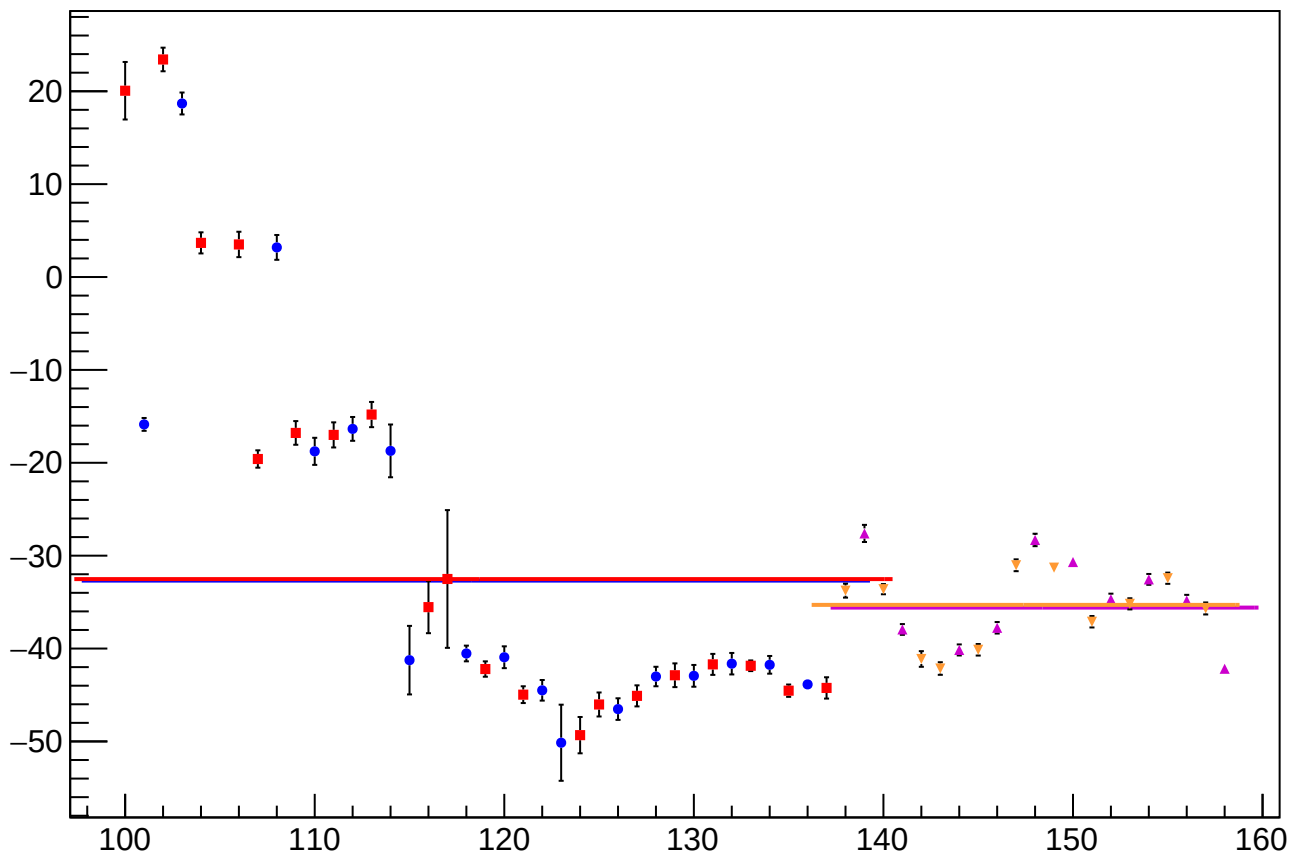
Right Out: 2.719 ± 0.388 $\chi^2/\text{NDF}: 59.5/19$

Left In: -7.787 ± 0.214 $\chi^2/\text{NDF}: 332.3/9$

-5.659 ± 0.193 $\chi^2/\text{NDF}: 723.3/27$

-5.341 ± 0.187 $\chi^2/\text{NDF}: 955.3/29$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -32.682 ± 0.256 $\chi^2/\text{NDF}: 4646.9/16$

Left Out: -35.299 ± 0.190 $\chi^2/\text{NDF}: 357.6/10$

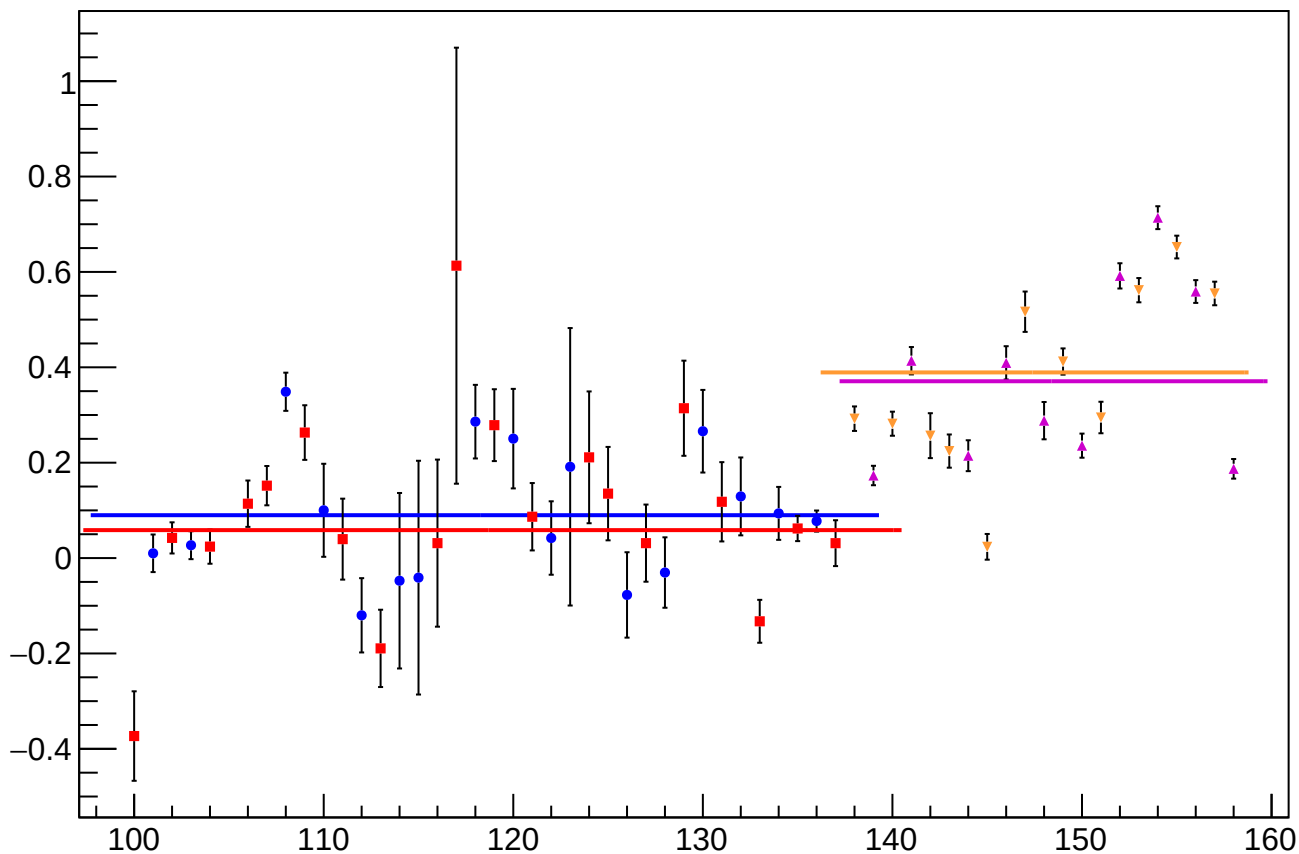
Right Out: -32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/19$

Left In: -35.591 ± 0.186 $\chi^2/\text{NDF}: 617.1/9$

-34.371 ± 0.152 $\chi^2/\text{NDF}: 5072.0/27$

-34.462 ± 0.148 $\chi^2/\text{NDF}: 6762.5/29$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.090 ± 0.013 χ^2/NDF : 78.8/16

Left Out: 0.389 ± 0.009 χ^2/NDF : 477.0/10

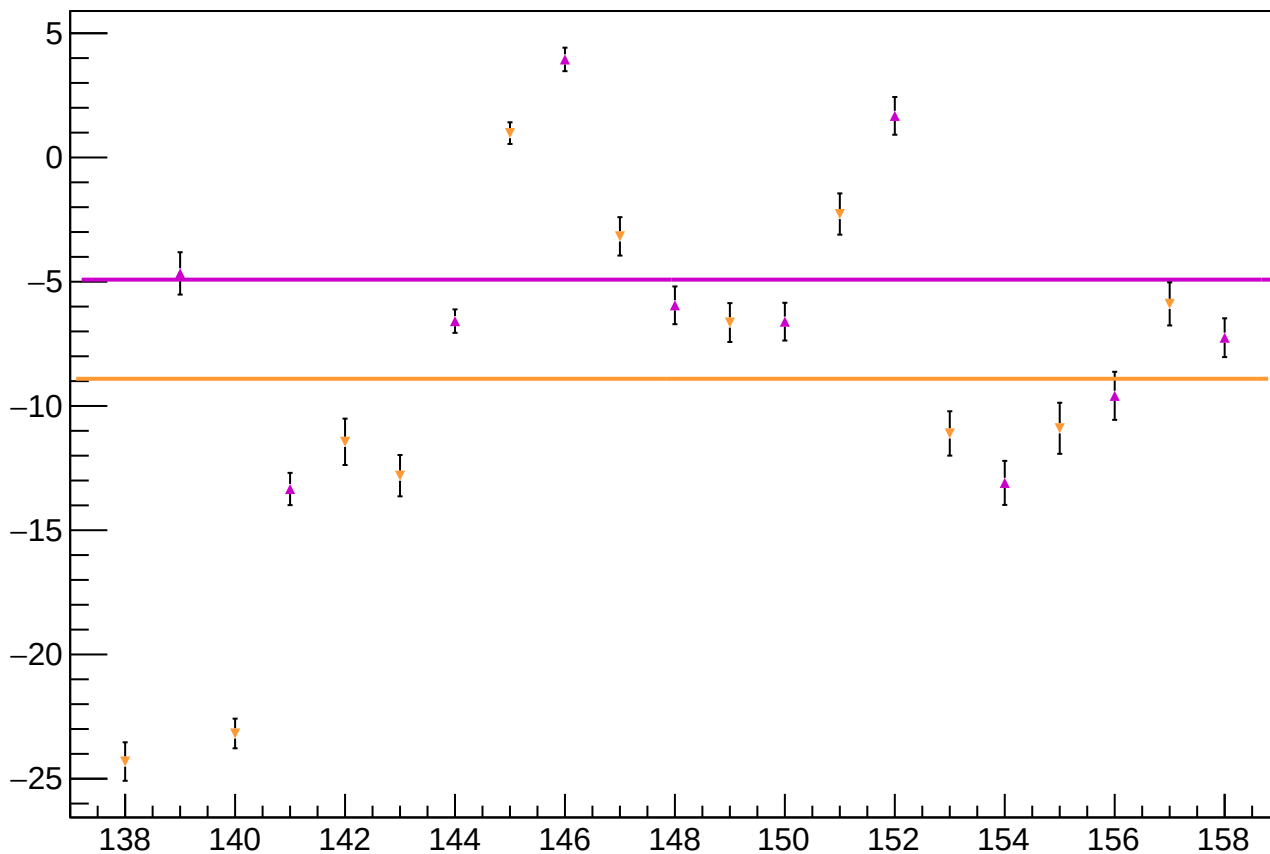
Right Out: 0.059 ± 0.012 χ^2/NDF : 88.6/19

Left In: 0.371 ± 0.008 χ^2/NDF : 569.5/9

0.295 ± 0.007 χ^2/NDF : 934.6/27

0.273 ± 0.007 χ^2/NDF : 1111.0/29

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



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

Left Out: -8.905+/-0.220 χ^2/NDF : 1660.0/10

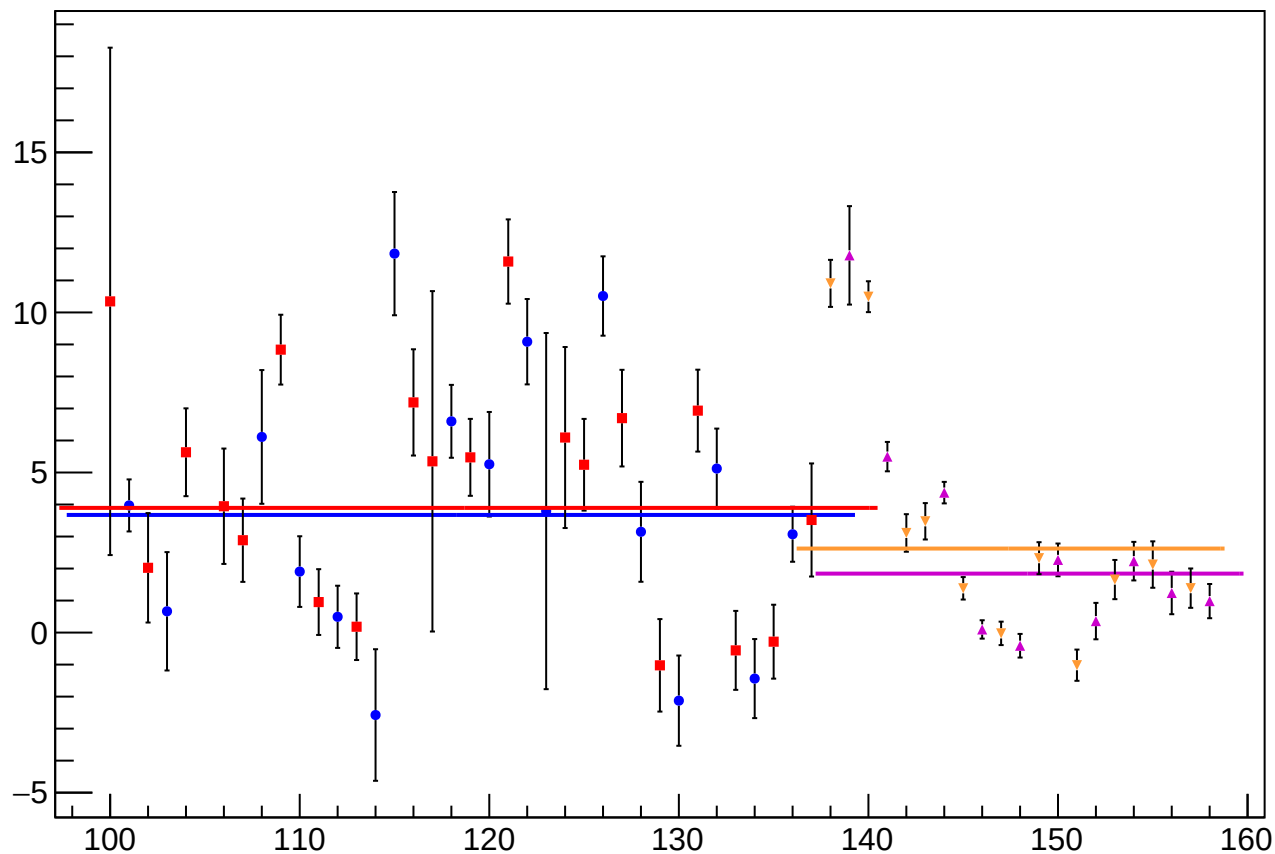
-8.905+/-0.220 χ^2/NDF : 1660.0/10

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

Left In: -4.916+/-0.214 χ^2/NDF : 732.3/9

-4.916+/-0.214 χ^2/NDF : 732.3/9

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.675 ± 0.310 χ^2/NDF : 135.2/16

Left Out: 2.625 ± 0.152 χ^2/NDF : 524.1/10

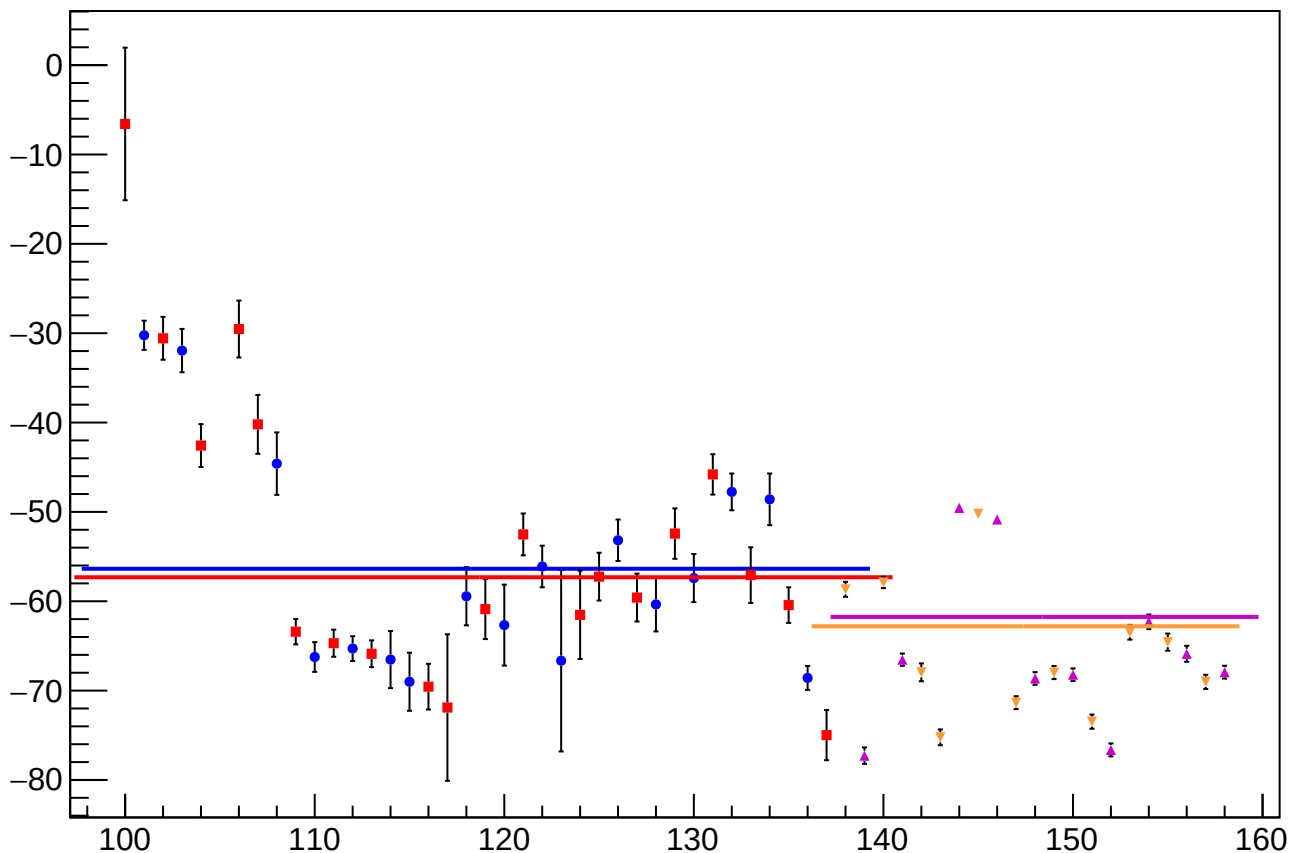
Right Out: 3.895 ± 0.316 χ^2/NDF : 133.8/19

Left In: 1.842 ± 0.143 χ^2/NDF : 247.4/9

2.828 ± 0.137 χ^2/NDF : 668.5/27

2.191 ± 0.130 χ^2/NDF : 416.3/29

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -56.362 $\pm$ 0.543 χ^2 /NDF: 587.2/16

Left Out: -62.802 $\pm$ 0.222 χ^2 /NDF:1479.2/10

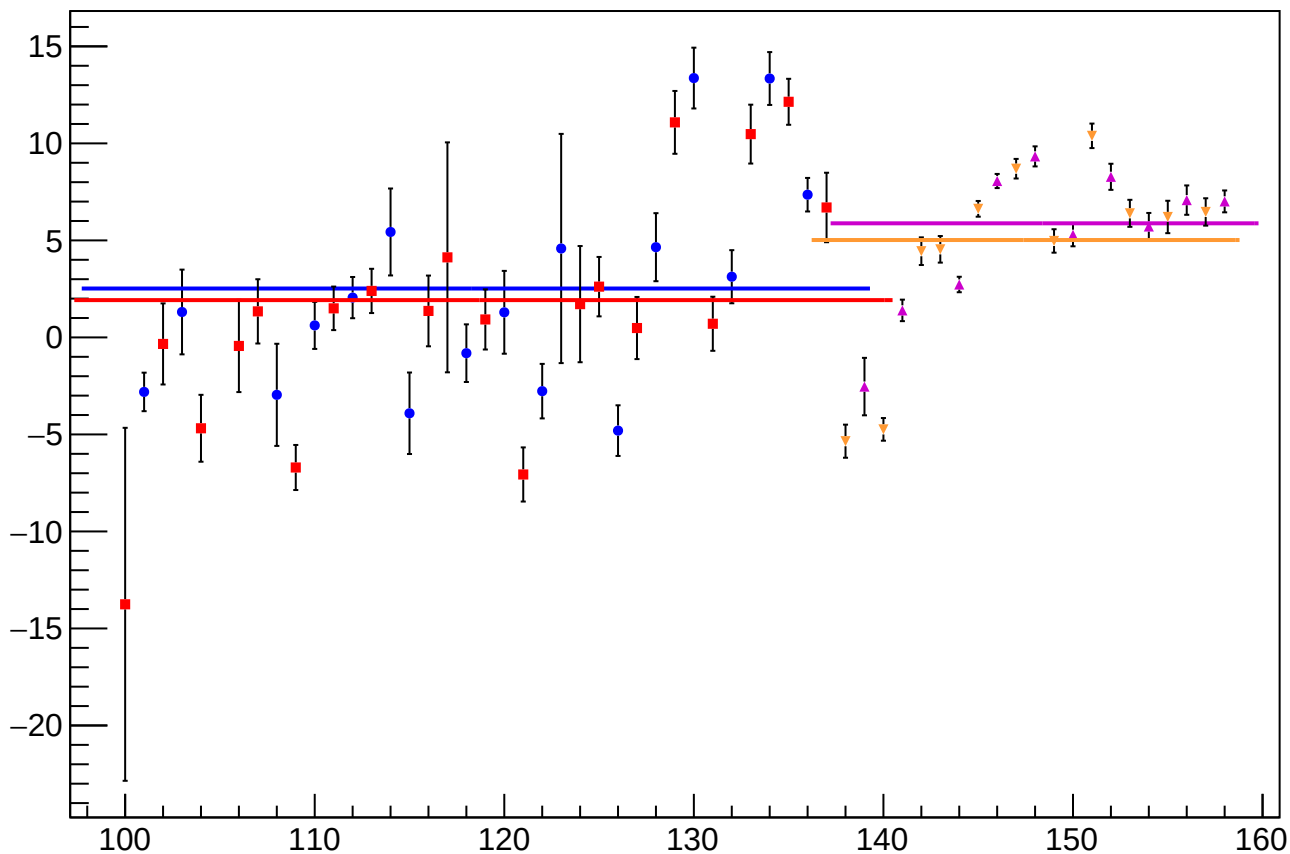
Right Out: -57.314 $\pm$ 0.535 χ^2 /NDF: 479.2/19

Left In: -61.756 $\pm$ 0.211 χ^2 /NDF:2181.9/9

-61.881 $\pm$ 0.205 χ^2 /NDF: 2186.8/27

-61.159 $\pm$ 0.196 χ^2 /NDF: 2720.7/29

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.520 $\pm$ 0.347 χ^2 /NDF: 242.3/16

4.465 $\pm$ 0.163 χ^2 /NDF: 861.9/27

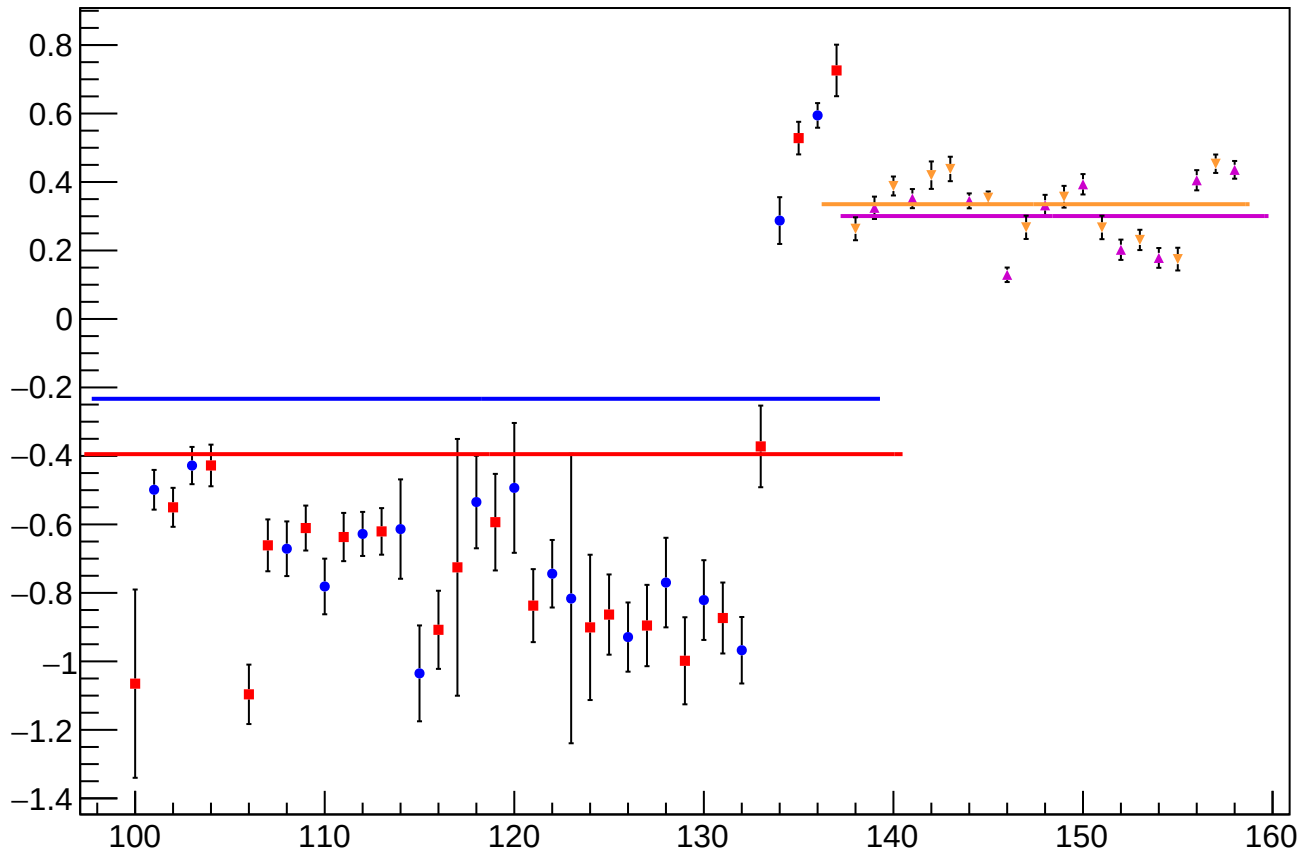
Left Out: 5.019 $\pm$ 0.185 χ^2 /NDF: 579.2/10

Right Out: 1.922 $\pm$ 0.354 χ^2 /NDF: 264.7/19

5.115 $\pm$ 0.156 χ^2 /NDF: 626.4/29

Left In: 5.880 $\pm$ 0.173 χ^2 /NDF: 261.0/9

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.233+/-0.019 χ^2/NDF : 956.8/16

Left Out: 0.335+/-0.009 χ^2/NDF : 85.5/10

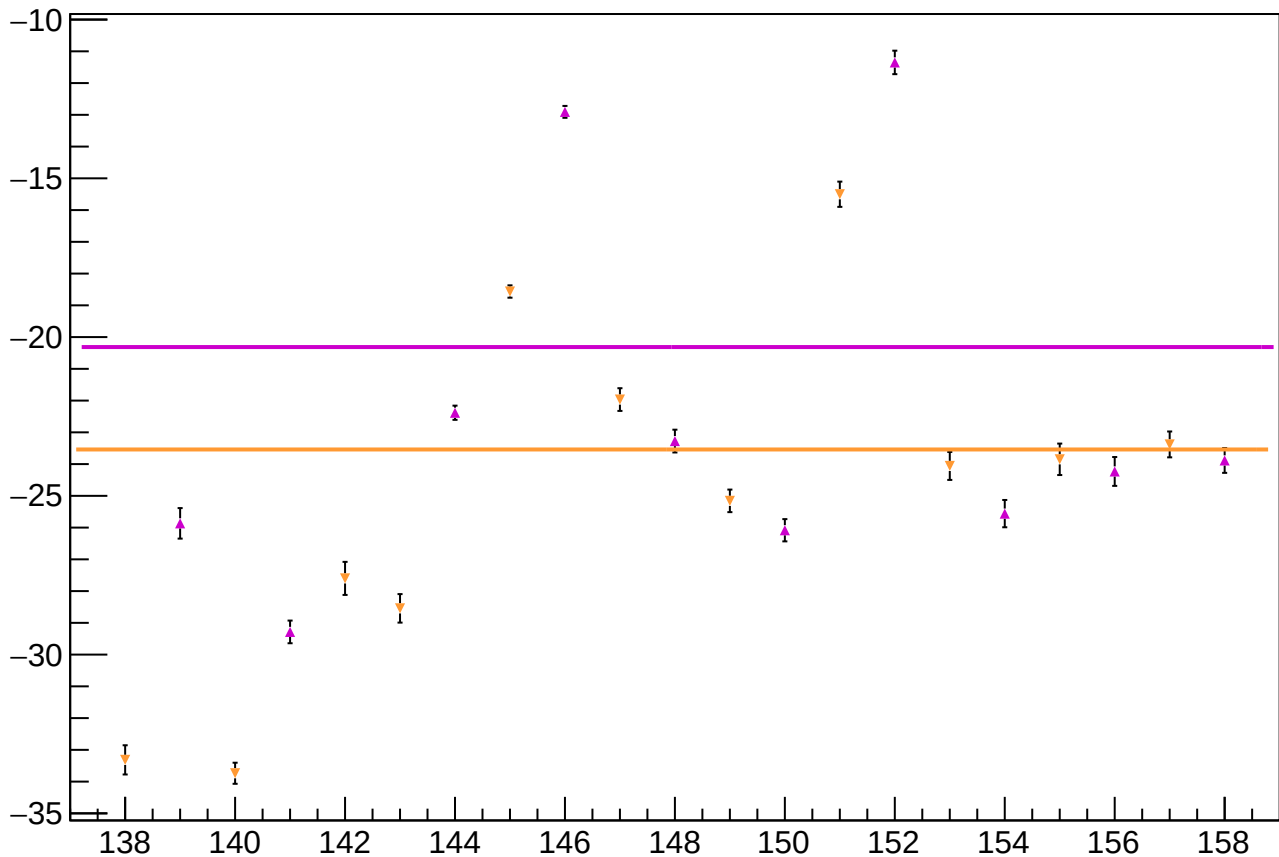
Right Out: -0.395+/-0.019 χ^2/NDF : 845.9/19

Left In: 0.301+/-0.009 χ^2/NDF : 153.2/9

0.233+/-0.008 χ^2/NDF : 1783.6/27

0.183+/-0.008 χ^2/NDF : 2117.2/29

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



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

Left Out: -23.540+/-0.108 χ^2/NDF : 2683.0/10

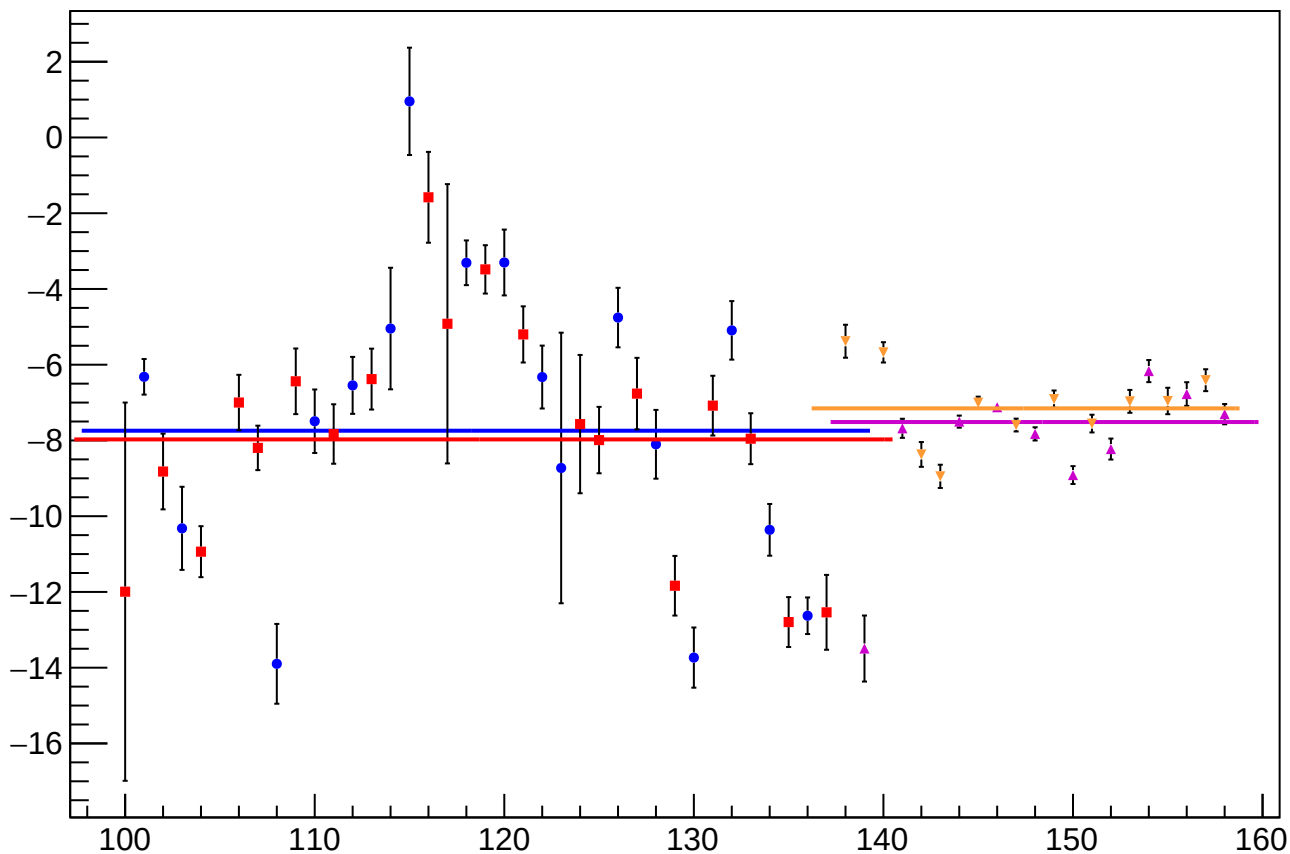
-23.540+/-0.108 χ^2/NDF : 2683.0/10

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

-20.314+/-0.100 χ^2/NDF : 3645.9/9

Left In: -20.314+/-0.100 χ^2/NDF : 3645.9/9

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.743 ± 0.187 χ^2/NDF : 377.5/16

Left Out: -7.153 ± 0.074 χ^2/NDF : 114.2/10

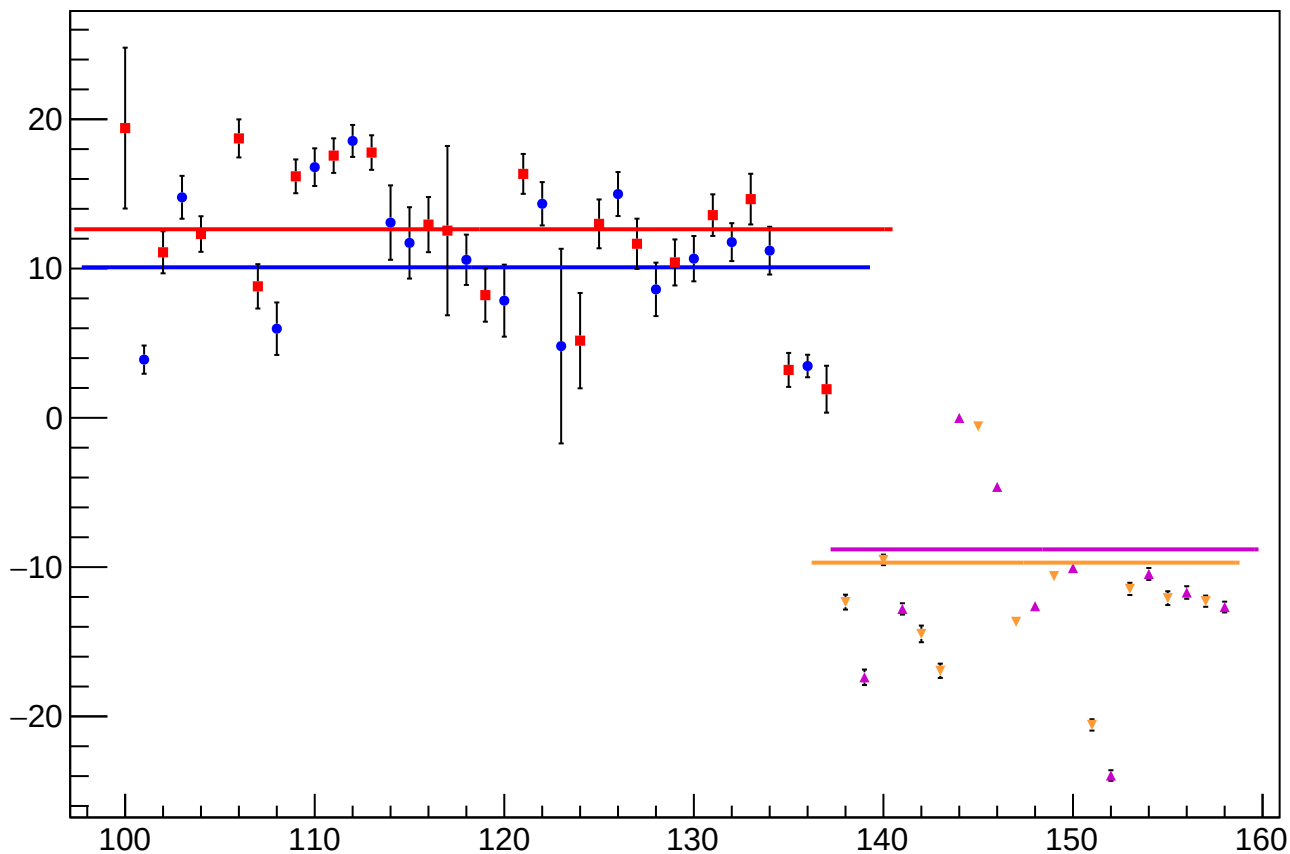
Right Out: -7.973 ± 0.186 χ^2/NDF : 224.2/19

Left In: -7.514 ± 0.066 χ^2/NDF : 131.3/9

-7.233 ± 0.069 χ^2/NDF : 500.3/27

-7.565 ± 0.062 χ^2/NDF : 361.0/29

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: 10.083 $\pm$ 0.338 χ^2 /NDF: 252.7/16

Left Out: -9.700 $\pm$ 0.108 χ^2 /NDF: 3348.0/10

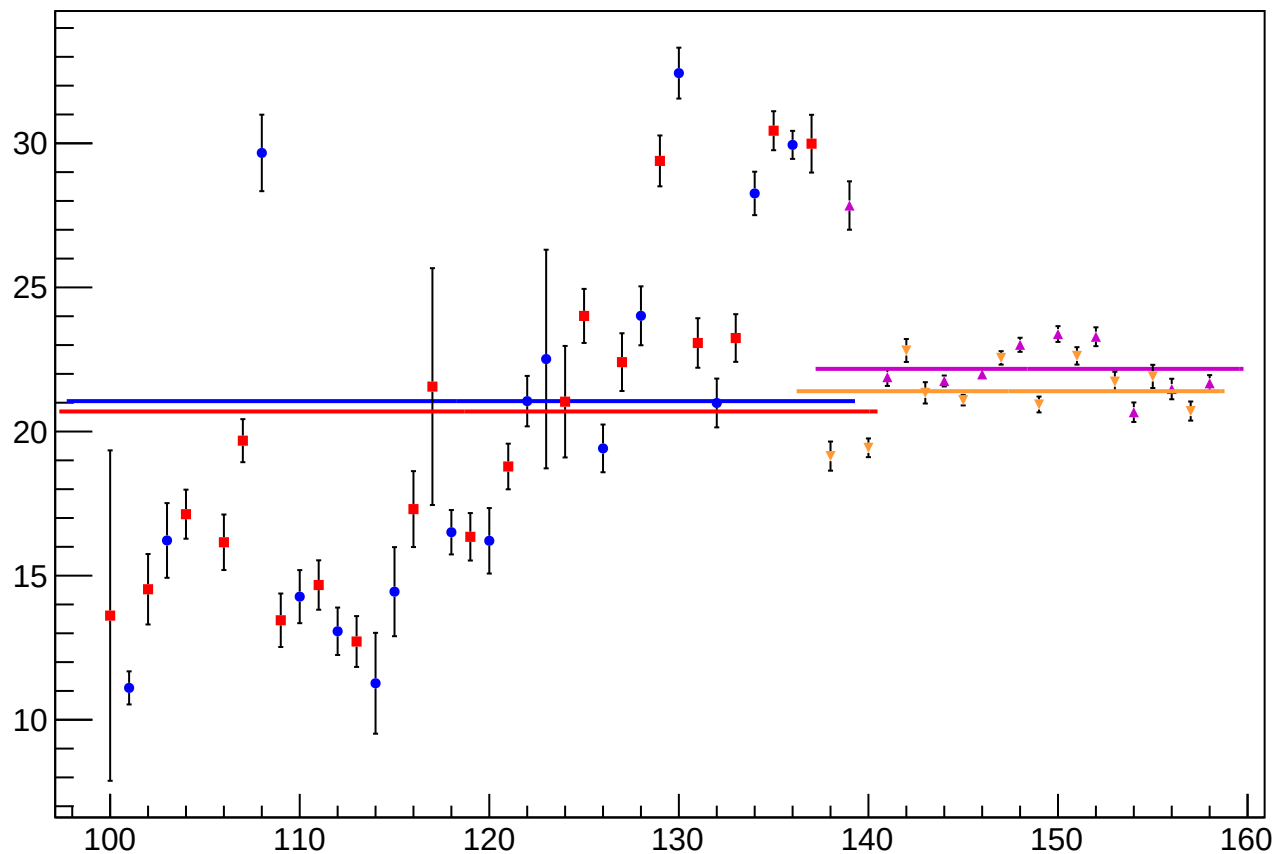
Right Out: 12.631 $\pm$ 0.332 χ^2 /NDF: 218.6/19

Left In: -8.813 $\pm$ 0.098 χ^2 /NDF: 4421.6/9

-7.870 $\pm$ 0.103 χ^2 /NDF: 6710.8/27

-7.101 $\pm$ 0.094 χ^2 /NDF: 8477.1/29

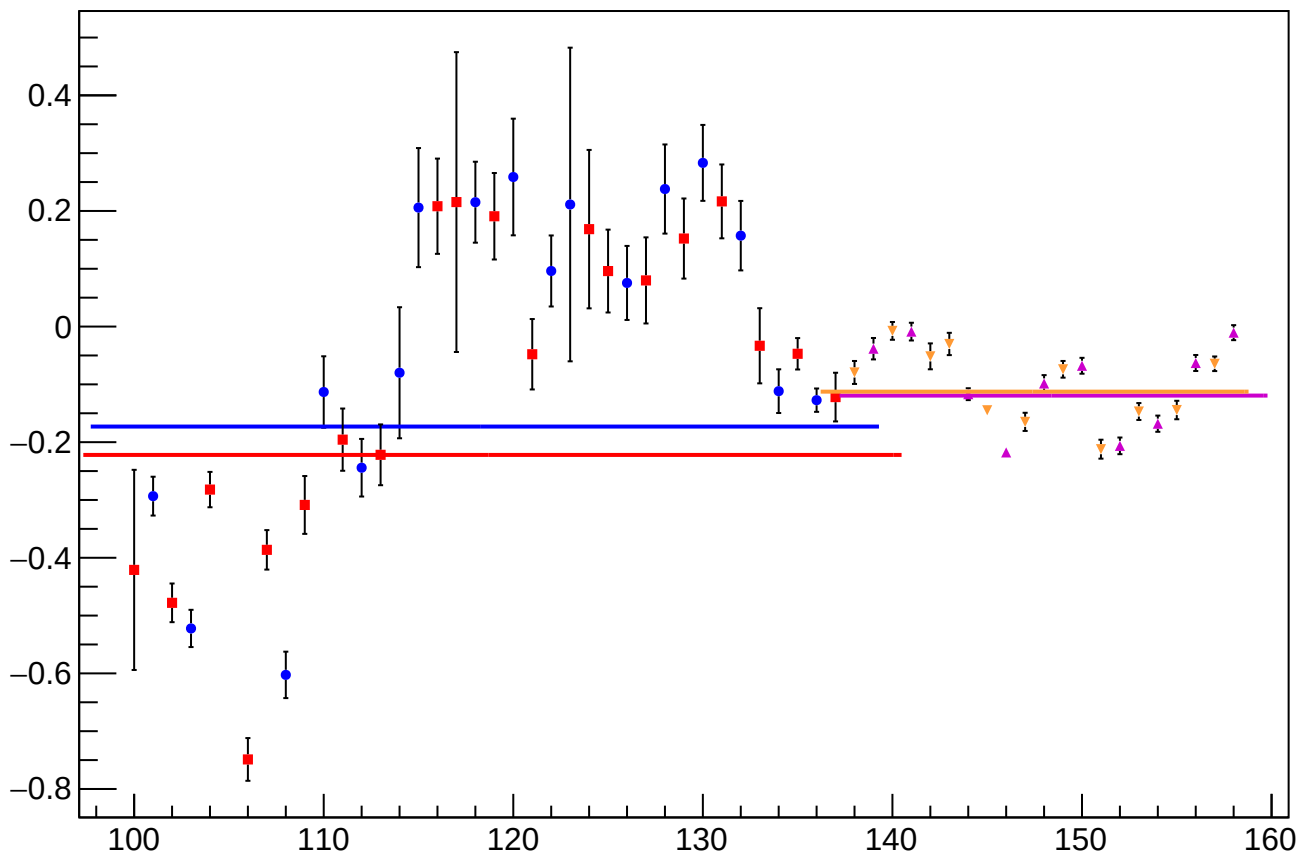
reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



21.346 +/- 0.083 χ^2/NDF : 1336.5/27

21.989 +/- 0.075 χ^2/NDF : 889.1/29

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.173 ± 0.011 χ^2/NDF : 461.8/16

Left Out: -0.113 ± 0.004 χ^2/NDF : 170.2/10

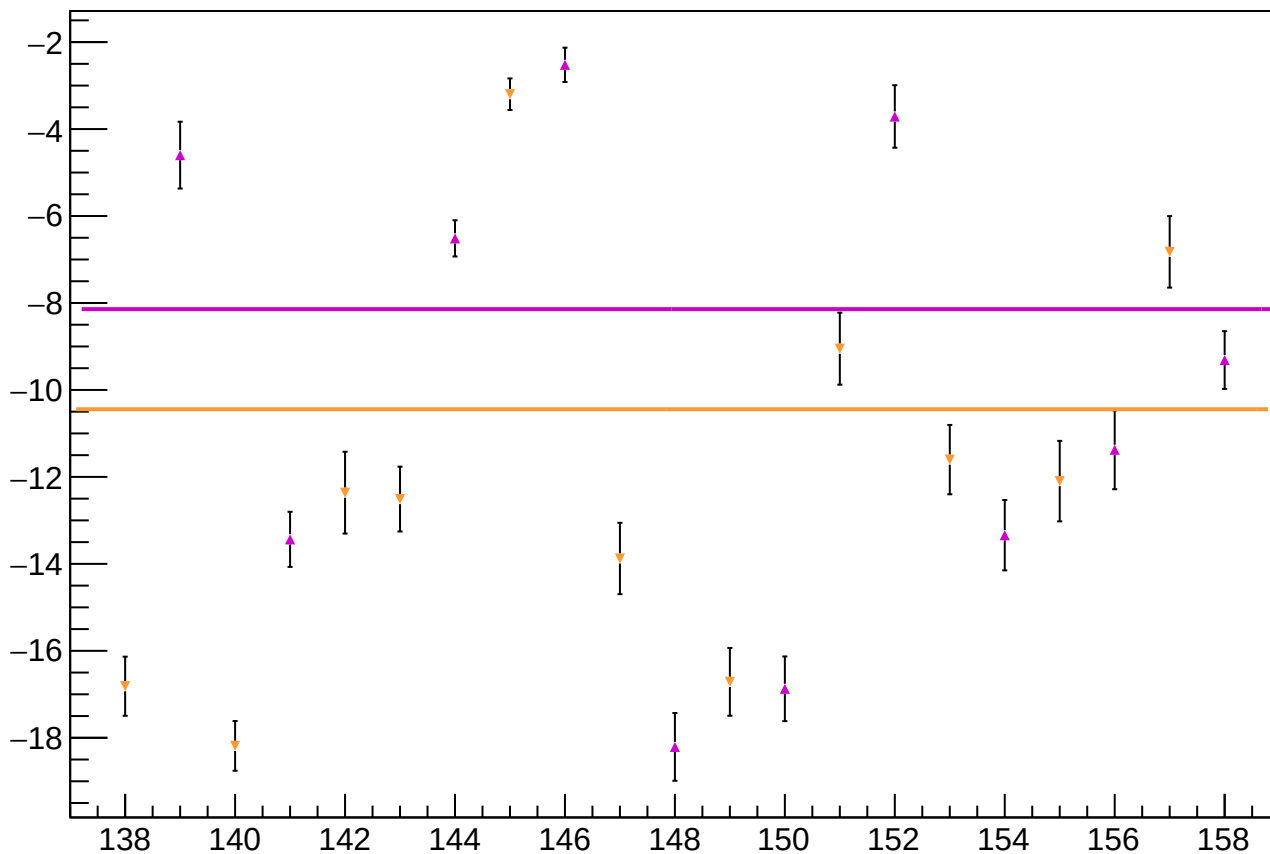
Right Out: -0.222 ± 0.011 χ^2/NDF : 538.0/19

Left In: -0.119 ± 0.004 χ^2/NDF : 358.4/9

-0.120 ± 0.004 χ^2/NDF : 657.4/27

-0.132 ± 0.004 χ^2/NDF : 973.8/29

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



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

Left Out: -10.444+/-0.202 χ^2/NDF : 791.5/10

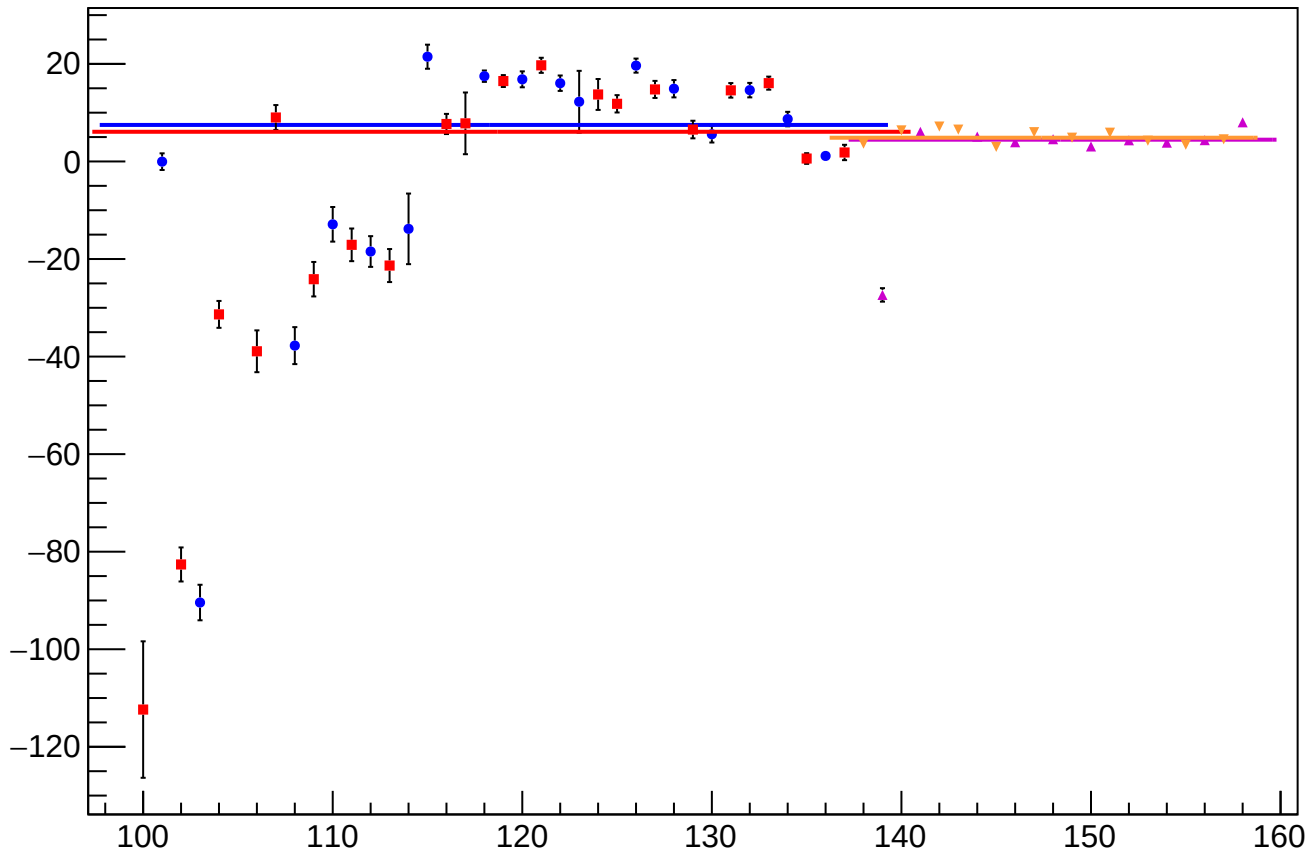
-10.444+/-0.202 χ^2/NDF : 791.5/10

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

-8.142+/-0.193 χ^2/NDF : 709.0/9

Left In: -8.142+/-0.193 χ^2/NDF : 709.0/9

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: 7.488 ± 0.407 χ^2/NDF : 1340.5/16

Left Out: 4.865 ± 0.142 χ^2/NDF : 101.6/10

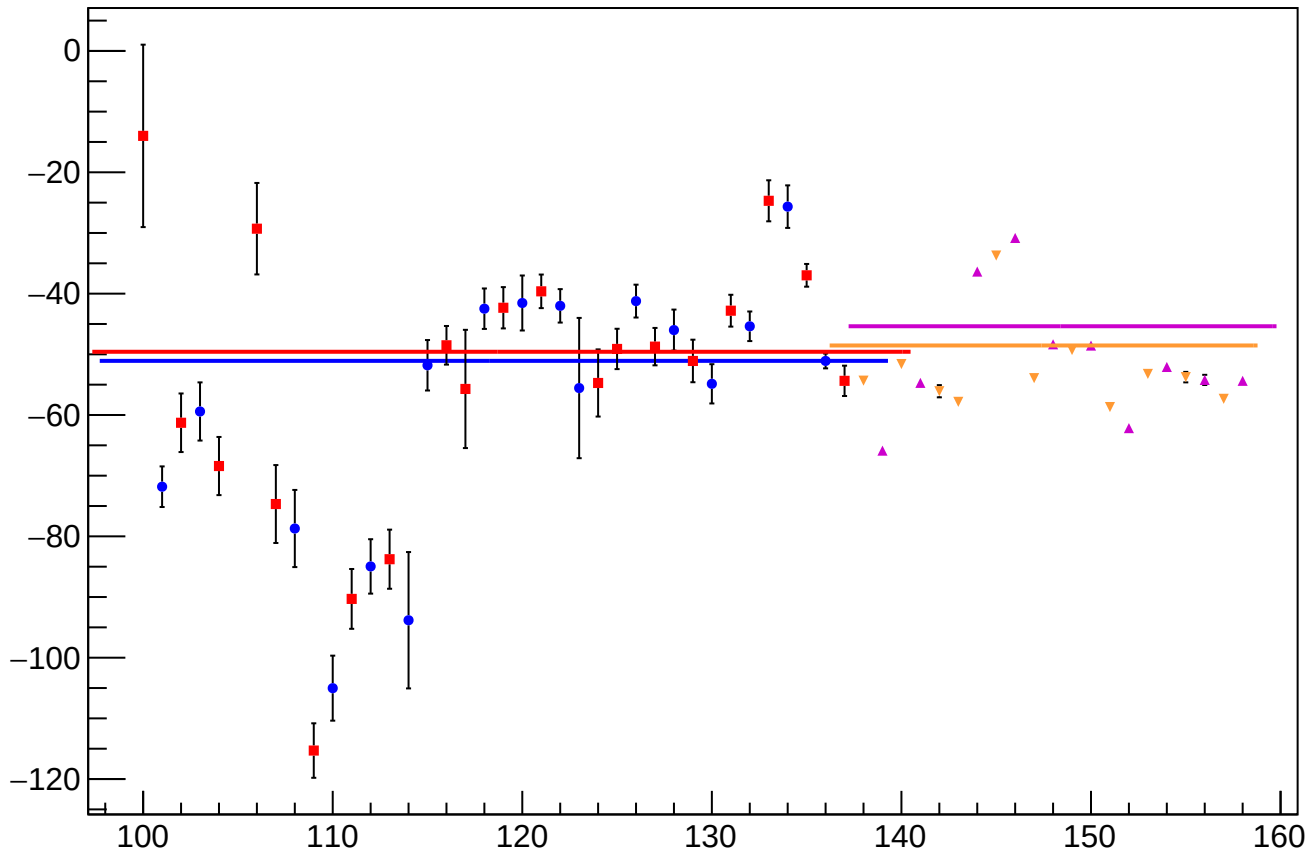
Right Out: 6.086 ± 0.433 χ^2/NDF : 1512.2/19

Left In: 4.462 ± 0.132 χ^2/NDF : 622.7/9

5.152 ± 0.134 χ^2/NDF : 1479.1/27

4.599 ± 0.126 χ^2/NDF : 2147.7/29

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -51.077 ± 0.741 χ^2/NDF : 330.2/16

Left Out: -48.541 ± 0.205 χ^2/NDF : 2168.7/10

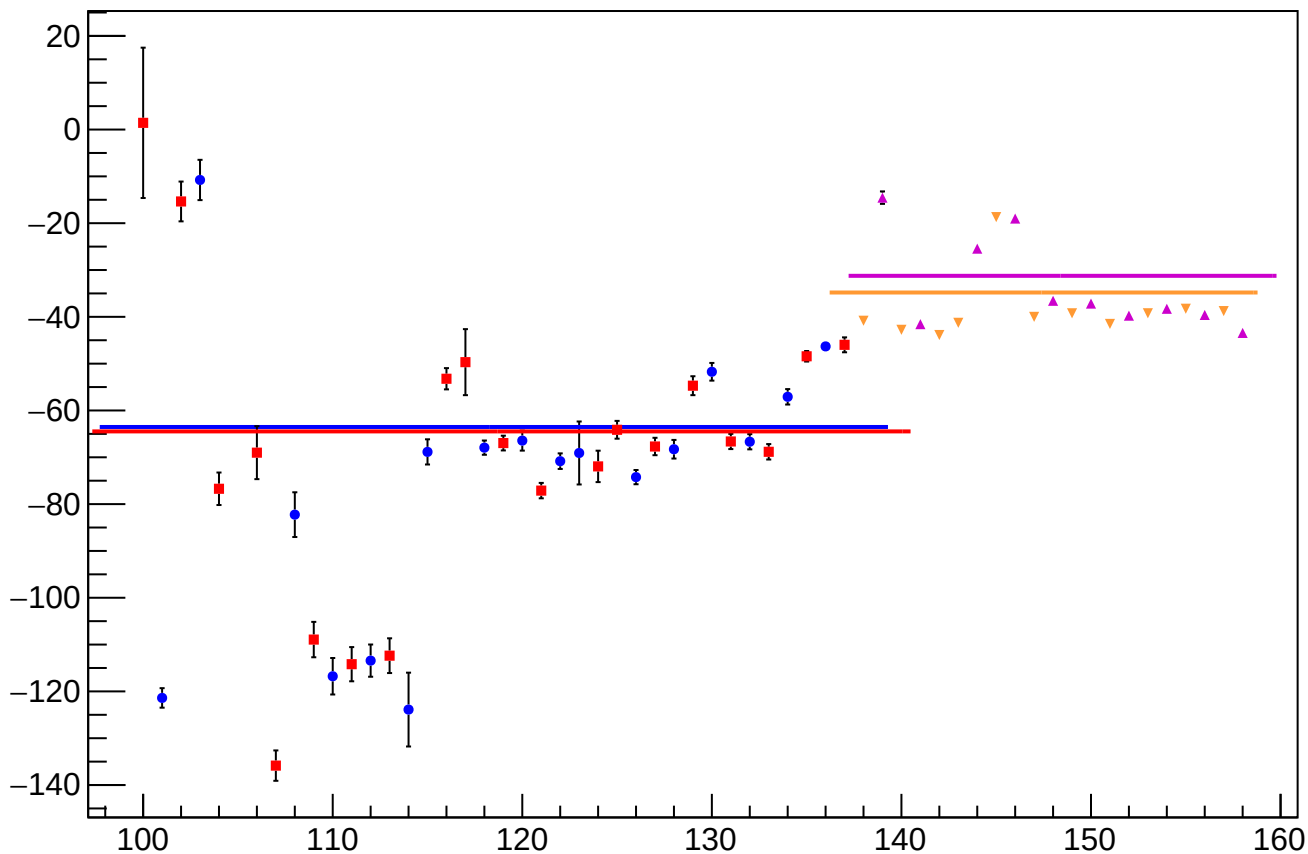
Right Out: -49.579 ± 0.796 χ^2/NDF : 510.0/19

Left In: -45.374 ± 0.191 χ^2/NDF : 3713.1/9

-48.721 ± 0.197 χ^2/NDF : 2509.8/27

-45.602 ± 0.185 χ^2/NDF : 4249.4/29

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -63.525 ± 0.449 χ^2/NDF : 2010.9/16

Left Out: -34.804 ± 0.172 χ^2/NDF : 3230.7/10

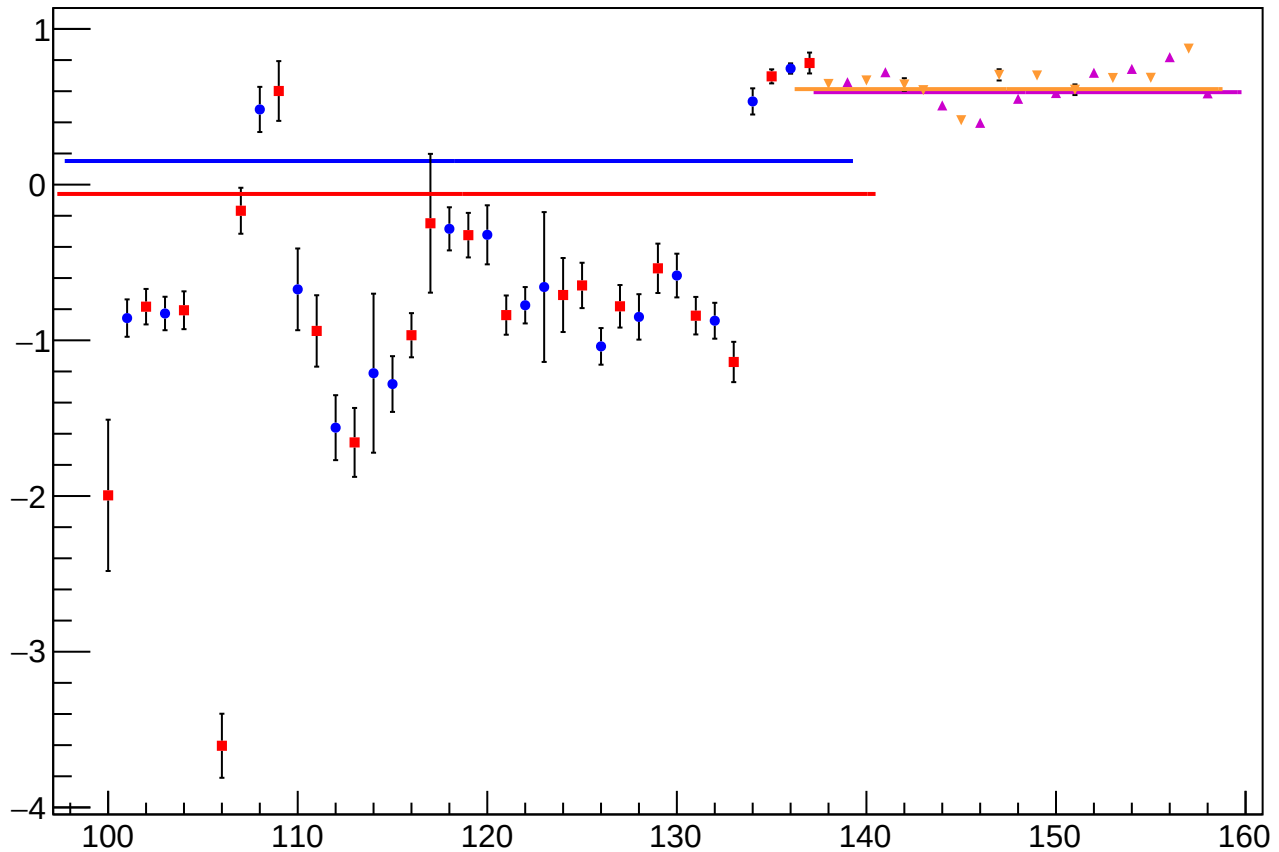
Right Out: -64.470 ± 0.482 χ^2/NDF : 1607.5/19

Left In: -31.240 ± 0.158 χ^2/NDF : 3594.6/9

-38.479 ± 0.160 χ^2/NDF : 8815.0/27

-34.477 ± 0.150 χ^2/NDF : 9495.3/29

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.152 $\pm$ 0.024 χ^2 /NDF: 987.4/16

Left Out: 0.613 $\pm$ 0.008 χ^2 /NDF: 310.3/10

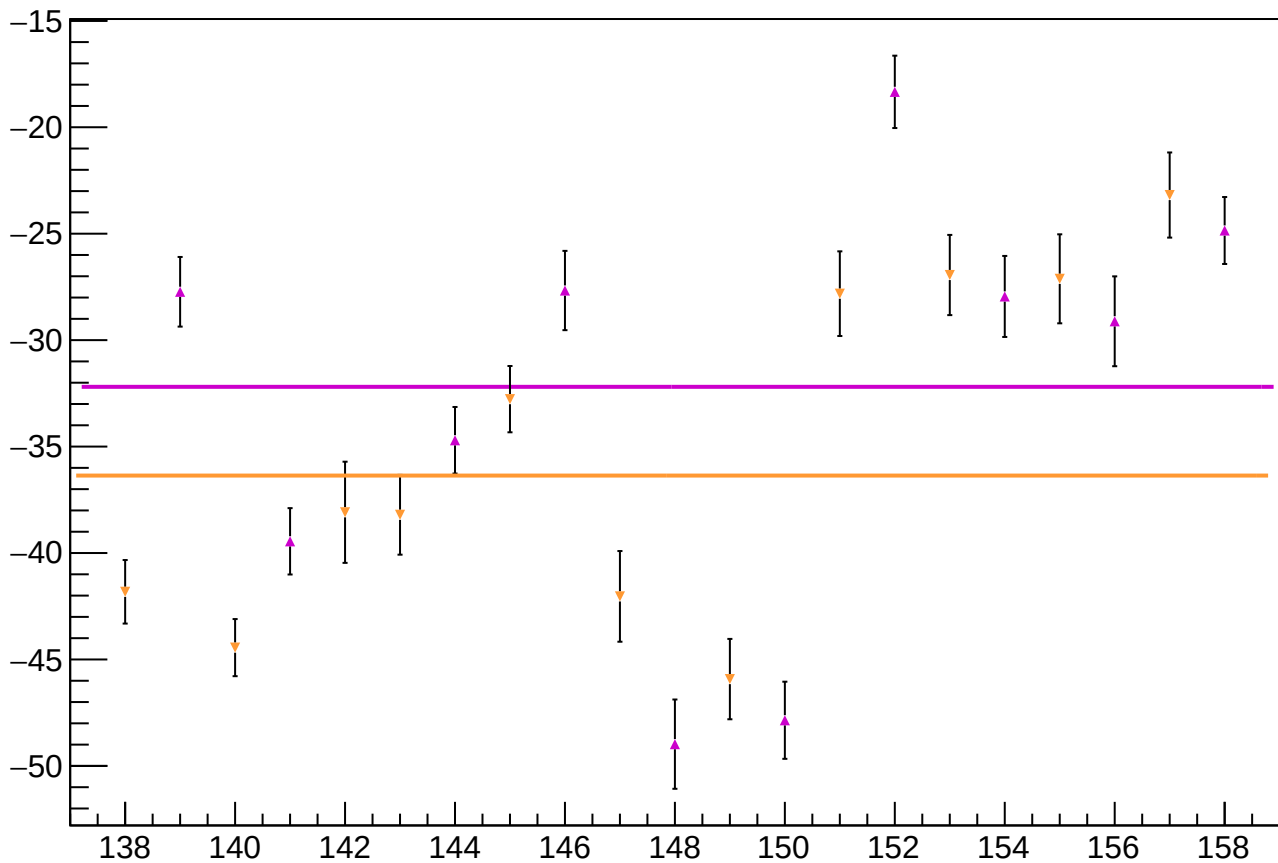
Right Out: -0.060 $\pm$ 0.026 χ^2 /NDF: 1162.1/19

Left In: 0.594 $\pm$ 0.008 χ^2 /NDF: 287.8/9

0.566 $\pm$ 0.008 χ^2 /NDF: 1629.1/27

0.541 $\pm$ 0.007 χ^2 /NDF: 2020.4/29

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



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

Left Out: -36.362+/-0.543 χ^2/NDF : 195.7/10

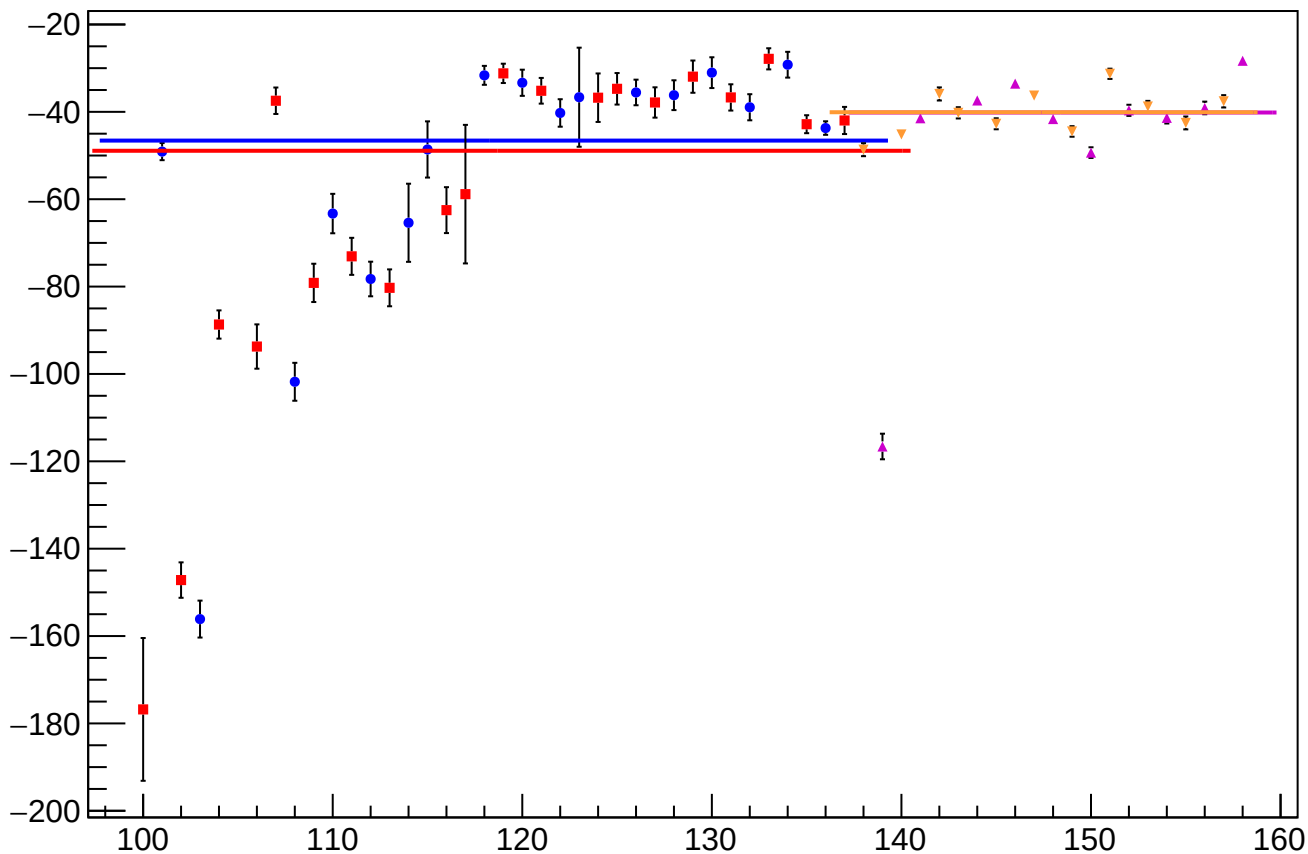
-36.362+/-0.543 χ^2/NDF : 195.7/10

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

-32.193+/-0.553 χ^2/NDF : 271.8/9

Left In: -32.193+/-0.553 χ^2/NDF : 271.8/9

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: -40.086 ± 0.381 $\chi^2/\text{NDF}: 157.3/10$

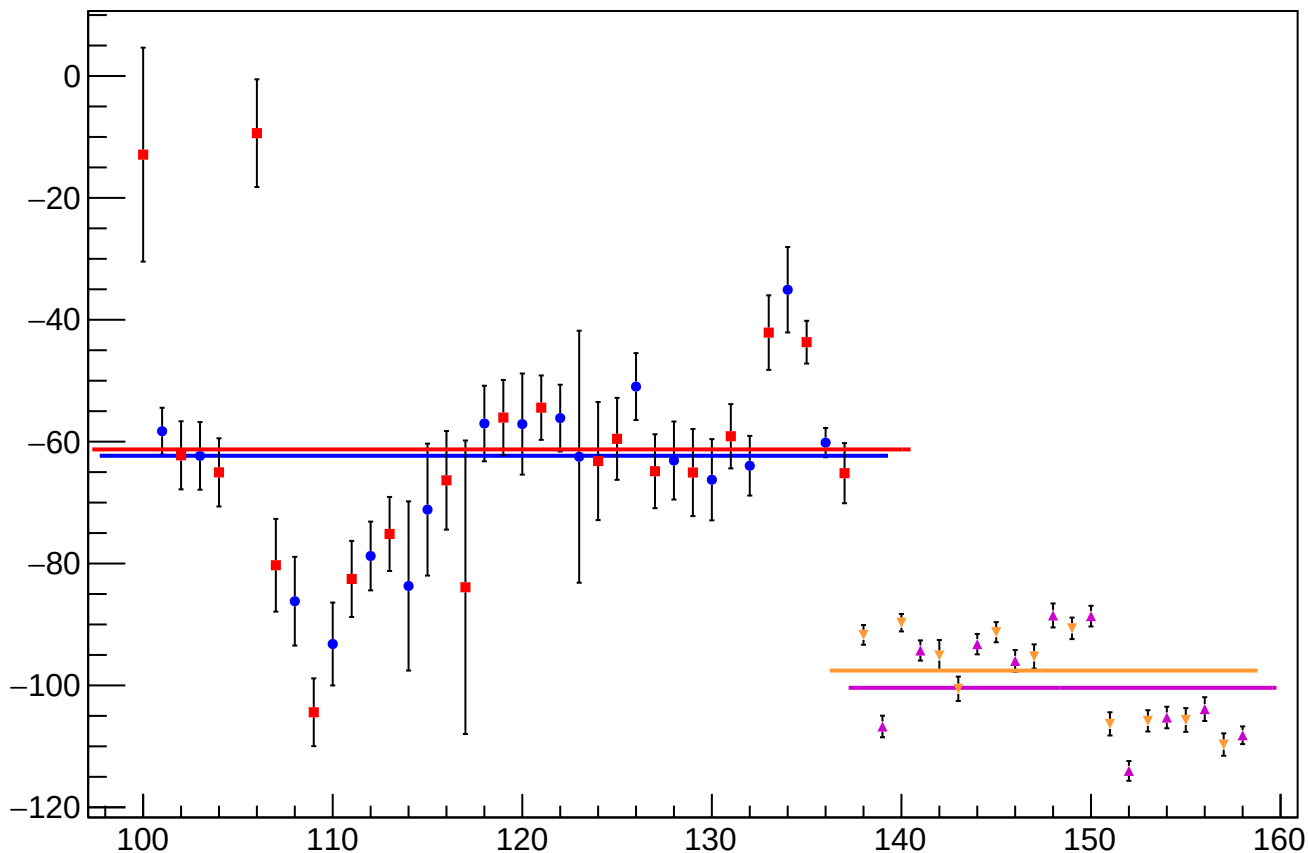
Right Out: -48.911 ± 0.763 $\chi^2/\text{NDF}: 1277.9/19$

Left In: -40.153 ± 0.387 $\chi^2/\text{NDF}: 902.0/9$

-41.477 ± 0.338 $\chi^2/\text{NDF}: 1295.9/27$

-41.950 ± 0.345 $\chi^2/\text{NDF}: 2284.8/29$

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: -97.566 $\pm$ 0.544 χ^2 /NDF:182.0/10

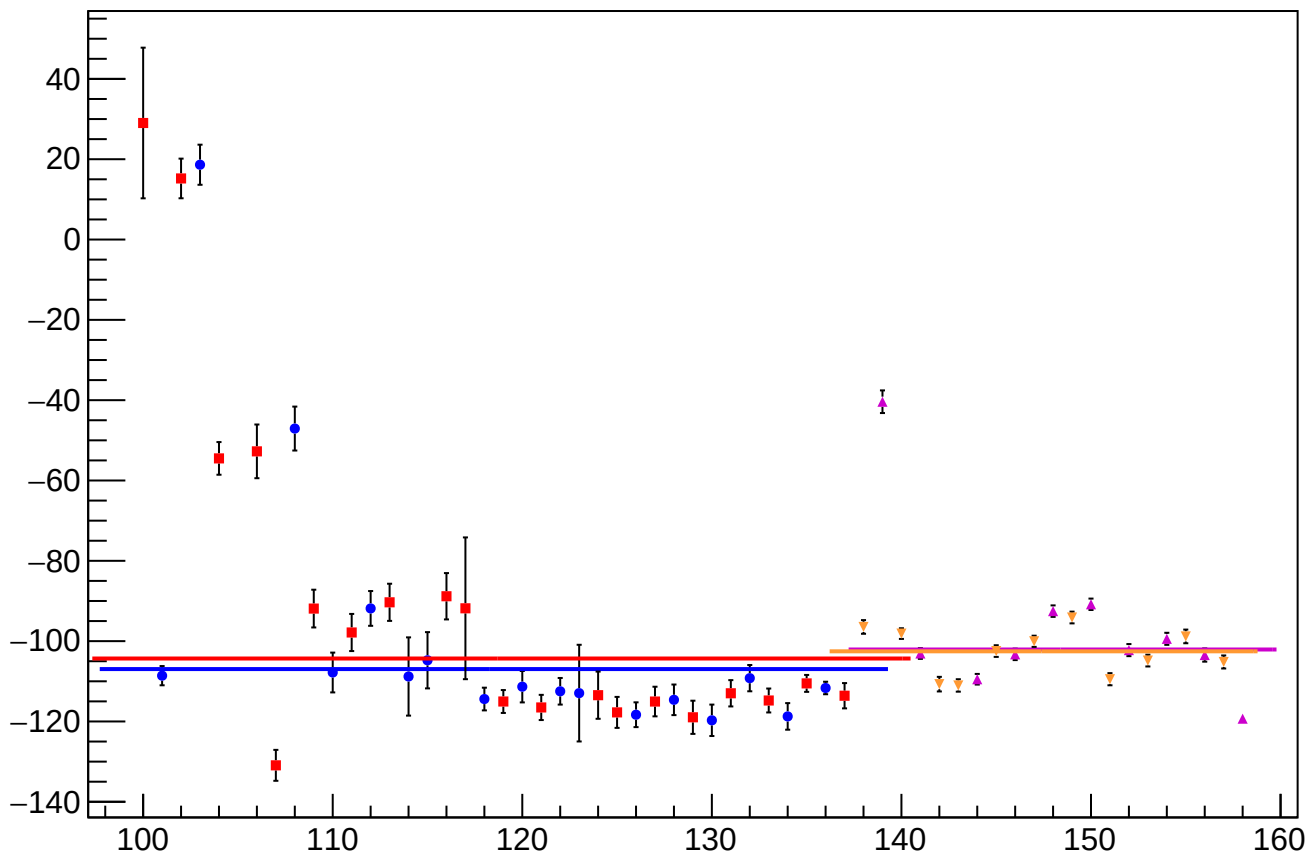
Right Out: -61.277 $\pm$ 1.379 χ^2 /NDF: 165.9/19

Left In: -100.391 $\pm$ 0.543 χ^2 /NDF:245.5/9

-92.417 $\pm$ 0.503 χ^2 /NDF: 862.3/27

-95.143 $\pm$ 0.505 χ^2 /NDF: 1108.2/29

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -106.954 ± 0.817 χ^2/NDF : 827.2/16

Left Out: -102.533 ± 0.461 χ^2/NDF : 141.4/10

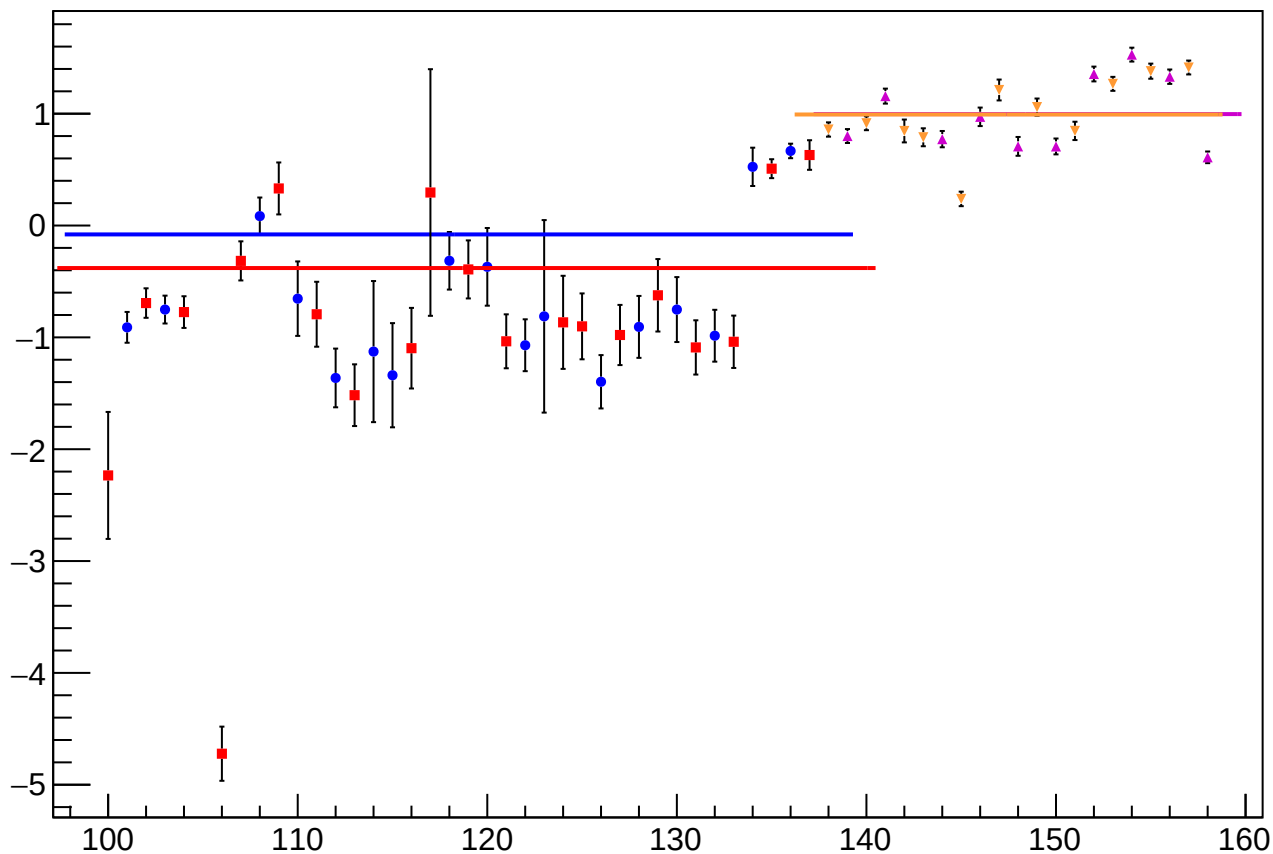
Right Out: -104.326 ± 0.860 χ^2/NDF : 1021.5/19

Left In: -102.081 ± 0.459 χ^2/NDF : 851.2/9

-103.599 ± 0.401 χ^2/NDF : 990.9/27

-102.578 ± 0.405 χ^2/NDF : 1878.0/29

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.079 ± 0.042 χ^2/NDF : 328.5/16

Left Out: 0.993 ± 0.022 χ^2/NDF : 257.3/10

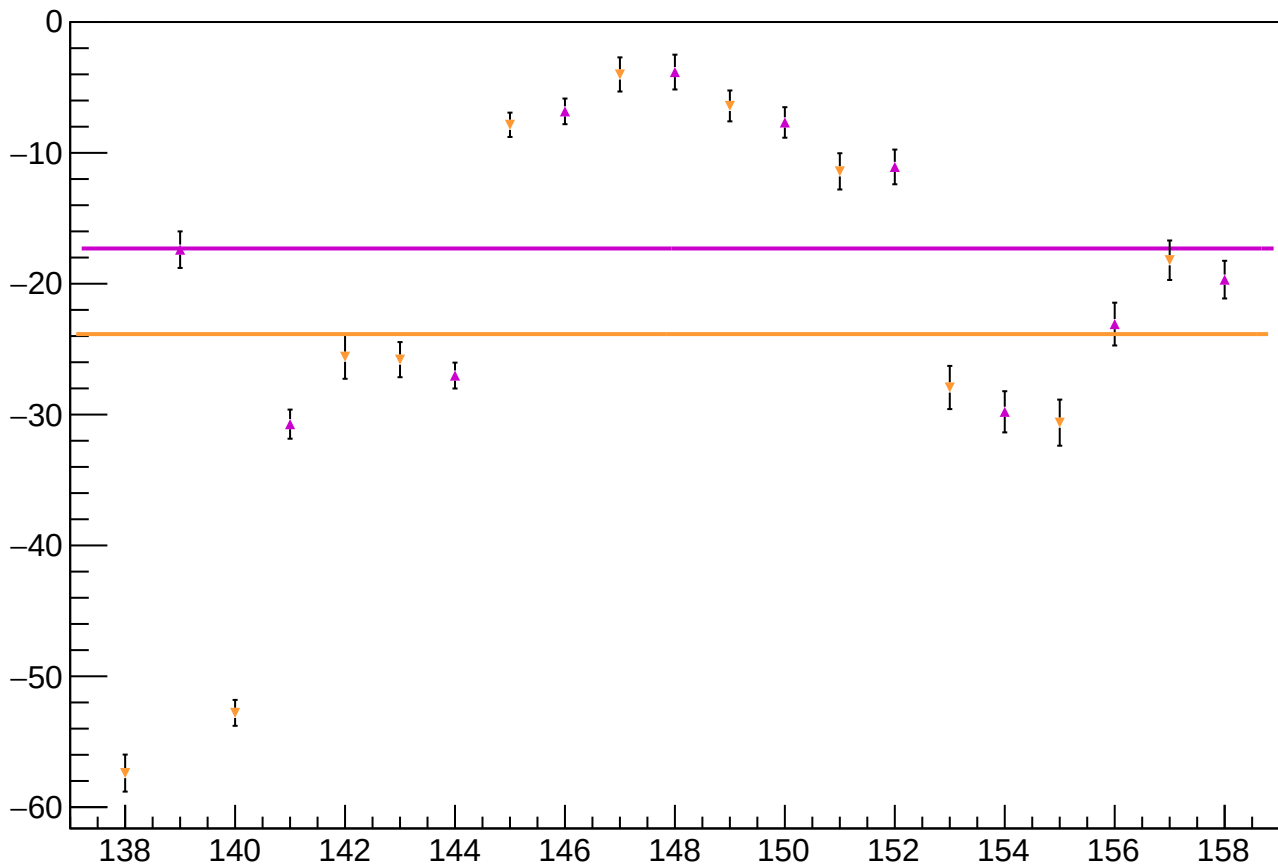
Right Out: -0.380 ± 0.044 χ^2/NDF : 580.9/19

Left In: 0.996 ± 0.021 χ^2/NDF : 238.3/9

0.772 ± 0.019 χ^2/NDF : 1097.0/27

0.739 ± 0.019 χ^2/NDF : 1616.1/29

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



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

Left Out: -23.850 ± 0.391 χ^2/NDF : 2281.3/10

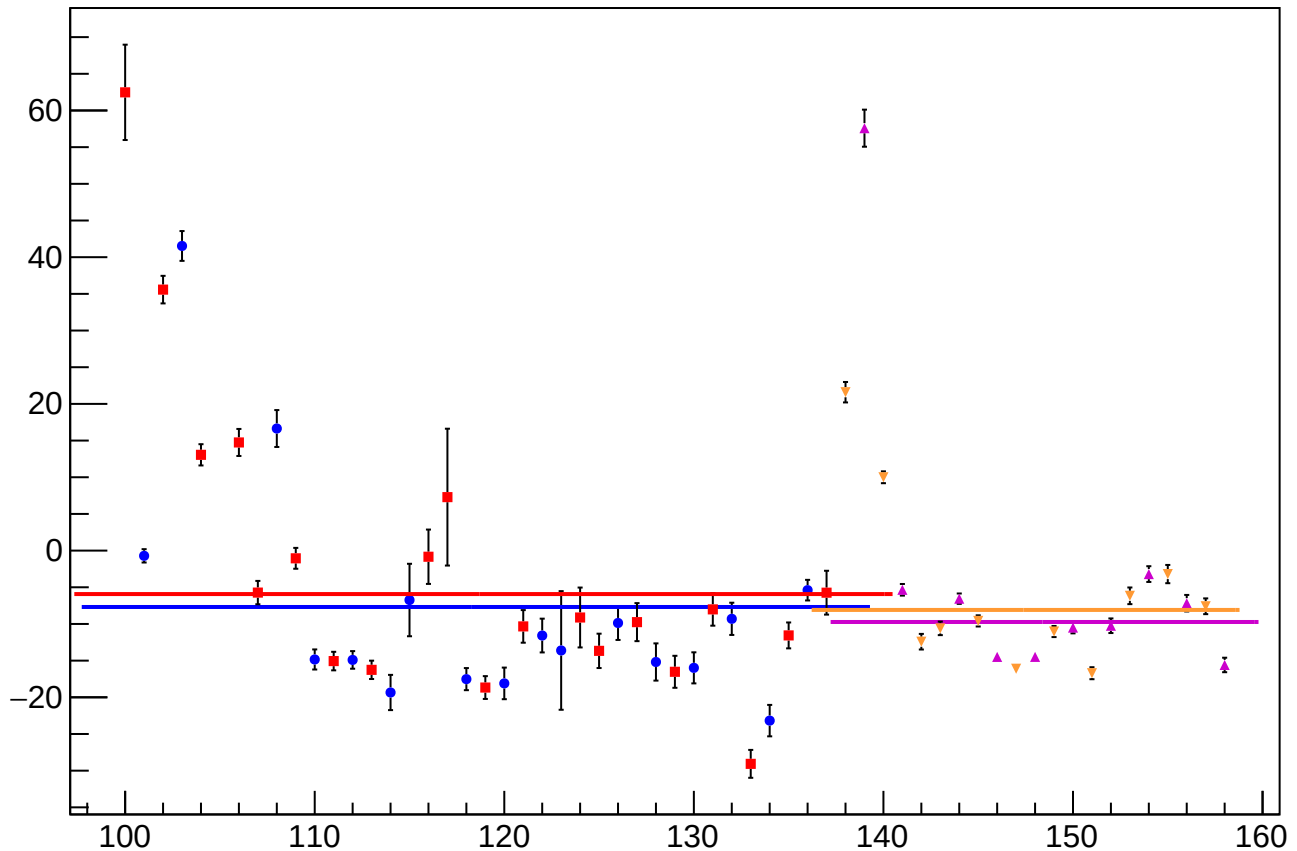
-23.850 ± 0.391 χ^2/NDF : 2281.3/10

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

Left In: -17.307 ± 0.392 χ^2/NDF : 627.4/9

-17.307 ± 0.392 χ^2/NDF : 627.4/9

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: -7.686 ± 0.430 χ^2/NDF : 975.9/16

Left Out: -8.089 ± 0.268 χ^2/NDF : 1292.5/10

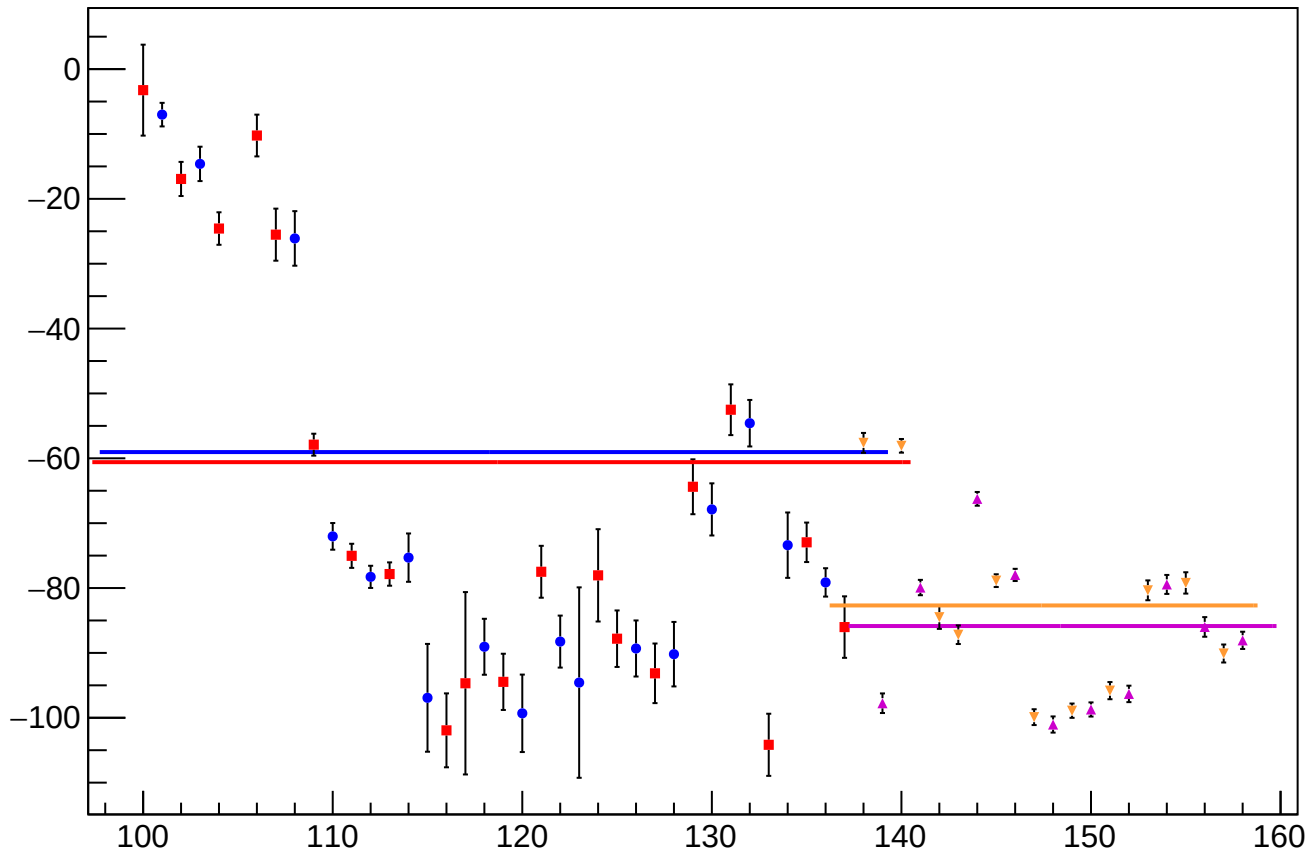
Right Out: -5.925 ± 0.428 χ^2/NDF : 1300.1/19

Left In: -9.732 ± 0.267 χ^2/NDF : 952.8/9

-7.976 ± 0.227 χ^2/NDF : 2269.0/27

-8.669 ± 0.226 χ^2/NDF : 2309.8/29

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -59.039±/0.746 χ^2/NDF : 1709.5/16

Left Out: -82.683±/0.391 χ^2/NDF :1387.2/10

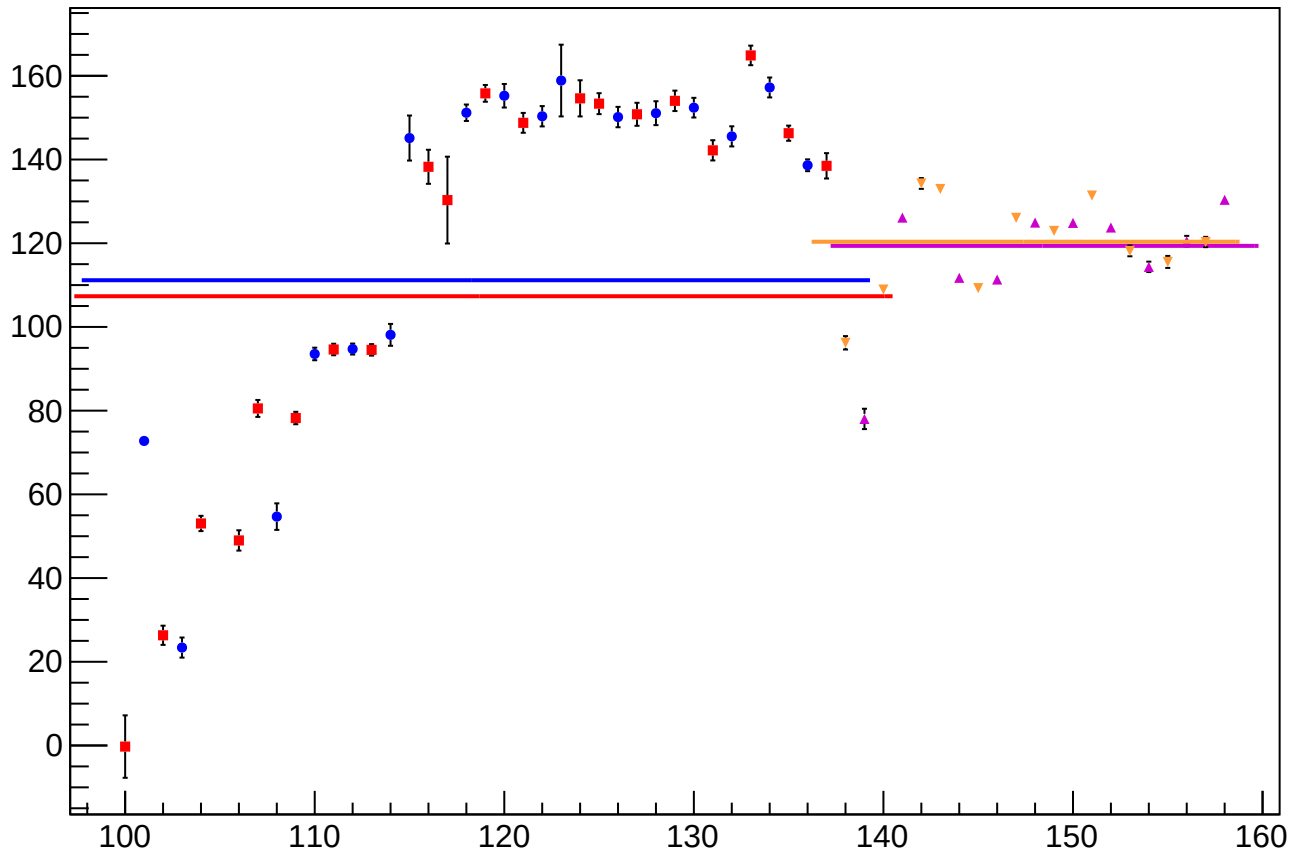
Right Out: -60.593±/0.704 χ^2/NDF : 1390.7/19

Left In: -85.857±/0.385 χ^2/NDF :877.0/9

-77.580±/0.346 χ^2/NDF : 3885.1/27

-80.034±/0.338 χ^2/NDF : 3260.0/29

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 111.60+/-0.489 χ^2/NDF : 5877.6/16

Left Out: 120.358+/-0.327 χ^2/NDF : 946.8/10

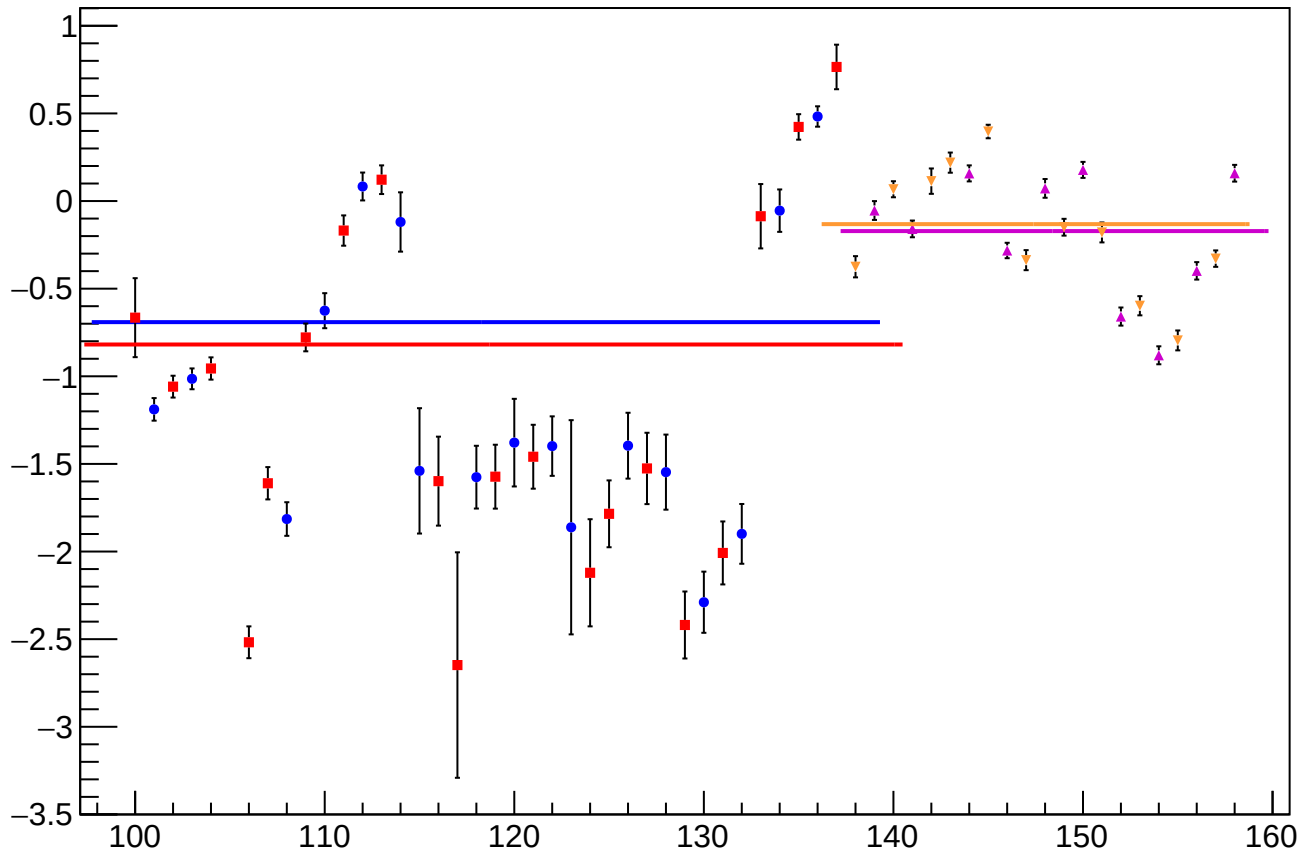
Right Out: 107.334+/-0.487 χ^2/NDF : 7060.0/19

Left In: 119.372+/-0.321 χ^2/NDF : 748.0/9

117.521+/-0.272 χ^2/NDF : 7069.1/27

115.728+/-0.268 χ^2/NDF : 8233.8/29

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.691 ± 0.026 χ^2/NDF : 990.9/16

Left Out: -0.132 ± 0.016 χ^2/NDF : 511.4/10

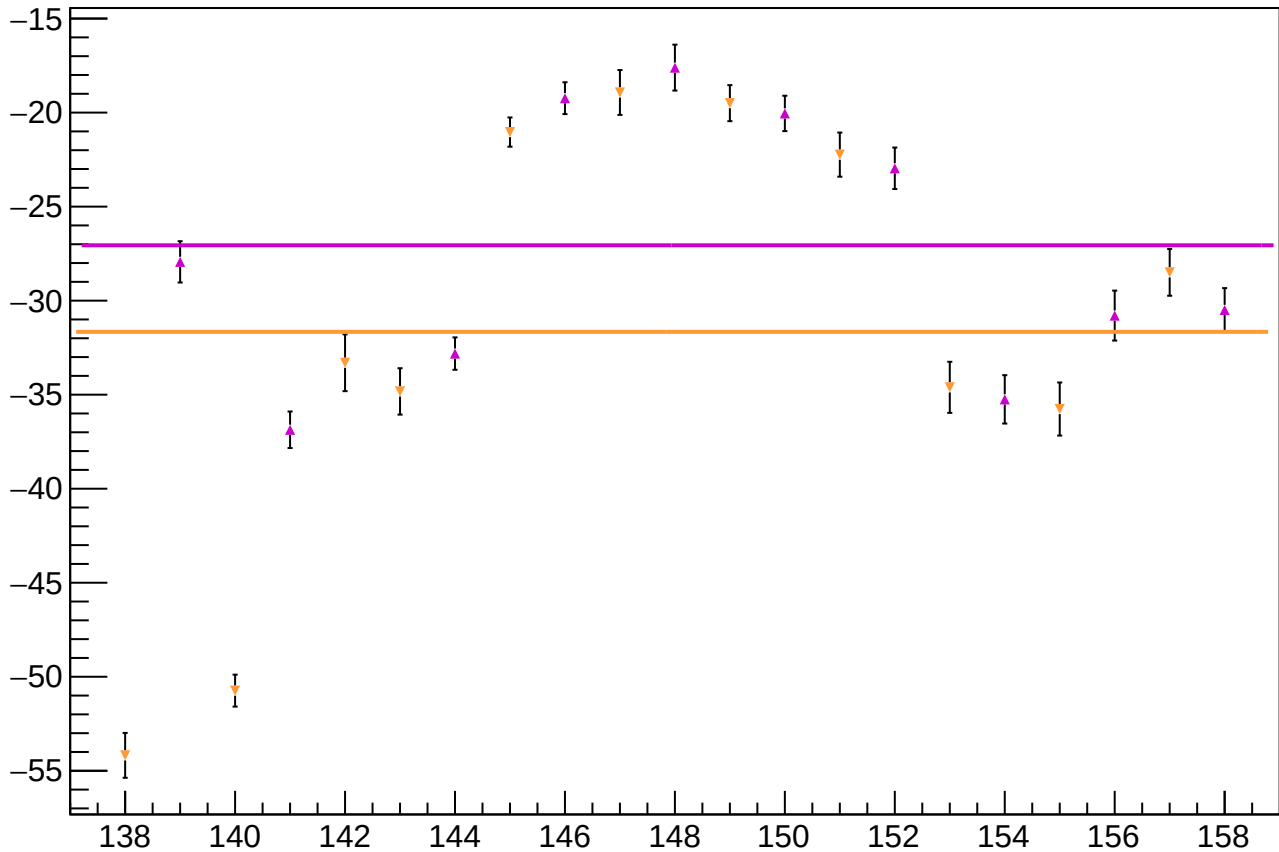
Right Out: -0.819 ± 0.024 χ^2/NDF : 1312.5/19

Left In: -0.171 ± 0.015 χ^2/NDF : 490.7/9

-0.283 ± 0.013 χ^2/NDF : 1844.9/27

-0.357 ± 0.013 χ^2/NDF : 2307.4/29

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



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

Left Out: -31.658+/-0.332 χ^2/NDF : 1413.8/10

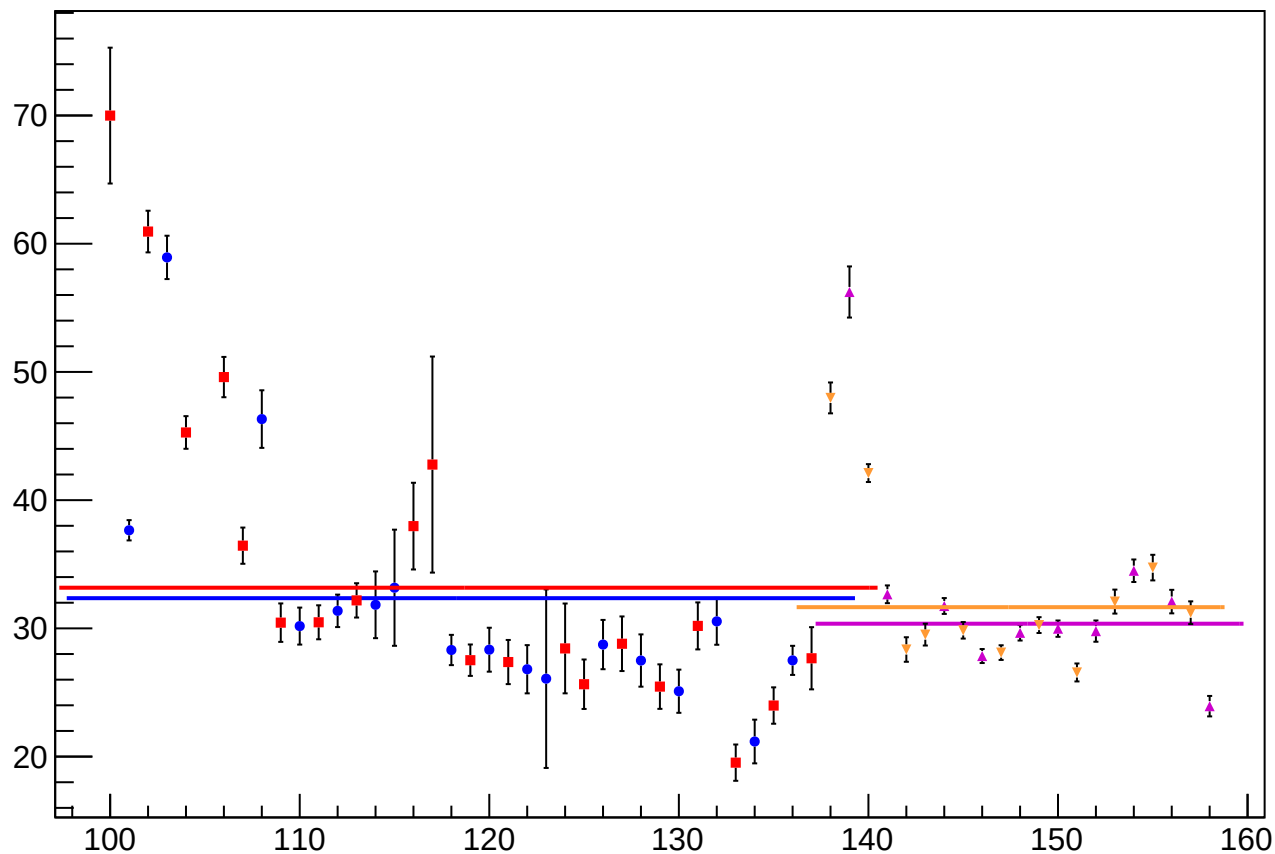
-31.658+/-0.332 χ^2/NDF : 1413.8/10

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

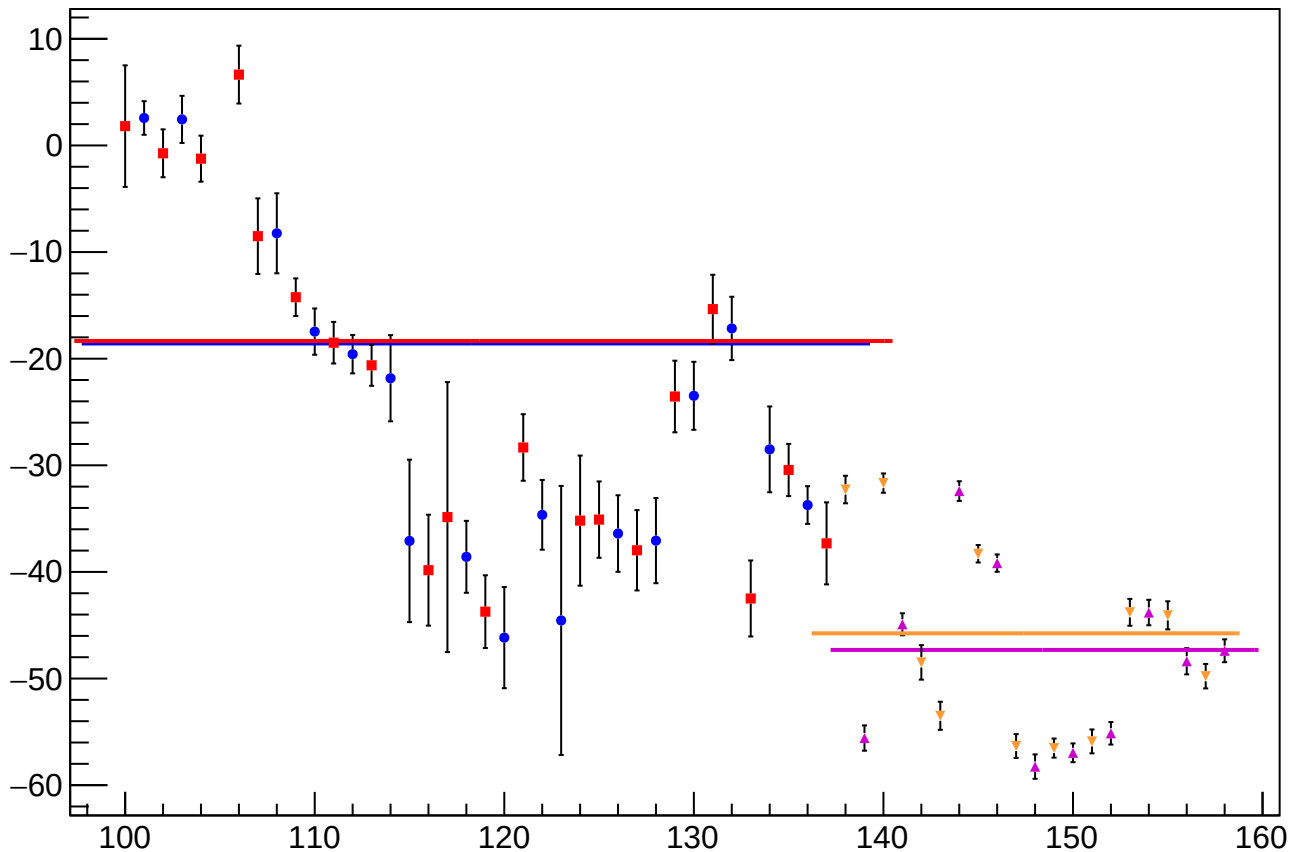
Left In: -27.057+/-0.330 χ^2/NDF : 419.3/9

-27.057+/-0.330 χ^2/NDF : 419.3/9

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -18.572 ± 0.667 χ^2/NDF : 511.5/16

Left Out: -45.760 ± 0.332 χ^2/NDF : 803.7/10

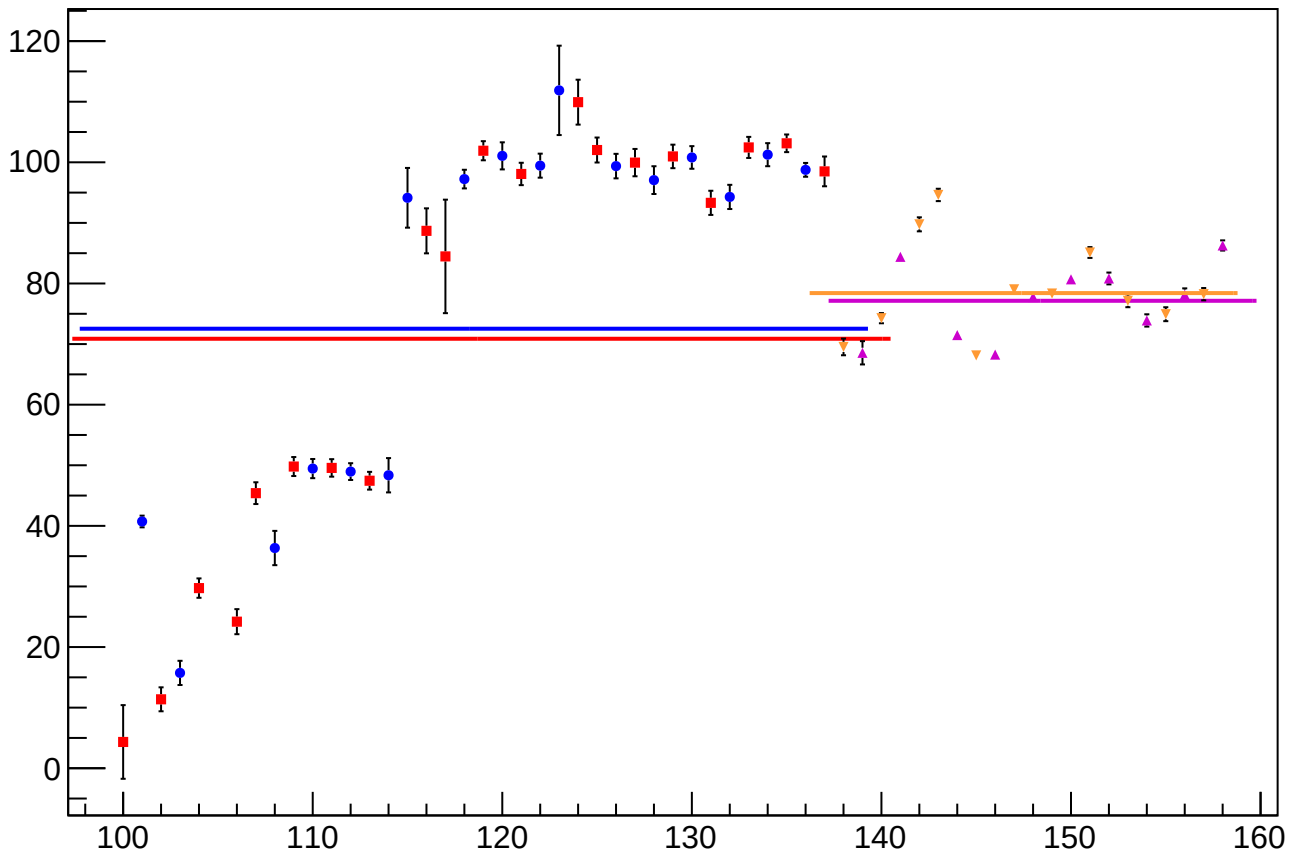
Right Out: -18.343 ± 0.643 χ^2/NDF : 475.1/19

Left In: -47.317 ± 0.324 χ^2/NDF : 690.8/9

-40.372 ± 0.297 χ^2/NDF : 2645.5/27

-41.445 ± 0.289 χ^2/NDF : 2784.8/29

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 72.537 $\pm$ 0.428 χ^2 /NDF: 4684.1/16

Left Out: 78.416 $\pm$ 0.280 χ^2 /NDF: 674.8/10

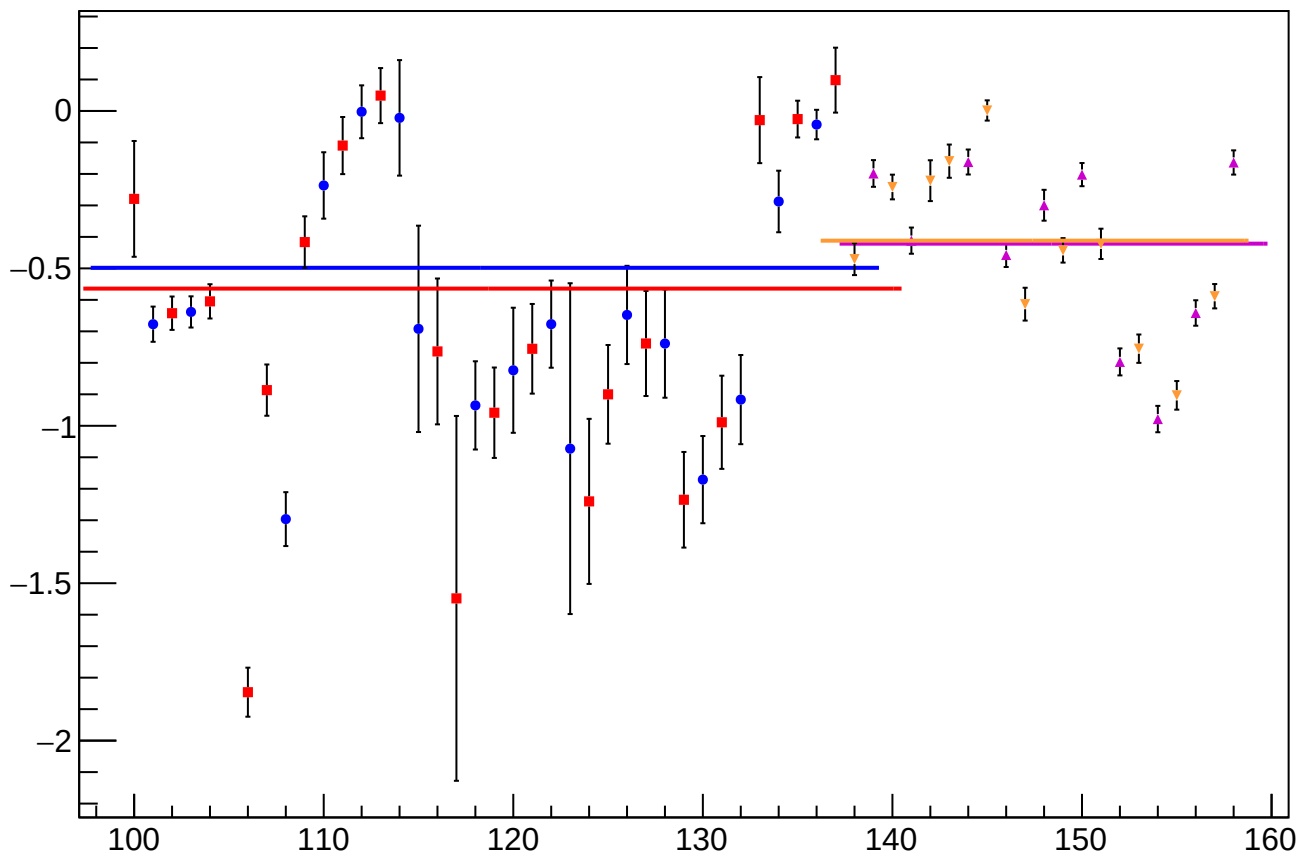
Right Out: 70.878 $\pm$ 0.433 χ^2 /NDF: 5502.3/19

Left In: 77.144 $\pm$ 0.273 χ^2 /NDF: 495.5/9

76.659 $\pm$ 0.234 χ^2 /NDF: 5491.0/27

75.359 $\pm$ 0.231 χ^2 /NDF: 6147.7/29

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.498+/-0.022 χ^2/NDF : 302.8/16

Left Out: -0.412+/-0.013 χ^2/NDF : 428.2/10

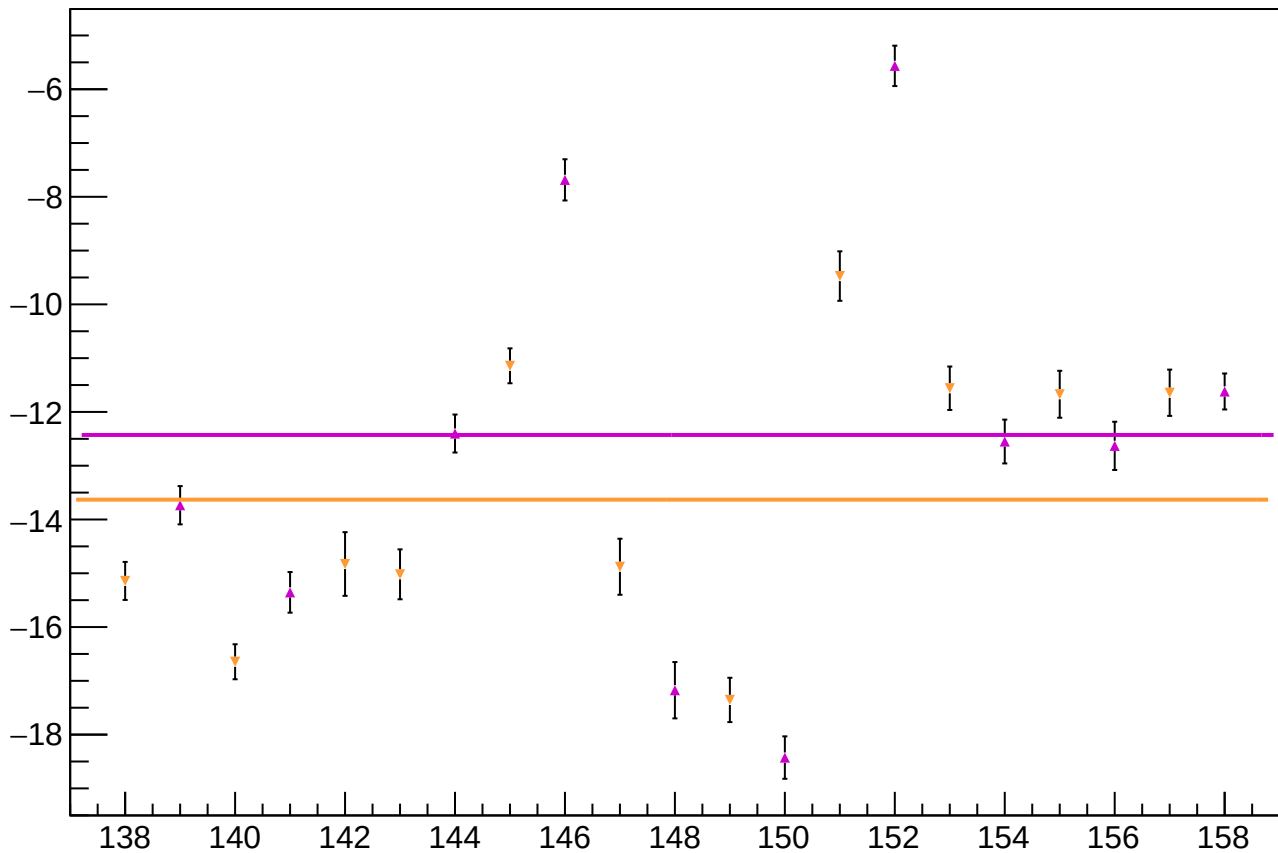
Right Out: -0.564+/-0.021 χ^2/NDF : 563.6/19

Left In: -0.421+/-0.013 χ^2/NDF : 441.0/9

-0.434+/-0.011 χ^2/NDF : 742.0/27

-0.459+/-0.011 χ^2/NDF : 1037.2/29

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: -13.631+/-0.124 χ^2/NDF : 412.8/10

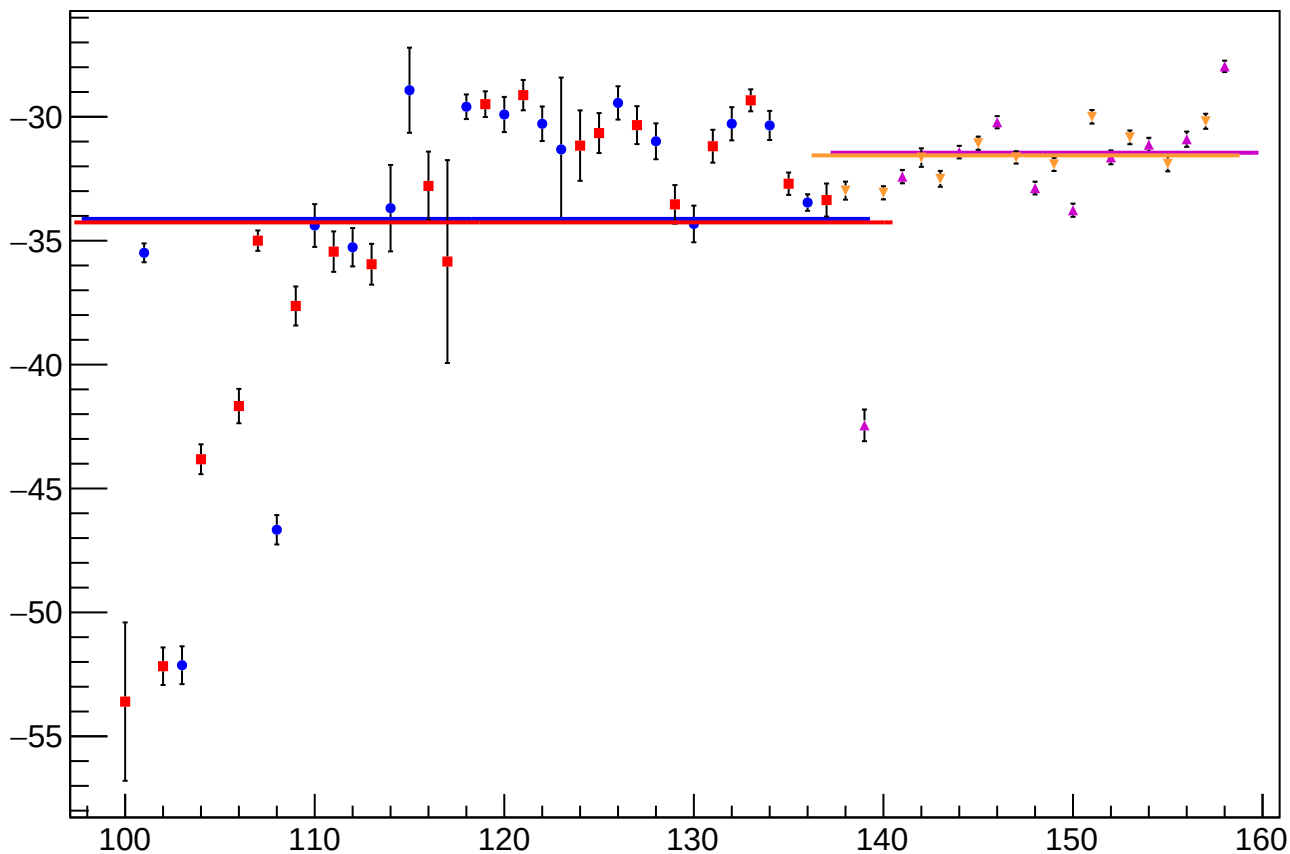
-13.631+/-0.124 χ^2/NDF : 412.8/10

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

Left In: -12.428+/-0.122 χ^2/NDF : 880.2/9

-12.428+/-0.122 χ^2/NDF : 880.2/9

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -34.122 ± 0.152 $\chi^2/\text{NDF}: 1322.4/16$

Left Out: -31.557 ± 0.088 $\chi^2/\text{NDF}: 121.8/10$

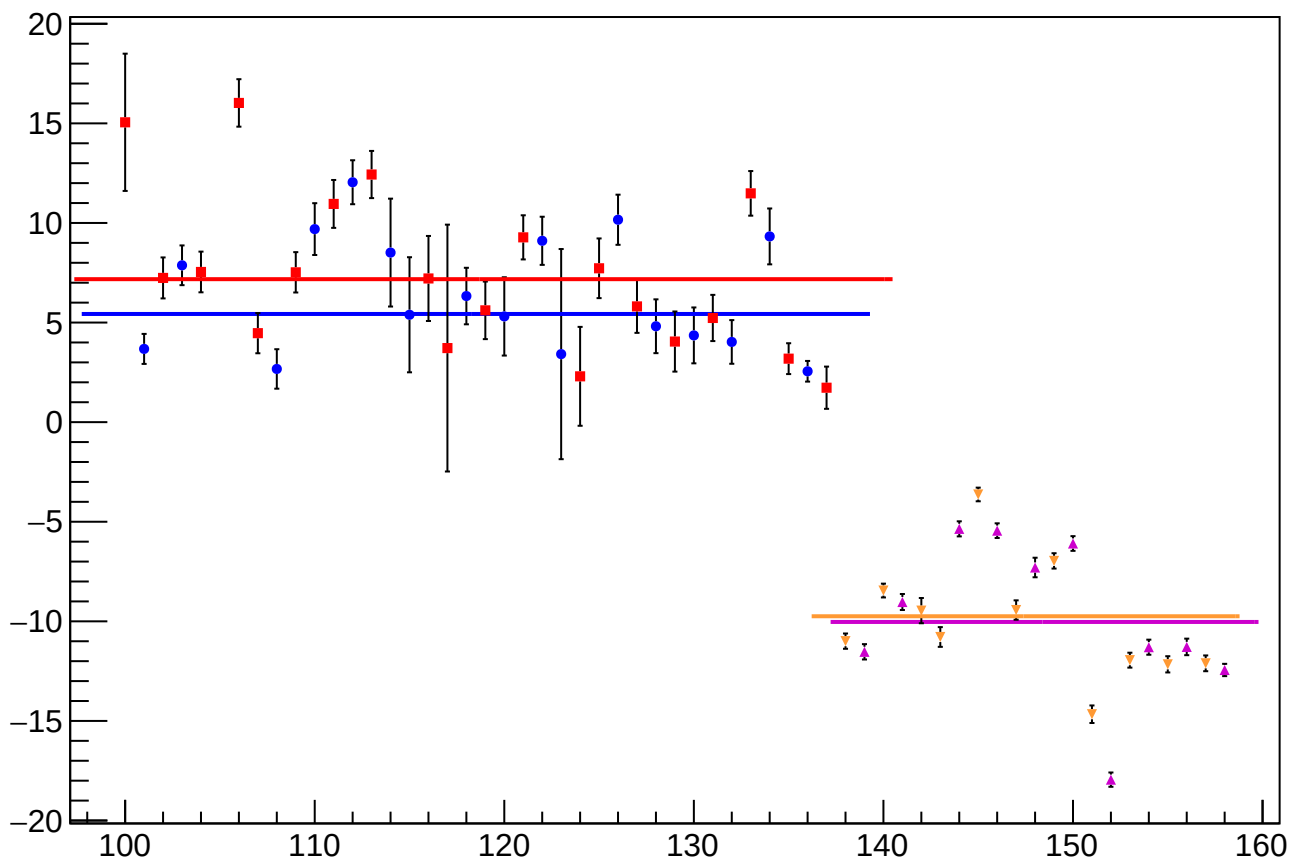
Right Out: -34.262 ± 0.151 $\chi^2/\text{NDF}: 1355.1/19$

Left In: -31.450 ± 0.087 $\chi^2/\text{NDF}: 672.8/9$

-32.200 ± 0.076 $\chi^2/\text{NDF}: 1658.1/27$

-32.153 ± 0.075 $\chi^2/\text{NDF}: 2288.9/29$

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: -9.745+/-0.123 χ^2/NDF : 629.5/10

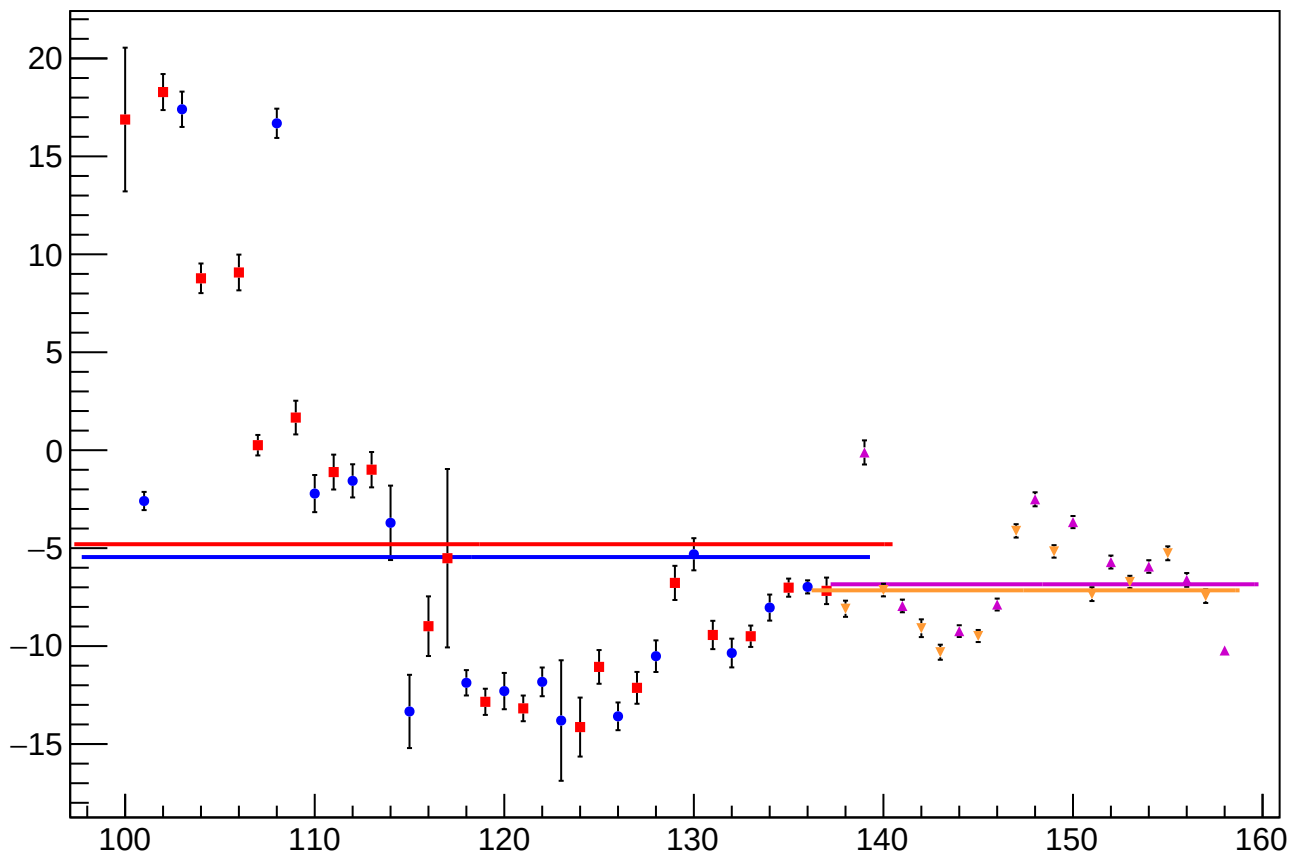
Right Out: 7.178+/-0.274 χ^2/NDF : 182.4/19

Left In: -10.031+/-0.120 χ^2/NDF : 1041.5/9

-7.135+/-0.112 χ^2/NDF : 3369.8/27

-7.277+/-0.110 χ^2/NDF : 4533.2/29

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: -7.154+/-0.105 χ^2/NDF : 296.6/10

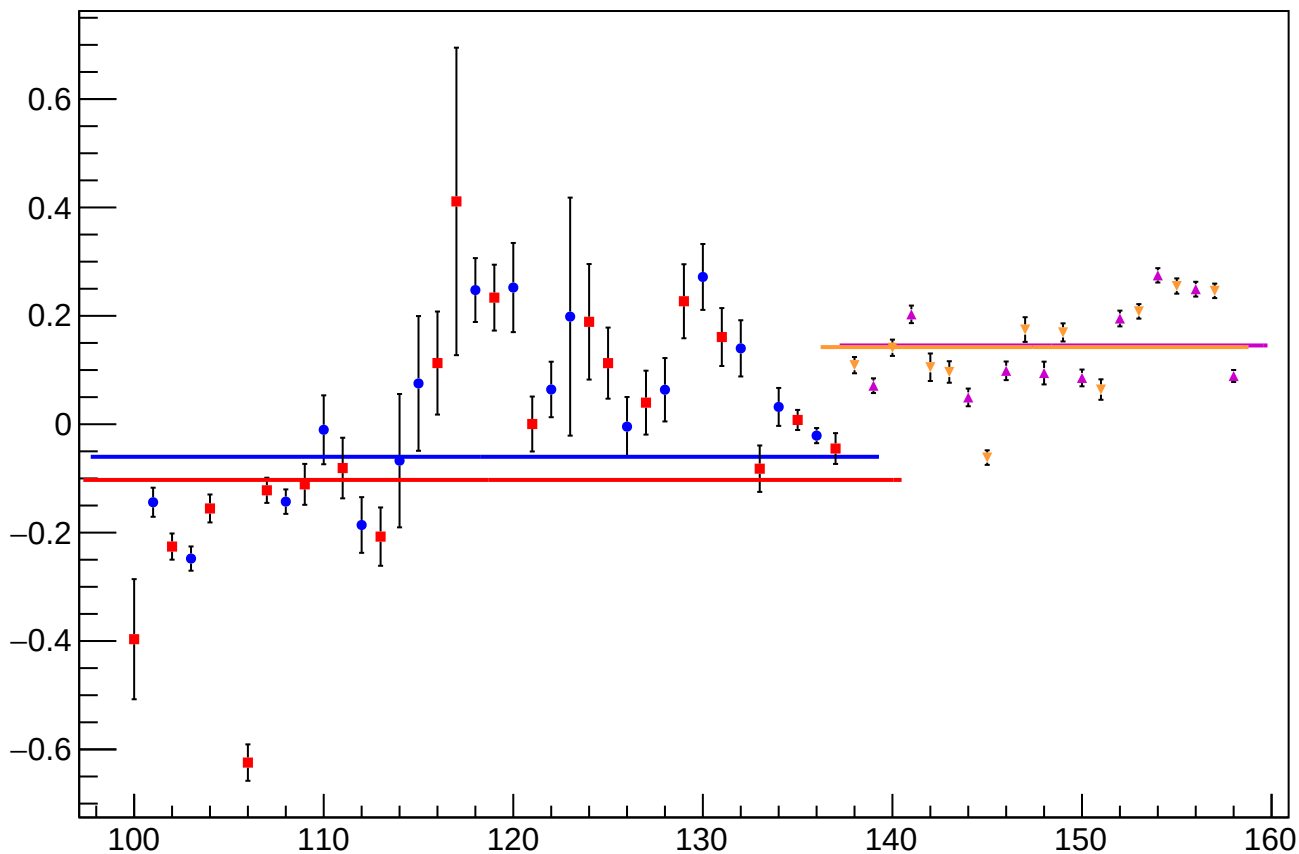
Right Out: -4.799+/-0.173 χ^2/NDF : 2047.5/19

Left In: -6.845+/-0.102 χ^2/NDF : 672.2/9

-6.686+/-0.090 χ^2/NDF : 2464.8/27

-6.316+/-0.088 χ^2/NDF : 2823.6/29

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: 0.142 ± 0.005 χ^2/NDF : 412.7/10

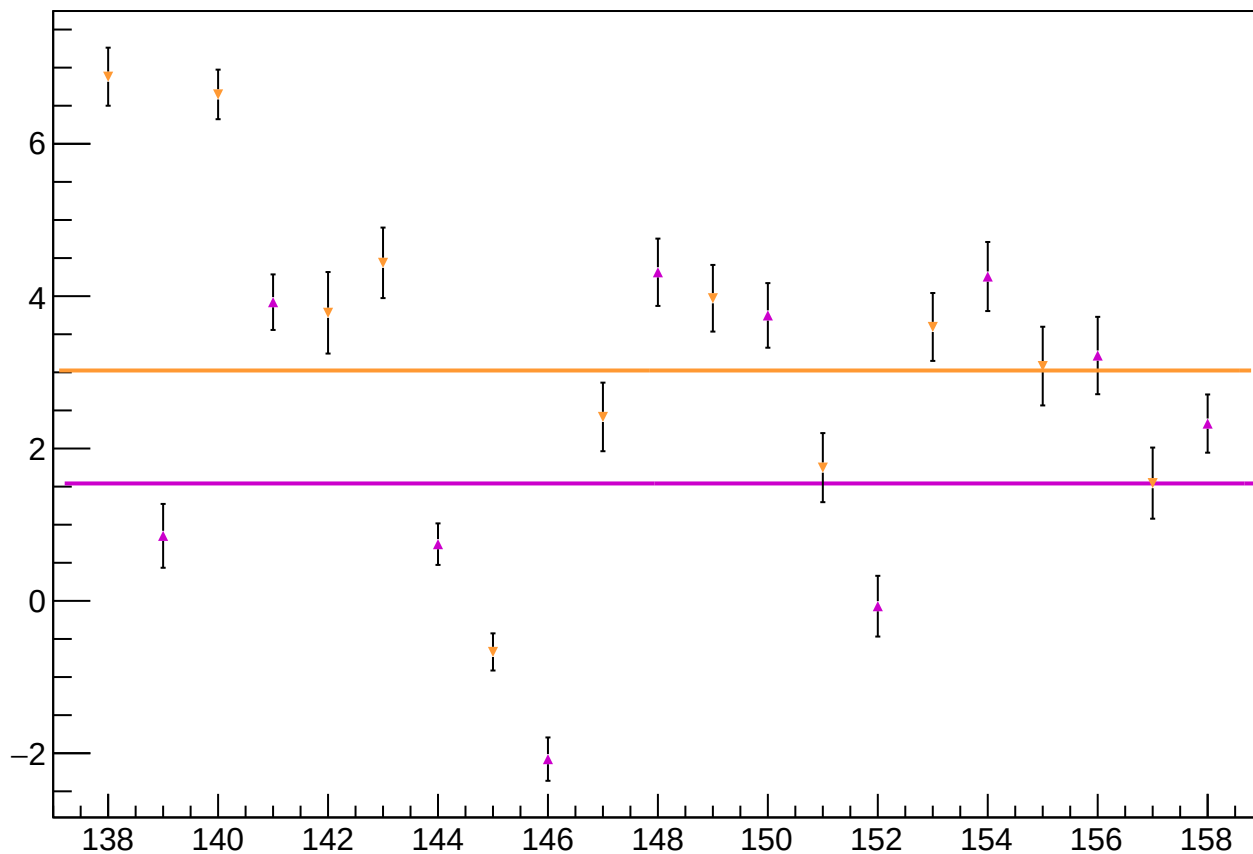
Right Out: -0.103 ± 0.008 χ^2/NDF : 437.6/19

Left In: 0.145 ± 0.005 χ^2/NDF : 295.5/9

0.092 ± 0.004 χ^2/NDF : 1064.7/27

0.088 ± 0.004 χ^2/NDF : 1398.3/29

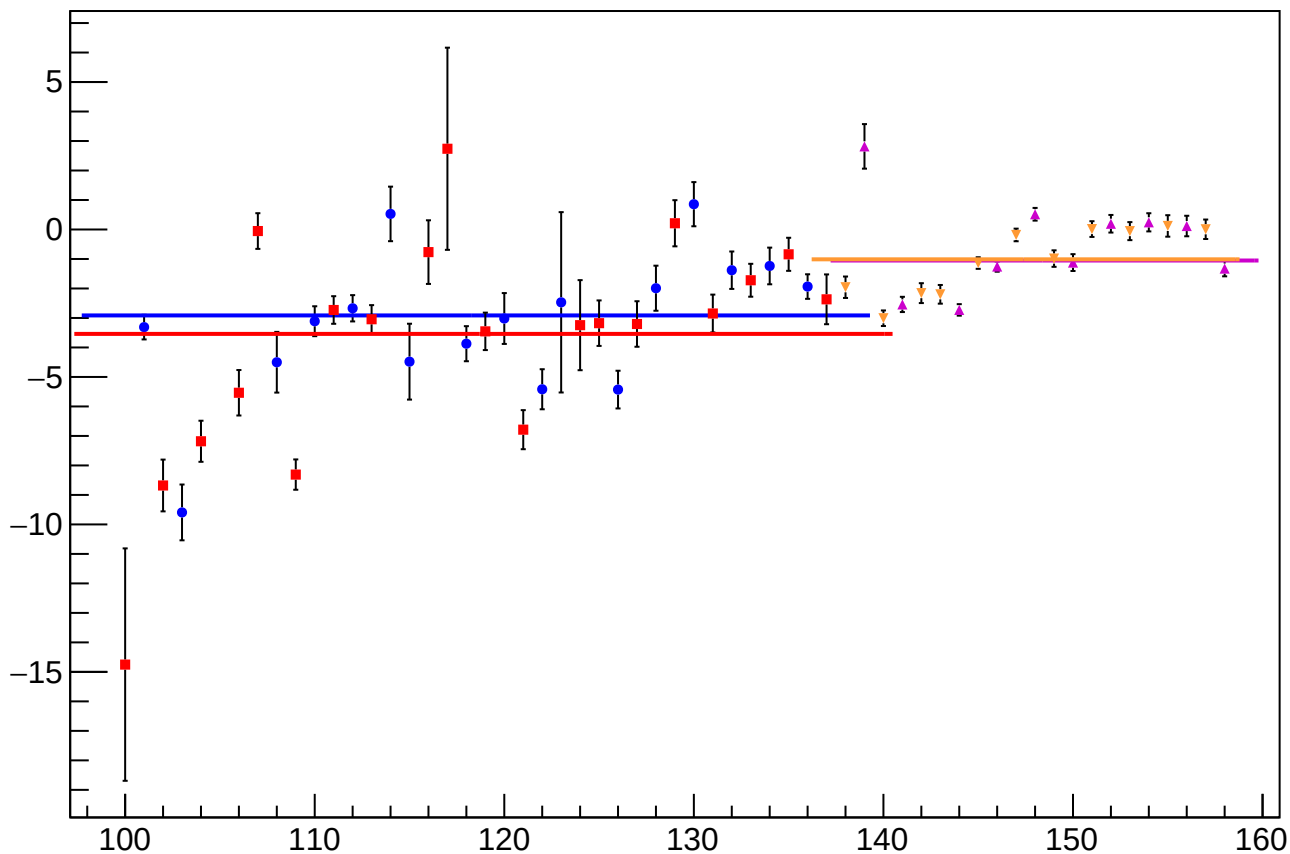
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



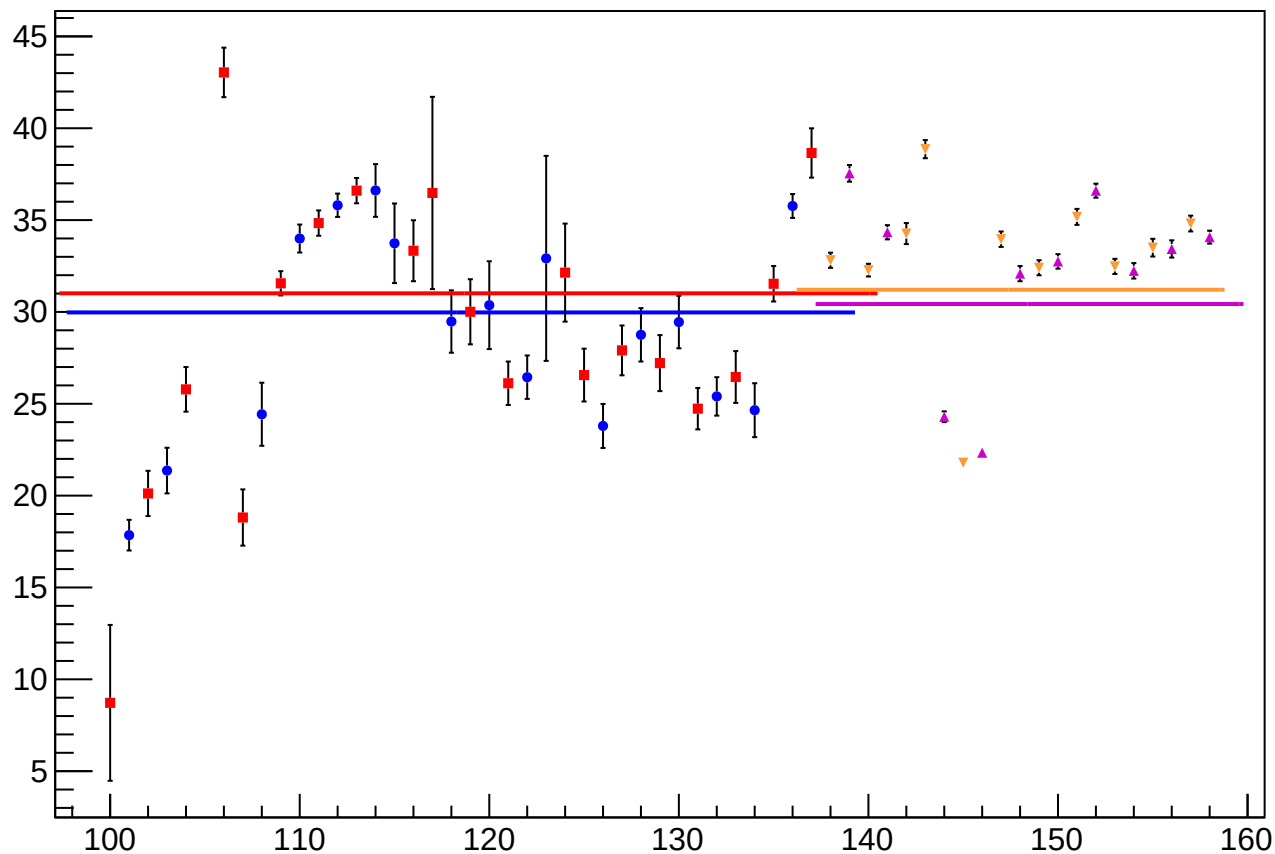
Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.024 $\pm$ 0.120 χ^2 /NDF:493.5/10
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 1.541 $\pm$ 0.118 χ^2 /NDF:349.4/9

3.024 $\pm$ 0.120 χ^2 /NDF: 493.5/10
 1.541 $\pm$ 0.118 χ^2 /NDF: 349.4/9

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



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: 31.208 ± 0.121 $\chi^2/\text{NDF}: 1844.5/10$

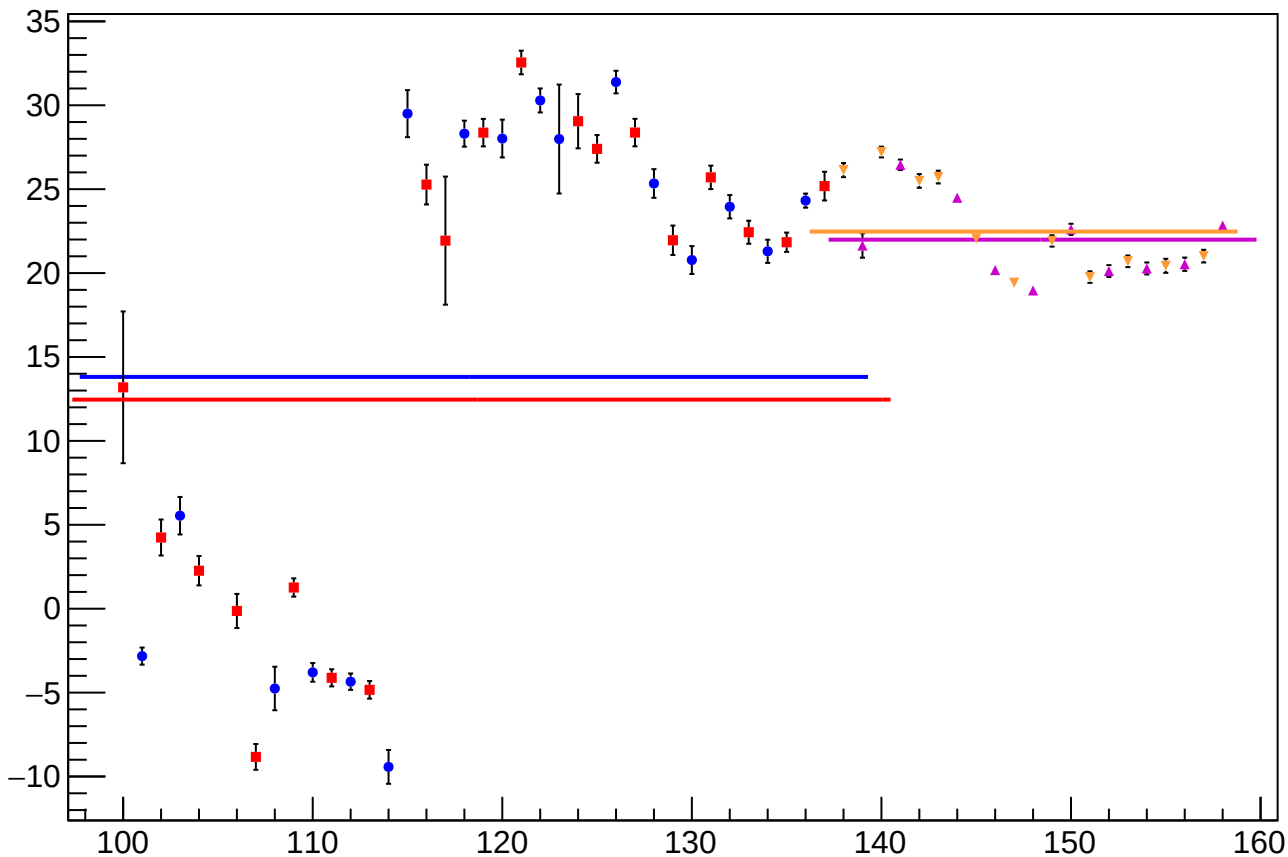
Right Out: 31.013 ± 0.260 $\chi^2/\text{NDF}: 480.6/19$

Left In: 30.430 ± 0.116 $\chi^2/\text{NDF}: 2144.5/9$

30.999 ± 0.110 $\chi^2/\text{NDF}: 2416.6/27$

30.527 ± 0.106 $\chi^2/\text{NDF}: 2629.3/29$

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: 22.473 $\pm$ 0.101 χ^2 /NDF:662.0/10

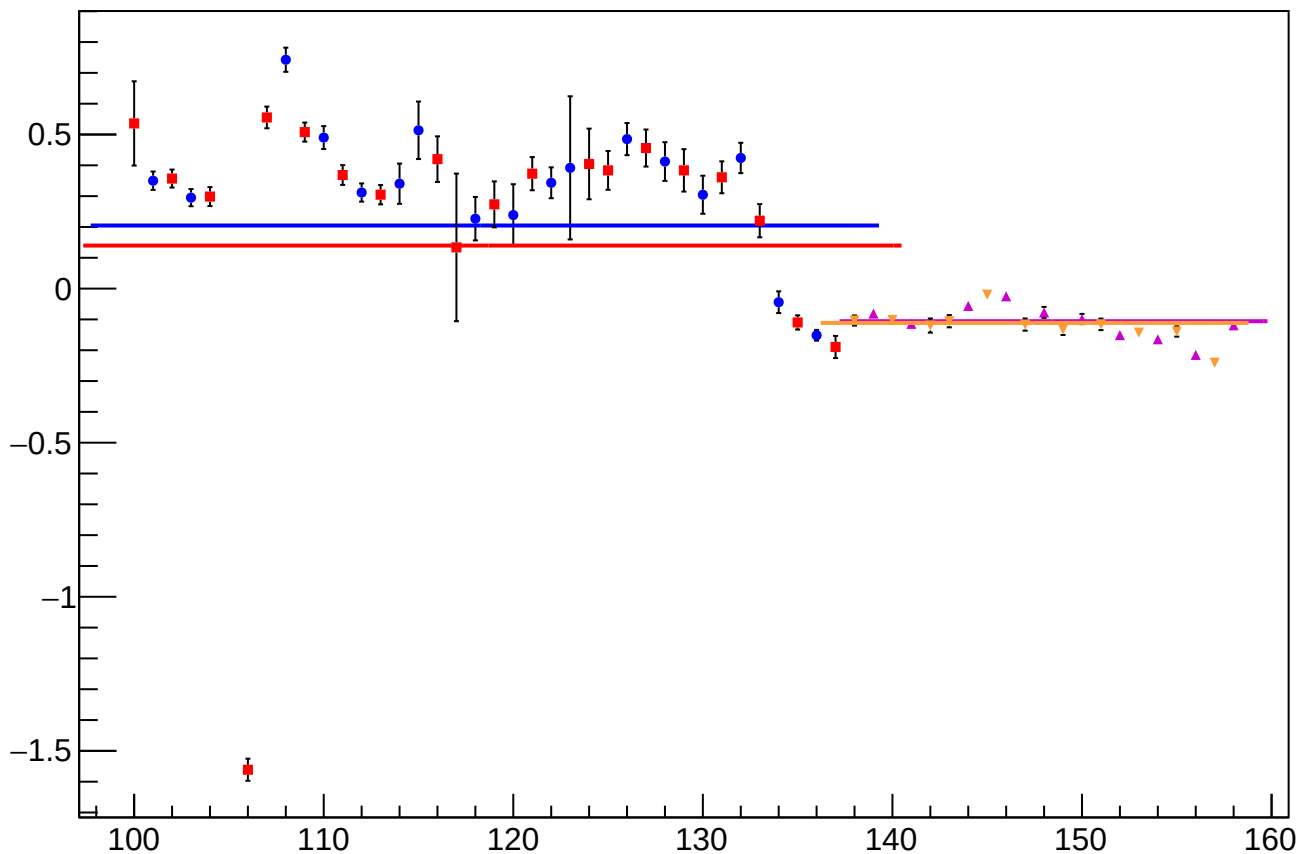
Right Out: 12.460 $\pm$ 0.174 χ^2 /NDF: 6976.5/19

Left In: 21.991 $\pm$ 0.097 χ^2 /NDF:568.7/9

20.254 $\pm$ 0.087 χ^2 /NDF: 9851.6/27

19.735 $\pm$ 0.084 χ^2 /NDF: 9847.5/29

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.205 $\pm$ 0.009 χ^2 /NDF: 845.8/16

Left Out: -0.111 $\pm$ 0.005 χ^2 /NDF: 170.4/10

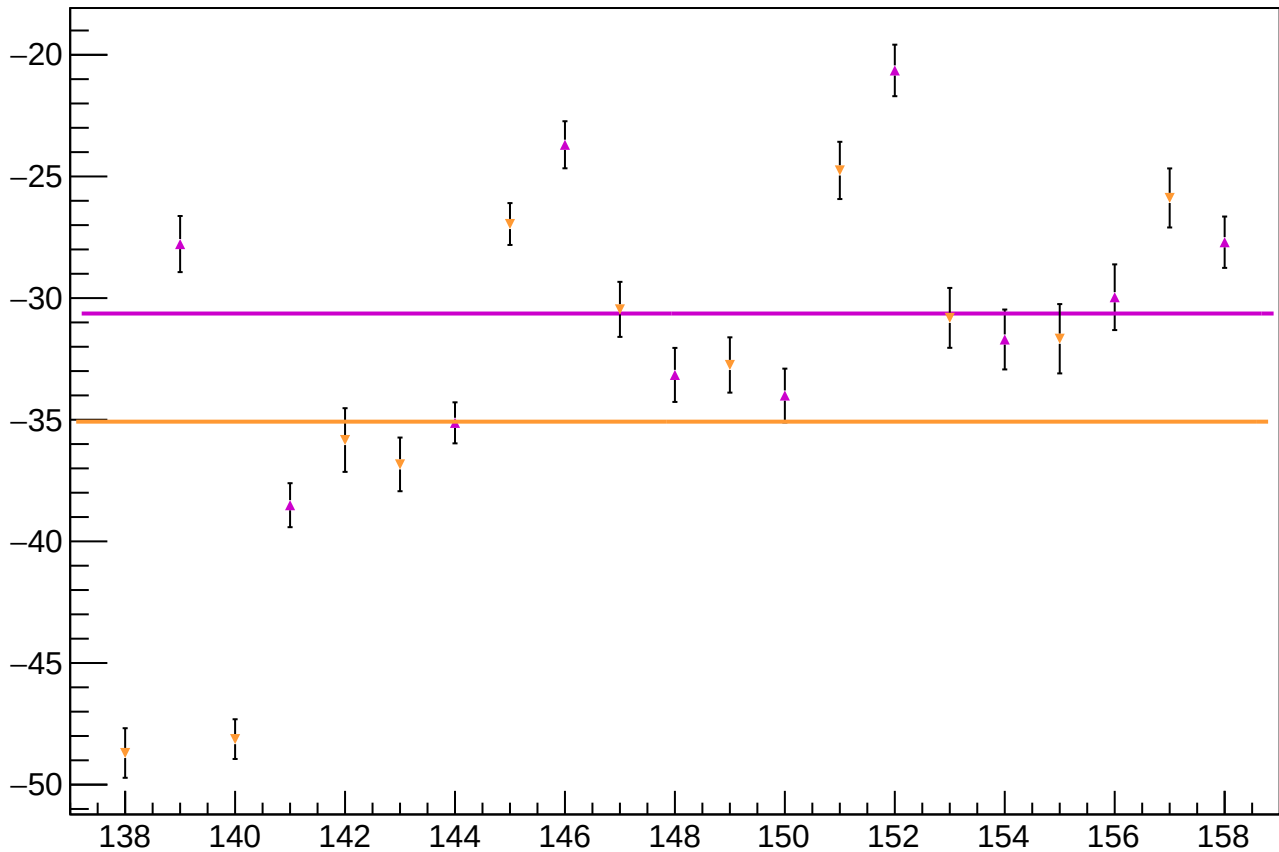
Right Out: 0.140 $\pm$ 0.009 χ^2 /NDF: 3014.2/19

Left In: -0.106 $\pm$ 0.005 χ^2 /NDF: 136.7/9

-0.046 $\pm$ 0.004 χ^2 /NDF: 1918.4/27

-0.056 $\pm$ 0.004 χ^2 /NDF: 3718.2/29

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: -35.079+/-0.327 χ^2/NDF : 699.0/10

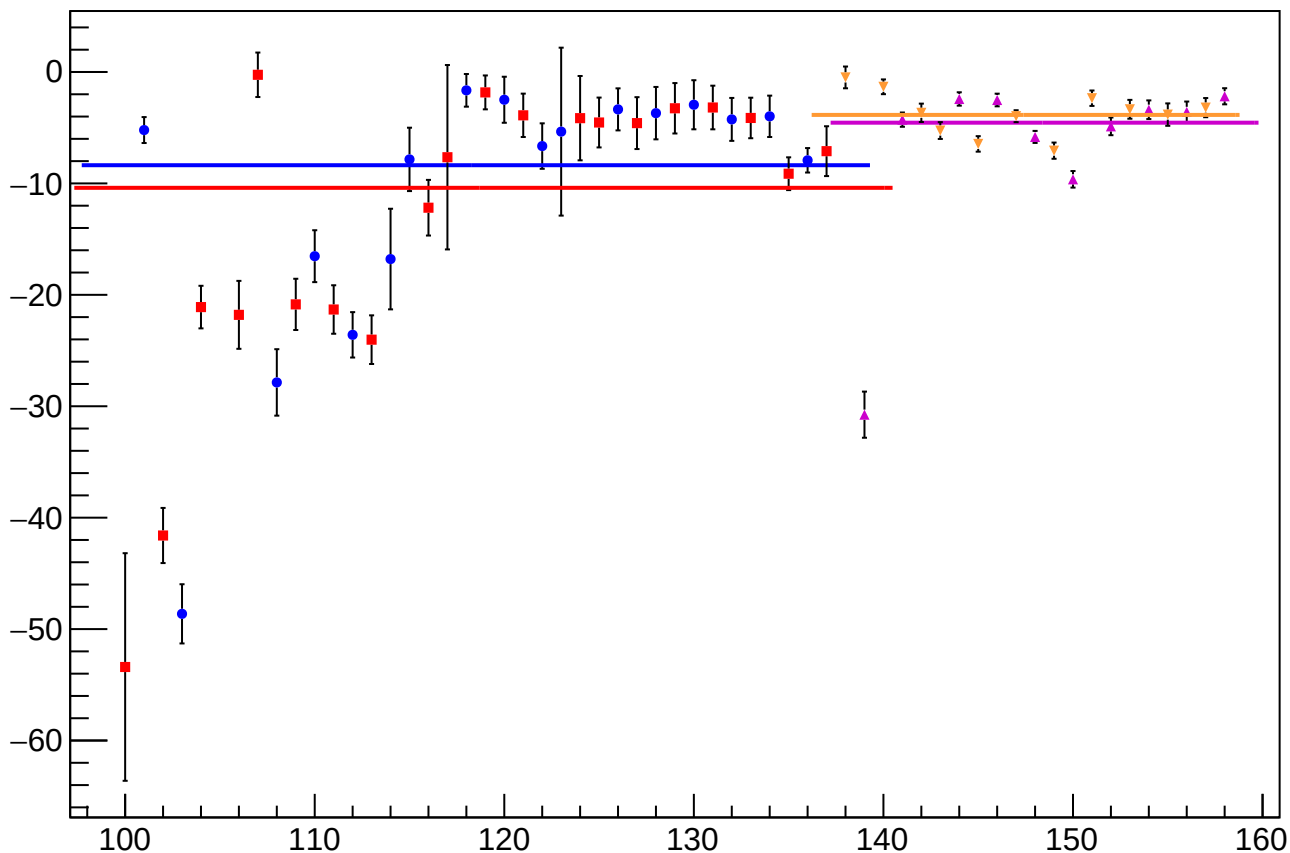
-35.079+/-0.327 χ^2/NDF : 699.0/10

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

-30.634+/-0.332 χ^2/NDF : 274.1/9

Left In: -30.634+/-0.332 χ^2/NDF : 274.1/9

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -8.367 $\pm$ 0.466 χ^2 /NDF: 408.8/16

Left Out: -3.852 $\pm$ 0.225 χ^2 /NDF: 69.1/10

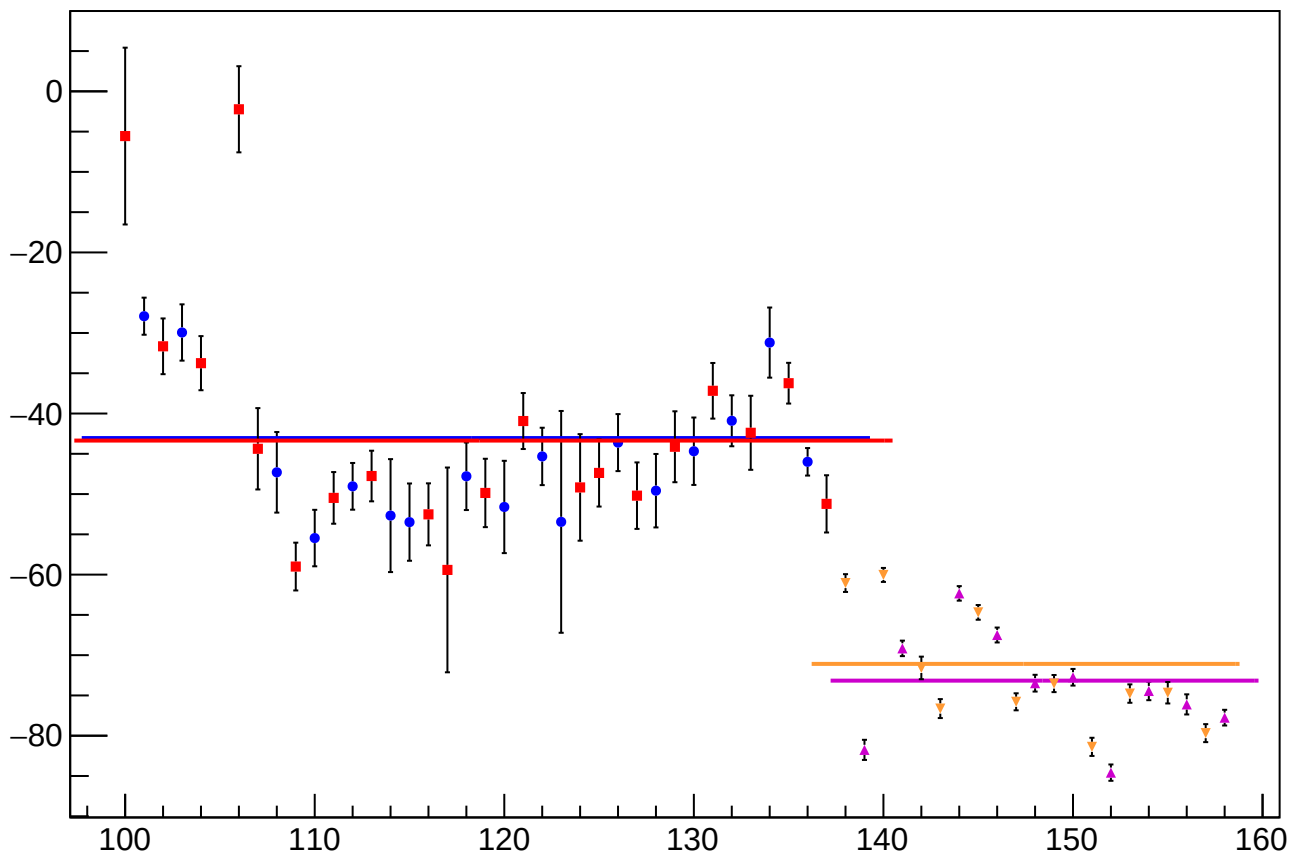
Right Out: -10.396 $\pm$ 0.490 χ^2 /NDF: 430.4/19

Left In: -4.550 $\pm$ 0.224 χ^2 /NDF: 252.0/9

-4.703 $\pm$ 0.202 χ^2 /NDF: 554.0/27

-5.562 $\pm$ 0.204 χ^2 /NDF: 800.1/29

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: -71.083 ± 0.328 $\chi^2/\text{NDF}: 500.7/10$

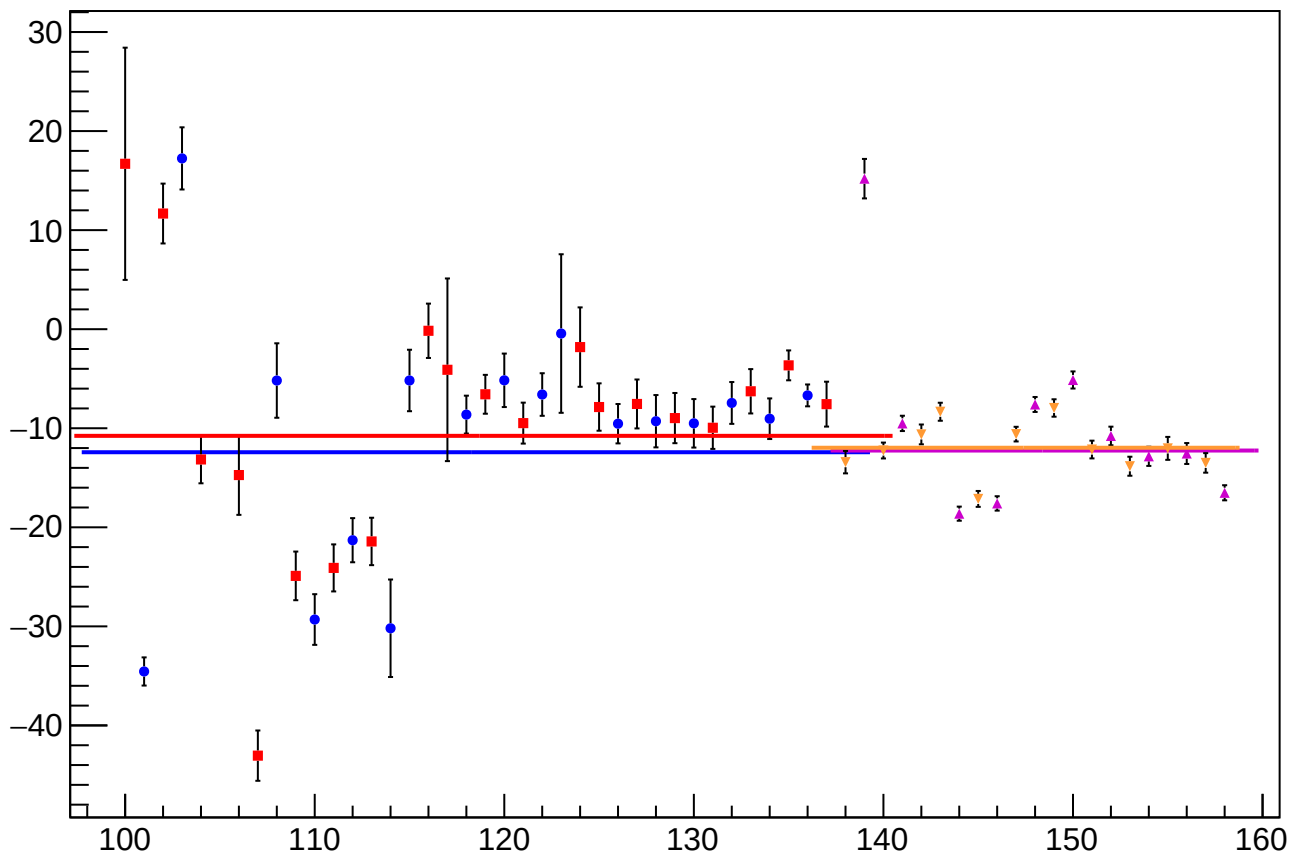
Right Out: -43.357 ± 0.865 $\chi^2/\text{NDF}: 156.0/19$

Left In: -73.163 ± 0.326 $\chi^2/\text{NDF}: 402.6/9$

-67.345 ± 0.306 $\chi^2/\text{NDF}: 1571.5/27$

-69.457 ± 0.305 $\chi^2/\text{NDF}: 1597.9/29$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -12.421 ± 0.523 χ^2/NDF : 474.4/16

Left Out: -11.969 ± 0.274 χ^2/NDF : 91.5/10

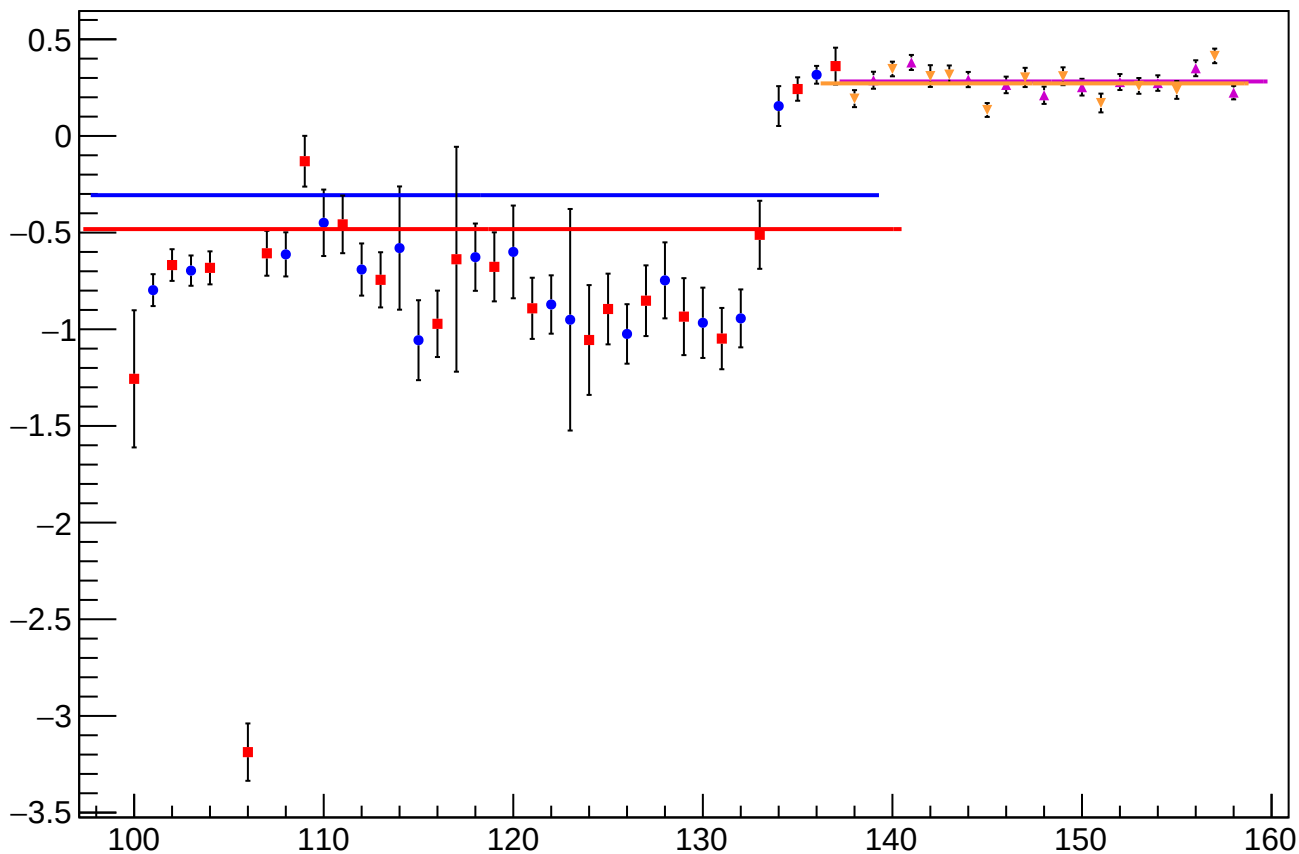
Right Out: -10.766 ± 0.553 χ^2/NDF : 366.3/19

Left In: -12.250 ± 0.270 χ^2/NDF : 476.2/9

-12.066 ± 0.243 χ^2/NDF : 566.5/27

-11.964 ± 0.243 χ^2/NDF : 848.4/29

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: 0.272 ± 0.013 χ^2/NDF : 43.4/10

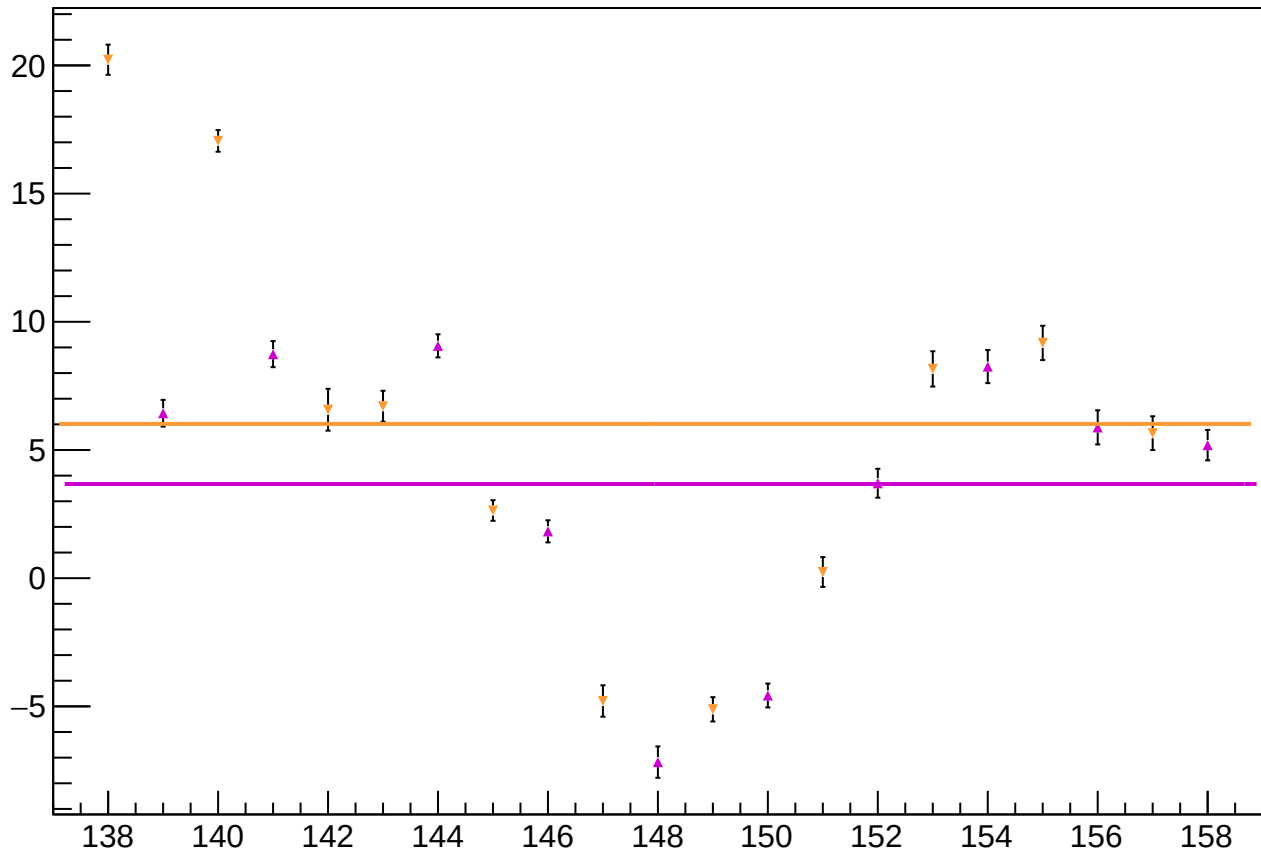
Right Out: -0.482 ± 0.029 χ^2/NDF : 628.3/19

Left In: 0.282 ± 0.013 χ^2/NDF : 15.2/9

0.165 ± 0.012 χ^2/NDF : 774.0/27

0.153 ± 0.012 χ^2/NDF : 1237.4/29

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: 6.017 $\pm$ 0.167 χ^2 /NDF:2335.7/10

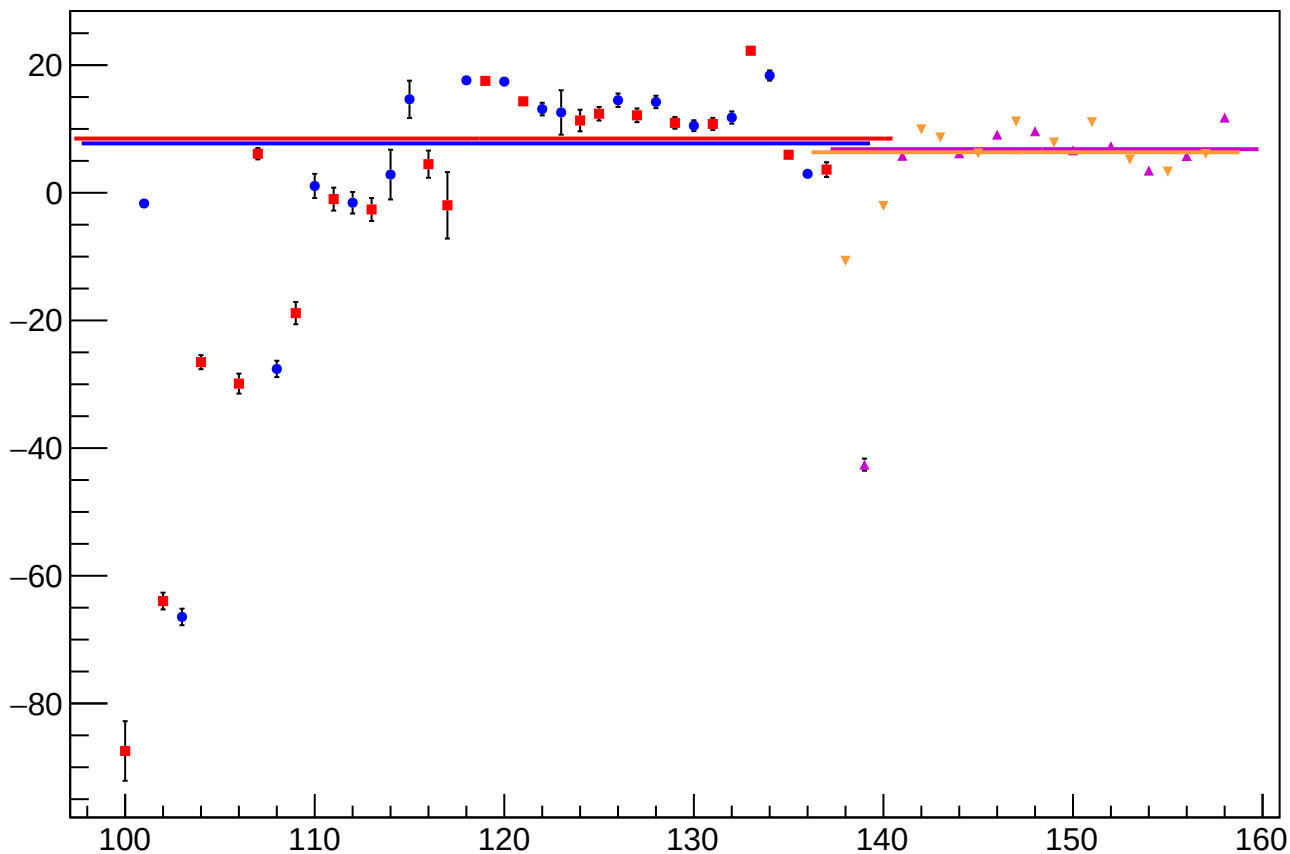
6.017 $\pm$ 0.167 χ^2 /NDF: 2335.7/10

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

Left In: 3.672 $\pm$ 0.167 χ^2 /NDF:984.8/9

3.672 $\pm$ 0.167 χ^2 /NDF: 984.8/9

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: 6.350 ± 0.116 χ^2/NDF : 1997.2/10

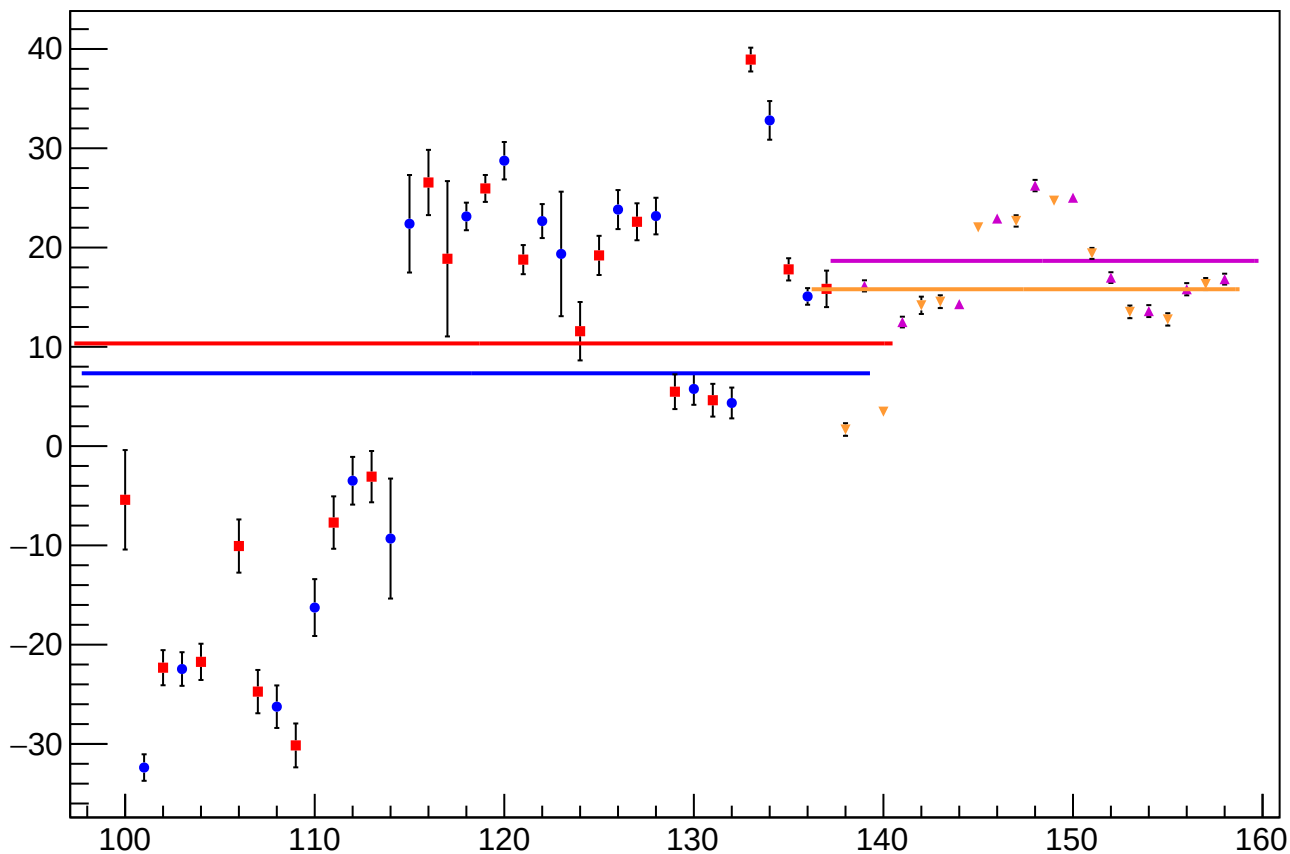
Right Out: 8.496 ± 0.213 χ^2/NDF : 6723.5/19

Left In: 6.830 ± 0.116 χ^2/NDF : 3115.9/9

6.657 ± 0.103 χ^2/NDF : 7329.3/27

7.213 ± 0.102 χ^2/NDF : 9886.5/29

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: 15.800+/-0.167 χ^2/NDF : 2096.1/10

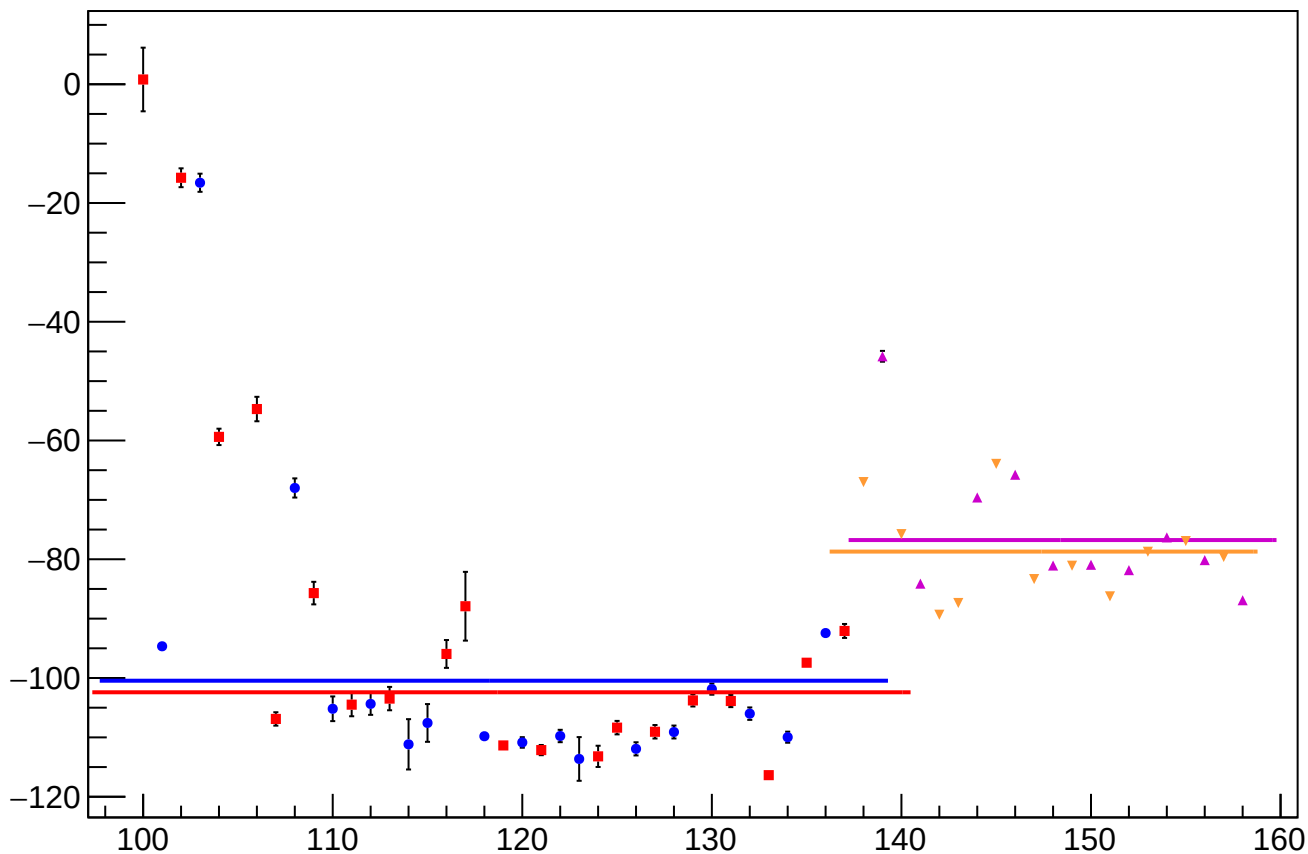
Right Out: 10.342+/-0.416 χ^2/NDF : 2282.7/19

Left In: 18.658+/-0.164 χ^2/NDF : 839.3/9

14.637+/-0.155 χ^2/NDF : 4742.1/27

17.542+/-0.153 χ^2/NDF : 3467.6/29

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: -78.709 ± 0.141 χ^2/NDF : 2935.1/10

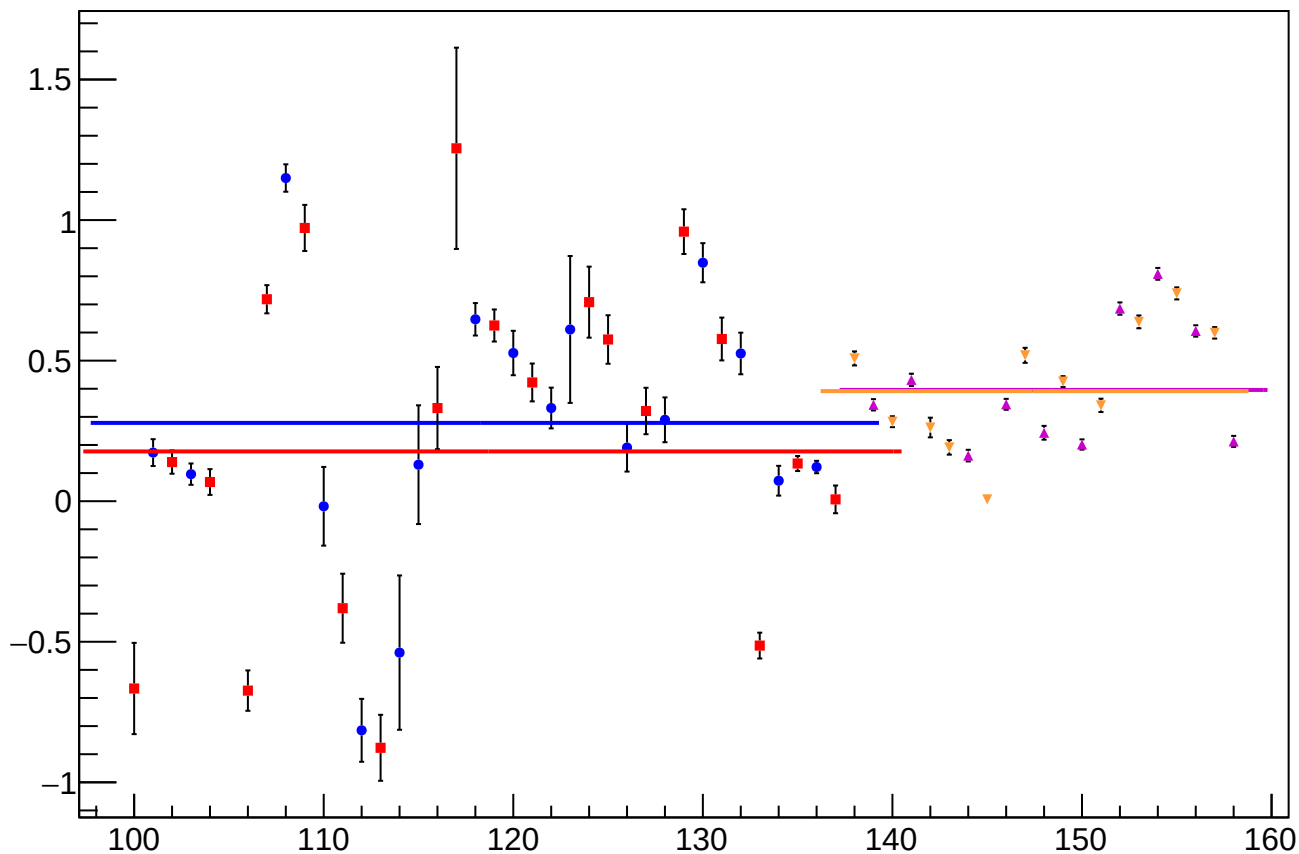
Right Out: -102.405 ± 0.246 χ^2/NDF : 6100.6/19

Left In: -76.766 ± 0.139 χ^2/NDF : 3756.5/9

-83.929 ± 0.123 χ^2/NDF : 13113.4/27

-82.956 ± 0.121 χ^2/NDF : 18094.3/29

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: 0.392 ± 0.007 χ^2/NDF : 1170.5/10

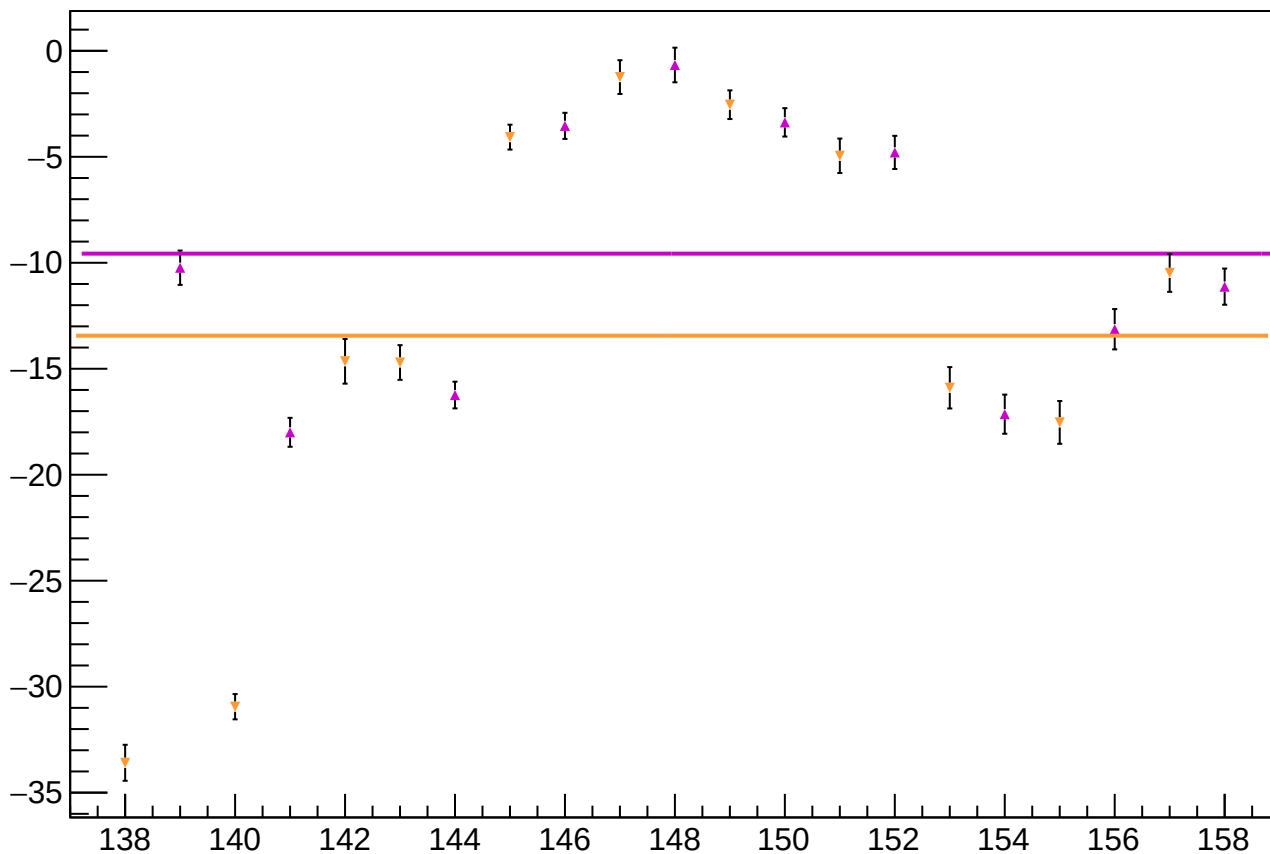
Right Out: 0.177 ± 0.013 χ^2/NDF : 976.8/19

Left In: 0.396 ± 0.007 χ^2/NDF : 1048.8/9

0.370 ± 0.006 χ^2/NDF : 1880.7/27

0.354 ± 0.006 χ^2/NDF : 2239.5/29

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



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

Left Out: -13.440 $\pm$ 0.235 χ^2 /NDF: 2320.6/10

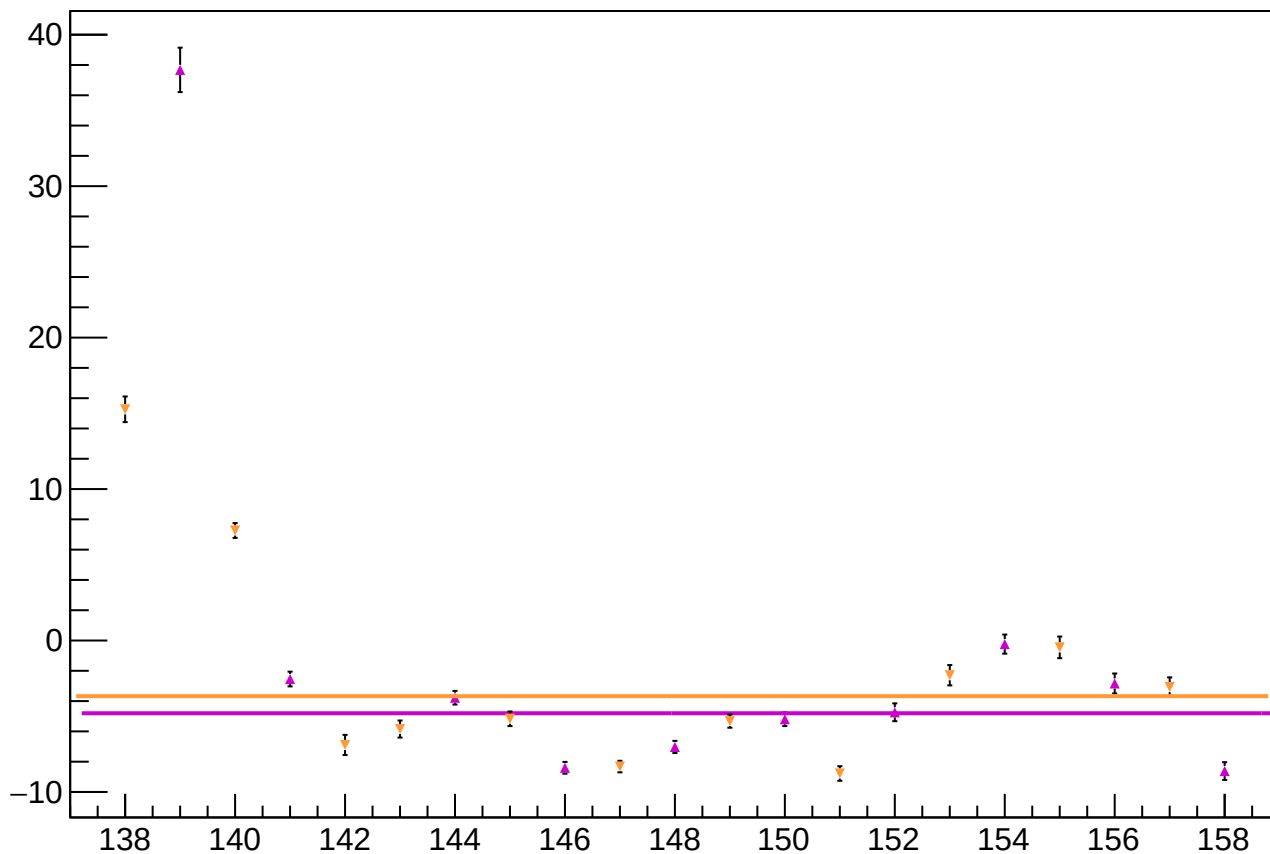
-13.440 $\pm$ 0.235 χ^2 /NDF: 2320.6/10

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

Left In: -9.568 $\pm$ 0.237 χ^2 /NDF: 687.2/9

-9.568 $\pm$ 0.237 χ^2 /NDF: 687.2/9

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



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

Left Out: -3.675+/-0.161 χ^2/NDF : 1349.2/10

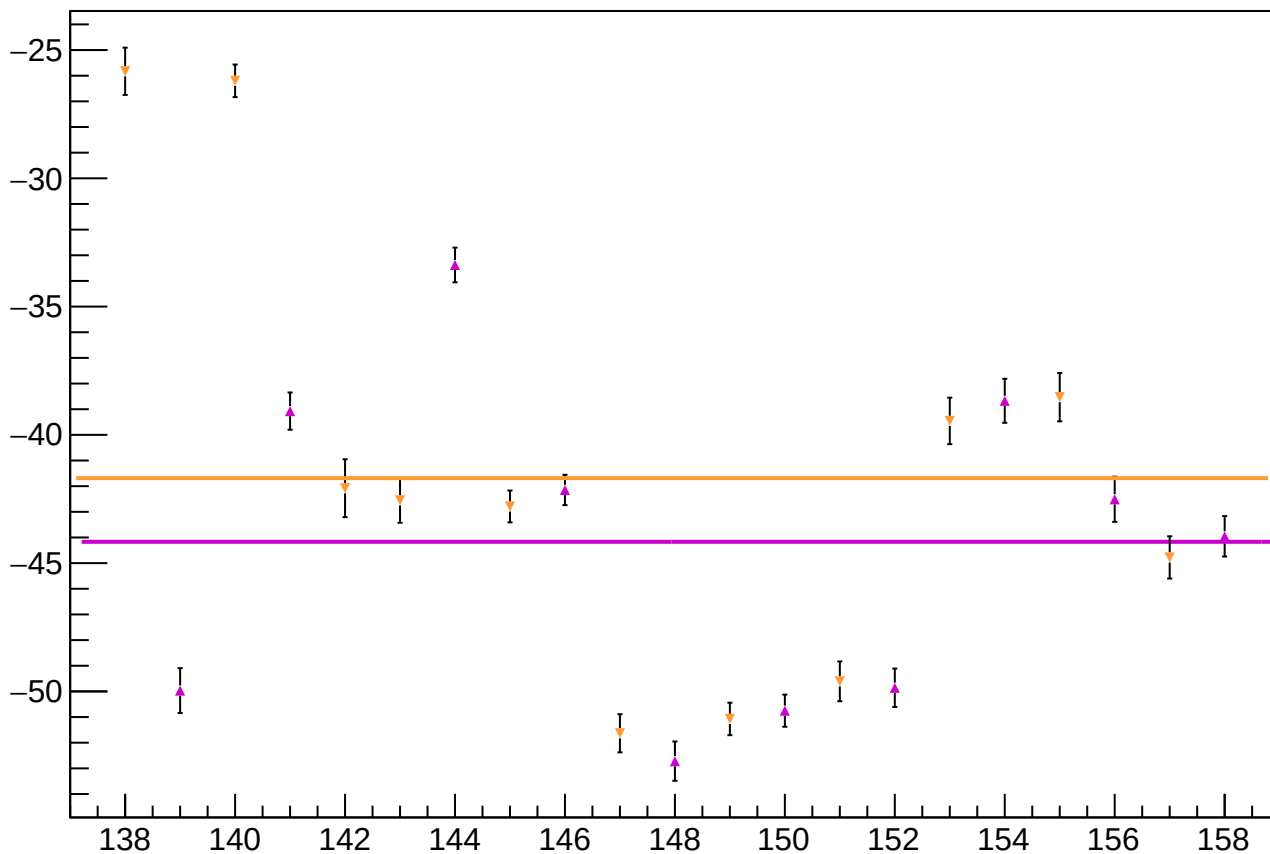
-3.675+/-0.161 χ^2/NDF : 1349.2/10

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

Left In: -4.803+/-0.162 χ^2/NDF : 1086.5/9

-4.803+/-0.162 χ^2/NDF : 1086.5/9

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -41.687 ± 0.235 χ^2/NDF : 1429.7/10

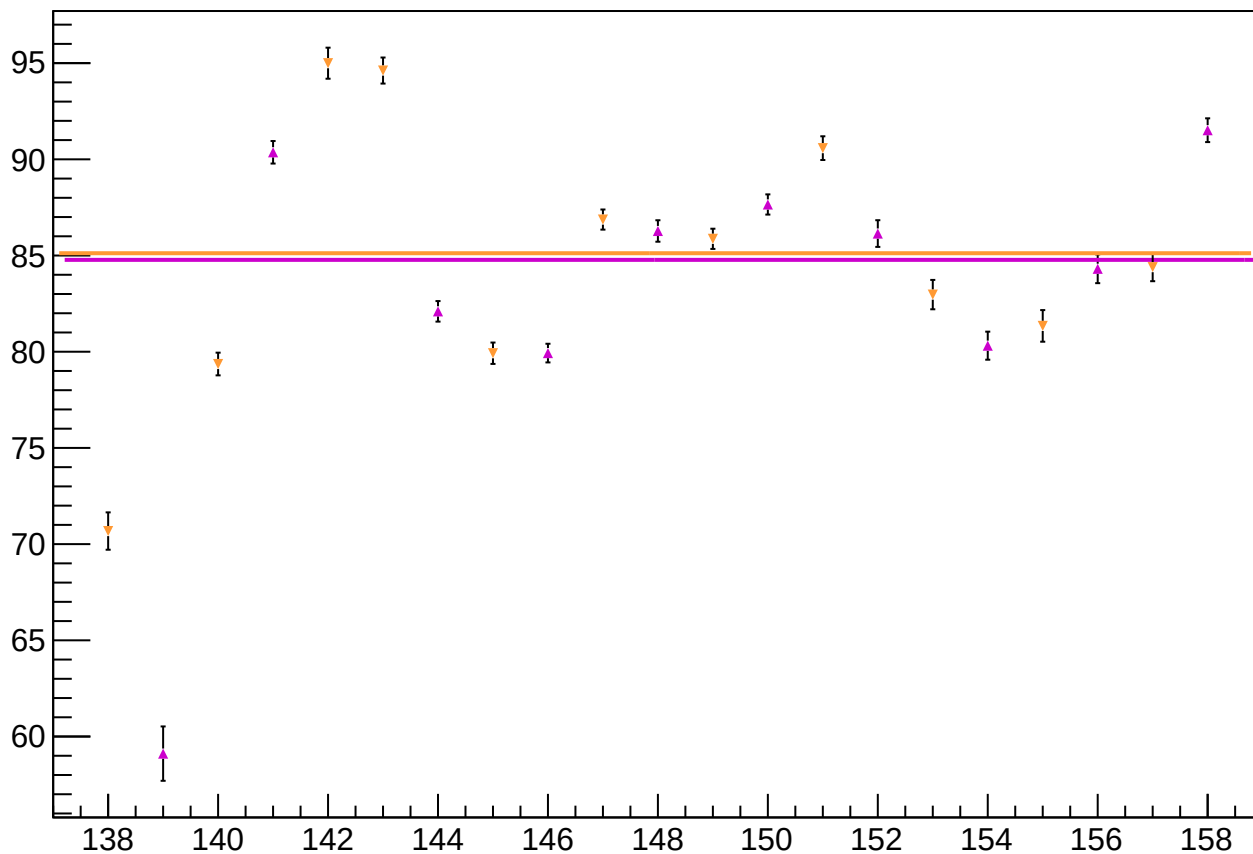
-41.687 ± 0.235 χ^2/NDF : 1429.7/10

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

Left In: -44.169 ± 0.232 χ^2/NDF : 697.5/9

-44.169 ± 0.232 χ^2/NDF : 697.5/9

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



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

Left Out: 85.120+/-0.197 χ^2/NDF : 872.4/10

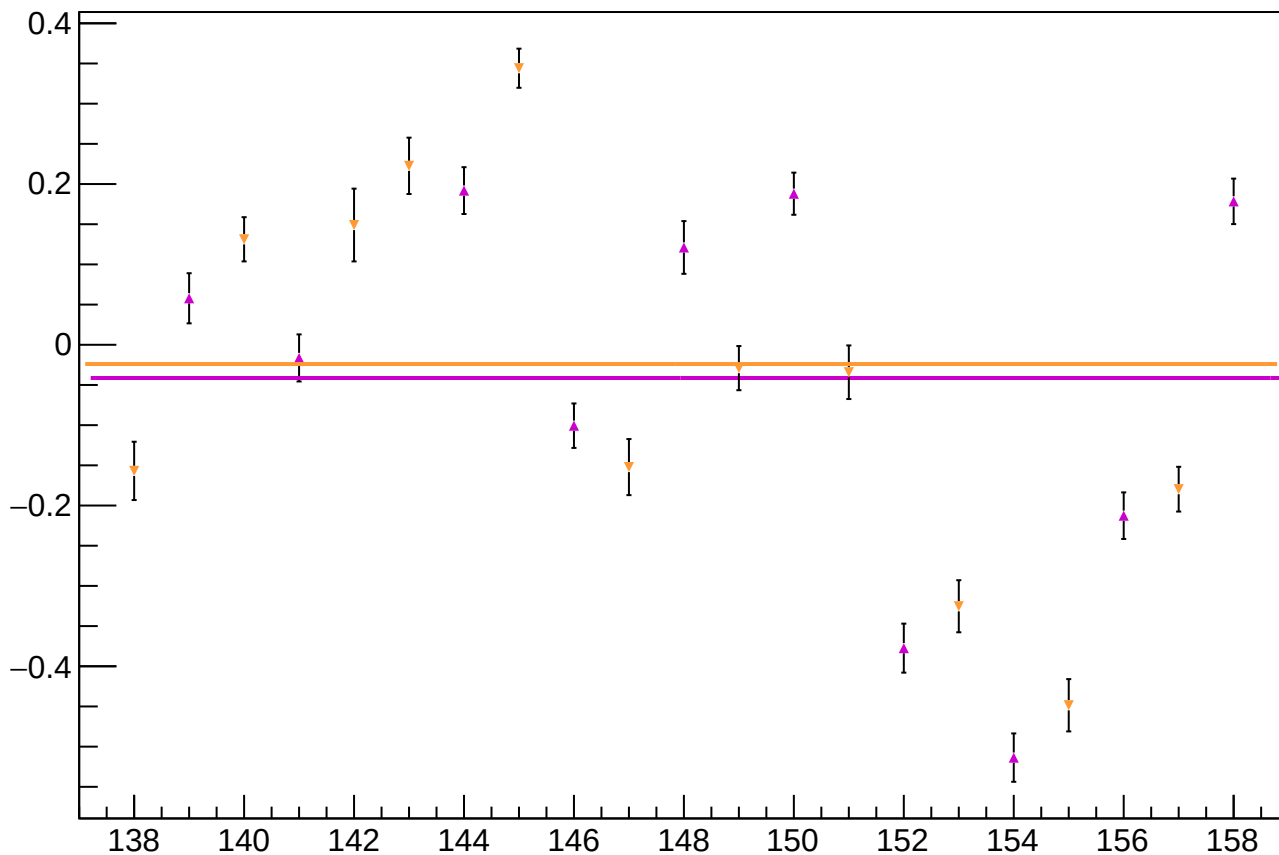
85.120+/-0.197 χ^2/NDF : 872.4/10

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

Left In: 84.775+/-0.195 χ^2/NDF : 744.1/9

84.775+/-0.195 χ^2/NDF : 744.1/9

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: -0.024 $\pm$ 0.009 χ^2 /NDF: 639.7/10

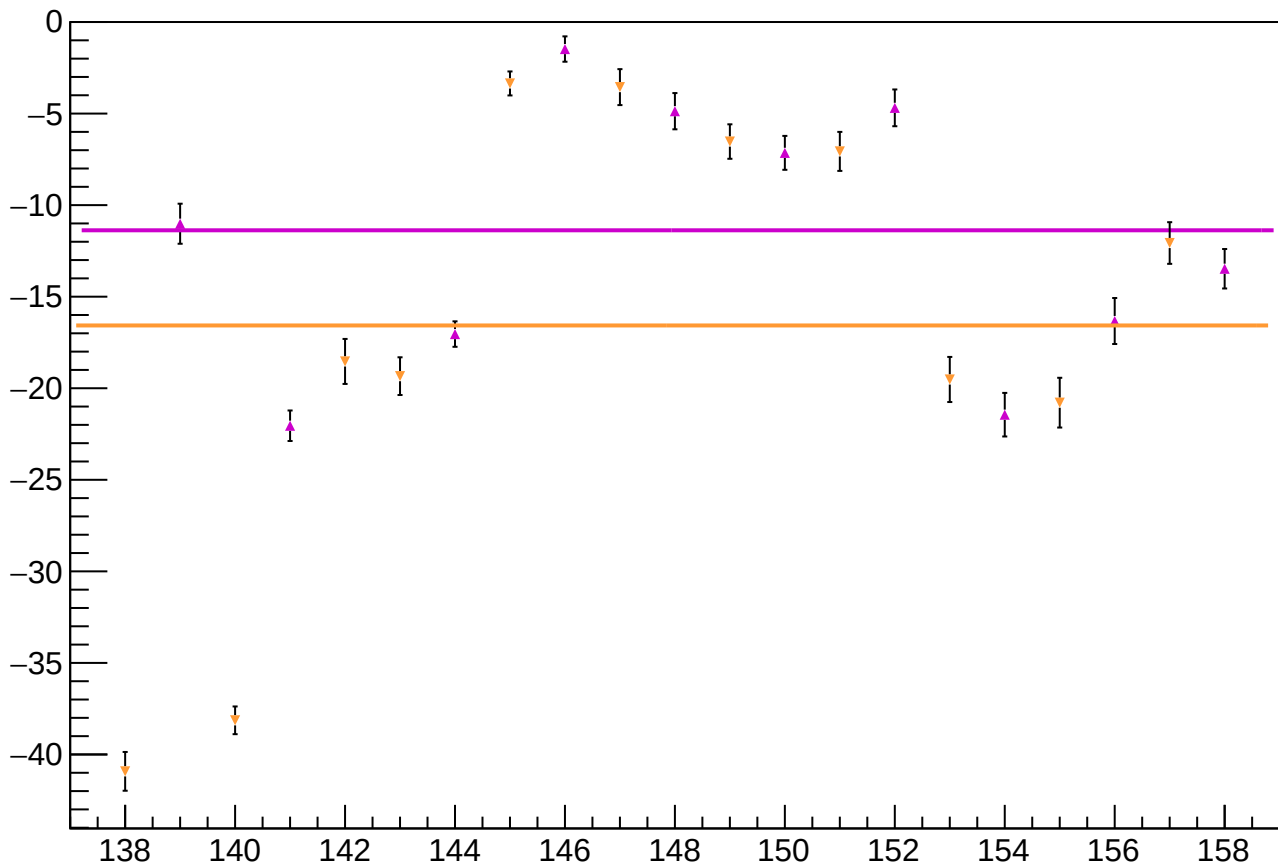
-0.024 $\pm$ 0.009 χ^2 /NDF: 639.7/10

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

Left In: -0.041 $\pm$ 0.009 χ^2 /NDF: 643.8/9

-0.041 $\pm$ 0.009 χ^2 /NDF: 643.8/9

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



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

Left Out: -16.571 ± 0.294 χ^2/NDF : 2158.2/10

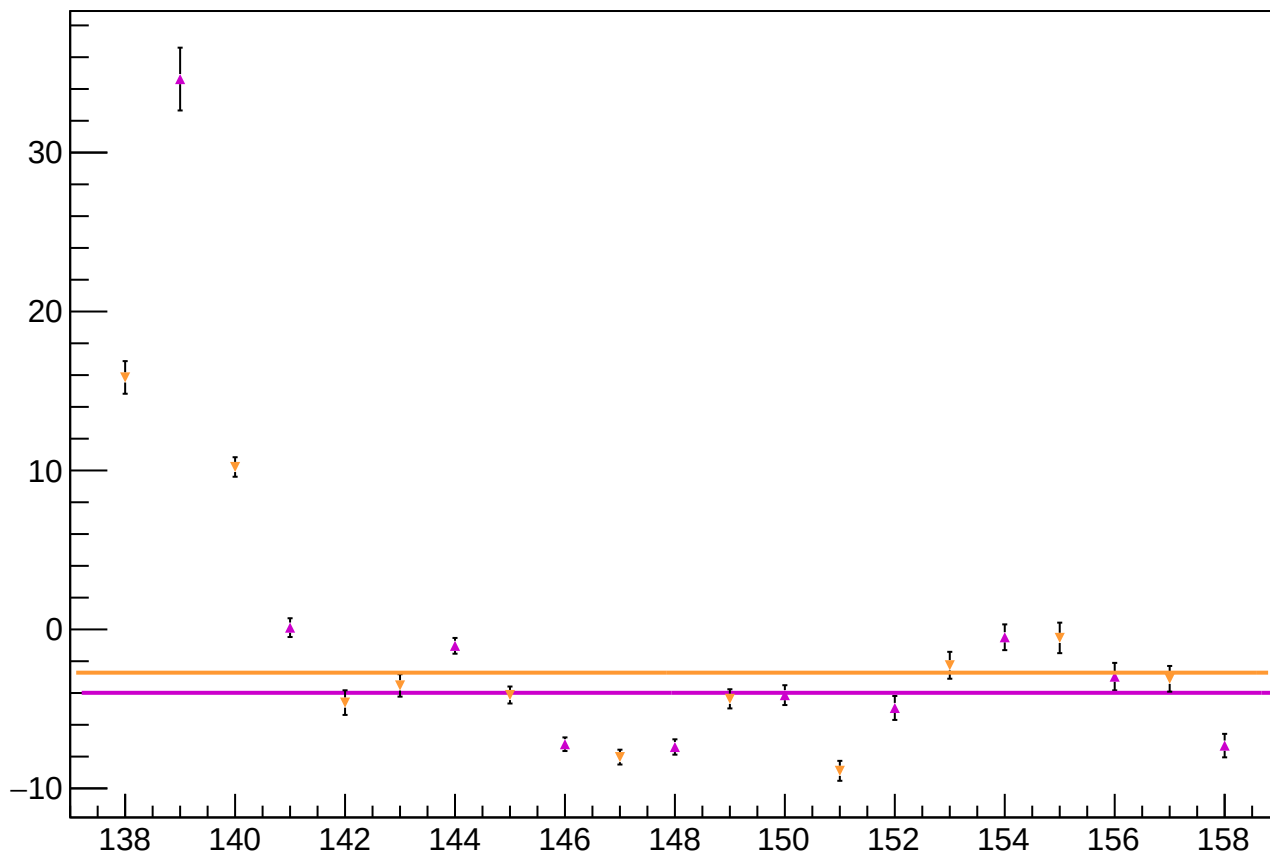
-16.571 ± 0.294 χ^2/NDF : 2158.2/10

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

Left In: -11.374 ± 0.291 χ^2/NDF : 634.6/9

-11.374 ± 0.291 χ^2/NDF : 634.6/9

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



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

Left Out: -2.720+/-0.201 χ^2/NDF : 1024.3/10

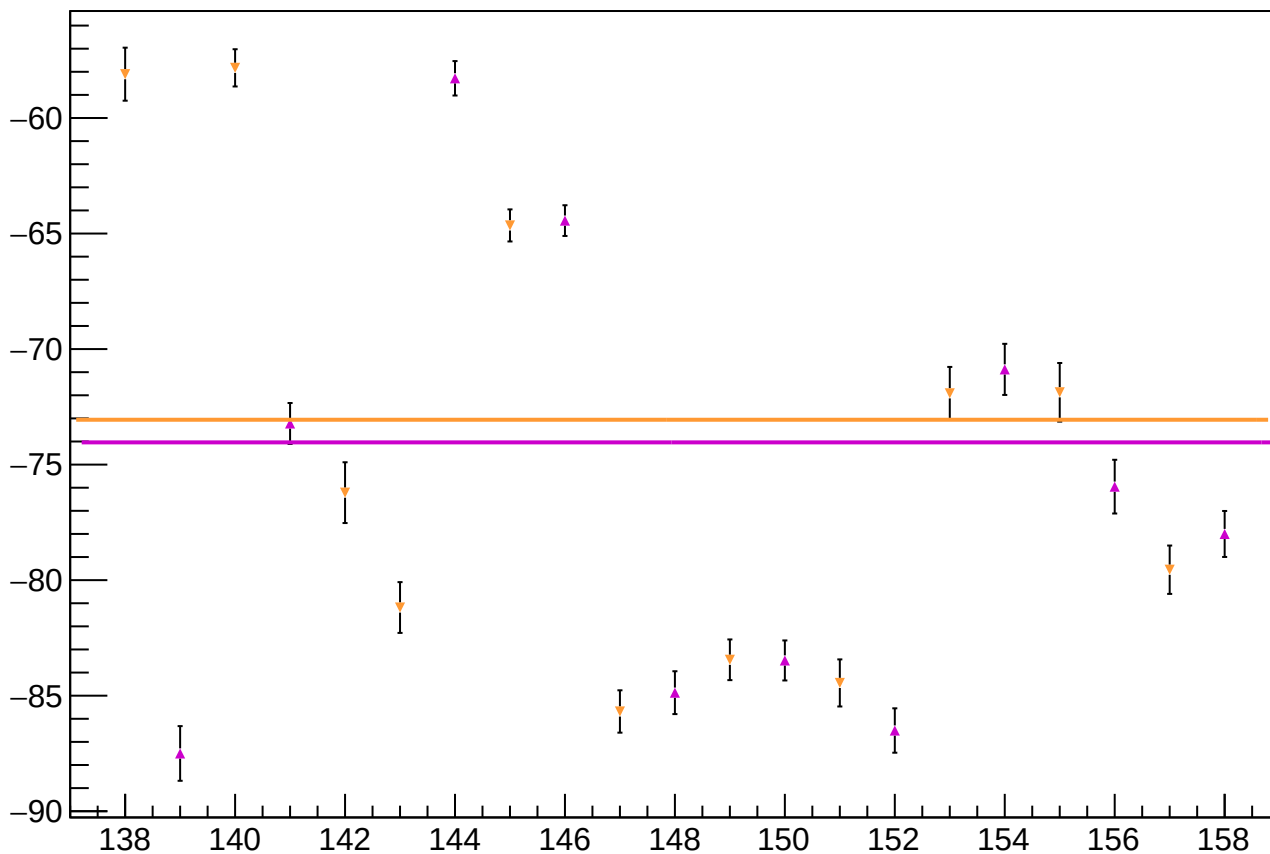
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -3.987+/-0.196 χ^2/NDF : 614.2/9

-2.720+/-0.201 χ^2/NDF : 1024.3/10

-3.987+/-0.196 χ^2/NDF : 614.2/9

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -73.058+/-0.295 χ^2/NDF :1228.4/10

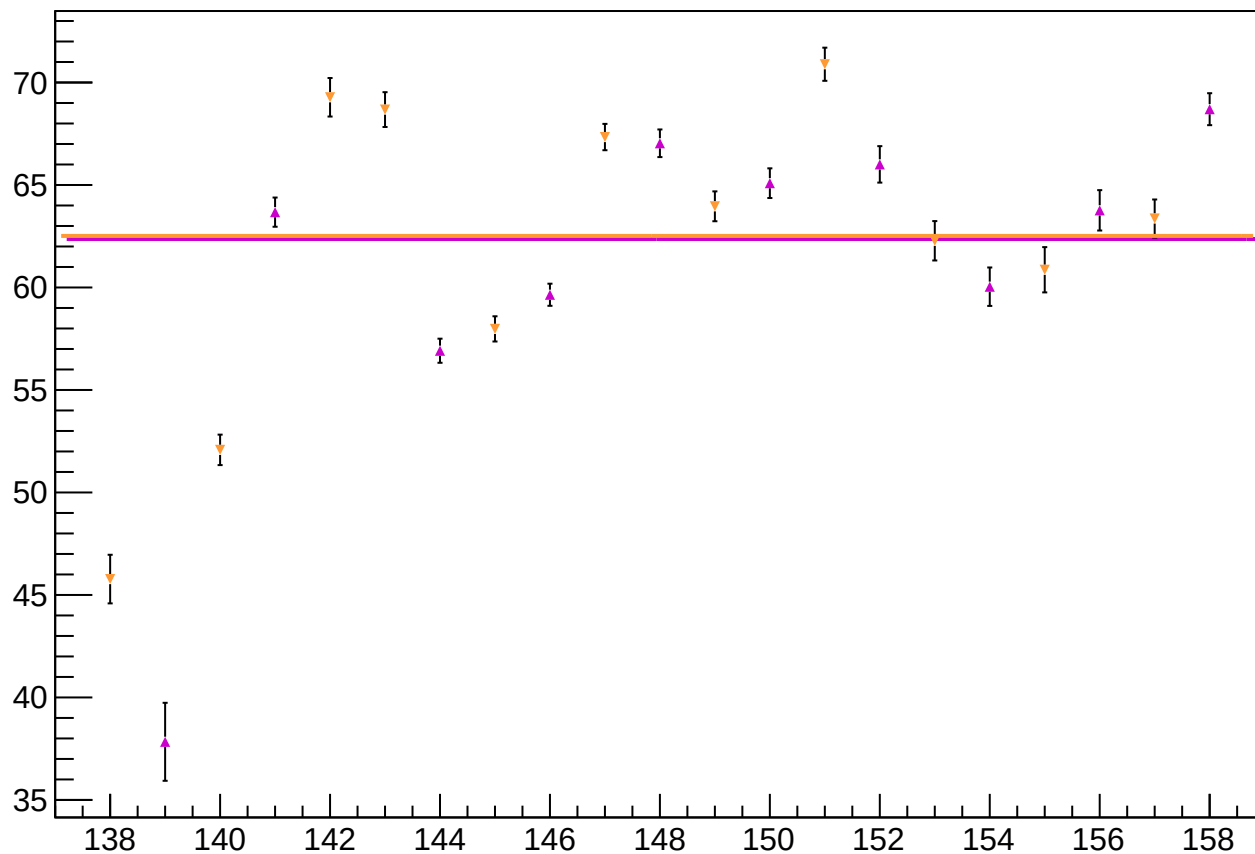
-73.058+/-0.295 χ^2/NDF : 1228.4/10

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

Left In: -74.038+/-0.286 χ^2/NDF :1236.4/9

-74.038+/-0.286 χ^2/NDF : 1236.4/9

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



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

Left Out: 62.516+/-0.246 χ^2/NDF : 726.3/10

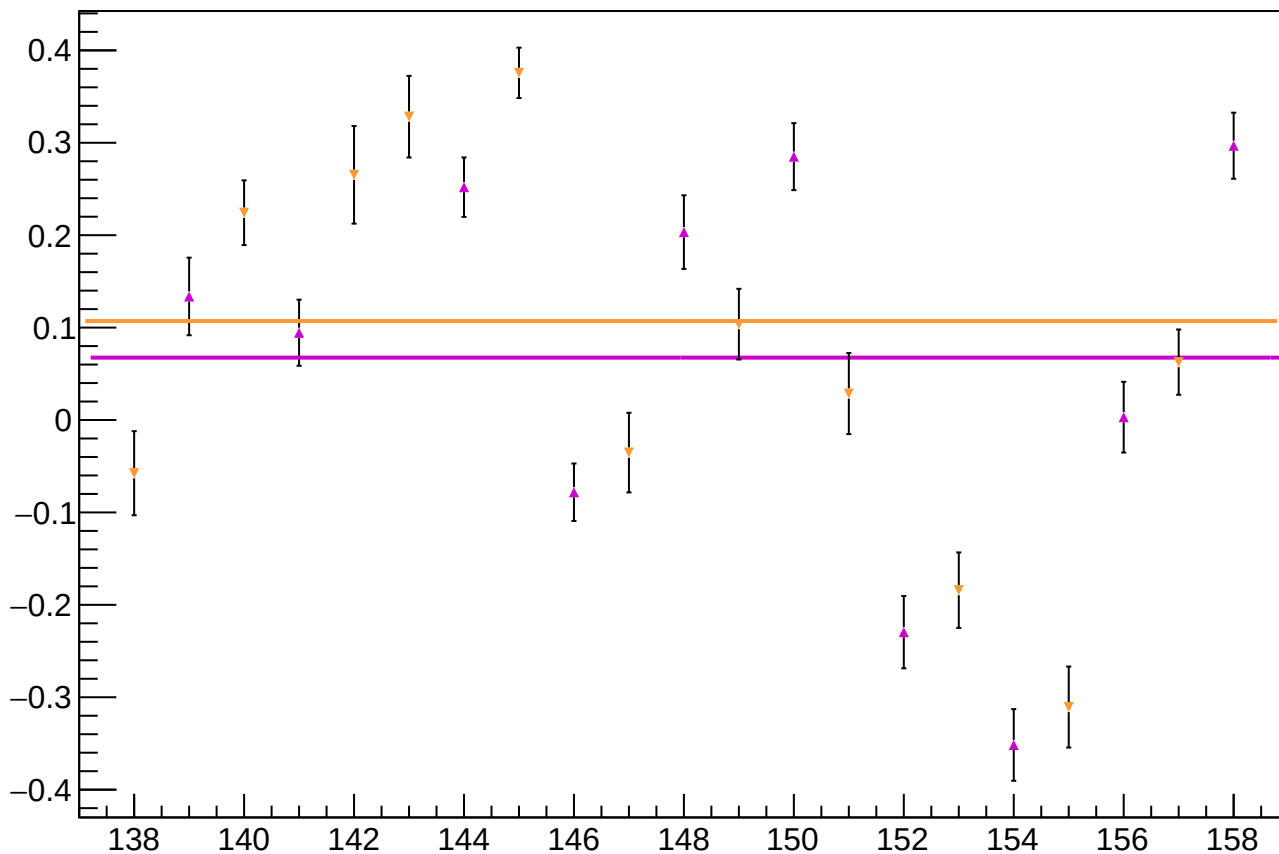
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 62.365+/-0.237 χ^2/NDF : 434.1/9

62.516+/-0.246 χ^2/NDF : 726.3/10

62.365+/-0.237 χ^2/NDF : 434.1/9

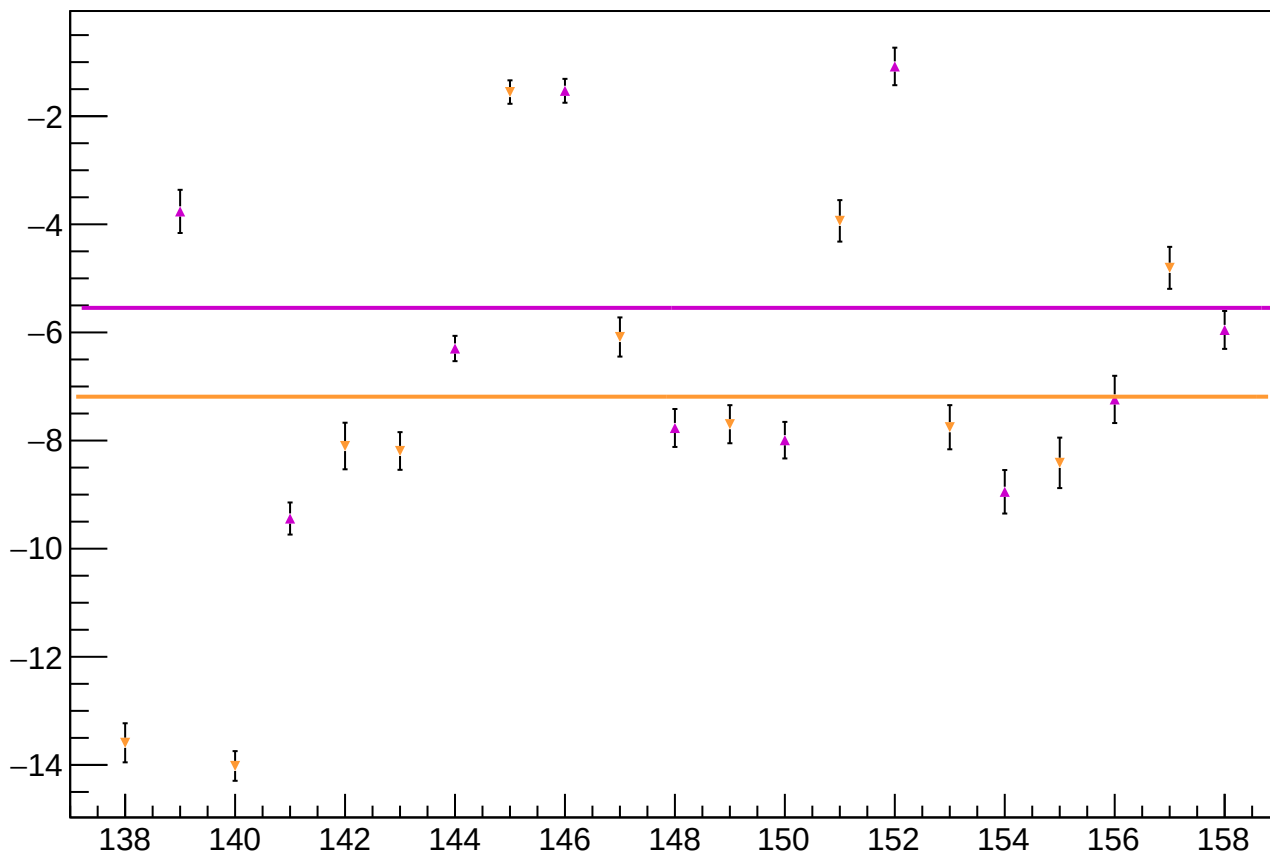
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.107 $\pm$ 0.012 χ^2 /NDF:312.8/10
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.068 $\pm$ 0.012 χ^2 /NDF:323.9/9

0.107 $\pm$ 0.012 χ^2 /NDF: 312.8/10
 0.068 $\pm$ 0.012 χ^2 /NDF: 323.9/9

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



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

Left Out: -7.188+/-0.102 χ^2/NDF : 1748.9/10

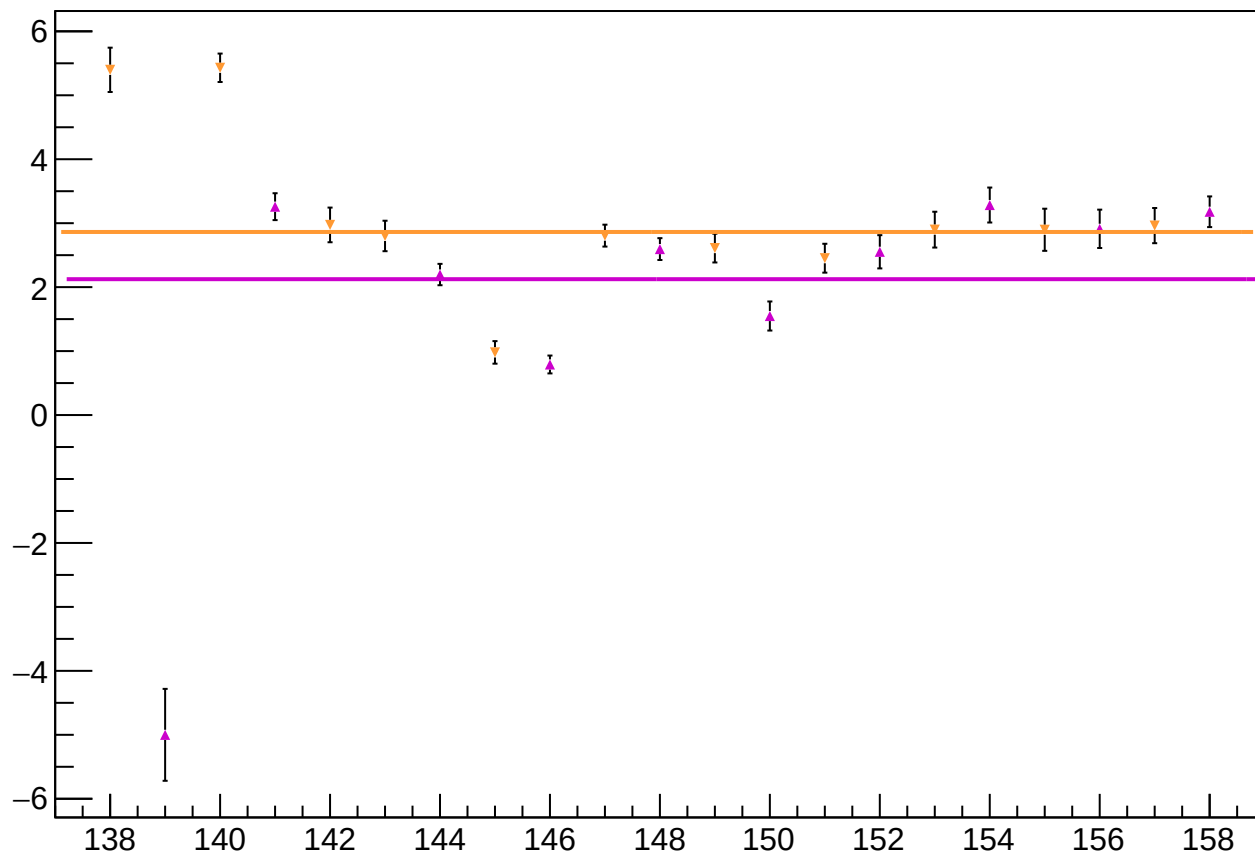
-7.188+/-0.102 χ^2/NDF : 1748.9/10

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

Left In: -5.546+/-0.099 χ^2/NDF : 878.9/9

-5.546+/-0.099 χ^2/NDF : 878.9/9

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



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

Left Out: 2.863 $\pm$ 0.071 χ^2 /NDF:306.0/10

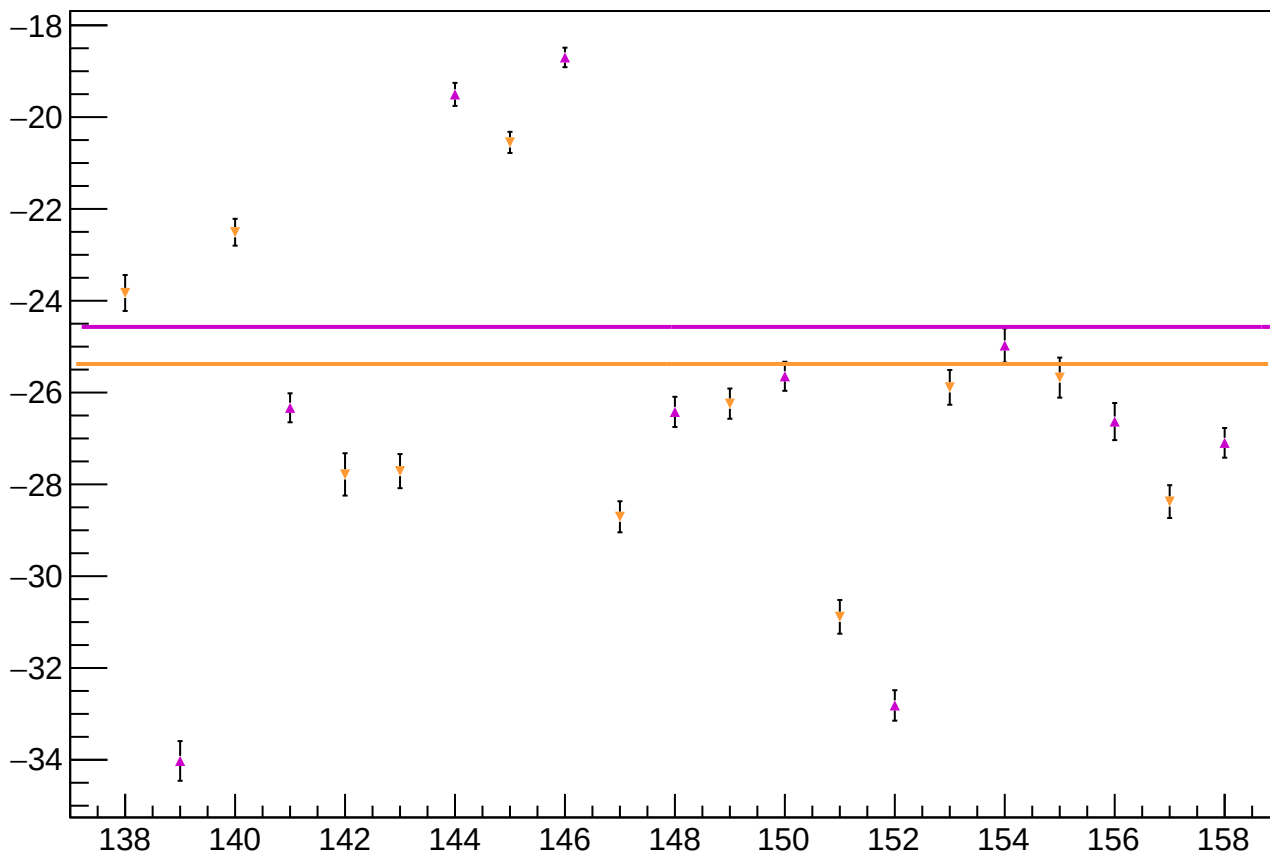
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 2.124 $\pm$ 0.067 χ^2 /NDF:279.8/9

2.863 $\pm$ 0.071 χ^2 /NDF: 306.0/10

2.124 $\pm$ 0.067 χ^2 /NDF: 279.8/9

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -25.377+/-0.103 χ^2/NDF : 1018.5/10

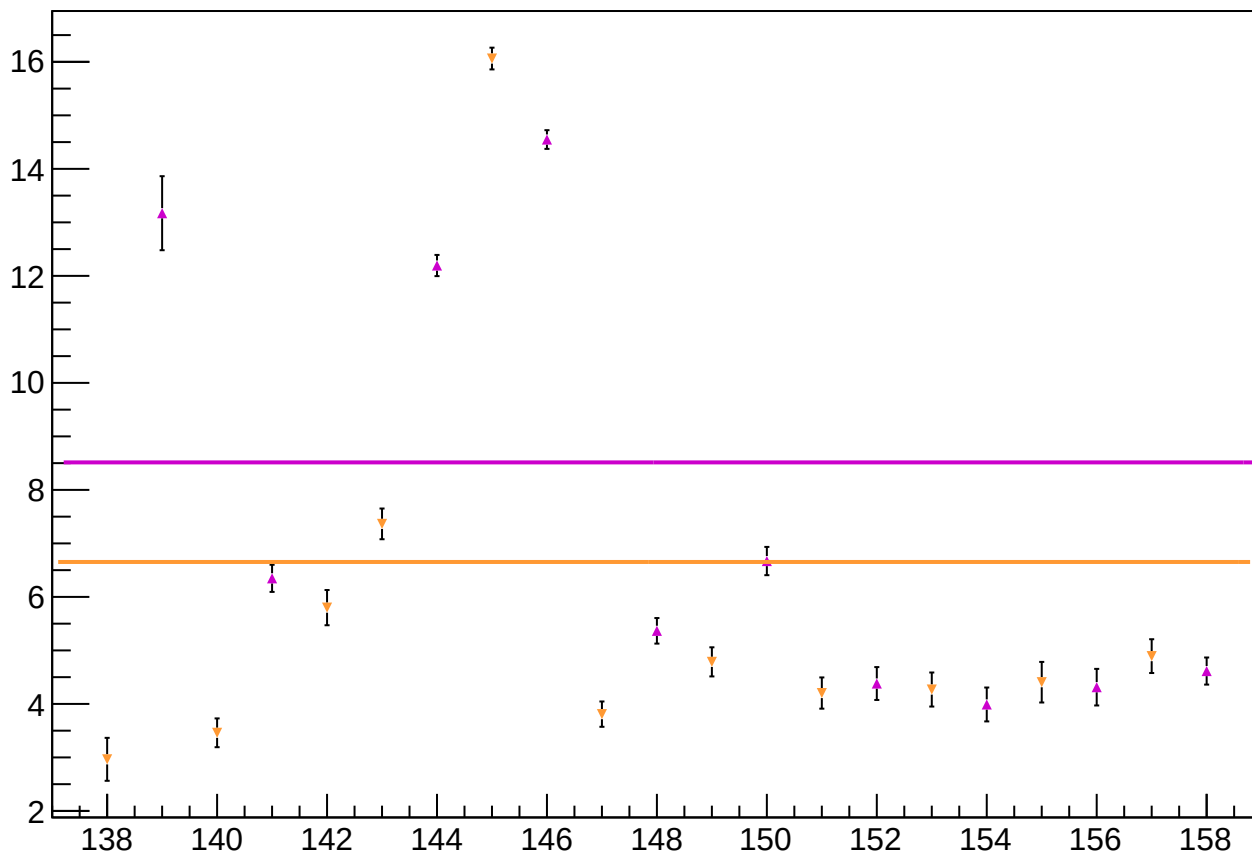
-25.377+/-0.103 χ^2/NDF : 1018.5/10

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

-24.570+/-0.098 χ^2/NDF : 2427.7/9

Left In: -24.570+/-0.098 χ^2/NDF : 2427.7/9

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



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

Left Out: 6.653+/-0.086 χ^2/NDF : 2766.3/10

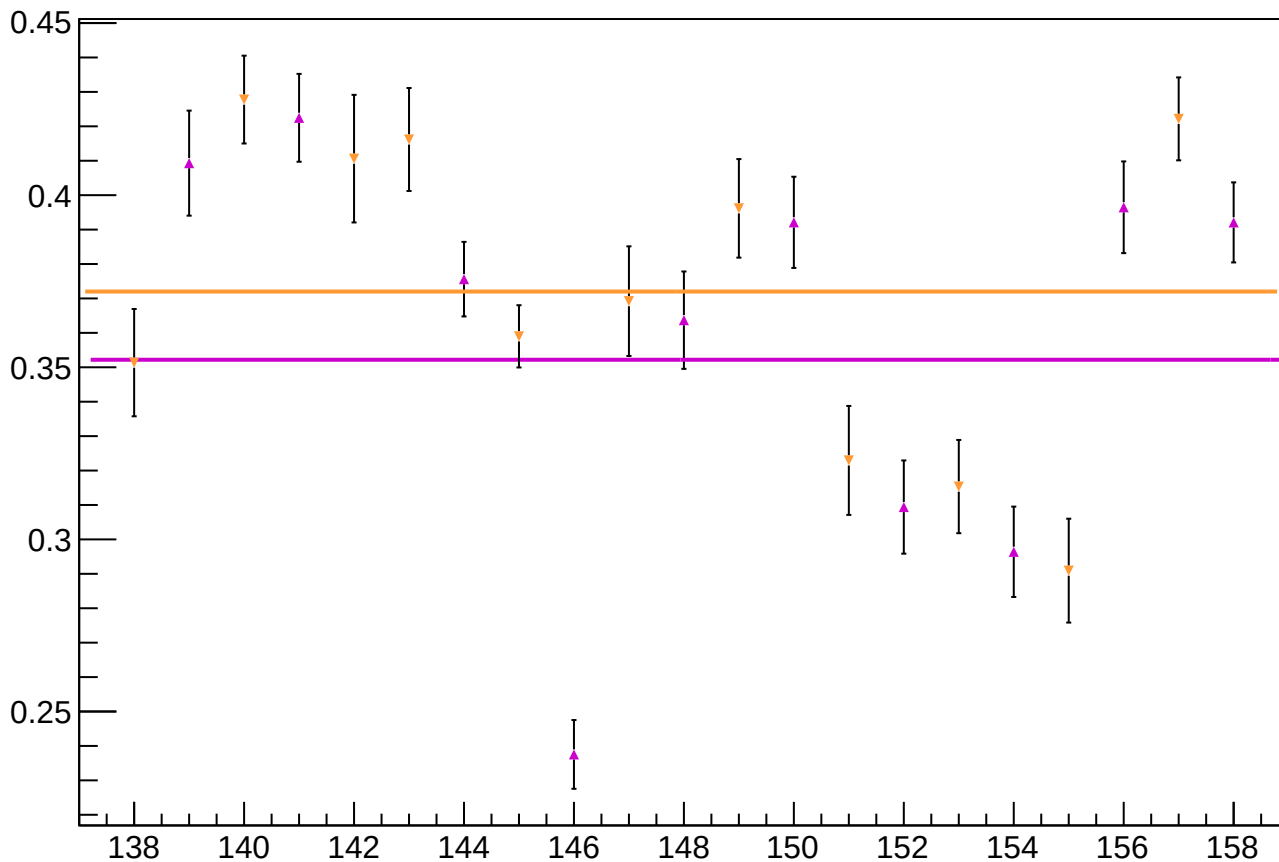
6.653+/-0.086 χ^2/NDF : 2766.3/10

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

Left In: 8.514+/-0.081 χ^2/NDF : 2649.7/9

8.514+/-0.081 χ^2/NDF : 2649.7/9

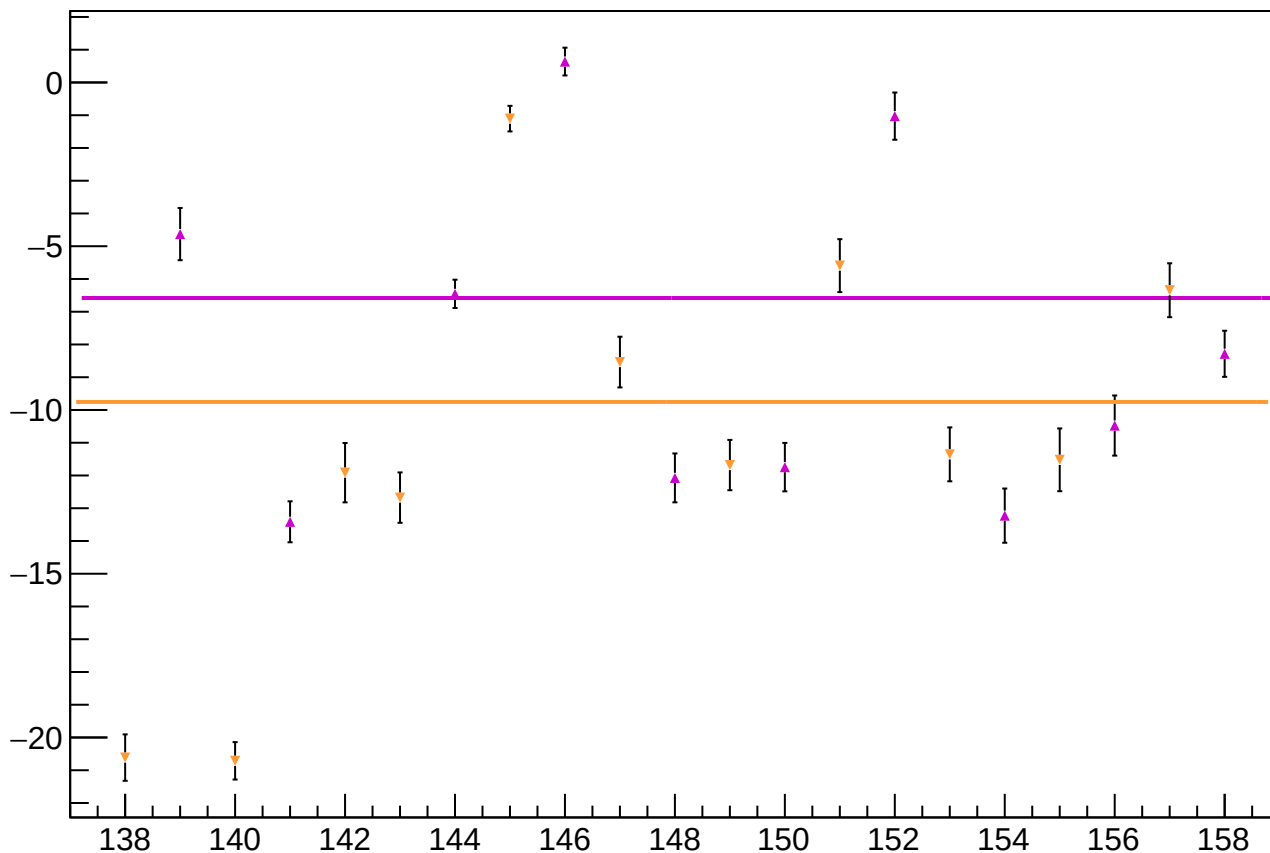
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.372+/-0.004 χ^2/NDF :112.2/10
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.352+/-0.004 χ^2/NDF :241.4/9

0.372+/-0.004 χ^2/NDF : 112.2/10
 0.352+/-0.004 χ^2/NDF : 241.4/9

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



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

Left Out: -9.755 $\pm$ 0.206 χ^2 /NDF: 1174.1/10

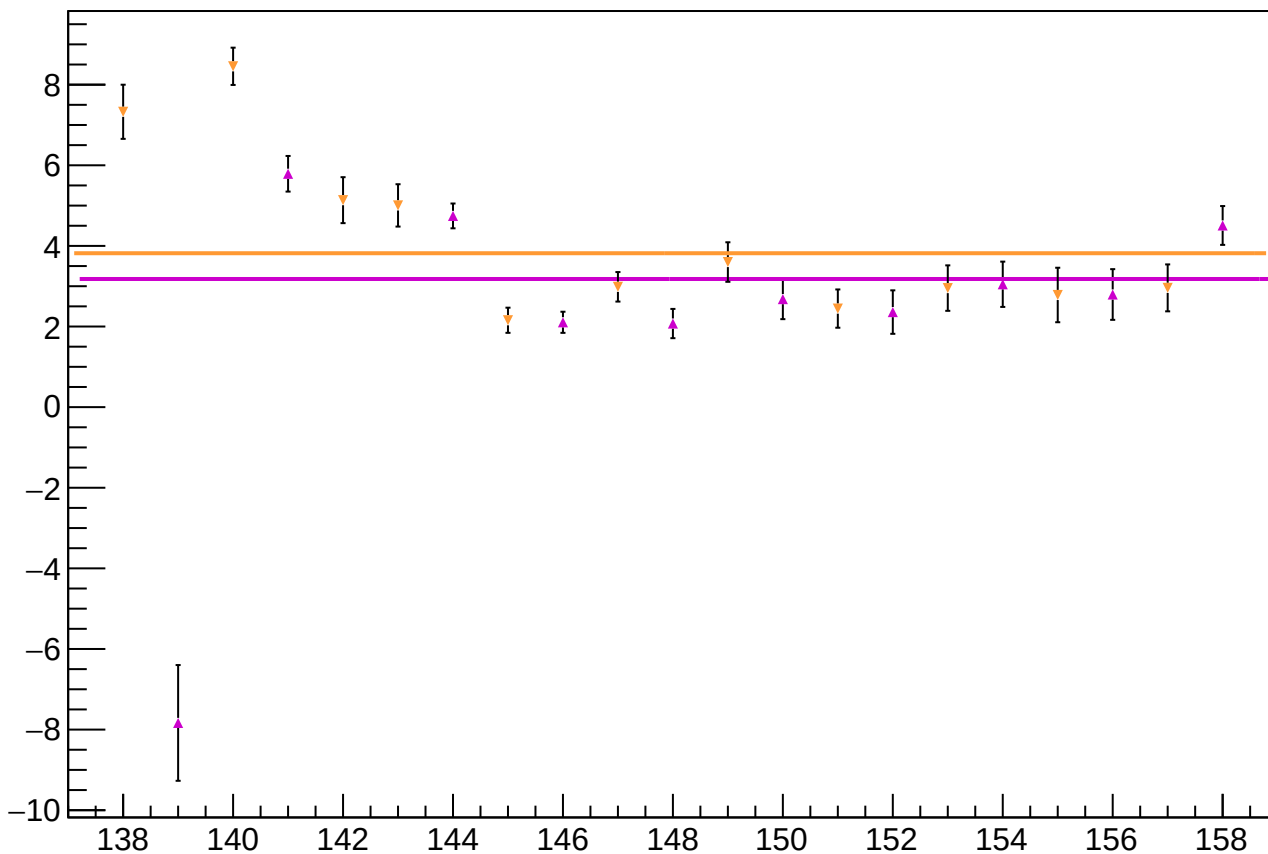
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -6.581 $\pm$ 0.199 χ^2 /NDF: 665.8/9

-9.755 $\pm$ 0.206 χ^2 /NDF: 1174.1/10

-6.581 $\pm$ 0.199 χ^2 /NDF: 665.8/9

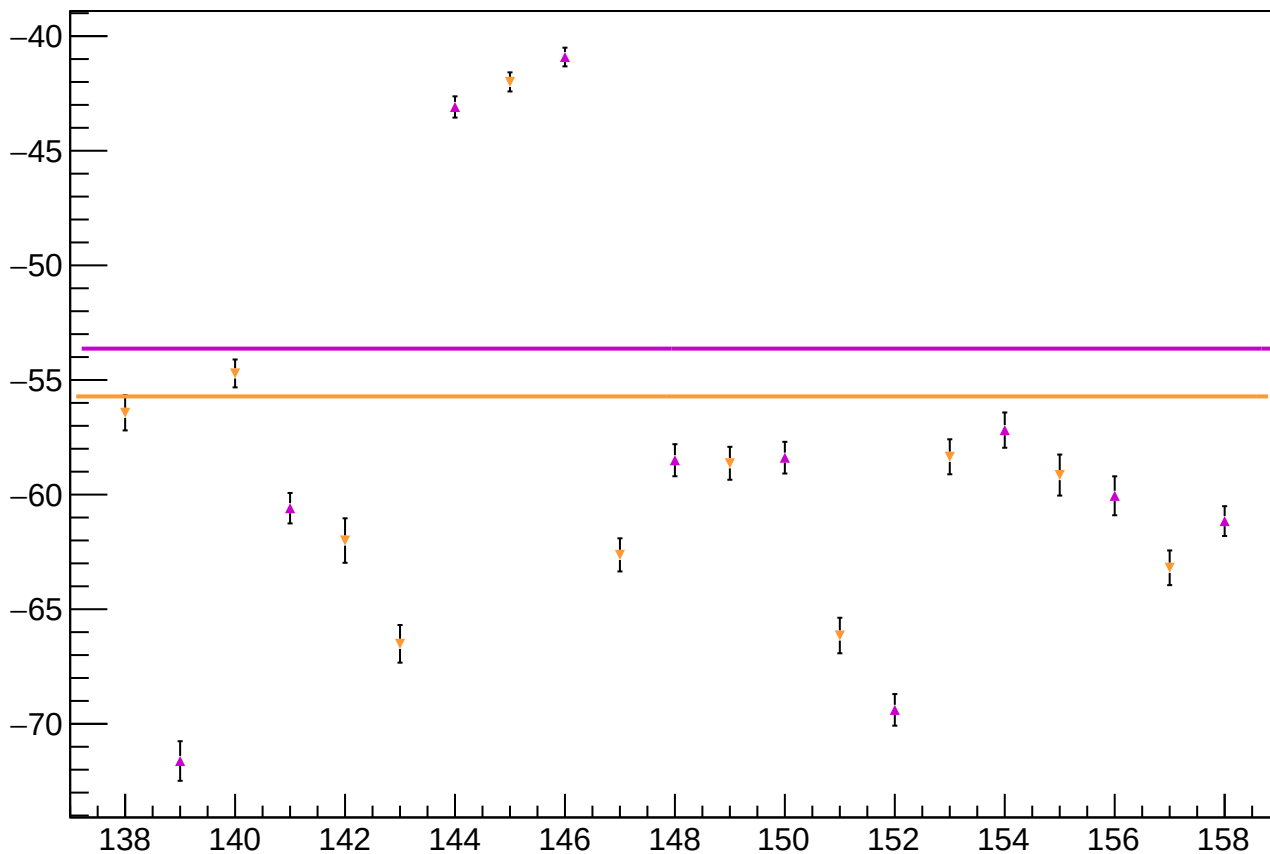
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: 3.818+/-0.144 χ^2/NDF :187.3/10
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: 3.179+/-0.134 χ^2/NDF :157.0/9

3.818+/-0.144 χ^2/NDF : 187.3/10
3.179+/-0.134 χ^2/NDF : 157.0/9

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



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

Left Out: -55.717+/-0.209 χ^2/NDF :1720.0/10

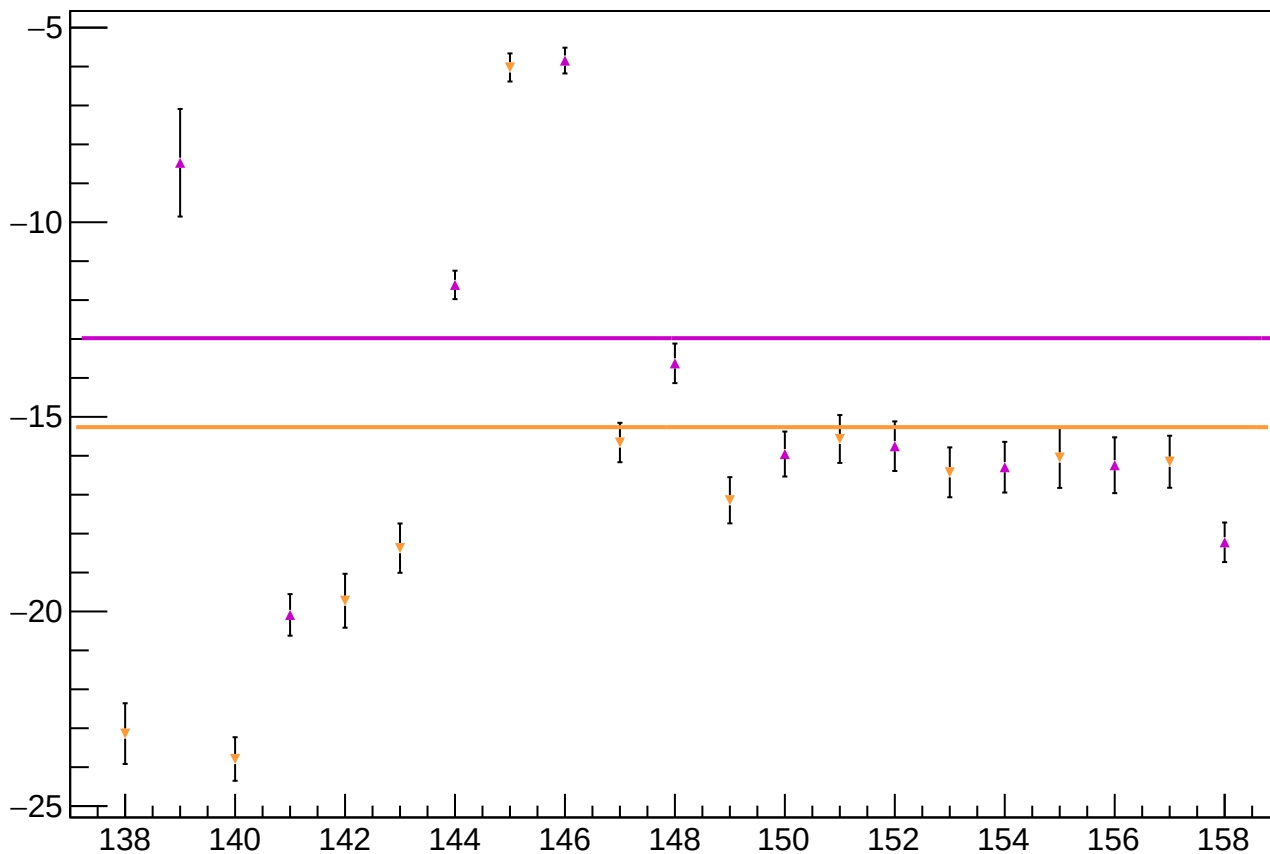
-55.717+/-0.209 χ^2/NDF : 1720.0/10

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

Left In: -53.632+/-0.196 χ^2/NDF :2865.5/9

-53.632+/-0.196 χ^2/NDF : 2865.5/9

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



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

Left Out: -15.264+/-0.175 χ^2/NDF : 1072.1/10

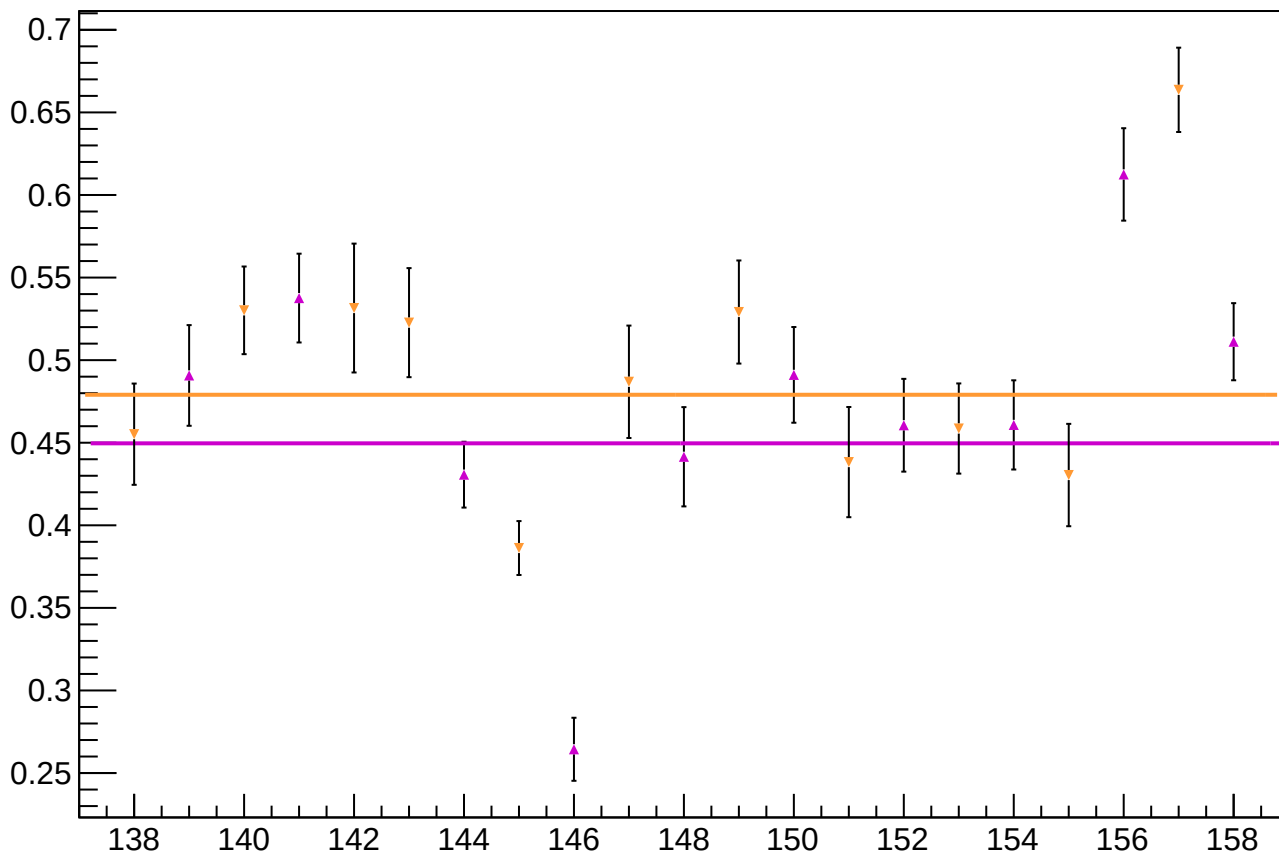
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -12.978+/-0.162 χ^2/NDF : 866.1/9

-15.264+/-0.175 χ^2/NDF : 1072.1/10

-12.978+/-0.162 χ^2/NDF : 866.1/9

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug

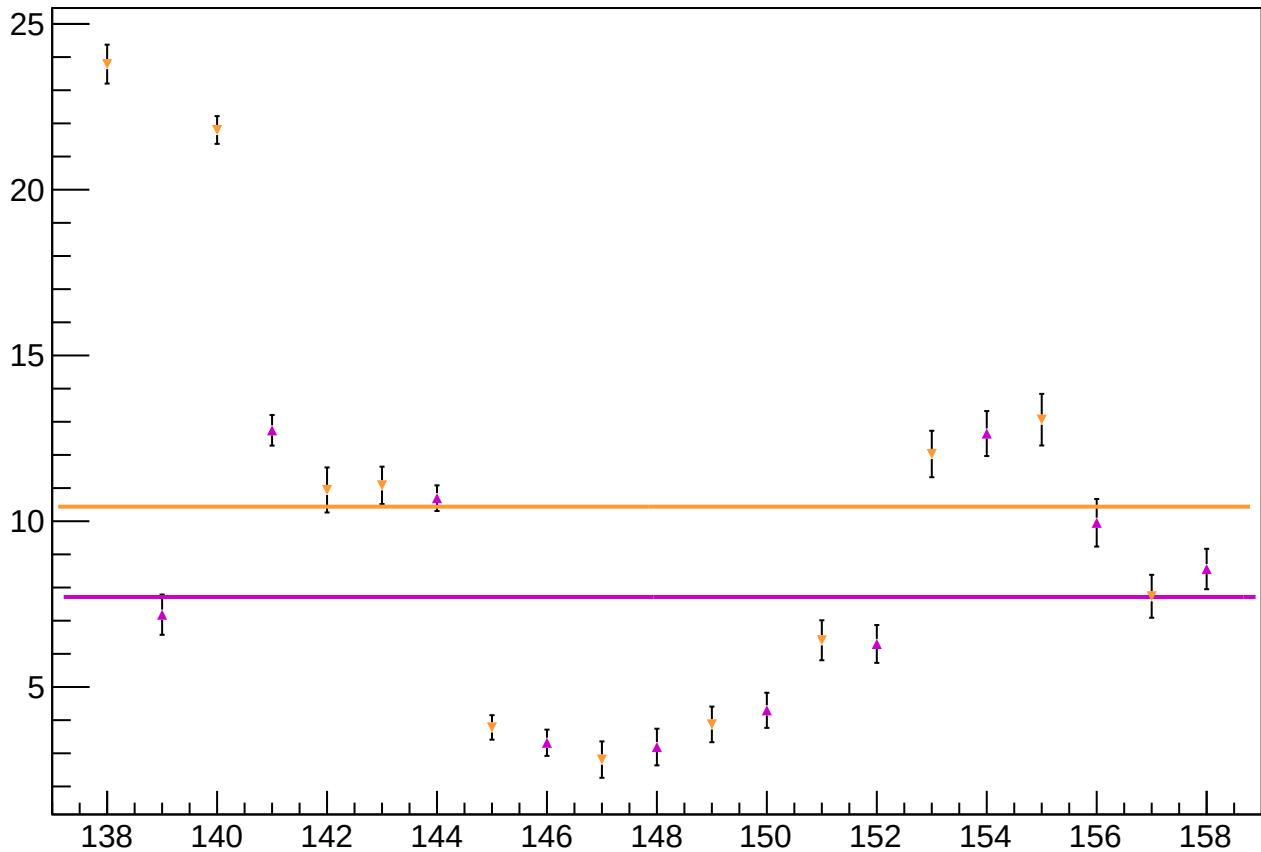


Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.479+/-0.008 χ^2/NDF : 99.7/10
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.450+/-0.008 χ^2/NDF : 150.9/9

0.479+/-0.008 χ^2/NDF : 99.7/10

0.450+/-0.008 χ^2/NDF : 150.9/9

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: 10.439+/-0.165 χ^2/NDF : 2003.4/10

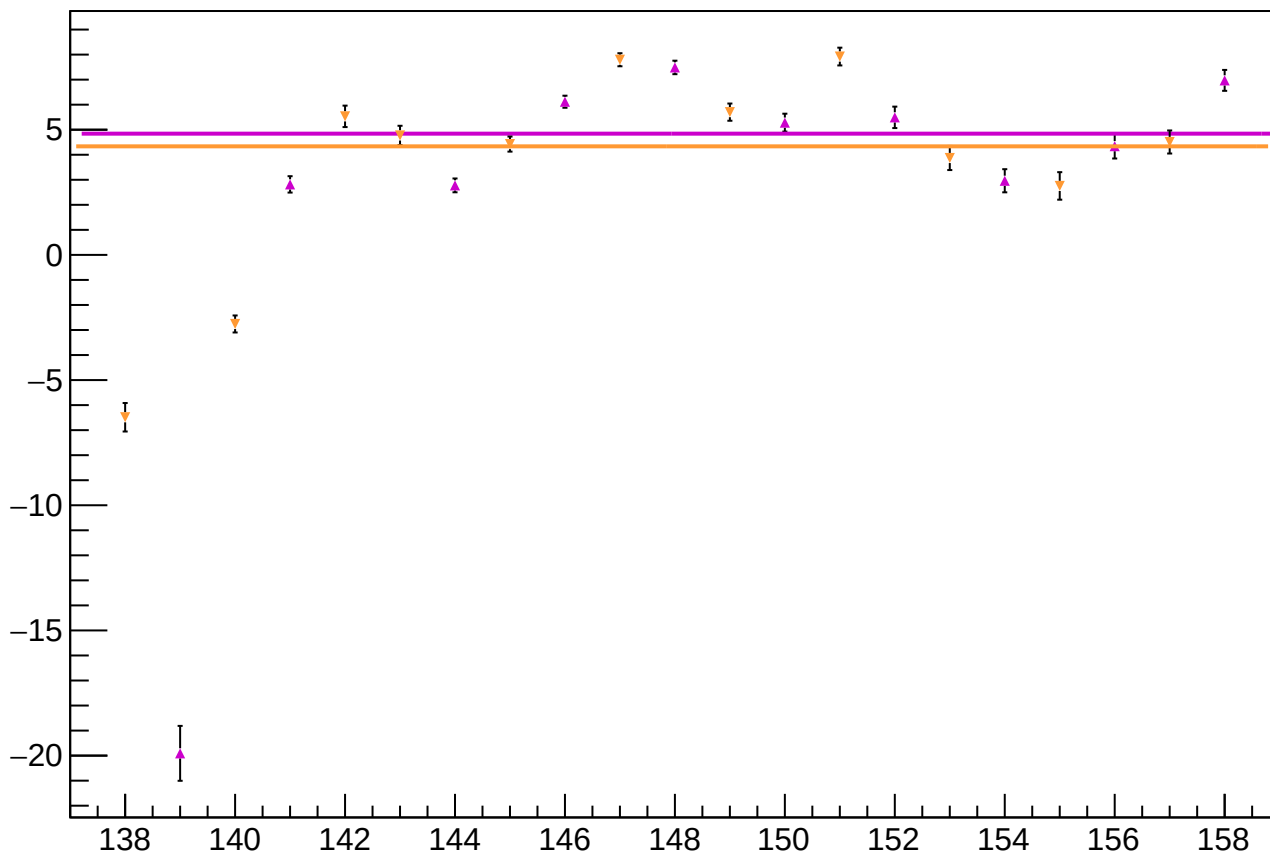
10.439+/-0.165 χ^2/NDF : 2003.4/10

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

Left In: 7.715+/-0.164 χ^2/NDF : 481.8/9

7.715+/-0.164 χ^2/NDF : 481.8/9

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: 4.336 $\pm$ 0.113 χ^2 /NDF:1110.4/10

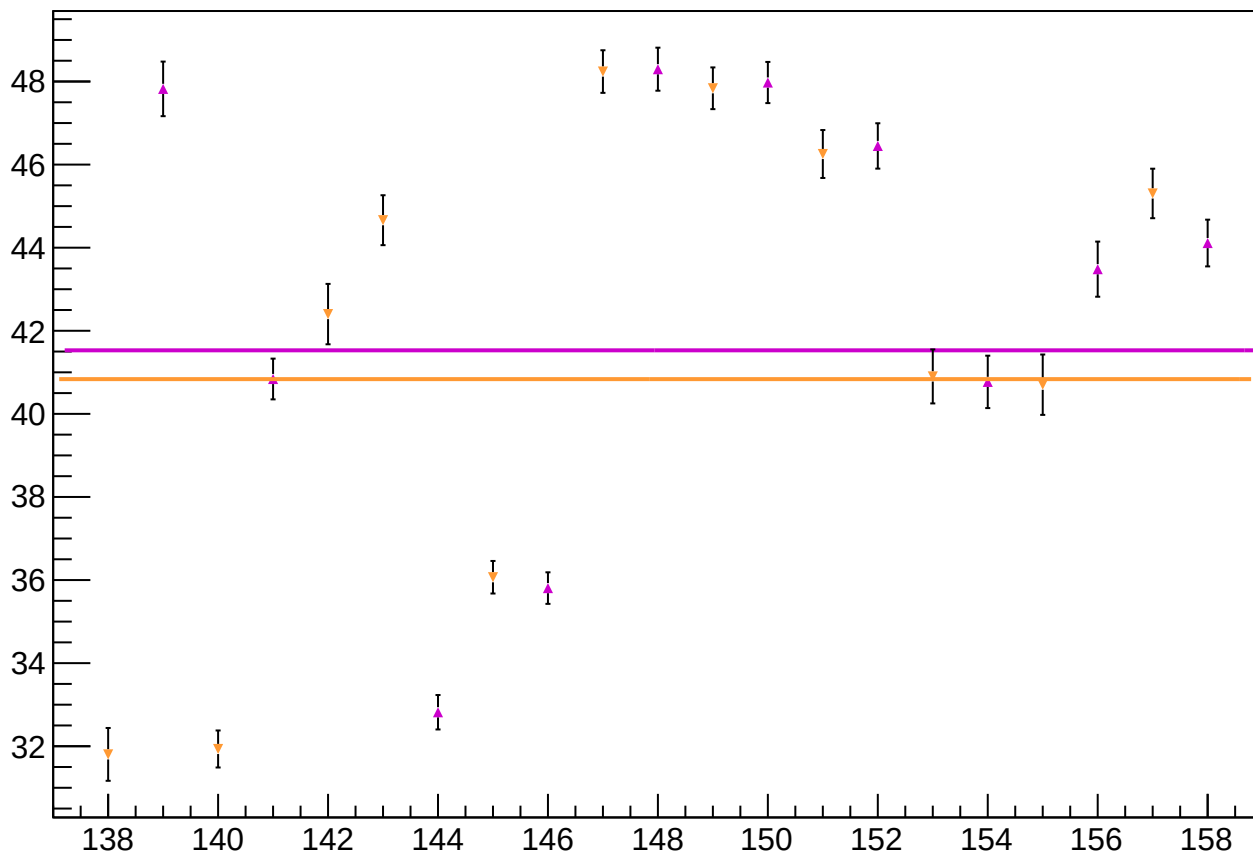
4.336 $\pm$ 0.113 χ^2 /NDF: 1110.4/10

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

Left In: 4.842 $\pm$ 0.110 χ^2 /NDF:775.8/9

4.842 $\pm$ 0.110 χ^2 /NDF: 775.8/9

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: 40.836+/-0.165 χ^2/NDF :1342.0/10

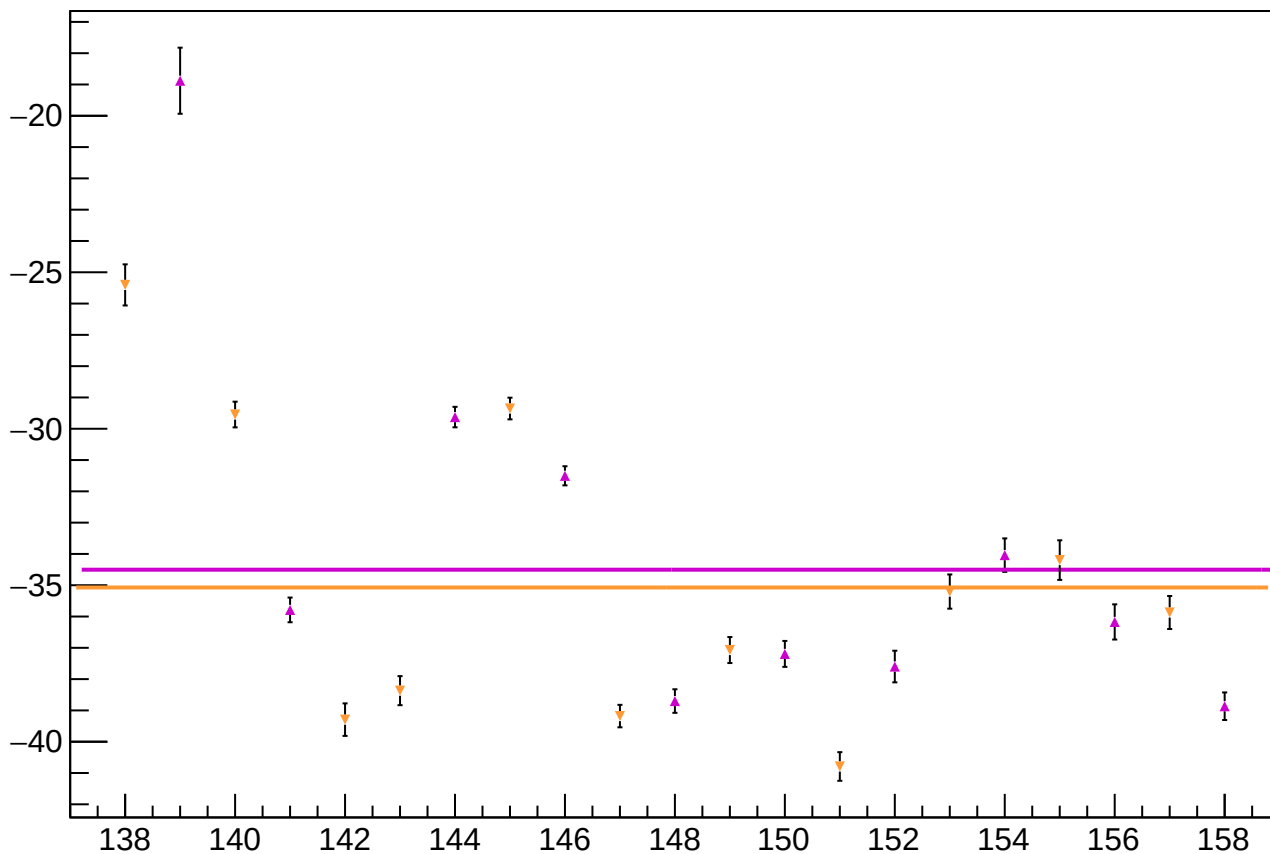
40.836+/-0.165 χ^2/NDF : 1342.0/10

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

Left In: 41.529+/-0.162 χ^2/NDF :1214.9/9

41.529+/-0.162 χ^2/NDF : 1214.9/9

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



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

Left Out: -35.072+/-0.138 χ^2/NDF : 1101.2/10

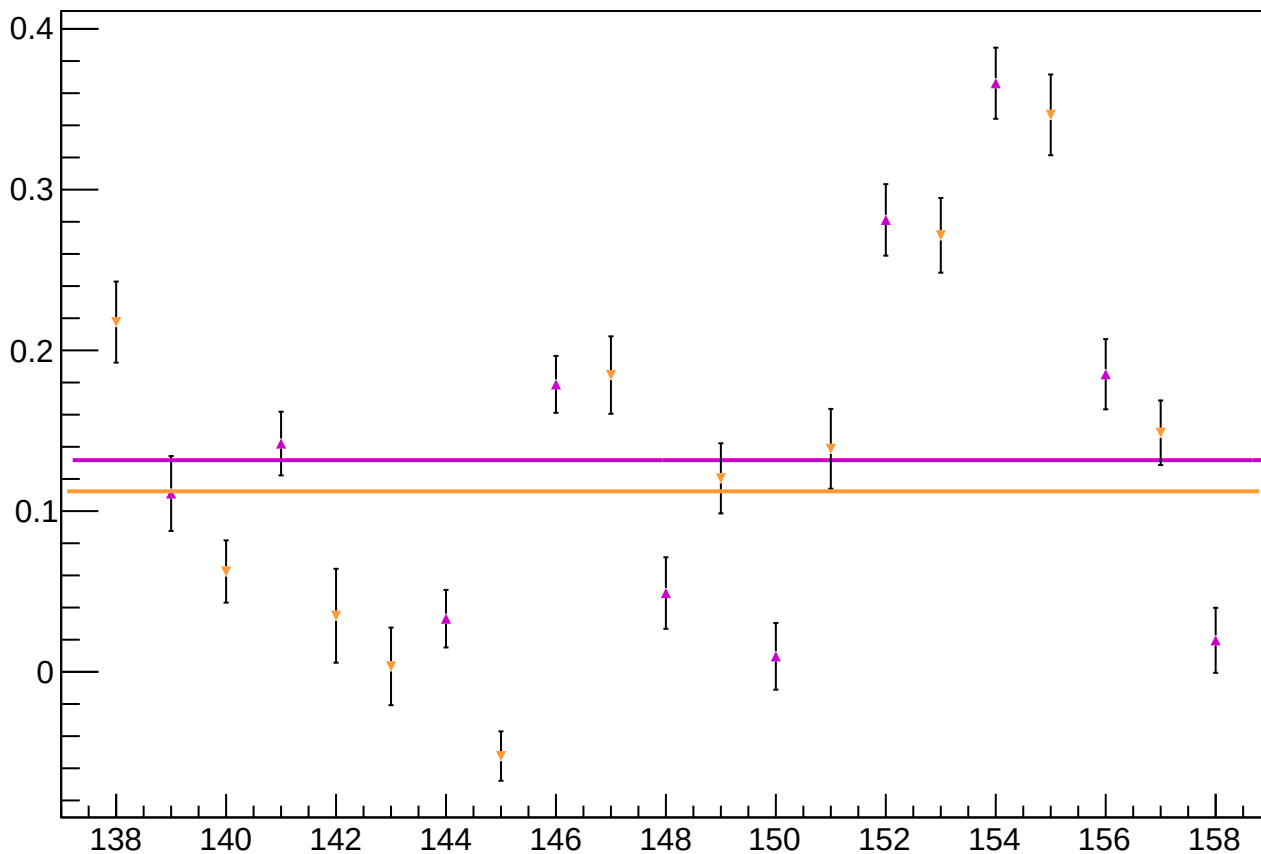
-35.072+/-0.138 χ^2/NDF : 1101.2/10

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

Left In: -34.504+/-0.134 χ^2/NDF : 860.2/9

-34.504+/-0.134 χ^2/NDF : 860.2/9

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



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

Left Out: 0.112+/-0.007 χ^2/NDF : 313.7/10

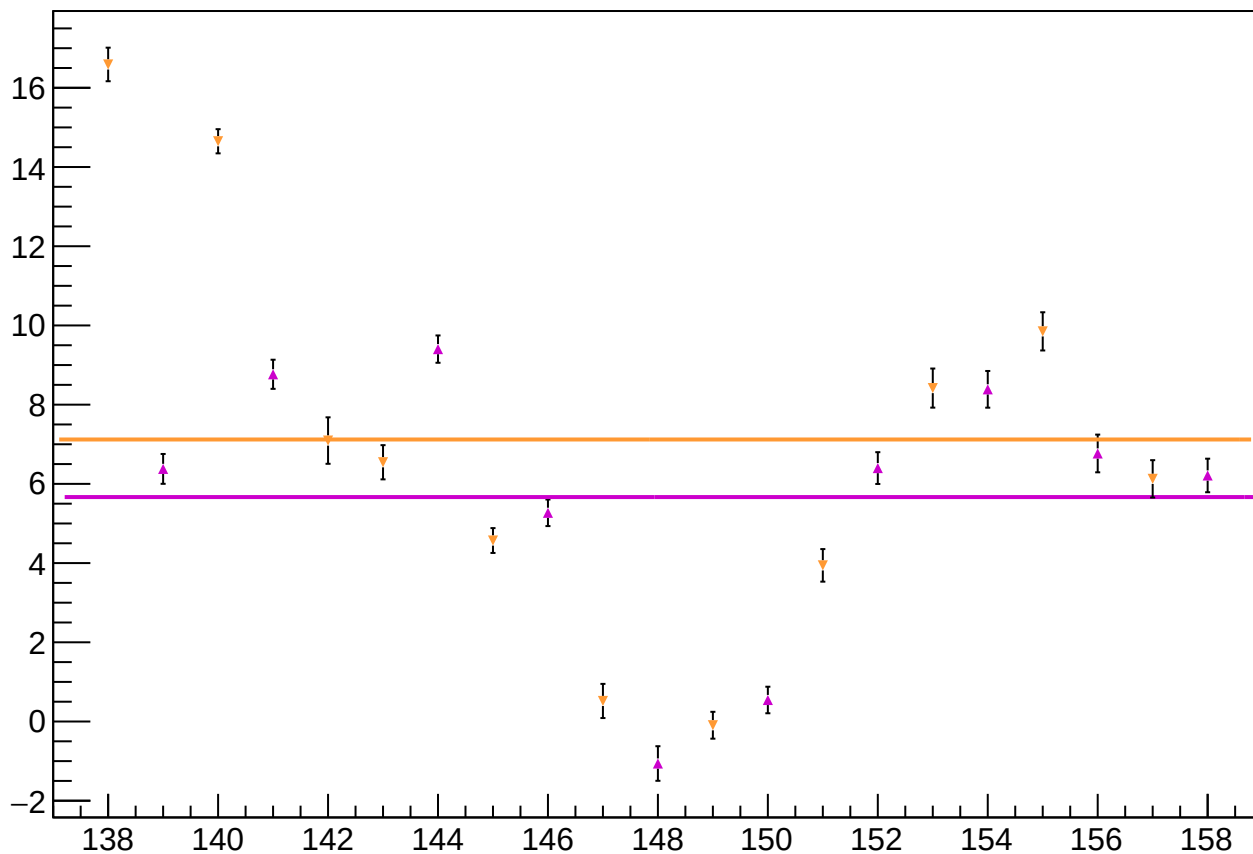
0.112+/-0.007 χ^2/NDF : 313.7/10

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

Left In: 0.132+/-0.007 χ^2/NDF : 281.2/9

0.132+/-0.007 χ^2/NDF : 281.2/9

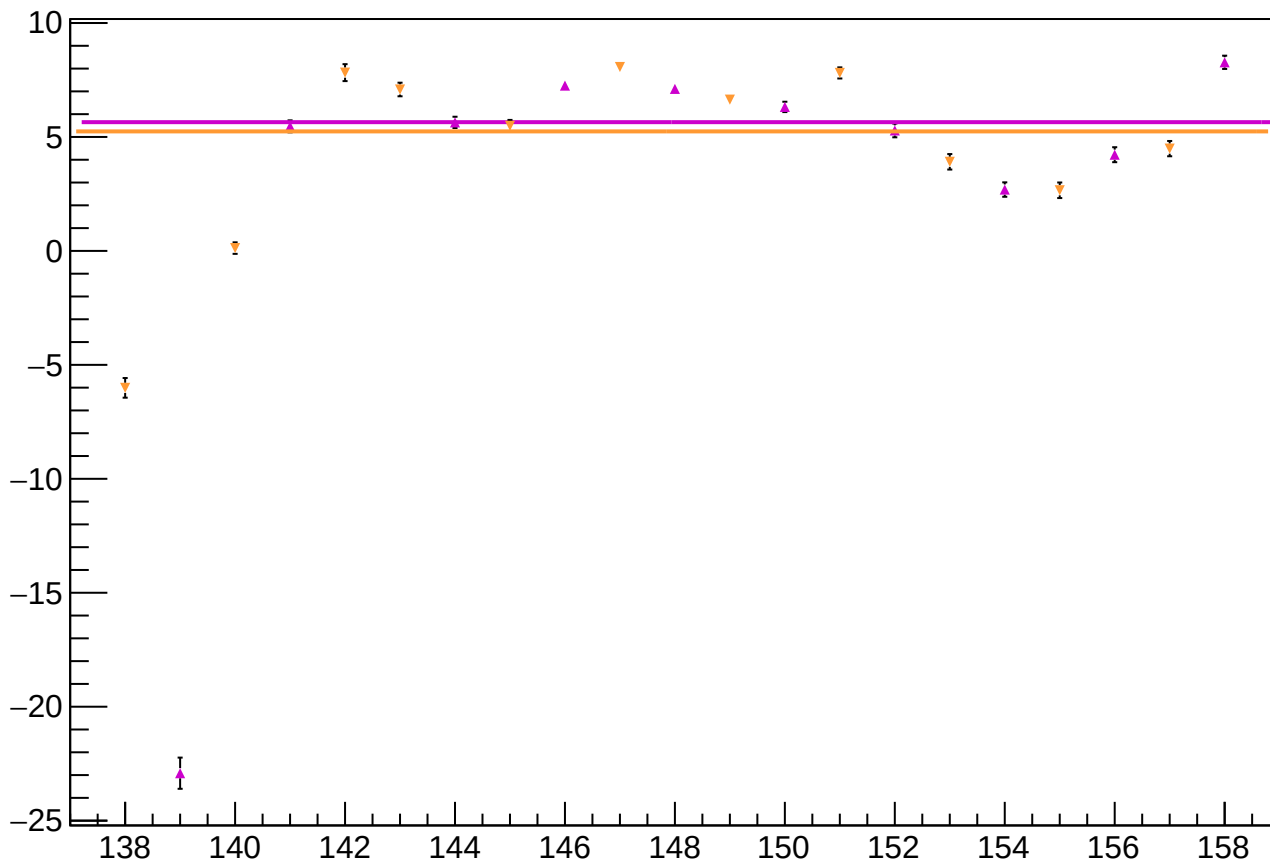
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: 7.121+/-0.122 χ^2/NDF : 1966.0/10
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: 5.667+/-0.122 χ^2/NDF : 709.2/9

7.121+/-0.122 χ^2/NDF : 1966.0/10
5.667+/-0.122 χ^2/NDF : 709.2/9

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



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

Left Out: 5.244+/-0.084 χ^2/NDF :1592.4/10

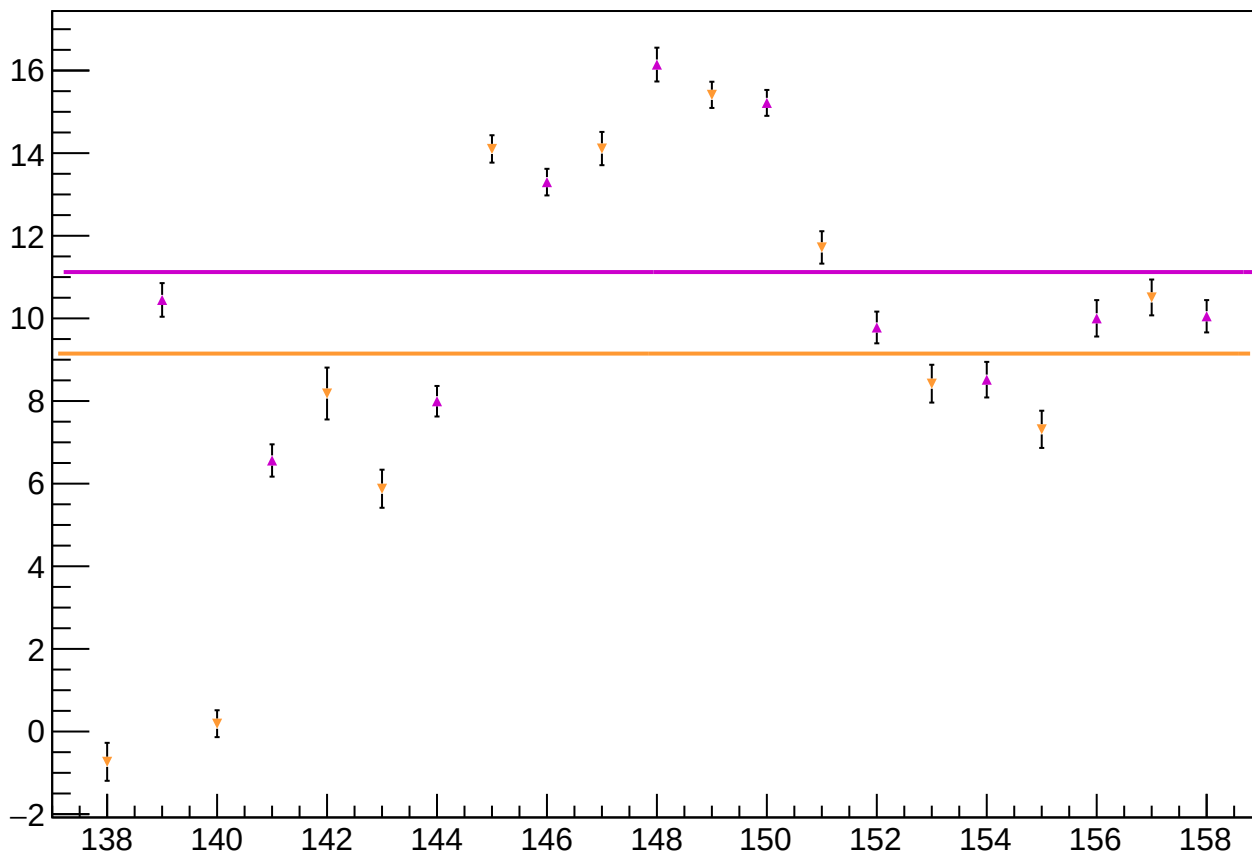
5.244+/-0.084 χ^2/NDF : 1592.4/10

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

Left In: 5.649+/-0.085 χ^2/NDF :2042.7/9

5.649+/-0.085 χ^2/NDF : 2042.7/9

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug

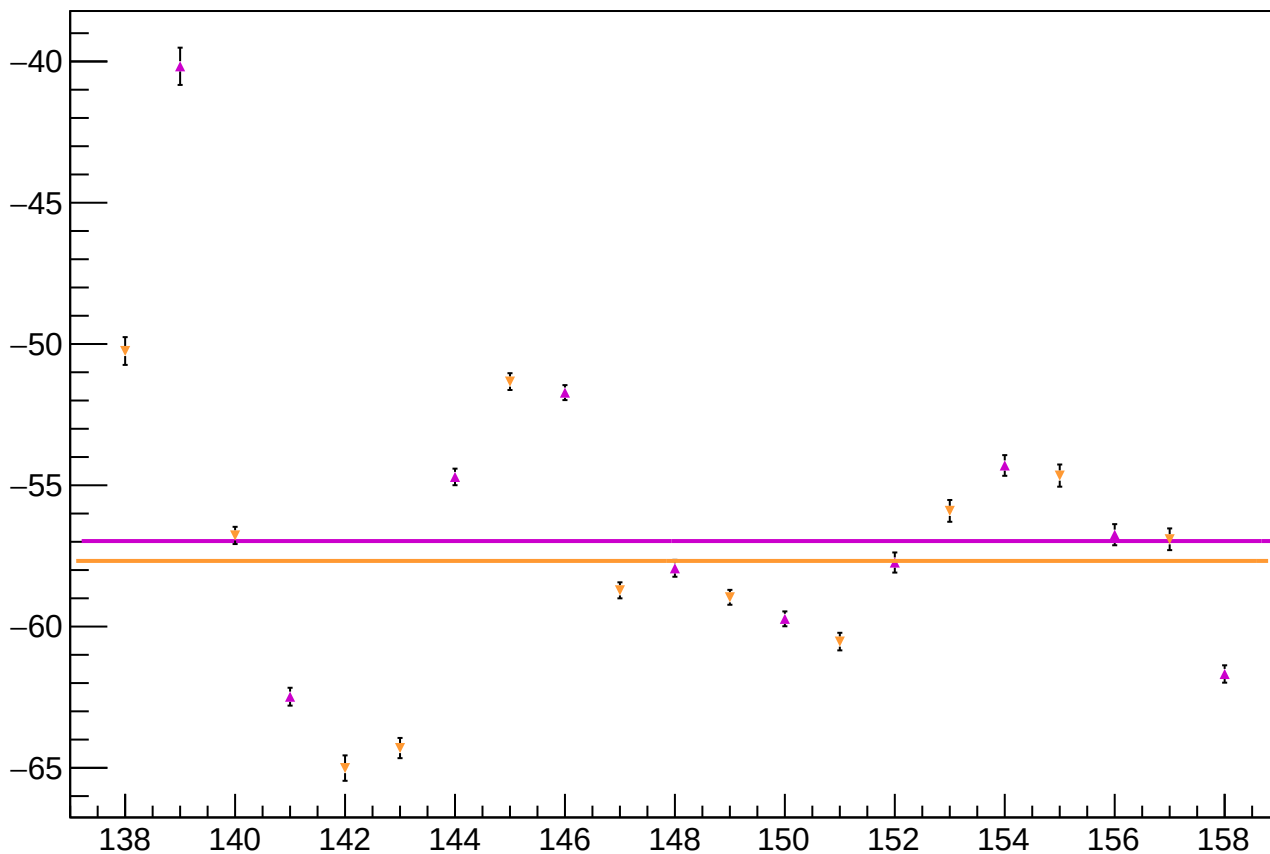


Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 9.148 $\pm$ 0.121 χ^2 /NDF:2110.7/10
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 11.121 $\pm$ 0.120 χ^2 /NDF:639.9/9

9.148 $\pm$ 0.121 χ^2 /NDF: 2110.7/10

11.121 $\pm$ 0.120 χ^2 /NDF: 639.9/9

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: -57.677+/-0.102 χ^2/NDF : 1507.7/10

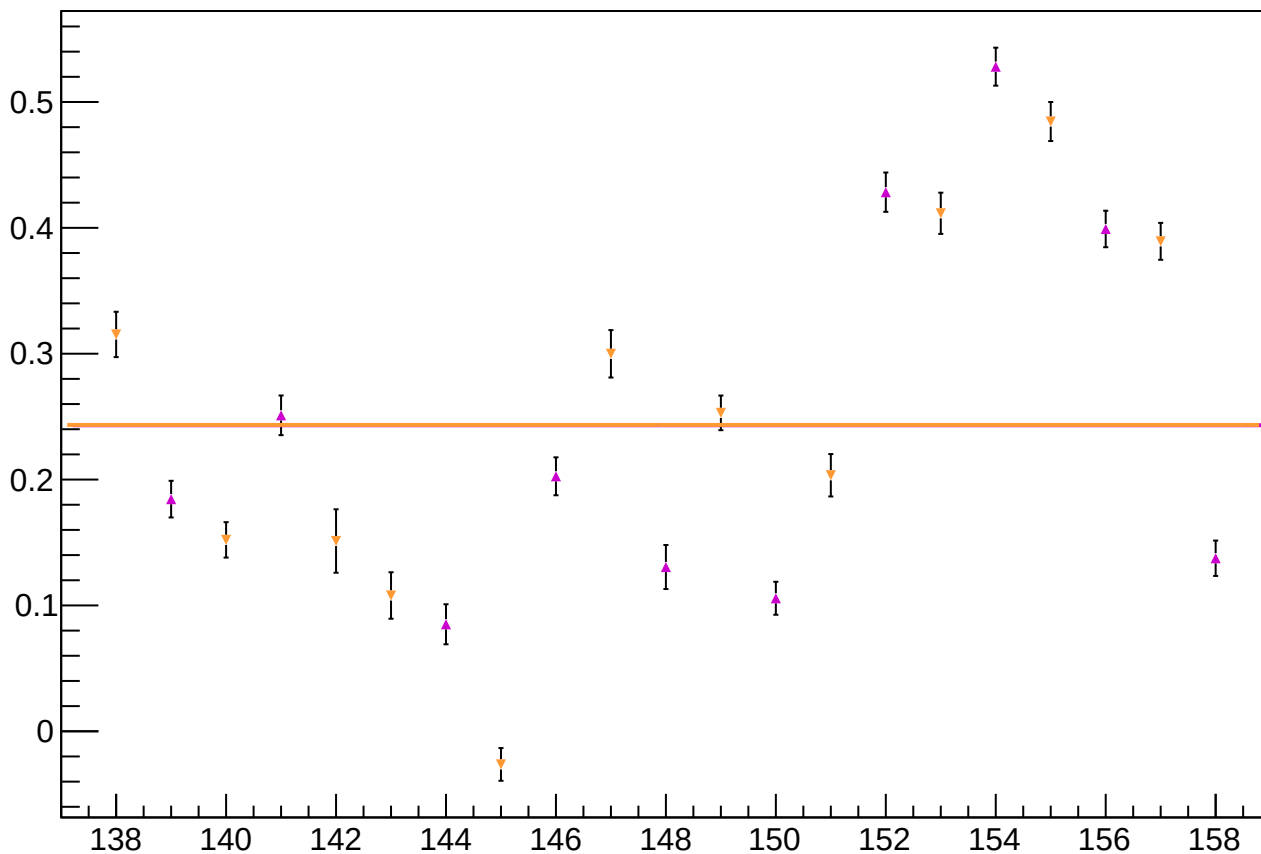
-57.677+/-0.102 χ^2/NDF : 1507.7/10

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

Left In: -56.974+/-0.102 χ^2/NDF : 1819.2/9

-56.974+/-0.102 χ^2/NDF : 1819.2/9

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



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

Left Out: 0.243 $\pm$ 0.005 χ^2 /NDF:1015.9/10

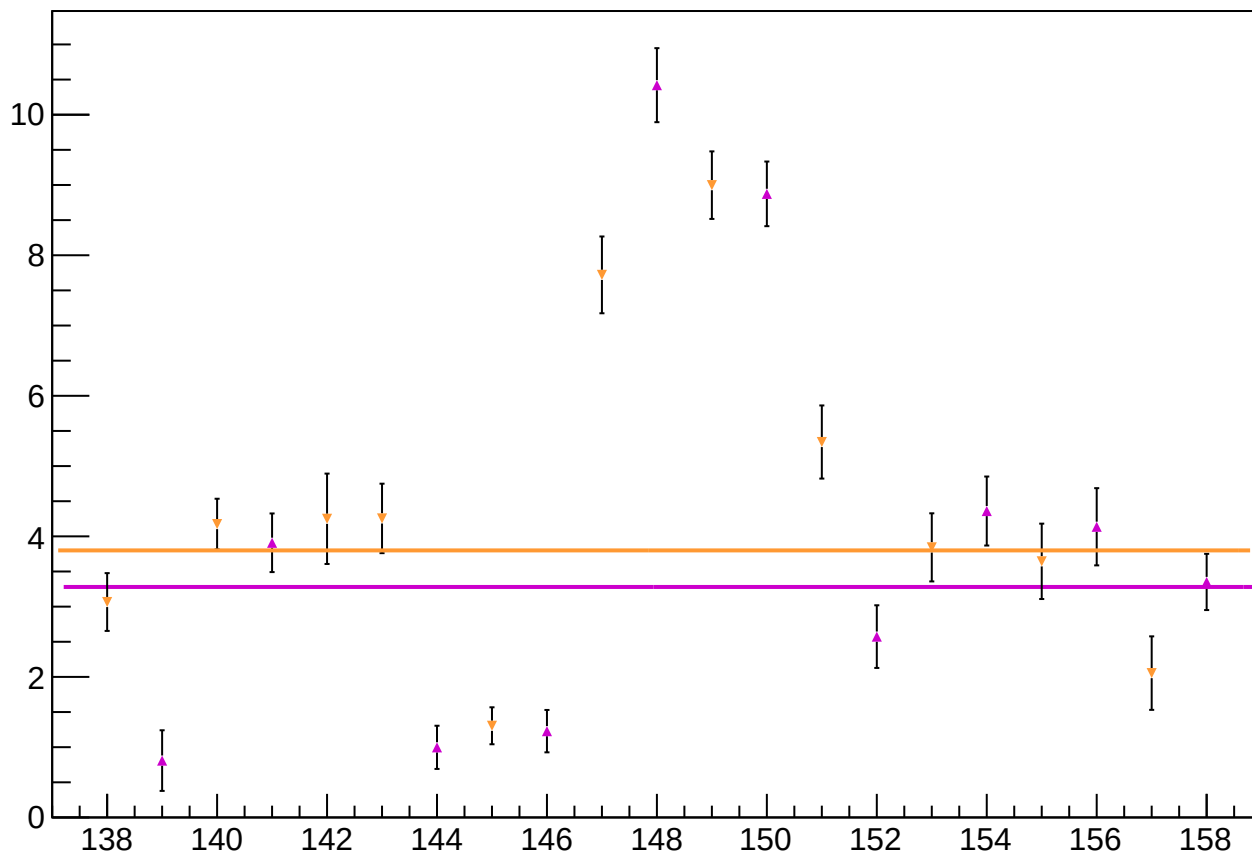
0.243 $\pm$ 0.005 χ^2 /NDF: 1015.9/10

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

0.243 $\pm$ 0.005 χ^2 /NDF: 943.3/9

Left In: 0.243 $\pm$ 0.005 χ^2 /NDF:943.3/9

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



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

Left Out: 3.800+/-0.132 χ^2/NDF :284.1/10

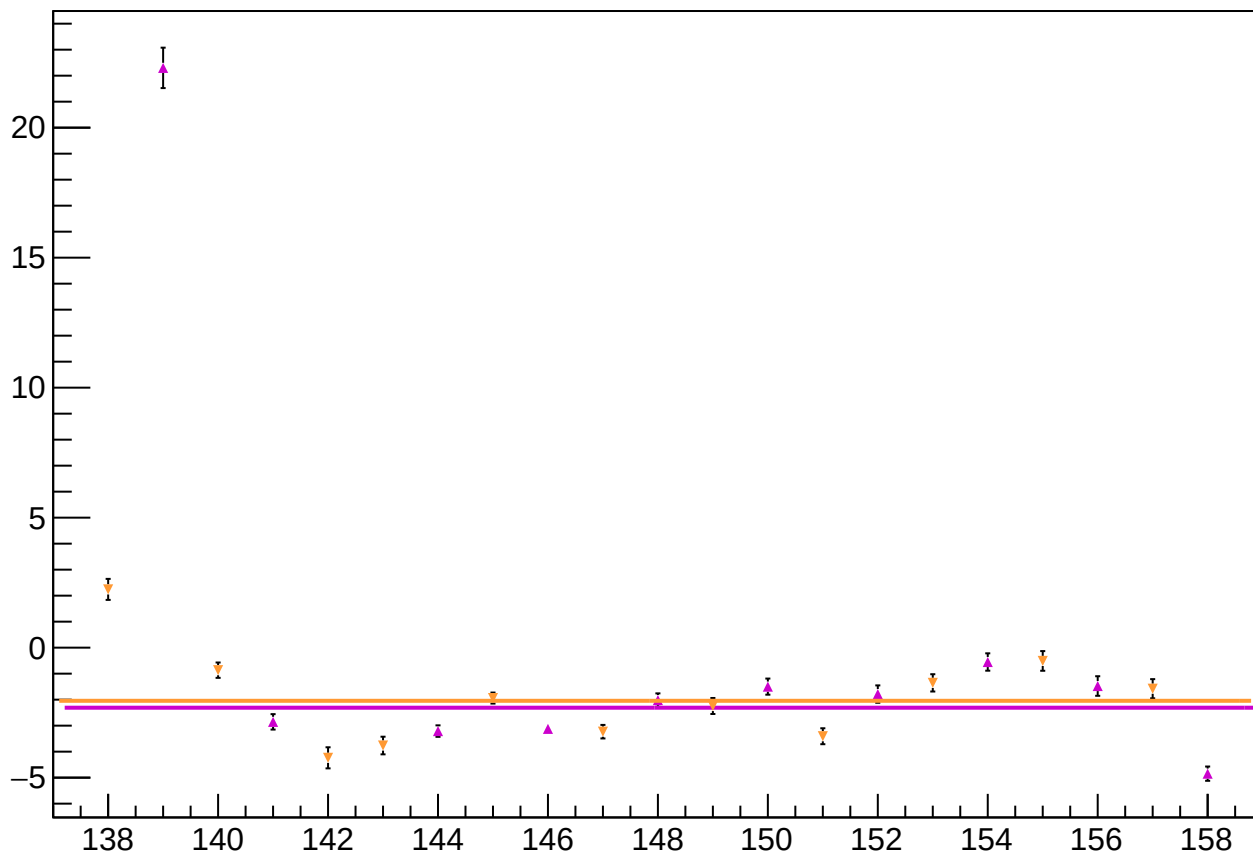
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 3.280+/-0.129 χ^2/NDF :478.1/9

3.800+/-0.132 χ^2/NDF : 284.1/10

3.280+/-0.129 χ^2/NDF : 478.1/9

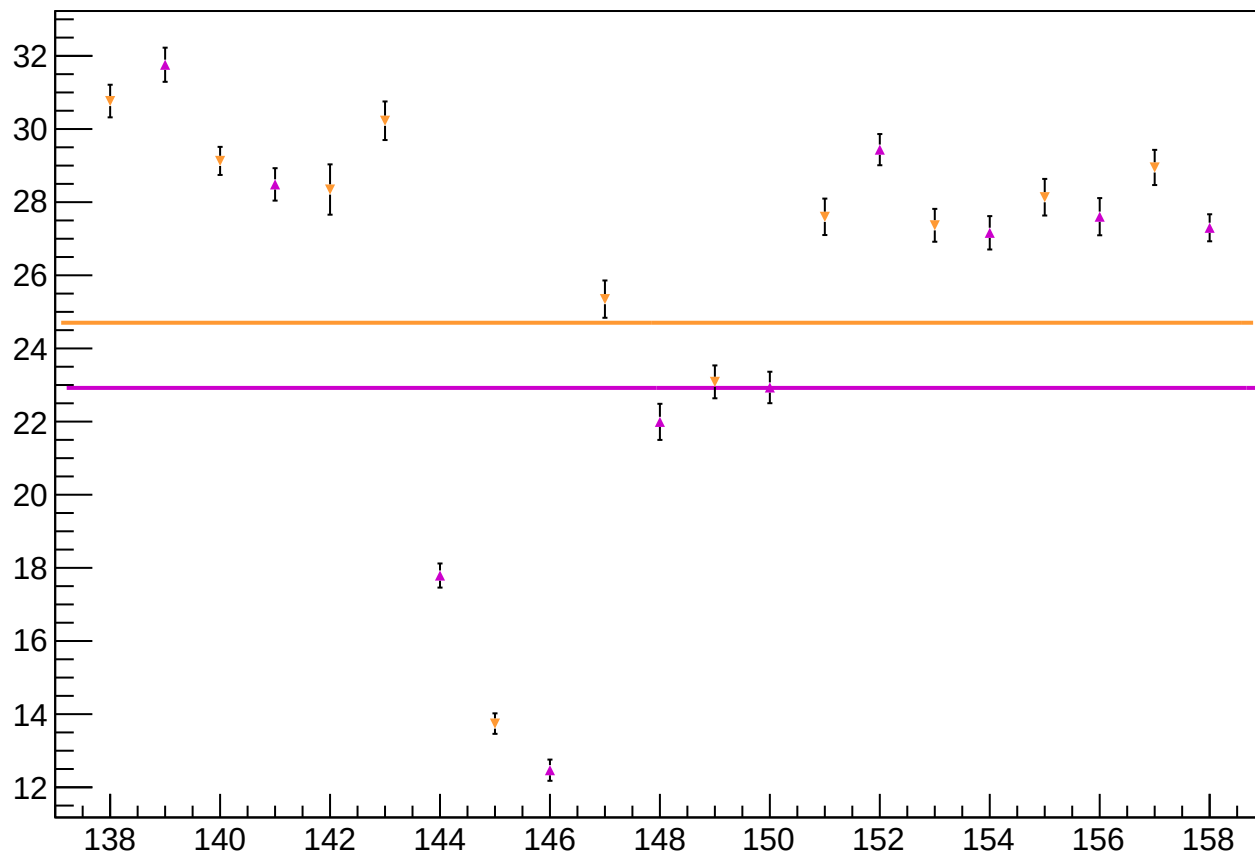
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.044+/-0.094 χ^2/NDF : 246.9/10
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.310+/-0.090 χ^2/NDF : 1169.0/9

-2.044+/-0.094 χ^2/NDF : 246.9/10
 -2.310+/-0.090 χ^2/NDF : 1169.0/9

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: 24.703+/-0.133 χ^2/NDF : 2192.5/10

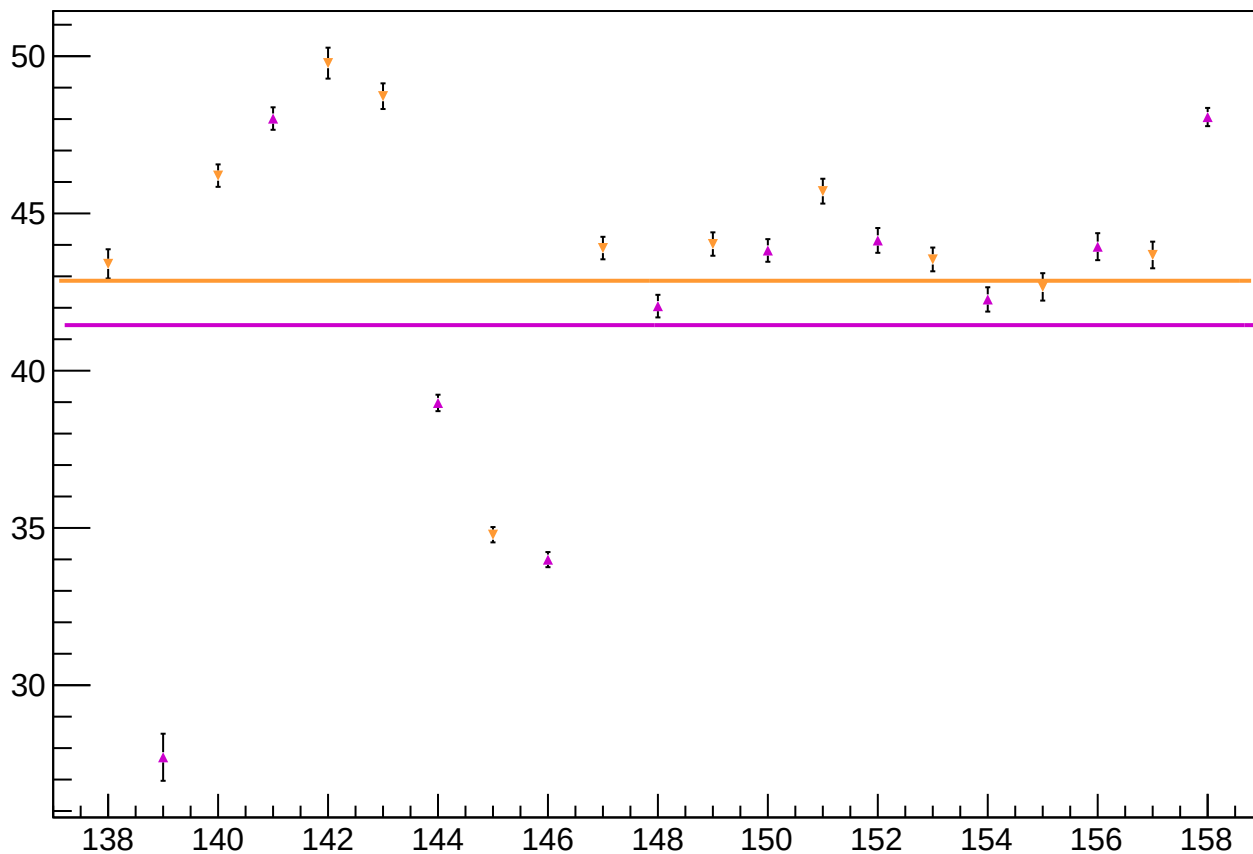
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 22.921+/-0.127 χ^2/NDF : 2605.3/9

24.703+/-0.133 χ^2/NDF : 2192.5/10

22.921+/-0.127 χ^2/NDF : 2605.3/9

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



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

Left Out: 42.860+/-0.113 χ^2/NDF :1666.7/10

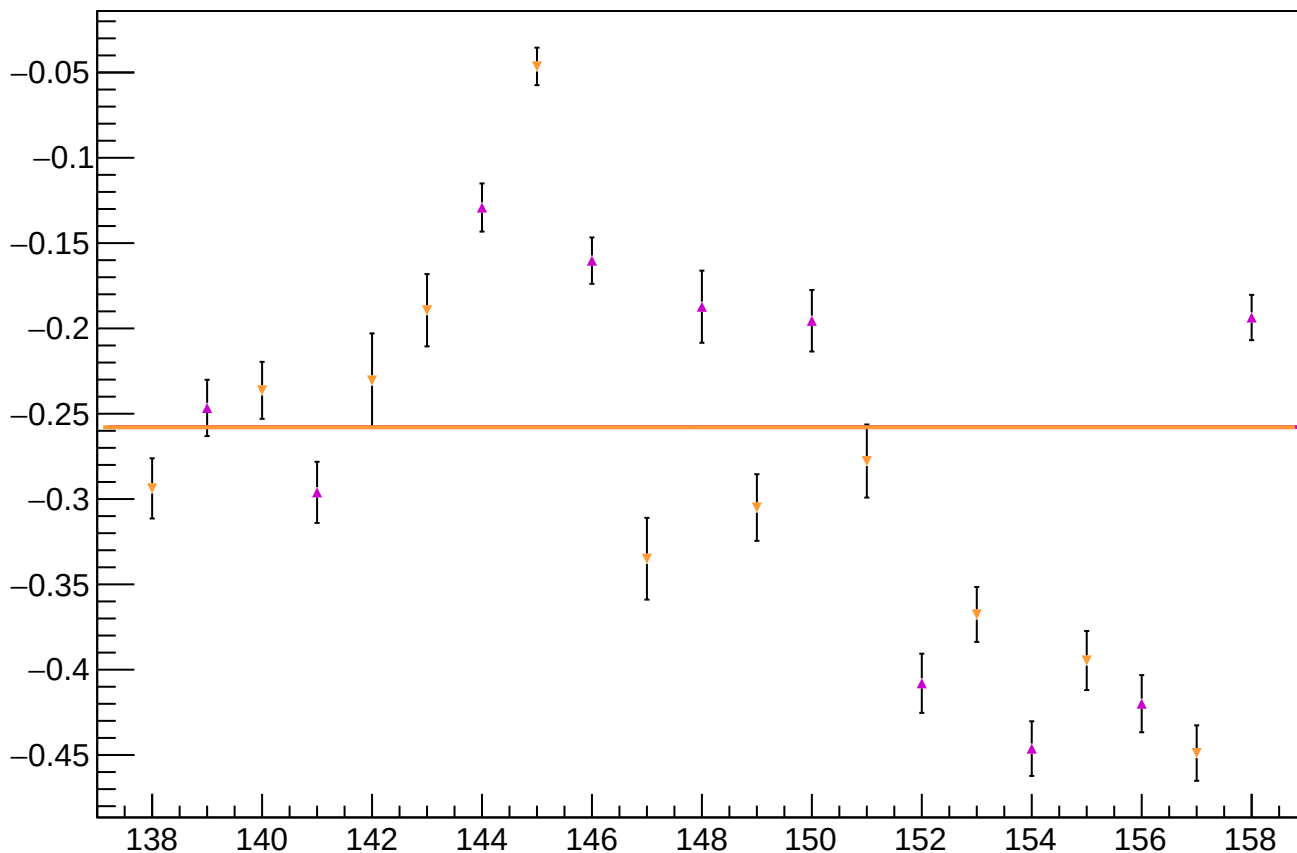
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 41.449+/-0.107 χ^2/NDF :2378.7/9

42.860+/-0.113 χ^2/NDF : 1666.7/10

41.449+/-0.107 χ^2/NDF : 2378.7/9

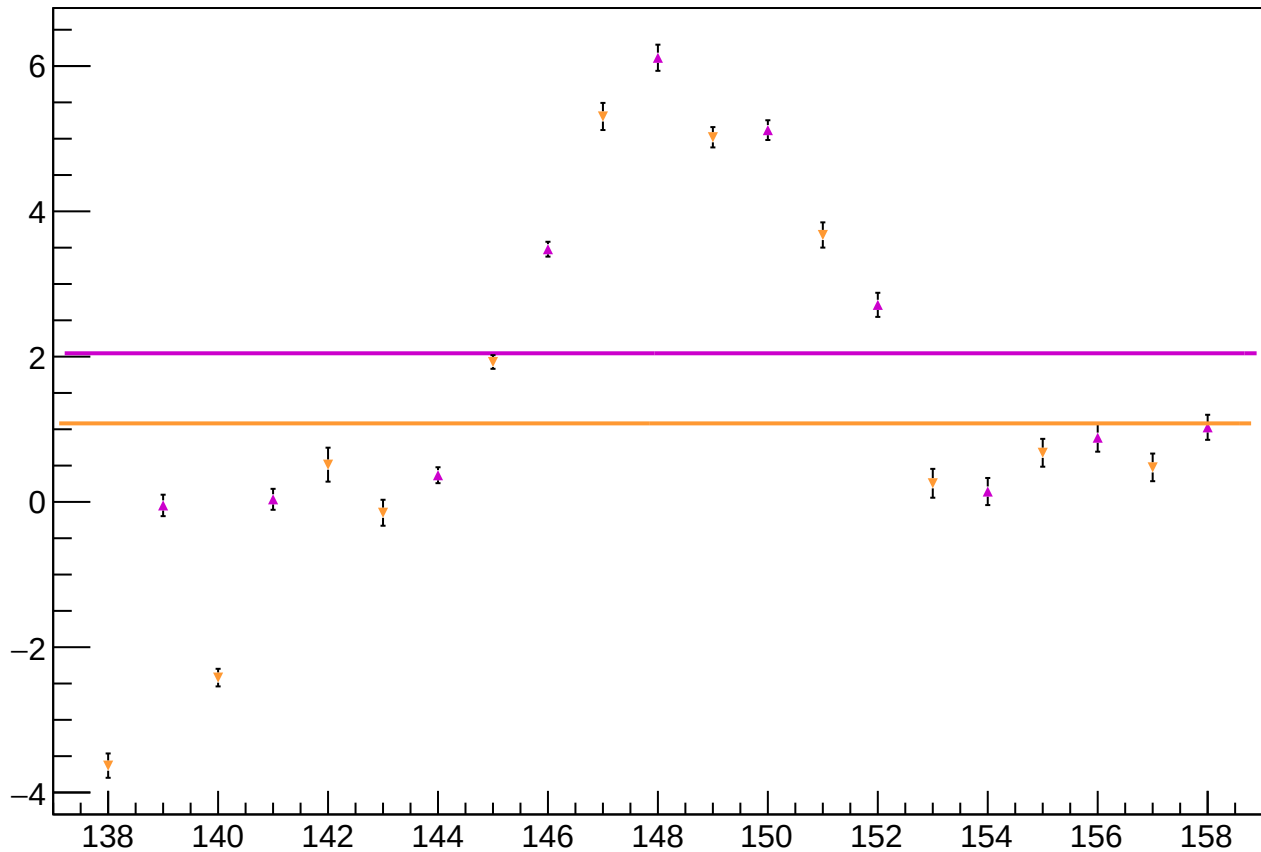
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.258+/-0.005 χ^2/NDF : 651.9/10
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.258+/-0.005 χ^2/NDF : 493.2/9

-0.258+/-0.005 χ^2/NDF : 651.9/10
 -0.258+/-0.005 χ^2/NDF : 493.2/9

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



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

Left Out: 1.081 $\pm$ 0.047 χ^2 /NDF:3319.1/10

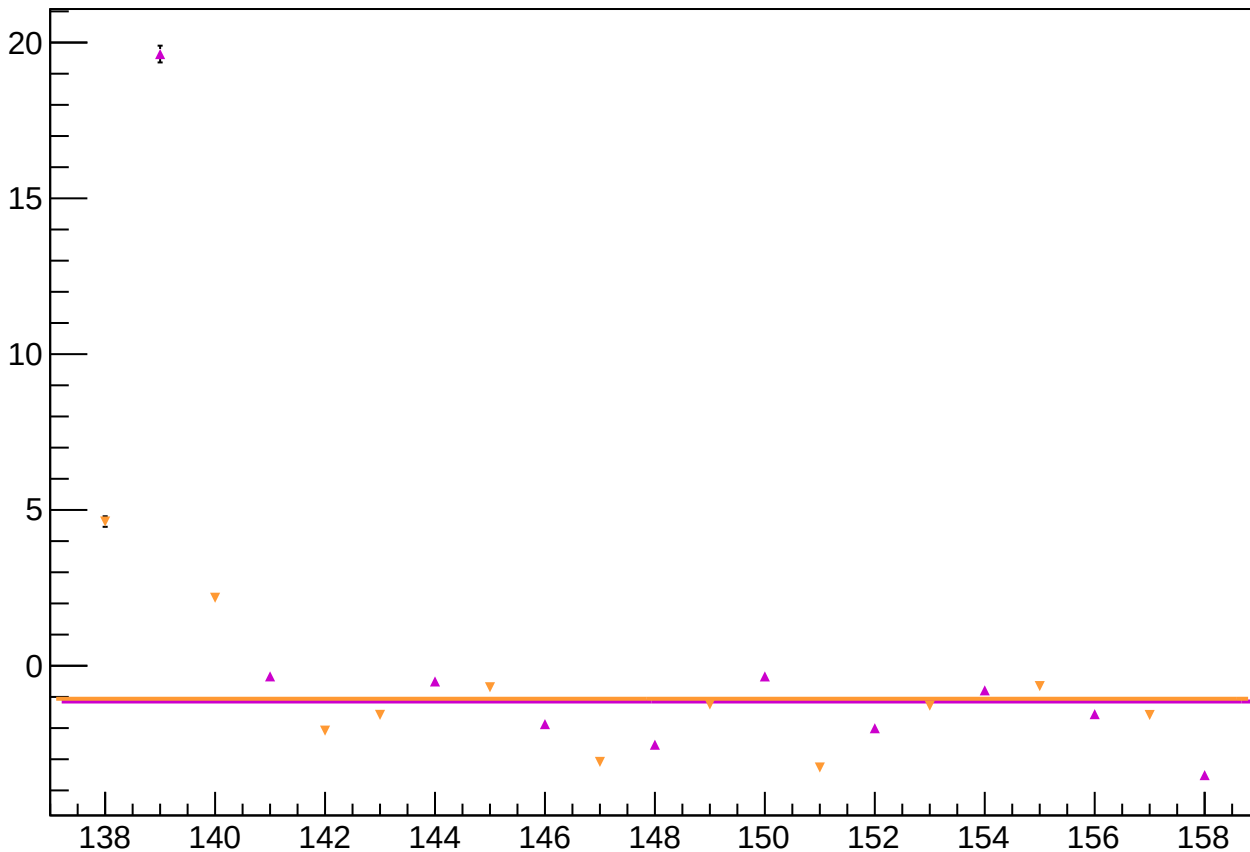
1.081 $\pm$ 0.047 χ^2 /NDF: 3319.1/10

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

Left In: 2.046 $\pm$ 0.045 χ^2 /NDF:2040.2/9

2.046 $\pm$ 0.045 χ^2 /NDF: 2040.2/9

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: -1.059+/-0.033 χ^2/NDF : 3270.9/10

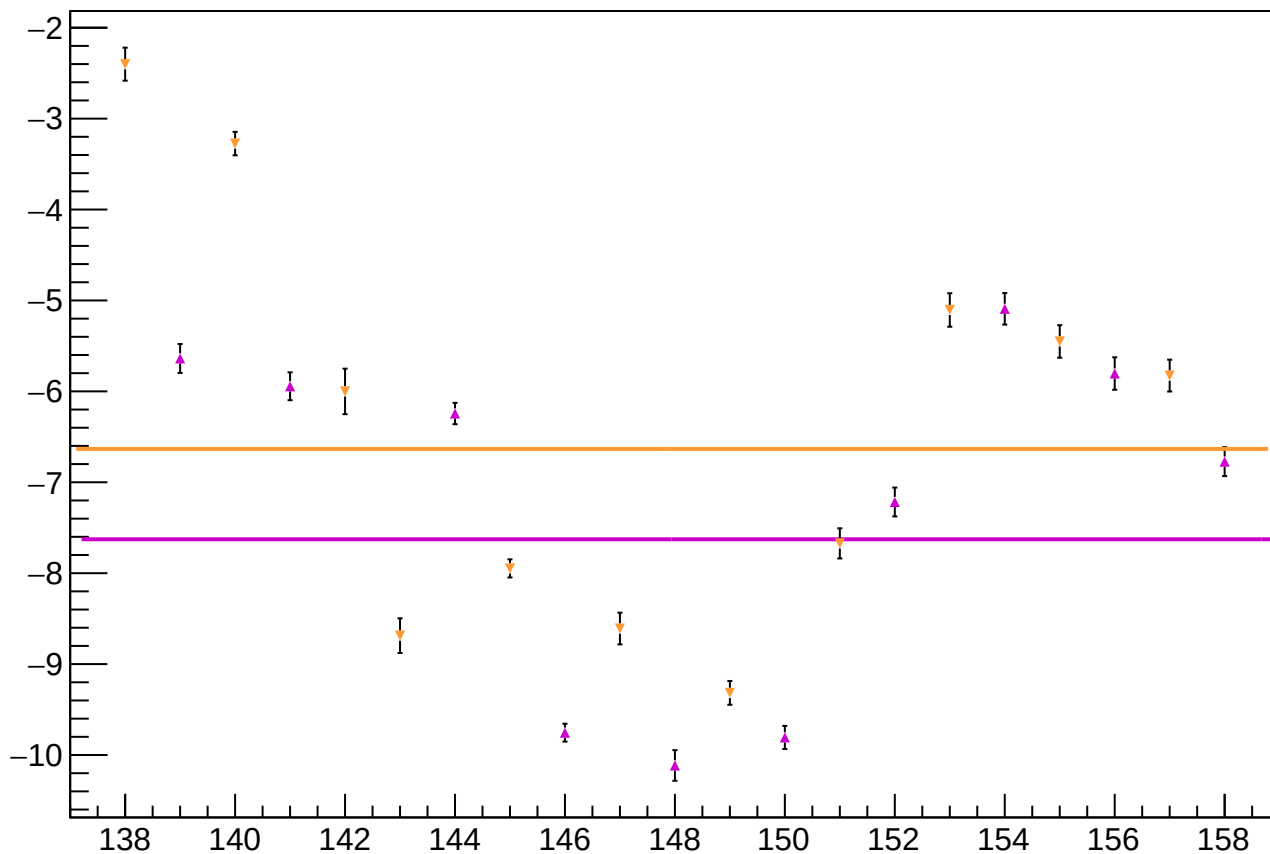
-1.059+/-0.033 χ^2/NDF : 3270.9/10

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

Left In: -1.147+/-0.032 χ^2/NDF : 6994.1/9

-1.147+/-0.032 χ^2/NDF : 6994.1/9

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: -6.633+/-0.047 χ^2/NDF : 2238.6/10

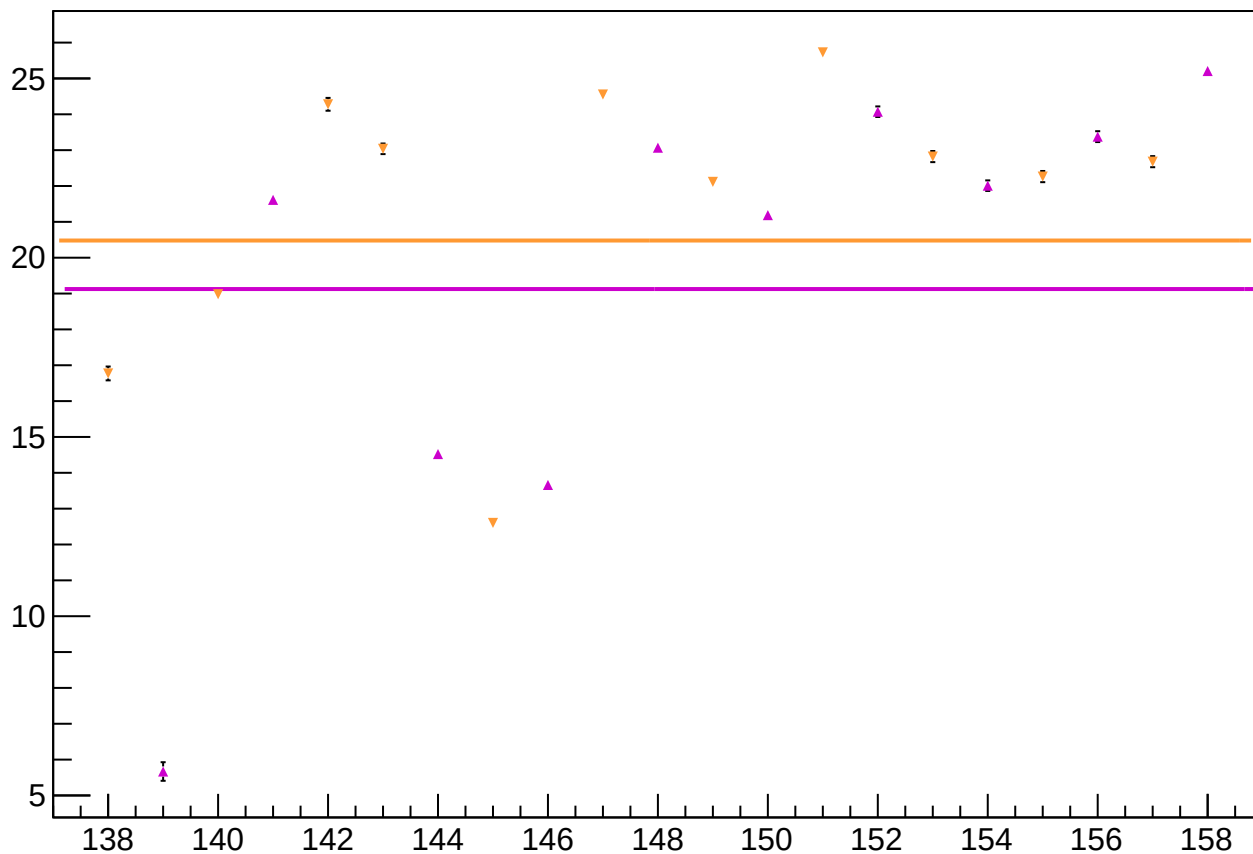
-6.633+/-0.047 χ^2/NDF : 2238.6/10

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

-7.627+/-0.045 χ^2/NDF : 1746.3/9

Left In: -7.627+/-0.045 χ^2/NDF : 1746.3/9

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



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

Left Out: 20.479 $\pm$ 0.040 χ^2 /NDF:12724.7/10

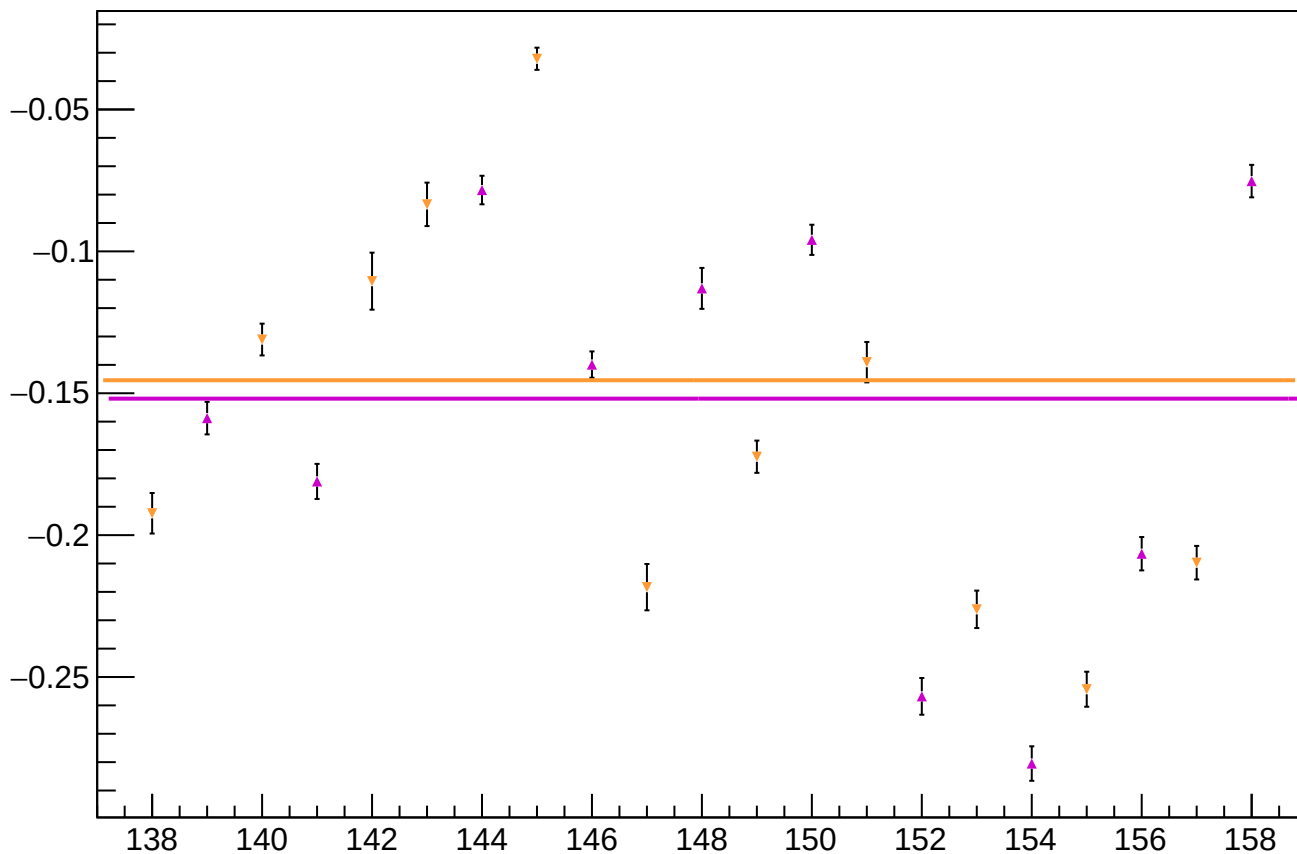
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 19.126 $\pm$ 0.038 χ^2 /NDF:16016.5/9

20.479 $\pm$ 0.040 χ^2 /NDF: 12724.7/10

19.126 $\pm$ 0.038 χ^2 /NDF: 16016.5/9

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



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

Left Out: -0.145 $\pm$ 0.002 χ^2 /NDF:1650.7/10

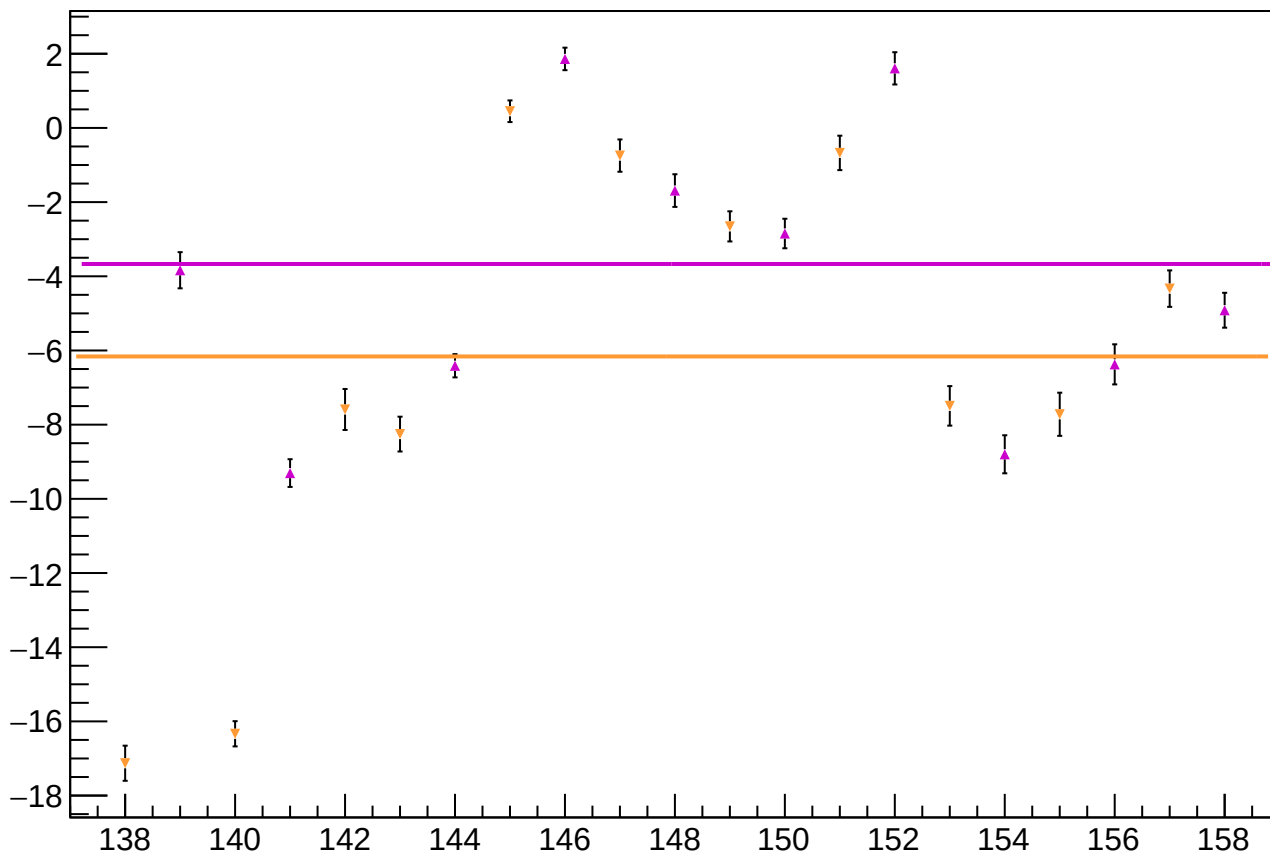
-0.145 $\pm$ 0.002 χ^2 /NDF: 1650.7/10

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

-0.152 $\pm$ 0.002 χ^2 /NDF: 1360.6/9

Left In: -0.152 $\pm$ 0.002 χ^2 /NDF:1360.6/9

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



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

Left Out: -6.161+/-0.130 χ^2/NDF : 2366.9/10

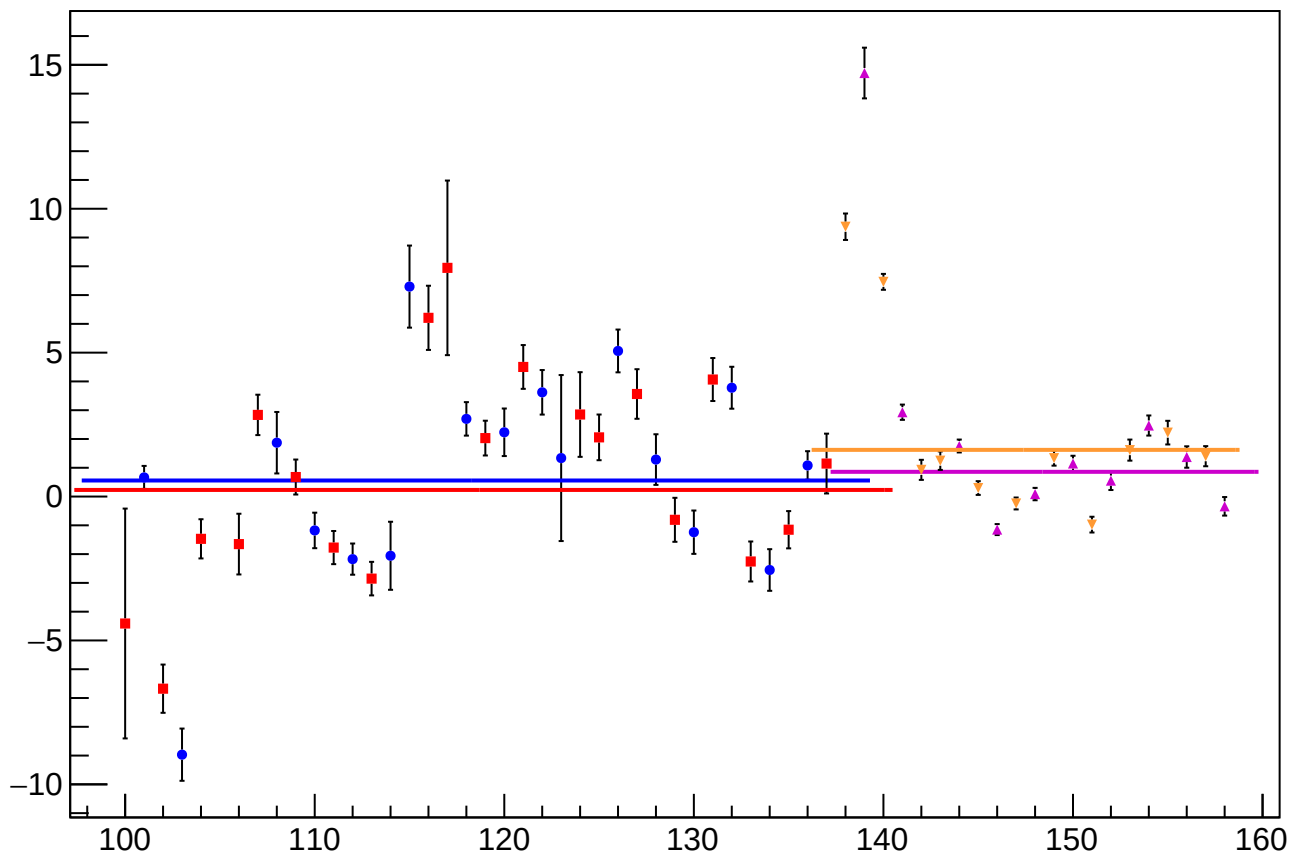
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -3.668+/-0.128 χ^2/NDF : 939.6/9

-6.161+/-0.130 χ^2/NDF : 2366.9/10

-3.668+/-0.128 χ^2/NDF : 939.6/9

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 0.558 ± 0.170 χ^2/NDF : 287.9/16

Left Out: 1.622 ± 0.089 χ^2/NDF : 942.1/10

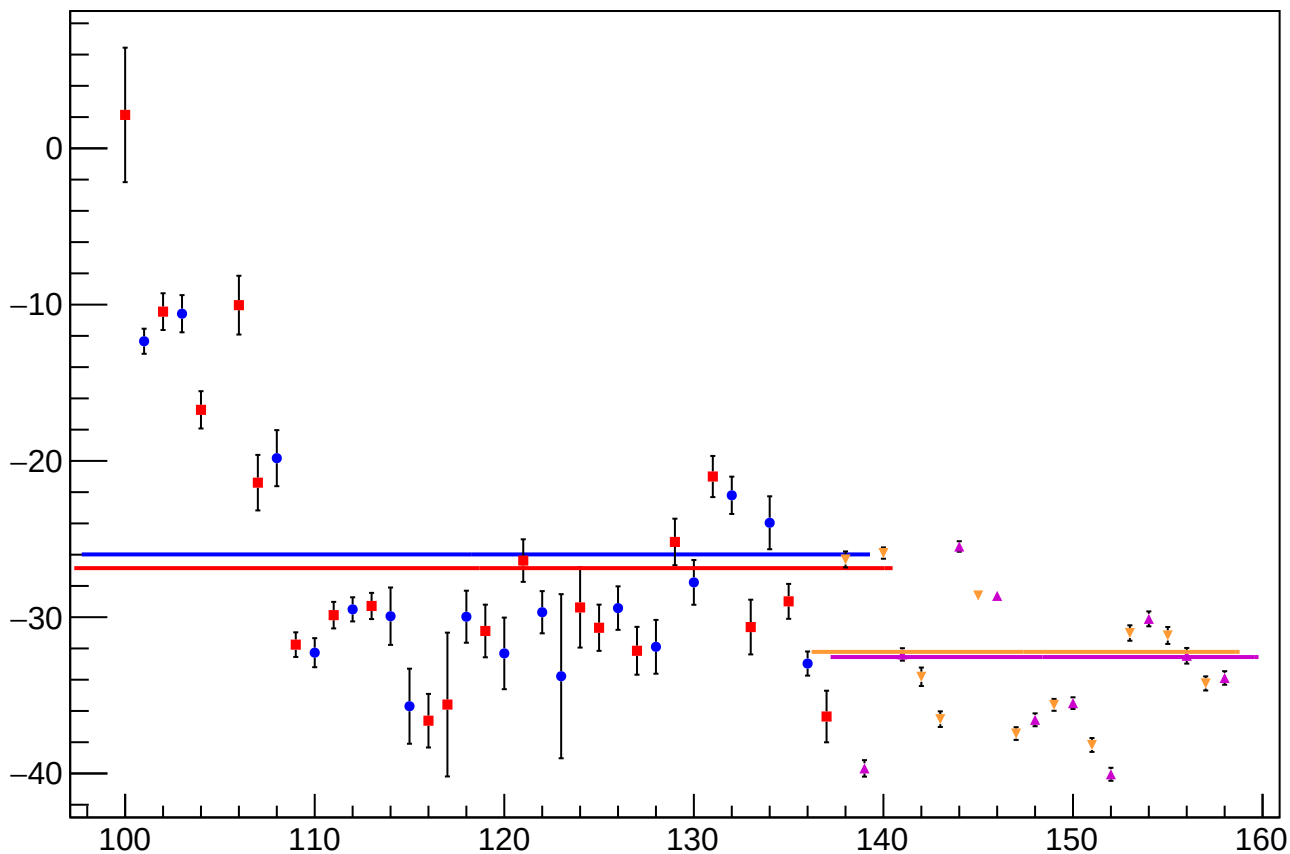
Right Out: 0.230 ± 0.174 χ^2/NDF : 278.5/19

Left In: 0.859 ± 0.087 χ^2/NDF : 486.6/9

1.394 ± 0.079 χ^2/NDF : 1260.8/27

0.734 ± 0.078 χ^2/NDF : 775.6/29

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -25.984±/0.300 χ^2/NDF : 691.5/16

Left Out: -32.219±/0.130 χ^2/NDF : 1109.5/10

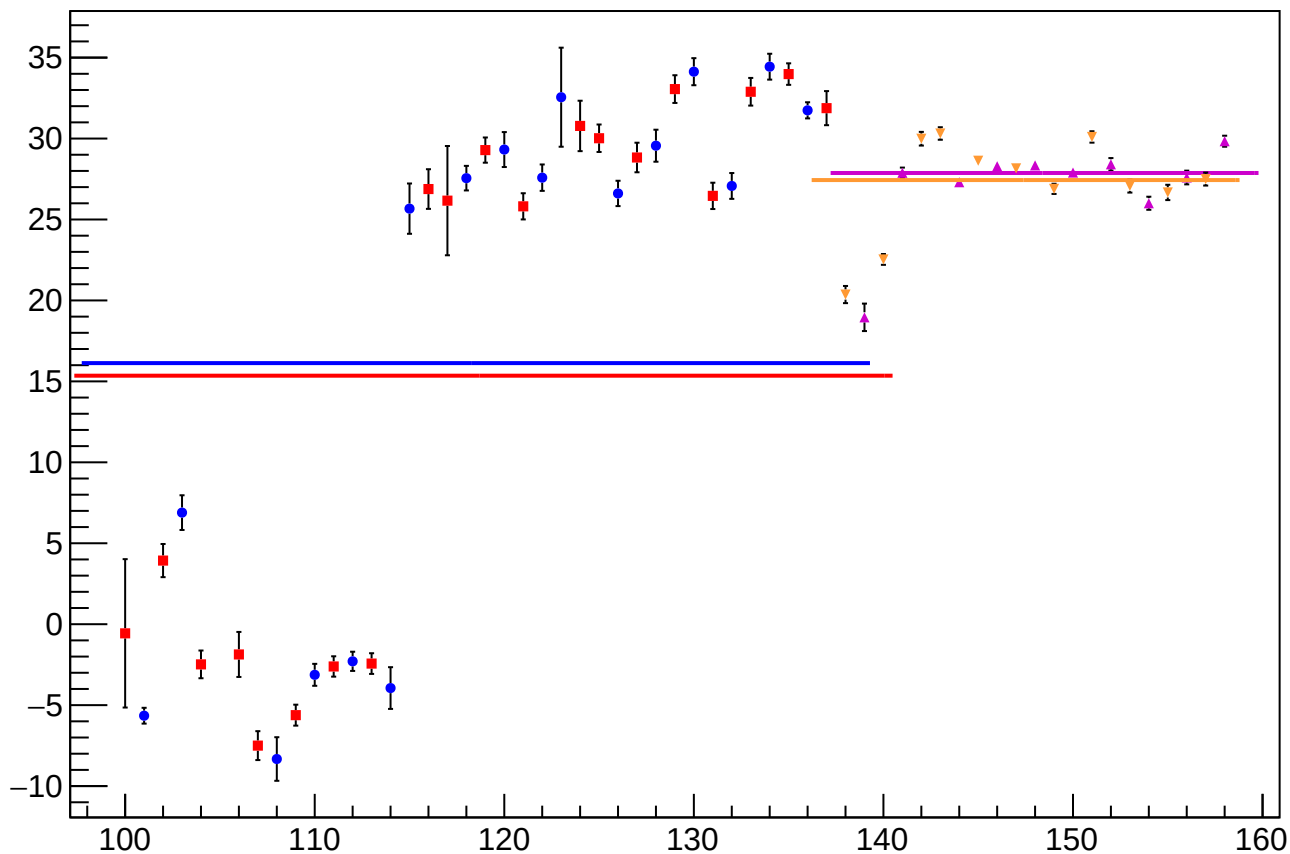
Right Out: -26.861±/0.297 χ^2/NDF : 585.2/19

Left In: -32.550±/0.126 χ^2/NDF : 1323.8/9

-31.236±/0.119 χ^2/NDF : 2163.8/27

-31.684±/0.116 χ^2/NDF : 2220.0/29

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 16.129 $\pm$ 0.192 χ^2 /NDF: 7572.5/16

Left Out: 27.436 $\pm$ 0.108 χ^2 /NDF: 574.0/10

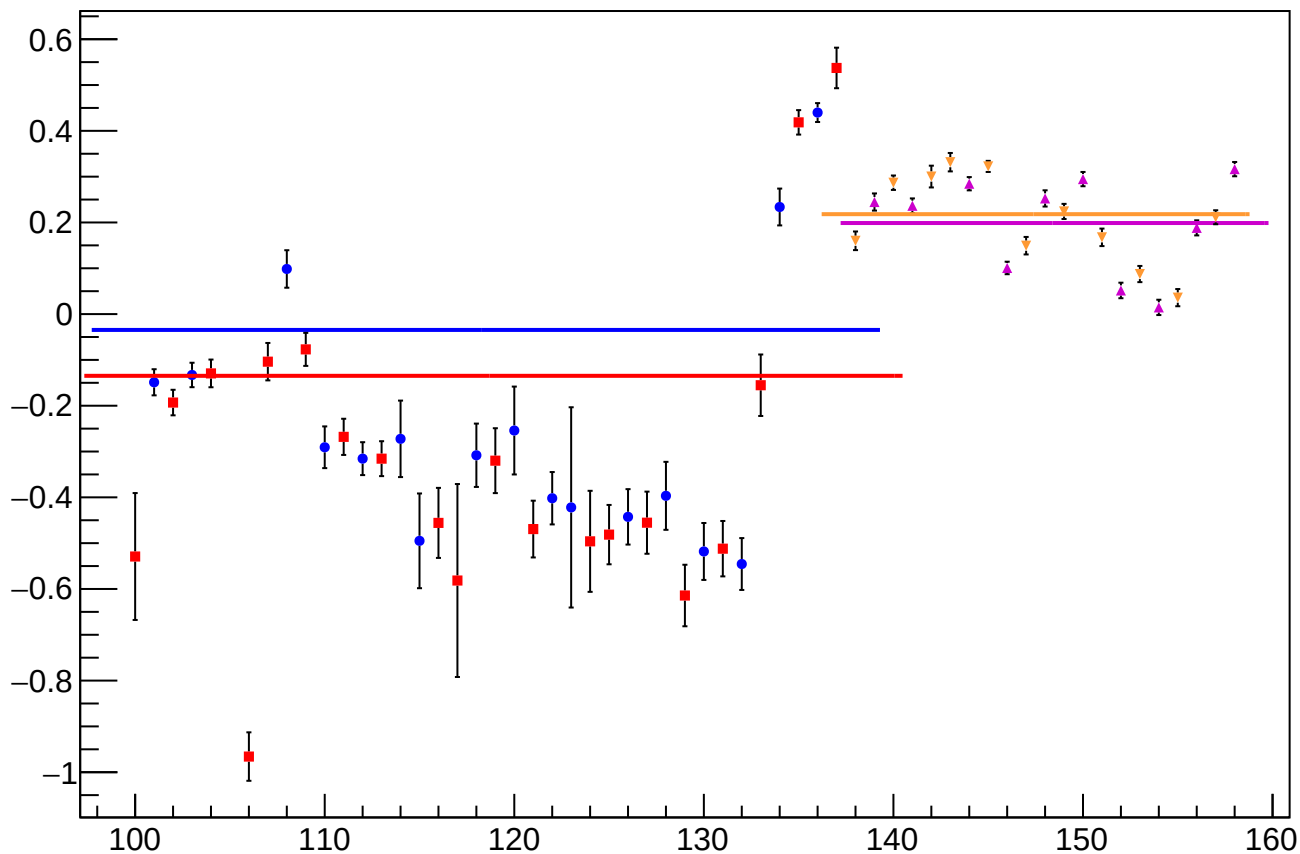
Right Out: 15.352 $\pm$ 0.197 χ^2 /NDF: 7288.4/19

Left In: 27.873 $\pm$ 0.105 χ^2 /NDF: 177.6/9

24.701 $\pm$ 0.094 χ^2 /NDF: 10774.3/27

25.112 $\pm$ 0.092 χ^2 /NDF: 10625.1/29

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.035+/-0.010 χ^2/NDF : 1011.6/16

Left Out: 0.218+/-0.005 χ^2/NDF : 314.0/10

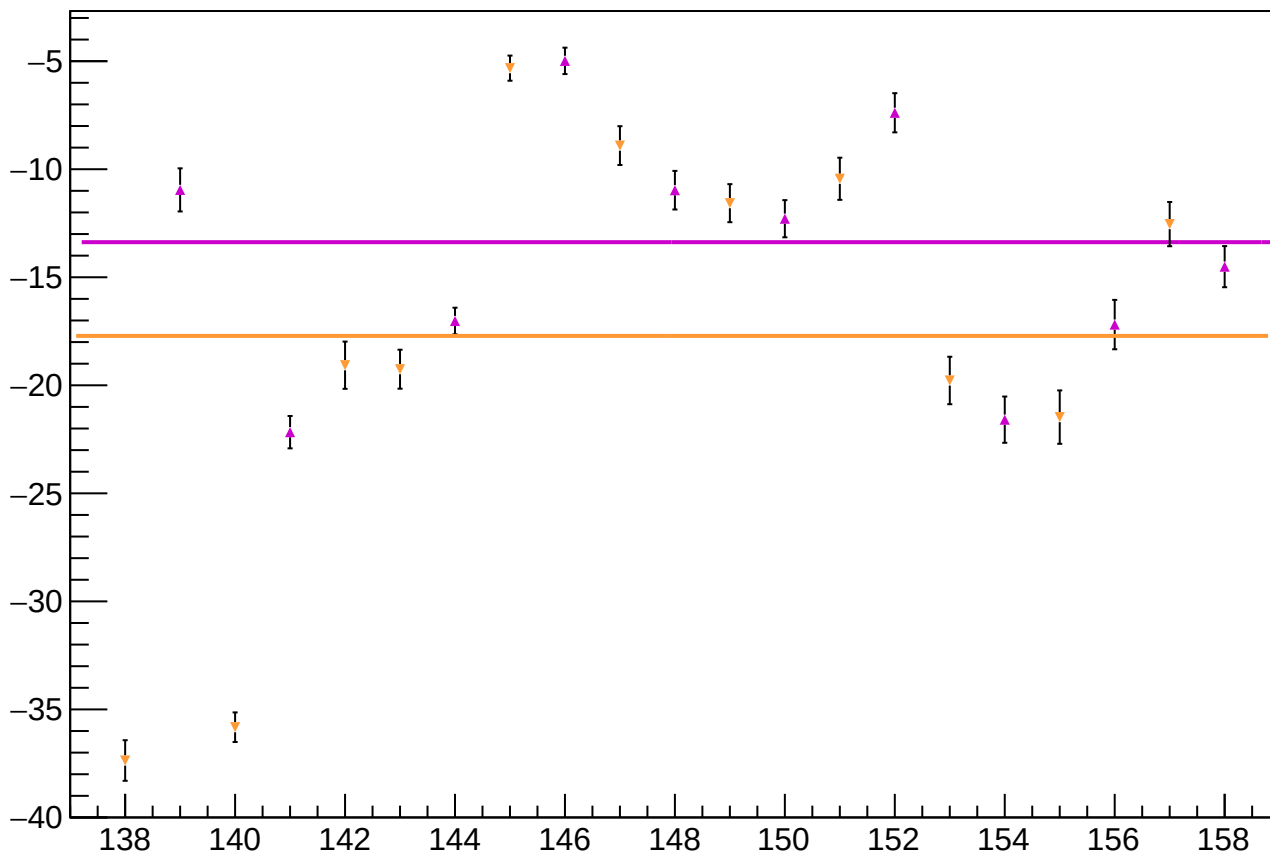
Right Out: -0.135+/-0.010 χ^2/NDF : 1166.4/19

Left In: 0.199+/-0.005 χ^2/NDF : 398.9/9

0.167+/-0.005 χ^2/NDF : 1802.8/27

0.134+/-0.005 χ^2/NDF : 2401.5/29

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



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

Left Out: -17.714+/-0.264 χ^2/NDF : 1834.3/10

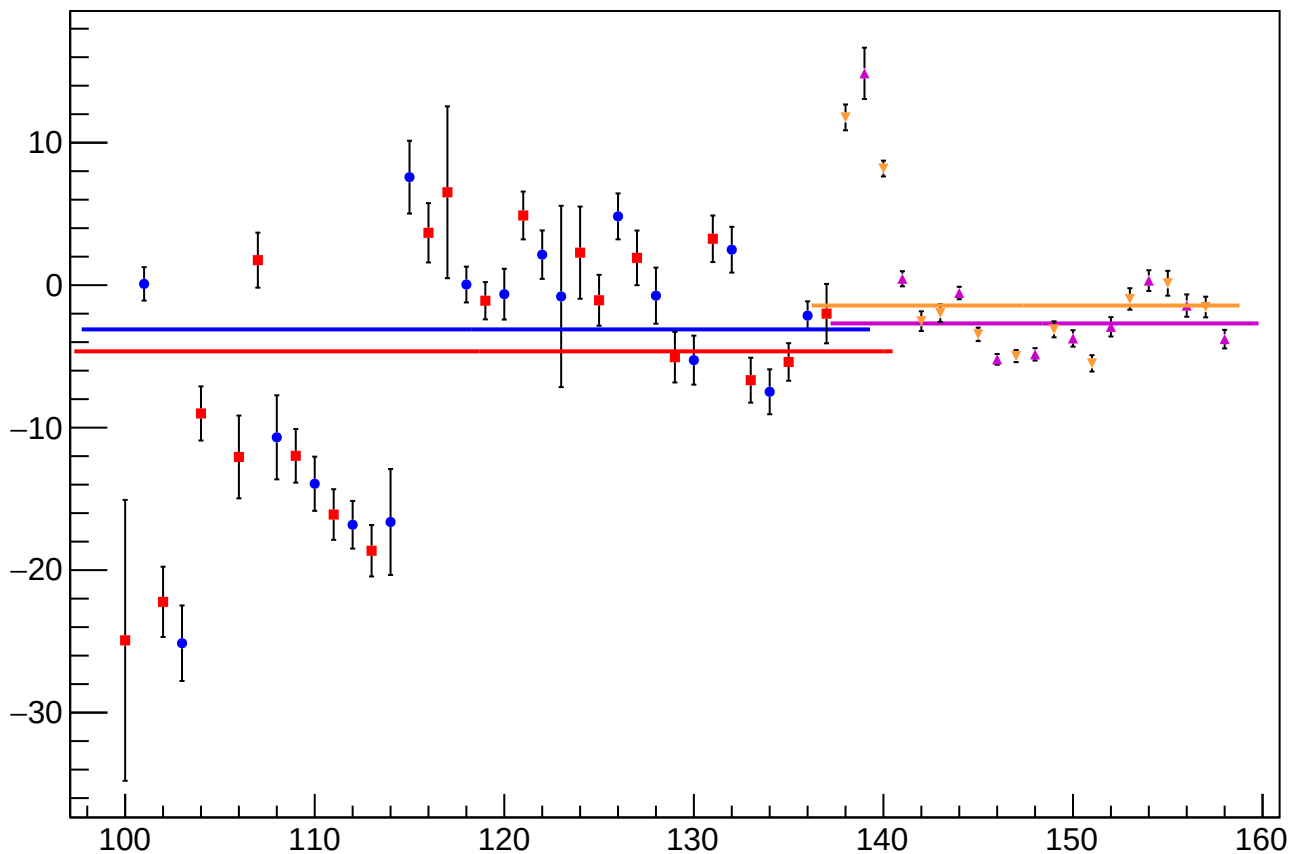
-17.714+/-0.264 χ^2/NDF : 1834.3/10

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

Left In: -13.376+/-0.261 χ^2/NDF : 491.9/9

-13.376+/-0.261 χ^2/NDF : 491.9/9

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -3.104 ± 0.411 χ^2/NDF : 279.1/16

-1.702 ± 0.166 χ^2/NDF : 958.4/27

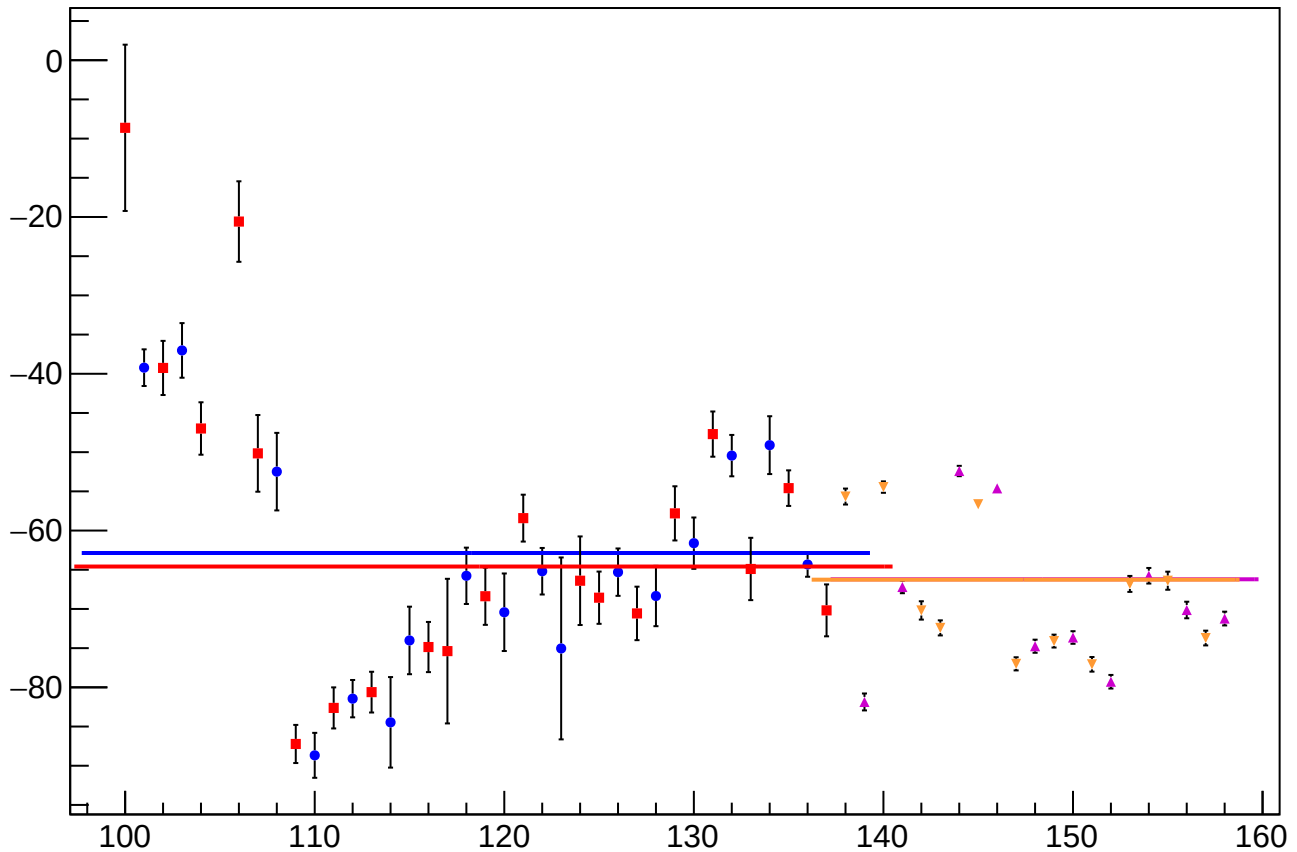
Left Out: -1.429 ± 0.182 χ^2/NDF : 665.3/10

Right Out: -4.645 ± 0.425 χ^2/NDF : 301.1/19

-2.972 ± 0.162 χ^2/NDF : 568.5/29

Left In: -2.687 ± 0.176 χ^2/NDF : 249.3/9

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -62.863 ± 0.741 $\chi^2/\text{NDF}: 368.7/16$

Left Out: -66.266 ± 0.266 $\chi^2/\text{NDF}: 1117.4/10$

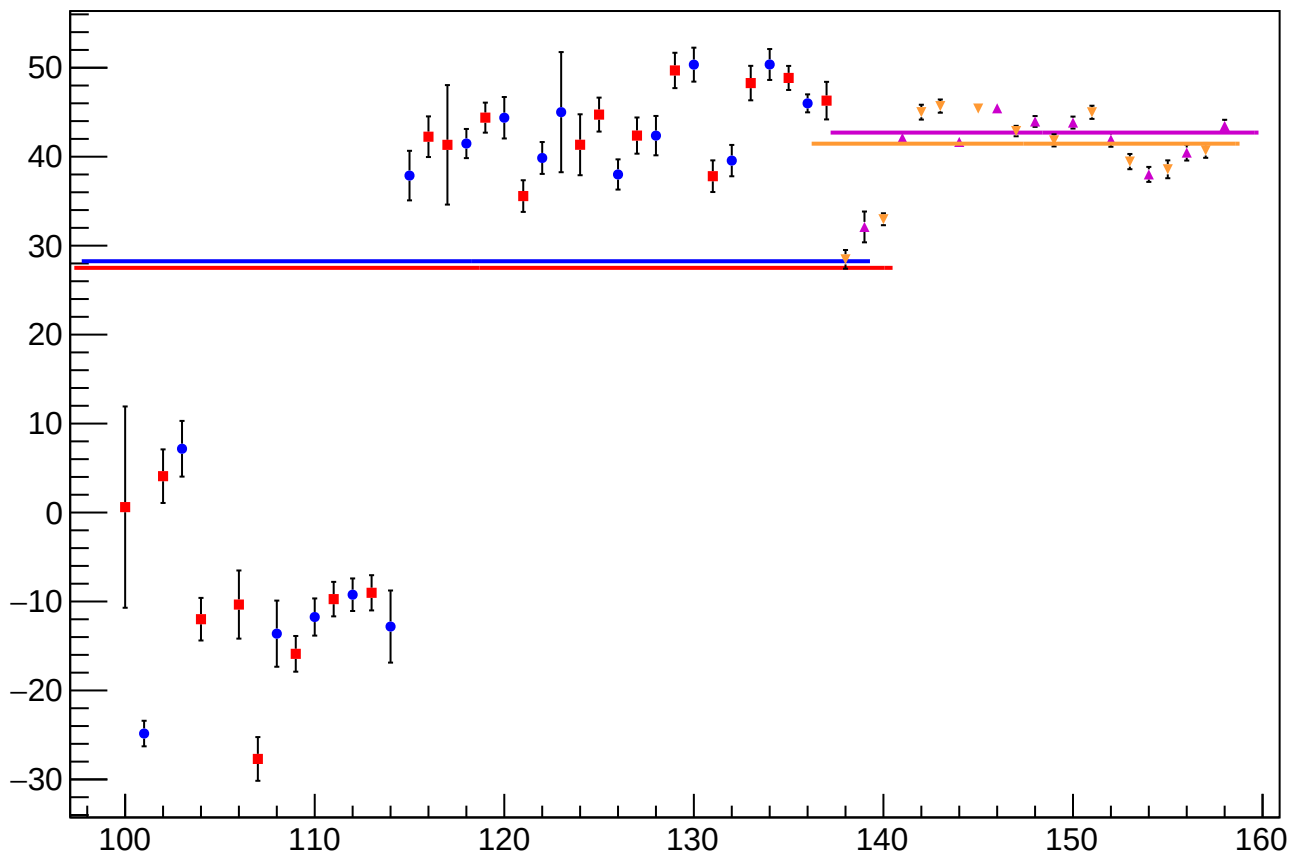
Right Out: -64.588 ± 0.749 $\chi^2/\text{NDF}: 445.6/19$

Left In: -66.216 ± 0.257 $\chi^2/\text{NDF}: 1504.1/9$

-65.878 ± 0.250 $\chi^2/\text{NDF}: 1504.8/27$

-66.044 ± 0.243 $\chi^2/\text{NDF}: 1954.0/29$

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: 41.463 $\pm$ 0.221 χ^2 /NDF: 460.0/10

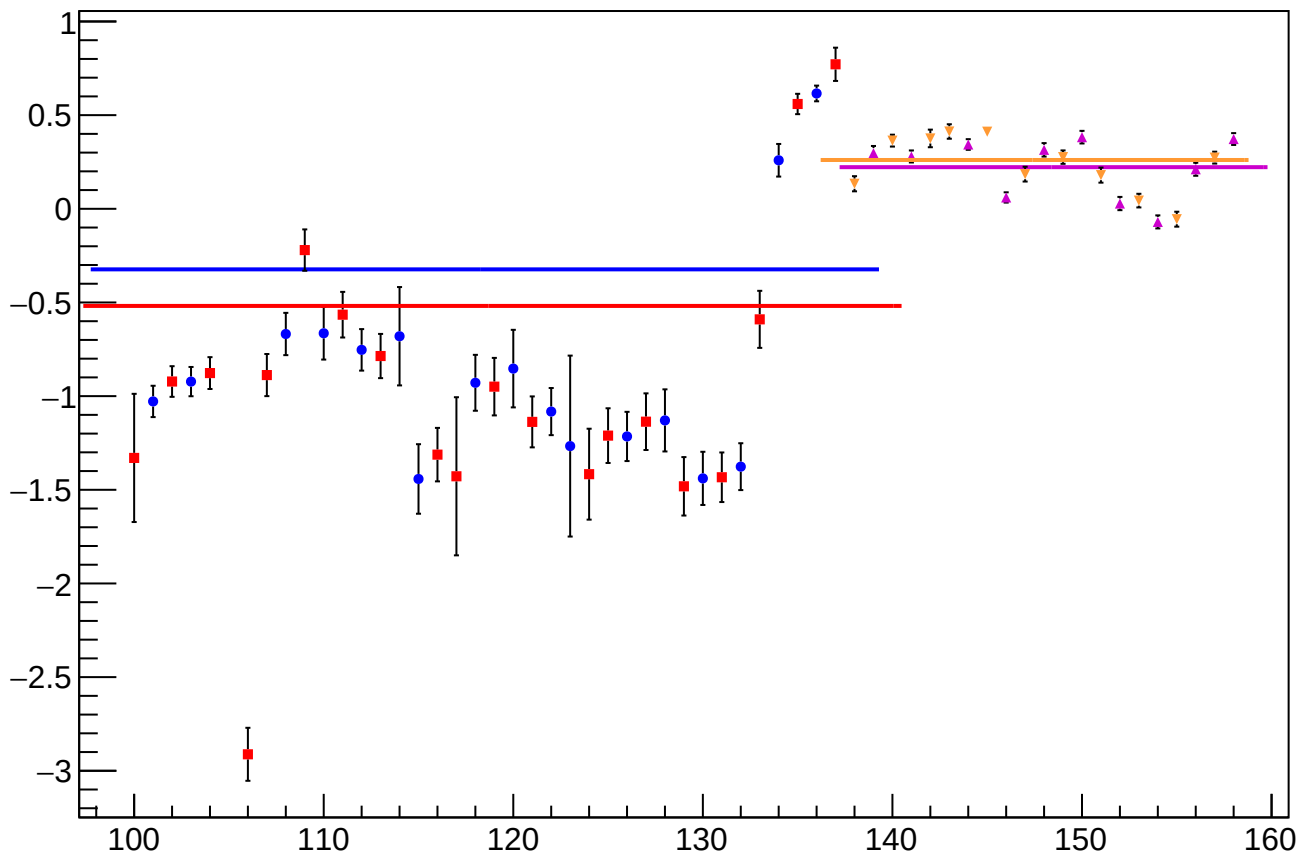
Right Out: 27.505 $\pm$ 0.478 χ^2 /NDF: 3036.7/19

Left In: 42.709 $\pm$ 0.213 χ^2 /NDF: 122.0/9

38.981 $\pm$ 0.199 χ^2 /NDF: 4449.3/27

40.194 $\pm$ 0.194 χ^2 /NDF: 4004.5/29

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.323 ± 0.025 $\chi^2/\text{NDF}: 1010.8/16$

Left Out: 0.261 ± 0.011 $\chi^2/\text{NDF}: 187.1/10$

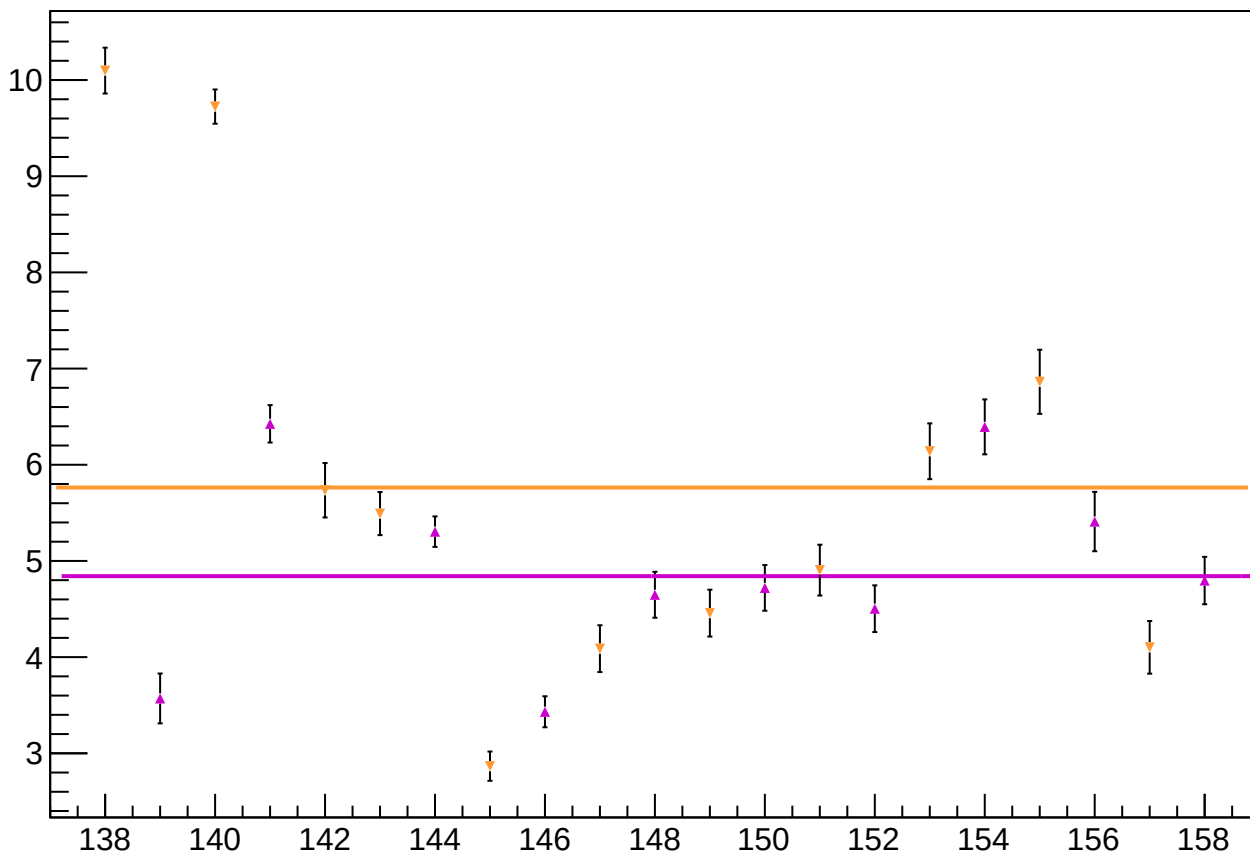
Right Out: -0.518 ± 0.026 $\chi^2/\text{NDF}: 1165.5/19$

Left In: 0.222 ± 0.010 $\chi^2/\text{NDF}: 212.0/9$

0.171 ± 0.010 $\chi^2/\text{NDF}: 1661.2/27$

0.119 ± 0.010 $\chi^2/\text{NDF}: 2091.6/29$

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



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

Left Out: 5.764+/-0.069 χ^2/NDF :1325.8/10

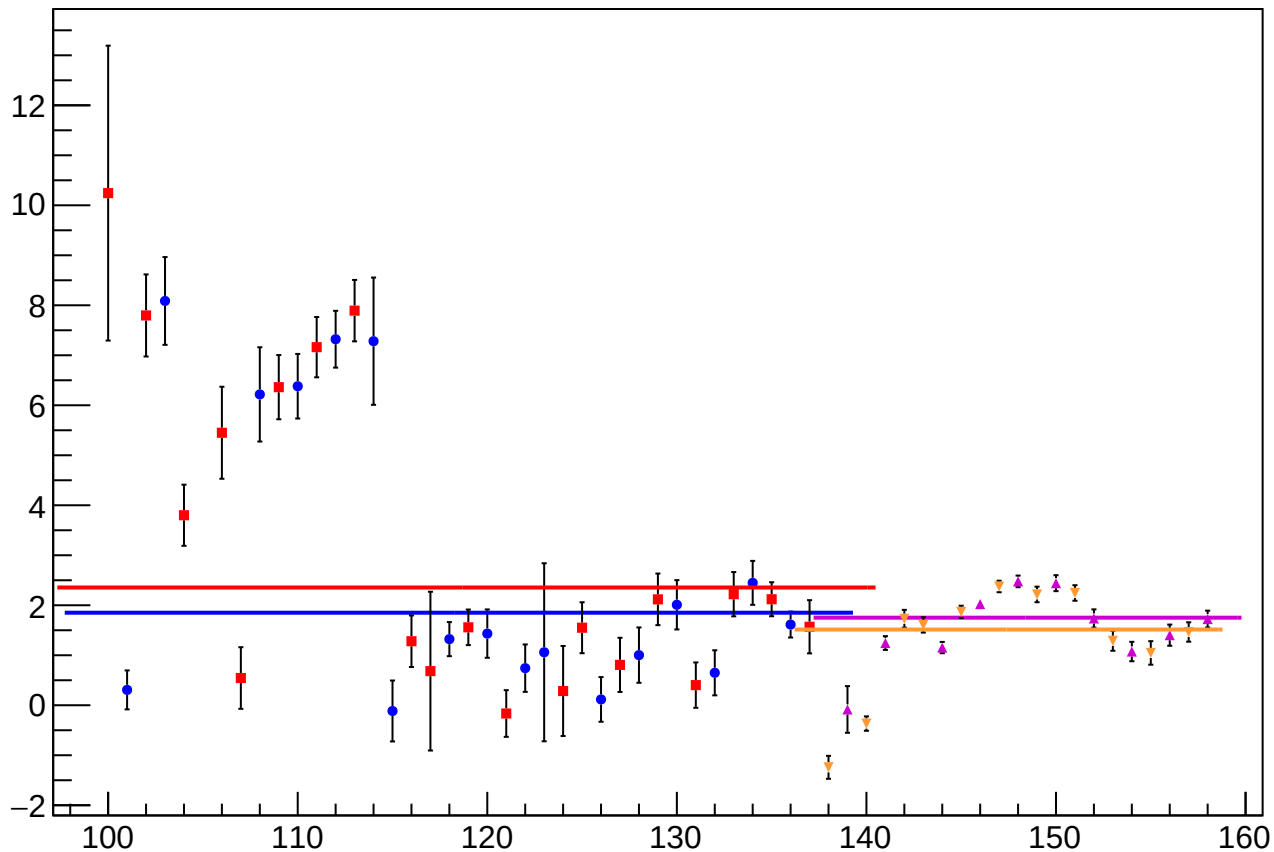
5.764+/-0.069 χ^2/NDF : 1325.8/10

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

Left In: 4.842+/-0.069 χ^2/NDF :211.3/9

4.842+/-0.069 χ^2/NDF : 211.3/9

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: 1.514+/-0.048 χ^2/NDF : 427.8/10

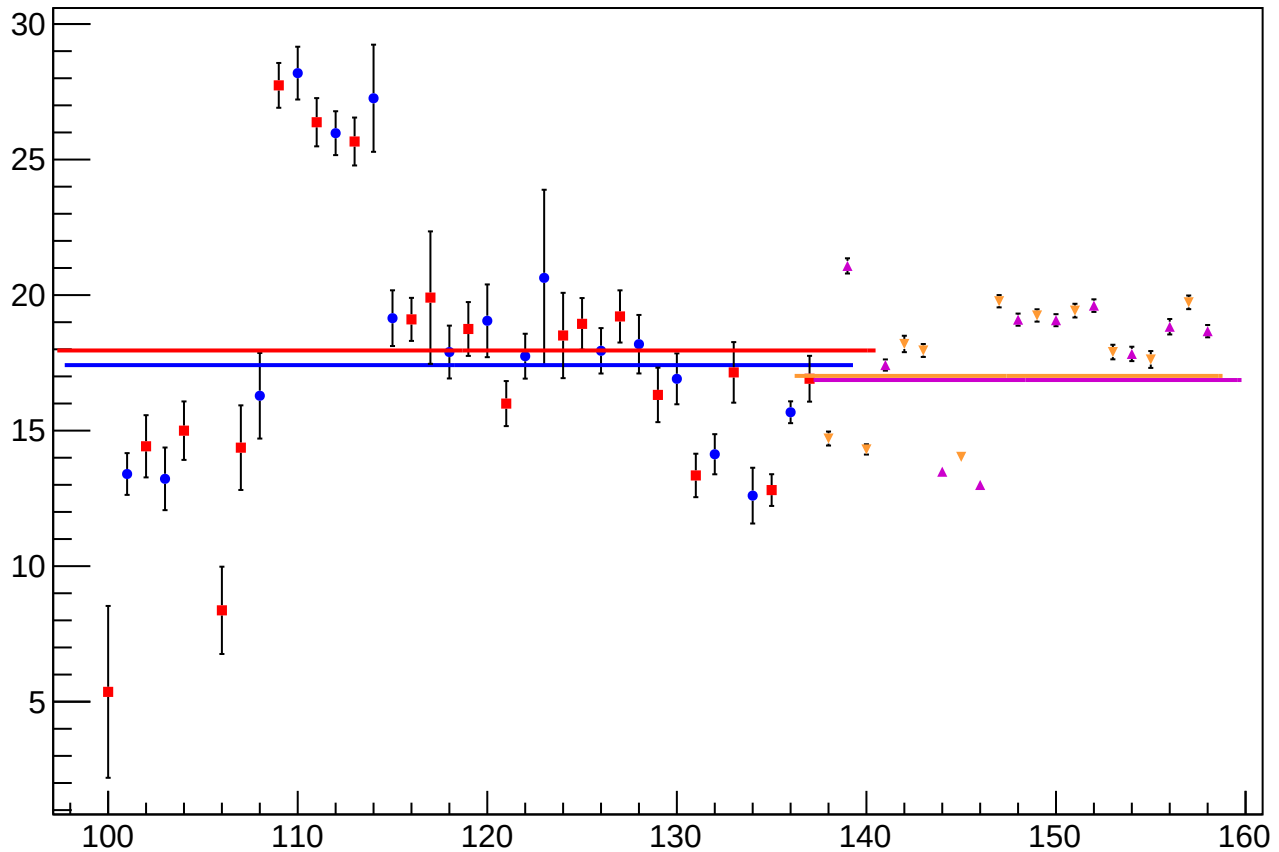
Right Out: 2.355+/-0.122 χ^2/NDF : 337.4/19

Left In: 1.752+/-0.046 χ^2/NDF : 137.4/9

1.563+/-0.044 χ^2/NDF : 729.0/27

1.827+/-0.043 χ^2/NDF : 496.1/29

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 17.417 ± 0.213 χ^2/NDF : 367.0/16

Left Out: 17.019 ± 0.070 χ^2/NDF : 1120.4/10

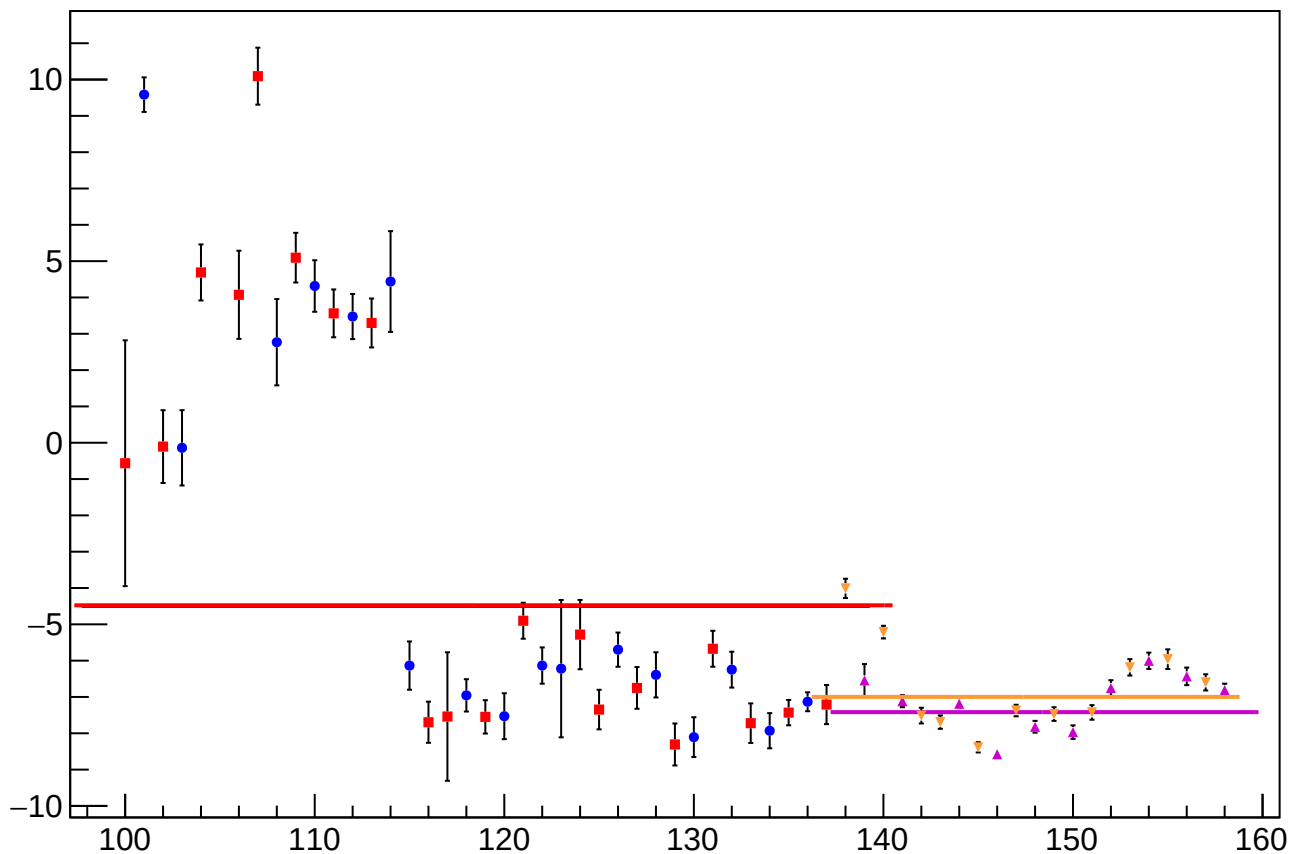
Right Out: 17.957 ± 0.218 χ^2/NDF : 506.2/19

Left In: 16.867 ± 0.068 χ^2/NDF : 1715.6/9

17.058 ± 0.067 χ^2/NDF : 1490.6/27

16.963 ± 0.065 χ^2/NDF : 2244.6/29

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: -6.998 ± 0.058 χ^2/NDF : 393.8/10

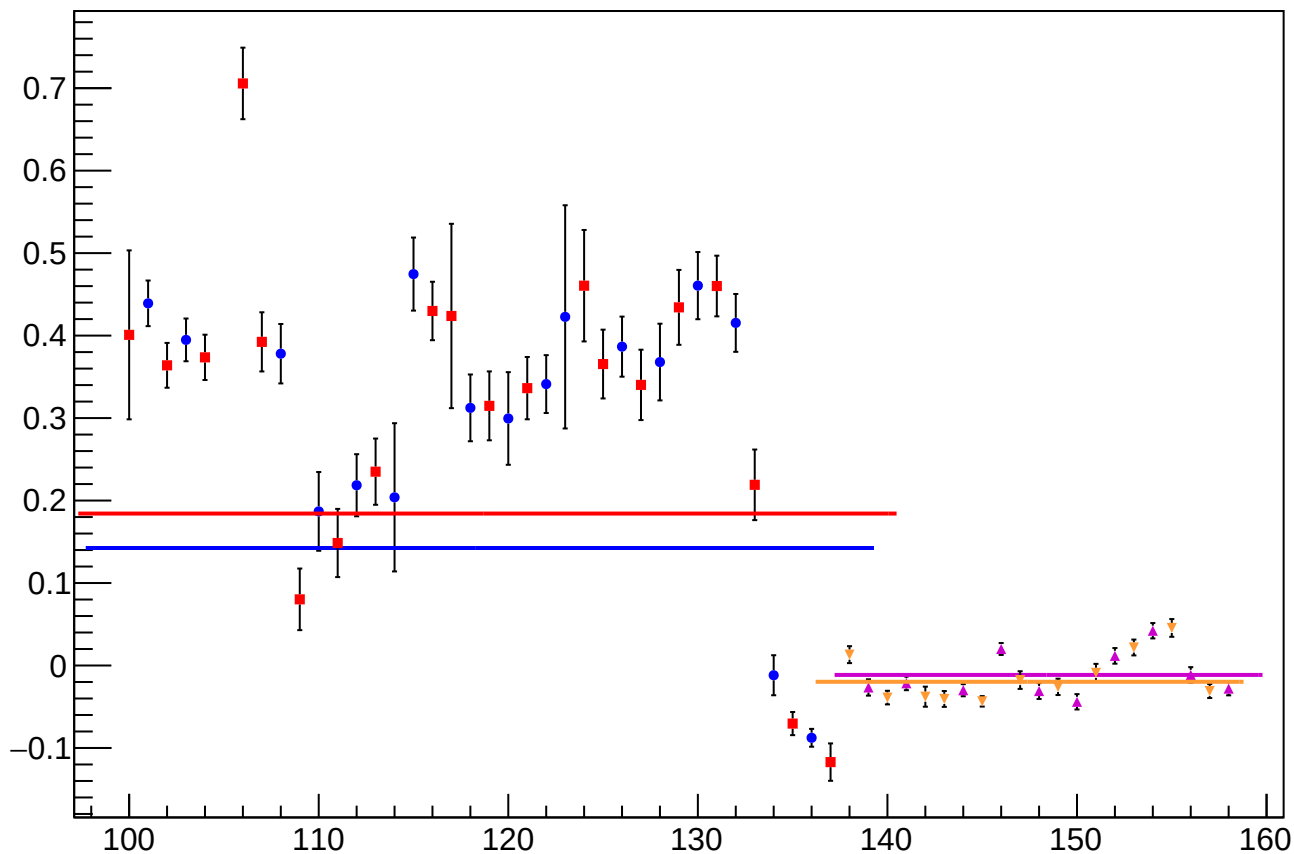
Right Out: -4.476 ± 0.137 χ^2/NDF : 1342.0/19

Left In: -7.418 ± 0.056 χ^2/NDF : 189.4/9

-6.580 ± 0.053 χ^2/NDF : 2286.8/27

-6.994 ± 0.052 χ^2/NDF : 1928.2/29

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.142 ± 0.007 χ^2/NDF : 1058.8/16

Left Out: -0.020 ± 0.003 χ^2/NDF : 95.2/10

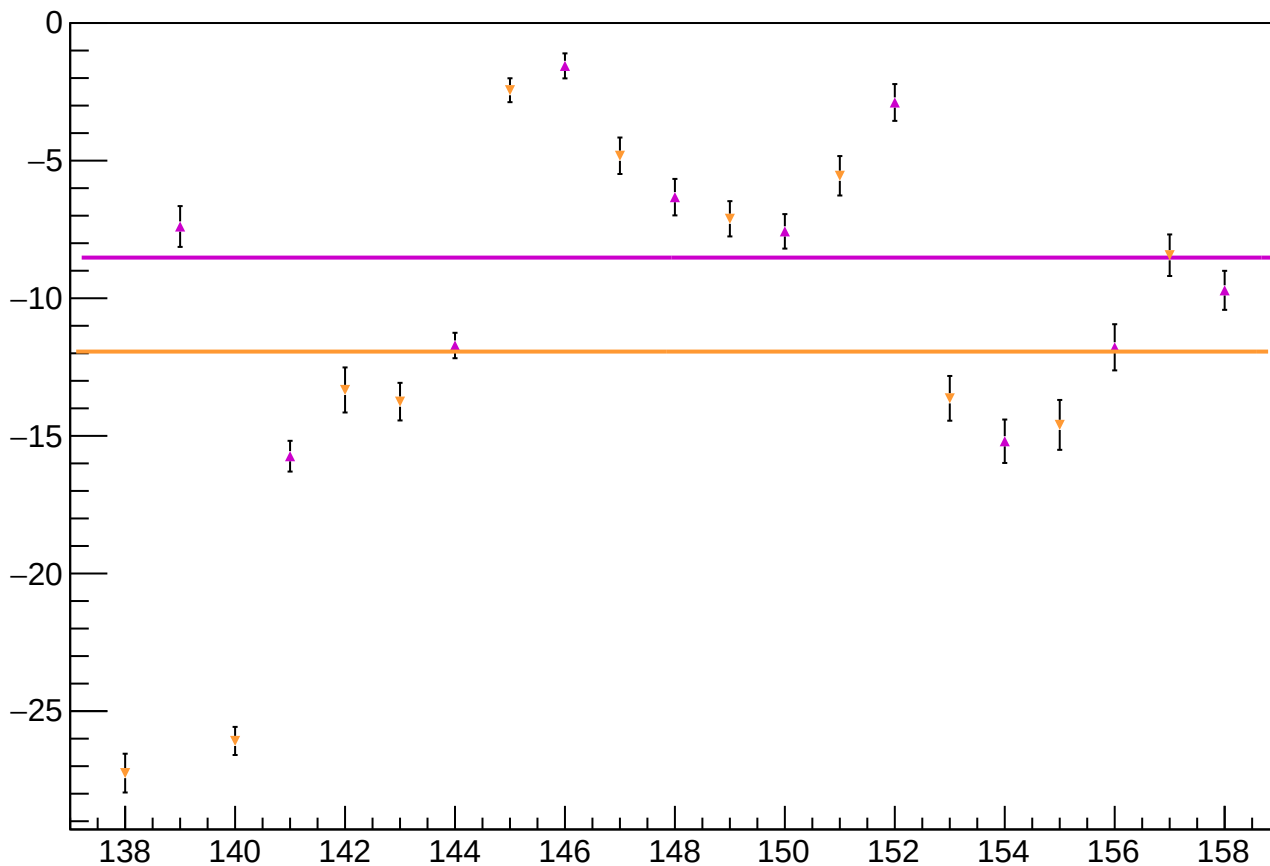
Right Out: 0.184 ± 0.007 χ^2/NDF : 1005.5/19

Left In: -0.011 ± 0.003 χ^2/NDF : 88.7/9

0.002 ± 0.003 χ^2/NDF : 1608.9/27

0.012 ± 0.003 χ^2/NDF : 1710.3/29

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



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

Left Out: -11.937+/-0.196 χ^2/NDF :2014.4/10

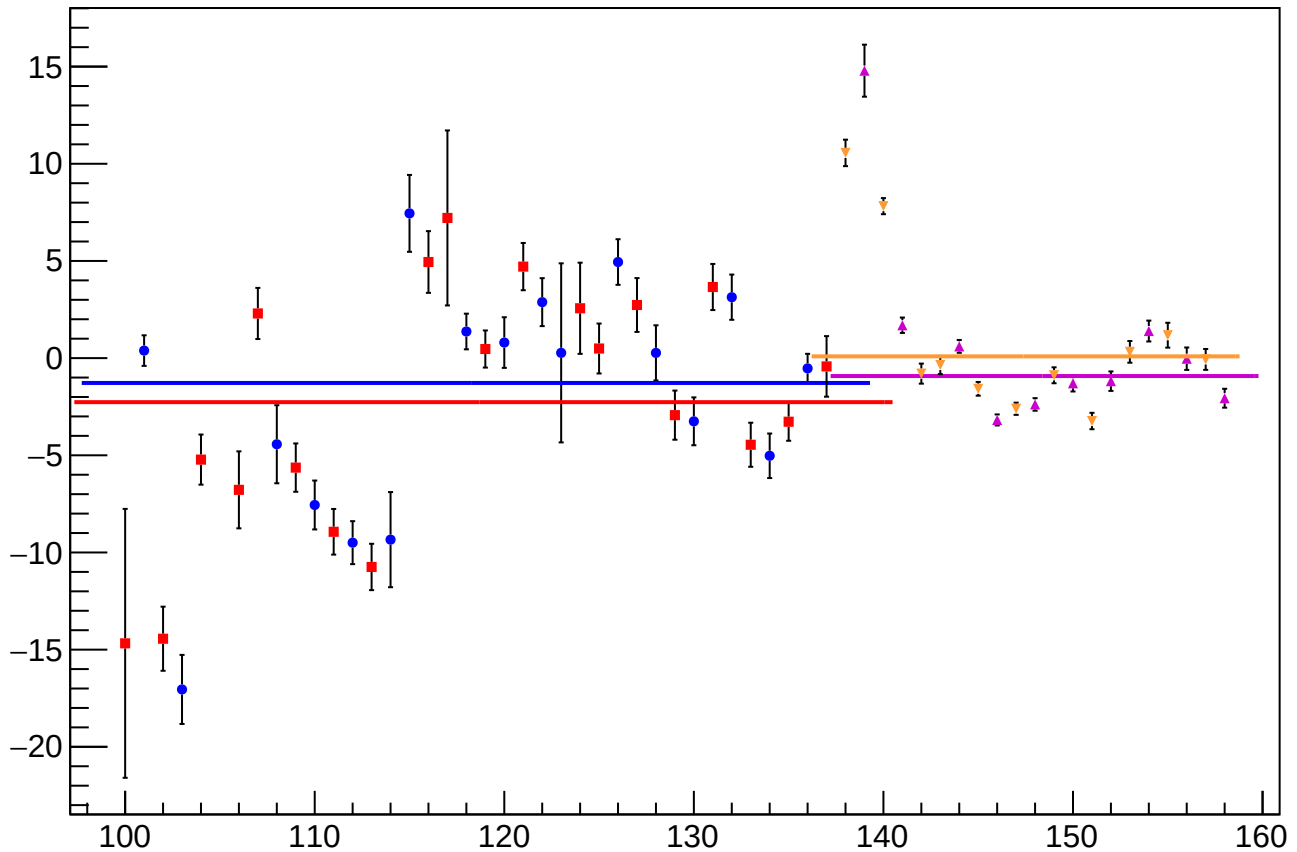
-11.937+/-0.196 χ^2/NDF : 2014.4/10

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

Left In: -8.523+/-0.194 χ^2/NDF :625.7/9

-8.523+/-0.194 χ^2/NDF : 625.7/9

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -1.278 ± 0.292 χ^2/NDF : 276.5/16

-0.149 ± 0.122 χ^2/NDF : 1049.8/27

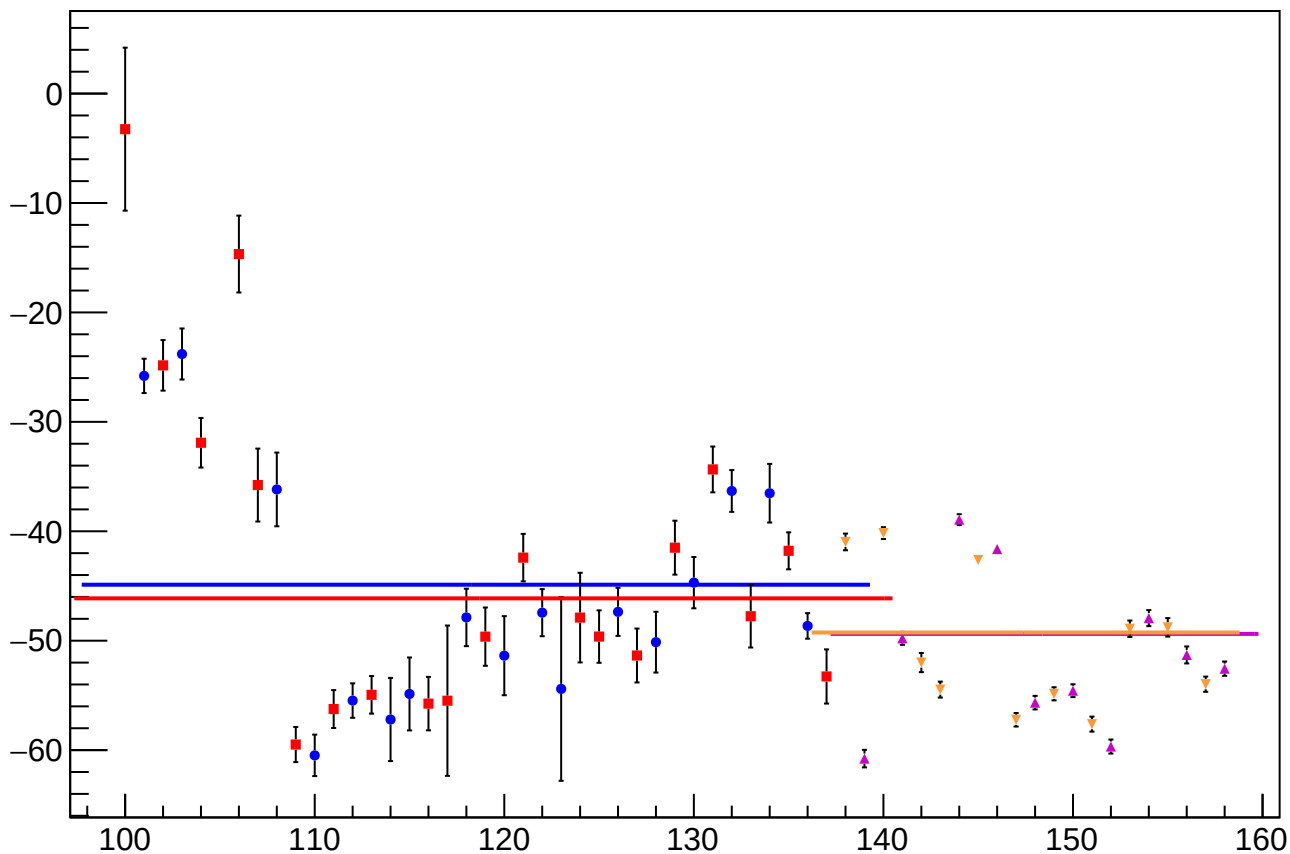
Left Out: 0.091 ± 0.135 χ^2/NDF : 755.2/10

Right Out: -2.266 ± 0.302 χ^2/NDF : 289.8/19

-1.134 ± 0.120 χ^2/NDF : 621.2/29

Left In: -0.922 ± 0.131 χ^2/NDF : 314.8/9

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: -49.250 ± 0.197 $\chi^2/\text{NDF}: 1114.4/10$

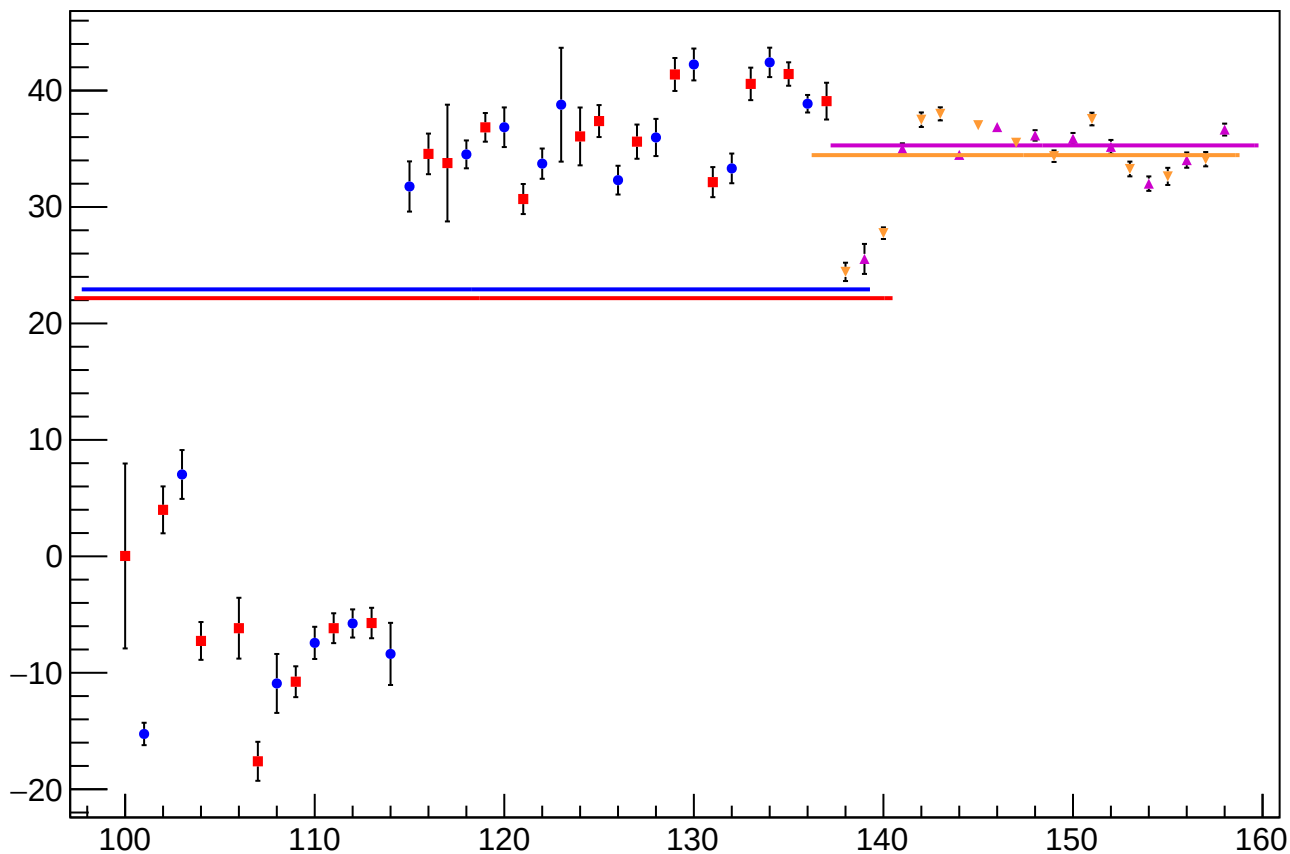
Right Out: -46.130 ± 0.527 $\chi^2/\text{NDF}: 456.1/19$

Left In: -49.379 ± 0.191 $\chi^2/\text{NDF}: 1436.2/9$

-48.709 ± 0.184 $\chi^2/\text{NDF}: 1596.1/27$

-49.003 ± 0.179 $\chi^2/\text{NDF}: 1926.0/29$

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.926 $\pm$ 0.328 χ^2 /NDF: 4330.2/16

Left Out: 34.454 $\pm$ 0.164 χ^2 /NDF:492.7/10

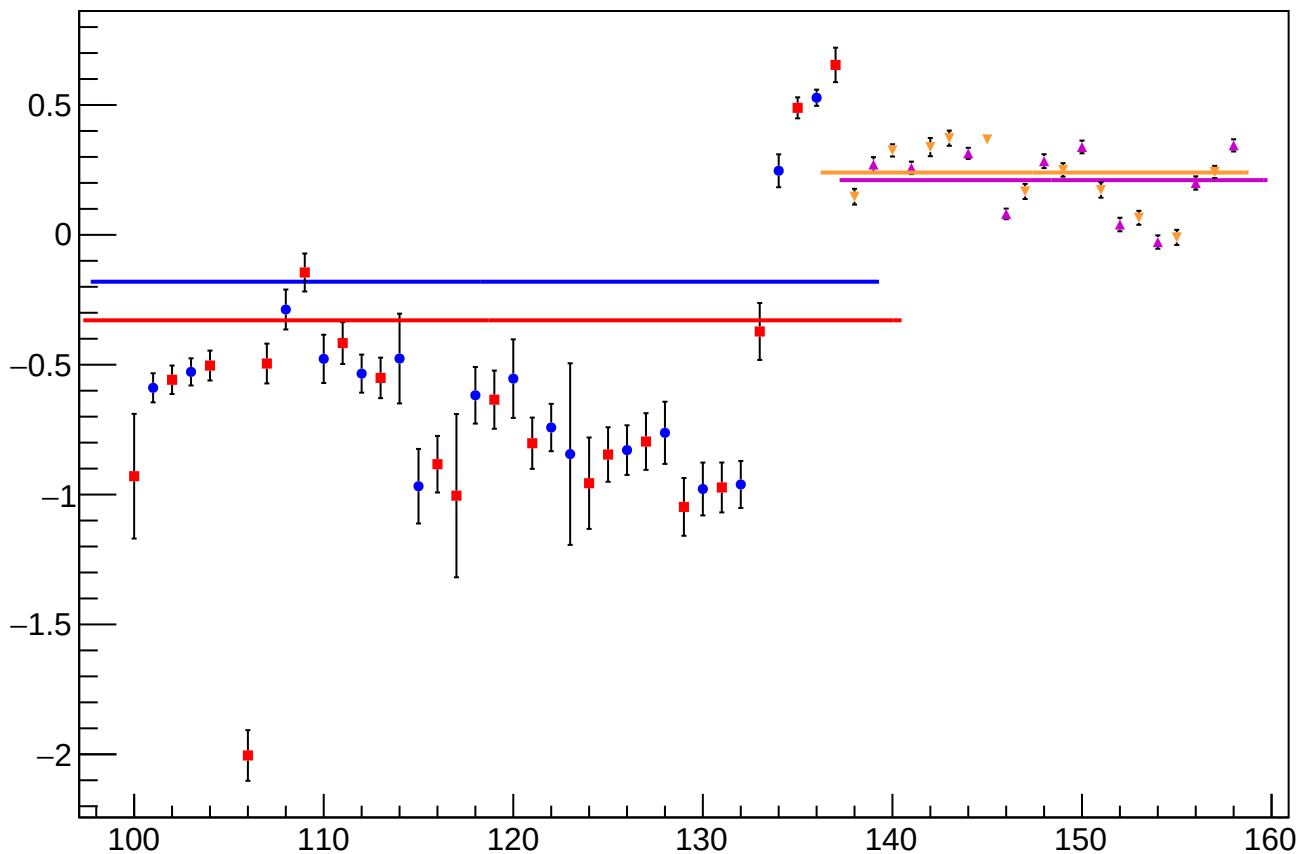
Right Out: 22.170 $\pm$ 0.339 χ^2 /NDF: 4038.8/19

Left In: 35.289 $\pm$ 0.158 χ^2 /NDF:125.2/9

32.144 $\pm$ 0.147 χ^2 /NDF: 5810.3/27

32.952 $\pm$ 0.143 χ^2 /NDF: 5393.5/29

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.180 ± 0.018 χ^2/NDF : 995.7/16

Left Out: 0.240 ± 0.008 χ^2/NDF : 226.6/10

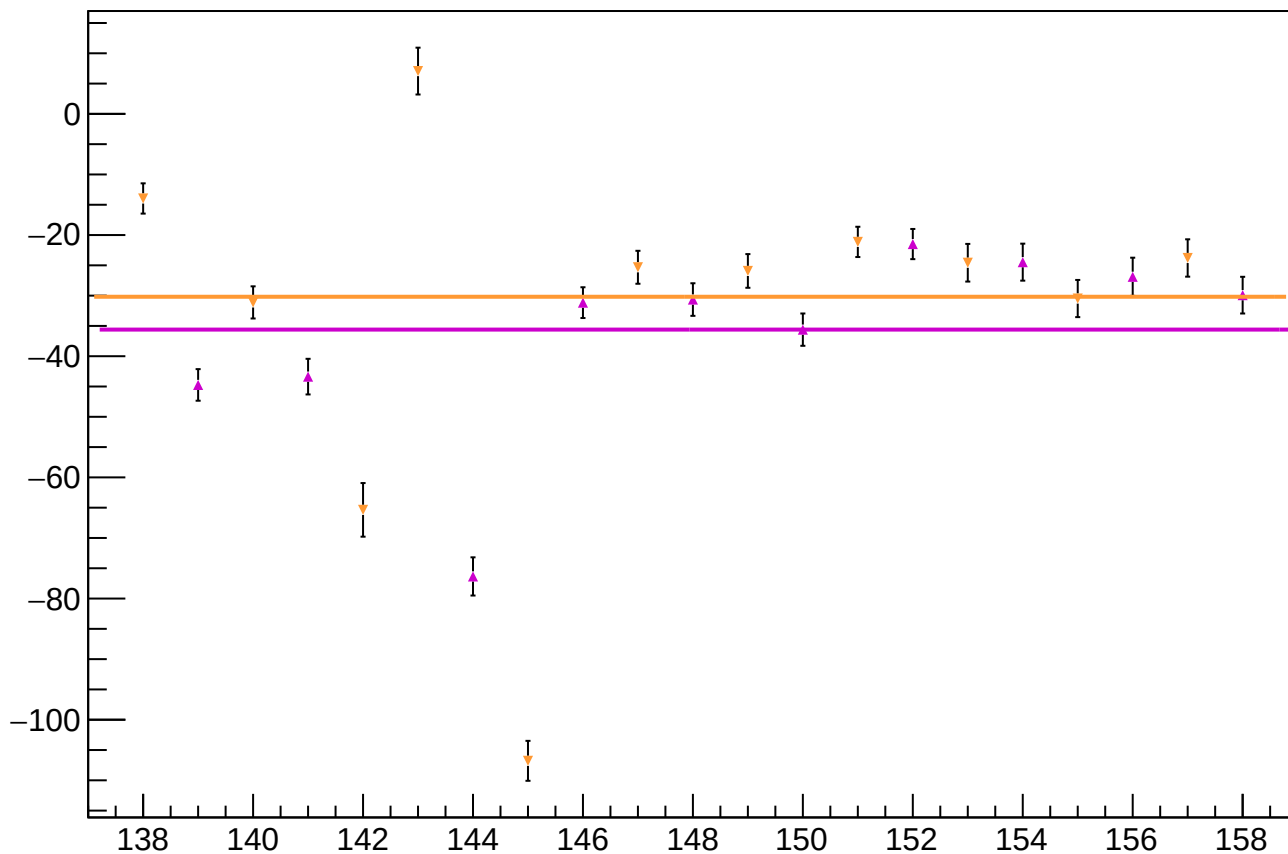
Right Out: -0.329 ± 0.018 χ^2/NDF : 1180.2/19

Left In: 0.211 ± 0.008 χ^2/NDF : 268.1/9

0.171 ± 0.007 χ^2/NDF : 1689.7/27

0.129 ± 0.007 χ^2/NDF : 2196.9/29

reg_asym_atl1_diff_bpm1X_slope vs Slug



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

Left Out: -30.186+/-0.894 χ^2/NDF : 764.6/10

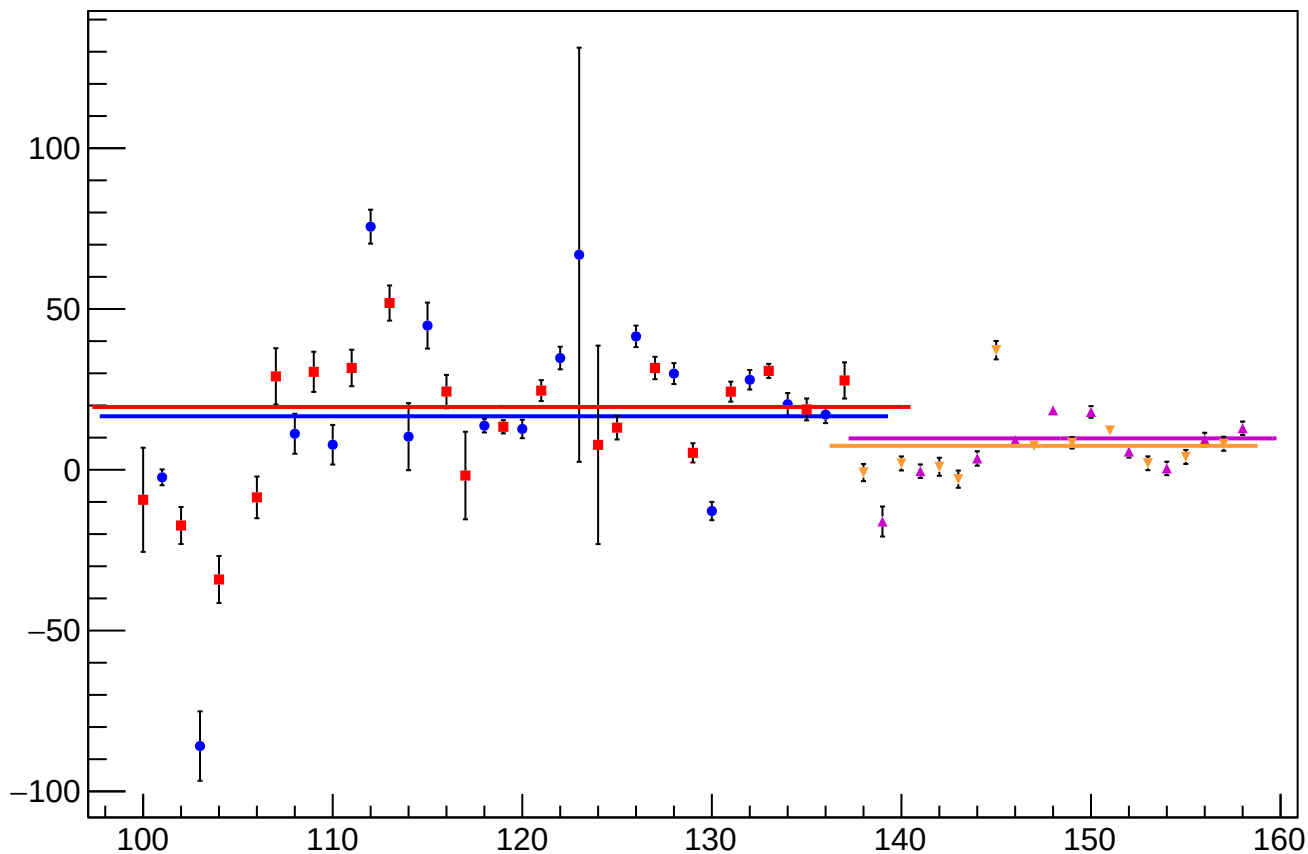
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -35.605+/-0.885 χ^2/NDF : 249.3/9

-30.186+/-0.894 χ^2/NDF : 764.6/10

-35.605+/-0.885 χ^2/NDF : 249.3/9

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 16.641 ± 0.859 $\chi^2/\text{NDF}: 518.9/16$

Left Out: 7.446 ± 0.599 $\chi^2/\text{NDF}: 165.1/10$

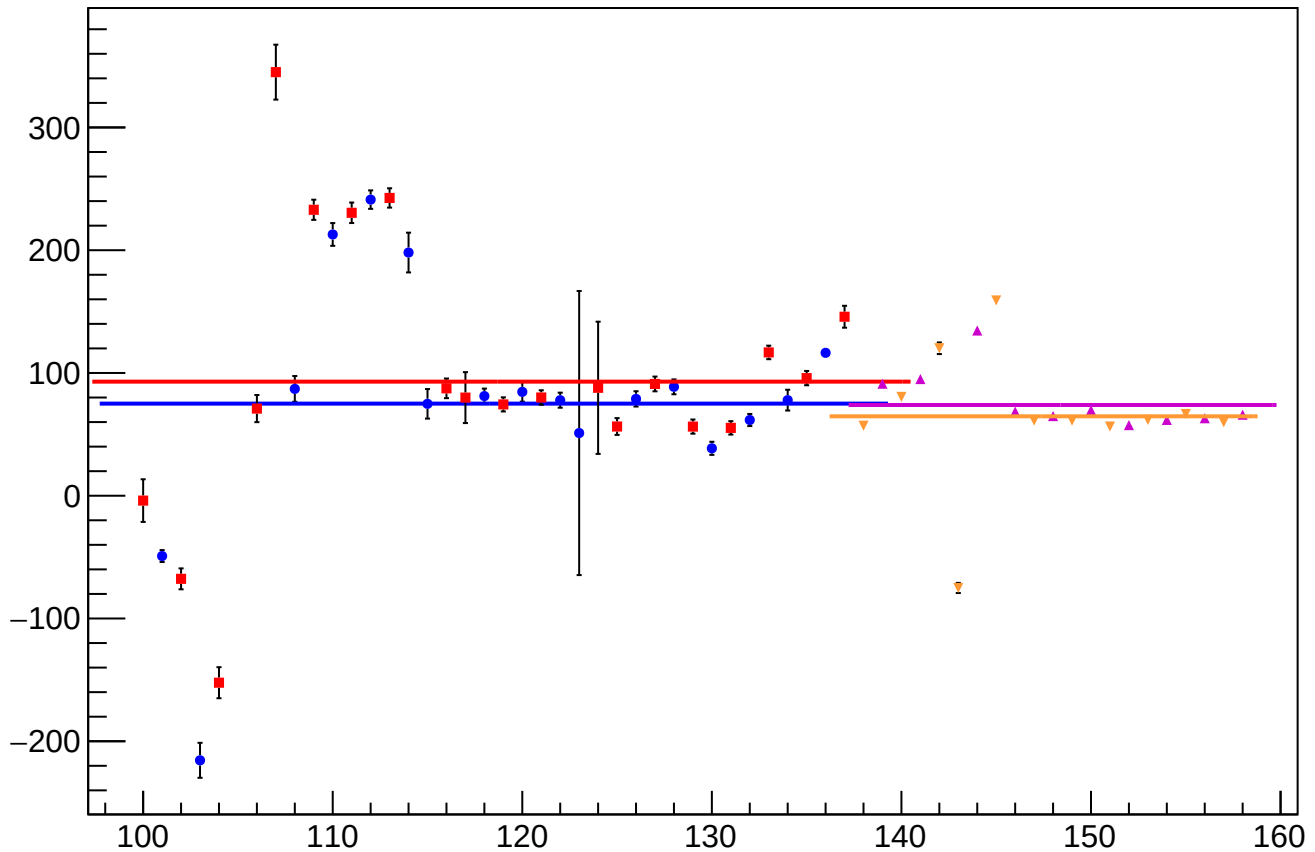
Right Out: 19.540 ± 0.894 $\chi^2/\text{NDF}: 244.1/19$

Left In: 9.761 ± 0.601 $\chi^2/\text{NDF}: 154.3/9$

10.457 ± 0.491 $\chi^2/\text{NDF}: 761.2/27$

12.804 ± 0.499 $\chi^2/\text{NDF}: 480.7/29$

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 75.032 $\pm$ 1.647 χ^2 /NDF: 1999.7/16

Left Out: 64.696 $\pm$ 0.879 χ^2 /NDF: 2105.2/10

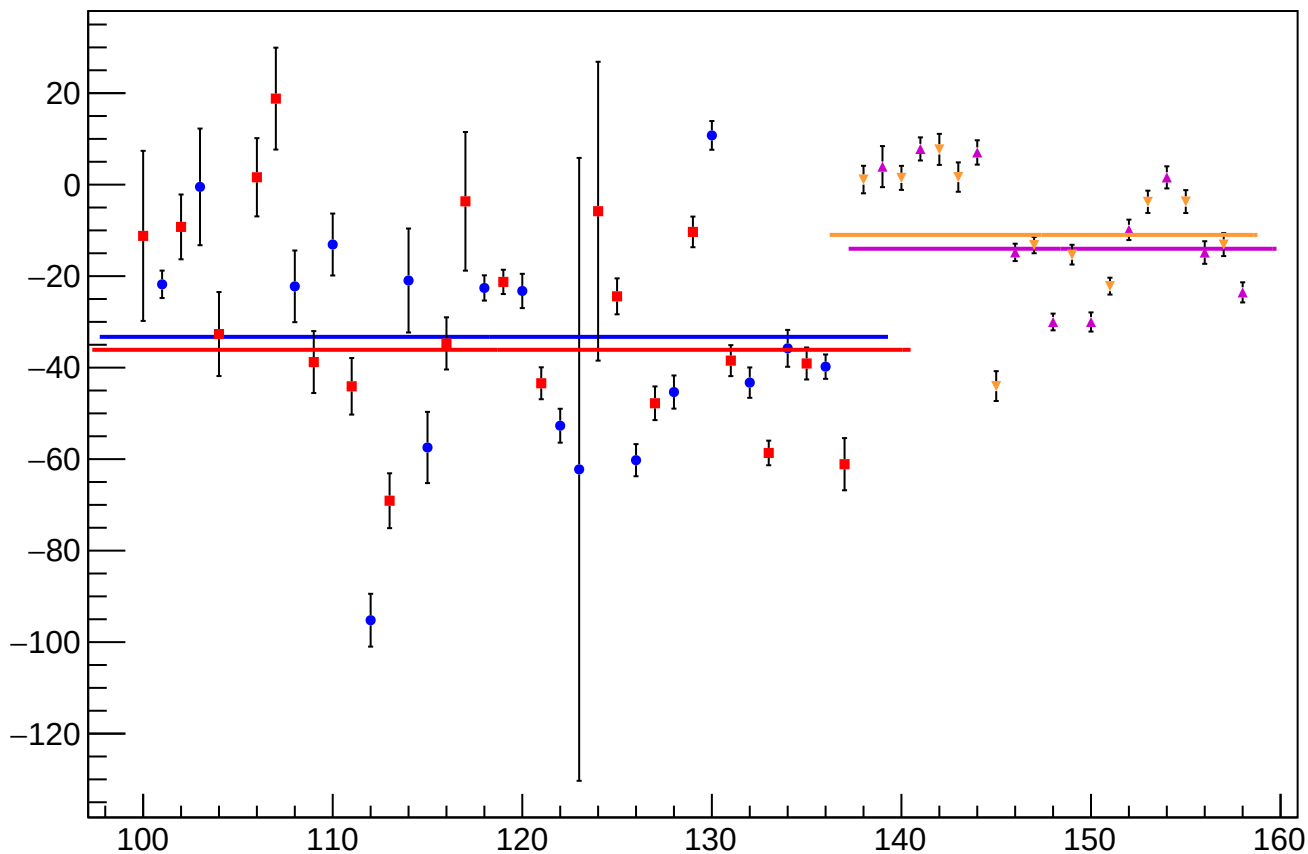
Right Out: 92.940 $\pm$ 1.706 χ^2 /NDF: 2004.0/19

Left In: 73.920 $\pm$ 0.861 χ^2 /NDF: 514.9/9

66.988 $\pm$ 0.775 χ^2 /NDF: 4135.6/27

77.785 $\pm$ 0.769 χ^2 /NDF: 2618.0/29

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -33.272 ± 0.982 $\chi^2/\text{NDF}: 489.4/16$

Left Out: -10.983 ± 0.736 $\chi^2/\text{NDF}: 247.8/10$

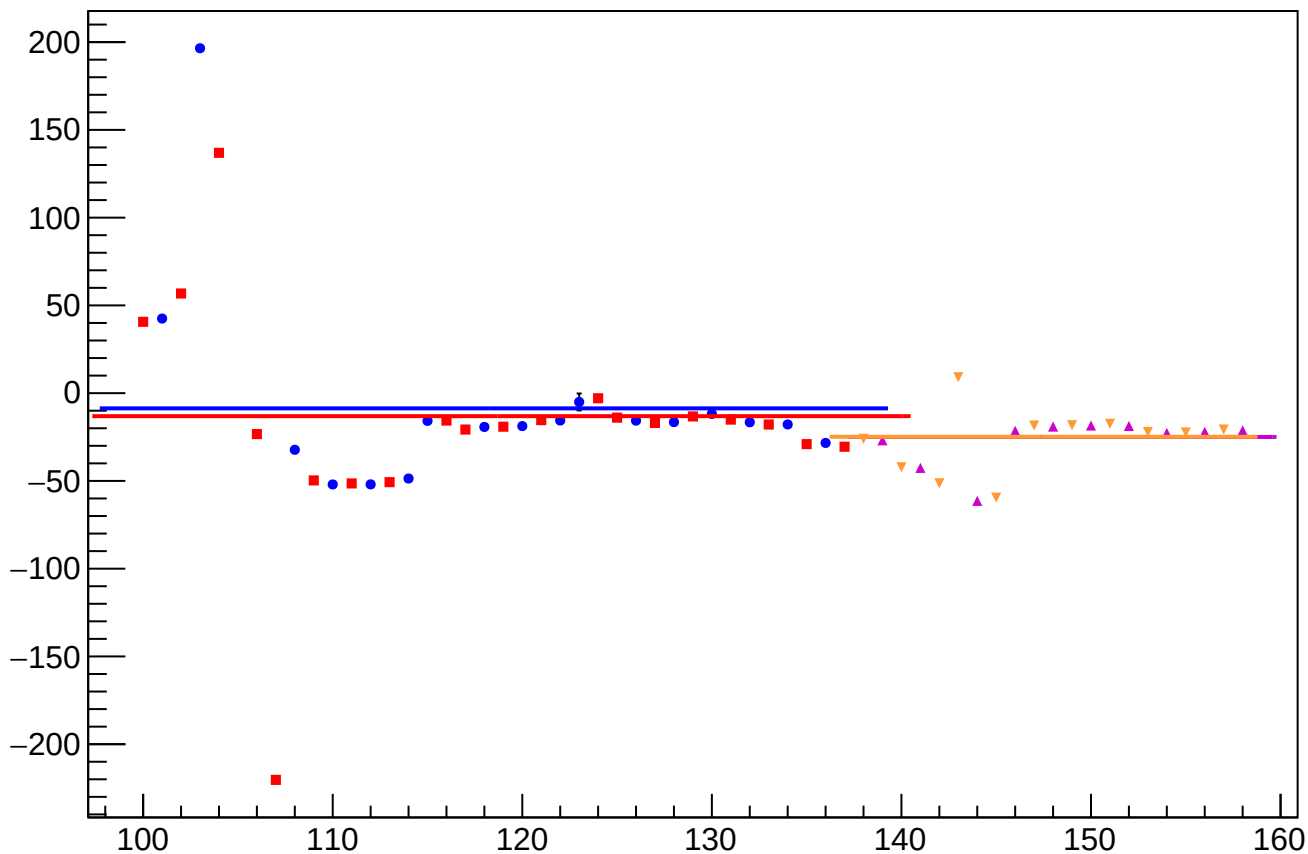
Right Out: -36.103 ± 1.022 $\chi^2/\text{NDF}: 302.3/19$

Left In: -14.014 ± 0.726 $\chi^2/\text{NDF}: 352.3/9$

-19.001 ± 0.589 $\chi^2/\text{NDF}: 1067.0/27$

-21.432 ± 0.592 $\chi^2/\text{NDF}: 965.0/29$

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -8.657 ± 0.059 χ^2/NDF : 575742.7/16

Left Out: -24.863 ± 0.035 χ^2/NDF : 162143.1/10

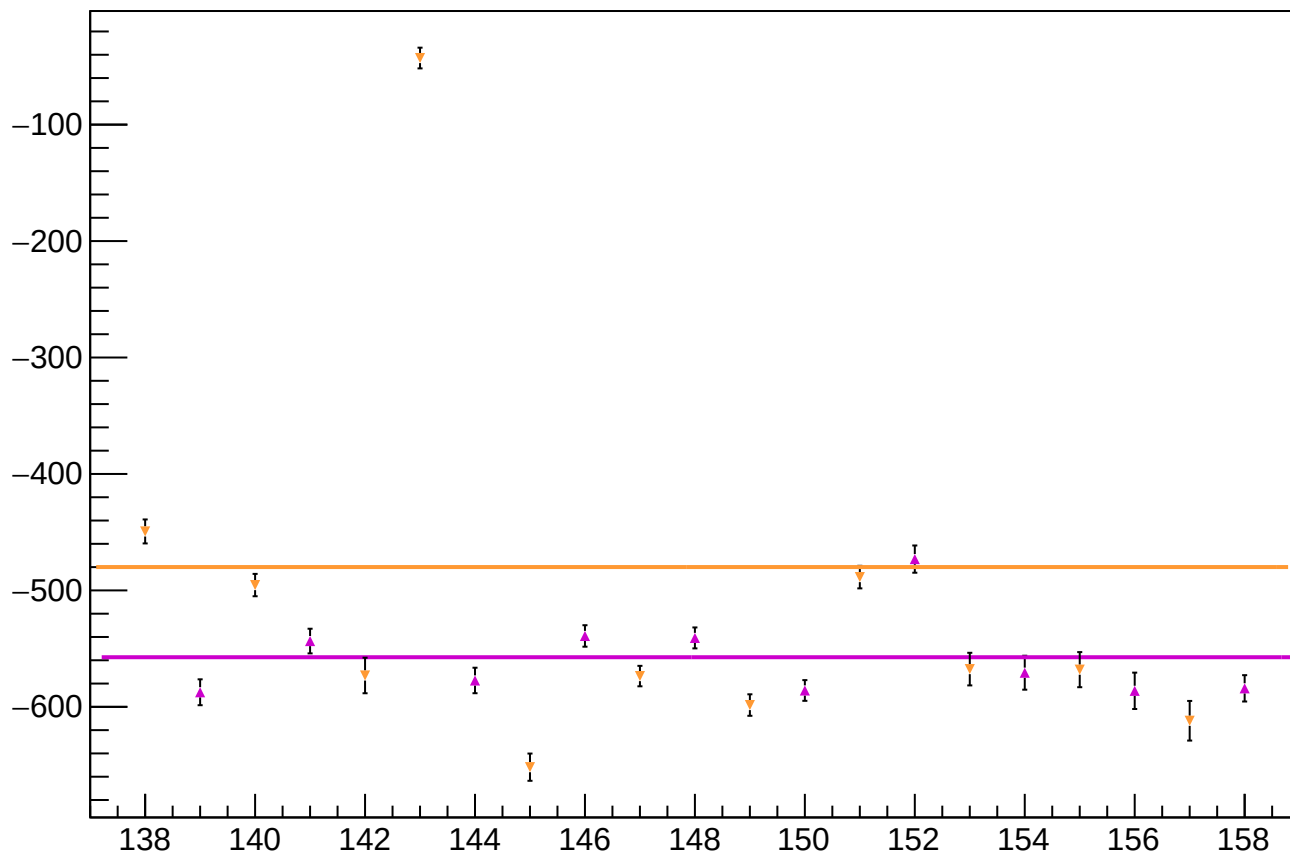
Right Out: -13.109 ± 0.062 χ^2/NDF : 558383.6/19

Left In: -24.968 ± 0.034 χ^2/NDF : 95514.4/9

-20.682 ± 0.030 χ^2/NDF : 793708.6/27

-22.247 ± 0.030 χ^2/NDF : 682366.2/29

reg_asym_atl2_diff_bpm1X_slope vs Slug



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

Left Out: -479.950 $\pm$ 3.282 χ^2 /NDF:3089.9/10

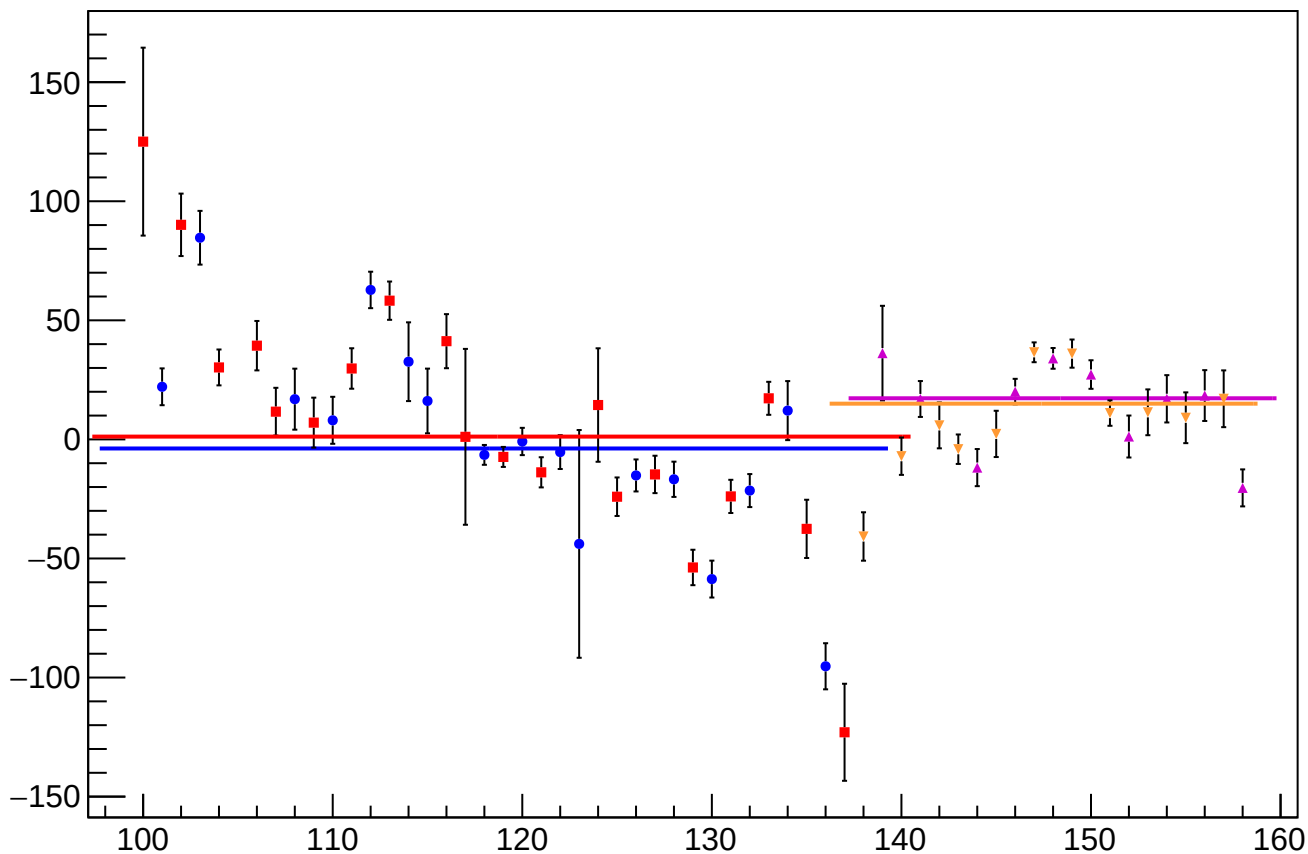
Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -557.388 $\pm$ 3.408 χ^2 /NDF:91.8/9

-479.950 $\pm$ 3.282 χ^2 /NDF: 3089.9/10

-557.388 $\pm$ 3.408 χ^2 /NDF: 91.8/9

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: -3.815 ± 1.923 χ^2/NDF : 314.3/16

Left Out: 15.003 ± 2.125 χ^2/NDF : 90.7/10

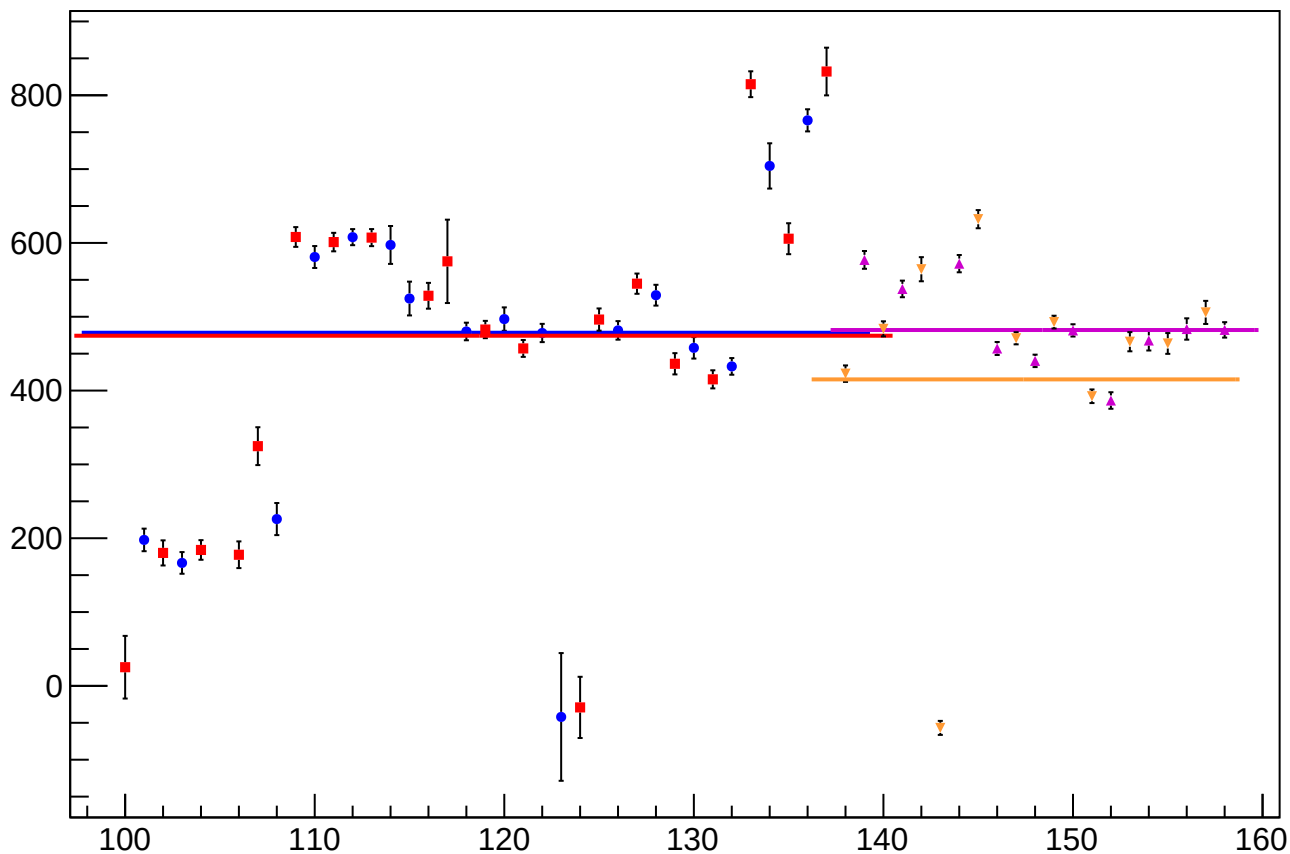
Right Out: 1.175 ± 1.911 χ^2/NDF : 303.9/19

Left In: 17.267 ± 2.234 χ^2/NDF : 59.5/9

4.659 ± 1.426 χ^2/NDF : 448.1/27

7.976 ± 1.452 χ^2/NDF : 393.3/29

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 478.334 $\pm$ 3.662 χ^2 /NDF: 1628.8/16

Left Out: 415.146 $\pm$ 3.259 χ^2 /NDF: 3103.3/10

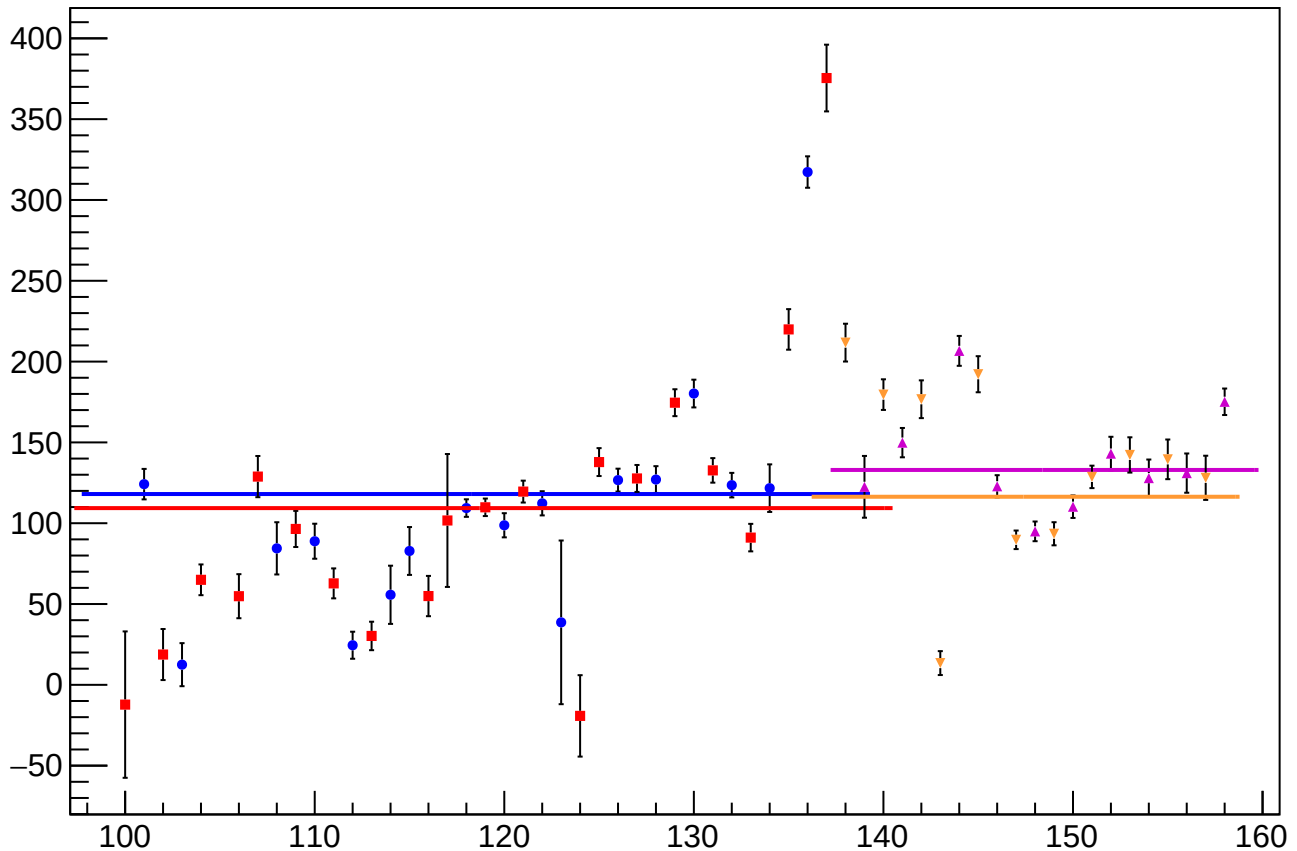
Right Out: 474.296 $\pm$ 3.524 χ^2 /NDF: 2288.2/19

Left In: 482.039 $\pm$ 3.317 χ^2 /NDF: 252.0/9

443.077 $\pm$ 2.435 χ^2 /NDF: 4898.3/27

478.401 $\pm$ 2.415 χ^2 /NDF: 2542.7/29

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 118.055 $\pm$ 2.225 χ^2 /NDF: 705.3/16

Left Out: 116.376 $\pm$ 2.643 χ^2 /NDF:422.2/10

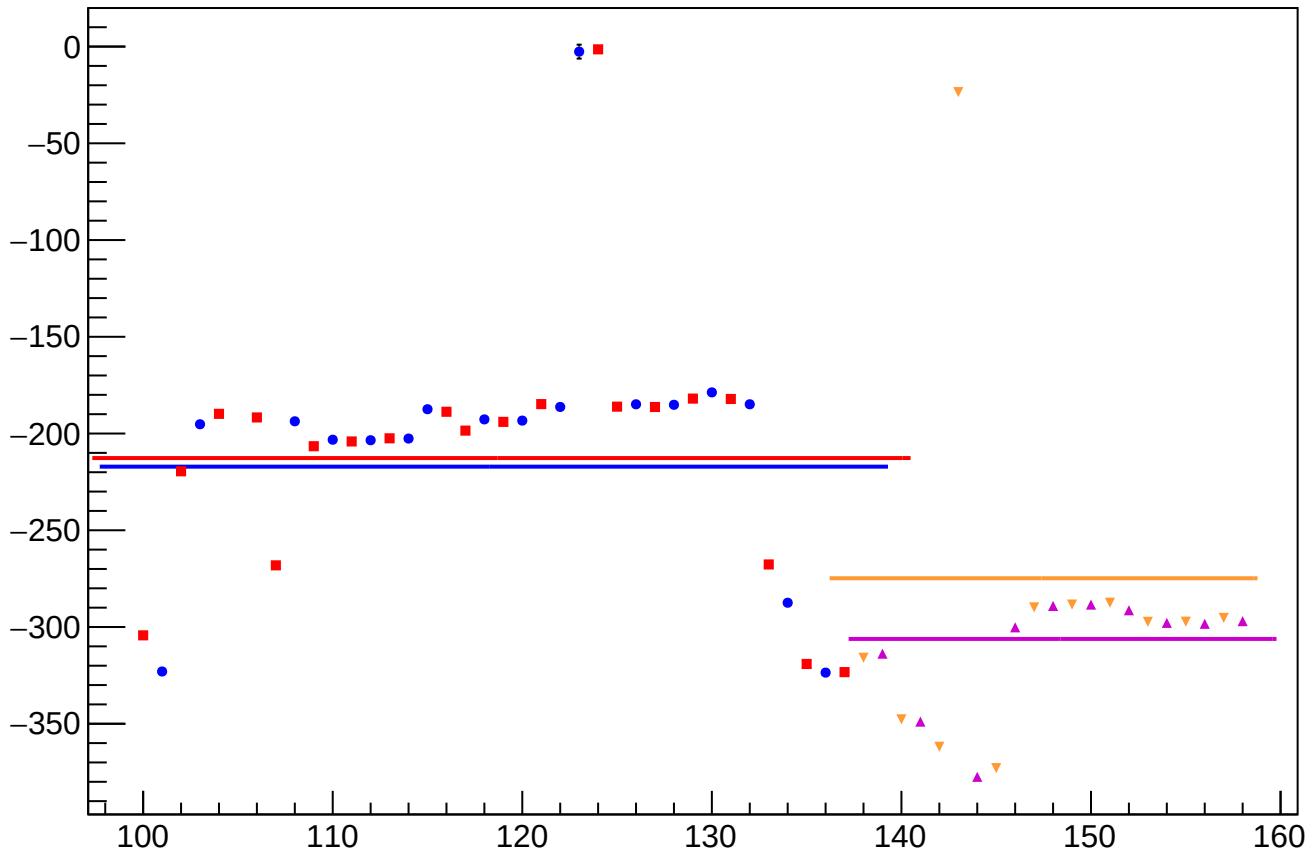
Right Out: 109.345 $\pm$ 2.202 χ^2 /NDF: 569.8/19

Left In: 132.955 $\pm$ 2.733 χ^2 /NDF:146.6/9

117.359 $\pm$ 1.702 χ^2 /NDF: 1127.7/27

118.637 $\pm$ 1.715 χ^2 /NDF: 761.7/29

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -217.120+/-0.137 χ^2/NDF : 146559.7/16

Left Out: -274.806+/-0.134 χ^2/NDF : 540288.0/10

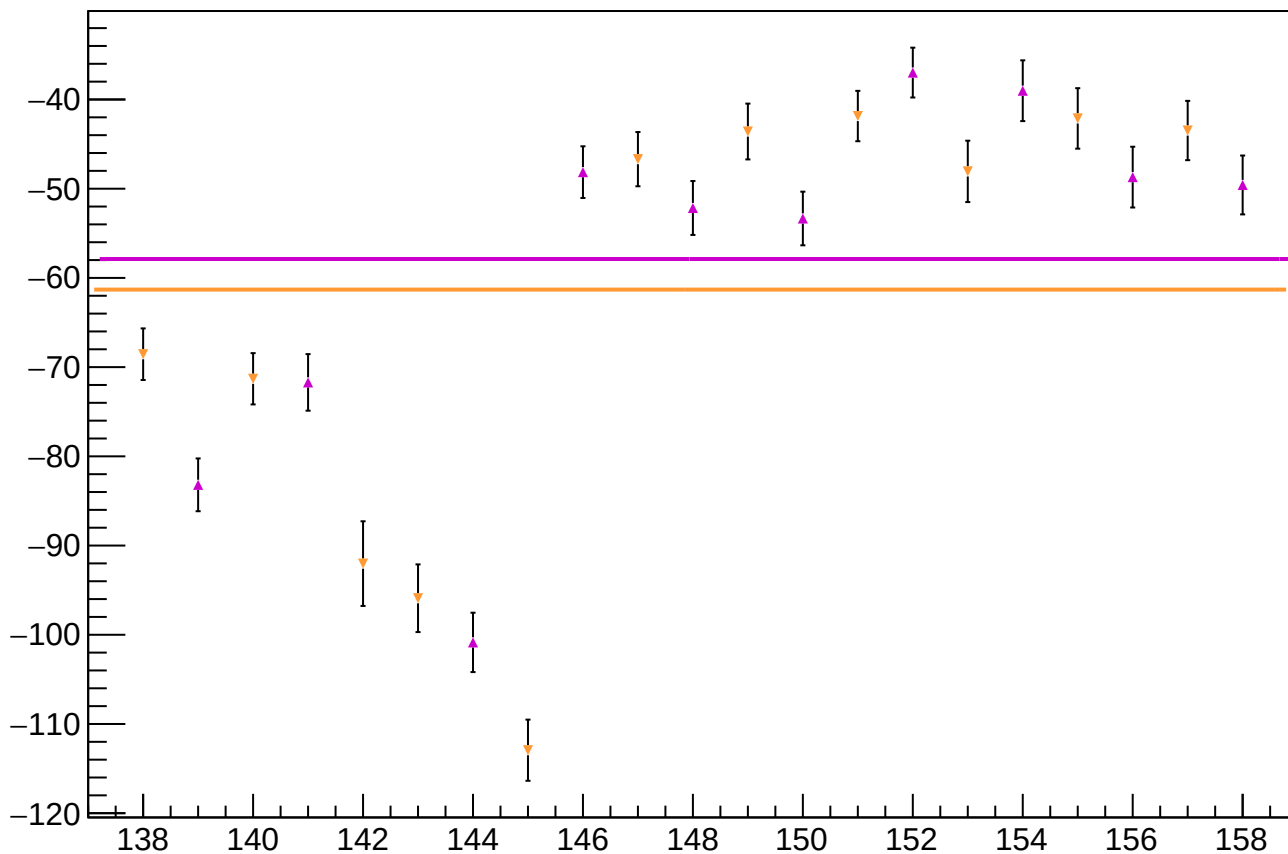
Right Out: -212.679+/-0.130 χ^2/NDF : 115596.4/19

Left In: -306.162+/-0.133 χ^2/NDF : 35711.5/9

-246.586+/-0.096 χ^2/NDF : 777974.1/27

-258.480+/-0.093 χ^2/NDF : 404610.5/29

reg_asym_atr1_diff_bpm1X_slope vs Slug



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

Left Out: -61.308+/-0.982 χ^2/NDF : 548.7/10

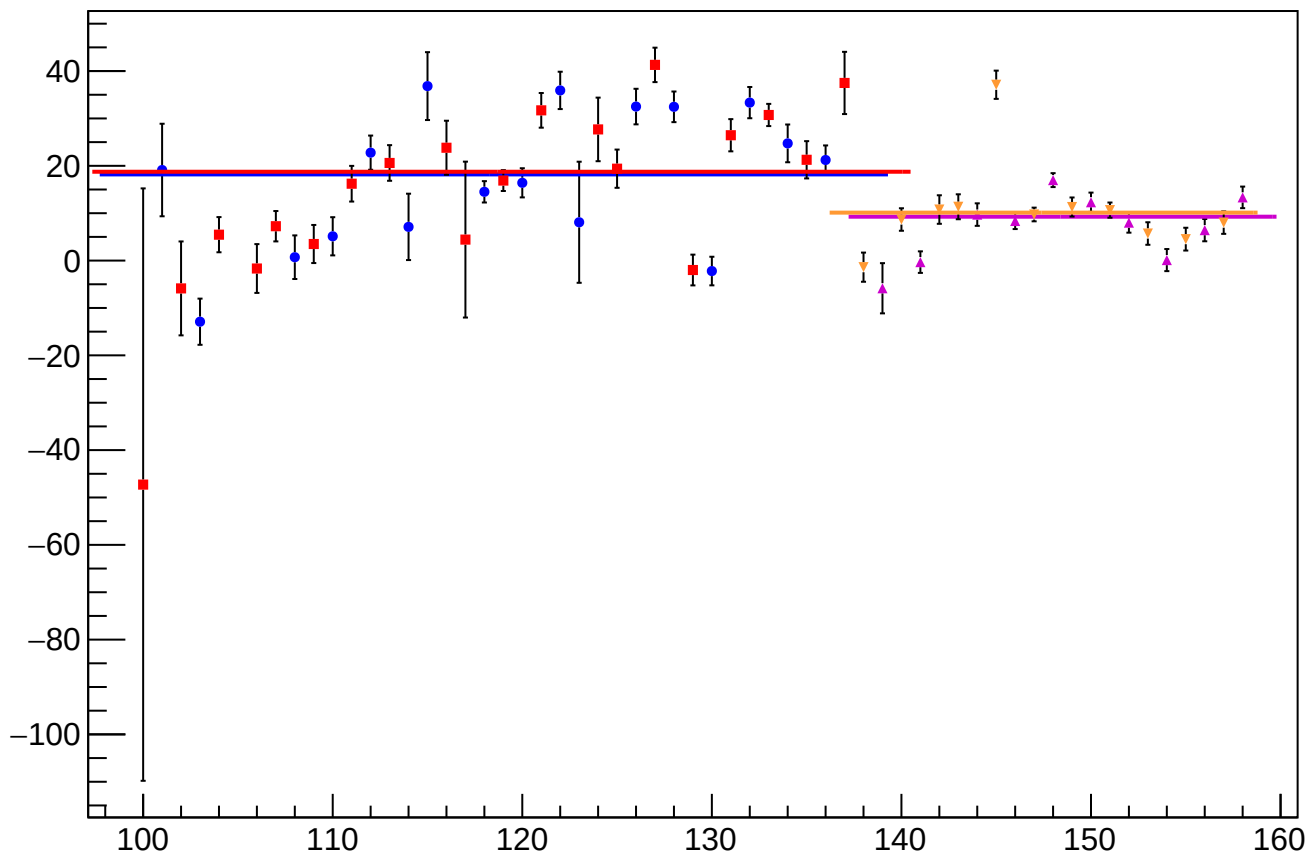
-61.308+/-0.982 χ^2/NDF : 548.7/10

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

-57.882+/-0.983 χ^2/NDF : 376.5/9

Left In: -57.882+/-0.983 χ^2/NDF : 376.5/9

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 18.188+/-0.917 χ^2/NDF : 204.9/16

Left Out: 10.122+/-0.660 χ^2/NDF : 106.7/10

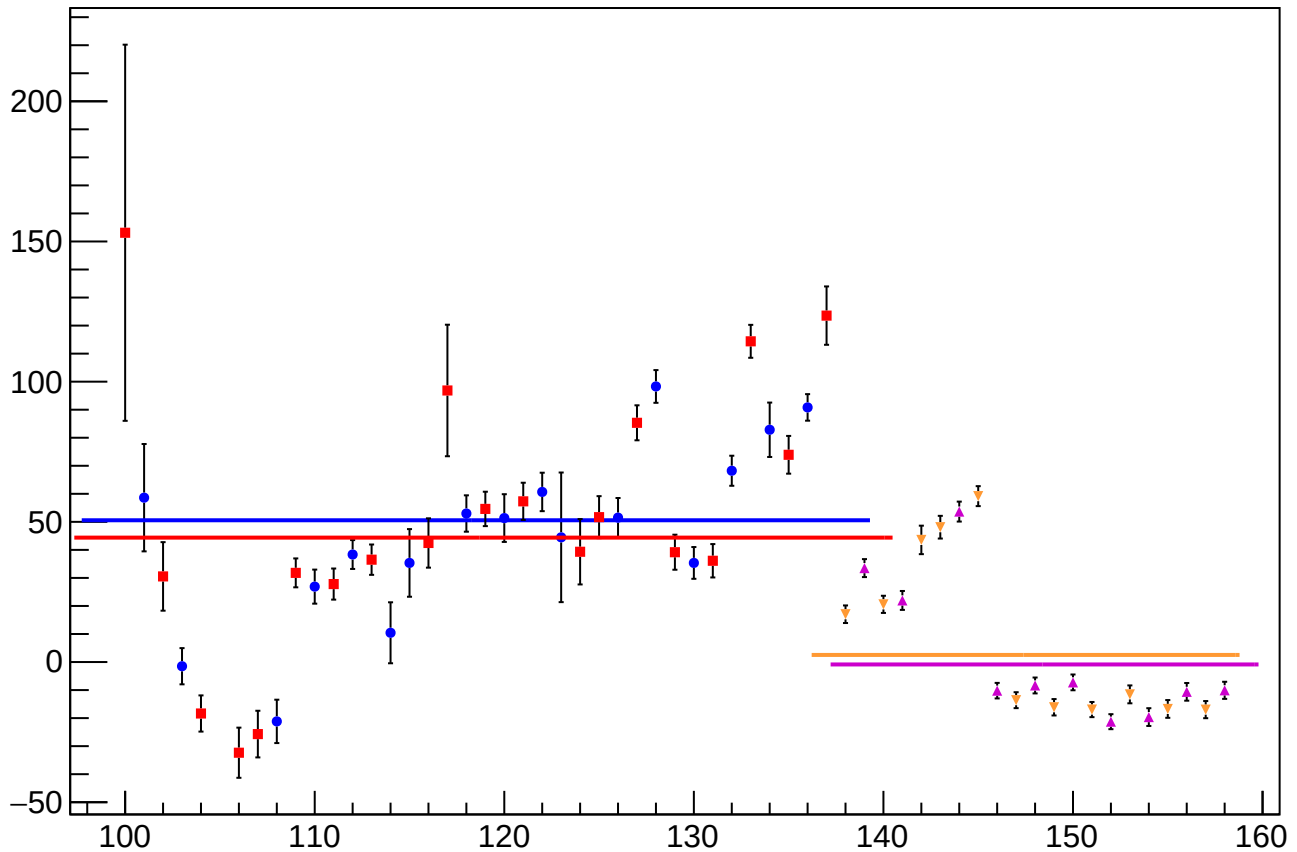
Right Out: 18.752+/-0.862 χ^2/NDF : 199.5/19

Left In: 9.262+/-0.669 χ^2/NDF : 76.5/9

12.875+/-0.536 χ^2/NDF : 362.6/27

12.832+/-0.528 χ^2/NDF : 351.7/29

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 50.565+/-1.678 χ^2/NDF : 357.9/16

Left Out: 2.533+/-0.967 χ^2/NDF : 723.2/10

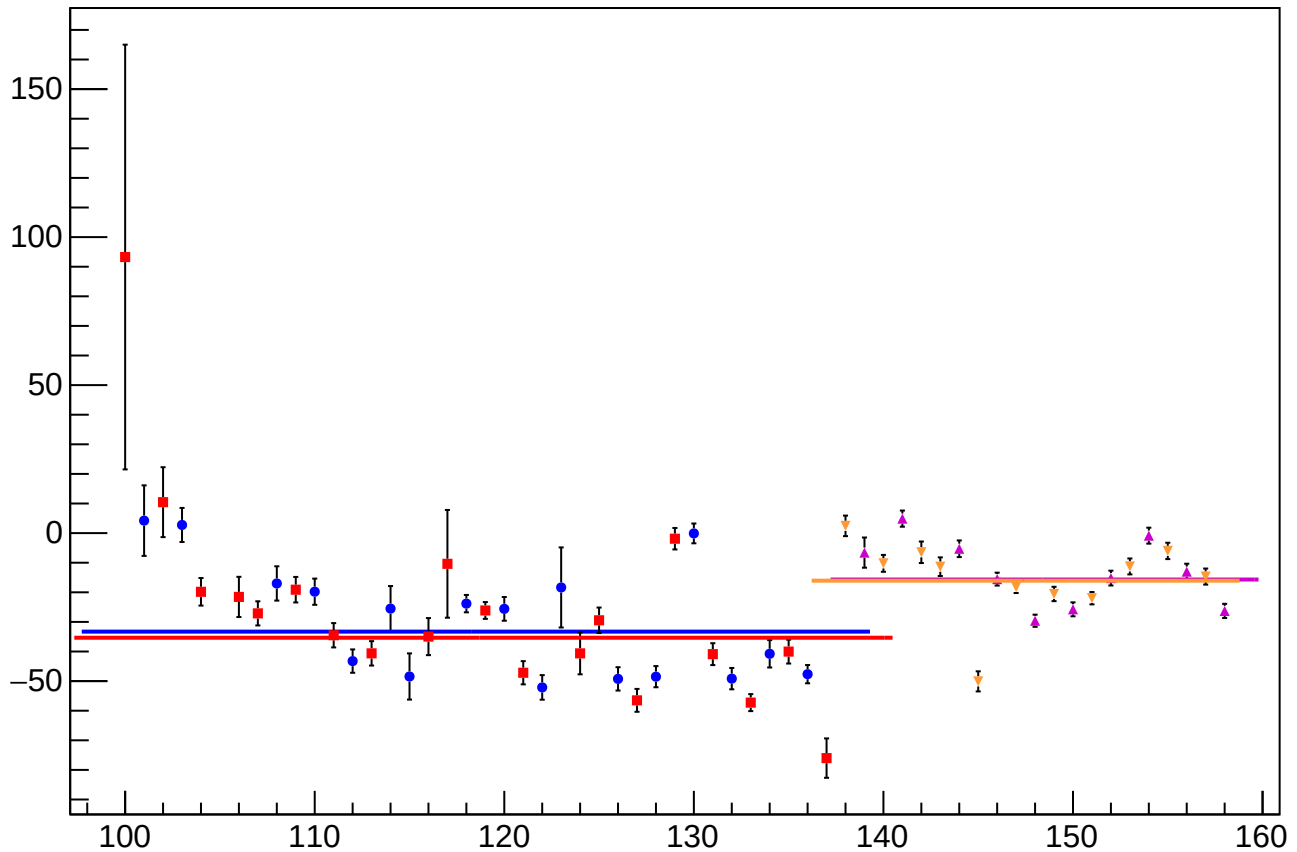
Right Out: 44.377+/-1.599 χ^2/NDF : 537.6/19

Left In: -0.862+/-0.956 χ^2/NDF : 531.2/9

14.510+/-0.838 χ^2/NDF : 1696.5/27

11.062+/-0.821 χ^2/NDF : 1658.4/29

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -33.281+/-1.043 χ^2/NDF : 290.1/16

Left Out: -16.066+/-0.810 χ^2/NDF :171.5/10

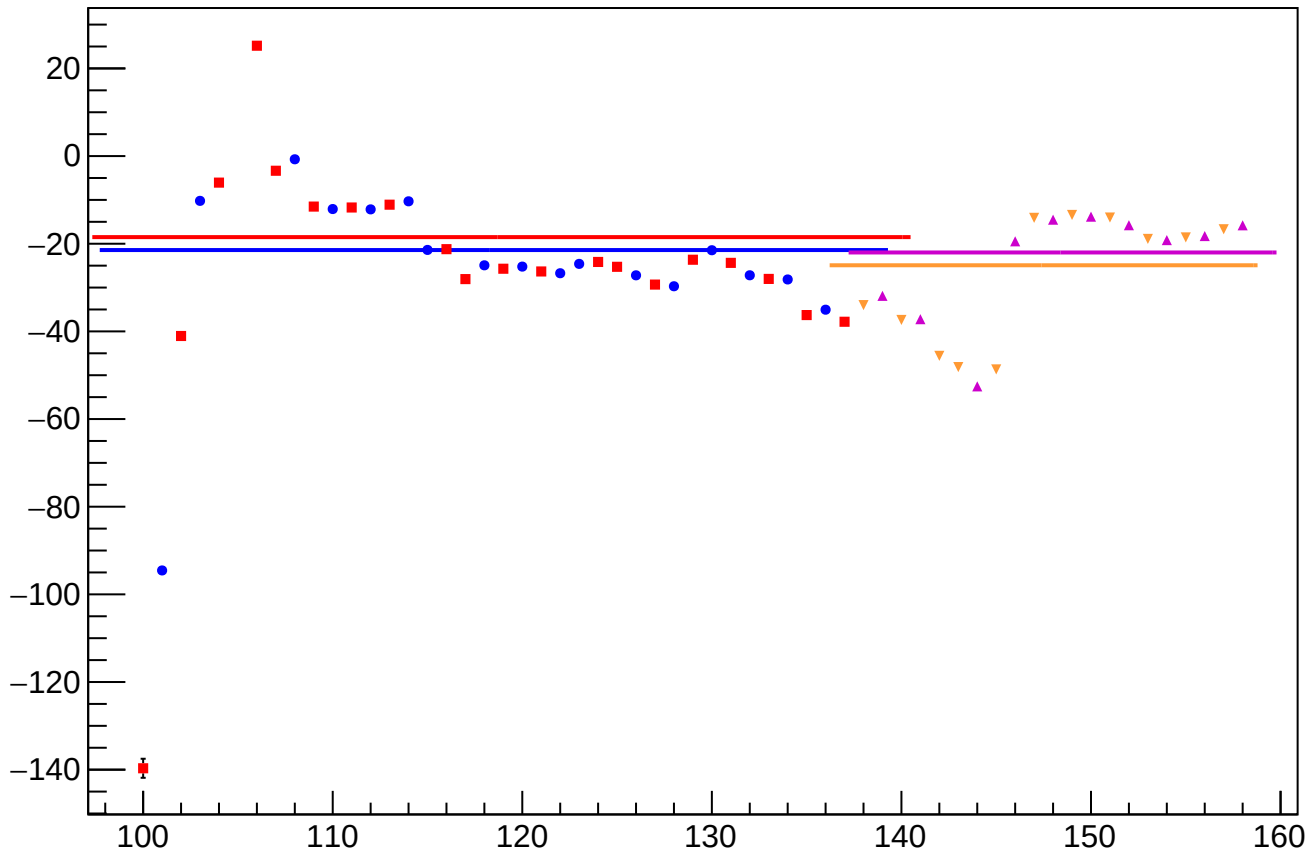
Right Out: -35.343+/-0.990 χ^2/NDF : 291.6/19

Left In: -15.682+/-0.806 χ^2/NDF :188.8/9

-22.535+/-0.640 χ^2/NDF : 631.5/27

-23.525+/-0.625 χ^2/NDF : 717.6/29

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -21.442 ± 0.059 χ^2/NDF : 48968.5/16

Left Out: -24.914 ± 0.038 χ^2/NDF : 109754.6/10

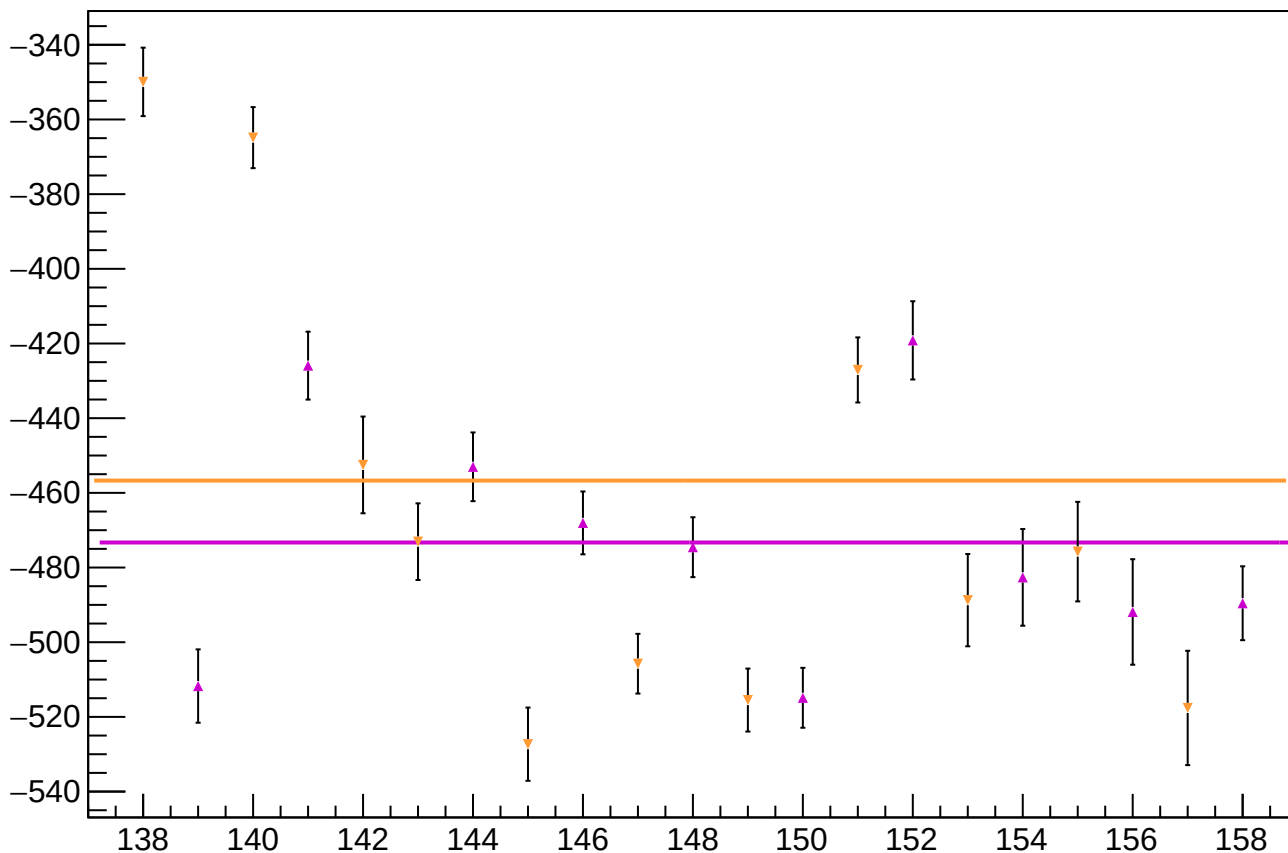
Right Out: -18.490 ± 0.057 χ^2/NDF : 80549.5/19

Left In: -21.994 ± 0.037 χ^2/NDF : 76229.4/9

-23.884 ± 0.032 χ^2/NDF : 161165.8/27

-20.949 ± 0.031 χ^2/NDF : 159401.7/29

reg_asym_atr2_diff_bpm1X_slope vs Slug



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

Left Out: -456.706+/-2.988 χ^2/NDF : 438.8/10

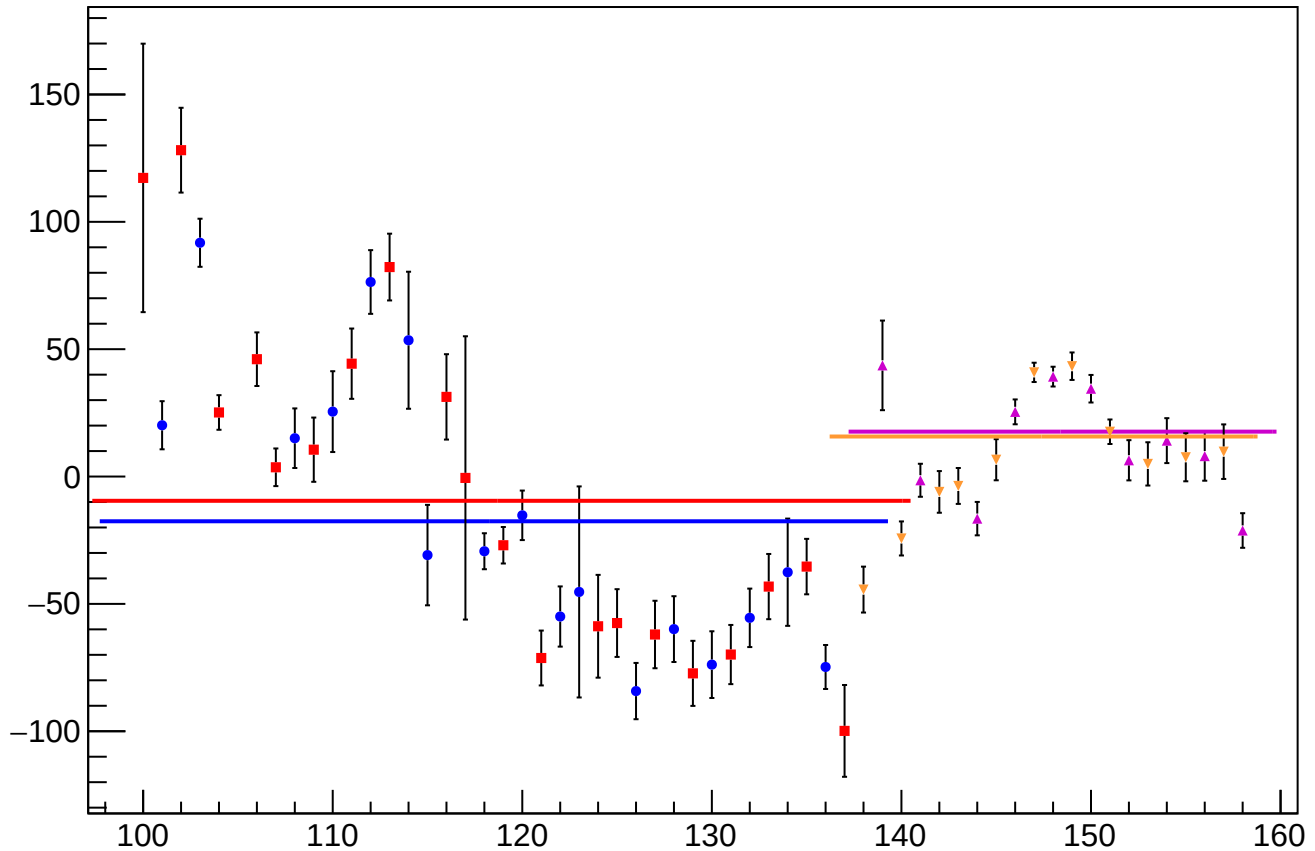
-456.706+/-2.988 χ^2/NDF : 438.8/10

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

-473.292+/-3.018 χ^2/NDF : 106.3/9

Left In: -473.292+/-3.018 χ^2/NDF : 106.3/9

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: -17.564 ± 2.820 χ^2/NDF : 363.7/16

Left Out: 15.716 ± 1.938 χ^2/NDF : 169.4/10

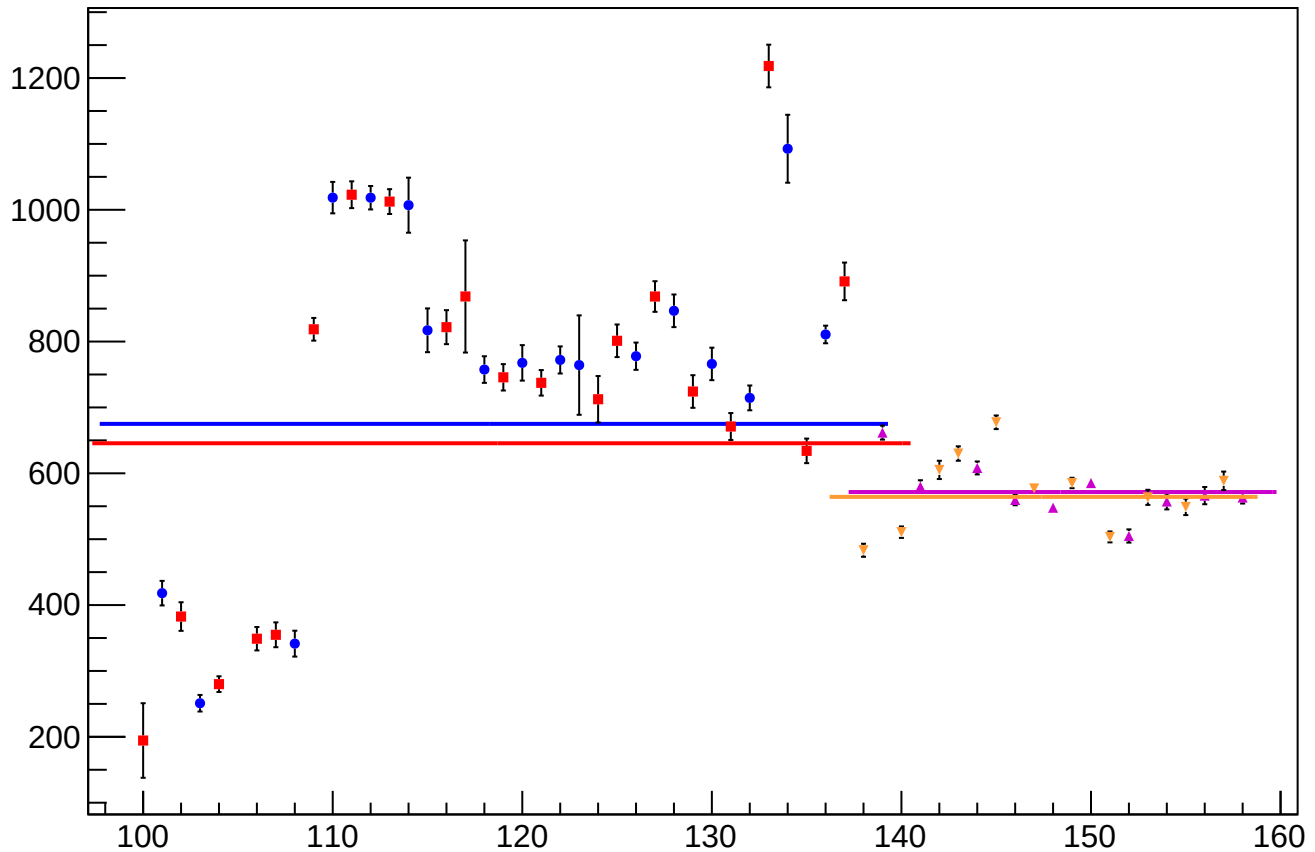
Right Out: -9.527 ± 2.606 χ^2/NDF : 370.3/19

Left In: 17.629 ± 1.984 χ^2/NDF : 117.0/9

5.039 ± 1.597 χ^2/NDF : 627.7/27

7.665 ± 1.578 χ^2/NDF : 556.0/29

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 675.045 ± 5.067 χ^2/NDF : 2584.3/16

Left Out: 564.220 ± 2.964 χ^2/NDF : 337.1/10

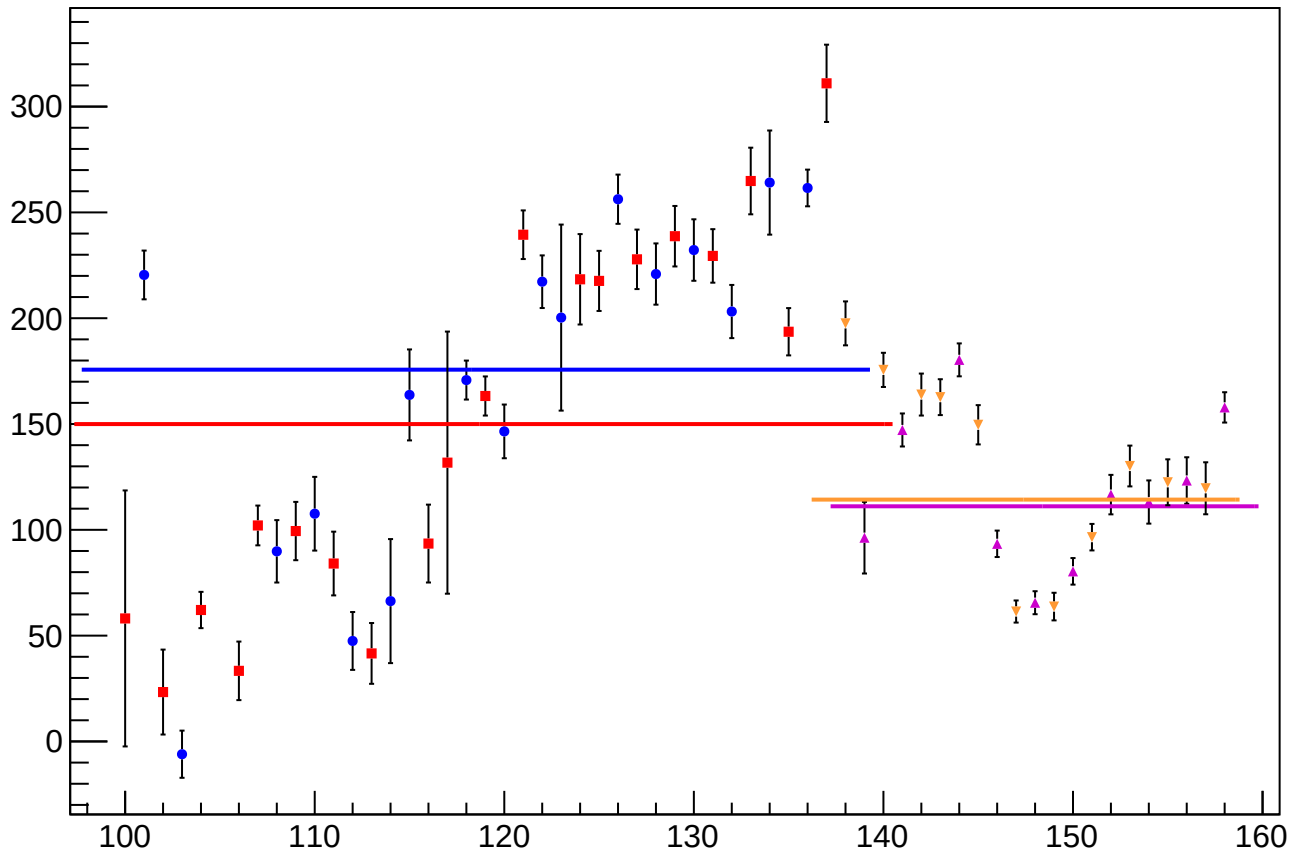
Right Out: 645.613 ± 4.754 χ^2/NDF : 3129.0/19

Left In: 571.598 ± 2.943 χ^2/NDF : 148.6/9

592.467 ± 2.558 χ^2/NDF : 3277.9/27

592.105 ± 2.502 χ^2/NDF : 3452.9/29

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 175.686 ± 3.239 $\chi^2/\text{NDF}: 637.9/16$

Left Out: 114.283 ± 2.413 $\chi^2/\text{NDF}: 368.1/10$

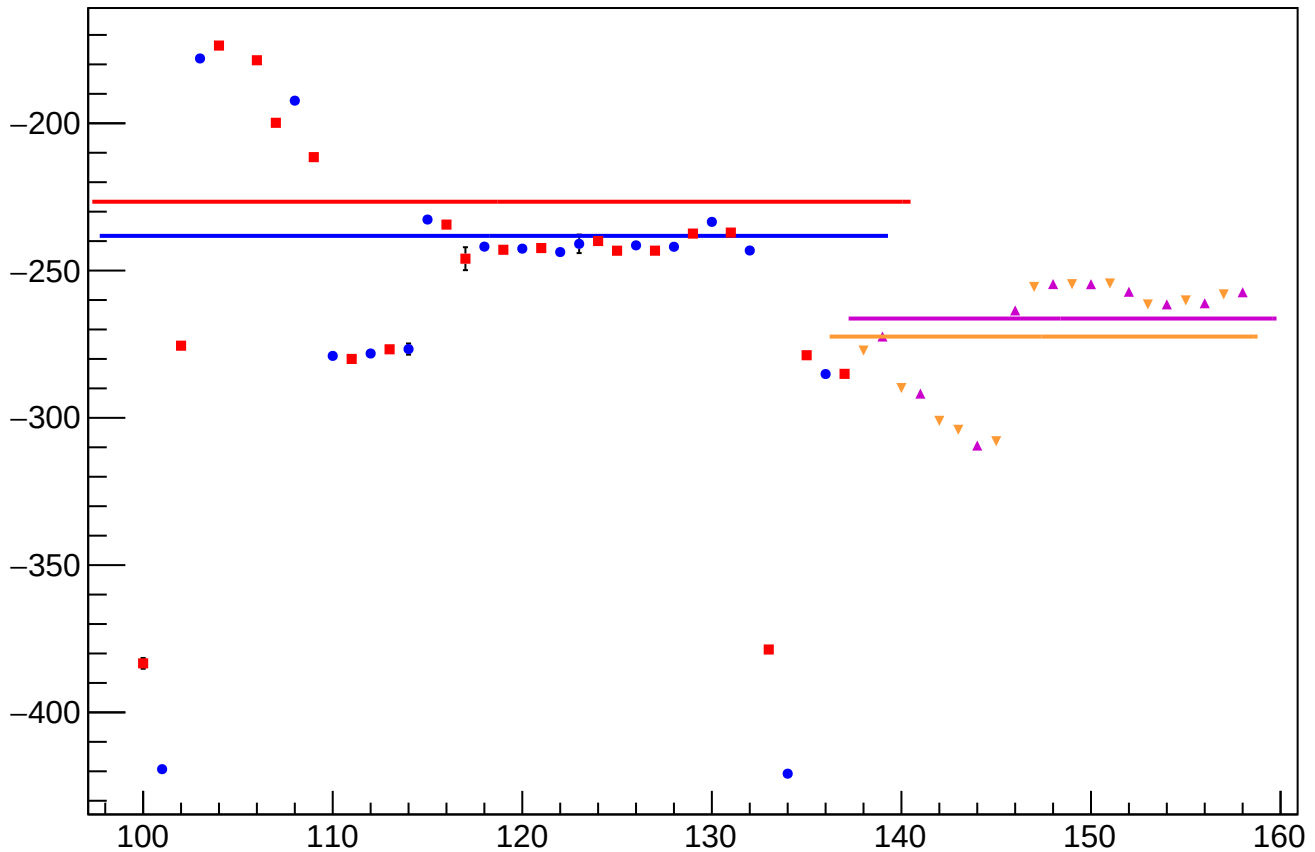
Right Out: 149.973 ± 3.038 $\chi^2/\text{NDF}: 693.8/19$

Left In: 111.118 ± 2.424 $\chi^2/\text{NDF}: 247.8/9$

136.198 ± 1.935 $\chi^2/\text{NDF}: 1237.2/27$

126.232 ± 1.895 $\chi^2/\text{NDF}: 1041.5/29$

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -238.217+/-0.160 χ^2/NDF : 167120.0/16

Left Out: -272.410+/-0.122 χ^2/NDF : 27551.4/10

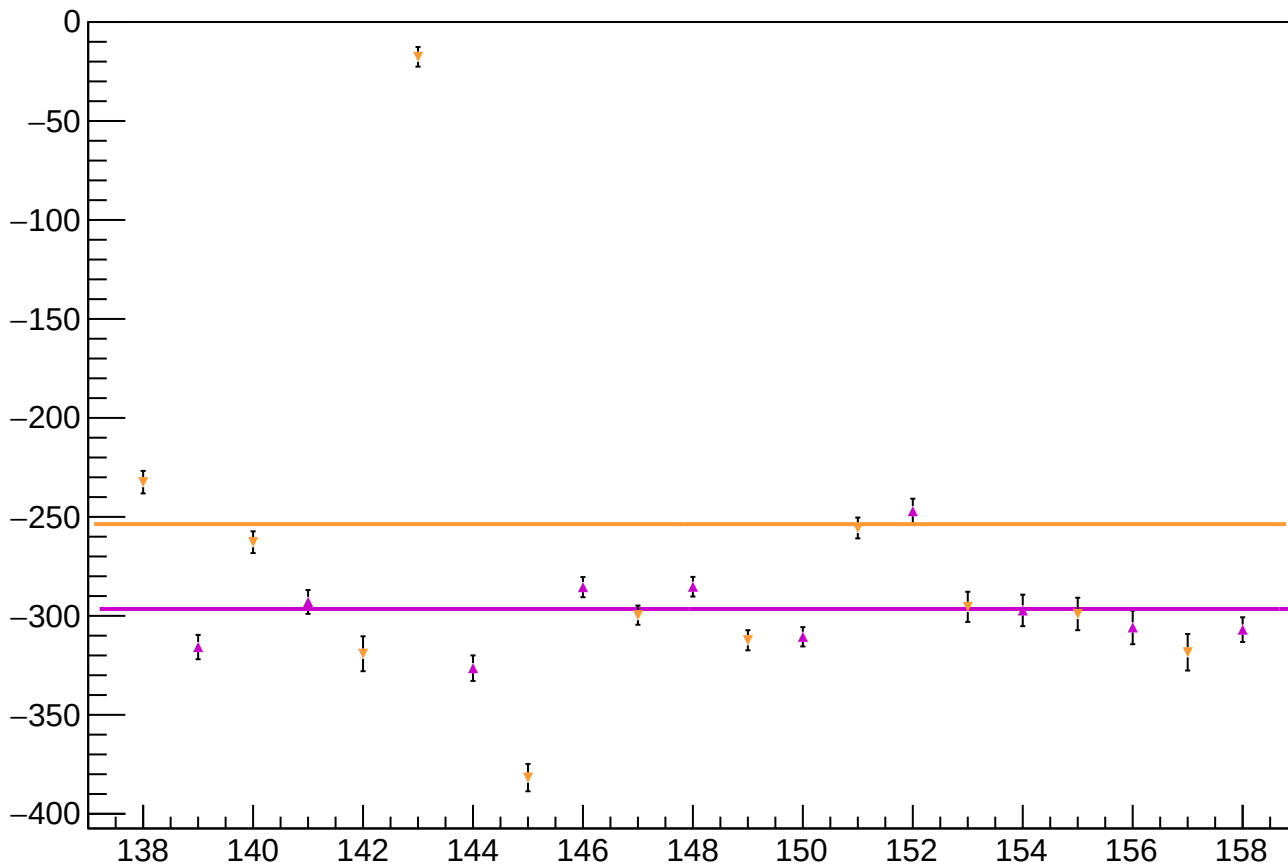
Right Out: -226.626+/-0.151 χ^2/NDF : 102587.0/19

Left In: -266.288+/-0.118 χ^2/NDF : 18797.6/9

-259.938+/-0.097 χ^2/NDF : 223519.1/27

-251.320+/-0.093 χ^2/NDF : 164274.4/29

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



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

Left Out: -253.661+/-1.824 χ^2/NDF : 3028.6/10

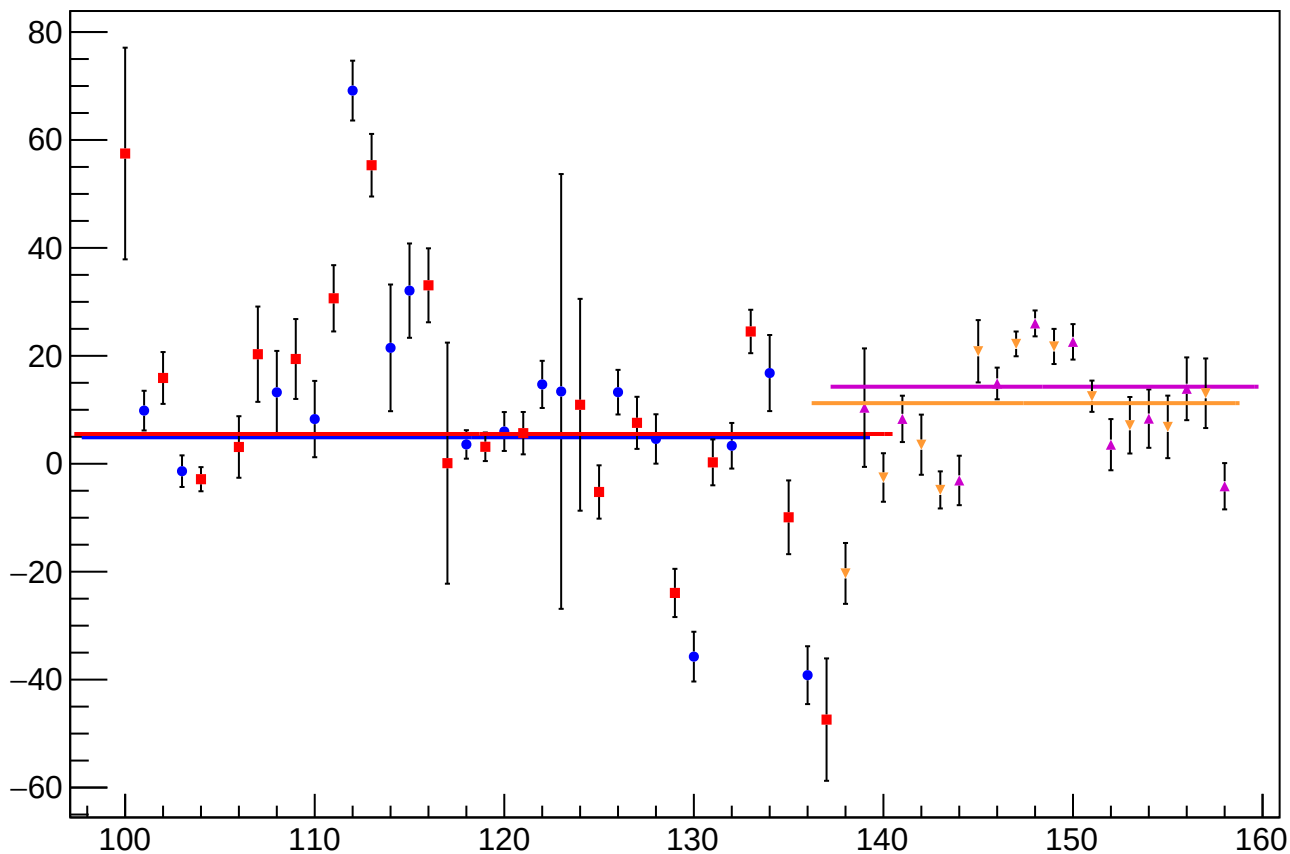
-253.661+/-1.824 χ^2/NDF : 3028.6/10

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

-296.513+/-1.889 χ^2/NDF : 115.7/9

Left In: -296.513+/-1.889 χ^2/NDF : 115.7/9

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 4.905 ± 1.105 χ^2/NDF : 311.7/16

Left Out: 11.232 ± 1.177 χ^2/NDF : 102.0/10

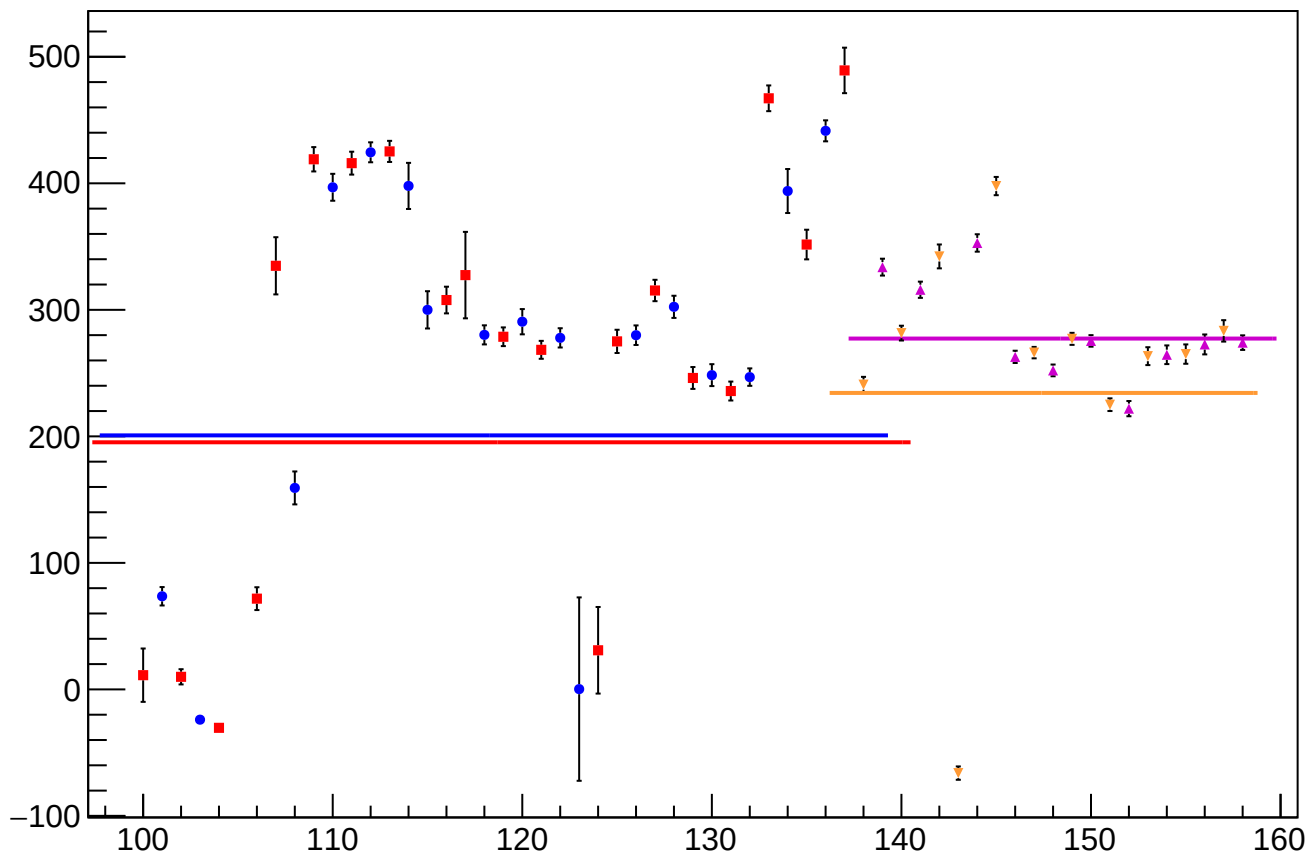
Right Out: 5.517 ± 1.067 χ^2/NDF : 239.0/19

Left In: 14.277 ± 1.236 χ^2/NDF : 71.6/9

7.869 ± 0.806 χ^2/NDF : 429.0/27

9.260 ± 0.808 χ^2/NDF : 339.3/29

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 200.773 $\pm$ 1.983 χ^2/NDF : 6733.0/16

Left Out: 234.327 $\pm$ 1.808 χ^2/NDF : 4148.7/10

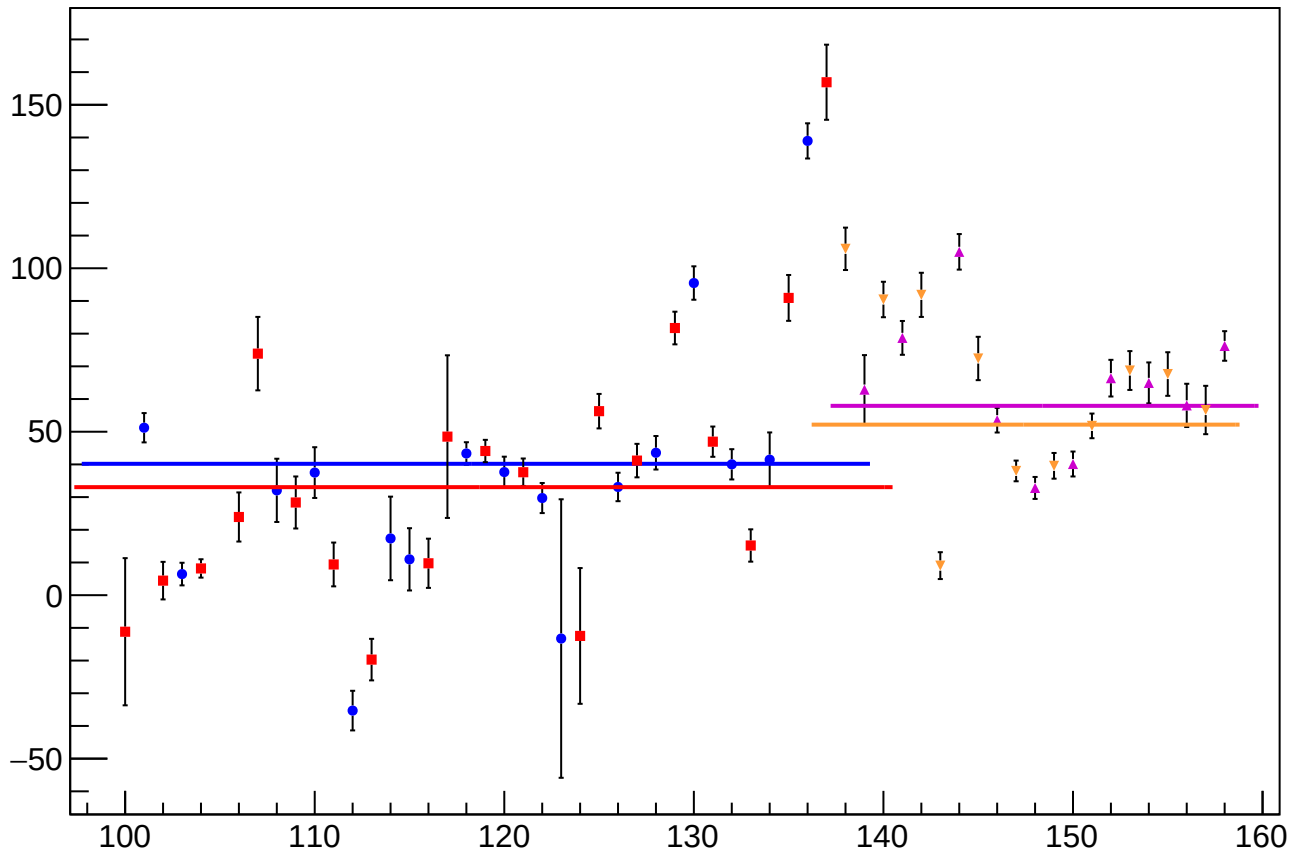
Right Out: 195.311 $\pm$ 1.921 χ^2/NDF : 8262.1/19

Left In: 277.296 $\pm$ 1.835 χ^2/NDF : 354.9/9

219.101 $\pm$ 1.336 χ^2/NDF : 11038.1/27

238.173 $\pm$ 1.327 χ^2/NDF : 9569.5/29

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 40.185 ± 1.283 $\chi^2/\text{NDF}: 734.6/16$

Left Out: 52.168 ± 1.466 $\chi^2/\text{NDF}: 316.5/10$

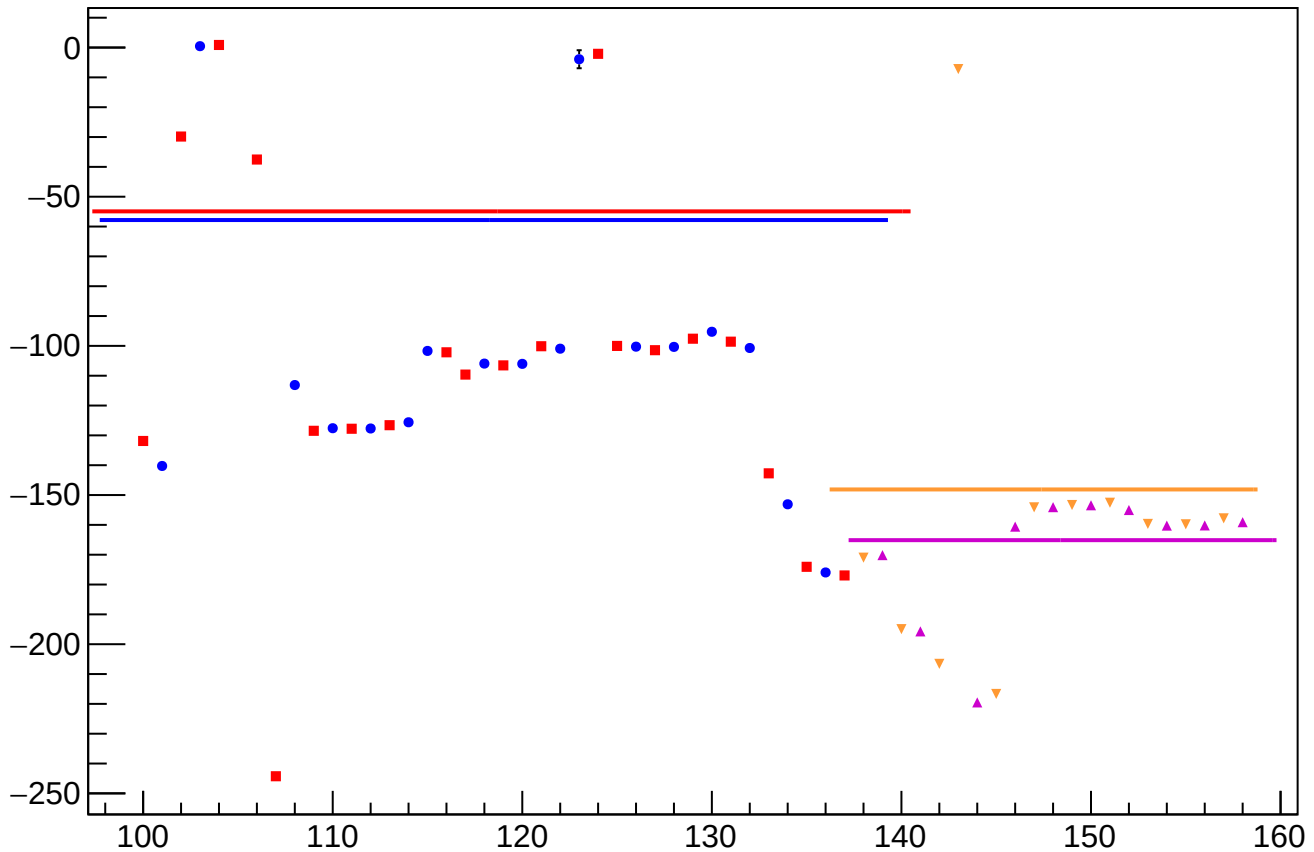
Right Out: 33.045 ± 1.249 $\chi^2/\text{NDF}: 553.1/19$

Left In: 57.919 ± 1.513 $\chi^2/\text{NDF}: 190.3/9$

45.385 ± 0.965 $\chi^2/\text{NDF}: 1088.9/27$

43.127 ± 0.963 $\chi^2/\text{NDF}: 904.2/29$

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -57.821+/-0.062 χ^2/NDF : 1101296.2/16

Left Out: -148.126+/-0.074 χ^2/NDF : 575991.5/10

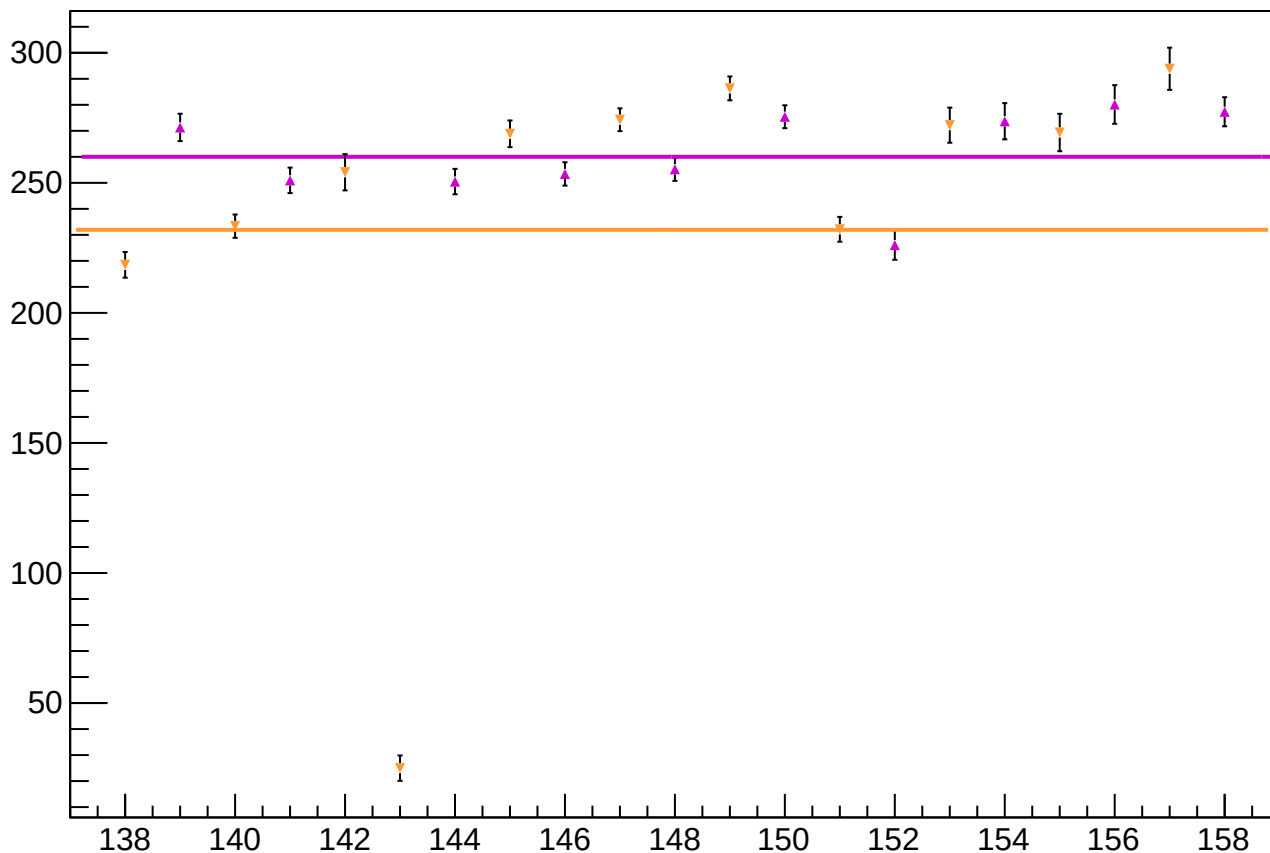
Right Out: -54.915+/-0.060 χ^2/NDF : 1001968.3/19

Left In: -165.124+/-0.073 χ^2/NDF : 57272.4/9

-94.888+/-0.047 χ^2/NDF : 2554058.8/27

-99.305+/-0.047 χ^2/NDF : 2409728.1/29

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



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

Left Out: 231.942+/-1.598 χ^2/NDF : 2230.2/10

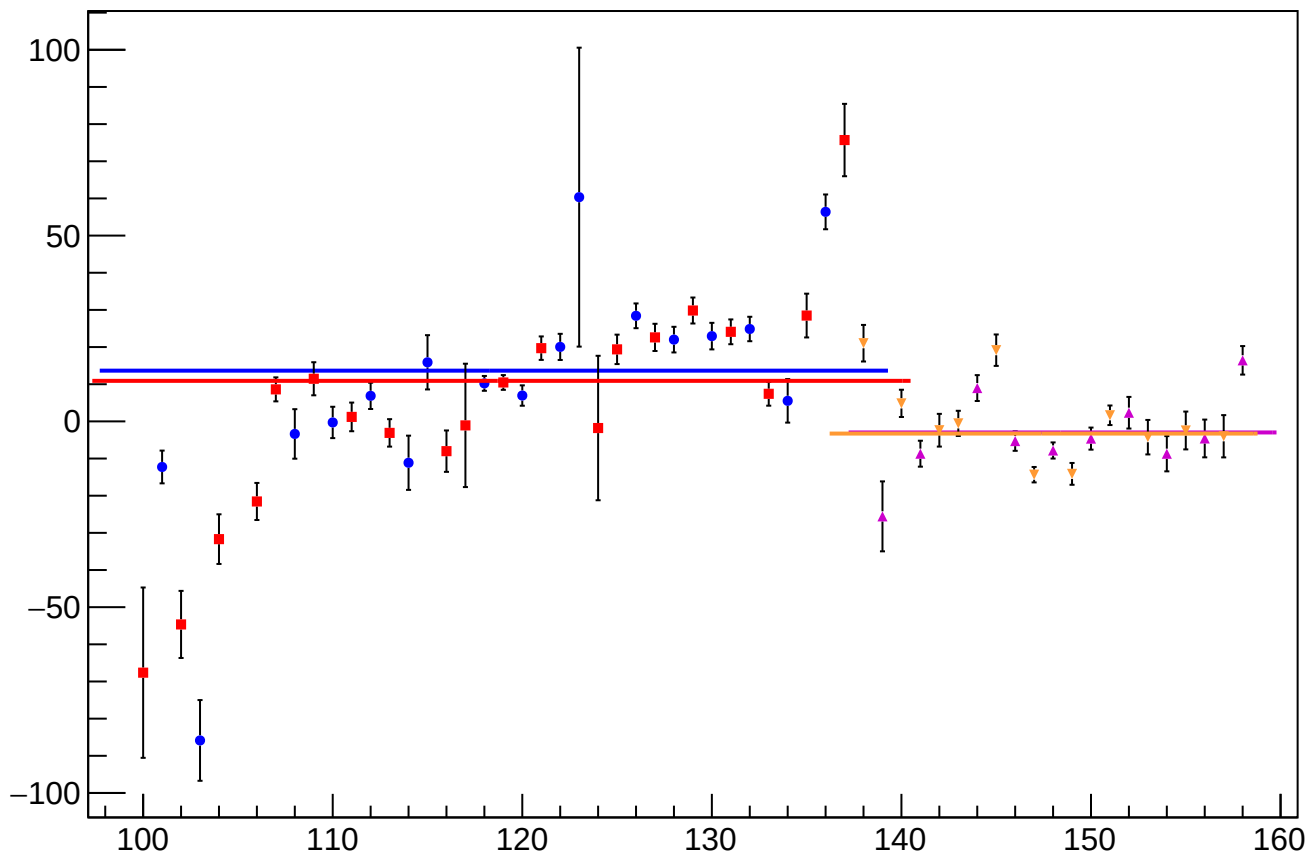
231.942+/-1.598 χ^2/NDF : 2230.2/10

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

Left In: 260.023+/-1.637 χ^2/NDF : 84.2/9

260.023+/-1.637 χ^2/NDF : 84.2/9

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 13.652+/-0.936 χ^2/NDF : 294.0/16

Left Out: -3.280+/-1.043 χ^2/NDF : 103.8/10

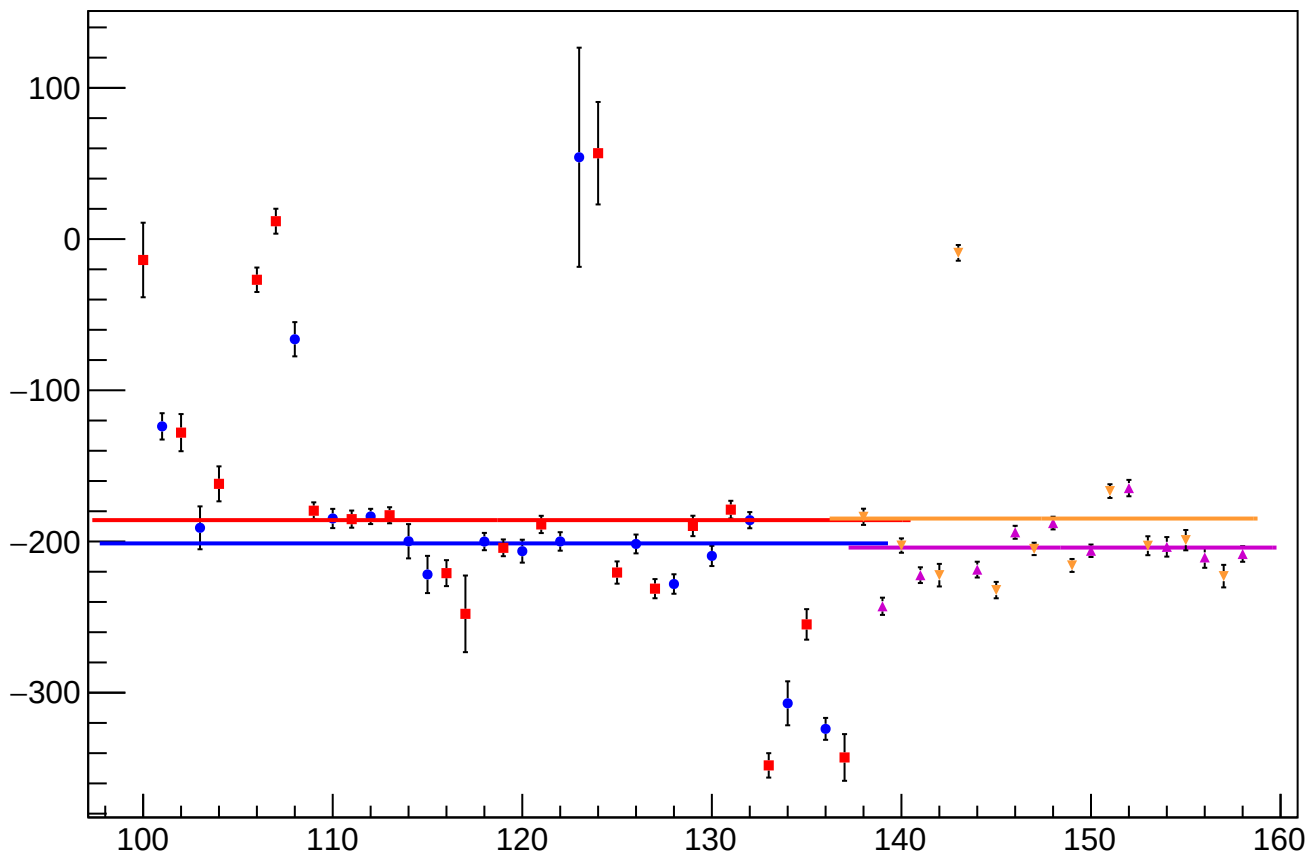
Right Out: 10.908+/-0.912 χ^2/NDF : 303.1/19

Left In: -2.979+/-1.083 χ^2/NDF : 55.0/9

6.100+/-0.697 χ^2/NDF : 543.7/27

5.146+/-0.697 χ^2/NDF : 454.3/29

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -201.266+/-1.795 χ^2/NDF : 623.4/16

Left Out: -184.831+/-1.589 χ^2/NDF :1389.1/10

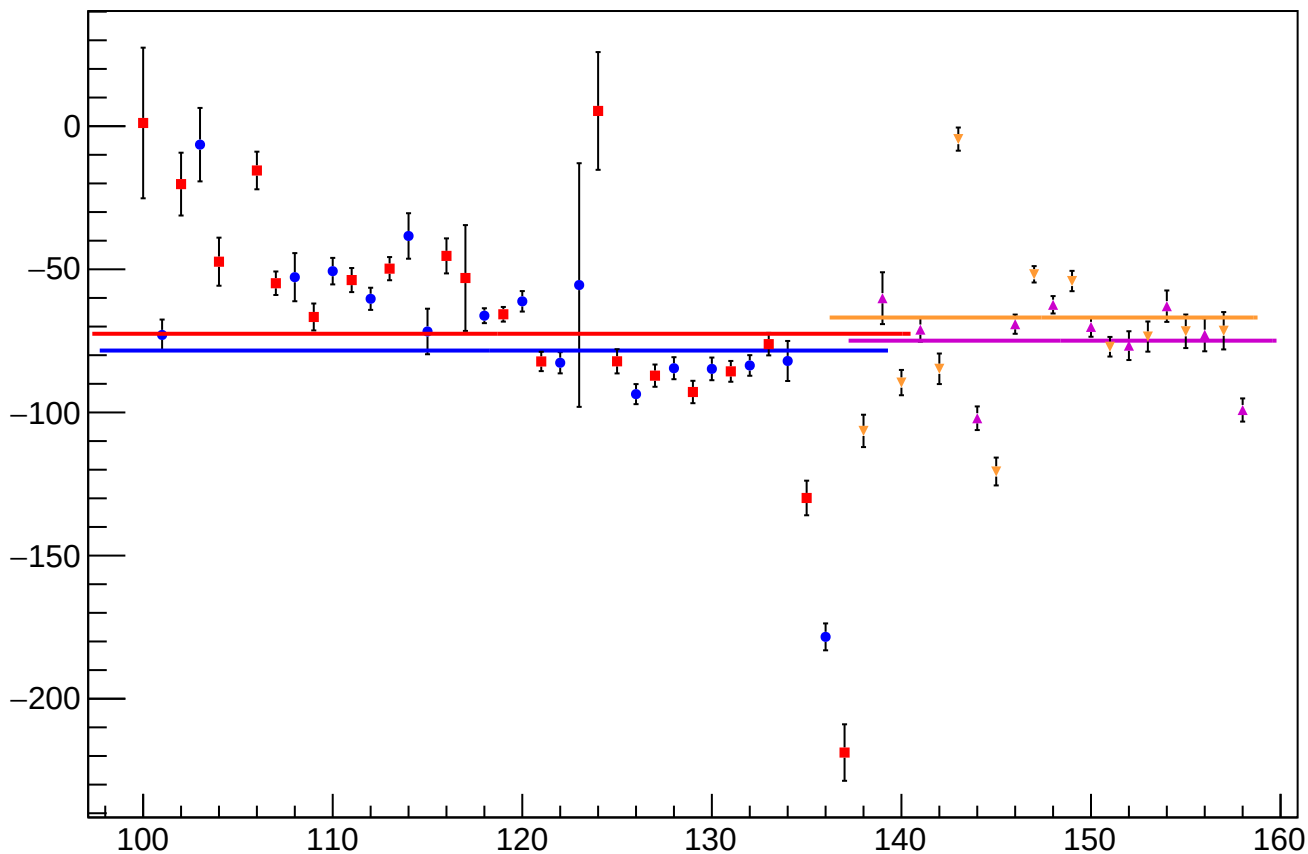
Right Out: -185.871+/-1.695 χ^2/NDF : 1752.0/19

Left In: -204.031+/-1.599 χ^2/NDF :141.6/9

-192.050+/-1.190 χ^2/NDF : 2059.5/27

-195.482+/-1.163 χ^2/NDF : 1954.4/29

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -78.376 ± 1.081 χ^2/NDF : 651.4/16

Left Out: -66.839 ± 1.295 χ^2/NDF : 498.8/10

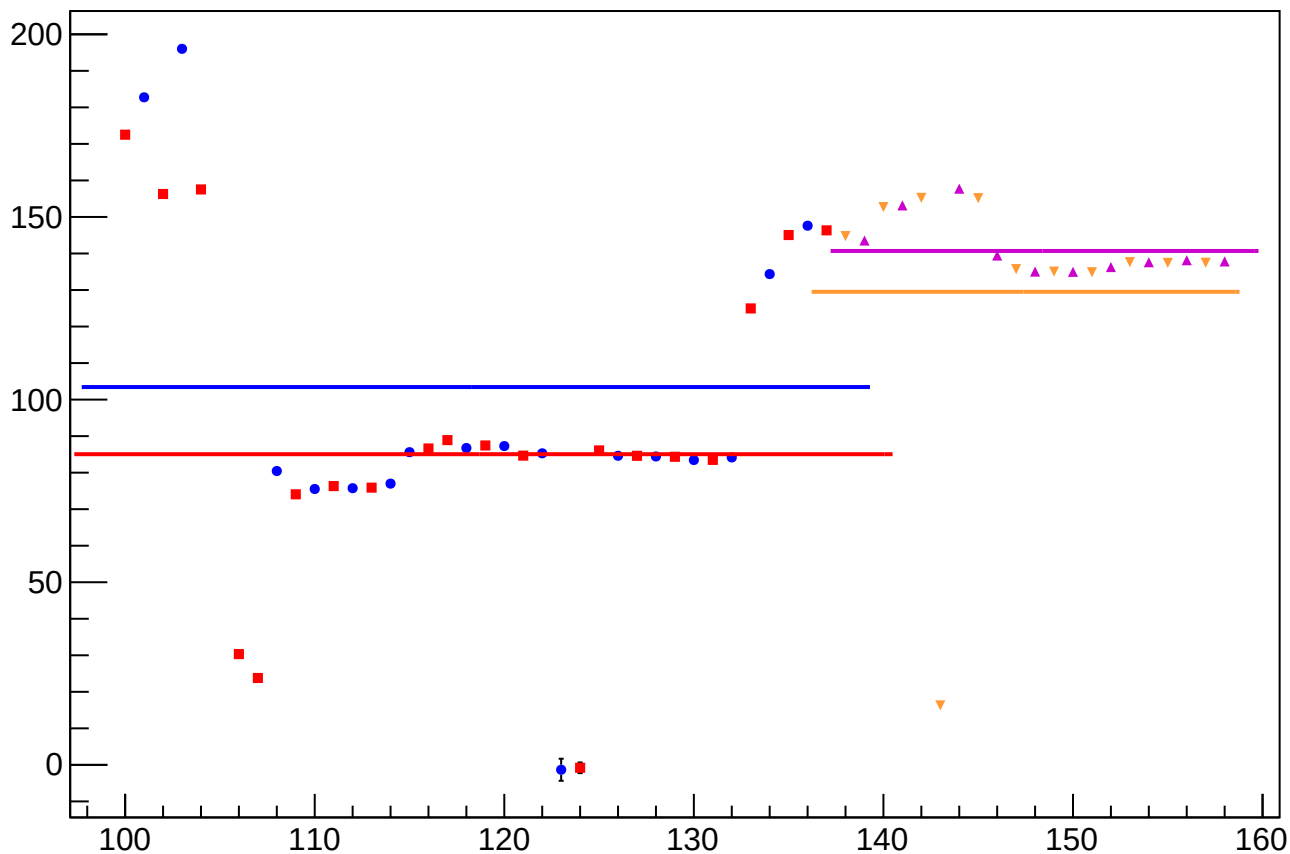
Right Out: -72.514 ± 1.050 χ^2/NDF : 607.0/19

Left In: -74.924 ± 1.321 χ^2/NDF : 109.4/9

-73.637 ± 0.830 χ^2/NDF : 1197.0/27

-73.446 ± 0.822 χ^2/NDF : 718.4/29

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 103.436 $\pm$ 0.071 χ^2 /NDF: 272785.6/16

Left Out: 129.506 $\pm$ 0.065 χ^2 /NDF: 342030.4/10

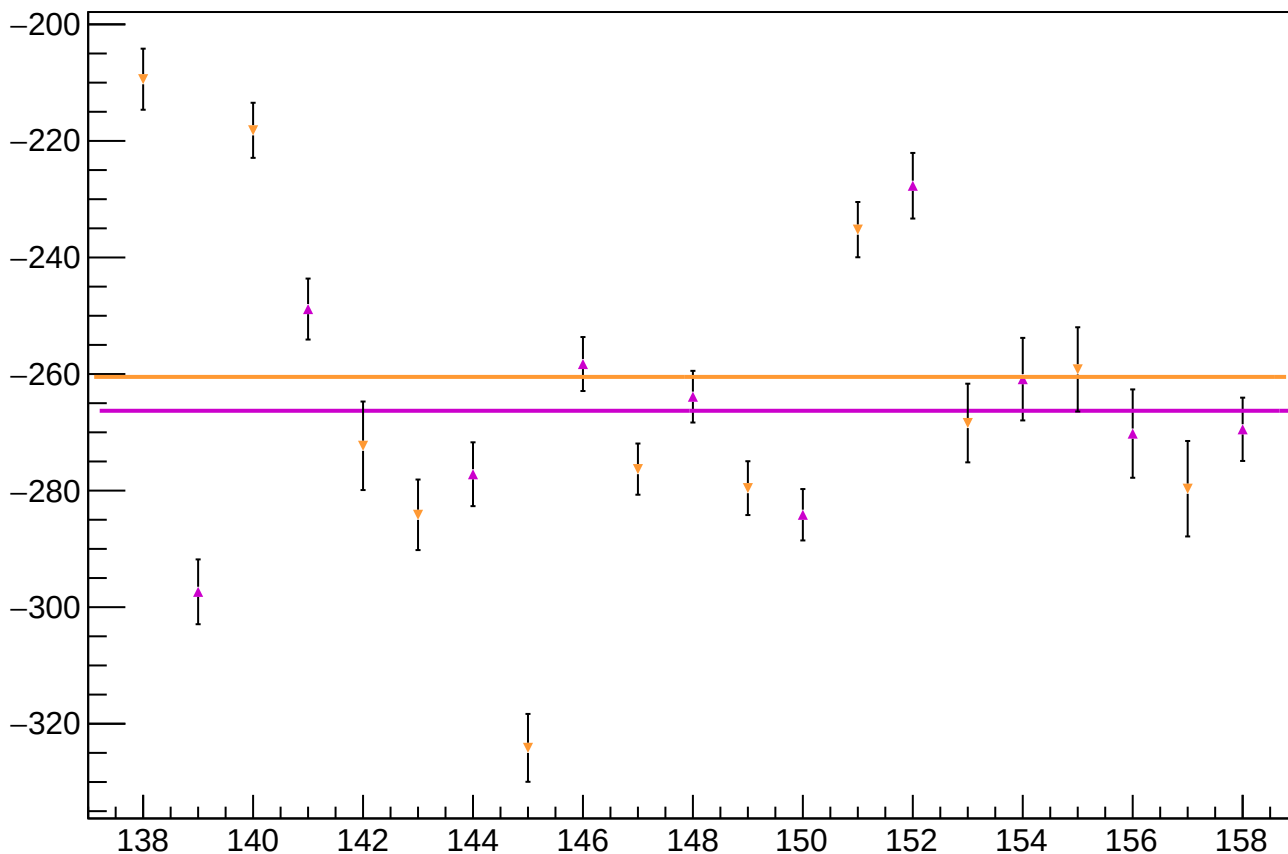
Right Out: 85.054 $\pm$ 0.064 χ^2 /NDF: 422354.0/19

Left In: 140.689 $\pm$ 0.064 χ^2 /NDF: 12357.5/9

117.604 $\pm$ 0.048 χ^2 /NDF: 688336.3/27

112.764 $\pm$ 0.045 χ^2 /NDF: 815301.8/29

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



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

Left Out: -260.489+/-1.679 χ^2/NDF : 377.8/10

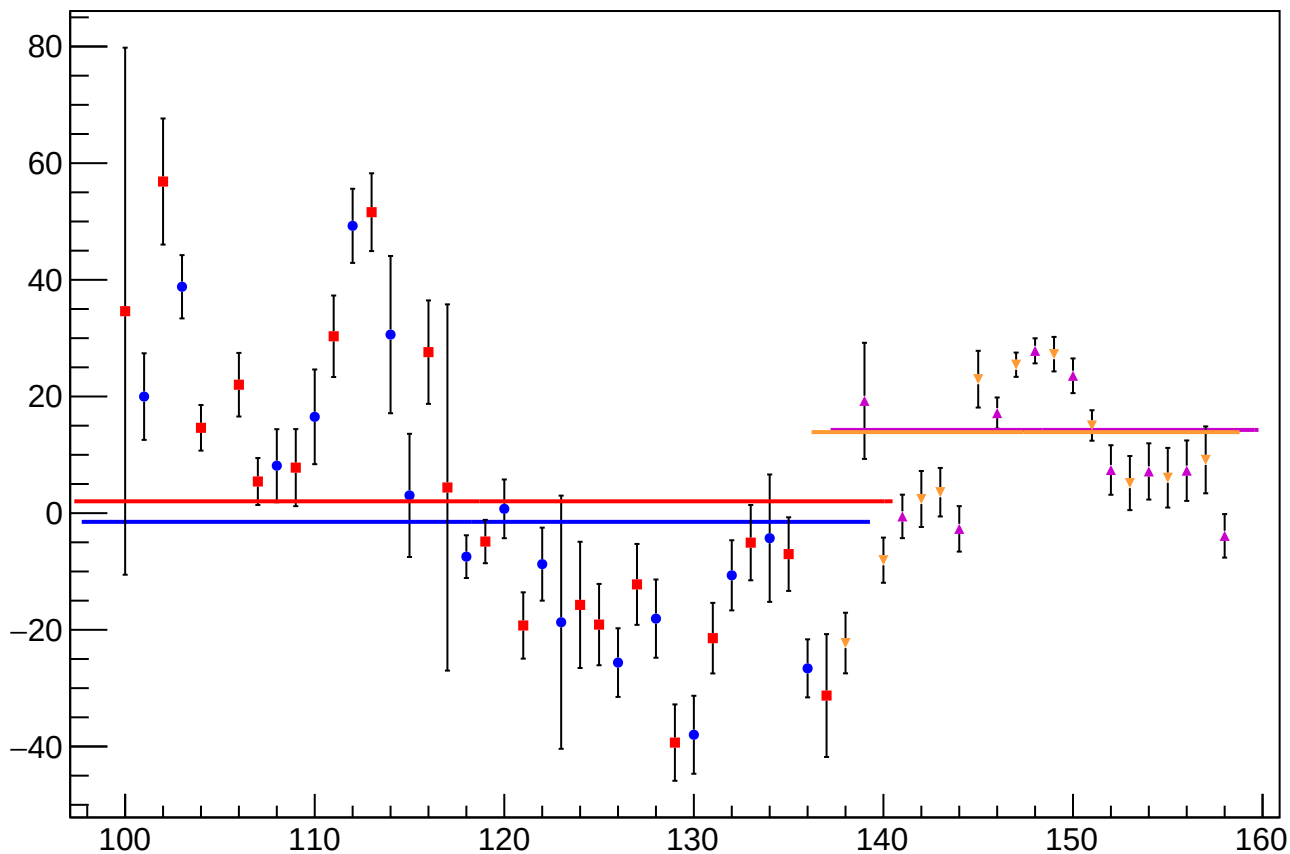
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -266.302+/-1.681 χ^2/NDF : 114.2/9

-260.489+/-1.679 χ^2/NDF : 377.8/10

-266.302+/-1.681 χ^2/NDF : 114.2/9

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: -1.490 ± 1.536 $\chi^2/\text{NDF}: 226.0/16$

Left Out: 13.895 ± 1.082 $\chi^2/\text{NDF}: 153.9/10$

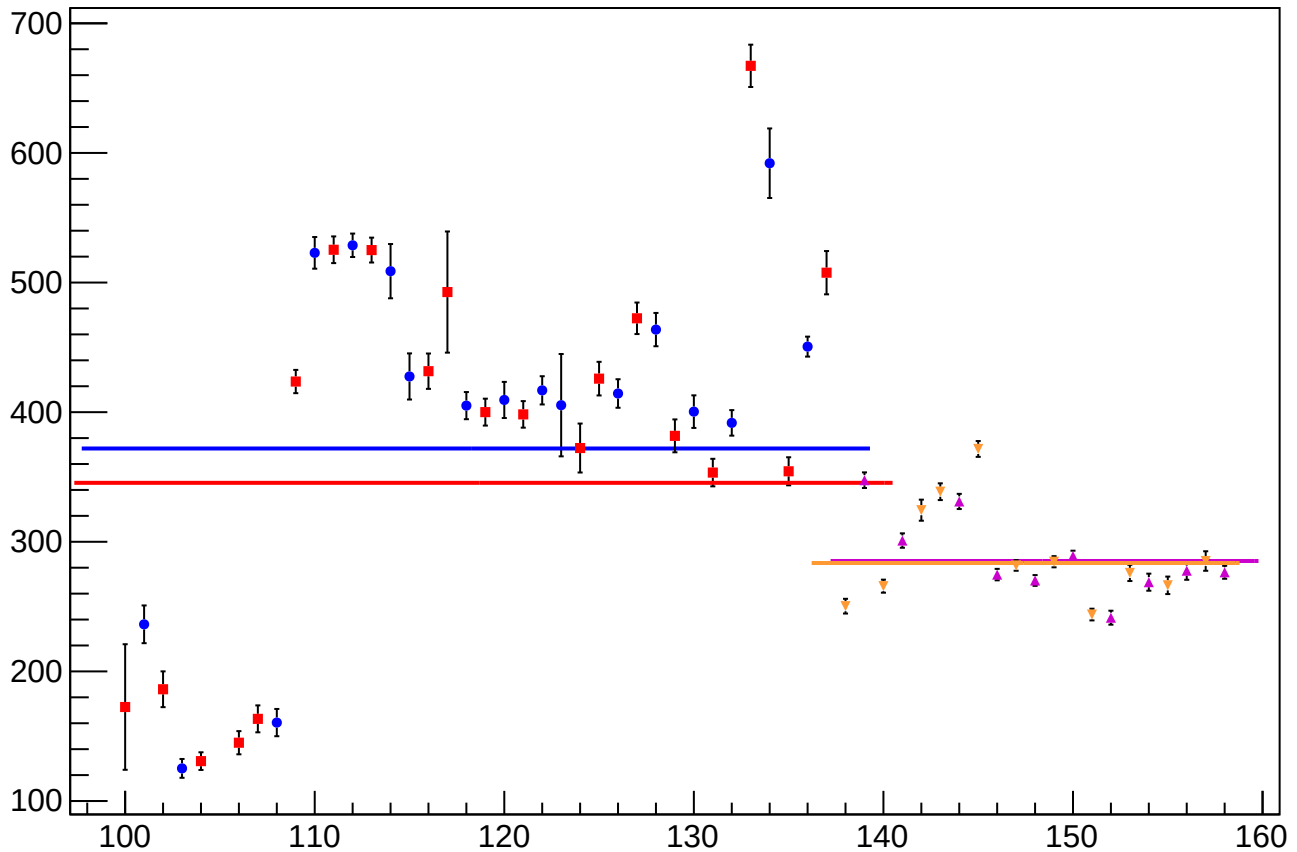
Right Out: 2.032 ± 1.398 $\chi^2/\text{NDF}: 233.3/19$

Left In: 14.271 ± 1.102 $\chi^2/\text{NDF}: 116.0/9$

8.792 ± 0.885 $\chi^2/\text{NDF}: 446.9/27$

9.584 ± 0.865 $\chi^2/\text{NDF}: 396.5/29$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 371.975±/-2.778 χ^2/NDF : 2432.6/16

Left Out: 283.633±/-1.658 χ^2/NDF : 437.9/10

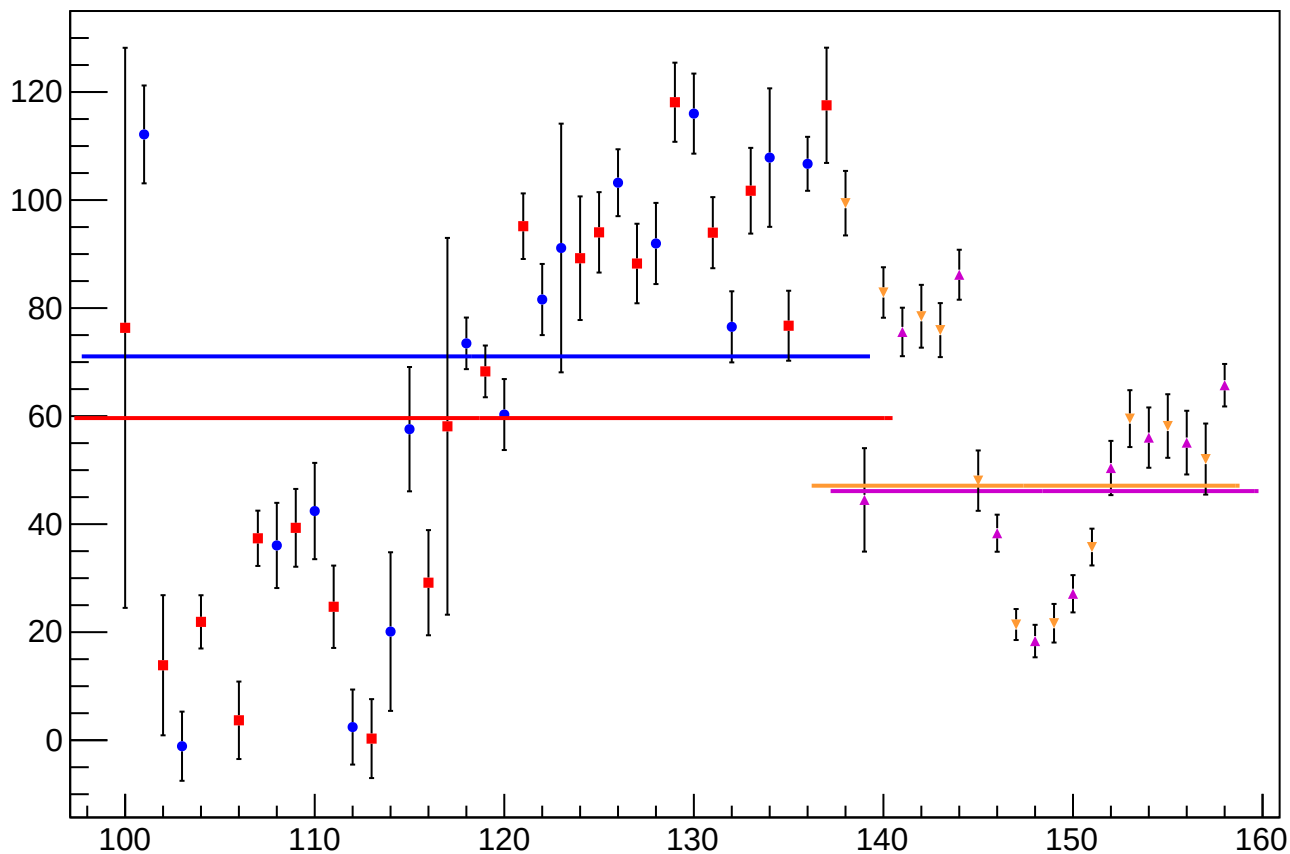
Right Out: 345.485±/-2.558 χ^2/NDF : 3425.1/19

Left In: 285.190±/-1.634 χ^2/NDF : 272.2/9

306.847±/-1.424 χ^2/NDF : 3616.2/27

302.664±/-1.377 χ^2/NDF : 4091.8/29

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 71.056 $\pm$ 1.764 χ^2 /NDF: 426.2/16

Left Out: 47.118 $\pm$ 1.349 χ^2 /NDF:349.3/10

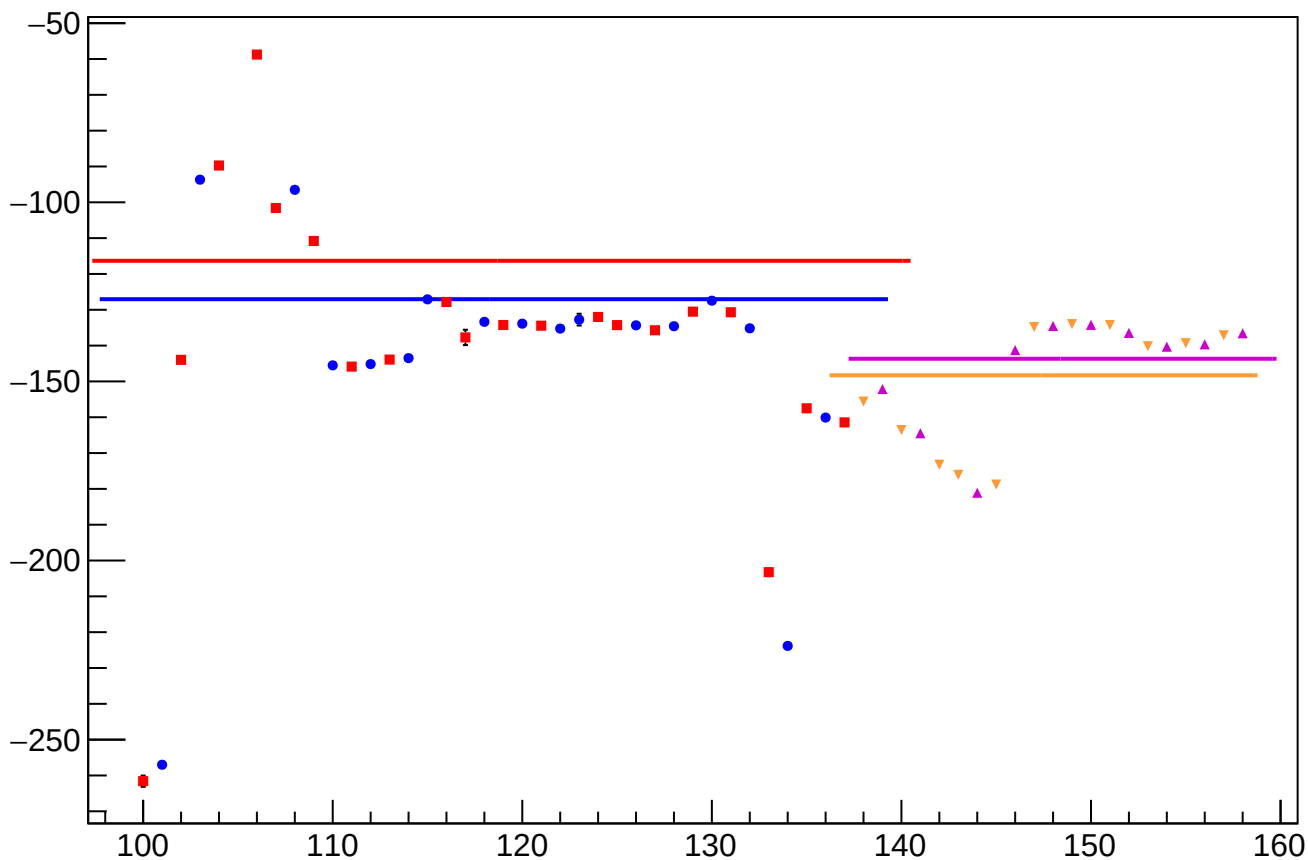
Right Out: 59.634 $\pm$ 1.629 χ^2 /NDF: 491.6/19

Left In: 46.117 $\pm$ 1.346 χ^2 /NDF:269.9/9

55.953 $\pm$ 1.072 χ^2 /NDF: 891.7/27

51.600 $\pm$ 1.038 χ^2 /NDF: 802.4/29

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -127.049+/-0.090 χ^2/NDF : 167014.4/16

Left Out: -148.296+/-0.068 χ^2/NDF : 59622.5/10

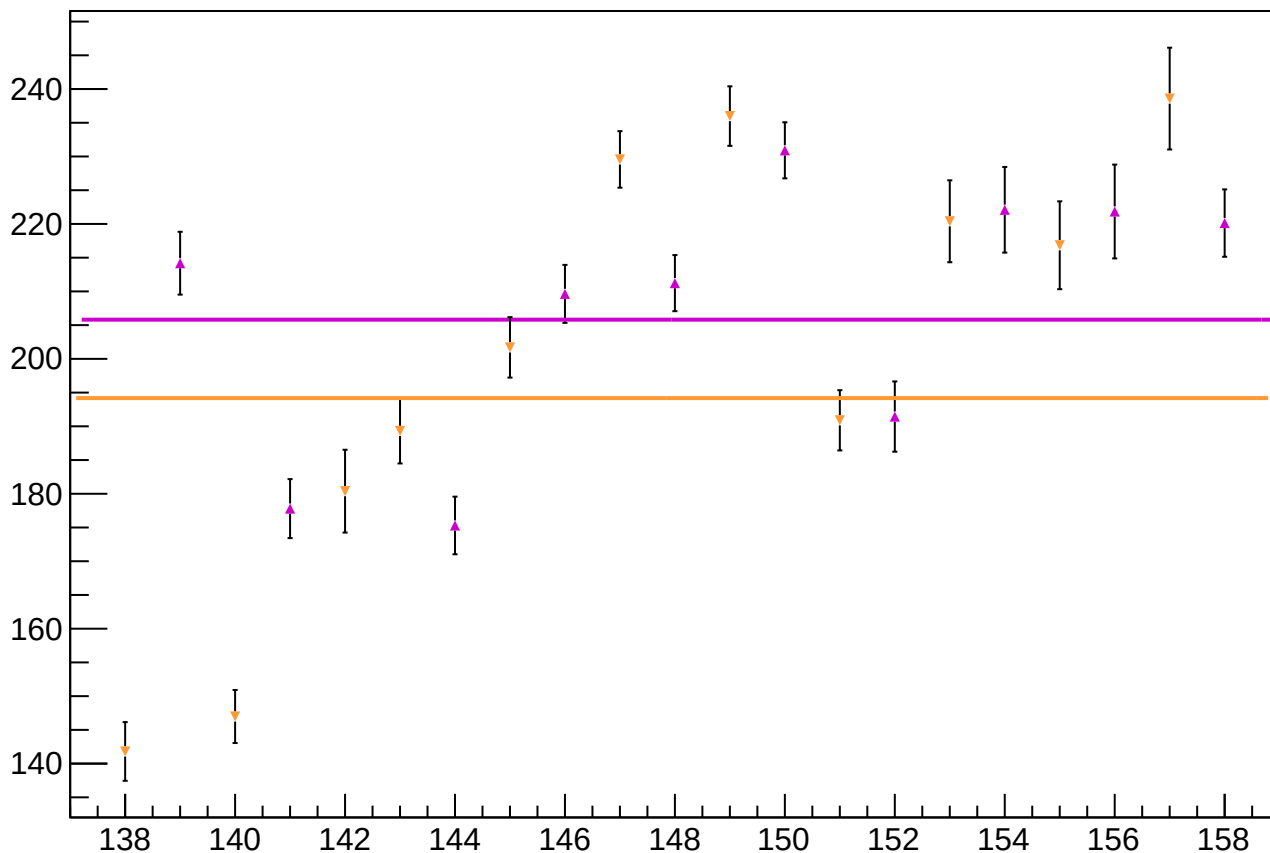
Right Out: -116.327+/-0.083 χ^2/NDF : 167208.7/19

Left In: -143.676+/-0.065 χ^2/NDF : 40323.4/9

-140.553+/-0.054 χ^2/NDF : 262236.8/27

-133.220+/-0.051 χ^2/NDF : 274719.5/29

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



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

Left Out: 194.186+/-1.469 χ^2/NDF : 525.0/10

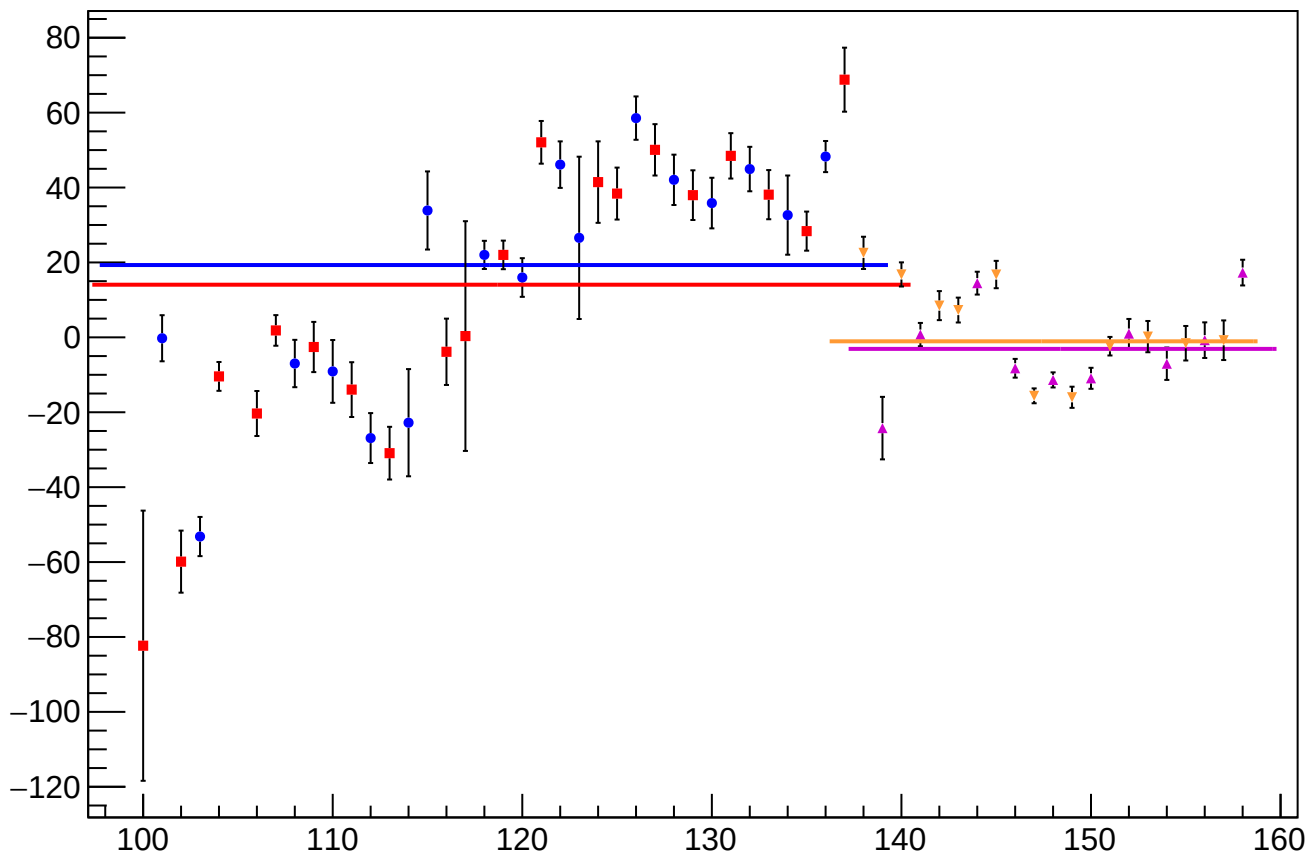
194.186+/-1.469 χ^2/NDF : 525.0/10

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

Left In: 205.813+/-1.498 χ^2/NDF : 162.0/9

205.813+/-1.498 χ^2/NDF : 162.0/9

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: 19.308+/-1.500 χ^2/NDF : 441.3/16

Left Out: -1.060+/-0.969 χ^2/NDF : 179.1/10

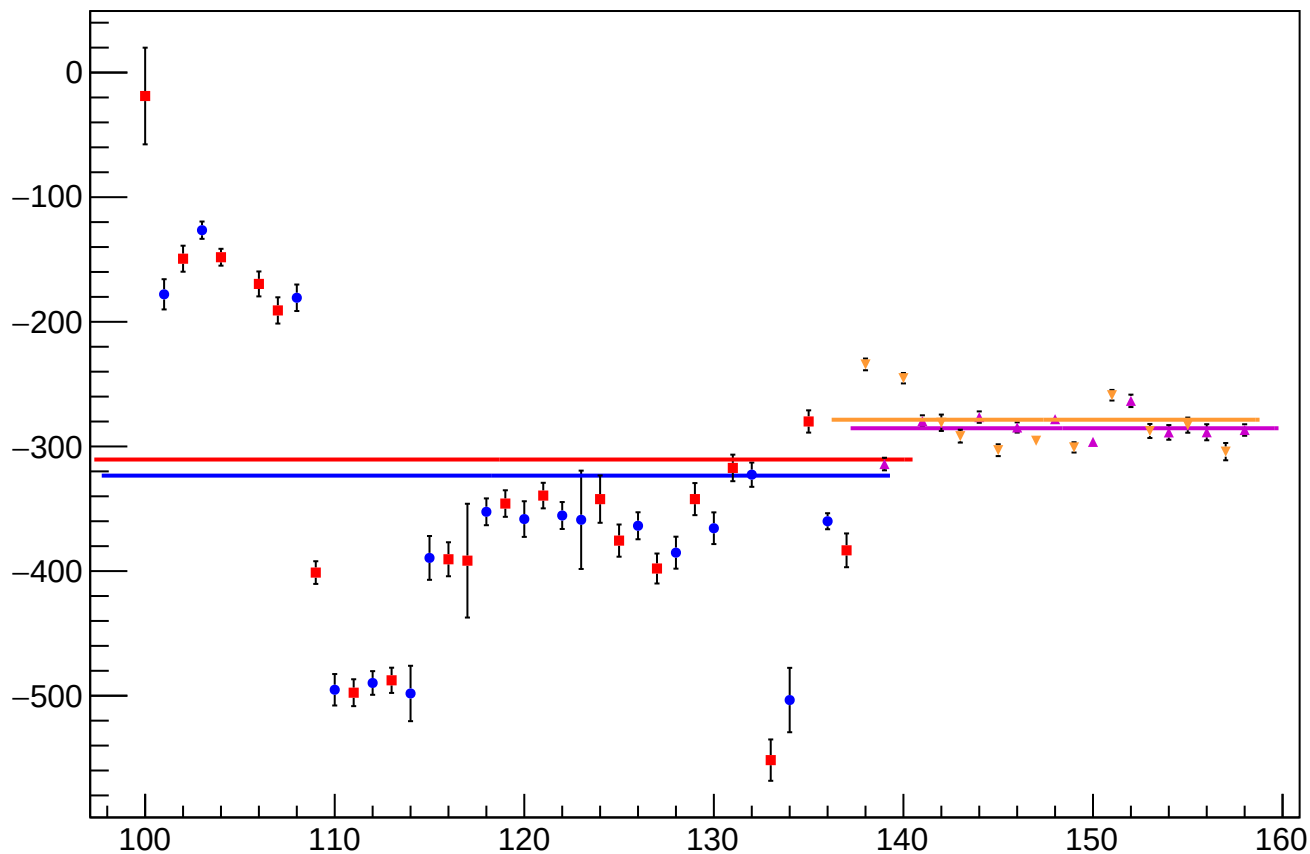
Right Out: 14.055+/-1.388 χ^2/NDF : 437.1/19

Left In: -3.082+/-0.998 χ^2/NDF : 107.4/9

4.937+/-0.814 χ^2/NDF : 750.4/27

2.754+/-0.810 χ^2/NDF : 645.0/29

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -323.402 ± 2.684 $\chi^2/\text{NDF}: 1849.6/16$

Left Out: -278.548 ± 1.465 $\chi^2/\text{NDF}: 270.7/10$

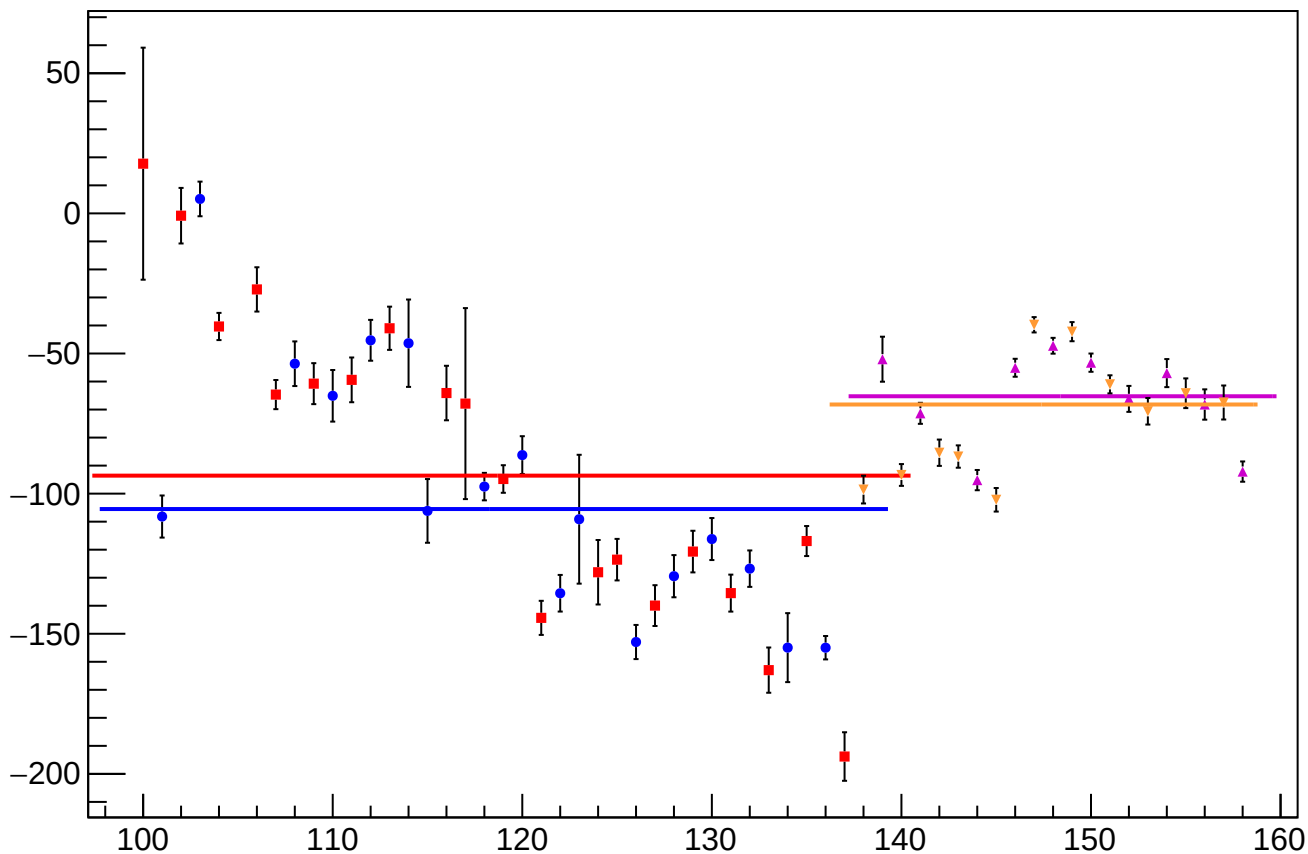
Right Out: -310.484 ± 2.520 $\chi^2/\text{NDF}: 2302.0/19$

Left In: -285.392 ± 1.467 $\chi^2/\text{NDF}: 69.3/9$

-288.844 ± 1.286 $\chi^2/\text{NDF}: 2335.5/27$

-291.744 ± 1.268 $\chi^2/\text{NDF}: 2445.3/29$

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -105.496 ± 1.712 $\chi^2/\text{NDF}: 737.3/16$

Left Out: -68.194 ± 1.200 $\chi^2/\text{NDF}: 351.7/10$

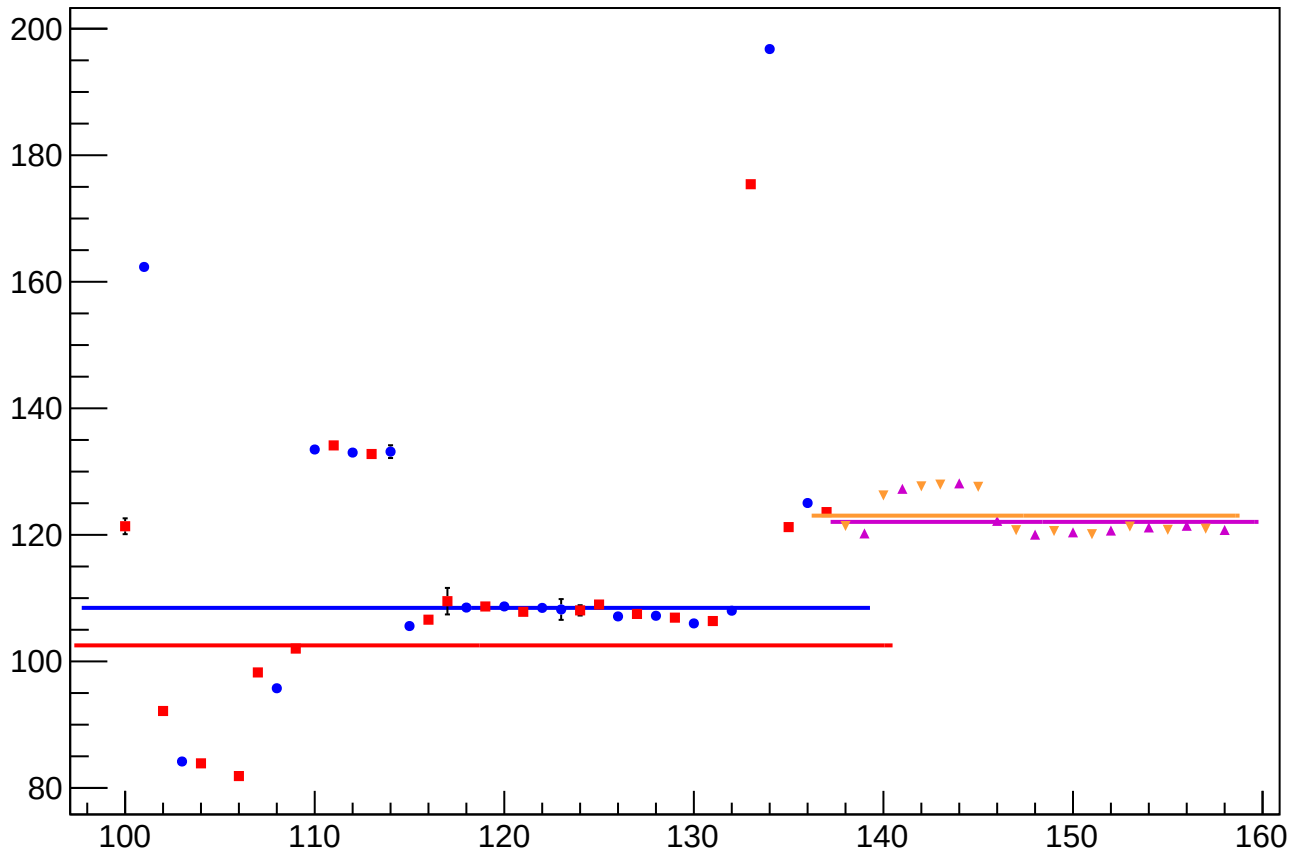
Right Out: -93.579 ± 1.608 $\chi^2/\text{NDF}: 827.7/19$

Left In: -65.254 ± 1.215 $\chi^2/\text{NDF}: 196.5/9$

-80.484 ± 0.983 $\chi^2/\text{NDF}: 1407.4/27$

-75.543 ± 0.969 $\chi^2/\text{NDF}: 1221.7/29$

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 108.460 ± 0.085 χ^2/NDF : 73301.9/16

Left Out: 123.039 ± 0.060 χ^2/NDF : 2702.8/10

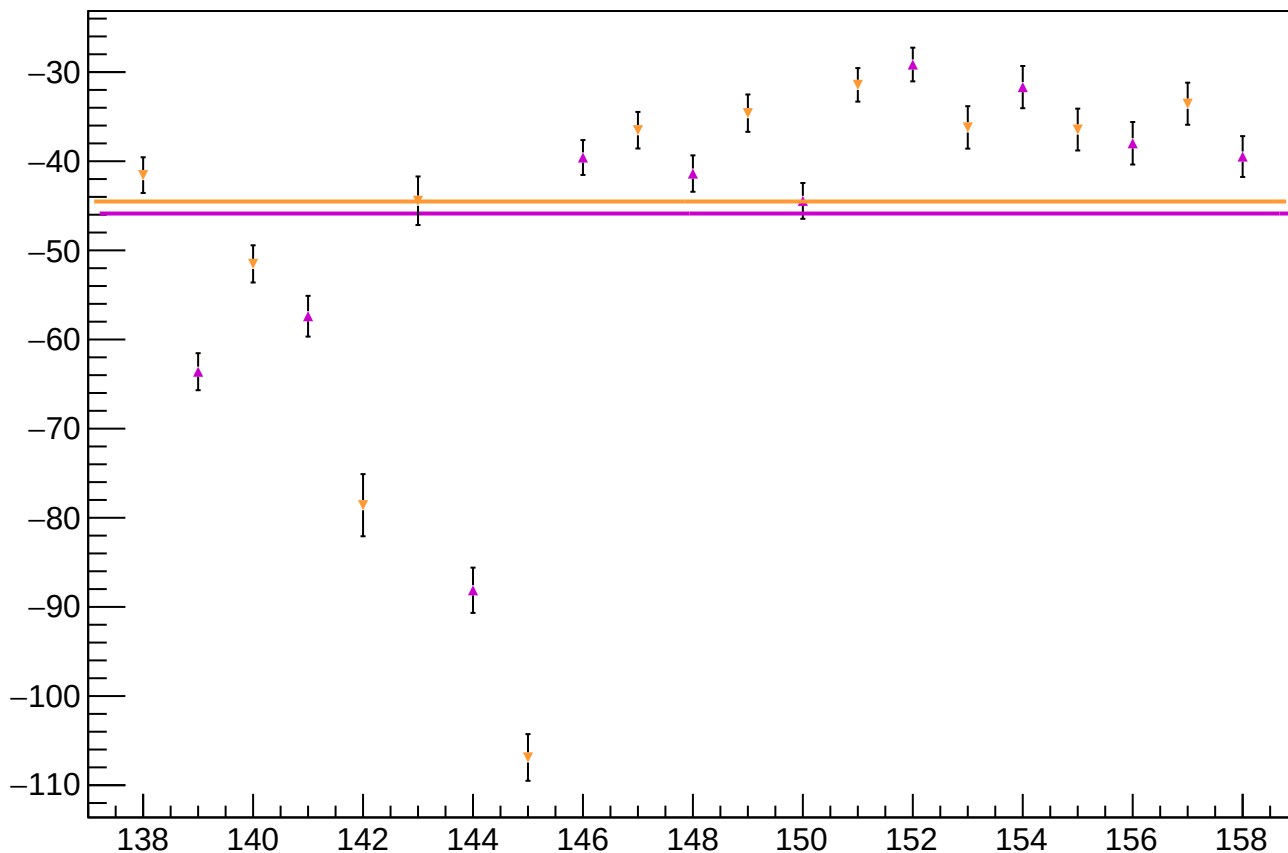
Right Out: 102.532 ± 0.079 χ^2/NDF : 53003.2/19

Left In: 122.051 ± 0.058 χ^2/NDF : 2189.8/9

118.215 ± 0.049 χ^2/NDF : 95689.0/27

115.197 ± 0.047 χ^2/NDF : 94317.0/29

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



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

Left Out: -44.518+/-0.686 χ^2/NDF : 807.6/10

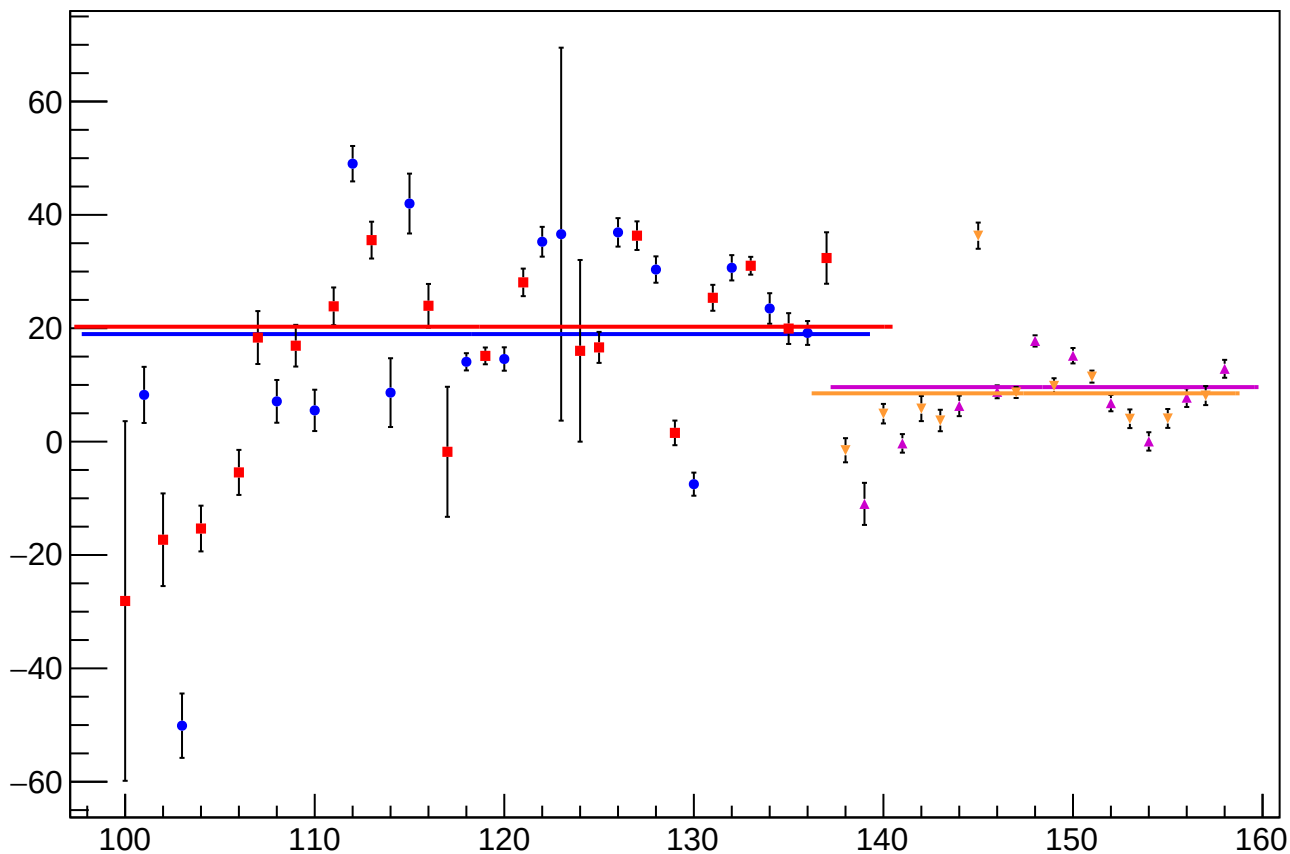
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -45.866+/-0.682 χ^2/NDF : 524.2/9

-44.518+/-0.686 χ^2/NDF : 807.6/10

-45.866+/-0.682 χ^2/NDF : 524.2/9

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 18.970 $\pm$ 0.653 χ^2/NDF : 618.4/16

Left Out: 8.517 $\pm$ 0.456 χ^2/NDF : 202.5/10

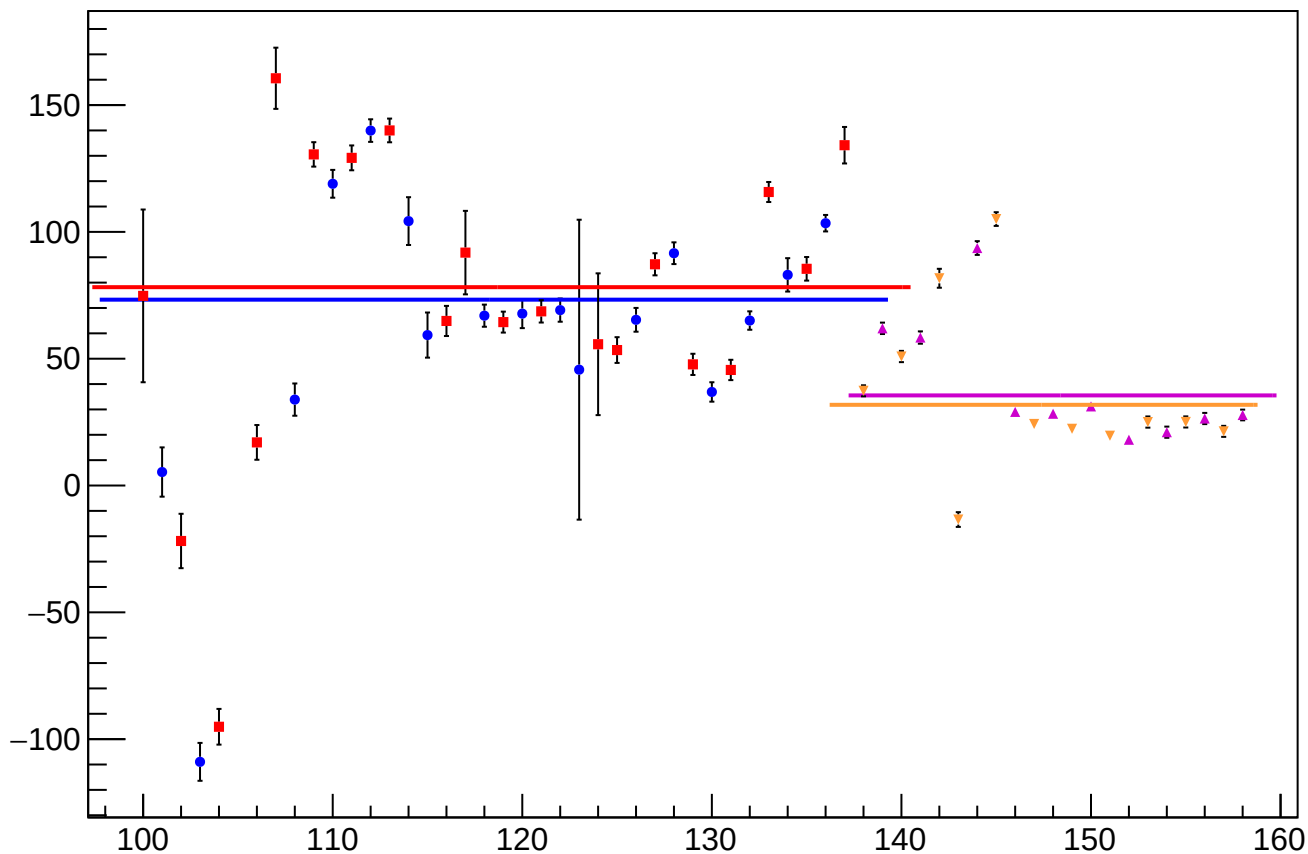
Right Out: 20.269 $\pm$ 0.641 χ^2/NDF : 370.1/19

Left In: 9.617 $\pm$ 0.461 χ^2/NDF : 199.6/9

11.948 $\pm$ 0.374 χ^2/NDF : 993.1/27

13.243 $\pm$ 0.374 χ^2/NDF : 751.8/29

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 73.278+/-1.236 χ^2 /NDF: 1198.6/16

Left Out: 31.820+/-0.673 χ^2 /NDF:1361.1/10

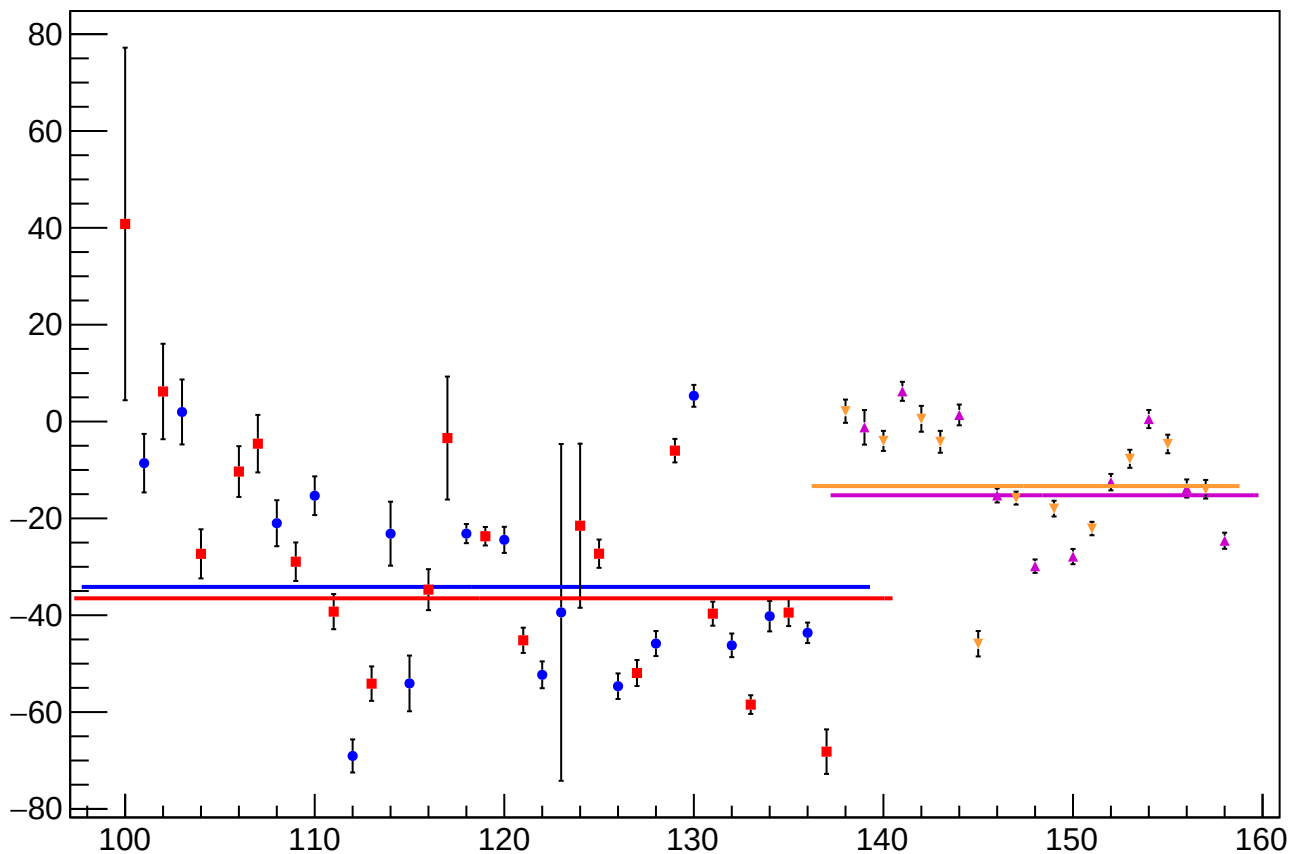
Right Out: 78.205+/-1.219 χ^2 /NDF: 1544.0/19

Left In: 35.530+/-0.662 χ^2 /NDF:883.2/9

41.296+/-0.591 χ^2 /NDF: 3427.0/27

45.237+/-0.581 χ^2 /NDF: 3373.7/29

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -34.153 ± 0.745 χ^2/NDF : 717.5/16

Left Out: -13.326 ± 0.561 χ^2/NDF : 339.7/10

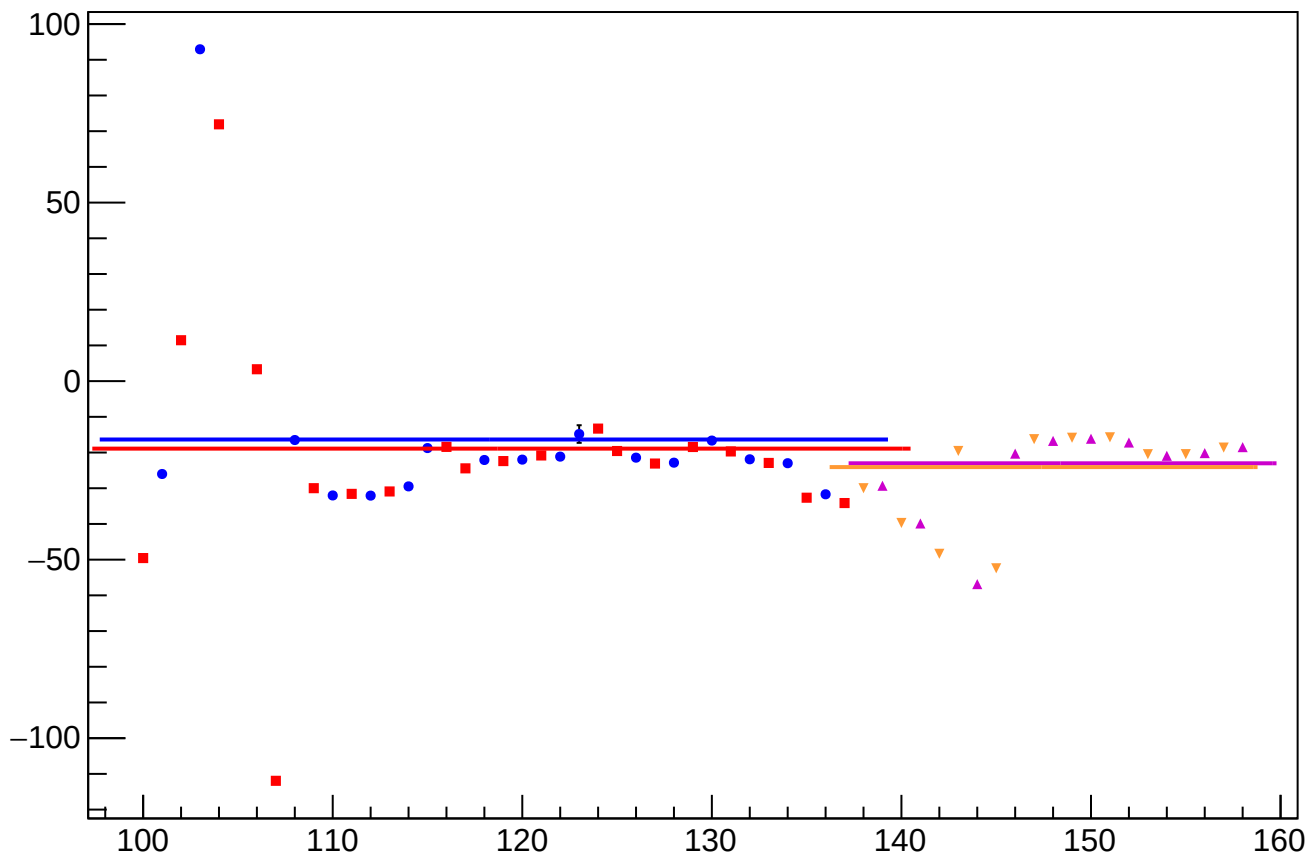
Right Out: -36.507 ± 0.735 χ^2/NDF : 553.8/19

Left In: -15.226 ± 0.557 χ^2/NDF : 475.9/9

-20.873 ± 0.448 χ^2/NDF : 1555.7/27

-22.991 ± 0.444 χ^2/NDF : 1562.9/29

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -16.349 ± 0.045 $\chi^2/\text{NDF}: 474192.3/16$

Left Out: -24.078 ± 0.027 $\chi^2/\text{NDF}: 167229.3/10$

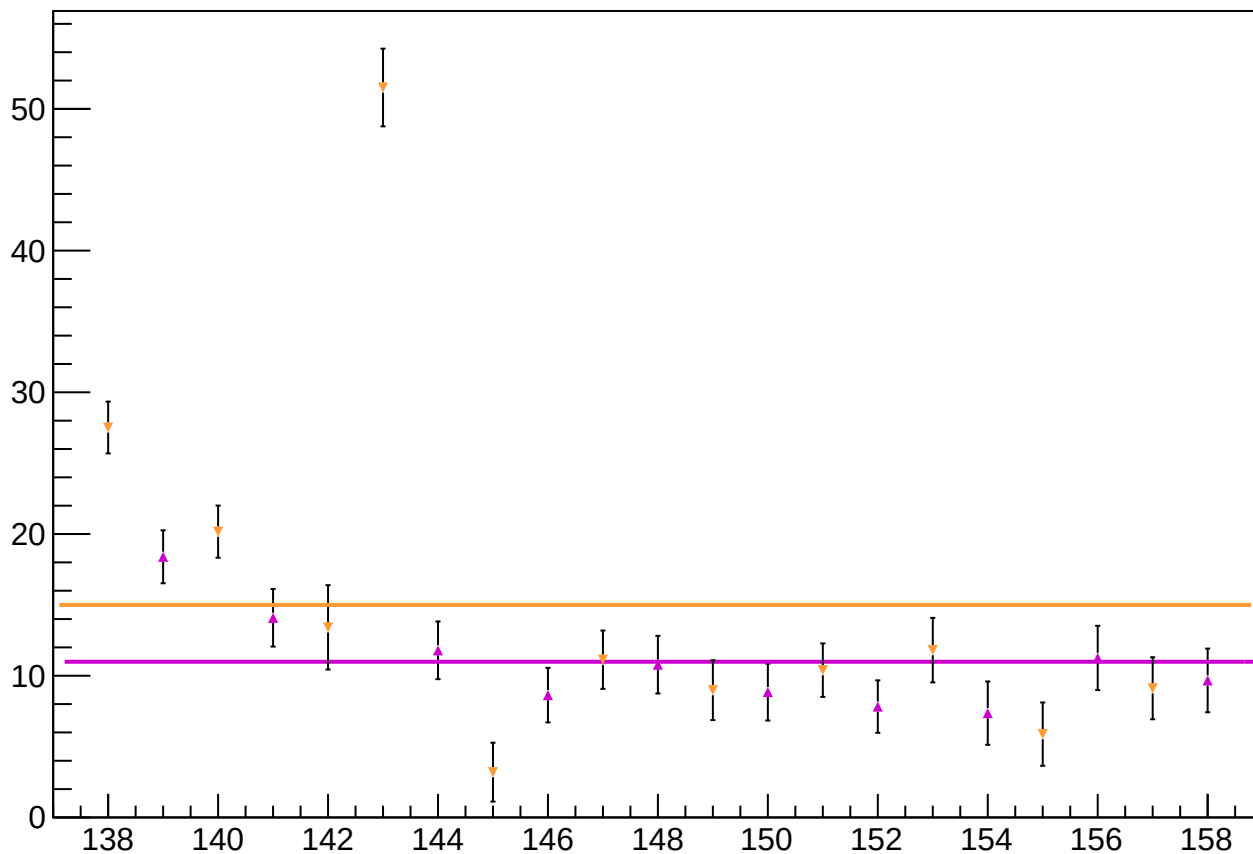
Right Out: -18.906 ± 0.045 $\chi^2/\text{NDF}: 433847.1/19$

Left In: -23.014 ± 0.026 $\chi^2/\text{NDF}: 143143.9/9$

-22.040 ± 0.023 $\chi^2/\text{NDF}: 663490.4/27$

-22.001 ± 0.022 $\chi^2/\text{NDF}: 583210.9/29$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



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

Left Out: 14.997+/-0.643 χ^2/NDF : 308.3/10

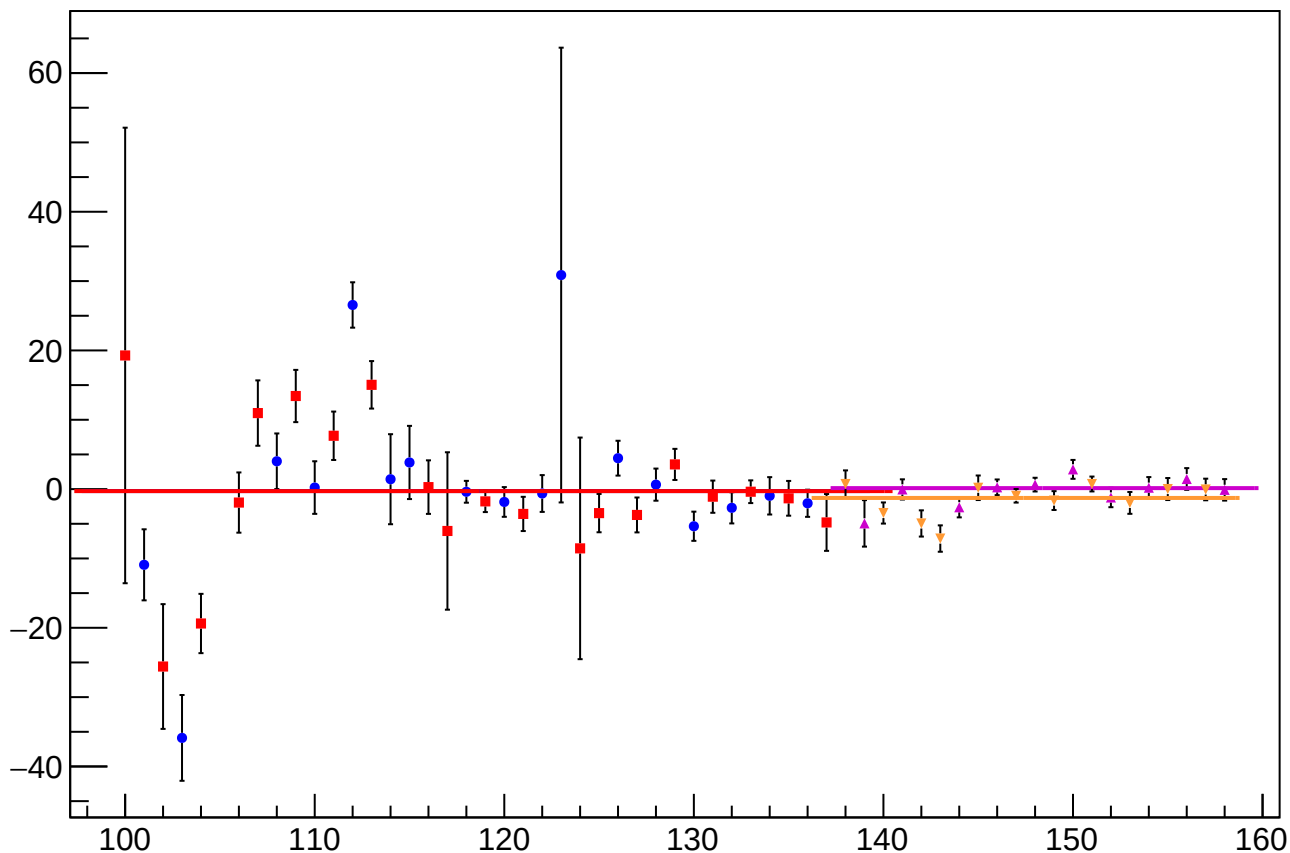
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 10.985+/-0.644 χ^2/NDF : 26.7/9

14.997+/-0.643 χ^2/NDF : 308.3/10

10.985+/-0.644 χ^2/NDF : 26.7/9

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -0.280 $\pm$ 0.662 χ^2/NDF : 119.5/16

Left Out: -1.274 $\pm$ 0.437 χ^2/NDF : 22.2/10

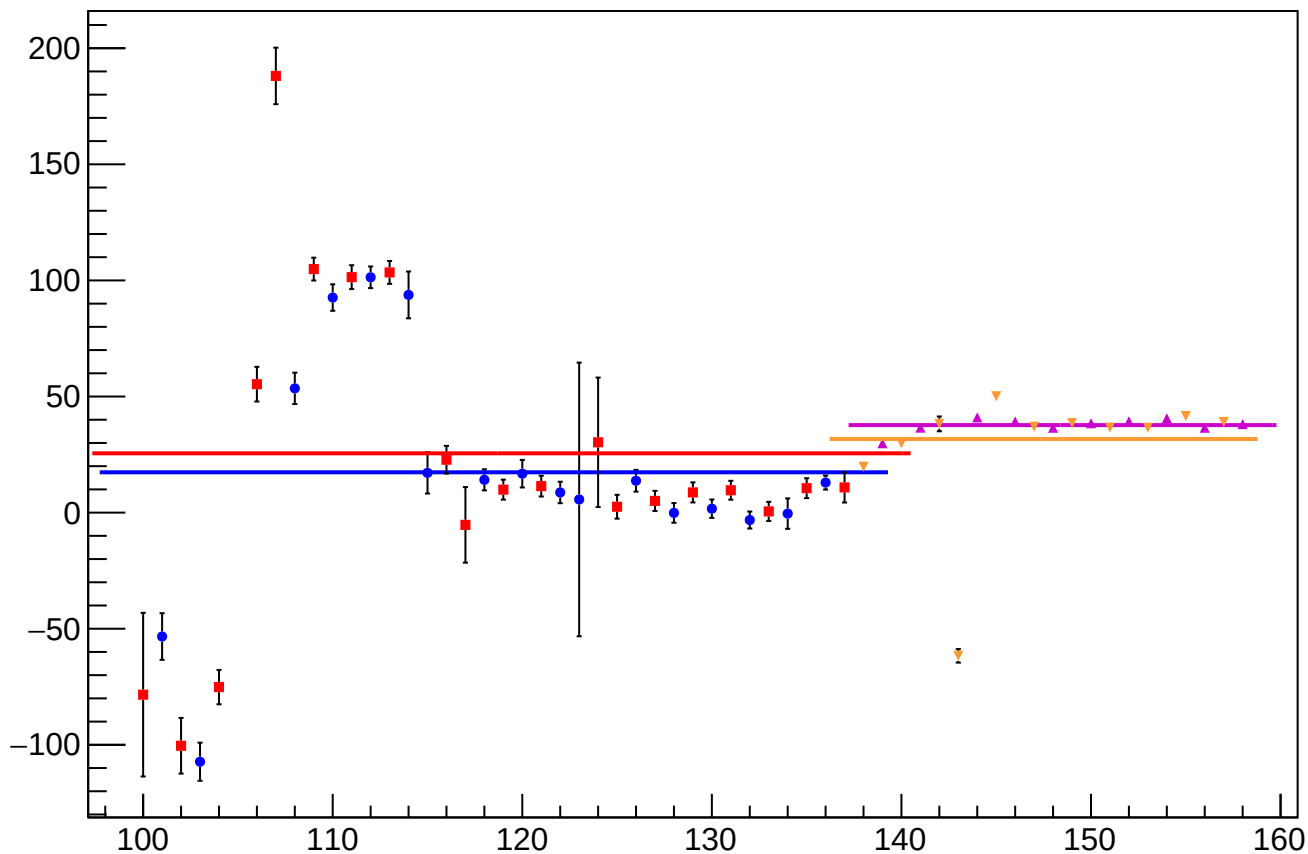
Right Out: -0.289 $\pm$ 0.655 χ^2/NDF : 83.4/19

Left In: 0.143 $\pm$ 0.441 χ^2/NDF : 11.8/9

-0.973 $\pm$ 0.365 χ^2/NDF : 143.3/27

0.008 $\pm$ 0.366 χ^2/NDF : 95.5/29

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 17.361+/-1.247 χ^2/NDF : 943.0/16

Left Out: 31.690+/-0.636 χ^2/NDF : 1199.0/10

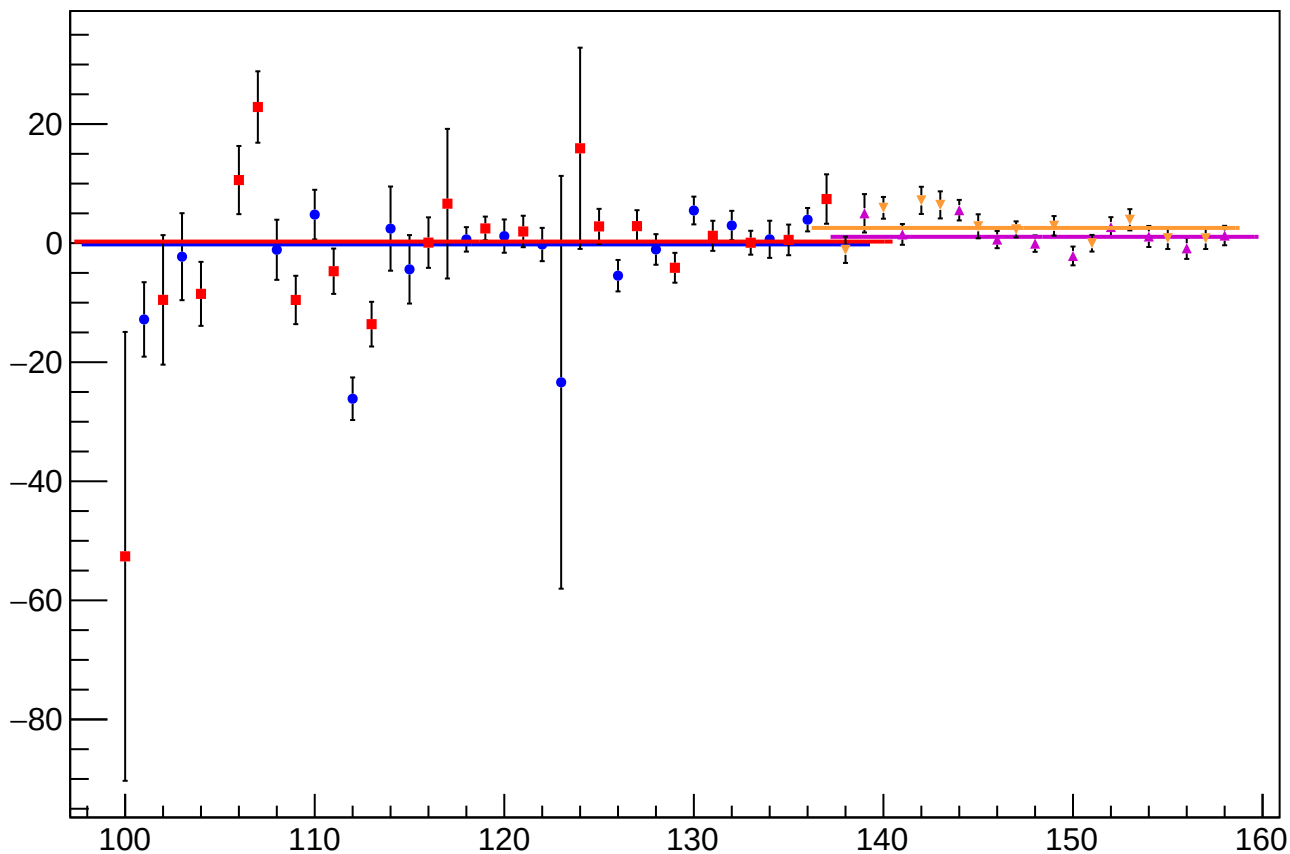
Right Out: 25.537+/-1.239 χ^2/NDF : 1382.4/19

Left In: 37.692+/-0.629 χ^2/NDF : 21.9/9

28.735+/-0.566 χ^2/NDF : 2246.9/27

35.205+/-0.561 χ^2/NDF : 1480.9/29

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -0.211 ± 0.752 χ^2/NDF : 75.9/16

Left Out: 2.556 ± 0.534 χ^2/NDF : 19.1/10

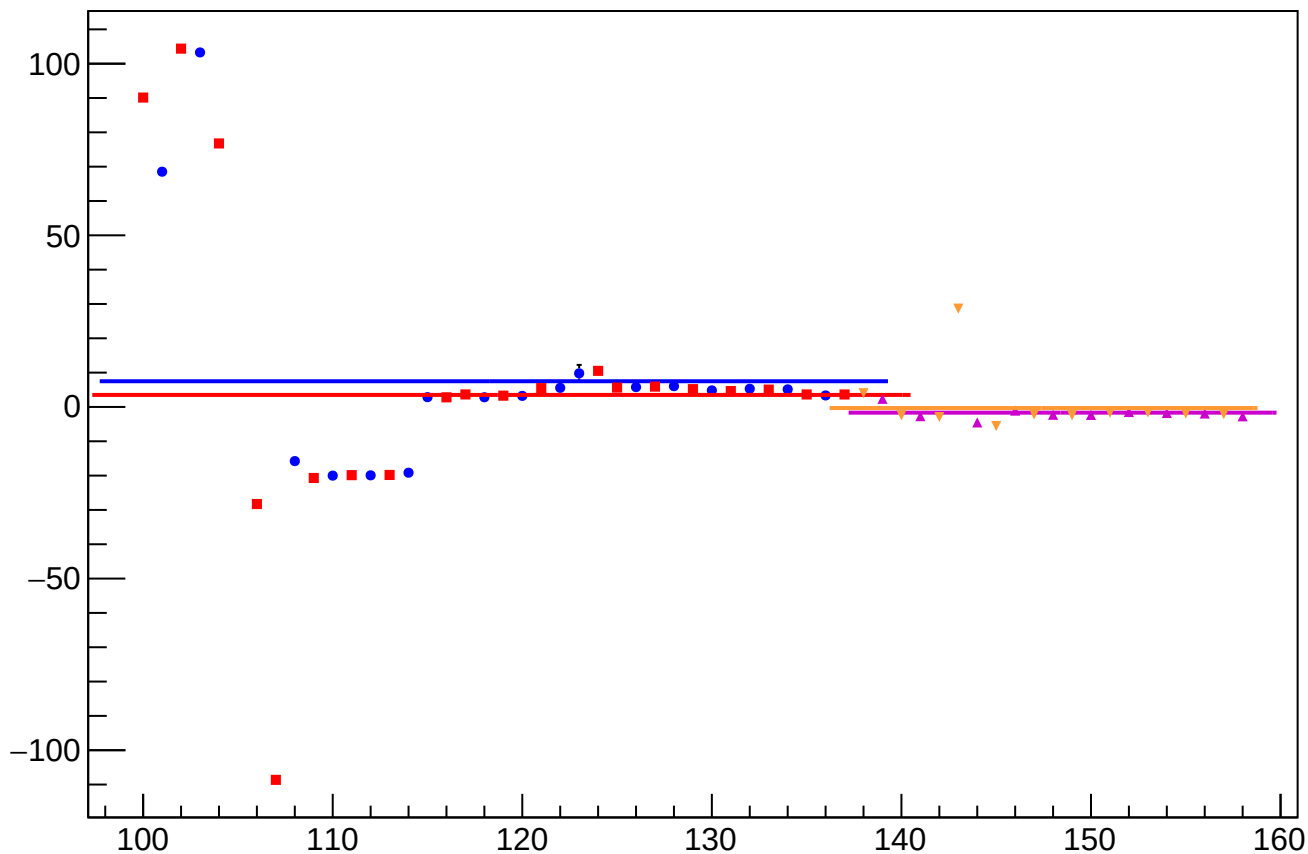
Right Out: 0.262 ± 0.747 χ^2/NDF : 54.8/19

Left In: 1.061 ± 0.532 χ^2/NDF : 15.4/9

1.627 ± 0.436 χ^2/NDF : 104.0/27

0.792 ± 0.433 χ^2/NDF : 70.9/29

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 7.492 $\pm$ 0.045 χ^2 /NDF: 355979.0/16

Left Out: -0.316 $\pm$ 0.025 χ^2 /NDF: 71883.7/10

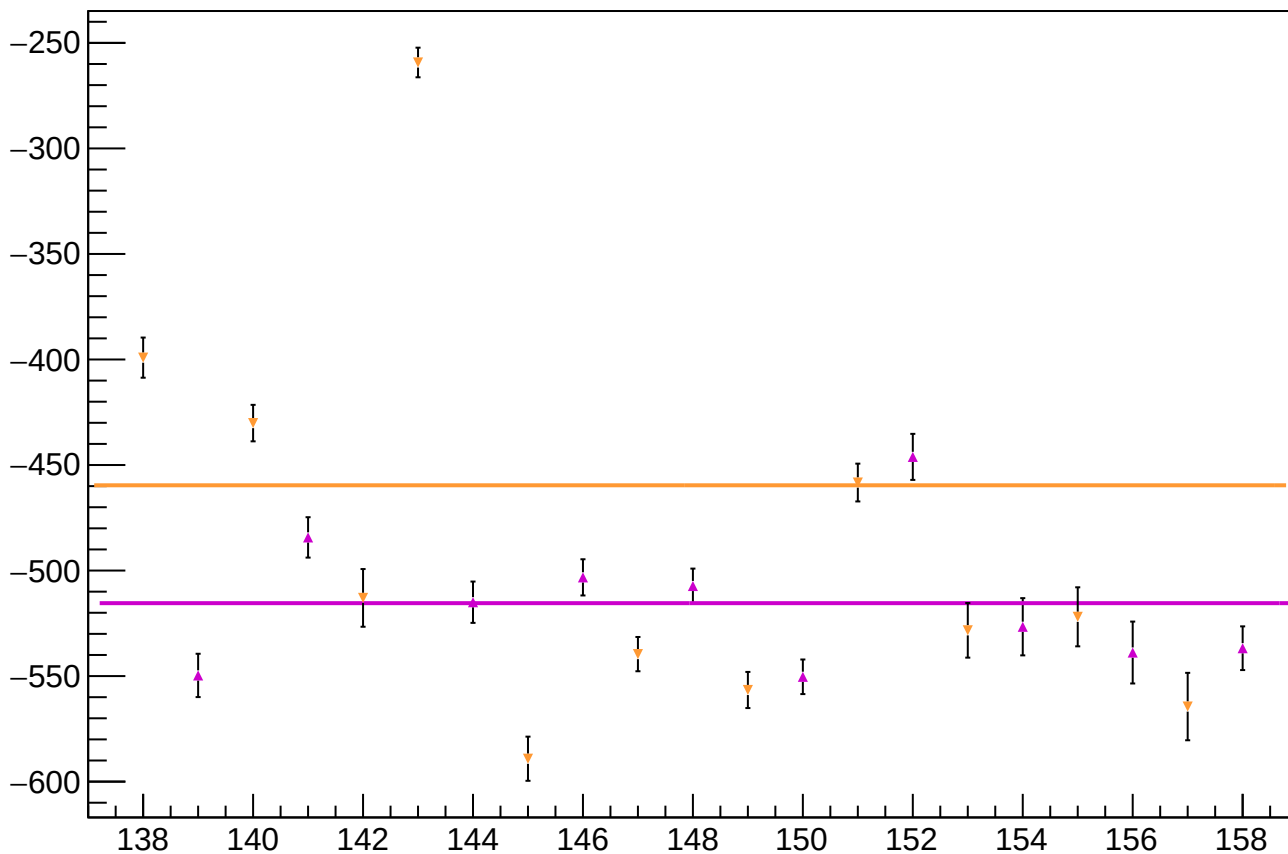
Right Out: 3.504 $\pm$ 0.046 χ^2 /NDF: 510579.5/19

Left In: -1.662 $\pm$ 0.025 χ^2 /NDF: 4634.0/9

1.559 $\pm$ 0.022 χ^2 /NDF: 451115.2/27

-0.499 $\pm$ 0.022 χ^2 /NDF: 525186.7/29

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -459.604+/-2.942 χ^2/NDF :1352.0/10

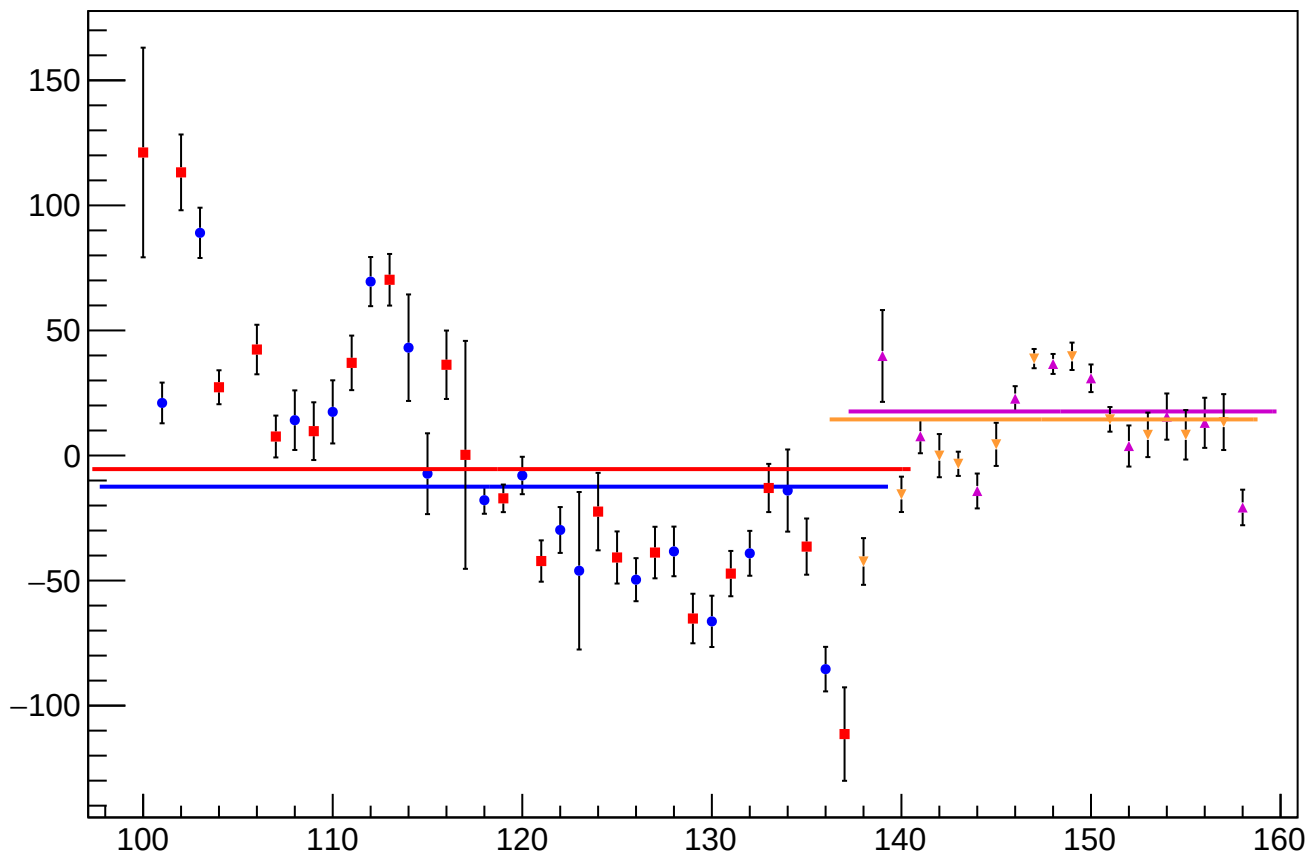
-459.604+/-2.942 χ^2/NDF : 1352.0/10

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

Left In: -515.450+/-3.133 χ^2/NDF :90.7/9

-515.450+/-3.133 χ^2/NDF : 90.7/9

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: -12.458 ± 2.349 χ^2/NDF : 341.1/16

Left Out: 14.431 ± 1.910 χ^2/NDF : 134.6/10

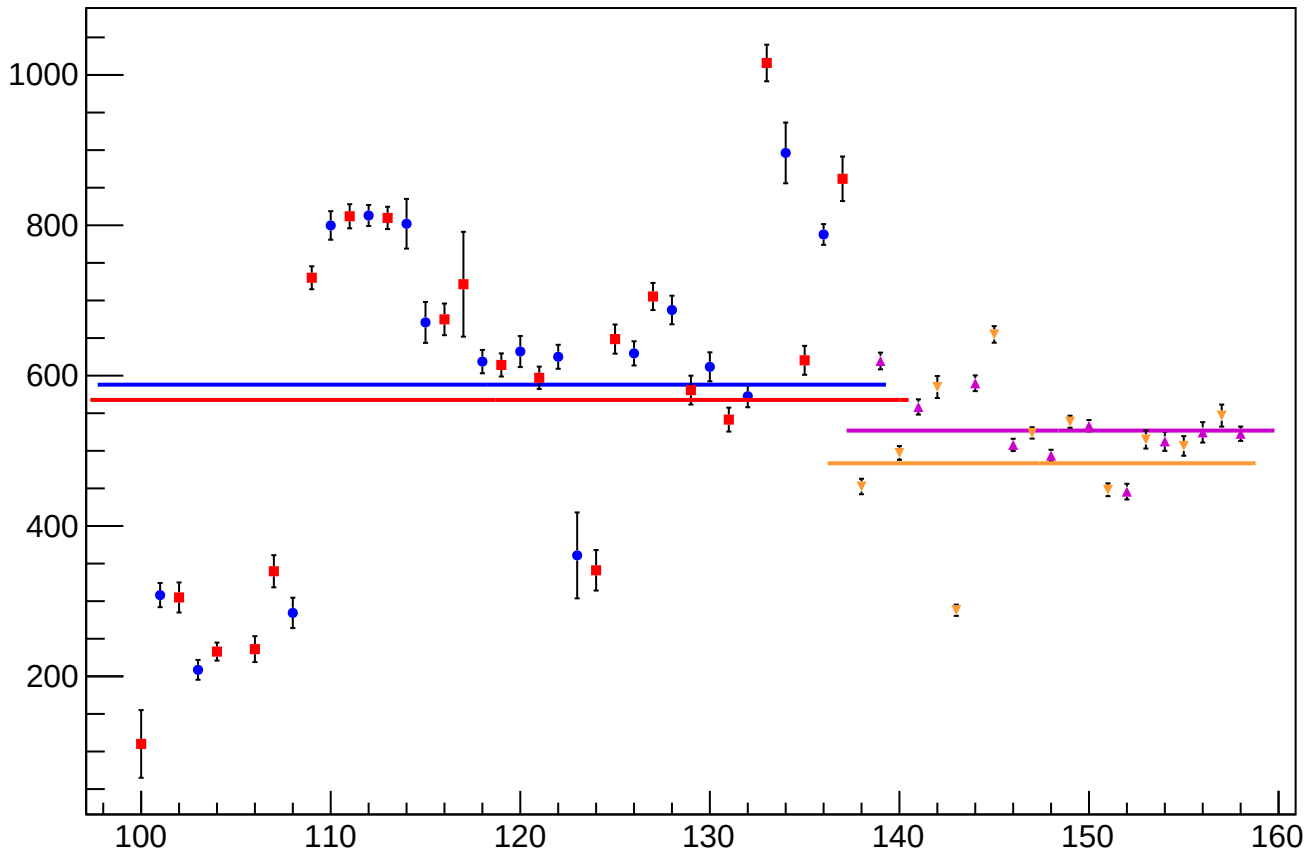
Right Out: -5.439 ± 2.256 χ^2/NDF : 345.0/19

Left In: 17.611 ± 2.053 χ^2/NDF : 86.1/9

3.724 ± 1.482 χ^2/NDF : 554.6/27

7.171 ± 1.518 χ^2/NDF : 488.2/29

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 587.994±/-4.353 χ^2/NDF : 2129.6/16

Left Out: 483.434±/-2.934 χ^2/NDF :1104.4/10

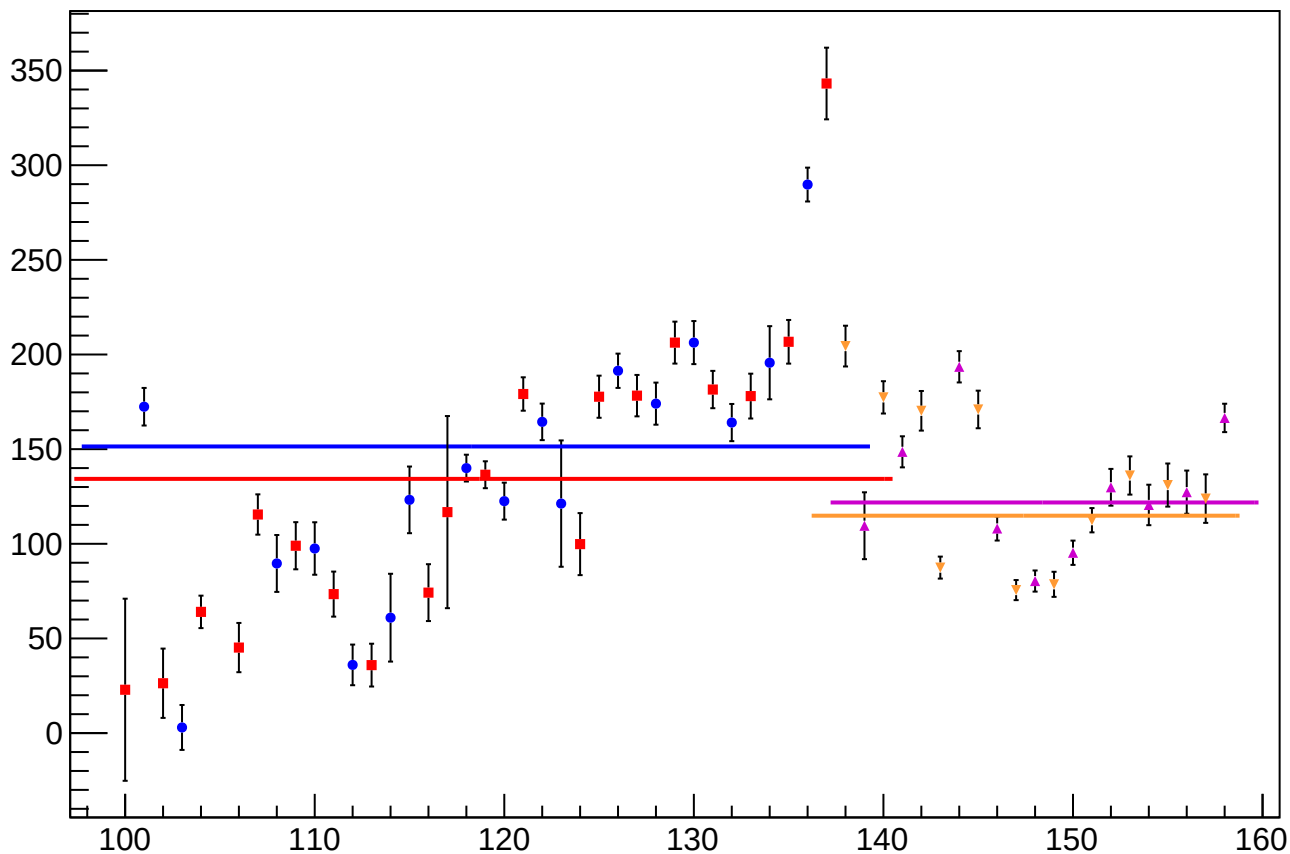
Right Out: 567.720±/-4.129 χ^2/NDF : 2788.1/19

Left In: 526.916±/-3.051 χ^2/NDF :201.5/9

516.103±/-2.433 χ^2/NDF : 3630.8/27

541.331±/-2.454 χ^2/NDF : 3052.8/29

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 151.421 $\pm$ 2.709 χ^2/NDF : 633.3/16

Left Out: 114.851 $\pm$ 2.373 χ^2/NDF : 297.1/10

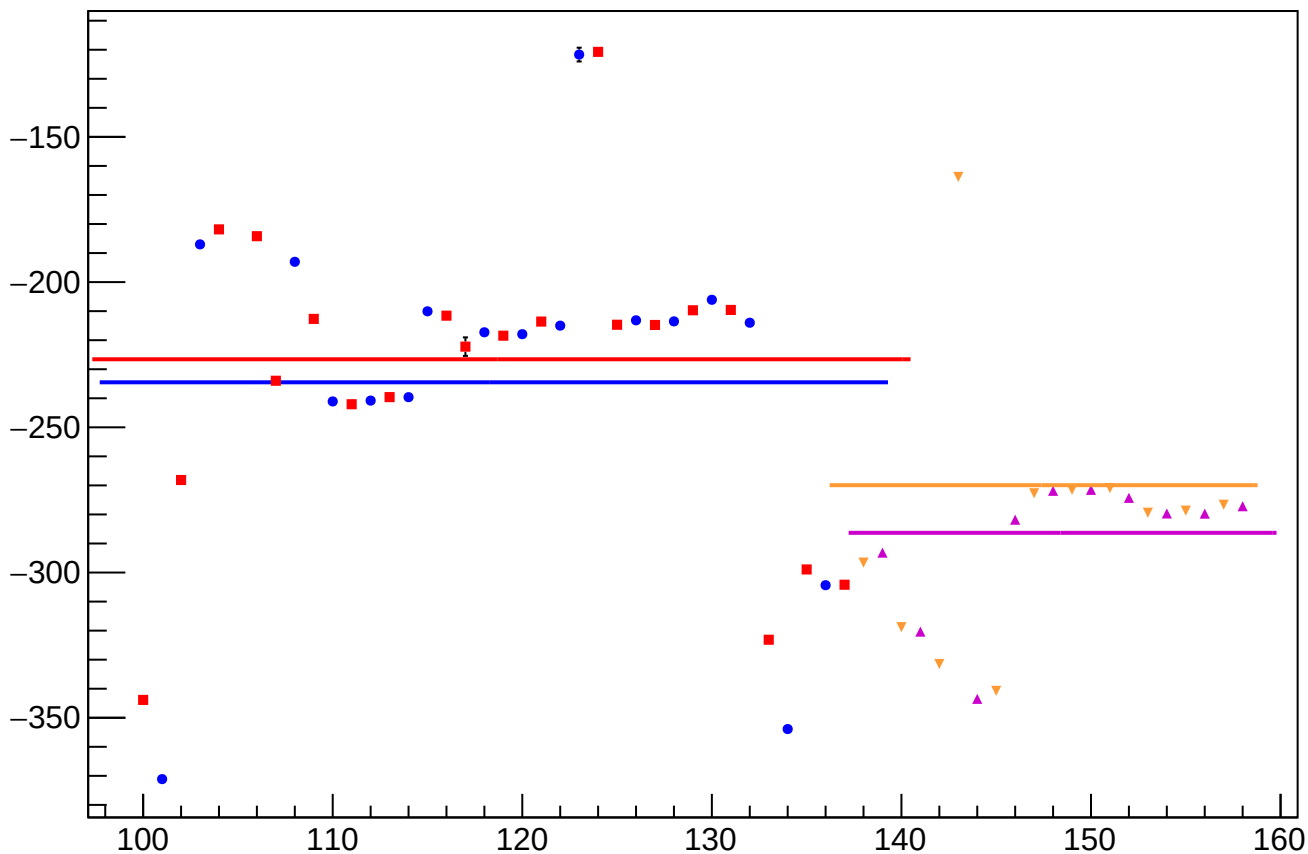
Right Out: 134.299 $\pm$ 2.612 χ^2/NDF : 585.0/19

Left In: 121.831 $\pm$ 2.511 χ^2/NDF : 199.7/9

130.731 $\pm$ 1.785 χ^2/NDF : 1033.5/27

127.820 $\pm$ 1.810 χ^2/NDF : 796.6/29

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -234.501+/-0.149 χ^2/NDF : 145046.5/16

Left Out: -269.924+/-0.120 χ^2/NDF : 182237.6/10

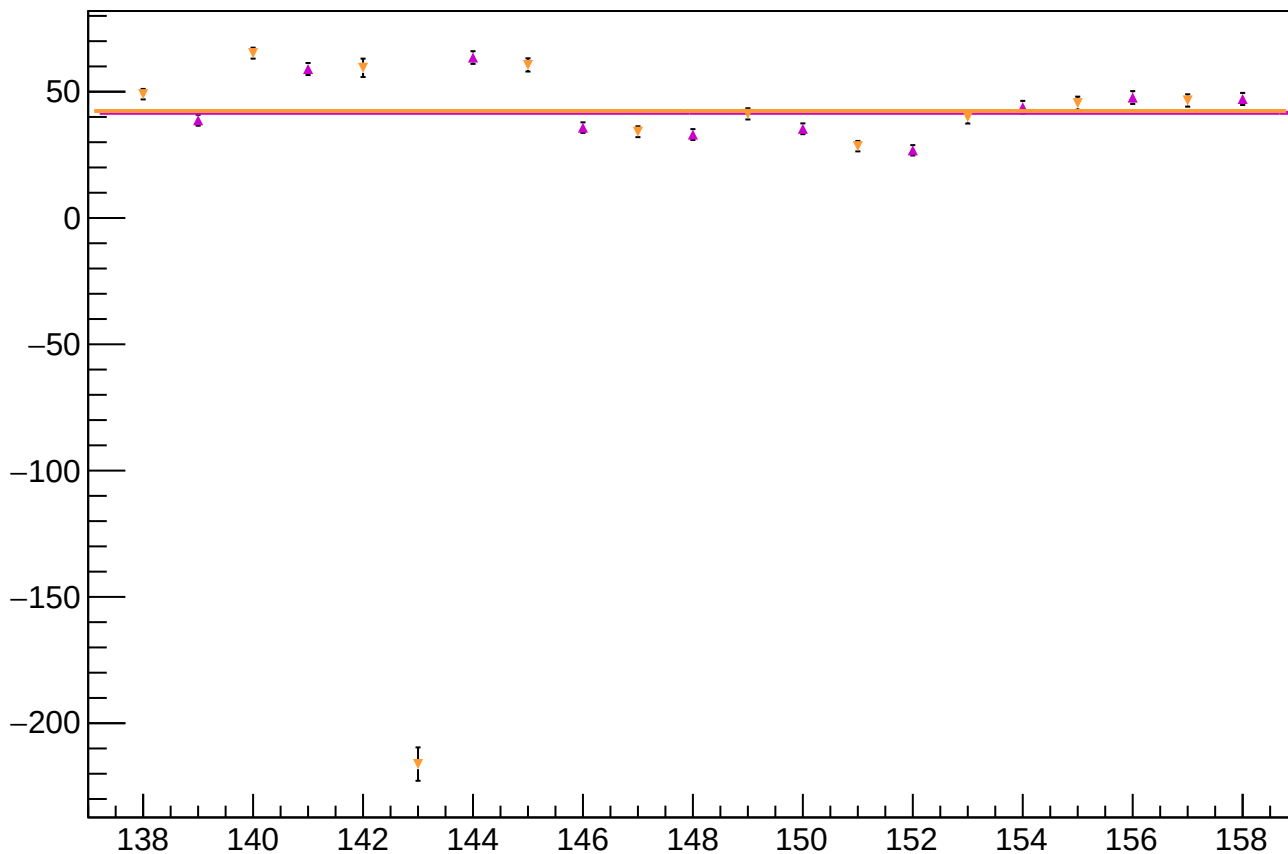
Right Out: -226.572+/-0.141 χ^2/NDF : 98970.7/19

Left In: -286.325+/-0.122 χ^2/NDF : 28820.5/9

-255.943+/-0.094 χ^2/NDF : 361482.2/27

-260.768+/-0.092 χ^2/NDF : 230174.4/29

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 42.346+/-0.743 χ^2/NDF :1786.6/10

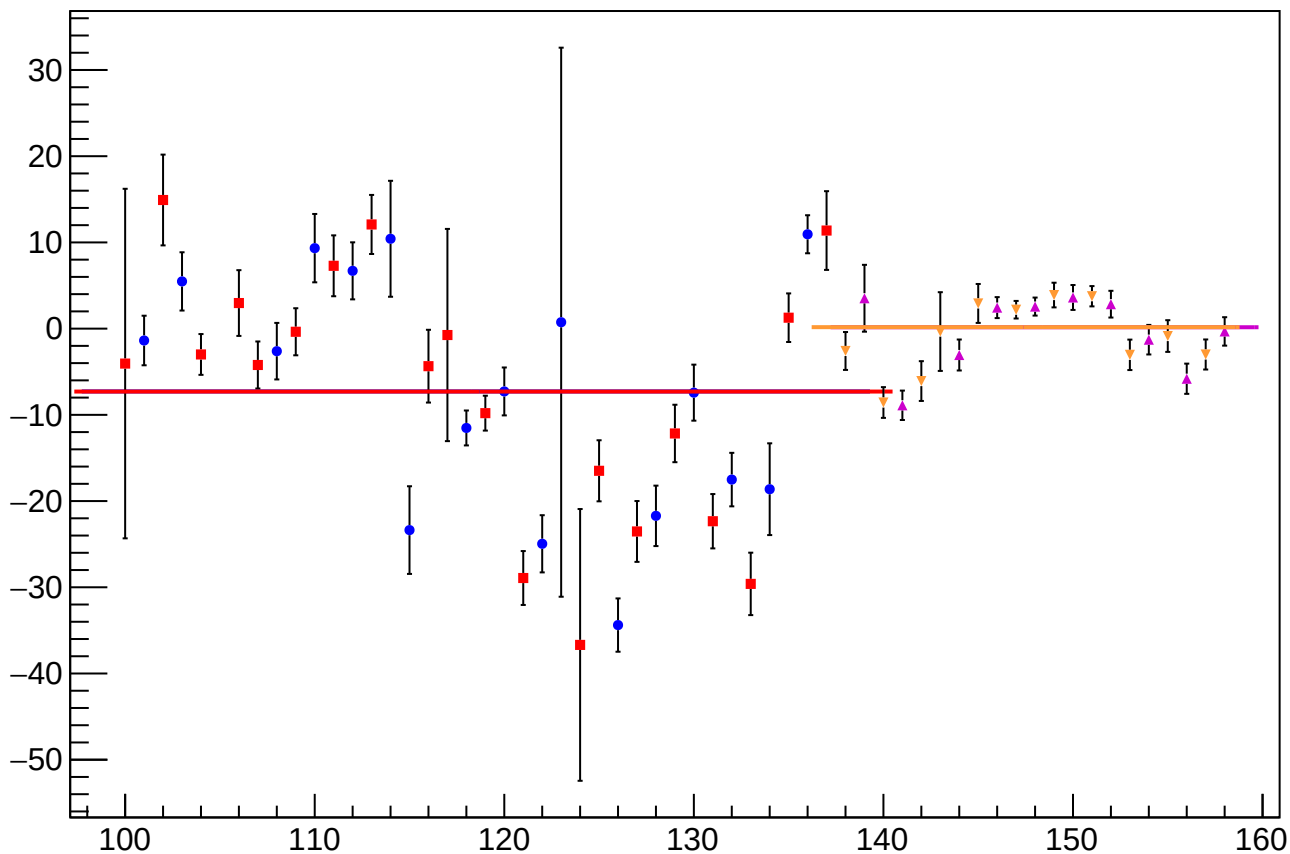
42.346+/-0.743 χ^2/NDF : 1786.6/10

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

41.644+/-0.718 χ^2/NDF : 227.6/9

Left In: 41.644+/-0.718 χ^2/NDF :227.6/9

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -7.284 ± 0.789 χ^2/NDF : 283.2/16

Left Out: 0.170 ± 0.496 χ^2/NDF : 61.4/10

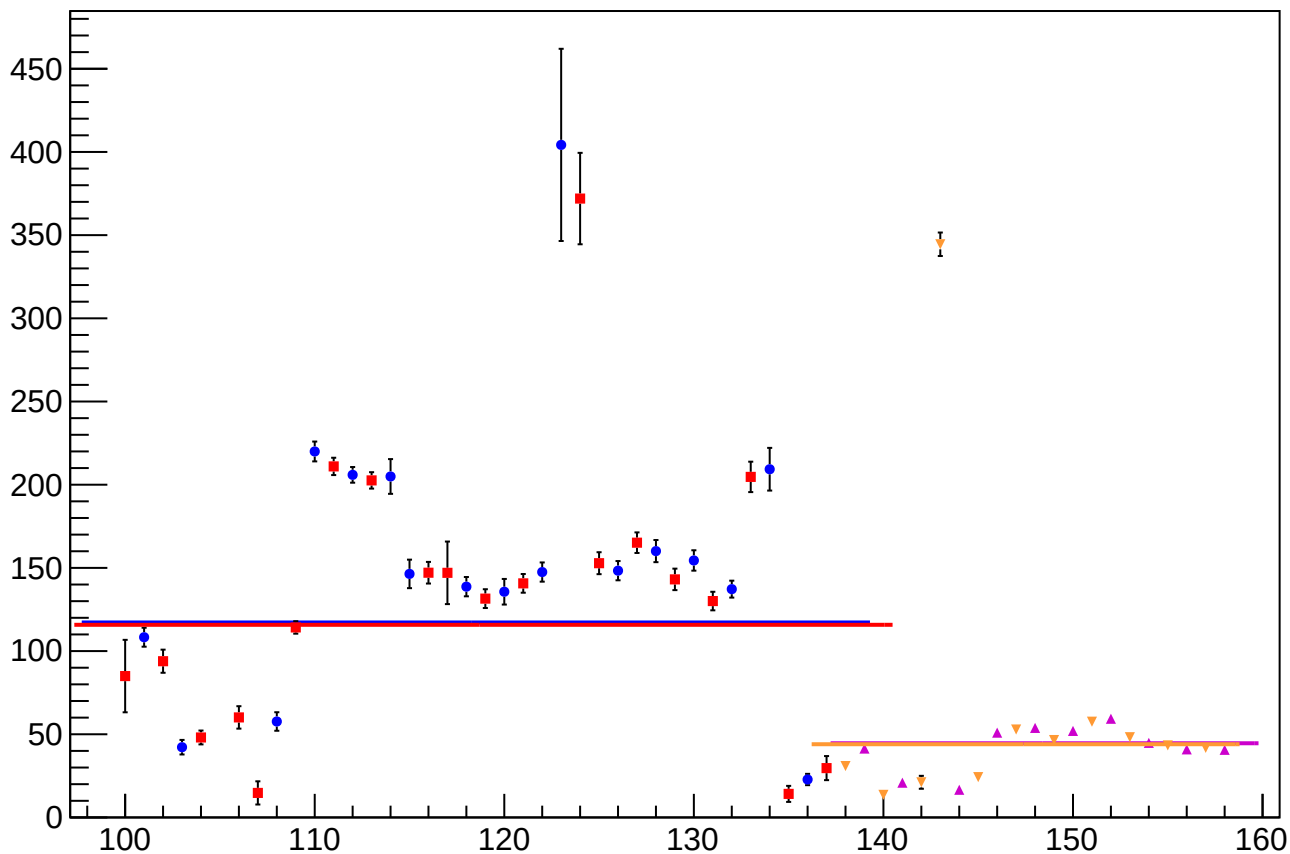
Right Out: -7.298 ± 0.759 χ^2/NDF : 255.6/19

Left In: 0.161 ± 0.486 χ^2/NDF : 62.0/9

-1.940 ± 0.420 χ^2/NDF : 408.6/27

-2.004 ± 0.409 χ^2/NDF : 386.1/29

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 117.187 ± 1.416 χ^2/NDF : 2161.0/16

Left Out: 44.010 ± 0.728 χ^2/NDF : 2179.8/10

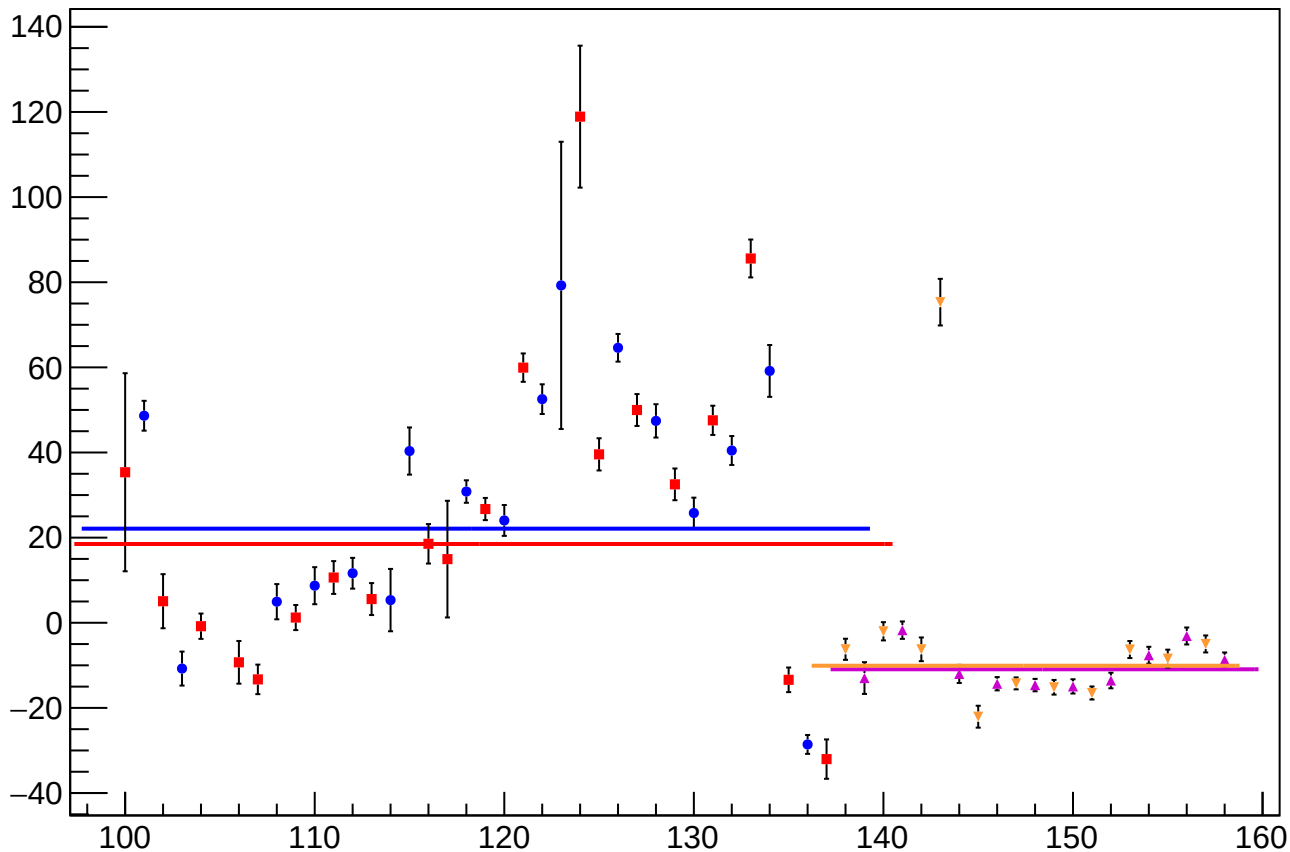
Right Out: 115.795 ± 1.357 χ^2/NDF : 2140.4/19

Left In: 44.595 ± 0.698 χ^2/NDF : 304.7/9

59.300 ± 0.647 χ^2/NDF : 6452.4/27

59.472 ± 0.621 χ^2/NDF : 4621.3/29

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 22.110 $\pm$ 0.898 χ^2 /NDF: 1070.3/16

Left Out: -10.093 $\pm$ 0.610 χ^2 /NDF: 329.2/10

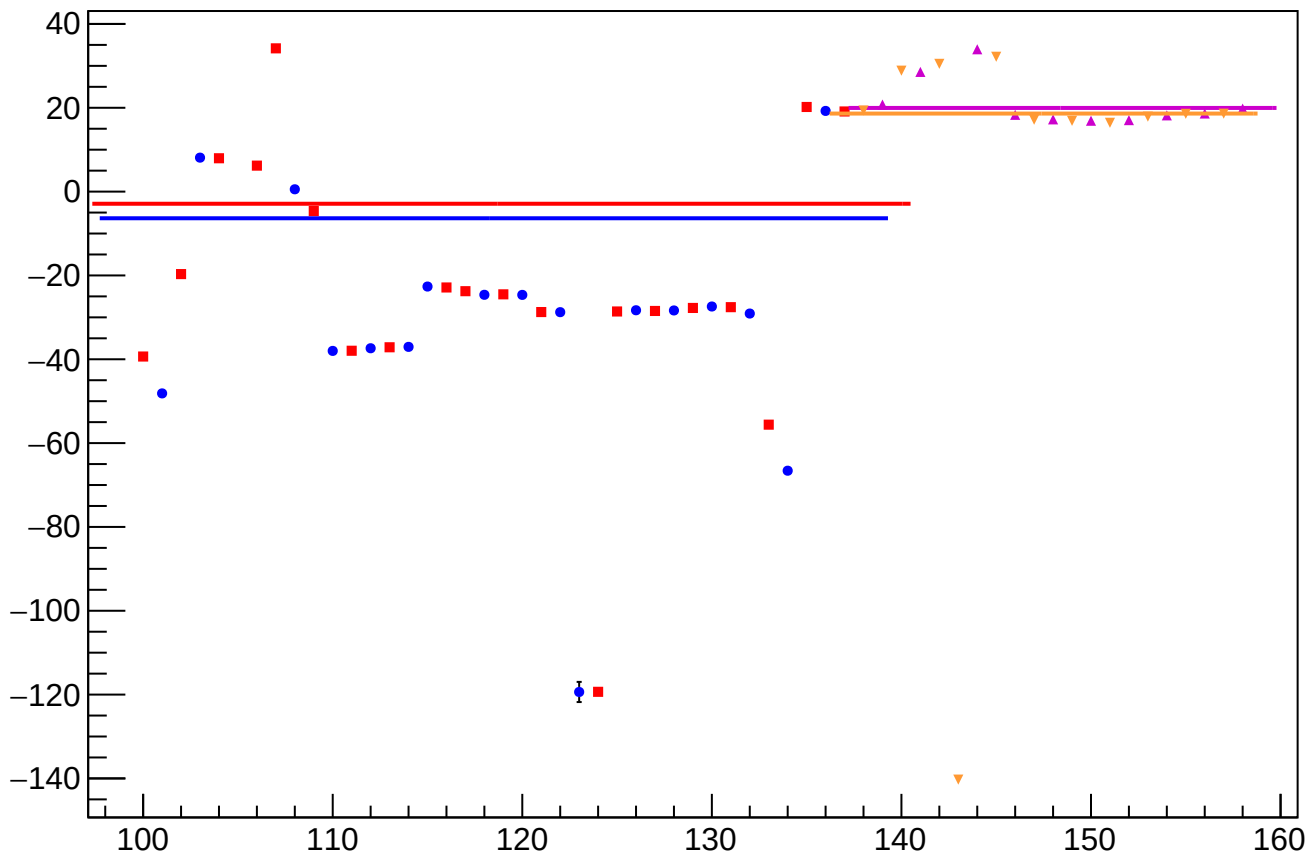
Right Out: 18.506 $\pm$ 0.869 χ^2 /NDF: 1068.6/19

Left In: -10.930 $\pm$ 0.587 χ^2 /NDF: 59.6/9

0.076 $\pm$ 0.505 χ^2 /NDF: 2279.1/27

-1.720 $\pm$ 0.486 χ^2 /NDF: 1915.9/29

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -6.360+/-0.046 χ^2/NDF : 264750.9/16

Left Out: 18.619+/-0.029 χ^2/NDF :348554.0/10

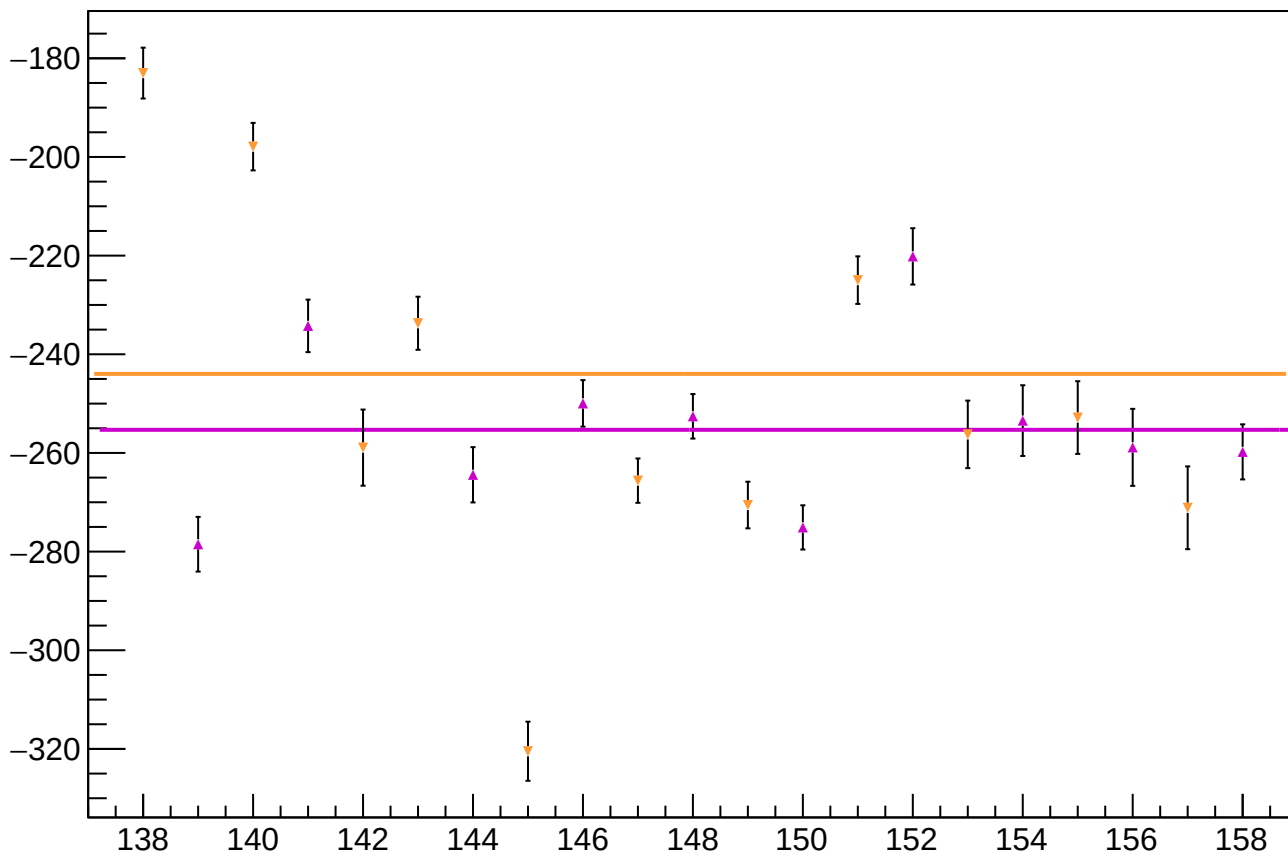
Right Out: -2.896+/-0.046 χ^2/NDF : 266162.6/19

Left In: 19.962+/-0.027 χ^2/NDF :26106.9/9

11.626+/-0.025 χ^2/NDF : 822758.7/27

13.951+/-0.023 χ^2/NDF : 476806.5/29

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -243.973+/-1.687 χ^2/NDF : 487.5/10

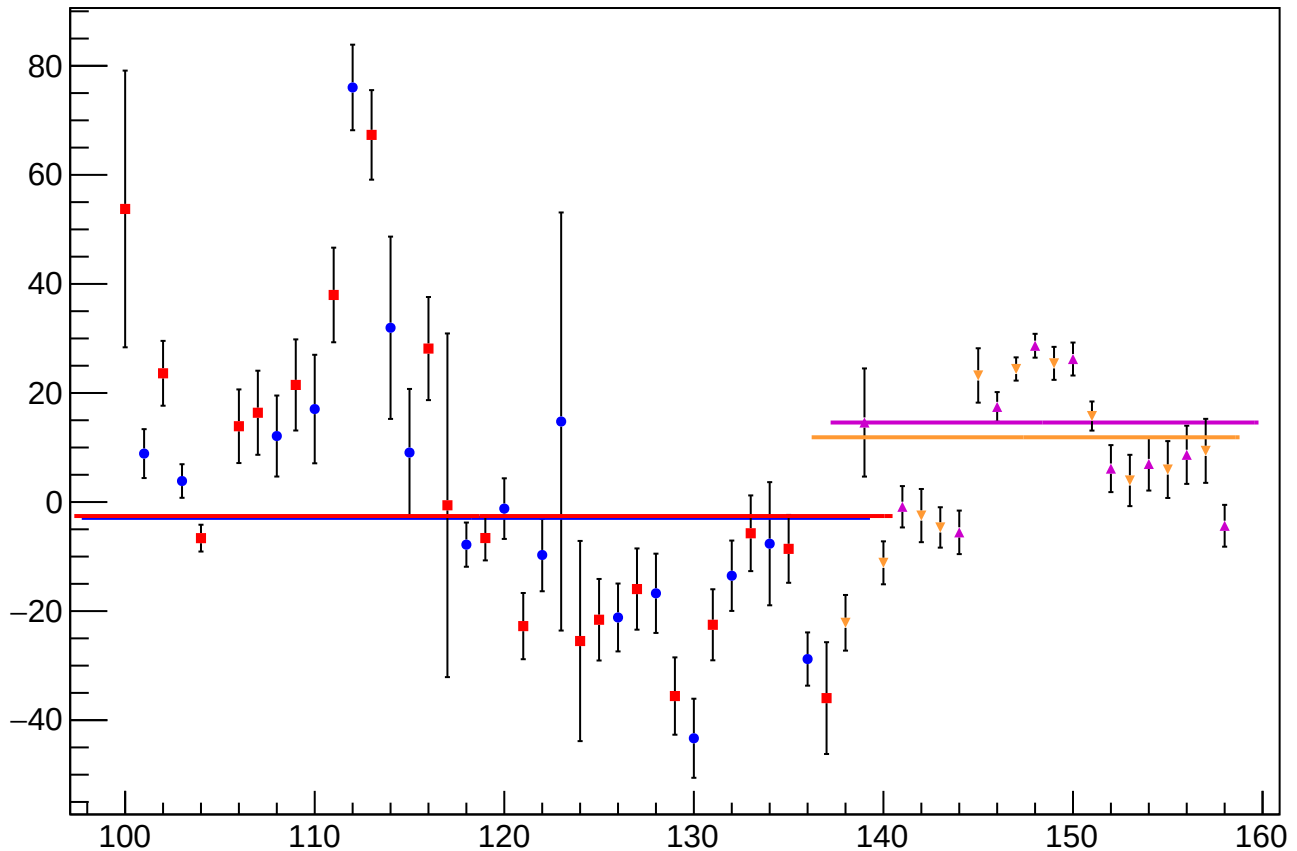
-243.973+/-1.687 χ^2/NDF : 487.5/10

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

-255.312+/-1.710 χ^2/NDF : 95.7/9

Left In: -255.312+/-1.710 χ^2/NDF : 95.7/9

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: -2.901 ± 1.467 χ^2/NDF : 203.6/16

Left Out: 11.877 ± 1.092 χ^2/NDF : 173.4/10

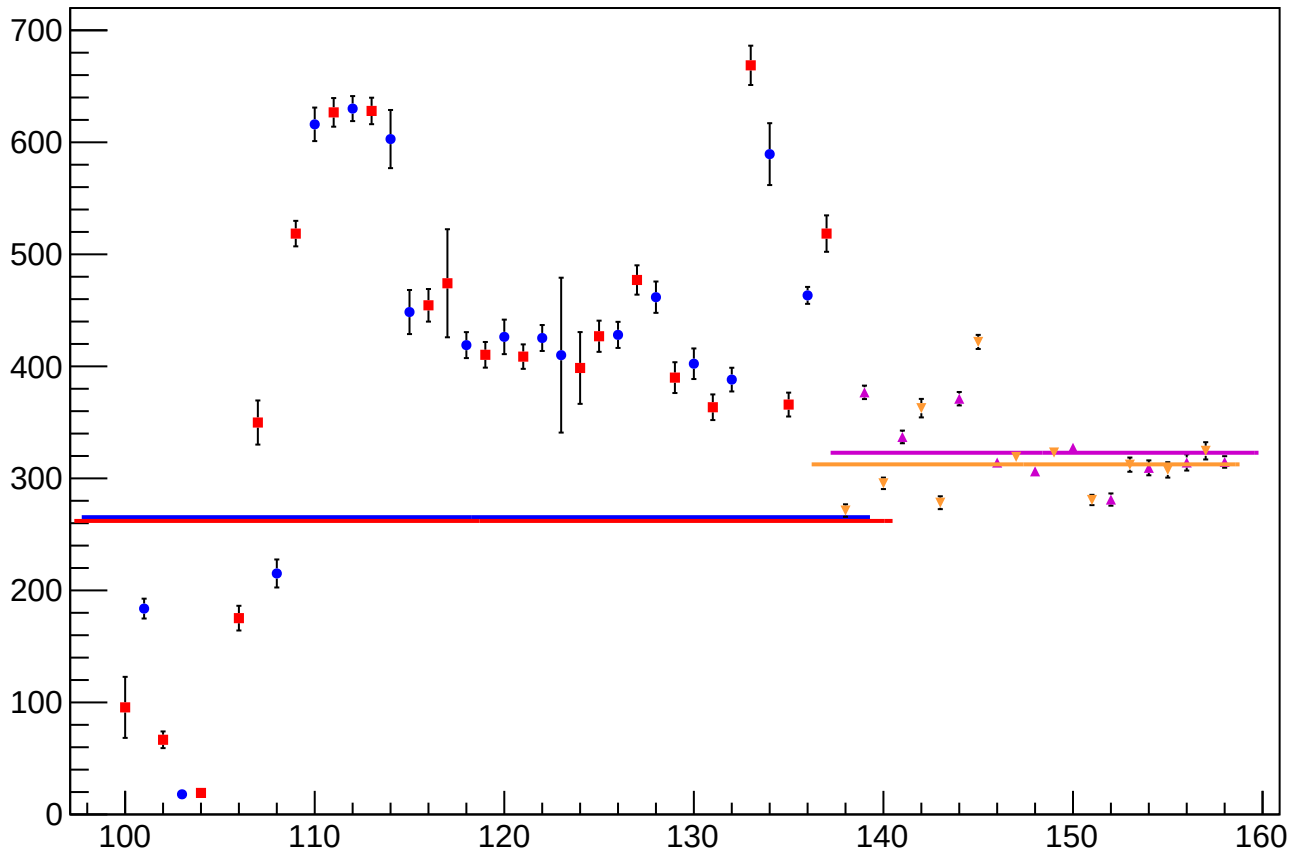
Right Out: -2.566 ± 1.395 χ^2/NDF : 218.2/19

Left In: 14.584 ± 1.121 χ^2/NDF : 131.4/9

6.611 ± 0.876 χ^2/NDF : 442.3/27

7.852 ± 0.874 χ^2/NDF : 441.4/29

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 265.369 ± 2.488 $\chi^2/\text{NDF}: 7633.8/16$

Left Out: 312.517 ± 1.670 $\chi^2/\text{NDF}: 498.5/10$

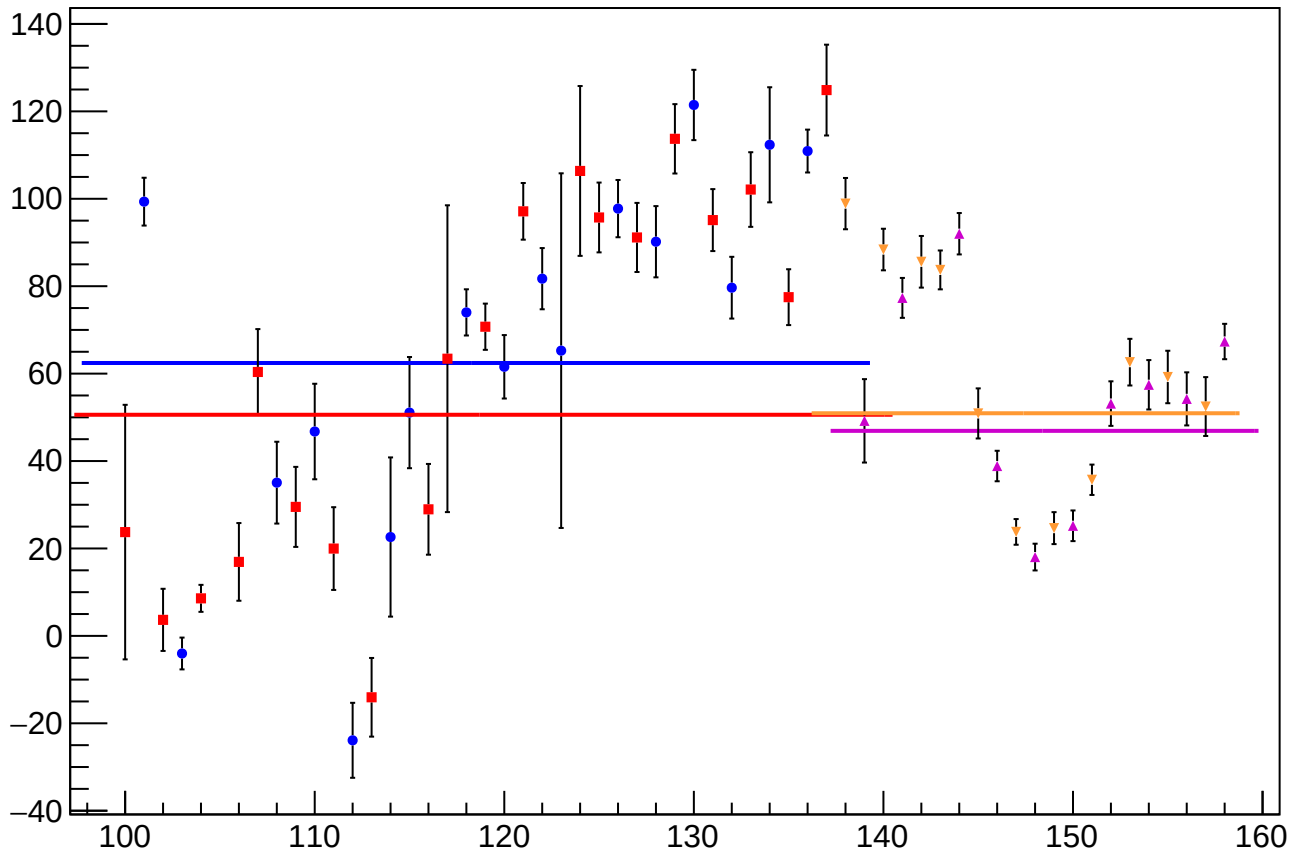
Right Out: 262.016 ± 2.455 $\chi^2/\text{NDF}: 8223.7/19$

Left In: 322.872 ± 1.663 $\chi^2/\text{NDF}: 238.1/9$

297.869 ± 1.387 $\chi^2/\text{NDF}: 8379.8/27$

303.724 ± 1.377 $\chi^2/\text{NDF}: 8883.0/29$

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 62.434 ± 1.694 $\chi^2/\text{NDF}: 721.8/16$

Left Out: 50.934 ± 1.359 $\chi^2/\text{NDF}: 380.6/10$

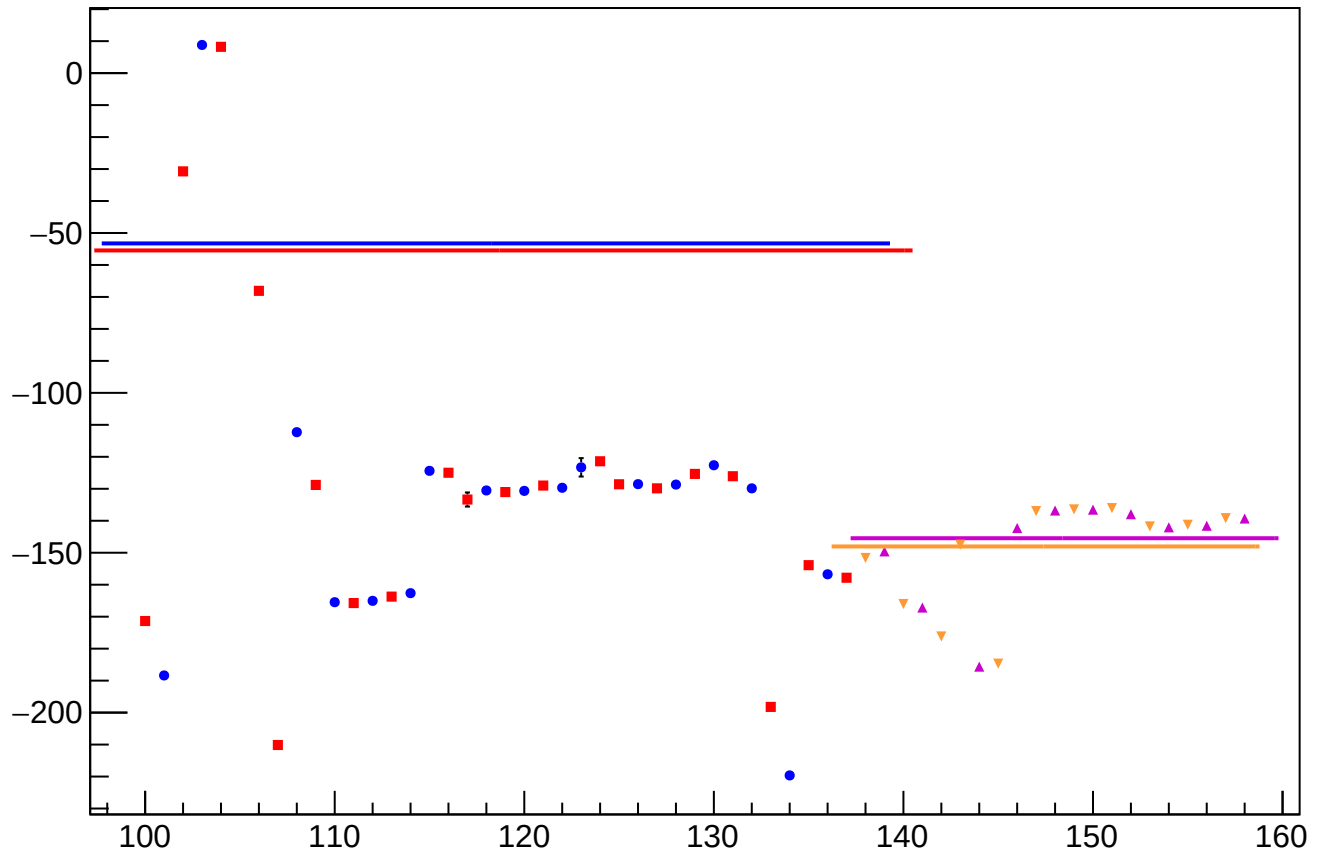
Right Out: 50.588 ± 1.640 $\chi^2/\text{NDF}: 657.5/19$

Left In: 46.906 ± 1.371 $\chi^2/\text{NDF}: 299.8/9$

55.438 ± 1.060 $\chi^2/\text{NDF}: 1130.4/27$

48.421 ± 1.052 $\chi^2/\text{NDF}: 960.3/29$

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -53.264 $\pm$ 0.070 χ^2 /NDF: 1225492.9/16

Left Out: -148.041 $\pm$ 0.068 χ^2 /NDF: 48761.6/10

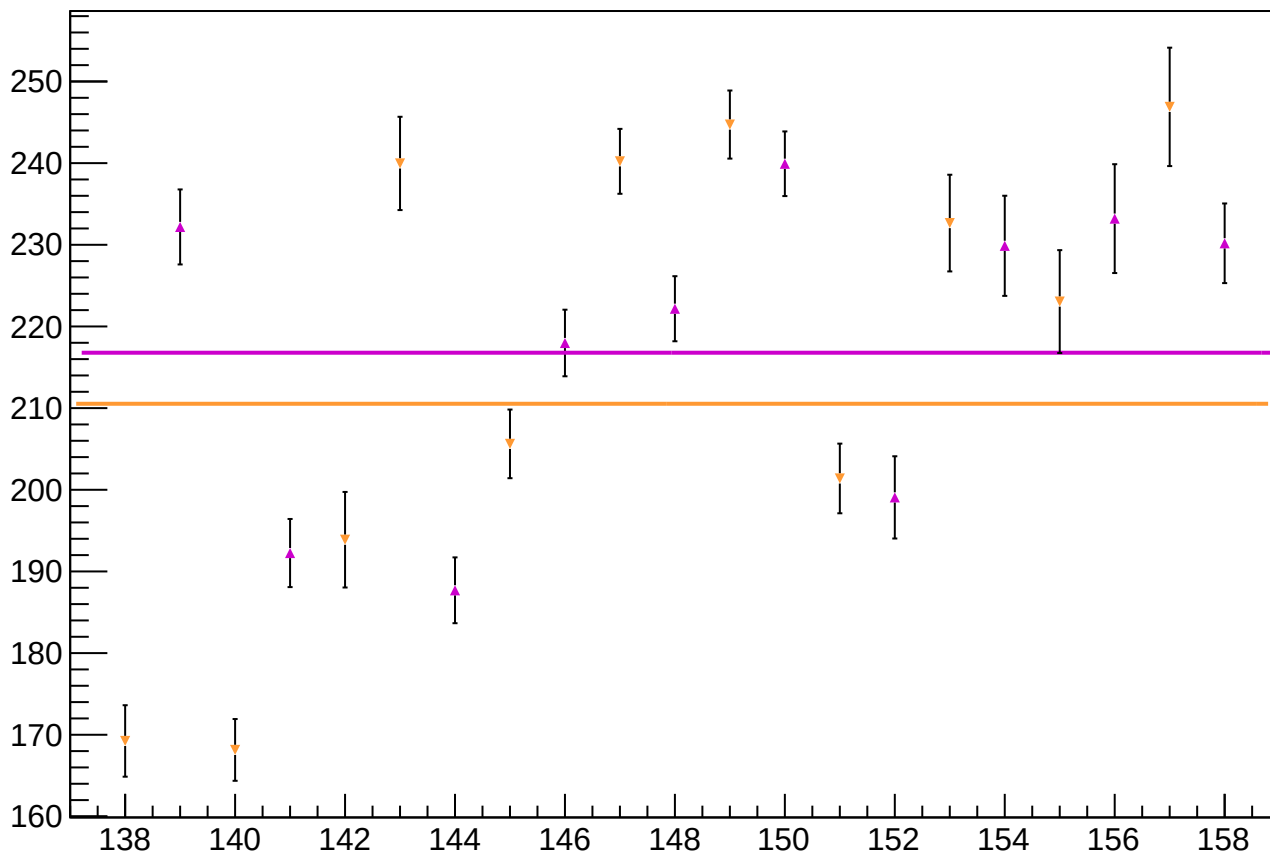
Right Out: -55.455 $\pm$ 0.072 χ^2 /NDF: 968274.5/19

Left In: -145.465 $\pm$ 0.066 χ^2 /NDF: 40543.0/9

-102.018 $\pm$ 0.049 χ^2 /NDF: 2206269.3/27

-104.054 $\pm$ 0.049 χ^2 /NDF: 1854687.1/29

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 210.533+/-1.433 χ^2/NDF : 421.3/10

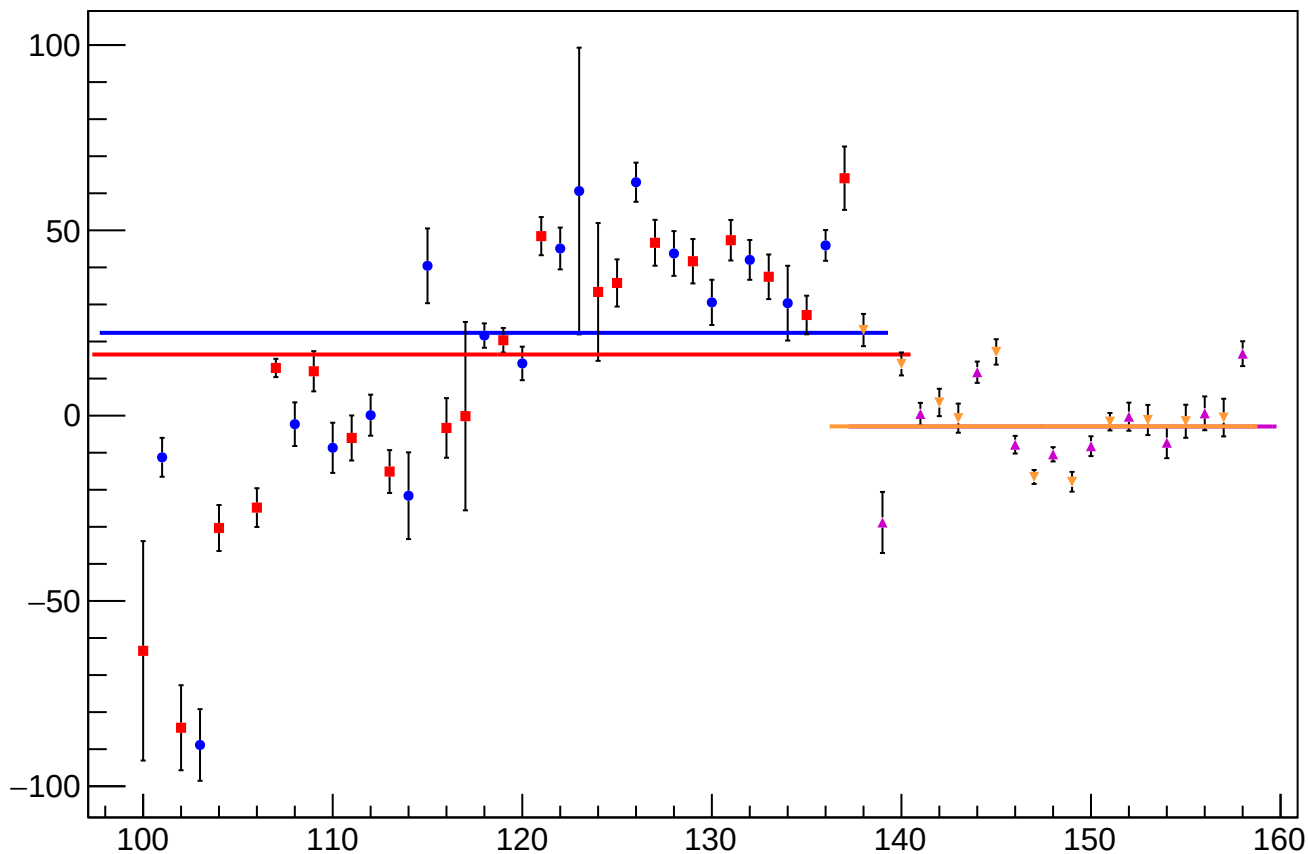
210.533+/-1.433 χ^2/NDF : 421.3/10

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

216.784+/-1.437 χ^2/NDF : 164.6/9

Left In: 216.784+/-1.437 χ^2/NDF : 164.6/9

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 22.342+/-1.395 χ^2/NDF : 385.8/16

Left Out: -2.891+/-0.940 χ^2/NDF : 187.5/10

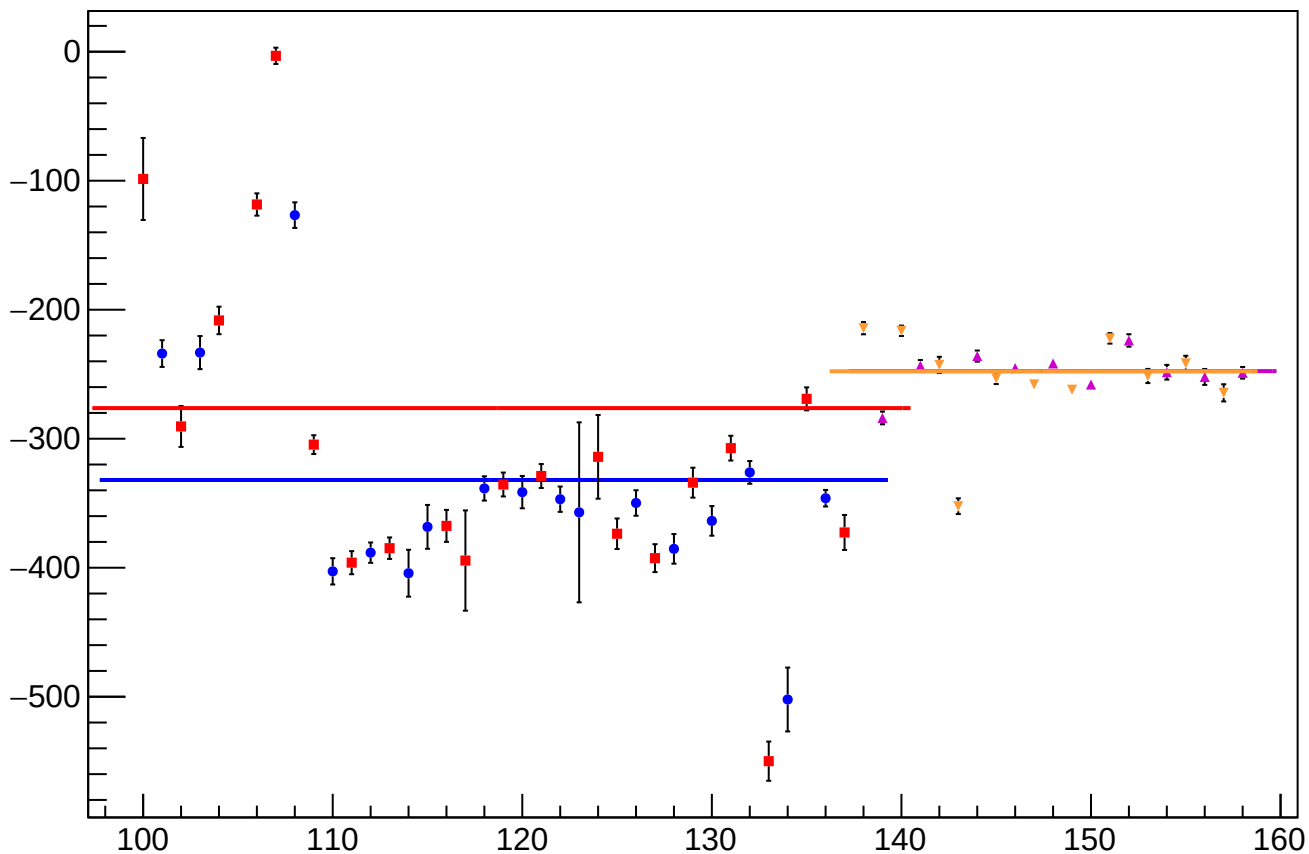
Right Out: 16.498+/-1.226 χ^2/NDF : 427.0/19

Left In: -2.928+/-0.954 χ^2/NDF : 97.0/9

4.988+/-0.780 χ^2/NDF : 798.3/27

4.404+/-0.753 χ^2/NDF : 680.3/29

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -331.989+/-2.580 χ^2/NDF : 785.0/16

Left Out: -247.721+/-1.425 χ^2/NDF : 475.1/10

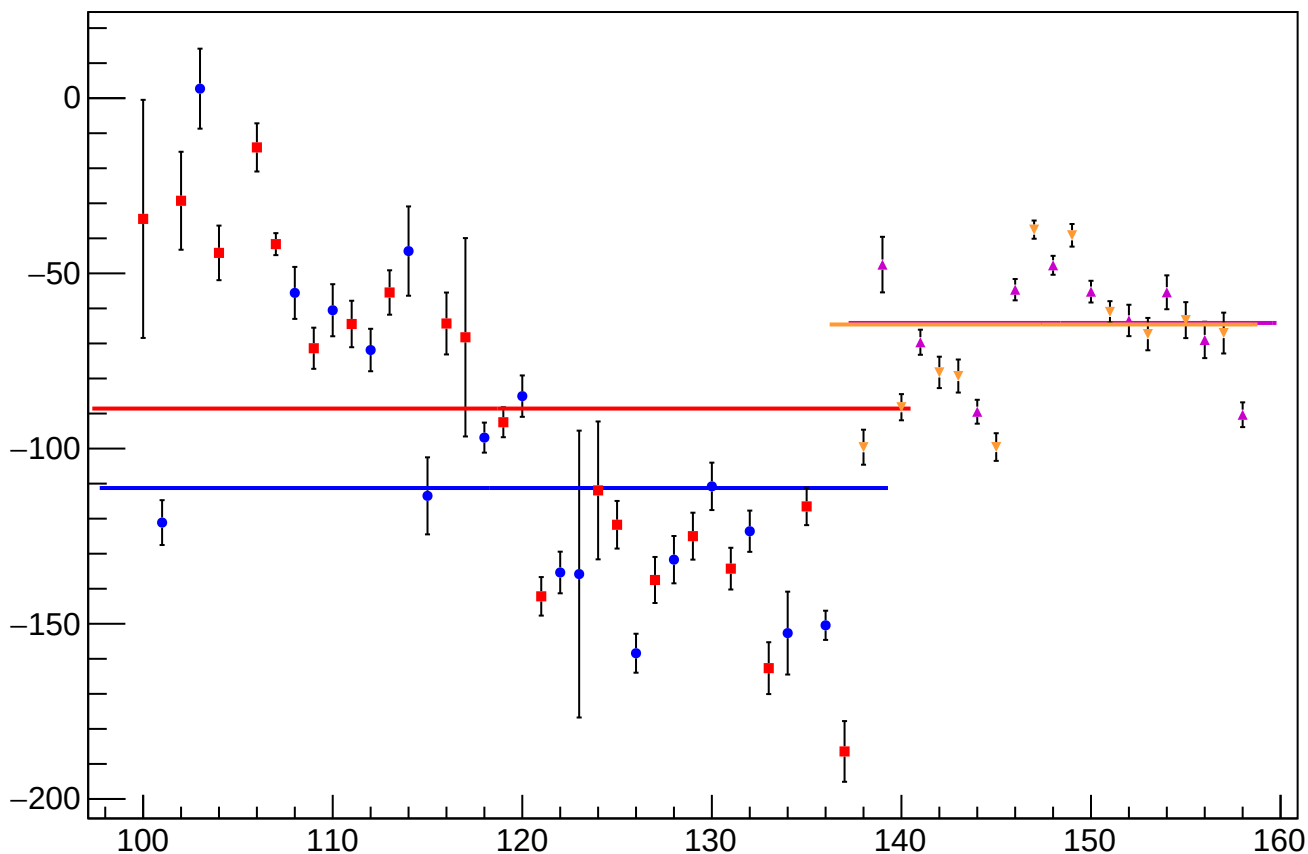
Right Out: -276.265+/-2.320 χ^2/NDF : 3371.5/19

Left In: -247.582+/-1.407 χ^2/NDF : 97.0/9

-267.417+/-1.247 χ^2/NDF : 2077.4/27

-255.296+/-1.203 χ^2/NDF : 3580.2/29

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -111.257 $\pm$ 1.597 χ^2 /NDF: 509.6/16

Left Out: -64.585 $\pm$ 1.166 χ^2 /NDF: 359.4/10

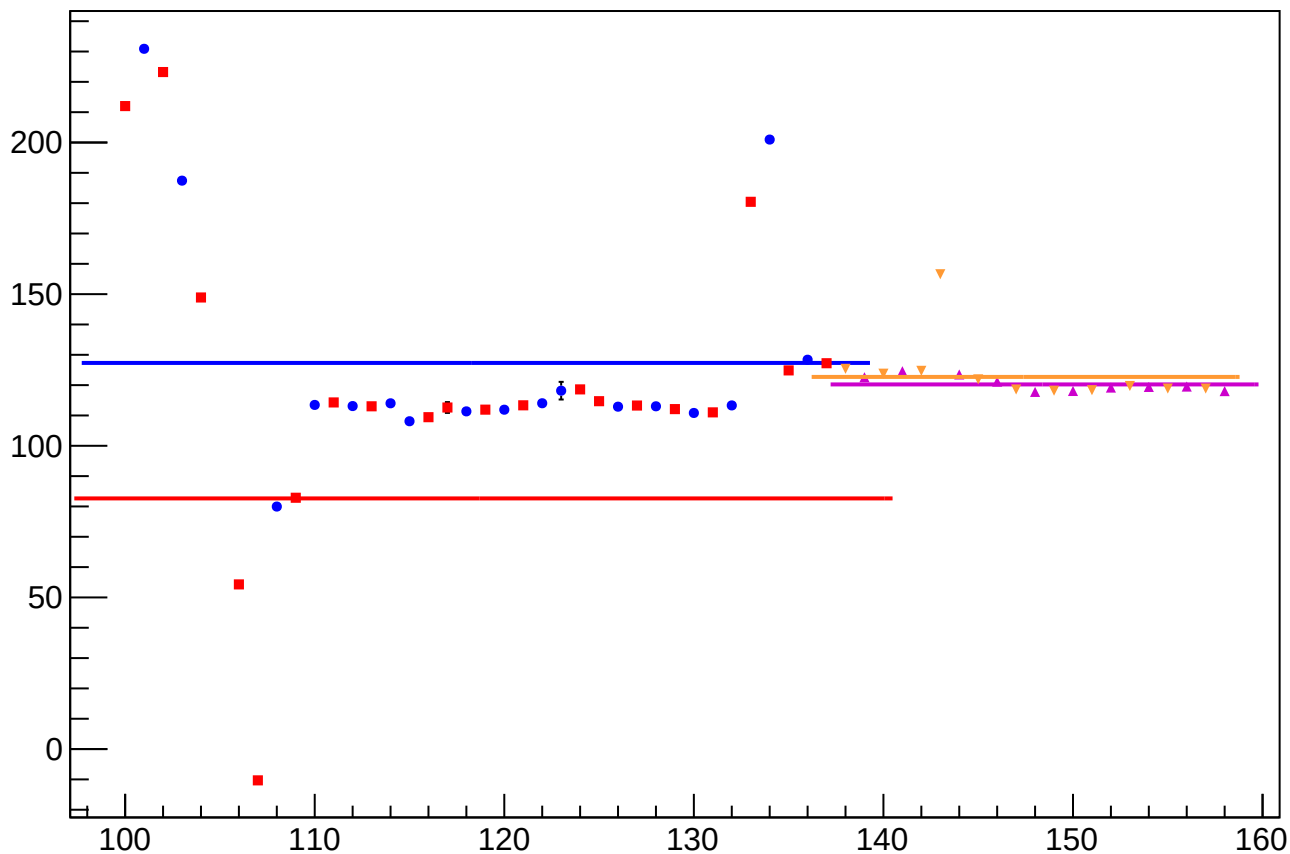
Right Out: -88.581 $\pm$ 1.431 χ^2 /NDF: 971.5/19

Left In: -64.147 $\pm$ 1.163 χ^2 /NDF: 176.2/9

-80.813 $\pm$ 0.942 χ^2 /NDF: 1425.9/27

-73.868 $\pm$ 0.903 χ^2 /NDF: 1323.2/29

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 127.323+/-0.089 χ^2/NDF : 187776.4/16

Left Out: 122.711+/-0.058 χ^2/NDF : 22211.4/10

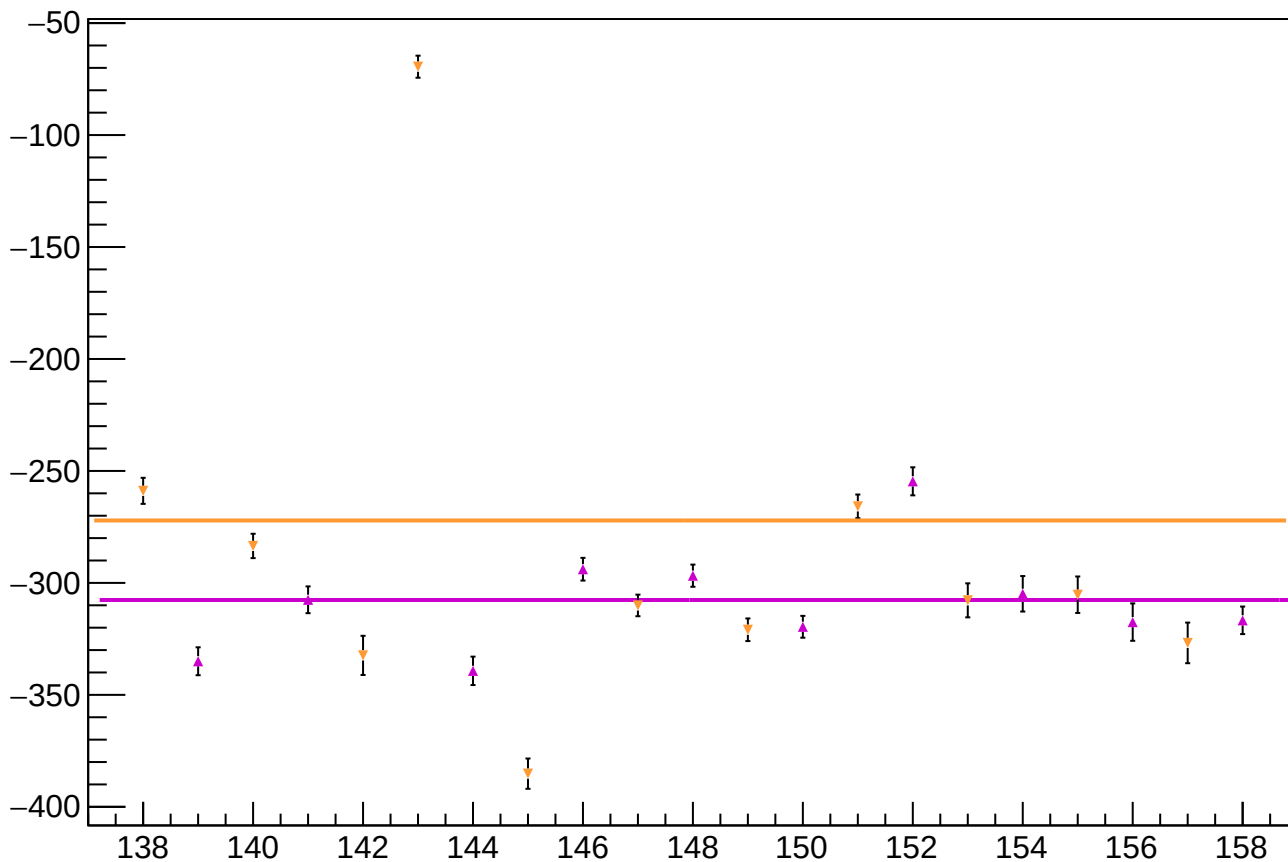
Right Out: 82.649+/-0.075 χ^2/NDF : 765307.1/19

Left In: 120.235+/-0.056 χ^2/NDF : 1777.6/9

124.084+/-0.049 χ^2/NDF : 211855.1/27

106.785+/-0.045 χ^2/NDF : 927046.6/29

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



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

Left Out: -272.120+/-1.819 χ^2/NDF : 2262.3/10

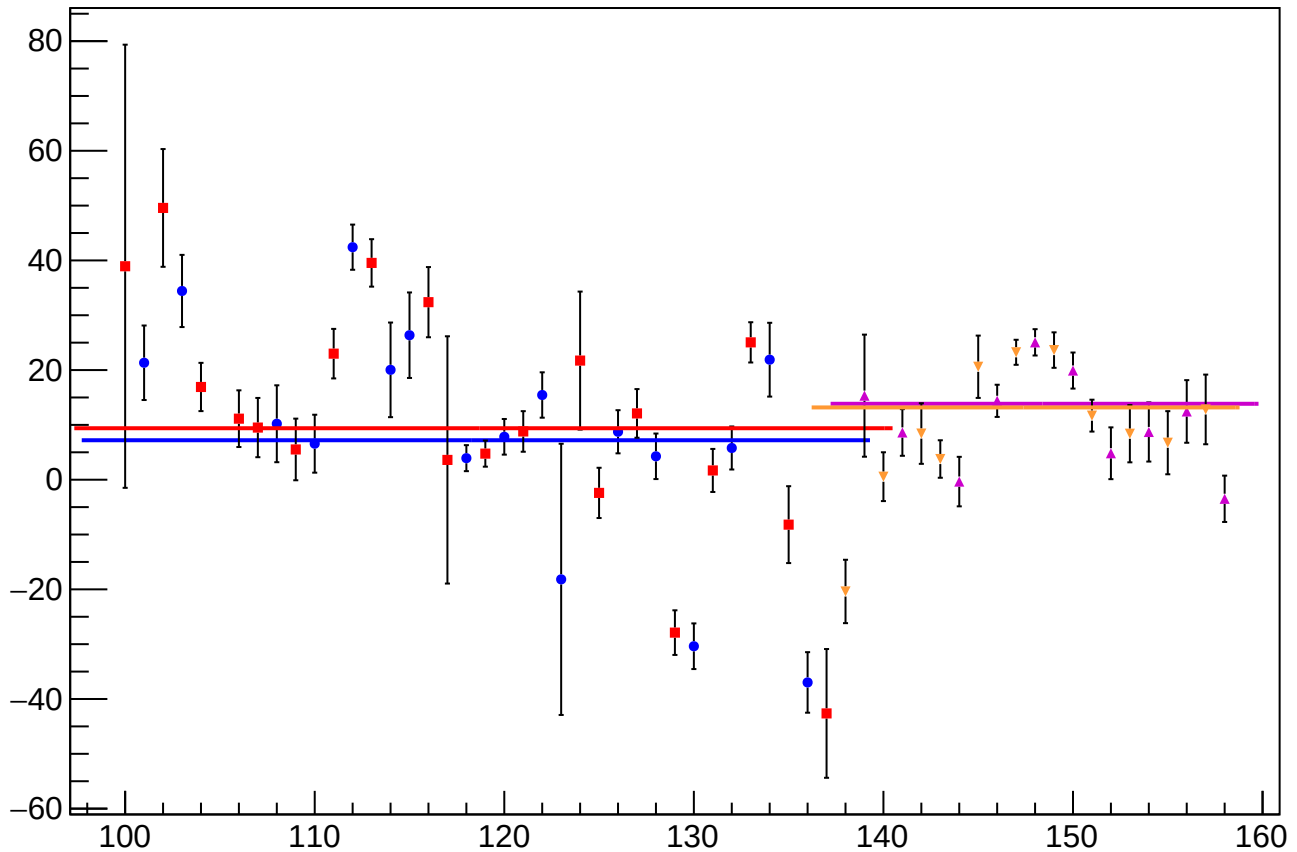
-272.120+/-1.819 χ^2/NDF : 2262.3/10

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

-307.631+/-1.881 χ^2/NDF : 137.7/9

Left In: -307.631+/-1.881 χ^2/NDF : 137.7/9

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 7.199 ± 1.103 $\chi^2/\text{NDF}: 260.9/16$

Left Out: 13.184 ± 1.173 $\chi^2/\text{NDF}: 84.0/10$

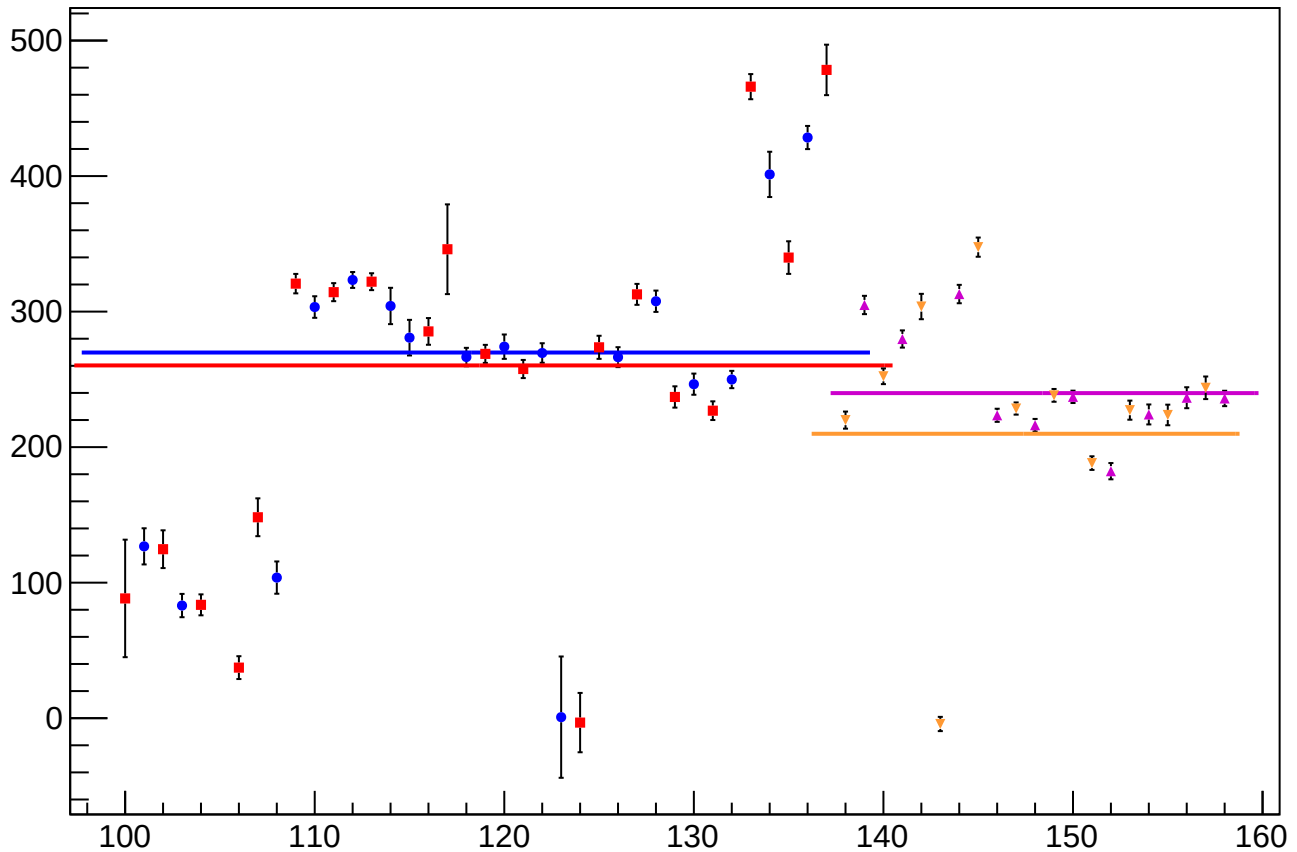
Right Out: 9.390 ± 1.070 $\chi^2/\text{NDF}: 232.2/19$

Left In: 13.850 ± 1.231 $\chi^2/\text{NDF}: 58.1/9$

10.008 ± 0.804 $\chi^2/\text{NDF}: 358.7/27$

11.309 ± 0.807 $\chi^2/\text{NDF}: 297.8/29$

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 269.806 ± 2.089 $\chi^2/\text{NDF}: 1374.1/16$

Left Out: 209.859 ± 1.801 $\chi^2/\text{NDF}: 2292.6/10$

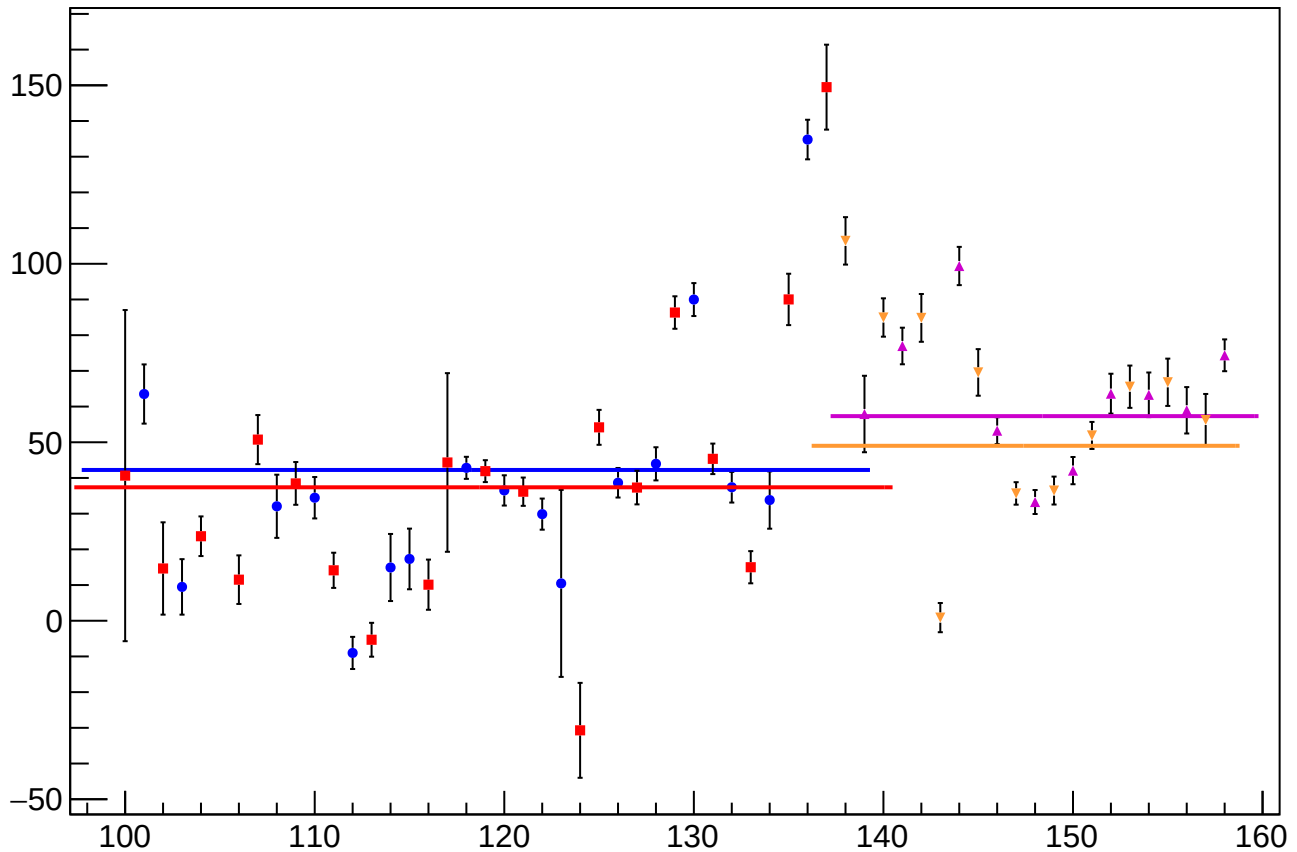
Right Out: 260.286 ± 1.973 $\chi^2/\text{NDF}: 2545.4/19$

Left In: 239.862 ± 1.827 $\chi^2/\text{NDF}: 383.5/9$

235.421 ± 1.364 $\chi^2/\text{NDF}: 4139.0/27$

249.289 ± 1.341 $\chi^2/\text{NDF}: 2986.5/29$

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 42.242 $\pm$ 1.274 χ^2 /NDF: 574.4/16

Left Out: 49.010 $\pm$ 1.460 χ^2 /NDF:341.3/10

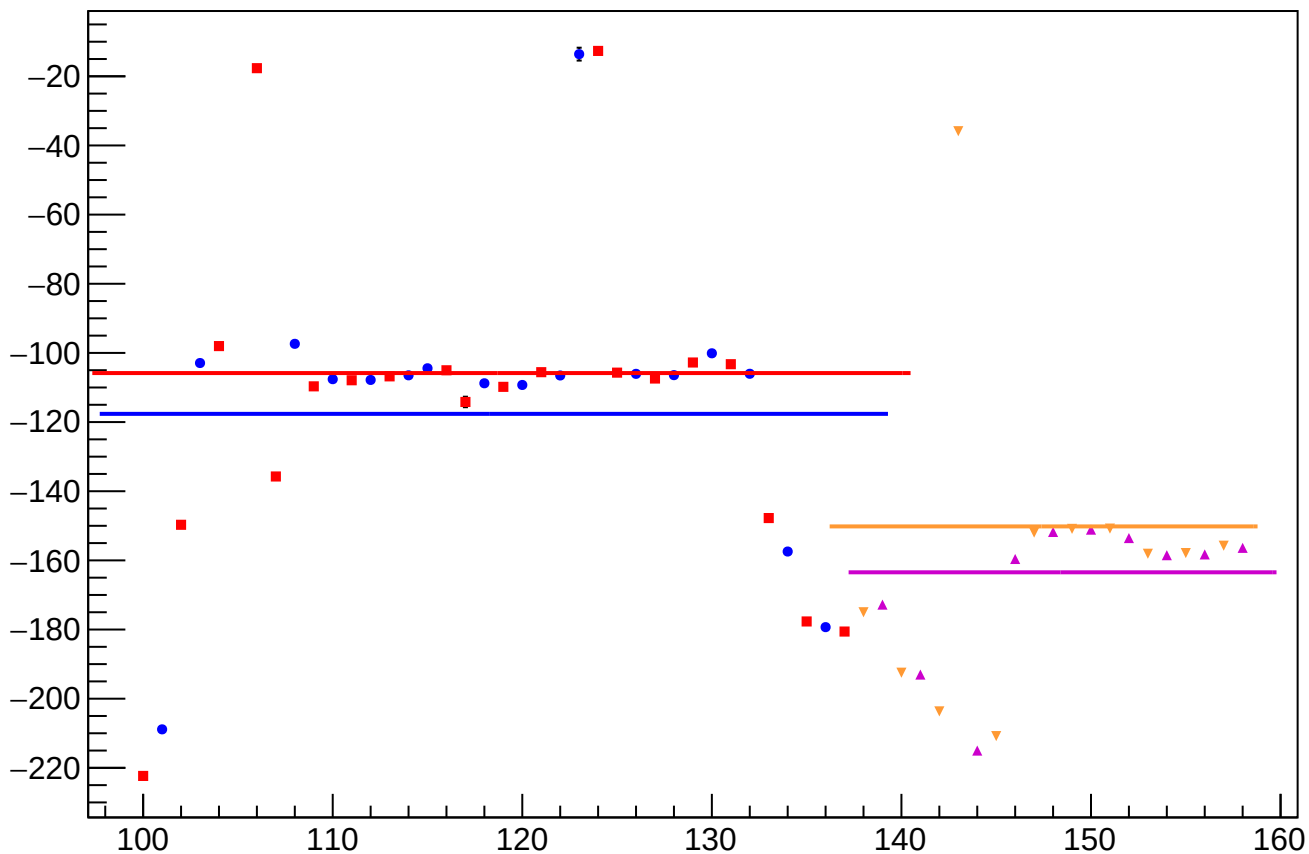
Right Out: 37.384 $\pm$ 1.233 χ^2 /NDF: 472.4/19

Left In: 57.321 $\pm$ 1.505 χ^2 /NDF:161.7/9

45.165 $\pm$ 0.960 χ^2 /NDF: 927.8/27

45.390 $\pm$ 0.954 χ^2 /NDF: 739.1/29

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -117.625+/-0.079 χ^2/NDF : 141872.3/16

Left Out: -150.176+/-0.074 χ^2/NDF : 402367.9/10

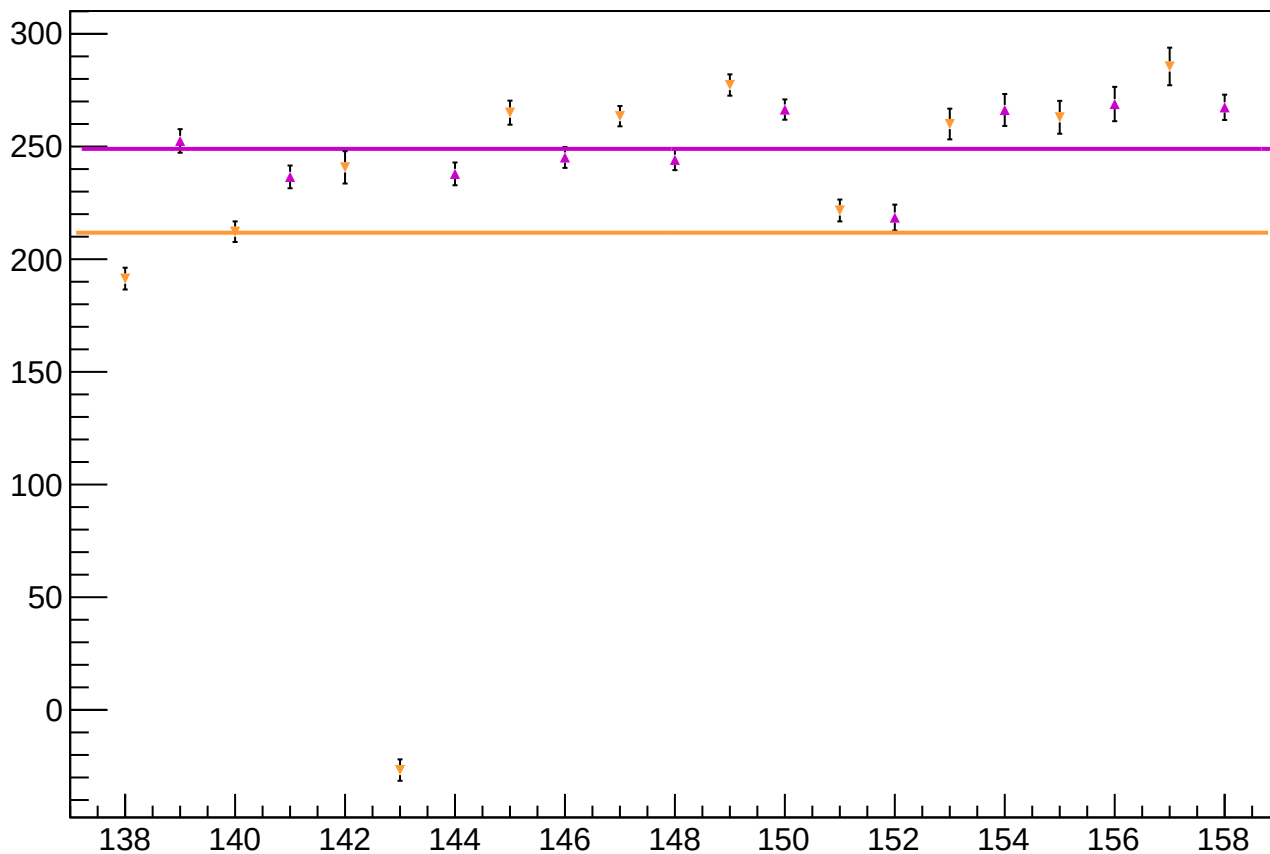
Right Out: -105.826+/-0.073 χ^2/NDF : 323138.4/19

Left In: -163.450+/-0.073 χ^2/NDF : 56368.4/9

-134.913+/-0.054 χ^2/NDF : 635502.0/27

-134.545+/-0.052 χ^2/NDF : 692362.3/29

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



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

Left Out: 211.769+/-1.621 χ^2/NDF : 3155.2/10

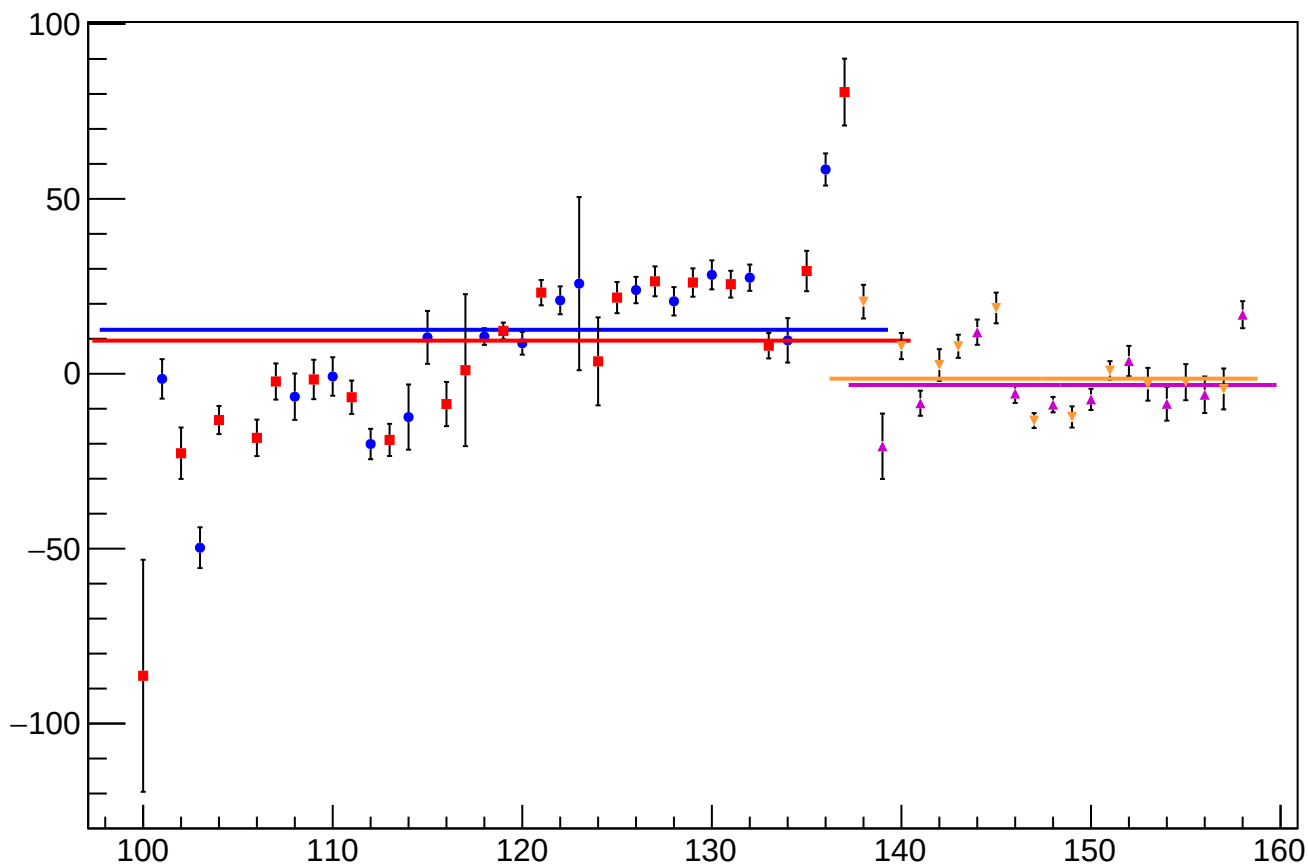
211.769+/-1.621 χ^2/NDF : 3155.2/10

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

Left In: 248.961+/-1.671 χ^2/NDF : 79.8/9

248.961+/-1.671 χ^2/NDF : 79.8/9

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: 12.574+/-1.074 χ^2/NDF : 348.0/16

Left Out: -1.395+/-1.062 χ^2/NDF : 102.7/10

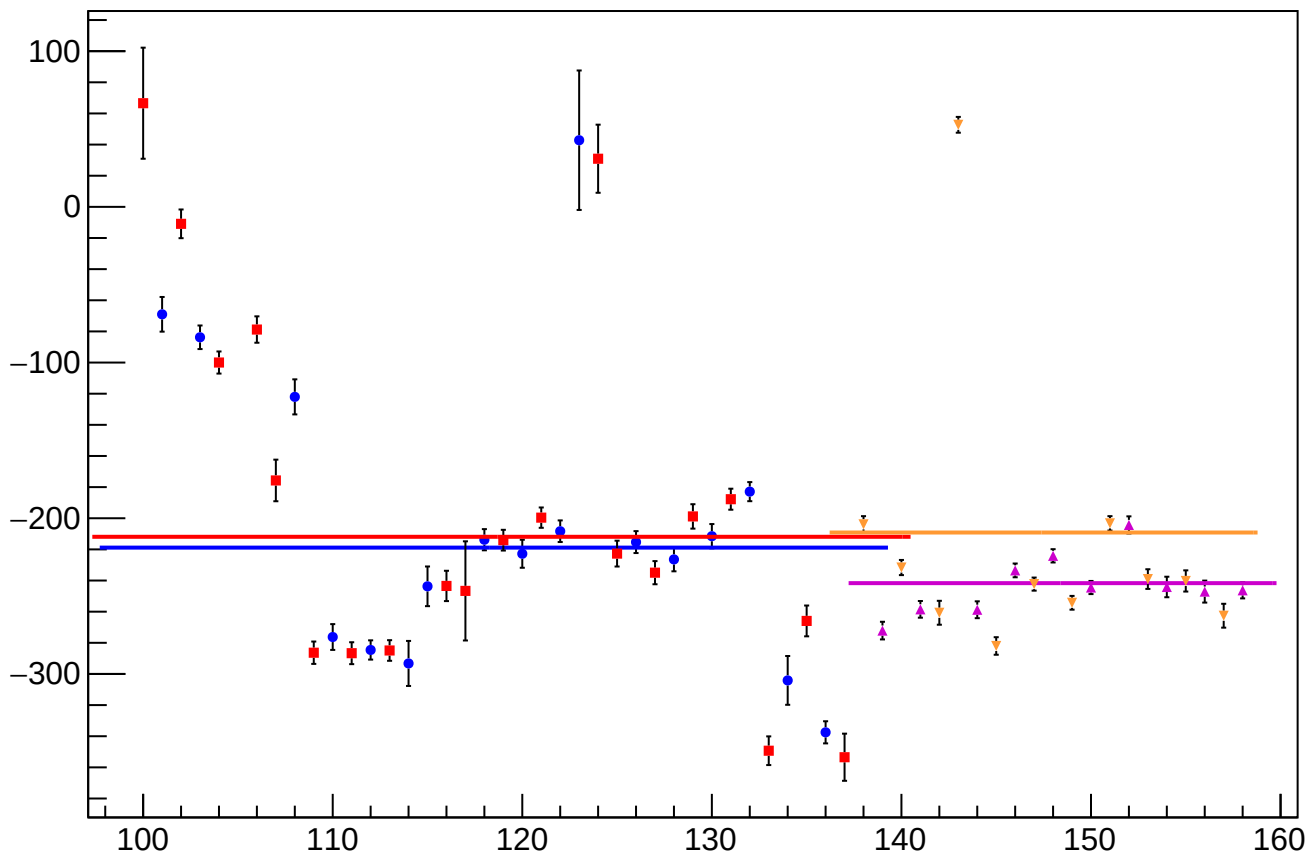
Right Out: 9.474+/-1.046 χ^2/NDF : 296.0/19

Left In: -3.203+/-1.107 χ^2/NDF : 63.3/9

5.508+/-0.755 χ^2/NDF : 536.3/27

3.493+/-0.760 χ^2/NDF : 428.6/29

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -218.855+/-2.023 χ^2/NDF : 1146.6/16

Left Out: -209.158+/-1.614 χ^2/NDF : 3156.5/10

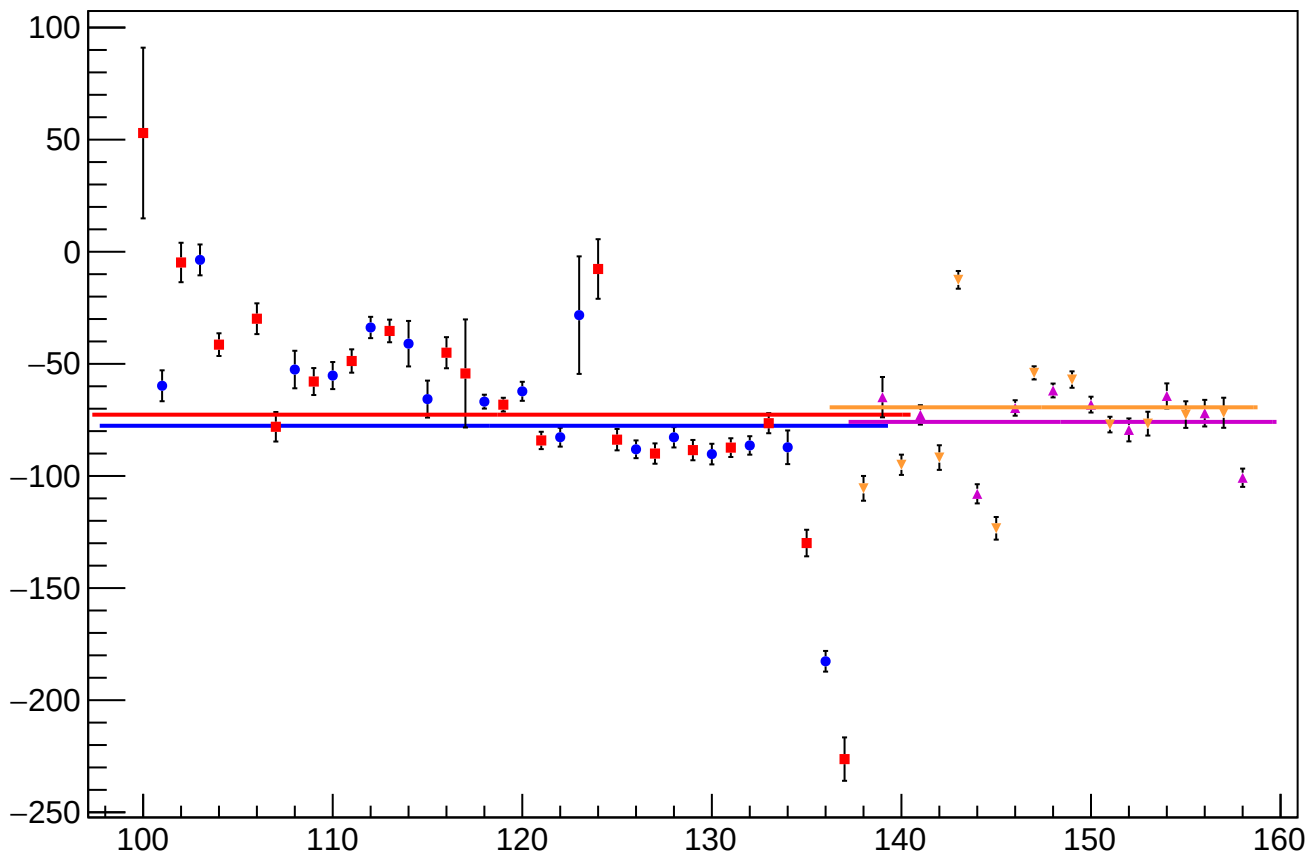
Right Out: -211.907+/-1.920 χ^2/NDF : 1886.4/19

Left In: -241.677+/-1.632 χ^2/NDF : 117.1/9

-212.930+/-1.261 χ^2/NDF : 4317.1/27

-229.194+/-1.243 χ^2/NDF : 2143.0/29

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -77.612 ± 1.236 $\chi^2/\text{NDF}: 815.9/16$

Left Out: -69.373 ± 1.317 $\chi^2/\text{NDF}: 458.7/10$

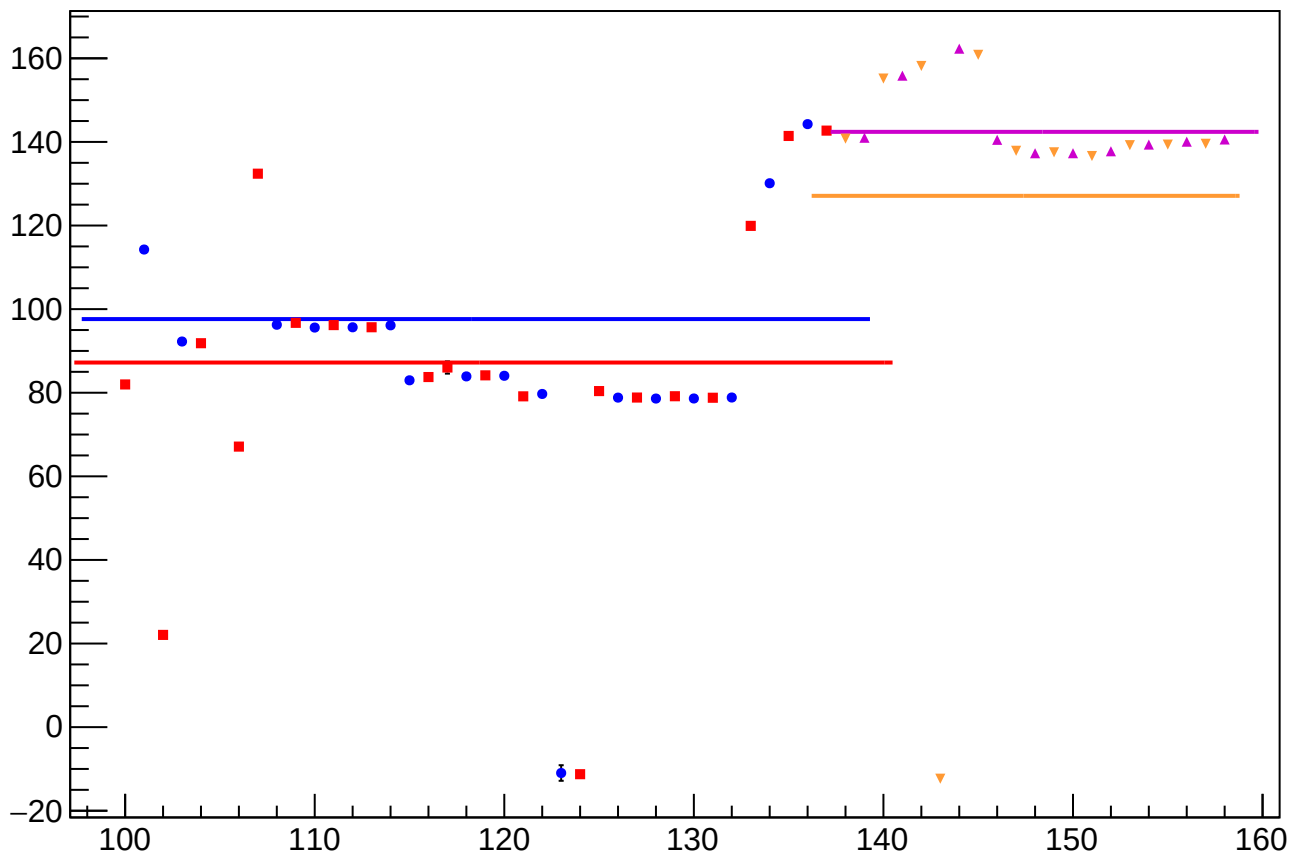
Right Out: -72.664 ± 1.205 $\chi^2/\text{NDF}: 672.0/19$

Left In: -75.883 ± 1.350 $\chi^2/\text{NDF}: 129.4/9$

-73.752 ± 0.901 $\chi^2/\text{NDF}: 1295.4/27$

-74.090 ± 0.899 $\chi^2/\text{NDF}: 804.6/29$

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 97.620 ± 0.074 χ^2/NDF : 94045.2/16

Left Out: 127.103 ± 0.066 χ^2/NDF : 542383.8/10

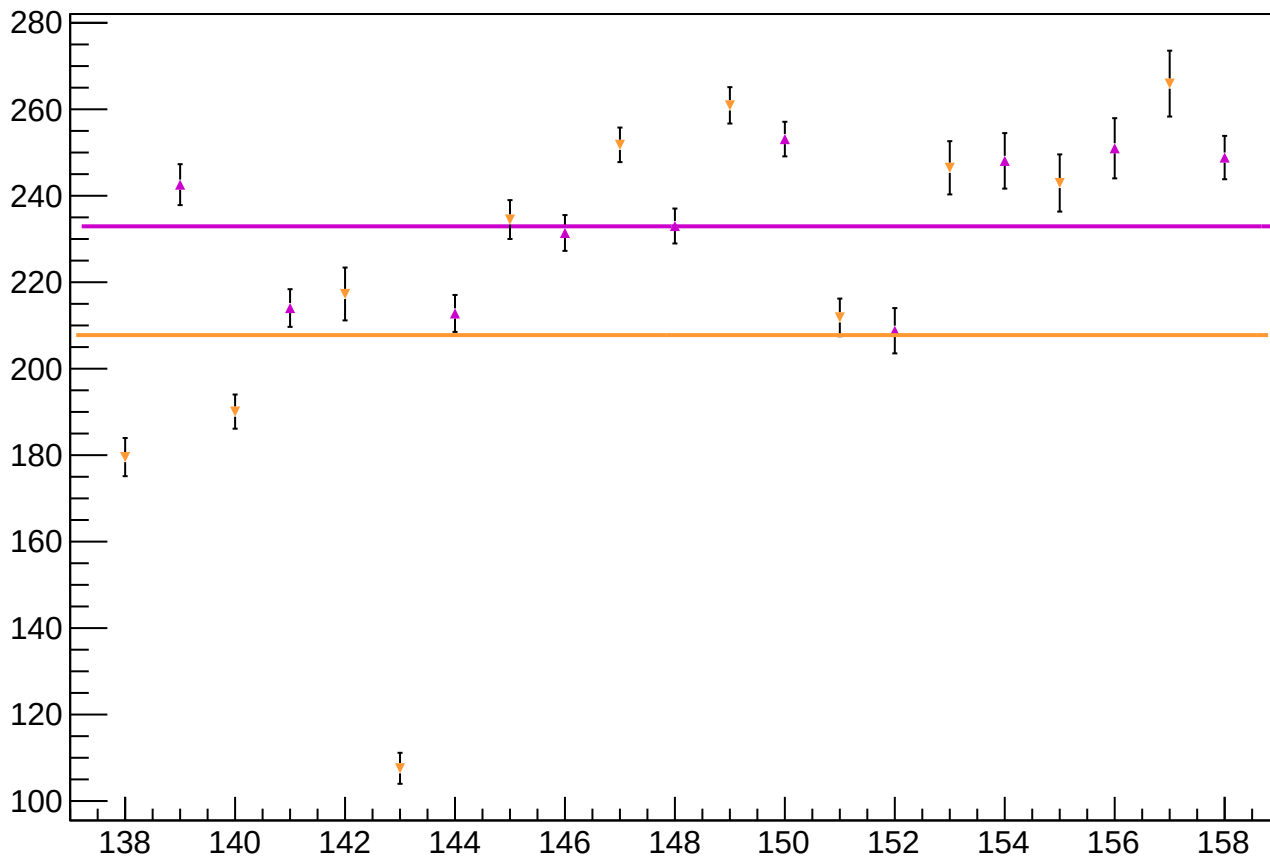
Right Out: 87.224 ± 0.068 χ^2/NDF : 220851.2/19

Left In: 142.410 ± 0.065 χ^2/NDF : 13477.4/9

113.996 ± 0.049 χ^2/NDF : 725292.2/27

116.094 ± 0.047 χ^2/NDF : 576934.4/29

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



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

Left Out: 207.768 $\pm$ 1.404 χ^2 /NDF:1287.5/10

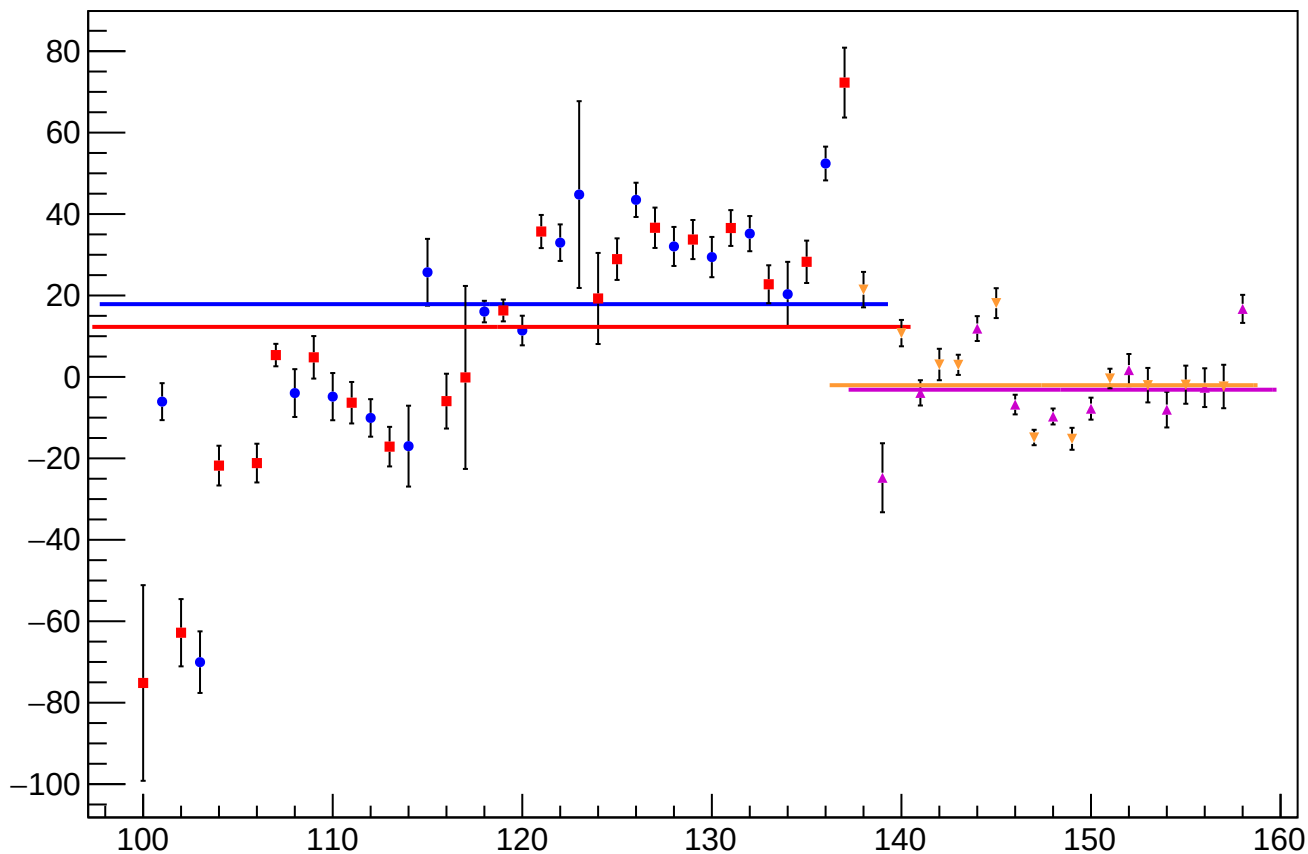
207.768 $\pm$ 1.404 χ^2 /NDF: 1287.5/10

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

Left In: 232.932 $\pm$ 1.482 χ^2 /NDF:114.4/9

232.932 $\pm$ 1.482 χ^2 /NDF: 114.4/9

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 17.872 ± 1.166 χ^2/NDF : 395.3/16

Left Out: -2.030 ± 0.921 χ^2/NDF : 151.0/10

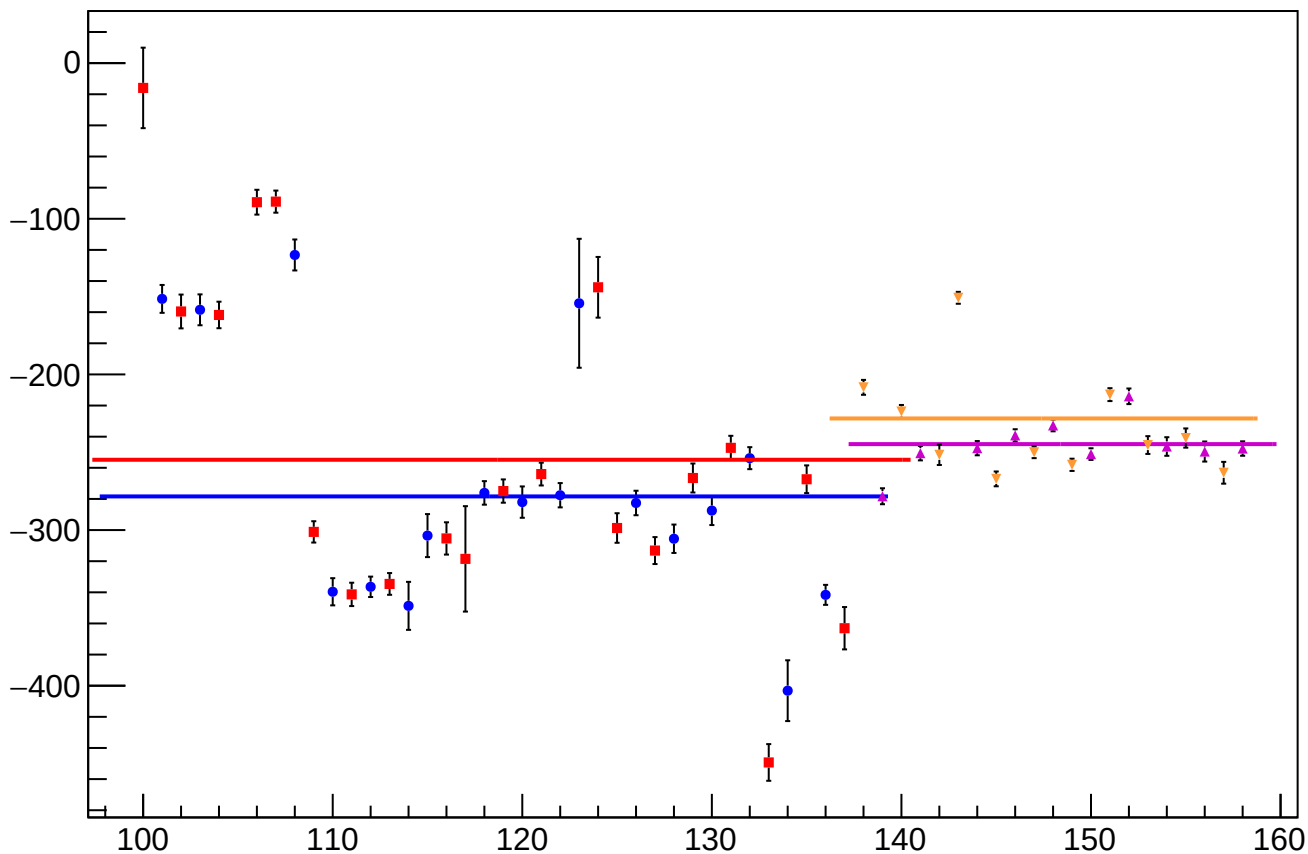
Right Out: 12.288 ± 1.082 χ^2/NDF : 444.4/19

Left In: -3.139 ± 0.980 χ^2/NDF : 83.3/9

5.614 ± 0.723 χ^2/NDF : 725.9/27

3.817 ± 0.727 χ^2/NDF : 639.3/29

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -278.380 $\pm$ 2.185 χ^2 /NDF: 910.6/16

Left Out: -228.295 $\pm$ 1.403 χ^2 /NDF: 651.0/10

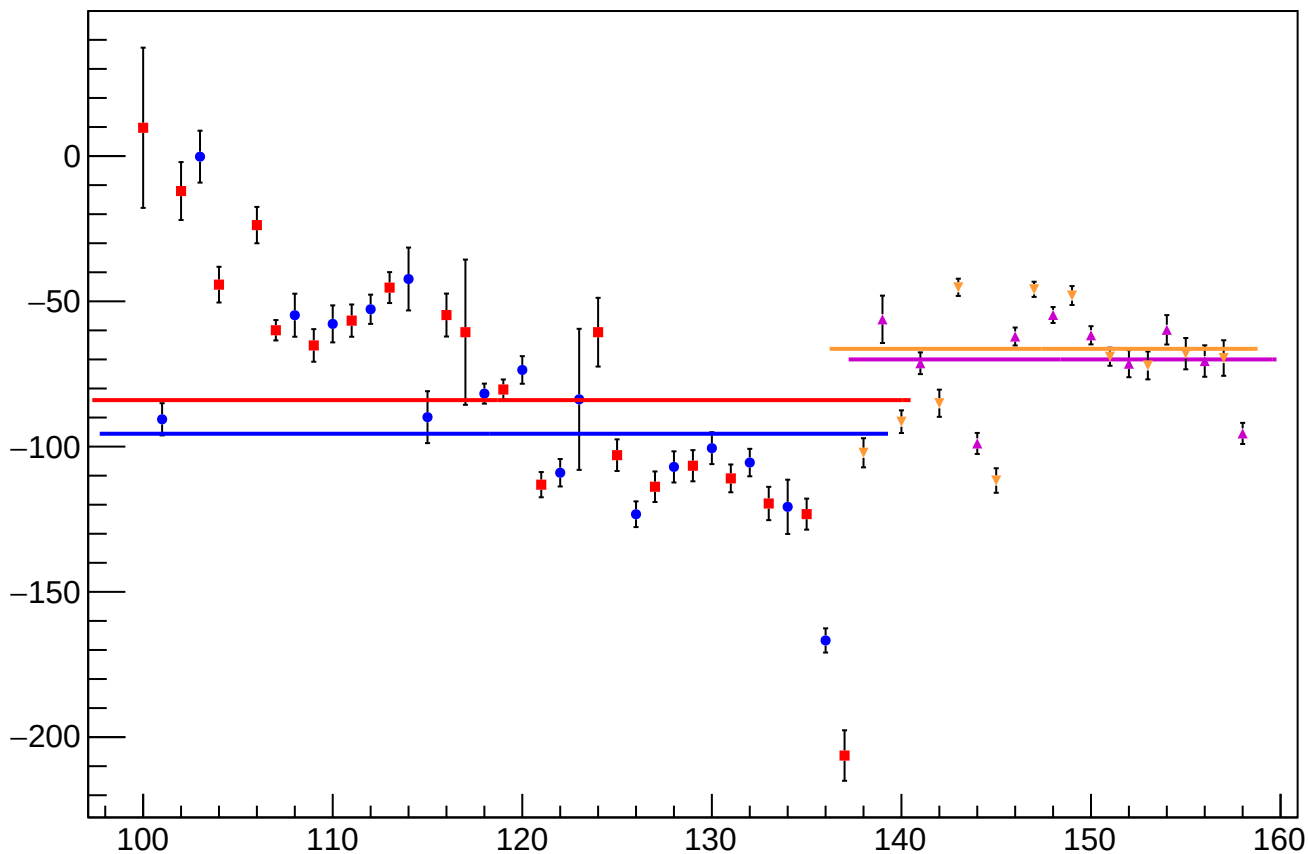
Right Out: -254.830 $\pm$ 2.016 χ^2 /NDF: 2041.0/19

Left In: -244.780 $\pm$ 1.449 χ^2 /NDF: 98.1/9

-242.925 $\pm$ 1.181 χ^2 /NDF: 1933.6/27

-248.204 $\pm$ 1.177 χ^2 /NDF: 2155.5/29

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: -66.344 $\pm$ 1.141 χ^2 /NDF: 370.1/10

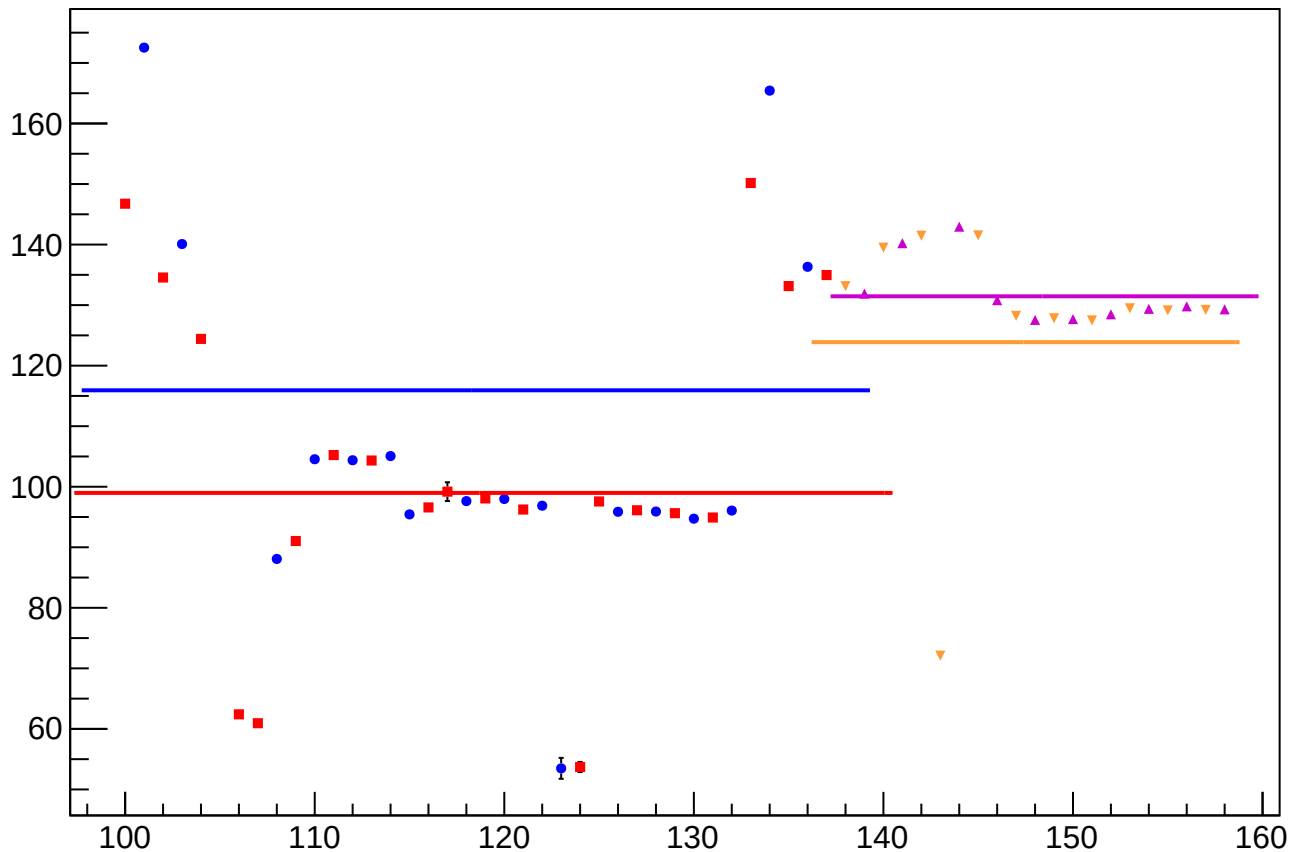
Right Out: -84.003 $\pm$ 1.255 χ^2 /NDF: 784.1/19

Left In: -69.998 $\pm$ 1.197 χ^2 /NDF: 165.0/9

-78.621 $\pm$ 0.869 χ^2 /NDF: 1317.2/27

-76.667 $\pm$ 0.866 χ^2 /NDF: 1014.3/29

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: 123.880 $\pm$ 0.057 χ^2 /NDF: 140244.8/10

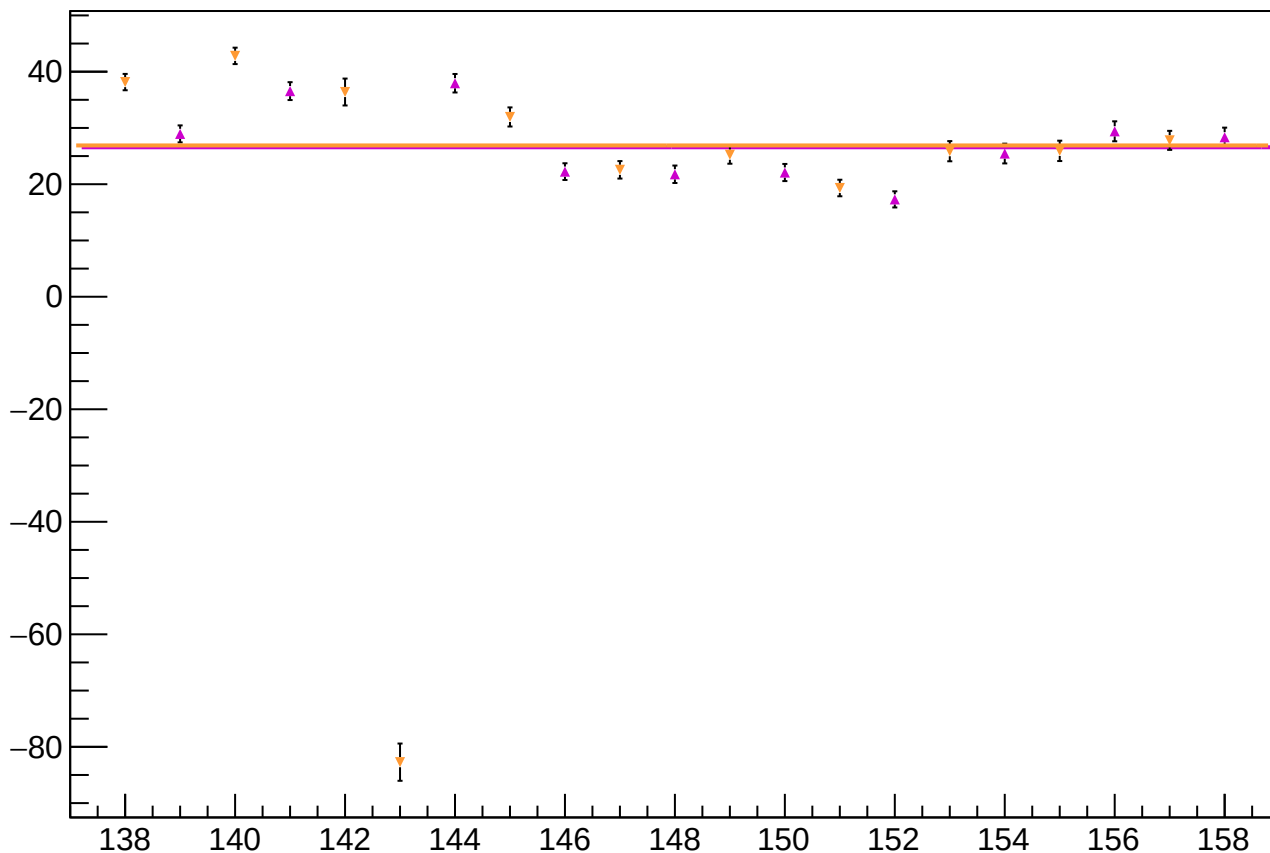
Right Out: 98.982 $\pm$ 0.068 χ^2 /NDF: 172974.2/19

Left In: 131.454 $\pm$ 0.058 χ^2 /NDF: 7210.4/9

121.105 $\pm$ 0.046 χ^2 /NDF: 252731.7/27

117.900 $\pm$ 0.044 χ^2 /NDF: 311172.0/29

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: 26.891+/-0.514 χ^2/NDF :1336.4/10

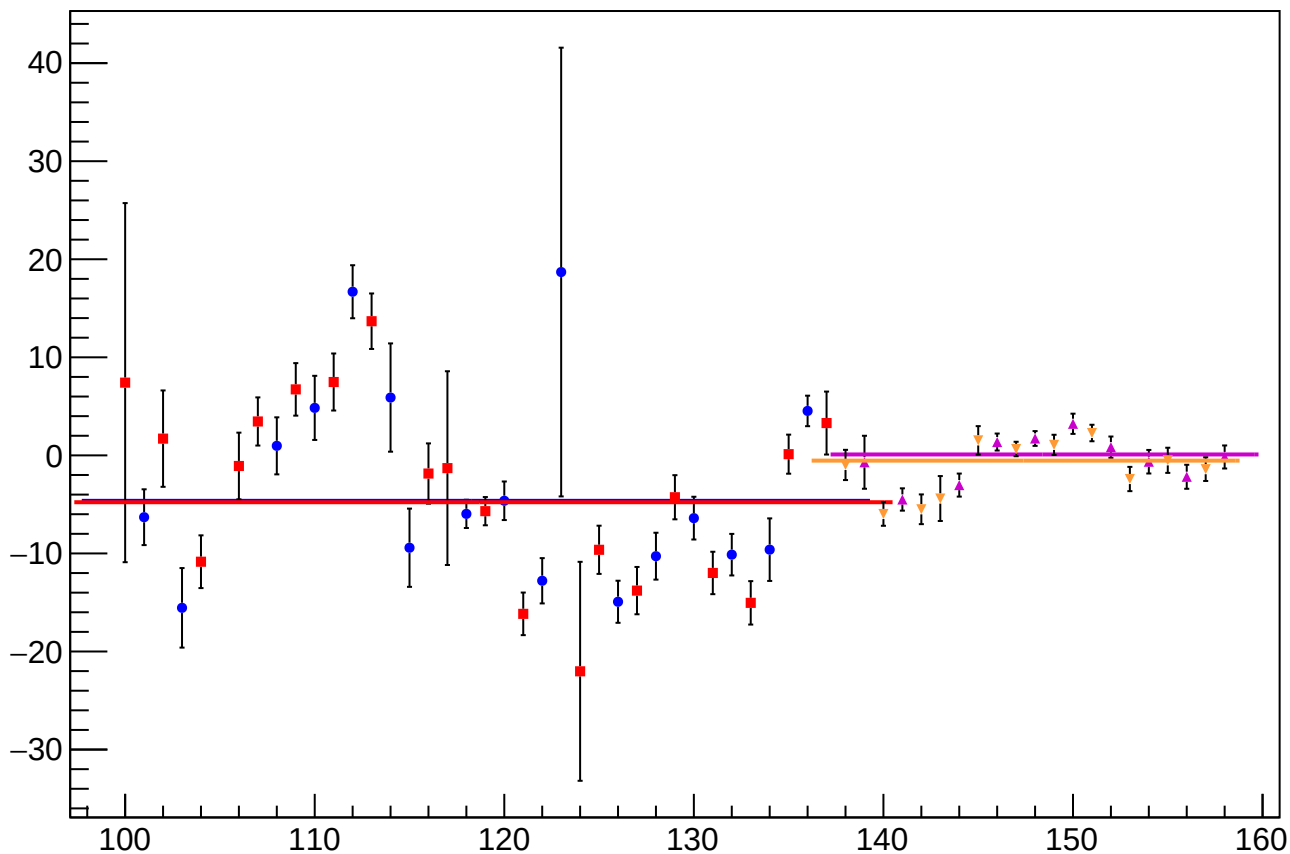
26.891+/-0.514 χ^2/NDF : 1336.4/10

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

Left In: 26.564+/-0.501 χ^2/NDF :162.4/9

26.564+/-0.501 χ^2/NDF : 162.4/9

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: -0.534 ± 0.346 χ^2/NDF : 55.2/10

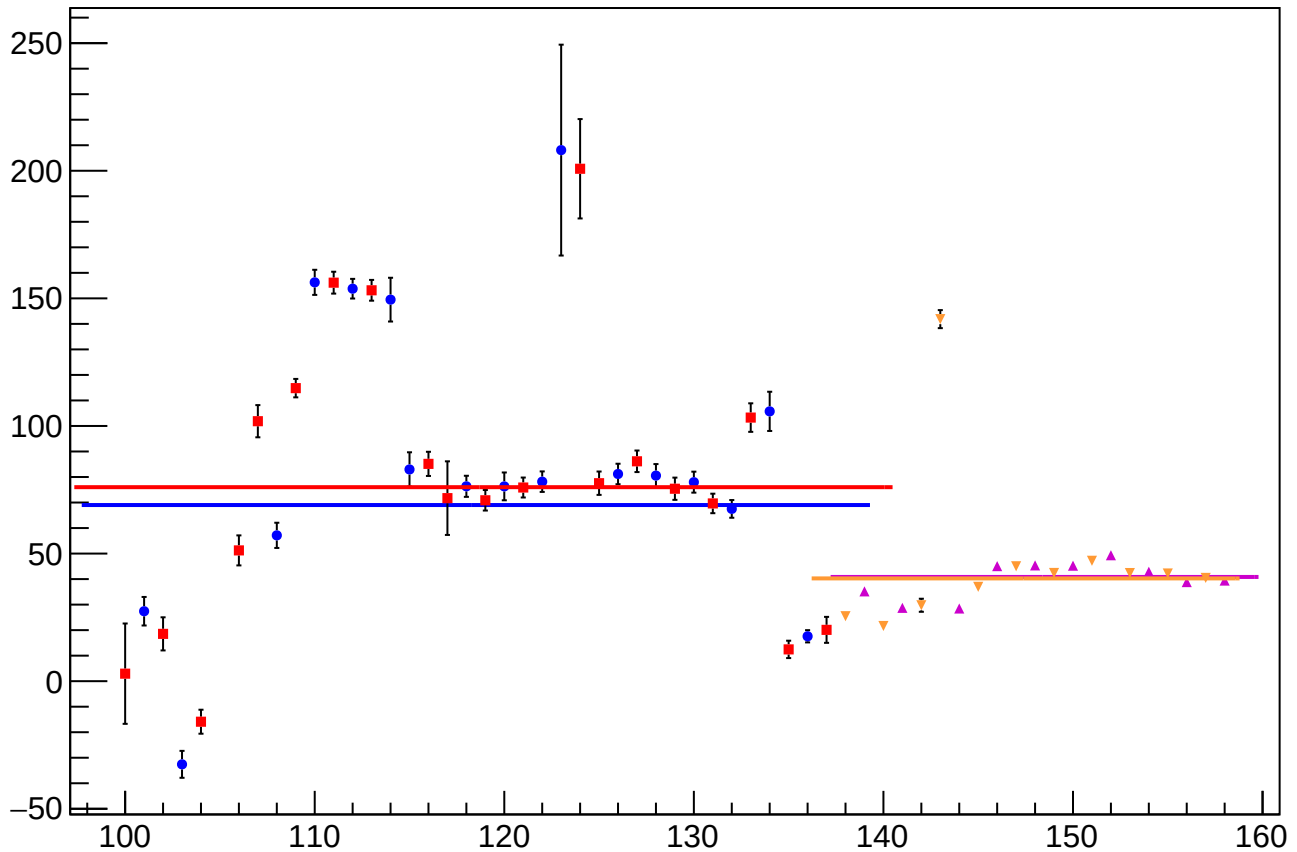
Right Out: -4.779 ± 0.583 χ^2/NDF : 192.7/19

Left In: 0.093 ± 0.341 χ^2/NDF : 43.8/9

-1.590 ± 0.298 χ^2/NDF : 265.8/27

-1.148 ± 0.294 χ^2/NDF : 288.4/29

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug



Right In: 69.019+/-1.083 χ^2 /NDF: 1848.0/16

Left Out: 40.268+/-0.505 χ^2 /NDF:1119.1/10

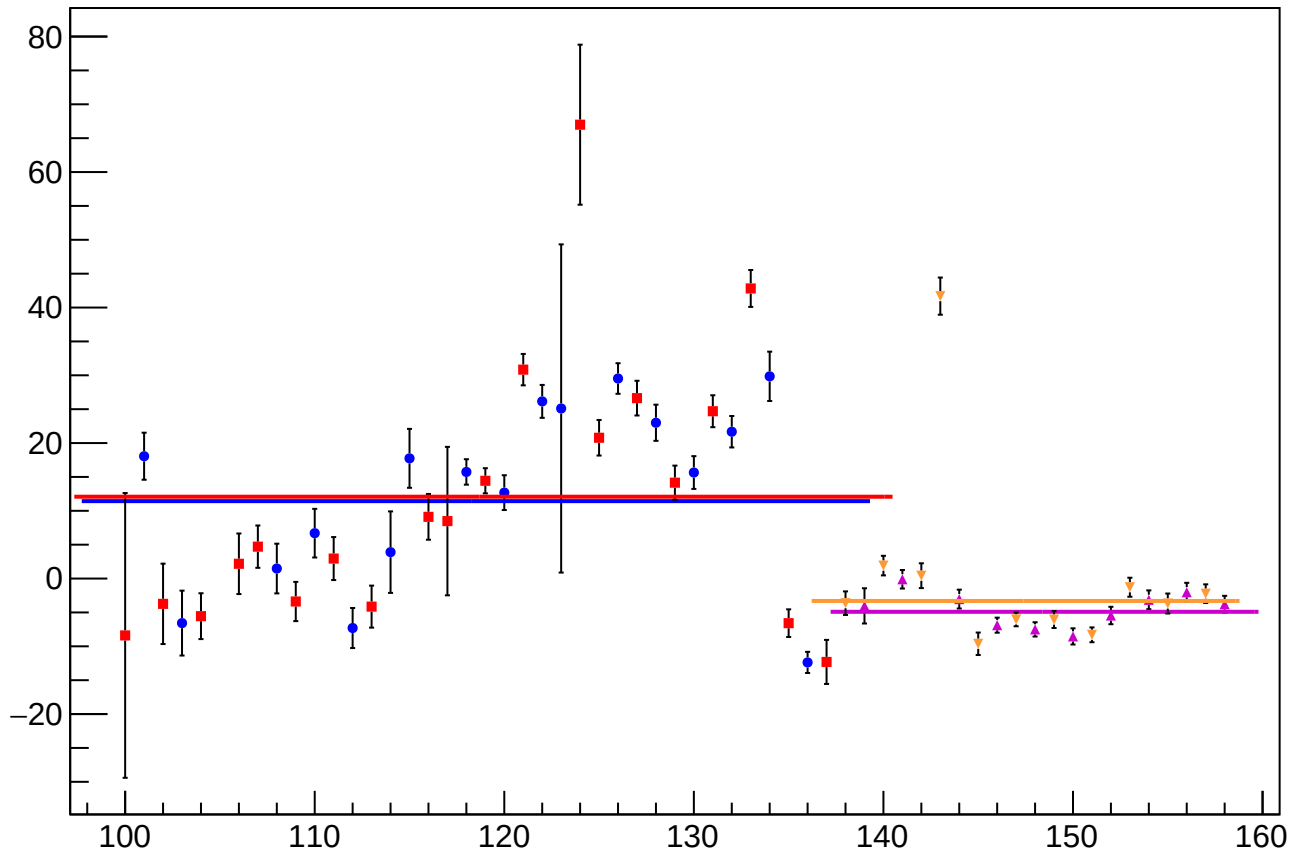
Right Out: 76.017+/-1.067 χ^2 /NDF: 1882.0/19

Left In: 40.839+/-0.489 χ^2 /NDF:183.1/9

45.402+/-0.458 χ^2 /NDF: 3545.6/27

46.938+/-0.444 χ^2 /NDF: 2963.7/29

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug



Right In: 11.428 $\pm$ 0.665 χ^2 /NDF: 476.8/16

Left Out: -3.303 $\pm$ 0.424 χ^2 /NDF: 336.5/10

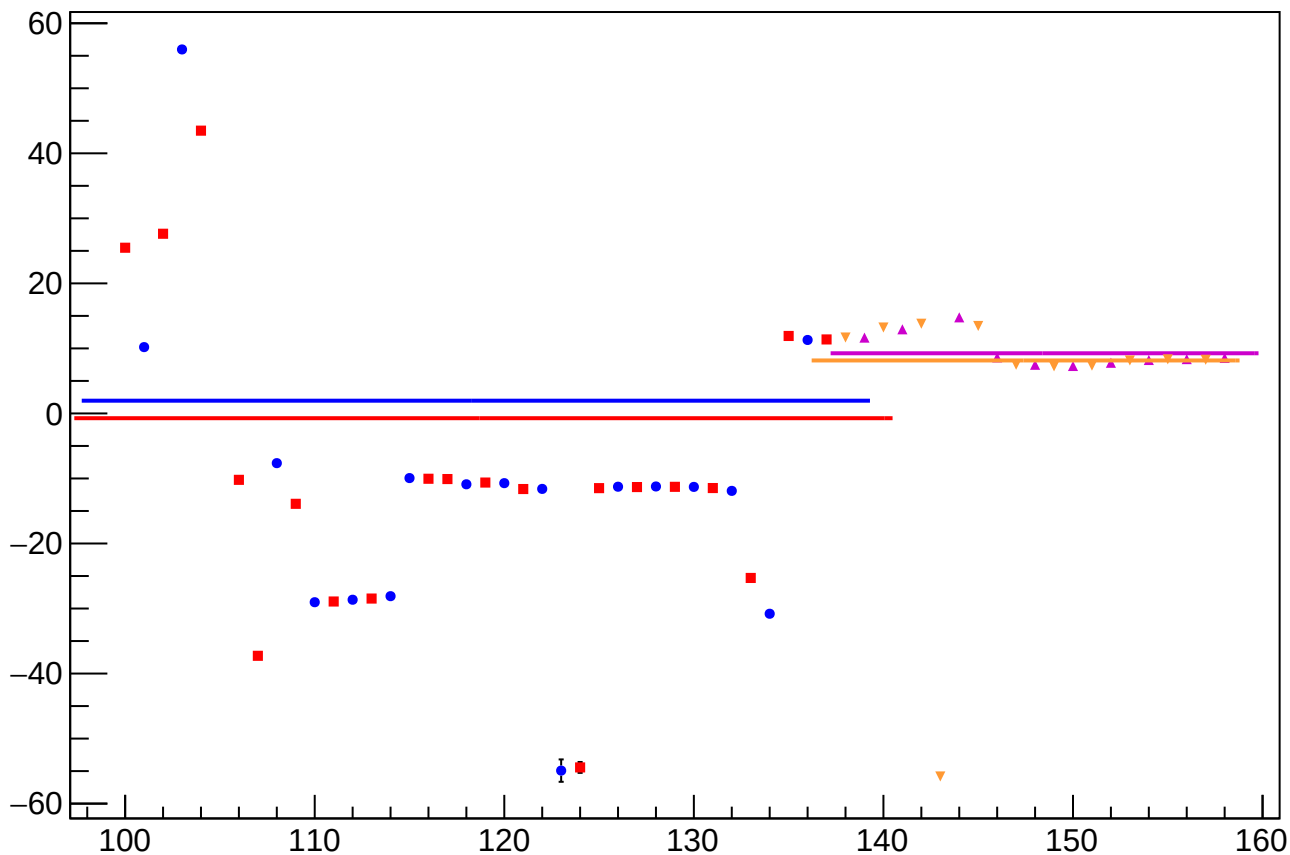
Right Out: 12.082 $\pm$ 0.663 χ^2 /NDF: 539.2/19

Left In: -4.906 $\pm$ 0.411 χ^2 /NDF: 39.7/9

0.956 $\pm$ 0.358 χ^2 /NDF: 1161.6/27

-0.179 $\pm$ 0.350 χ^2 /NDF: 1053.2/29

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug



Right In: 1.960+/-0.037 χ^2/NDF : 358457.0/16

Left Out: 8.148+/-0.020 χ^2/NDF : 222440.2/10

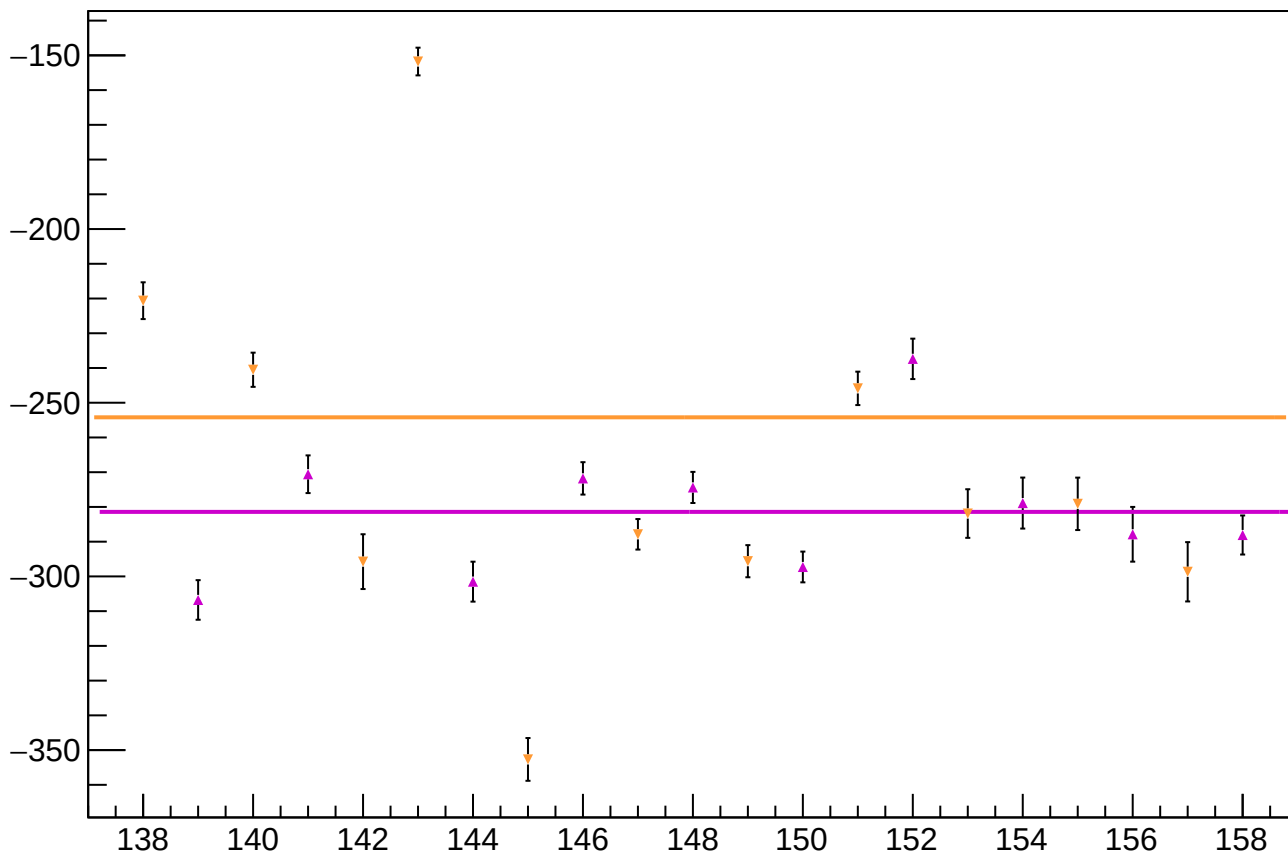
Right Out: -0.733+/-0.037 χ^2/NDF : 361368.4/19

Left In: 9.252+/-0.019 χ^2/NDF : 13283.3/9

6.757+/-0.018 χ^2/NDF : 602407.2/27

7.156+/-0.017 χ^2/NDF : 432001.7/29

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: -254.202+/-1.631 χ^2/NDF : 1186.5/10

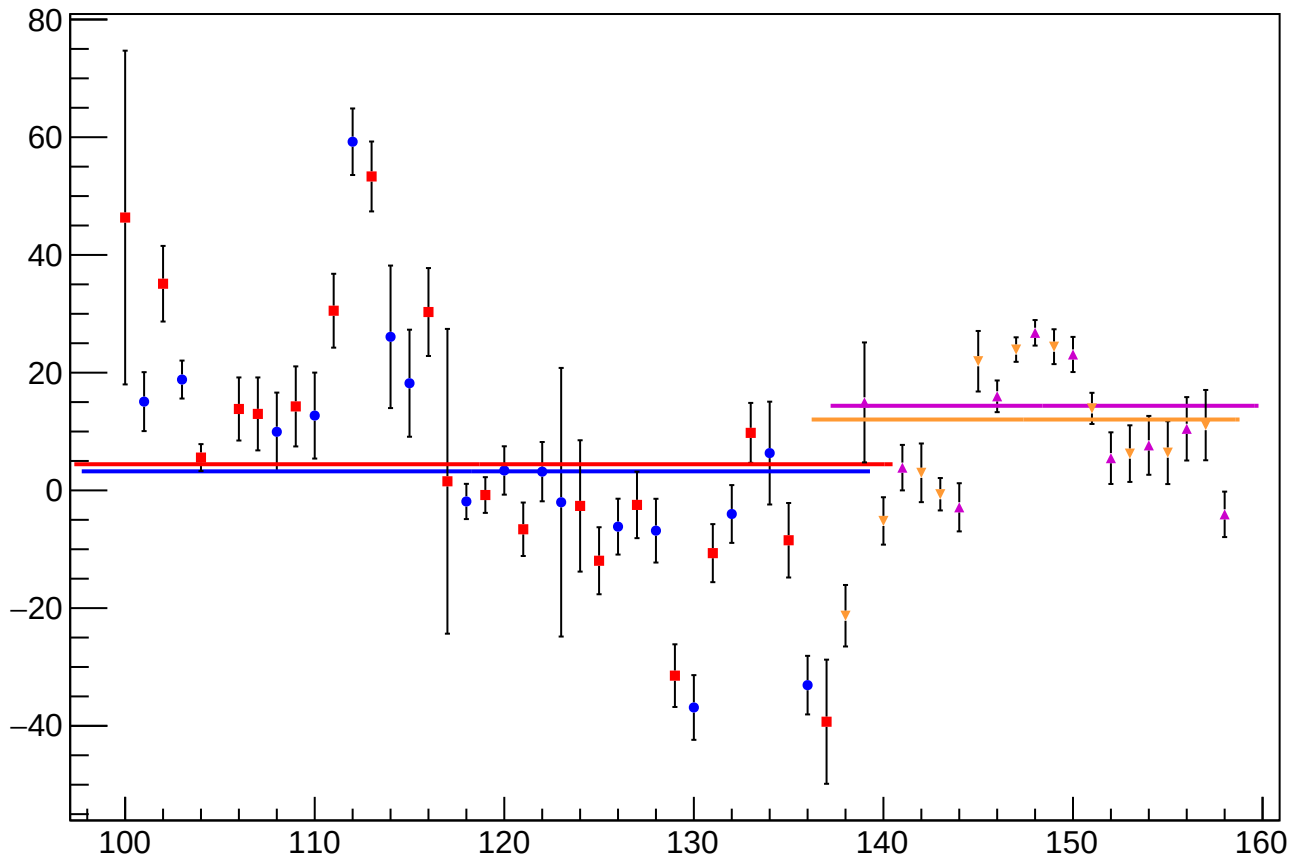
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -281.423+/-1.721 χ^2/NDF : 115.1/9

-254.202+/-1.631 χ^2/NDF : 1186.5/10

-281.423+/-1.721 χ^2/NDF : 115.1/9

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 3.237 $\pm$ 1.244 χ^2/NDF : 255.3/16

Left Out: 12.041 $\pm$ 1.053 χ^2/NDF :140.4/10

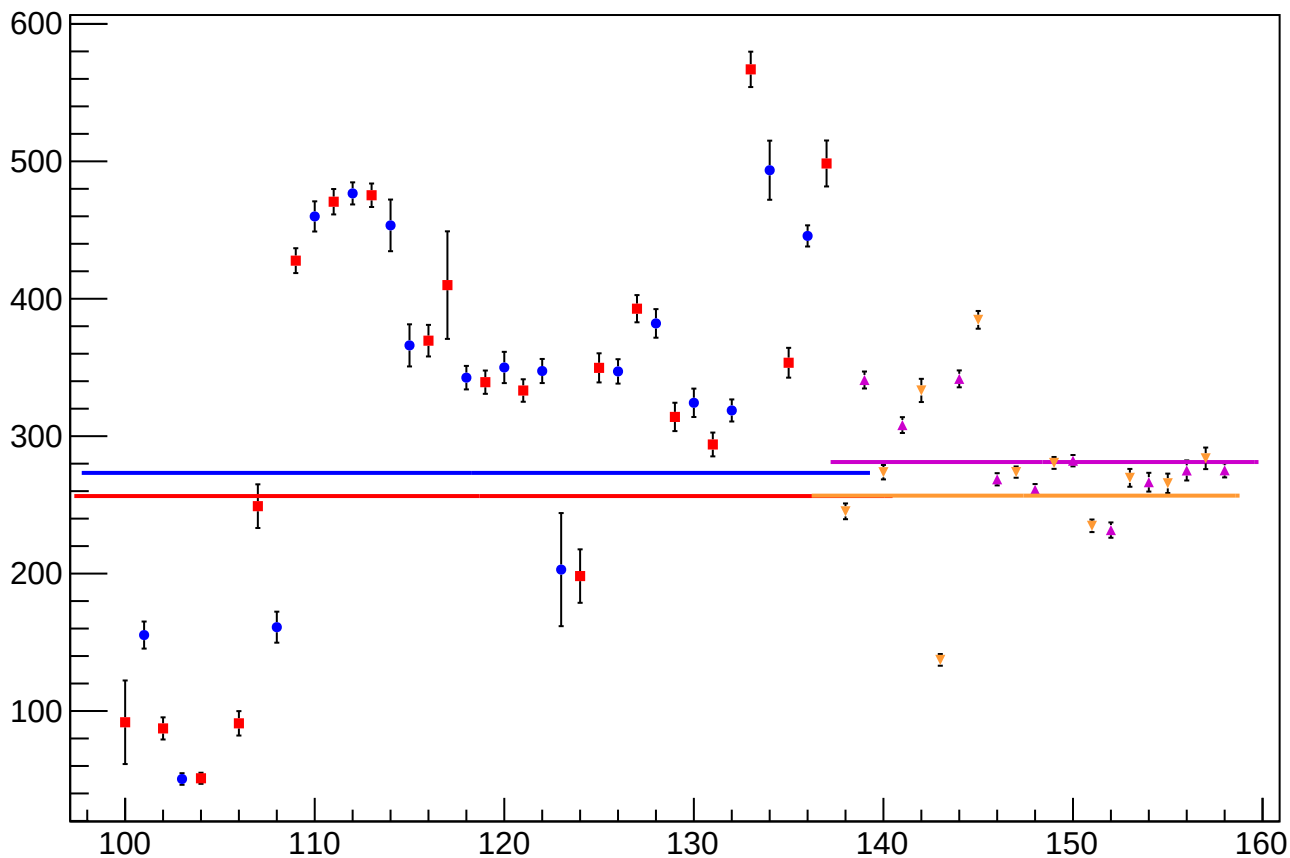
Right Out: 4.444 $\pm$ 1.156 χ^2/NDF : 225.8/19

Left In: 14.374 $\pm$ 1.123 χ^2/NDF :95.9/9

8.366 $\pm$ 0.804 χ^2/NDF : 424.9/27

9.551 $\pm$ 0.806 χ^2/NDF : 359.7/29

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: 256.723 ± 1.621 $\chi^2/\text{NDF}: 1365.6/10$

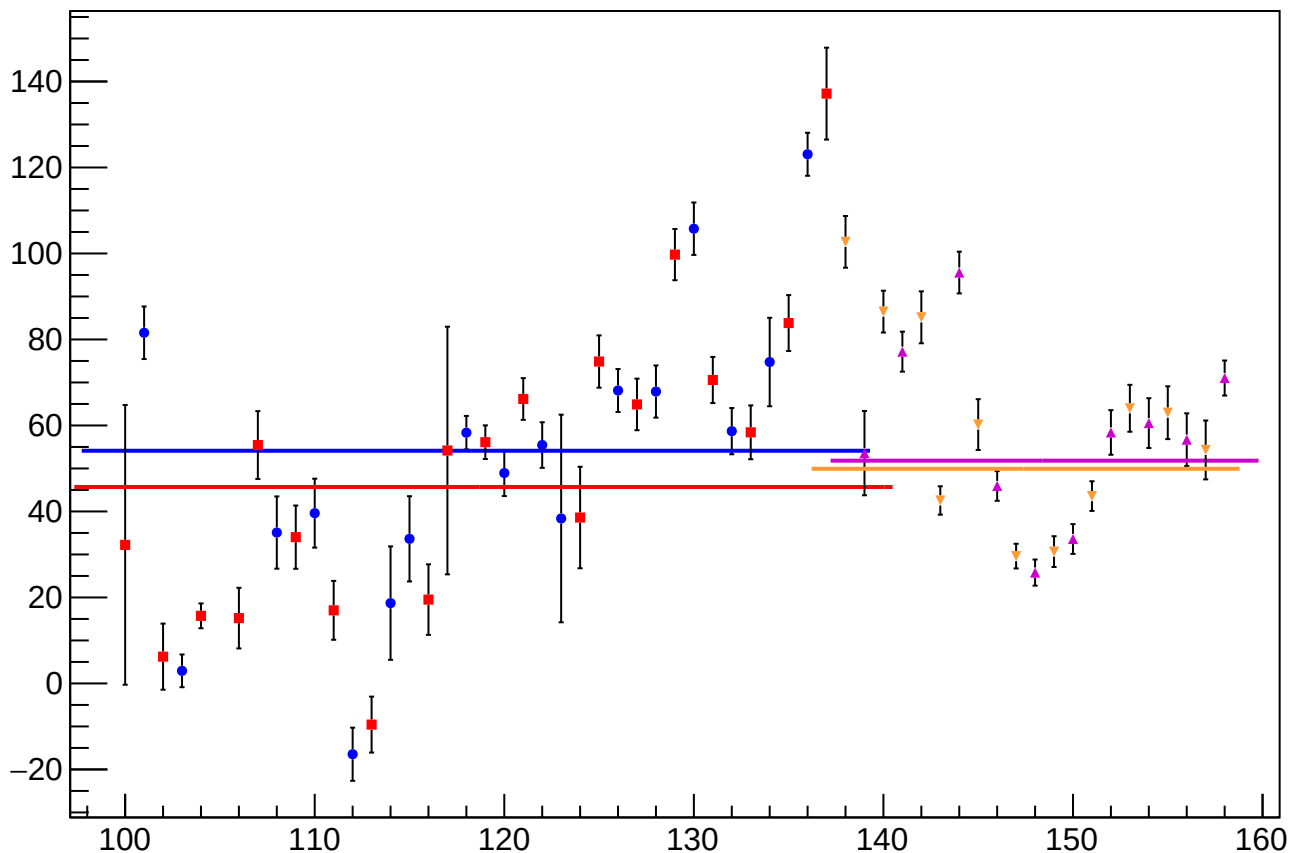
Right Out: 256.418 ± 2.077 $\chi^2/\text{NDF}: 6453.9/19$

Left In: 281.177 ± 1.672 $\chi^2/\text{NDF}: 328.7/9$

262.531 ± 1.306 $\chi^2/\text{NDF}: 6503.7/27$

271.441 ± 1.302 $\chi^2/\text{NDF}: 6868.9/29$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 54.119+/-1.438 χ^2/NDF : 633.9/16

Left Out: 49.924+/-1.310 χ^2/NDF : 269.5/10

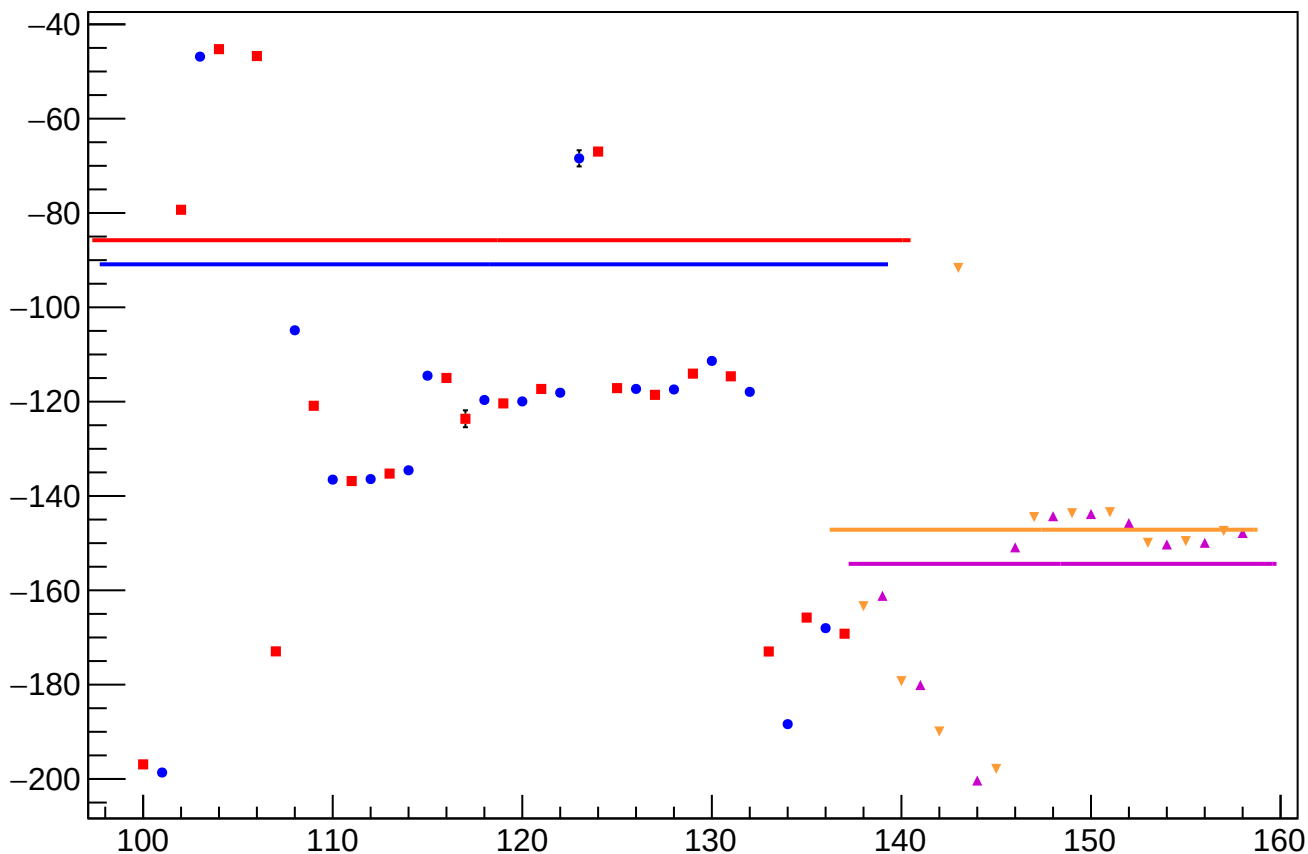
Right Out: 45.694+/-1.356 χ^2/NDF : 531.1/19

Left In: 51.817+/-1.375 χ^2/NDF : 241.7/9

51.827+/-0.968 χ^2/NDF : 908.1/27

48.711+/-0.965 χ^2/NDF : 782.9/29

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -90.881+/-0.068 χ^2/NDF : 533423.8/16

Left Out: -147.153+/-0.066 χ^2/NDF : 186771.5/10

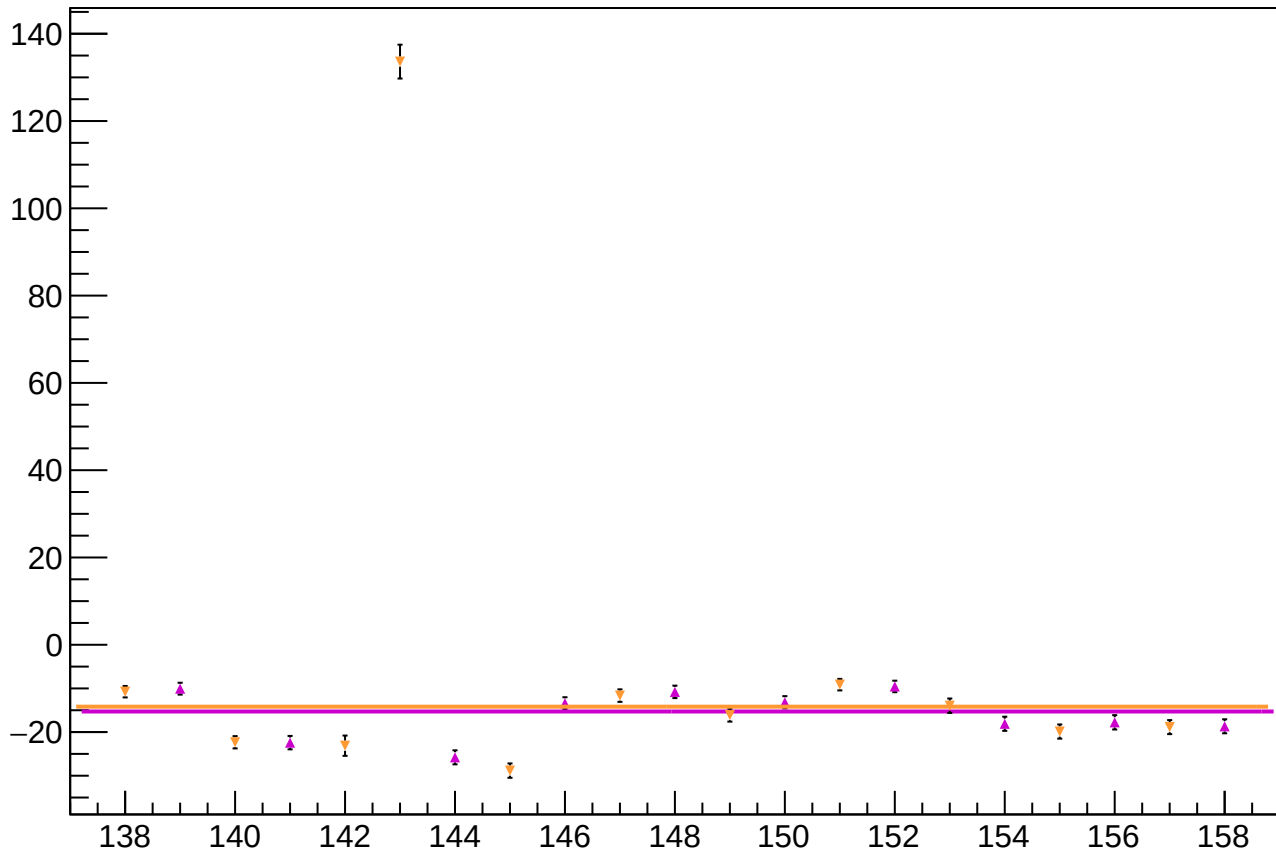
Right Out: -85.772+/-0.065 χ^2/NDF : 494629.5/19

Left In: -154.387+/-0.067 χ^2/NDF : 52597.8/9

-119.553+/-0.047 χ^2/NDF : 1071658.7/27

-119.126+/-0.047 χ^2/NDF : 1088531.8/29

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: -14.180+/-0.480 χ^2/NDF :1624.5/10

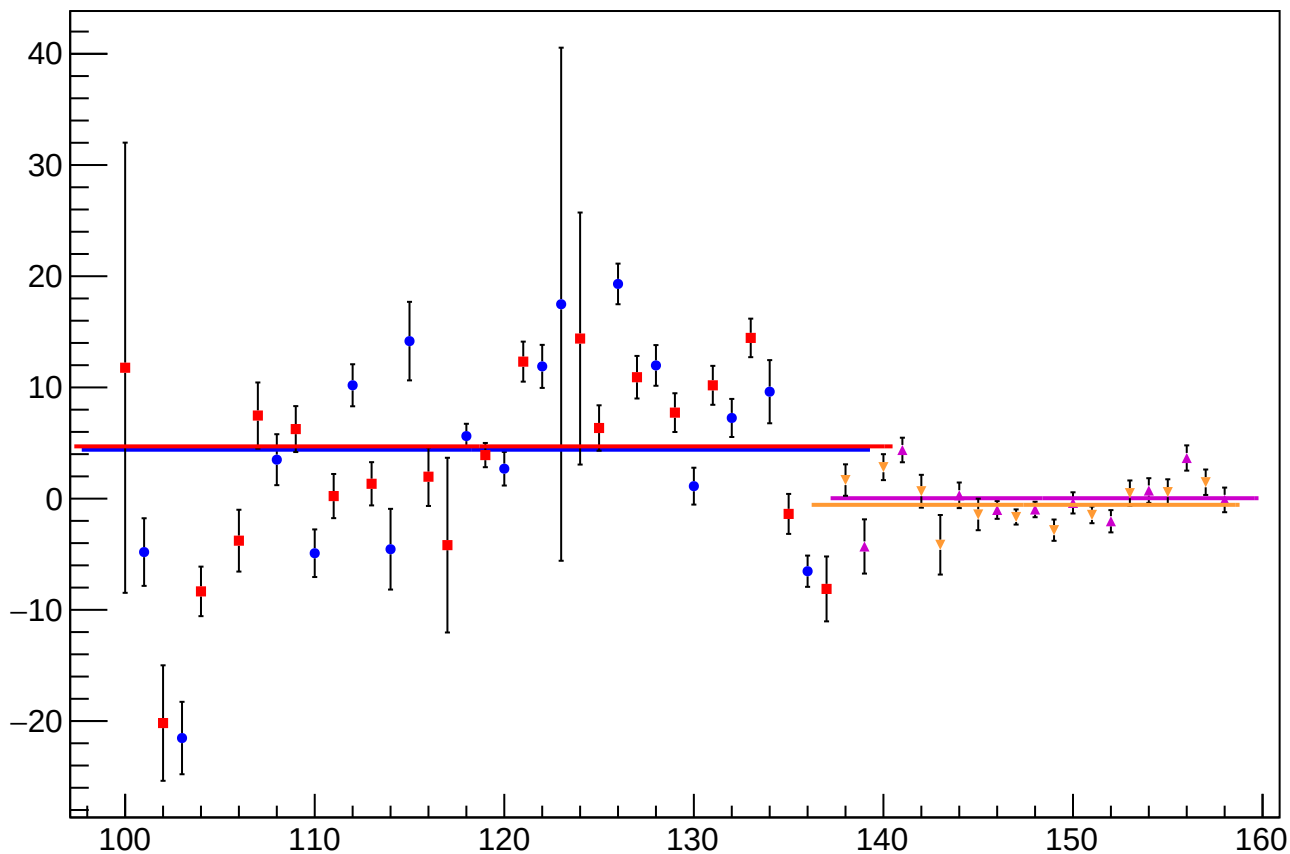
-14.180+/-0.480 χ^2/NDF : 1624.5/10

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

-15.288+/-0.467 χ^2/NDF : 121.6/9

Left In: -15.288+/-0.467 χ^2/NDF :121.6/9

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: 4.399 ± 0.471 χ^2/NDF : 286.8/16

Left Out: -0.557 ± 0.322 χ^2/NDF : 28.5/10

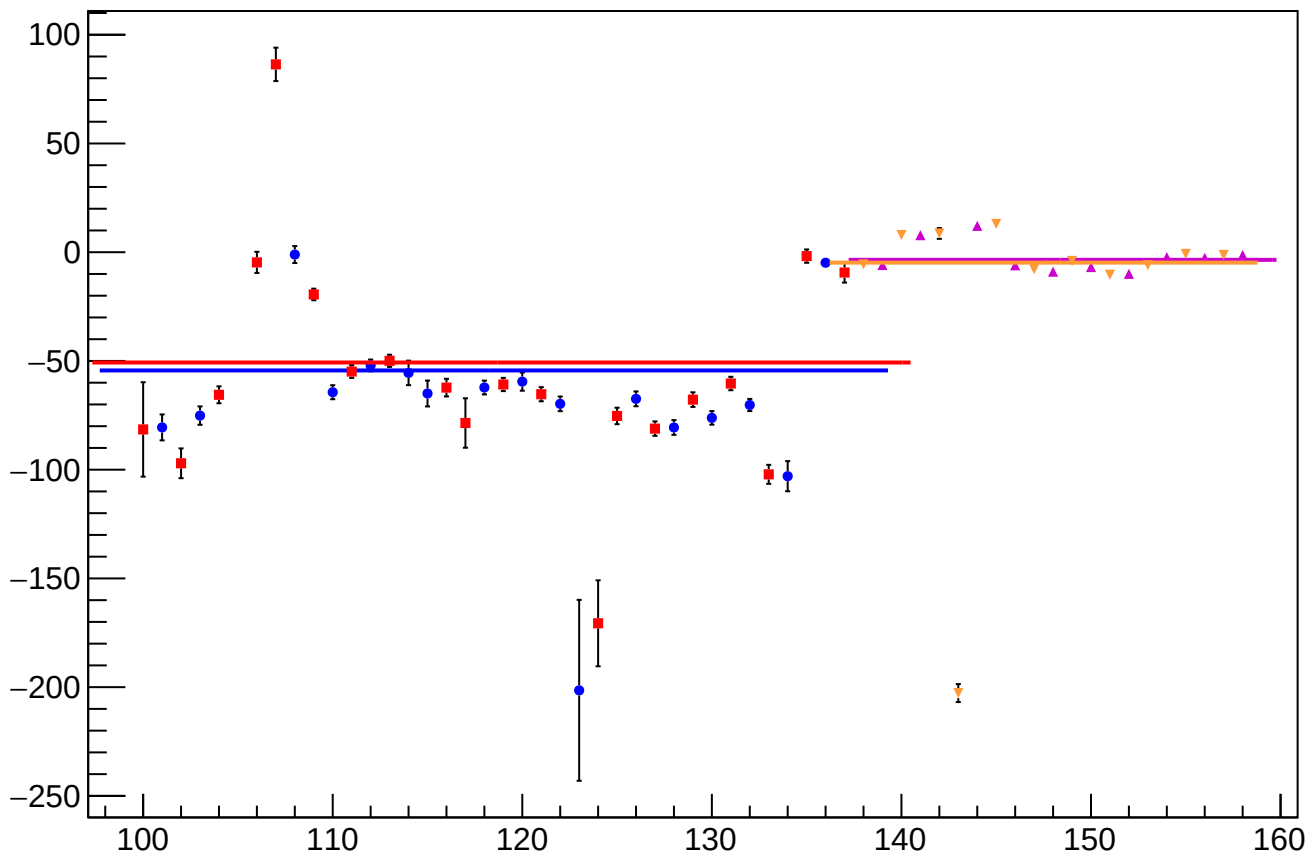
Right Out: 4.700 ± 0.472 χ^2/NDF : 184.2/19

Left In: 0.038 ± 0.318 χ^2/NDF : 37.5/9

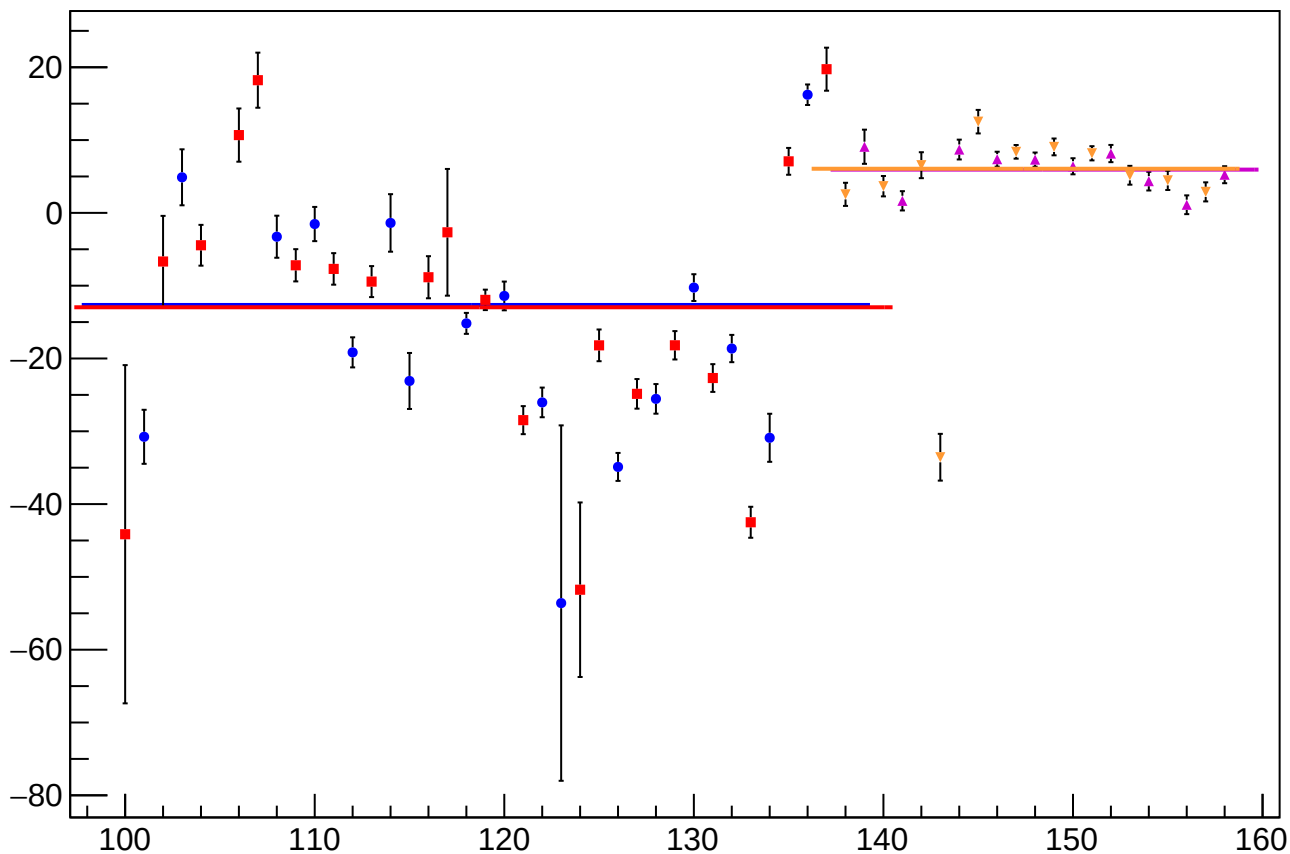
1.021 ± 0.266 χ^2/NDF : 390.7/27

1.494 ± 0.264 χ^2/NDF : 288.7/29

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: 6.061 ± 0.396 χ^2/NDF : 201.6/10

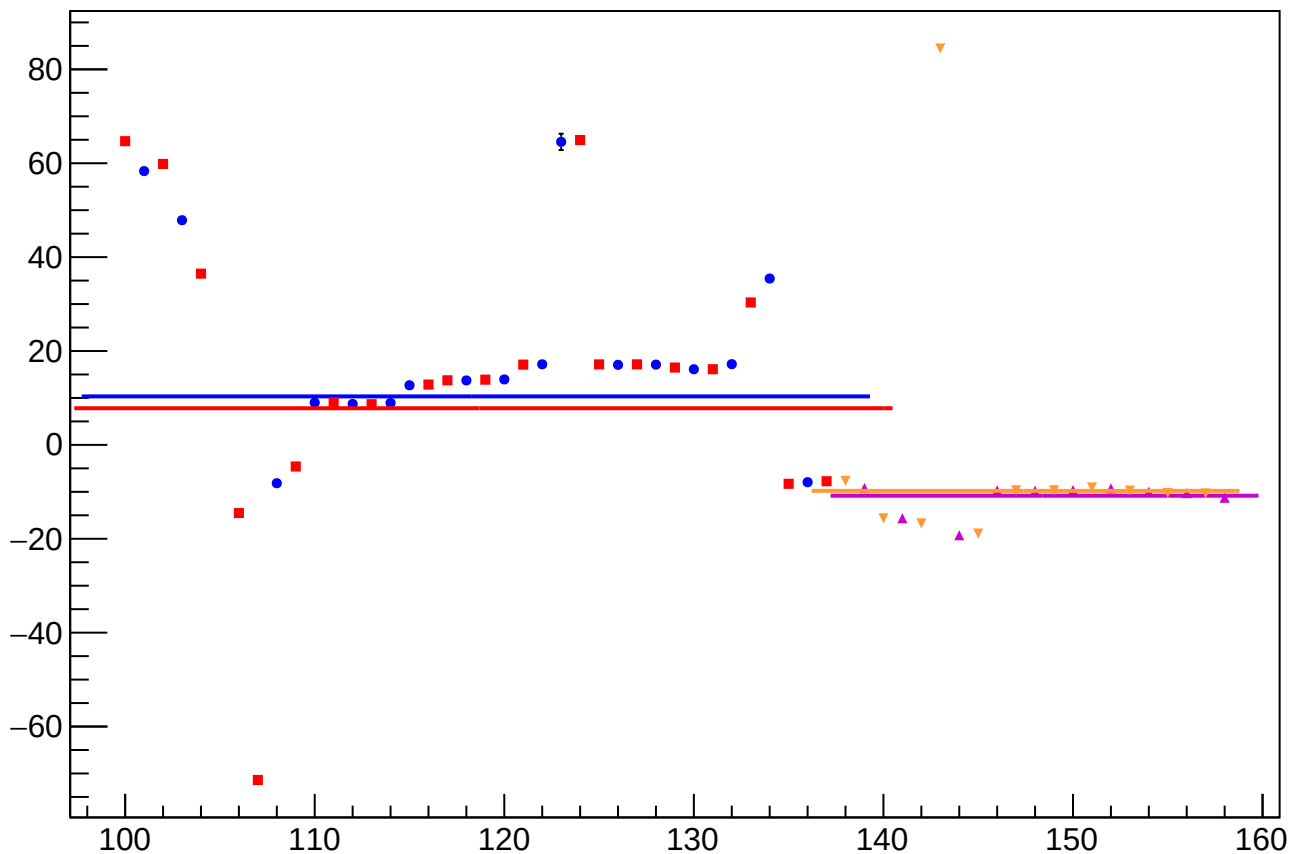
Right Out: -12.965 ± 0.536 χ^2/NDF : 722.8/19

Left In: 5.942 ± 0.384 χ^2/NDF : 39.9/9

-0.532 ± 0.318 χ^2/NDF : 1778.2/27

-0.465 ± 0.312 χ^2/NDF : 1583.8/29

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: -9.795+/-0.019 χ^2/NDF : 354698.3/10

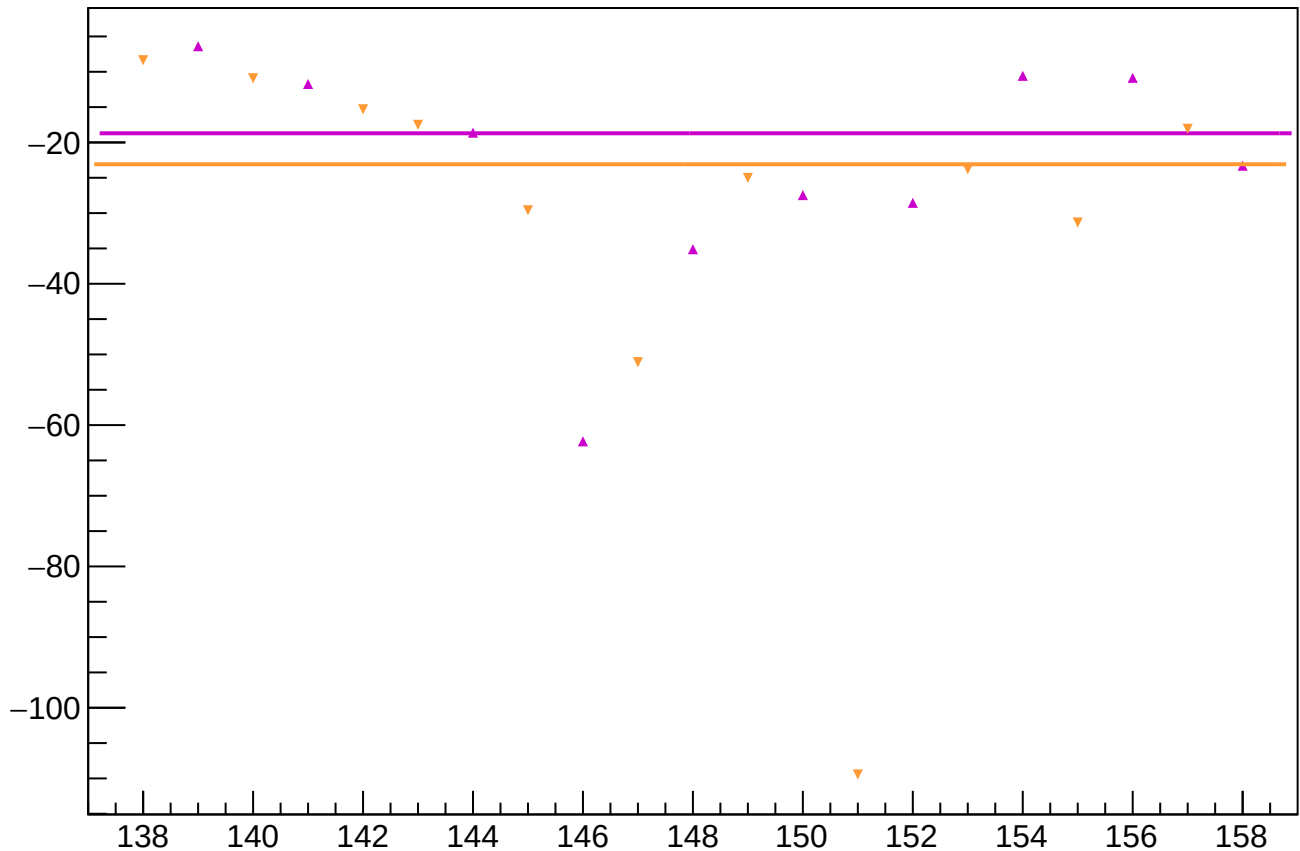
Right Out: 7.808+/-0.031 χ^2/NDF : 544249.7/19

Left In: -10.825+/-0.018 χ^2/NDF : 21382.9/9

-4.374+/-0.016 χ^2/NDF : 1050027.2/27

-6.277+/-0.015 χ^2/NDF : 834391.6/29

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



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

Left Out: -23.087+/-0.081 χ^2/NDF : 50366.3/10

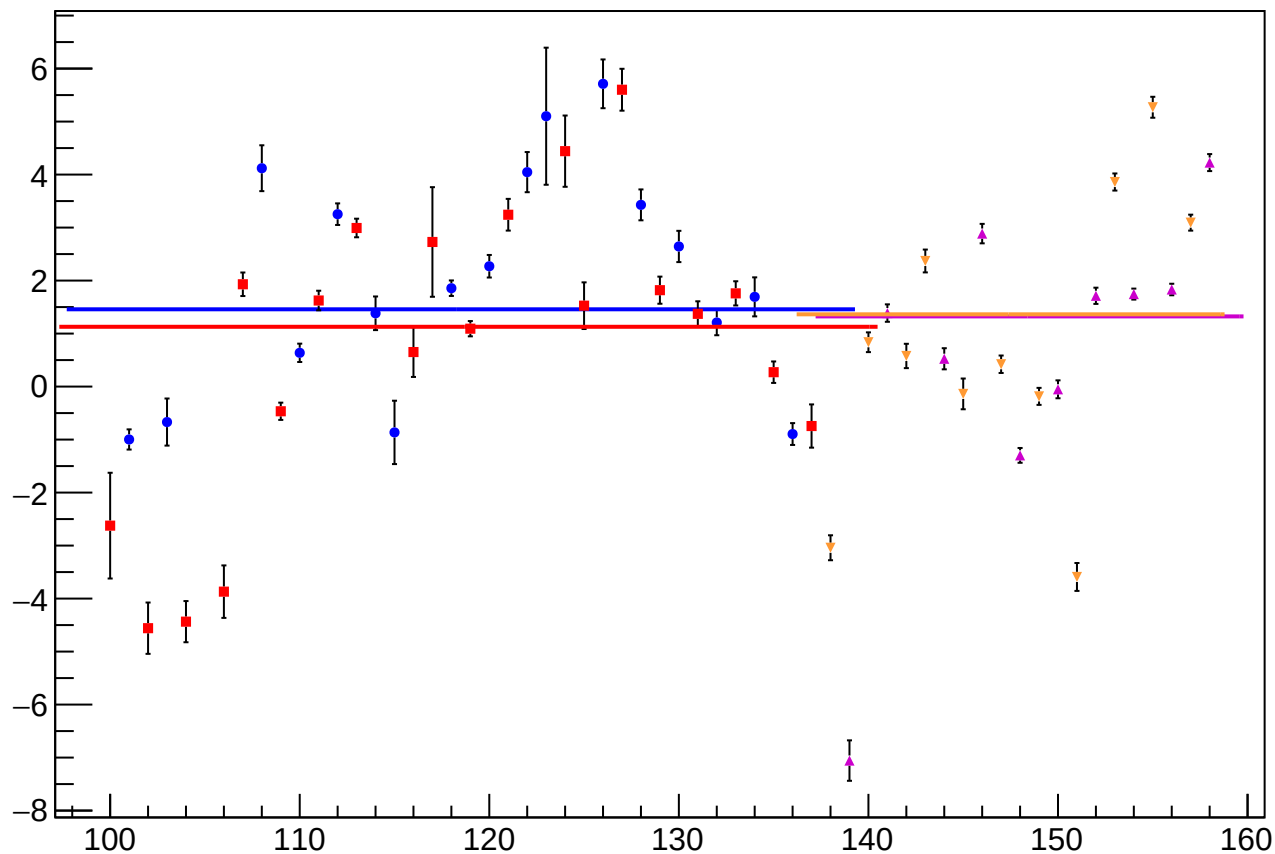
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -18.704+/-0.068 χ^2/NDF : 35750.0/9

-23.087+/-0.081 χ^2/NDF : 50366.3/10

-18.704+/-0.068 χ^2/NDF : 35750.0/9

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 1.458 $\pm$ 0.062 χ^2 /NDF: 698.2/16

Left Out: 1.363 $\pm$ 0.058 χ^2 /NDF:1659.9/10

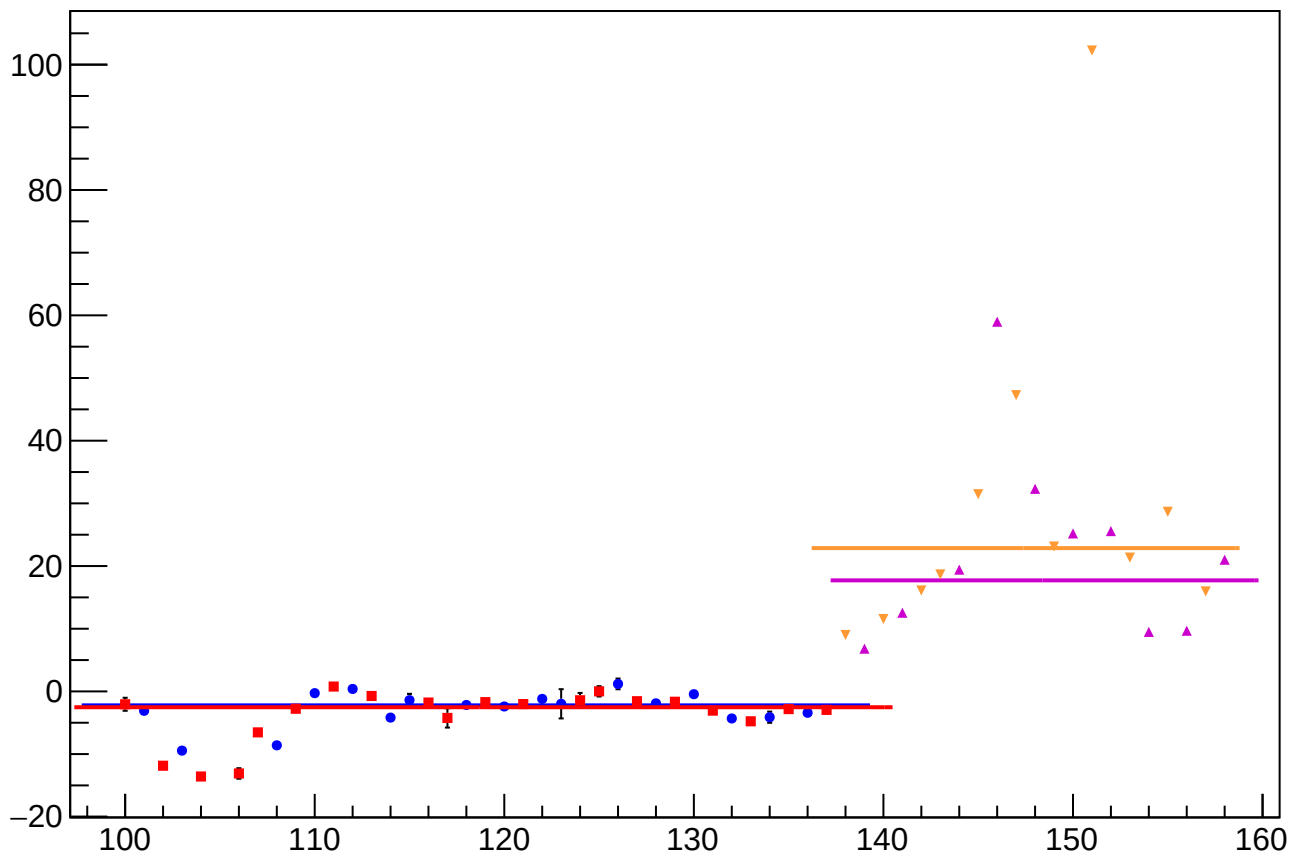
Right Out: 1.128 $\pm$ 0.058 χ^2 /NDF: 949.8/19

Left In: 1.324 $\pm$ 0.047 χ^2 /NDF:1362.0/9

1.408 $\pm$ 0.042 χ^2 /NDF: 2359.3/27

1.246 $\pm$ 0.037 χ^2 /NDF: 2318.6/29

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -2.228 ± 0.111 χ^2/NDF : 460.4/16

Left Out: 22.864 ± 0.080 χ^2/NDF : 45476.2/10

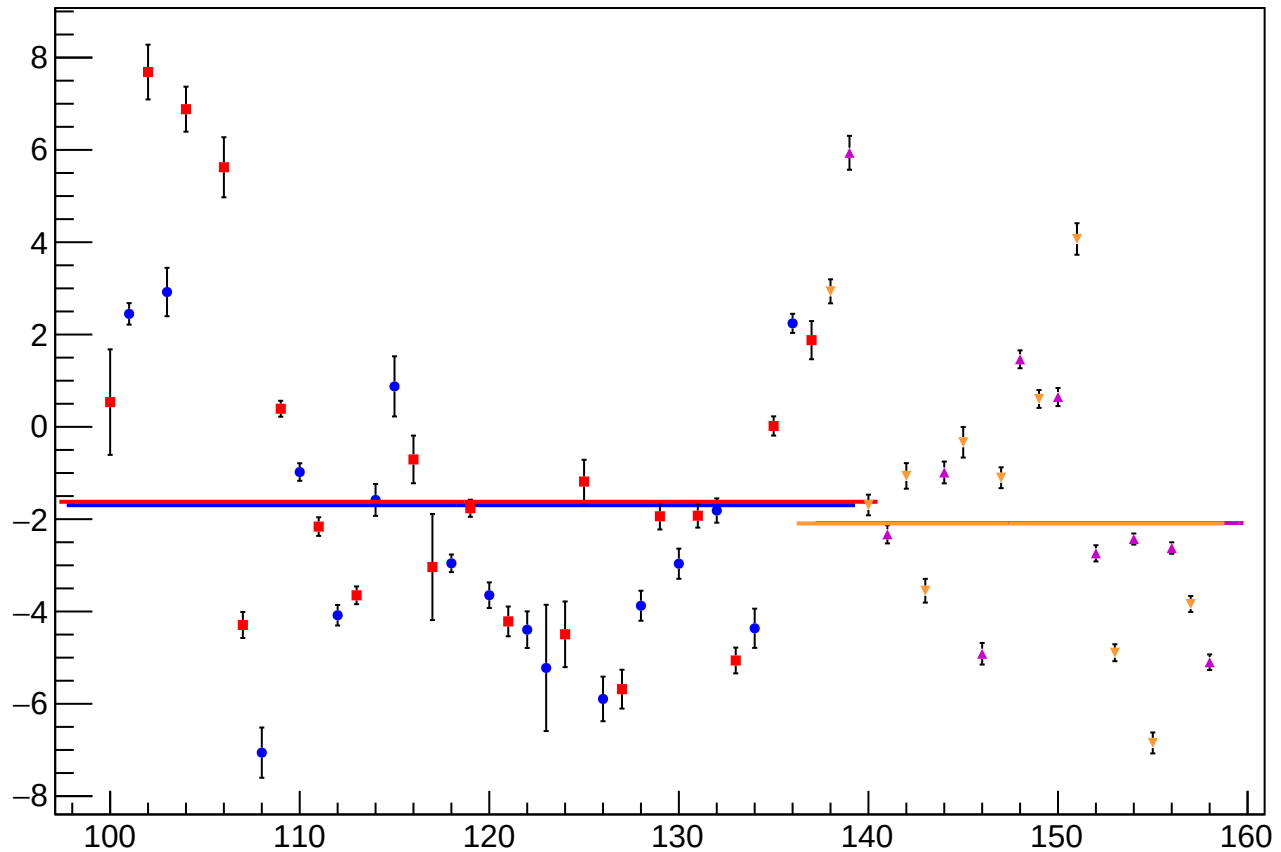
Right Out: -2.527 ± 0.099 χ^2/NDF : 905.2/19

Left In: 17.717 ± 0.066 χ^2/NDF : 33712.9/9

14.324 ± 0.065 χ^2/NDF : 79482.5/27

11.488 ± 0.055 χ^2/NDF : 63700.3/29

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.697 ± 0.071 $\chi^2/\text{NDF}: 1319.4/16$

Left Out: -2.093 ± 0.069 $\chi^2/\text{NDF}: 1765.6/10$

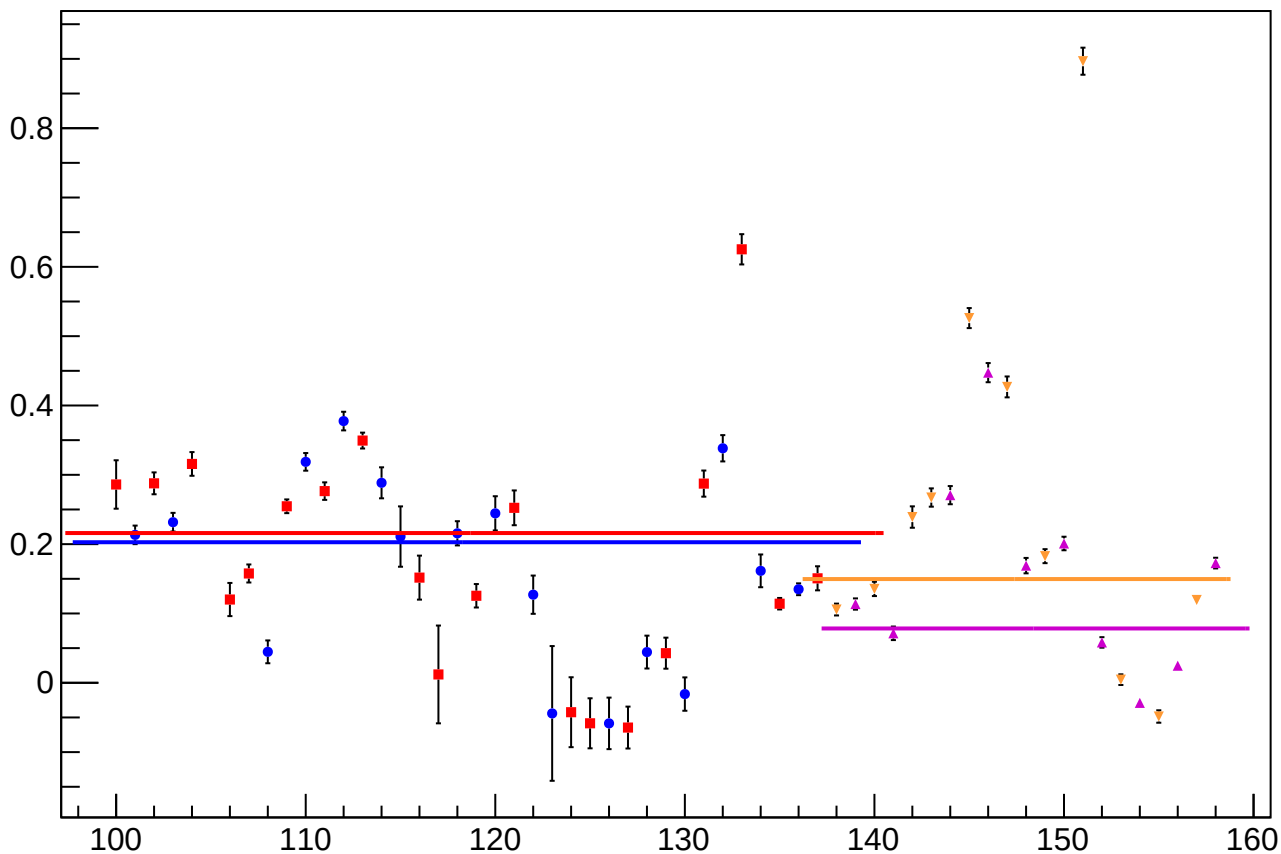
Right Out: -1.623 ± 0.066 $\chi^2/\text{NDF}: 1490.8/19$

Left In: -2.083 ± 0.055 $\chi^2/\text{NDF}: 1535.7/9$

-1.901 ± 0.050 $\chi^2/\text{NDF}: 3100.9/27$

-1.891 ± 0.042 $\chi^2/\text{NDF}: 3055.2/29$

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.203 ± 0.004 χ^2/NDF : 676.5/16

Left Out: 0.150 ± 0.003 χ^2/NDF : 3499.0/10

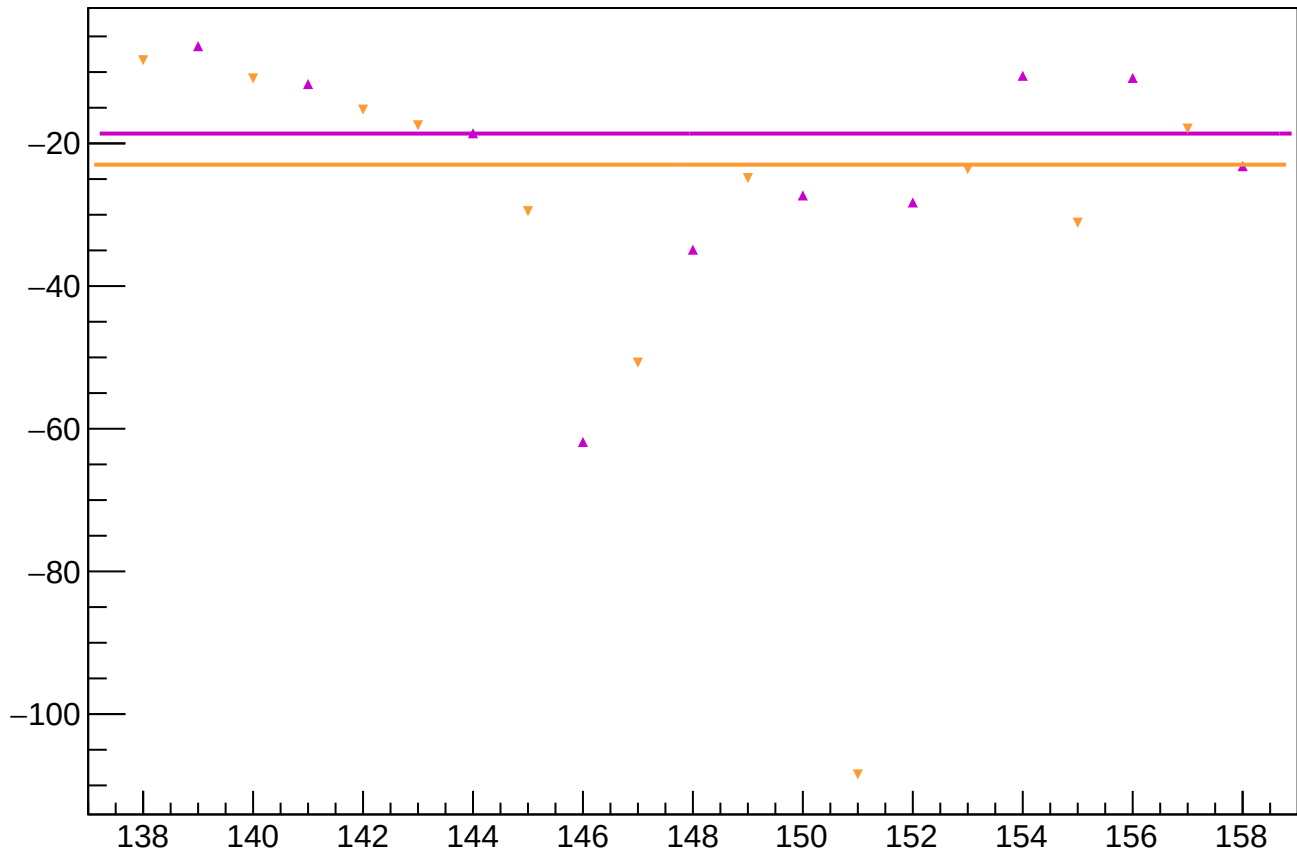
Right Out: 0.216 ± 0.004 χ^2/NDF : 1072.8/19

Left In: 0.078 ± 0.002 χ^2/NDF : 1928.3/9

0.168 ± 0.002 χ^2/NDF : 4281.8/27

0.119 ± 0.002 χ^2/NDF : 3979.1/29

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



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

Left Out: -22.978+/-0.080 χ^2/NDF : 50256.8/10

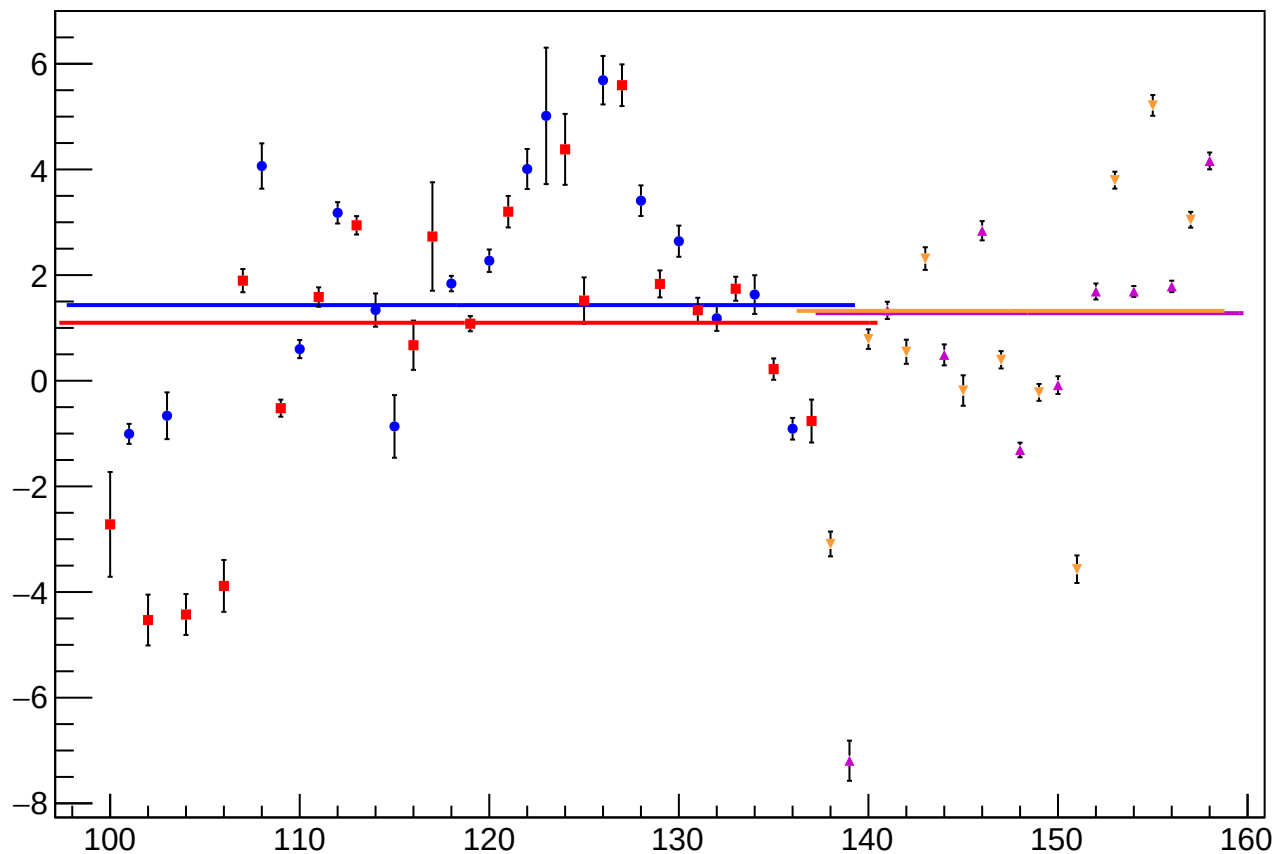
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -18.620+/-0.068 χ^2/NDF : 35671.9/9

-22.978+/-0.080 χ^2/NDF : 50256.8/10

-18.620+/-0.068 χ^2/NDF : 35671.9/9

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 1.432 ± 0.062 χ^2/NDF : 696.6/16

Left Out: 1.323 ± 0.058 χ^2/NDF : 1664.6/10

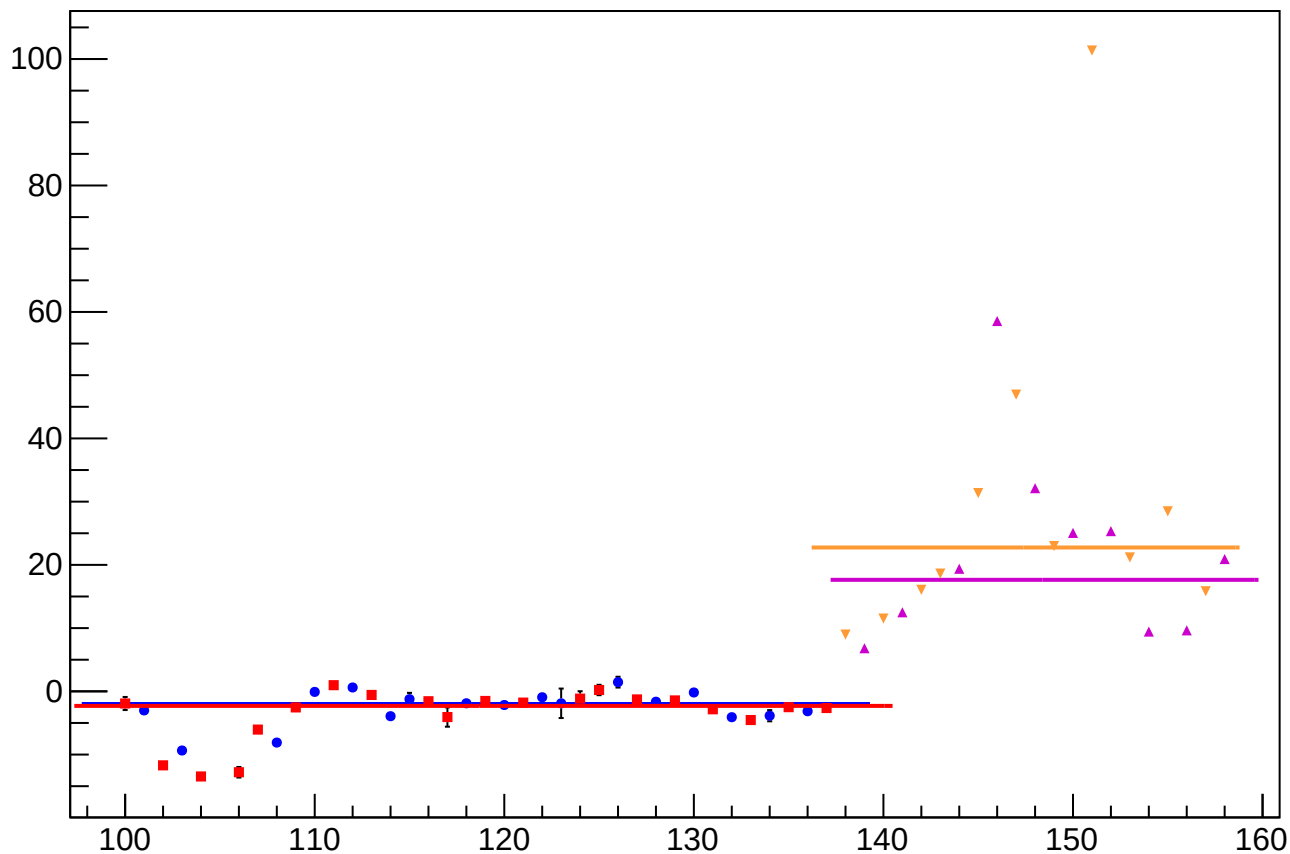
Right Out: 1.098 ± 0.058 χ^2/NDF : 955.7/19

Left In: 1.279 ± 0.047 χ^2/NDF : 1372.4/9

1.374 ± 0.042 χ^2/NDF : 2362.8/27

1.207 ± 0.037 χ^2/NDF : 2334.0/29

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -2.005+/-0.111 χ^2/NDF : 463.1/16

Left Out: 22.749+/-0.079 χ^2/NDF : 45392.2/10

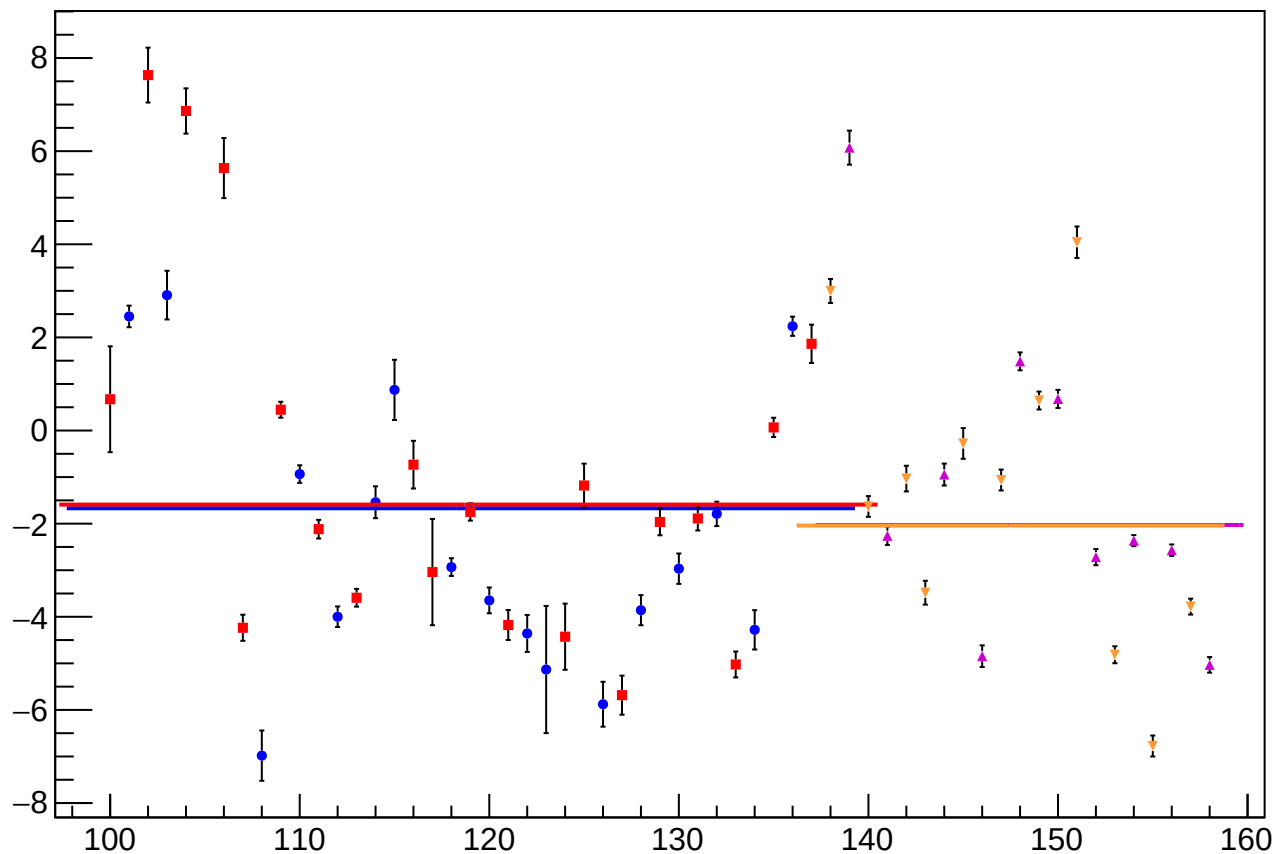
Right Out: -2.302+/-0.098 χ^2/NDF : 908.6/19

Left In: 17.636+/-0.065 χ^2/NDF : 33646.7/9

14.339+/-0.065 χ^2/NDF : 78858.9/27

11.508+/-0.054 χ^2/NDF : 63077.6/29

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -1.669 ± 0.071 χ^2/NDF : 1314.9/16

Left Out: -2.041 ± 0.069 χ^2/NDF : 1771.4/10

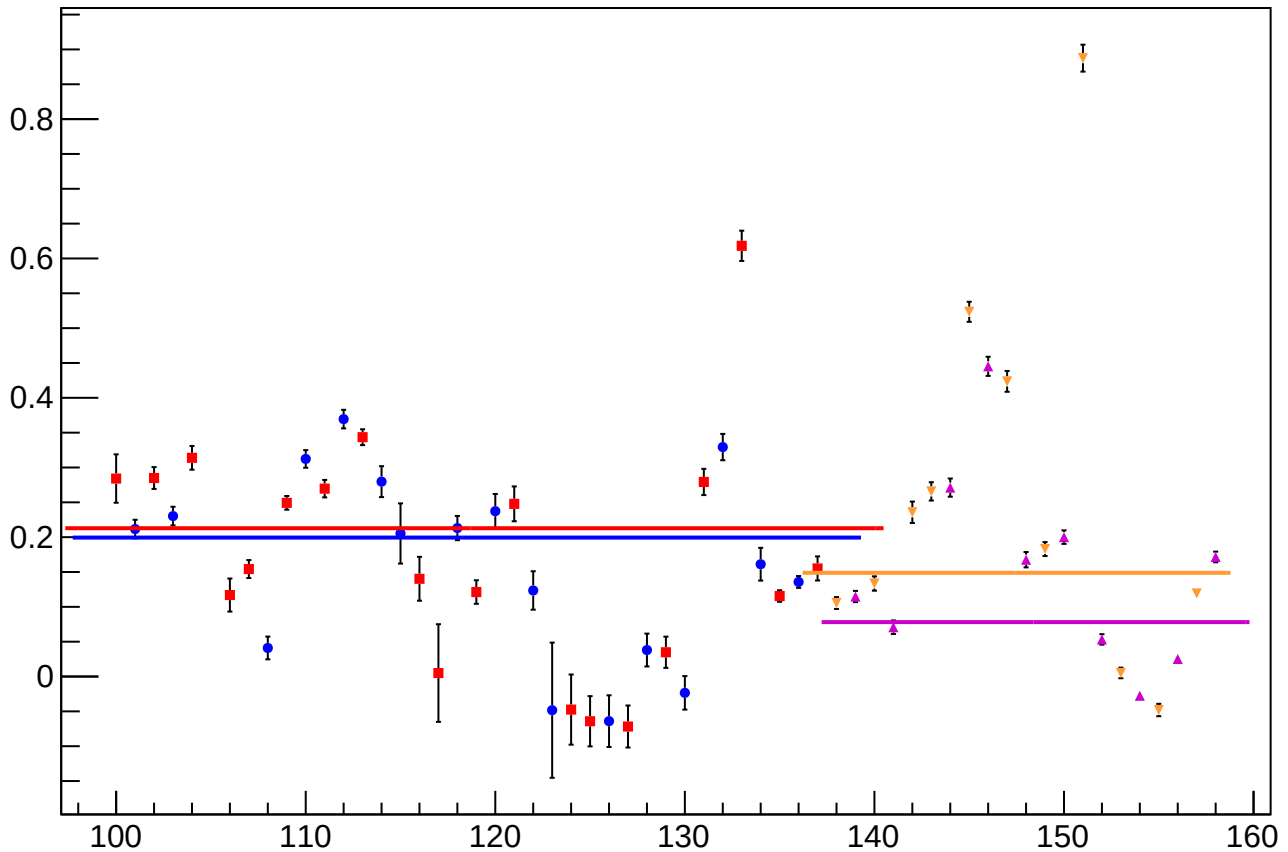
Right Out: -1.590 ± 0.065 χ^2/NDF : 1496.3/19

Left In: -2.028 ± 0.055 χ^2/NDF : 1550.2/9

-1.861 ± 0.049 χ^2/NDF : 3100.6/27

-1.846 ± 0.042 χ^2/NDF : 3072.8/29

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.199+/-0.004 χ^2/NDF : 662.1/16

Left Out: 0.149+/-0.003 χ^2/NDF : 3489.1/10

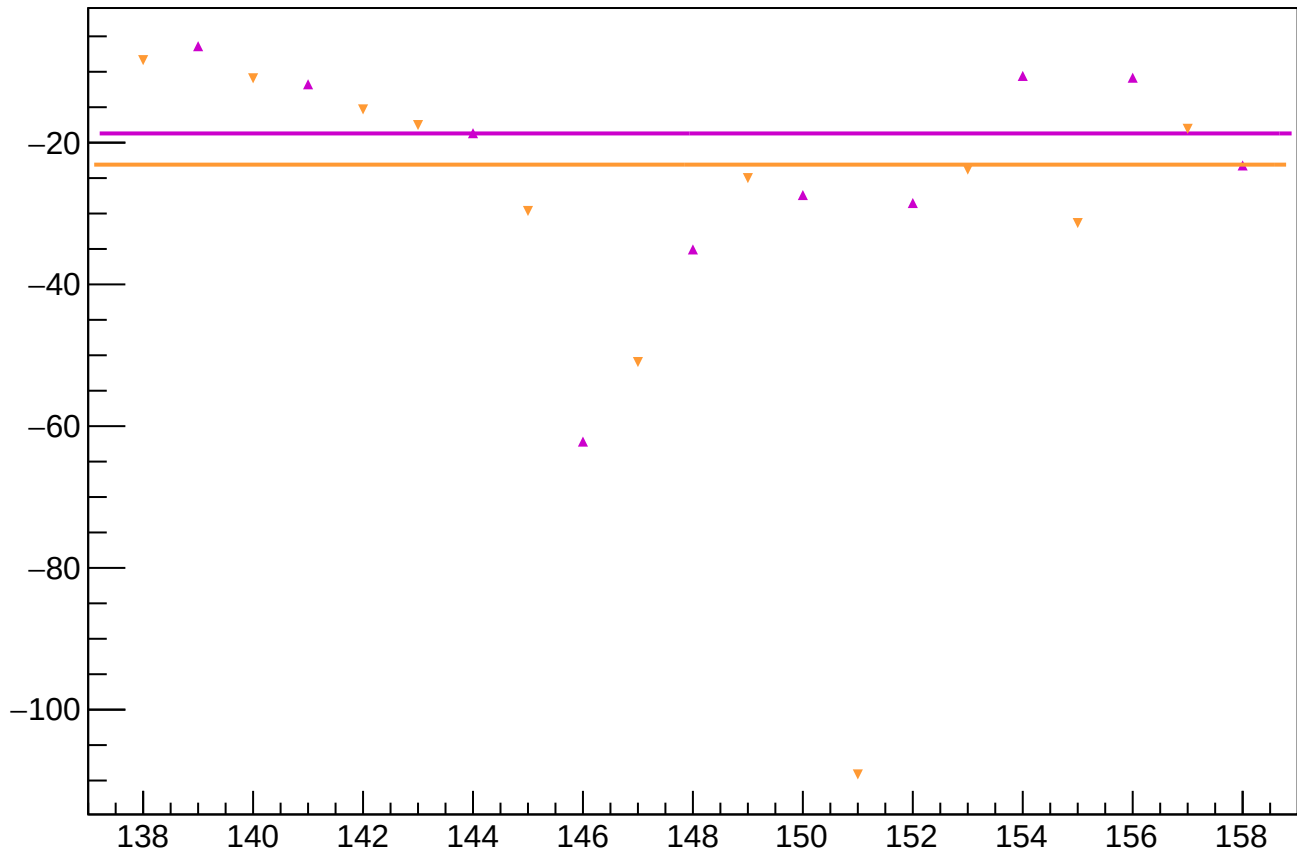
Right Out: 0.213+/-0.004 χ^2/NDF : 1057.0/19

Left In: 0.078+/-0.002 χ^2/NDF : 1928.5/9

0.167+/-0.002 χ^2/NDF : 4248.6/27

0.118+/-0.002 χ^2/NDF : 3932.7/29

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



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

Left Out: -23.102+/-0.081 χ^2/NDF : 50367.2/10

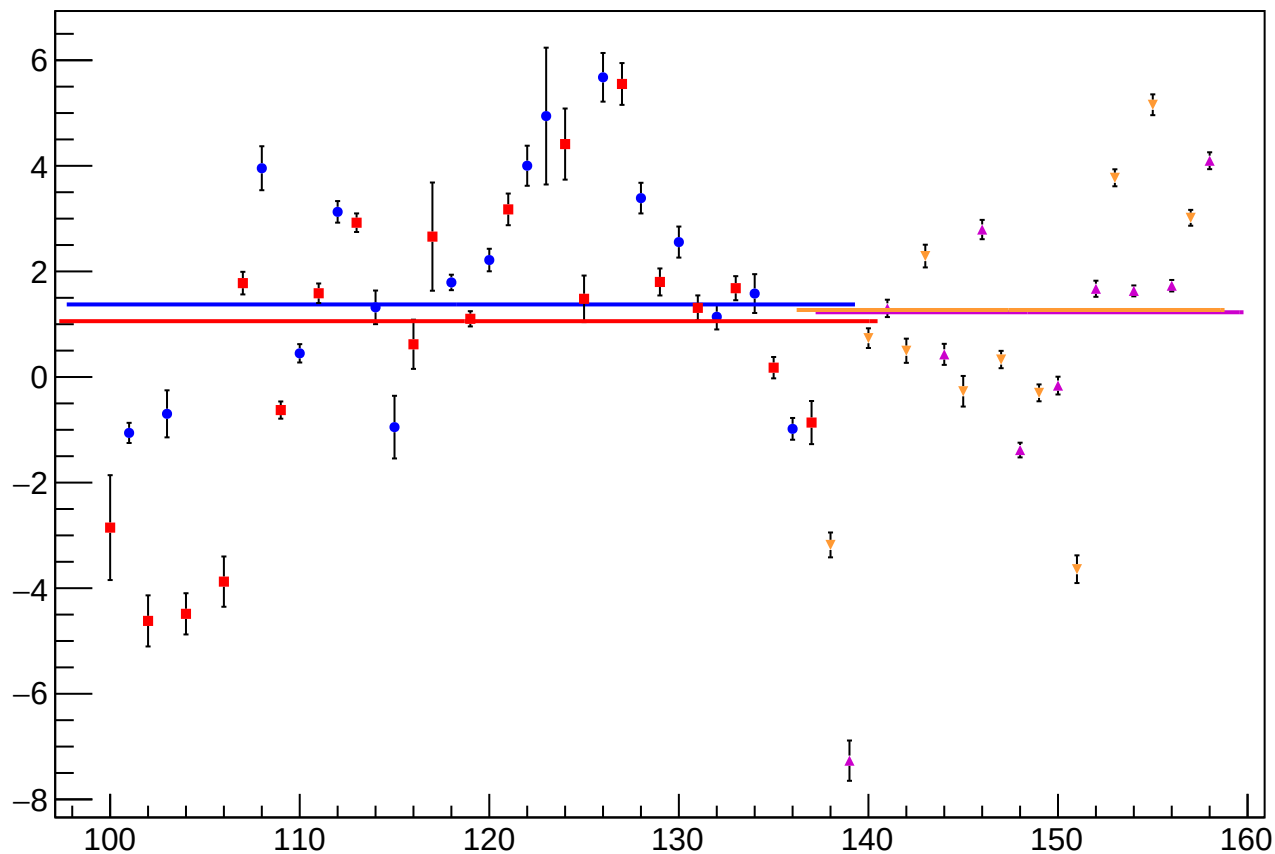
-23.102+/-0.081 χ^2/NDF : 50367.2/10

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

-18.700+/-0.068 χ^2/NDF : 35760.8/9

Left In: -18.700+/-0.068 χ^2/NDF : 35760.8/9

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 1.375 $\pm$ 0.062 χ^2/NDF : 702.4/16

Left Out: 1.269 $\pm$ 0.058 χ^2/NDF :1672.2/10

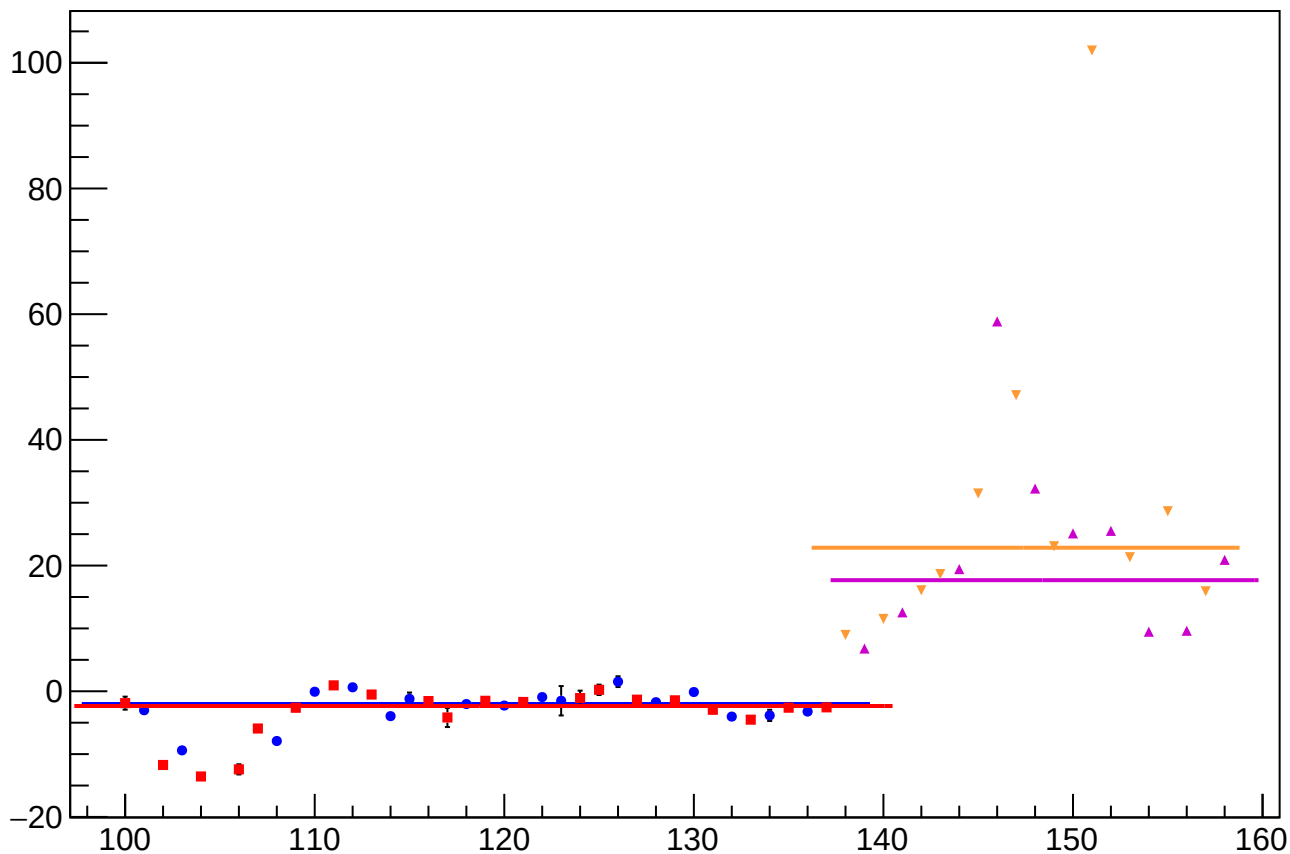
Right Out: 1.058 $\pm$ 0.058 χ^2/NDF : 966.5/19

Left In: 1.226 $\pm$ 0.047 χ^2/NDF :1372.1/9

1.318 $\pm$ 0.042 χ^2/NDF : 2376.1/27

1.159 $\pm$ 0.037 χ^2/NDF : 2343.7/29

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -2.031 ± 0.111 $\chi^2/\text{NDF}: 463.2/16$

Left Out: 22.840 ± 0.080 $\chi^2/\text{NDF}: 45482.7/10$

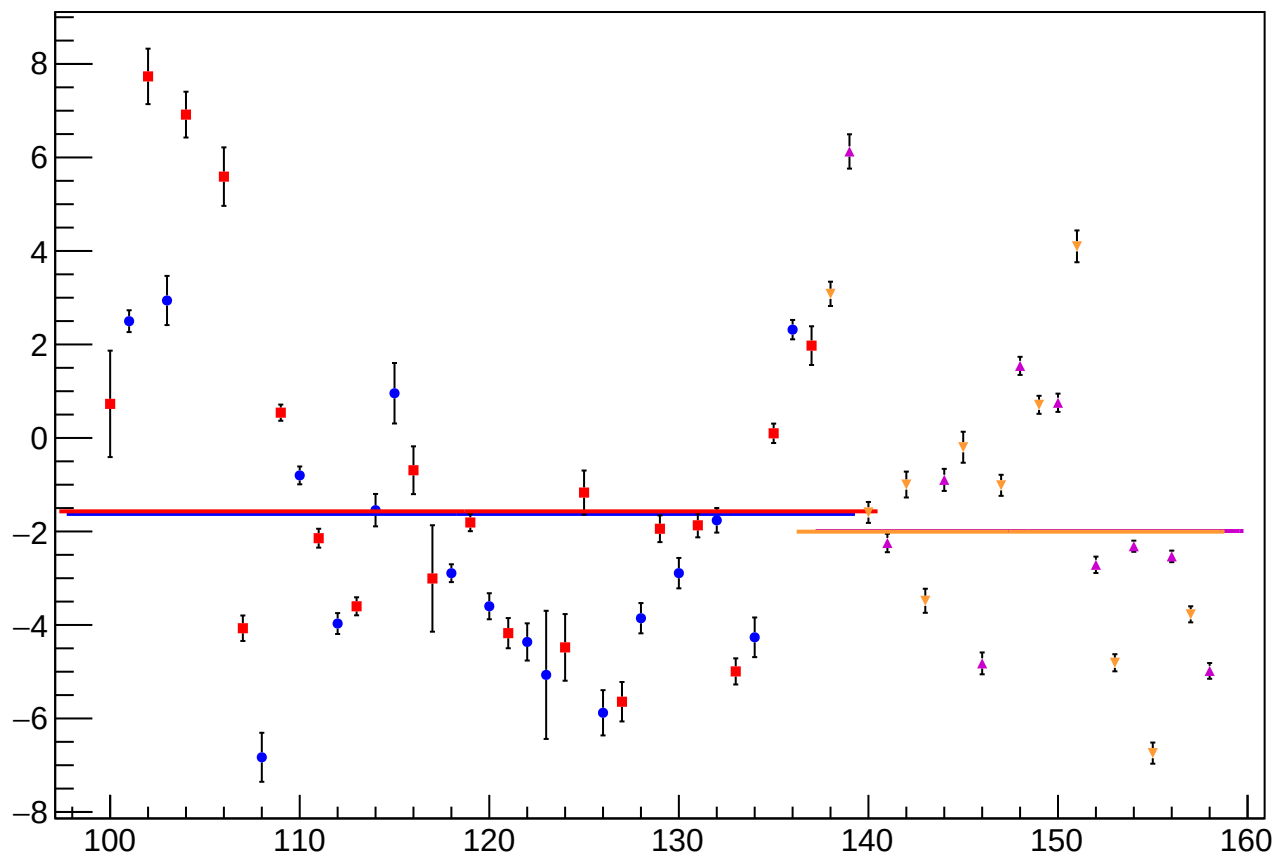
Right Out: -2.344 ± 0.099 $\chi^2/\text{NDF}: 903.4/19$

Left In: 17.675 ± 0.066 $\chi^2/\text{NDF}: 33744.1/9$

14.399 ± 0.065 $\chi^2/\text{NDF}: 78929.6/27$

11.534 ± 0.055 $\chi^2/\text{NDF}: 63147.0/29$

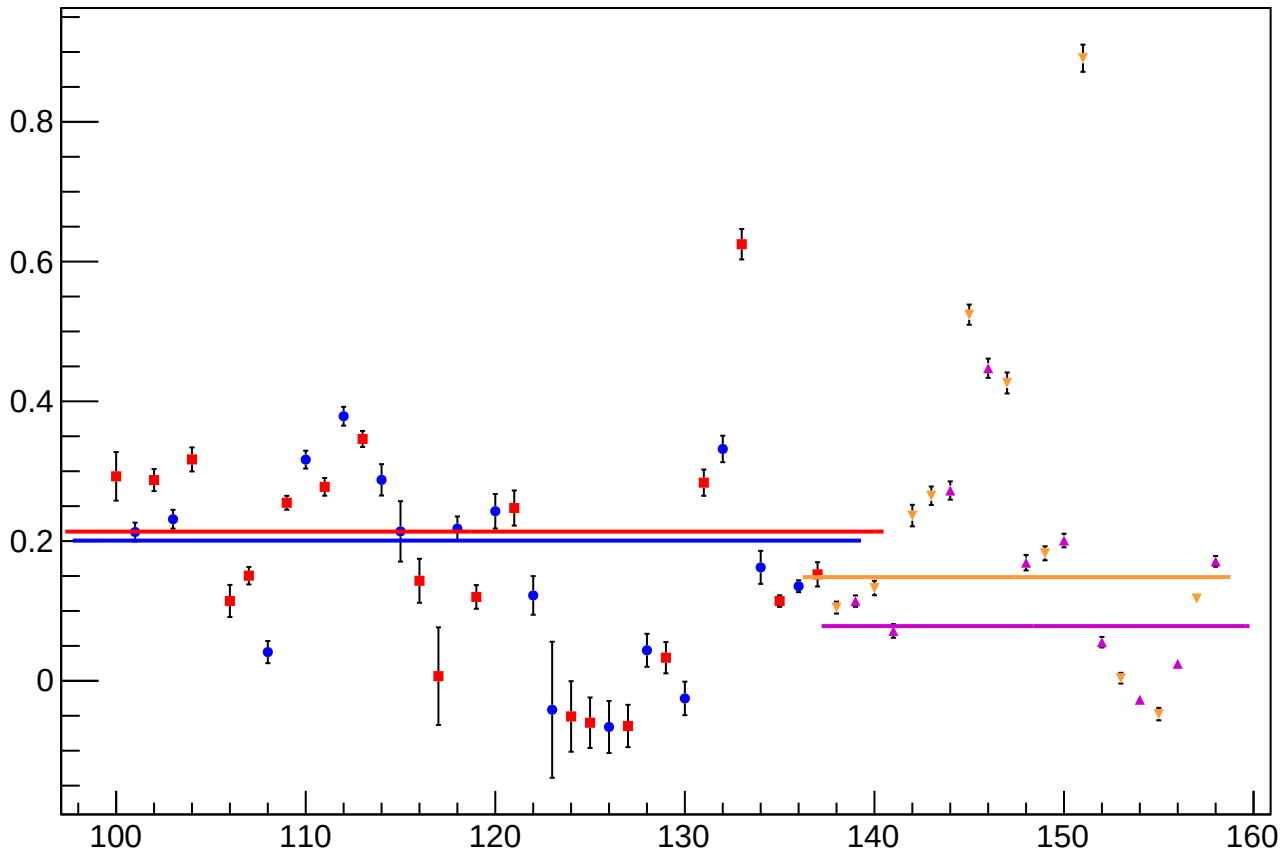
reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



-1.820 ± 0.049 $\chi^2/\text{NDF}: 3115.8/27$

-1.815 ± 0.042 $\chi^2/\text{NDF}: 3081.8/29$

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.201 ± 0.004 χ^2/NDF : 690.6/16

Left Out: 0.148 ± 0.003 χ^2/NDF : 3483.6/10

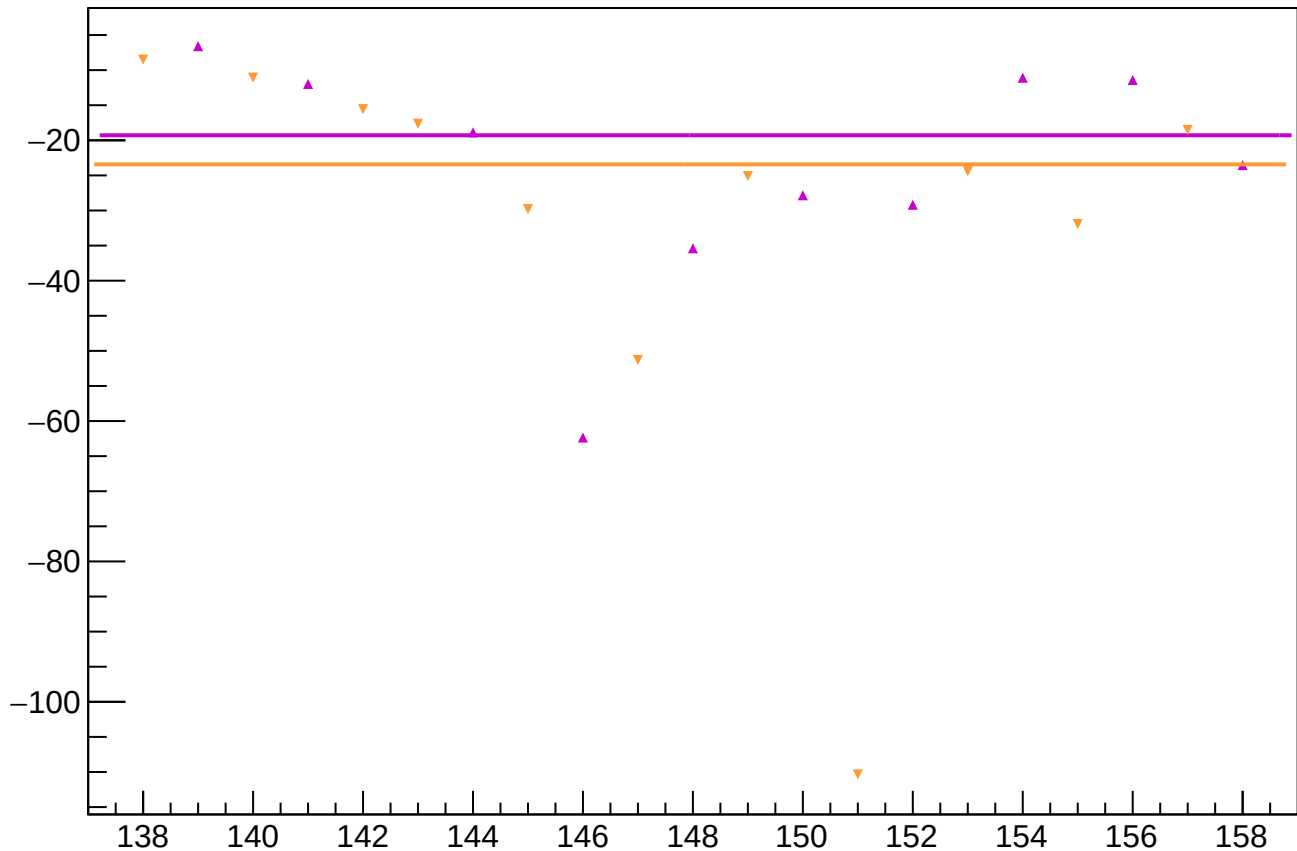
Right Out: 0.214 ± 0.004 χ^2/NDF : 1089.2/19

Left In: 0.078 ± 0.002 χ^2/NDF : 1924.5/9

0.167 ± 0.002 χ^2/NDF : 4277.5/27

0.118 ± 0.002 χ^2/NDF : 3963.7/29

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



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

Left Out: -23.428+/-0.082 χ^2/NDF : 50222.6/10

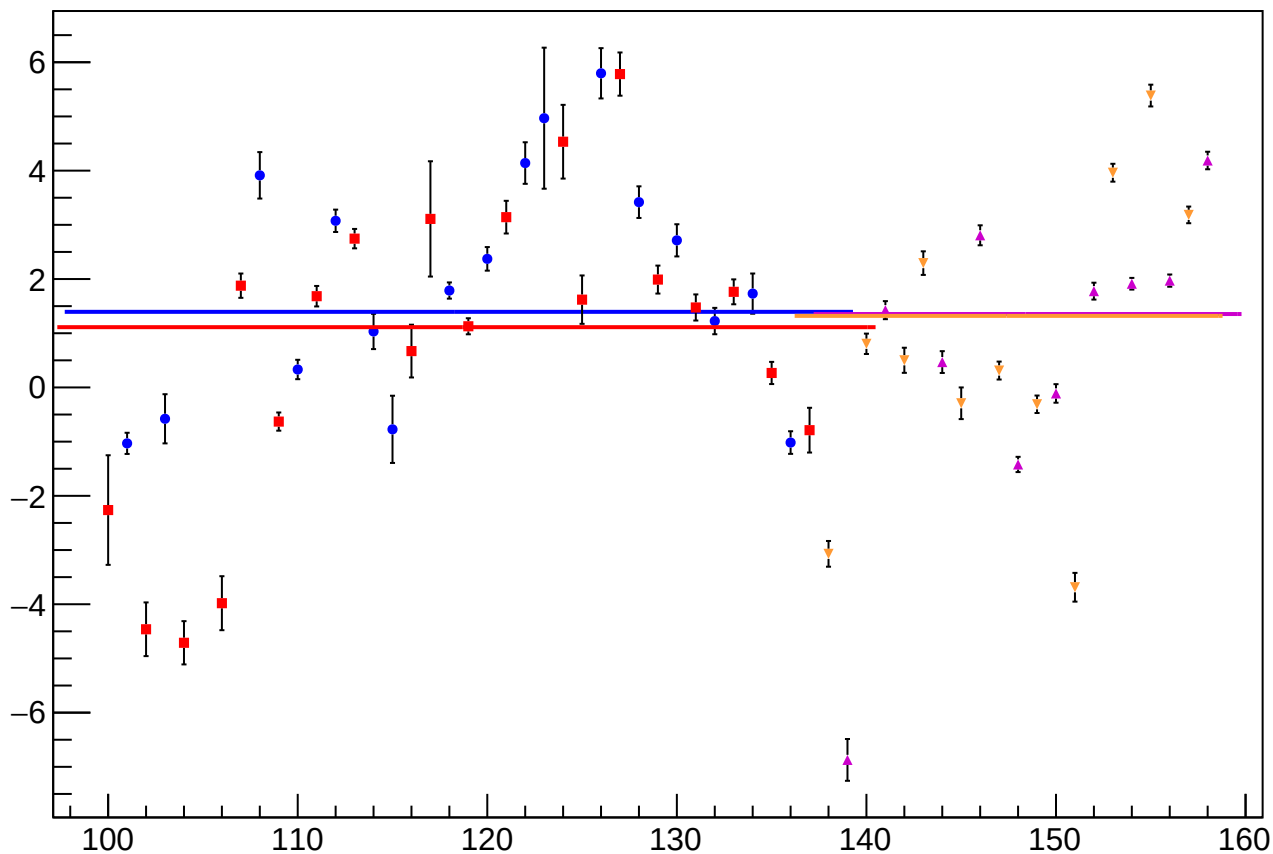
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -19.282+/-0.070 χ^2/NDF : 34680.4/9

-23.428+/-0.082 χ^2/NDF : 50222.6/10

-19.282+/-0.070 χ^2/NDF : 34680.4/9

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 1.395 ± 0.063 $\chi^2/\text{NDF}: 701.4/16$

Left Out: 1.320 ± 0.059 $\chi^2/\text{NDF}: 1721.1/10$

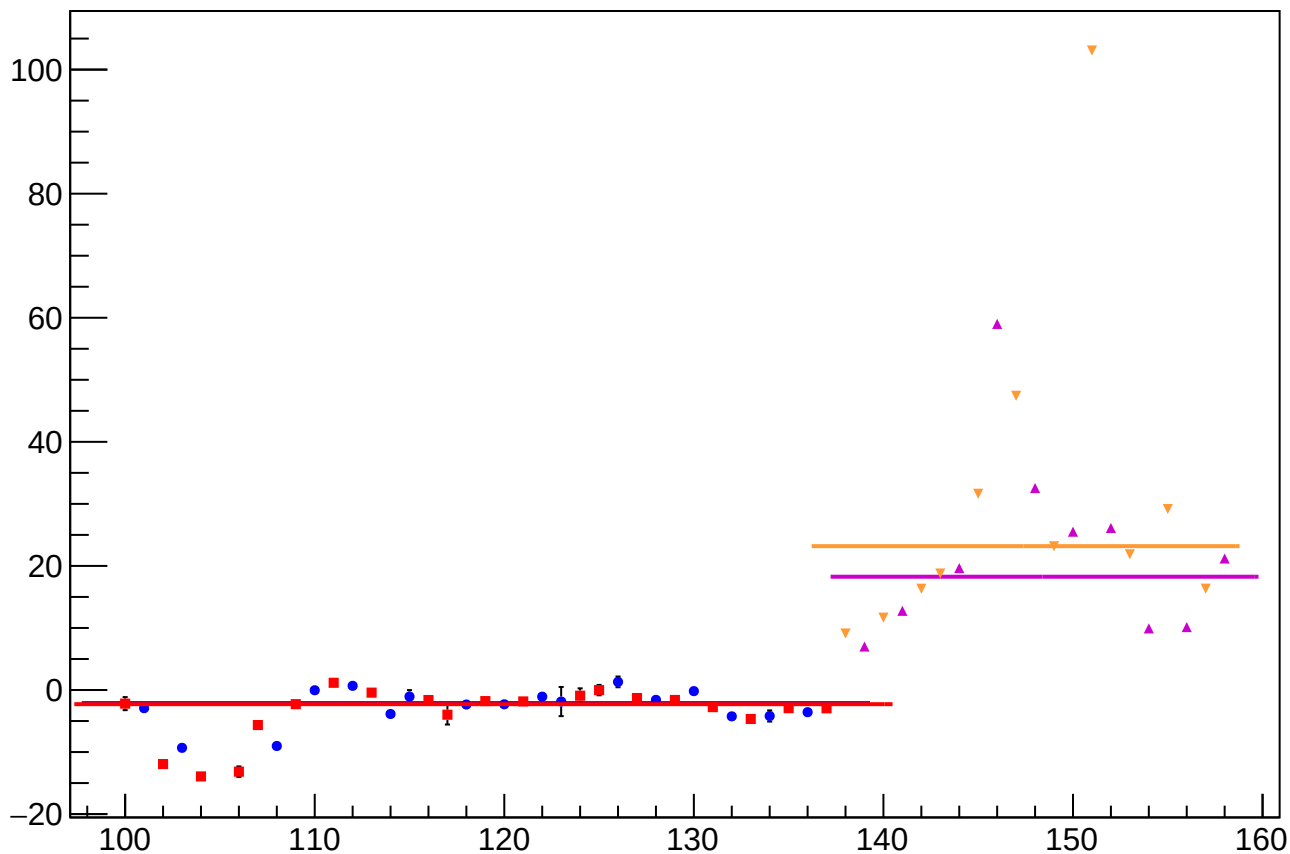
Right Out: 1.112 ± 0.059 $\chi^2/\text{NDF}: 940.5/19$

Left In: 1.354 ± 0.048 $\chi^2/\text{NDF}: 1369.8/9$

1.355 ± 0.043 $\chi^2/\text{NDF}: 2423.3/27$

1.257 ± 0.037 $\chi^2/\text{NDF}: 2320.4/29$

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -2.119 ± 0.113 $\chi^2/\text{NDF}: 486.3/16$

Left Out: 23.187 ± 0.081 $\chi^2/\text{NDF}: 45263.0/10$

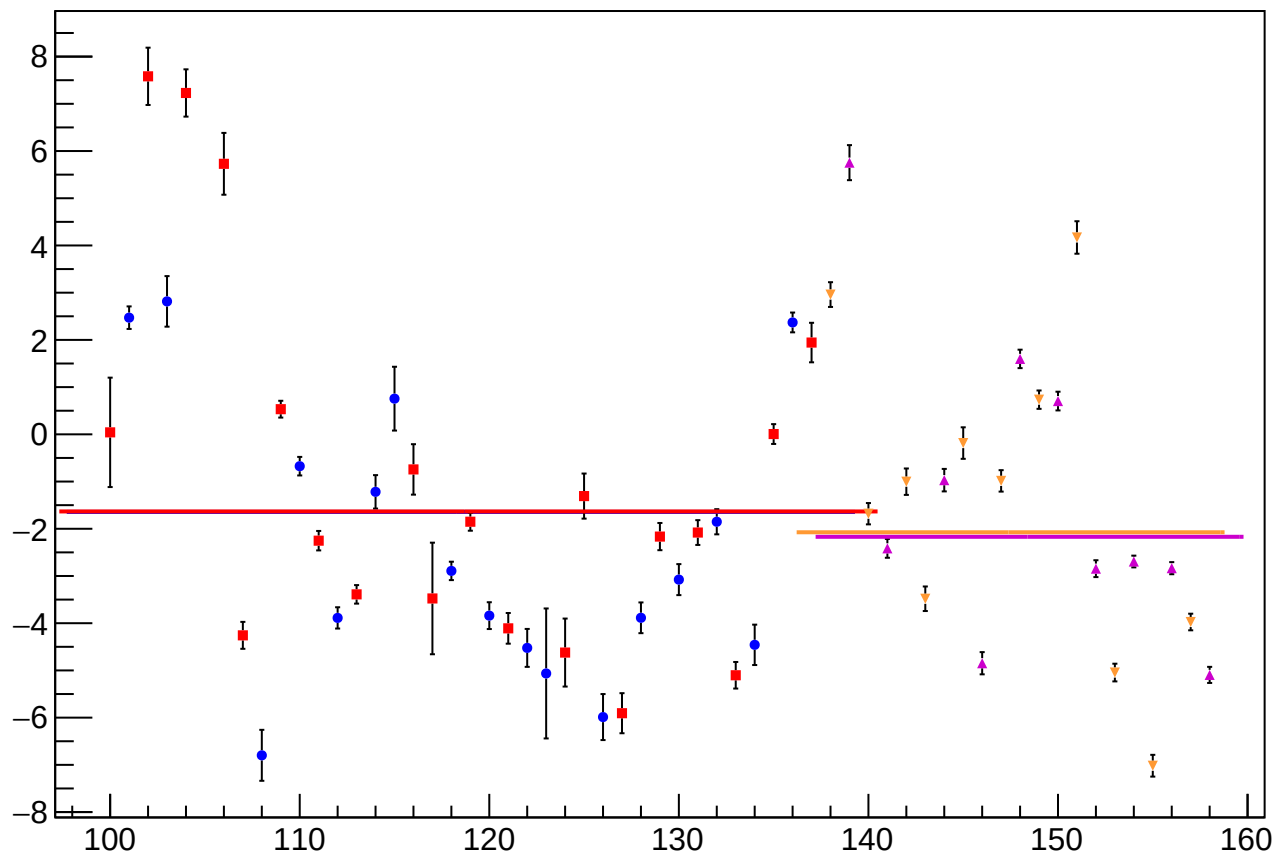
Right Out: -2.284 ± 0.101 $\chi^2/\text{NDF}: 920.6/19$

Left In: 18.260 ± 0.067 $\chi^2/\text{NDF}: 32575.3/9$

14.635 ± 0.066 $\chi^2/\text{NDF}: 78779.0/27$

11.930 ± 0.056 $\chi^2/\text{NDF}: 62218.1/29$

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -1.643 ± 0.072 χ^2/NDF : 1310.1/16

Left Out: -2.074 ± 0.070 χ^2/NDF : 1836.6/10

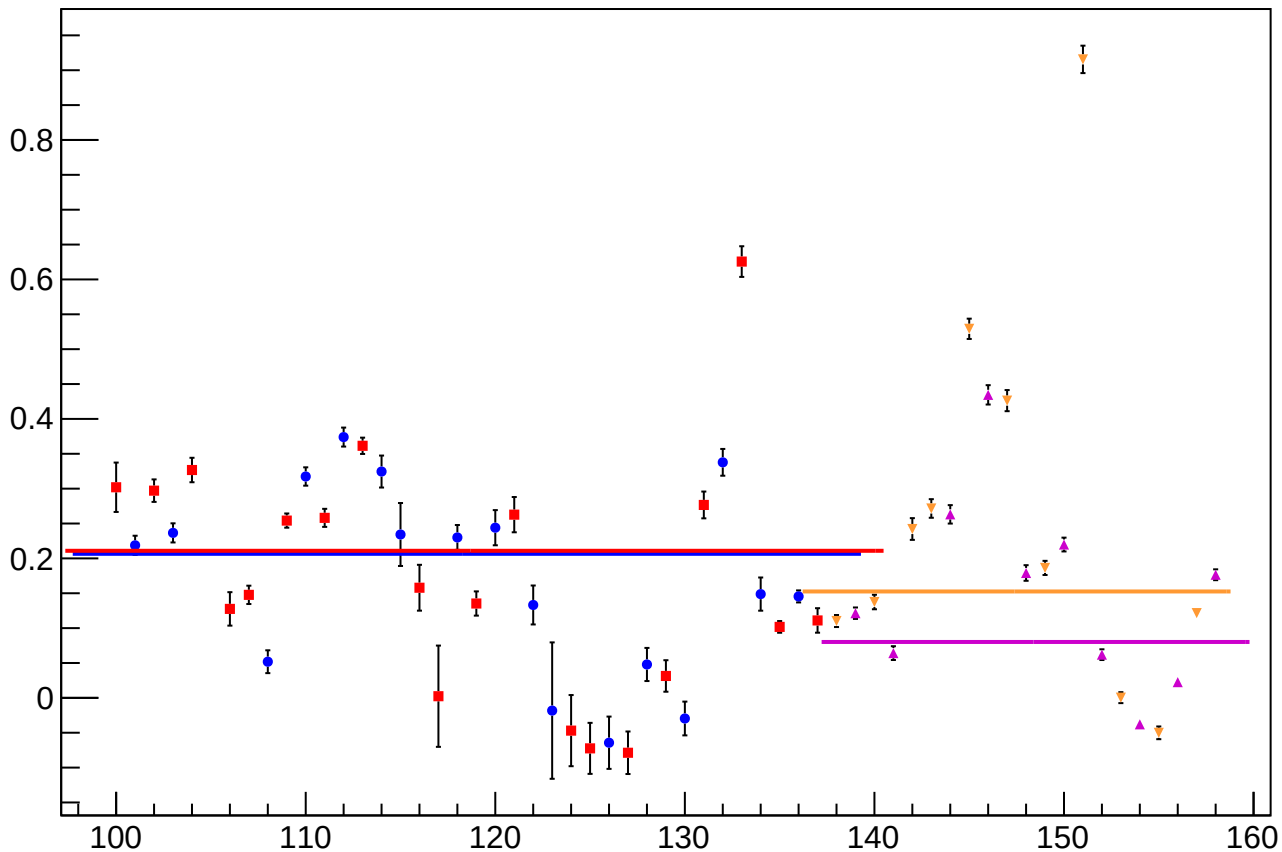
Right Out: -1.633 ± 0.067 χ^2/NDF : 1470.6/19

Left In: -2.170 ± 0.057 χ^2/NDF : 1548.4/9

-1.866 ± 0.050 χ^2/NDF : 3165.0/27

-1.945 ± 0.043 χ^2/NDF : 3056.4/29

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: 0.153 $\pm$ 0.003 χ^2 /NDF:3543.0/10

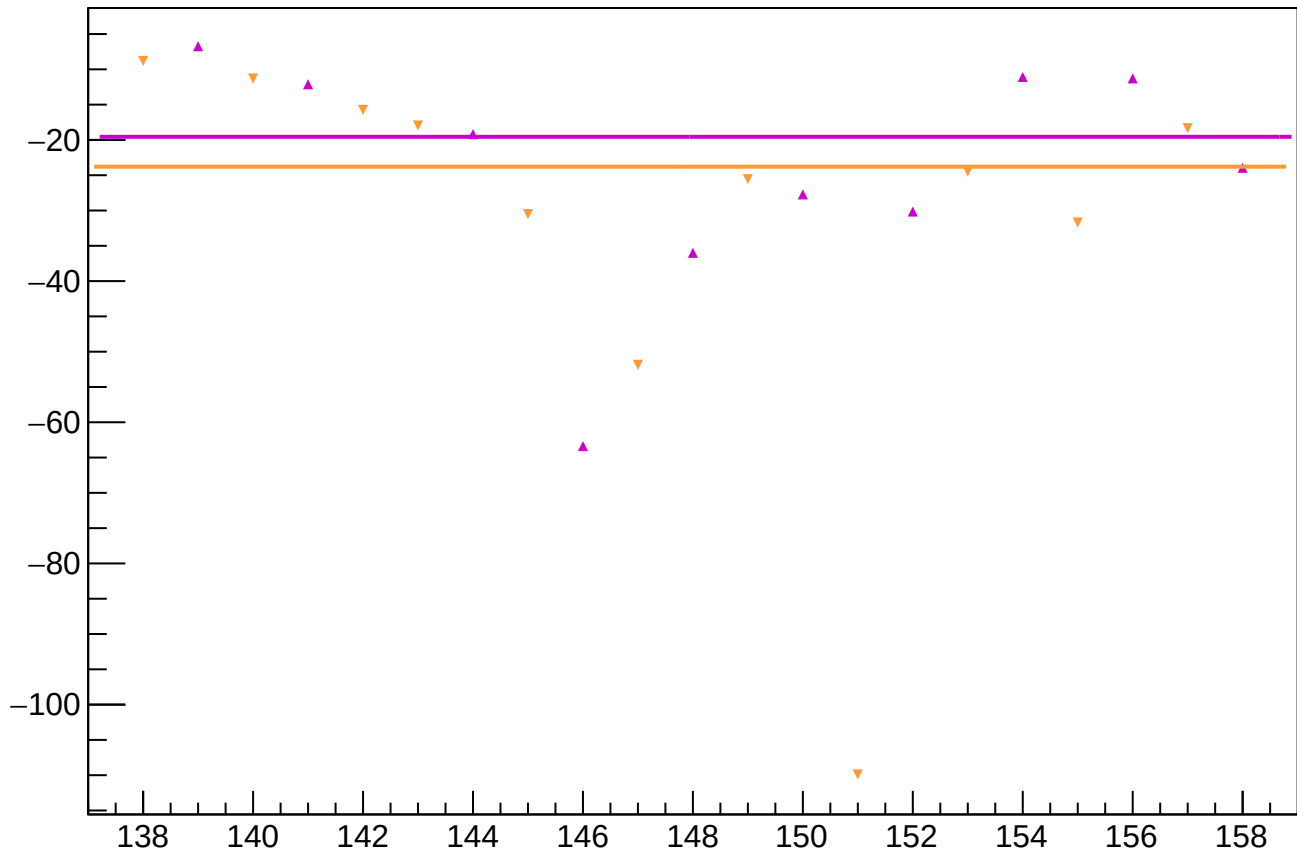
Right Out: 0.211 $\pm$ 0.004 χ^2 /NDF: 1153.8/19

Left In: 0.080 $\pm$ 0.002 χ^2 /NDF:1974.8/9

0.171 $\pm$ 0.002 χ^2 /NDF: 4304.6/27

0.119 $\pm$ 0.002 χ^2 /NDF: 3977.4/29

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



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

Left Out: -23.790+/-0.083 χ^2/NDF : 49517.5/10

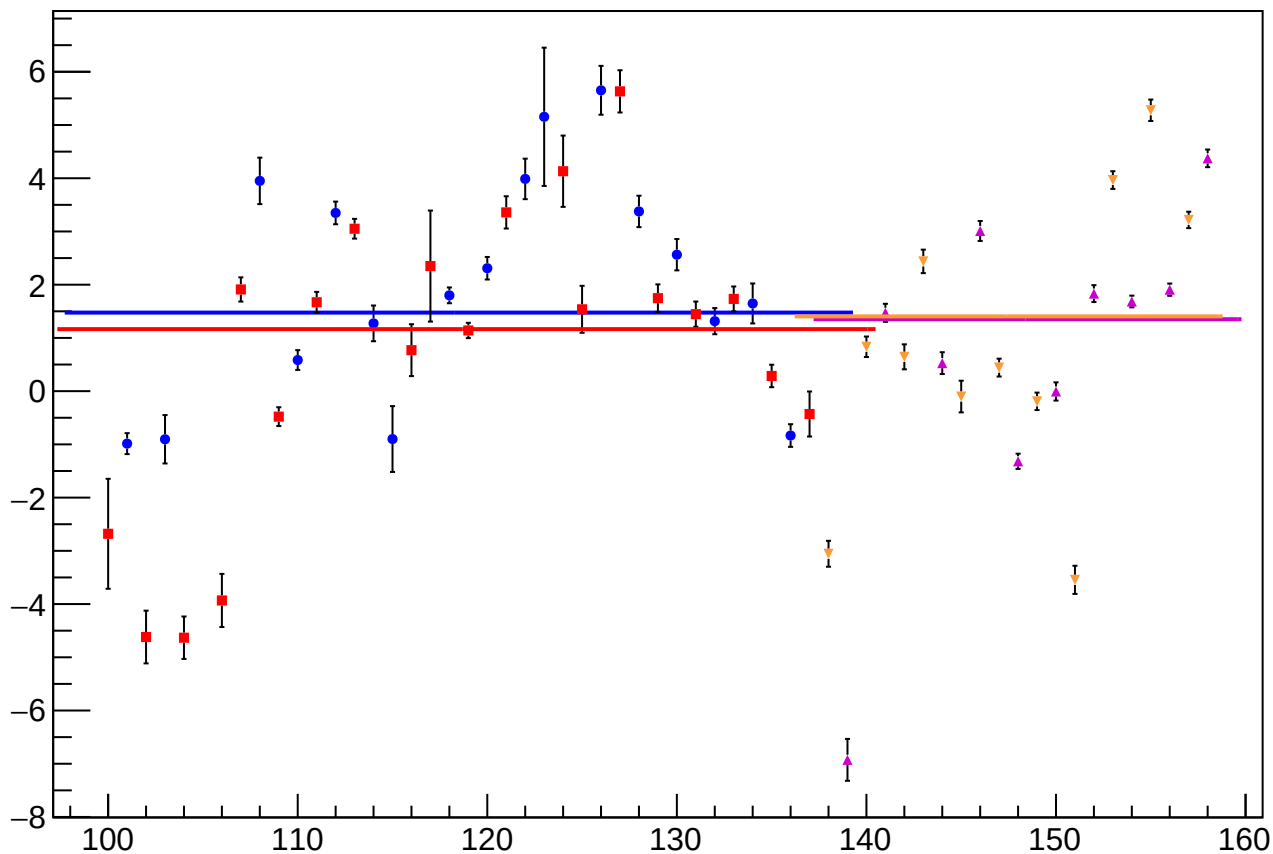
-23.790+/-0.083 χ^2/NDF : 49517.5/10

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

-19.555+/-0.071 χ^2/NDF : 35006.2/9

Left In: -19.555+/-0.071 χ^2/NDF : 35006.2/9

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 1.476 ± 0.064 $\chi^2/\text{NDF}: 659.7/16$

Left Out: 1.404 ± 0.059 $\chi^2/\text{NDF}: 1626.5/10$

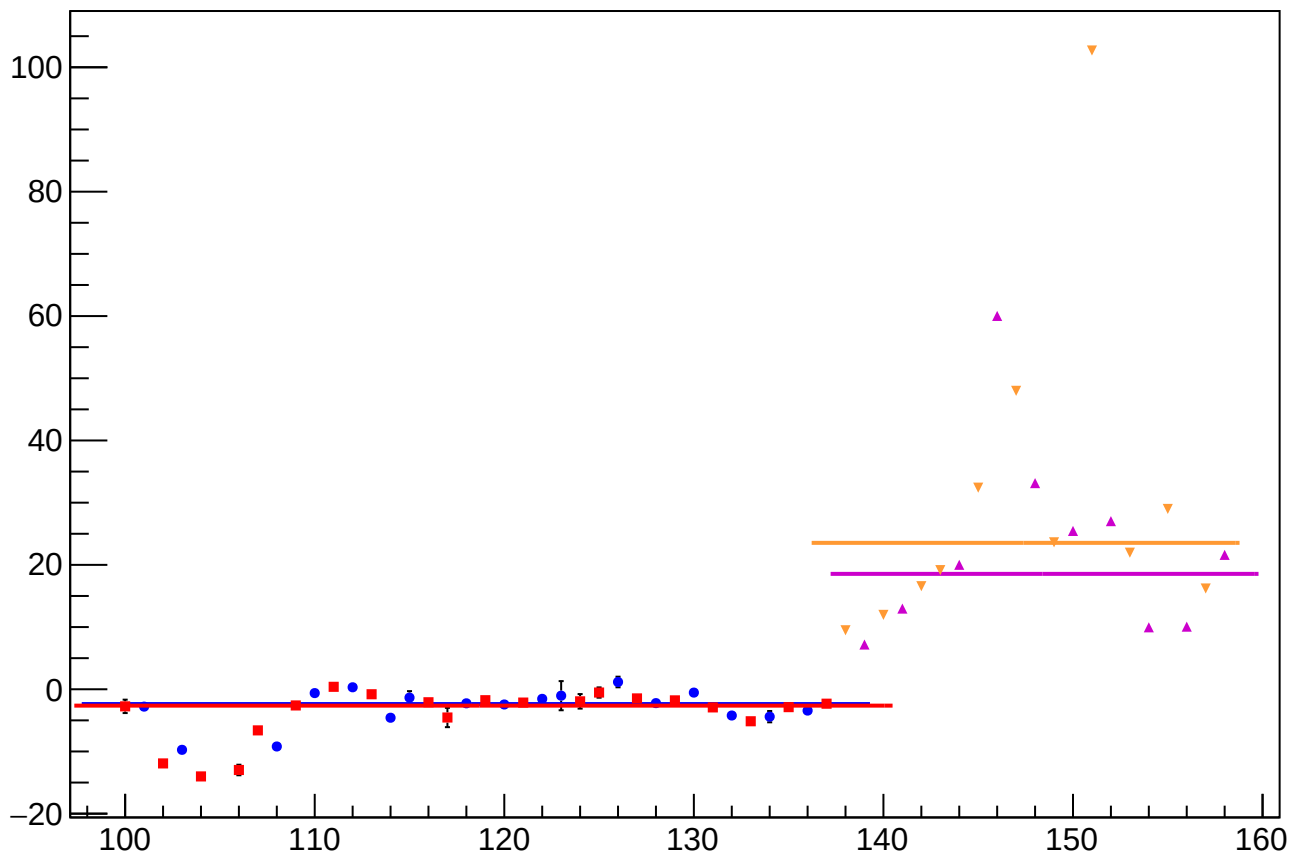
Right Out: 1.165 ± 0.060 $\chi^2/\text{NDF}: 919.2/19$

Left In: 1.351 ± 0.049 $\chi^2/\text{NDF}: 1322.4/9$

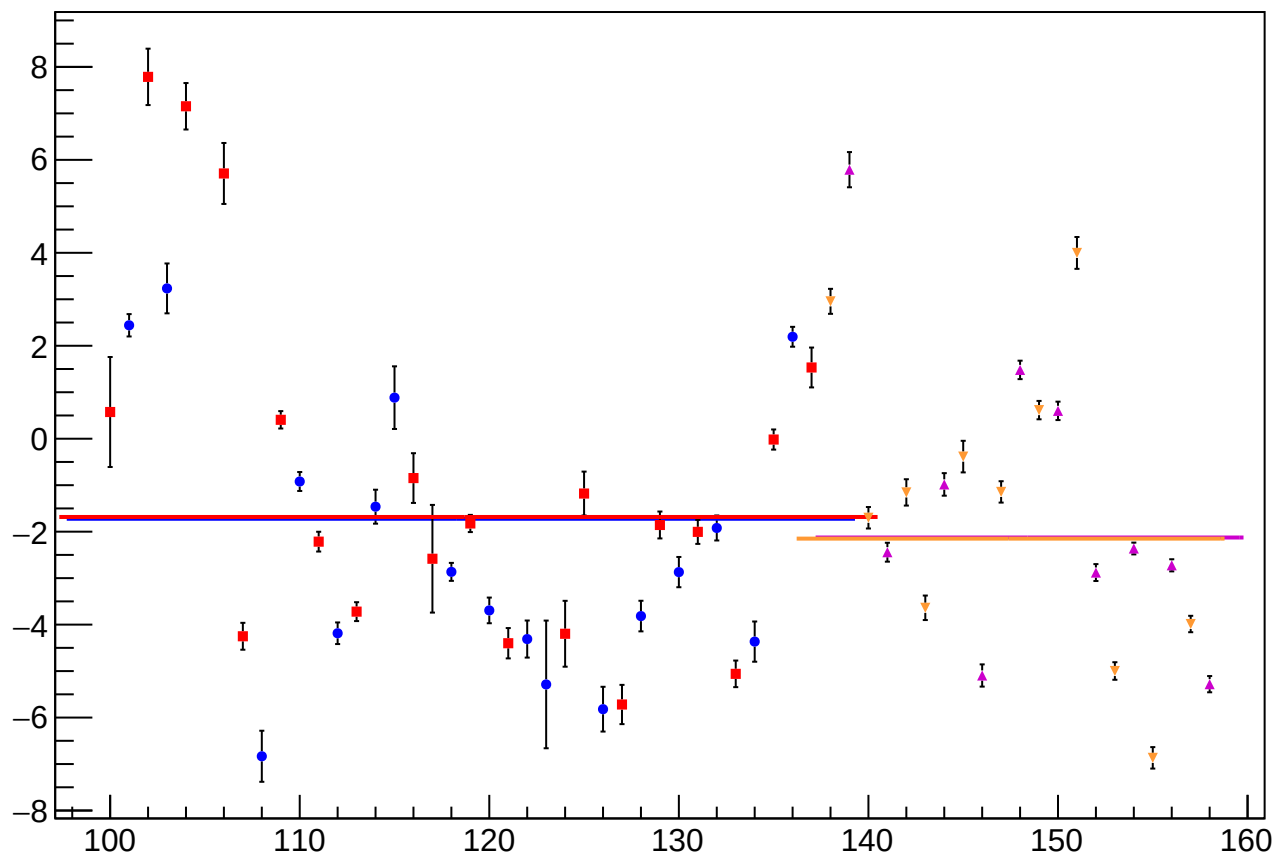
1.438 ± 0.043 $\chi^2/\text{NDF}: 2286.8/27$

1.276 ± 0.038 $\chi^2/\text{NDF}: 2247.4/29$

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -1.722+/-0.073 χ^2/NDF : 1247.6/16

Left Out: -2.149+/-0.071 χ^2/NDF : 1724.1/10

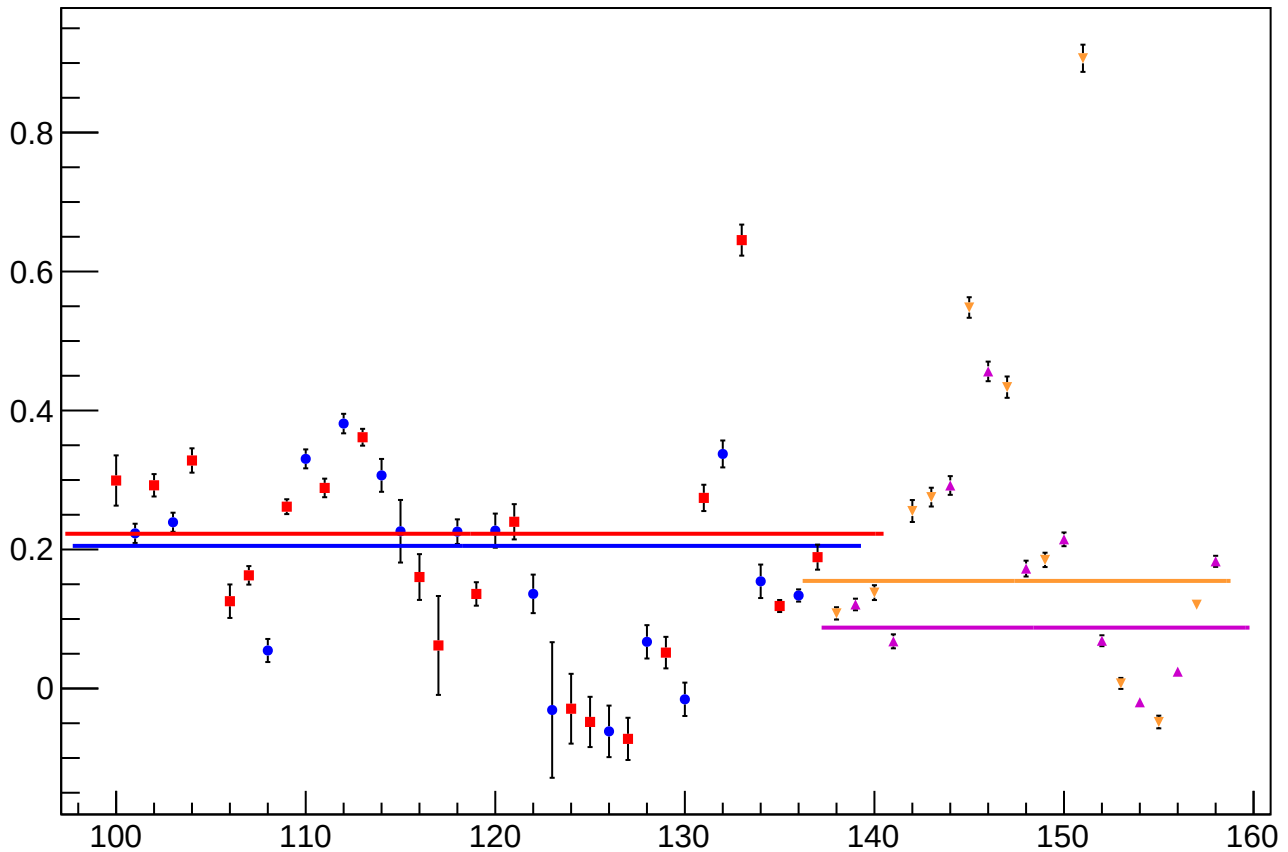
Right Out: -1.684+/-0.068 χ^2/NDF : 1431.6/19

Left In: -2.126+/-0.058 χ^2/NDF : 1502.3/9

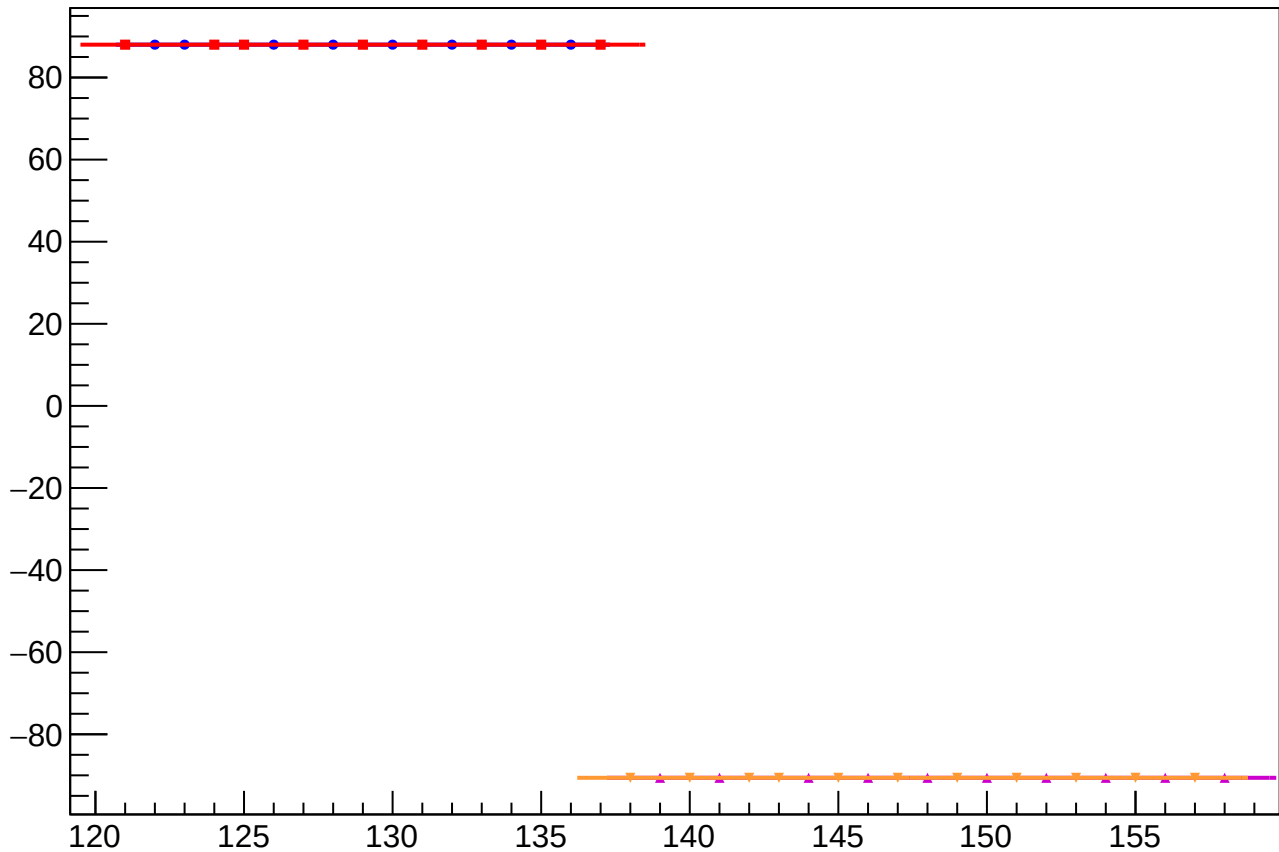
-1.943+/-0.051 χ^2/NDF : 2989.4/27

-1.940+/-0.044 χ^2/NDF : 2958.5/29

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF : 714089.5/7

Left Out: -90.599+/-0.000 χ^2/NDF : 3538337.8/10

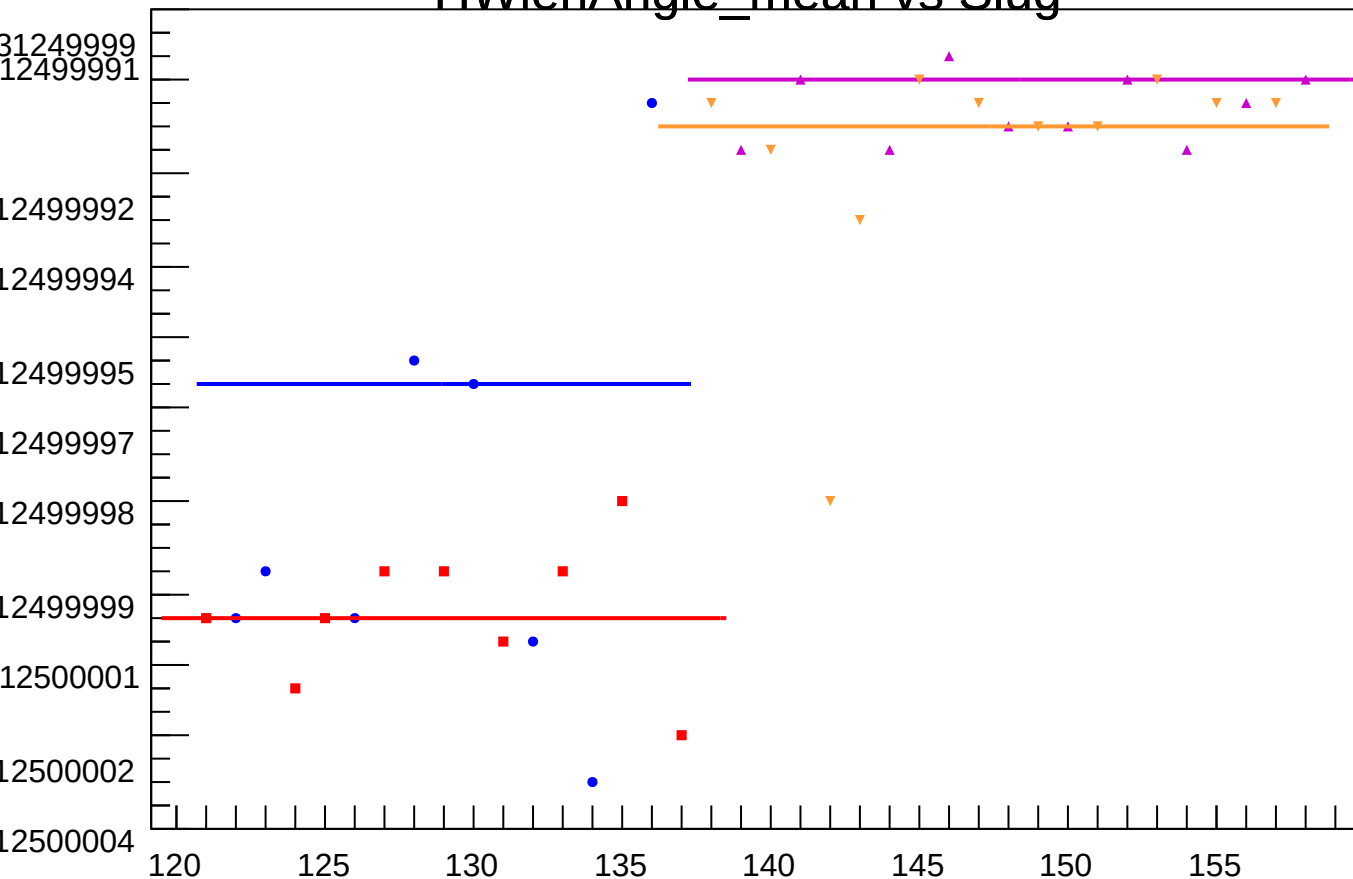
Right Out: 88.001+/-0.000 χ^2/NDF : 109456.0/8

Left In: -90.599+/-0.000 χ^2/NDF : 561214.6/9

-38.792+/-0.000 χ^2/NDF : 77446298912977017

-41.737+/-0.000 χ^2/NDF : 73915999196226243

HWienAngle_mean vs Slug



Right In: -29.641+/-0.000 χ^2/NDF : 405045.4/7

Left Out: -29.641+/-0.000 χ^2/NDF :175556.3/10

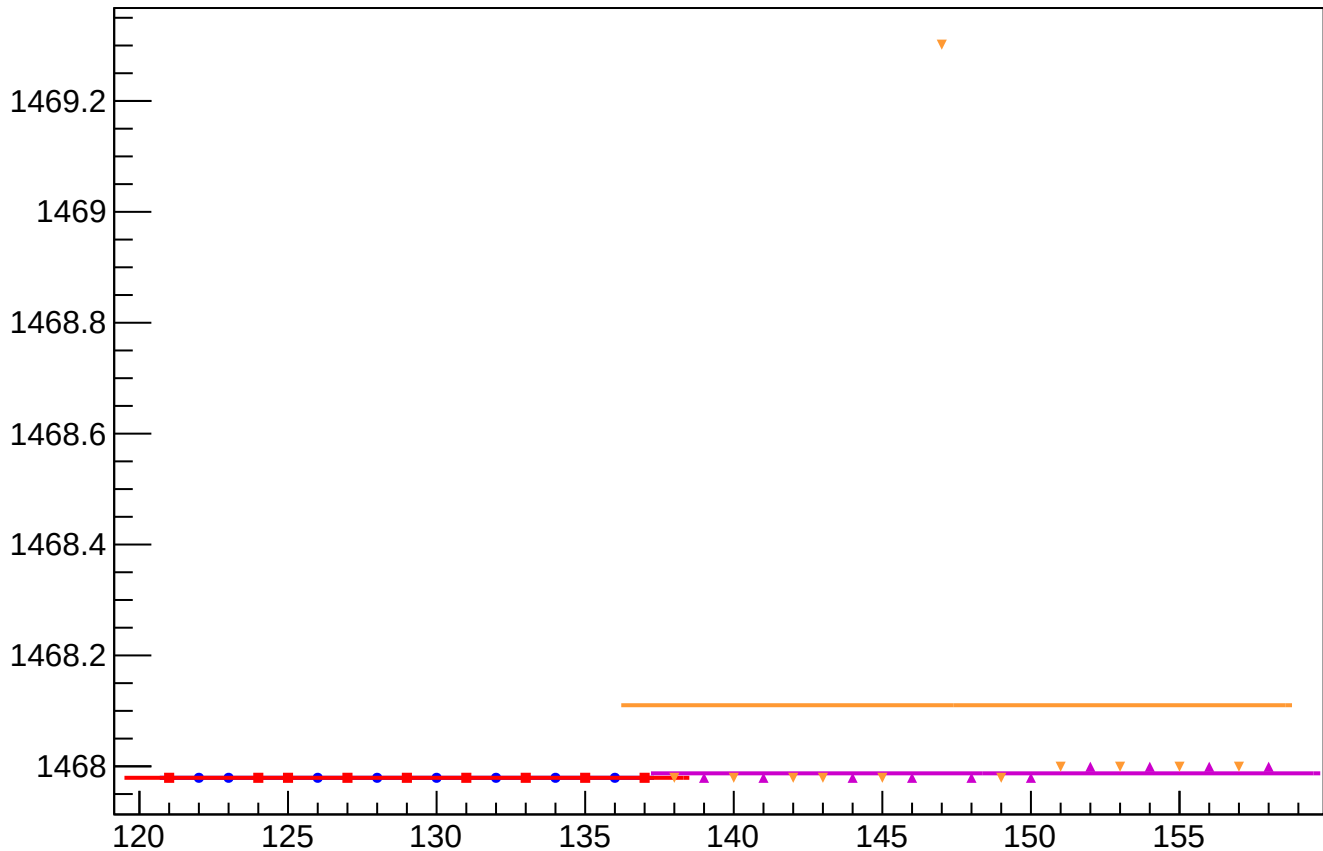
Right Out: -29.641+/-0.000 χ^2/NDF : 29358.2/8

Left In: -29.641+/-0.000 χ^2/NDF :39518.8/9

-29.641+/-0.000 χ^2/NDF : 1012064.4/18

-29.641+/-0.000 χ^2/NDF : 1430501.4/18

psub_pl_pos_mean vs Slug



Right In: 1467.979+/-0.000 χ^2/NDF : 436234375.5/7

Left Out: 1468.110+/-0.000 χ^2/NDF : 122153489690230065868803323985920.0/10

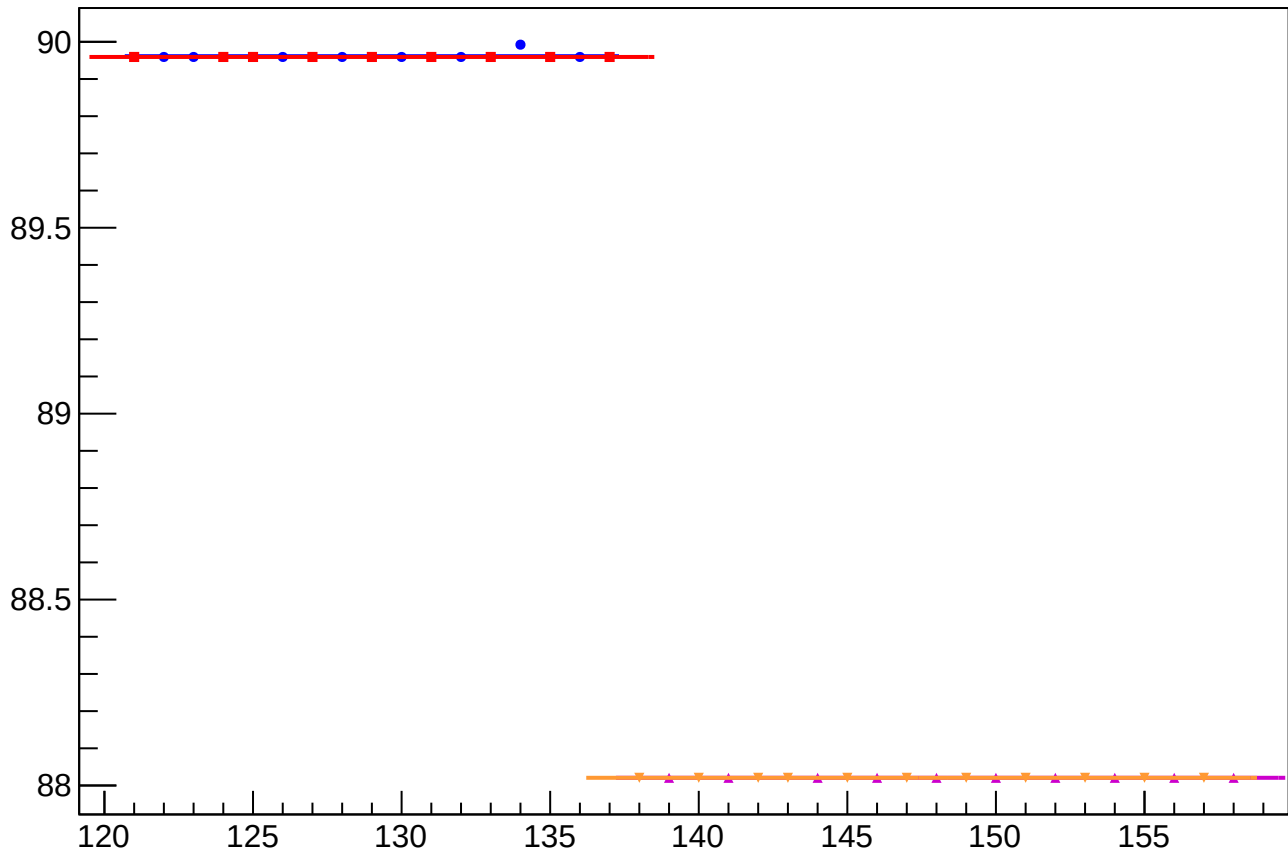
Right Out: 1467.979+/-0.000 χ^2/NDF : 83183350.3/8

Left In: 1467.987+/-0.000 χ^2/NDF : 81485714261969117795055566848.0/9

1468.072+/-0.000 χ^2/NDF : 1263129323793805

1467.985+/-0.000 χ^2/NDF : 9650943392633968

Phi_FG_mean vs Slug



Right In: 89.961+/-0.000 χ^2/NDF : 21528640598708602874349223936.0/7

Left Out: 88.021+/-0.000 χ^2/NDF : 2908662.7/10

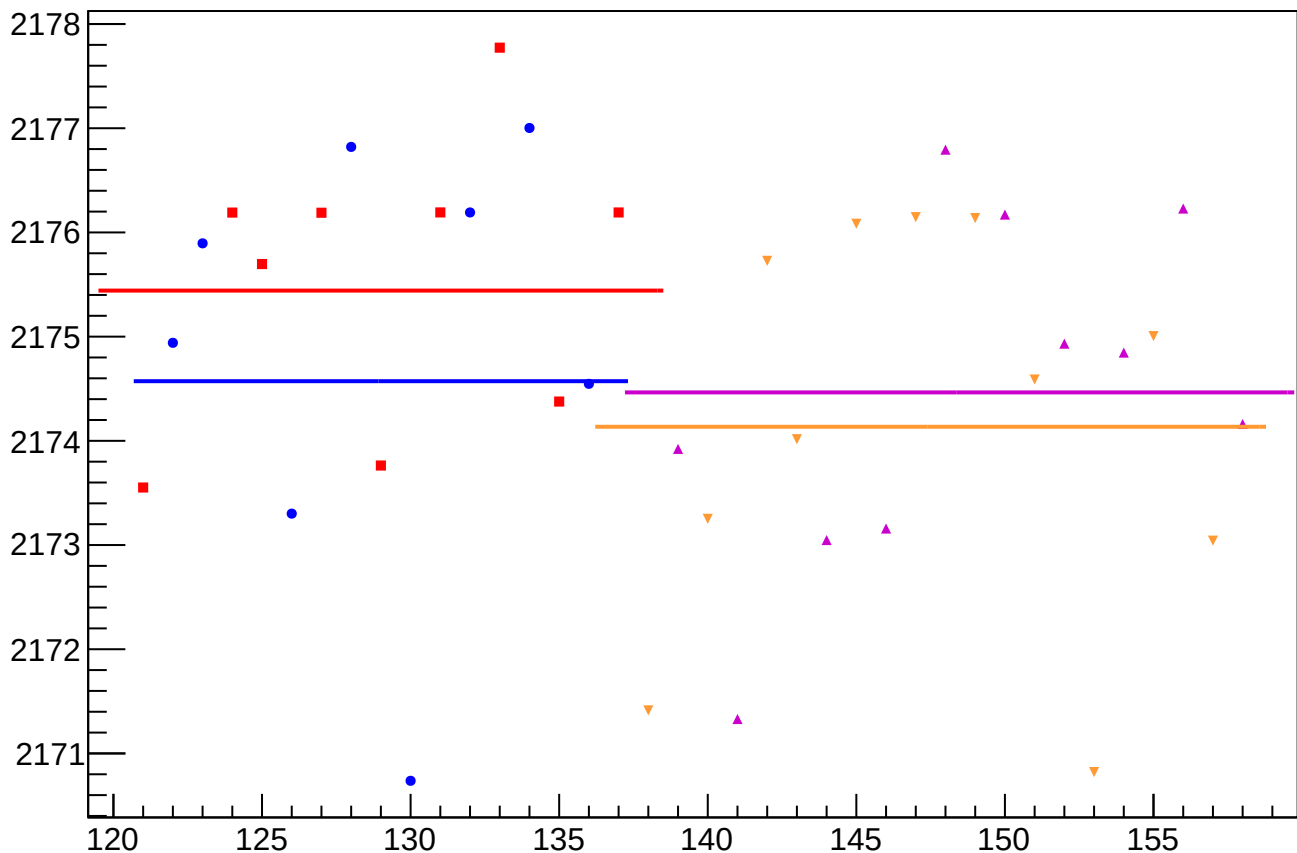
Right Out: 89.959+/-0.000 χ^2/NDF : 331397.3/8

Left In: 88.021+/-0.000 χ^2/NDF : 977228.3/9

88.584+/-0.000 χ^2/NDF : 914387684263526135

88.551+/-0.000 χ^2/NDF : 870861636844838440

HALLA_p_mean vs Slug



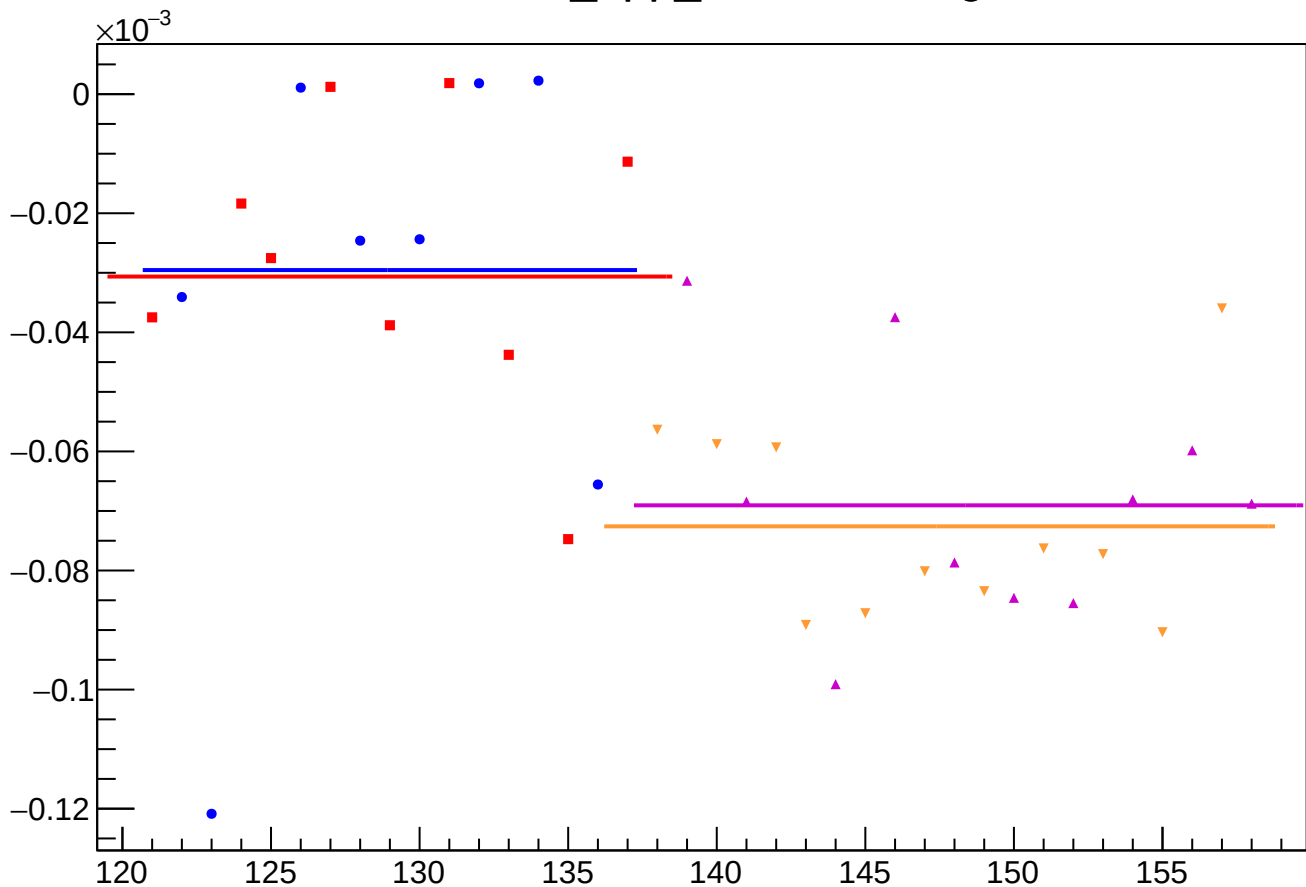
Right In: 2174.572 $\pm$ 0.000 χ^2 /NDF: 1360264074026849381407550448074752.0/7

Left Out: 2174.135 $\pm$ 0.000 χ^2 /NDF: 2823689406010660088515256987418624.0/10

Right Out: 2175.442 $\pm$ 0.000 χ^2 /NDF: 610778445075790556034346524868608.0/8

Left In: 2174.465 $\pm$ 0.000 χ^2 /NDF: 2186938270291196516227819182751744.0/9

HALLA_dpp_mean vs Slug



Right In: -0.000+/-0.000

χ^2 /NDF: 250161267307815387529216.0/7

Left Out: -0.000+/-0.000

χ^2 /NDF: 228331932441816449679360.0/10

Right Out: -0.000+/-0.000

χ^2 /NDF: 196732771178766734983168.0/8

Left In: -0.000+/-0.000

χ^2 /NDF: 328595013267659669110784.0/9

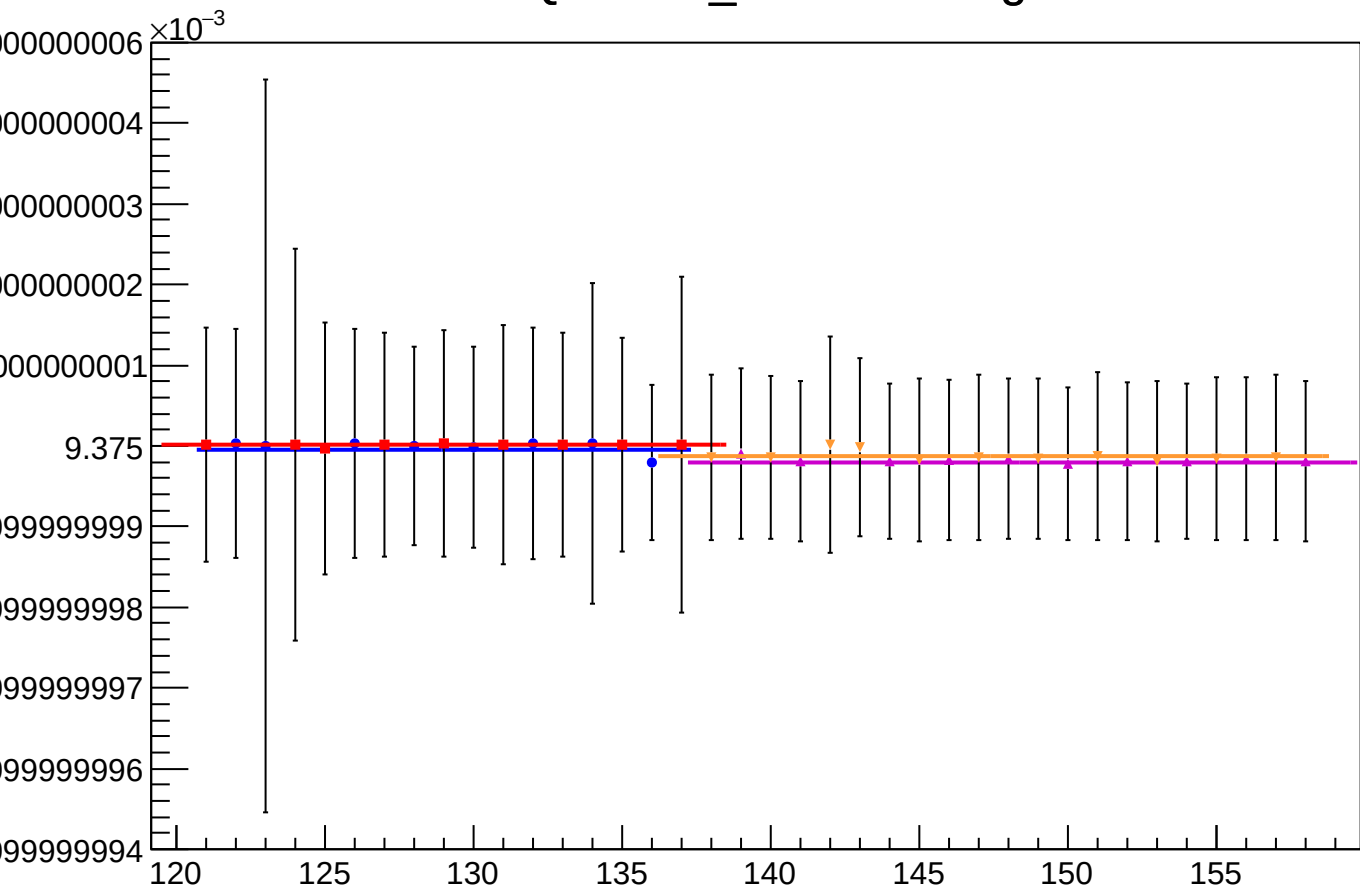
-0.000+/-0.000

χ^2 /NDF: 928305527867585561

-0.000+/-0.000

χ^2 /NDF: 867409127079591697

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:0.0/10

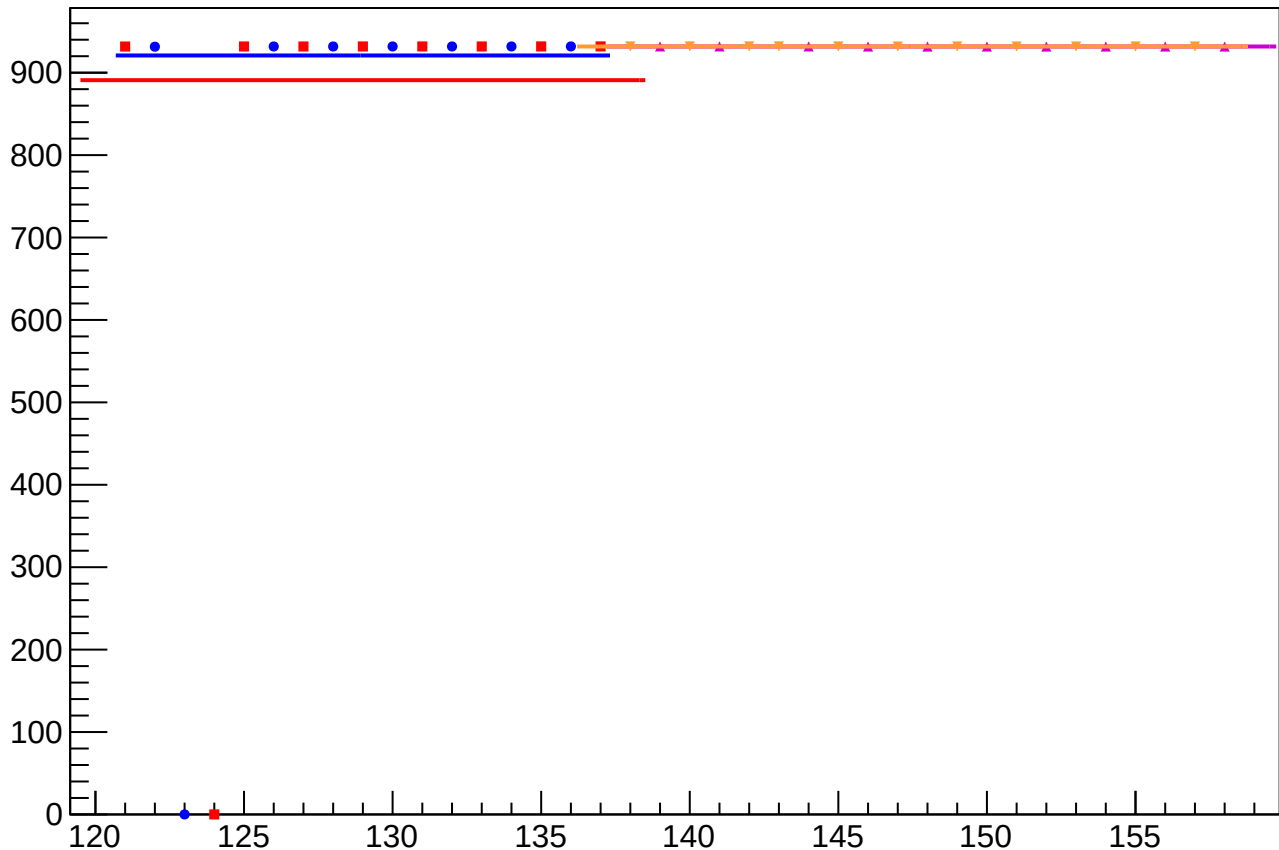
Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/9

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/18

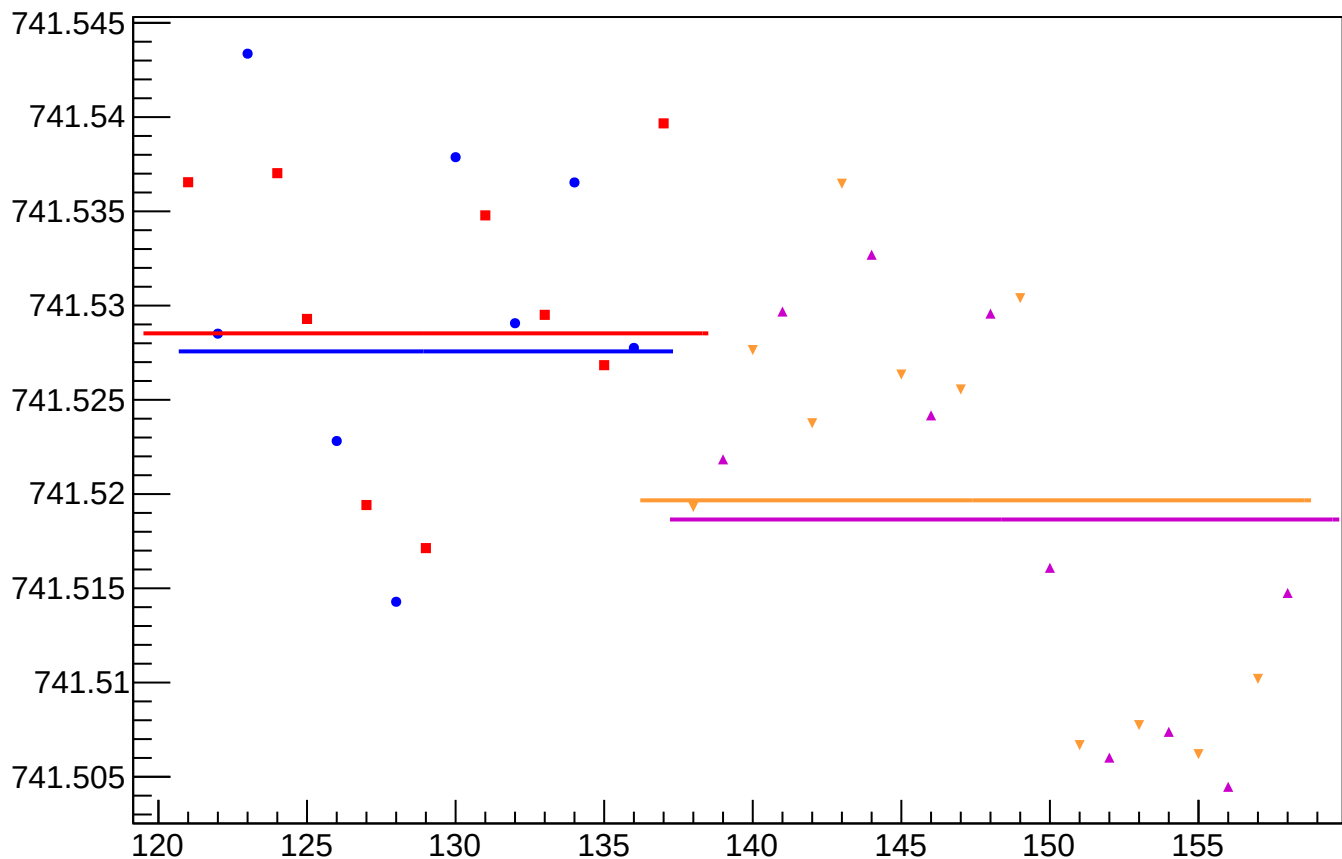
0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/18

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 920.898+/-0.000 χ^2/NDF : 3432128841951899861299566212080992256.0/7
Left Out: 931.791+/-0.000 χ^2/NDF : 3545520904093169993200795910144.0/10
Right Out: 890.923+/-0.000 χ^2/NDF : 11621671430114409722932854398744788992.0/8
Left In: 931.775+/-0.000 χ^2/NDF : 3231862085785502300413500588032.0/9

HacL_D1_HP3458A_IOUT_mean vs Slug



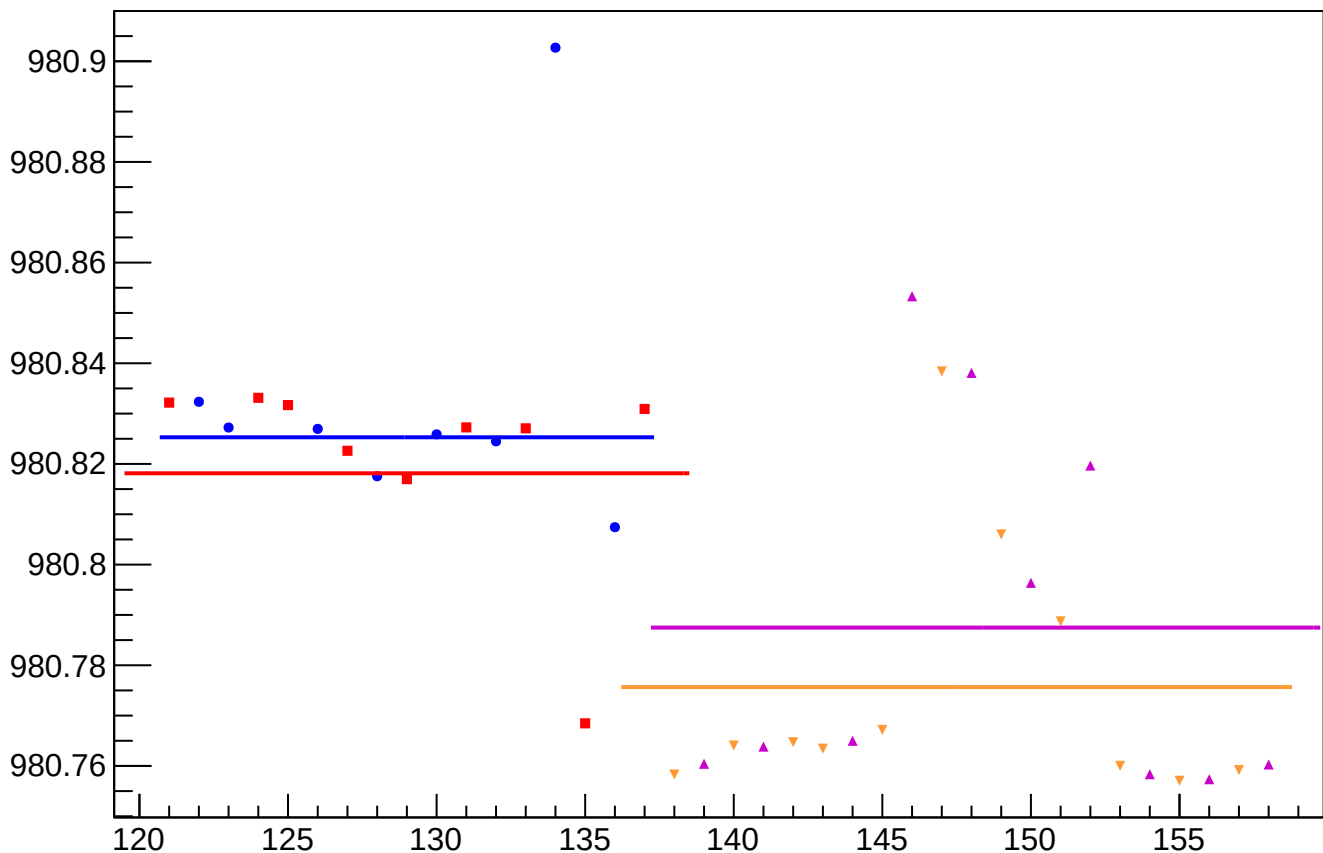
Right In: 741.528 $\pm$ 0.000 χ^2/NDF : 18896144326732419810052800512.0/7

Left Out: 741.520 $\pm$ 0.000 χ^2/NDF : 8754568544895062957478222336.0/10

Right Out: 741.529 $\pm$ 0.000 χ^2/NDF : 16580353917842624420385914880.0/8

Left In: 741.519 $\pm$ 0.000 χ^2/NDF : 84372652192634558969825722368.0/9

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 980.825+/-0.000 χ^2/NDF : 159345321268745350954763681792.0/7

Left Out: 980.776+/-0.000 χ^2/NDF : 523162415134948992216687706112.0/10

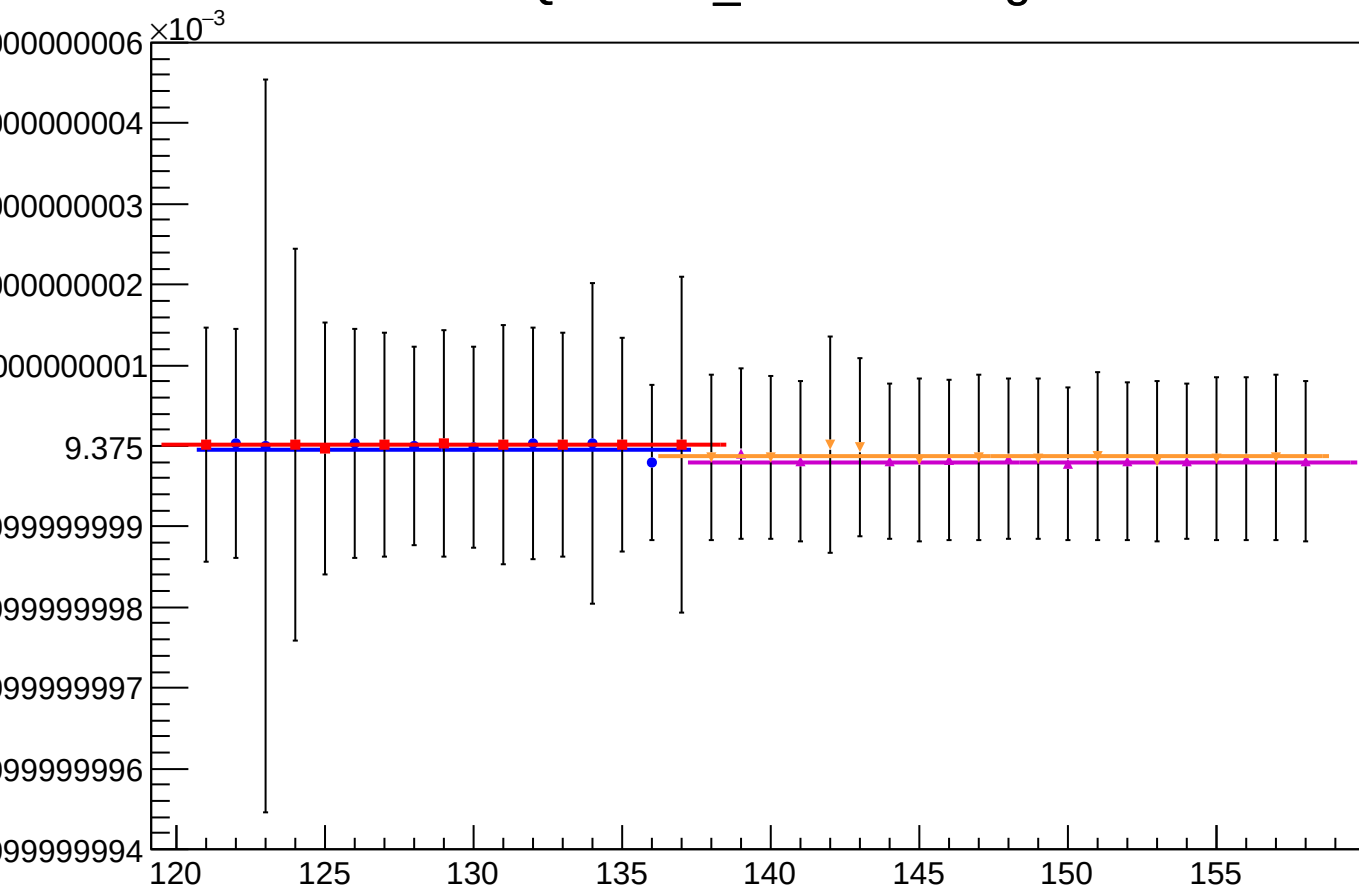
Right Out: 980.818+/-0.000 χ^2/NDF : 143689912167528137563261894656.0/8

Left In: 980.787+/-0.000 χ^2/NDF : 1029757425064455960986409500672.0/9

980.790+/-0.000 χ^2/NDF : 12804867445238848

980.796+/-0.000 χ^2/NDF : 13912595063713677

MQ172RM_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:0.0/10

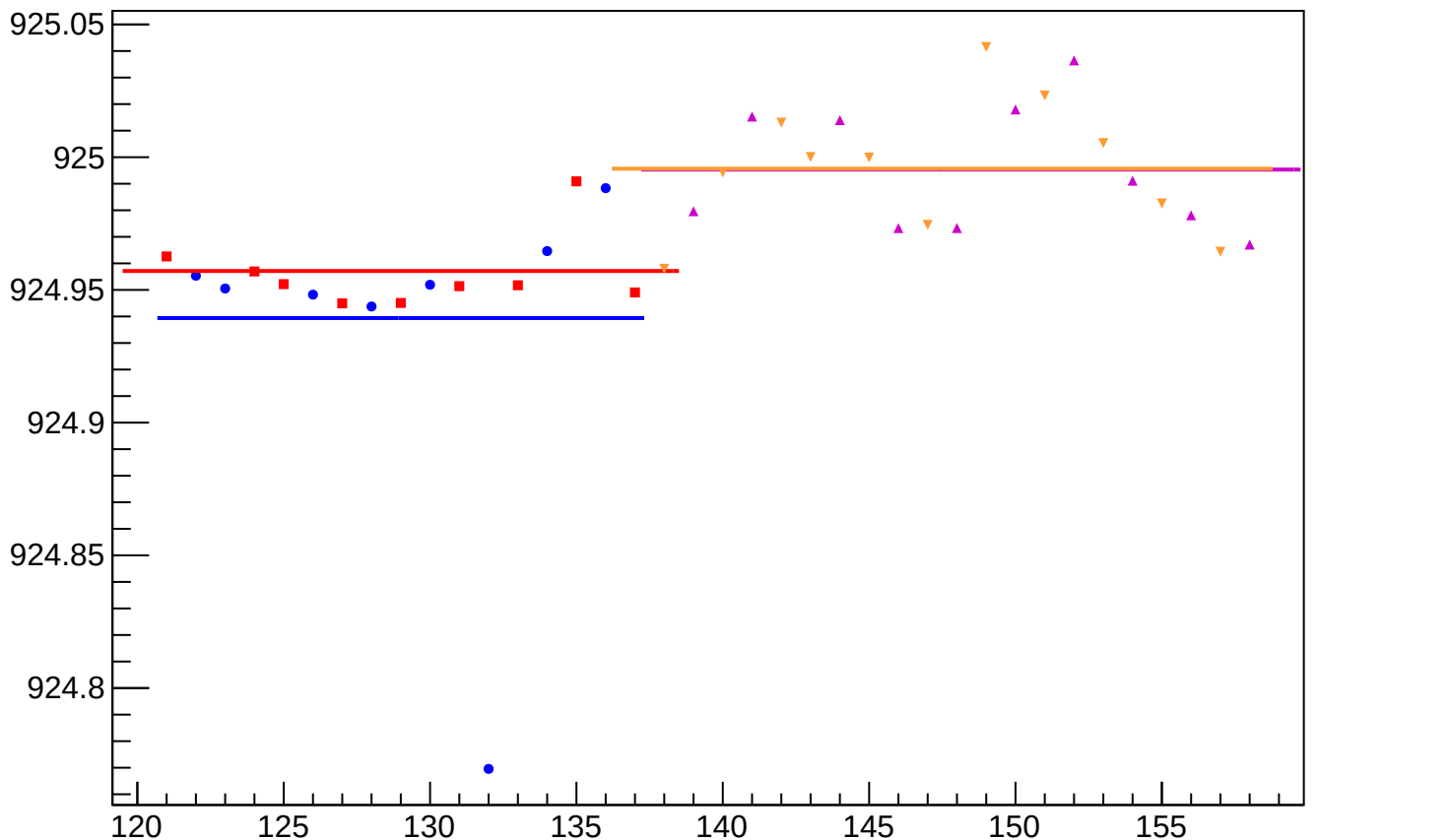
Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/9

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/18

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/18

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.939+/-0.000 χ^2/NDF : 1401458495809517406218388242432.0/7

Left Out: 924.996+/-0.000 χ^2/NDF : 496626556653823097605653004288.0/10

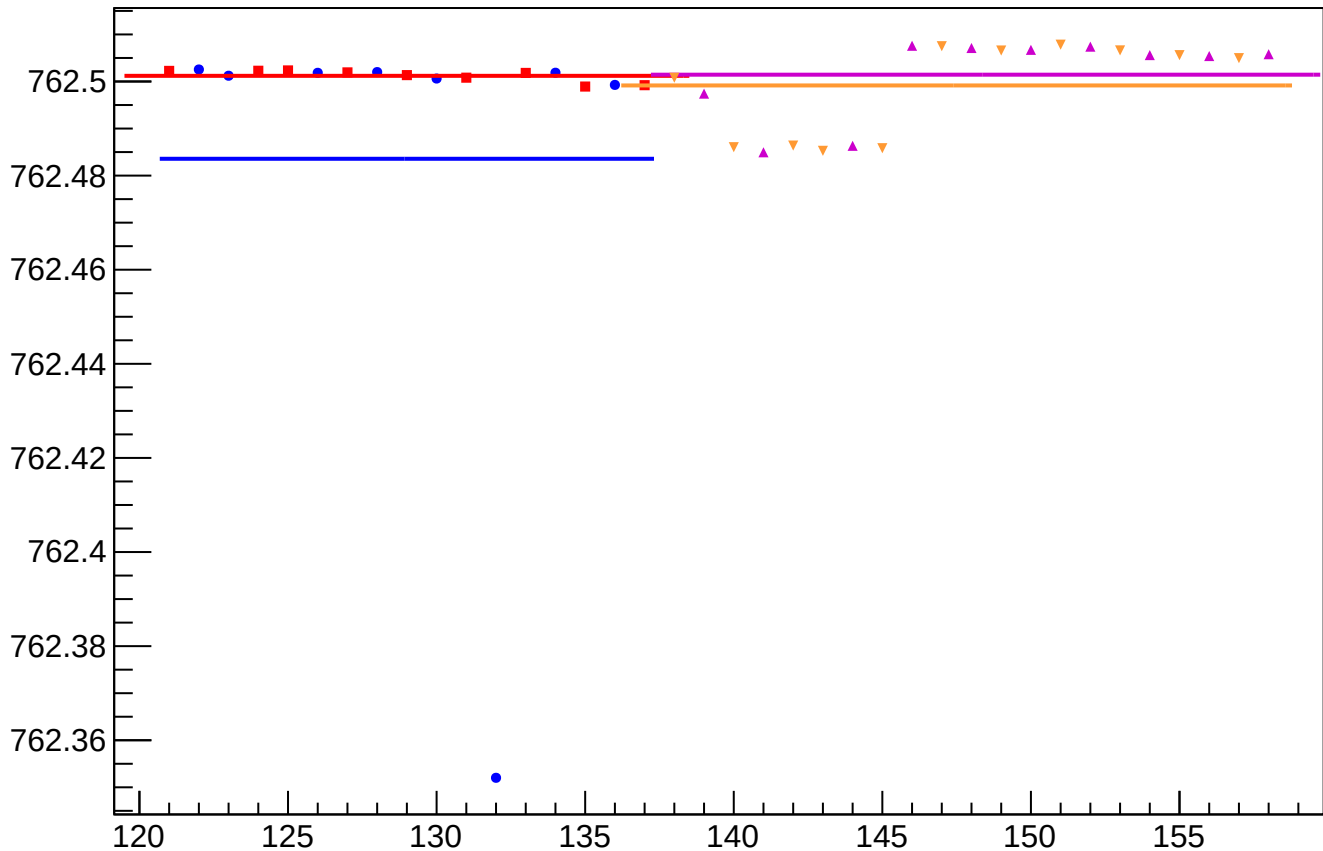
Right Out: 924.957+/-0.000 χ^2/NDF : 71808709366506786060310151168.0/8

Left In: 924.995+/-0.000 χ^2/NDF : 451191728802407898905300697088.0/9

924.979+/-0.000 χ^2/NDF : 26667088945018532

924.985+/-0.000 χ^2/NDF : 86135959394977771

HacR_D1_HP3458A_IOUT_mean vs Slug



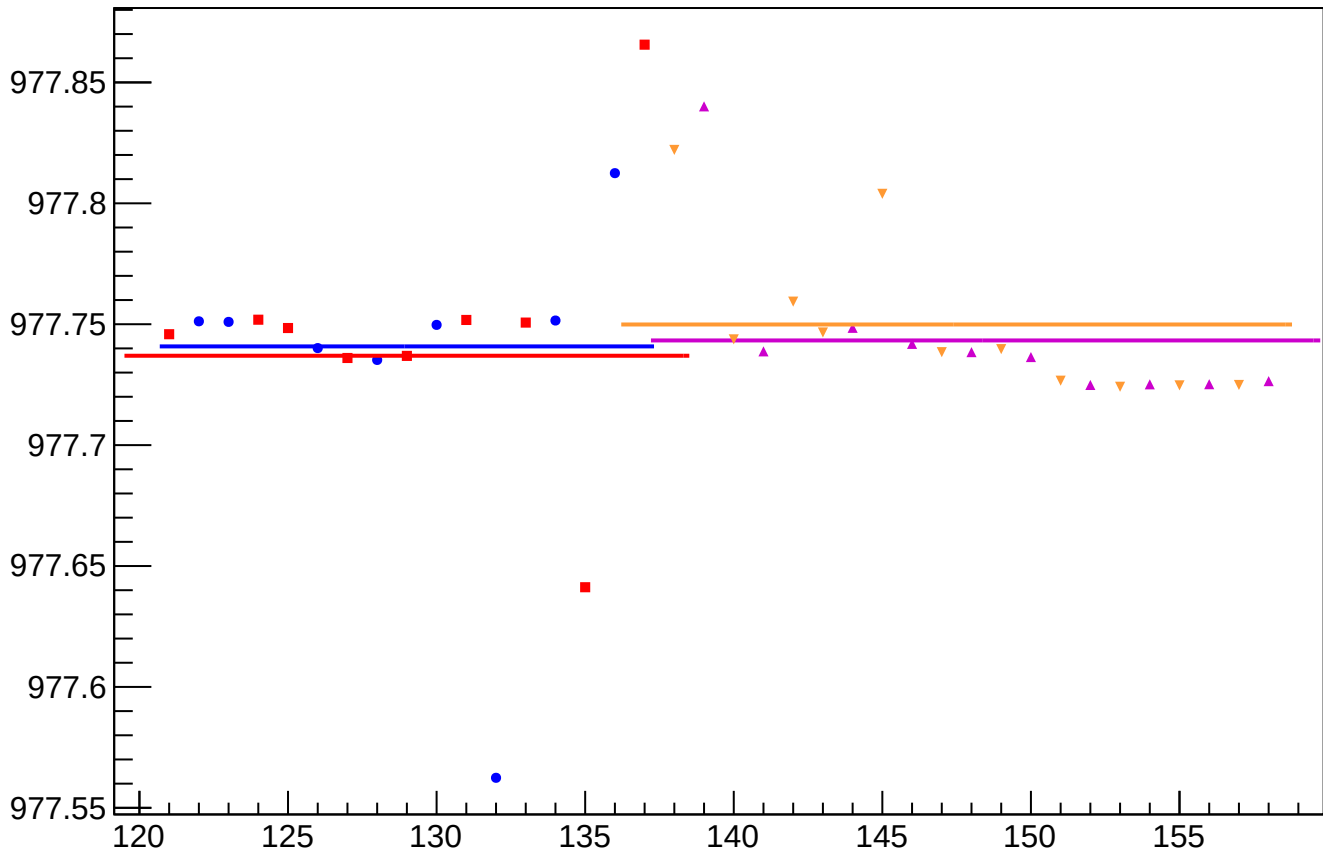
Right In: 762.484+/-0.000 χ^2/NDF : 784430761251084401798891438080.0/7

Left Out: 762.495+/-0.000 χ^2/NDF : 91912461538579225

Right Out: 762.501+/-0.000 χ^2/NDF : 61005021536163457

Left In: 762.501+/-0.000 χ^2/NDF : 60521561148140970186807181312.0/9

HacR_Q3_HP3458A_IOUT_mean vs Slug



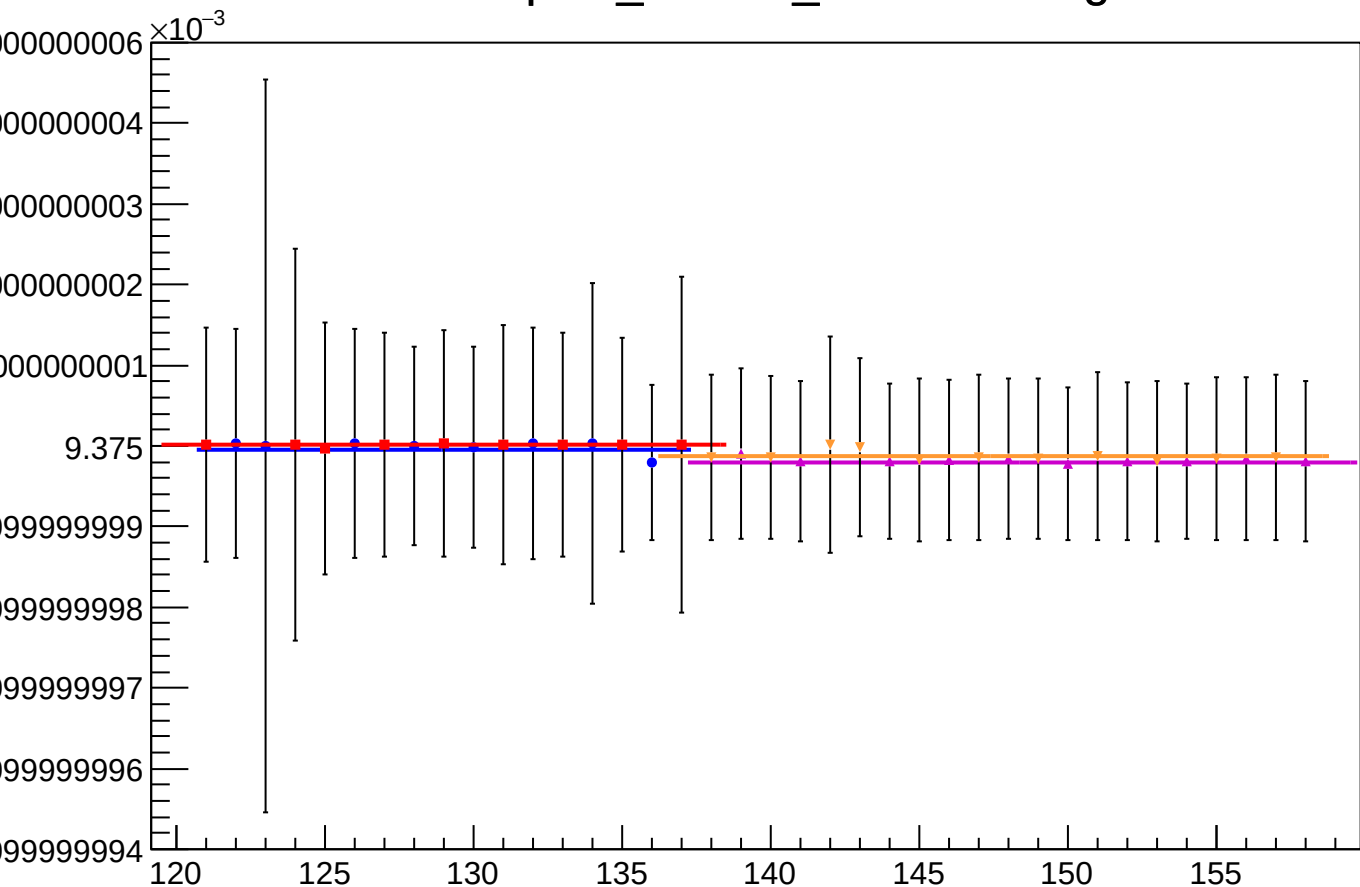
Right In: 977.741+/-0.000 χ^2/NDF : 1738104571804792841781326643200.0/7

Left Out: 977.750+/-0.000 χ^2/NDF : 868039970510689771631060975616.0/10

Right Out: 977.737+/-0.000 χ^2/NDF : 772313054358211830610902646784.0/8

Left In: 977.743+/-0.000 χ^2/NDF : 813116726428569036184325455872.0/9

hesDipole_current_mean vs Slug



Right In: 0.009 +/- 0.000 χ^2/NDF : 0.0/7

Left Out: 0.009 +/- 0.000 χ^2/NDF : 0.0/10

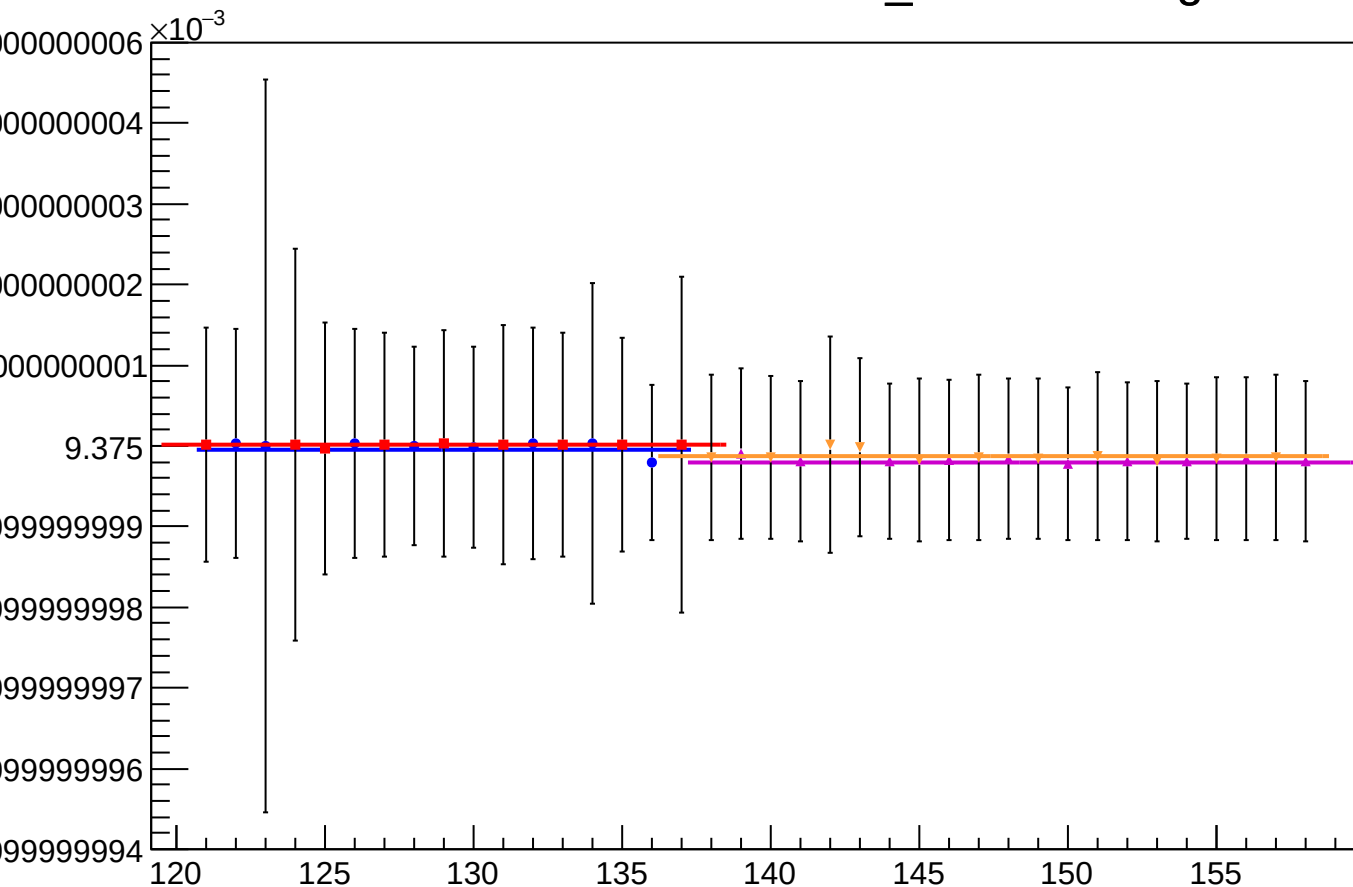
Right Out: 0.009 +/- 0.000 χ^2/NDF : 0.0/8

Left In: 0.009 +/- 0.000 χ^2/NDF : 0.0/9

0.009 +/- 0.000 χ^2/NDF : 0.1/18

0.009 +/- 0.000 χ^2/NDF : 0.1/18

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 : 0.0/10

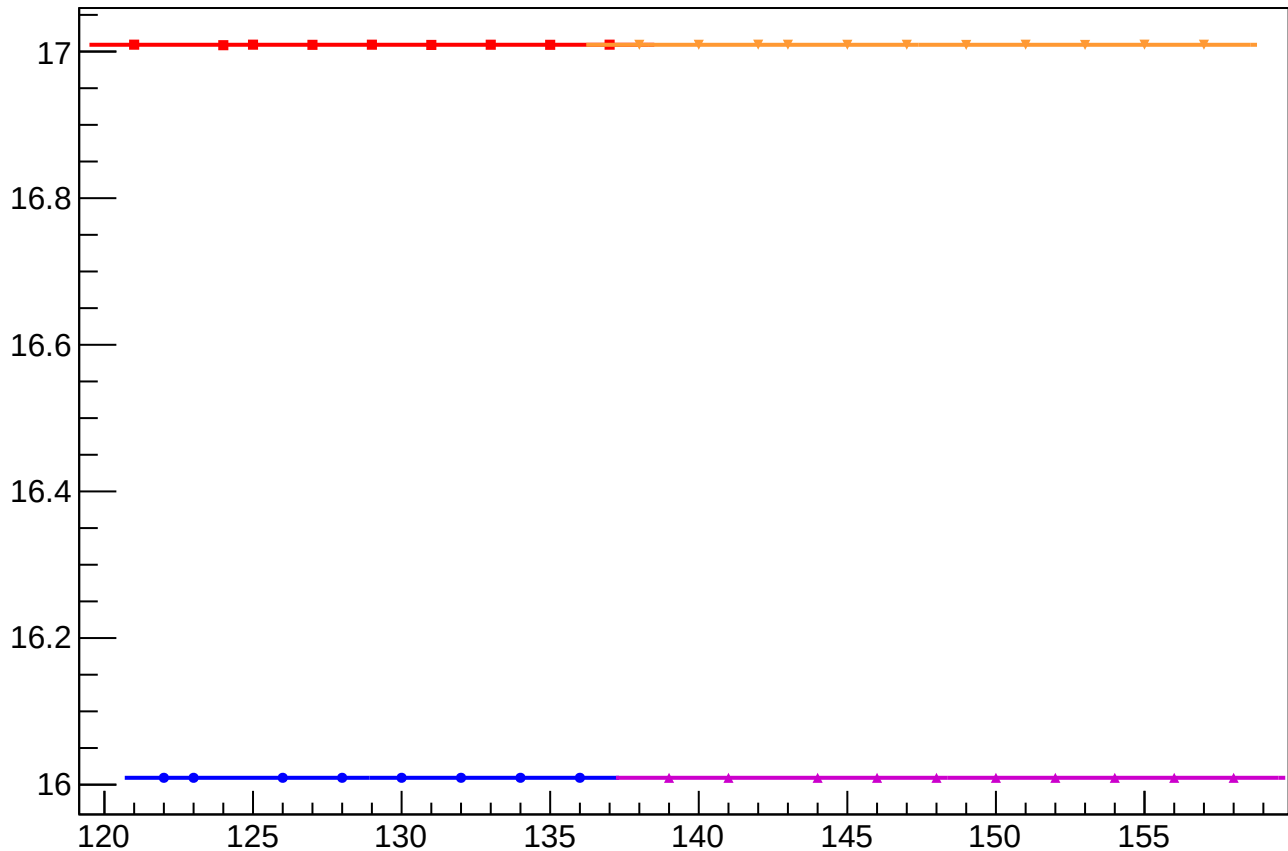
Right Out: 0.009+/-0.000 χ^2/NDF : 0.0/8

Left In: 0.009+/-0.000 χ^2/NDF : 0.0/9

0.009+/-0.000 χ^2/NDF : 0.1/18

0.009+/-0.000 χ^2/NDF : 0.1/18

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 : 10172081769806569953820672.0/10

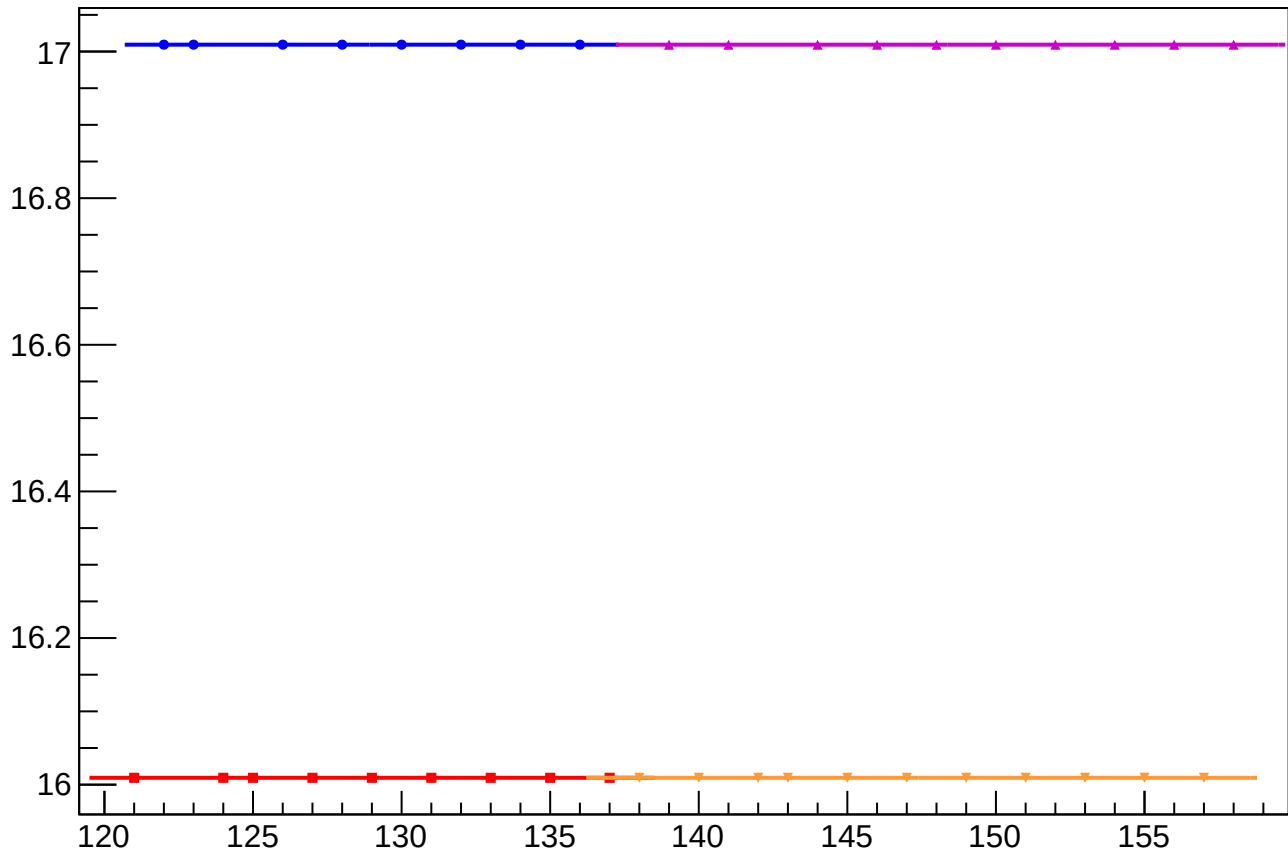
Right Out: 17.009 $\pm$ 0.000 χ^2/NDF : 8333578329558812540796928.0/8

Left In: 16.009 $\pm$ 0.000 χ^2/NDF : 28714.5/9

16.711 $\pm$ 0.000 χ^2/NDF : 22181522536995968

16.284 $\pm$ 0.000 χ^2/NDF : 21887735746840464

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 : 27932.0/10

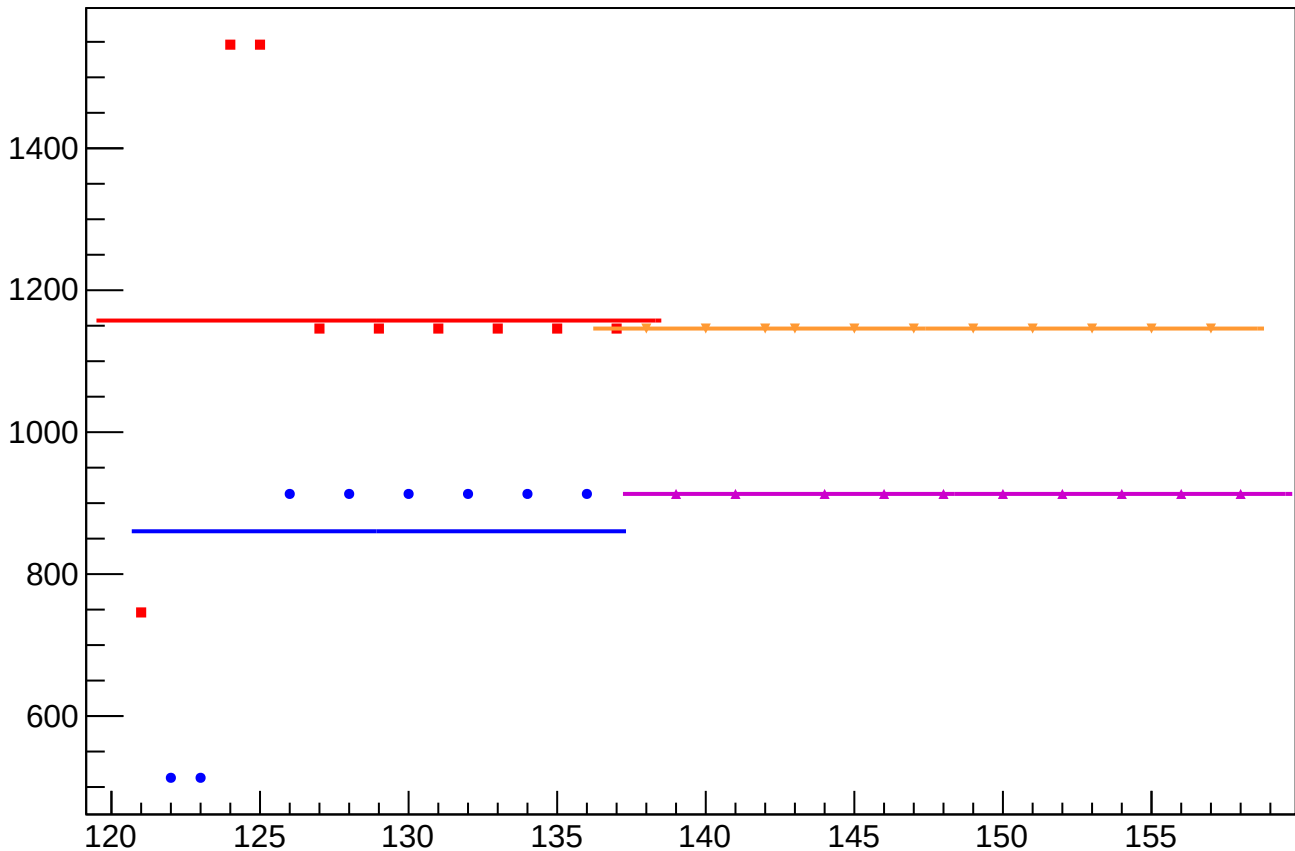
Right Out: 16.009+/-0.000 χ^2/NDF : 17859.8/8

Left In: 17.009+/-0.000 χ^2/NDF : 6942.0/9

16.301+/-0.000 χ^2/NDF : 242116140051233590

16.736+/-0.000 χ^2/NDF : 231726415094317760

RTPAPOSUCNT_mean vs Slug



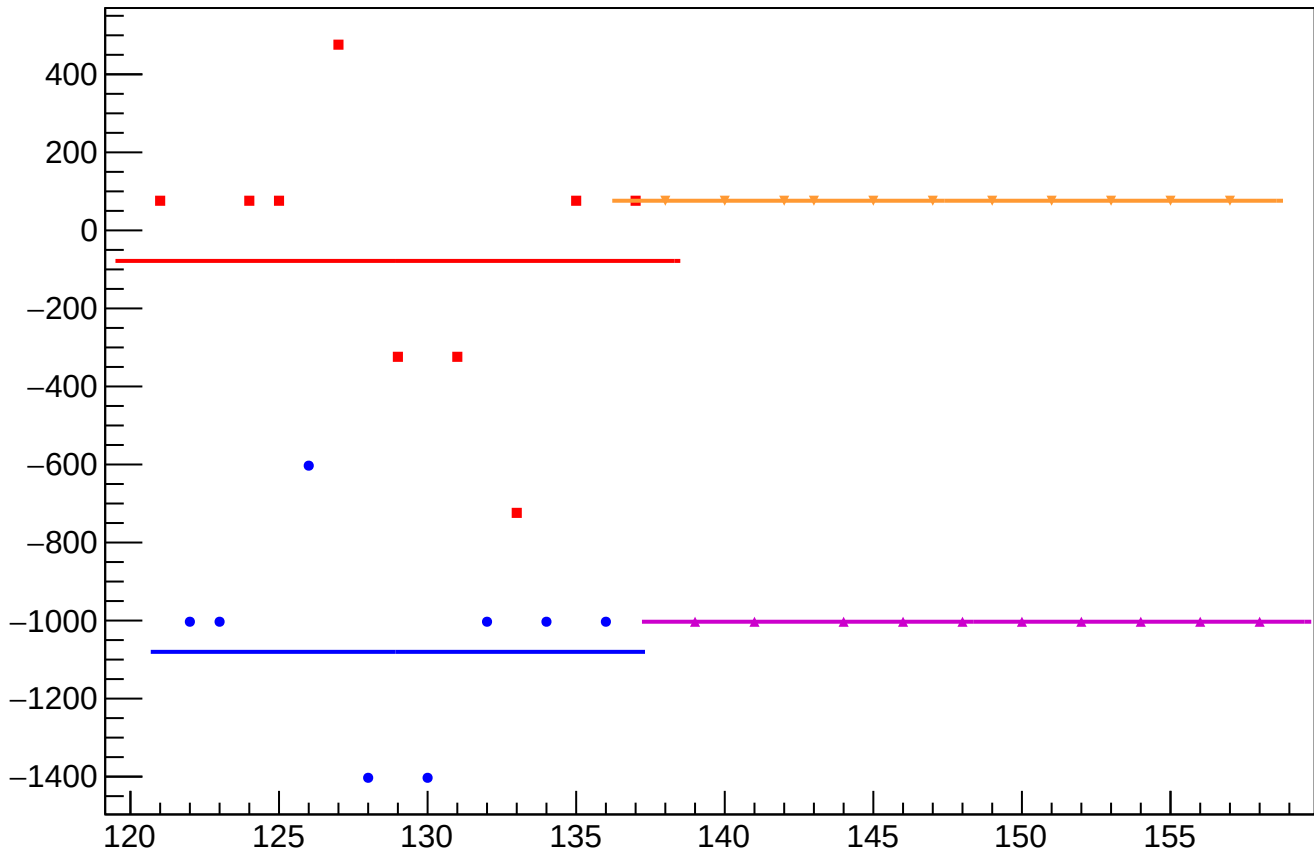
Right In: 860.361+/-0.000 χ^2/NDF : 6252693455178703850651720460594577408.0/7

Left Out: 1146.011+/-0.000 χ^2/NDF : 2623352773148546429651779584.0/10

Right Out: 1157.295+/-0.000 χ^2/NDF : 13880040120623316310083946144856014848.0/8

Left In: 912.994+/-0.000 χ^2/NDF : 10889381656170750382977318912.0/9

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 : 3100202528385717249555562496.0/10

Right Out: -78.224+/-0.000 χ^2/NDF : 39611265375063350144036471826150326272.0/8

Left In: -1002.990+/-0.000 χ^2/NDF : 1209102455159928353309327360.0/9

-259.374+/-0.000 χ^2/NDF : 3462039705634678

-749.988+/-0.000 χ^2/NDF : 2377816166715140