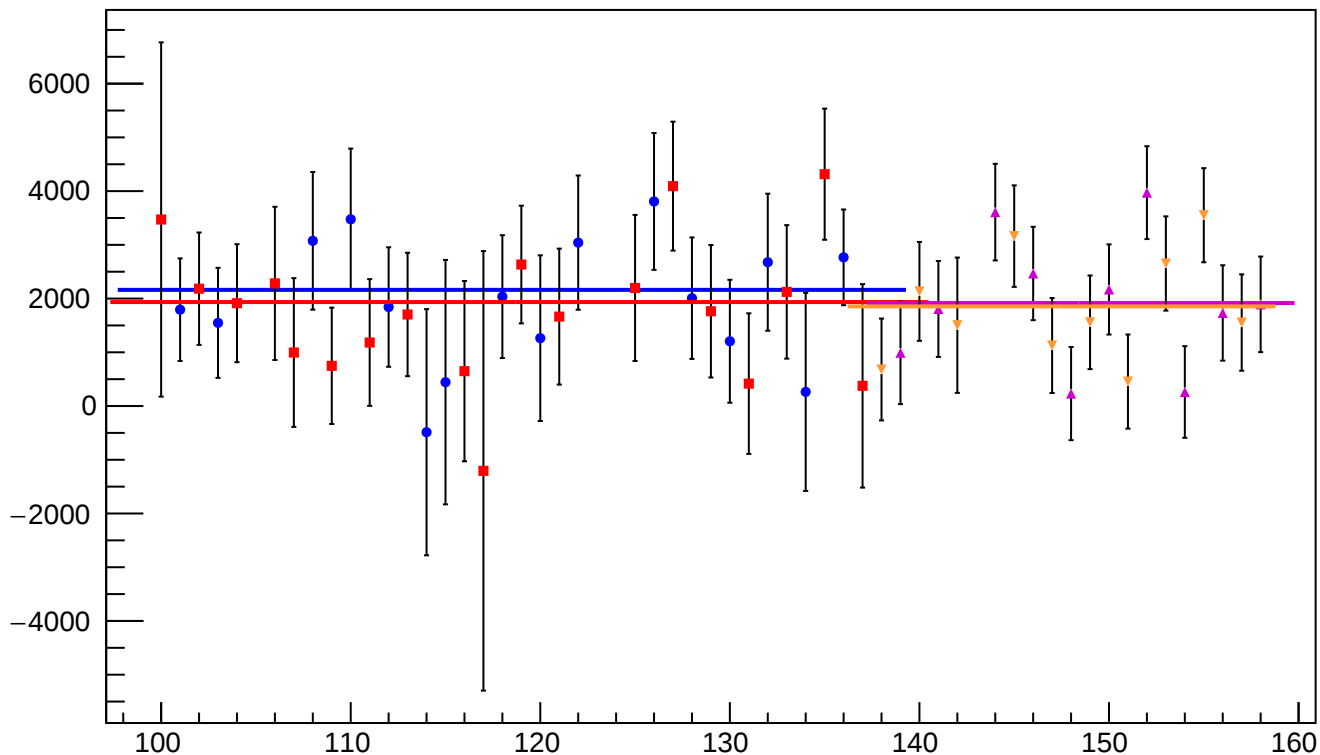


reg_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2162.311+/-307.312

χ^2/NDF : 8.9/15

Left Out: 1854.571+/-291.216

χ^2/NDF : 11.7/9

Right Out: 1935.183+/-299.773

χ^2/NDF : 13.2/18

Left In: 1916.821+/-278.302

χ^2/NDF : 18.2/9

2000.170+/-211.382

χ^2/NDF : 21.1/25

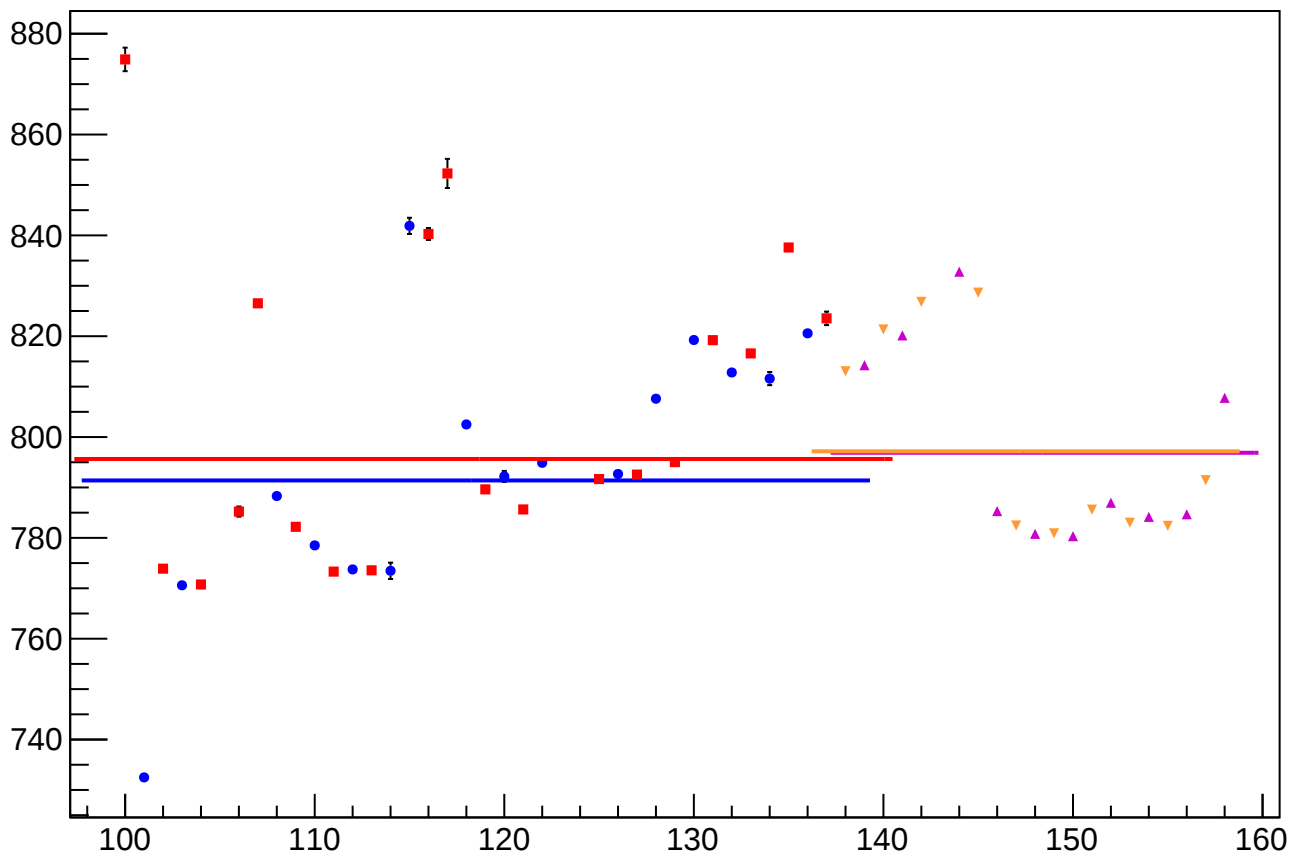
1961.408+/-146.774

χ^2/NDF : 52.6/54

1925.321+/-203.958

χ^2/NDF : 31.5/28

reg_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 791.390 $\pm$ 0.217 χ^2 /NDF: 15008.3/15

Left Out: 797.175 $\pm$ 0.206 χ^2 /NDF: 8043.2/9

Right Out: 795.650 $\pm$ 0.212 χ^2 /NDF: 11945.4/18

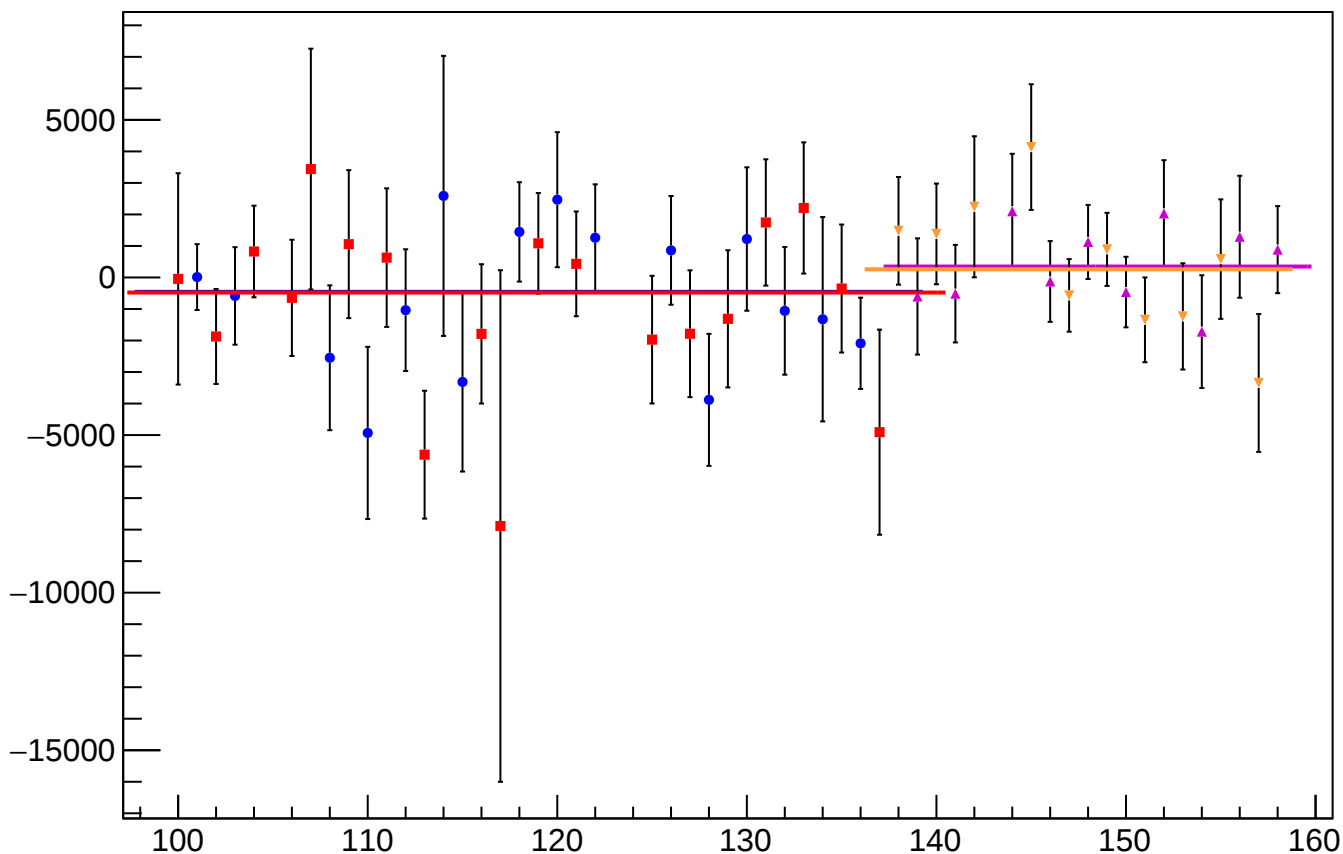
Left In: 796.882 $\pm$ 0.197 χ^2 /NDF: 8419.8/9

794.438 $\pm$ 0.149 χ^2 /NDF: 23424.8/25

795.409 $\pm$ 0.104 χ^2 /NDF: 43889.6/54

796.312 $\pm$ 0.144 χ^2 /NDF: 20383.3/28

asym_us_avg_correction_mean vs Slug, Sign Corrected



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

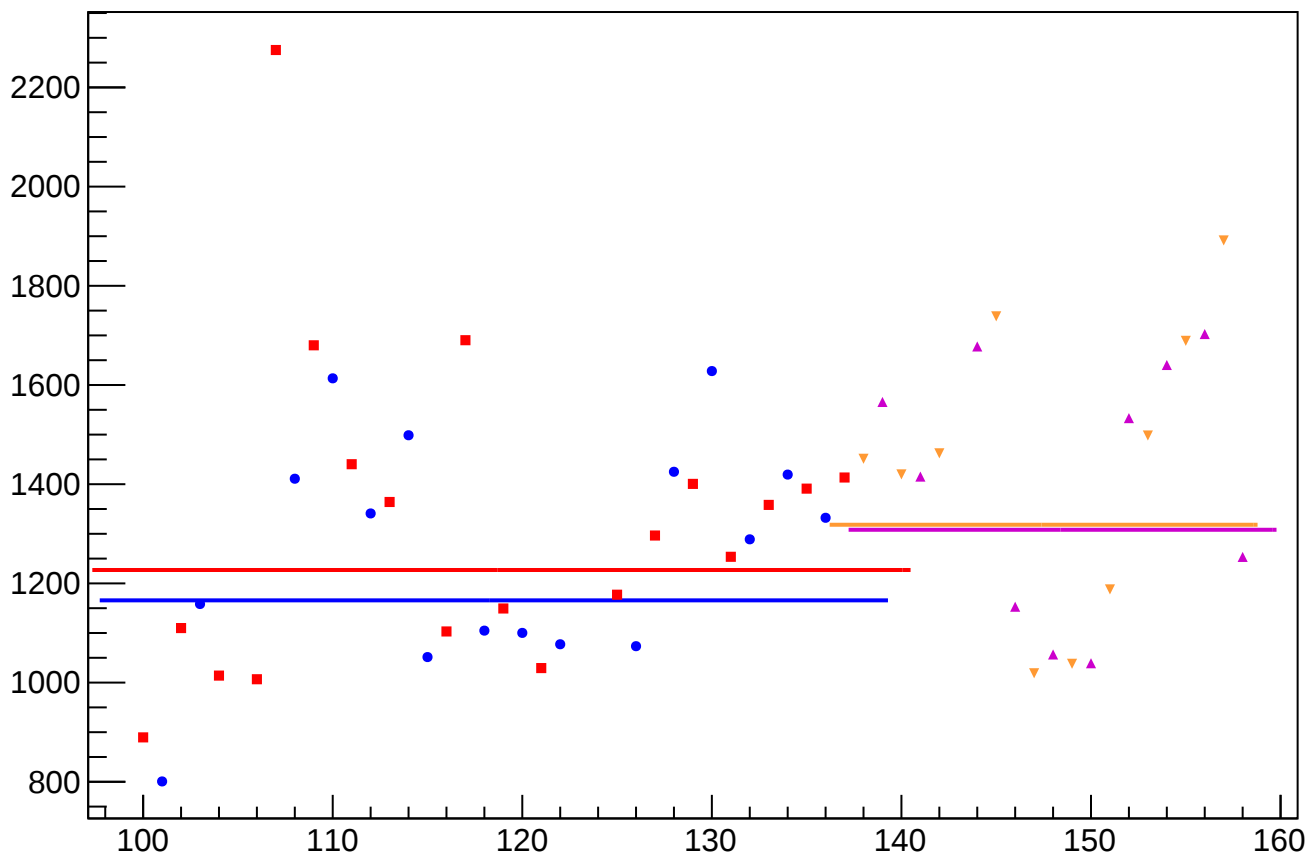
Left In: 347.026+/-466.260 χ^2/NDF : 5.3/9

-121.302+/-338.731 χ^2/NDF : 27.3/25

-90.195+/-236.991 χ^2/NDF : 52.4/54

-60.367+/-331.693 χ^2/NDF : 25.0/28

asym_us_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1318.255 $\pm$ 0.350 χ^2 /NDF: 624936.7/9

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

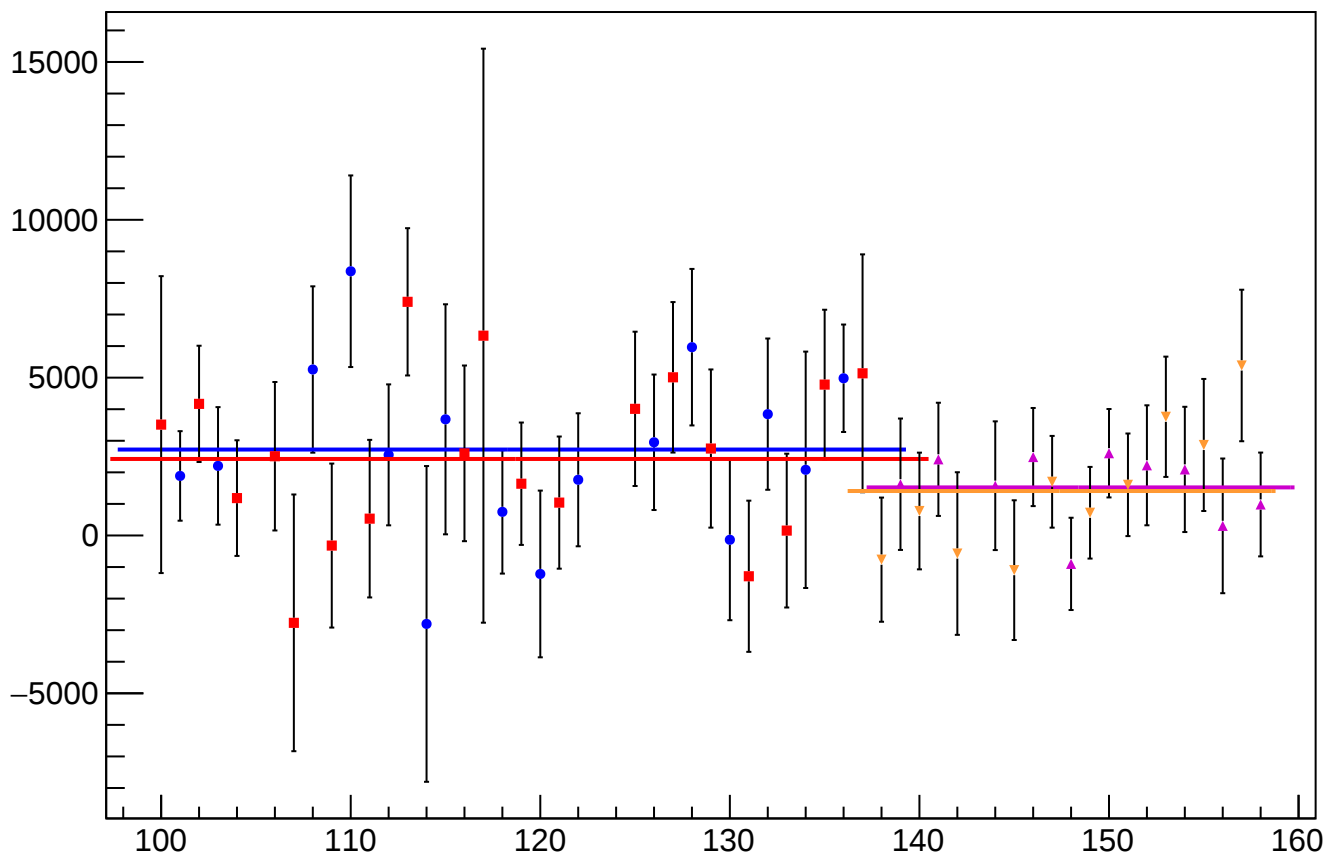
Left In: 1308.114 $\pm$ 0.330 χ^2 /NDF: 558530.7/9

1237.094 $\pm$ 0.240 χ^2 /NDF: 1252582.1/25

1252.902 $\pm$ 0.168 χ^2 /NDF: 2296488.5/54

1268.060 $\pm$ 0.235 χ^2 /NDF: 1035373.8/28

asym_us_avg_mean vs Slug, Sign Corrected



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

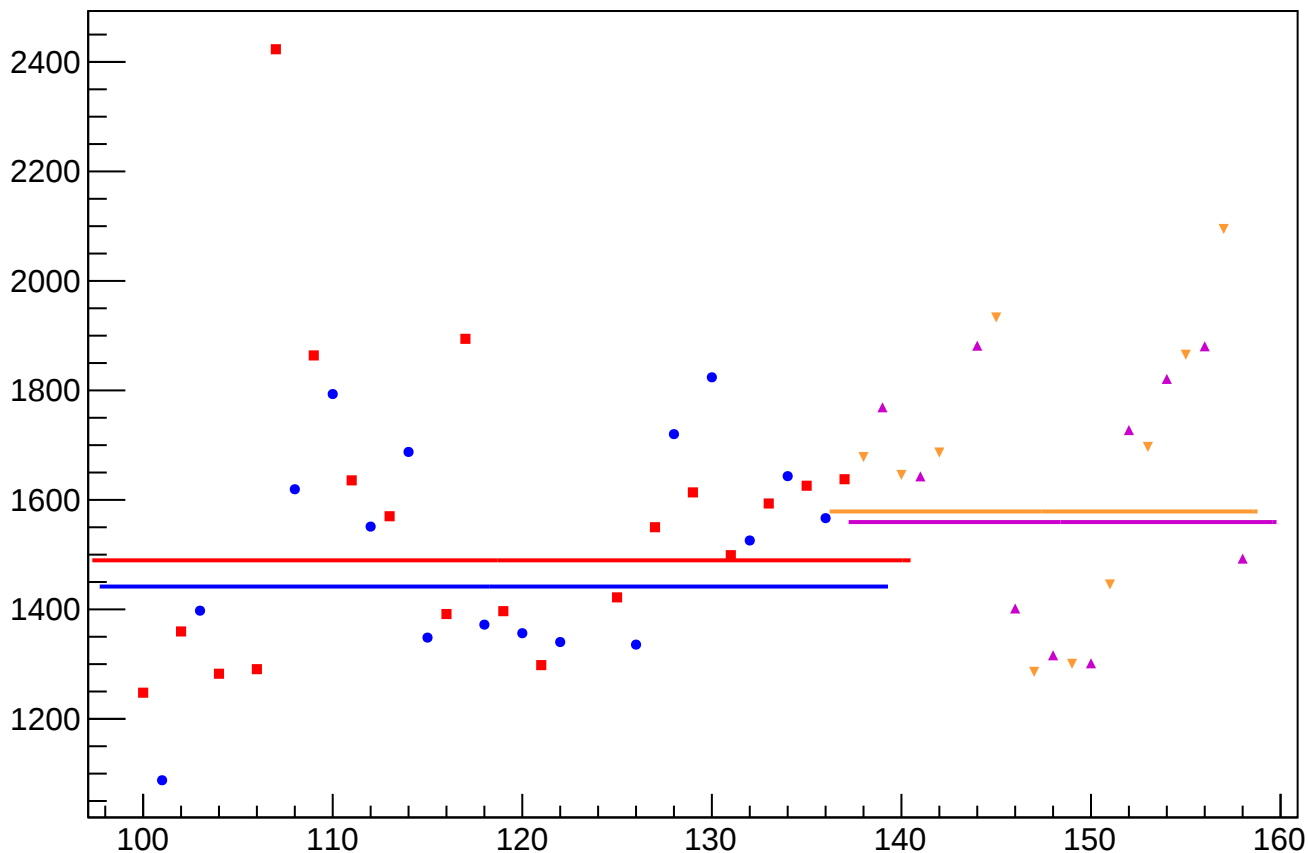
Left In: 1522.830 ± 550.918 χ^2/NDF : 4.6/9

2087.140 ± 407.606 χ^2/NDF : 25.4/25

2021.455 ± 283.812 χ^2/NDF : 47.8/54

1959.640 ± 395.414 χ^2/NDF : 22.4/28

asym_us_avg_rms vs Slug, Sign Corrected



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

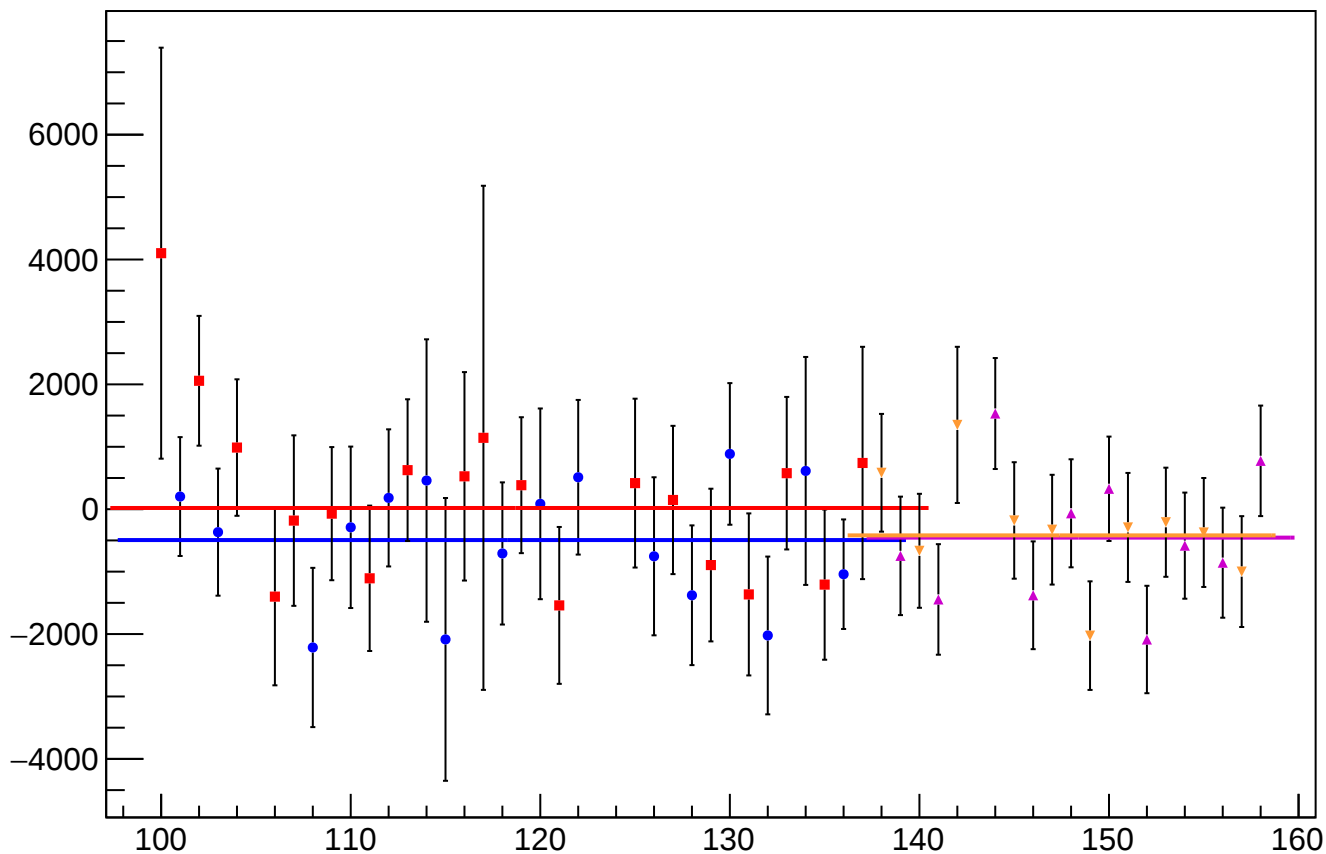
Left In: 1559.500+/-0.390 χ^2/NDF : 317457.5/9

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

1517.085+/-0.201 χ^2/NDF : 1295807.3/54

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

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

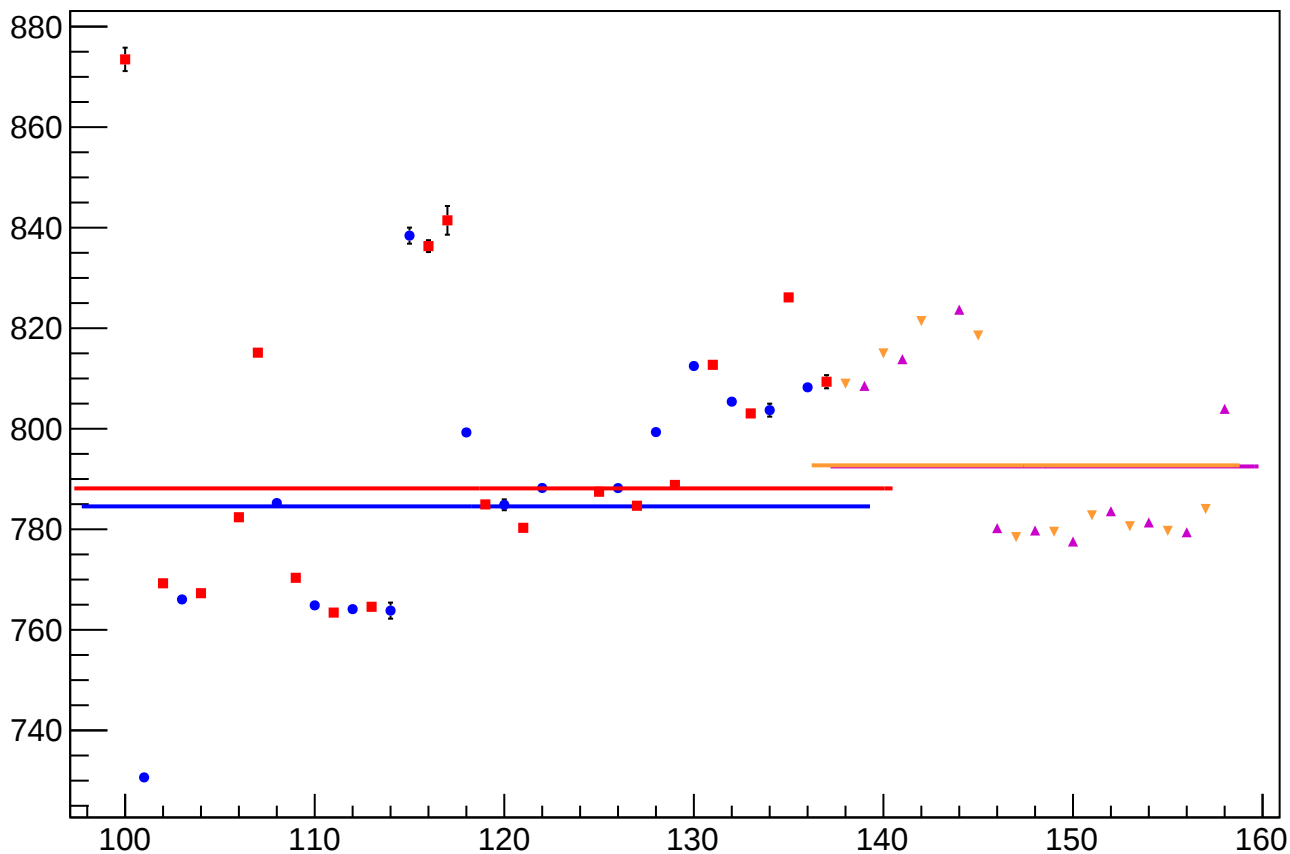
Left In: -455.247+/-276.754 χ^2/NDF : 14.3/9

-454.839+/-209.877 χ^2/NDF : 15.9/25

-340.699+/-145.709 χ^2/NDF : 45.6/54

-234.493+/-202.452 χ^2/NDF : 29.1/28

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

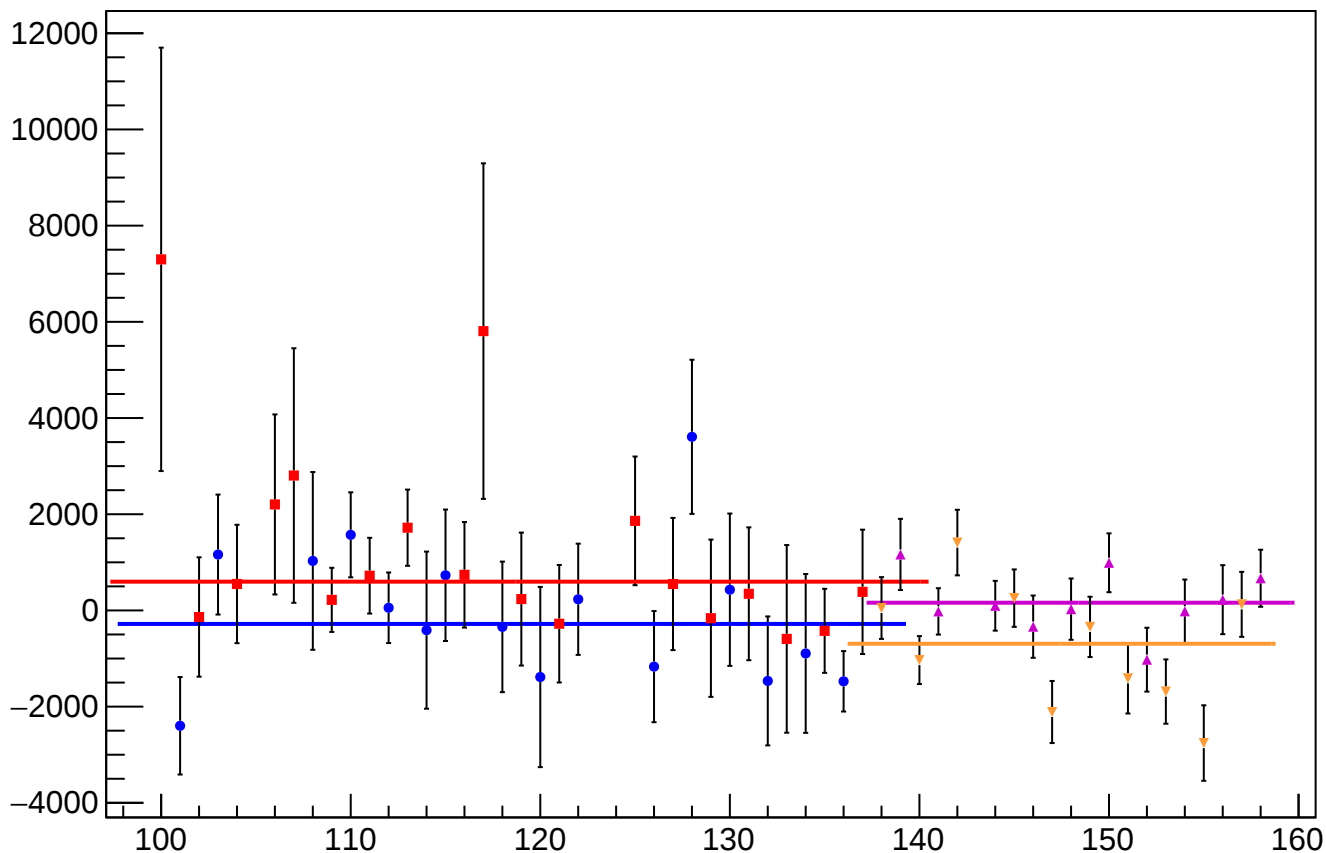
Left In: 792.502 $\pm$ 0.196 χ^2 /NDF: 7001.0/9

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

789.689 $\pm$ 0.103 χ^2 /NDF: 39622.9/54

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

asym_us_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -693.356 $\pm$ 202.981 χ^2 /NDF:30.6/9

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

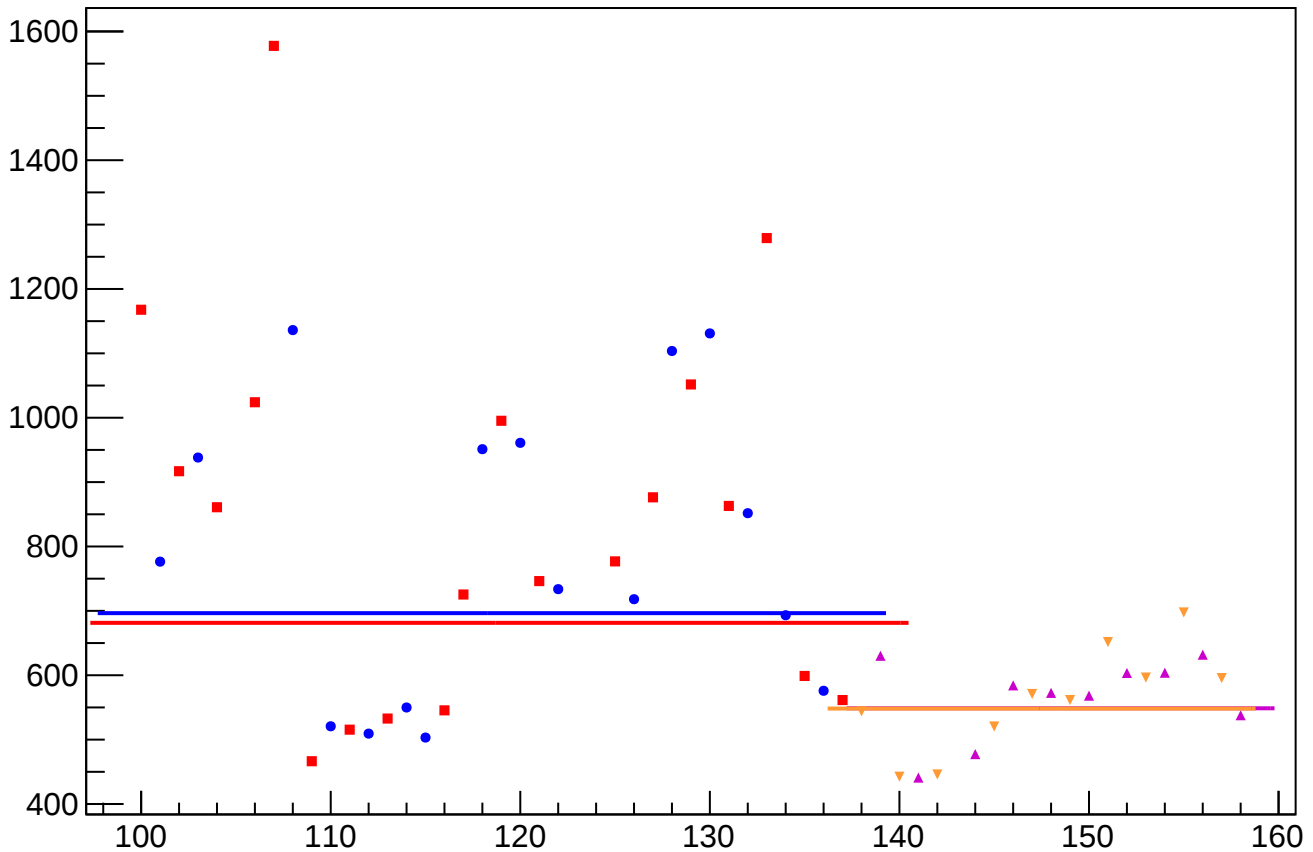
Left In: 160.307 $\pm$ 193.395 χ^2 /NDF:8.5/9

-552.830 $\pm$ 164.842 χ^2 /NDF: 55.1/25

-103.539 $\pm$ 113.924 χ^2 /NDF: 91.7/54

307.276 $\pm$ 157.626 χ^2 /NDF: 22.4/28

asym_us_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 548.259+/-0.144 χ^2/NDF : 275488.2/9

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

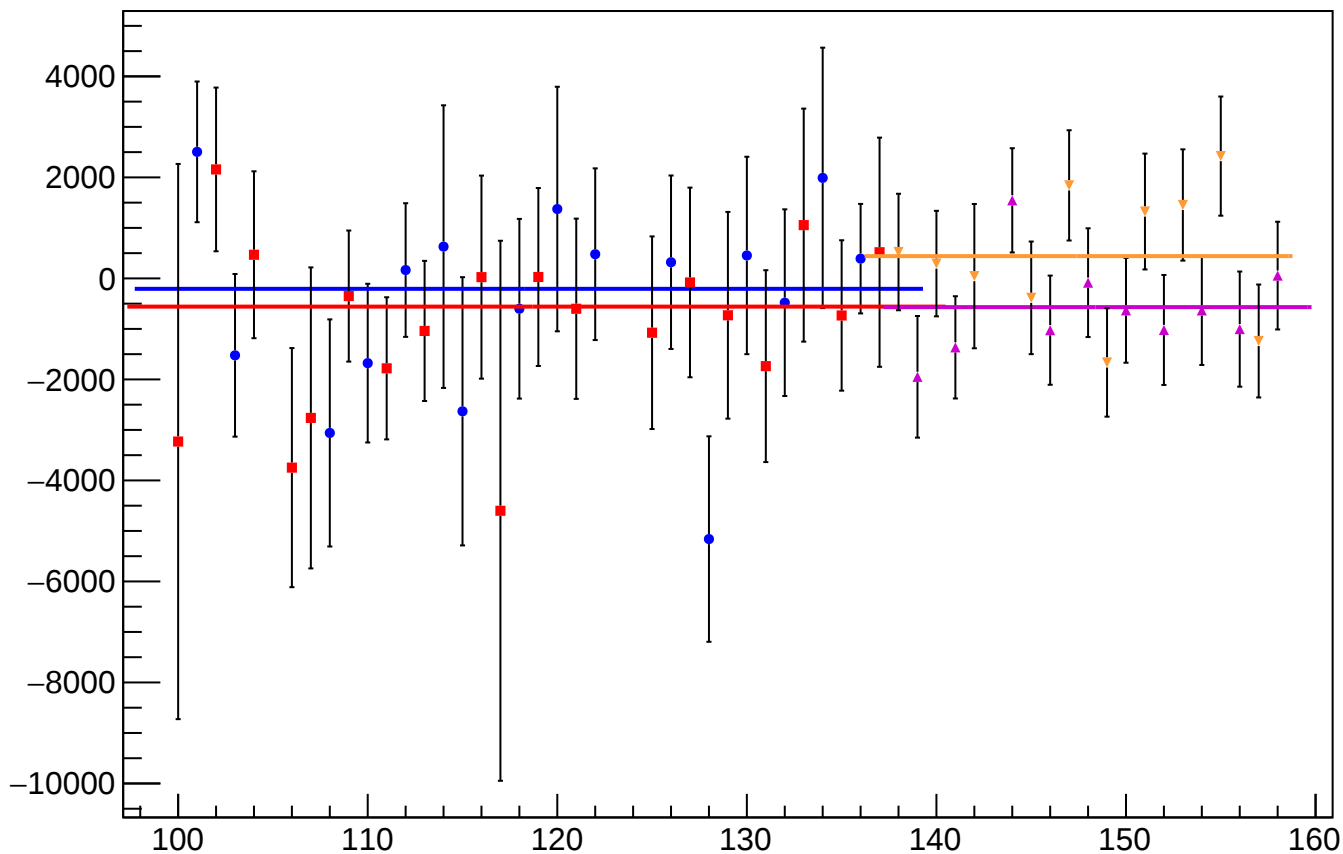
Left In: 548.662+/-0.137 χ^2/NDF : 227963.0/9

598.720+/-0.117 χ^2/NDF : 1597995.2/25

595.847+/-0.081 χ^2/NDF : 3496263.3/54

593.221+/-0.111 χ^2/NDF : 1897105.6/28

asym_us_dd_mean vs Slug, Sign Corrected



Right In: -206.385 ± 433.774 $\chi^2/\text{NDF}: 15.8/15$

Left Out: 441.016 ± 358.676 $\chi^2/\text{NDF}: 12.7/9$

Right Out: -558.638 ± 425.771 $\chi^2/\text{NDF}: 8.7/18$

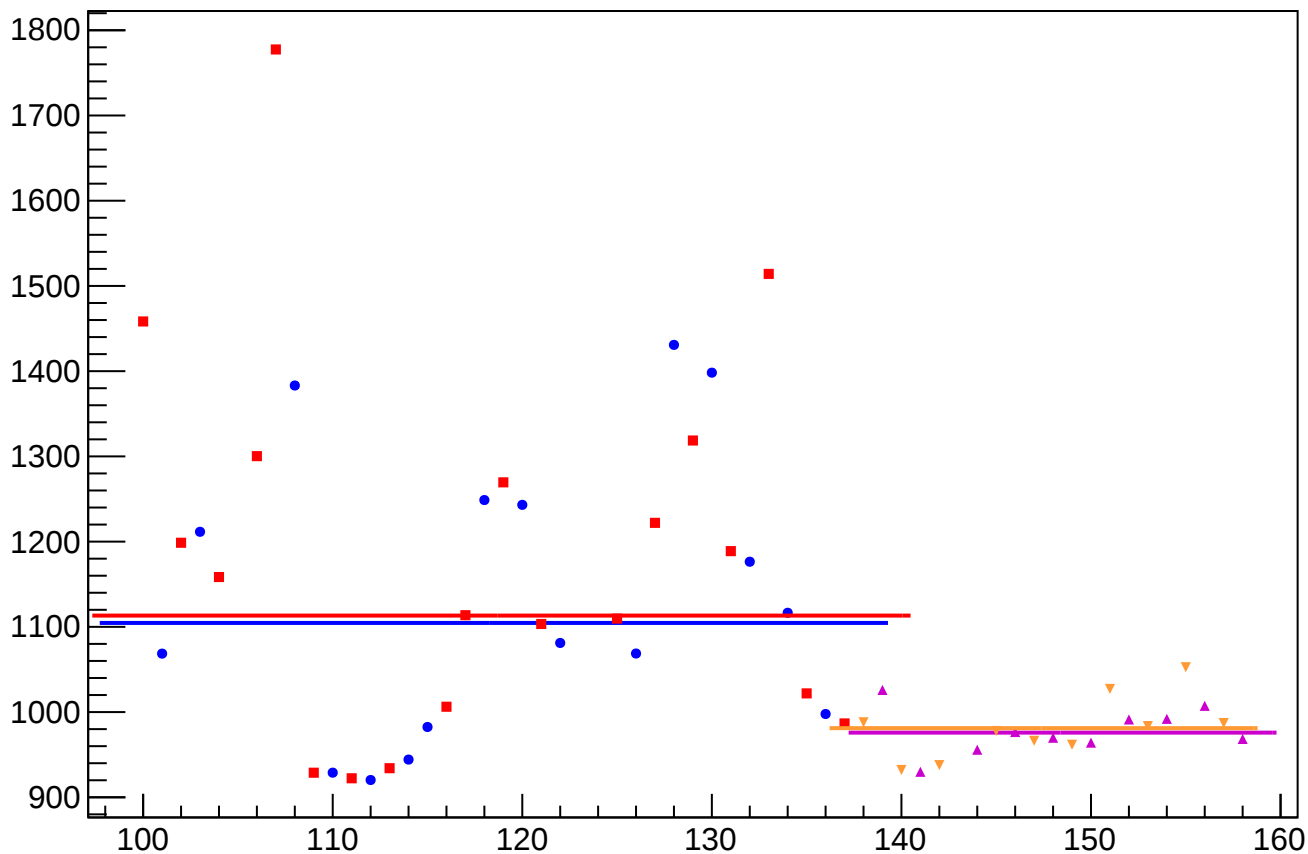
Left In: -568.609 ± 340.937 $\chi^2/\text{NDF}: 7.2/9$

178.122 ± 276.419 $\chi^2/\text{NDF}: 29.8/25$

-207.379 ± 191.716 $\chi^2/\text{NDF}: 49.4/54$

-564.714 ± 266.129 $\chi^2/\text{NDF}: 15.9/28$

asym_us_dd_rms vs Slug, Sign Corrected



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

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

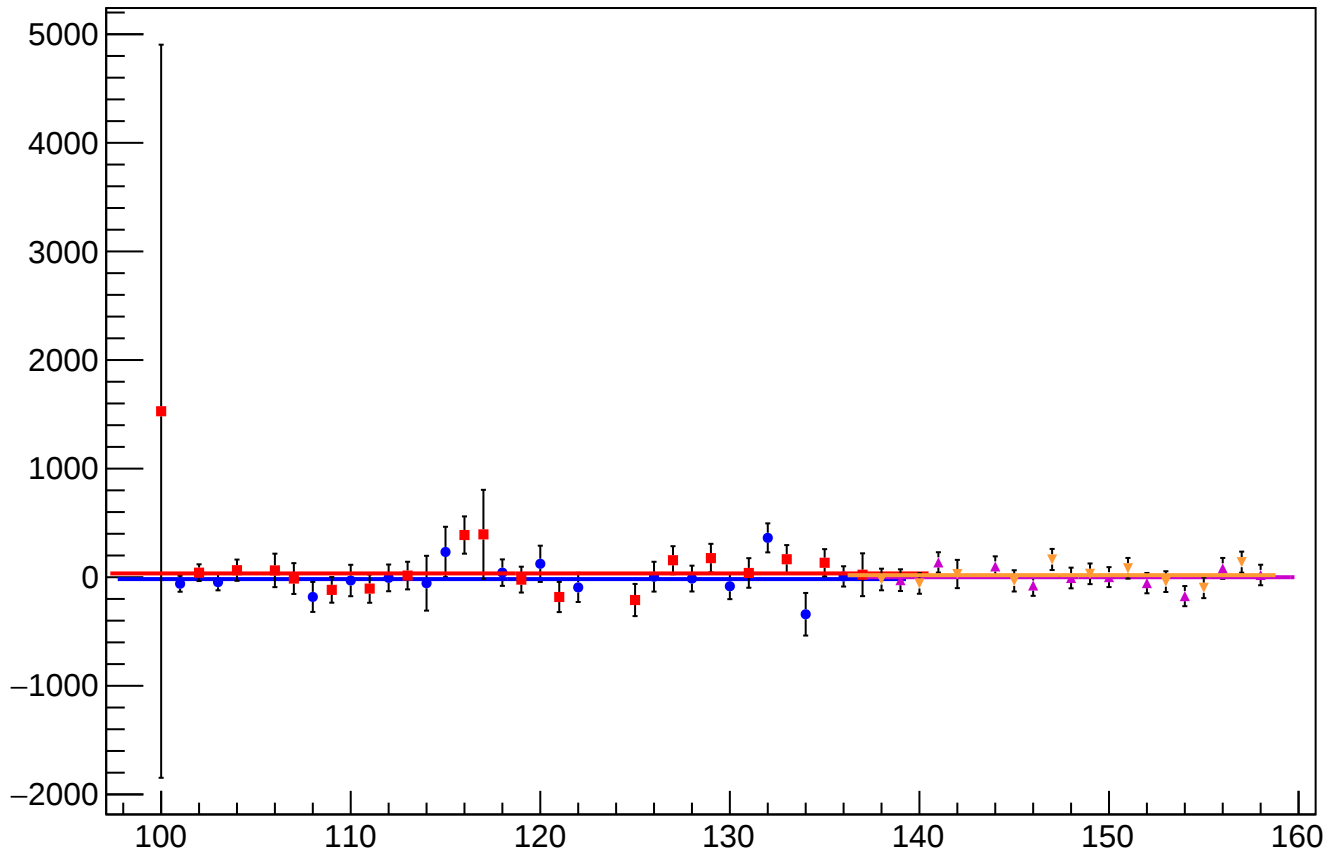
Left In: 975.889 $\pm$ 0.241 χ^2/NDF : 11127.6/9

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

1030.374 $\pm$ 0.136 χ^2/NDF : 870641.7/54

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

reg_asym_ds_avg_mean vs Slug, Sign Corrected



Right In: -17.236 ± 29.988 $\chi^2/\text{NDF}: 15.6/15$

Left Out: 18.866 ± 31.206 $\chi^2/\text{NDF}: 7.1/9$

Right Out: 34.875 ± 30.363 $\chi^2/\text{NDF}: 17.3/18$

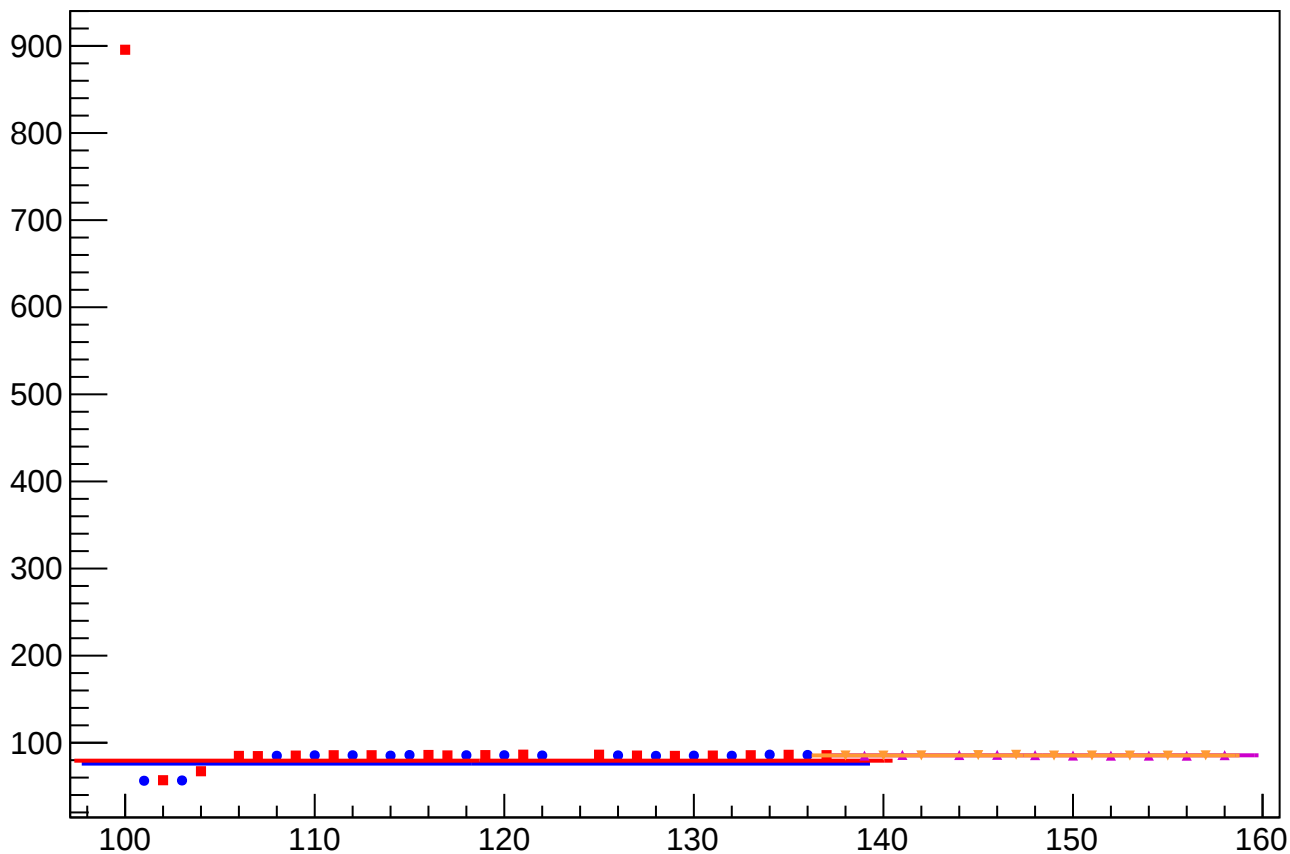
Left In: -0.033 ± 29.886 $\chi^2/\text{NDF}: 8.6/9$

0.097 ± 21.622 $\chi^2/\text{NDF}: 23.4/25$

8.749 ± 15.174 $\chi^2/\text{NDF}: 50.3/54$

17.145 ± 21.299 $\chi^2/\text{NDF}: 26.6/28$

reg_asym_ds_avg_rms vs Slug, Sign Corrected



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

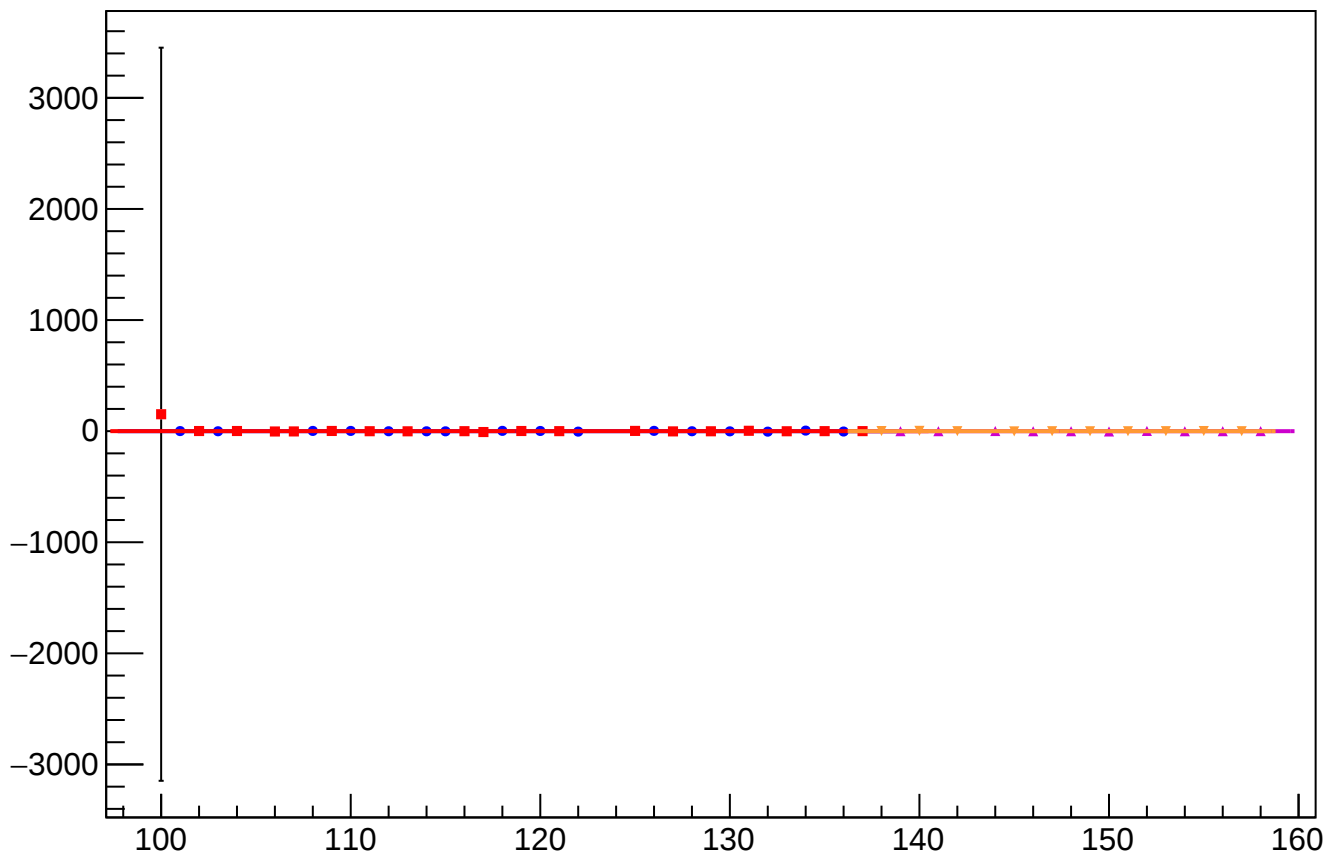
Left In: 85.596+/-0.021 χ^2 /NDF:295.8/9

80.580+/-0.015 χ^2 /NDF: 503172.0/25

81.584+/-0.011 χ^2 /NDF: 932913.3/54

82.558+/-0.015 χ^2 /NDF: 421243.2/28

asym_ds_avg_correction_mean vs Slug, Sign Corrected



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

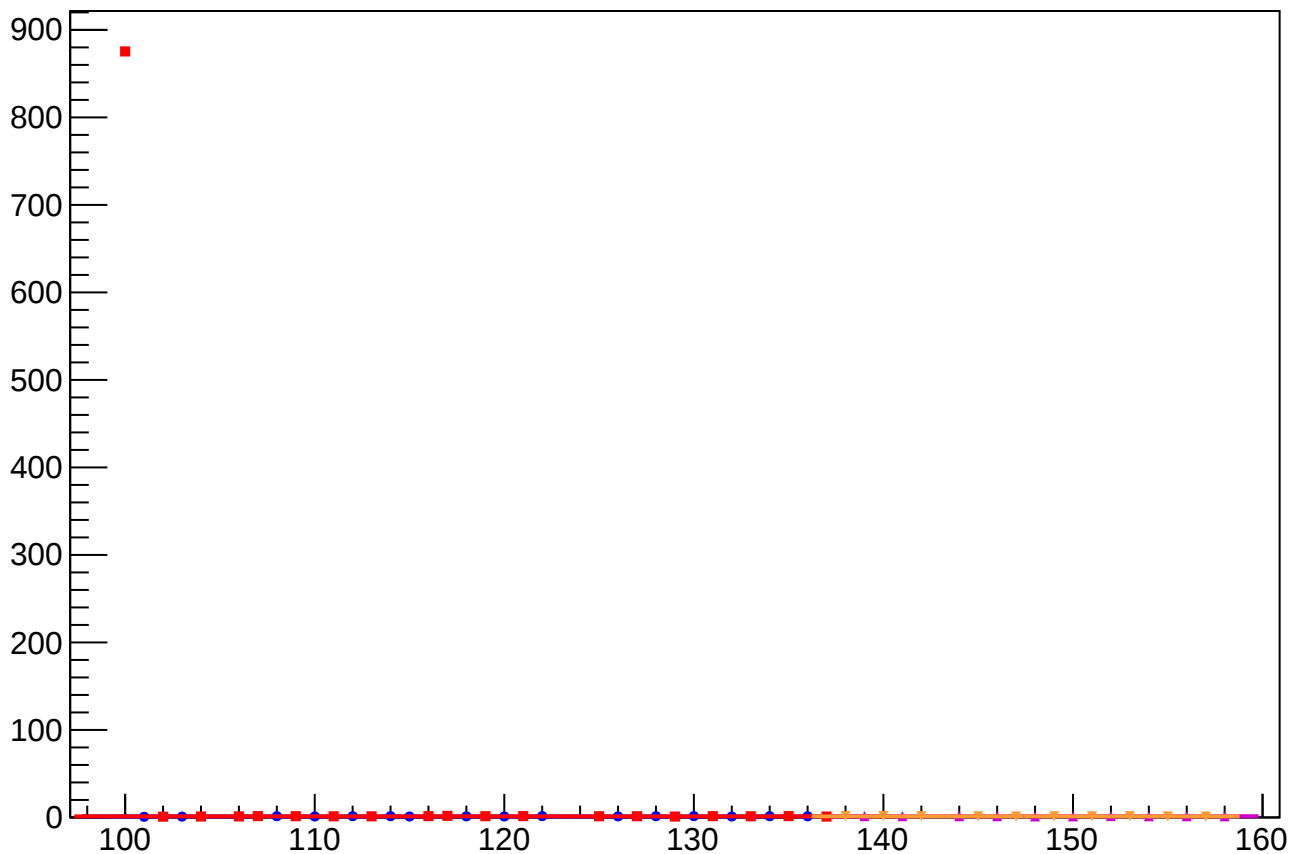
Left In: -0.275 ± 0.531 χ^2/NDF : 5.0/9

-0.280 ± 0.360 χ^2/NDF : 26.6/25

-0.197 ± 0.258 χ^2/NDF : 41.7/54

-0.108 ± 0.372 χ^2/NDF : 15.0/28

asym_ds_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.270 $\pm$ 0.000 χ^2 /NDF: 168681.7/9

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

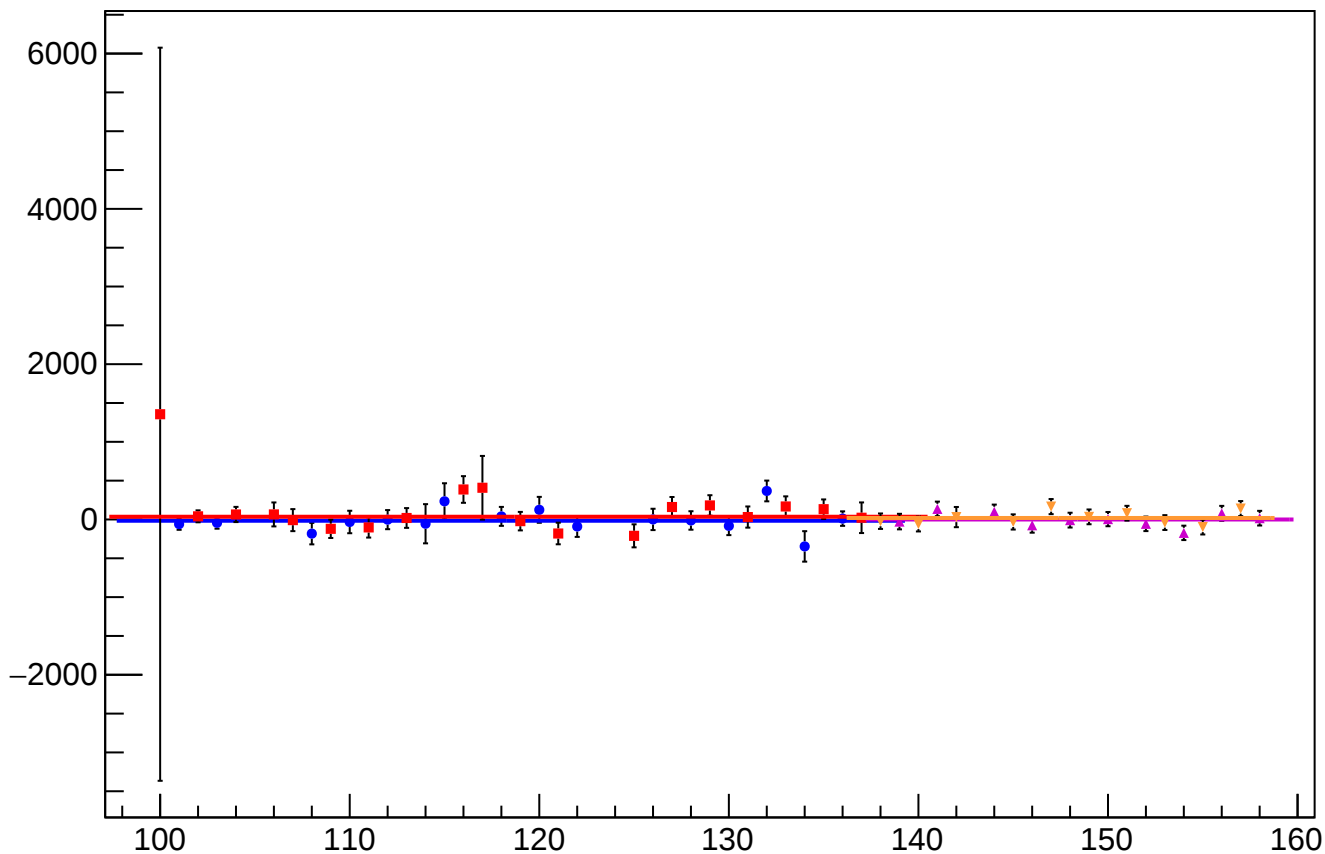
Left In: 1.406 $\pm$ 0.000 χ^2 /NDF: 79620.5/9

1.210 $\pm$ 0.000 χ^2 /NDF: 736442.9/25

1.266 $\pm$ 0.000 χ^2 /NDF: 1532794.6/54

1.326 $\pm$ 0.000 χ^2 /NDF: 694964.6/28

asym_ds_avg_mean vs Slug, Sign Corrected



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

Left Out: 19.278 $\pm$ 31.214 χ^2/NDF : 7.3/9

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

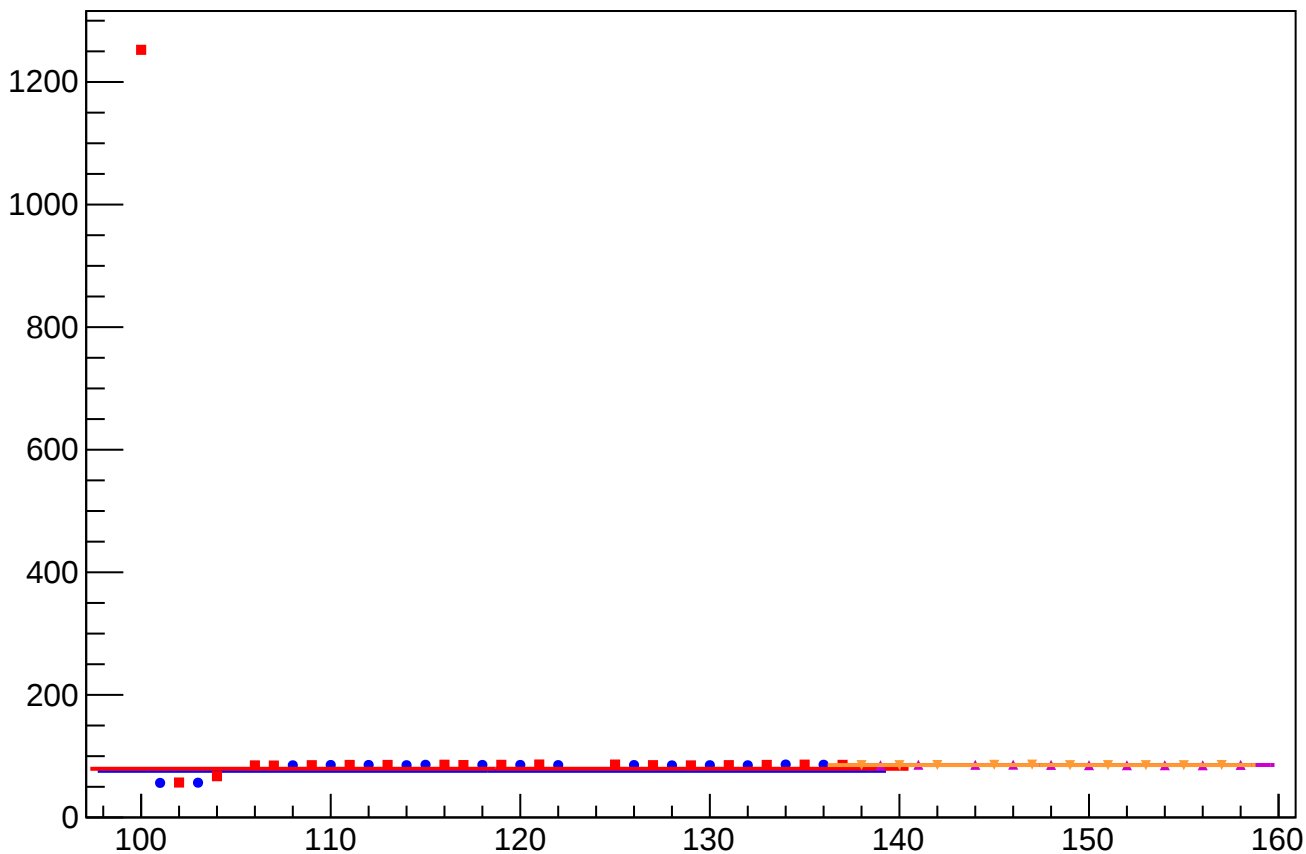
Left In: -0.334 $\pm$ 29.894 χ^2/NDF : 8.5/9

0.775 $\pm$ 21.628 χ^2/NDF : 23.8/25

9.080 $\pm$ 15.178 χ^2/NDF : 50.6/54

17.138 $\pm$ 21.305 χ^2/NDF : 26.5/28

asym_ds_avg_rms vs Slug, Sign Corrected



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

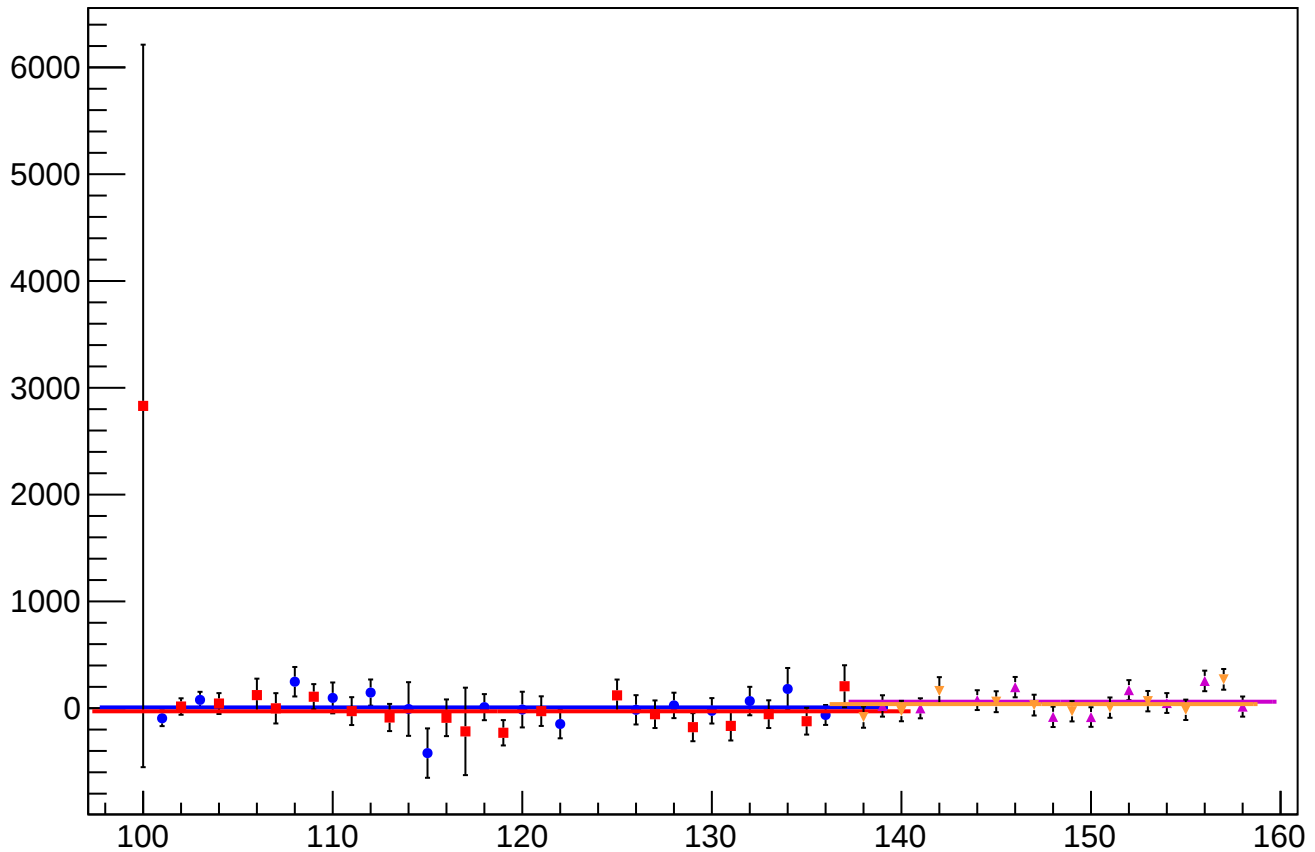
Left In: 85.619+/-0.021 χ^2/NDF : 295.5/9

80.601+/-0.015 χ^2/NDF : 503200.5/25

81.601+/-0.011 χ^2/NDF : 939643.3/54

82.572+/-0.015 χ^2/NDF : 428013.1/28

reg_asym_ds_dd_mean vs Slug, Sign Corrected



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

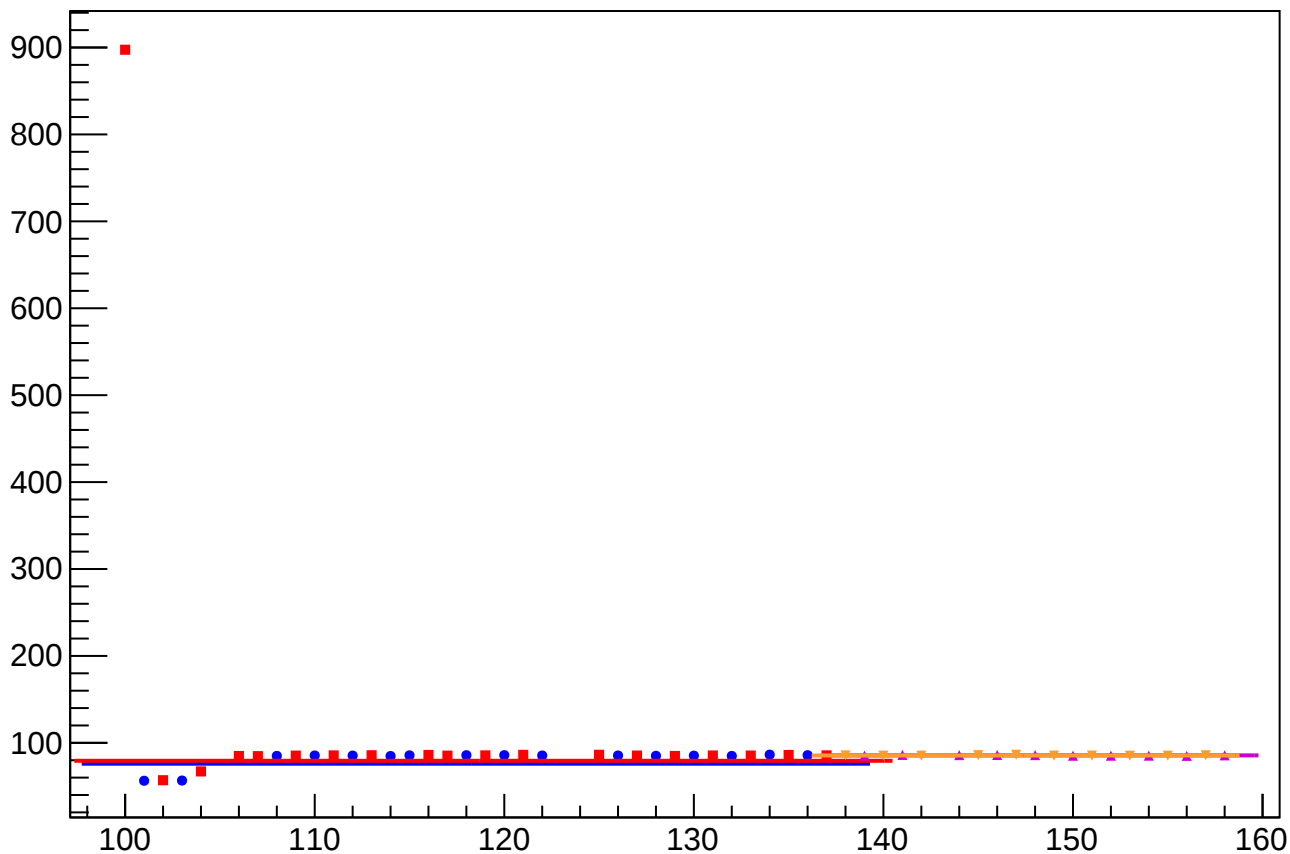
Left In: 60.879 ± 29.881 χ^2/NDF : 13.0/9

22.352 ± 21.618 χ^2/NDF : 24.1/25

19.458 ± 15.169 χ^2/NDF : 54.3/54

16.651 ± 21.291 χ^2/NDF : 30.2/28

reg_asym_ds_dd_rms vs Slug, Sign Corrected



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

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

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

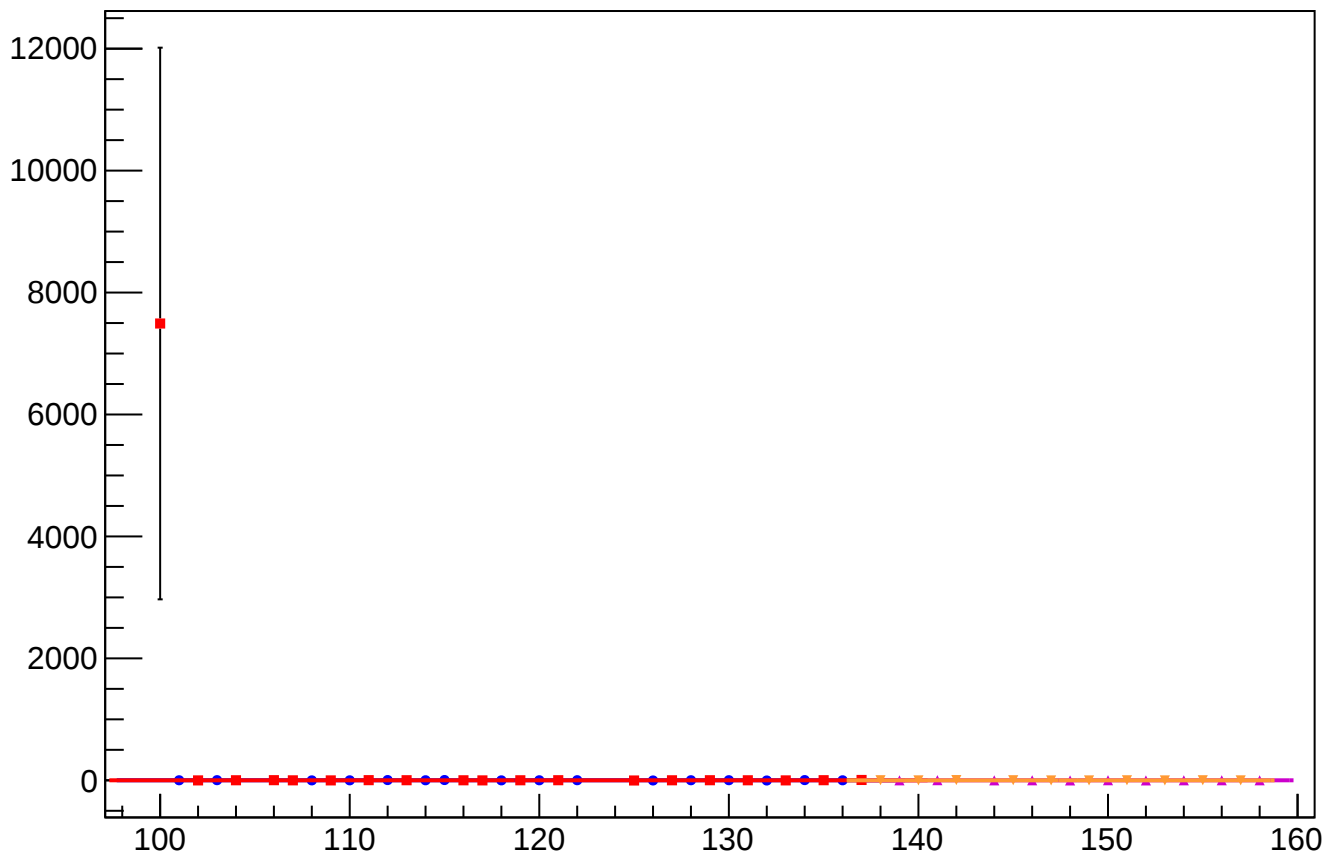
Left In: 85.582 $\pm$ 0.021 χ^2 /NDF: 312.5/9

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

81.558 $\pm$ 0.011 χ^2 /NDF: 934347.0/54

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

asym_ds_dd_correction_mean vs Slug, Sign Corrected



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

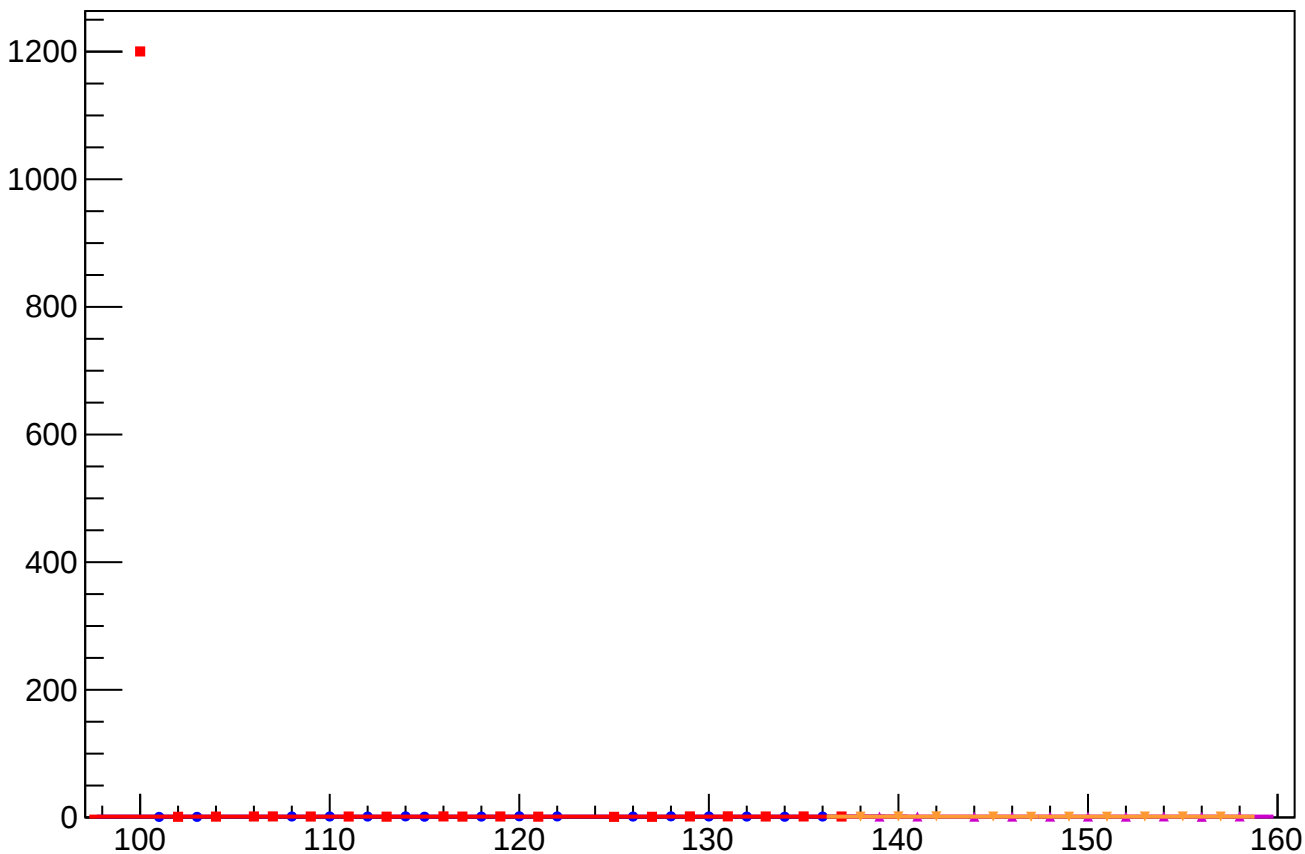
Left In: 0.140 ± 0.521 χ^2/NDF : 4.9/9

0.301 ± 0.375 χ^2/NDF : 22.6/25

0.260 ± 0.266 χ^2/NDF : 40.2/54

0.218 ± 0.377 χ^2/NDF : 17.6/28

asym_ds_dd_correction_rms vs Slug, Sign Corrected



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

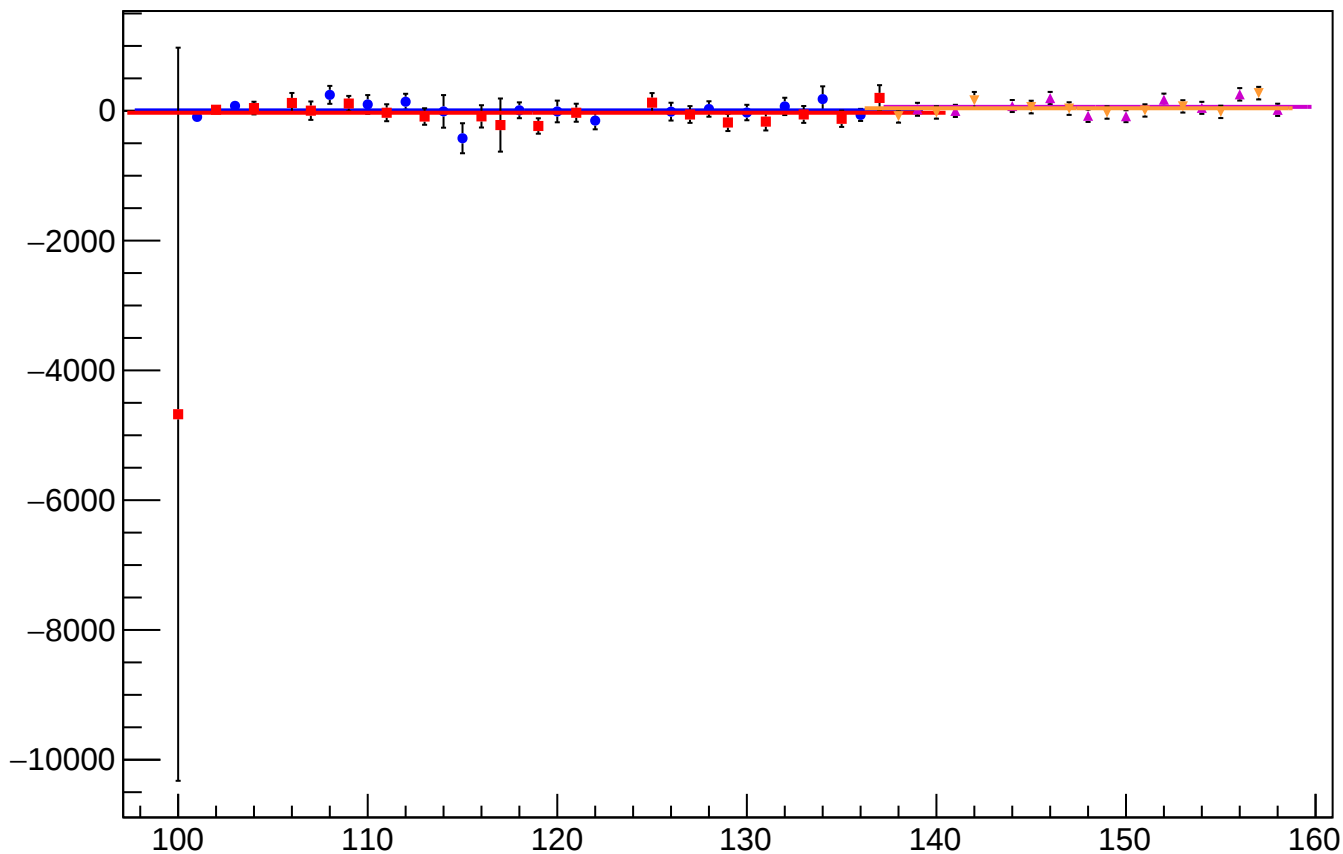
Left In: 1.365 $\pm$ 0.000 χ^2 /NDF:181664.6/9

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

1.310 $\pm$ 0.000 χ^2 /NDF: 1640167.9/54

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

asym_ds_dd_mean vs Slug, Sign Corrected



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

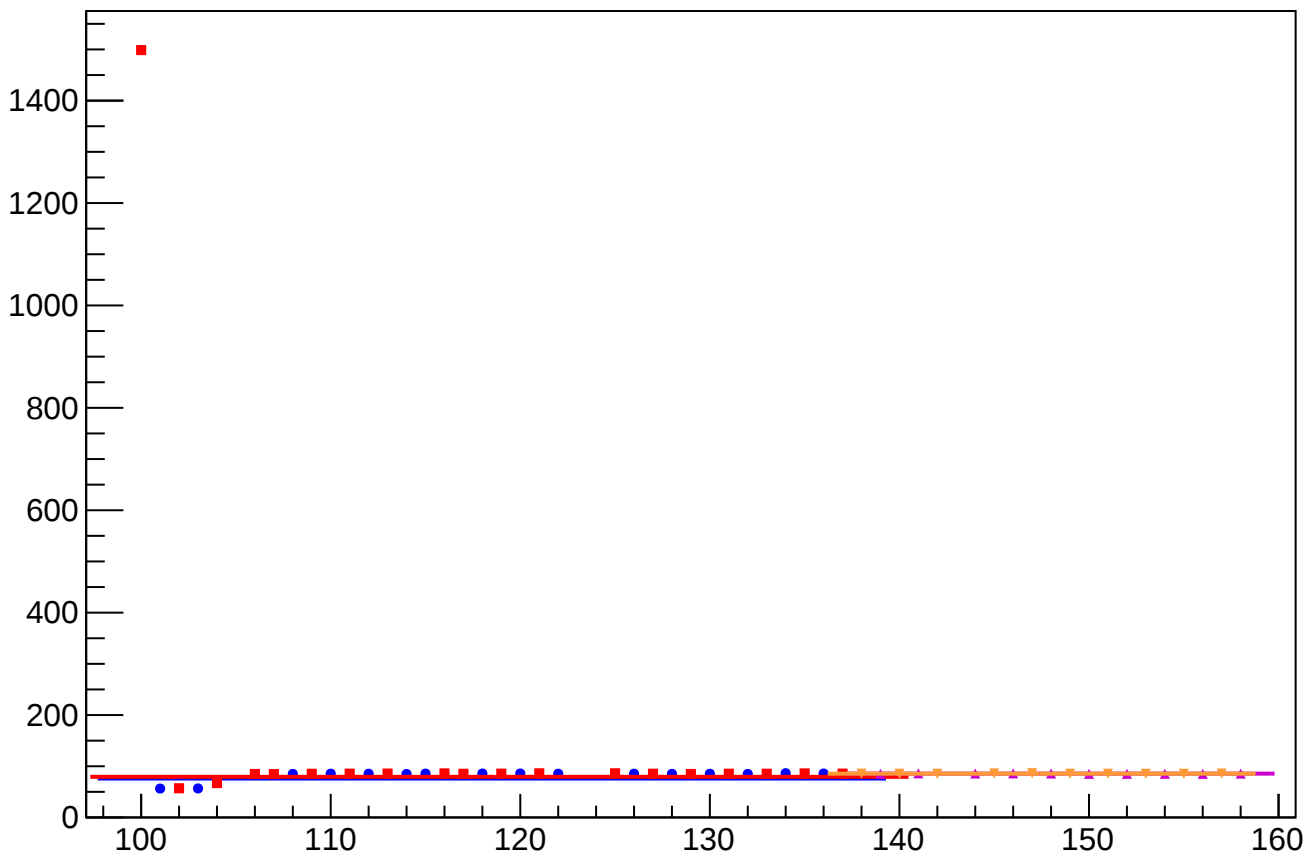
Left In: 61.044 ± 29.889 χ^2/NDF : 12.8/9

22.396 ± 21.623 χ^2/NDF : 24.1/25

19.363 ± 15.173 χ^2/NDF : 54.4/54

16.420 ± 21.297 χ^2/NDF : 30.2/28

asym_ds_dd_rms vs Slug, Sign Corrected



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

Left Out: 85.495 $\pm$ 0.022 χ^2 /NDF: 225.9/9

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

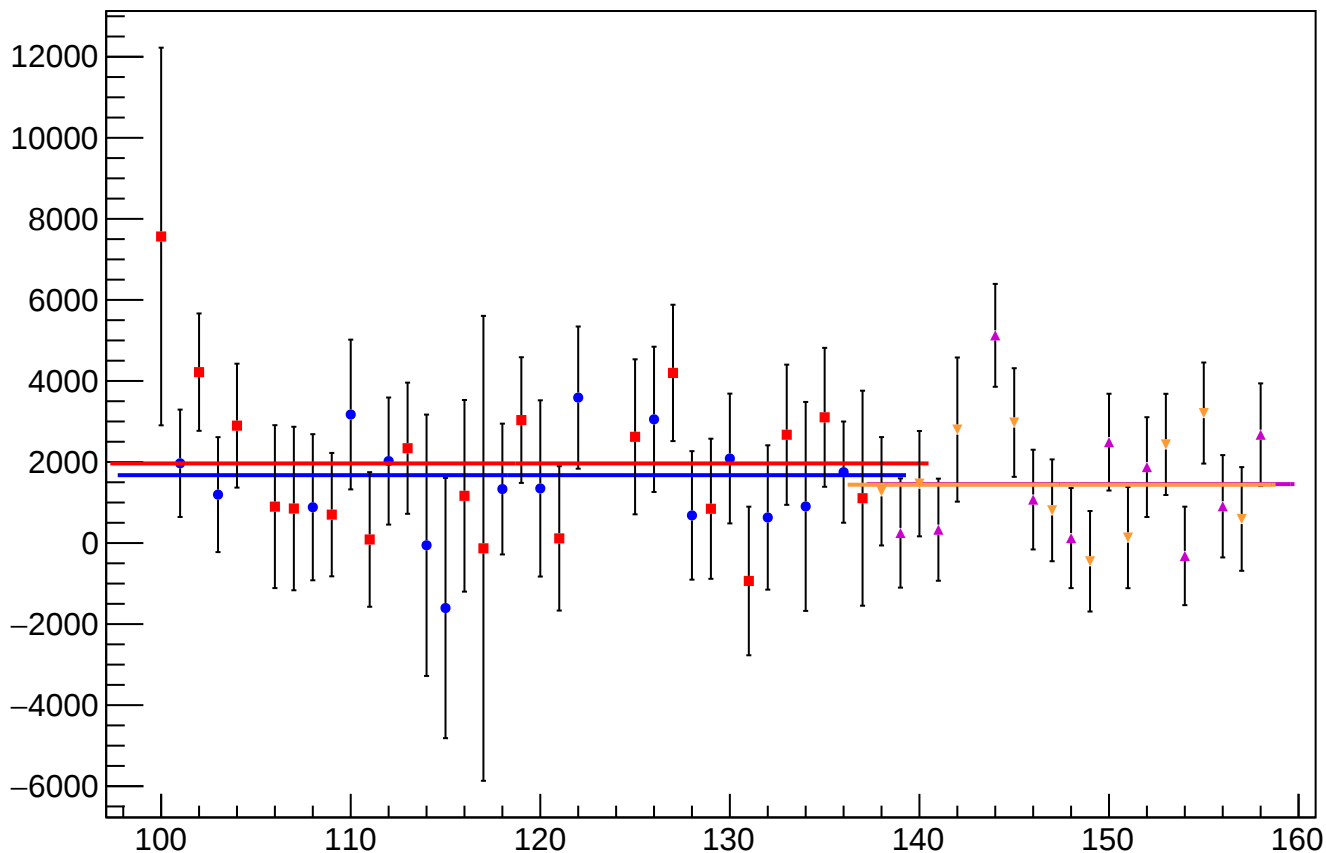
Left In: 85.605 $\pm$ 0.021 χ^2 /NDF: 312.6/9

80.582 $\pm$ 0.015 χ^2 /NDF: 504375.4/25

81.574 $\pm$ 0.011 χ^2 /NDF: 943868.7/54

82.536 $\pm$ 0.015 χ^2 /NDF: 431199.1/28

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1439.957 $\pm$ 413.649 χ^2 /NDF: 8.7/9

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

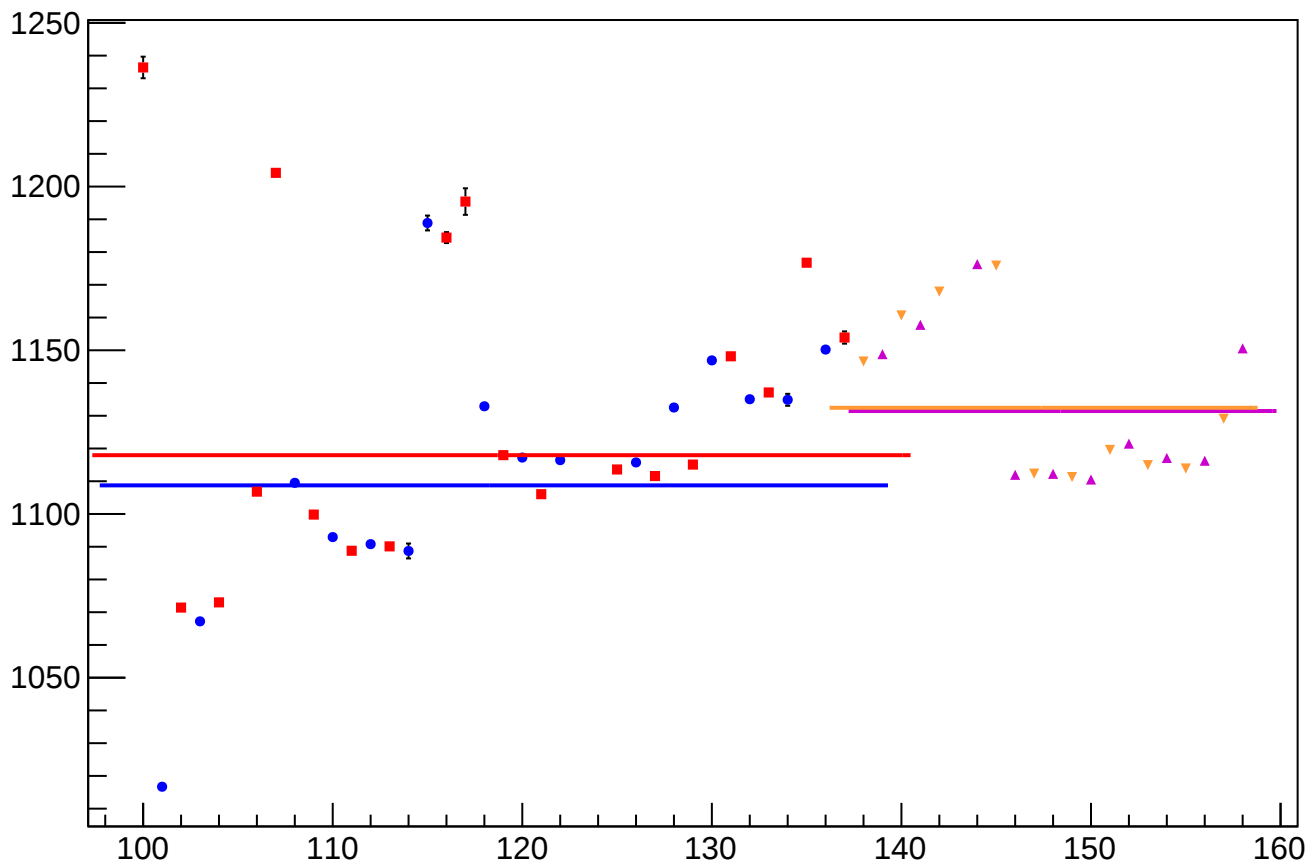
Left In: 1454.325 $\pm$ 395.116 χ^2 /NDF: 15.3/9

1552.759 $\pm$ 298.306 χ^2 /NDF: 14.0/25

1625.449 $\pm$ 207.265 χ^2 /NDF: 44.3/54

1693.293 $\pm$ 288.190 χ^2 /NDF: 30.3/28

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1132.444 $\pm$ 0.292 χ^2 /NDF: 6215.9/9

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

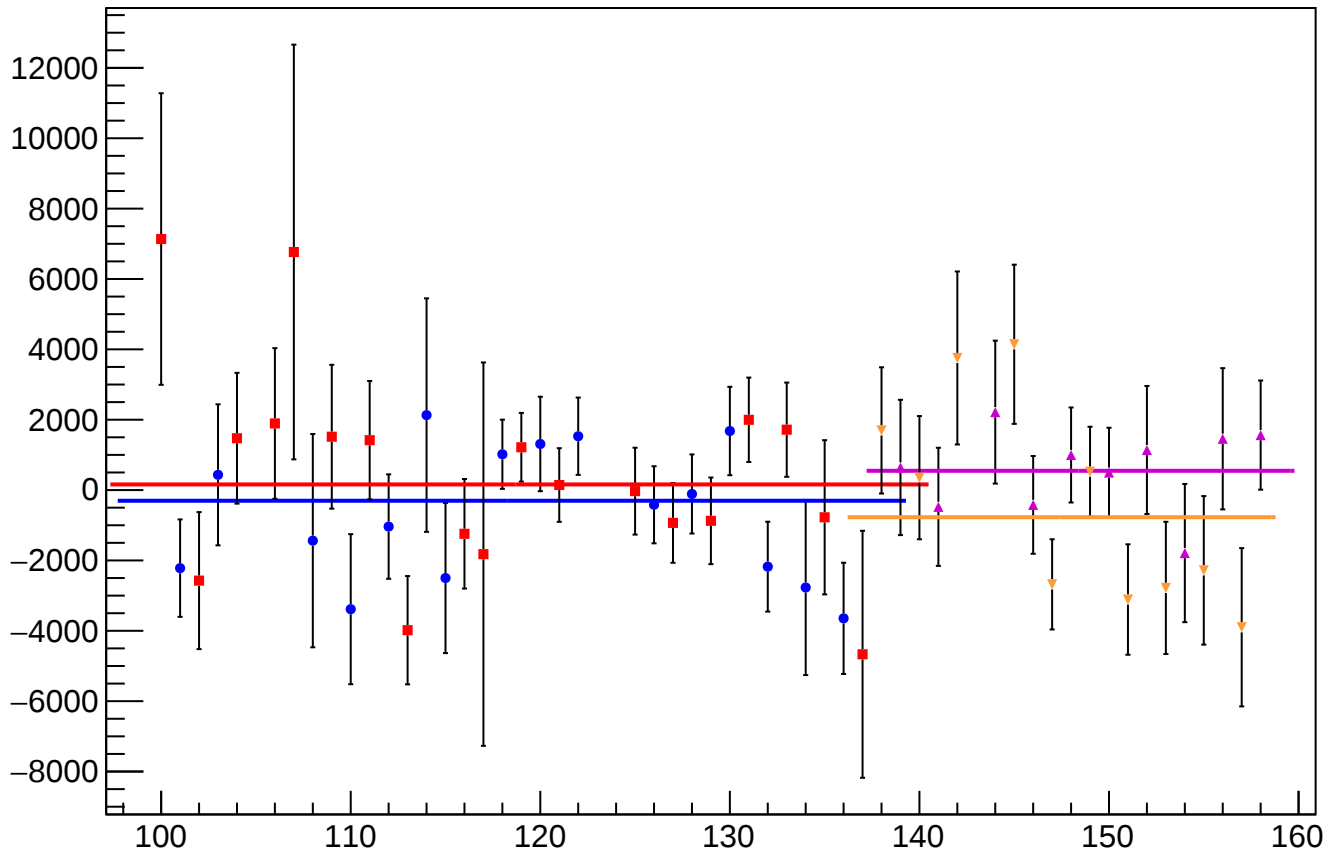
Left In: 1131.448 $\pm$ 0.279 χ^2 /NDF: 6457.9/9

1121.068 $\pm$ 0.211 χ^2 /NDF: 27449.0/25

1123.171 $\pm$ 0.147 χ^2 /NDF: 51071.8/54

1125.135 $\pm$ 0.204 χ^2 /NDF: 23430.5/28

asym_usl_correction_mean vs Slug, Sign Corrected



Right In: -303.335 $\pm$ 360.068 χ^2/NDF : 22.3/15

Left Out: -771.669 $\pm$ 548.039 χ^2/NDF : 19.5/9

Right Out: 160.376 $\pm$ 355.478 χ^2/NDF : 25.0/18

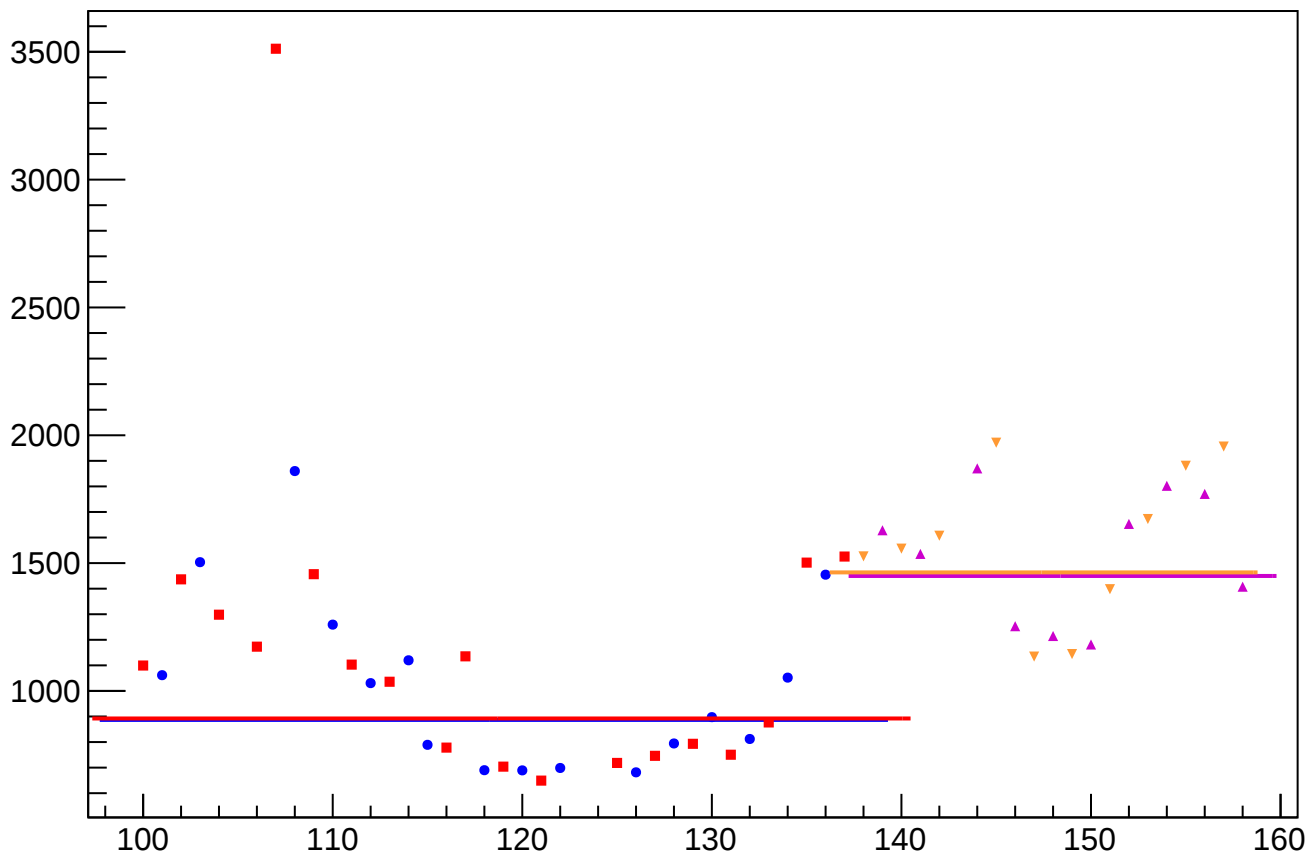
Left In: 548.191 $\pm$ 514.663 χ^2/NDF : 3.8/9

-444.544 $\pm$ 300.929 χ^2/NDF : 42.3/25

-69.075 $\pm$ 209.742 χ^2/NDF : 74.5/54

285.633 $\pm$ 292.491 χ^2/NDF : 29.2/28

asym_usl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1463.658+/-0.388 χ^2/NDF : 574437.7/9

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

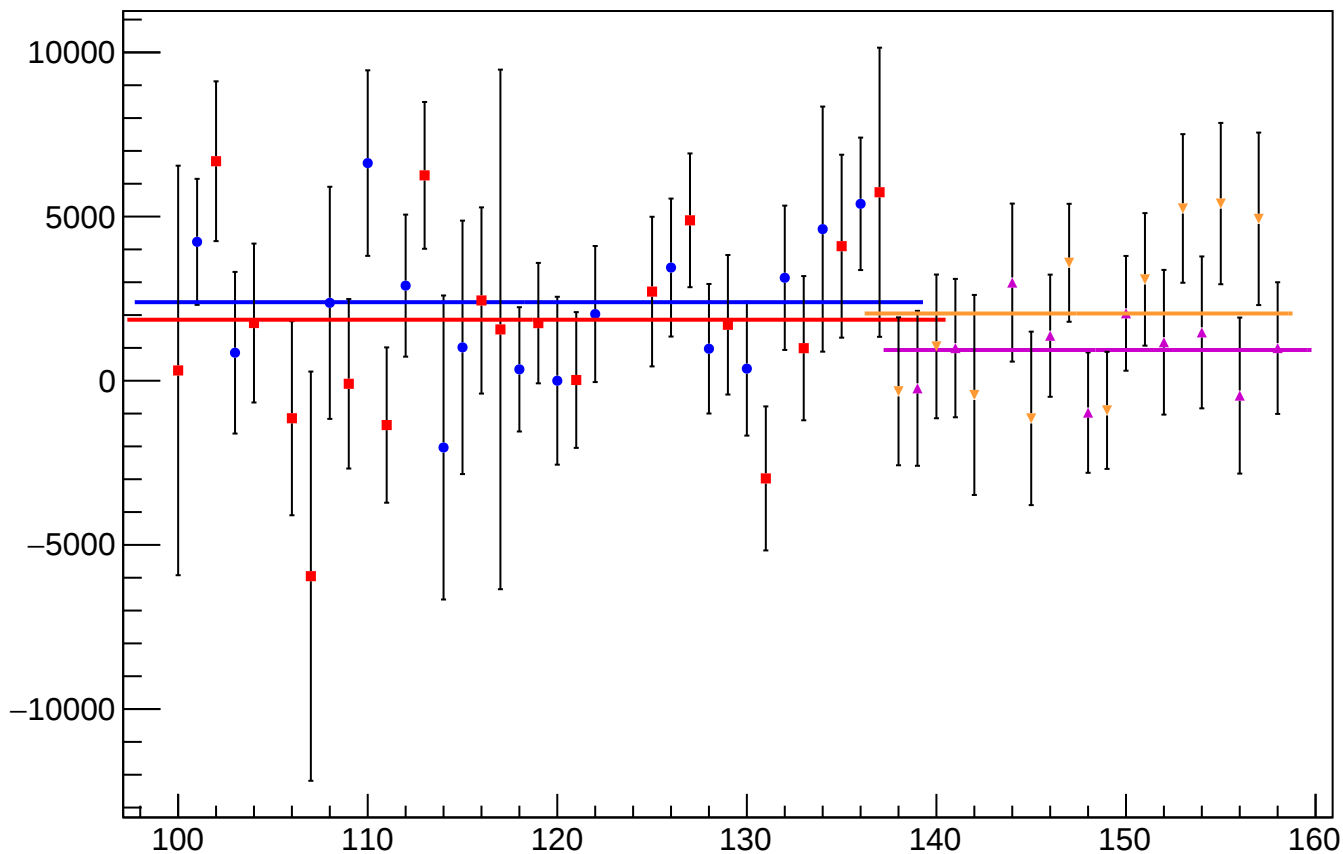
Left In: 1449.727+/-0.364 χ^2/NDF : 439650.1/9

1060.654+/-0.213 χ^2/NDF : 3183648.1/25

1066.640+/-0.148 χ^2/NDF : 6631786.6/54

1072.295+/-0.207 χ^2/NDF : 3446599.4/28

asym_usl_mean vs Slug, Sign Corrected



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

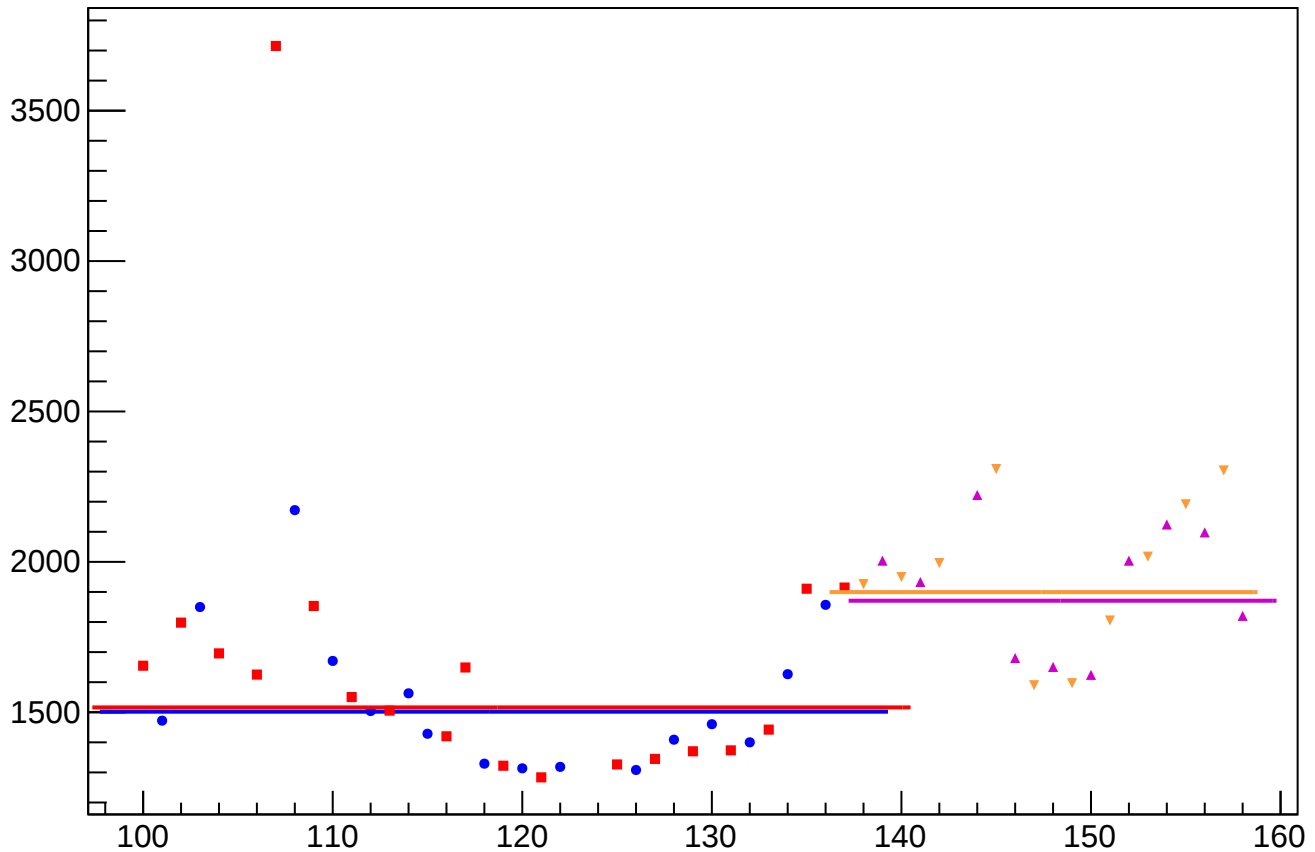
Left In: 935.774 $\pm$ 657.933 χ^2 /NDF:2.9/9

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

1838.068 $\pm$ 313.379 χ^2 /NDF: 51.7/54

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

asym_usl_rms vs Slug, Sign Corrected



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

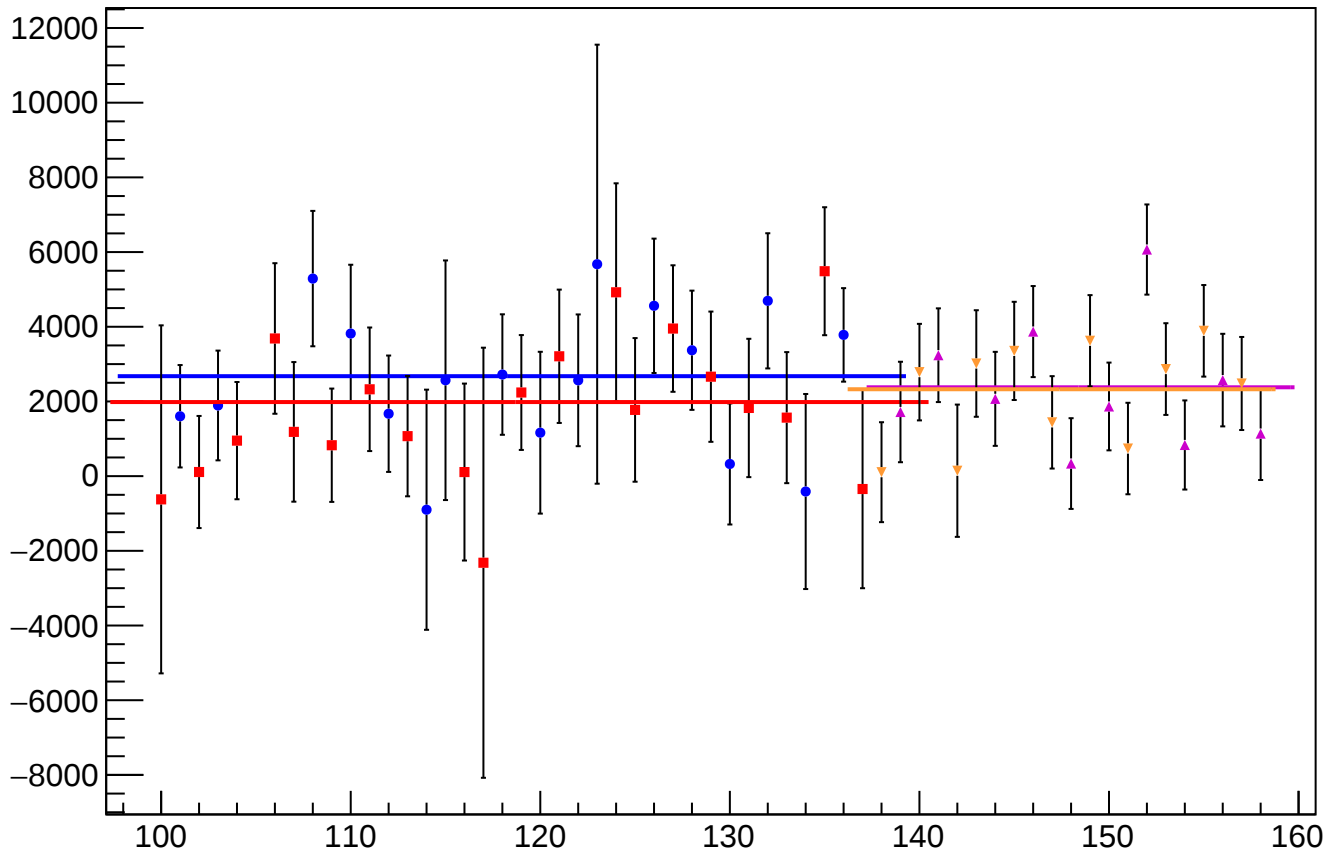
Left In: 1870.787+/-0.465 χ^2/NDF : 191276.9/9

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

1669.126+/-0.222 χ^2/NDF : 1883472.1/54

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

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2676.683+/-433.582 χ^2/NDF : 12.6/16

Left Out: 2326.806+/-391.986 χ^2/NDF : 10.4/10

Right Out: 1983.779+/-418.059 χ^2/NDF : 13.4/19

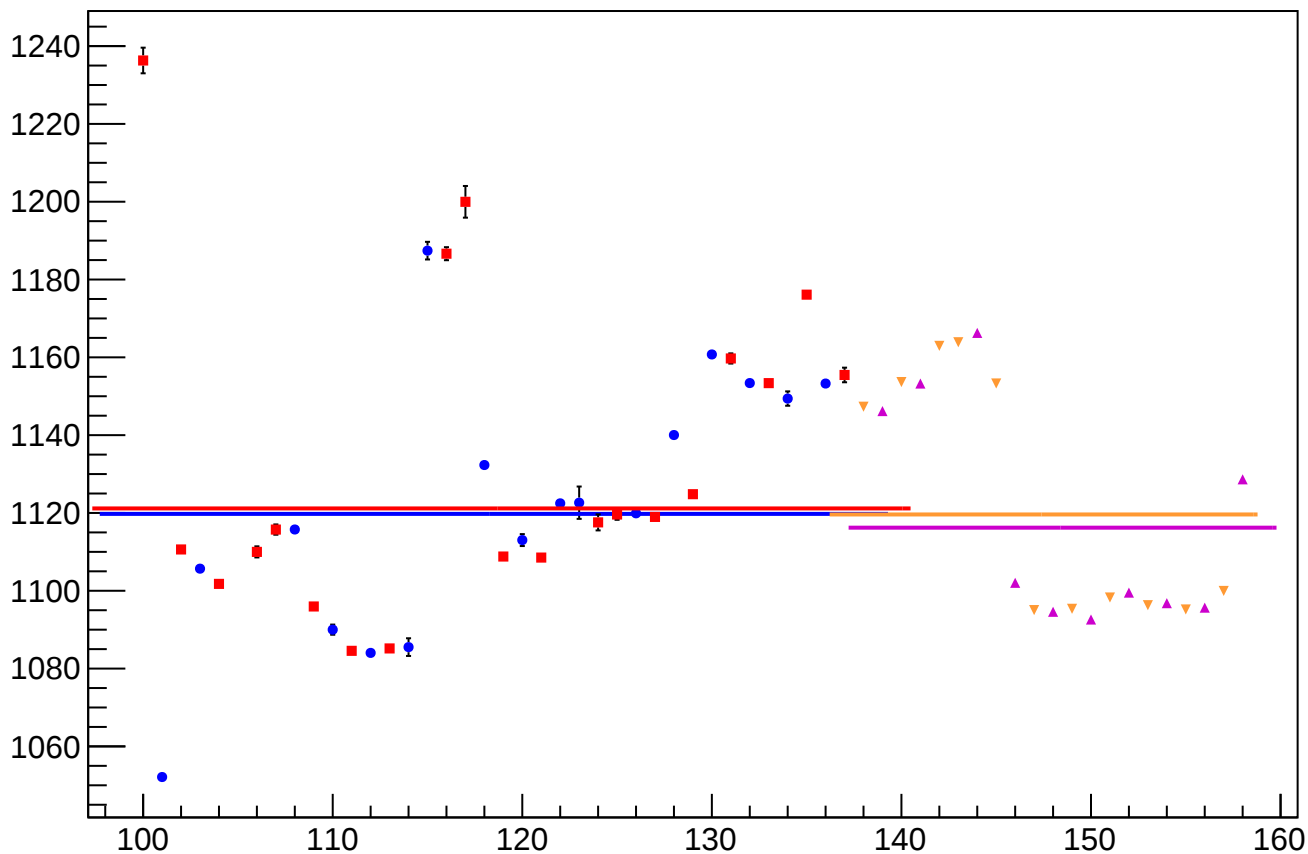
Left In: 2379.077+/-389.832 χ^2/NDF : 17.3/9

2484.161+/-290.773 χ^2/NDF : 23.3/27

2336.850+/-203.576 χ^2/NDF : 55.0/57

2195.222+/-285.110 χ^2/NDF : 31.2/29

reg_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1119.614 $\pm$ 0.277 χ^2 /NDF: 10875.0/10

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

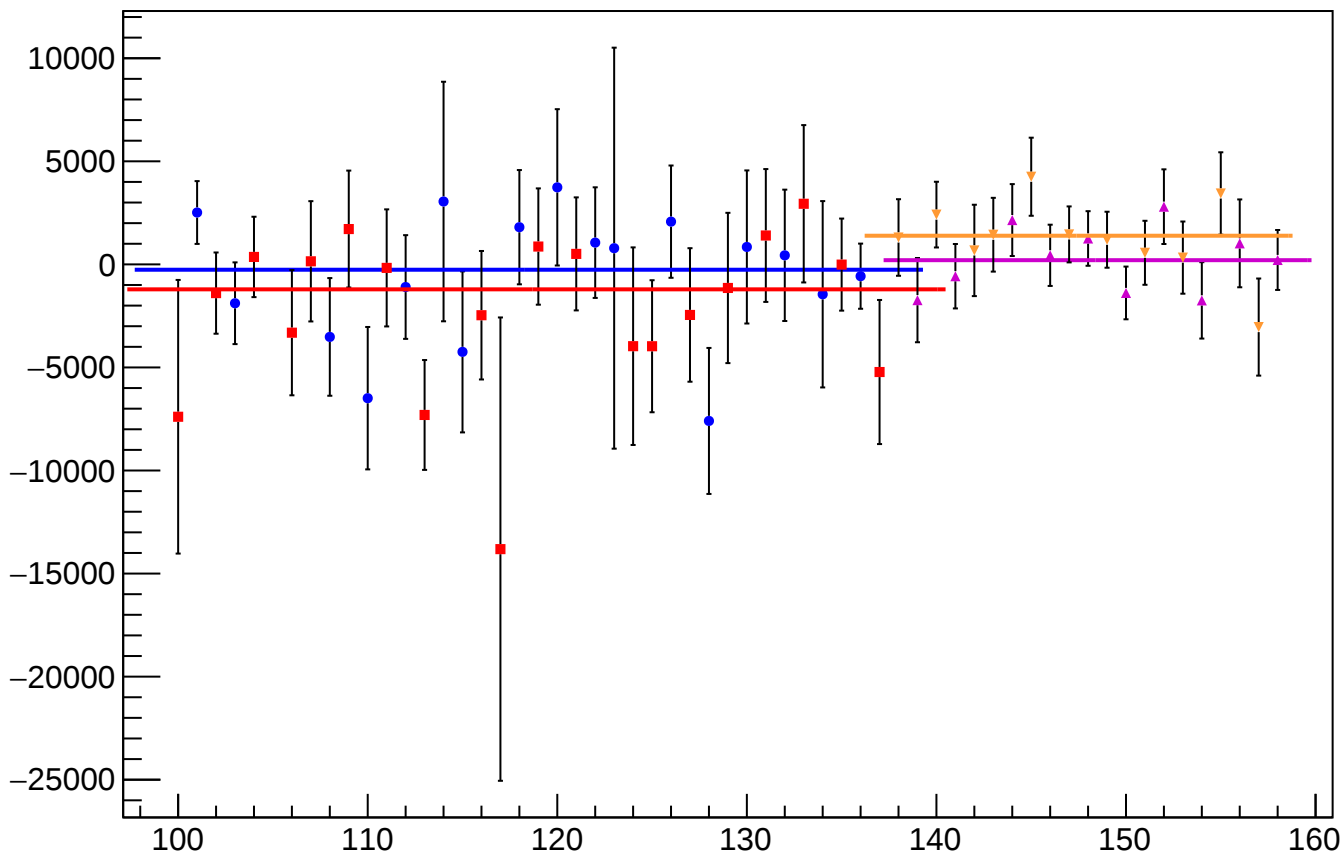
Left In: 1116.219 $\pm$ 0.276 χ^2 /NDF: 9272.1/9

1119.681 $\pm$ 0.206 χ^2 /NDF: 22752.0/27

1119.088 $\pm$ 0.144 χ^2 /NDF: 42500.8/57

1118.518 $\pm$ 0.202 χ^2 /NDF: 19732.6/29

asym_usr_correction_mean vs Slug, Sign Corrected



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

Left Out: 1390.017+/-517.460 χ^2/NDF : 8.1/10

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

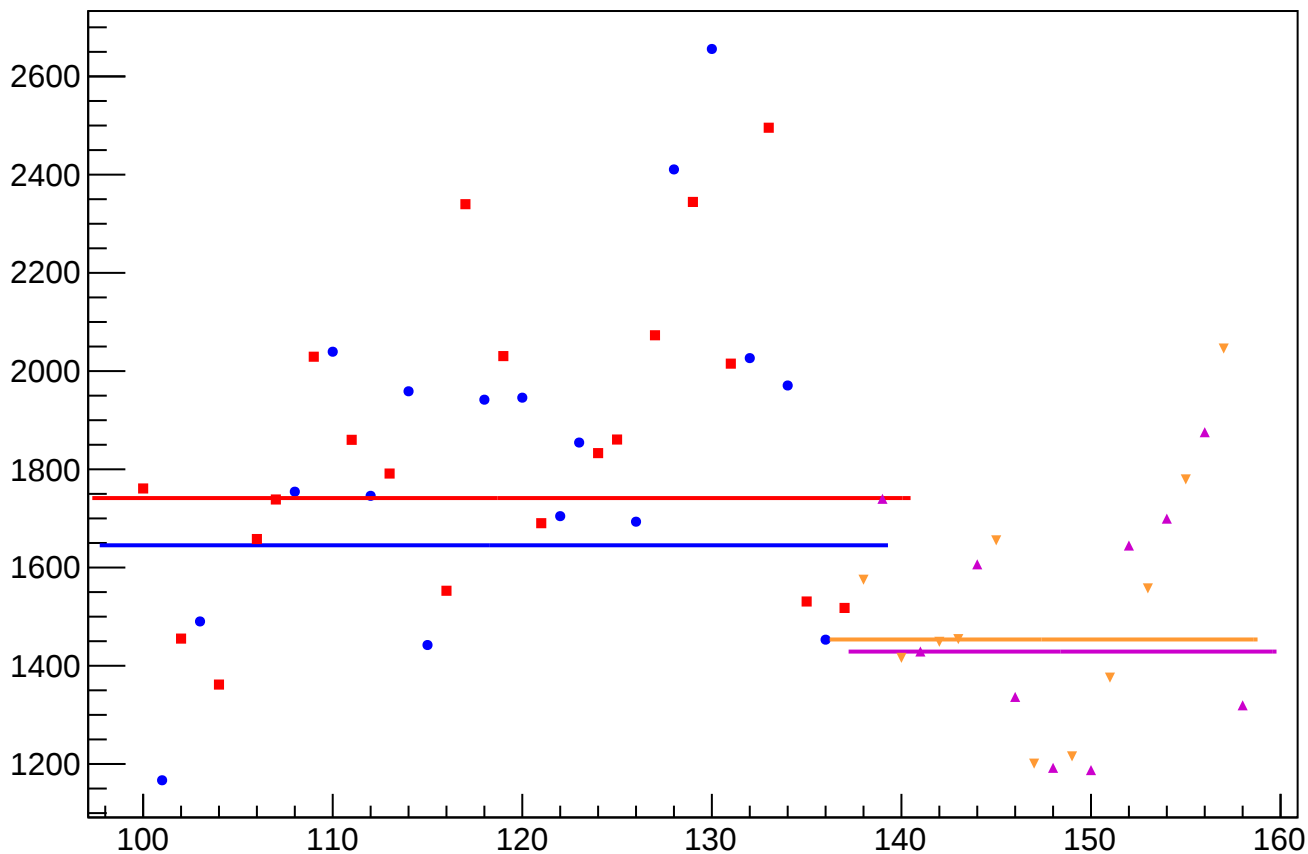
Left In: 203.677+/-506.253 χ^2/NDF : 7.9/9

756.340+/-406.104 χ^2/NDF : 29.2/27

213.074+/-285.690 χ^2/NDF : 59.2/57

-319.212+/-401.980 χ^2/NDF : 26.5/29

asym_usr_correction_rms vs Slug, Sign Corrected



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

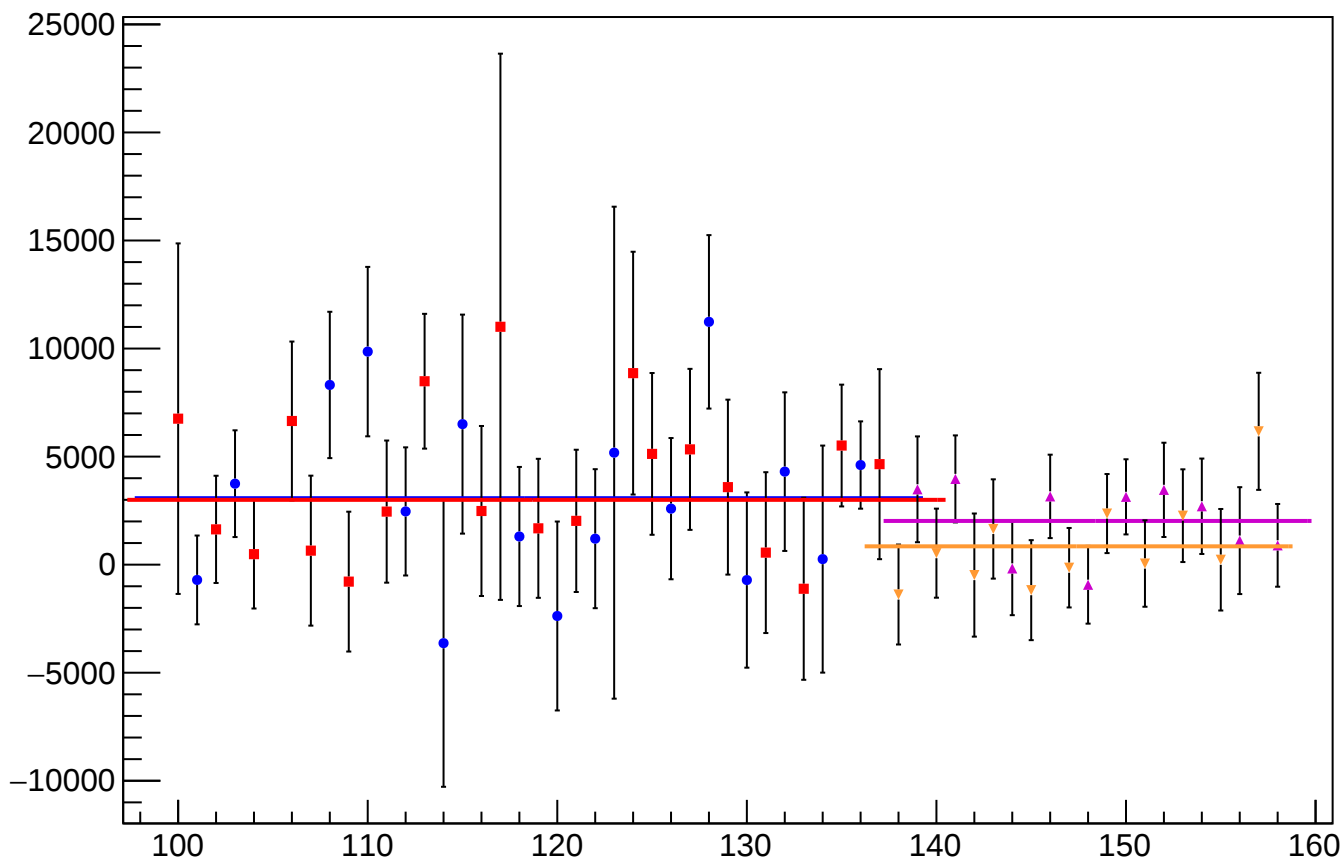
Left In: 1428.873 +/- 0.358 χ^2/NDF : 380259.1/9

1527.182 +/- 0.287 χ^2/NDF : 1061444.2/27

1535.869 +/- 0.202 χ^2/NDF : 2101973.3/57

1544.380 +/- 0.284 χ^2/NDF : 1038717.4/29

asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 848.195 $\pm$ 659.192 χ^2/NDF : 7.6/10

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

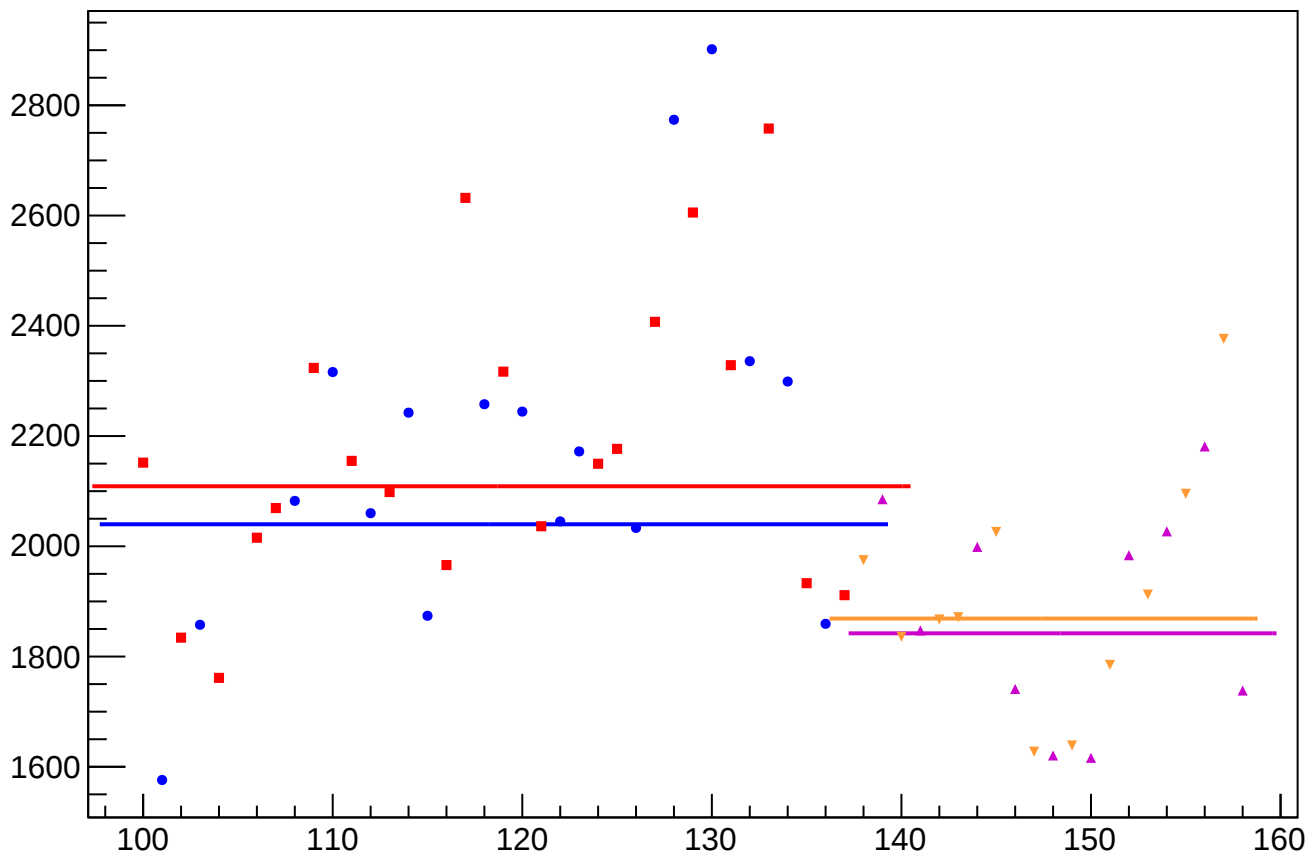
Left In: 2022.962 $\pm$ 647.240 χ^2/NDF : 6.8/9

1745.851 $\pm$ 509.312 χ^2/NDF : 30.8/27

2084.291 $\pm$ 357.414 χ^2/NDF : 51.6/57

2412.683 $\pm$ 501.694 χ^2/NDF : 20.0/29

asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1868.902 $\pm$ 0.466 χ^2 /NDF:173178.2/10

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

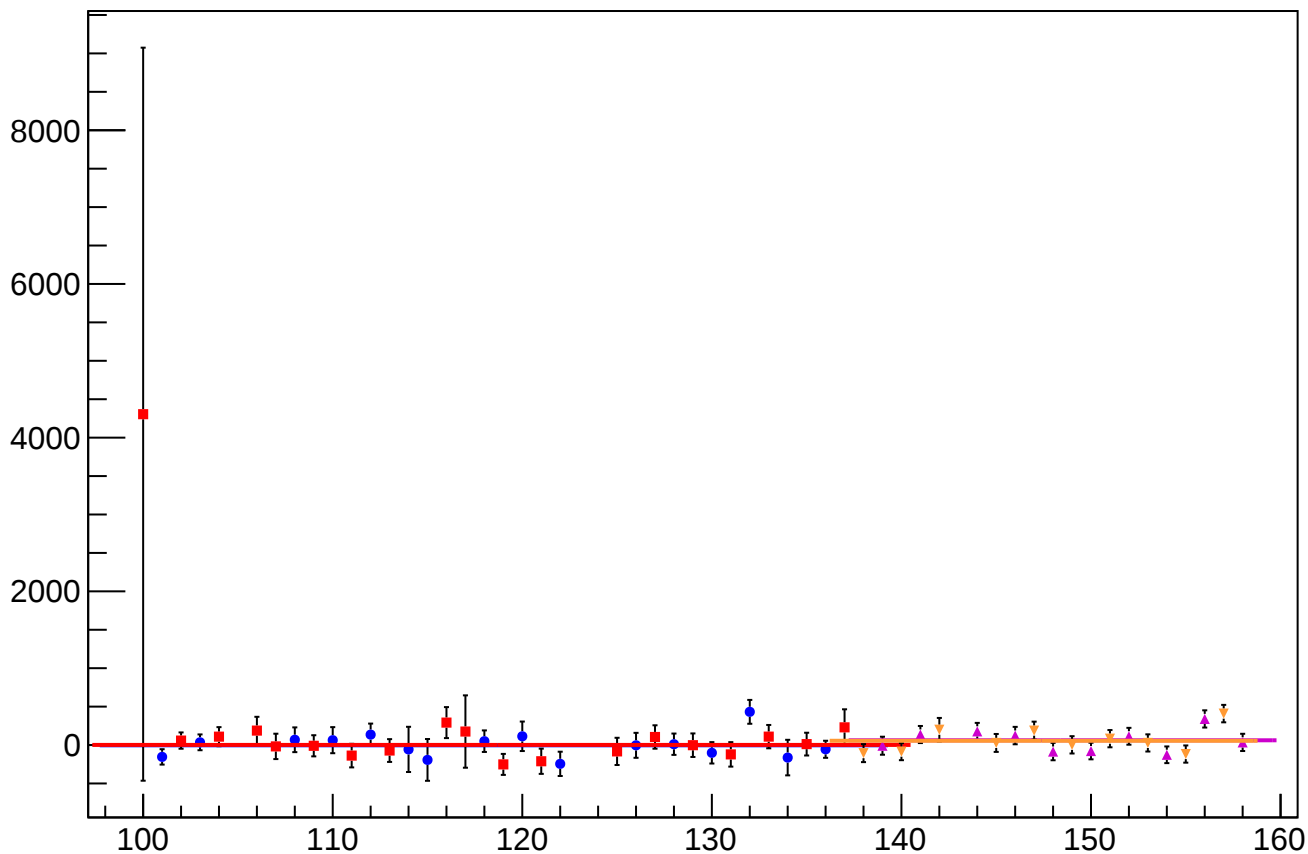
Left In: 1842.124 $\pm$ 0.458 χ^2 /NDF:165751.5/9

1937.838 $\pm$ 0.360 χ^2 /NDF: 559430.8/27

1943.309 $\pm$ 0.253 χ^2 /NDF: 1060162.8/57

1948.617 $\pm$ 0.355 χ^2 /NDF: 500277.4/29

reg_asym_dsl_mean vs Slug, Sign Corrected



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

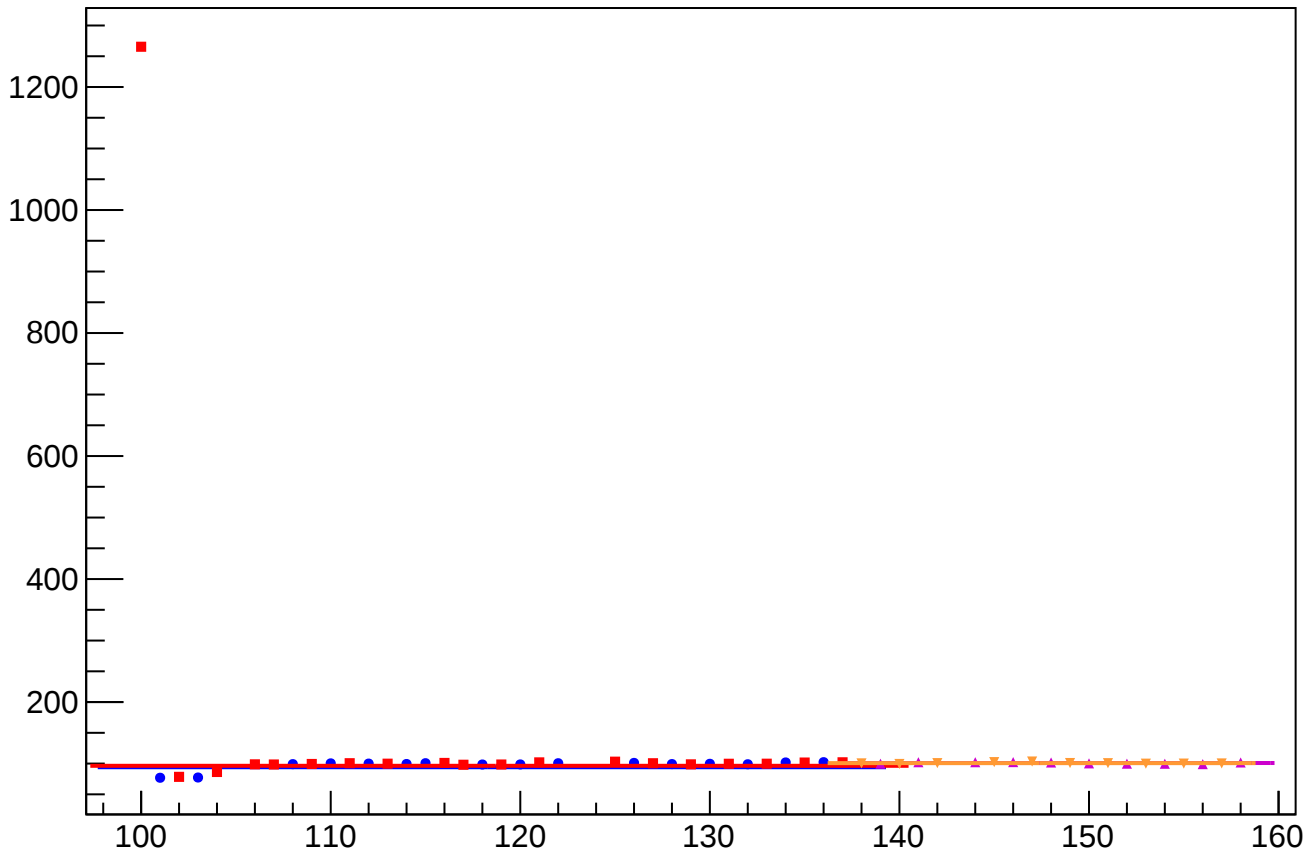
Left In: 61.772+/-35.239 χ^2/NDF : 15.0/9

26.055+/-25.988 χ^2/NDF : 35.6/25

29.501+/-18.158 χ^2/NDF : 66.2/54

32.788+/-25.381 χ^2/NDF : 30.5/28

reg_asym_dsl_rms vs Slug, Sign Corrected



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

Left Out: 100.739 $\pm$ 0.026 χ^2 /NDF: 1967.1/9

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

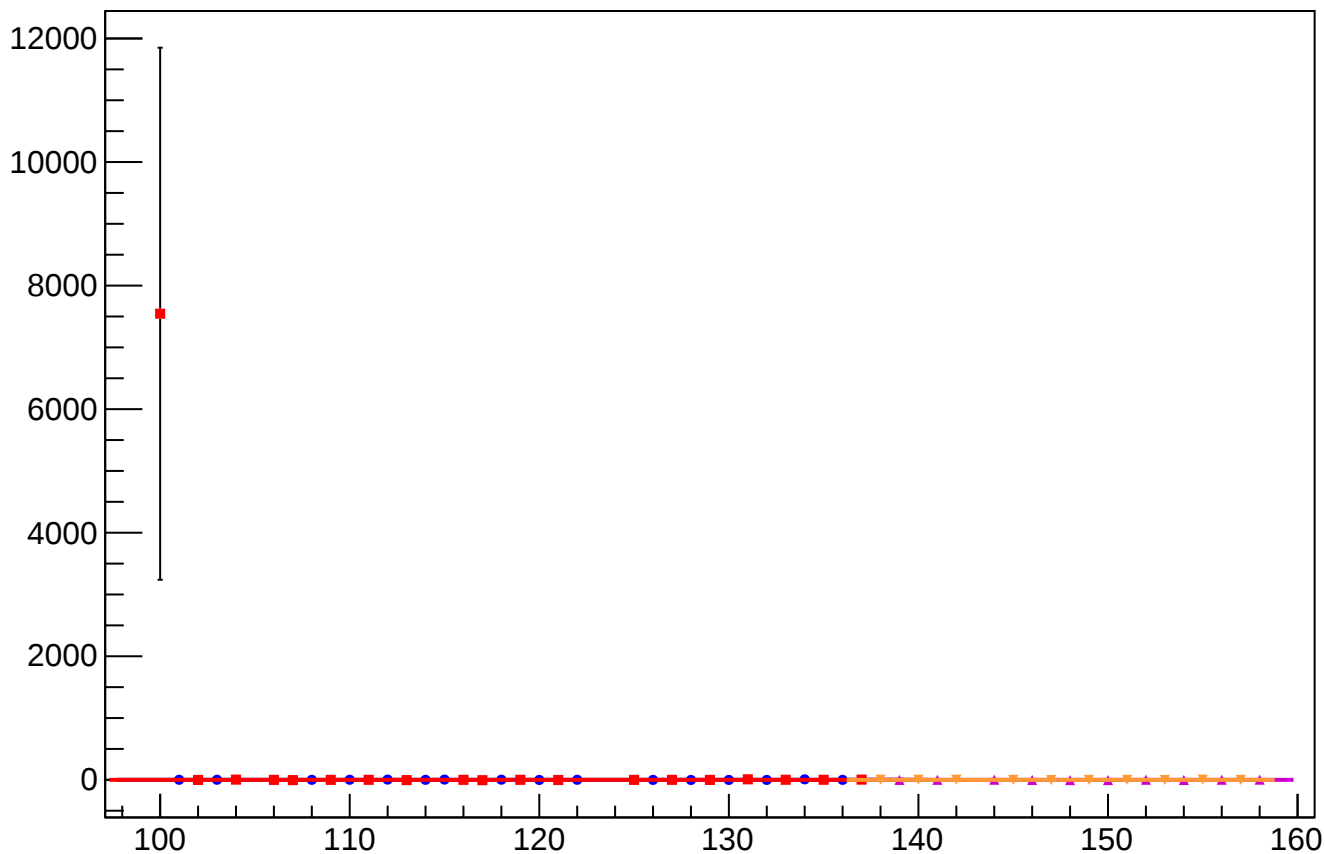
Left In: 100.922 $\pm$ 0.025 χ^2 /NDF: 2318.6/9

97.397 $\pm$ 0.018 χ^2 /NDF: 187194.7/25

98.083 $\pm$ 0.013 χ^2 /NDF: 417467.3/54

98.738 $\pm$ 0.018 χ^2 /NDF: 227546.8/28

asym_dsl_correction_mean vs Slug, Sign Corrected



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

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

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

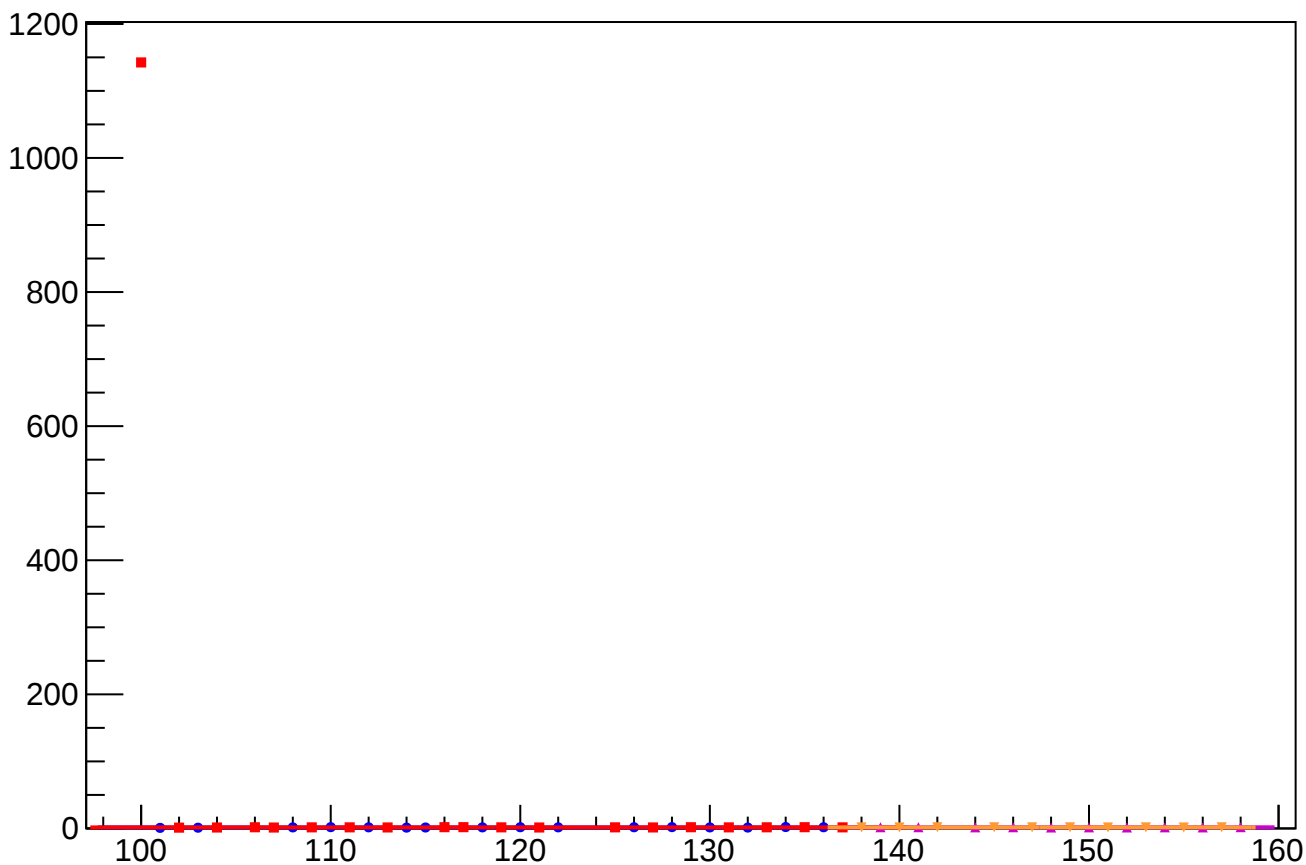
Left In: -0.255+/-0.639 χ^2/NDF : 13.4/9

-0.032+/-0.442 χ^2/NDF : 21.8/25

-0.161+/-0.316 χ^2/NDF : 58.5/54

-0.295+/-0.453 χ^2/NDF : 36.5/28

asym_dsl_correction_rms vs Slug, Sign Corrected



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

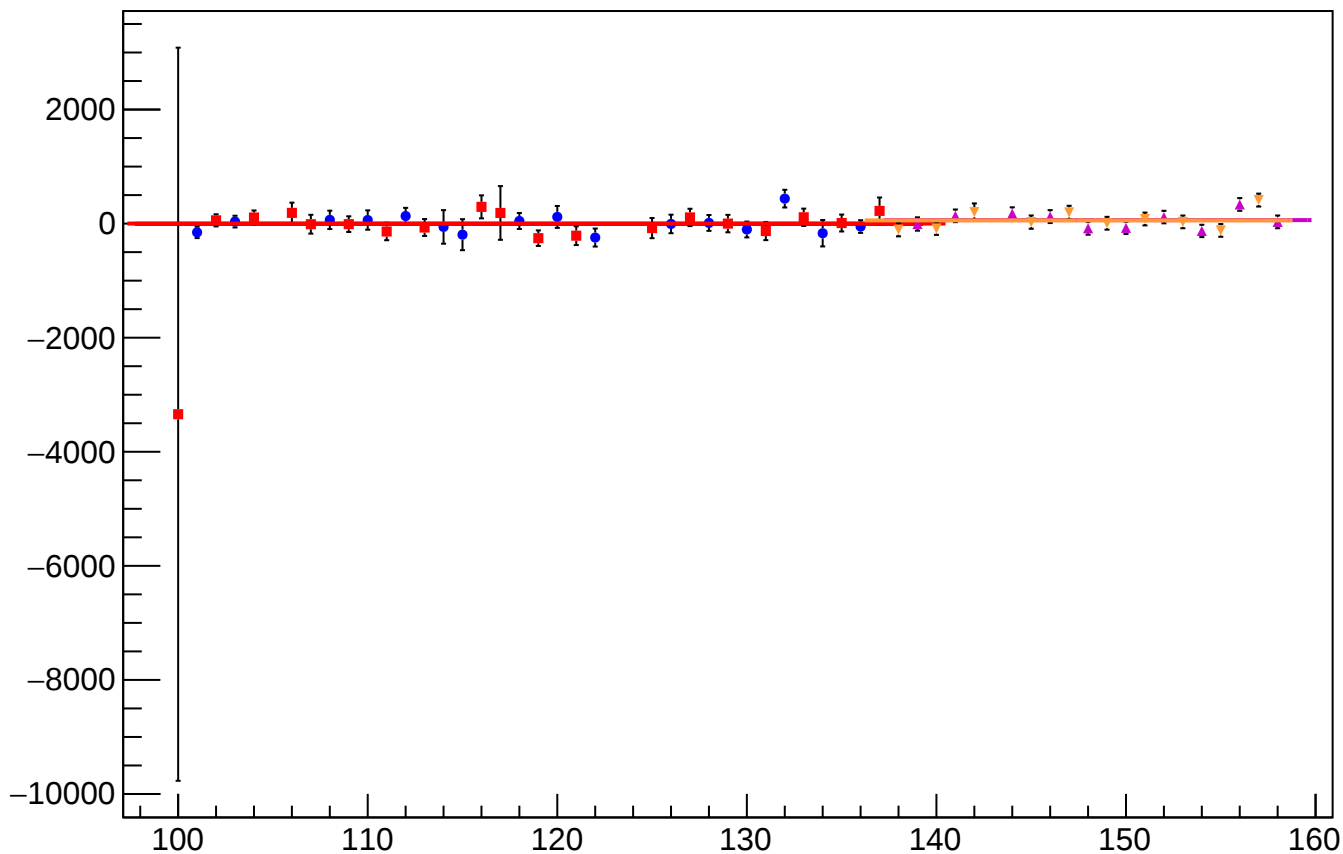
Left In: 1.701+/-0.000 χ^2/NDF : 97407.5/9

1.505+/-0.000 χ^2/NDF : 861520.3/25

1.566+/-0.000 χ^2/NDF : 1404938.0/54

1.629+/-0.000 χ^2/NDF : 466359.6/28

asym_dsl_mean vs Slug, Sign Corrected



Right In: -3.099 ± 36.723 $\chi^2/\text{NDF}: 16.3/15$

Left Out: 56.731 ± 36.800 $\chi^2/\text{NDF}: 18.6/9$

Right Out: 1.300 ± 36.598 $\chi^2/\text{NDF}: 13.7/18$

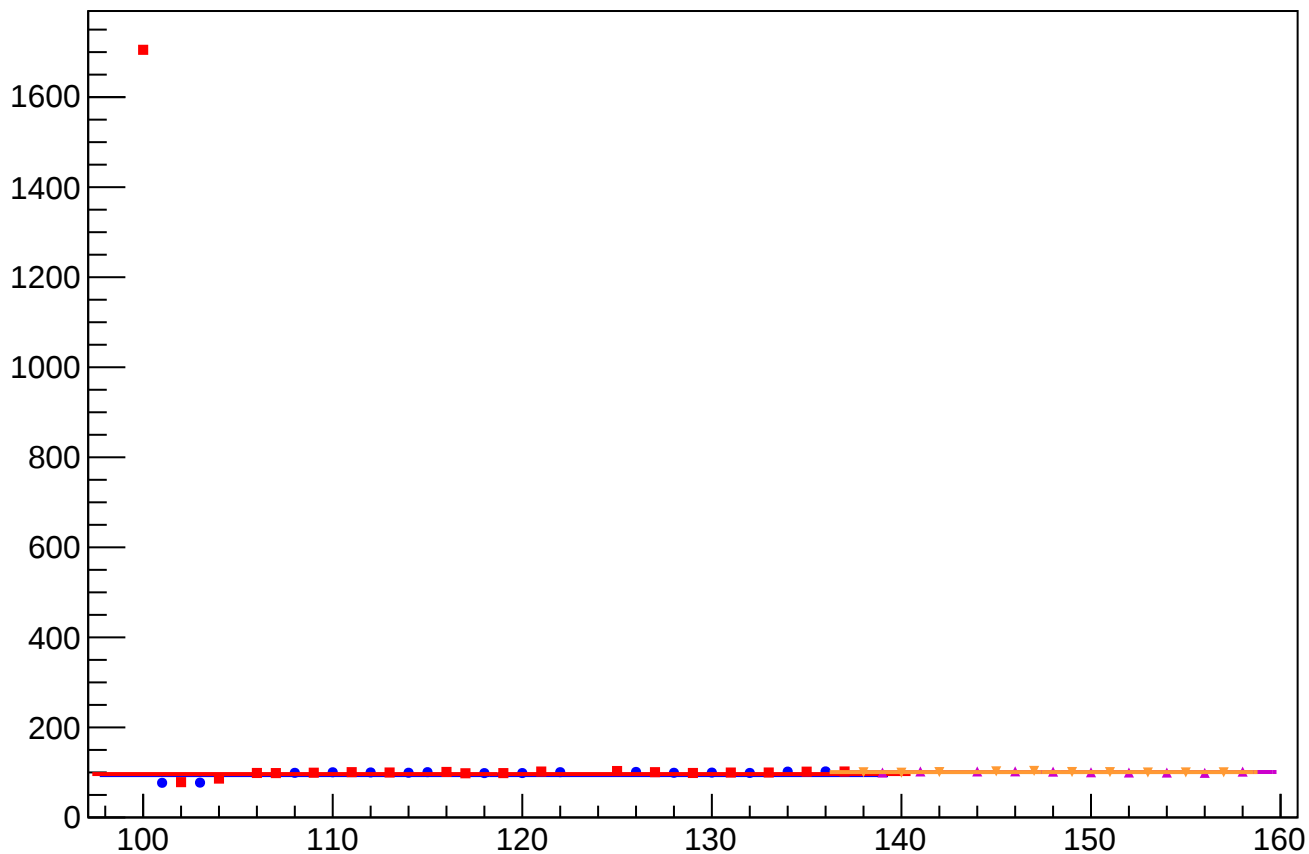
Left In: 61.647 ± 35.249 $\chi^2/\text{NDF}: 14.7/9$

26.754 ± 25.994 $\chi^2/\text{NDF}: 36.2/25$

29.749 ± 18.163 $\chi^2/\text{NDF}: 66.0/54$

32.606 ± 25.388 $\chi^2/\text{NDF}: 29.8/28$

asym_dsl_rms vs Slug, Sign Corrected



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

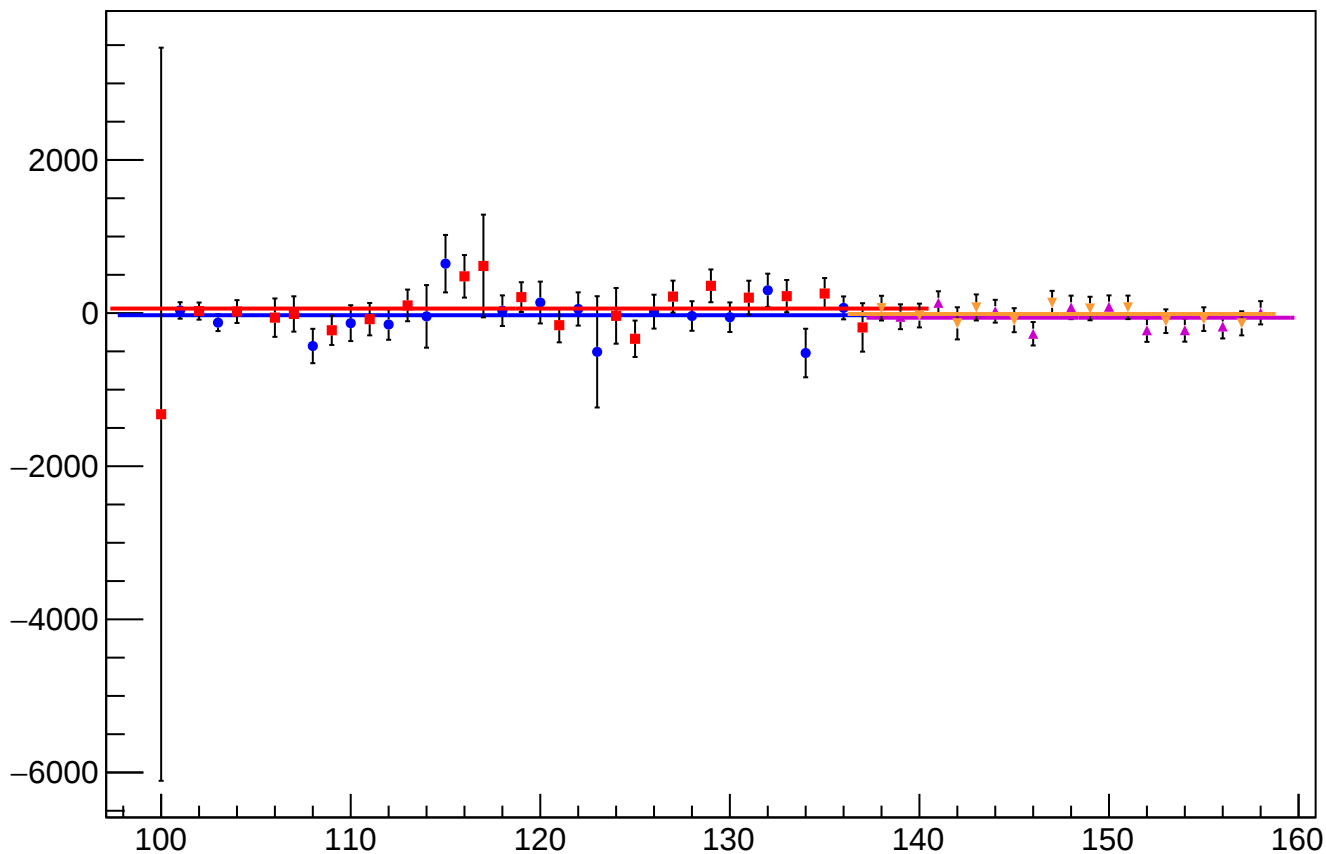
Left In: 100.950+/-0.025 χ^2/NDF : 2318.8/9

97.422+/-0.018 χ^2/NDF : 187215.1/25

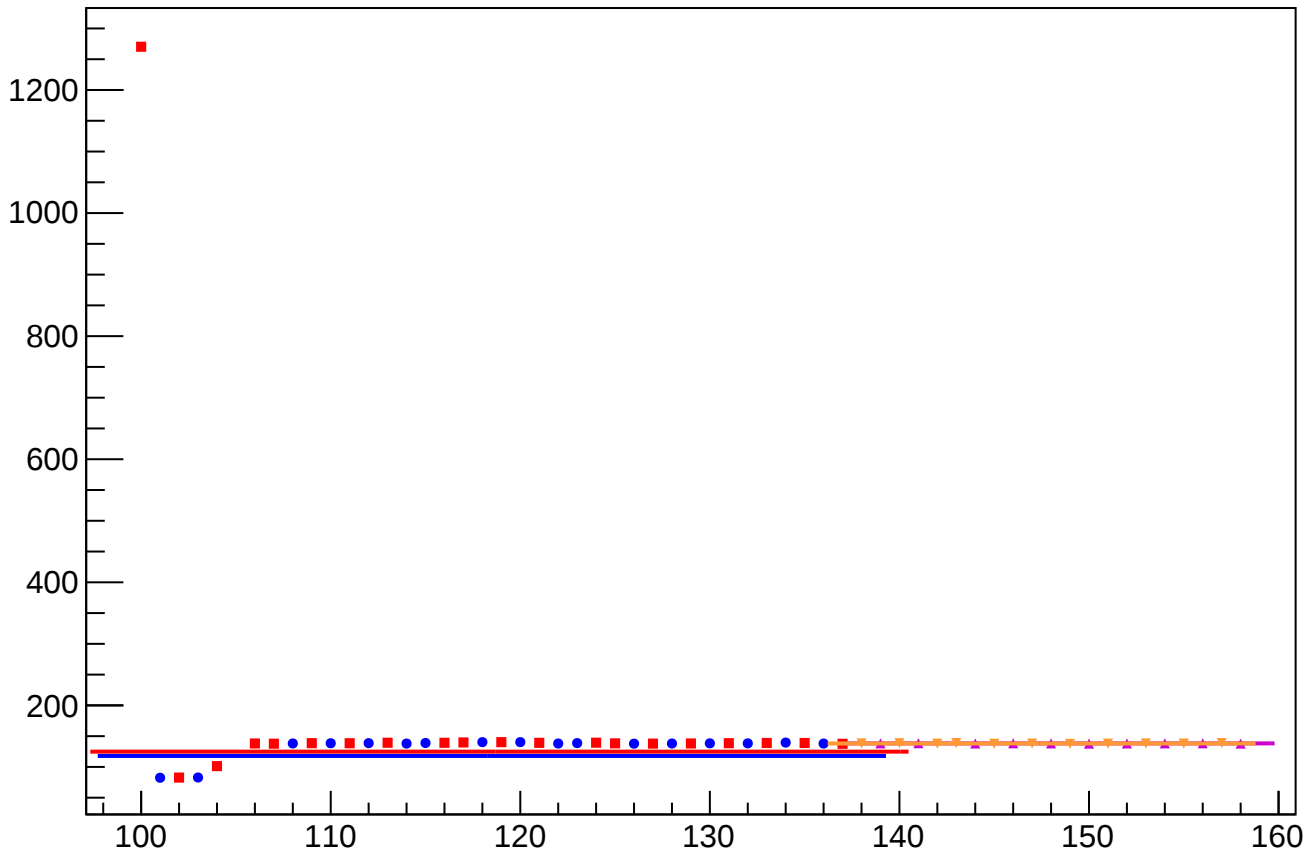
98.105+/-0.013 χ^2/NDF : 422714.8/54

98.756+/-0.018 χ^2/NDF : 232803.0/28

reg_asym_dsr_mean vs Slug, Sign Corrected



reg_asym_dsr_rms vs Slug, Sign Corrected



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

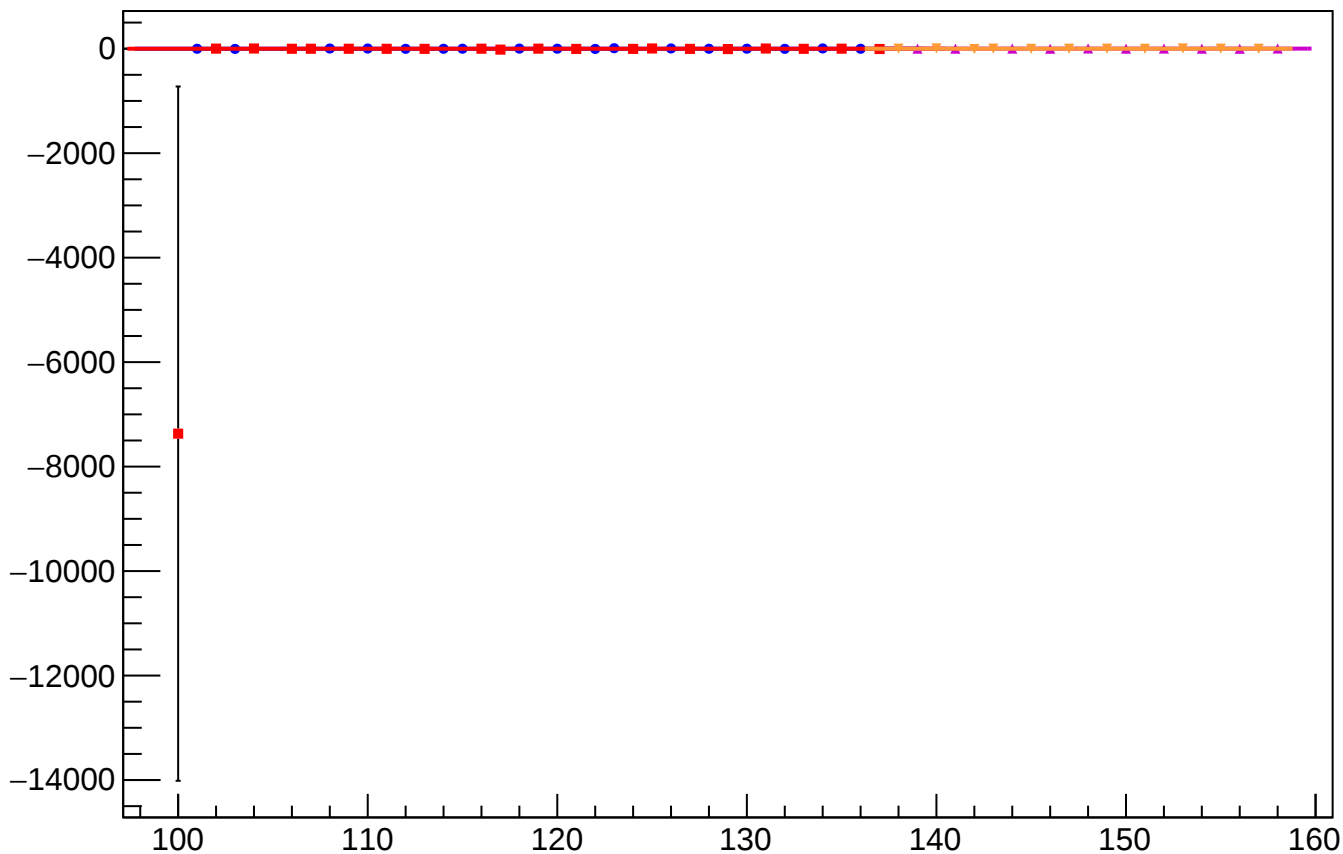
Left In: 138.223+/-0.034 χ^2/NDF :41.5/9

127.625+/-0.024 χ^2/NDF : 848604.8/27

129.516+/-0.017 χ^2/NDF : 1510161.7/57

131.437+/-0.024 χ^2/NDF : 648800.5/29

asym_dsr_correction_mean vs Slug, Sign Corrected



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

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

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

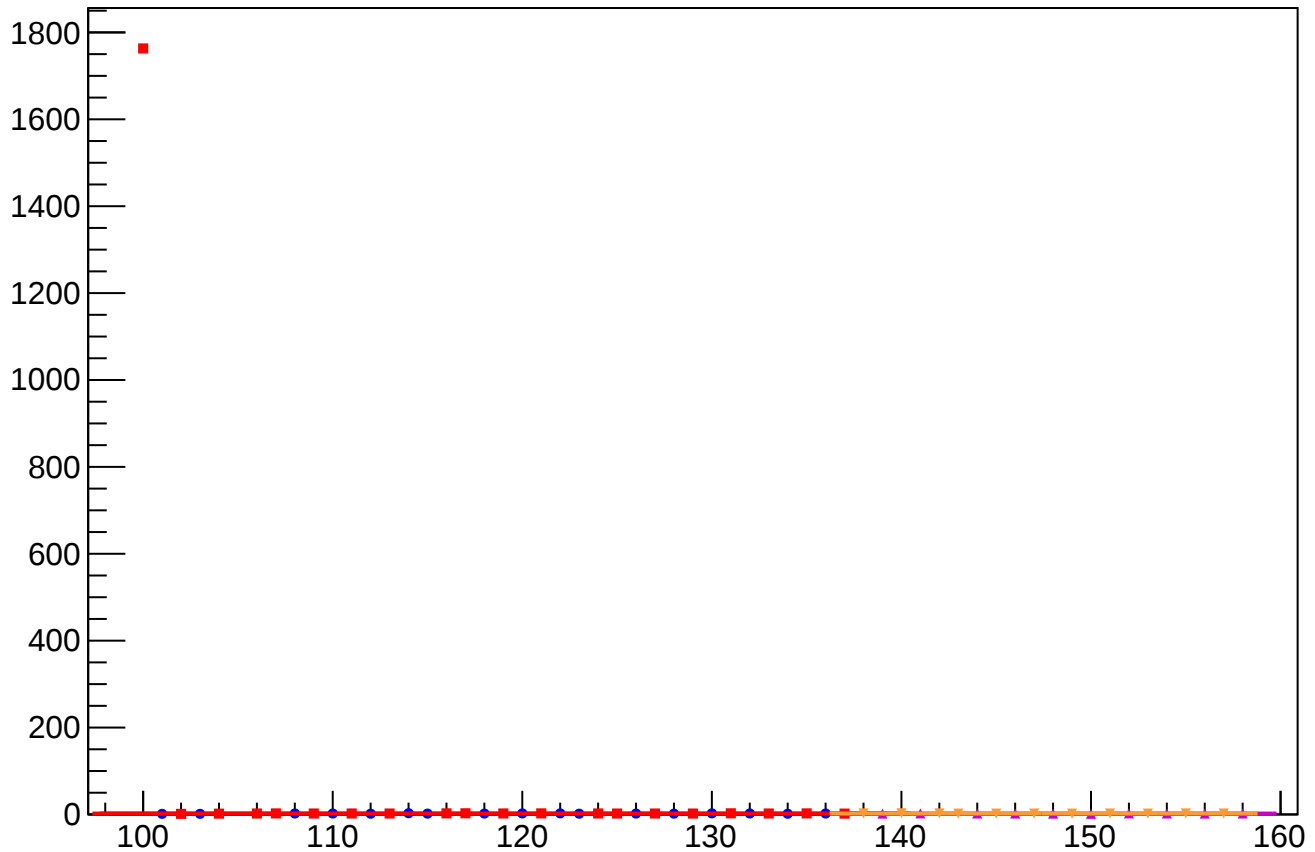
Left In: 1.390 ± 0.816 χ^2/NDF : 4.1/9

-0.191 ± 0.575 χ^2/NDF : 25.7/27

0.086 ± 0.411 χ^2/NDF : 48.9/57

0.377 ± 0.589 χ^2/NDF : 22.6/29

asym_dsr_correction_rms vs Slug, Sign Corrected



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

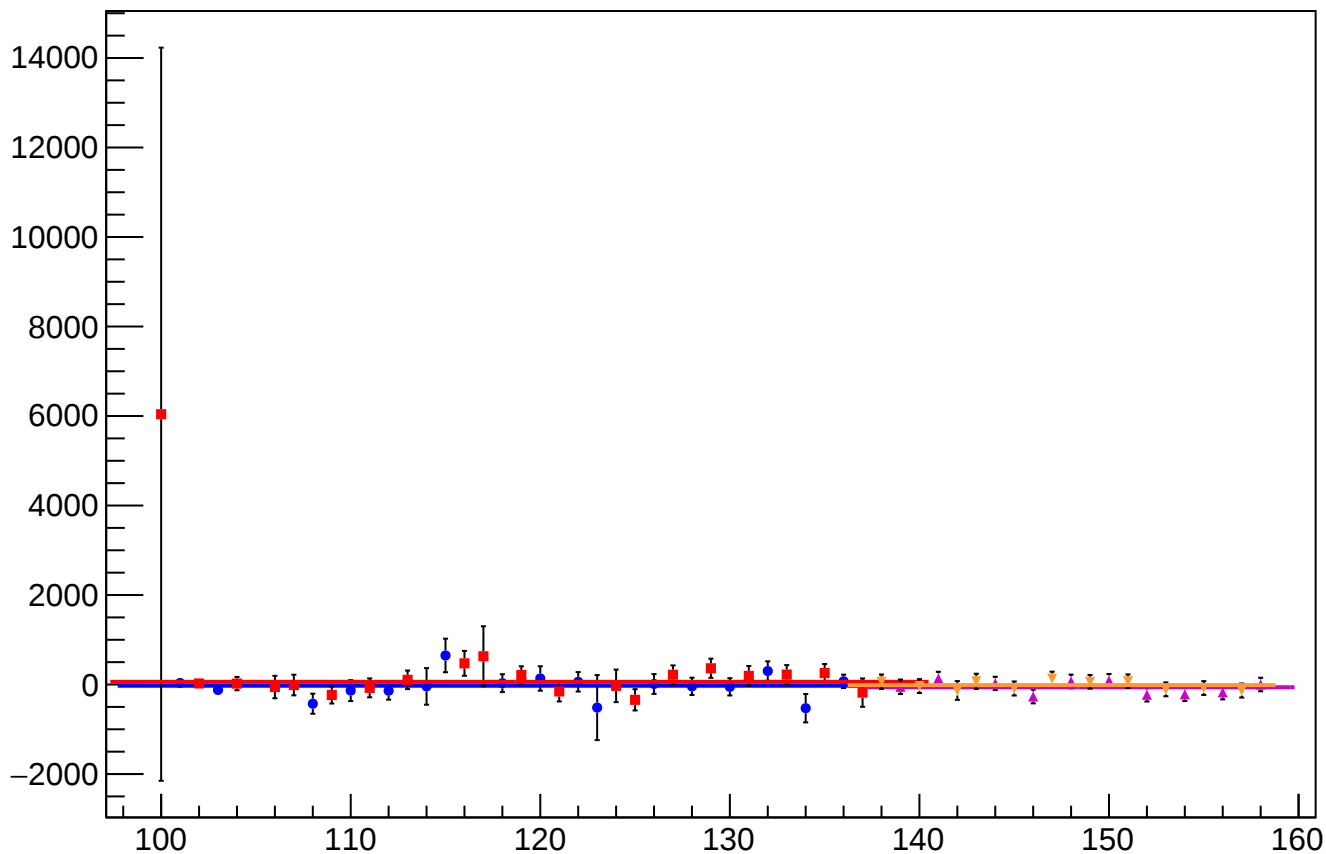
Left In: 2.097 $\pm$ 0.001 χ^2 /NDF: 268544.0/9

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

2.039 $\pm$ 0.000 χ^2 /NDF: 1570031.9/57

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

asym_dsr_mean vs Slug, Sign Corrected



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

Left Out: -12.156 ± 48.345 χ^2/NDF : 3.6/10

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

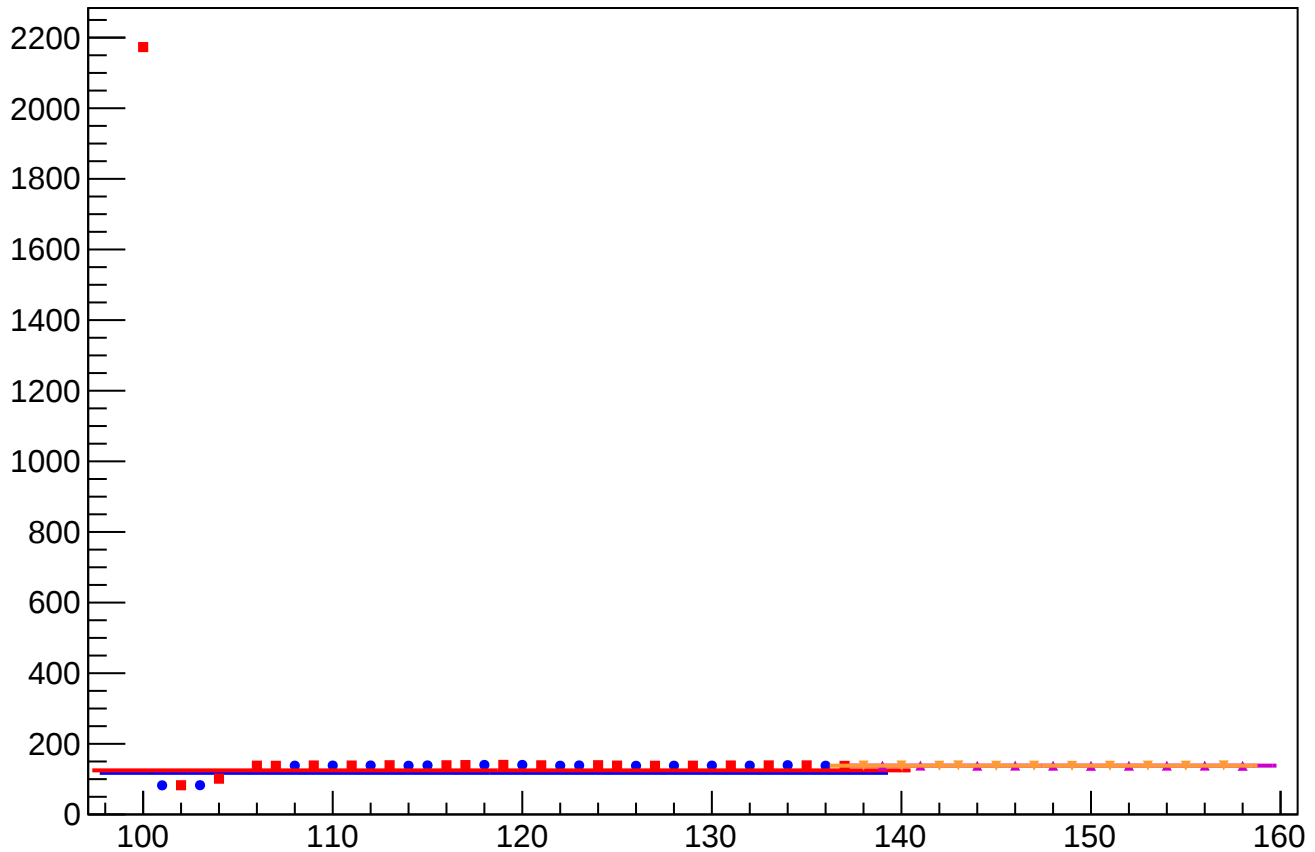
Left In: -60.742 ± 48.275 χ^2/NDF : 8.5/9

-19.438 ± 33.622 χ^2/NDF : 18.0/27

-9.521 ± 23.870 χ^2/NDF : 46.1/57

0.557 ± 33.895 χ^2/NDF : 28.0/29

asym_dsr_rms vs Slug, Sign Corrected



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

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

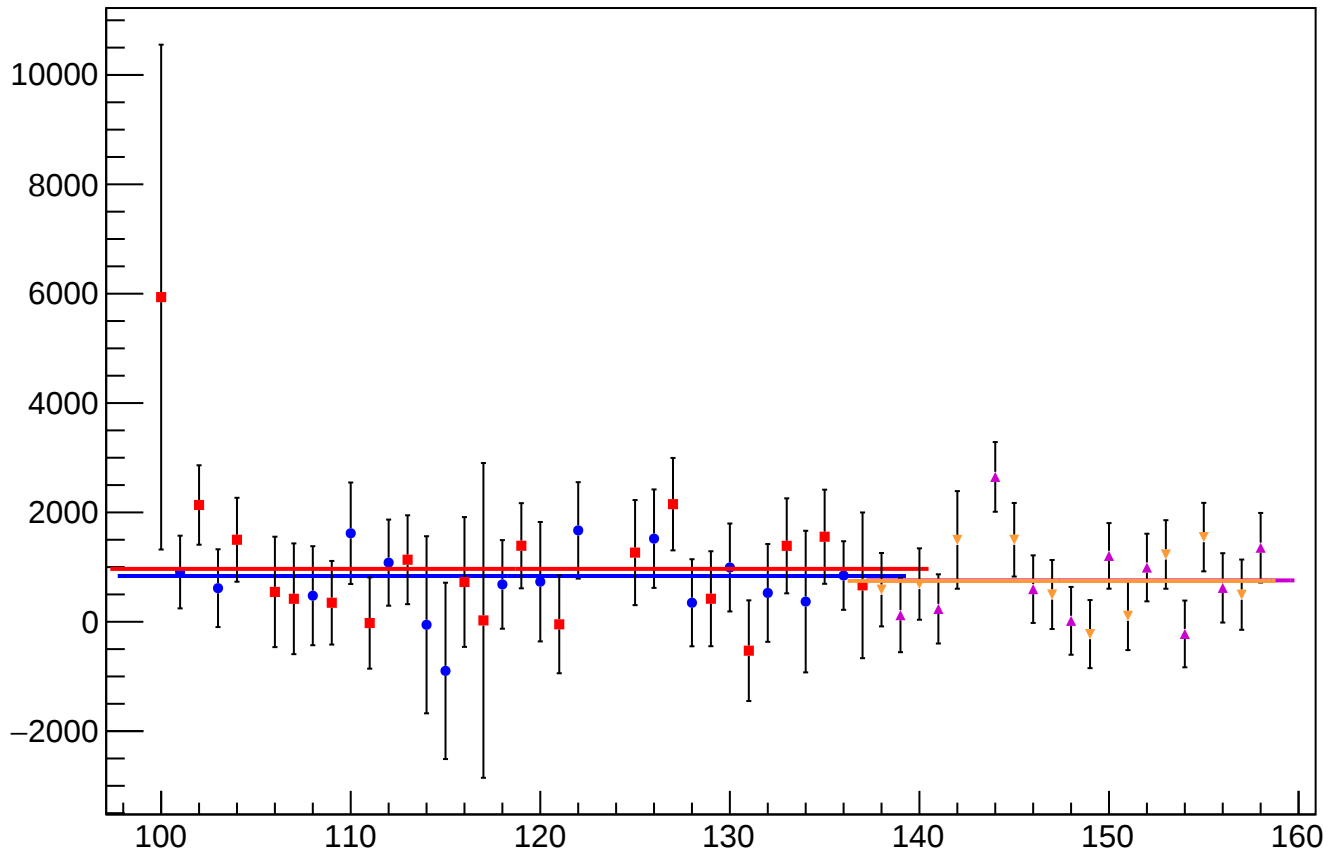
Left In: 138.260 $\pm$ 0.034 χ^2 /NDF:41.4/9

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

129.539 $\pm$ 0.017 χ^2 /NDF: 1521124.0/57

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

reg_asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 748.088 $\pm$ 207.726 χ^2 /NDF: 8.0/9

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

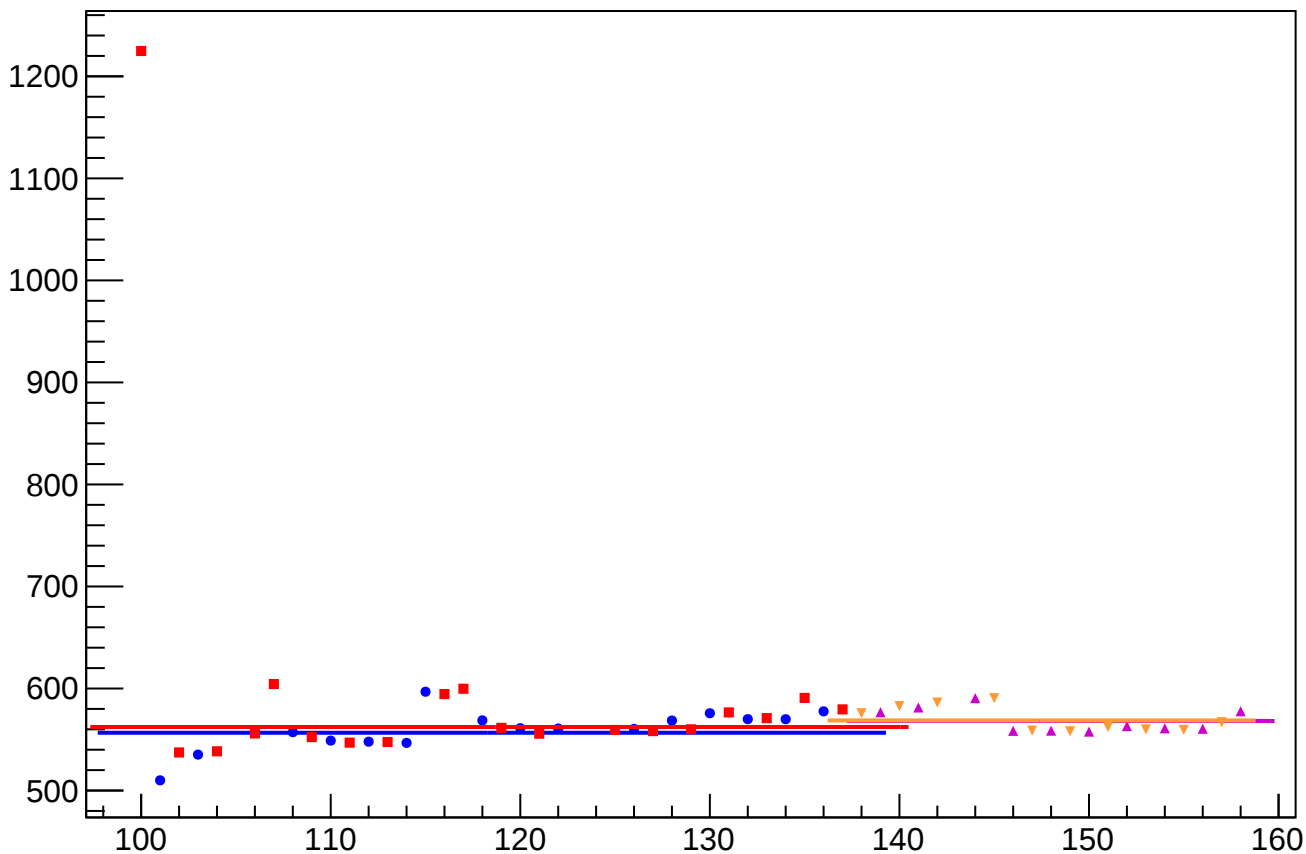
Left In: 756.562 $\pm$ 198.418 χ^2 /NDF: 16.1/9

790.794 $\pm$ 149.785 χ^2 /NDF: 12.8/25

823.890 $\pm$ 104.151 χ^2 /NDF: 43.9/54

854.871 $\pm$ 144.920 χ^2 /NDF: 31.0/28

reg_asym_left_avg_rms vs Slug, Sign Corrected



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

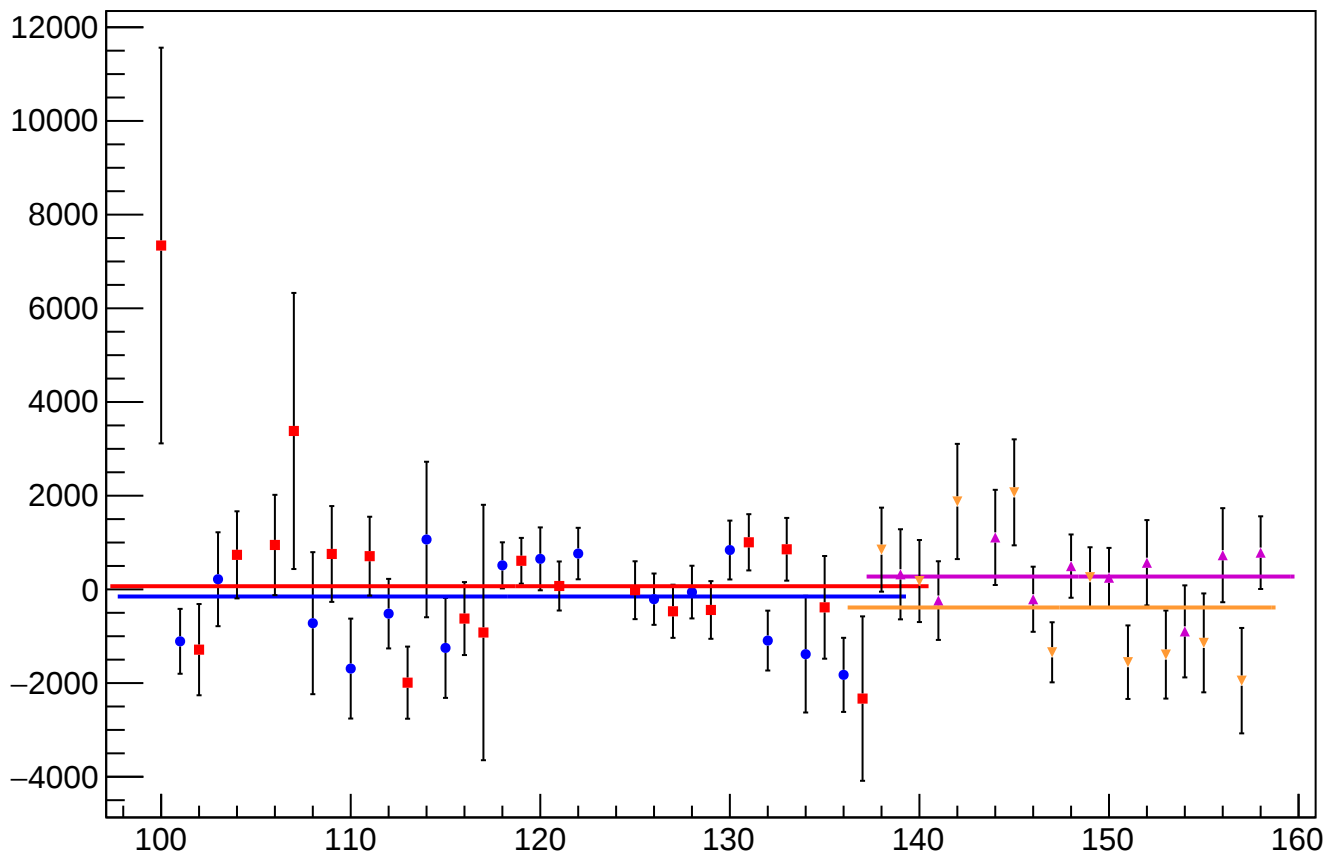
Left In: 568.189 ± 0.140 χ^2/NDF : 6372.1/9

562.906 ± 0.106 χ^2/NDF : 27781.8/25

564.204 ± 0.074 χ^2/NDF : 91196.6/54

565.419 ± 0.102 χ^2/NDF : 63123.9/28

asym_left_avg_correction_mean vs Slug, Sign Corrected



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

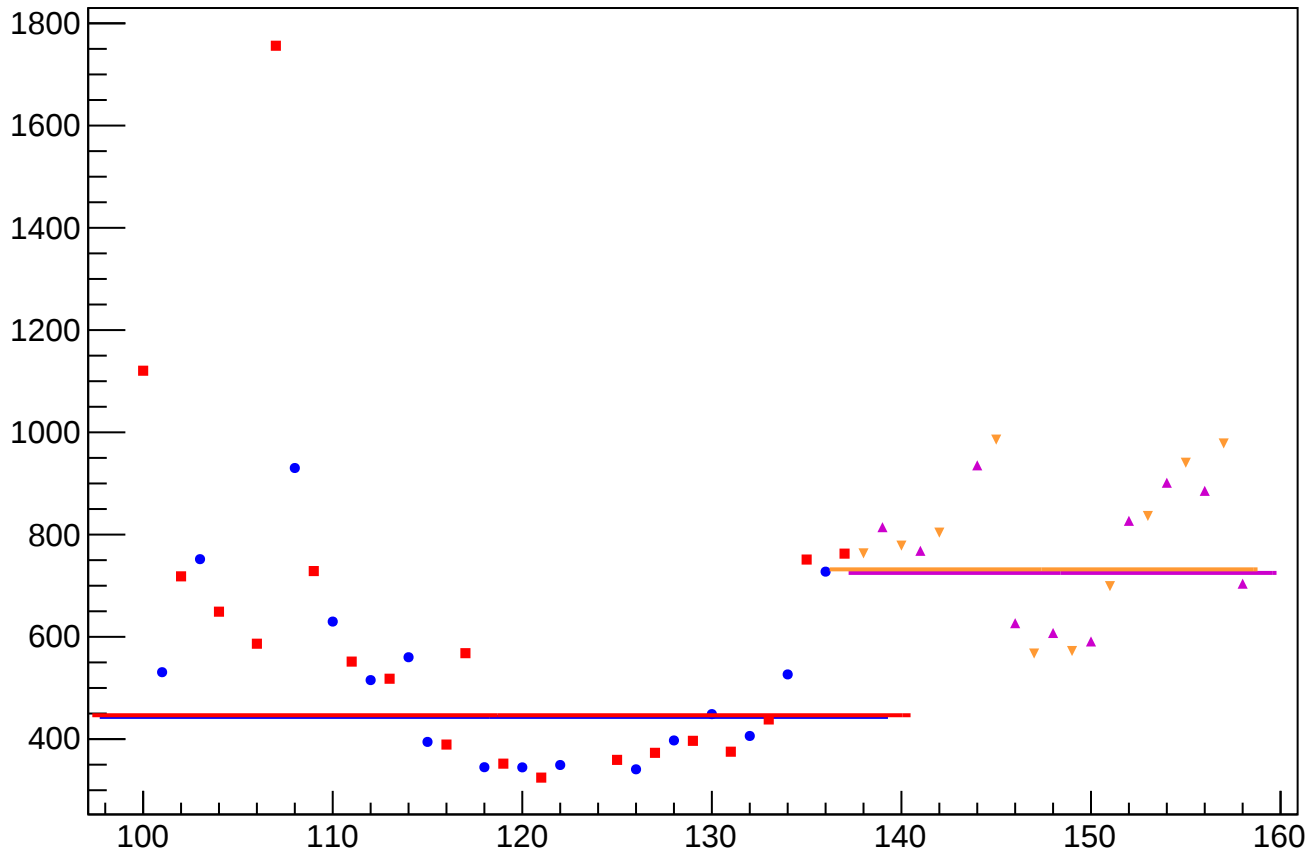
Left In: 274.054+/-257.399 χ^2/NDF : 3.8/9

-222.580+/-150.501 χ^2/NDF : 42.3/25

-39.316+/-104.999 χ^2/NDF : 74.6/54

134.477+/-146.561 χ^2/NDF : 29.4/28

asym_left_avg_correction_rms vs Slug, Sign Corrected



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

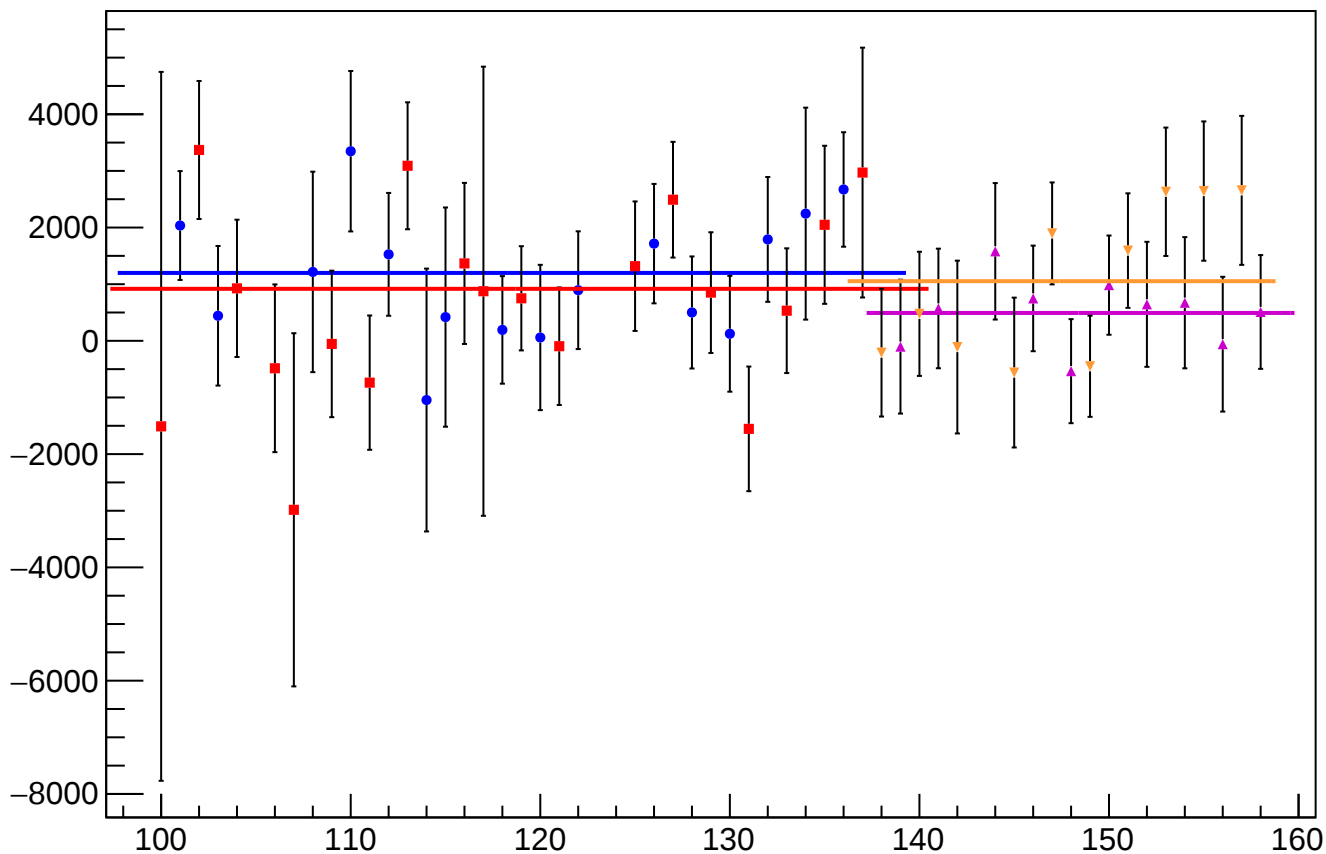
Left In: 725.055+/-0.182 χ^2/NDF : 439690.0/9

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

533.774+/-0.074 χ^2/NDF : 6670139.3/54

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

asym_left_avg_mean vs Slug, Sign Corrected



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

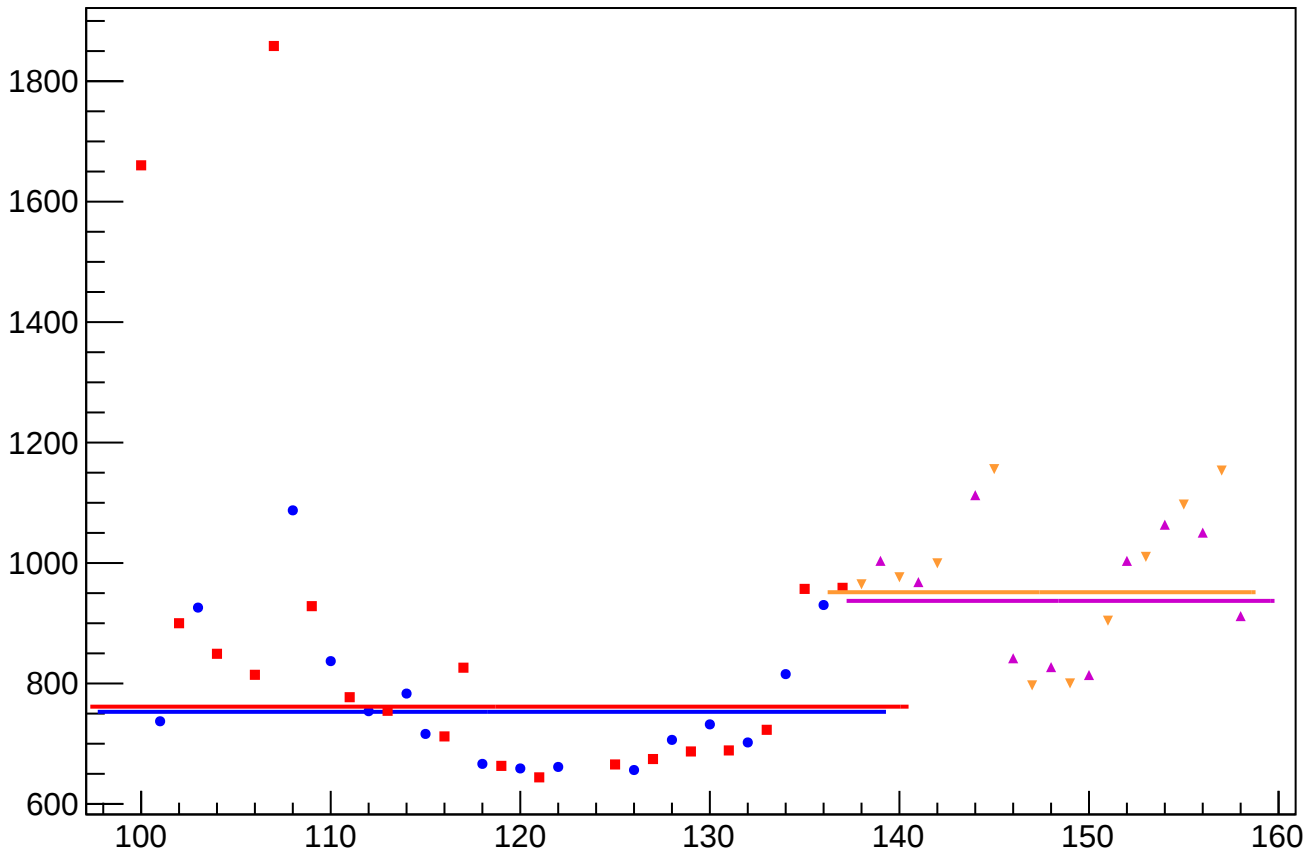
Left In: 492.217 $\pm$ 329.569 χ^2/NDF : 3.0/9

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

927.877 $\pm$ 157.192 χ^2/NDF : 52.8/54

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

asym_left_avg_rms vs Slug, Sign Corrected



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

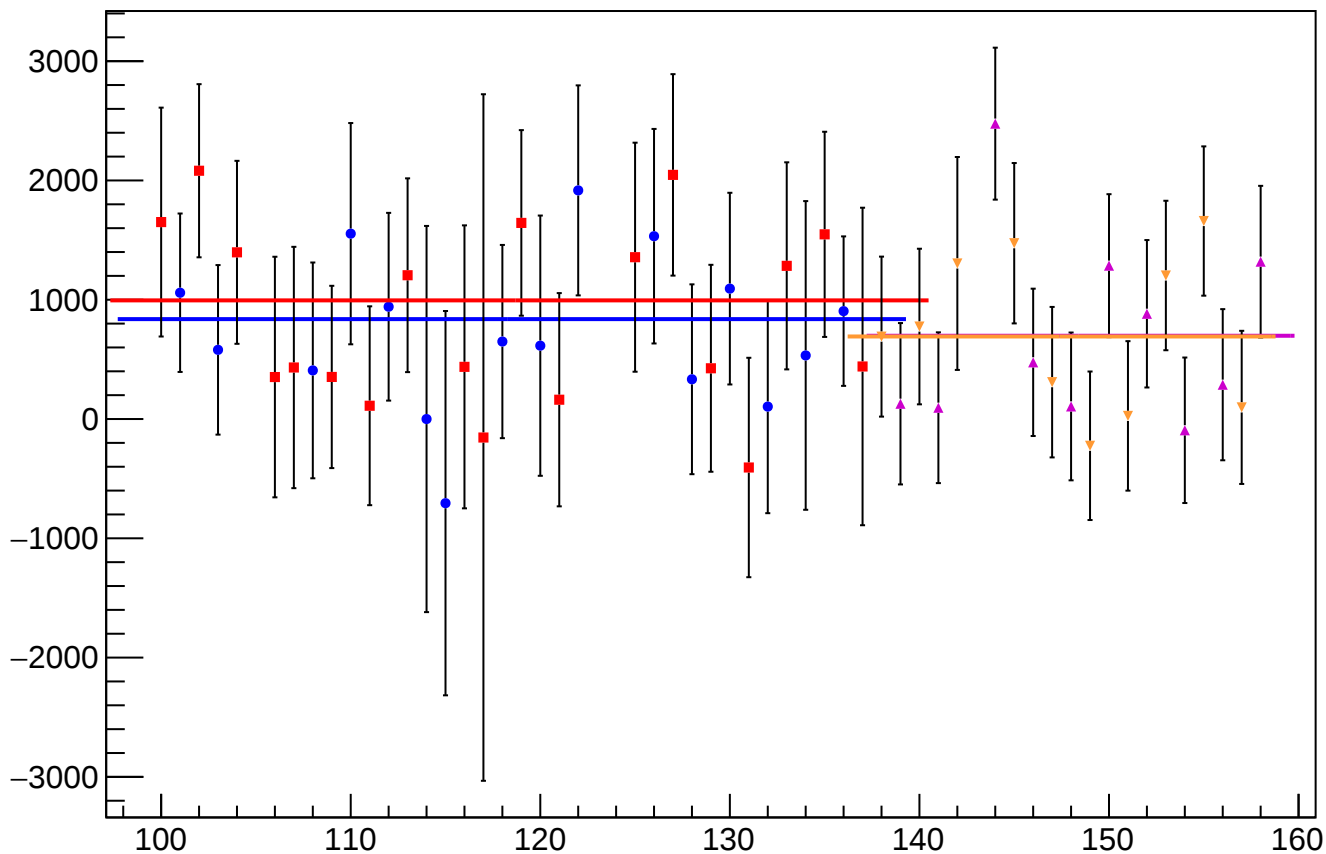
Left In: 937.149+/-0.233 χ^2/NDF : 190122.0/9

835.149+/-0.160 χ^2/NDF : 879624.9/25

837.086+/-0.111 χ^2/NDF : 1905441.4/54

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

reg_asym_left_dd_mean vs Slug, Sign Corrected



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

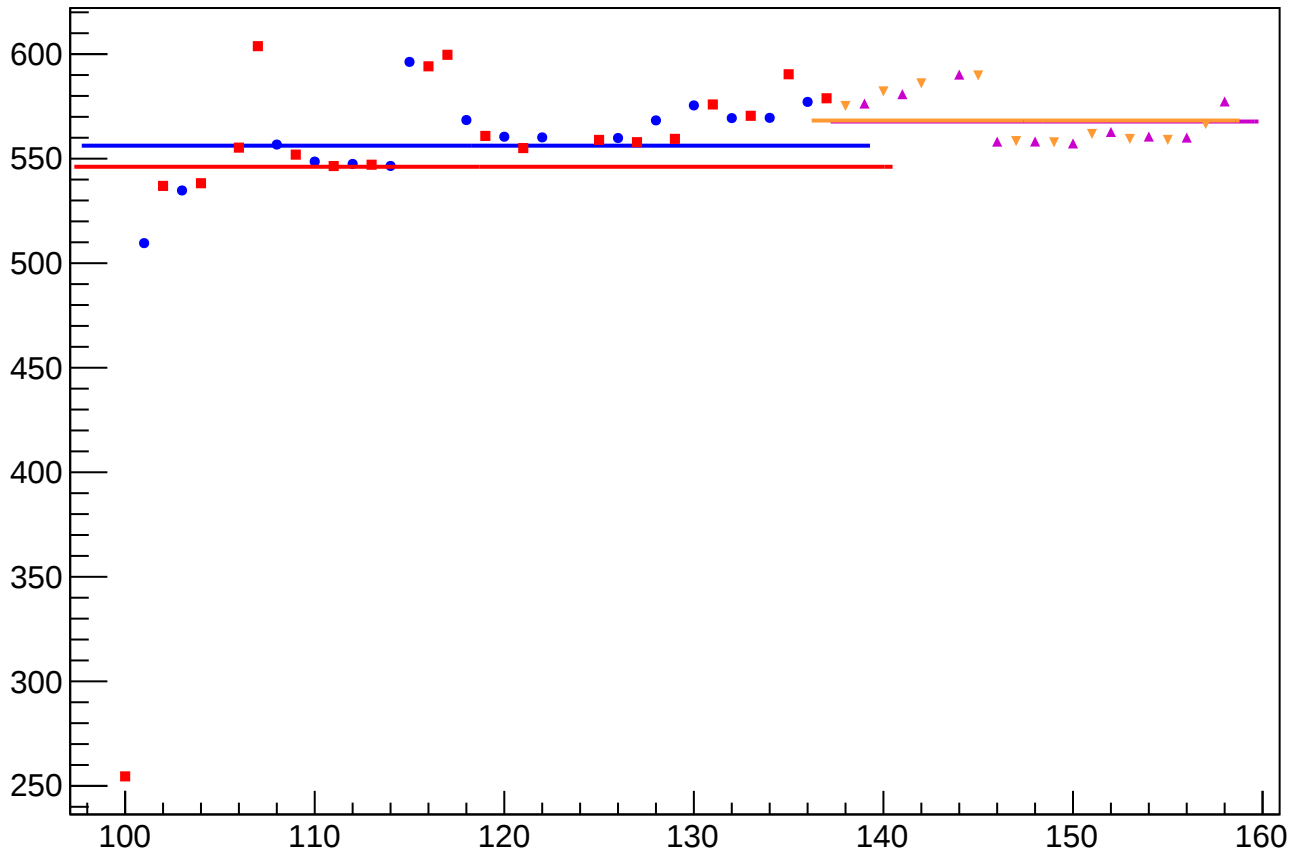
Left In: 698.102 ± 198.269 χ^2/NDF : 14.6/9

761.877 ± 149.667 χ^2/NDF : 15.4/25

802.559 ± 103.489 χ^2/NDF : 43.8/54

839.830 ± 143.253 χ^2/NDF : 28.3/28

reg_asym_left_dd_rms vs Slug, Sign Corrected



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

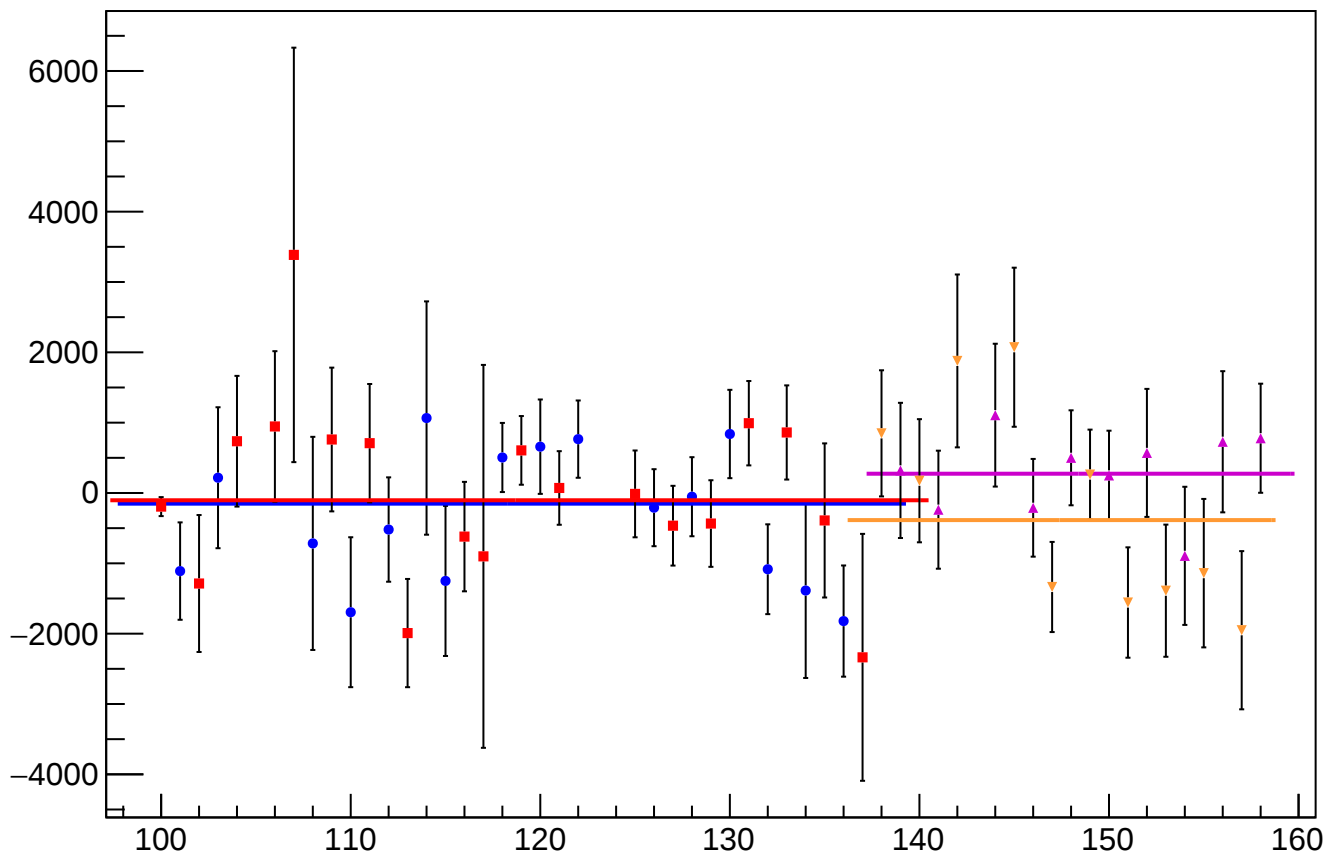
Left In: 567.760 $\pm$ 0.140 χ^2 /NDF: 6393.2/9

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

559.831 $\pm$ 0.073 χ^2 /NDF: 255027.4/54

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

asym_left_dd_correction_mean vs Slug, Sign Corrected



Right In: -151.459 $\pm$ 179.991 χ^2/NDF : 22.3/15

Left Out: -385.295 $\pm$ 273.954 χ^2/NDF : 19.5/9

Right Out: -103.328 $\pm$ 107.623 χ^2/NDF : 23.3/18

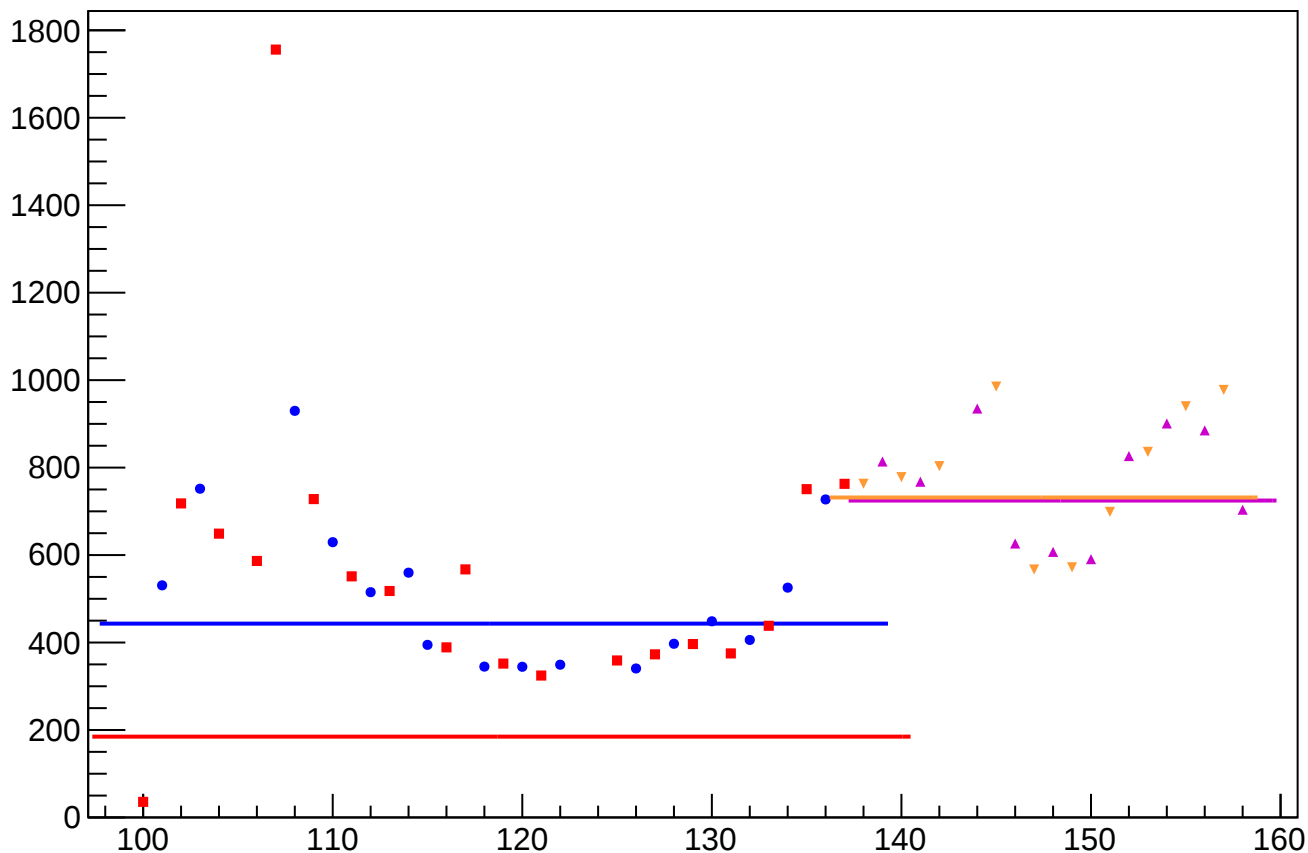
Left In: 274.136 $\pm$ 257.264 χ^2/NDF : 3.8/9

-221.963 $\pm$ 150.428 χ^2/NDF : 42.2/25

-100.166 $\pm$ 82.864 χ^2/NDF : 72.1/54

-47.109 $\pm$ 99.285 χ^2/NDF : 29.0/28

asym_left_dd_correction_rms vs Slug, Sign Corrected



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

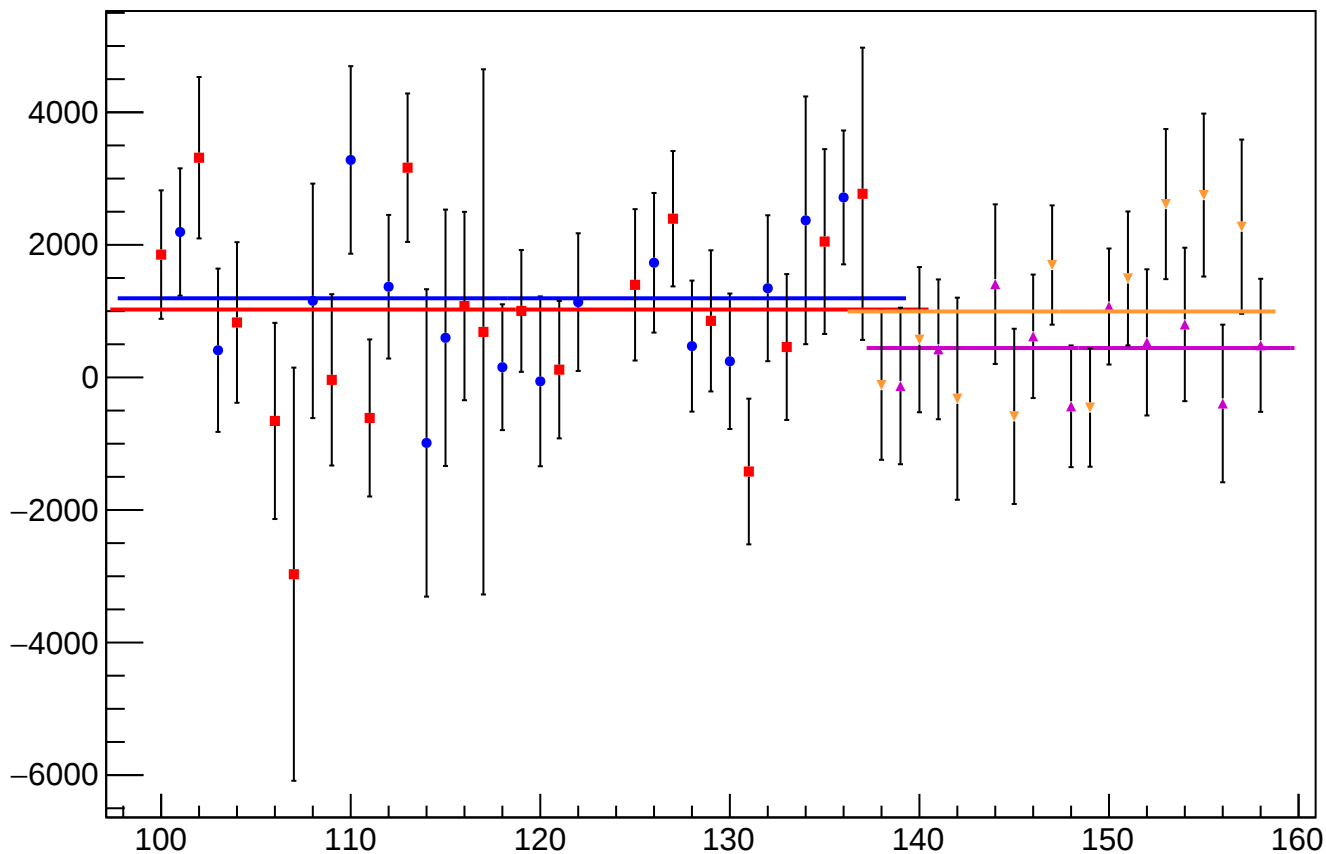
Left In: 724.672+/-0.182 χ^2/NDF : 439609.8/9

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

345.625+/-0.059 χ^2/NDF : 23560634.4/54

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

asym_left_dd_mean vs Slug, Sign Corrected



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

Left Out: 995.044 $\pm$ 351.098 χ^2 /NDF: 11.8/9

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

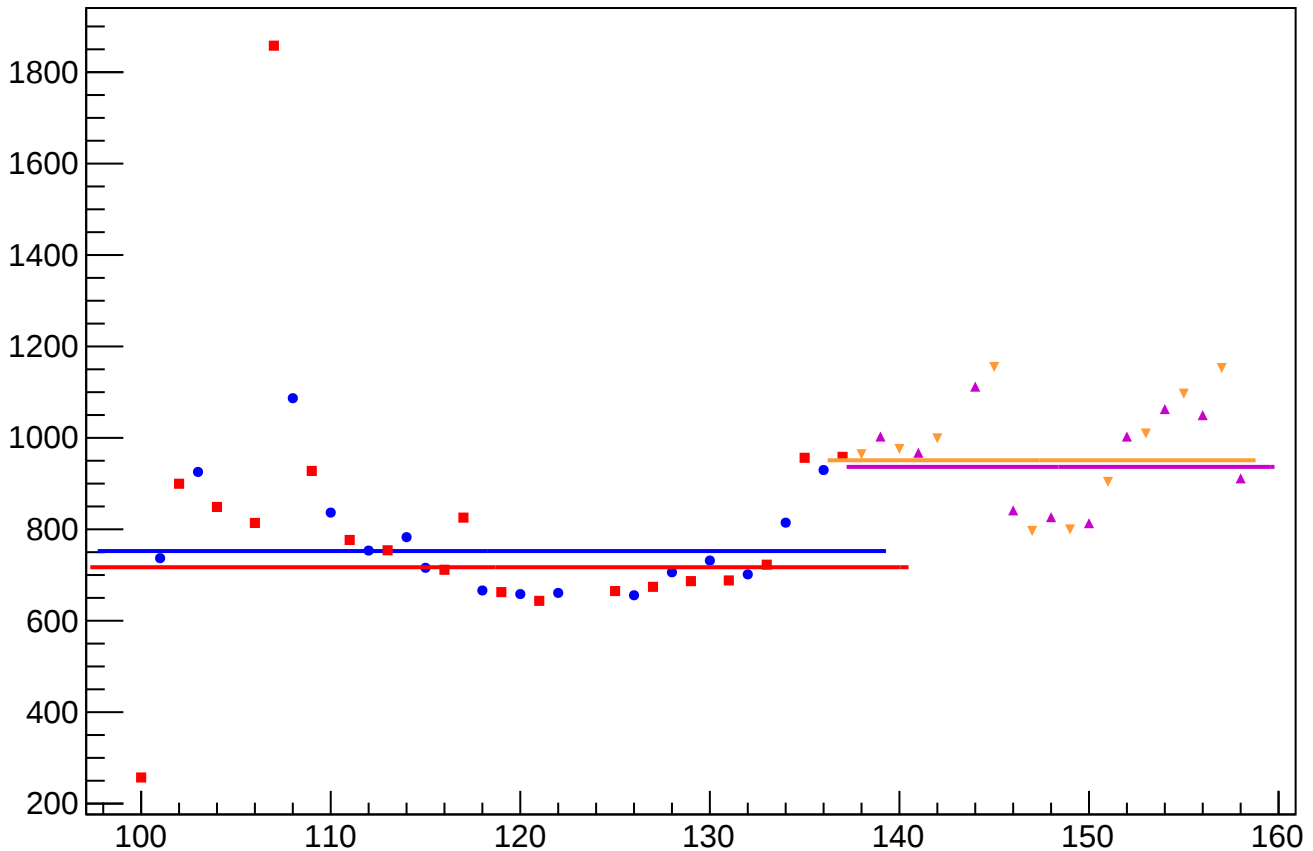
Left In: 443.459 $\pm$ 329.366 χ^2 /NDF: 2.9/9

1111.564 $\pm$ 225.879 χ^2 /NDF: 23.2/25

936.667 $\pm$ 155.114 χ^2 /NDF: 51.6/54

780.586 $\pm$ 213.383 χ^2 /NDF: 27.3/28

asym_left_dd_rms vs Slug, Sign Corrected



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

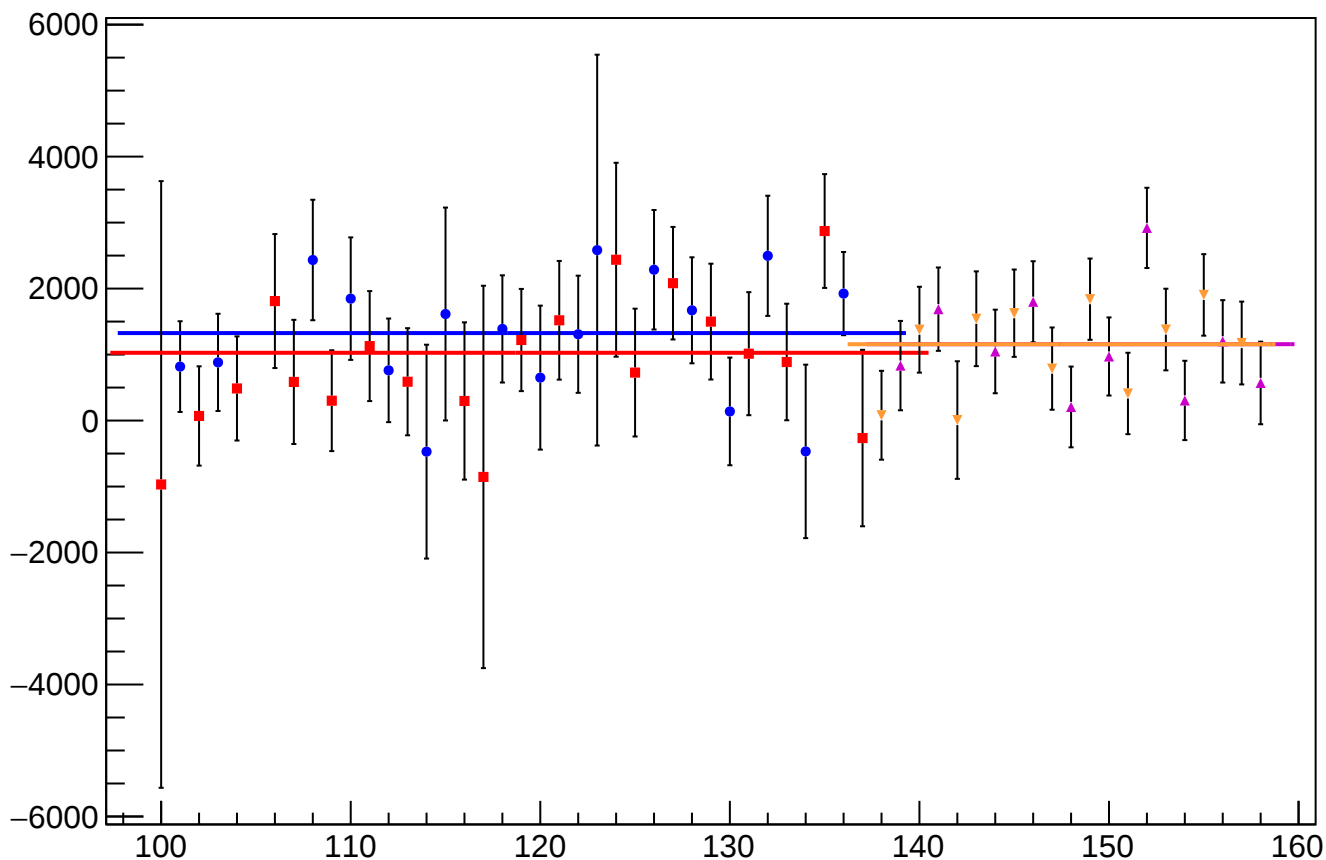
Left In: 936.566 +/- 0.233 χ^2/NDF : 190151.1/9

834.618 +/- 0.160 χ^2/NDF : 880081.9/25

821.185 +/- 0.110 χ^2/NDF : 2567494.1/54

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

reg_asym_right_avg_mean vs Slug, Sign Corrected



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

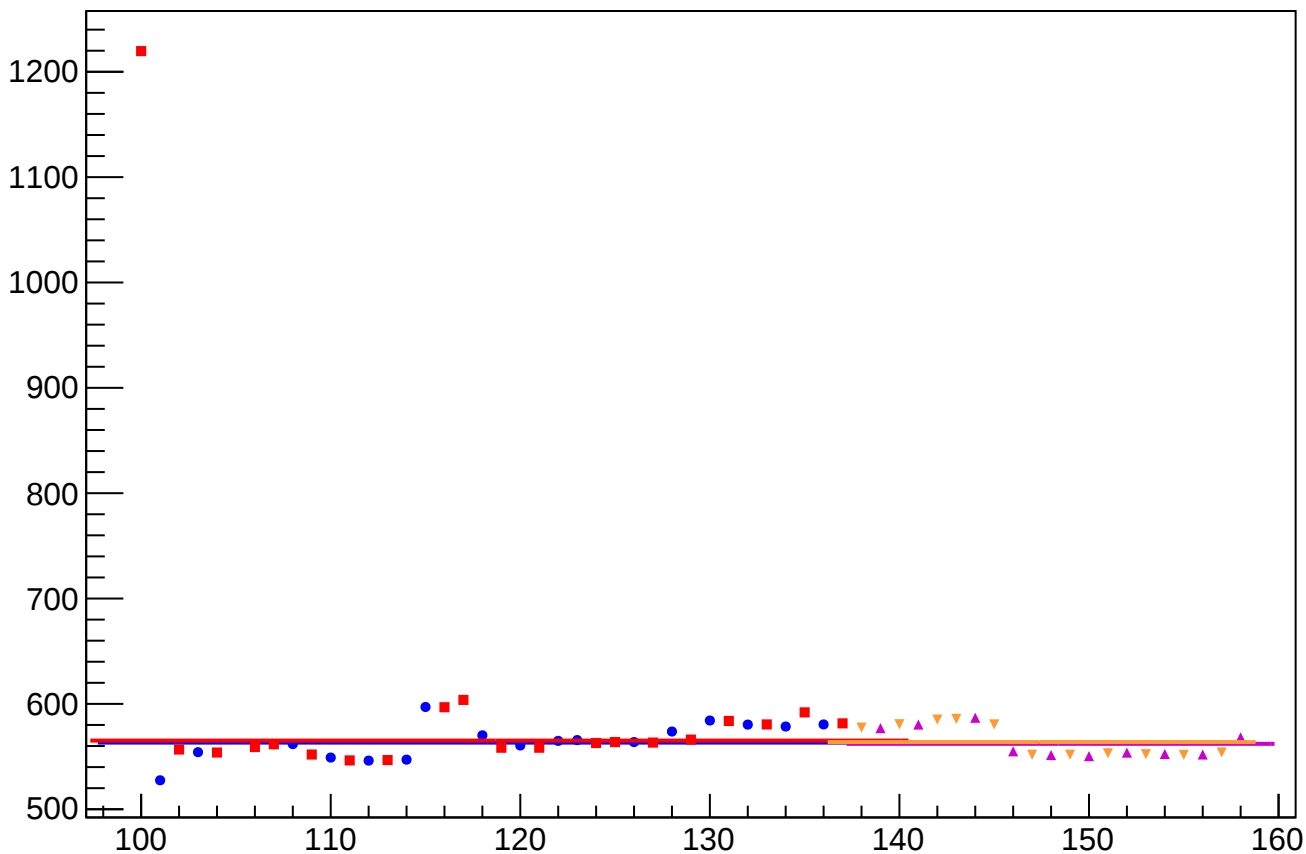
Left In: 1157.288 $\pm$ 196.301 χ^2 /NDF:15.9/9

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

1163.613 $\pm$ 102.545 χ^2 /NDF: 53.3/57

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

reg_asym_right_avg_rms vs Slug, Sign Corrected



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

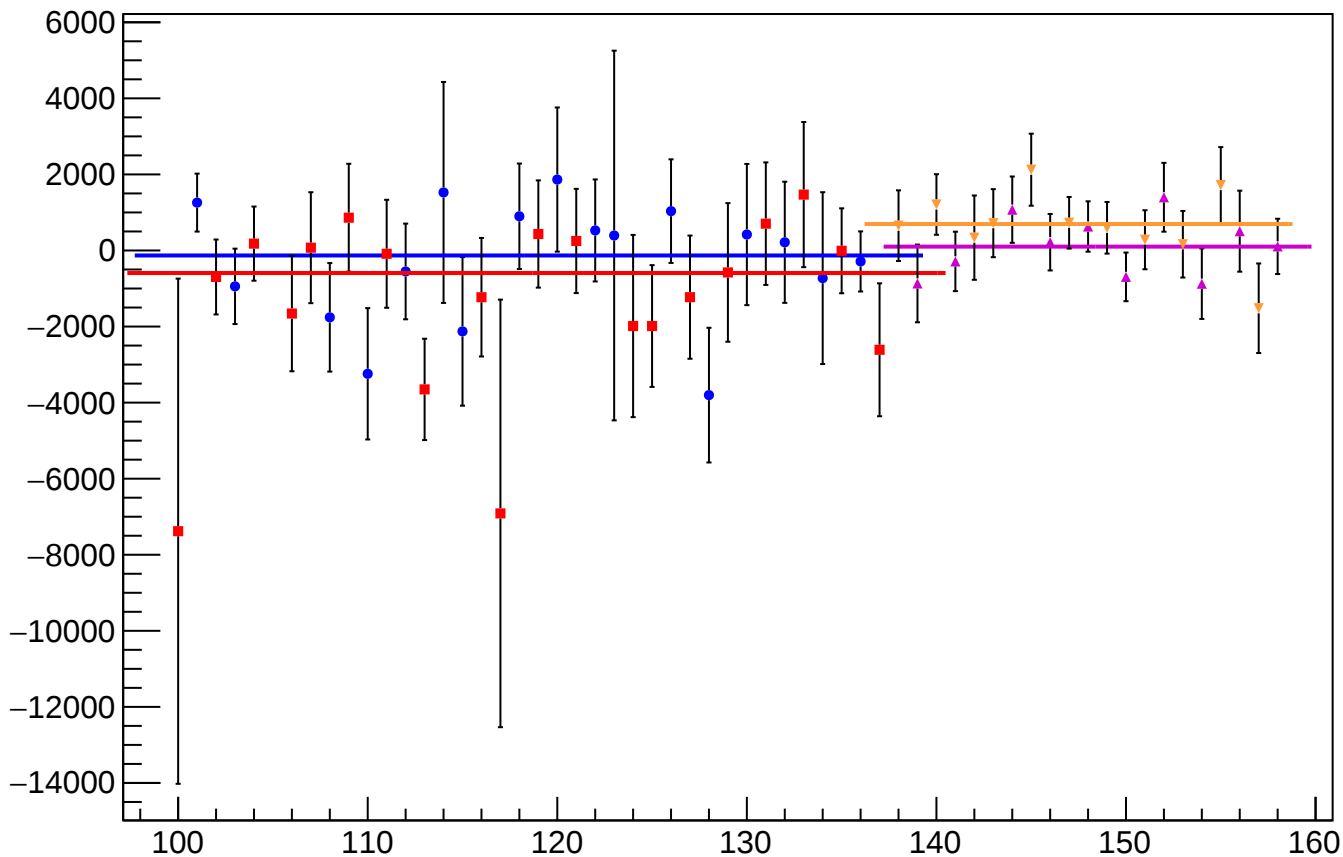
Left In: 562.082+/-0.139 χ^2/NDF : 8962.2/9

563.542+/-0.103 χ^2/NDF : 23087.3/27

563.523+/-0.073 χ^2/NDF : 81929.2/57

563.506+/-0.102 χ^2/NDF : 58841.9/29

asym_right_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 695.311 $\pm$ 258.682 χ^2/NDF : 8.1/10

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

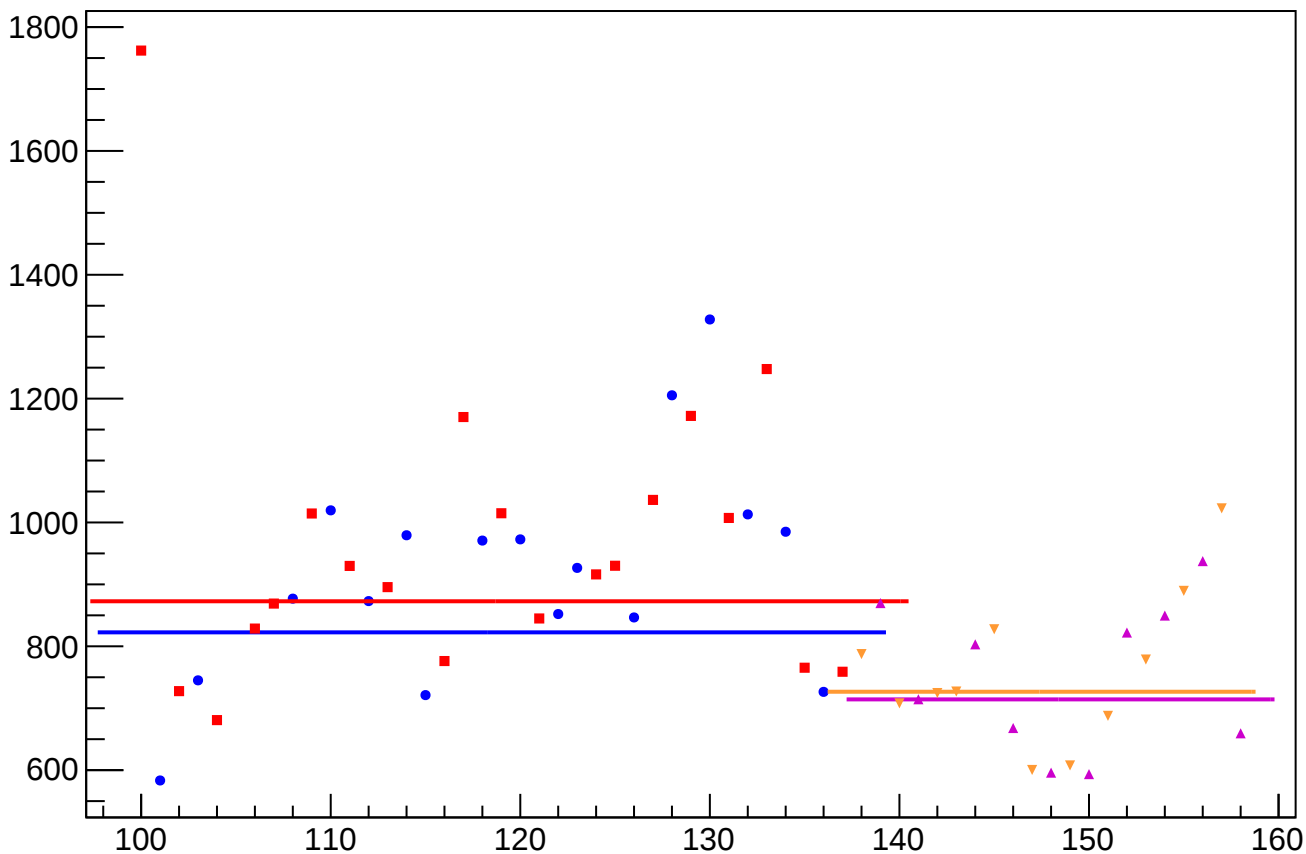
Left In: 101.420 $\pm$ 253.068 χ^2/NDF : 7.9/9

377.913 $\pm$ 203.017 χ^2/NDF : 29.2/27

109.819 $\pm$ 142.917 χ^2/NDF : 59.2/57

-153.564 $\pm$ 201.226 χ^2/NDF : 26.5/29

asym_right_avg_correction_rms vs Slug, Sign Corrected



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

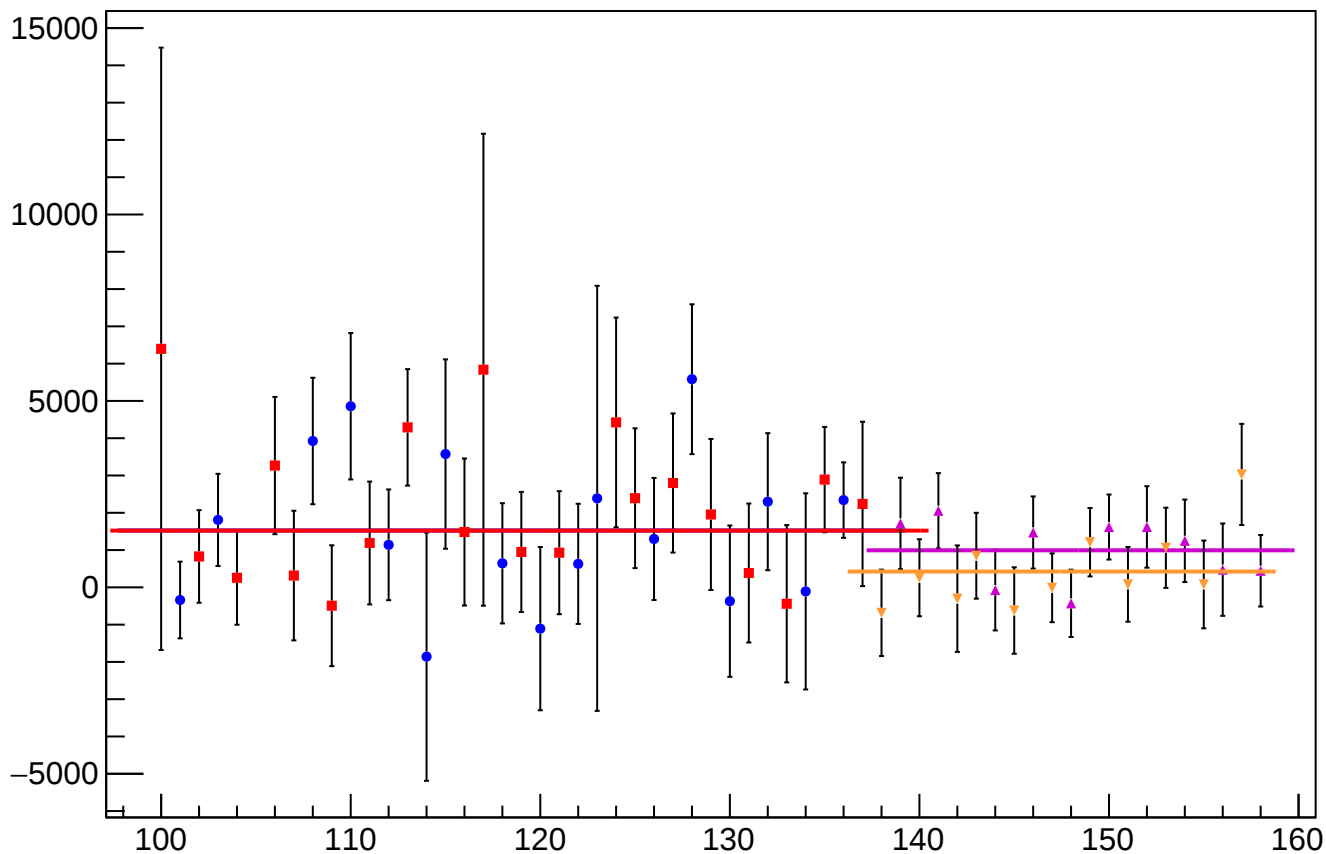
Left In: 714.267 ± 0.179 χ^2/NDF : 380442.3/9

763.461 ± 0.144 χ^2/NDF : 1061476.2/27

768.039 ± 0.101 χ^2/NDF : 2144752.8/57

772.538 ± 0.142 χ^2/NDF : 1081259.9/29

asym_right_avg_mean vs Slug, Sign Corrected



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

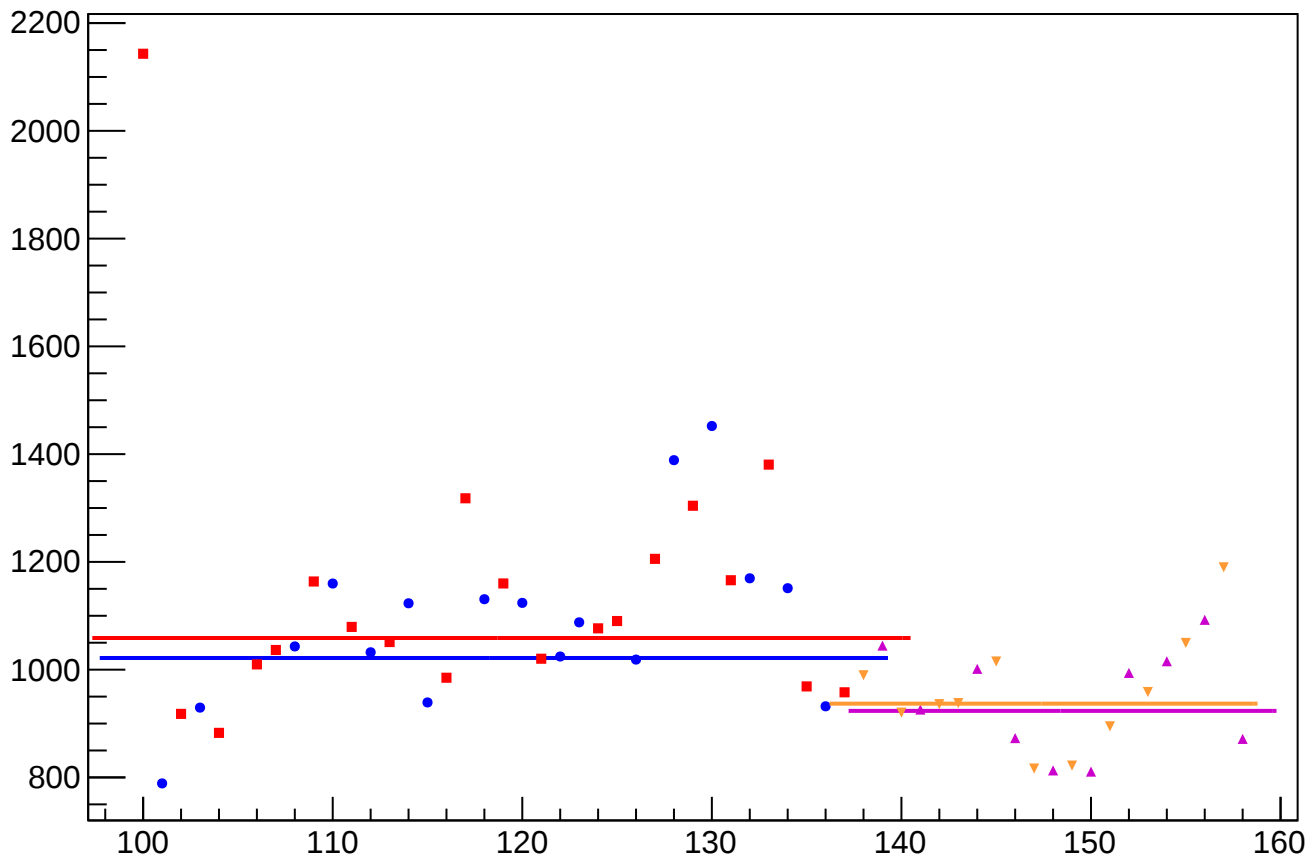
Left In: 993.230 $\pm$ 324.453 χ^2 /NDF: 6.5/9

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

1038.171 $\pm$ 179.232 χ^2 /NDF: 51.1/57

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

asym_right_avg_rms vs Slug, Sign Corrected



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

Left Out: 936.901 +/- 0.234 χ^2/NDF : 171468.5/10

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

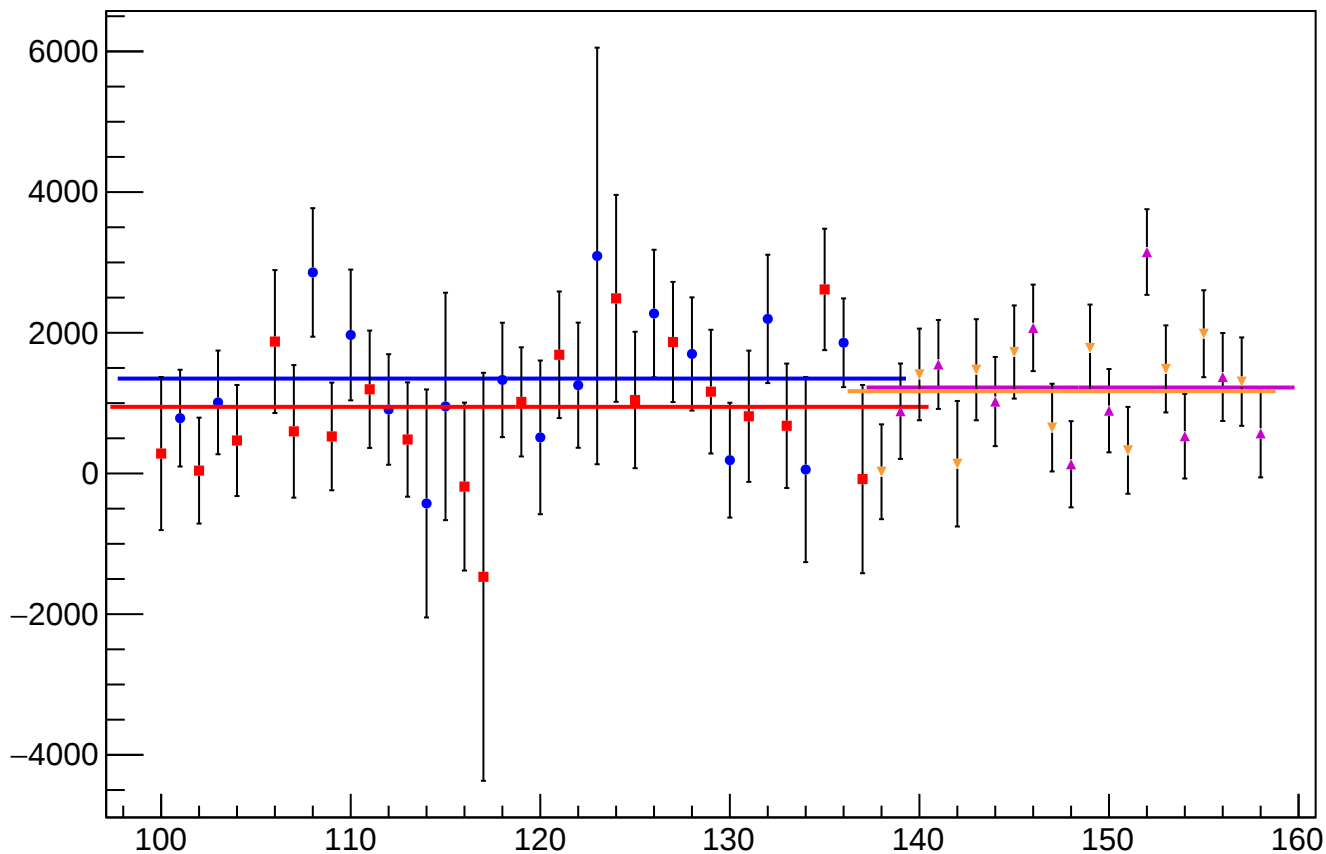
Left In: 923.494 +/- 0.229 χ^2/NDF : 164011.5/9

971.101 +/- 0.180 χ^2/NDF : 556517.3/27

974.252 +/- 0.127 χ^2/NDF : 1093794.1/57

977.319 +/- 0.178 χ^2/NDF : 536675.3/29

reg_asym_right_dd_mean vs Slug, Sign Corrected



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

Left Out: 1169.728 $\pm$ 197.588 χ^2 /NDF:10.8/10

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

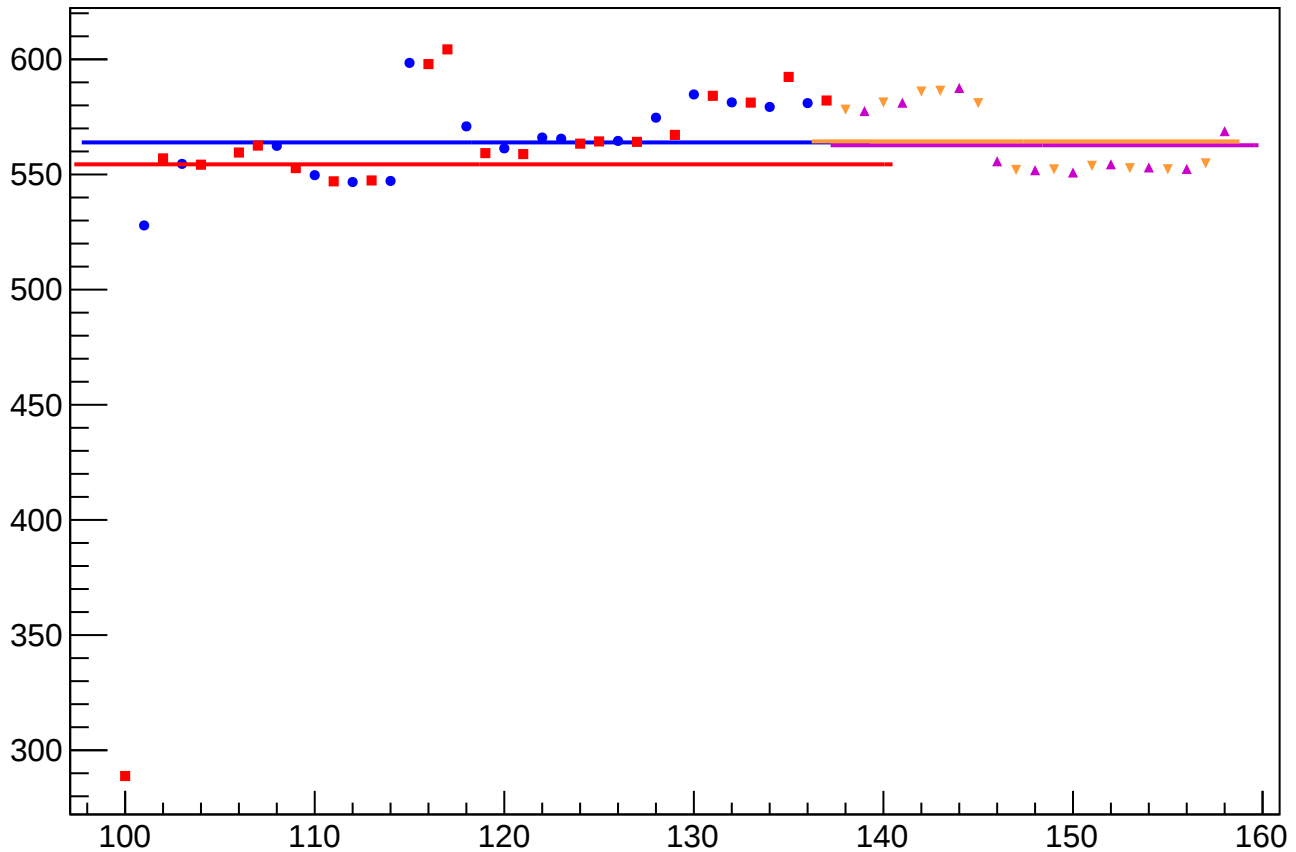
Left In: 1221.802 $\pm$ 196.515 χ^2 /NDF:18.5/9

1250.503 $\pm$ 146.511 χ^2 /NDF: 23.5/27

1169.154 $\pm$ 102.231 χ^2 /NDF: 56.4/57

1091.963 $\pm$ 142.718 χ^2 /NDF: 32.3/29

reg_asym_right_dd_rms vs Slug, Sign Corrected



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

Left Out: 564.367 ± 0.140 χ^2/NDF : 10575.0/10

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

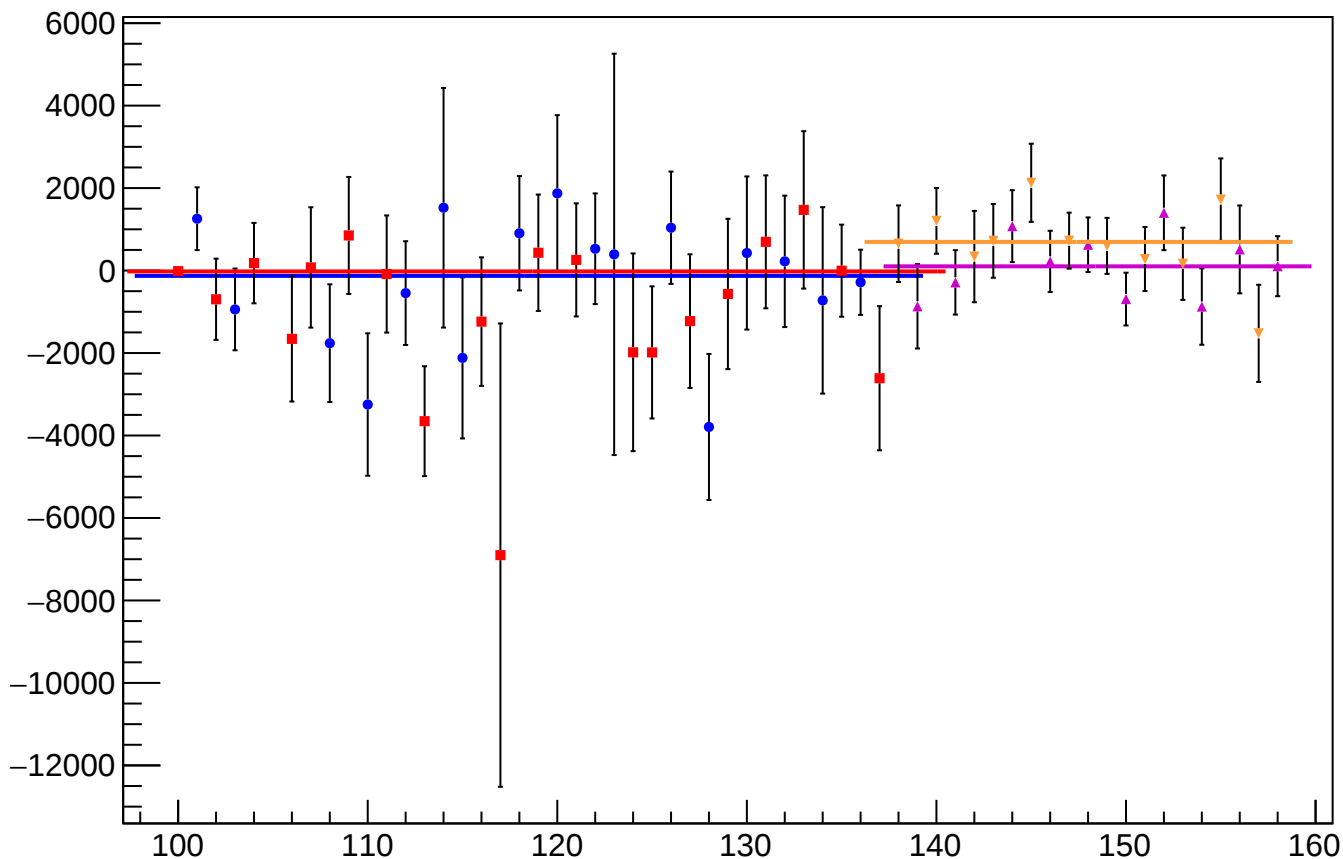
Left In: 562.691 ± 0.139 χ^2/NDF : 9043.7/9

564.167 ± 0.104 χ^2/NDF : 23242.6/27

561.400 ± 0.072 χ^2/NDF : 167919.2/57

558.774 ± 0.101 χ^2/NDF : 143285.9/29

asym_right_dd_correction_mean vs Slug, Sign Corrected



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

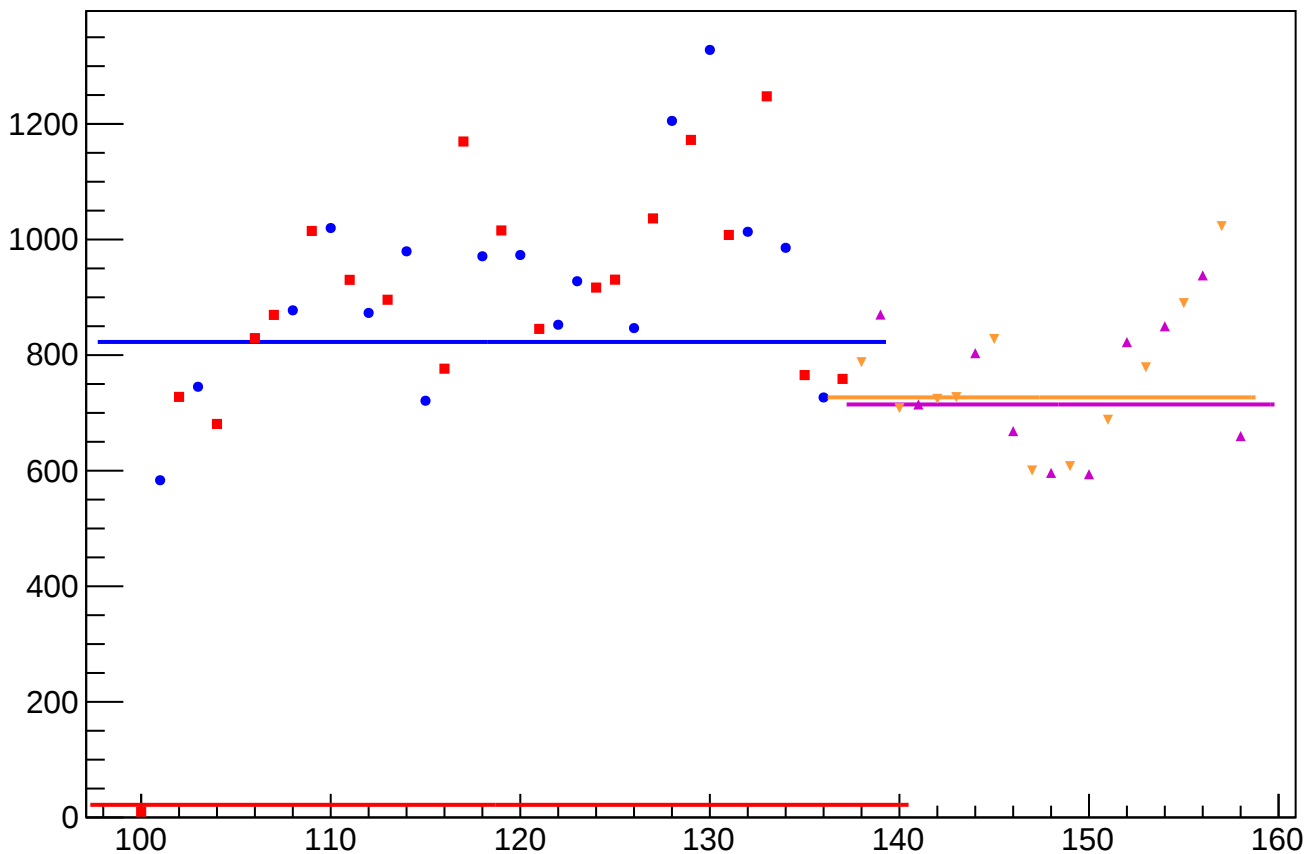
Left In: 102.257+/-253.185 χ^2/NDF : 7.9/9

378.422+/-203.087 χ^2/NDF : 29.2/27

-4.123+/-37.827 χ^2/NDF : 58.6/57

-17.871+/-38.500 χ^2/NDF : 25.7/29

asym_right_dd_correction_rms vs Slug, Sign Corrected



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

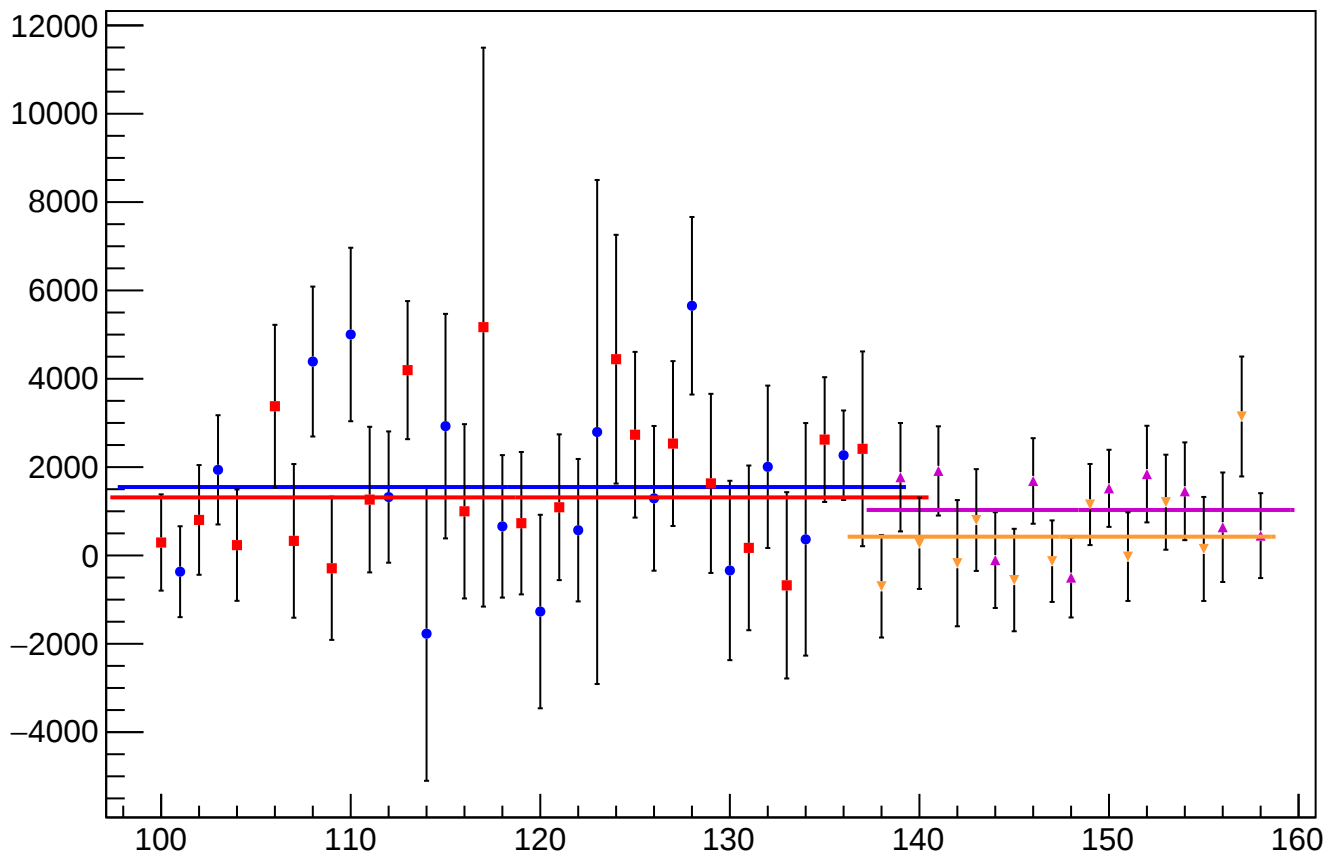
Left In: 714.606 $\pm$ 0.179 χ^2 /NDF: 380074.3/9

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

63.066 $\pm$ 0.027 χ^2 /NDF: 54335625.6/57

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

asym_right_dd_mean vs Slug, Sign Corrected



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

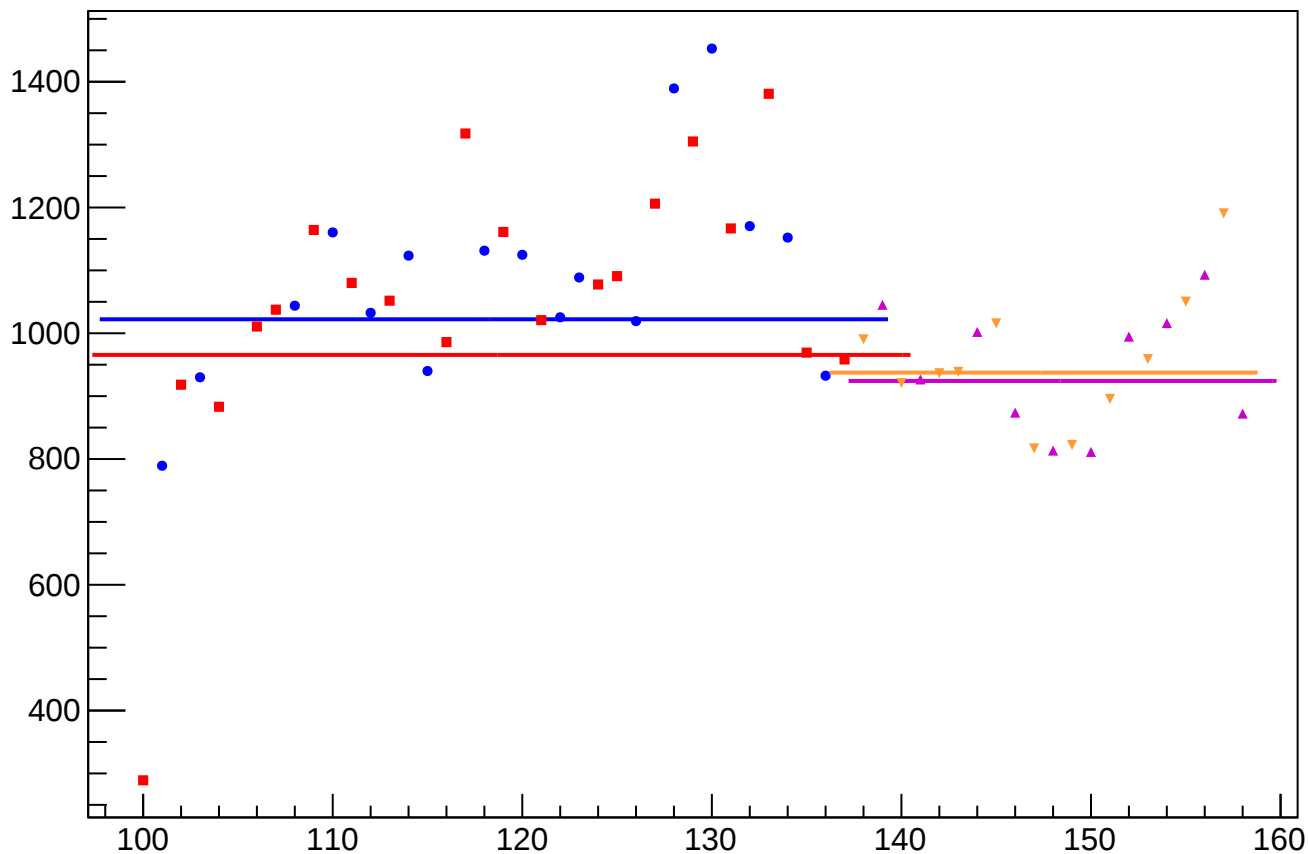
Left In: 1029.961 $\pm$ 324.673 χ^2/NDF : 7.0/9

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

1020.483 $\pm$ 177.002 χ^2/NDF : 52.3/57

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

asym_right_dd_rms vs Slug, Sign Corrected



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

Left Out: 937.456 $\pm$ 0.234 χ^2/NDF : 171572.4/10

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

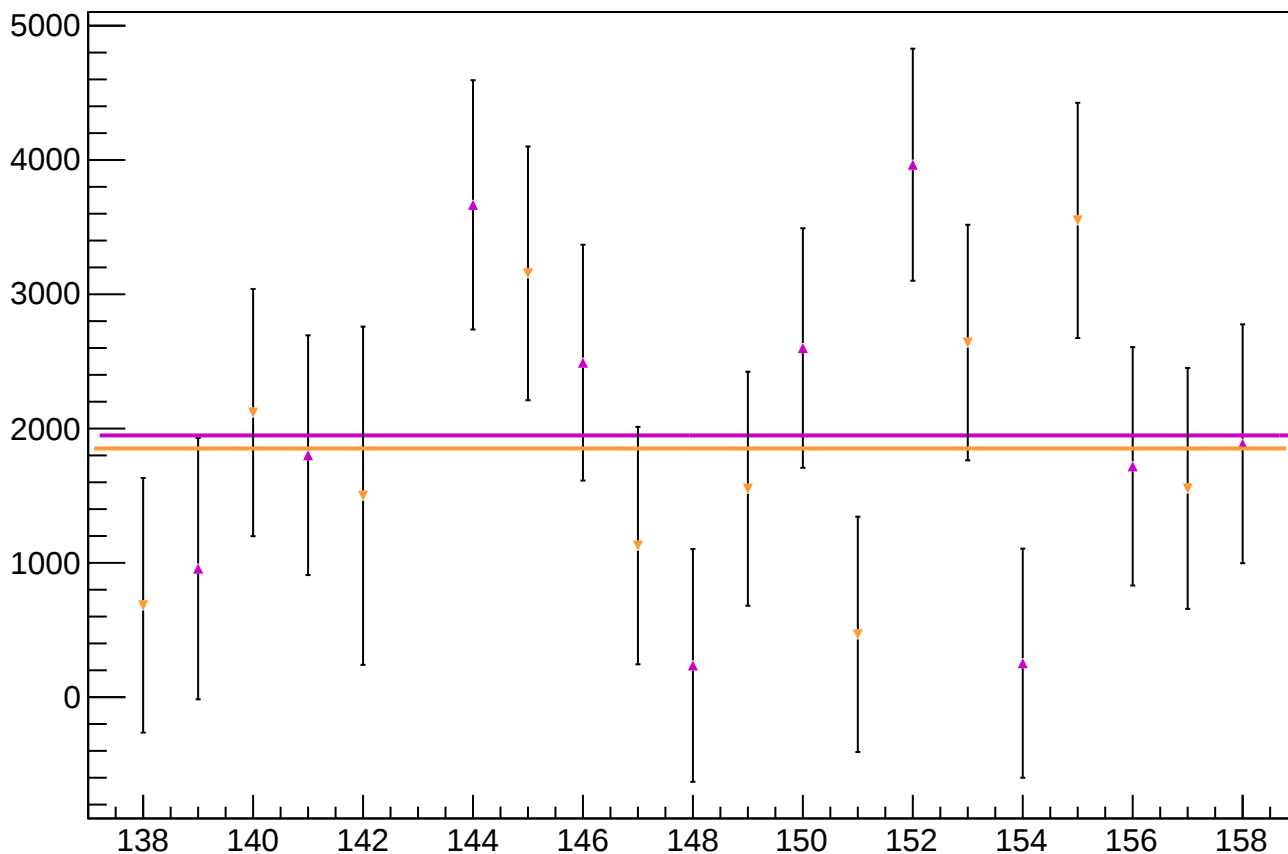
Left In: 924.126 $\pm$ 0.230 χ^2/NDF : 163879.7/9

971.666 $\pm$ 0.181 χ^2/NDF : 556504.7/27

956.182 $\pm$ 0.125 χ^2/NDF : 1821983.8/57

941.863 $\pm$ 0.174 χ^2/NDF : 1251325.4/29

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

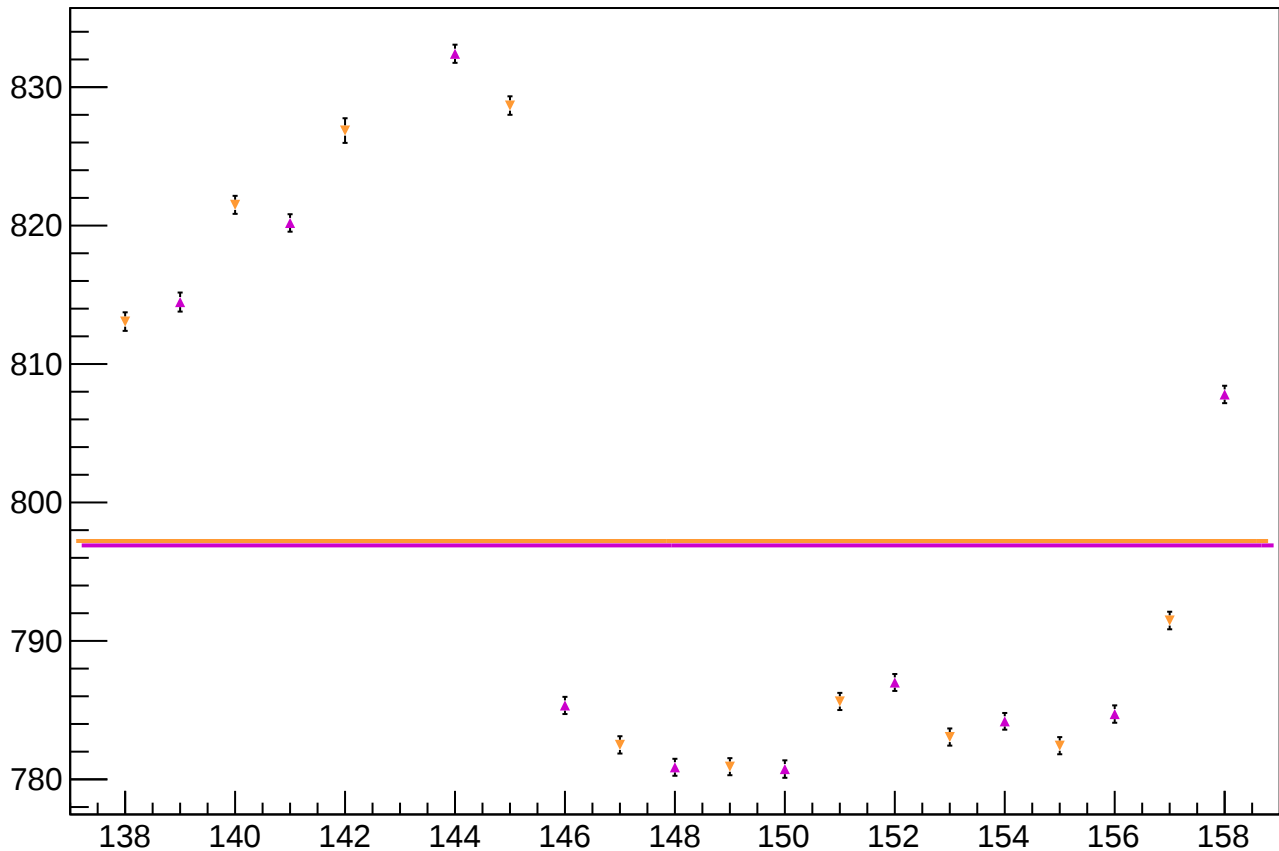
Left In: 1948.860+/-281.669 χ^2/NDF :18.8/9

1851.912+/-291.231 χ^2/NDF : 11.5/9

1902.004+/-202.466 χ^2/NDF : 30.4/19

1948.860+/-281.669 χ^2/NDF : 18.8/9

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

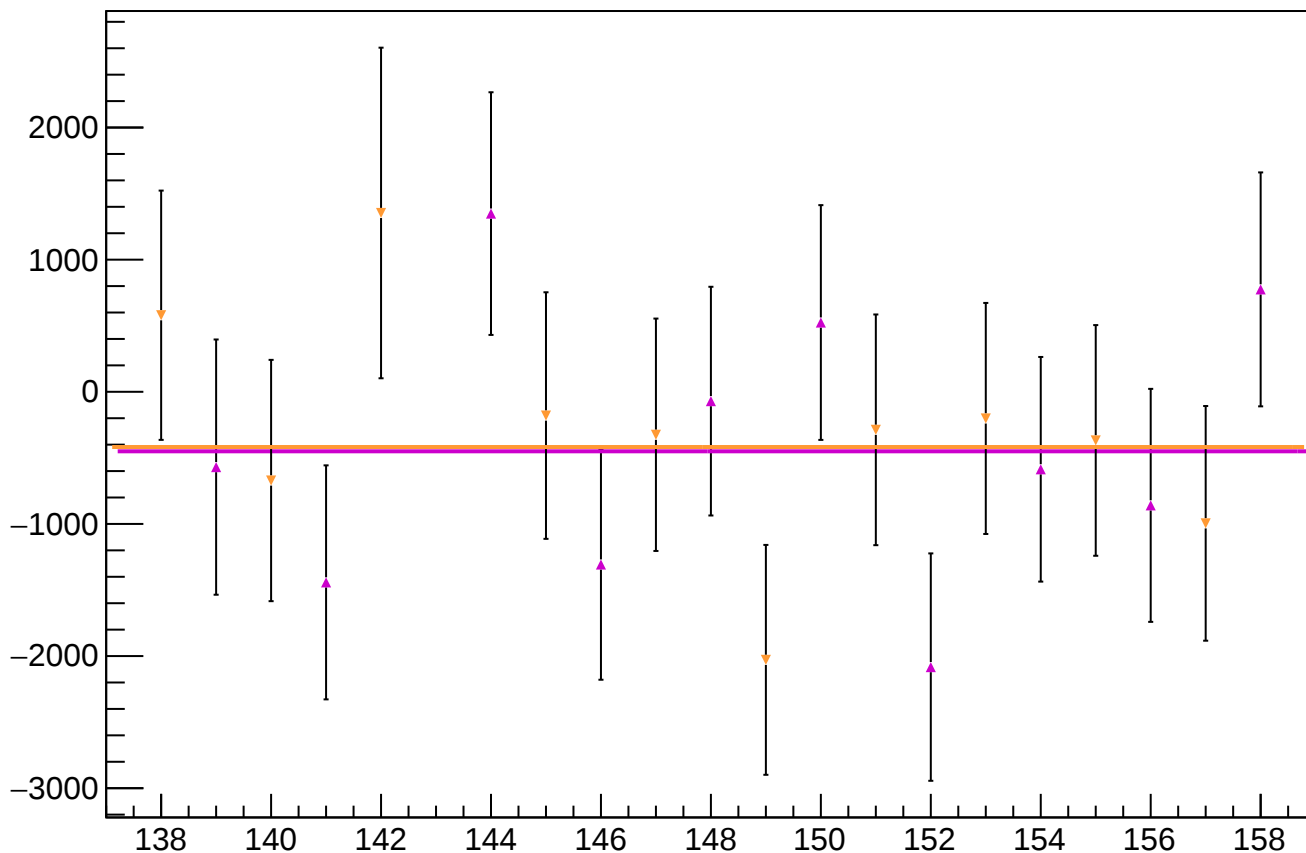
Left In: 796.898+/-0.199 χ^2/NDF : 8013.3/9

797.217+/-0.206 χ^2/NDF : 8055.3/9

797.052+/-0.143 χ^2/NDF : 16069.9/19

796.898+/-0.199 χ^2/NDF : 8013.3/9

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

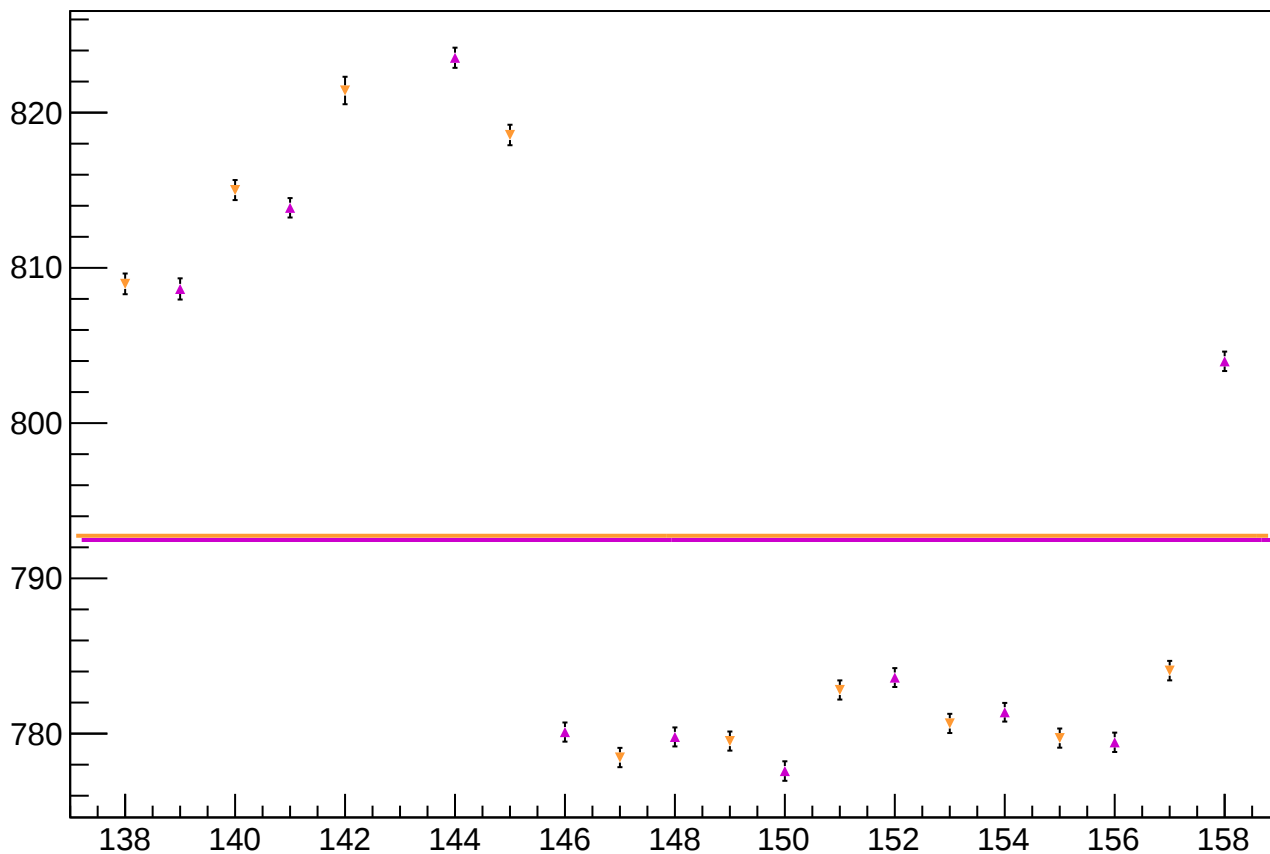
Left In: -450.398+/-280.087 χ^2/NDF : 13.2/9

-417.945+/-289.560 χ^2/NDF : 7.2/9

-434.711+/-201.317 χ^2/NDF : 20.5/19

-450.398+/-280.087 χ^2/NDF : 13.2/9

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

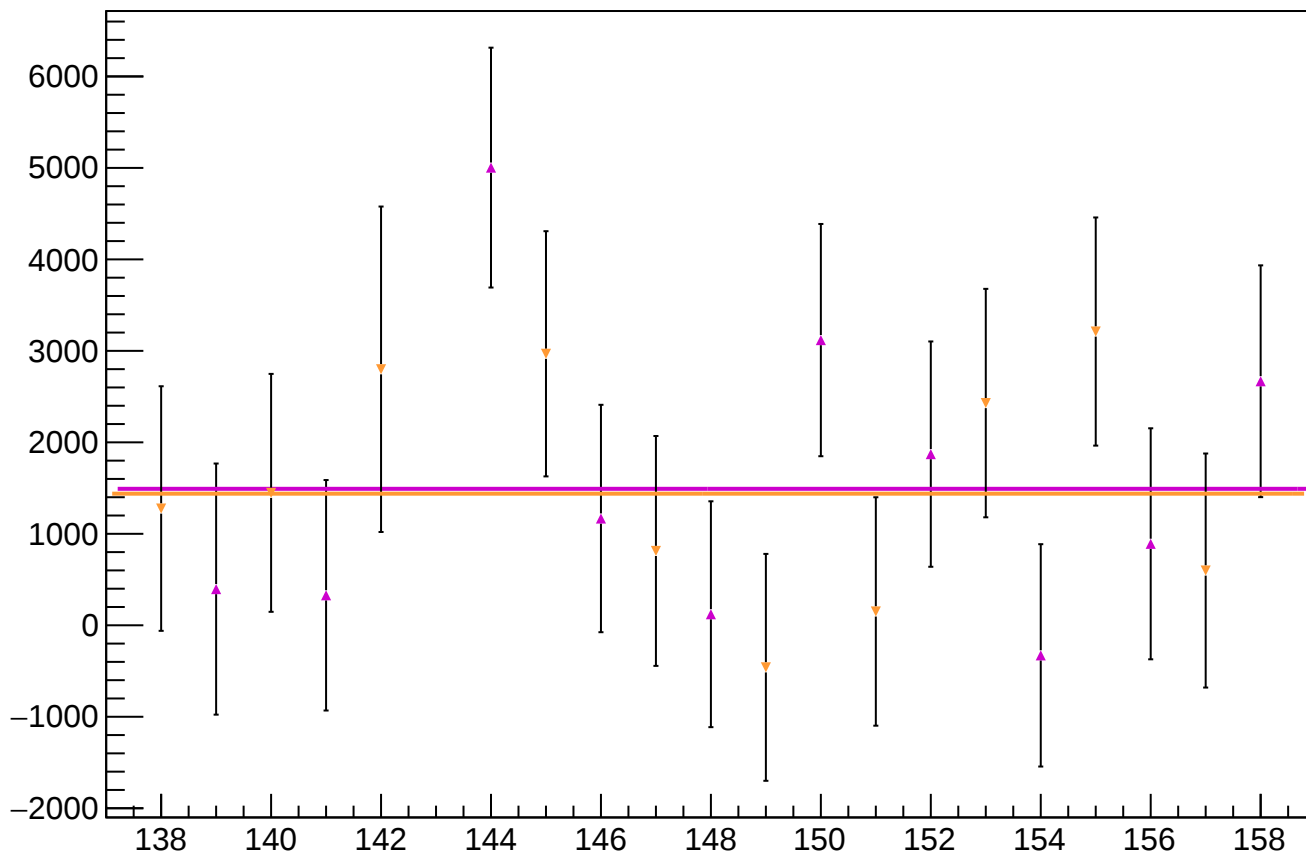
Left In: 792.472+/-0.198 χ^2/NDF : 6738.2/9

792.745+/-0.205 χ^2/NDF : 6631.9/9

792.604+/-0.142 χ^2/NDF : 13371.0/19

792.472+/-0.198 χ^2/NDF : 6738.2/9

cor_asym_usl_mean vs Slug, Sign Corrected



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

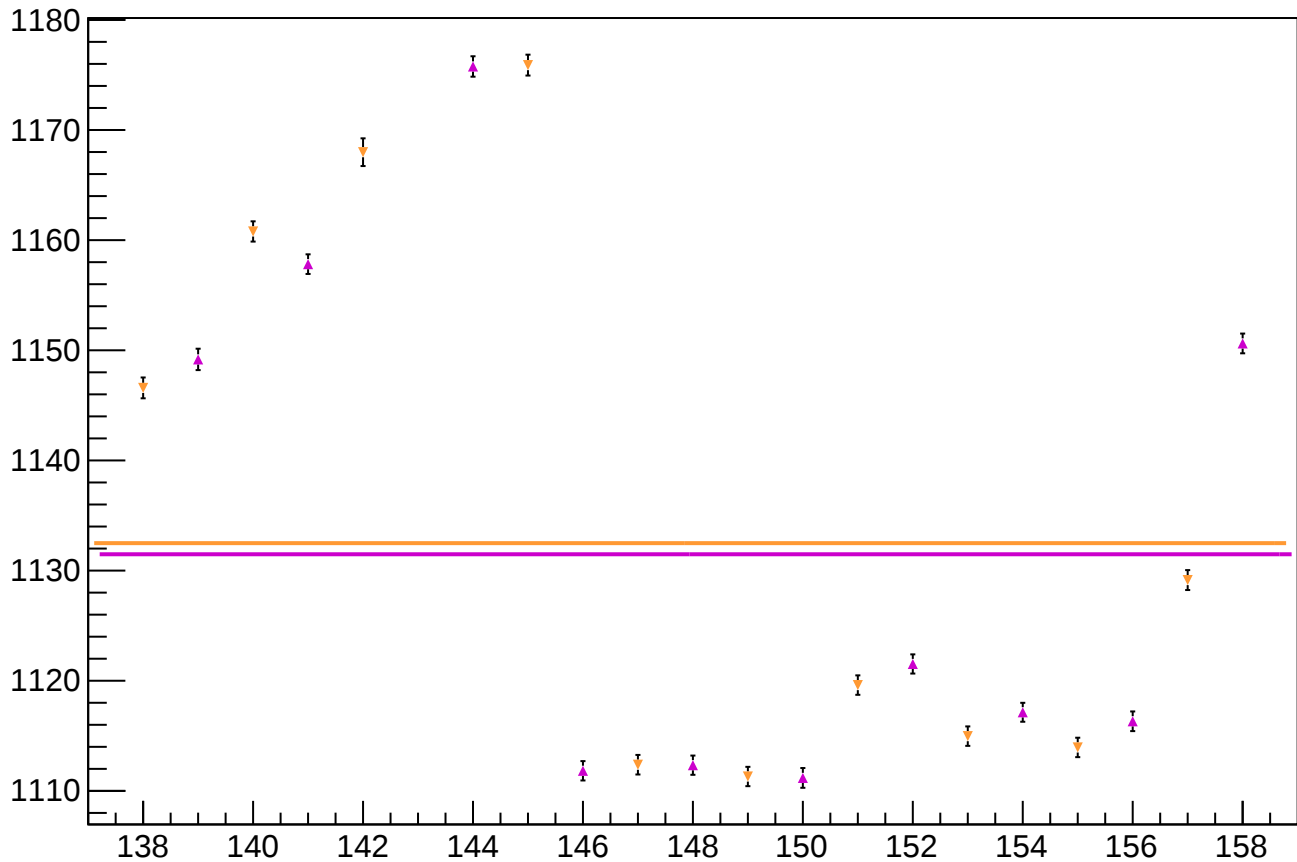
Left In: 1491.968+/-399.901 χ^2/NDF : 15.0/9

1438.789+/-413.667 χ^2/NDF : 8.6/9

1466.278+/-287.516 χ^2/NDF : 23.7/19

1491.968+/-399.901 χ^2/NDF : 15.0/9

cor_asym_usl_rms vs Slug, Sign Corrected



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

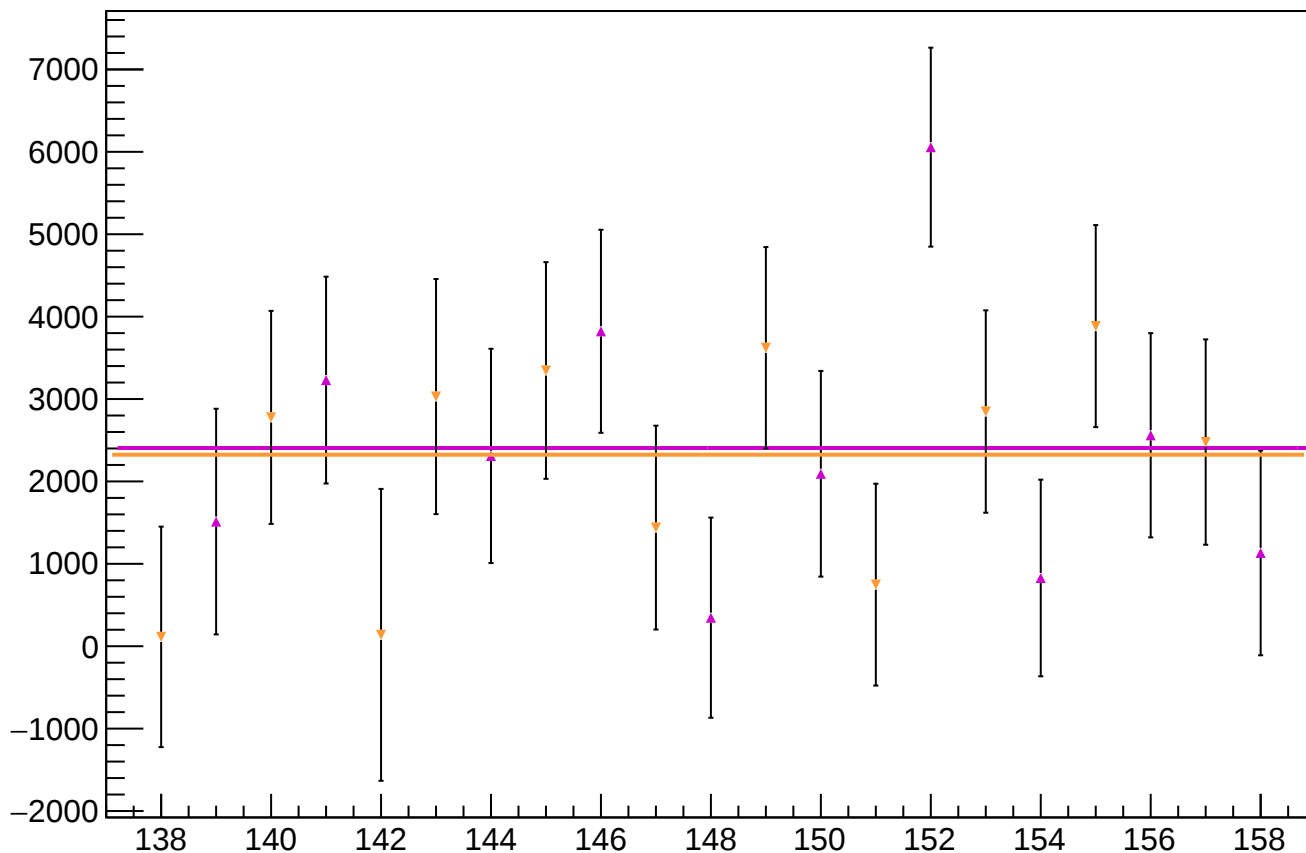
Left In: 1131.483+/-0.283 χ^2/NDF : 6135.5/9

1132.493+/-0.293 χ^2/NDF : 6221.4/9

1131.971+/-0.203 χ^2/NDF : 12363.1/19

1131.483+/-0.283 χ^2/NDF : 6135.5/9

cor_asym_usr_mean vs Slug, Sign Corrected



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

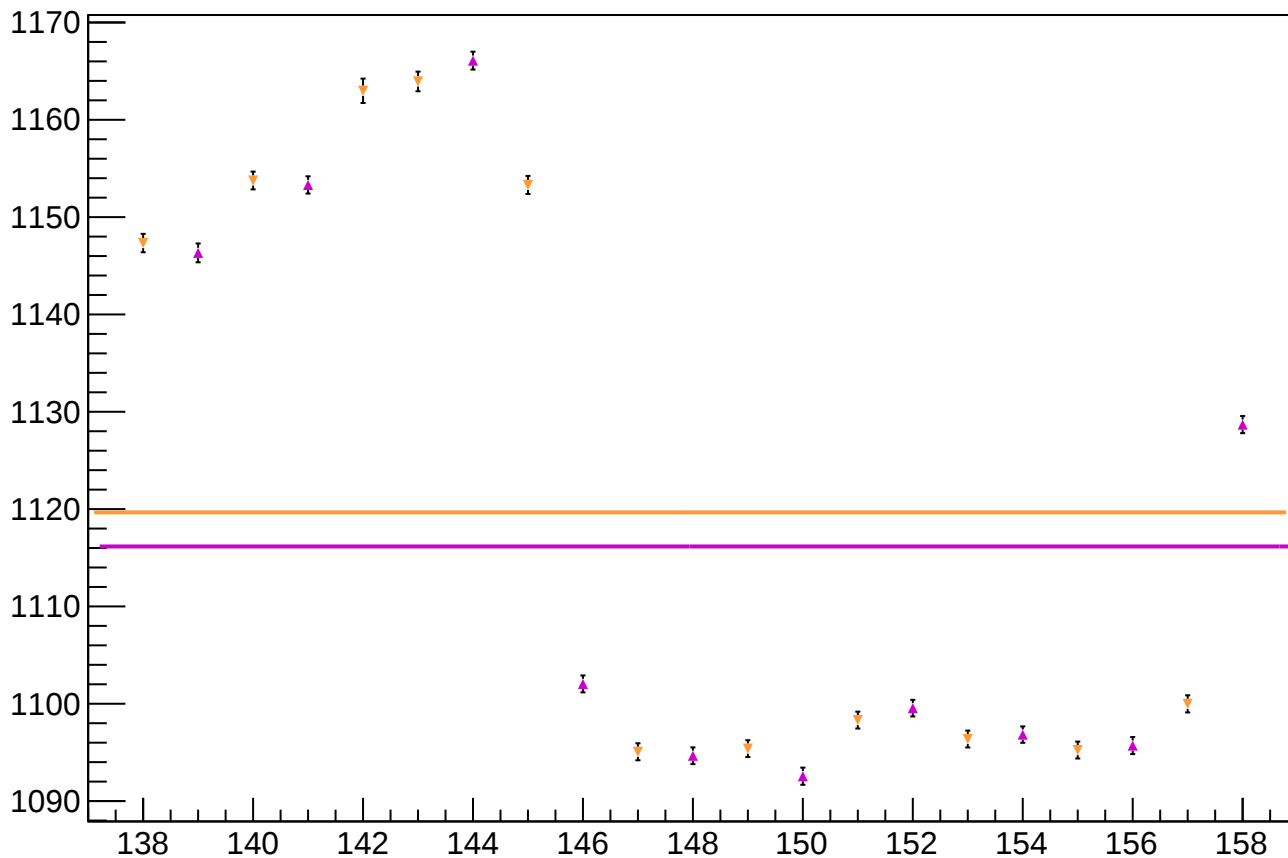
Left In: 2405.677+/-394.520 χ^2/NDF : 17.1/9

2324.379+/-392.003 χ^2/NDF : 10.3/10

2364.768+/-278.074 χ^2/NDF : 27.4/20

2405.677+/-394.520 χ^2/NDF : 17.1/9

cor_asym_usr_rms vs Slug, Sign Corrected



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

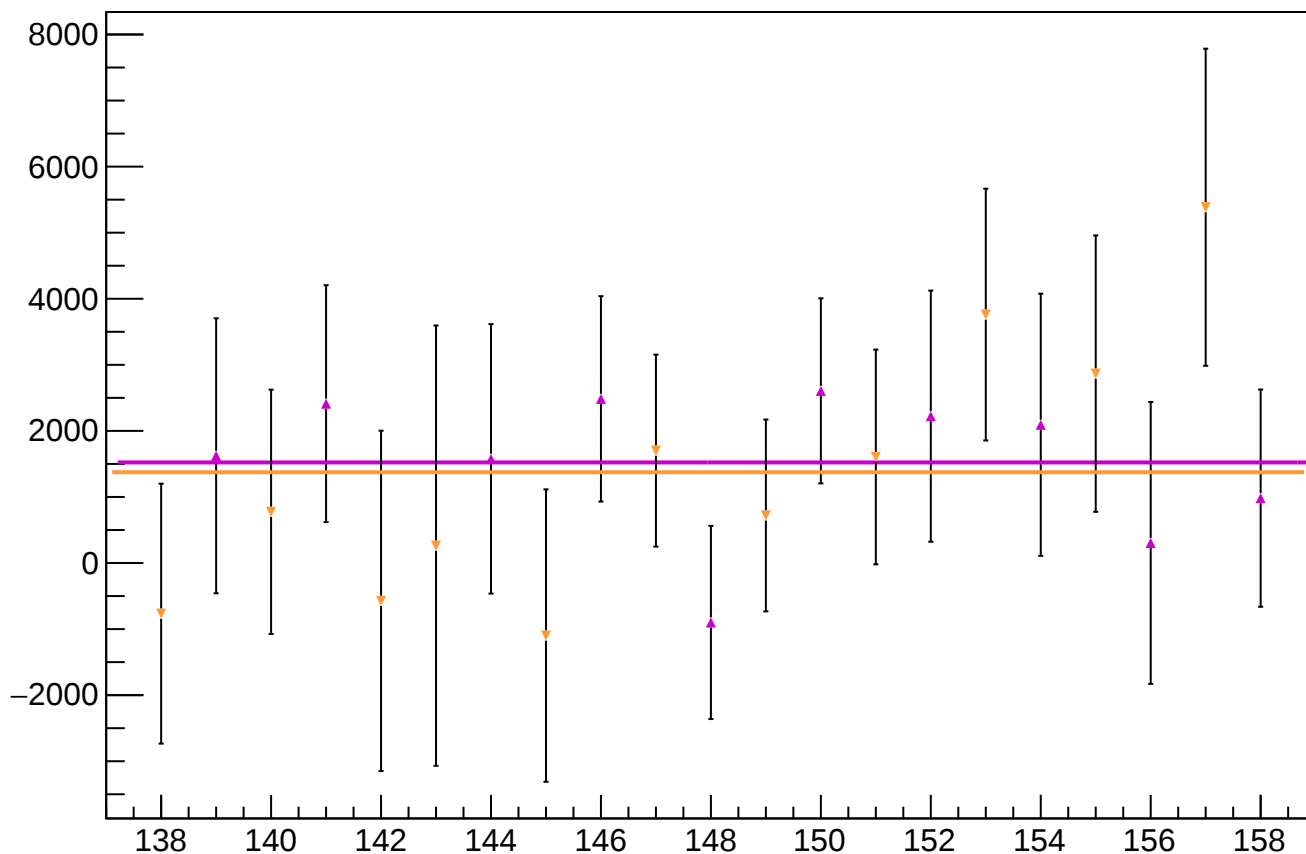
Left In: 1116.161+/-0.279 χ^2/NDF : 8927.5/9

1119.661+/-0.277 χ^2/NDF : 10878.0/10

1117.922+/-0.197 χ^2/NDF : 19884.7/20

1116.161+/-0.279 χ^2/NDF : 8927.5/9

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

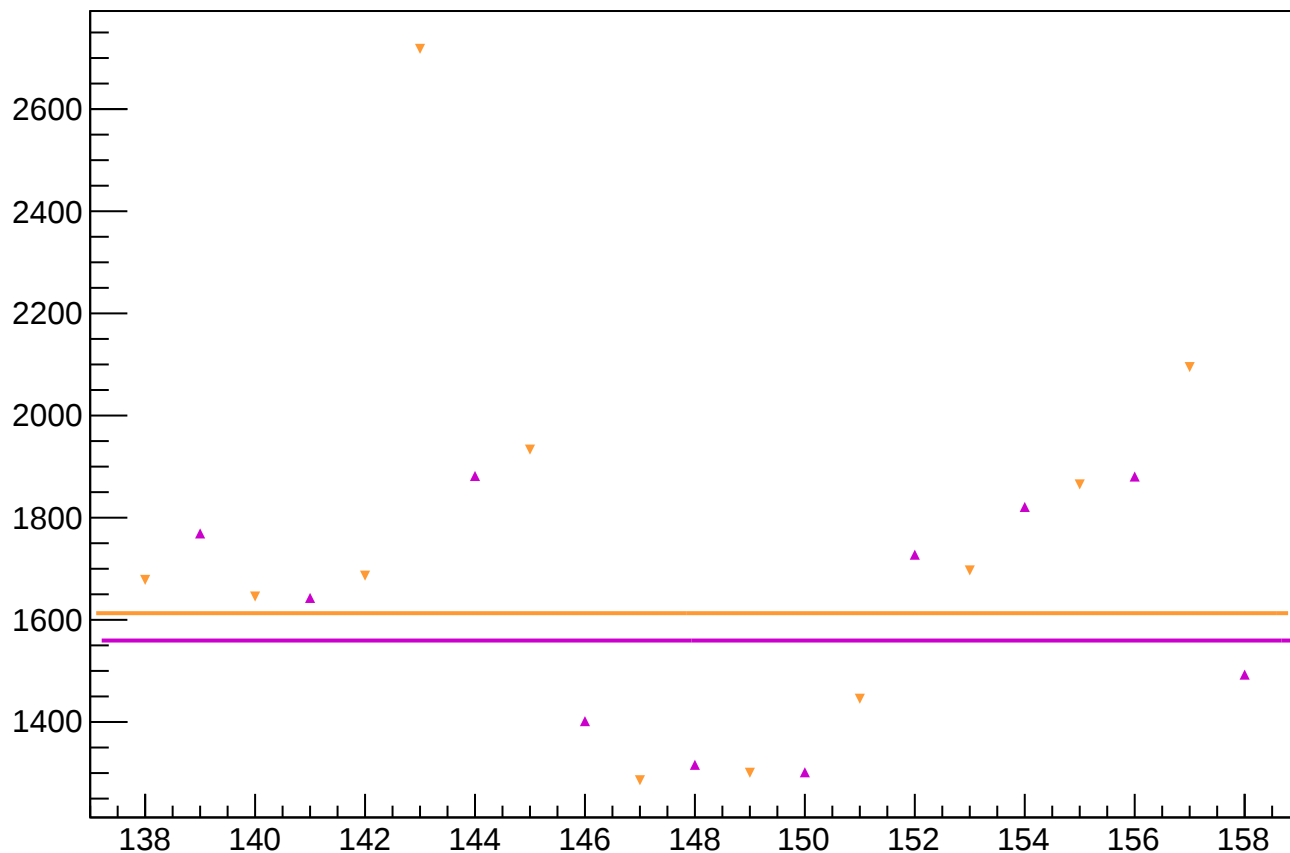
Left In: 1522.830+/-550.918 χ^2/NDF : 4.6/9

1374.194+/-577.339 χ^2/NDF : 8.4/10

1451.991+/-398.571 χ^2/NDF : 13.0/20

1522.830+/-550.918 χ^2/NDF : 4.6/9

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

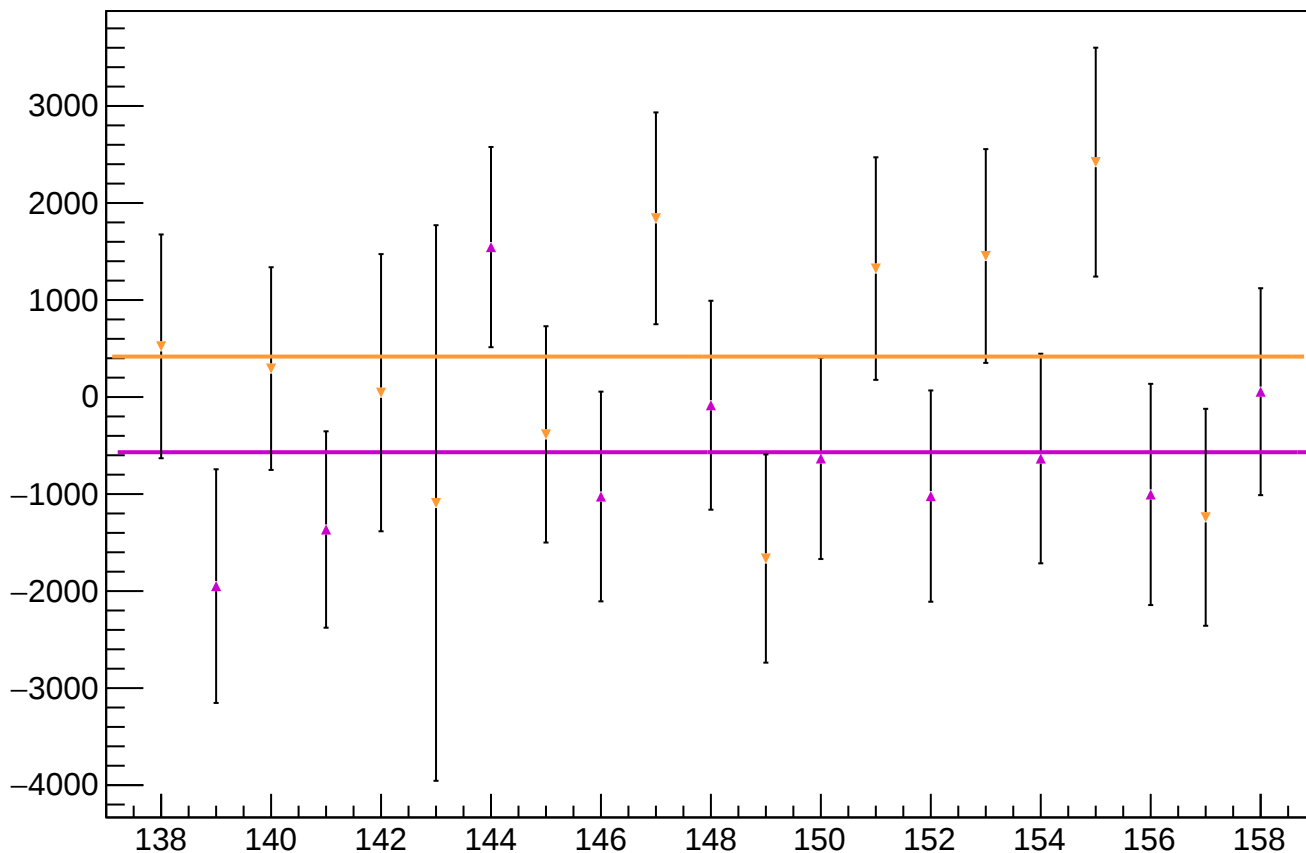
Left In: 1559.500+/-0.390 χ^2/NDF : 317457.5/9

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

1585.018+/-0.282 χ^2/NDF : 921377.9/20

1559.500+/-0.390 χ^2/NDF : 317457.5/9

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 417.329+/-355.895 χ^2/NDF : 12.9/10

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

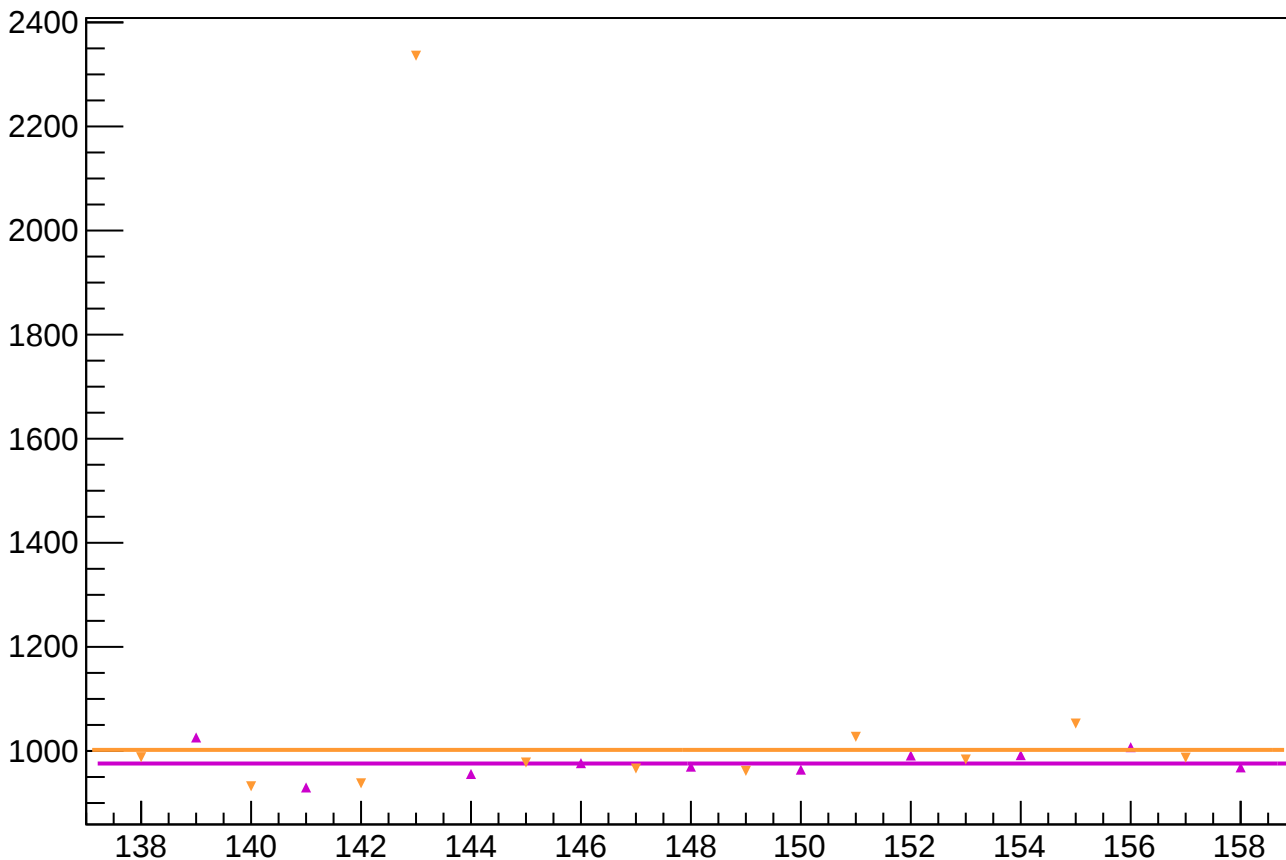
Left In: -568.609+/-340.937 χ^2/NDF : 7.2/9

417.329+/-355.895 χ^2/NDF : 12.9/10

-96.794+/-246.197 χ^2/NDF : 24.1/20

-568.609+/-340.937 χ^2/NDF : 7.2/9

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

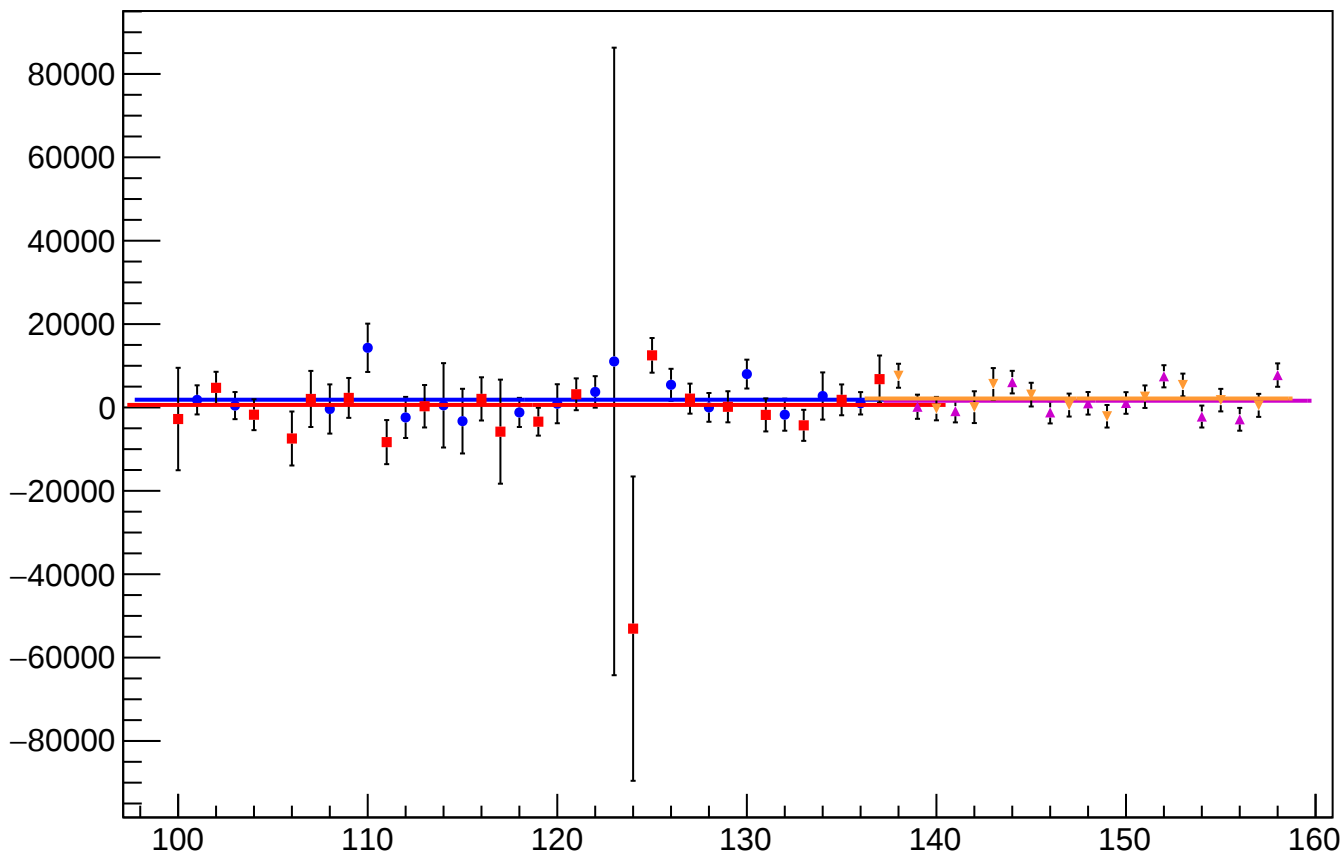
Left In: 975.889+/-0.241 χ^2/NDF : 11127.6/9

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

988.418+/-0.174 χ^2/NDF : 475620.1/20

975.889+/-0.241 χ^2/NDF : 11127.6/9

reg_asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 2149.933 $\pm$ 871.295 χ^2/NDF : 10.2/10

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

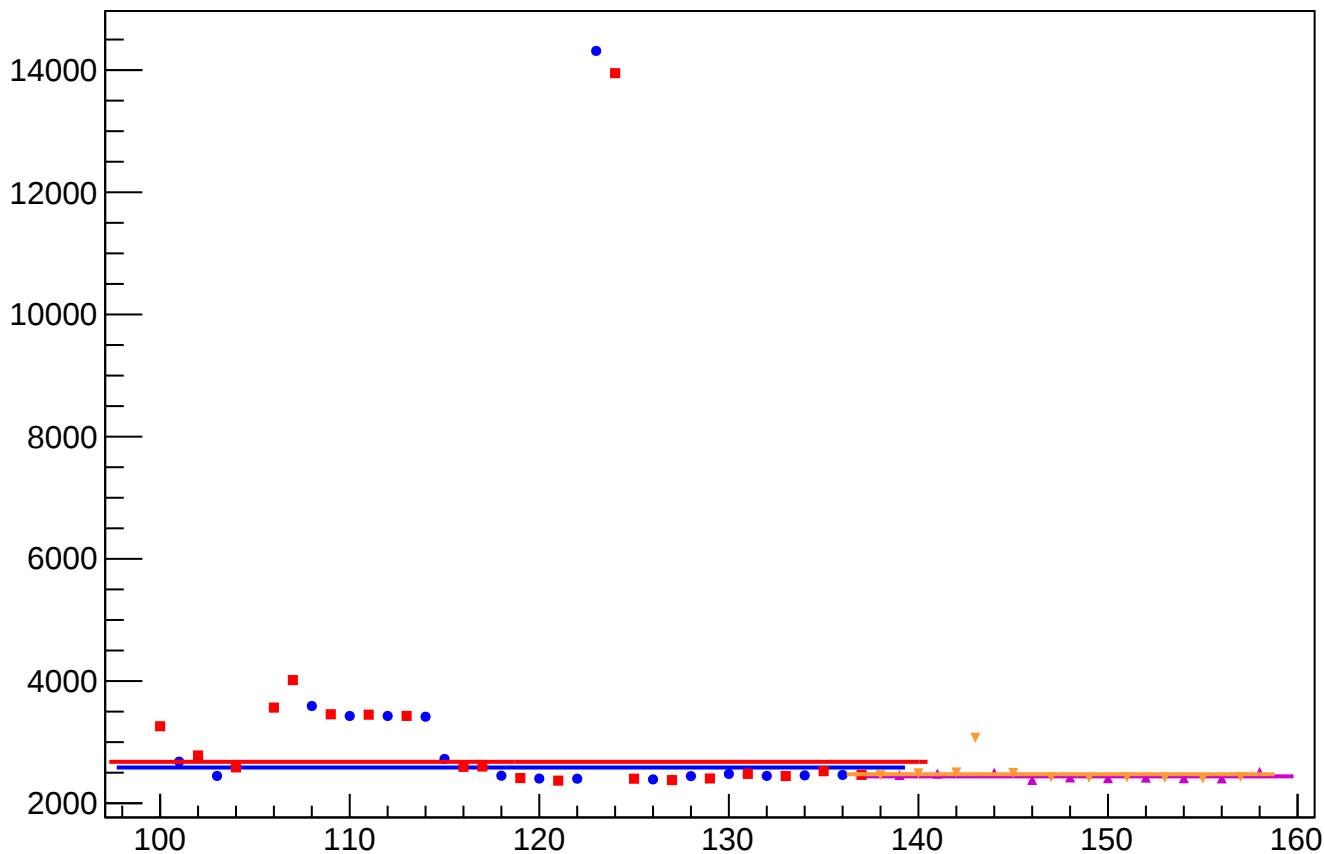
Left In: 1614.795 $\pm$ 855.485 χ^2/NDF : 19.4/9

2026.610 $\pm$ 660.687 χ^2/NDF : 22.8/27

1610.314 $\pm$ 465.352 χ^2/NDF : 65.9/57

1200.458 $\pm$ 655.557 χ^2/NDF : 42.3/29

reg_asym_atl1_rms vs Slug, Sign Corrected



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

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

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

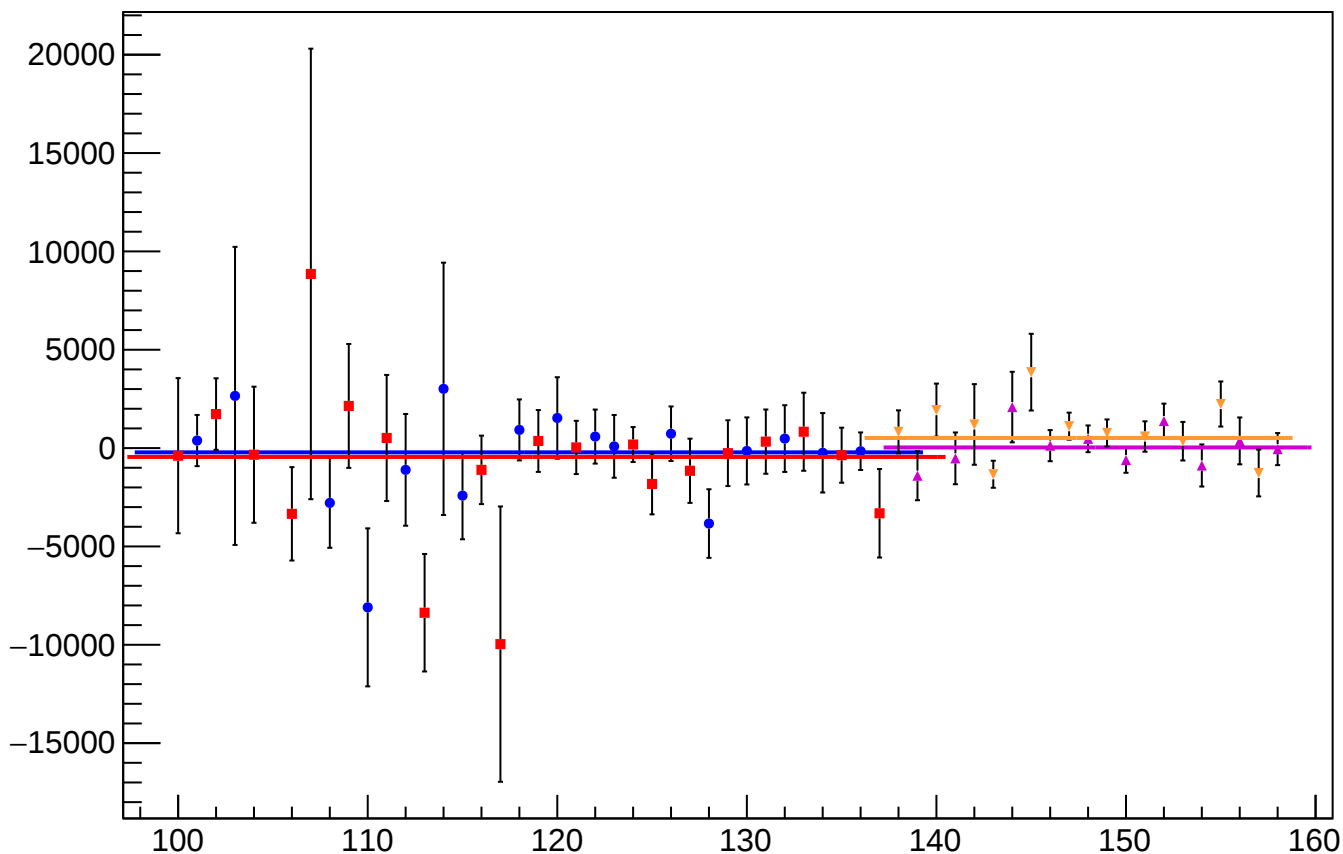
Left In: 2439.916+/-0.605 χ^2/NDF : 4923.8/9

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

2529.945+/-0.329 χ^2/NDF : 925276.8/57

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

asym_atl1_correction_mean vs Slug, Sign Corrected



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

Left Out: 514.479 ± 283.619 χ^2/NDF : 16.9/10

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

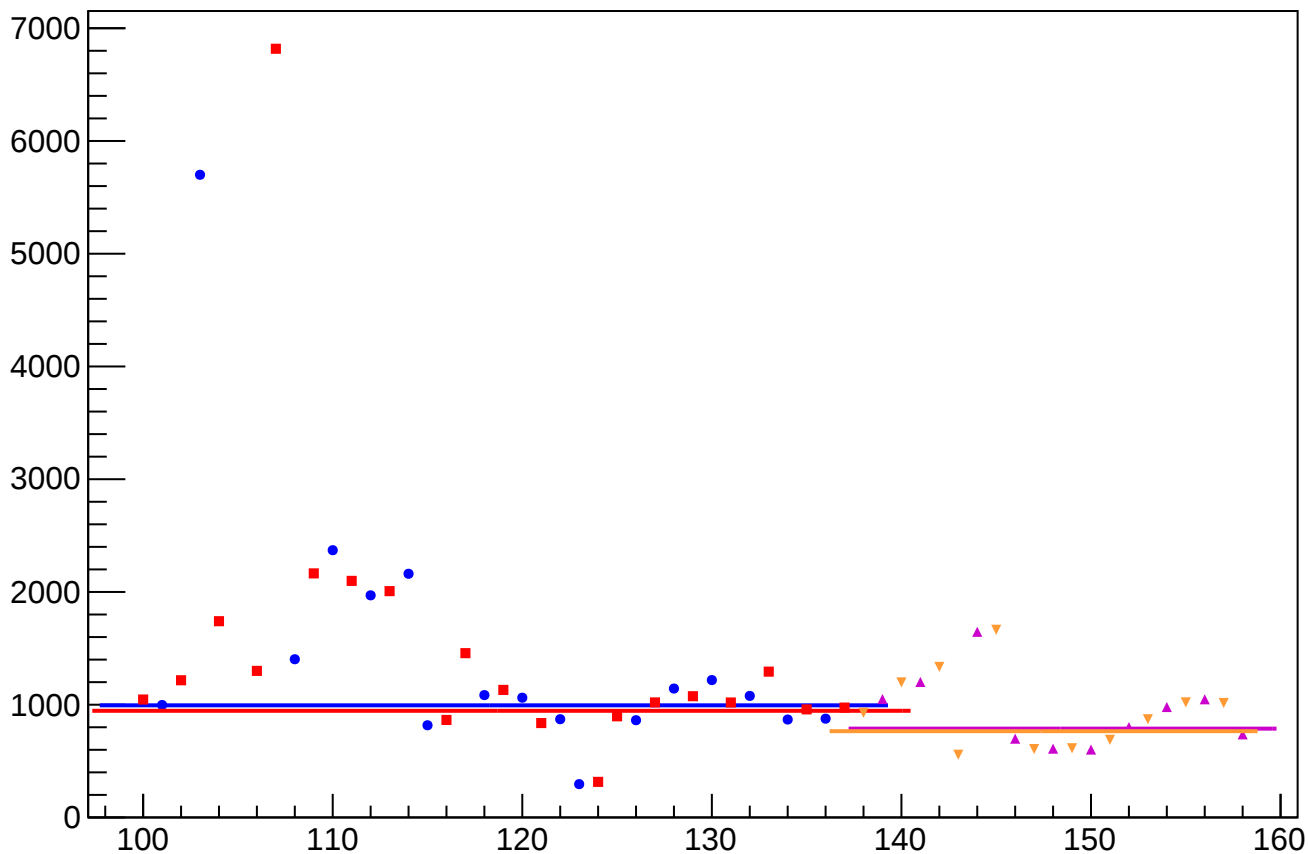
Left In: 31.801 ± 288.353 χ^2/NDF : 7.3/9

285.439 ± 235.060 χ^2/NDF : 32.4/27

78.913 ± 166.379 χ^2/NDF : 59.7/57

-128.445 ± 235.533 χ^2/NDF : 25.8/29

asym_atl1_correction_rms vs Slug, Sign Corrected



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

Left Out: 765.236 $\pm$ 0.201 χ^2 /NDF: 1450450.9/10

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

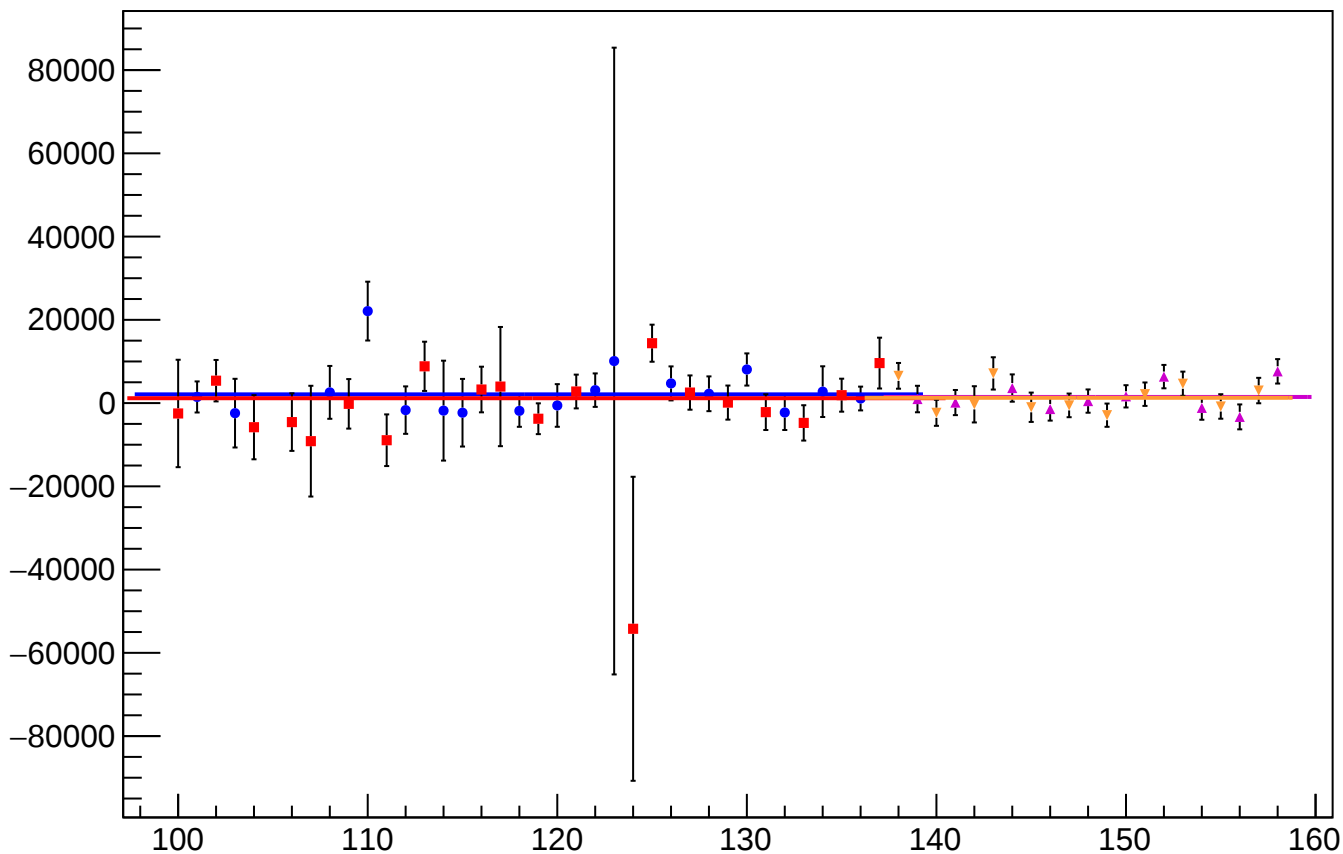
Left In: 787.778 $\pm$ 0.204 χ^2 /NDF: 1238076.2/9

837.034 $\pm$ 0.166 χ^2 /NDF: 3764338.9/27

838.737 $\pm$ 0.118 χ^2 /NDF: 7879817.7/57

840.446 $\pm$ 0.167 χ^2 /NDF: 4115268.6/29

asym_atl1_mean vs Slug, Sign Corrected



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

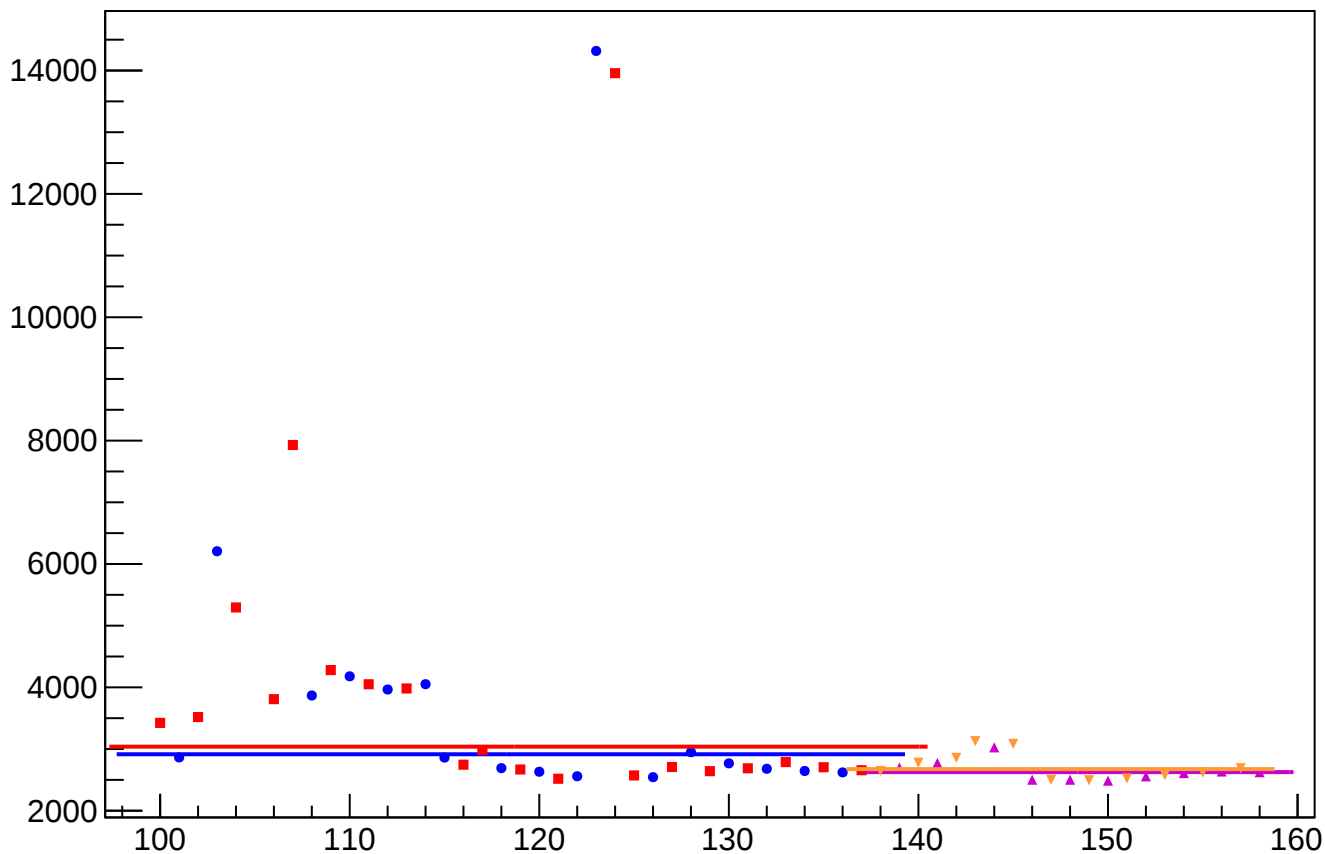
Left In: 1472.137+/-922.071 χ^2/NDF : 12.7/9

1599.590+/-731.619 χ^2/NDF : 26.9/27

1477.480+/-515.779 χ^2/NDF : 64.9/57

1356.827+/-727.243 χ^2/NDF : 37.9/29

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2915.201 $\pm$ 0.821 χ^2/NDF : 639136.4/16

Left Out: 2674.342 $\pm$ 0.666 χ^2/NDF : 84700.1/10

Right Out: 3038.763 $\pm$ 0.836 χ^2/NDF : 1011412.5/19

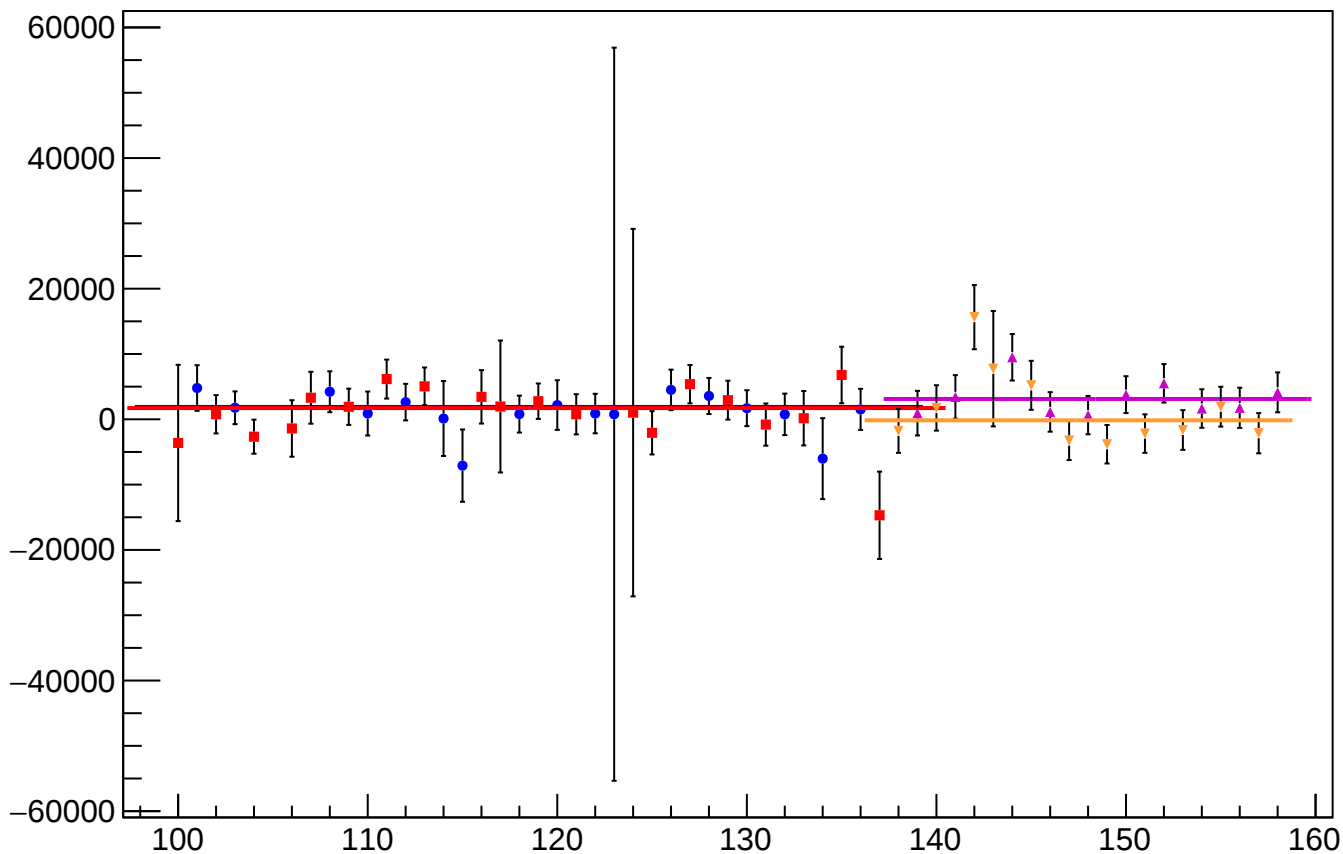
Left In: 2625.942 $\pm$ 0.652 χ^2/NDF : 50385.1/9

2770.083 $\pm$ 0.517 χ^2/NDF : 775749.7/27

2776.060 $\pm$ 0.365 χ^2/NDF : 1989325.3/57

2781.965 $\pm$ 0.514 χ^2/NDF : 1213310.3/29

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1889.943 $\pm$ 811.431 χ^2 /NDF: 7.3/16

Left Out: -153.727 $\pm$ 1020.499 χ^2 /NDF:17.9/10

Right Out: 1720.591 $\pm$ 787.704 χ^2 /NDF: 19.0/19

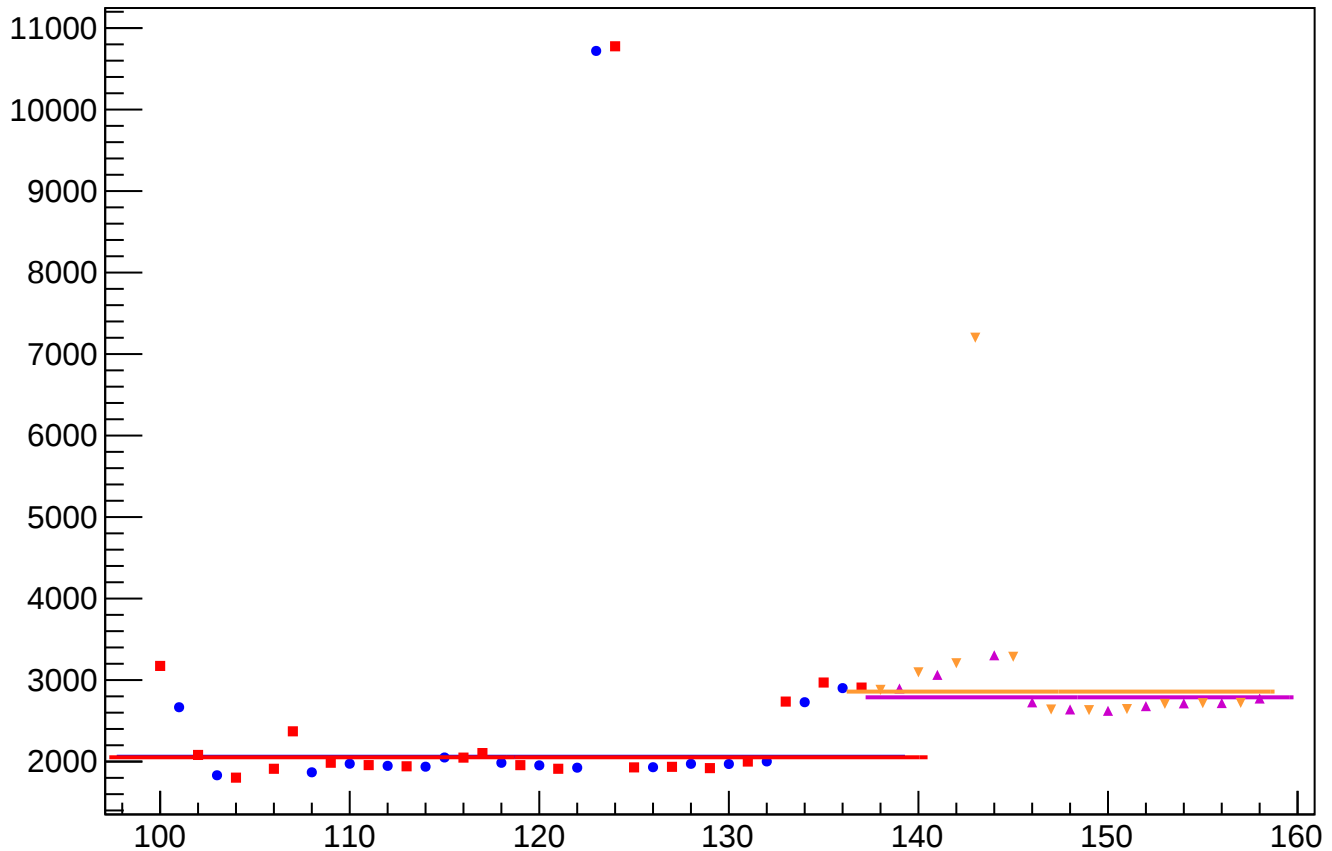
Left In: 3113.580 $\pm$ 977.007 χ^2 /NDF:6.0/9

1098.342 $\pm$ 635.127 χ^2 /NDF: 27.7/27

1704.391 $\pm$ 441.154 χ^2 /NDF: 55.6/57

2269.358 $\pm$ 613.222 χ^2 /NDF: 26.2/29

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2058.963 $\pm$ 0.574 $\chi^2/\text{NDF}: 318561.5/16$

Left Out: 2858.416 $\pm$ 0.722 $\chi^2/\text{NDF}: 574822.5/10$

Right Out: 2052.576 $\pm$ 0.557 $\chi^2/\text{NDF}: 443374.3/19$

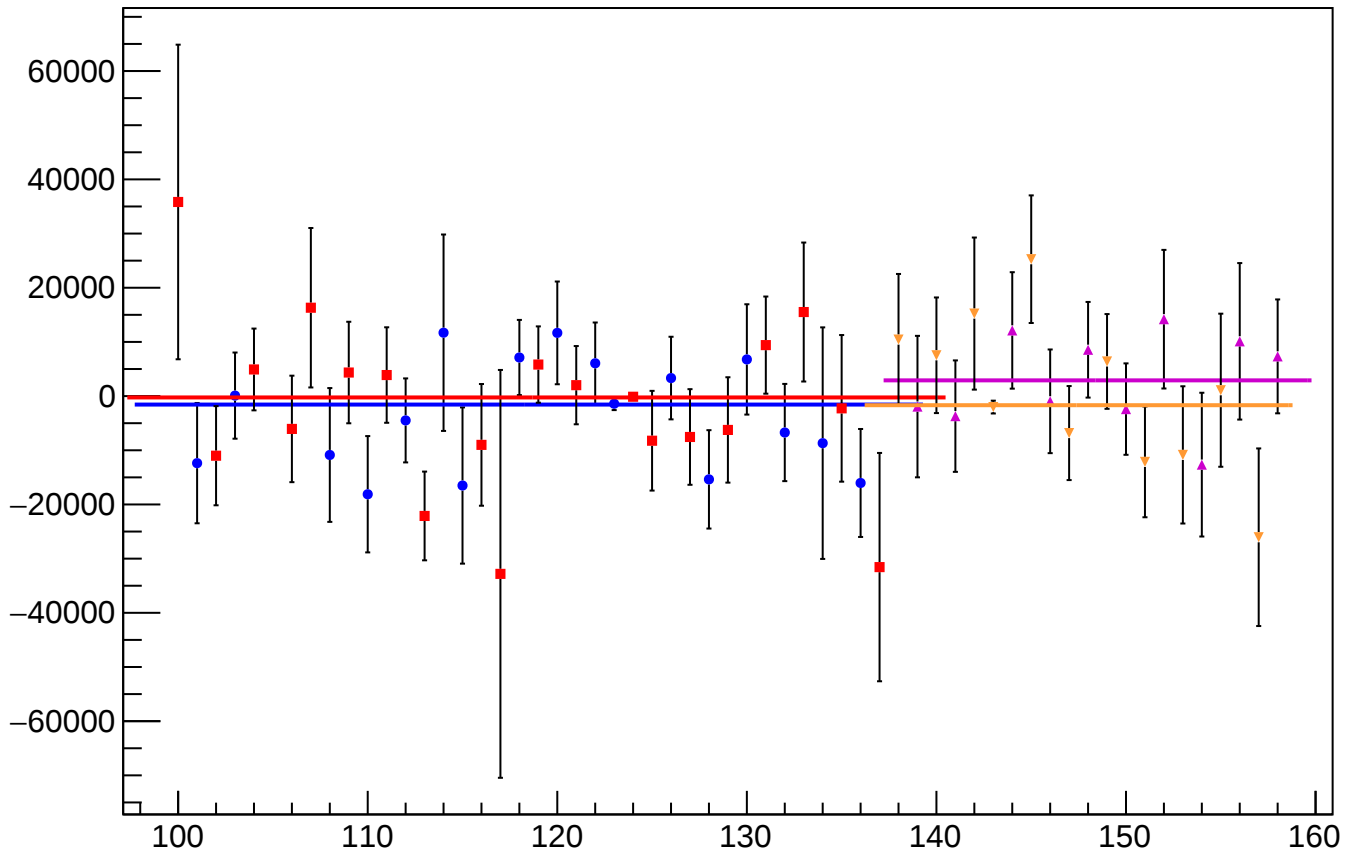
Left In: 2788.271 $\pm$ 0.691 $\chi^2/\text{NDF}: 75388.0/9$

2368.626 $\pm$ 0.449 $\chi^2/\text{NDF}: 1645368.3/27$

2355.053 $\pm$ 0.312 $\chi^2/\text{NDF}: 2853186.6/57$

2342.400 $\pm$ 0.434 $\chi^2/\text{NDF}: 1206053.5/29$

asym_atl2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1680.055 $\pm$ 1122.419 χ^2/NDF : 13.5/10

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

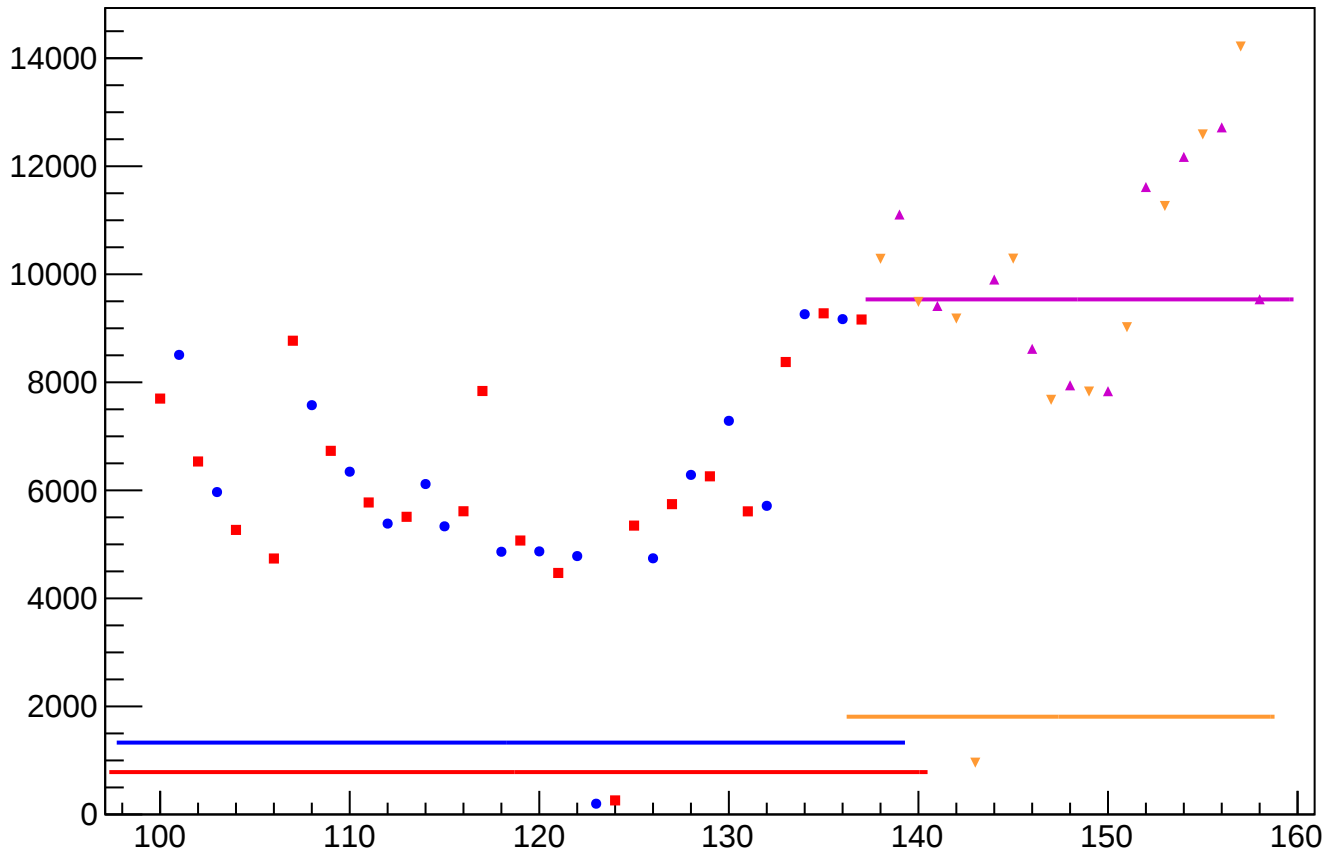
Left In: 2904.734 $\pm$ 3382.159 χ^2/NDF : 4.8/9

-1617.964 $\pm$ 768.319 χ^2/NDF : 29.7/27

-778.631 $\pm$ 509.553 χ^2/NDF : 59.1/57

-119.583 $\pm$ 680.821 χ^2/NDF : 27.2/29

asym_atl2_correction_rms vs Slug, Sign Corrected



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

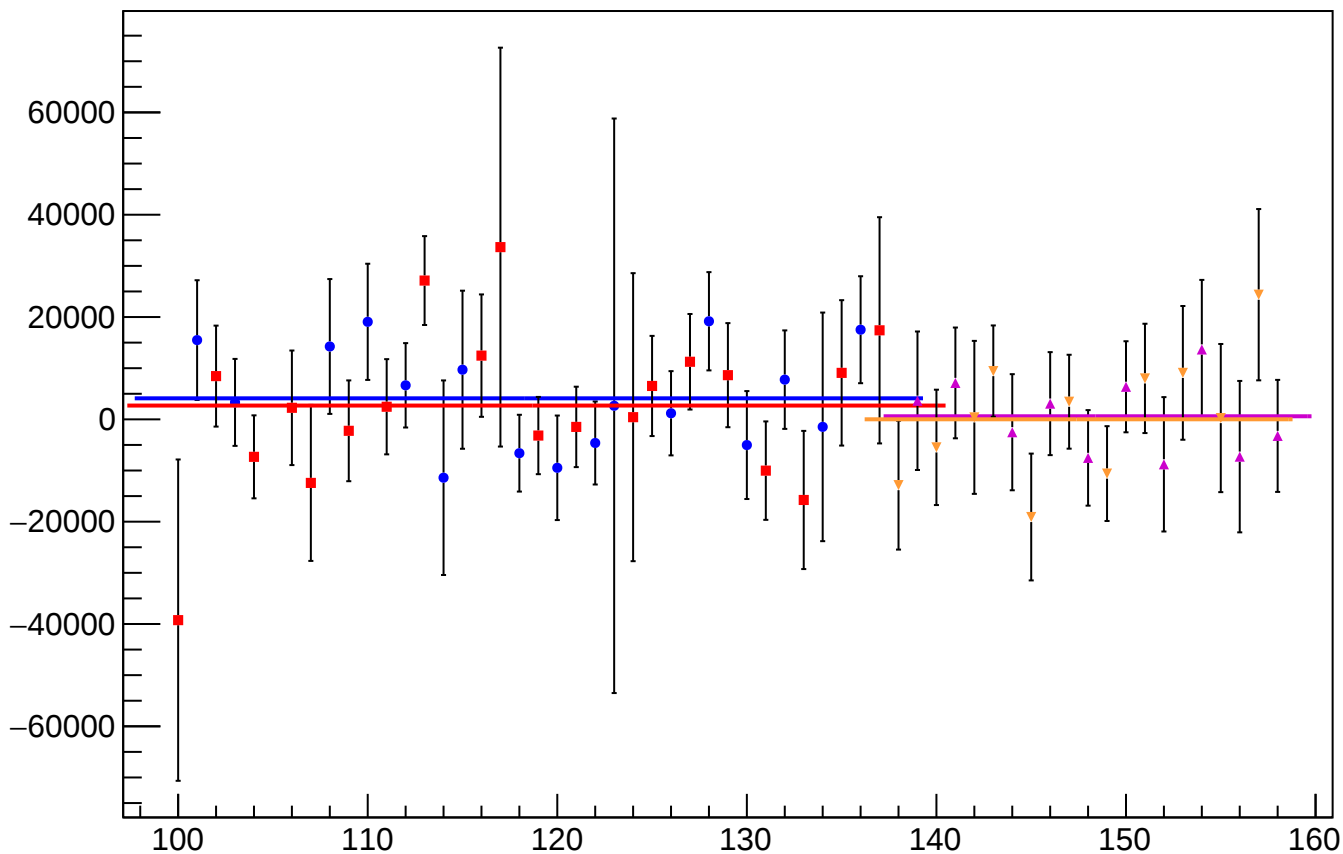
Left In: 9534.964+/-2.392 χ^2/NDF : 425170.3/9

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

1321.848+/-0.360 χ^2/NDF : 46272113.1/5

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

asym_atl2_mean vs Slug, Sign Corrected



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

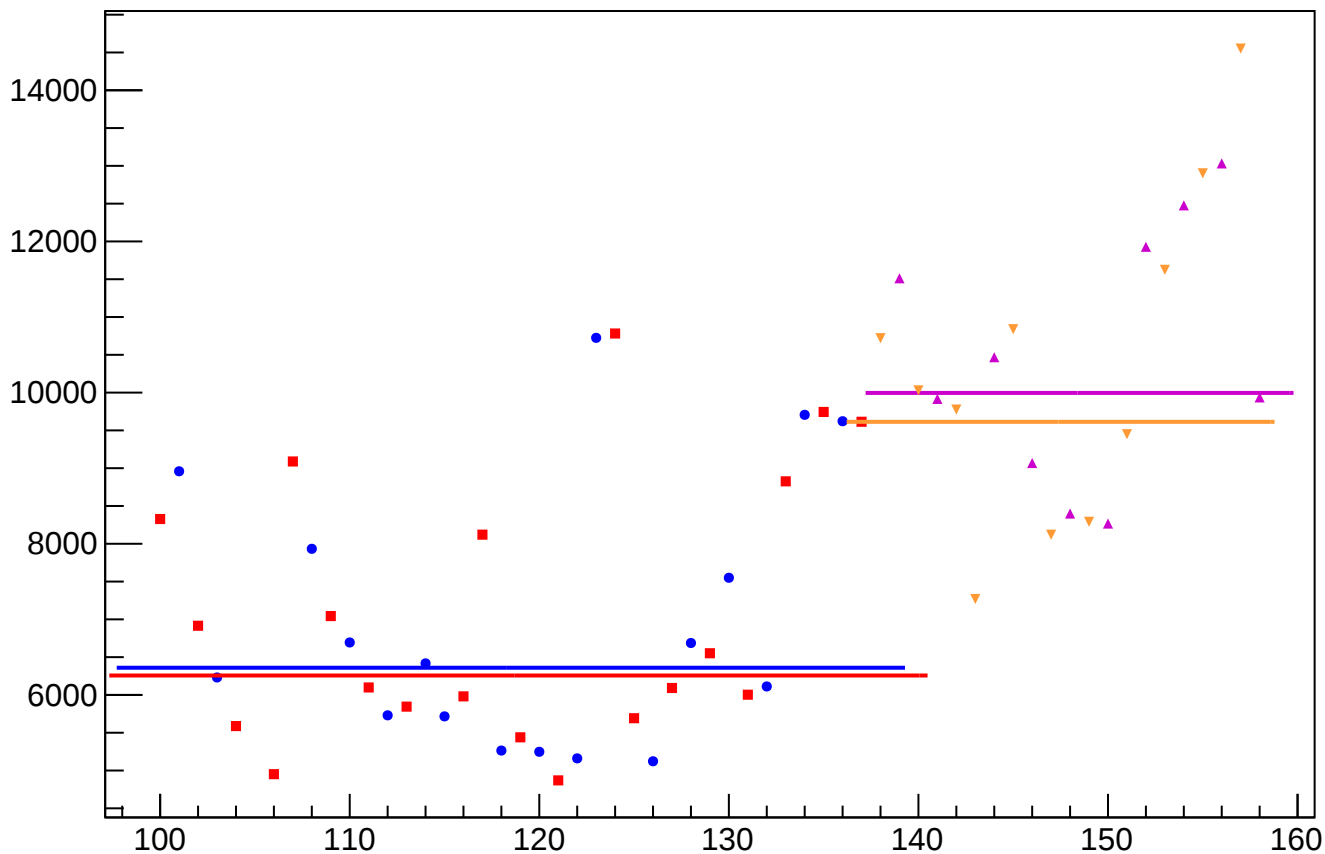
Left In: 603.967 ± 3539.297 χ^2/NDF : 3.6/9

2672.703 ± 2041.844 χ^2/NDF : 24.6/27

2344.892 ± 1427.069 χ^2/NDF : 49.1/57

2031.848 ± 1995.322 χ^2/NDF : 24.4/29

asym_atl2_rms vs Slug, Sign Corrected



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

Left Out: 9613.352 $\pm$ 2.437 χ^2/NDF : 594673.0/10

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

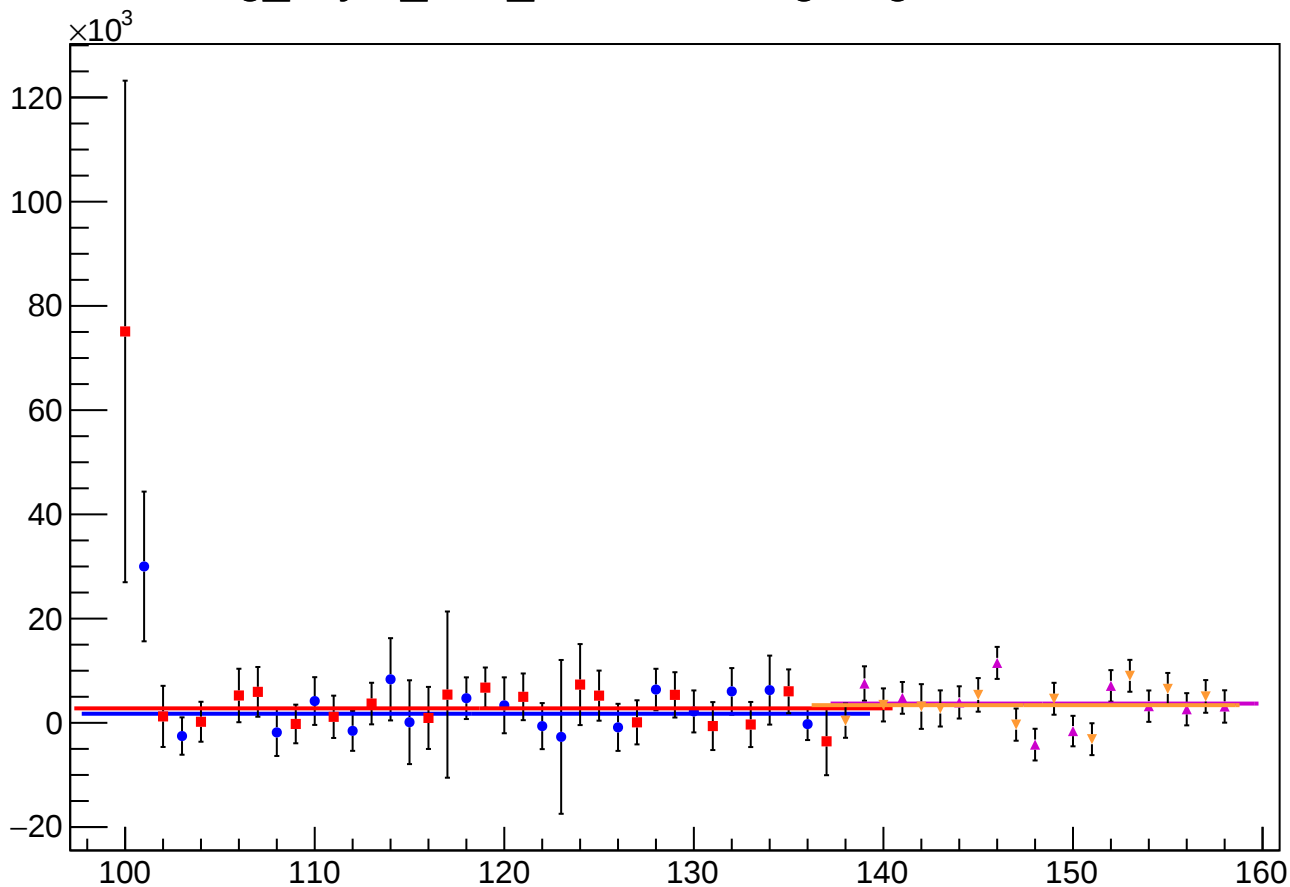
Left In: 9995.852 $\pm$ 2.503 χ^2/NDF : 373731.6/9

7501.703 $\pm$ 1.444 χ^2/NDF : 2331762.0/27

7472.899 $\pm$ 1.009 χ^2/NDF : 4766212.2/57

7445.395 $\pm$ 1.411 χ^2/NDF : 2433672.1/29

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1746.001 $\pm$ 1128.522 χ^2 /NDF: 12.2/16

Left Out: 3390.297 $\pm$ 971.348 χ^2 /NDF: 12.1/10

Right Out: 2775.793 $\pm$ 1069.534 χ^2 /NDF: 9.7/19

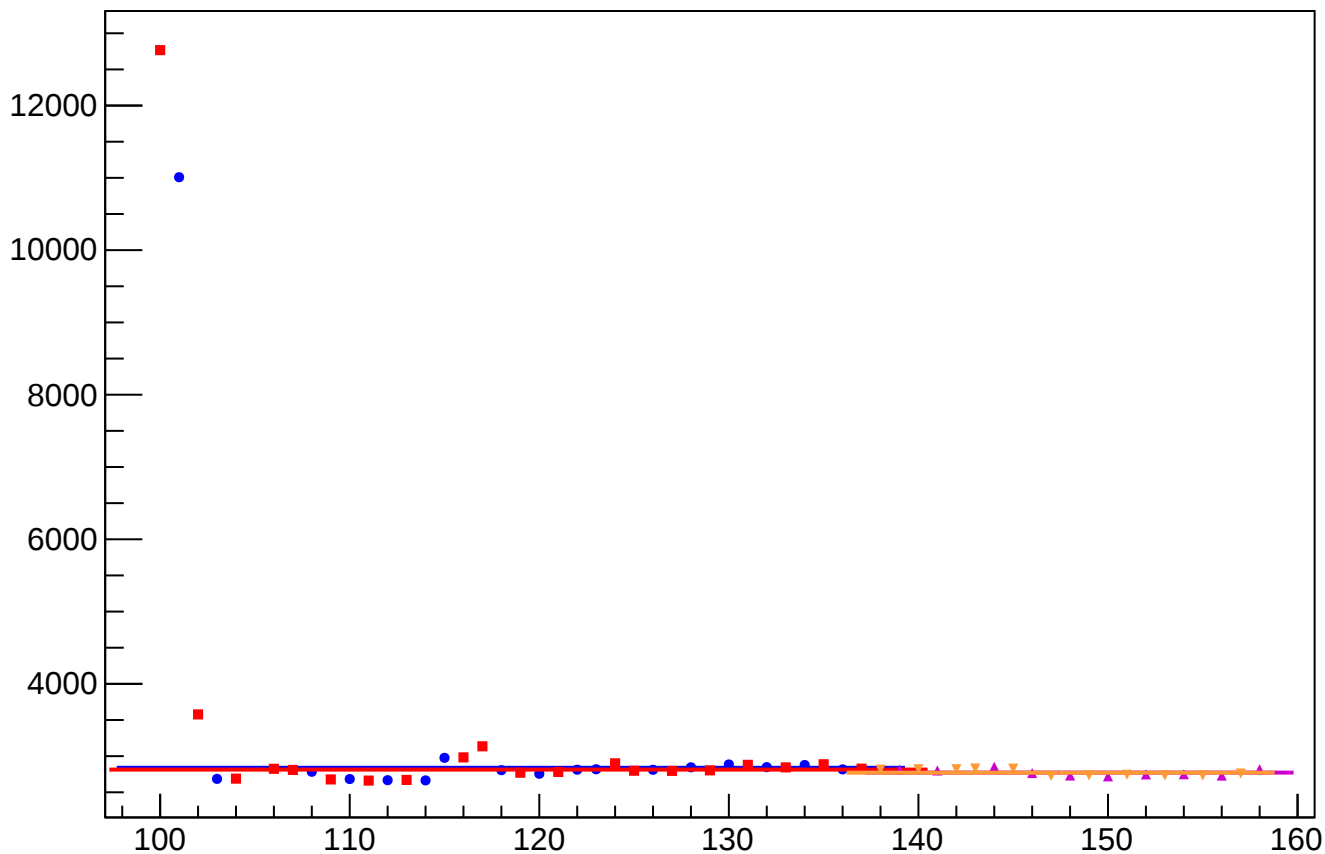
Left In: 3694.981 $\pm$ 969.833 χ^2 /NDF: 19.3/9

2690.538 $\pm$ 736.197 χ^2 /NDF: 25.6/27

2992.574 $\pm$ 514.178 χ^2 /NDF: 55.4/57

3280.217 $\pm$ 718.444 χ^2 /NDF: 29.5/29

reg_asym_atr1_rms vs Slug, Sign Corrected



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

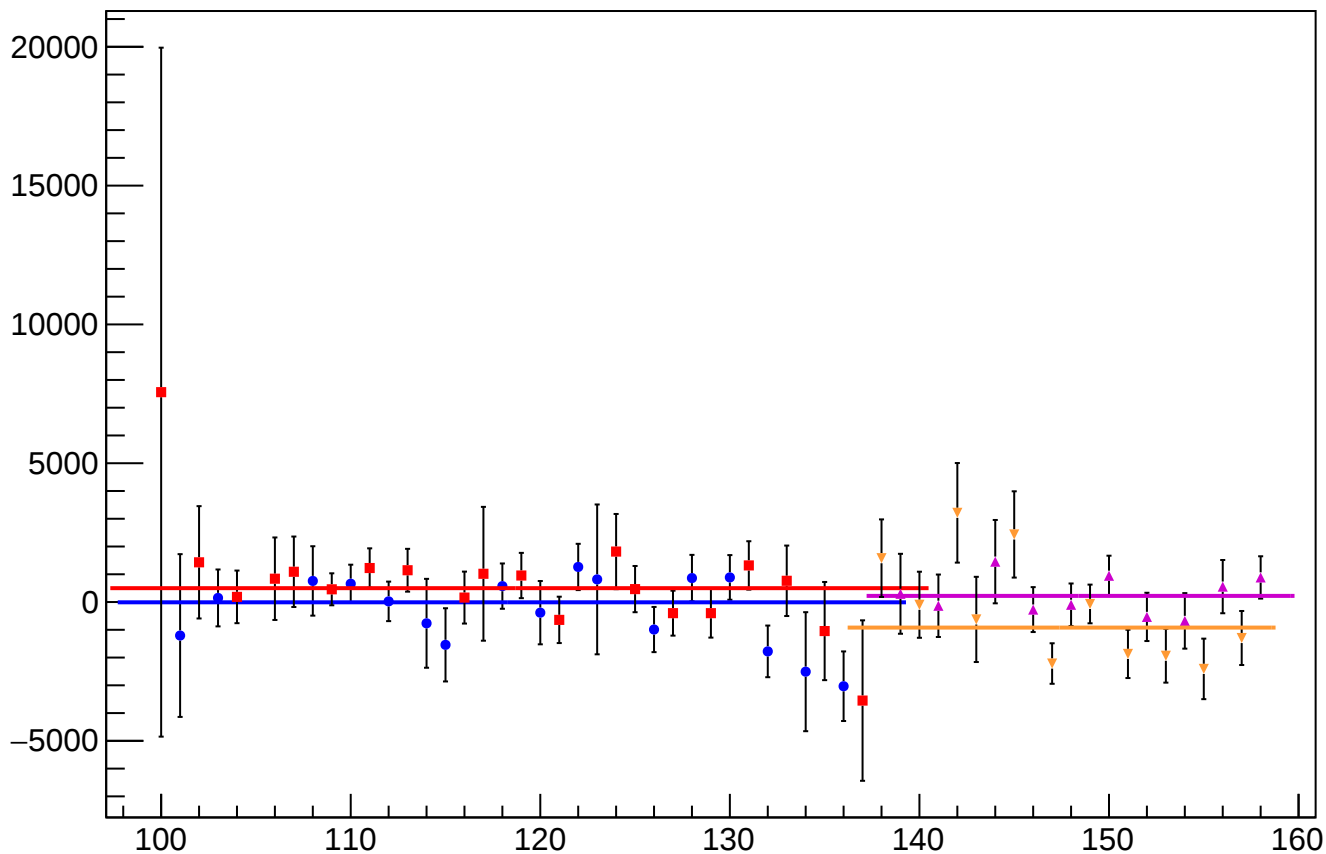
Left In: 2772.602+/-0.686 χ^2/NDF : 3965.3/9

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

2795.553+/-0.364 χ^2/NDF : 807690.8/57

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

asym_atr1_correction_mean vs Slug, Sign Corrected



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

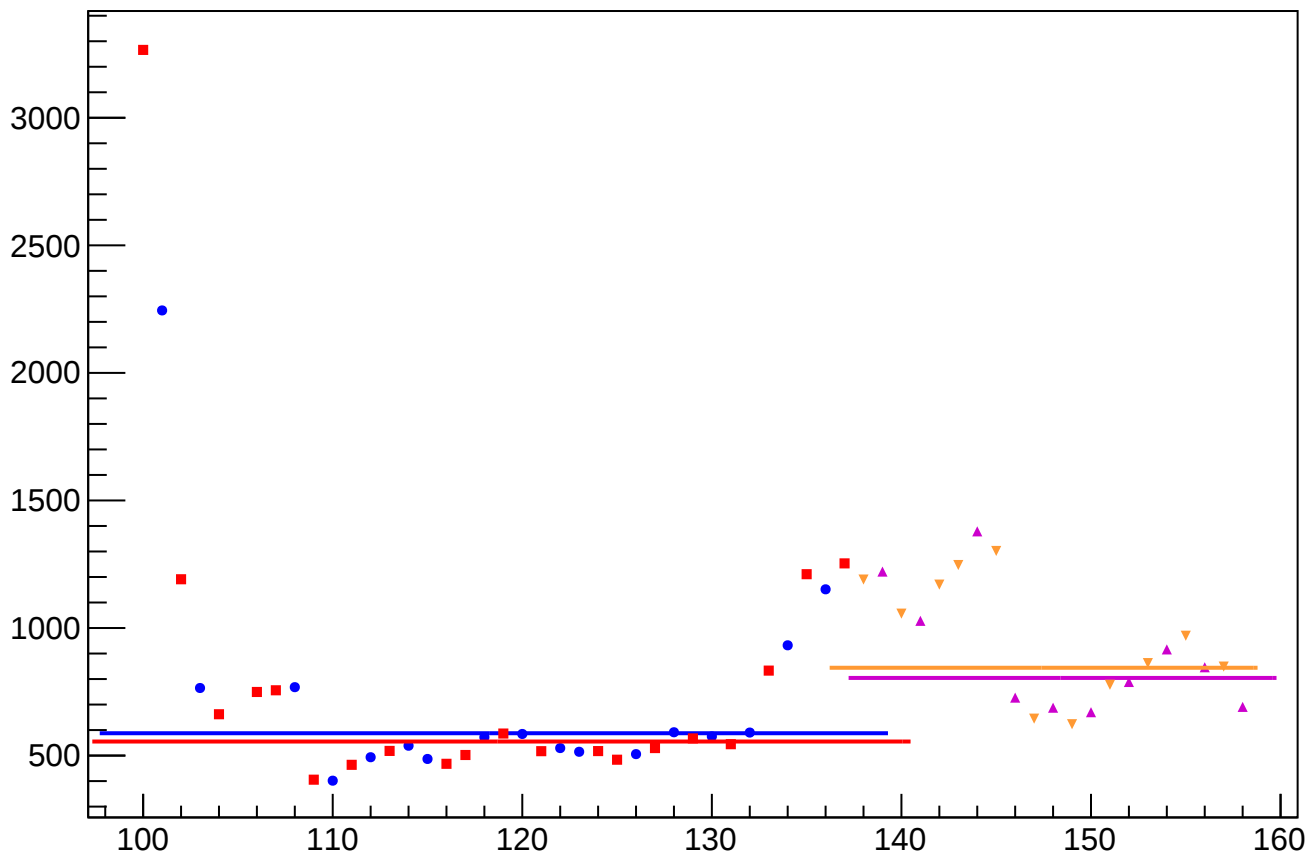
Left In: 221.478 ± 288.709 χ^2/NDF : 4.8/9

-357.826 ± 189.960 χ^2/NDF : 48.8/27

49.970 ± 128.814 χ^2/NDF : 74.6/57

397.119 ± 175.266 χ^2/NDF : 17.3/29

asym_atr1_correction_rms vs Slug, Sign Corrected



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

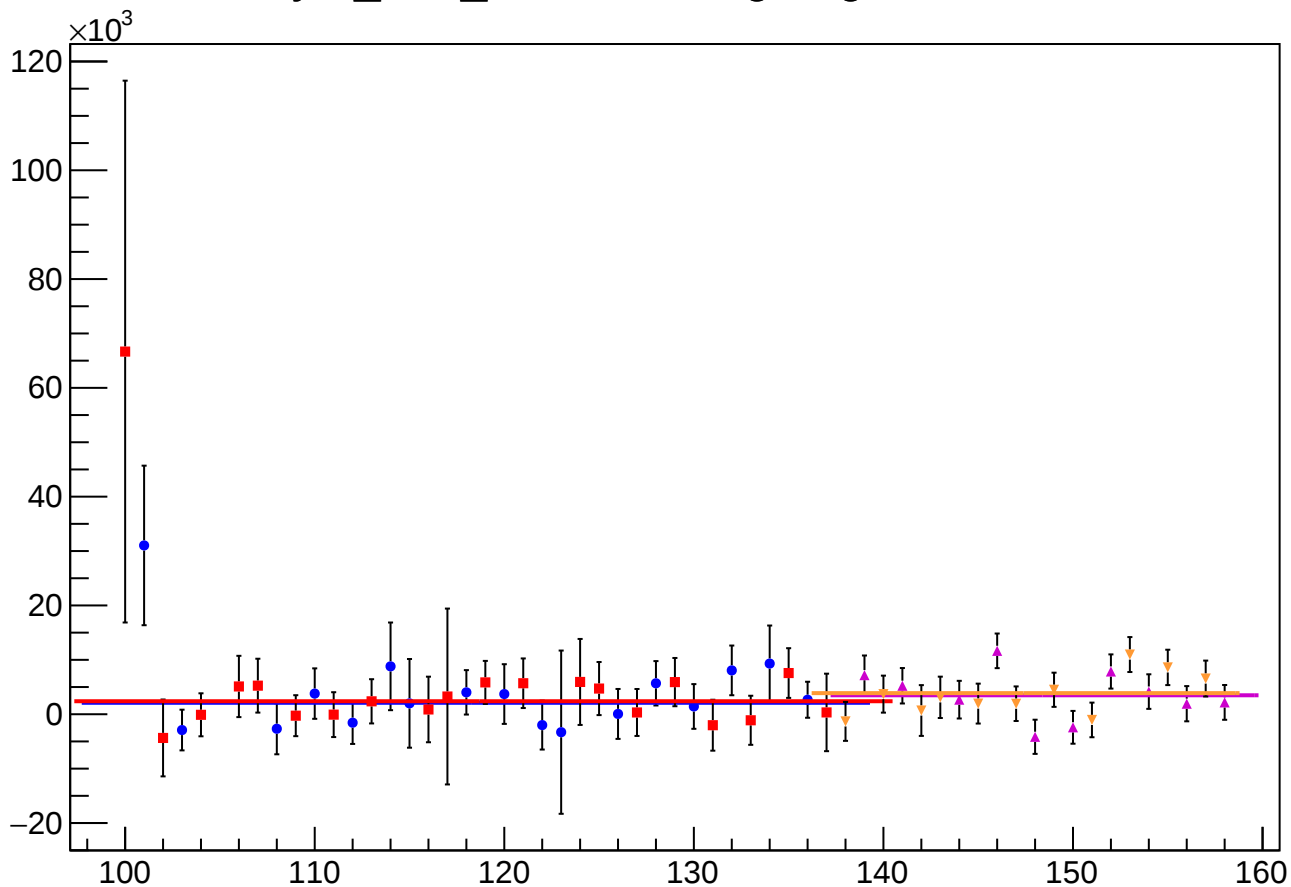
Left In: 804.360+/-0.204 χ^2/NDF : 747375.5/9

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

664.764+/-0.091 χ^2/NDF : 6082915.8/57

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

asym_atr1_mean vs Slug, Sign Corrected



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

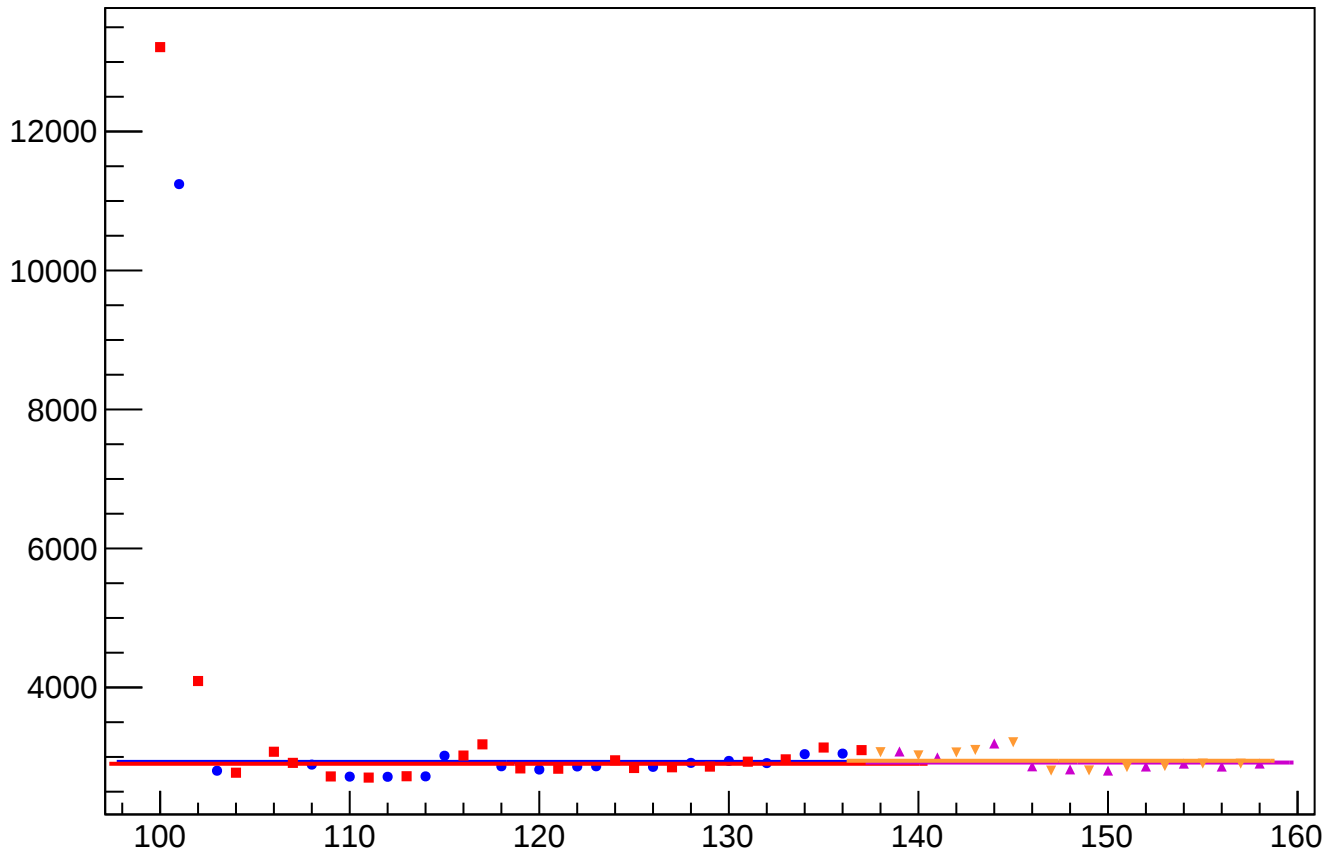
Left In: 3484.875 $\pm$ 1021.827 χ^2 /NDF: 20.1/9

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

3038.589 $\pm$ 538.616 χ^2 /NDF: 58.7/57

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

asym_atr1_rms vs Slug, Sign Corrected



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

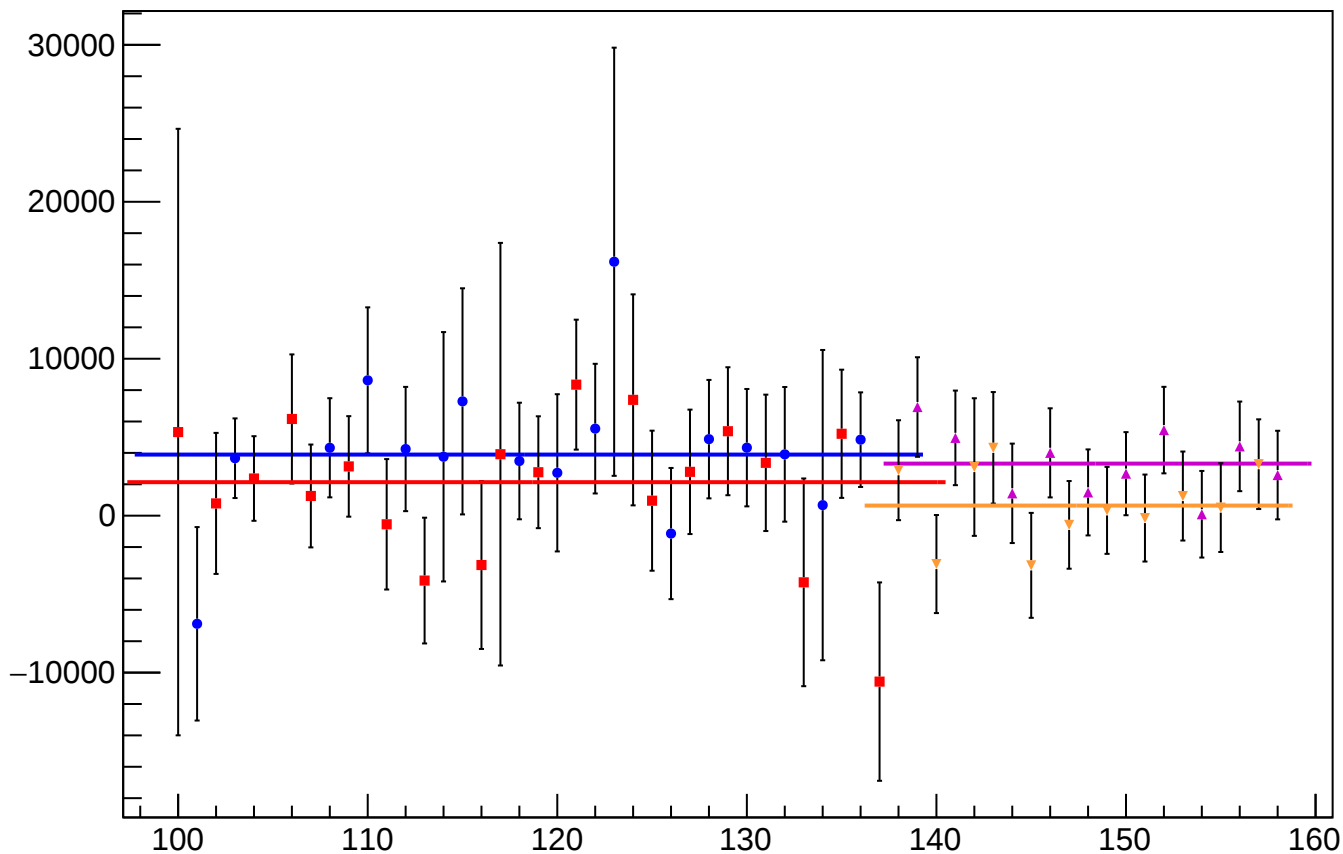
Left In: 2919.408+/-0.723 χ^2/NDF : 24321.4/9

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

2924.222+/-0.381 χ^2/NDF : 888584.0/57

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

reg_asym_atr2_mean vs Slug, Sign Corrected



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

Left Out: 643.503 $\pm$ 919.642 χ^2 /NDF: 5.8/10

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

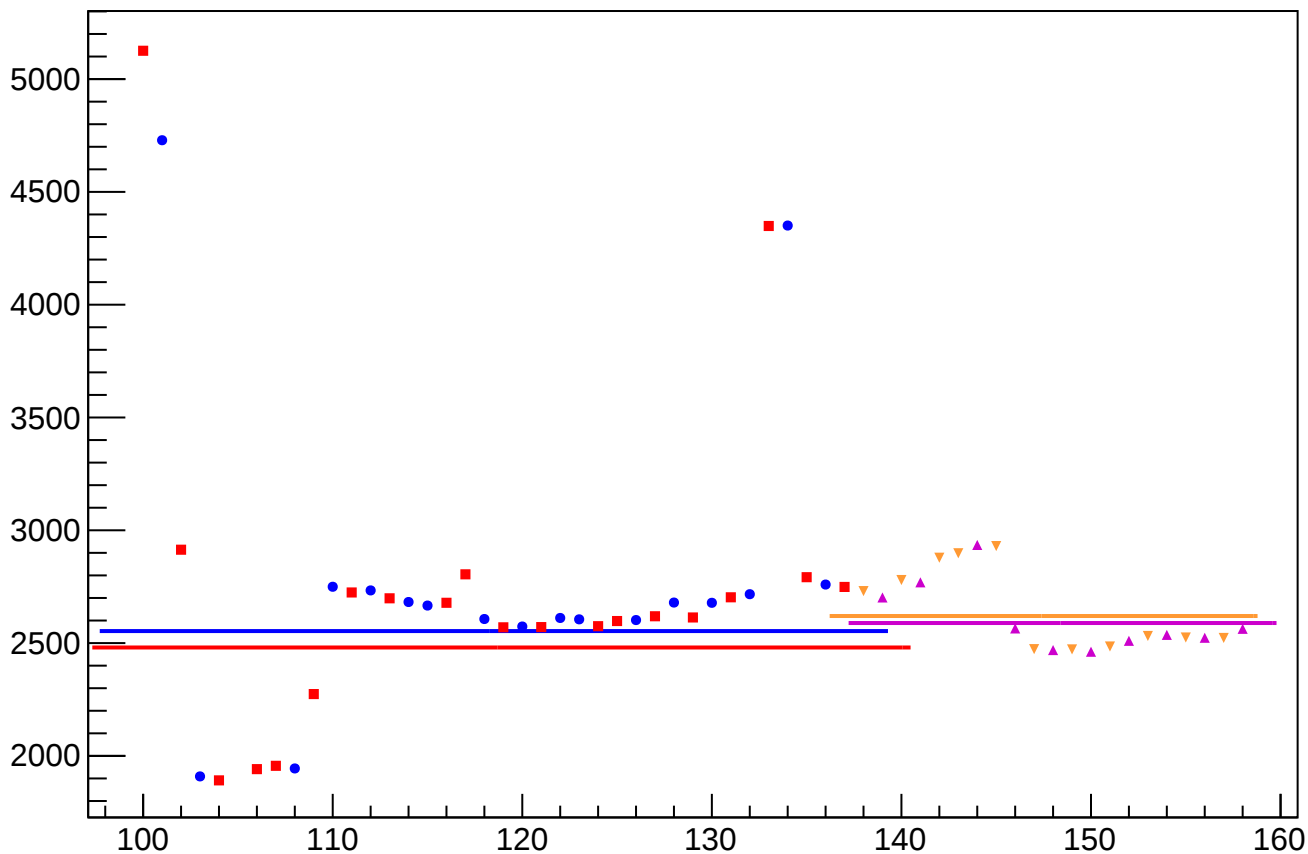
Left In: 3317.119 $\pm$ 905.251 χ^2 /NDF: 4.7/9

2113.461 $\pm$ 680.514 χ^2 /NDF: 18.6/27

2446.732 $\pm$ 472.782 χ^2 /NDF: 38.9/57

2757.669 $\pm$ 657.318 χ^2 /NDF: 19.9/29

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2553.280 $\pm$ 0.715 χ^2/NDF : 545226.9/16

Left Out: 2620.003 $\pm$ 0.650 χ^2/NDF : 66536.6/10

Right Out: 2480.504 $\pm$ 0.676 χ^2/NDF : 450669.1/19

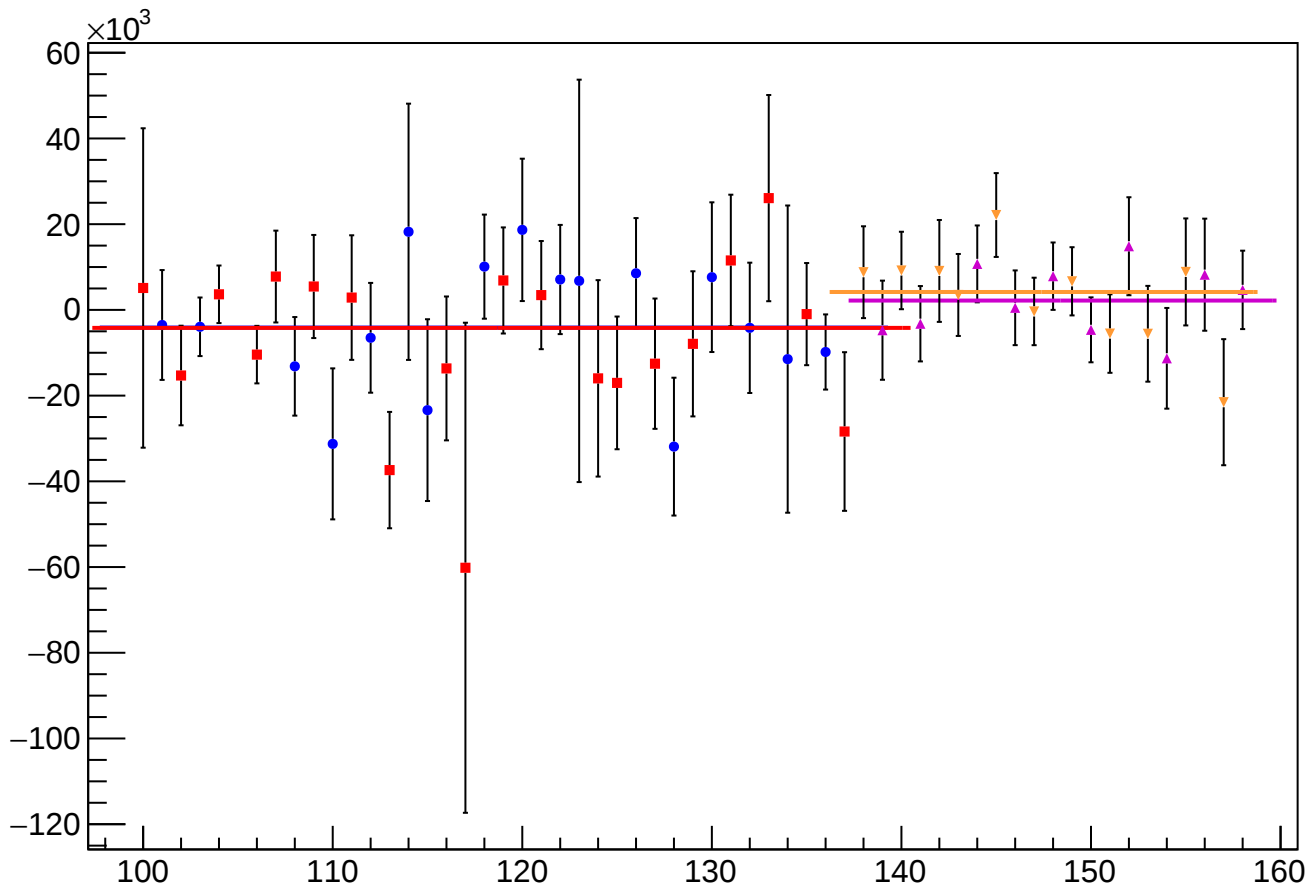
Left In: 2588.970 $\pm$ 0.640 χ^2/NDF : 45752.4/9

2589.815 $\pm$ 0.481 χ^2/NDF : 616526.6/27

2562.850 $\pm$ 0.334 χ^2/NDF : 1132592.6/57

2537.692 $\pm$ 0.465 χ^2/NDF : 509995.8/29

asym_atr2_correction_mean vs Slug, Sign Corrected



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

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

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

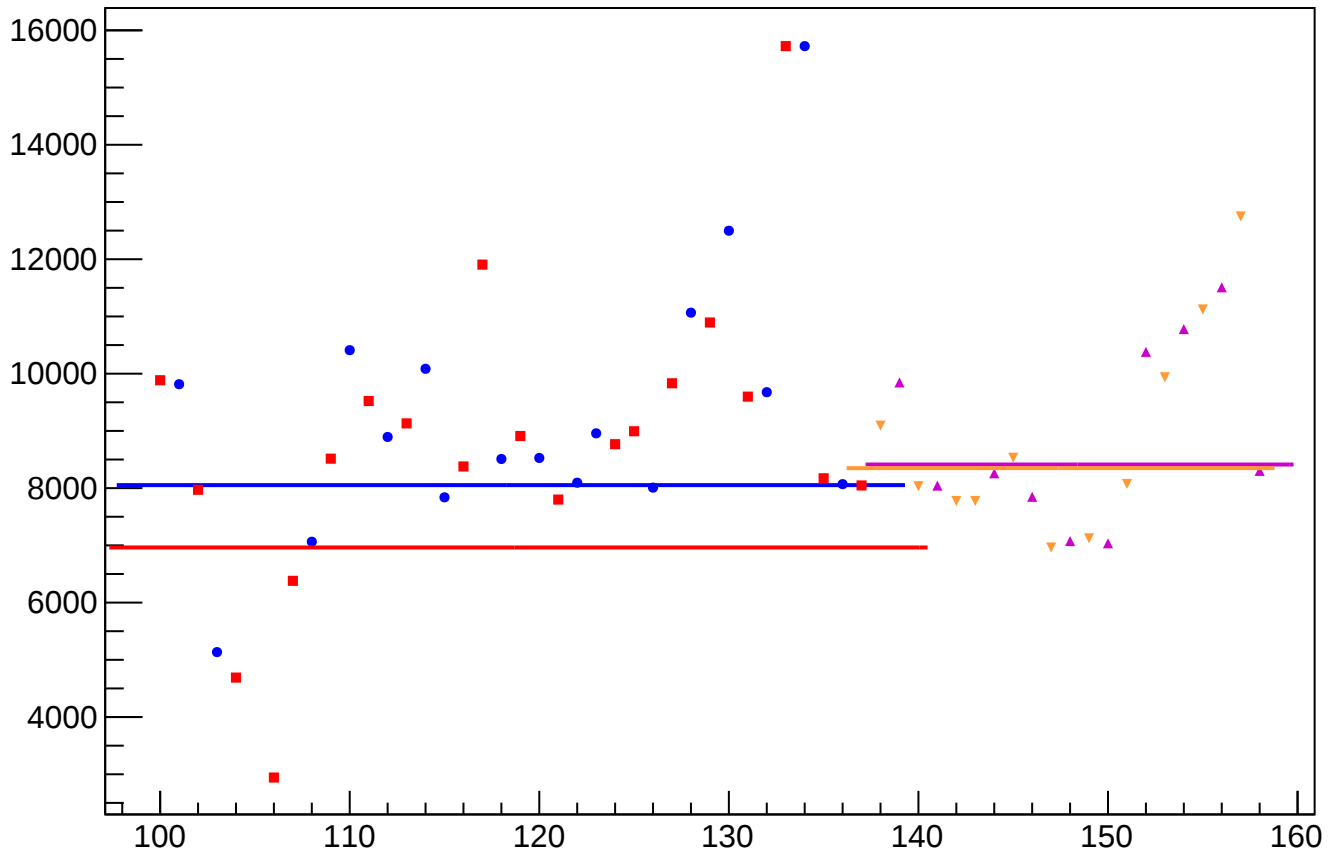
Left In: 2178.354+/-2983.992 χ^2/NDF : 5.9/9

351.314+/-2190.741 χ^2/NDF : 26.5/27

-462.433+/-1498.299 χ^2/NDF : 54.5/57

-1177.569+/-2053.719 χ^2/NDF : 27.7/29

asym_atr2_correction_rms vs Slug, Sign Corrected



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

Left Out: 8348.964 $\pm$ 2.110 χ^2 /NDF: 454011.8/10

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

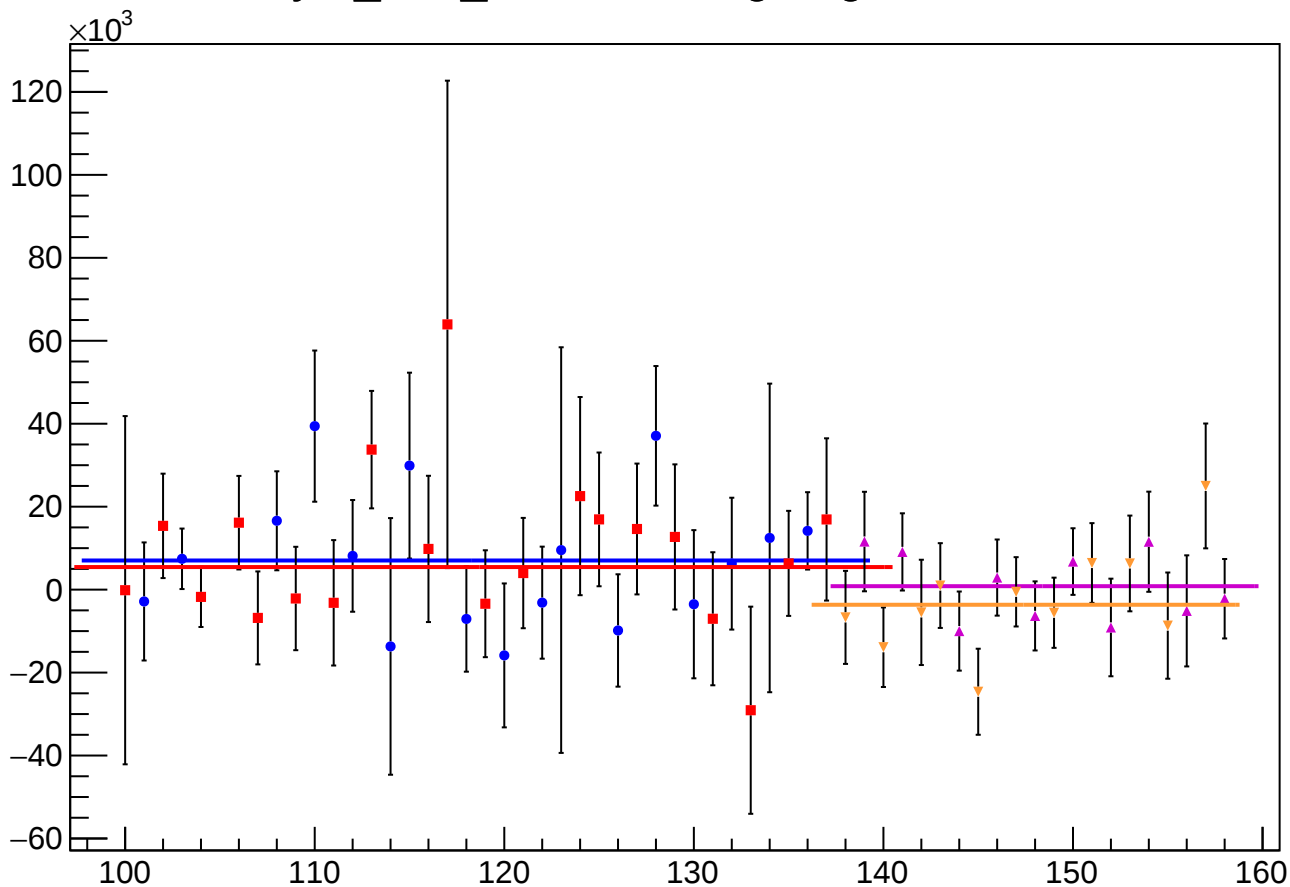
Left In: 8412.812 $\pm$ 2.110 χ^2 /NDF: 420148.2/9

8212.358 $\pm$ 1.549 χ^2 /NDF: 1253833.3/27

7912.936 $\pm$ 1.059 χ^2 /NDF: 3784197.3/57

7649.797 $\pm$ 1.452 χ^2 /NDF: 2460169.7/29

asym_atr2_mean vs Slug, Sign Corrected



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

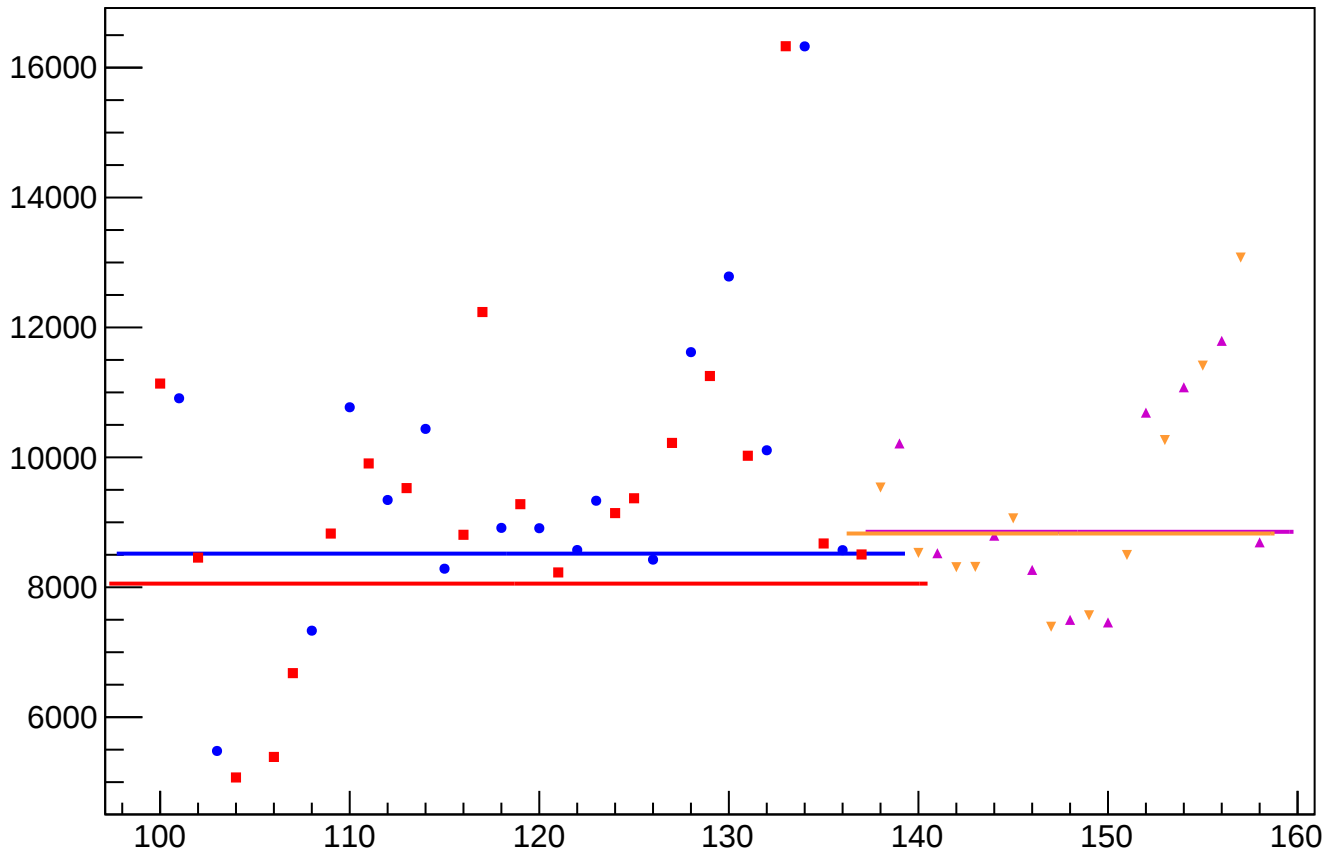
Left In: 831.397 $\pm$ 3133.431 χ^2 /NDF: 6.0/9

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

2222.569 $\pm$ 1603.709 χ^2 /NDF: 53.4/57

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

asym_atr2_rms vs Slug, Sign Corrected



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

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

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

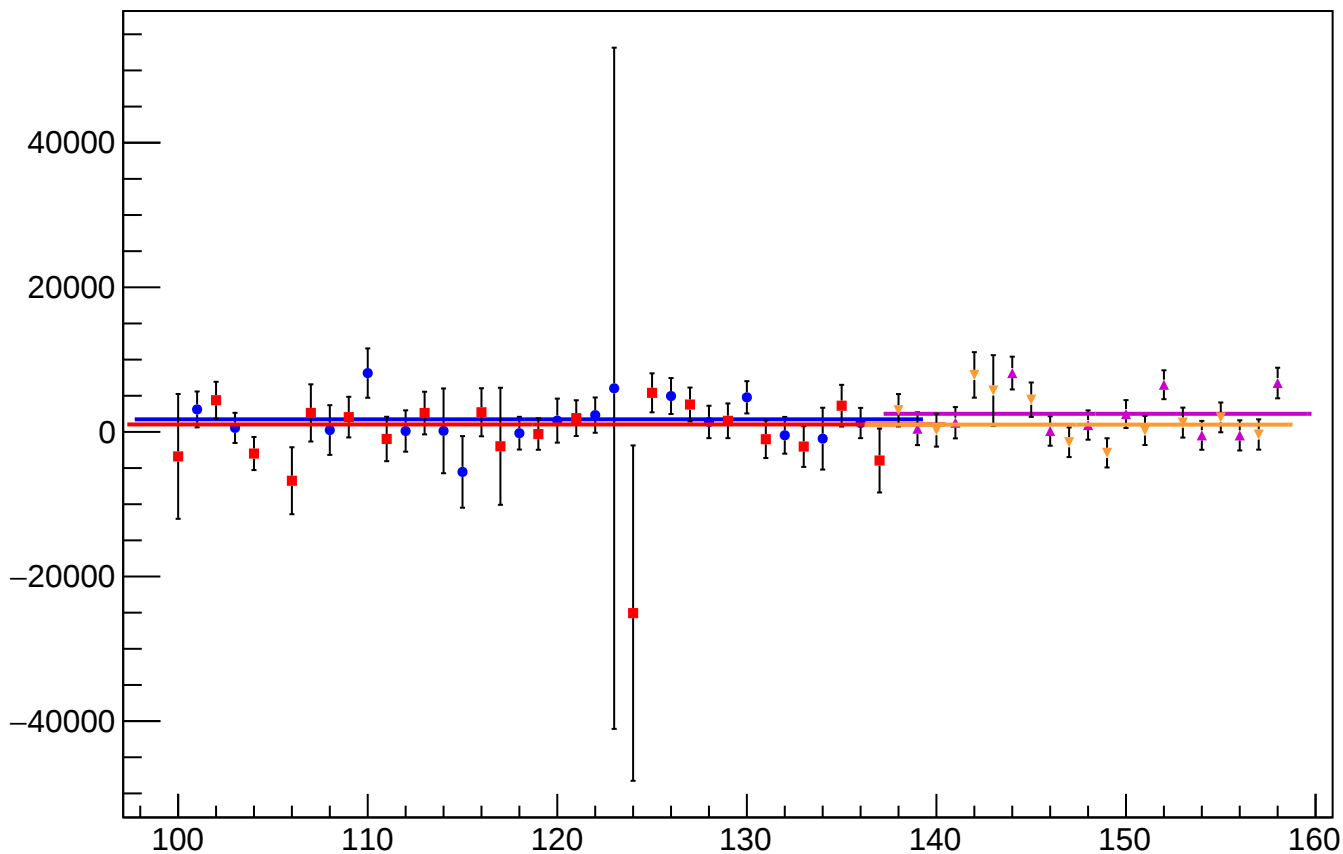
Left In: 8853.898+/-2.216 χ^2/NDF : 363352.2/9

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

8567.717+/-1.134 χ^2/NDF : 2568902.9/57

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

reg_asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: 1010.505 $\pm$ 683.938 χ^2/NDF : 14.7/10

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

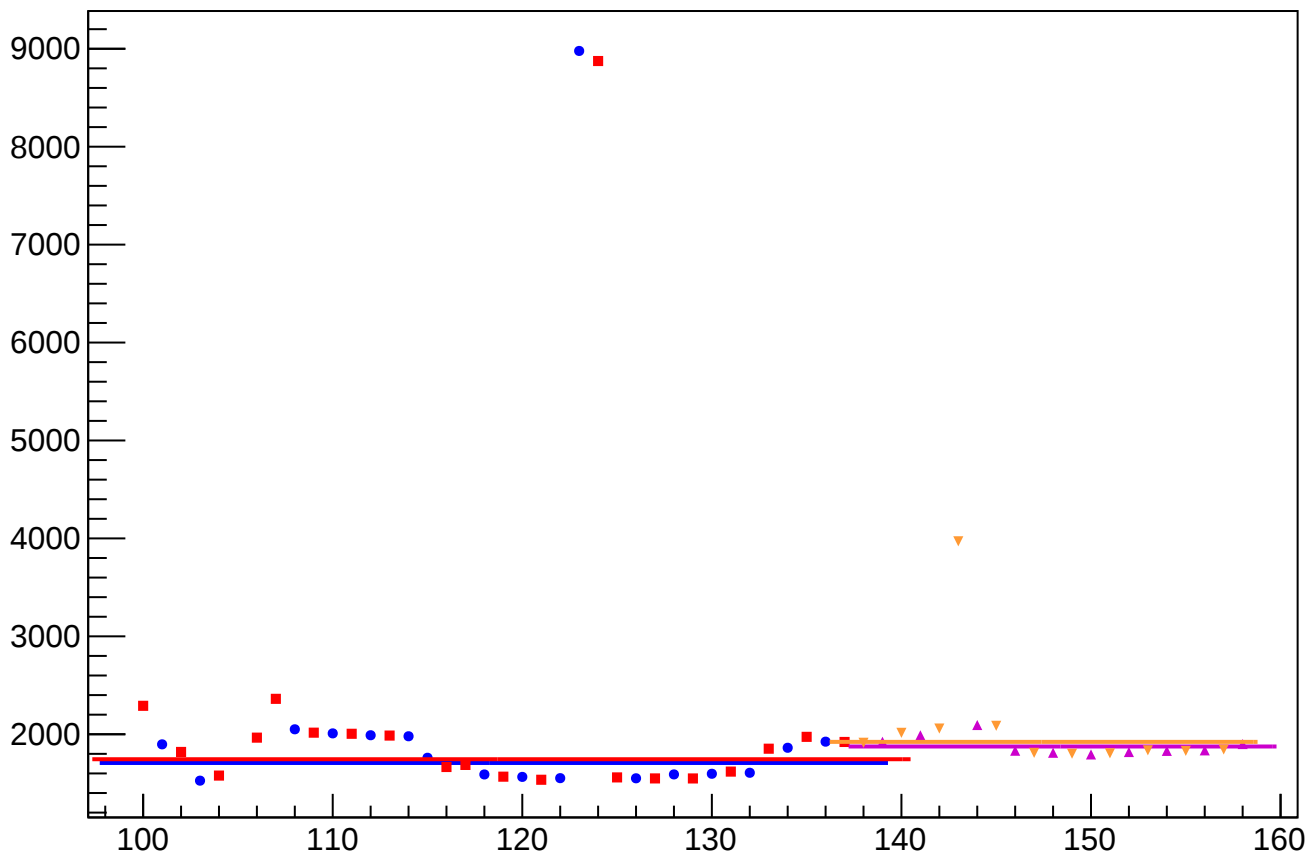
Left In: 2506.510 $\pm$ 657.942 χ^2/NDF : 21.7/9

1382.363 $\pm$ 478.757 χ^2/NDF : 27.7/27

1586.602 $\pm$ 335.026 χ^2/NDF : 71.2/57

1782.593 $\pm$ 468.990 χ^2/NDF : 43.1/29

reg_asym_atl_avg_rms vs Slug, Sign Corrected



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

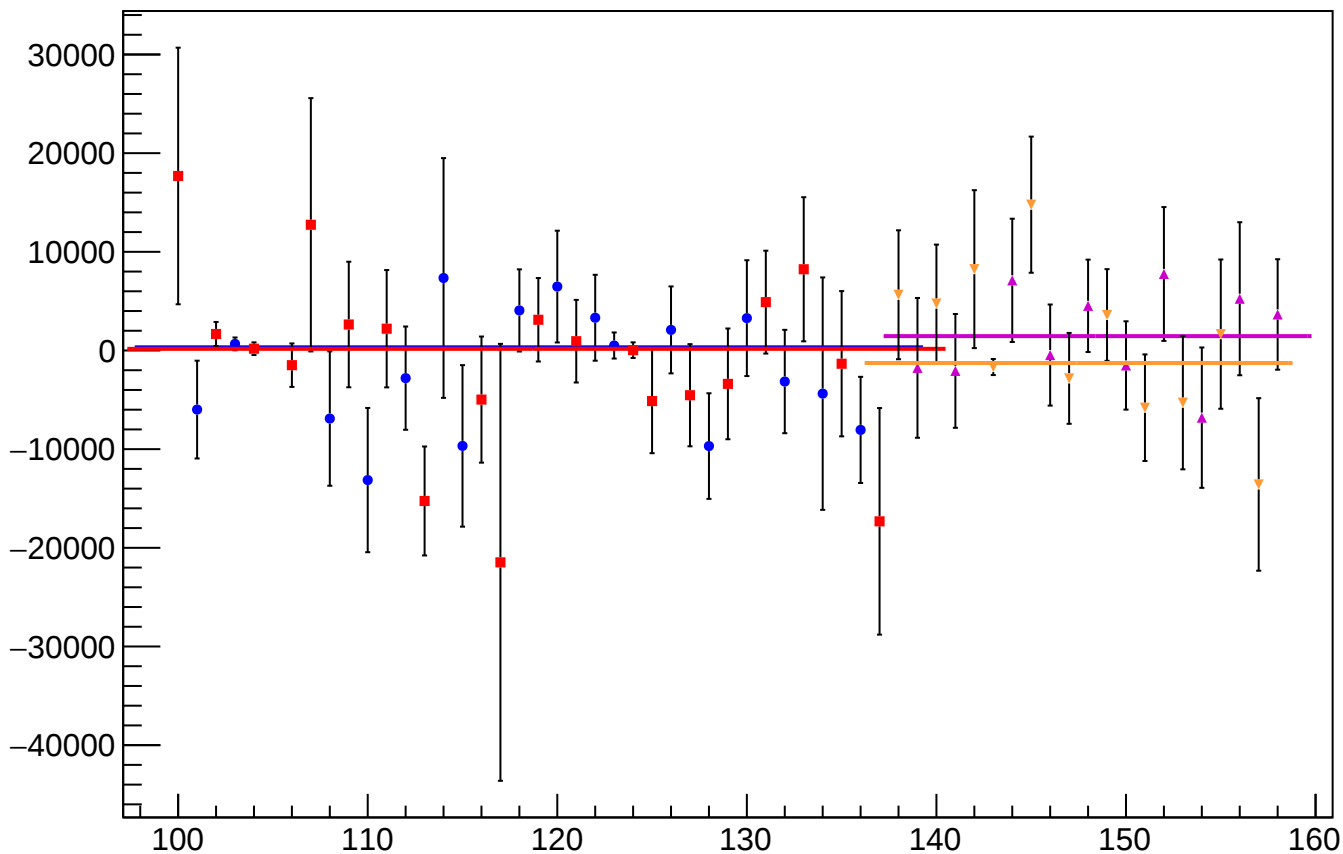
Left In: 1875.081+/-0.465 χ^2/NDF : 35258.3/9

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

1811.603+/-0.237 χ^2/NDF : 1170352.5/57

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

asym_atl_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1267.146 $\pm$ 750.614 χ^2 /NDF:13.6/10

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

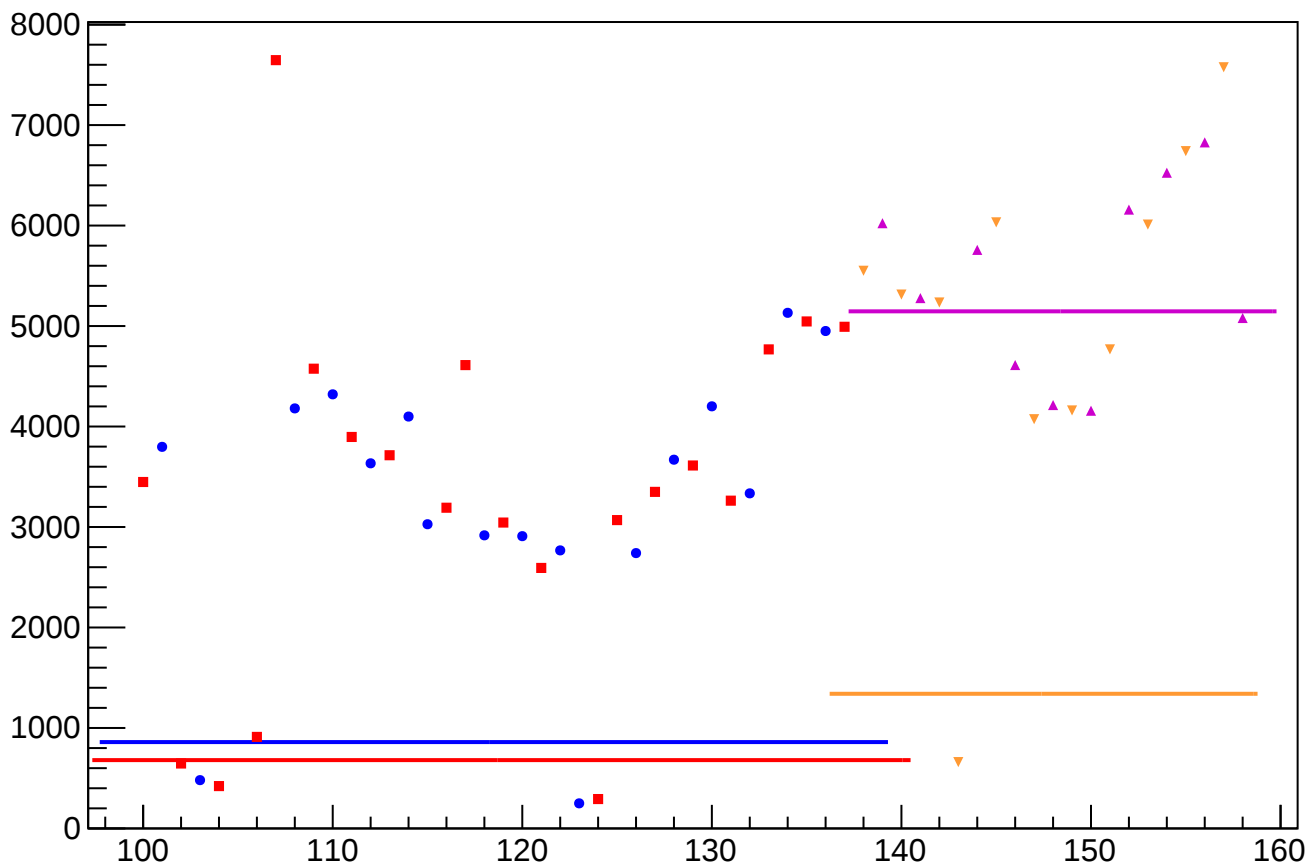
Left In: 1456.061 $\pm$ 1828.014 χ^2 /NDF:5.0/9

-221.201 $\pm$ 438.556 χ^2 /NDF: 34.6/27

16.780 $\pm$ 303.999 χ^2 /NDF: 62.3/57

236.895 $\pm$ 421.773 χ^2 /NDF: 27.2/29

asym_atl_avg_correction_rms vs Slug, Sign Corrected



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

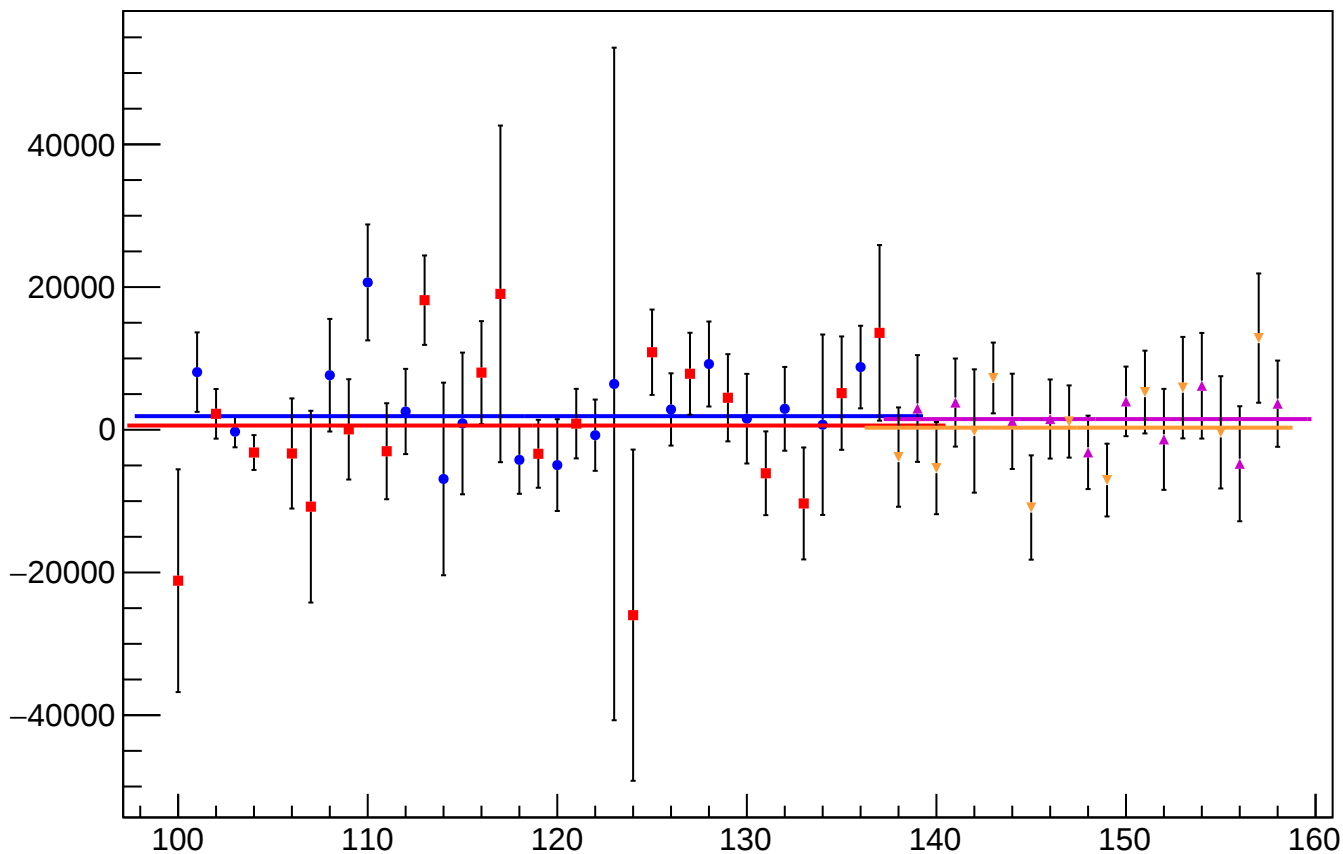
Left In: 5146.243 $\pm$ 1.293 χ^2 /NDF: 463707.5/9

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

968.694 $\pm$ 0.215 χ^2 /NDF: 38700732.5/57

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

asym_atl_avg_mean vs Slug, Sign Corrected



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

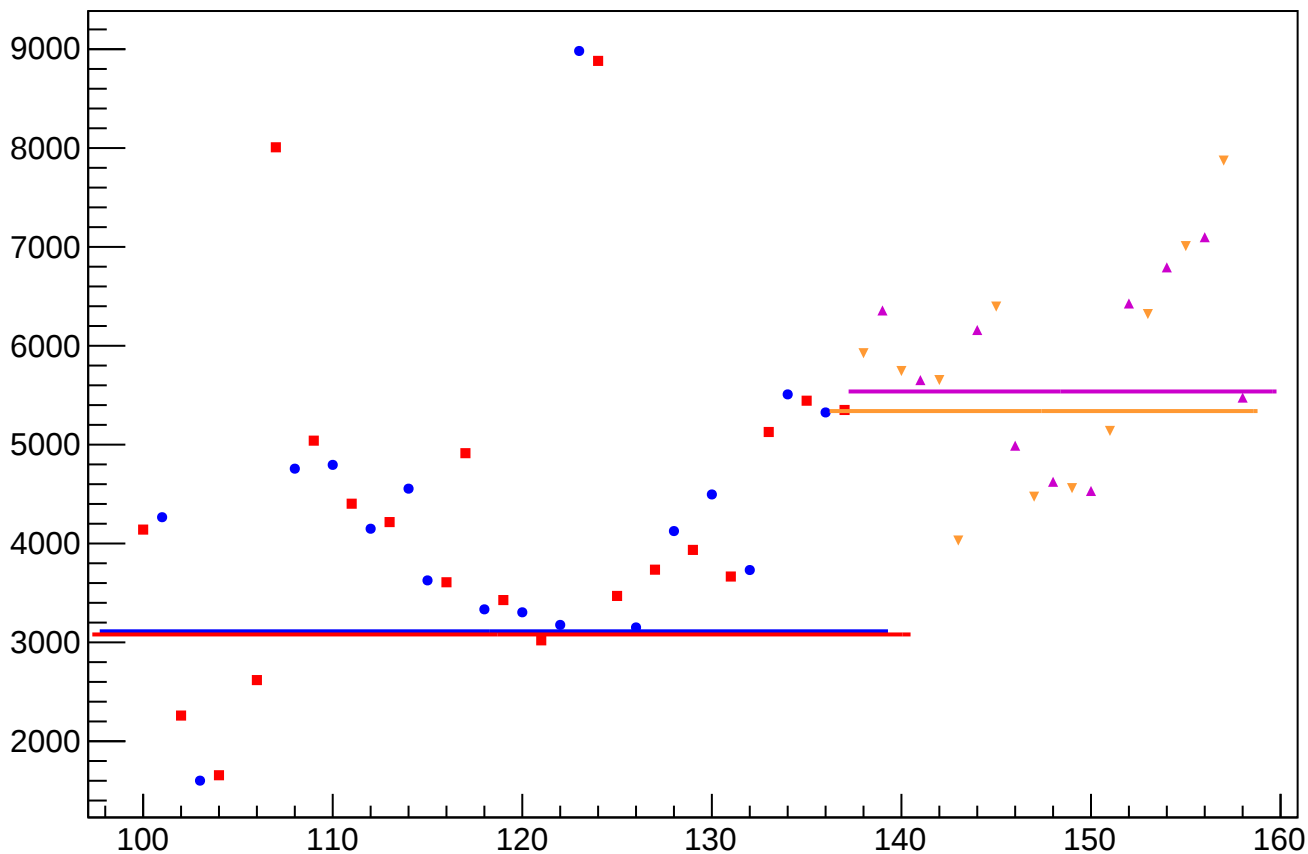
Left In: 1497.794+/-1961.610 χ^2/NDF : 2.6/9

1394.234+/-1081.336 χ^2/NDF : 25.9/27

1128.045+/-762.107 χ^2/NDF : 55.7/57

865.327+/-1074.264 χ^2/NDF : 29.7/29

asym_atl_avg_rms vs Slug, Sign Corrected



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

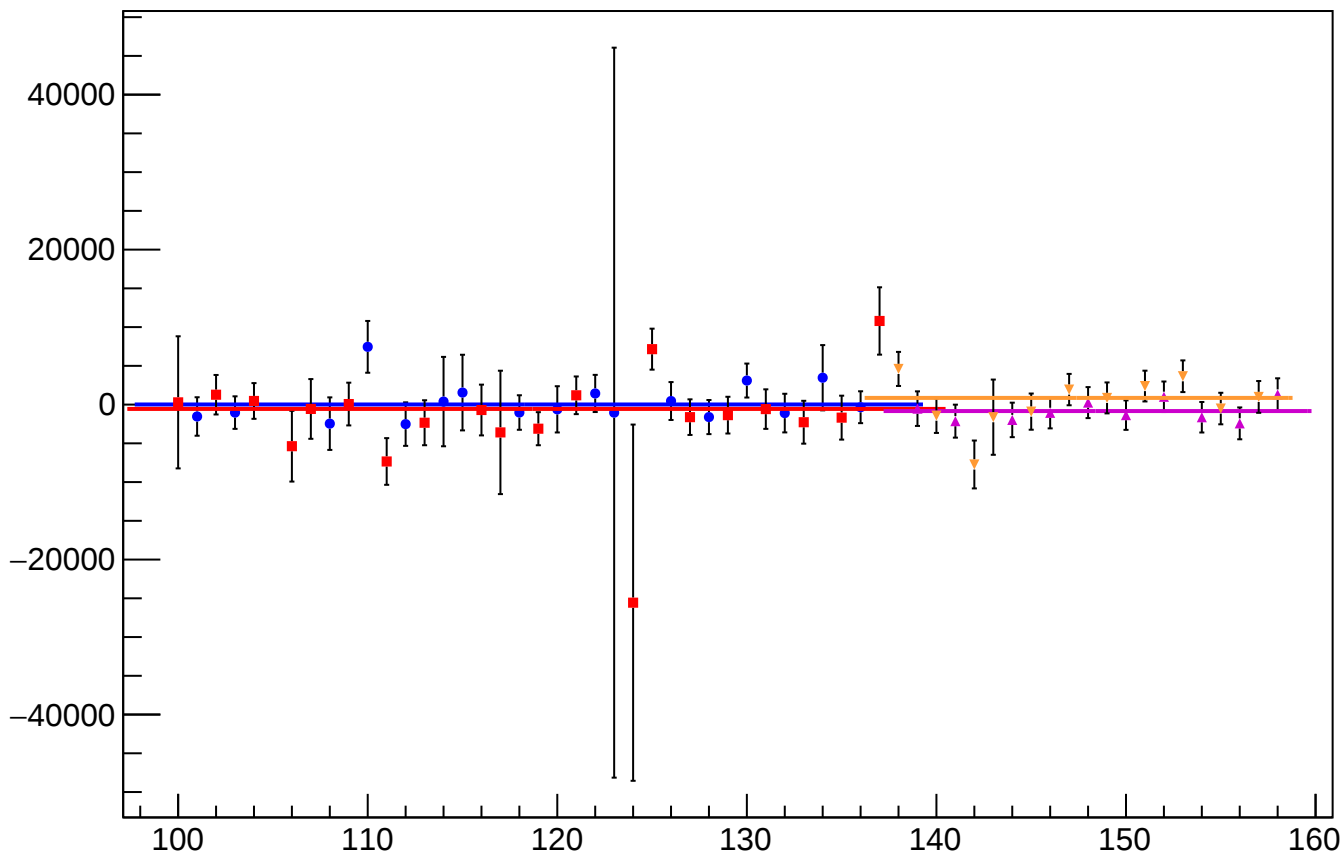
Left In: 5537.748+/-1.387 χ^2/NDF : 374044.5/9

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

3812.045+/-0.536 χ^2/NDF : 8930430.7/57

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

reg_asym_atl_dd_mean vs Slug, Sign Corrected



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

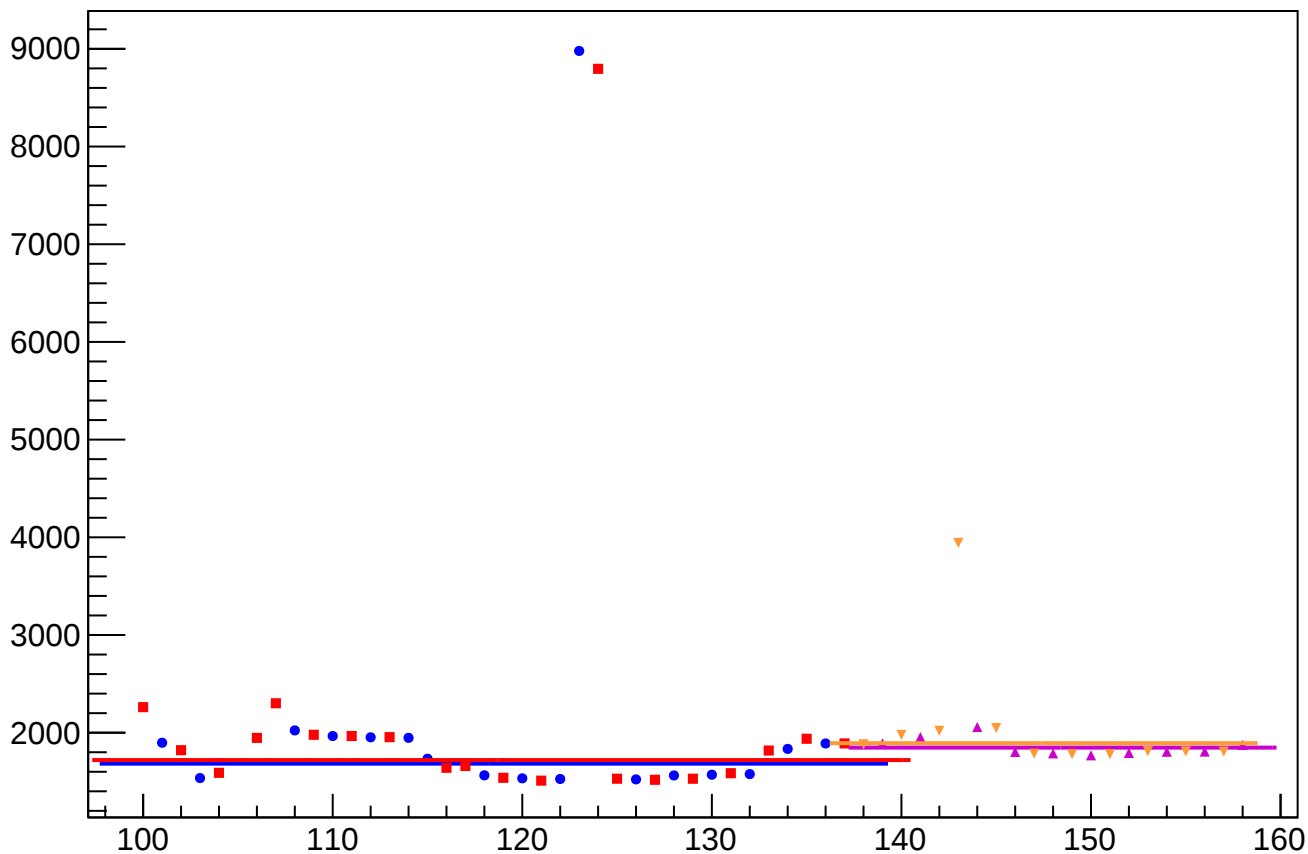
Left In: -833.859+/-648.151 χ^2 /NDF: 3.7/9

431.028+/-471.772 χ^2 /NDF: 27.6/27

-145.424+/-330.105 χ^2 /NDF: 61.2/57

-698.378+/-462.057 χ^2 /NDF: 30.6/29

reg_asym_atl_dd_rms vs Slug, Sign Corrected



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

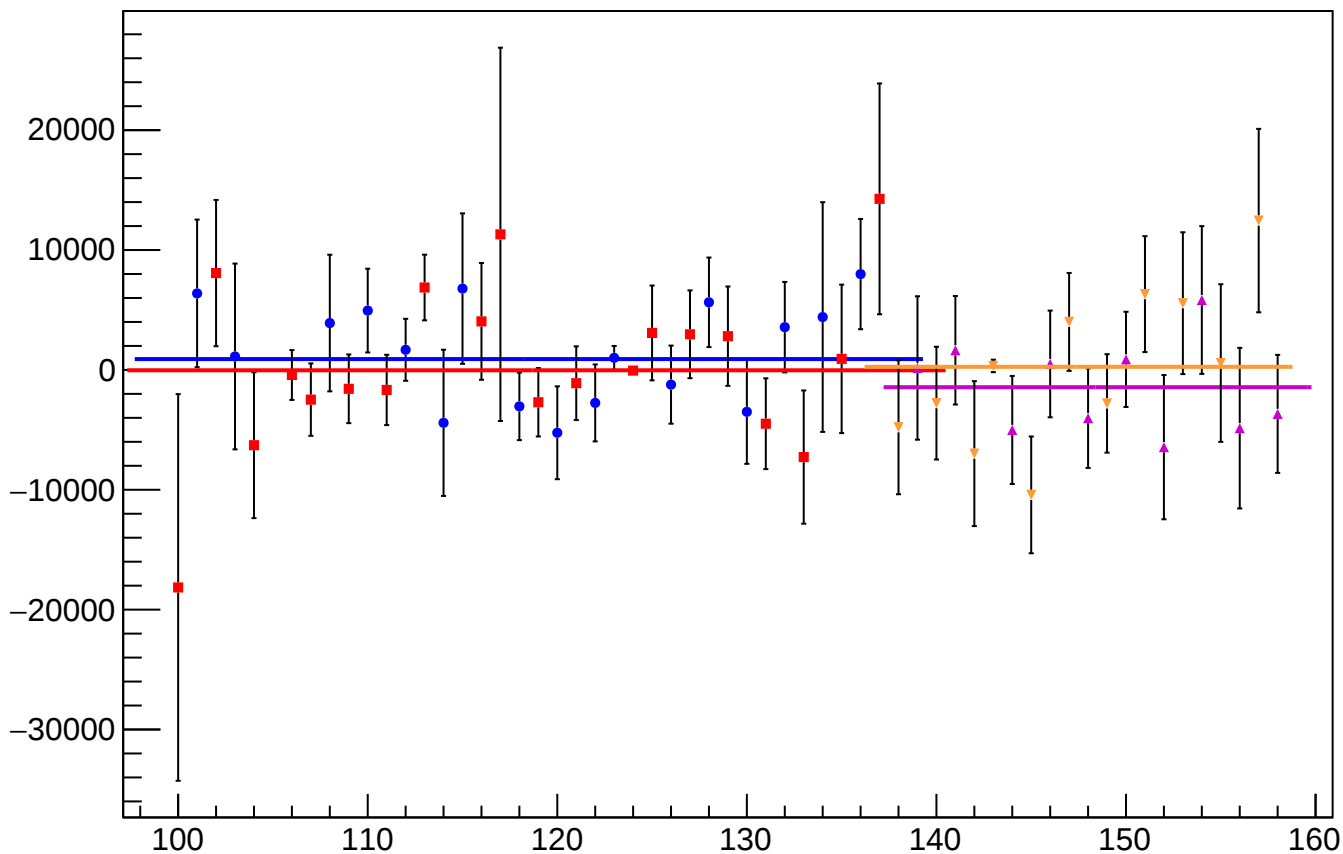
Left In: 1847.233 +/- 0.458 χ^2/NDF : 33597.8/9

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

1785.174 +/- 0.233 χ^2/NDF : 1162738.3/57

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

asym_atl_dd_correction_mean vs Slug, Sign Corrected



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

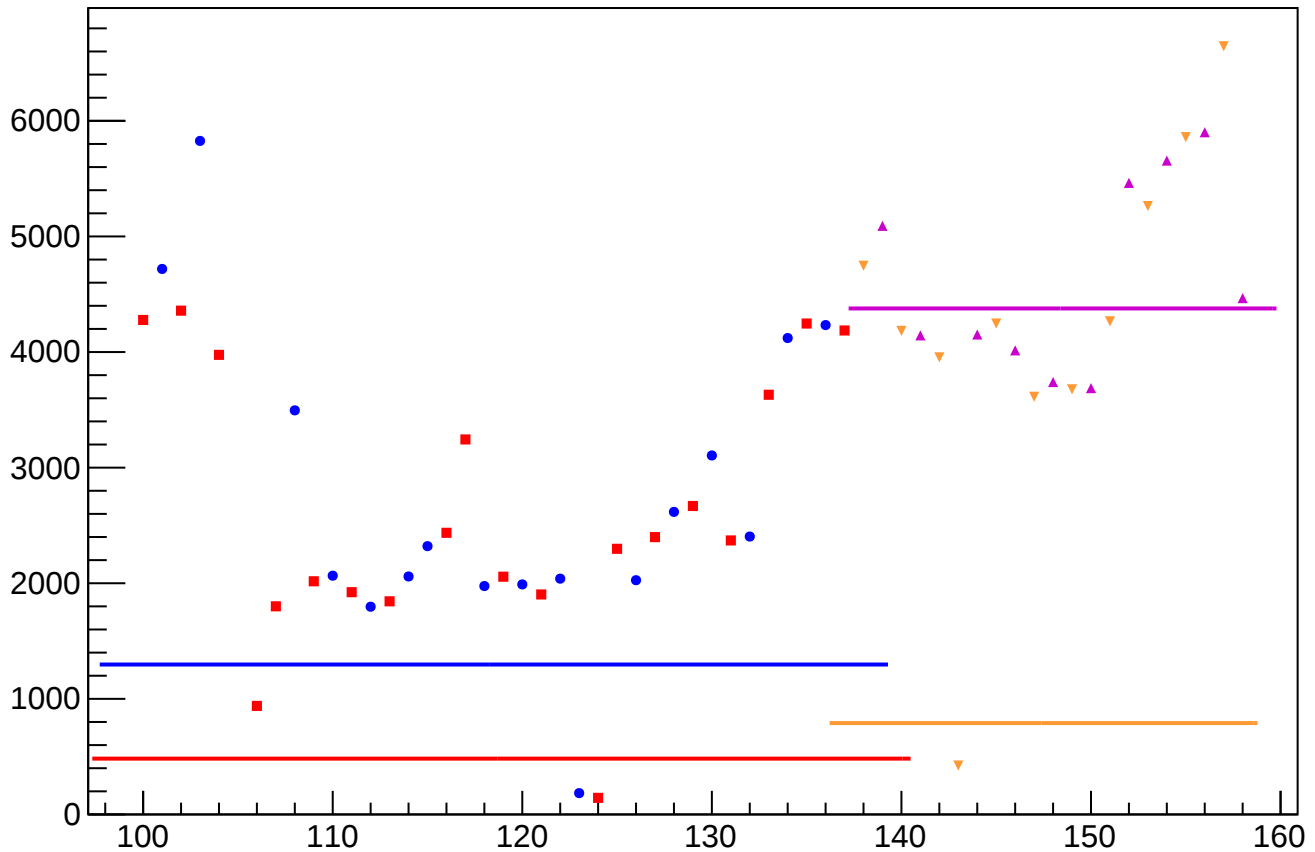
Left In: -1442.144+/-1551.841 χ^2/NDF : 4.6/9

471.837+/-406.575 χ^2/NDF : 30.4/27

140.010+/-264.375 χ^2/NDF : 58.0/57

-103.077+/-347.989 χ^2/NDF : 26.5/29

asym_atl_dd_correction_rms vs Slug, Sign Corrected



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

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

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

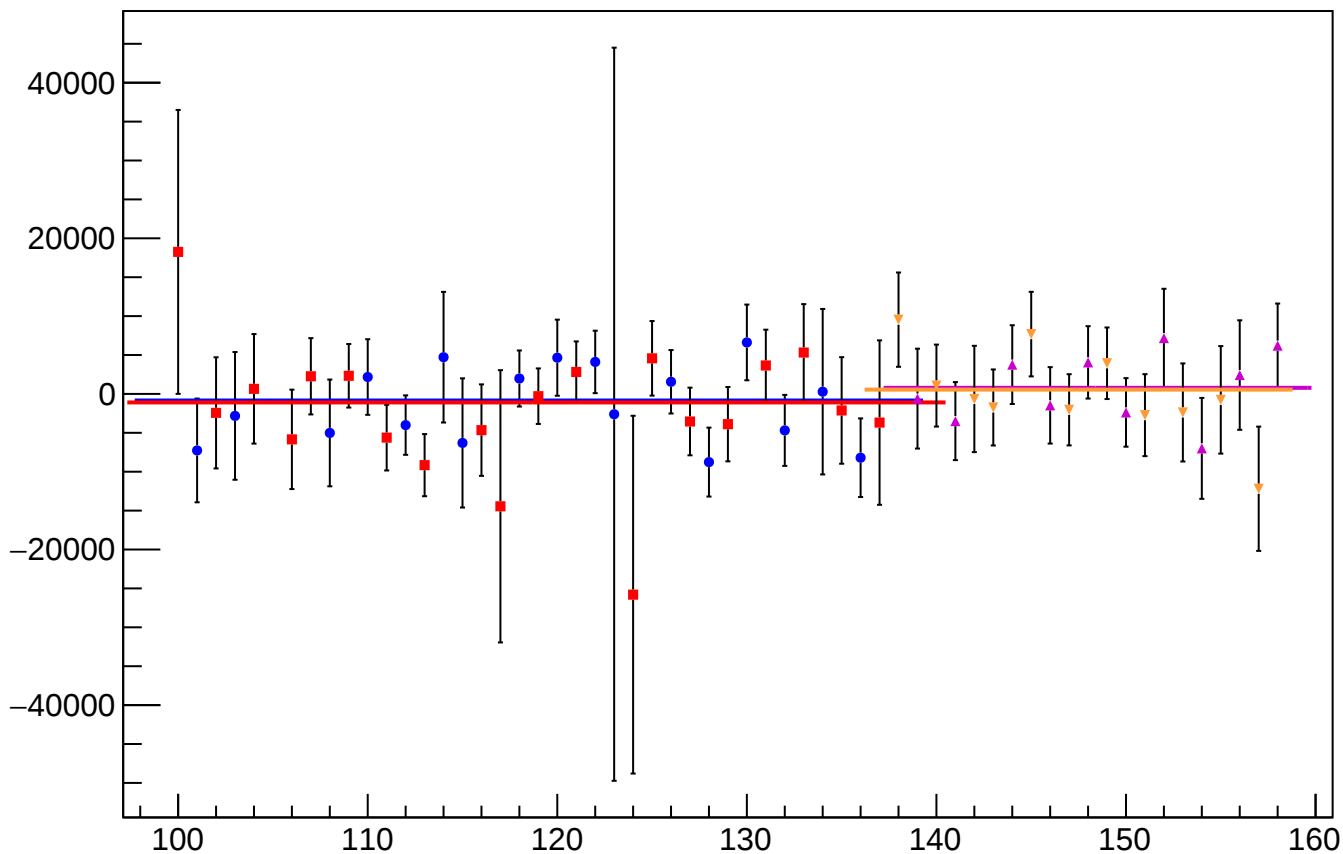
Left In: 4376.969±/-1.097 χ^2/NDF : 414776.2/9

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

797.176±/-0.187 χ^2/NDF : 41391598.7/57

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

asym_atl_dd_mean vs Slug, Sign Corrected



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

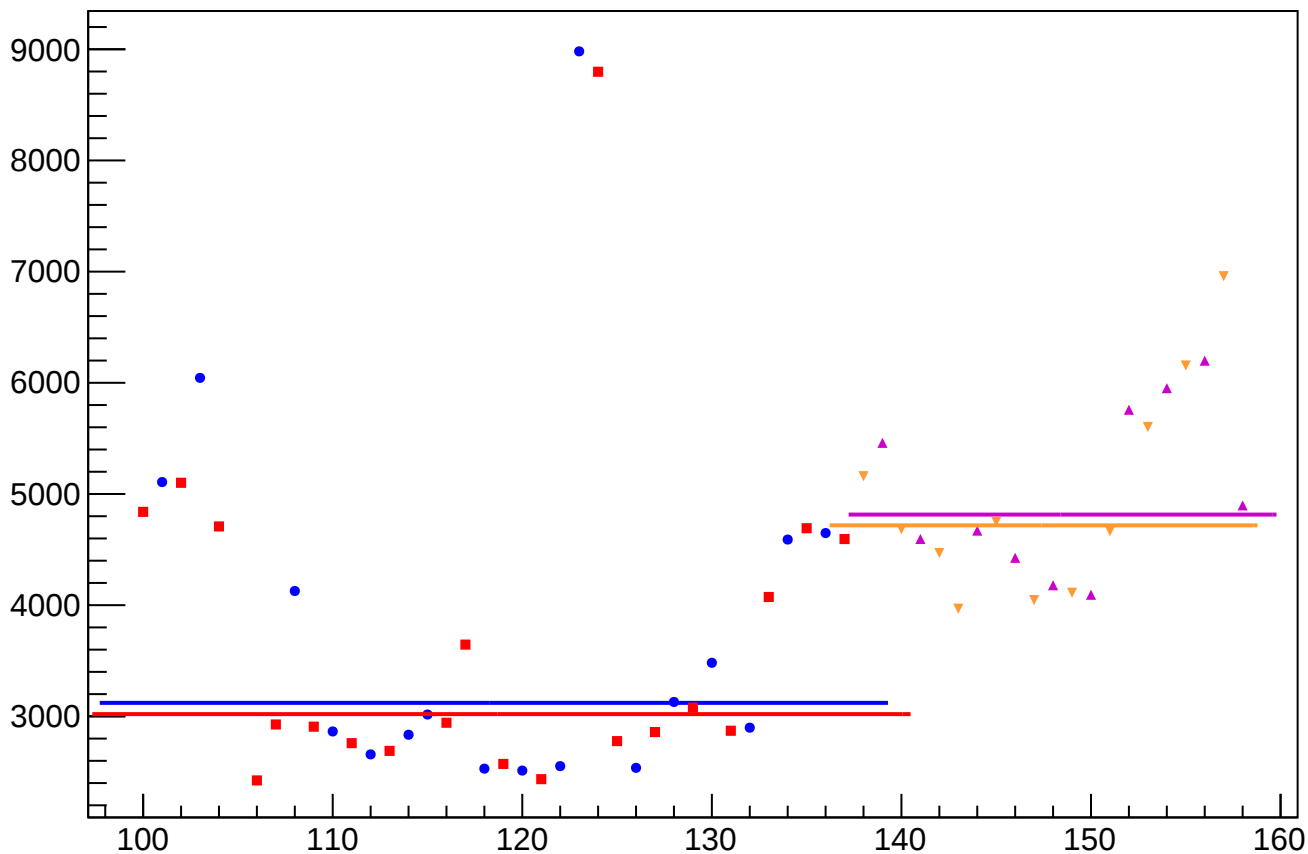
Left In: 783.024 ± 1701.802 χ^2/NDF : 5.9/9

-345.337 ± 1009.029 χ^2/NDF : 24.1/27

-414.890 ± 700.818 χ^2/NDF : 46.4/57

-479.711 ± 974.105 χ^2/NDF : 22.3/29

asym_atl_dd_rms vs Slug, Sign Corrected



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

Left Out: 4718.030+/-1.190 χ^2/NDF : 422133.8/10

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

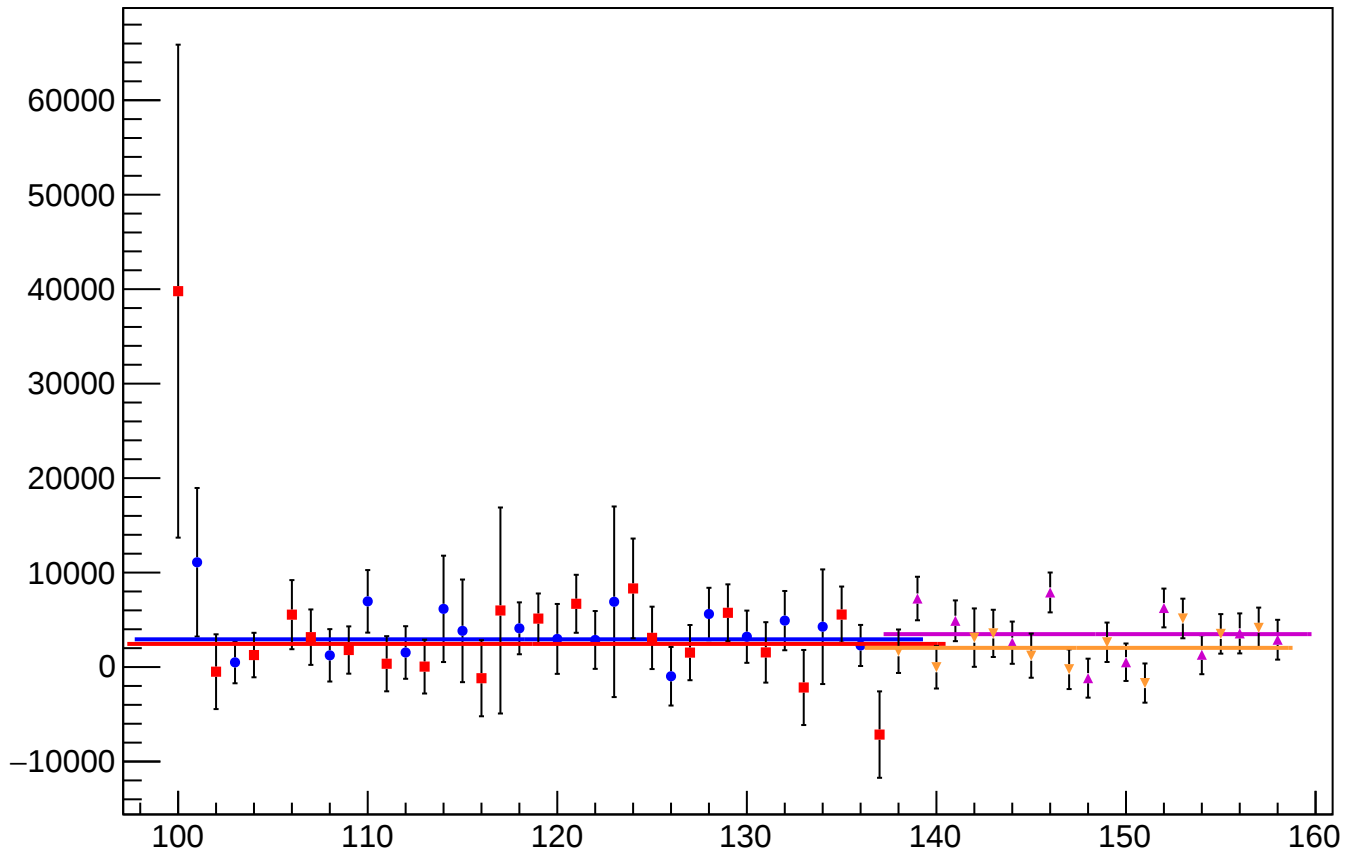
Left In: 4814.762+/-1.203 χ^2/NDF : 312643.4/9

3695.771+/-0.713 χ^2/NDF : 2521205.5/27

3644.880+/-0.493 χ^2/NDF : 5145908.7/57

3598.243+/-0.683 χ^2/NDF : 2614953.3/29

reg_asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: 2031.384 ± 674.837 χ^2/NDF : 9.6/10

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

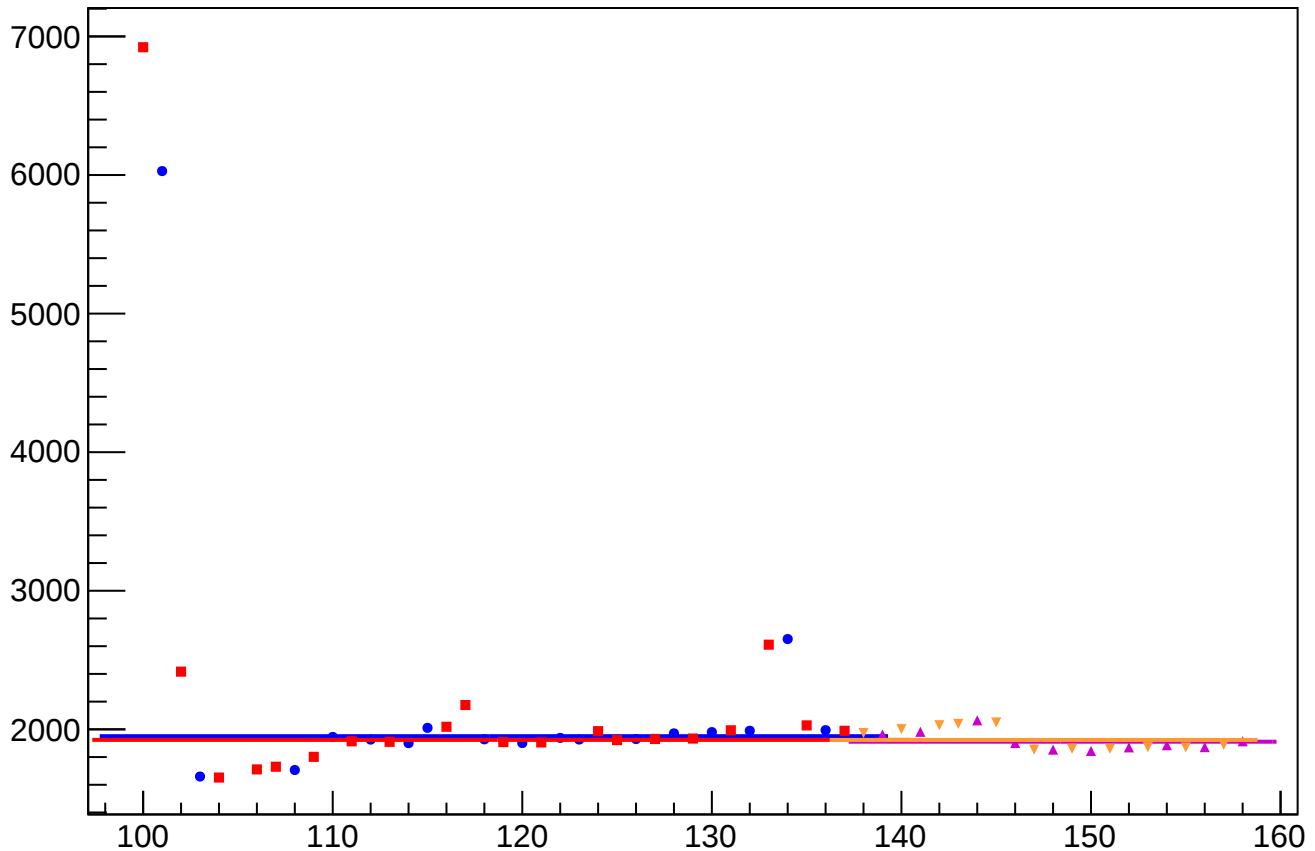
Left In: 3484.372 ± 668.381 χ^2/NDF : 18.0/9

2421.210 ± 509.039 χ^2/NDF : 18.5/27

2727.749 ± 355.106 χ^2/NDF : 56.6/57

3018.343 ± 495.622 χ^2/NDF : 37.4/29

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1950.615 $\pm$ 0.548 χ^2 /NDF: 617332.2/16

Left Out: 1923.561 $\pm$ 0.477 χ^2 /NDF: 24860.1/10

Right Out: 1923.907 $\pm$ 0.521 χ^2 /NDF: 218470.6/19

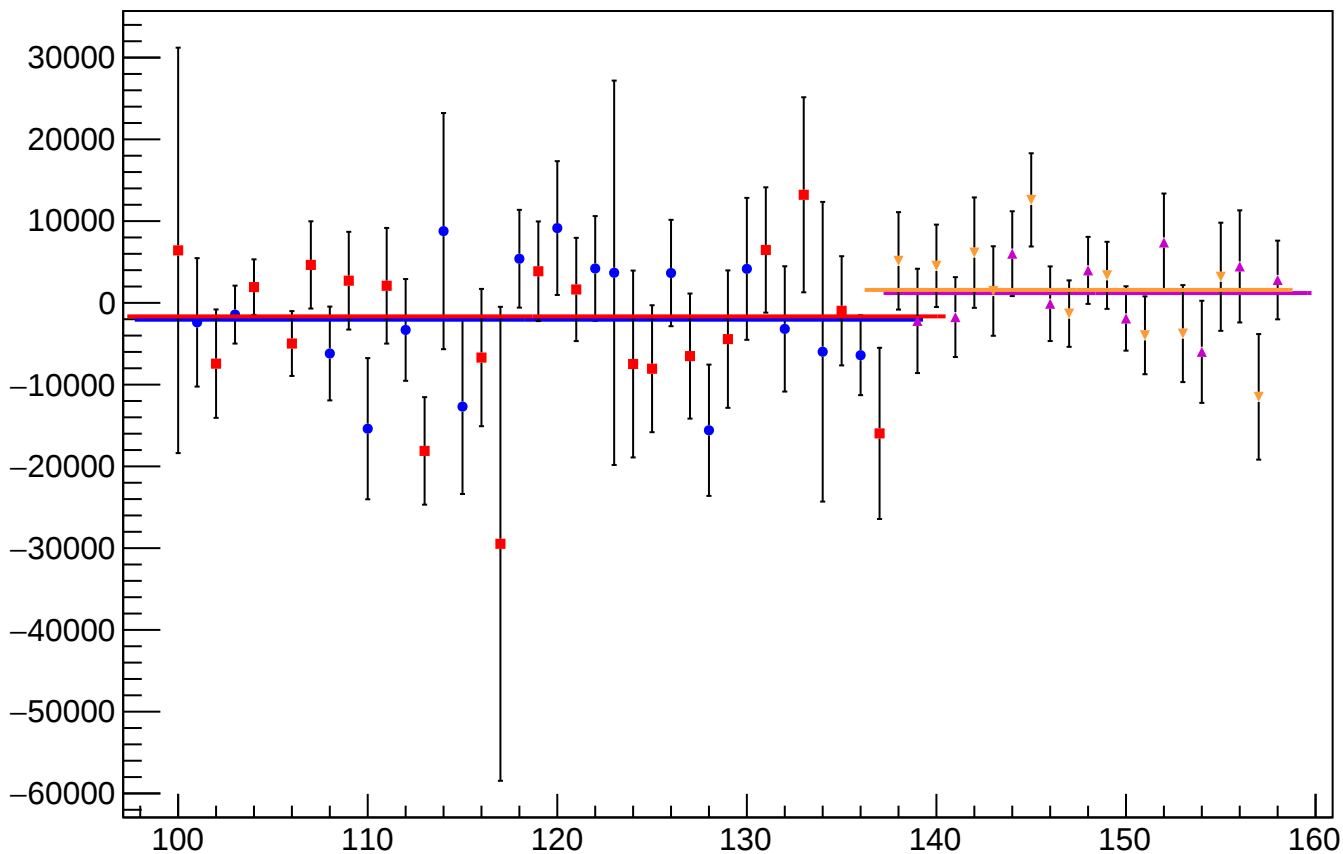
Left In: 1910.737 $\pm$ 0.473 χ^2 /NDF: 18352.4/9

1935.221 $\pm$ 0.360 χ^2 /NDF: 643577.7/27

1925.694 $\pm$ 0.251 χ^2 /NDF: 882114.6/57

1916.681 $\pm$ 0.350 χ^2 /NDF: 237173.5/29

asym_atr_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 1583.395 $\pm$ 1609.683 χ^2 /NDF:10.7/10

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

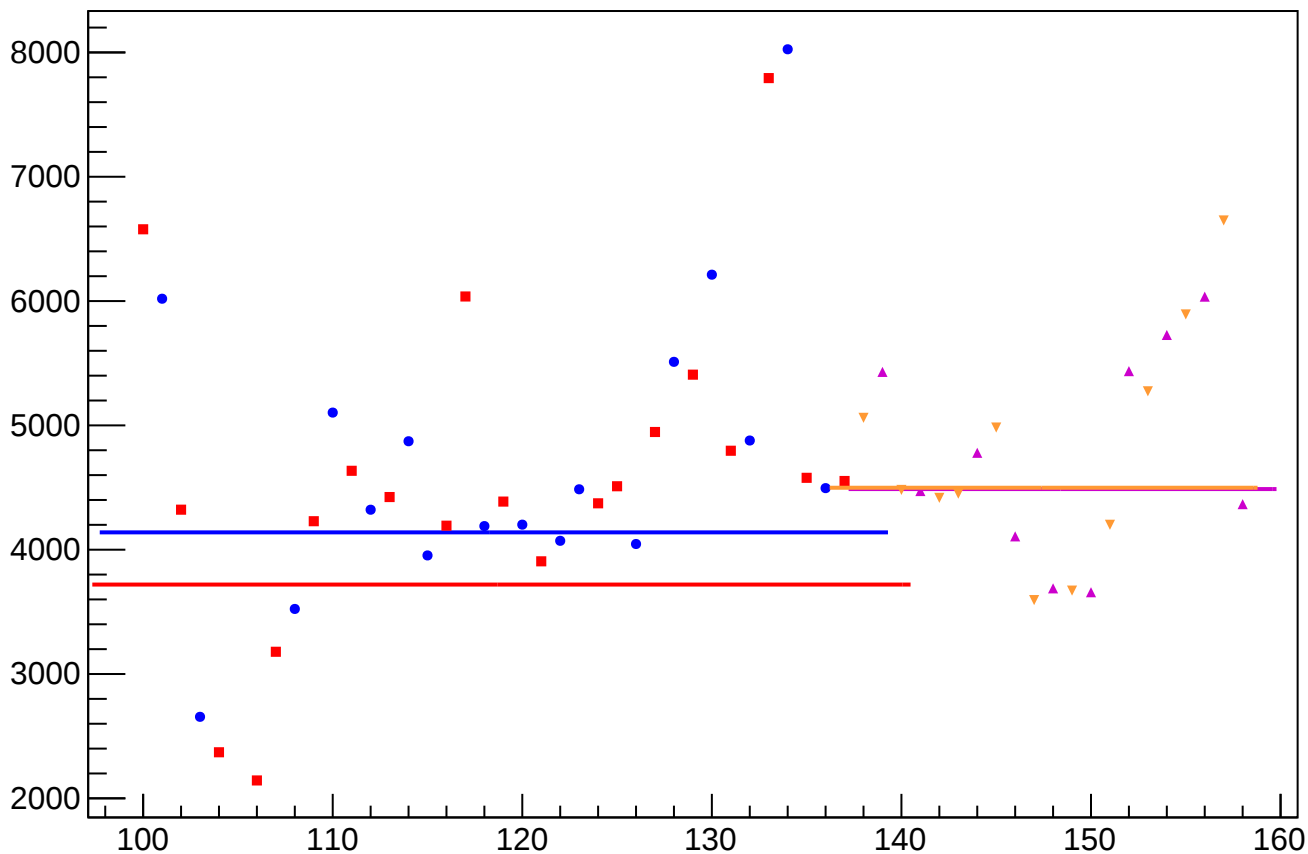
Left In: 1203.414 $\pm$ 1593.913 χ^2 /NDF:5.4/9

-179.553 $\pm$ 1155.961 χ^2 /NDF: 27.1/27

-262.259 $\pm$ 790.245 χ^2 /NDF: 53.8/57

-334.823 $\pm$ 1082.777 χ^2 /NDF: 26.7/29

asym_atr_avg_correction_rms vs Slug, Sign Corrected



Right In: 4139.394 $\pm$ 1.175 χ^2 /NDF: 813550.8/16

Left Out: 4498.373 $\pm$ 1.138 χ^2 /NDF: 500701.4/10

Right Out: 3719.546 $\pm$ 1.043 χ^2 /NDF: 1288644.4/19

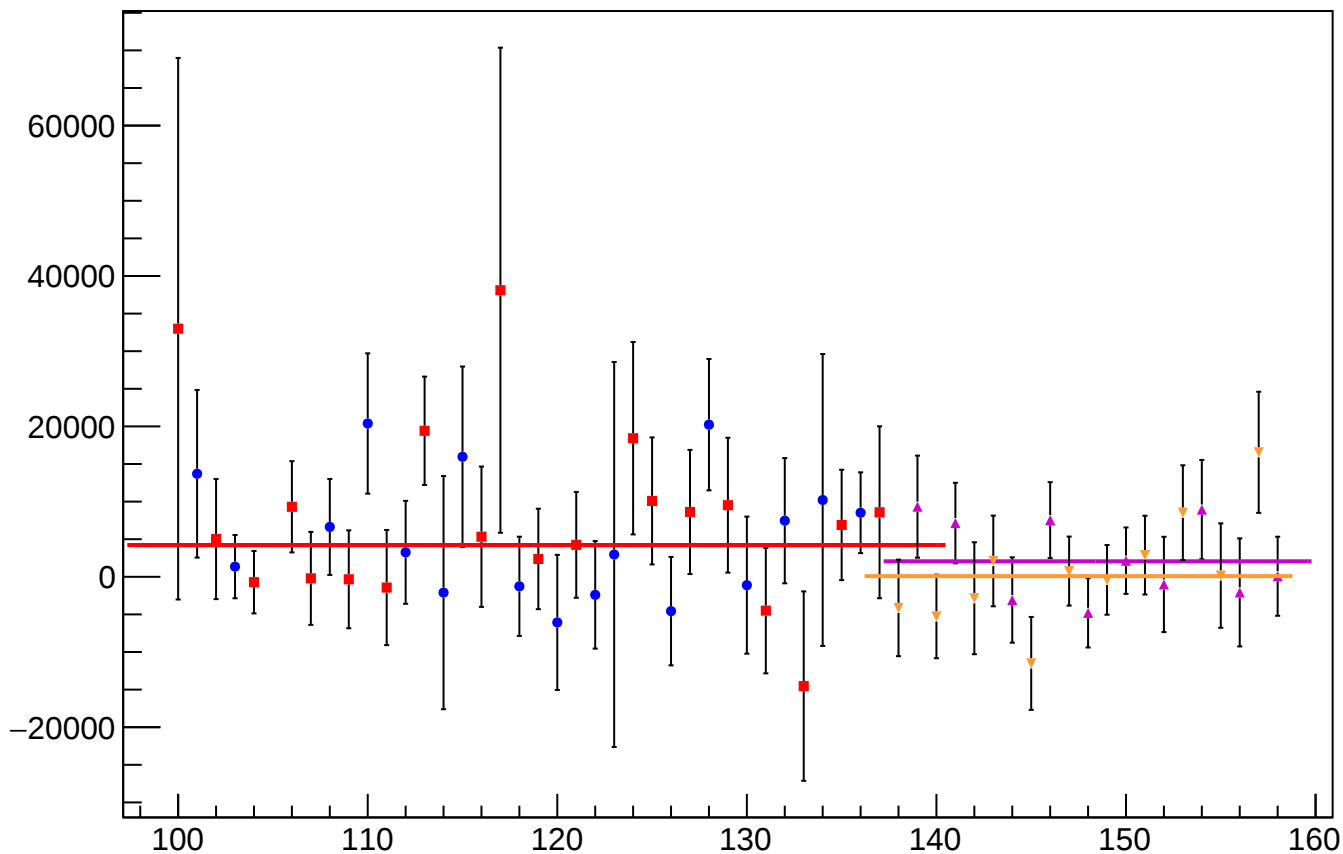
Left In: 4487.760 $\pm$ 1.127 χ^2 /NDF: 460921.9/9

4324.523 $\pm$ 0.817 χ^2 /NDF: 1362424.1/27

4191.112 $\pm$ 0.559 χ^2 /NDF: 3412194.4/57

4074.058 $\pm$ 0.766 χ^2 /NDF: 1999757.2/29

asym_atr_avg_mean vs Slug, Sign Corrected



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

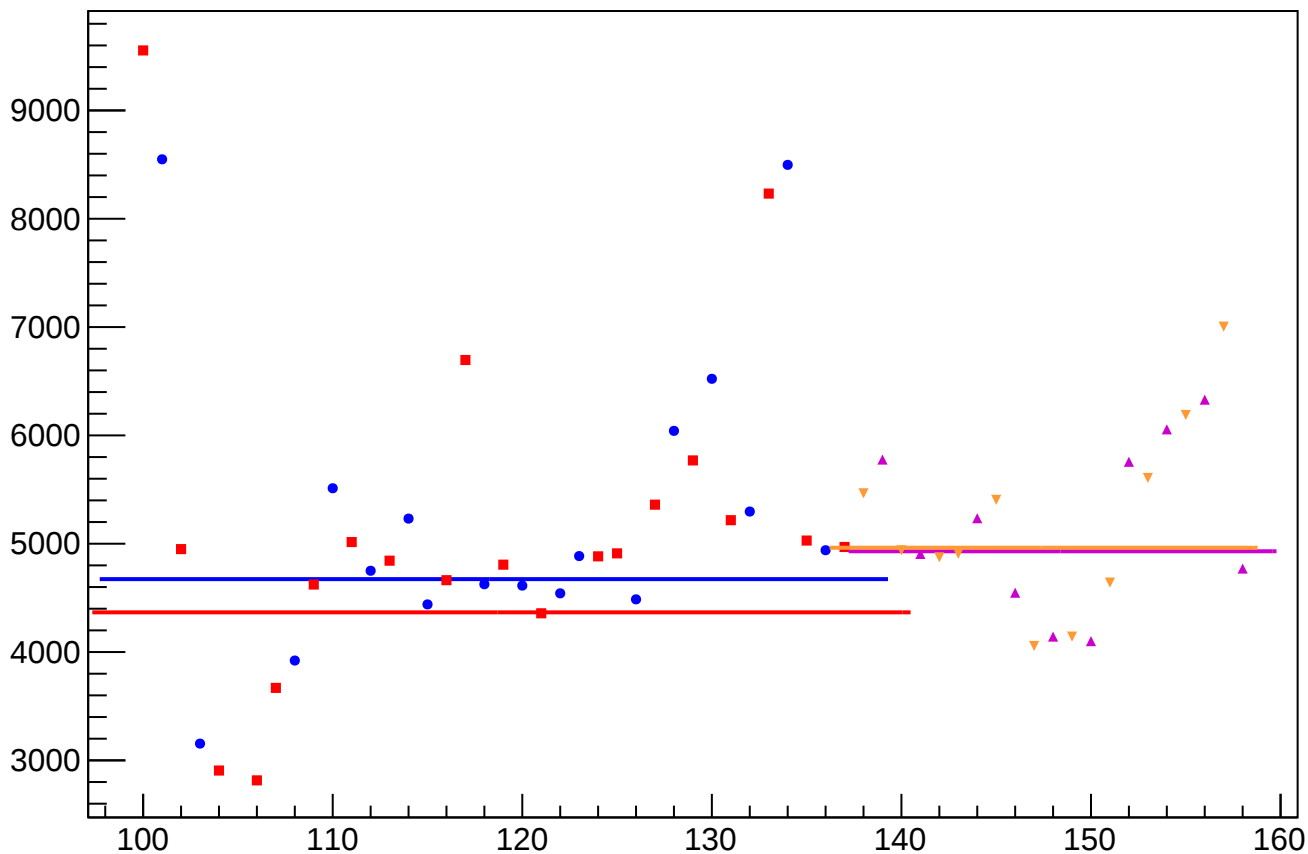
Left In: 2061.772+/-1744.041 χ^2/NDF : 8.1/9

2033.738+/-1284.707 χ^2/NDF : 28.4/27

2623.037+/-886.817 χ^2/NDF : 53.6/57

3159.422+/-1225.672 χ^2/NDF : 24.7/29

asym_atr_avg_rms vs Slug, Sign Corrected



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

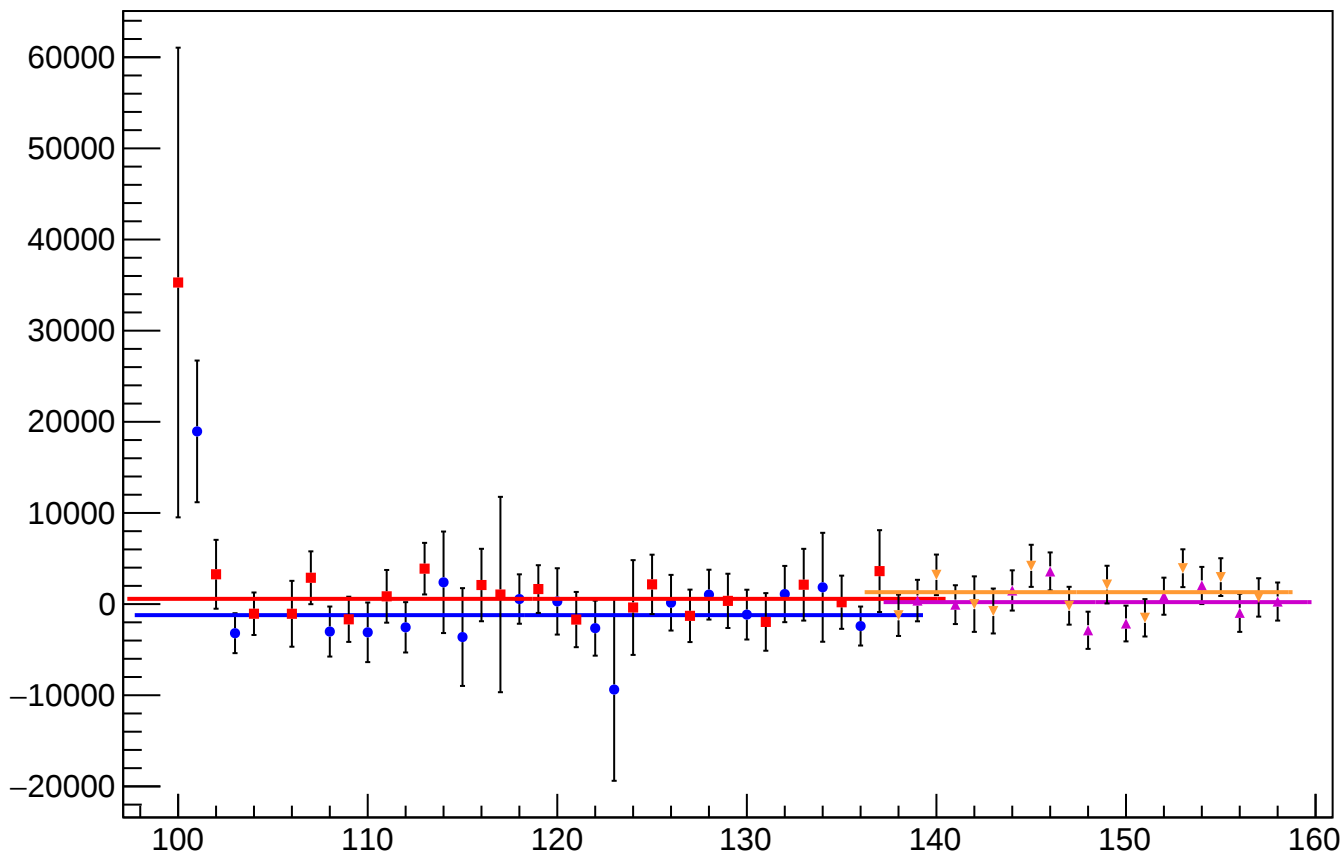
Left In: 4930.330 ± 1.233 χ^2/NDF : 347468.7/9

4826.281 ± 0.908 χ^2/NDF : 1185695.7/27

4730.226 ± 0.626 χ^2/NDF : 2503541.3/57

4643.306 ± 0.864 χ^2/NDF : 1296547.7/29

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1211.76 $\pm$ 765.294 χ^2 /NDF: 12.7/16

Left Out: 1309.262 $\pm$ 666.639 χ^2 /NDF: 9.3/10

Right Out: 575.663 $\pm$ 728.976 χ^2 /NDF: 8.7/19

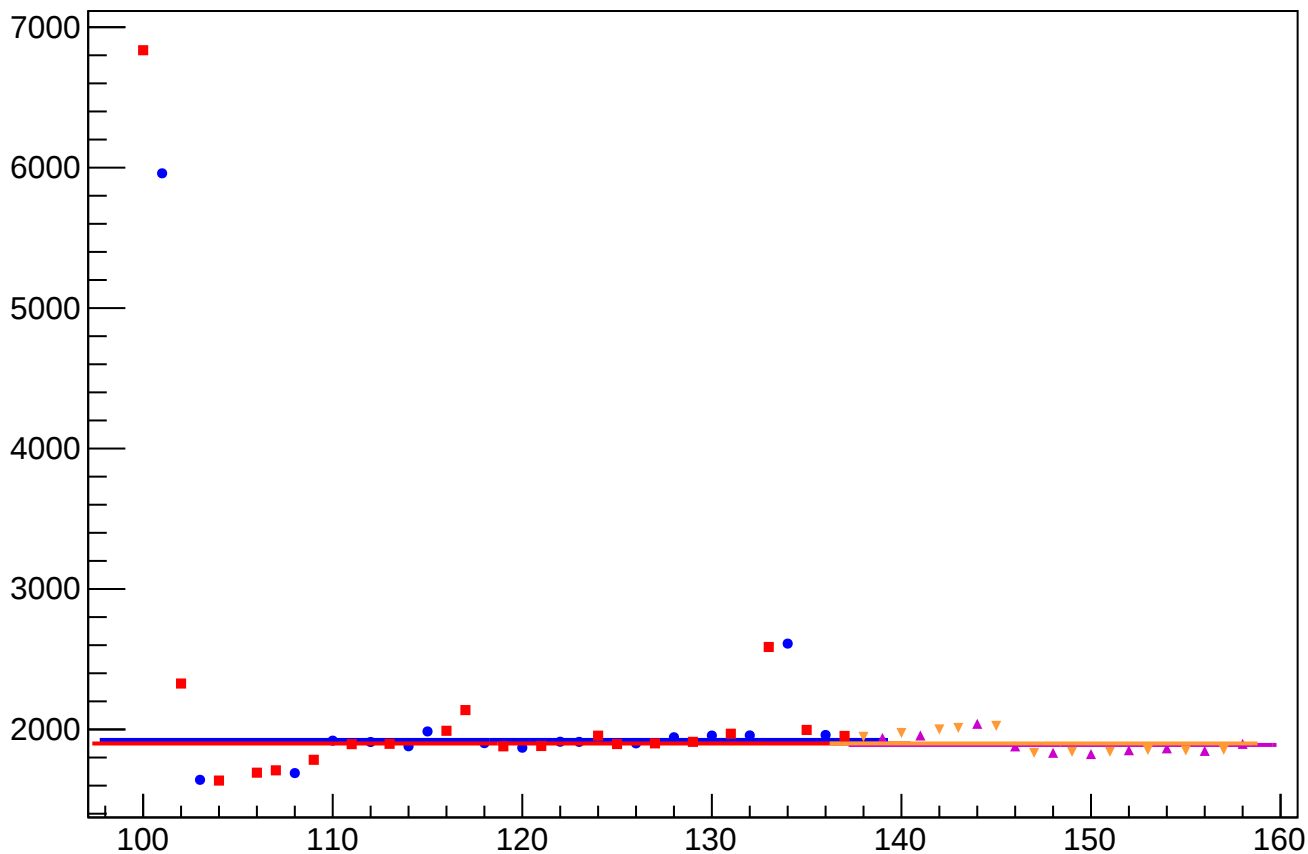
Left In: 216.017 $\pm$ 661.010 χ^2 /NDF: 7.9/9

221.872 $\pm$ 502.670 χ^2 /NDF: 28.1/27

302.132 $\pm$ 350.756 χ^2 /NDF: 44.9/57

378.296 $\pm$ 489.674 χ^2 /NDF: 16.7/29

reg_asym_atr_dd_rms vs Slug, Sign Corrected



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

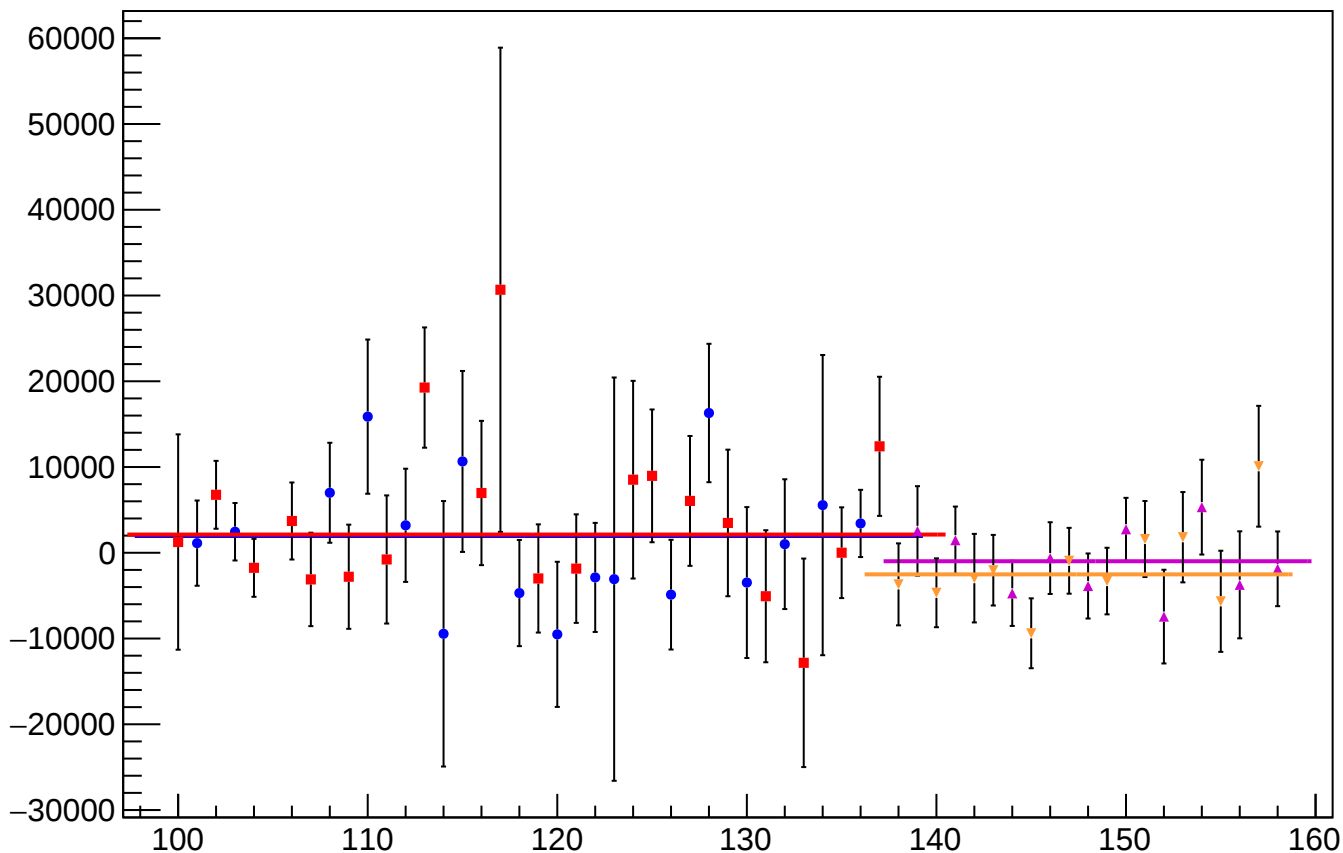
Left In: 1889.707+/-0.467 χ^2/NDF : 17812.1/9

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

1902.491+/-0.248 χ^2/NDF : 871811.5/57

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

asym_atr_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -2518.745 $\pm$ 1370.305 χ^2 /NDF: 8.4/10

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

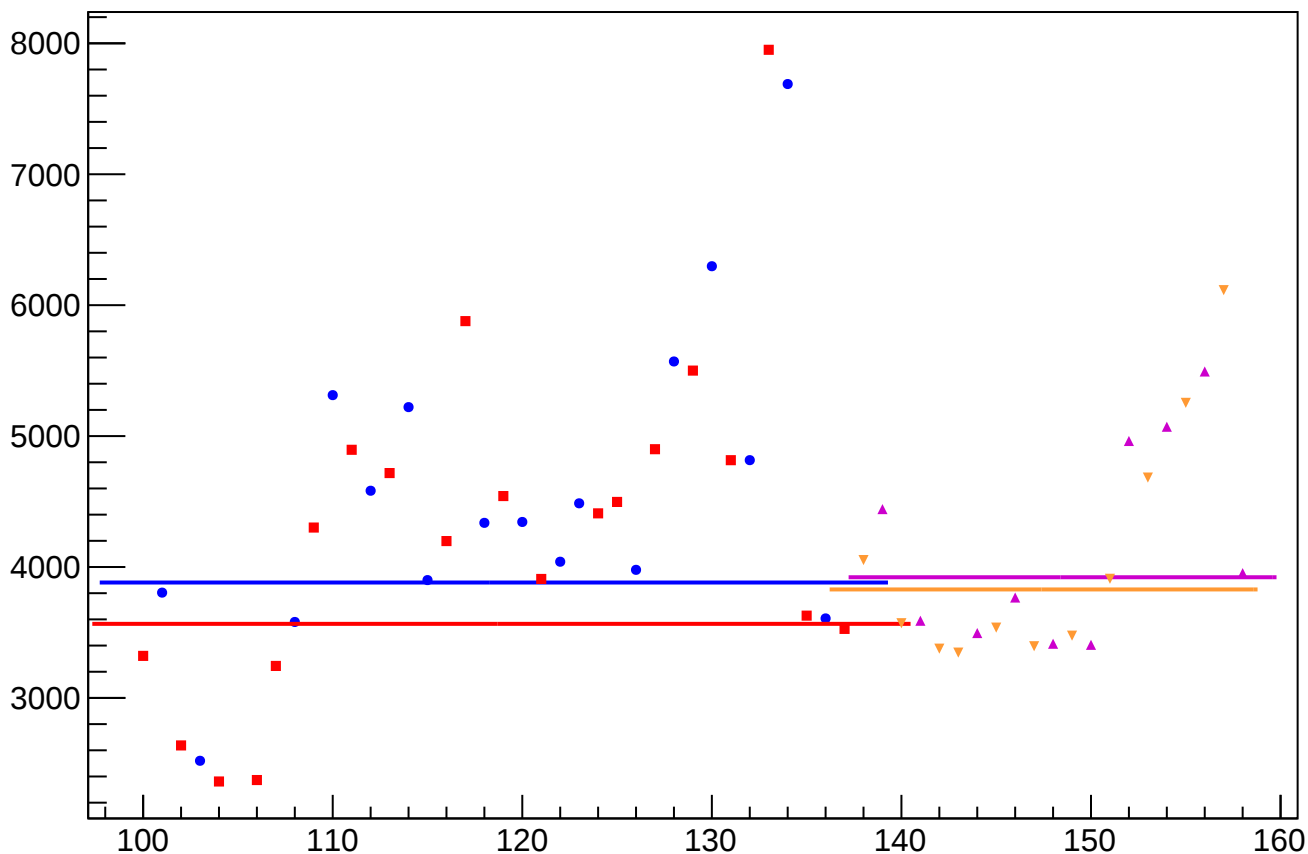
Left In: -986.580 $\pm$ 1391.268 χ^2 /NDF: 6.4/9

-564.041 $\pm$ 1028.613 χ^2 /NDF: 26.1/27

11.684 $\pm$ 713.662 χ^2 /NDF: 54.0/57

546.051 $\pm$ 990.979 χ^2 /NDF: 27.3/29

asym_atr_dd_correction_rms vs Slug, Sign Corrected



Right In: 3881.577 ± 1.101 $\chi^2/\text{NDF}: 817466.6/16$

Left Out: 3828.609 ± 0.969 $\chi^2/\text{NDF}: 488583.9/10$

Right Out: 3565.851 ± 0.998 $\chi^2/\text{NDF}: 1254973.6/19$

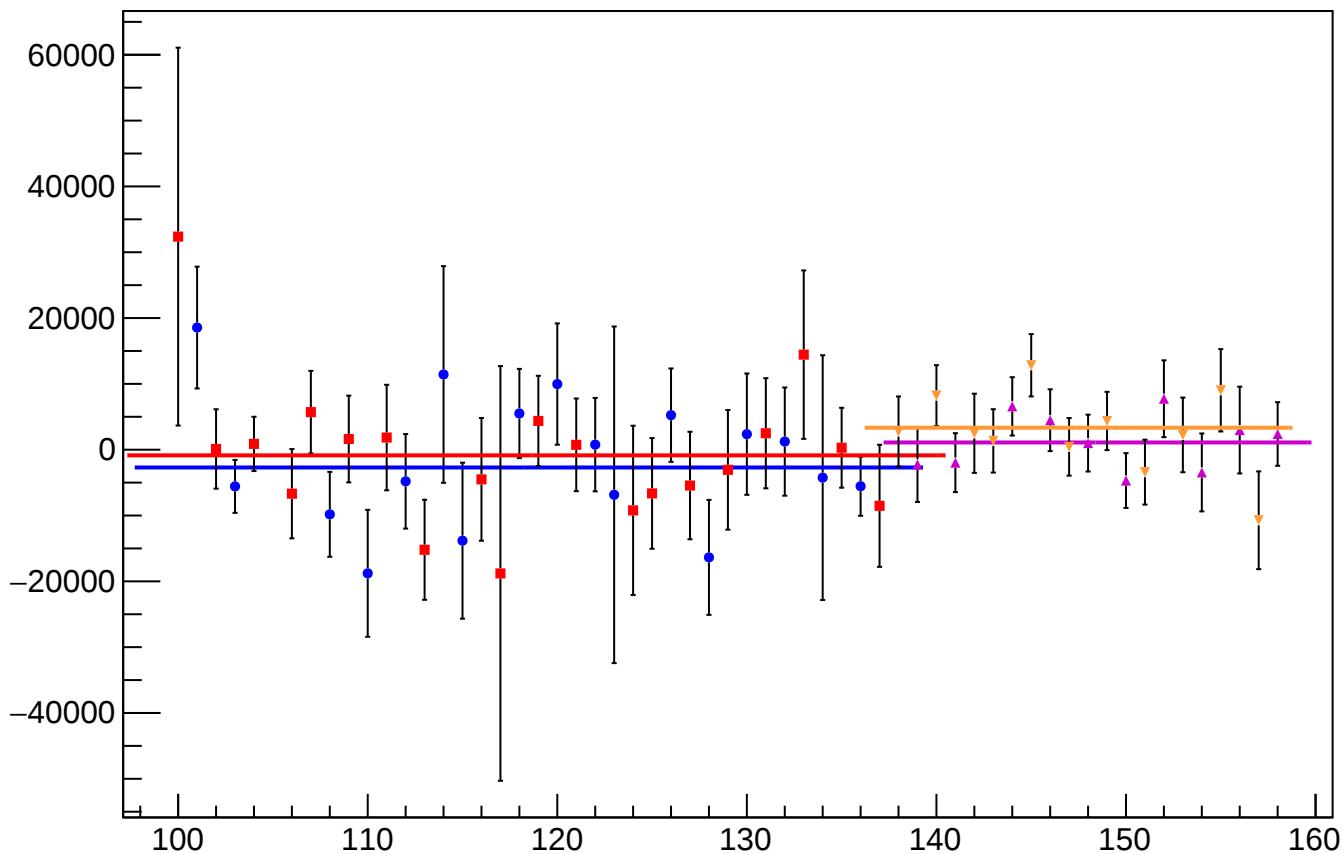
Left In: 3921.810 ± 0.984 $\chi^2/\text{NDF}: 423665.8/9$

3851.731 ± 0.727 $\chi^2/\text{NDF}: 1307355.1/27$

3797.128 ± 0.505 $\chi^2/\text{NDF}: 3061359.6/57$

3746.447 ± 0.701 $\chi^2/\text{NDF}: 1743137.6/29$

asym_atr_dd_mean vs Slug, Sign Corrected



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

Left Out: 3342.661 ± 1549.398 $\chi^2/\text{NDF}: 12.2/10$

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

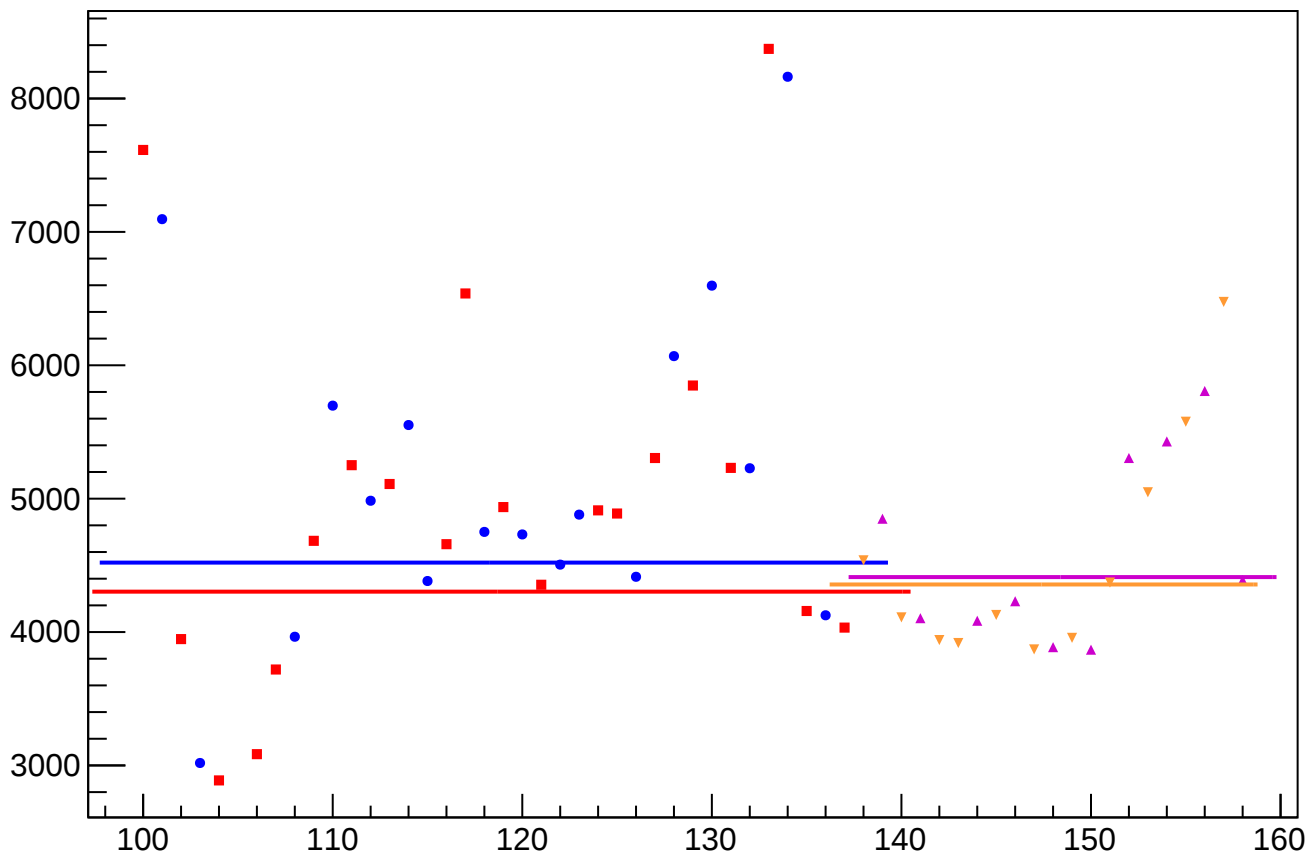
Left In: 1101.301 ± 1557.897 $\chi^2/\text{NDF}: 6.8/9$

785.442 ± 1176.783 $\chi^2/\text{NDF}: 38.3/27$

484.759 ± 820.574 $\chi^2/\text{NDF}: 57.9/57$

200.191 ± 1144.812 $\chi^2/\text{NDF}: 19.4/29$

asym_atr_dd_rms vs Slug, Sign Corrected



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

Left Out: 4356.723 $\pm$ 1.096 χ^2 /NDF: 348501.7/10

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

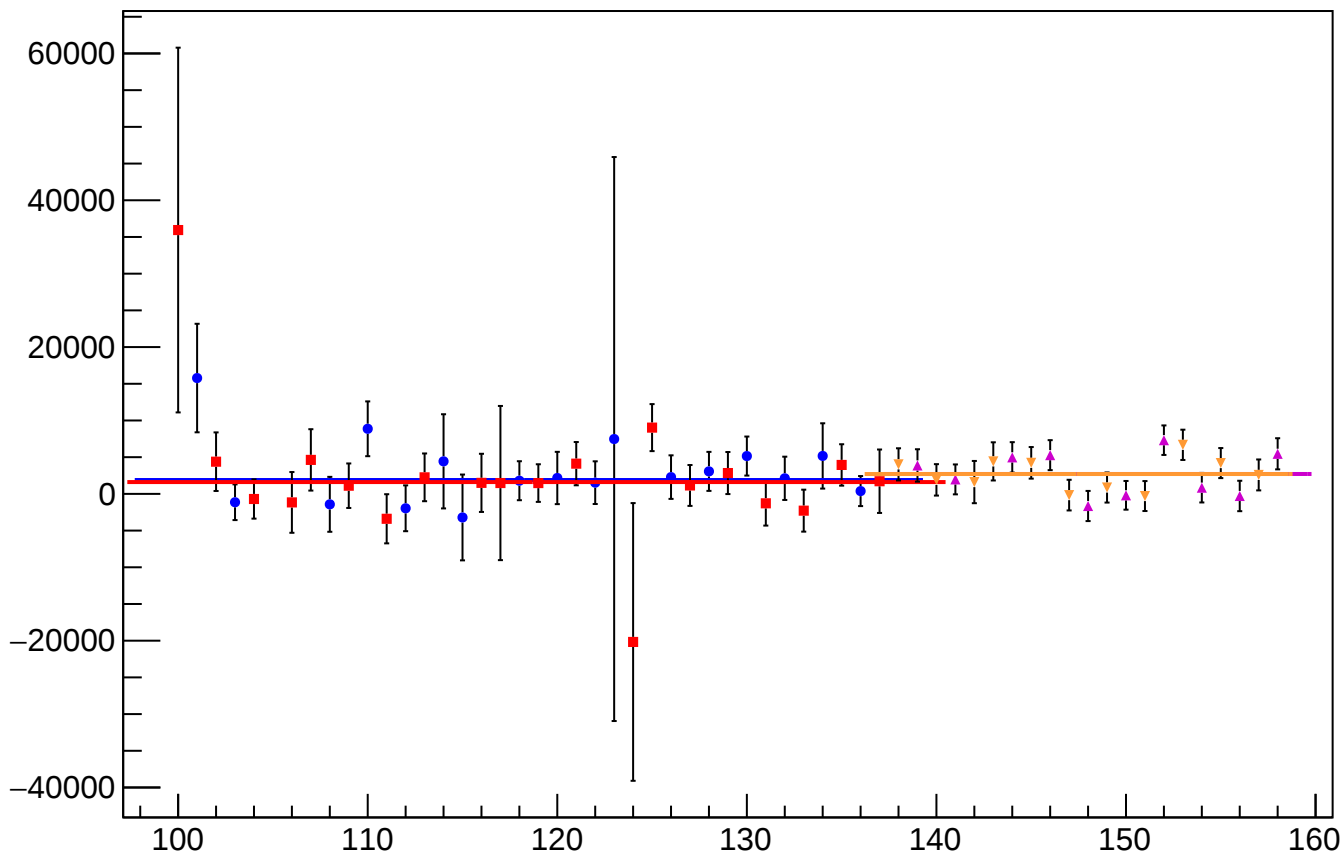
Left In: 4412.109 $\pm$ 1.102 χ^2 /NDF: 294414.2/9

4426.103 $\pm$ 0.832 χ^2 /NDF: 1128866.3/27

4392.864 $\pm$ 0.579 χ^2 /NDF: 2212813.2/57

4361.568 $\pm$ 0.807 χ^2 /NDF: 1080849.0/29

reg_asym_at1_avg_mean vs Slug, Sign Corrected



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

Left Out: 2704.893+/-656.840 χ^2/NDF : 10.7/10

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

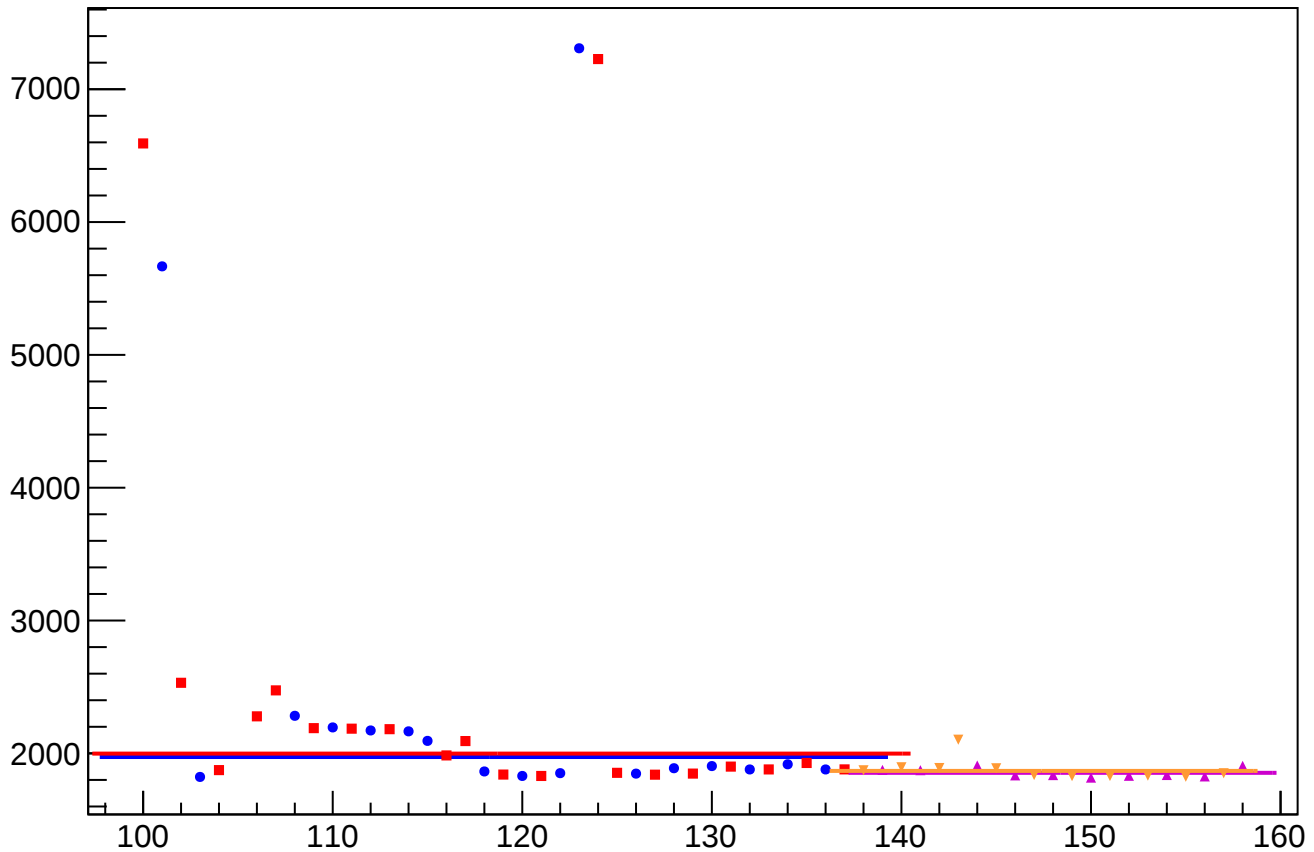
Left In: 2710.968+/-649.973 χ^2/NDF : 19.8/9

2367.861+/-503.443 χ^2/NDF : 26.0/27

2307.121+/-352.967 χ^2/NDF : 64.5/57

2248.399+/-495.006 χ^2/NDF : 38.5/29

reg_asym_at1_avg_rms vs Slug, Sign Corrected



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

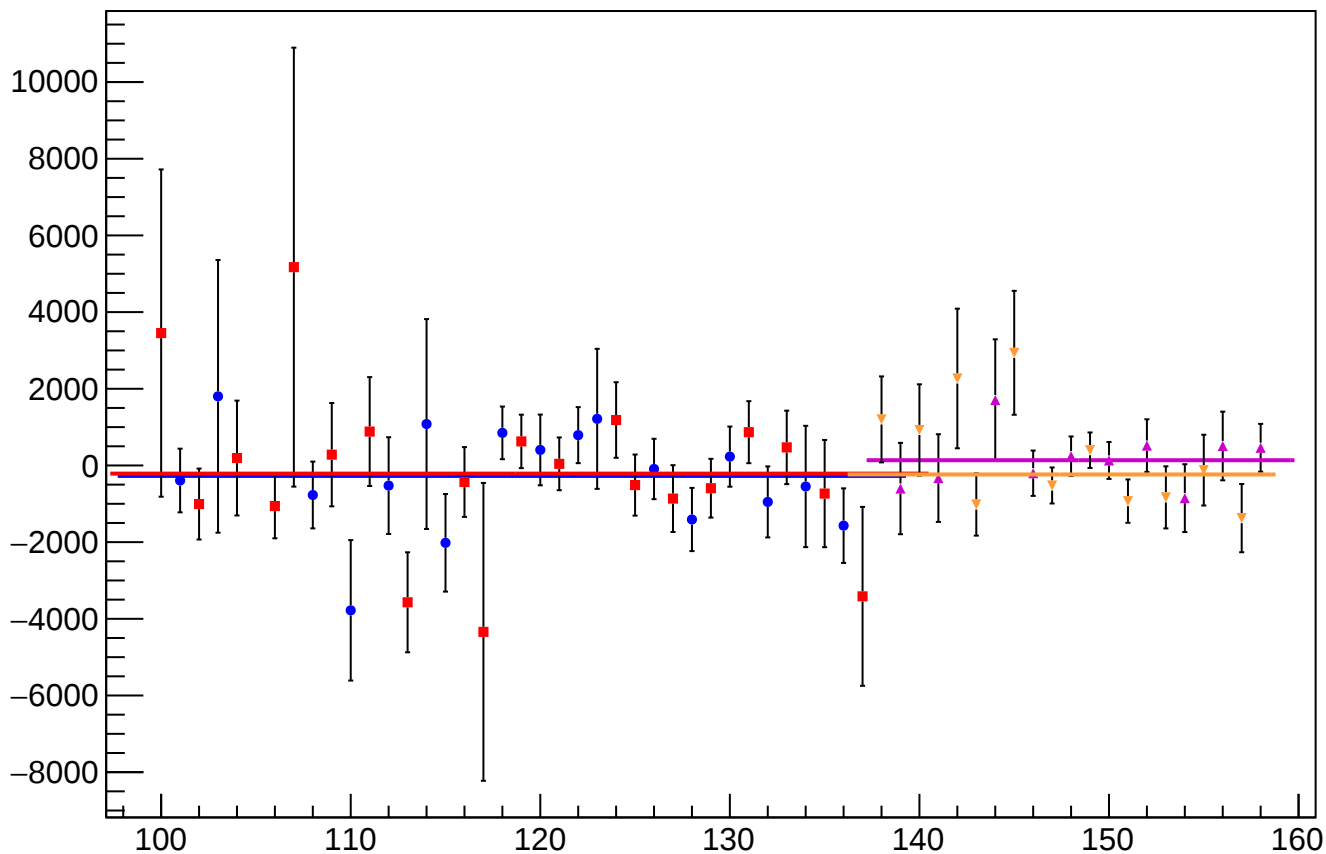
Left In: 1853.403+/-0.460 χ^2/NDF : 4747.3/9

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

1912.635+/-0.250 χ^2/NDF : 1044498.1/57

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

asym_at1_avg_correction_mean vs Slug, Sign Corrected



Right In: -271.773 ± 240.214 $\chi^2/\text{NDF}: 17.2/16$

Left Out: -234.652 ± 223.583 $\chi^2/\text{NDF}: 15.2/10$

Right Out: -212.774 ± 228.638 $\chi^2/\text{NDF}: 20.9/19$

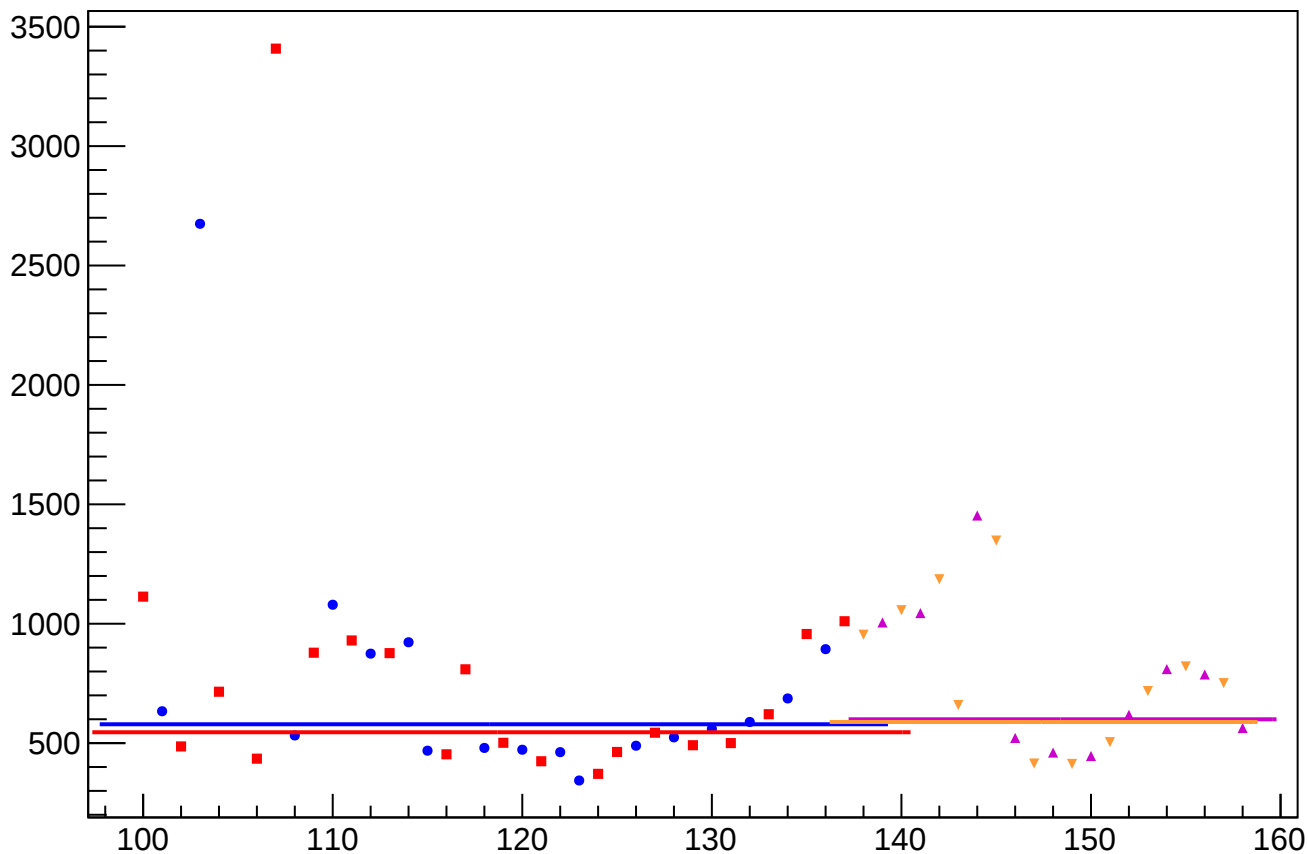
Left In: 136.506 ± 223.315 $\chi^2/\text{NDF}: 3.9/9$

-251.883 ± 163.661 $\chi^2/\text{NDF}: 32.5/27$

-140.322 ± 114.320 $\chi^2/\text{NDF}: 59.3/57$

-34.020 ± 159.756 $\chi^2/\text{NDF}: 26.0/29$

asym_at1_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 588.635 $\pm$ 0.158 χ^2 /NDF: 2047696.5/10

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

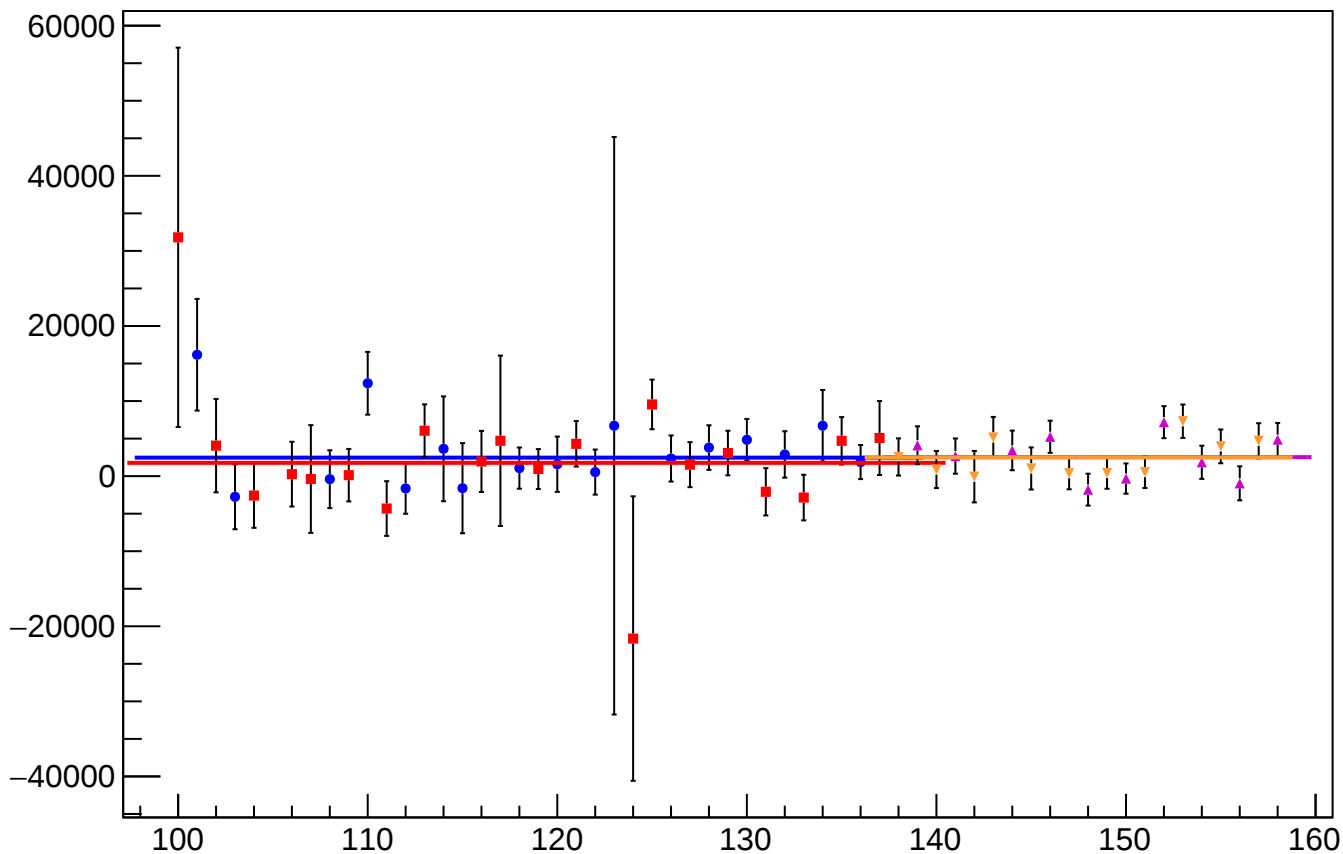
Left In: 599.822 $\pm$ 0.158 χ^2 /NDF: 1710481.9/9

584.167 $\pm$ 0.116 χ^2 /NDF: 3471565.4/27

578.625 $\pm$ 0.081 χ^2 /NDF: 6711152.5/57

573.345 $\pm$ 0.113 χ^2 /NDF: 3235108.8/29

asym_at1_avg_mean vs Slug, Sign Corrected



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

Left Out: 2496.543 $\pm$ 721.442 χ^2/NDF : 11.0/10

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

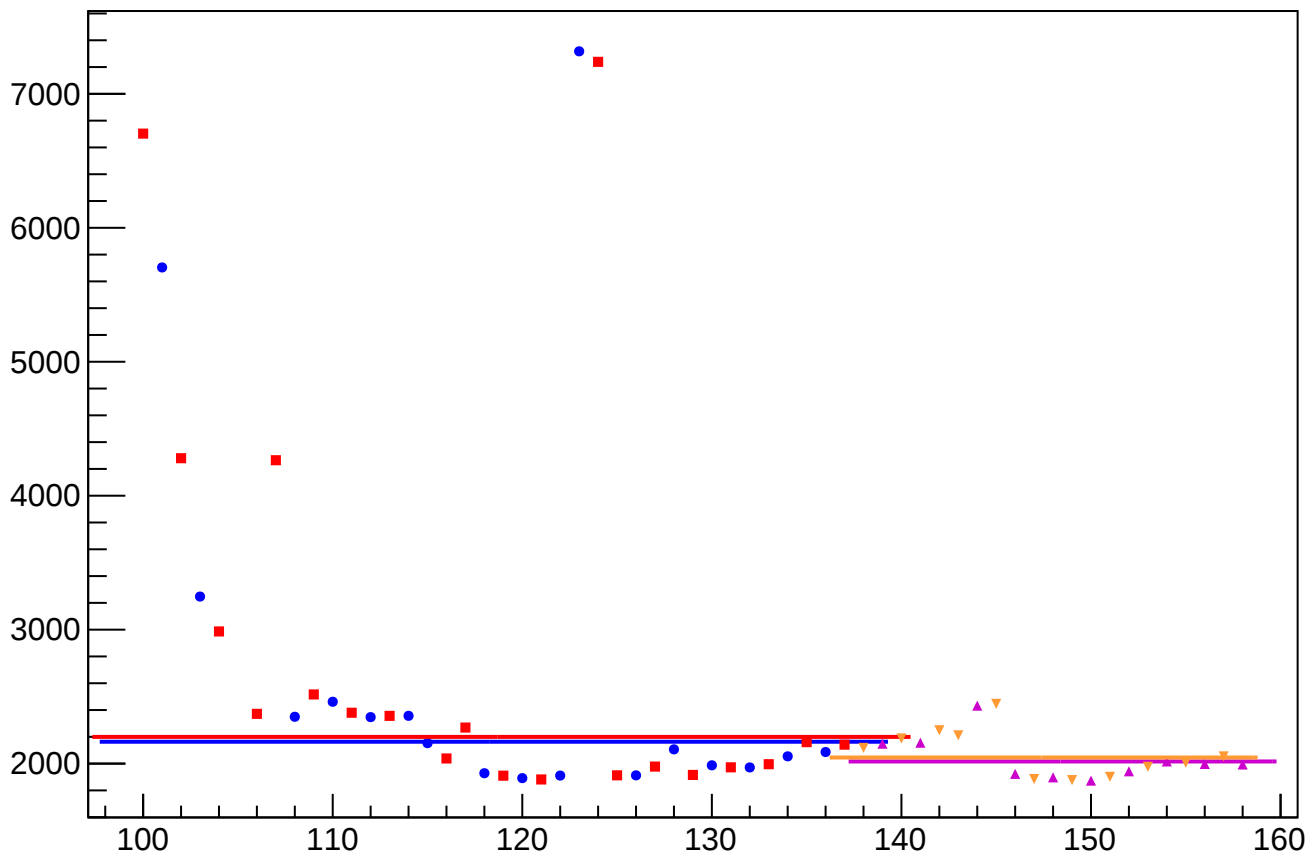
Left In: 2532.331 $\pm$ 708.755 χ^2/NDF : 16.6/9

2483.191 $\pm$ 553.561 χ^2/NDF : 26.6/27

2350.184 $\pm$ 388.213 χ^2/NDF : 64.3/57

2221.457 $\pm$ 544.581 χ^2/NDF : 37.7/29

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2163.303 ± 0.610 $\chi^2/\text{NDF}: 709584.4/16$

Left Out: 2045.555 ± 0.510 $\chi^2/\text{NDF}: 99401.0/10$

Right Out: 2199.398 ± 0.602 $\chi^2/\text{NDF}: 803373.4/19$

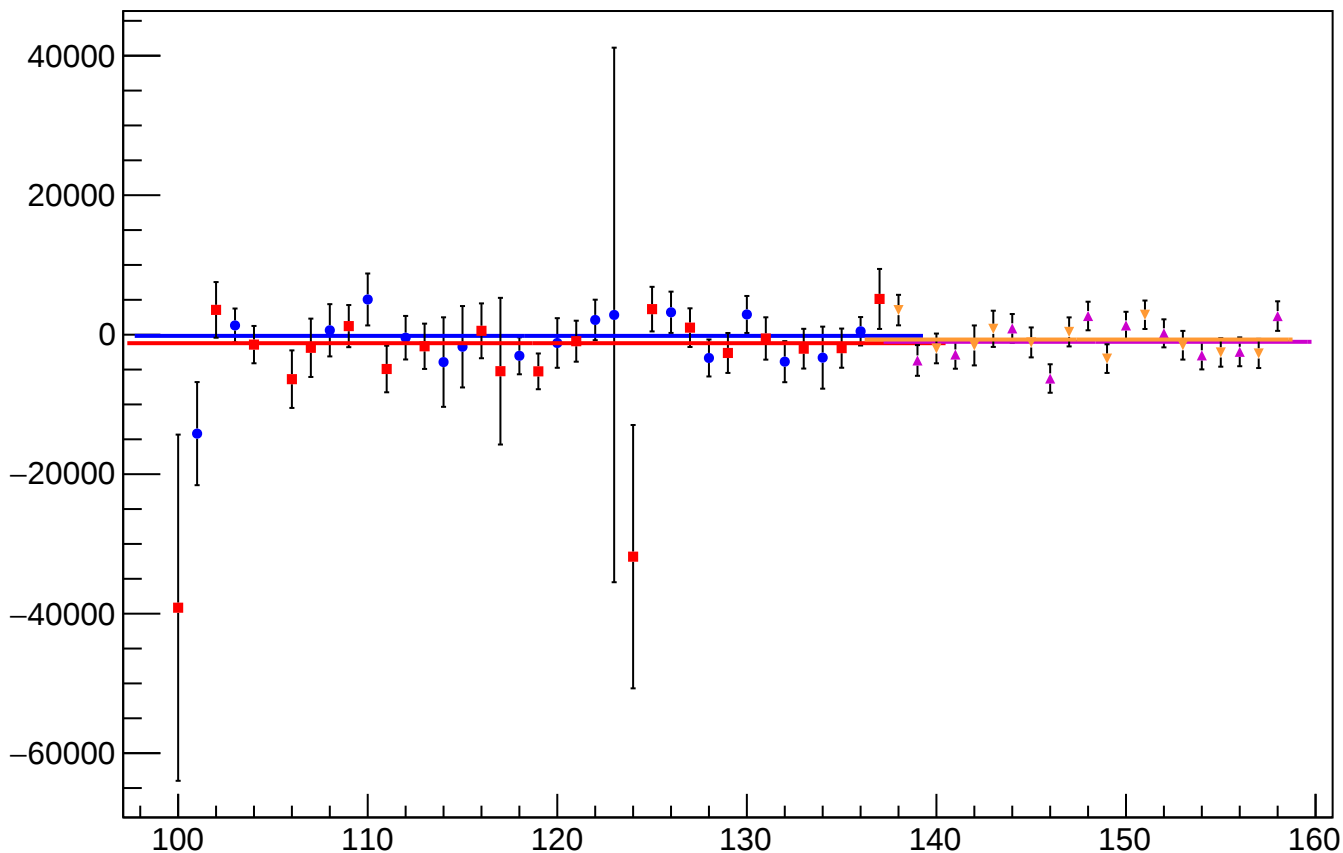
Left In: 2016.024 ± 0.501 $\chi^2/\text{NDF}: 85198.4/9$

2093.980 ± 0.391 $\chi^2/\text{NDF}: 830895.3/27$

2092.535 ± 0.275 $\chi^2/\text{NDF}: 1774333.2/57$

2091.138 ± 0.385 $\chi^2/\text{NDF}: 943411.1/29$

reg_asym_at1_dd_mean vs Slug, Sign Corrected



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

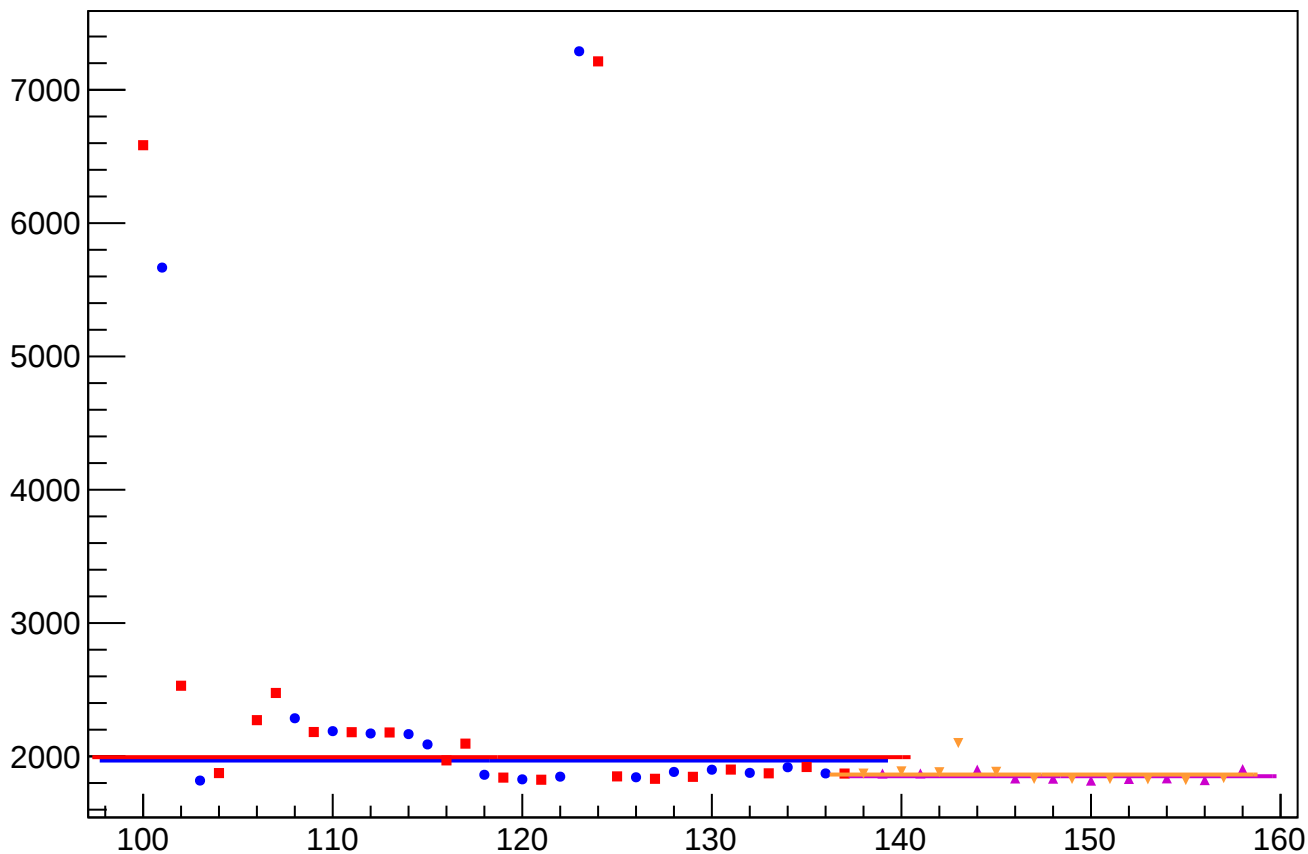
Left In: -1021.341+/-649.101 χ^2/NDF : 19.3/9

-478.014+/-502.366 χ^2/NDF : 26.3/27

-796.304+/-352.301 χ^2/NDF : 64.8/57

-1104.322+/-494.193 χ^2/NDF : 37.7/29

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1968.632 $\pm$ 0.553 χ^2/NDF : 602972.8/16

Left Out: 1863.507 $\pm$ 0.463 χ^2/NDF : 20446.7/10

Right Out: 1993.958 $\pm$ 0.539 χ^2/NDF : 356359.6/19

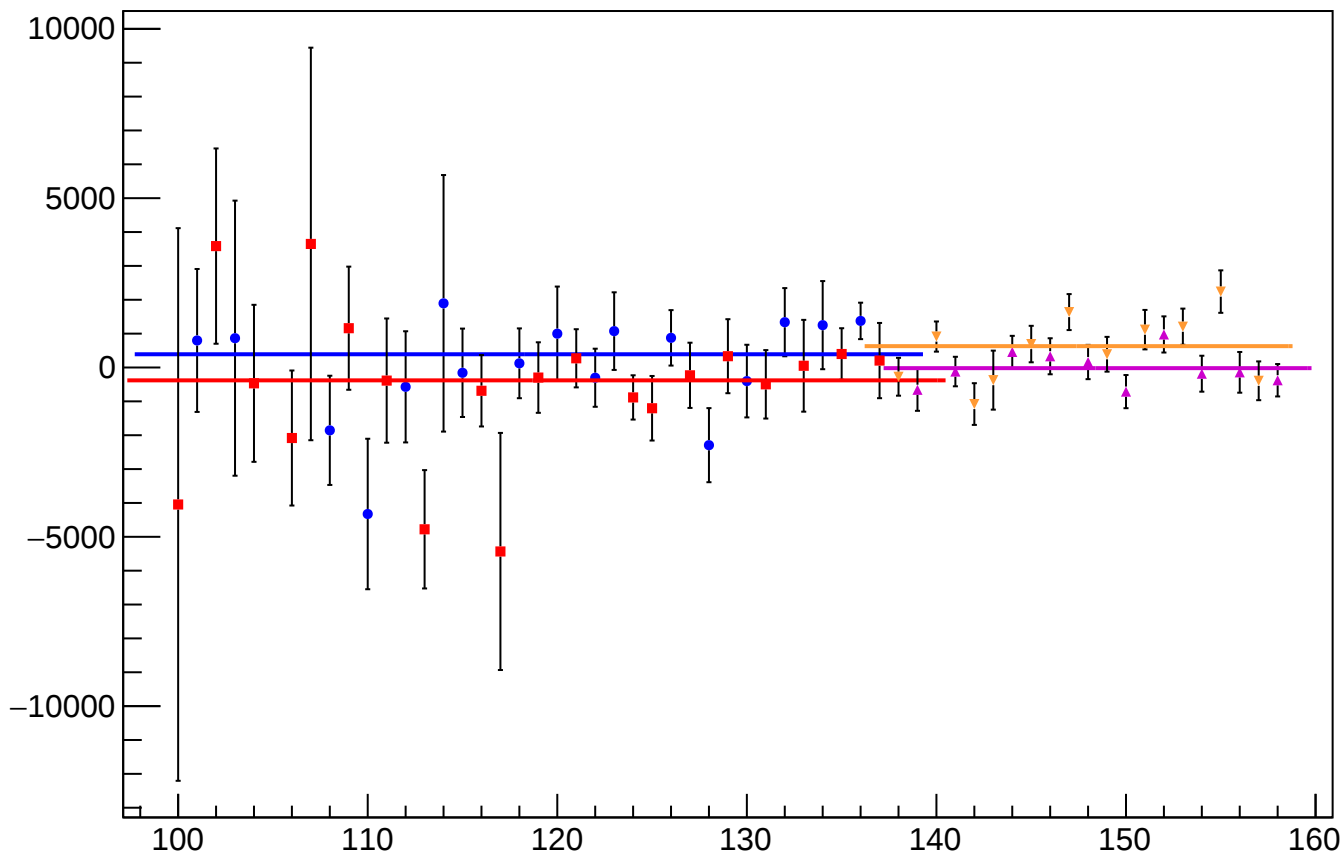
Left In: 1850.935 $\pm$ 0.459 χ^2/NDF : 4403.4/9

1906.849 $\pm$ 0.355 χ^2/NDF : 644640.9/27

1908.986 $\pm$ 0.249 χ^2/NDF : 1046290.3/57

1911.054 $\pm$ 0.349 χ^2/NDF : 401578.1/29

asym_at1_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 630.432+/-168.972 χ^2/NDF : 27.5/10

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

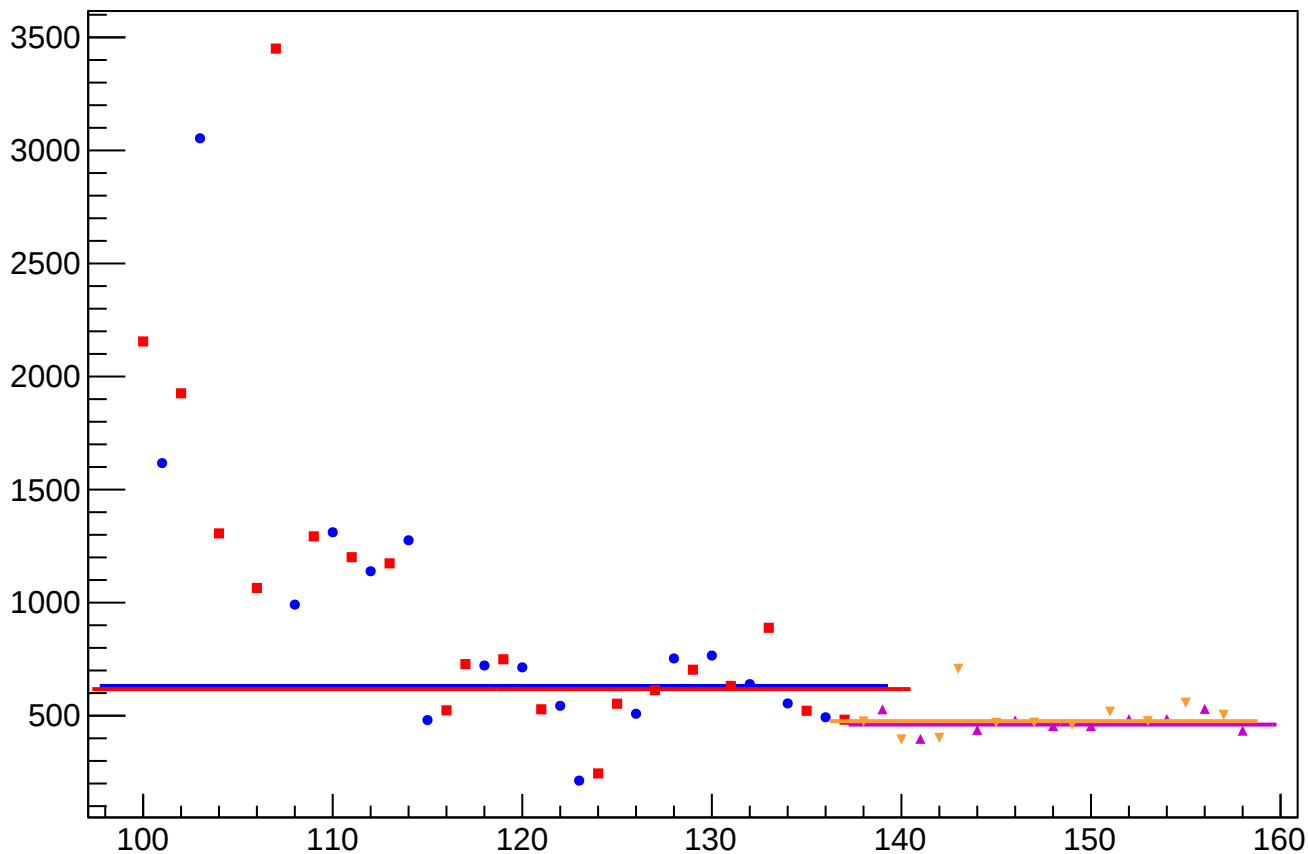
Left In: -19.337+/-162.051 χ^2/NDF : 8.9/9

563.073+/-143.254 χ^2/NDF : 48.1/27

210.926+/-99.497 χ^2/NDF : 86.3/57

-117.275+/-138.298 χ^2/NDF : 26.5/29

asym_at1_dd_correction_rms vs Slug, Sign Corrected



Right In: 631.430 $\pm$ 0.191 χ^2 /NDF: 2260692.7/16

Left Out: 476.048 $\pm$ 0.119 χ^2 /NDF: 287111.8/10

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

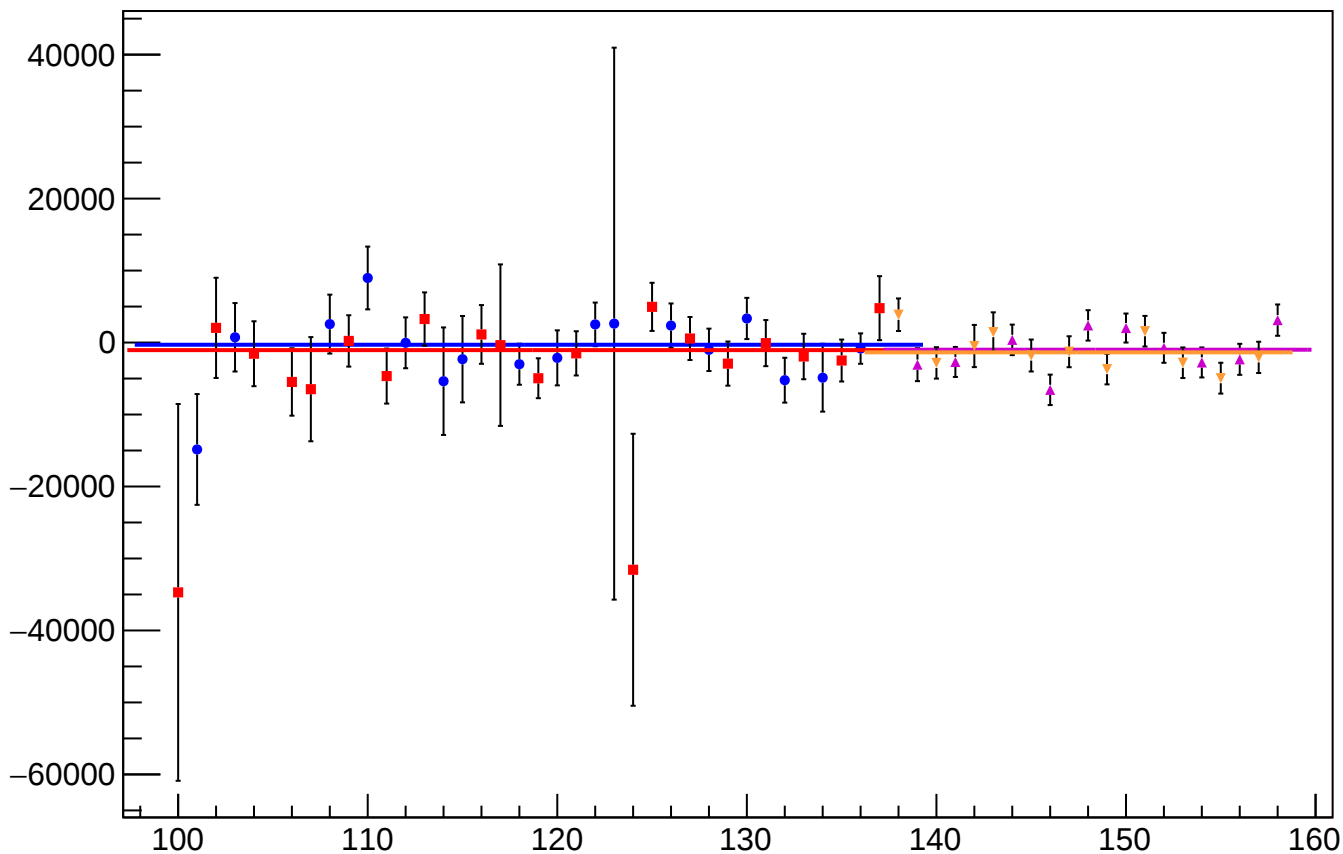
Left In: 460.819 $\pm$ 0.115 χ^2 /NDF: 114516.9/9

519.747 $\pm$ 0.101 χ^2 /NDF: 3023442.4/27

511.303 $\pm$ 0.070 χ^2 /NDF: 6464614.9/57

503.433 $\pm$ 0.098 χ^2 /NDF: 3427746.9/29

asym_at1_dd_mean vs Slug, Sign Corrected



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

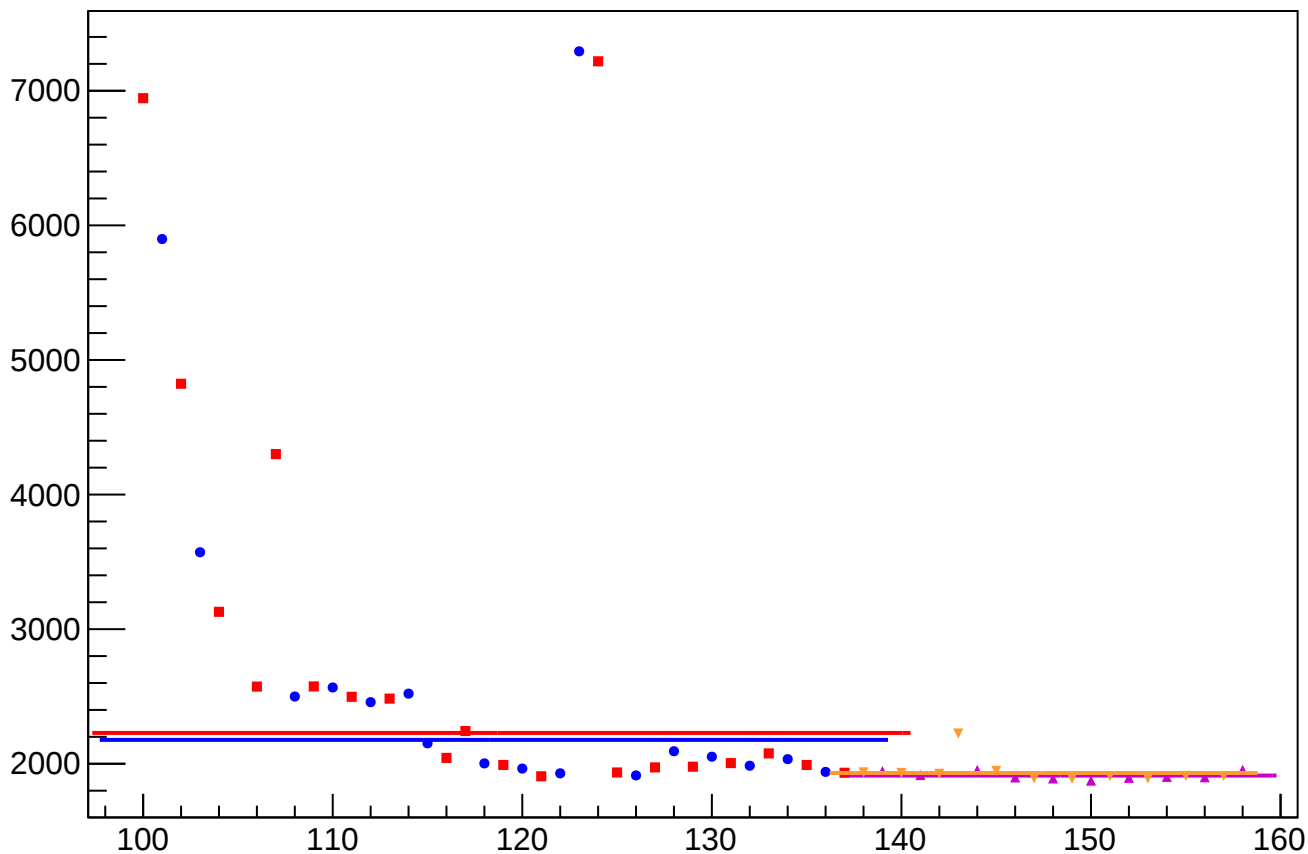
Left In: -995.183 ± 670.484 χ^2/NDF : 18.3/9

-963.387 ± 535.821 χ^2/NDF : 31.5/27

-990.381 ± 376.771 χ^2/NDF : 66.5/57

-1016.781 ± 529.897 χ^2/NDF : 35.0/29

asym_at1_dd_rms vs Slug, Sign Corrected



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

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

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

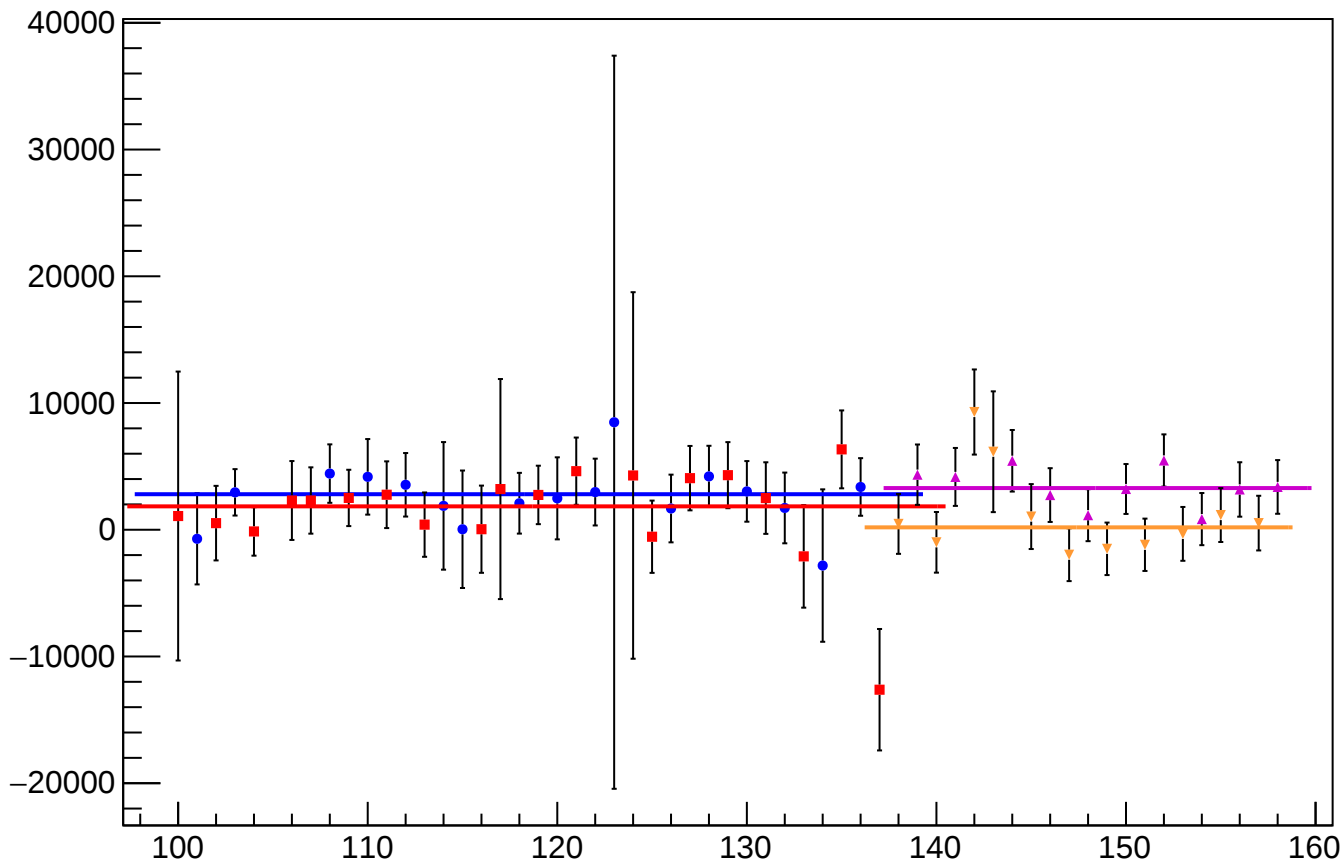
Left In: 1912.213+/-0.474 χ^2/NDF : 3236.1/9

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

2027.800+/-0.266 χ^2/NDF : 1994628.6/57

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

reg_asym_at2_avg_mean vs Slug, Sign Corrected



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

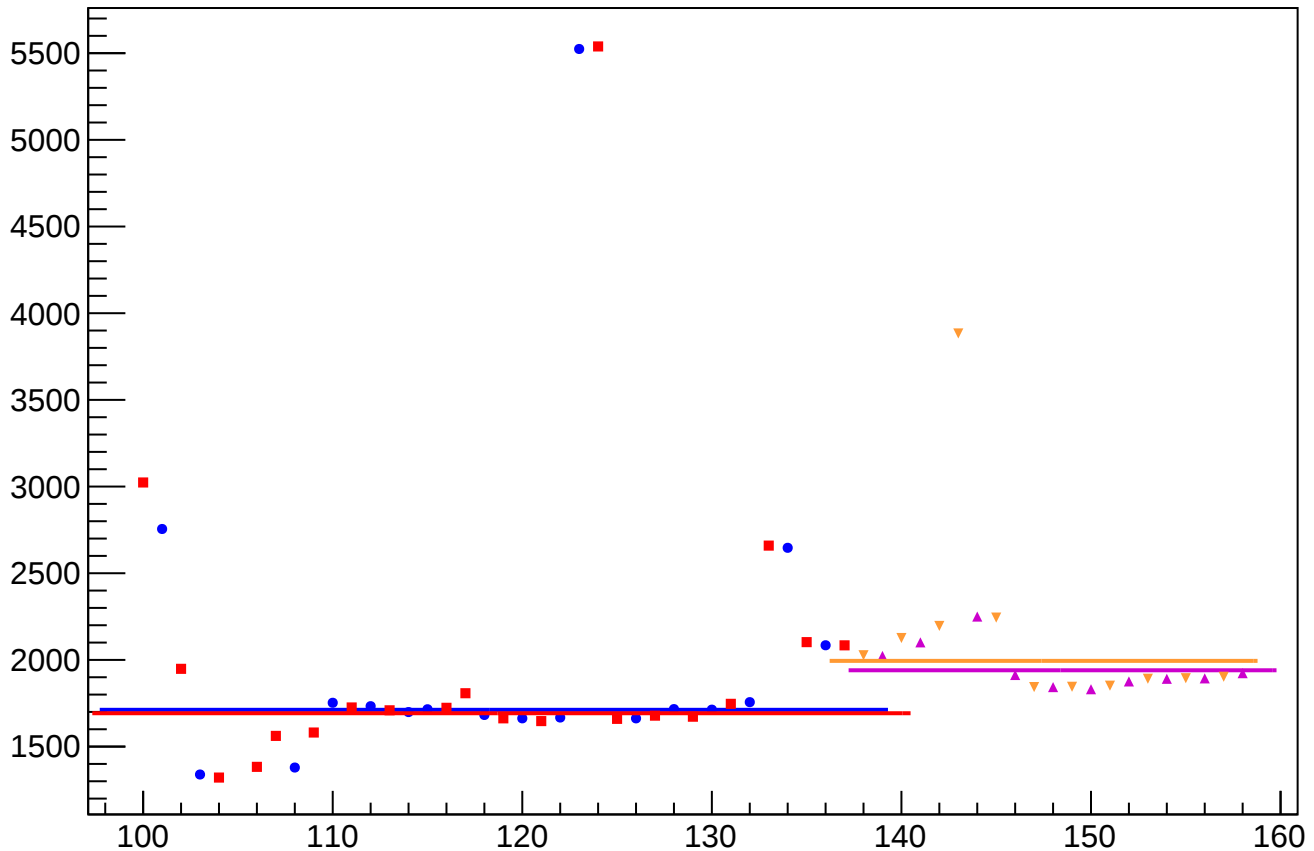
Left In: 3288.824+/-679.346 χ^2/NDF : 4.8/9

1551.640+/-489.886 χ^2/NDF : 22.8/27

2064.690+/-339.508 χ^2/NDF : 50.1/57

2538.839+/-470.947 χ^2/NDF : 25.2/29

reg_asym_at2_avg_rms vs Slug, Sign Corrected



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

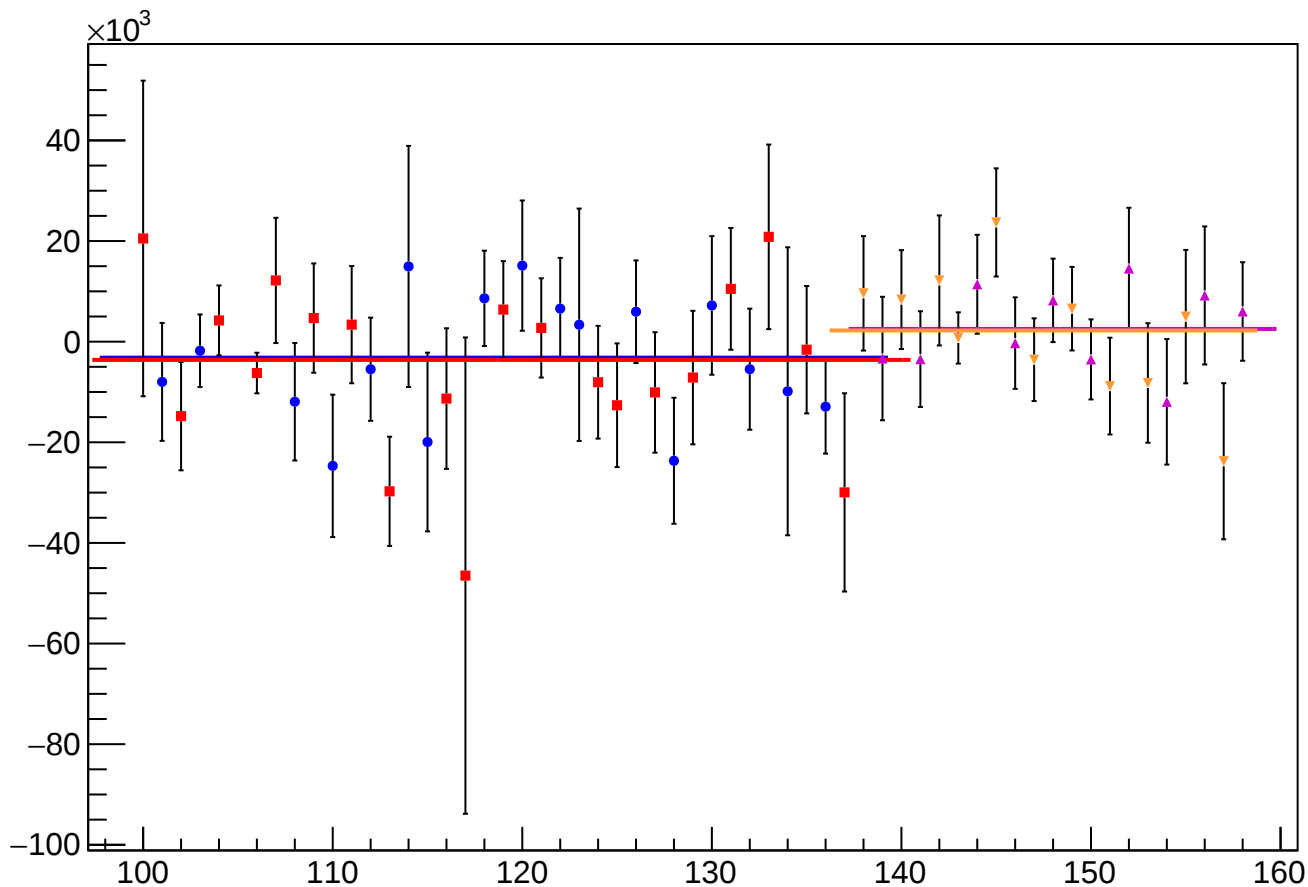
Left In: 1940.203+/-0.480 χ^2/NDF : 60030.4/9

1847.320+/-0.346 χ^2/NDF : 988407.3/27

1828.699+/-0.240 χ^2/NDF : 1647496.2/57

1811.490+/-0.333 χ^2/NDF : 653528.7/29

asym_at2_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 2225.697+/-2791.244 χ^2 /NDF: 11.2/10

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

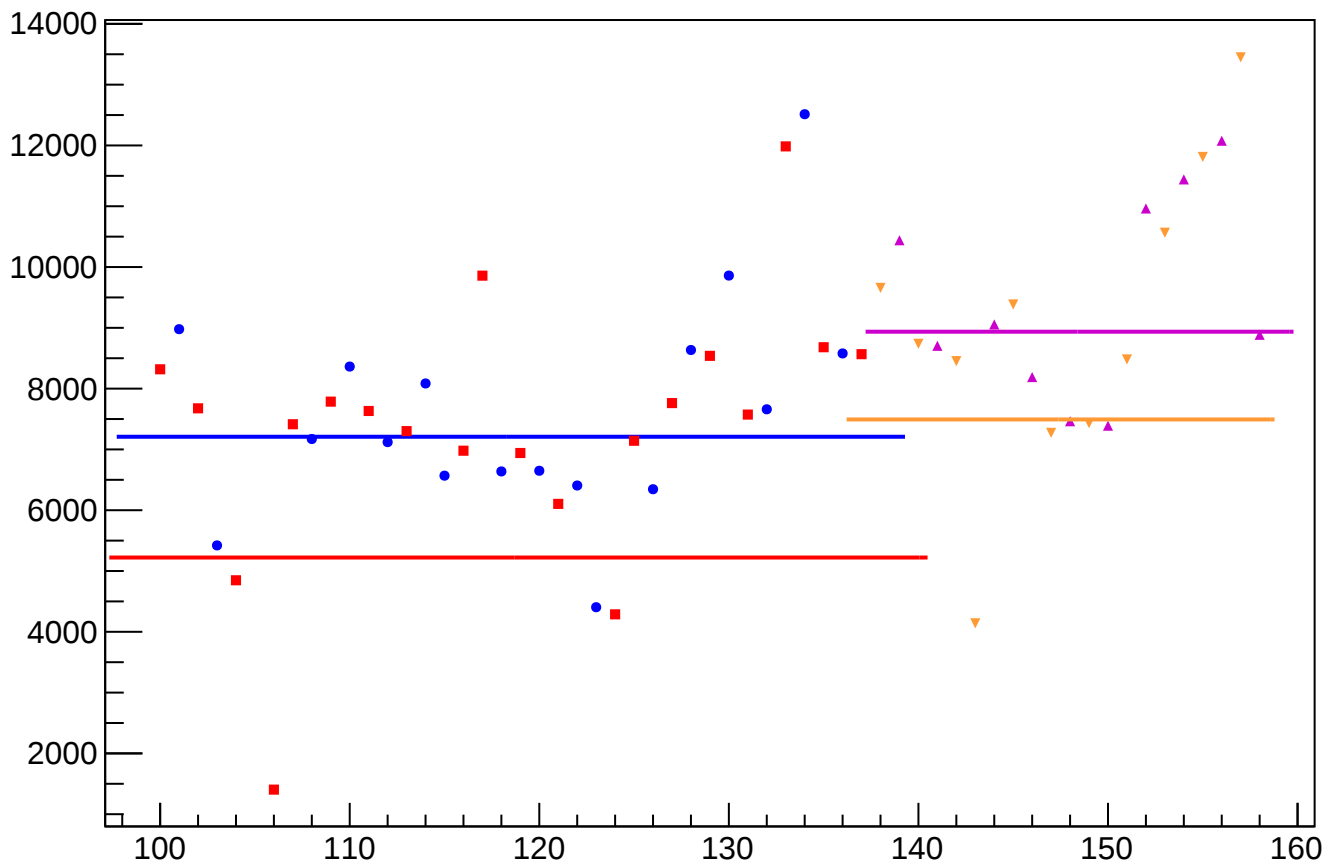
Left In: 2532.262+/-3170.043 χ^2 /NDF: 5.3/9

-415.672+/-1994.835 χ^2 /NDF: 27.4/27

-1022.955+/-1353.438 χ^2 /NDF: 55.7/57

-1540.944+/-1842.346 χ^2 /NDF: 28.1/29

asym_at2_avg_correction_rms vs Slug, Sign Corrected



Right In: 7208.567 $\pm$ 2.017 χ^2 /NDF: 469302.0/16

Left Out: 7492.920 $\pm$ 1.974 χ^2 /NDF: 1708315.5/10

Right Out: 5221.816 $\pm$ 1.601 χ^2 /NDF: 3216100.5/19

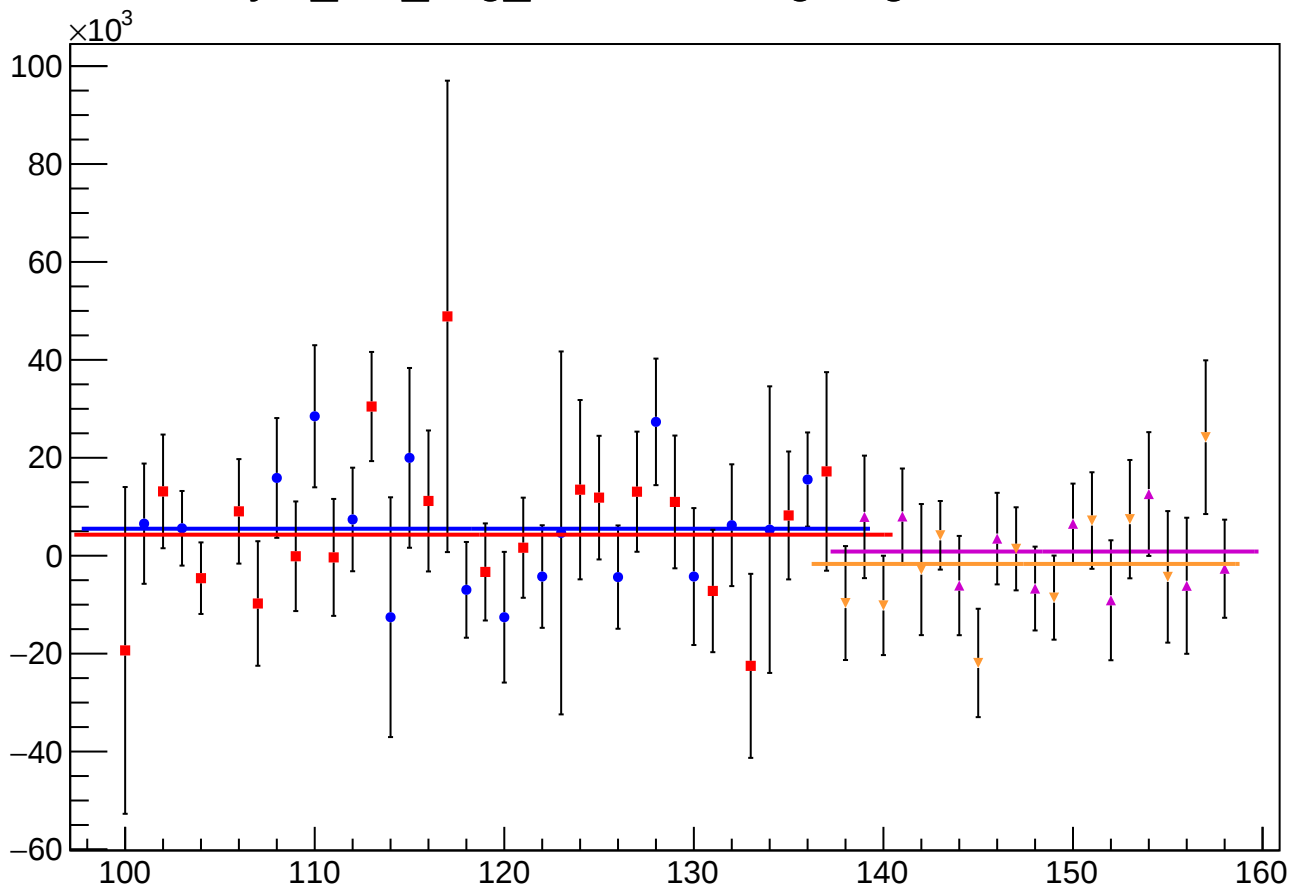
Left In: 8936.311 $\pm$ 2.242 χ^2 /NDF: 425616.0/9

7353.804 $\pm$ 1.411 χ^2 /NDF: 2187772.2/27

6880.308 $\pm$ 0.957 χ^2 /NDF: 7856777.7/57

6476.435 $\pm$ 1.303 χ^2 /NDF: 5460213.3/29

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 5509.395 $\pm$ 2971.033 χ^2 /NDF: 14.1/16

Left Out: -1679.461 $\pm$ 3080.328 χ^2 /NDF:10.1/10

Right Out: 4295.824 $\pm$ 2785.538 χ^2 /NDF: 16.3/19

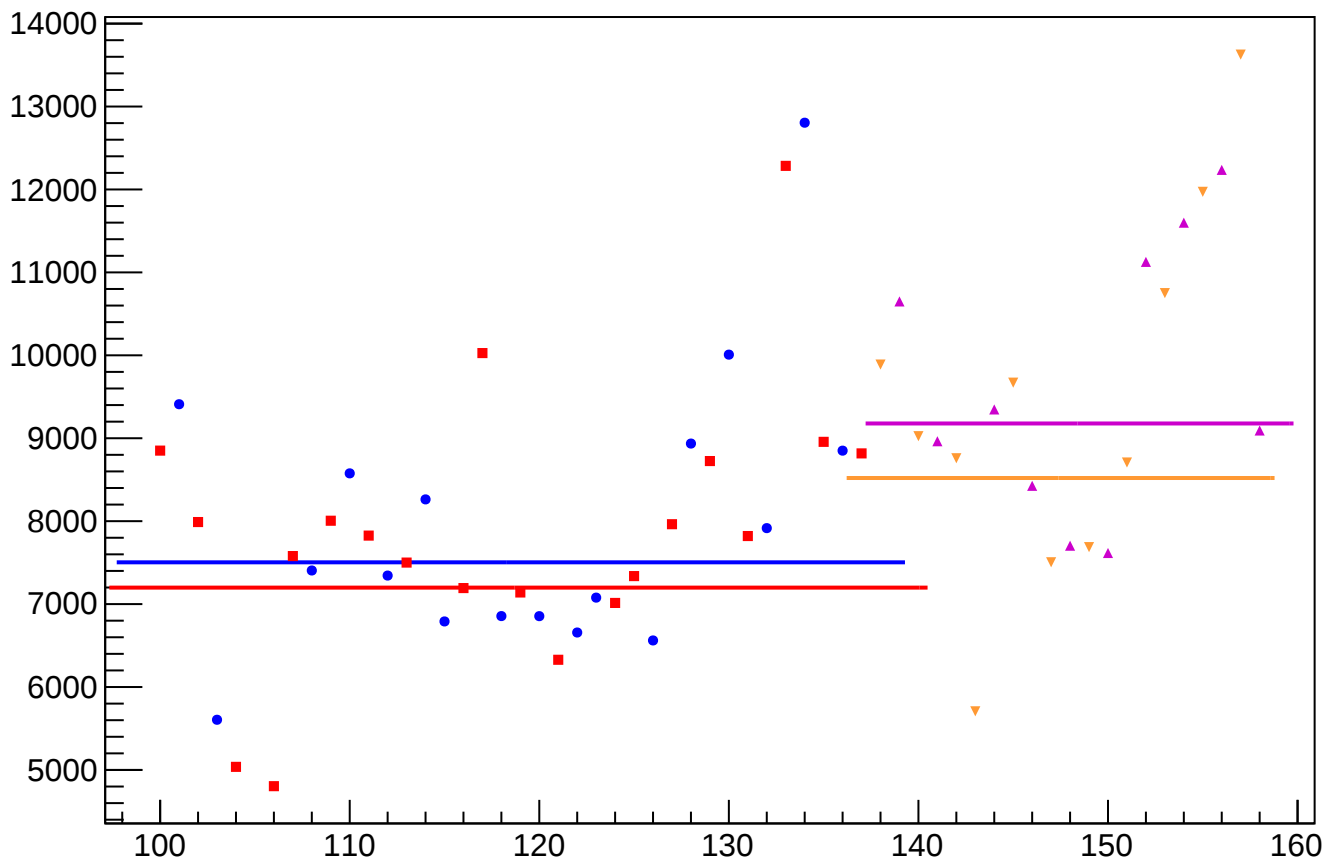
Left In: 849.635 $\pm$ 3252.055 χ^2 /NDF:4.6/9

2044.764 $\pm$ 2138.433 χ^2 /NDF: 27.0/27

2445.360 $\pm$ 1503.949 χ^2 /NDF: 48.6/57

2837.432 $\pm$ 2115.561 χ^2 /NDF: 21.5/29

asym_at2_avg_rms vs Slug, Sign Corrected



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

Left Out: 8520.524 $\pm$ 2.178 χ^2/NDF : 837188.0/10

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

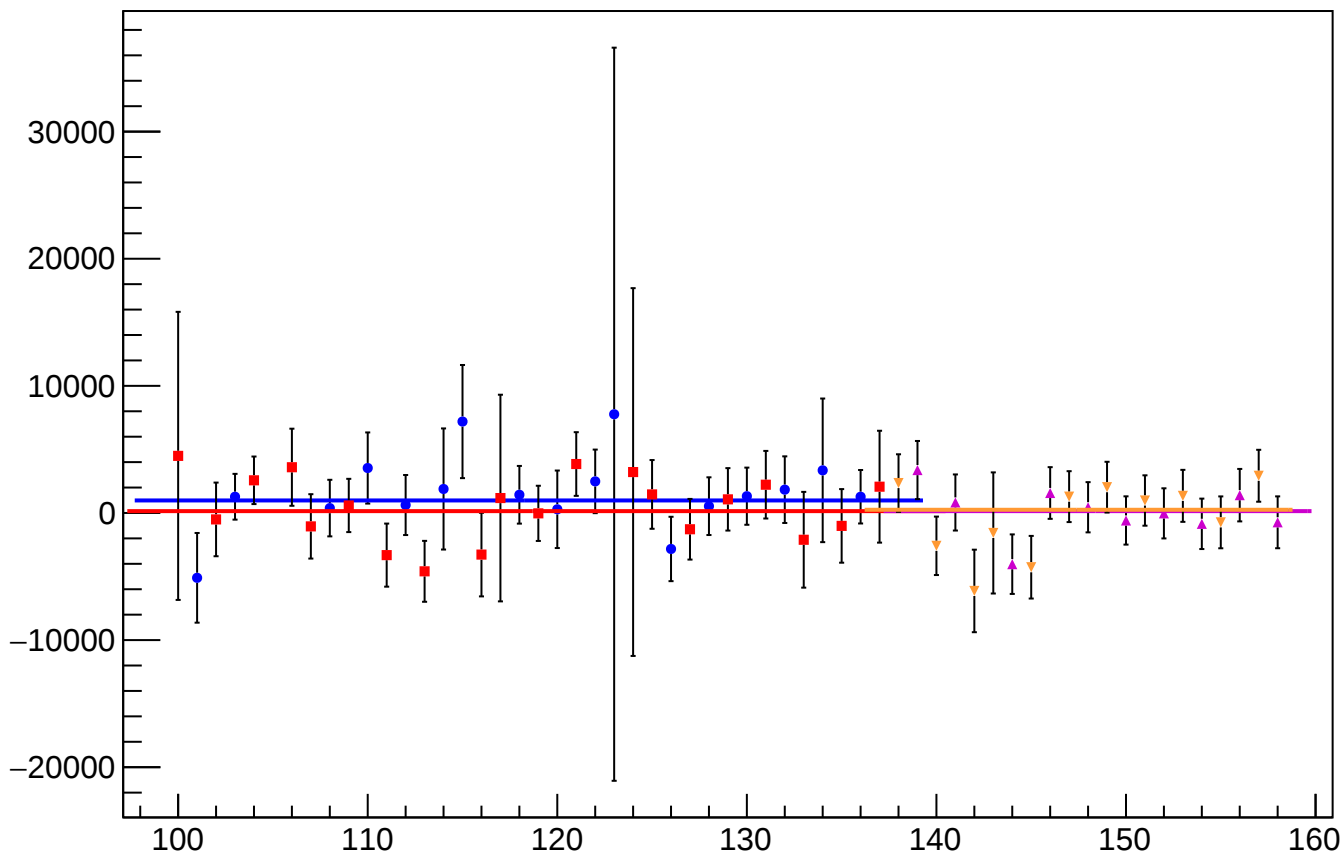
Left In: 9178.112 $\pm$ 2.300 χ^2/NDF : 394954.2/9

7993.723 $\pm$ 1.512 χ^2/NDF : 1377414.2/27

8015.221 $\pm$ 1.063 χ^2/NDF : 2764816.6/57

8036.260 $\pm$ 1.496 χ^2/NDF : 1387002.5/29

reg_asym_at2_dd_mean vs Slug, Sign Corrected



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

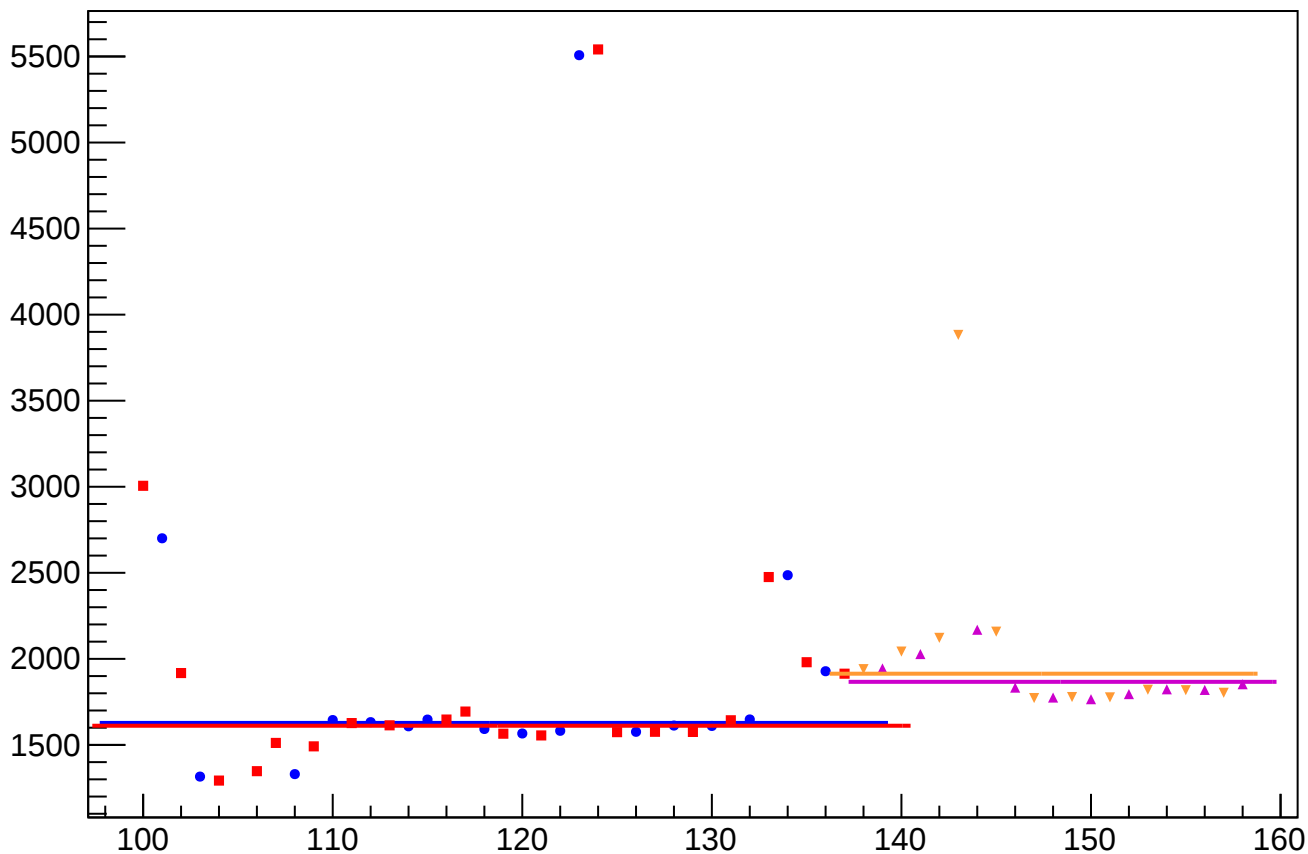
Left In: 144.706 $\pm$ 653.581 χ^2/NDF : 6.7/9

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

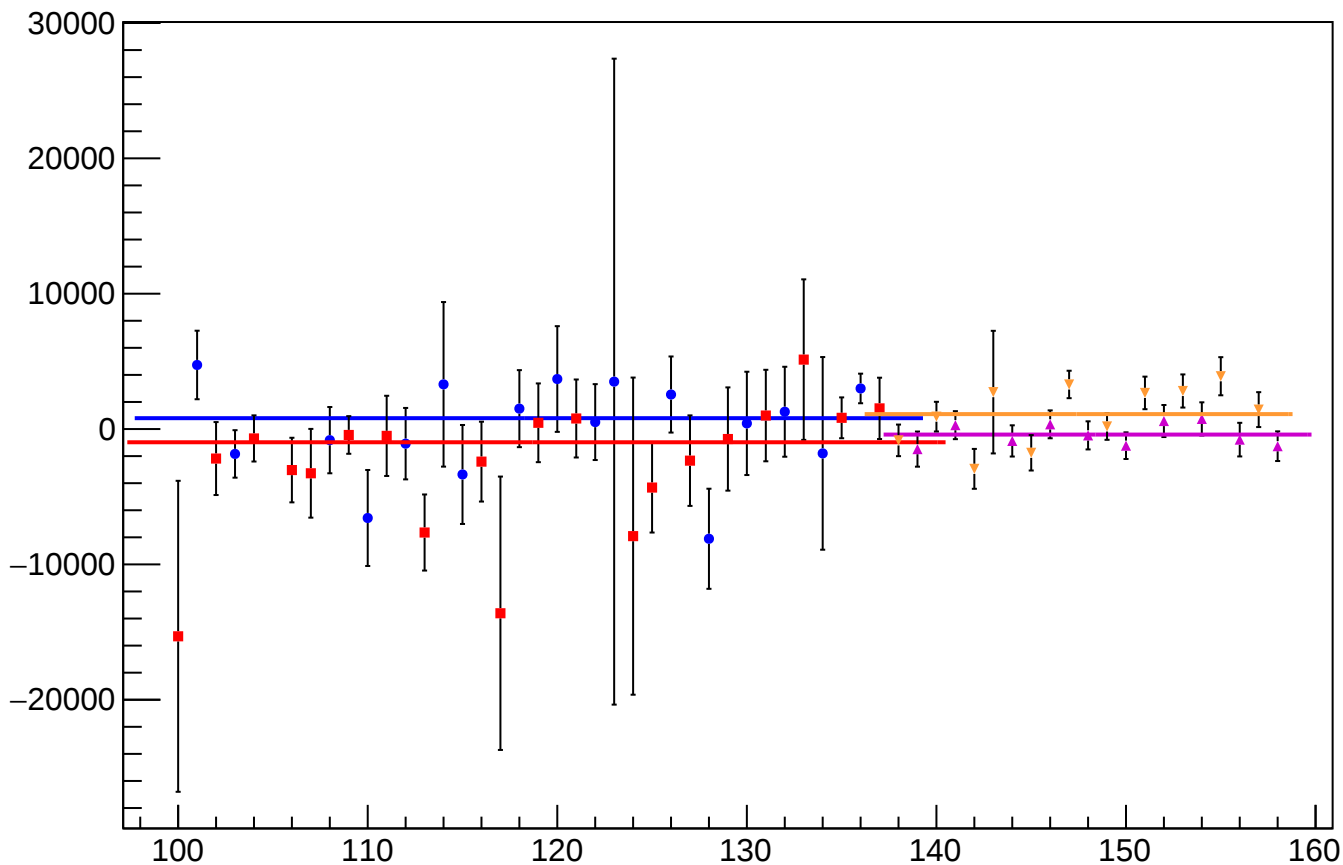
381.975 $\pm$ 324.492 χ^2/NDF : 44.9/57

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

reg_asym_at2_dd_rms vs Slug, Sign Corrected



asym_at2_dd_correction_mean vs Slug, Sign Corrected



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

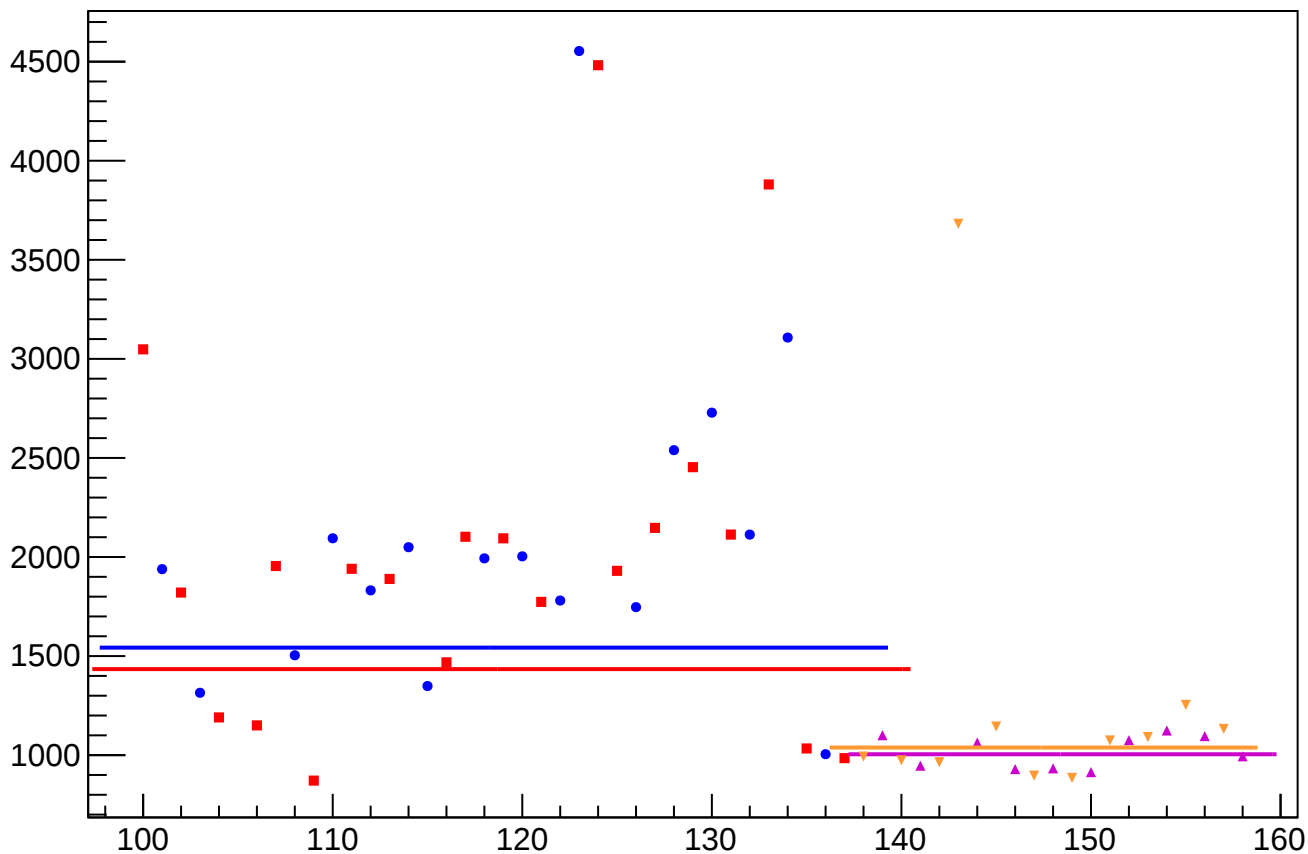
Left In: -408.613 $\pm$ 352.640 χ^2 /NDF: 4.9/9

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

183.257 $\pm$ 220.572 χ^2 /NDF: 86.2/57

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

asym_at2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1542.705 $\pm$ 0.447 χ^2 /NDF: 1287946.3/16

Left Out: 1038.432 $\pm$ 0.265 χ^2 /NDF: 859530.5/10

Right Out: 1434.290 $\pm$ 0.416 χ^2 /NDF: 1832587.0/19

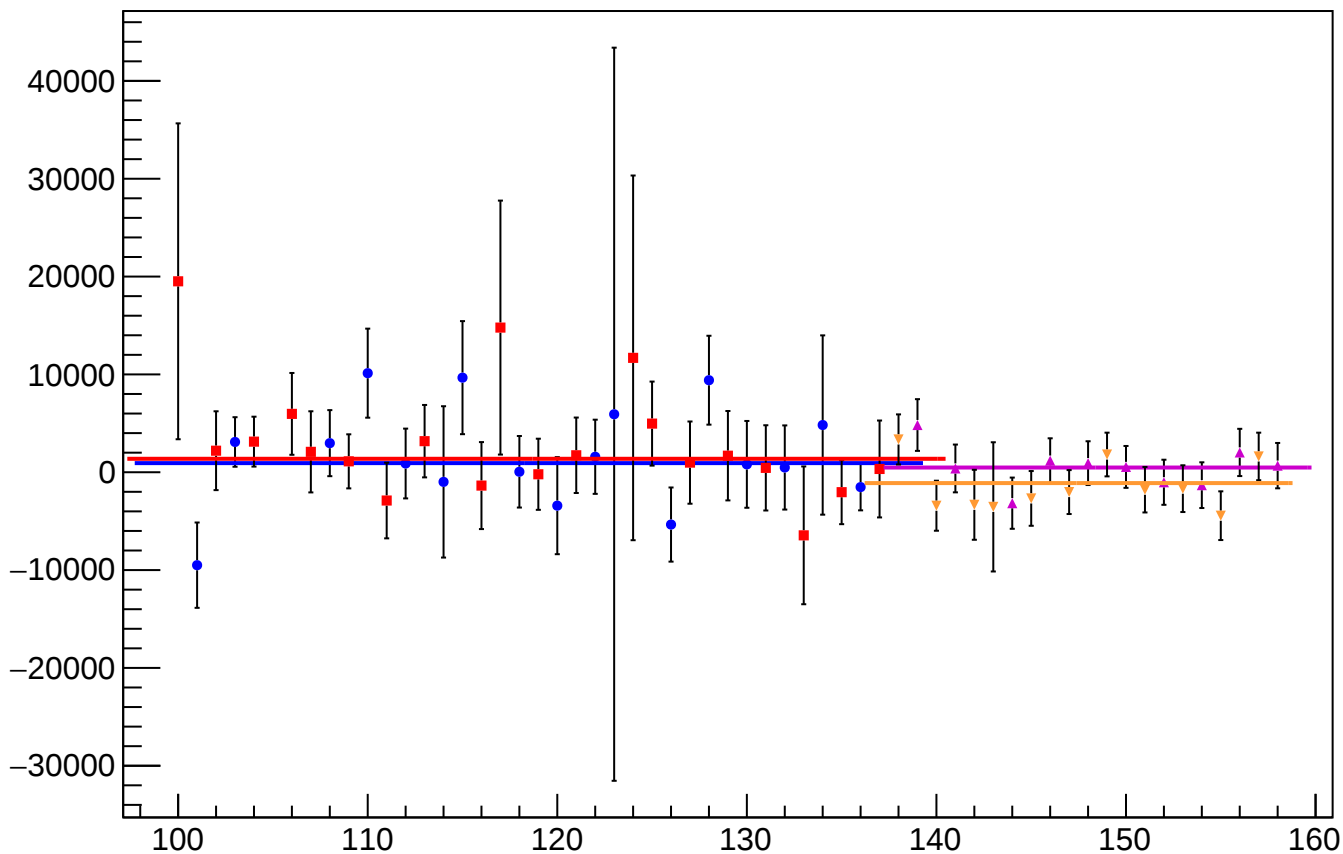
Left In: 1004.476 $\pm$ 0.249 χ^2 /NDF: 96538.2/9

1169.703 $\pm$ 0.228 χ^2 /NDF: 3090274.8/27

1142.201 $\pm$ 0.156 χ^2 /NDF: 5831338.8/57

1117.969 $\pm$ 0.214 χ^2 /NDF: 2713668.7/29

asym_at2_dd_mean vs Slug, Sign Corrected



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

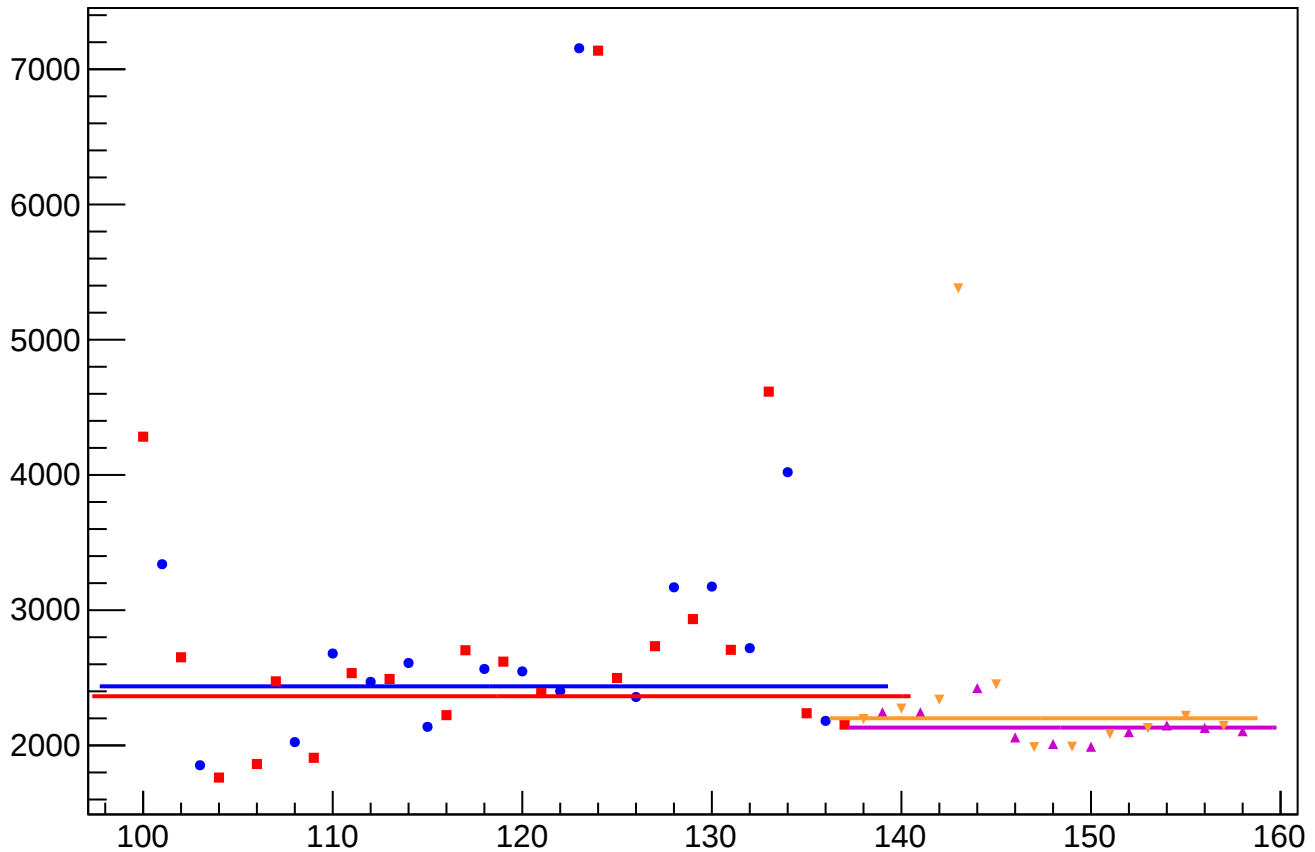
Left In: 481.554+/-746.214 χ^2/NDF : 6.2/9

-298.815+/-609.519 χ^2/NDF : 34.0/27

295.937+/-420.288 χ^2/NDF : 52.2/57

835.050+/-580.309 χ^2/NDF : 16.3/29

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2436.855 ± 0.684 $\chi^2/\text{NDF}: 469030.2/16$

Left Out: 2200.890 ± 0.555 $\chi^2/\text{NDF}: 527871.6/10$

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

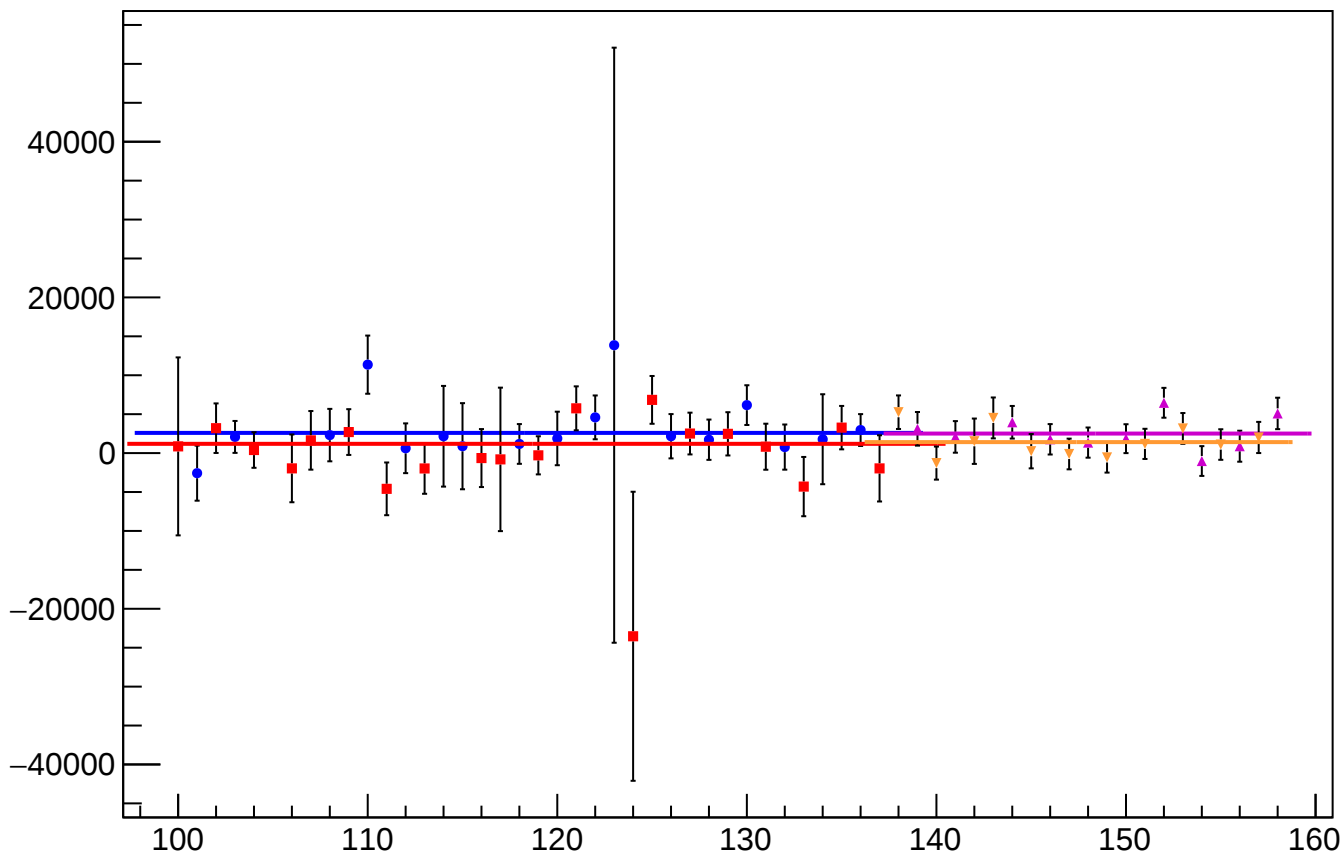
Left In: 2131.783 ± 0.528 $\chi^2/\text{NDF}: 50332.1/9$

2294.458 ± 0.431 $\chi^2/\text{NDF}: 1068628.9/27$

2257.190 ± 0.297 $\chi^2/\text{NDF}: 1866735.7/57$

2223.408 ± 0.410 $\chi^2/\text{NDF}: 783852.2/29$

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



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

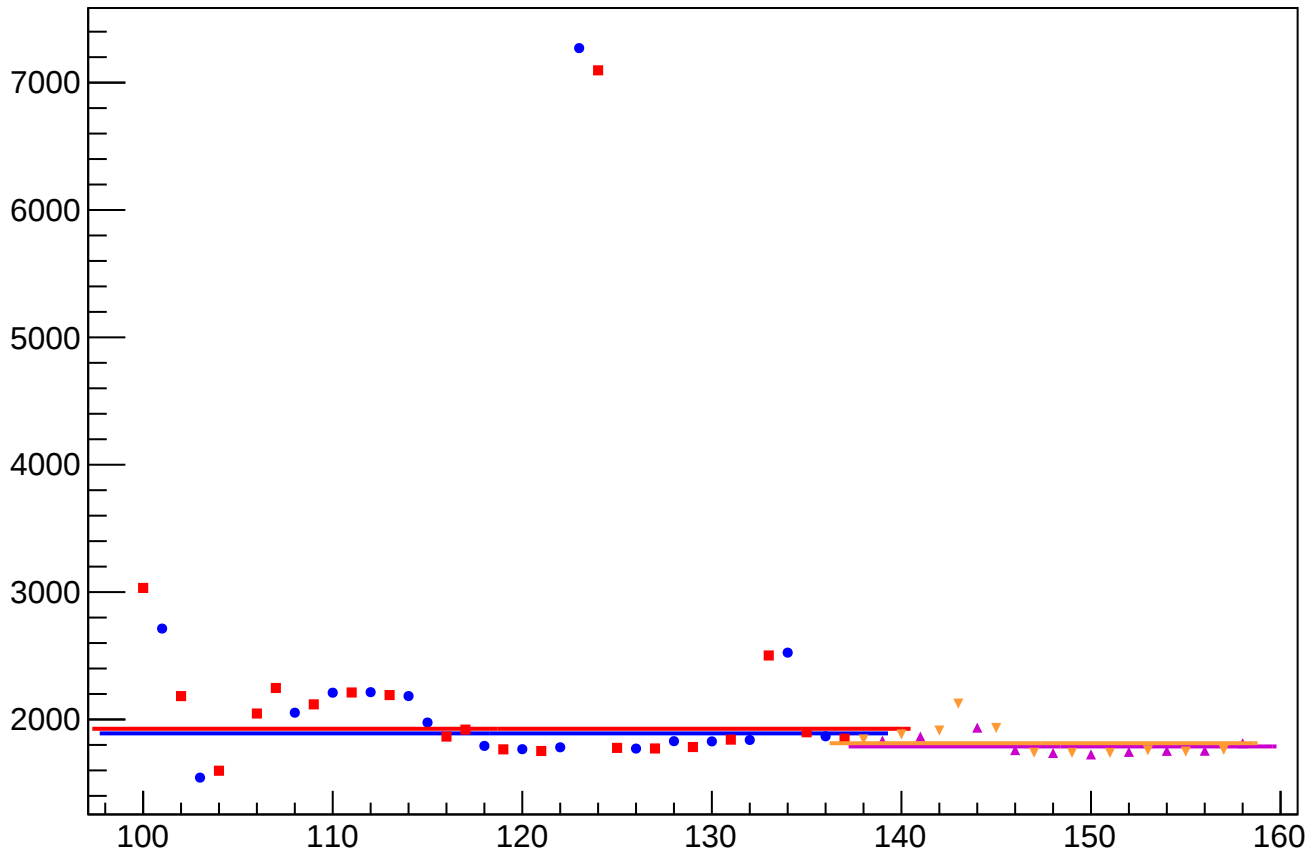
Left In: 2509.090+/-626.606 χ^2/NDF : 11.2/9

1913.622+/-484.069 χ^2/NDF : 22.1/27

1934.961+/-339.925 χ^2/NDF : 52.5/57

1955.721+/-477.453 χ^2/NDF : 30.3/29

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



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

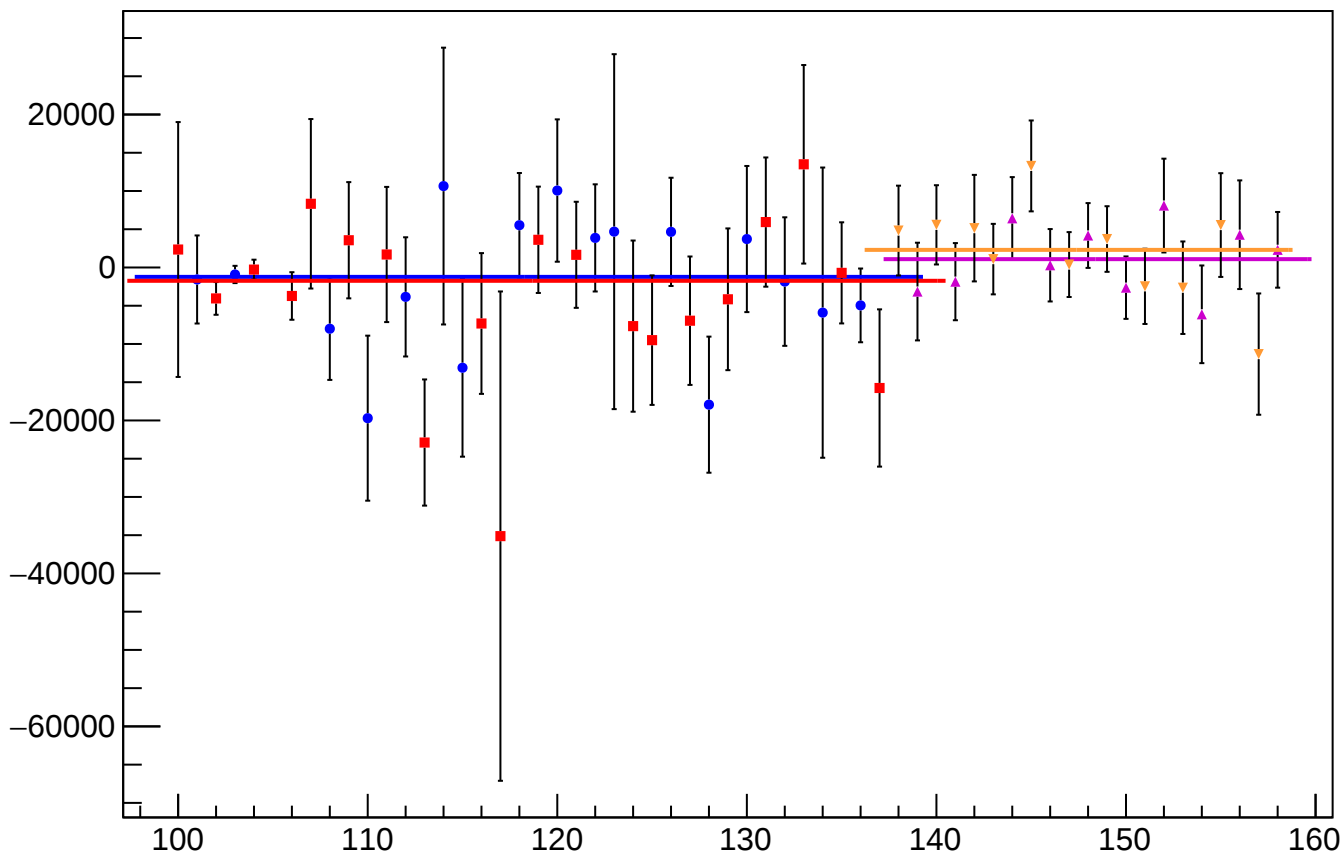
Left In: 1788.087+/-0.443 χ^2/NDF : 20444.9/9

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

1846.297+/-0.240 χ^2/NDF : 778197.1/57

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

asym_atl1r2_avg_correction_mean vs Slug, Sign Corrected



Right In: -1226.915 $\pm$ 984.603 χ^2 /NDF: 13.8/16

Left Out: 2302.443 $\pm$ 1625.408 χ^2 /NDF: 9.3/10

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

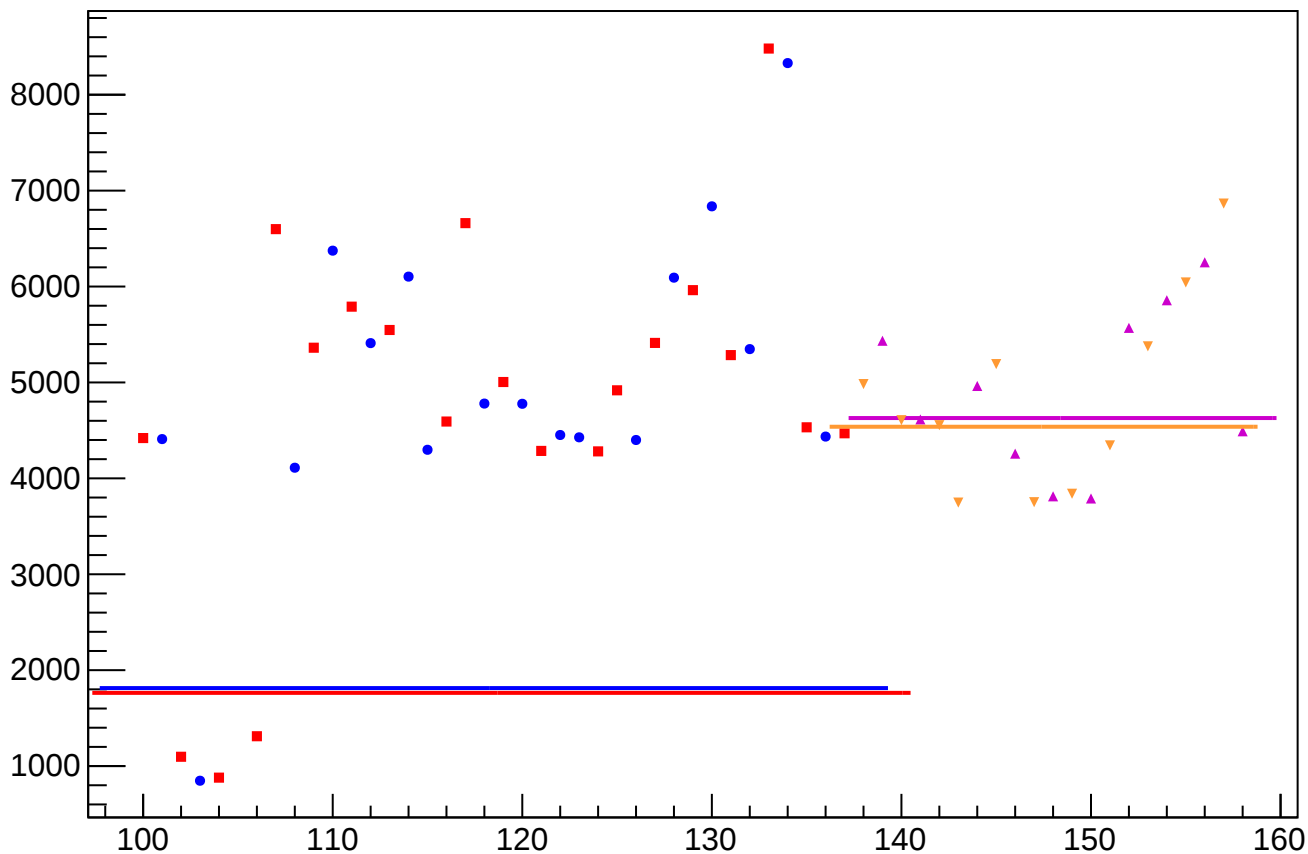
Left In: 1089.203 $\pm$ 1642.948 χ^2 /NDF: 6.0/9

-279.494 $\pm$ 842.143 χ^2 /NDF: 26.6/27

-672.179 $\pm$ 586.269 χ^2 /NDF: 54.2/57

-1041.463 $\pm$ 816.664 χ^2 /NDF: 27.1/29

asym_atl1r2_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 4538.138+/-1.149 χ^2/NDF : 529004.0/10

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

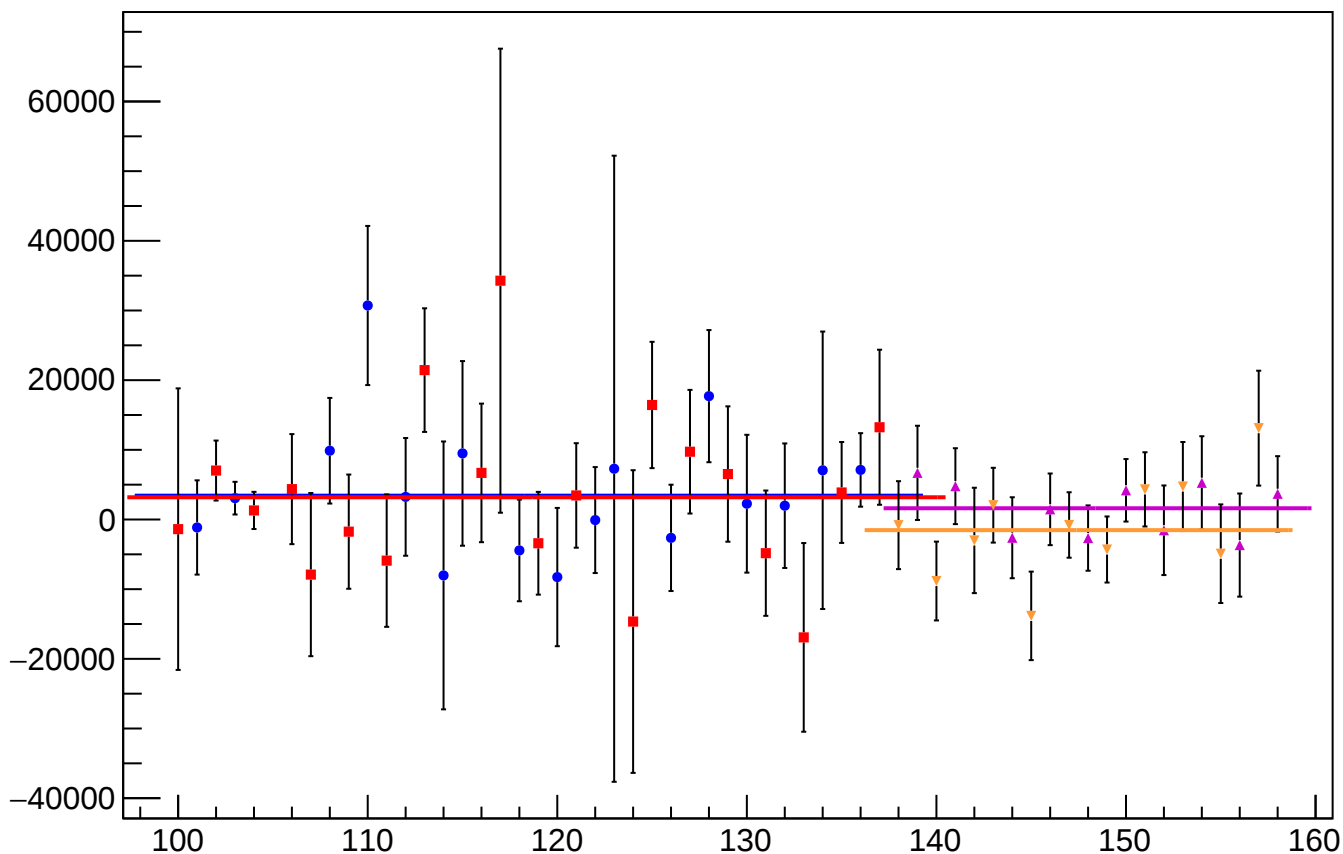
Left In: 4628.796+/-1.162 χ^2/NDF : 437700.5/9

2544.679+/-0.595 χ^2/NDF : 11090201.7/27

2506.898+/-0.415 χ^2/NDF : 22476140.9/5

2471.369+/-0.577 χ^2/NDF : 11378128.4/29

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3421.264 $\pm$ 1606.678 χ^2/NDF : 13.7/16

Left Out: -1526.380 $\pm$ 1774.553 χ^2/NDF : 11.8/10

Right Out: 3190.143 $\pm$ 1604.066 χ^2/NDF : 16.9/19

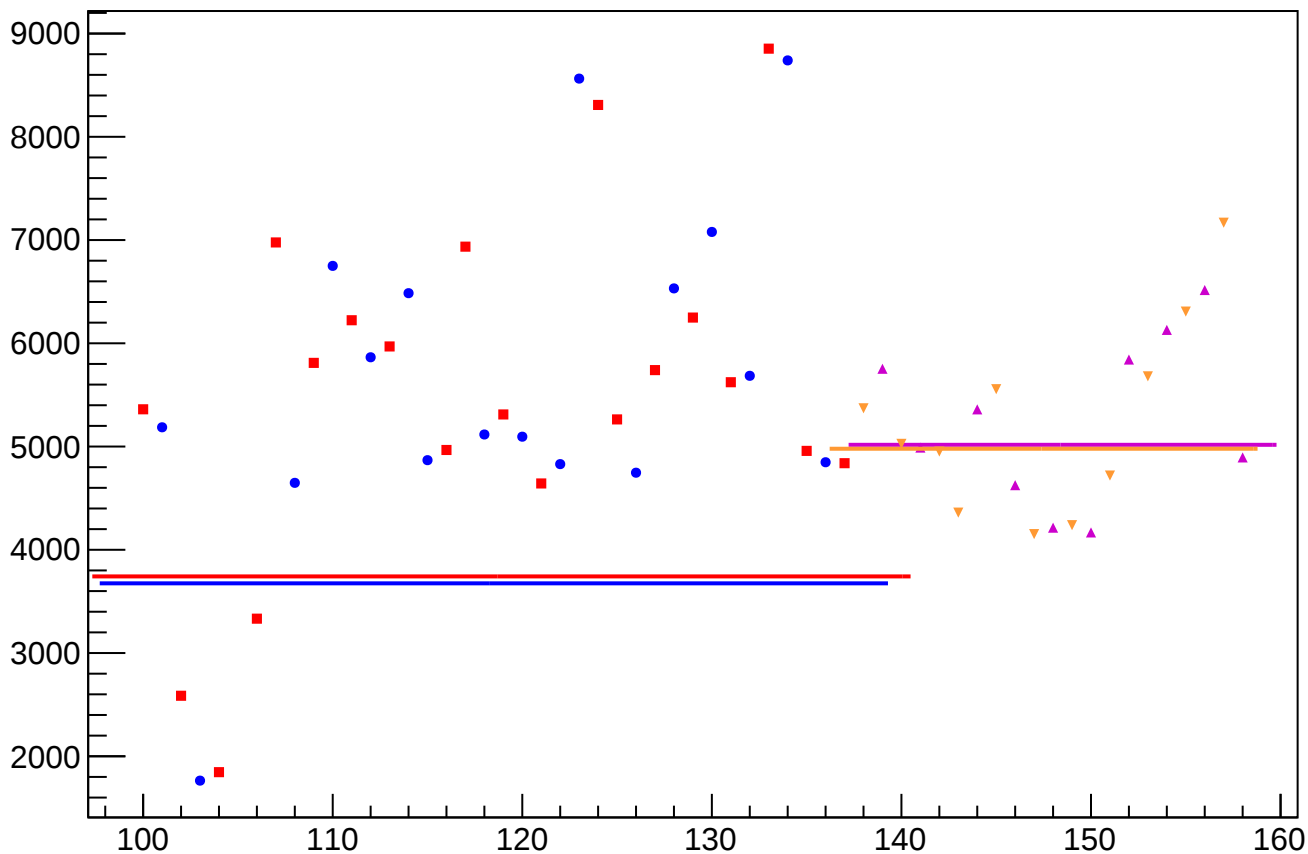
Left In: 1614.267 $\pm$ 1775.254 χ^2/NDF : 3.8/9

1192.484 $\pm$ 1191.032 χ^2/NDF : 29.8/27

1837.620 $\pm$ 841.885 χ^2/NDF : 51.5/57

2481.830 $\pm$ 1190.178 χ^2/NDF : 21.1/29

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3675.003 $\pm$ 1.136 χ^2/NDF : 2775085.7/16

Left Out: 4978.659 $\pm$ 1.255 χ^2/NDF : 401908.3/10

Right Out: 3742.124 $\pm$ 1.127 χ^2/NDF : 2712365.3/19

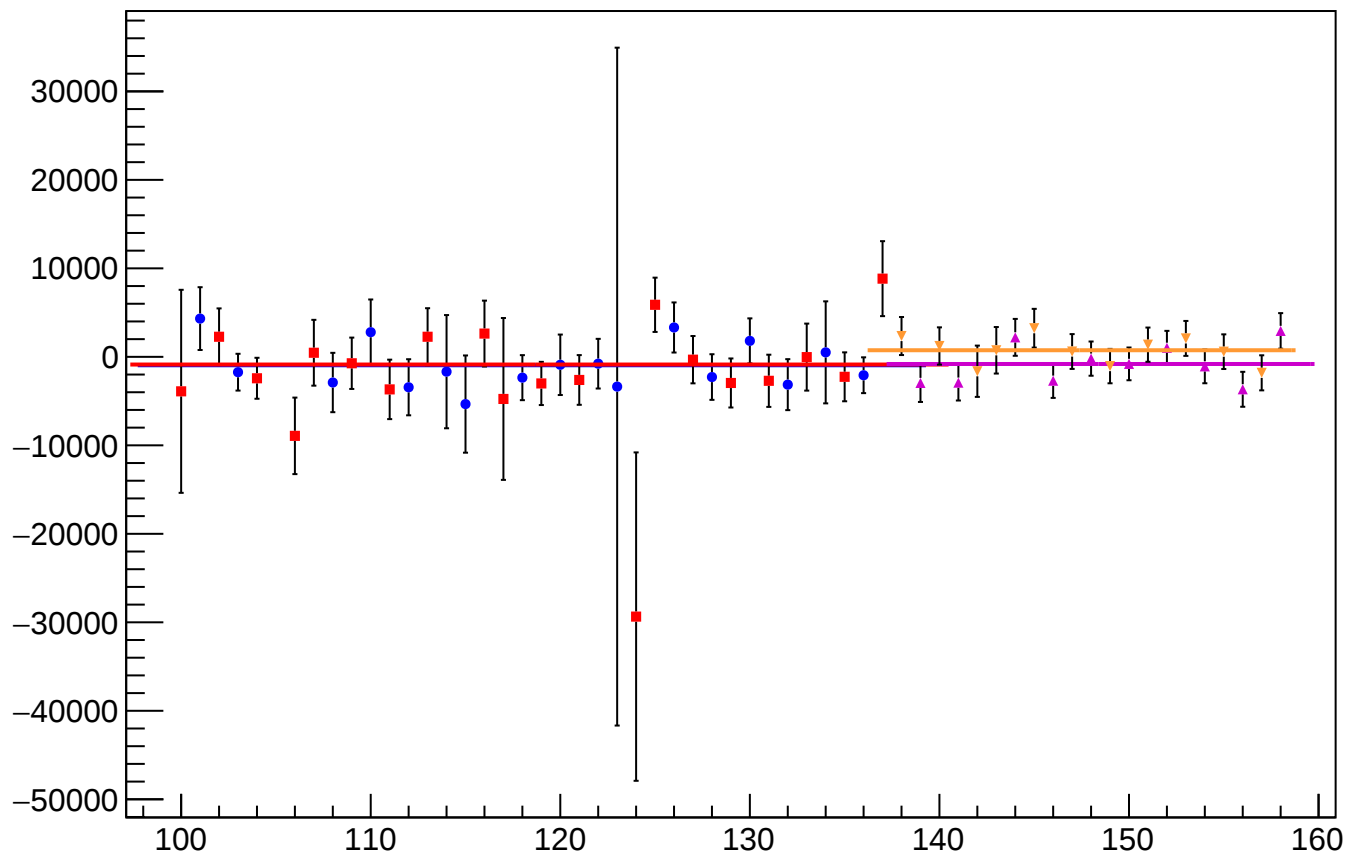
Left In: 5016.711 $\pm$ 1.255 χ^2/NDF : 344125.6/9

4262.265 $\pm$ 0.842 χ^2/NDF : 3770147.7/27

4286.652 $\pm$ 0.594 χ^2/NDF : 7399278.1/57

4310.826 $\pm$ 0.838 χ^2/NDF : 3627460.8/29

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -951.377 ± 740.668 $\chi^2/\text{NDF}: 10.0/16$

Left Out: 746.298 ± 635.375 $\chi^2/\text{NDF}: 5.7/10$

Right Out: -868.810 ± 735.140 $\chi^2/\text{NDF}: 22.7/19$

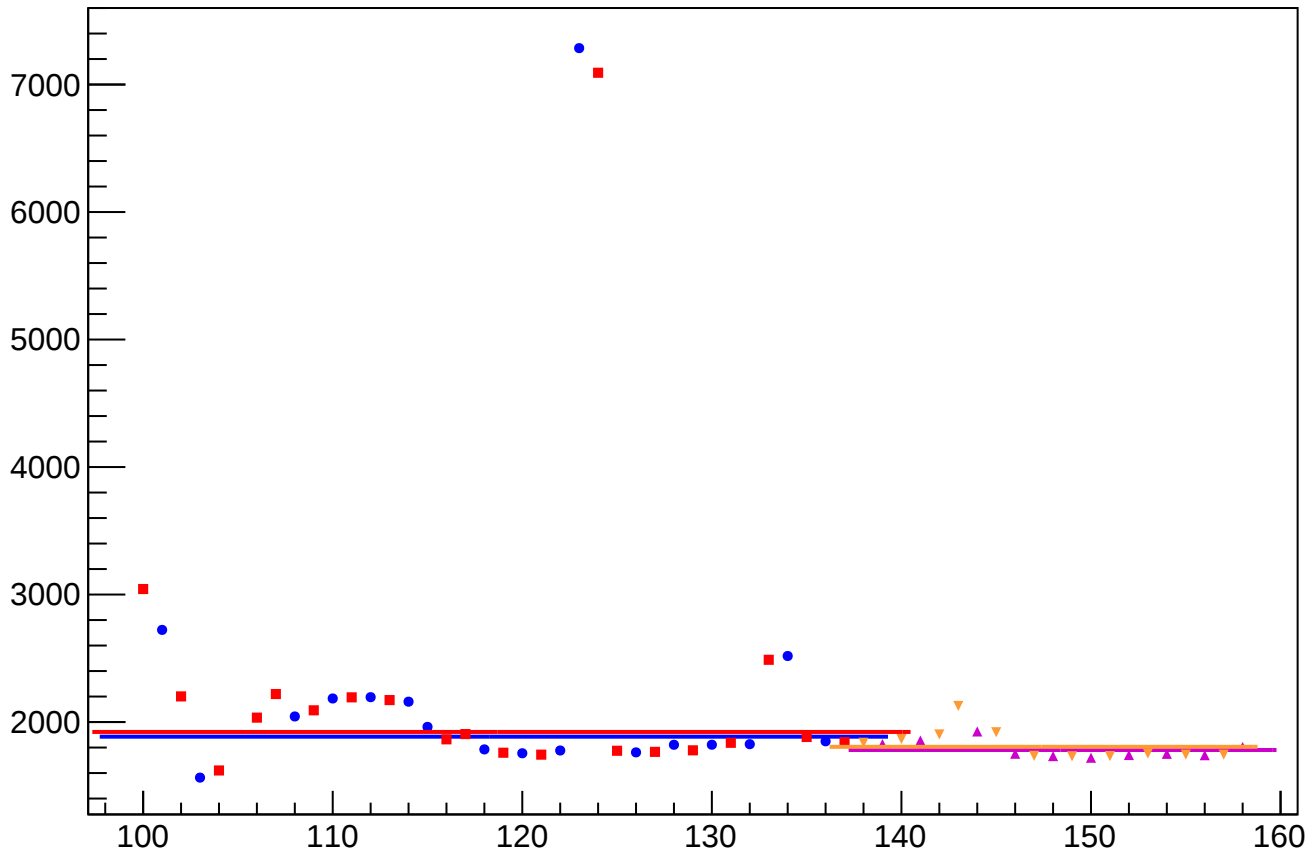
Left In: -807.969 ± 624.054 $\chi^2/\text{NDF}: 11.7/9$

26.609 ± 482.246 $\chi^2/\text{NDF}: 18.6/27$

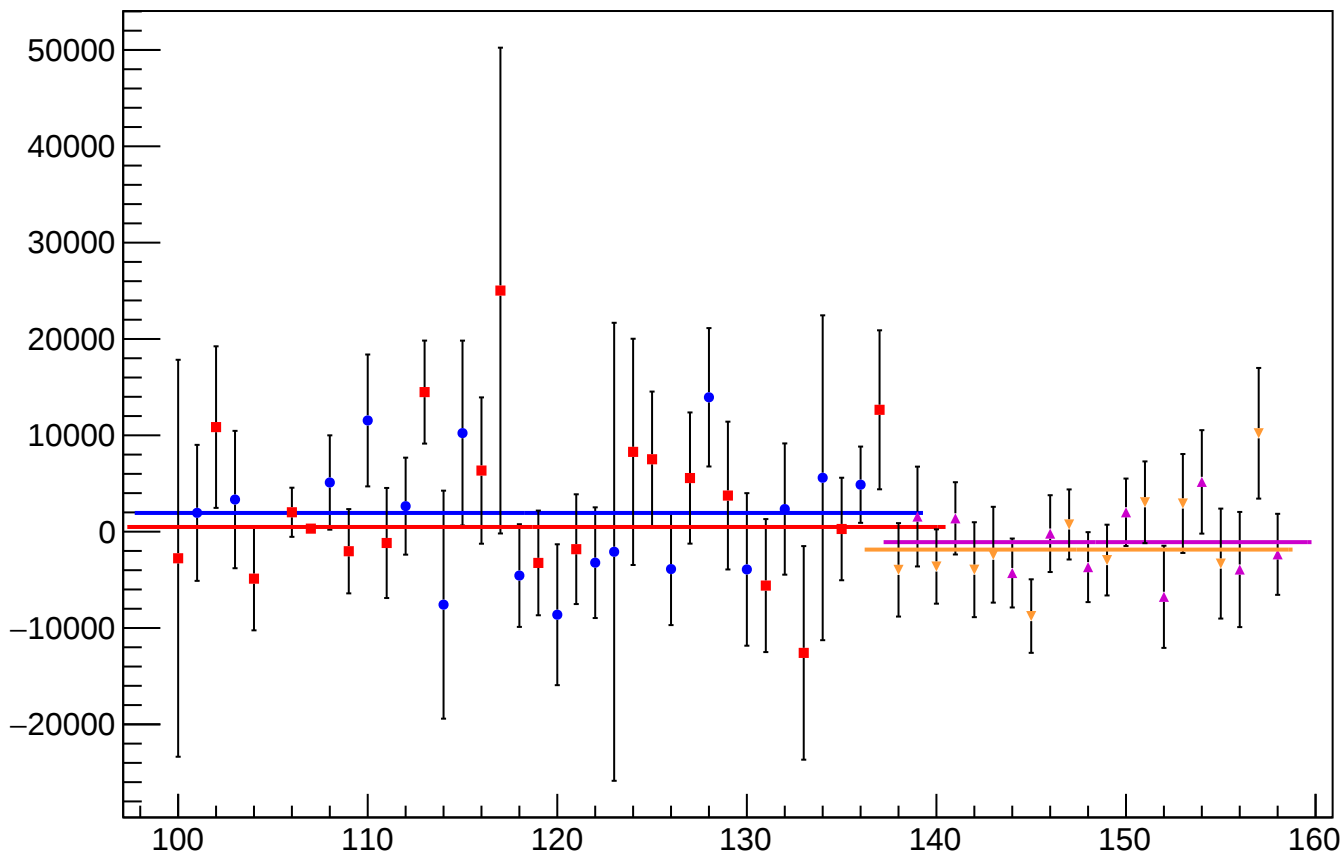
-409.251 ± 338.680 $\chi^2/\text{NDF}: 54.7/57$

-833.450 ± 475.752 $\chi^2/\text{NDF}: 34.4/29$

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



asym_atl1r2_dd_correction_mean vs Slug, Sign Corrected



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

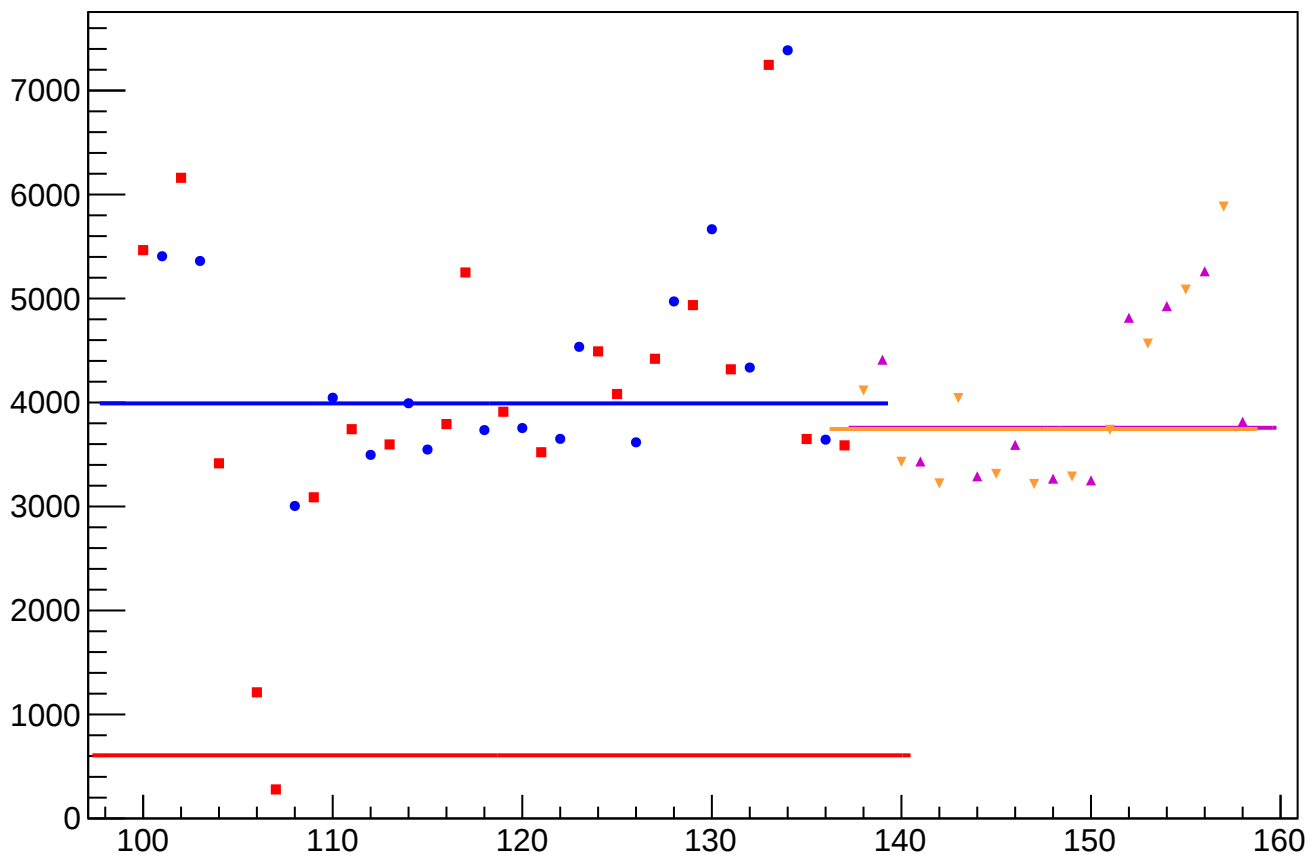
Left In: -1087.055+/-1334.431 χ^2/NDF : 5.7/9

-268.171+/-1022.910 χ^2/NDF : 26.5/27

235.047+/-395.989 χ^2/NDF : 52.7/57

323.754+/-429.476 χ^2/NDF : 25.9/29

asym_atl1r2_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 3745.039 ± 0.949 $\chi^2/\text{NDF}: 513925.6/10$

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

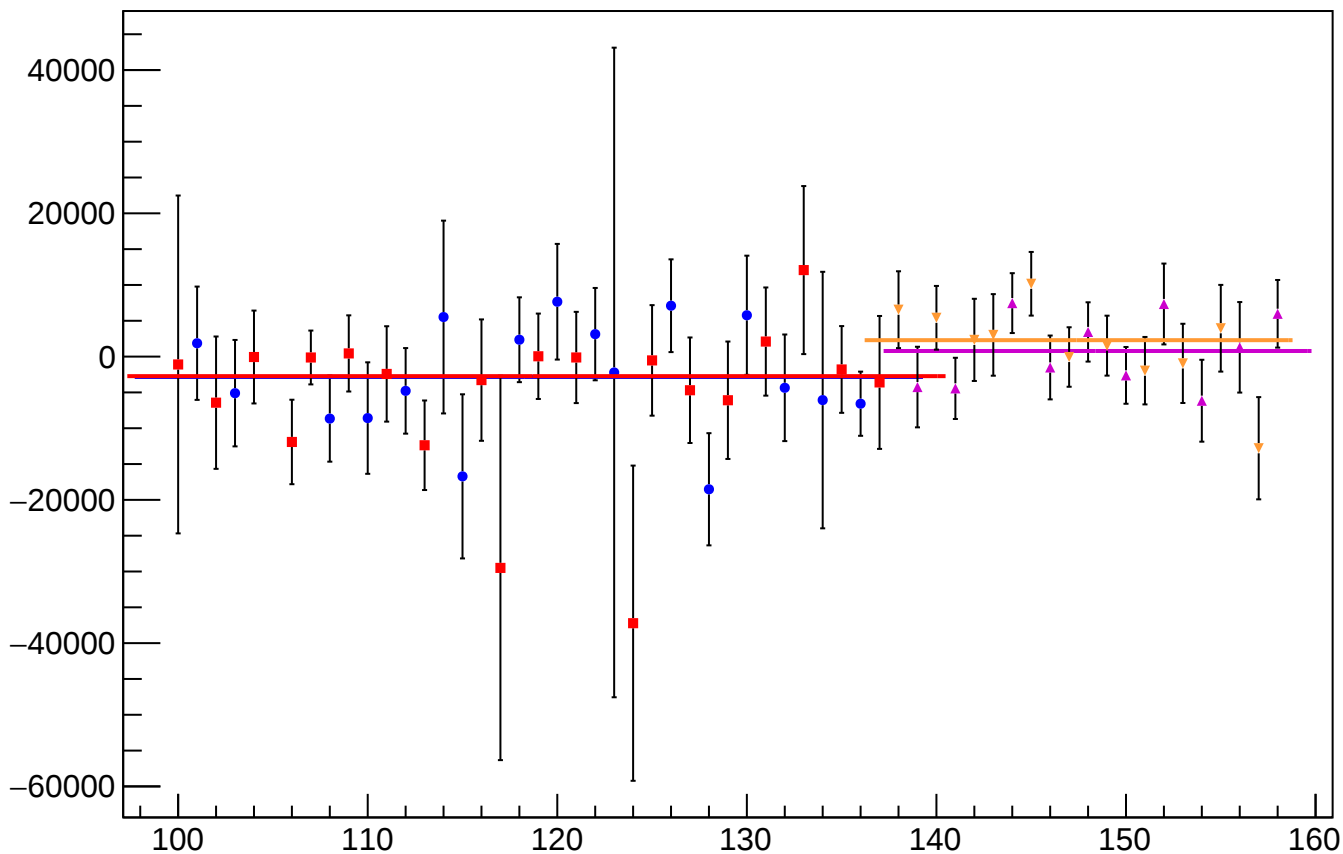
Left In: 3756.899 ± 0.944 $\chi^2/\text{NDF}: 464095.5/9$

3848.168 ± 0.723 $\chi^2/\text{NDF}: 1052945.6/27$

1370.284 ± 0.280 $\chi^2/\text{NDF}: 35624143.8/5$

933.484 ± 0.304 $\chi^2/\text{NDF}: 20766493.8/29$

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2839.599+/-1786.019 χ^2/NDF : 15.4/16

Left Out: 2292.299+/-1512.476 χ^2/NDF : 10.3/10

Right Out: -2729.311+/-1572.398 χ^2/NDF : 12.2/19

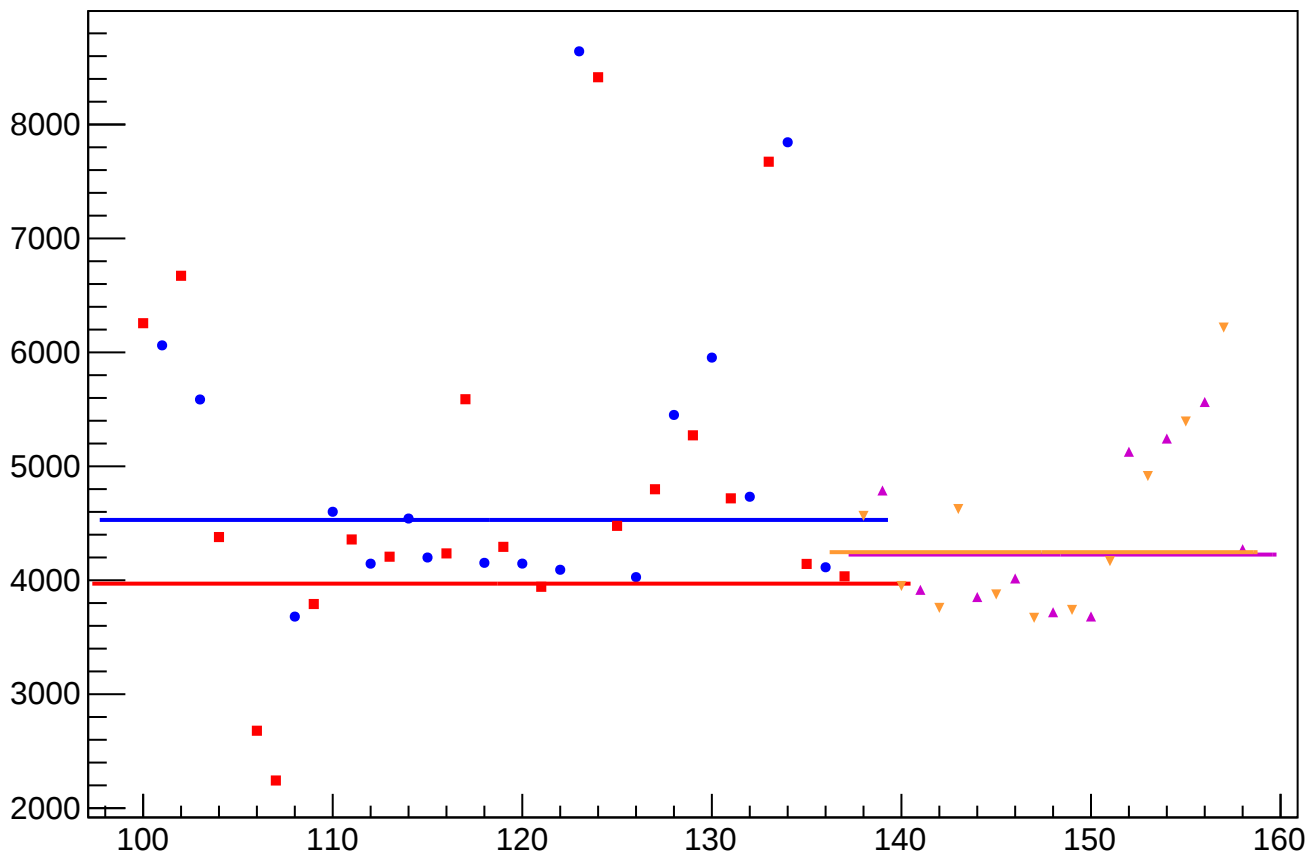
Left In: 781.956+/-1494.017 χ^2/NDF : 10.3/9

149.030+/-1154.212 χ^2/NDF : 30.6/27

-400.287+/-789.803 χ^2/NDF : 56.1/57

-883.984+/-1083.079 χ^2/NDF : 25.1/29

asym_atl1r2_dd_rms vs Slug, Sign Corrected



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

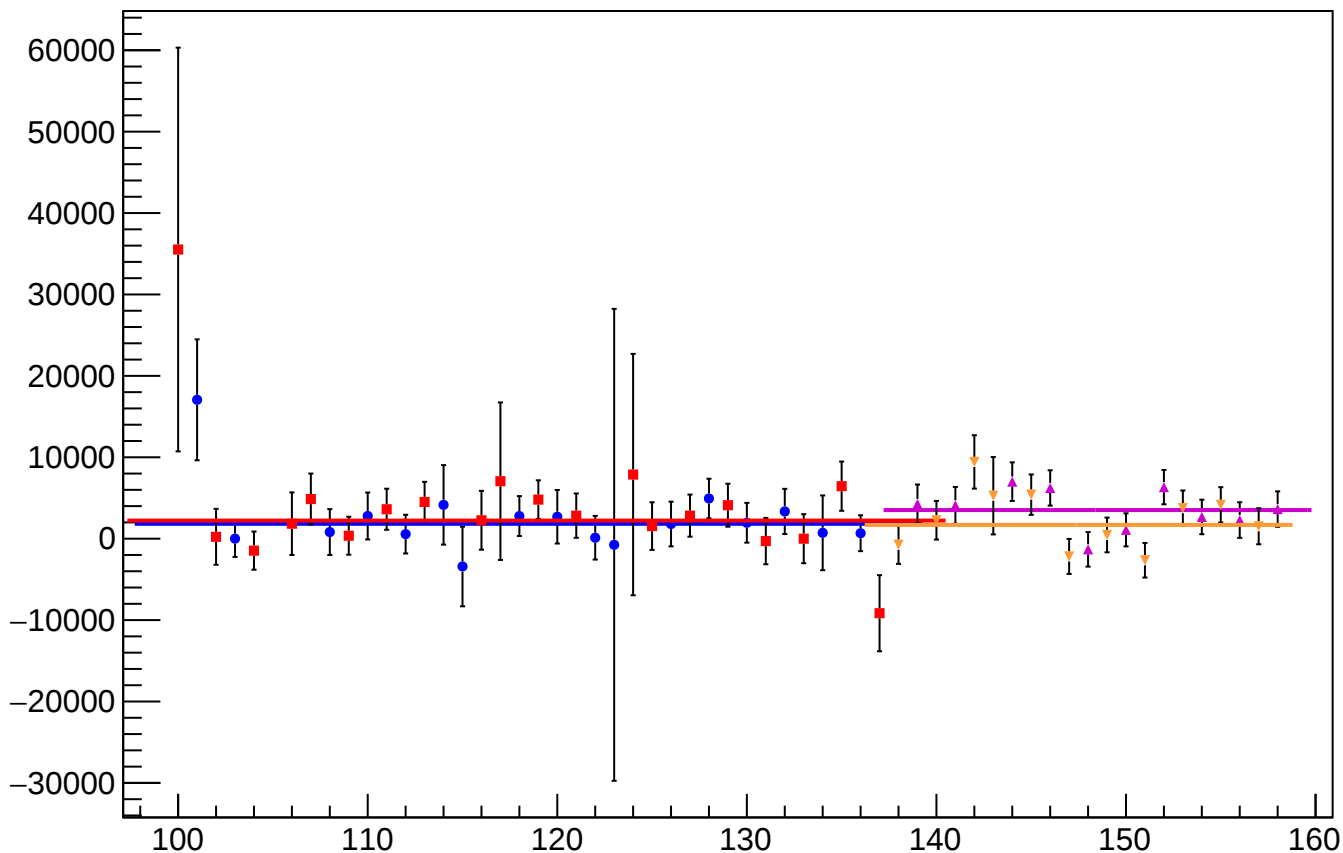
Left In: 4225.493+/-1.056 χ^2/NDF : 322980.1/9

4364.770+/-0.816 χ^2/NDF : 793819.6/27

4225.505+/-0.558 χ^2/NDF : 2346975.9/57

4103.619+/-0.764 χ^2/NDF : 1498555.8/29

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



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

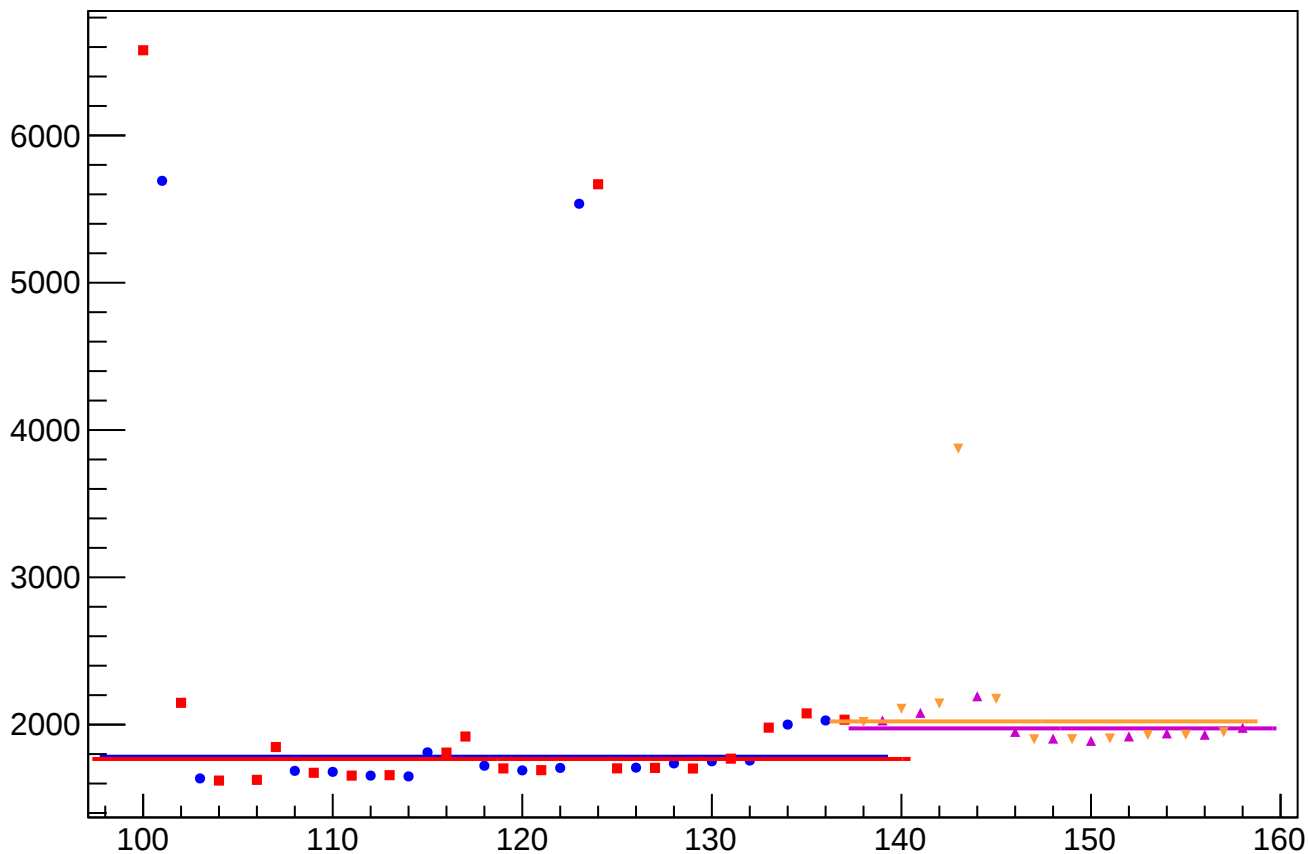
Left In: 3516.125 $\pm$ 691.491 χ^2 /NDF:12.7/9

1763.016 $\pm$ 504.947 χ^2 /NDF: 29.2/27

2333.140 $\pm$ 350.066 χ^2 /NDF: 64.7/57

2860.733 $\pm$ 485.748 χ^2 /NDF: 33.1/29

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



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

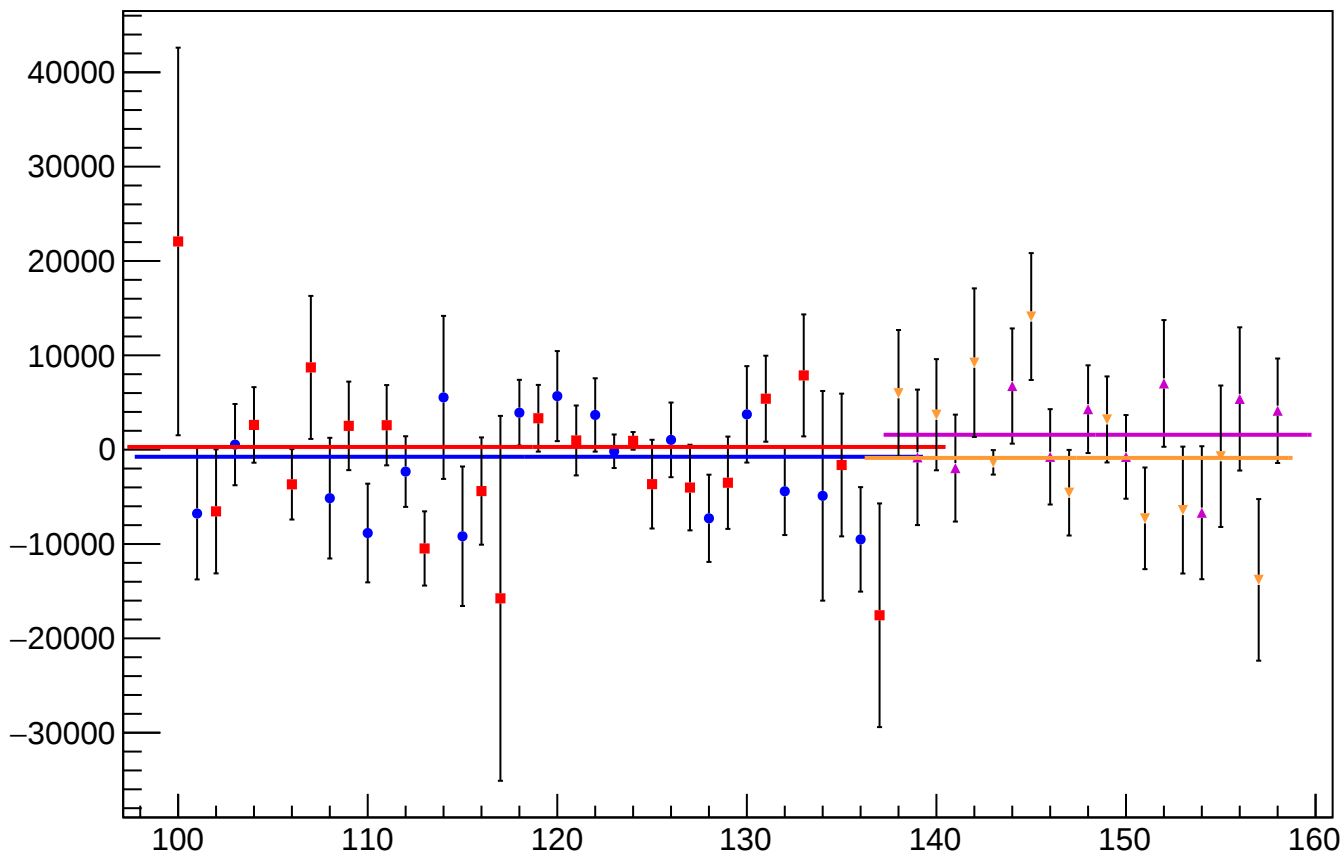
Left In: 1974.347+/-0.489 χ^2/NDF : 30765.0/9

1900.984+/-0.357 χ^2/NDF : 1102357.1/27

1884.038+/-0.247 χ^2/NDF : 1536694.7/57

1868.465+/-0.342 χ^2/NDF : 430015.1/29

asym_atr1l2_avg_correction_mean vs Slug, Sign Corrected



Right In: -753.428 ± 1008.523 χ^2/NDF : 16.9/16

Left Out: -872.587 ± 1074.186 χ^2/NDF : 14.2/10

Right Out: 288.847 ± 724.622 χ^2/NDF : 22.7/19

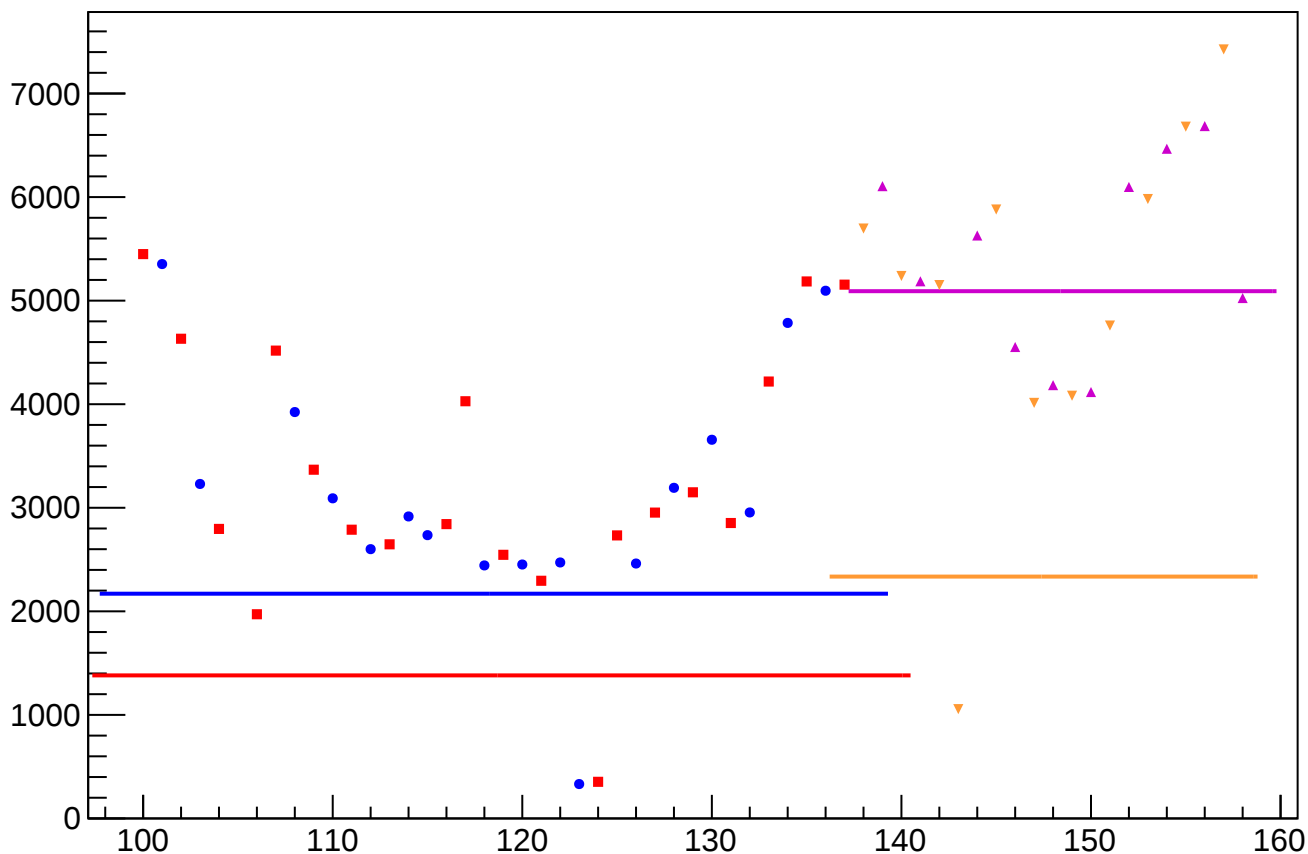
Left In: 1579.966 ± 1808.070 χ^2/NDF : 4.5/9

-809.254 ± 735.252 χ^2/NDF : 31.2/27

-114.174 ± 496.280 χ^2/NDF : 60.5/57

467.524 ± 672.616 χ^2/NDF : 27.7/29

asym_atr1l2_avg_correction_rms vs Slug, Sign Corrected



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

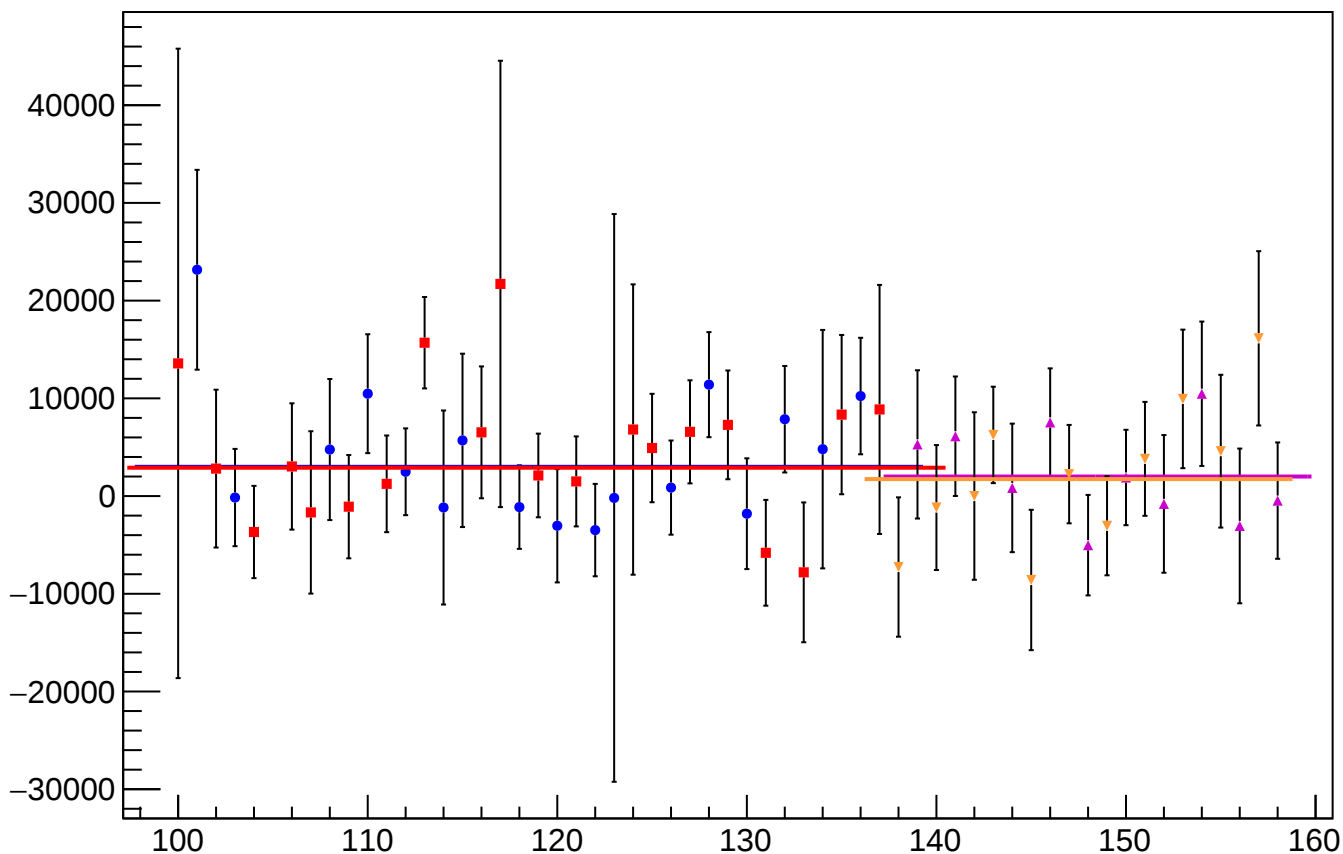
Left In: 5091.380 $\pm$ 1.278 χ^2 /NDF: 460956.4/9

2247.662 $\pm$ 0.520 χ^2 /NDF: 10677966.3/27

2055.594 $\pm$ 0.351 χ^2 /NDF: 25529558.3/5

1894.856 $\pm$ 0.476 χ^2 /NDF: 14600894.9/29

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2992.806 $\pm$ 1447.211 χ^2/NDF : 15.7/16

Left Out: 1736.247 $\pm$ 1907.405 χ^2/NDF : 9.9/10

Right Out: 2901.985 $\pm$ 1376.603 χ^2/NDF : 18.4/19

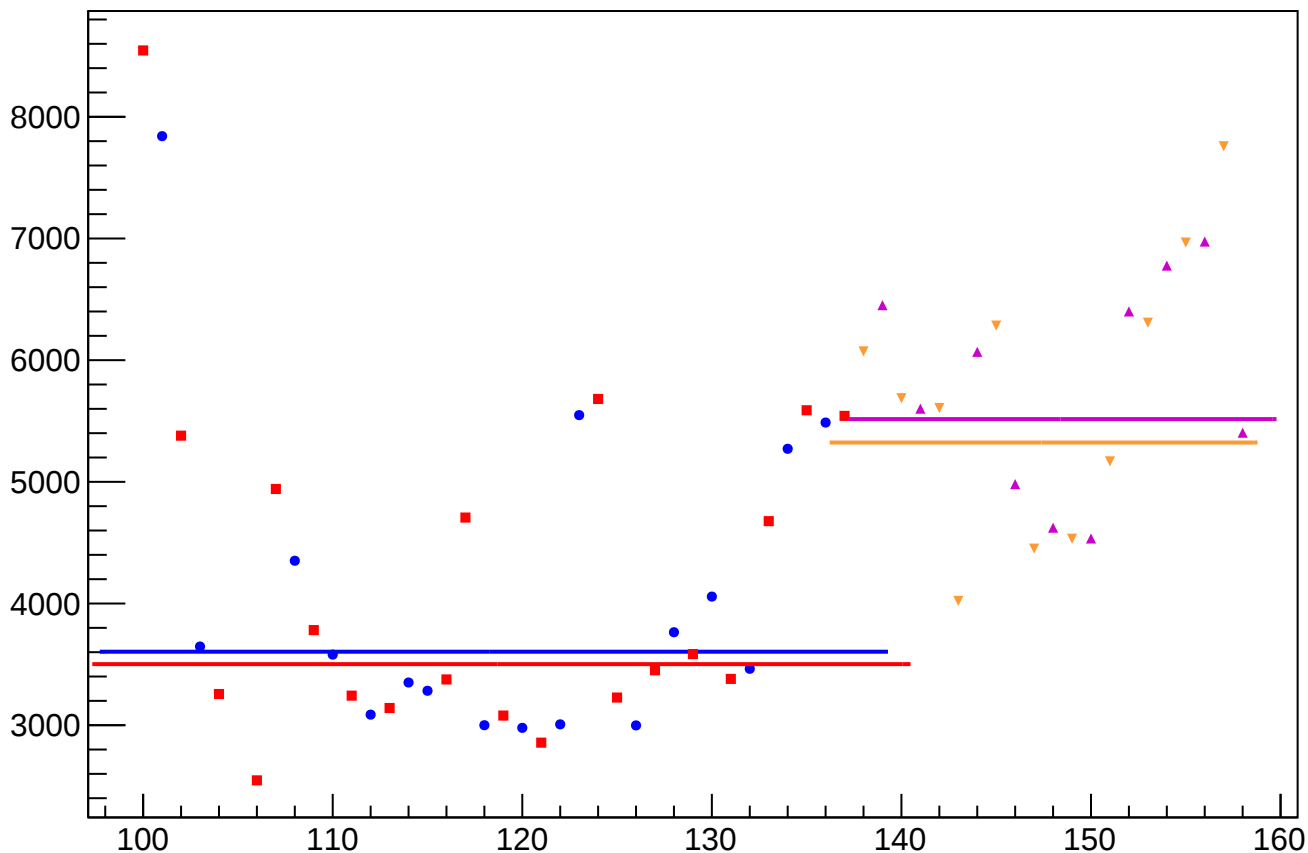
Left In: 2000.382 $\pm$ 1952.322 χ^2/NDF : 5.6/9

2533.721 $\pm$ 1152.918 χ^2/NDF : 25.8/27

2568.994 $\pm$ 805.202 χ^2/NDF : 50.0/57

2602.582 $\pm$ 1125.049 χ^2/NDF : 24.1/29

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3603.930 +/- 1.023 χ^2/NDF : 784674.5/16

Left Out: 5323.234 +/- 1.349 χ^2/NDF : 592014.8/10

Right Out: 3501.857 +/- 0.960 χ^2/NDF : 667483.1/19

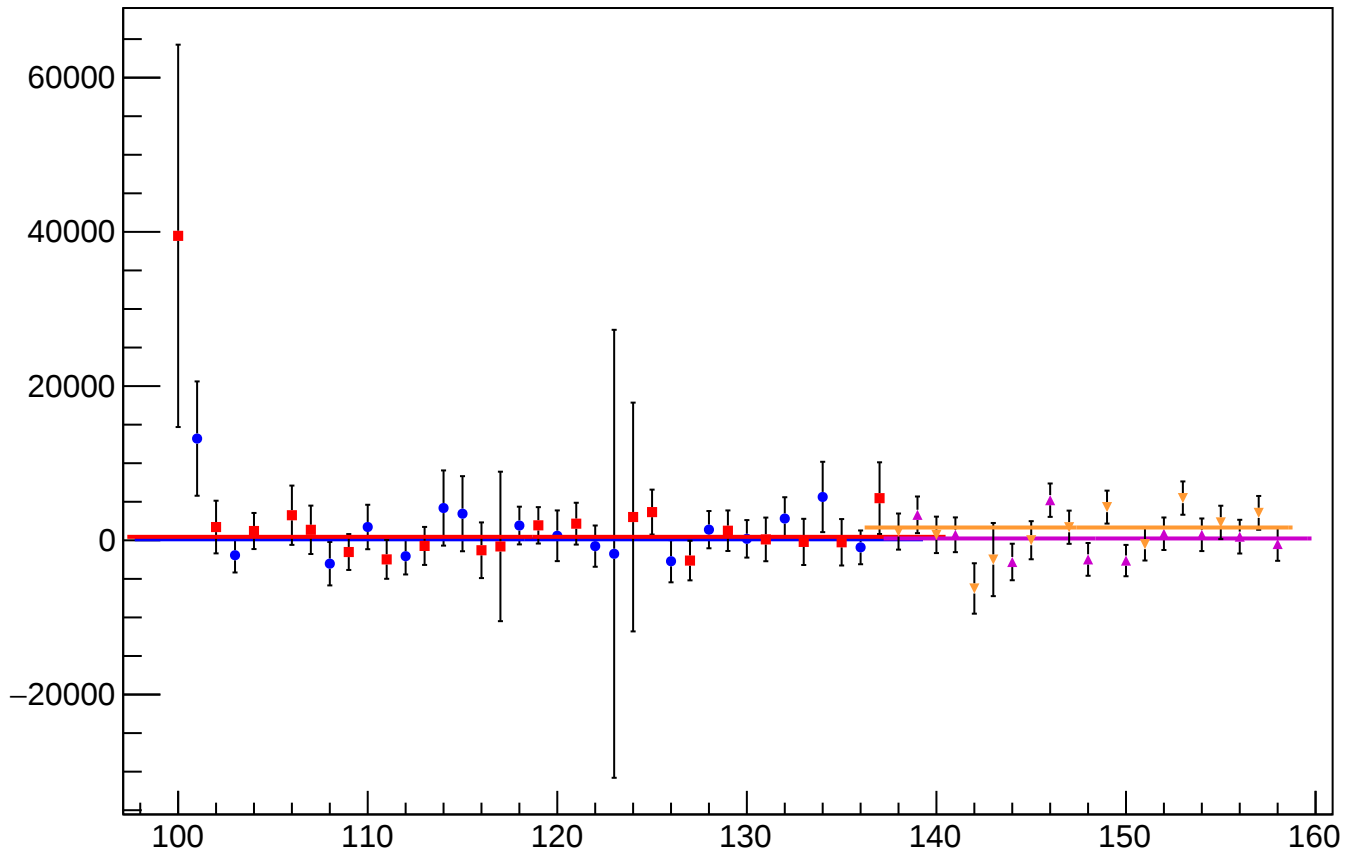
Left In: 5515.737 +/- 1.381 χ^2/NDF : 363223.6/9

4232.075 +/- 0.815 χ^2/NDF : 2407988.9/27

4193.901 +/- 0.567 χ^2/NDF : 4877451.4/57

4158.223 +/- 0.788 χ^2/NDF : 2465220.5/29

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 130.913 $\pm$ 709.207 χ^2/NDF : 12.2/16

Left Out: 1662.622 $\pm$ 715.004 χ^2/NDF :13.8/10

Right Out: 452.872 $\pm$ 680.160 χ^2/NDF : 10.7/19

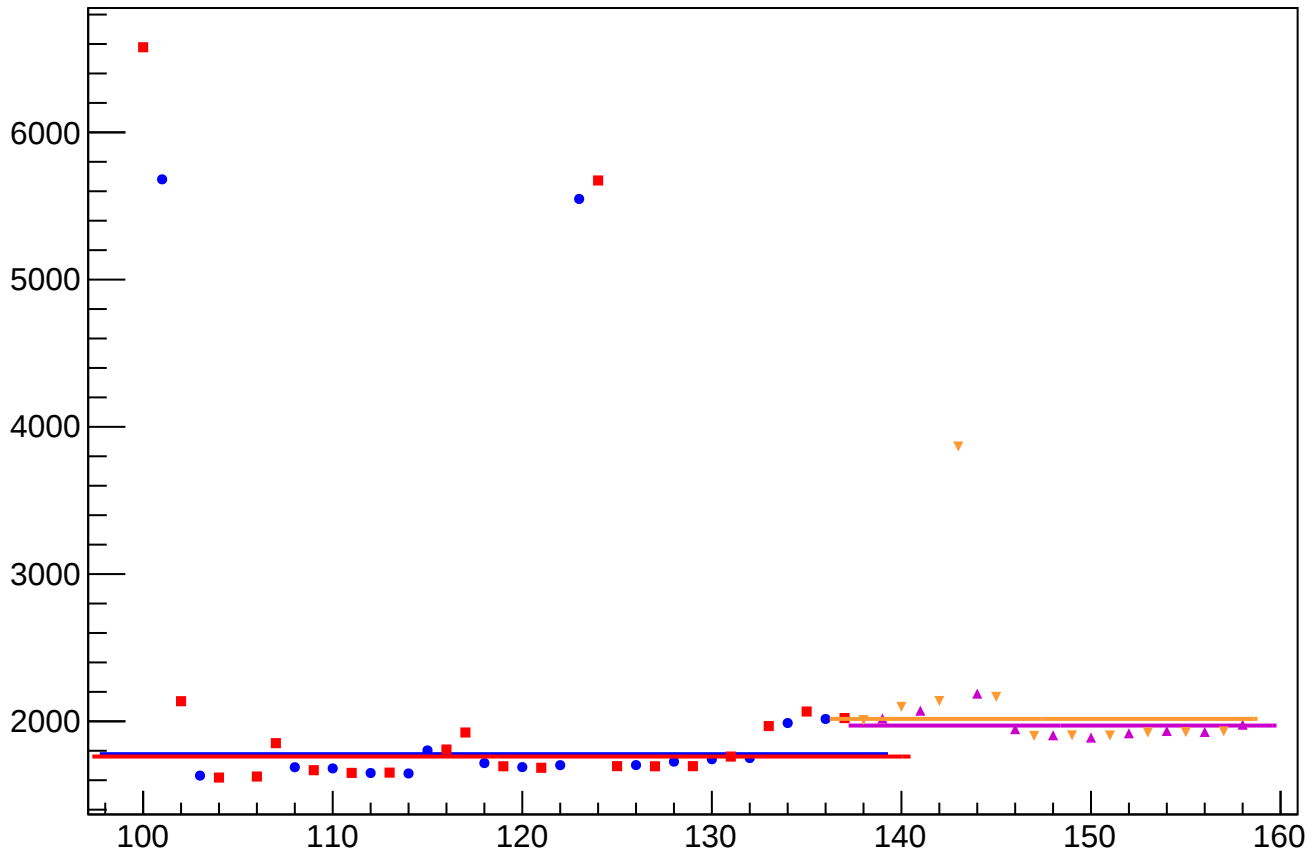
Left In: 240.387 $\pm$ 690.351 χ^2/NDF :12.5/9

890.533 $\pm$ 503.522 χ^2/NDF : 28.3/27

608.939 $\pm$ 349.128 χ^2/NDF : 52.2/57

348.209 $\pm$ 484.509 χ^2/NDF : 23.3/29

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1776.879 +/- 0.501 χ^2/NDF : 643576.8/16

Left Out: 2016.523 +/- 0.506 χ^2/NDF : 343497.0/10

Right Out: 1760.787 +/- 0.478 χ^2/NDF : 306724.5/19

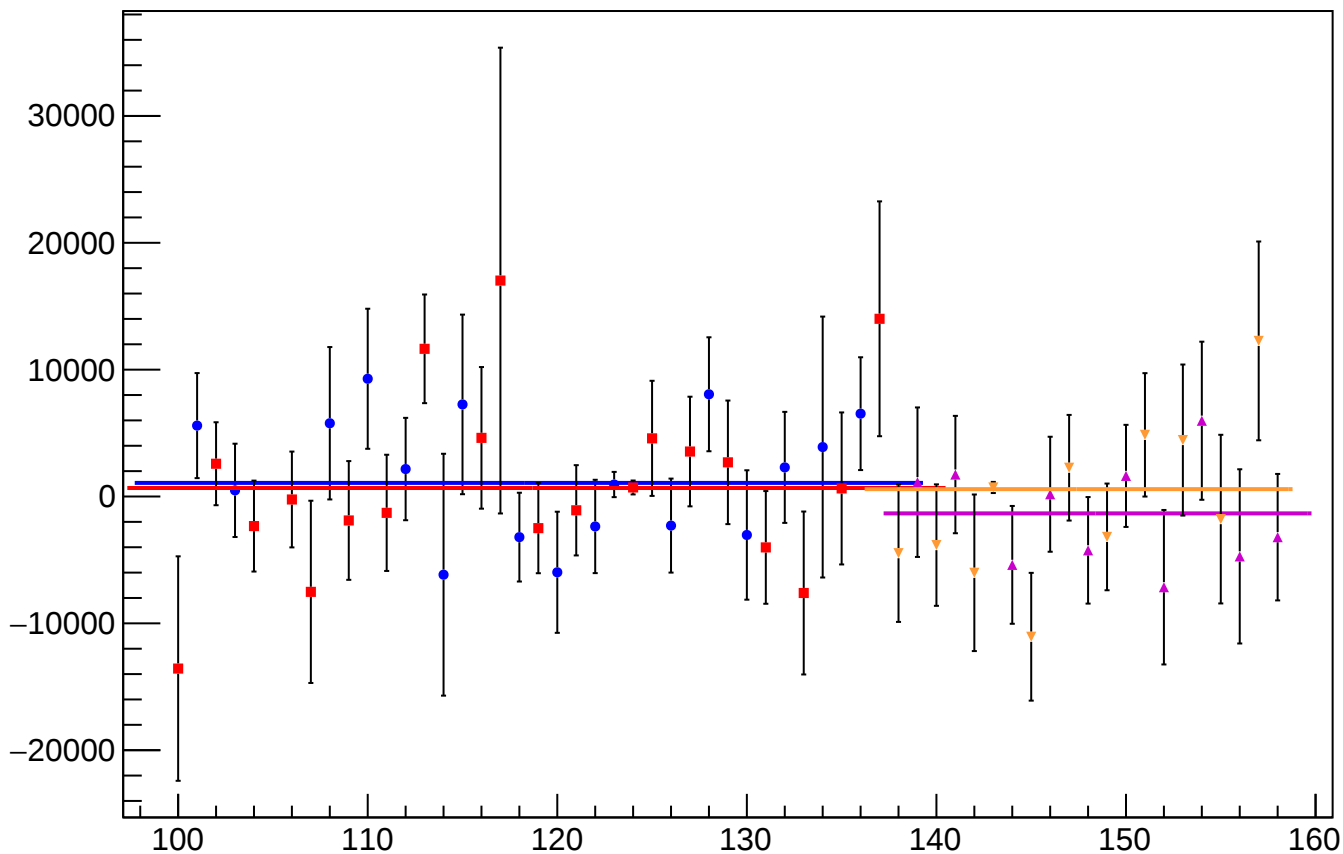
Left In: 1971.196 +/- 0.488 χ^2/NDF : 29655.8/9

1895.726 +/- 0.356 χ^2/NDF : 1100324.0/27

1879.048 +/- 0.246 χ^2/NDF : 1535822.2/57

1863.713 +/- 0.341 χ^2/NDF : 431286.6/29

asym_atr1l2_dd_correction_mean vs Slug, Sign Corrected



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

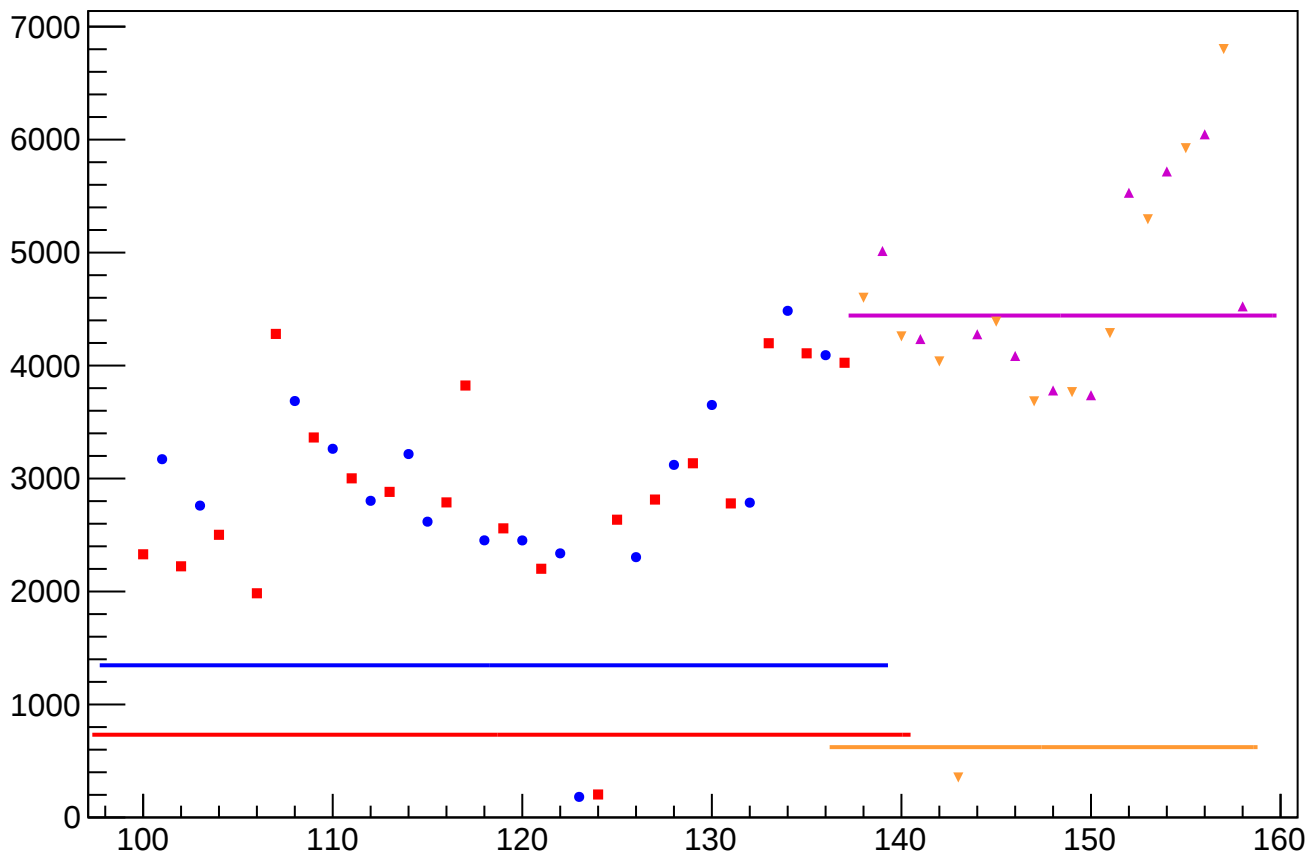
Left In: -1330.313+/-1574.989 χ^2/NDF : 5.2/9

698.882+/-369.483 χ^2/NDF : 28.7/27

620.249+/-289.524 χ^2/NDF : 56.0/57

495.161+/-466.017 χ^2/NDF : 27.2/29

asym_atr1l2_dd_correction_rms vs Slug, Sign Corrected



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

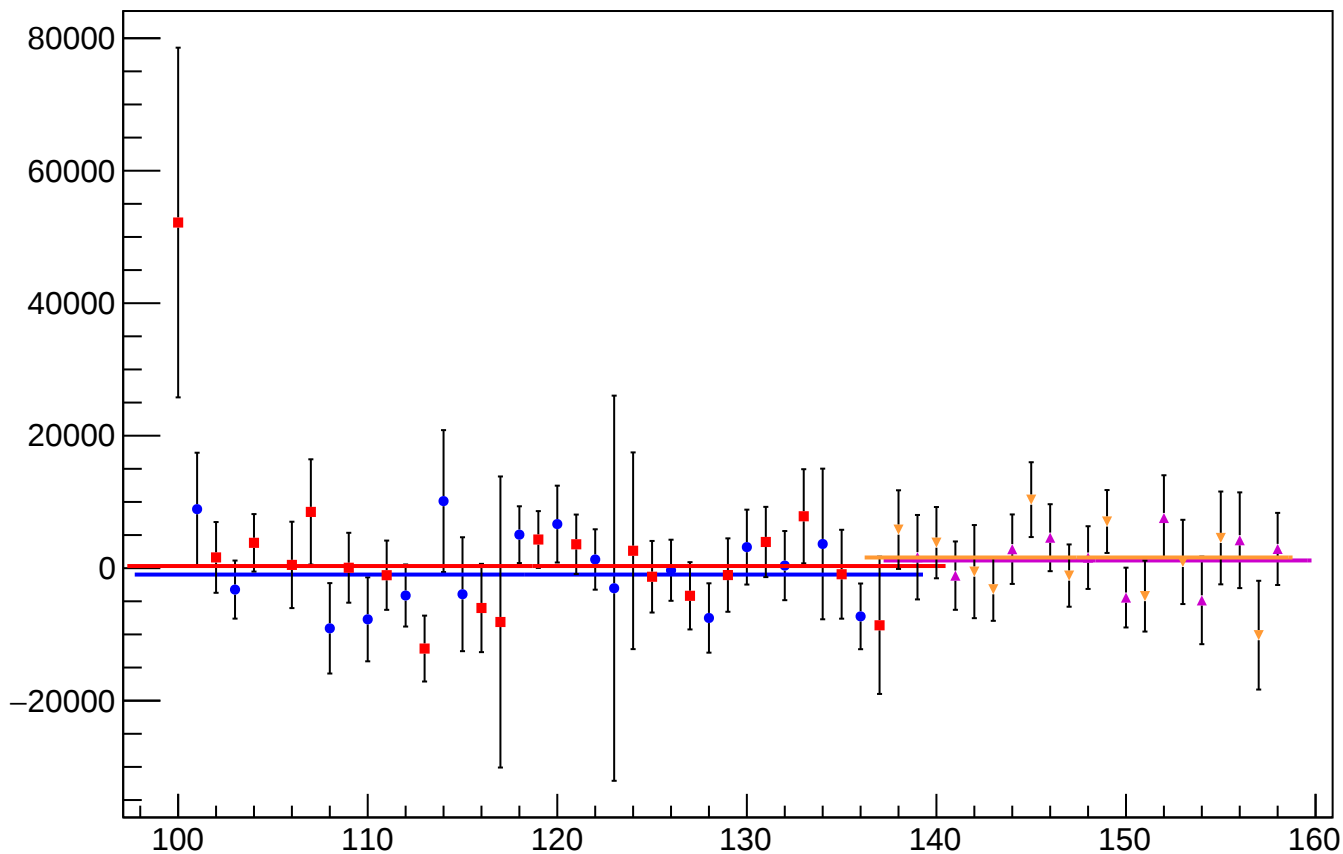
Left In: 4442.759+/-1.114 χ^2/NDF : 406244.0/9

797.162+/-0.261 χ^2/NDF : 20036080.9/27

897.511+/-0.205 χ^2/NDF : 40512762.9/57

1057.148+/-0.330 χ^2/NDF : 20094466.5/29

asym_atr1l2_dd_mean vs Slug, Sign Corrected



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

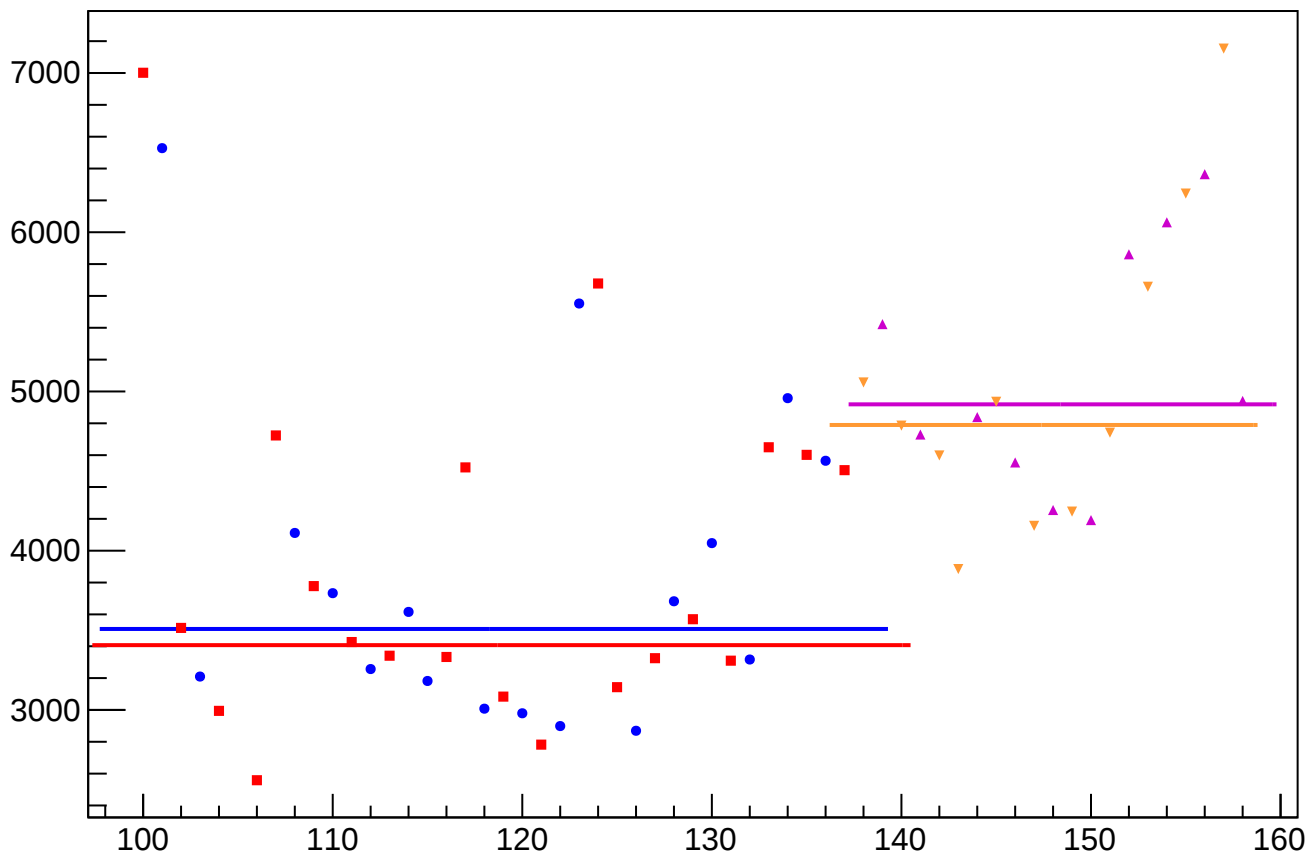
Left In: 1165.136 ± 1737.533 χ^2/NDF : 4.4/9

68.302 ± 1080.621 χ^2/NDF : 24.3/27

357.883 ± 754.812 χ^2/NDF : 46.8/57

633.778 ± 1054.777 χ^2/NDF : 22.3/29

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3508.483 +/- 0.987 χ^2/NDF : 562197.7/16

Left Out: 4789.564 +/- 1.207 χ^2/NDF : 430806.3/10

Right Out: 3406.868 +/- 0.926 χ^2/NDF : 433737.9/19

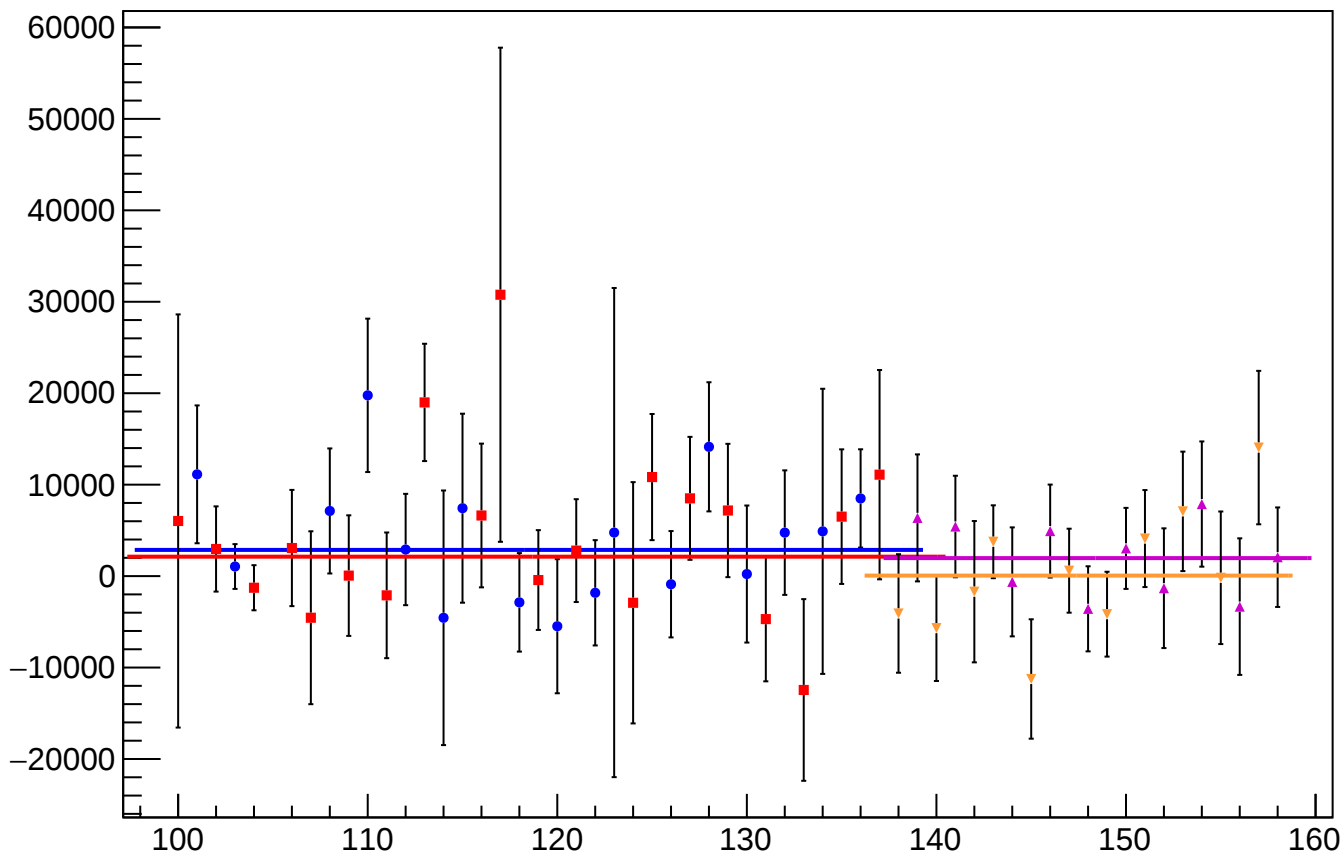
Left In: 4919.128 +/- 1.229 χ^2/NDF : 299884.8/9

4021.517 +/- 0.764 χ^2/NDF : 1667873.8/27

3987.208 +/- 0.531 χ^2/NDF : 3371232.6/57

3955.053 +/- 0.740 χ^2/NDF : 1699453.2/29

reg_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2864.770 $\pm$ 1452.658 χ^2 /NDF: 14.1/16

Left Out: 56.641 $\pm$ 1707.398 χ^2 /NDF:10.7/10

Right Out: 2126.105 $\pm$ 1379.774 χ^2 /NDF: 18.8/19

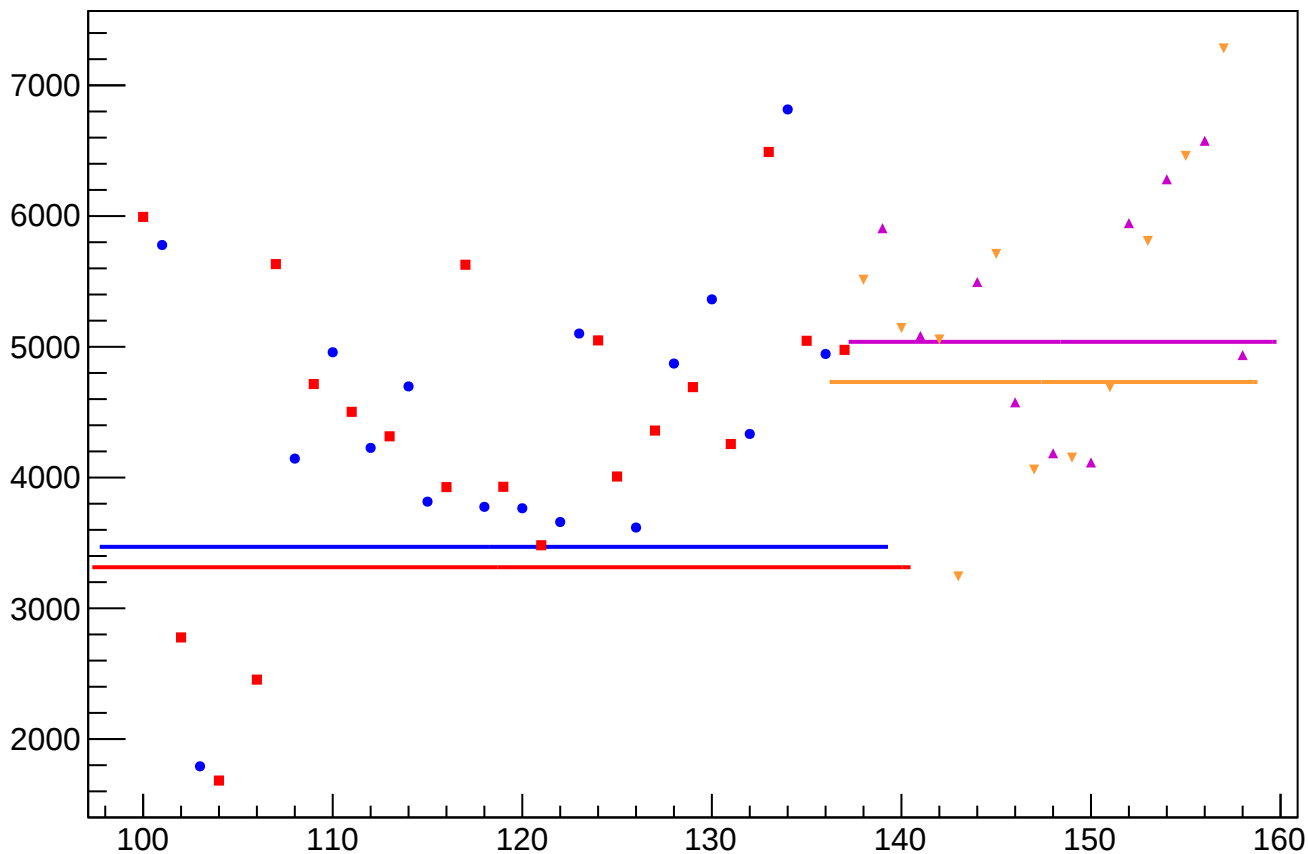
Left In: 1968.331 $\pm$ 1785.752 χ^2 /NDF:4.3/9

1685.615 $\pm$ 1106.399 χ^2 /NDF: 26.3/27

1878.898 $\pm$ 777.141 χ^2 /NDF: 49.5/57

2067.125 $\pm$ 1091.831 χ^2 /NDF: 23.1/29

reg_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3470.042+/-1.027 χ^2/NDF : 1760860.6/16

Left Out: 4730.962+/-1.207 χ^2/NDF : 793462.8/10

Right Out: 3314.183+/-0.967 χ^2/NDF : 1925484.9/19

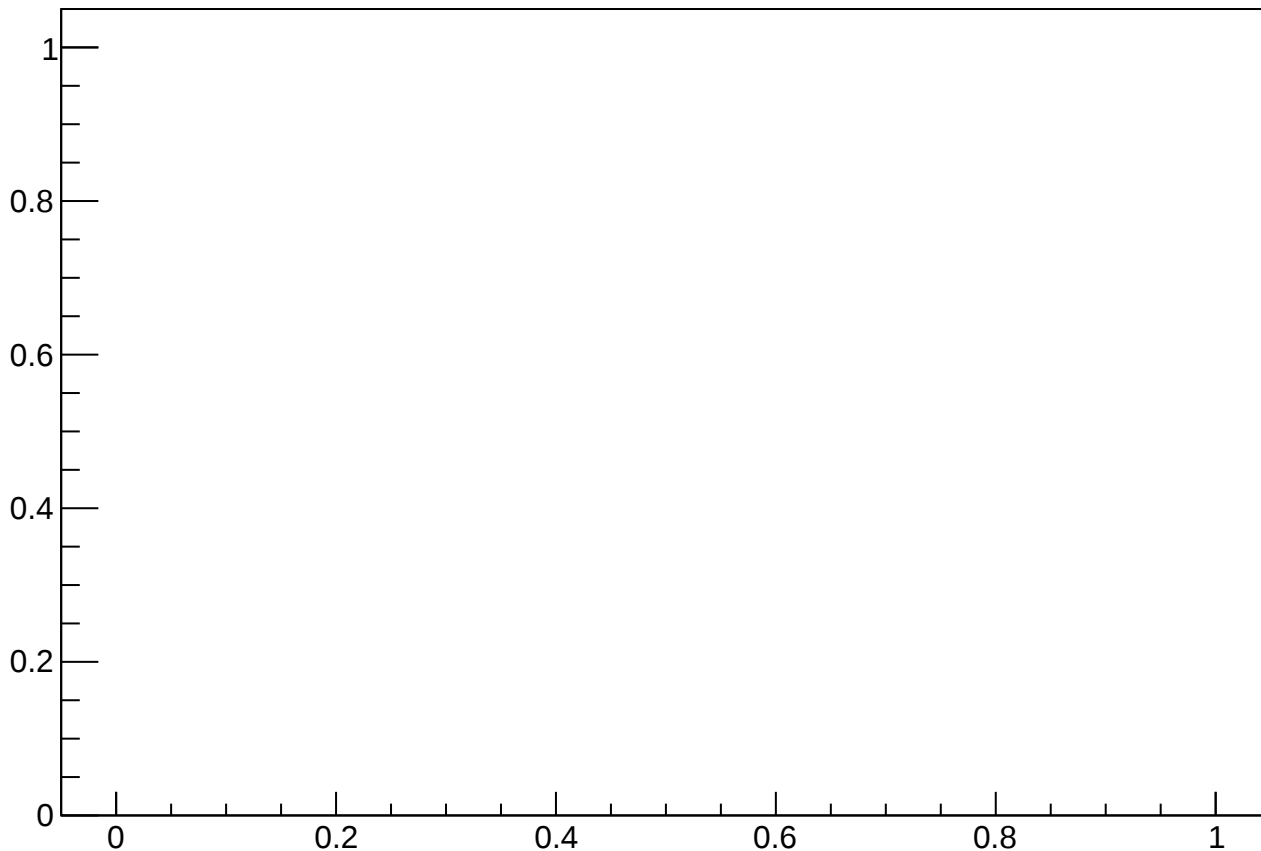
Left In: 5038.105+/-1.263 χ^2/NDF : 403610.9/9

3999.497+/-0.782 χ^2/NDF : 3187086.5/27

3974.920+/-0.548 χ^2/NDF : 6693217.3/57

3951.258+/-0.768 χ^2/NDF : 3504193.7/29

asym_atl_avg_atr_avg_avg_correction_mean vs Slug, Sign Corrected



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

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

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

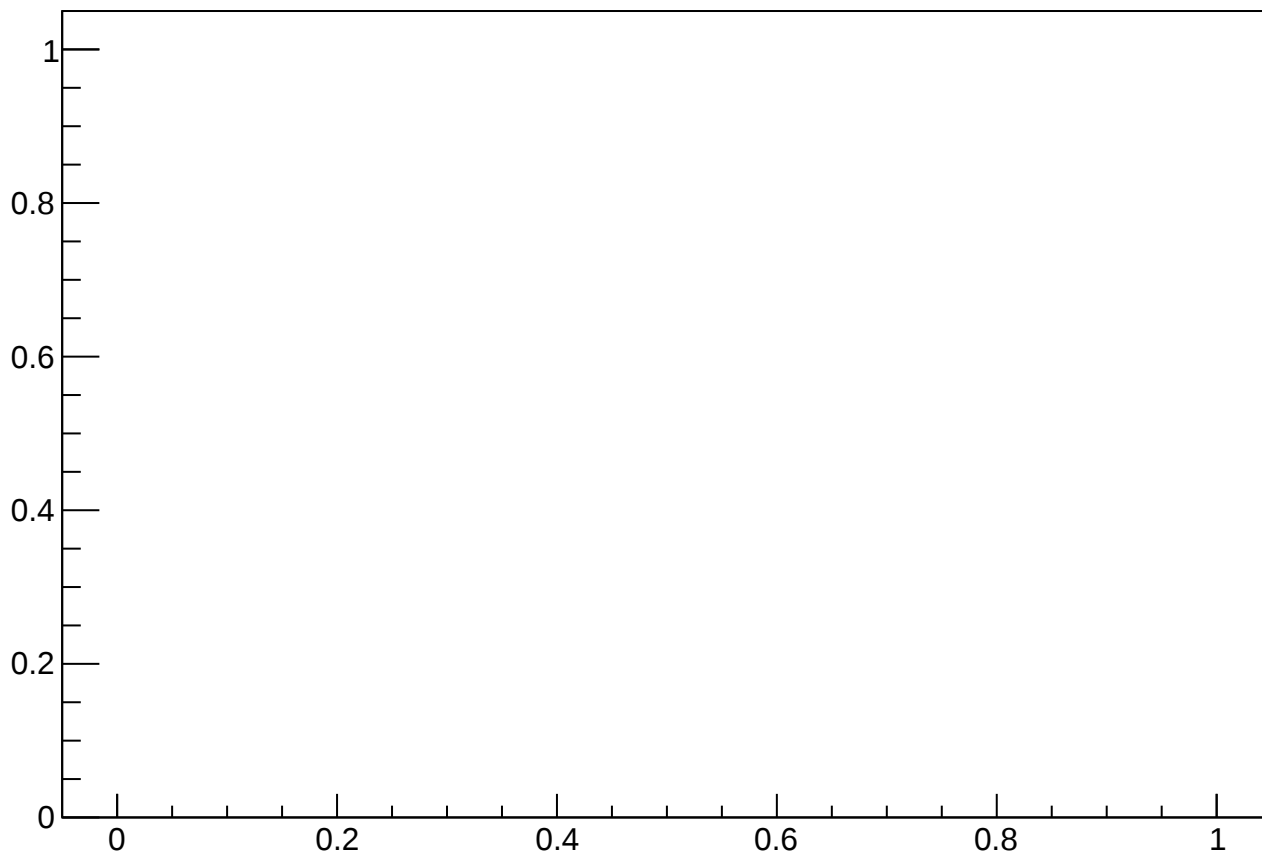
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug, Sign Corrected



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

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

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

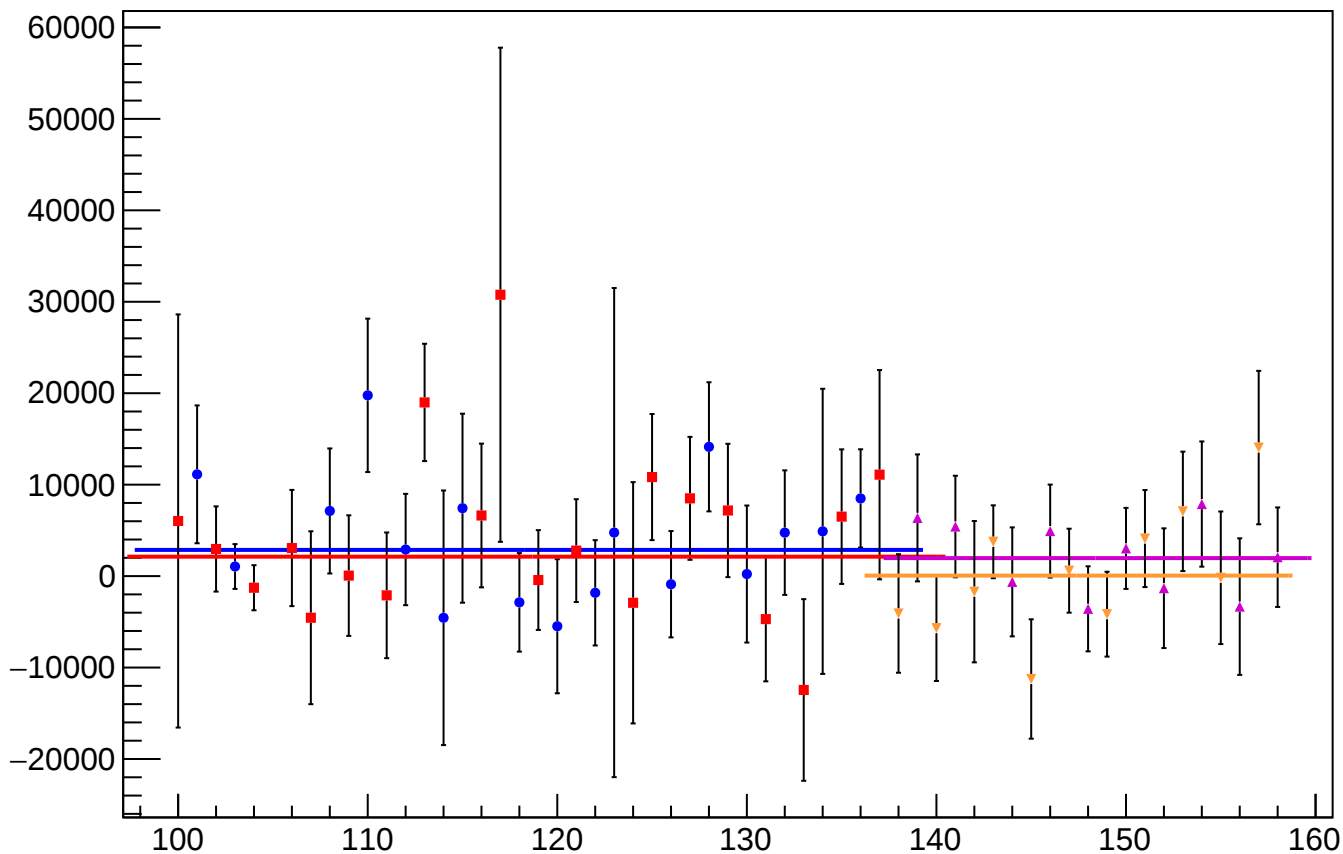
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2864.770 $\pm$ 1452.658 χ^2 /NDF: 14.1/16

Left Out: 56.641 $\pm$ 1707.398 χ^2 /NDF:10.7/10

Right Out: 2126.105 $\pm$ 1379.774 χ^2 /NDF: 18.8/19

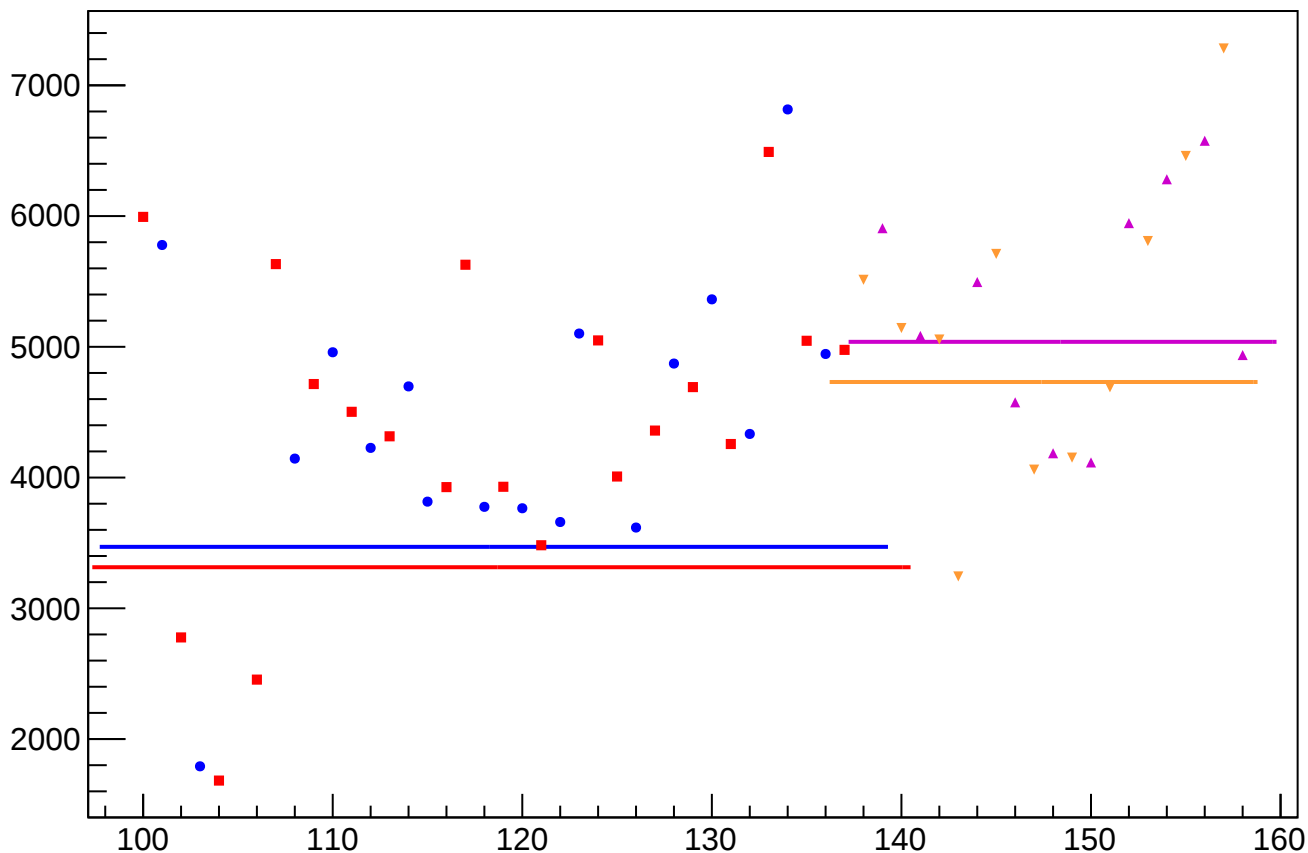
Left In: 1968.331 $\pm$ 1785.752 χ^2 /NDF:4.3/9

1685.615 $\pm$ 1106.399 χ^2 /NDF: 26.3/27

1878.898 $\pm$ 777.141 χ^2 /NDF: 49.5/57

2067.125 $\pm$ 1091.831 χ^2 /NDF: 23.1/29

asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3470.042 $\pm$ 1.027 χ^2/NDF : 1760860.6/16

Left Out: 4730.962 $\pm$ 1.207 χ^2/NDF : 793462.8/10

Right Out: 3314.183 $\pm$ 0.967 χ^2/NDF : 1925484.9/19

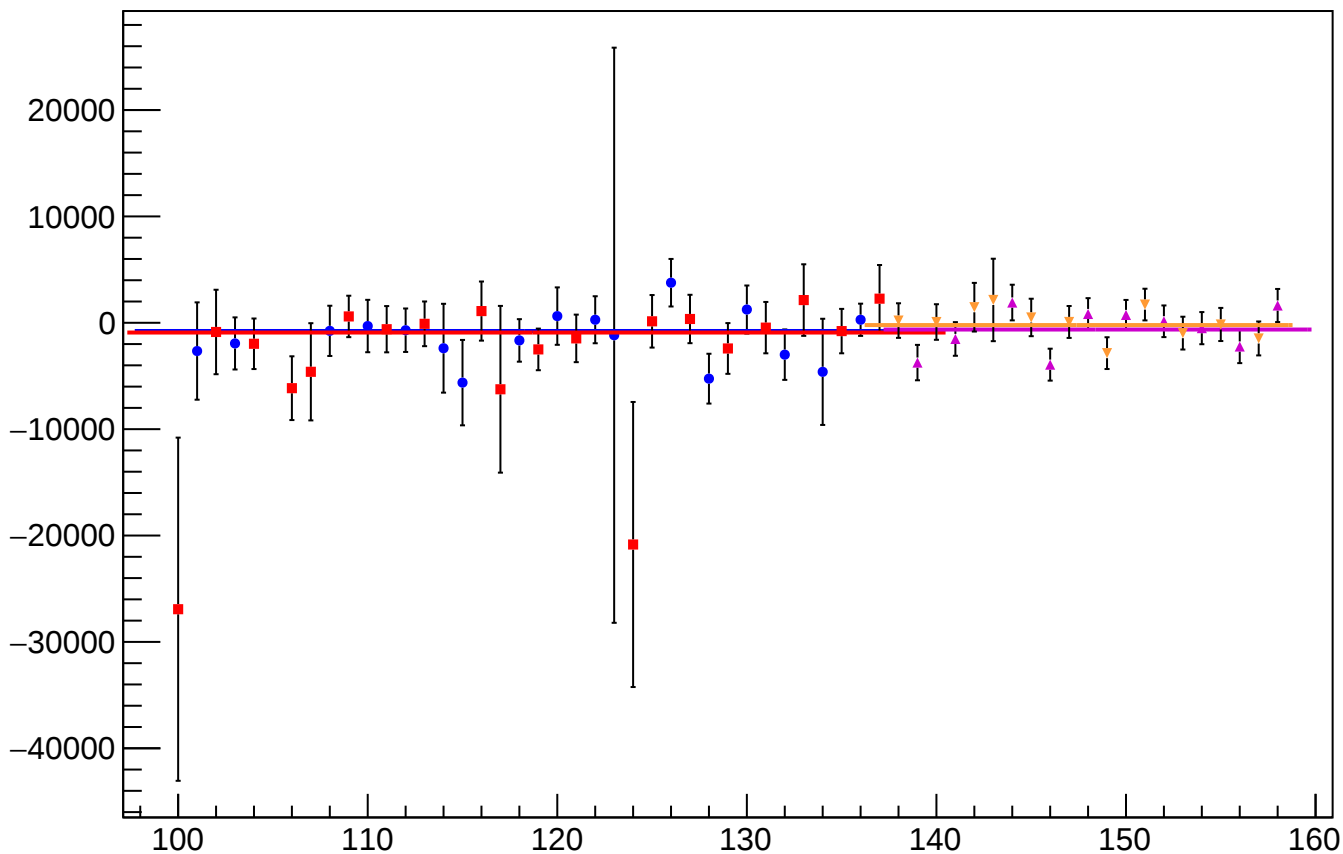
Left In: 5038.105 $\pm$ 1.263 χ^2/NDF : 403610.9/9

3999.497 $\pm$ 0.782 χ^2/NDF : 3187086.5/27

3974.920 $\pm$ 0.548 χ^2/NDF : 6693217.3/57

3951.258 $\pm$ 0.768 χ^2/NDF : 3504193.7/29

reg_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -771.153+/-603.689 χ^2 /NDF: 13.3/16

Left Out: -214.327+/-507.267 χ^2 /NDF:6.9/10

Right Out: -915.893+/-593.346 χ^2 /NDF: 14.0/19

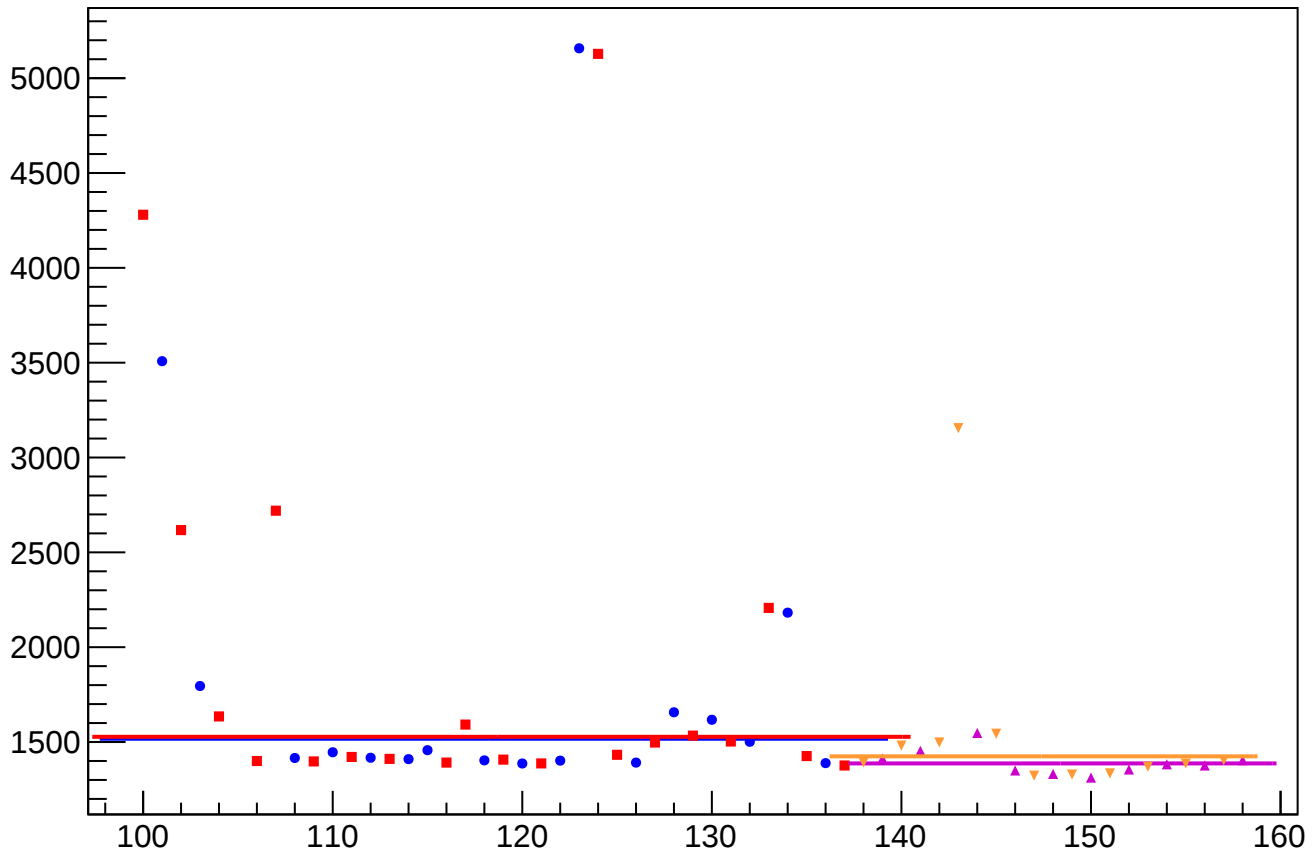
Left In: -633.929+/-486.404 χ^2 /NDF:16.3/9

-444.773+/-388.364 χ^2 /NDF: 20.7/27

-600.840+/-270.198 χ^2 /NDF: 51.3/57

-747.256+/-376.164 χ^2 /NDF: 30.4/29

reg_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1517.334 ± 0.427 χ^2/NDF : 536662.7/16

Left Out: 1424.534 ± 0.359 χ^2/NDF : 441750.1/10

Right Out: 1527.378 ± 0.420 χ^2/NDF : 631820.9/19

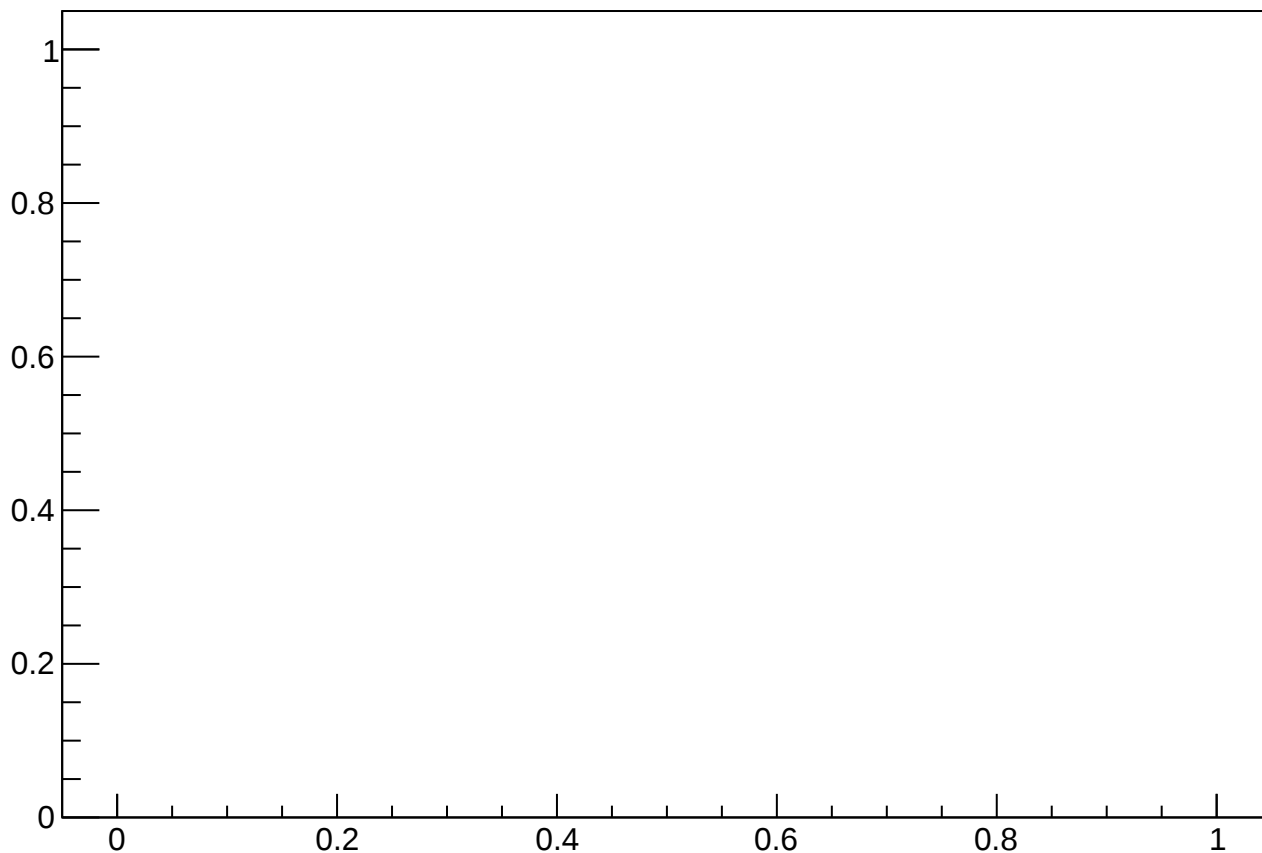
Left In: 1387.140 ± 0.344 χ^2/NDF : 33282.7/9

1462.940 ± 0.275 χ^2/NDF : 1006114.4/27

1452.912 ± 0.191 χ^2/NDF : 1740622.0/57

1443.505 ± 0.266 χ^2/NDF : 731923.3/29

asym_atl_avg_atr_avg_dd_correction_mean vs Slug, Sign Corrected



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

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

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

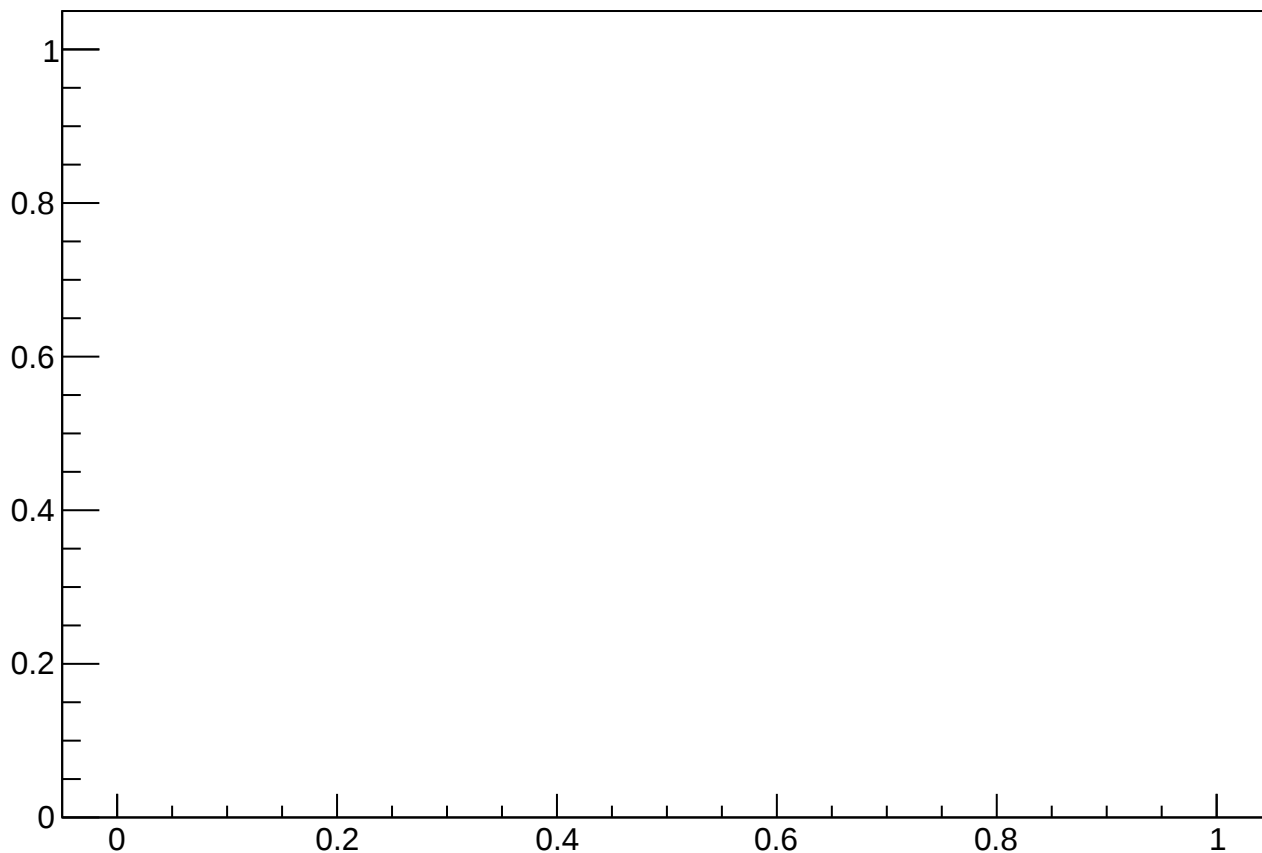
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug, Sign Corrected



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

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

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

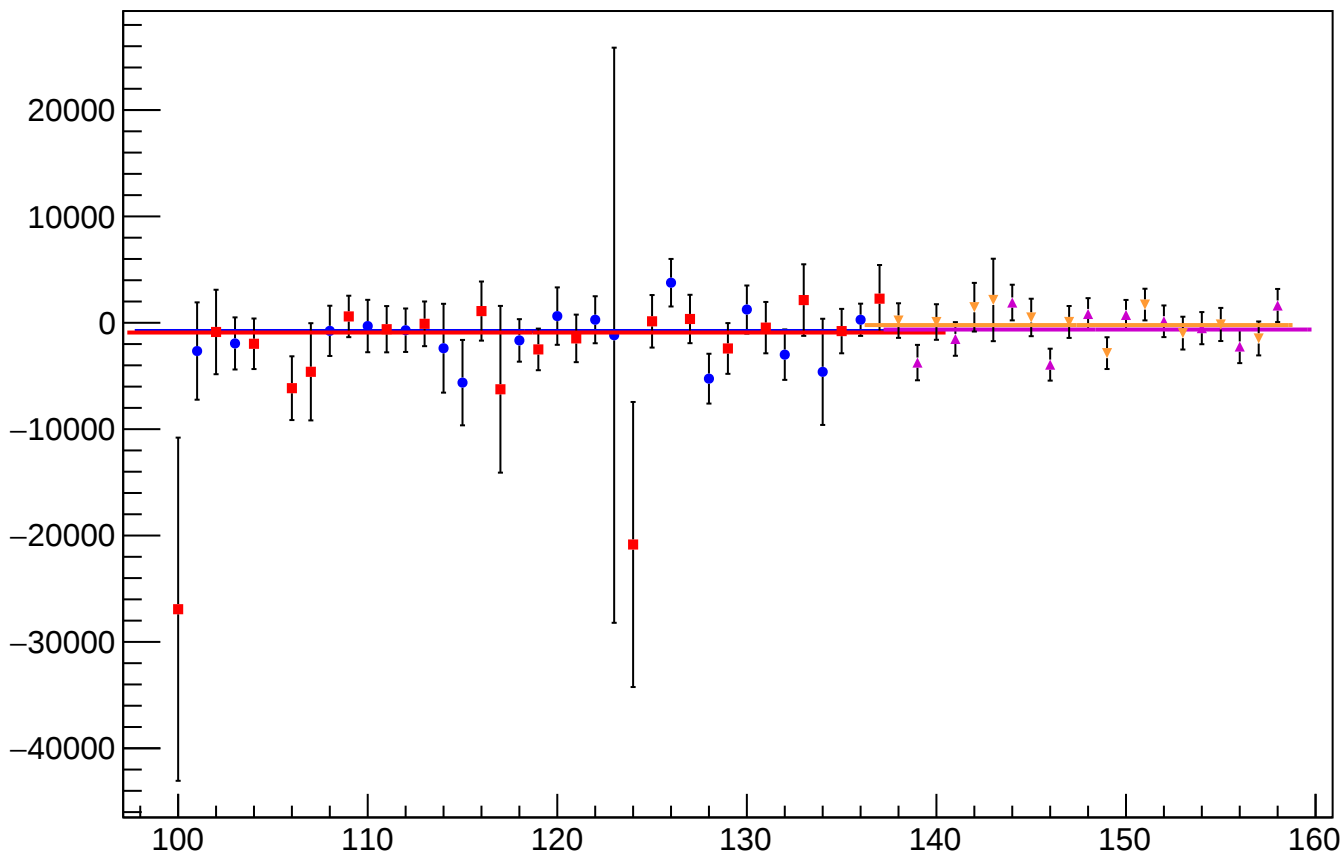
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: -214.327+/-507.267 χ^2/NDF : 6.9/10

Right Out: -915.893+/-593.346 χ^2/NDF : 14.0/19

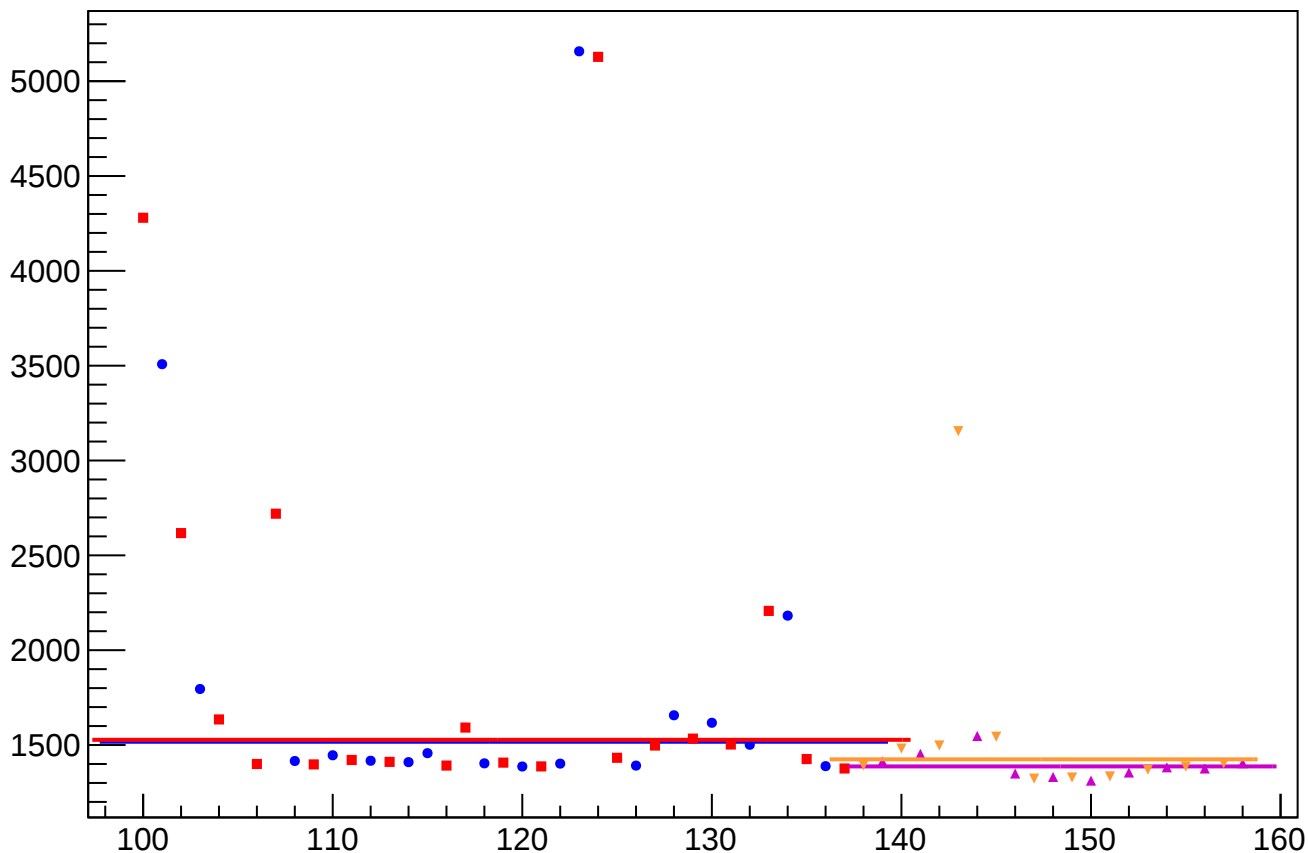
Left In: -633.929+/-486.404 χ^2/NDF : 16.3/9

-444.773+/-388.364 χ^2/NDF : 20.7/27

-600.840+/-270.198 χ^2/NDF : 51.3/57

-747.256+/-376.164 χ^2/NDF : 30.4/29

asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1424.534+/-0.359 χ^2/NDF : 441750.1/10

Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

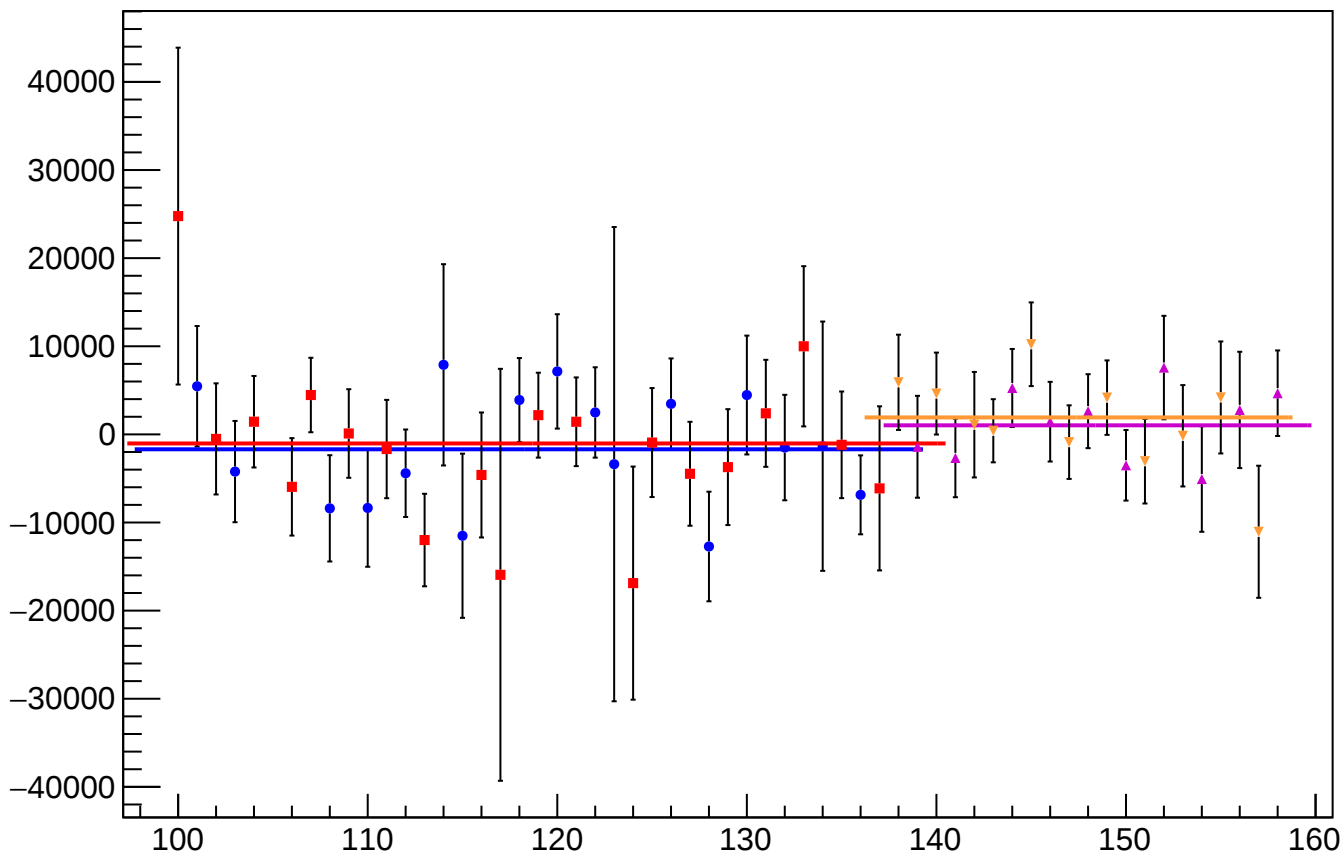
Left In: 1387.140+/-0.344 χ^2/NDF : 33282.7/9

1462.940+/-0.275 χ^2/NDF : 1006114.4/27

1452.912+/-0.191 χ^2/NDF : 1740622.0/57

1443.505+/-0.266 χ^2/NDF : 731923.3/29

reg_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



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

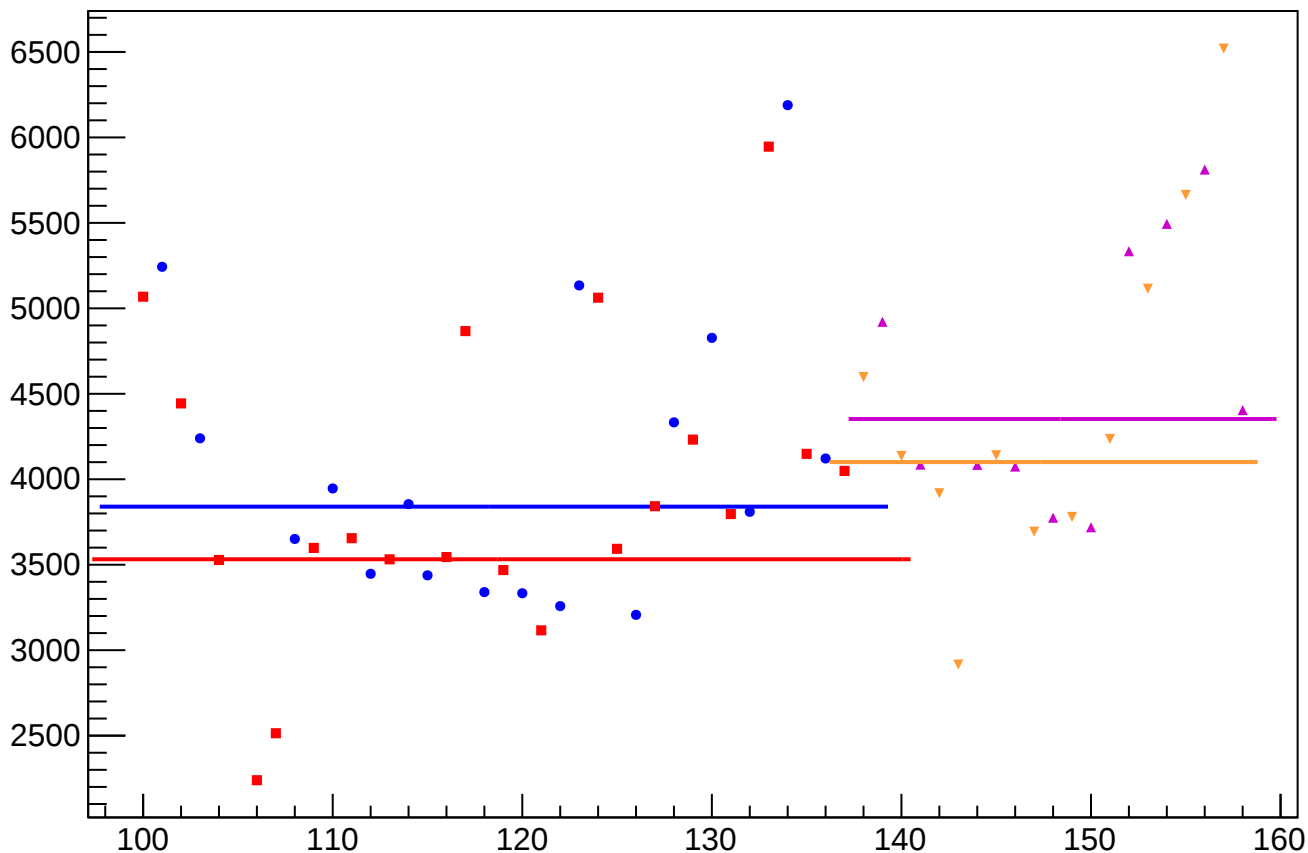
Left In: 1028.305 +/- 1540.196 χ^2/NDF : 6.1/9

163.365 +/- 1055.715 χ^2/NDF : 28.0/27

19.798 +/- 735.897 χ^2/NDF : 49.5/57

-115.890 +/- 1026.337 χ^2/NDF : 21.5/29

reg_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 4100.640+/-1.042 χ^2/NDF : 661451.5/10

Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

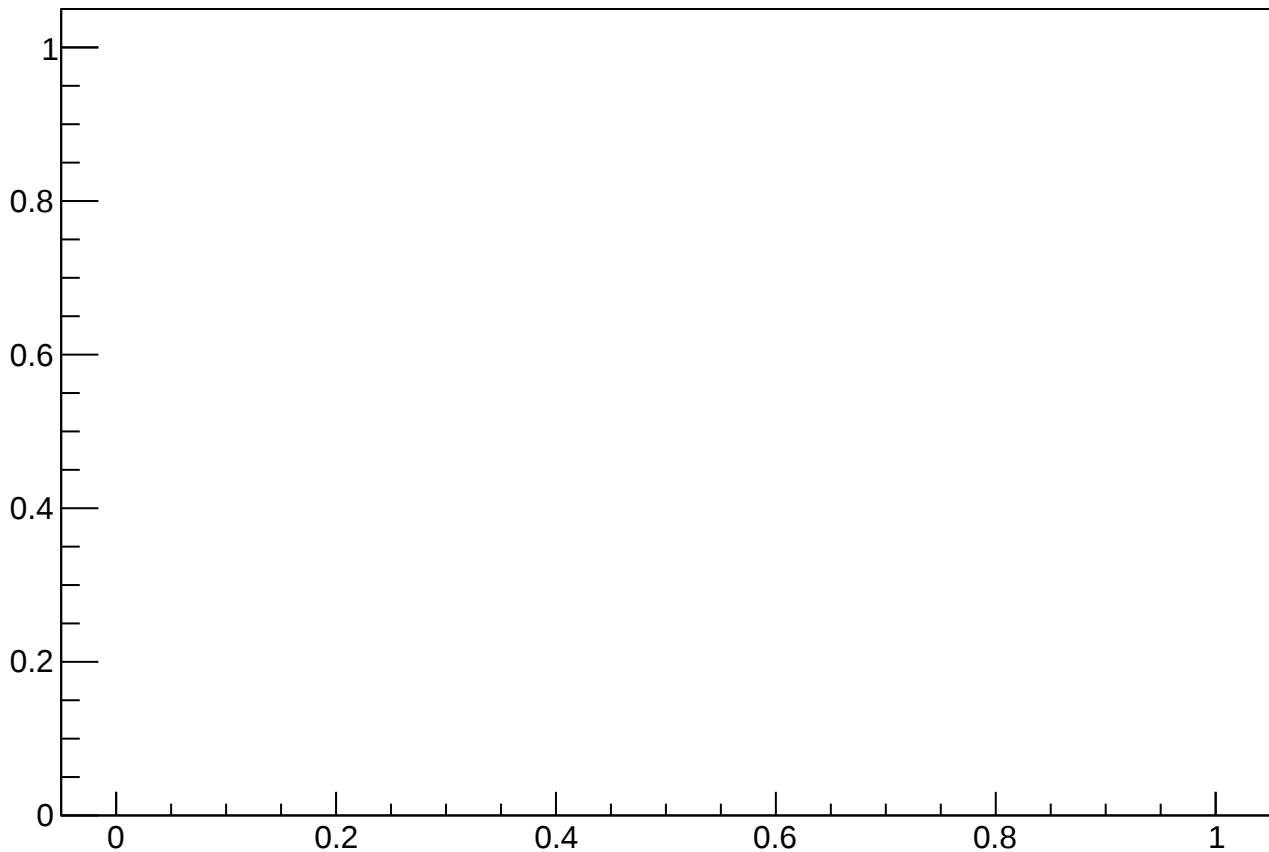
Left In: 4352.699+/-1.089 χ^2/NDF : 356008.8/9

3973.606+/-0.746 χ^2/NDF : 1017924.7/27

3931.795+/-0.519 χ^2/NDF : 2259685.2/57

3892.678+/-0.722 χ^2/NDF : 1235688.5/29

asym_atl_dd_atr_dd_avg_correction_mean vs Slug, Sign Corrected



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

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

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

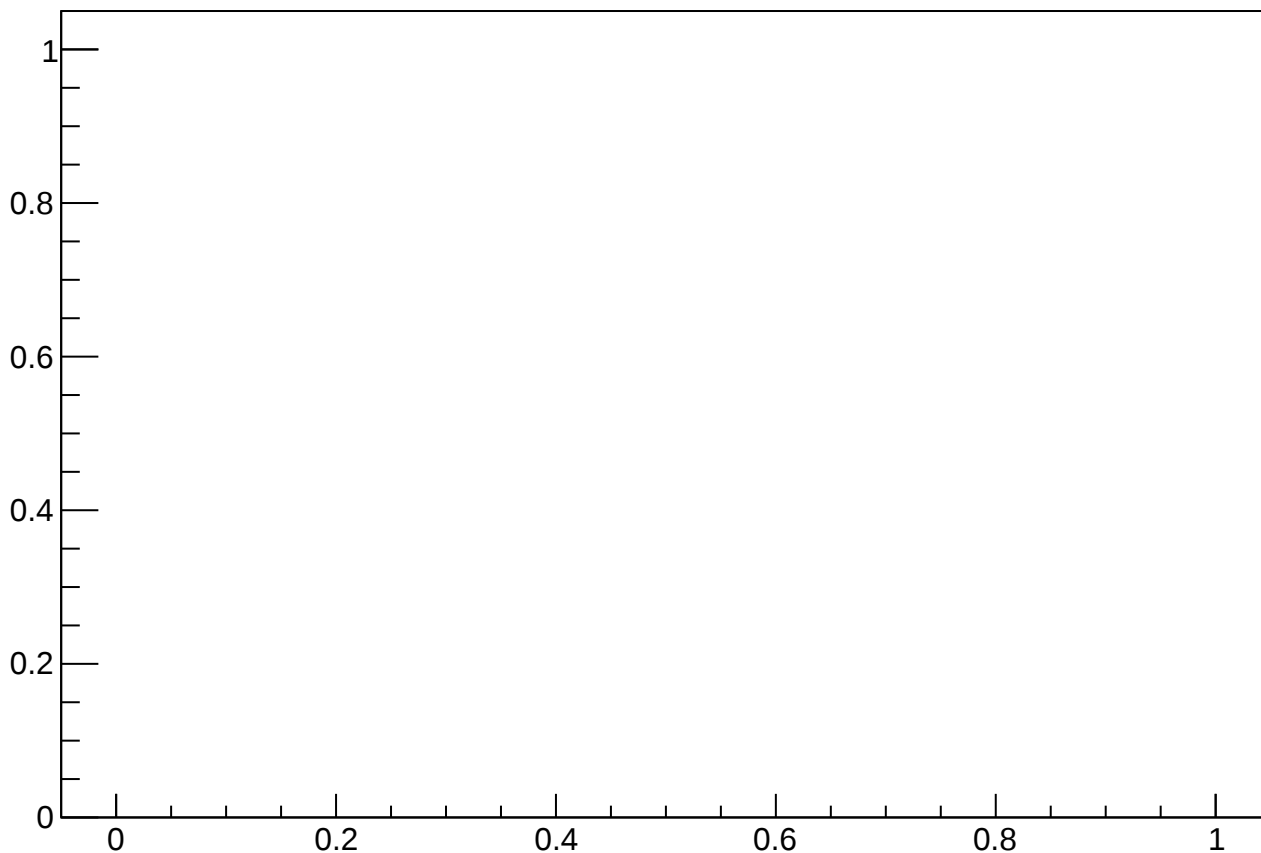
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug, Sign Corrected



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

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

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

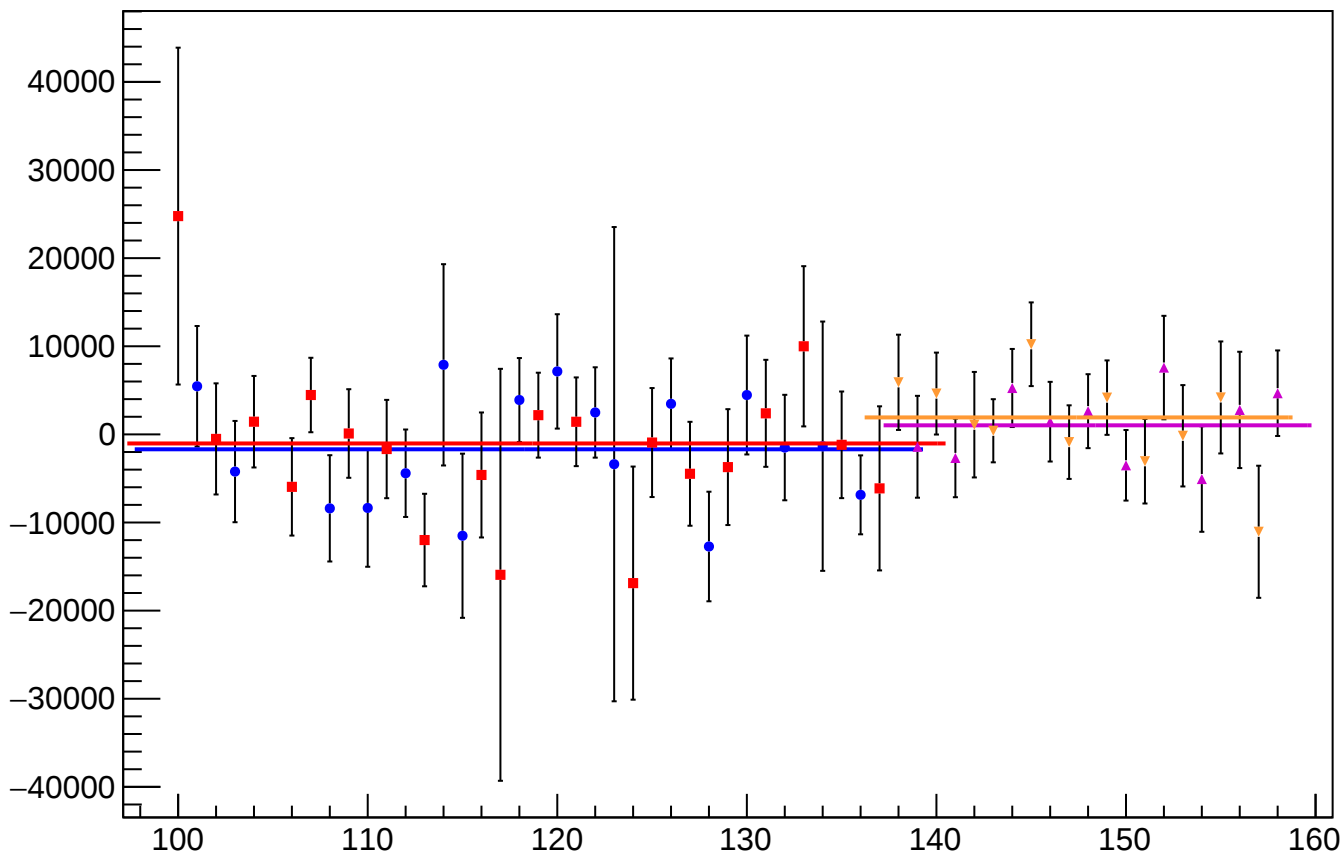
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1692.604 $\pm$ 1512.935 χ^2 /NDF: 15.8/16

Left Out: 1924.665 $\pm$ 1473.845 χ^2 /NDF: 9.2/10

Right Out: -1029.768 $\pm$ 1376.481 χ^2 /NDF: 14.3/19

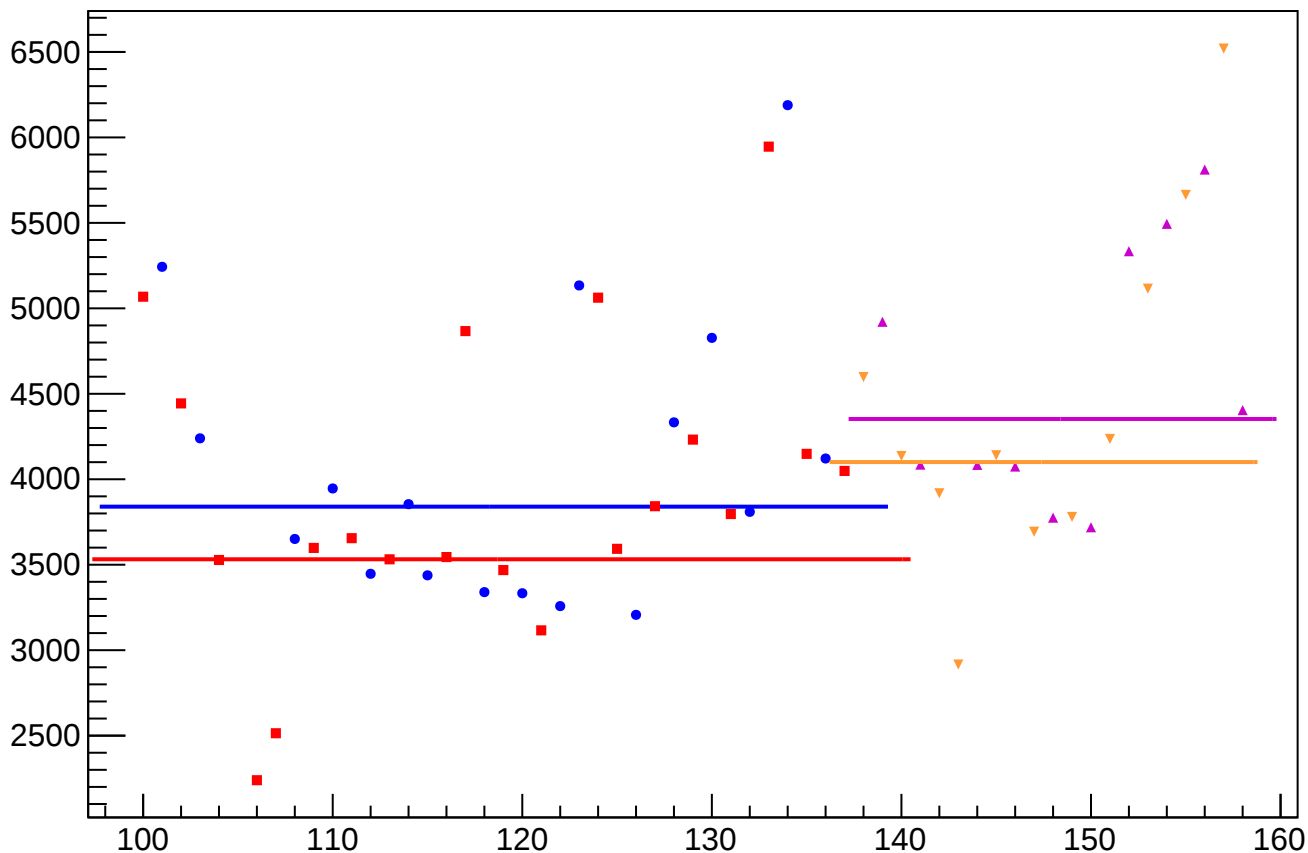
Left In: 1028.305 $\pm$ 1540.196 χ^2 /NDF: 6.1/9

163.365 $\pm$ 1055.715 χ^2 /NDF: 28.0/27

19.798 $\pm$ 735.897 χ^2 /NDF: 49.5/57

-115.890 $\pm$ 1026.337 χ^2 /NDF: 21.5/29

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3839.751 ± 1.070 $\chi^2/\text{NDF}: 325959.2/16$

Left Out: 4100.640 ± 1.042 $\chi^2/\text{NDF}: 661451.5/10$

Right Out: 3531.881 ± 0.965 $\chi^2/\text{NDF}: 561331.4/19$

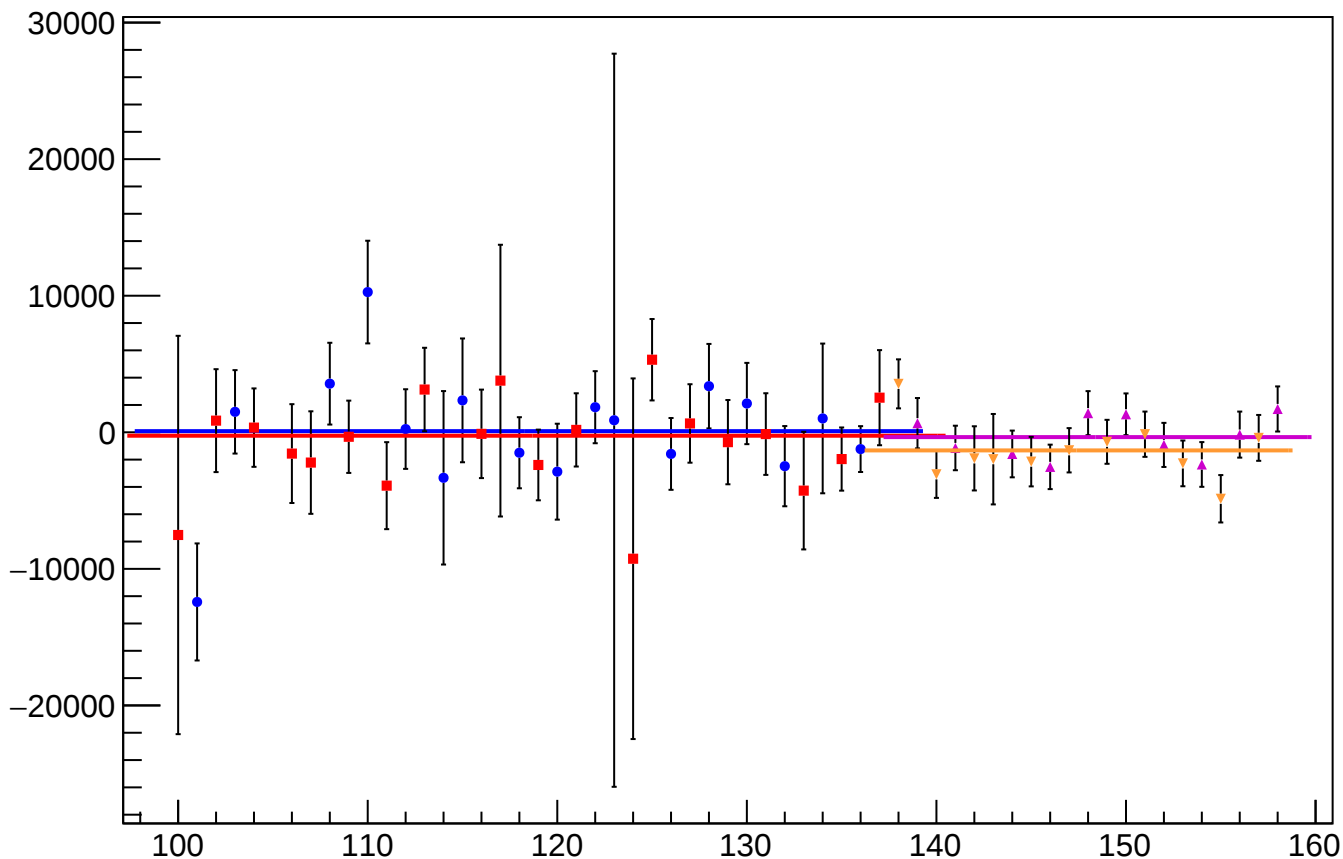
Left In: 4352.699 ± 1.089 $\chi^2/\text{NDF}: 356008.8/9$

3973.606 ± 0.746 $\chi^2/\text{NDF}: 1017924.7/27$

3931.795 ± 0.519 $\chi^2/\text{NDF}: 2259685.2/57$

3892.678 ± 0.722 $\chi^2/\text{NDF}: 1235688.5/29$

reg_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



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

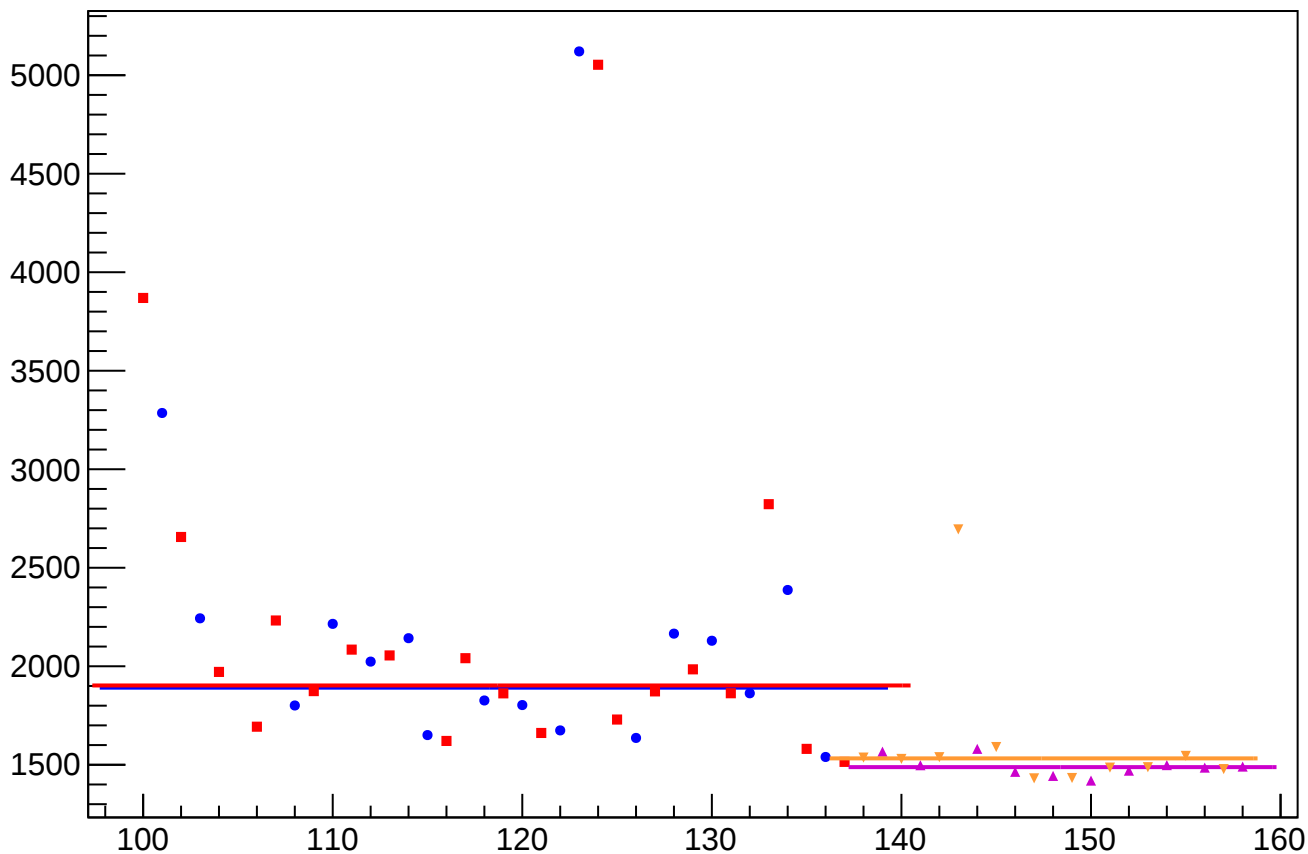
Left In: -352.231+/-521.388 χ^2/NDF :8.4/9

-842.461+/-439.738 χ^2/NDF : 39.4/27

-571.149+/-305.485 χ^2/NDF : 58.9/57

-318.080+/-424.698 χ^2/NDF : 18.8/29

reg_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1891.492 $\pm$ 0.531 χ^2 /NDF: 464497.5/16

Left Out: 1532.456 $\pm$ 0.384 χ^2 /NDF: 269159.9/10

Right Out: 1902.551 $\pm$ 0.518 χ^2 /NDF: 461077.0/19

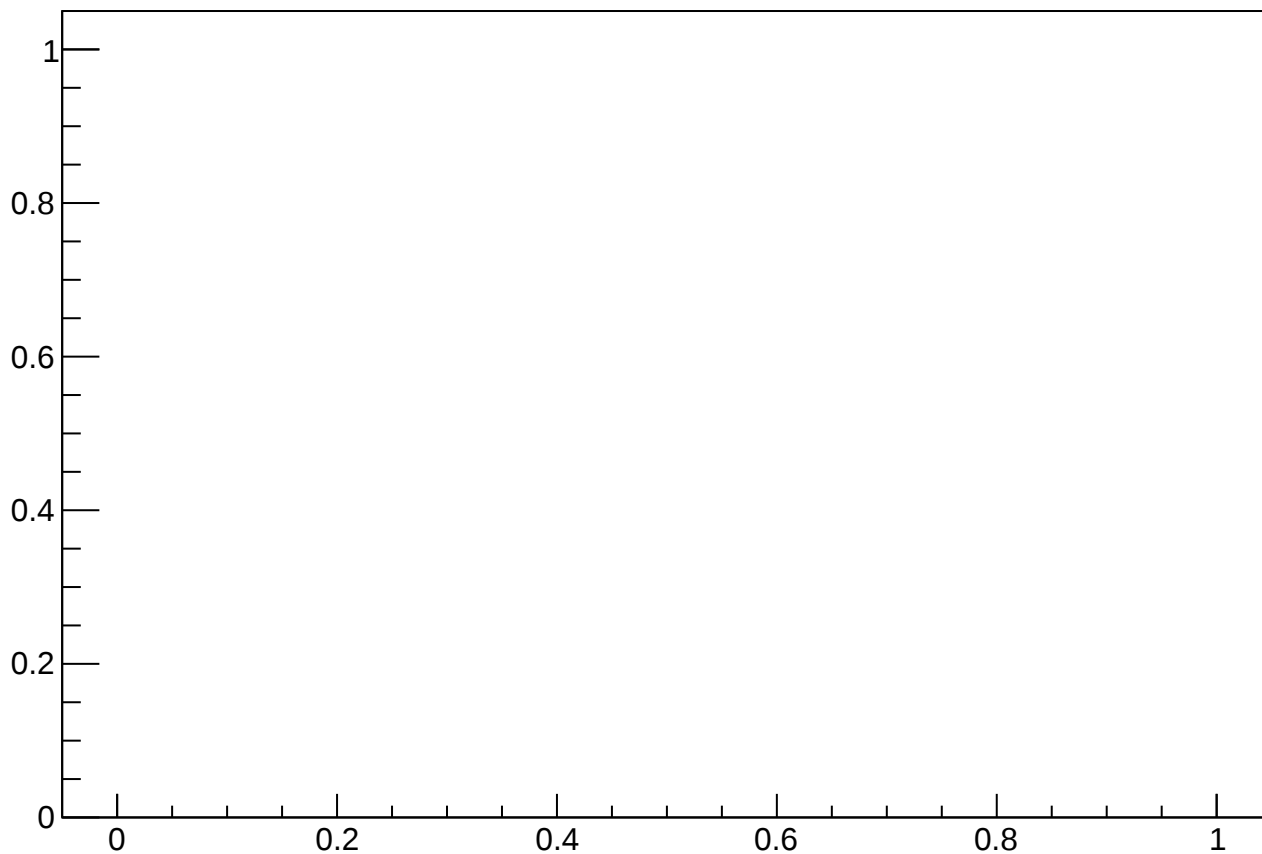
Left In: 1488.125 $\pm$ 0.369 χ^2 /NDF: 15874.9/9

1655.702 $\pm$ 0.311 χ^2 /NDF: 1034225.4/27

1641.154 $\pm$ 0.216 χ^2 /NDF: 1940617.4/57

1627.584 $\pm$ 0.300 χ^2 /NDF: 902161.1/29

asym_atl_dd_atr_dd_dd_correction_mean vs Slug, Sign Corrected



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

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

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

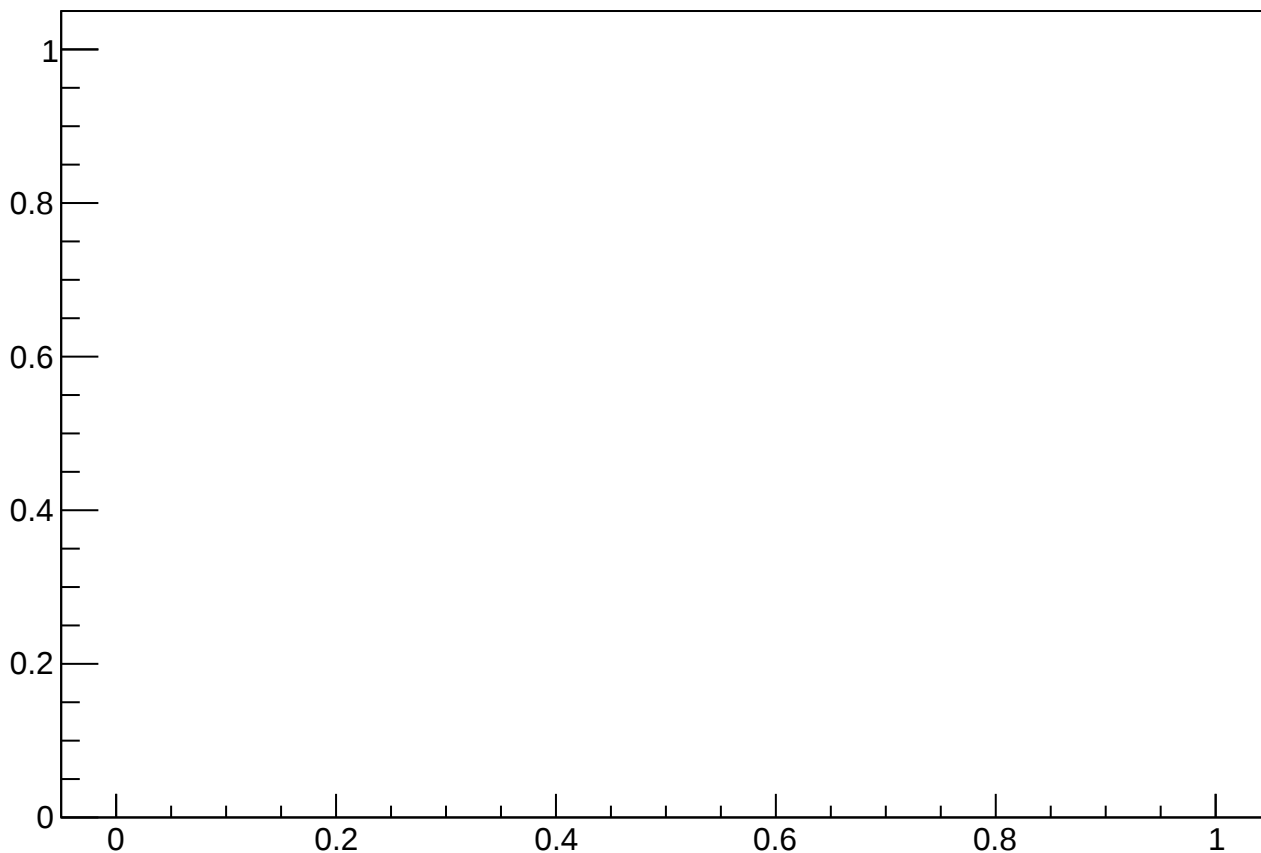
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug, Sign Corrected



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

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

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

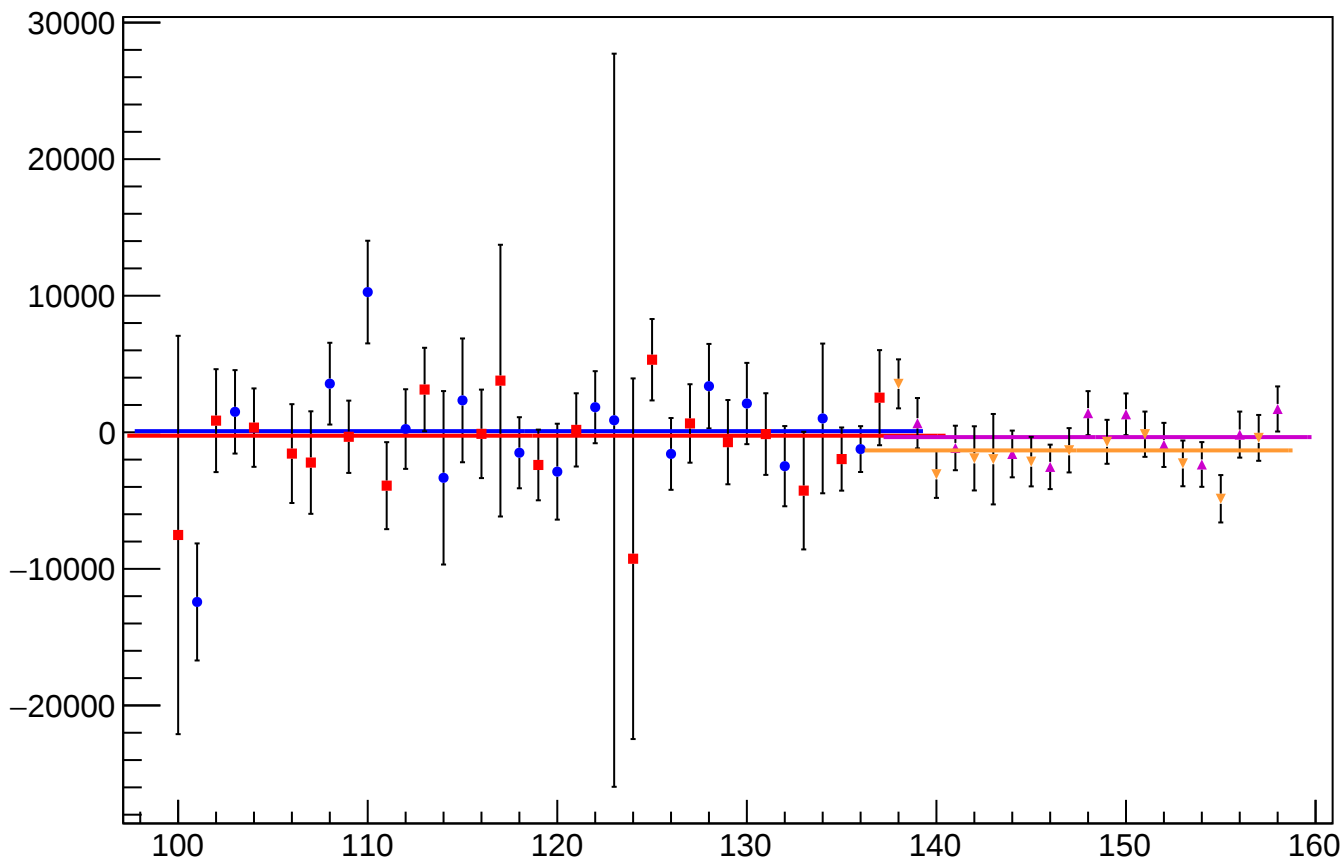
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 83.860+/-750.549 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

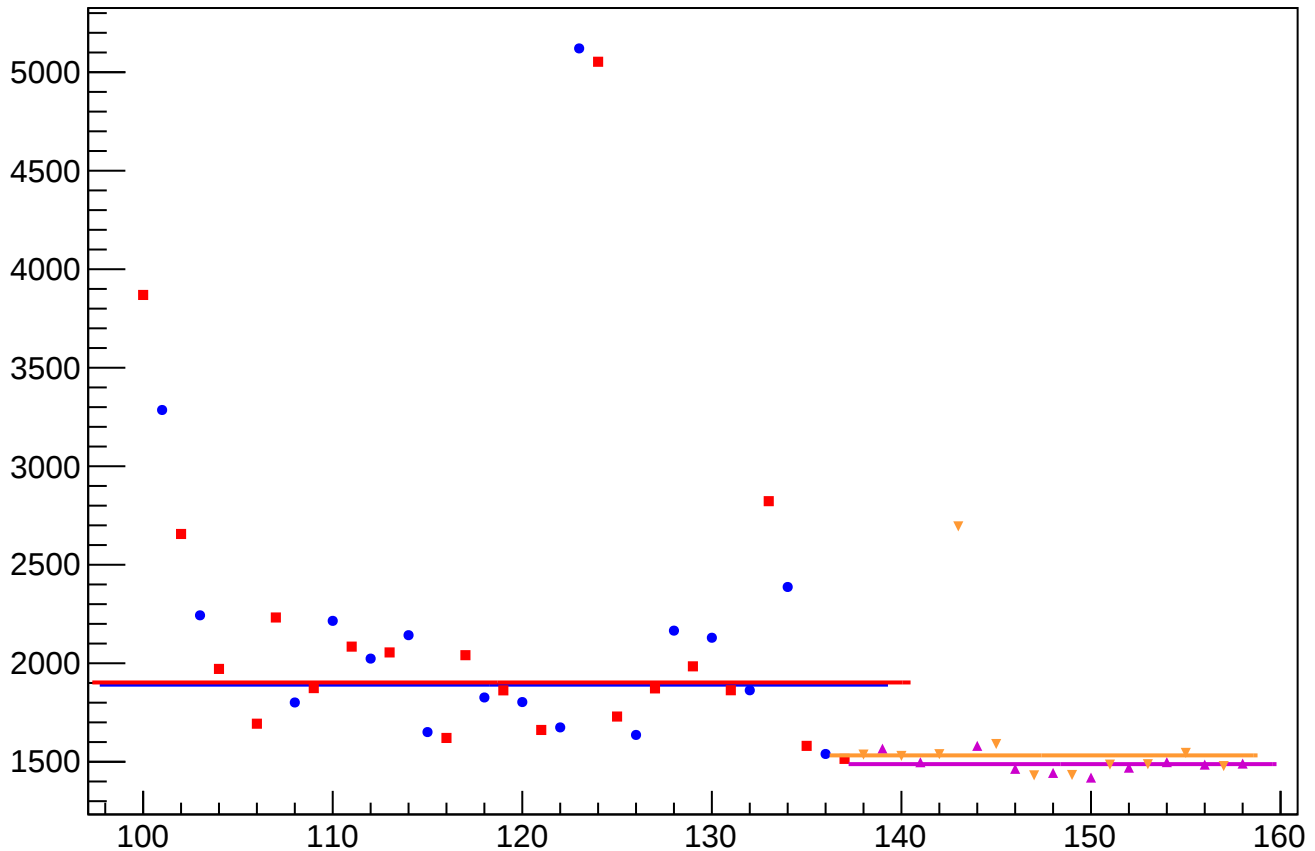
Left In: -352.231+/-521.388 χ^2/NDF :8.4/9

-842.461+/-439.738 χ^2/NDF : 39.4/27

-571.149+/-305.485 χ^2/NDF : 58.9/57

-318.080+/-424.698 χ^2/NDF : 18.8/29

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1891.492 $\pm$ 0.531 χ^2 /NDF: 464497.5/16

Left Out: 1532.456 $\pm$ 0.384 χ^2 /NDF: 269159.9/10

Right Out: 1902.551 $\pm$ 0.518 χ^2 /NDF: 461077.0/19

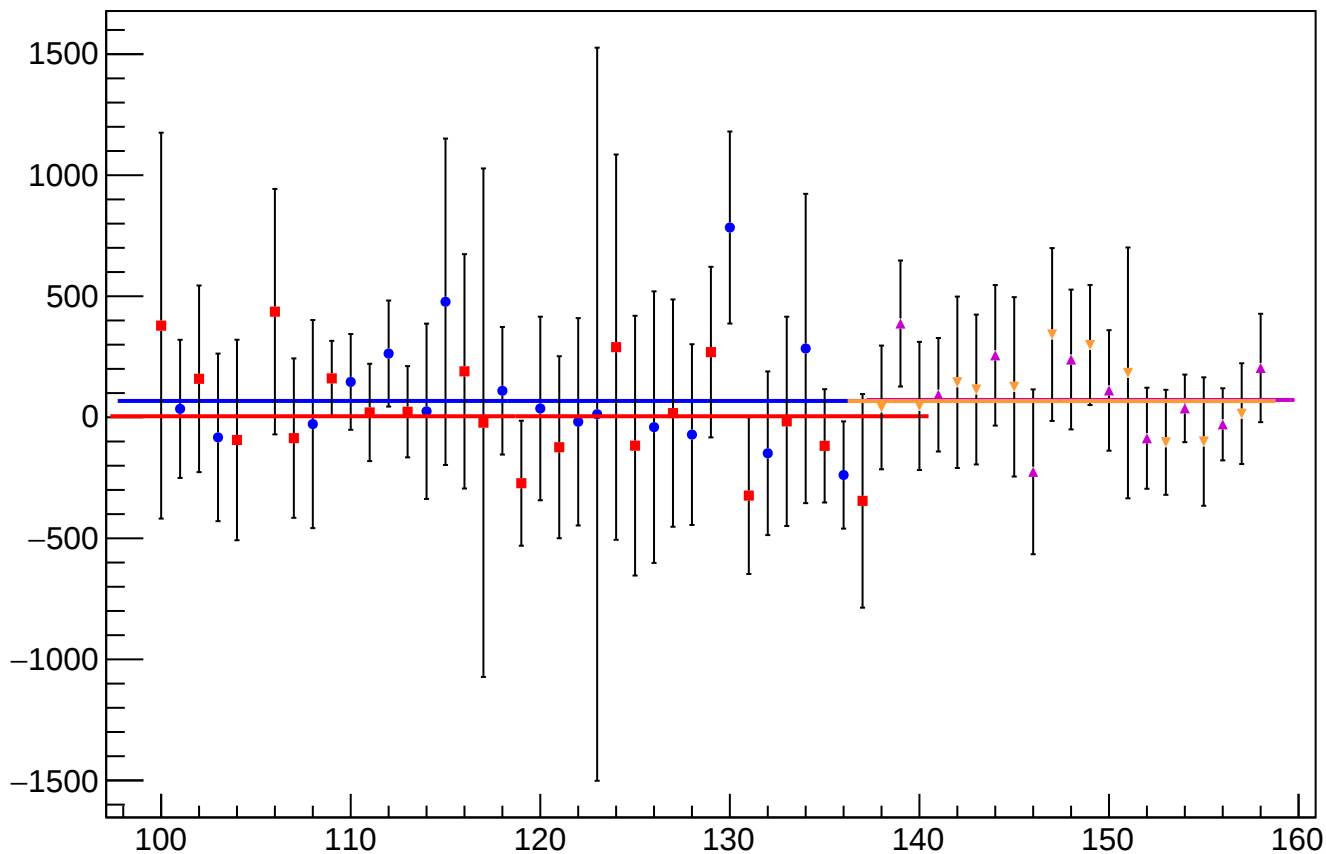
Left In: 1488.125 $\pm$ 0.369 χ^2 /NDF: 15874.9/9

1655.702 $\pm$ 0.311 χ^2 /NDF: 1034225.4/27

1641.154 $\pm$ 0.216 χ^2 /NDF: 1940617.4/57

1627.584 $\pm$ 0.300 χ^2 /NDF: 902161.1/29

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



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

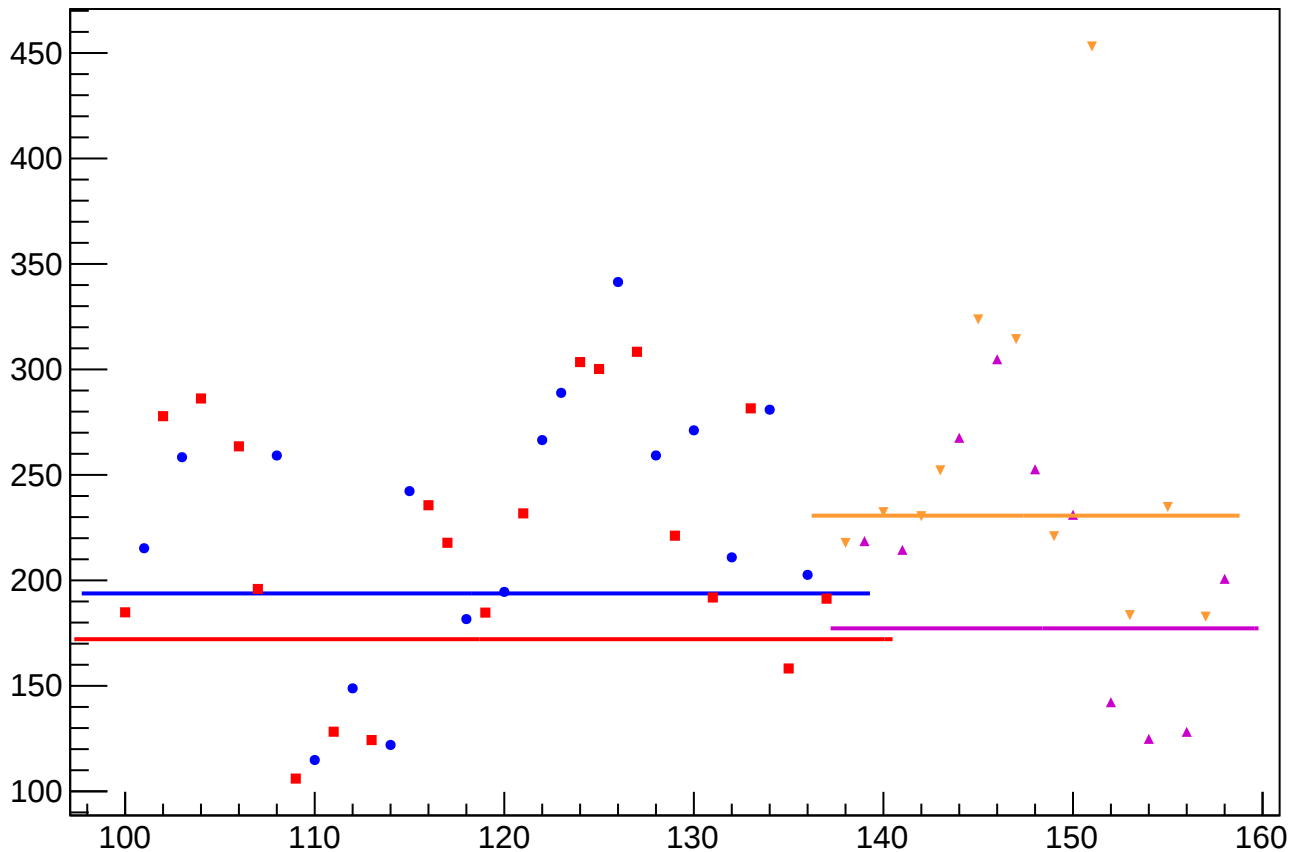
Left In: 71.643 $\pm$ 67.289 χ^2 /NDF: 4.4/9

67.330 $\pm$ 57.786 χ^2 /NDF: 10.2/27

50.834 $\pm$ 37.132 χ^2 /NDF: 21.7/57

39.233 $\pm$ 48.462 χ^2 /NDF: 11.3/29

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.815 $\pm$ 0.056 χ^2 /NDF: 1010325.5/16

Left Out: 230.693 $\pm$ 0.059 χ^2 /NDF: 823433.3/10

Right Out: 172.123 $\pm$ 0.049 χ^2 /NDF: 1580879.9/19

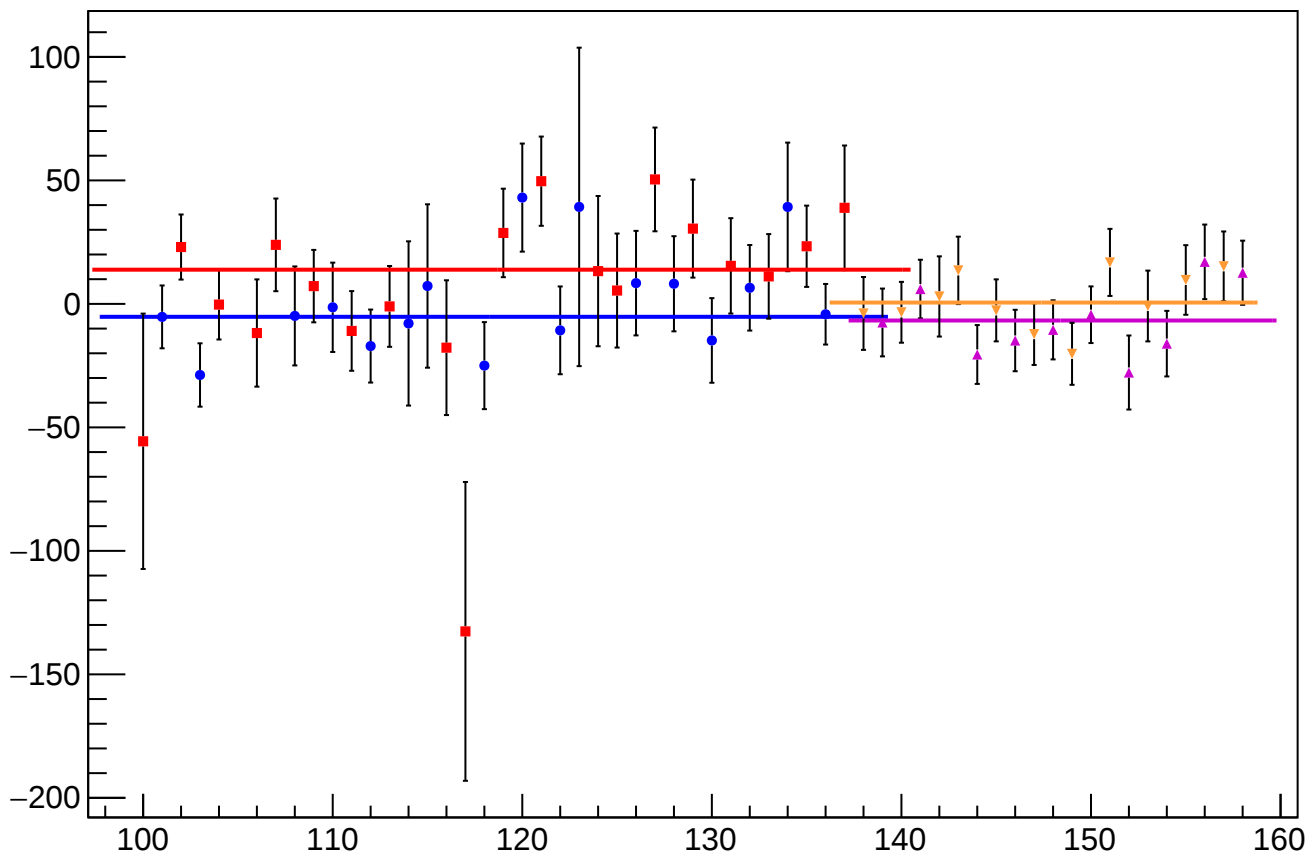
Left In: 177.263 $\pm$ 0.048 χ^2 /NDF: 1381781.9/9

211.262 $\pm$ 0.041 χ^2 /NDF: 2036800.0/27

189.849 $\pm$ 0.026 χ^2 /NDF: 5472830.5/57

174.789 $\pm$ 0.034 χ^2 /NDF: 2968278.2/29

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.231 ± 4.356 χ^2/NDF : 15.5/16

Left Out: 0.543 ± 4.089 χ^2/NDF : 7.9/10

Right Out: 13.851 ± 4.255 χ^2/NDF : 25.4/19

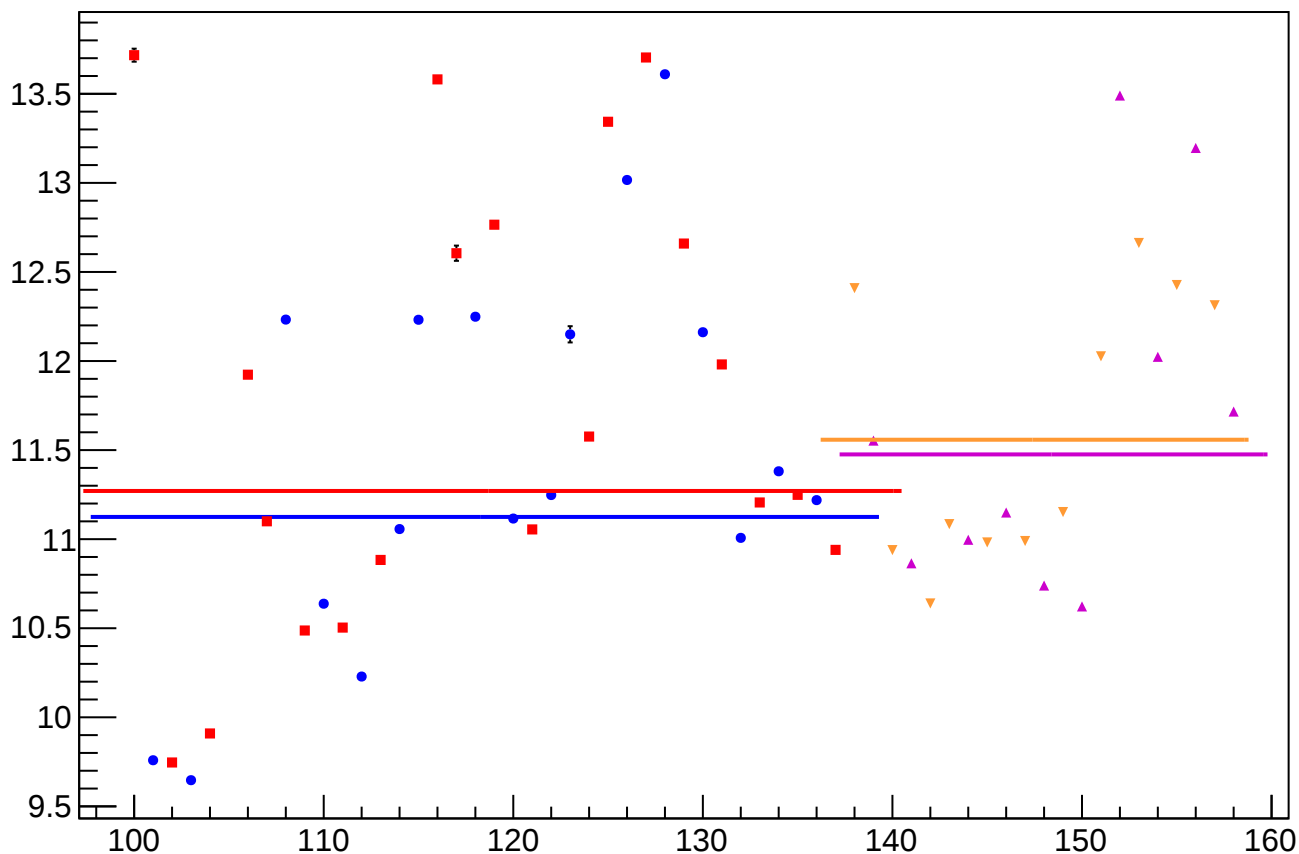
Left In: -6.725 ± 4.051 χ^2/NDF : 10.2/9

-2.161 ± 2.981 χ^2/NDF : 24.4/27

0.491 ± 2.091 χ^2/NDF : 73.8/57

3.059 ± 2.934 χ^2/NDF : 47.9/29

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 11.125 $\pm$ 0.003 χ^2/NDF : 132520.1/16

Left Out: 11.558 $\pm$ 0.003 χ^2/NDF : 58586.3/10

Right Out: 11.271 $\pm$ 0.003 χ^2/NDF : 148711.4/19

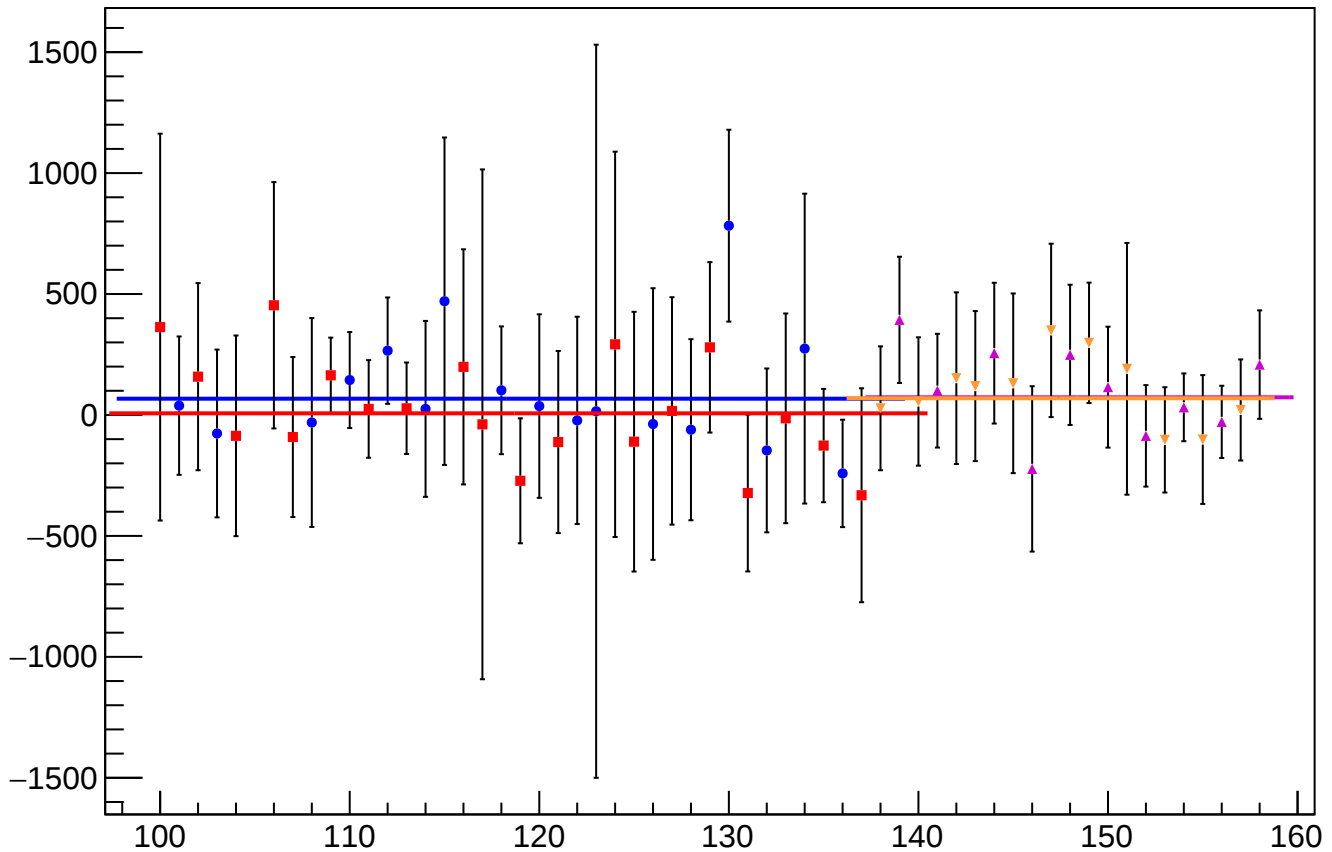
Left In: 11.476 $\pm$ 0.003 χ^2/NDF : 94783.1/9

11.355 $\pm$ 0.002 χ^2/NDF : 201632.1/27

11.367 $\pm$ 0.001 χ^2/NDF : 447627.5/57

11.378 $\pm$ 0.002 χ^2/NDF : 245935.0/29

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.305+/-79.817 χ^2/NDF : 7.5/16

Left Out: 69.103+/-84.291 χ^2/NDF : 2.7/10

Right Out: 6.837+/-70.057 χ^2/NDF : 6.4/19

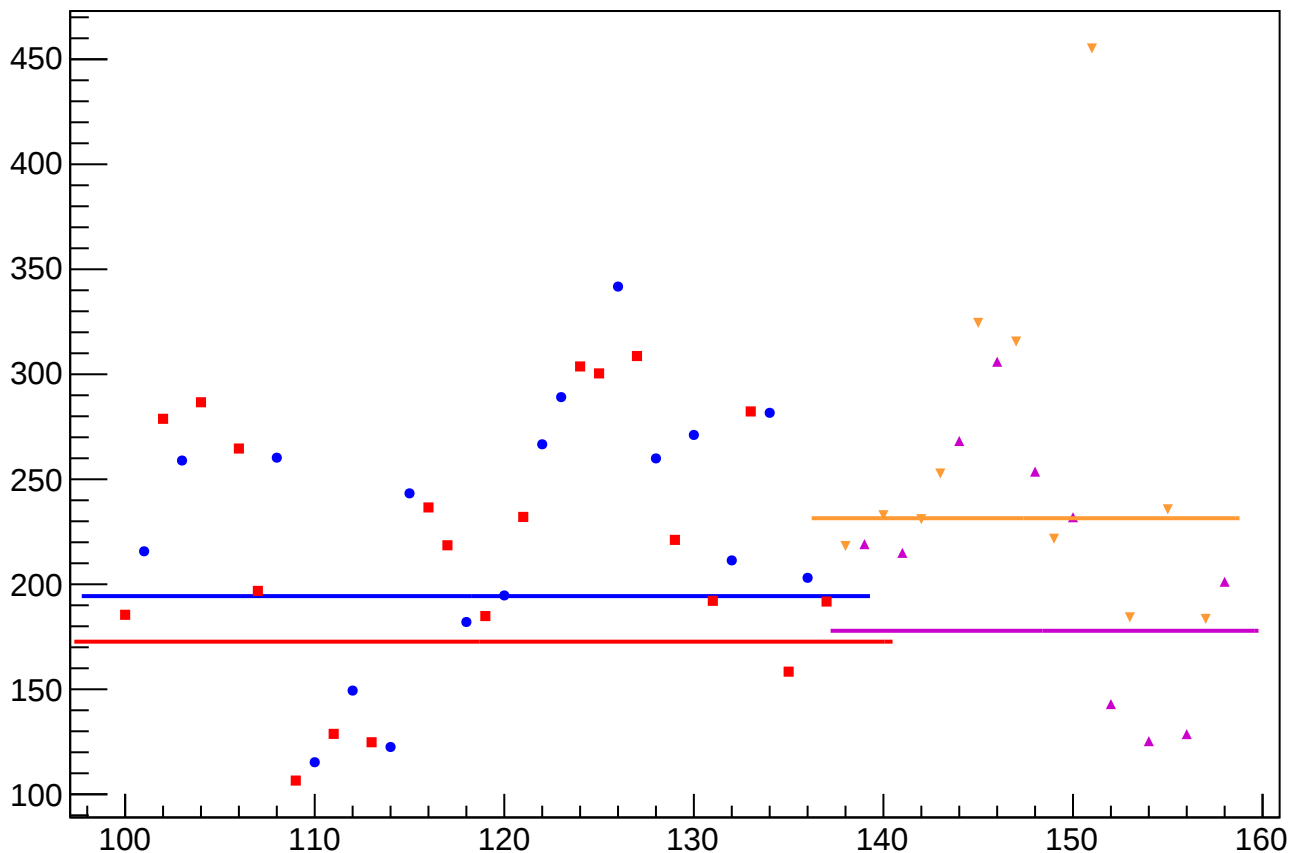
Left In: 72.976+/-67.511 χ^2/NDF : 4.5/9

68.155+/-57.956 χ^2/NDF : 10.2/27

52.291+/-37.245 χ^2/NDF : 21.8/57

41.130+/-48.613 χ^2/NDF : 11.5/29

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.365 $\pm$ 0.056 χ^2 /NDF: 1005234.4/16

Left Out: 231.456 $\pm$ 0.060 χ^2 /NDF: 822893.2/10

Right Out: 172.675 $\pm$ 0.050 χ^2 /NDF: 1573459.1/19

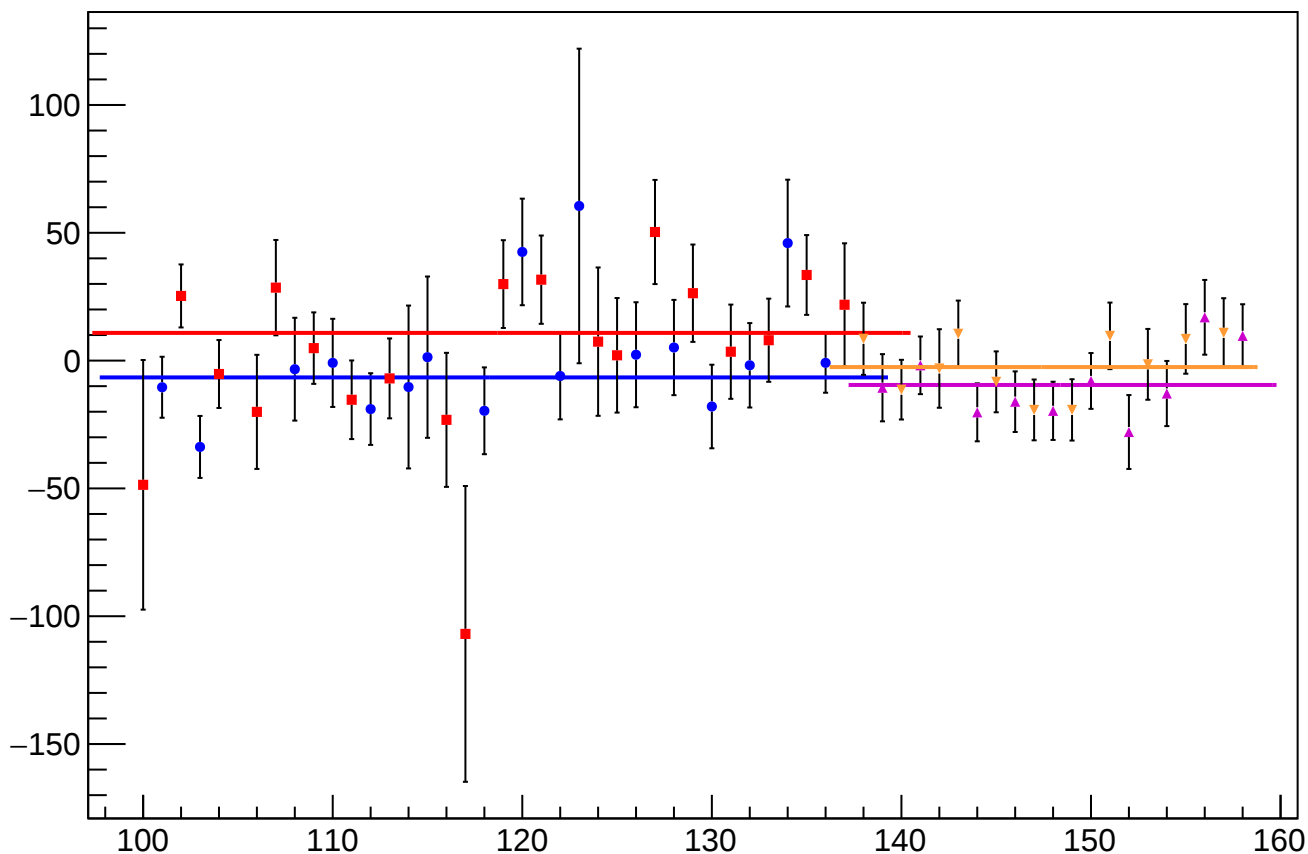
Left In: 177.860 $\pm$ 0.048 χ^2 /NDF: 1379489.8/9

211.900 $\pm$ 0.041 χ^2 /NDF: 2032304.7/27

190.453 $\pm$ 0.026 χ^2 /NDF: 5457522.4/57

175.363 $\pm$ 0.034 χ^2 /NDF: 2958628.4/29

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.575 ± 4.157 χ^2/NDF : 19.3/16

Left Out: -2.530 ± 3.906 χ^2/NDF : 8.9/10

Right Out: 10.838 ± 4.070 χ^2/NDF : 27.1/19

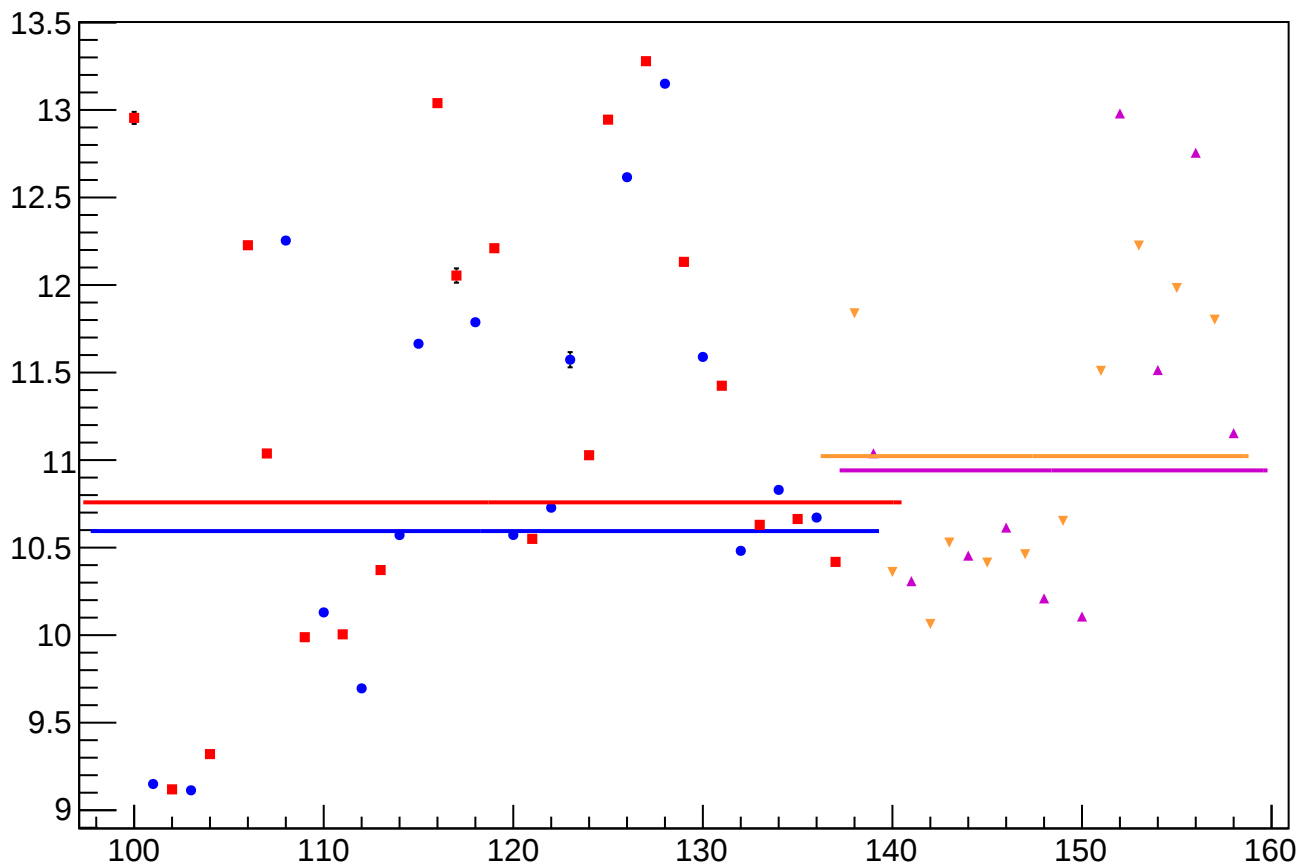
Left In: -9.532 ± 3.869 χ^2/NDF : 9.9/9

-4.427 ± 2.847 χ^2/NDF : 28.7/27

-2.110 ± 1.998 χ^2/NDF : 80.2/57

0.138 ± 2.804 χ^2/NDF : 50.1/29

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.594 ± 0.003 χ^2/NDF : 160059.2/16

Left Out: 11.023 ± 0.003 χ^2/NDF : 69793.7/10

Right Out: 10.758 ± 0.003 χ^2/NDF : 178180.9/19

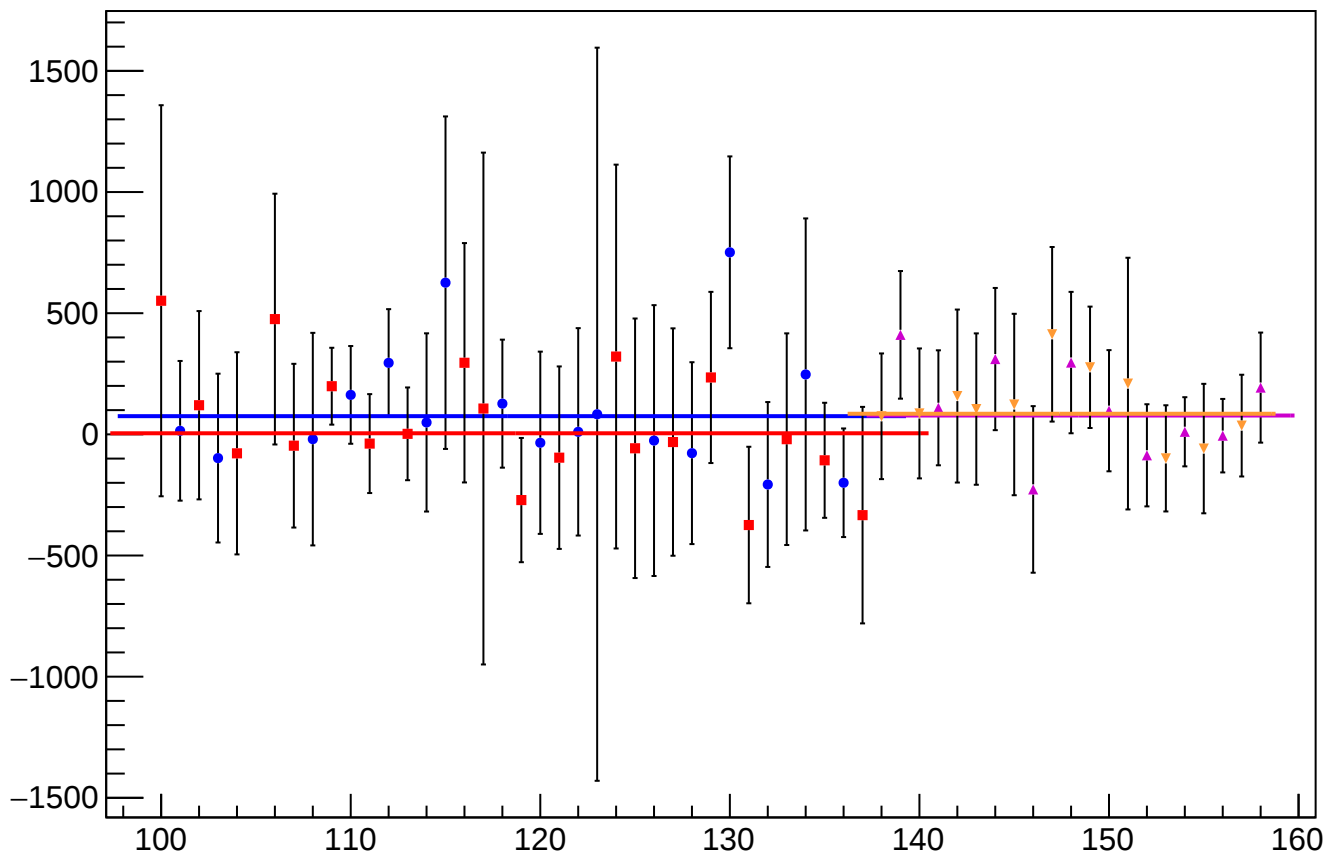
Left In: 10.941 ± 0.003 χ^2/NDF : 106792.2/9

10.822 ± 0.002 χ^2/NDF : 241120.2/27

10.838 ± 0.001 χ^2/NDF : 528340.7/57

10.854 ± 0.002 χ^2/NDF : 287088.0/29

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 75.086 $\pm$ 80.352 χ^2 /NDF: 7.7/16

Left Out: 84.984 $\pm$ 84.853 χ^2 /NDF: 2.6/10

Right Out: 4.459 $\pm$ 70.724 χ^2 /NDF: 7.3/19

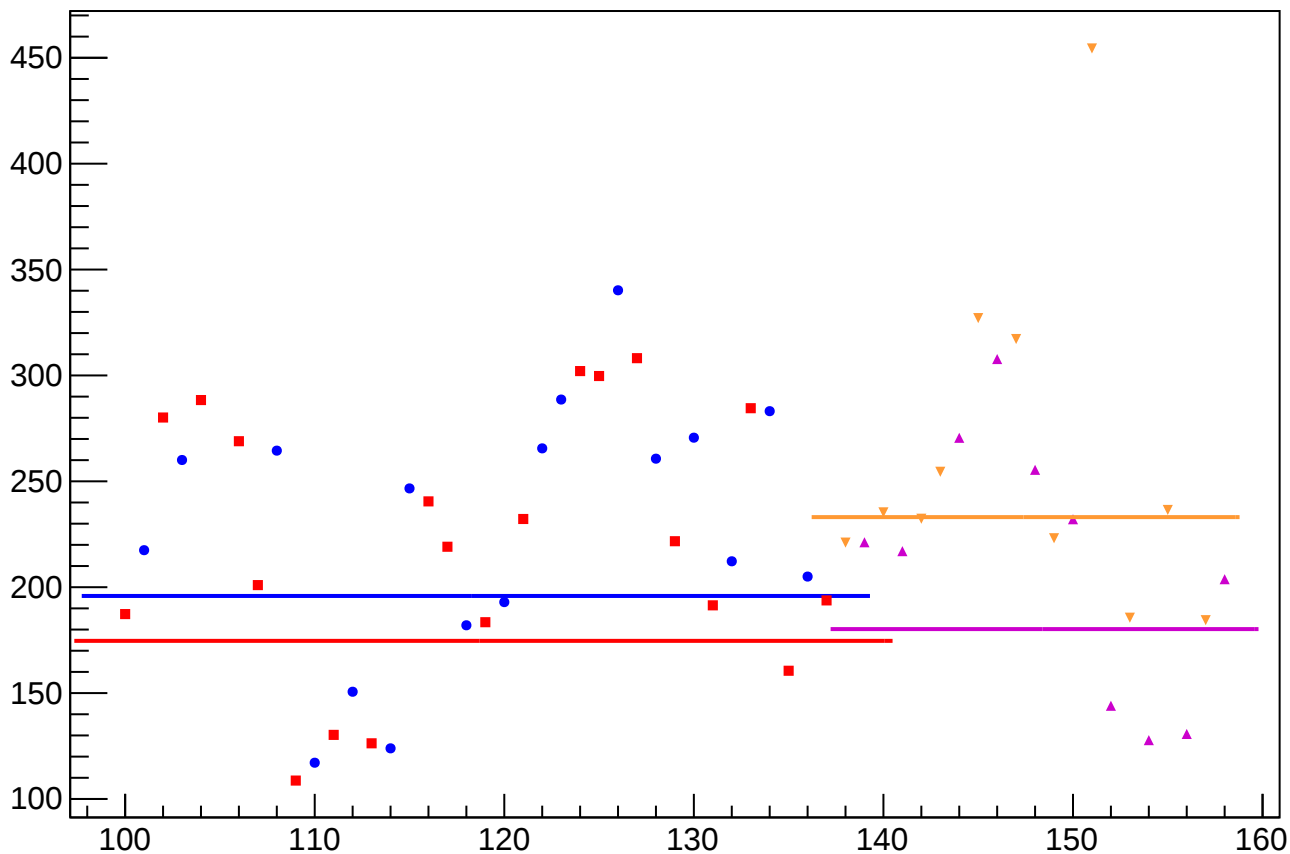
Left In: 77.732 $\pm$ 68.282 χ^2 /NDF: 5.0/9

79.765 $\pm$ 58.344 χ^2 /NDF: 10.3/27

57.890 $\pm$ 37.578 χ^2 /NDF: 23.4/57

42.382 $\pm$ 49.123 χ^2 /NDF: 12.9/29

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.869 $\pm$ 0.057 χ^2 /NDF: 979247.4/16

Left Out: 233.097 $\pm$ 0.060 χ^2 /NDF: 816971.8/10

Right Out: 174.665 $\pm$ 0.050 χ^2 /NDF: 1532335.9/19

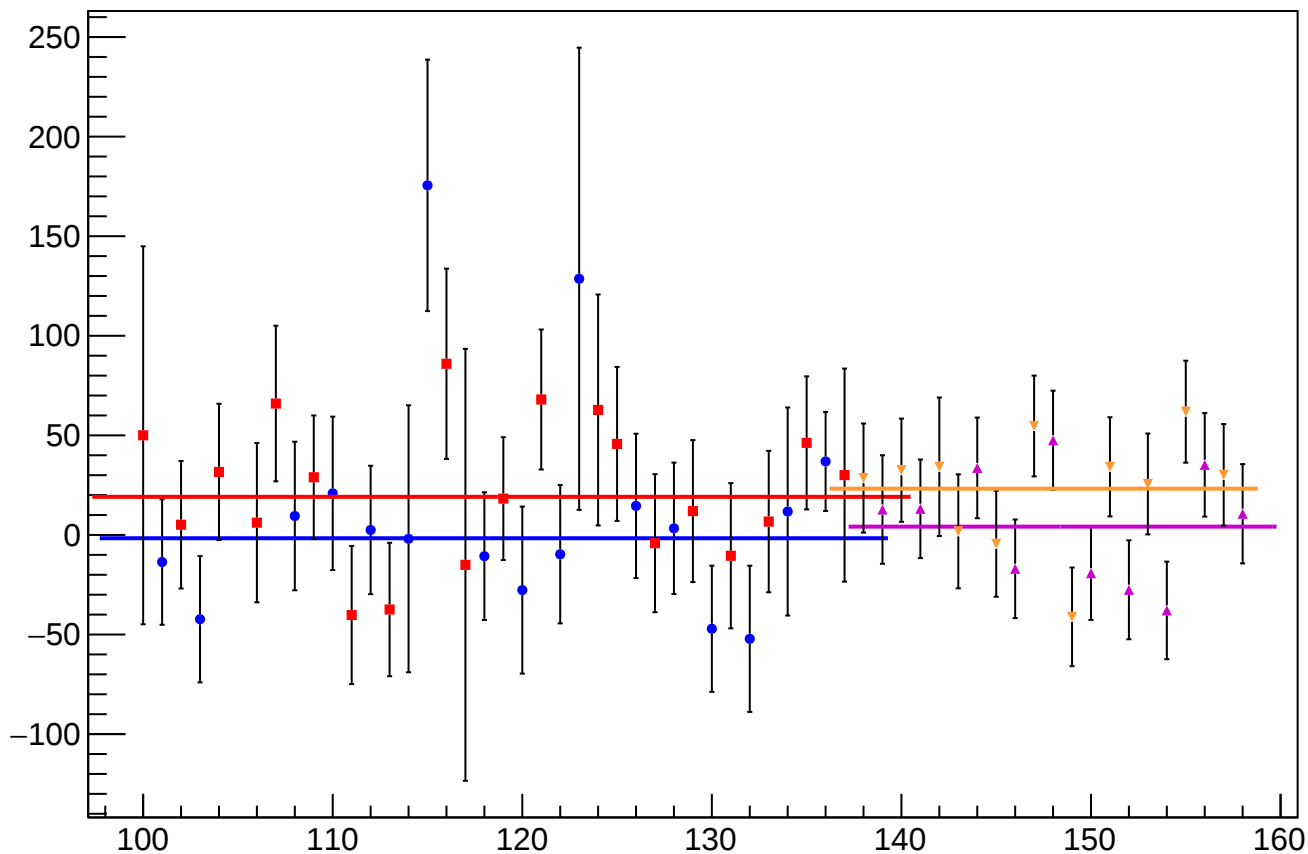
Left In: 180.221 $\pm$ 0.048 χ^2 /NDF: 1344178.8/9

213.469 $\pm$ 0.041 χ^2 /NDF: 1999195.1/27

192.445 $\pm$ 0.027 χ^2 /NDF: 5325915.9/57

177.541 $\pm$ 0.035 χ^2 /NDF: 2882901.8/29

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.654 ± 8.881 χ^2/NDF : 18.5/16

Left Out: 23.242 ± 7.980 χ^2/NDF : 12.8/10

Right Out: 19.145 ± 8.529 χ^2/NDF : 14.9/19

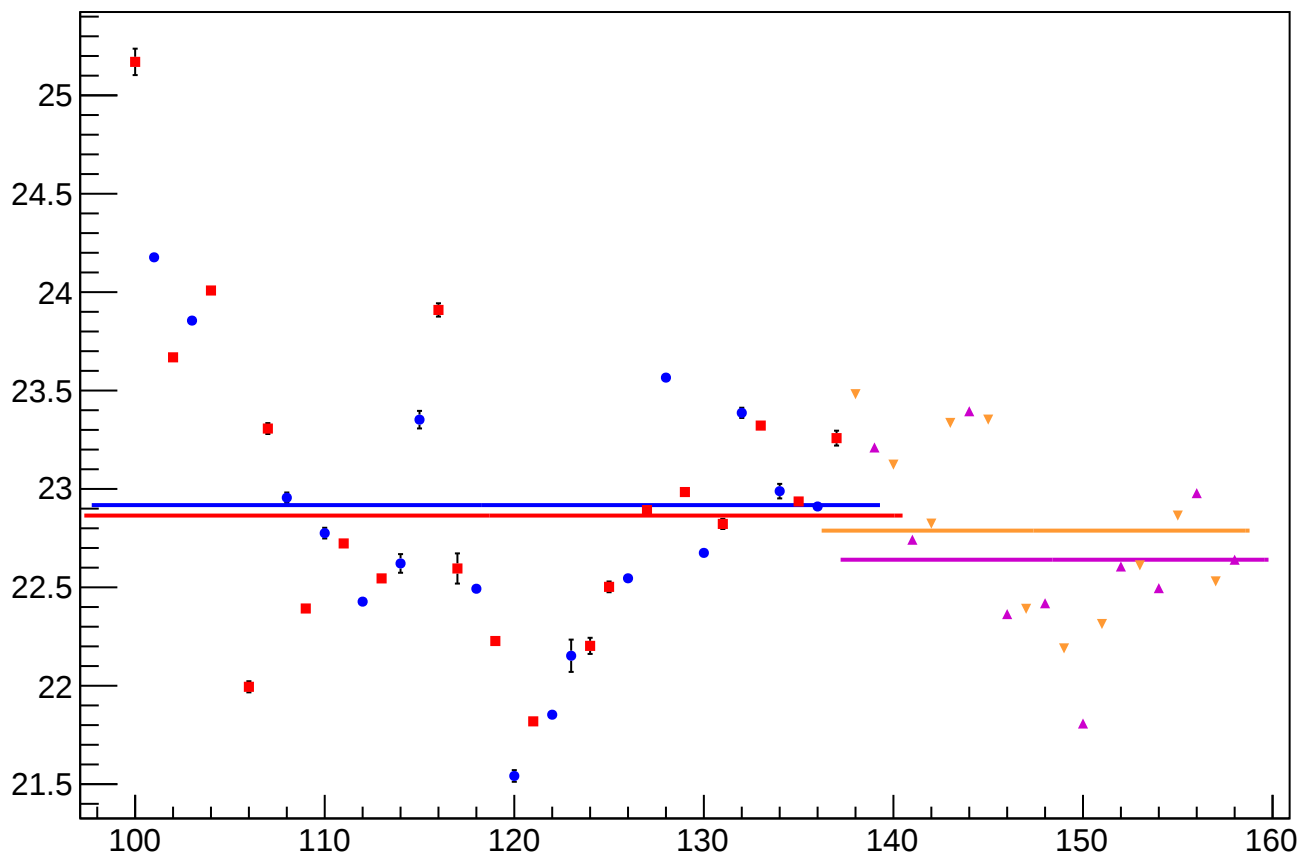
Left In: 4.174 ± 7.909 χ^2/NDF : 12.4/9

12.121 ± 5.936 χ^2/NDF : 35.6/27

11.596 ± 4.148 χ^2/NDF : 64.6/57

11.096 ± 5.799 χ^2/NDF : 28.9/29

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.918 $\pm$ 0.006 χ^2 /NDF: 11472.2/16

Left Out: 22.788 $\pm$ 0.006 χ^2 /NDF: 5952.9/10

Right Out: 22.865 $\pm$ 0.006 χ^2 /NDF: 11064.9/19

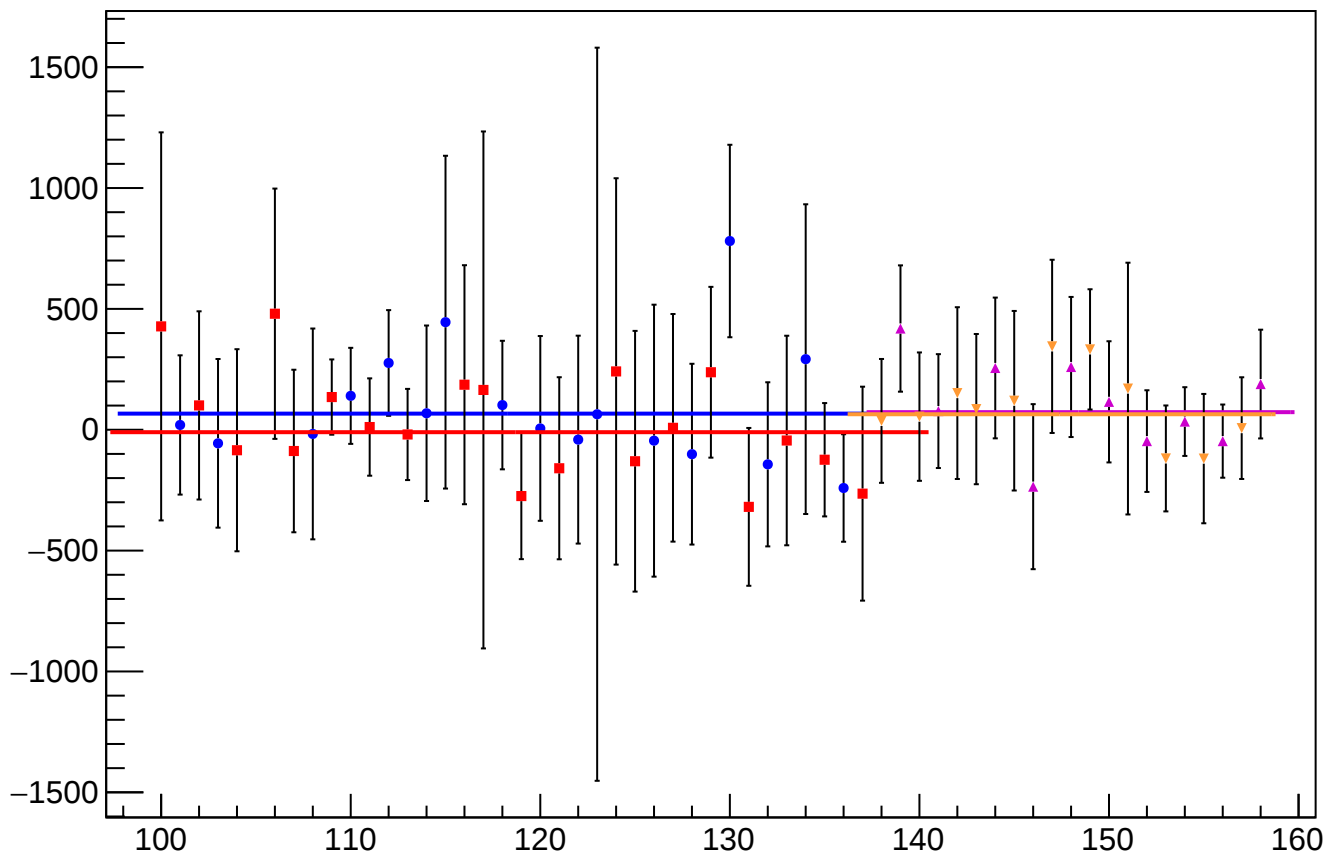
Left In: 22.640 $\pm$ 0.006 χ^2 /NDF: 6031.8/9

22.846 $\pm$ 0.004 χ^2 /NDF: 17660.8/27

22.794 $\pm$ 0.003 χ^2 /NDF: 35804.2/57

22.744 $\pm$ 0.004 χ^2 /NDF: 17840.8/29

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 66.701 $\pm$ 79.995 χ^2 /NDF: 7.5/16

Left Out: 64.155 $\pm$ 84.526 χ^2 /NDF: 3.2/10

Right Out: -10.113 $\pm$ 70.234 χ^2 /NDF: 5.7/19

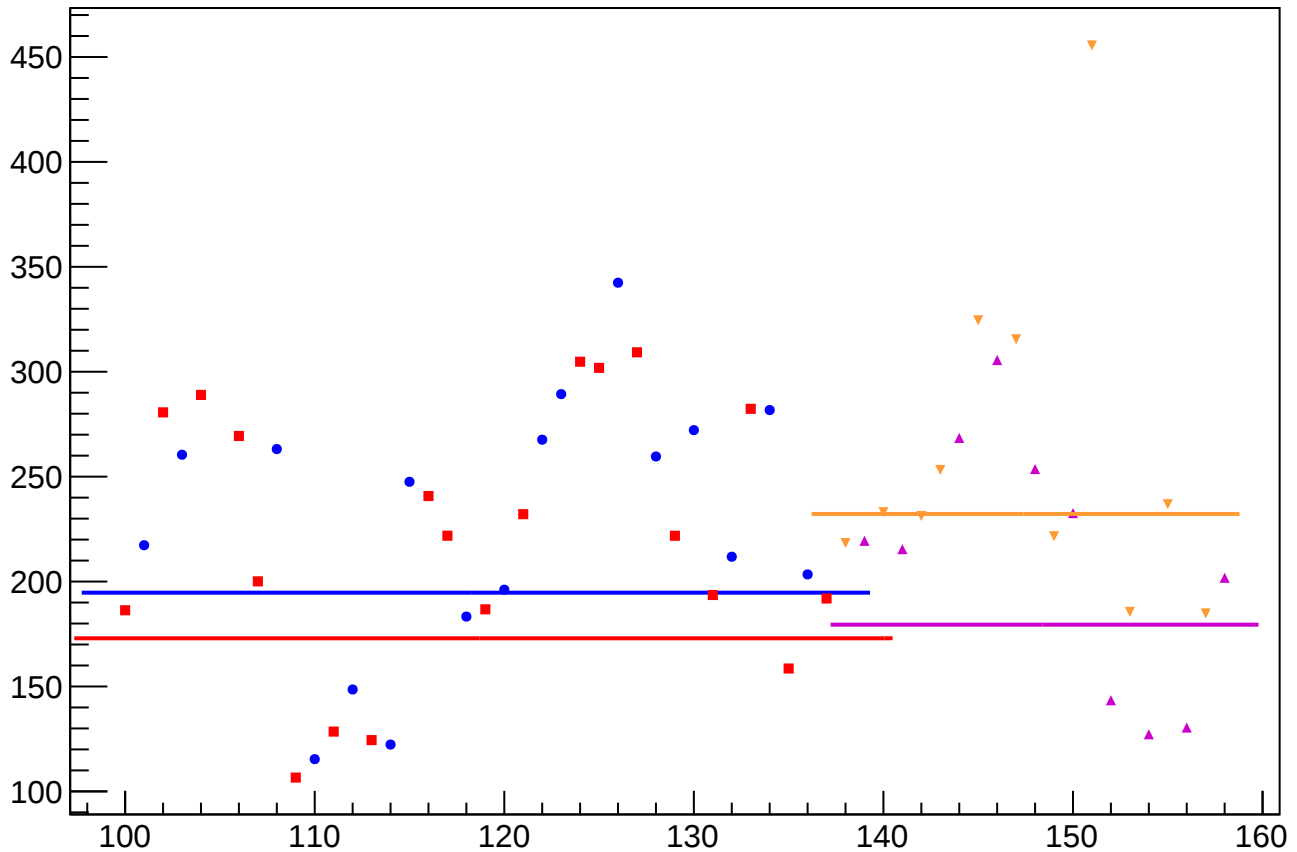
Left In: 72.764 $\pm$ 67.987 χ^2 /NDF: 4.7/9

65.498 $\pm$ 58.101 χ^2 /NDF: 10.7/27

46.267 $\pm$ 37.390 χ^2 /NDF: 22.0/57

32.673 $\pm$ 48.849 χ^2 /NDF: 11.1/29

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.703 $\pm$ 0.057 χ^2 /NDF: 1019872.4/16

Left Out: 232.221 $\pm$ 0.060 χ^2 /NDF:810587.6/10

Right Out: 172.965 $\pm$ 0.050 χ^2 /NDF: 1601142.0/19

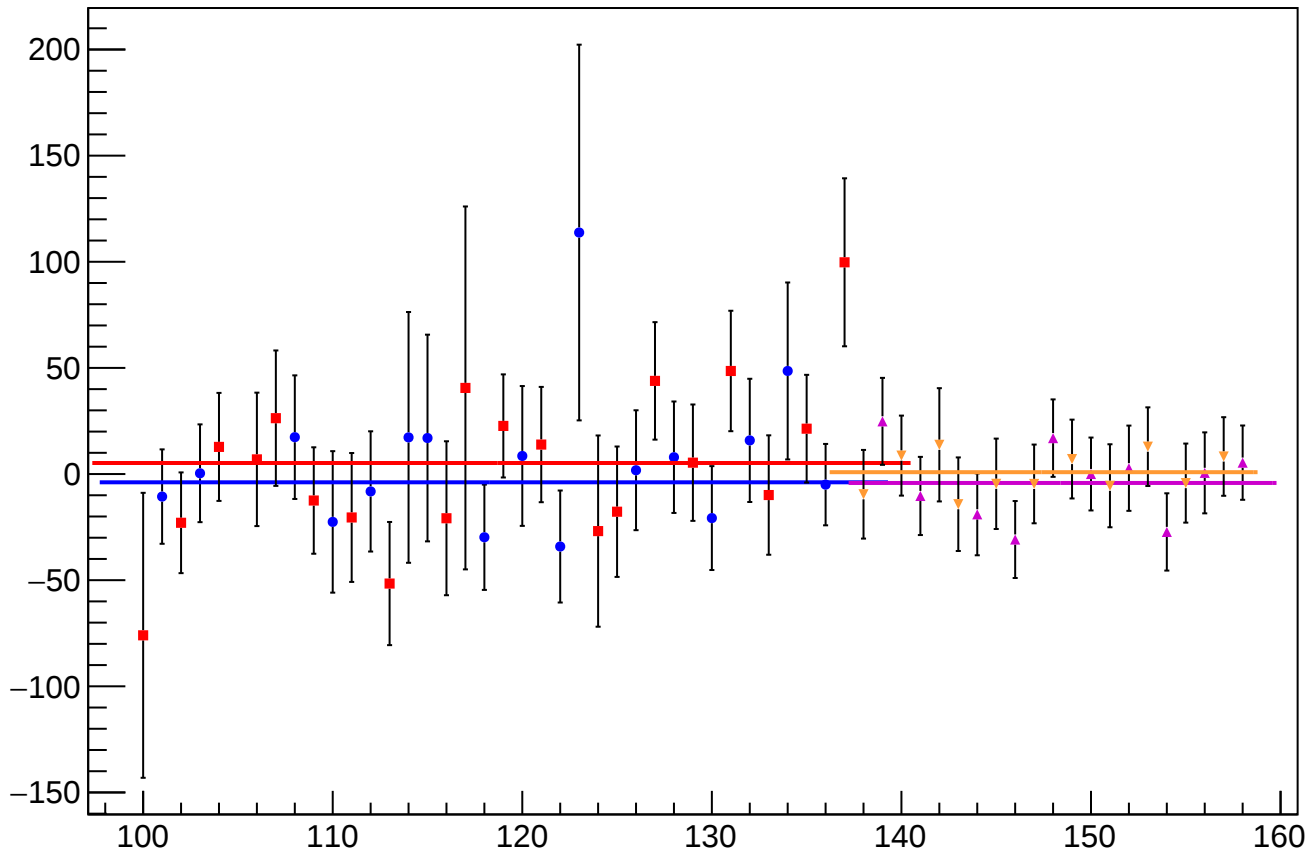
Left In: 179.451 $\pm$ 0.048 χ^2 /NDF:1332555.1/9

212.429 $\pm$ 0.041 χ^2 /NDF: 2038321.5/27

191.271 $\pm$ 0.026 χ^2 /NDF: 5433572.3/57

176.314 $\pm$ 0.035 χ^2 /NDF: 2942502.8/29

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.894 ± 6.915 χ^2/NDF : 8.4/16

Left Out: 0.876 ± 5.985 χ^2/NDF : 2.2/10

Right Out: 5.204 ± 6.706 χ^2/NDF : 21.5/19

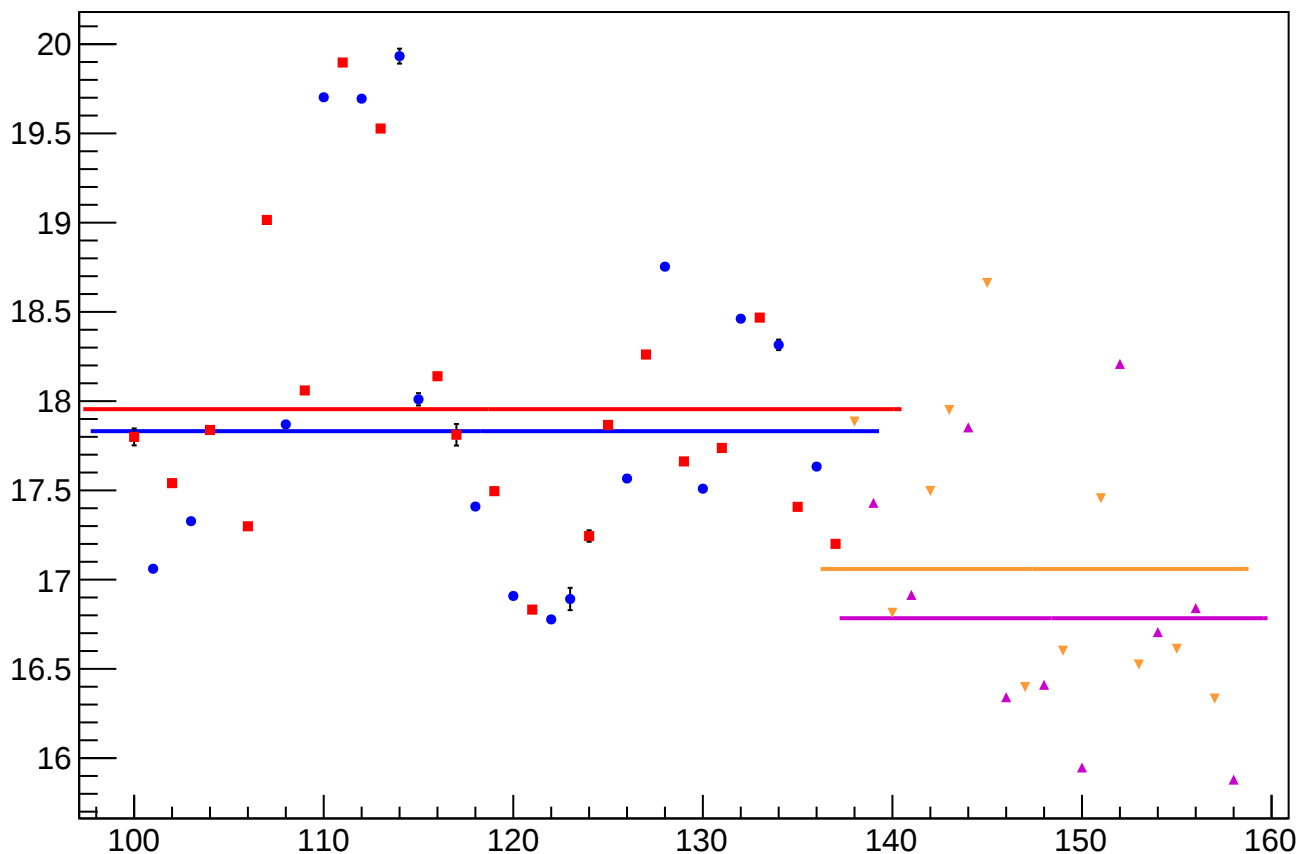
Left In: -4.199 ± 5.875 χ^2/NDF : 8.4/9

-1.167 ± 4.526 χ^2/NDF : 10.8/27

-0.629 ± 3.162 χ^2/NDF : 41.8/57

-0.116 ± 4.419 χ^2/NDF : 31.0/29

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.832 $\pm$ 0.005 χ^2 /NDF: 30863.4/16

Left Out: 17.060 $\pm$ 0.004 χ^2 /NDF: 29072.9/10

Right Out: 17.955 $\pm$ 0.005 χ^2 /NDF: 25454.6/19

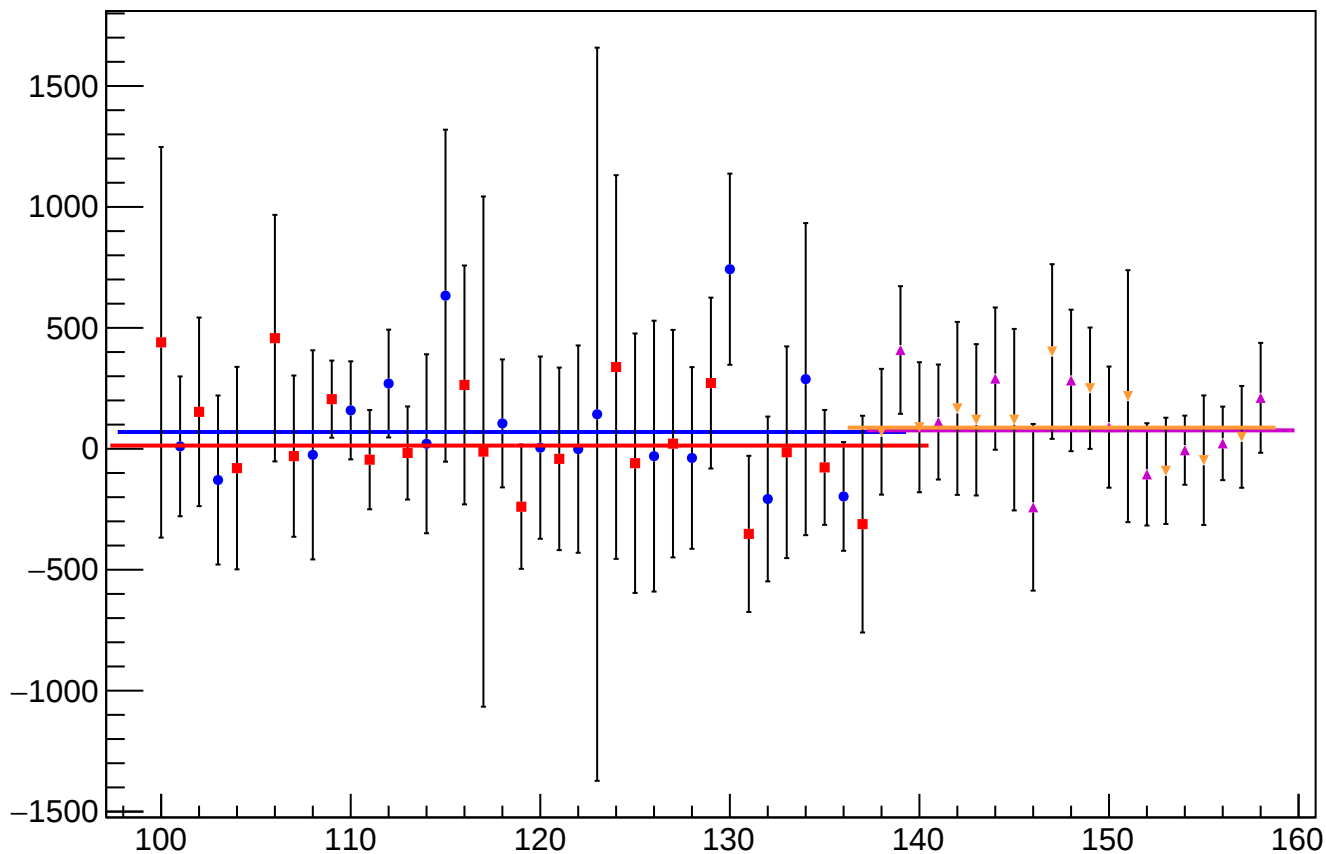
Left In: 16.784 $\pm$ 0.004 χ^2 /NDF: 30466.9/9

17.390 $\pm$ 0.003 χ^2 /NDF: 74187.7/27

17.340 $\pm$ 0.002 χ^2 /NDF: 165104.6/57

17.292 $\pm$ 0.003 χ^2 /NDF: 90437.4/29

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 69.511 $\pm$ 80.550 χ^2 /NDF: 7.4/16

Left Out: 87.514 $\pm$ 85.053 χ^2 /NDF: 2.3/10

Right Out: 13.298 $\pm$ 70.881 χ^2 /NDF: 6.7/19

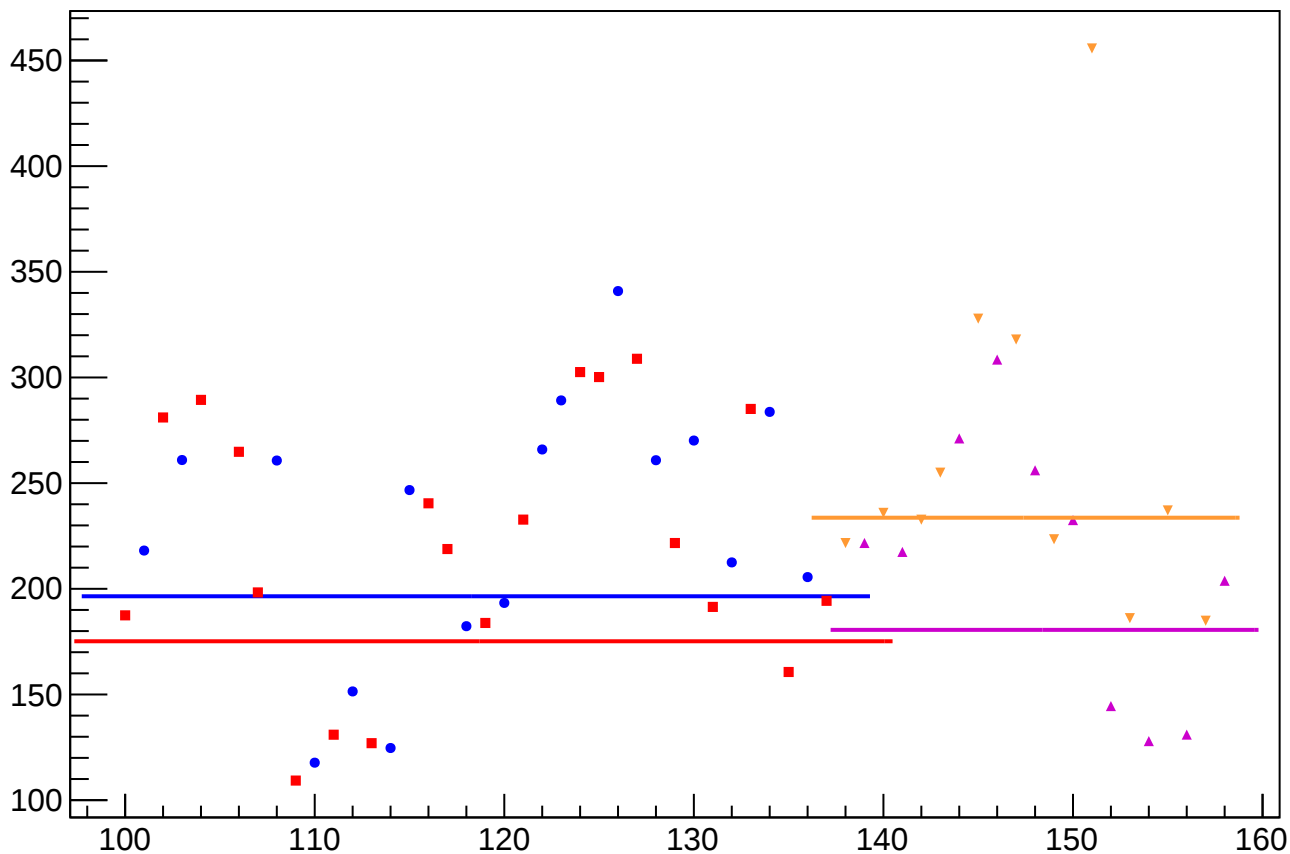
Left In: 76.193 $\pm$ 68.417 χ^2 /NDF: 5.0/9

78.023 $\pm$ 58.485 χ^2 /NDF: 9.7/27

59.196 $\pm$ 37.661 χ^2 /NDF: 22.0/57

45.858 $\pm$ 49.226 χ^2 /NDF: 12.2/29

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.470 $\pm$ 0.057 χ^2 /NDF: 964281.5/16

Left Out: 233.647 $\pm$ 0.060 χ^2 /NDF: 816730.7/10

Right Out: 175.179 $\pm$ 0.050 χ^2 /NDF: 1514541.6/19

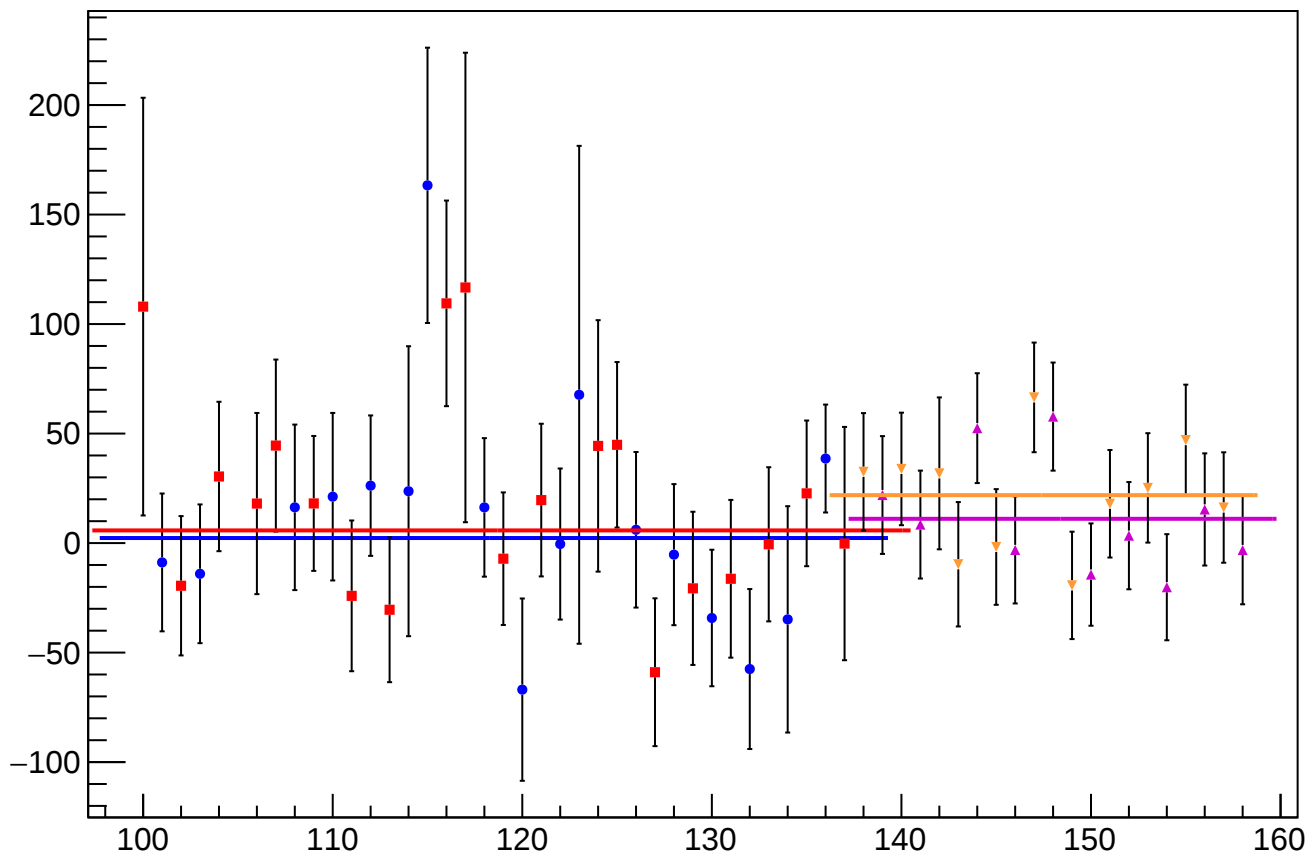
Left In: 180.573 $\pm$ 0.048 χ^2 /NDF: 1344232.6/9

214.049 $\pm$ 0.041 χ^2 /NDF: 1982452.6/27

192.932 $\pm$ 0.027 χ^2 /NDF: 5292688.2/57

177.971 $\pm$ 0.035 χ^2 /NDF: 2864769.9/29

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.307 ± 8.805 $\chi^2/\text{NDF}: 18.1/16$

Left Out: 21.881 ± 7.889 $\chi^2/\text{NDF}: 9.6/10$

Right Out: 5.783 ± 8.453 $\chi^2/\text{NDF}: 18.2/19$

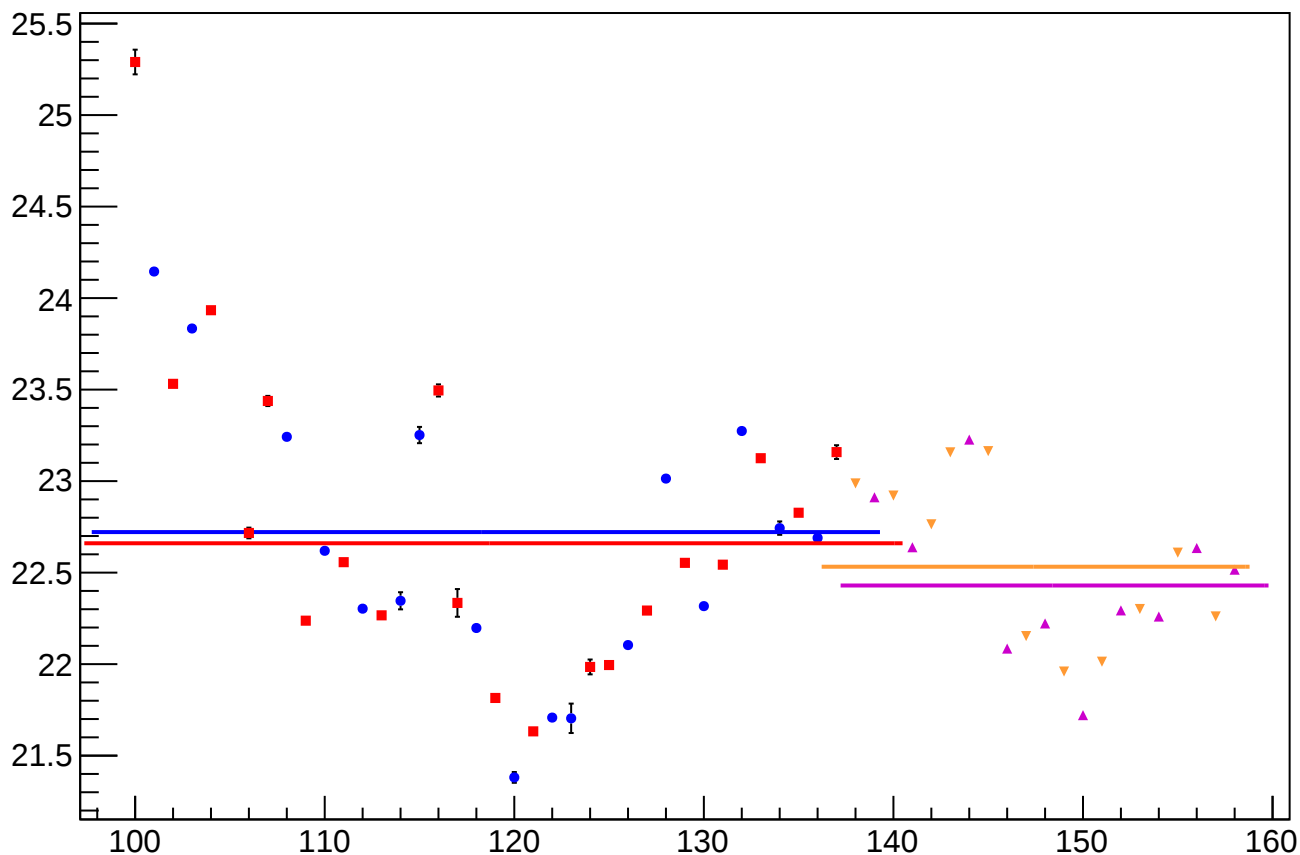
Left In: 11.081 ± 7.834 $\chi^2/\text{NDF}: 10.1/9$

13.165 ± 5.876 $\chi^2/\text{NDF}: 30.4/27$

10.848 ± 4.108 $\chi^2/\text{NDF}: 59.3/57$

8.633 ± 5.746 $\chi^2/\text{NDF}: 28.5/29$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



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

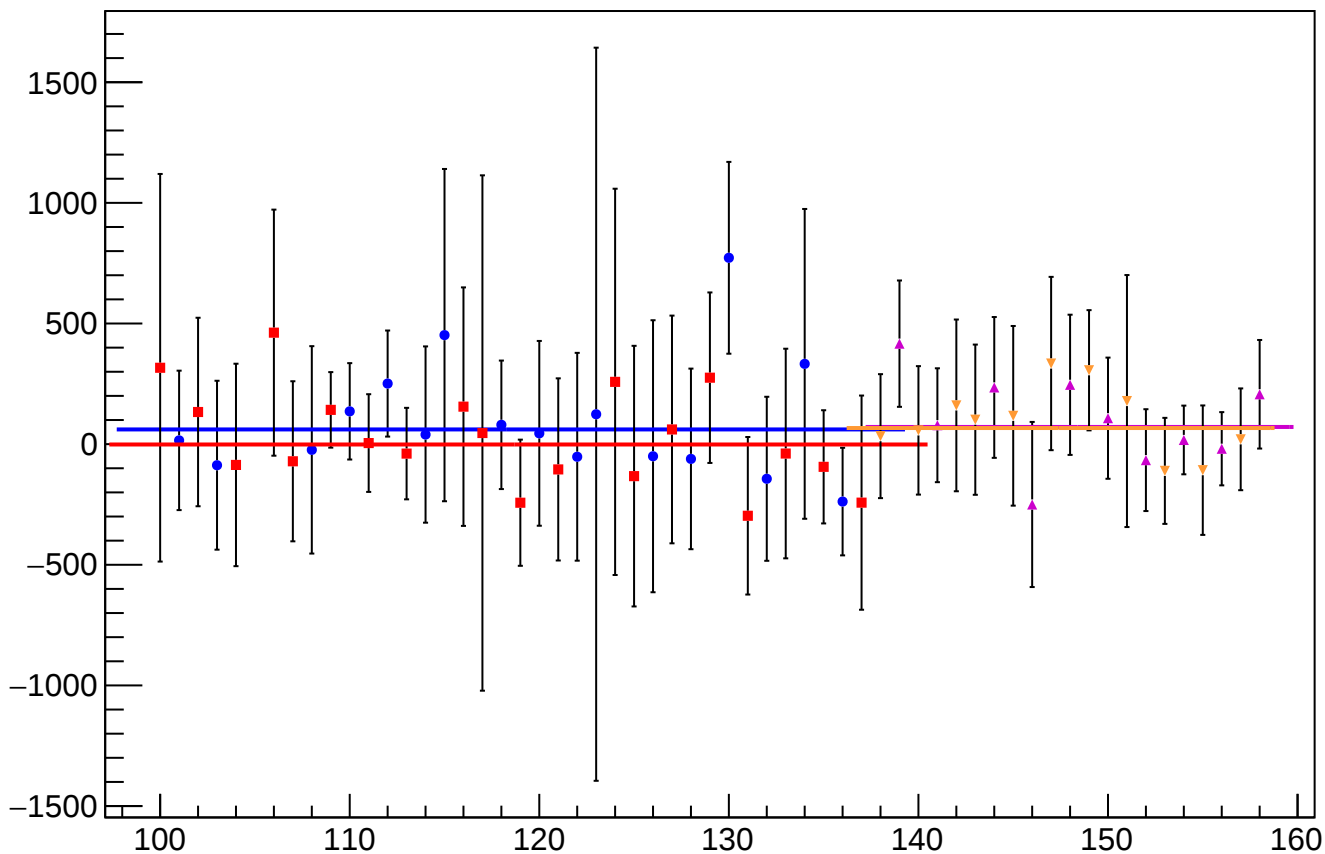
Left In: 22.430 $\pm$ 0.006 χ^2/NDF : 5497.7/9

22.617 $\pm$ 0.004 χ^2/NDF : 20194.5/27

22.576 $\pm$ 0.003 χ^2/NDF : 39658.6/57

22.536 $\pm$ 0.004 χ^2/NDF : 19273.4/29

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 60.960 $\pm$ 80.197 χ^2 /NDF: 7.2/16

Left Out: 66.787 $\pm$ 84.724 χ^2 /NDF: 2.8/10

Right Out: -1.439 $\pm$ 70.395 χ^2 /NDF: 5.2/19

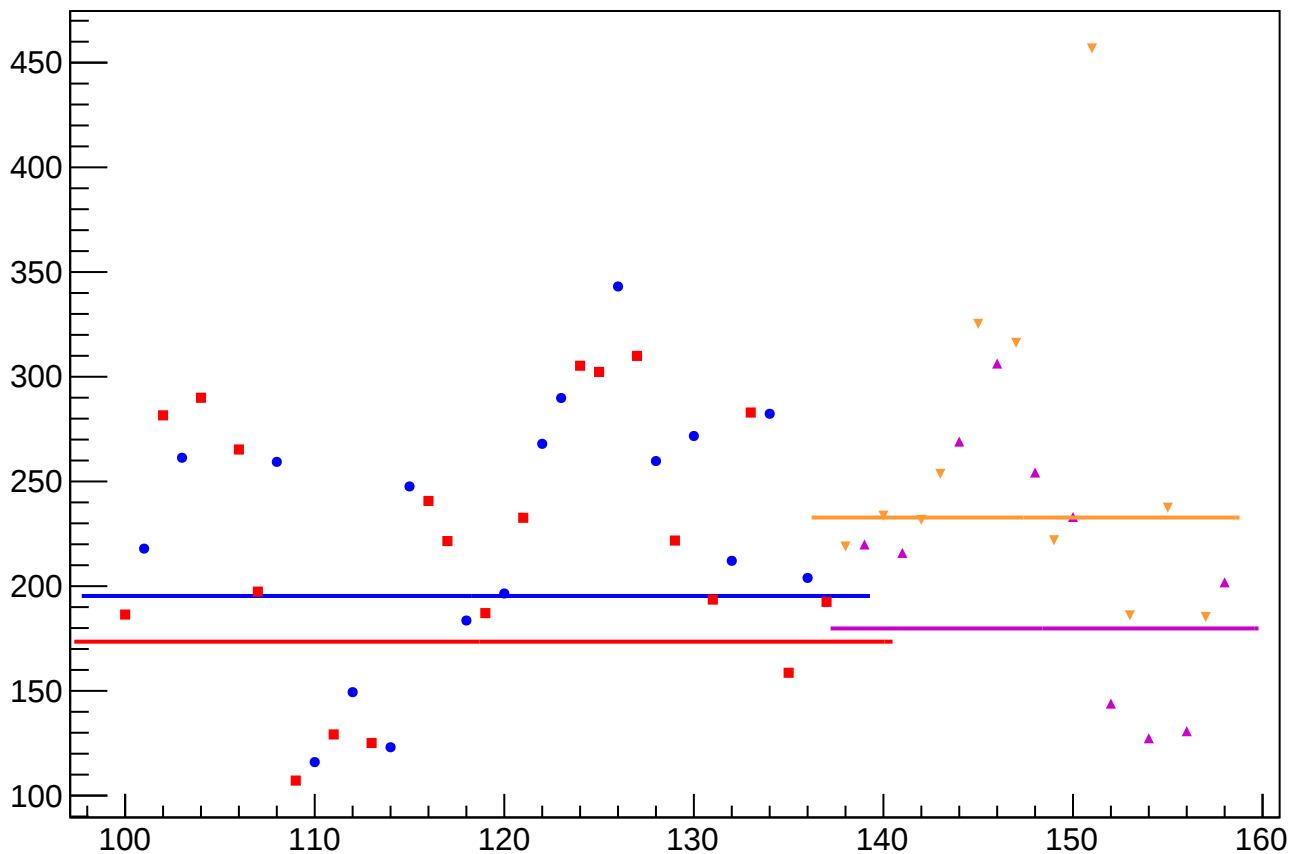
Left In: 71.213 $\pm$ 68.121 χ^2 /NDF: 4.6/9

63.714 $\pm$ 58.242 χ^2 /NDF: 10.0/27

47.520 $\pm$ 37.474 χ^2 /NDF: 20.5/57

36.079 $\pm$ 48.953 χ^2 /NDF: 10.3/29

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.316+/-0.057 χ^2/NDF : 1004211.5/16

Left Out: 232.768+/-0.060 χ^2/NDF : 810433.9/10

Right Out: 173.495+/-0.050 χ^2/NDF : 1582449.6/19

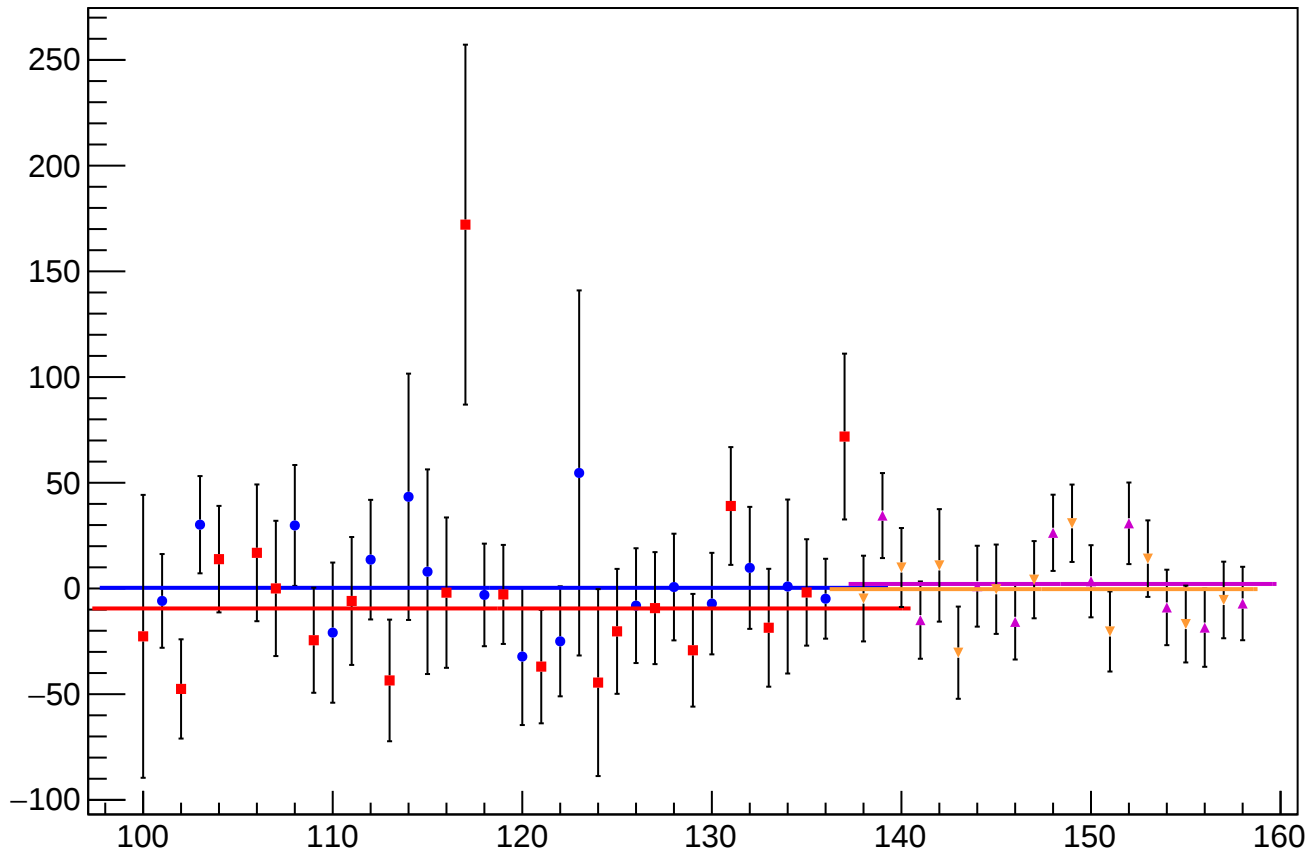
Left In: 179.803+/-0.048 χ^2/NDF : 1332701.6/9

213.014+/-0.041 χ^2/NDF : 2020773.0/27

191.764+/-0.026 χ^2/NDF : 5398537.9/57

176.752+/-0.035 χ^2/NDF : 2923444.3/29

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



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

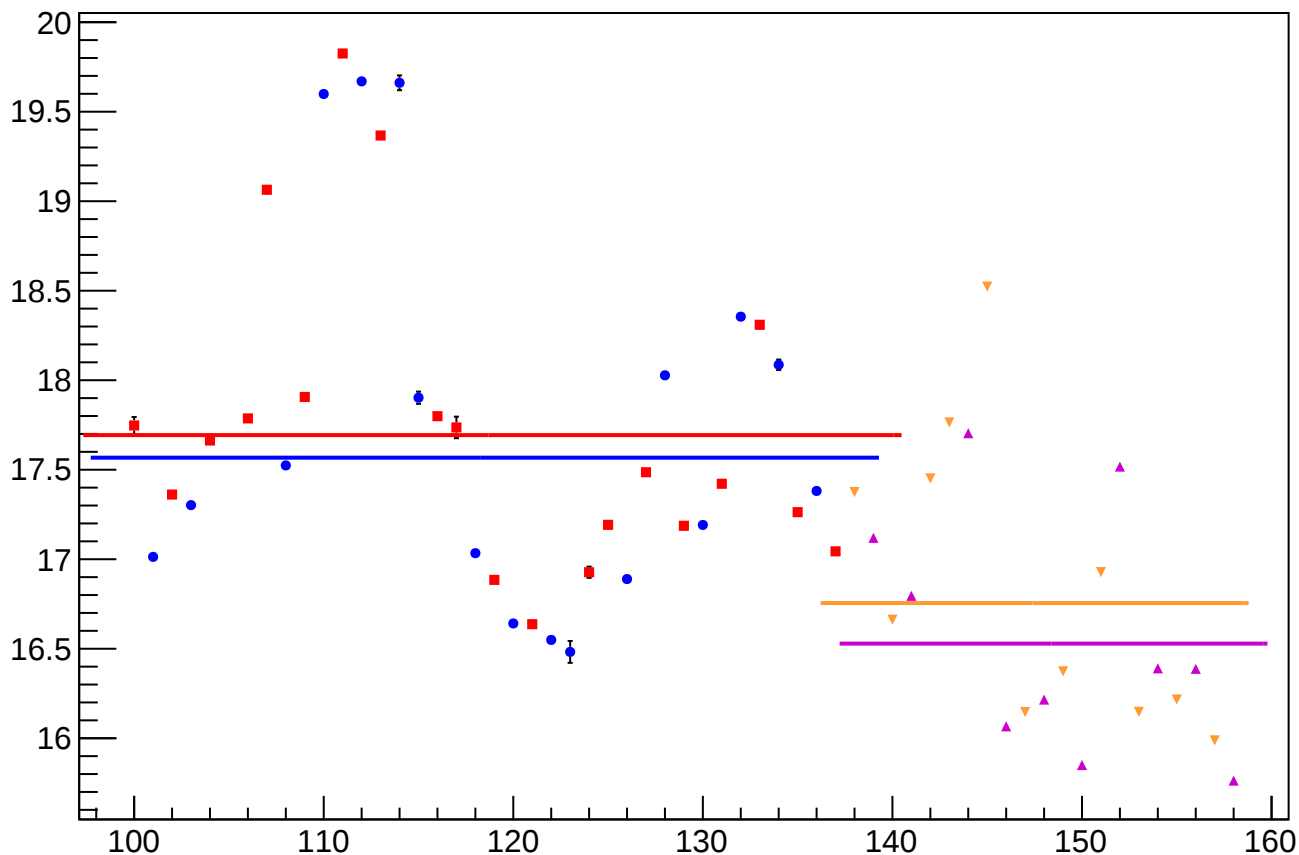
Left In: 2.136 ± 5.783 χ^2/NDF : 10.4/9

-0.046 ± 4.450 χ^2/NDF : 14.8/27

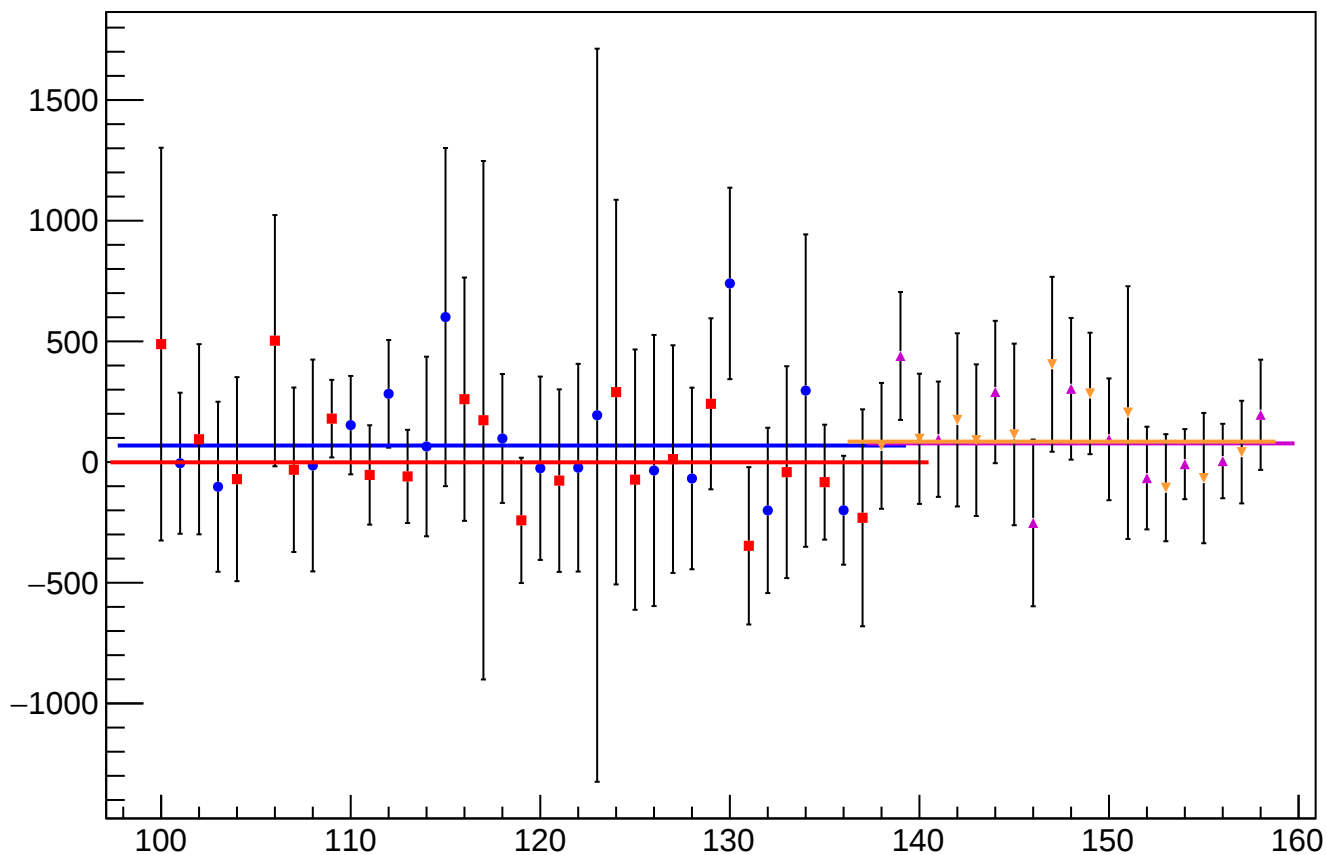
-1.500 ± 3.111 χ^2/NDF : 47.8/57

-2.890 ± 4.352 χ^2/NDF : 32.8/29

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 68.553 $\pm$ 81.018 χ^2 /NDF: 7.3/16

Left Out: 84.646 $\pm$ 85.542 χ^2 /NDF: 2.6/10

Right Out: -1.057 $\pm$ 71.380 χ^2 /NDF: 6.1/19

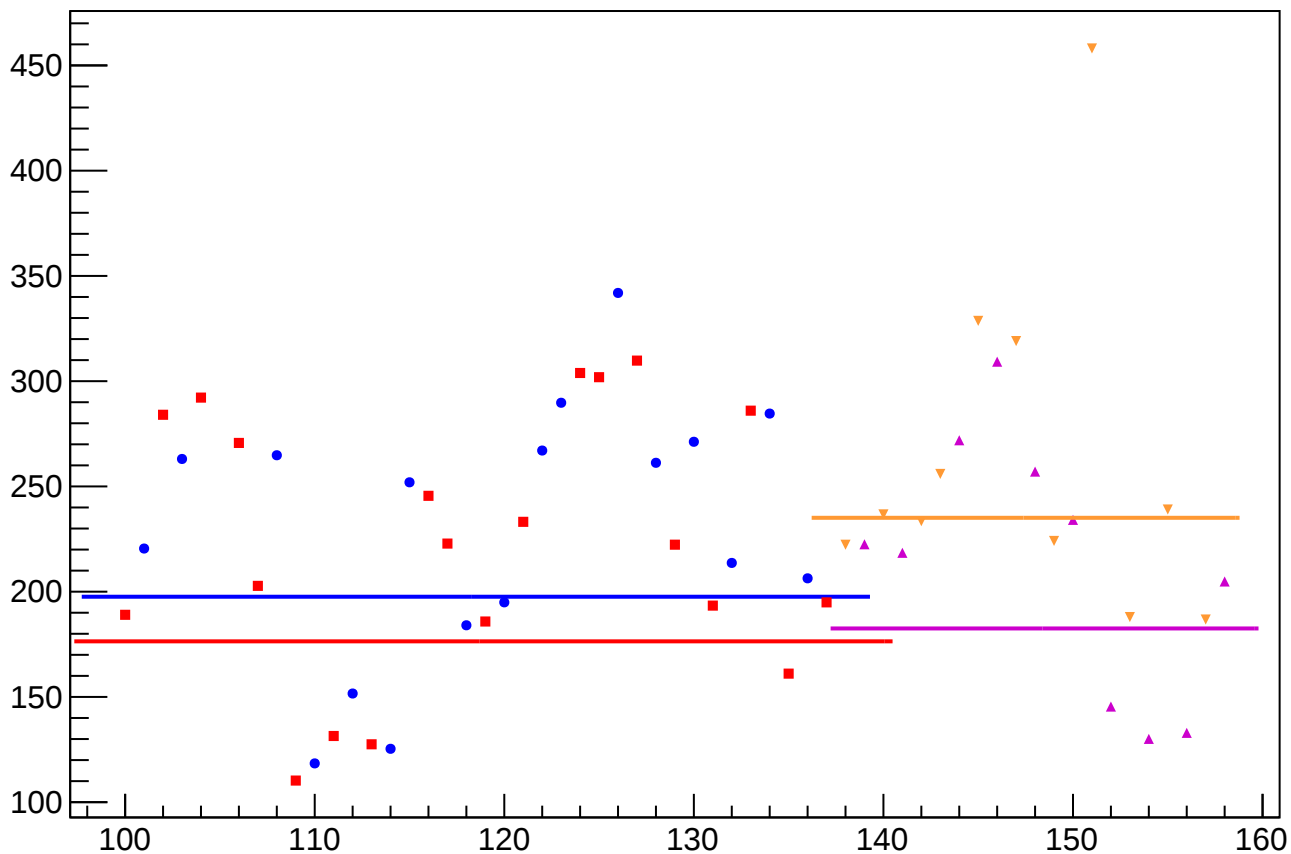
Left In: 77.303 $\pm$ 69.050 χ^2 /NDF: 5.2/9

76.163 $\pm$ 58.823 χ^2 /NDF: 10.0/27

54.700 $\pm$ 37.932 χ^2 /NDF: 22.2/57

39.423 $\pm$ 49.629 χ^2 /NDF: 12.0/29

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.603 +/- 0.057 χ^2/NDF : 968827.8/16

Left Out: 235.098 +/- 0.060 χ^2/NDF : 805462.4/10

Right Out: 176.407 +/- 0.050 χ^2/NDF : 1523589.5/19

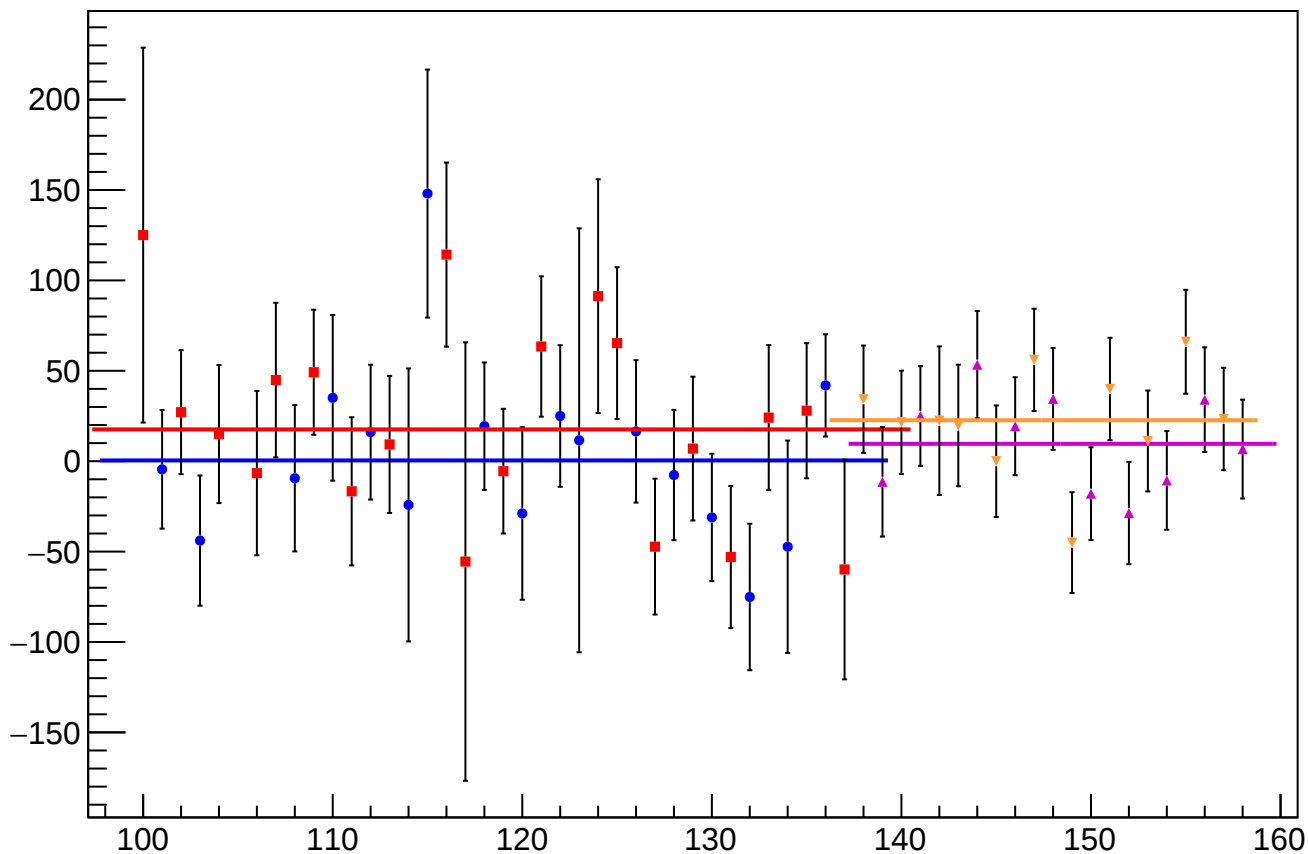
Left In: 182.530 +/- 0.049 χ^2/NDF : 1304189.9/9

215.333 +/- 0.042 χ^2/NDF : 1976838.6/27

194.441 +/- 0.027 χ^2/NDF : 5244083.8/57

179.570 +/- 0.035 χ^2/NDF : 2835380.0/29

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.427 ± 9.884 $\chi^2/\text{NDF}: 15.5/16$

Left Out: 22.675 ± 8.975 $\chi^2/\text{NDF}: 10.8/10$

Right Out: 17.595 ± 9.470 $\chi^2/\text{NDF}: 19.8/19$

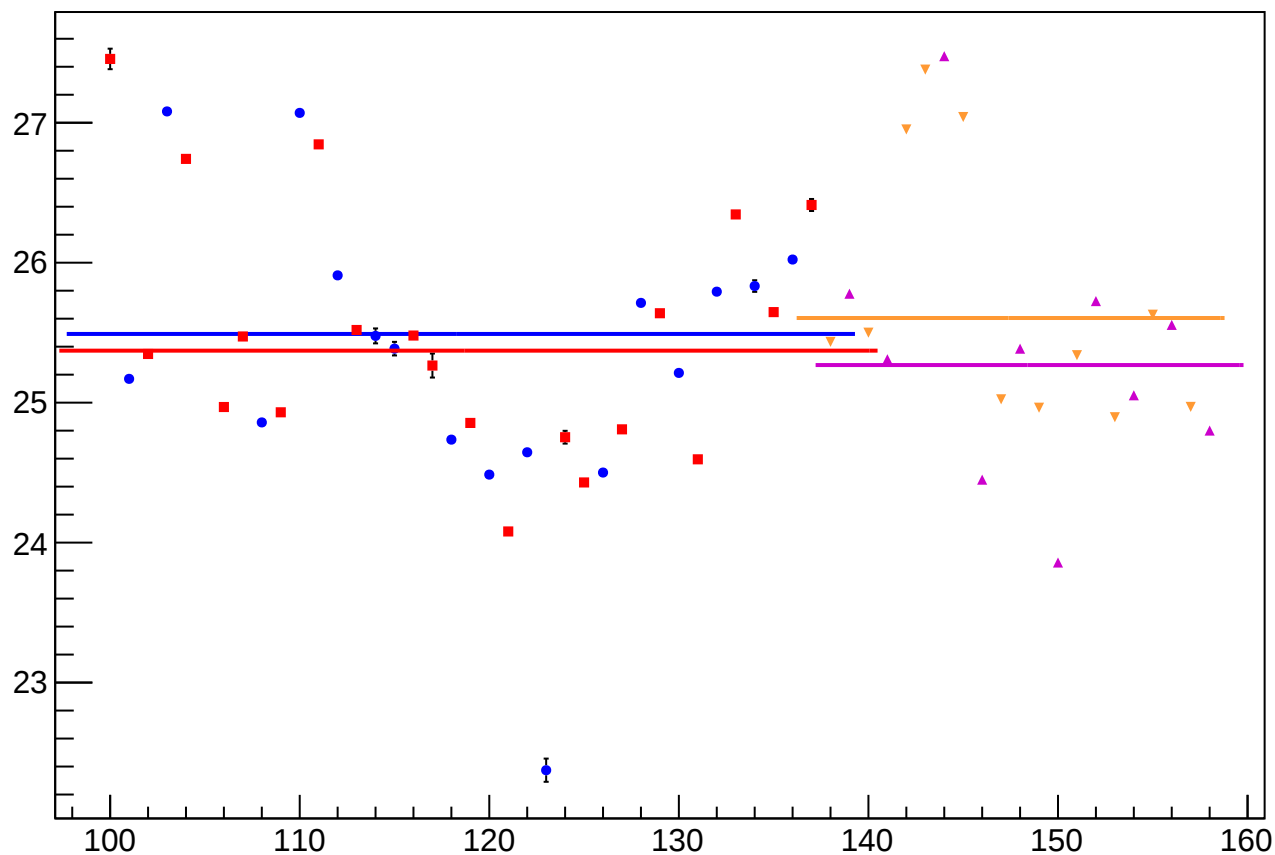
Left In: 9.609 ± 8.838 $\chi^2/\text{NDF}: 8.1/9$

12.621 ± 6.645 $\chi^2/\text{NDF}: 29.0/27$

12.984 ± 4.632 $\chi^2/\text{NDF}: 57.4/57$

13.327 ± 6.461 $\chi^2/\text{NDF}: 28.3/29$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



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

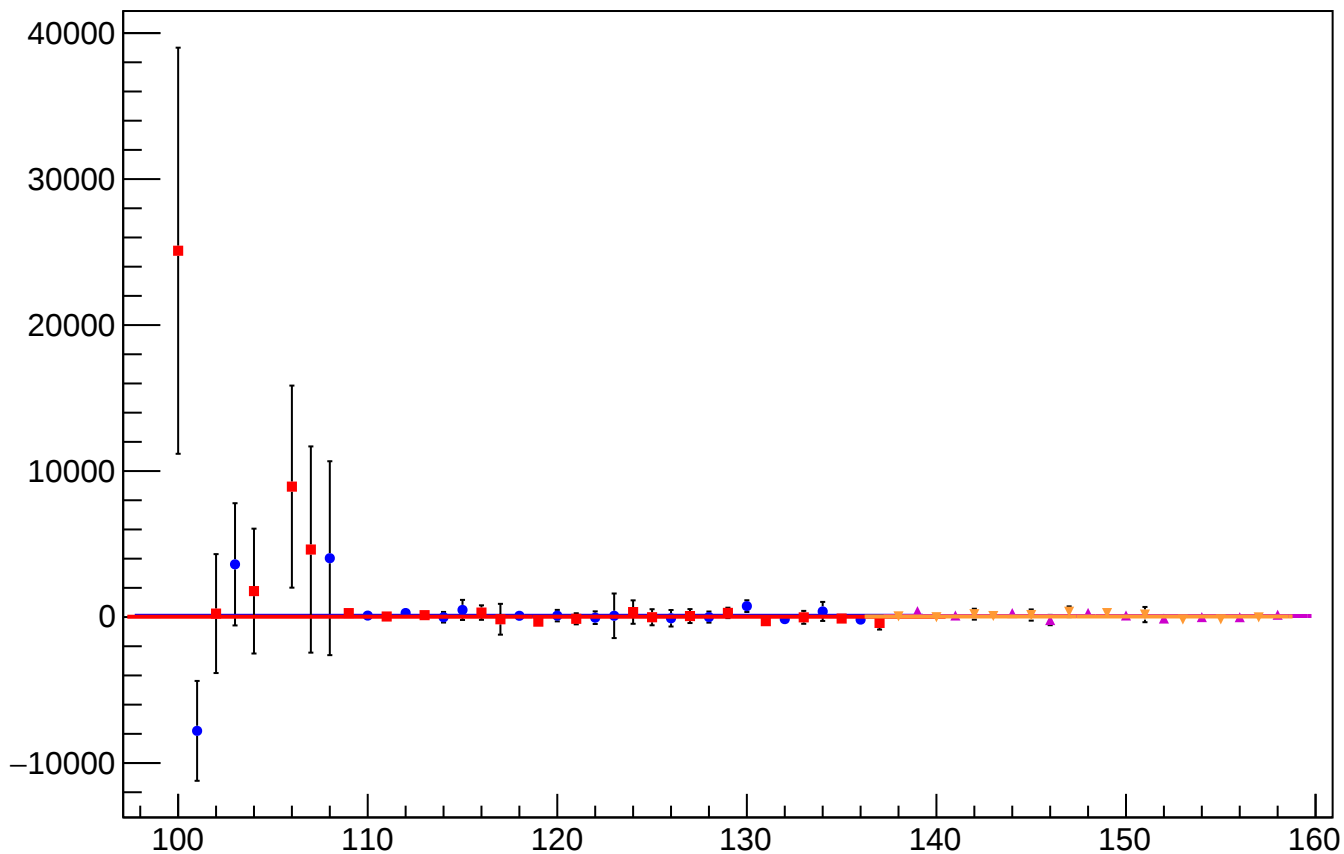
Left In: 25.269+/-0.006 χ^2/NDF : 20950.5/9

25.553+/-0.005 χ^2/NDF : 30392.4/27

25.432+/-0.003 χ^2/NDF : 66326.3/57

25.317+/-0.005 χ^2/NDF : 34628.7/29

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 86.558 $\pm$ 88.423 χ^2 /NDF: 12.5/16

Left Out: 38.191 $\pm$ 87.349 χ^2 /NDF: 3.4/10

Right Out: 22.332 $\pm$ 80.711 χ^2 /NDF: 11.9/19

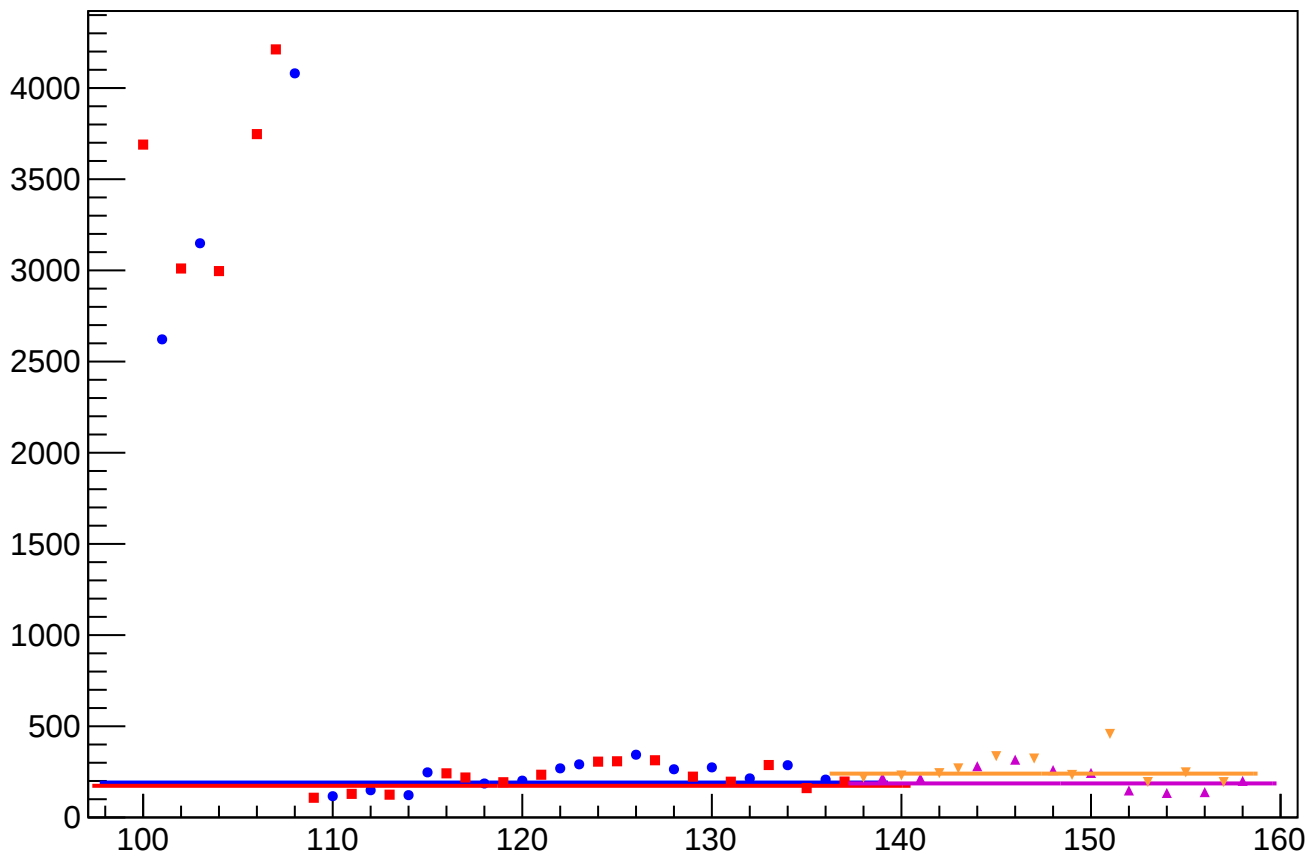
Left In: 72.293 $\pm$ 70.366 χ^2 /NDF: 4.5/9

62.079 $\pm$ 62.141 χ^2 /NDF: 16.0/27

55.506 $\pm$ 40.342 χ^2 /NDF: 32.7/57

50.718 $\pm$ 53.039 χ^2 /NDF: 16.7/29

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.478 ± 0.063 χ^2/NDF : 3573154.3/16

Left Out: 240.355 ± 0.062 χ^2/NDF : 778807.0/10

Right Out: 173.565 ± 0.057 χ^2/NDF : 4211161.0/19

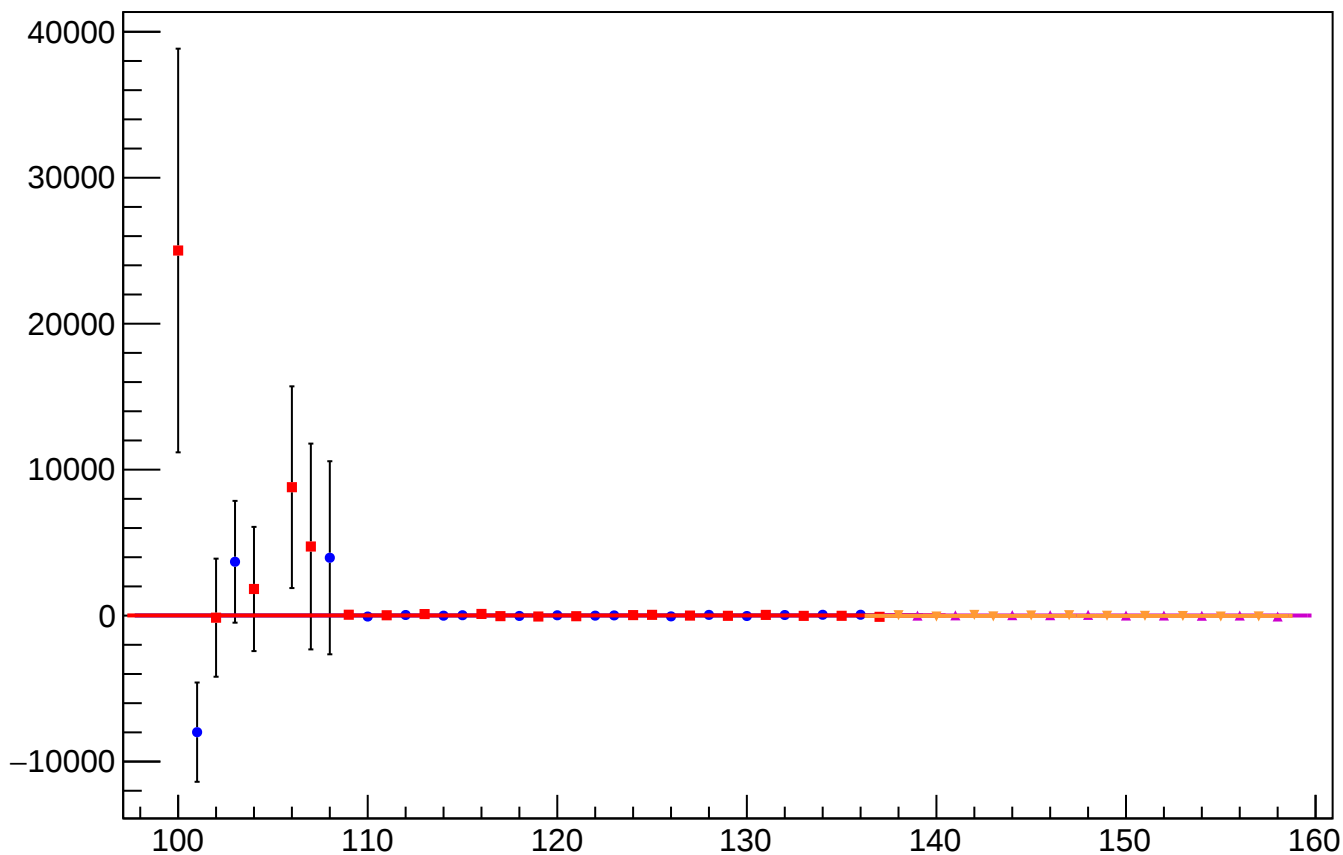
Left In: 186.599 ± 0.050 χ^2/NDF : 1227484.9/9

216.216 ± 0.044 χ^2/NDF : 4661248.0/27

195.825 ± 0.029 χ^2/NDF : 10501742.9/57

180.971 ± 0.038 χ^2/NDF : 5468280.8/29

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 10.286 $\pm$ 12.282 χ^2 /NDF: 18.4/16

Left Out: -18.665 $\pm$ 10.554 χ^2 /NDF:11.9/10

Right Out: 12.296 $\pm$ 12.186 χ^2 /NDF: 24.9/19

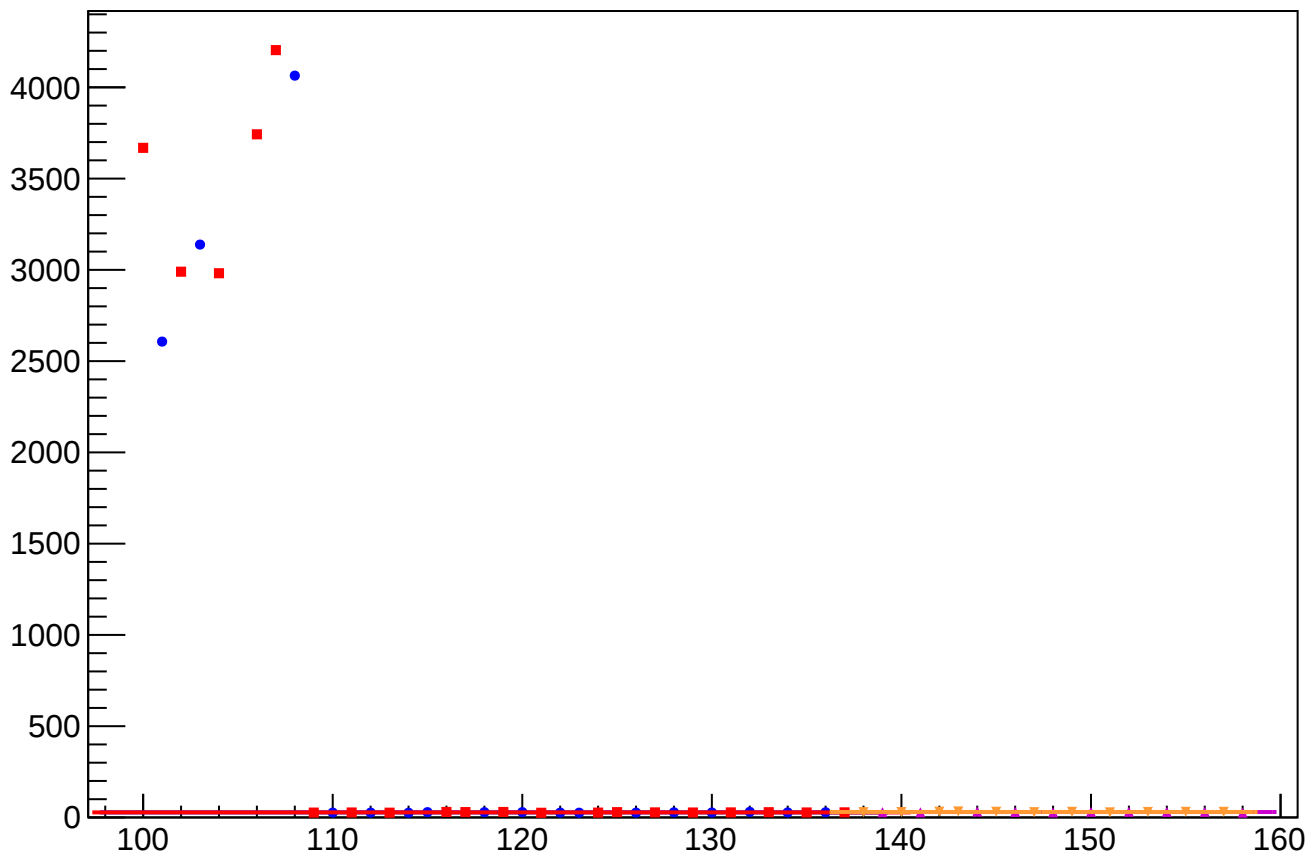
Left In: 6.679 $\pm$ 10.412 χ^2 /NDF:8.5/9

-6.369 $\pm$ 8.004 χ^2 /NDF: 33.4/27

1.426 $\pm$ 5.629 χ^2 /NDF: 68.9/57

9.049 $\pm$ 7.916 χ^2 /NDF: 33.5/29

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.855+/-0.009 χ^2 /NDF: 3027666.8/16

Left Out: 30.065+/-0.007 χ^2 /NDF:31308.5/10

Right Out: 27.707+/-0.009 χ^2 /NDF: 3477132.0/19

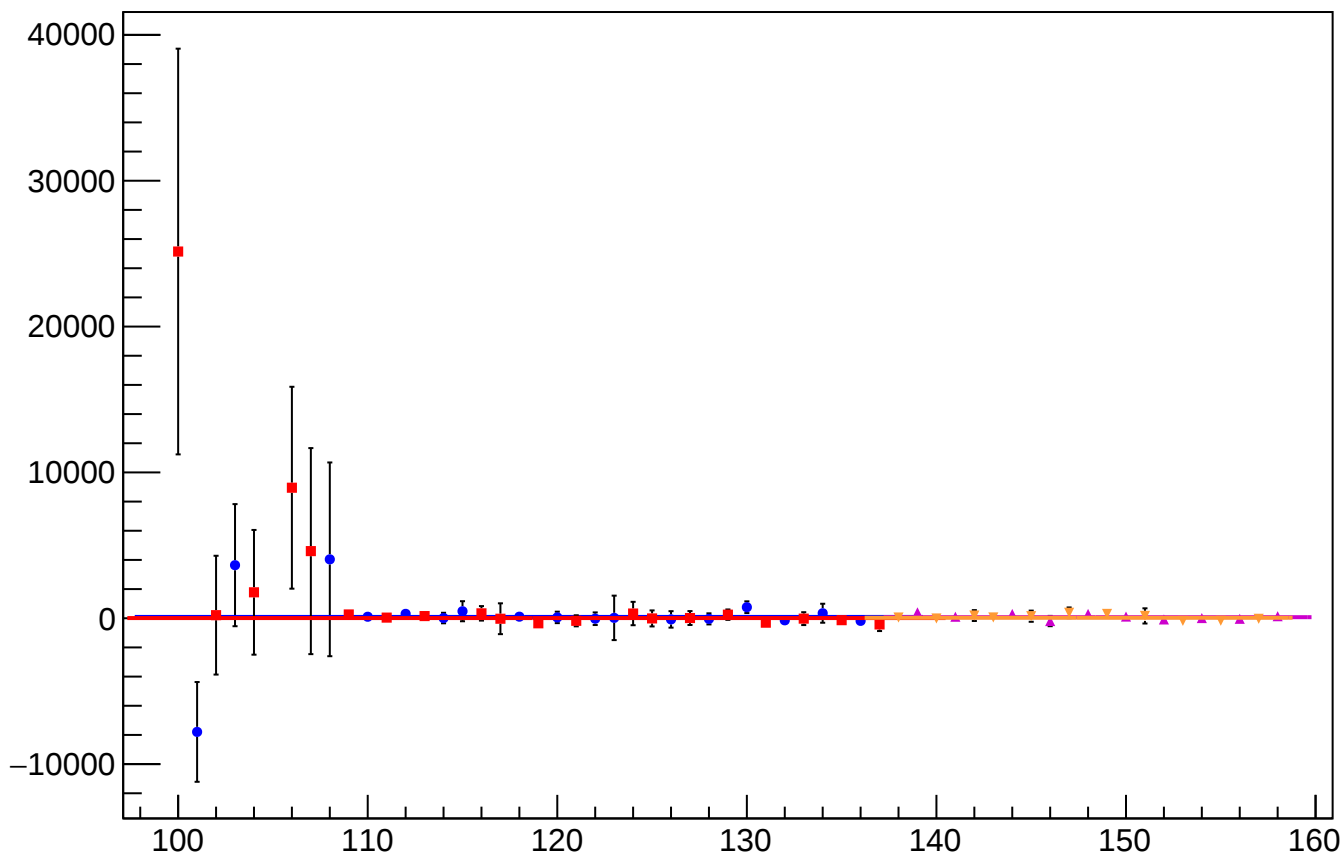
Left In: 29.691+/-0.007 χ^2 /NDF:56830.0/9

29.126+/-0.006 χ^2 /NDF: 3096237.6/27

28.989+/-0.004 χ^2 /NDF: 6661998.2/57

28.854+/-0.006 χ^2 /NDF: 3564589.1/29

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 90.773 $\pm$ 88.149 χ^2 /NDF: 12.8/16

Left Out: 35.437 $\pm$ 87.150 χ^2 /NDF: 3.8/10

Right Out: 13.075 $\pm$ 80.452 χ^2 /NDF: 12.7/19

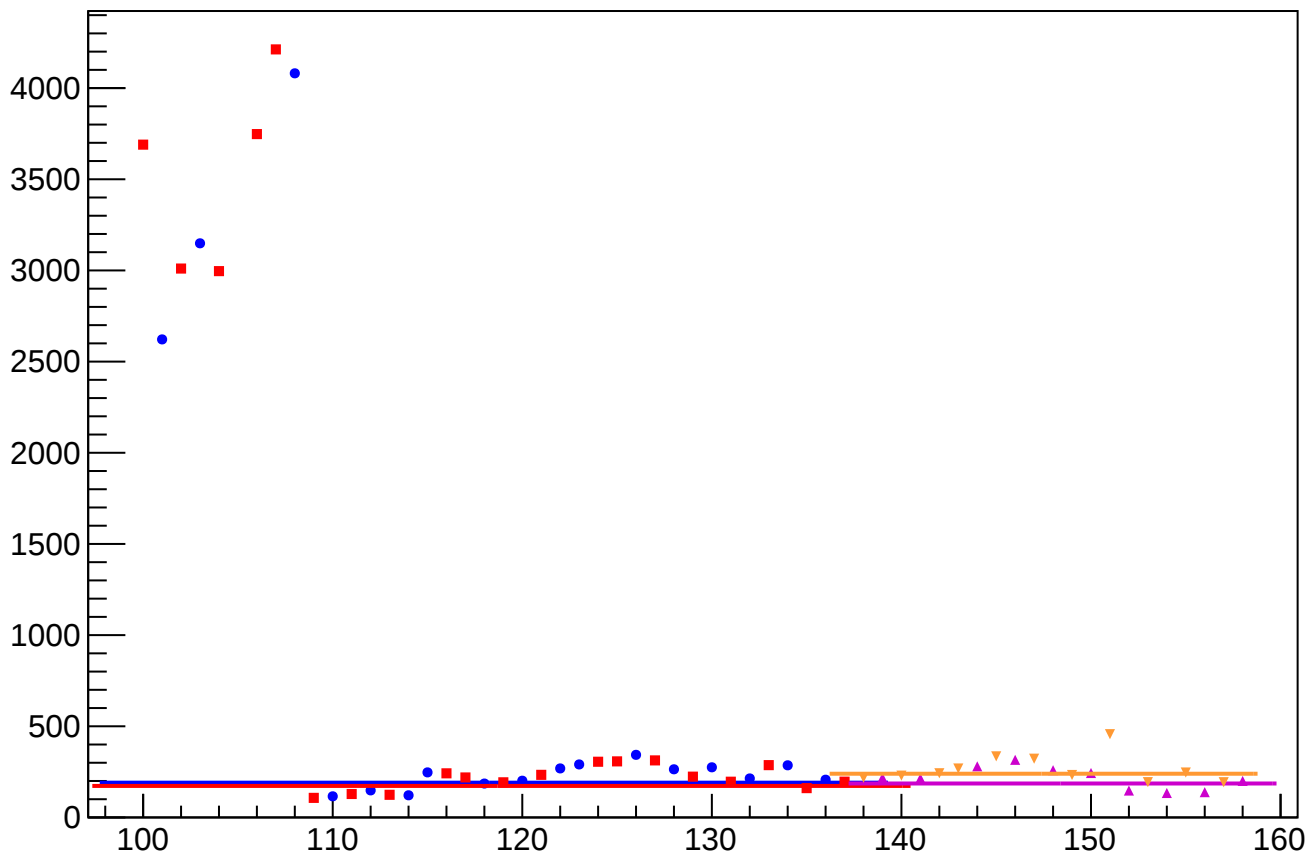
Left In: 73.899 $\pm$ 70.232 χ^2 /NDF: 4.6/9

62.790 $\pm$ 61.974 χ^2 /NDF: 16.7/27

54.000 $\pm$ 40.239 χ^2 /NDF: 34.4/57

47.594 $\pm$ 52.908 χ^2 /NDF: 17.6/29

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 190.770 ± 0.062 χ^2/NDF : 3585034.0/16

Left Out: 239.807 ± 0.062 χ^2/NDF : 778989.1/10

Right Out: 172.900 ± 0.057 χ^2/NDF : 422511.2/19

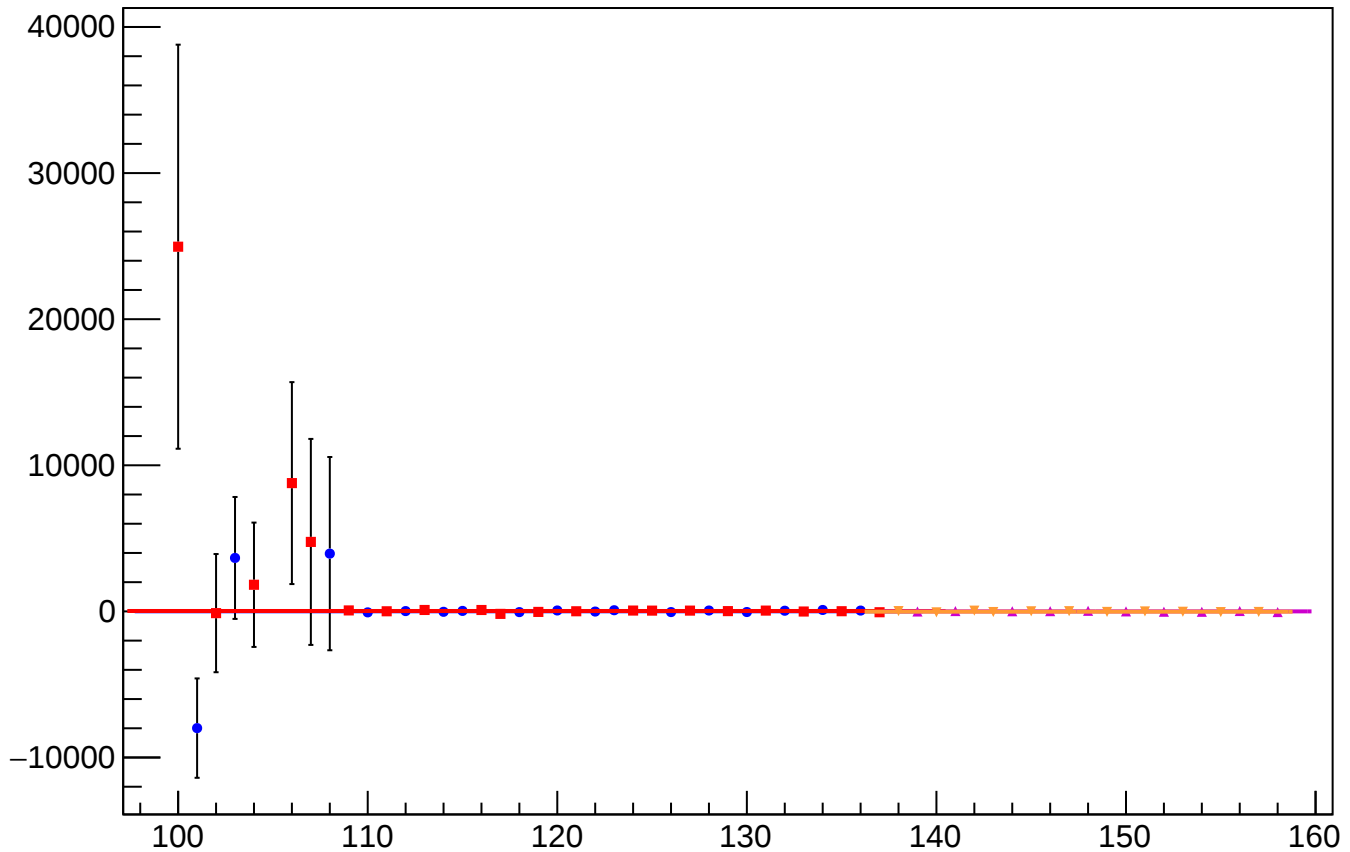
Left In: 186.248 ± 0.050 χ^2/NDF : 1227199.1/9

215.568 ± 0.044 χ^2/NDF : 4677025.7/27

195.269 ± 0.028 χ^2/NDF : 10528900.1/57

180.475 ± 0.037 χ^2/NDF : 5480954.2/29

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 8.600 $\pm$ 12.368 χ^2 /NDF: 23.2/16

Left Out: -17.321 $\pm$ 10.636 χ^2 /NDF: 8.8/10

Right Out: 27.898 $\pm$ 12.287 χ^2 /NDF: 18.8/19

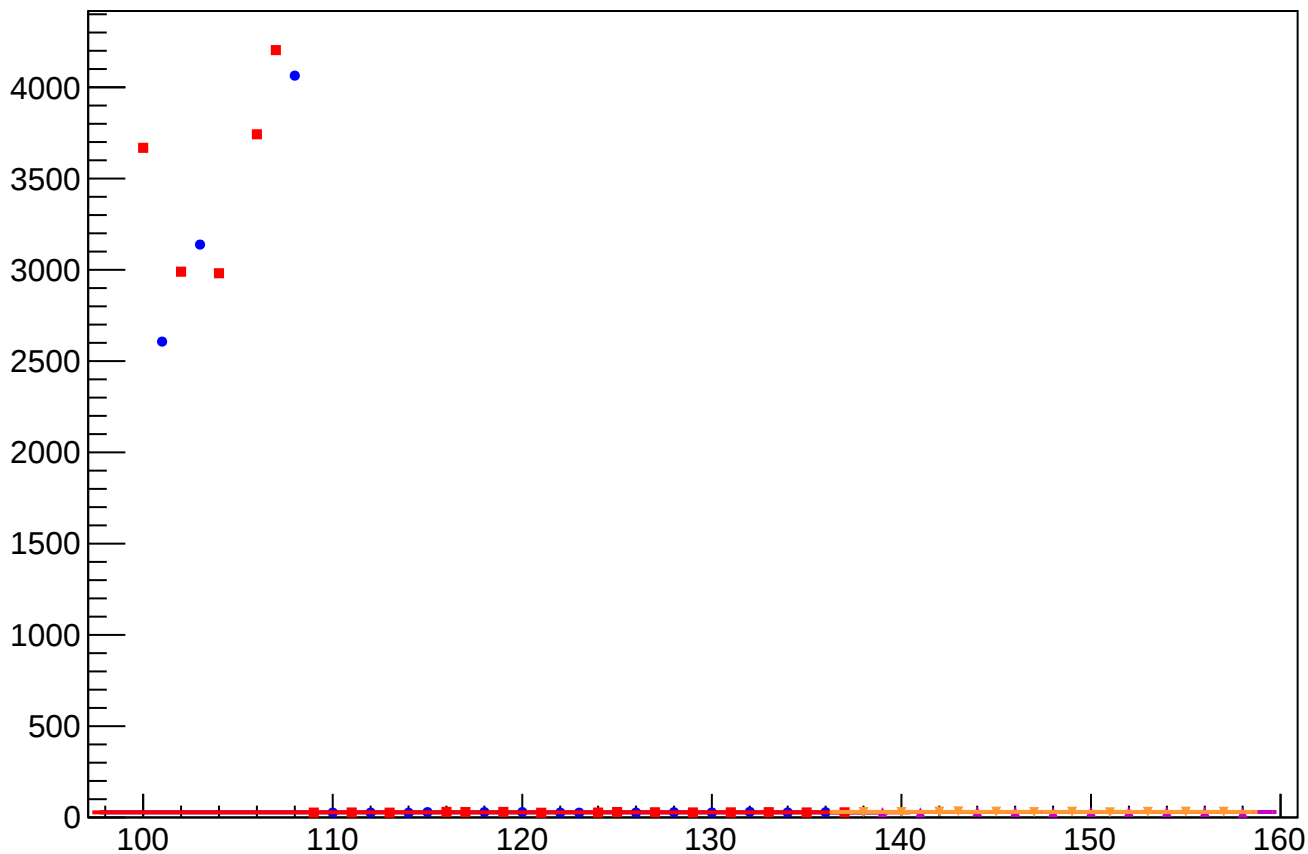
Left In: 1.296 $\pm$ 10.472 χ^2 /NDF: 6.6/9

-6.300 $\pm$ 8.064 χ^2 /NDF: 34.5/27

3.205 $\pm$ 5.669 χ^2 /NDF: 65.3/57

12.490 $\pm$ 7.970 χ^2 /NDF: 28.1/29

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 28.044 $\pm$ 0.009 χ^2 /NDF: 3027898.7/16

Left Out: 30.297 $\pm$ 0.008 χ^2 /NDF:33312.8/10

Right Out: 27.930 $\pm$ 0.009 χ^2 /NDF: 3479947.6/19

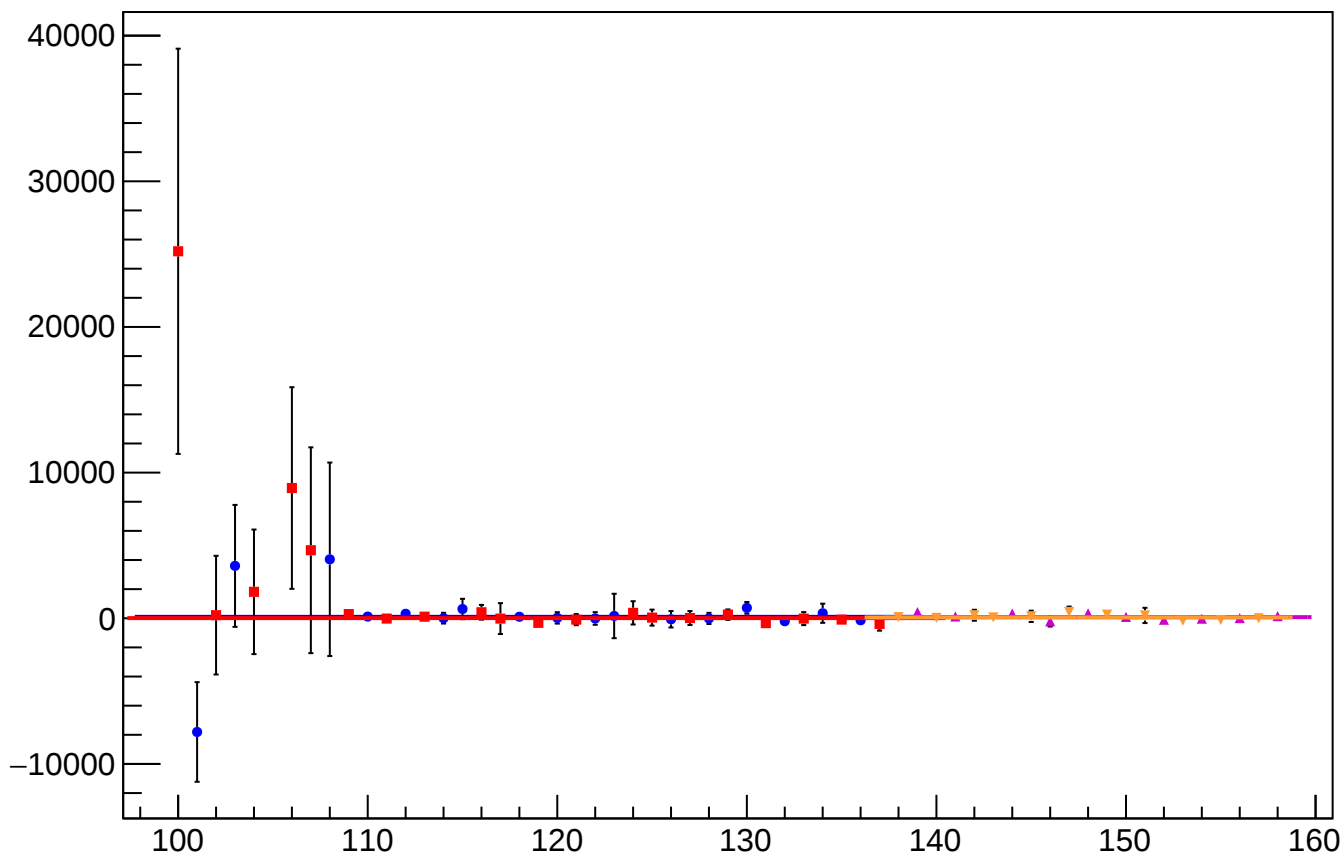
Left In: 29.866 $\pm$ 0.007 χ^2 /NDF:58600.1/9

29.339 $\pm$ 0.006 χ^2 /NDF: 3099375.2/27

29.193 $\pm$ 0.004 χ^2 /NDF: 6667967.4/57

29.051 $\pm$ 0.006 χ^2 /NDF: 3567302.3/29

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 98.142 $\pm$ 89.203 χ^2 /NDF: 12.5/16

Left Out: 56.133 $\pm$ 88.170 χ^2 /NDF: 3.3/10

Right Out: 11.533 $\pm$ 81.530 χ^2 /NDF: 12.3/19

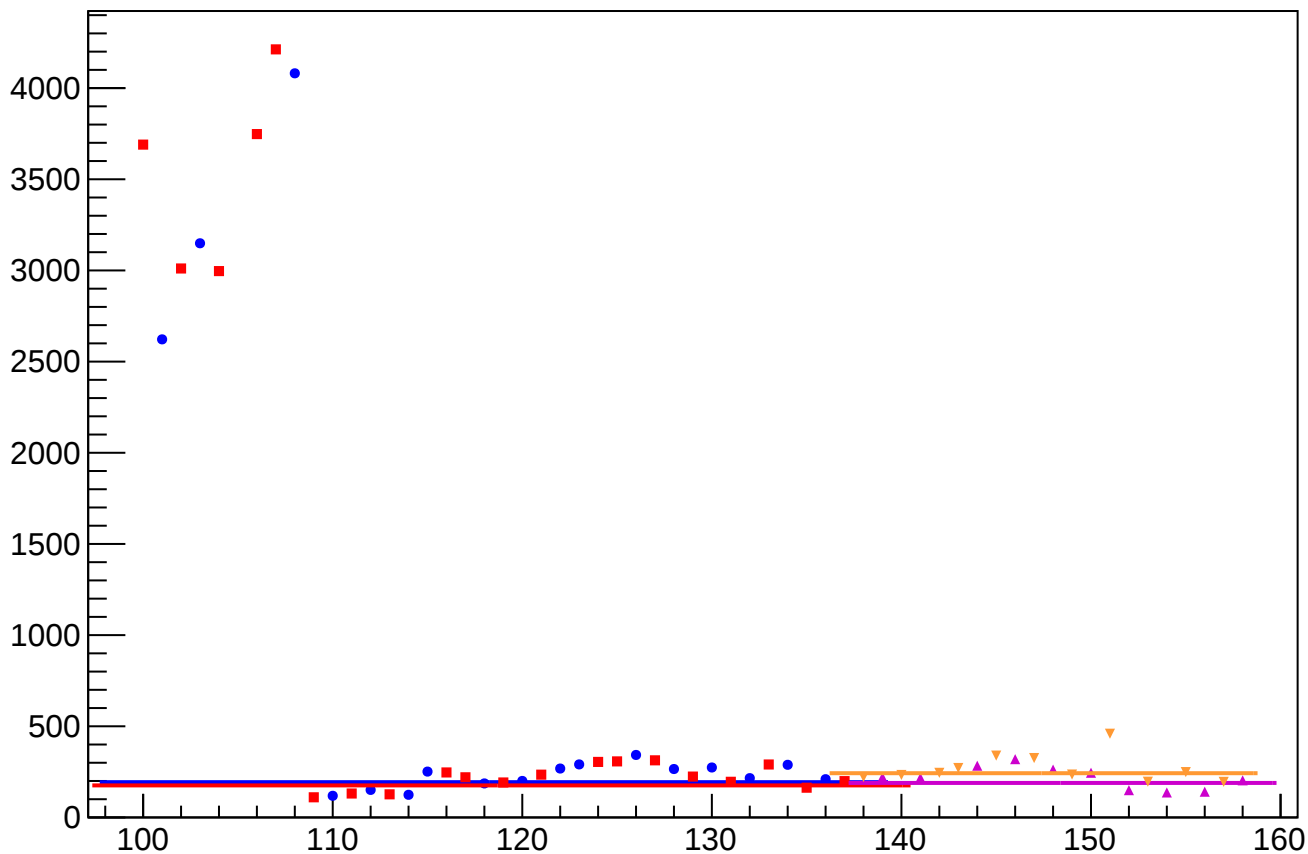
Left In: 78.313 $\pm$ 71.290 χ^2 /NDF: 5.3/9

76.893 $\pm$ 62.708 χ^2 /NDF: 15.9/27

61.011 $\pm$ 40.774 χ^2 /NDF: 34.0/57

49.378 $\pm$ 53.667 χ^2 /NDF: 17.9/29

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.516+/-0.063 χ^2/NDF : 3536947.8/16

Left Out: 242.709+/-0.062 χ^2/NDF : 772438.4/10

Right Out: 175.774+/-0.058 χ^2/NDF : 4169115.6/19

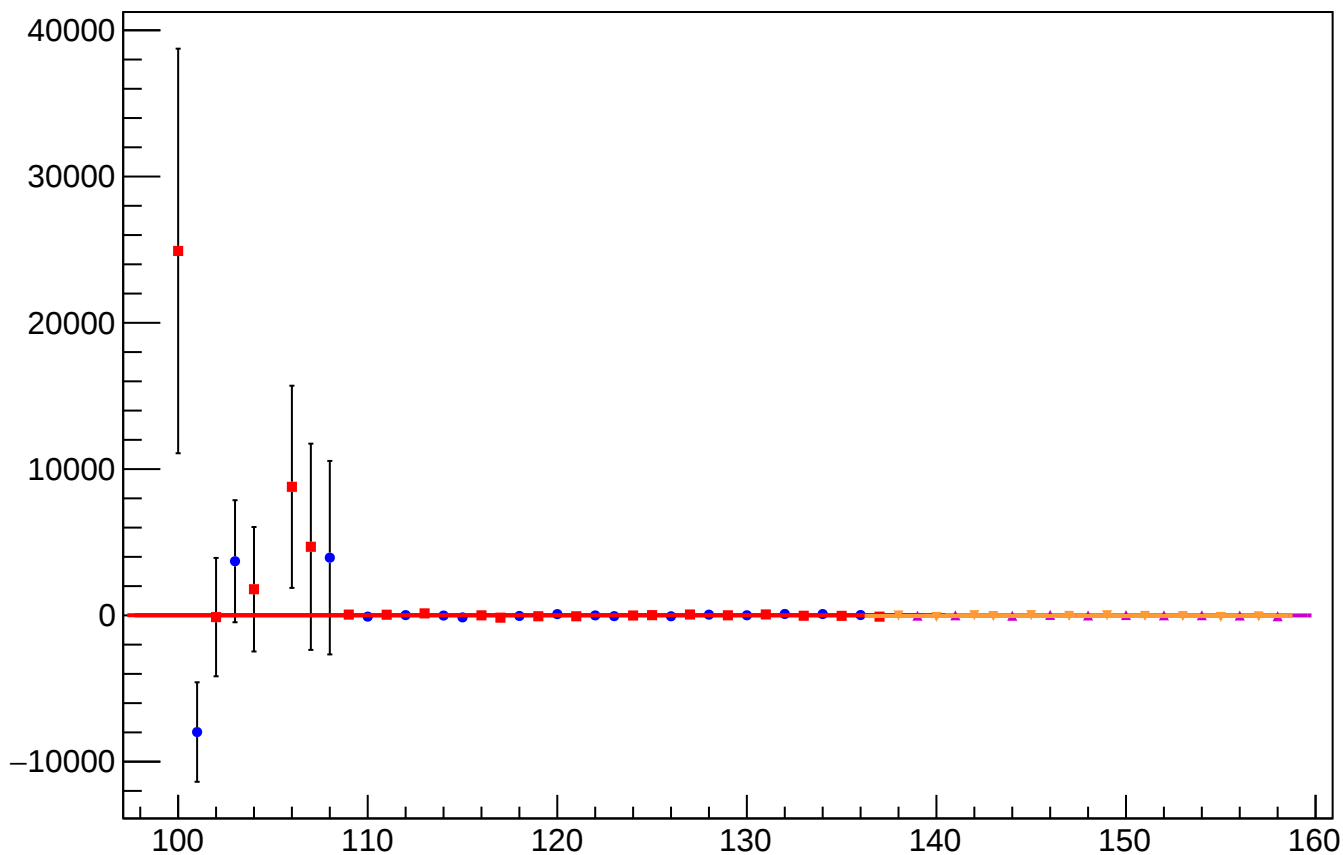
Left In: 189.316+/-0.050 χ^2/NDF : 1201194.1/9

218.399+/-0.044 χ^2/NDF : 4617045.0/27

198.225+/-0.029 χ^2/NDF : 10377254.5/57

183.448+/-0.038 χ^2/NDF : 5401579.2/29

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.565+/-15.052 χ^2/NDF : 20.4/16

Left Out: -42.619+/-12.463 χ^2/NDF : 11.0/10

Right Out: 10.775+/-14.891 χ^2/NDF : 23.0/19

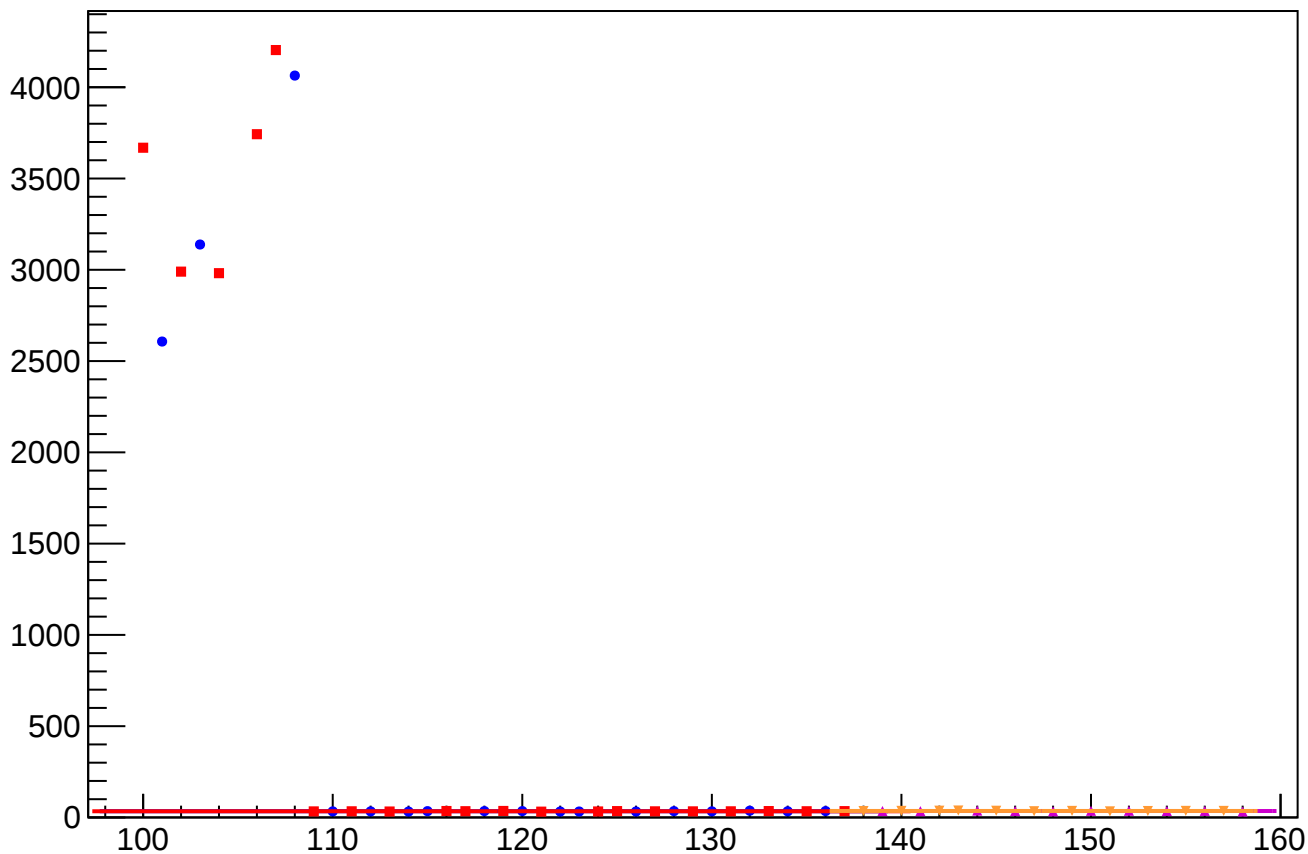
Left In: -4.341+/-12.361 χ^2/NDF : 4.2/9

-23.021+/-9.599 χ^2/NDF : 37.5/27

-10.483+/-6.756 χ^2/NDF : 68.7/57

1.826+/-9.511 χ^2/NDF : 27.8/29

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 34.168 $\pm$ 0.011 χ^2 /NDF: 3006512.8/16

Left Out: 35.547 $\pm$ 0.009 χ^2 /NDF:19400.4/10

Right Out: 33.916 $\pm$ 0.011 χ^2 /NDF: 3451921.6/19

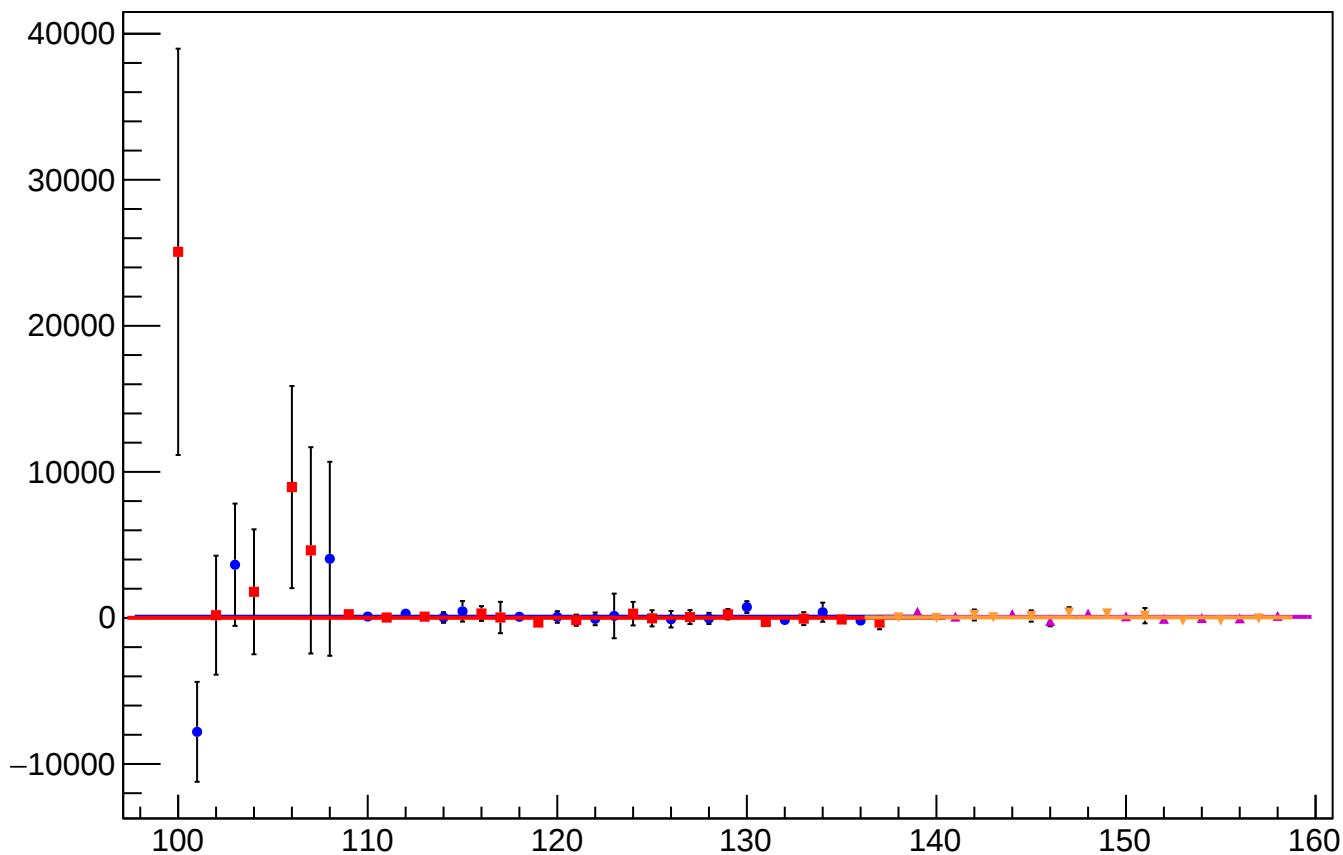
Left In: 35.324 $\pm$ 0.009 χ^2 /NDF:24670.7/9

34.986 $\pm$ 0.007 χ^2 /NDF: 3035883.1/27

34.867 $\pm$ 0.005 χ^2 /NDF: 6523680.7/57

34.749 $\pm$ 0.007 χ^2 /NDF: 3487183.9/29

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 84.504 $\pm$ 88.746 χ^2 /NDF: 12.5/16

Left Out: 35.501 $\pm$ 87.828 χ^2 /NDF: 3.8/10

Right Out: 8.682 $\pm$ 81.026 χ^2 /NDF: 11.1/19

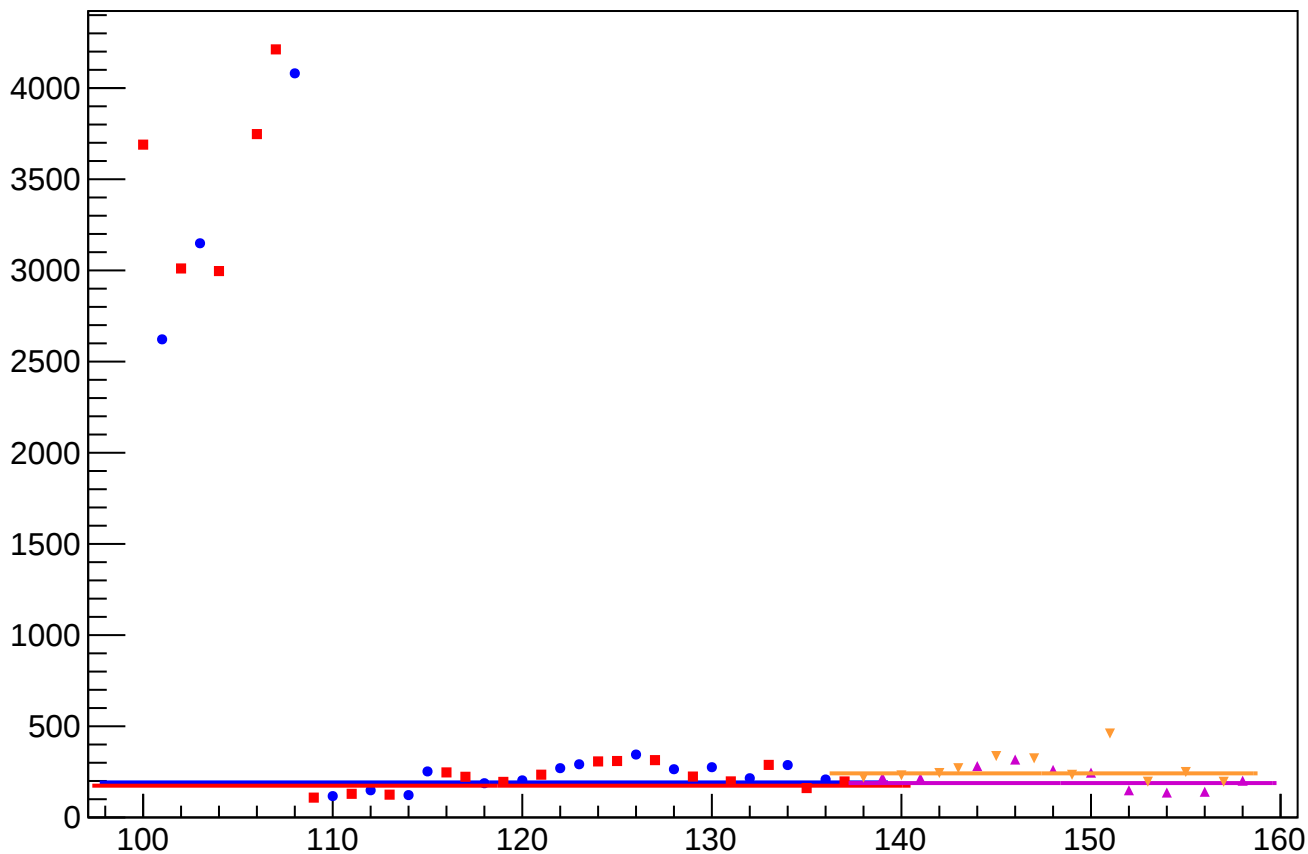
Left In: 73.742 $\pm$ 71.001 χ^2 /NDF: 4.8/9

59.748 $\pm$ 62.426 χ^2 /NDF: 16.5/27

51.511 $\pm$ 40.579 χ^2 /NDF: 32.7/57

45.483 $\pm$ 53.400 χ^2 /NDF: 16.2/29

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.177+/-0.063 χ^2/NDF : 3574617.3/16

Left Out: 241.768+/-0.062 χ^2/NDF : 769145.0/10

Right Out: 174.240+/-0.057 χ^2/NDF : 4215763.8/19

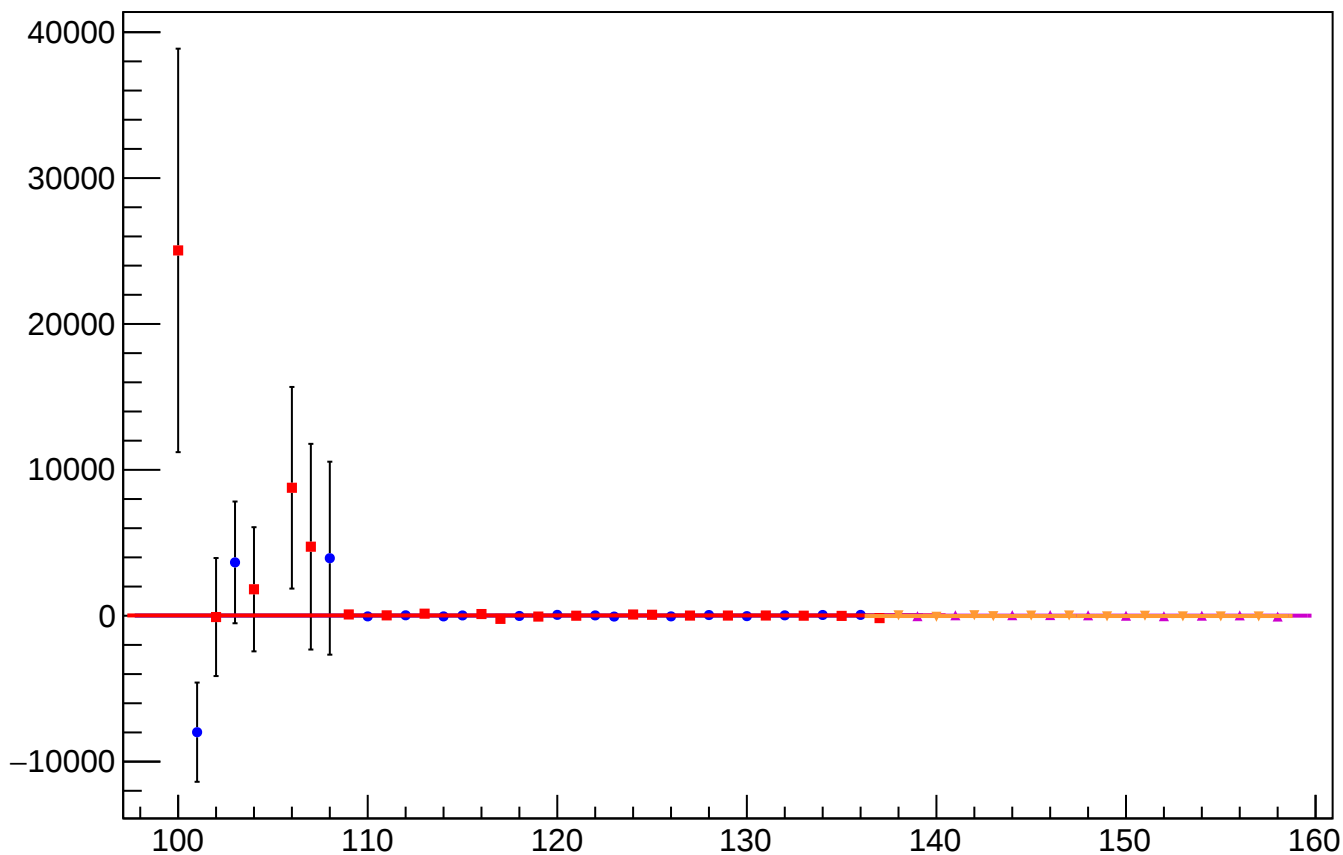
Left In: 188.568+/-0.050 χ^2/NDF : 1189033.2/9

217.231+/-0.044 χ^2/NDF : 4659271.2/27

197.086+/-0.029 χ^2/NDF : 10460128.6/57

182.345+/-0.038 χ^2/NDF : 5440176.8/29

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 12.751+/-13.723 χ^2/NDF : 14.6/16

Left Out: -20.685+/-11.373 χ^2/NDF : 8.8/10

Right Out: 20.740+/-13.606 χ^2/NDF : 30.4/19

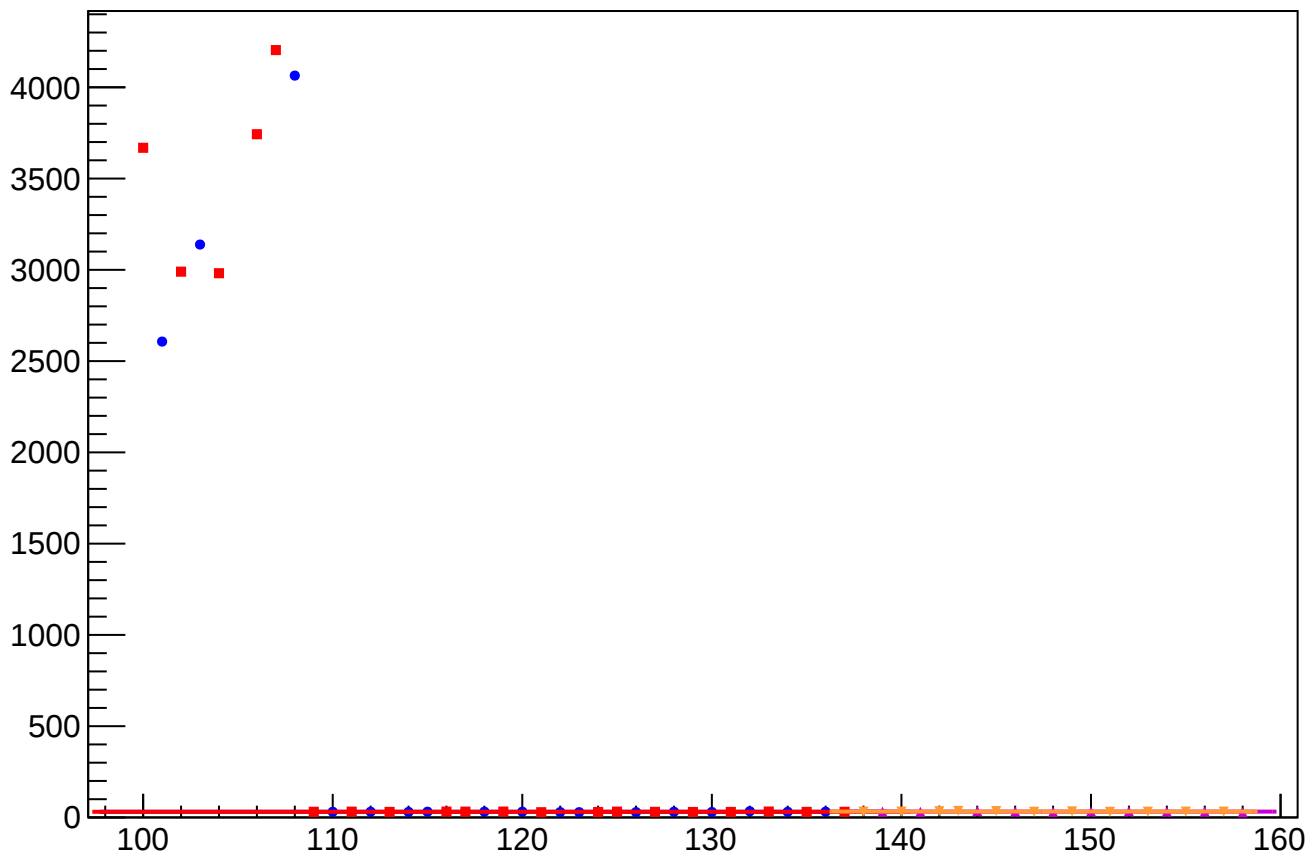
Left In: 5.472+/-11.220 χ^2/NDF : 8.7/9

-7.072+/-8.757 χ^2/NDF : 27.0/27

2.398+/-6.156 χ^2/NDF : 69.1/57

11.652+/-8.656 χ^2/NDF : 39.8/29

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 31.153+/-0.010 χ^2/NDF : 3014515.0/16

Left Out: 32.404+/-0.008 χ^2/NDF : 32941.0/10

Right Out: 30.970+/-0.010 χ^2/NDF : 3458998.2/19

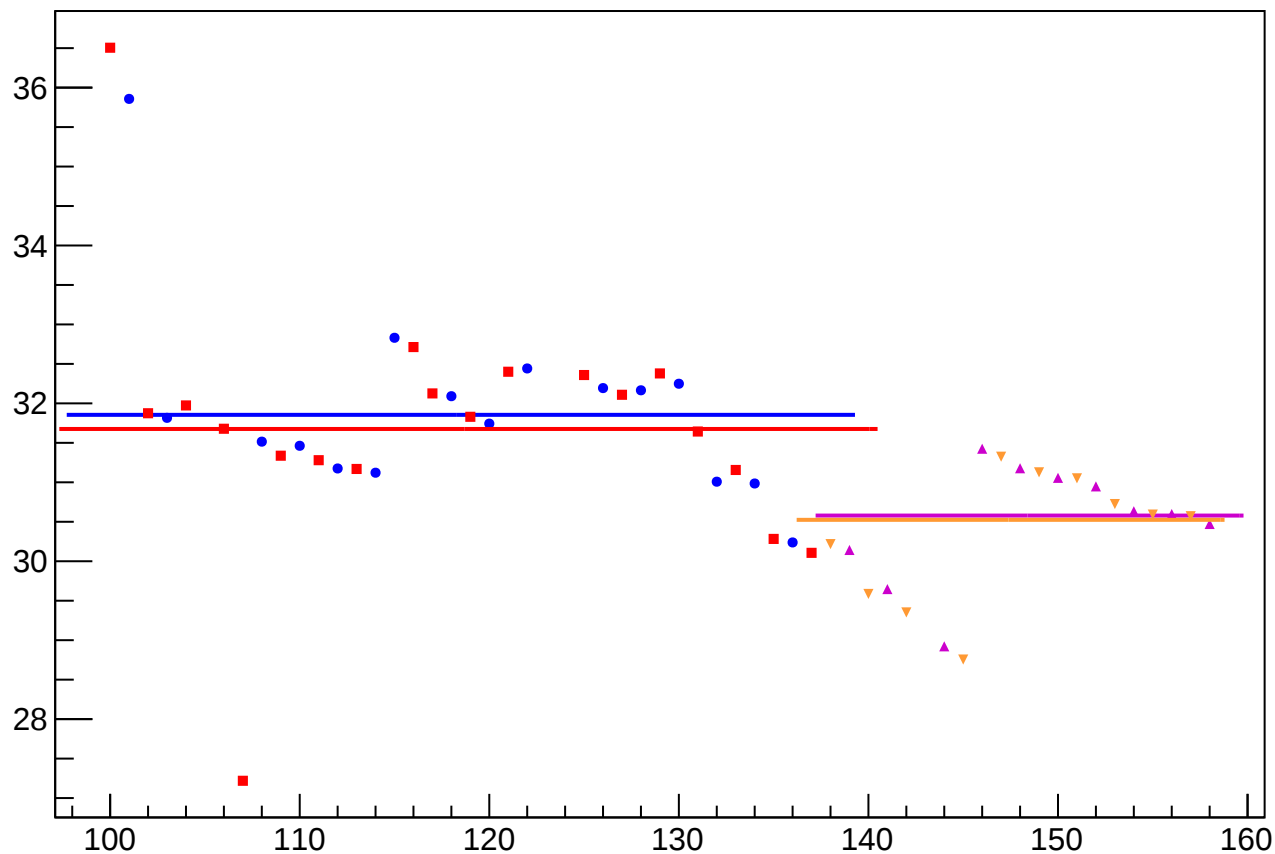
Left In: 31.995+/-0.008 χ^2/NDF : 53052.6/9

31.895+/-0.006 χ^2/NDF : 3057313.2/27

31.736+/-0.004 χ^2/NDF : 6577431.7/57

31.580+/-0.006 χ^2/NDF : 3518814.2/29

yield_usl_mean vs Slug, Sign Corrected



Right In: 31.855 $\pm$ 0.000 χ^2/NDF : 1570522165.5/15

Left Out: 30.525 $\pm$ 0.000 χ^2/NDF : 586610895.6/9

Right Out: 31.676 $\pm$ 0.000 χ^2/NDF : 919678295.7/18

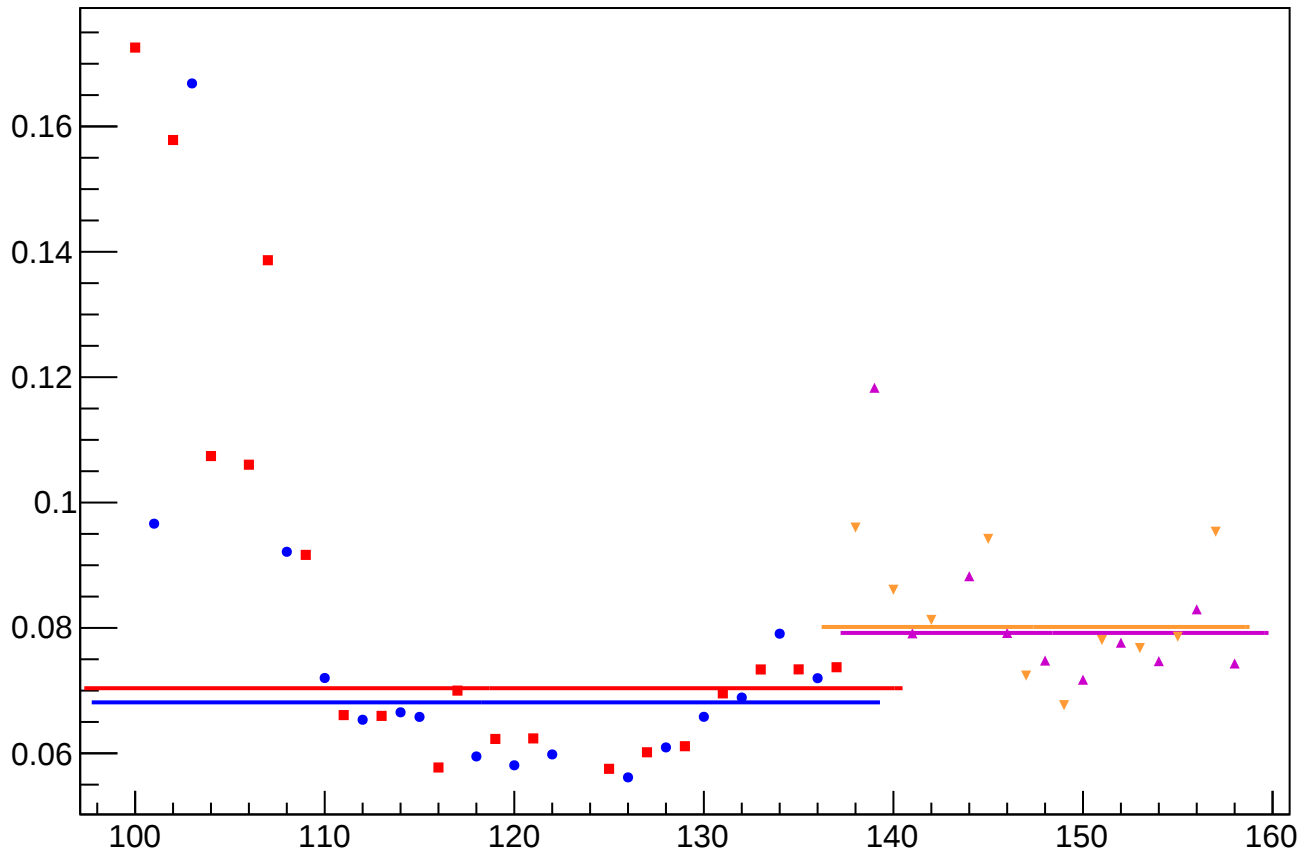
Left In: 30.579 $\pm$ 0.000 χ^2/NDF : 562730374.1/9

31.252 $\pm$ 0.000 χ^2/NDF : 3153450389.6/25

31.193 $\pm$ 0.000 χ^2/NDF : 5363895915.0/5

31.136 $\pm$ 0.000 χ^2/NDF : 2194693286.1/28

yield_usl_rms vs Slug, Sign Corrected



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

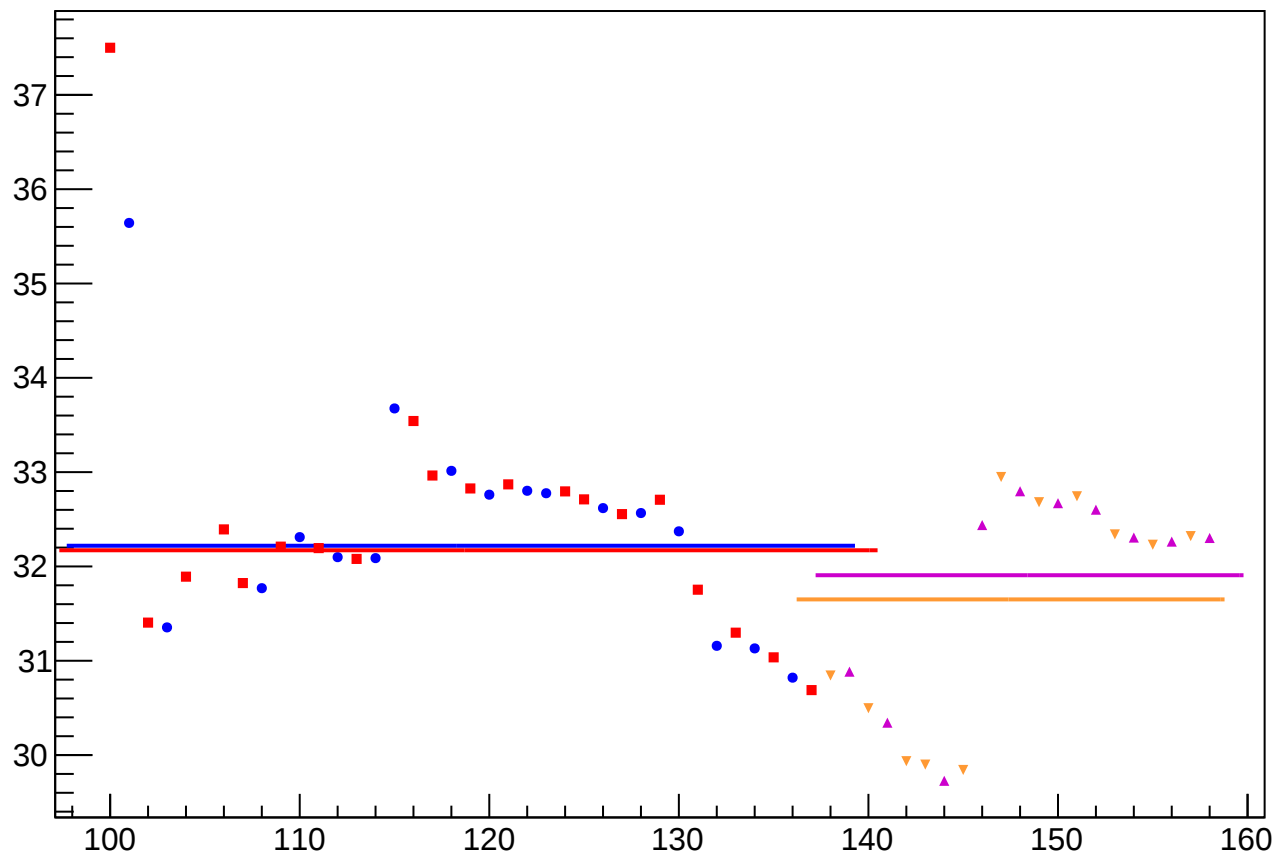
Left In: 0.079+/-0.000 χ^2/NDF : 206211.9/9

0.074+/-0.000 χ^2/NDF : 971023.9/25

0.074+/-0.000 χ^2/NDF : 2113716.7/54

0.075+/-0.000 χ^2/NDF : 1139619.0/28

yield_usr_mean vs Slug, Sign Corrected



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

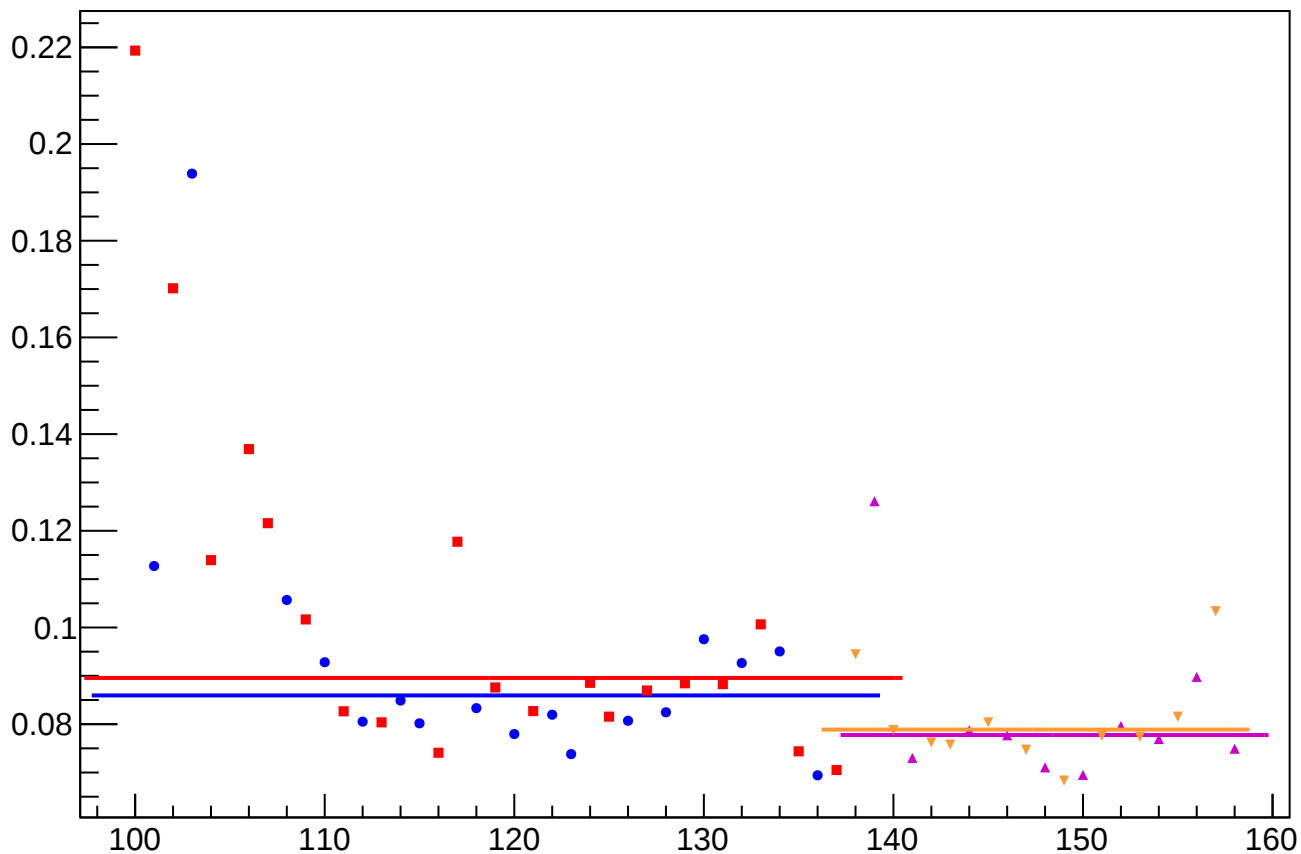
Left In: 31.907+/-0.000 χ^2/NDF : 1359989384.2/9

31.880+/-0.000 χ^2/NDF : 2860023194.4/27

31.945+/-0.000 χ^2/NDF : 4713724921.1/5

32.009+/-0.000 χ^2/NDF : 1837257458.7/29

yield_usr_rms vs Slug, Sign Corrected



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

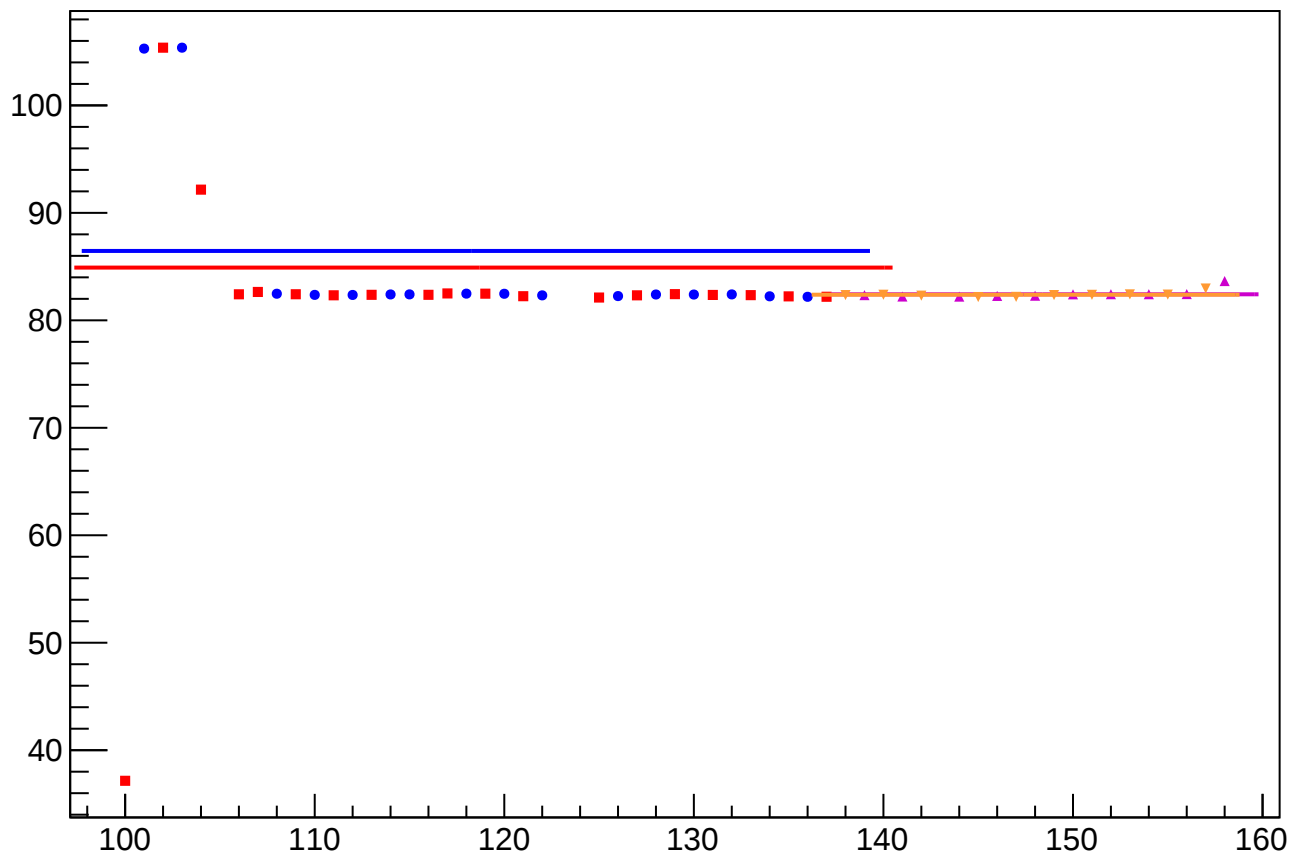
Left In: 0.078+/-0.000 χ^2/NDF : 277956.3/9

0.082+/-0.000 χ^2/NDF : 754938.1/27

0.082+/-0.000 χ^2/NDF : 1710070.5/57

0.082+/-0.000 χ^2/NDF : 954459.1/29

yield_dsl_mean vs Slug, Sign Corrected



Right In: 86.457 $\pm$ 0.000 χ^2/NDF : 291421048436.2/15

Left Out: 82.384 $\pm$ 0.000 χ^2/NDF : 149520566.7/9

Right Out: 84.908 $\pm$ 0.000 χ^2/NDF : 172306803858.3/18

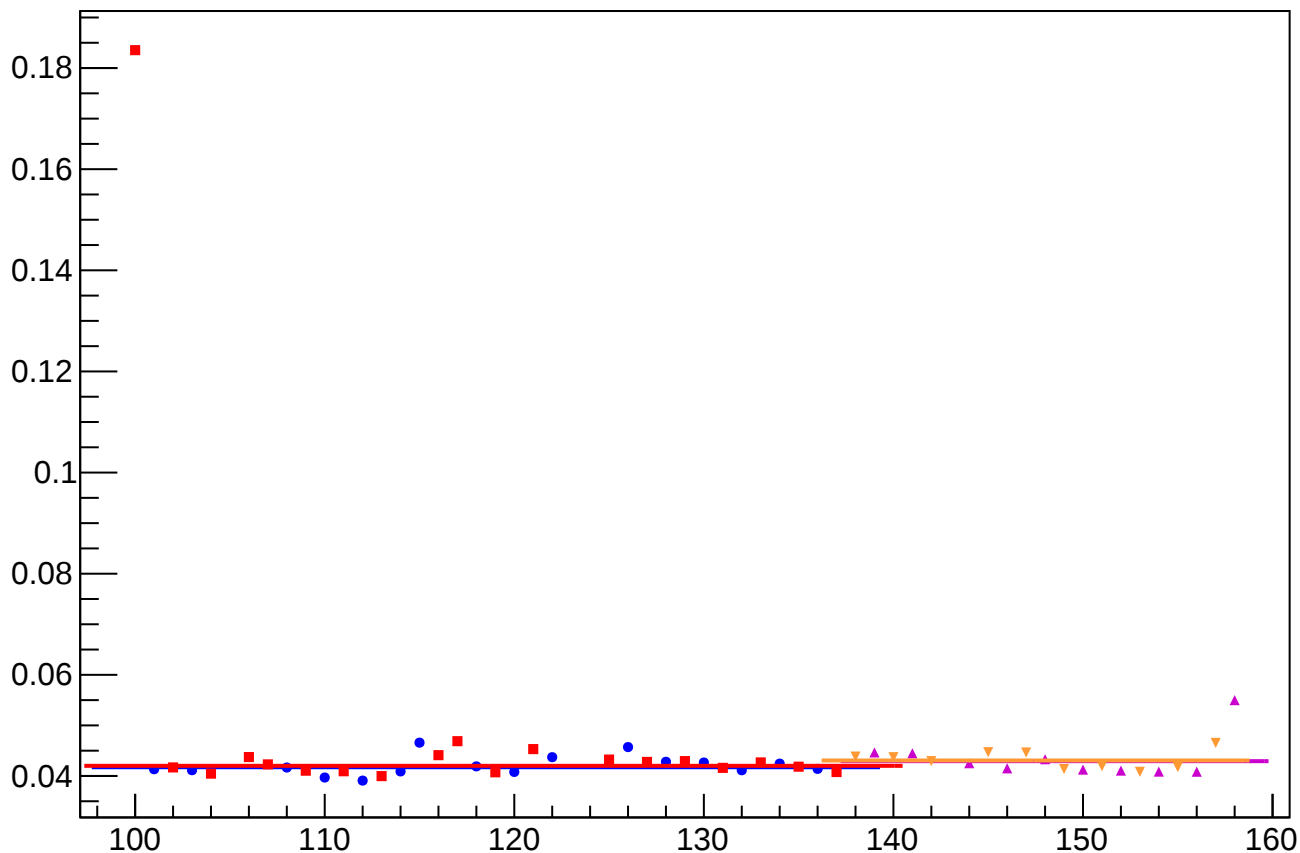
Left In: 82.422 $\pm$ 0.000 χ^2/NDF : 457523849.4/9

84.368 $\pm$ 0.000 χ^2/NDF : 323628599653.9/25

83.971 $\pm$ 0.000 χ^2/NDF : 511509514888.6

83.600 $\pm$ 0.000 χ^2/NDF : 185520998721.6/28

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF : 18887.0/15

Left Out: 0.043+/-0.000 χ^2/NDF : 23090.7/9

Right Out: 0.042+/-0.000 χ^2/NDF : 97785.5/18

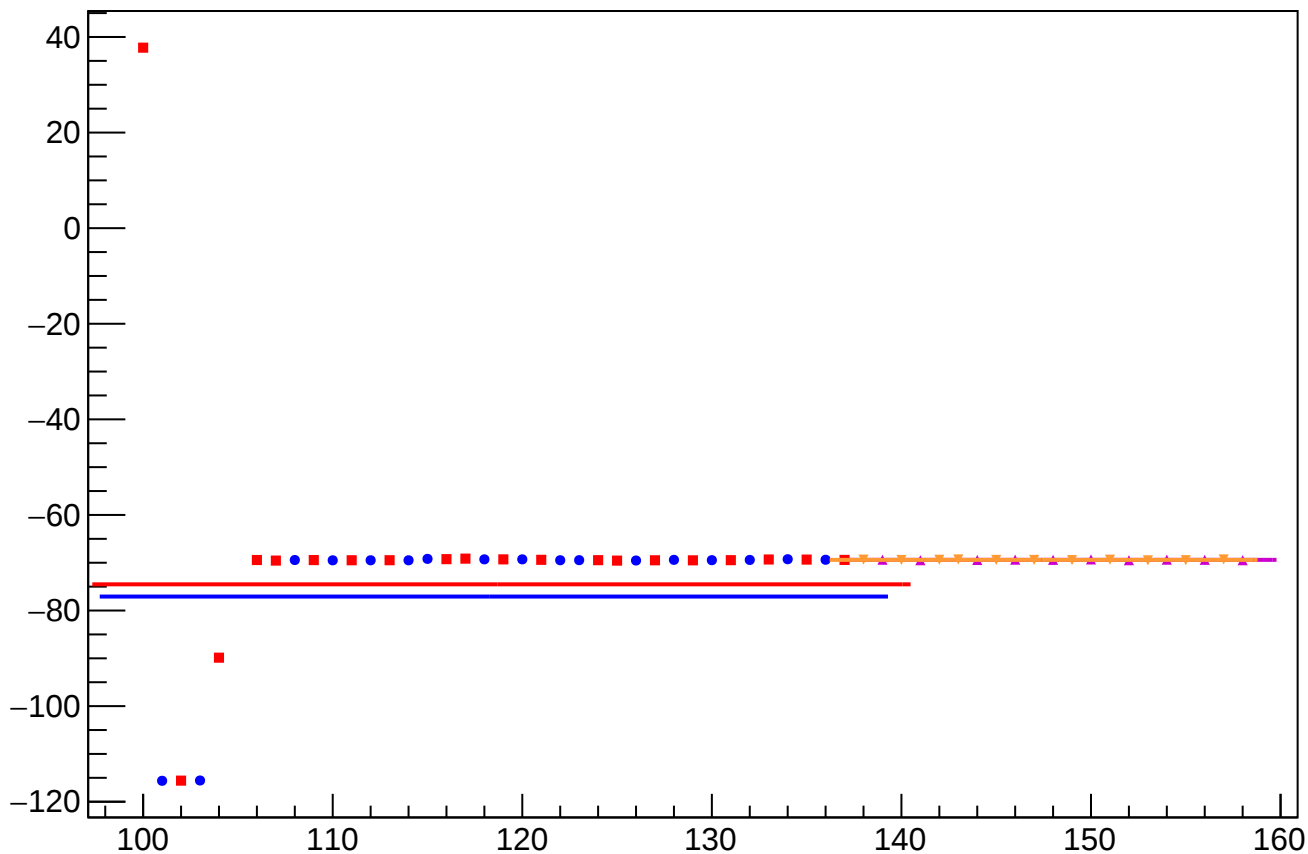
Left In: 0.043+/-0.000 χ^2/NDF : 97044.4/9

0.042+/-0.000 χ^2/NDF : 48843.4/25

0.042+/-0.000 χ^2/NDF : 247223.8/54

0.042+/-0.000 χ^2/NDF : 198331.9/28

yield_dsr_mean vs Slug, Sign Corrected



Right In: -77.074 $\pm$ 0.000 χ^2 /NDF: 565391865606.1/16

Left Out: -69.403 $\pm$ 0.000 χ^2 /NDF: 8918571.5/10

Right Out: -74.518 $\pm$ 0.000 χ^2 /NDF: 372210051226.2/19

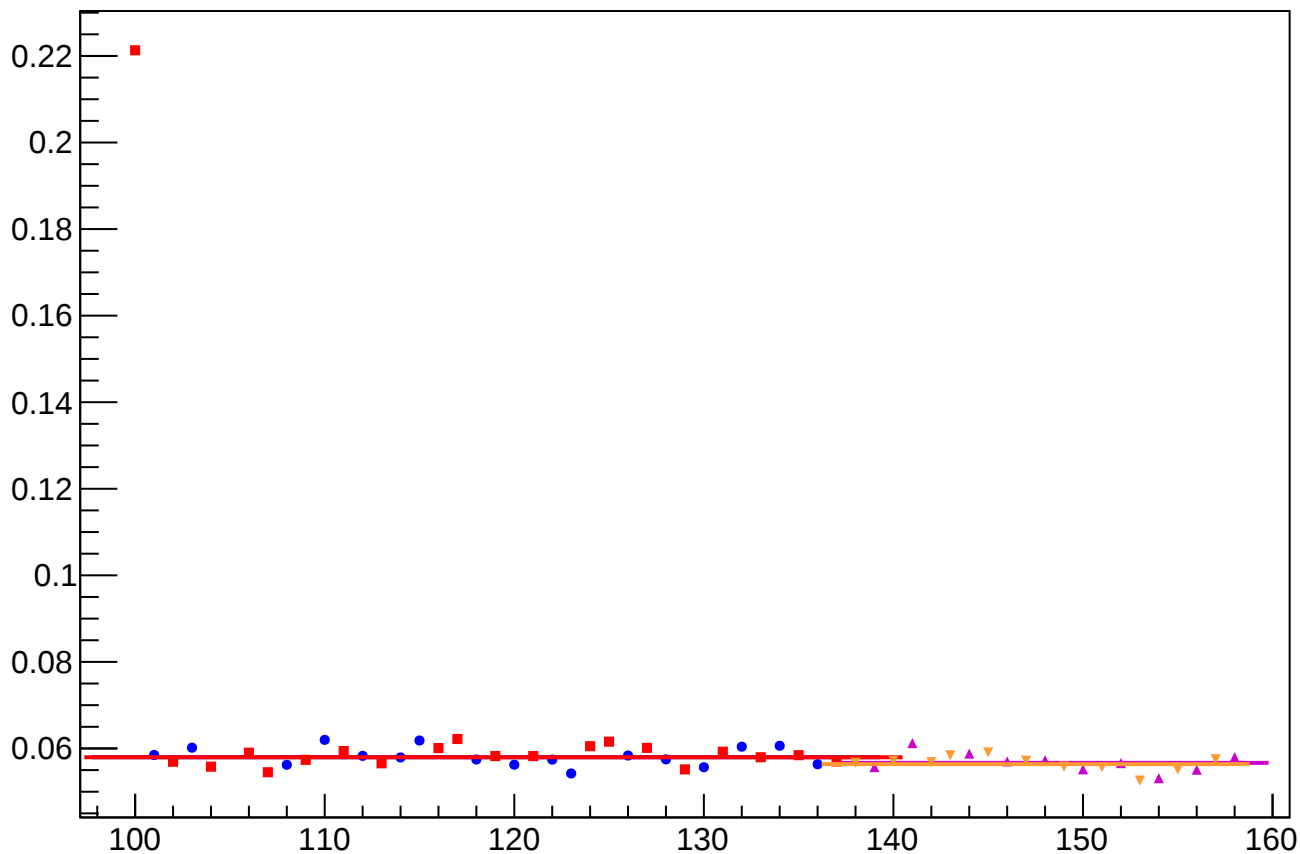
Left In: -69.397 $\pm$ 0.000 χ^2 /NDF: 7543497.9/9

-72.750 $\pm$ 0.000 χ^2 /NDF: 628918027468.5/27

-72.231 $\pm$ 0.000 χ^2 /NDF: 103282541830.0/27

-71.726 $\pm$ 0.000 χ^2 /NDF: 401573777512.0/29

yield_dsr_rms vs Slug, Sign Corrected



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

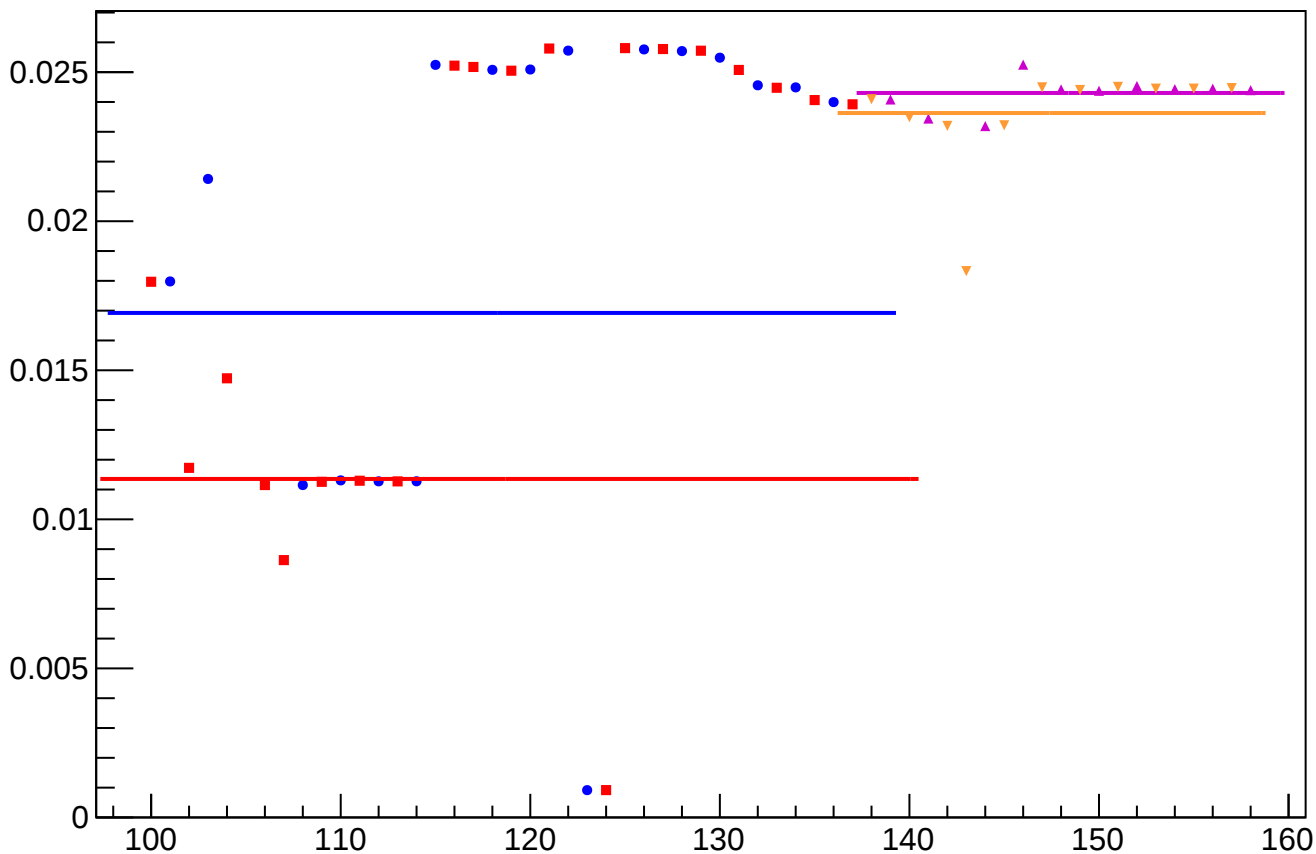
Left In: 0.057+/-0.000 χ^2/NDF : 22401.6/9

0.057+/-0.000 χ^2/NDF : 32918.1/27

0.057+/-0.000 χ^2/NDF : 146090.7/57

0.057+/-0.000 χ^2/NDF : 113018.5/29

yield_atl1_mean vs Slug, Sign Corrected



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

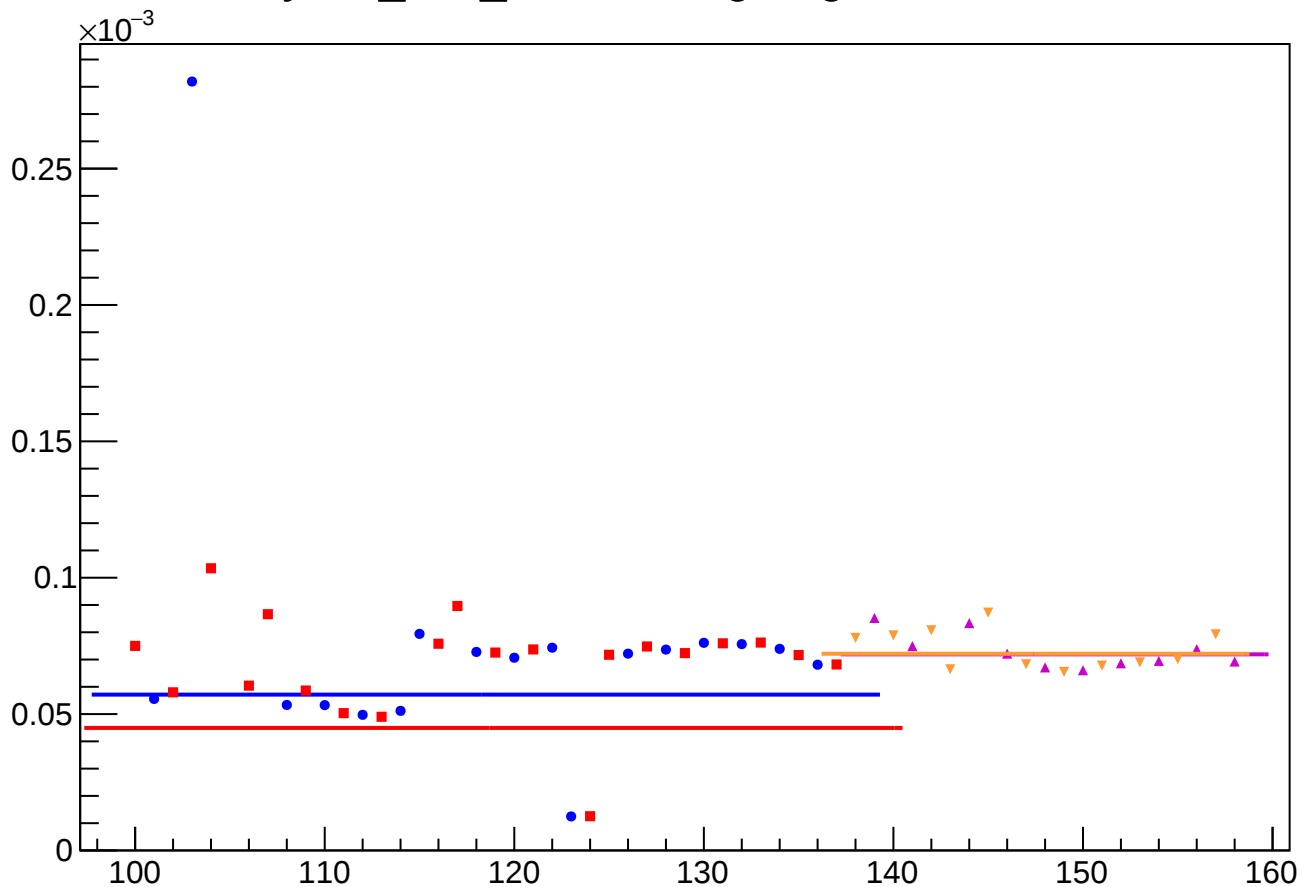
Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 235754579473.9/19

0.018 $\pm$ 0.000 χ^2 /NDF: 584491720285.1/10

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, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 2000446.9/16

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF:125743.6/10

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3613155.3/19

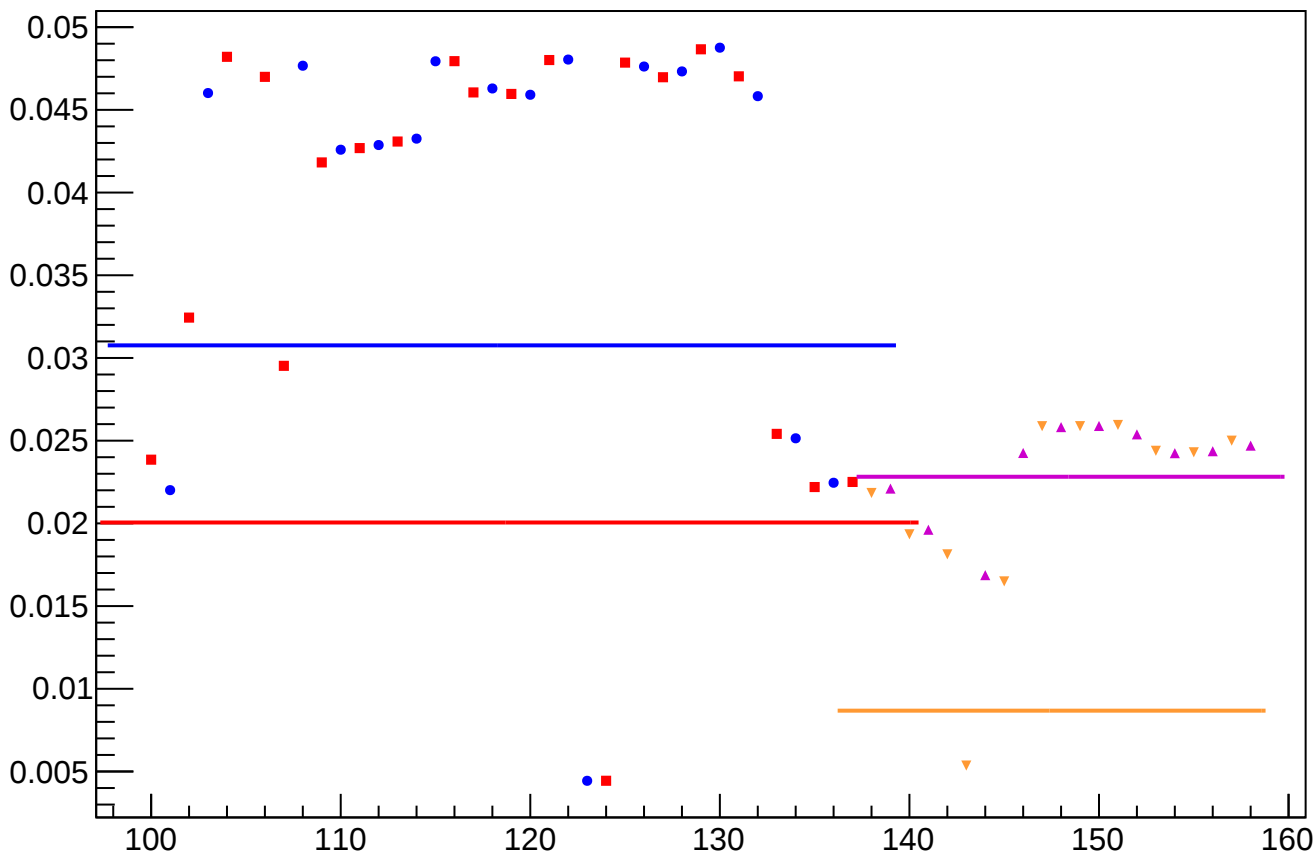
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:99362.9/9

0.000 $\pm$ 0.000 χ^2 /NDF: 2482741.3/27

0.000 $\pm$ 0.000 χ^2 /NDF: 7833339.1/57

0.000 $\pm$ 0.000 χ^2 /NDF: 5080396.3/29

yield_atl2_mean vs Slug, Sign Corrected



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

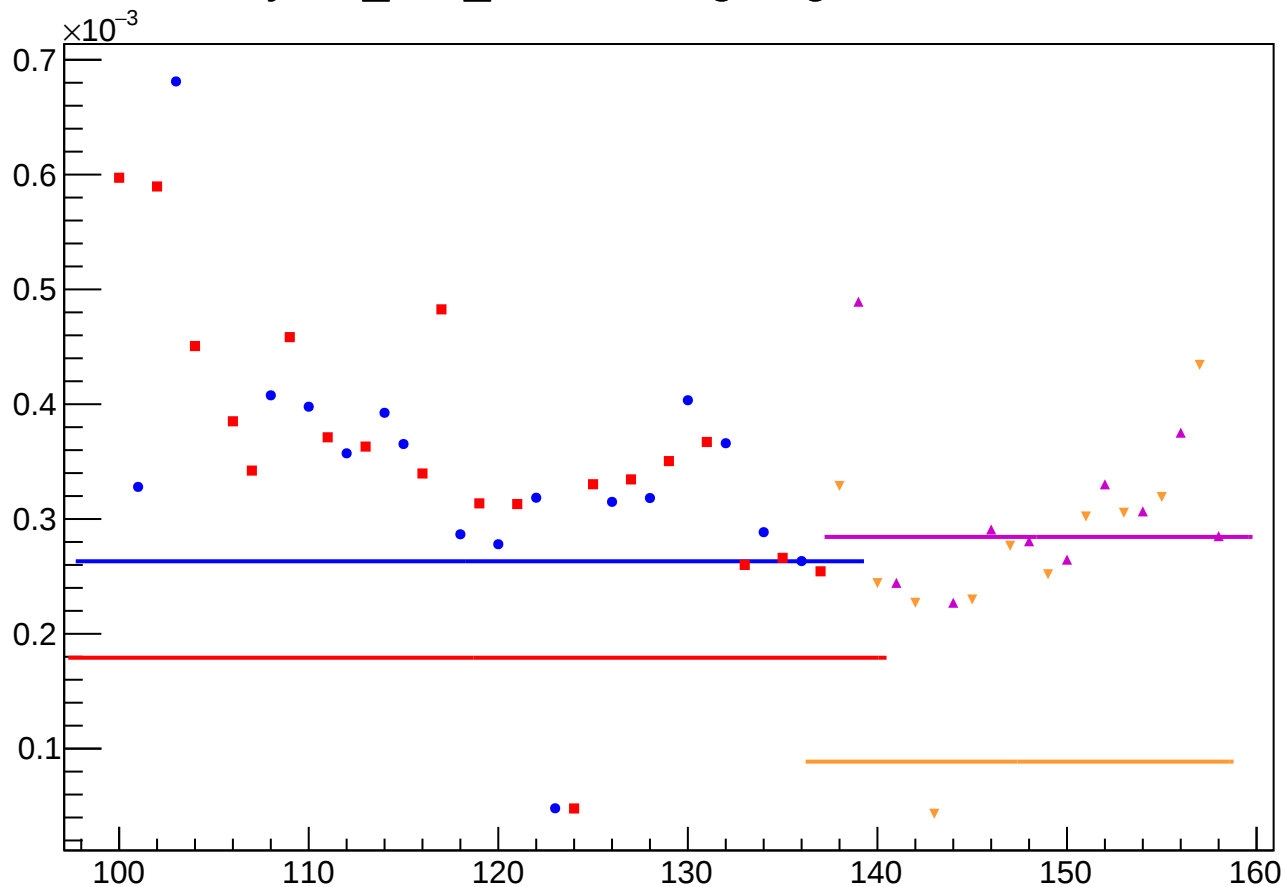
Left In: 0.023 $\pm$ 0.000 χ^2/NDF : 978054109.3/9

0.012 $\pm$ 0.000 χ^2/NDF : 71679060783.9/27

0.015 $\pm$ 0.000 χ^2/NDF : 126308624509.1/27

0.021 $\pm$ 0.000 χ^2/NDF : 41499663578.0/29

yield_atl2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 2401048.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 7753006.1/10

Right Out: 0.000+/-0.000 χ^2/NDF : 5374355.8/19

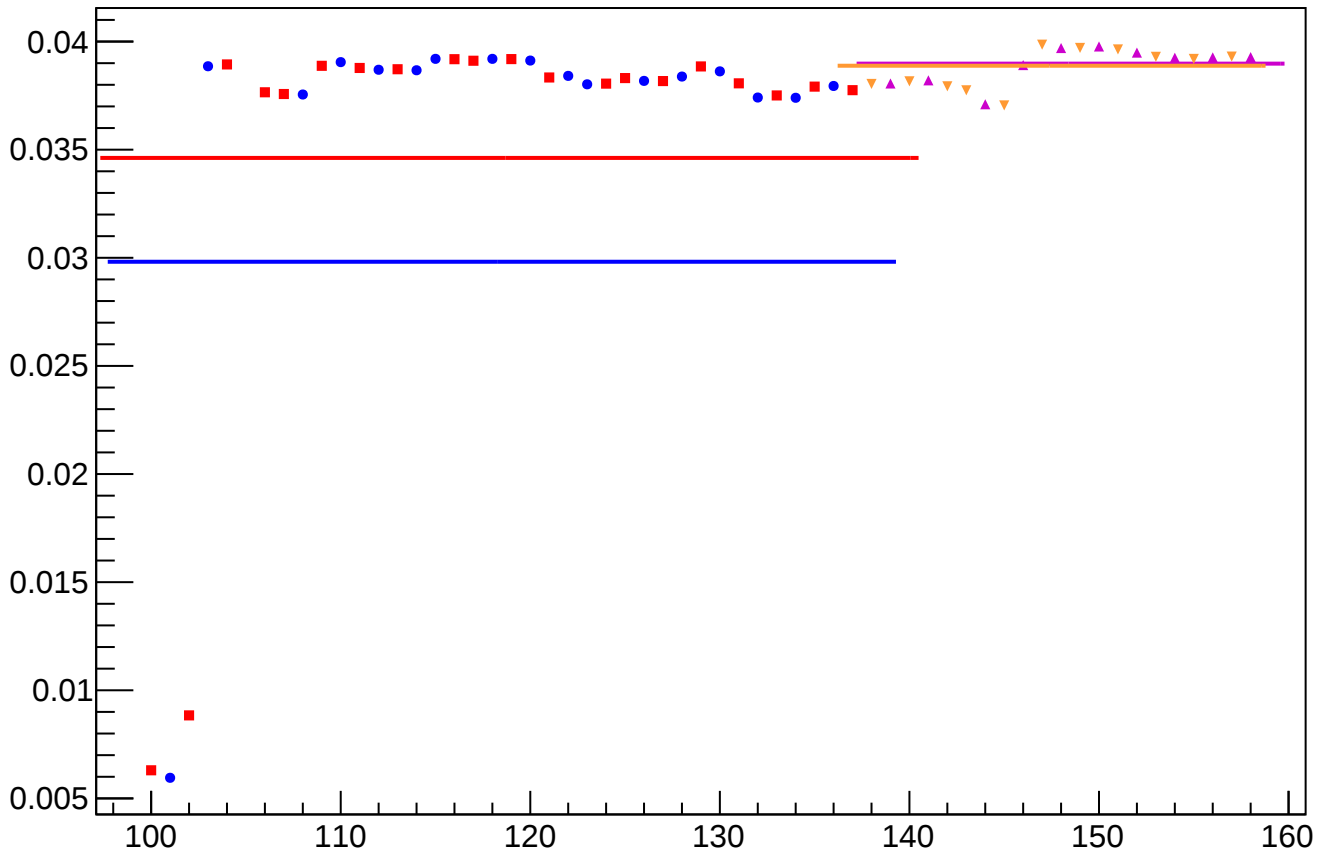
Left In: 0.000+/-0.000 χ^2/NDF : 512151.1/9

0.000+/-0.000 χ^2/NDF : 13860242.1/27

0.000+/-0.000 χ^2/NDF : 24507915.9/57

0.000+/-0.000 χ^2/NDF : 7009760.2/29

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 97152184939.3/16

Left Out: 0.039 $\pm$ 0.000 χ^2 /NDF:330161398.2/10

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 43717644957.2/19

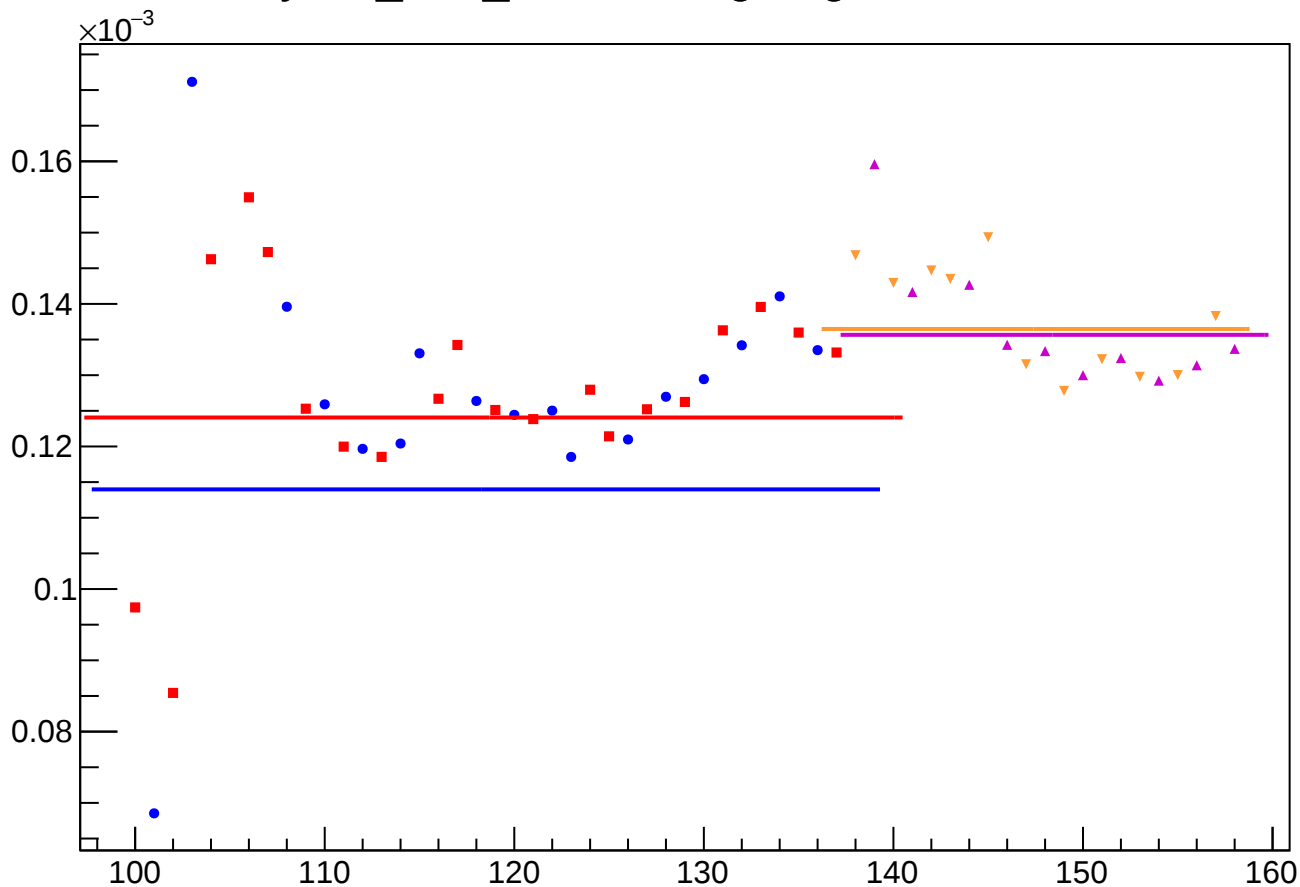
Left In: 0.039 $\pm$ 0.000 χ^2 /NDF:269016866.2/9

0.034 $\pm$ 0.000 χ^2 /NDF: 115803642637.6/27

0.035 $\pm$ 0.000 χ^2 /NDF: 167106167989.9/27

0.037 $\pm$ 0.000 χ^2 /NDF: 48107449433.3/29

yield_atr1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 794542.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 46070.8/10

Right Out: 0.000+/-0.000 χ^2/NDF : 245649.5/19

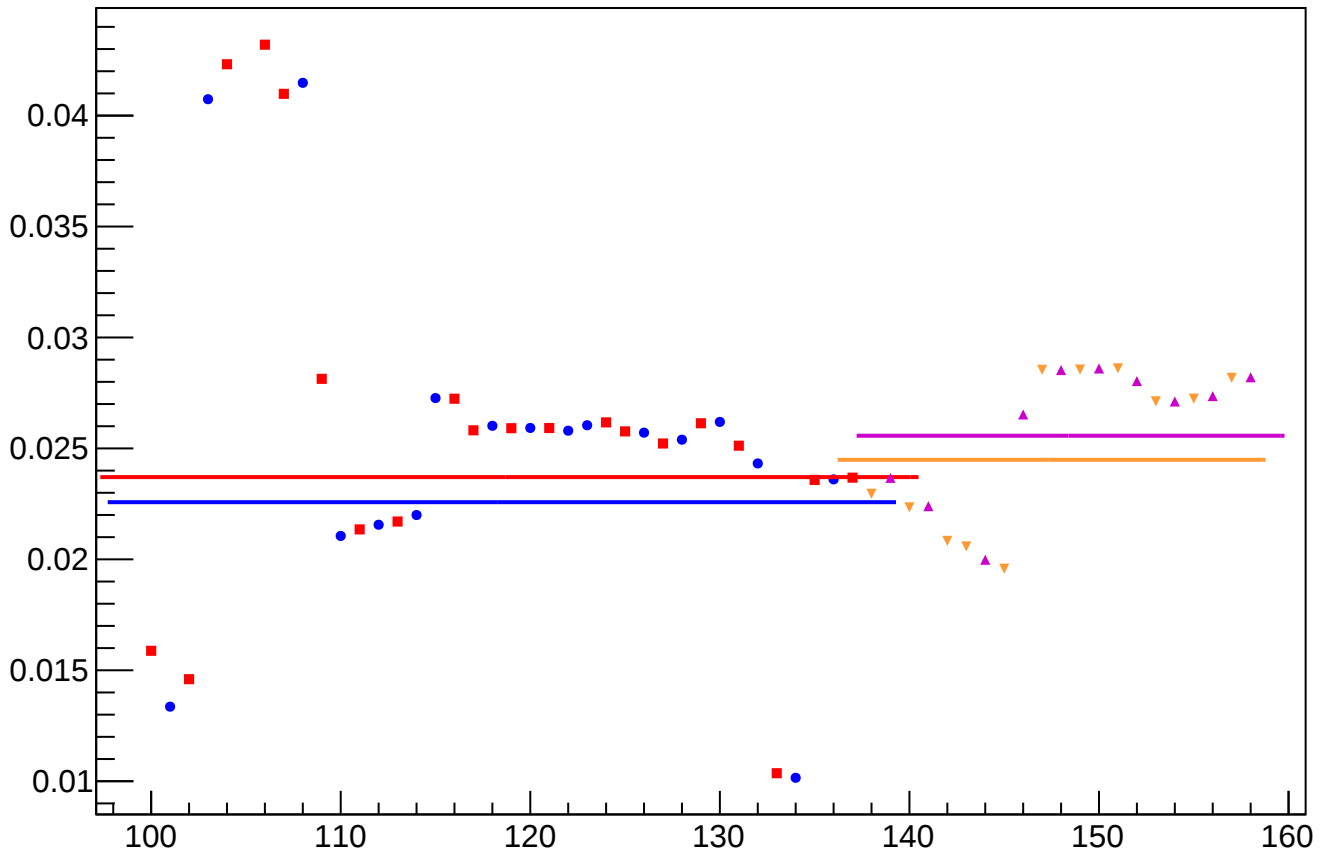
Left In: 0.000+/-0.000 χ^2/NDF : 49932.8/9

0.000+/-0.000 χ^2/NDF : 1066430.6/27

0.000+/-0.000 χ^2/NDF : 1444481.7/57

0.000+/-0.000 χ^2/NDF : 353907.3/29

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.023 $\pm$ 0.000 χ^2/NDF : 4247774712.9/16

Left Out: 0.024 $\pm$ 0.000 χ^2/NDF :1335632566.7/10

Right Out: 0.024 $\pm$ 0.000 χ^2/NDF : 5652505580.7/19

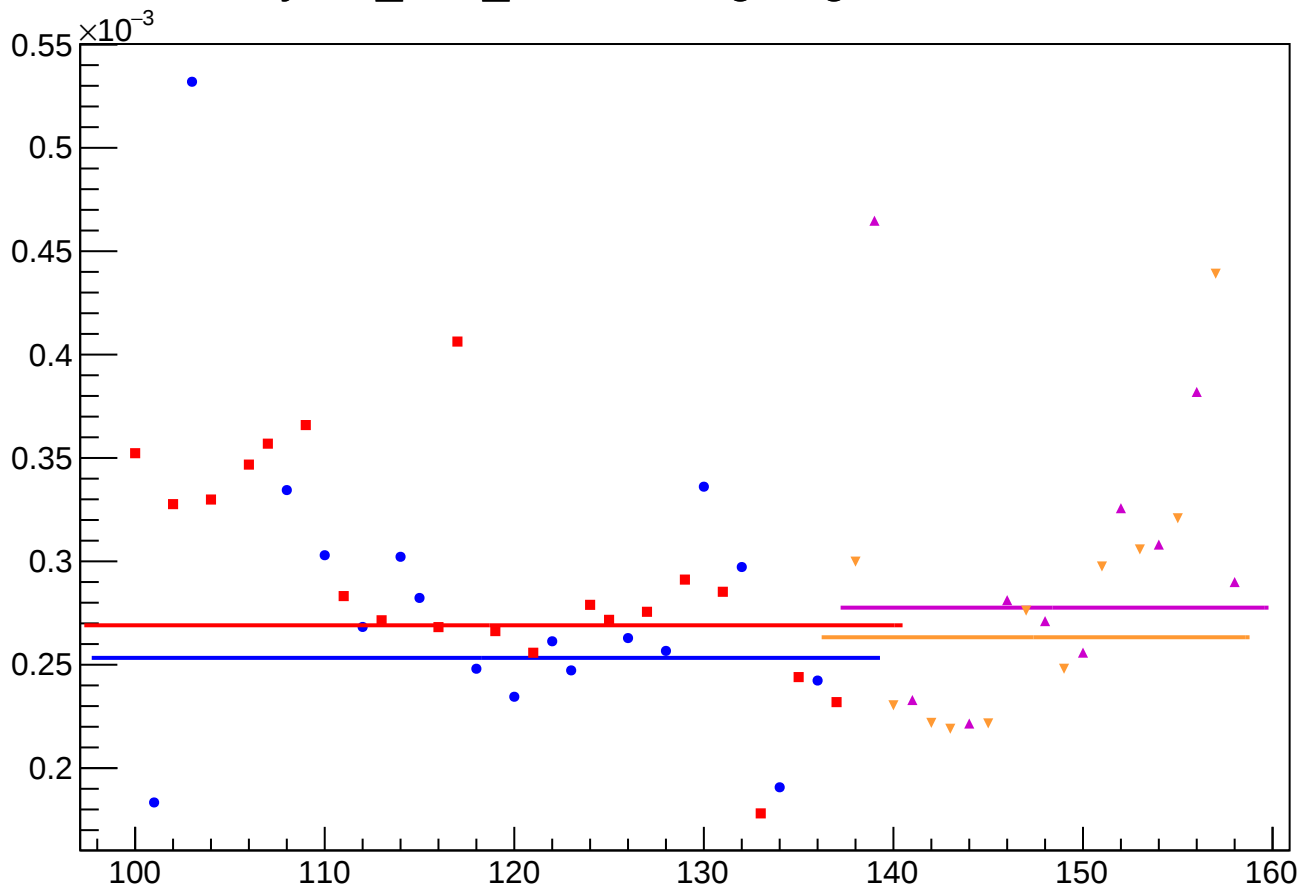
Left In: 0.026 $\pm$ 0.000 χ^2/NDF :1001361370.4/9

0.024 $\pm$ 0.000 χ^2/NDF : 5756951414.8/27

0.024 $\pm$ 0.000 χ^2/NDF : 12678358303.9/5

0.025 $\pm$ 0.000 χ^2/NDF : 6809524213.1/29

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 629159.2/16

Left Out: 0.000+/-0.000 χ^2/NDF : 463782.7/10

Right Out: 0.000+/-0.000 χ^2/NDF : 437710.5/19

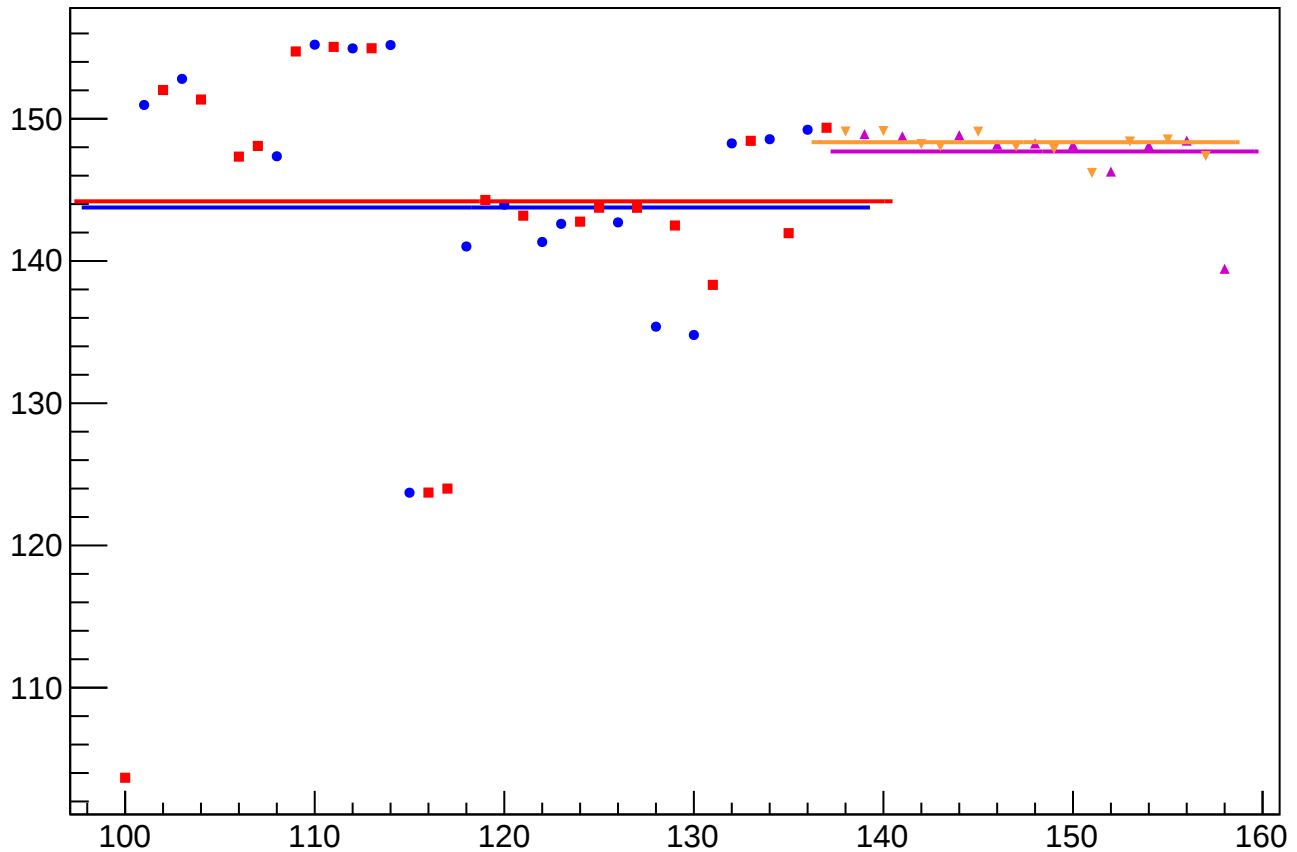
Left In: 0.000+/-0.000 χ^2/NDF : 548906.8/9

0.000+/-0.000 χ^2/NDF : 1102387.6/27

0.000+/-0.000 χ^2/NDF : 2136959.9/57

0.000+/-0.000 χ^2/NDF : 993136.1/29

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.763 $\pm$ 0.000 χ^2 /NDF: 3534699505.1/16

Left Out: 148.355 $\pm$ 0.000 χ^2 /NDF: 34934673.5/10

Right Out: 144.197 $\pm$ 0.000 χ^2 /NDF: 4523139755.0/19

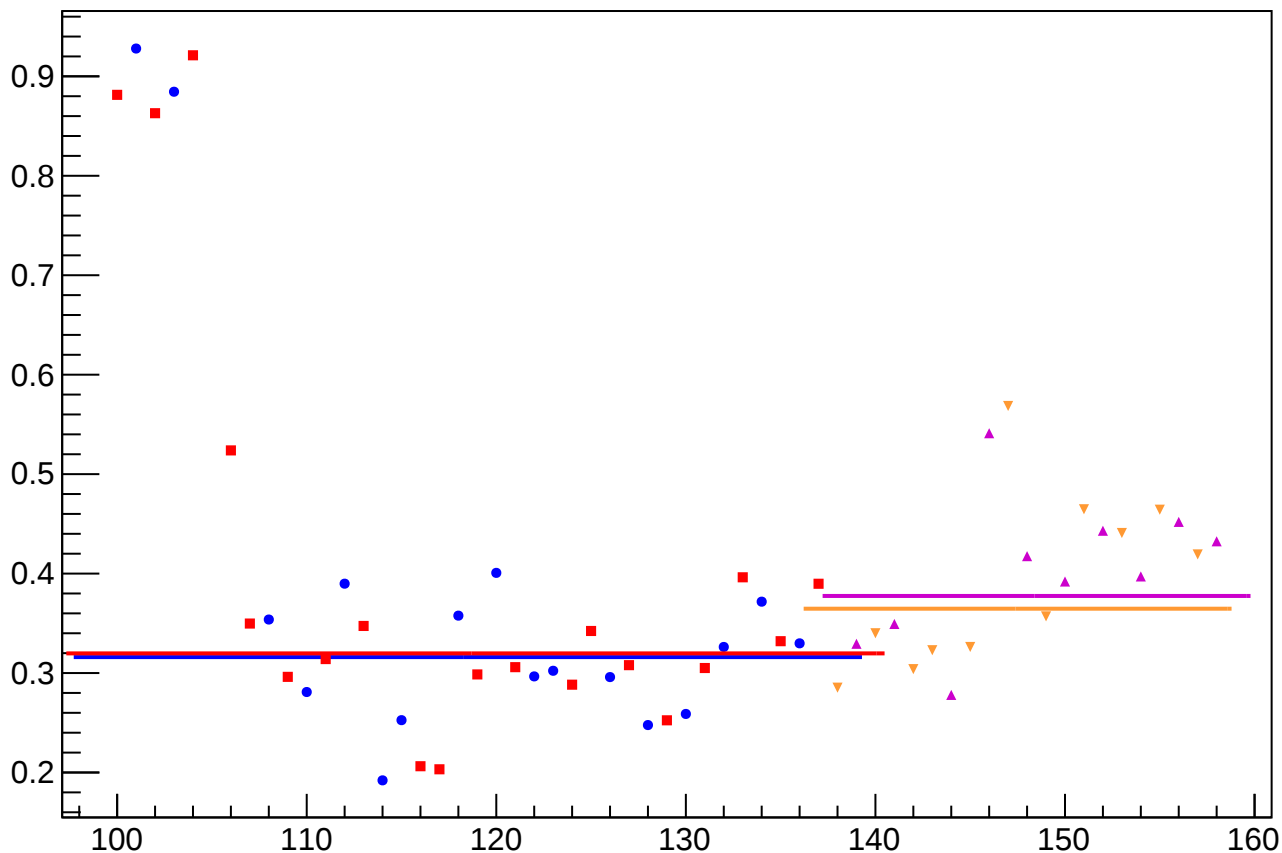
Left In: 147.701 $\pm$ 0.000 χ^2 /NDF: 318457129.9/9

146.072 $\pm$ 0.000 χ^2 /NDF: 4159412991.3/27

145.977 $\pm$ 0.000 χ^2 /NDF: 9342358417.8/

145.881 $\pm$ 0.000 χ^2 /NDF: 5180909994.0/29

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.316 $\pm$ 0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.365 $\pm$ 0.000 χ^2/NDF : 592881.1/10

Right Out: 0.320 $\pm$ 0.000 χ^2/NDF : 1241752.3/19

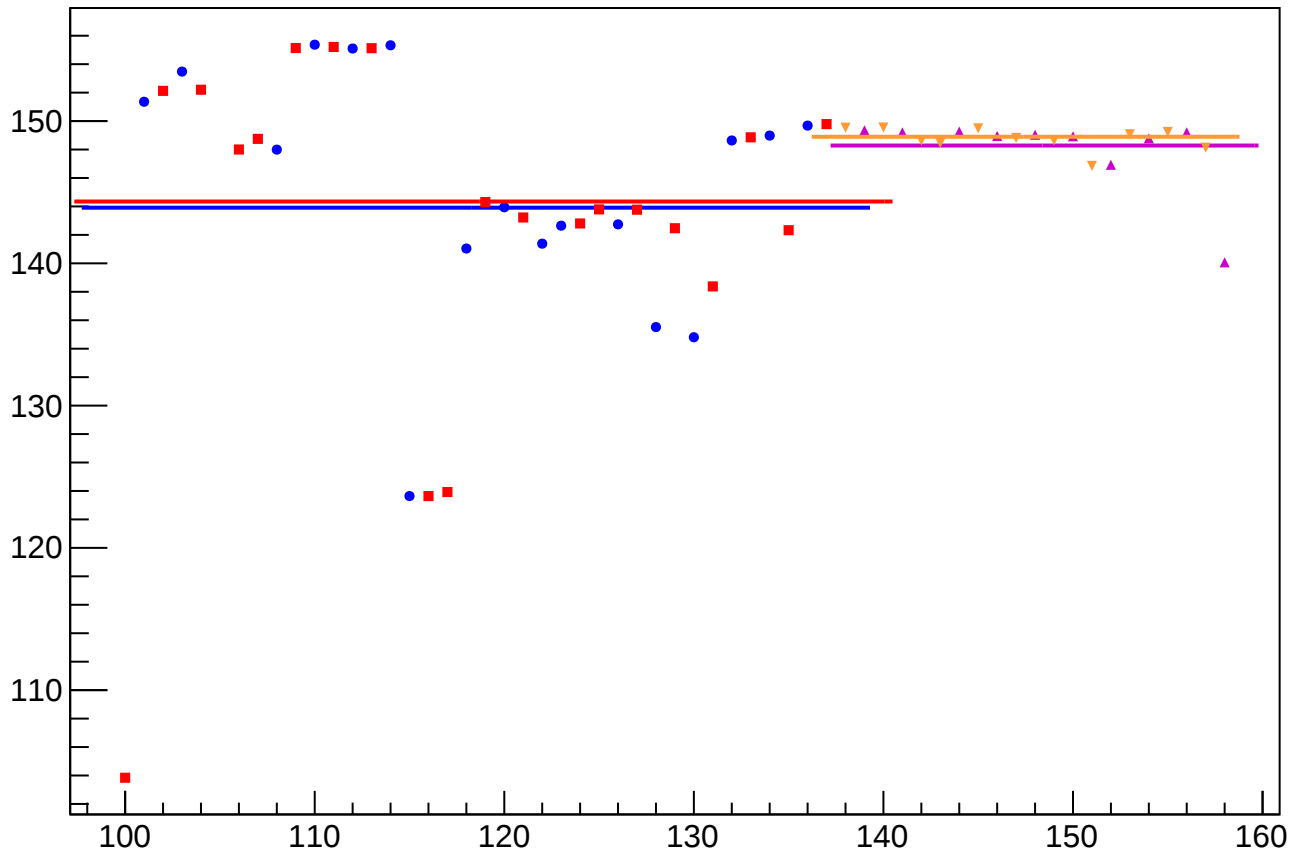
Left In: 0.378 $\pm$ 0.000 χ^2/NDF : 517803.9/9

0.341 $\pm$ 0.000 χ^2/NDF : 1991265.1/27

0.344 $\pm$ 0.000 χ^2/NDF : 3940646.7/57

0.348 $\pm$ 0.000 χ^2/NDF : 1943901.9/29

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



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

Right Out: 144.347 $\pm$ 0.000 χ^2/NDF : 4550581147.9/19

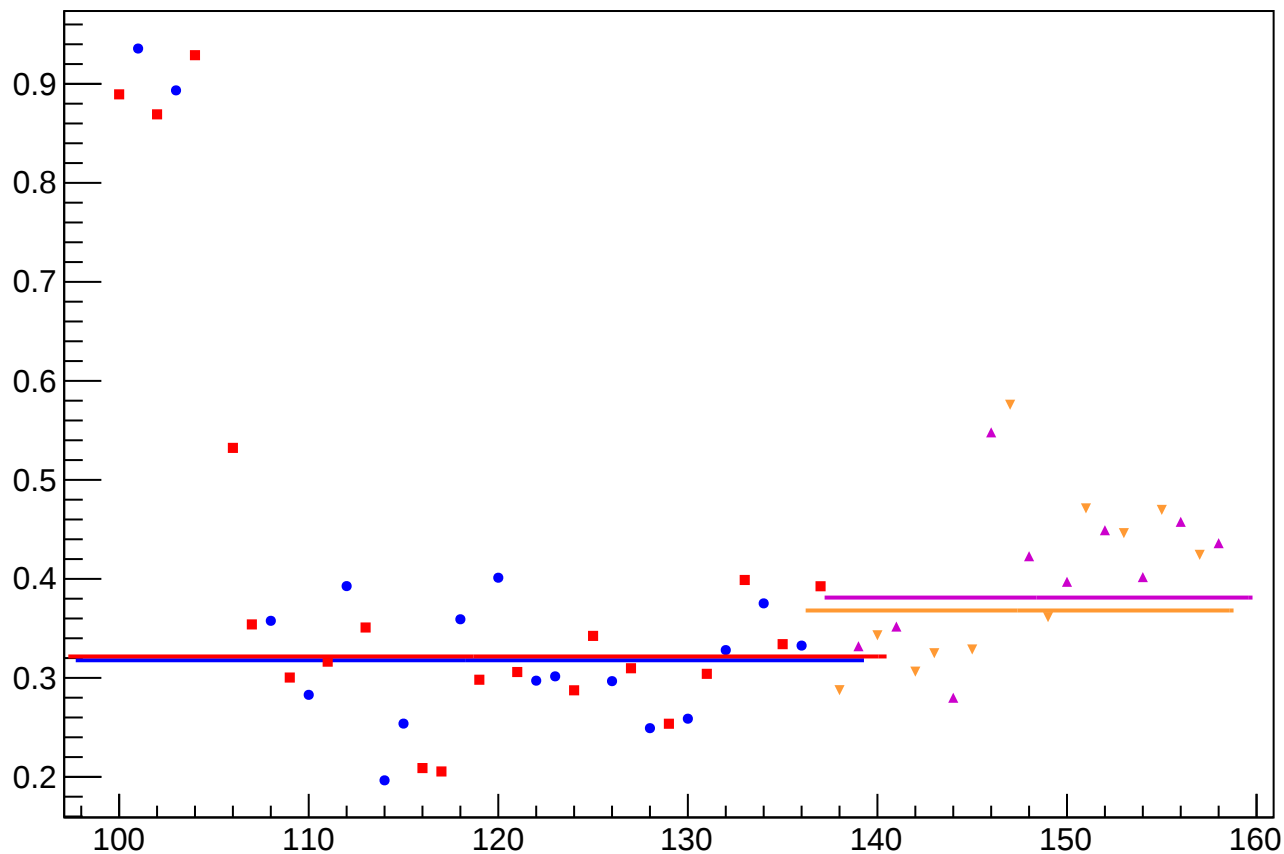
Left In: 148.281 $\pm$ 0.000 χ^2/NDF : 306349375.0/9

146.410 $\pm$ 0.000 χ^2/NDF : 4299898020.0/27

146.320 $\pm$ 0.000 χ^2/NDF : 9579634229.7/19

146.230 $\pm$ 0.000 χ^2/NDF : 5277963485.7/29

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.318 $\pm$ 0.000 χ^2/NDF : 1268257.9/16

Left Out: 0.368 $\pm$ 0.000 χ^2/NDF : 604697.2/10

Right Out: 0.322 $\pm$ 0.000 χ^2/NDF : 1244304.0/19

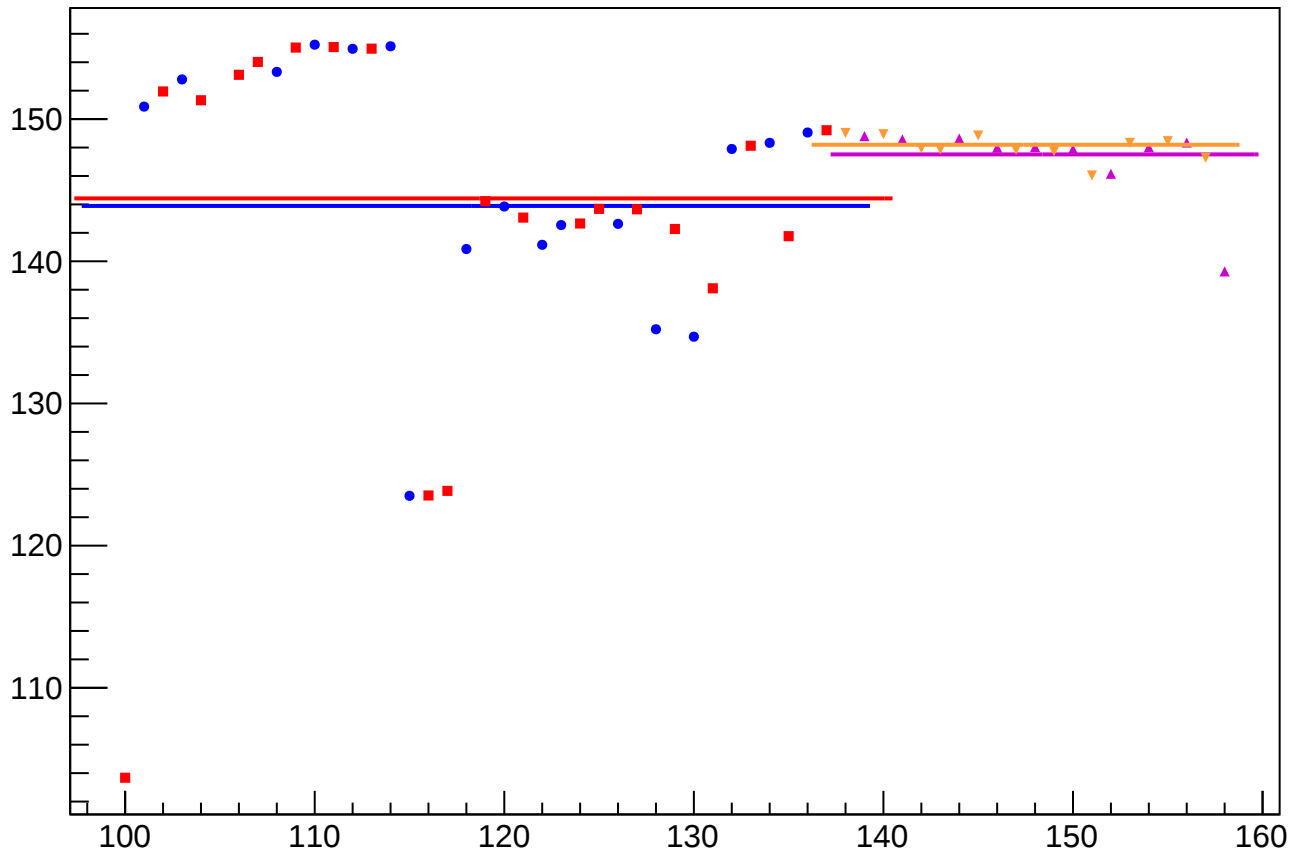
Left In: 0.381 $\pm$ 0.000 χ^2/NDF : 529500.4/9

0.343 $\pm$ 0.000 χ^2/NDF : 2012164.2/27

0.347 $\pm$ 0.000 χ^2/NDF : 3983994.4/57

0.350 $\pm$ 0.000 χ^2/NDF : 1966272.1/29

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.893 $\pm$ 0.000 χ^2 /NDF: 3752655677.2/16

Left Out: 148.195 $\pm$ 0.000 χ^2 /NDF: 34582723.3/10

Right Out: 144.423 $\pm$ 0.000 χ^2 /NDF: 4819194675.6/19

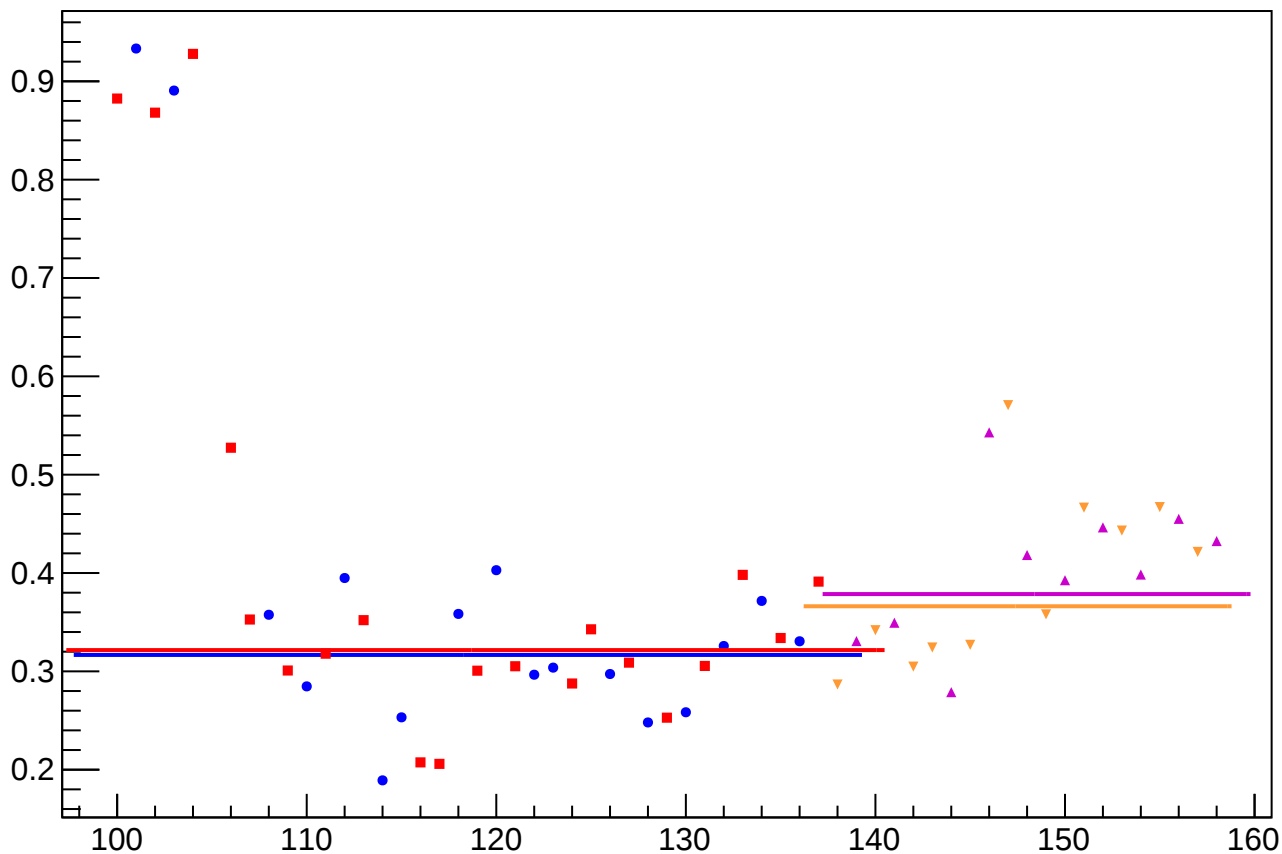
Left In: 147.517 $\pm$ 0.000 χ^2 /NDF: 316620057.7/9

146.054 $\pm$ 0.000 χ^2 /NDF: 4301113889.1/27

145.985 $\pm$ 0.000 χ^2 /NDF: 9700351317.6/

145.915 $\pm$ 0.000 χ^2 /NDF: 5398160162.9/29

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317 $\pm$ 0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.366 $\pm$ 0.000 χ^2/NDF : 594797.1/10

Right Out: 0.322 $\pm$ 0.000 χ^2/NDF : 1244671.1/19

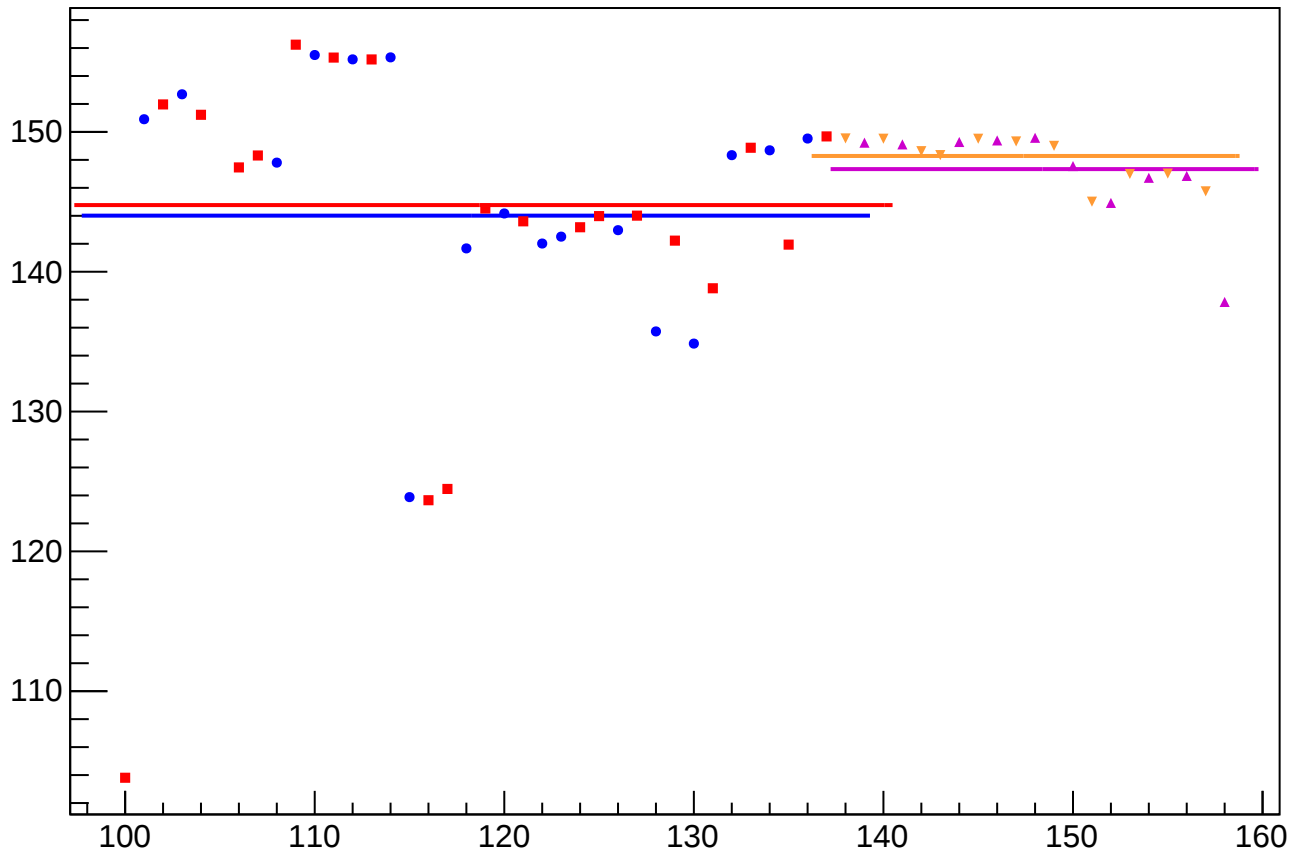
Left In: 0.379 $\pm$ 0.000 χ^2/NDF : 520635.1/9

0.342 $\pm$ 0.000 χ^2/NDF : 2011150.4/27

0.345 $\pm$ 0.000 χ^2/NDF : 3960594.2/57

0.349 $\pm$ 0.000 χ^2/NDF : 1943181.5/29

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.012 +/- 0.000 χ^2/NDF : 3241696920.3/16

Left Out: 148.280 +/- 0.000 χ^2/NDF : 109557625.7/10

Right Out: 144.767 +/- 0.000 χ^2/NDF : 4097482970.1/19

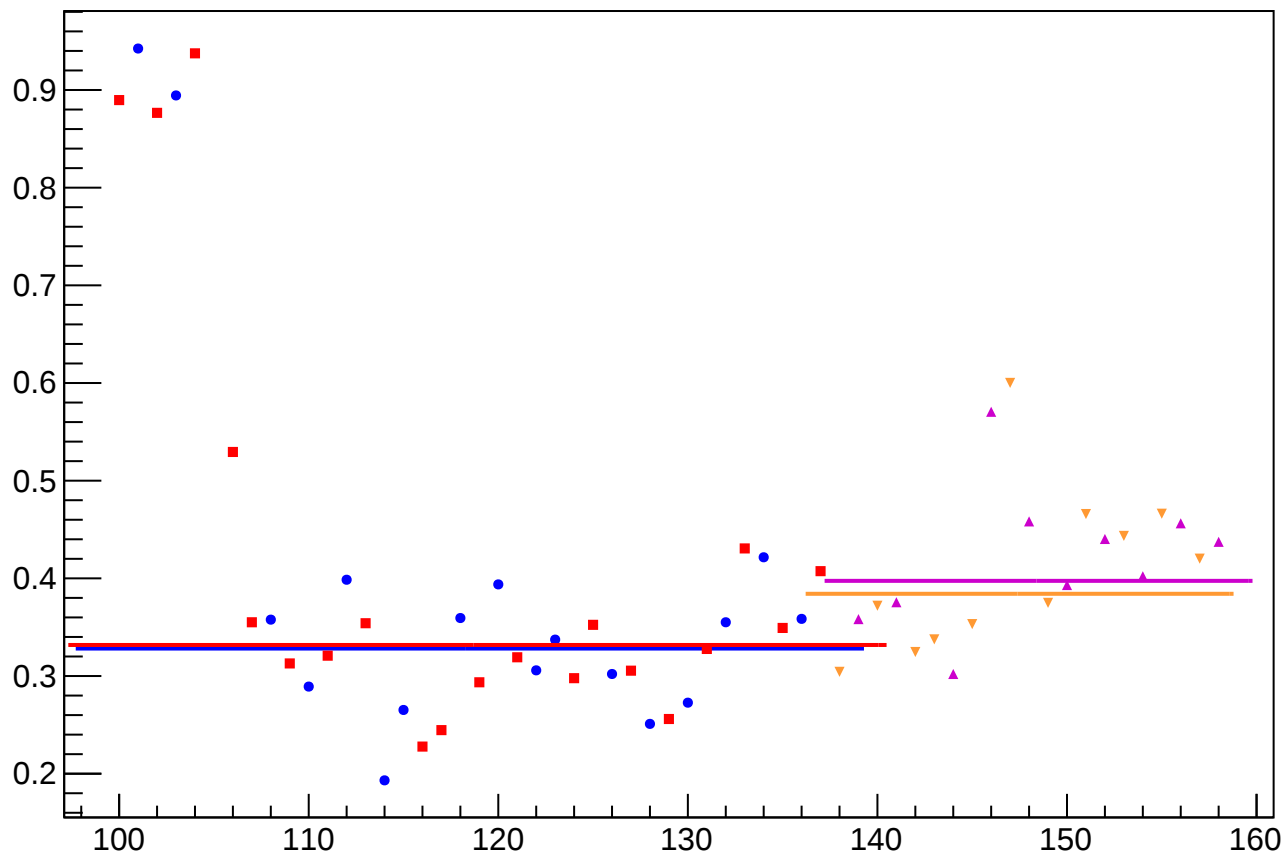
Left In: 147.341 +/- 0.000 χ^2/NDF : 479770957.8/9

146.134 +/- 0.000 χ^2/NDF : 3816125981.0/27

146.062 +/- 0.000 χ^2/NDF : 8562293581.9/27

145.989 +/- 0.000 χ^2/NDF : 4745086874.0/29

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.328 $\pm$ 0.000 χ^2/NDF : 1265892.9/16

Left Out: 0.384 $\pm$ 0.000 χ^2/NDF : 482612.0/10

Right Out: 0.332 $\pm$ 0.000 χ^2/NDF : 1194167.8/19

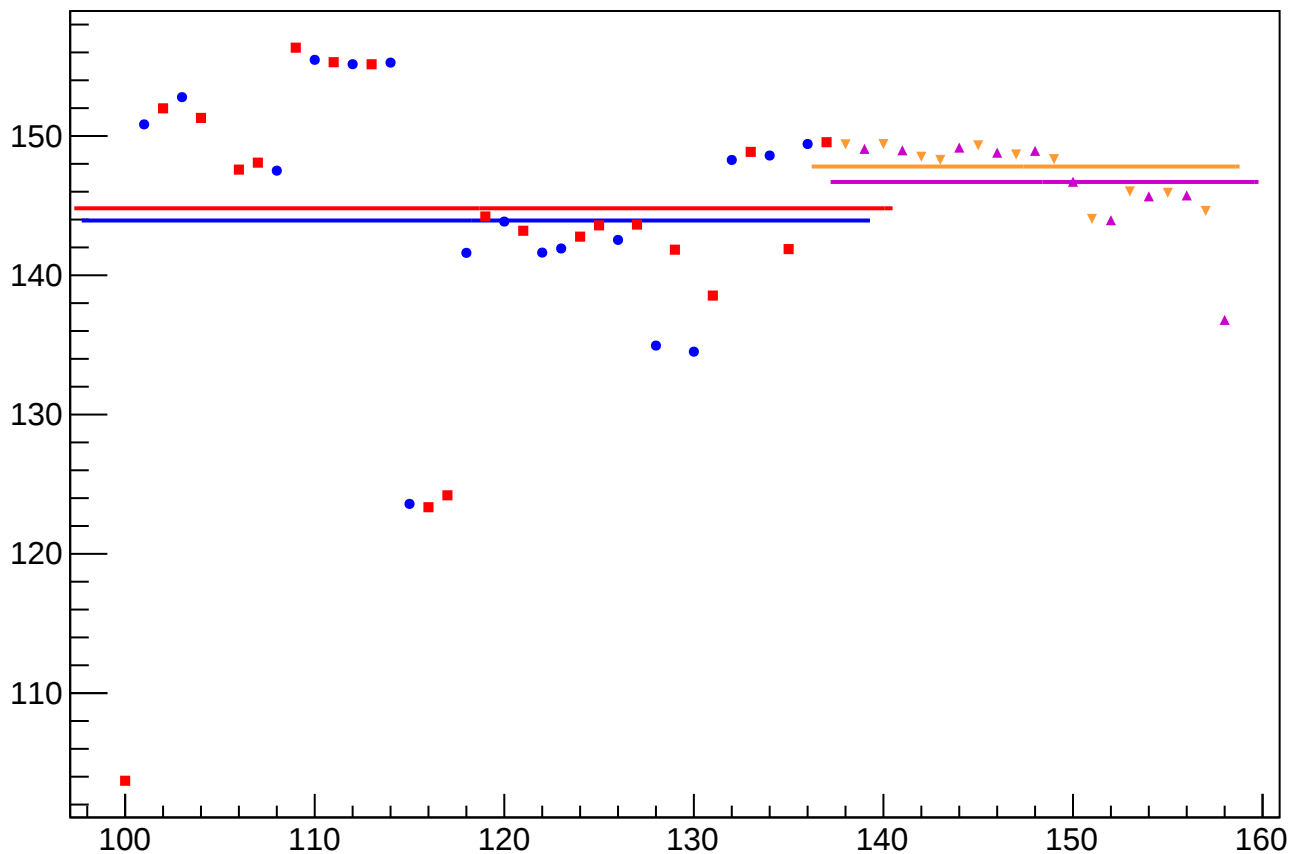
Left In: 0.397 $\pm$ 0.000 χ^2/NDF : 410300.7/9

0.356 $\pm$ 0.000 χ^2/NDF : 1908938.5/27

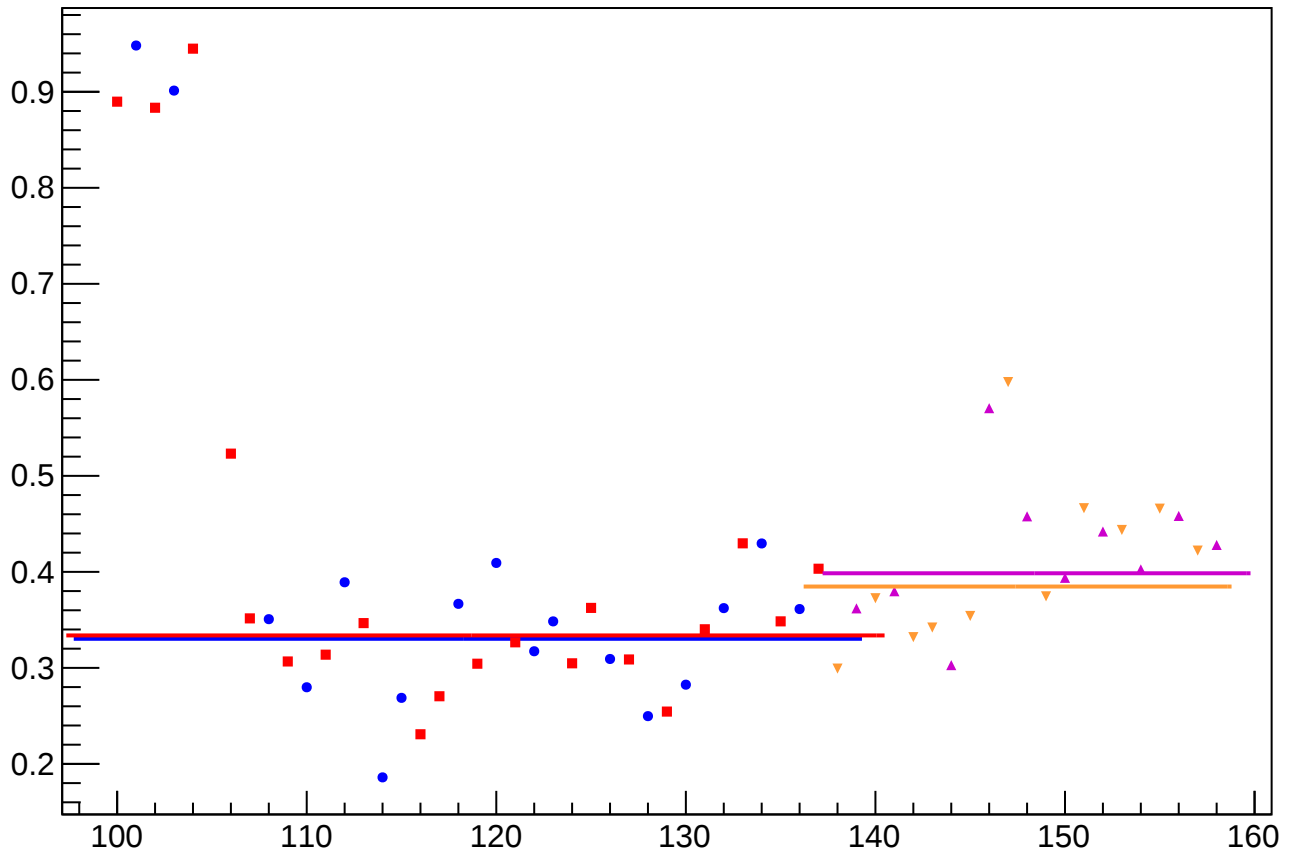
0.359 $\pm$ 0.000 χ^2/NDF : 3736813.4/57

0.363 $\pm$ 0.000 χ^2/NDF : 1822957.4/29

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.330 $\pm$ 0.000 χ^2/NDF : 1283955.7/16

Left Out: 0.385 $\pm$ 0.000 χ^2/NDF : 483178.4/10

Right Out: 0.334 $\pm$ 0.000 χ^2/NDF : 1177889.1/19

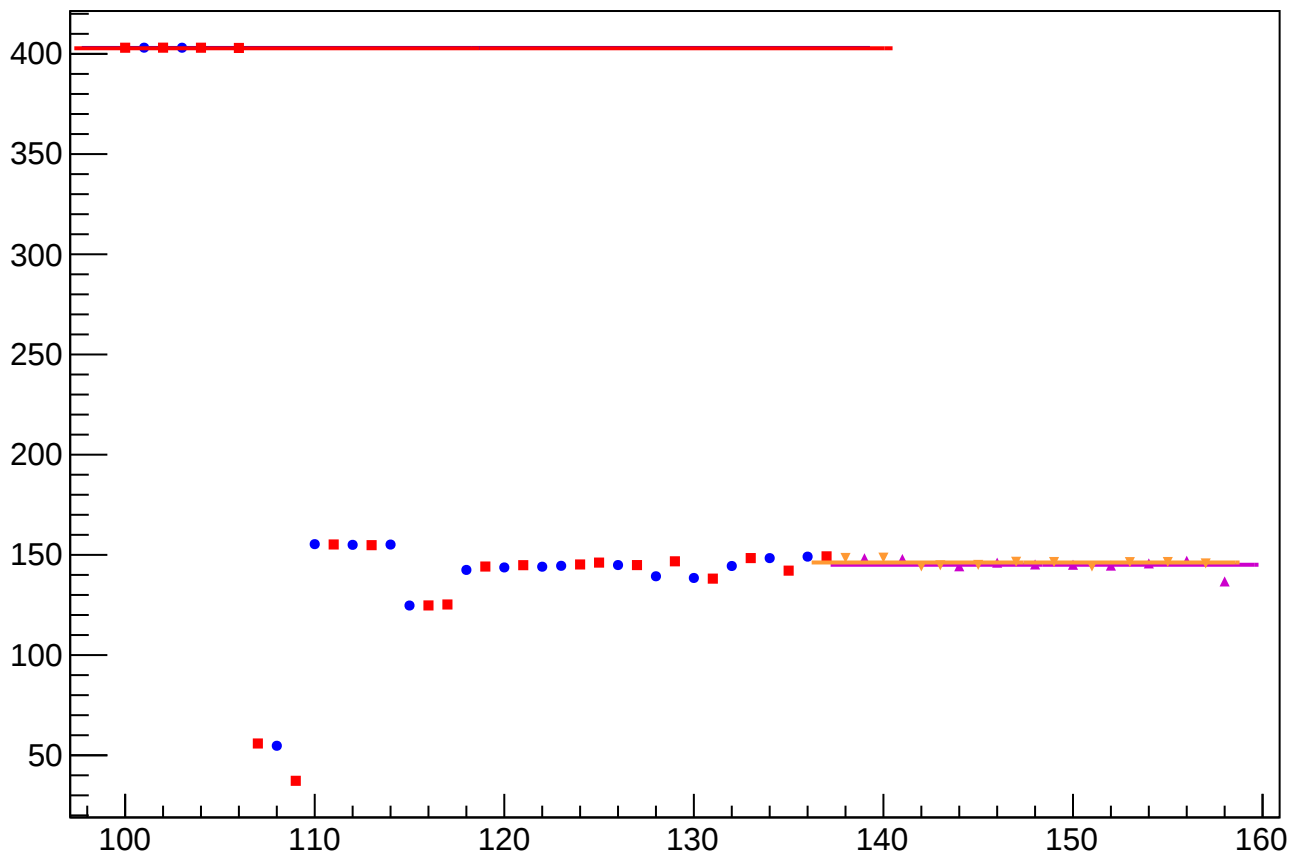
Left In: 0.399 $\pm$ 0.000 χ^2/NDF : 396904.1/9

0.358 $\pm$ 0.000 χ^2/NDF : 1916599.8/27

0.361 $\pm$ 0.000 χ^2/NDF : 3706790.8/57

0.365 $\pm$ 0.000 χ^2/NDF : 1785107.5/29

yield_cav4bQ_mean vs Slug, Sign Corrected



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

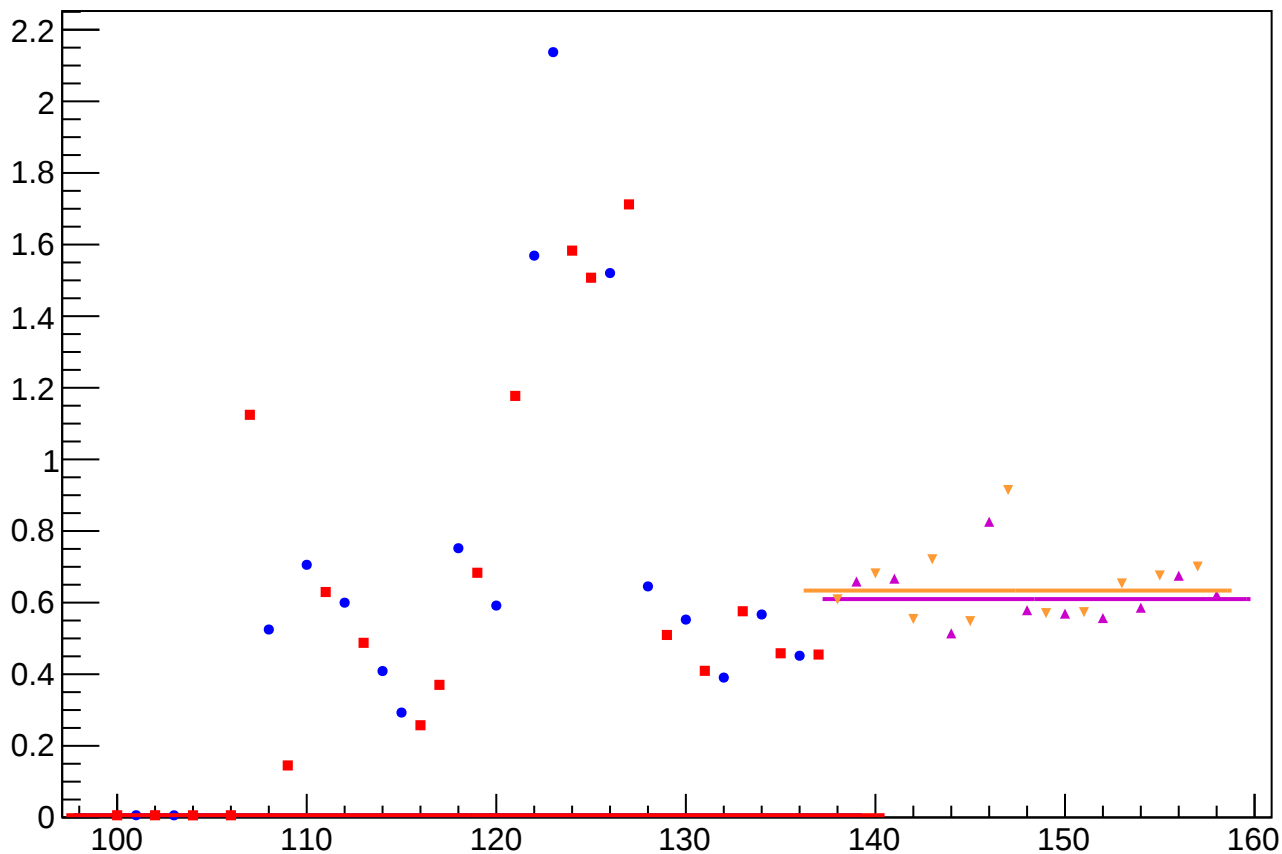
Left In: 145.071 +/- 0.000 χ^2/NDF : 125809903.6/9

402.850 +/- 0.000 χ^2/NDF : 1957281438425.5/27

402.766 +/- 0.000 χ^2/NDF : 603468106487

402.692 +/- 0.000 χ^2/NDF : 4076986381093.0/29

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006 $\pm$ 0.000 $\chi^2/\text{NDF}: 9079322.7/16$

Left Out: 0.634 $\pm$ 0.000 $\chi^2/\text{NDF}: 184264.0/10$

Right Out: 0.006 $\pm$ 0.000 $\chi^2/\text{NDF}: 9258244.0/19$

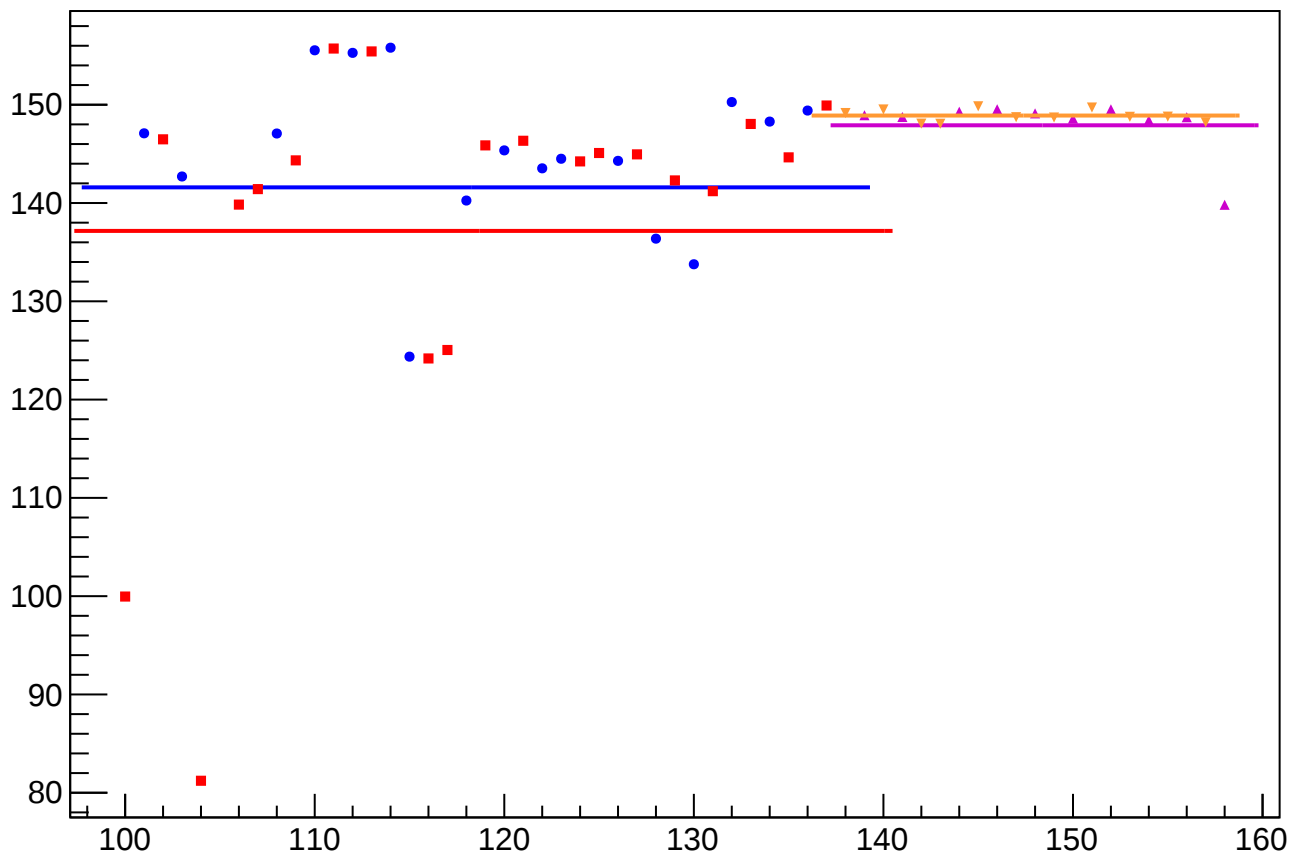
Left In: 0.610 $\pm$ 0.000 $\chi^2/\text{NDF}: 153343.6/9$

0.007 $\pm$ 0.000 $\chi^2/\text{NDF}: 19566490.6/27$

0.007 $\pm$ 0.000 $\chi^2/\text{NDF}: 39462651.5/57$

0.007 $\pm$ 0.000 $\chi^2/\text{NDF}: 19896140.2/29$

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.593 $\pm$ 0.000 χ^2 /NDF: 980101868.2/16

Left Out: 148.900 $\pm$ 0.000 χ^2 /NDF: 9924920.0/10

Right Out: 137.162 $\pm$ 0.000 χ^2 /NDF: 1366089515.6/19

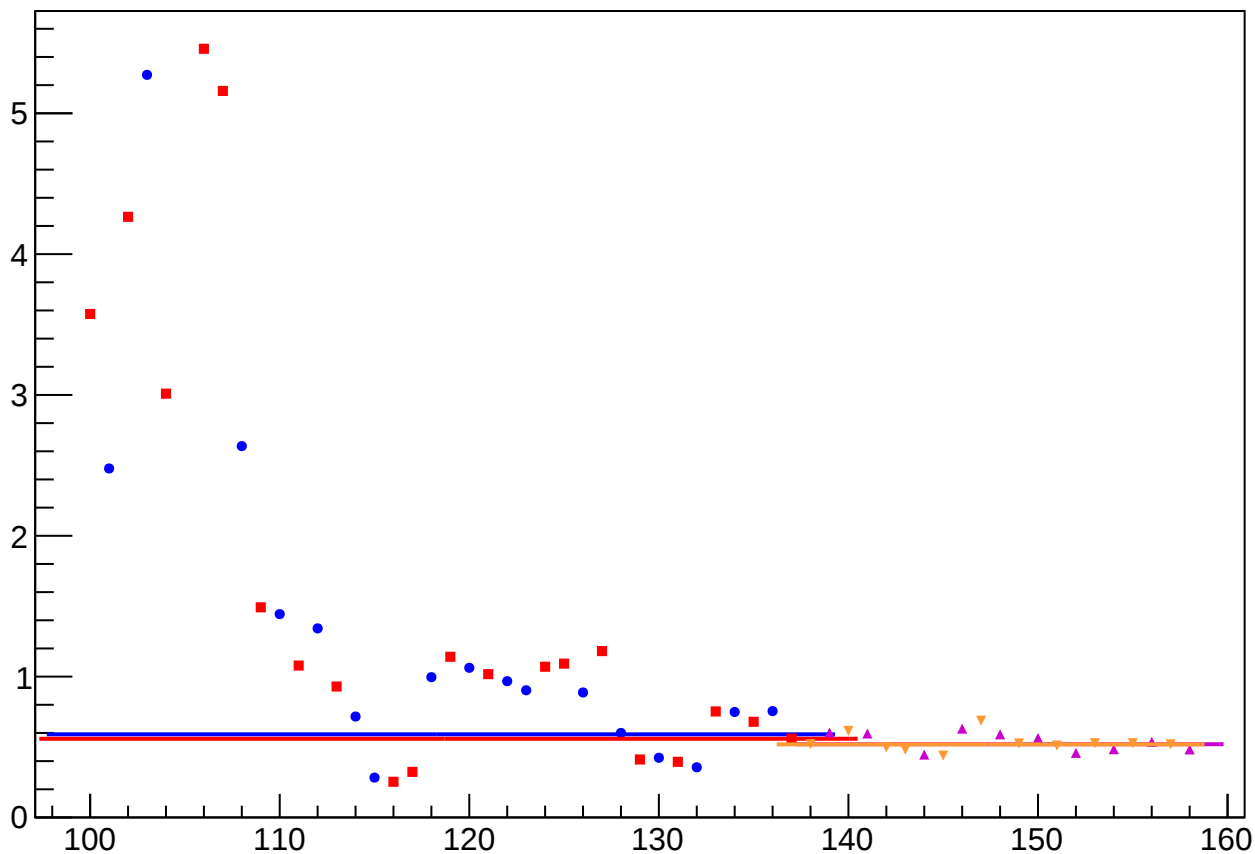
Left In: 147.908 $\pm$ 0.000 χ^2 /NDF: 233947522.4/9

146.831 $\pm$ 0.000 χ^2 /NDF: 1376332648.8/27

145.753 $\pm$ 0.000 χ^2 /NDF: 3945987076.9/

144.708 $\pm$ 0.000 χ^2 /NDF: 2488091390.4/29

yield_cav4cQ_rms vs Slug, Sign Corrected



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

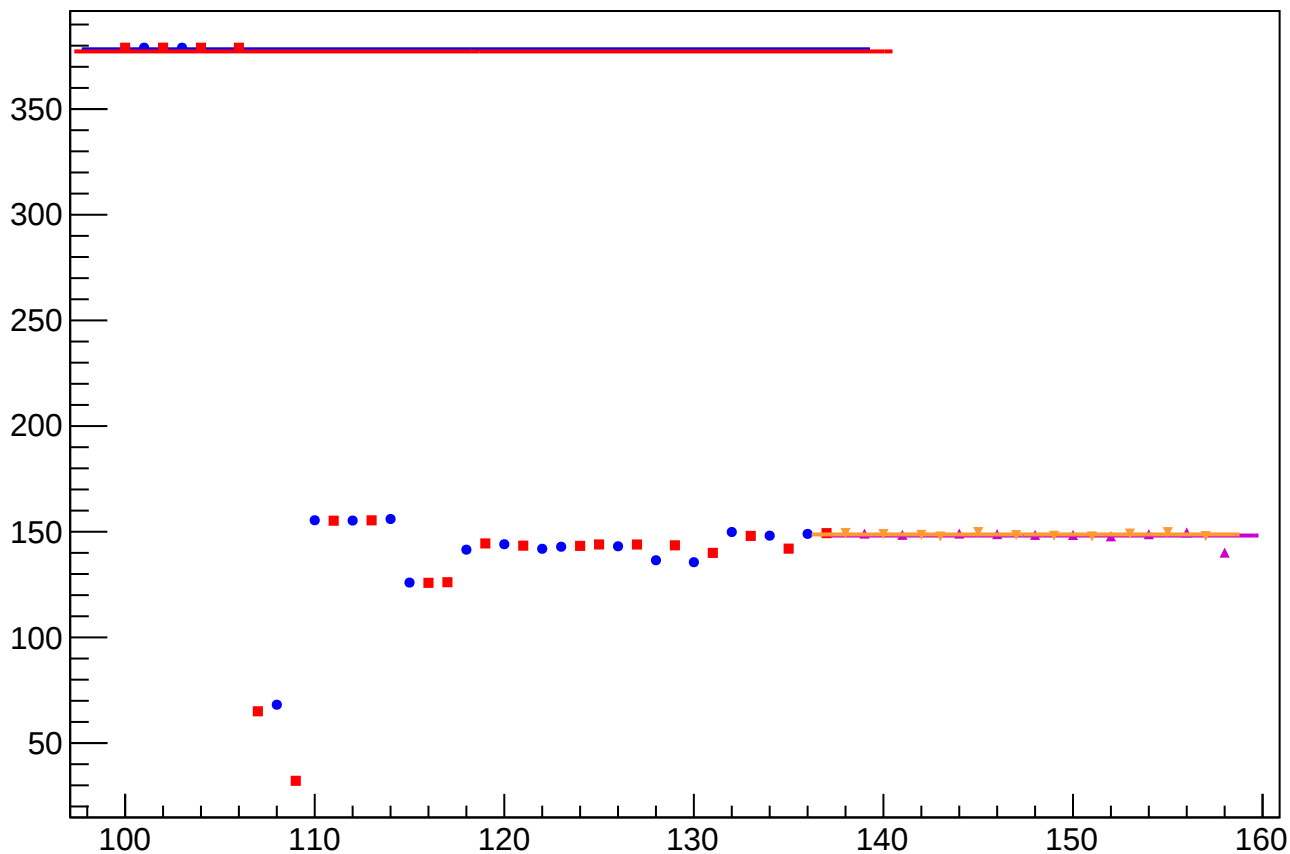
Left In: 0.520+/-0.000 χ^2/NDF : 198522.8/9

0.539+/-0.000 χ^2/NDF : 3729594.5/27

0.535+/-0.000 χ^2/NDF : 8674335.2/57

0.532+/-0.000 χ^2/NDF : 4942738.5/29

yield_cav4dQ_mean vs Slug, Sign Corrected



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

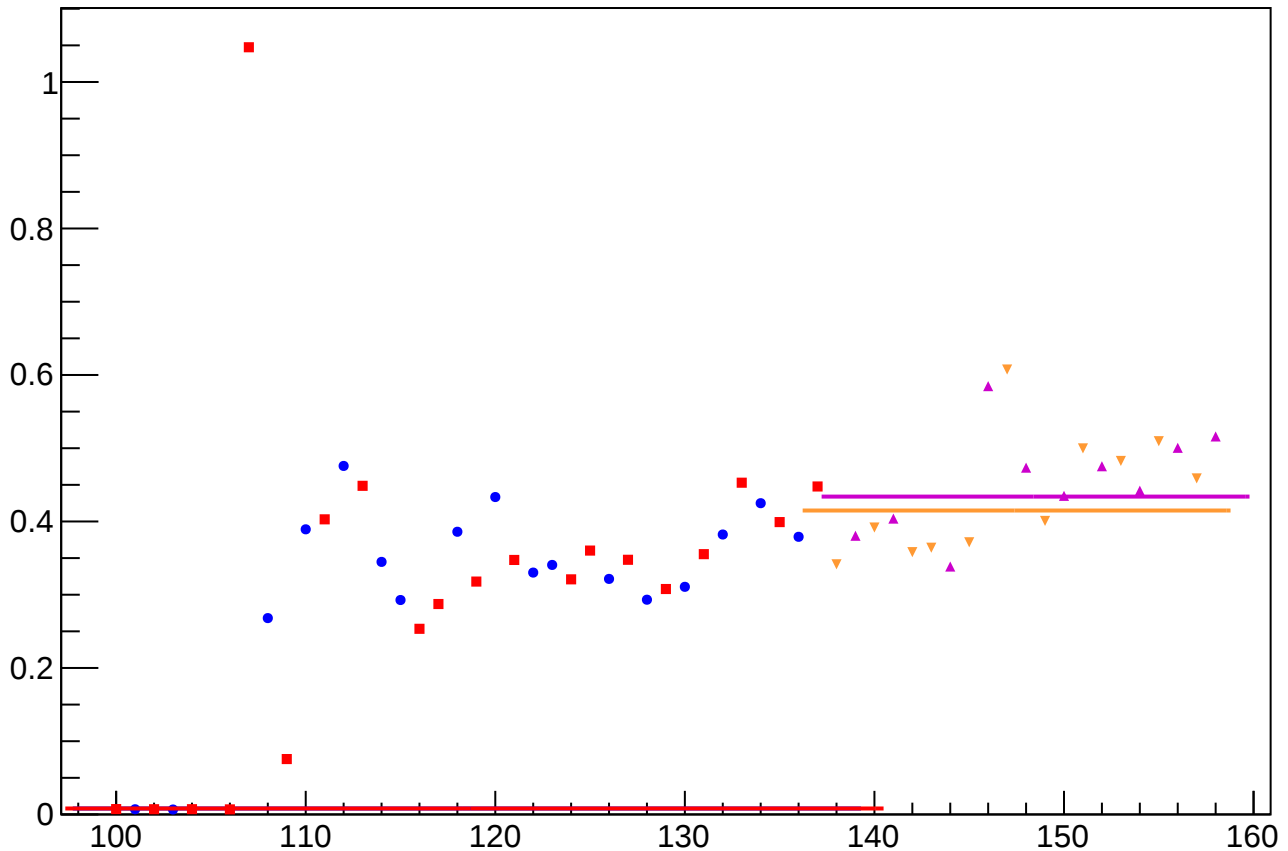
Left In: 148.202+/-0.000 χ^2 /NDF: 206756575.2/9

377.524+/-0.000 χ^2 /NDF: 4827908777615.8/27

377.066+/-0.000 χ^2 /NDF: 152890905392

376.664+/-0.000 χ^2 /NDF: 10455922017288.9/27

yield_cav4dQ_rms vs Slug, Sign Corrected



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

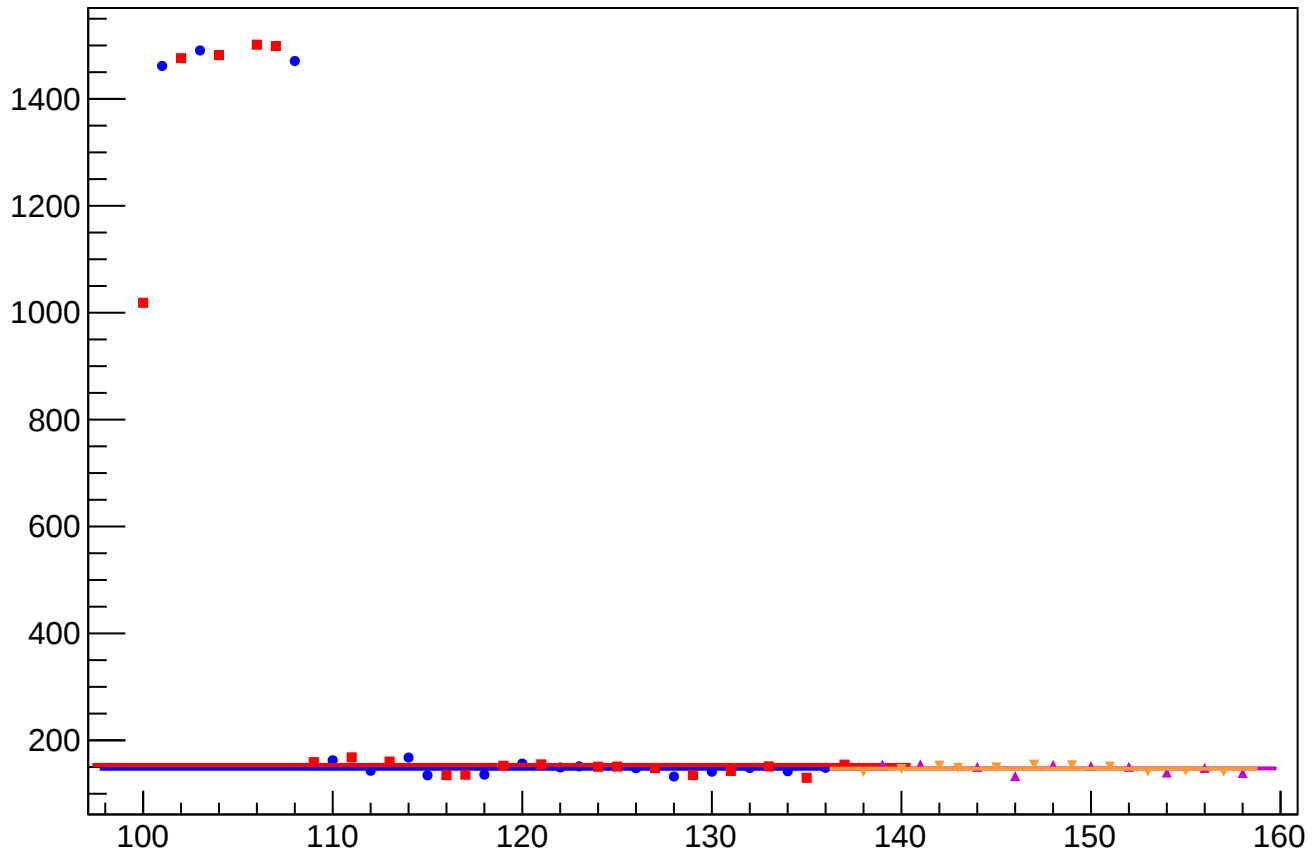
Left In: 0.434+/-0.000 χ^2/NDF : 364602.2/9

0.009+/-0.000 χ^2/NDF : 24805639.2/27

0.009+/-0.000 χ^2/NDF : 49565345.4/57

0.009+/-0.000 χ^2/NDF : 24759309.5/29

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.819+/-0.000 χ^2/NDF : 24360774977.7/16

Left Out: 146.975+/-0.000 χ^2/NDF : 206160489.2/10

Right Out: 153.832+/-0.000 χ^2/NDF : 33744235949.2/19

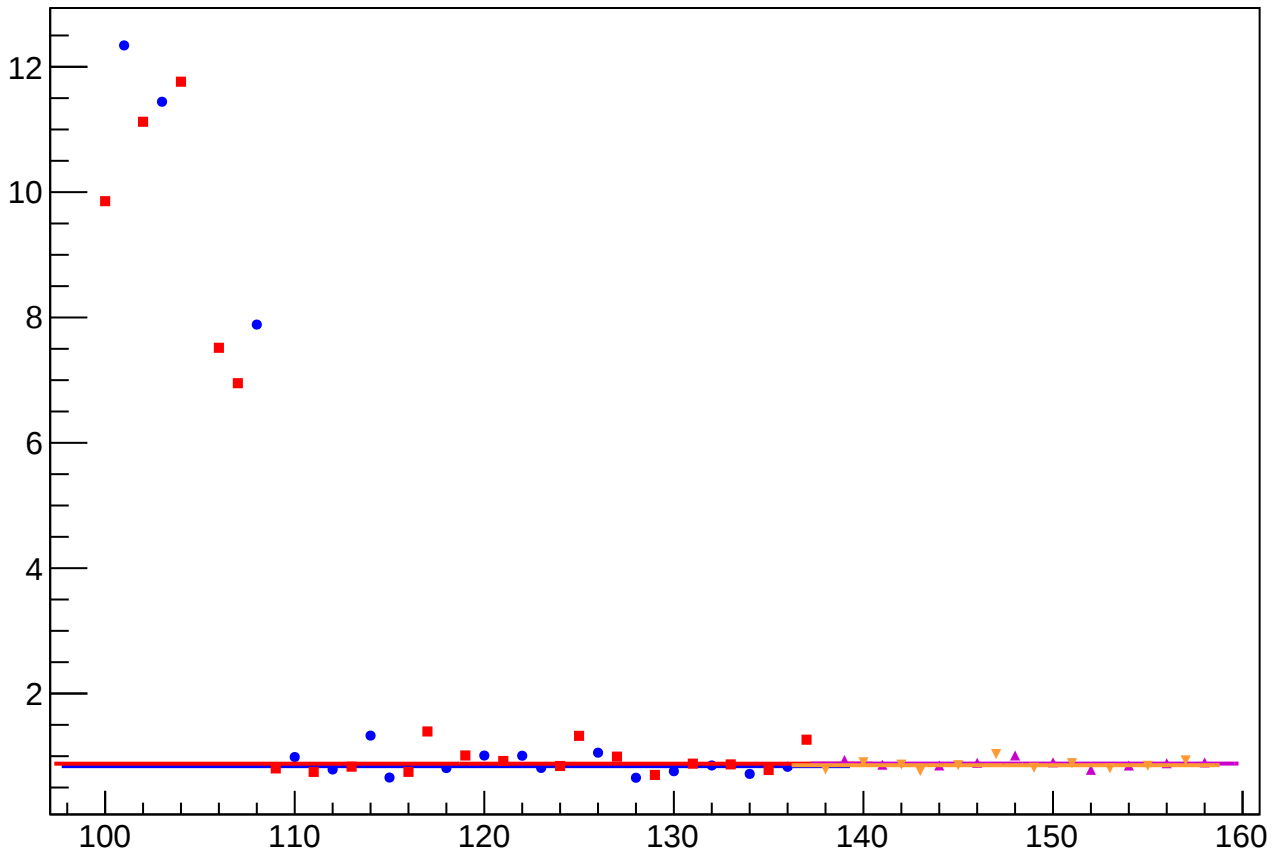
Left In: 147.431+/-0.000 χ^2/NDF : 430442769.6/9

146.915+/-0.000 χ^2/NDF : 24567014858.6/27

148.402+/-0.000 χ^2/NDF : 58936813439.9

149.909+/-0.000 χ^2/NDF : 34307962145.7/29

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.841 $\pm$ 0.000 χ^2 /NDF: 2662395.1/16

Left Out: 0.856 $\pm$ 0.000 χ^2 /NDF:82798.7/10

Right Out: 0.880 $\pm$ 0.000 χ^2 /NDF: 2825356.7/19

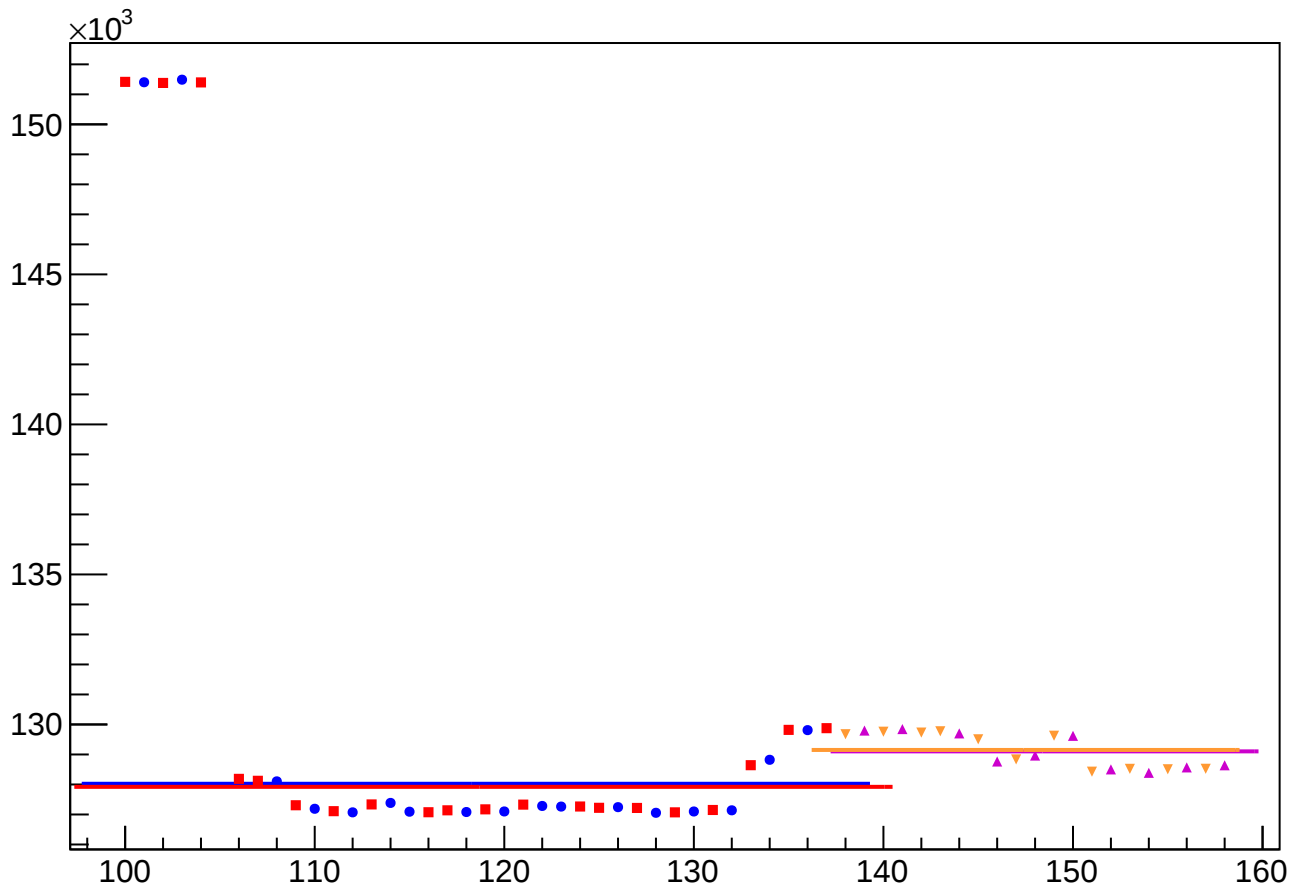
Left In: 0.882 $\pm$ 0.000 χ^2 /NDF:54773.9/9

0.850 $\pm$ 0.000 χ^2 /NDF: 2746597.0/27

0.866 $\pm$ 0.000 χ^2 /NDF: 5640092.2/57

0.881 $\pm$ 0.000 χ^2 /NDF: 2880148.9/29

yield_bpm2i01WS_mean vs Slug, Sign Corrected



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

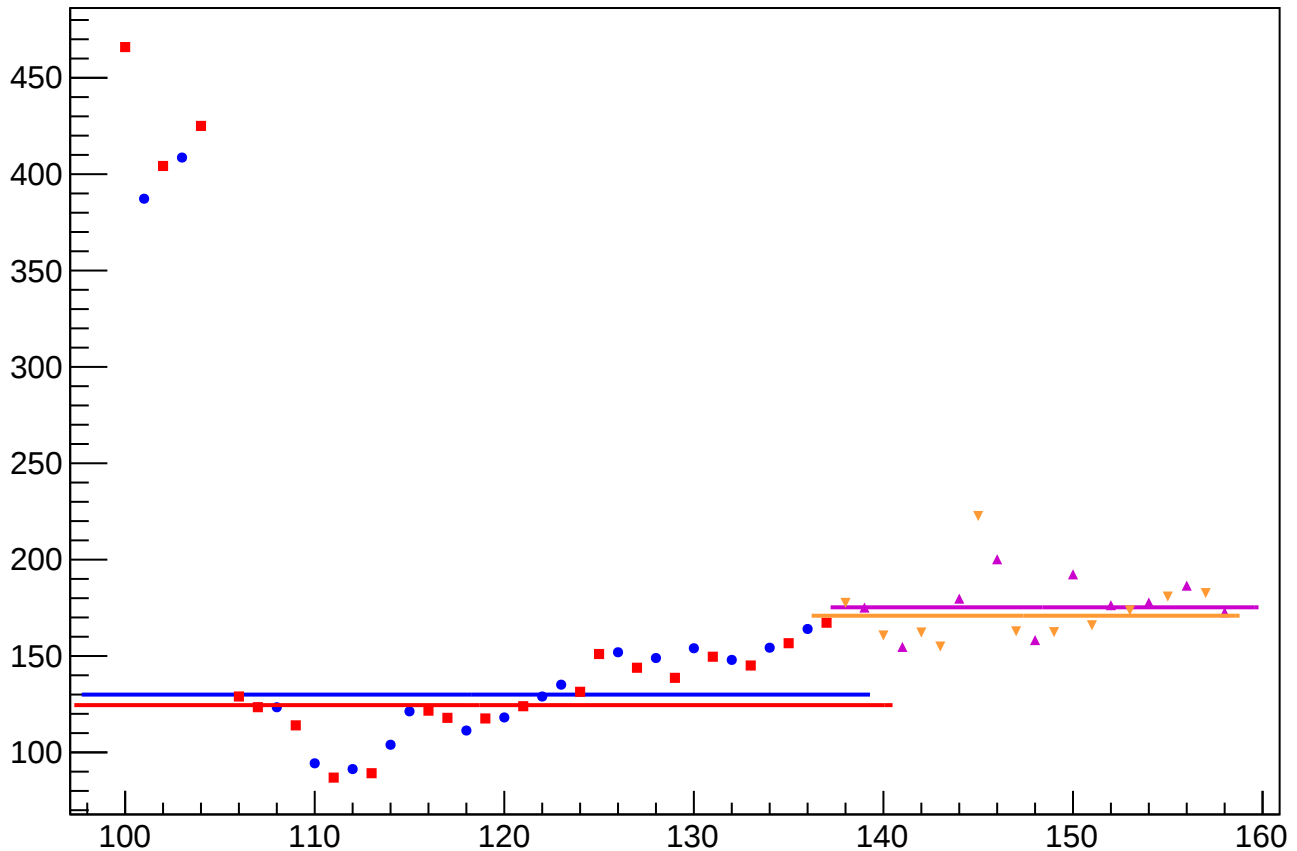
Left In: 129103.544 $\pm$ 0.062 χ^2/NDF : 84070757.4/9

128528.002 $\pm$ 0.041 χ^2/NDF : 4596842666.7/27

128456.497 $\pm$ 0.028 χ^2/NDF : 867615918

128390.410 $\pm$ 0.039 χ^2/NDF : 4073328821.2/29

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.980 +/- 0.039 χ^2/NDF : 1485519.5/16

Left Out: 170.911 +/- 0.043 χ^2/NDF : 128299.7/10

Right Out: 124.514 +/- 0.035 χ^2/NDF : 1531546.7/19

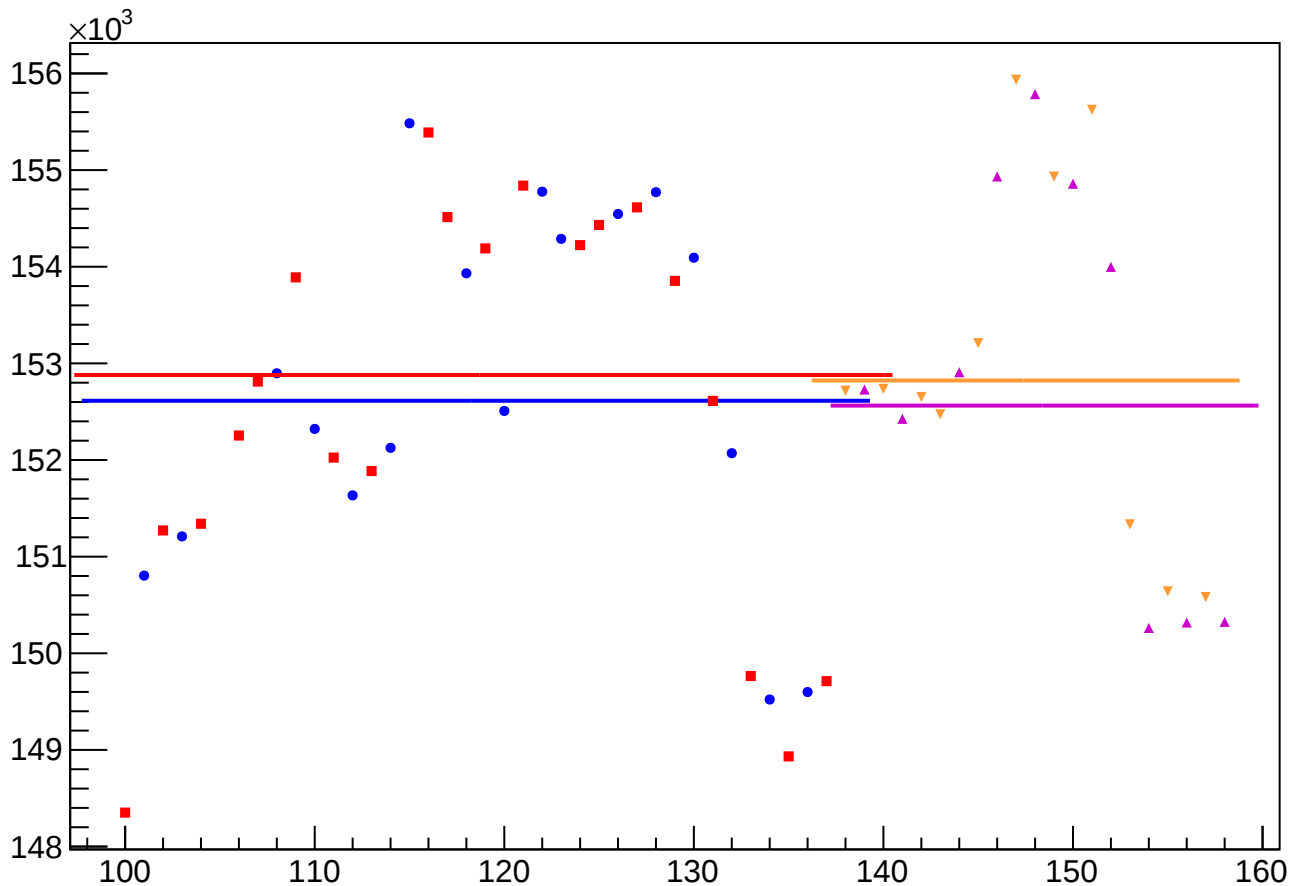
Left In: 175.268 +/- 0.044 χ^2/NDF : 93255.0/9

148.300 +/- 0.029 χ^2/NDF : 2118030.5/27

146.405 +/- 0.020 χ^2/NDF : 4563237.7/57

144.653 +/- 0.028 χ^2/NDF : 2436794.8/29

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152613.122 ± 0.072 $\chi^2/\text{NDF}: 623356098.4/16$

Left Out: 152822.885 ± 0.068 $\chi^2/\text{NDF}: 600682312.7/10$

Right Out: 152879.455 ± 0.066 $\chi^2/\text{NDF}: 717907168.5/19$

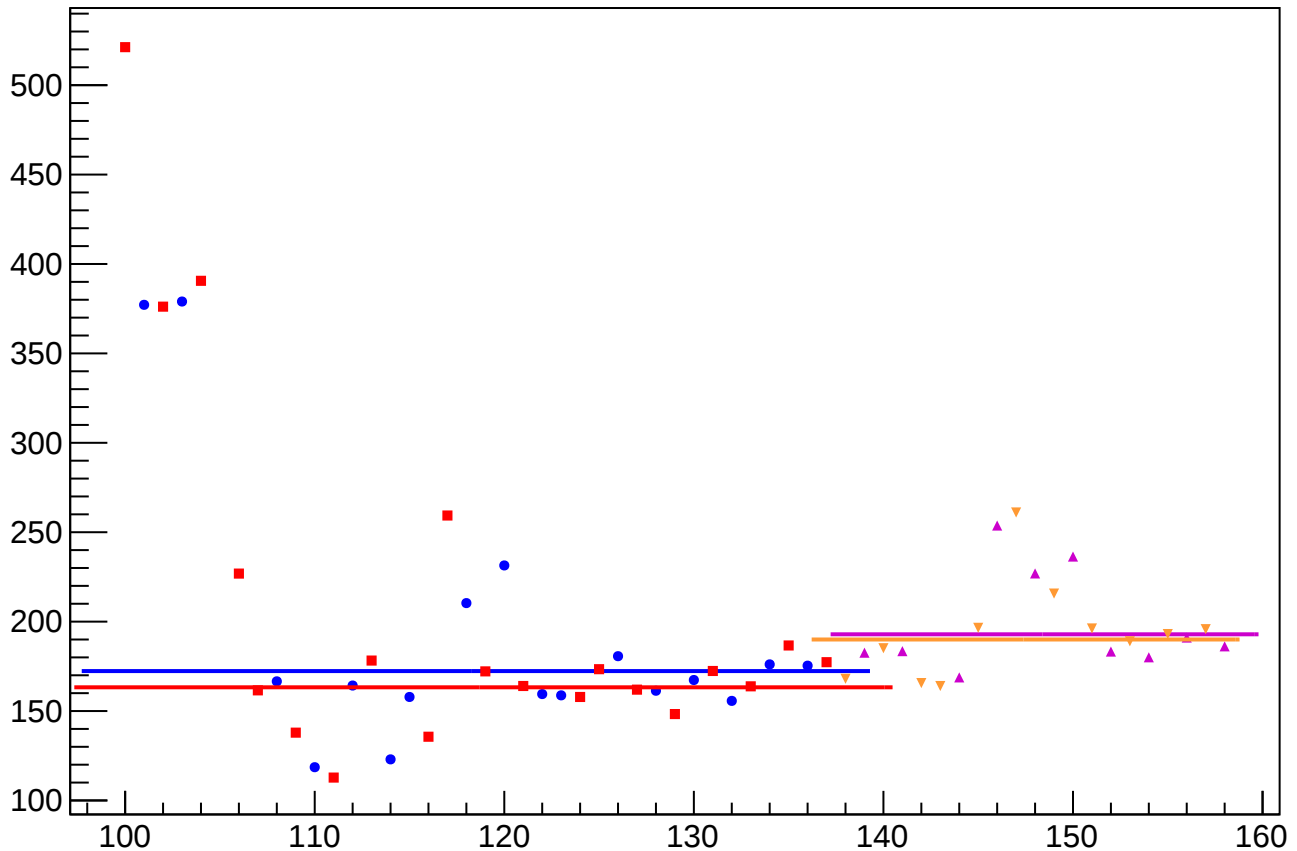
Left In: 152563.167 ± 0.069 $\chi^2/\text{NDF}: 718787229.9/9$

152724.700 ± 0.049 $\chi^2/\text{NDF}: 1228520028.8/27$

152725.965 ± 0.034 $\chi^2/\text{NDF}: 267623774$

152727.137 ± 0.048 $\chi^2/\text{NDF}: 1447716455.7/29$

yield_bpm0i07WS_rms vs Slug, Sign Corrected



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

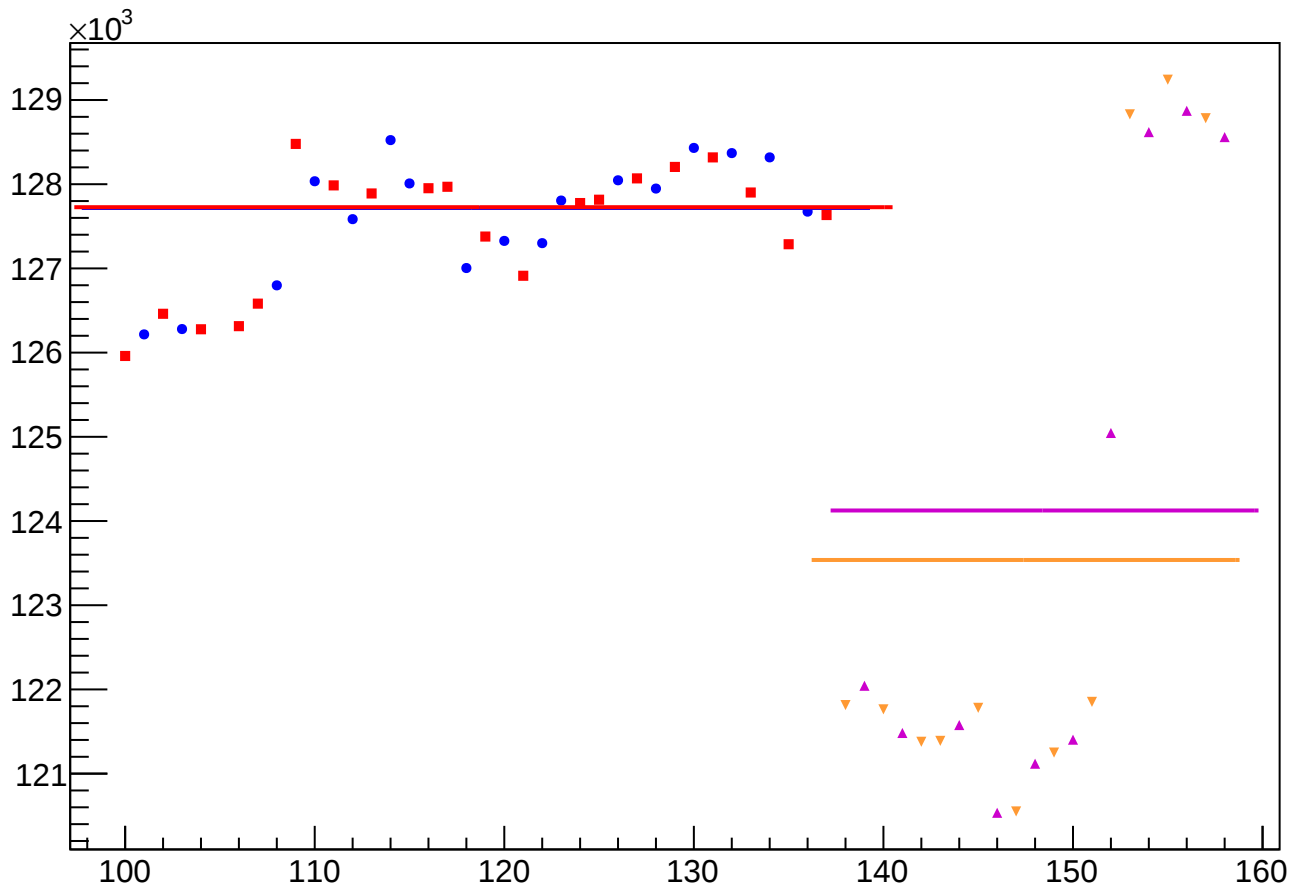
Left In: 192.915+/-0.049 χ^2/NDF : 242086.2/9

181.744+/-0.035 χ^2/NDF : 1204266.8/27

179.567+/-0.024 χ^2/NDF : 2690887.7/57

177.548+/-0.034 χ^2/NDF : 1479146.1/29

yield_bpm0l01WS_mean vs Slug, Sign Corrected



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

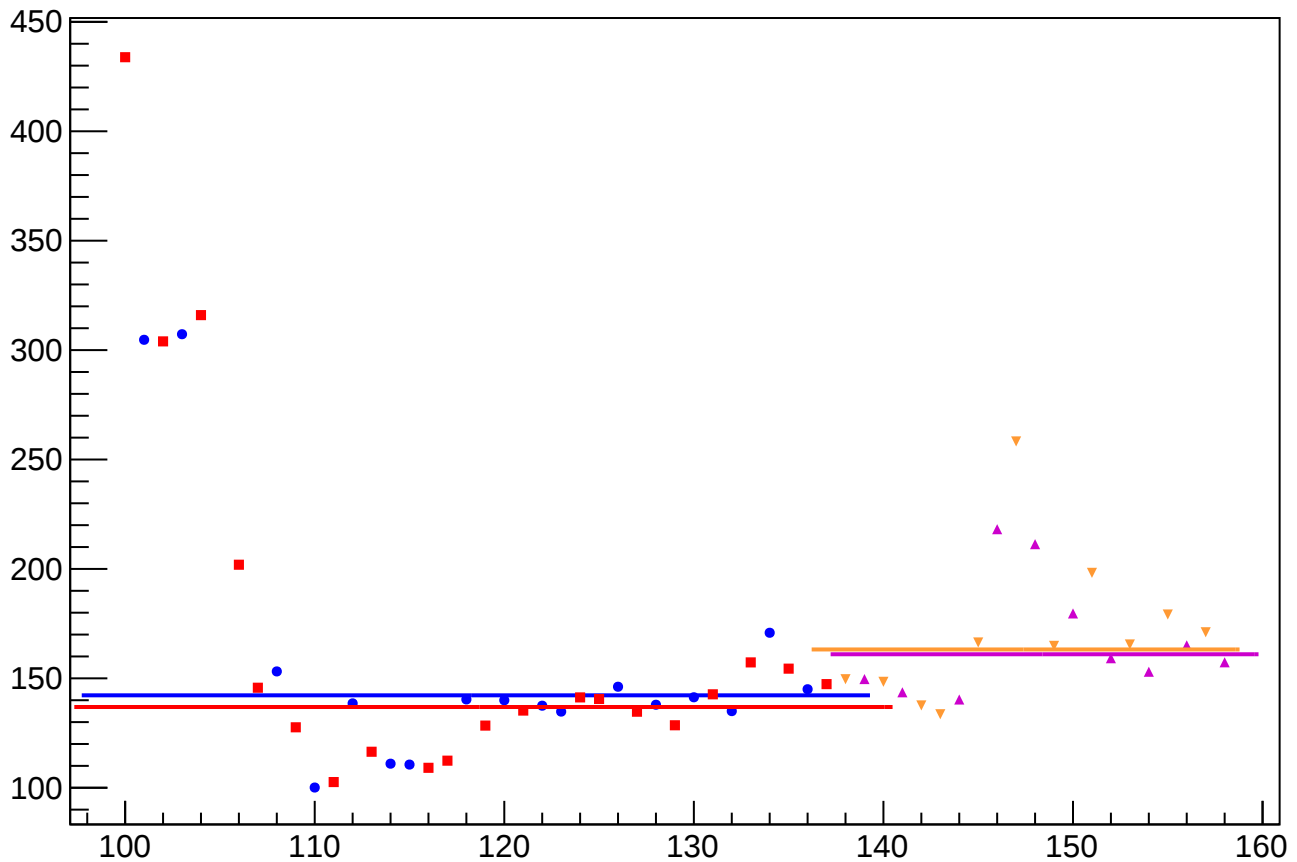
Left In: 124125.076 $\pm$ 0.058 χ^2 /NDF: 3253644707.3/9

125652.243 $\pm$ 0.041 χ^2 /NDF: 5762524908.0/27

125852.556 $\pm$ 0.029 χ^2 /NDF: 112450444

126034.387 $\pm$ 0.039 χ^2 /NDF: 5437977301.1/29

yield_bpm0l01WS_rms vs Slug, Sign Corrected



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

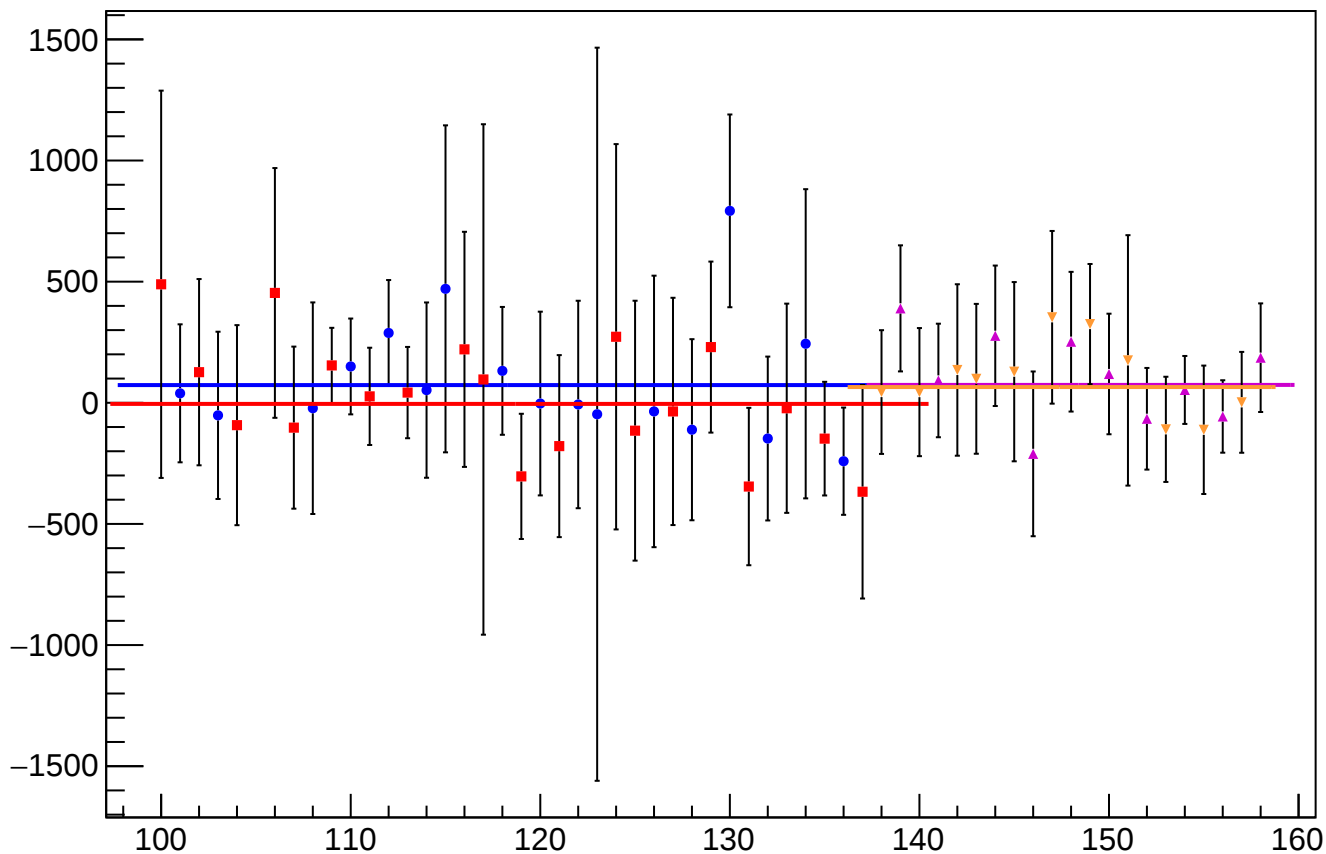
Left In: 161.005 +/- 0.041 χ^2/NDF : 287668.6/9

152.597 +/- 0.029 χ^2/NDF : 1355345.1/27

150.307 +/- 0.020 χ^2/NDF : 2802012.5/57

148.229 +/- 0.028 χ^2/NDF : 1435031.8/29

asym_bcm_an_ds_mean vs Slug, Sign Corrected



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

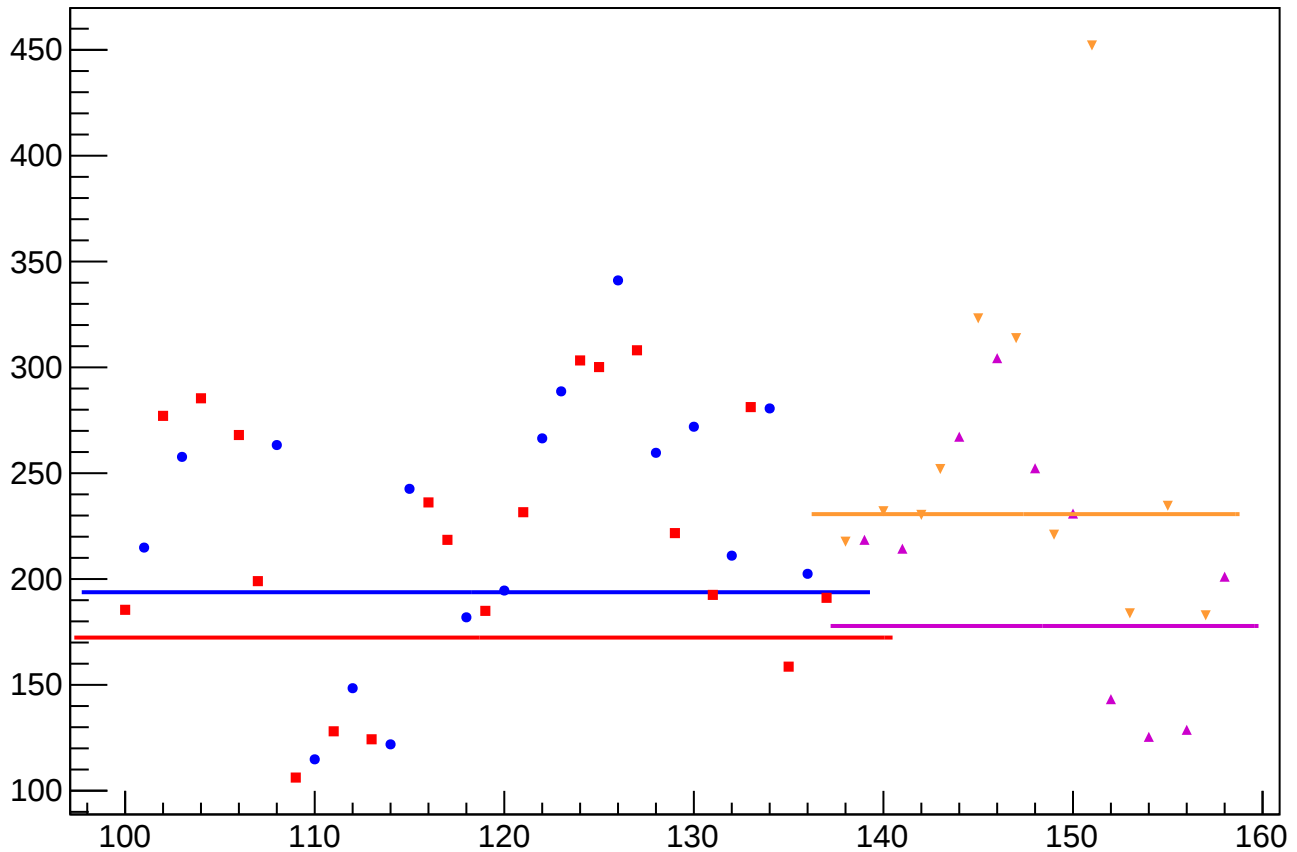
Left In: 73.813+/-67.433 χ^2/NDF : 4.6/9

69.251+/-57.774 χ^2/NDF : 10.9/27

49.791+/-37.167 χ^2/NDF : 23.4/57

36.051+/-48.546 χ^2/NDF : 12.3/29

asym_bcm_an_ds_rms vs Slug, Sign Corrected



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

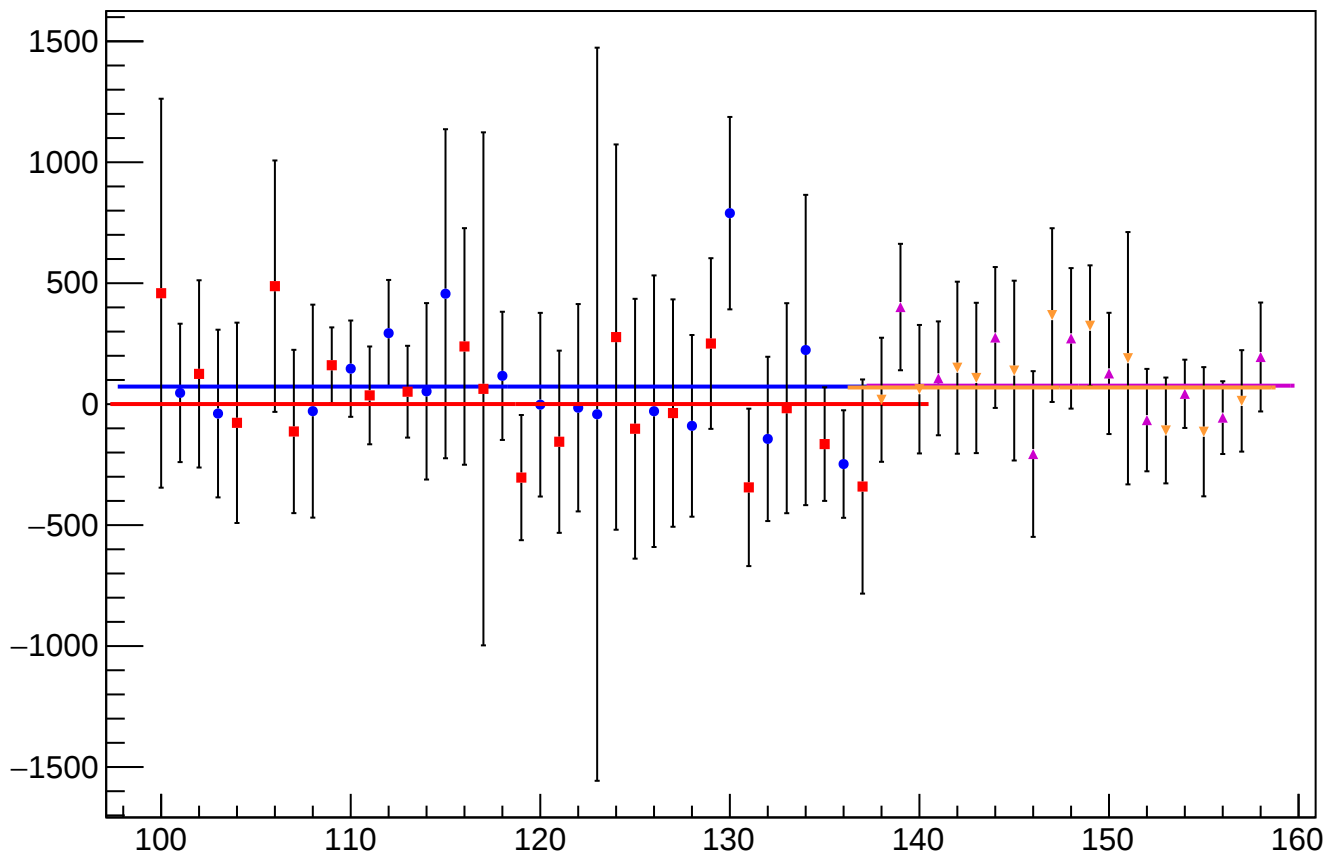
Left In: 177.824 +/- 0.048 χ^2/NDF : 1359661.2/9

211.232 +/- 0.041 χ^2/NDF : 2038259.4/27

190.104 +/- 0.026 χ^2/NDF : 5444537.1/57

175.185 +/- 0.034 χ^2/NDF : 2949912.0/29

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 72.675 $\pm$ 79.992 χ^2/NDF : 7.8/16

Left Out: 68.994 $\pm$ 84.514 χ^2/NDF : 3.1/10

Right Out: 0.459 $\pm$ 70.312 χ^2/NDF : 7.3/19

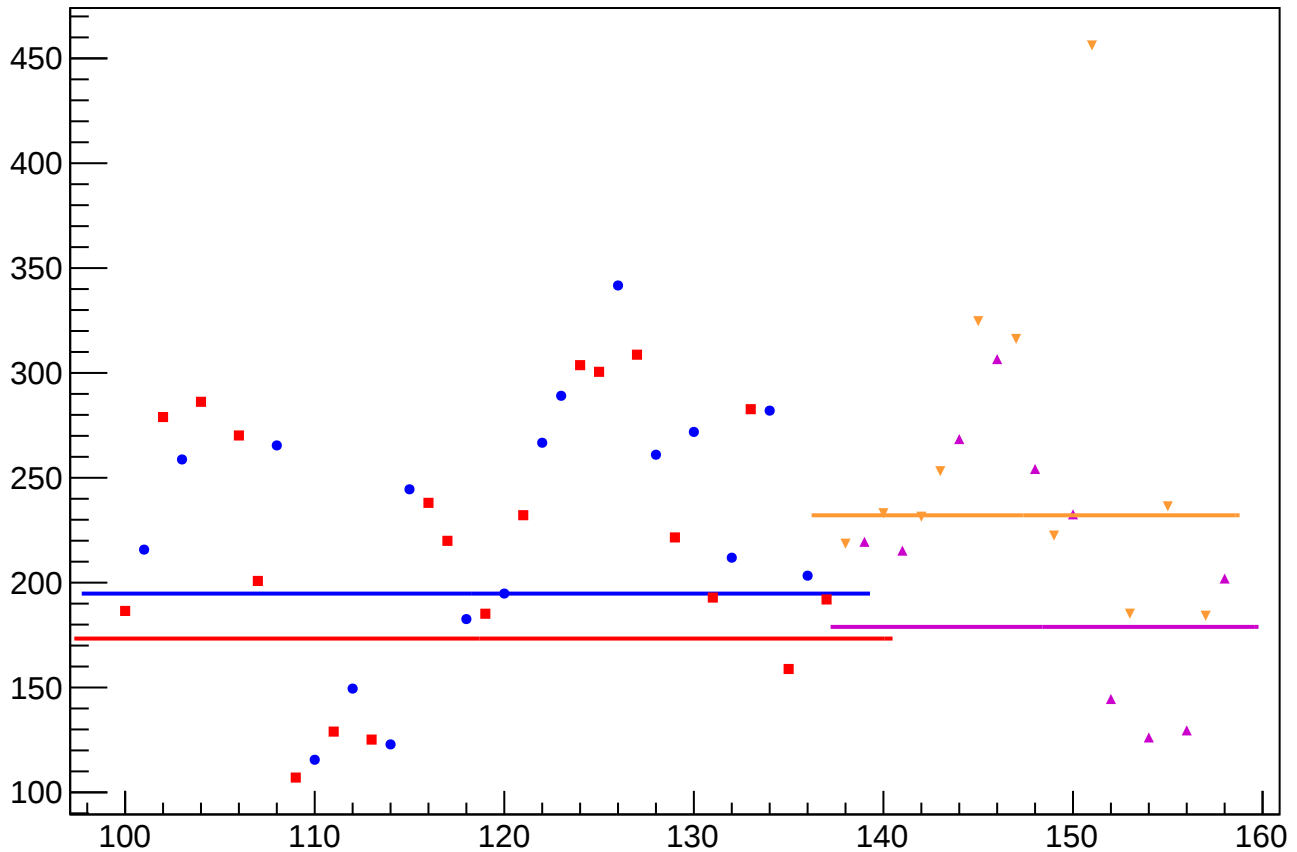
Left In: 76.453 $\pm$ 67.844 χ^2/NDF : 4.8/9

70.935 $\pm$ 58.095 χ^2/NDF : 10.9/27

52.695 $\pm$ 37.376 χ^2/NDF : 23.7/57

39.813 $\pm$ 48.822 χ^2/NDF : 12.7/29

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



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

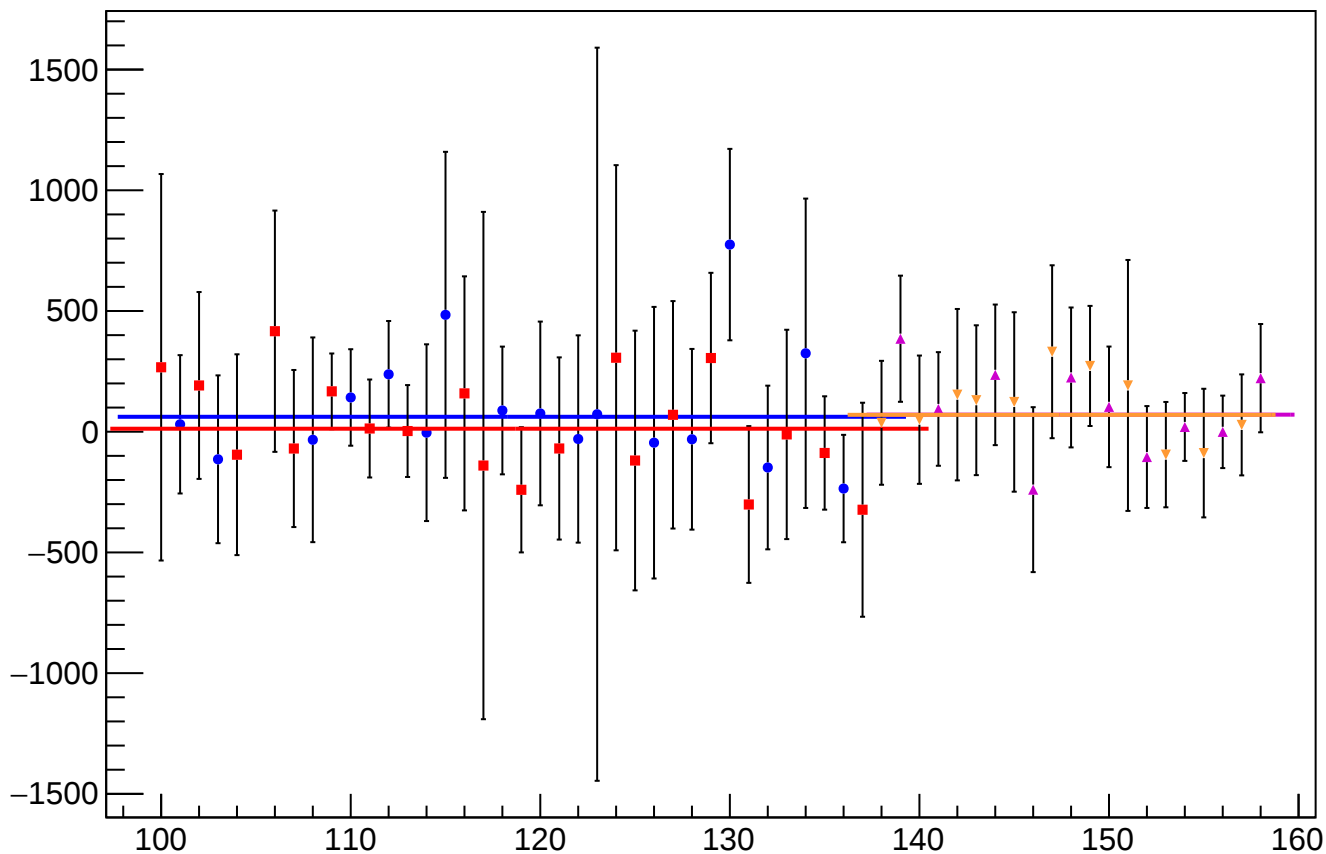
Left In: 178.908 $\pm$ 0.048 χ^2 /NDF: 1357601.7/9

212.429 $\pm$ 0.041 χ^2 /NDF: 2031715.5/27

191.208 $\pm$ 0.026 χ^2 /NDF: 5422542.9/57

176.222 $\pm$ 0.035 χ^2 /NDF: 2935540.2/29

asym_bcm_an_us_mean vs Slug, Sign Corrected



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

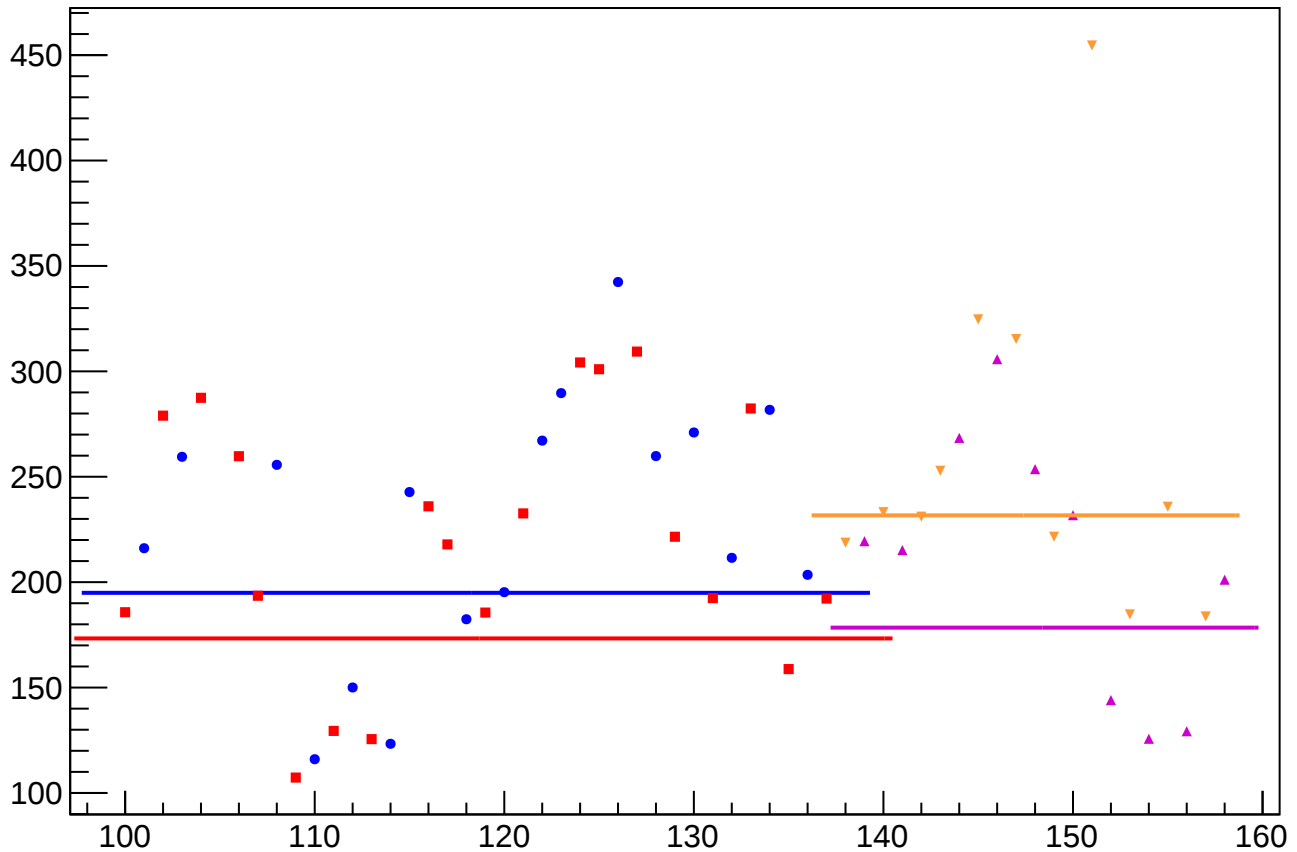
Left In: 70.636 $\pm$ 67.671 χ^2 /NDF: 4.4/9

65.671 $\pm$ 58.043 χ^2 /NDF: 9.6/27

52.143 $\pm$ 37.322 χ^2 /NDF: 20.3/57

42.608 $\pm$ 48.731 χ^2 /NDF: 10.5/29

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.939 ± 0.057 $\chi^2/\text{NDF}: 986629.1/16$

Left Out: 231.697 ± 0.060 $\chi^2/\text{NDF}: 818217.1/10$

Right Out: 173.309 ± 0.050 $\chi^2/\text{NDF}: 1548342.3/19$

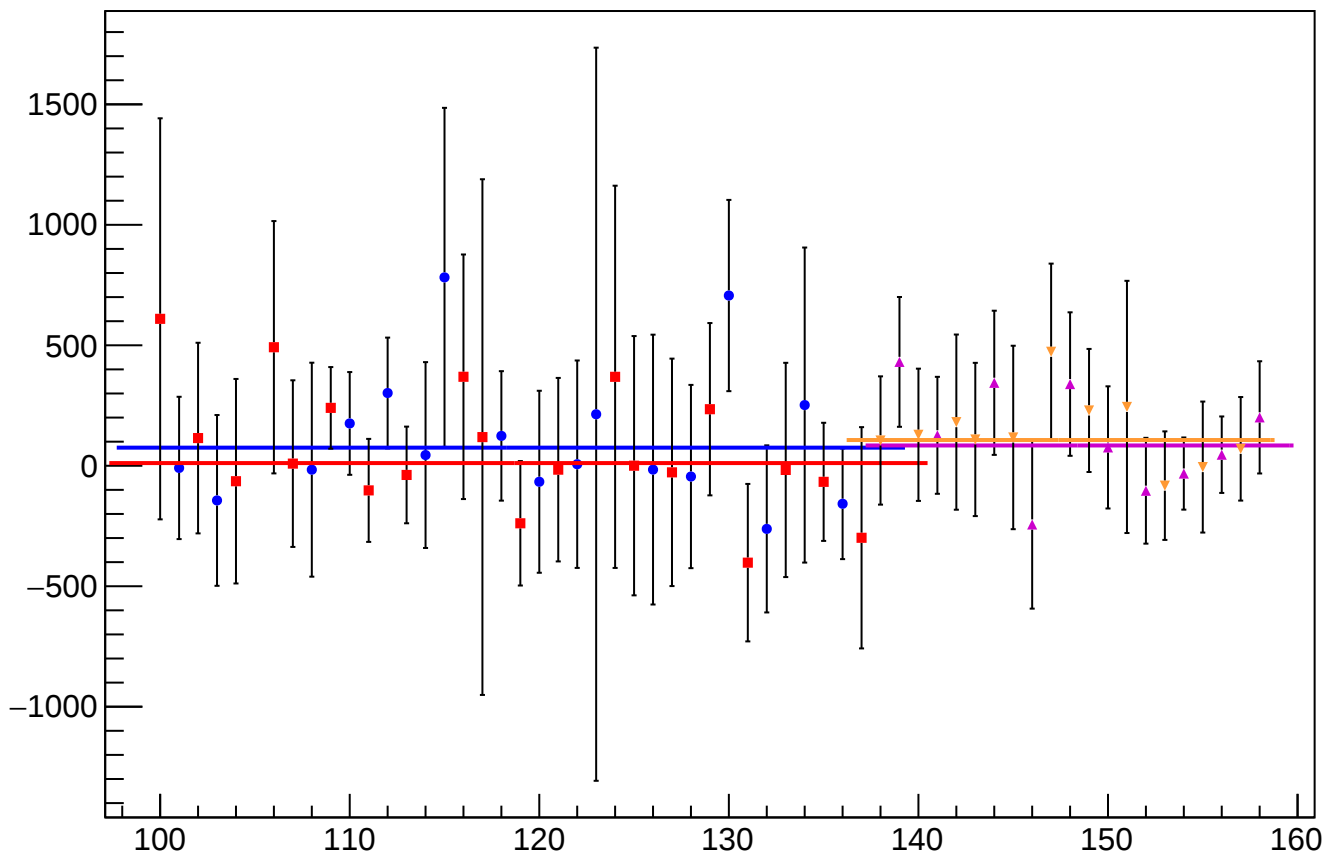
Left In: 178.423 ± 0.048 $\chi^2/\text{NDF}: 1362632.1/9$

212.341 ± 0.041 $\chi^2/\text{NDF}: 2004807.8/27$

191.002 ± 0.026 $\chi^2/\text{NDF}: 5382129.9/57$

175.961 ± 0.034 $\chi^2/\text{NDF}: 2916473.1/29$

asym_bcm_dg_us_mean vs Slug, Sign Corrected



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

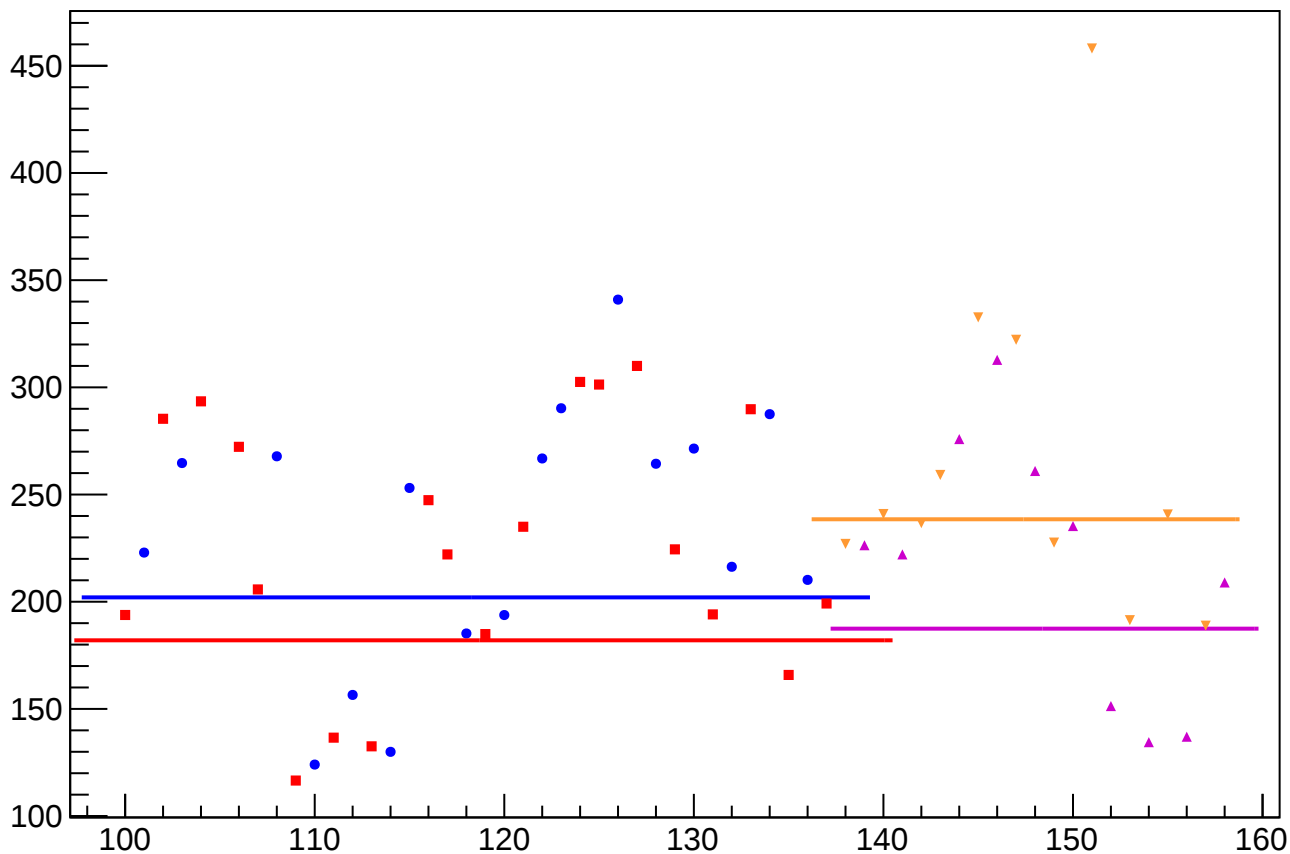
Left In: 84.234 $\pm$ 70.632 χ^2 /NDF: 5.7/9

90.240 $\pm$ 59.761 χ^2 /NDF: 10.0/27

66.303 $\pm$ 38.713 χ^2 /NDF: 24.3/57

48.994 $\pm$ 50.816 χ^2 /NDF: 14.1/29

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.029 $\pm$ 0.058 χ^2 /NDF: 881608.7/16

Left Out: 238.460 $\pm$ 0.061 χ^2 /NDF: 789581.2/10

Right Out: 182.000 $\pm$ 0.052 χ^2 /NDF: 1380354.3/19

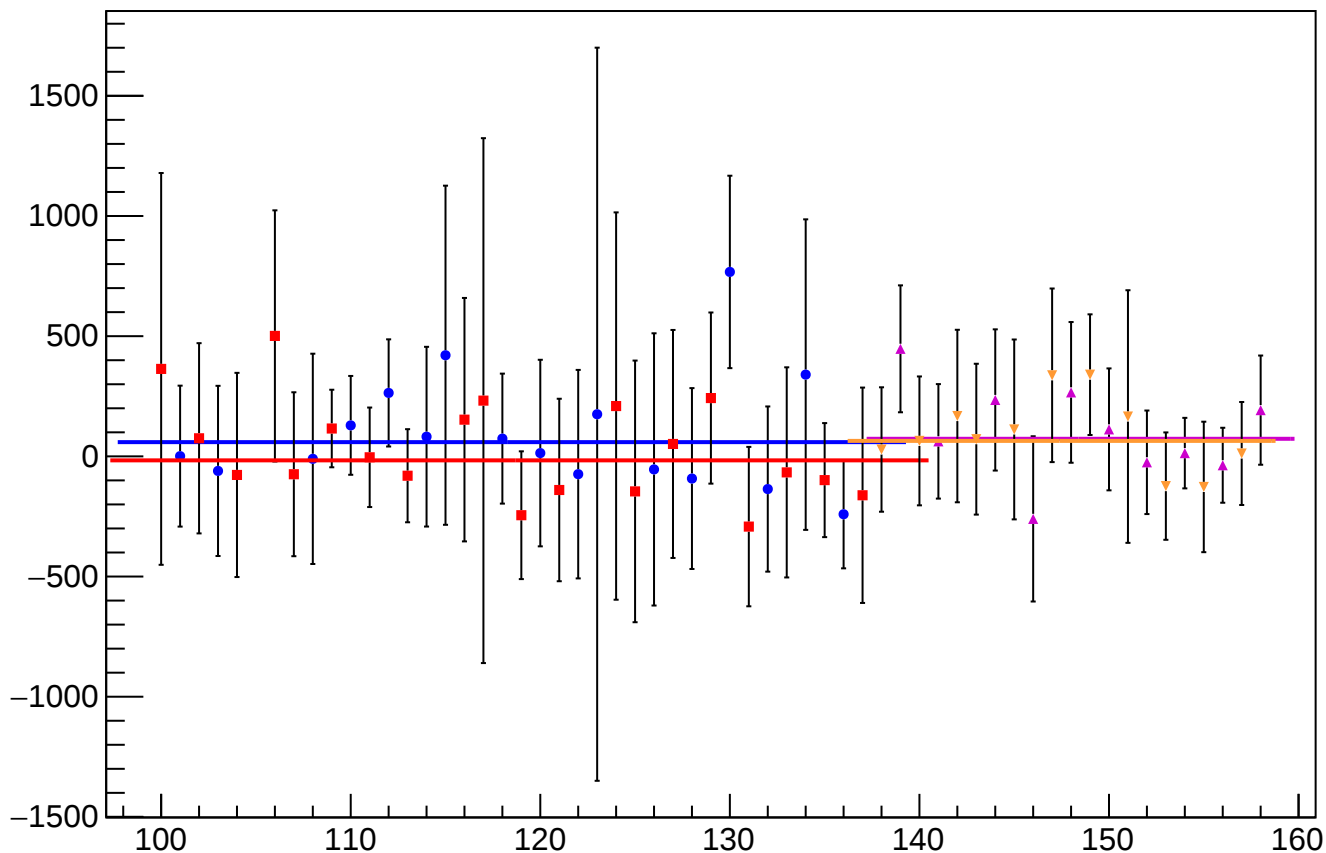
Left In: 187.439 $\pm$ 0.050 χ^2 /NDF: 1231367.2/9

219.346 $\pm$ 0.042 χ^2 /NDF: 1856547.7/27

199.306 $\pm$ 0.027 χ^2 /NDF: 4861530.0/57

184.815 $\pm$ 0.036 χ^2 /NDF: 2617442.9/29

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 59.175 $\pm$ 81.417 χ^2/NDF : 7.1/16

Left Out: 64.348 $\pm$ 85.601 χ^2/NDF : 3.2/10

Right Out: -16.650 $\pm$ 71.745 χ^2/NDF : 4.7/19

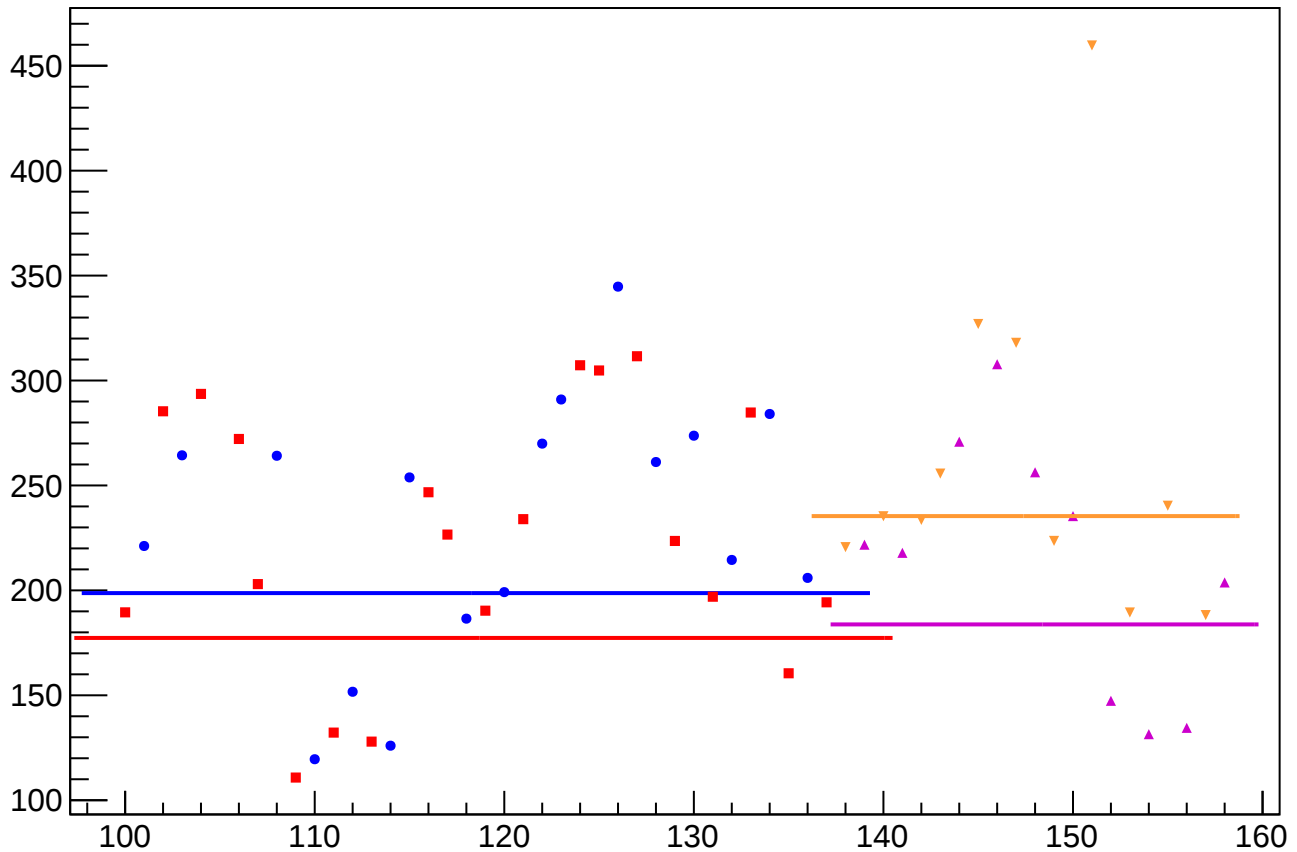
Left In: 73.097 $\pm$ 69.380 χ^2/NDF : 4.9/9

61.632 $\pm$ 58.994 χ^2/NDF : 10.3/27

43.025 $\pm$ 38.087 χ^2/NDF : 20.9/57

29.727 $\pm$ 49.874 χ^2/NDF : 10.4/29

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.704 +/- 0.058 χ^2/NDF : 963394.4/16

Left Out: 235.395 +/- 0.061 χ^2/NDF : 790072.2/10

Right Out: 177.338 +/- 0.051 χ^2/NDF : 1528976.8/19

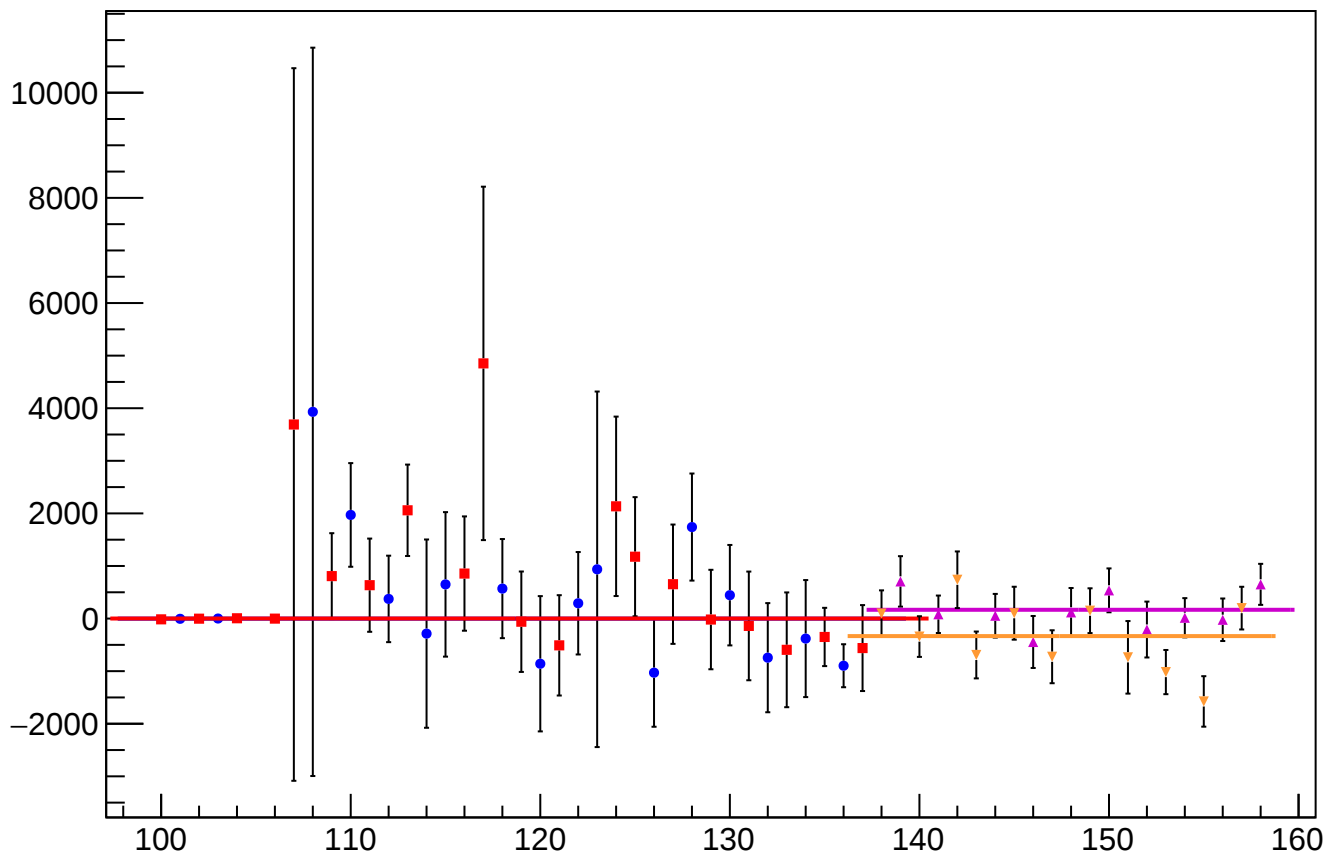
Left In: 183.781 +/- 0.049 χ^2/NDF : 1250303.1/9

216.131 +/- 0.042 χ^2/NDF : 1946393.8/27

195.449 +/- 0.027 χ^2/NDF : 5155489.6/57

180.667 +/- 0.035 χ^2/NDF : 2787612.7/29

asym_cav4bQ_mean vs Slug, Sign Corrected



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

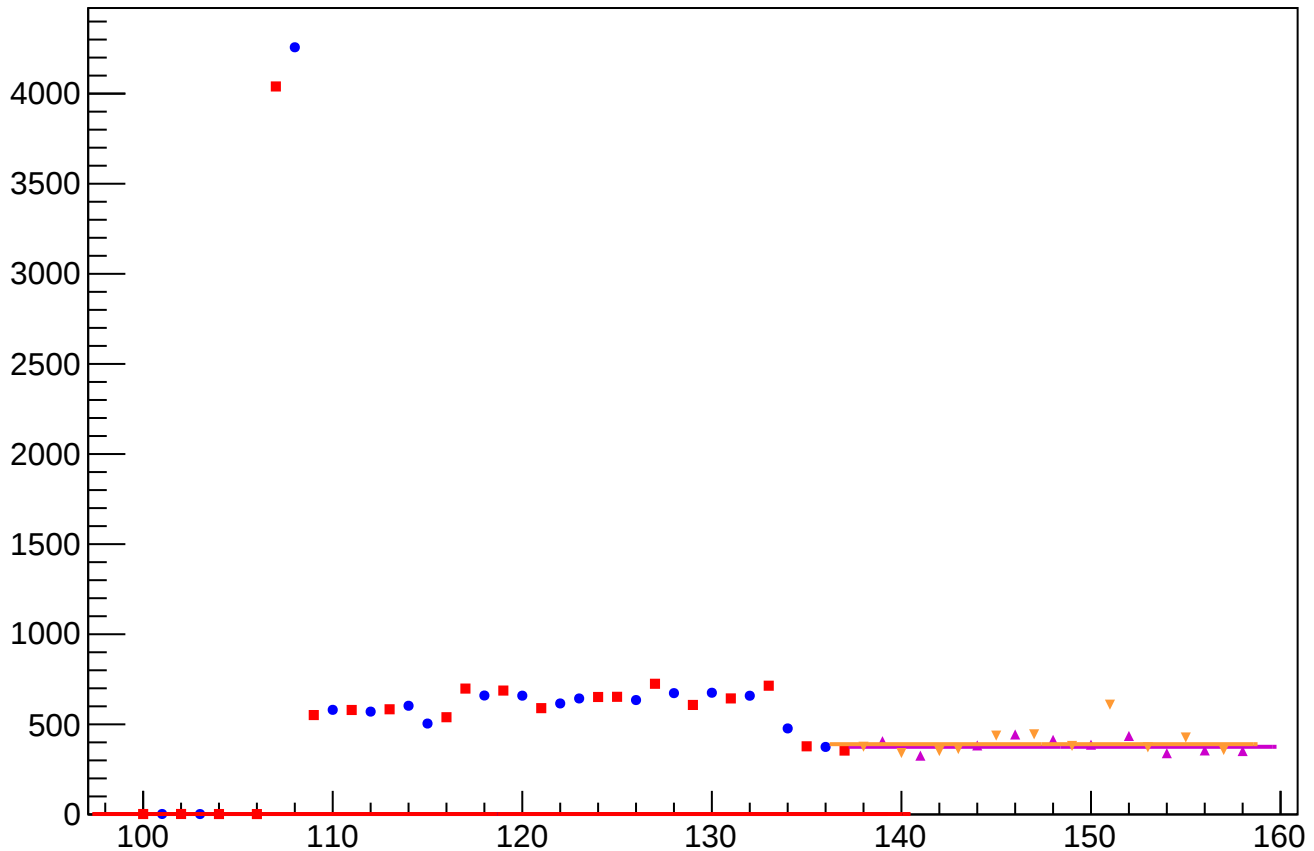
Left In: 167.059 ± 133.696 χ^2/NDF : 6.1/9

-1.616 ± 2.251 χ^2/NDF : 42.0/27

-0.344 ± 1.540 χ^2/NDF : 70.8/57

0.775 ± 2.111 χ^2/NDF : 28.2/29

asym_cav4bQ_rms vs Slug, Sign Corrected



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

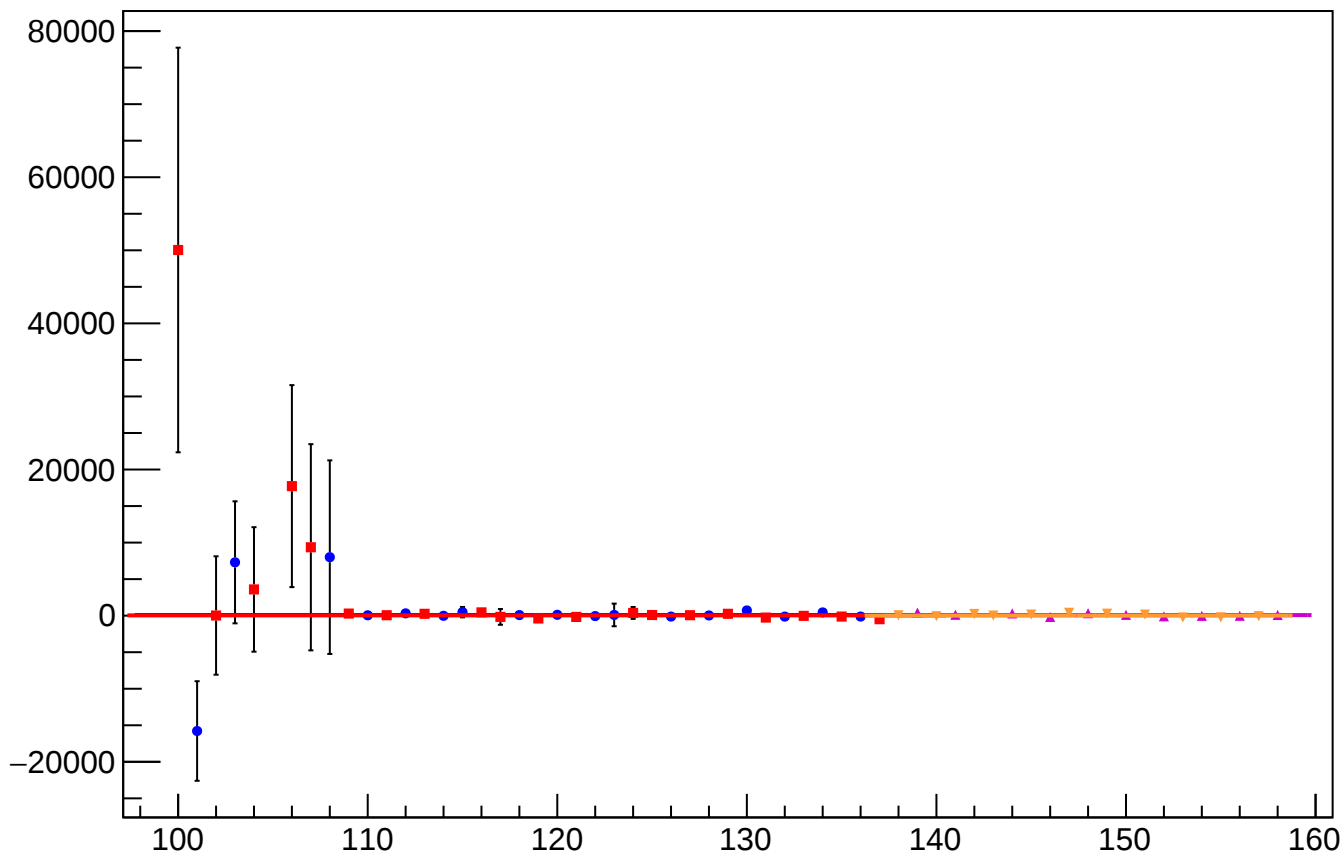
Left In: 375.455+/-0.095 χ^2/NDF : 157092.4/9

2.558+/-0.002 χ^2/NDF : 26630791.9/27

2.543+/-0.001 χ^2/NDF : 53578866.3/57

2.530+/-0.001 χ^2/NDF : 26947907.1/29

asym_cav4cQ_mean vs Slug, Sign Corrected



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

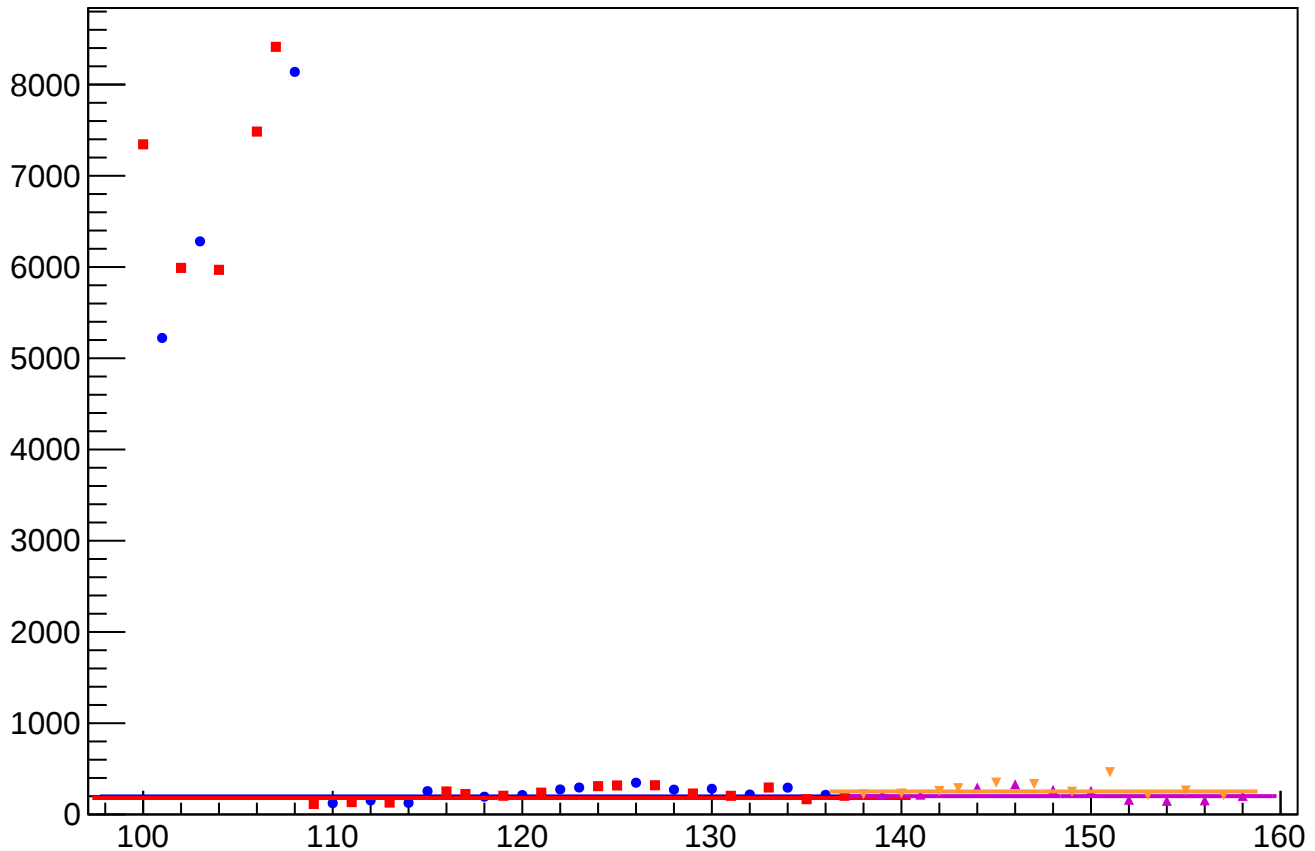
Left In: 78.508+/-74.942 χ^2/NDF : 4.6/9

51.355+/-64.769 χ^2/NDF : 16.9/27

57.500+/-42.364 χ^2/NDF : 35.7/57

62.096+/-56.006 χ^2/NDF : 18.8/29

asym_cav4cQ_rms vs Slug, Sign Corrected



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

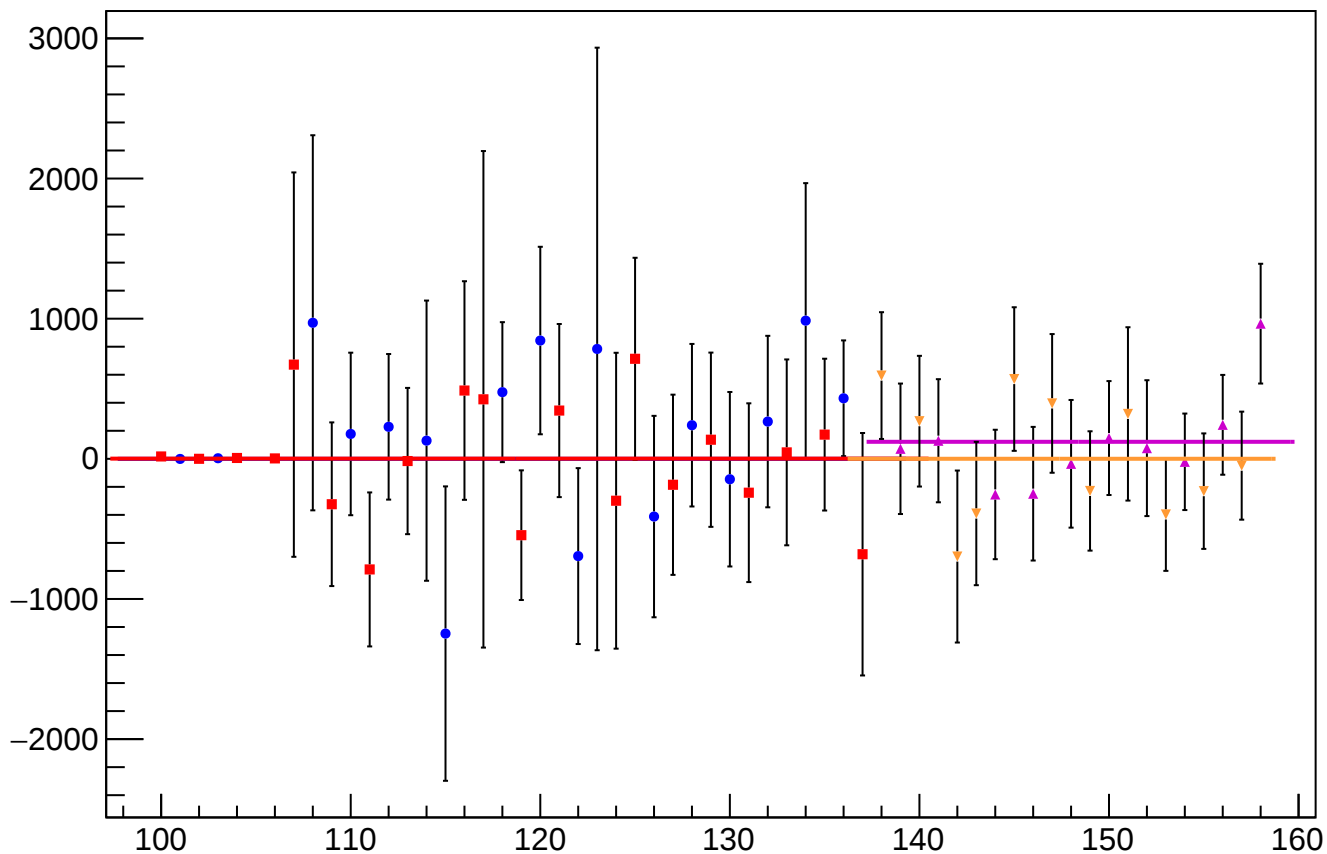
Left In: 200.693 ± 0.053 χ^2/NDF : 1007506.8/9

224.956 ± 0.046 χ^2/NDF : 4781612.6/27

205.909 ± 0.030 χ^2/NDF : 10481796.6/57

191.667 ± 0.040 χ^2/NDF : 5397893.4/29

asym_cav4dQ_mean vs Slug, Sign Corrected



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

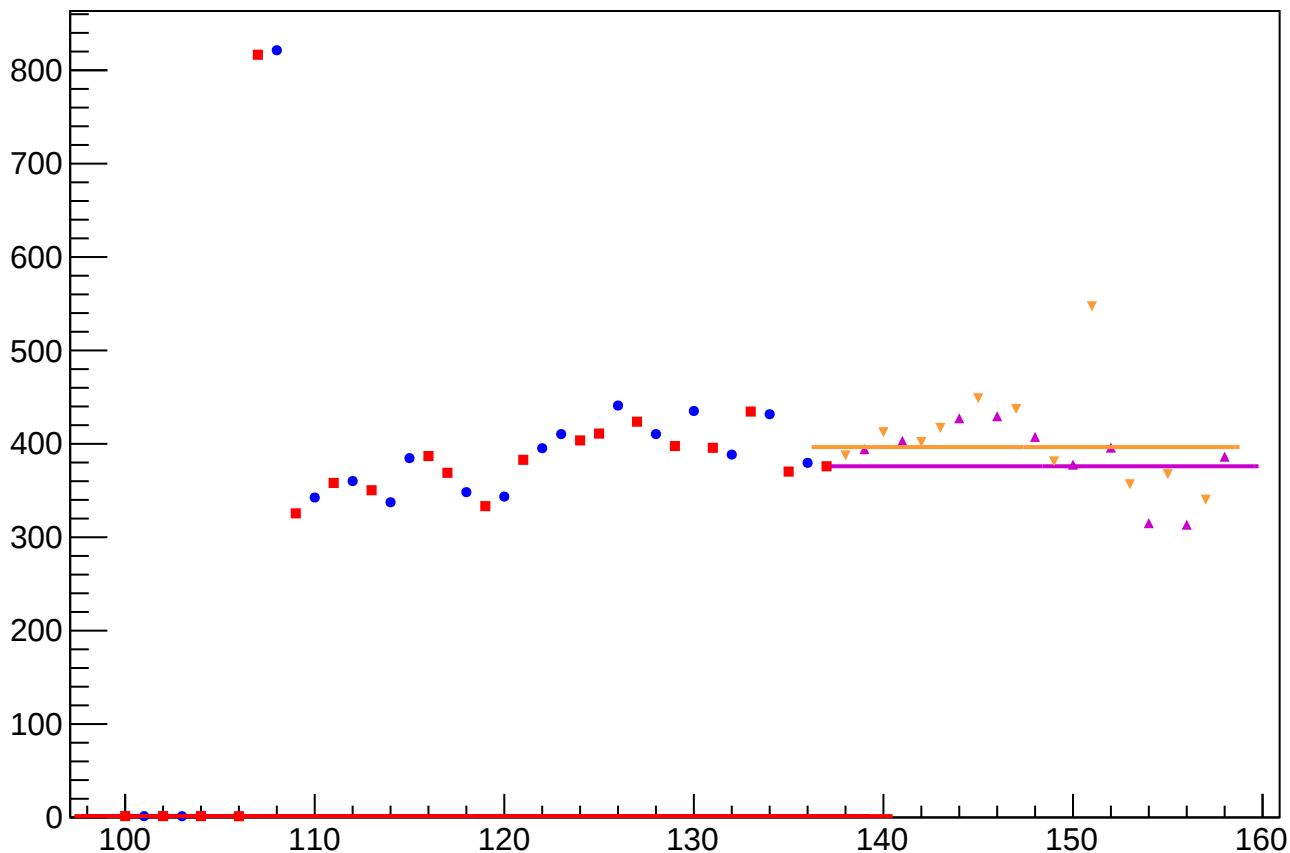
Left In: 121.429 ± 133.851 χ^2/NDF : 5.6/9

-0.139 ± 1.736 χ^2/NDF : 17.4/27

0.652 ± 1.186 χ^2/NDF : 33.8/57

1.342 ± 1.622 χ^2/NDF : 16.0/29

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.452 +/- 0.001 χ^2/NDF : 10815892.9/16

Left Out: 396.562 +/- 0.099 χ^2/NDF : 234521.3/10

Right Out: 1.451 +/- 0.001 χ^2/NDF : 10959647.1/19

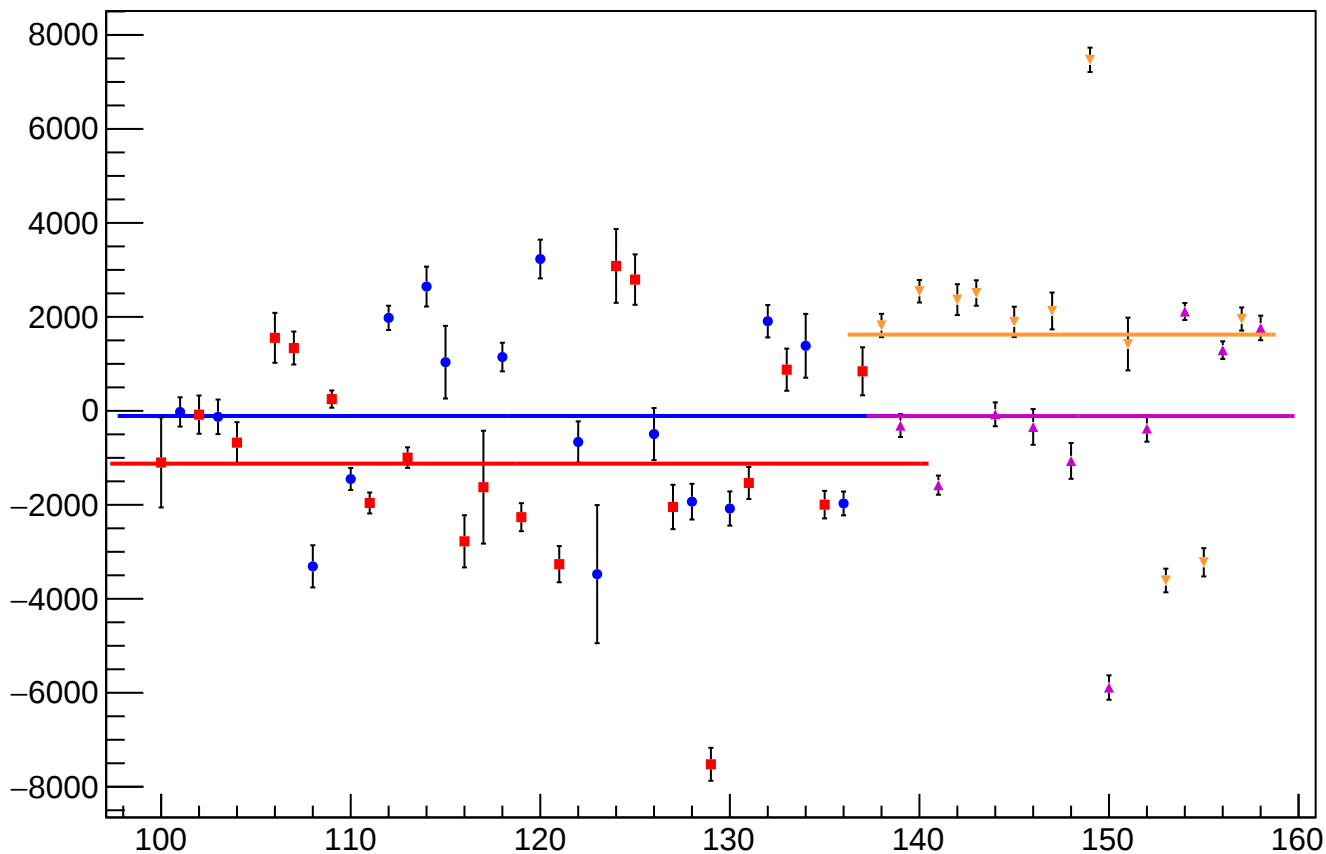
Left In: 375.995 +/- 0.095 χ^2/NDF : 199105.8/9

1.513 +/- 0.001 χ^2/NDF : 26903890.5/27

1.509 +/- 0.001 χ^2/NDF : 53720305.8/57

1.506 +/- 0.001 χ^2/NDF : 26816401.0/29

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -109.225 ± 87.961 $\chi^2/\text{NDF}: 428.3/16$

Left Out: 1623.506 ± 86.349 $\chi^2/\text{NDF}: 1238.3/10$

Right Out: -1123.337 ± 78.230 $\chi^2/\text{NDF}: 670.2/19$

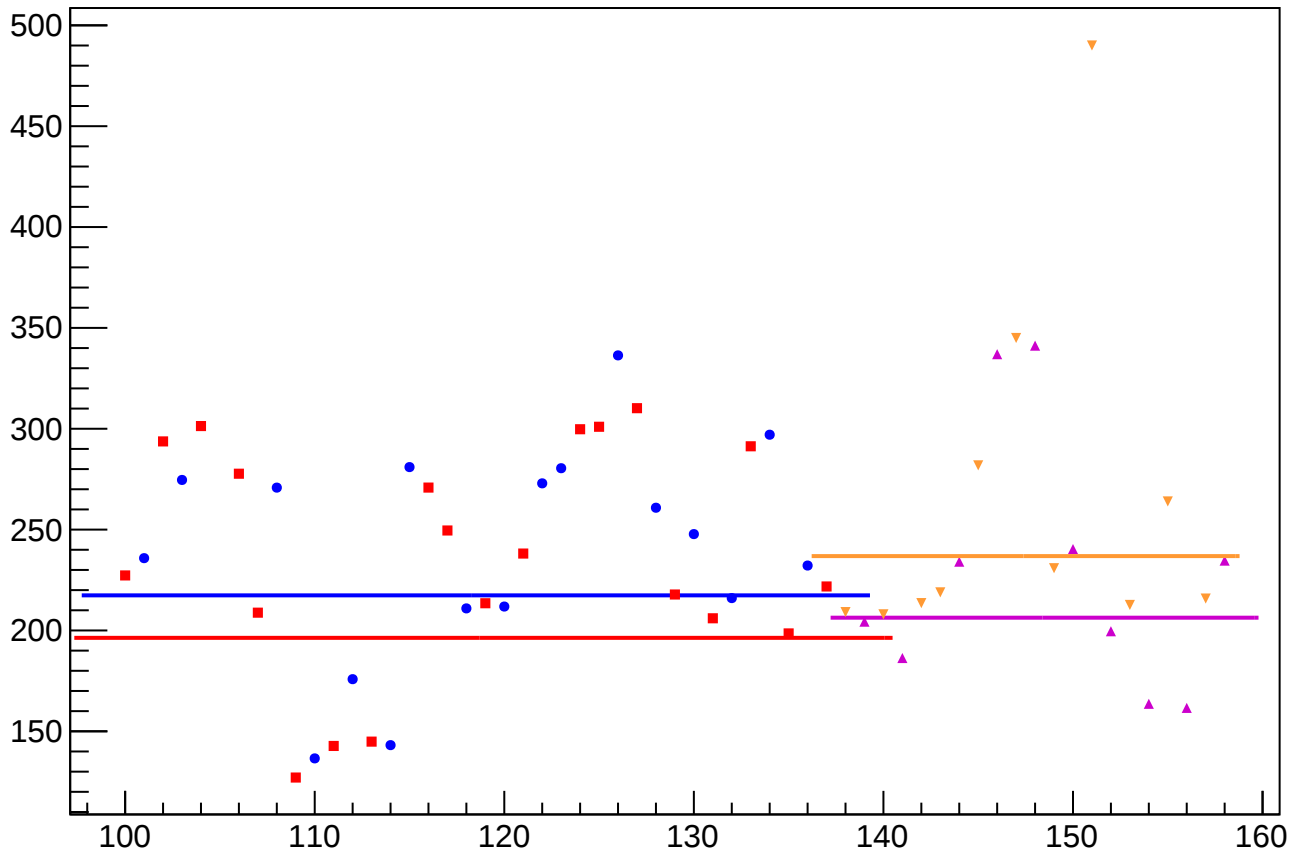
Left In: -110.859 ± 76.353 $\chi^2/\text{NDF}: 815.6/9$

773.169 ± 61.620 $\chi^2/\text{NDF}: 1864.3/27$

1.760 ± 40.883 $\chi^2/\text{NDF}: 3715.8/57$

-604.808 ± 54.641 $\chi^2/\text{NDF}: 1571.6/29$

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.403 +/- 0.062 χ^2/NDF : 652632.9/16

Left Out: 236.861 +/- 0.061 χ^2/NDF : 721148.6/10

Right Out: 196.339 +/- 0.055 χ^2/NDF : 1194805.7/19

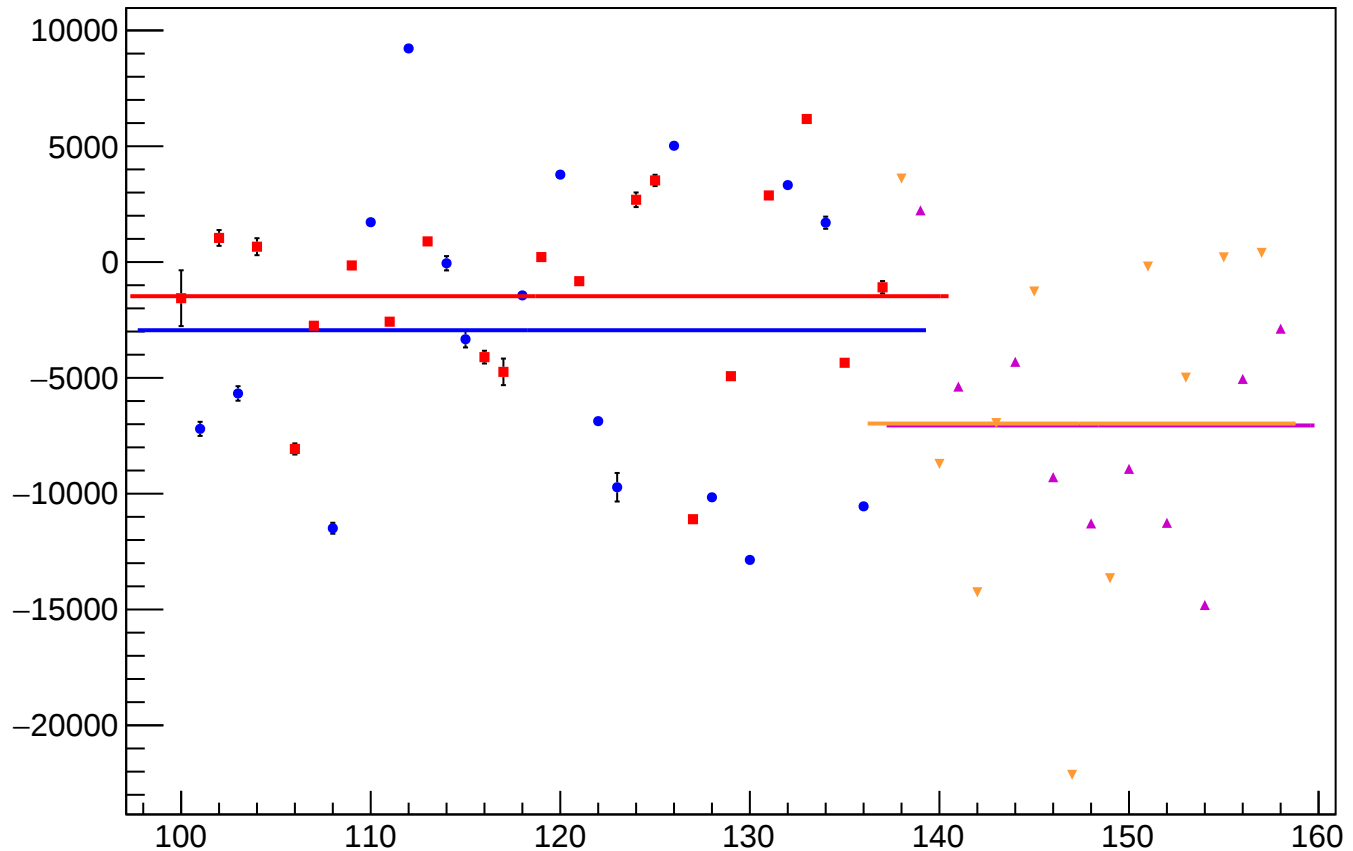
Left In: 206.329 +/- 0.054 χ^2/NDF : 813957.0/9

227.312 +/- 0.044 χ^2/NDF : 1423621.2/27

212.837 +/- 0.029 χ^2/NDF : 3646226.3/57

201.455 +/- 0.039 χ^2/NDF : 2025466.9/29

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2943.123 ± 48.612 $\chi^2/\text{NDF}: 20909.8/16$

Left Out: -6971.853 ± 44.129 $\chi^2/\text{NDF}: 31482.1/10$

Right Out: -1474.497 ± 46.252 $\chi^2/\text{NDF}: 8028.6/19$

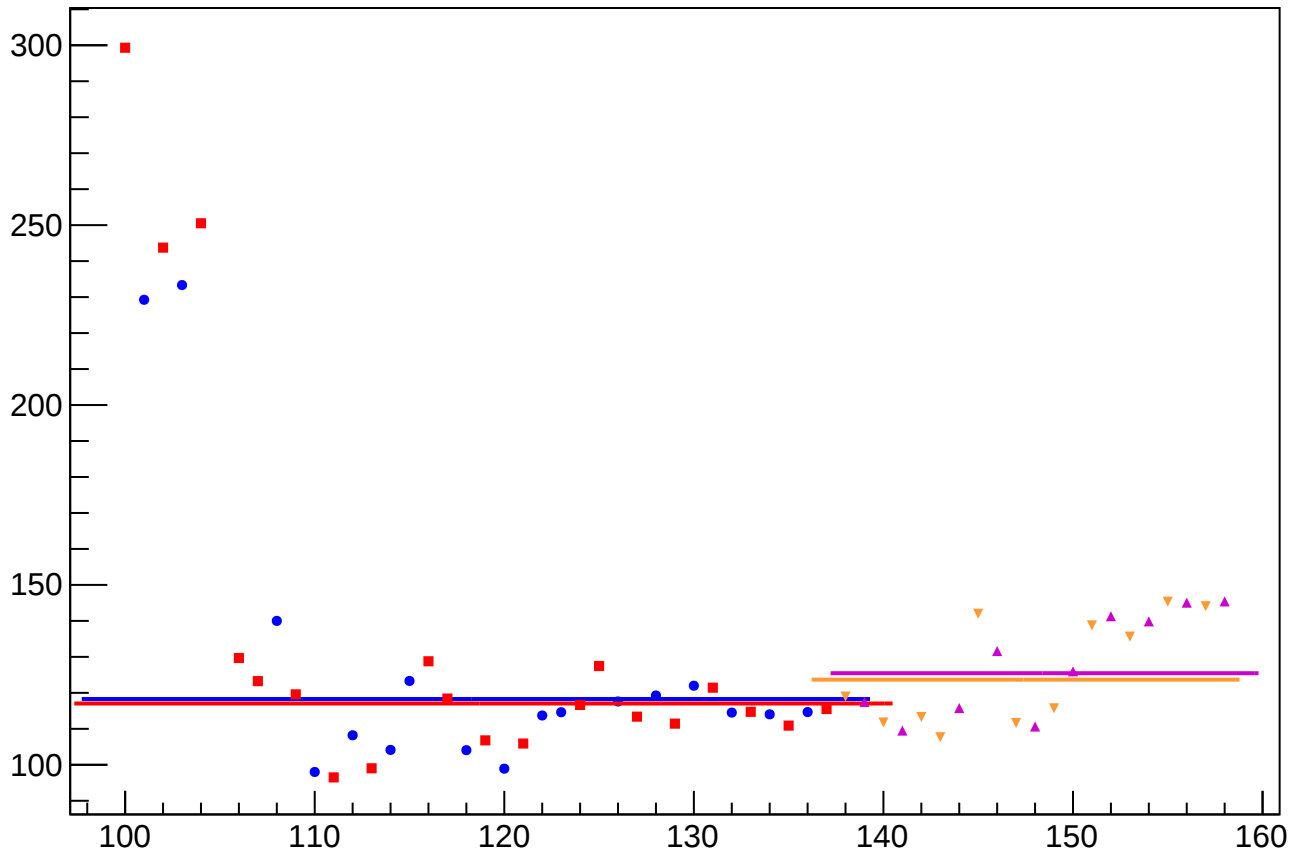
Left In: -7054.404 ± 44.613 $\chi^2/\text{NDF}: 10588.1/9$

-5151.785 ± 32.674 $\chi^2/\text{NDF}: 56157.3/27$

-4751.576 ± 22.902 $\chi^2/\text{NDF}: 82608.4/57$

-4365.062 ± 32.110 $\chi^2/\text{NDF}: 26156.2/29$

asym_bpm2i01WS_rms vs Slug, Sign Corrected



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

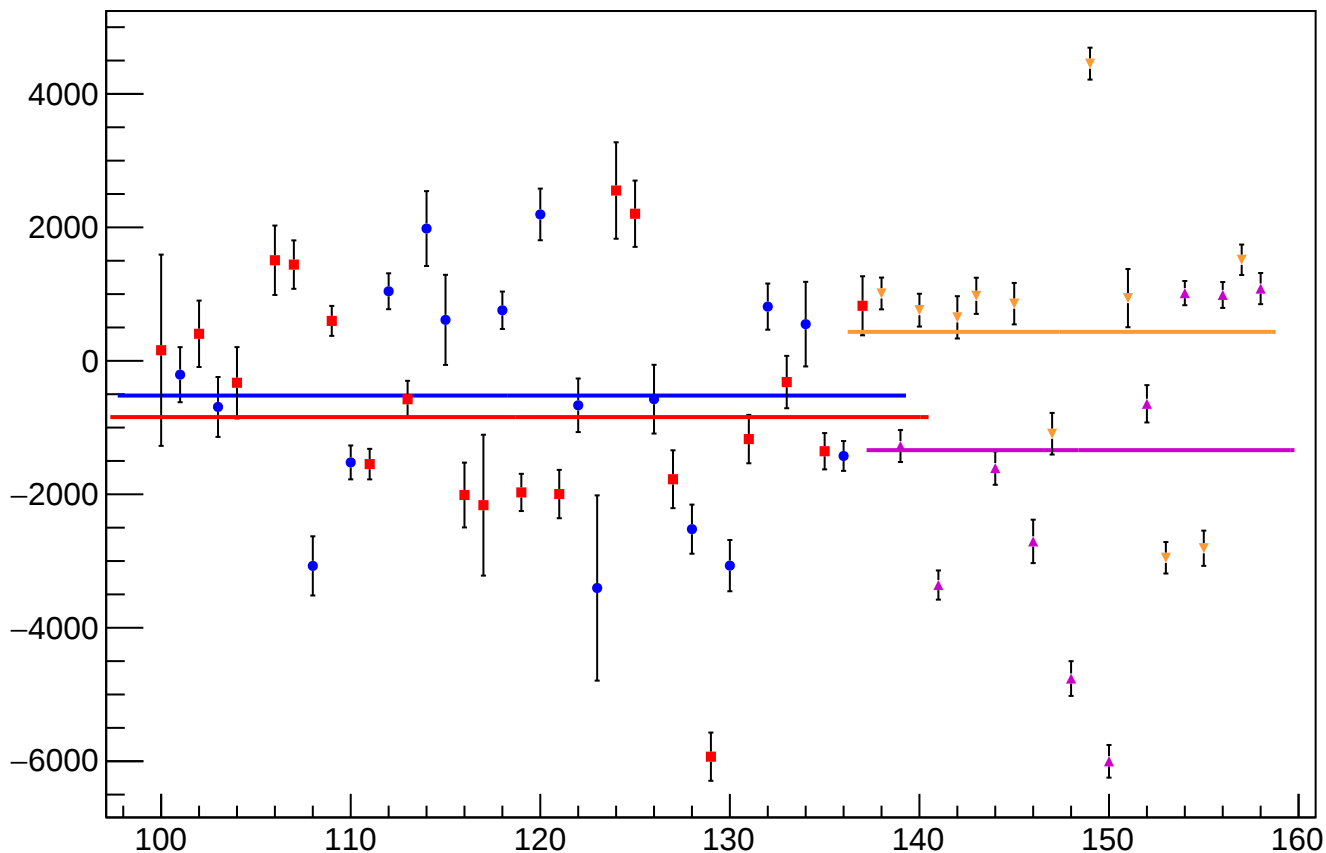
Left In: 125.460+/-0.032 χ^2/NDF : 181330.2/9

121.239+/-0.023 χ^2/NDF : 851940.2/27

121.322+/-0.016 χ^2/NDF : 1758497.1/57

121.402+/-0.023 χ^2/NDF : 906531.5/29

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -520.267 ± 89.241 $\chi^2/\text{NDF}: 288.1/16$

Left Out: 434.203 ± 80.952 $\chi^2/\text{NDF}: 700.4/10$

Right Out: -842.858 ± 82.024 $\chi^2/\text{NDF}: 436.3/19$

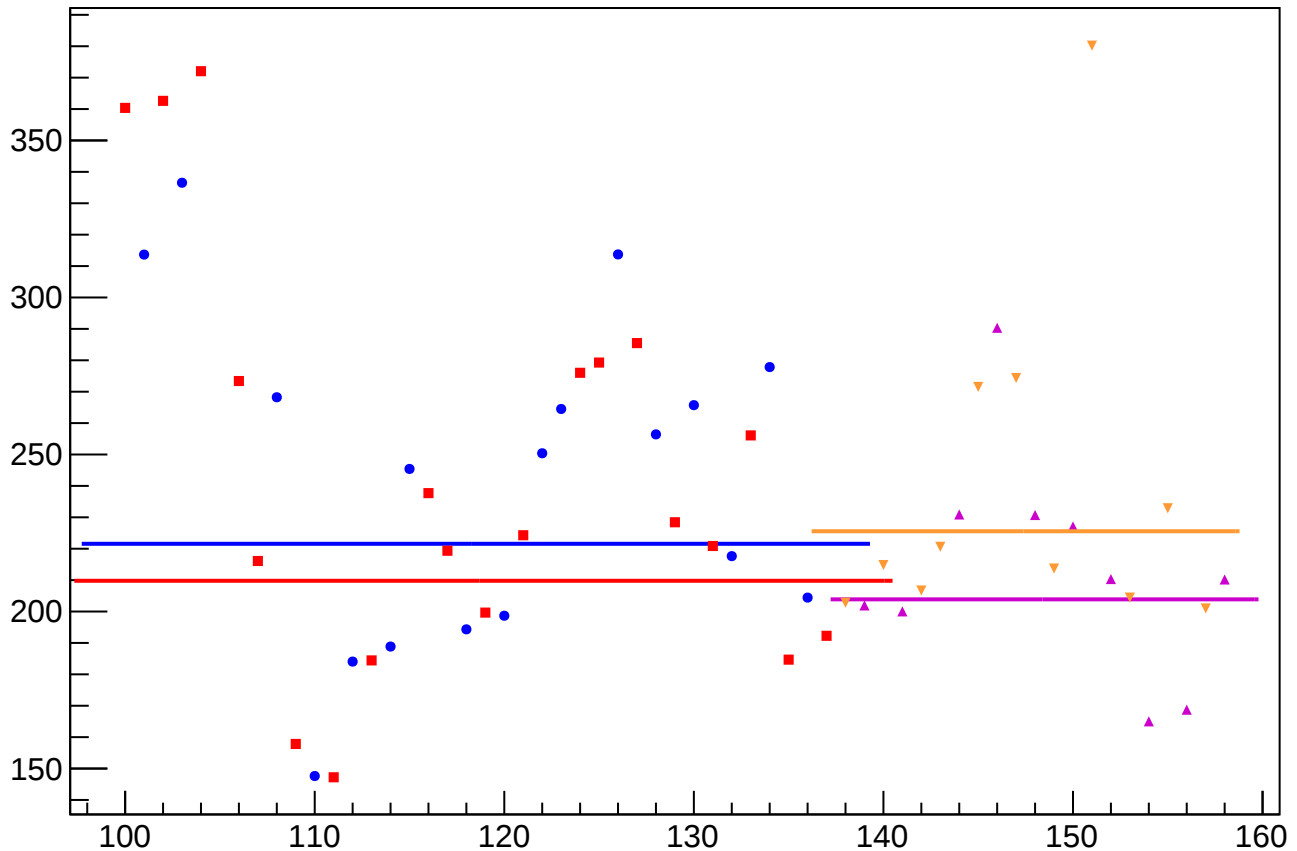
Left In: -1338.385 ± 73.873 $\chi^2/\text{NDF}: 1065.1/9$

3.346 ± 59.958 $\chi^2/\text{NDF}: 1051.3/27$

-605.853 ± 40.488 $\chi^2/\text{NDF}: 2762.6/57$

-1116.459 ± 54.893 $\chi^2/\text{NDF}: 1521.5/29$

asym_bpm0i07WS_rms vs Slug, Sign Corrected



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

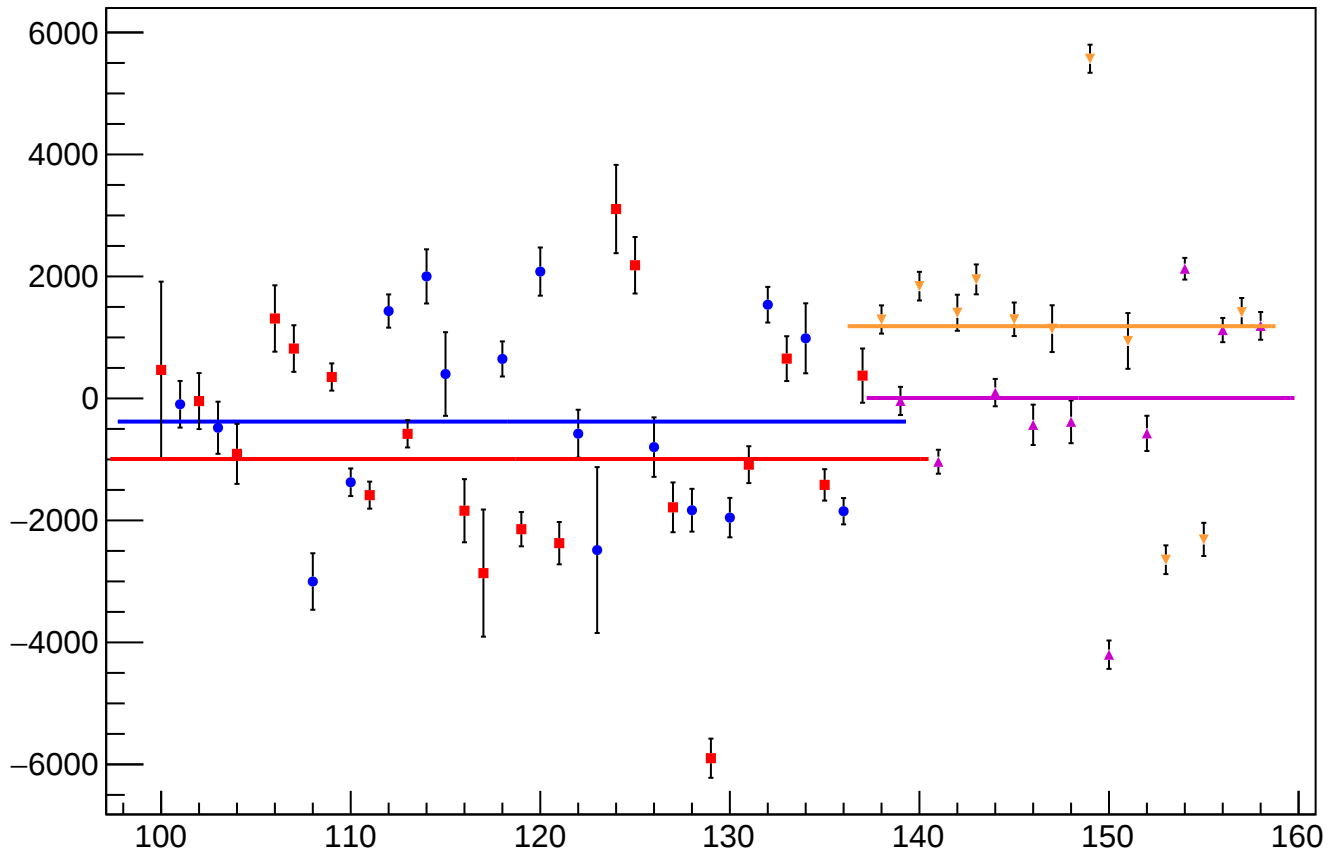
Left In: 203.878 +/- 0.052 χ^2/NDF : 364402.4/9

223.761 +/- 0.042 χ^2/NDF : 1066491.3/27

214.385 +/- 0.029 χ^2/NDF : 2410614.6/57

206.527 +/- 0.039 χ^2/NDF : 1254235.4/29

asym_bpm0l01WS_mean vs Slug, Sign Corrected



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

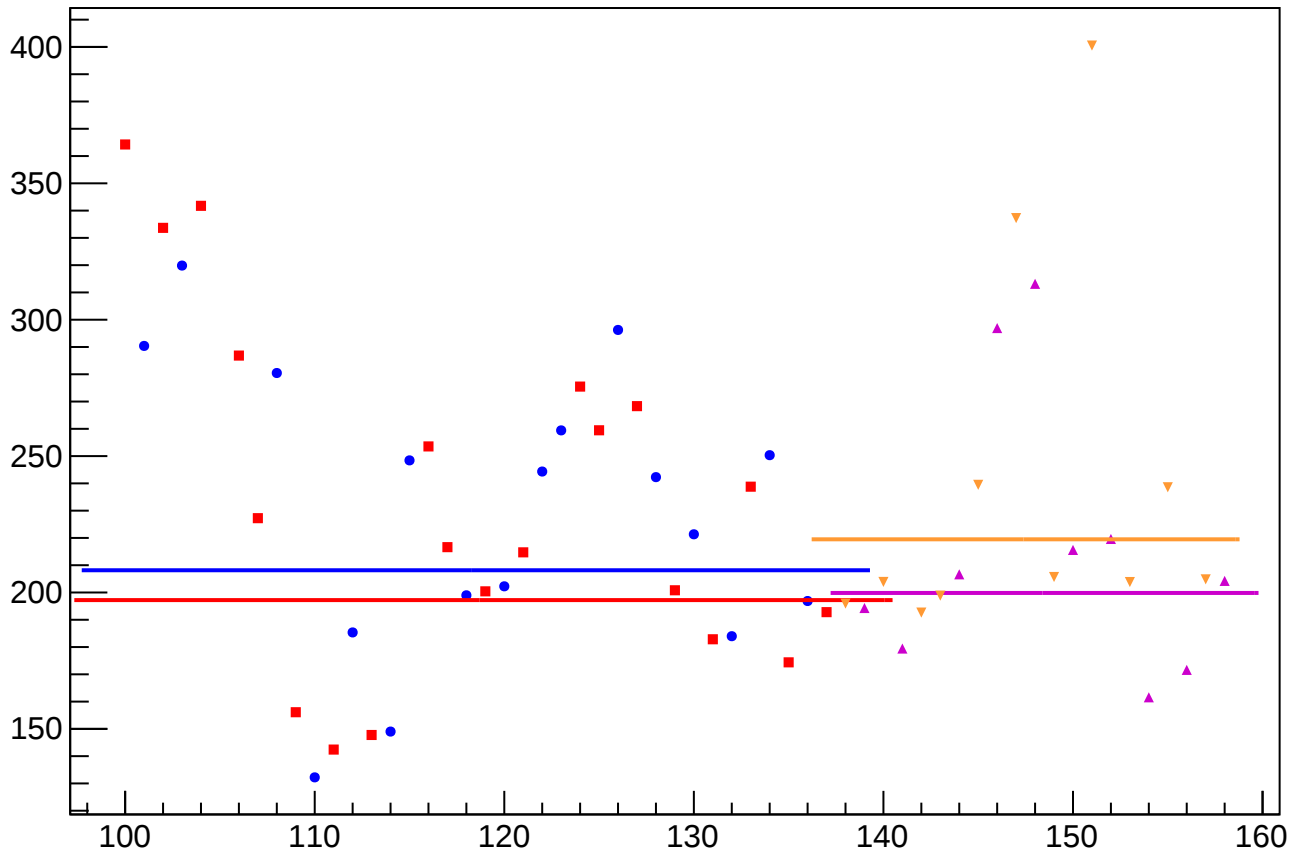
Left In: 7.121 ± 72.798 χ^2/NDF : 563.5/9

448.747 ± 57.782 χ^2/NDF : 1311.4/27

-45.111 ± 39.083 χ^2/NDF : 2577.5/57

-461.597 ± 53.063 χ^2/NDF : 1131.5/29

asym_bpm0l01WS_rms vs Slug, Sign Corrected



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

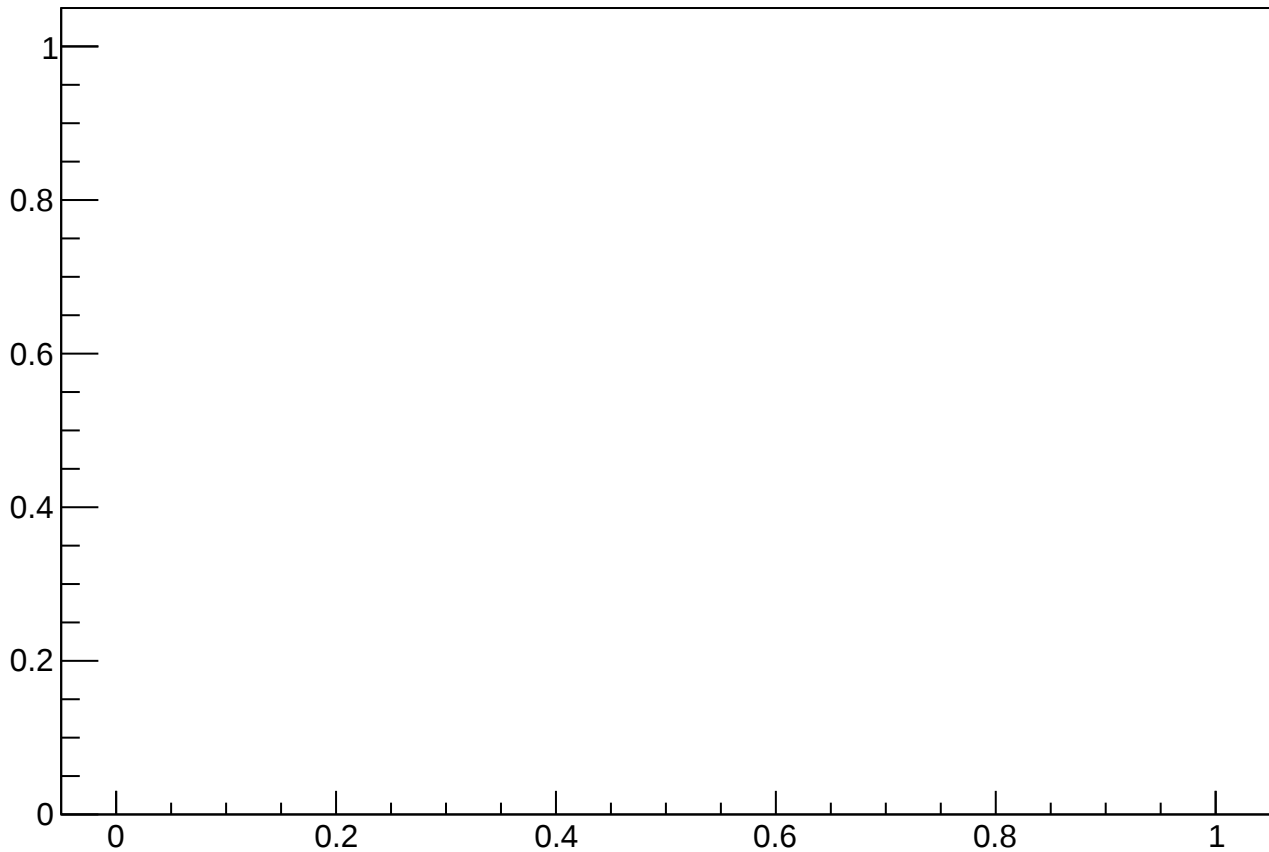
Left In: 199.831+/-0.051 χ^2/NDF : 558175.6/9

214.159+/-0.041 χ^2/NDF : 1325124.9/27

205.720+/-0.028 χ^2/NDF : 2890317.3/57

198.603+/-0.038 χ^2/NDF : 1486555.3/29

bcm_an_us_ds_dd_mean vs Slug, Sign Corrected



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

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

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

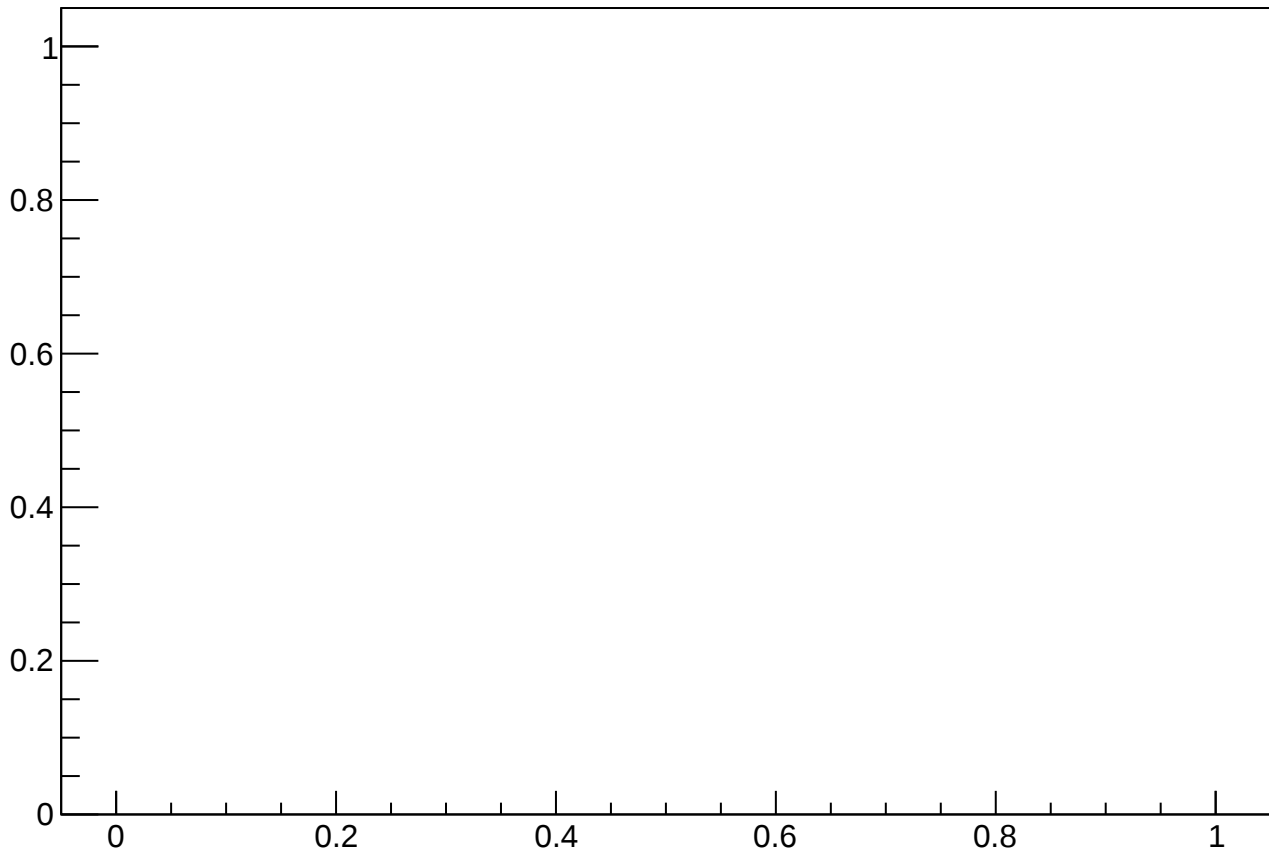
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_an_us_ds_dd_rms vs Slug, Sign Corrected



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

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

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

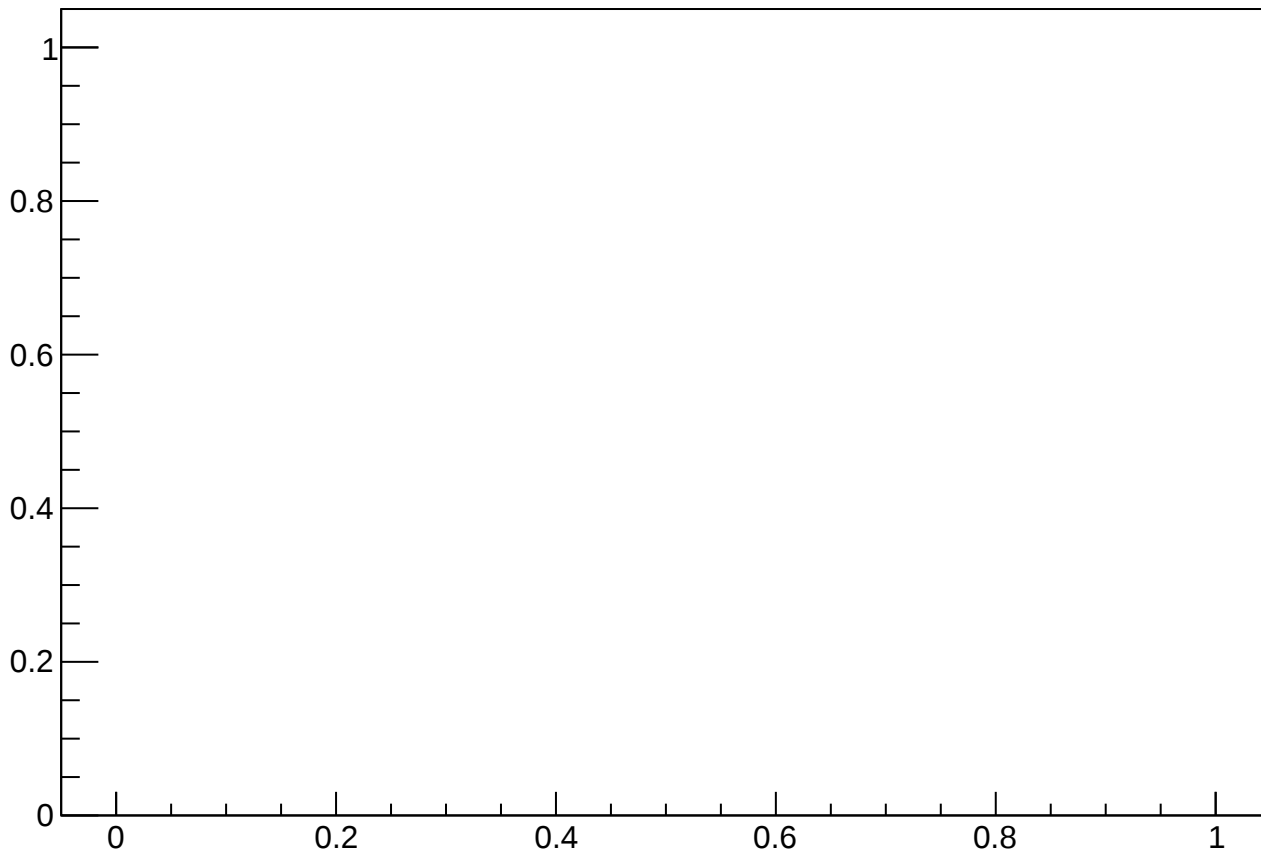
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_dg_ds_dd_mean vs Slug, Sign Corrected



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

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

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

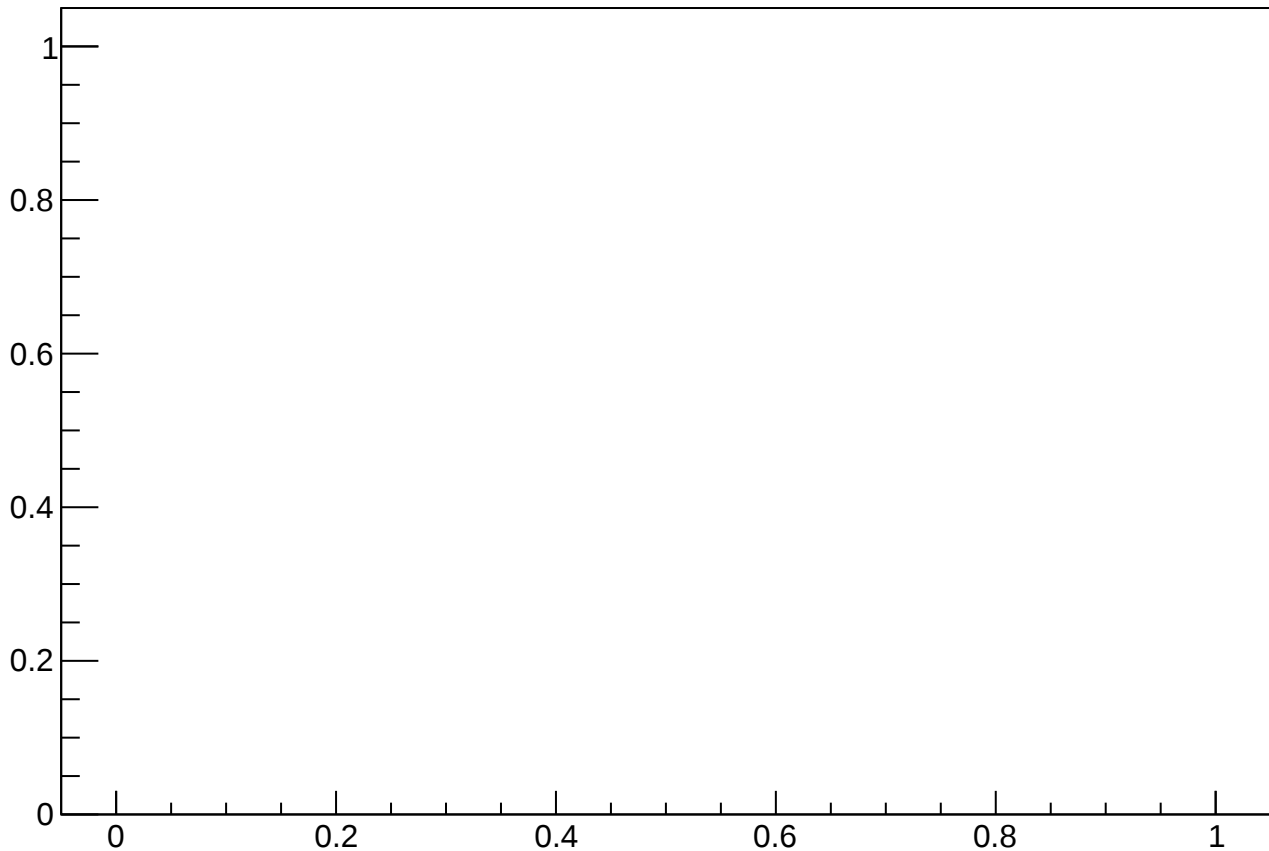
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



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

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

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

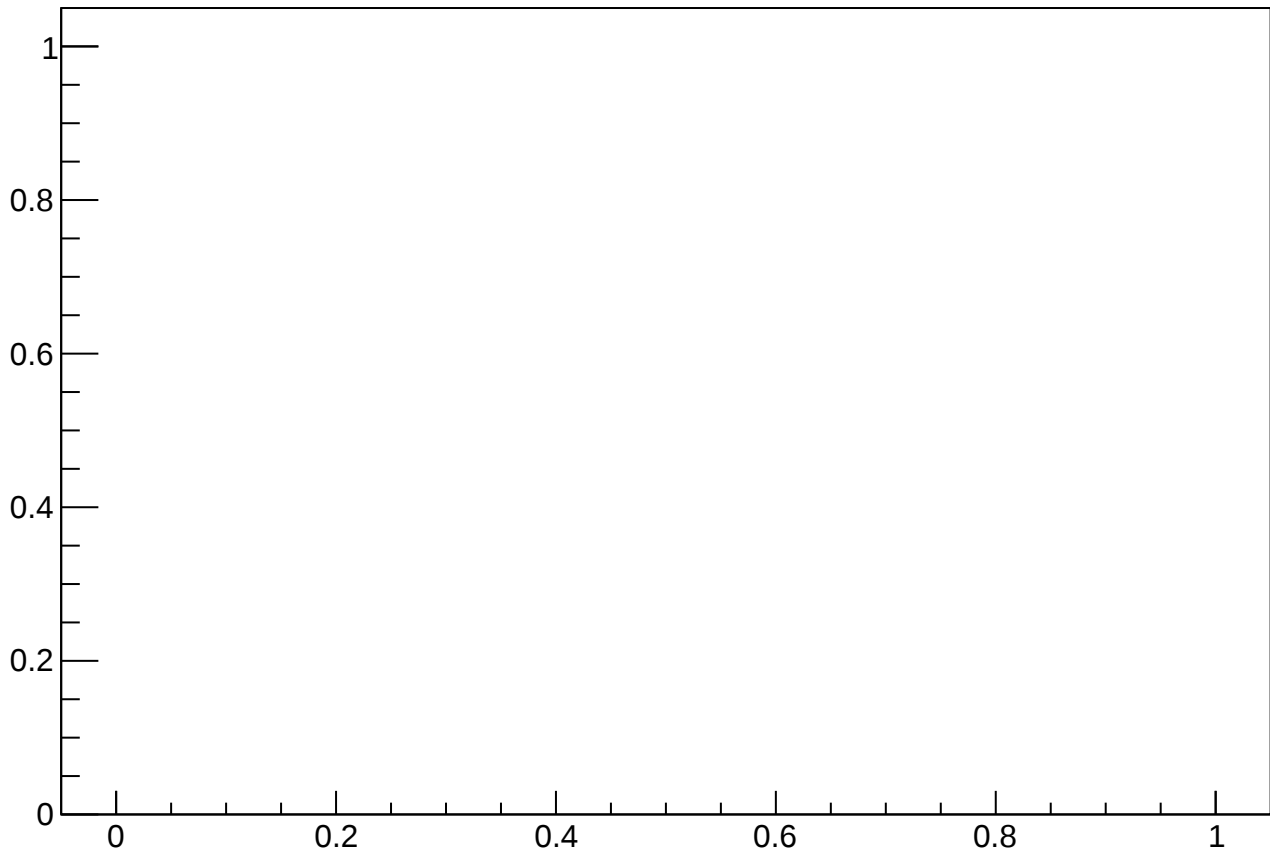
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_ds_dd_mean vs Slug, Sign Corrected



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

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

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

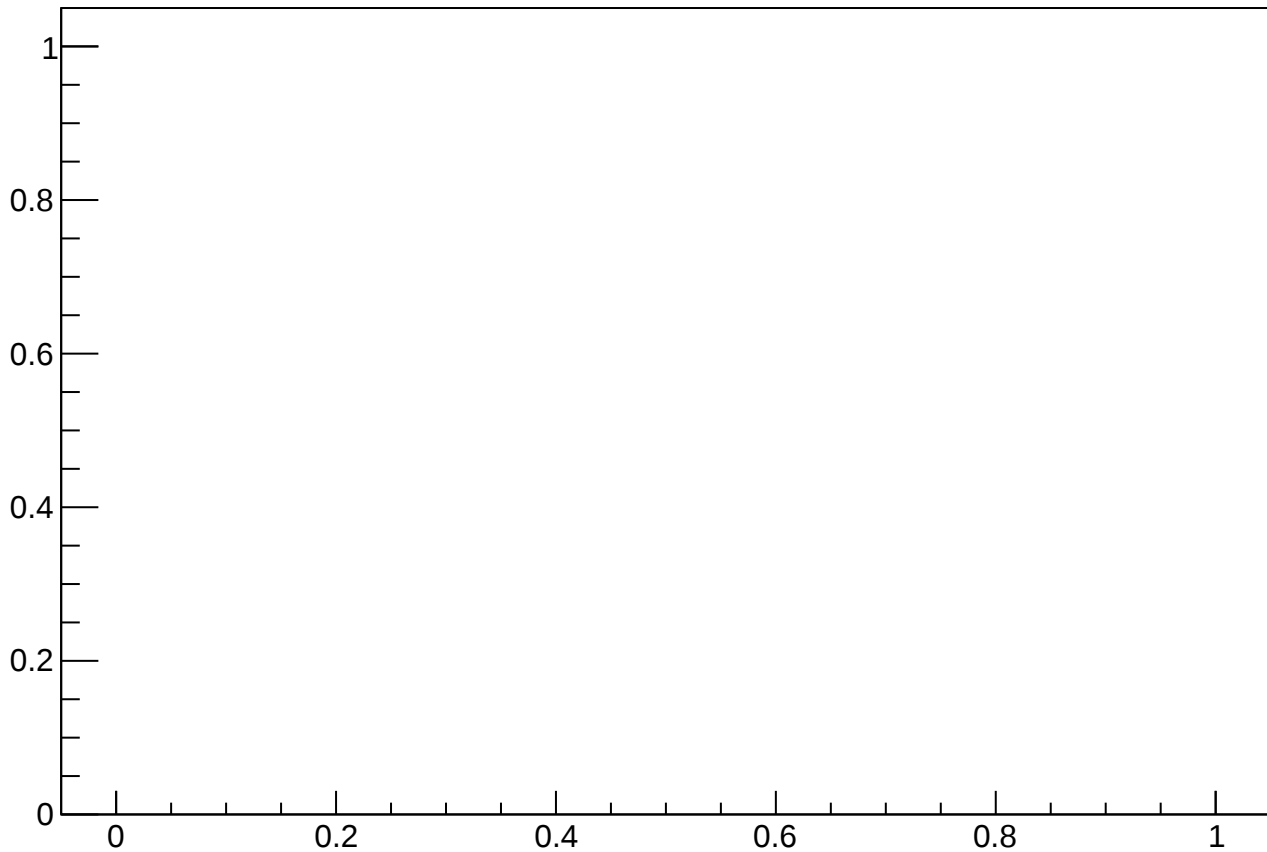
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_dd_rms vs Slug, Sign Corrected



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

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

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

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

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

bcm_dg_ds_ds_dd_mean vs Slug, Sign Corrected



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

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

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

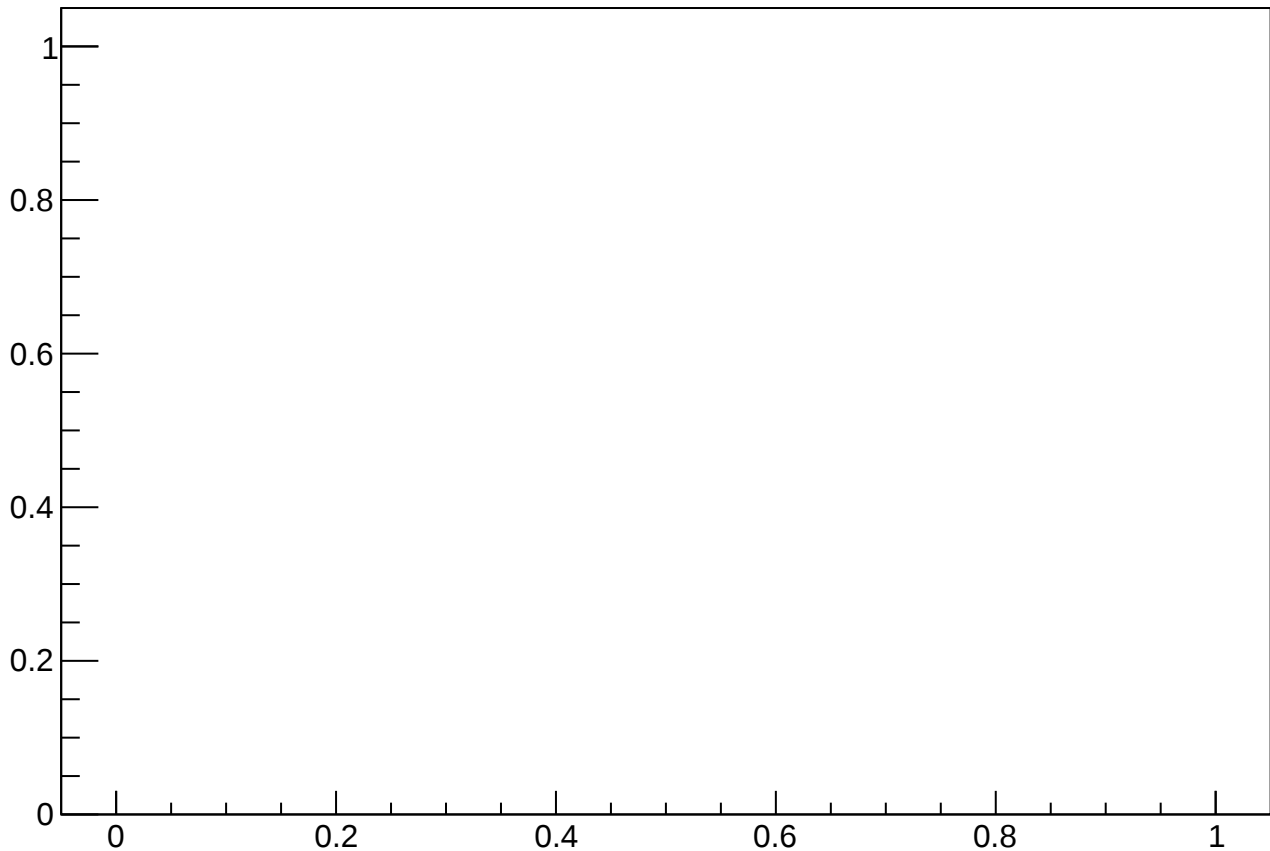
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

bcm_dg_ds_ds_dd_rms vs Slug, Sign Corrected



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

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

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

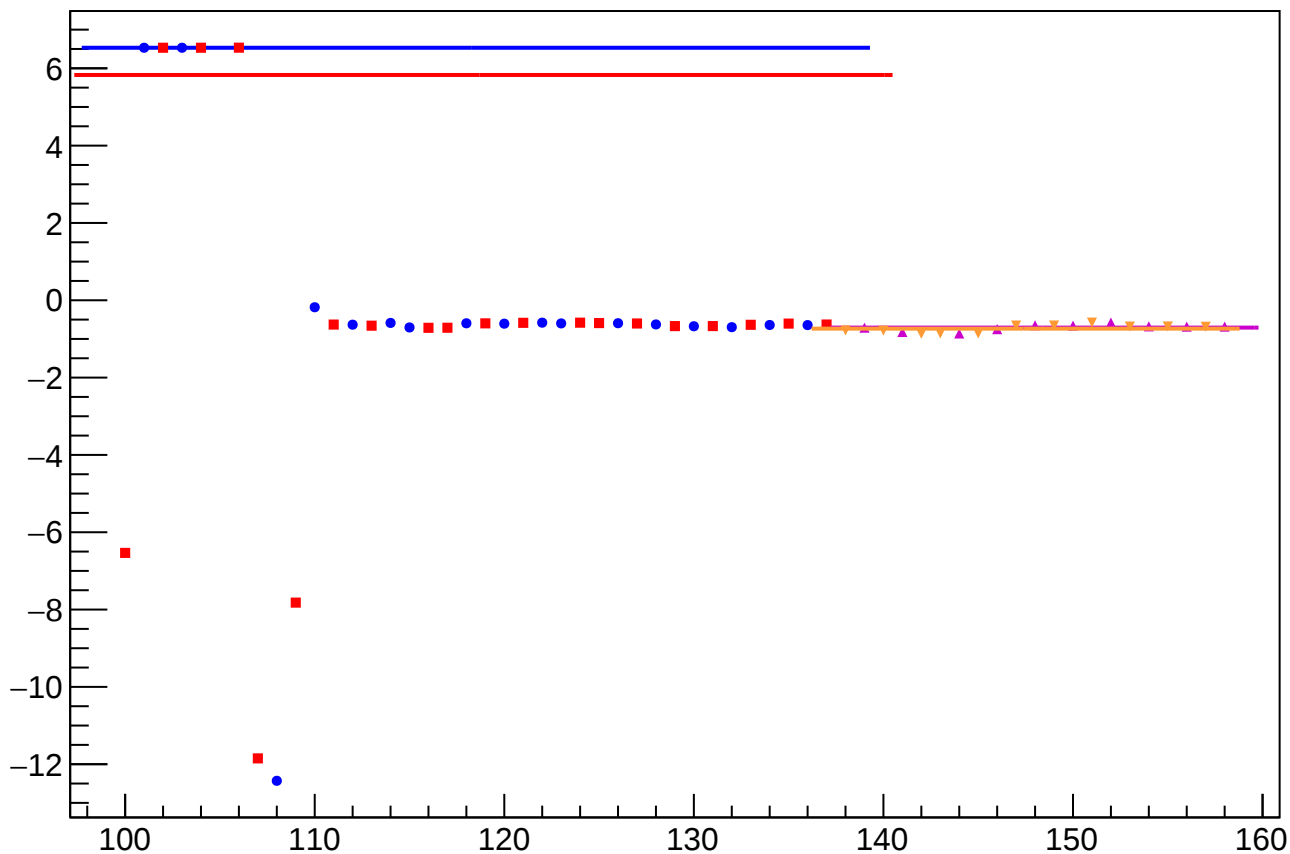
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 6.532+/-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

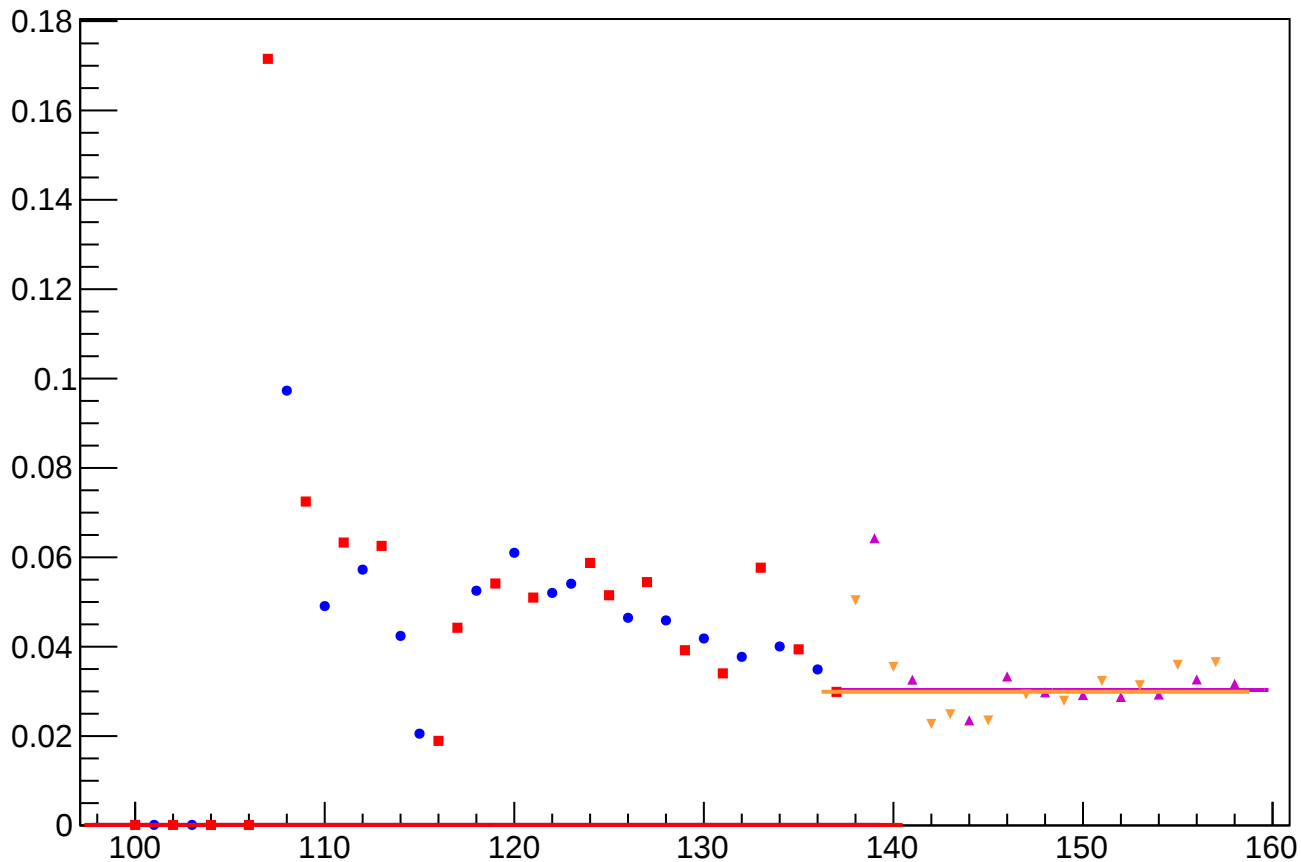
Left In: -0.707+/-0.000 χ^2/NDF : 54599844.8/9

6.531+/-0.000 χ^2/NDF : 497239757728.0/27

6.154+/-0.000 χ^2/NDF : 77675726379871

5.827+/-0.000 χ^2/NDF : 756262537090980.1/29

yield_cav4bX_rms vs Slug, Sign Corrected



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

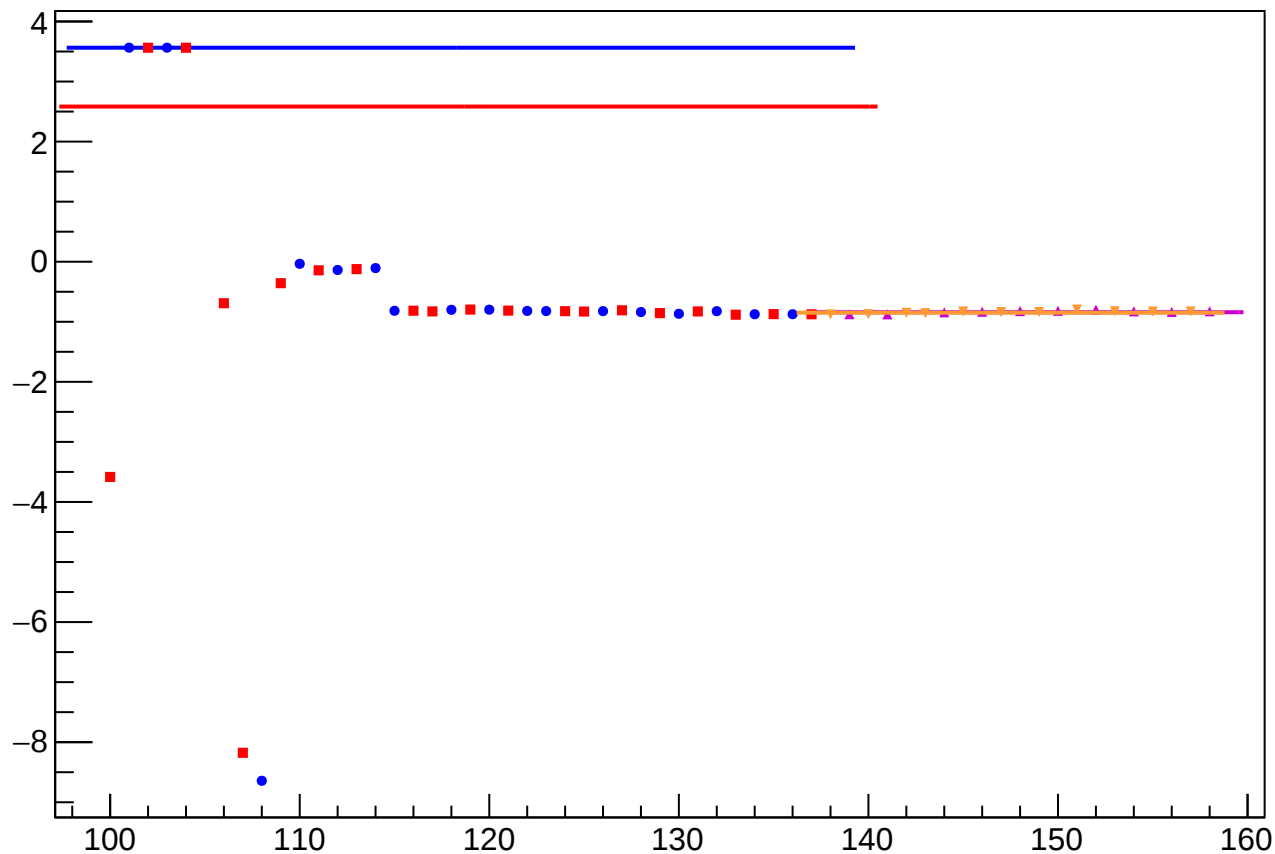
Left In: 0.030+/-0.000 χ^2/NDF : 529087.7/9

0.000+/-0.000 χ^2/NDF : 21832276.2/27

0.000+/-0.000 χ^2/NDF : 44524005.0/57

0.000+/-0.000 χ^2/NDF : 22691381.5/29

yield_cav4bY_mean vs Slug, Sign Corrected



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

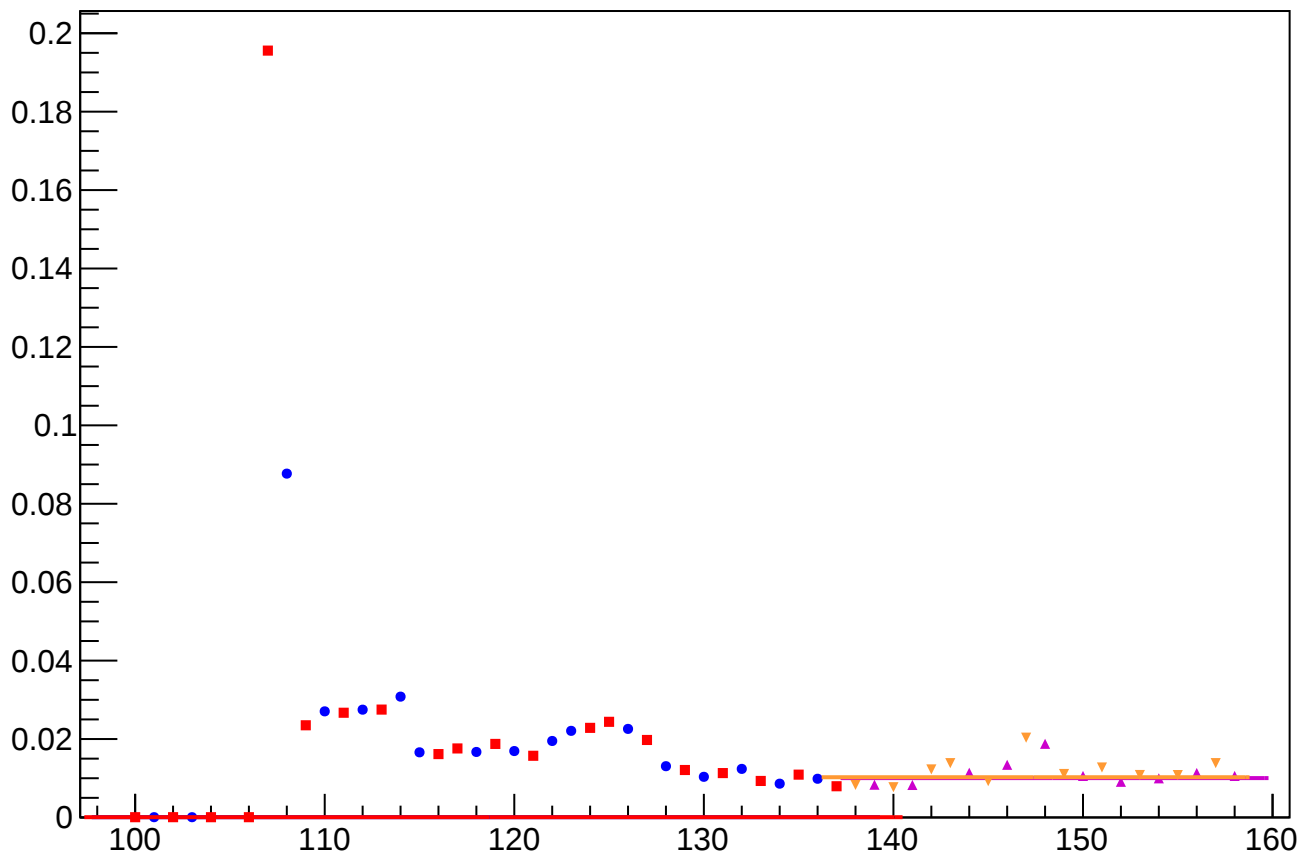
Left In: -0.841+/-0.000 χ^2/NDF : 48568772.0/9

3.562+/-0.000 χ^2/NDF : 1598859668689.2/27

3.039+/-0.000 χ^2/NDF : 13840540380812

2.583+/-0.000 χ^2/NDF : 1254226995580310.0/27

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9724059.3/16

Left Out: 0.010+/-0.000 χ^2/NDF : 803757.0/10

Right Out: 0.000+/-0.000 χ^2/NDF : 9937459.6/19

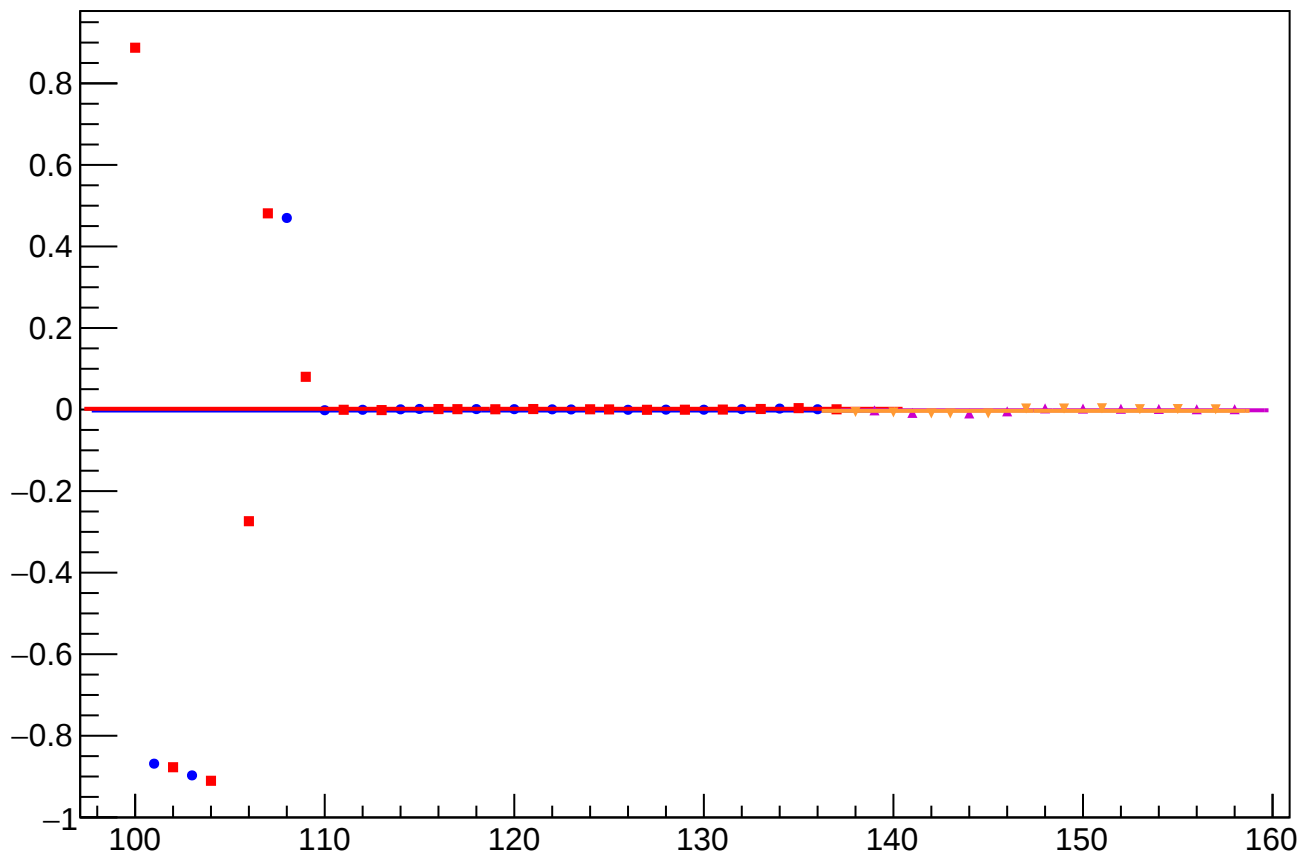
Left In: 0.010+/-0.000 χ^2/NDF : 553980.4/9

0.000+/-0.000 χ^2/NDF : 22445979.1/27

0.000+/-0.000 χ^2/NDF : 45201978.7/57

0.000+/-0.000 χ^2/NDF : 22755618.2/29

yield_cav4cX_mean vs Slug, Sign Corrected



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

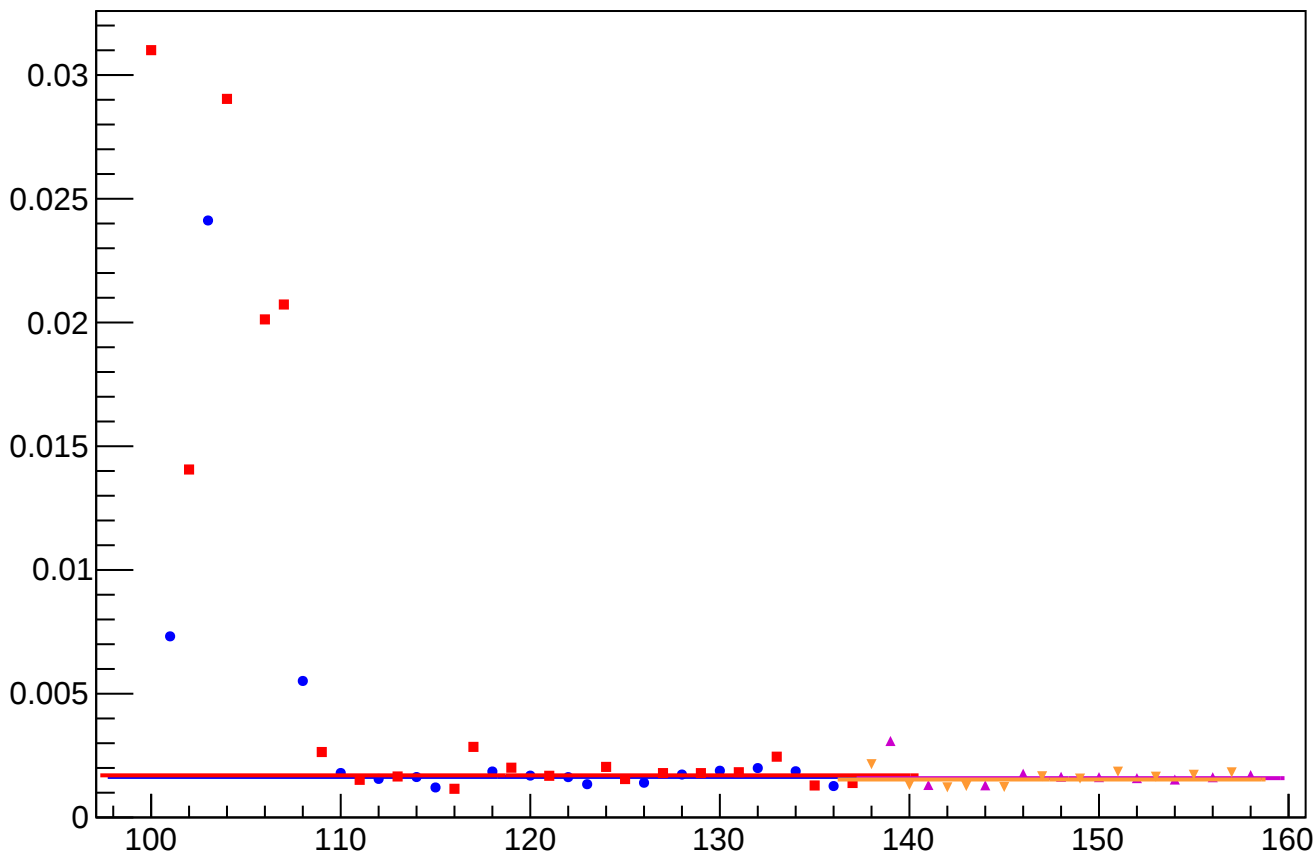
Left In: -0.002+/-0.000 χ^2/NDF : 57299325.7/9

-0.003+/-0.000 χ^2/NDF : 9870656677.2/27

-0.002+/-0.000 χ^2/NDF : 12994413992.5/5

-0.000+/-0.000 χ^2/NDF : 3111262067.6/29

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 1916349.1/16

Left Out: 0.002+/-0.000 χ^2/NDF : 376180.2/10

Right Out: 0.002+/-0.000 χ^2/NDF : 3037006.7/19

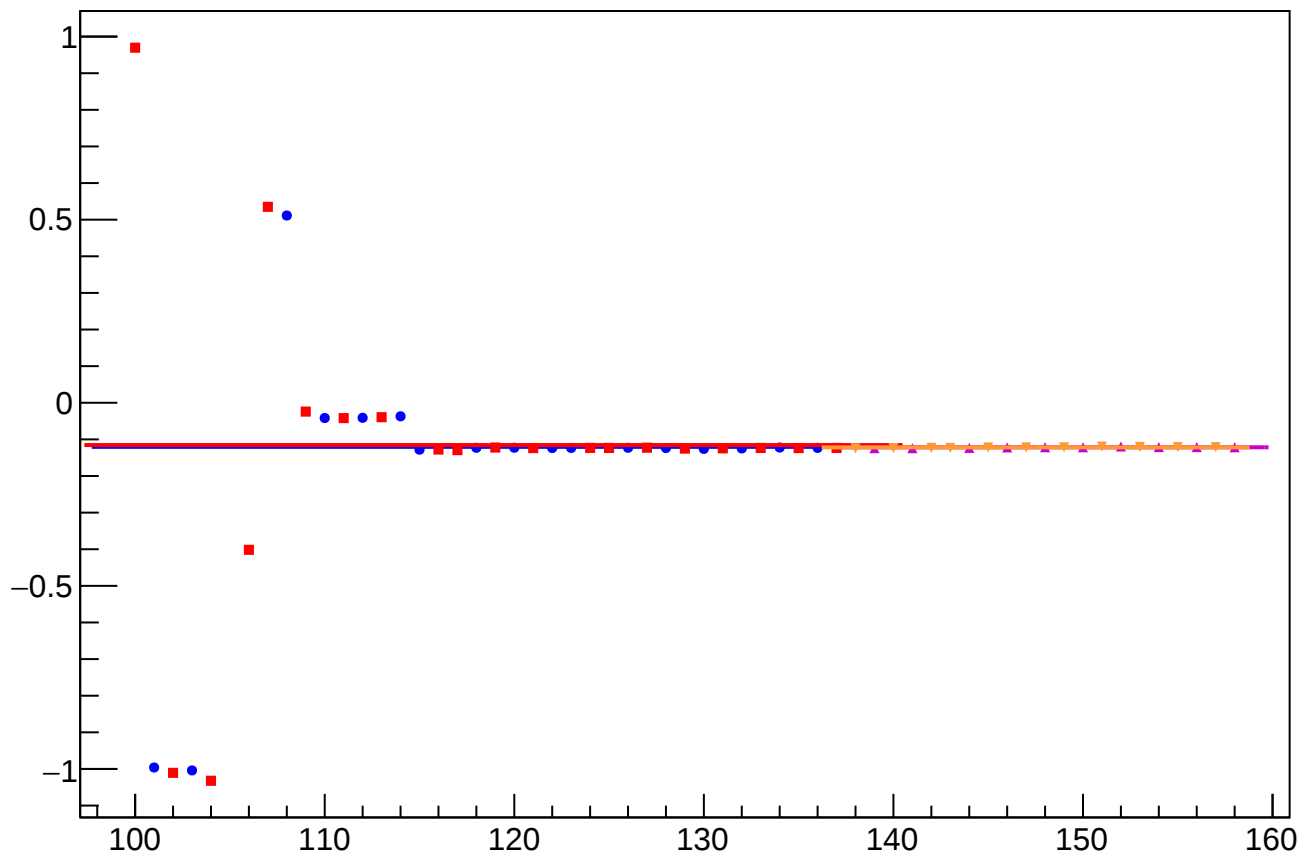
Left In: 0.002+/-0.000 χ^2/NDF : 478819.5/9

0.002+/-0.000 χ^2/NDF : 2314728.9/27

0.002+/-0.000 χ^2/NDF : 5868955.4/57

0.002+/-0.000 χ^2/NDF : 3540670.7/29

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.120+/-0.000 χ^2/NDF : 3932144335.2/16

Left Out: -0.122+/-0.000 χ^2/NDF : 9629461.4/10

Right Out: -0.115+/-0.000 χ^2/NDF : 2458475073.1/19

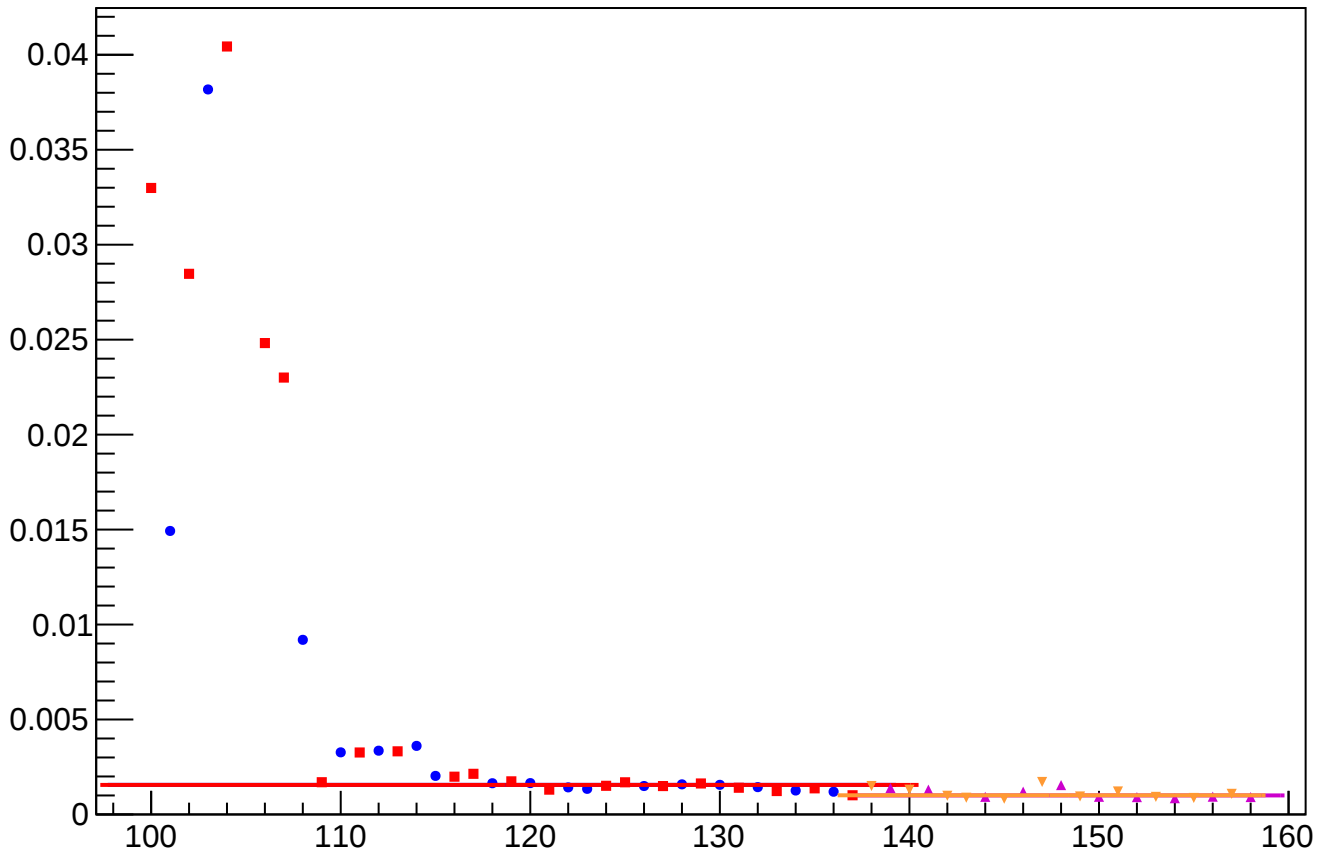
Left In: -0.122+/-0.000 χ^2/NDF : 12861512.3/9

-0.122+/-0.000 χ^2/NDF : 3945205958.2/27

-0.121+/-0.000 χ^2/NDF : 6479428332.6/5

-0.120+/-0.000 χ^2/NDF : 2527821704.6/29

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 2901093.3/16

Left Out: 0.001+/-0.000 χ^2/NDF : 662520.4/10

Right Out: 0.002+/-0.000 χ^2/NDF : 3545212.9/19

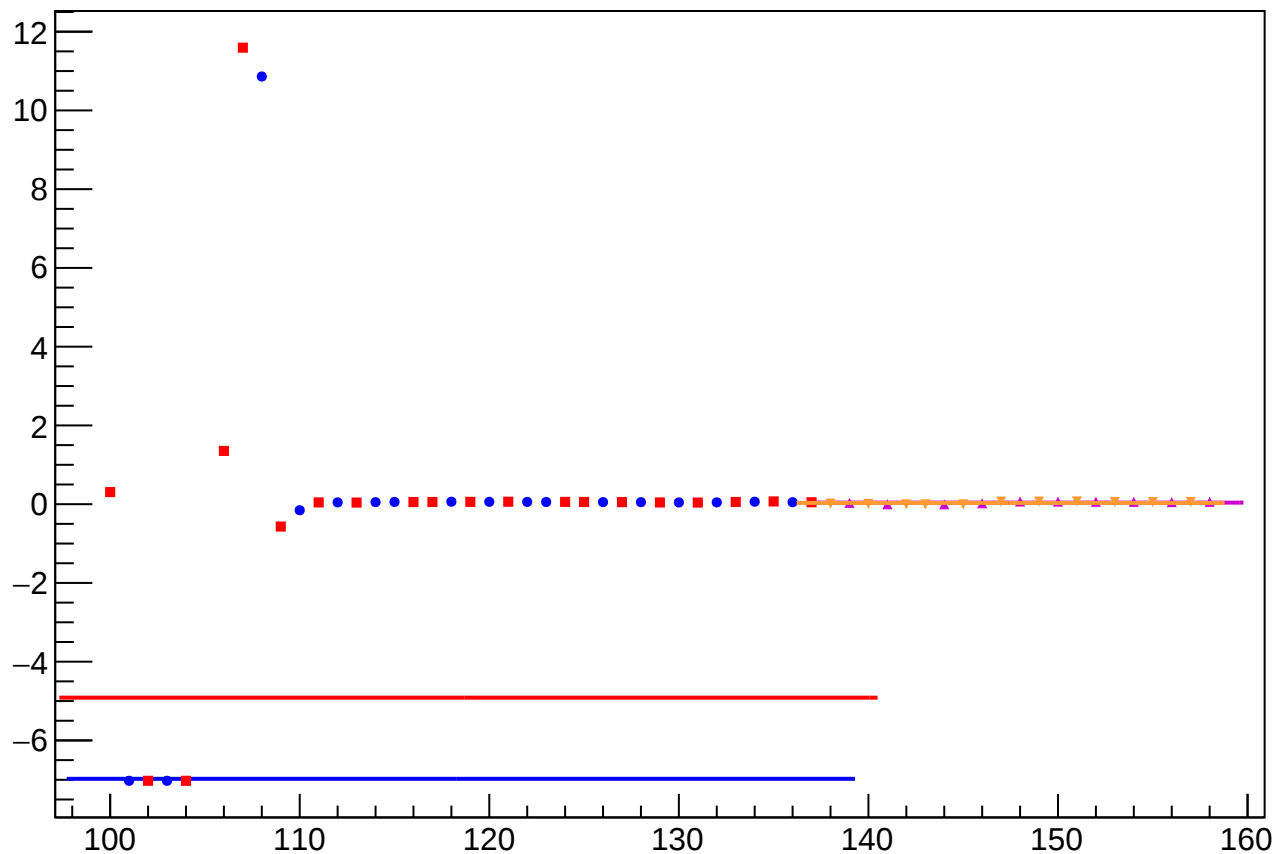
Left In: 0.001+/-0.000 χ^2/NDF : 514529.4/9

0.001+/-0.000 χ^2/NDF : 4458052.8/27

0.001+/-0.000 χ^2/NDF : 9443842.7/57

0.001+/-0.000 χ^2/NDF : 4985179.1/29

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975 $\pm$ 0.000 χ^2/NDF : 8749579700722.8/16

Left Out: 0.032 $\pm$ 0.000 χ^2/NDF : 74584545.0/10

Right Out: -4.914 $\pm$ 0.000 χ^2/NDF : 365362121338855.3/19

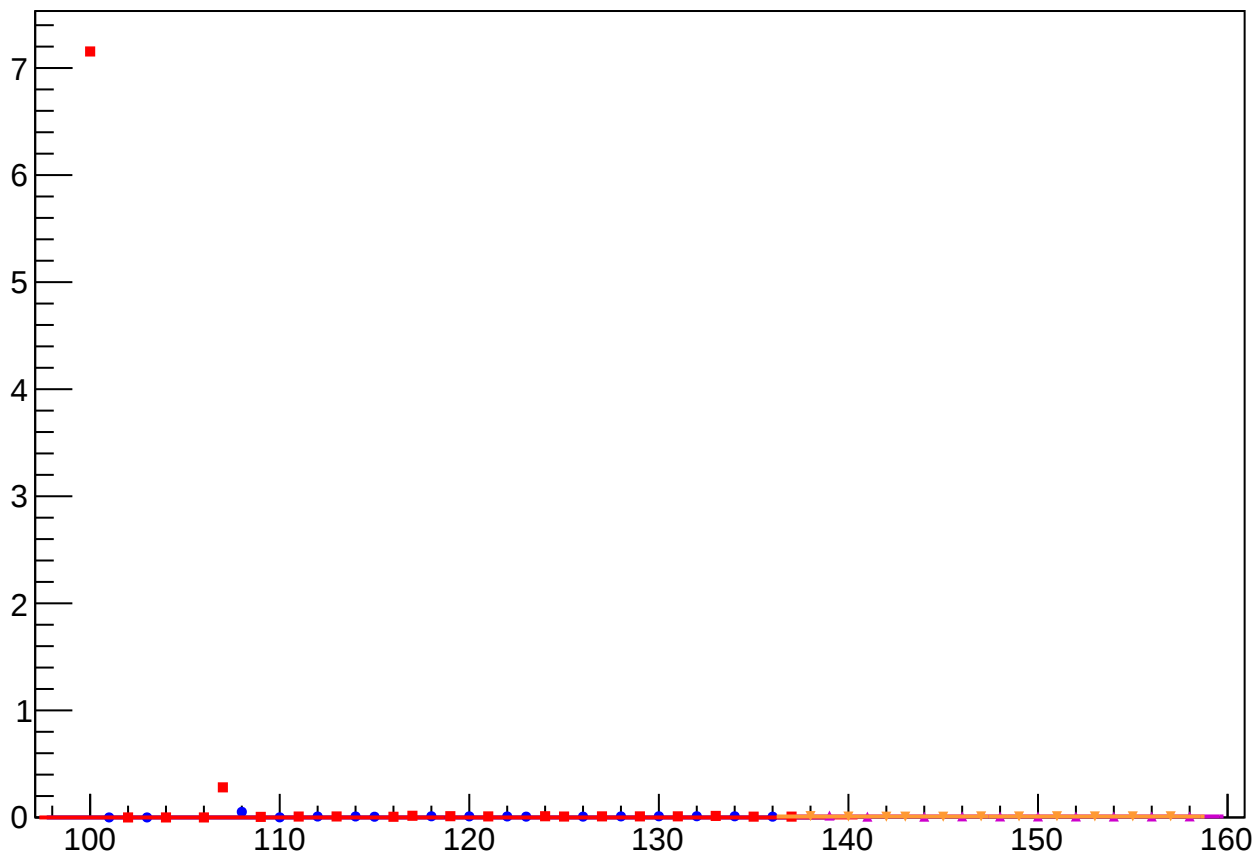
Left In: 0.040 $\pm$ 0.000 χ^2/NDF : 62747384.3/9

-6.954 $\pm$ 0.000 χ^2/NDF : 12493228396944.5/27

-5.883 $\pm$ 0.000 χ^2/NDF : 4356143359039

-4.900 $\pm$ 0.000 χ^2/NDF : 367183041006572.2/2

yield_cav4dX_rms vs Slug, Sign Corrected



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

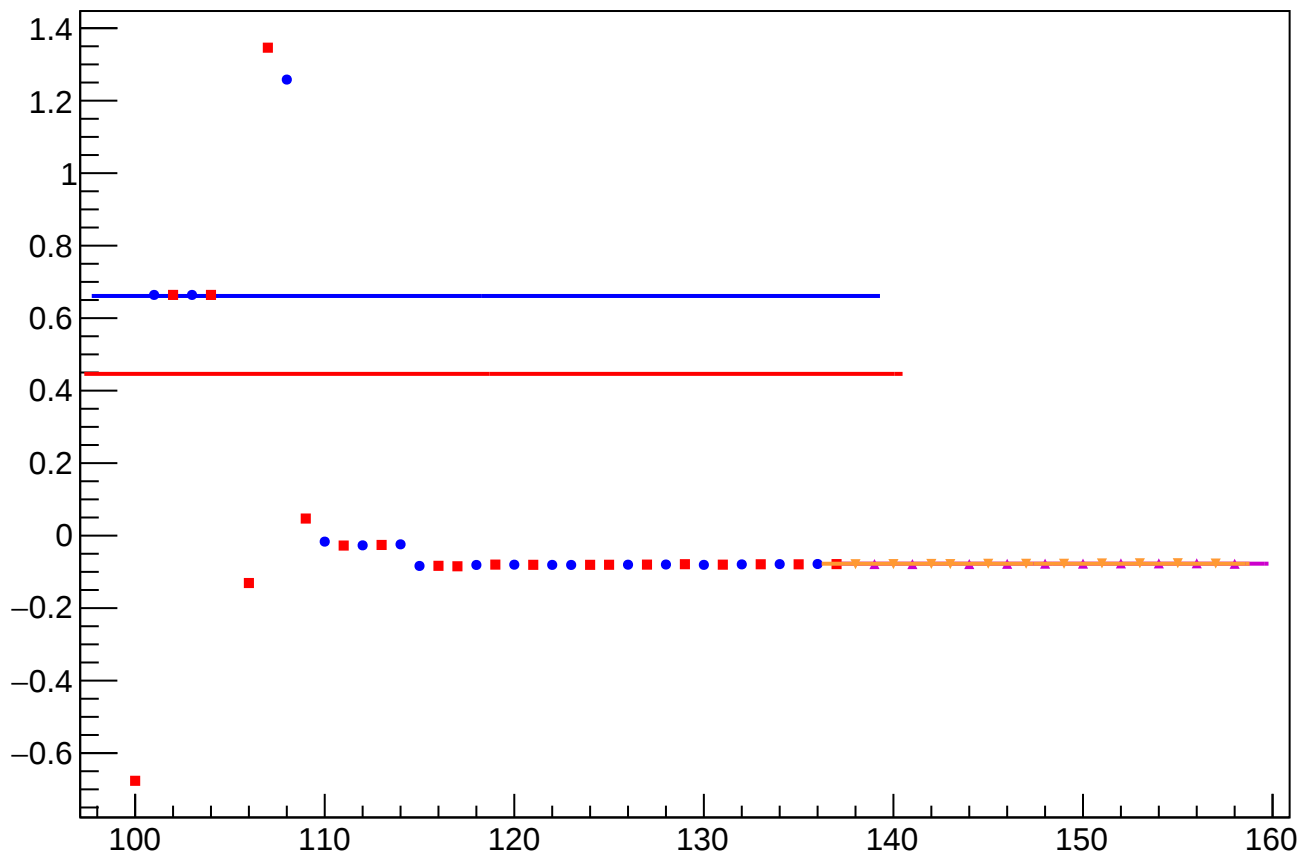
Left In: 0.009+/-0.000 χ^2/NDF : 480185.9/9

0.000+/-0.000 χ^2/NDF : 20568733.2/27

0.000+/-0.000 χ^2/NDF : 42242248.4/57

0.000+/-0.000 χ^2/NDF : 21672753.2/29

yield_cav4dY_mean vs Slug, Sign Corrected



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

Right Out: 0.446 $\pm$ 0.000 χ^2/NDF : 405423069582977.9/19

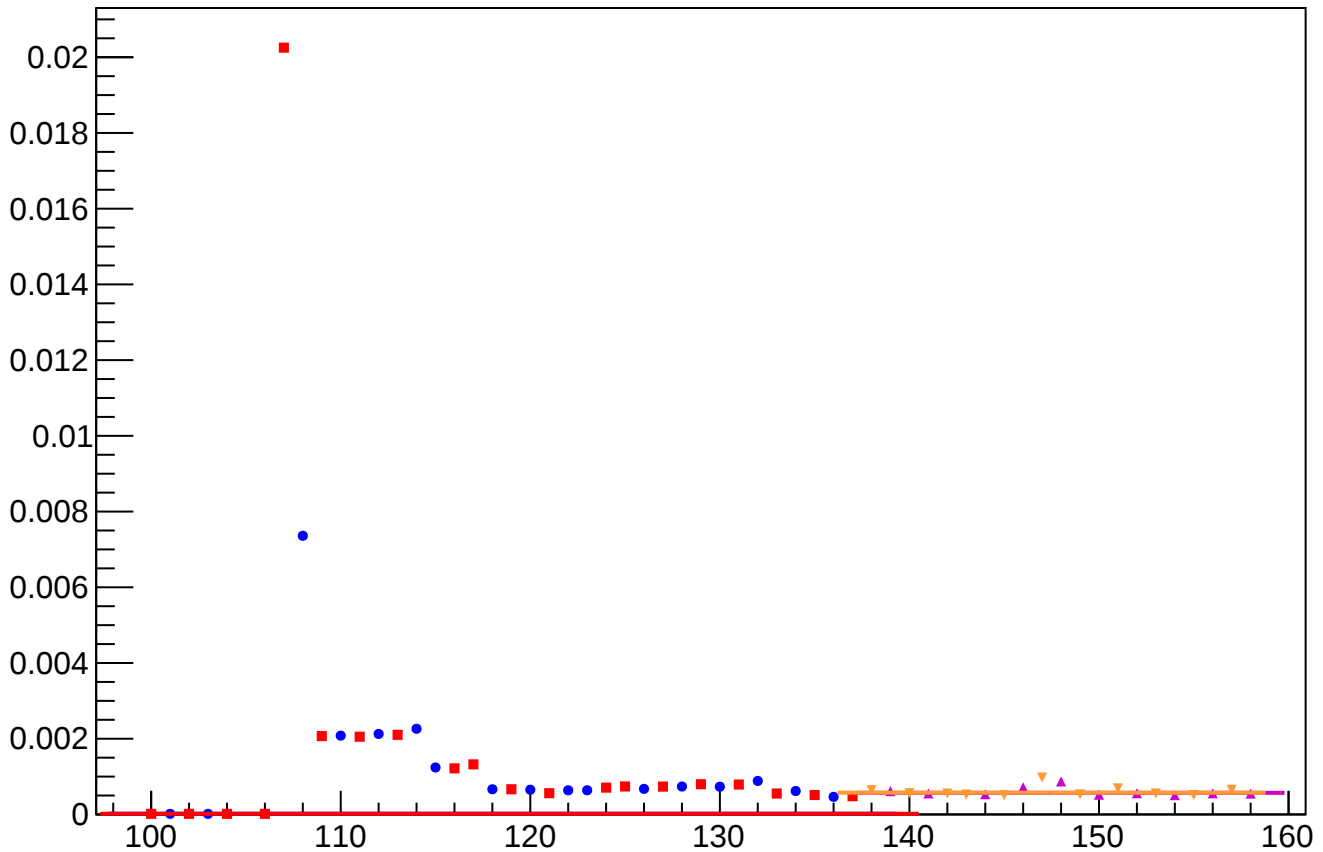
Left In: -0.077 $\pm$ 0.000 χ^2/NDF : 15015038.5/9

0.655 $\pm$ 0.000 χ^2/NDF : 17967924593918.1/27

0.544 $\pm$ 0.000 χ^2/NDF : 49210209944841

0.442 $\pm$ 0.000 χ^2/NDF : 411896267846177.3/29

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9874012.7/16

Left Out: 0.001+/-0.000 χ^2/NDF : 400543.5/10

Right Out: 0.000+/-0.000 χ^2/NDF : 9555089.8/19

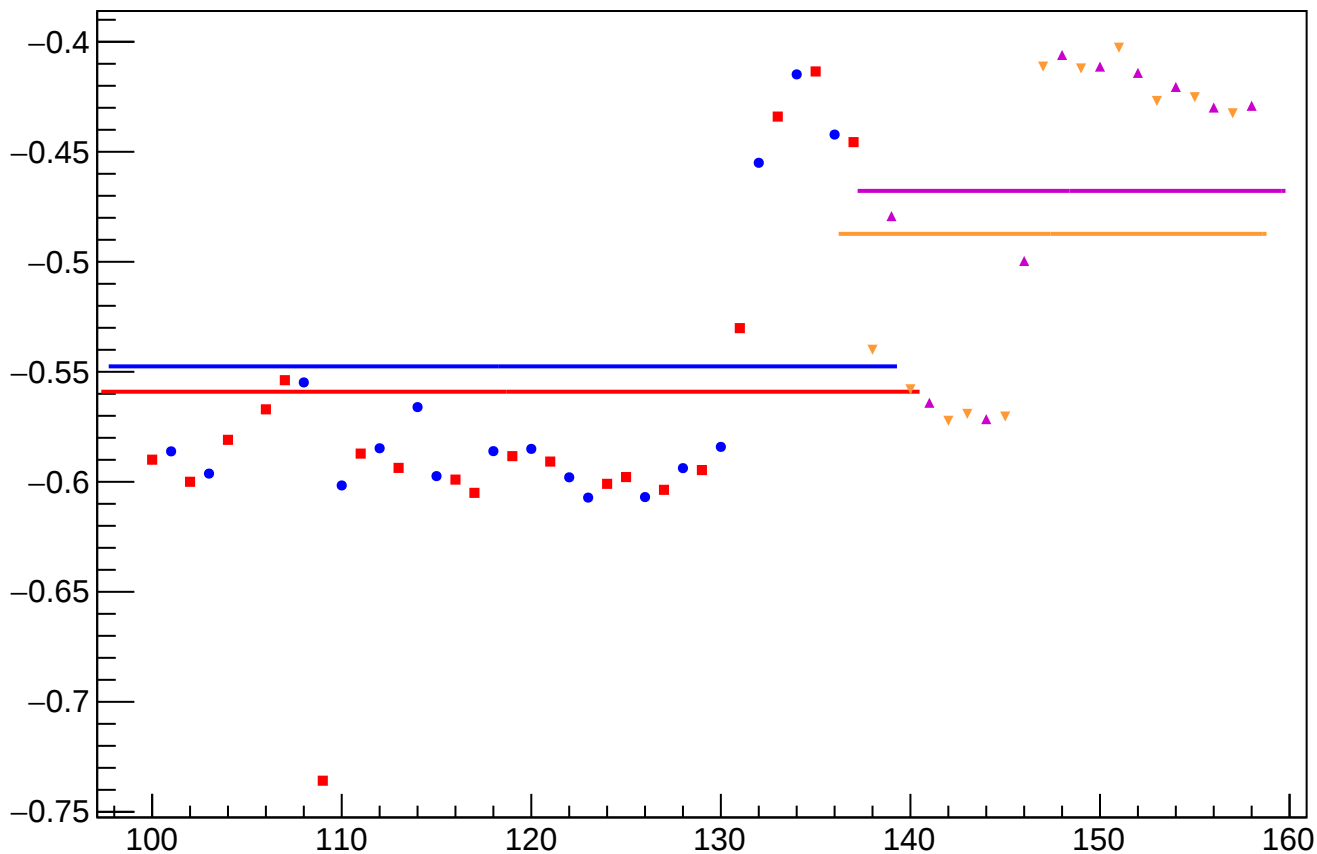
Left In: 0.001+/-0.000 χ^2/NDF : 303830.7/9

0.000+/-0.000 χ^2/NDF : 24316694.5/27

0.000+/-0.000 χ^2/NDF : 48594202.4/57

0.000+/-0.000 χ^2/NDF : 24277244.2/29

yield_bpm4aX_mean vs Slug, Sign Corrected



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

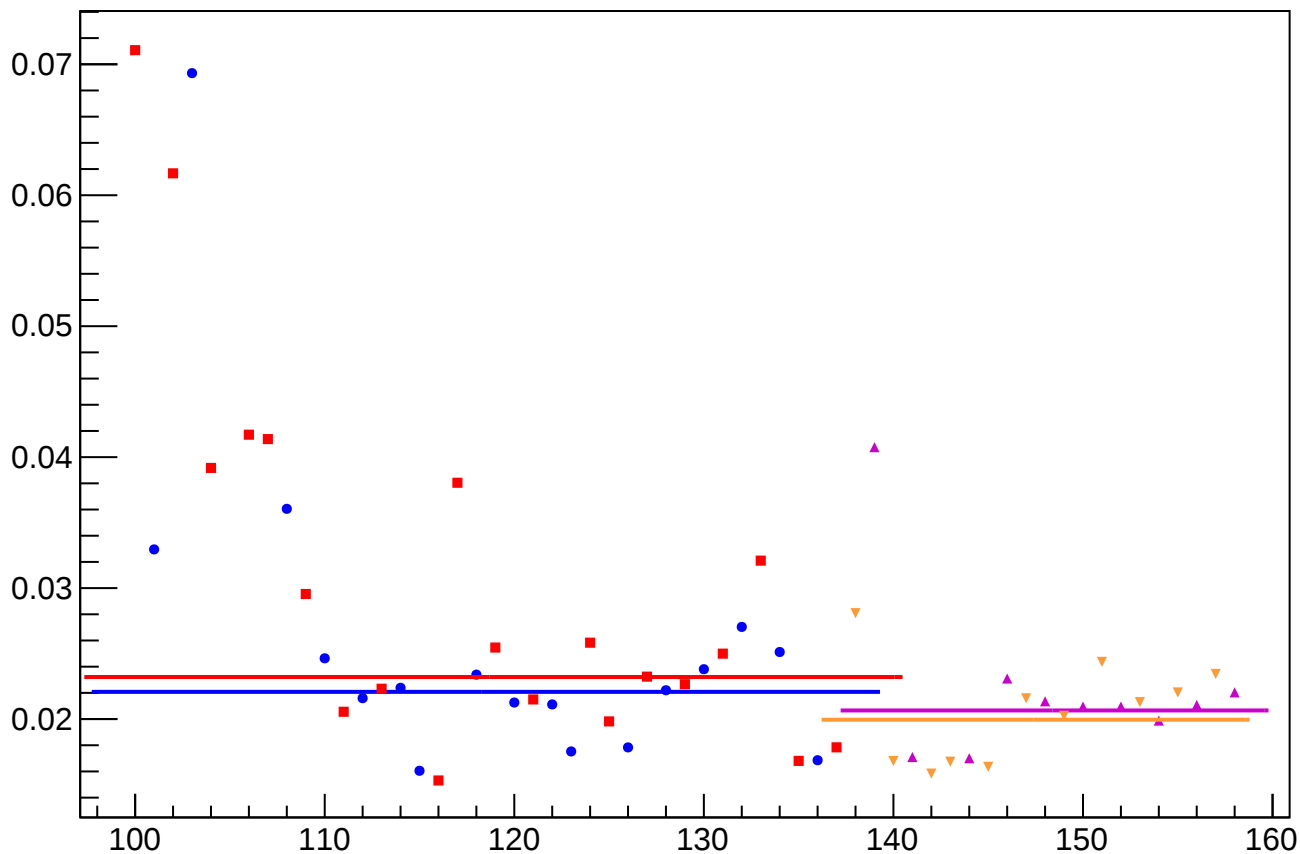
Left In: -0.468+/-0.000 χ^2/NDF : 66043786.8/9

-0.511+/-0.000 χ^2/NDF : 155357687.7/27

-0.508+/-0.000 χ^2/NDF : 337306236.6/57

-0.504+/-0.000 χ^2/NDF : 181287851.2/29

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 954779.5/16

Left Out: 0.020+/-0.000 χ^2/NDF : 359397.9/10

Right Out: 0.023+/-0.000 χ^2/NDF : 1169013.8/19

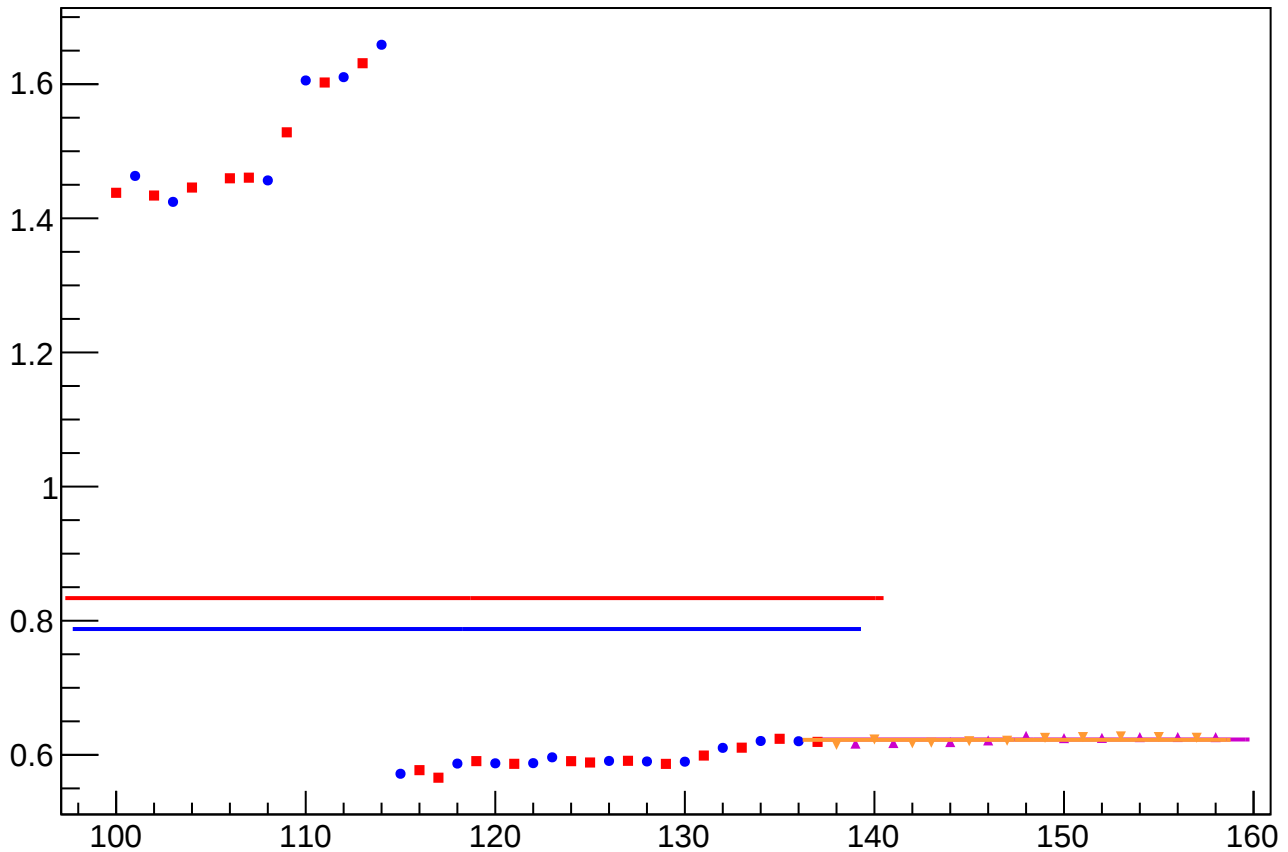
Left In: 0.021+/-0.000 χ^2/NDF : 482439.6/9

0.021+/-0.000 χ^2/NDF : 1370457.9/27

0.021+/-0.000 χ^2/NDF : 3119391.2/57

0.022+/-0.000 χ^2/NDF : 1729427.8/29

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.788 ± 0.000 χ^2/NDF : 3581400502.4/16

Left Out: 0.622 ± 0.000 χ^2/NDF : 813433.3/10

Right Out: 0.834 ± 0.000 χ^2/NDF : 4155673215.9/19

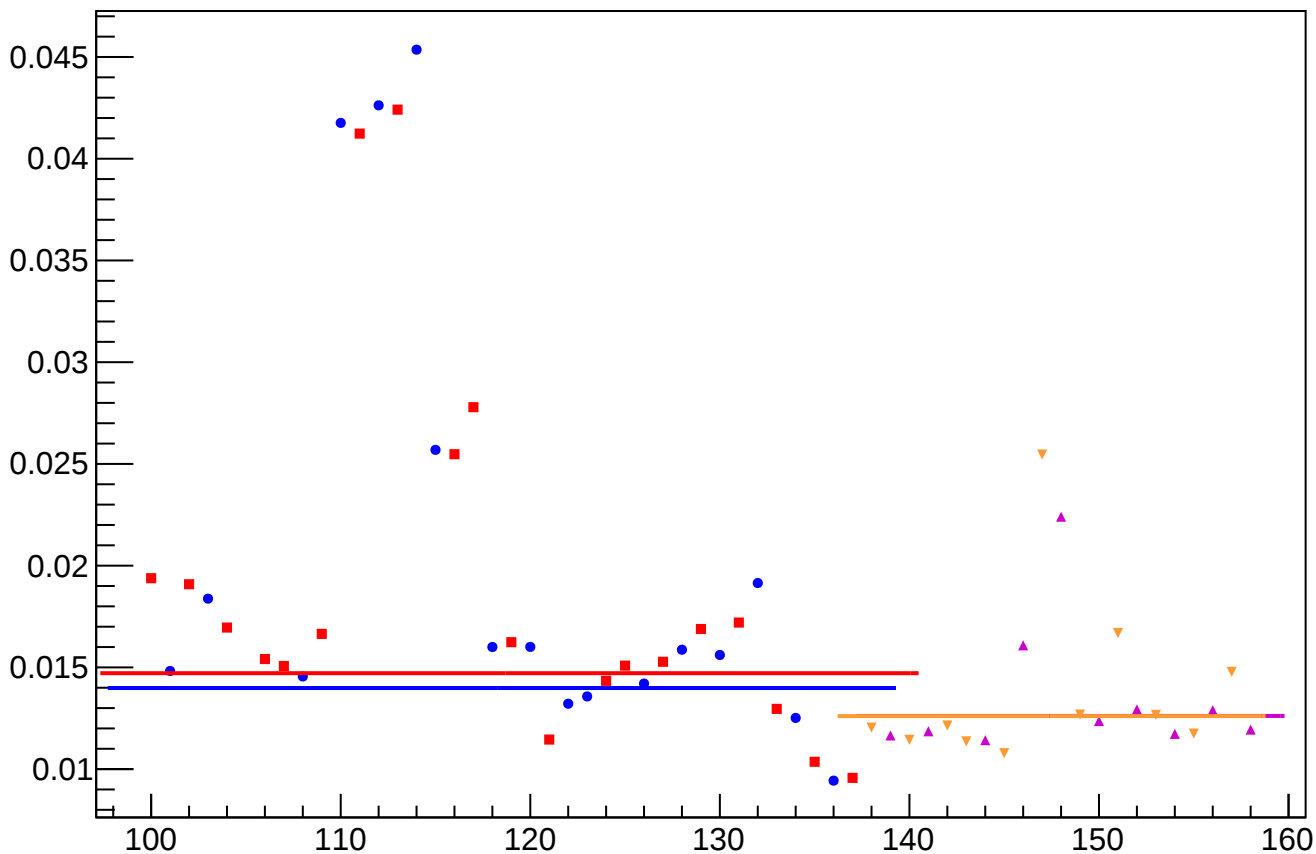
Left In: 0.623 ± 0.000 χ^2/NDF : 761895.1/9

0.685 ± 0.000 χ^2/NDF : 4070377607.6/27

0.692 ± 0.000 χ^2/NDF : 9022350907.7/57

0.700 ± 0.000 χ^2/NDF : 4943367727.9/29

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 1398505.7/16

Left Out: 0.013 $\pm$ 0.000 χ^2/NDF : 582543.4/10

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1275472.3/19

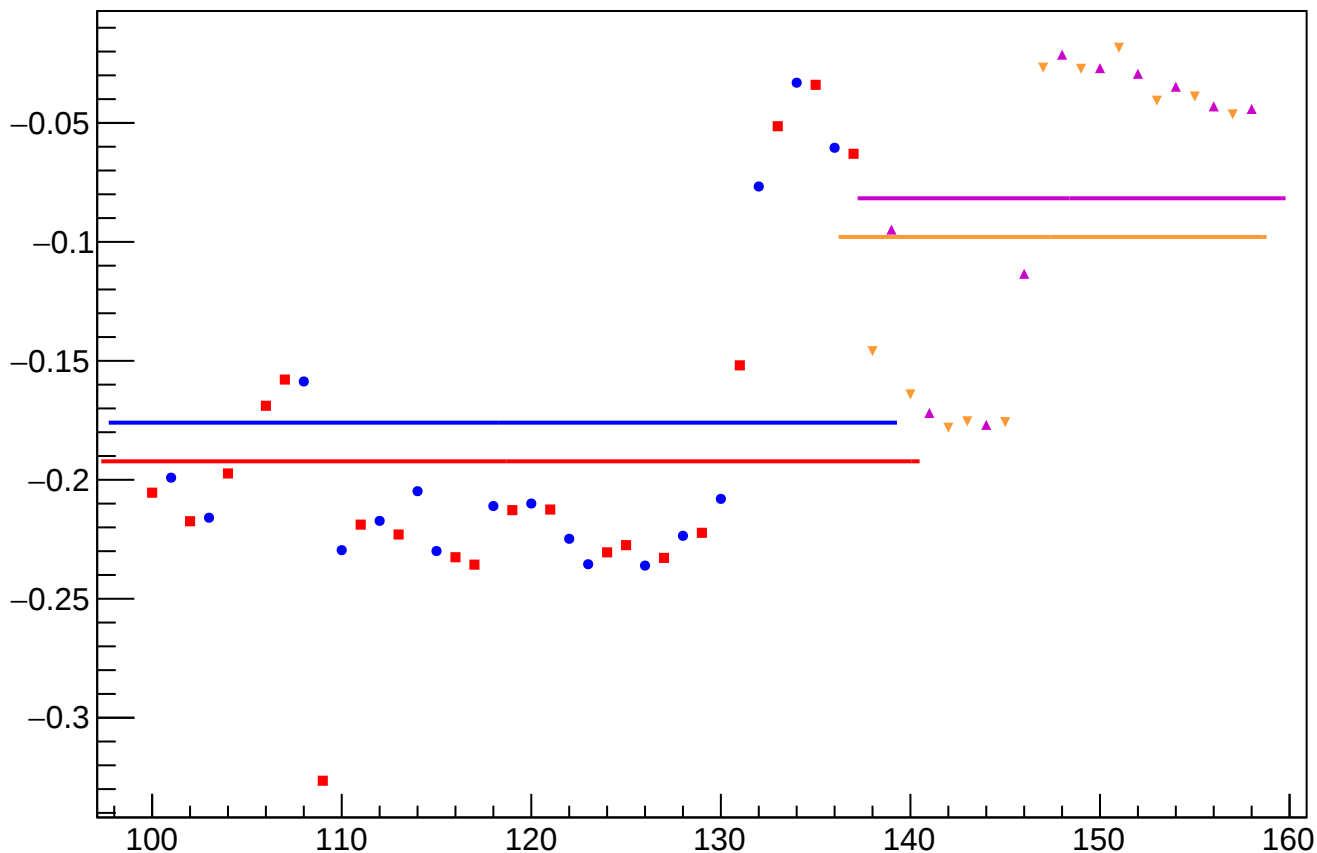
Left In: 0.013 $\pm$ 0.000 χ^2/NDF : 409115.7/9

0.013 $\pm$ 0.000 χ^2/NDF : 2049120.5/27

0.013 $\pm$ 0.000 χ^2/NDF : 3894901.4/57

0.013 $\pm$ 0.000 χ^2/NDF : 1840874.8/29

yield_bpm4eX_mean vs Slug, Sign Corrected



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

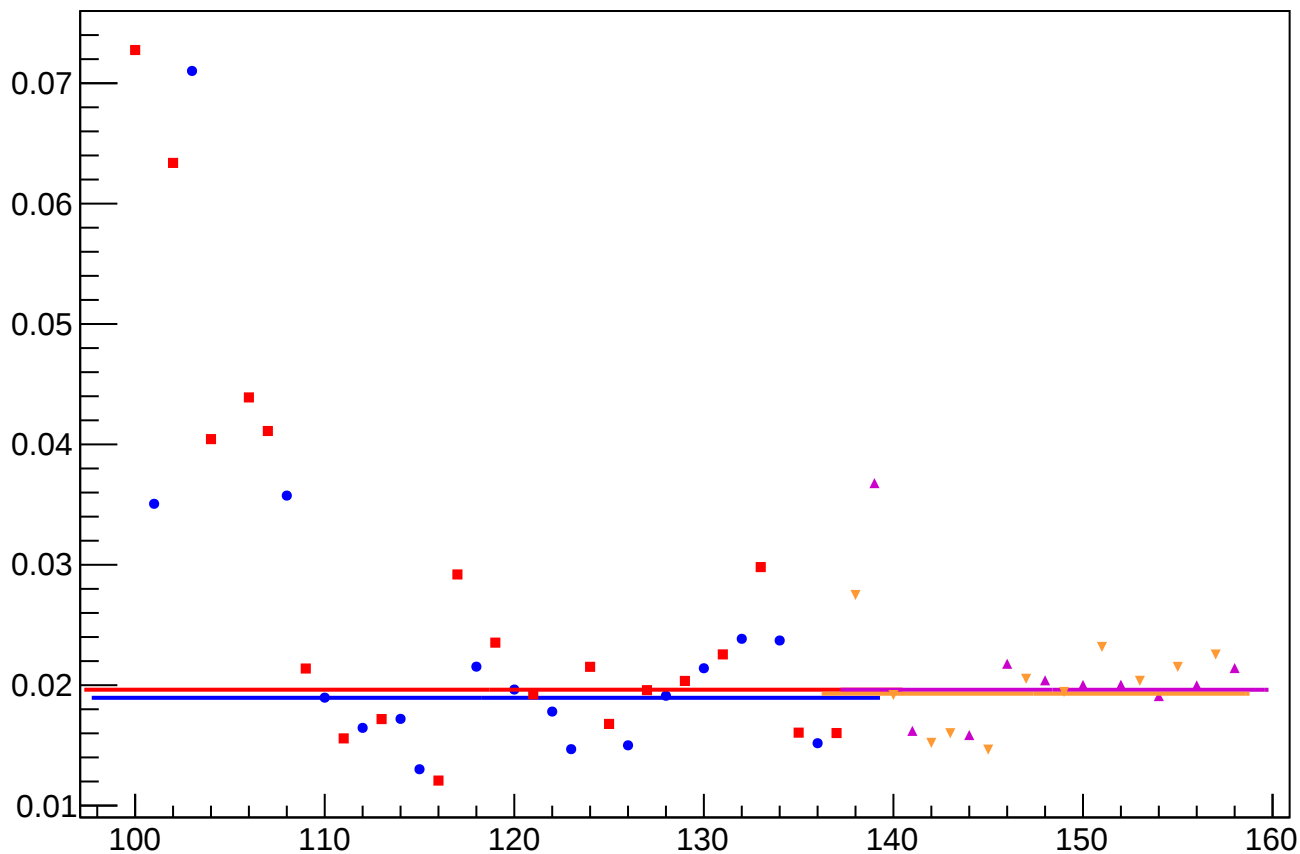
Left In: -0.082+/-0.000 χ^2/NDF : 67070396.5/9

-0.133+/-0.000 χ^2/NDF : 198095599.8/27

-0.132+/-0.000 χ^2/NDF : 440195649.5/57

-0.131+/-0.000 χ^2/NDF : 242046380.2/29

yield_bpm4eX_rms vs Slug, Sign Corrected



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

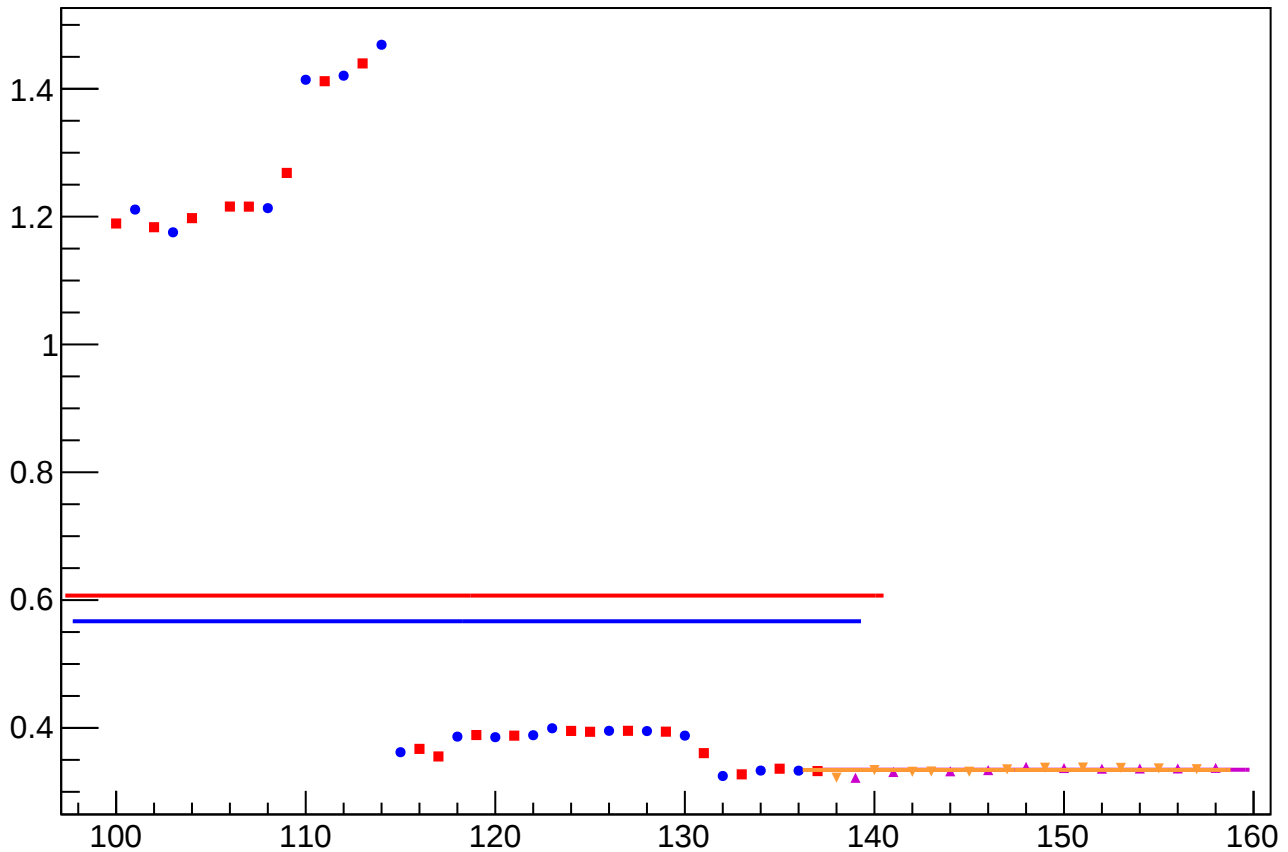
Left In: 0.020+/-0.000 χ^2/NDF : 464196.7/9

0.019+/-0.000 χ^2/NDF : 1592756.0/27

0.019+/-0.000 χ^2/NDF : 3528070.6/57

0.020+/-0.000 χ^2/NDF : 1928180.2/29

yield_bpm4eY_mean vs Slug, Sign Corrected



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

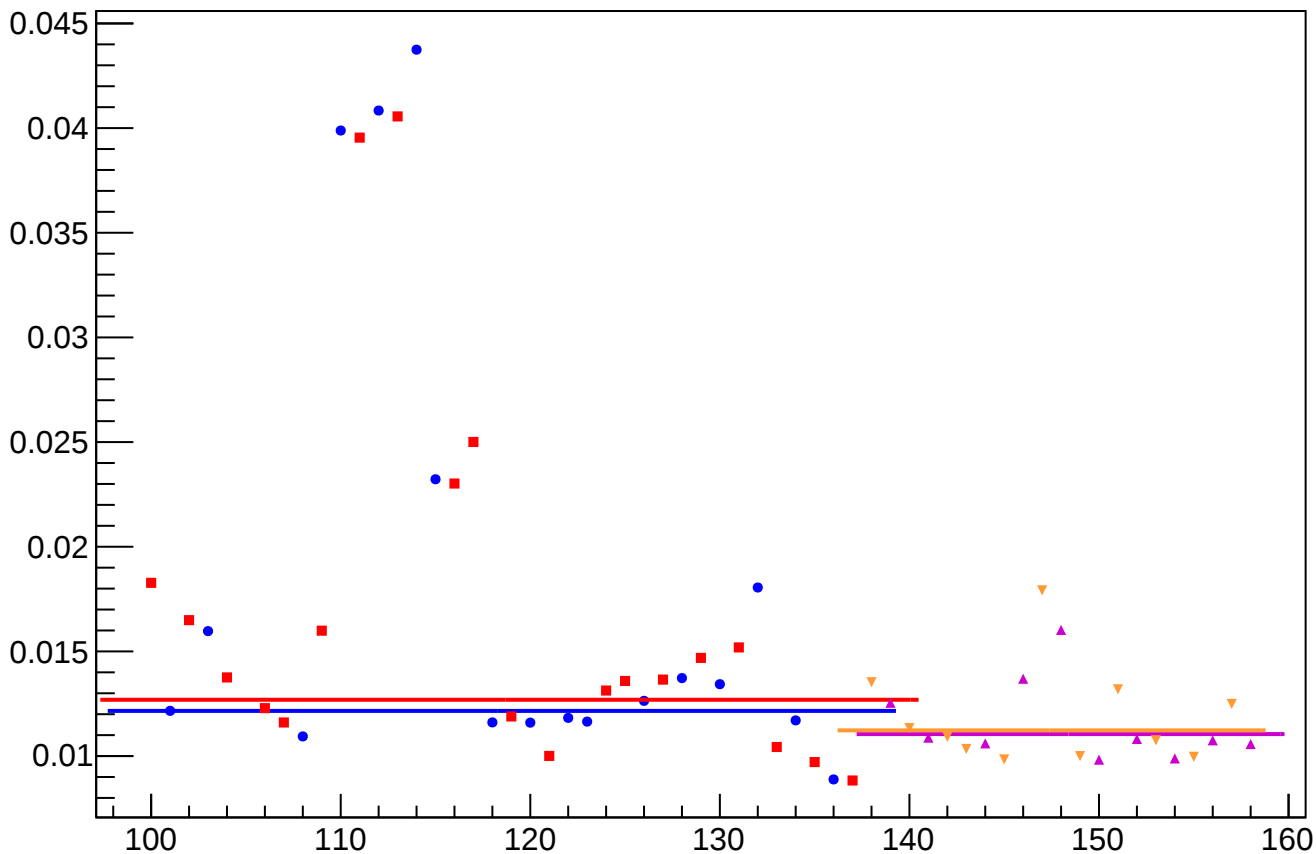
Left In: 0.335 $\pm$ 0.000 χ^2 /NDF: 1107554.0/9

0.424 $\pm$ 0.000 χ^2 /NDF: 6275758597.8/27

0.429 $\pm$ 0.000 χ^2 /NDF: 13519849748.6/5

0.434 $\pm$ 0.000 χ^2 /NDF: 7239082361.7/29

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2/NDF : 1307948.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 387317.0/10

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 1285911.2/19

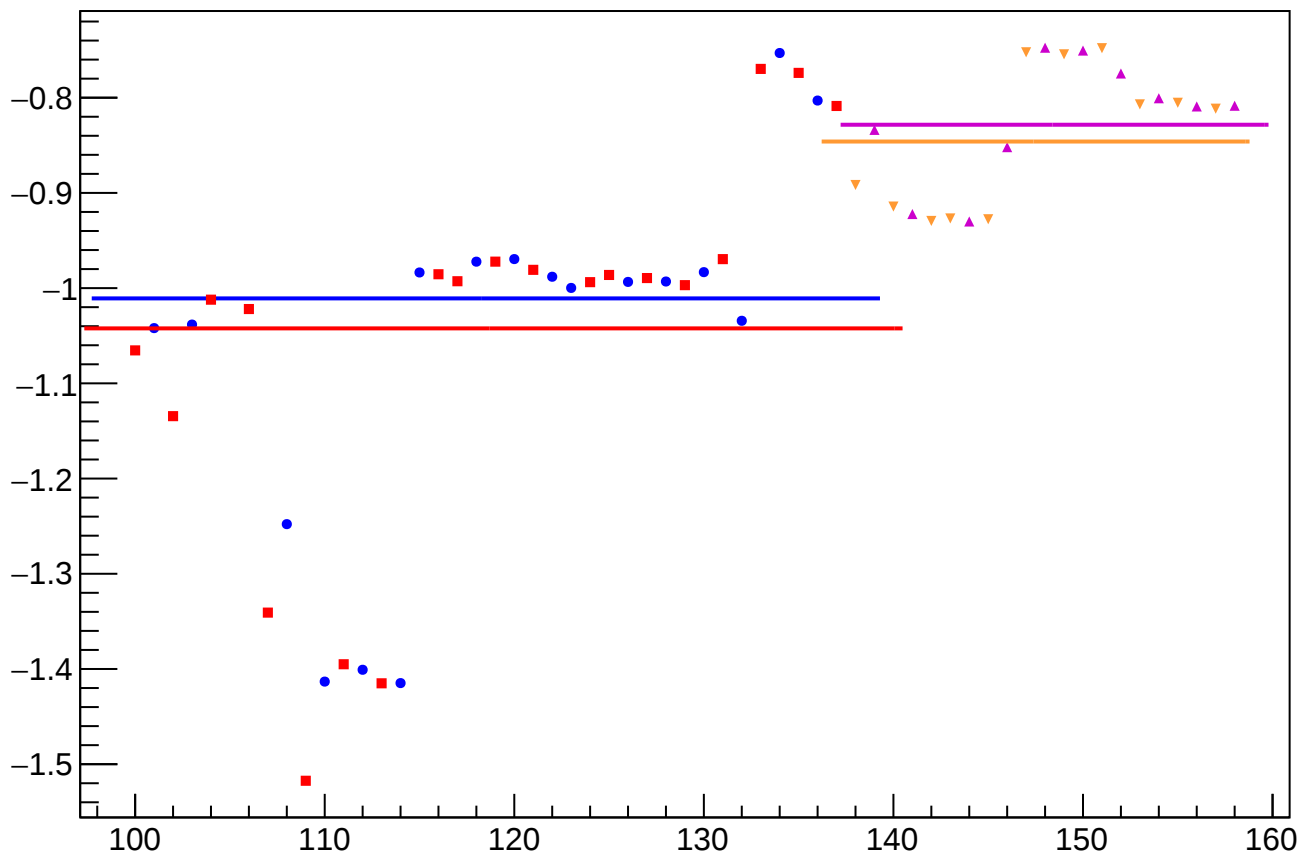
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 282067.3/9

0.012 $\pm$ 0.000 χ^2/NDF : 1735448.4/27

0.012 $\pm$ 0.000 χ^2/NDF : 3429037.8/57

0.012 $\pm$ 0.000 χ^2/NDF : 1693199.4/29

yield_bpm4acX_mean vs Slug, Sign Corrected



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

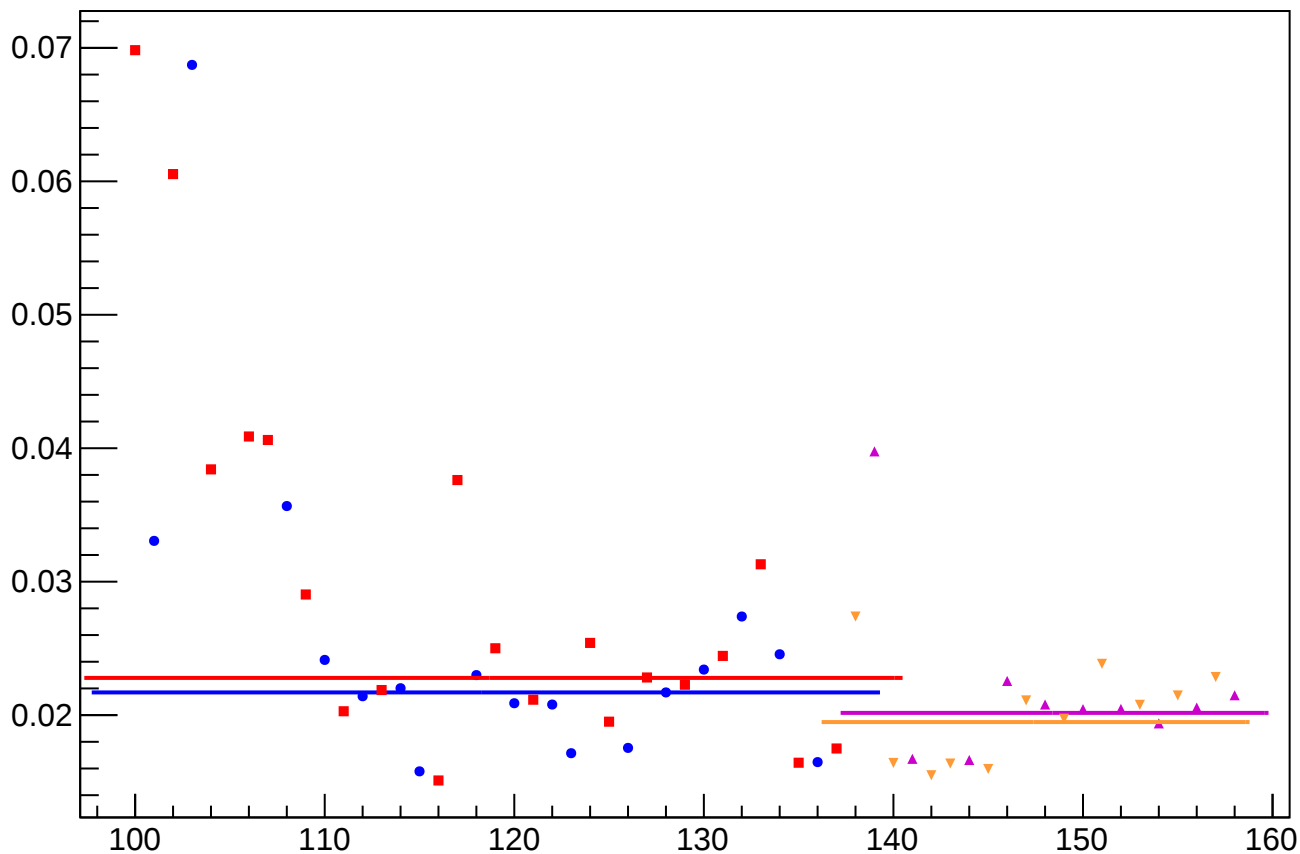
Left In: -0.828+/-0.000 χ^2/NDF : 69854601.8/9

-0.911+/-0.000 χ^2/NDF : 652354089.8/27

-0.912+/-0.000 χ^2/NDF : 1536180265.6/5

-0.913+/-0.000 χ^2/NDF : 883787617.0/29

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022 ± 0.000 χ^2/NDF : 979293.5/16

Left Out: 0.019 ± 0.000 χ^2/NDF : 357325.1/10

Right Out: 0.023 ± 0.000 χ^2/NDF : 1164870.4/19

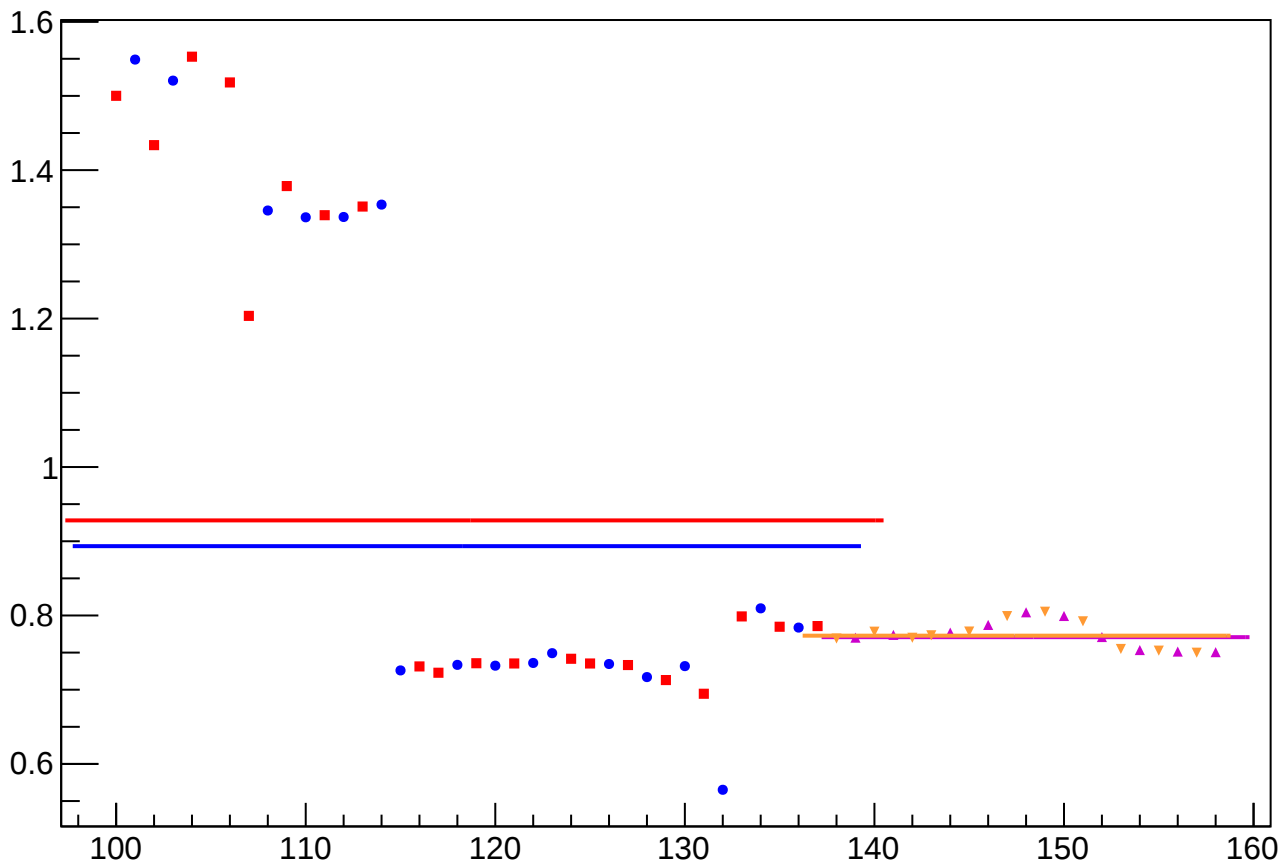
Left In: 0.020 ± 0.000 χ^2/NDF : 479786.1/9

0.020 ± 0.000 χ^2/NDF : 1400449.6/27

0.021 ± 0.000 χ^2/NDF : 3149629.6/57

0.021 ± 0.000 χ^2/NDF : 1730223.3/29

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.893 $\pm$ 0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.773 $\pm$ 0.000 χ^2/NDF : 12961255.0/10

Right Out: 0.928 $\pm$ 0.000 χ^2/NDF : 2437683008.7/19

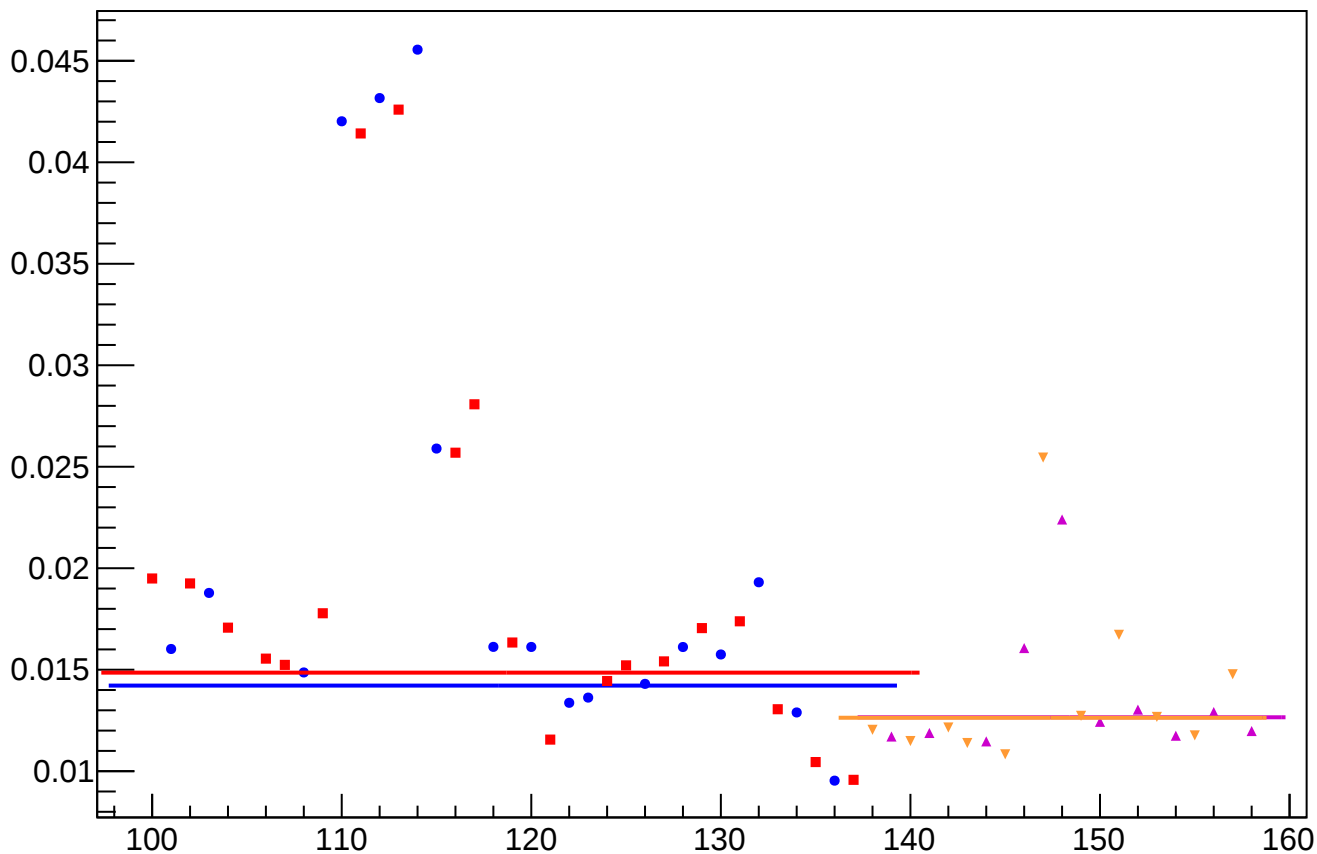
Left In: 0.771 $\pm$ 0.000 χ^2/NDF : 13146111.9/9

0.817 $\pm$ 0.000 χ^2/NDF : 2674425173.9/27

0.822 $\pm$ 0.000 χ^2/NDF : 5559990698.4/57

0.828 $\pm$ 0.000 χ^2/NDF : 2881656408.5/29

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1409594.2/16

Left Out: 0.013+/-0.000 χ^2/NDF : 578000.4/10

Right Out: 0.015+/-0.000 χ^2/NDF : 1286513.9/19

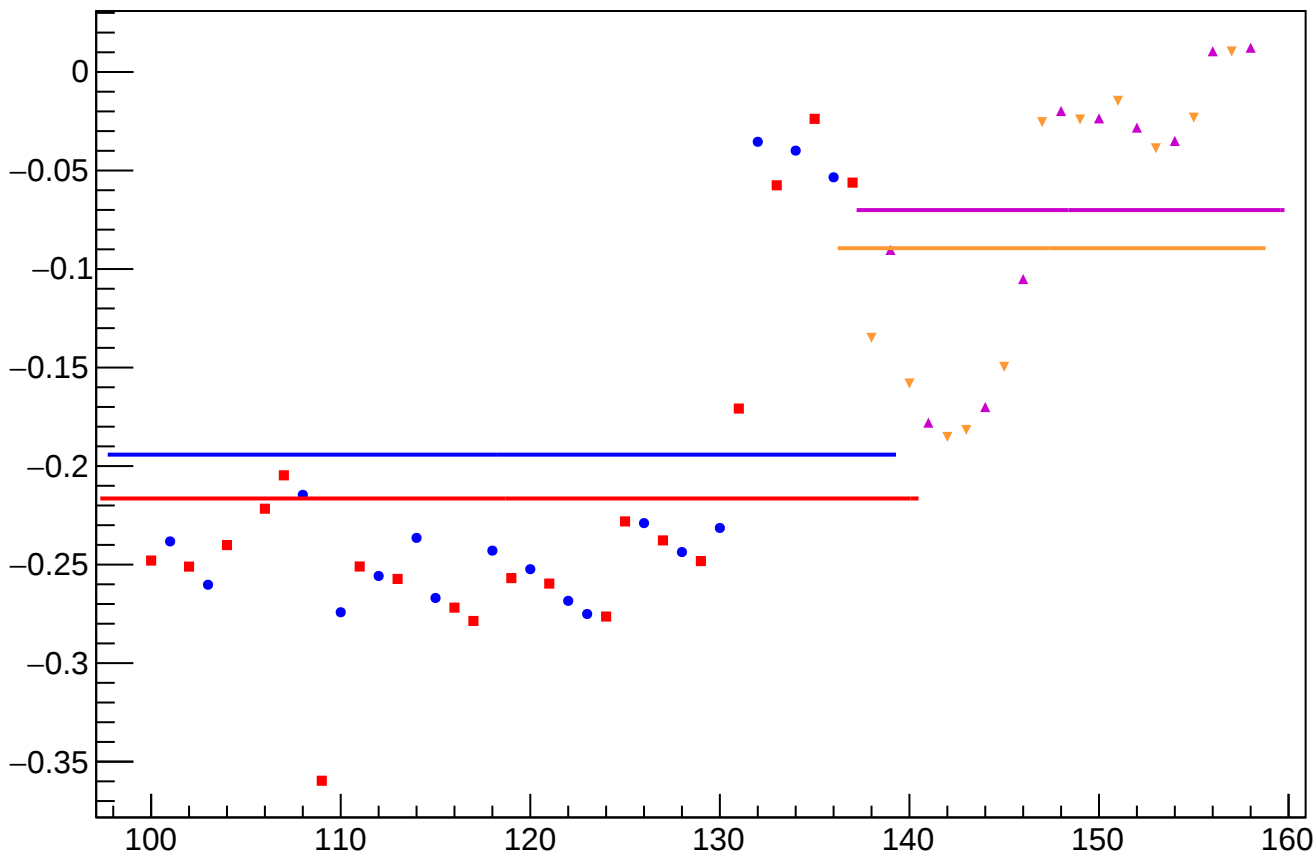
Left In: 0.013+/-0.000 χ^2/NDF : 404763.6/9

0.013+/-0.000 χ^2/NDF : 2075087.5/27

0.013+/-0.000 χ^2/NDF : 3938766.4/57

0.013+/-0.000 χ^2/NDF : 1859652.5/29

yield_bpm4ecX_mean vs Slug, Sign Corrected



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

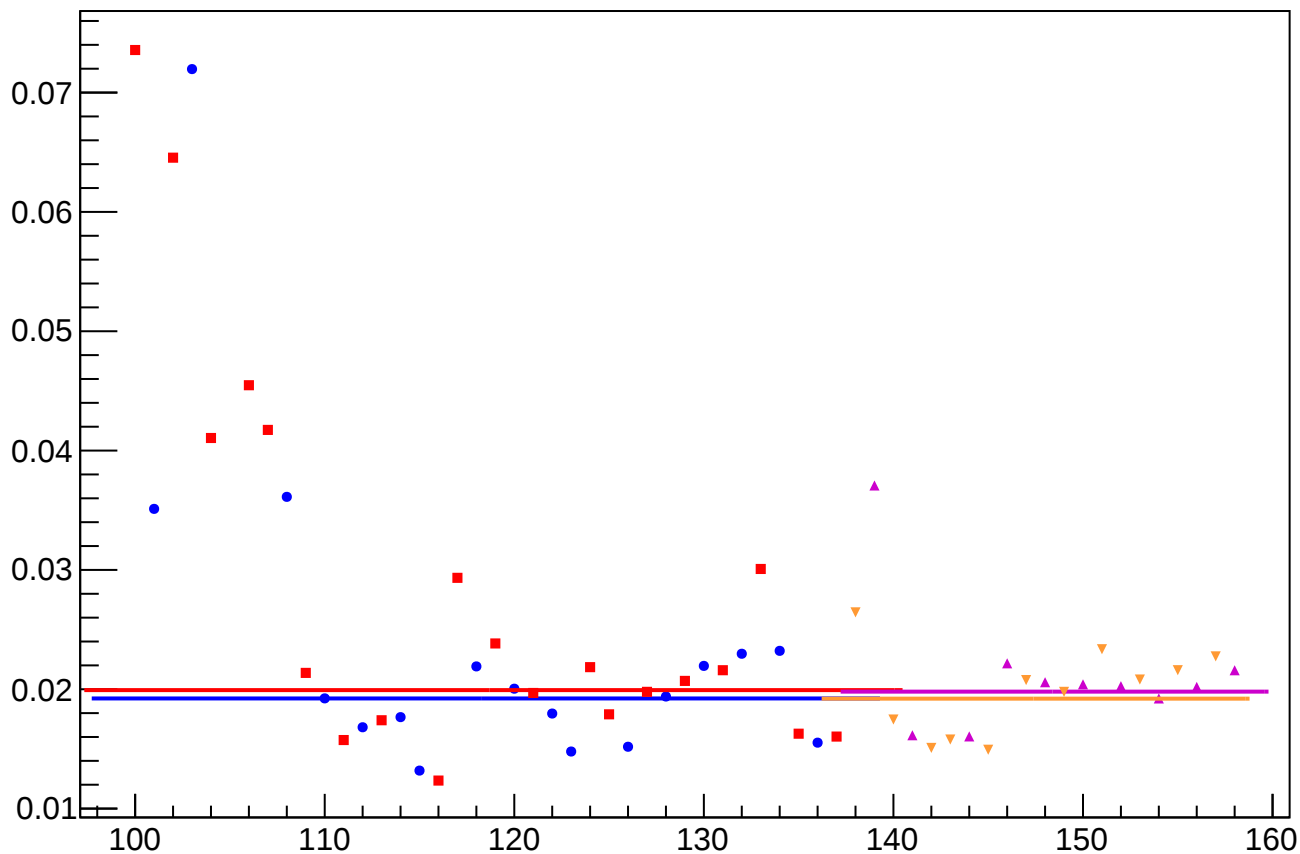
Left In: -0.070+/-0.000 χ^2/NDF : 86060769.1/9

-0.136+/-0.000 χ^2/NDF : 280662940.6/27

-0.135+/-0.000 χ^2/NDF : 634394254.1/57

-0.135+/-0.000 χ^2/NDF : 353723437.7/29

yield_bpm4ecX_rms vs Slug, Sign Corrected



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

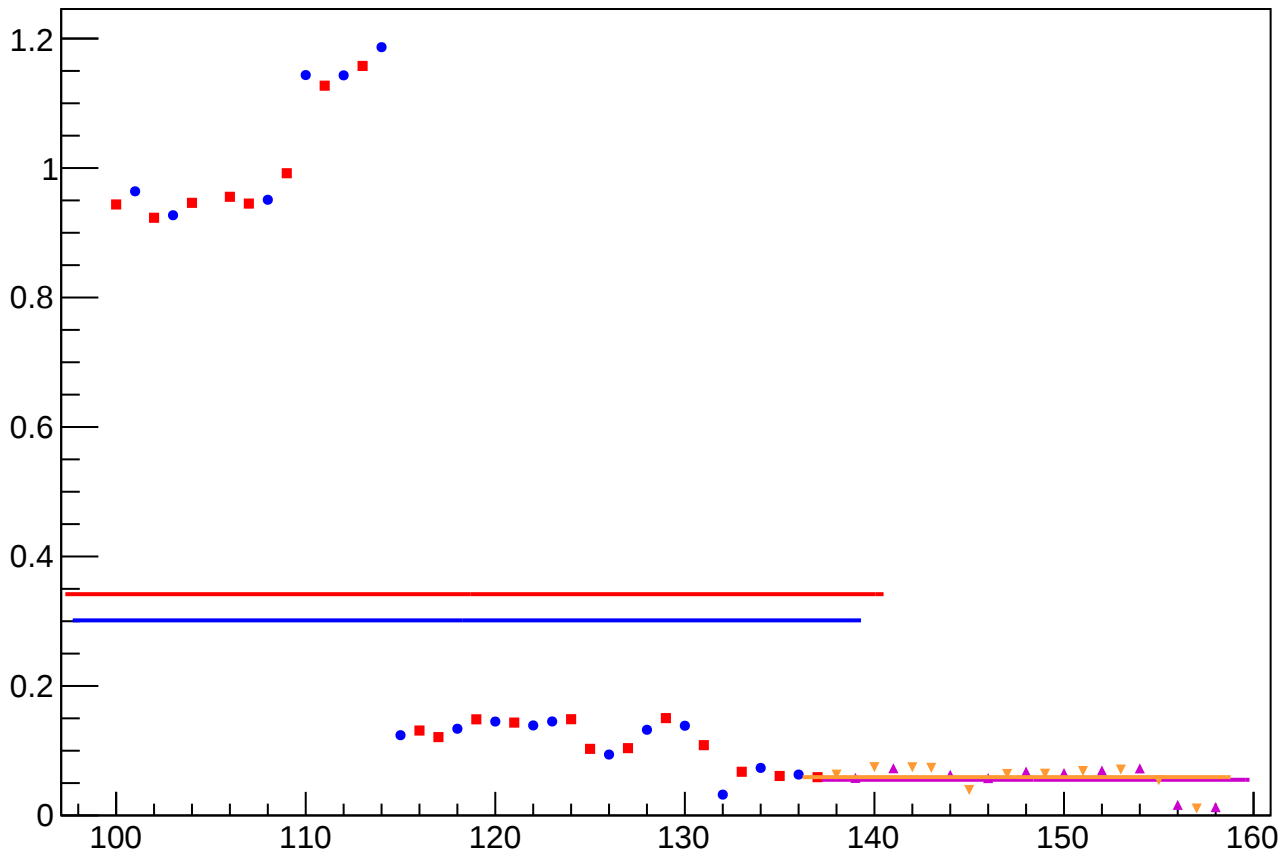
Left In: 0.020+/-0.000 χ^2/NDF : 471837.5/9

0.019+/-0.000 χ^2/NDF : 1559342.0/27

0.020+/-0.000 χ^2/NDF : 3496327.3/57

0.020+/-0.000 χ^2/NDF : 1924804.7/29

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.301+/-0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.059+/-0.000 χ^2/NDF : 20165026.6/10

Right Out: 0.342+/-0.000 χ^2/NDF : 5445885893.4/19

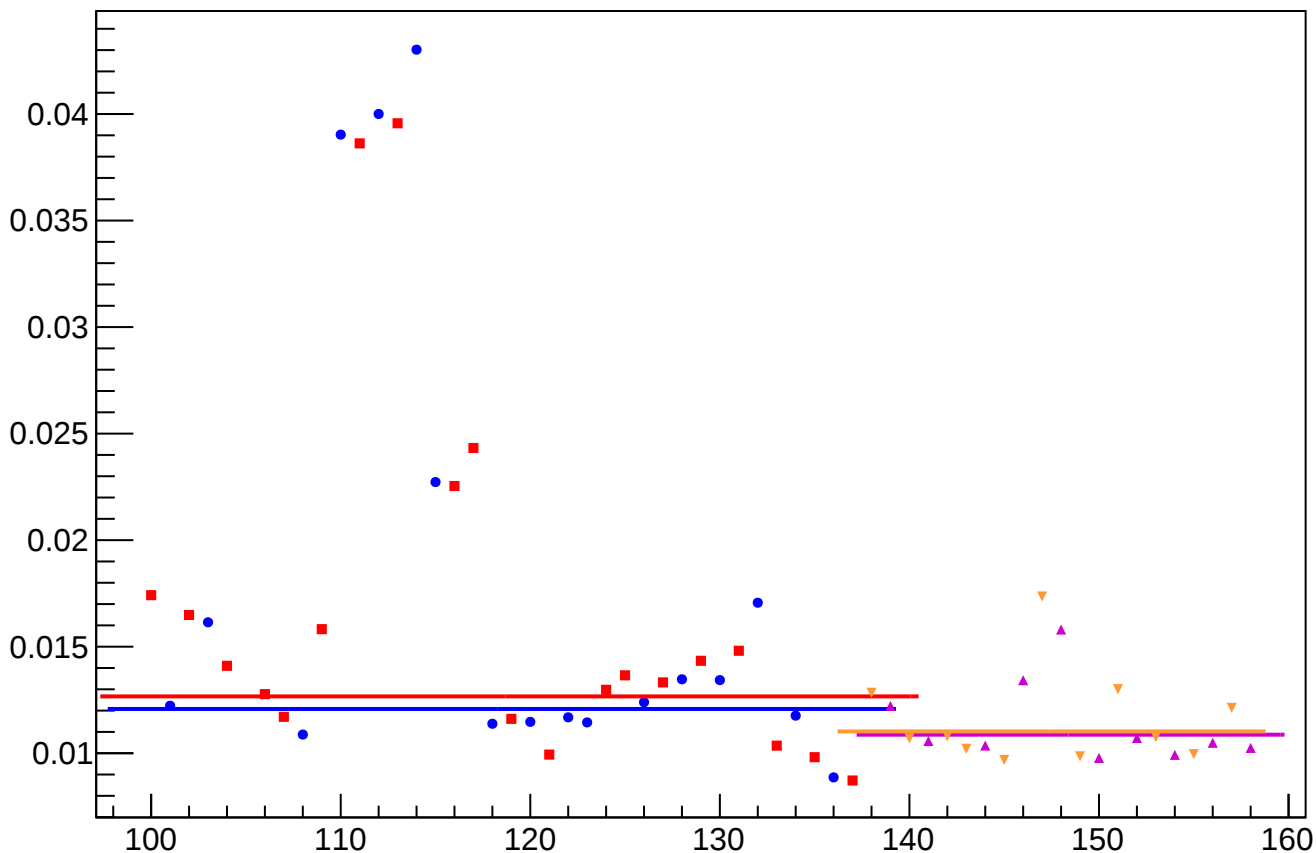
Left In: 0.055+/-0.000 χ^2/NDF : 32464614.1/9

0.151+/-0.000 χ^2/NDF : 6569994254.0/27

0.155+/-0.000 χ^2/NDF : 13992400366.3/5

0.158+/-0.000 χ^2/NDF : 7420206554.0/29

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1280342.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:352175.8/10

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1253755.7/19

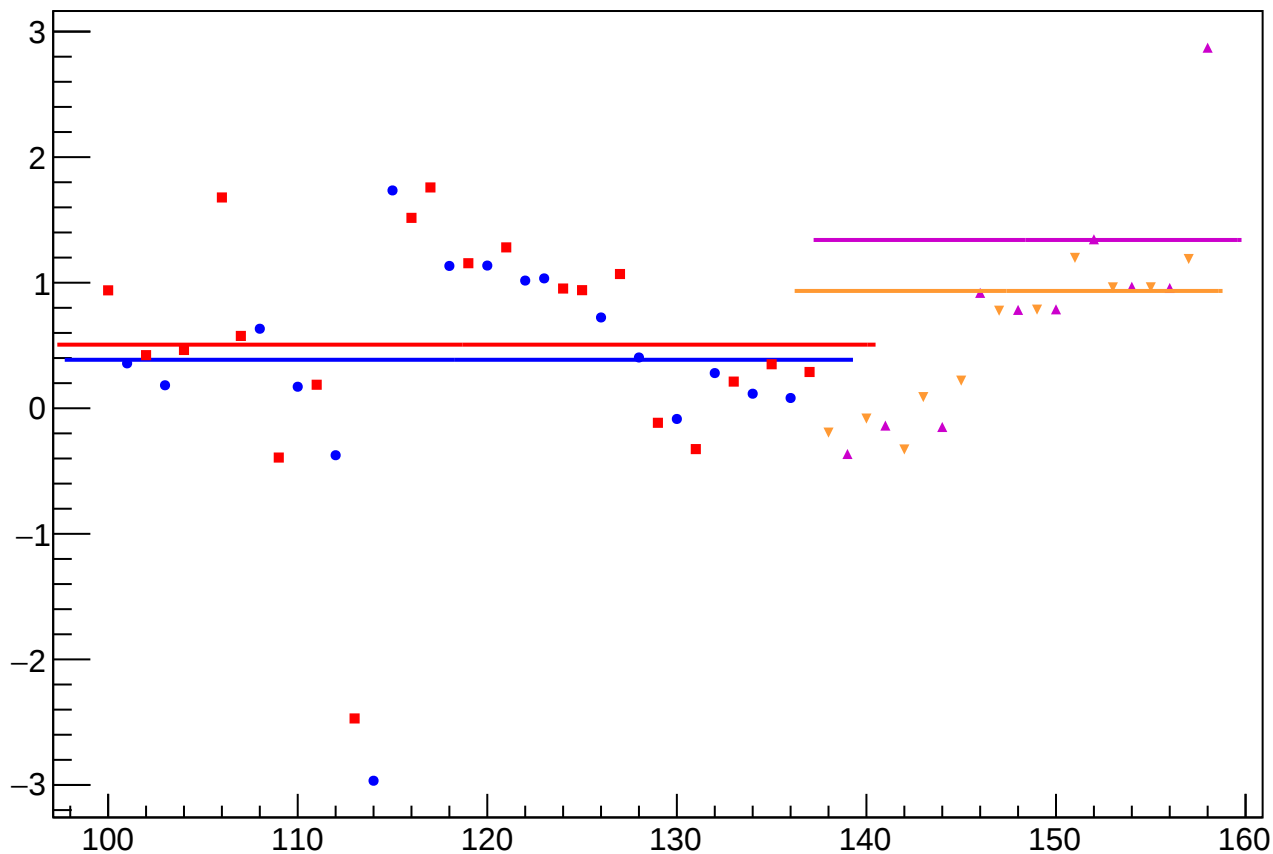
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:271705.1/9

0.011 $\pm$ 0.000 χ^2 /NDF: 1685351.8/27

0.011 $\pm$ 0.000 χ^2 /NDF: 3364239.6/57

0.012 $\pm$ 0.000 χ^2 /NDF: 1678046.6/29

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.386 $\pm$ 0.000 χ^2 /NDF: 246380221.7/16

Left Out: 0.934 $\pm$ 0.000 χ^2 /NDF: 862154884.2/10

Right Out: 0.507 $\pm$ 0.000 χ^2 /NDF: 995373603.6/19

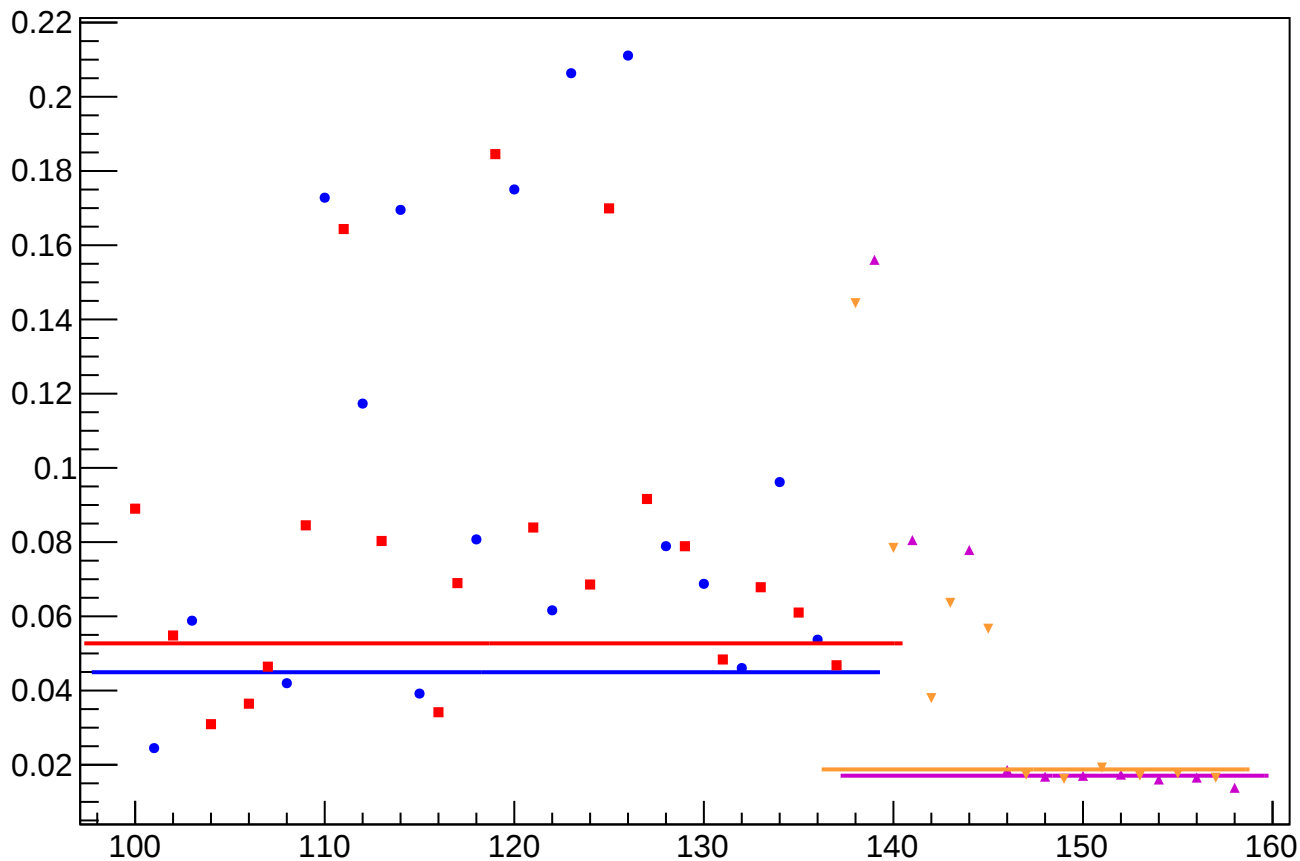
Left In: 1.340 $\pm$ 0.000 χ^2 /NDF: 11974907230.8/9

0.875 $\pm$ 0.000 χ^2 /NDF: 1576958036.0/27

1.098 $\pm$ 0.000 χ^2 /NDF: 16959704451.8/5

1.278 $\pm$ 0.000 χ^2 /NDF: 13932458101.2/29

yield_bpm1X_rms vs Slug, Sign Corrected



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

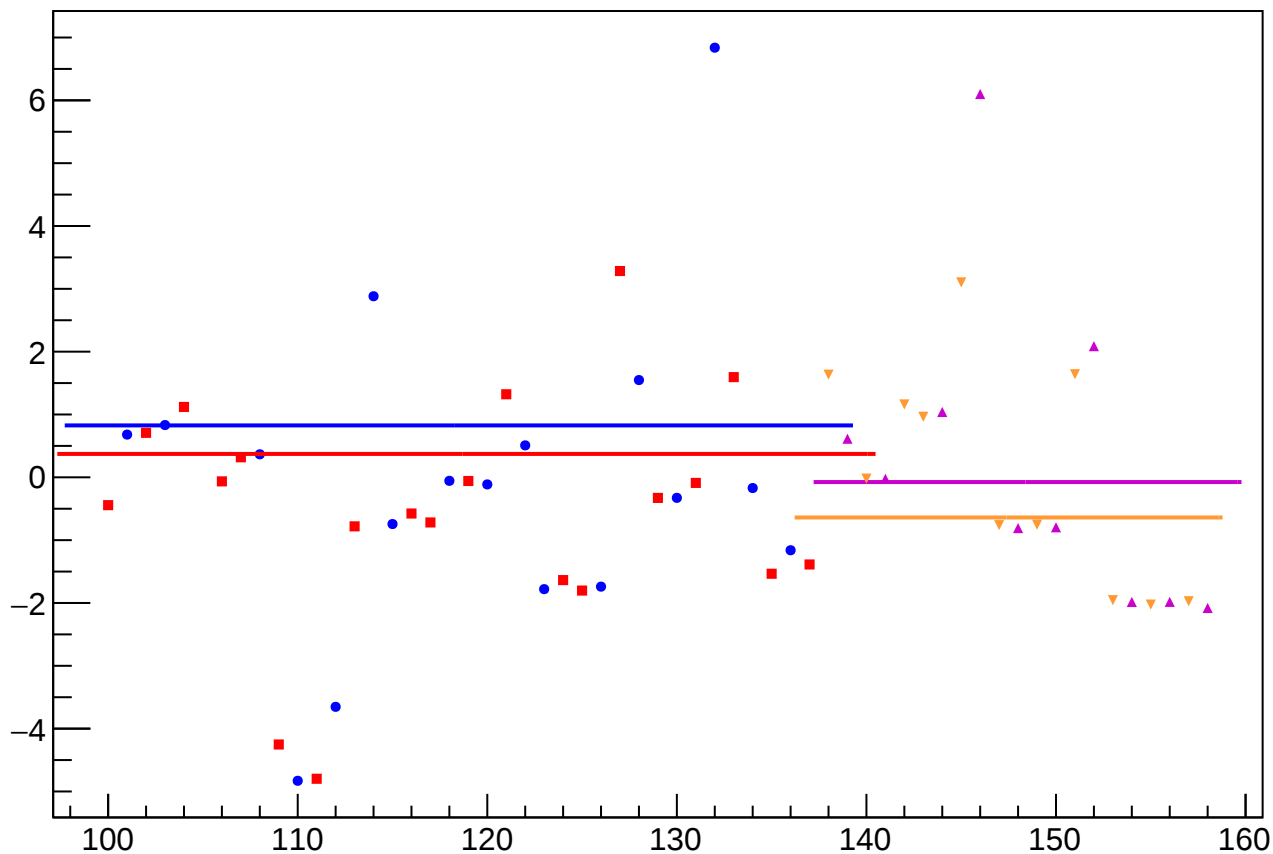
Left In: 0.017+/-0.000 χ^2/NDF : 2347352.5/9

0.022+/-0.000 χ^2/NDF : 7484303.2/27

0.021+/-0.000 χ^2/NDF : 15609345.3/57

0.020+/-0.000 χ^2/NDF : 8063247.1/29

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.826 $\pm$ 0.000 χ^2 /NDF: 10945455664.9/16

Left Out: -0.639 $\pm$ 0.000 χ^2 /NDF: 70913336139.4/10

Right Out: 0.372 $\pm$ 0.000 χ^2 /NDF: 4960201861.0/19

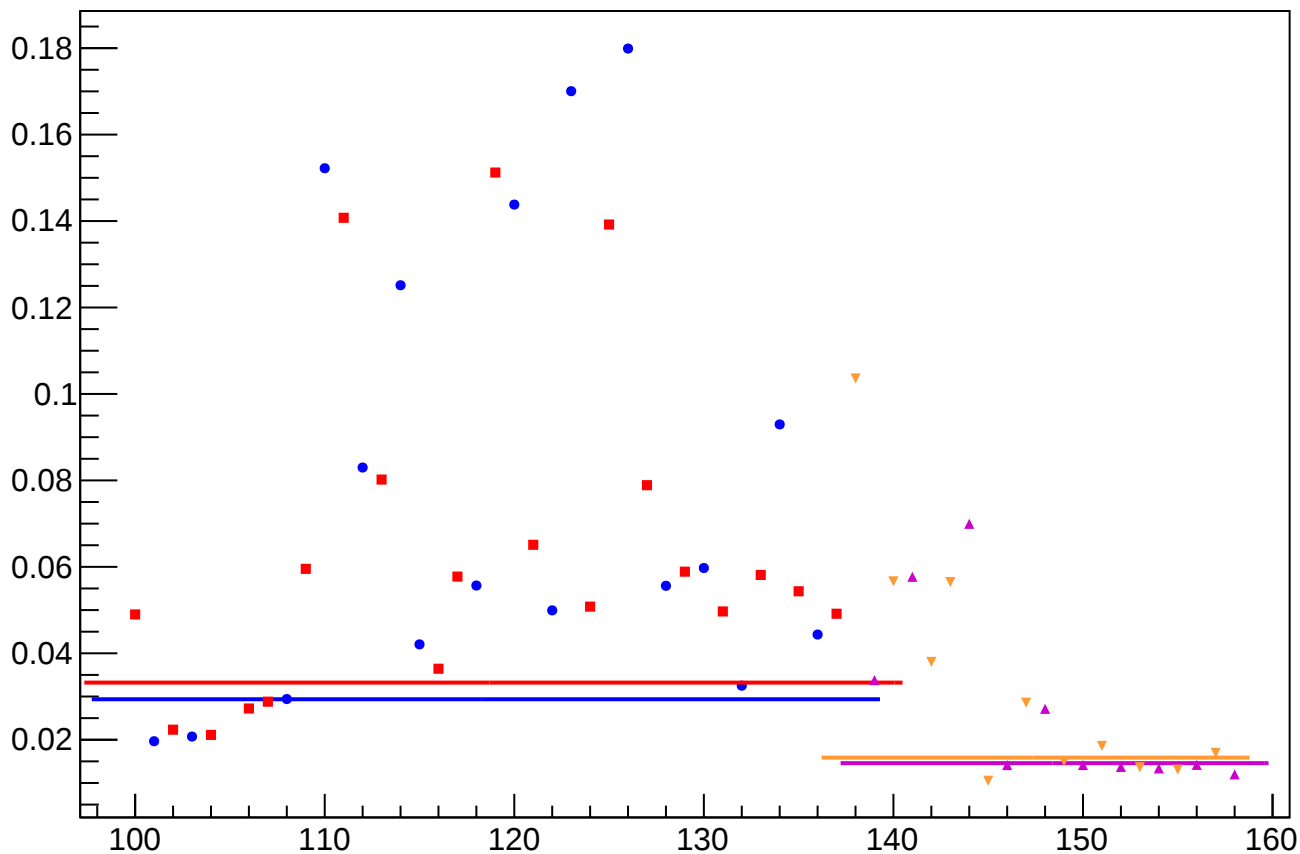
Left In: -0.075 $\pm$ 0.000 χ^2 /NDF: 207584926368.1/9

-0.408 $\pm$ 0.000 χ^2 /NDF: 88972822658.5/27

-0.196 $\pm$ 0.000 χ^2 /NDF: 304170516325.6

-0.024 $\pm$ 0.000 χ^2 /NDF: 213167475266.0/29

yield_bpm1Y_rms vs Slug, Sign Corrected



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

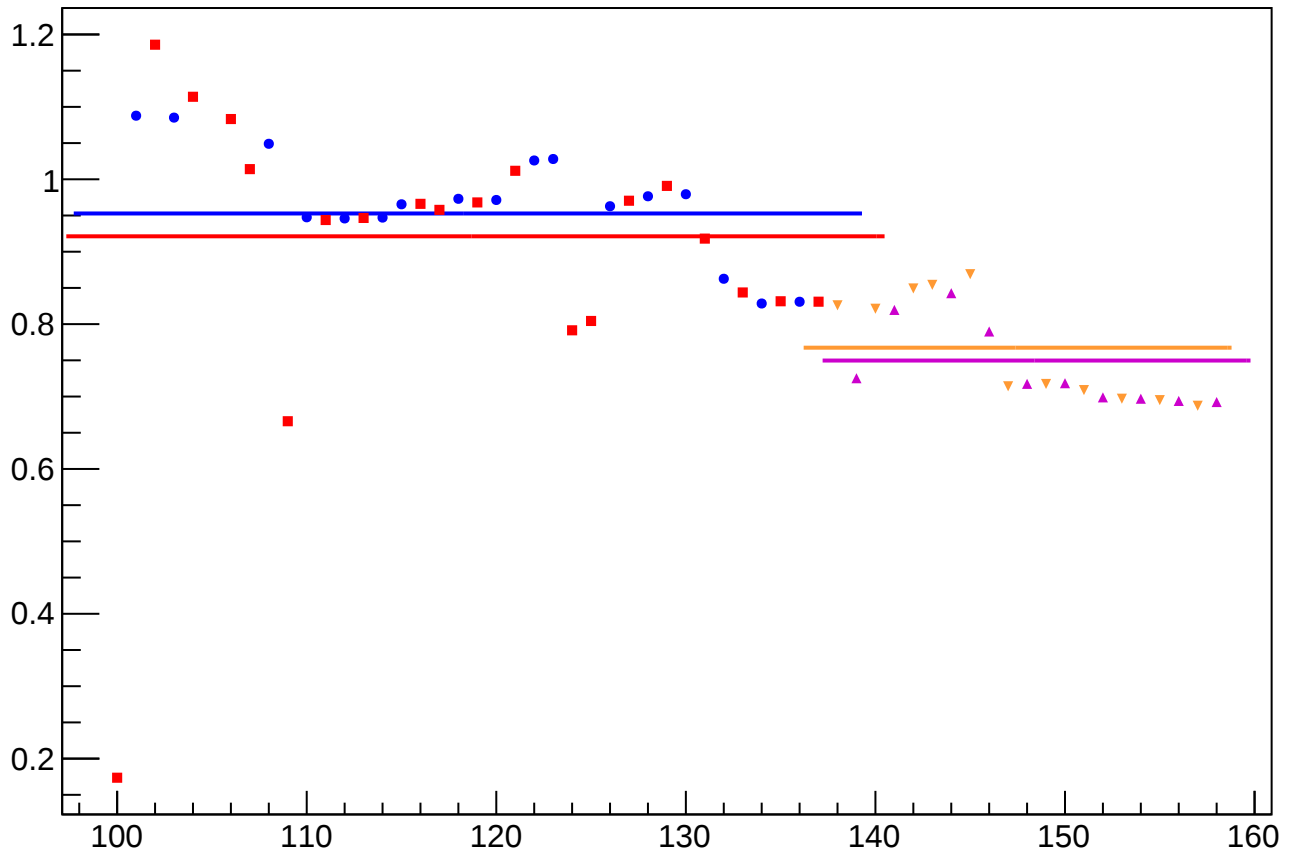
Left In: 0.015+/-0.000 χ^2/NDF : 1772290.0/9

0.018+/-0.000 χ^2/NDF : 6720333.7/27

0.017+/-0.000 χ^2/NDF : 13806709.4/57

0.017+/-0.000 χ^2/NDF : 7040665.8/29

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.953+/-0.000 χ^2/NDF : 175750243.6/16

Left Out: 0.767+/-0.000 χ^2/NDF : 200308036.7/10

Right Out: 0.921+/-0.000 χ^2/NDF : 374306248.8/19

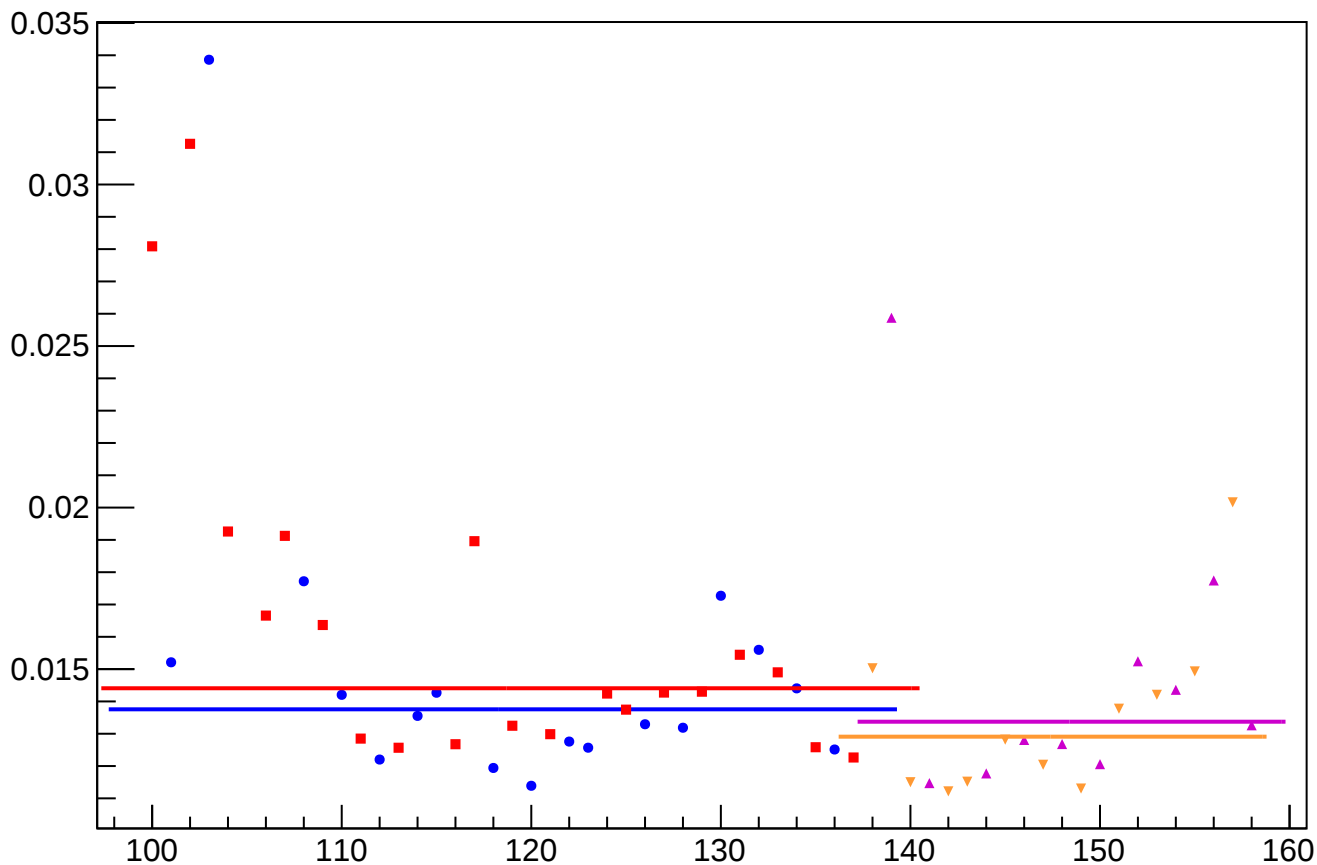
Left In: 0.750+/-0.000 χ^2/NDF : 131087543.8/9

0.846+/-0.000 χ^2/NDF : 977142553.4/27

0.835+/-0.000 χ^2/NDF : 1999455330.2/57

0.823+/-0.000 χ^2/NDF : 1003086588.5/29

yield_bpm11X_rms vs Slug, Sign Corrected



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

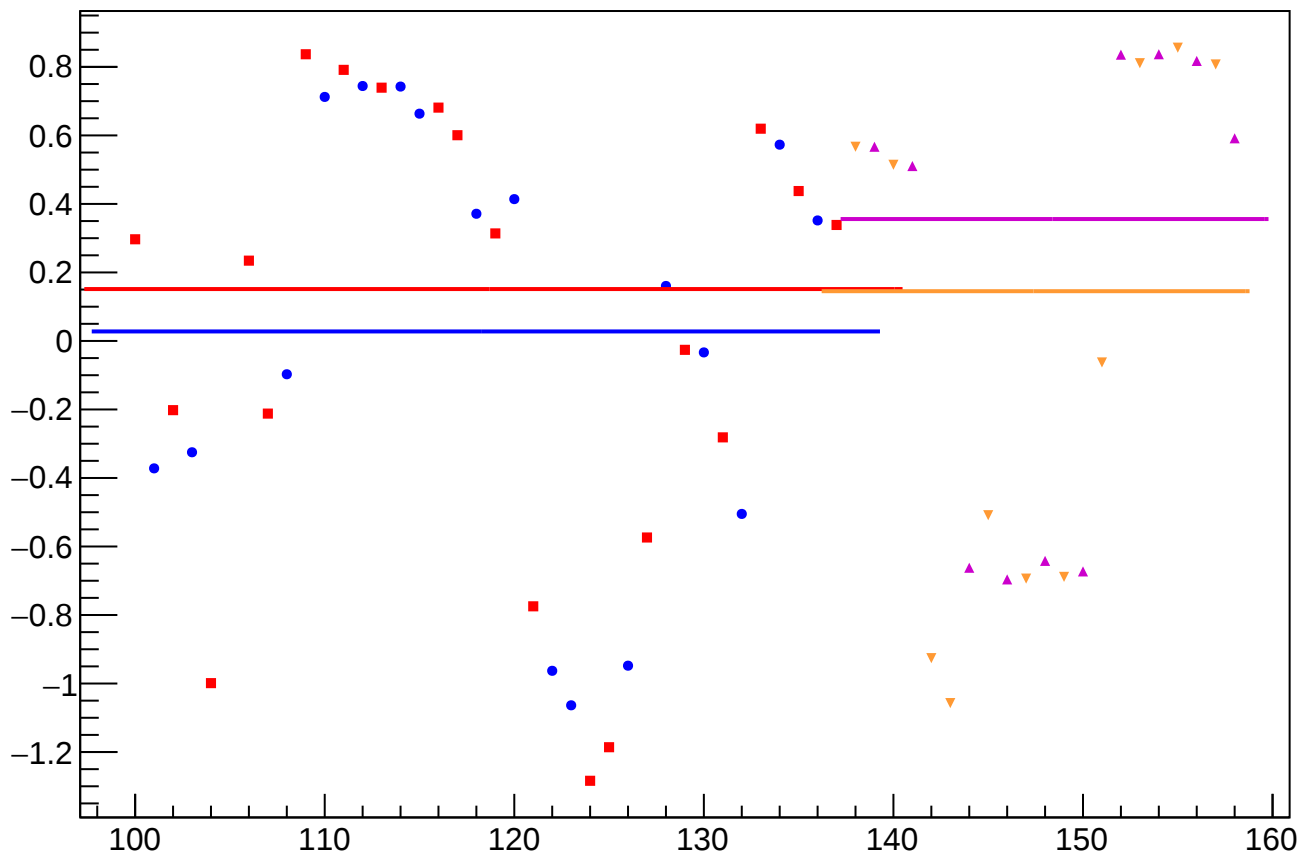
Left In: 0.013+/-0.000 χ^2/NDF : 531935.4/9

0.013+/-0.000 χ^2/NDF : 874692.5/27

0.014+/-0.000 χ^2/NDF : 1972374.3/57

0.014+/-0.000 χ^2/NDF : 1076805.3/29

yield_bpm11Y_mean vs Slug, Sign Corrected



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

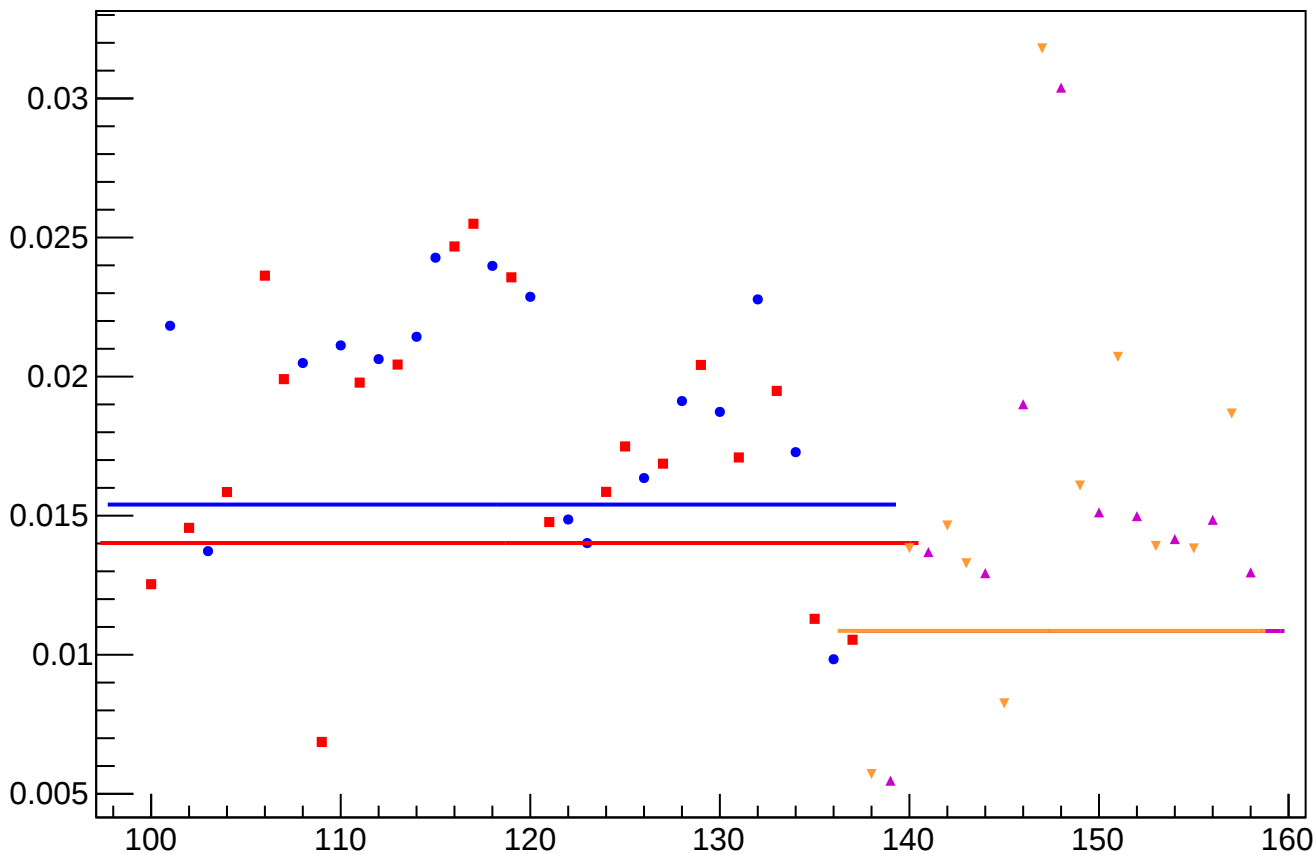
Left In: 0.356+/-0.000 χ^2/NDF : 15880442887.1/9

0.109+/-0.000 χ^2/NDF : 28890830862.1/27

0.201+/-0.000 χ^2/NDF : 59444846129.1/5

0.285+/-0.000 χ^2/NDF : 29326342844.4/29

yield_bpm11Y_rms vs Slug, Sign Corrected



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

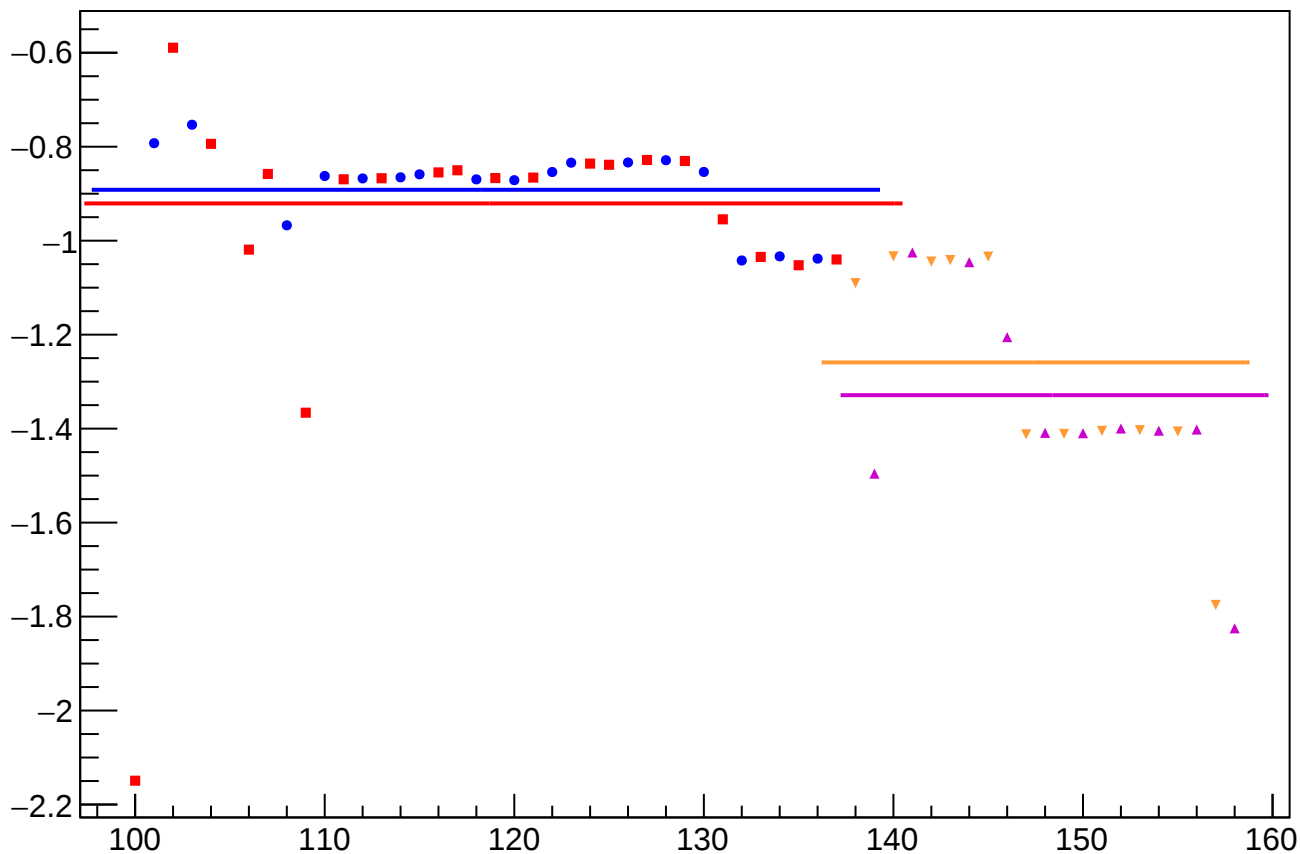
Left In: 0.011+/-0.000 χ^2/NDF : 2797944.4/9

0.012+/-0.000 χ^2/NDF : 4589548.8/27

0.012+/-0.000 χ^2/NDF : 9346893.3/57

0.012+/-0.000 χ^2/NDF : 4748930.4/29

yield_bpm12X_mean vs Slug, Sign Corrected



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

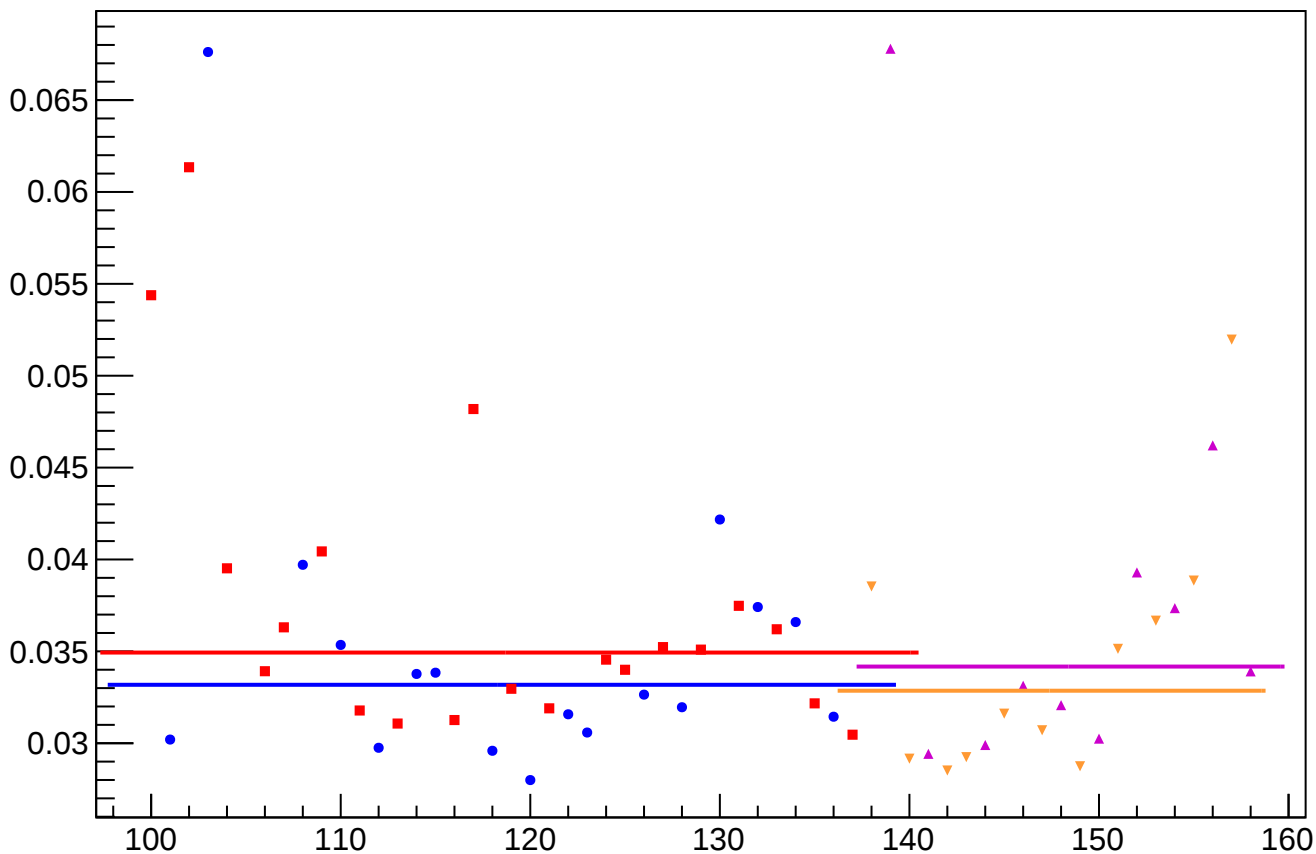
Left In: -1.329+/-0.000 χ^2/NDF : 331256746.9/9

-1.092+/-0.000 χ^2/NDF : 688302219.7/27

-1.116+/-0.000 χ^2/NDF : 1624315014.0/5

-1.143+/-0.000 χ^2/NDF : 921265737.0/29

yield_bpm12X_rms vs Slug, Sign Corrected



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

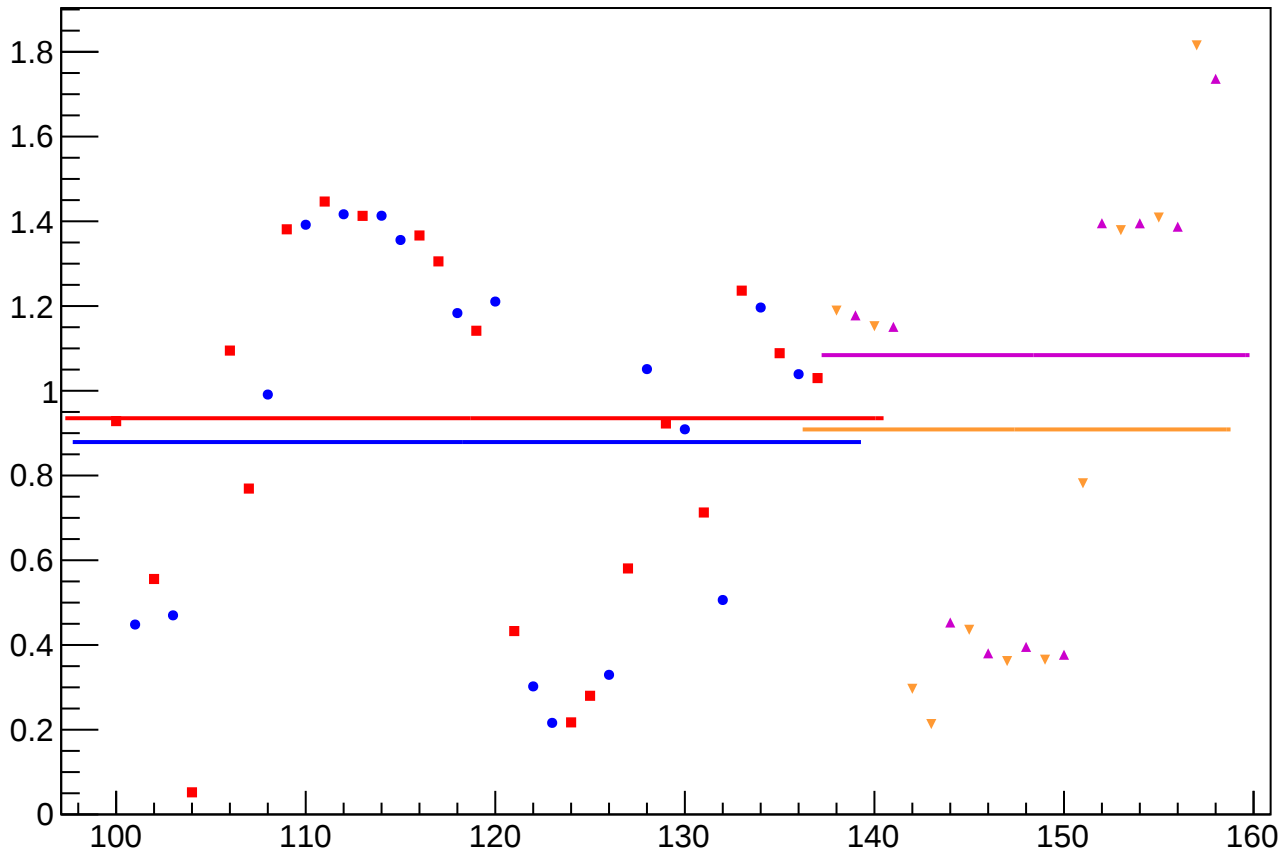
Left In: 0.034+/-0.000 χ^2/NDF : 573363.2/9

0.033+/-0.000 χ^2/NDF : 734789.8/27

0.034+/-0.000 χ^2/NDF : 1618647.3/57

0.035+/-0.000 χ^2/NDF : 857823.5/29

yield_bpm12Y_mean vs Slug, Sign Corrected



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

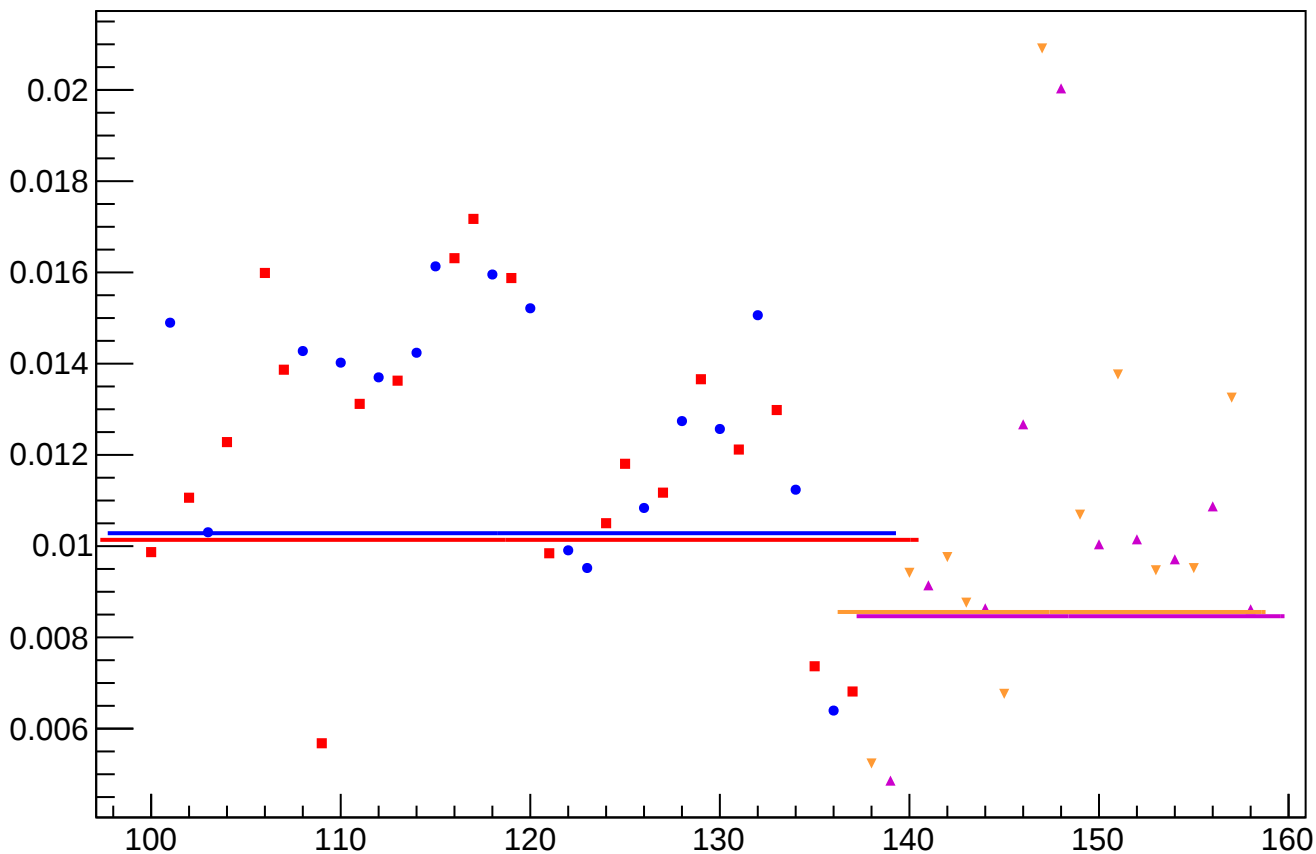
Left In: 1.084+/-0.000 χ^2/NDF : 18786151713.4/9

0.898+/-0.000 χ^2/NDF : 27830988689.3/27

0.966+/-0.000 χ^2/NDF : 58554477798.1/5

1.029+/-0.000 χ^2/NDF : 29430132422.1/29

yield_bpm12Y_rms vs Slug, Sign Corrected



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

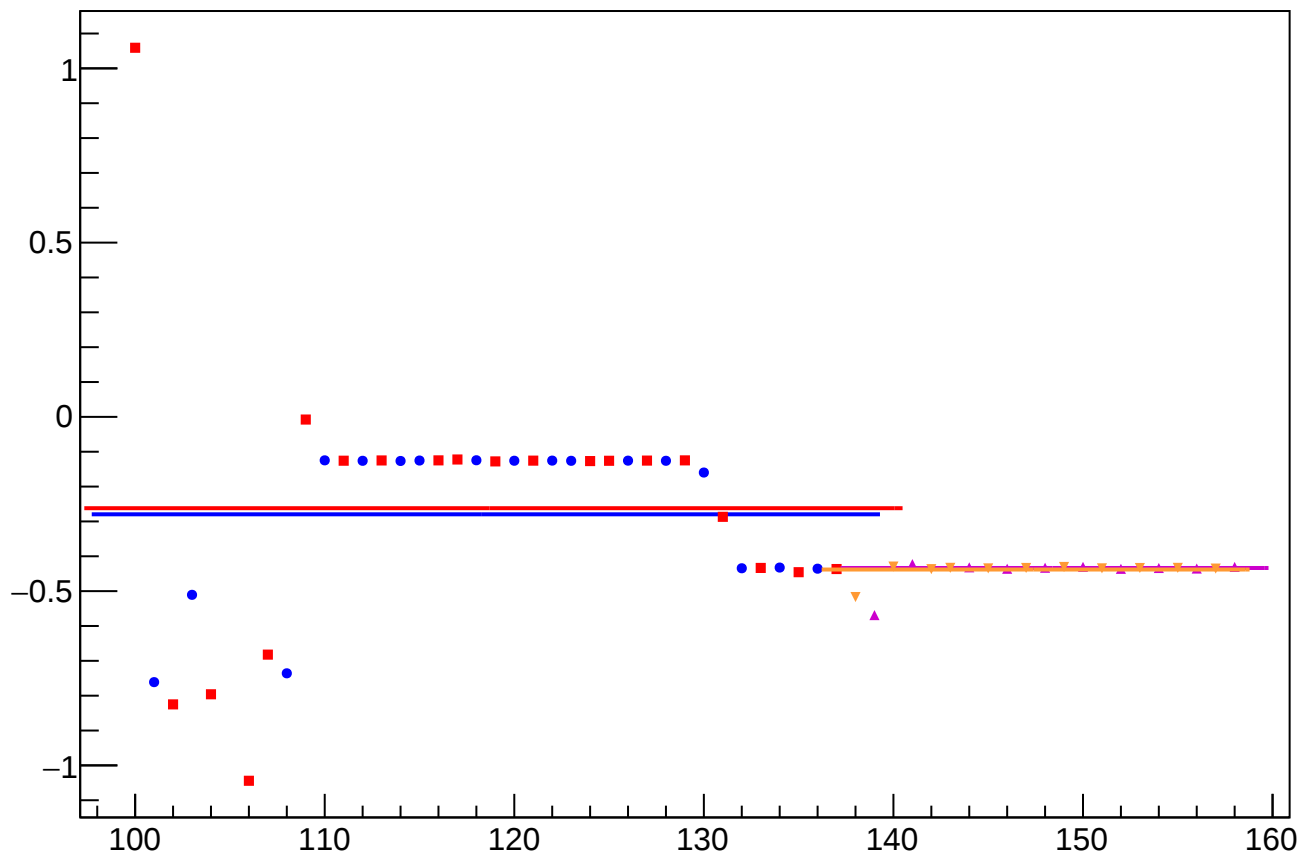
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 1607782.0/9

0.009 $\pm$ 0.000 χ^2/NDF : 3059631.4/27

0.009 $\pm$ 0.000 χ^2/NDF : 6060259.2/57

0.009 $\pm$ 0.000 χ^2/NDF : 2999209.9/29

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.280 $\pm$ 0.000 χ^2/NDF : 929210245.5/16

Left Out: -0.438 $\pm$ 0.000 χ^2/NDF : 24178775.1/10

Right Out: -0.262 $\pm$ 0.000 χ^2/NDF : 1007161741.8/19

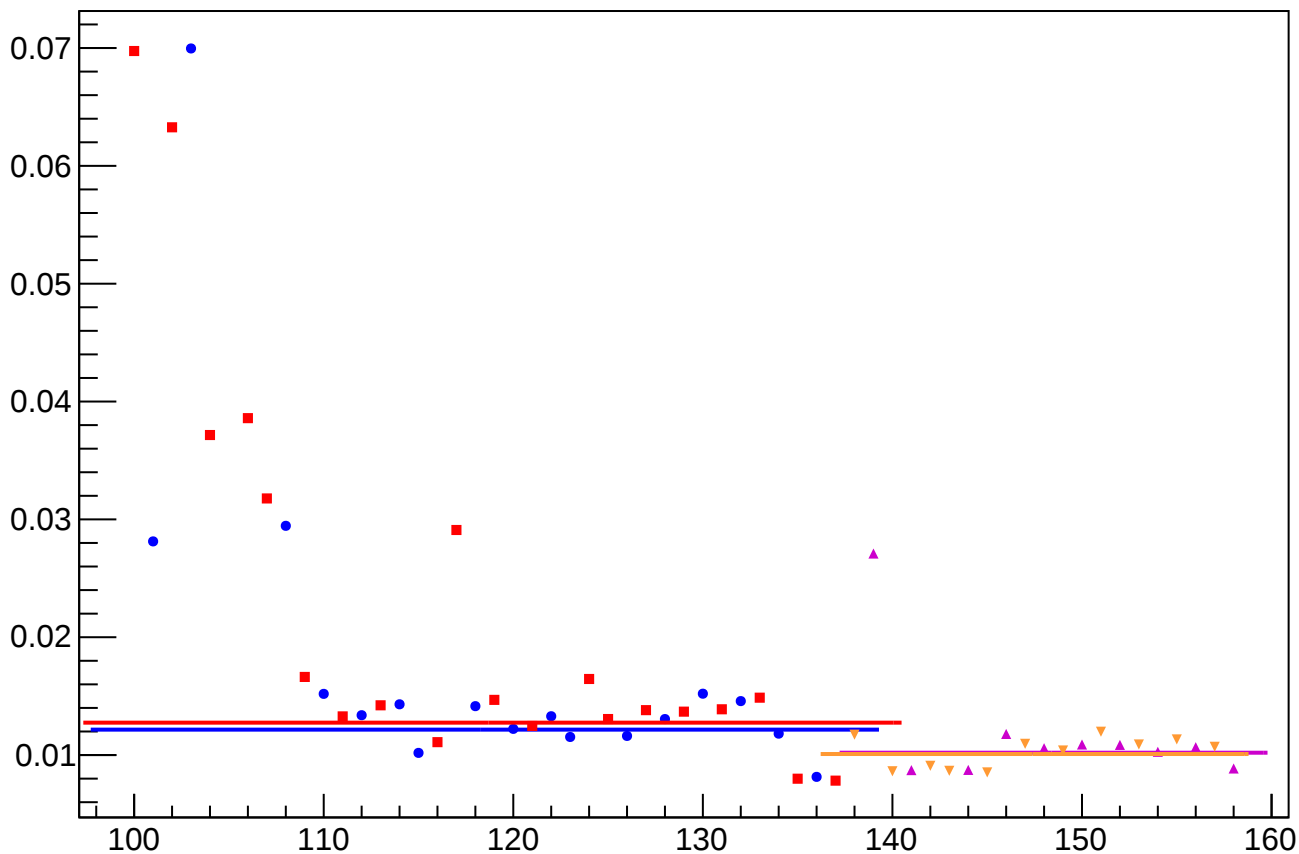
Left In: -0.434 $\pm$ 0.000 χ^2/NDF : 18967404.5/9

-0.386 $\pm$ 0.000 χ^2/NDF : 1483272003.2/27

-0.382 $\pm$ 0.000 χ^2/NDF : 3109481829.2/5

-0.379 $\pm$ 0.000 χ^2/NDF : 1623747594.7/29

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1722777.4/16

Left Out: 0.010+/-0.000 χ^2/NDF :199684.2/10

Right Out: 0.013+/-0.000 χ^2/NDF : 1991972.4/19

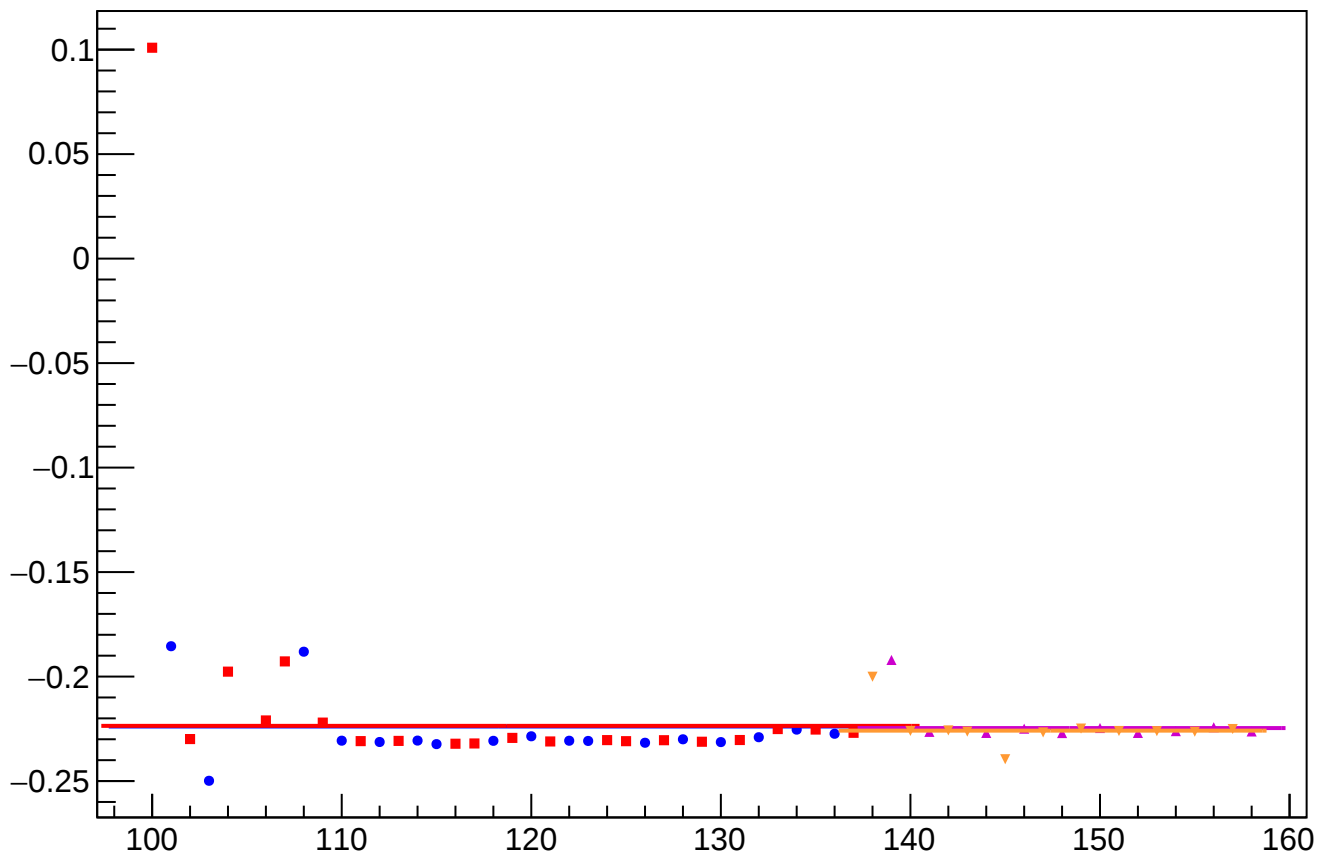
Left In: 0.010+/-0.000 χ^2/NDF :698809.9/9

0.011+/-0.000 χ^2/NDF : 2103203.7/27

0.011+/-0.000 χ^2/NDF : 5063946.1/57

0.011+/-0.000 χ^2/NDF : 2954971.9/29

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.224+/-0.000 χ^2/NDF : 74600073.9/16

Left Out: -0.226+/-0.000 χ^2/NDF : 20532808.2/10

Right Out: -0.224+/-0.000 χ^2/NDF : 168229582.1/19

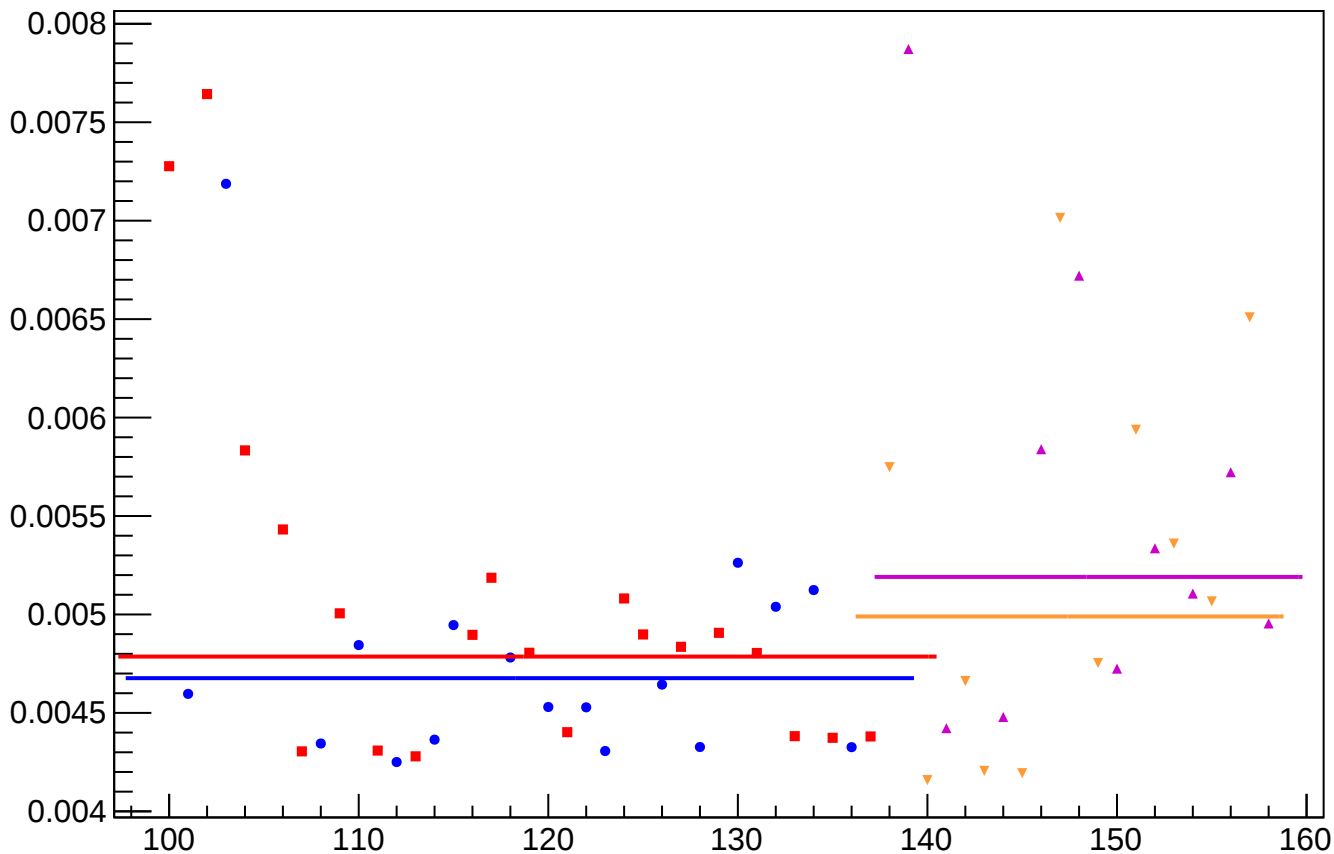
Left In: -0.225+/-0.000 χ^2/NDF : 12524576.3/9

-0.225+/-0.000 χ^2/NDF : 95691585.0/27

-0.225+/-0.000 χ^2/NDF : 276780720.4/57

-0.224+/-0.000 χ^2/NDF : 180911062.6/29

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 180780.8/16

Left Out: 0.005+/-0.000 χ^2/NDF : 424085.9/10

Right Out: 0.005+/-0.000 χ^2/NDF : 248745.3/19

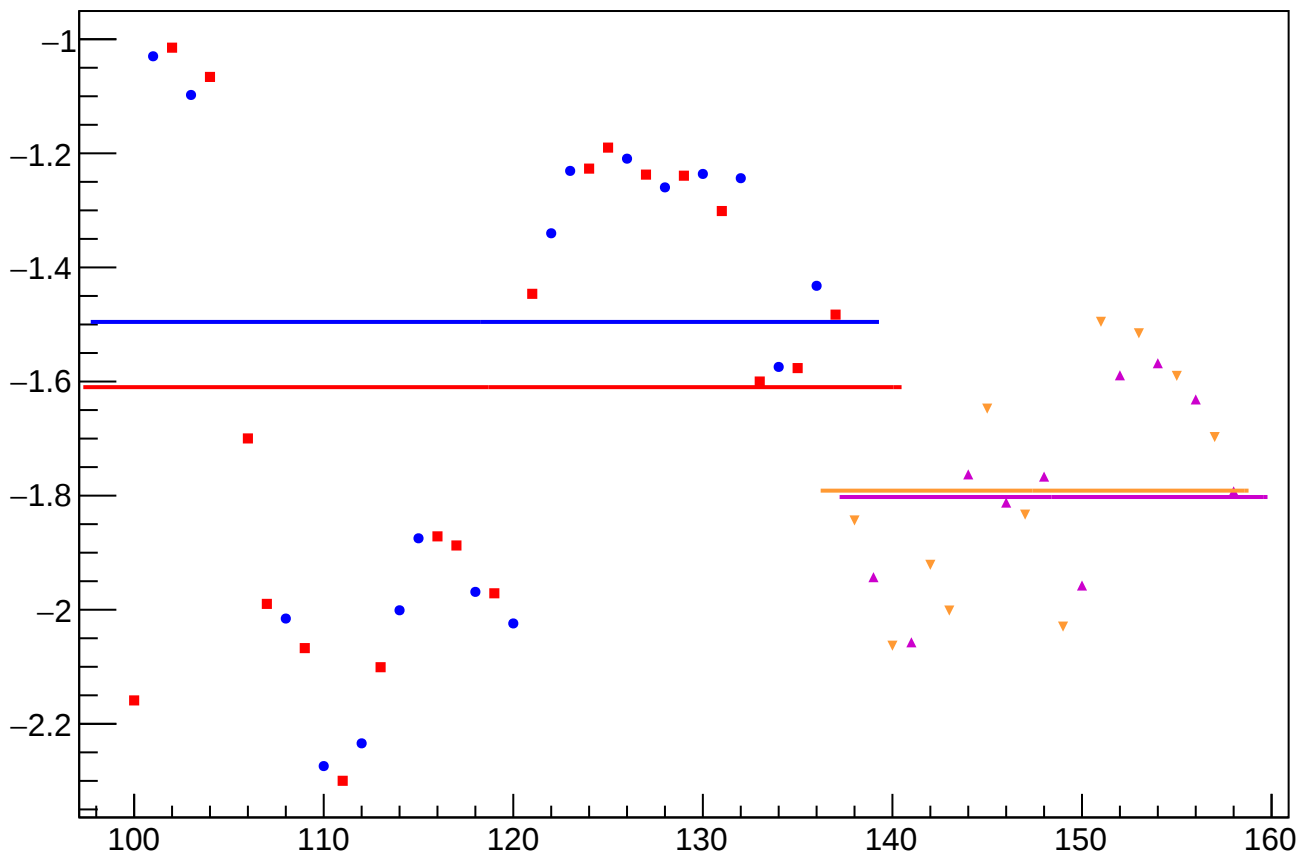
Left In: 0.005+/-0.000 χ^2/NDF : 376804.8/9

0.005+/-0.000 χ^2/NDF : 632694.0/27

0.005+/-0.000 χ^2/NDF : 1316685.4/57

0.005+/-0.000 χ^2/NDF : 671411.2/29

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496 $\pm$ 0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.791 $\pm$ 0.000 χ^2/NDF : 8684830757.8/10

Right Out: -1.610 $\pm$ 0.000 χ^2/NDF : 27936032778.6/19

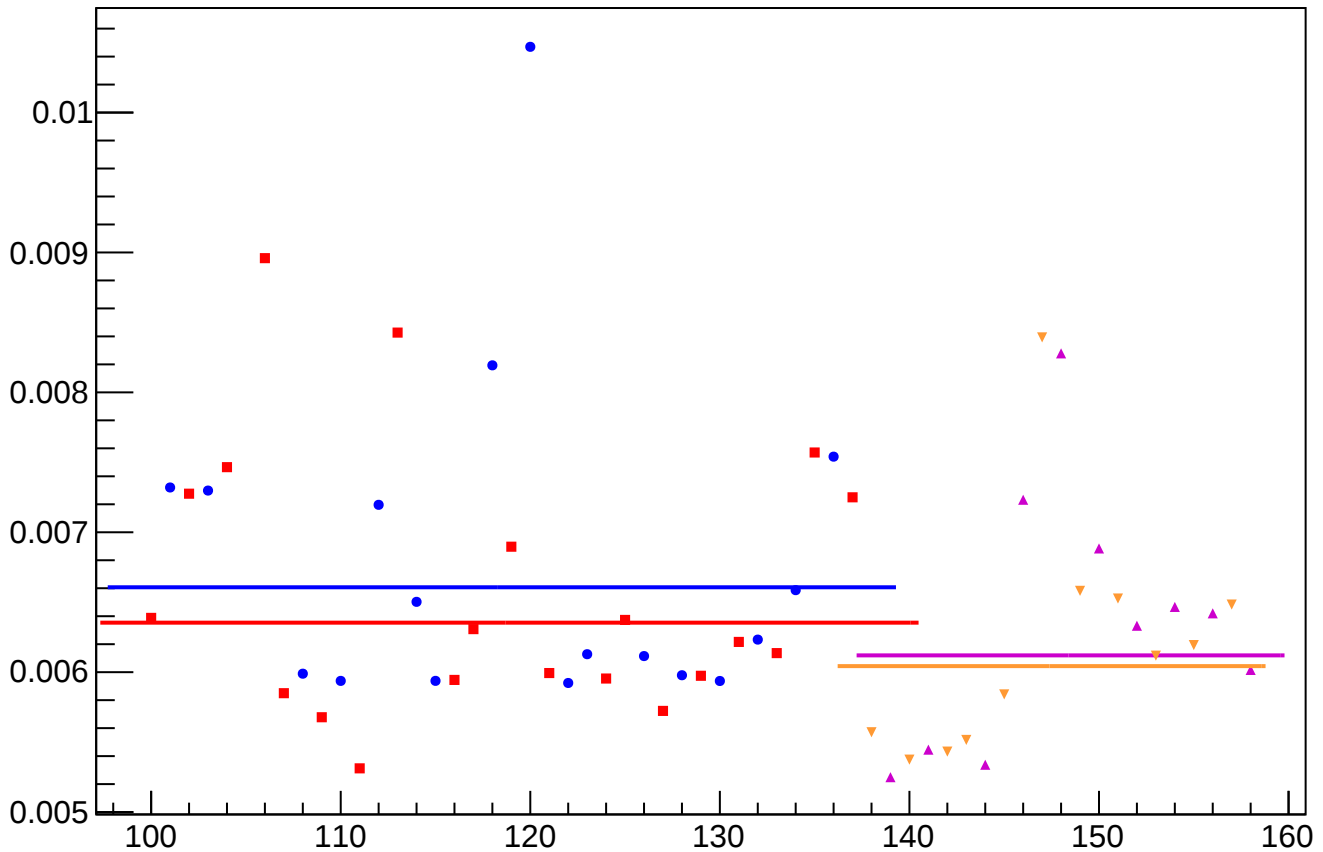
Left In: -1.802 $\pm$ 0.000 χ^2/NDF : 5232077946.9/9

-1.673 $\pm$ 0.000 χ^2/NDF : 38470151267.9/27

-1.695 $\pm$ 0.000 χ^2/NDF : 75320579359.6/5

-1.716 $\pm$ 0.000 χ^2/NDF : 36520320057.6/29

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 201323.2/16

Left Out: 0.006+/-0.000 χ^2/NDF :193279.3/10

Right Out: 0.006+/-0.000 χ^2/NDF : 227292.5/19

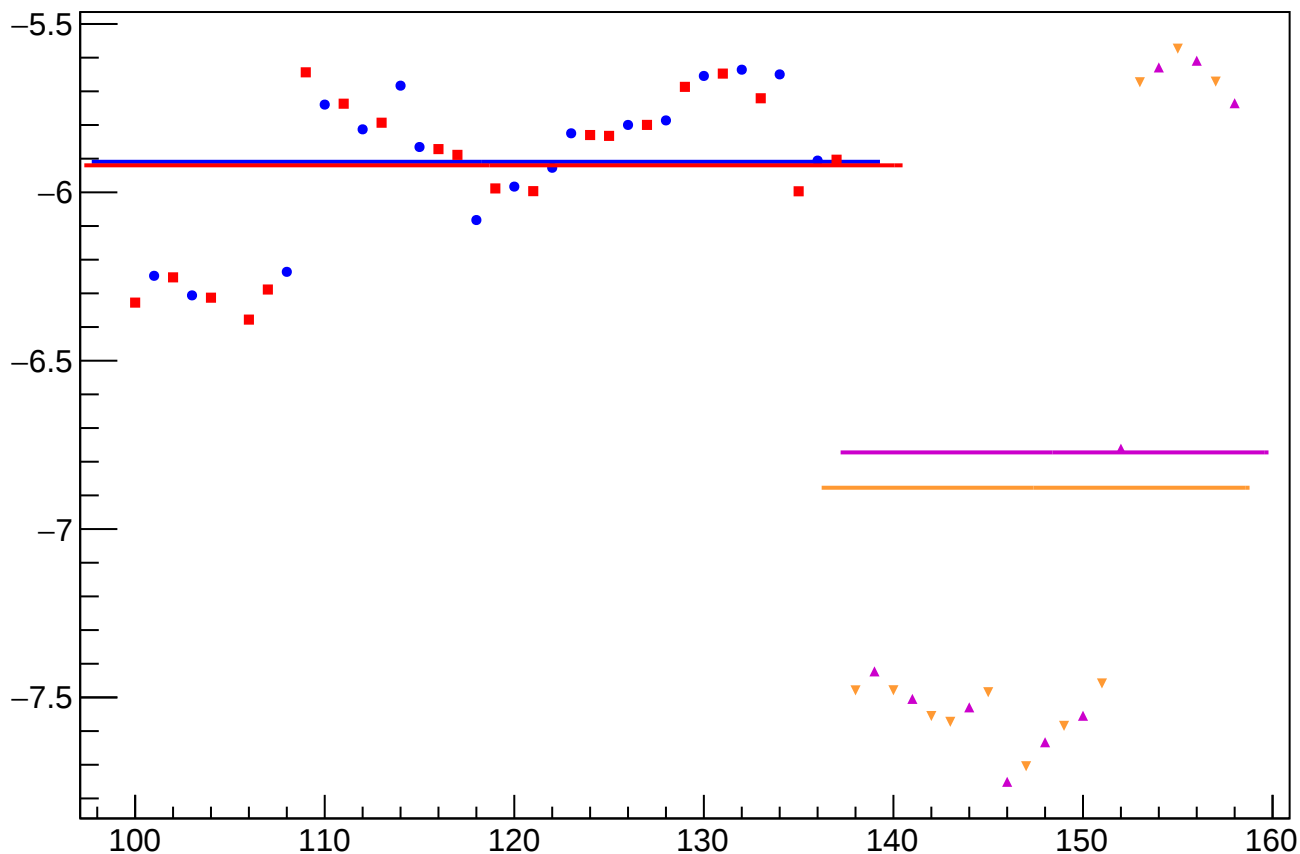
Left In: 0.006+/-0.000 χ^2/NDF :259125.1/9

0.006+/-0.000 χ^2/NDF : 447473.7/27

0.006+/-0.000 χ^2/NDF : 944459.5/57

0.006+/-0.000 χ^2/NDF : 496302.7/29

yield_bpm0l01Y_mean vs Slug, Sign Corrected



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

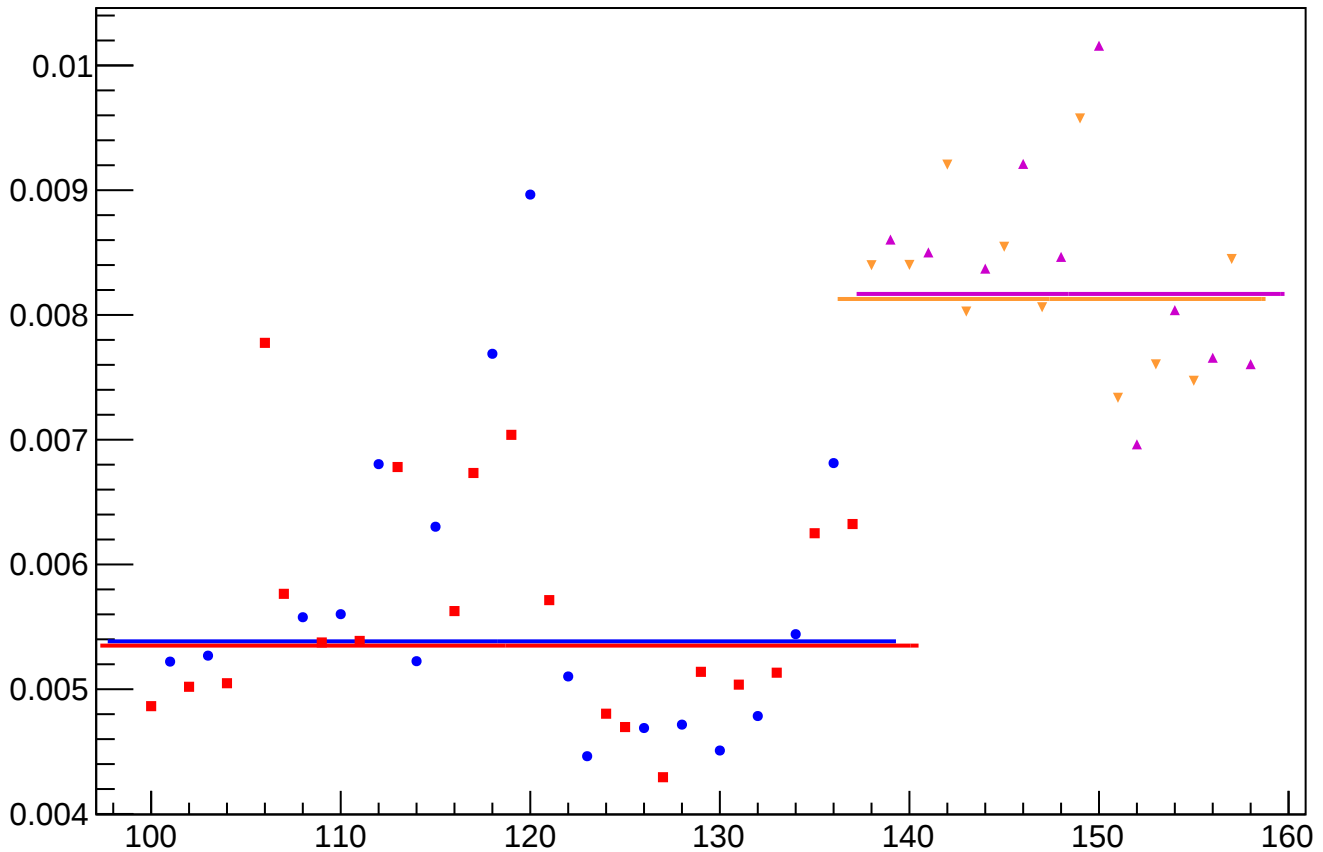
Left In: -6.772+/-0.000 χ^2/NDF : 80044716605.7/9

-6.237+/-0.000 χ^2/NDF : 160628789180.7/27

-6.215+/-0.000 χ^2/NDF : 306017299713.4

-6.194+/-0.000 χ^2/NDF : 145086258958.1/29

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.005 $\pm$ 0.000 χ^2/NDF : 347627.8/16

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 82207.5/10

Right Out: 0.005 $\pm$ 0.000 χ^2/NDF : 247999.6/19

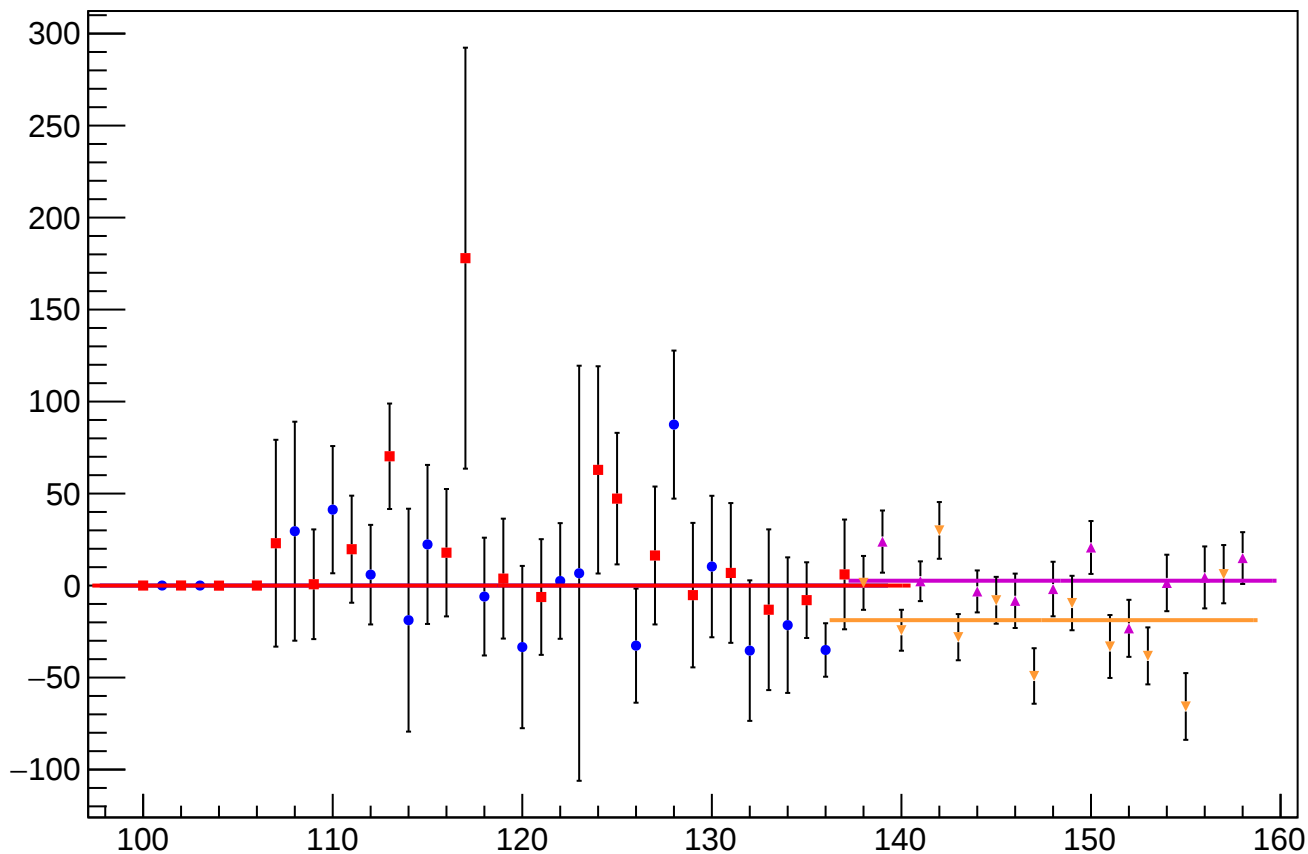
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 139467.2/9

0.006 $\pm$ 0.000 χ^2/NDF : 1462054.7/27

0.006 $\pm$ 0.000 χ^2/NDF : 2993051.4/57

0.006 $\pm$ 0.000 χ^2/NDF : 1529907.7/29

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.013 ± 0.017 $\chi^2/\text{NDF}: 15.8/16$

Left Out: -18.806 ± 4.342 $\chi^2/\text{NDF}: 29.3/10$

Right Out: -0.003 ± 0.016 $\chi^2/\text{NDF}: 17.7/19$

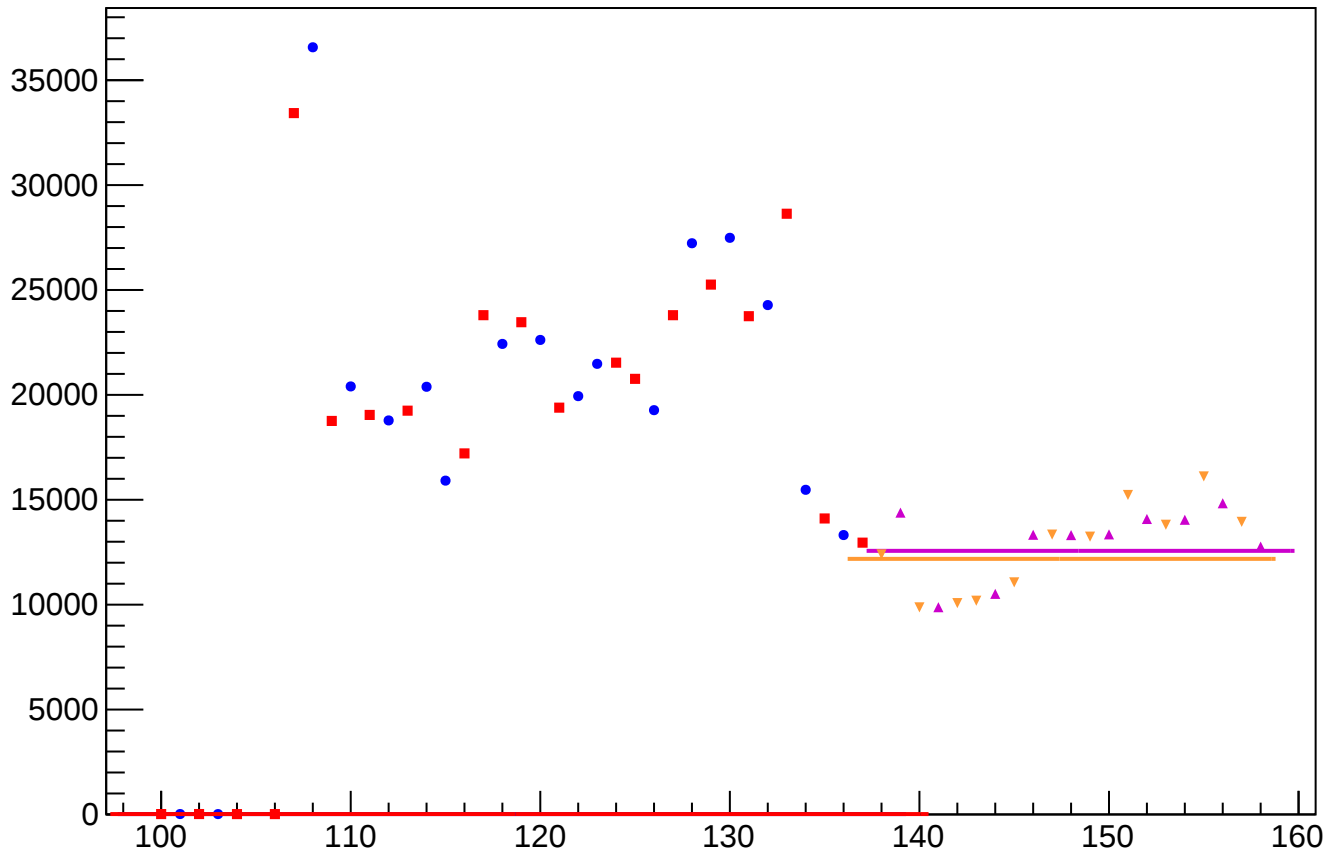
Left In: 2.633 ± 4.441 $\chi^2/\text{NDF}: 7.6/9$

0.013 ± 0.017 $\chi^2/\text{NDF}: 63.9/27$

0.004 ± 0.012 $\chi^2/\text{NDF}: 90.1/57$

-0.003 ± 0.016 $\chi^2/\text{NDF}: 25.7/29$

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 18.641 $\pm$ 0.012 χ^2 /NDF: 10841561.4/16

Left Out: 12183.091 $\pm$ 3.070 χ^2 /NDF: 416427.8/10

Right Out: 18.312 $\pm$ 0.011 χ^2 /NDF: 11189737.0/19

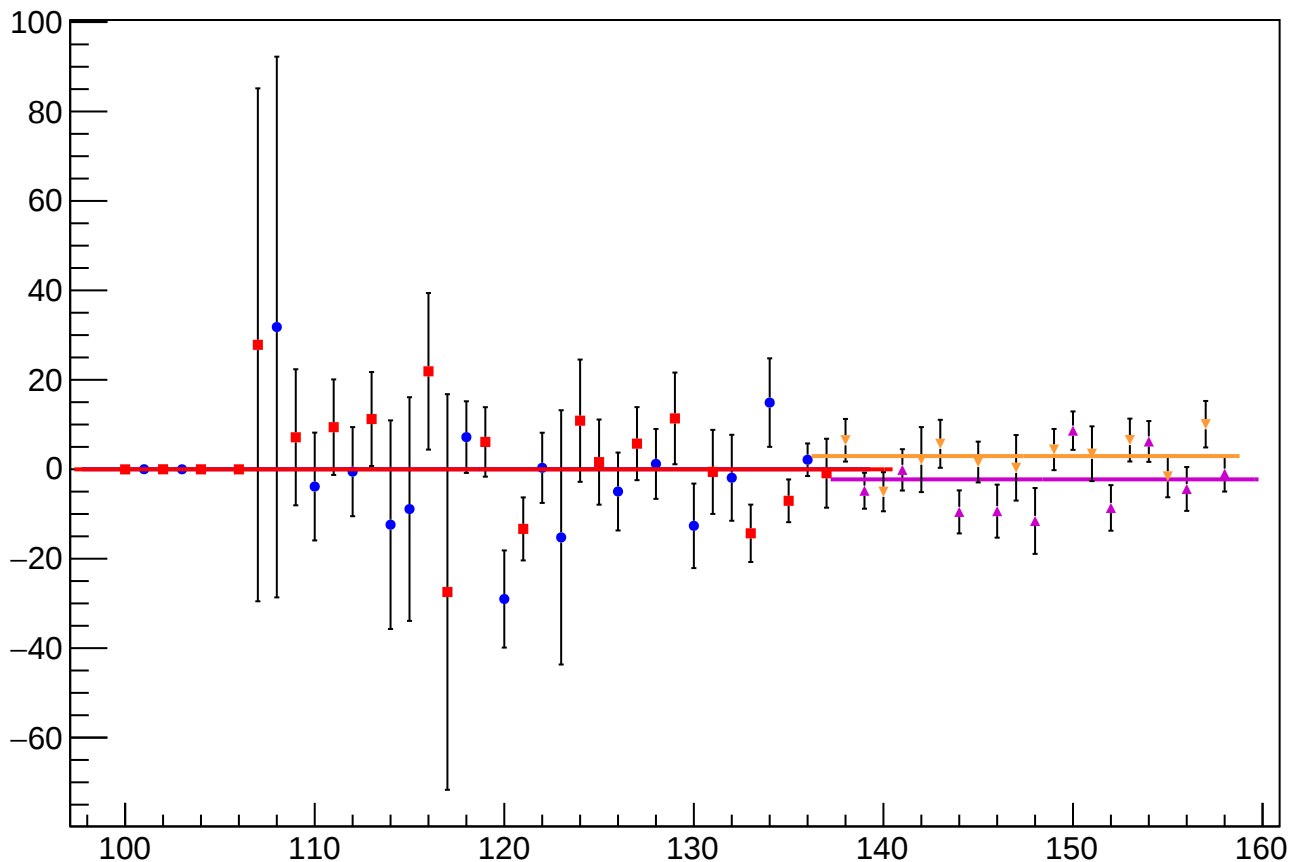
Left In: 12565.306 $\pm$ 3.140 χ^2 /NDF: 302480.5/9

18.835 $\pm$ 0.012 χ^2 /NDF: 26955009.8/27

18.642 $\pm$ 0.008 χ^2 /NDF: 54411905.6/57

18.476 $\pm$ 0.011 χ^2 /NDF: 27456435.7/29

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001 ± 0.009 χ^2/NDF : 14.9/16

Left Out: 2.948 ± 1.549 χ^2/NDF : 7.9/10

Right Out: -0.014 ± 0.009 χ^2/NDF : 18.8/19

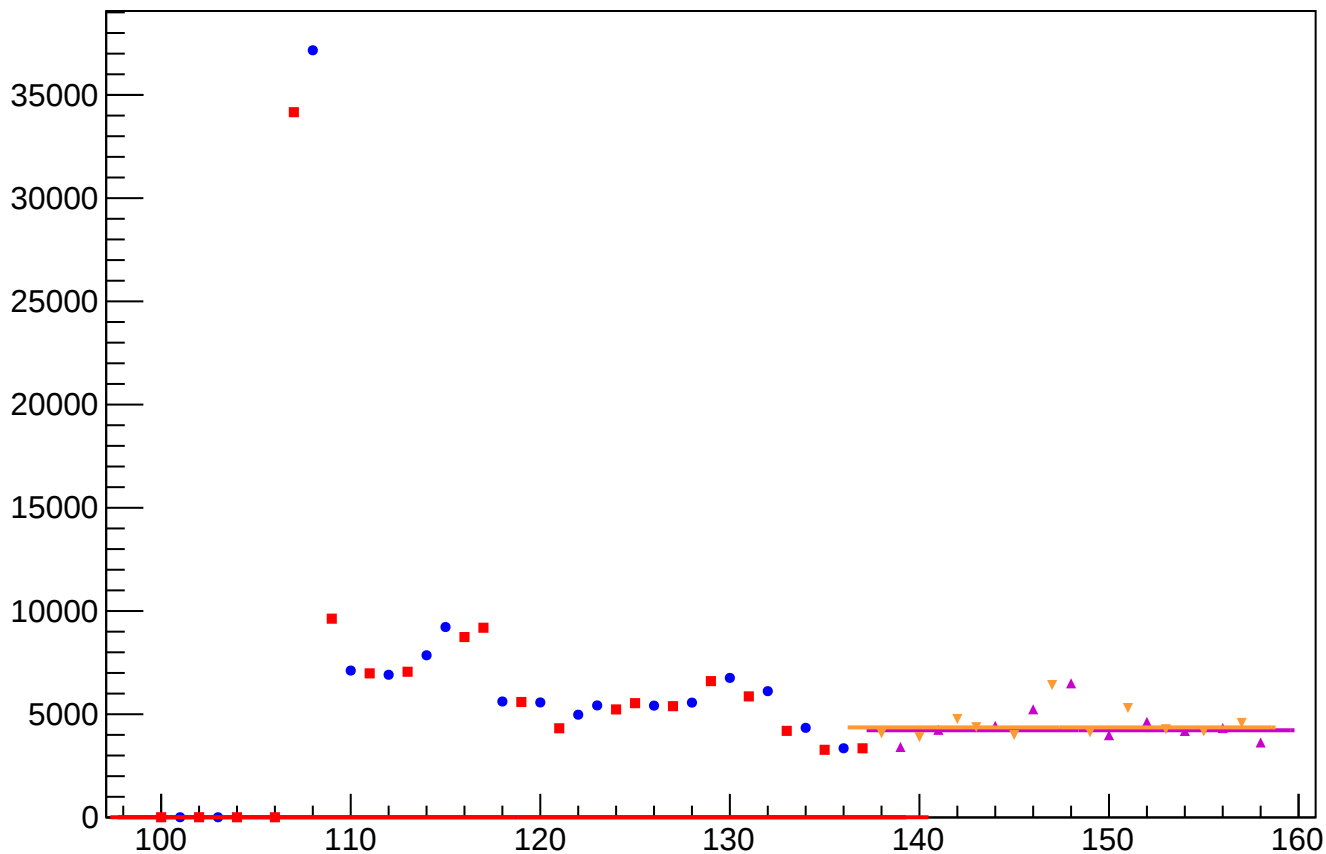
Left In: -2.264 ± 1.502 χ^2/NDF : 17.7/9

0.001 ± 0.009 χ^2/NDF : 26.4/27

-0.007 ± 0.006 χ^2/NDF : 66.5/57

-0.014 ± 0.009 χ^2/NDF : 38.7/29

diff_cav4bY_rms vs Slug, Sign Corrected



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

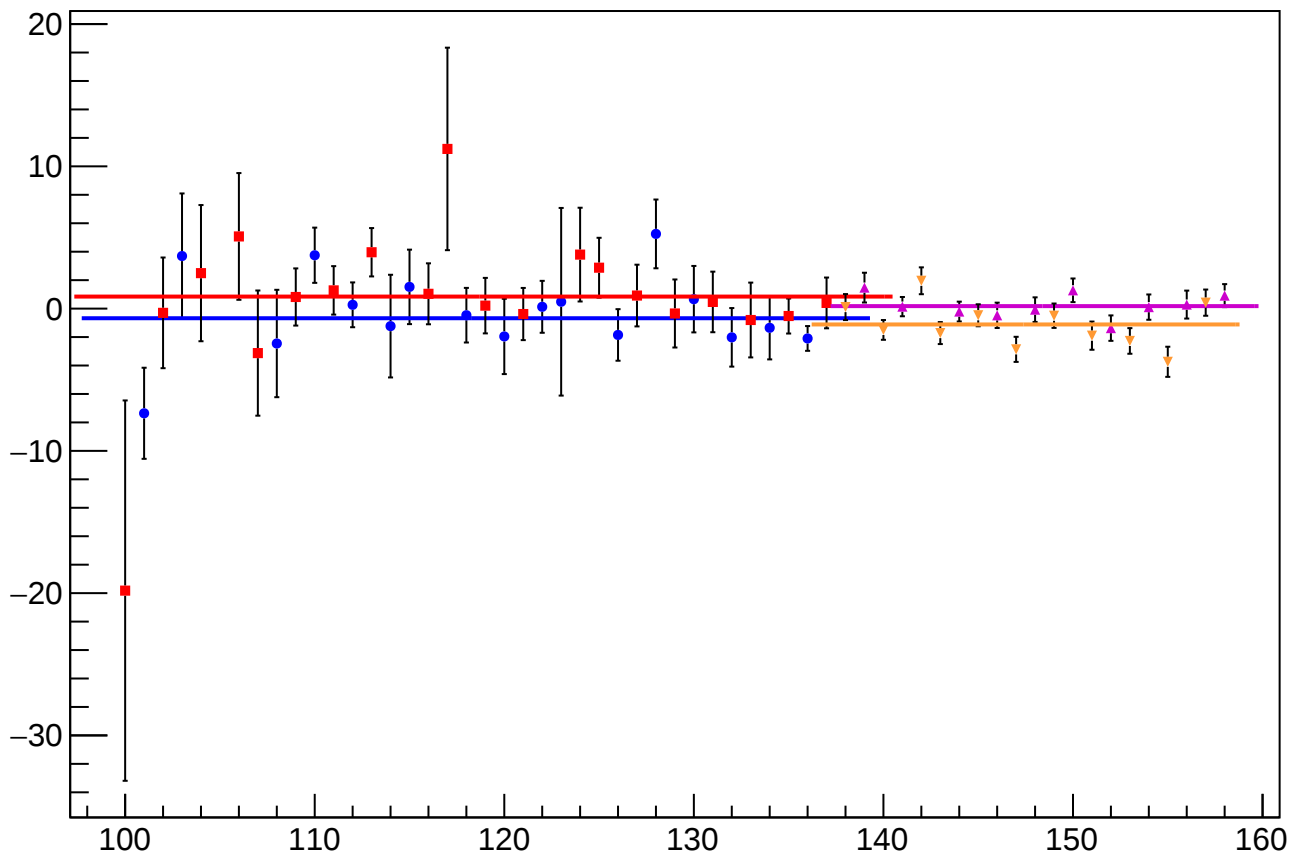
Left In: 4223.606 ± 1.062 χ^2/NDF : 397639.7/9

10.092 ± 0.007 χ^2/NDF : 27032520.5/27

10.040 ± 0.004 χ^2/NDF : 54409581.3/57

9.994 ± 0.006 χ^2/NDF : 27376942.2/29

diff_cav4cX_mean vs Slug, Sign Corrected



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

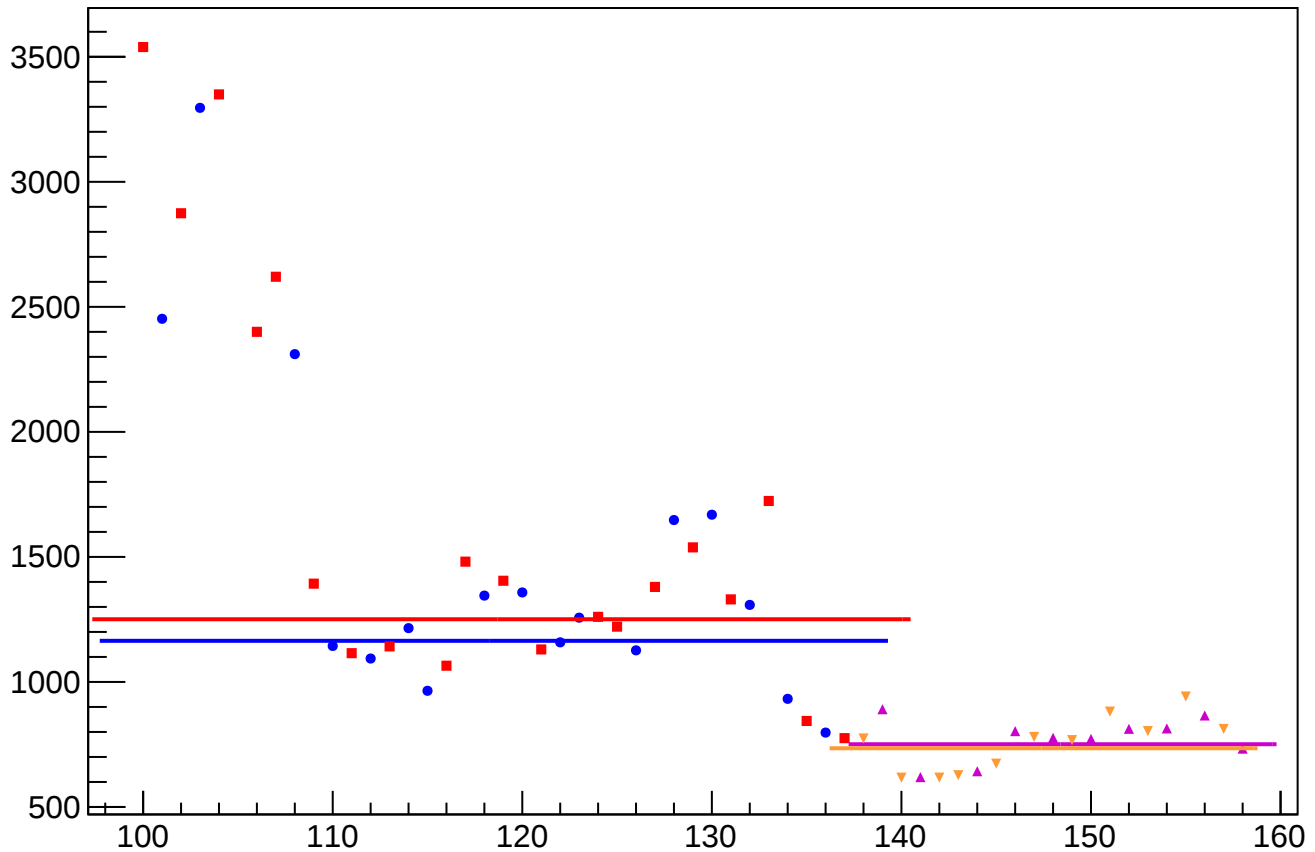
Left In: 0.175 ± 0.265 χ^2/NDF : 8.1/9

-1.015 ± 0.230 χ^2/NDF : 52.5/27

-0.359 ± 0.164 χ^2/NDF : 92.8/57

0.322 ± 0.234 χ^2/NDF : 23.6/29

diff_cav4cX_rms vs Slug, Sign Corrected



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

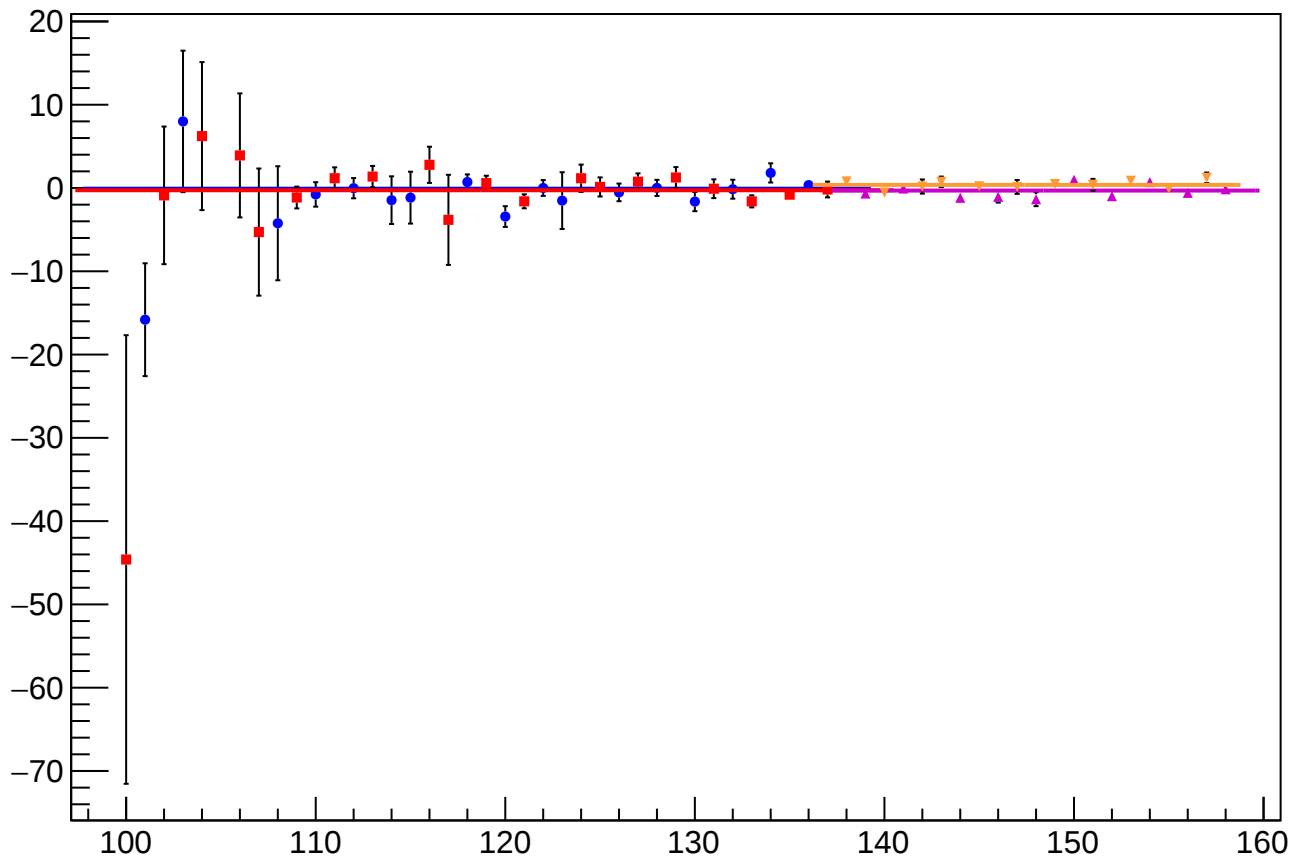
Left In: 750.893 $\pm$ 0.187 χ^2 /NDF: 217087.4/9

831.416 $\pm$ 0.162 χ^2 /NDF: 3102481.4/27

845.551 $\pm$ 0.116 χ^2 /NDF: 6548525.1/57

860.219 $\pm$ 0.165 χ^2 /NDF: 3430593.2/29

diff_cav4cY_mean vs Slug, Sign Corrected



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

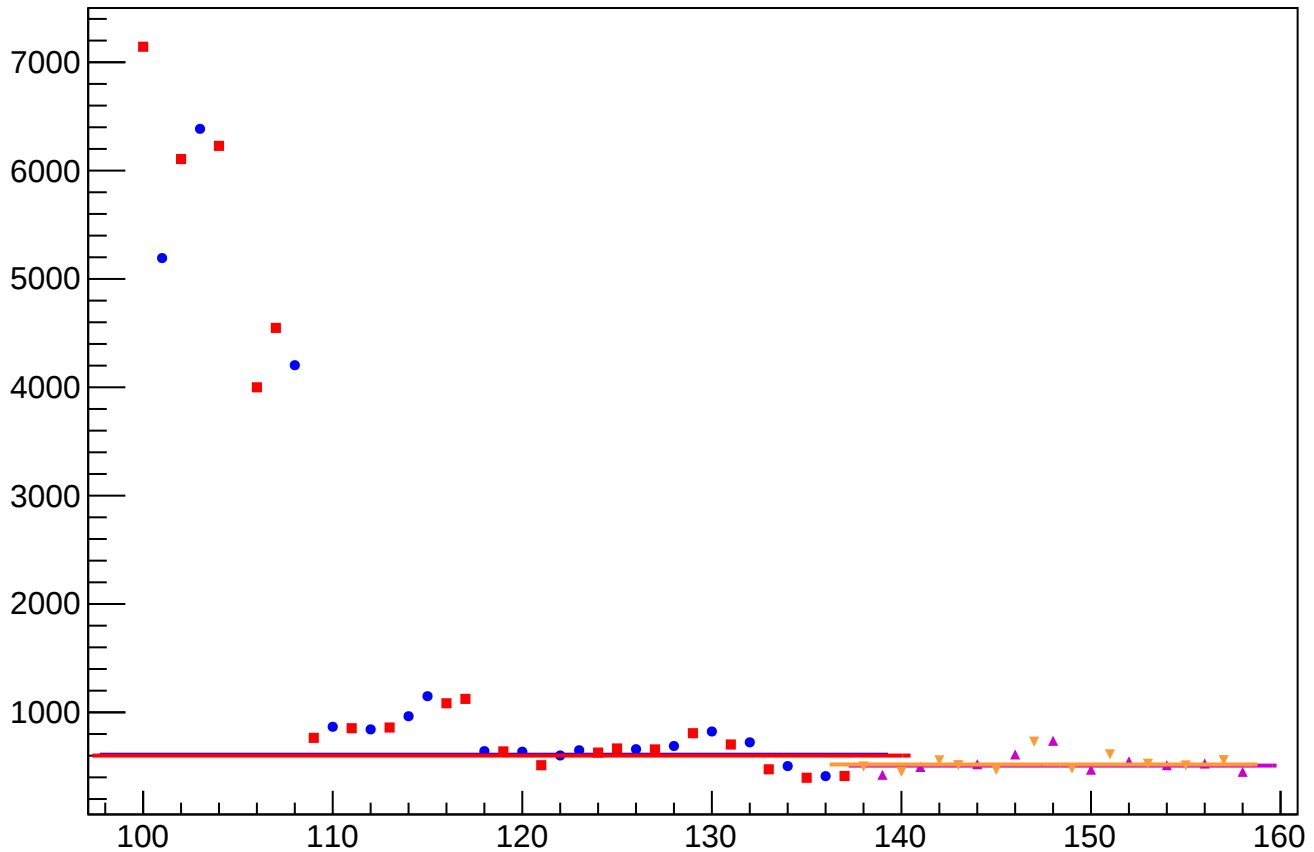
Left In: -0.308 ± 0.180 χ^2/NDF : 17.2/9

0.227 ± 0.152 χ^2/NDF : 30.6/27

-0.039 ± 0.106 χ^2/NDF : 74.7/57

-0.295 ± 0.149 χ^2/NDF : 38.1/29

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 609.016+/-0.191 χ^2/NDF : 3139231.5/16

Left Out: 518.840+/-0.130 χ^2/NDF : 241368.1/10

Right Out: 601.159+/-0.187 χ^2/NDF : 3566339.5/19

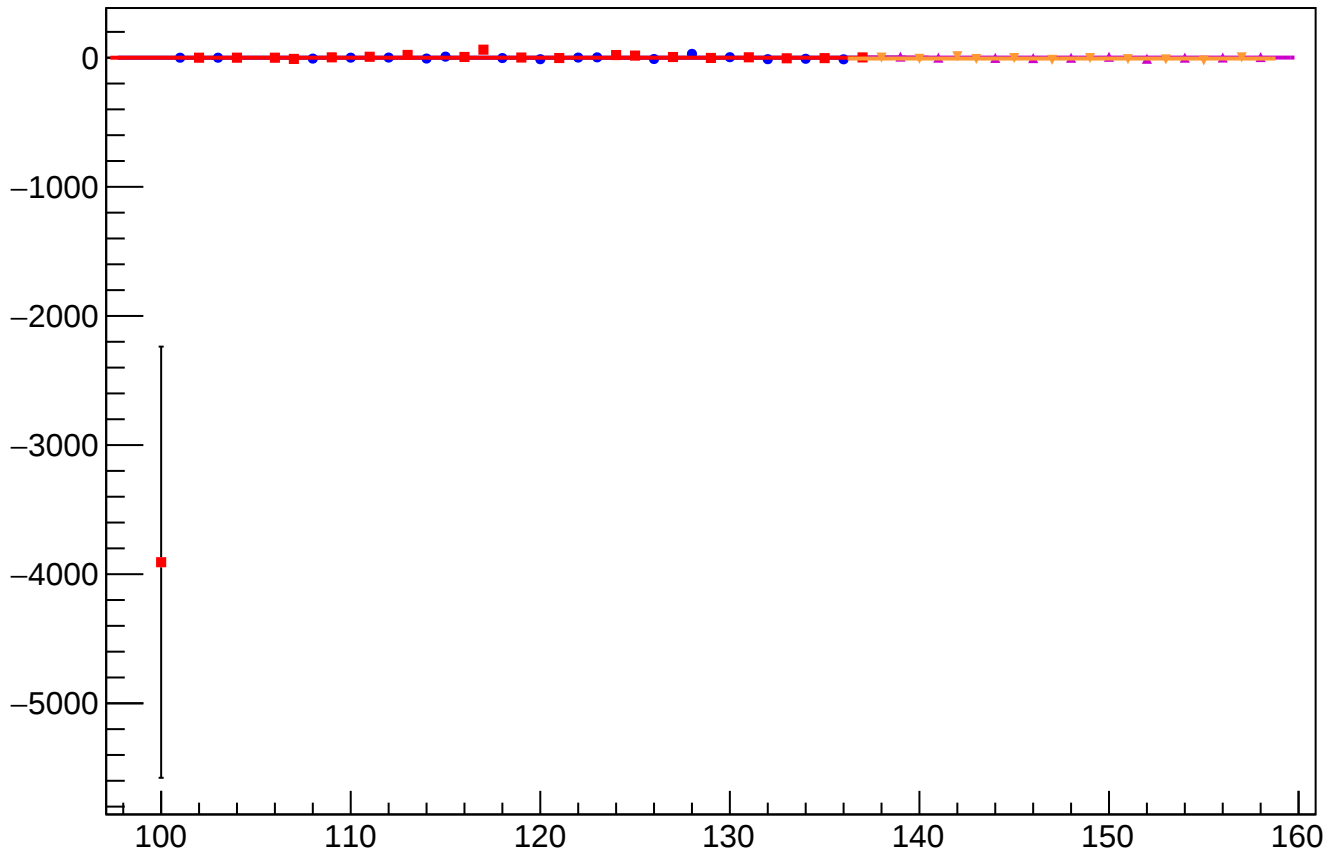
Left In: 508.577+/-0.127 χ^2/NDF : 303116.1/9

547.400+/-0.108 χ^2/NDF : 3532860.8/27

542.602+/-0.075 χ^2/NDF : 7573976.0/57

538.004+/-0.105 χ^2/NDF : 4037214.5/29

diff_cav4dX_mean vs Slug, Sign Corrected



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

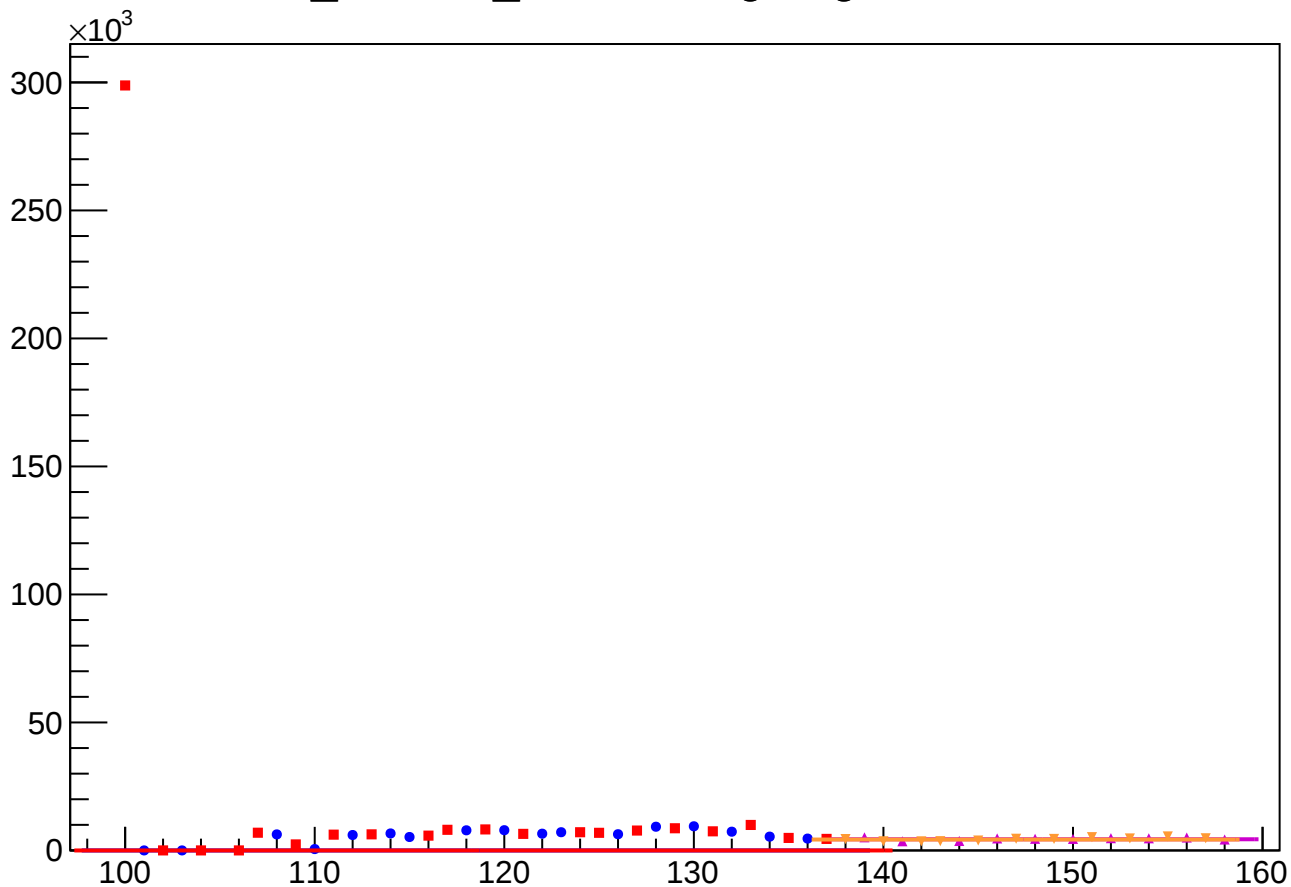
Left In: 0.993 ± 1.541 χ^2/NDF : 8.0/9

-0.023 ± 0.021 χ^2/NDF : 62.8/27

0.003 ± 0.014 χ^2/NDF : 93.9/57

0.027 ± 0.020 χ^2/NDF : 28.2/29

diff_cav4dX_rms vs Slug, Sign Corrected



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

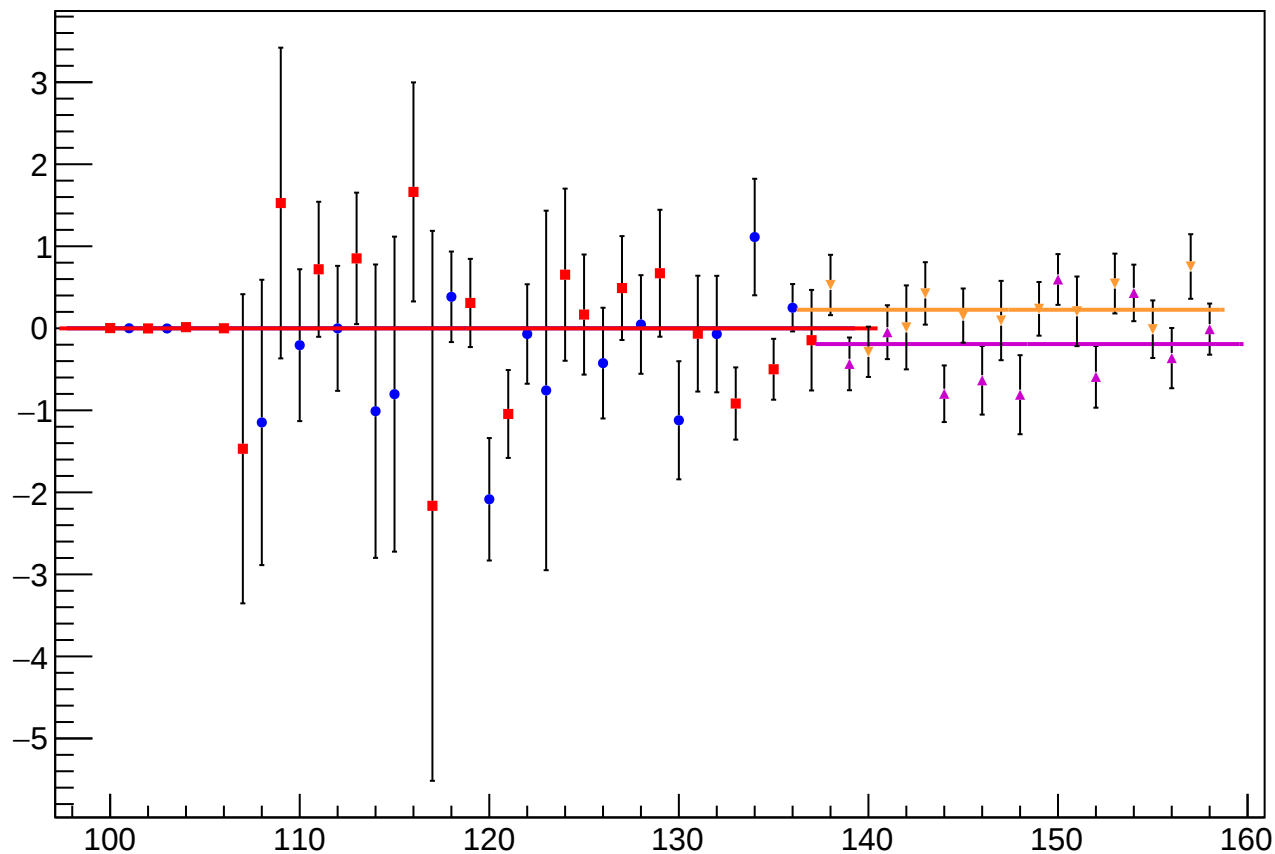
Left In: 4371.845 $\pm$ 1.090 χ^2 /NDF: 229433.7/9

18.137 $\pm$ 0.015 χ^2 /NDF: 26404389.3/27

18.058 $\pm$ 0.010 χ^2 /NDF: 53500344.2/57

17.987 $\pm$ 0.014 χ^2 /NDF: 27095900.5/29

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.002 $\chi^2/\text{NDF}: 15.6/16$

Left Out: 0.226 ± 0.112 $\chi^2/\text{NDF}: 7.1/10$

Right Out: -0.001 ± 0.002 $\chi^2/\text{NDF}: 18.2/19$

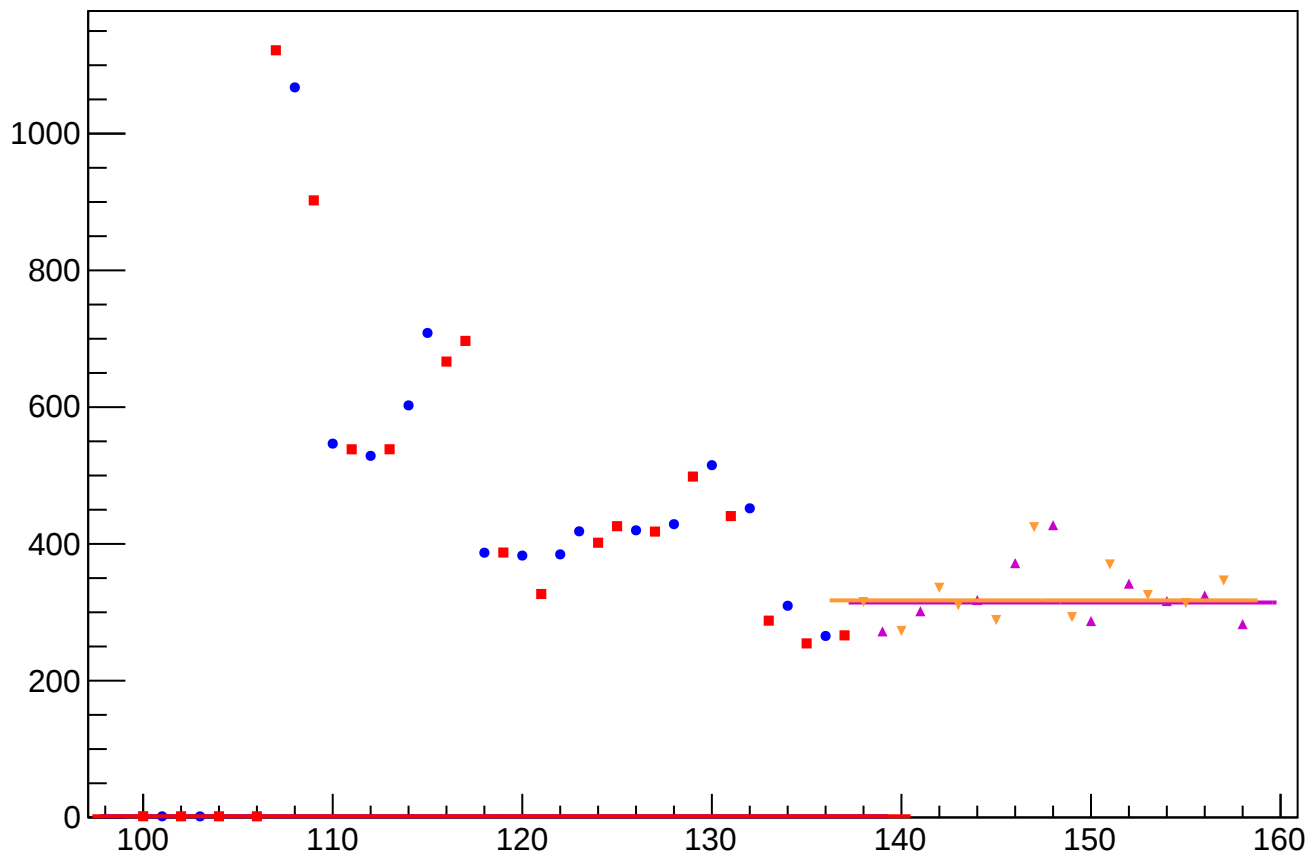
Left In: -0.192 ± 0.111 $\chi^2/\text{NDF}: 18.0/9$

0.000 ± 0.002 $\chi^2/\text{NDF}: 26.7/27$

-0.000 ± 0.001 $\chi^2/\text{NDF}: 66.1/57$

-0.001 ± 0.002 $\chi^2/\text{NDF}: 39.2/29$

diff_cav4dY_rms vs Slug, Sign Corrected



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

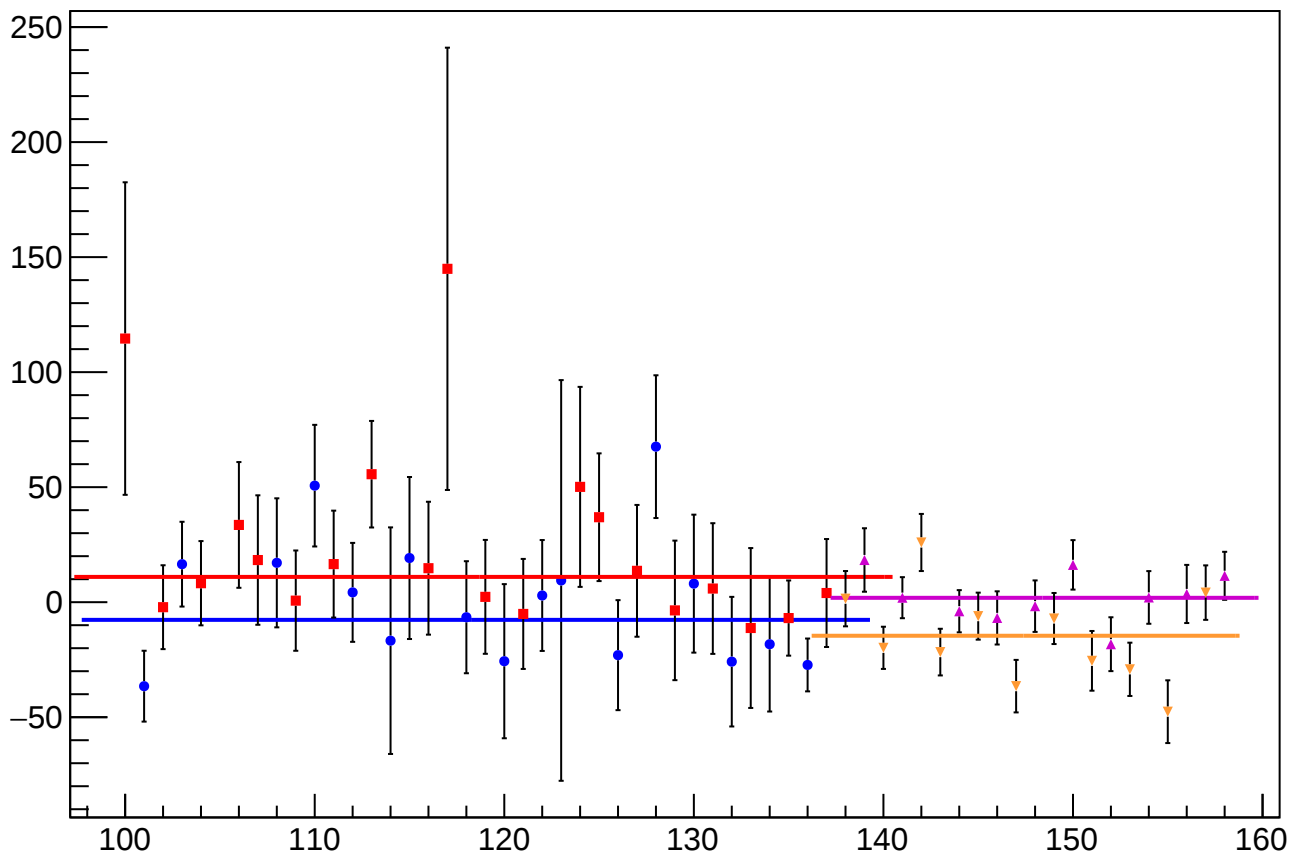
Left In: 314.338 ± 0.079 χ^2/NDF : 233960.6/9

1.801 ± 0.001 χ^2/NDF : 26903505.9/27

1.813 ± 0.001 χ^2/NDF : 53792311.3/57

1.824 ± 0.001 χ^2/NDF : 26888672.9/29

diff_bpm4aX_mean vs Slug, Sign Corrected



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

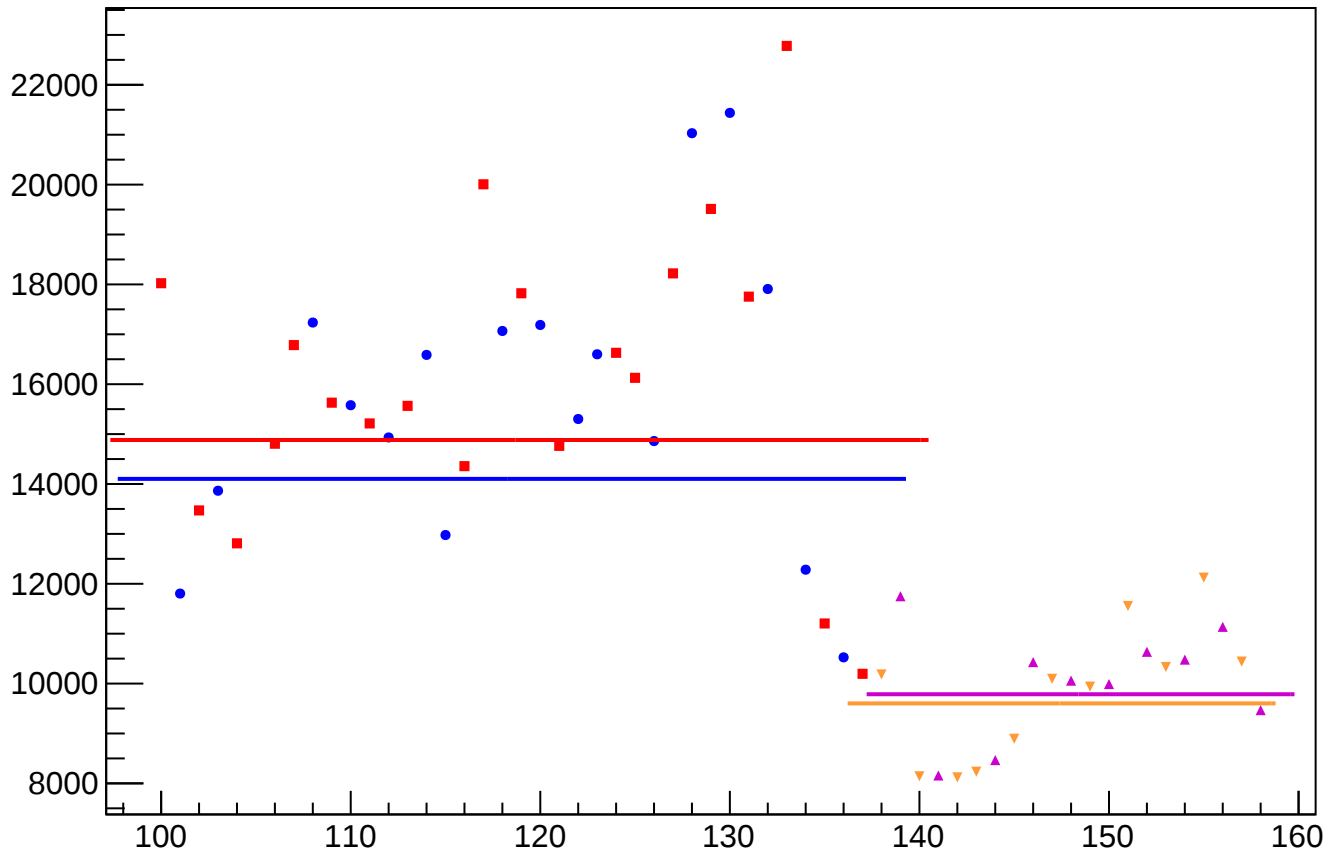
Left In: 1.898 ± 3.447 χ^2/NDF : 8.1/9

-12.740 ± 2.913 χ^2/NDF : 52.2/27

-4.290 ± 2.071 χ^2/NDF : 93.0/57

4.350 ± 2.945 χ^2/NDF : 23.8/29

diff_bpm4aX_rms vs Slug, Sign Corrected



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

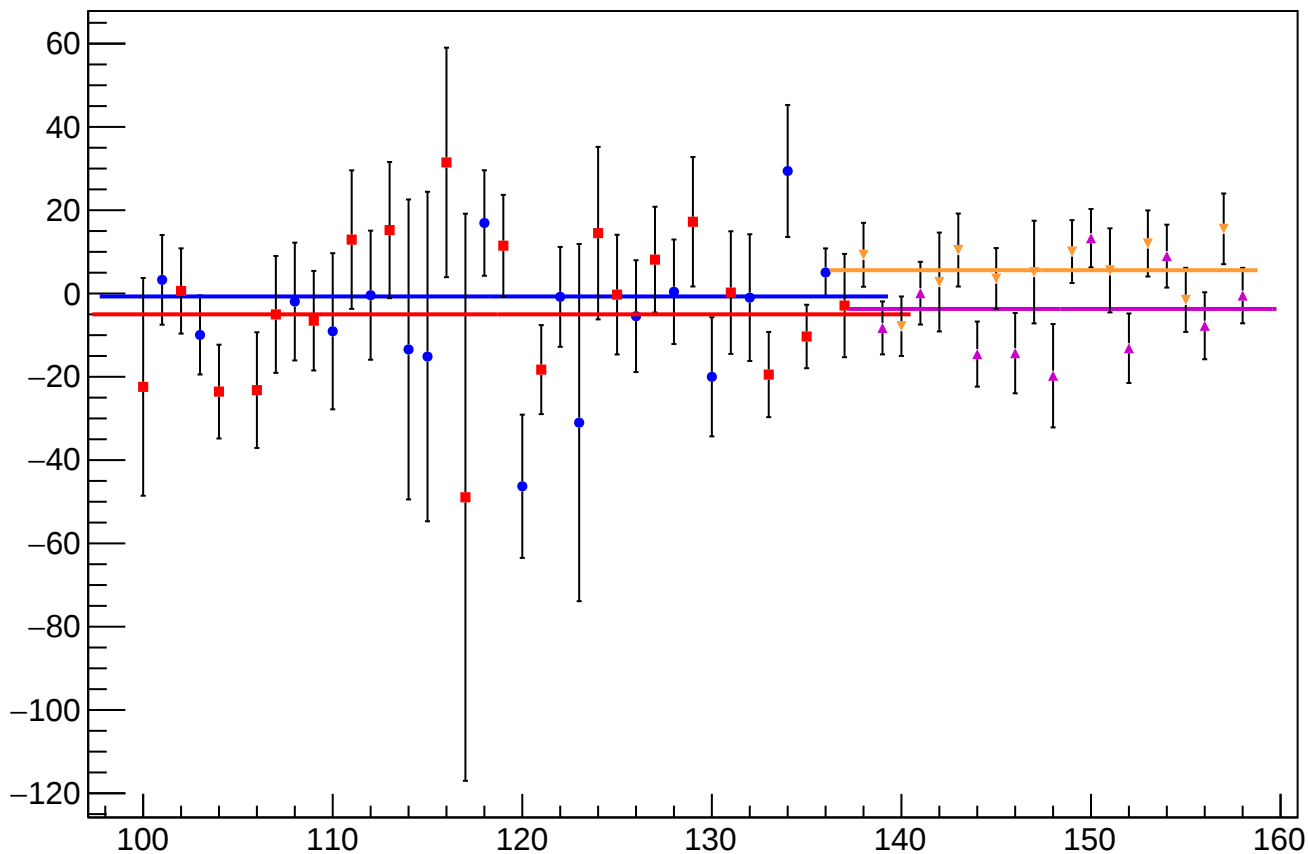
Left In: 9786.260+/-2.437 χ^2/NDF : 199238.1/9

10808.469+/-2.060 χ^2/NDF : 1802126.0/27

10982.407+/-1.464 χ^2/NDF : 3670654.5/5

11160.264+/-2.083 χ^2/NDF : 1854104.3/29

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.708 $\pm$ 3.084 χ^2/NDF : 17.6/16

Left Out: 5.594 $\pm$ 2.532 χ^2/NDF : 7.5/10

Right Out: -5.000 $\pm$ 2.937 χ^2/NDF : 20.2/19

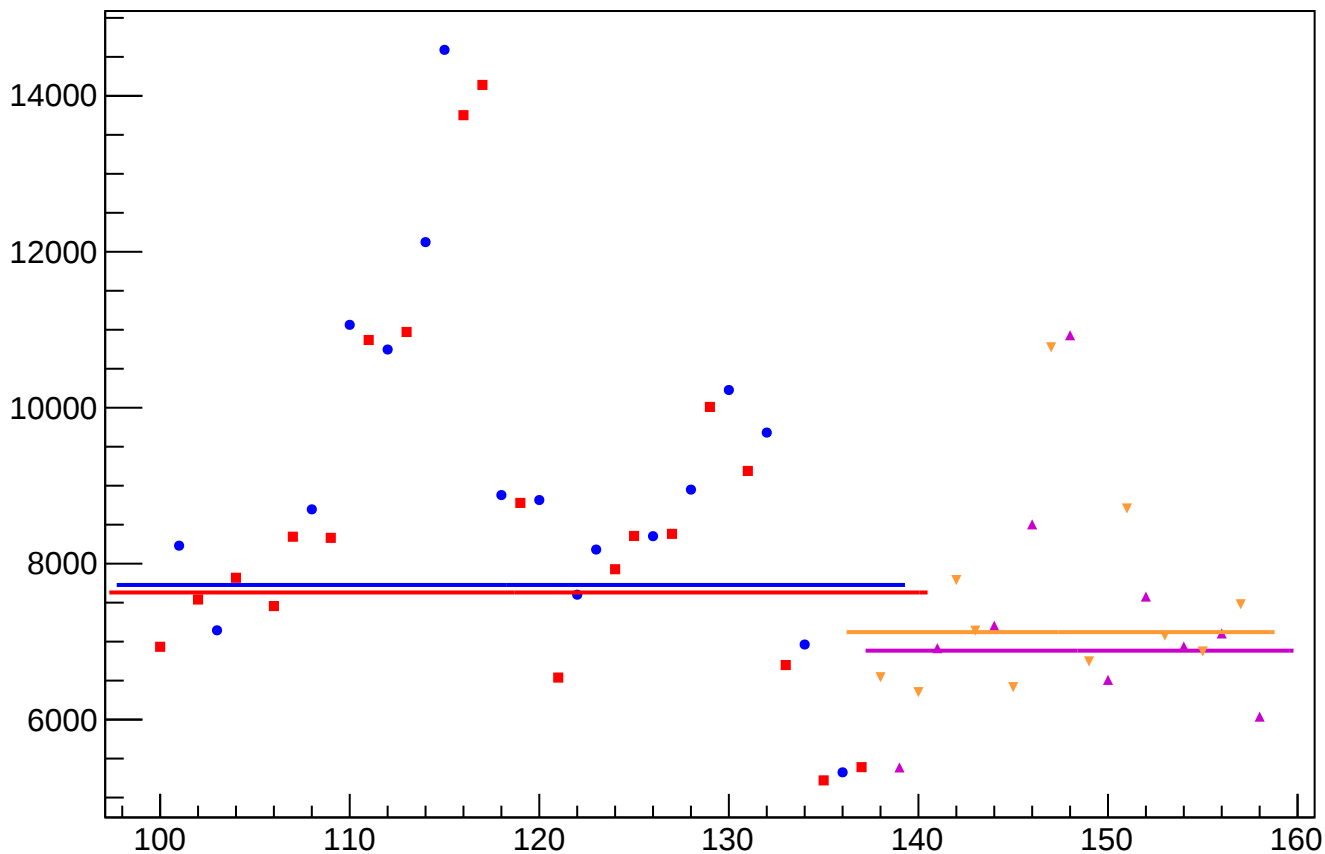
Left In: -3.703 $\pm$ 2.453 χ^2/NDF : 16.0/9

3.056 $\pm$ 1.957 χ^2/NDF : 27.5/27

-0.731 $\pm$ 1.357 χ^2/NDF : 71.0/57

-4.236 $\pm$ 1.882 χ^2/NDF : 36.3/29

diff_bpm4aY_rms vs Slug, Sign Corrected



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

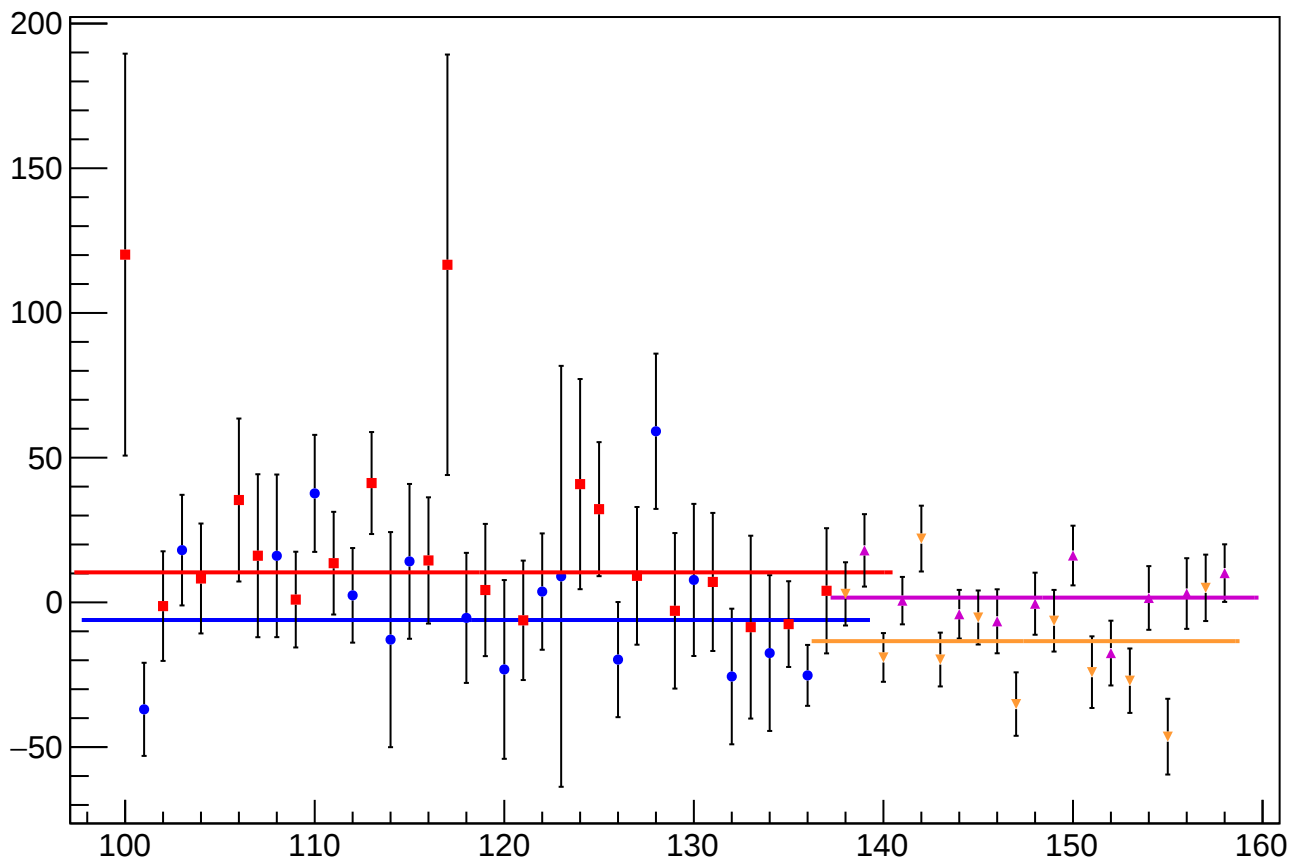
Left In: 6883.999 $\pm$ 1.734 χ^2 /NDF:436865.2/9

7365.398 $\pm$ 1.384 χ^2 /NDF: 1083689.0/27

7274.630 $\pm$ 0.959 χ^2 /NDF: 2298381.6/57

7190.640 $\pm$ 1.331 χ^2 /NDF: 1206408.3/29

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -6.092 ± 5.034 $\chi^2/\text{NDF}: 22.9/16$

Left Out: -13.398 ± 3.187 $\chi^2/\text{NDF}: 29.2/10$

Right Out: 10.369 ± 4.992 $\chi^2/\text{NDF}: 13.8/19$

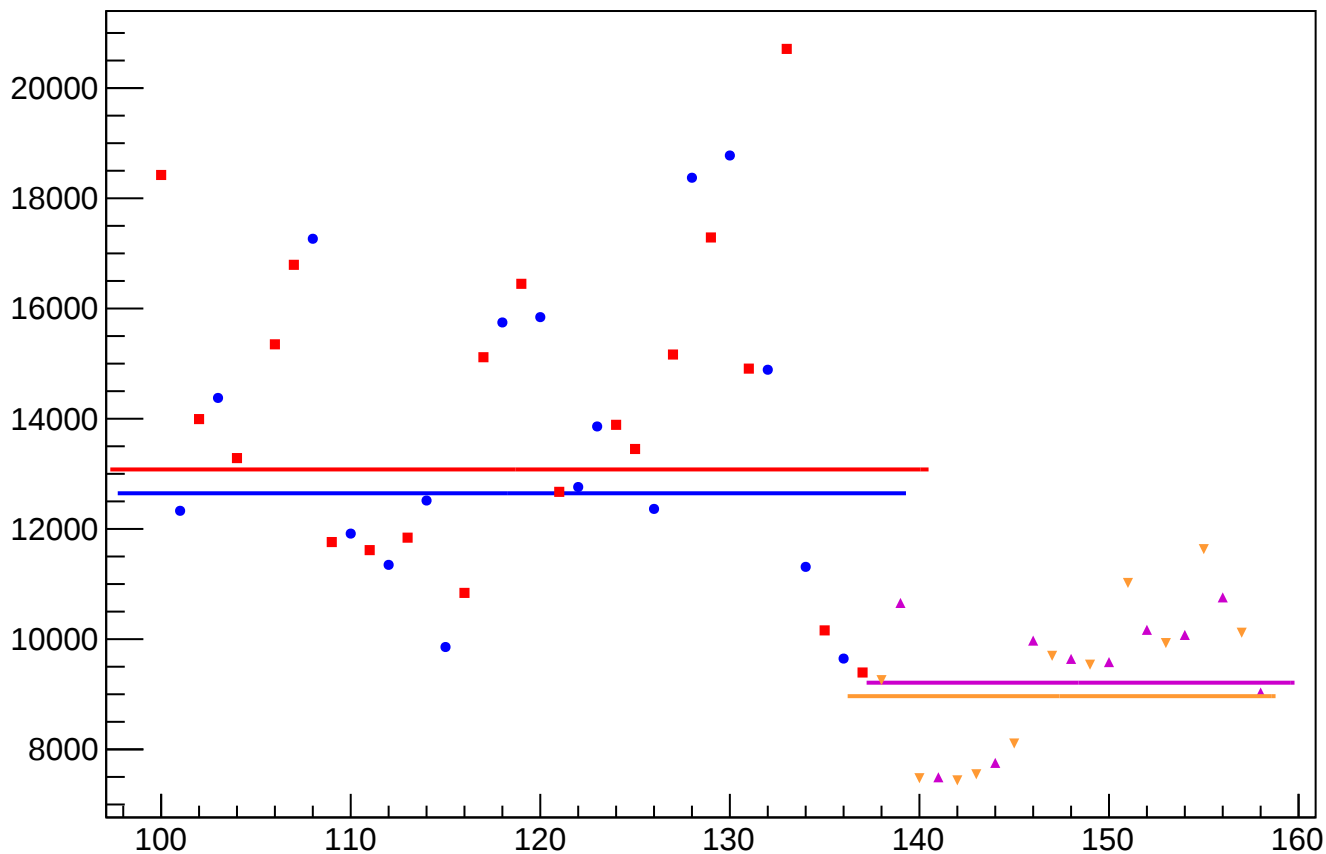
Left In: 1.643 ± 3.248 $\chi^2/\text{NDF}: 8.4/9$

-11.307 ± 2.693 $\chi^2/\text{NDF}: 53.6/27$

-3.619 ± 1.915 $\chi^2/\text{NDF}: 94.4/57$

4.239 ± 2.723 $\chi^2/\text{NDF}: 24.4/29$

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12647.257 $\pm$ 3.559 χ^2 /NDF: 554320.4/16

Left Out: 8965.555 $\pm$ 2.254 χ^2 /NDF: 351441.8/10

Right Out: 13079.592 $\pm$ 3.530 χ^2 /NDF: 497851.1/19

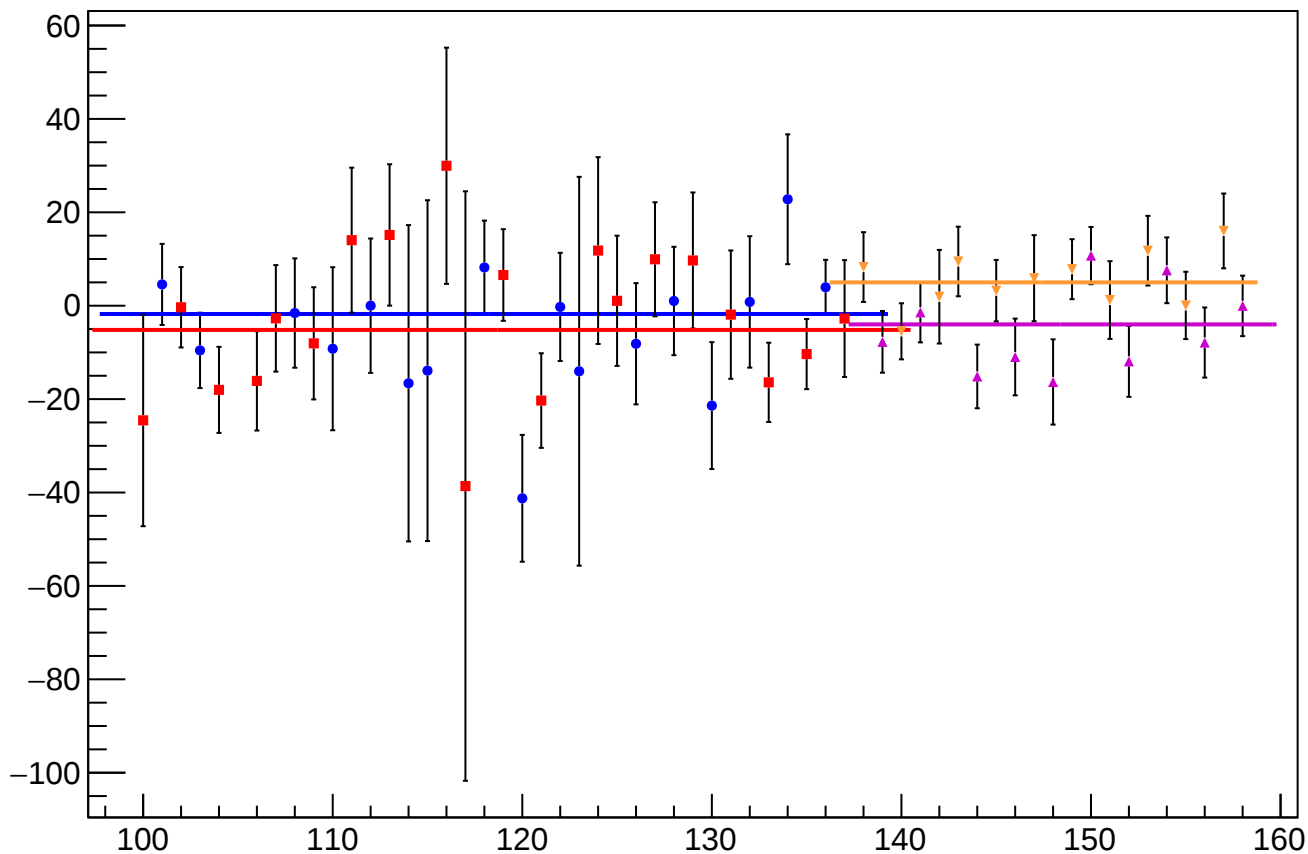
Left In: 9210.080 $\pm$ 2.297 χ^2 /NDF: 249803.6/9

10019.278 $\pm$ 1.904 χ^2 /NDF: 1669469.9/27

10188.403 $\pm$ 1.354 χ^2 /NDF: 3277360.9/5

10361.286 $\pm$ 1.925 χ^2 /NDF: 1591938.6/29

diff_bpm4eY_mean vs Slug, Sign Corrected



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

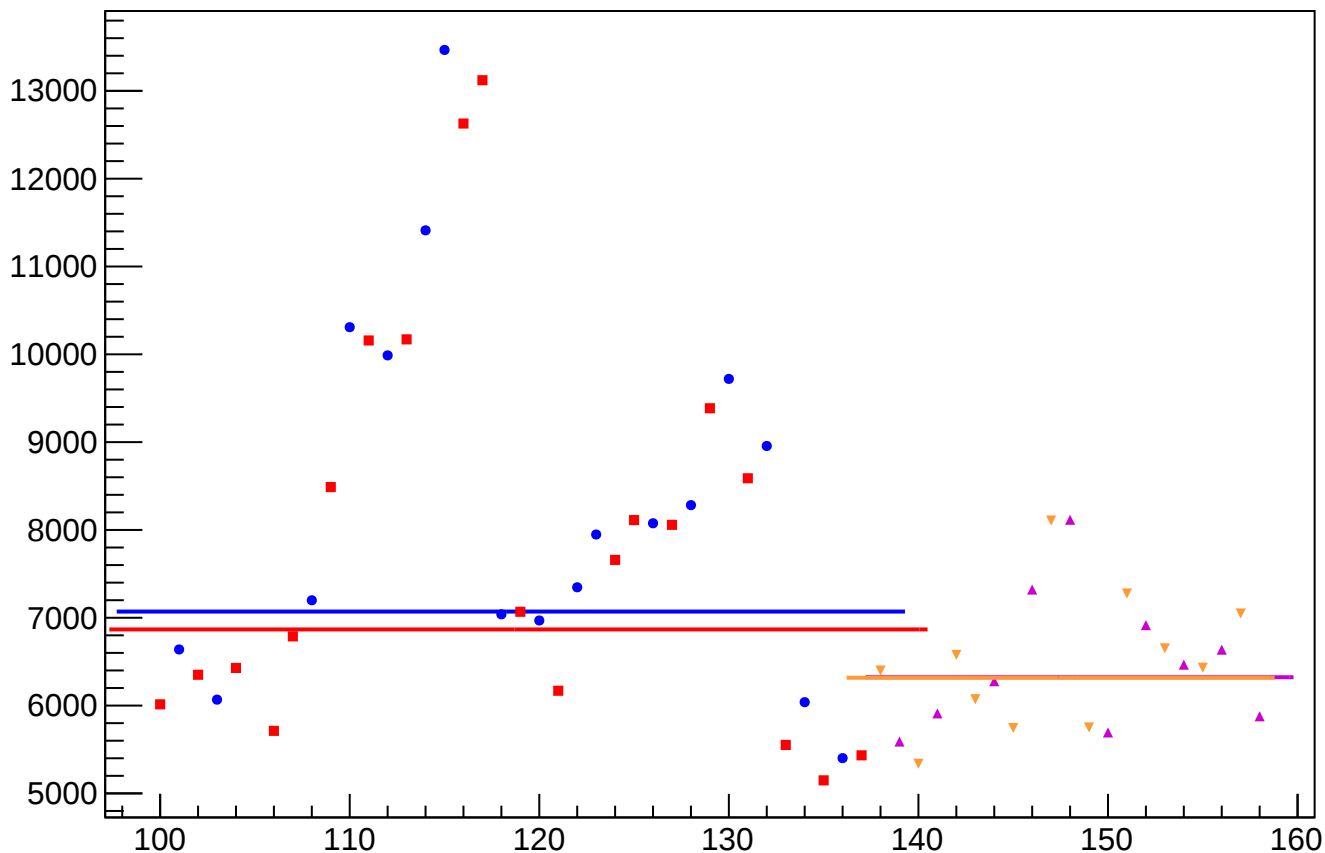
Left In: -4.000 ± 2.230 χ^2/NDF : 15.9/9

2.367 ± 1.749 χ^2/NDF : 28.9/27

-1.152 ± 1.220 χ^2/NDF : 72.0/57

-4.492 ± 1.704 χ^2/NDF : 35.2/29

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7070.672 $\pm$ 1.984 χ^2 /NDF: 601692.5/16

Left Out: 6317.165 $\pm$ 1.581 χ^2 /NDF:210868.6/10

Right Out: 6867.094 $\pm$ 1.866 χ^2 /NDF: 701892.5/19

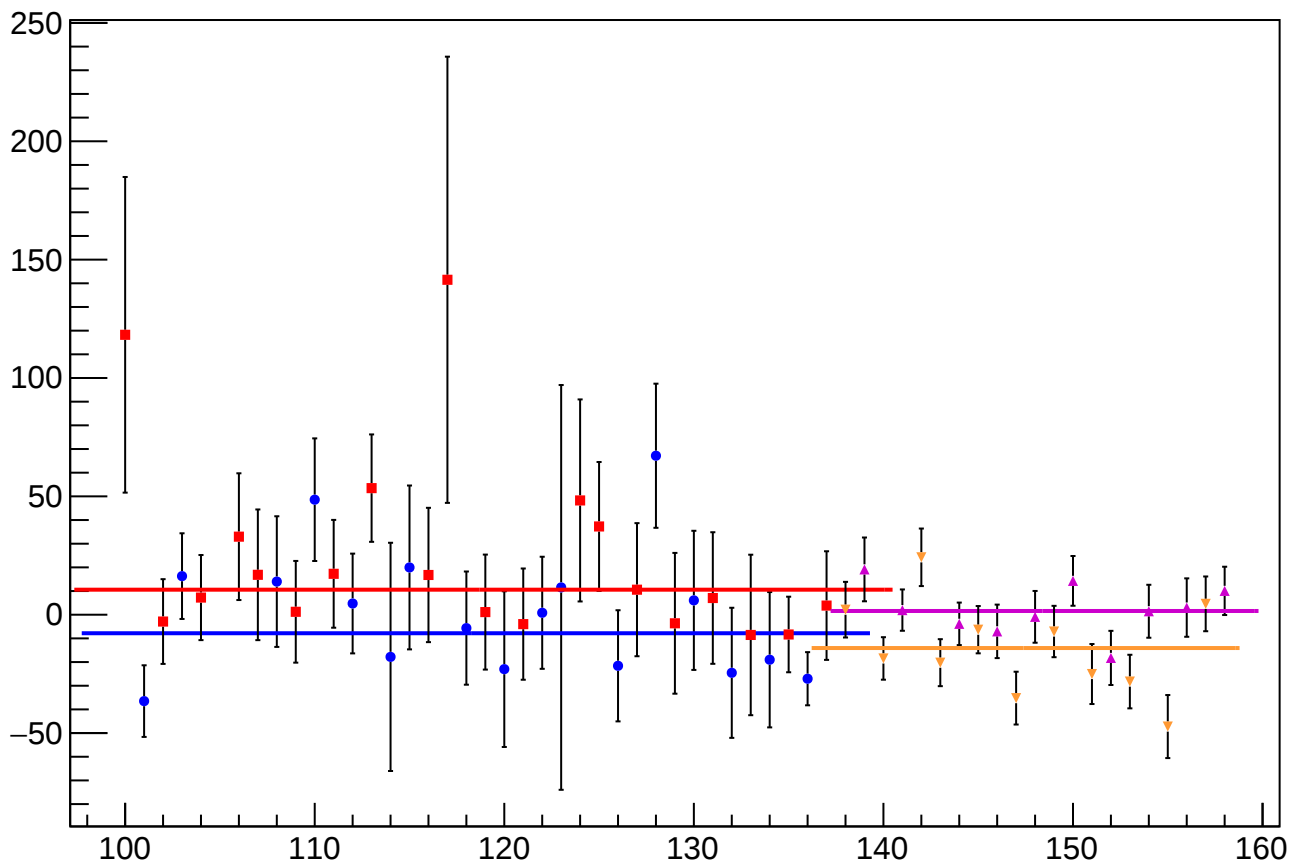
Left In: 6322.887 $\pm$ 1.577 χ^2 /NDF:186514.4/9

6609.800 $\pm$ 1.236 χ^2 /NDF: 900772.3/27

6578.901 $\pm$ 0.863 χ^2 /NDF: 1839998.2/57

6549.575 $\pm$ 1.205 χ^2 /NDF: 938008.7/29

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -7.825 ± 5.516 χ^2/NDF : 22.3/16

Left Out: -14.076 ± 3.328 χ^2/NDF : 28.2/10

Right Out: 10.574 ± 5.561 χ^2/NDF : 14.1/19

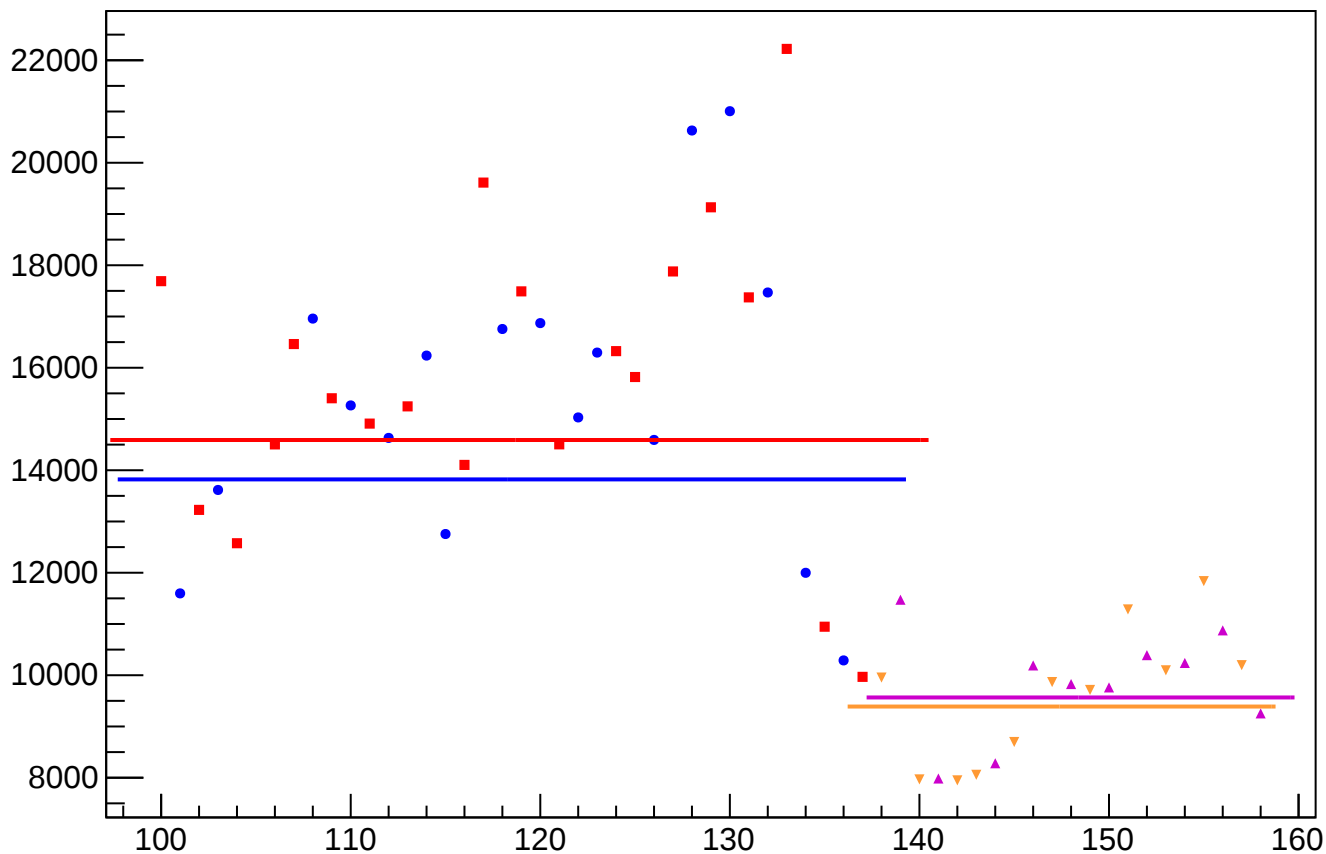
Left In: 1.576 ± 3.369 χ^2/NDF : 7.9/9

-12.408 ± 2.850 χ^2/NDF : 51.4/27

-4.299 ± 2.026 χ^2/NDF : 91.7/57

3.991 ± 2.881 χ^2/NDF : 23.9/29

diff_bpm4acX_rms vs Slug, Sign Corrected



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

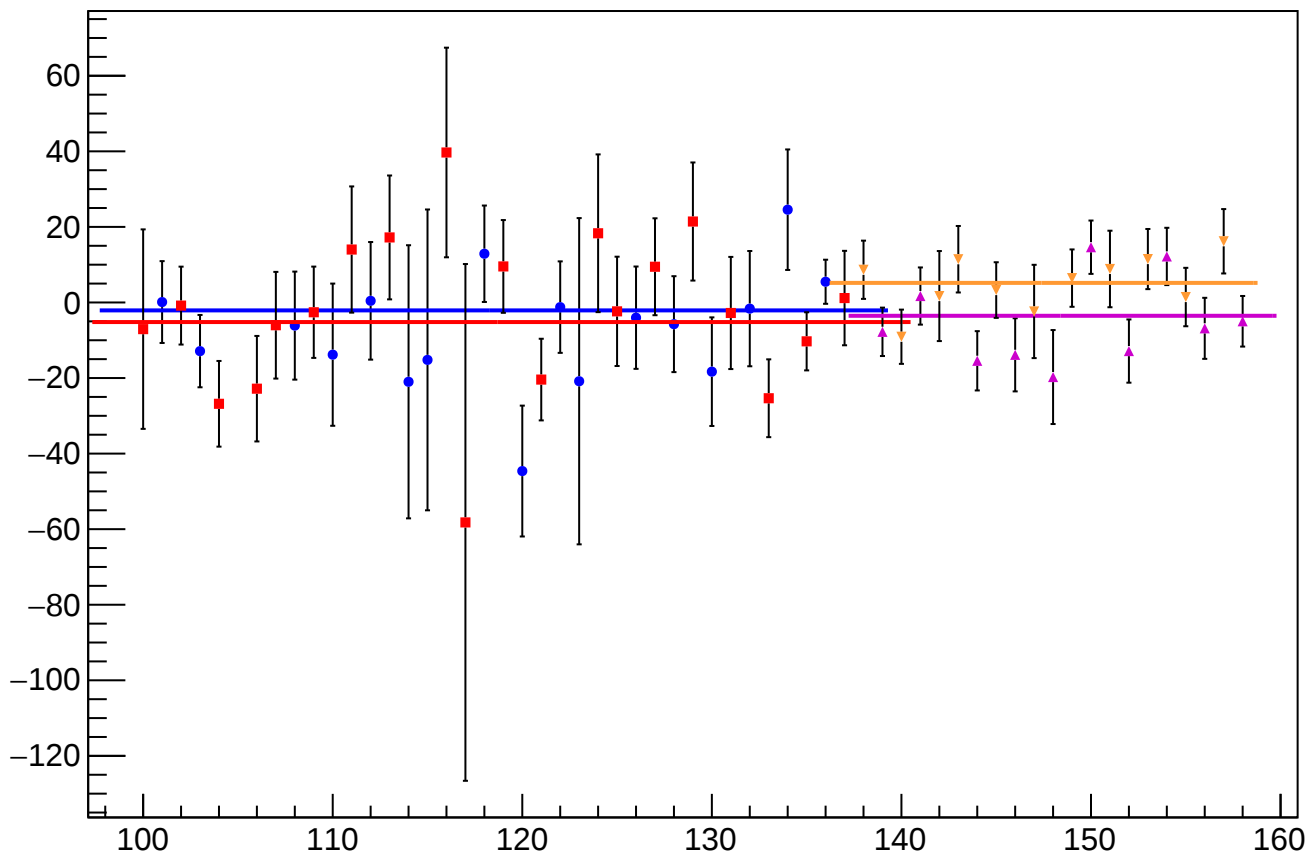
Left In: 9566.146 +/- 2.382 χ^2/NDF : 196640.2/9

10571.829 +/- 2.015 χ^2/NDF : 1813242.7/27

10741.306 +/- 1.433 χ^2/NDF : 3696331.5/5

10914.586 +/- 2.037 χ^2/NDF : 1868780.4/29

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -2.098 ± 3.106 χ^2/NDF : 15.6/16

Left Out: 5.183 ± 2.543 χ^2/NDF : 7.9/10

Right Out: -5.184 ± 2.959 χ^2/NDF : 25.4/19

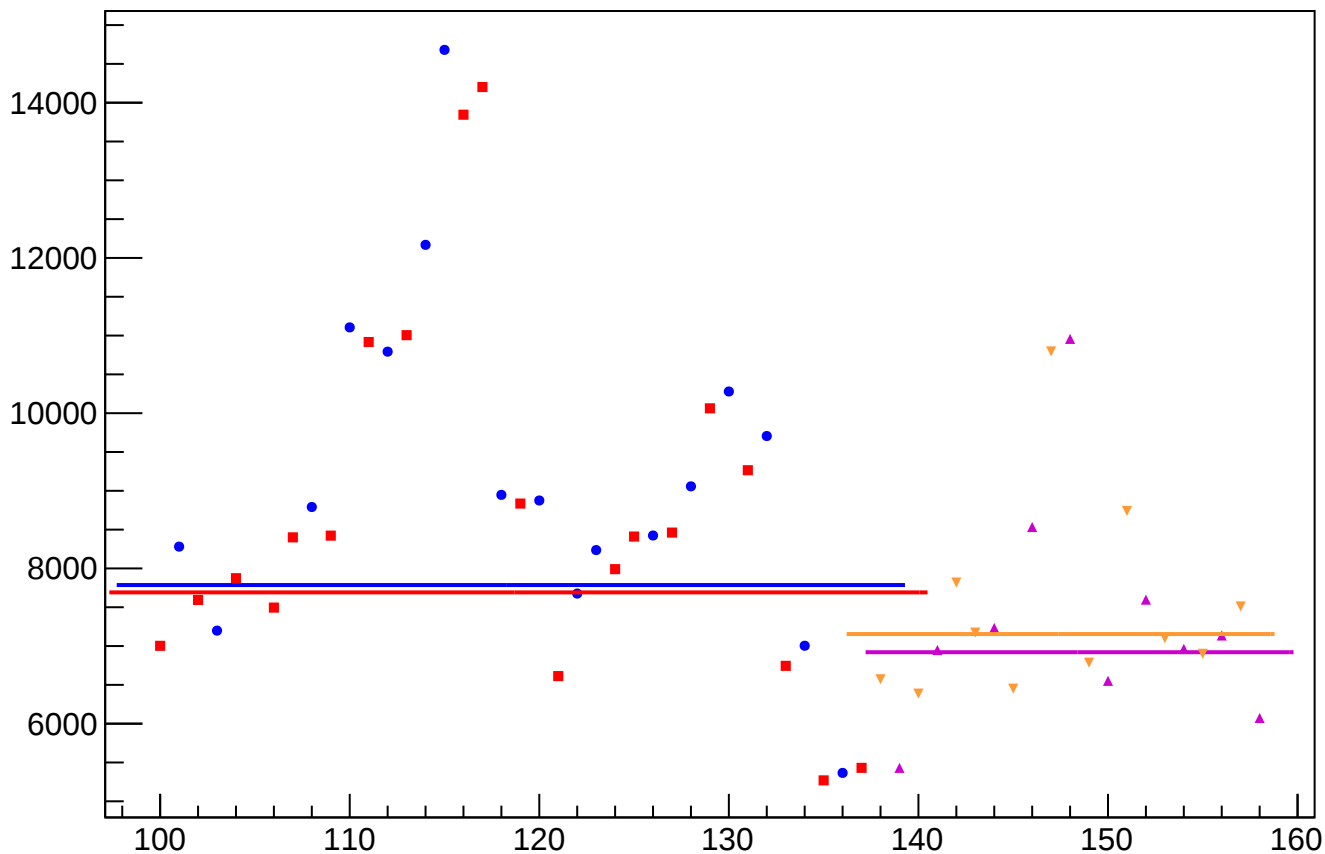
Left In: -3.525 ± 2.465 χ^2/NDF : 18.4/9

2.261 ± 1.968 χ^2/NDF : 26.8/27

-1.096 ± 1.365 χ^2/NDF : 76.4/57

-4.204 ± 1.894 χ^2/NDF : 44.0/29

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7785.931 $\pm$ 2.197 χ^2/NDF : 738101.9/16

Left Out: 7154.634 $\pm$ 1.798 χ^2/NDF : 292163.7/10

Right Out: 7691.398 $\pm$ 2.093 χ^2/NDF : 686898.9/19

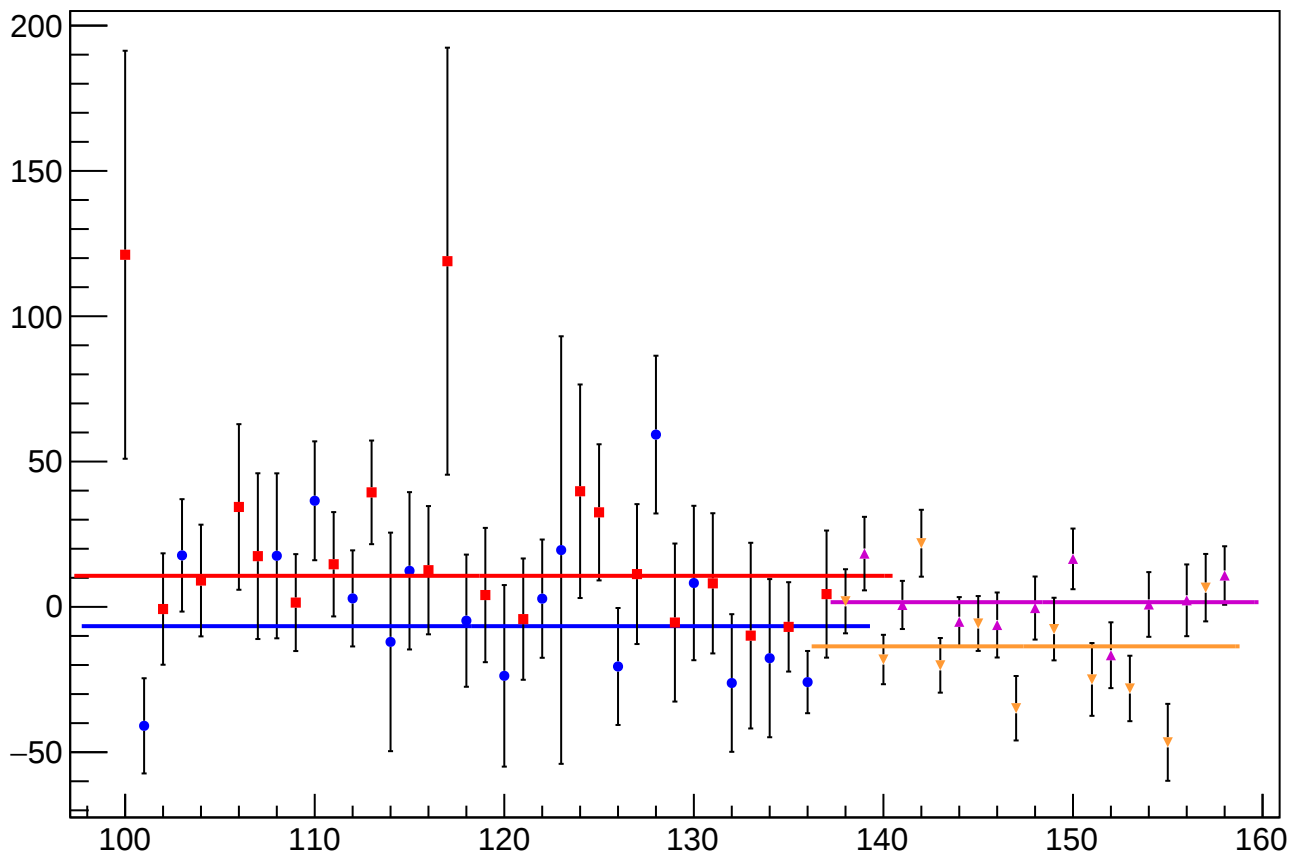
Left In: 6920.649 $\pm$ 1.743 χ^2/NDF : 429739.4/9

7407.983 $\pm$ 1.392 χ^2/NDF : 1079714.9/27

7318.858 $\pm$ 0.965 χ^2/NDF : 2284352.5/57

7236.311 $\pm$ 1.339 χ^2/NDF : 1196736.2/29

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -6.634 ± 5.101 χ^2/NDF : 23.4/16

Left Out: -13.580 ± 3.222 χ^2/NDF : 28.7/10

Right Out: 10.688 ± 5.063 χ^2/NDF : 13.0/19

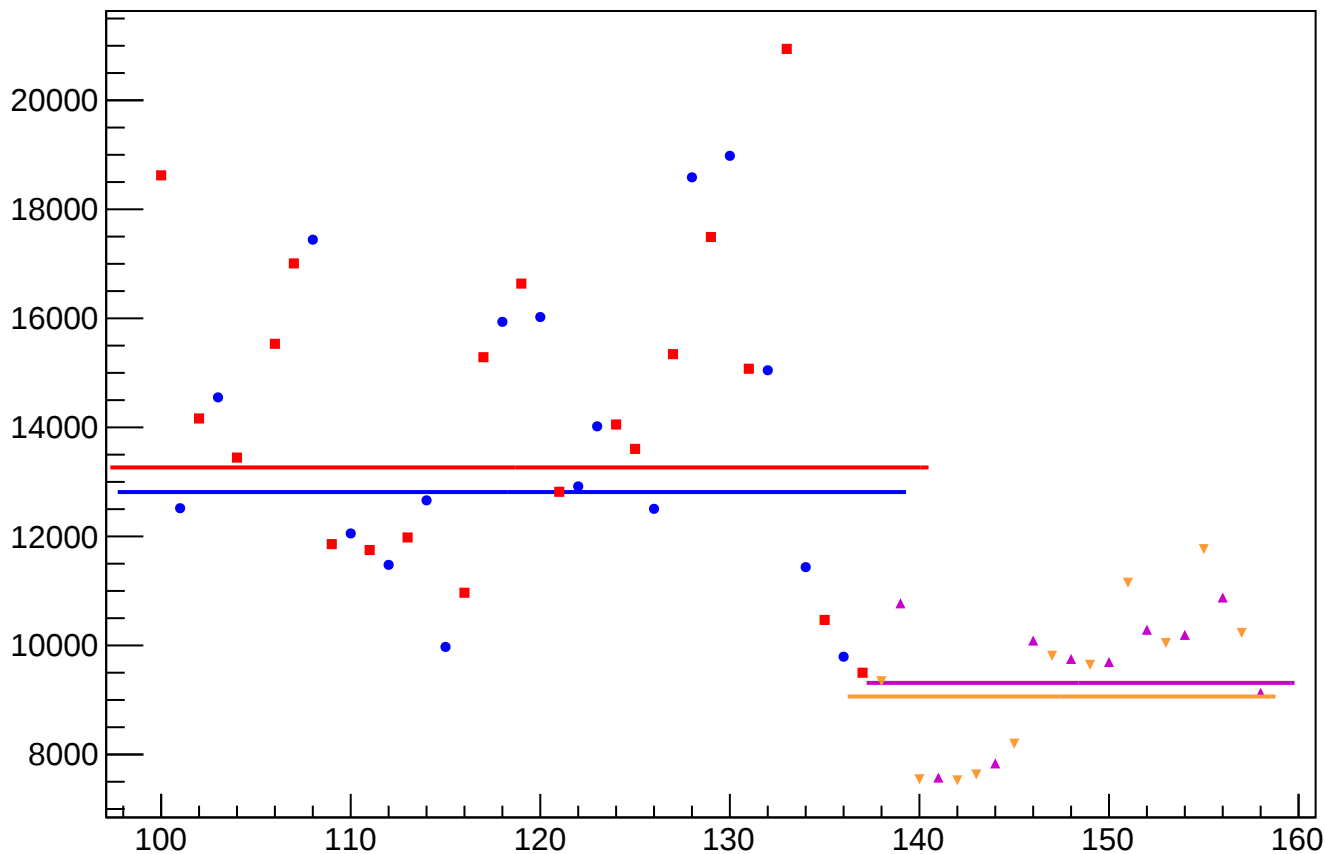
Left In: 1.618 ± 3.285 χ^2/NDF : 8.4/9

-11.599 ± 2.724 χ^2/NDF : 53.4/27

-3.738 ± 1.937 χ^2/NDF : 93.9/57

4.305 ± 2.756 χ^2/NDF : 23.6/29

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12813.726 $\pm$ 3.607 χ^2/NDF : 548127.6/16

Left Out: 9063.185 $\pm$ 2.279 χ^2/NDF :353060.1/10

Right Out: 13265.185 $\pm$ 3.580 χ^2/NDF : 485810.1/19

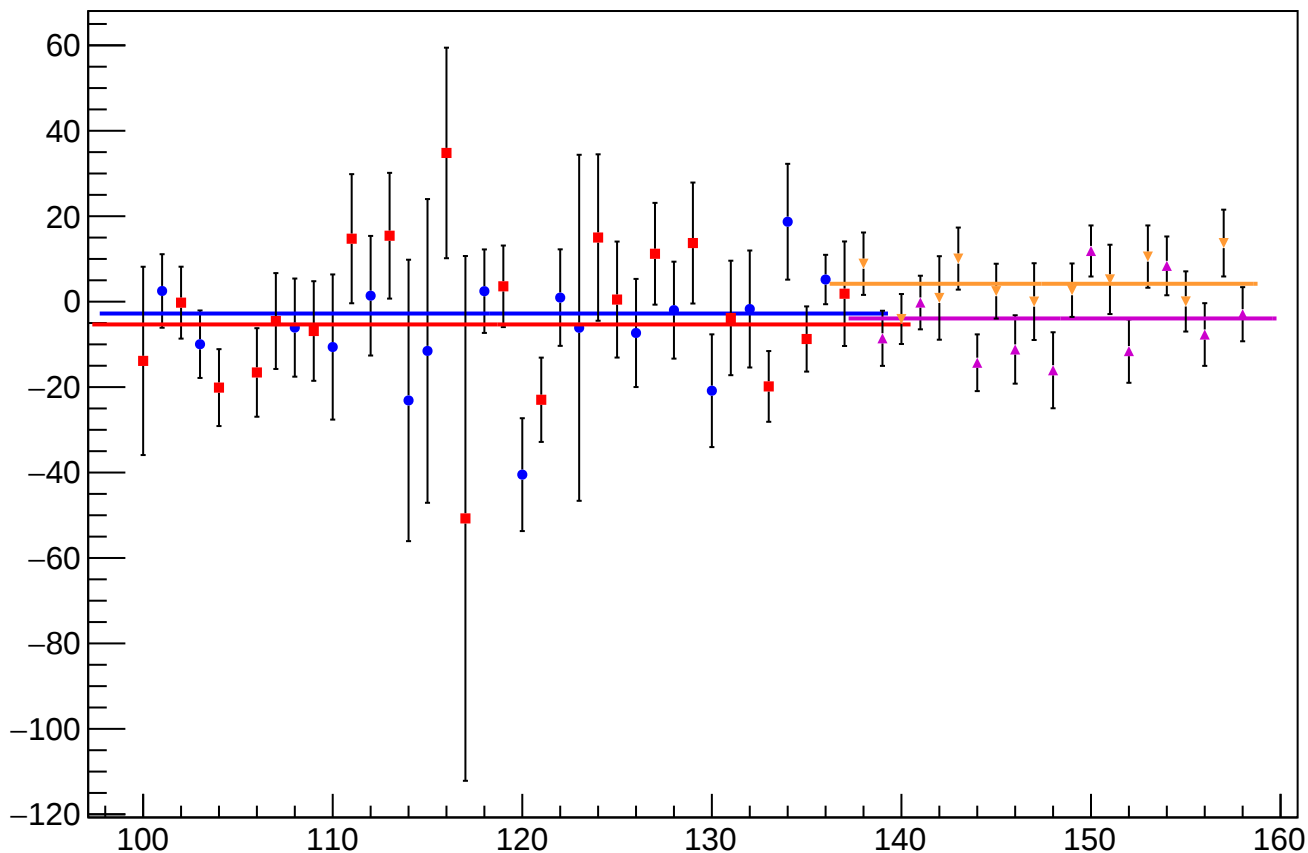
Left In: 9313.632 $\pm$ 2.323 χ^2/NDF :250812.9/9

10132.839 $\pm$ 1.926 χ^2/NDF : 1673931.4/27

10306.617 $\pm$ 1.370 χ^2/NDF : 3284437.9/5

10484.430 $\pm$ 1.949 χ^2/NDF : 1594042.0/29

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -2.778 $\pm$ 2.747 χ^2/NDF : 17.0/16

Left Out: 4.186 $\pm$ 2.182 χ^2/NDF : 6.1/10

Right Out: -5.332 $\pm$ 2.587 χ^2/NDF : 24.1/19

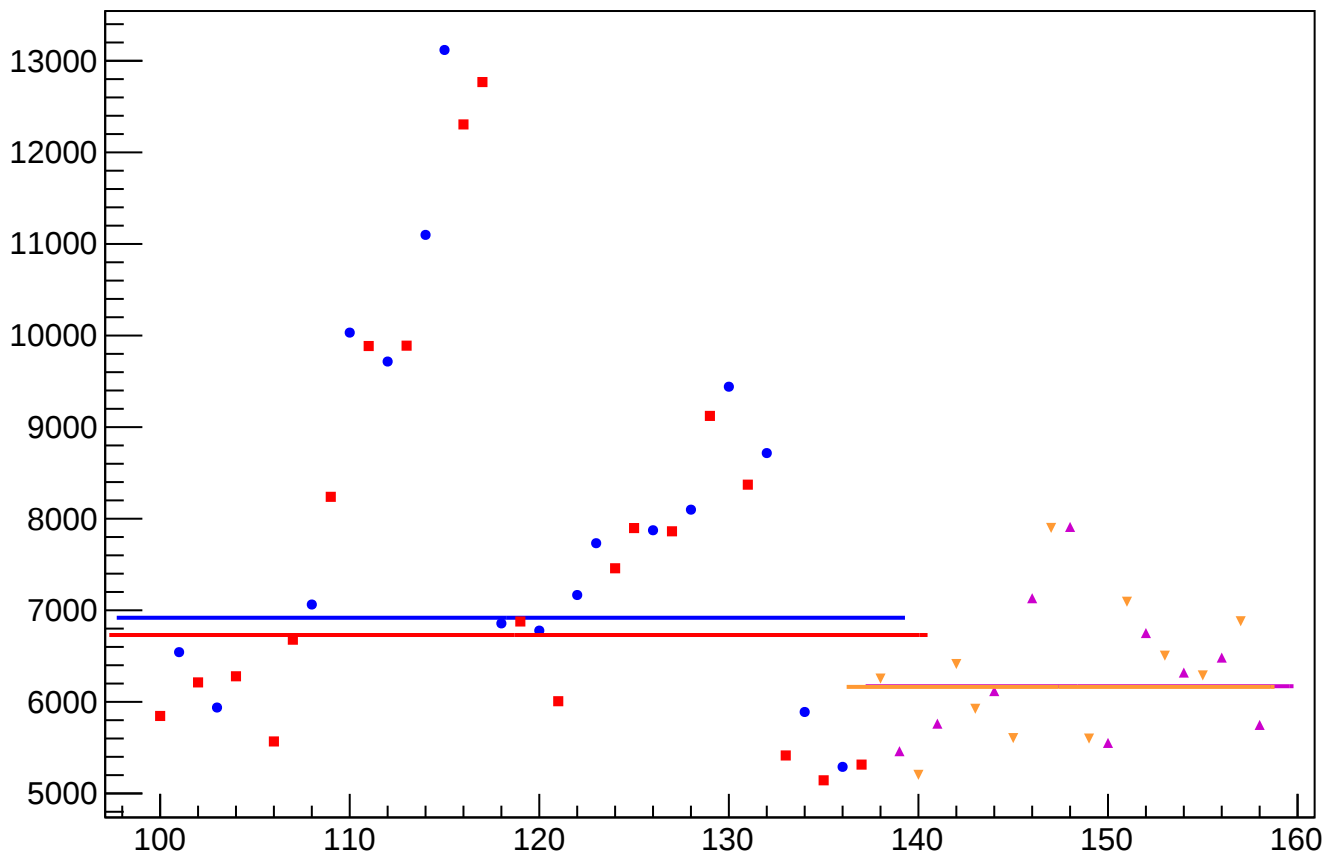
Left In: -3.933 $\pm$ 2.177 χ^2/NDF : 17.5/9

1.492 $\pm$ 1.708 χ^2/NDF : 27.1/27

-1.586 $\pm$ 1.193 χ^2/NDF : 75.2/57

-4.513 $\pm$ 1.666 χ^2/NDF : 41.8/29

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6918.554 ± 1.943 $\chi^2/\text{NDF}: 587976.6/16$

Left Out: 6163.639 ± 1.543 $\chi^2/\text{NDF}: 211841.1/10$

Right Out: 6730.137 ± 1.830 $\chi^2/\text{NDF}: 673193.1/19$

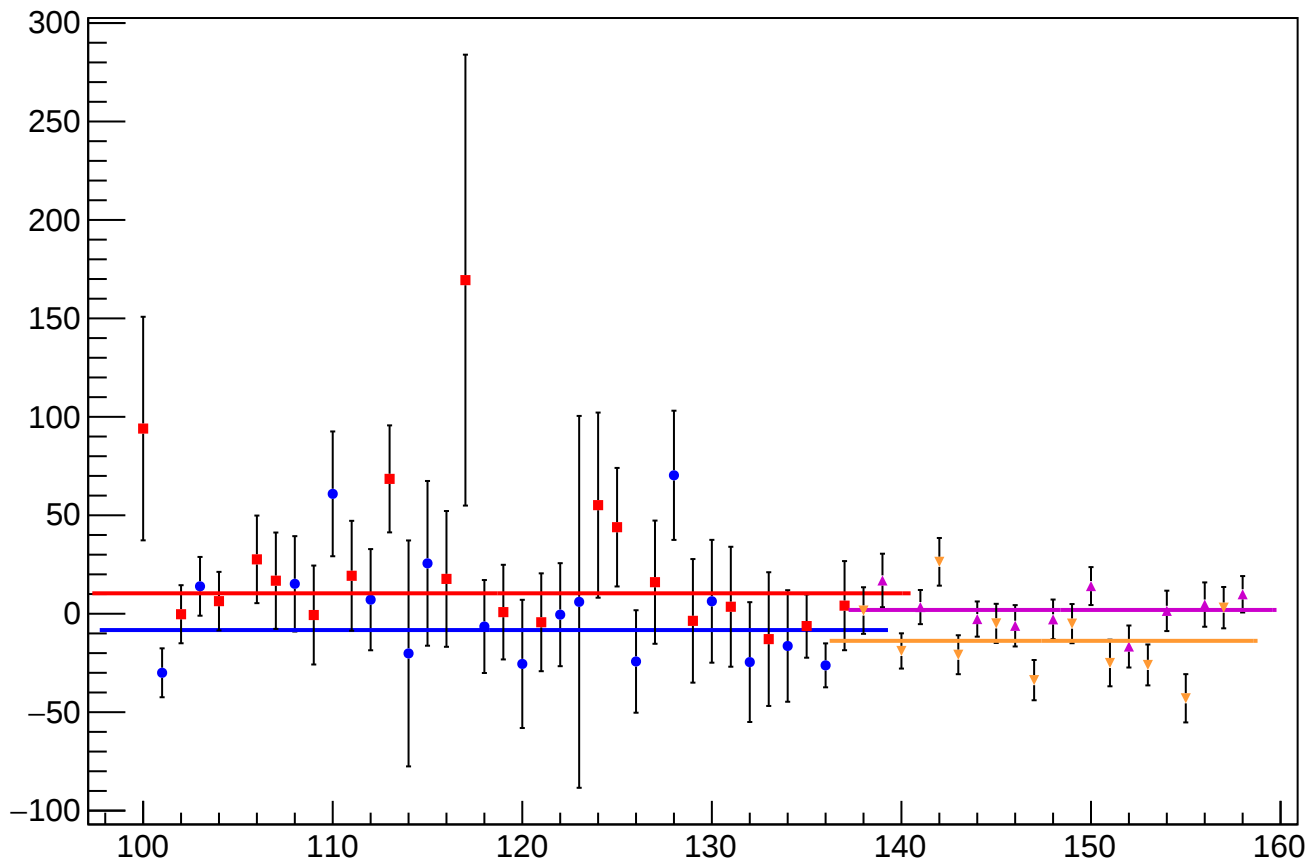
Left In: 6170.949 ± 1.539 $\chi^2/\text{NDF}: 185216.6/9$

6455.611 ± 1.208 $\chi^2/\text{NDF}: 892435.9/27$

6428.479 ± 0.843 $\chi^2/\text{NDF}: 1806534.4/57$

6402.690 ± 1.178 $\chi^2/\text{NDF}: 913114.6/29$

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.286 $\pm$ 5.410 χ^2/NDF : 21.7/16

Left Out: -13.762 $\pm$ 3.185 χ^2/NDF : 29.4/10

Right Out: 10.376 $\pm$ 5.507 χ^2/NDF : 14.8/19

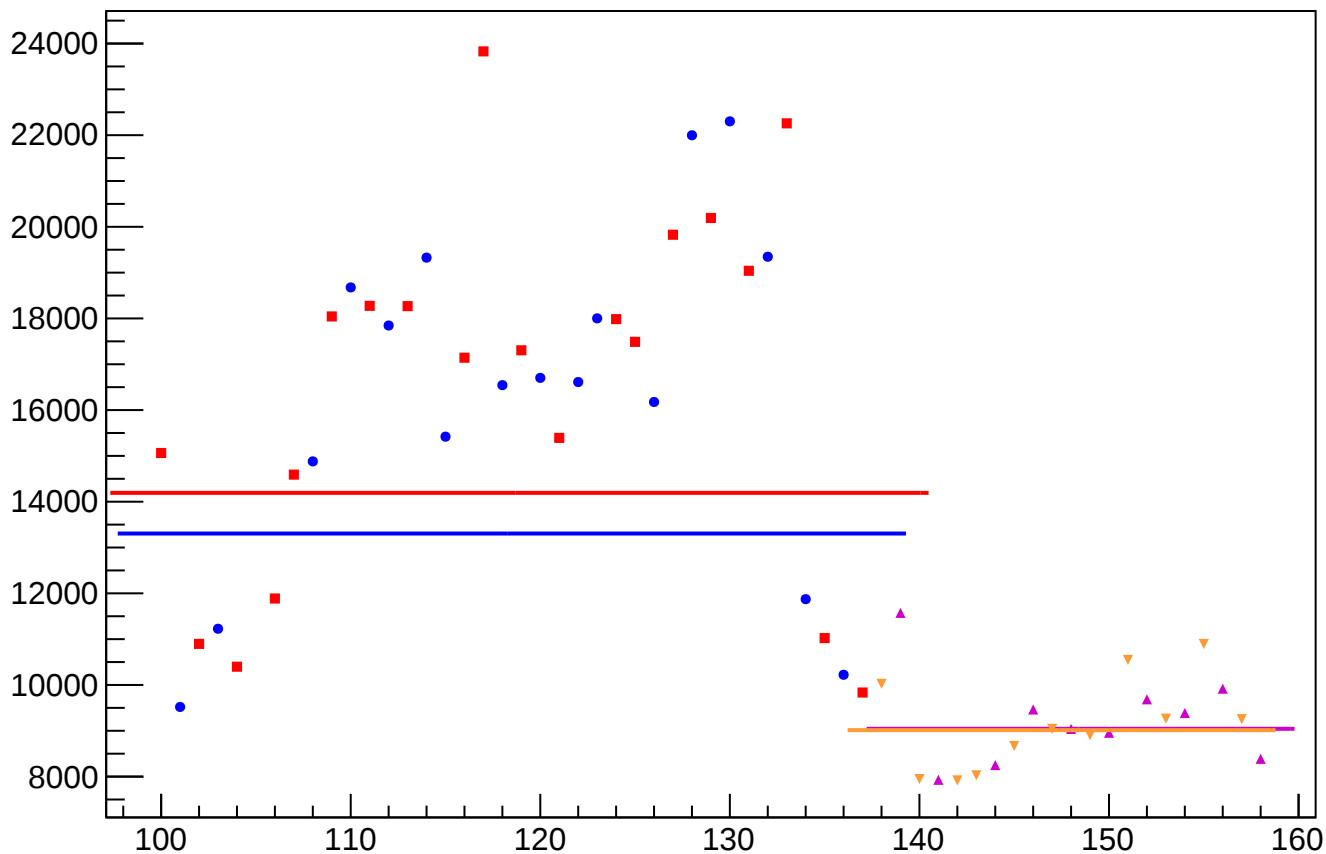
Left In: 1.926 $\pm$ 3.181 χ^2/NDF : 7.7/9

-12.353 $\pm$ 2.744 χ^2/NDF : 51.9/27

-4.186 $\pm$ 1.944 χ^2/NDF : 94.0/57

4.040 $\pm$ 2.754 χ^2/NDF : 24.3/29

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13305.410 $\pm$ 3.826 χ^2/NDF : 1044091.1/16

Left Out: 9013.636 $\pm$ 2.252 χ^2/NDF :164780.1/10

Right Out: 14193.006 $\pm$ 3.894 χ^2/NDF : 944809.1/19

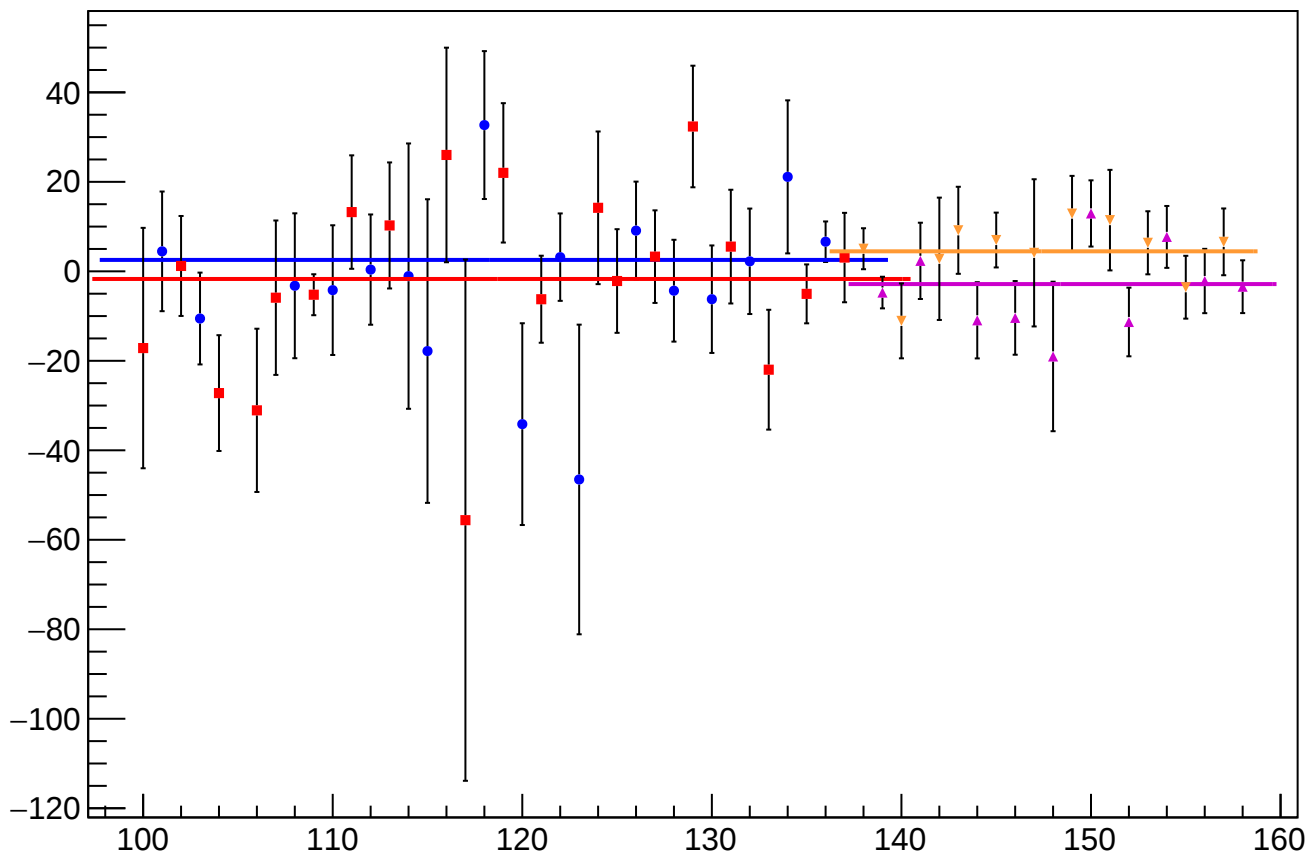
Left In: 9043.755 $\pm$ 2.249 χ^2/NDF :153047.8/9

10117.999 $\pm$ 1.941 χ^2/NDF : 2143605.9/27

10224.652 $\pm$ 1.375 χ^2/NDF : 4558759.0/5

10332.089 $\pm$ 1.948 χ^2/NDF : 2409089.8/29

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.551 ± 2.757 χ^2/NDF : 13.6/16

Left Out: 4.471 ± 2.303 χ^2/NDF : 6.7/10

Right Out: -1.708 ± 2.440 χ^2/NDF : 24.9/19

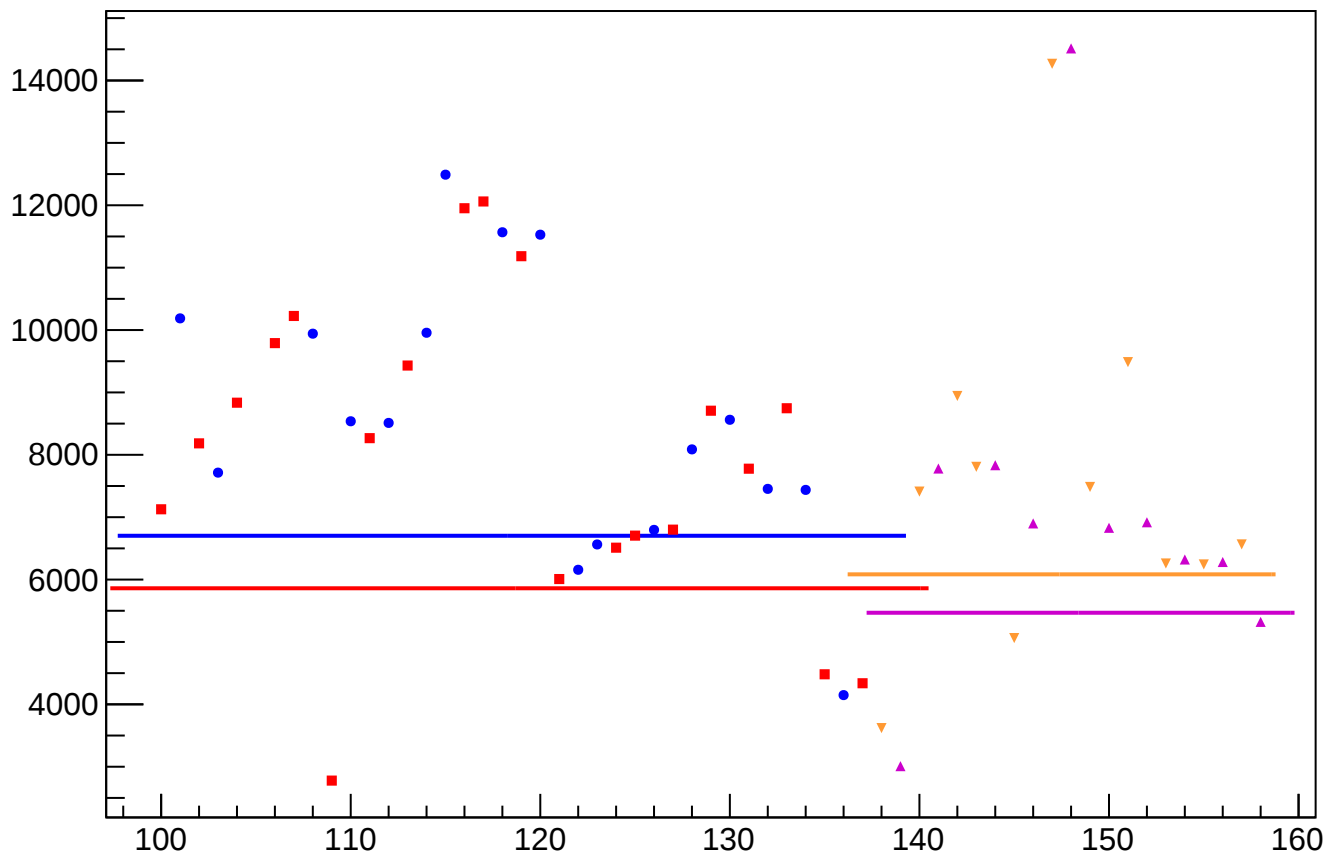
Left In: -2.849 ± 2.084 χ^2/NDF : 11.5/9

3.682 ± 1.767 χ^2/NDF : 20.6/27

0.329 ± 1.180 χ^2/NDF : 63.6/57

-2.368 ± 1.585 χ^2/NDF : 36.4/29

diff_bpm1Y_rms vs Slug, Sign Corrected



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

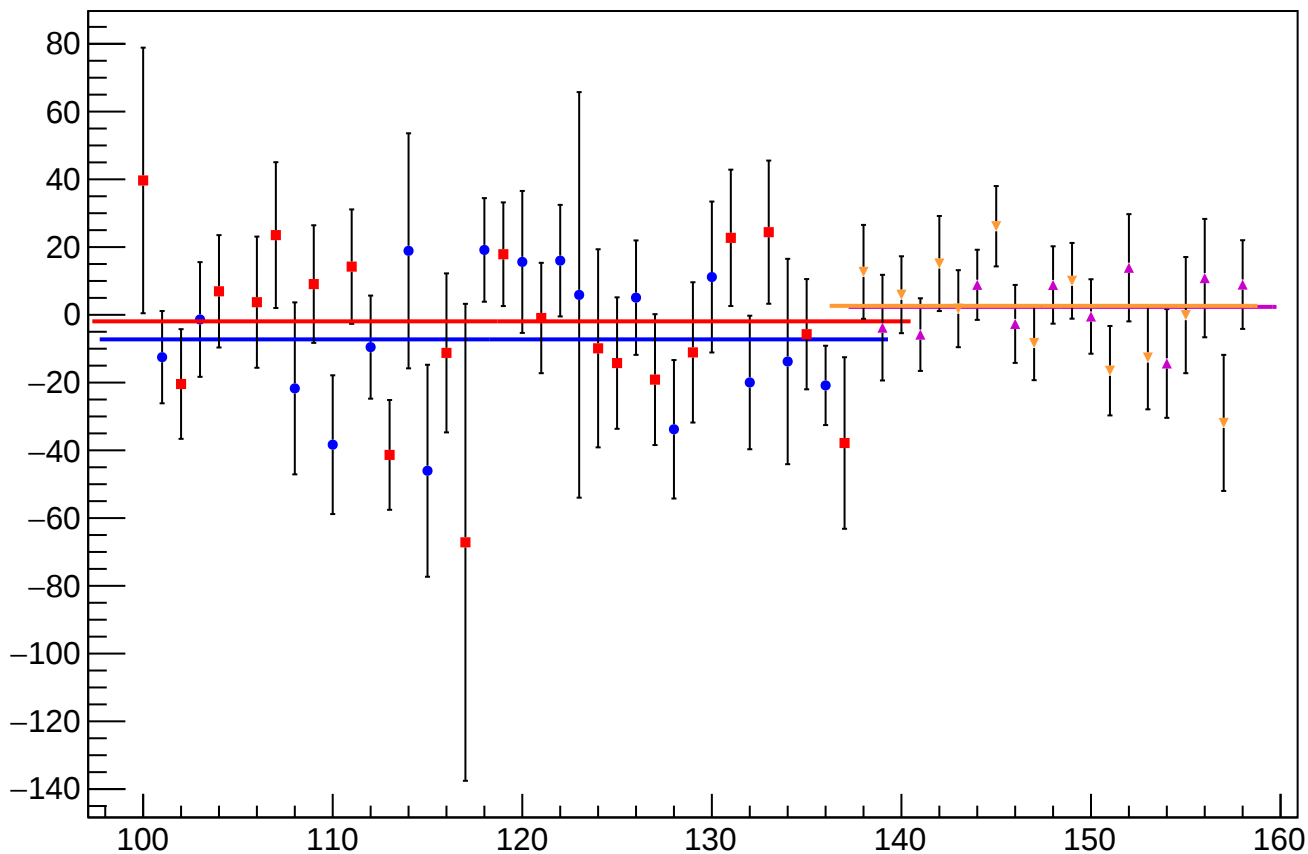
Left In: 5468.201+/-1.474 χ^2/NDF : 2112912.2/9

6338.067+/-1.250 χ^2/NDF : 3028753.7/27

5947.653+/-0.834 χ^2/NDF : 7648791.3/57

5633.696+/-1.121 χ^2/NDF : 4443961.9/29

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -7.245 $\pm$ 4.547 χ^2/NDF : 15.9/16

Left Out: 2.650 $\pm$ 3.920 χ^2/NDF : 12.9/10

Right Out: -1.922 $\pm$ 4.365 χ^2/NDF : 20.7/19

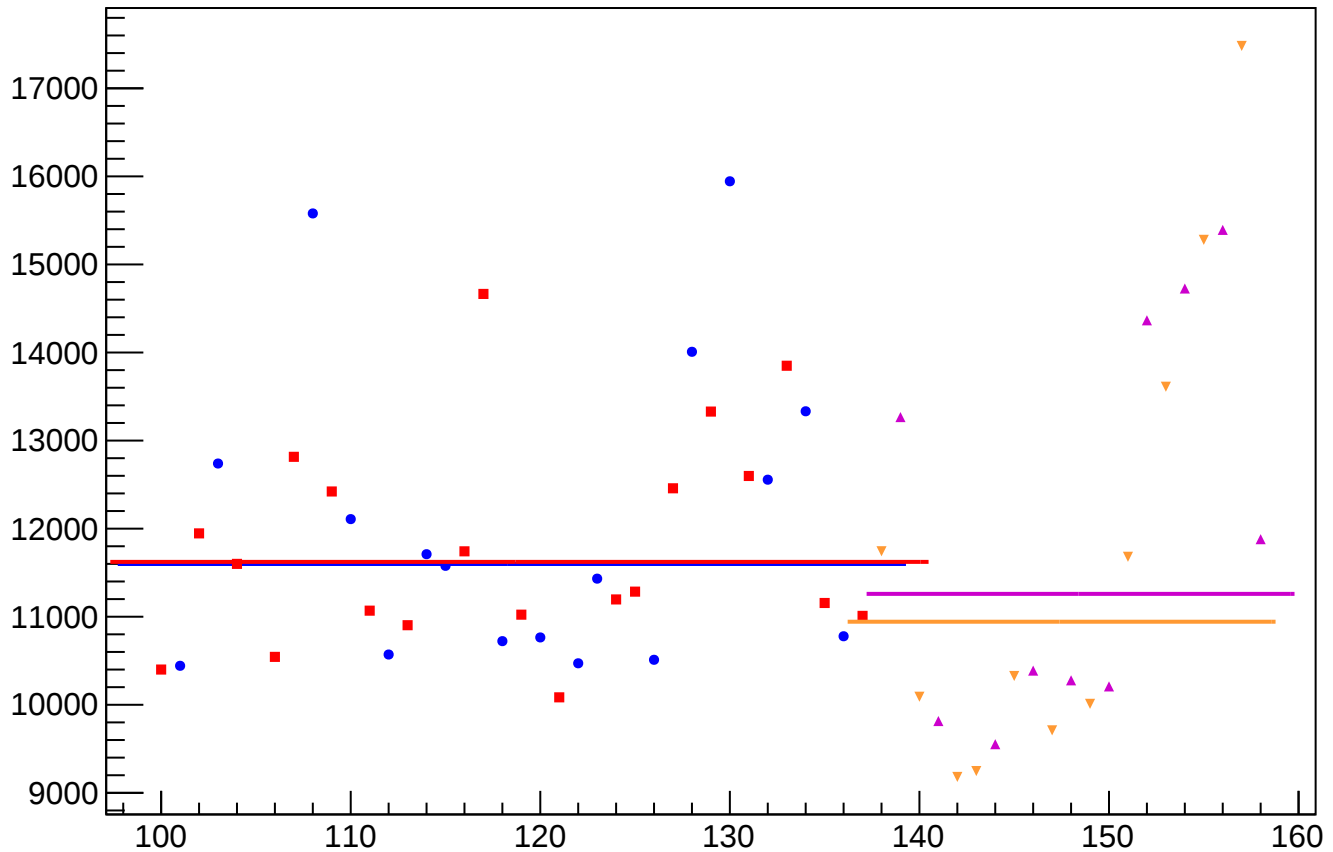
Left In: 2.347 $\pm$ 3.996 χ^2/NDF : 3.8/9

-1.569 $\pm$ 2.969 χ^2/NDF : 31.5/27

-0.577 $\pm$ 2.092 χ^2/NDF : 56.8/57

0.400 $\pm$ 2.947 χ^2/NDF : 25.1/29

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11598.751 $\pm$ 3.215 χ^2/NDF : 235423.8/16

Left Out: 10943.188 $\pm$ 2.772 χ^2/NDF : 545415.5/10

Right Out: 11622.681 $\pm$ 3.086 χ^2/NDF : 98197.0/19

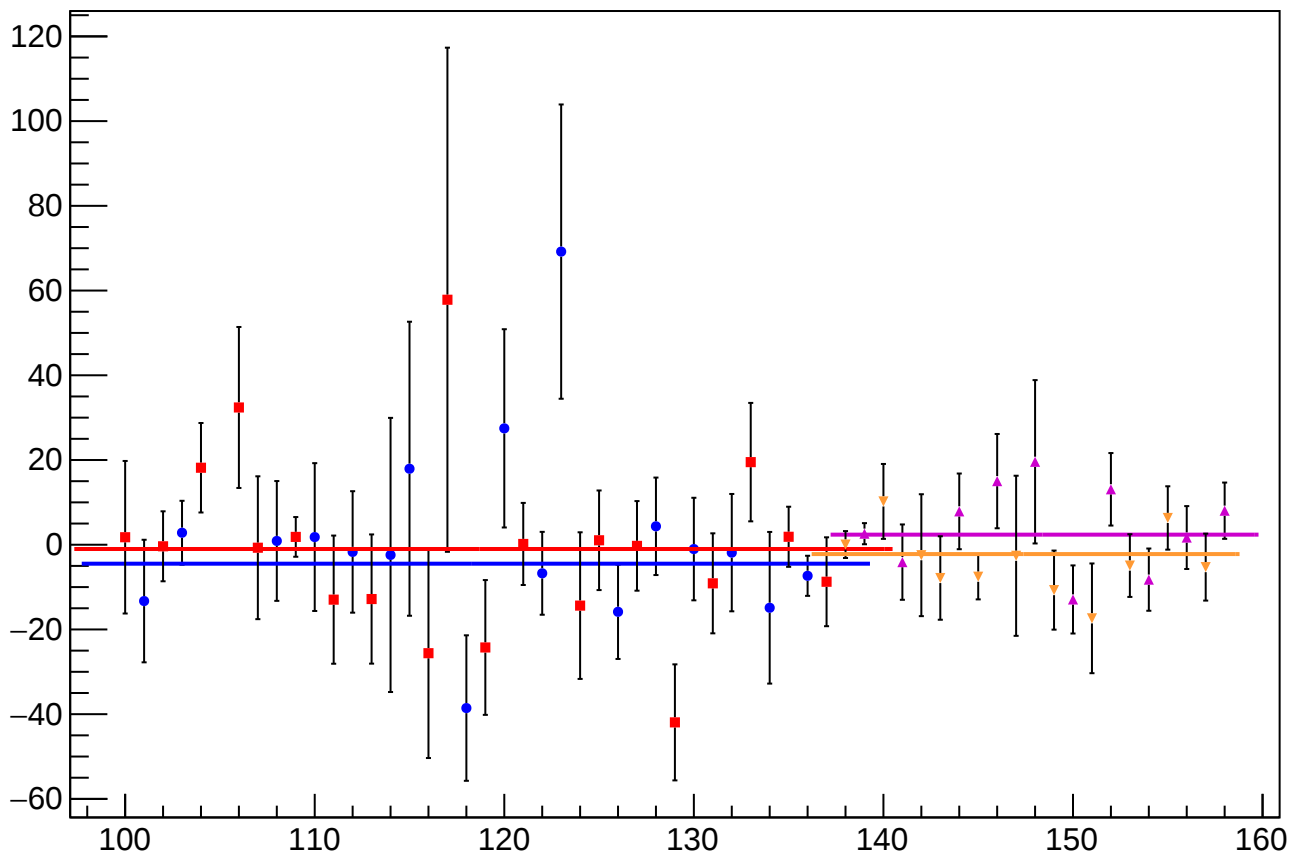
Left In: 11259.394 $\pm$ 2.826 χ^2/NDF : 455142.1/9

11222.702 $\pm$ 2.099 χ^2/NDF : 804687.4/27

11324.621 $\pm$ 1.479 χ^2/NDF : 1370243.2/5

11425.061 $\pm$ 2.084 χ^2/NDF : 560876.5/29

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -4.476 $\pm$ 2.782 χ^2/NDF : 14.8/16

Left Out: -2.206 $\pm$ 2.066 χ^2/NDF : 7.6/10

Right Out: -1.007 $\pm$ 2.427 χ^2/NDF : 25.0/19

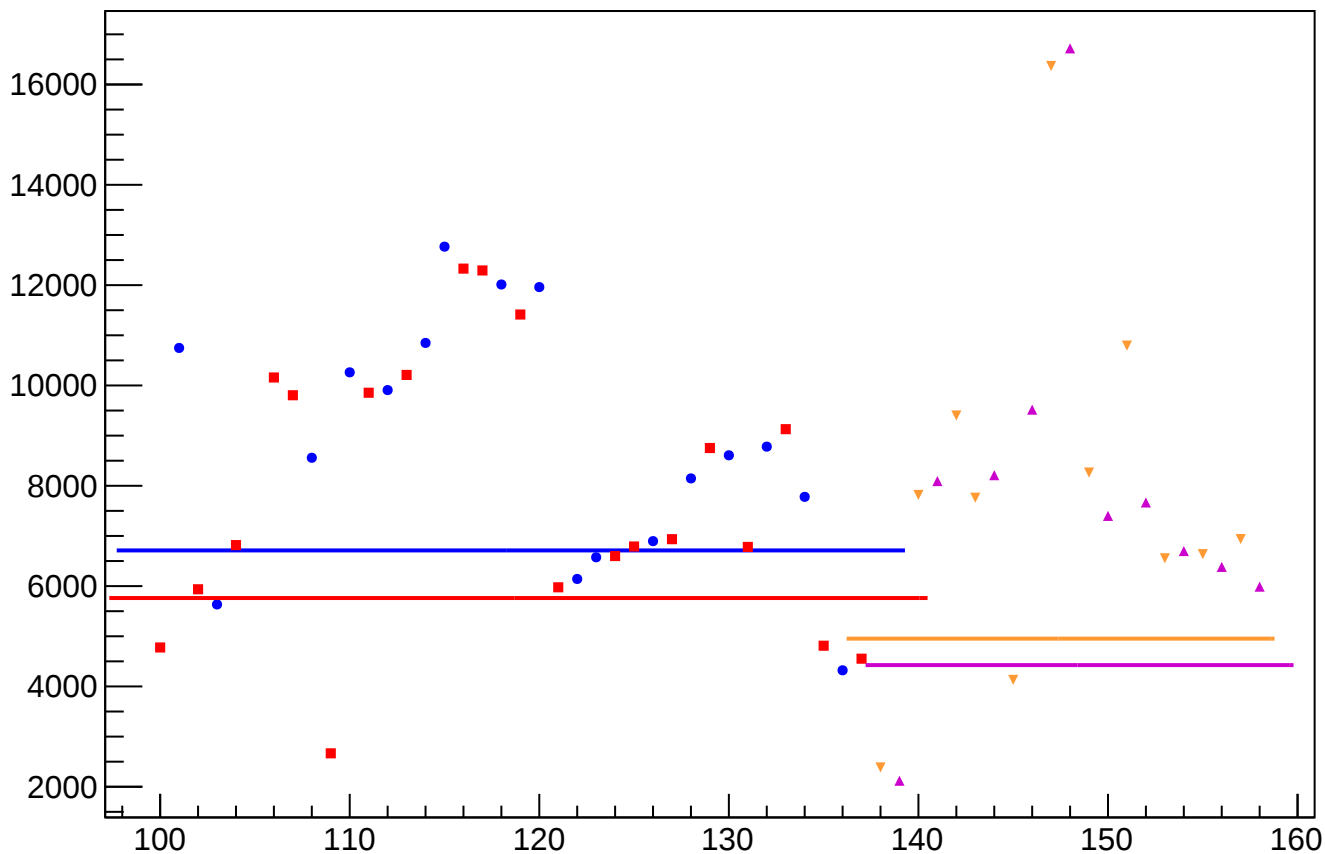
Left In: 2.379 $\pm$ 1.871 χ^2/NDF : 11.0/9

-3.013 $\pm$ 1.659 χ^2/NDF : 22.9/27

-0.716 $\pm$ 1.105 χ^2/NDF : 63.6/57

1.117 $\pm$ 1.482 χ^2/NDF : 37.3/29

diff_bpm11Y_rms vs Slug, Sign Corrected



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

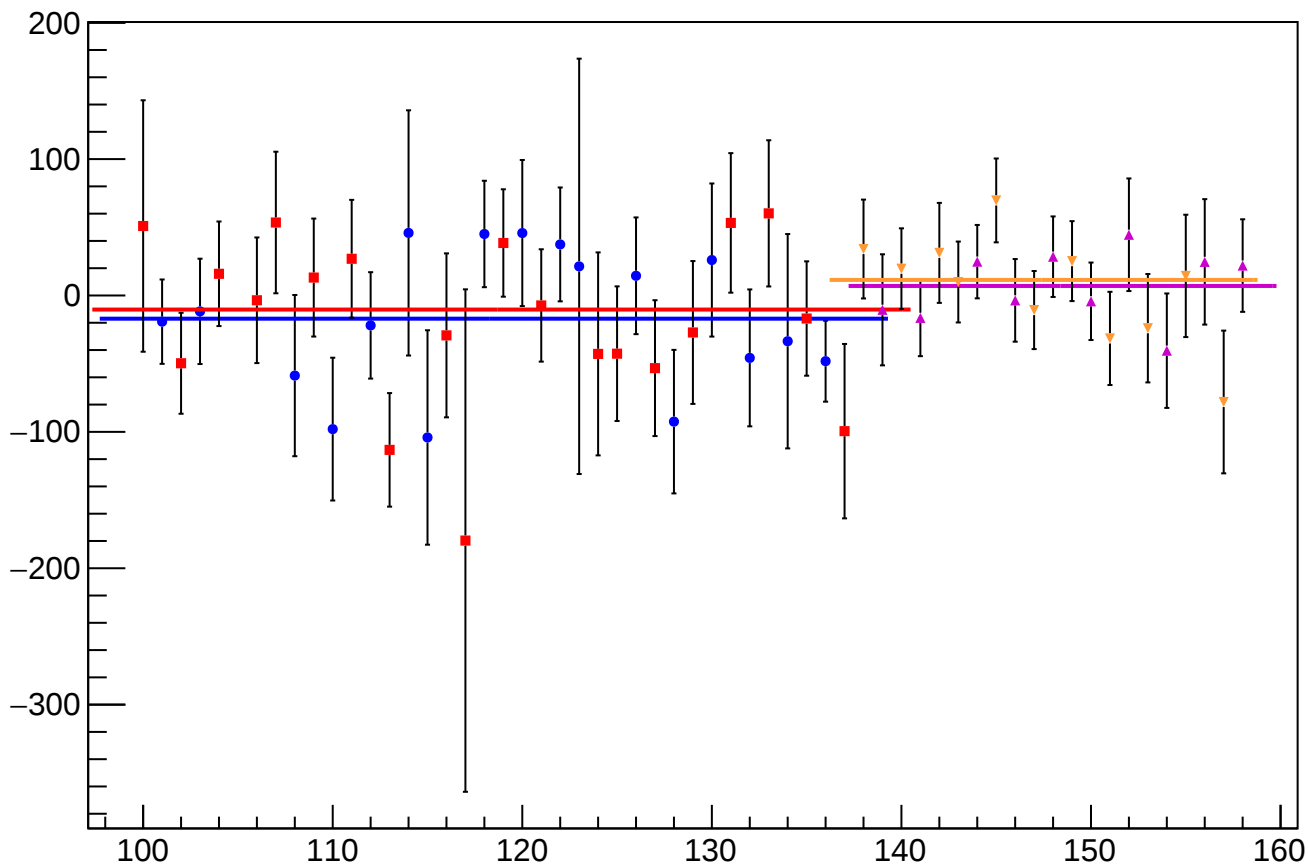
Left In: 4425.293+/-1.323 χ^2/NDF : 4646076.6/9

5578.199+/-1.173 χ^2/NDF : 5589176.6/27

5214.316+/-0.781 χ^2/NDF : 12978304.8/5

4923.841+/-1.048 χ^2/NDF : 7216030.7/29

diff_bpm12X_mean vs Slug, Sign Corrected



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

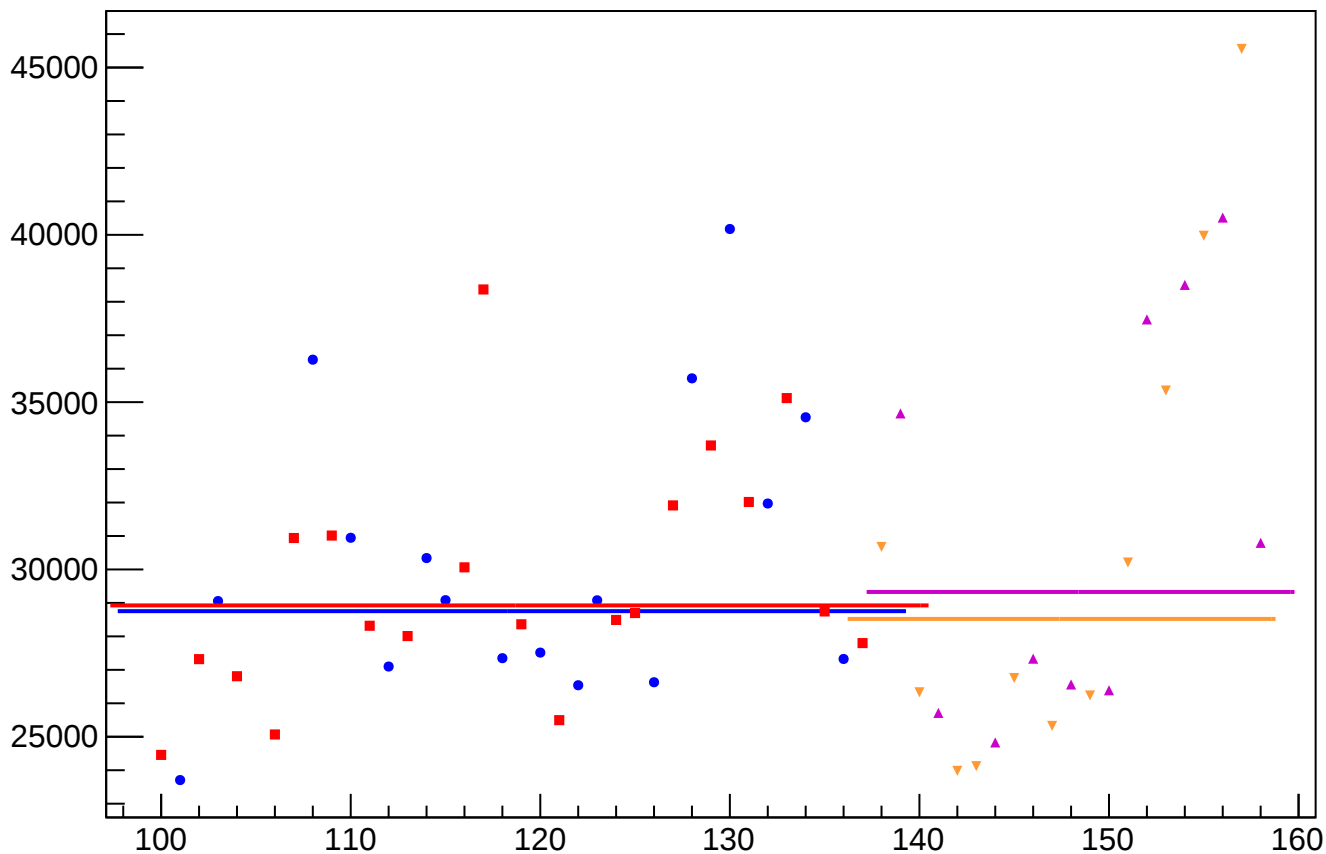
Left In: 6.986 ± 10.413 χ^2/NDF : 4.6/9

-1.391 ± 7.575 χ^2/NDF : 28.9/27

-1.340 ± 5.337 χ^2/NDF : 54.7/57

-1.290 ± 7.520 χ^2/NDF : 25.8/29

diff_bpm12X_rms vs Slug, Sign Corrected



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

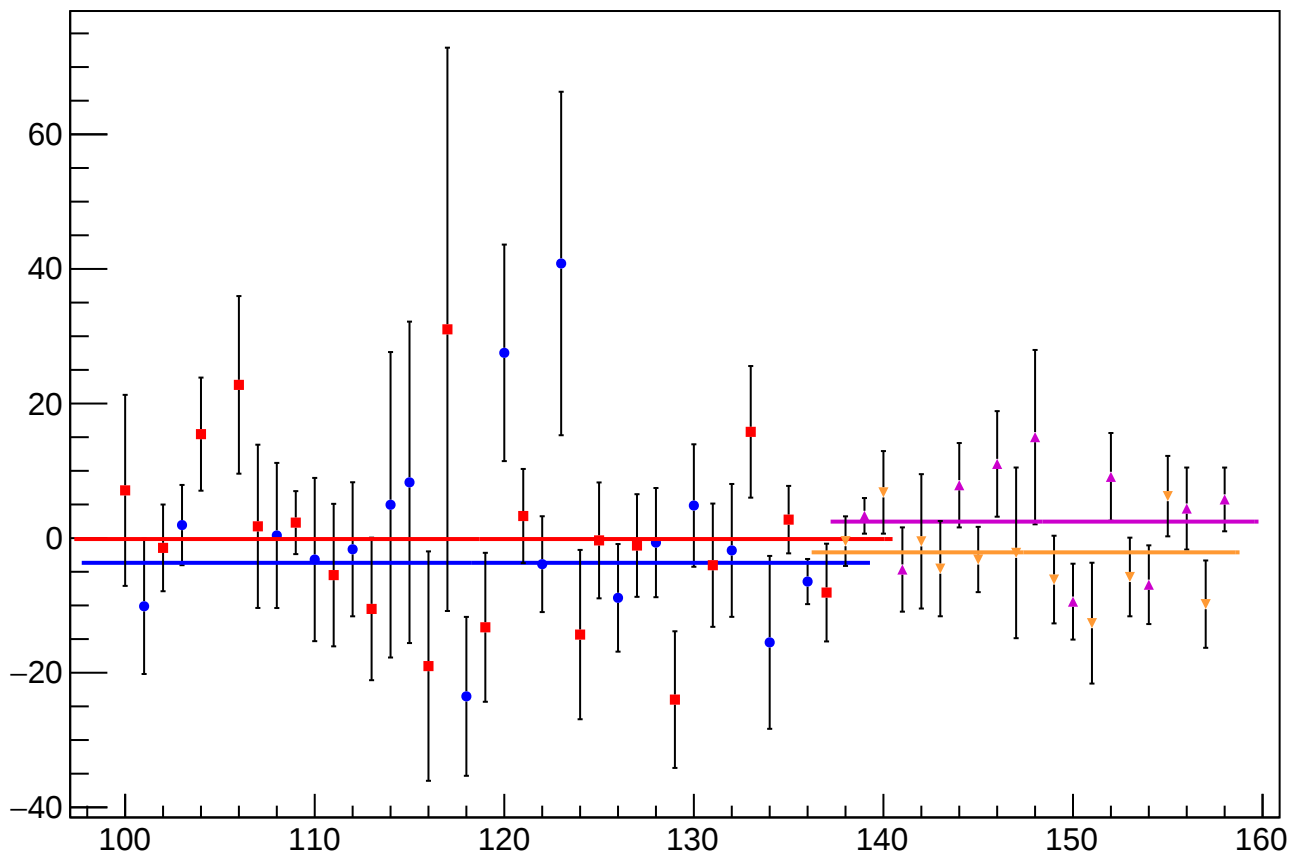
Left In: 29327.525+/-7.363 χ^2/NDF : 466510.6/9

28626.507+/-5.357 χ^2/NDF : 792286.7/27

28882.625+/-3.774 χ^2/NDF : 1381279.8/5

29135.012+/-5.317 χ^2/NDF : 584454.2/29

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -3.668 ± 2.010 χ^2/NDF : 14.5/16

Left Out: -2.112 ± 1.838 χ^2/NDF : 8.0/10

Right Out: -0.135 ± 1.891 χ^2/NDF : 22.9/19

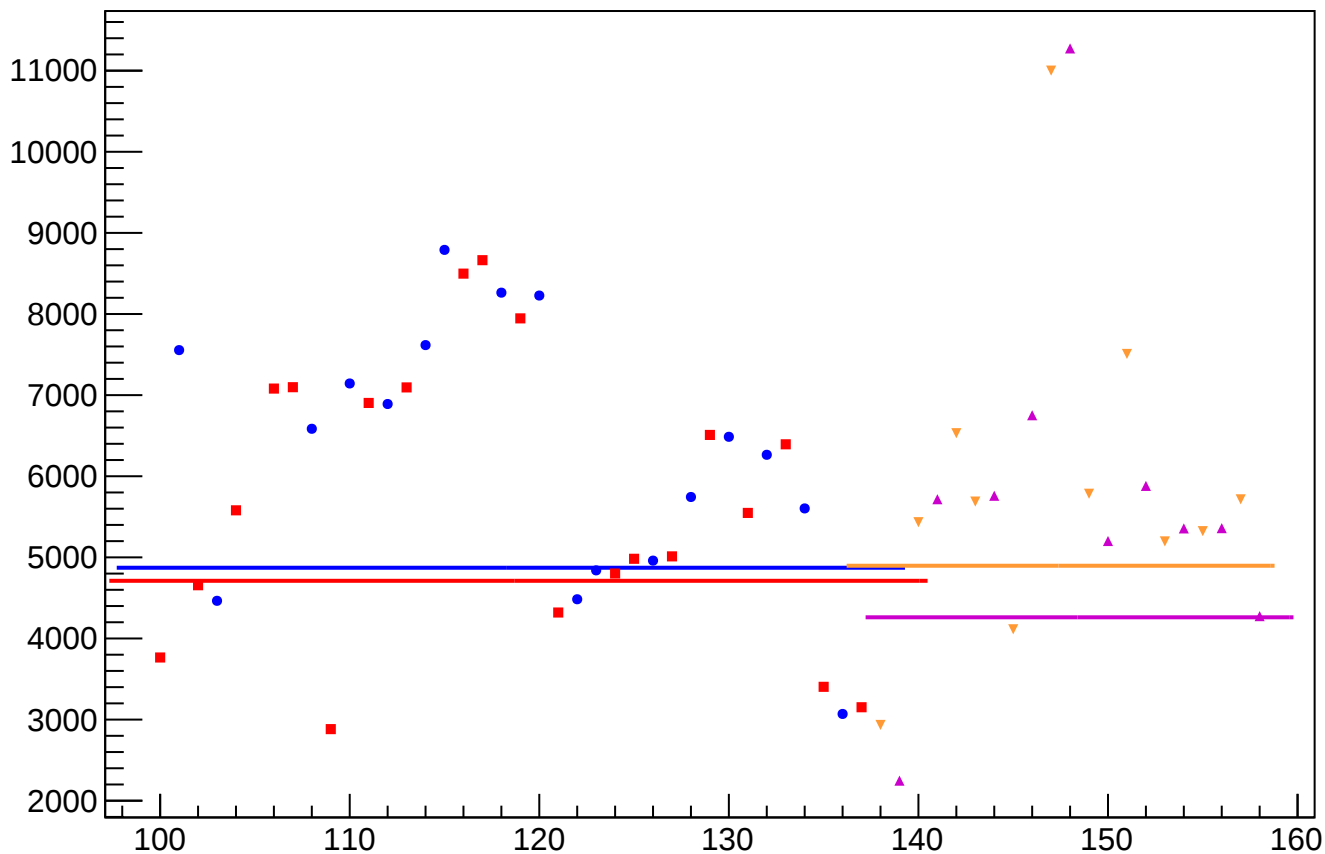
Left In: 2.455 ± 1.640 χ^2/NDF : 12.9/9

-2.821 ± 1.356 χ^2/NDF : 22.9/27

-0.551 ± 0.915 χ^2/NDF : 64.8/57

1.342 ± 1.239 χ^2/NDF : 36.9/29

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4872.105+/-1.421 χ^2/NDF : 1405253.2/16

Left Out: 4896.747+/-1.300 χ^2/NDF : 1430575.5/10

Right Out: 4711.077+/-1.337 χ^2/NDF : 1330595.4/19

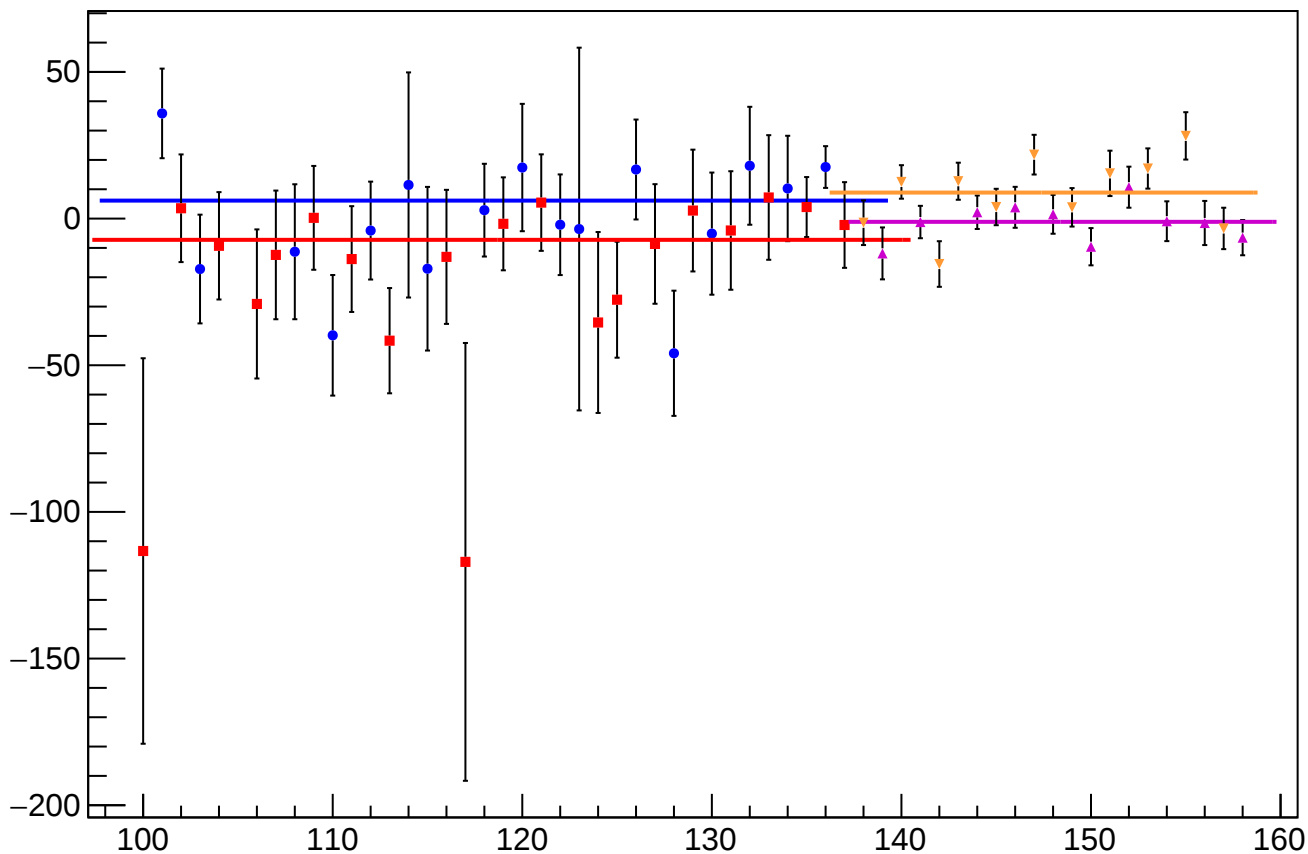
Left In: 4261.077+/-1.160 χ^2/NDF : 2483089.5/9

4885.522+/-0.959 χ^2/NDF : 2835992.4/27

4650.437+/-0.647 χ^2/NDF : 6824519.5/57

4454.301+/-0.876 χ^2/NDF : 3878329.5/29

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 6.133 $\pm$ 4.080 χ^2/NDF : 22.2/16

Left Out: 8.871 $\pm$ 2.068 χ^2/NDF : 28.2/10

Right Out: -7.243 $\pm$ 4.218 χ^2/NDF : 14.6/19

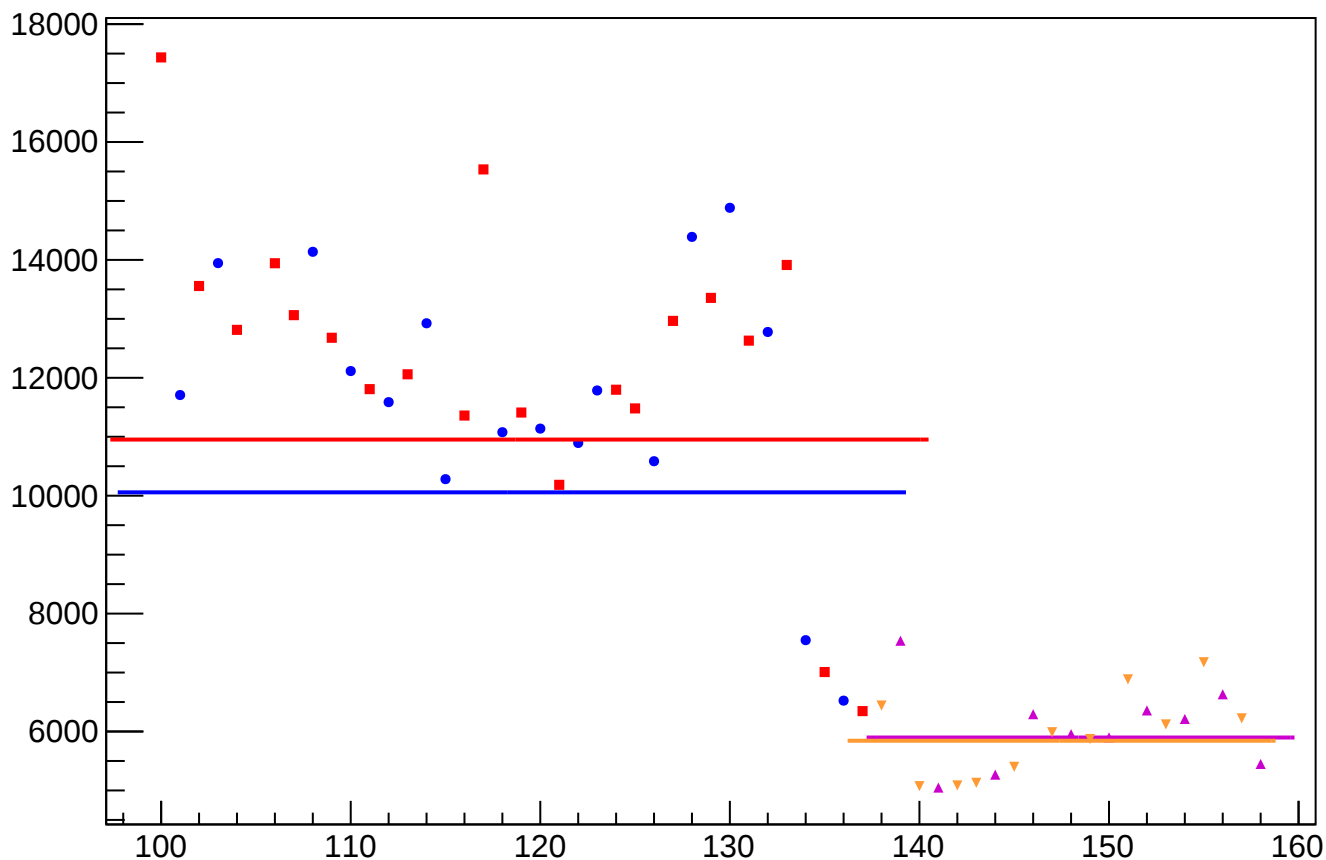
Left In: -1.108 $\pm$ 2.077 χ^2/NDF : 7.9/9

8.312 $\pm$ 1.845 χ^2/NDF : 50.7/27

3.056 $\pm$ 1.311 χ^2/NDF : 91.4/57

-2.305 $\pm$ 1.863 χ^2/NDF : 24.2/29

diff_bpm16X_rms vs Slug, Sign Corrected



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

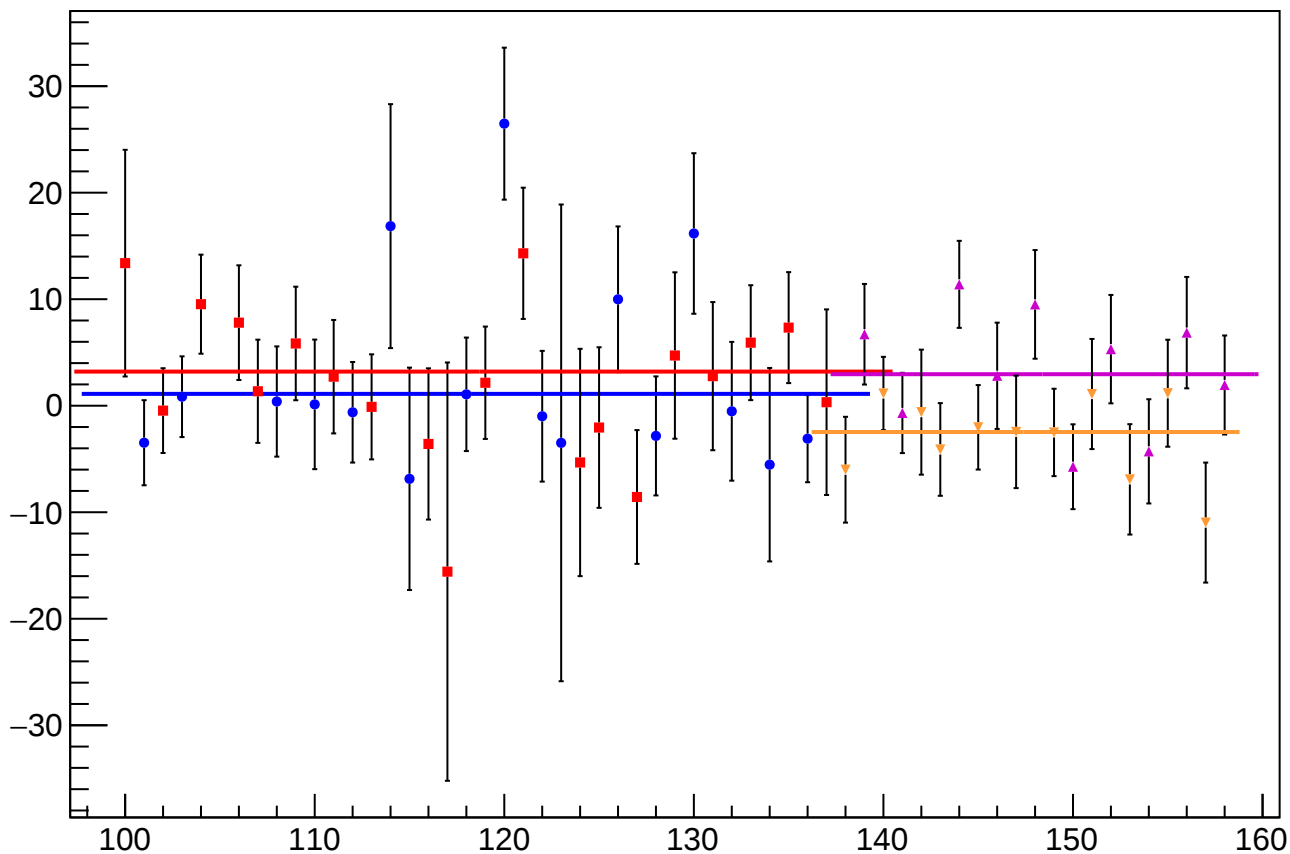
Left In: 5897.800 $\pm$ 1.468 χ^2 /NDF: 190074.9/9

6704.472 $\pm$ 1.304 χ^2 /NDF: 2903945.3/27

6793.352 $\pm$ 0.927 χ^2 /NDF: 6185770.2/57

6884.027 $\pm$ 1.317 χ^2 /NDF: 3272443.4/29

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.112 $\pm$ 1.403 χ^2/NDF : 24.6/16

Left Out: -2.469 $\pm$ 1.398 χ^2/NDF : 5.9/10

Right Out: 3.204 $\pm$ 1.331 χ^2/NDF : 16.0/19

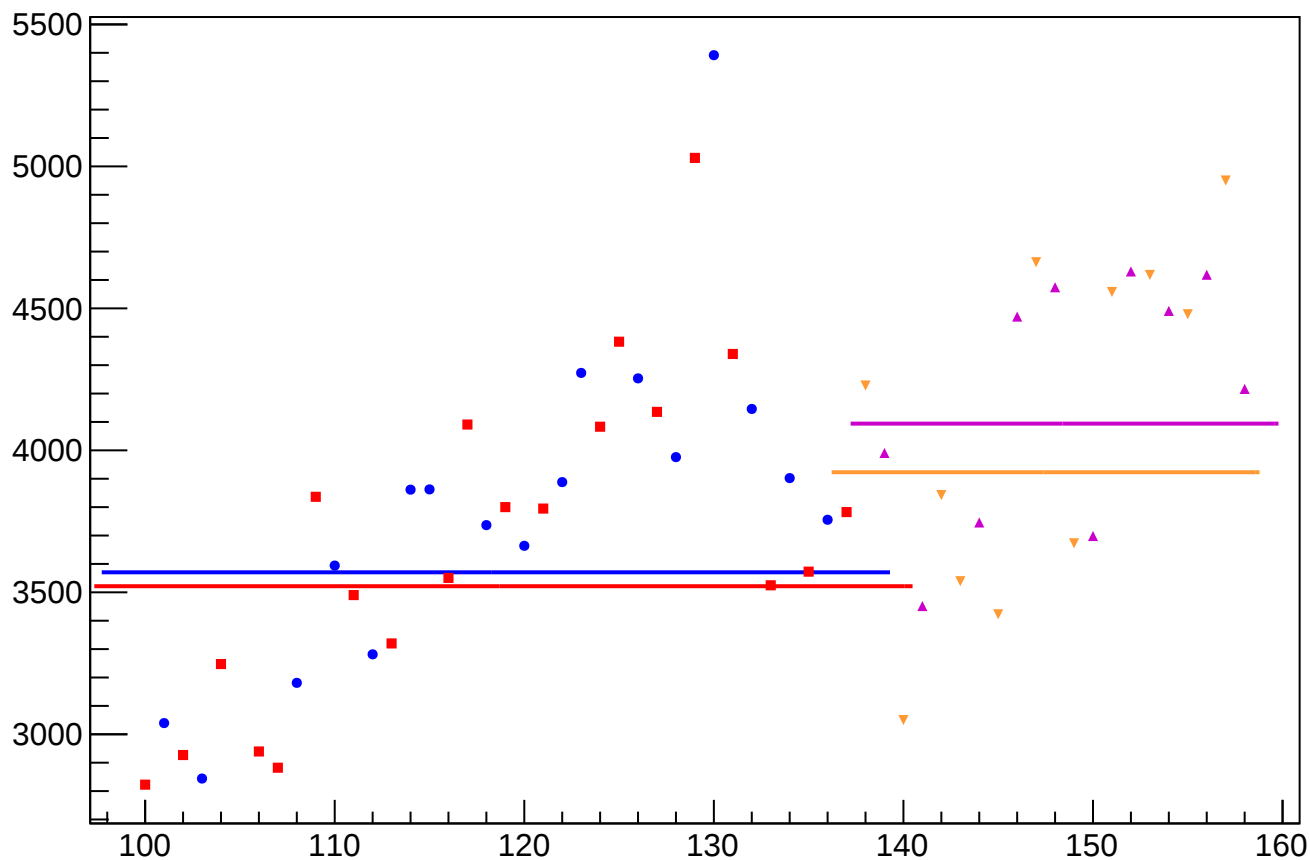
Left In: 2.958 $\pm$ 1.443 χ^2/NDF : 15.2/9

-0.685 $\pm$ 0.990 χ^2/NDF : 33.8/27

1.226 $\pm$ 0.696 χ^2/NDF : 72.4/57

3.091 $\pm$ 0.978 χ^2/NDF : 31.2/29

diff_bpm16Y_rms vs Slug, Sign Corrected



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

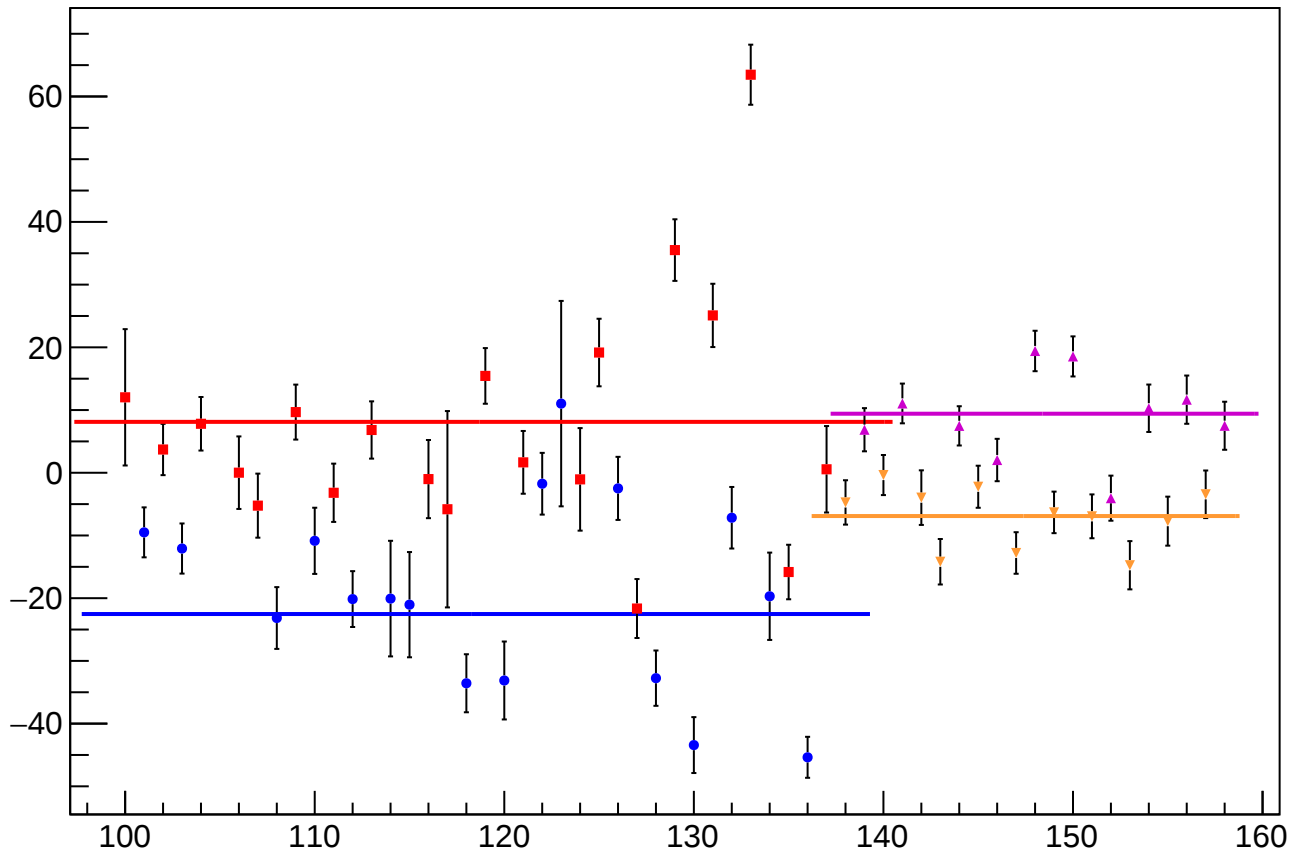
Left In: 4094.112+/-1.020 χ^2/NDF : 179390.8/9

3747.262+/-0.700 χ^2/NDF : 760905.9/27

3766.167+/-0.492 χ^2/NDF : 1407013.4/57

3784.613+/-0.692 χ^2/NDF : 644667.4/29

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.526 ± 1.201 $\chi^2/\text{NDF}: 155.5/16$

Left Out: -6.902 ± 1.077 $\chi^2/\text{NDF}: 19.2/10$

Right Out: 8.116 ± 1.154 $\chi^2/\text{NDF}: 276.6/19$

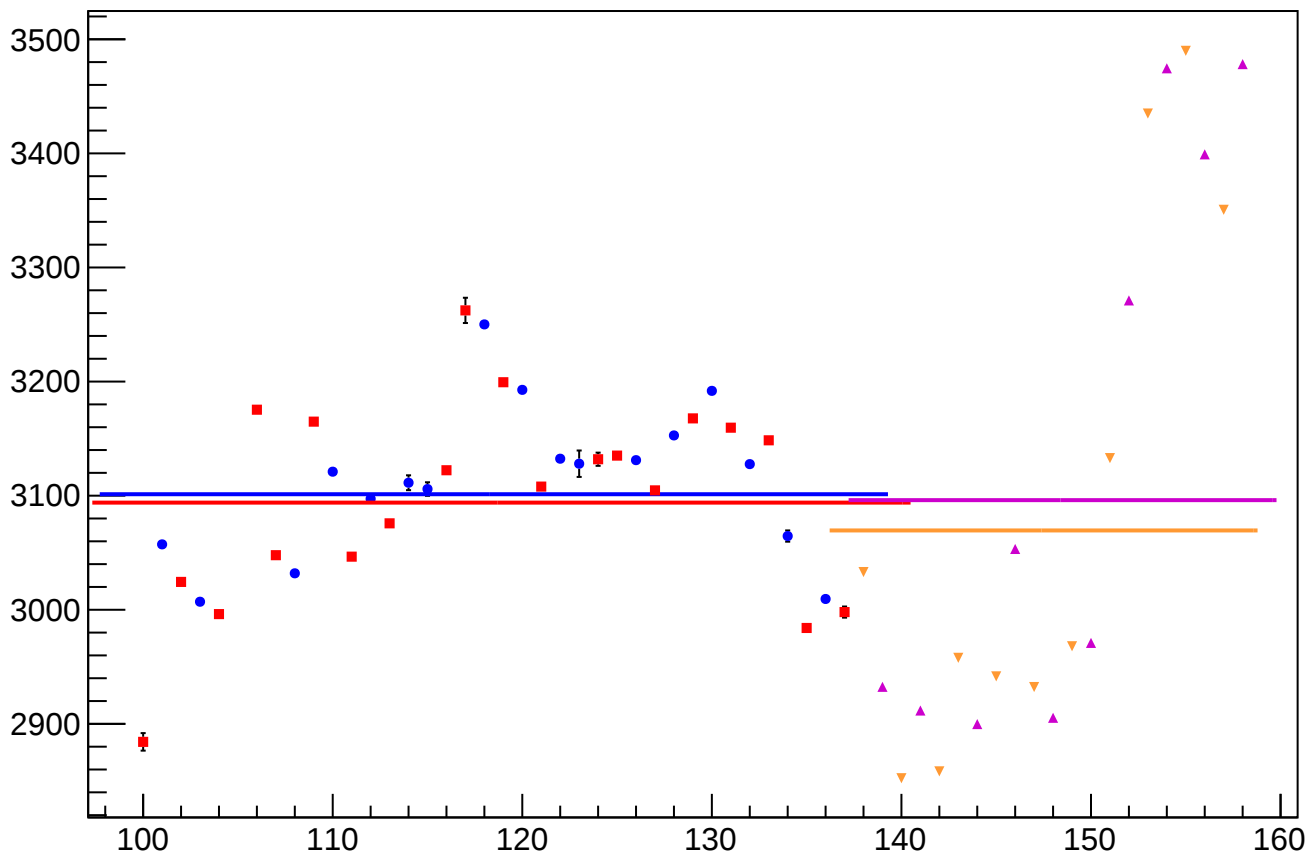
Left In: 9.415 ± 1.084 $\chi^2/\text{NDF}: 38.5/9$

-13.868 ± 0.802 $\chi^2/\text{NDF}: 268.6/27$

-2.366 ± 0.563 $\chi^2/\text{NDF}: 990.2/57$

8.806 ± 0.790 $\chi^2/\text{NDF}: 315.8/29$

diff_bpm0l01X_rms vs Slug, Sign Corrected



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

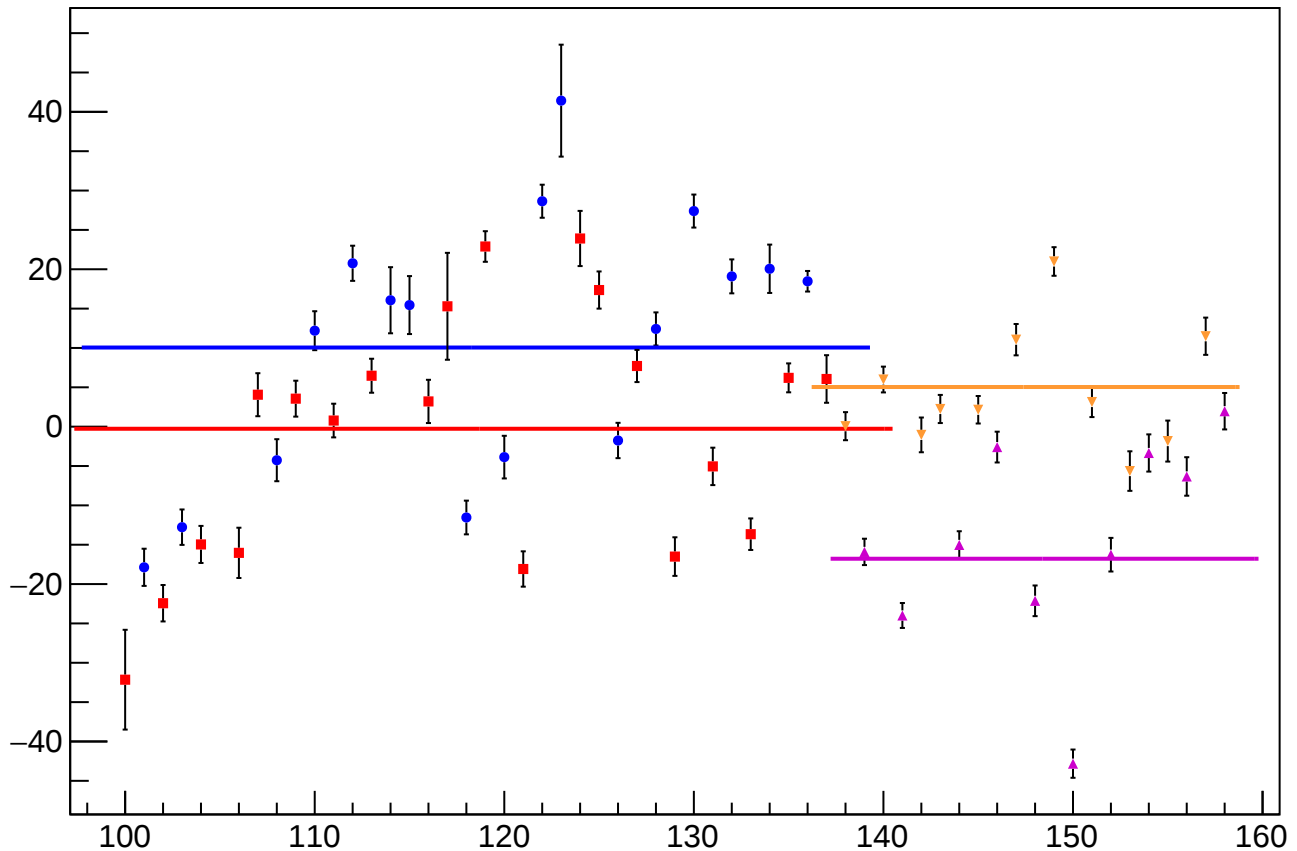
Left In: 3096.082+/-0.767 χ^2/NDF : 86642.4/9

3083.679+/-0.567 χ^2/NDF : 85090.9/27

3089.455+/-0.398 χ^2/NDF : 179940.6/57

3095.065+/-0.559 χ^2/NDF : 94645.0/29

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 10.055+/-0.562 χ^2/NDF : 692.2/16

Left Out: 5.037+/-0.593 χ^2/NDF : 140.6/10

Right Out: -0.266+/-0.545 χ^2/NDF : 635.1/19

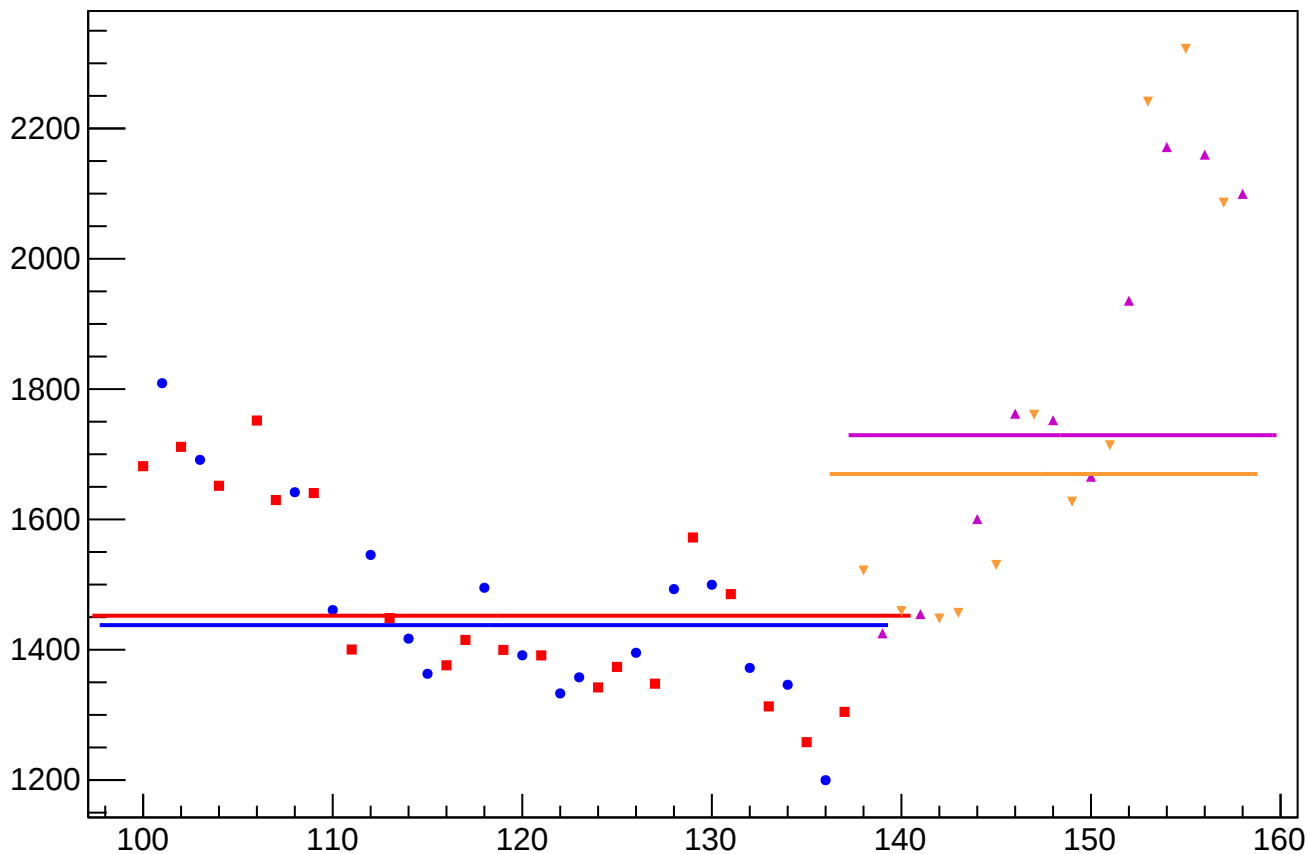
Left In: -16.781+/-0.612 χ^2/NDF : 408.6/9

7.682+/-0.408 χ^2/NDF : 870.5/27

0.039+/-0.288 χ^2/NDF : 3022.1/57

-7.579+/-0.407 χ^2/NDF : 1450.0/29

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1437.776 $\pm$ 0.397 χ^2 /NDF: 173216.2/16

Left Out: 1669.757 $\pm$ 0.419 χ^2 /NDF: 405421.3/10

Right Out: 1452.227 $\pm$ 0.386 χ^2 /NDF: 138666.1/19

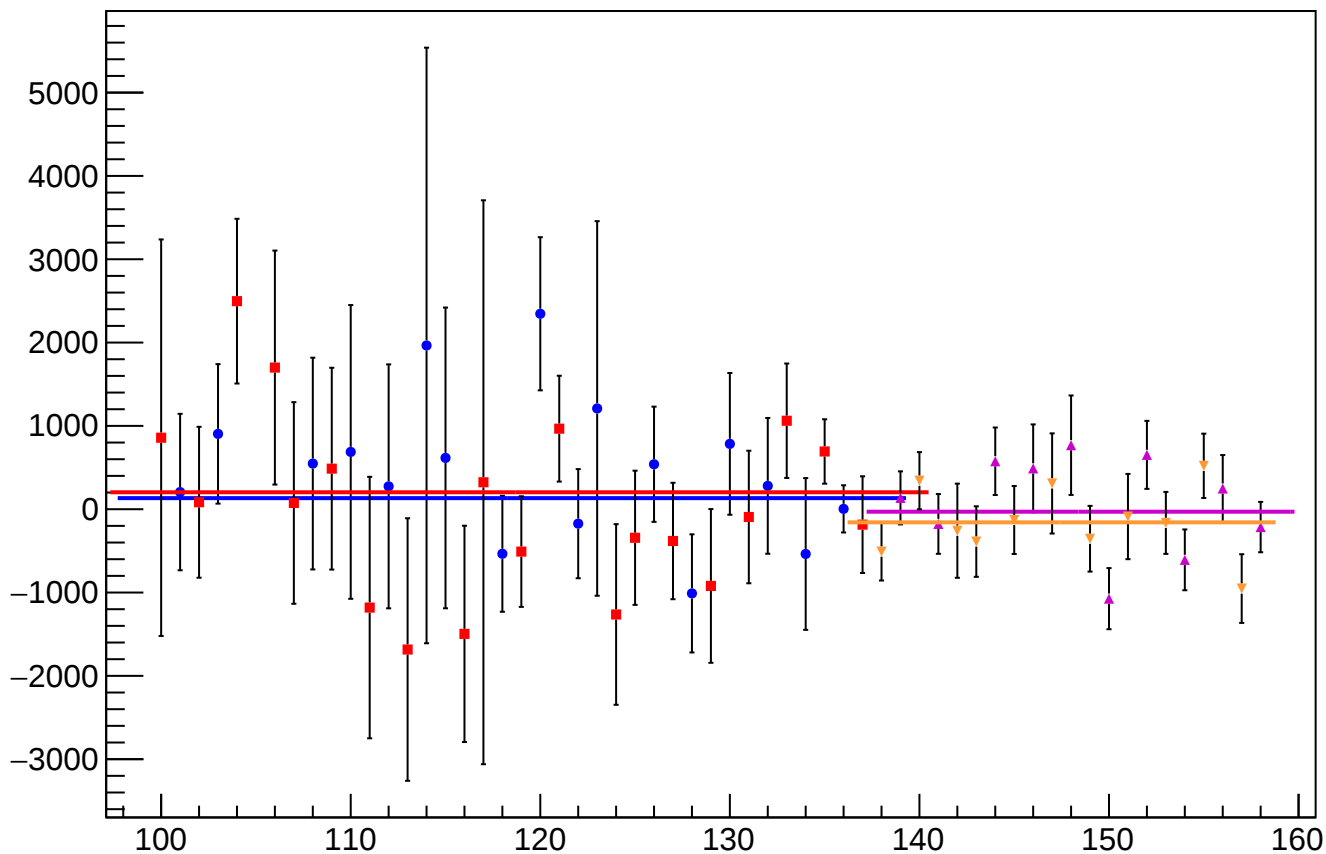
Left In: 1729.270 $\pm$ 0.433 χ^2 /NDF: 342100.8/9

1547.506 $\pm$ 0.288 χ^2 /NDF: 740029.1/27

1561.224 $\pm$ 0.204 χ^2 /NDF: 1453927.3/57

1574.895 $\pm$ 0.288 χ^2 /NDF: 709378.1/29

asym_sam1_mean vs Slug, Sign Corrected



Right In: 132.921 $\pm$ 180.271 χ^2 /NDF: 12.9/16

Left Out: -157.515 $\pm$ 124.642 χ^2 /NDF: 11.2/10

Right Out: 203.418 $\pm$ 184.080 χ^2 /NDF: 21.4/19

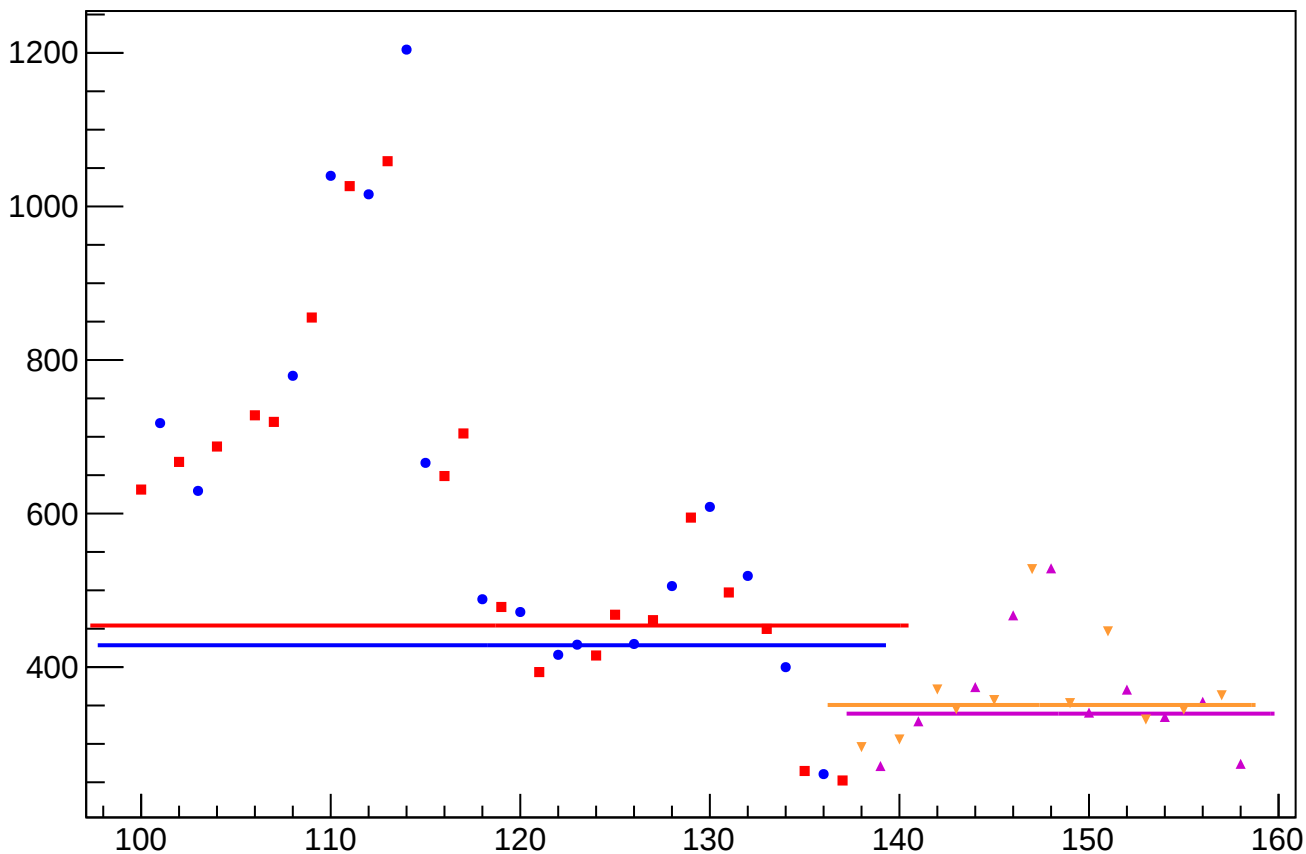
Left In: -29.947 $\pm$ 121.060 χ^2 /NDF: 19.7/9

-63.578 $\pm$ 102.522 χ^2 /NDF: 25.8/27

-10.830 $\pm$ 72.003 χ^2 /NDF: 68.6/57

40.511 $\pm$ 101.147 χ^2 /NDF: 42.2/29

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.460 $\pm$ 0.127 χ^2 /NDF: 2011453.8/16

Left Out: 350.684 $\pm$ 0.088 χ^2 /NDF: 338968.6/10

Right Out: 454.177 $\pm$ 0.130 χ^2 /NDF: 2040775.1/19

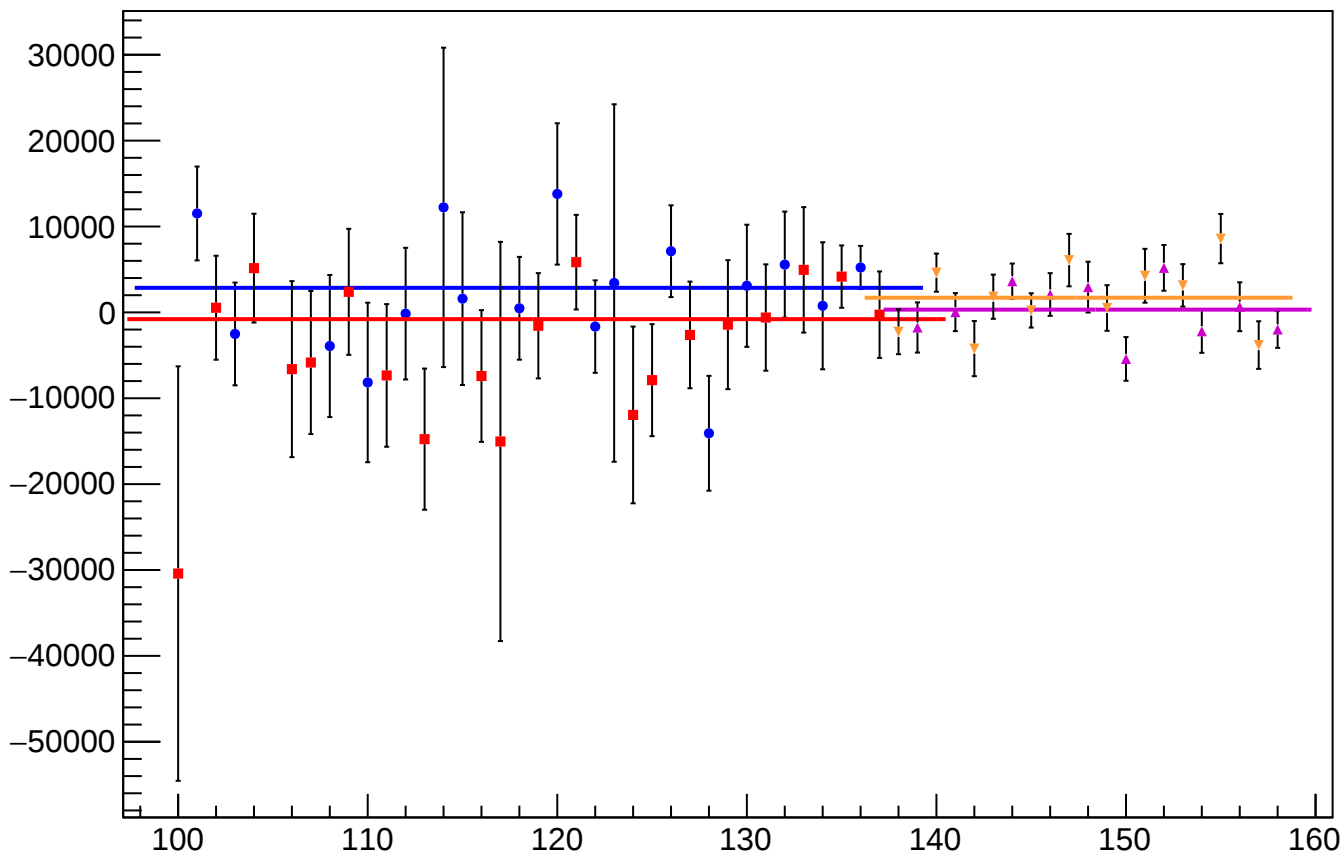
Left In: 339.378 $\pm$ 0.086 χ^2 /NDF: 535495.1/9

375.840 $\pm$ 0.072 χ^2 /NDF: 2602295.2/27

374.927 $\pm$ 0.051 χ^2 /NDF: 5721875.6/57

374.039 $\pm$ 0.072 χ^2 /NDF: 3119267.7/29

asym_sam2_mean vs Slug, Sign Corrected



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

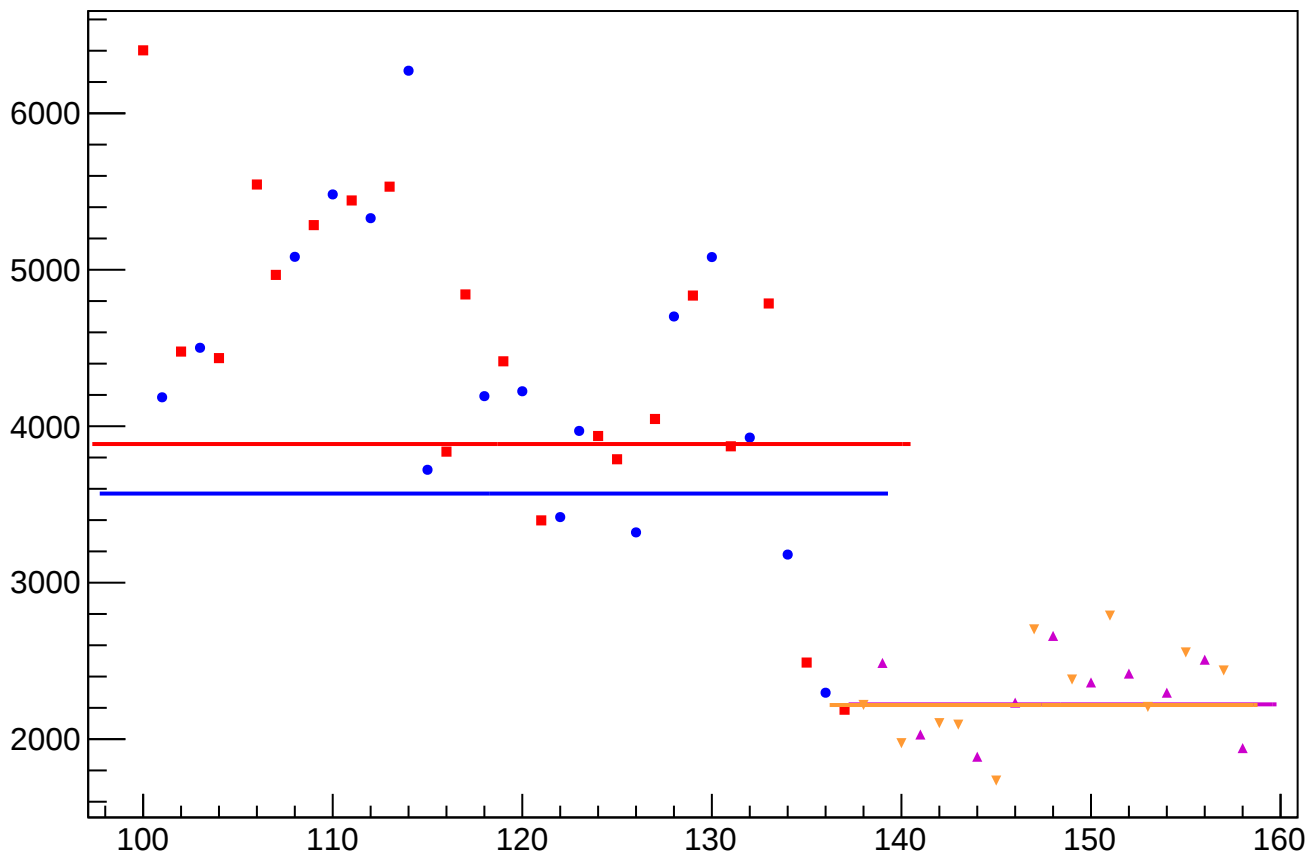
Left In: 320.298 $\pm$ 783.122 χ^2/NDF : 15.0/9

1969.171 $\pm$ 691.711 χ^2/NDF : 38.1/27

1030.826 $\pm$ 490.203 χ^2/NDF : 71.6/57

84.071 $\pm$ 694.804 χ^2/NDF : 29.8/29

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3569.631 $\pm$ 1.024 χ^2 /NDF: 1087935.4/16

Left Out: 2218.163 $\pm$ 0.557 χ^2 /NDF: 312514.9/10

Right Out: 3886.199 $\pm$ 1.065 χ^2 /NDF: 986485.7/19

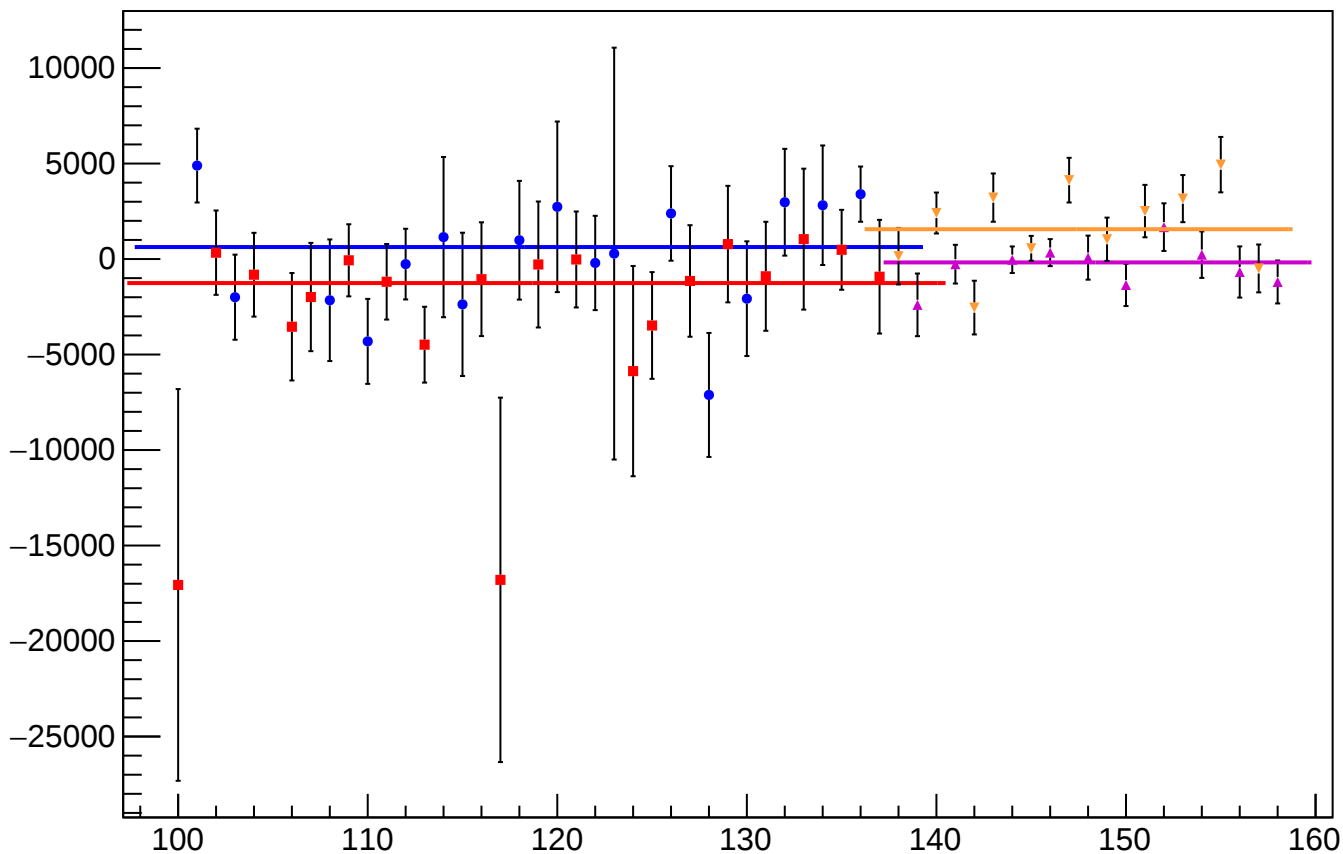
Left In: 2222.350 $\pm$ 0.554 χ^2 /NDF: 201421.7/9

2526.615 $\pm$ 0.489 χ^2 /NDF: 2745255.8/27

2551.434 $\pm$ 0.347 χ^2 /NDF: 5859848.2/57

2576.476 $\pm$ 0.491 χ^2 /NDF: 3109419.6/29

asym_sam3_mean vs Slug, Sign Corrected



Right In: 627.655 $\pm$ 620.929 χ^2/NDF : 25.1/16

Left Out: 1563.082 $\pm$ 340.306 χ^2/NDF : 29.5/10

Right Out: -1257.467 $\pm$ 601.857 χ^2/NDF : 12.6/19

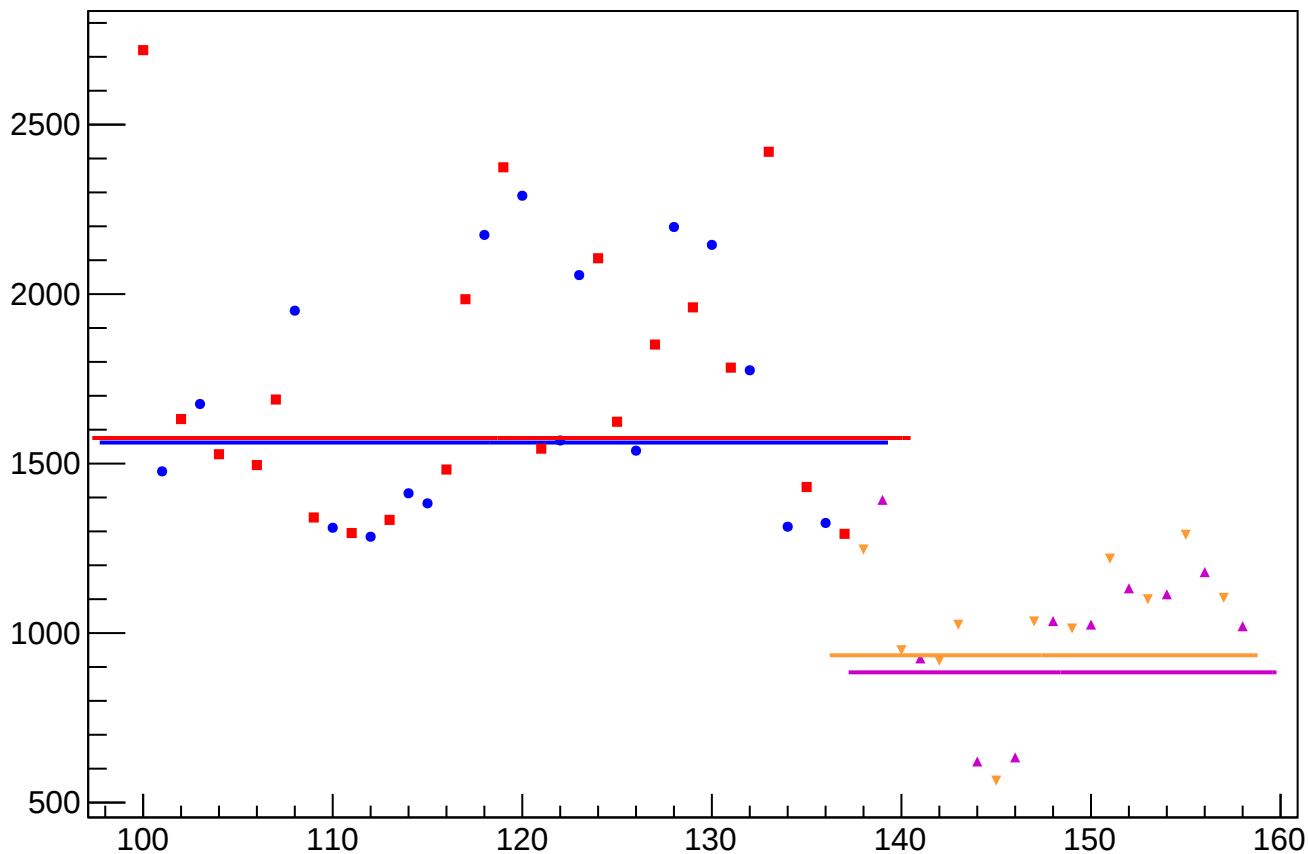
Left In: -176.791 $\pm$ 321.918 χ^2/NDF : 6.9/9

1347.010 $\pm$ 298.426 χ^2/NDF : 56.3/27

420.817 $\pm$ 205.677 χ^2/NDF : 96.6/57

-417.187 $\pm$ 283.863 χ^2/NDF : 22.0/29

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1562.101 $\pm$ 0.439 χ^2 /NDF: 482088.3/16

Left Out: 934.493 $\pm$ 0.241 χ^2 /NDF: 1049935.9/10

Right Out: 1575.541 $\pm$ 0.426 χ^2 /NDF: 467687.2/19

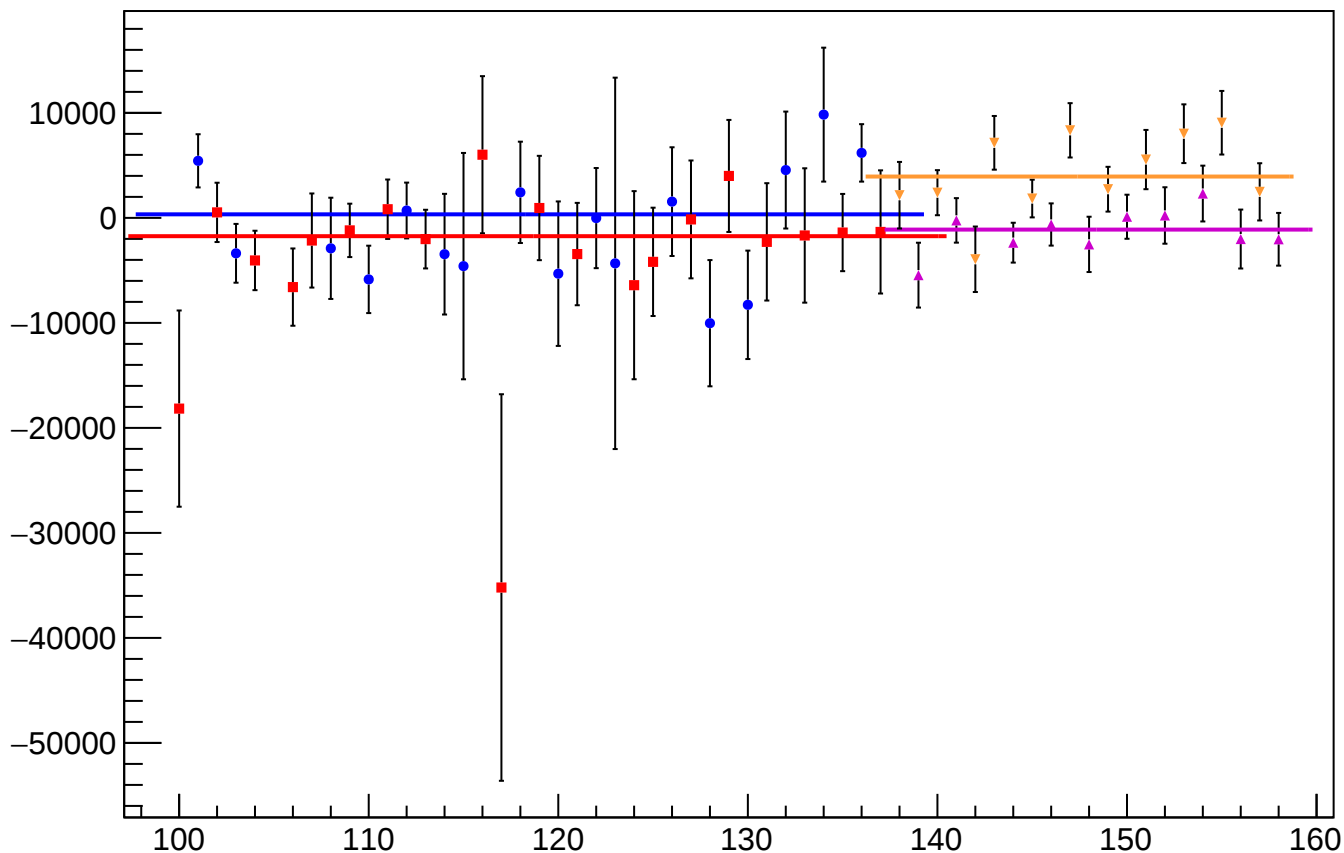
Left In: 884.186 $\pm$ 0.228 χ^2 /NDF: 1077760.6/9

1079.463 $\pm$ 0.211 χ^2 /NDF: 3103315.1/27

1057.684 $\pm$ 0.145 χ^2 /NDF: 6721039.7/57

1037.978 $\pm$ 0.201 χ^2 /NDF: 3597434.5/29

asym_sam4_mean vs Slug, Sign Corrected



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

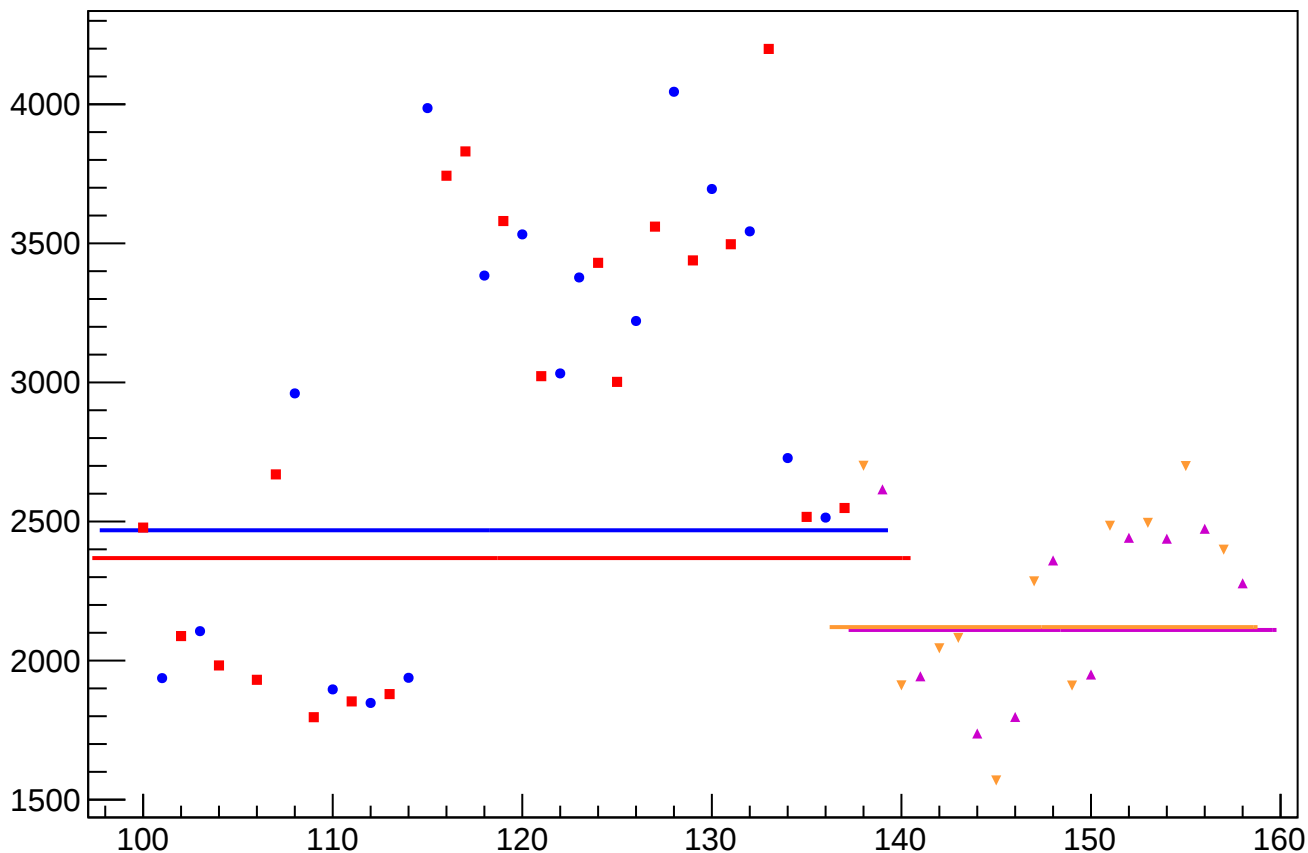
Left In: -1114.910 ± 747.464 χ^2/NDF : 5.4/9

2620.770 ± 602.204 χ^2/NDF : 52.0/27

557.154 ± 418.106 χ^2/NDF : 94.0/57

-1363.370 ± 580.950 χ^2/NDF : 19.3/29

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2468.489 $\pm$ 0.704 χ^2 /NDF: 896153.6/16

Left Out: 2120.393 $\pm$ 0.535 χ^2 /NDF: 466951.8/10

Right Out: 2368.521 $\pm$ 0.653 χ^2 /NDF: 1037811.8/19

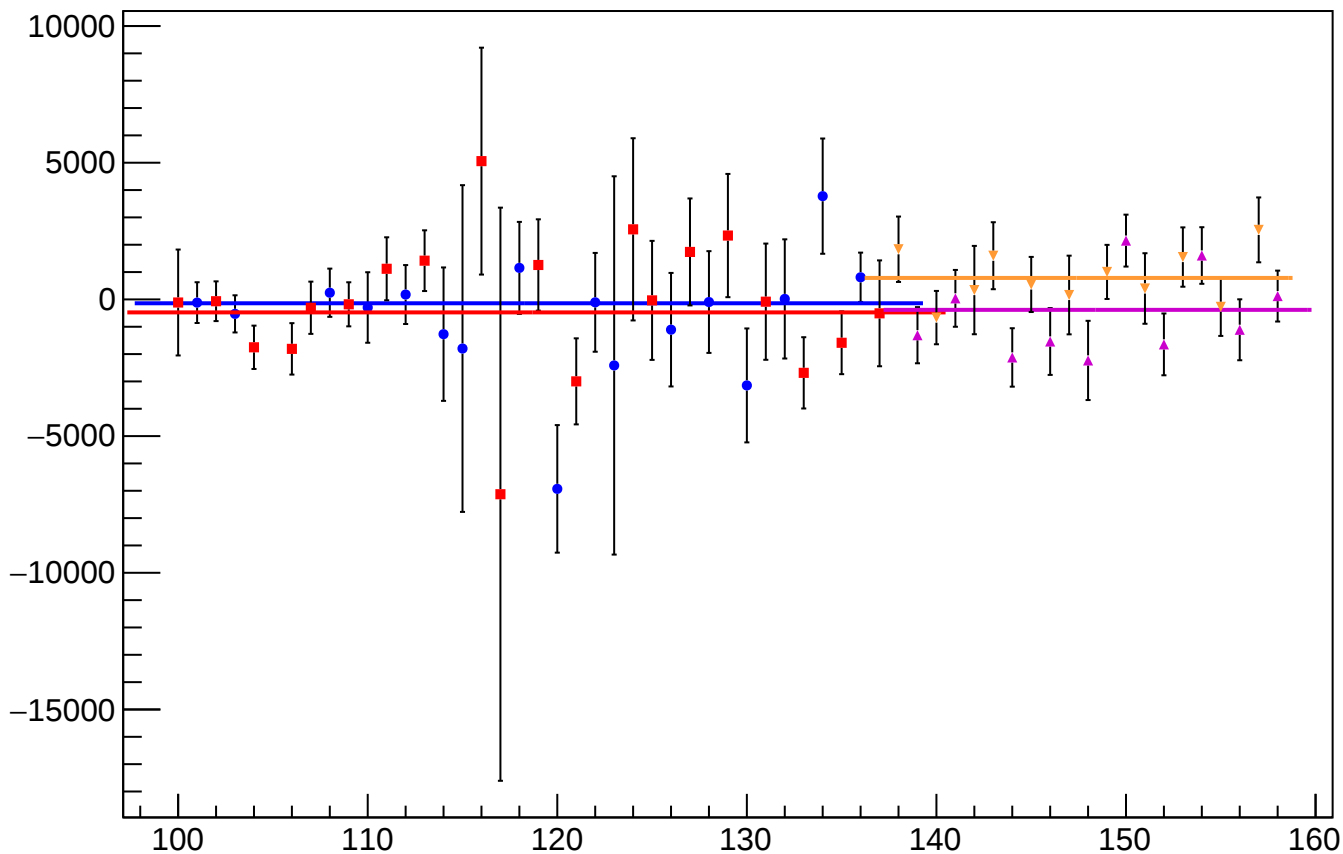
Left In: 2110.119 $\pm$ 0.529 χ^2 /NDF: 324481.2/9

2247.686 $\pm$ 0.426 χ^2 /NDF: 1518113.1/27

2229.422 $\pm$ 0.296 χ^2 /NDF: 2978591.5/57

2212.424 $\pm$ 0.411 χ^2 /NDF: 1456926.7/29

asym_sam5_mean vs Slug, Sign Corrected



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

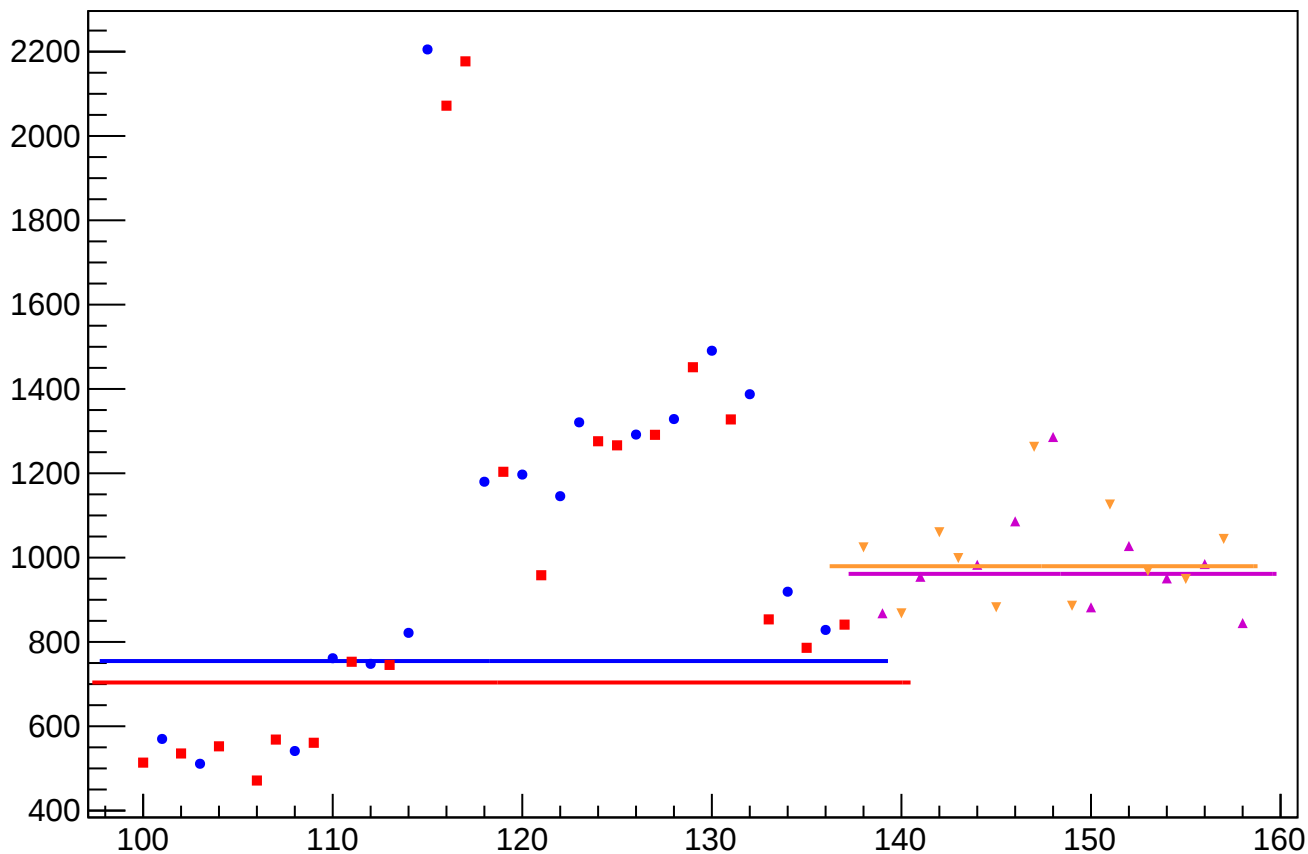
Left In: -382.082 ± 339.445 χ^2/NDF : 18.9/9

275.731 ± 232.387 χ^2/NDF : 28.4/27

-104.528 ± 158.709 χ^2/NDF : 75.8/57

-436.924 ± 217.270 χ^2/NDF : 42.3/29

asym_sam5_rms vs Slug, Sign Corrected



Right In: 754.684 $\pm$ 0.222 χ^2 /NDF: 1690621.2/16

Left Out: 979.597 $\pm$ 0.245 χ^2 /NDF: 182085.2/10

Right Out: 703.794 $\pm$ 0.200 χ^2 /NDF: 1731134.6/19

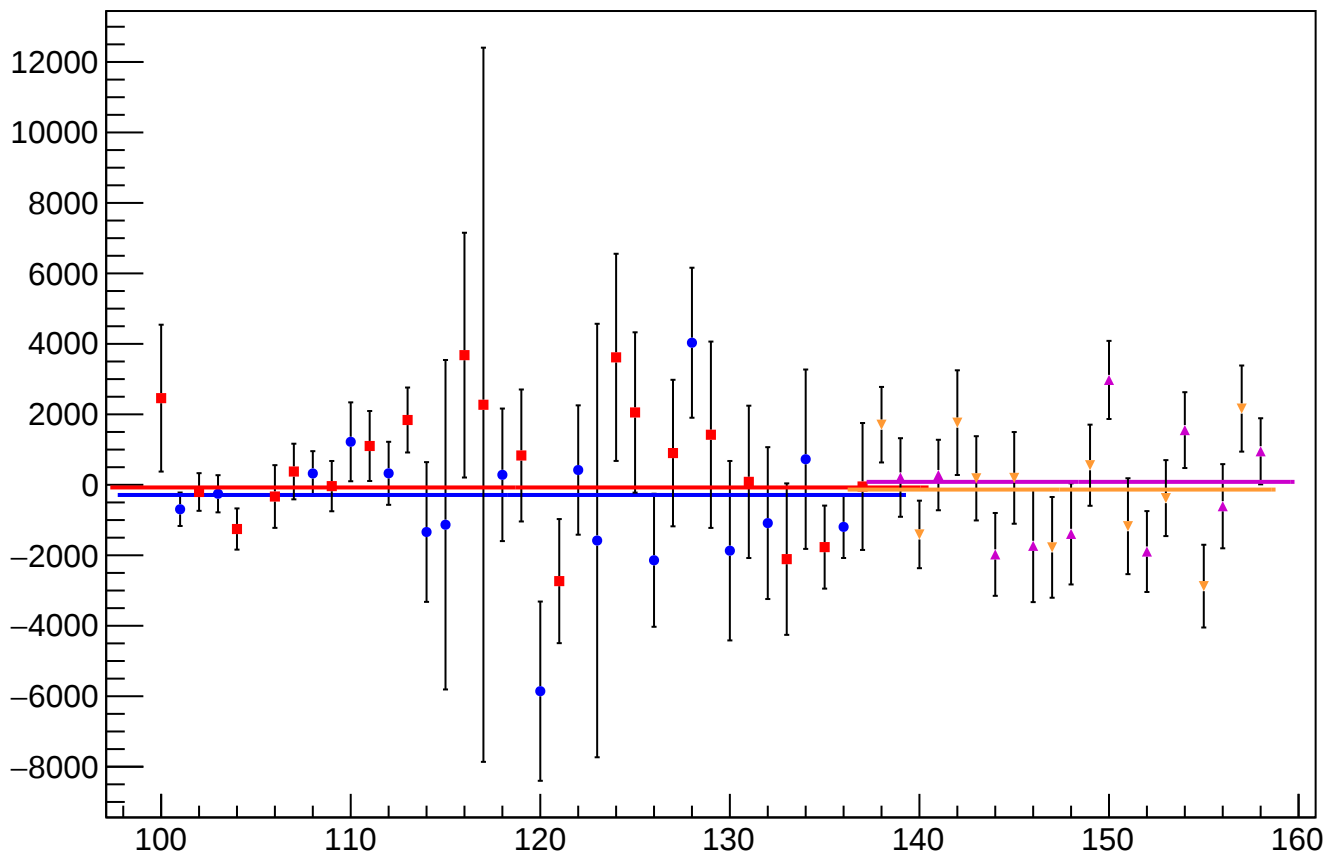
Left In: 961.452 $\pm$ 0.240 χ^2 /NDF: 191882.5/9

855.869 $\pm$ 0.164 χ^2 /NDF: 2336357.2/27

831.051 $\pm$ 0.112 χ^2 /NDF: 4982354.3/57

809.356 $\pm$ 0.154 χ^2 /NDF: 2603244.4/29

asym_sam6_mean vs Slug, Sign Corrected



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

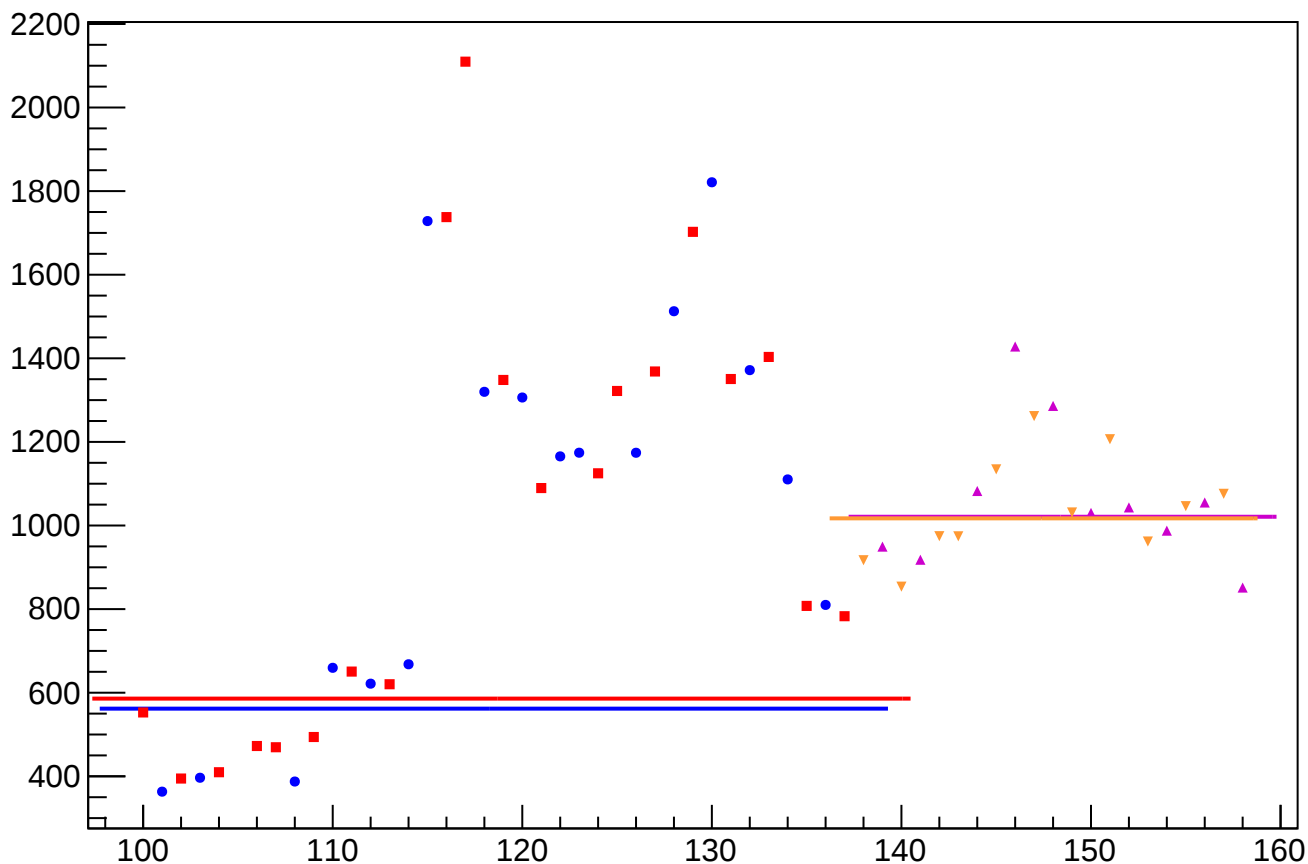
Left In: 83.794 ± 360.877 χ^2/NDF : 18.3/9

-238.071 ± 205.468 χ^2/NDF : 34.1/27

-130.107 ± 144.505 χ^2/NDF : 74.5/57

-24.438 ± 203.272 χ^2/NDF : 39.9/29

asym_sam6_rms vs Slug, Sign Corrected



Right In: 561.894+/-0.177 χ^2/NDF : 3216651.3/16

Left Out: 1017.121+/-0.254 χ^2/NDF : 204778.5/10

Right Out: 585.891+/-0.174 χ^2/NDF : 2869692.7/19

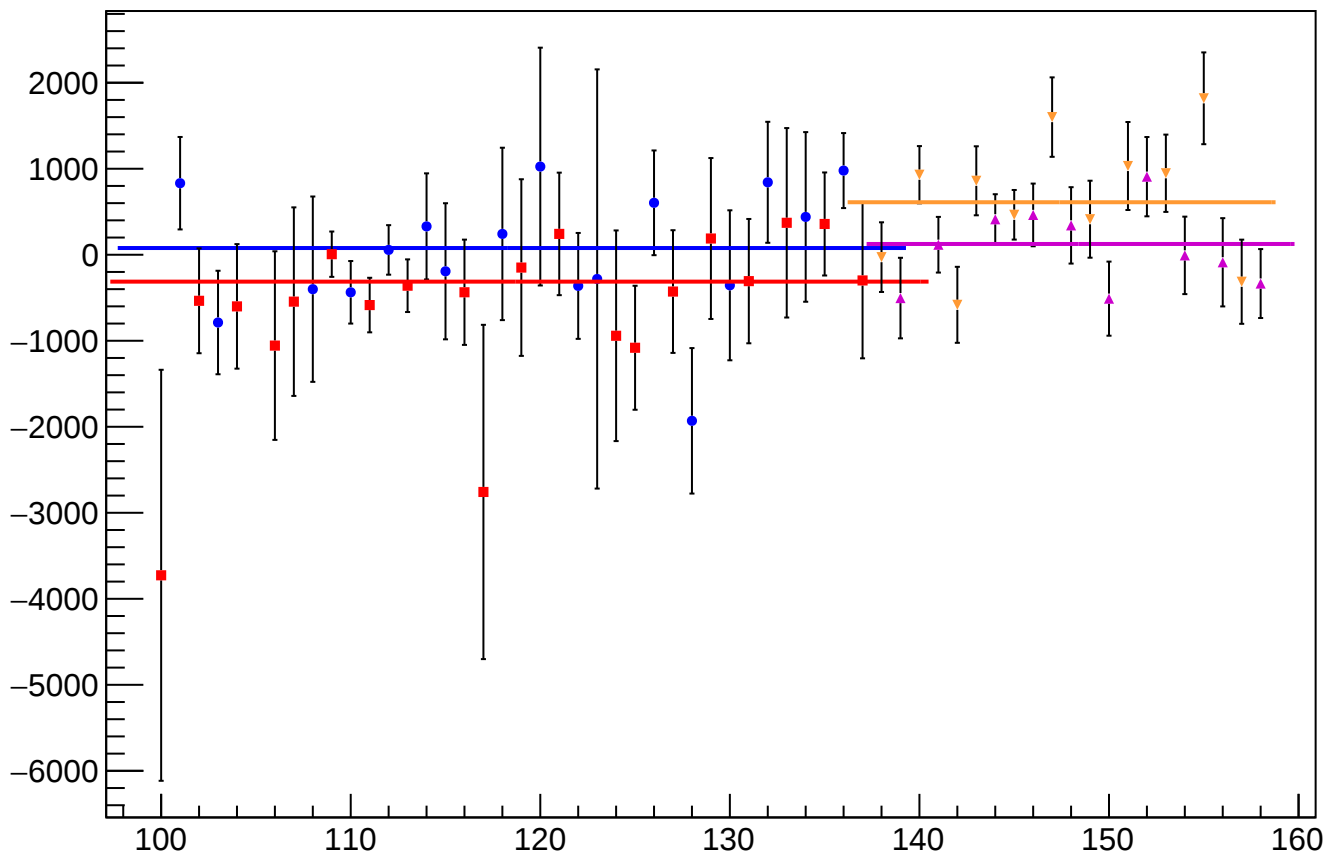
Left In: 1020.959+/-0.255 χ^2/NDF : 302782.3/9

710.697+/-0.145 χ^2/NDF : 5581554.7/27

717.383+/-0.102 χ^2/NDF : 10742812.8/57

723.927+/-0.144 χ^2/NDF : 5157067.3/29

asym_sam7_mean vs Slug, Sign Corrected



Right In: 78.184 $\pm$ 142.869 χ^2 /NDF: 19.8/16

Left Out: 610.515 $\pm$ 124.382 χ^2 /NDF: 26.1/10

Right Out: -312.536 $\pm$ 129.362 χ^2 /NDF: 10.7/19

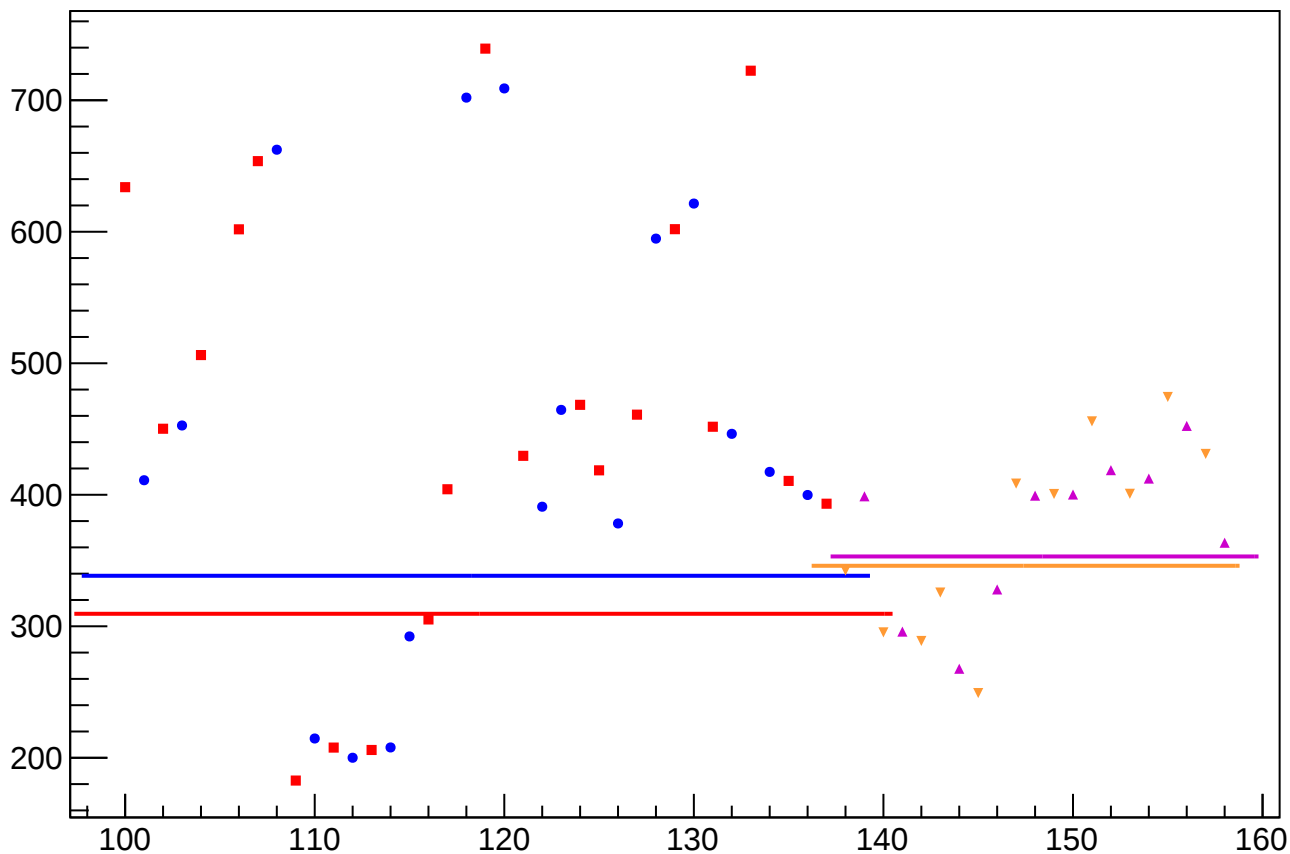
Left In: 125.233 $\pm$ 125.457 χ^2 /NDF: 10.5/9

380.999 $\pm$ 93.811 χ^2 /NDF: 53.7/27

137.486 $\pm$ 64.968 χ^2 /NDF: 93.8/57

-86.945 $\pm$ 90.061 χ^2 /NDF: 27.1/29

asym_sam7_rms vs Slug, Sign Corrected



Right In: 338.408 ± 0.101 $\chi^2/\text{NDF}: 2009287.1/16$

Left Out: 346.009 ± 0.088 $\chi^2/\text{NDF}: 674835.2/10$

Right Out: 309.503 ± 0.091 $\chi^2/\text{NDF}: 2738236.3/19$

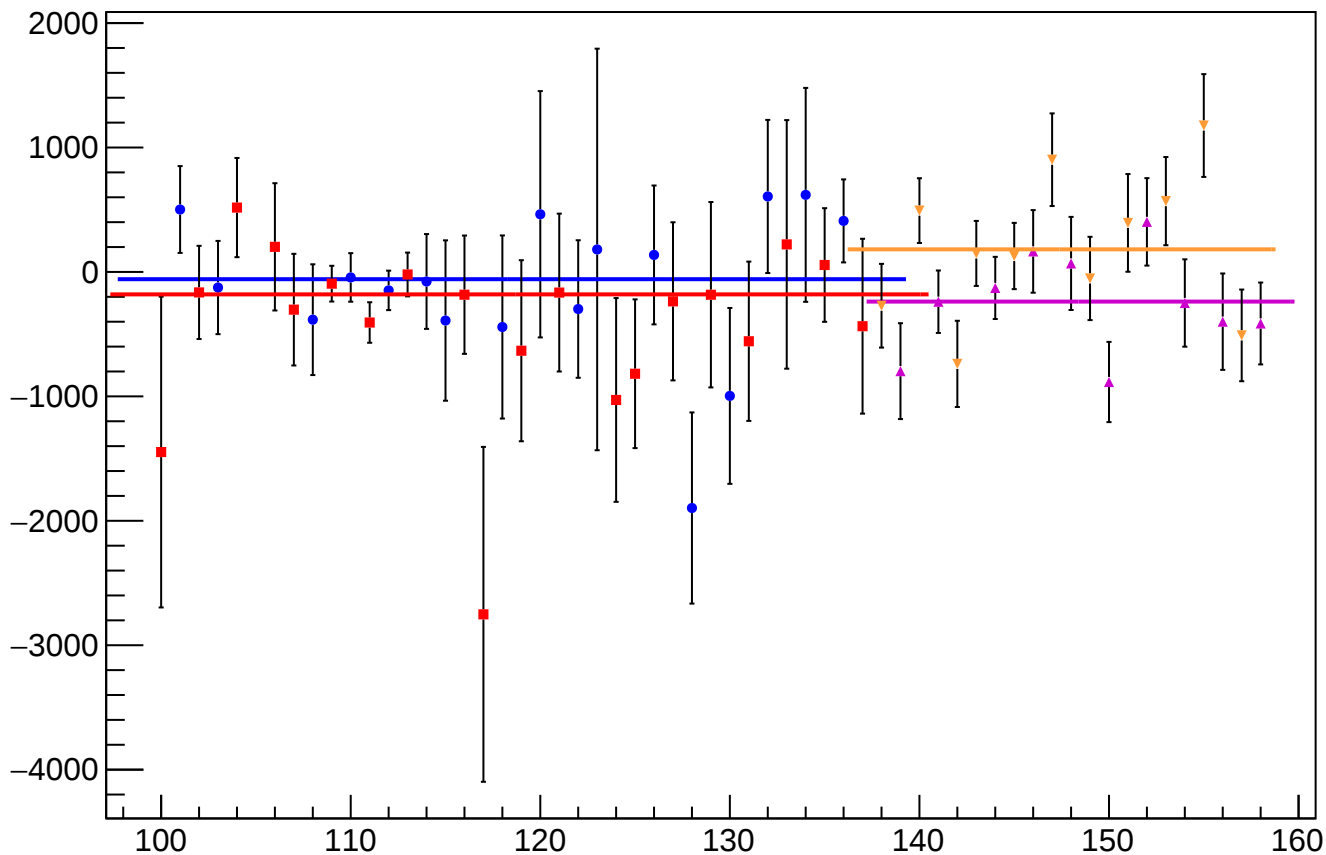
Left In: 353.096 ± 0.089 $\chi^2/\text{NDF}: 459551.5/9$

342.732 ± 0.066 $\chi^2/\text{NDF}: 2687342.7/27$

337.130 ± 0.046 $\chi^2/\text{NDF}: 6015874.3/57$

331.967 ± 0.064 $\chi^2/\text{NDF}: 3314828.0/29$

asym_sam8_mean vs Slug, Sign Corrected



Right In: -58.299 $\pm$ 90.484 χ^2/NDF : 15.9/16

Left Out: 181.600 $\pm$ 97.821 χ^2/NDF : 25.4/10

Right Out: -180.354 $\pm$ 76.795 χ^2/NDF : 15.0/19

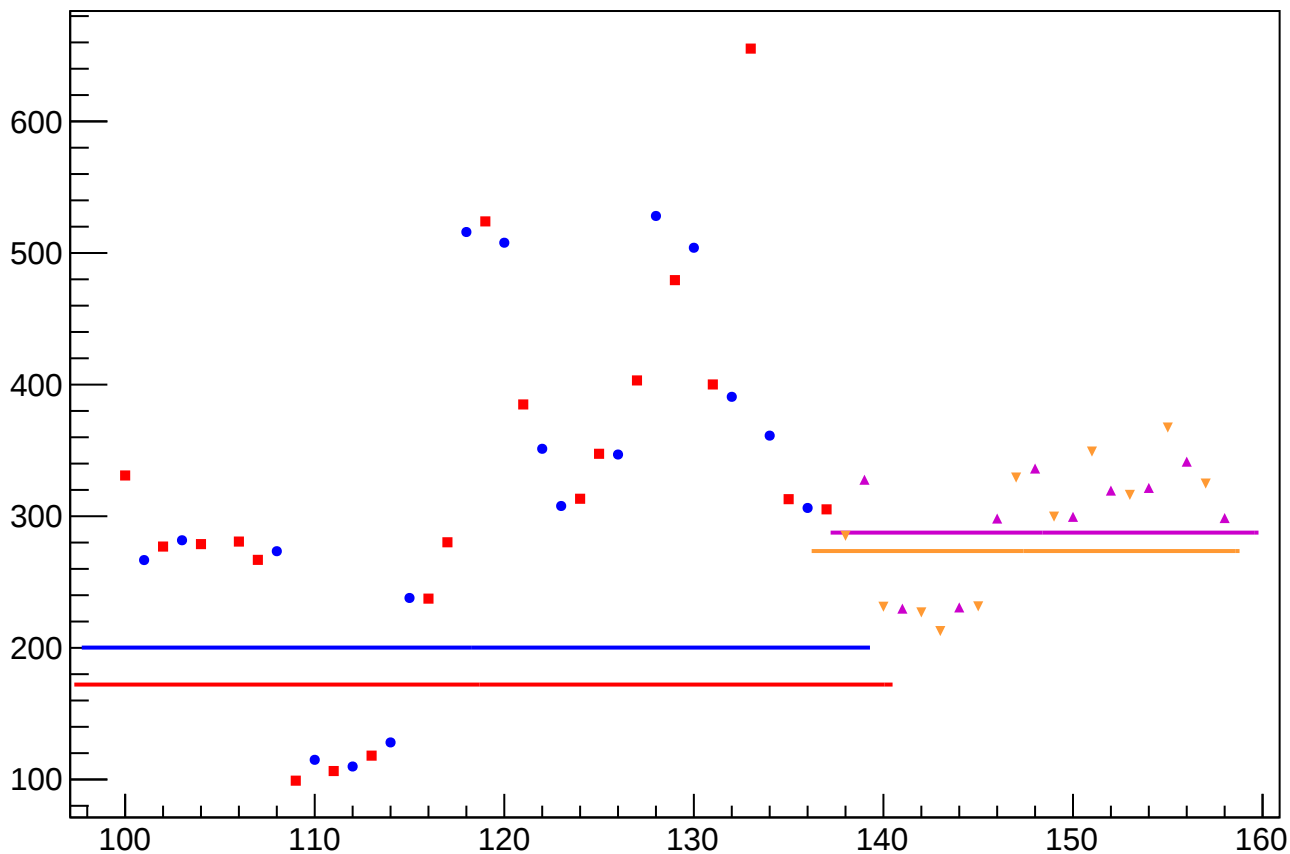
Left In: -238.232 $\pm$ 101.745 χ^2/NDF : 12.2/9

52.318 $\pm$ 66.424 χ^2/NDF : 44.5/27

-84.693 $\pm$ 45.046 χ^2/NDF : 79.9/57

-201.360 $\pm$ 61.295 χ^2/NDF : 27.5/29

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.209 $\pm$ 0.064 χ^2/NDF : 3387197.7/16

Left Out: 273.556 $\pm$ 0.069 χ^2/NDF : 551842.6/10

Right Out: 172.110 $\pm$ 0.054 χ^2/NDF : 4106869.2/19

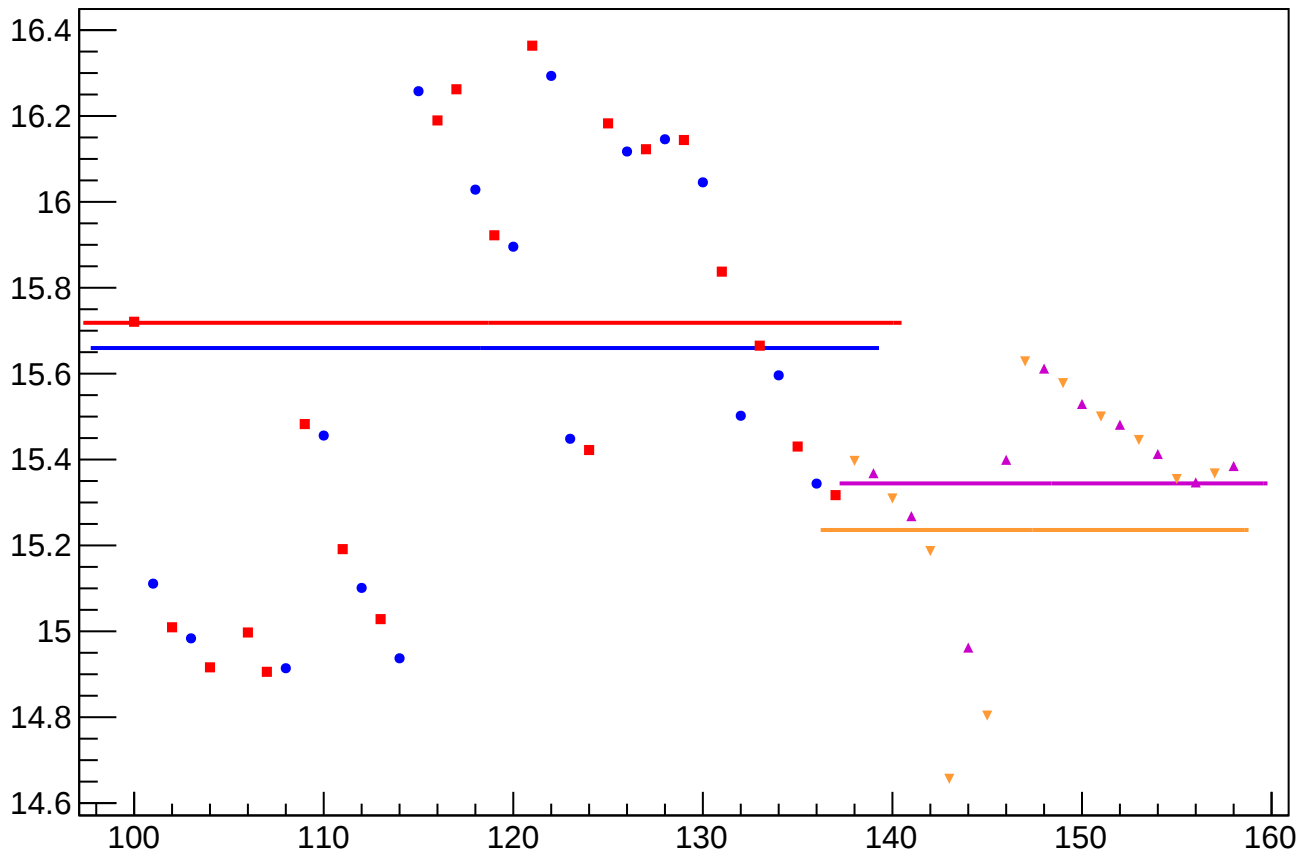
Left In: 287.558 $\pm$ 0.072 χ^2/NDF : 346126.7/9

234.029 $\pm$ 0.047 χ^2/NDF : 4545006.3/27

223.217 $\pm$ 0.032 χ^2/NDF : 10736559.6/57

214.009 $\pm$ 0.043 χ^2/NDF : 6093432.1/29

yield_sam1_mean vs Slug, Sign Corrected



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

Right Out: 15.718 $\pm$ 0.000 χ^2 /NDF: 5490626945.9/19

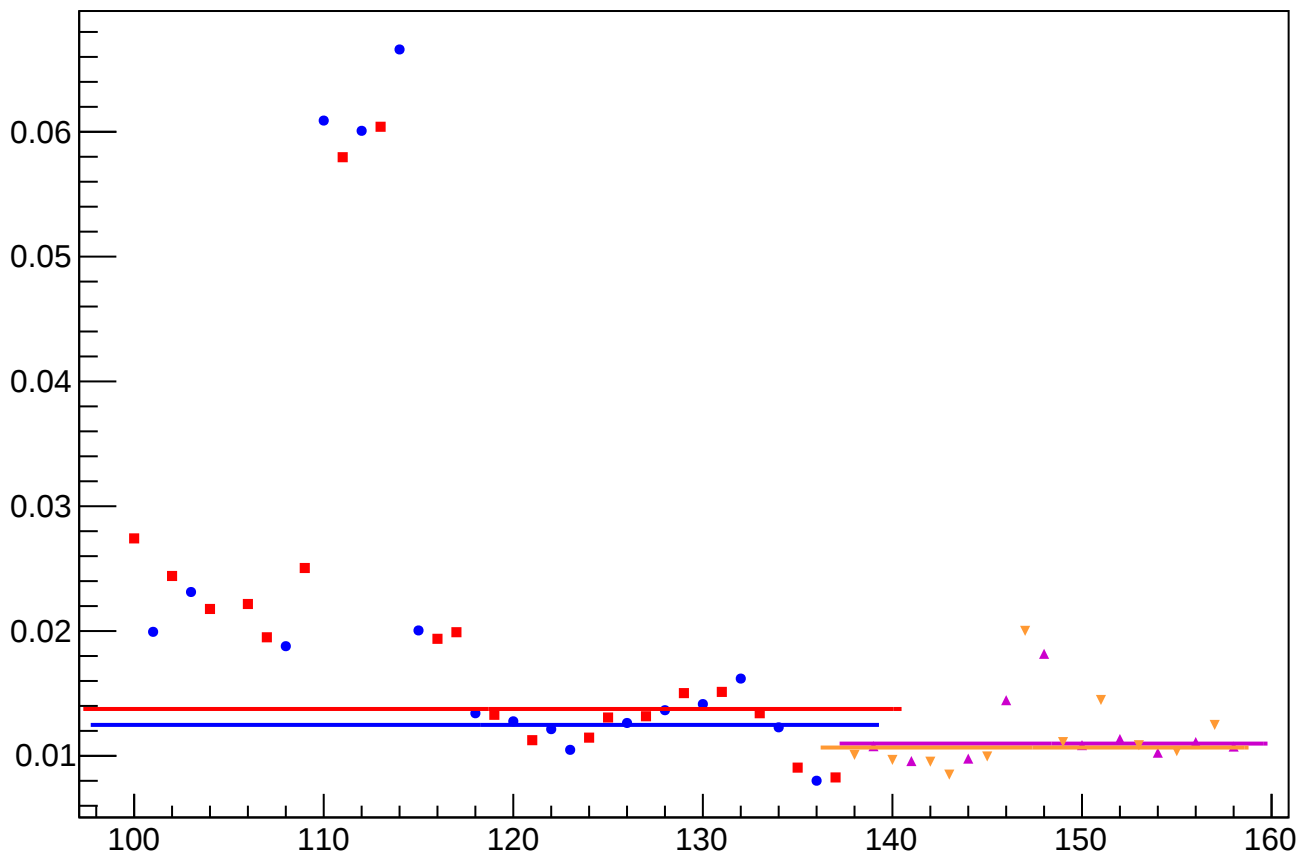
Left In: 15.344 $\pm$ 0.000 χ^2 /NDF: 1880800379.8/9

15.379 $\pm$ 0.000 χ^2 /NDF: 15929827897.7/27

15.419 $\pm$ 0.000 χ^2 /NDF: 26404124904.4/

15.462 $\pm$ 0.000 χ^2 /NDF: 10145934723.8/29

yield_sam1_rms vs Slug, Sign Corrected



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

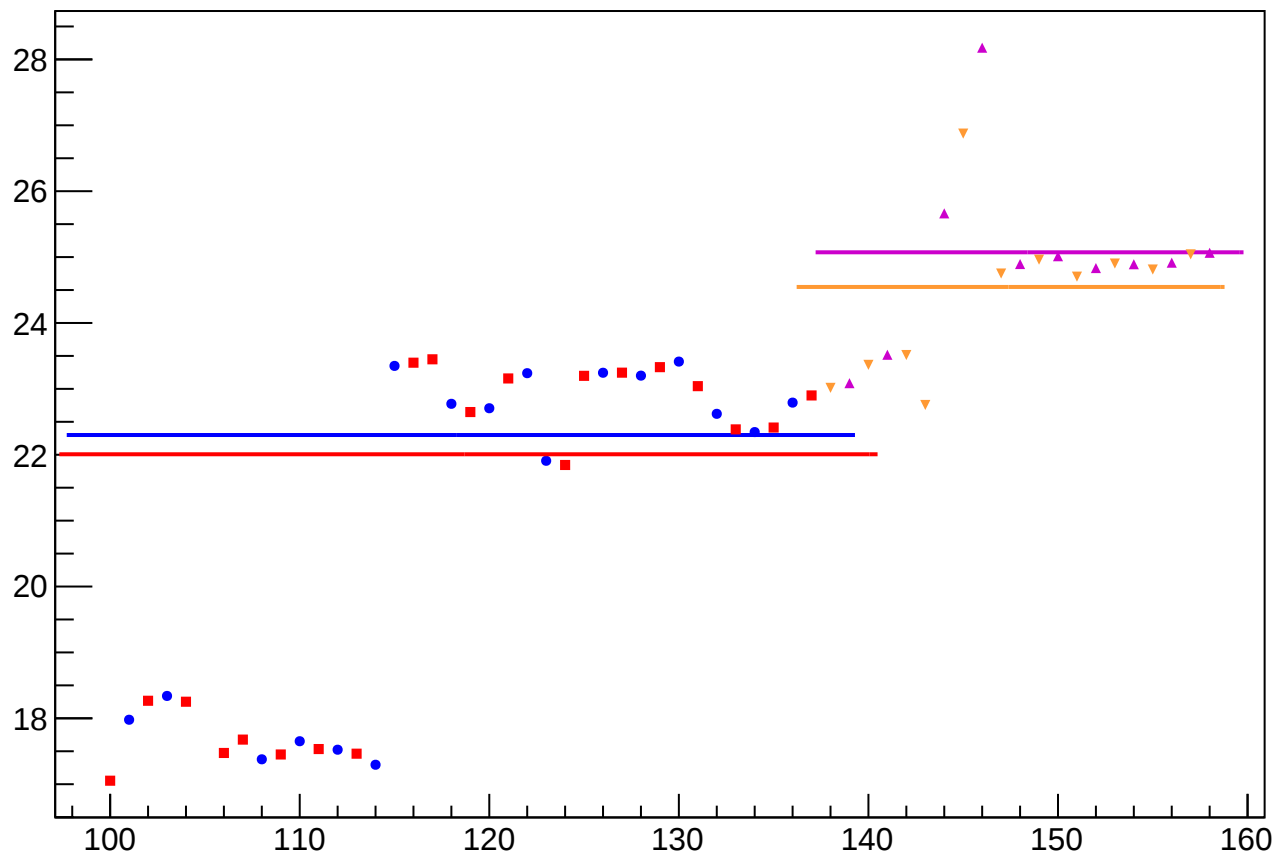
Left In: 0.011 +/- 0.000 χ^2/NDF : 393555.6/9

0.011 +/- 0.000 χ^2/NDF : 2879771.7/27

0.012 +/- 0.000 χ^2/NDF : 5695205.6/57

0.012 +/- 0.000 χ^2/NDF : 2783815.6/29

yield_sam2_mean vs Slug, Sign Corrected



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

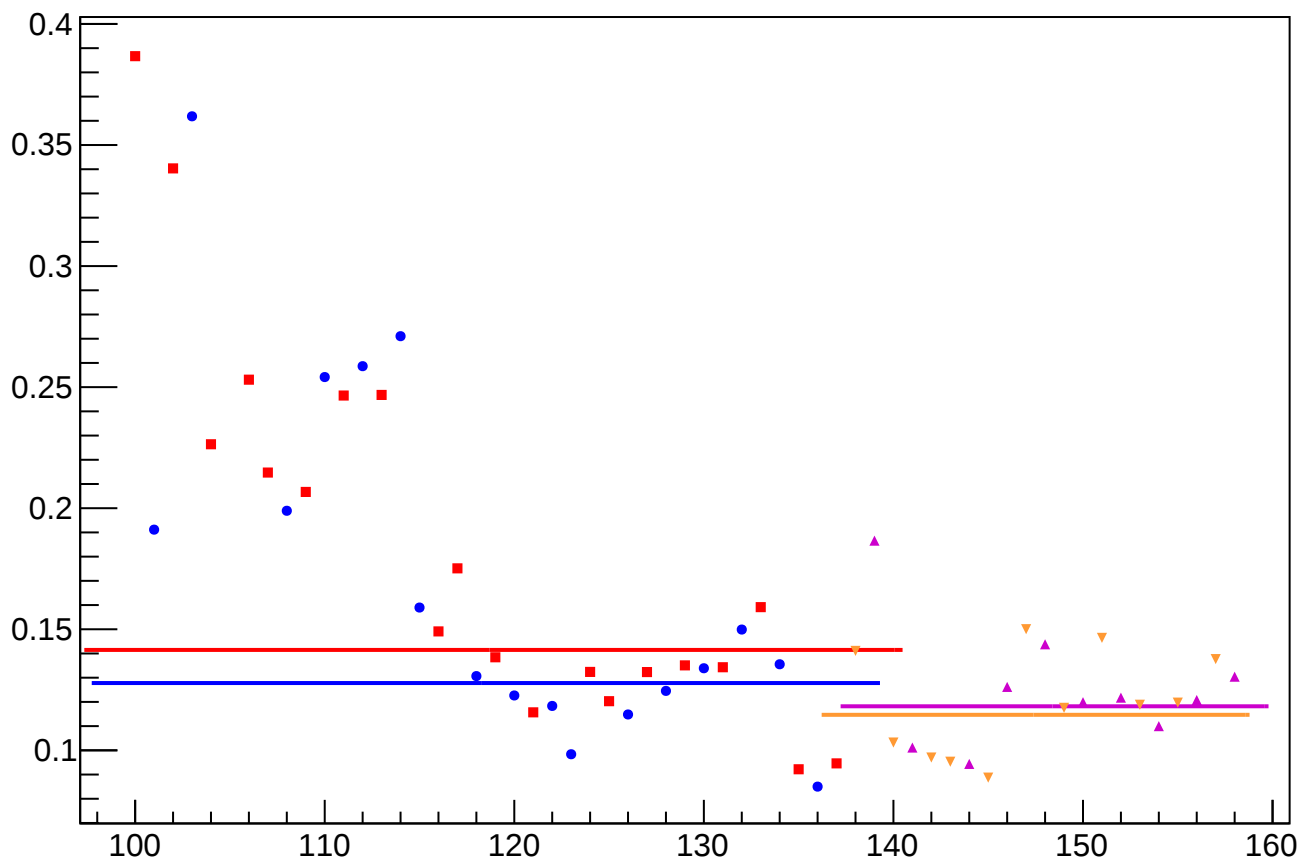
Left In: 25.073+/-0.000 χ^2/NDF : 698049868.3/9

23.701+/-0.000 χ^2/NDF : 2748297900.9/27

23.834+/-0.000 χ^2/NDF : 6216421850.2/5

23.976+/-0.000 χ^2/NDF : 3438121031.5/29

yield_sam2_rms vs Slug, Sign Corrected



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

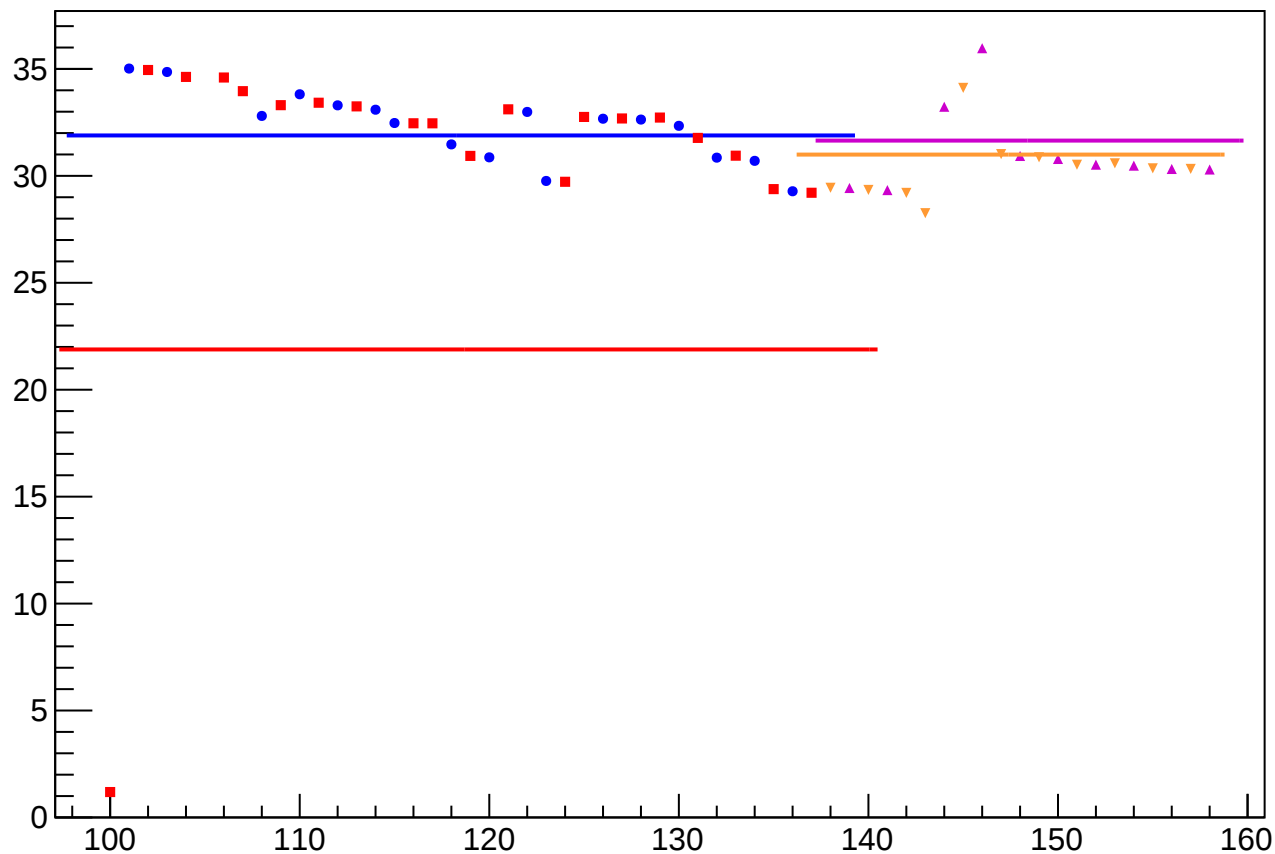
Left In: 0.118+/-0.000 χ^2/NDF : 398480.0/9

0.120+/-0.000 χ^2/NDF : 1980334.2/27

0.123+/-0.000 χ^2/NDF : 4061951.8/57

0.127+/-0.000 χ^2/NDF : 2043452.8/29

yield_sam3_mean vs Slug, Sign Corrected



Right In: 31.889 $\pm$ 0.000 χ^2/NDF : 1930403776.3/16

Left Out: 30.994 $\pm$ 0.000 χ^2/NDF : 4330677394.4/10

Right Out: 21.883 $\pm$ 0.000 χ^2/NDF : 230247118310.5/19

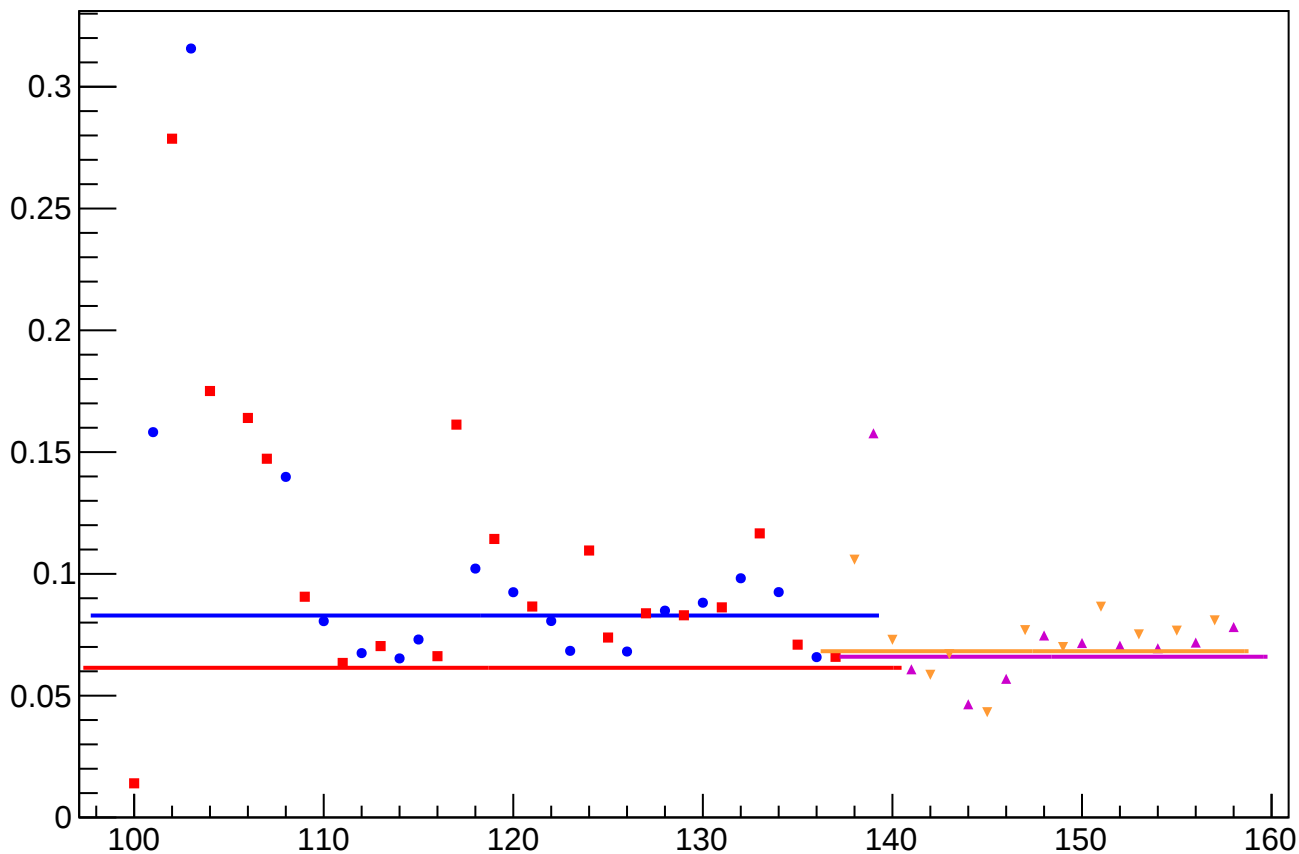
Left In: 31.649 $\pm$ 0.000 χ^2/NDF : 6055885978.0/9

31.315 $\pm$ 0.000 χ^2/NDF : 6627257094.8/27

29.157 $\pm$ 0.000 χ^2/NDF : 317218269863.2

27.409 $\pm$ 0.000 χ^2/NDF : 293827102706.9/29

yield_sam3_rms vs Slug, Sign Corrected



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

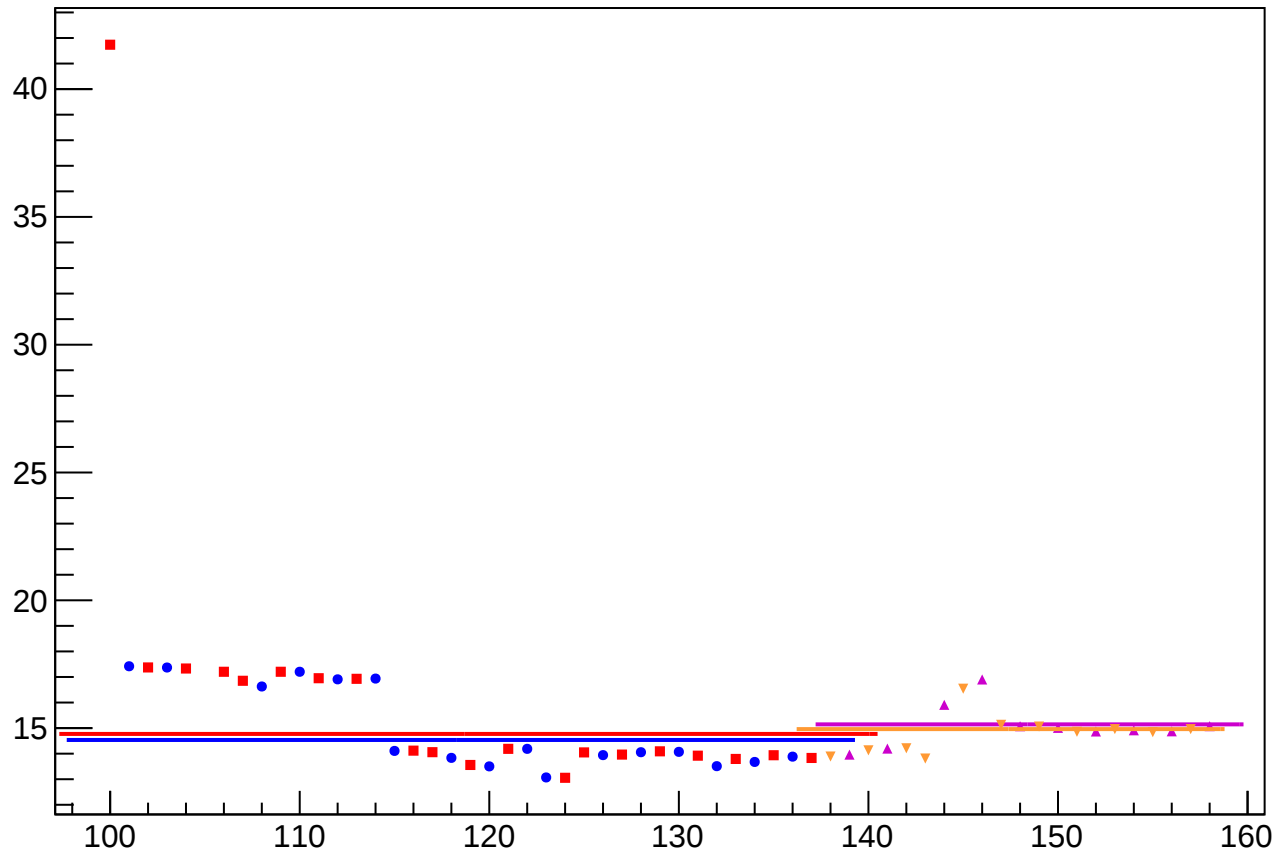
Left In: 0.066+/-0.000 χ^2/NDF : 801769.4/9

0.074+/-0.000 χ^2/NDF : 2018640.8/27

0.068+/-0.000 χ^2/NDF : 6678996.4/57

0.064+/-0.000 χ^2/NDF : 4462314.3/29

yield_sam4_mean vs Slug, Sign Corrected



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

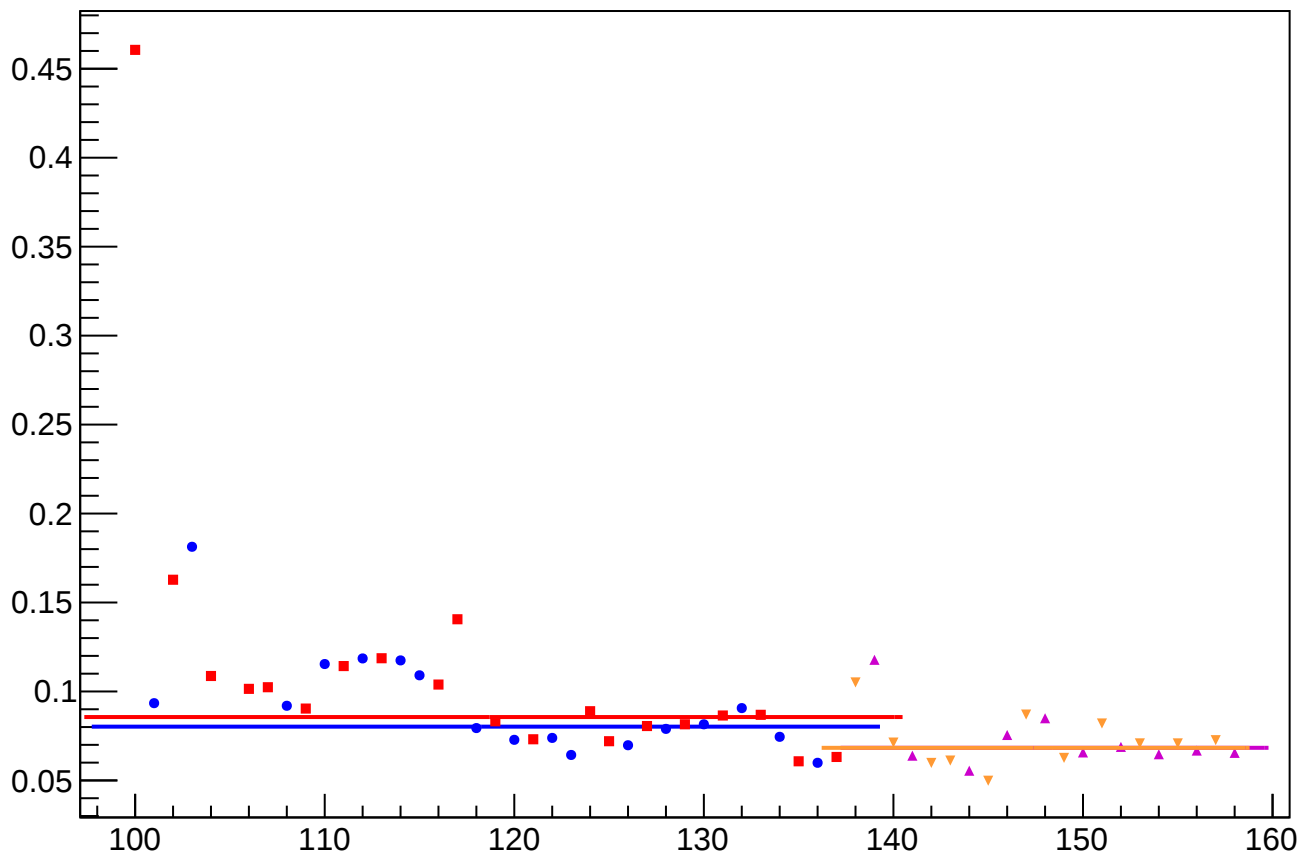
Left In: 15.146+/-0.000 χ^2/NDF : 735034514.1/9

14.799+/-0.000 χ^2/NDF : 2513599590.2/27

14.906+/-0.000 χ^2/NDF : 5260405500.2/5

15.013+/-0.000 χ^2/NDF : 2695389600.5/29

yield_sam4_rms vs Slug, Sign Corrected



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

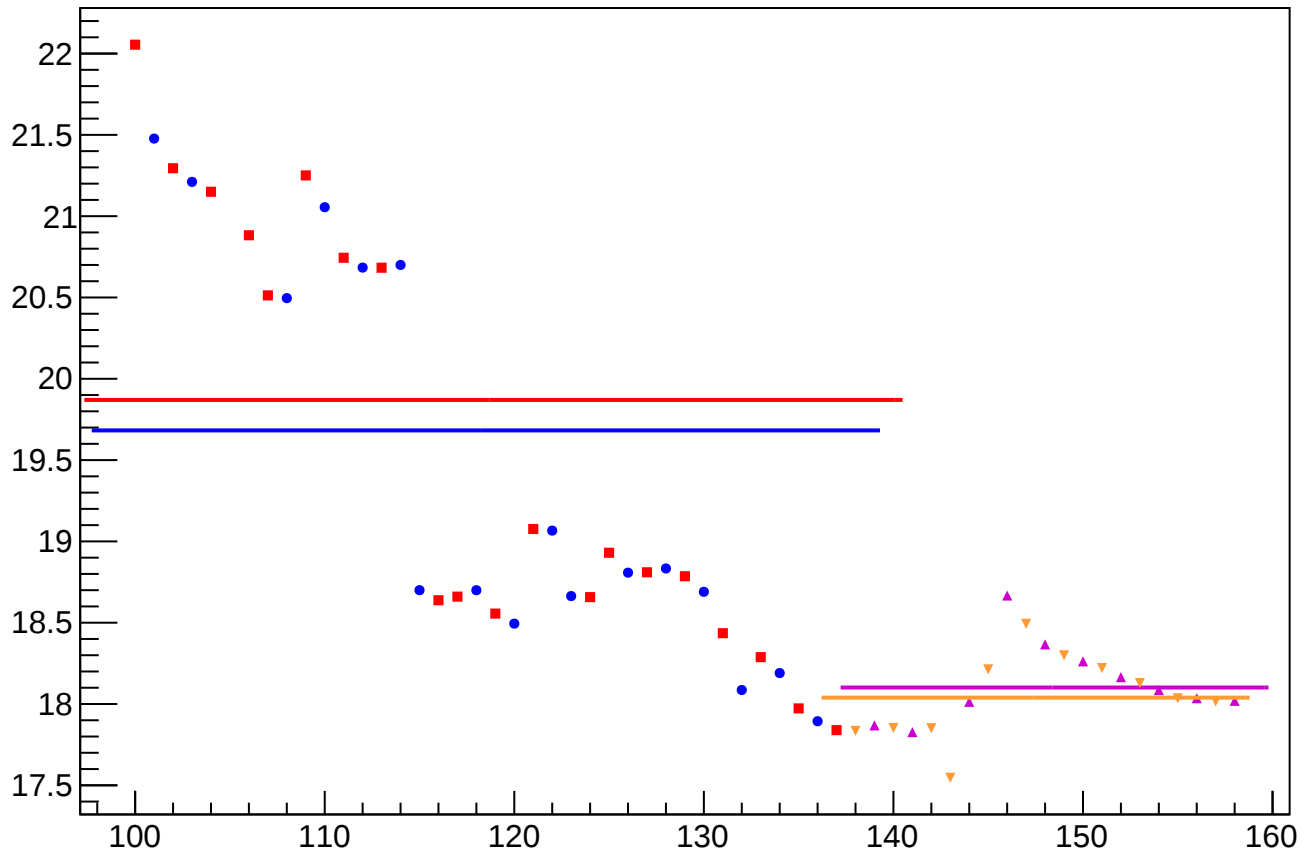
Left In: 0.068+/-0.000 χ^2/NDF : 402524.3/9

0.073+/-0.000 χ^2/NDF : 1397022.4/27

0.074+/-0.000 χ^2/NDF : 2866114.1/57

0.074+/-0.000 χ^2/NDF : 1462872.2/29

yield_sam5_mean vs Slug, Sign Corrected



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

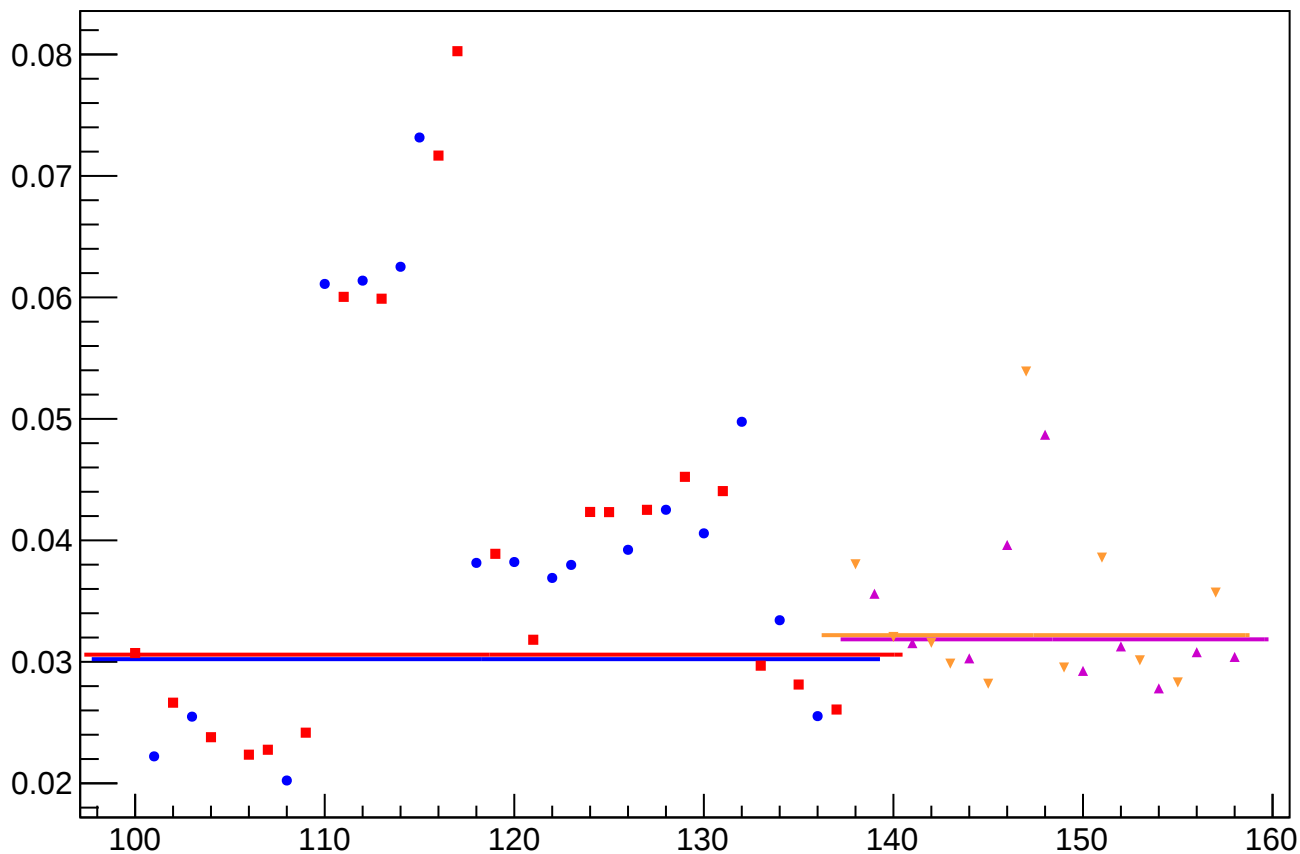
Left In: 18.101+/-0.000 χ^2/NDF : 311849210.7/9

18.790+/-0.000 χ^2/NDF : 21642812921.5/27

18.848+/-0.000 χ^2/NDF : 44195265151.5/27

18.904+/-0.000 χ^2/NDF : 22464326959.0/29

yield_sam5_rms vs Slug, Sign Corrected



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

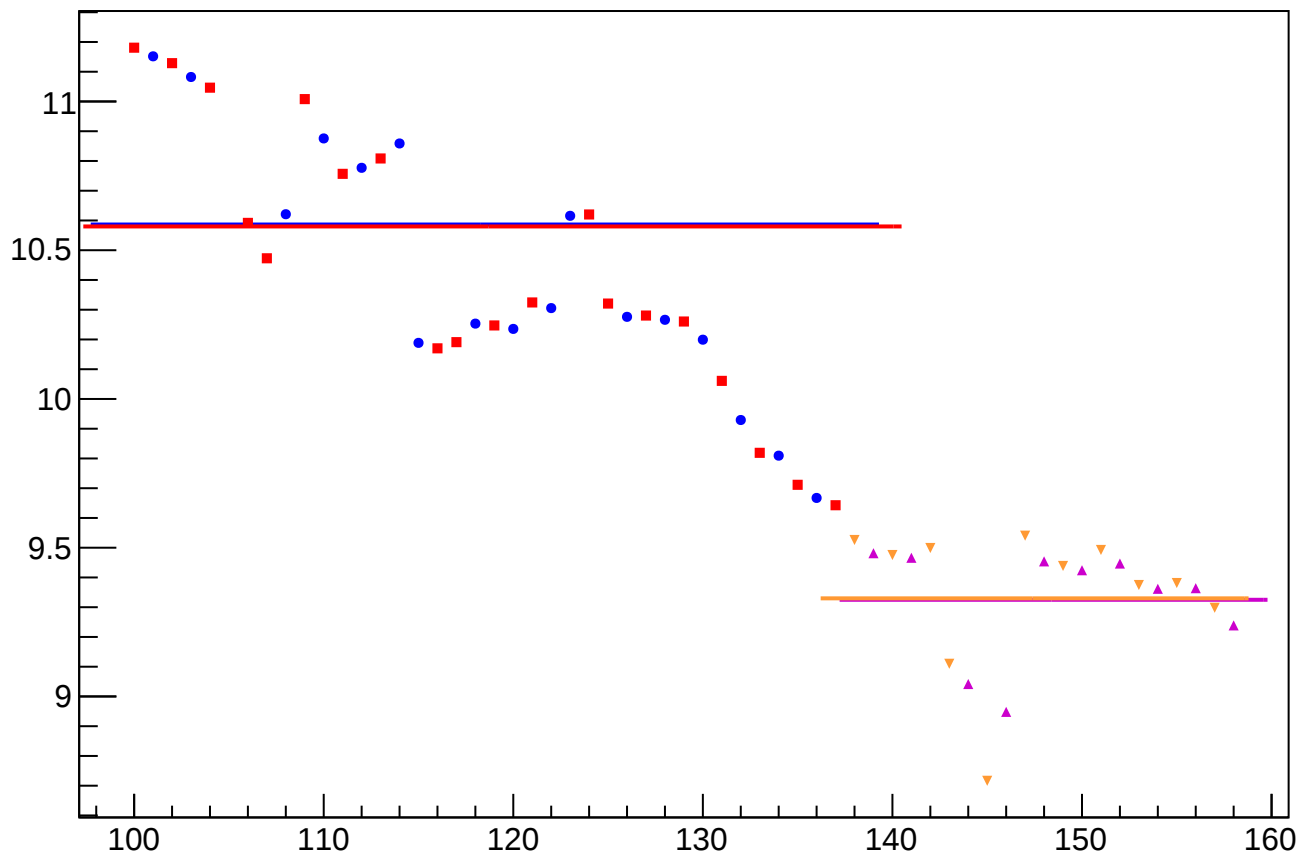
Left In: 0.032 +/- 0.000 χ^2/NDF : 314680.3/9

0.031 +/- 0.000 χ^2/NDF : 1767061.9/27

0.031 +/- 0.000 χ^2/NDF : 3311963.2/57

0.031 +/- 0.000 χ^2/NDF : 1544899.3/29

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.586+/-0.000 χ^2/NDF : 7420104563.4/16

Left Out: 9.330+/-0.000 χ^2/NDF : 1041603426.9/10

Right Out: 10.580+/-0.000 χ^2/NDF : 5769007164.9/19

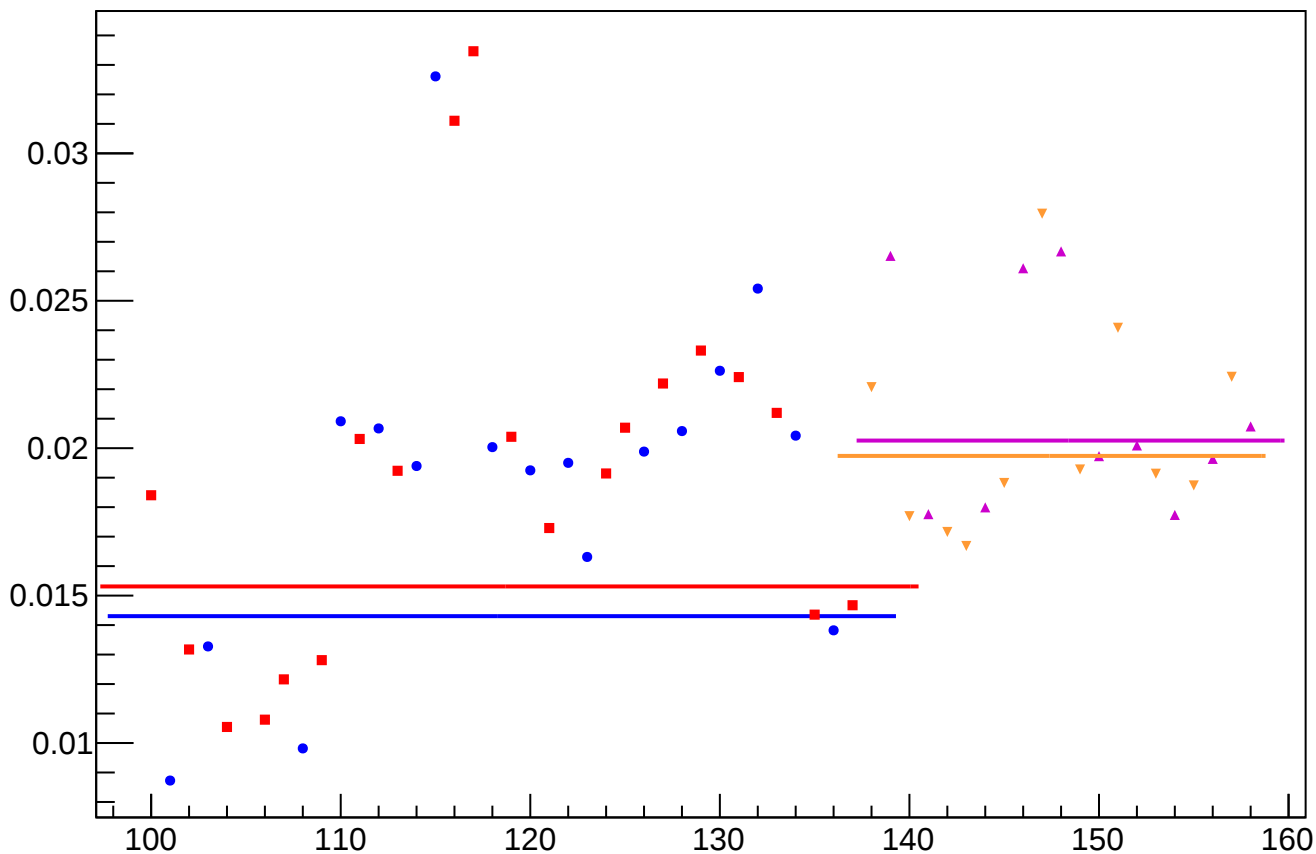
Left In: 9.325+/-0.000 χ^2/NDF : 501706149.9/9

10.062+/-0.000 χ^2/NDF : 25616679711.4/27

10.060+/-0.000 χ^2/NDF : 48447667803.6/27

10.058+/-0.000 χ^2/NDF : 22830691528.9/29

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1408012.0/16

Left Out: 0.020 $\pm$ 0.000 χ^2 /NDF:298431.8/10

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1011477.2/19

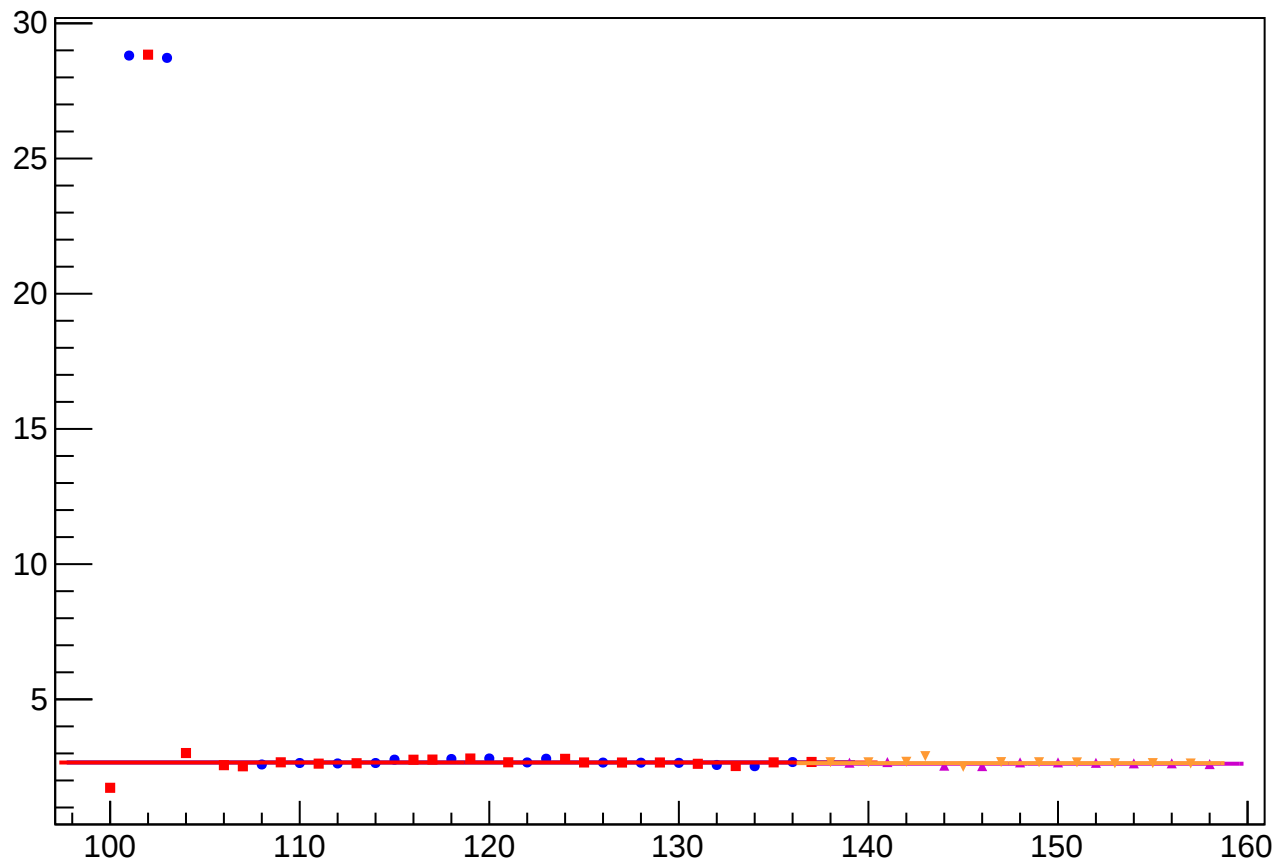
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:330043.4/9

0.017 $\pm$ 0.000 χ^2 /NDF: 2348310.3/27

0.017 $\pm$ 0.000 χ^2 /NDF: 4232529.4/57

0.017 $\pm$ 0.000 χ^2 /NDF: 1856340.0/29

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.666 $\pm$ 0.000 χ^2 /NDF: 163167327359.4/16

Left Out: 2.641 $\pm$ 0.000 χ^2 /NDF: 11378615310.1/10

Right Out: 2.664 $\pm$ 0.000 χ^2 /NDF: 70484048082.1/19

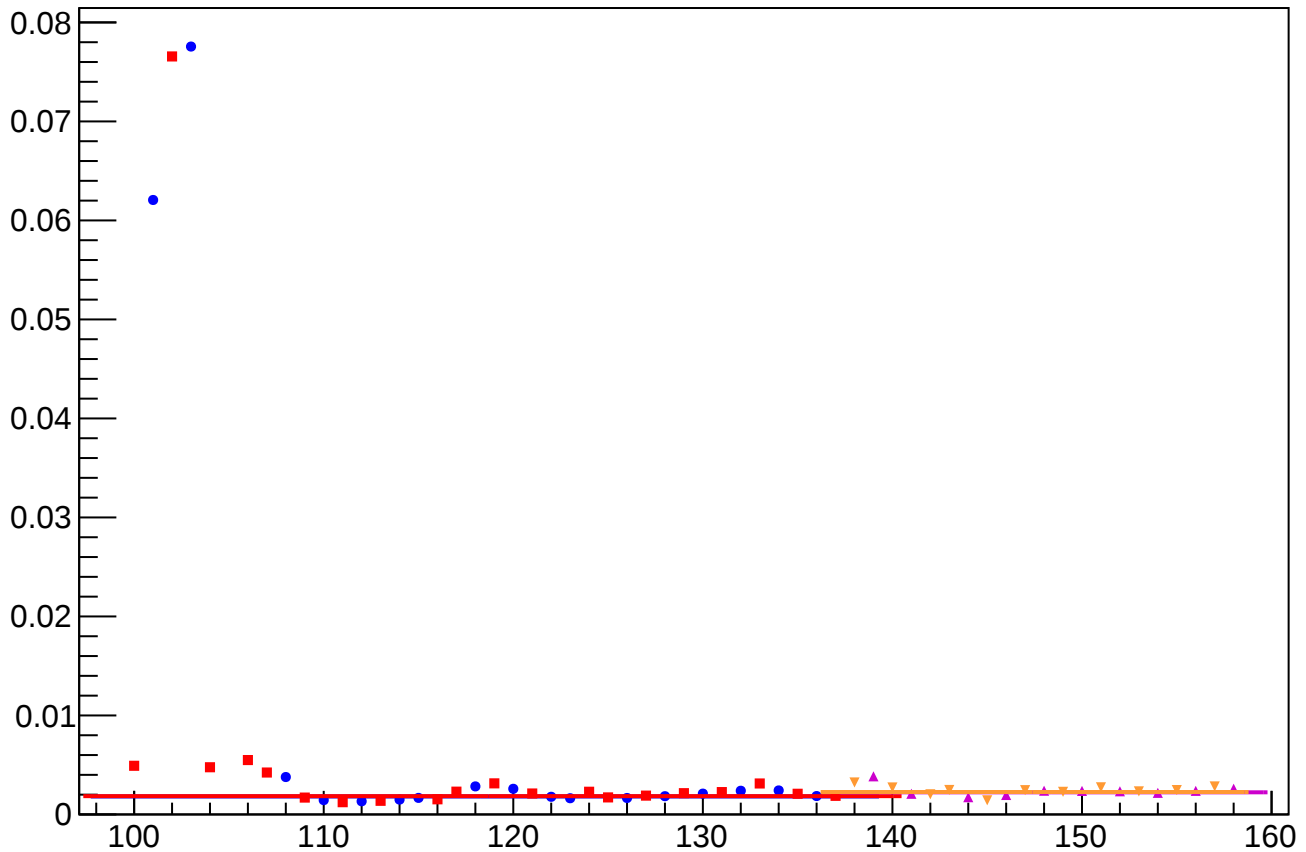
Left In: 2.619 $\pm$ 0.000 χ^2 /NDF: 3869097519.3/9

2.654 $\pm$ 0.000 χ^2 /NDF: 174949142332.3/27

2.648 $\pm$ 0.000 χ^2 /NDF: 250868896325.1/27

2.642 $\pm$ 0.000 χ^2 /NDF: 75737925937.4/29

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 2661372.0/16

Left Out: 0.002+/-0.000 χ^2/NDF : 664717.5/10

Right Out: 0.002+/-0.000 χ^2/NDF : 2334243.7/19

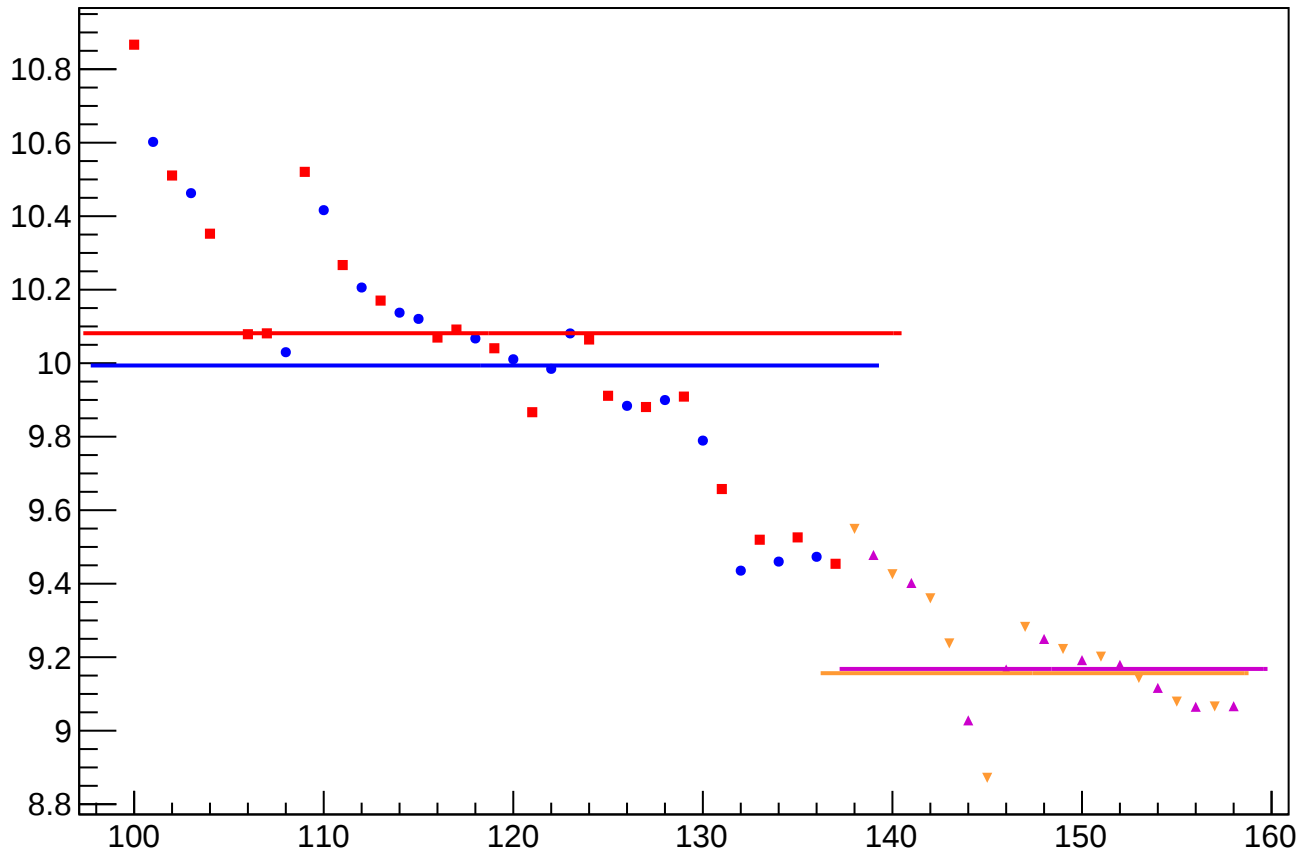
Left In: 0.002+/-0.000 χ^2/NDF : 431304.4/9

0.002+/-0.000 χ^2/NDF : 3586049.1/27

0.002+/-0.000 χ^2/NDF : 6558239.1/57

0.002+/-0.000 χ^2/NDF : 2972158.0/29

yield_sam8_mean vs Slug, Sign Corrected



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

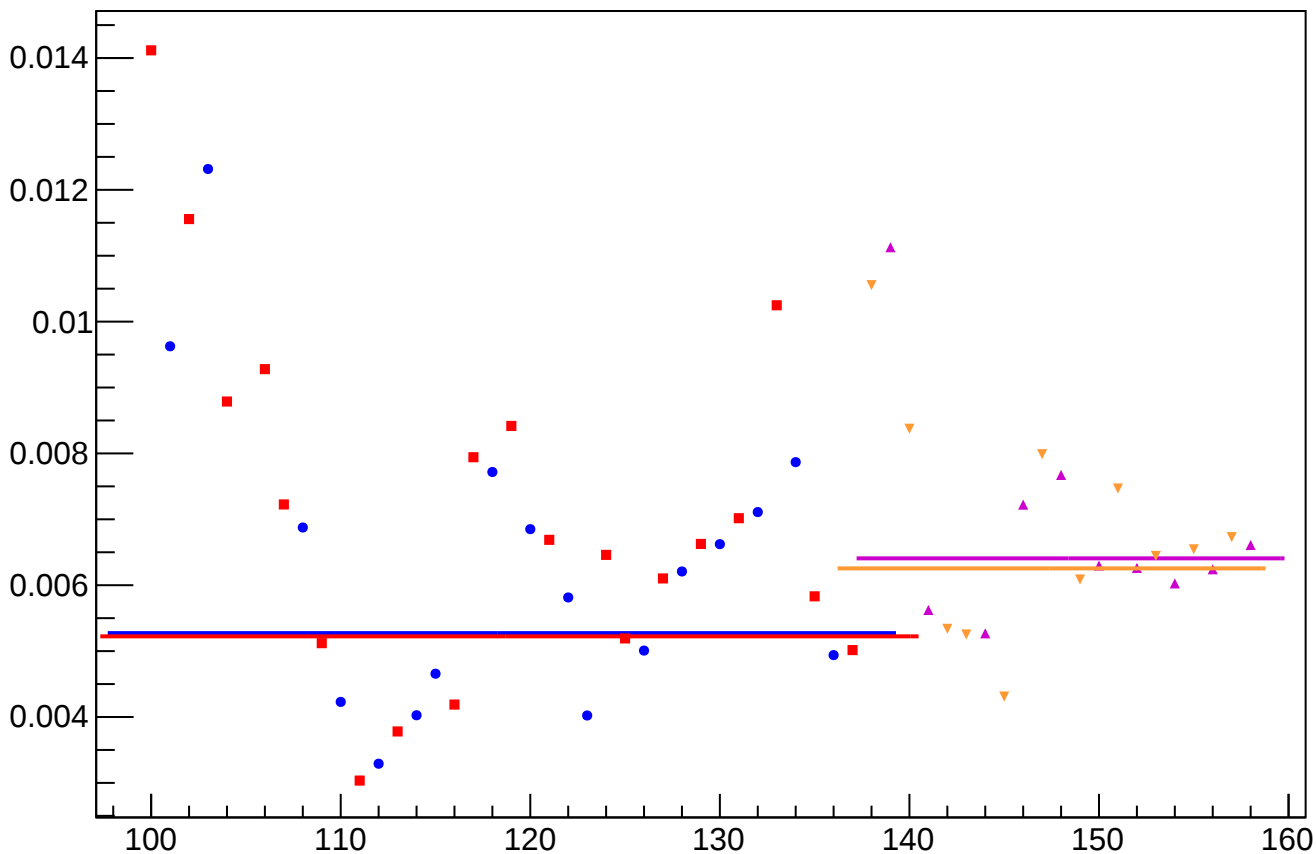
9.634+/-0.000 χ^2/NDF : 175144394530.5/27

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, Sign Corrected



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

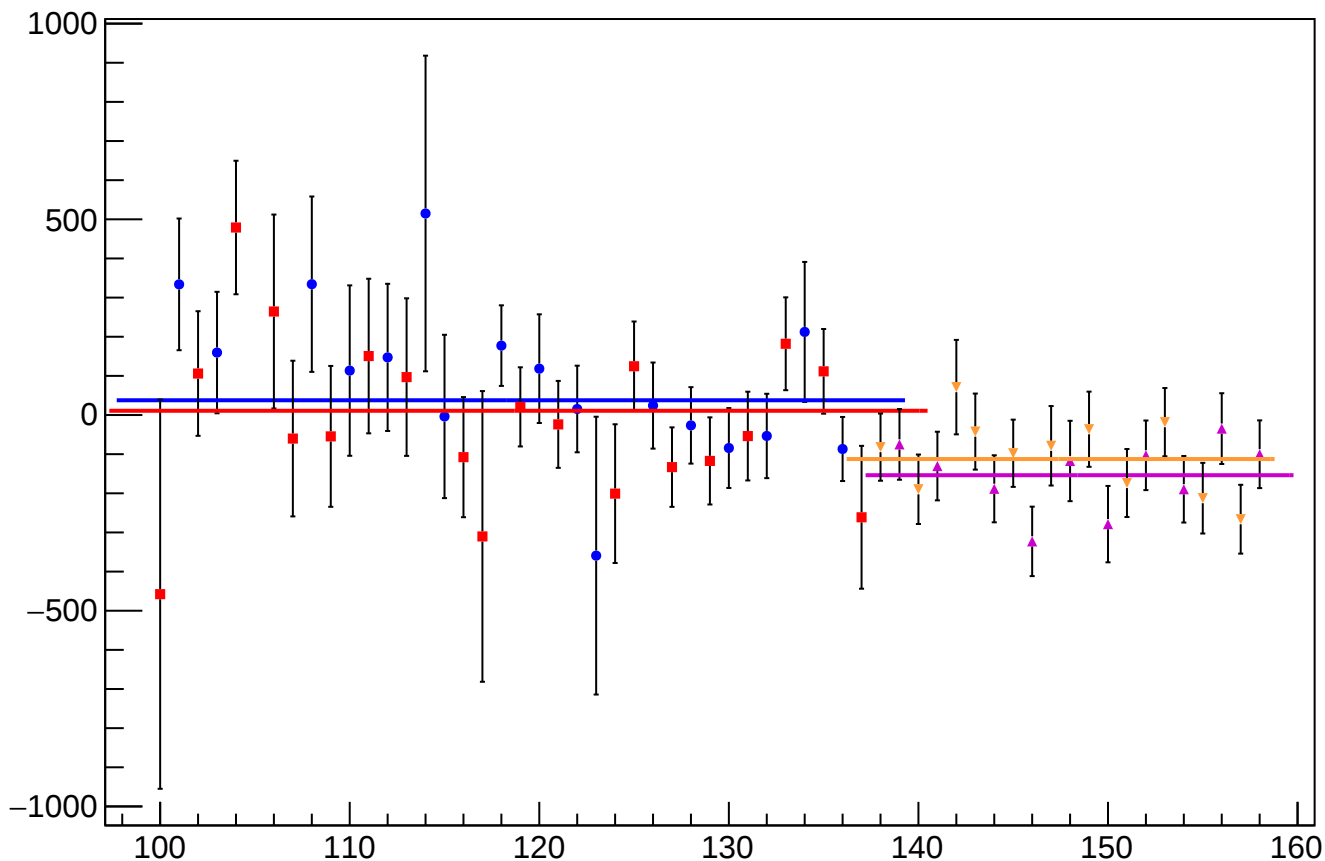
Left In: 0.006+/-0.000 χ^2/NDF : 391112.3/9

0.006+/-0.000 χ^2/NDF : 2071879.1/27

0.006+/-0.000 χ^2/NDF : 4376584.5/57

0.006+/-0.000 χ^2/NDF : 2304431.7/29

reg_asym_sam1_mean vs Slug, Sign Corrected



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

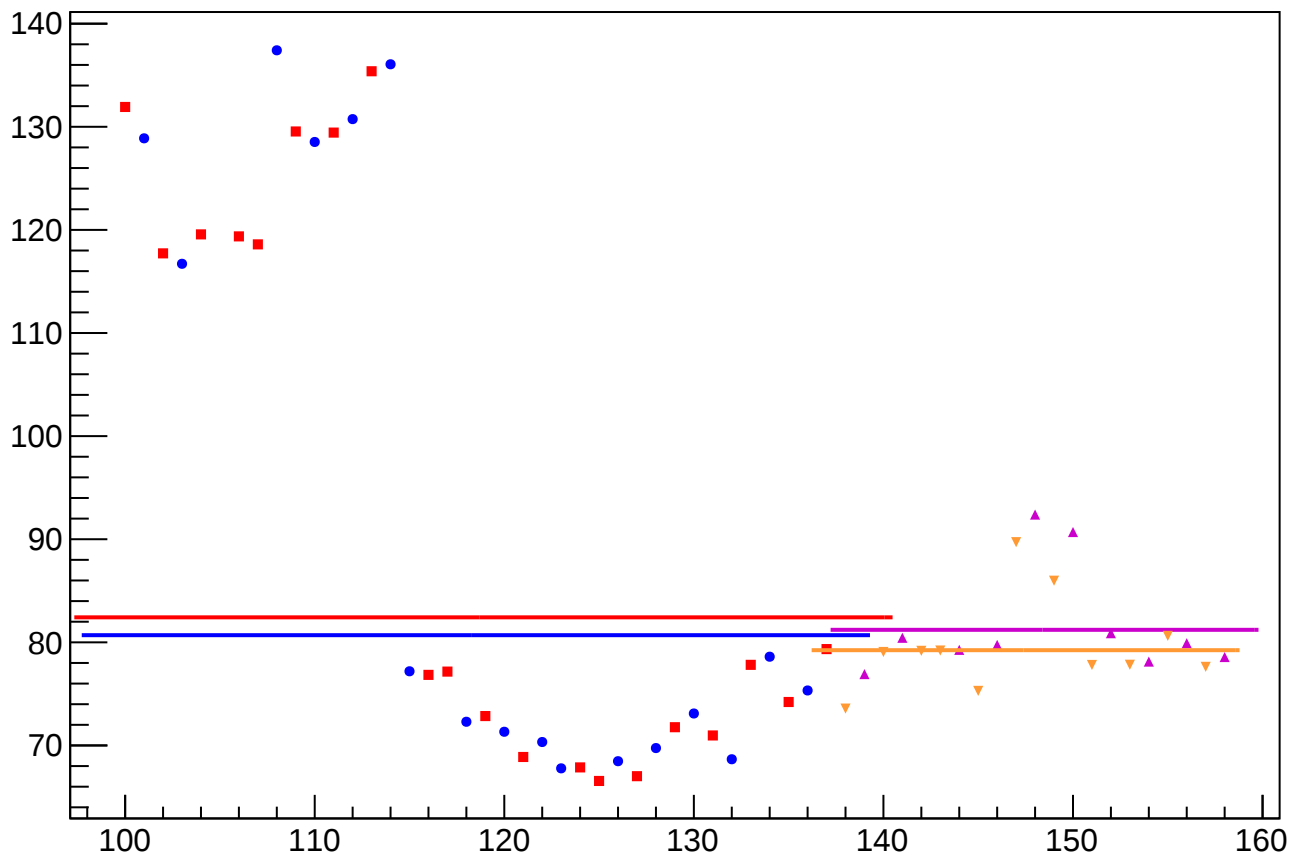
Left In: -153.760 $\pm$ 28.435 χ^2 /NDF:9.0/9

-48.462 $\pm$ 21.054 χ^2 /NDF: 39.6/27

-64.578 $\pm$ 14.953 χ^2 /NDF: 88.1/57

-80.982 $\pm$ 21.240 χ^2 /NDF: 47.3/29

reg_asym_sam1_rms vs Slug, Sign Corrected



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

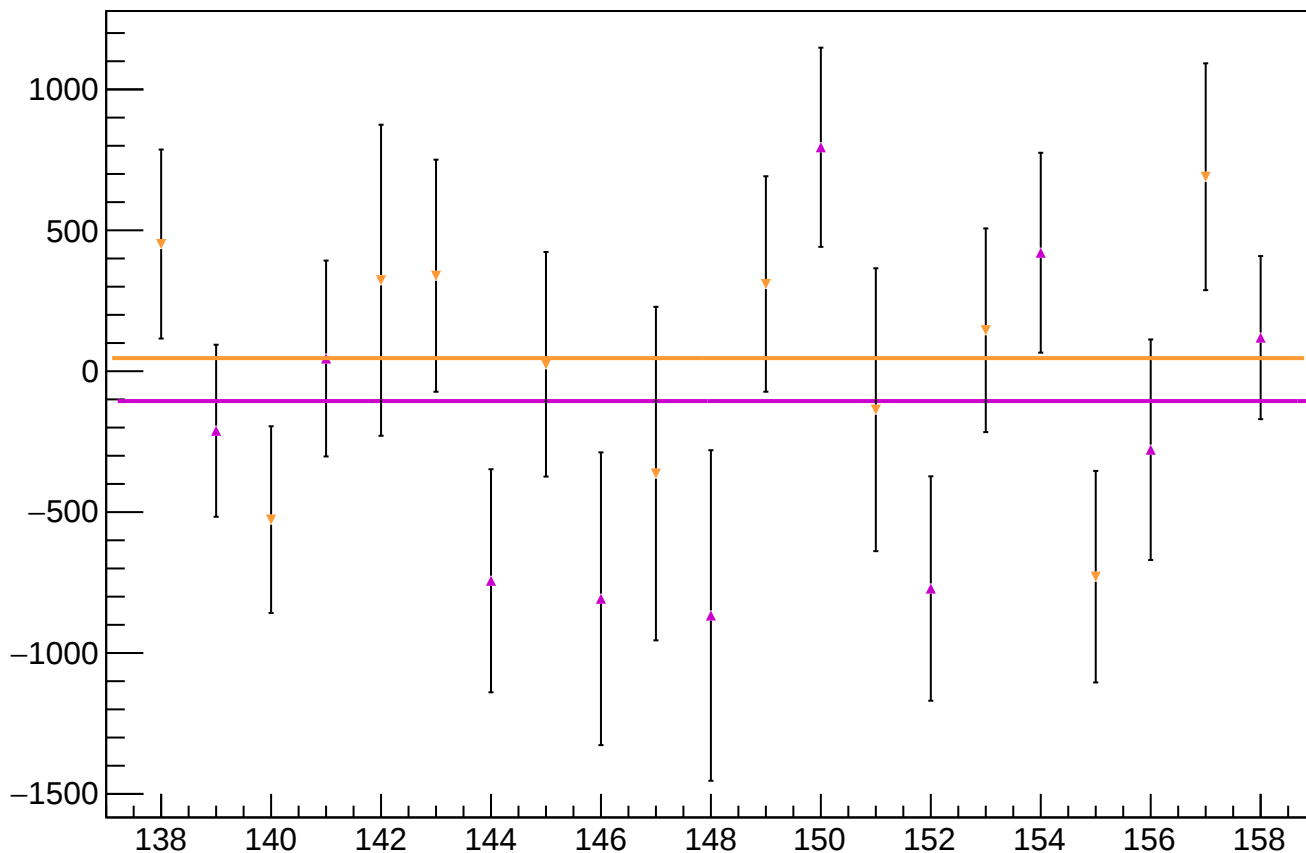
Left In: 81.214 $\pm$ 0.020 χ^2/NDF : 53775.2/9

79.859 $\pm$ 0.015 χ^2/NDF : 862670.5/27

80.796 $\pm$ 0.011 χ^2/NDF : 1841321.3/57

81.749 $\pm$ 0.015 χ^2/NDF : 970659.1/29

asym_sam1_correction_mean vs Slug, Sign Corrected



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

Left Out: 46.436+/-121.205 χ^2/NDF :13.2/10

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

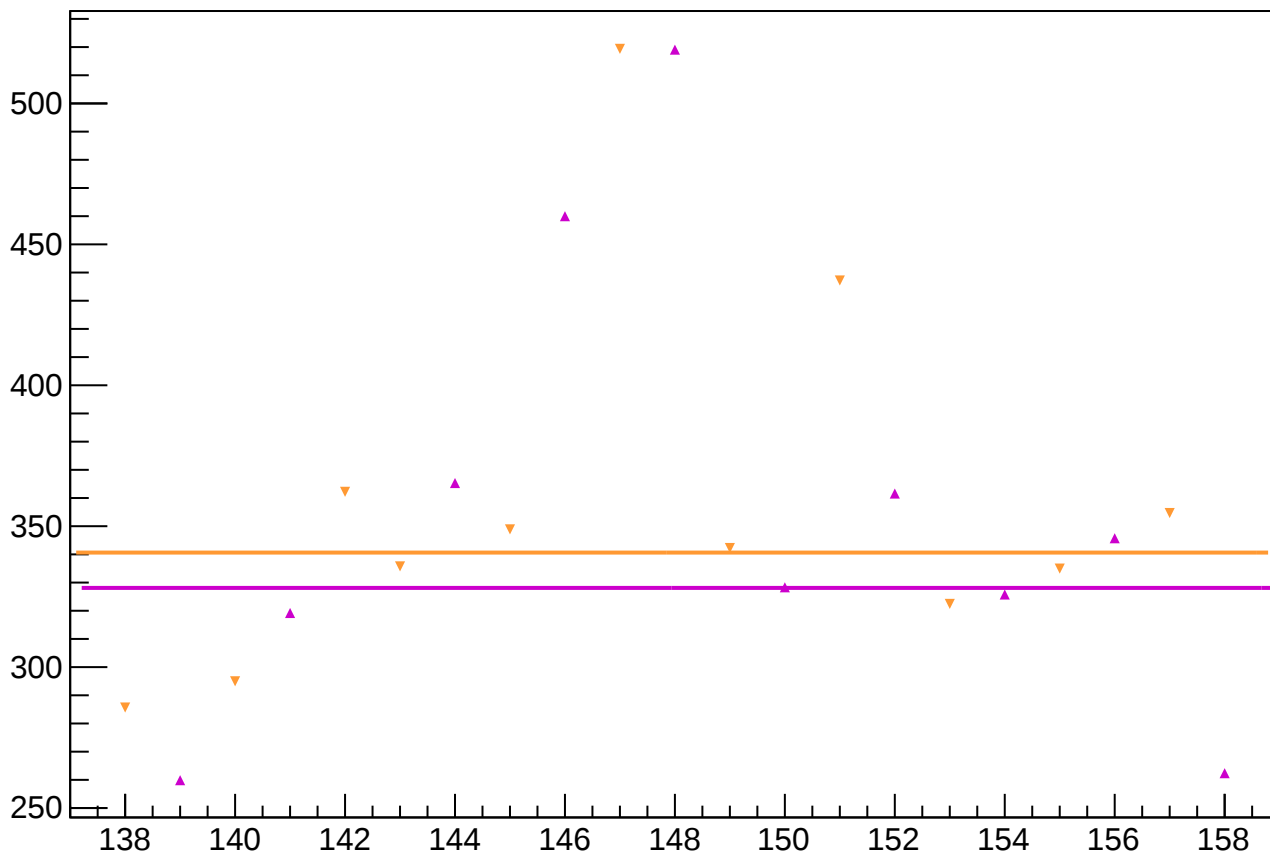
Left In: -105.952+/-117.243 χ^2/NDF :18.7/9

46.436+/-121.205 χ^2/NDF : 13.2/10

-32.290+/-84.269 χ^2/NDF : 32.7/20

-105.952+/-117.243 χ^2/NDF : 18.7/9

asym_sam1_correction_rms vs Slug, Sign Corrected



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

Left Out: 340.644+/-0.086 χ^2/NDF : 360328.5/10

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

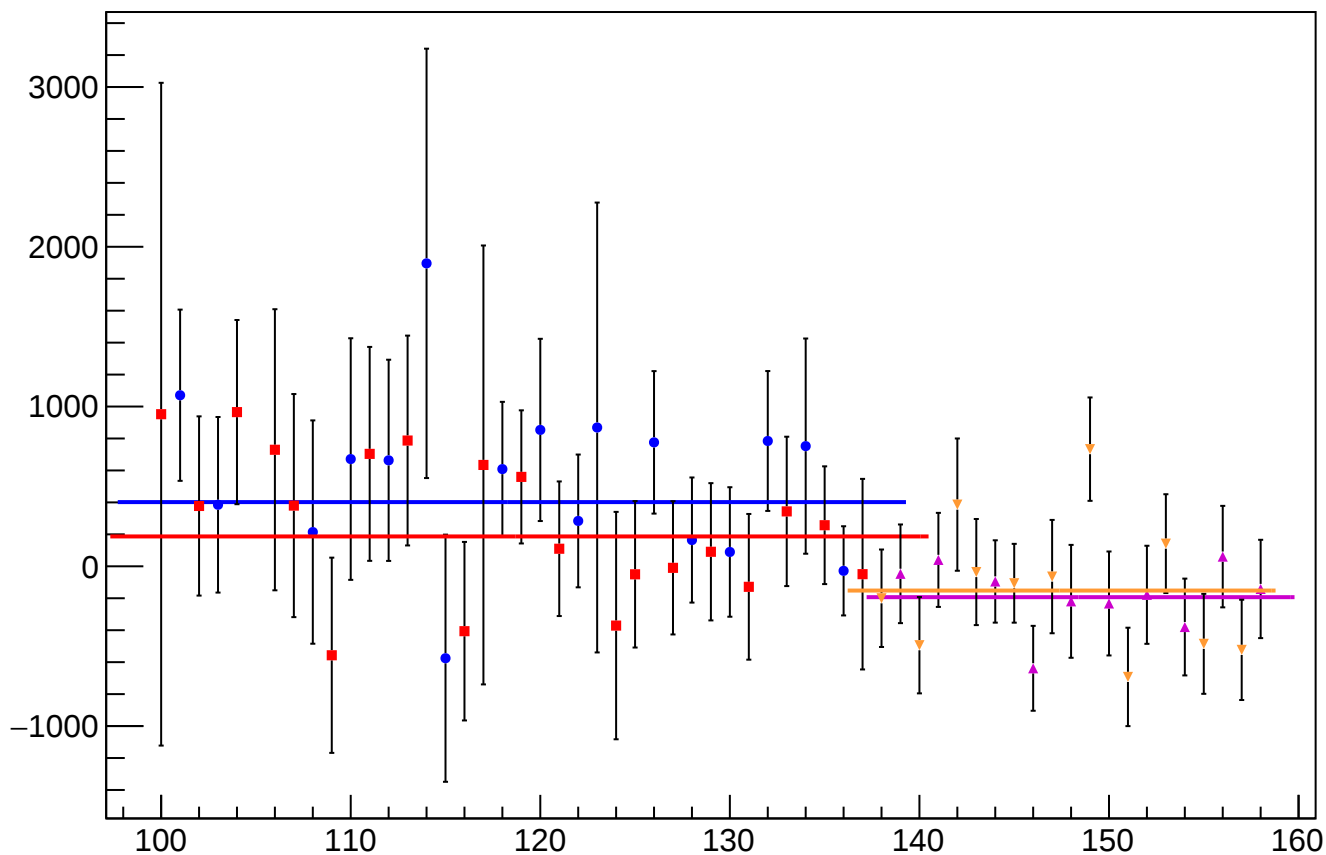
Left In: 328.106+/-0.083 χ^2/NDF : 581394.6/9

340.644+/-0.086 χ^2/NDF : 360328.5/10

334.166+/-0.060 χ^2/NDF : 952780.1/20

328.106+/-0.083 χ^2/NDF : 581394.6/9

reg_asym_sam2_mean vs Slug, Sign Corrected



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

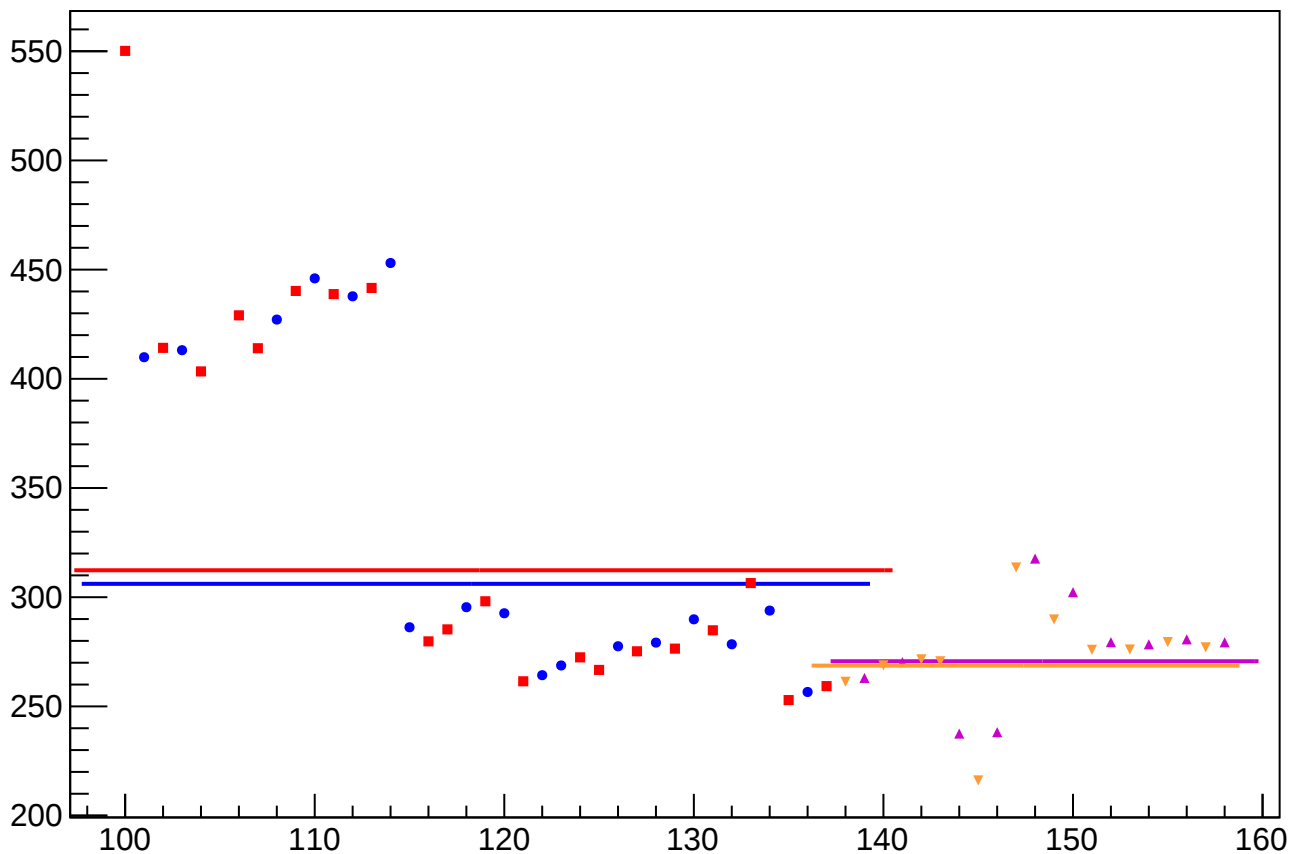
Left In: -193.191+/-95.050 χ^2/NDF : 4.9/9

57.911+/-74.495 χ^2/NDF : 41.1/27

5.710+/-52.670 χ^2/NDF : 62.6/57

-46.470+/-74.480 χ^2/NDF : 20.5/29

reg_asym_sam2_rms vs Slug, Sign Corrected



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

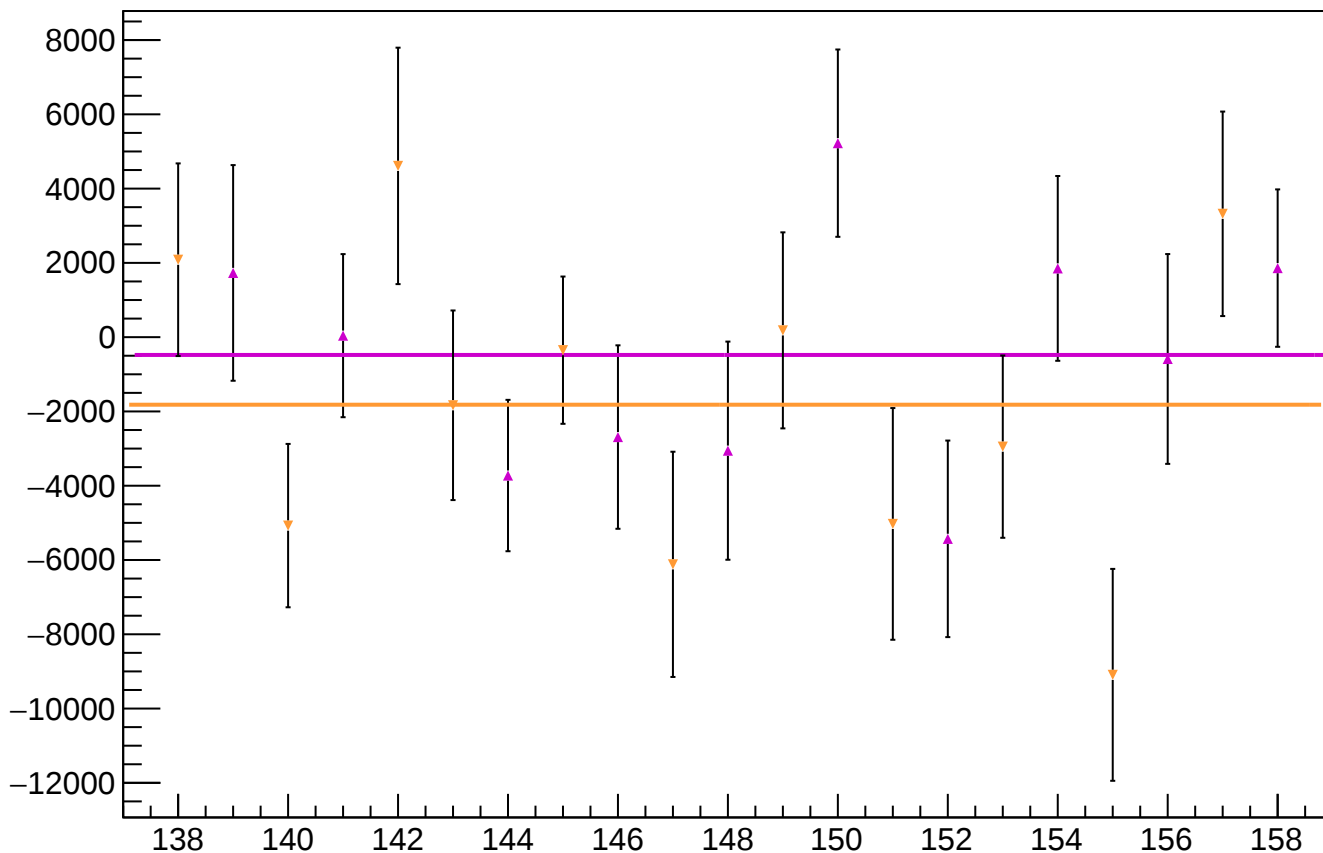
Left In: 270.681 +/- 0.067 χ^2/NDF : 124967.7/9

282.861 +/- 0.053 χ^2/NDF : 766177.6/27

284.810 +/- 0.037 χ^2/NDF : 1668698.4/57

286.759 +/- 0.053 χ^2/NDF : 899781.7/29

asym_sam2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1818.701+/-781.387 χ^2/NDF :22.9/10

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

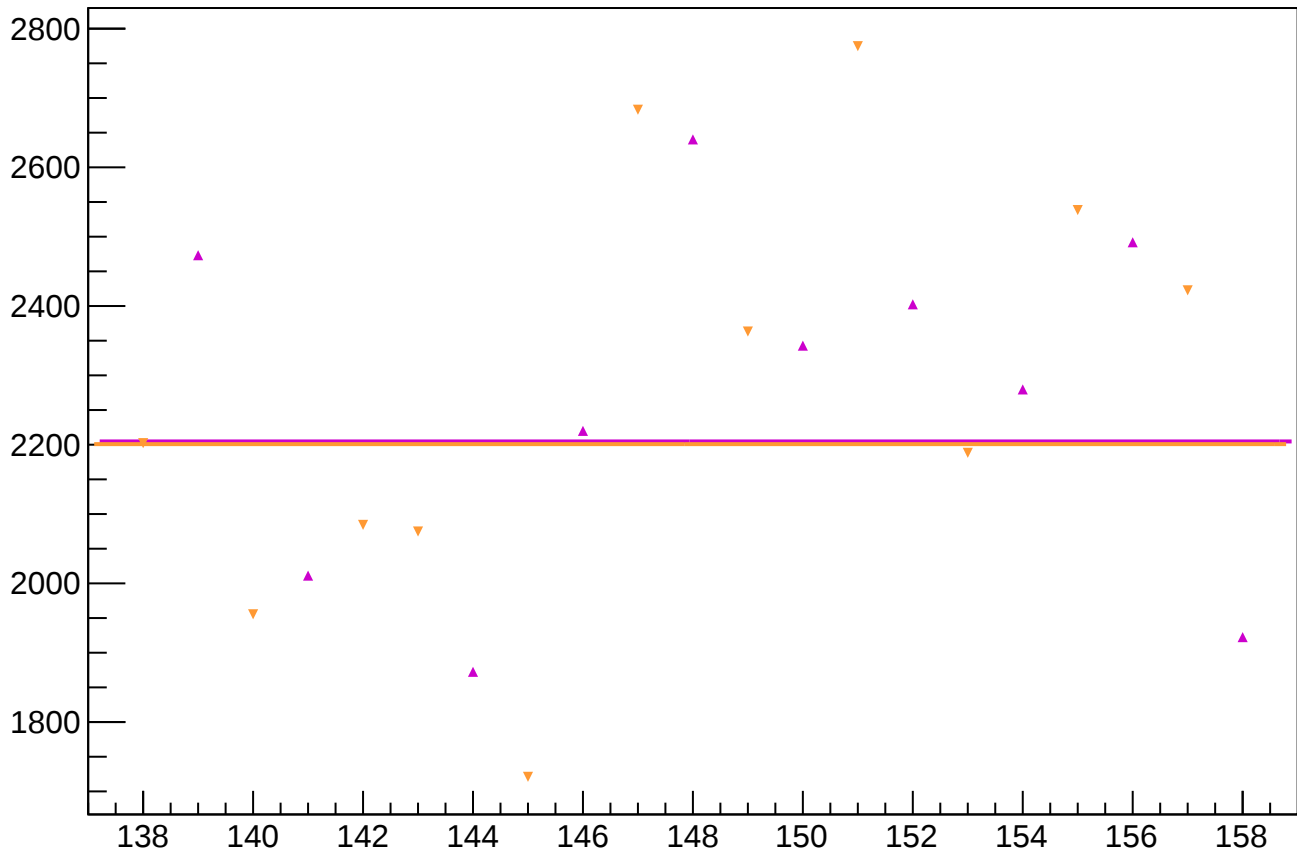
Left In: -478.999+/-777.023 χ^2/NDF :15.5/9

-1818.701+/-781.387 χ^2/NDF : 22.9/10

-1145.099+/-550.975 χ^2/NDF : 39.9/20

-478.999+/-777.023 χ^2/NDF : 15.5/9

asym_sam2_correction_rms vs Slug, Sign Corrected



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

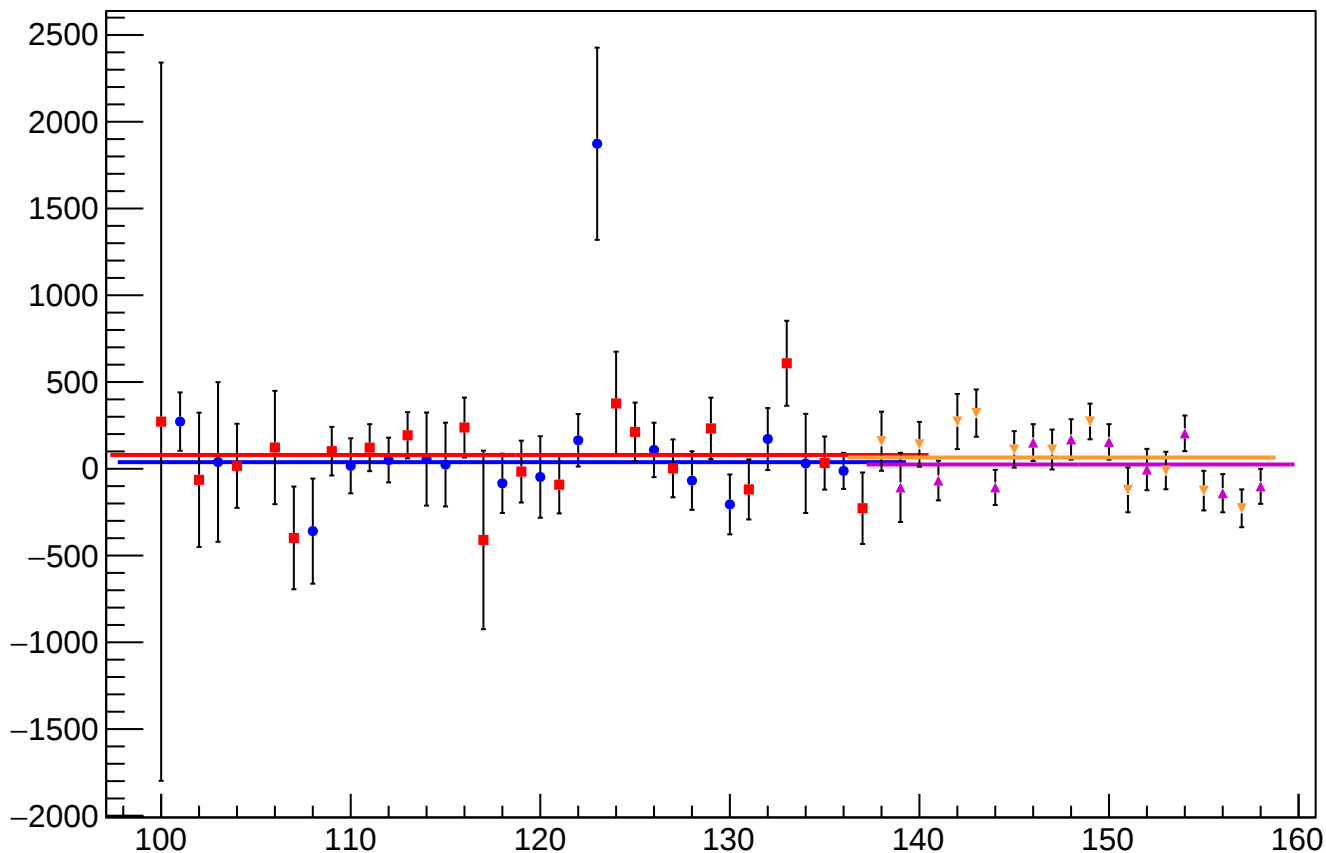
Left In: 2204.695+/-0.549 χ^2/NDF : 205009.3/9

2200.811+/-0.553 χ^2/NDF : 316455.2/10

2202.764+/-0.390 χ^2/NDF : 521489.3/20

2204.695+/-0.549 χ^2/NDF : 205009.3/9

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 38.126 $\pm$ 43.548 χ^2/NDF : 19.4/16

Left Out: 65.265 $\pm$ 36.389 χ^2/NDF : 22.9/10

Right Out: 79.665 $\pm$ 42.948 χ^2/NDF : 17.6/19

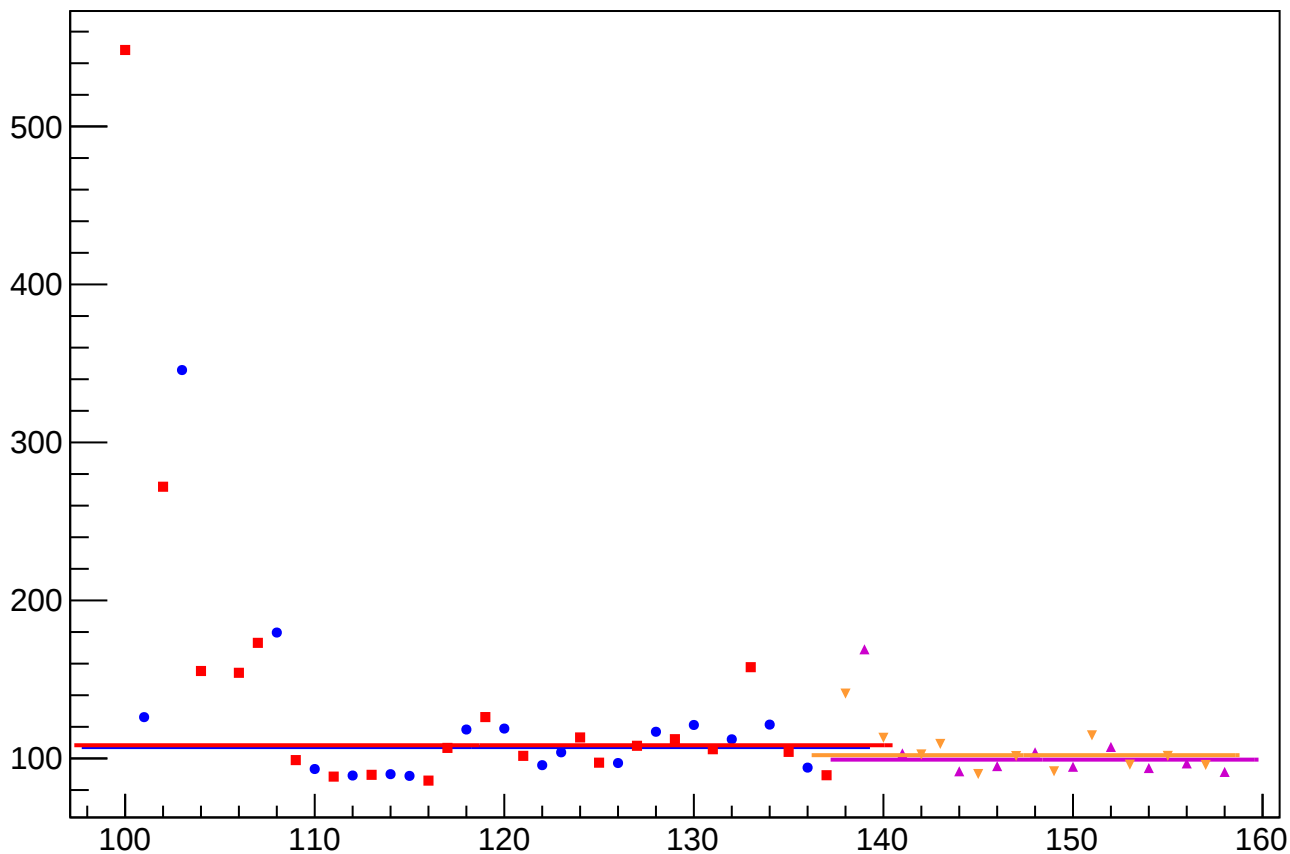
Left In: 24.852 $\pm$ 35.283 χ^2/NDF : 14.3/9

54.106 $\pm$ 27.924 χ^2/NDF : 42.5/27

50.437 $\pm$ 19.507 χ^2/NDF : 75.4/57

46.939 $\pm$ 27.262 χ^2/NDF : 32.9/29

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 107.189 $\pm$ 0.031 $\chi^2/\text{NDF}: 843115.1/16$

Left Out: 102.066 $\pm$ 0.026 $\chi^2/\text{NDF}: 201905.8/10$

Right Out: 108.347 $\pm$ 0.030 $\chi^2/\text{NDF}: 917309.2/19$

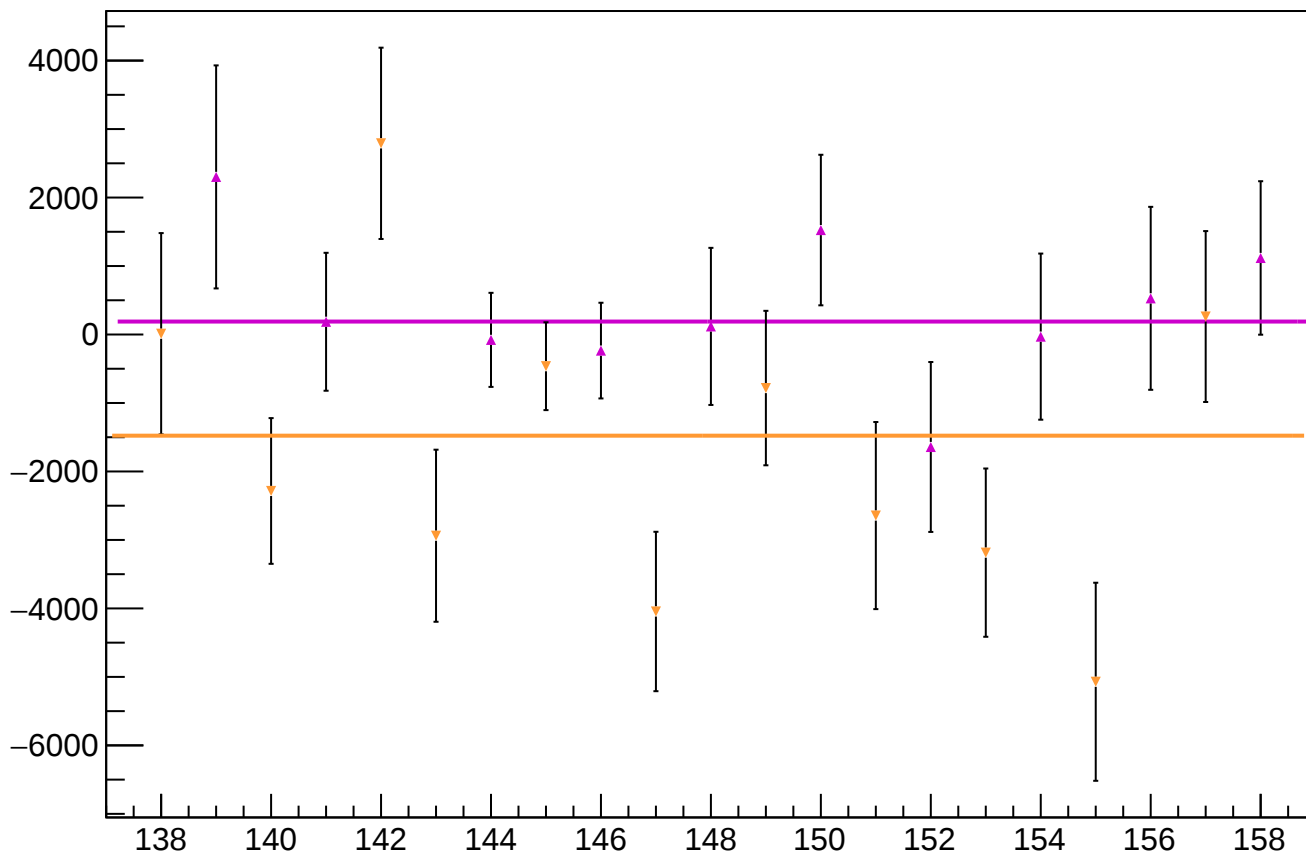
Left In: 99.236 $\pm$ 0.025 $\chi^2/\text{NDF}: 295880.7/9$

104.172 $\pm$ 0.020 $\chi^2/\text{NDF}: 1061321.3/27$

103.525 $\pm$ 0.014 $\chi^2/\text{NDF}: 2330348.0/57$

102.907 $\pm$ 0.019 $\chi^2/\text{NDF}: 1266926.5/29$

asym_sam3_correction_mean vs Slug, Sign Corrected



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

Left Out: -1477.362+/-337.718 χ^2/NDF : 30.8/10

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

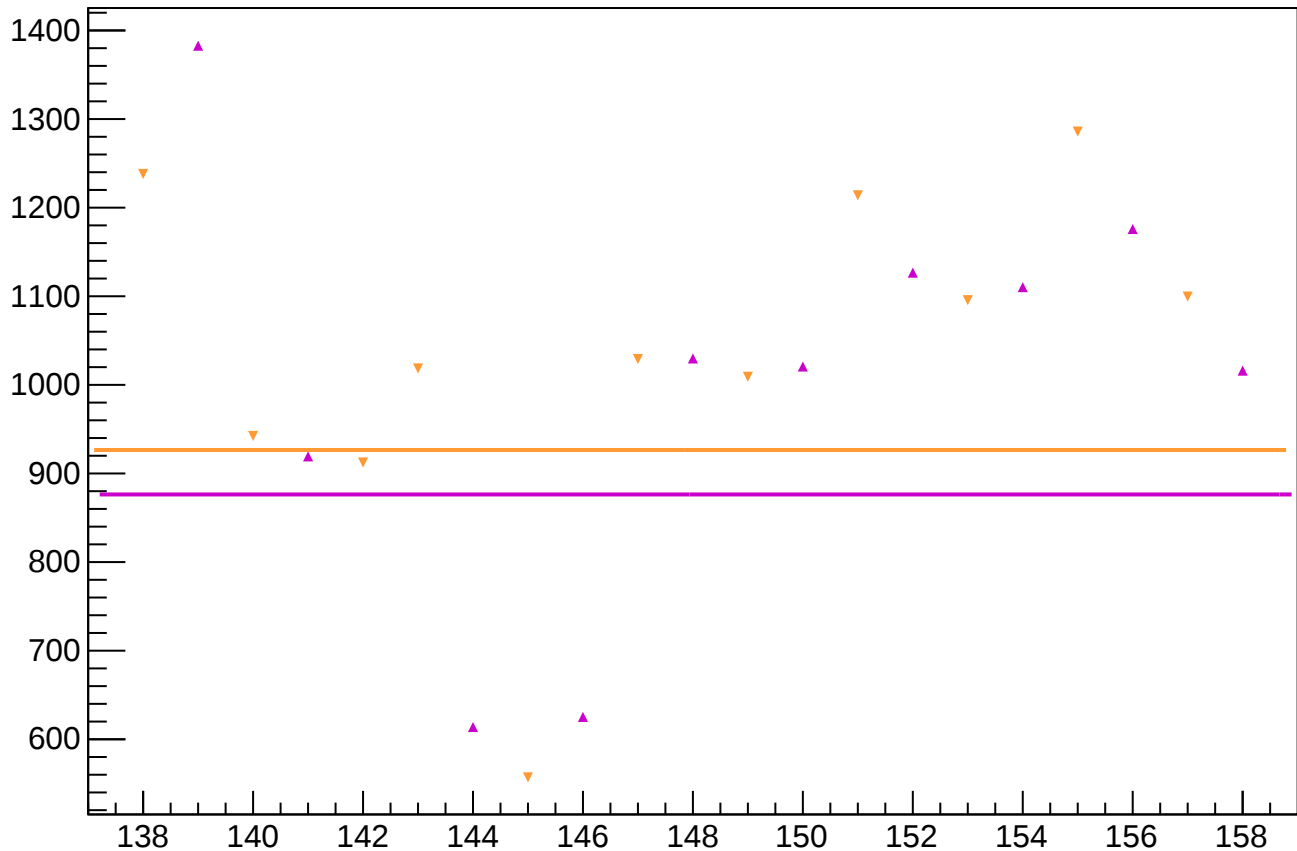
Left In: 189.102+/-319.360 χ^2/NDF : 6.6/9

-1477.362+/-337.718 χ^2/NDF : 30.8/10

-597.607+/-232.040 χ^2/NDF : 50.3/20

189.102+/-319.360 χ^2/NDF : 6.6/9

asym_sam3_correction_rms vs Slug, Sign Corrected



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

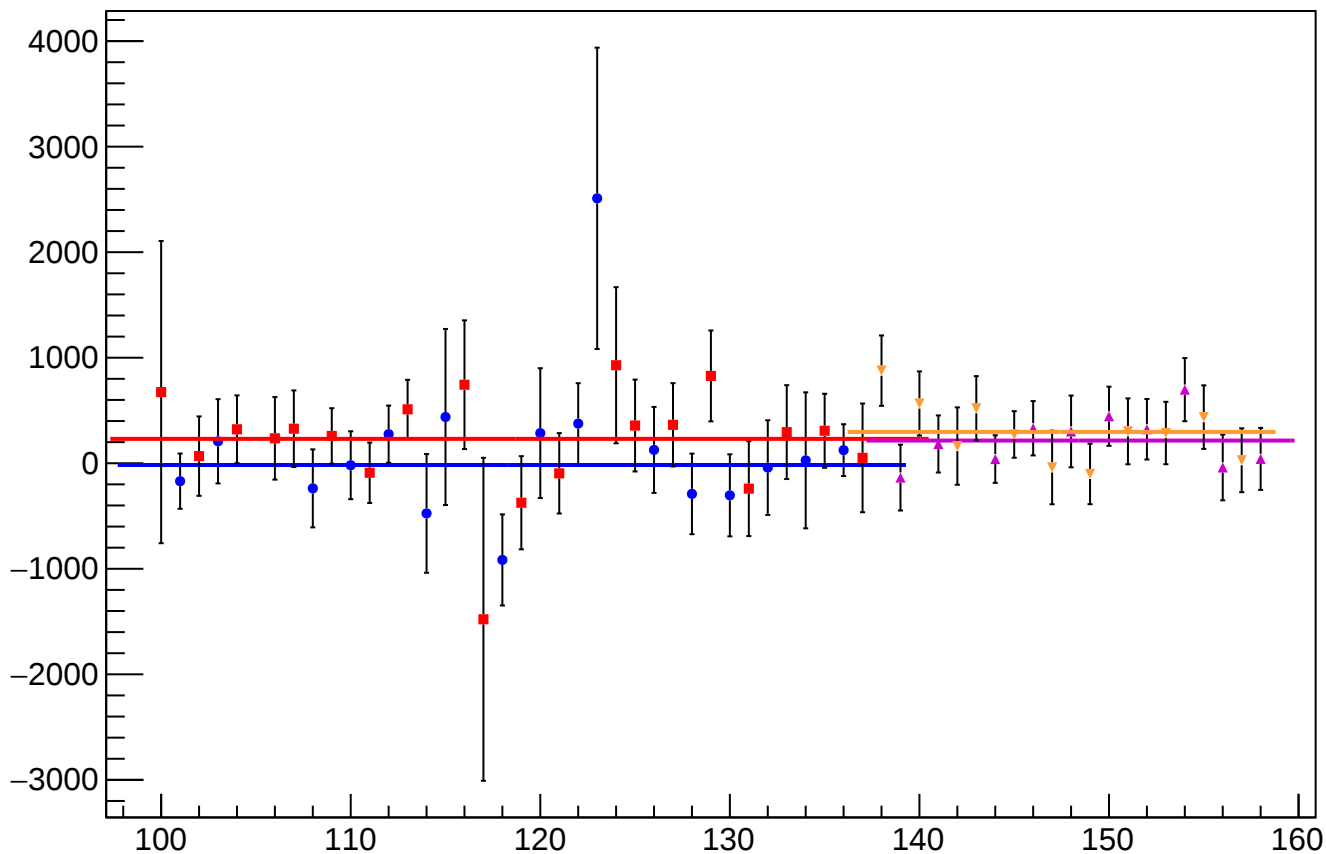
Left In: 876.316+/-0.226 χ^2/NDF :1105287.0/9

926.514+/-0.239 χ^2/NDF : 1080230.9/10

900.013+/-0.164 χ^2/NDF : 2208844.9/20

876.316+/-0.226 χ^2/NDF : 1105287.0/9

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -16.459 ± 93.285 χ^2/NDF : 13.4/16

Left Out: 296.852 ± 90.308 χ^2/NDF : 8.4/10

Right Out: 231.209 ± 88.787 χ^2/NDF : 11.6/19

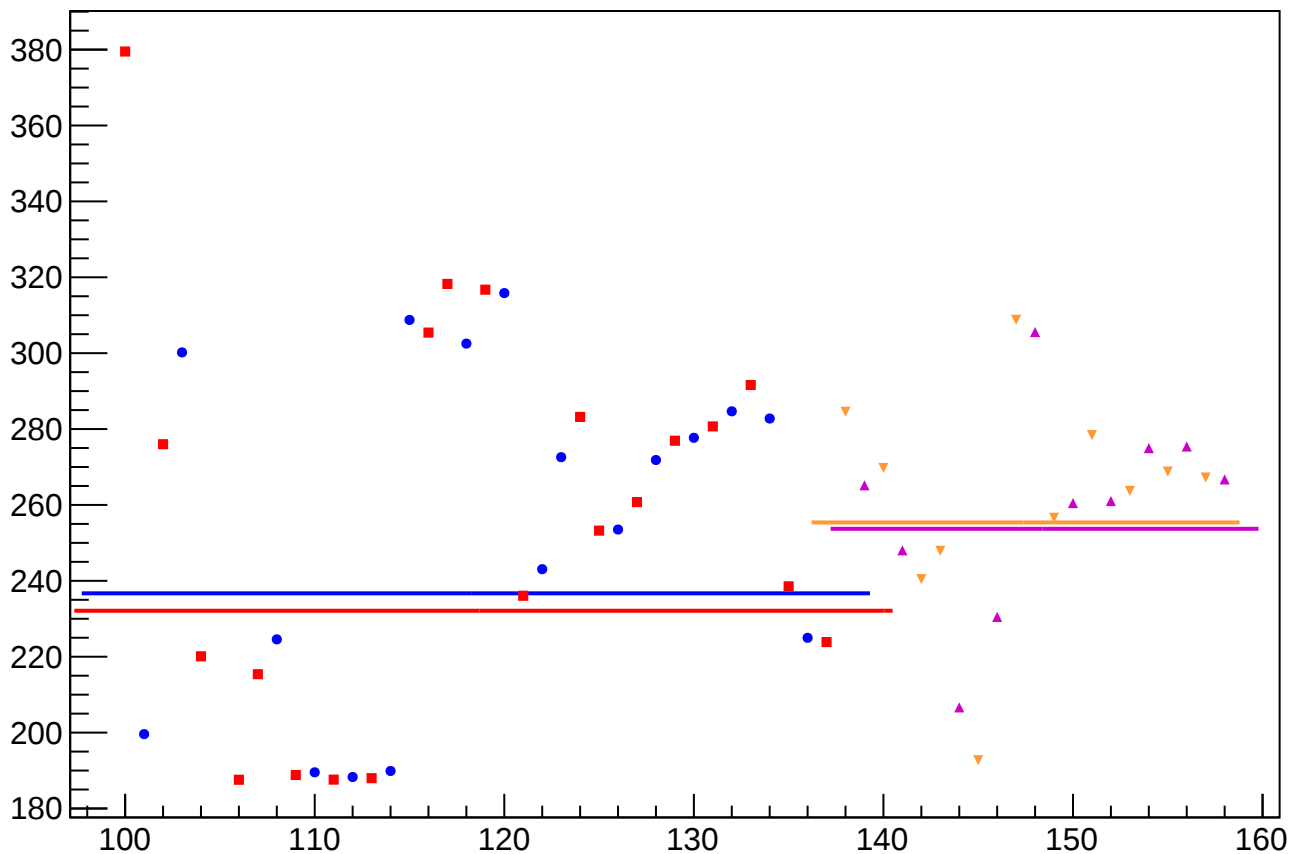
Left In: 215.035 ± 89.329 χ^2/NDF : 6.6/9

145.274 ± 64.884 χ^2/NDF : 27.6/27

185.387 ± 45.189 χ^2/NDF : 46.6/57

223.171 ± 62.973 χ^2/NDF : 18.2/29

reg_asym_sam4_rms vs Slug, Sign Corrected



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

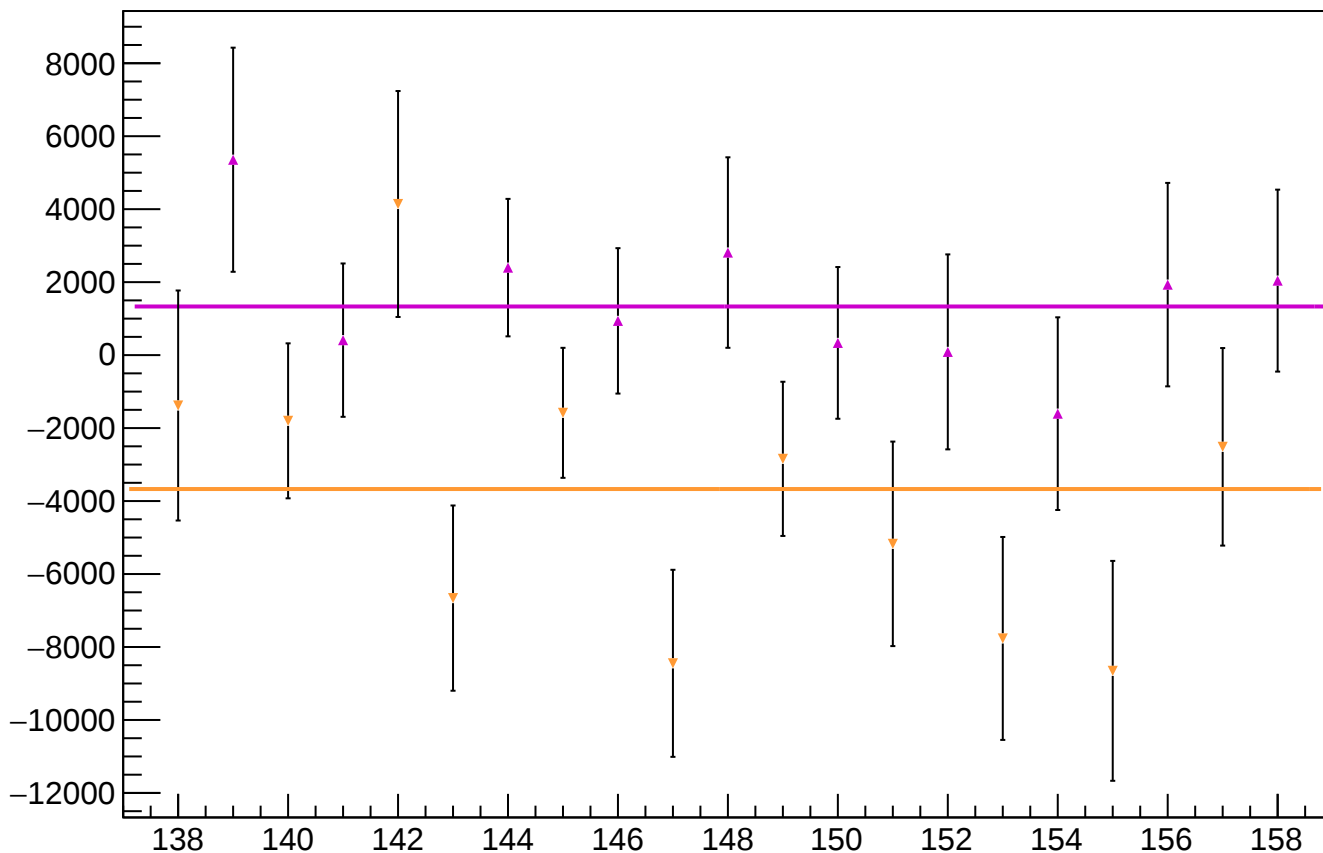
Left In: 253.710+/-0.063 χ^2/NDF : 179766.7/9

246.350+/-0.046 χ^2/NDF : 683758.7/27

244.547+/-0.032 χ^2/NDF : 1374931.6/57

242.849+/-0.045 χ^2/NDF : 688173.6/29

asym_sam4_correction_mean vs Slug, Sign Corrected



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

Left Out: -3670.385+/-750.334 χ^2/NDF :19.4/10

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

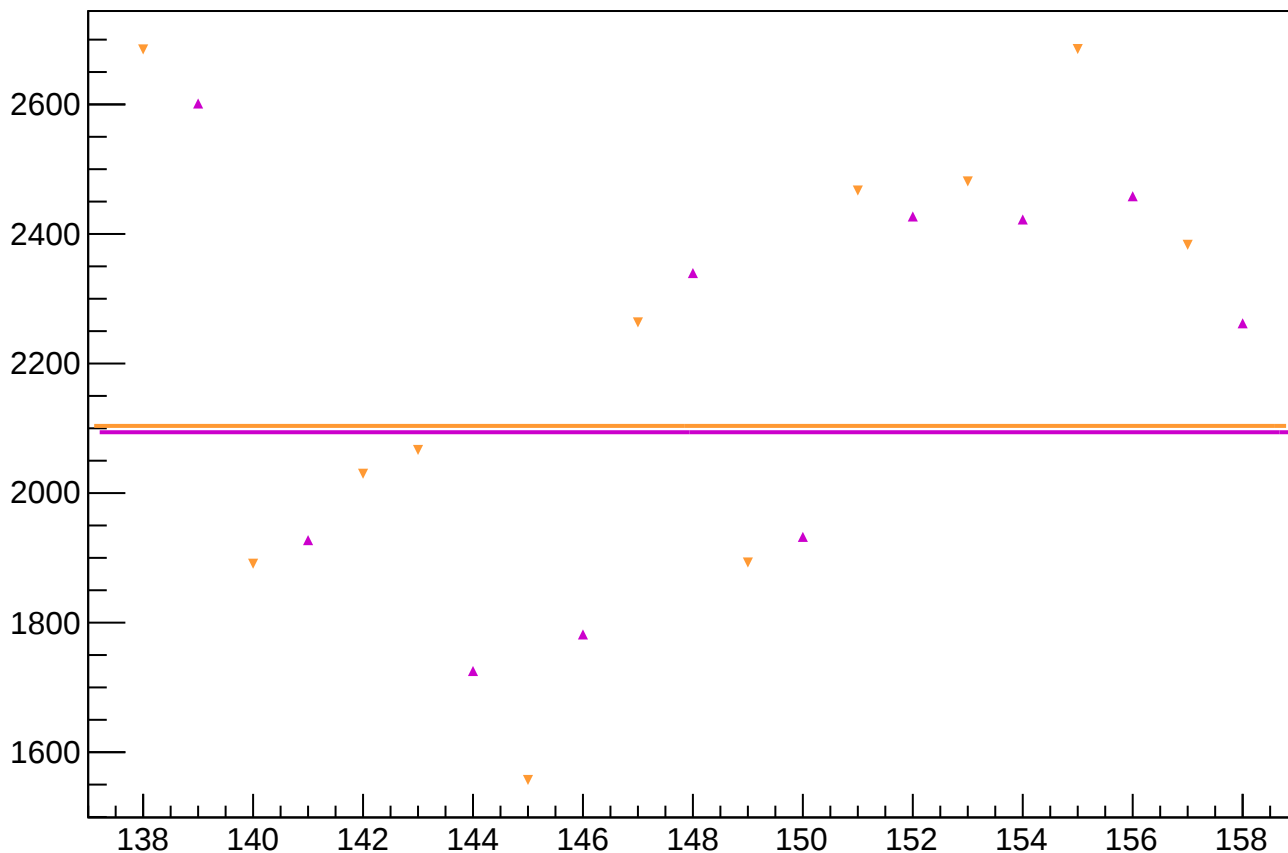
Left In: 1332.764+/-741.850 χ^2/NDF :4.4/9

-3670.385+/-750.334 χ^2/NDF : 19.4/10

-1140.365+/-527.541 χ^2/NDF : 46.3/20

1332.764+/-741.850 χ^2/NDF : 4.4/9

asym_sam4_correction_rms vs Slug, Sign Corrected



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

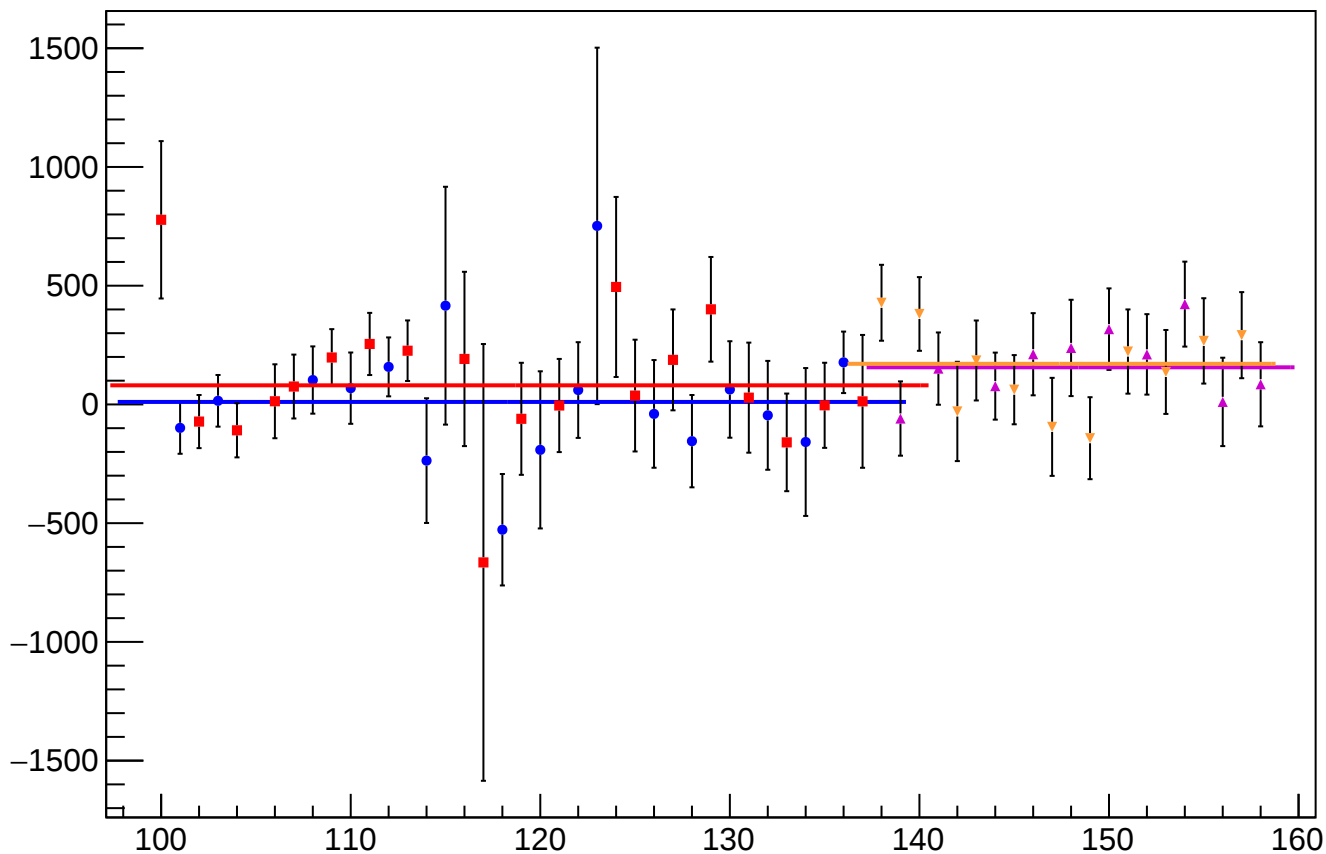
Left In: 2093.934+/-0.525 χ^2/NDF : 327859.6/9

2103.708+/-0.531 χ^2/NDF : 471873.2/10

2098.766+/-0.373 χ^2/NDF : 799904.4/20

2093.934+/-0.525 χ^2/NDF : 327859.6/9

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 10.530 $\pm$ 42.294 χ^2/NDF : 14.1/16

Left Out: 171.082 $\pm$ 52.116 χ^2/NDF : 11.7/10

Right Out: 80.462 $\pm$ 38.950 χ^2/NDF : 19.9/19

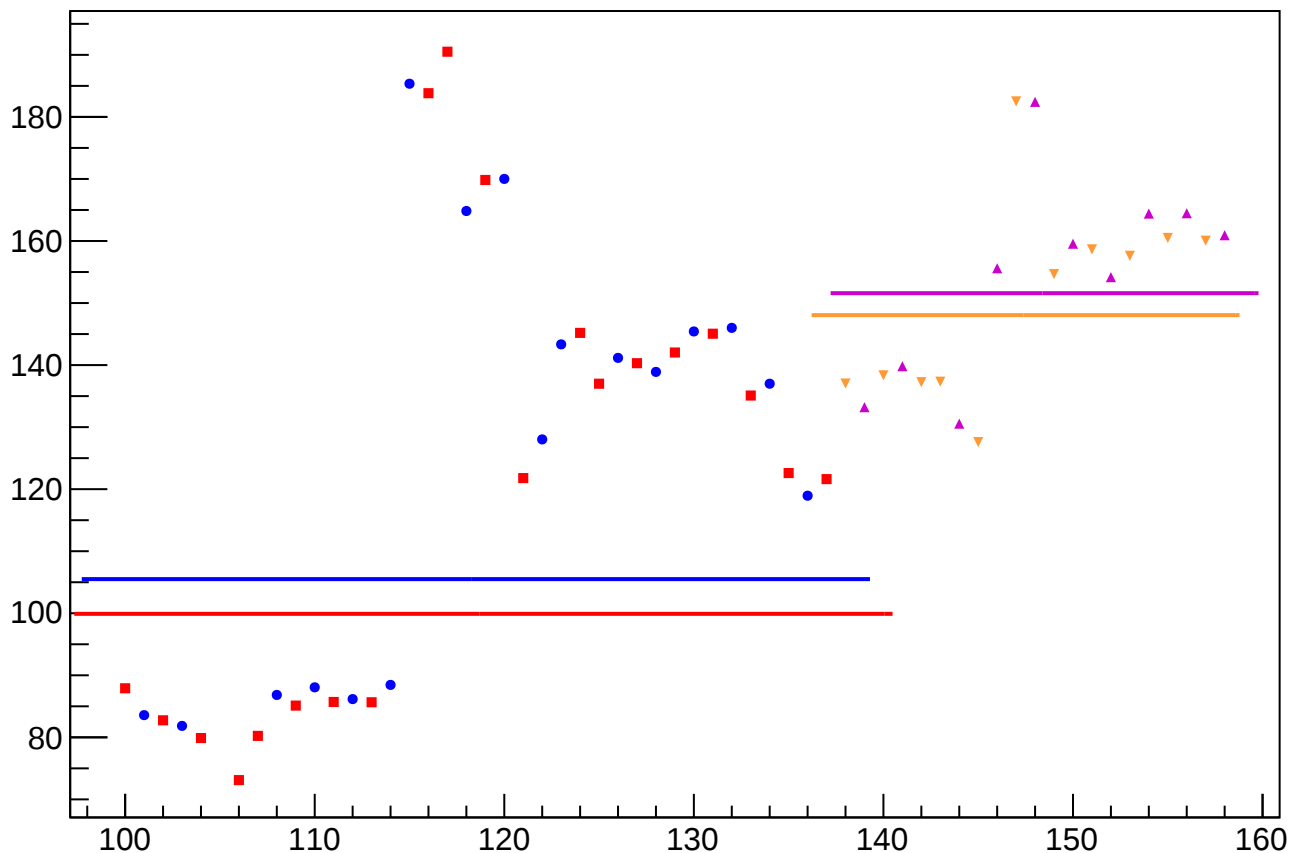
Left In: 156.261 $\pm$ 53.245 χ^2/NDF : 6.4/9

74.282 $\pm$ 32.841 χ^2/NDF : 31.5/27

91.295 $\pm$ 22.709 χ^2/NDF : 59.6/57

106.884 $\pm$ 31.437 χ^2/NDF : 27.6/29

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 105.503±/0.030 χ^2/NDF : 869022.6/16

Left Out: 148.054±/0.037 χ^2/NDF :160272.9/10

Right Out: 99.907±/0.028 χ^2/NDF : 1019545.3/19

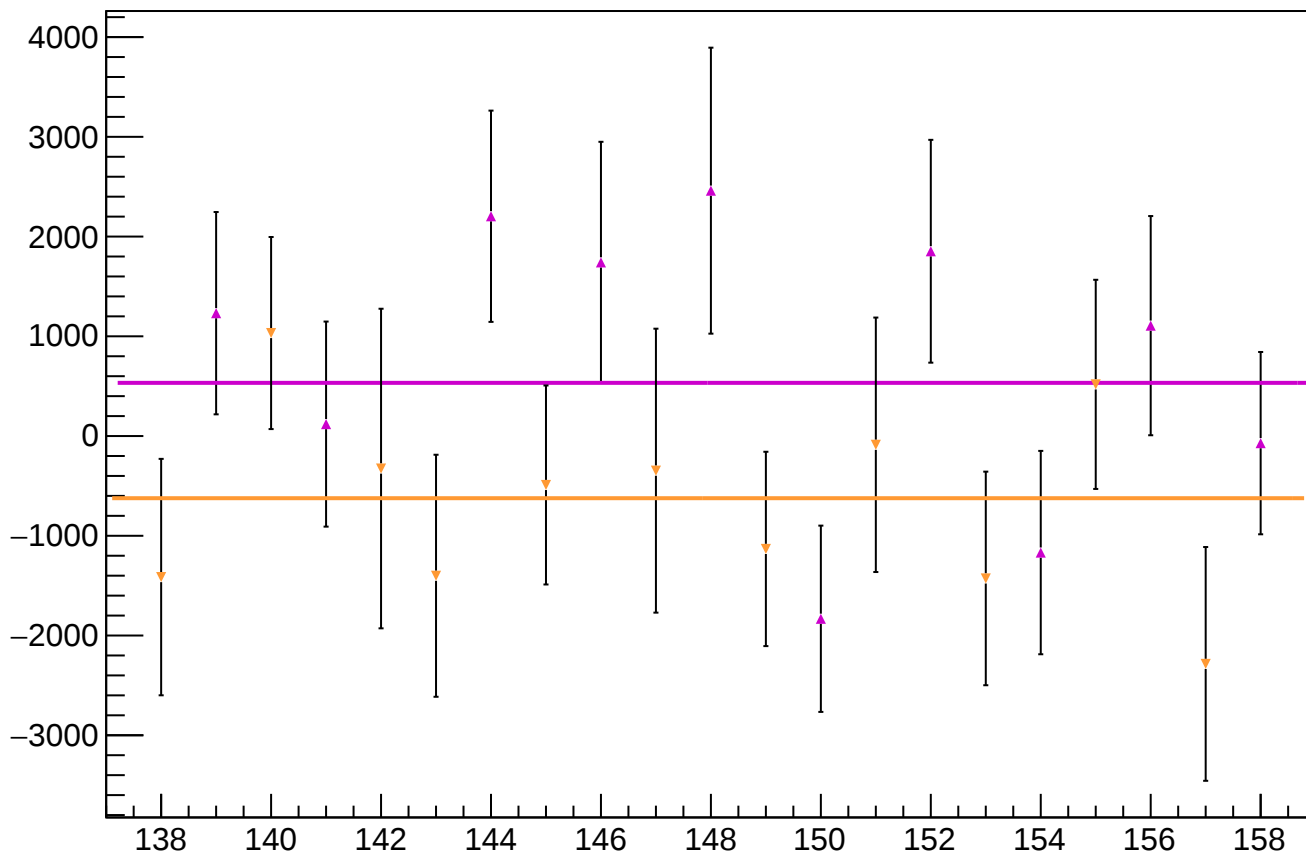
Left In: 151.590±/0.038 χ^2/NDF :161514.6/9

122.399±/0.023 χ^2/NDF : 1833138.1/27

120.063±/0.016 χ^2/NDF : 4261081.4/57

117.923±/0.022 χ^2/NDF : 2408554.4/29

asym_sam5_correction_mean vs Slug, Sign Corrected



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

Left Out: -623.210+/-342.278 χ^2/NDF : 8.1/10

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

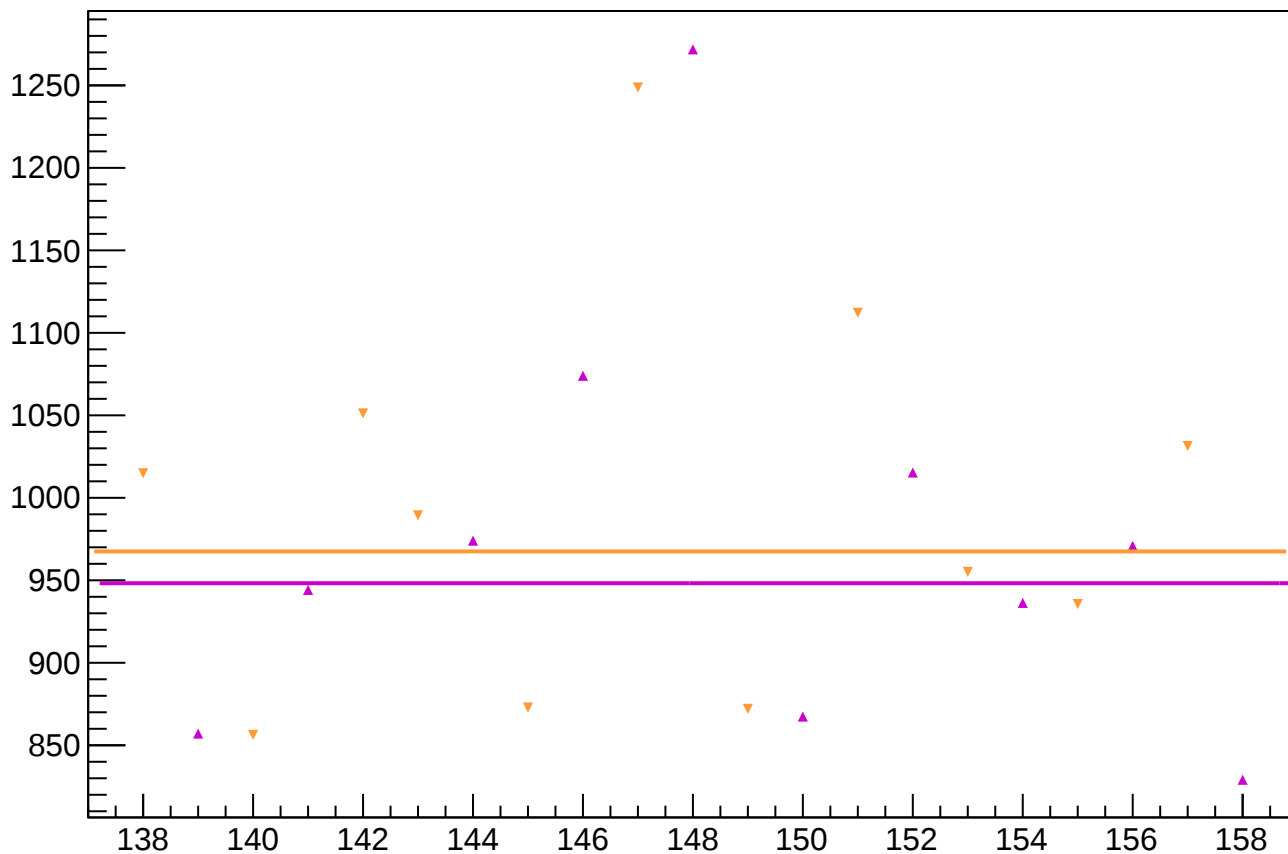
Left In: 533.329+/-334.895 χ^2/NDF : 17.2/9

-623.210+/-342.278 χ^2/NDF : 8.1/10

-32.333+/-239.374 χ^2/NDF : 31.2/20

533.329+/-334.895 χ^2/NDF : 17.2/9

asym_sam5_correction_rms vs Slug, Sign Corrected



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

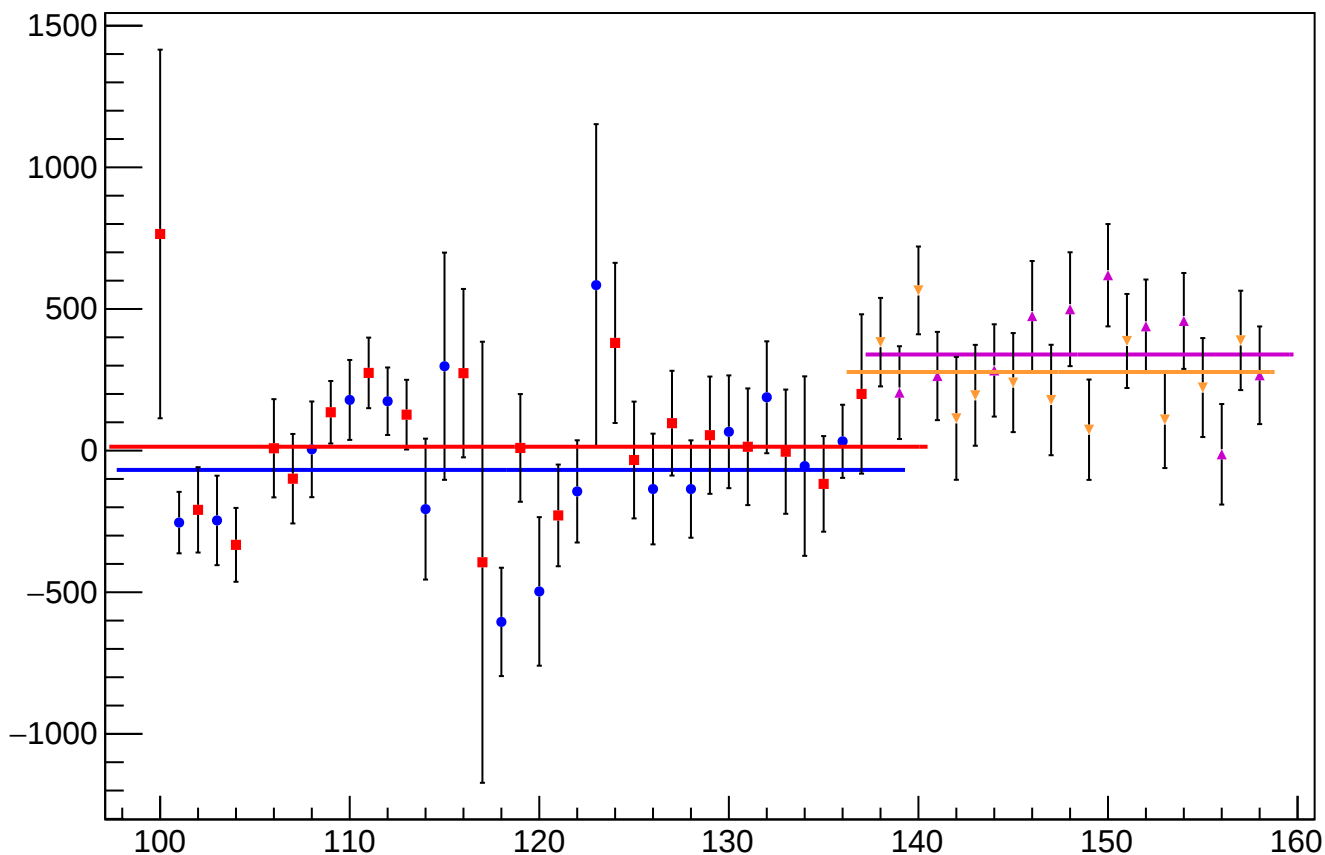
Left In: 948.221+/-0.237 χ^2/NDF : 198184.3/9

967.497+/-0.242 χ^2/NDF : 185007.5/10

957.649+/-0.169 χ^2/NDF : 386432.6/20

948.221+/-0.237 χ^2/NDF : 198184.3/9

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -68.111 ± 42.265 $\chi^2/\text{NDF}: 27.8/16$

Left Out: 277.566 ± 52.560 $\chi^2/\text{NDF}: 8.2/10$

Right Out: 13.752 ± 39.416 $\chi^2/\text{NDF}: 23.4/19$

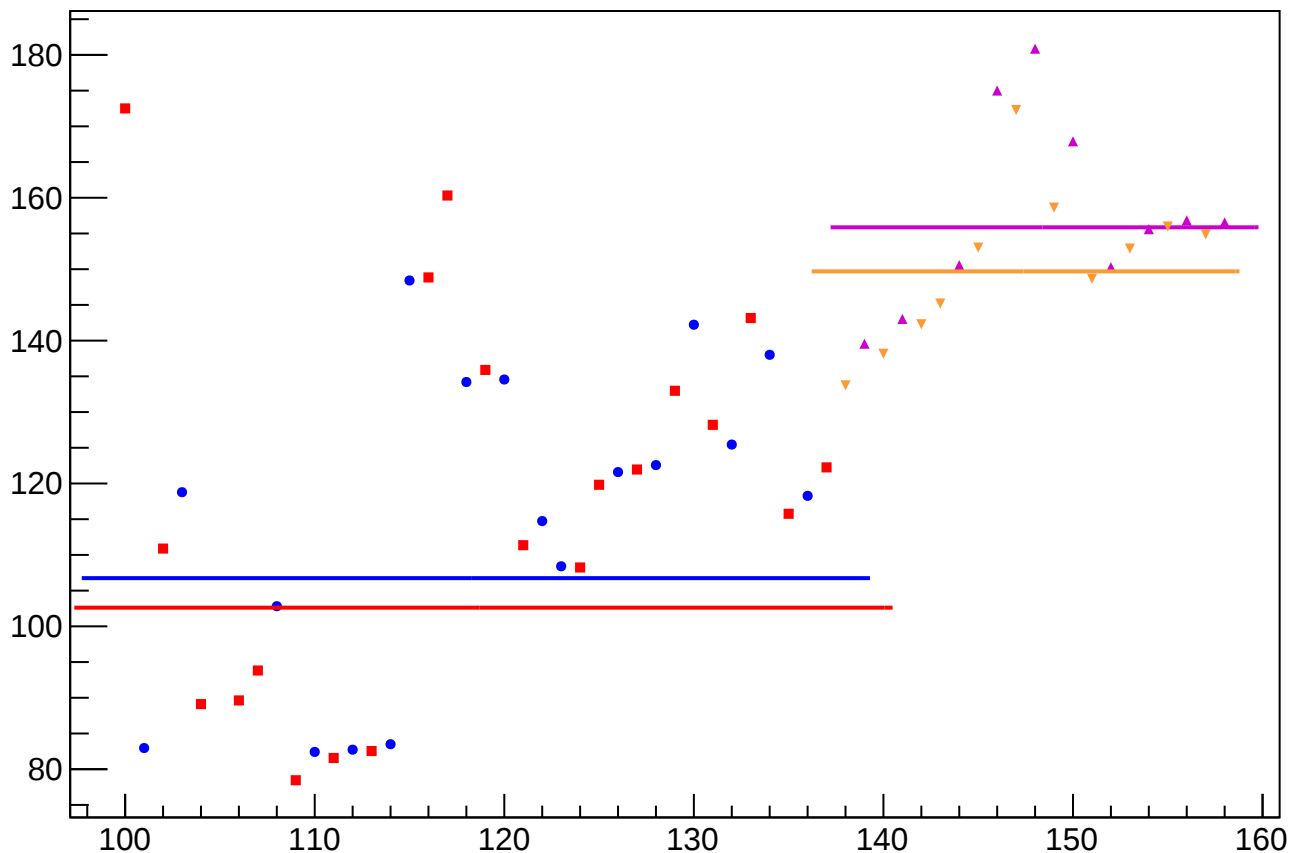
Left In: 339.321 ± 54.638 $\chi^2/\text{NDF}: 9.5/9$

67.636 ± 32.937 $\chi^2/\text{NDF}: 62.3/27$

97.275 ± 22.939 $\chi^2/\text{NDF}: 120.2/57$

125.191 ± 31.966 $\chi^2/\text{NDF}: 56.3/29$

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 106.749 $\pm$ 0.030 χ^2 /NDF: 501742.8/16

Left Out: 149.694 $\pm$ 0.037 χ^2 /NDF: 73313.1/10

Right Out: 102.615 $\pm$ 0.028 χ^2 /NDF: 600357.6/19

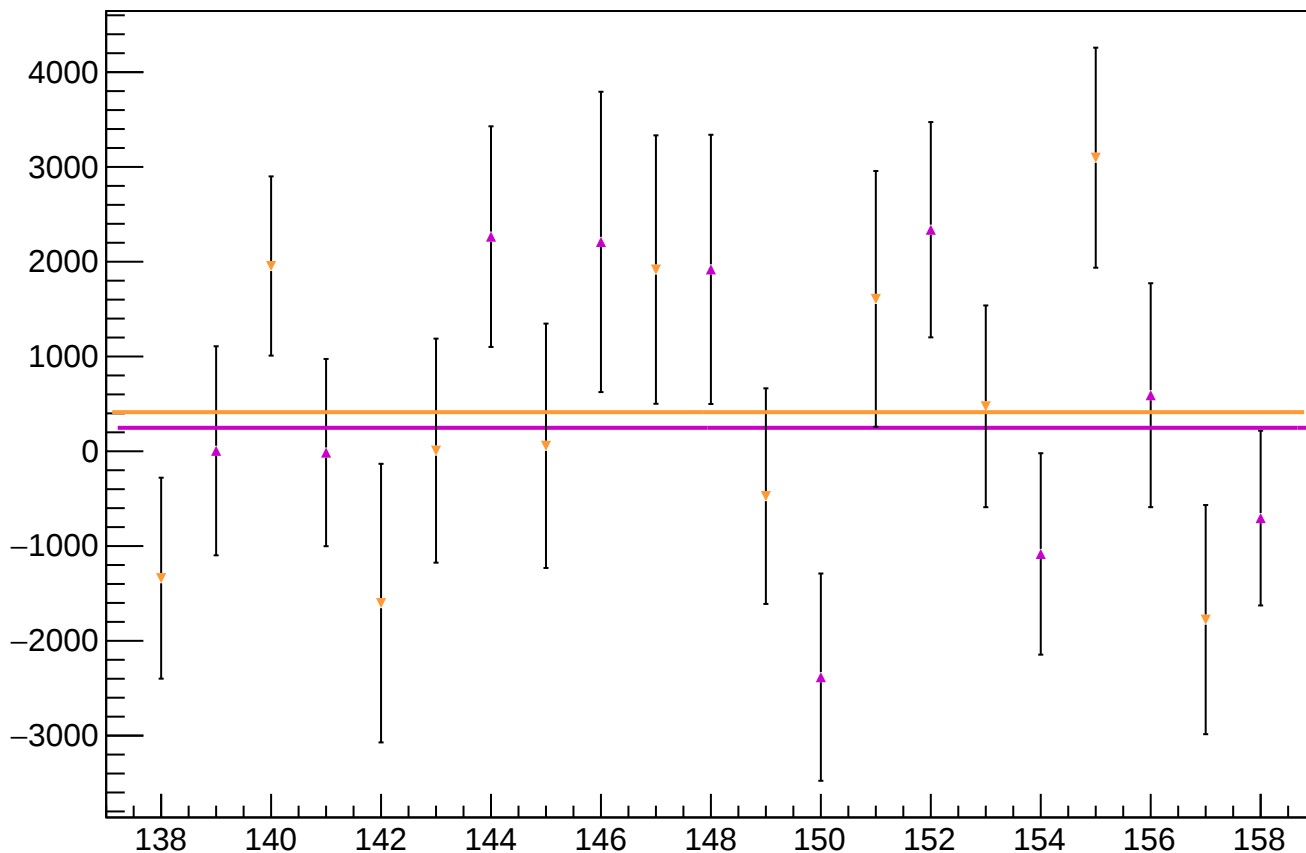
Left In: 155.864 $\pm$ 0.039 χ^2 /NDF: 97073.6/9

123.614 $\pm$ 0.023 χ^2 /NDF: 1385897.1/27

122.186 $\pm$ 0.016 χ^2 /NDF: 3340007.1/57

120.842 $\pm$ 0.023 χ^2 /NDF: 1946815.6/29

asym_sam6_correction_mean vs Slug, Sign Corrected



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

Left Out: 412.749+/-355.360 χ^2/NDF : 18.6/10

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

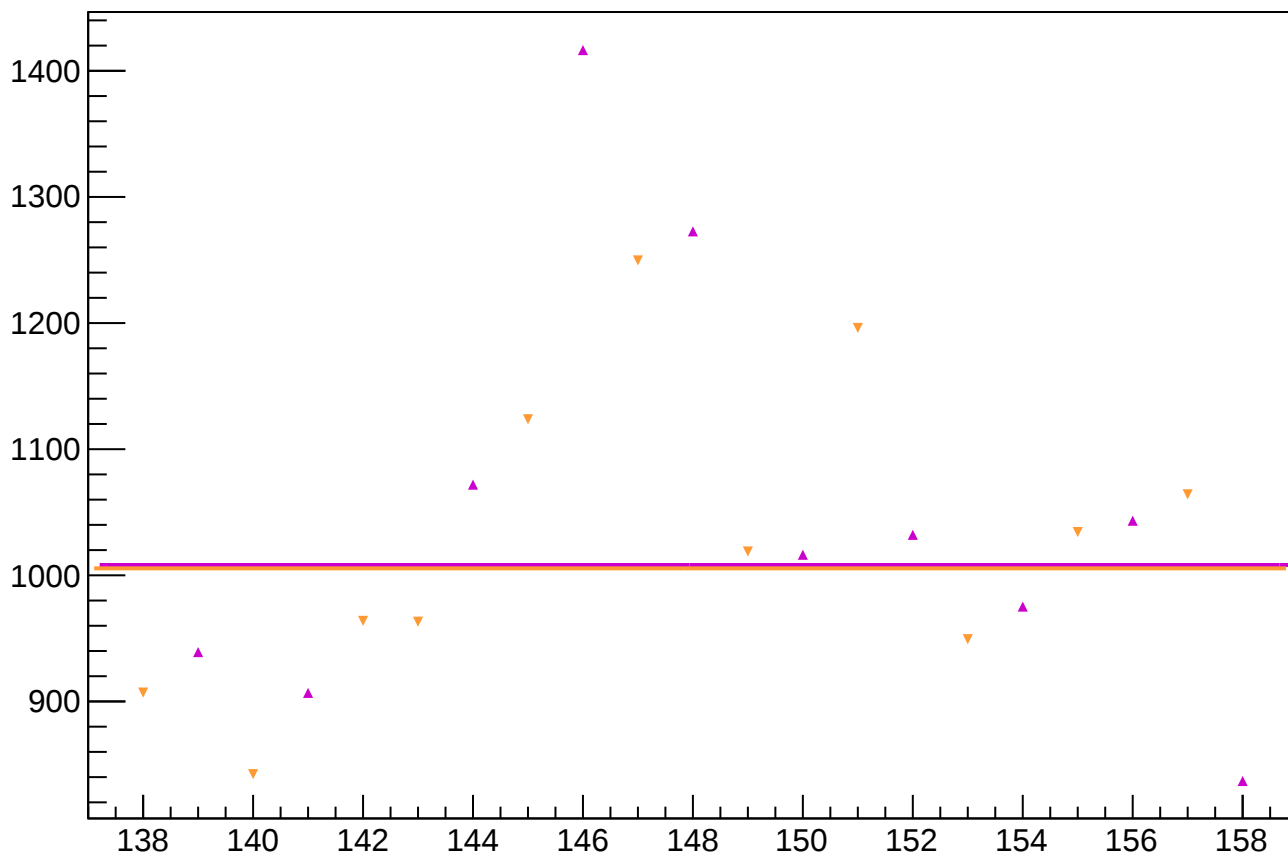
Left In: 247.515+/-356.481 χ^2/NDF : 17.9/9

412.749+/-355.360 χ^2/NDF : 18.6/10

330.392+/-251.673 χ^2/NDF : 36.7/20

247.515+/-356.481 χ^2/NDF : 17.9/9

asym_sam6_correction_rms vs Slug, Sign Corrected



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

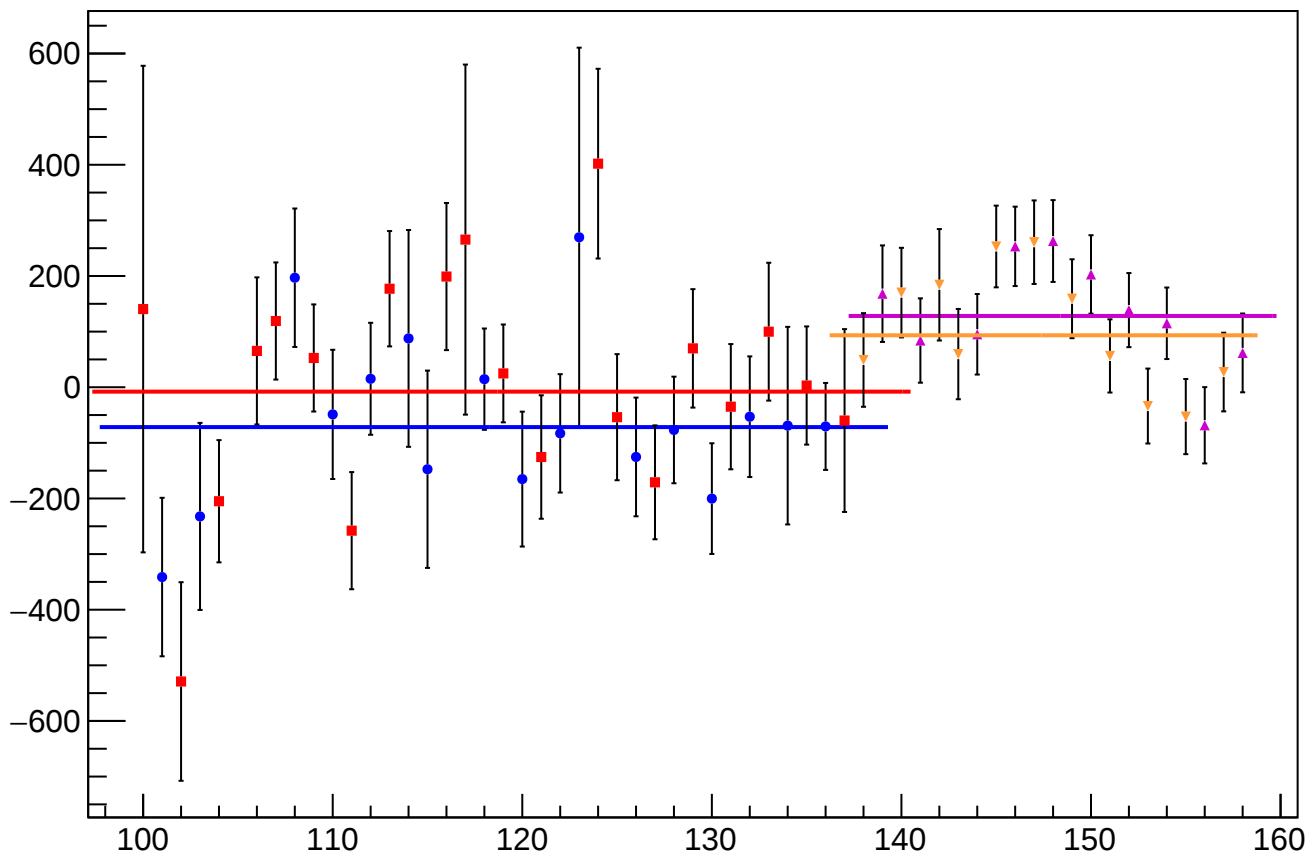
Left In: 1008.186+/-0.252 χ^2/NDF : 310743.0/9

1005.525+/-0.251 χ^2/NDF : 208966.1/10

1006.851+/-0.178 χ^2/NDF : 519765.0/20

1008.186+/-0.252 χ^2/NDF : 310743.0/9

reg_asym_sam7_mean vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 37.2/19$

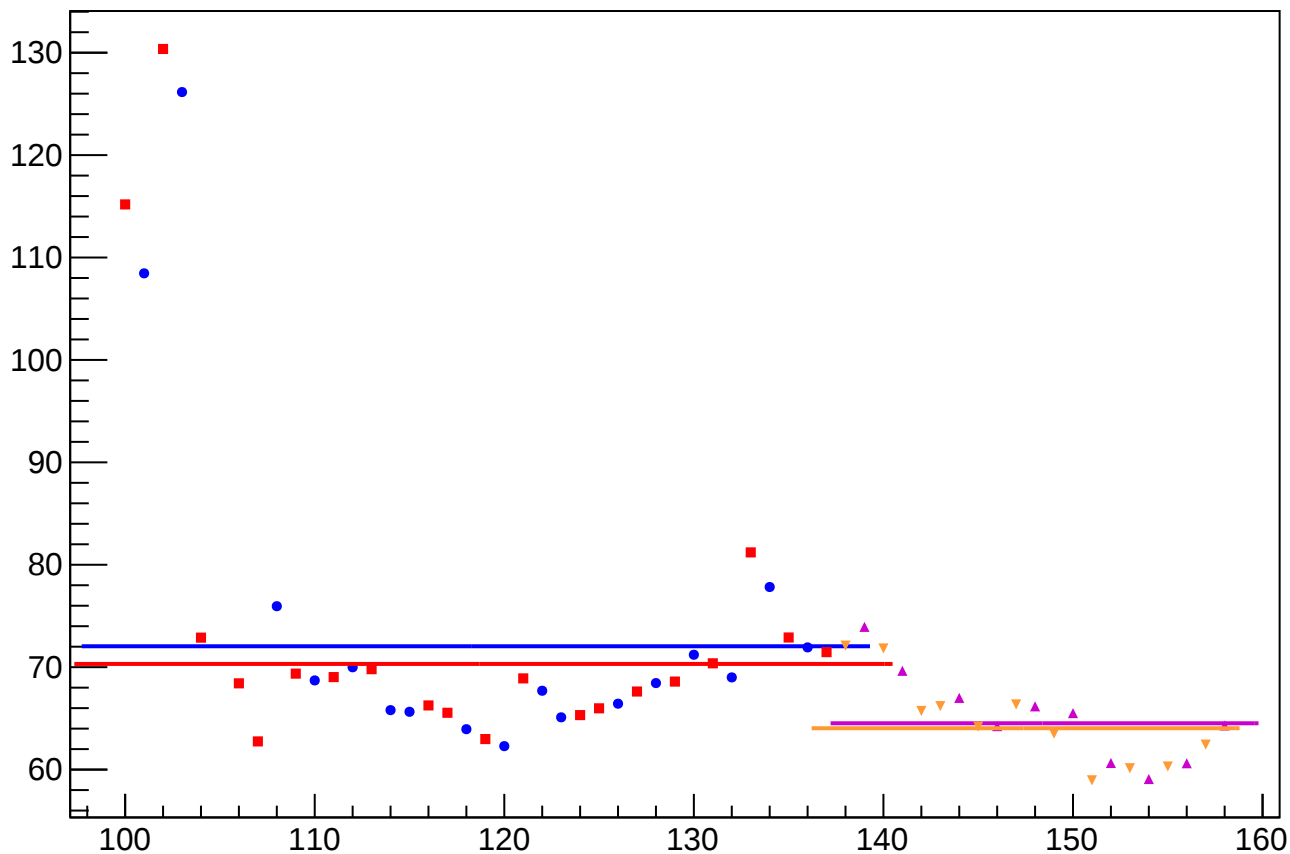
Left In: 128.151 ± 22.593 $\chi^2/\text{NDF}: 17.5/9$

29.694 ± 17.616 $\chi^2/\text{NDF}: 58.2/27$

50.990 ± 12.326 $\chi^2/\text{NDF}: 130.9/57$

71.416 ± 17.252 $\chi^2/\text{NDF}: 69.8/29$

reg_asym_sam7_rms vs Slug, Sign Corrected



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

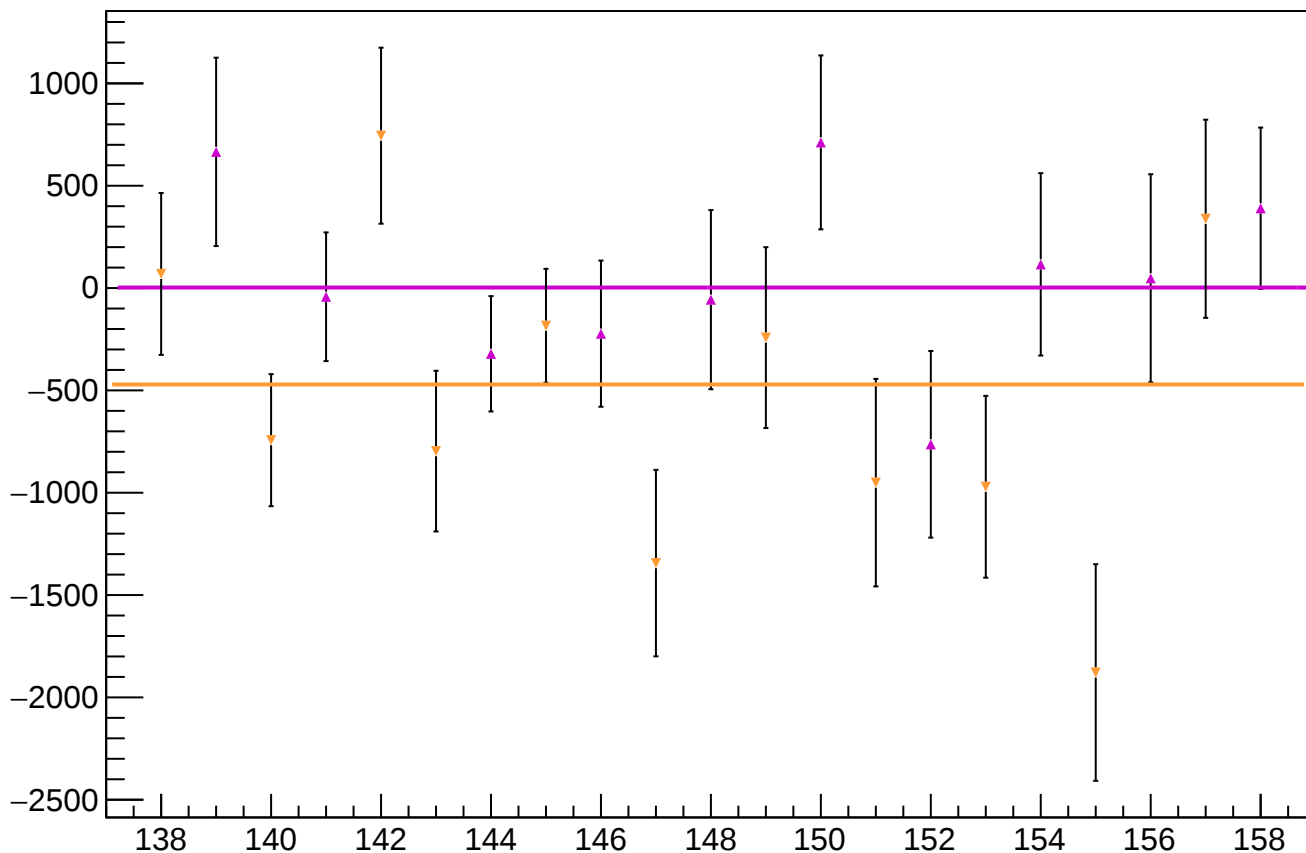
Left In: 64.523 $\pm$ 0.016 χ^2 /NDF: 64062.8/9

67.126 $\pm$ 0.012 χ^2 /NDF: 556773.0/27

67.030 $\pm$ 0.009 χ^2 /NDF: 975252.6/57

66.938 $\pm$ 0.012 χ^2 /NDF: 418363.2/29

asym_sam7_correction_mean vs Slug, Sign Corrected



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

Left Out: -471.013 $\pm$ 121.662 χ^2 /NDF:28.3/10

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

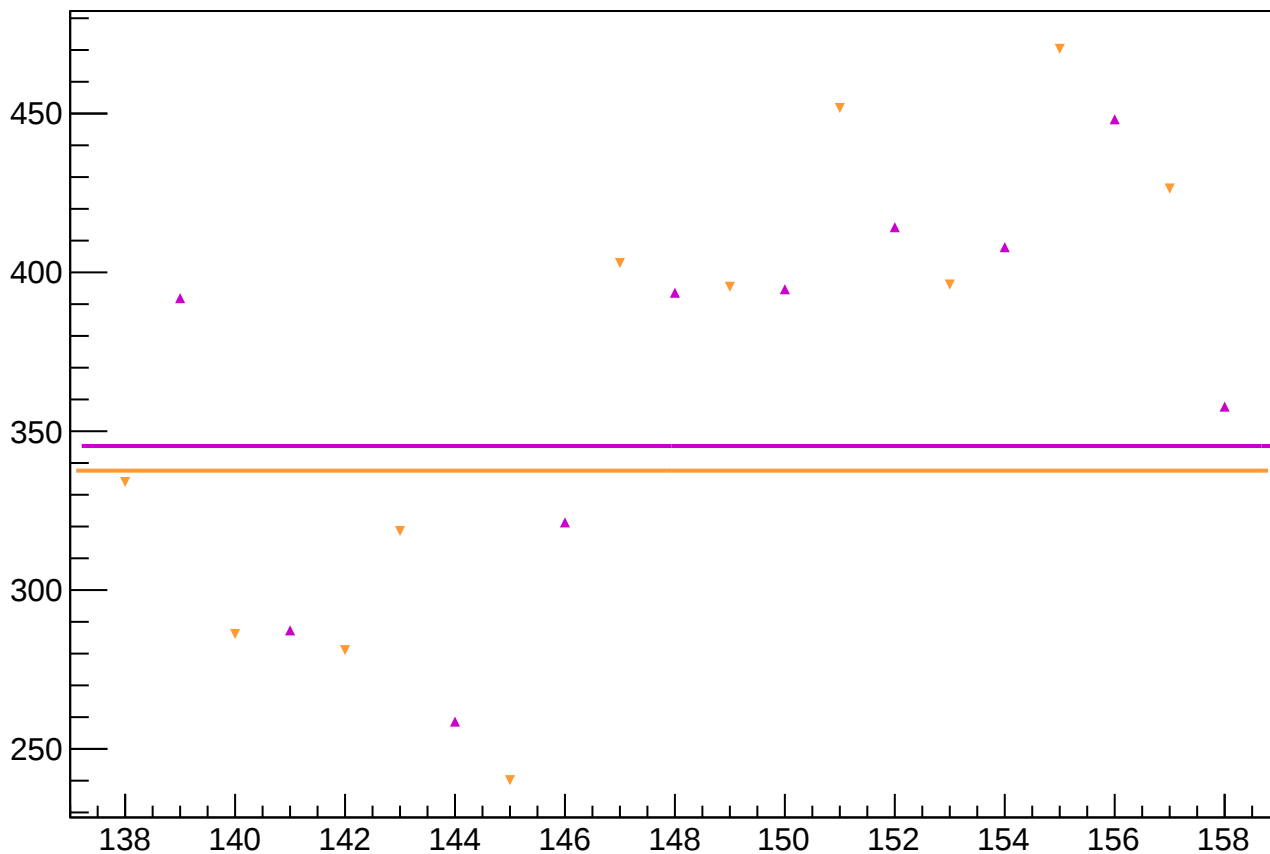
Left In: 2.563 $\pm$ 122.920 χ^2 /NDF:10.5/9

-471.013 $\pm$ 121.662 χ^2 /NDF: 28.3/10

-236.661 $\pm$ 86.469 χ^2 /NDF: 46.3/20

2.563 $\pm$ 122.920 χ^2 /NDF: 10.5/9

asym_sam7_correction_rms vs Slug, Sign Corrected



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

Left Out: 337.596+/-0.086 χ^2/NDF : 740456.6/10

337.596+/-0.086 χ^2/NDF : 740456.6/10

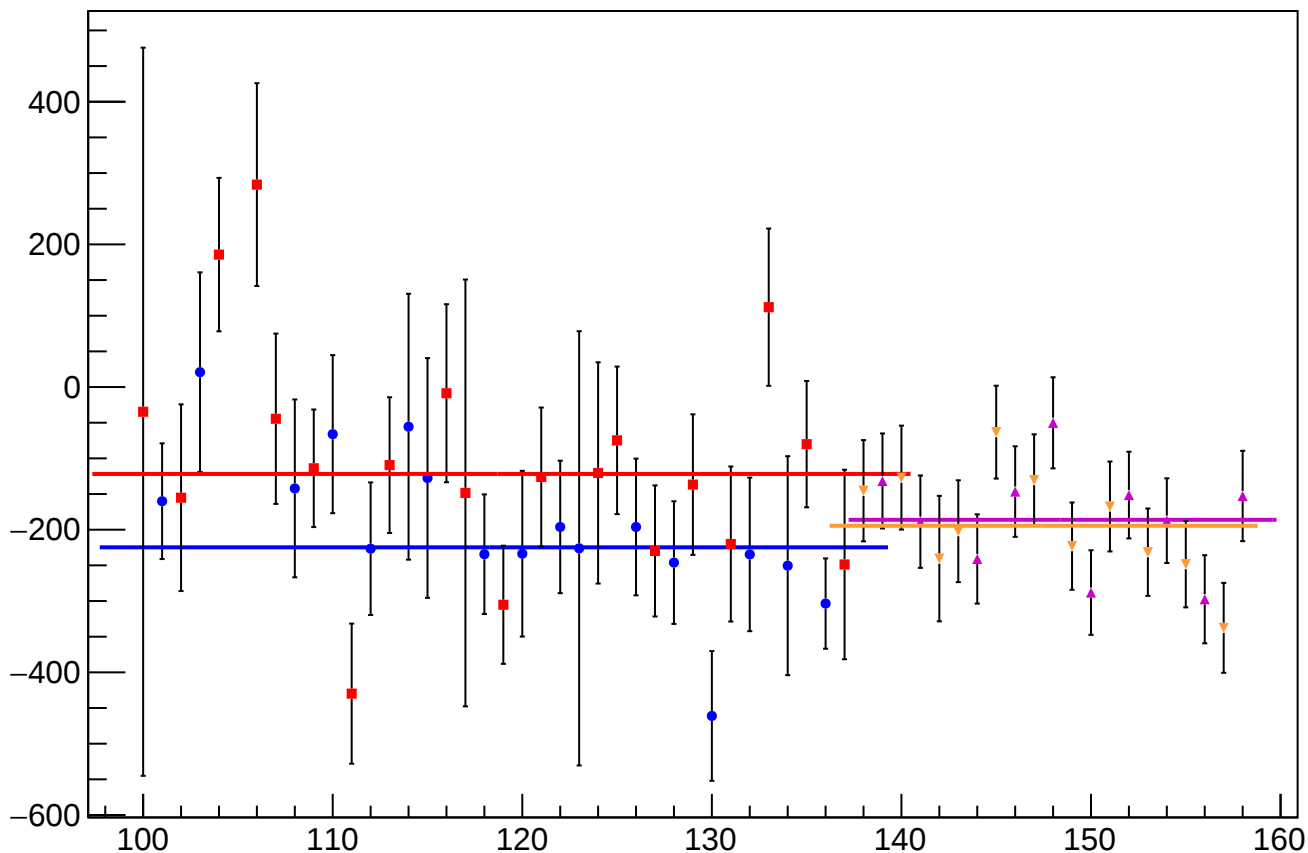
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

341.434+/-0.061 χ^2/NDF : 1251997.9/20

Left In: 345.352+/-0.087 χ^2/NDF : 507518.7/9

345.352+/-0.087 χ^2/NDF : 507518.7/9

reg_asym_sam8_mean vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 40.5/19$

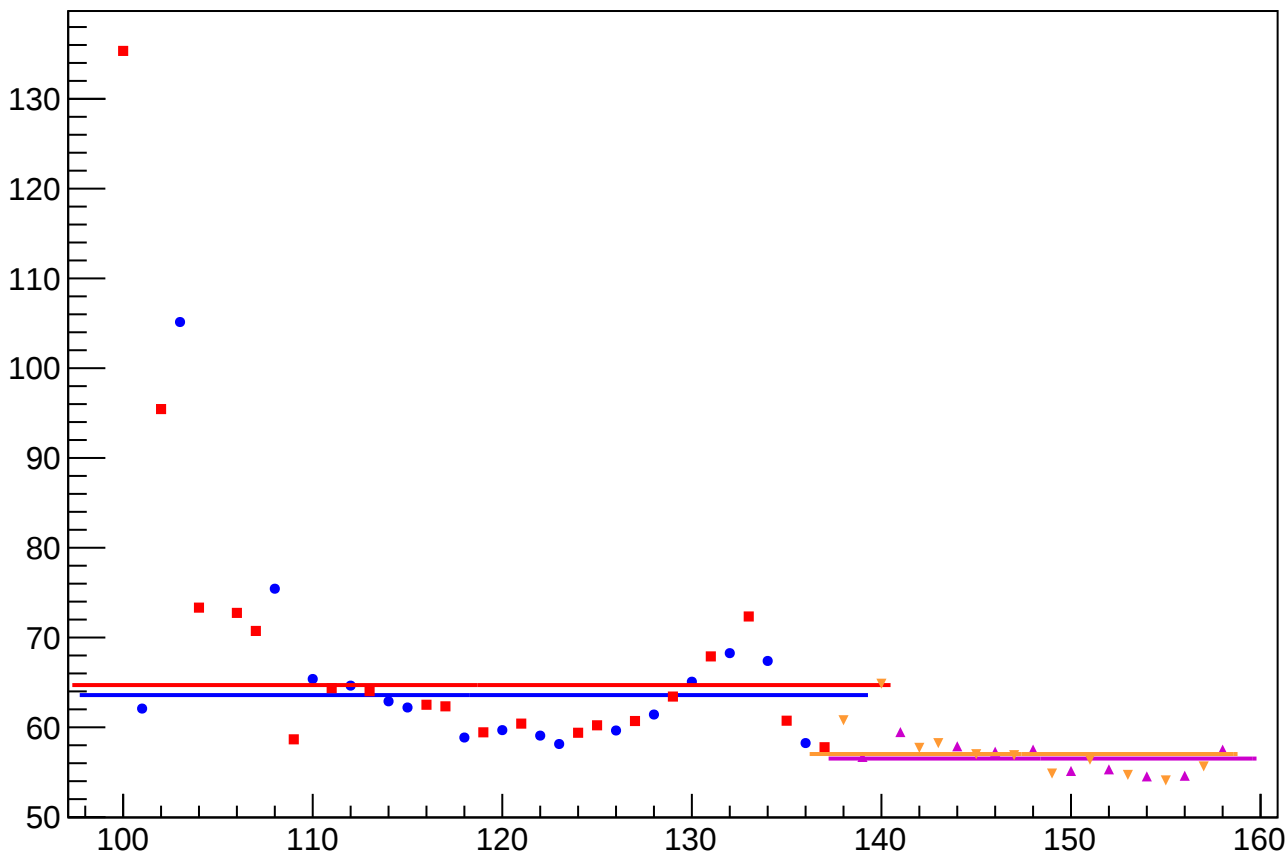
Left In: -186.135 ± 19.754 $\chi^2/\text{NDF}: 13.2/9$

-206.346 ± 15.590 $\chi^2/\text{NDF}: 30.3/27$

-183.275 ± 10.949 $\chi^2/\text{NDF}: 92.4/57$

-160.815 ± 15.382 $\chi^2/\text{NDF}: 57.8/29$

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 63.589 ± 0.018 $\chi^2/\text{NDF}: 234601.0/16$

Left Out: 57.026 ± 0.014 $\chi^2/\text{NDF}: 40669.1/10$

Right Out: 64.704 ± 0.017 $\chi^2/\text{NDF}: 227632.6/19$

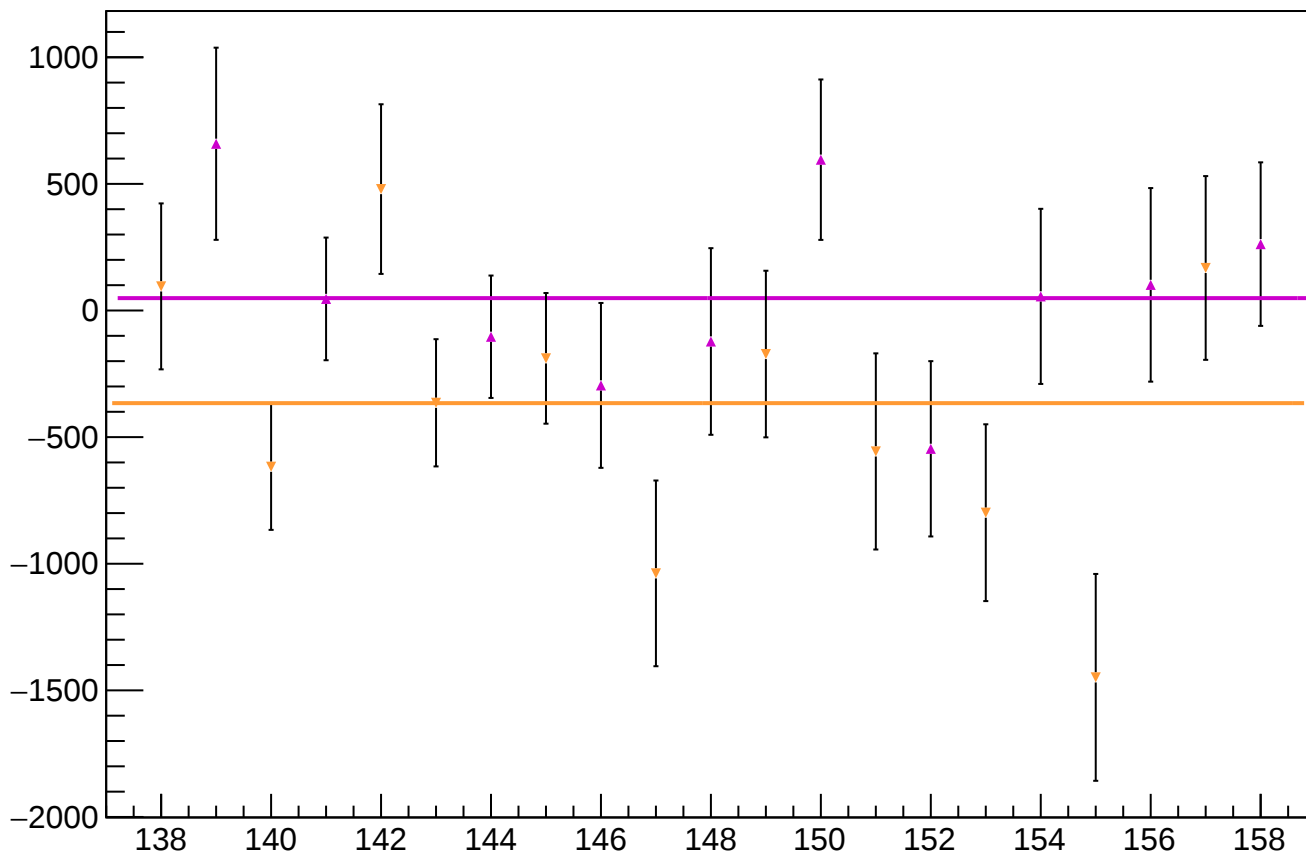
Left In: 56.518 ± 0.014 $\chi^2/\text{NDF}: 12419.8/9$

59.603 ± 0.011 $\chi^2/\text{NDF}: 359807.6/27$

59.672 ± 0.008 $\chi^2/\text{NDF}: 735157.4/57$

59.740 ± 0.011 $\chi^2/\text{NDF}: 375270.8/29$

asym_sam8_correction_mean vs Slug, Sign Corrected



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

Left Out: -365.800+/-95.206 χ^2/NDF : 24.5/10

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

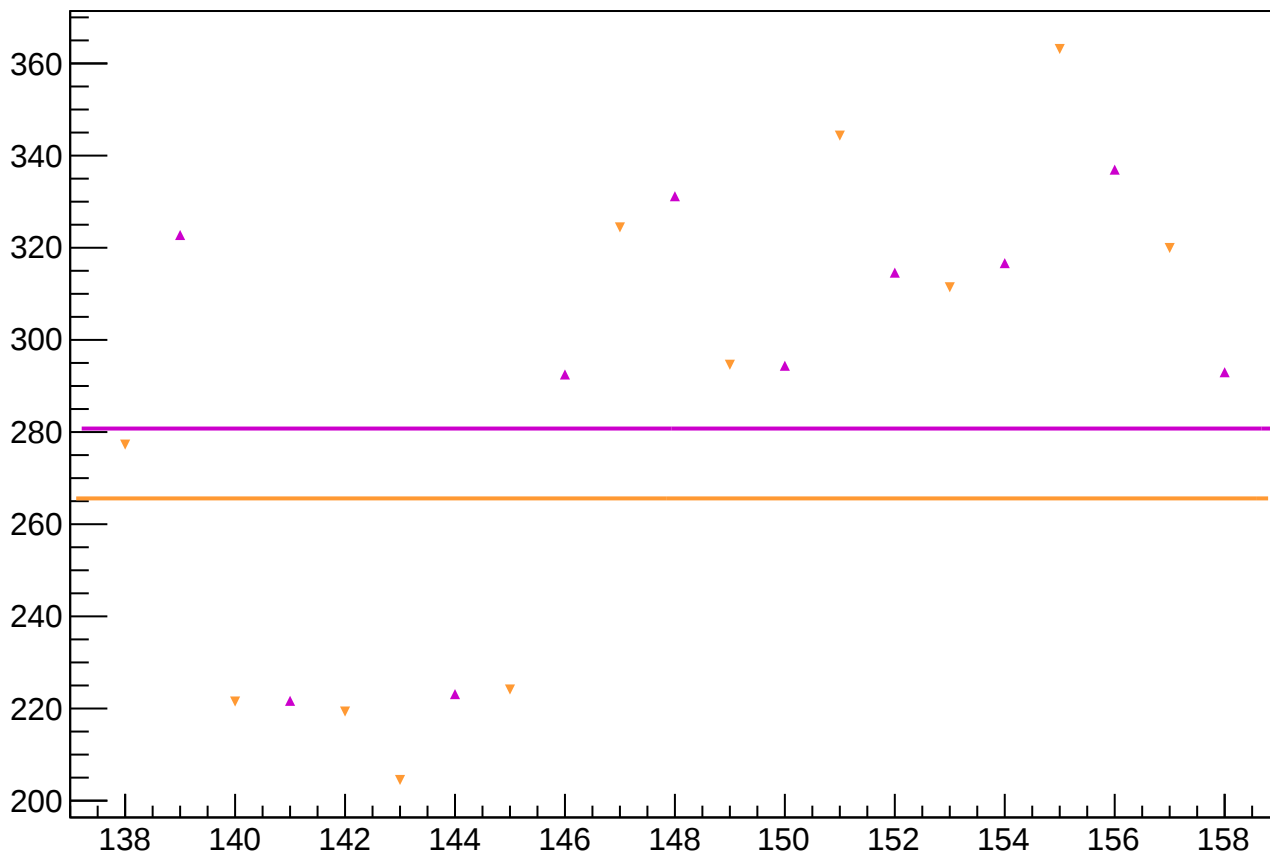
Left In: 48.898+/-99.488 χ^2/NDF : 10.7/9

-365.800+/-95.206 χ^2/NDF : 24.5/10

-167.567+/-68.785 χ^2/NDF : 44.3/20

48.898+/-99.488 χ^2/NDF : 10.7/9

asym_sam8_correction_rms vs Slug, Sign Corrected



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

Left Out: 265.600+/-0.067 χ^2/NDF : 616304.8/10

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

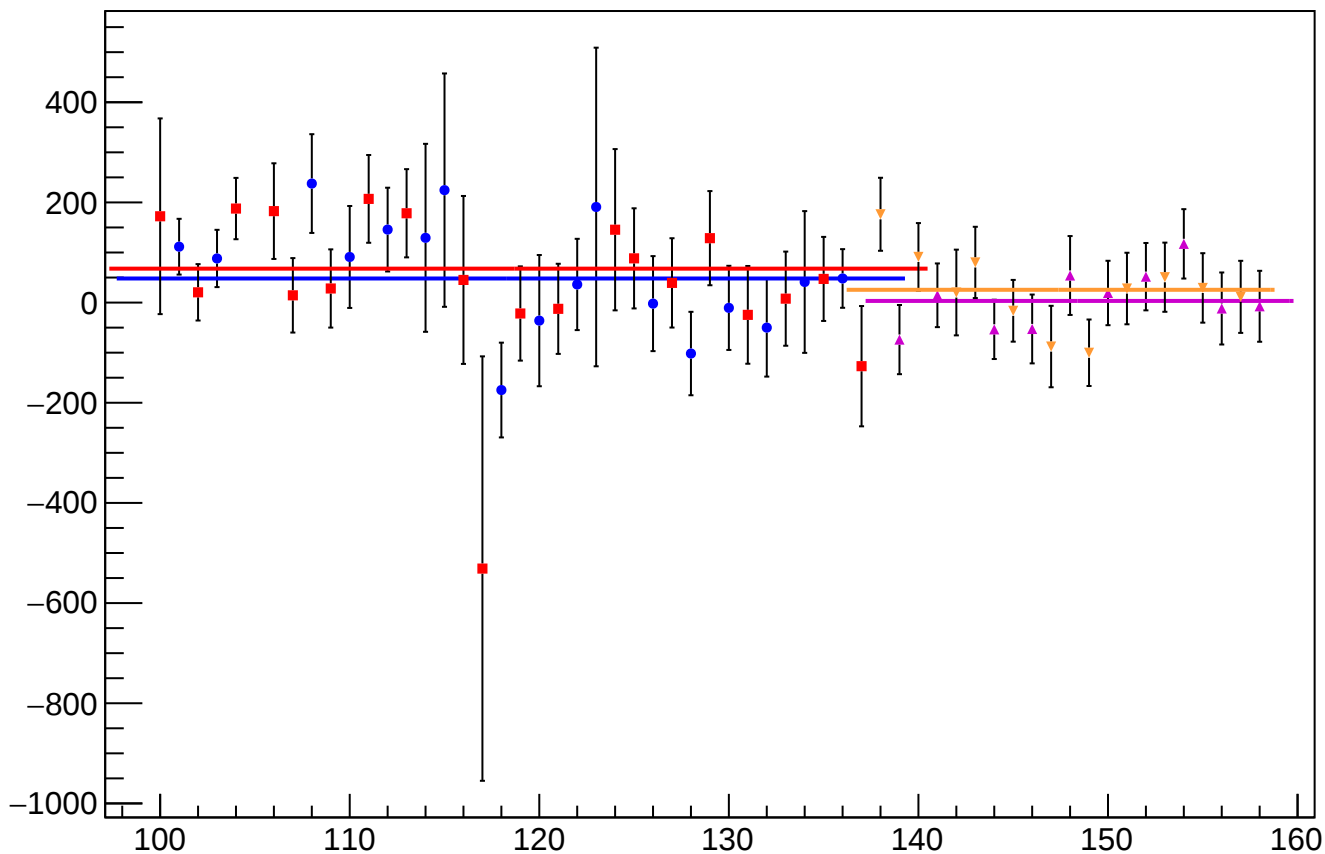
Left In: 280.762+/-0.070 χ^2/NDF : 387842.9/9

265.600+/-0.067 χ^2/NDF : 616304.8/10

272.848+/-0.049 χ^2/NDF : 1028396.0/20

280.762+/-0.070 χ^2/NDF : 387842.9/9

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 48.109 $\pm$ 21.510 χ^2 /NDF: 19.0/16

Left Out: 25.530 $\pm$ 21.370 χ^2 /NDF:12.0/10

Right Out: 67.767 $\pm$ 20.383 χ^2 /NDF: 19.7/19

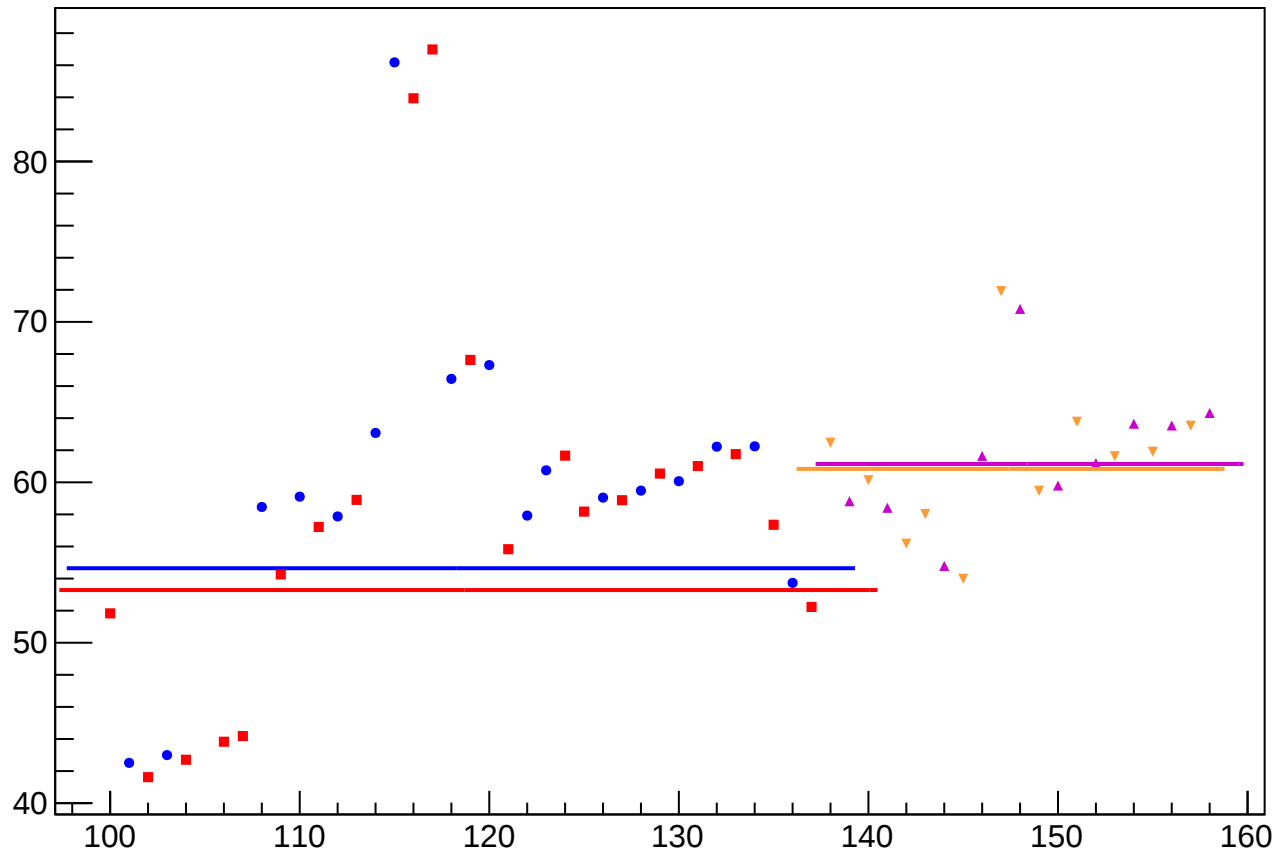
Left In: 3.303 $\pm$ 21.421 χ^2 /NDF:6.6/9

36.745 $\pm$ 15.160 χ^2 /NDF: 31.5/27

36.945 $\pm$ 10.578 χ^2 /NDF: 62.6/57

37.134 $\pm$ 14.766 χ^2 /NDF: 31.0/29

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



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

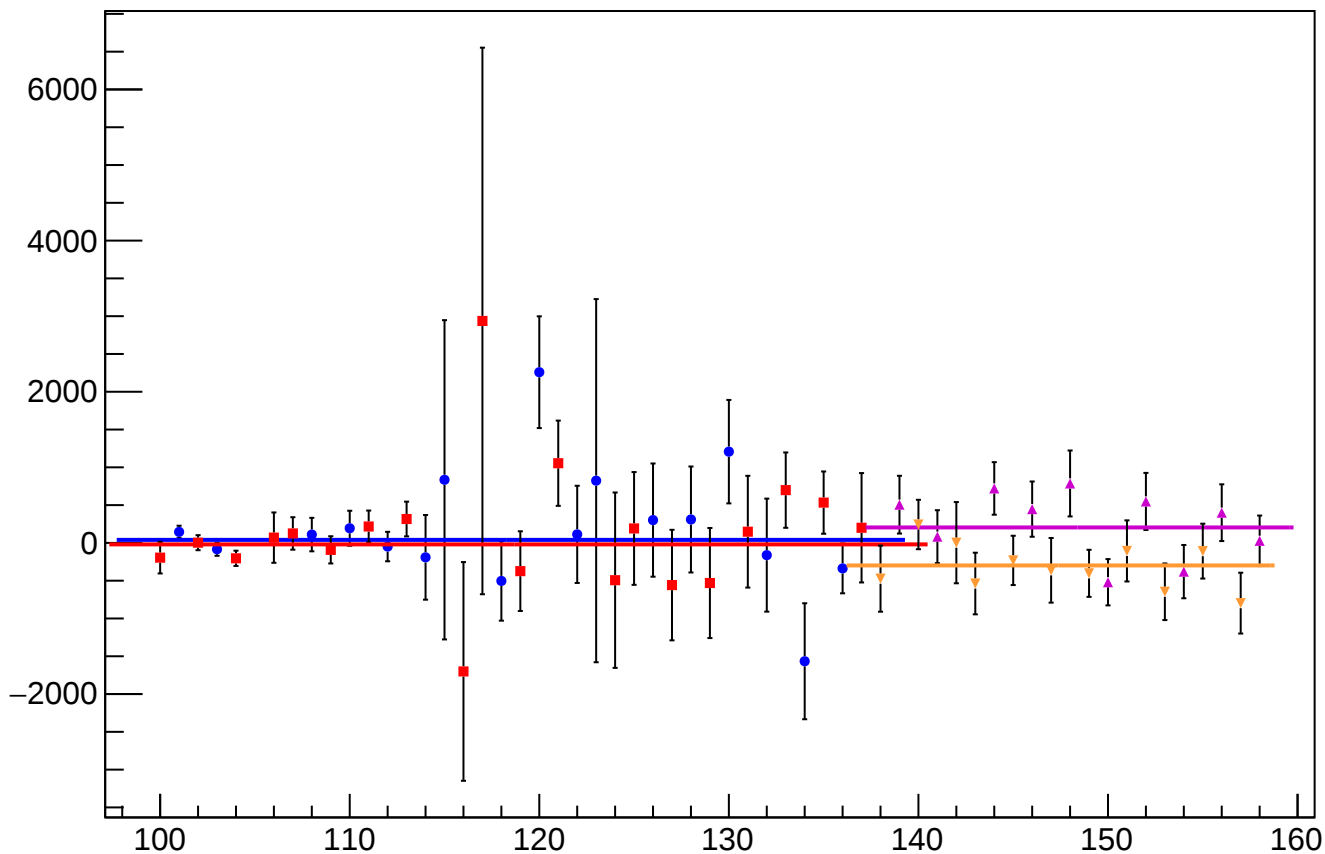
Left In: 61.144+/-0.015 χ^2/NDF : 68999.2/9

57.762+/-0.011 χ^2/NDF : 482616.0/27

57.381+/-0.007 χ^2/NDF : 1094319.9/57

57.019+/-0.010 χ^2/NDF : 609241.9/29

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



Right In: 40.207 $\pm$ 51.542 χ^2 /NDF: 23.9/16

Left Out: -298.137 $\pm$ 114.533 χ^2 /NDF: 6.6/10

Right Out: -19.590 $\pm$ 53.268 χ^2 /NDF: 19.6/19

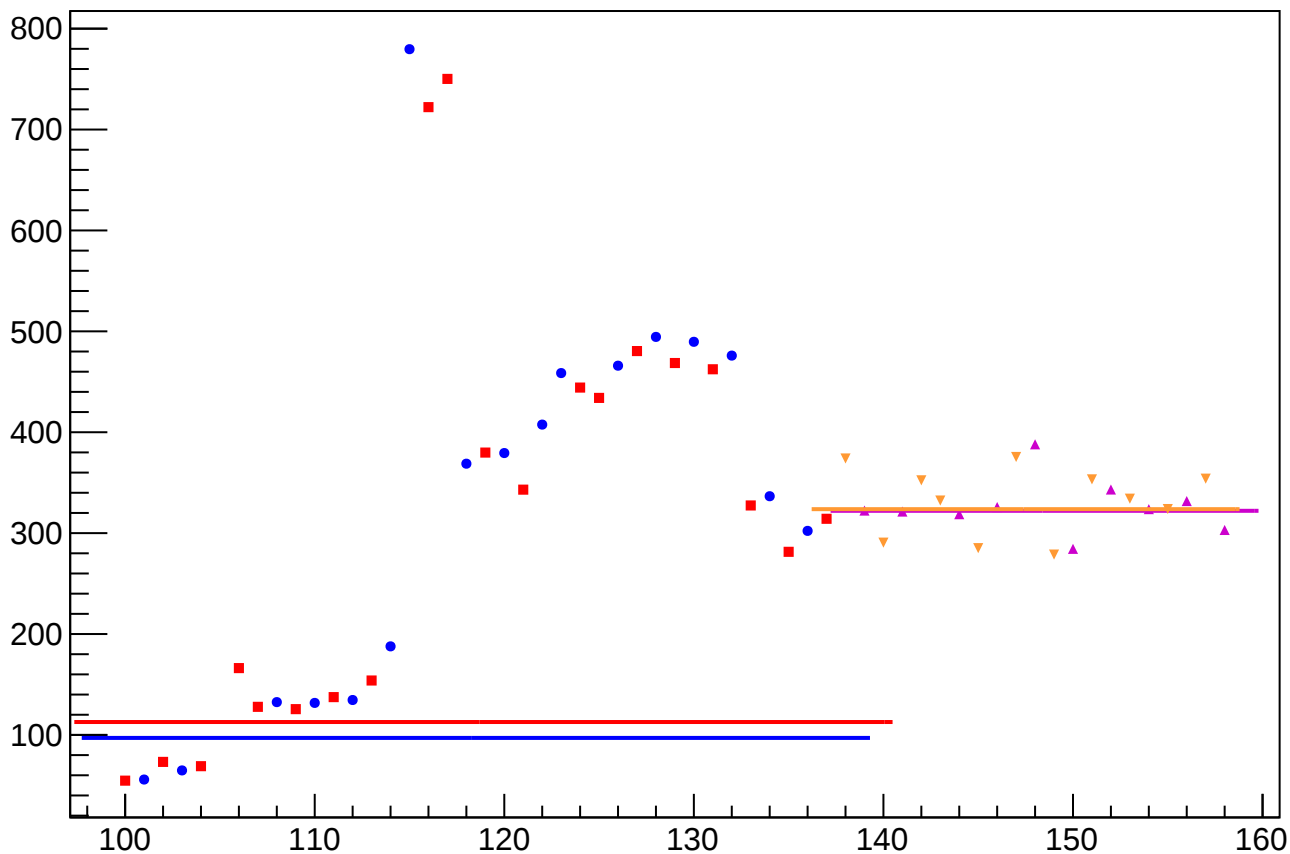
Left In: 204.512 $\pm$ 113.380 χ^2 /NDF: 14.9/9

-16.774 $\pm$ 47.002 χ^2 /NDF: 37.8/27

1.600 $\pm$ 33.655 χ^2 /NDF: 75.8/57

20.932 $\pm$ 48.212 χ^2 /NDF: 37.7/29

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



Right In: 97.039 $\pm$ 0.036 χ^2 /NDF: 5819709.2/16

Left Out: 323.755 $\pm$ 0.081 χ^2 /NDF: 176094.6/10

Right Out: 112.792 $\pm$ 0.038 χ^2 /NDF: 5098459.2/19

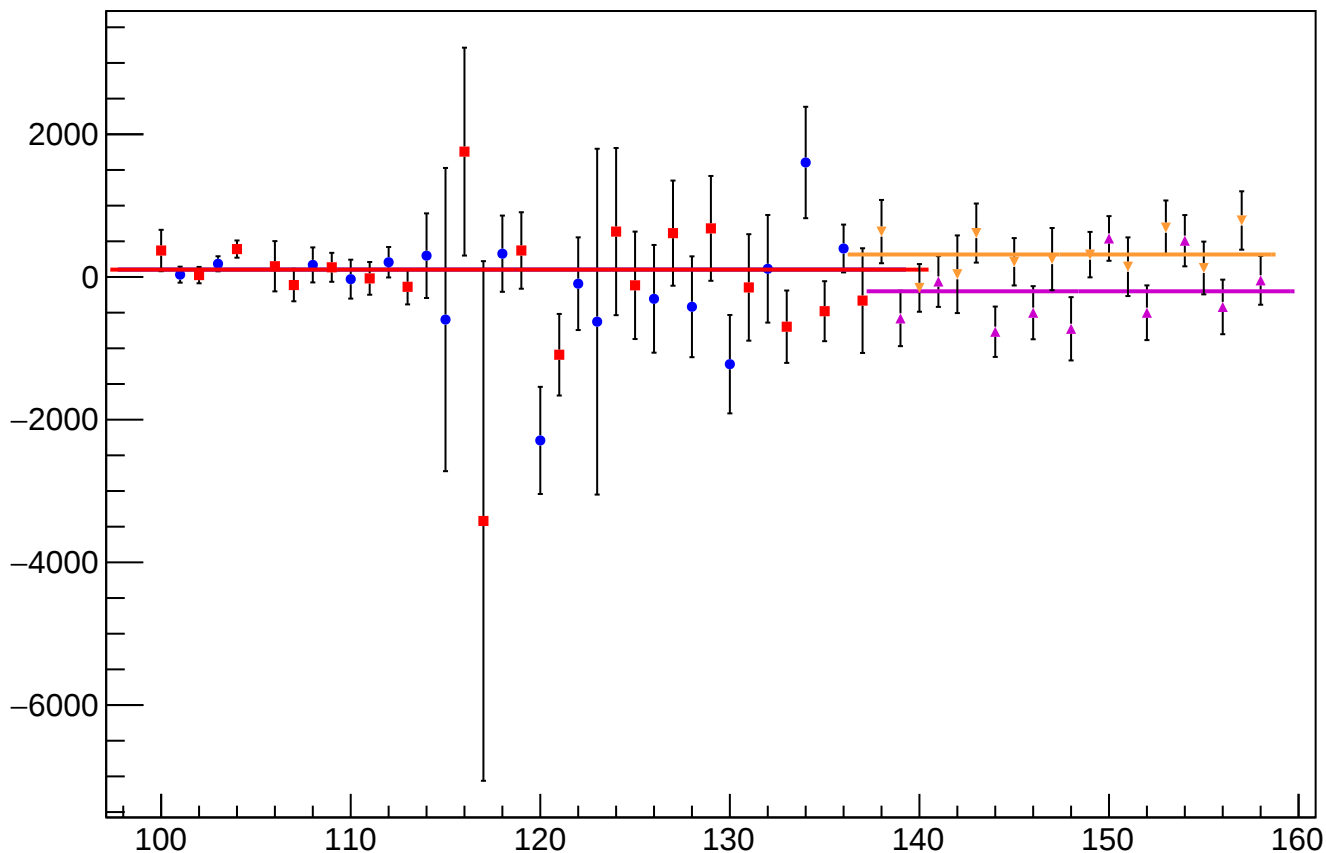
Left In: 322.129 $\pm$ 0.080 χ^2 /NDF: 90447.4/9

135.221 $\pm$ 0.033 χ^2 /NDF: 12512714.8/27

142.736 $\pm$ 0.024 χ^2 /NDF: 23391651.9/57

150.644 $\pm$ 0.034 χ^2 /NDF: 10773996.7/29

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 104.001 $\pm$ 63.156 χ^2 /NDF: 21.3/16

Left Out: 315.350 $\pm$ 116.610 χ^2 /NDF: 6.2/10

Right Out: 103.156 $\pm$ 60.849 χ^2 /NDF: 22.3/19

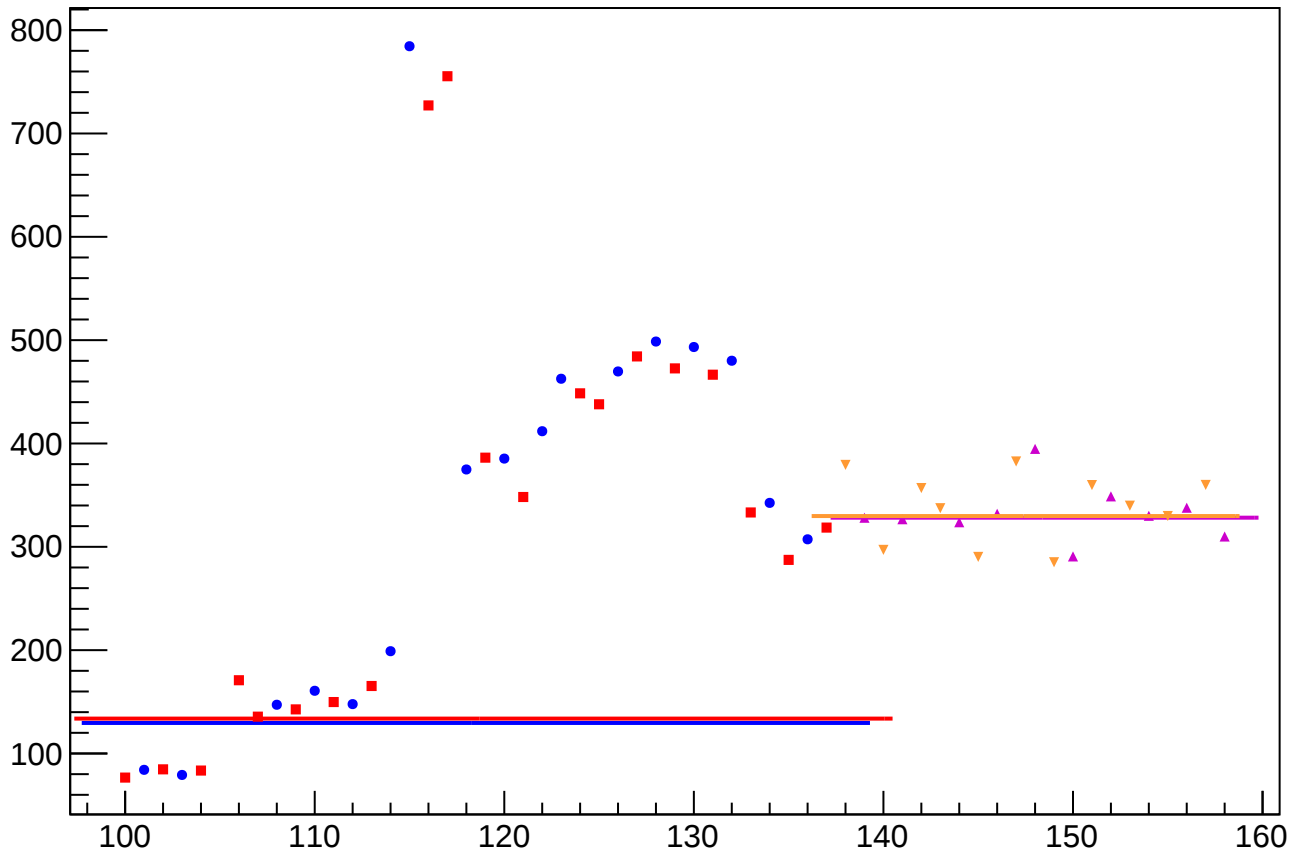
Left In: -200.628 $\pm$ 115.476 χ^2 /NDF: 16.4/9

151.936 $\pm$ 55.534 χ^2 /NDF: 30.0/27

92.751 $\pm$ 38.653 χ^2 /NDF: 76.3/57

37.138 $\pm$ 53.832 χ^2 /NDF: 44.1/29

asym_sam_15_avg_rms vs Slug, Sign Corrected



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

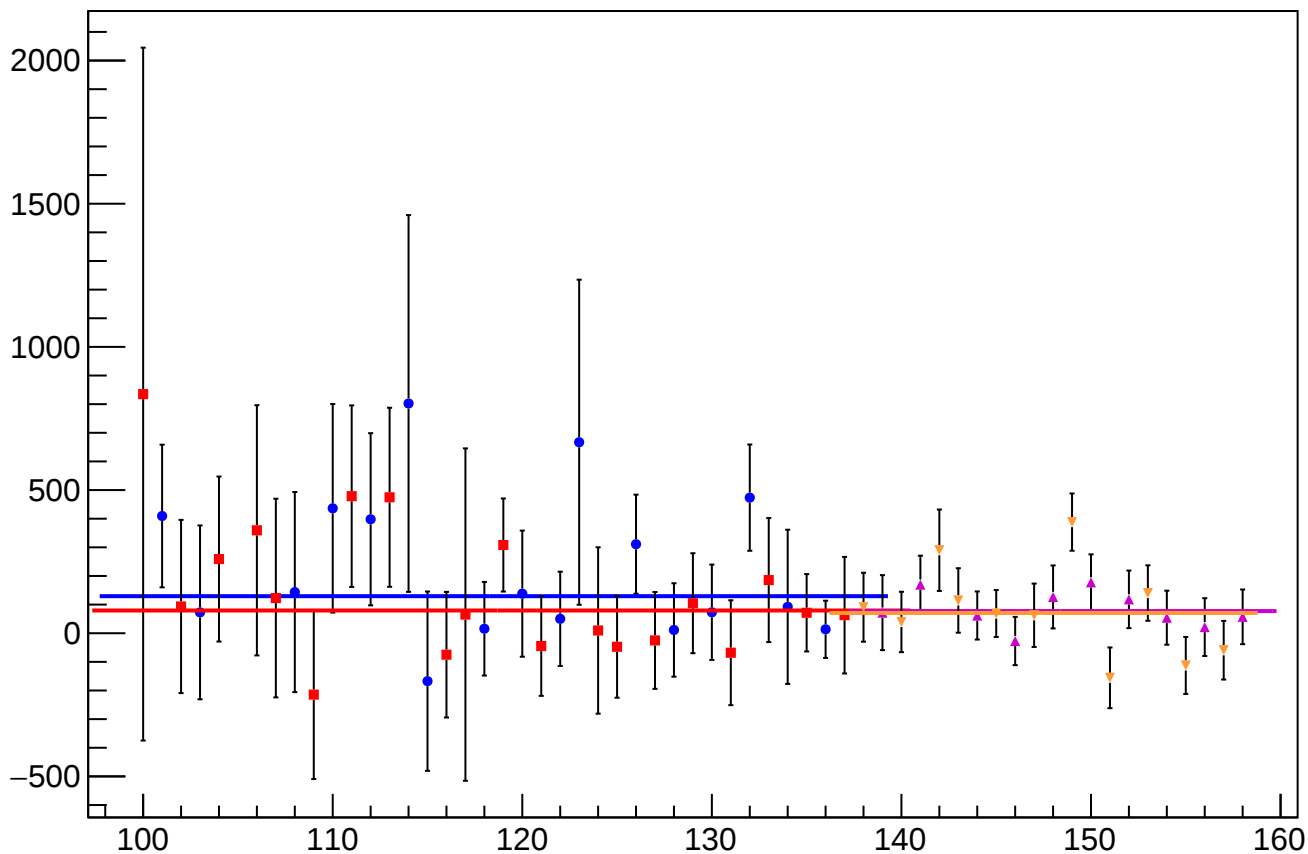
Left In: 328.199 +/- 0.082 χ^2/NDF : 87129.4/9

174.963 +/- 0.039 χ^2/NDF : 9501291.1/27

175.508 +/- 0.027 χ^2/NDF : 18451137.0/57

176.020 +/- 0.038 χ^2/NDF : 8949472.3/29

reg_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 129.398 $\pm$ 49.122 χ^2 /NDF: 12.9/16

Left Out: 70.722 $\pm$ 31.479 χ^2 /NDF:22.8/10

Right Out: 79.378 $\pm$ 49.703 χ^2 /NDF: 10.2/19

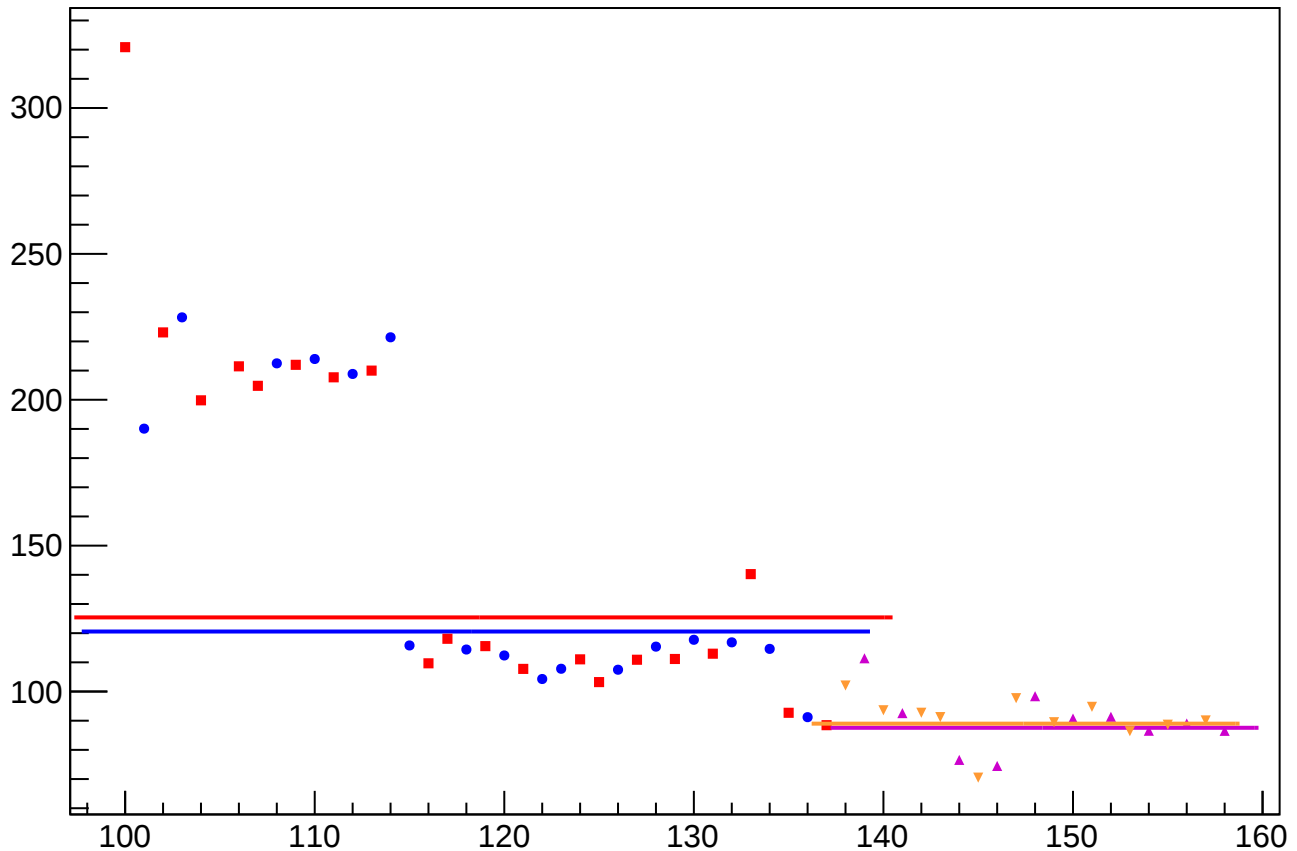
Left In: 77.465 $\pm$ 30.942 χ^2 /NDF:4.2/9

87.804 $\pm$ 26.504 χ^2 /NDF: 36.7/27

82.858 $\pm$ 18.657 χ^2 /NDF: 51.3/57

77.999 $\pm$ 26.268 χ^2 /NDF: 14.5/29

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 120.565+/-0.035 χ^2/NDF : 1112076.4/16

Left Out: 88.987+/-0.022 χ^2/NDF : 151300.8/10

Right Out: 125.404+/-0.035 χ^2/NDF : 1334075.7/19

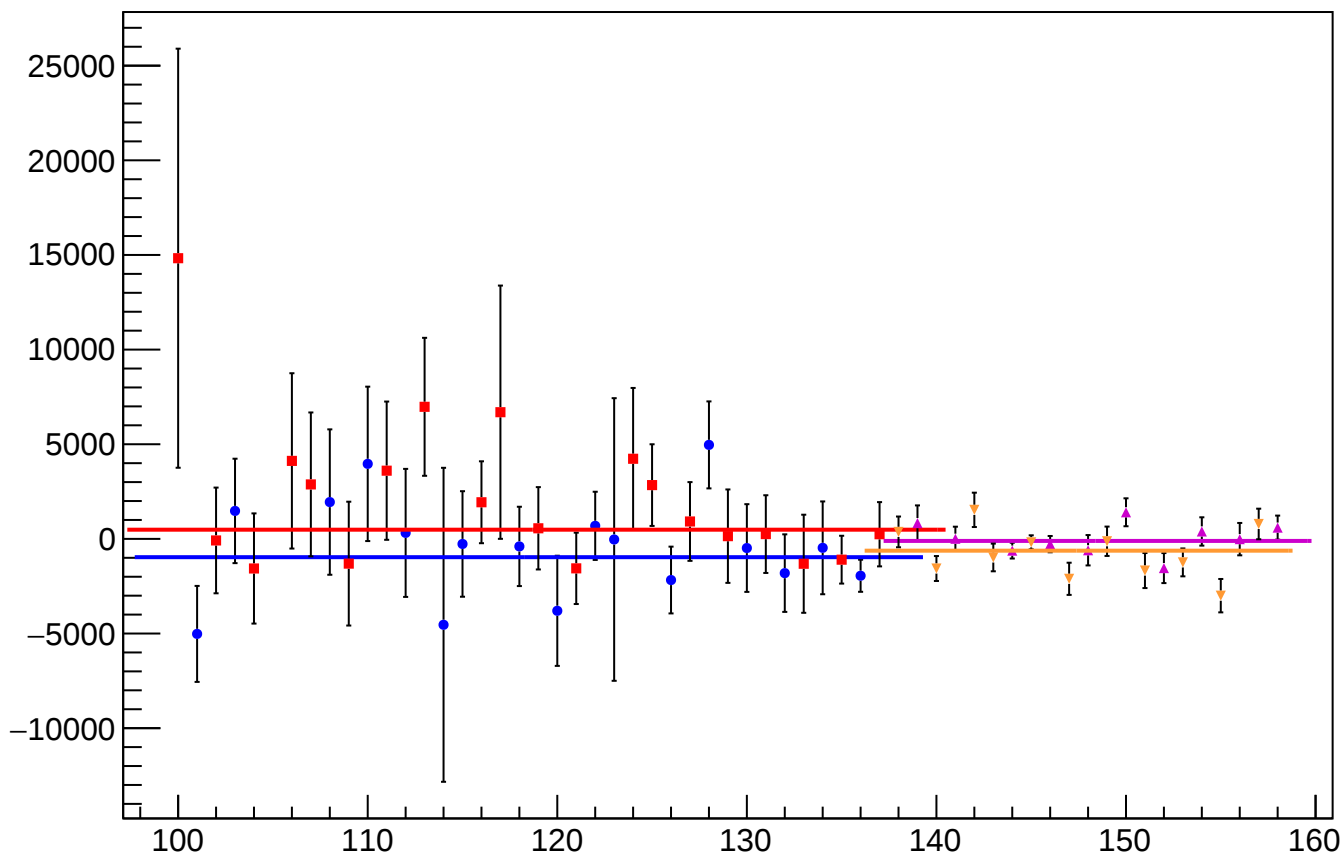
Left In: 87.568+/-0.022 χ^2/NDF : 178696.1/9

98.180+/-0.019 χ^2/NDF : 1849304.1/27

98.158+/-0.013 χ^2/NDF : 4197367.5/57

98.136+/-0.019 χ^2/NDF : 2348060.7/29

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



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

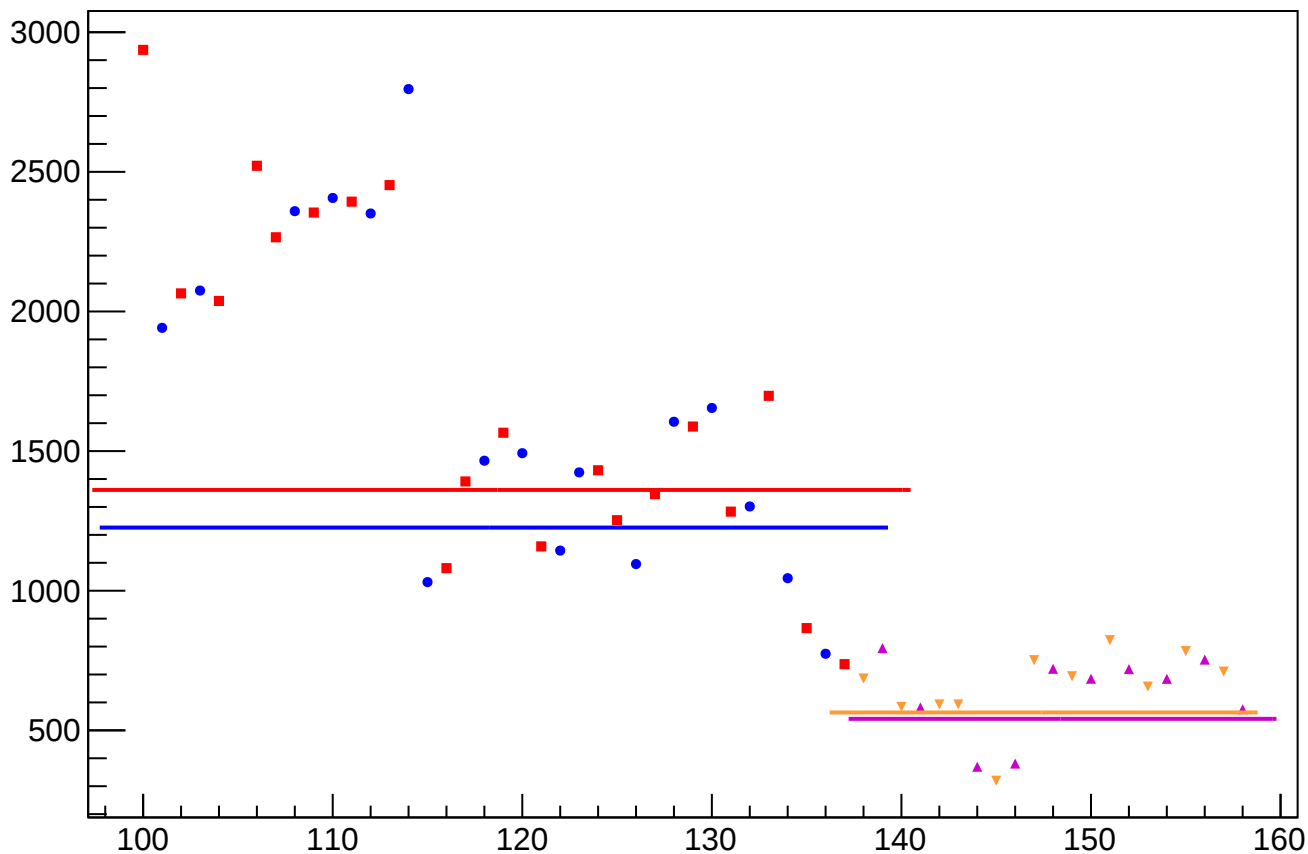
Left In: -107.779+/-198.548 χ^2/NDF : 12.3/9

-672.015+/-192.975 χ^2/NDF : 43.4/27

-344.145+/-134.105 χ^2/NDF : 76.5/57

-37.922+/-186.496 χ^2/NDF : 27.6/29

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



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

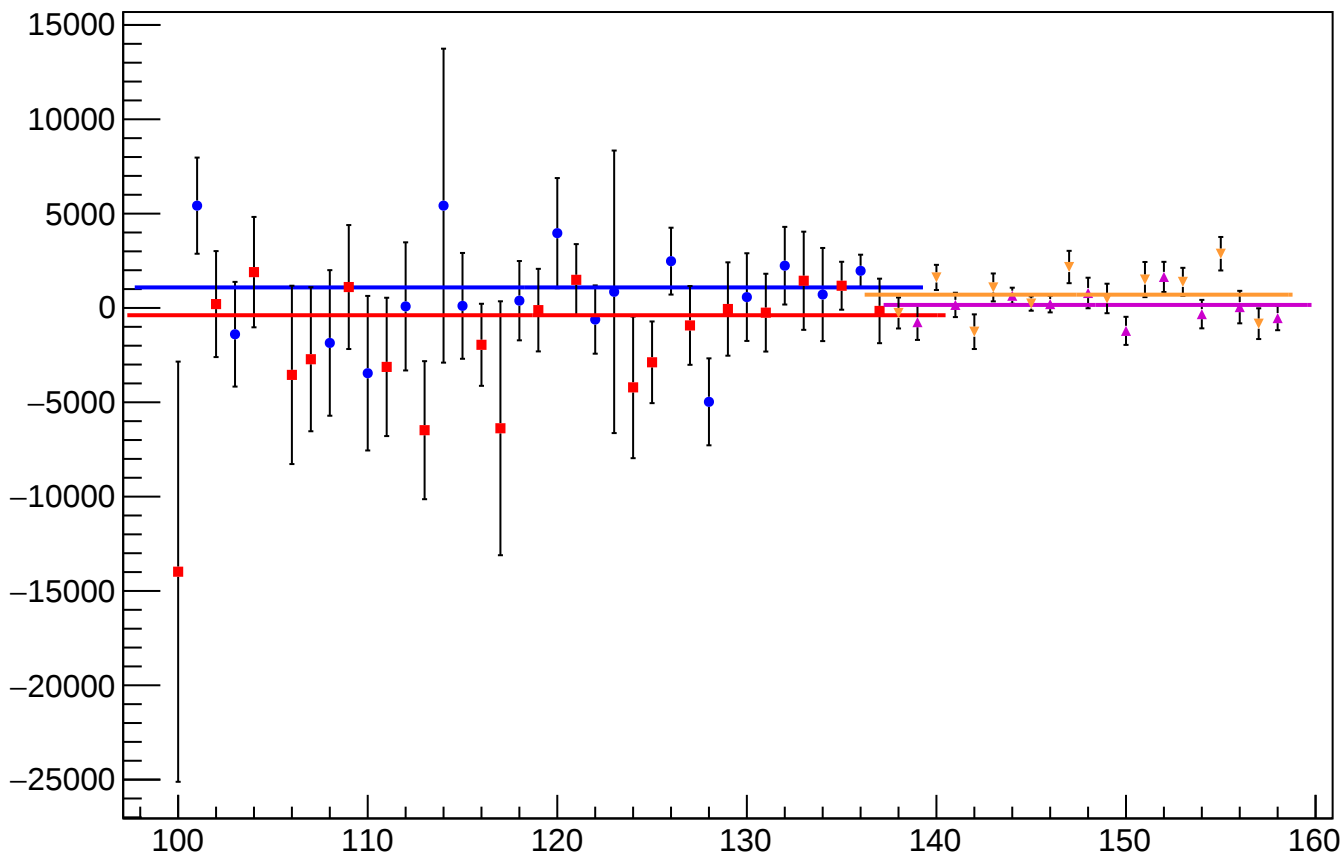
Left In: 541.235+/-0.140 χ^2/NDF : 1248774.3/9

657.917+/-0.136 χ^2/NDF : 6074186.6/27

647.479+/-0.095 χ^2/NDF : 13096495.0/57

637.731+/-0.132 χ^2/NDF : 7010993.4/29

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1089.066 $\pm$ 515.272 χ^2/NDF : 16.9/16

Left Out: 704.494 $\pm$ 211.426 χ^2/NDF : 23.7/10

Right Out: -385.391 $\pm$ 546.382 χ^2/NDF : 13.3/19

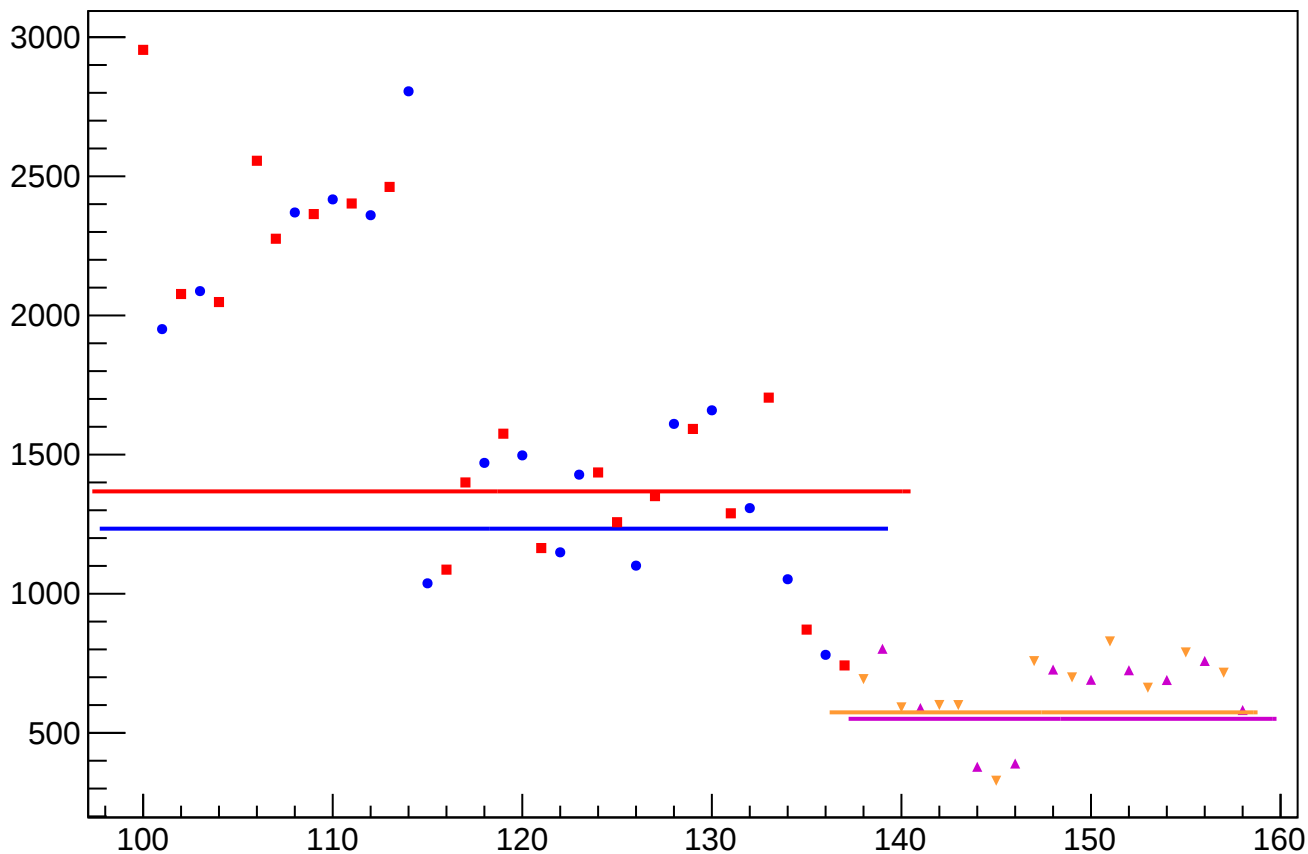
Left In: 160.431 $\pm$ 201.578 χ^2/NDF : 11.3/9

759.911 $\pm$ 195.600 χ^2/NDF : 41.1/27

416.276 $\pm$ 135.960 χ^2/NDF : 72.6/57

95.039 $\pm$ 189.118 χ^2/NDF : 25.5/29

asym_sam_26_avg_rms vs Slug, Sign Corrected



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

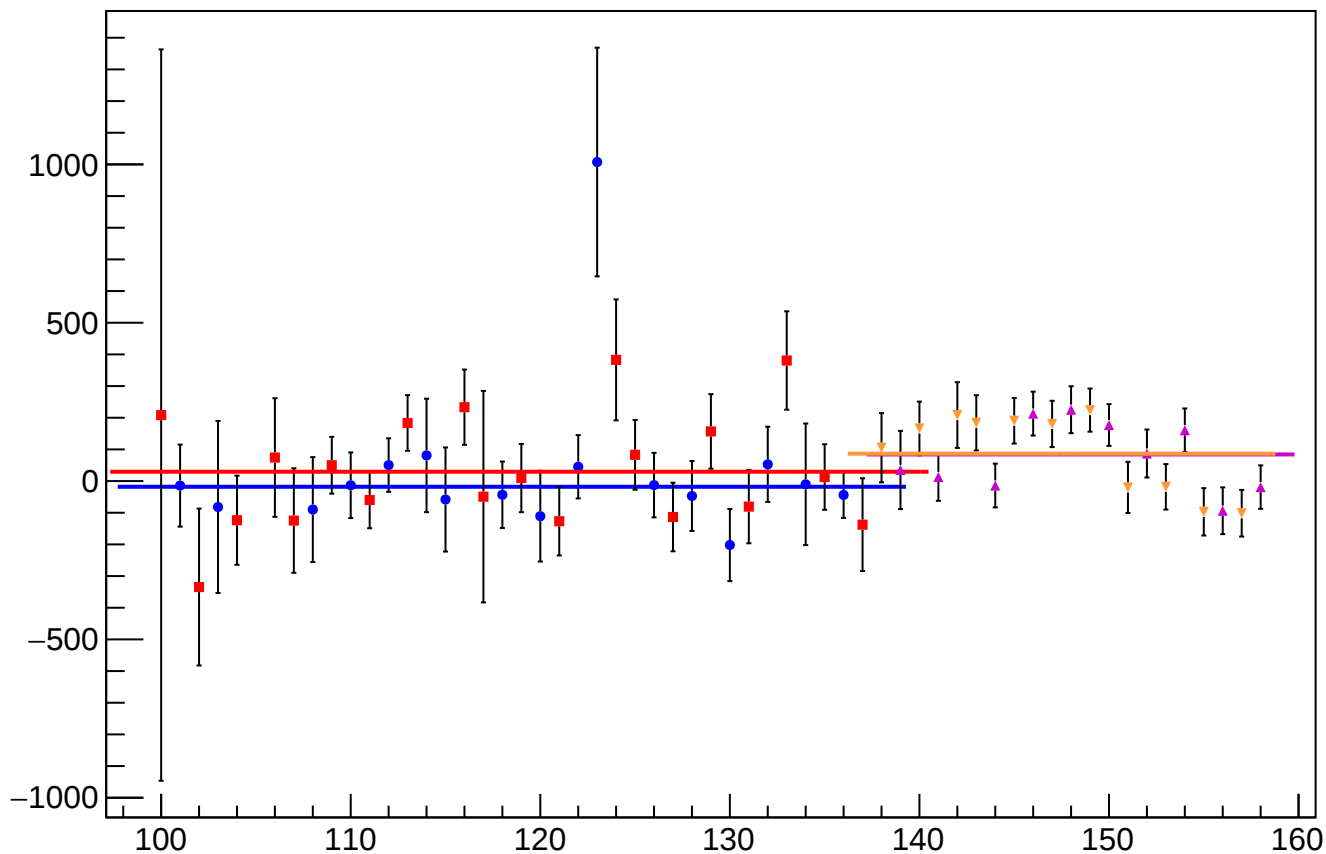
Left In: 550.585+/-0.143 χ^2/NDF : 1194497.5/9

668.921+/-0.138 χ^2/NDF : 5933912.5/27

658.363+/-0.096 χ^2/NDF : 12822666.4/57

648.494+/-0.134 χ^2/NDF : 6877480.6/29

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -17.972 ± 28.848 χ^2/NDF : 13.4/16

Left Out: 86.513 ± 23.876 χ^2/NDF : 27.8/10

Right Out: 29.517 ± 27.879 χ^2/NDF : 27.5/19

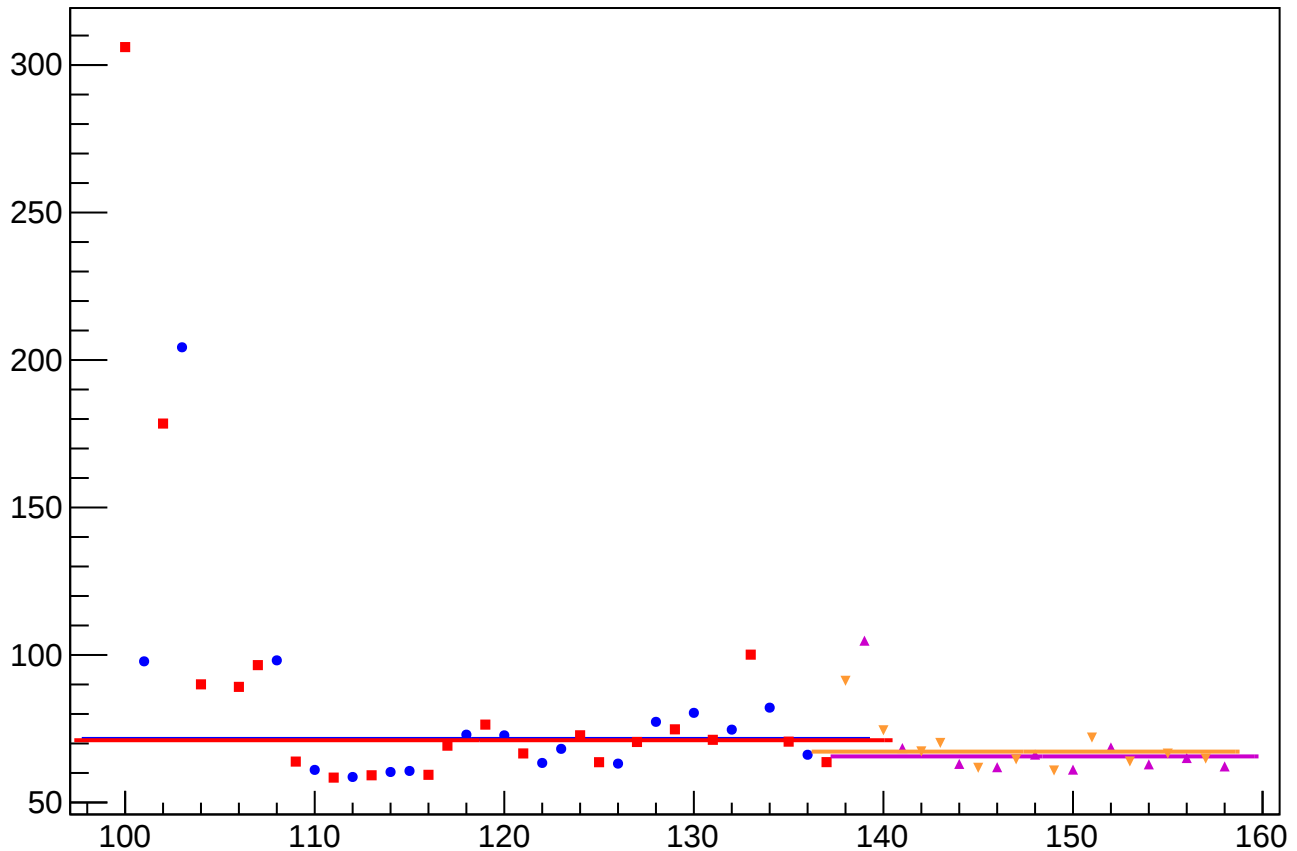
Left In: 84.106 ± 23.226 χ^2/NDF : 21.5/9

44.035 ± 18.394 χ^2/NDF : 49.0/27

53.156 ± 12.808 χ^2/NDF : 100.6/57

61.741 ± 17.845 χ^2/NDF : 51.2/29

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 71.536 $\pm$ 0.020 χ^2 /NDF: 758961.6/16

Left Out: 67.240 $\pm$ 0.017 χ^2 /NDF: 158744.2/10

Right Out: 71.102 $\pm$ 0.020 χ^2 /NDF: 765220.8/19

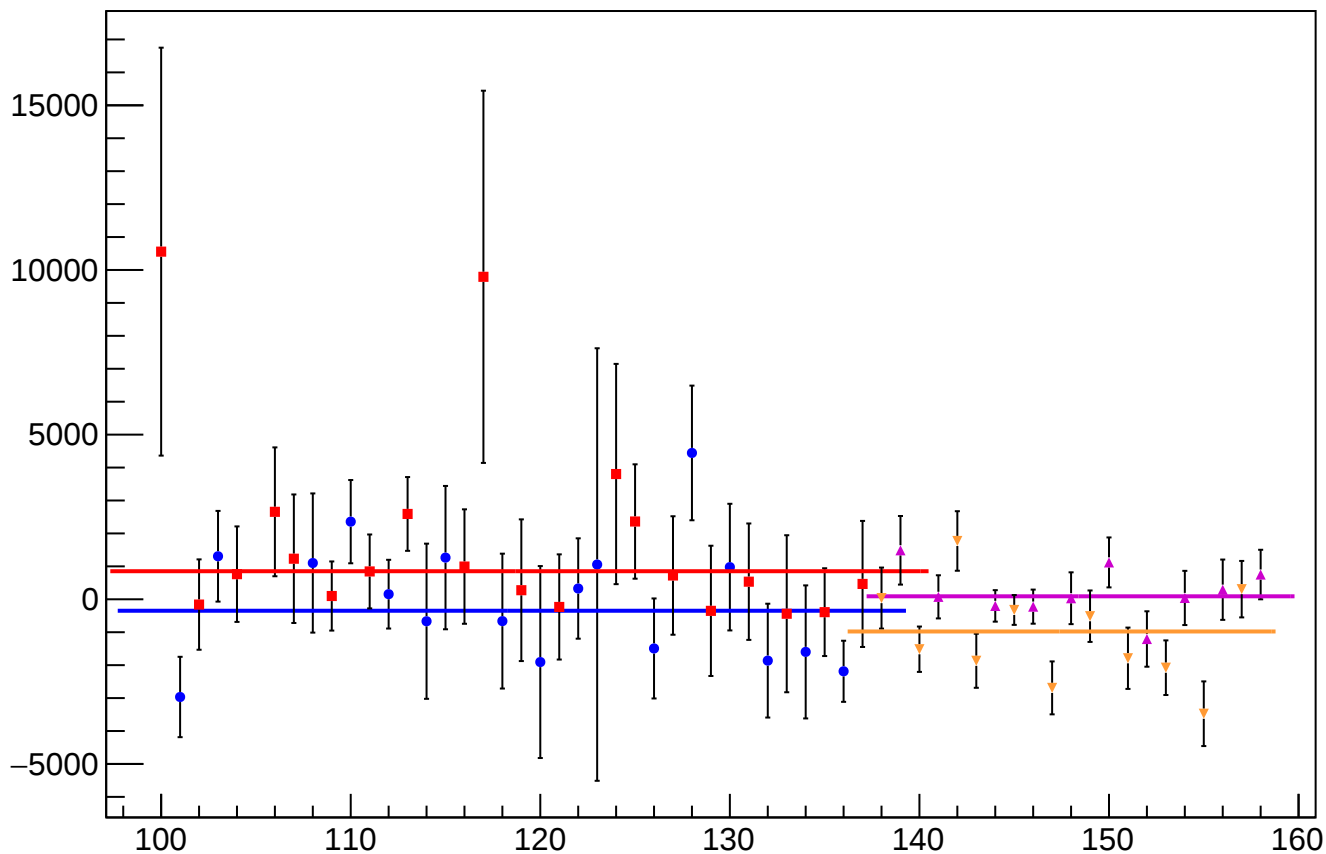
Left In: 65.614 $\pm$ 0.016 χ^2 /NDF: 233721.8/9

68.987 $\pm$ 0.013 χ^2 /NDF: 944024.2/27

68.408 $\pm$ 0.009 χ^2 /NDF: 1992557.7/57

67.863 $\pm$ 0.013 χ^2 /NDF: 1044686.8/29

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: -347.939 $\pm$ 381.994 χ^2 /NDF: 24.1/16

Left Out: -977.341 $\pm$ 229.115 χ^2 /NDF:30.4/10

Right Out: 852.433 $\pm$ 369.018 χ^2 /NDF: 13.0/19

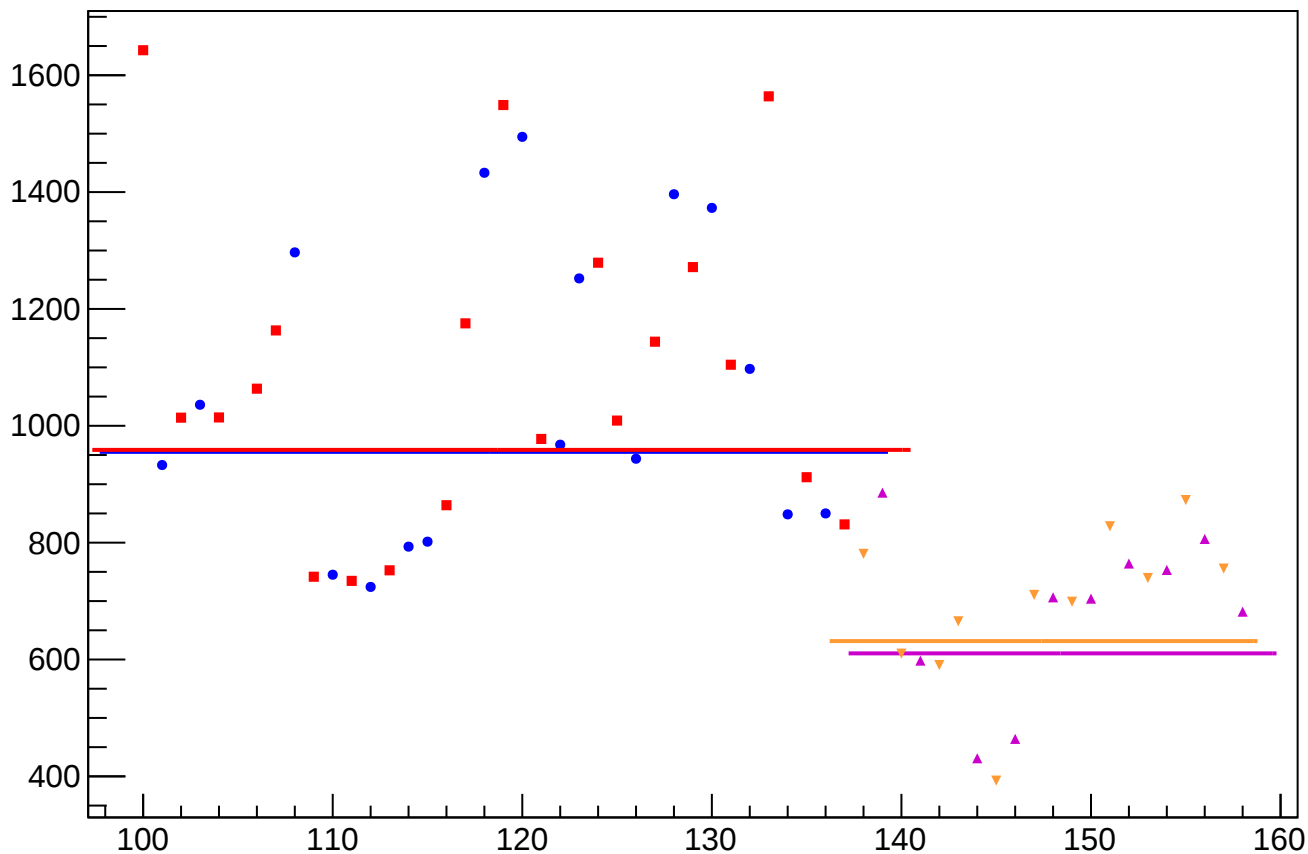
Left In: 90.742 $\pm$ 220.543 χ^2 /NDF:7.6/9

-810.822 $\pm$ 196.483 χ^2 /NDF: 56.5/27

-239.327 $\pm$ 136.328 χ^2 /NDF: 96.5/57

291.203 $\pm$ 189.310 χ^2 /NDF: 23.7/29

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



Right In: 955.425 $\pm$ 0.270 χ^2 /NDF: 646512.4/16

Left Out: 631.538 $\pm$ 0.162 χ^2 /NDF: 937406.2/10

Right Out: 958.776 $\pm$ 0.261 χ^2 /NDF: 696031.2/19

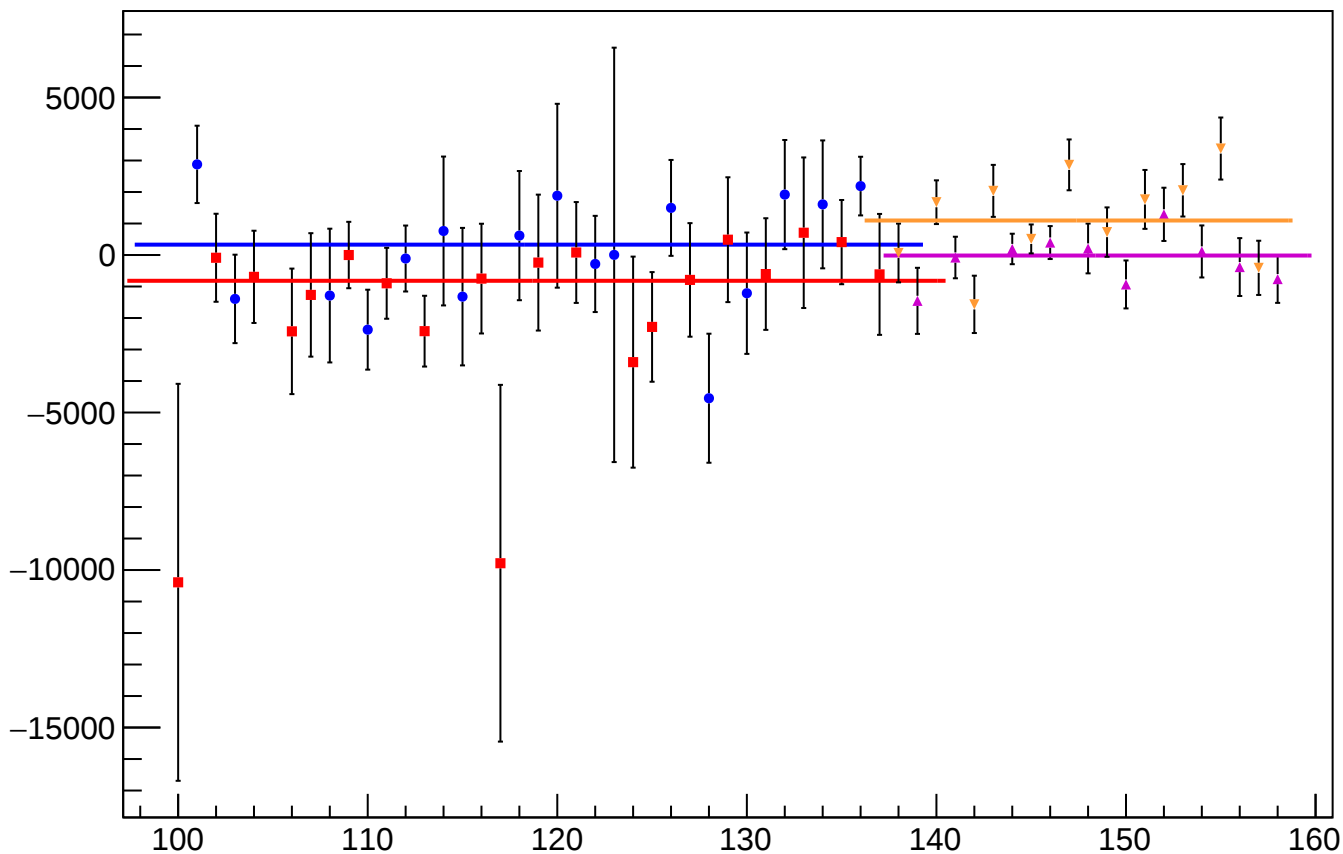
Left In: 610.498 $\pm$ 0.156 χ^2 /NDF: 878491.8/9

717.228 $\pm$ 0.139 χ^2 /NDF: 2641338.6/27

709.413 $\pm$ 0.096 χ^2 /NDF: 5534616.3/57

702.157 $\pm$ 0.134 χ^2 /NDF: 2887175.4/29

asym_sam_37_avg_mean vs Slug, Sign Corrected



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

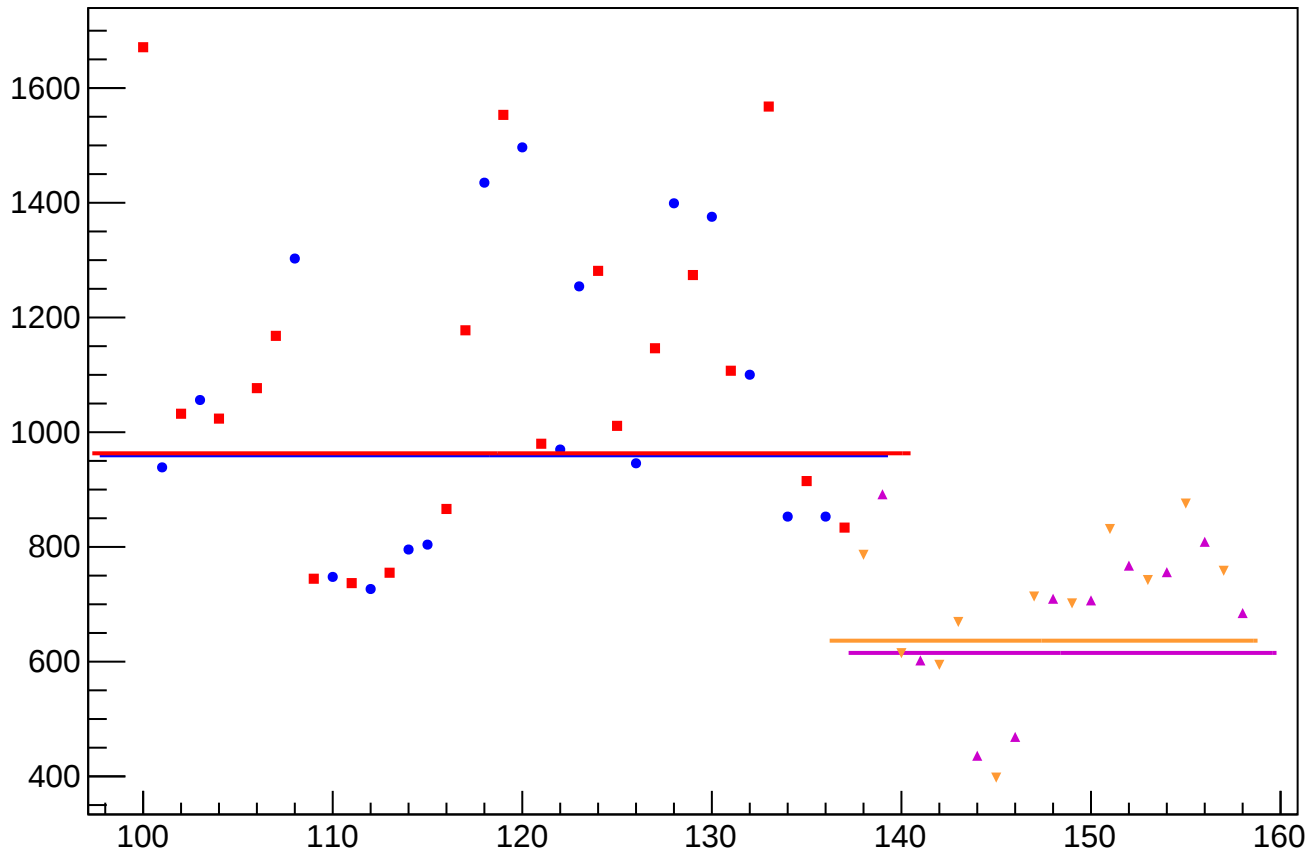
Left In: -16.636 $\pm$ 222.094 χ^2/NDF : 7.8/9

892.053 $\pm$ 197.749 χ^2/NDF : 55.9/27

311.126 $\pm$ 137.211 χ^2/NDF : 95.6/57

-228.224 $\pm$ 190.541 χ^2/NDF : 23.1/29

asym_sam_37_avg_rms vs Slug, Sign Corrected



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

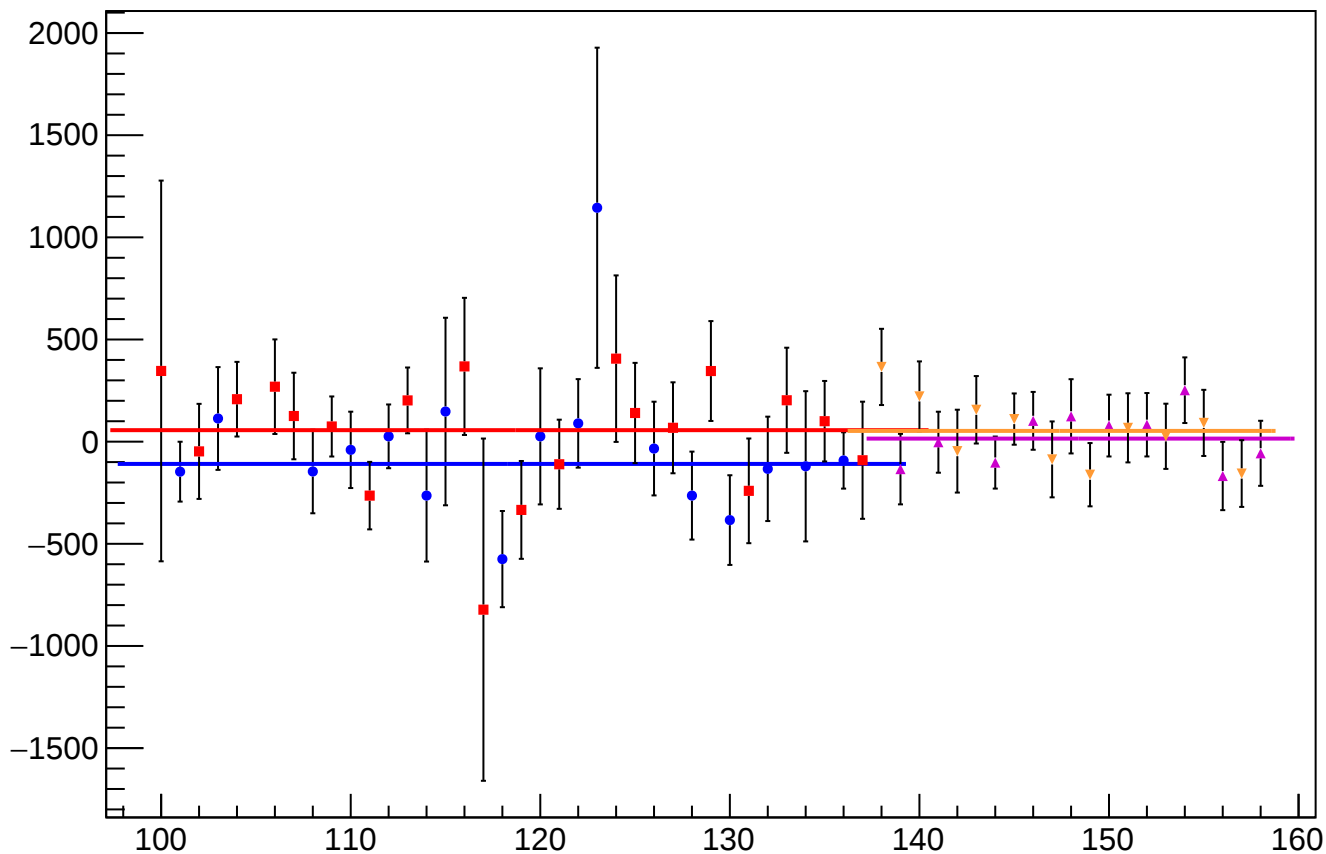
Left In: 615.236 +/- 0.157 χ^2/NDF : 857795.1/9

722.405 +/- 0.140 χ^2/NDF : 2599801.9/27

714.464 +/- 0.097 χ^2/NDF : 5458571.9/57

707.092 +/- 0.135 χ^2/NDF : 2852551.1/29

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



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

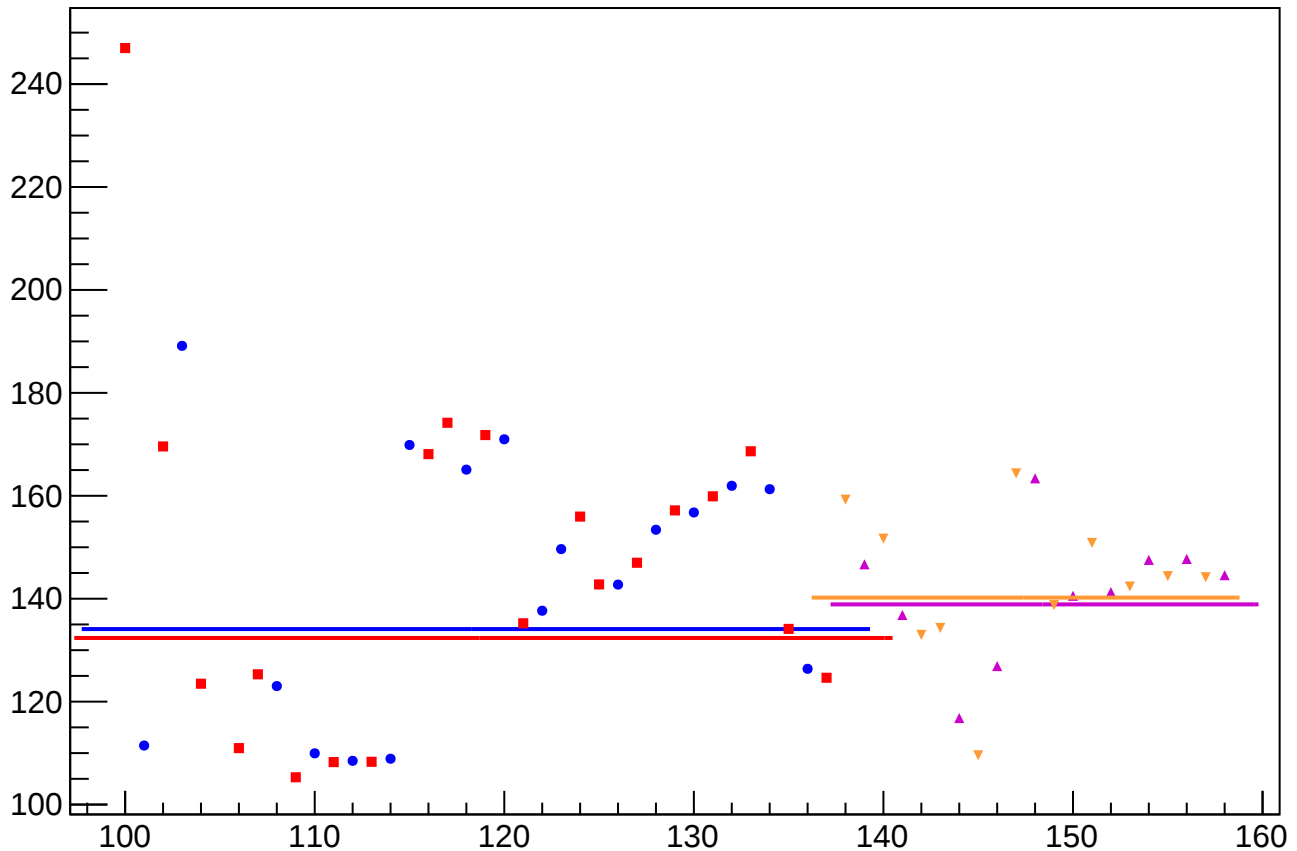
Left In: 14.960 ± 48.823 χ^2/NDF : 6.3/9

-22.794 ± 36.156 χ^2/NDF : 25.8/27

6.798 ± 25.213 χ^2/NDF : 49.7/57

34.811 ± 35.178 χ^2/NDF : 22.6/29

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.103 $\pm$ 0.037 χ^2 /NDF: 402581.2/16

Left Out: 140.217 $\pm$ 0.035 χ^2 /NDF:198875.5/10

Right Out: 132.373 $\pm$ 0.036 χ^2 /NDF: 446741.9/19

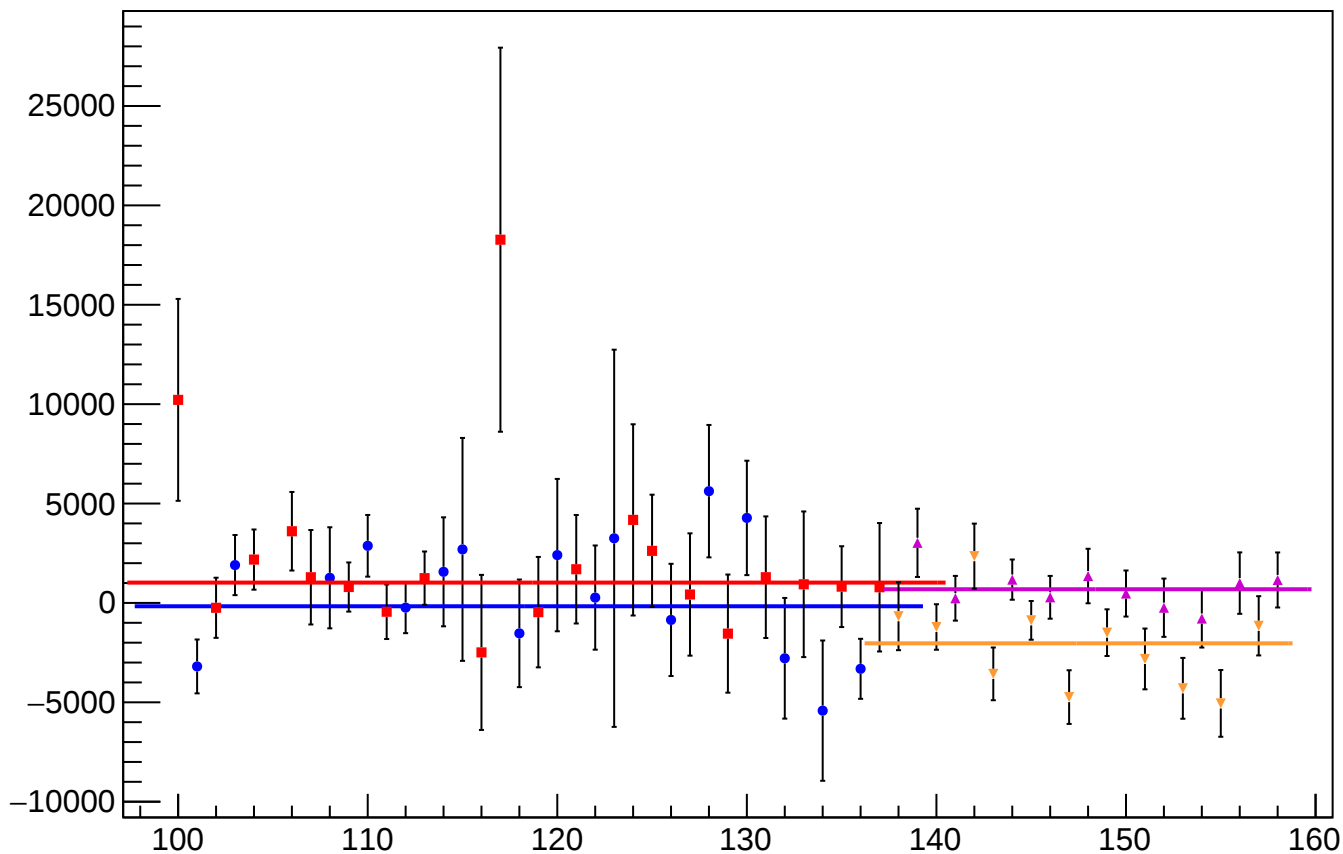
Left In: 138.895 $\pm$ 0.035 χ^2 /NDF:129895.6/9

137.363 $\pm$ 0.026 χ^2 /NDF: 615689.5/27

136.539 $\pm$ 0.018 χ^2 /NDF: 1211513.5/57

135.759 $\pm$ 0.025 χ^2 /NDF: 593799.7/29

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



Right In: -168.237 ± 523.672 $\chi^2/\text{NDF}: 25.3/16$

Left Out: -2032.293 ± 407.113 $\chi^2/\text{NDF}: 21.3/10$

Right Out: 1023.271 ± 480.373 $\chi^2/\text{NDF}: 13.4/19$

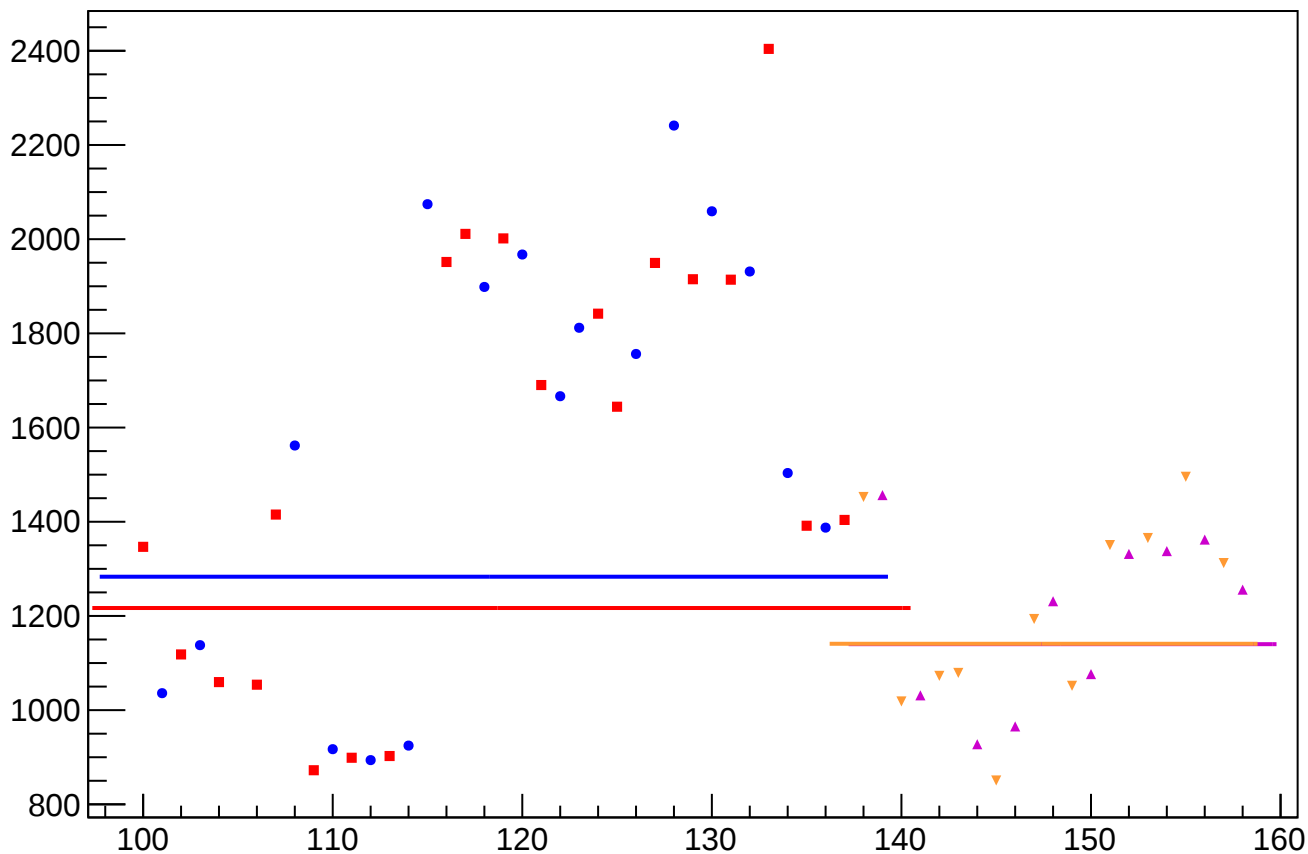
Left In: 687.882 ± 404.175 $\chi^2/\text{NDF}: 4.2/9$

-1330.091 ± 321.411 $\chi^2/\text{NDF}: 54.6/27$

-210.084 ± 222.855 $\chi^2/\text{NDF}: 95.8/57$

826.898 ± 309.269 $\chi^2/\text{NDF}: 17.9/29$

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



Right In: 1283.318 $\pm$ 0.370 χ^2 /NDF: 1169431.5/16

Left Out: 1140.905 $\pm$ 0.288 χ^2 /NDF: 485553.6/10

Right Out: 1216.852 $\pm$ 0.340 χ^2 /NDF: 1374416.0/19

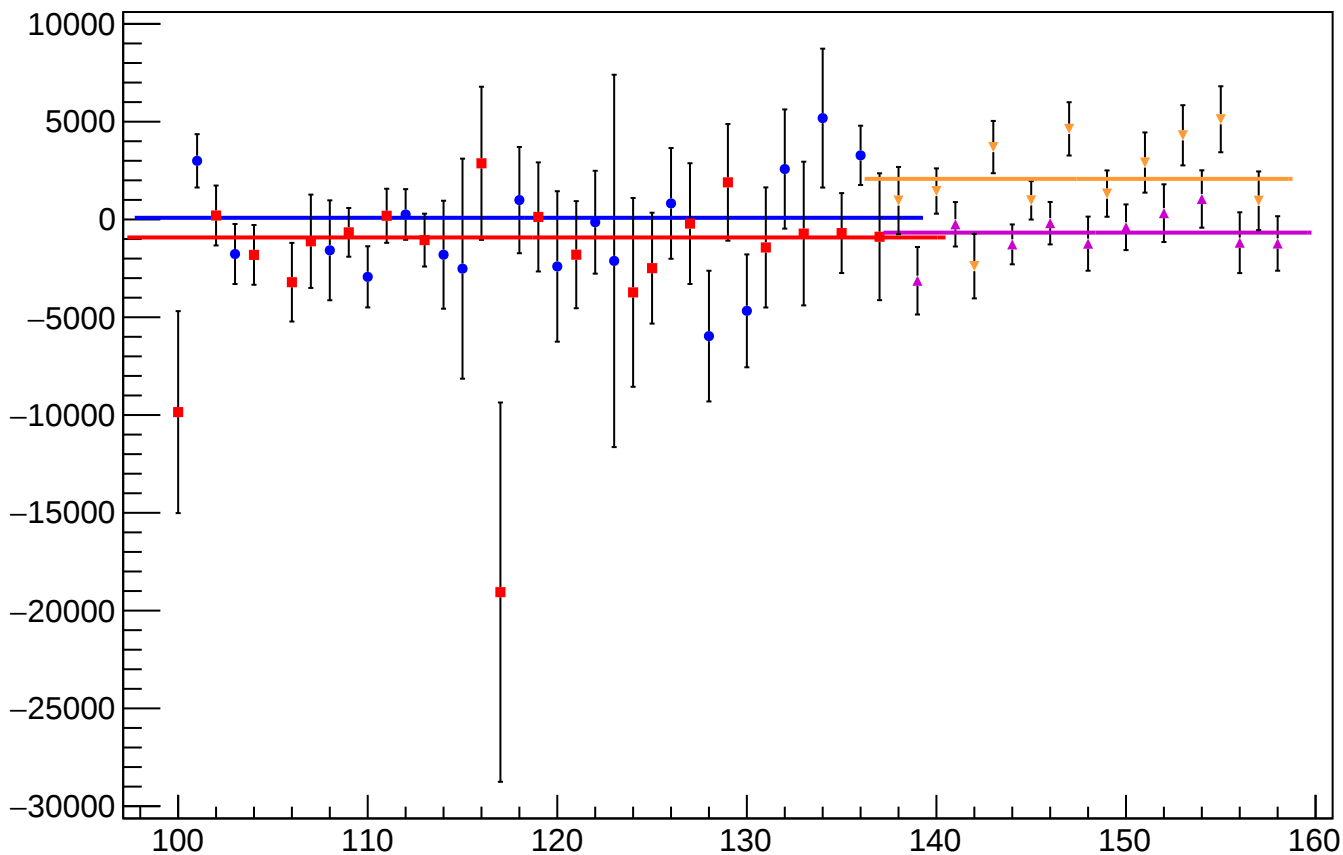
Left In: 1140.073 $\pm$ 0.286 χ^2 /NDF: 368489.5/9

1194.553 $\pm$ 0.227 χ^2 /NDF: 1747178.7/27

1182.789 $\pm$ 0.158 χ^2 /NDF: 3525158.7/57

1171.897 $\pm$ 0.219 χ^2 /NDF: 1772820.2/29

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 85.077 $\pm$ 527.082 χ^2 /NDF: 24.7/16

Left Out: 2075.784 $\pm$ 410.359 χ^2 /NDF:20.9/10

Right Out: -919.892 $\pm$ 484.043 χ^2 /NDF: 12.2/19

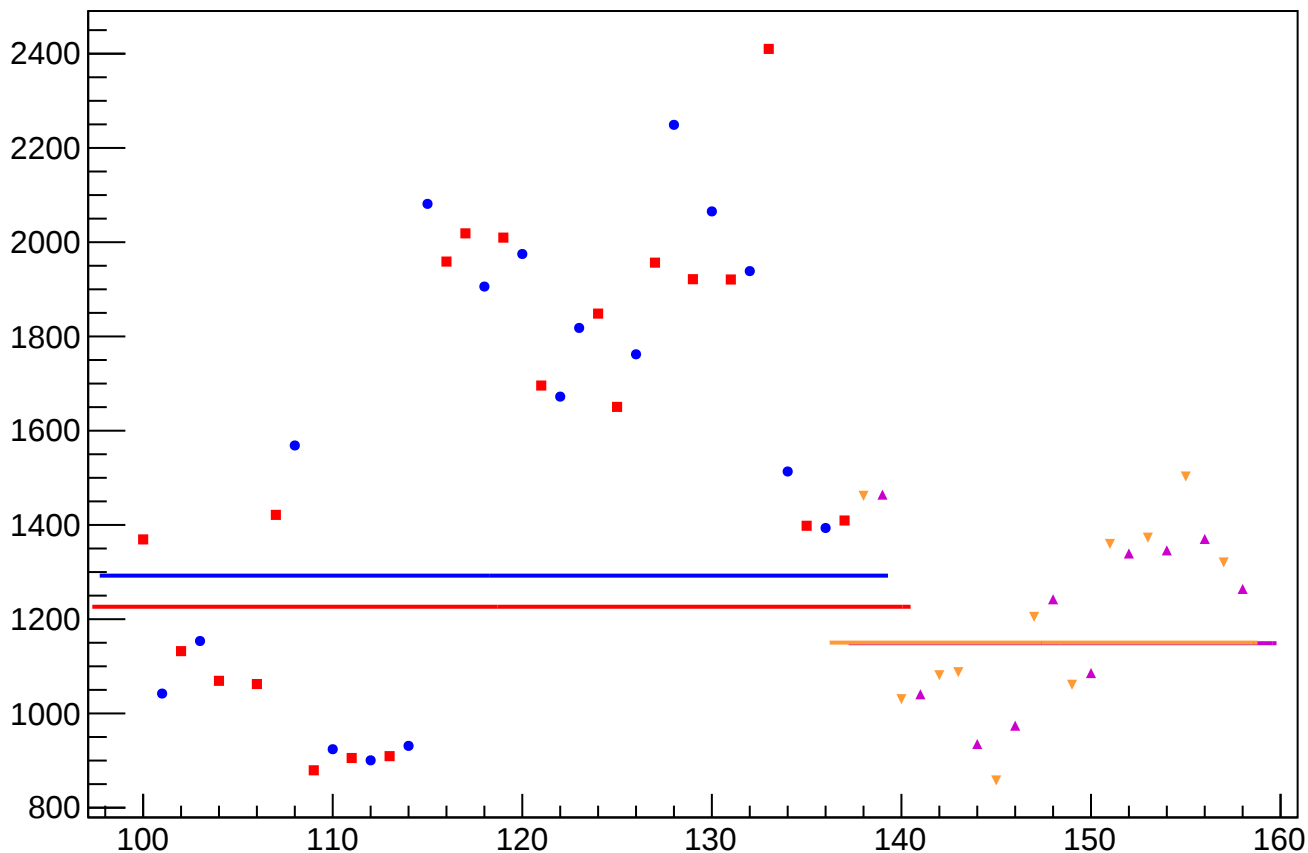
Left In: -673.102 $\pm$ 407.274 χ^2 /NDF:5.0/9

1324.516 $\pm$ 323.797 χ^2 /NDF: 54.5/27

234.388 $\pm$ 224.536 χ^2 /NDF: 93.7/57

-775.398 $\pm$ 311.637 χ^2 /NDF: 17.4/29

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1292.426 $\pm$ 0.373 χ^2 /NDF: 1156576.0/16

Left Out: 1150.311 $\pm$ 0.290 χ^2 /NDF: 478877.0/10

Right Out: 1226.408 $\pm$ 0.342 χ^2 /NDF: 1359134.9/19

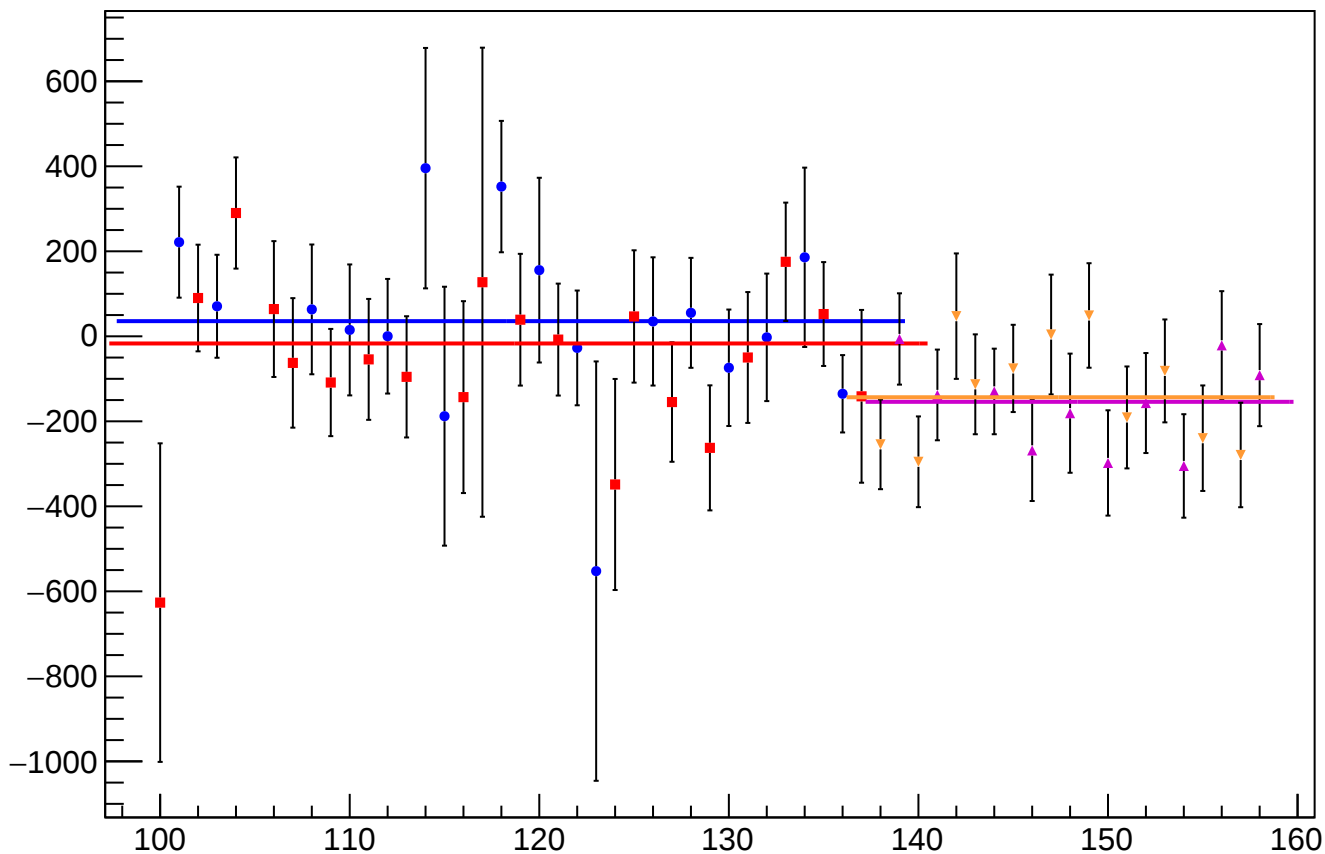
Left In: 1149.051 $\pm$ 0.288 χ^2 /NDF: 363411.5/9

1203.944 $\pm$ 0.229 χ^2 /NDF: 1725977.4/27

1192.093 $\pm$ 0.159 χ^2 /NDF: 3483592.6/57

1181.116 $\pm$ 0.220 χ^2 /NDF: 1752454.7/29

reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 35.679+/-36.350 χ^2/NDF : 15.3/16

Left Out: -143.382+/-35.897 χ^2/NDF : 11.1/10

Right Out: -16.849+/-34.623 χ^2/NDF : 19.0/19

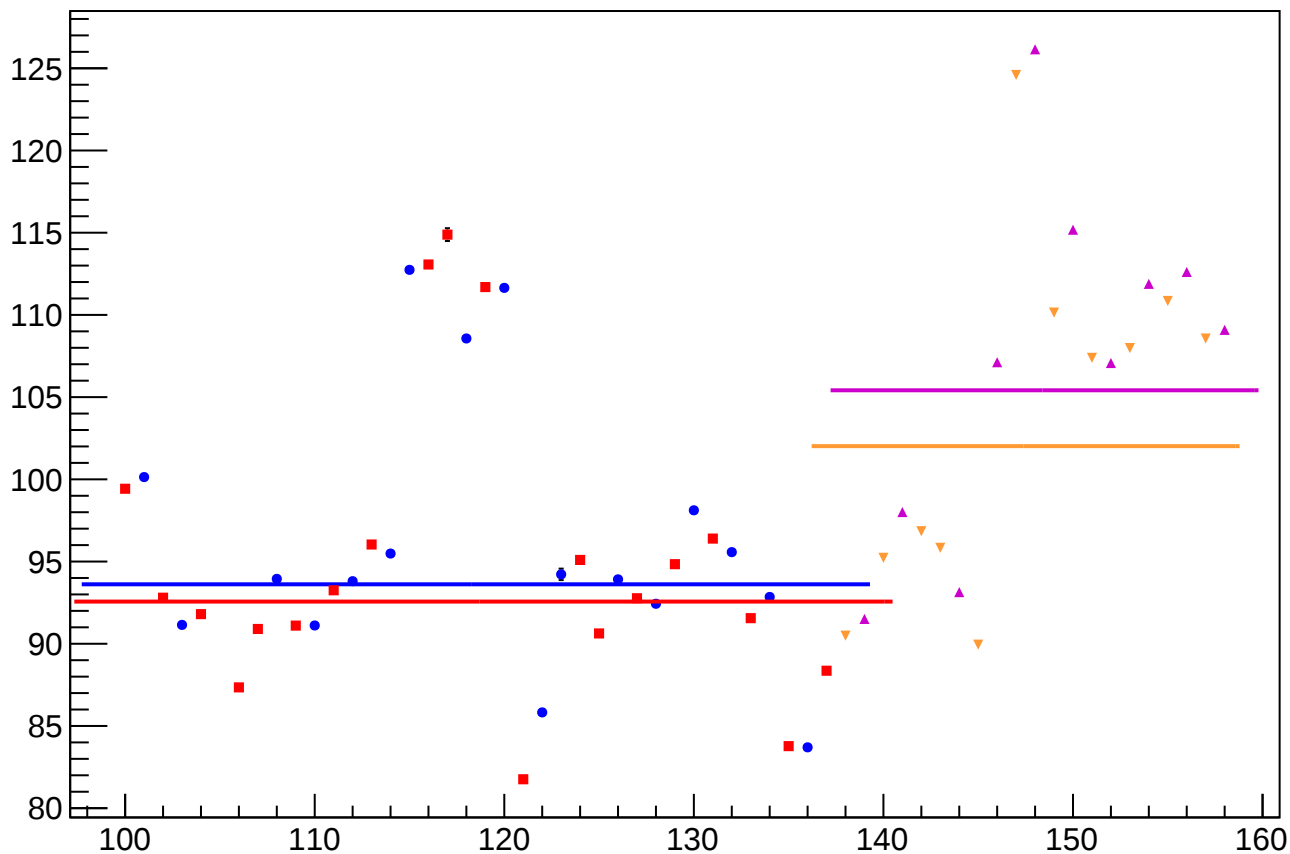
Left In: -154.138+/-37.001 χ^2/NDF : 7.2/9

-54.976+/-25.542 χ^2/NDF : 38.7/27

-68.091+/-17.968 χ^2/NDF : 72.7/57

-80.940+/-25.281 χ^2/NDF : 33.5/29

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 93.616 $\pm$ 0.026 χ^2/NDF : 79928.5/16

Left Out: 102.019 $\pm$ 0.025 χ^2/NDF : 152332.2/10

Right Out: 92.565 $\pm$ 0.024 χ^2/NDF : 81875.5/19

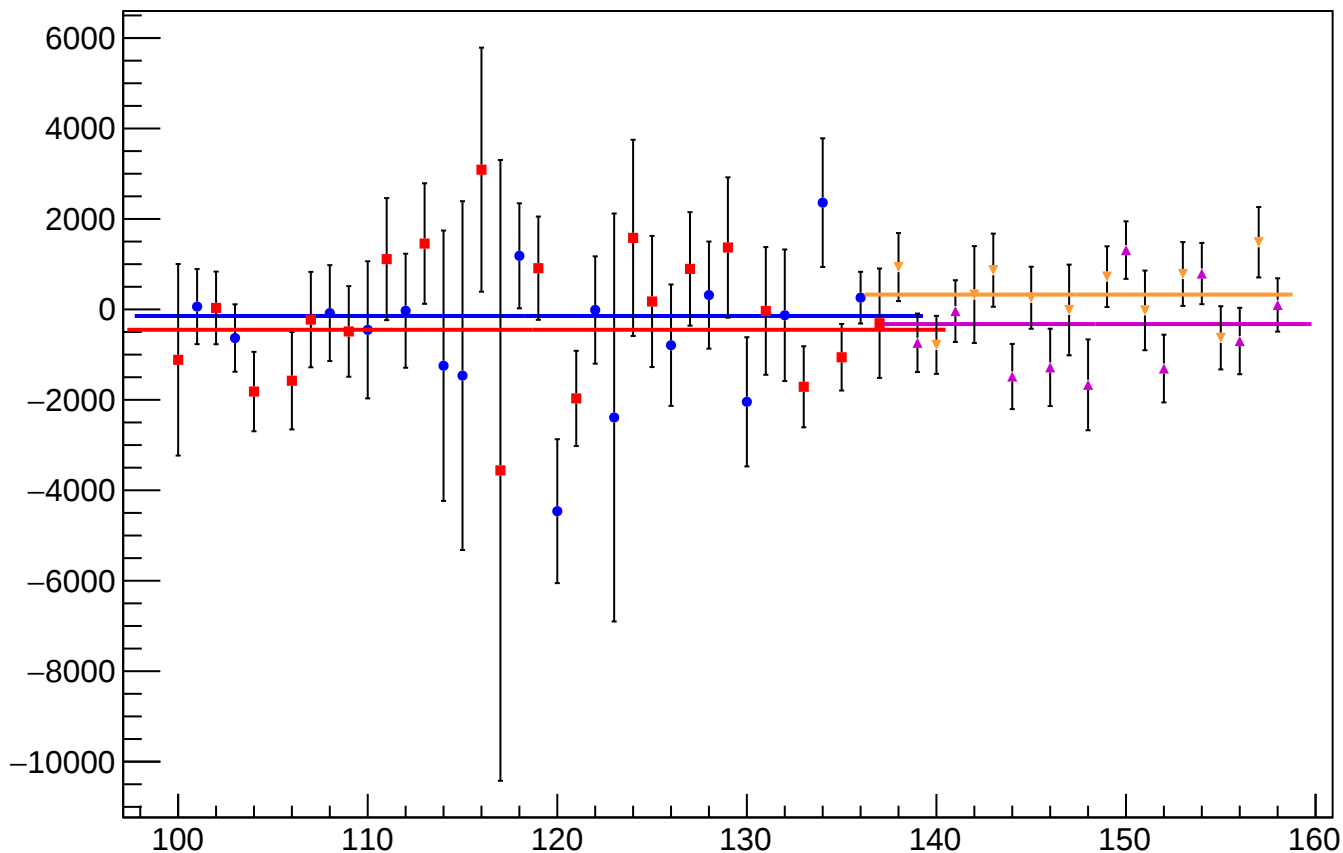
Left In: 105.416 $\pm$ 0.026 χ^2/NDF : 143812.2/9

97.870 $\pm$ 0.018 χ^2/NDF : 286364.9/27

98.221 $\pm$ 0.013 χ^2/NDF : 641429.1/57

98.565 $\pm$ 0.018 χ^2/NDF : 354317.1/29

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



Right In: -145.464 $\pm$ 276.629 χ^2/NDF : 15.5/16

Left Out: 327.910 $\pm$ 229.836 χ^2/NDF : 9.2/10

Right Out: -450.047 $\pm$ 260.089 χ^2/NDF : 19.2/19

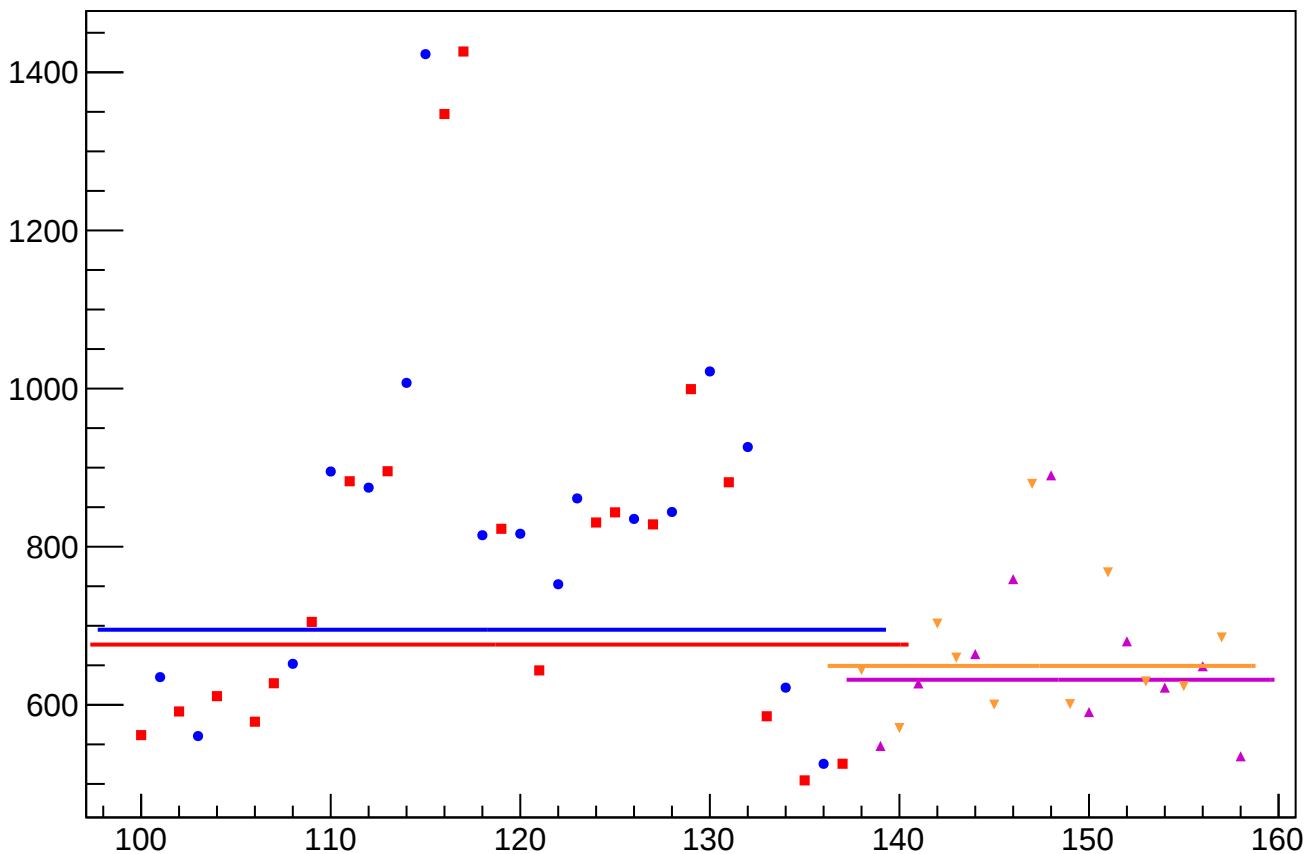
Left In: -324.402 $\pm$ 223.697 χ^2/NDF : 18.0/9

134.589 $\pm$ 176.781 χ^2/NDF : 26.4/27

-132.242 $\pm$ 122.384 χ^2/NDF : 68.2/57

-377.826 $\pm$ 169.597 χ^2/NDF : 37.4/29

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



Right In: 695.014 $\pm$ 0.196 χ^2 /NDF: 677713.0/16

Left Out: 649.258 $\pm$ 0.163 χ^2 /NDF: 206065.3/10

Right Out: 676.229 $\pm$ 0.184 χ^2 /NDF: 700313.6/19

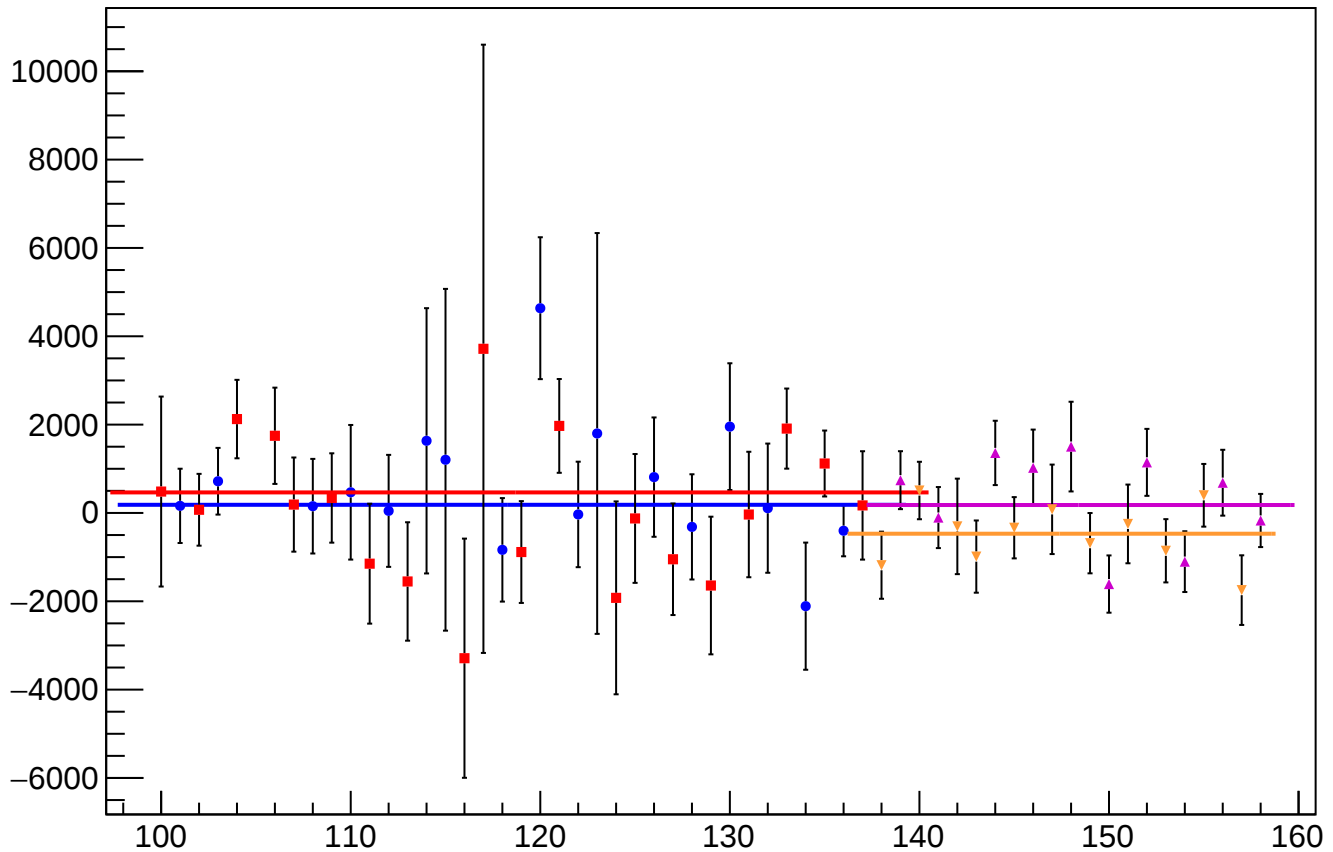
Left In: 631.753 $\pm$ 0.158 χ^2 /NDF: 286481.9/9

667.944 $\pm$ 0.125 χ^2 /NDF: 916149.5/27

658.946 $\pm$ 0.087 χ^2 /NDF: 1946513.7/57

650.664 $\pm$ 0.120 χ^2 /NDF: 1020413.1/29

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 184.518 $\pm$ 279.390 χ^2/NDF : 14.9/16

Left Out: -470.158 $\pm$ 232.810 χ^2/NDF : 8.5/10

Right Out: 464.916 $\pm$ 262.768 χ^2/NDF : 22.5/19

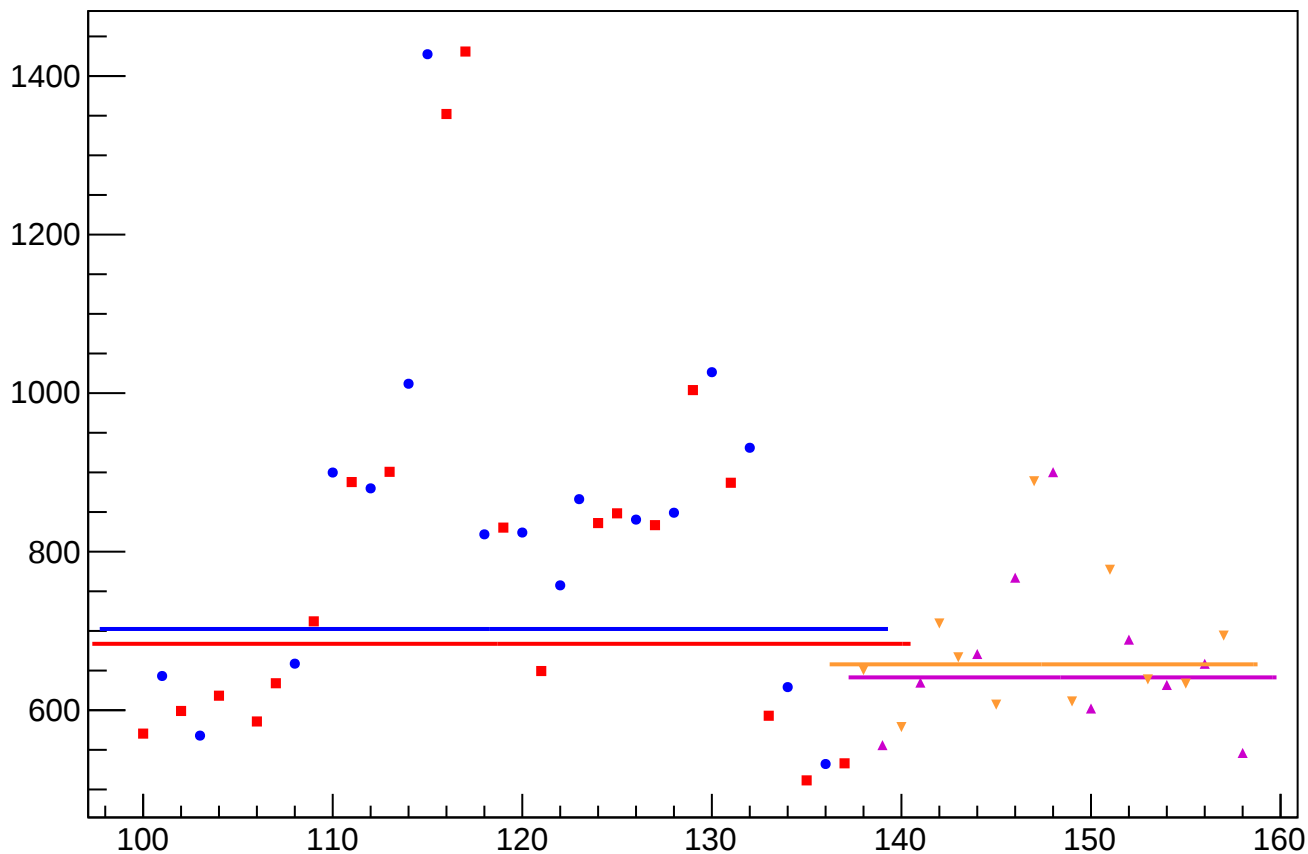
Left In: 179.741 $\pm$ 227.007 χ^2/NDF : 19.7/9

-201.868 $\pm$ 178.855 χ^2/NDF : 26.7/27

60.027 $\pm$ 123.893 χ^2/NDF : 73.7/57

301.617 $\pm$ 171.781 χ^2/NDF : 42.9/29

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 702.469 $\pm$ 0.198 χ^2/NDF : 660525.4/16

Left Out: 657.862 $\pm$ 0.165 χ^2/NDF : 202557.9/10

Right Out: 683.751 $\pm$ 0.186 χ^2/NDF : 683105.3/19

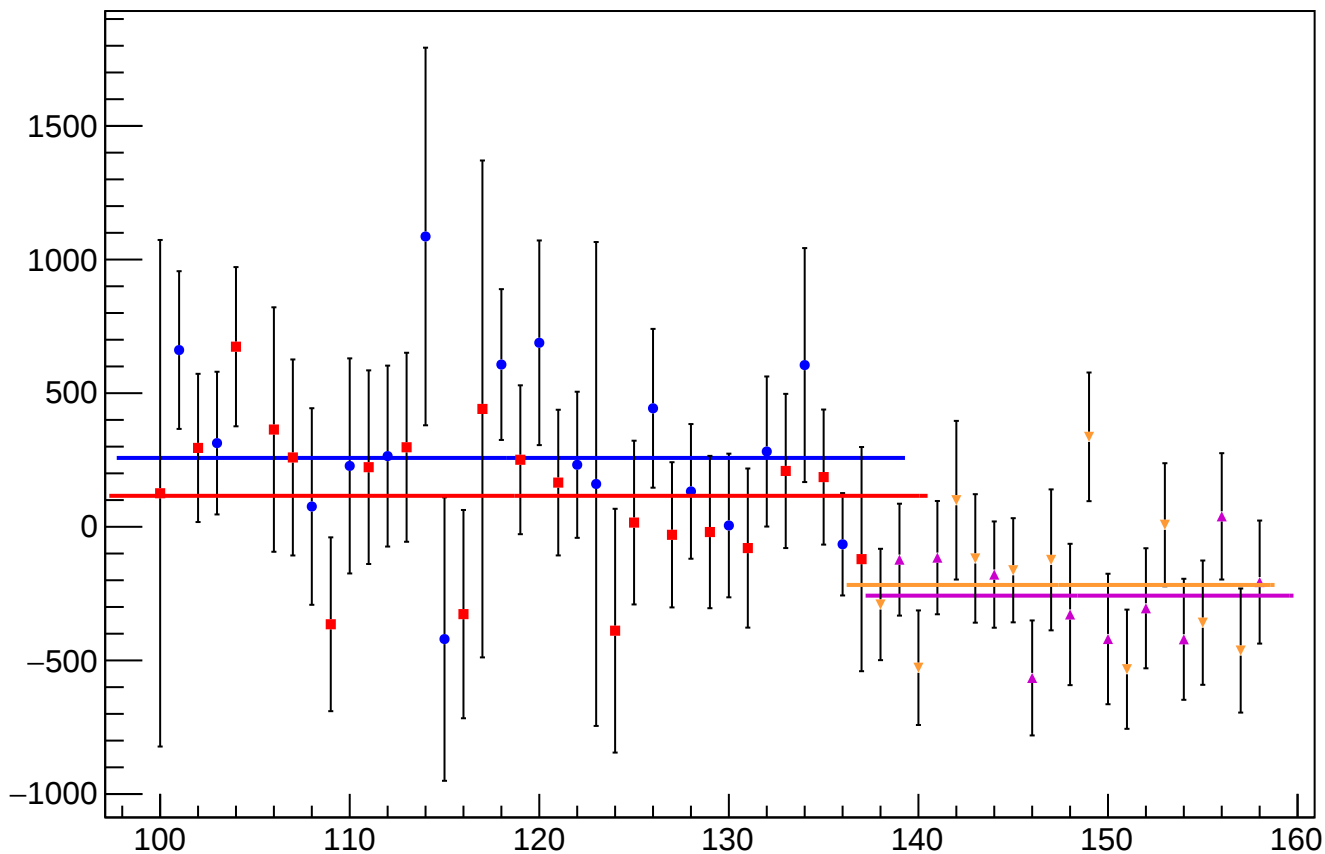
Left In: 641.408 $\pm$ 0.161 χ^2/NDF : 276606.2/9

676.142 $\pm$ 0.126 χ^2/NDF : 893172.9/27

667.488 $\pm$ 0.088 χ^2/NDF : 1891625.9/57

659.504 $\pm$ 0.121 χ^2/NDF : 989450.7/29

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 257.721 $\pm$ 75.931 χ^2 /NDF: 13.0/16

Left Out: -217.571 $\pm$ 69.431 χ^2 /NDF:13.5/10

Right Out: 115.922 $\pm$ 73.976 χ^2 /NDF: 11.4/19

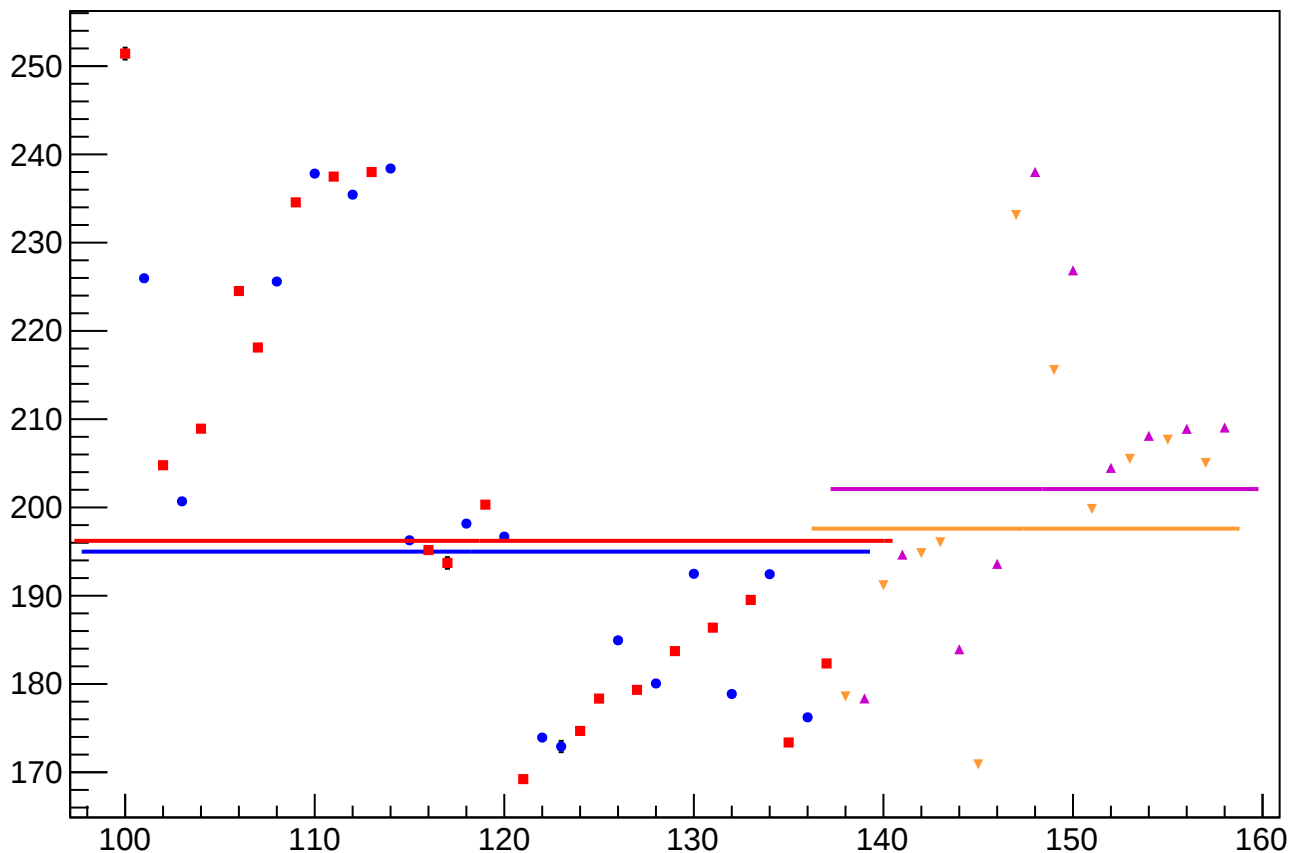
Left In: -257.630 $\pm$ 70.863 χ^2 /NDF:5.8/9

-1.138 $\pm$ 51.239 χ^2 /NDF: 47.8/27

-40.058 $\pm$ 36.208 χ^2 /NDF: 79.4/57

-78.878 $\pm$ 51.173 χ^2 /NDF: 30.4/29

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 194.994 $\pm$ 0.054 χ^2 /NDF: 144271.1/16

Left Out: 197.600 $\pm$ 0.049 χ^2 /NDF: 112097.0/10

Right Out: 196.219 $\pm$ 0.052 χ^2 /NDF: 173506.2/19

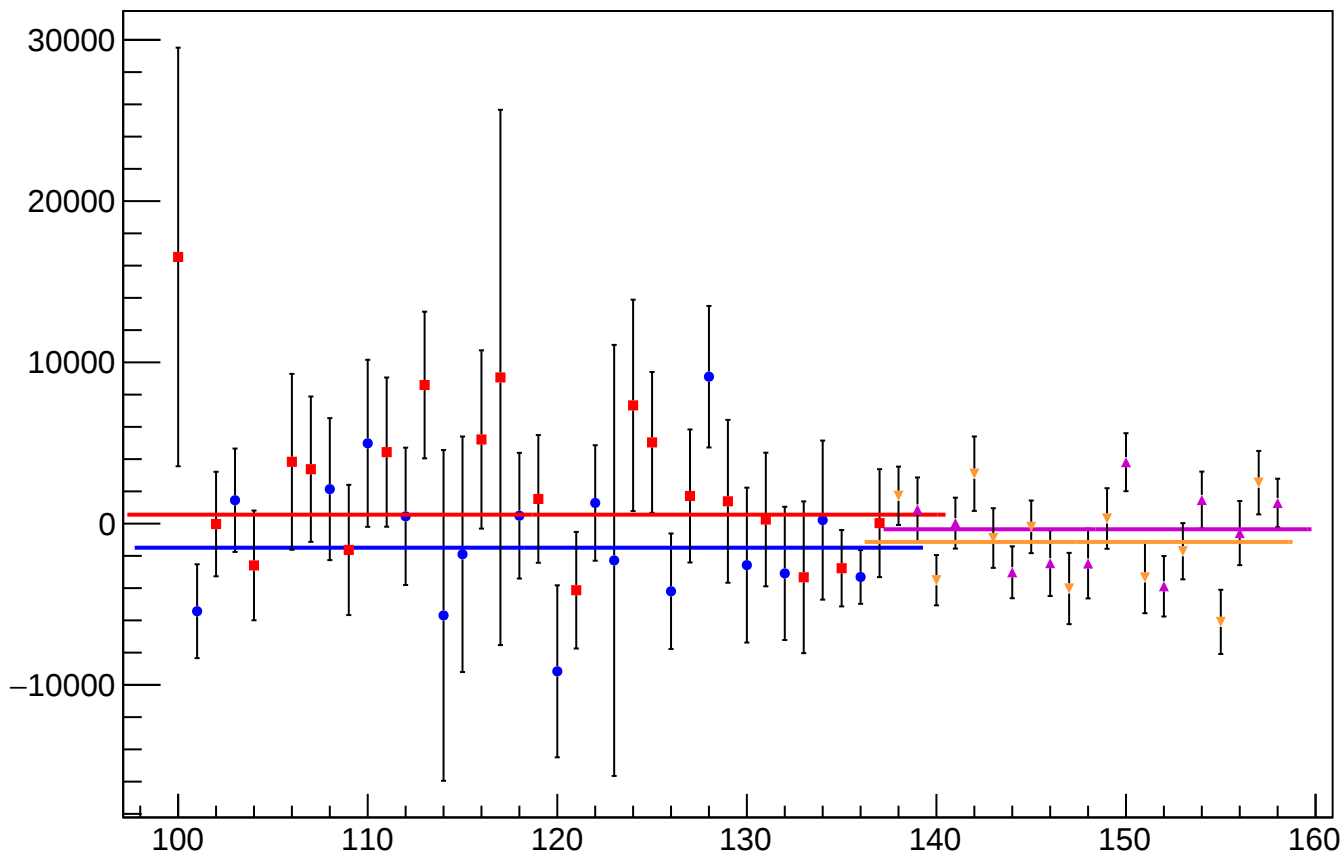
Left In: 202.086 $\pm$ 0.050 χ^2 /NDF: 110562.3/9

196.414 $\pm$ 0.036 χ^2 /NDF: 257651.0/27

197.848 $\pm$ 0.026 χ^2 /NDF: 551408.6/57

199.278 $\pm$ 0.036 χ^2 /NDF: 290627.8/29

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -1493.280 $\pm$ 910.834 χ^2 /NDF: 16.1/16

Left Out: -1135.570 $\pm$ 567.578 χ^2 /NDF:21.6/10

Right Out: 555.744 $\pm$ 933.239 χ^2 /NDF: 14.9/19

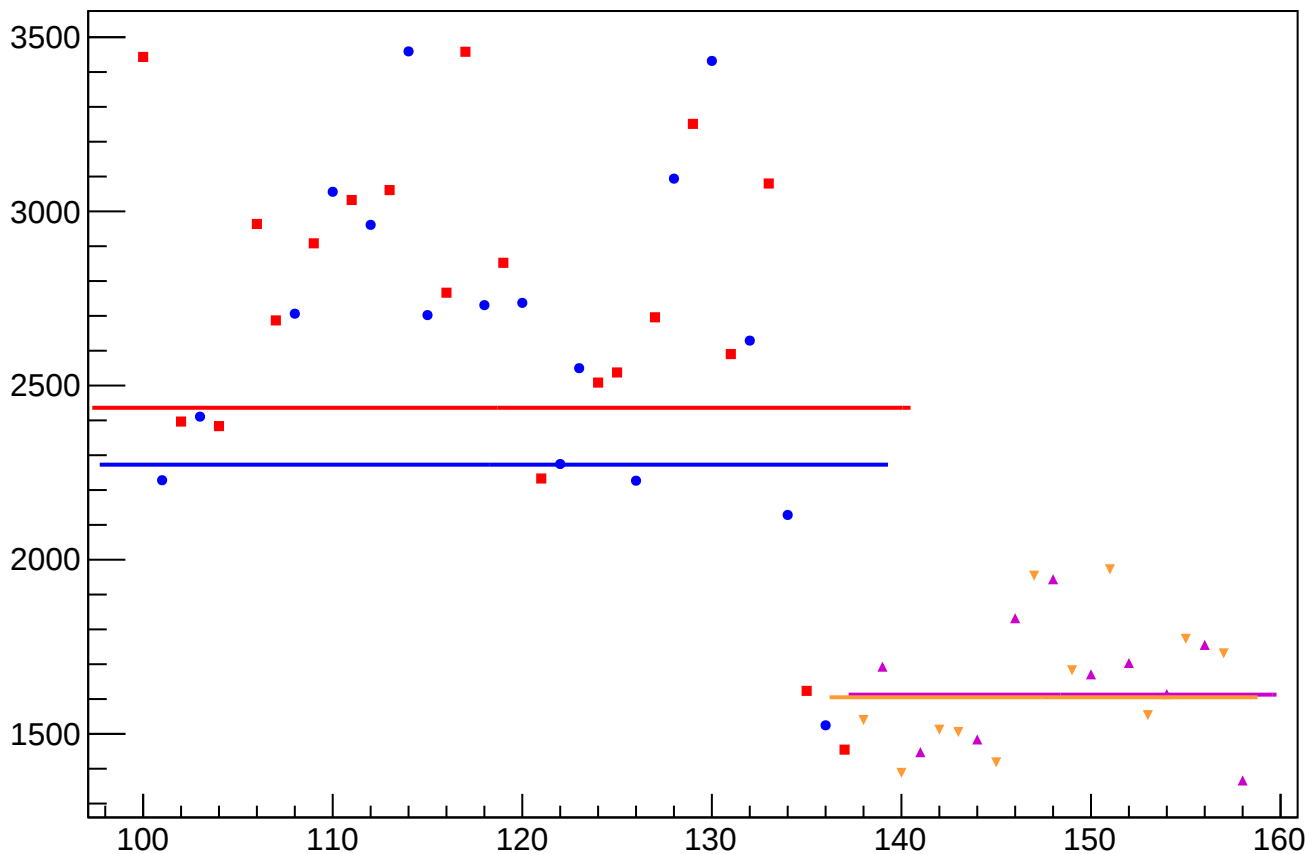
Left In: -350.610 $\pm$ 567.483 χ^2 /NDF:16.4/9

-1235.621 $\pm$ 481.707 χ^2 /NDF: 37.9/27

-674.486 $\pm$ 341.733 χ^2 /NDF: 72.6/57

-105.944 $\pm$ 484.876 χ^2 /NDF: 32.0/29

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



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

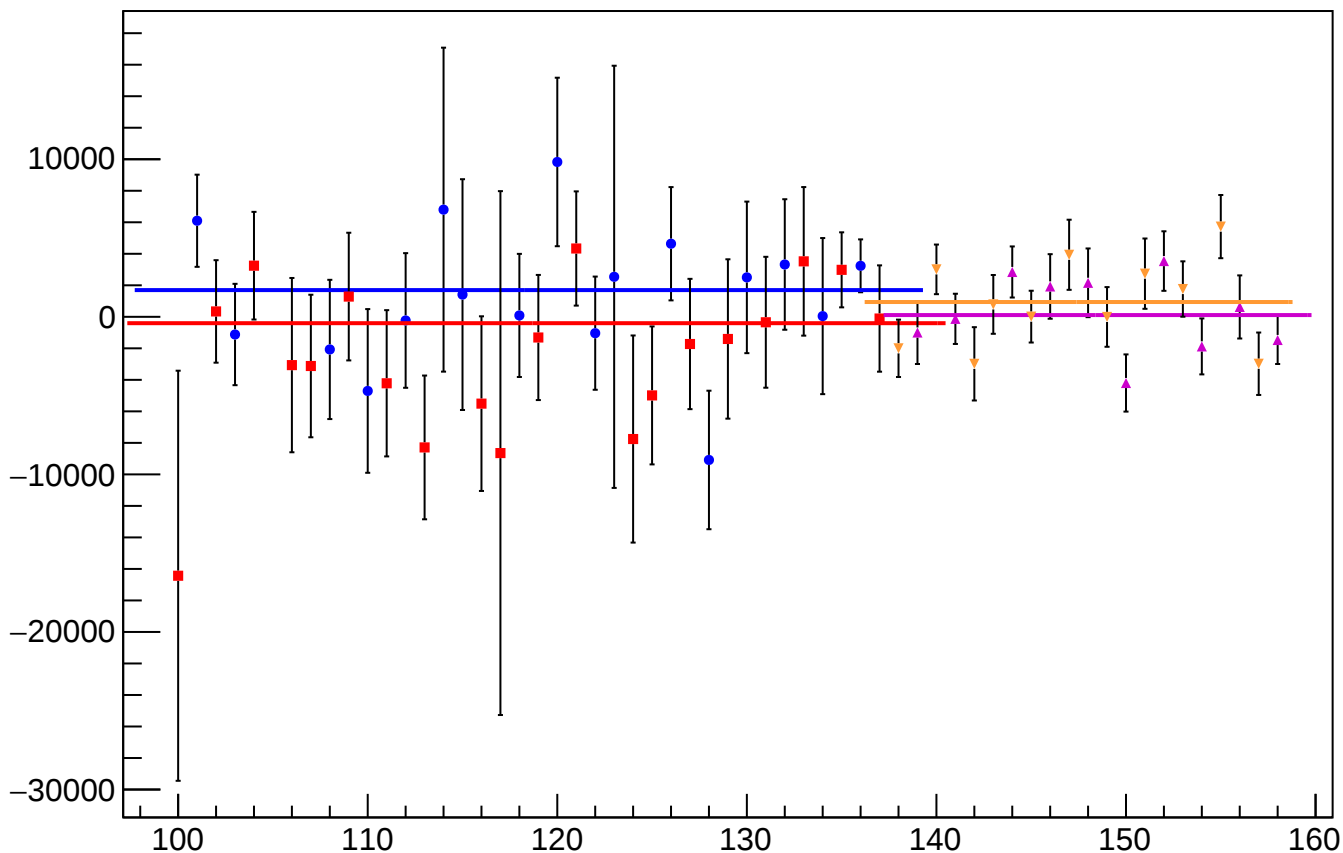
Left In: 1612.667+/-0.401 χ^2/NDF : 178567.9/9

1791.842+/-0.341 χ^2/NDF : 1789062.1/27

1813.266+/-0.242 χ^2/NDF : 3800964.8/57

1834.973+/-0.343 χ^2/NDF : 2003938.0/29

asym_sam_26_dd_mean vs Slug, Sign Corrected



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

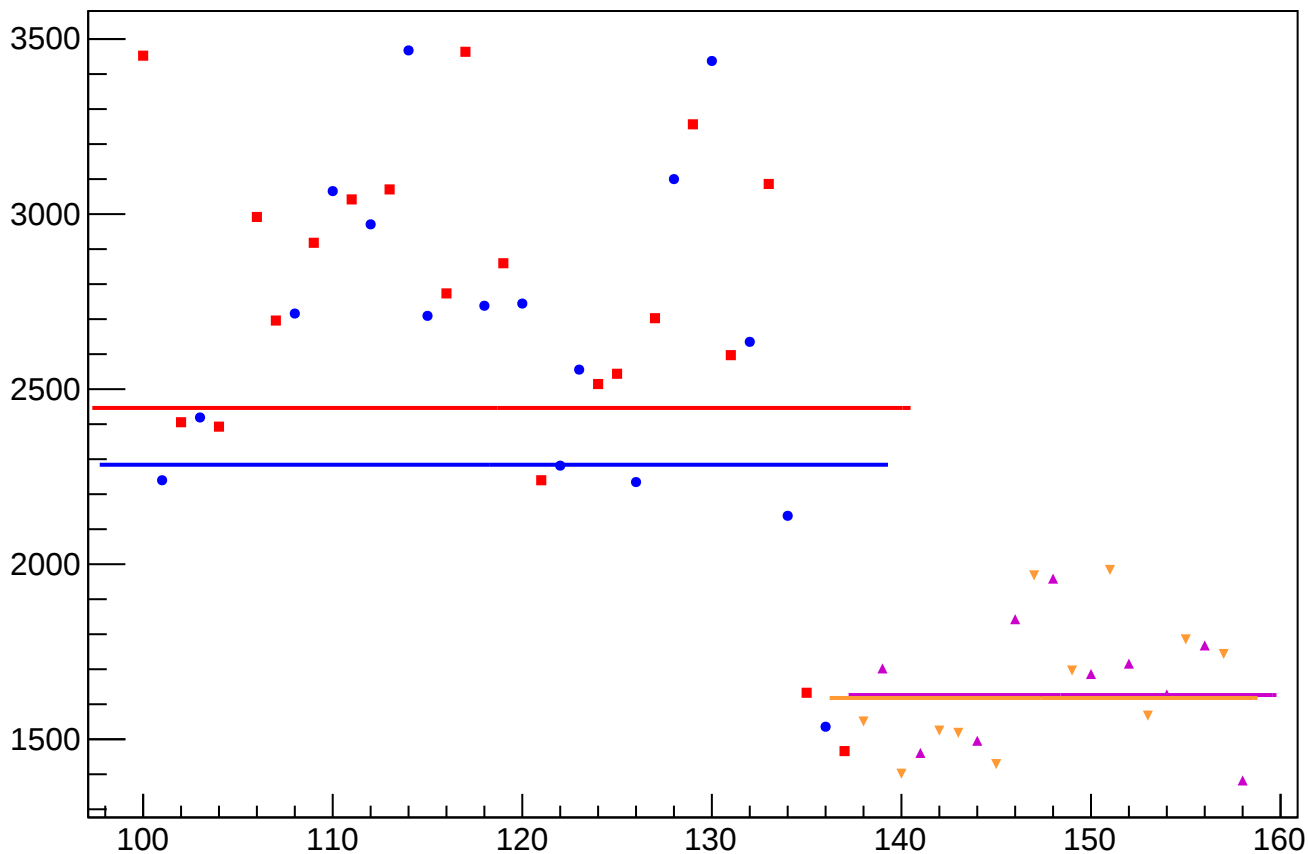
Left In: 111.064 $\pm$ 572.182 χ^2 /NDF: 16.2/9

1152.013 $\pm$ 485.024 χ^2 /NDF: 37.2/27

565.626 $\pm$ 344.129 χ^2 /NDF: 71.7/57

-28.801 $\pm$ 488.337 χ^2 /NDF: 31.6/29

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2284.104 $\pm$ 0.647 χ^2 /NDF: 793993.4/16

Left Out: 1617.947 $\pm$ 0.404 χ^2 /NDF: 206184.8/10

Right Out: 2446.366 $\pm$ 0.663 χ^2 /NDF: 680413.3/19

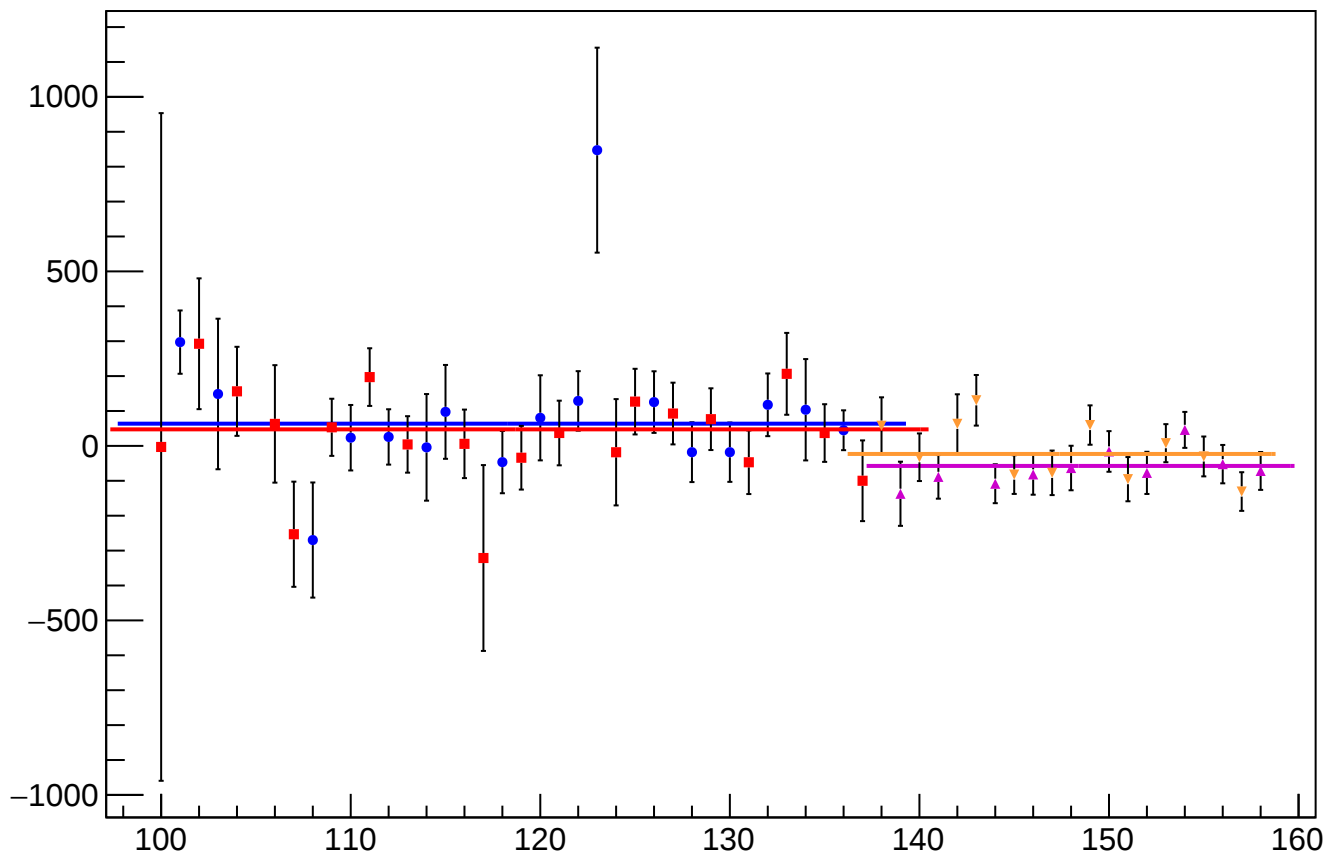
Left In: 1626.327 $\pm$ 0.405 χ^2 /NDF: 174282.9/9

1805.187 $\pm$ 0.343 χ^2 /NDF: 1762540.0/27

1826.968 $\pm$ 0.243 χ^2 /NDF: 3741084.2/57

1849.049 $\pm$ 0.345 χ^2 /NDF: 1970421.9/29

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 63.666 ± 23.743 χ^2/NDF : 23.7/16

Left Out: -23.091 ± 18.902 χ^2/NDF : 16.0/10

Right Out: 47.367 ± 23.568 χ^2/NDF : 18.7/19

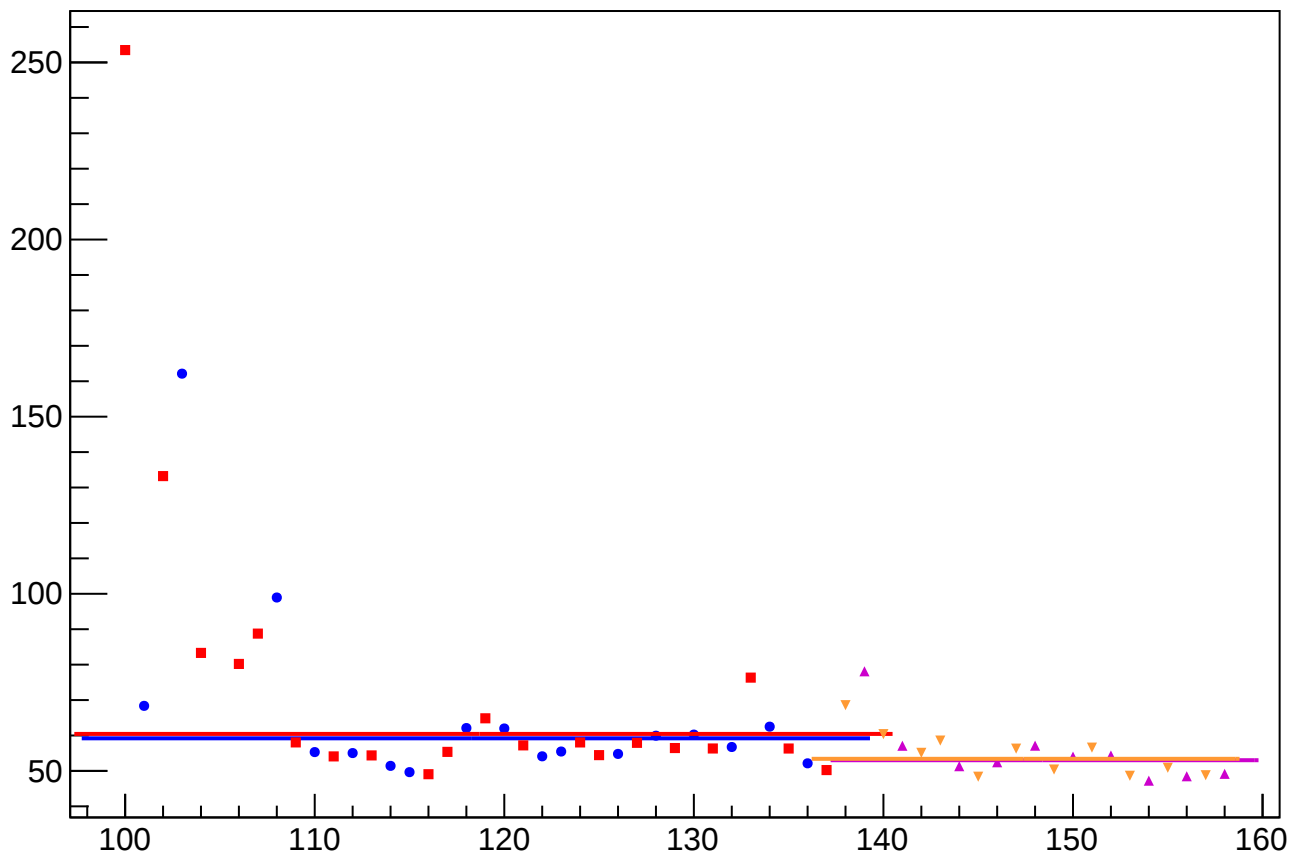
Left In: -57.389 ± 18.723 χ^2/NDF : 6.7/9

10.566 ± 14.788 χ^2/NDF : 47.8/27

-3.264 ± 10.411 χ^2/NDF : 87.1/57

-16.856 ± 14.660 χ^2/NDF : 37.6/29

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



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

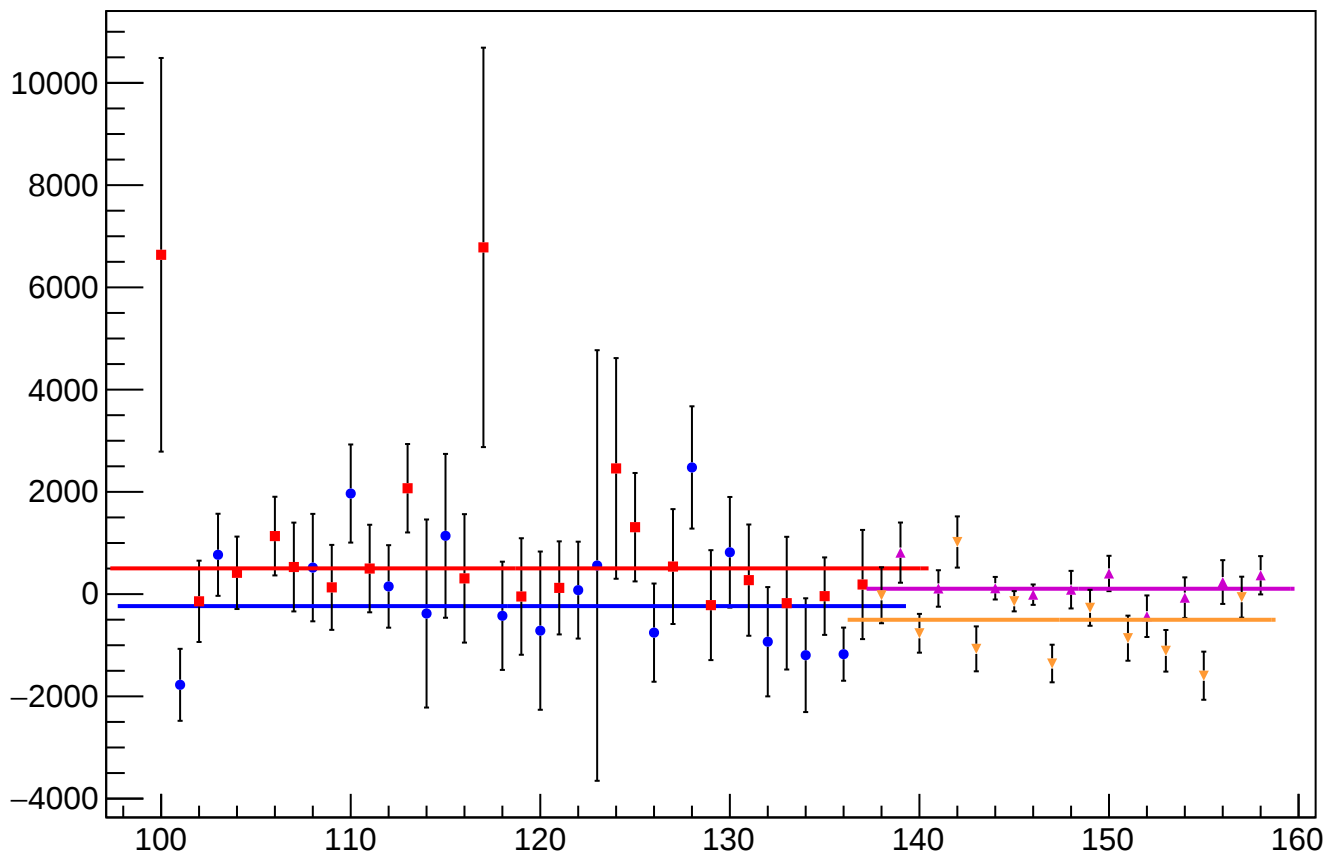
Left In: 53.021+/-0.013 χ^2/NDF : 218282.5/9

55.659+/-0.010 χ^2/NDF : 903634.0/27

55.777+/-0.007 χ^2/NDF : 1924558.2/57

55.893+/-0.010 χ^2/NDF : 1020672.8/29

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -234.492 ± 233.880 $\chi^2/\text{NDF}: 24.2/16$

Left Out: -501.793 ± 110.173 $\chi^2/\text{NDF}: 30.9/10$

Right Out: 503.638 ± 221.955 $\chi^2/\text{NDF}: 13.2/19$

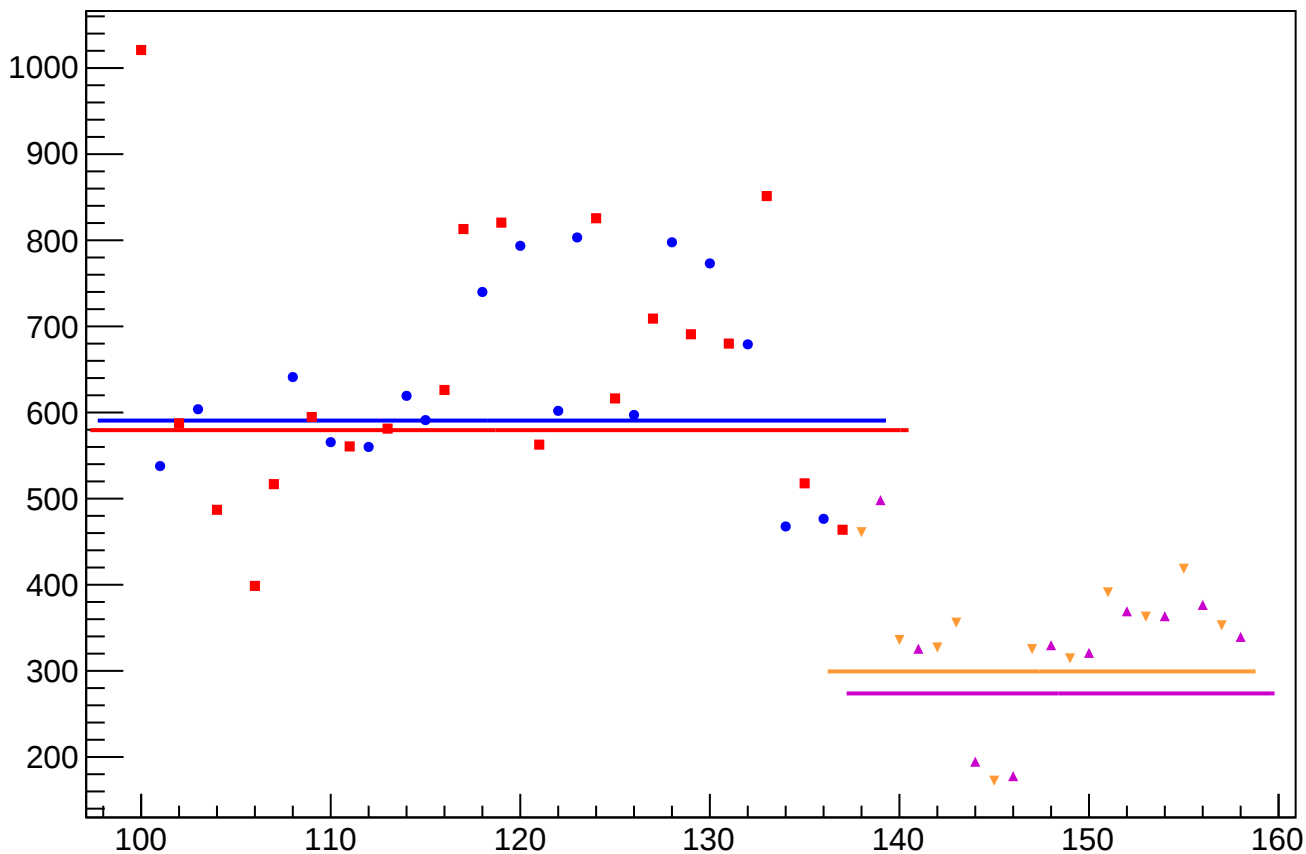
Left In: 105.042 ± 101.454 $\chi^2/\text{NDF}: 5.1/9$

-453.250 ± 99.668 $\chi^2/\text{NDF}: 56.1/27$

-115.527 ± 67.710 $\chi^2/\text{NDF}: 98.3/57$

173.929 ± 92.271 $\chi^2/\text{NDF}: 20.9/29$

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



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

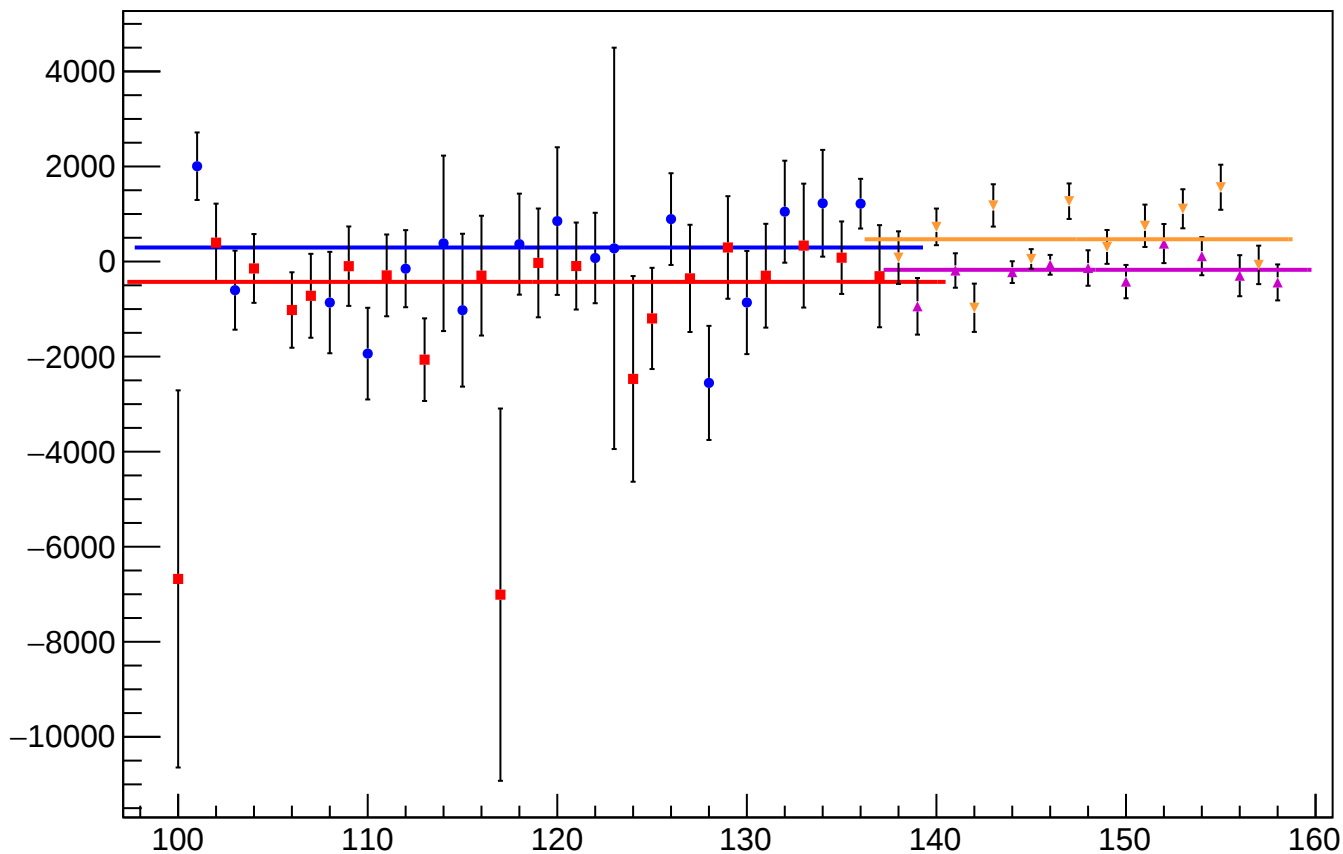
Left In: 273.801+/-0.072 χ^2/NDF :1527194.8/9

352.258+/-0.070 χ^2/NDF : 4258439.5/27

338.460+/-0.048 χ^2/NDF : 9496382.5/57

326.635+/-0.065 χ^2/NDF : 5166762.1/29

asym_sam_37_dd_mean vs Slug, Sign Corrected



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

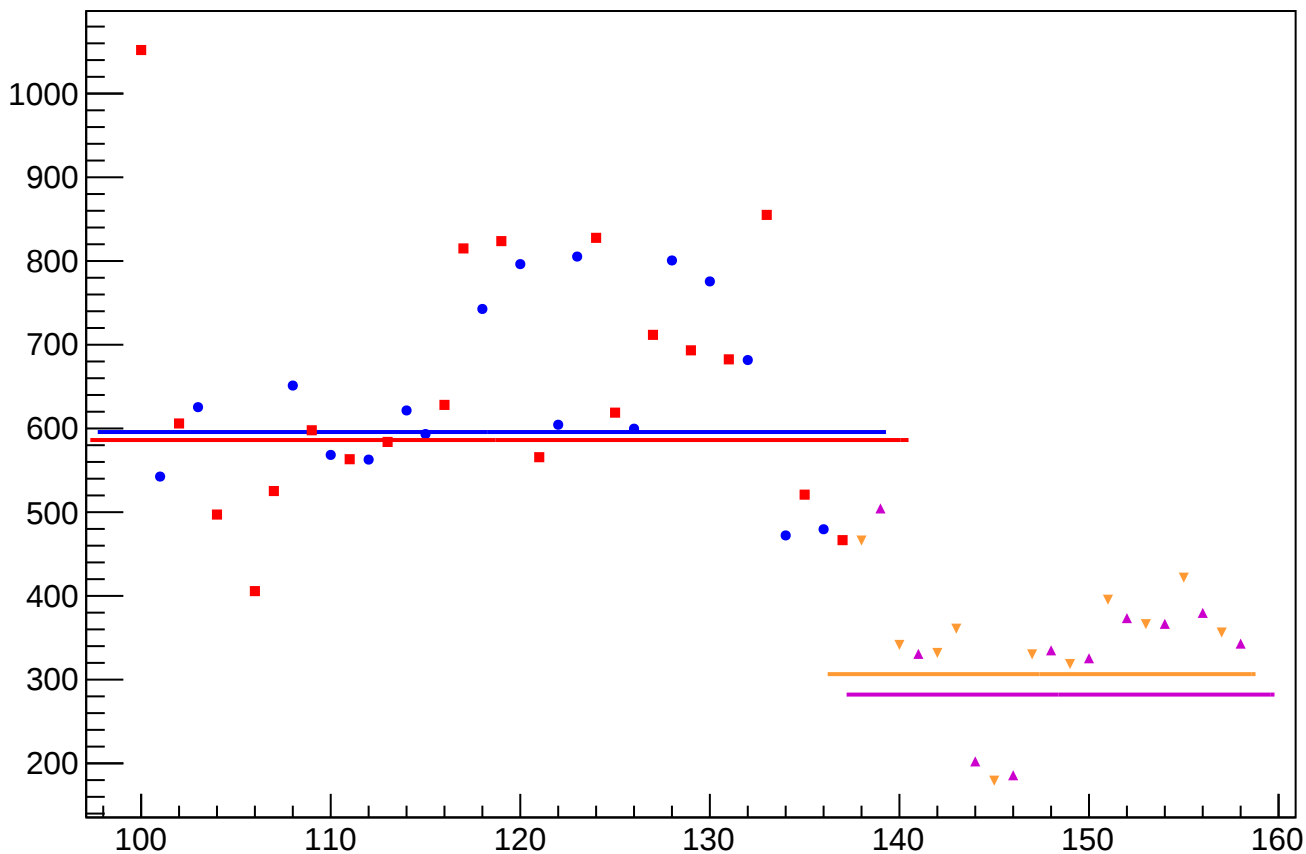
Left In: -173.917 ± 104.031 χ^2/NDF : 5.4/9

436.660 ± 101.485 χ^2/NDF : 56.9/27

85.208 ± 69.115 χ^2/NDF : 99.5/57

-218.811 ± 94.388 χ^2/NDF : 20.2/29

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 595.734 $\pm$ 0.167 χ^2 /NDF: 350058.2/16

Left Out: 306.567 $\pm$ 0.079 χ^2 /NDF:1263117.2/10

Right Out: 586.176 $\pm$ 0.159 χ^2 /NDF: 481325.4/19

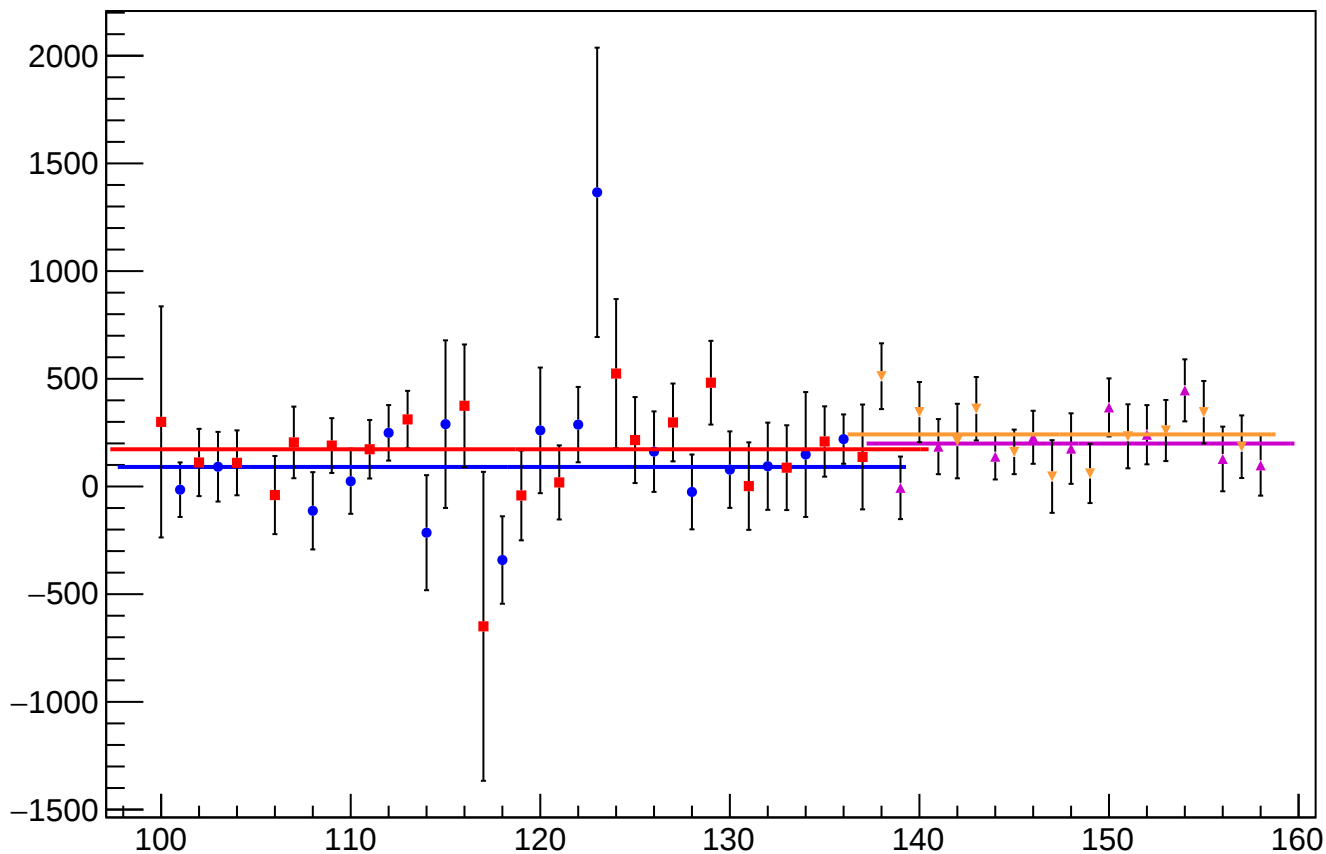
Left In: 282.130 $\pm$ 0.074 χ^2 /NDF:1398430.5/9

360.102 $\pm$ 0.072 χ^2 /NDF: 4062809.7/27

347.116 $\pm$ 0.049 χ^2 /NDF: 9023888.1/57

335.883 $\pm$ 0.067 χ^2 /NDF: 4900002.8/29

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



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

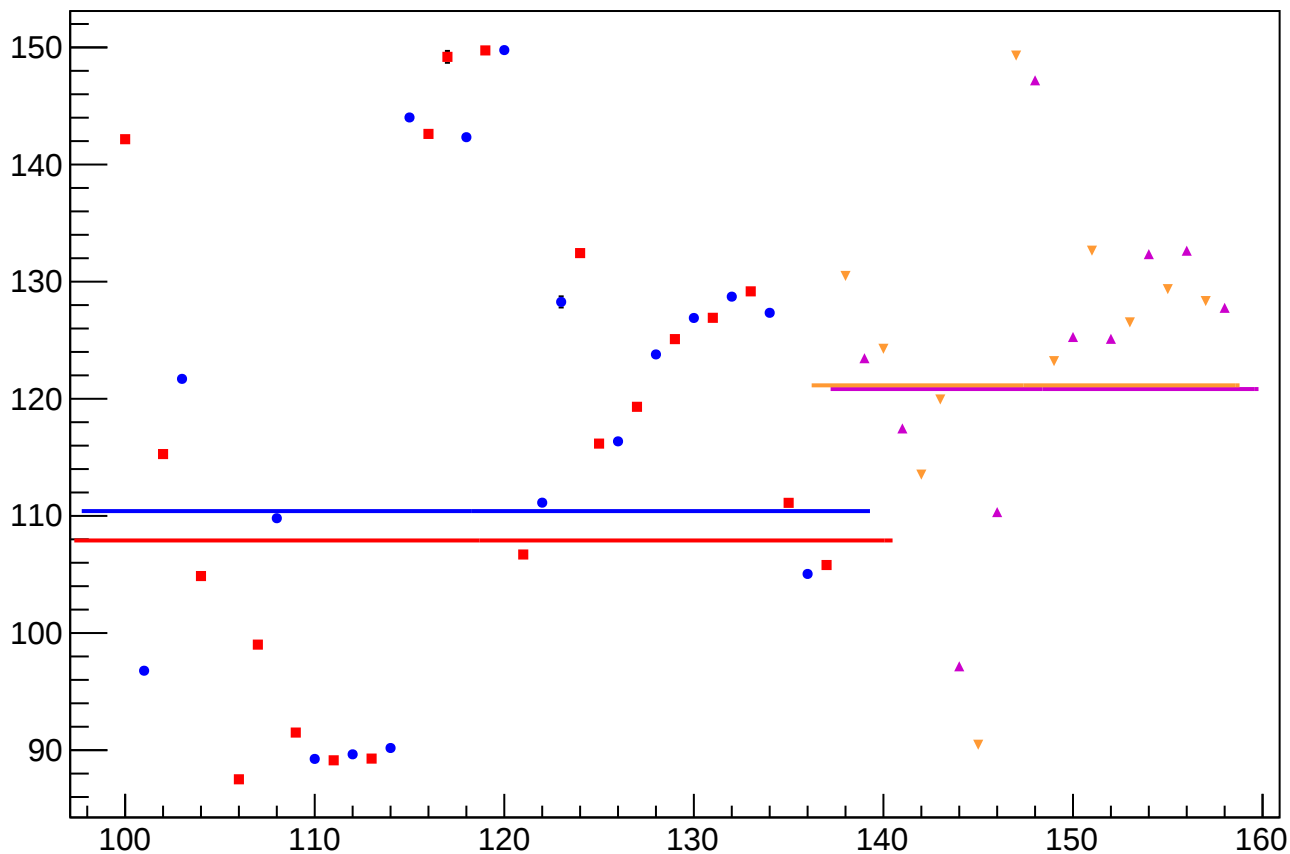
Left In: 199.401+/-42.562 χ^2/NDF : 7.7/9

167.111+/-30.459 χ^2/NDF : 31.8/27

176.642+/-21.205 χ^2/NDF : 51.6/57

185.607+/-29.541 χ^2/NDF : 19.6/29

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 110.411 +/- 0.031 χ^2/NDF : 296425.4/16

Left Out: 121.148 +/- 0.030 χ^2/NDF : 270720.2/10

Right Out: 107.903 +/- 0.029 χ^2/NDF : 351091.4/19

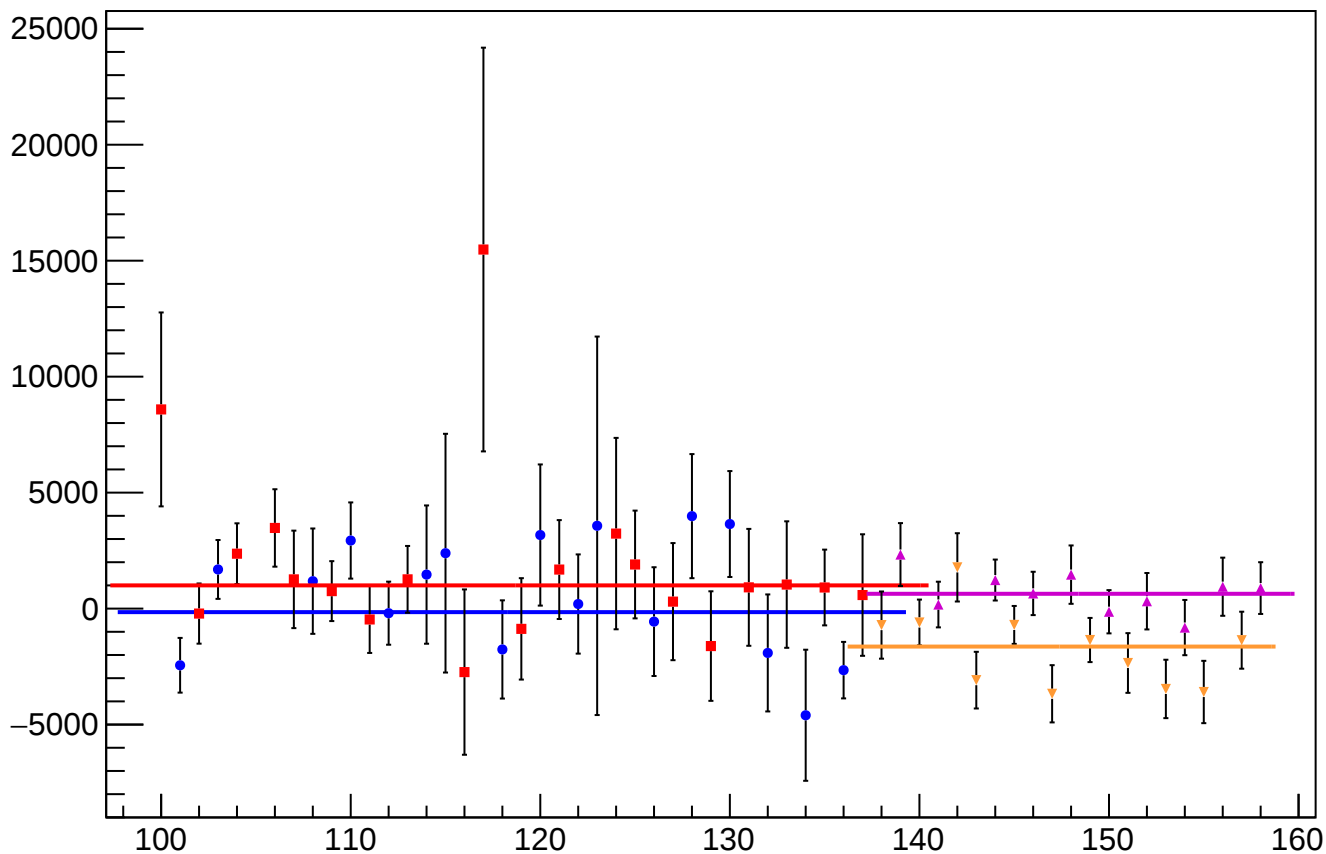
Left In: 120.832 +/- 0.030 χ^2/NDF : 202618.3/9

115.838 +/- 0.022 χ^2/NDF : 629262.7/27

114.959 +/- 0.015 χ^2/NDF : 1281852.7/57

114.131 +/- 0.021 χ^2/NDF : 649353.9/29

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -152.403 ± 464.753 $\chi^2/\text{NDF}: 24.7/16$

Left Out: -1636.970 ± 346.265 $\chi^2/\text{NDF}: 17.0/10$

Right Out: 1000.907 ± 434.569 $\chi^2/\text{NDF}: 15.1/19$

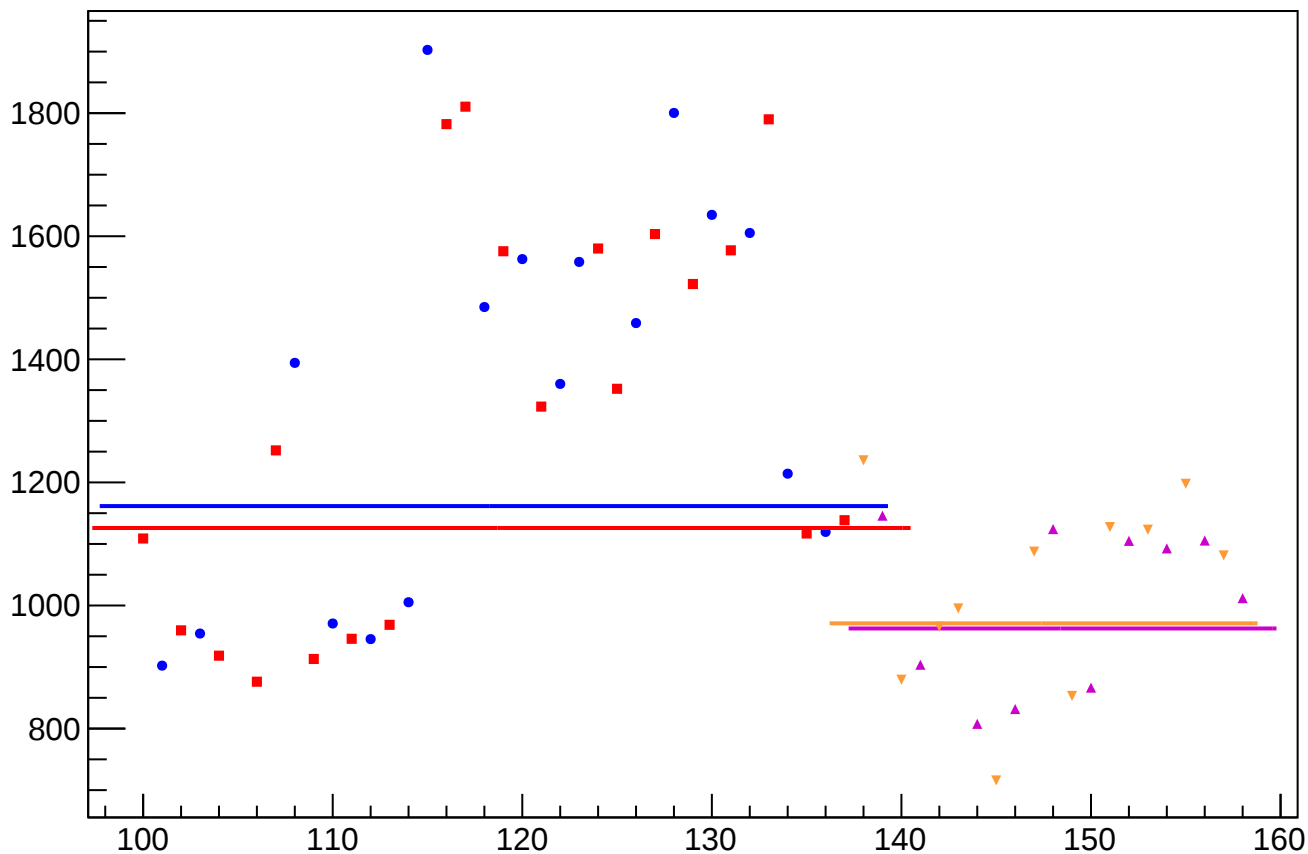
Left In: 638.329 ± 340.854 $\chi^2/\text{NDF}: 5.0/9$

-1107.045 ± 277.670 $\chi^2/\text{NDF}: 48.2/27$

-132.633 ± 192.906 $\chi^2/\text{NDF}: 92.5/57$

776.429 ± 268.197 $\chi^2/\text{NDF}: 20.5/29$

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 1161.530 $\pm$ 0.329 χ^2/NDF : 695906.9/16

Left Out: 970.992 $\pm$ 0.245 χ^2/NDF : 460206.4/10

Right Out: 1125.946 $\pm$ 0.307 χ^2/NDF : 780195.3/19

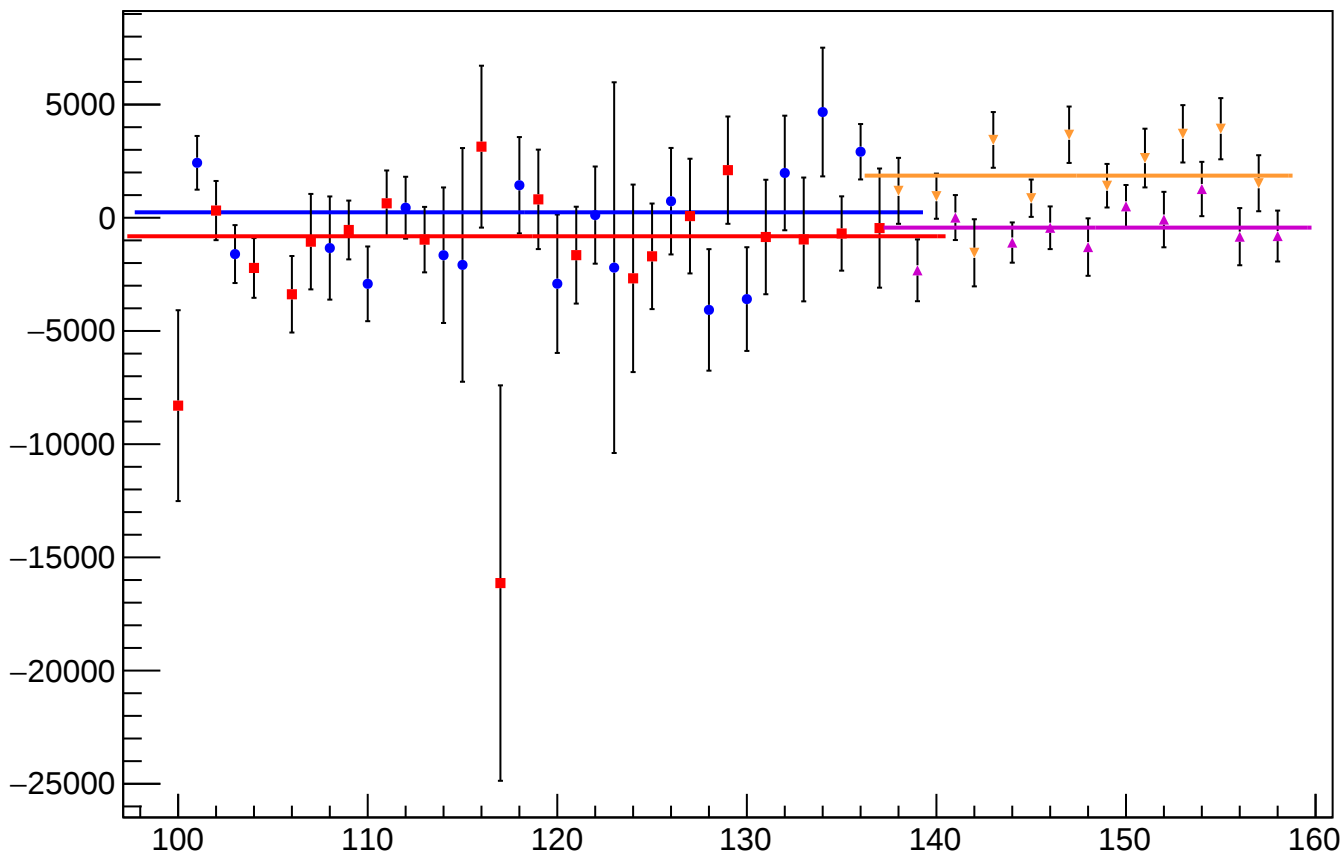
Left In: 962.667 $\pm$ 0.241 χ^2/NDF : 279917.7/9

1039.006 $\pm$ 0.196 χ^2/NDF : 1372282.0/27

1031.686 $\pm$ 0.136 χ^2/NDF : 2609883.5/57

1024.857 $\pm$ 0.190 χ^2/NDF : 1234915.0/29

asym_sam_48_dd_mean vs Slug, Sign Corrected



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

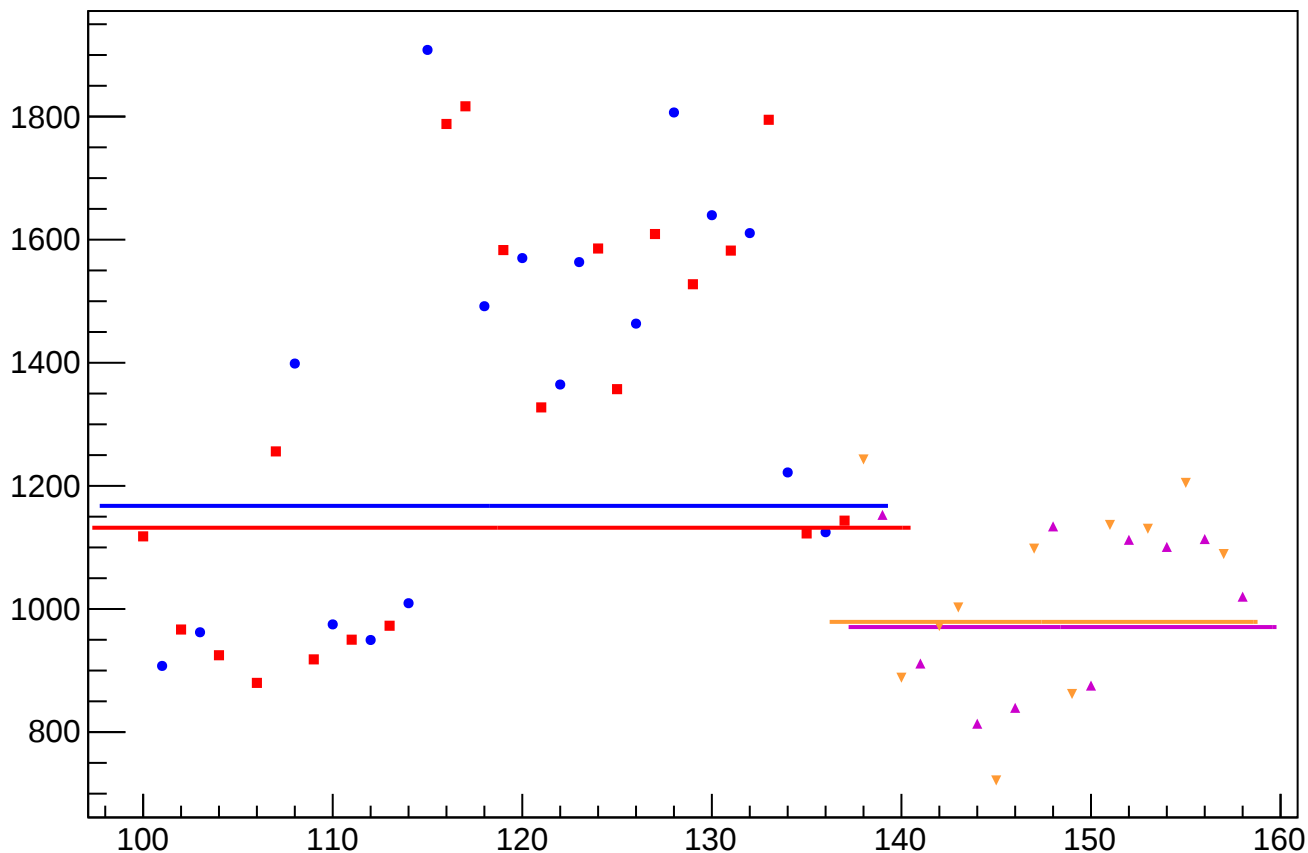
Left In: -435.677 $\pm$ 343.627 χ^2 /NDF:6.4/9

1280.256 $\pm$ 279.602 χ^2 /NDF: 49.2/27

317.151 $\pm$ 194.264 χ^2 /NDF: 94.5/57

-581.638 $\pm$ 270.105 χ^2 /NDF: 22.3/29

asym_sam_48_dd_rms vs Slug, Sign Corrected



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

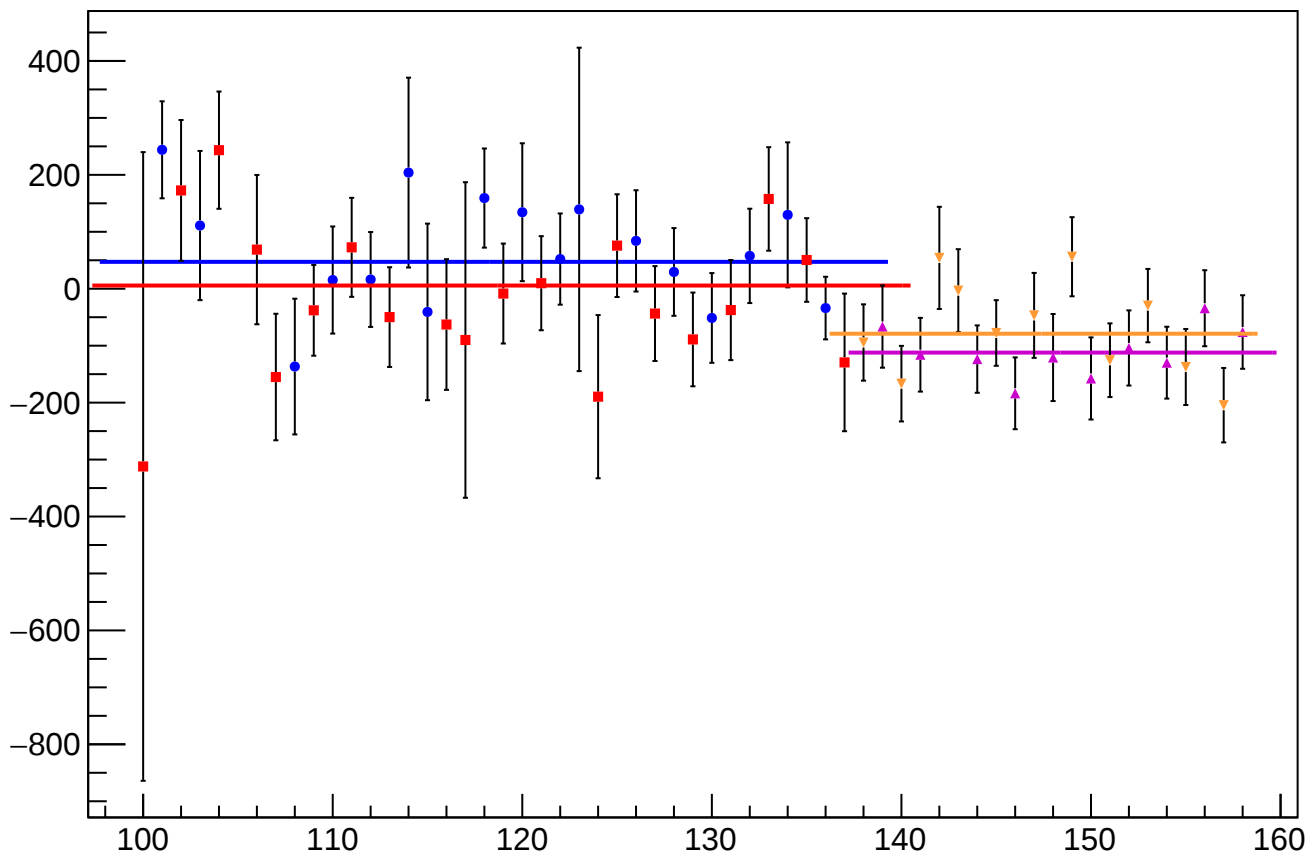
Left In: 970.654 $\pm$ 0.243 χ^2/NDF : 277337.8/9

1046.620 $\pm$ 0.198 χ^2/NDF : 1355259.8/27

1039.222 $\pm$ 0.137 χ^2/NDF : 2577670.8/57

1032.318 $\pm$ 0.191 χ^2/NDF : 1219704.1/29

reg_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 47.220 $\pm$ 22.565 χ^2 /NDF: 16.1/16

Left Out: -79.000 $\pm$ 20.458 χ^2 /NDF:14.6/10

Right Out: 5.636 $\pm$ 22.057 χ^2 /NDF: 20.4/19

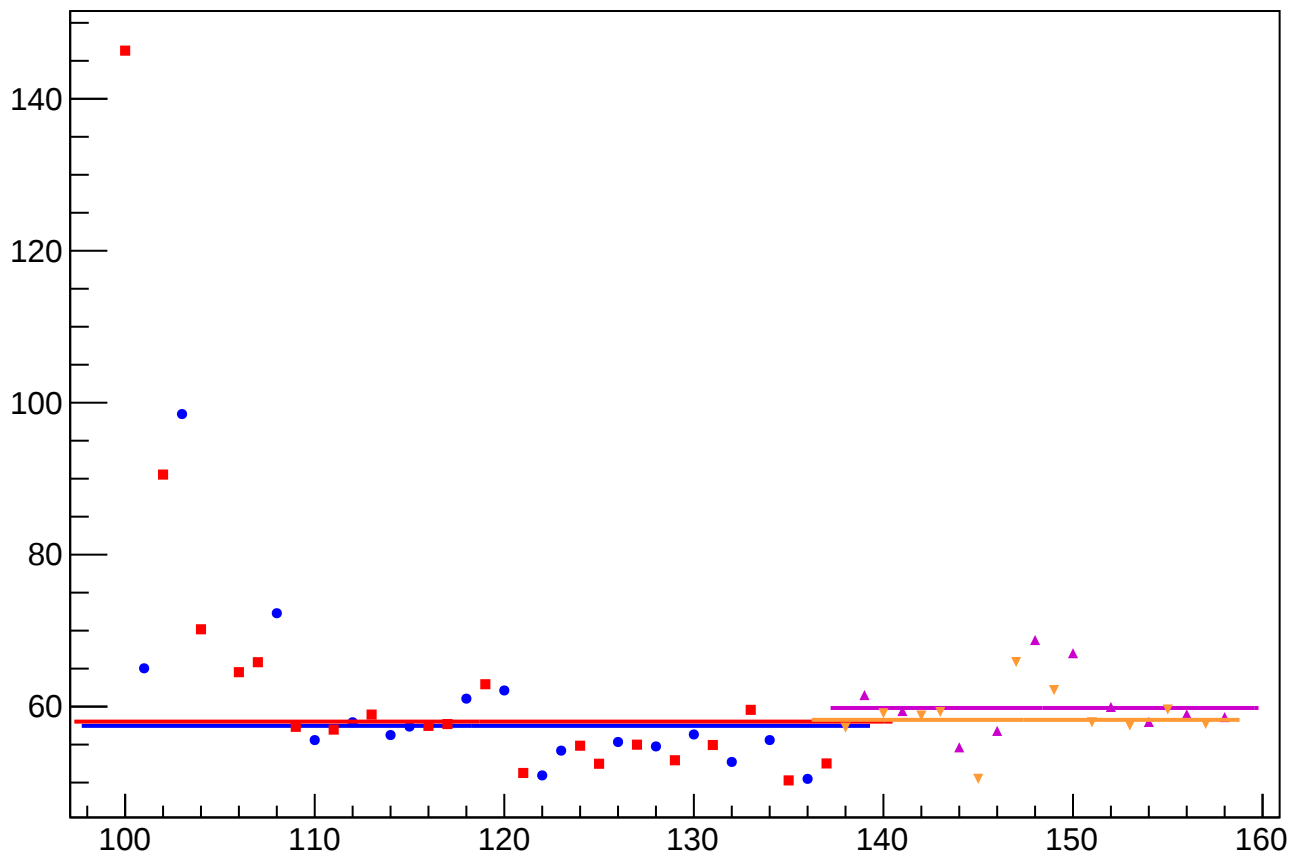
Left In: -112.143 $\pm$ 20.961 χ^2 /NDF:3.9/9

-22.056 $\pm$ 15.156 χ^2 /NDF: 47.9/27

-39.112 $\pm$ 10.730 χ^2 /NDF: 89.7/57

-56.254 $\pm$ 15.194 χ^2 /NDF: 39.3/29

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 57.465 $\pm$ 0.016 χ^2 /NDF: 307156.4/16

Left Out: 58.257 $\pm$ 0.014 χ^2 /NDF: 66034.8/10

Right Out: 58.025 $\pm$ 0.016 χ^2 /NDF: 300790.9/19

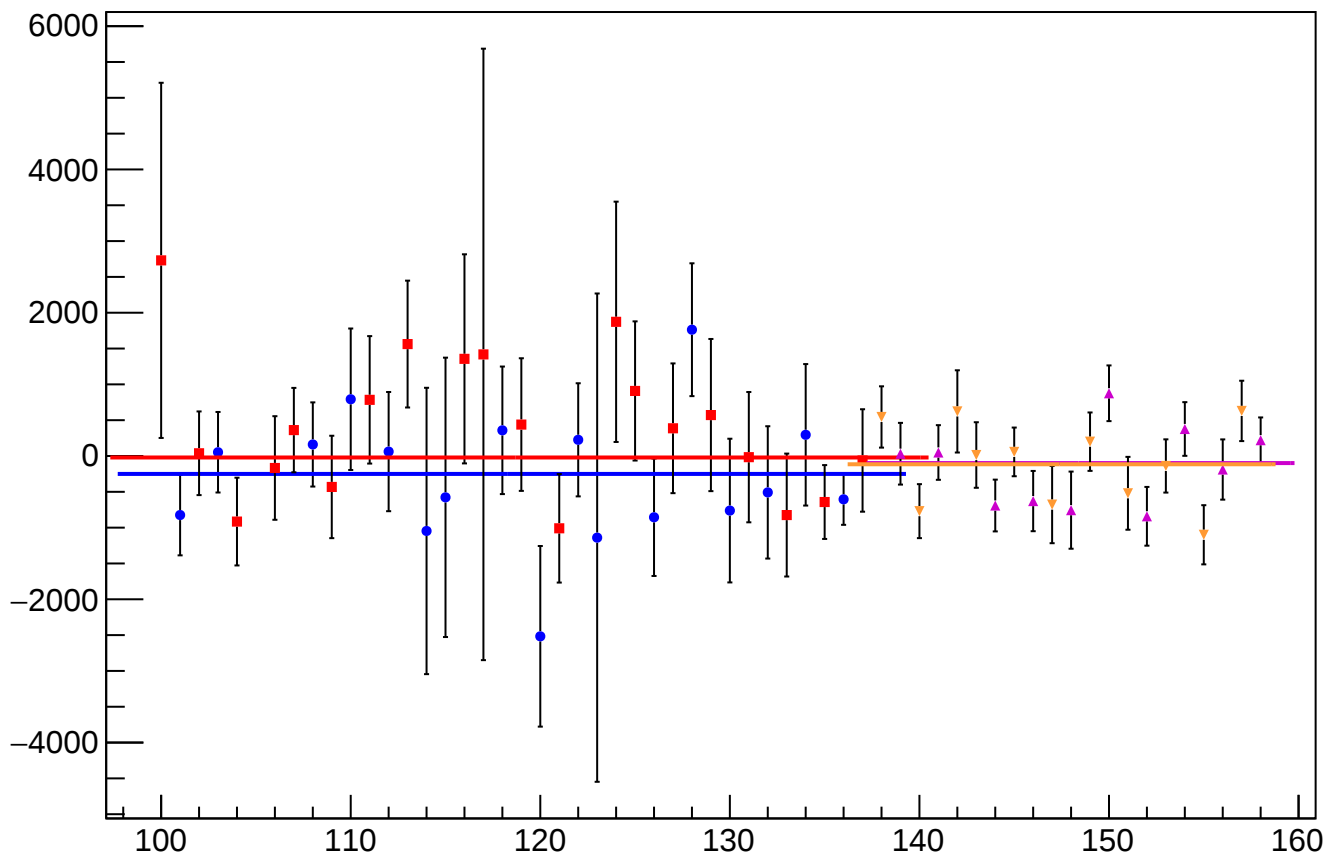
Left In: 59.820 $\pm$ 0.015 χ^2 /NDF: 71168.9/9

57.900 $\pm$ 0.011 χ^2 /NDF: 374541.1/27

58.433 $\pm$ 0.008 χ^2 /NDF: 758416.1/57

58.968 $\pm$ 0.011 χ^2 /NDF: 378917.9/29

asym_sam_13_57_dd_correction_mean vs Slug, Sign Corrected



Right In: -250.140+/-184.092 χ^2/NDF : 14.3/16

Left Out: -115.378+/-127.984 χ^2/NDF : 18.5/10

Right Out: -20.701+/-181.669 χ^2/NDF : 16.2/19

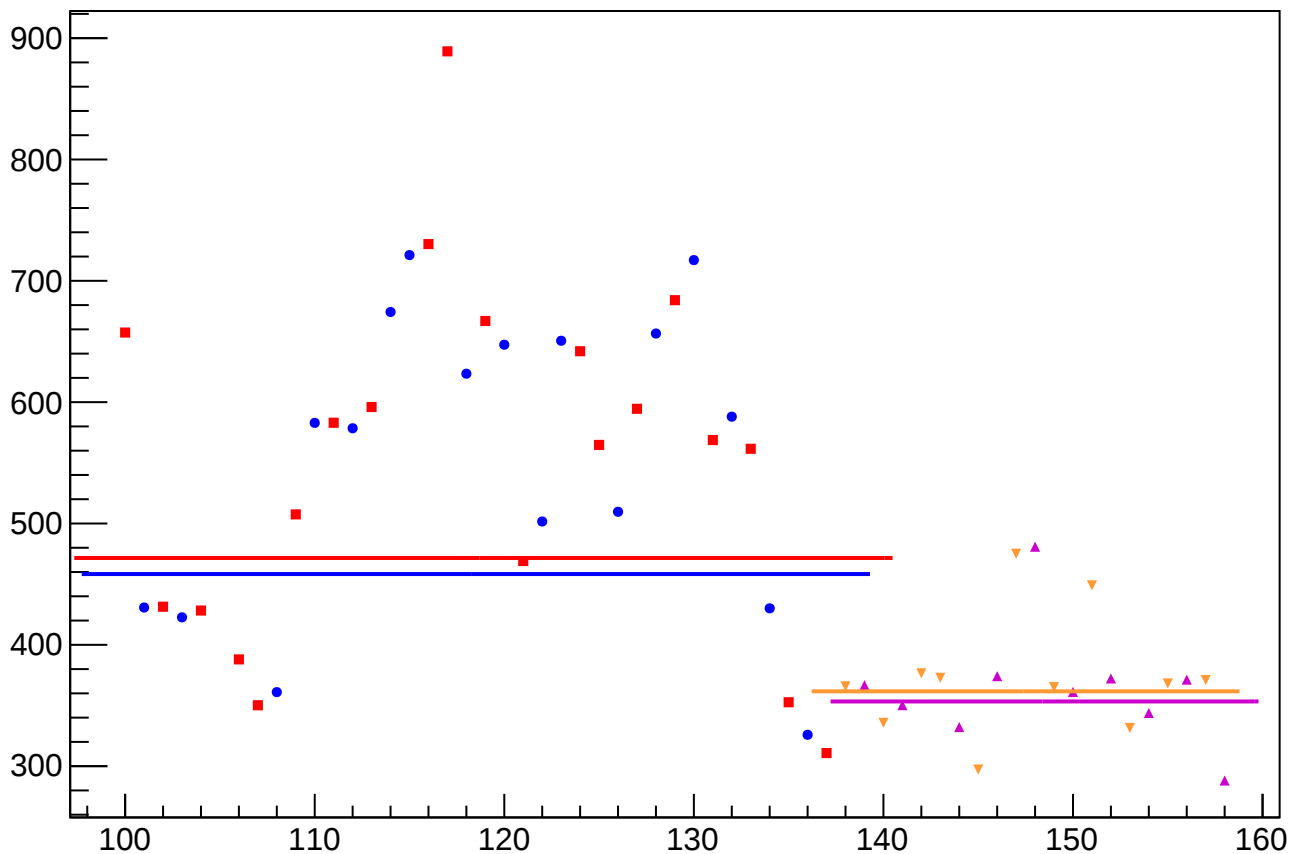
Left In: -98.754+/-124.720 χ^2/NDF : 18.2/9

-159.289+/-105.084 χ^2/NDF : 33.2/27

-115.589+/-73.493 χ^2/NDF : 68.1/57

-73.751+/-102.822 χ^2/NDF : 34.6/29

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected



Right In: 458.324 $\pm$ 0.130 χ^2 /NDF: 877201.7/16

Left Out: 361.689 $\pm$ 0.090 χ^2 /NDF: 246507.9/10

Right Out: 471.585 $\pm$ 0.128 χ^2 /NDF: 797816.0/19

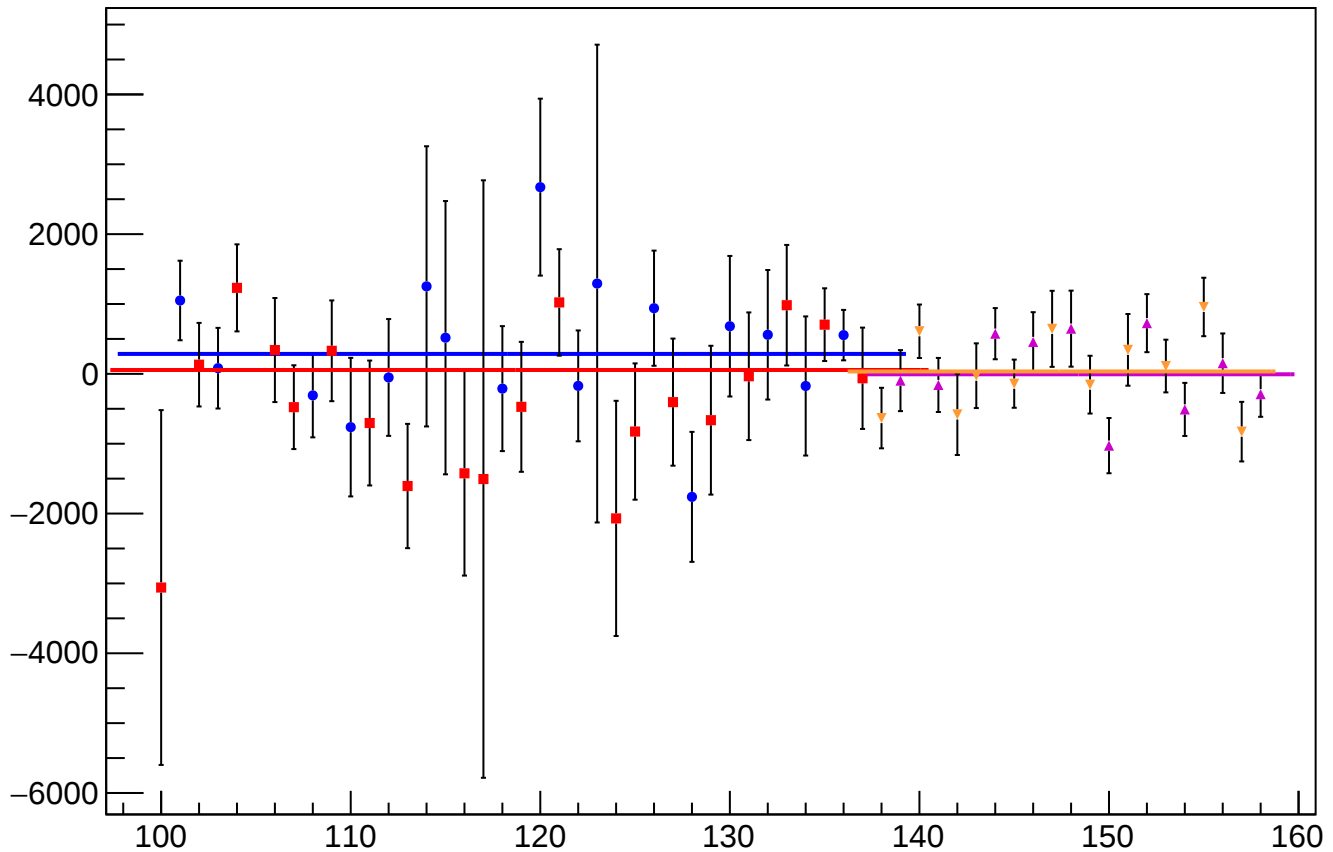
Left In: 353.326 $\pm$ 0.088 χ^2 /NDF: 220271.4/9

393.177 $\pm$ 0.074 χ^2 /NDF: 1495238.9/27

392.171 $\pm$ 0.052 χ^2 /NDF: 3089696.3/57

391.209 $\pm$ 0.073 χ^2 /NDF: 1594099.0/29

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 285.349 $\pm$ 186.262 χ^2 /NDF: 15.2/16

Left Out: 34.381 $\pm$ 129.686 χ^2 /NDF:16.9/10

Right Out: 55.109 $\pm$ 183.903 χ^2 /NDF: 19.3/19

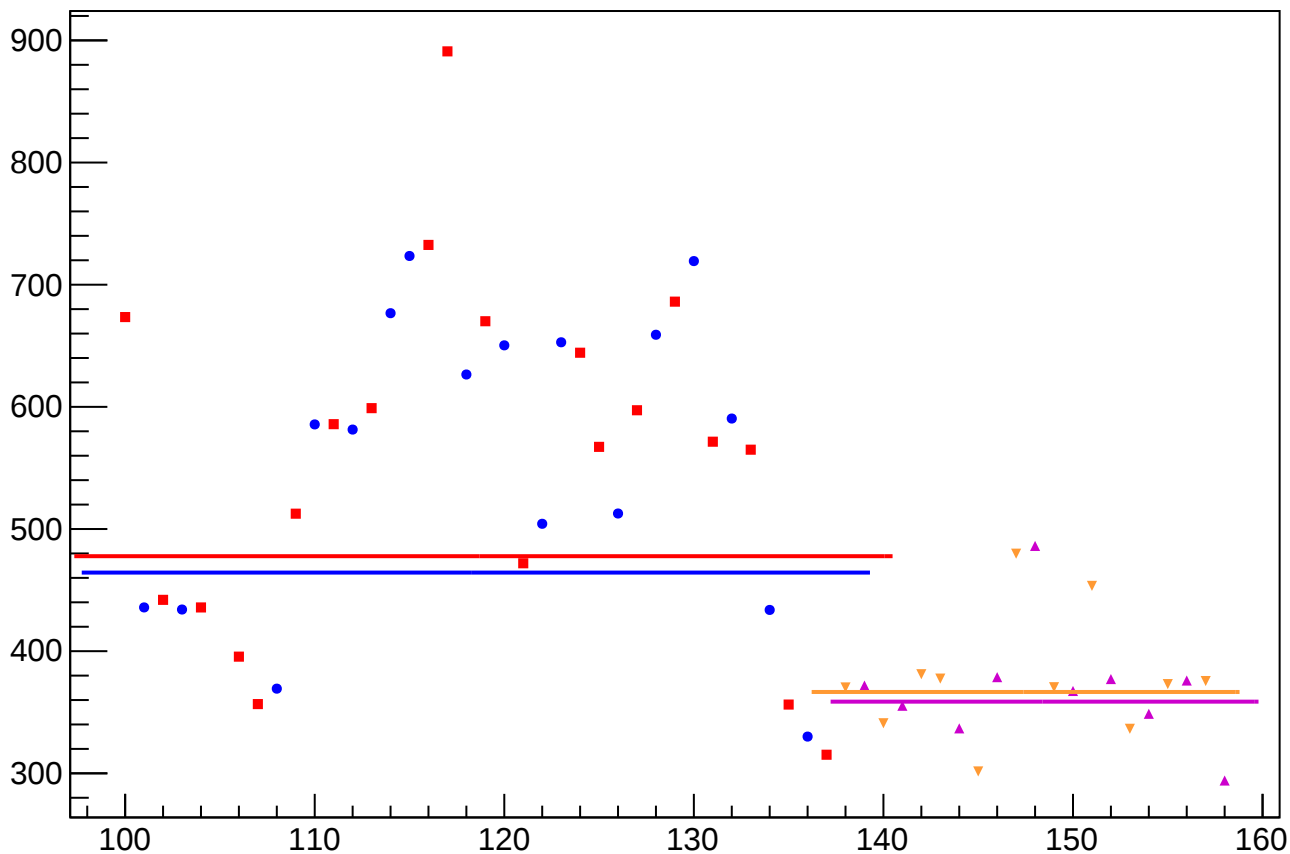
Left In: -6.270 $\pm$ 126.564 χ^2 /NDF:17.8/9

116.321 $\pm$ 106.430 χ^2 /NDF: 33.3/27

63.830 $\pm$ 74.478 χ^2 /NDF: 70.9/57

13.457 $\pm$ 104.260 χ^2 /NDF: 37.2/29

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 464.341 $\pm$ 0.132 χ^2 /NDF: 845900.9/16

Left Out: 366.607 $\pm$ 0.092 χ^2 /NDF: 240811.3/10

Right Out: 477.754 $\pm$ 0.130 χ^2 /NDF: 768041.0/19

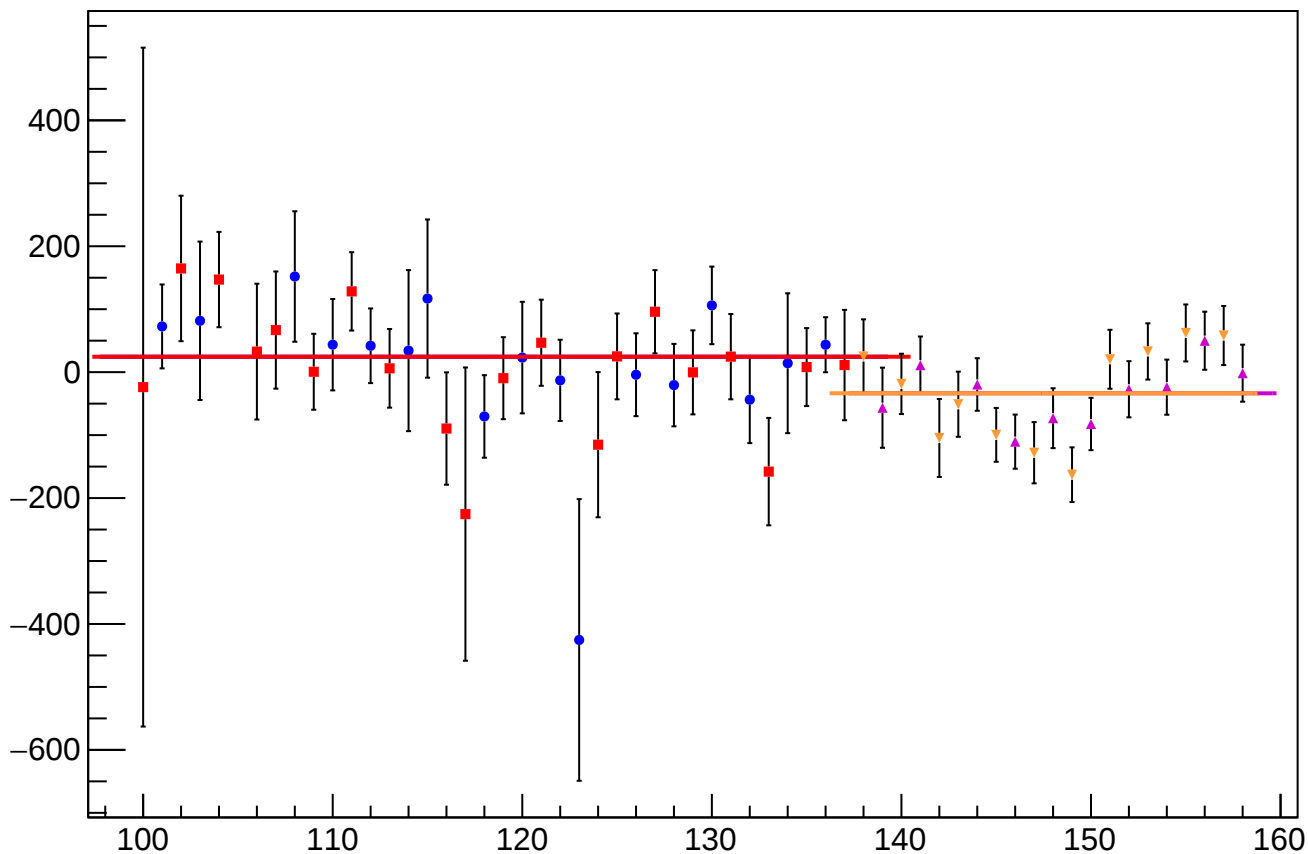
Left In: 358.679 $\pm$ 0.089 χ^2 /NDF: 212278.0/9

398.517 $\pm$ 0.075 χ^2 /NDF: 1457574.1/27

397.718 $\pm$ 0.053 χ^2 /NDF: 3007101.8/57

396.951 $\pm$ 0.074 χ^2 /NDF: 1549306.7/29

reg_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 24.584 $\pm$ 17.839 χ^2 /NDF: 13.0/16

Left Out: -33.526 $\pm$ 14.500 χ^2 /NDF: 29.4/10

Right Out: 24.491 $\pm$ 17.338 χ^2 /NDF: 18.0/19

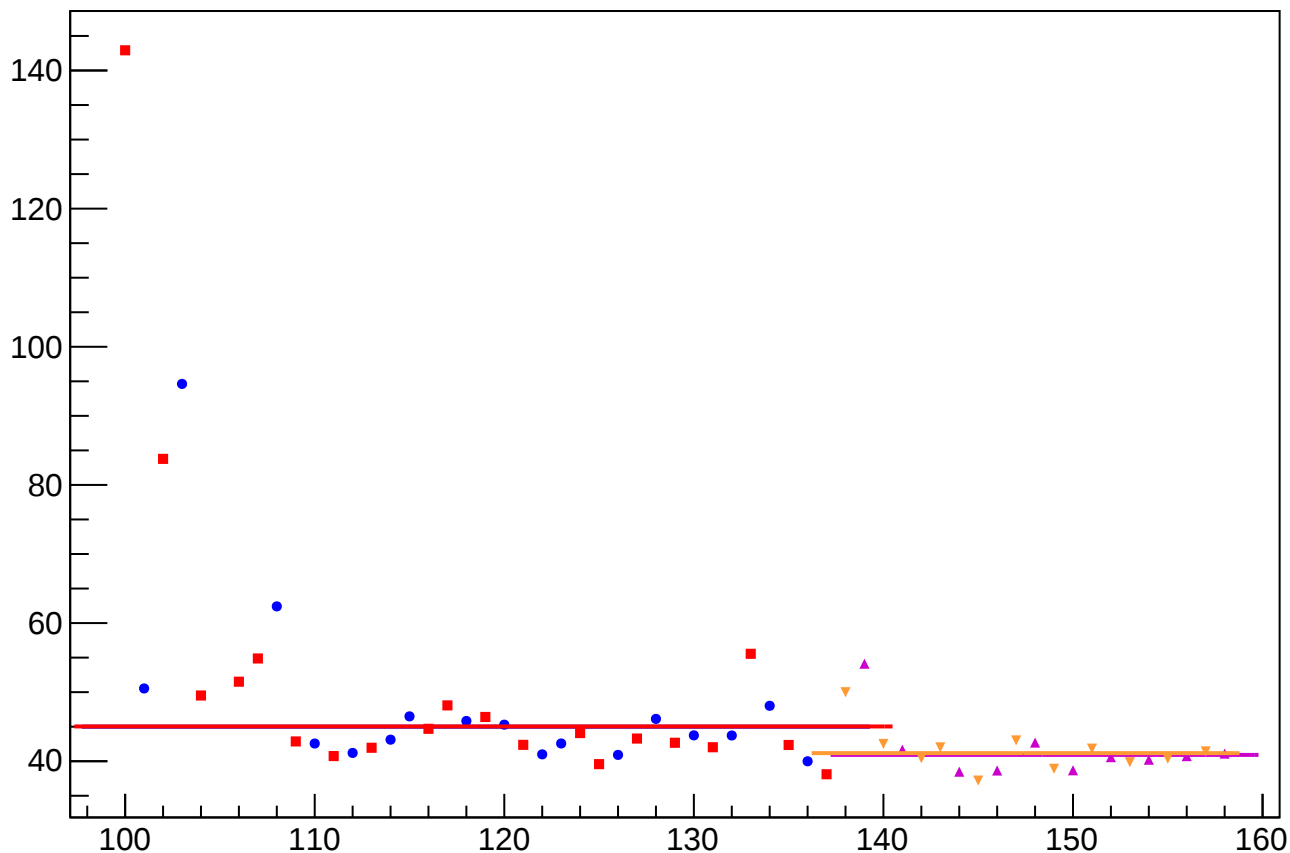
Left In: -33.603 $\pm$ 14.368 χ^2 /NDF: 10.3/9

-10.408 $\pm$ 11.252 χ^2 /NDF: 48.8/27

-10.176 $\pm$ 7.889 χ^2 /NDF: 83.7/57

-9.951 $\pm$ 11.063 χ^2 /NDF: 34.9/29

reg_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 45.001 $\pm$ 0.013 χ^2/NDF : 438352.8/16

Left Out: 41.171 $\pm$ 0.010 χ^2/NDF : 75397.4/10

Right Out: 45.034 $\pm$ 0.012 χ^2/NDF : 415853.3/19

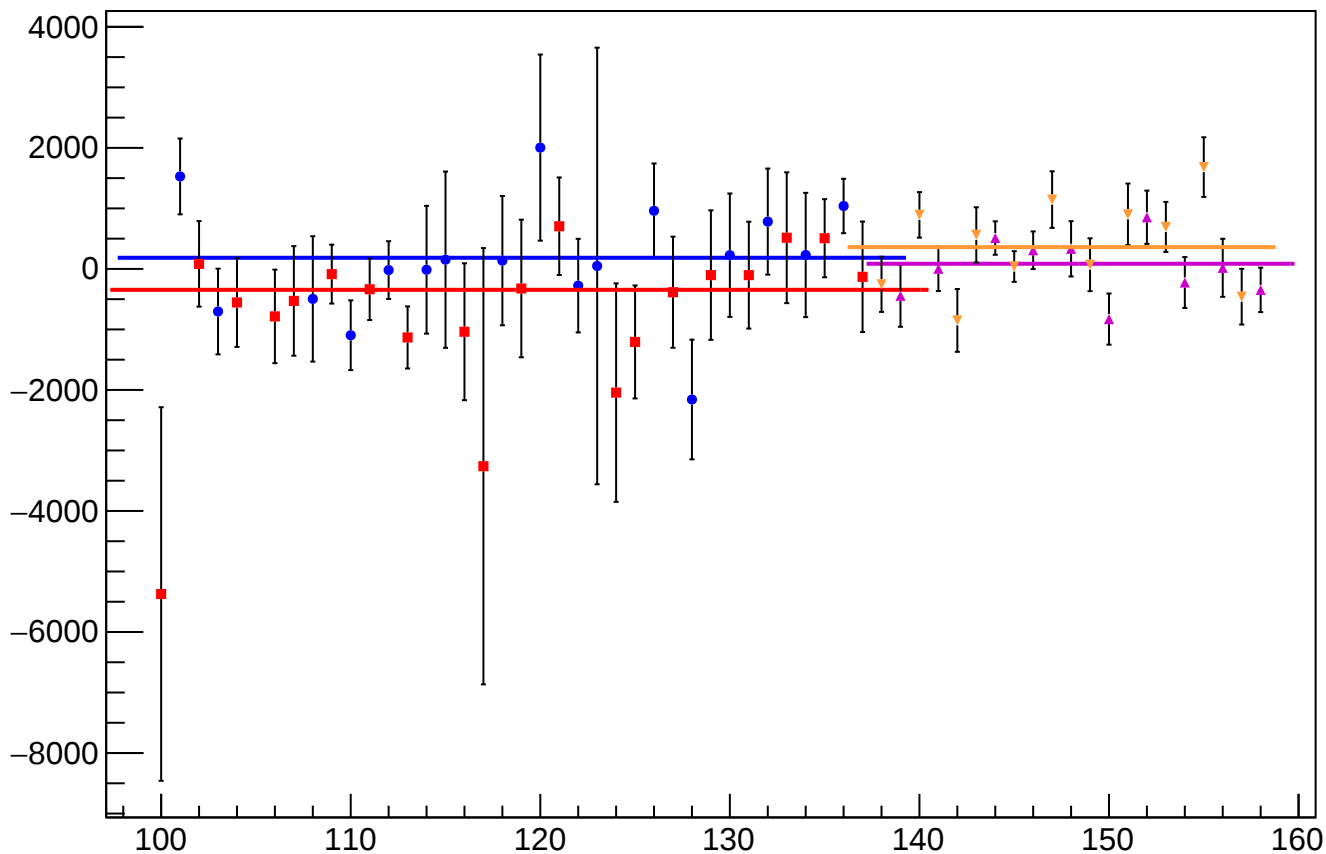
Left In: 40.915 $\pm$ 0.010 χ^2/NDF : 108207.3/9

42.695 $\pm$ 0.008 χ^2/NDF : 569266.9/27

42.643 $\pm$ 0.006 χ^2/NDF : 1160342.4/57

42.592 $\pm$ 0.008 χ^2/NDF : 590990.5/29

asym_sam_15_37_dd_correction_mean vs Slug, Sign Corrected



Right In: 184.184 $\pm$ 188.558 χ^2 /NDF: 24.2/16

Left Out: 359.918 $\pm$ 124.622 χ^2 /NDF: 26.5/10

Right Out: -345.548 $\pm$ 179.160 χ^2 /NDF: 13.1/19

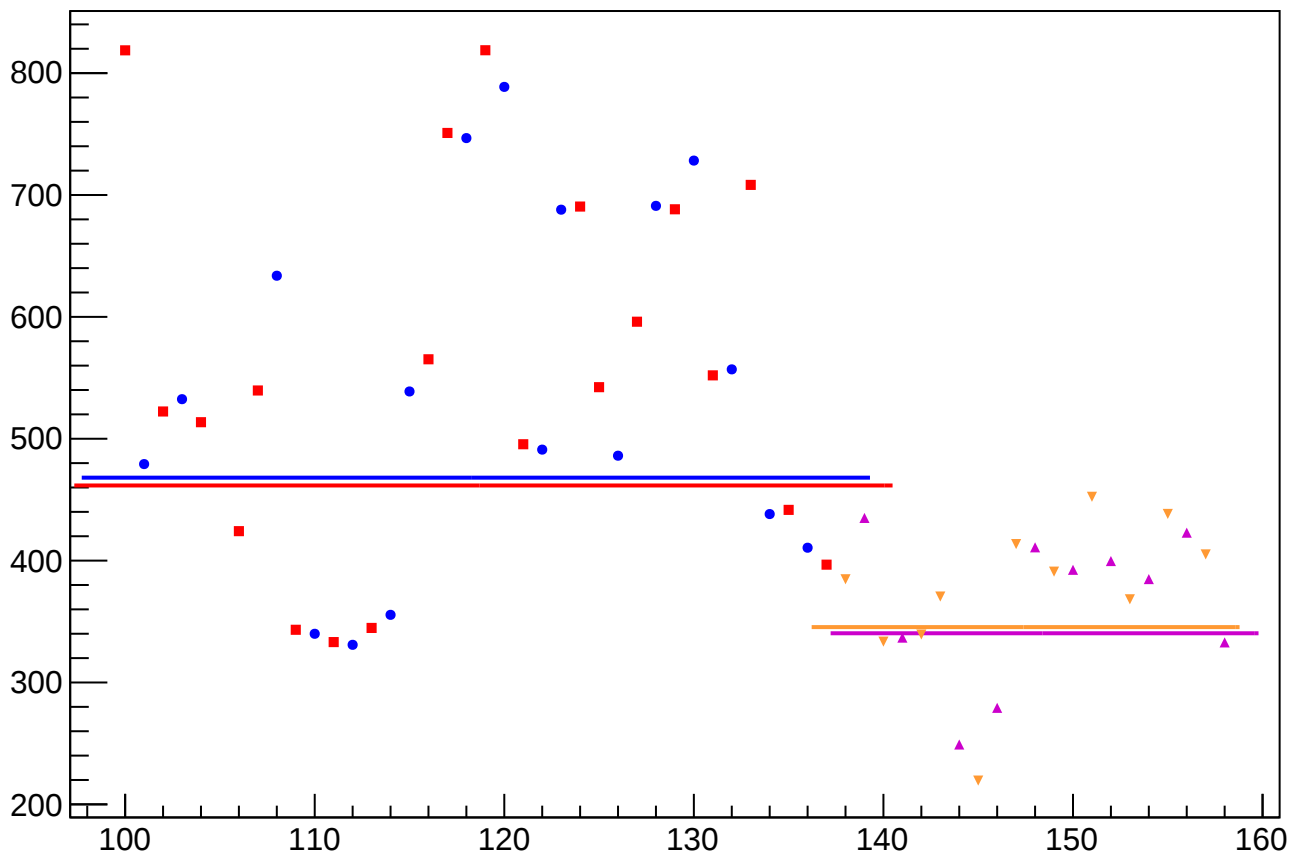
Left In: 85.180 $\pm$ 121.640 χ^2 /NDF: 14.0/9

306.492 $\pm$ 103.967 χ^2 /NDF: 51.3/27

122.071 $\pm$ 72.309 χ^2 /NDF: 88.5/57

-50.725 $\pm$ 100.637 χ^2 /NDF: 31.1/29

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 468.071+/-0.133 χ^2/NDF : 880319.3/16

Left Out: 345.445+/-0.088 χ^2/NDF : 781306.5/10

Right Out: 461.656+/-0.127 χ^2/NDF : 967939.5/19

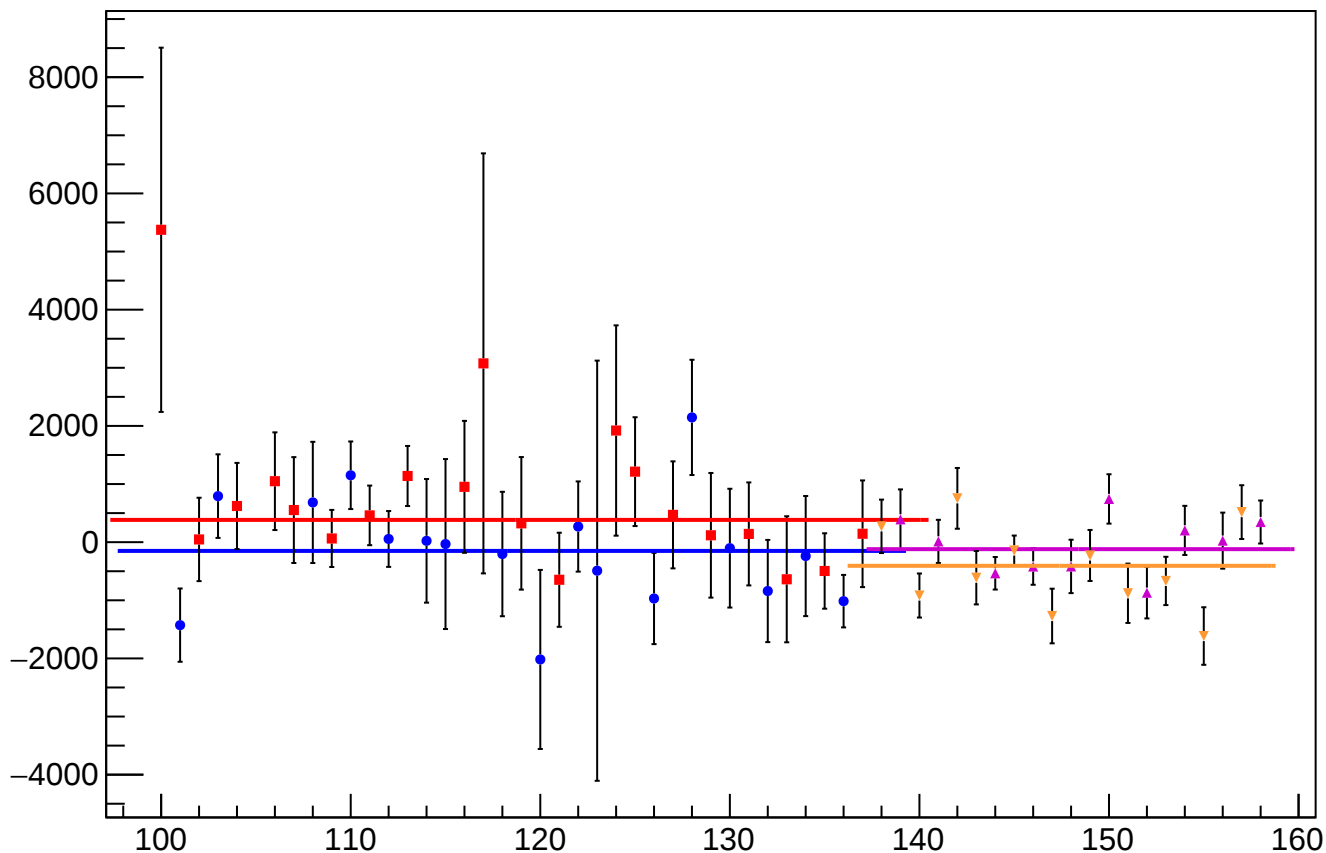
Left In: 340.383+/-0.086 χ^2/NDF : 560674.7/9

382.726+/-0.074 χ^2/NDF : 2250340.1/27

380.620+/-0.051 χ^2/NDF : 4407780.9/57

378.648+/-0.071 χ^2/NDF : 2155852.2/29

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



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

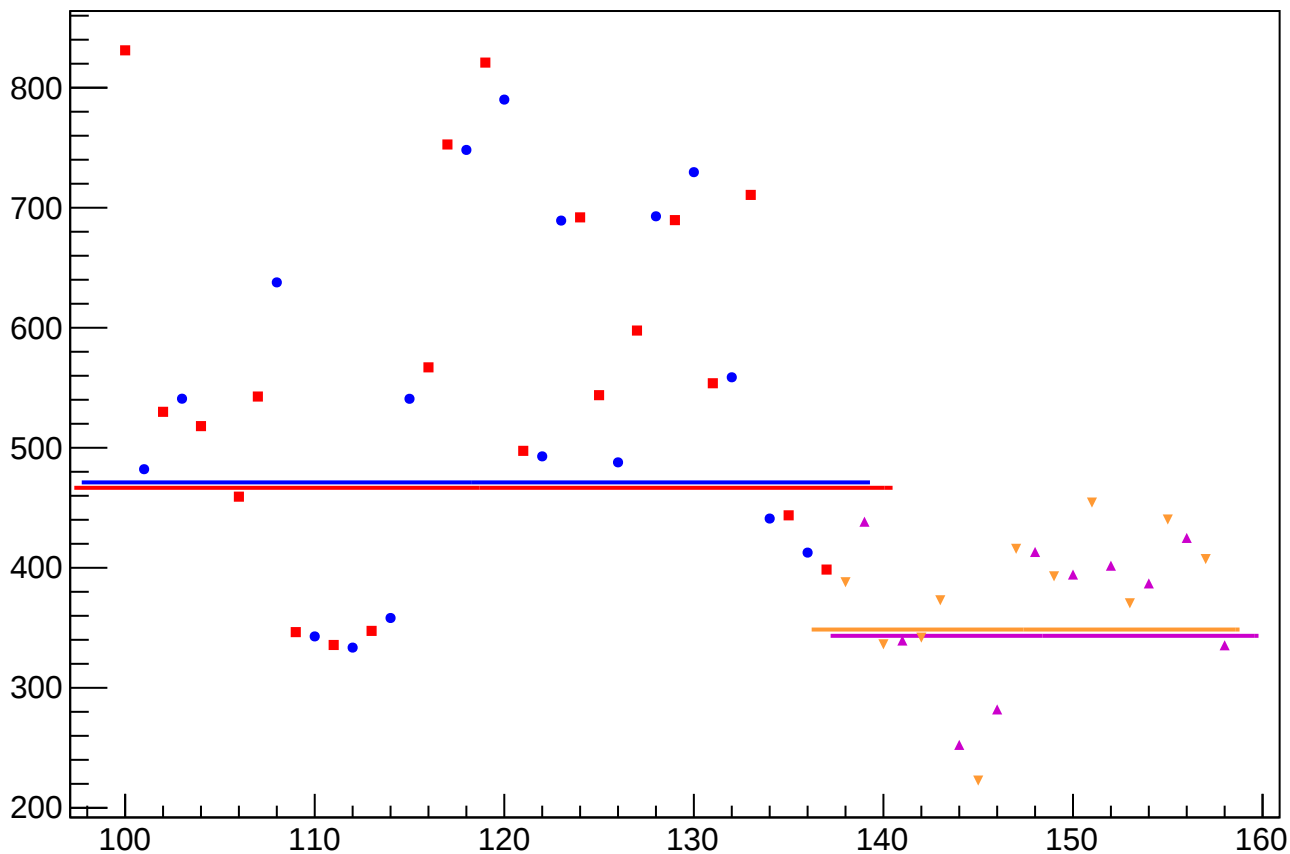
Left In: -120.198+/-122.616 χ^2/NDF : 13.9/9

-328.461+/-104.753 χ^2/NDF : 50.4/27

-139.409+/-72.902 χ^2/NDF : 88.9/57

38.157+/-101.521 χ^2/NDF : 32.2/29

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 471.156 $\pm$ 0.134 χ^2/NDF : 871832.5/16

Left Out: 348.560 $\pm$ 0.089 χ^2/NDF : 756399.4/10

Right Out: 466.655 $\pm$ 0.128 χ^2/NDF : 953088.6/19

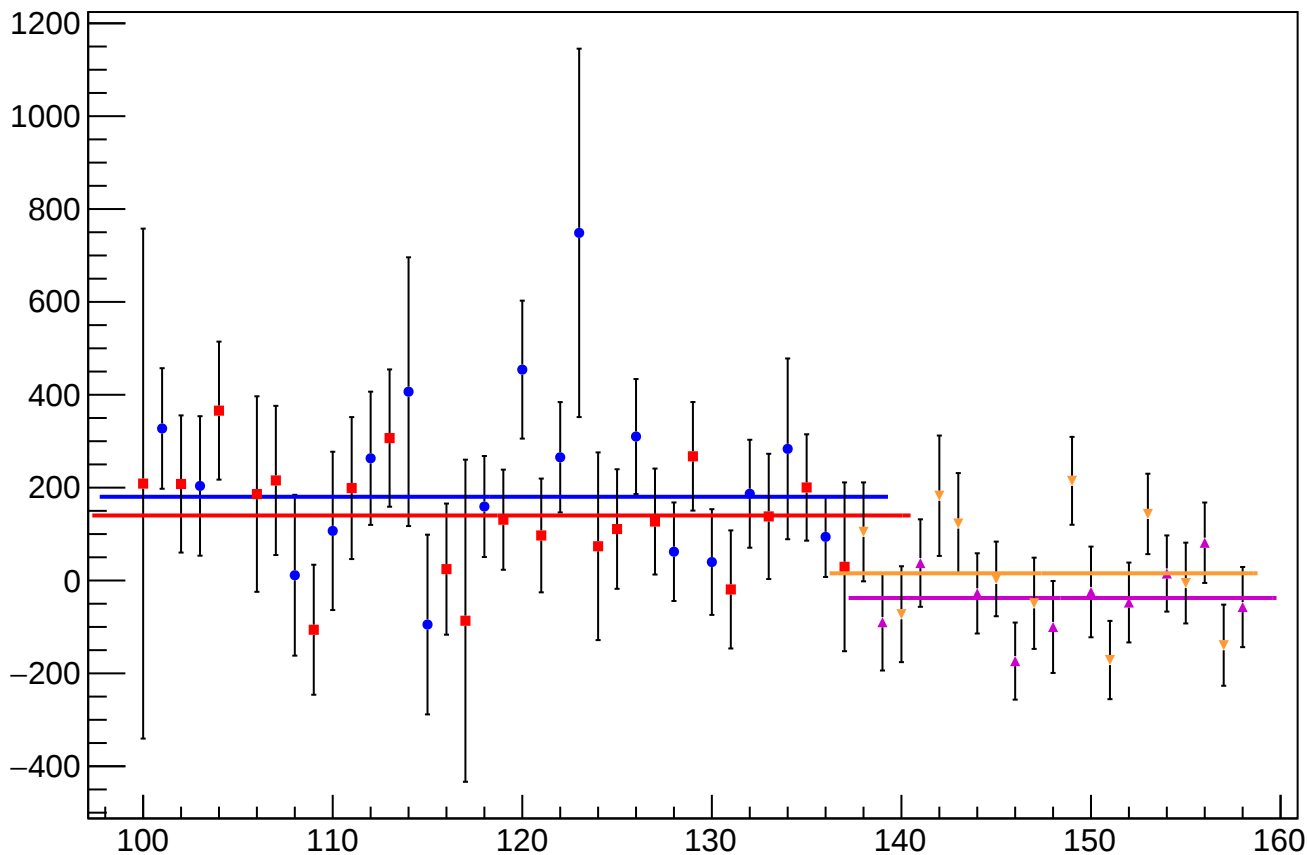
Left In: 343.327 $\pm$ 0.087 χ^2/NDF : 544713.8/9

385.931 $\pm$ 0.074 χ^2/NDF : 2208739.7/27

383.962 $\pm$ 0.052 χ^2/NDF : 4344222.8/57

382.112 $\pm$ 0.072 χ^2/NDF : 2134112.6/29

reg_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 180.326 $\pm$ 32.769 χ^2 /NDF: 16.6/16

Left Out: 15.520 $\pm$ 28.473 χ^2 /NDF:19.2/10

Right Out: 140.070 $\pm$ 32.198 χ^2 /NDF: 12.1/19

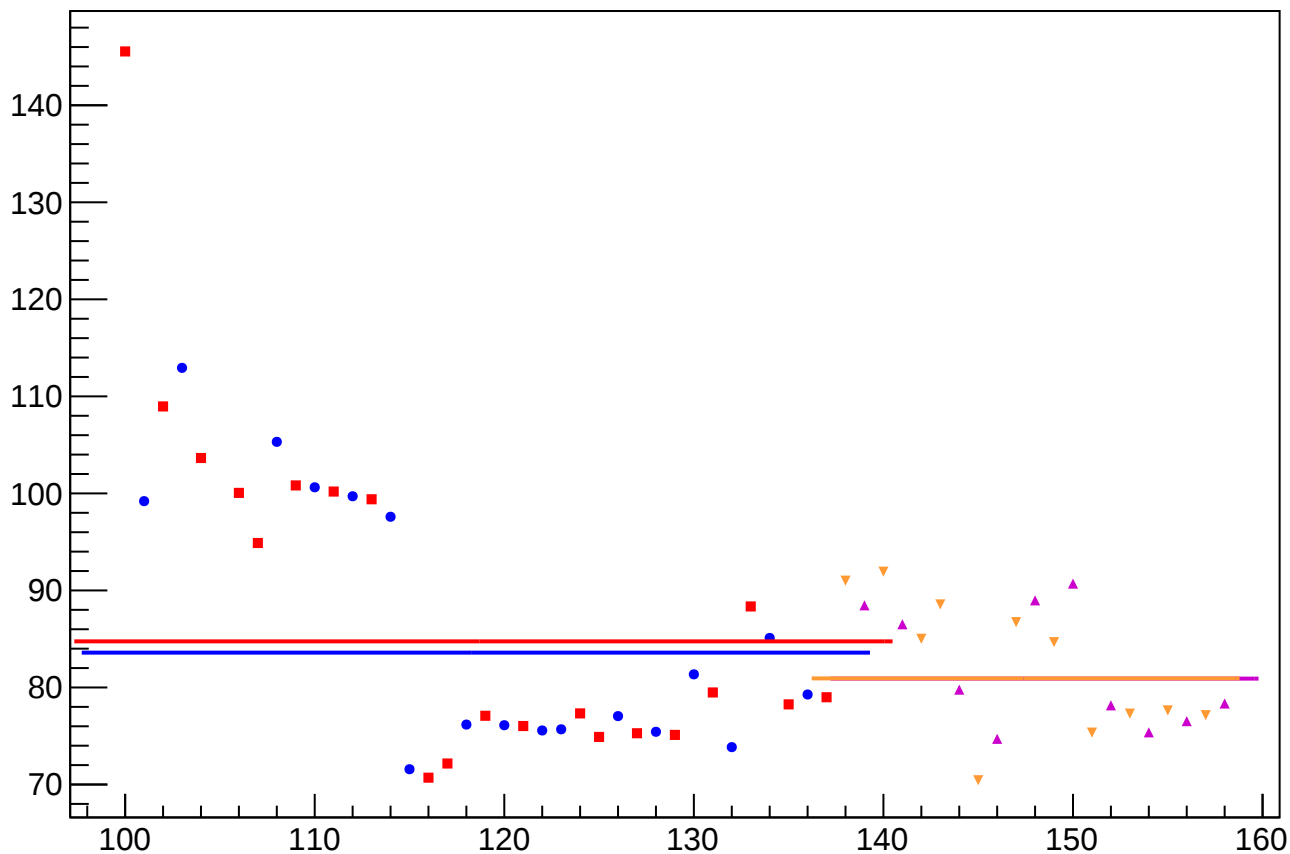
Left In: -37.624 $\pm$ 28.370 χ^2 /NDF:6.4/9

86.418 $\pm$ 21.493 χ^2 /NDF: 50.2/27

63.003 $\pm$ 15.124 χ^2 /NDF: 88.2/57

40.036 $\pm$ 21.286 χ^2 /NDF: 35.6/29

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 83.591 $\pm$ 0.023 χ^2/NDF : 255921.7/16

Left Out: 80.934 $\pm$ 0.020 χ^2/NDF :115526.8/10

Right Out: 84.752 $\pm$ 0.023 χ^2/NDF : 293262.6/19

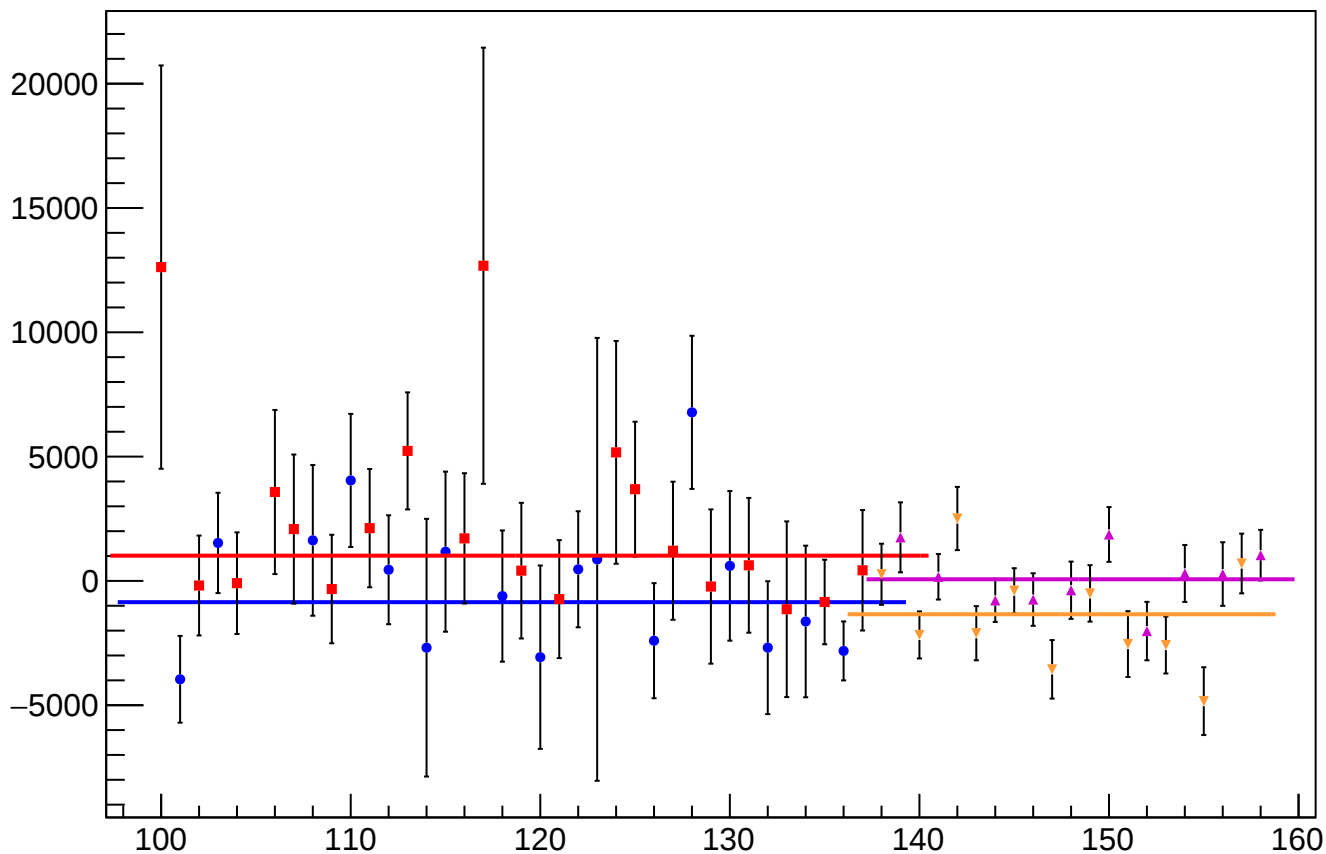
Left In: 80.914 $\pm$ 0.020 χ^2/NDF :80553.0/9

82.077 $\pm$ 0.015 χ^2/NDF : 378936.6/27

82.337 $\pm$ 0.011 χ^2/NDF : 769326.2/57

82.591 $\pm$ 0.015 χ^2/NDF : 389812.3/29

asym_sam_24_68_dd_correction_mean vs Slug, Sign Corrected



Right In: -855.308 ± 583.290 χ^2/NDF : 20.3/16

Left Out: -1341.692 ± 342.429 χ^2/NDF : 28.8/10

Right Out: 1015.523 ± 587.747 χ^2/NDF : 13.3/19

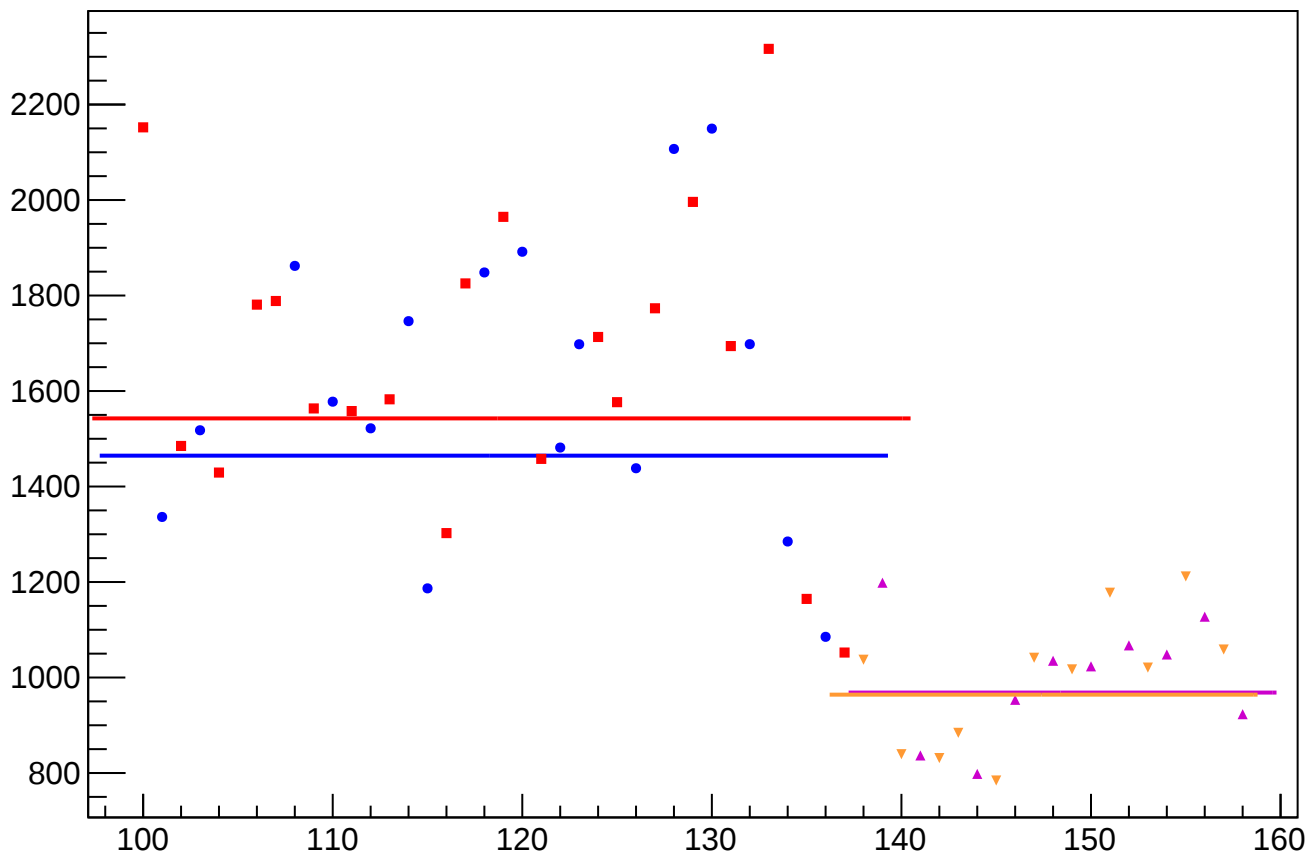
Left In: 65.256 ± 341.655 χ^2/NDF : 10.0/9

-1217.028 ± 295.302 χ^2/NDF : 49.6/27

-456.075 ± 208.836 χ^2/NDF : 88.1/57

305.258 ± 295.376 χ^2/NDF : 25.2/29

asym_sam_24_68_dd_correction_rms vs Slug, Sign Corrected



Right In: 1464.636 $\pm$ 0.412 χ^2 /NDF: 560863.4/16

Left Out: 964.121 $\pm$ 0.242 χ^2 /NDF: 301917.9/10

Right Out: 1542.663 $\pm$ 0.416 χ^2 /NDF: 455797.2/19

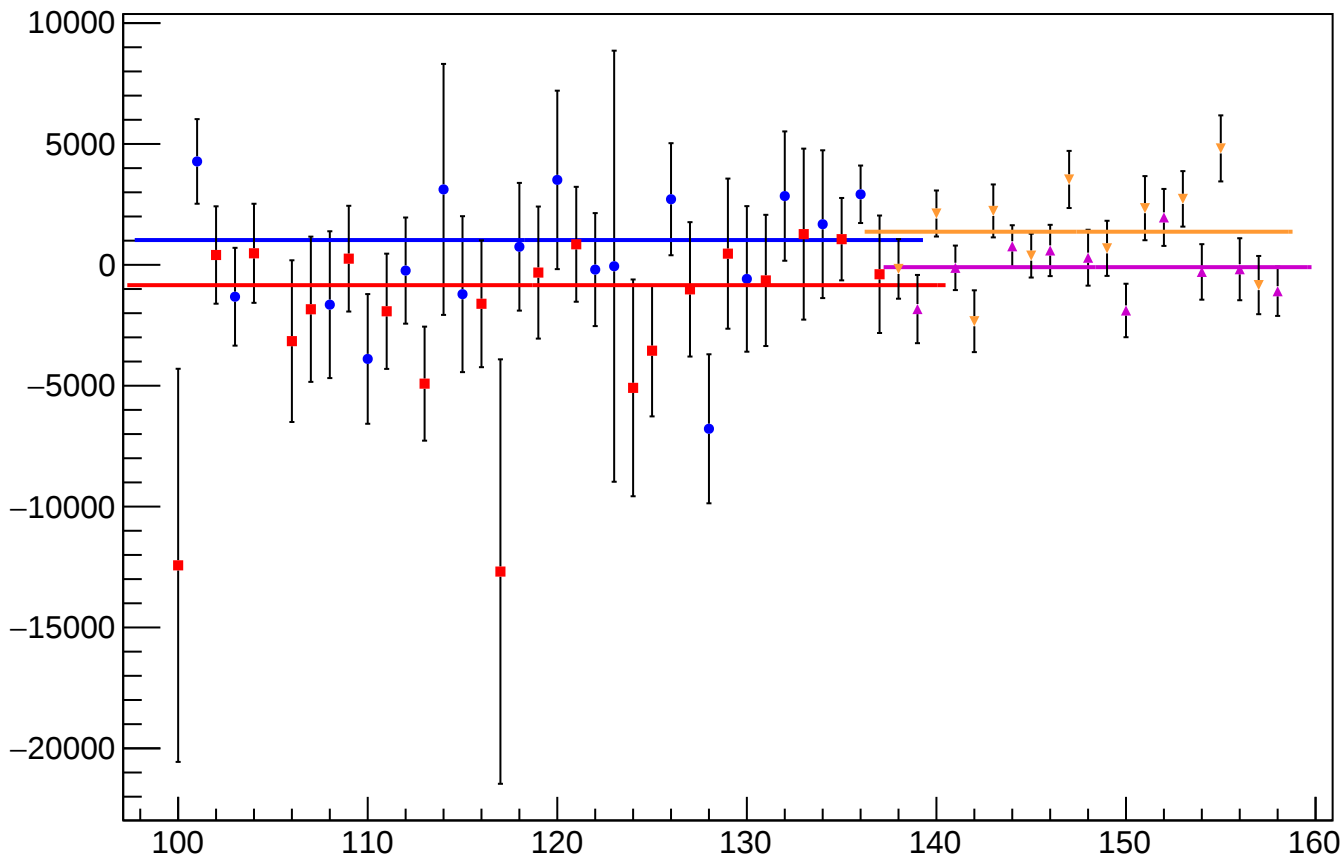
Left In: 968.477 $\pm$ 0.242 χ^2 /NDF: 242839.1/9

1092.408 $\pm$ 0.209 χ^2 /NDF: 1957963.9/27

1102.949 $\pm$ 0.148 χ^2 /NDF: 4088387.3/57

1113.495 $\pm$ 0.209 χ^2 /NDF: 2125325.5/29

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1025.527 $\pm$ 584.500 χ^2 /NDF: 20.9/16

Left Out: 1370.000 $\pm$ 343.795 χ^2 /NDF: 27.7/10

Right Out: -840.586 $\pm$ 589.057 χ^2 /NDF: 13.0/19

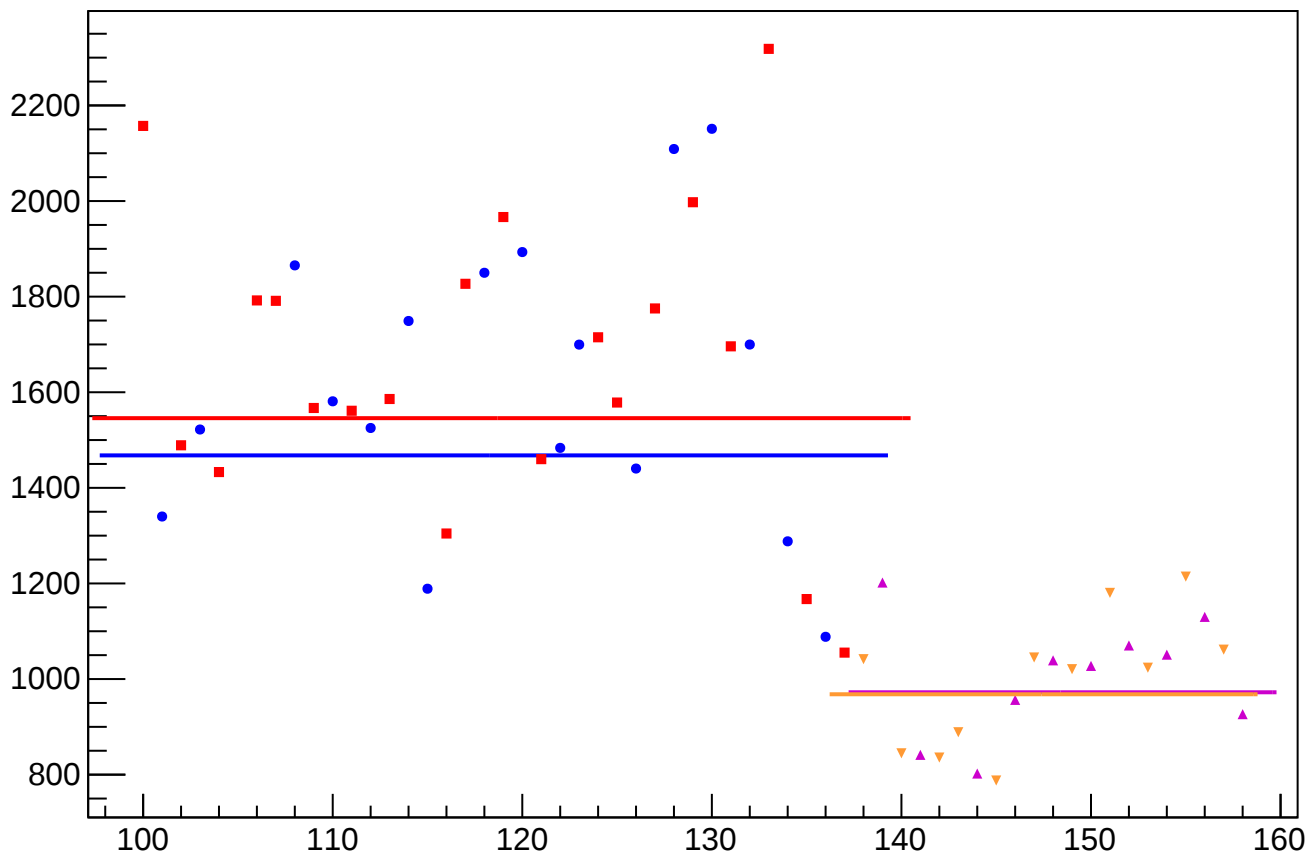
Left In: -95.634 $\pm$ 342.960 χ^2 /NDF: 9.7/9

1281.457 $\pm$ 296.335 χ^2 /NDF: 48.9/27

498.747 $\pm$ 209.558 χ^2 /NDF: 86.8/57

-284.227 $\pm$ 296.385 χ^2 /NDF: 23.9/29

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1467.905 $\pm$ 0.413 χ^2 /NDF: 557458.9/16

Left Out: 968.166 $\pm$ 0.243 χ^2 /NDF: 297332.3/10

Right Out: 1545.785 $\pm$ 0.417 χ^2 /NDF: 453865.6/19

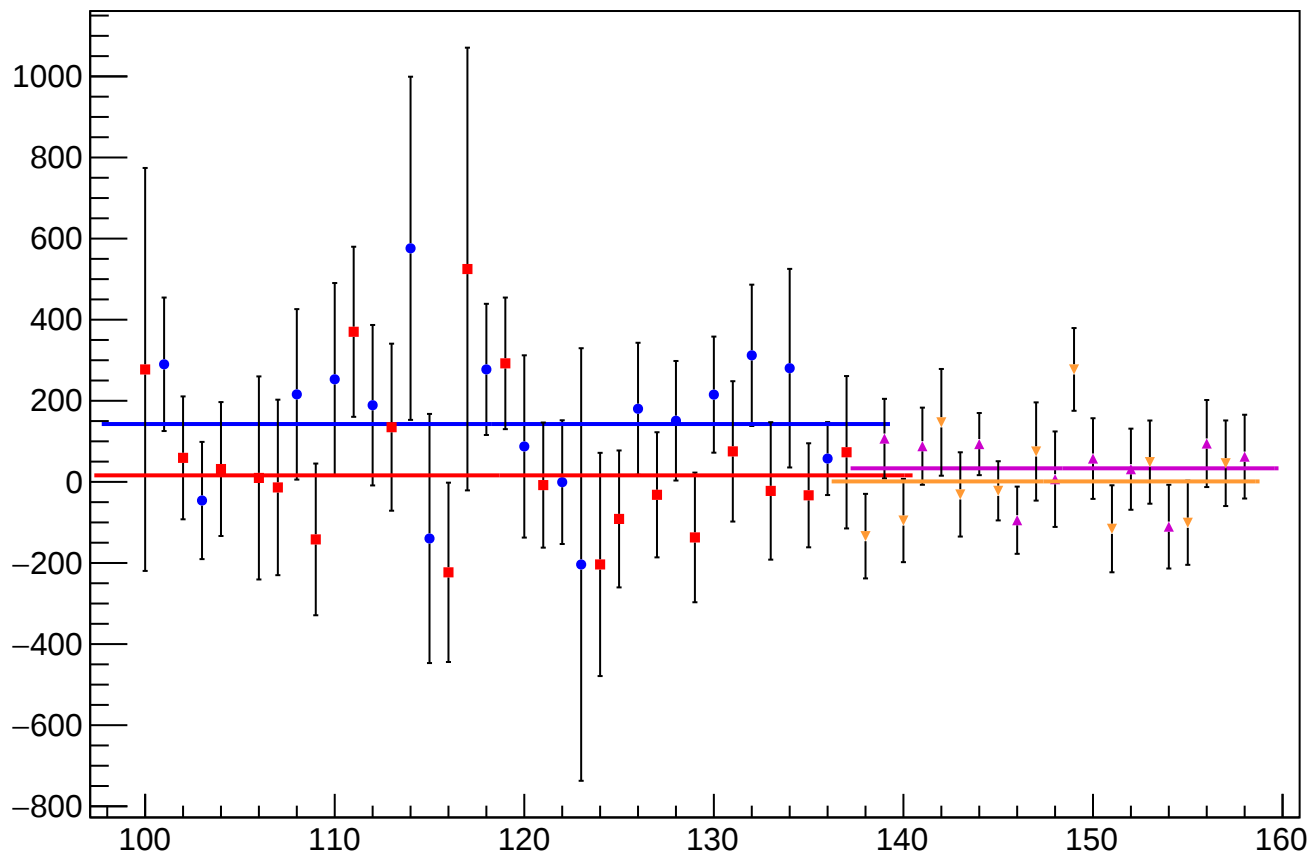
Left In: 972.318 $\pm$ 0.243 χ^2 /NDF: 239150.8/9

1096.618 $\pm$ 0.210 χ^2 /NDF: 1941003.2/27

1107.056 $\pm$ 0.148 χ^2 /NDF: 4054640.9/57

1117.498 $\pm$ 0.210 χ^2 /NDF: 2108674.1/29

reg_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 142.683 $\pm$ 41.625 χ^2 /NDF: 9.3/16

Left Out: 1.171 $\pm$ 30.805 χ^2 /NDF:14.2/10

Right Out: 16.103 $\pm$ 41.277 χ^2 /NDF: 11.7/19

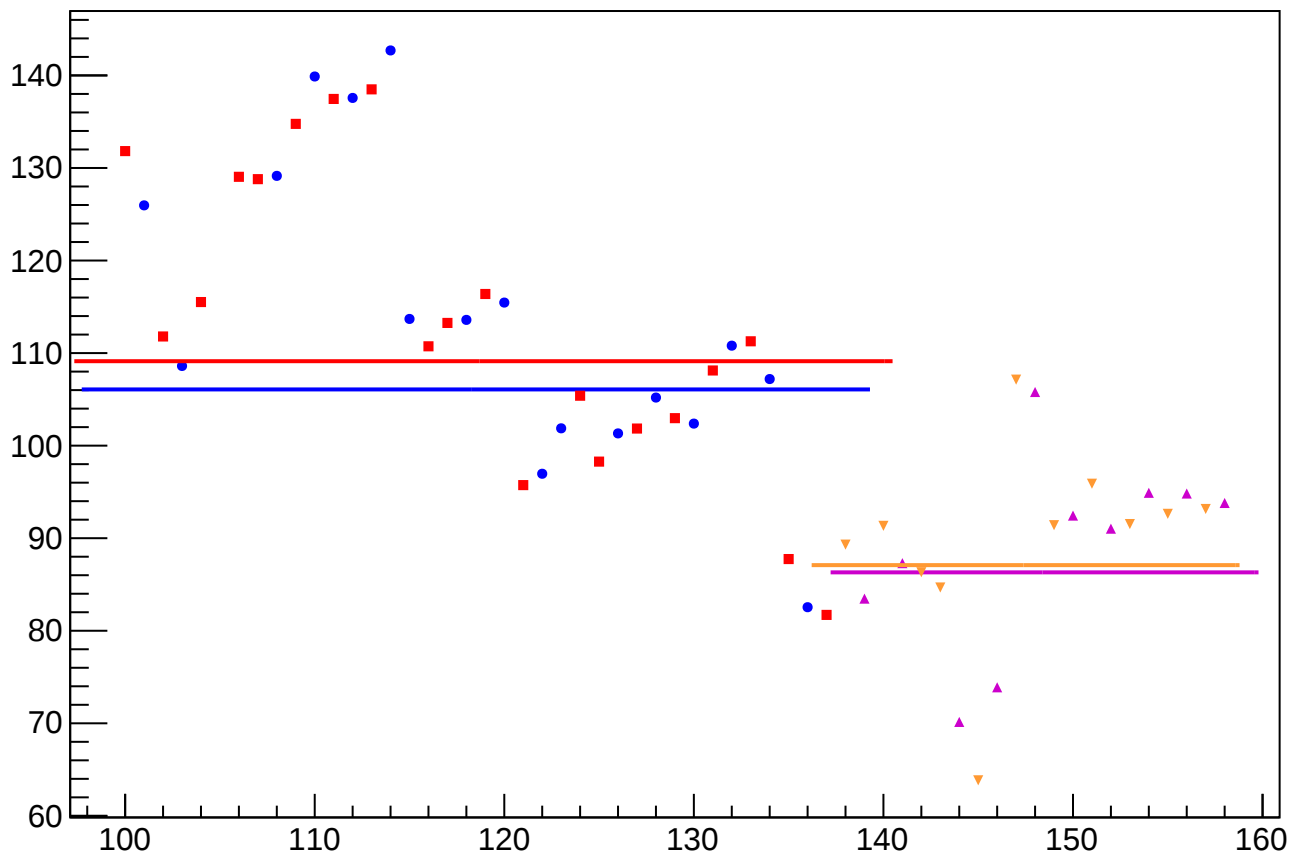
Left In: 33.473 $\pm$ 30.459 χ^2 /NDF:6.3/9

51.249 $\pm$ 24.762 χ^2 /NDF: 31.0/27

39.176 $\pm$ 17.419 χ^2 /NDF: 49.6/57

27.349 $\pm$ 24.509 χ^2 /NDF: 18.2/29

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 106.074 $\pm$ 0.029 χ^2 /NDF: 317907.9/16

Left Out: 87.090 $\pm$ 0.022 χ^2 /NDF: 296315.1/10

Right Out: 109.124 $\pm$ 0.029 χ^2 /NDF: 285510.2/19

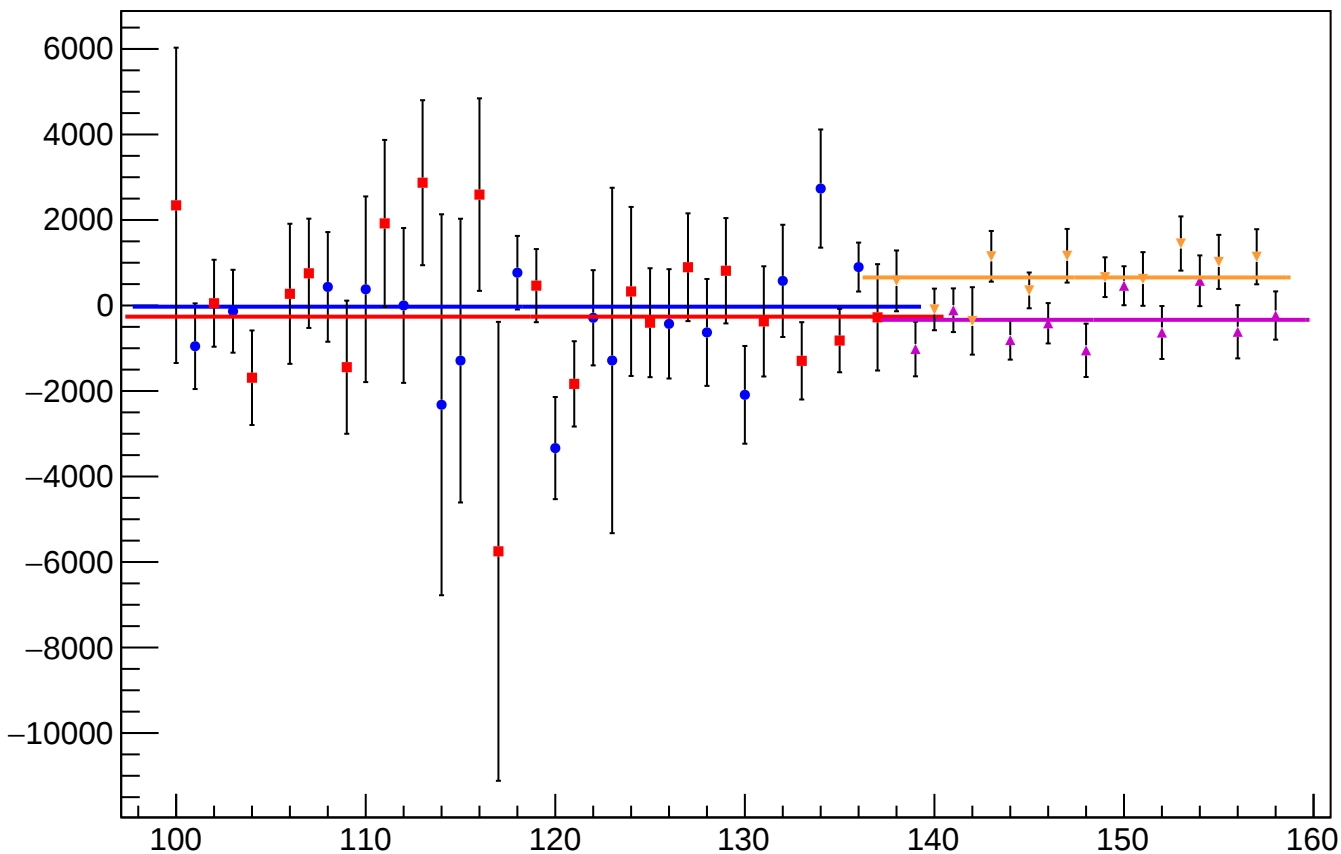
Left In: 86.309 $\pm$ 0.022 χ^2 /NDF: 239569.3/9

93.808 $\pm$ 0.018 χ^2 /NDF: 882991.3/27

94.083 $\pm$ 0.012 χ^2 /NDF: 1804144.3/57

94.353 $\pm$ 0.017 χ^2 /NDF: 920664.2/29

asym_sam_26_48_dd_correction_mean vs Slug, Sign Corrected



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

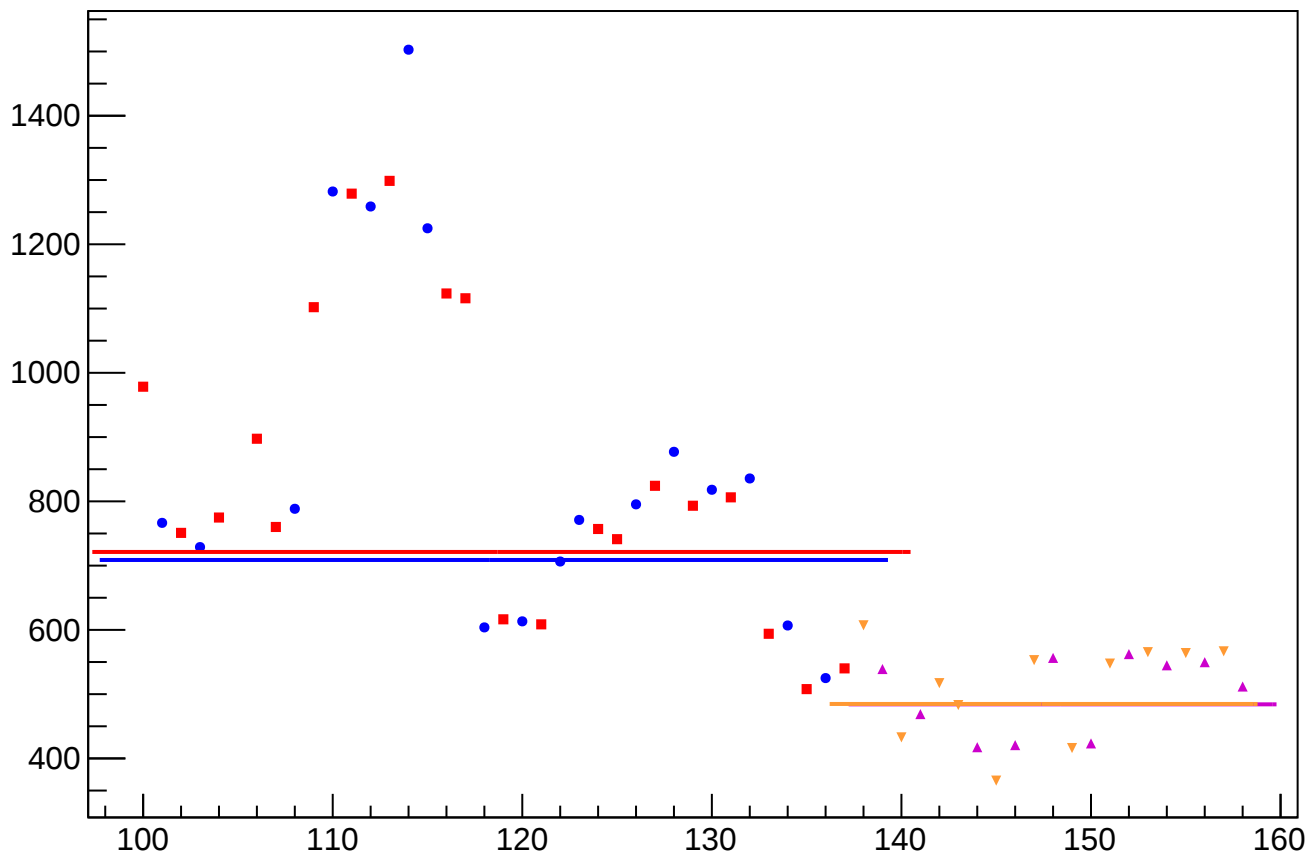
Left In: -335.252 ± 171.301 χ^2/NDF : 9.6/9

470.728 ± 147.624 χ^2/NDF : 33.1/27

73.494 ± 103.804 χ^2/NDF : 74.0/57

-315.004 ± 145.992 χ^2/NDF : 26.6/29

asym_sam_26_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 708.784 $\pm$ 0.201 χ^2 /NDF: 793538.1/16

Left Out: 484.737 $\pm$ 0.122 χ^2 /NDF: 431047.3/10

Right Out: 721.271 $\pm$ 0.197 χ^2 /NDF: 910781.0/19

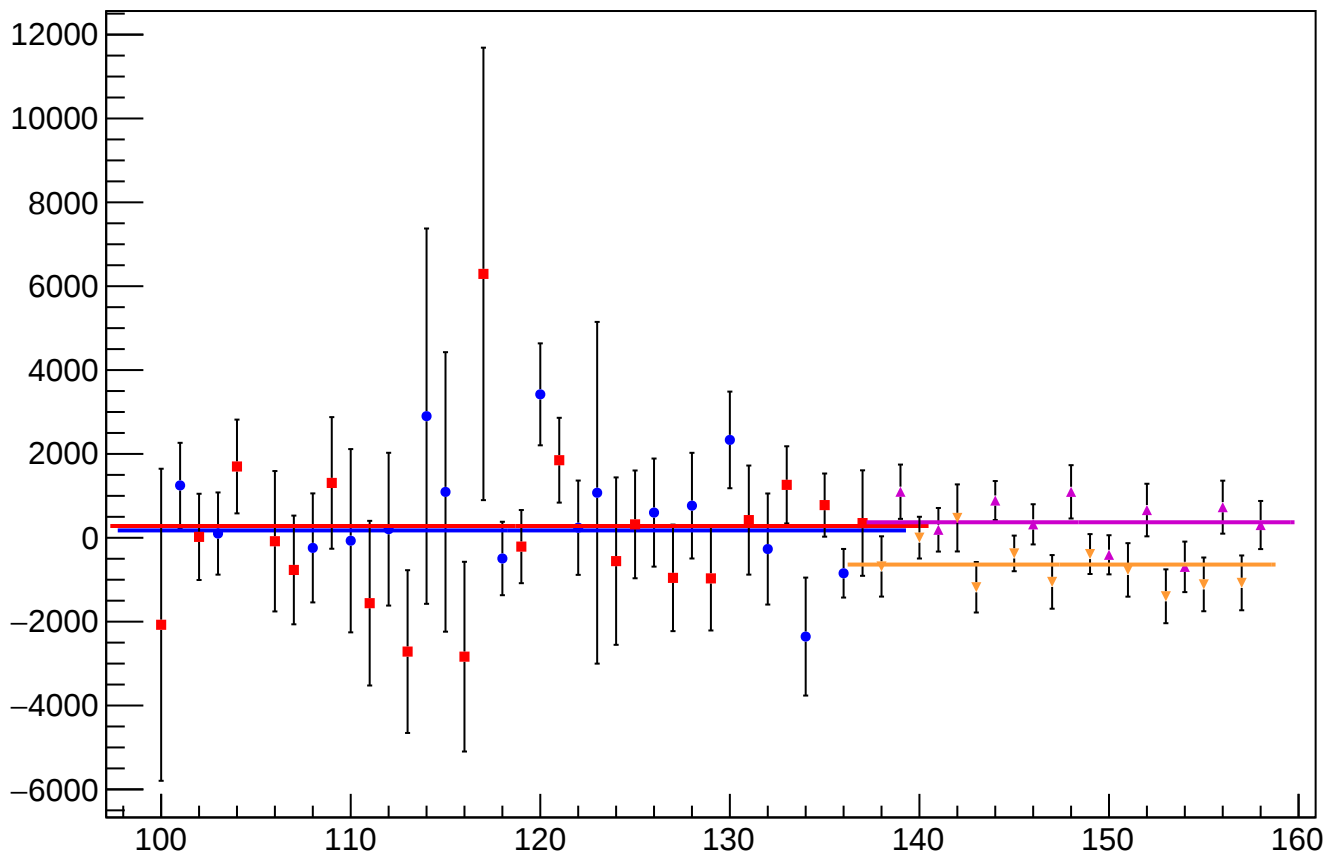
Left In: 484.149 $\pm$ 0.121 χ^2 /NDF: 237349.8/9

545.384 $\pm$ 0.104 χ^2 /NDF: 2134033.7/27

547.233 $\pm$ 0.073 χ^2 /NDF: 4331541.1/57

549.041 $\pm$ 0.103 χ^2 /NDF: 2196886.6/29

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 175.854 ± 287.218 $\chi^2/\text{NDF}: 19.7/16$

Left Out: -638.552 ± 175.821 $\chi^2/\text{NDF}: 7.9/10$

Right Out: 281.173 ± 282.685 $\chi^2/\text{NDF}: 16.1/19$

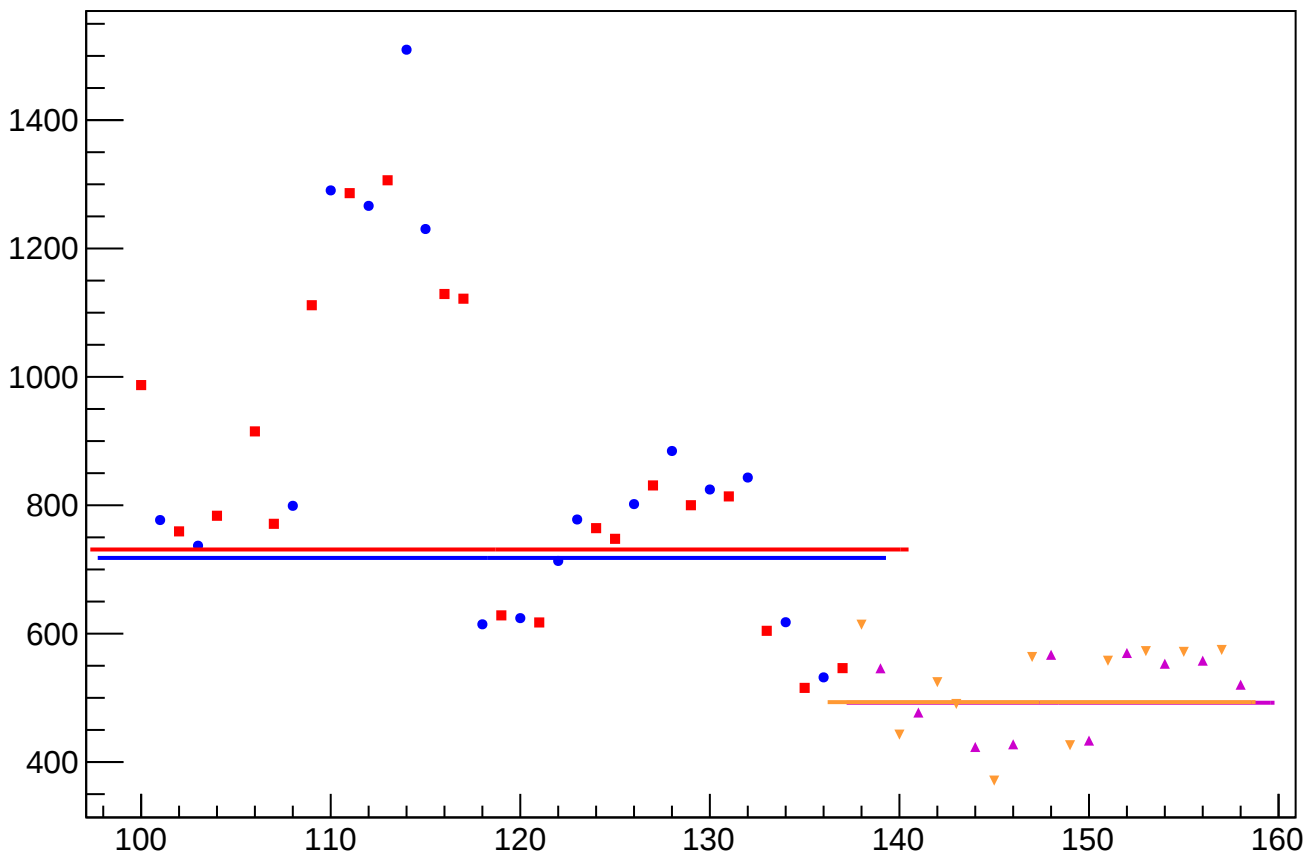
Left In: 370.349 ± 174.157 $\chi^2/\text{NDF}: 10.4/9$

-416.558 ± 149.955 $\chi^2/\text{NDF}: 33.5/27$

-31.080 ± 105.436 $\chi^2/\text{NDF}: 73.1/57$

345.814 ± 148.276 $\chi^2/\text{NDF}: 26.5/29$

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



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

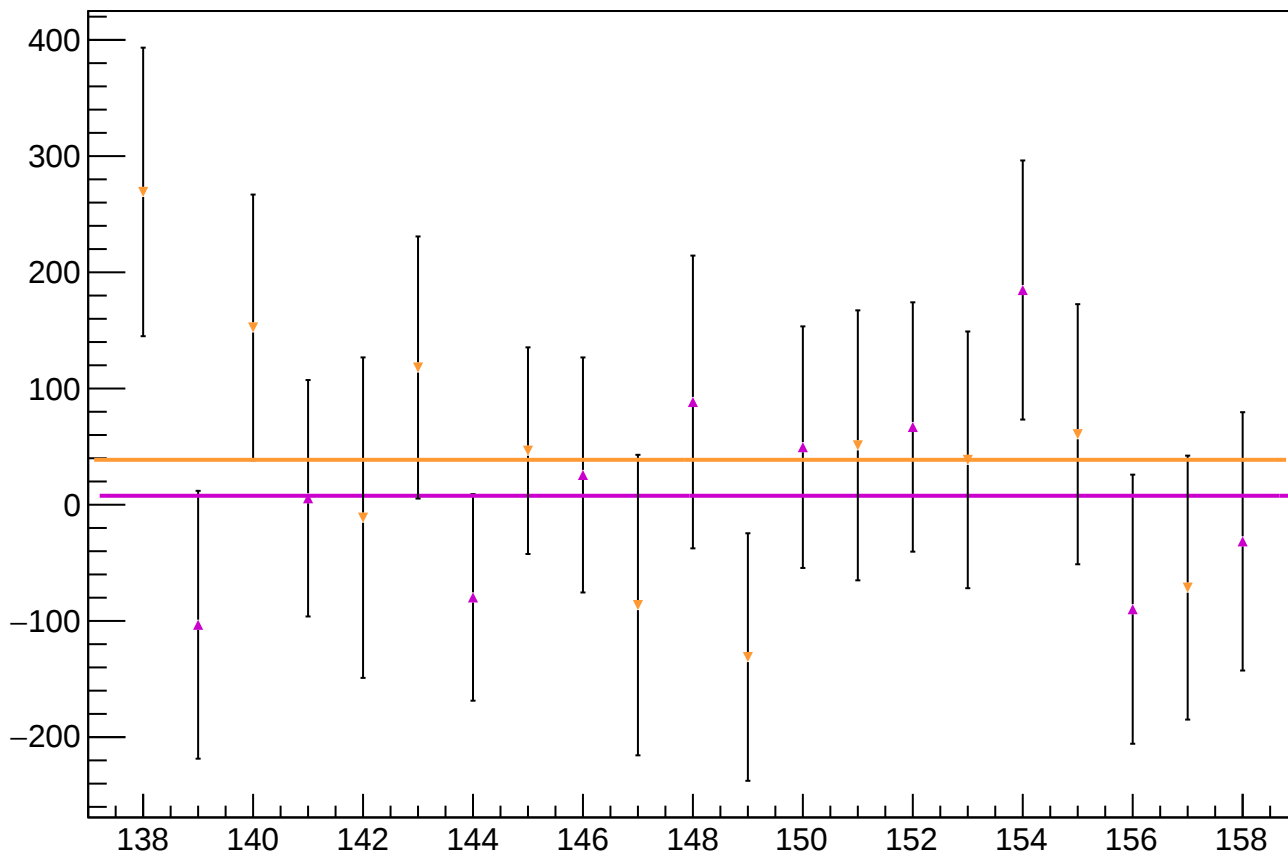
Left In: 492.376+/-0.123 χ^2/NDF : 232693.9/9

554.552+/-0.106 χ^2/NDF : 2090069.0/27

556.326+/-0.075 χ^2/NDF : 4249702.4/57

558.060+/-0.105 χ^2/NDF : 2159079.9/29

reg_asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 38.663+/-34.090 χ^2/NDF : 9.5/10

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

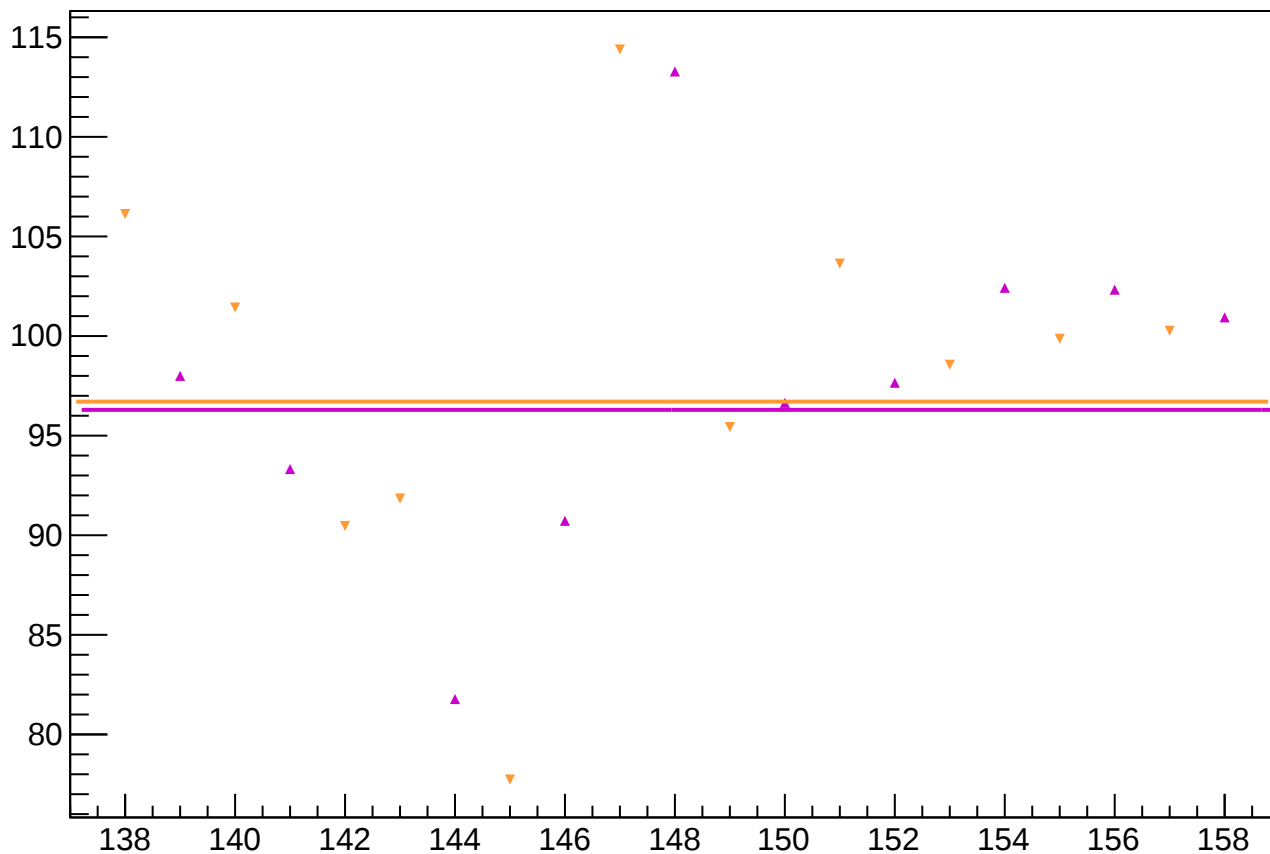
Left In: 7.720+/-33.812 χ^2/NDF : 6.2/9

38.663+/-34.090 χ^2/NDF : 9.5/10

23.065+/-24.007 χ^2/NDF : 16.1/20

7.720+/-33.812 χ^2/NDF : 6.2/9

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

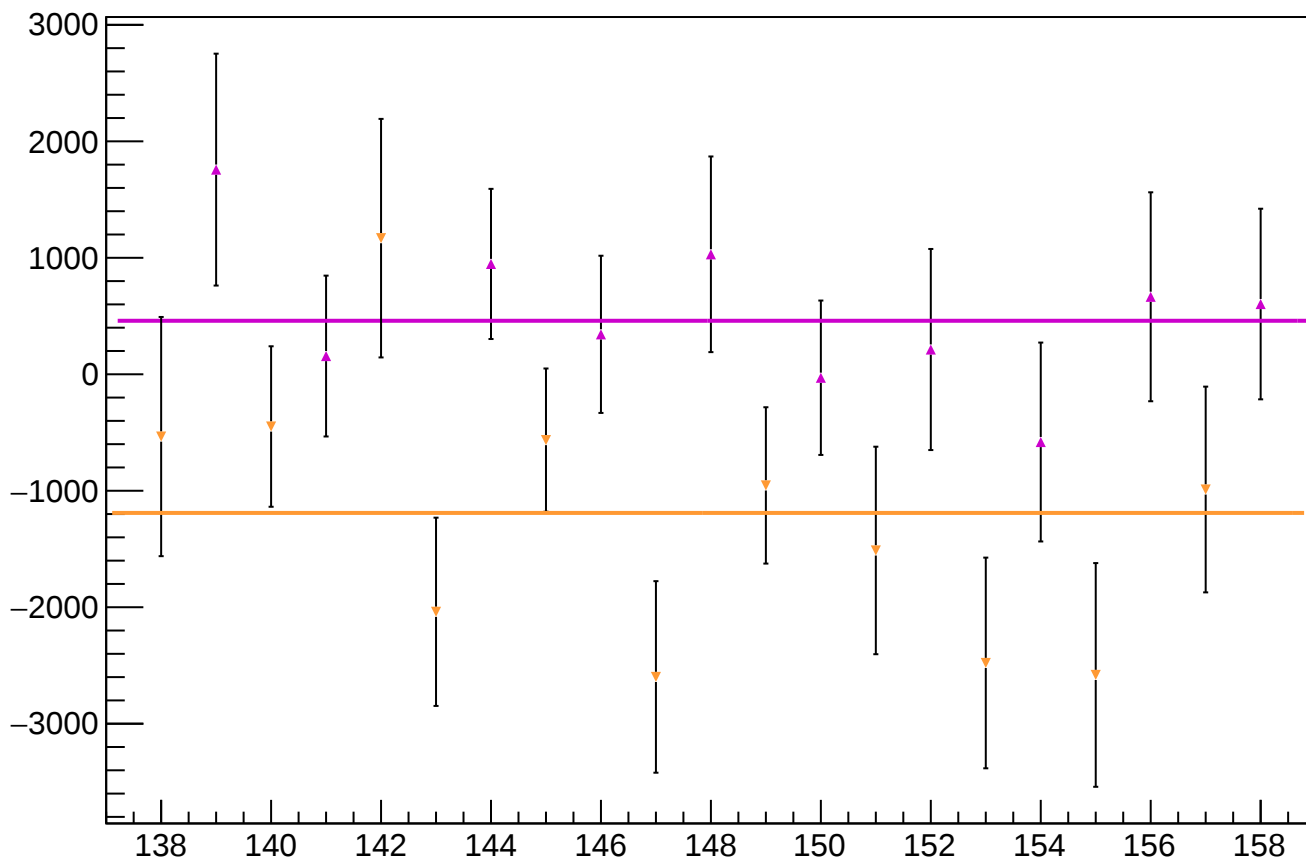
Left In: 96.295+/-0.024 χ^2/NDF :113248.8/9

96.707+/-0.024 χ^2/NDF : 162699.9/10

96.500+/-0.017 χ^2/NDF : 276096.1/20

96.295+/-0.024 χ^2/NDF : 113248.8/9

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1190.316+/-244.451 χ^2/NDF : 16.4/10

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

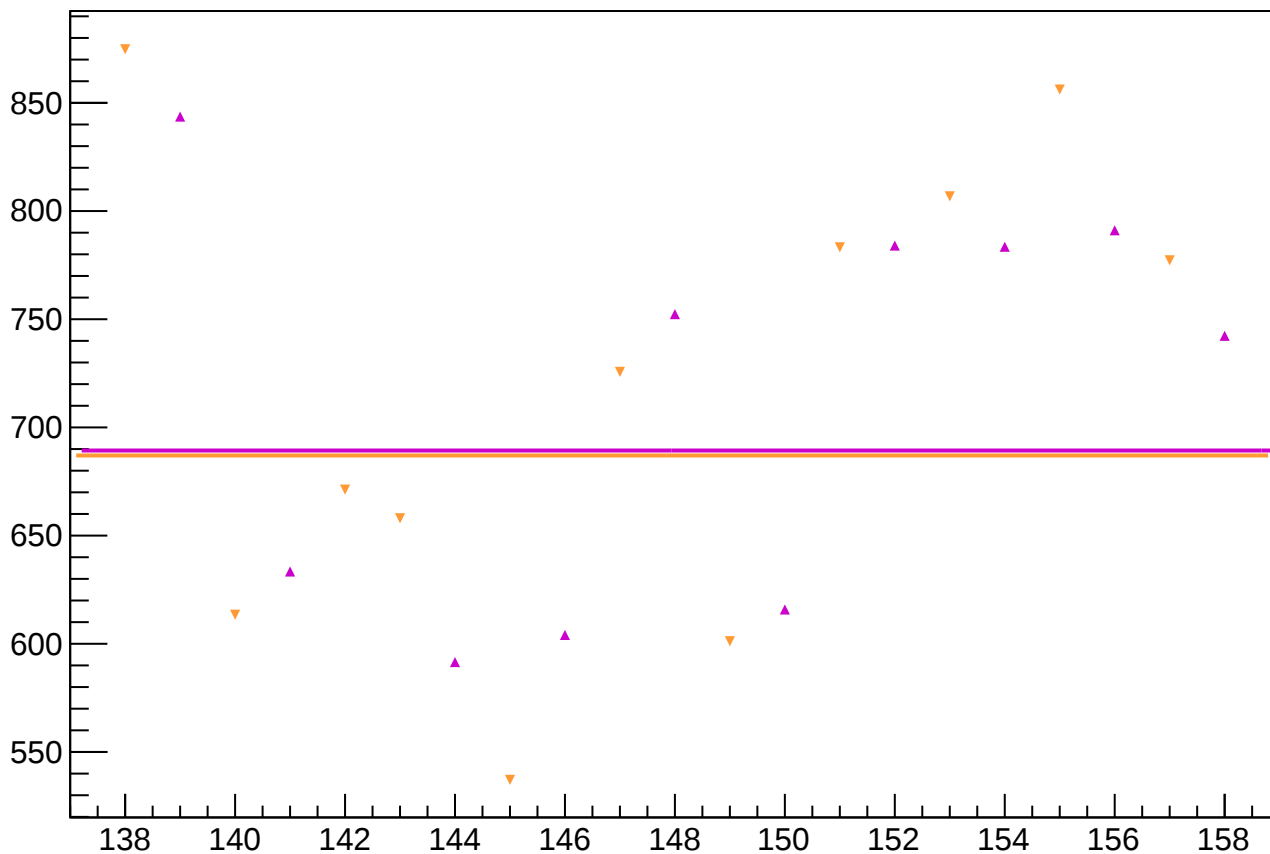
Left In: 459.407+/-243.582 χ^2/NDF : 5.2/9

-1190.316+/-244.451 χ^2/NDF : 16.4/10

-362.517+/-172.545 χ^2/NDF : 44.4/20

459.407+/-243.582 χ^2/NDF : 5.2/9

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 687.029+/-0.173 χ^2/NDF : 390148.5/10

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

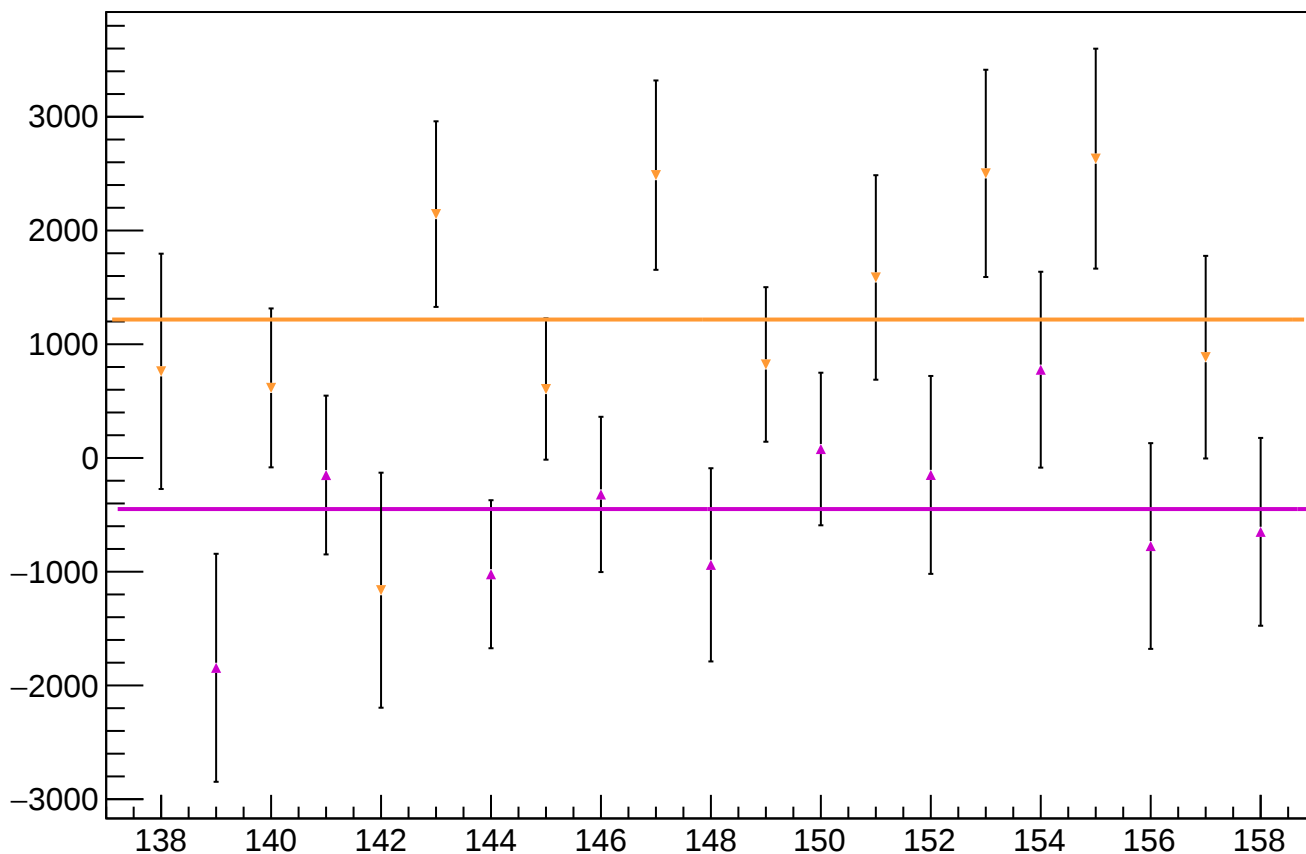
Left In: 689.328+/-0.172 χ^2/NDF : 257523.6/9

687.029+/-0.173 χ^2/NDF : 390148.5/10

688.183+/-0.122 χ^2/NDF : 647760.9/20

689.328+/-0.172 χ^2/NDF : 257523.6/9

asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

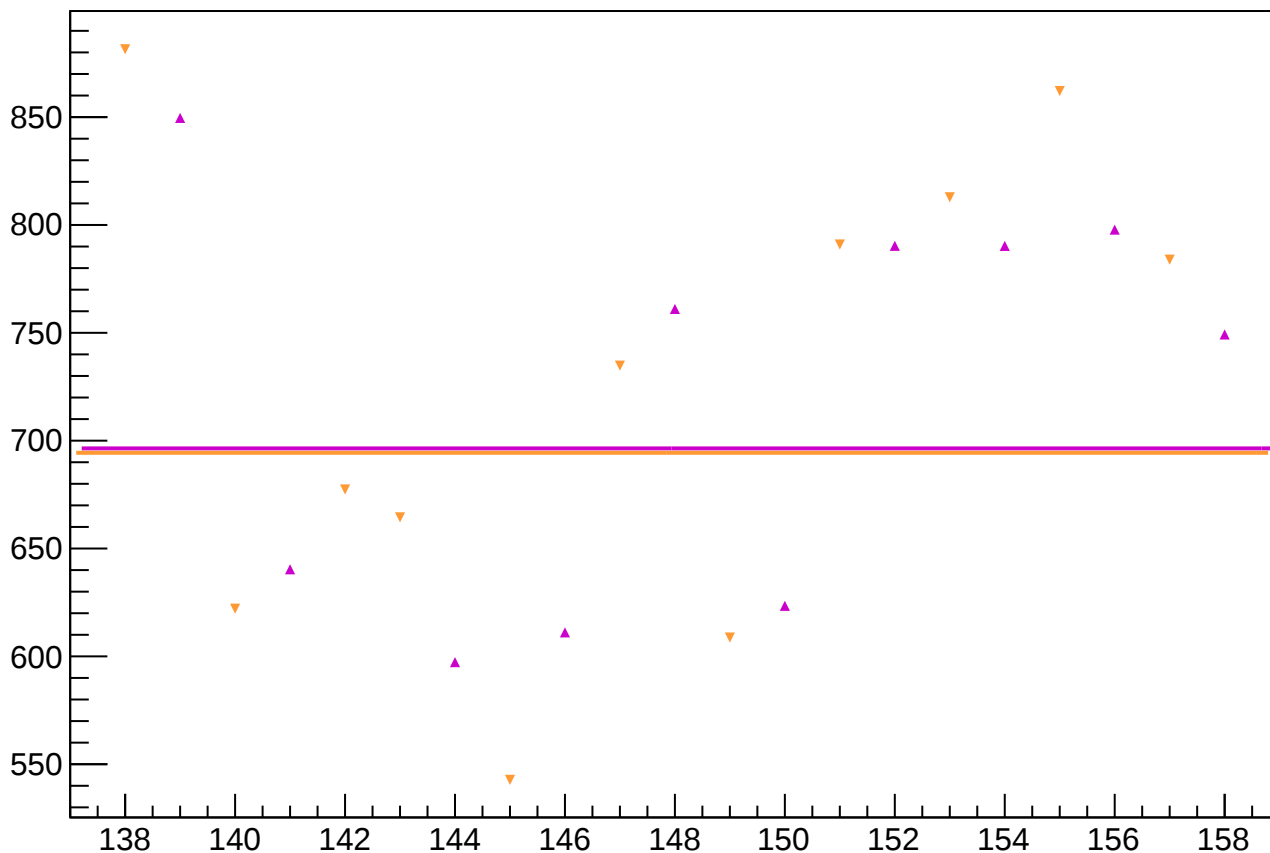
Left In: -449.136+/-246.031 χ^2/NDF : 6.2/9

1217.272+/-246.988 χ^2/NDF : 15.6/10

380.834+/-174.307 χ^2/NDF : 44.7/20

-449.136+/-246.031 χ^2/NDF : 6.2/9

asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 694.383+/-0.175 χ^2/NDF : 382959.9/10

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

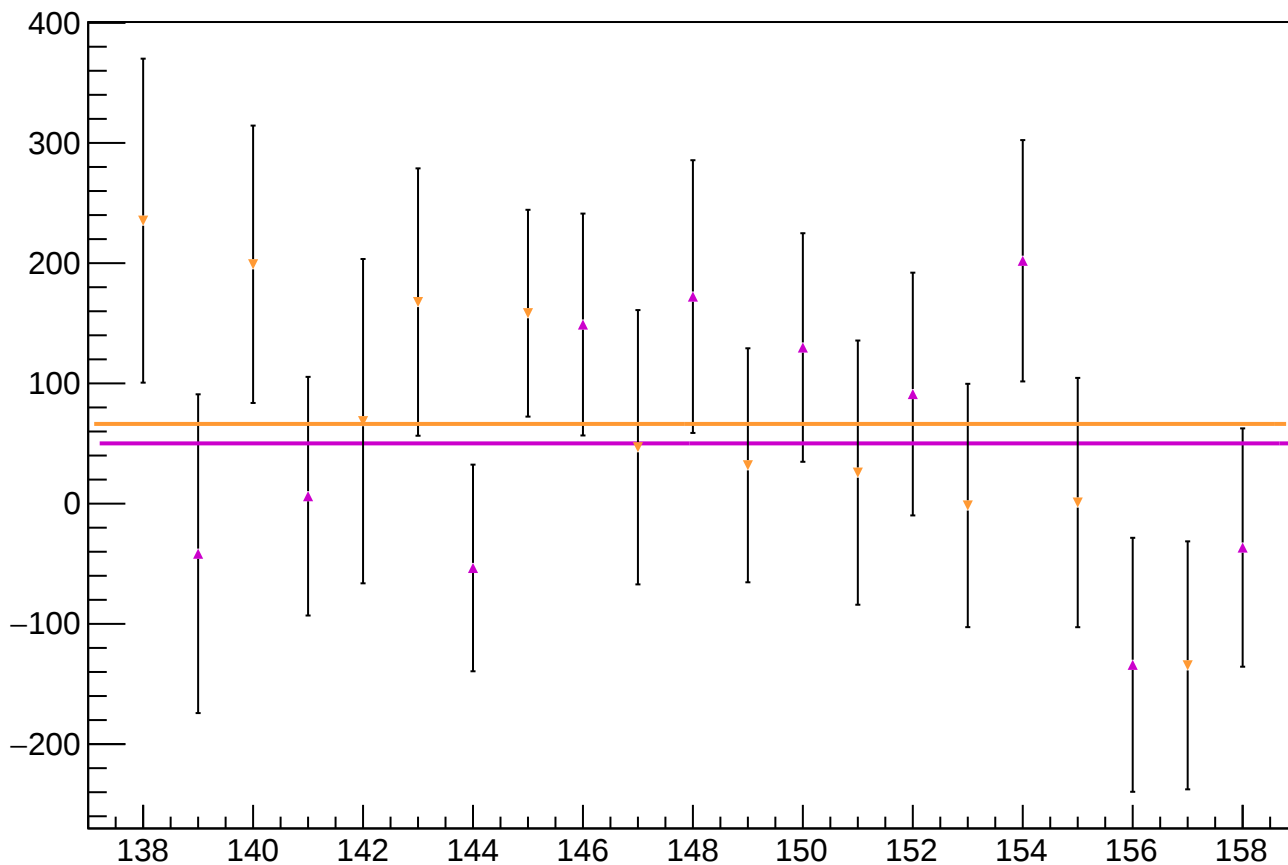
Left In: 696.414+/-0.174 χ^2/NDF : 252887.5/9

694.383+/-0.175 χ^2/NDF : 382959.9/10

695.402+/-0.123 χ^2/NDF : 635915.2/20

696.414+/-0.174 χ^2/NDF : 252887.5/9

reg_asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

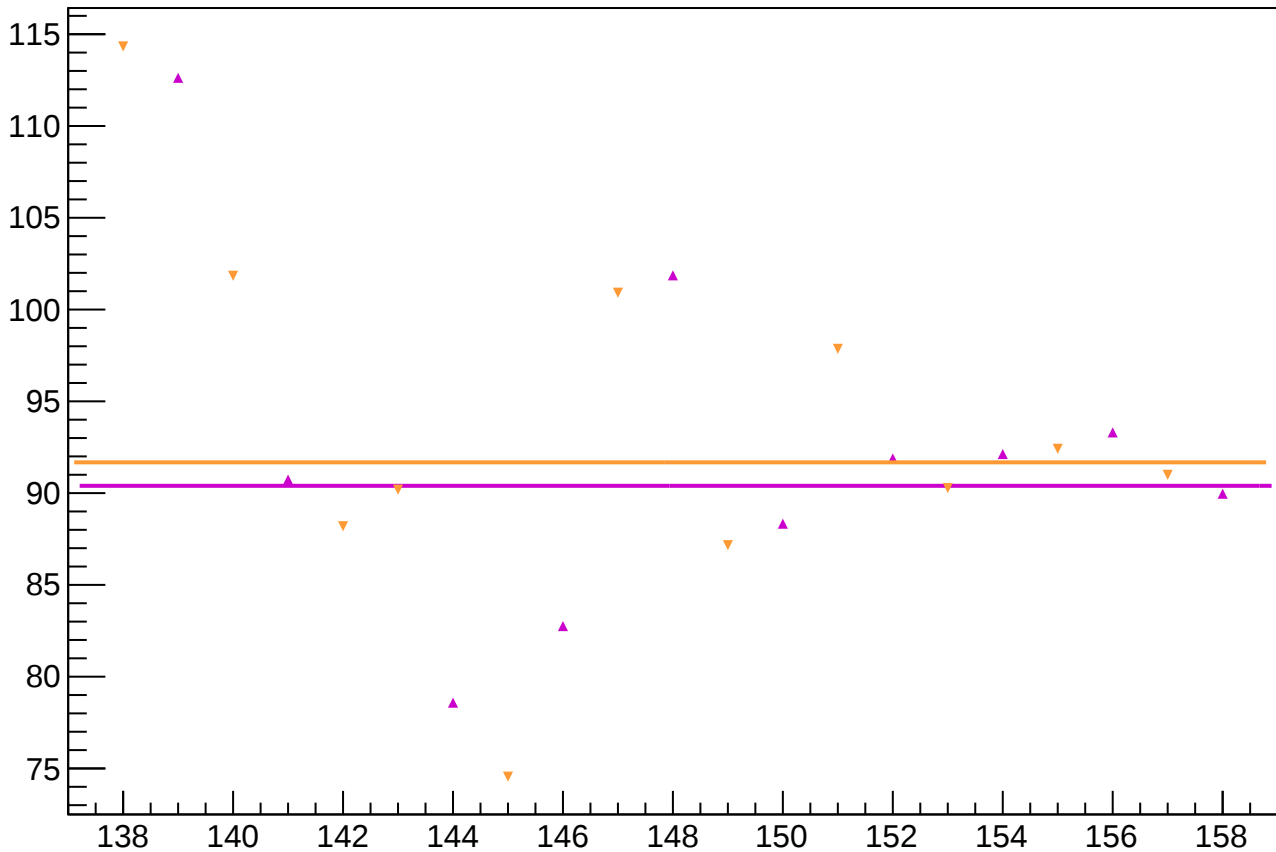
Left In: 50.111+/-31.804 χ^2/NDF : 11.4/9

66.301+/-32.421 χ^2/NDF : 9.8/10

58.051+/-22.704 χ^2/NDF : 21.3/20

50.111+/-31.804 χ^2/NDF : 11.4/9

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 91.676+/-0.023 χ^2/NDF :177422.2/10

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

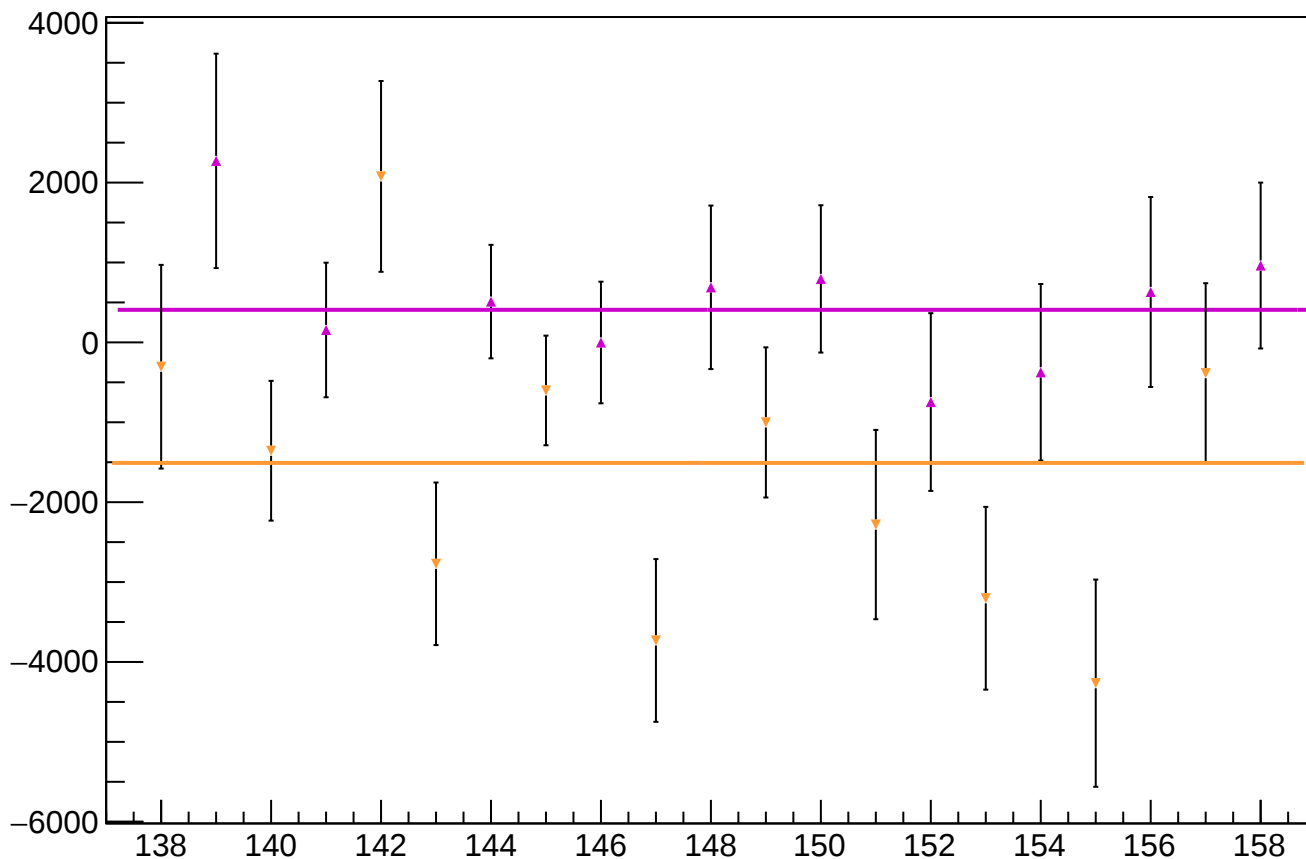
Left In: 90.398+/-0.022 χ^2/NDF :131755.6/9

91.676+/-0.023 χ^2/NDF : 177422.2/10

91.025+/-0.016 χ^2/NDF : 310761.6/20

90.398+/-0.022 χ^2/NDF : 131755.6/9

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1508.661+/-306.104 χ^2/NDF : 26.4/10

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

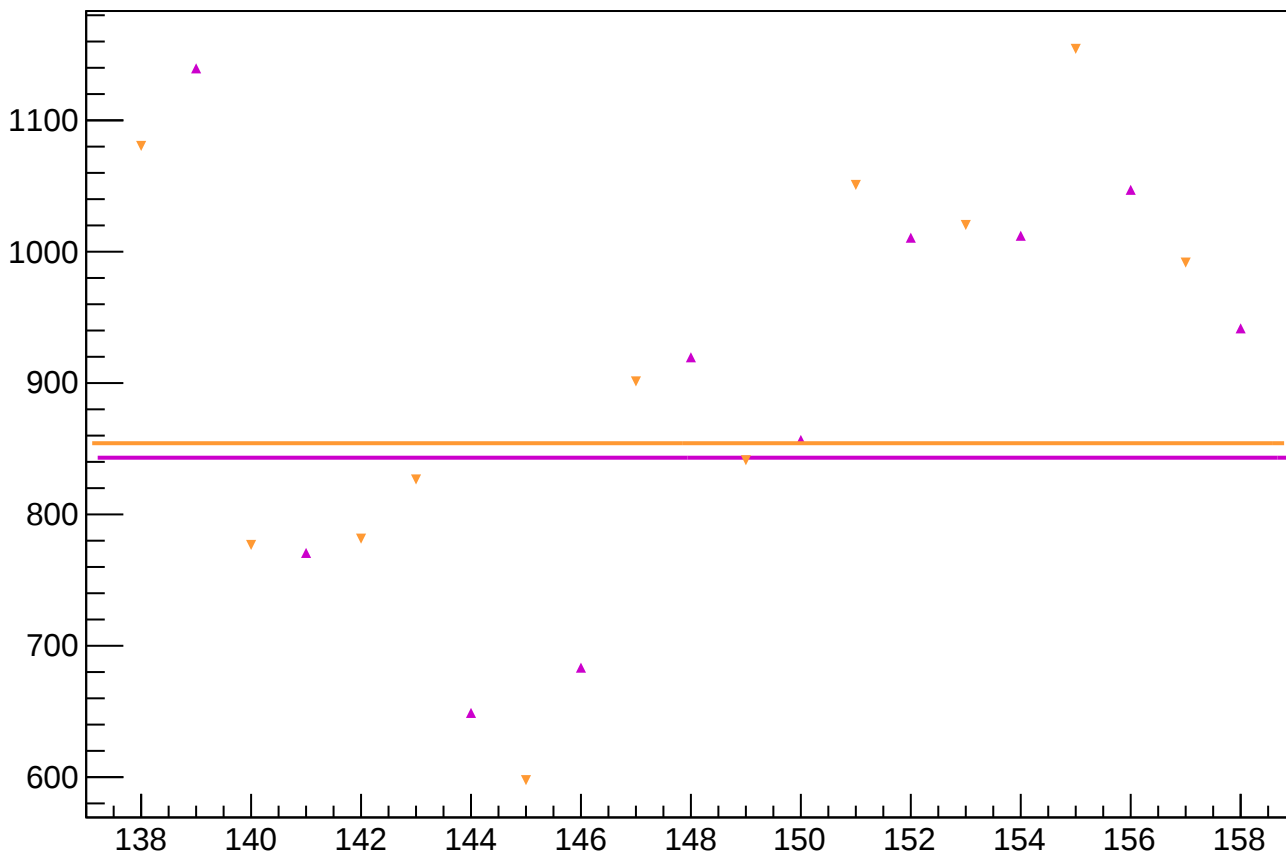
Left In: 407.622+/-300.580 χ^2/NDF : 4.5/9

-1508.661+/-306.104 χ^2/NDF : 26.4/10

-533.073+/-214.468 χ^2/NDF : 50.8/20

407.622+/-300.580 χ^2/NDF : 4.5/9

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 854.206+/-0.216 χ^2/NDF : 606130.4/10

854.206+/-0.216 χ^2/NDF : 606130.4/10

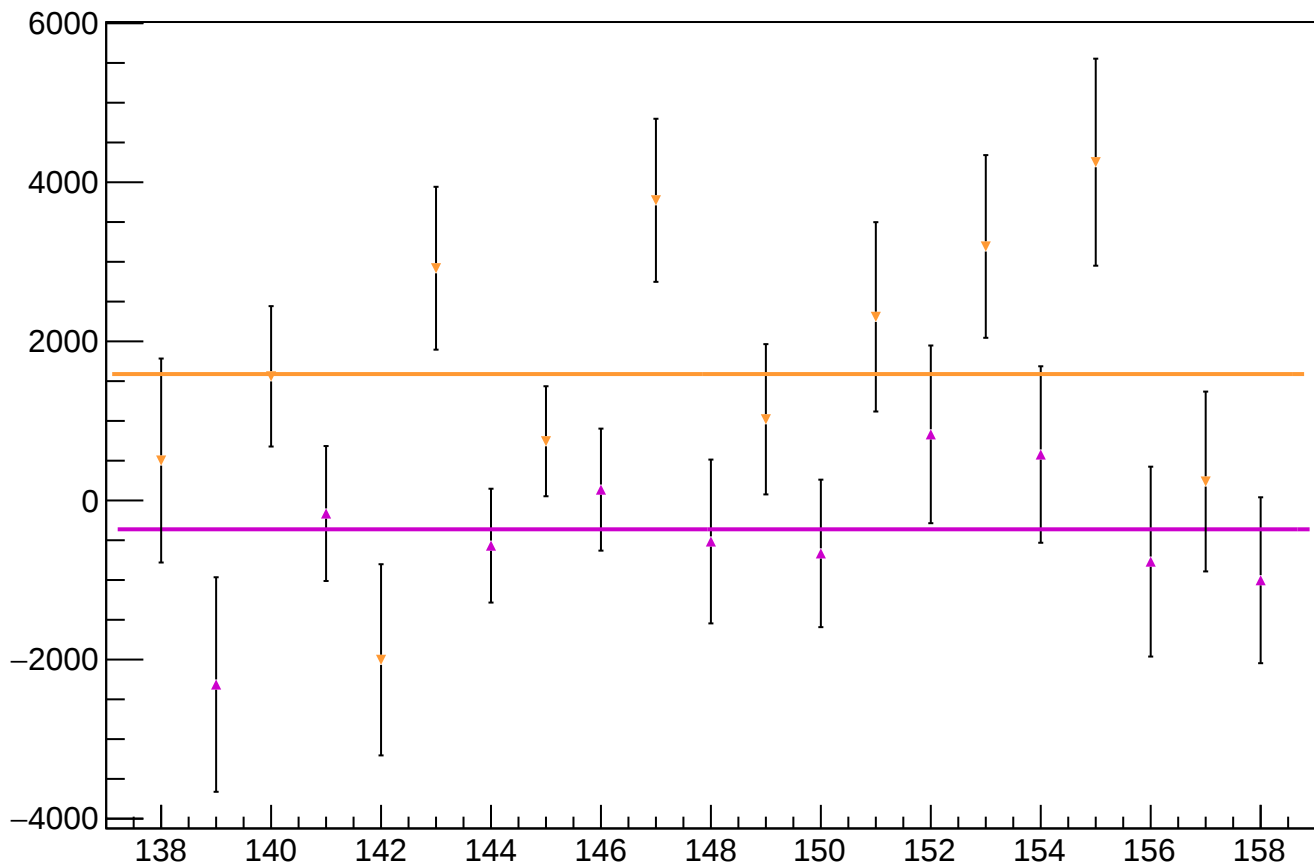
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

848.591+/-0.152 χ^2/NDF : 1138285.8/20

Left In: 843.176+/-0.213 χ^2/NDF : 530833.3/9

843.176+/-0.213 χ^2/NDF : 530833.3/9

asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

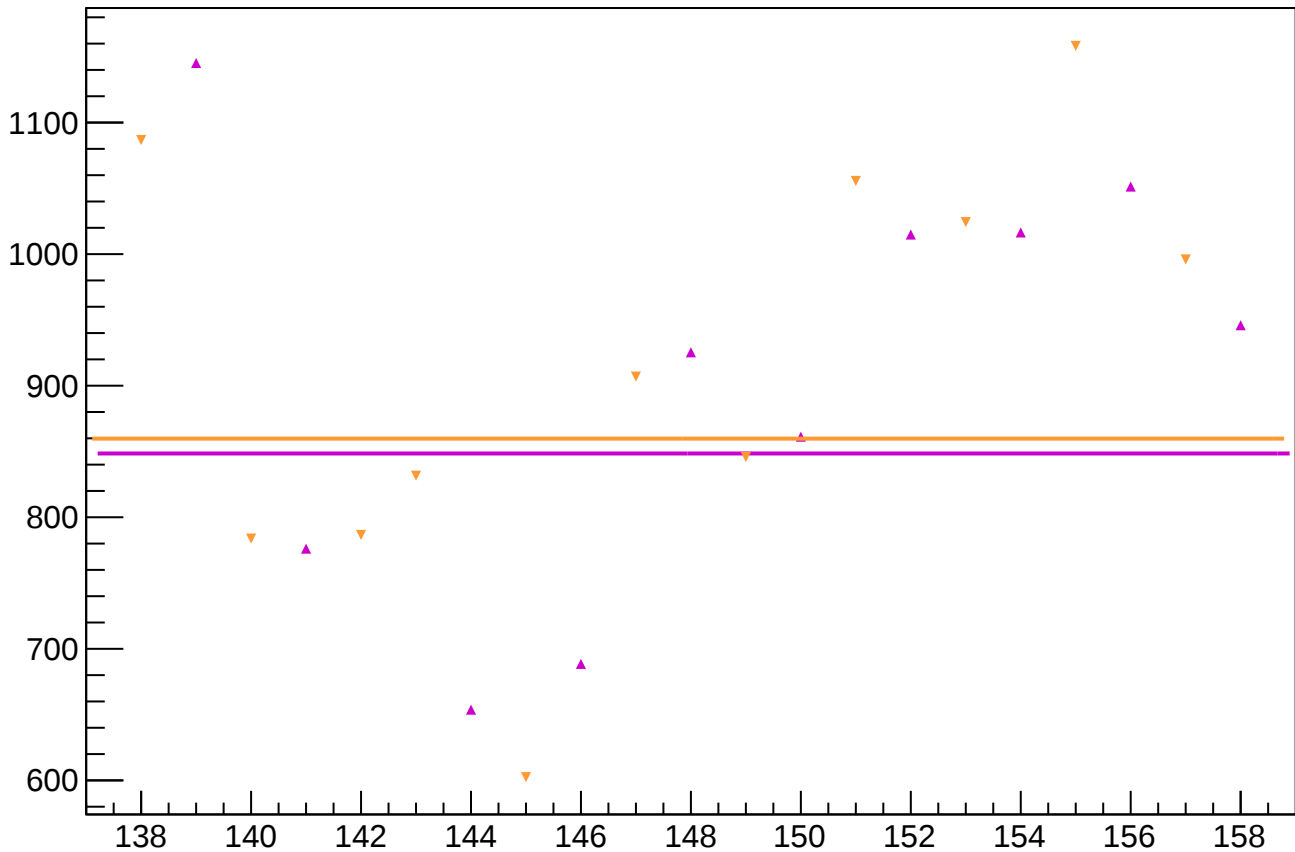
Left In: -362.602+/-302.390 χ^2/NDF : 5.1/9

1588.941+/-308.005 χ^2/NDF : 25.7/10

595.219+/-215.780 χ^2/NDF : 51.3/20

-362.602+/-302.390 χ^2/NDF : 5.1/9

asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

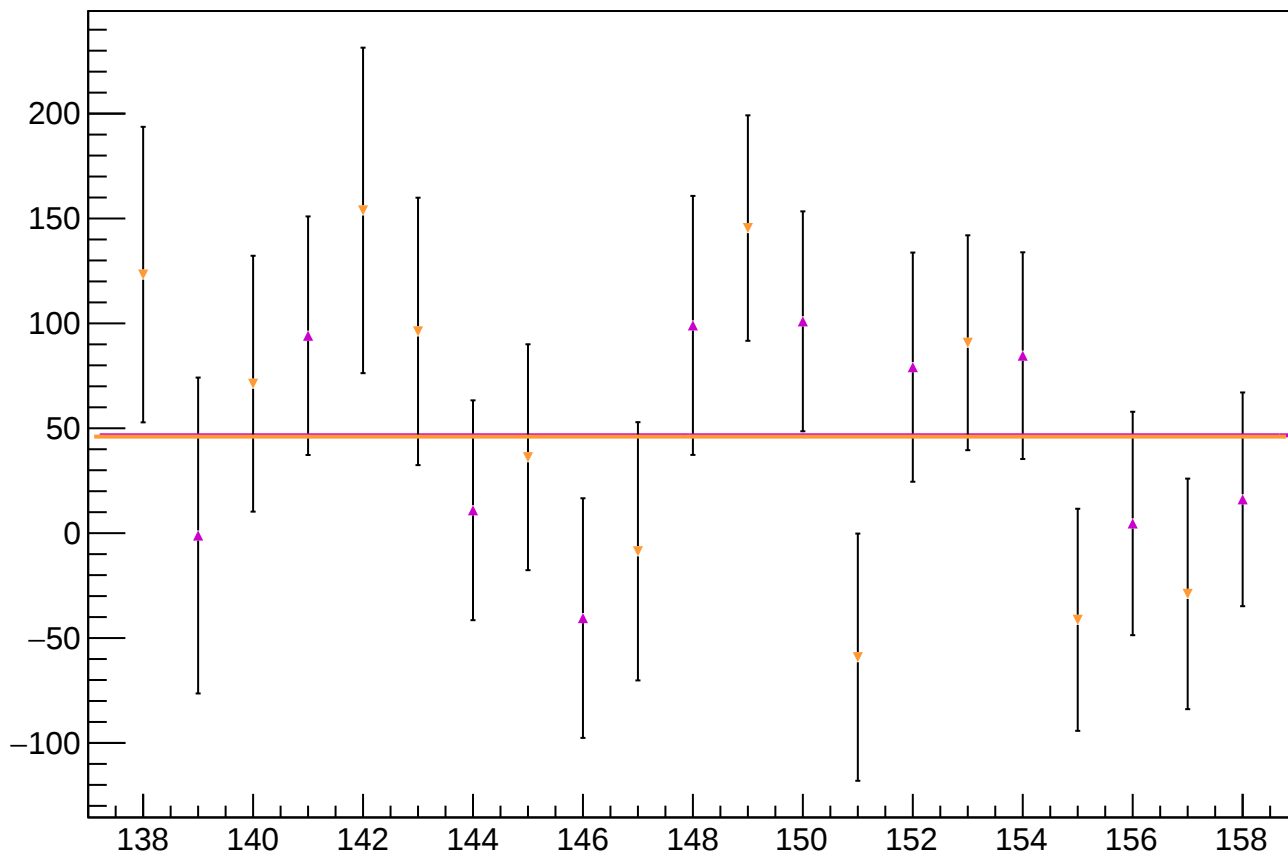
Left In: 848.474+/-0.214 χ^2/NDF : 523559.6/9

859.761+/-0.218 χ^2/NDF : 597564.9/10

854.014+/-0.153 χ^2/NDF : 1122492.2/20

848.474+/-0.214 χ^2/NDF : 523559.6/9

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

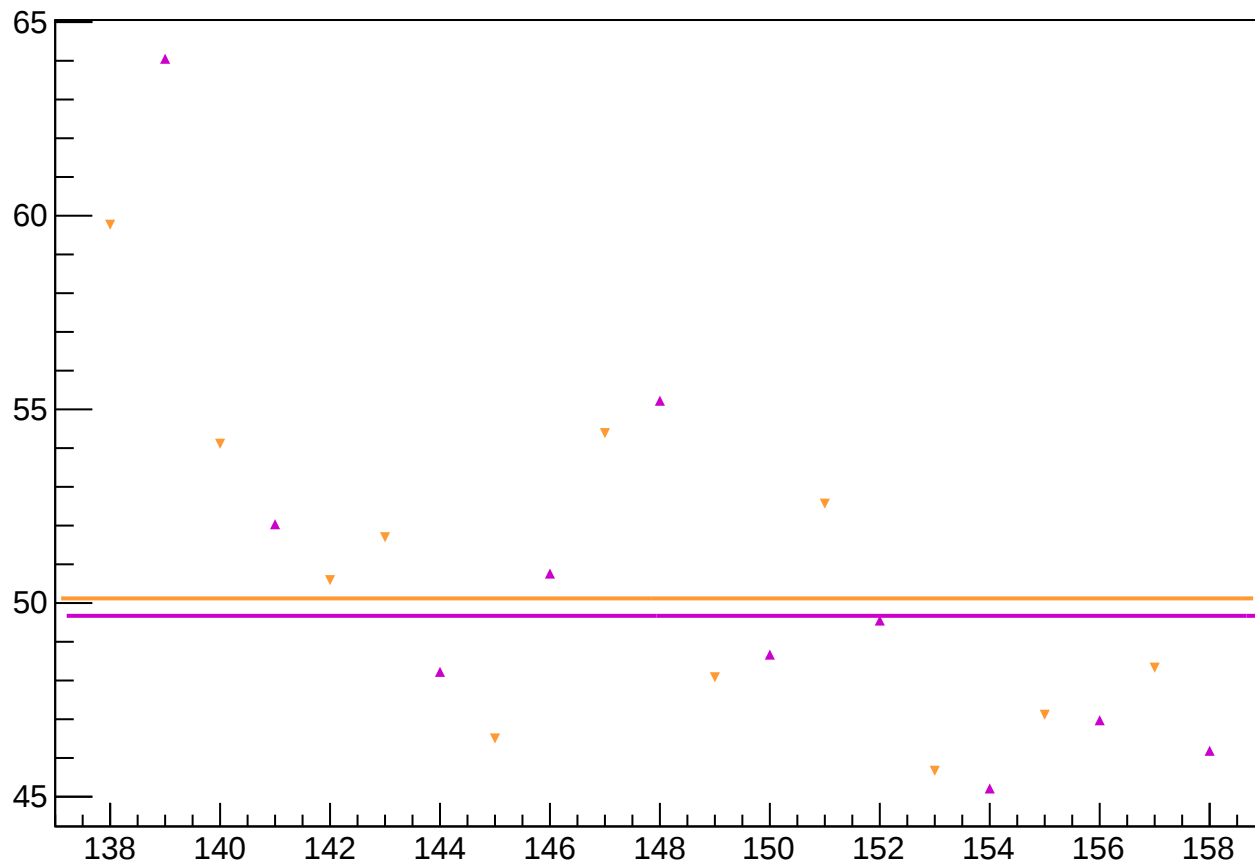
Left In: 46.647+/-17.494 χ^2/NDF : 7.6/9

46.018+/-17.691 χ^2/NDF : 16.7/10

46.336+/-12.439 χ^2/NDF : 24.3/20

46.647+/-17.494 χ^2/NDF : 7.6/9

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

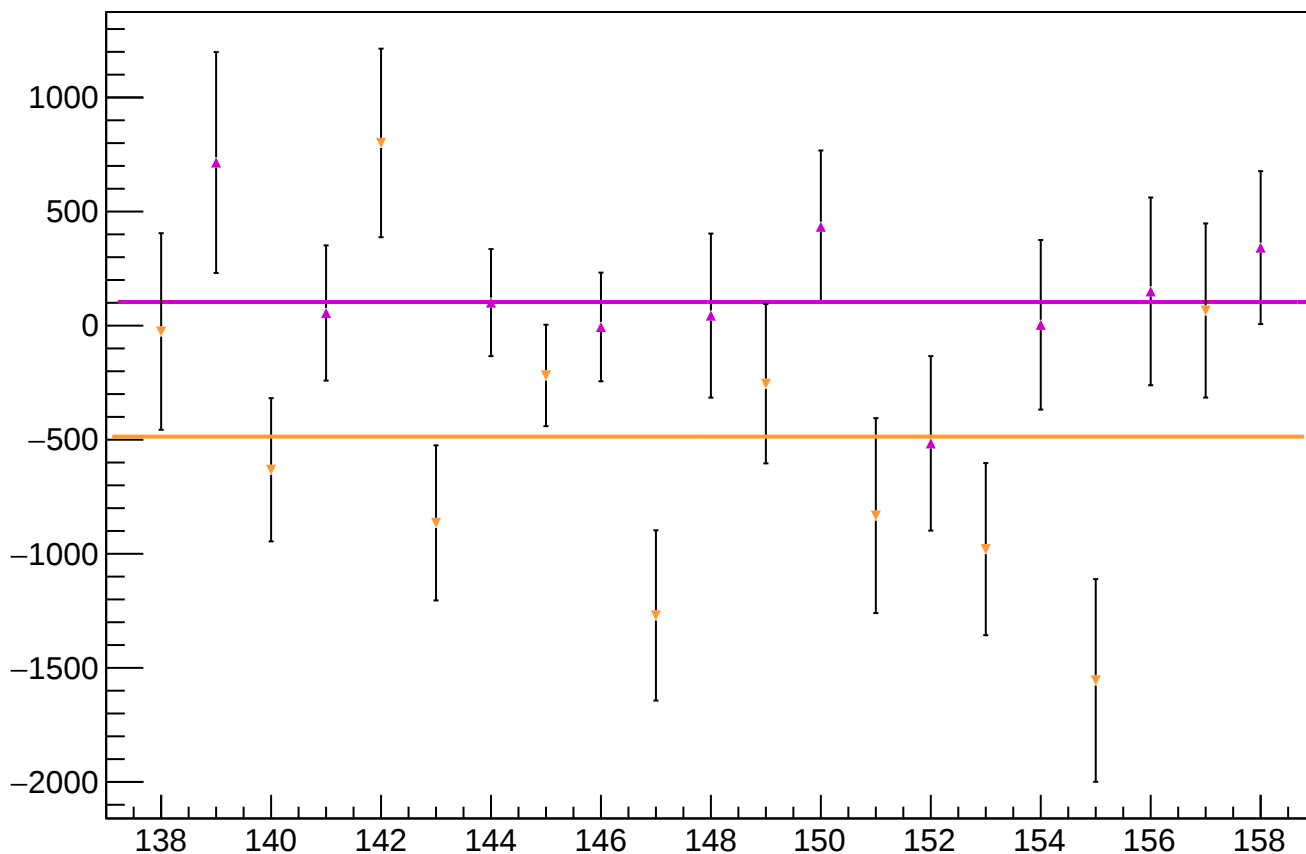
Left In: 49.670+/-0.012 χ^2/NDF : 126464.4/9

50.120+/-0.013 χ^2/NDF : 96003.4/10

49.893+/-0.009 χ^2/NDF : 223122.5/20

49.670+/-0.012 χ^2/NDF : 126464.4/9

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -486.562+/-105.341 χ^2/NDF : 28.9/10

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

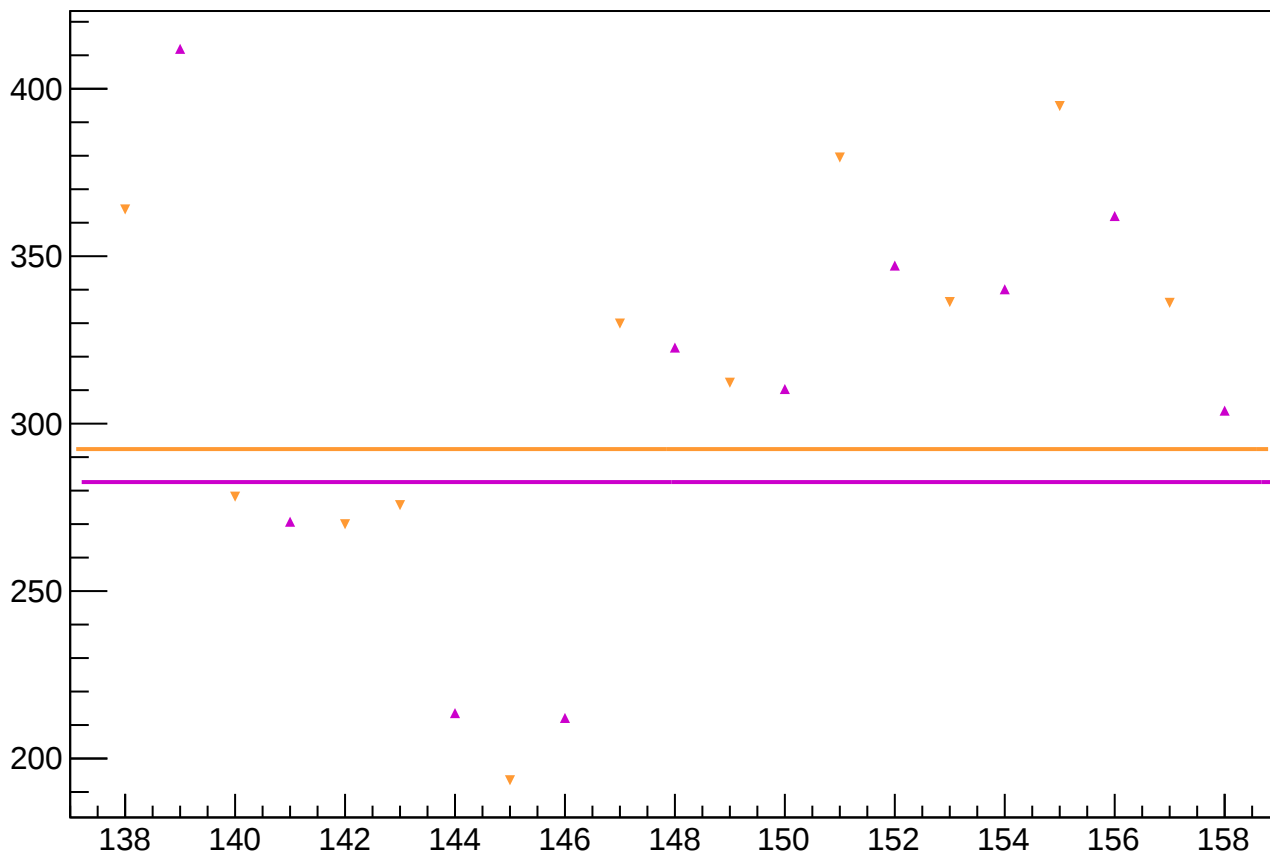
Left In: 103.661+/-101.524 χ^2/NDF : 6.1/9

-486.562+/-105.341 χ^2/NDF : 28.9/10

-180.566+/-73.101 χ^2/NDF : 51.2/20

103.661+/-101.524 χ^2/NDF : 6.1/9

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 292.404+/-0.074 χ^2/NDF : 735239.8/10

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

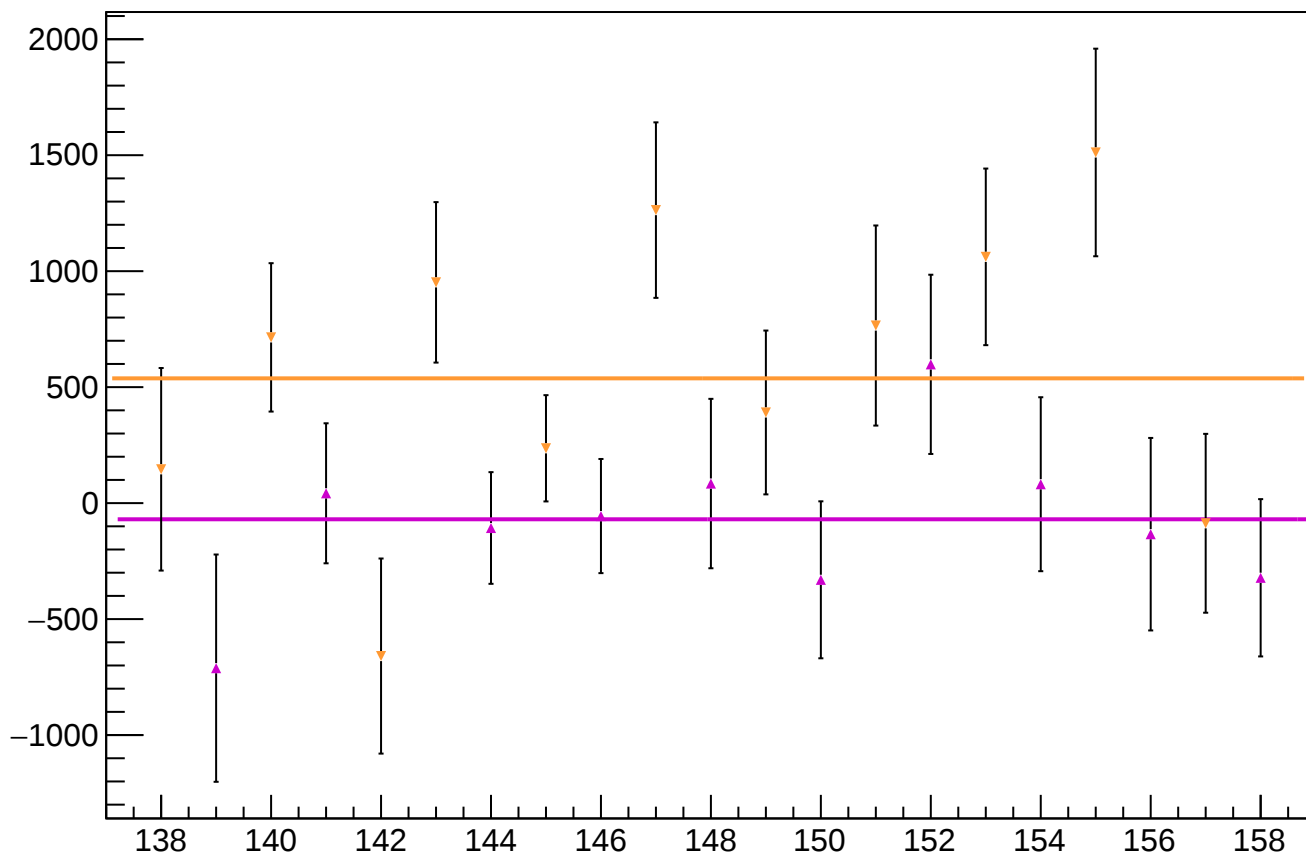
Left In: 282.551+/-0.072 χ^2/NDF : 720525.6/9

292.404+/-0.074 χ^2/NDF : 735239.8/10

287.296+/-0.052 χ^2/NDF : 1464837.3/20

282.551+/-0.072 χ^2/NDF : 720525.6/9

asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

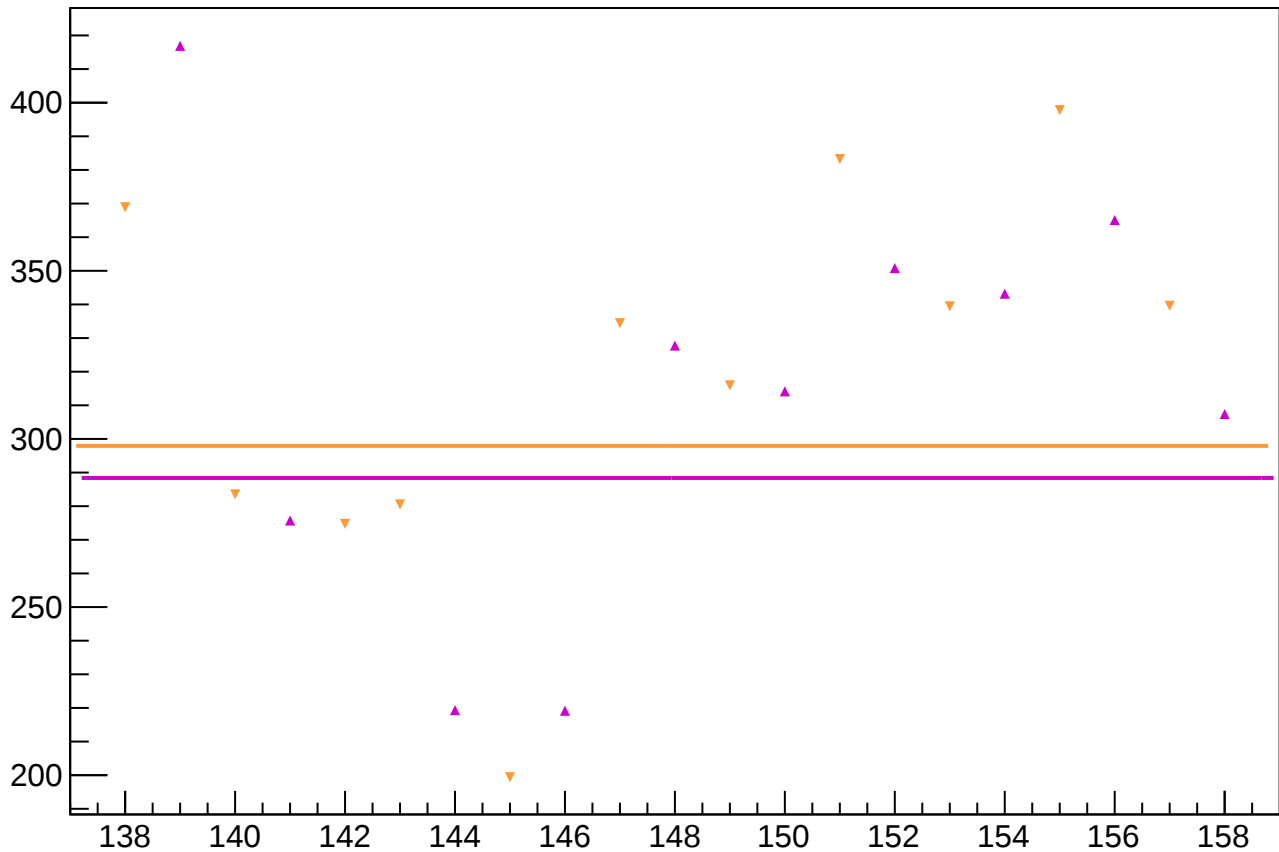
Left In: -69.713+/-103.438 χ^2/NDF : 6.4/9

537.910+/-107.160 χ^2/NDF : 25.8/10

223.361+/-74.423 χ^2/NDF : 48.8/20

-69.713+/-103.438 χ^2/NDF : 6.4/9

asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 297.933+/-0.076 χ^2/NDF : 686889.3/10

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

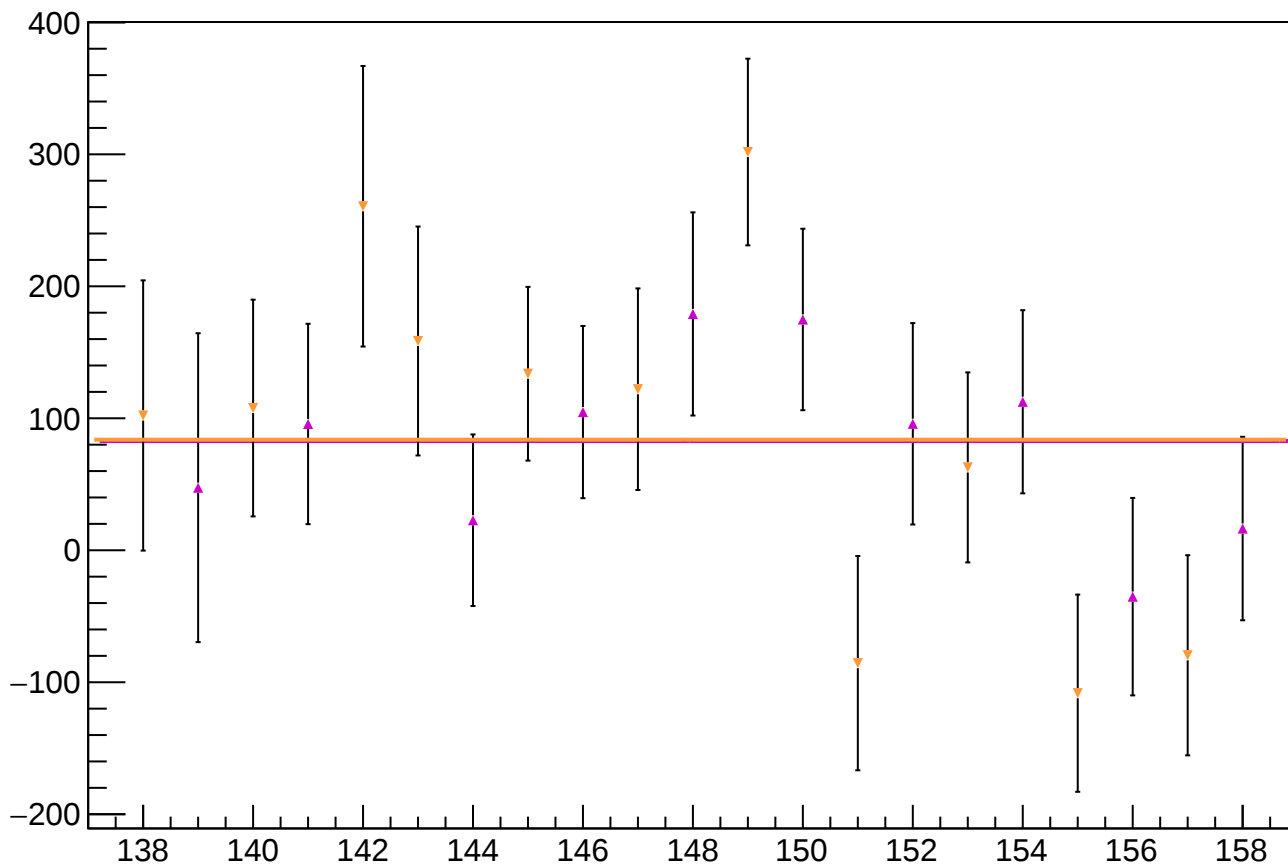
Left In: 288.399+/-0.073 χ^2/NDF : 668373.0/9

297.933+/-0.076 χ^2/NDF : 686889.3/10

292.997+/-0.053 χ^2/NDF : 1363459.1/20

288.399+/-0.073 χ^2/NDF : 668373.0/9

reg_asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

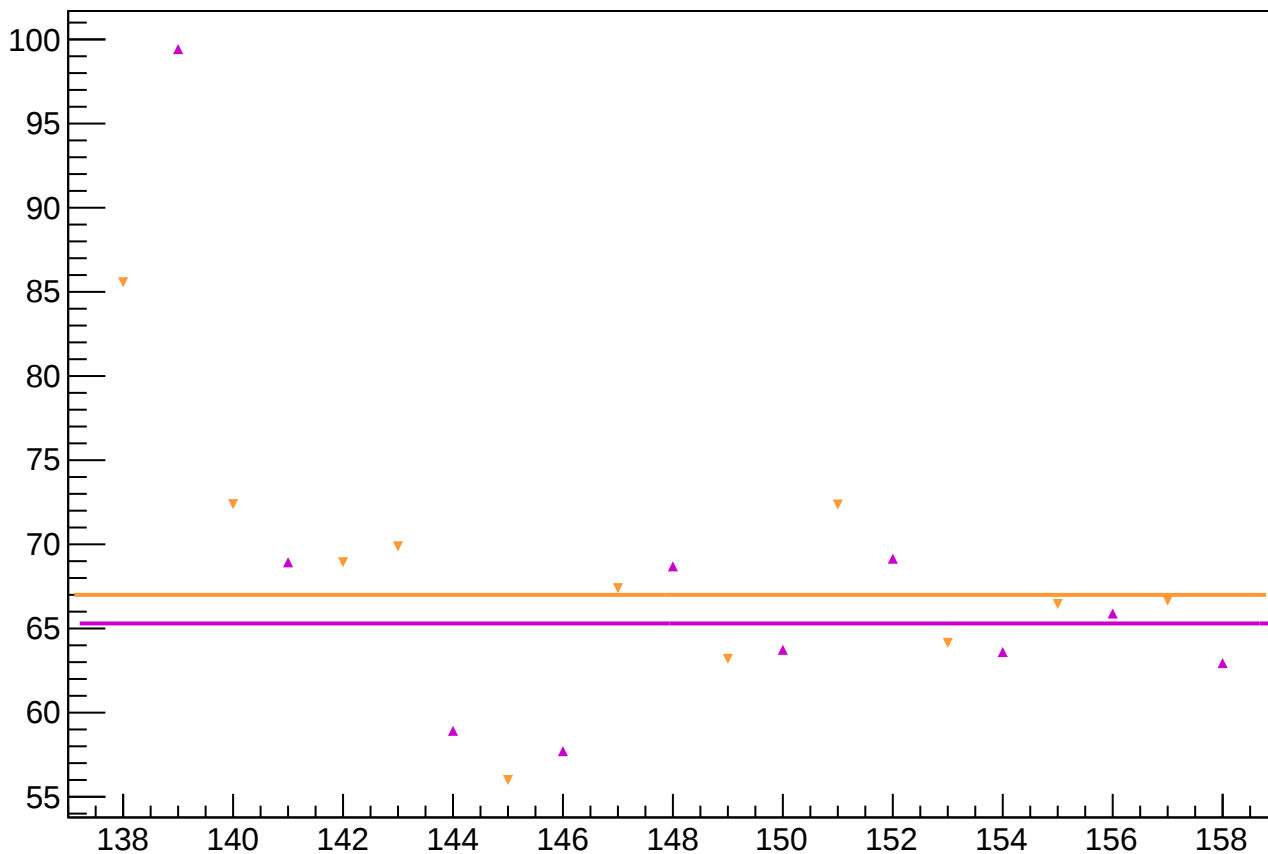
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

83.254+/-16.600 χ^2/NDF : 37.7/20

Left In: 82.756+/-23.164 χ^2/NDF : 8.1/9

82.756+/-23.164 χ^2/NDF : 8.1/9

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 66.998 $\pm$ 0.017 χ^2/NDF :151000.4/10

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

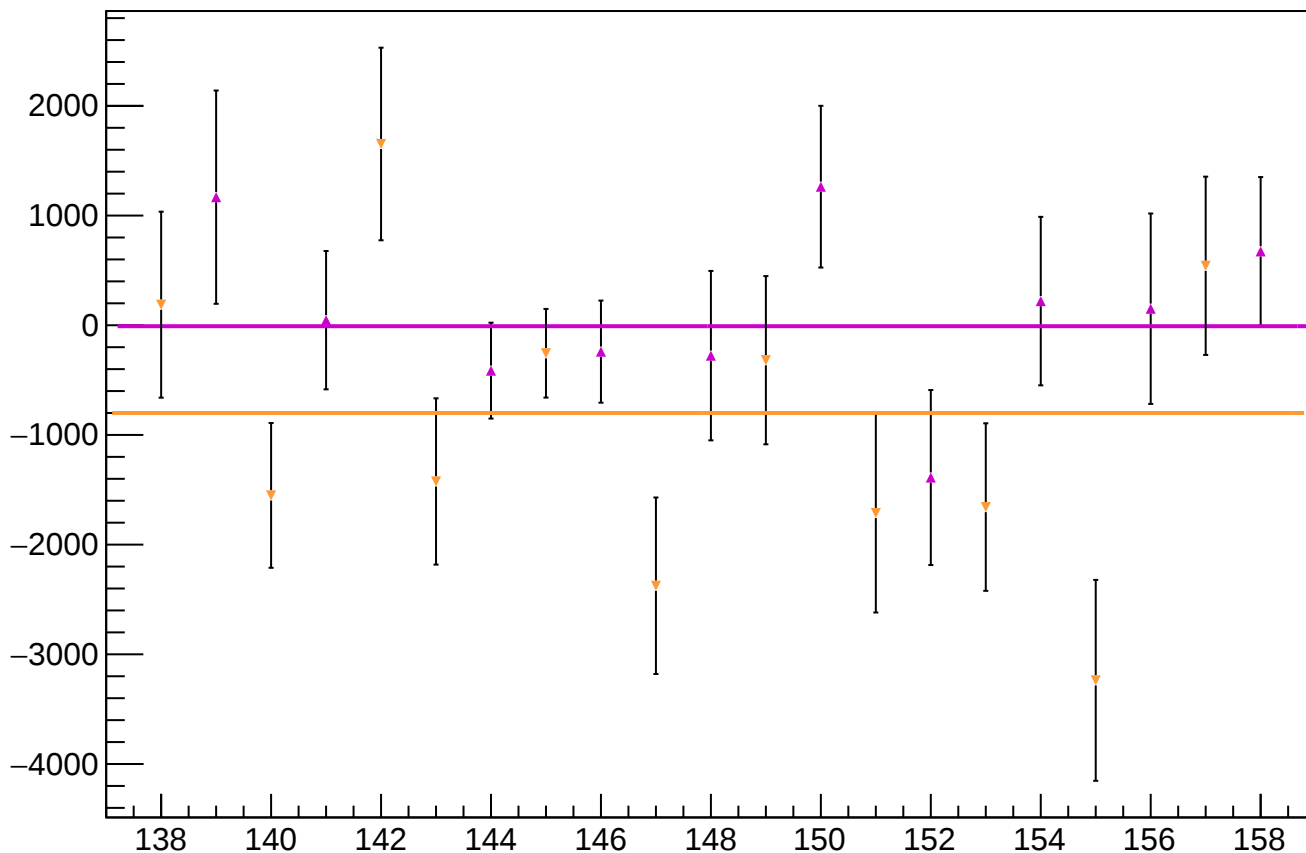
Left In: 65.300 $\pm$ 0.016 χ^2/NDF :234626.3/9

66.998 $\pm$ 0.017 χ^2/NDF : 151000.4/10

66.126 $\pm$ 0.012 χ^2/NDF : 390857.0/20

65.300 $\pm$ 0.016 χ^2/NDF : 234626.3/9

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -799.534+/-214.530 χ^2/NDF : 29.3/10

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

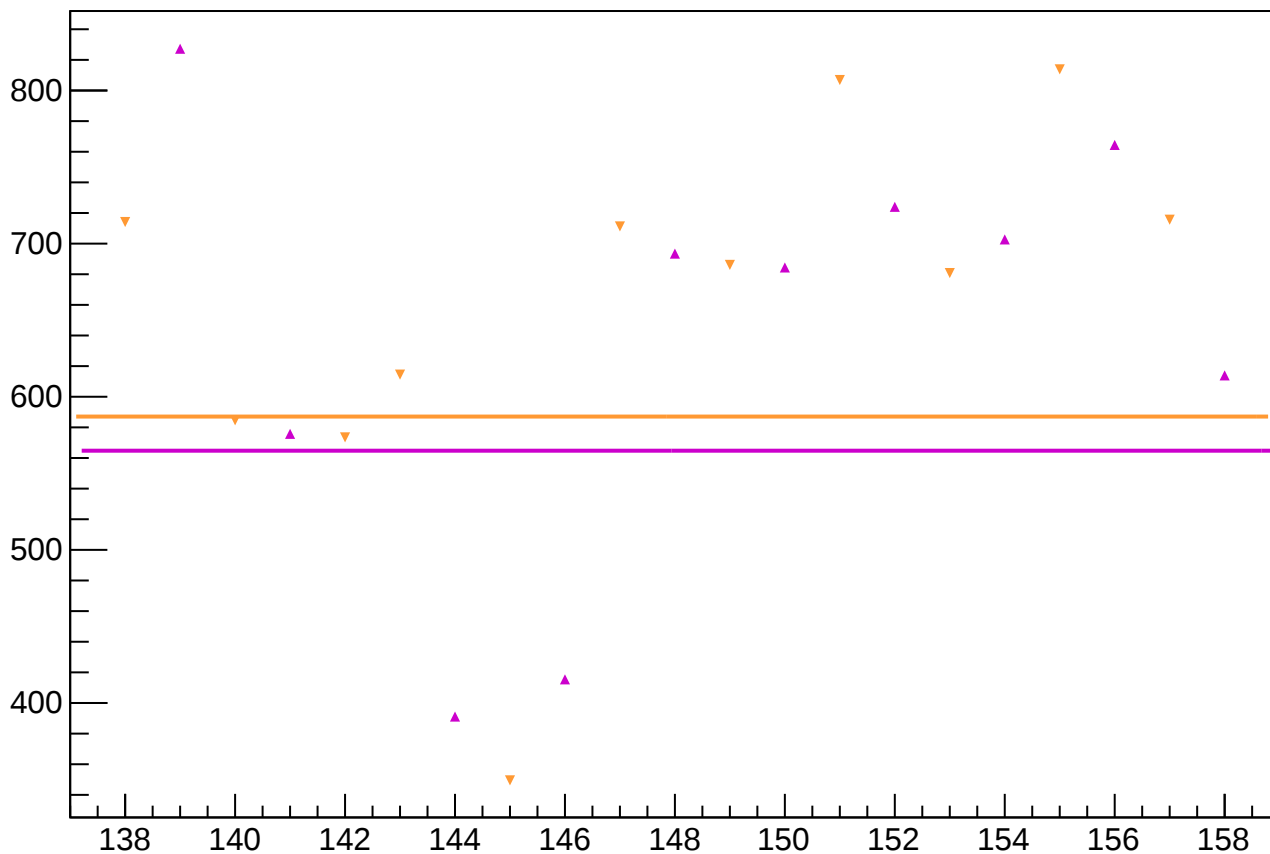
Left In: -8.589+/-205.347 χ^2/NDF : 9.8/9

-799.534+/-214.530 χ^2/NDF : 29.3/10

-386.770+/-148.342 χ^2/NDF : 46.2/20

-8.589+/-205.347 χ^2/NDF : 9.8/9

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 587.059+/-0.152 χ^2/NDF : 1140312.7/10

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

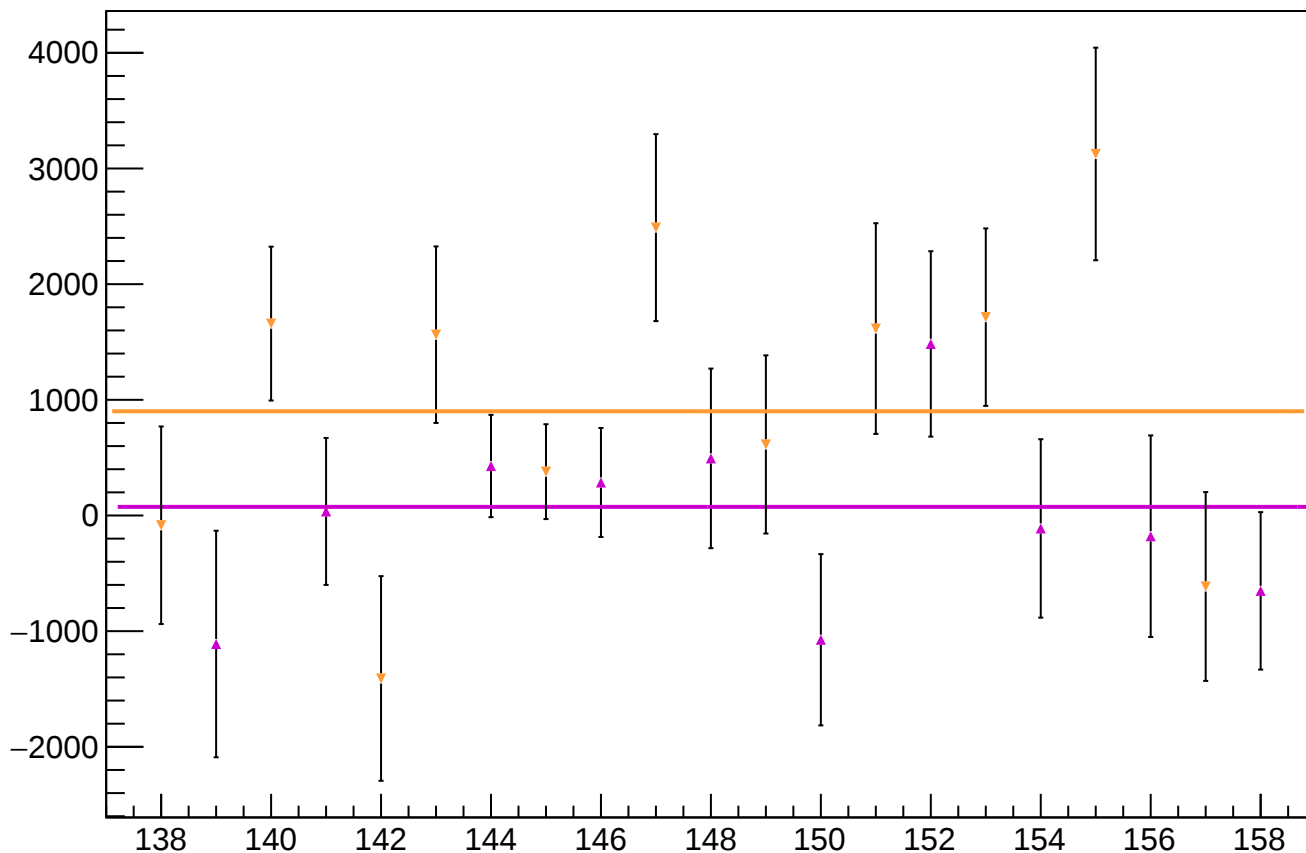
Left In: 564.763+/-0.145 χ^2/NDF : 1036821.2/9

587.059+/-0.152 χ^2/NDF : 1140312.7/10

575.424+/-0.105 χ^2/NDF : 2188406.8/20

564.763+/-0.145 χ^2/NDF : 1036821.2/9

asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

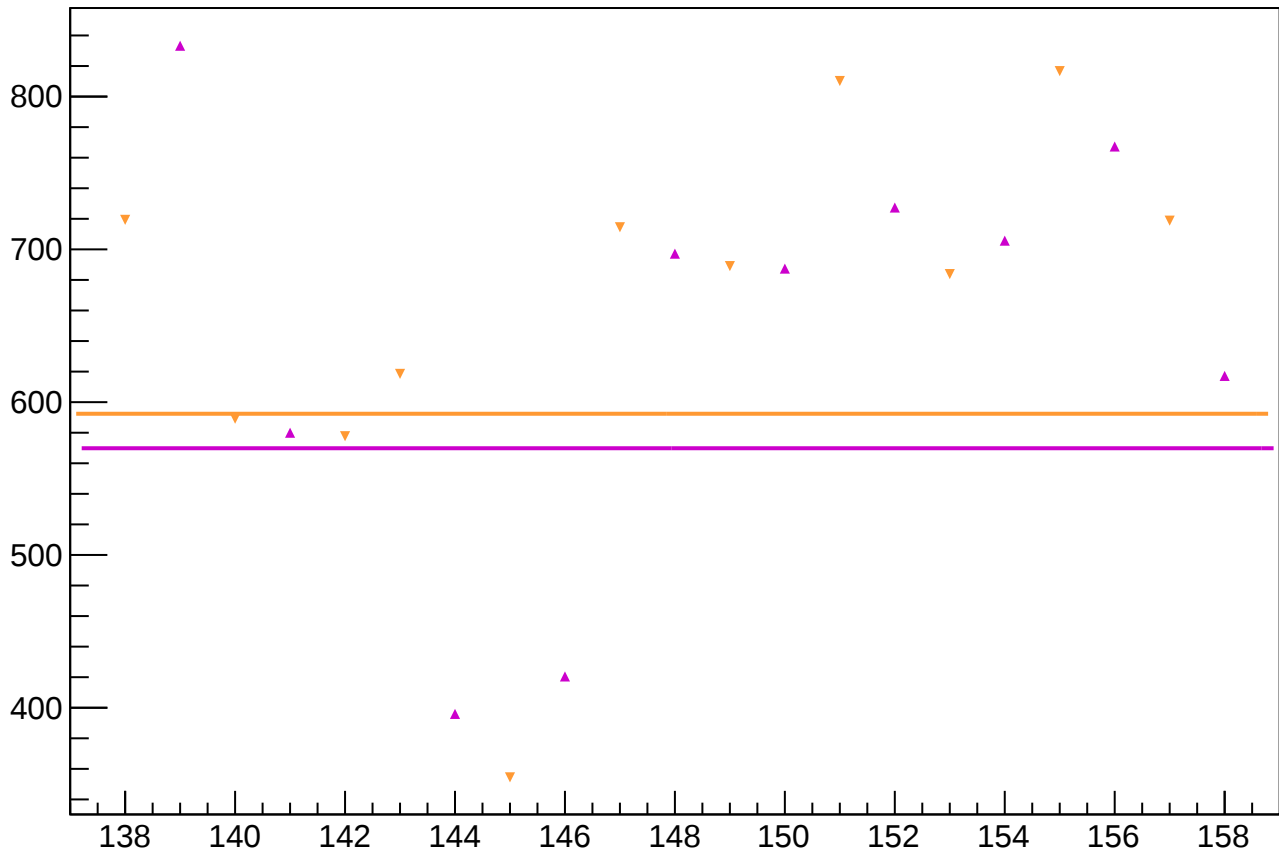
Left In: 74.549+/-207.010 χ^2/NDF : 9.4/9

900.872+/-216.260 χ^2/NDF : 26.9/10

469.662+/-149.541 χ^2/NDF : 43.9/20

74.549+/-207.010 χ^2/NDF : 9.4/9

asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

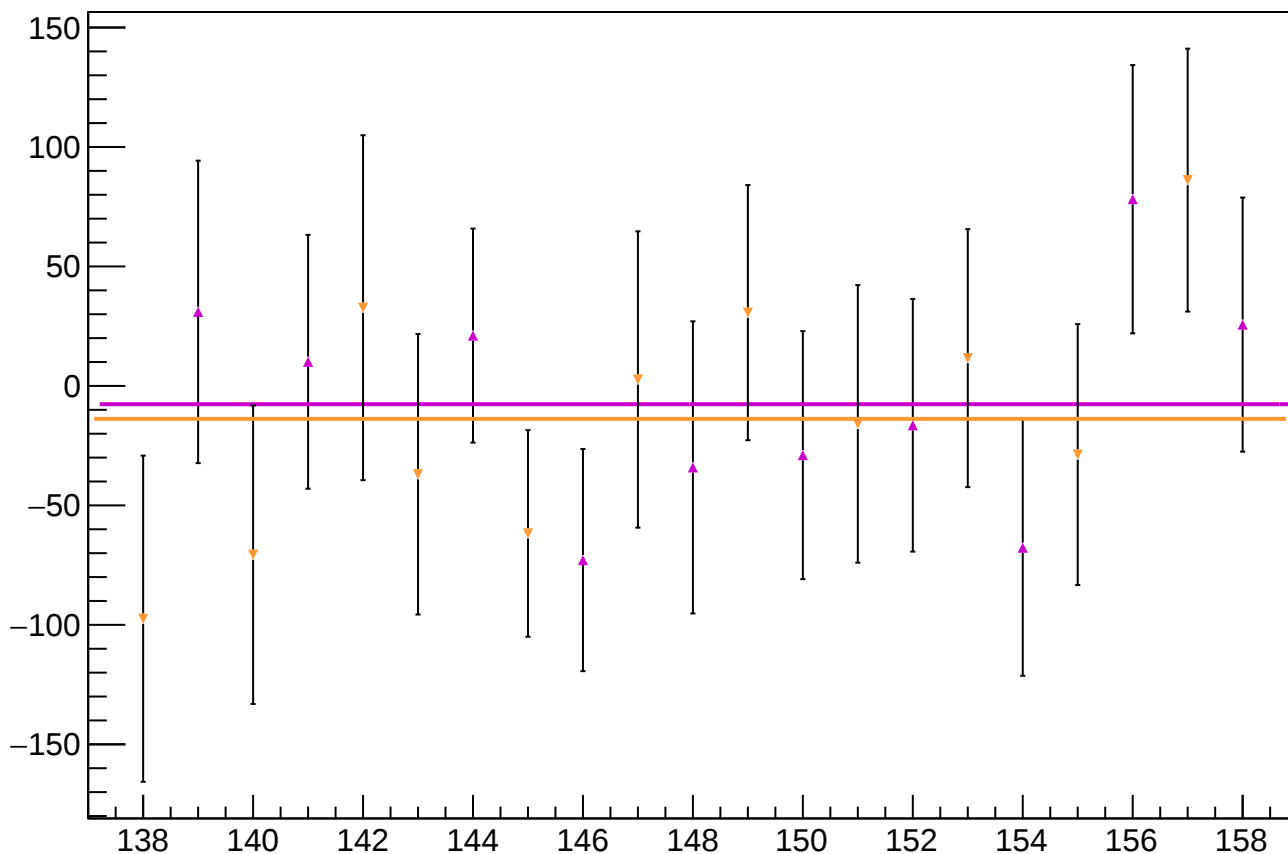
580.634+/-0.106 χ^2/NDF : 2130384.2/20

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, Sign Corrected



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

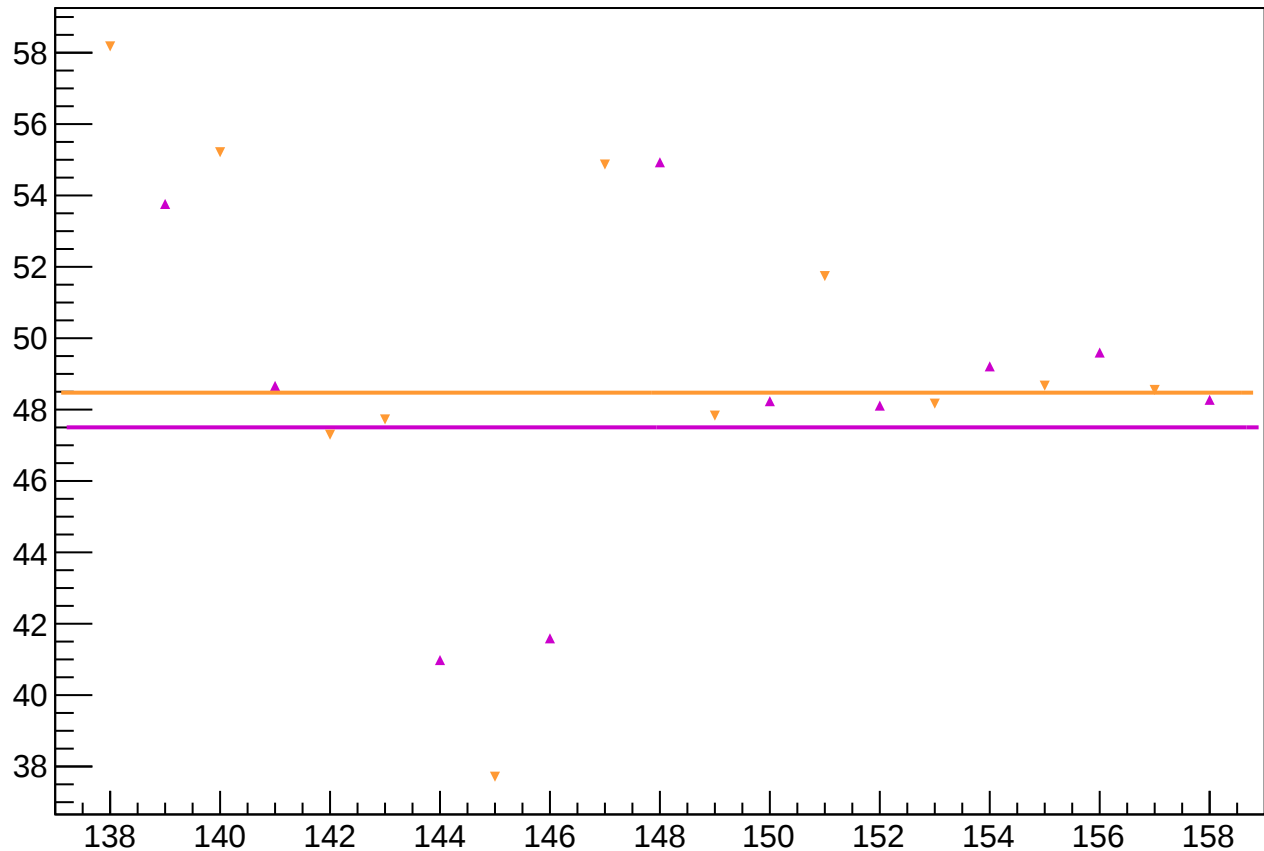
Left In: -7.652+/-16.710 χ^2/NDF : 7.2/9

-13.786+/-17.139 χ^2/NDF : 8.5/10

-10.642+/-11.965 χ^2/NDF : 15.8/20

-7.652+/-16.710 χ^2/NDF : 7.2/9

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 48.475+/-0.012 χ^2/NDF : 216364.4/10

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

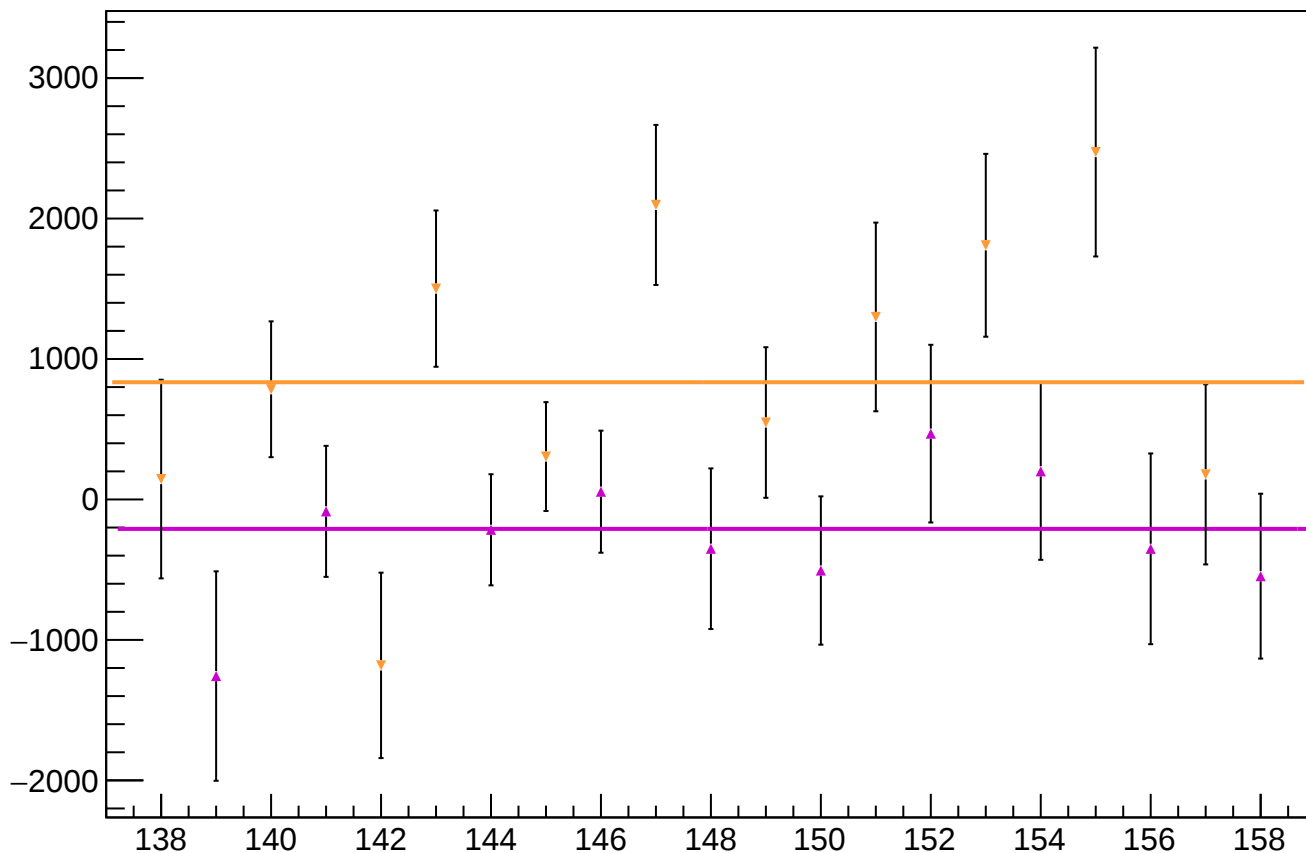
Left In: 47.503+/-0.012 χ^2/NDF : 130691.2/9

48.475+/-0.012 χ^2/NDF : 216364.4/10

47.976+/-0.008 χ^2/NDF : 350353.2/20

47.503+/-0.012 χ^2/NDF : 130691.2/9

asym_sam_15_48_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 834.523+/-171.899 χ^2/NDF : 27.4/10

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

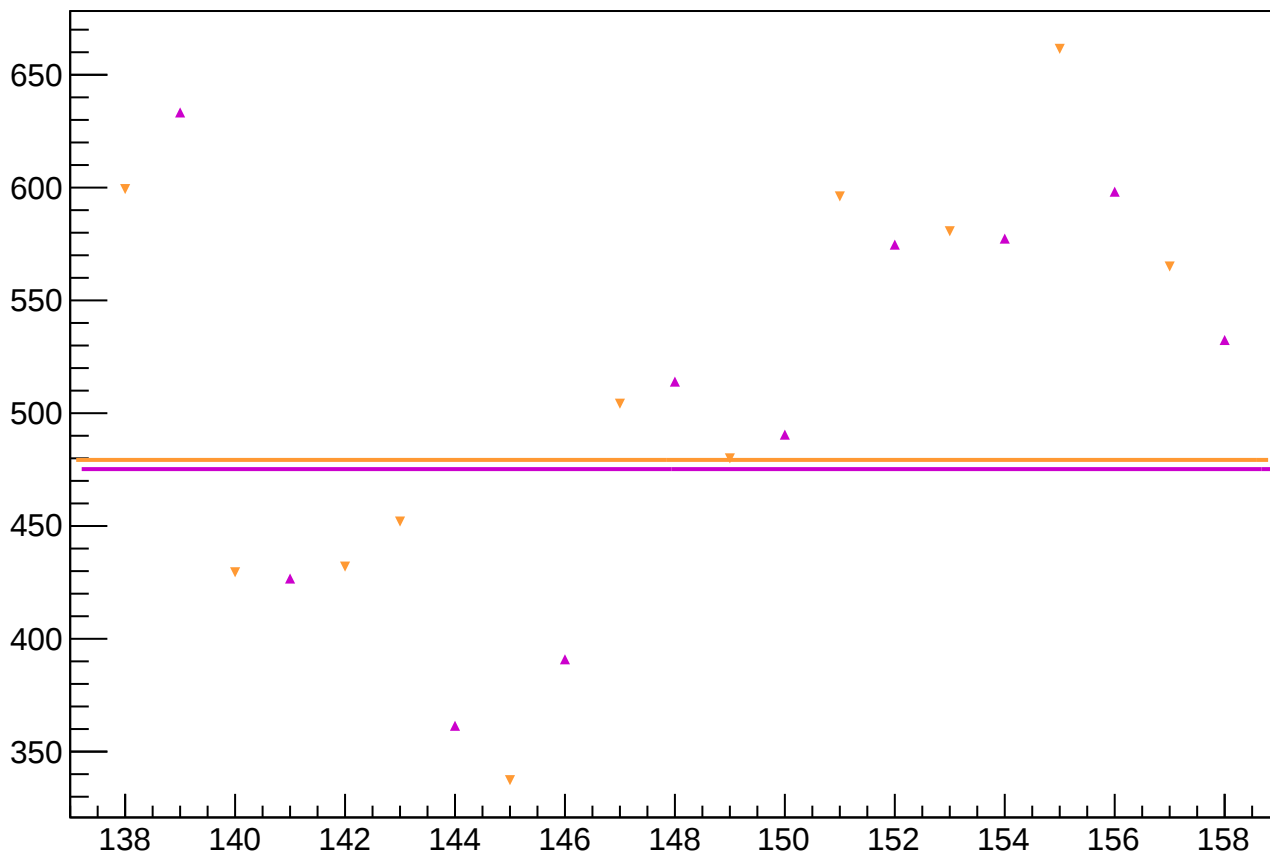
Left In: -209.643+/-169.464 χ^2/NDF : 4.7/9

834.523+/-171.899 χ^2/NDF : 27.4/10

304.993+/-120.681 χ^2/NDF : 50.9/20

-209.643+/-169.464 χ^2/NDF : 4.7/9

asym_sam_15_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 479.297+/-0.122 χ^2/NDF : 631139.3/10

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

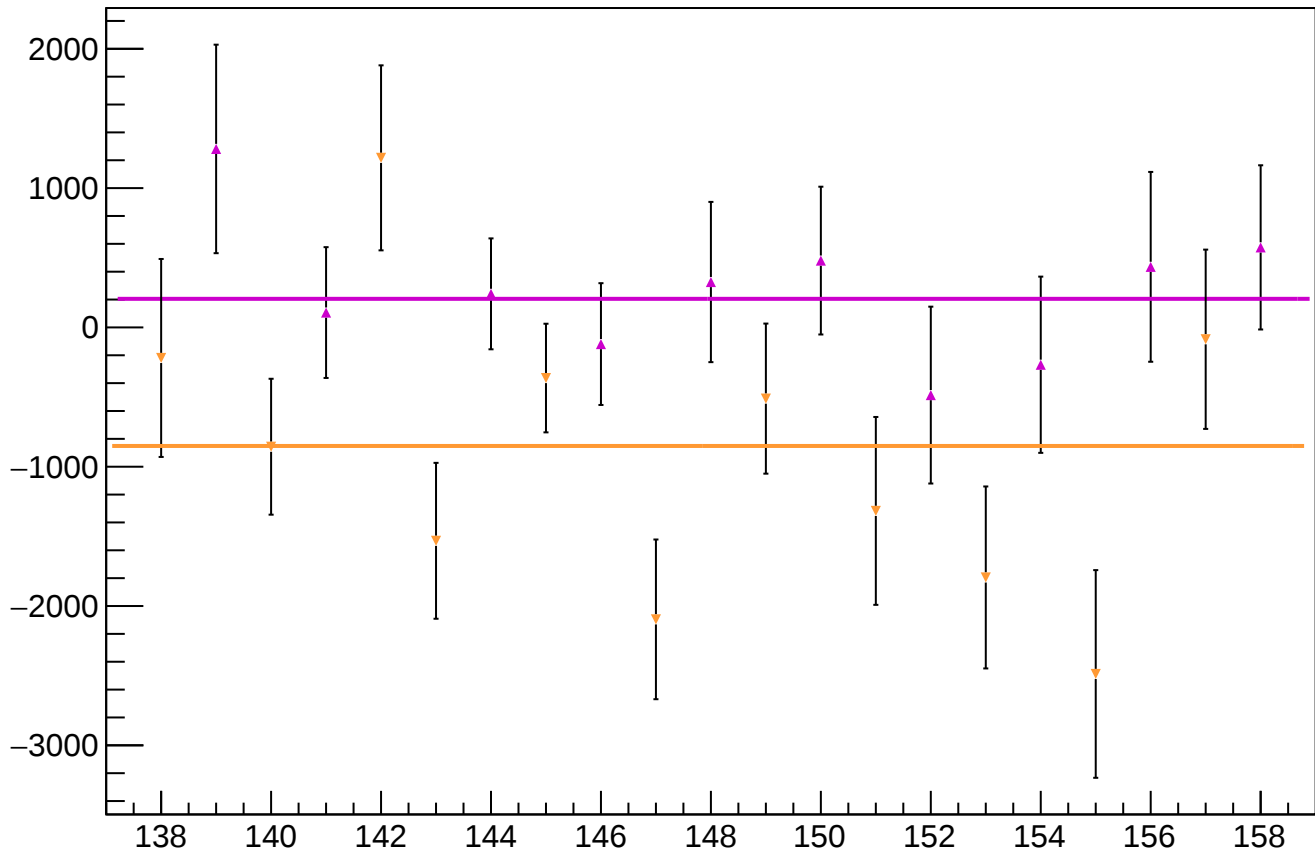
Left In: 475.217+/-0.120 χ^2/NDF : 549879.2/9

479.297+/-0.122 χ^2/NDF : 631139.3/10

477.228+/-0.085 χ^2/NDF : 1181590.1/20

475.217+/-0.120 χ^2/NDF : 549879.2/9

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -851.024+/-172.853 χ^2/NDF : 27.5/10

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

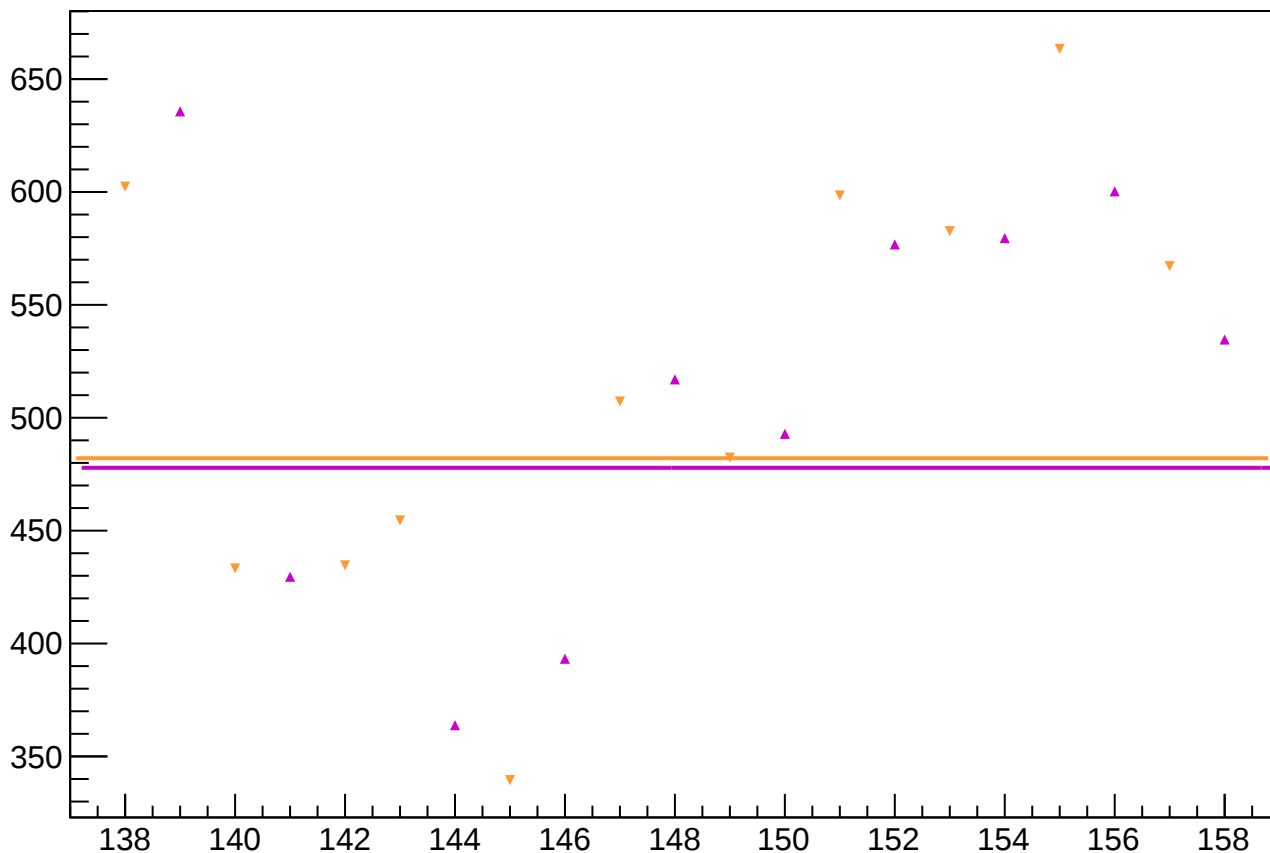
Left In: 205.192+/-170.358 χ^2/NDF : 5.2/9

-851.024+/-172.853 χ^2/NDF : 27.5/10

-315.240+/-121.334 χ^2/NDF : 51.6/20

205.192+/-170.358 χ^2/NDF : 5.2/9

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

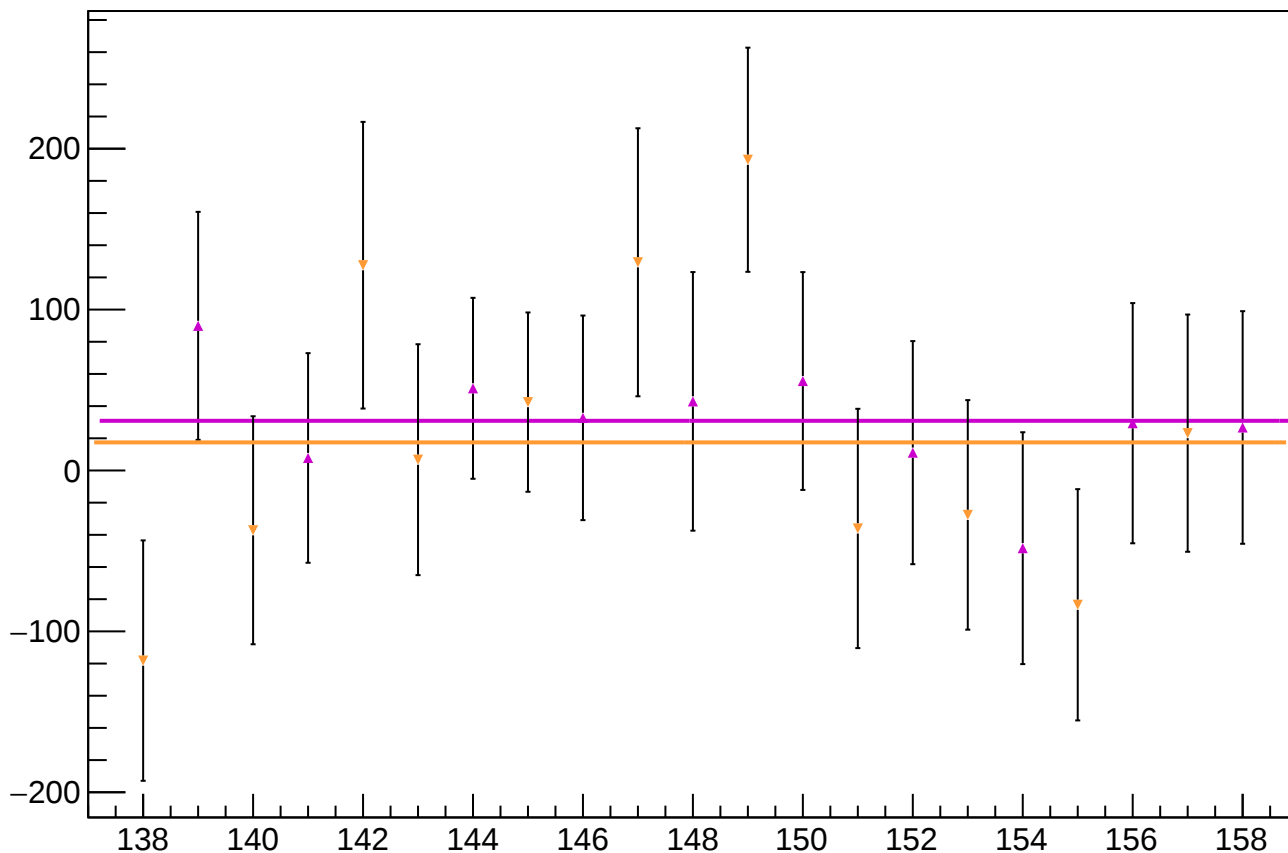
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

479.927+/-0.086 χ^2/NDF : 1168104.0/20

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, Sign Corrected



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

Left Out: 17.457 $\pm$ 21.689 χ^2 /NDF:16.7/10

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

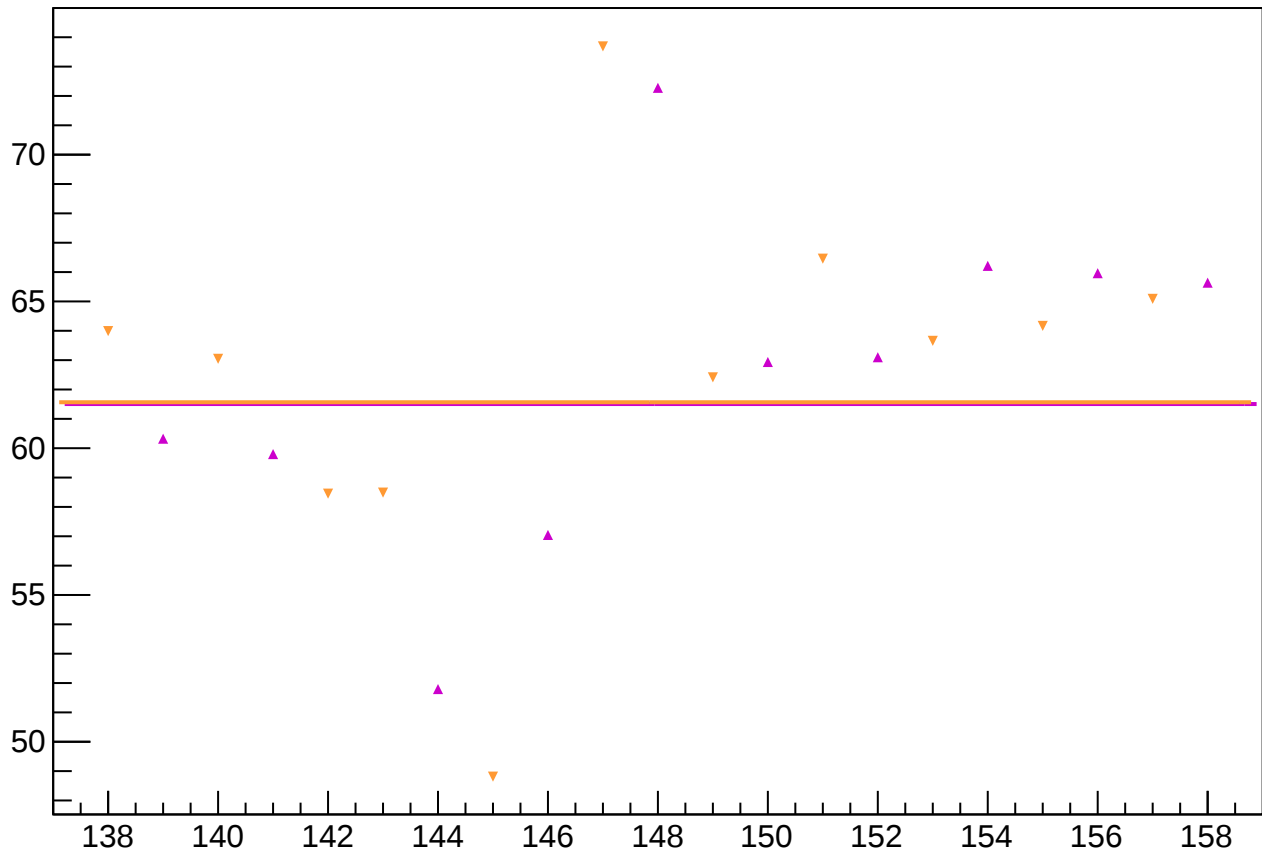
Left In: 30.872 $\pm$ 21.601 χ^2 /NDF:2.4/9

17.457 $\pm$ 21.689 χ^2 /NDF: 16.7/10

24.192 $\pm$ 15.305 χ^2 /NDF: 19.3/20

30.872 $\pm$ 21.601 χ^2 /NDF: 2.4/9

reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 61.566+/-0.015 χ^2/NDF : 174078.6/10

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

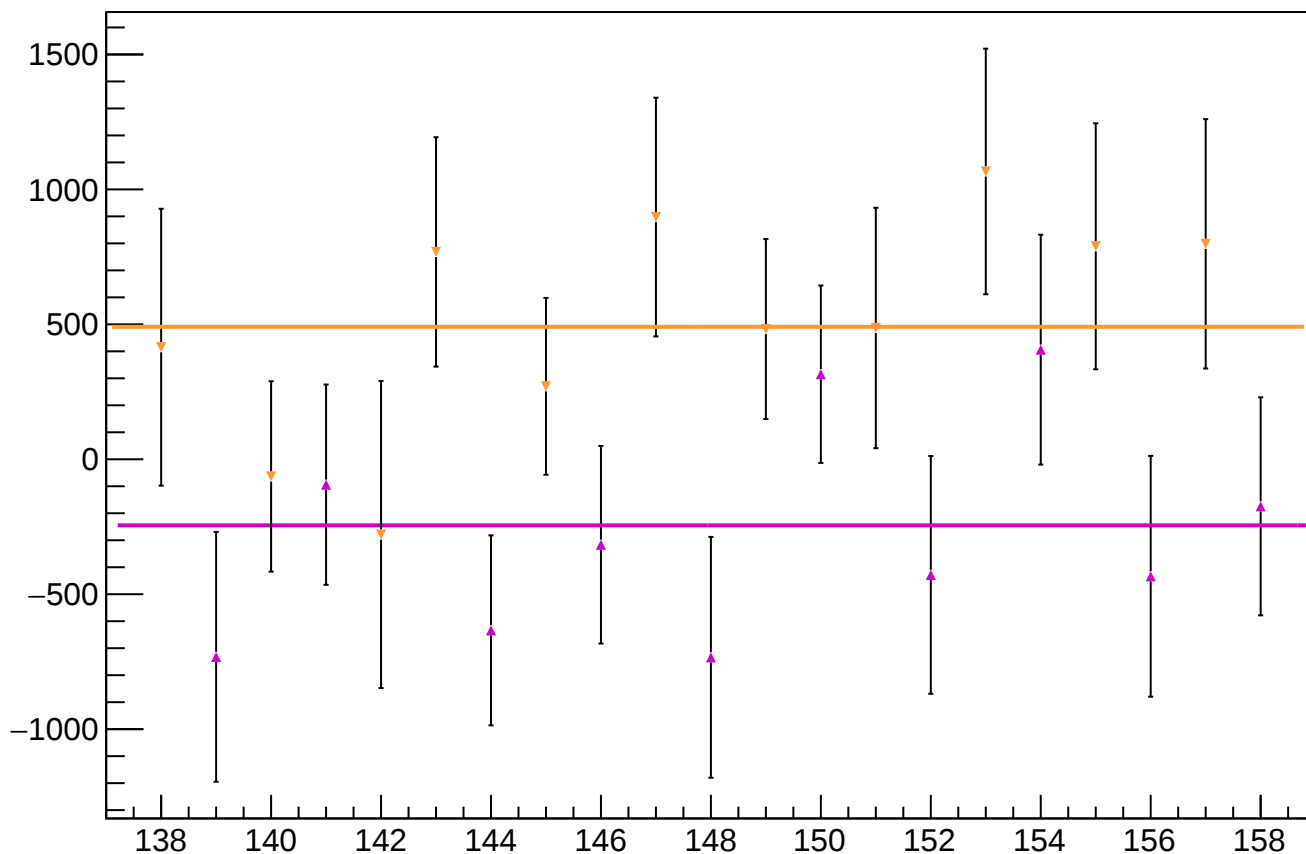
Left In: 61.505+/-0.015 χ^2/NDF : 131499.7/9

61.566+/-0.015 χ^2/NDF : 174078.6/10

61.535+/-0.011 χ^2/NDF : 305586.3/20

61.505+/-0.015 χ^2/NDF : 131499.7/9

asym_sam_37_48_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 490.770+/-125.727 χ^2/NDF : 8.5/10

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

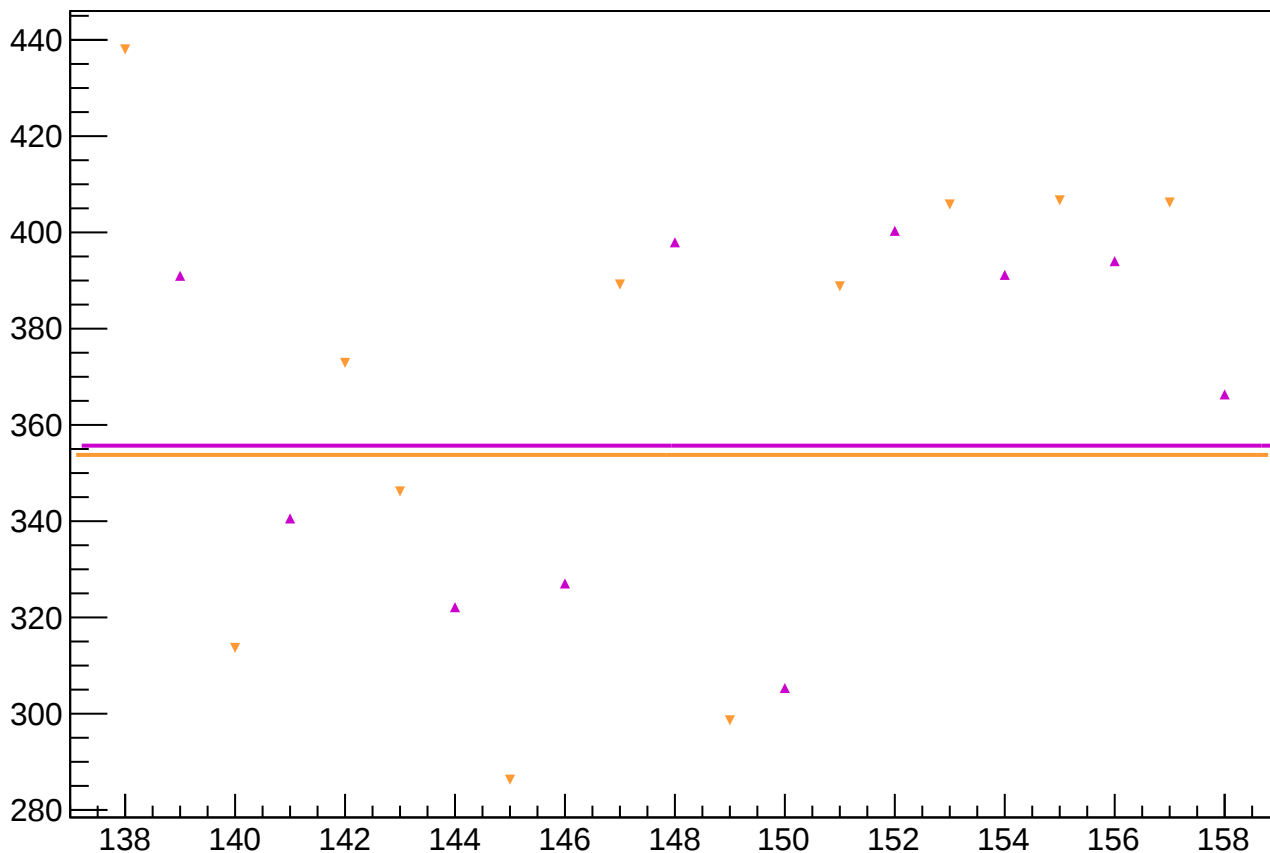
Left In: -244.899+/-125.436 χ^2/NDF : 9.4/9

490.770+/-125.727 χ^2/NDF : 8.5/10

122.085+/-88.799 χ^2/NDF : 35.0/20

-244.899+/-125.436 χ^2/NDF : 9.4/9

asym_sam_37_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 353.763+/-0.089 χ^2/NDF : 326315.0/10

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

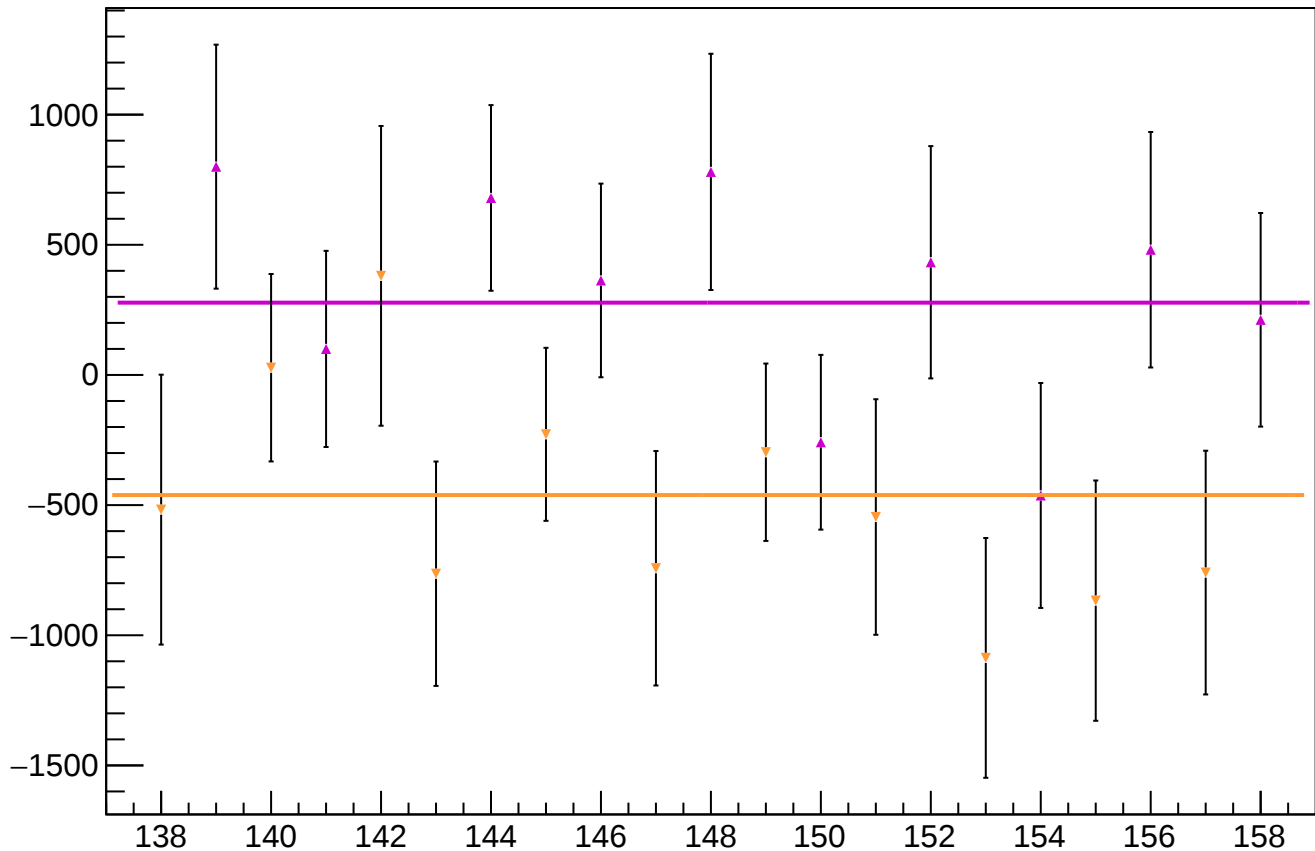
Left In: 355.694+/-0.089 χ^2/NDF : 160803.5/9

353.763+/-0.089 χ^2/NDF : 326315.0/10

354.731+/-0.063 χ^2/NDF : 487355.1/20

355.694+/-0.089 χ^2/NDF : 160803.5/9

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

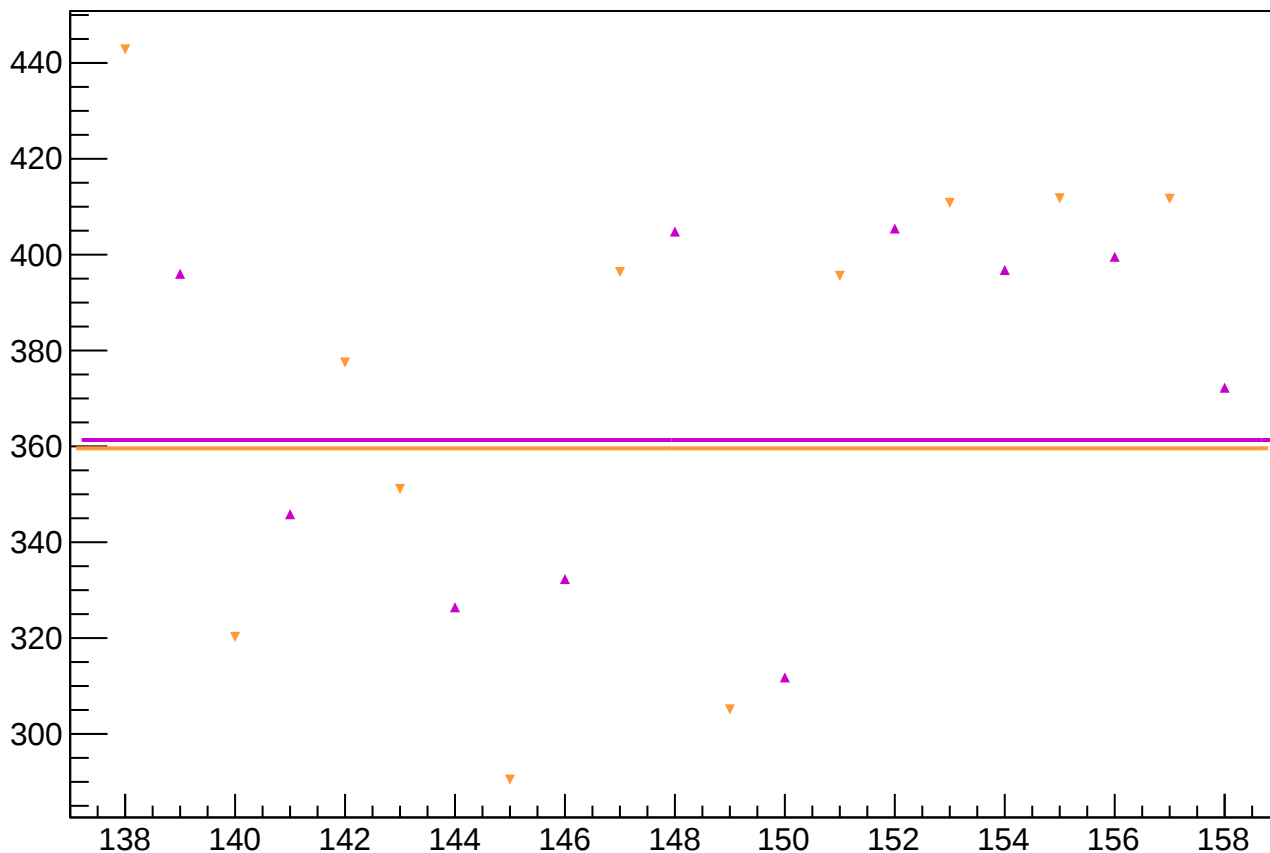
Left In: 277.777+/-127.382 χ^2/NDF : 9.9/9

-461.424+/-127.731 χ^2/NDF : 8.7/10

-90.813+/-90.196 χ^2/NDF : 35.3/20

277.777+/-127.382 χ^2/NDF : 9.9/9

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 359.596+/-0.090 χ^2/NDF : 316821.2/10

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

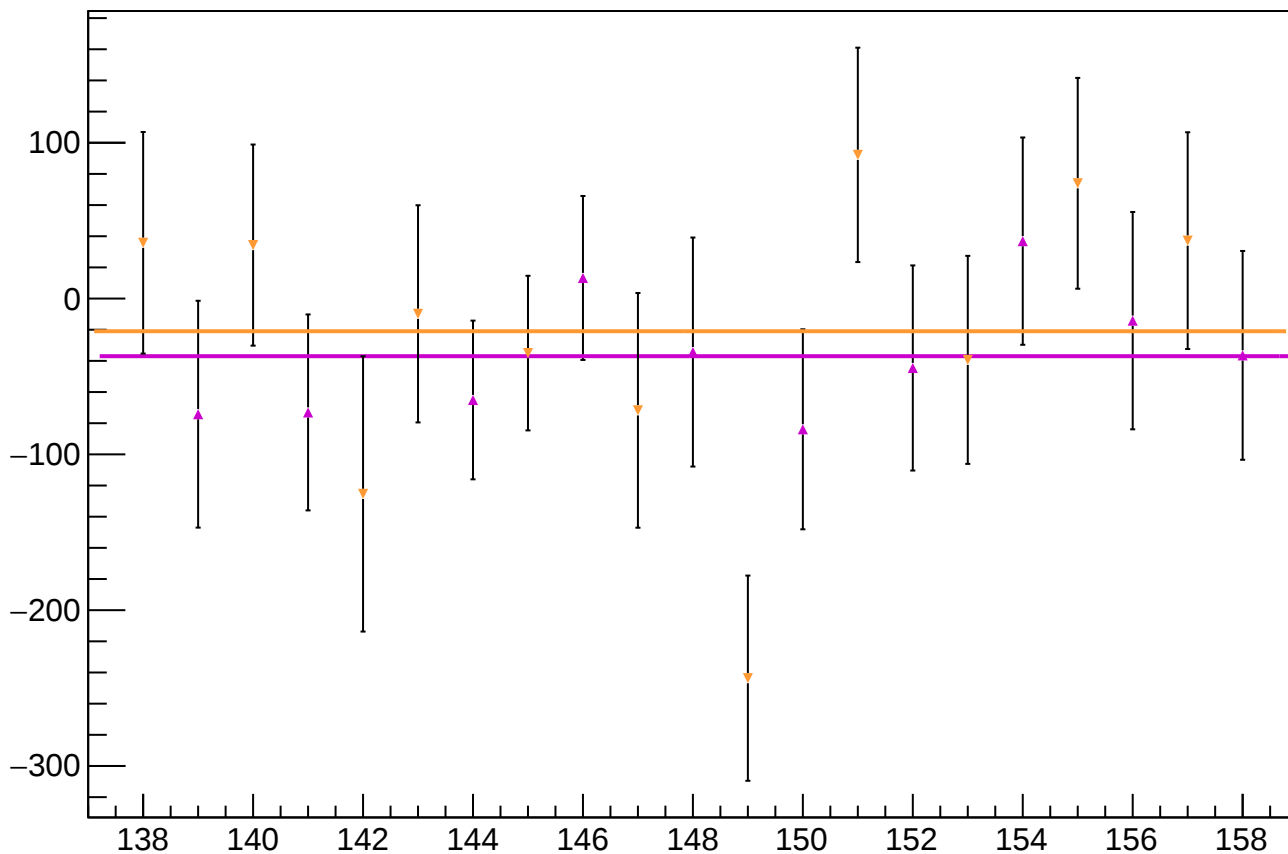
Left In: 361.327+/-0.090 χ^2/NDF : 156326.0/9

359.596+/-0.090 χ^2/NDF : 316821.2/10

360.463+/-0.064 χ^2/NDF : 473331.4/20

361.327+/-0.090 χ^2/NDF : 156326.0/9

reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -20.972+/-20.221 χ^2/NDF : 20.2/10

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

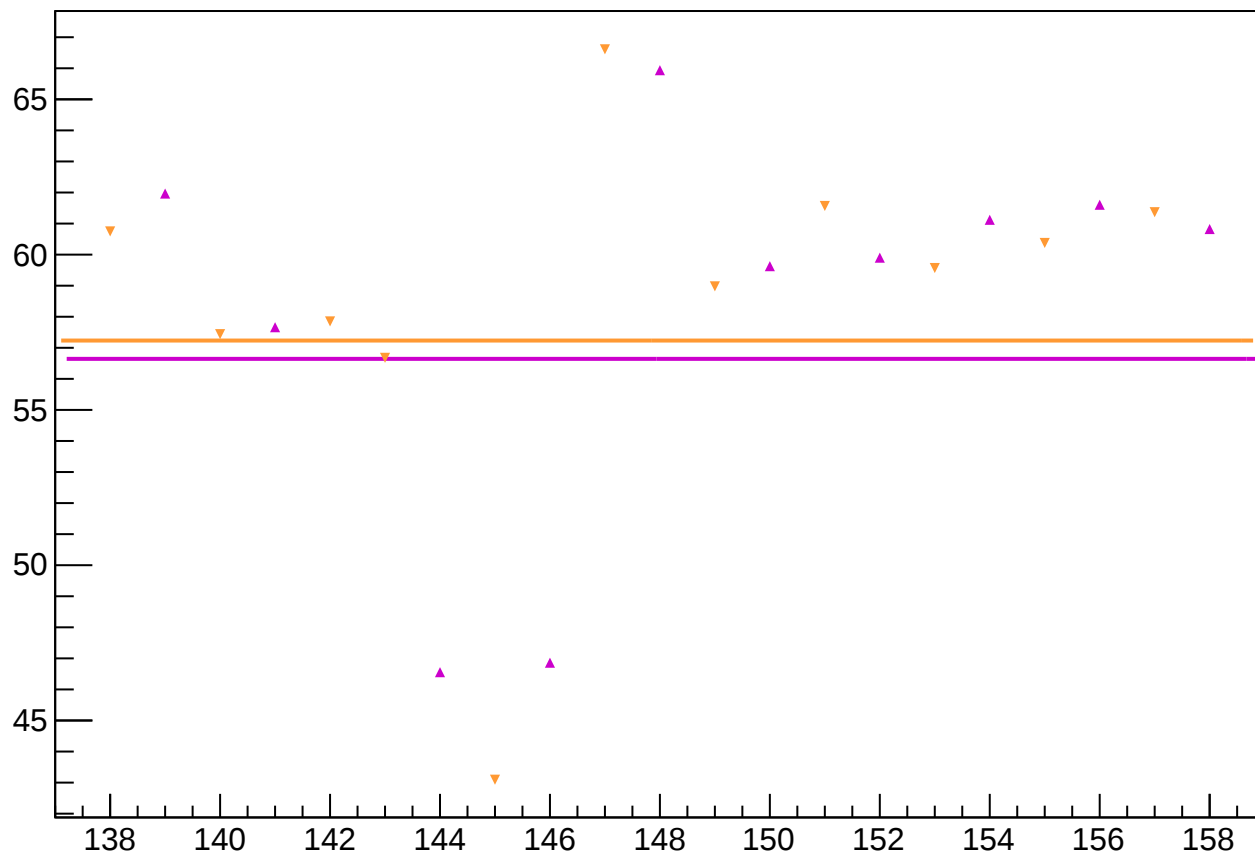
Left In: -36.989+/-19.995 χ^2/NDF : 3.7/9

-20.972+/-20.221 χ^2/NDF : 20.2/10

-29.070+/-14.218 χ^2/NDF : 24.2/20

-36.989+/-19.995 χ^2/NDF : 3.7/9

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 57.234+/-0.014 χ^2/NDF : 221706.9/10

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

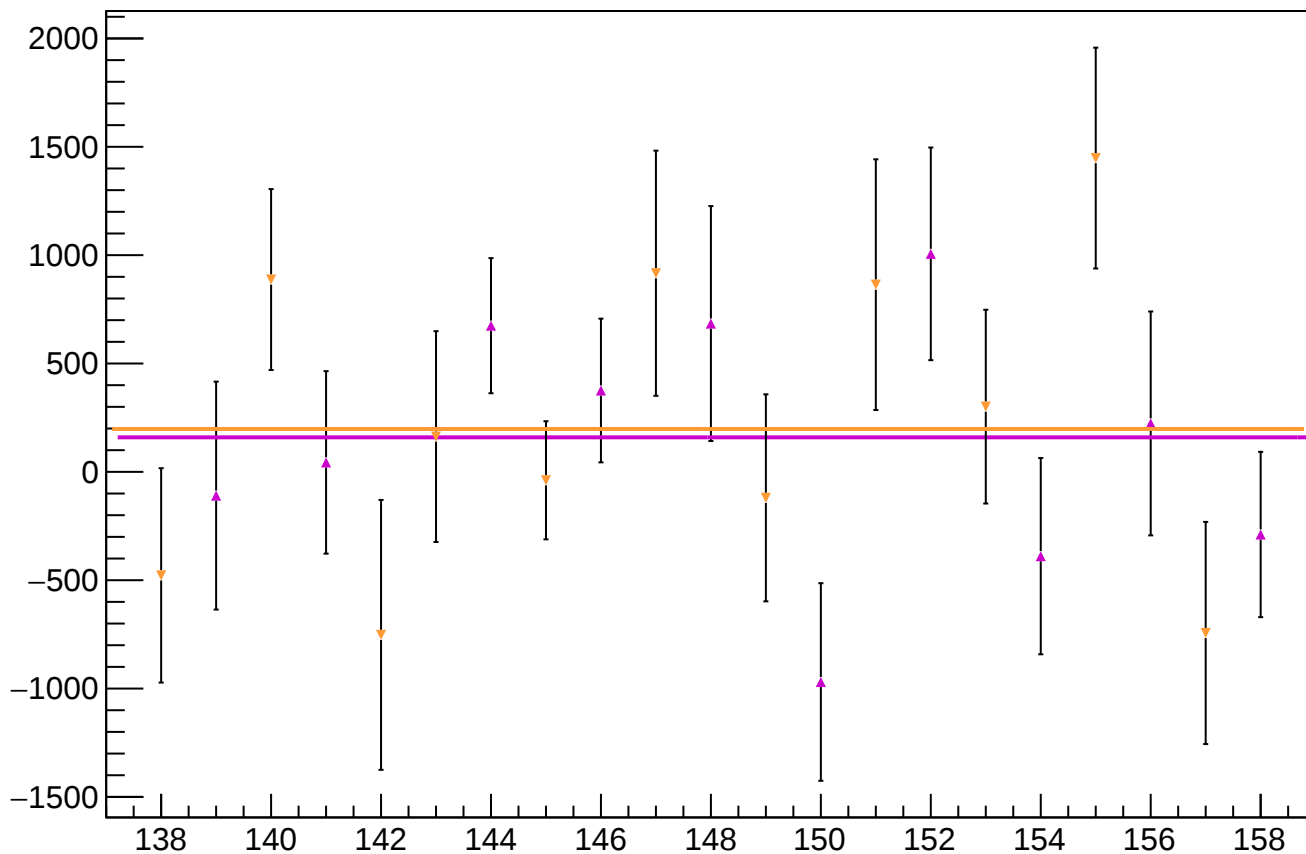
Left In: 56.644+/-0.014 χ^2/NDF : 227003.7/9

57.234+/-0.014 χ^2/NDF : 221706.9/10

56.935+/-0.010 χ^2/NDF : 449571.0/20

56.644+/-0.014 χ^2/NDF : 227003.7/9

asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 197.936+/-137.036 χ^2/NDF : 20.5/10

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

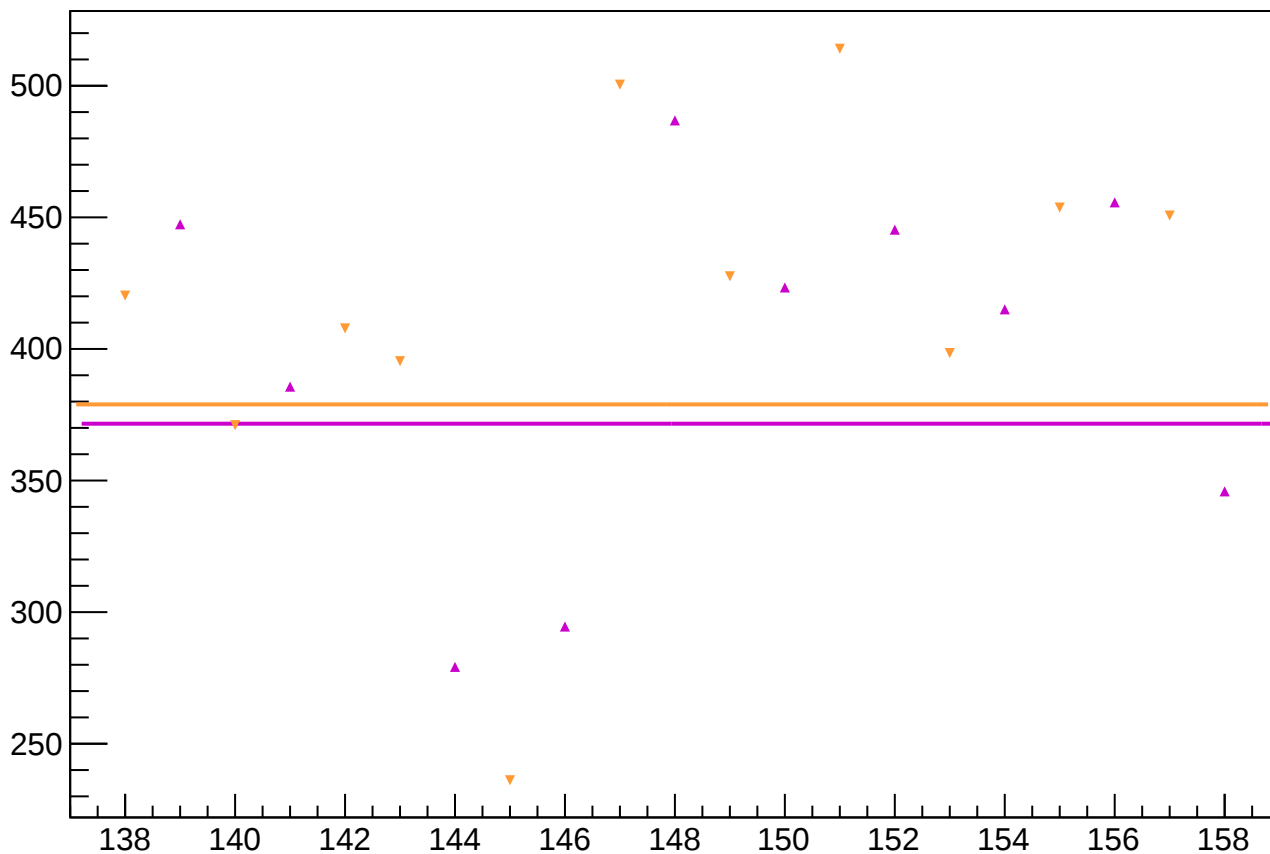
Left In: 159.297+/-133.033 χ^2/NDF : 16.4/9

197.936+/-137.036 χ^2/NDF : 20.5/10

178.044+/-95.452 χ^2/NDF : 37.0/20

159.297+/-133.033 χ^2/NDF : 16.4/9

asym_sam_15_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 378.929+/-0.097 χ^2/NDF : 878854.4/10

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

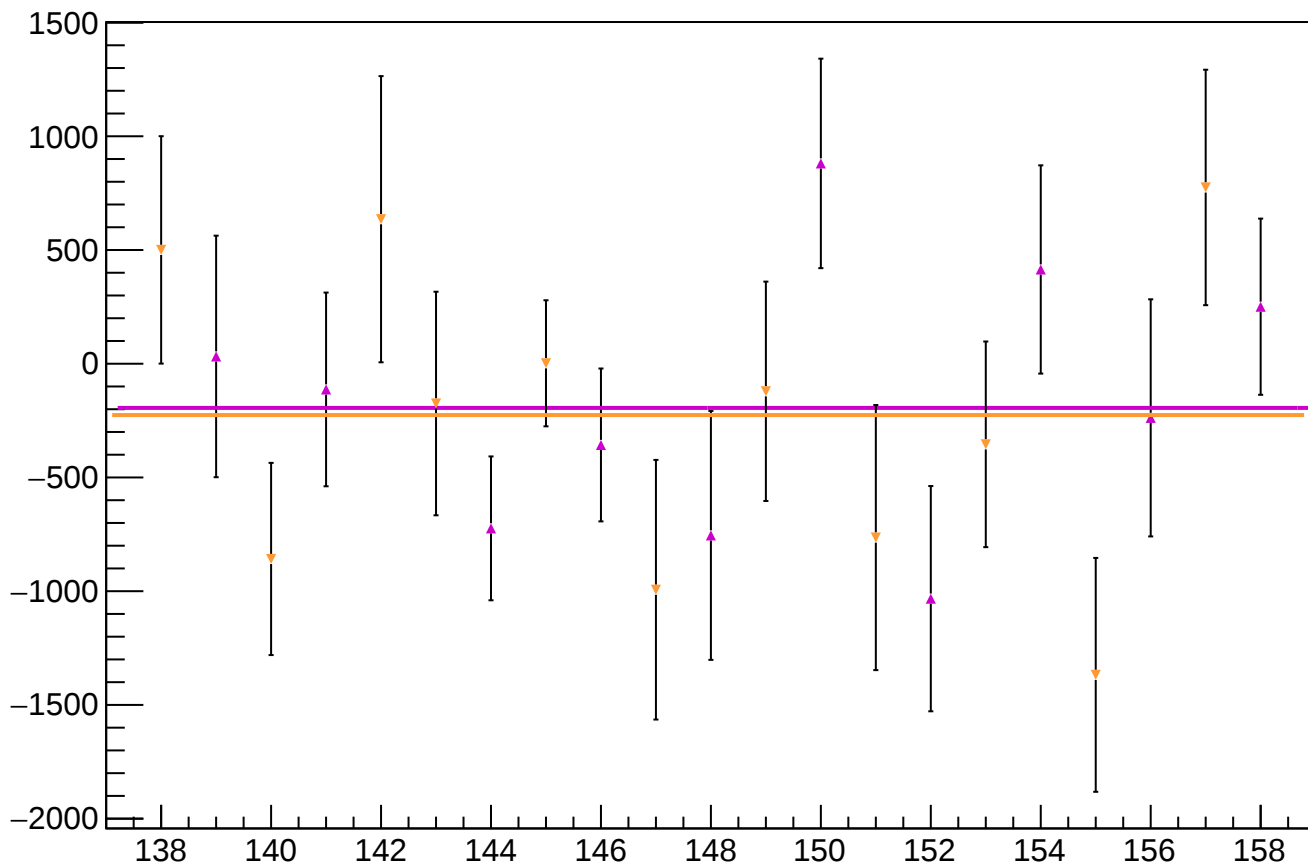
Left In: 371.598+/-0.094 χ^2/NDF : 569307.8/9

378.929+/-0.097 χ^2/NDF : 878854.4/10

375.155+/-0.067 χ^2/NDF : 1451109.2/20

371.598+/-0.094 χ^2/NDF : 569307.8/9

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -225.662+/-138.646 χ^2/NDF : 18.4/10

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

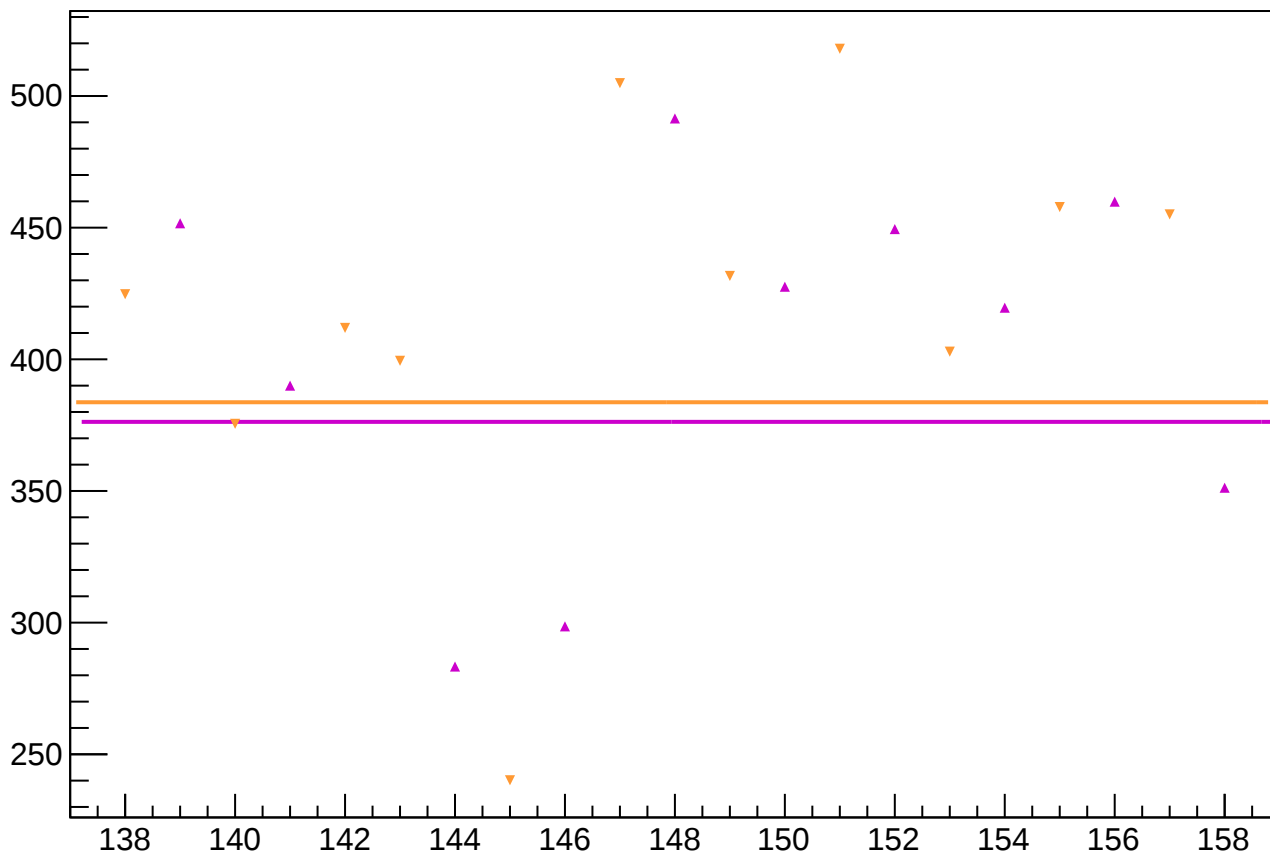
Left In: -194.263+/-134.627 χ^2/NDF : 15.7/9

-225.662+/-138.646 χ^2/NDF : 18.4/10

-209.501+/-96.585 χ^2/NDF : 34.1/20

-194.263+/-134.627 χ^2/NDF : 15.7/9

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

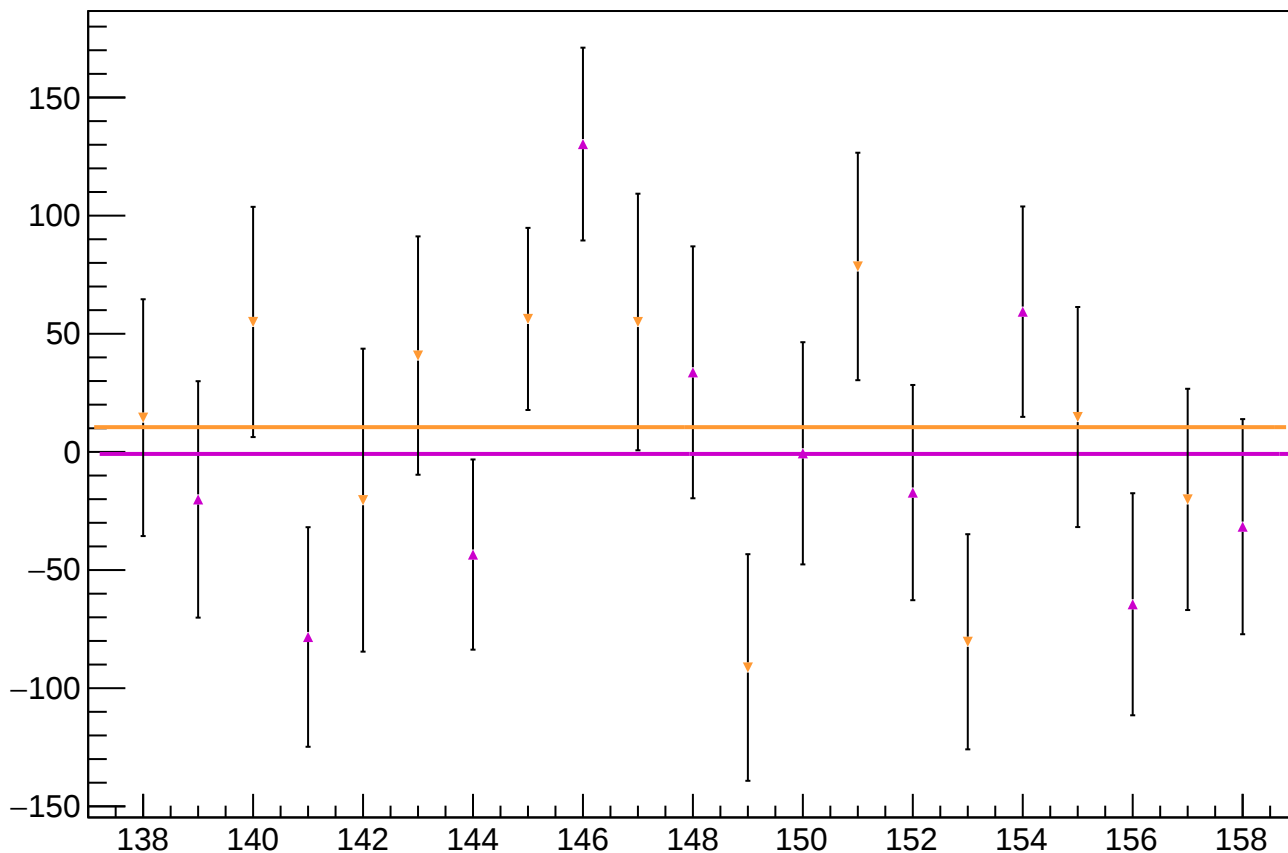
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

379.863+/-0.068 χ^2/NDF : 1416382.7/20

Left In: 376.248+/-0.095 χ^2/NDF : 556983.5/9

376.248+/-0.095 χ^2/NDF : 556983.5/9

reg_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 10.481+/-14.533 χ^2/NDF : 14.4/10

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

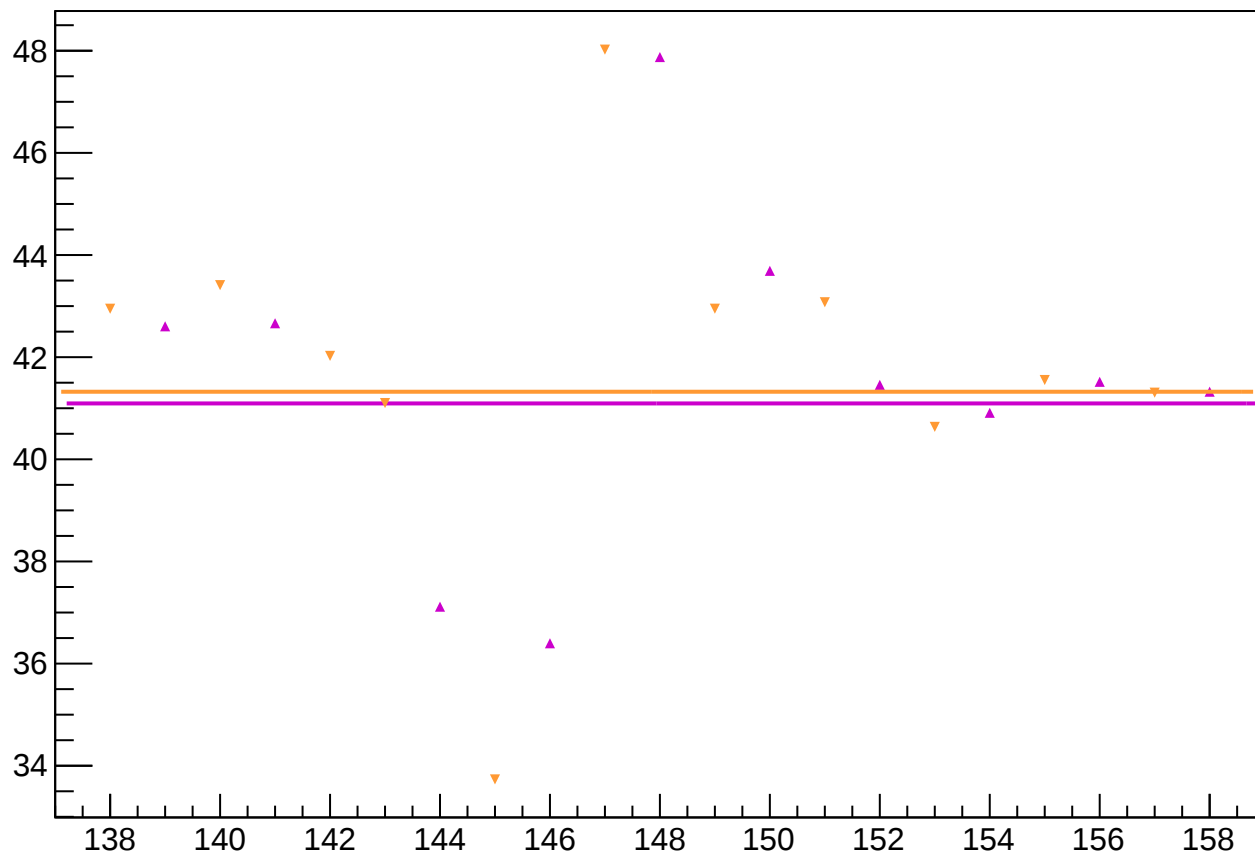
Left In: -0.851+/-14.424 χ^2/NDF : 19.0/9

10.481+/-14.533 χ^2/NDF : 14.4/10

4.772+/-10.238 χ^2/NDF : 33.8/20

-0.851+/-14.424 χ^2/NDF : 19.0/9

reg_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 41.323+/-0.010 χ^2/NDF : 119537.8/10

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

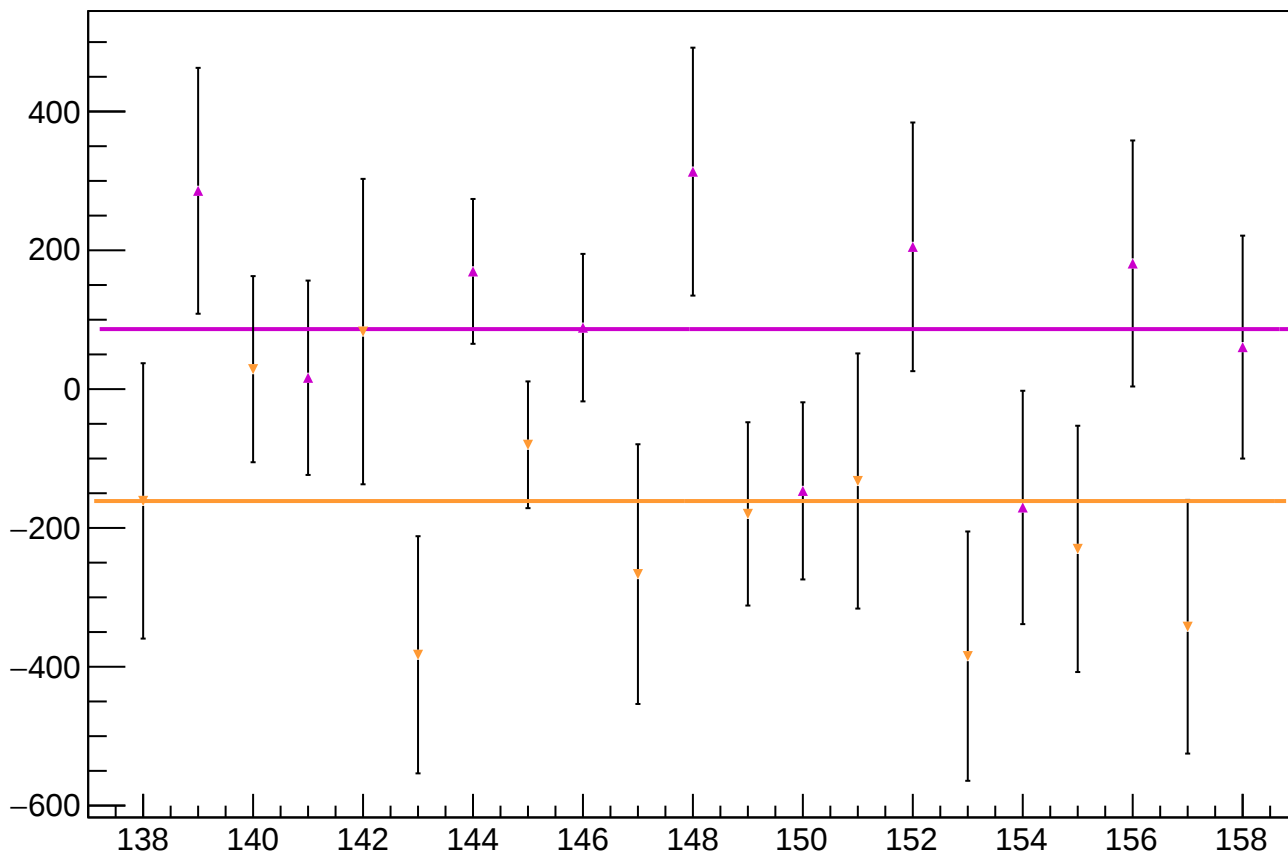
Left In: 41.094+/-0.010 χ^2/NDF : 89002.8/9

41.323+/-0.010 χ^2/NDF : 119537.8/10

41.208+/-0.007 χ^2/NDF : 208790.7/20

41.094+/-0.010 χ^2/NDF : 89002.8/9

asym_sam_37_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -161.253+/-46.417 χ^2/NDF : 8.8/10

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

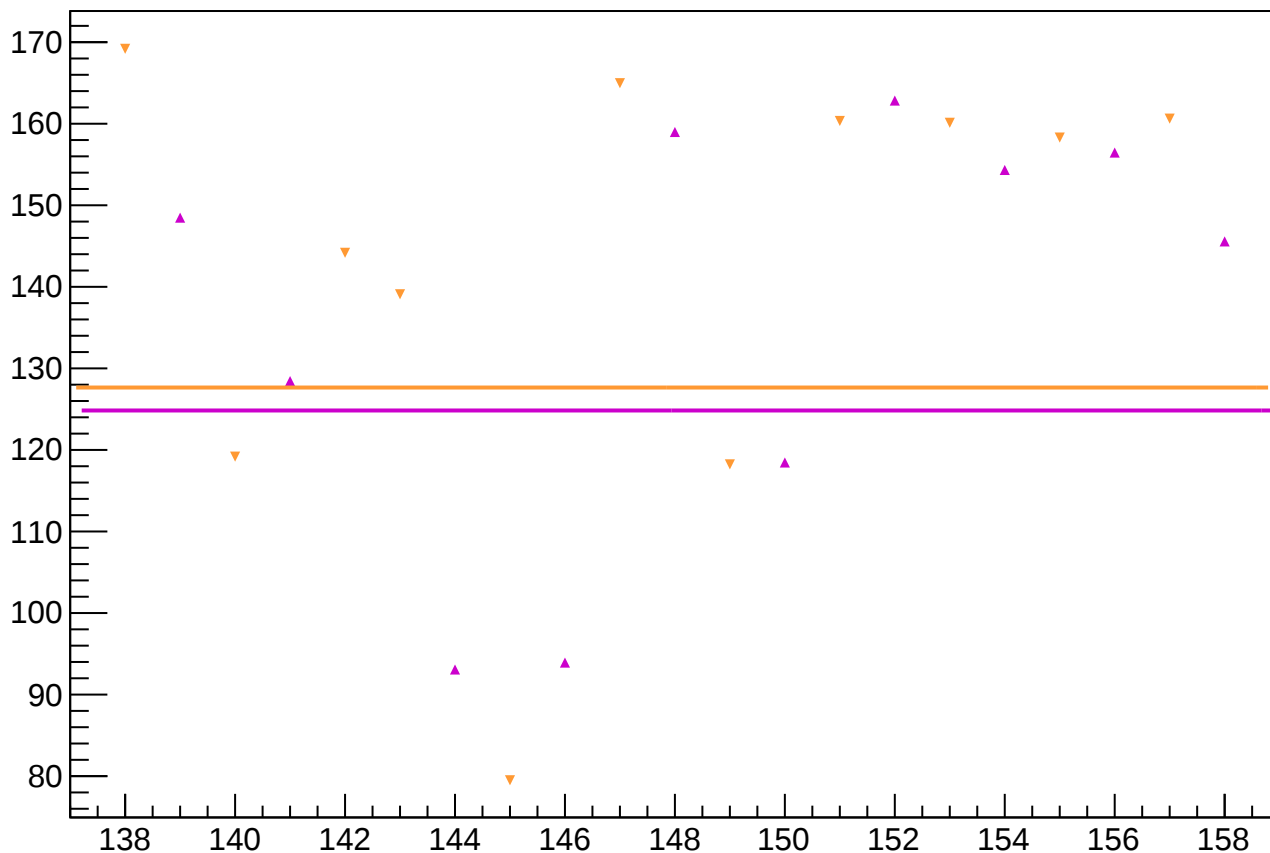
Left In: 86.488+/-45.027 χ^2/NDF : 10.2/9

-161.253+/-46.417 χ^2/NDF : 8.8/10

-33.619+/-32.319 χ^2/NDF : 33.6/20

86.488+/-45.027 χ^2/NDF : 10.2/9

asym_sam_37_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 127.652+/-0.033 χ^2/NDF : 1015504.8/10

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

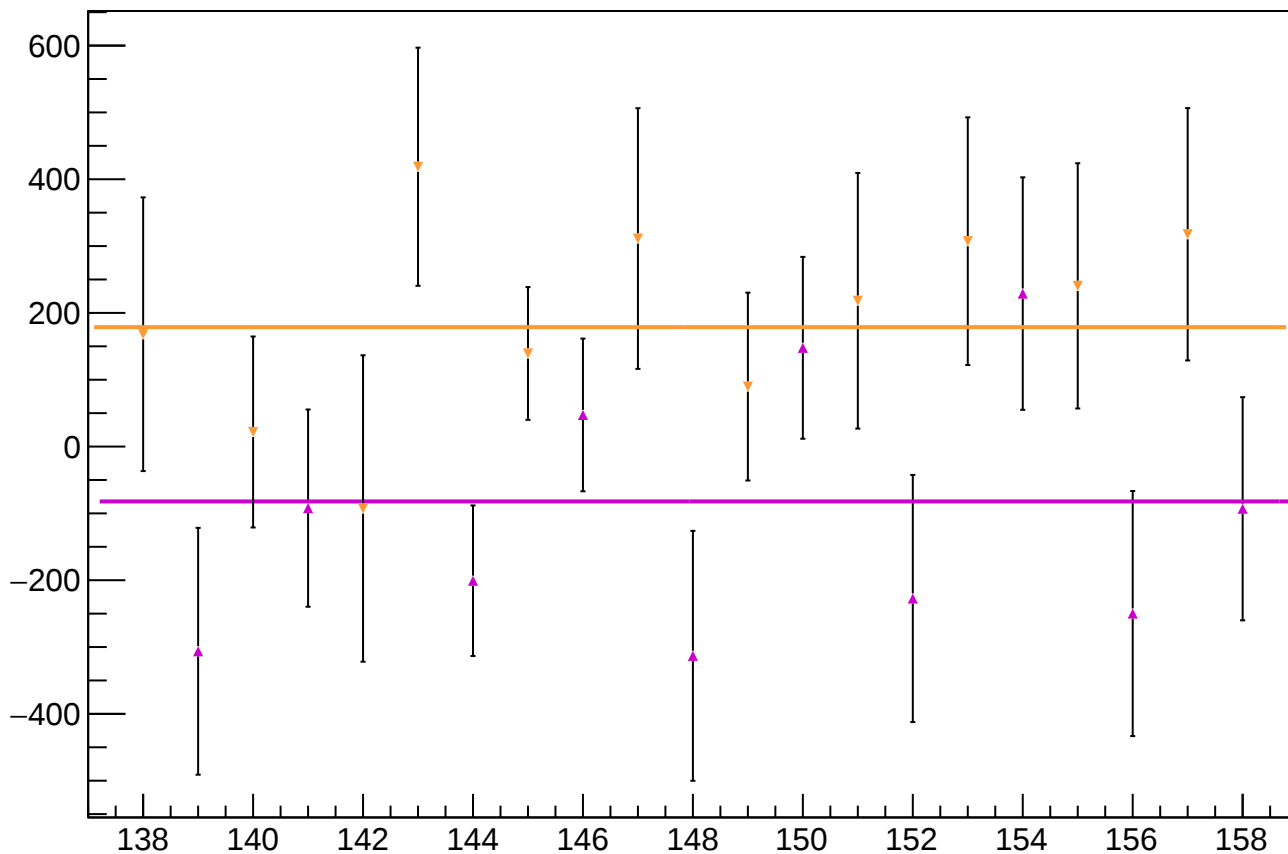
Left In: 124.837+/-0.032 χ^2/NDF : 718295.8/9

127.652+/-0.033 χ^2/NDF : 1015504.8/10

126.202+/-0.023 χ^2/NDF : 1737590.2/20

124.837+/-0.032 χ^2/NDF : 718295.8/9

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

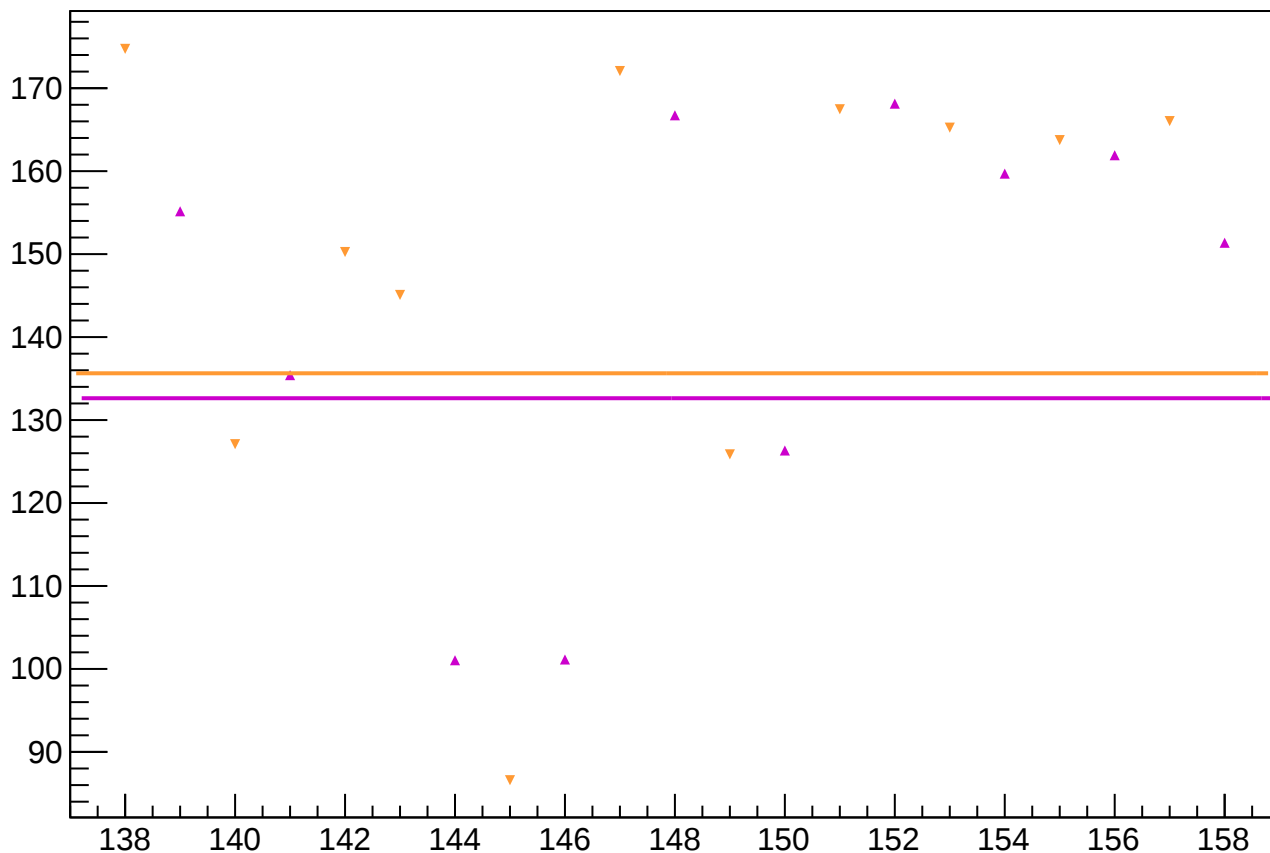
Left In: -82.107+/-47.613 χ^2/NDF : 12.9/9

178.713+/-49.041 χ^2/NDF : 6.6/10

44.450+/-34.161 χ^2/NDF : 34.1/20

-82.107+/-47.613 χ^2/NDF : 12.9/9

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 135.636+/-0.035 χ^2/NDF : 866119.4/10

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

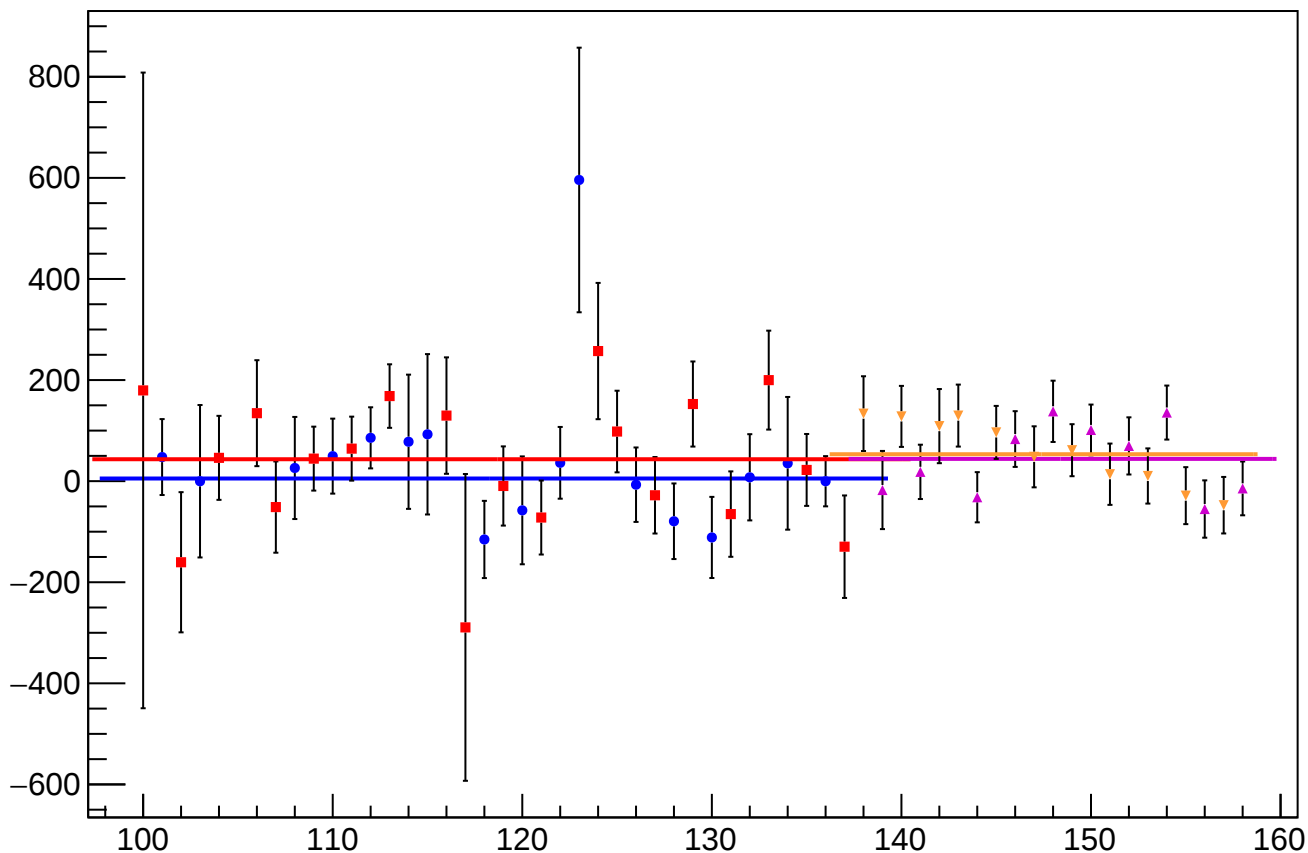
Left In: 132.630+/-0.034 χ^2/NDF : 608731.7/9

135.636+/-0.035 χ^2/NDF : 866119.4/10

134.089+/-0.024 χ^2/NDF : 1478719.6/20

132.630+/-0.034 χ^2/NDF : 608731.7/9

reg_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 5.220 ± 20.150 χ^2/NDF : 14.7/16

Left Out: 53.254 ± 17.769 χ^2/NDF : 12.0/10

Right Out: 43.354 ± 19.371 χ^2/NDF : 25.6/19

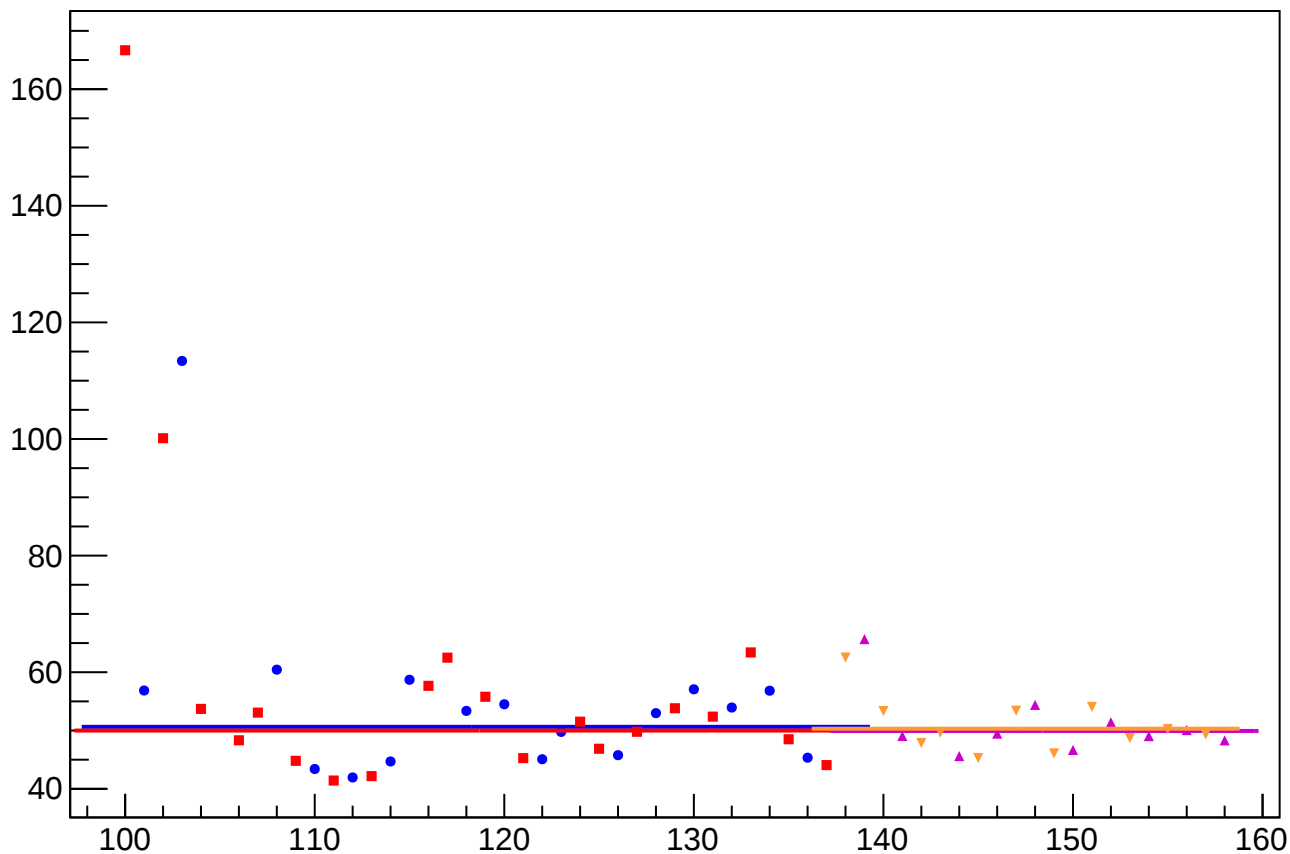
Left In: 44.021 ± 17.559 χ^2/NDF : 14.8/9

32.241 ± 13.328 χ^2/NDF : 29.9/27

38.119 ± 9.310 χ^2/NDF : 70.7/57

43.720 ± 13.010 χ^2/NDF : 40.4/29

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 50.635 $\pm$ 0.014 χ^2/NDF : 519687.1/16

Left Out: 50.312 $\pm$ 0.013 χ^2/NDF : 108927.6/10

Right Out: 49.994 $\pm$ 0.014 χ^2/NDF : 503898.1/19

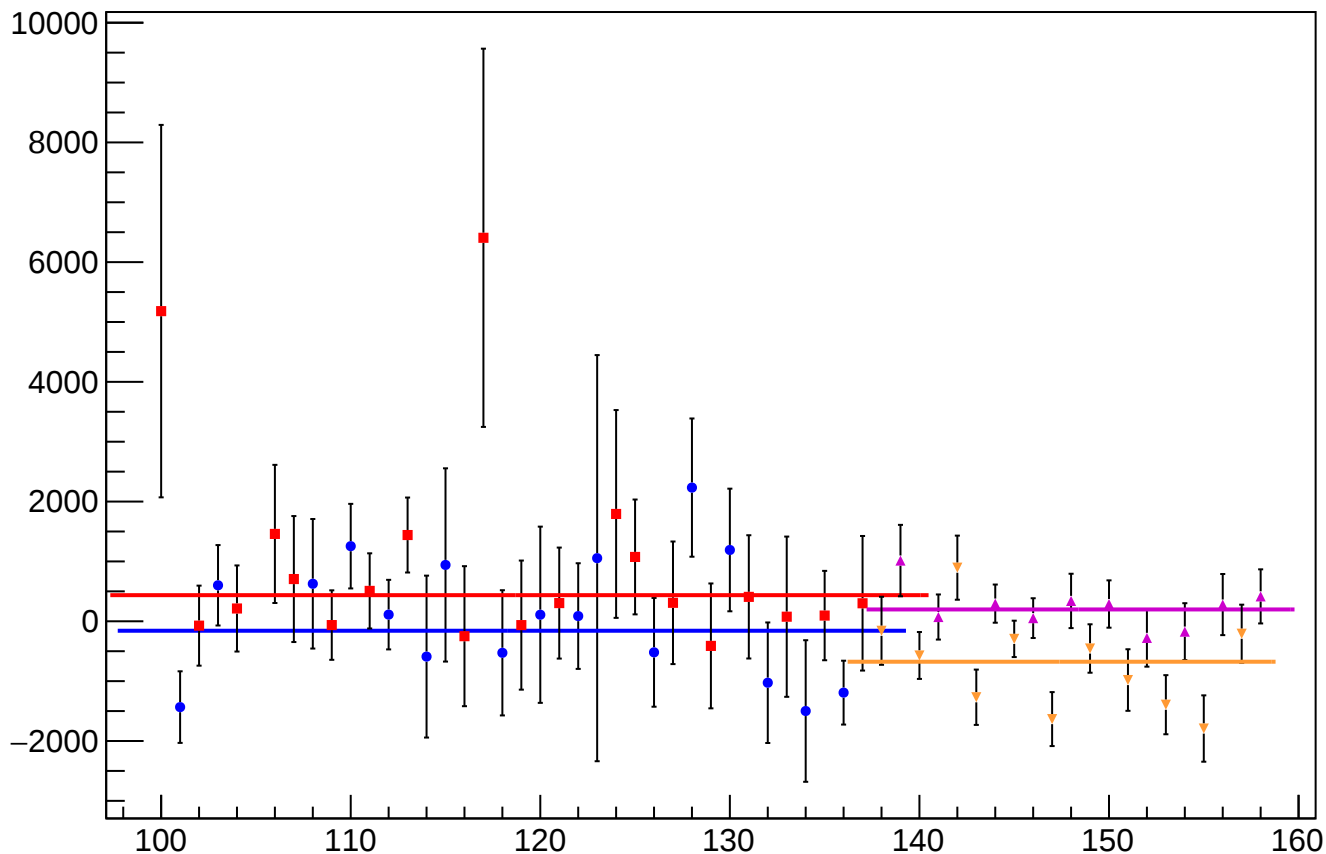
Left In: 49.928 $\pm$ 0.012 χ^2/NDF : 121747.1/9

50.453 $\pm$ 0.009 χ^2/NDF : 628904.1/27

50.199 $\pm$ 0.007 χ^2/NDF : 1255976.0/57

49.958 $\pm$ 0.009 χ^2/NDF : 625657.9/29

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



Right In: -158.001 $\pm$ 210.181 χ^2 /NDF: 23.5/16

Left Out: -675.611 $\pm$ 134.809 χ^2 /NDF:25.0/10

Right Out: 436.410 $\pm$ 203.212 χ^2 /NDF: 13.4/19

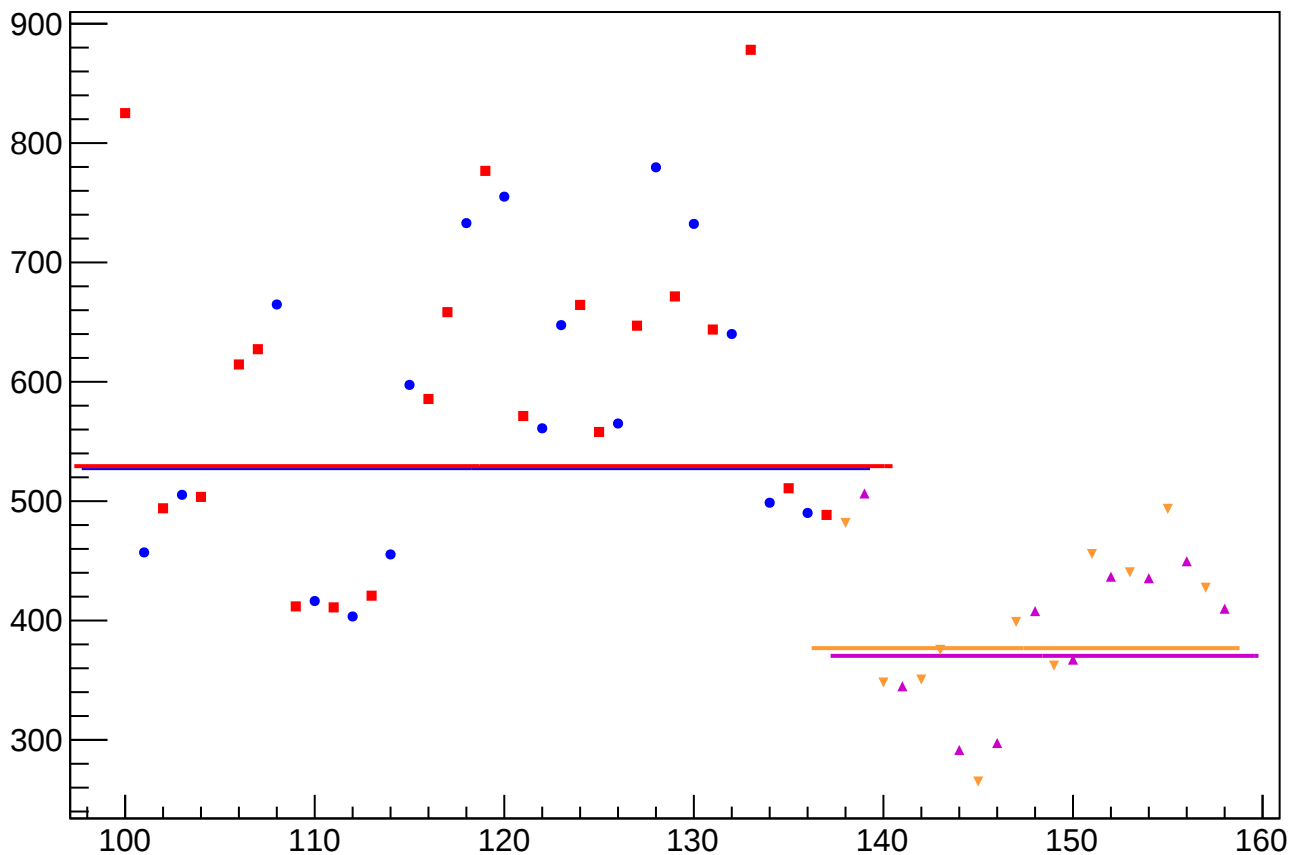
Left In: 197.696 $\pm$ 131.892 χ^2 /NDF:4.3/9

-524.740 $\pm$ 113.474 χ^2 /NDF: 52.8/27

-118.090 $\pm$ 79.214 χ^2 /NDF: 96.4/57

268.449 $\pm$ 110.632 χ^2 /NDF: 18.6/29

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



Right In: 527.663 $\pm$ 0.149 χ^2 /NDF: 557423.6/16

Left Out: 376.869 $\pm$ 0.095 χ^2 /NDF: 552087.4/10

Right Out: 529.342 $\pm$ 0.144 χ^2 /NDF: 626714.3/19

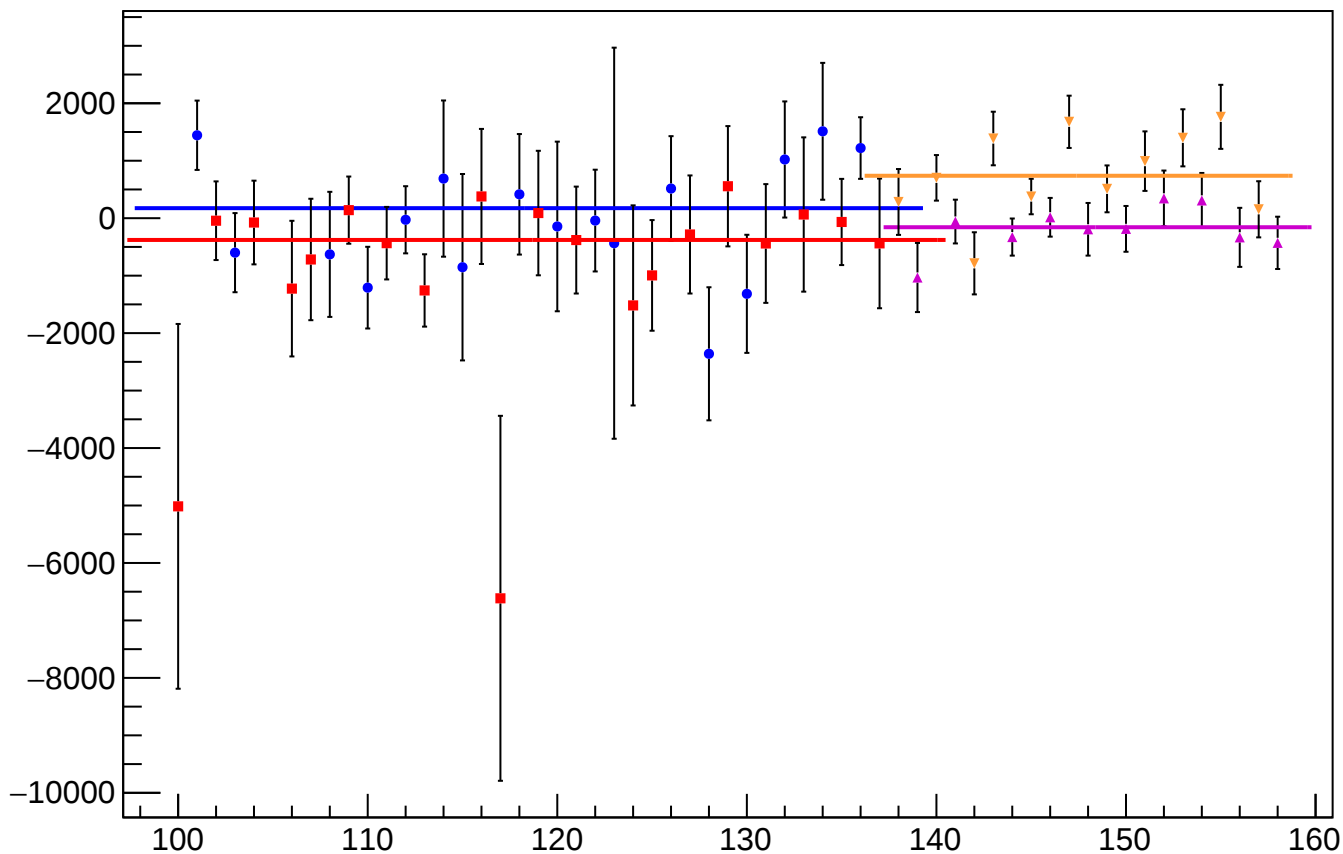
Left In: 370.415 $\pm$ 0.093 χ^2 /NDF: 485000.9/9

420.822 $\pm$ 0.080 χ^2 /NDF: 1838912.7/27

419.129 $\pm$ 0.056 χ^2 /NDF: 3812210.3/57

417.520 $\pm$ 0.078 χ^2 /NDF: 1972429.4/29

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 174.605 $\pm$ 211.662 χ^2 /NDF: 23.7/16

Left Out: 738.461 $\pm$ 136.126 χ^2 /NDF:23.3/10

Right Out: -378.609 $\pm$ 204.777 χ^2 /NDF: 12.3/19

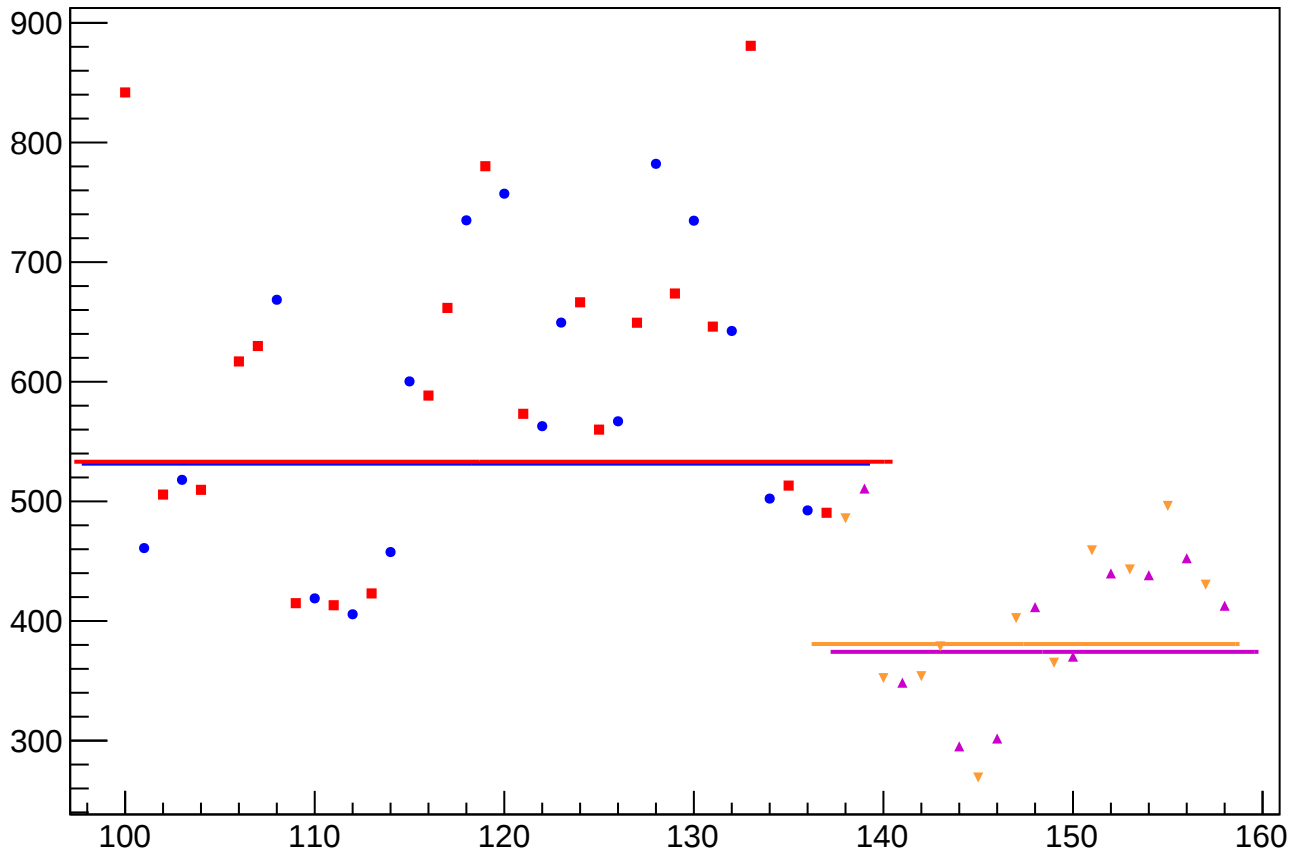
Left In: -157.252 $\pm$ 133.180 χ^2 /NDF:5.2/9

573.481 $\pm$ 114.492 χ^2 /NDF: 52.0/27

165.189 $\pm$ 79.932 χ^2 /NDF: 95.2/57

-223.050 $\pm$ 111.645 χ^2 /NDF: 18.4/29

asym_sam_1357_avg_rms vs Slug, Sign Corrected



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

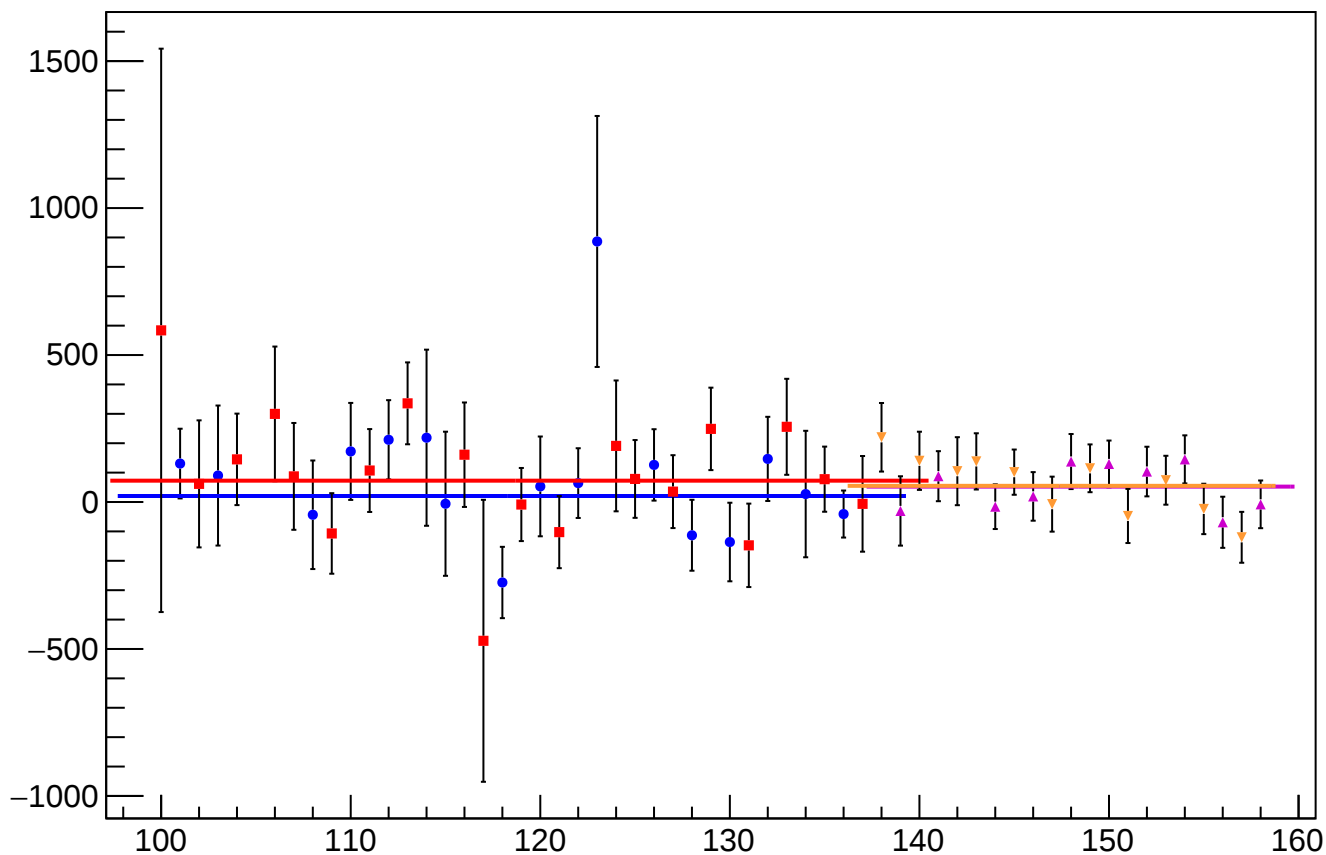
Left In: 374.217+/-0.094 χ^2/NDF : 471289.9/9

424.877+/-0.081 χ^2/NDF : 1803502.4/27

423.126+/-0.057 χ^2/NDF : 3741466.9/57

421.461+/-0.079 χ^2/NDF : 1937052.0/29

reg_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 20.441 $\pm$ 34.583 χ^2 /NDF: 19.3/16

Left Out: 55.032 $\pm$ 27.459 χ^2 /NDF:11.3/10

Right Out: 72.603 $\pm$ 34.608 χ^2 /NDF: 16.7/19

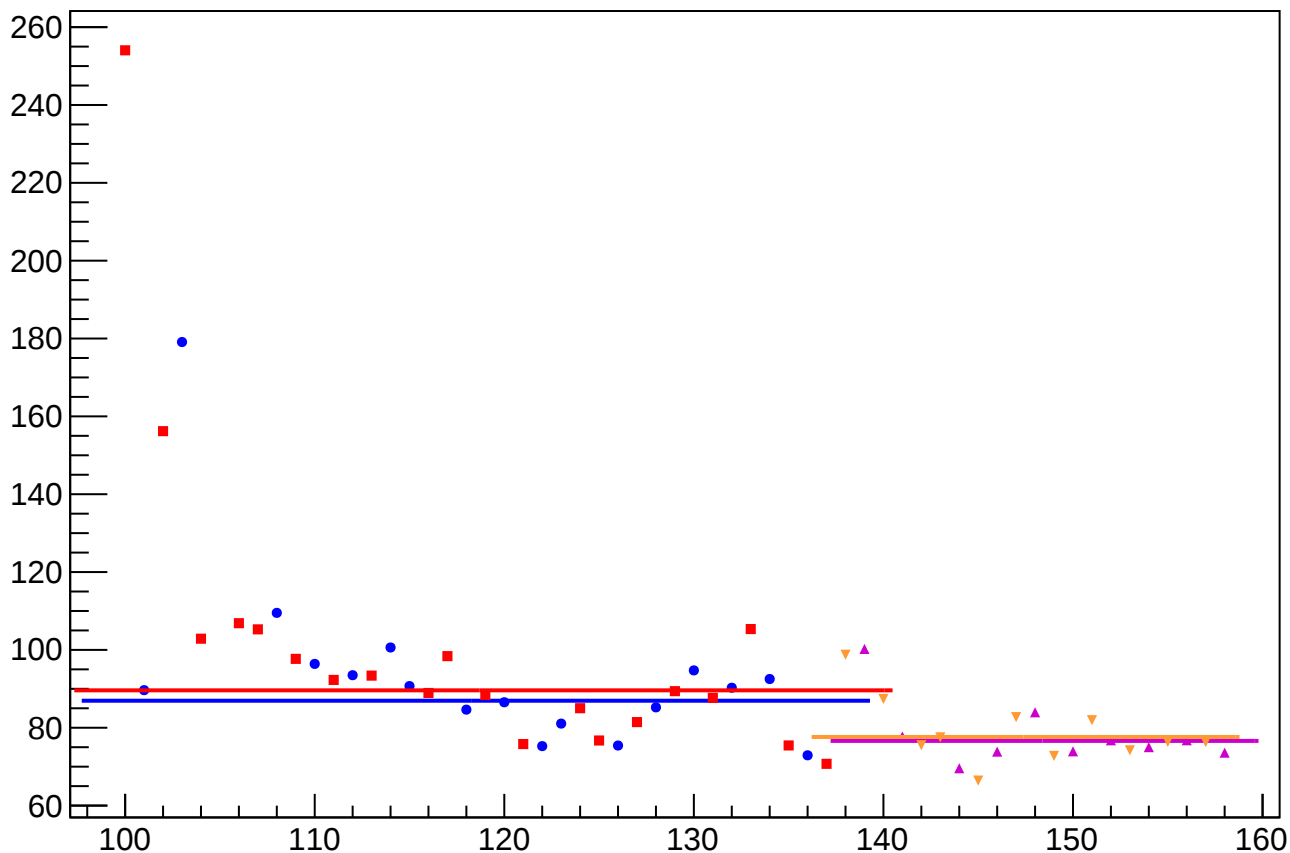
Left In: 52.375 $\pm$ 26.965 χ^2 /NDF:7.6/9

41.657 $\pm$ 21.505 χ^2 /NDF: 31.1/27

50.937 $\pm$ 15.123 χ^2 /NDF: 56.0/57

60.016 $\pm$ 21.271 χ^2 /NDF: 24.5/29

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 86.943 $\pm$ 0.024 χ^2 /NDF: 455809.4/16

Left Out: 77.630 $\pm$ 0.019 χ^2 /NDF: 150047.2/10

Right Out: 89.607 $\pm$ 0.024 χ^2 /NDF: 431905.8/19

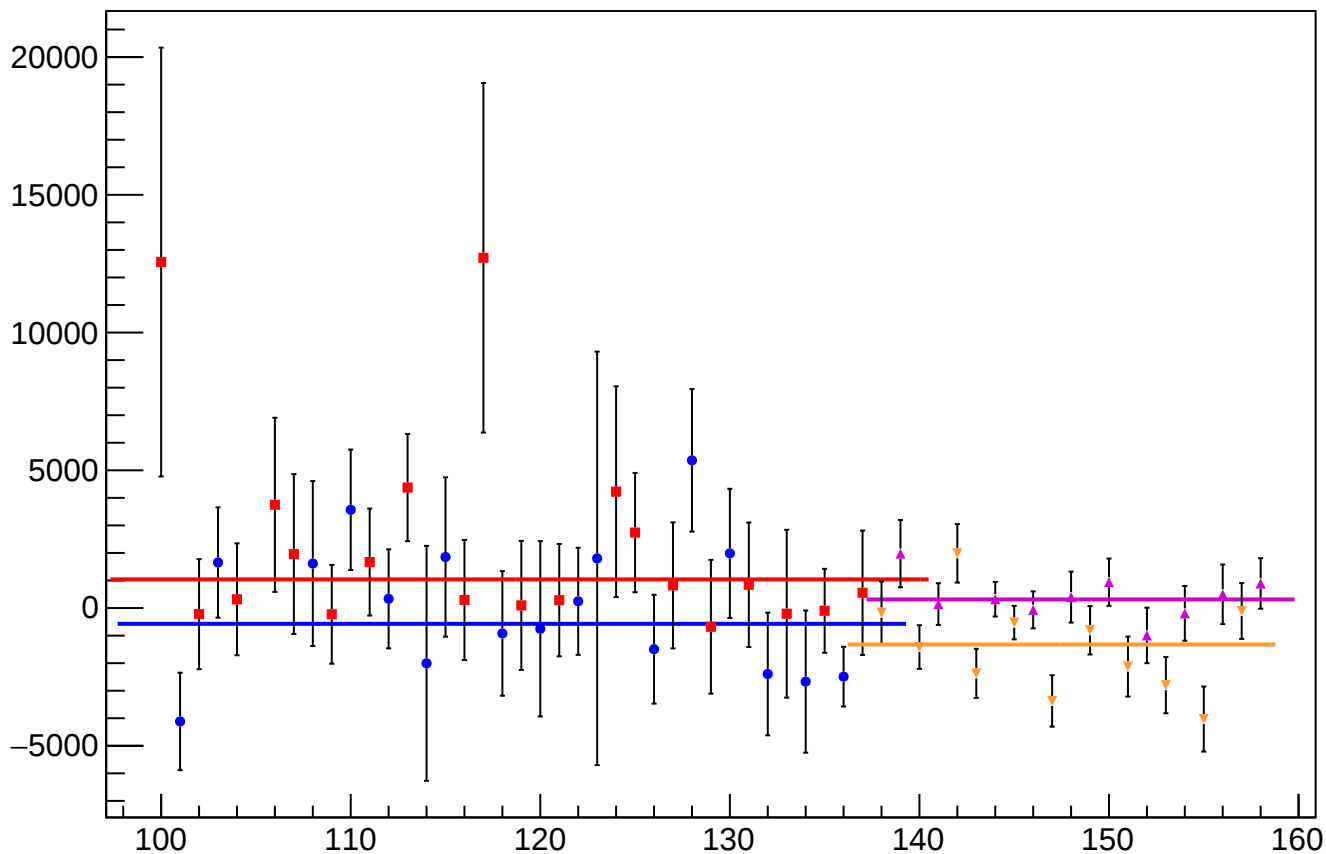
Left In: 76.618 $\pm$ 0.019 χ^2 /NDF: 118014.1/9

81.231 $\pm$ 0.015 χ^2 /NDF: 694798.7/27

81.379 $\pm$ 0.011 χ^2 /NDF: 1420222.4/57

81.524 $\pm$ 0.015 χ^2 /NDF: 725235.7/29

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



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

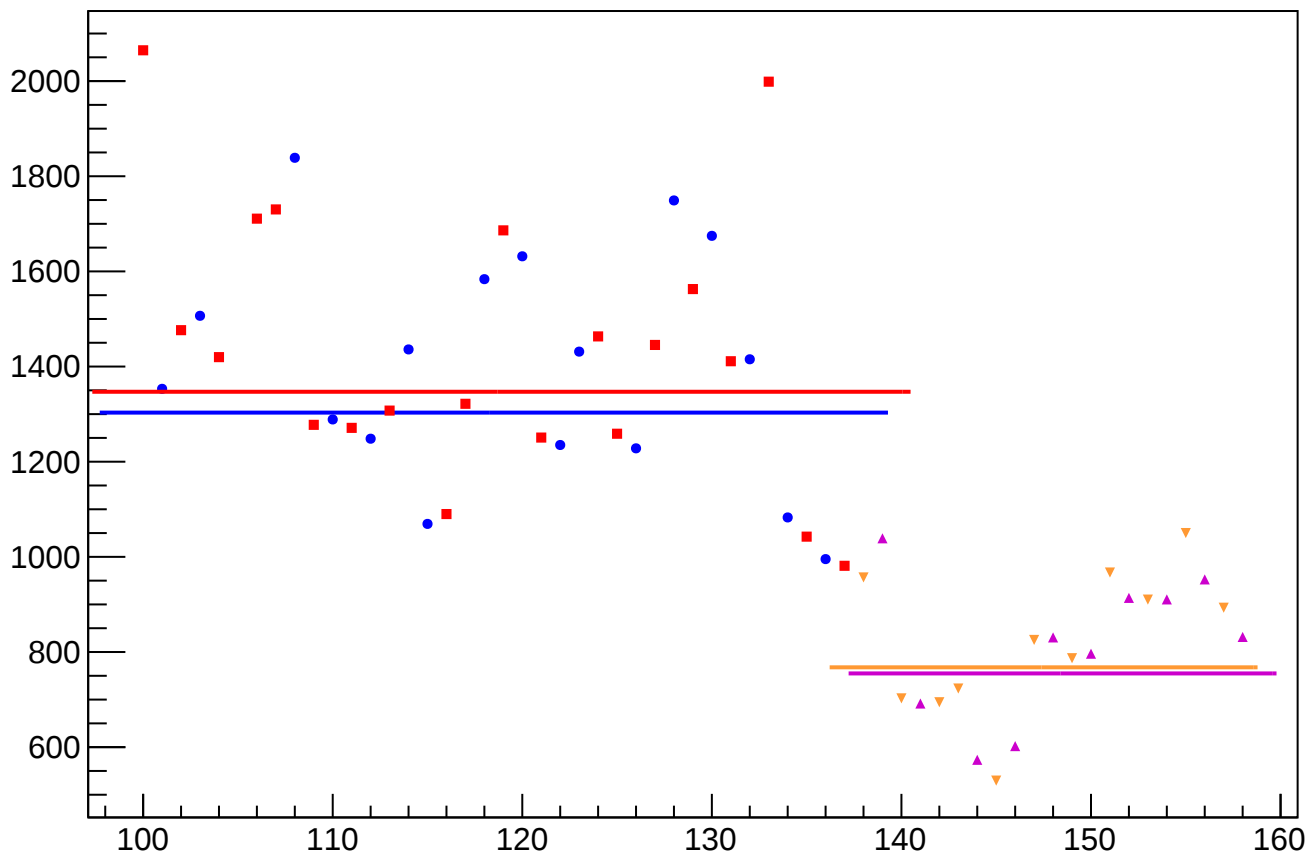
Left In: 312.670 ± 269.718 χ^2/NDF : 5.1/9

-1157.669 ± 243.217 χ^2/NDF : 51.9/27

-328.493 ± 170.370 χ^2/NDF : 94.9/57

470.349 ± 238.726 χ^2/NDF : 20.2/29

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



Right In: 1303.201 $\pm$ 0.366 χ^2/NDF : 451961.9/16

Left Out: 767.803 $\pm$ 0.195 χ^2/NDF : 649562.6/10

Right Out: 1347.011 $\pm$ 0.363 χ^2/NDF : 420806.0/19

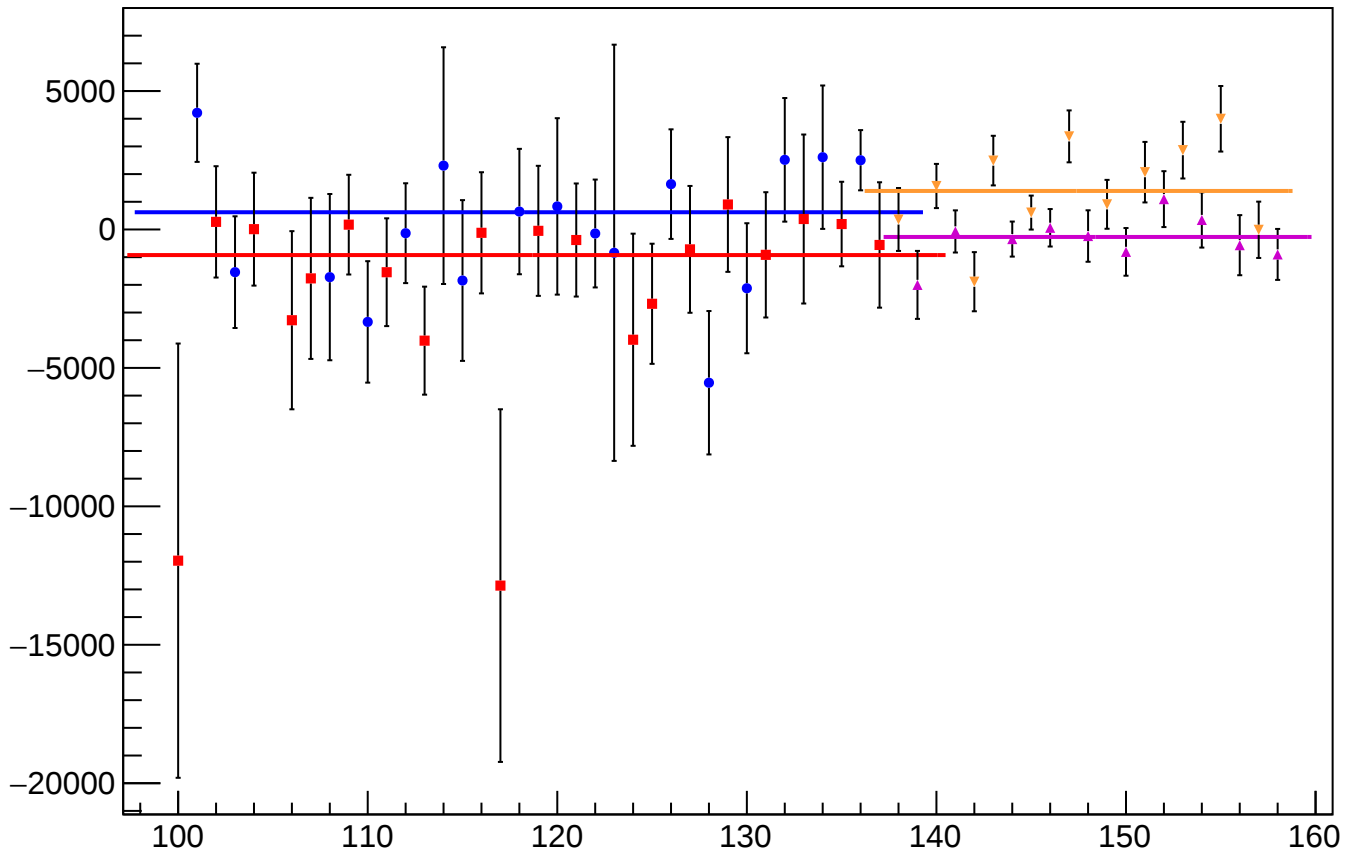
Left In: 754.969 $\pm$ 0.191 χ^2/NDF : 590331.8/9

886.284 $\pm$ 0.172 χ^2/NDF : 2771620.0/27

884.718 $\pm$ 0.120 χ^2/NDF : 5870227.4/57

883.209 $\pm$ 0.169 χ^2/NDF : 3098444.7/29

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 622.411 $\pm$ 518.496 χ^2/NDF : 22.0/16

Left Out: 1391.368 $\pm$ 277.197 χ^2/NDF : 27.3/10

Right Out: -924.488 $\pm$ 514.636 χ^2/NDF : 12.6/19

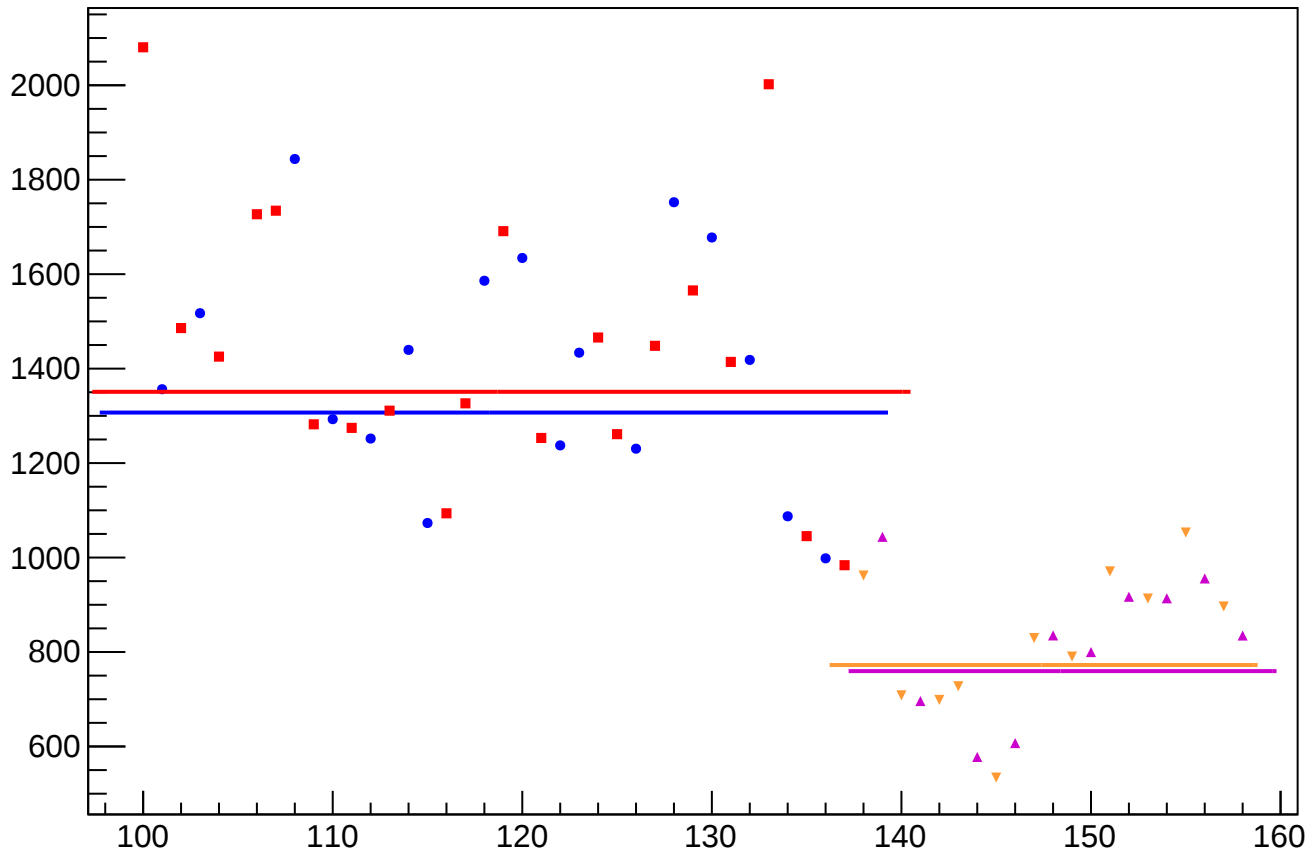
Left In: -270.181 $\pm$ 271.254 χ^2/NDF : 5.5/9

1220.441 $\pm$ 244.455 χ^2/NDF : 51.0/27

388.859 $\pm$ 171.245 χ^2/NDF : 93.1/57

-412.435 $\pm$ 239.962 χ^2/NDF : 19.3/29

asym_sam_2468_avg_rms vs Slug, Sign Corrected



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

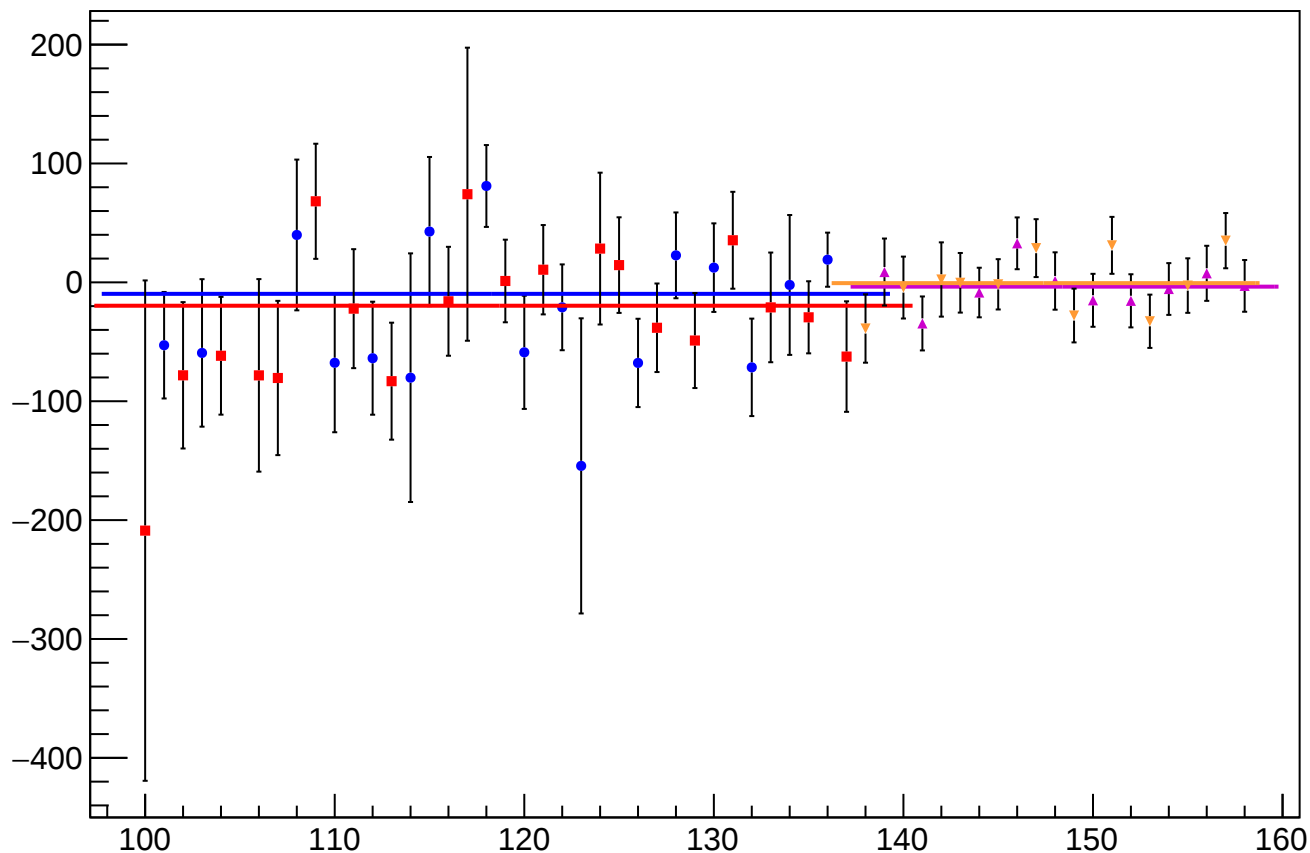
Left In: 759.527 $\pm$ 0.192 χ^2 /NDF: 580355.0/9

891.285 $\pm$ 0.173 χ^2 /NDF: 2743047.3/27

889.666 $\pm$ 0.121 χ^2 /NDF: 5812397.9/57

888.107 $\pm$ 0.170 χ^2 /NDF: 3069178.4/29

reg_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -9.669 ± 10.408 χ^2/NDF : 22.6/16

Left Out: -0.658 ± 7.320 χ^2/NDF : 10.9/10

Right Out: -19.662 ± 10.406 χ^2/NDF : 15.2/19

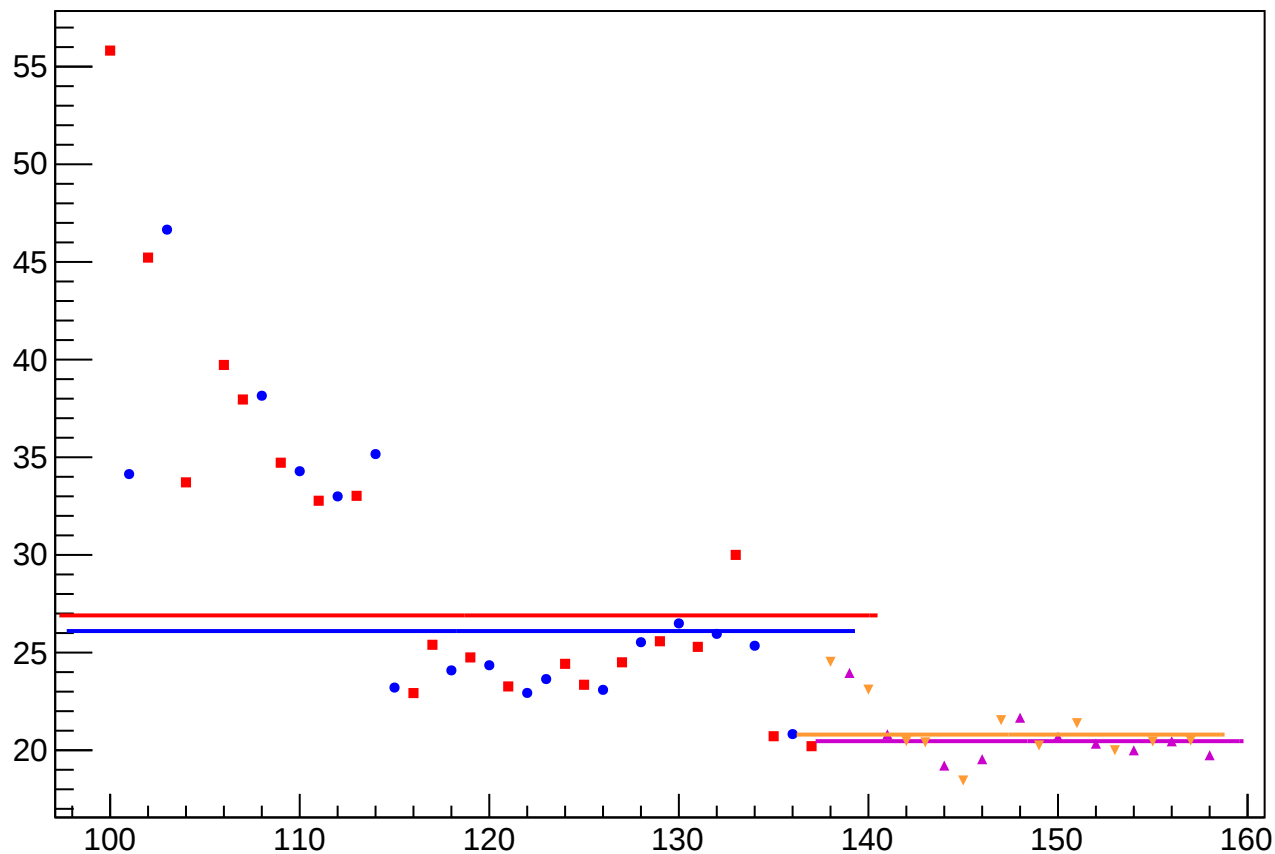
Left In: -3.613 ± 7.175 χ^2/NDF : 5.7/9

-3.640 ± 5.987 χ^2/NDF : 34.0/27

-6.247 ± 4.205 χ^2/NDF : 56.9/57

-8.784 ± 5.907 χ^2/NDF : 22.6/29

reg_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 26.103 $\pm$ 0.007 χ^2/NDF : 604038.5/16

Left Out: 20.802 $\pm$ 0.005 χ^2/NDF : 82238.2/10

Right Out: 26.903 $\pm$ 0.007 χ^2/NDF : 679269.9/19

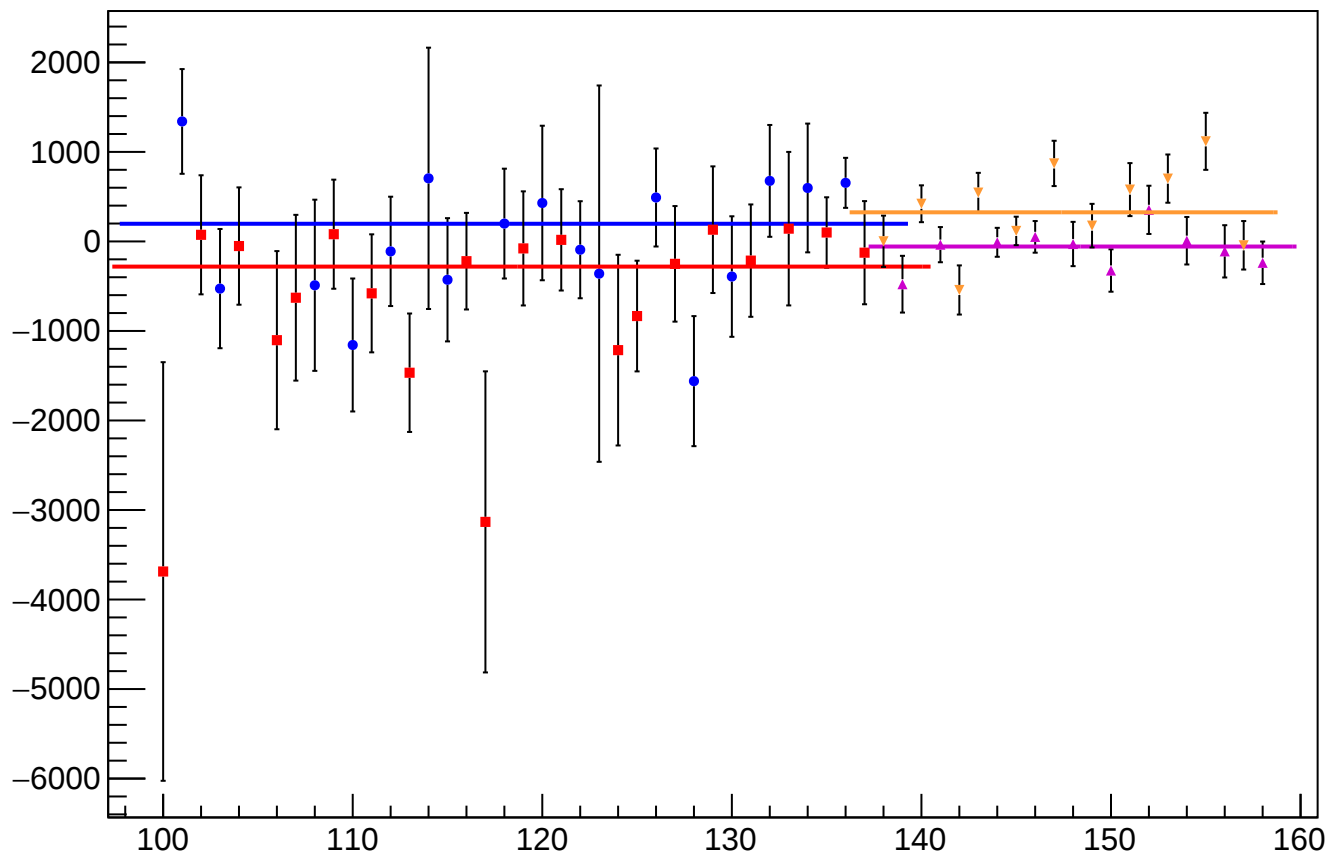
Left In: 20.465 $\pm$ 0.005 χ^2/NDF : 50294.2/9

22.556 $\pm$ 0.004 χ^2/NDF : 1033417.1/27

22.547 $\pm$ 0.003 χ^2/NDF : 2281897.3/57

22.539 $\pm$ 0.004 χ^2/NDF : 1248472.2/29

asym_sam_1357_2468_dd_correction_mean vs Slug, Sign Corrected



Right In: 197.327 $\pm$ 147.883 χ^2 /NDF: 21.0/16

Left Out: 325.200 $\pm$ 72.484 χ^2 /NDF: 29.9/10

Right Out: -281.185 $\pm$ 149.275 χ^2 /NDF: 13.6/19

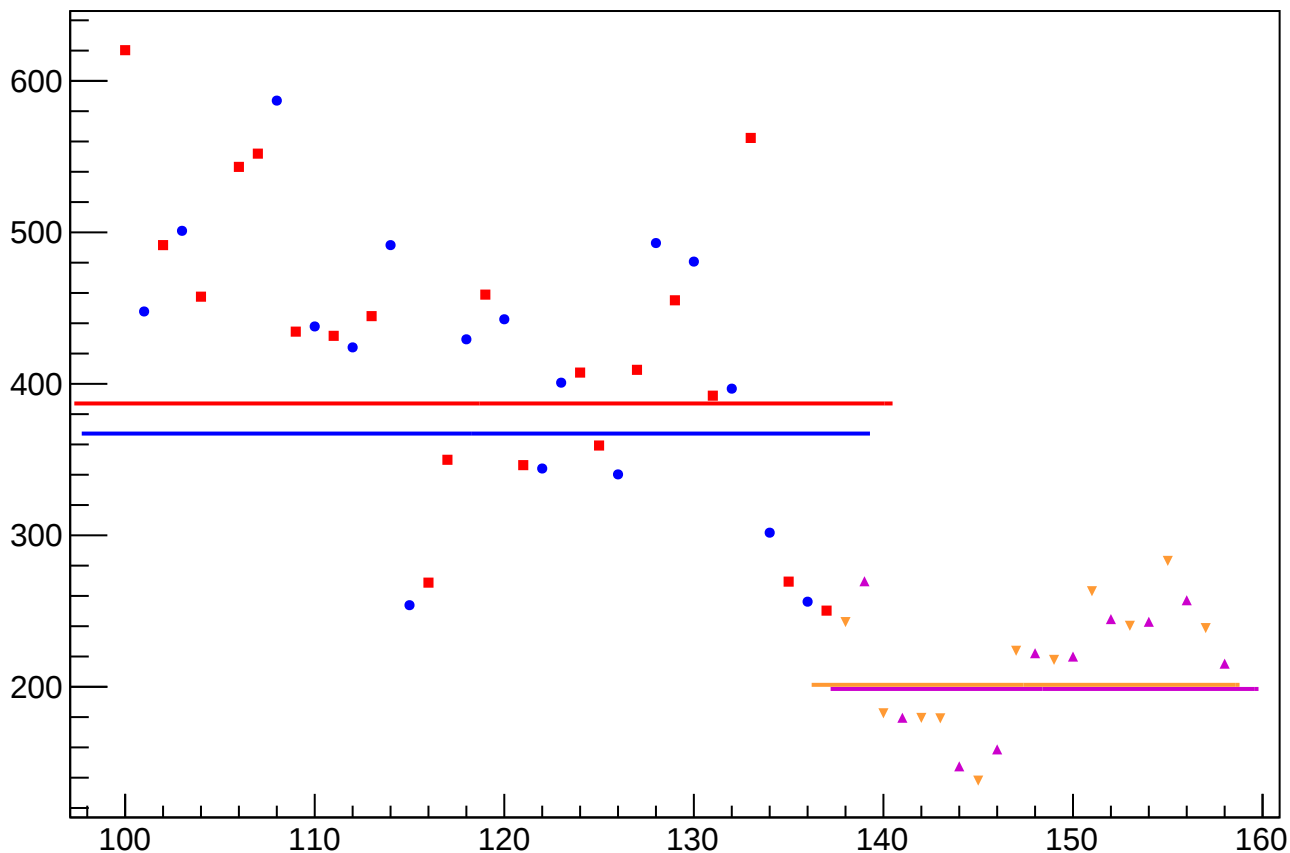
Left In: -56.922 $\pm$ 71.111 χ^2 /NDF: 6.5/9

300.431 $\pm$ 65.087 χ^2 /NDF: 51.5/27

98.275 $\pm$ 45.706 χ^2 /NDF: 92.5/57

-98.402 $\pm$ 64.199 χ^2 /NDF: 21.9/29

asym_sam_1357_2468_dd_correction_rms vs Slug, Sign Corrected



Right In: 367.180 $\pm$ 0.105 χ^2 /NDF: 827148.2/16

Left Out: 201.307 $\pm$ 0.051 χ^2 /NDF: 731998.4/10

Right Out: 387.048 $\pm$ 0.106 χ^2 /NDF: 775547.5/19

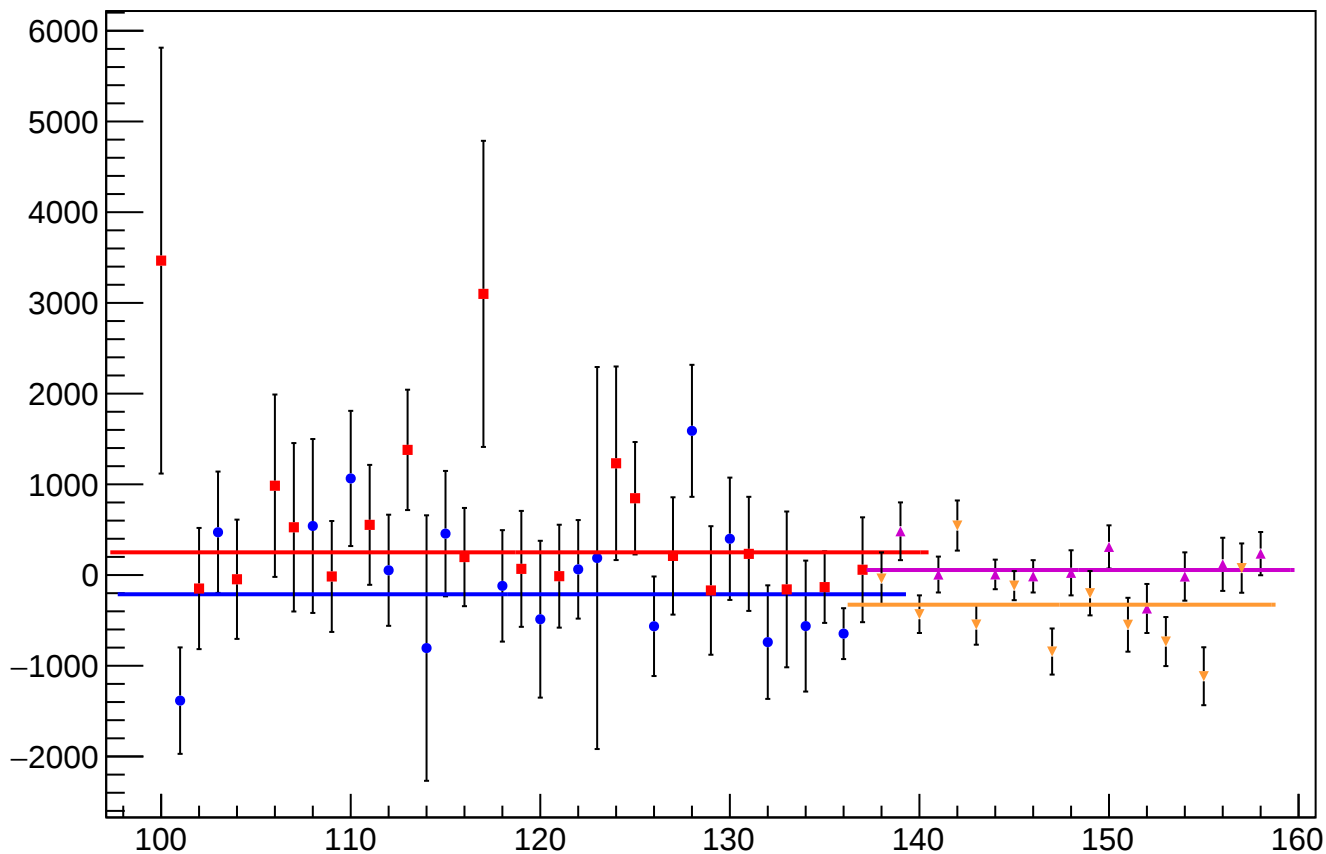
Left In: 198.585 $\pm$ 0.050 χ^2 /NDF: 660216.2/9

233.437 $\pm$ 0.046 χ^2 /NDF: 3587950.1/27

233.440 $\pm$ 0.032 χ^2 /NDF: 7621997.2/57

233.443 $\pm$ 0.045 χ^2 /NDF: 4034047.1/29

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -211.859 ± 148.316 χ^2/NDF : 21.0/16

Left Out: -326.841 ± 72.922 χ^2/NDF : 29.4/10

Right Out: 250.443 ± 149.724 χ^2/NDF : 12.9/19

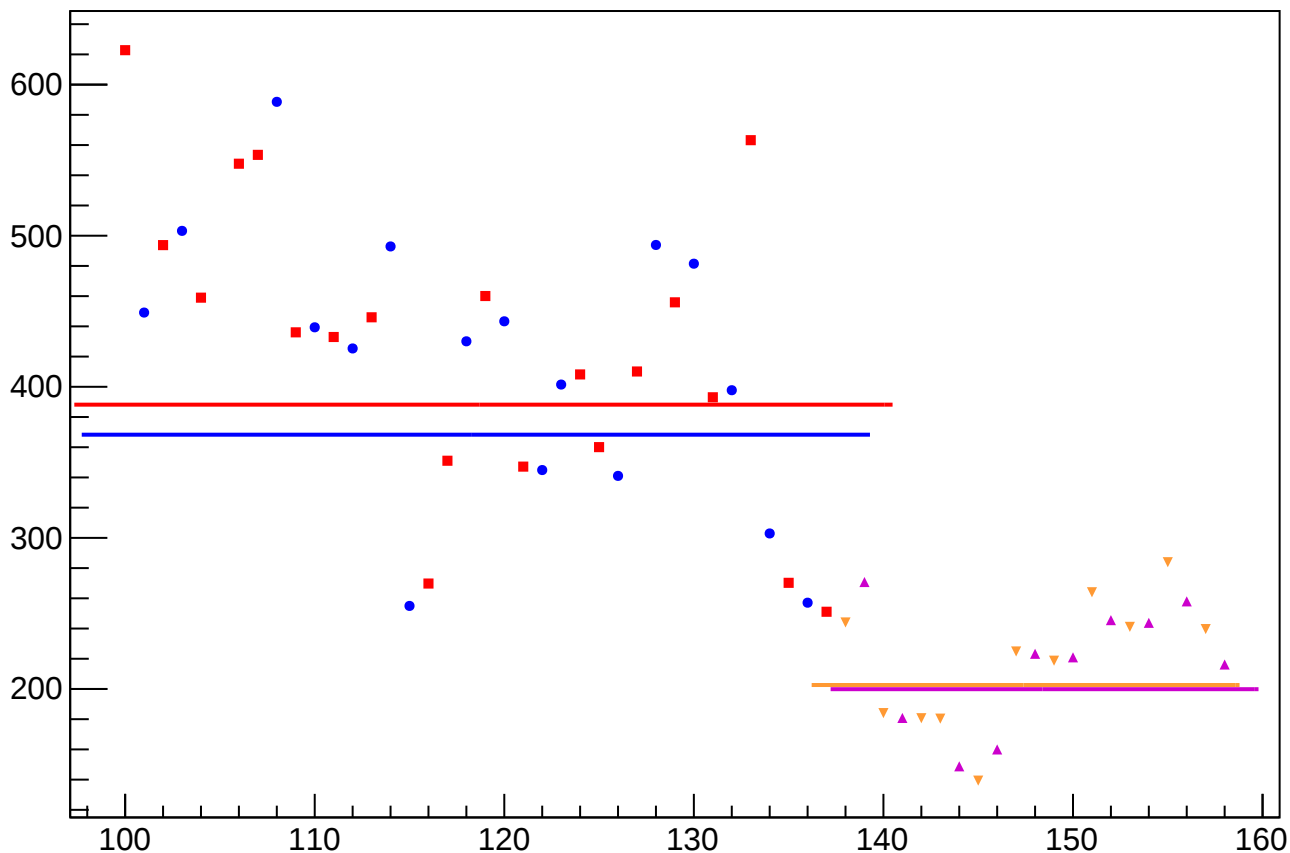
Left In: 55.560 ± 71.532 χ^2/NDF : 6.4/9

-304.457 ± 65.440 χ^2/NDF : 50.9/27

-103.610 ± 45.953 χ^2/NDF : 90.2/57

91.777 ± 64.544 χ^2/NDF : 20.7/29

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 368.302 $\pm$ 0.105 χ^2 /NDF: 824619.2/16

Left Out: 202.624 $\pm$ 0.052 χ^2 /NDF: 717963.6/10

Right Out: 388.178 $\pm$ 0.106 χ^2 /NDF: 775692.7/19

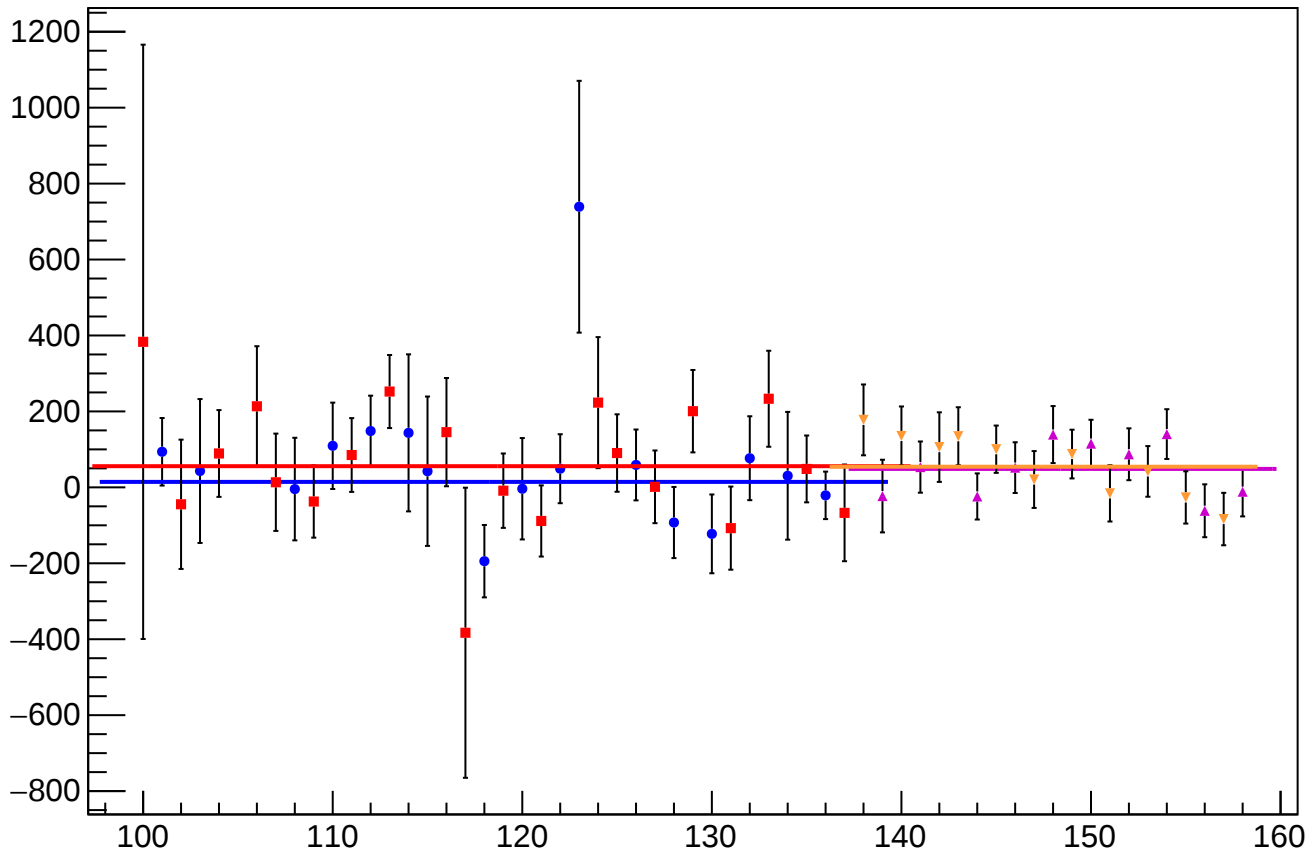
Left In: 199.856 $\pm$ 0.051 χ^2 /NDF: 647266.1/9

234.877 $\pm$ 0.046 χ^2 /NDF: 3552394.0/27

234.865 $\pm$ 0.032 χ^2 /NDF: 7551450.5/57

234.853 $\pm$ 0.046 χ^2 /NDF: 3999056.3/29

reg_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 14.385 $\pm$ 26.334 χ^2 /NDF: 17.7/16

Left Out: 54.360 $\pm$ 21.939 χ^2 /NDF:11.6/10

Right Out: 55.744 $\pm$ 26.060 χ^2 /NDF: 19.7/19

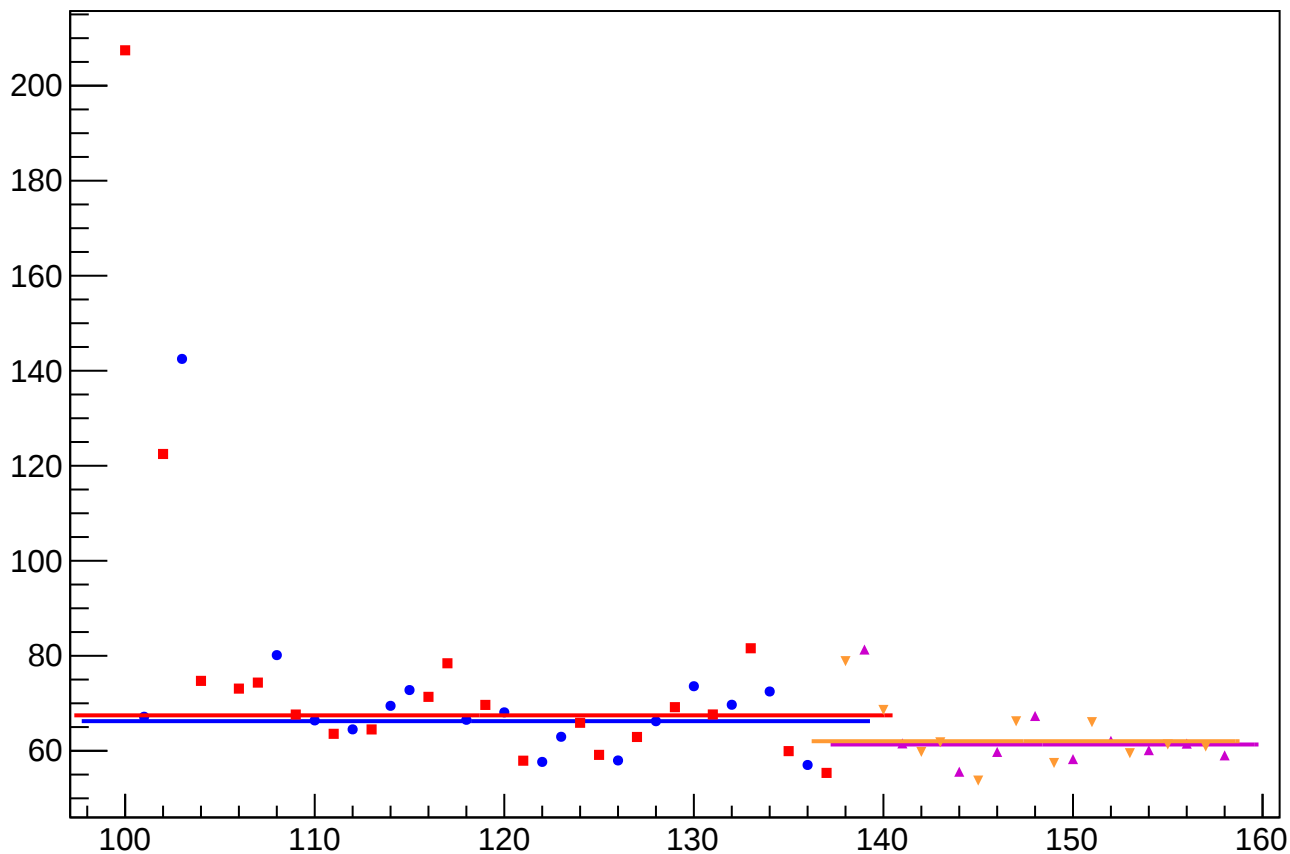
Left In: 48.591 $\pm$ 21.590 χ^2 /NDF:10.2/9

37.982 $\pm$ 16.856 χ^2 /NDF: 30.6/27

44.835 $\pm$ 11.837 χ^2 /NDF: 60.9/57

51.502 $\pm$ 16.626 χ^2 /NDF: 30.0/29

reg_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



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

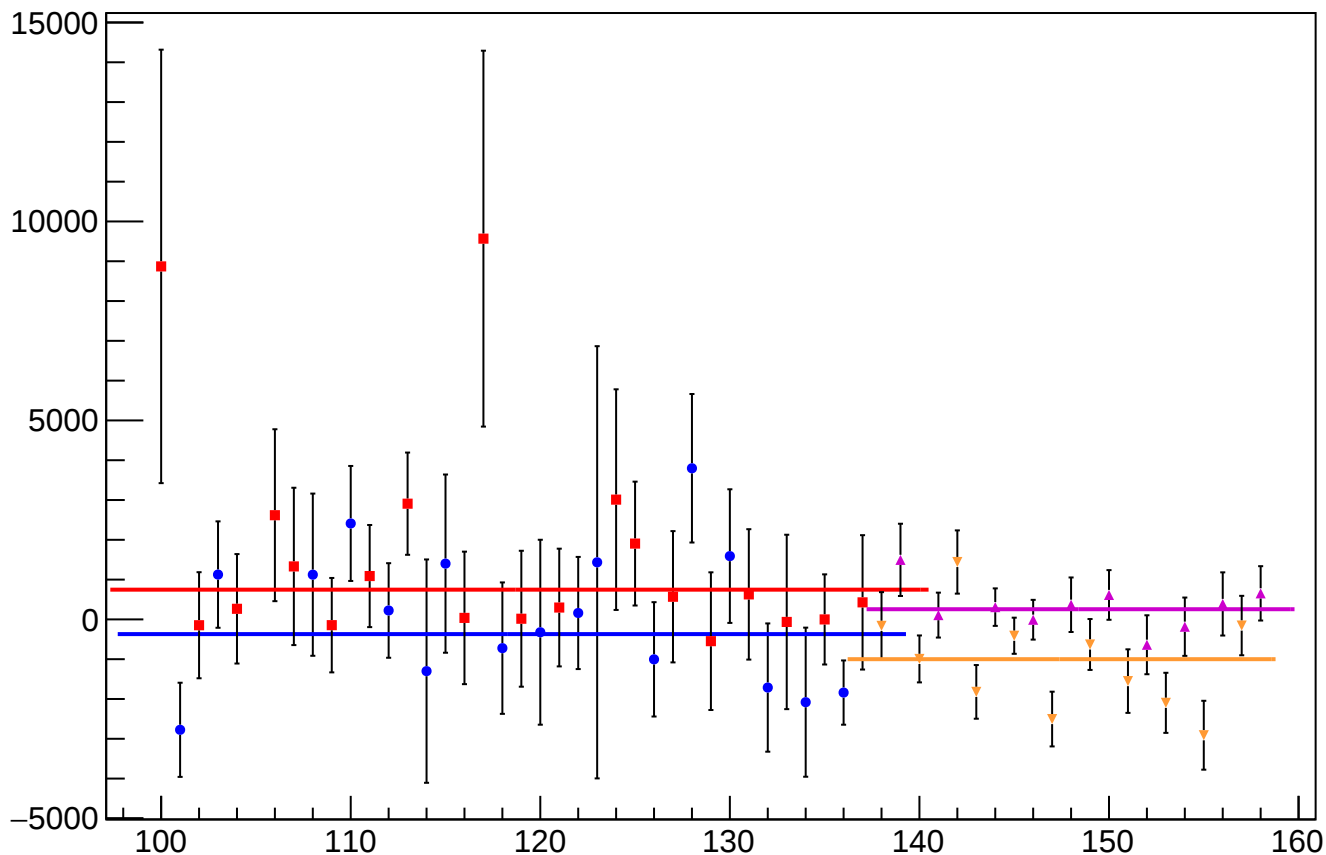
Left In: 61.333+/-0.015 χ^2/NDF :127122.5/9

63.753+/-0.012 χ^2/NDF : 613453.5/27

63.792+/-0.008 χ^2/NDF : 1201554.7/57

63.829+/-0.012 χ^2/NDF : 588080.3/29

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



Right In: -369.546 $\pm$ 366.432 χ^2 /NDF: 22.3/16

Left Out: -999.751 $\pm$ 204.501 χ^2 /NDF:27.4/10

Right Out: 747.208 $\pm$ 360.830 χ^2 /NDF: 13.4/19

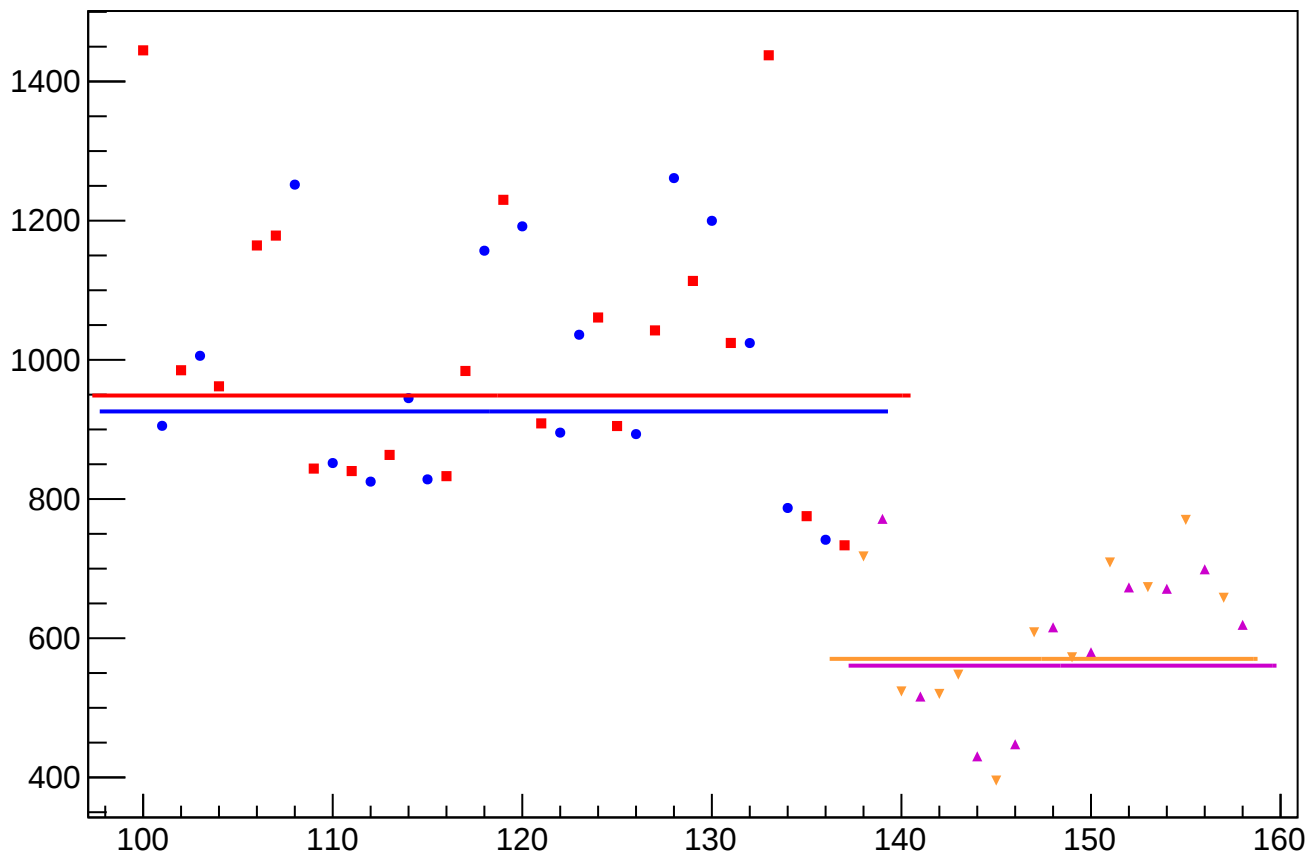
Left In: 255.743 $\pm$ 200.067 χ^2 /NDF:4.8/9

-850.083 $\pm$ 178.574 χ^2 /NDF: 52.0/27

-226.944 $\pm$ 124.977 χ^2 /NDF: 95.5/57

371.306 $\pm$ 174.971 χ^2 /NDF: 19.6/29

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



Right In: 925.885 $\pm$ 0.259 χ^2 /NDF: 391084.5/16

Left Out: 570.357 $\pm$ 0.145 χ^2 /NDF: 617754.9/10

Right Out: 948.760 $\pm$ 0.255 χ^2 /NDF: 382044.0/19

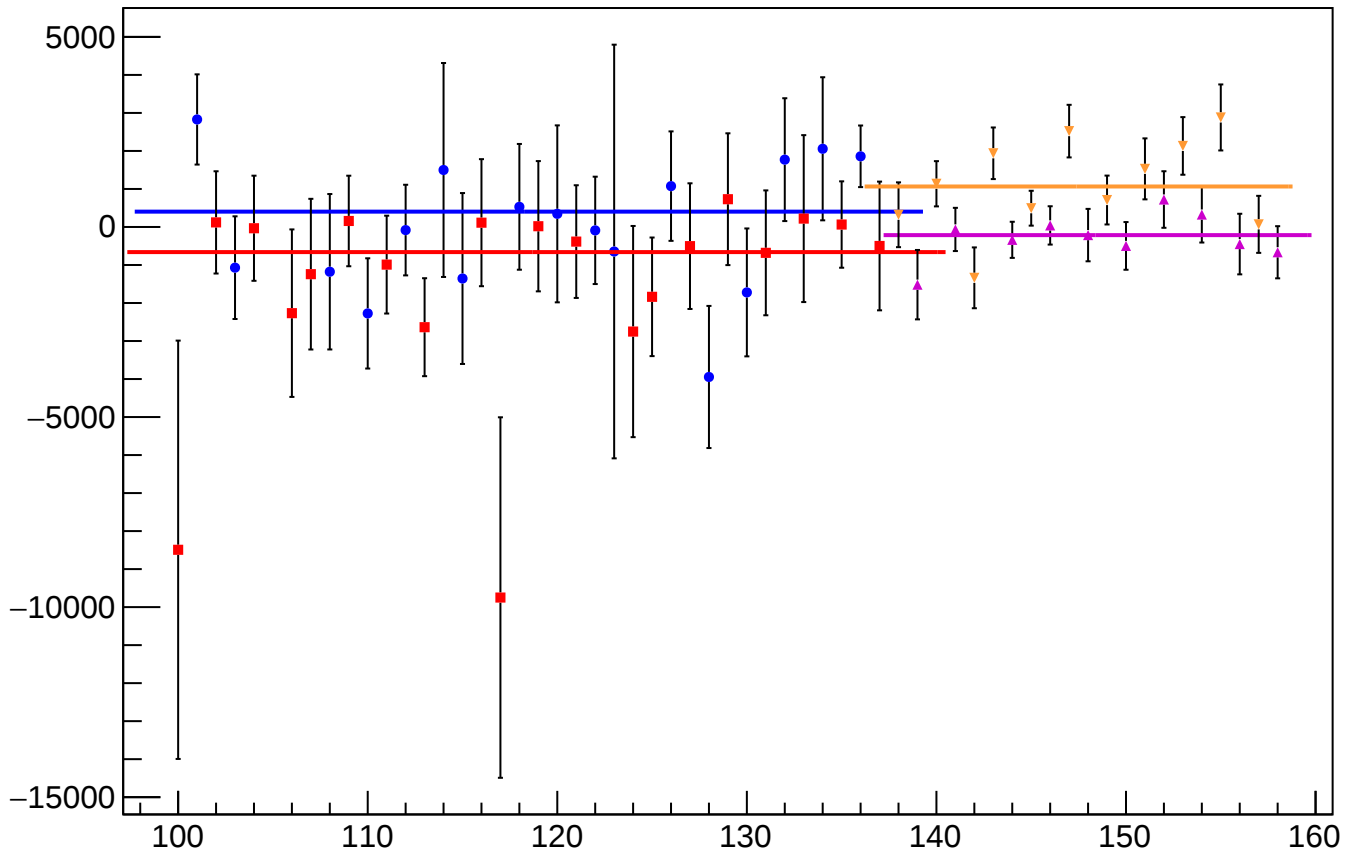
Left In: 560.602 $\pm$ 0.141 χ^2 /NDF: 557607.5/9

654.792 $\pm$ 0.126 χ^2 /NDF: 2444439.5/27

653.303 $\pm$ 0.088 χ^2 /NDF: 5154564.9/57

651.874 $\pm$ 0.124 χ^2 /NDF: 2709852.9/29

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 403.591+/-367.686 χ^2/NDF : 22.4/16

Left Out: 1065.155+/-205.848 χ^2/NDF : 26.2/10

Right Out: -660.630+/-362.265 χ^2/NDF : 12.5/19

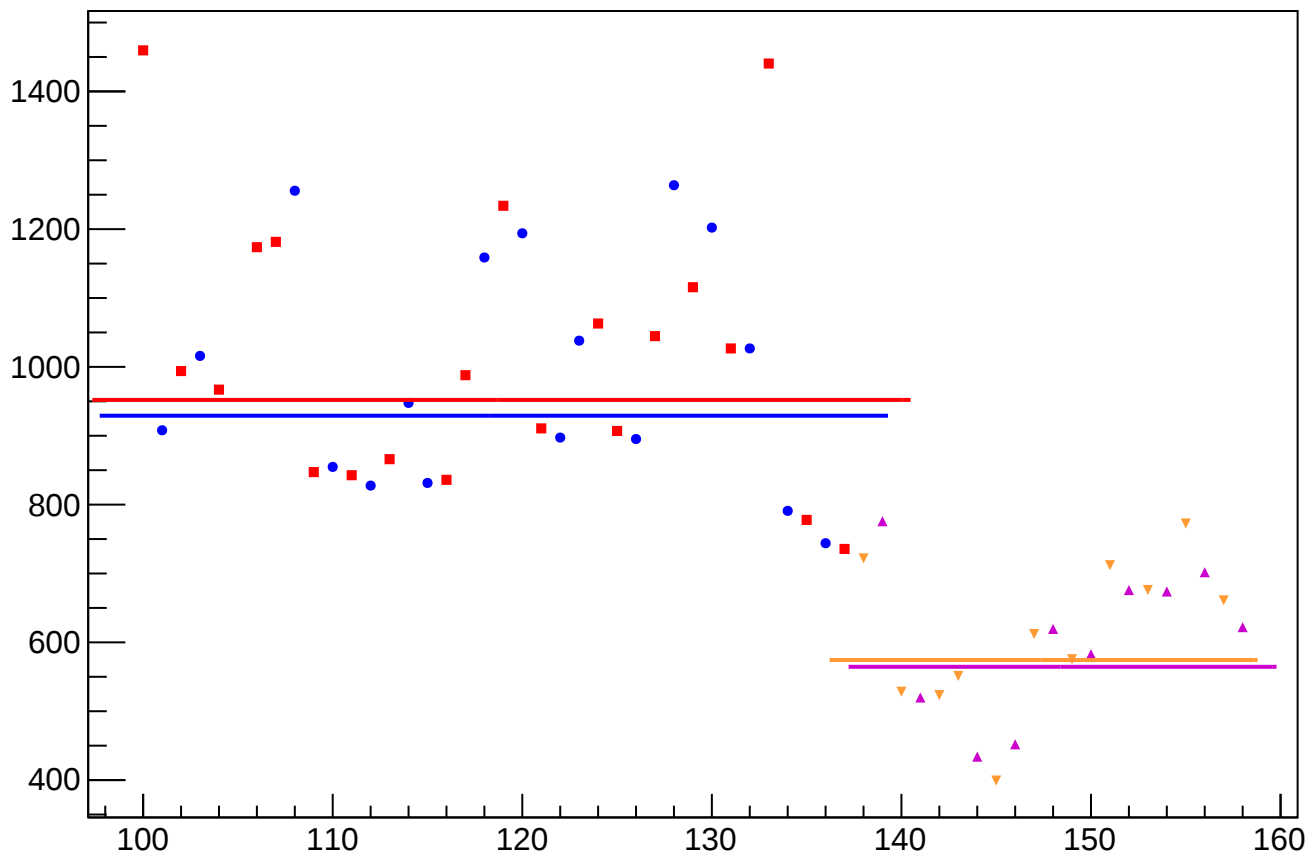
Left In: -214.293+/-201.380 χ^2/NDF : 5.3/9

907.283+/-179.615 χ^2/NDF : 51.1/27

281.385+/-125.714 χ^2/NDF : 93.8/57

-319.658+/-176.013 χ^2/NDF : 19.0/29

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 929.096 $\pm$ 0.260 χ^2/NDF : 390292.1/16

Left Out: 574.333 $\pm$ 0.146 χ^2/NDF : 605845.3/10

Right Out: 952.057 $\pm$ 0.256 χ^2/NDF : 382334.5/19

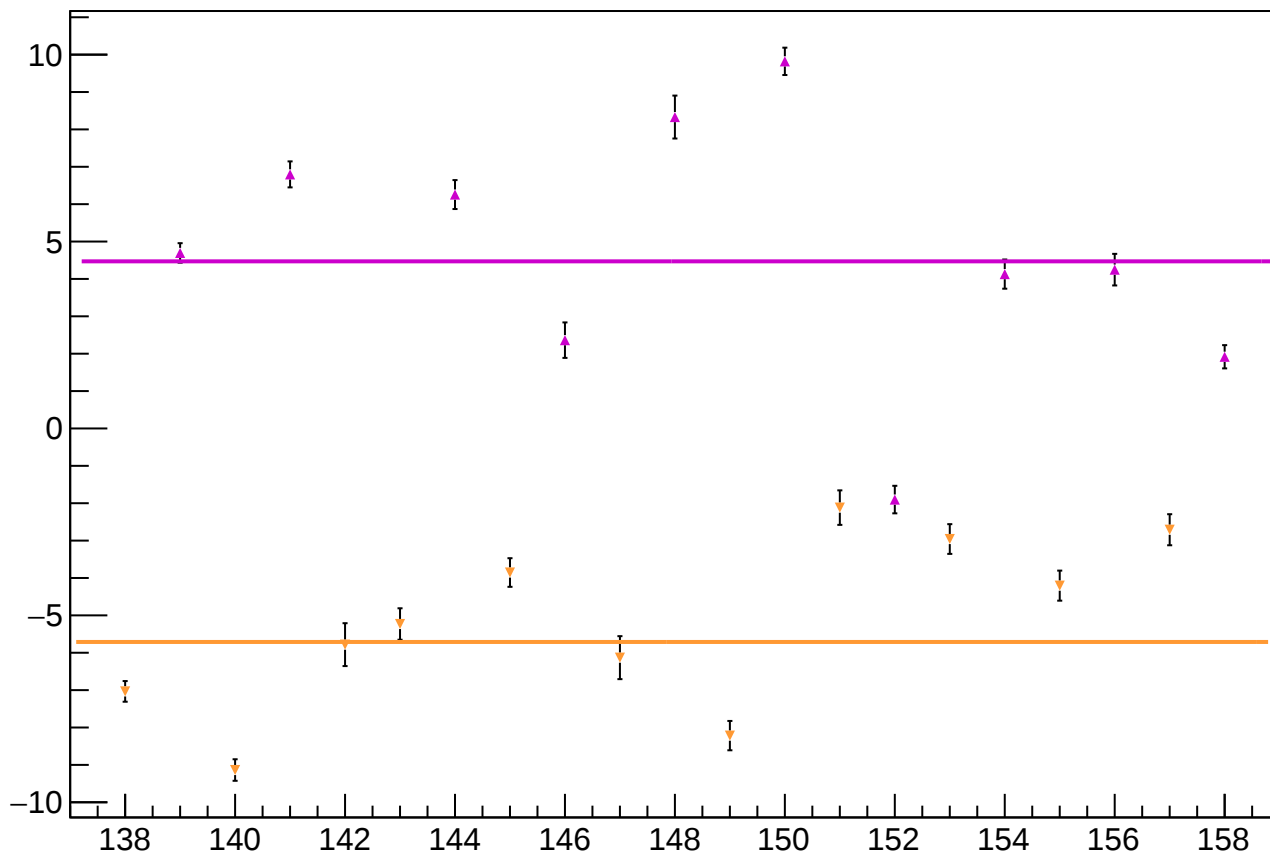
Left In: 564.490 $\pm$ 0.142 χ^2/NDF : 546913.9/9

658.991 $\pm$ 0.127 χ^2/NDF : 2413719.4/27

657.456 $\pm$ 0.089 χ^2/NDF : 5091999.5/57

655.981 $\pm$ 0.124 χ^2/NDF : 2677993.6/29

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



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

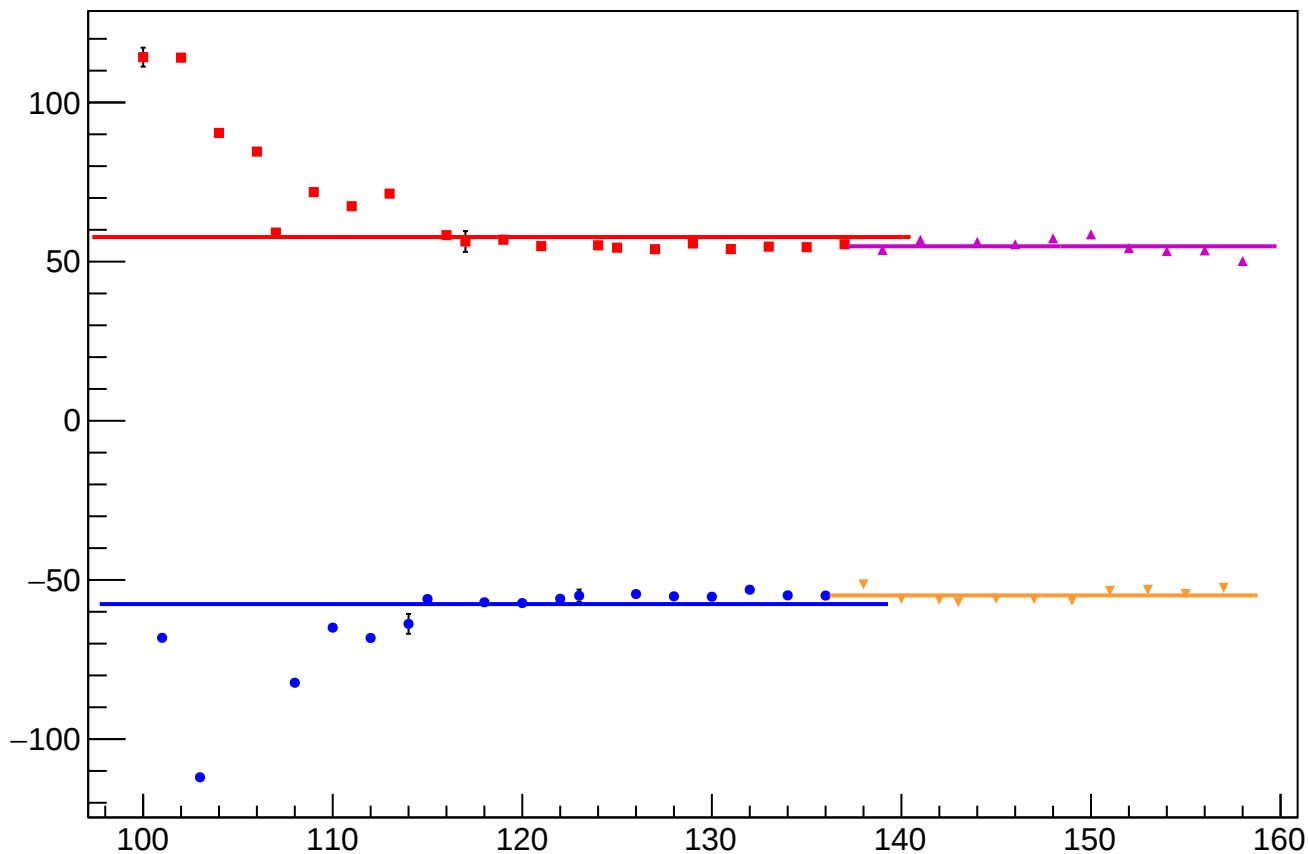
Left In: 4.470+/-0.116 χ^2/NDF : 713.5/9

-5.711+/-0.117 χ^2/NDF : 405.2/10

-0.575+/-0.082 χ^2/NDF : 4944.4/20

4.470+/-0.116 χ^2/NDF : 713.5/9

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.581 ± 0.143 χ^2/NDF : 3455.5/16

Left Out: -54.848 ± 0.086 χ^2/NDF : 408.2/10

Right Out: 57.730 ± 0.143 χ^2/NDF : 4698.7/19

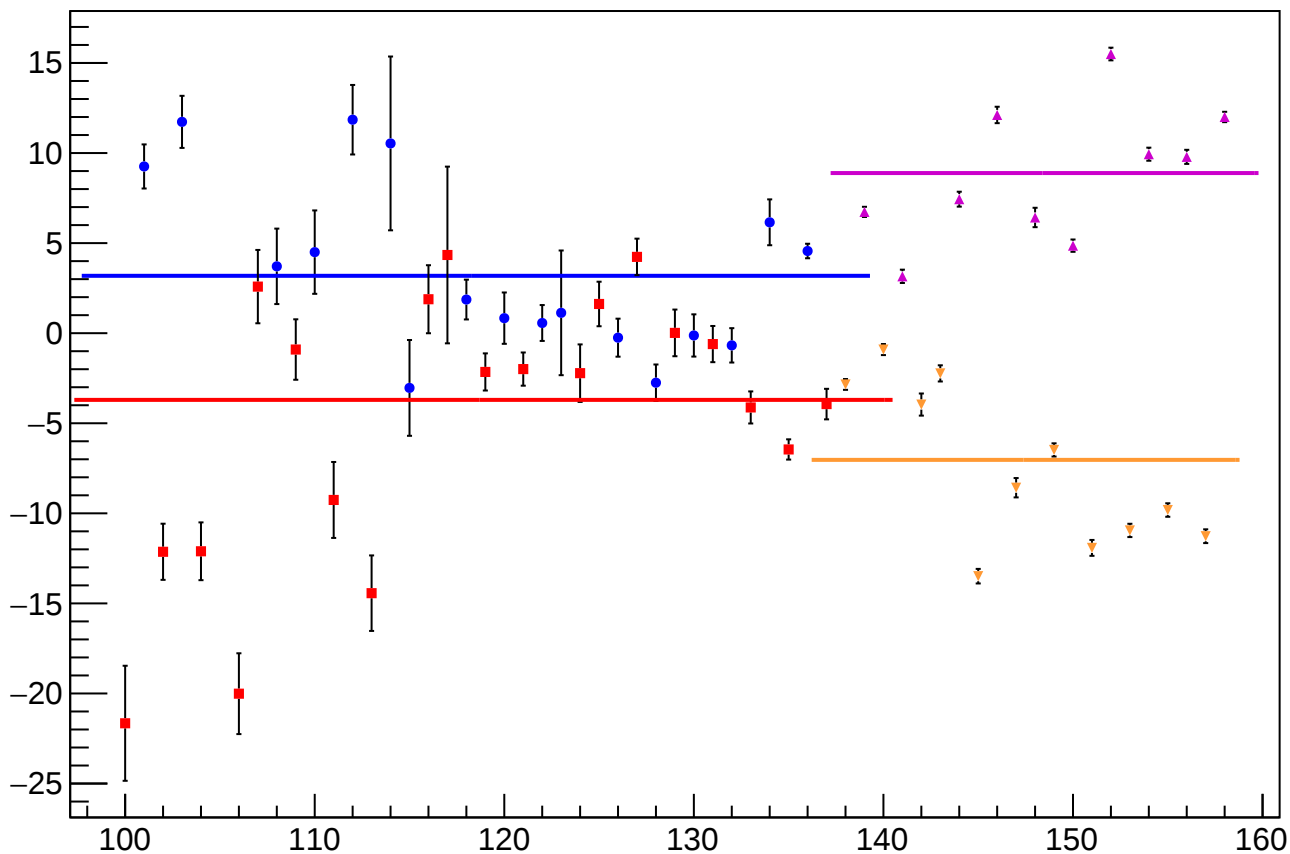
Left In: 54.824 ± 0.087 χ^2/NDF : 916.4/9

-55.579 ± 0.074 χ^2/NDF : 4131.0/27

-0.206 ± 0.052 χ^2/NDF : 1135229.8/57

55.610 ± 0.074 χ^2/NDF : 5916.9/29

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.185 ± 0.259 χ^2/NDF : 185.8/16

Left Out: -7.032 ± 0.117 χ^2/NDF : 1410.5/10

Right Out: -3.702 ± 0.267 χ^2/NDF : 326.8/19

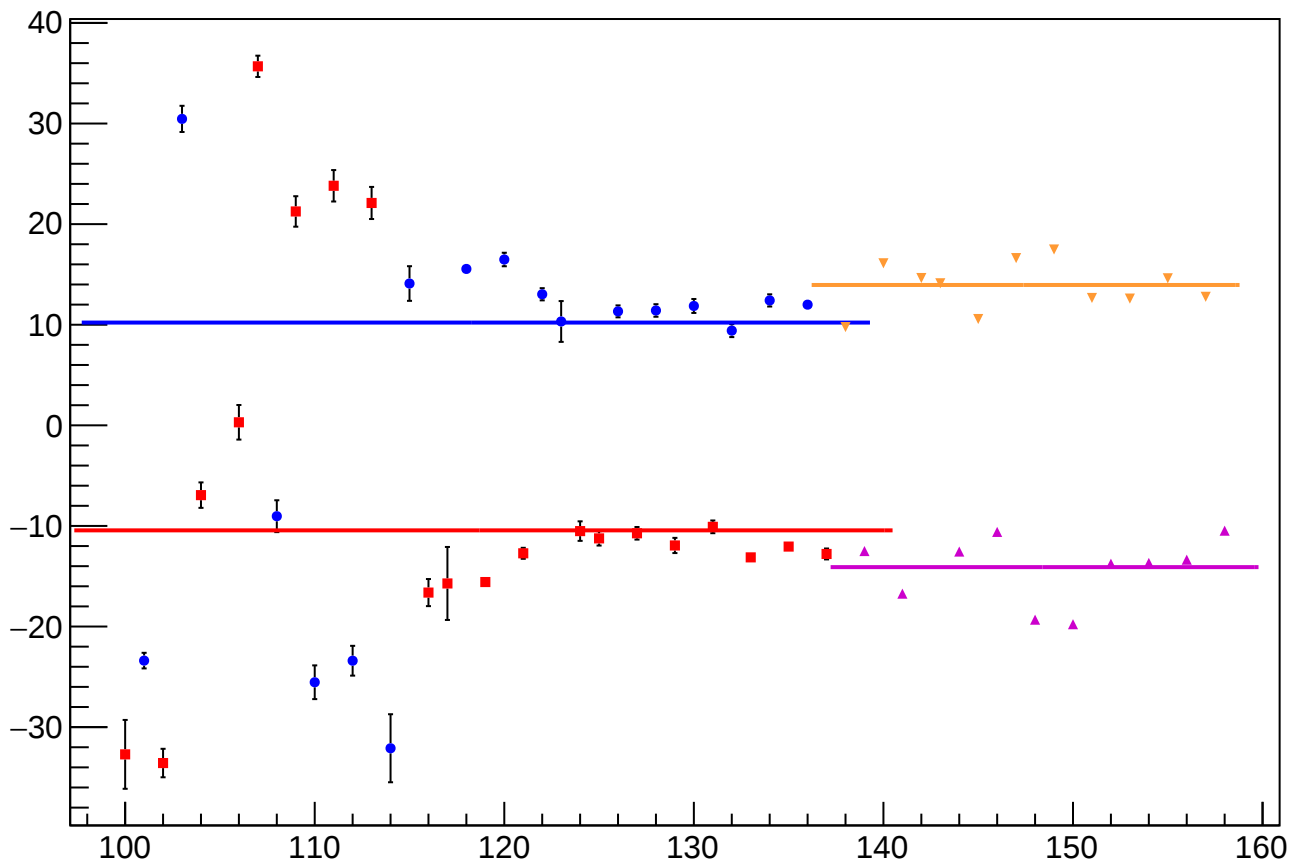
Left In: 8.889 ± 0.114 χ^2/NDF : 1003.5/9

-5.295 ± 0.107 χ^2/NDF : 2888.0/27

0.932 ± 0.075 χ^2/NDF : 12778.9/57

6.946 ± 0.105 χ^2/NDF : 3208.9/29

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.215 $\pm$ 0.158 χ^2 /NDF: 3692.6/16

Left Out: 13.952 $\pm$ 0.103 χ^2 /NDF: 515.2/10

Right Out: -10.440 $\pm$ 0.160 χ^2 /NDF: 3829.1/19

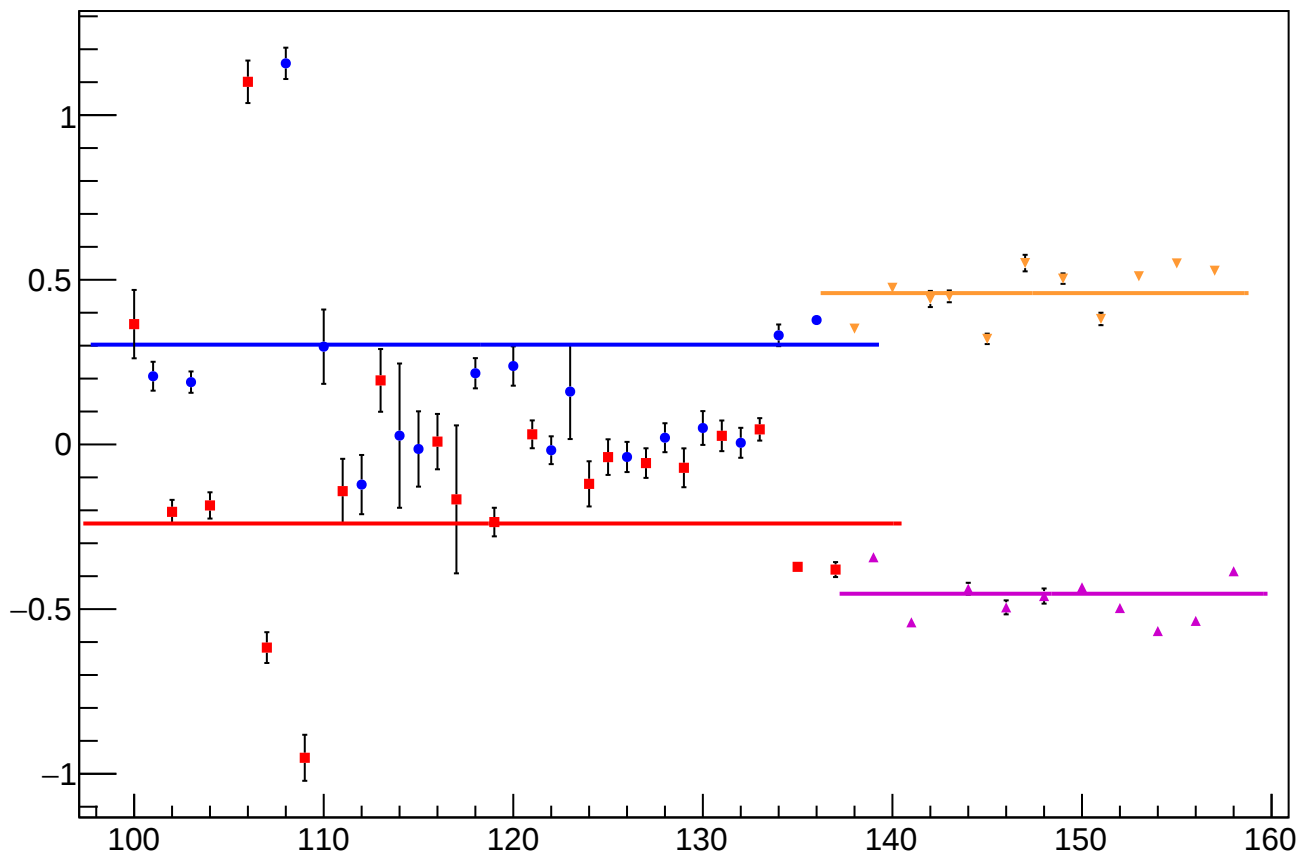
Left In: -14.094 $\pm$ 0.100 χ^2 /NDF: 1024.5/9

12.842 $\pm$ 0.086 χ^2 /NDF: 4600.7/27

-0.277 $\pm$ 0.061 χ^2 /NDF: 55592.6/57

-13.060 $\pm$ 0.085 χ^2 /NDF: 5228.0/29

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



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

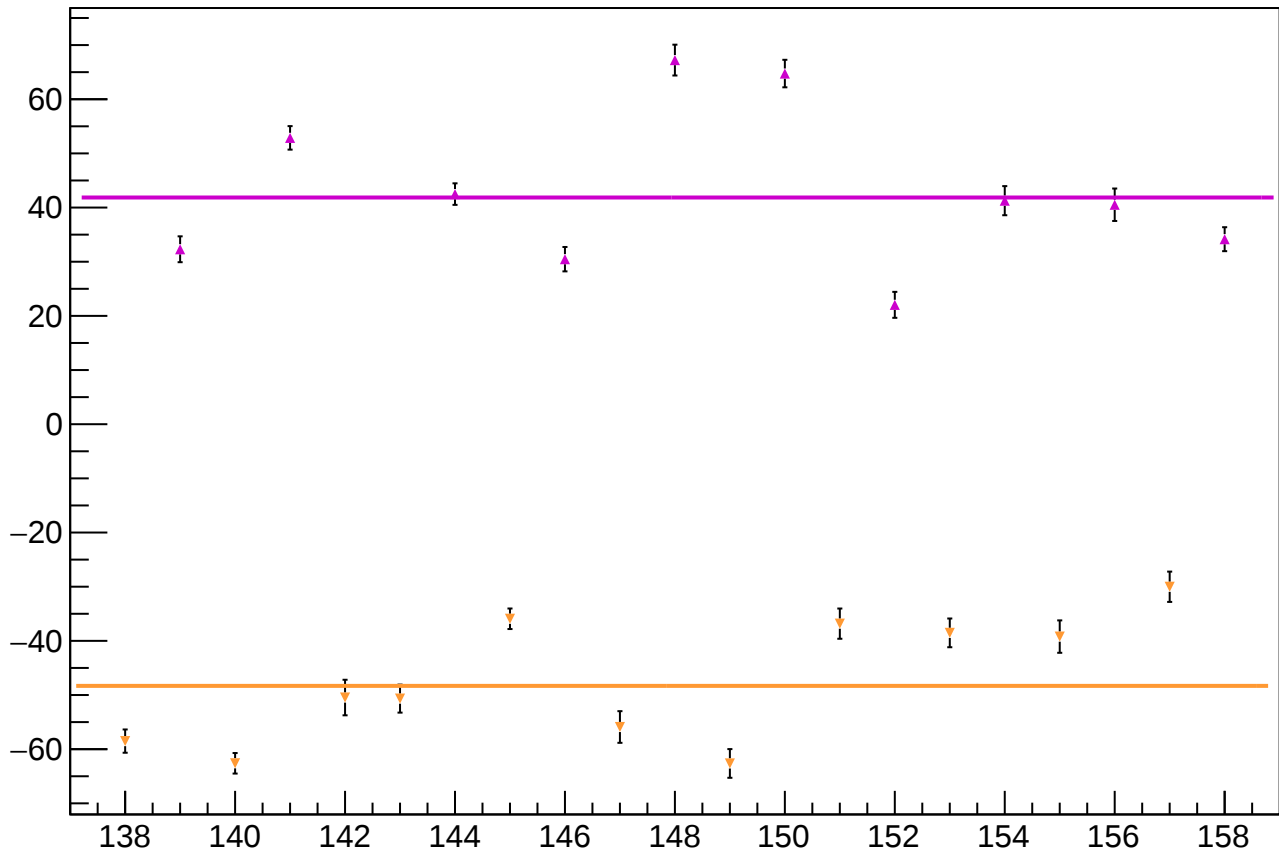
Left In: -0.453 $\pm$ 0.004 χ^2/NDF : 338.8/9

0.423 $\pm$ 0.004 χ^2/NDF : 1219.6/27

-0.007 $\pm$ 0.003 χ^2/NDF : 25490.4/57

-0.409 $\pm$ 0.004 χ^2/NDF : 1821.1/29

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -48.311+/-0.749 χ^2/NDF : 241.9/10

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

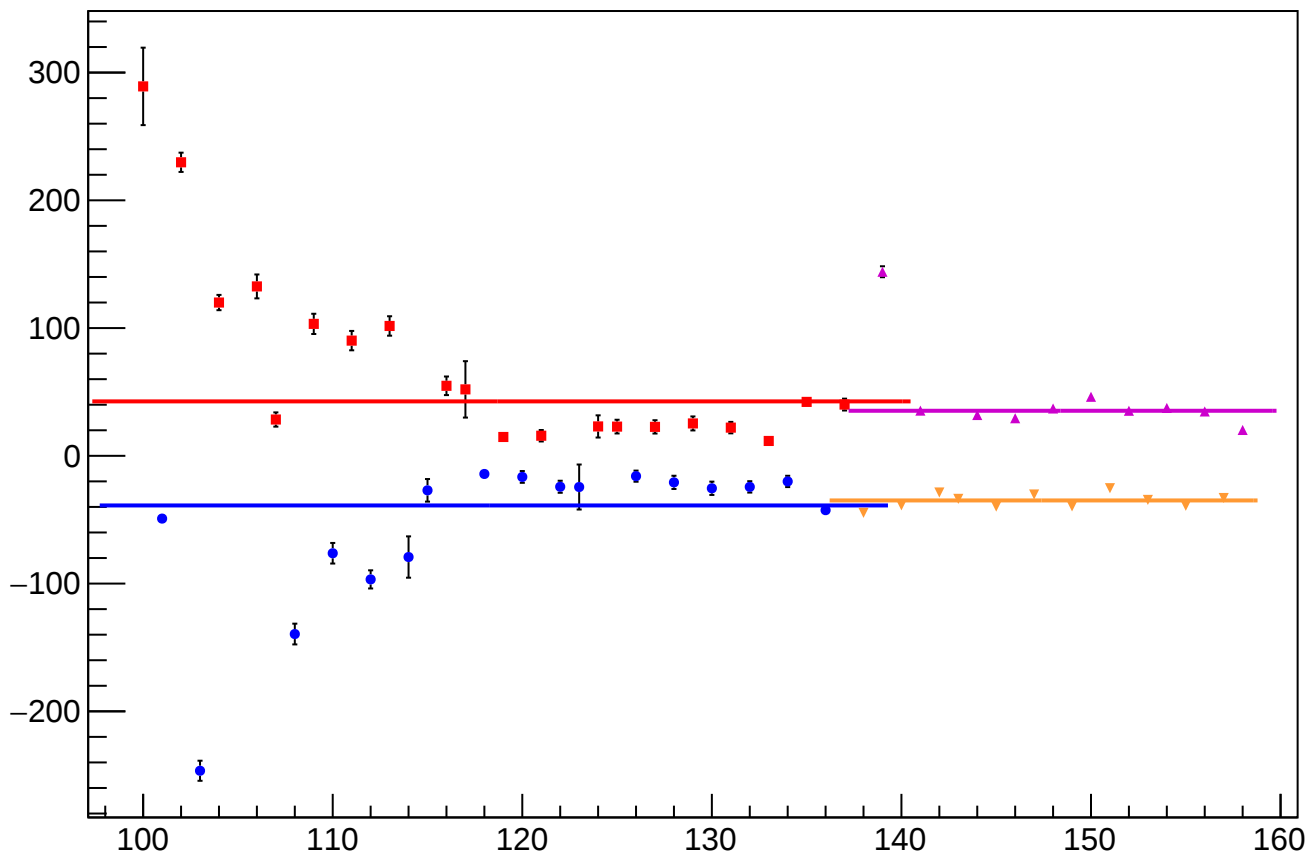
Left In: 41.856+/-0.757 χ^2/NDF : 308.9/9

-48.311+/-0.749 χ^2/NDF : 241.9/10

-3.731+/-0.532 χ^2/NDF : 7724.9/20

41.856+/-0.757 χ^2/NDF : 308.9/9

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -38.844 ± 1.148 χ^2/NDF : 1121.9/16

Left Out: -34.922 ± 0.524 χ^2/NDF : 104.3/10

Right Out: 42.614 ± 1.208 χ^2/NDF : 1345.9/19

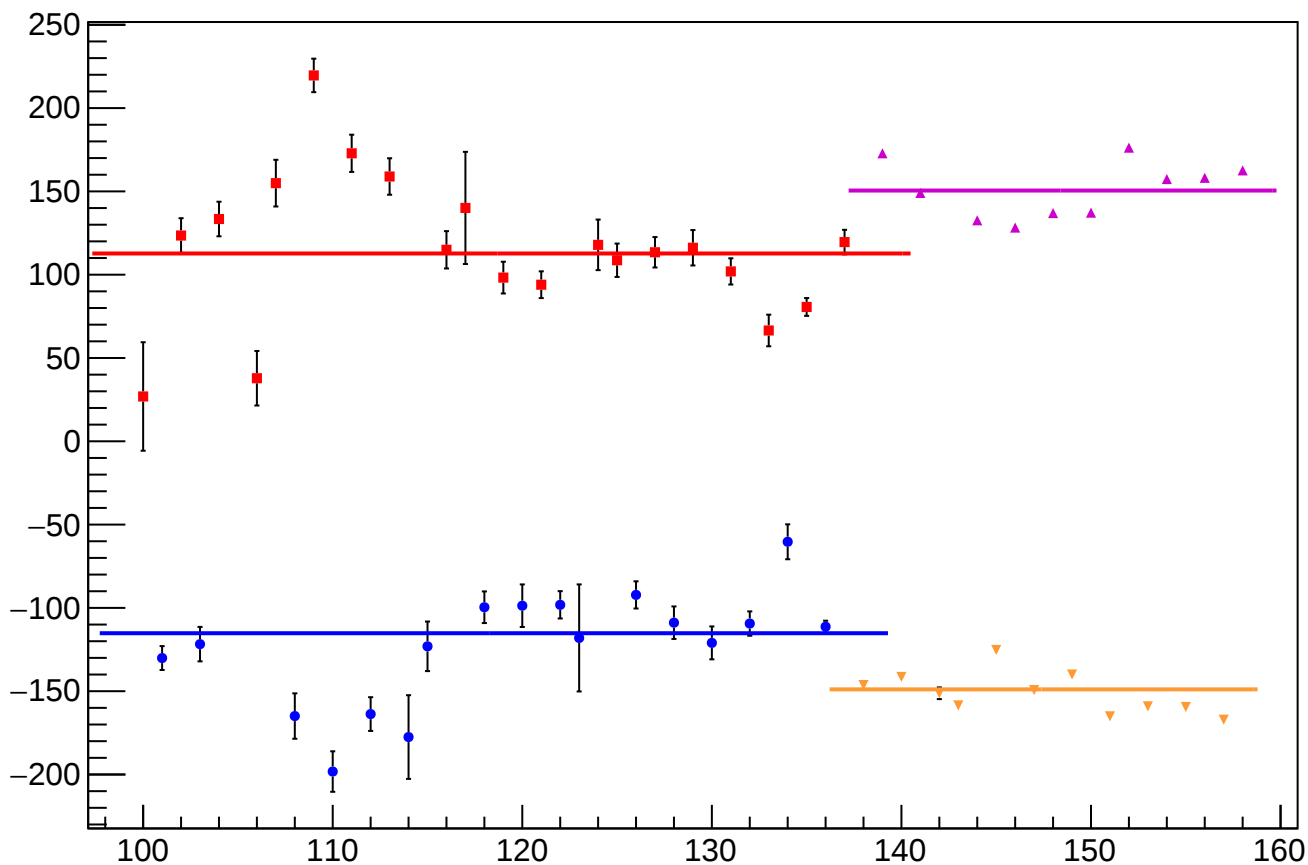
Left In: 35.267 ± 0.525 χ^2/NDF : 811.4/9

-35.599 ± 0.477 χ^2/NDF : 1235.9/27

0.082 ± 0.339 χ^2/NDF : 14717.8/57

36.434 ± 0.482 χ^2/NDF : 2188.4/29

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -115.199 ± 2.081 χ^2/NDF : 140.8/16

Left Out: -148.895 ± 0.752 χ^2/NDF : 296.2/10

Right Out: 112.729 ± 2.205 χ^2/NDF : 273.1/19

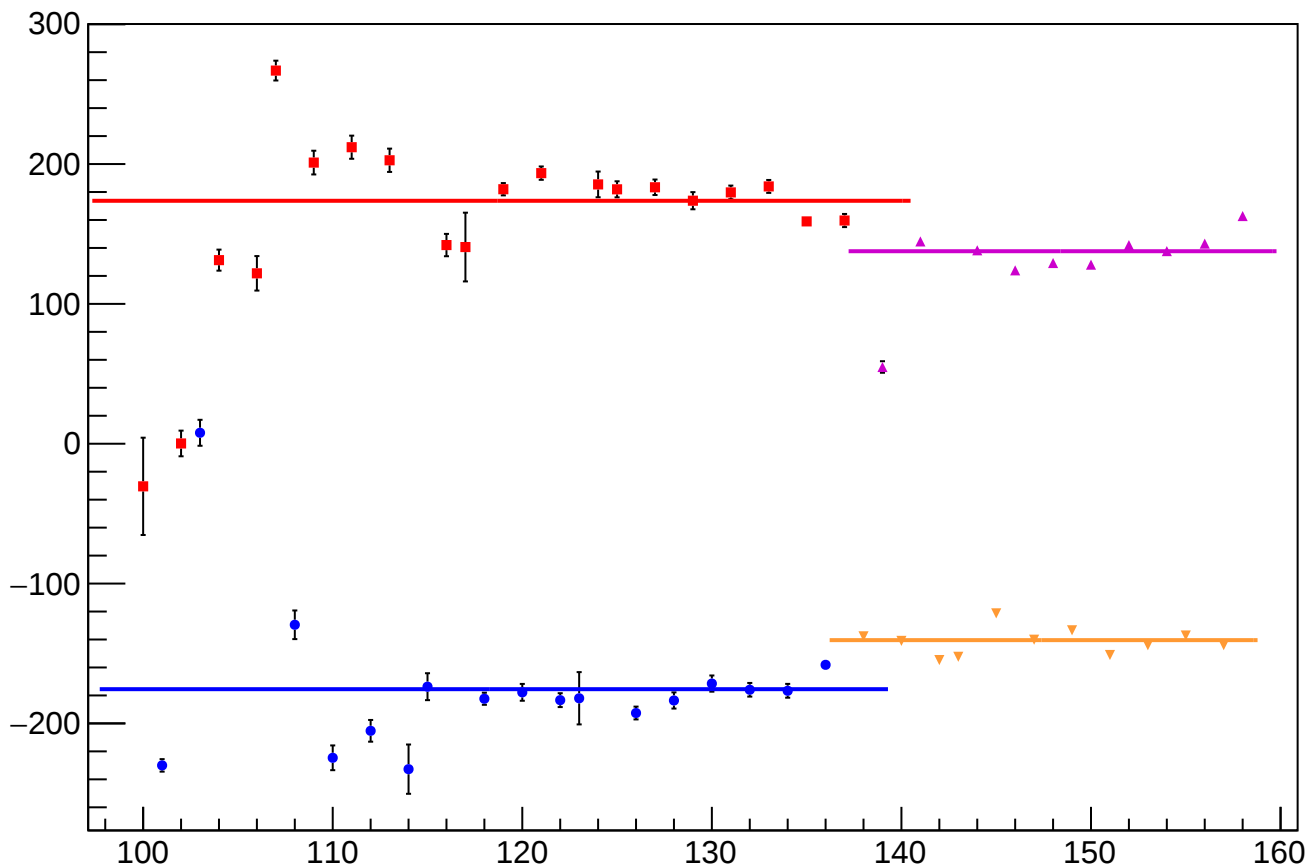
Left In: 150.510 ± 0.743 χ^2/NDF : 484.6/9

-145.006 ± 0.707 χ^2/NDF : 668.8/27

1.421 ± 0.499 χ^2/NDF : 87102.4/57

146.655 ± 0.704 χ^2/NDF : 1021.4/29

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



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

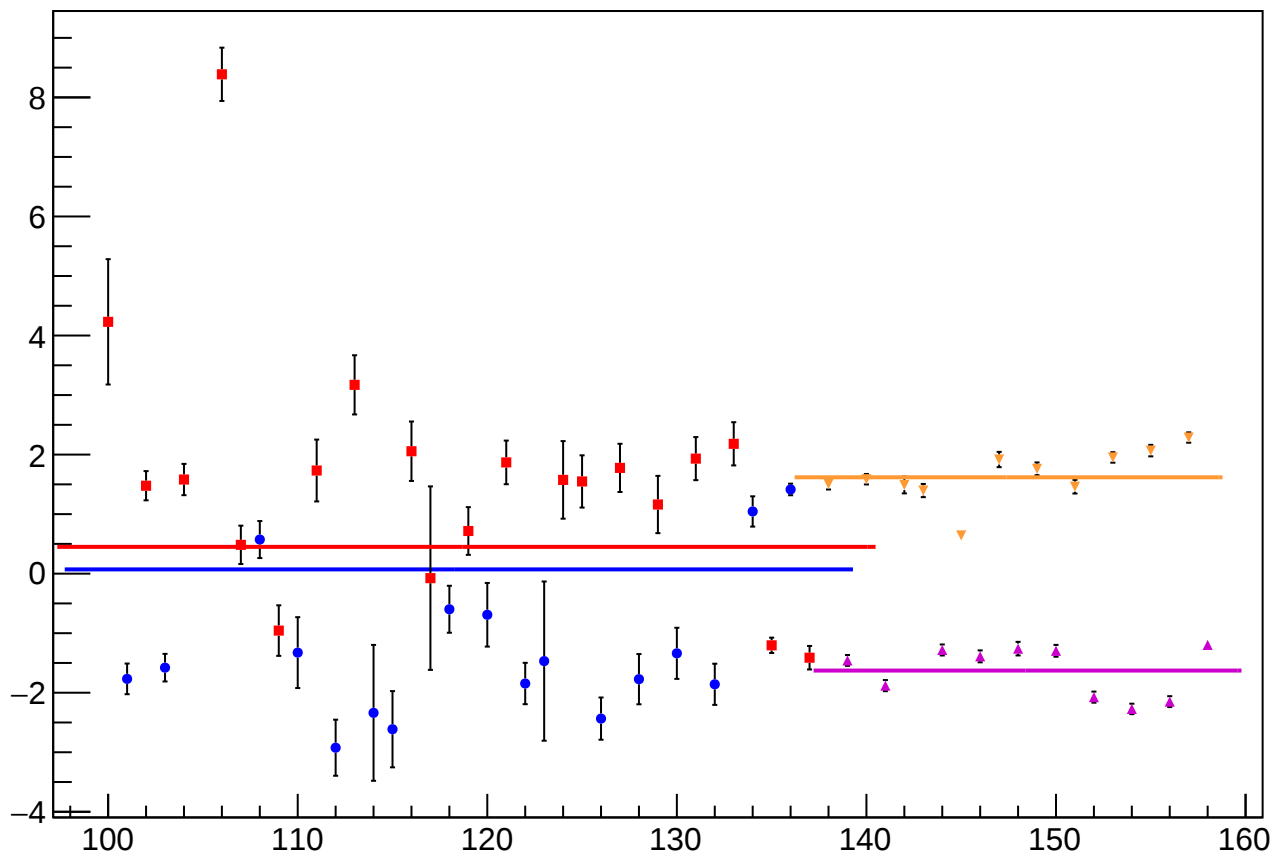
Left In: 137.662±/0.624 χ^2/NDF : 778.4/9

-147.394±/0.568 χ^2/NDF : 1523.8/27

-1.367±/0.401 χ^2/NDF : 135426.1/57

143.979±/0.567 χ^2/NDF : 2103.0/29

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.072+/-0.067 χ^2/NDF : 525.2/16

Left Out: 1.619+/-0.030 χ^2/NDF : 263.0/10

Right Out: 0.450+/-0.071 χ^2/NDF : 751.4/19

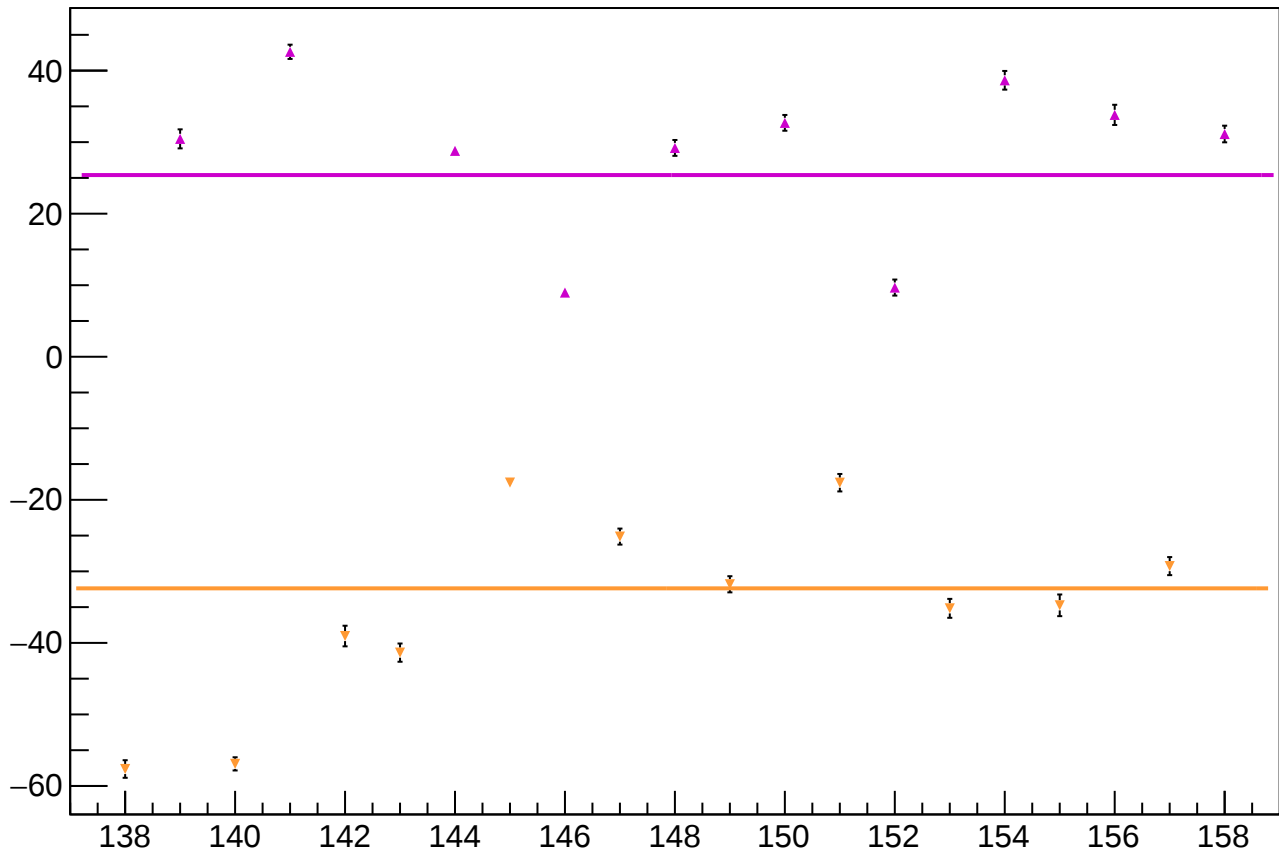
Left In: -1.628+/-0.029 χ^2/NDF : 196.1/9

1.365+/-0.027 χ^2/NDF : 1231.9/27

0.004+/-0.019 χ^2/NDF : 7864.4/57

-1.331+/-0.027 χ^2/NDF : 1676.5/29

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



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

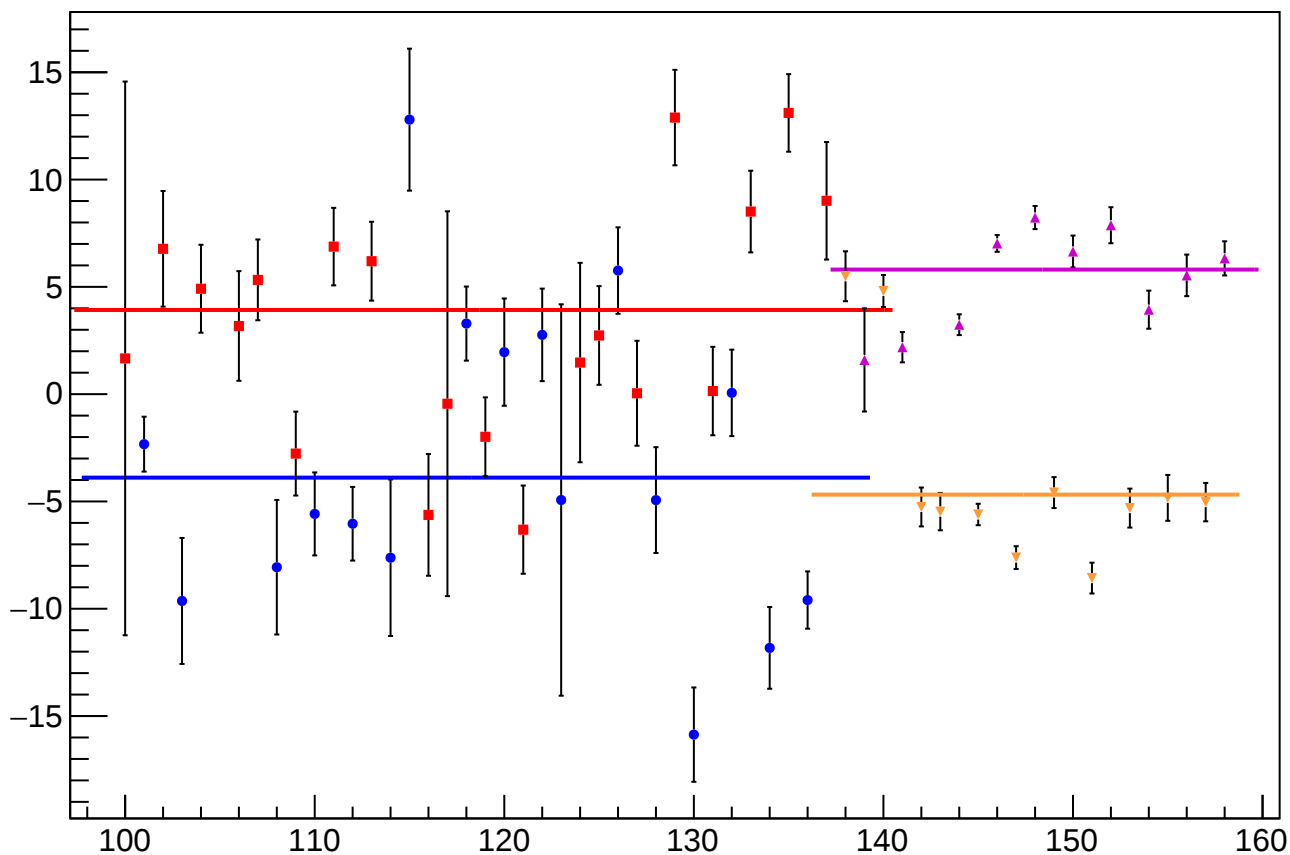
Left In: 25.398 +/- 0.309 χ^2/NDF : 1413.7/9

-32.375 +/- 0.325 χ^2/NDF : 1975.5/10

-2.035 +/- 0.224 χ^2/NDF : 19947.1/20

25.398 +/- 0.309 χ^2/NDF : 1413.7/9

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.890 ± 0.498 $\chi^2/\text{NDF}: 160.5/16$

Left Out: -4.682 ± 0.224 $\chi^2/\text{NDF}: 303.9/10$

Right Out: 3.923 ± 0.506 $\chi^2/\text{NDF}: 122.4/19$

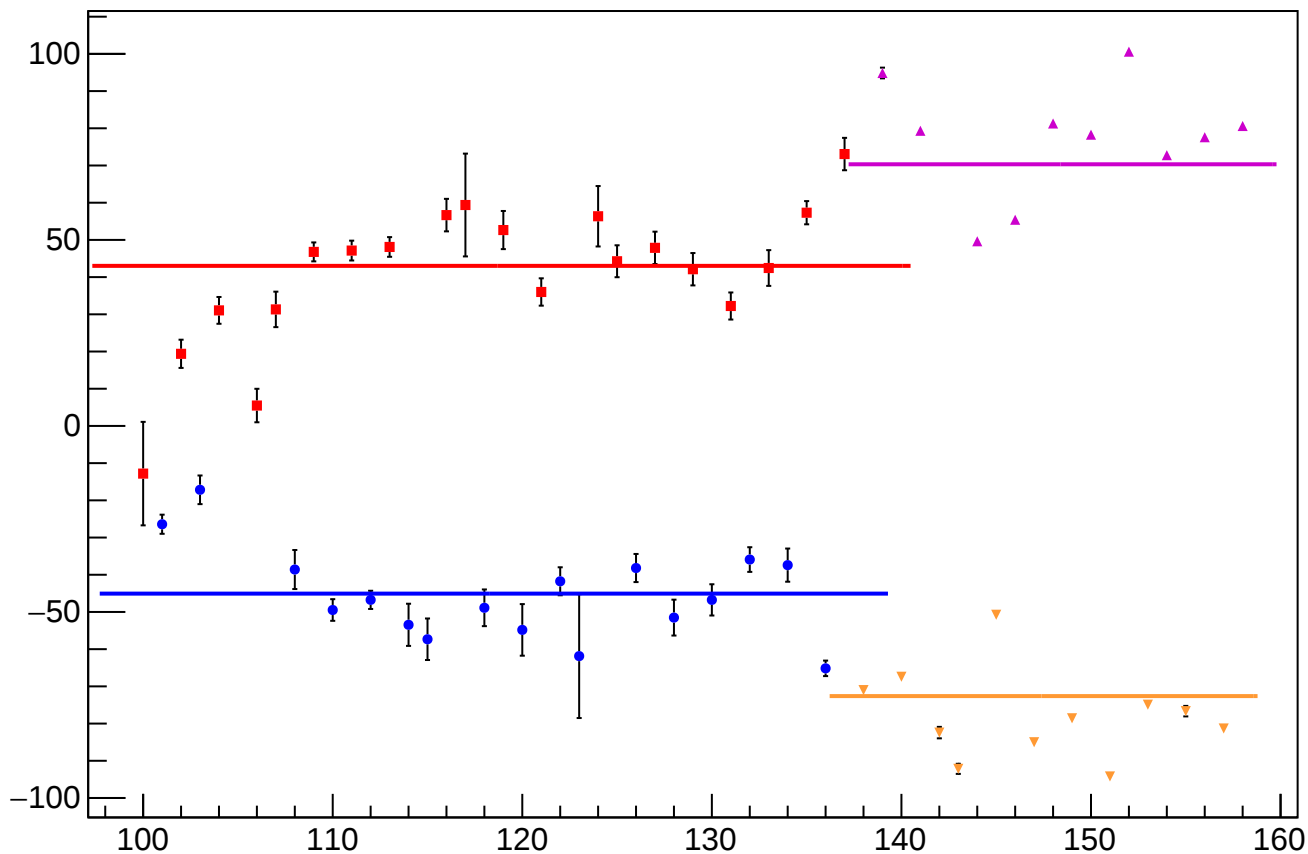
Left In: 5.805 ± 0.206 $\chi^2/\text{NDF}: 99.8/9$

-4.549 ± 0.205 $\chi^2/\text{NDF}: 466.5/27$

0.852 ± 0.139 $\chi^2/\text{NDF}: 2001.3/57$

5.538 ± 0.191 $\chi^2/\text{NDF}: 234.1/29$

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



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

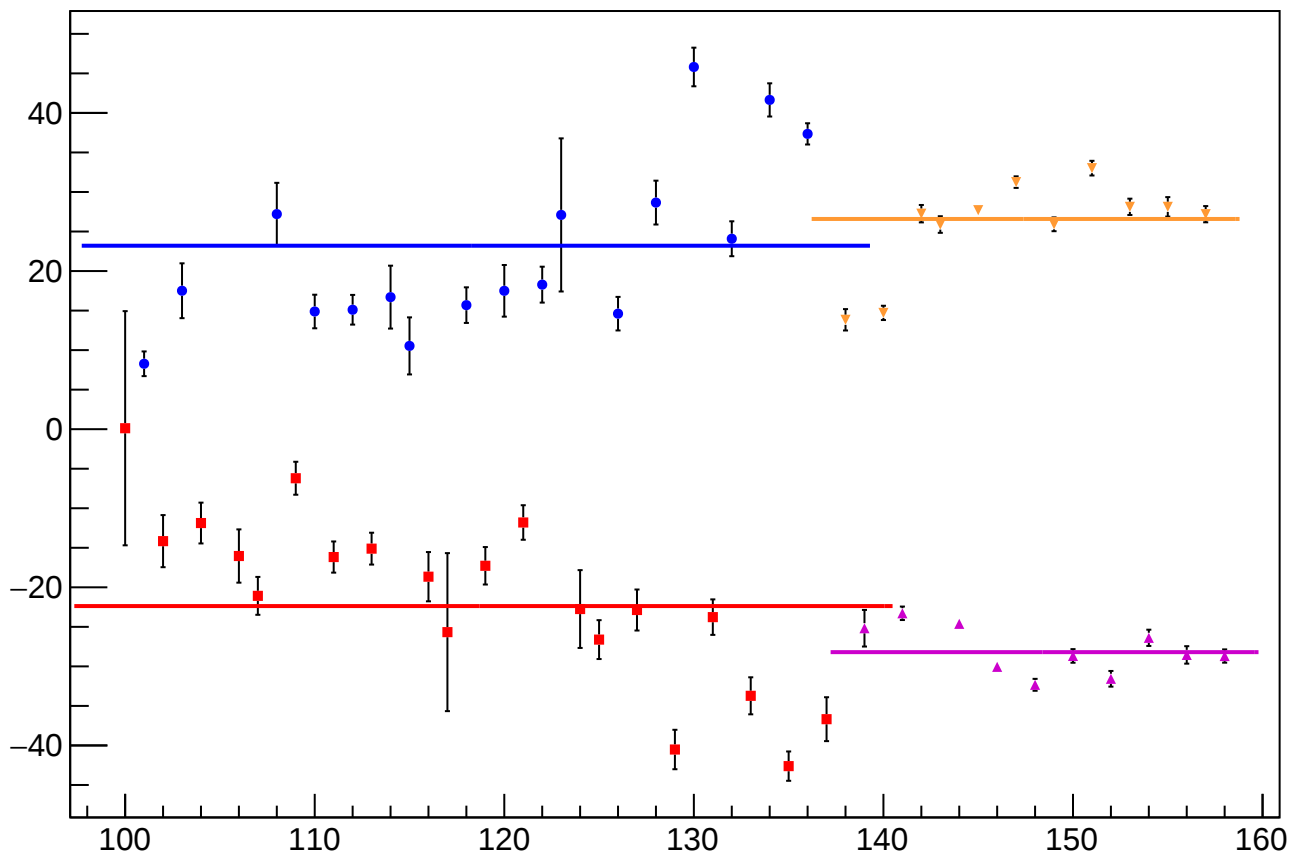
Left In: 70.327 ± 0.305 χ^2/NDF : 2854.8/9

-69.290 ± 0.307 χ^2/NDF : 3055.5/27

3.457 ± 0.210 χ^2/NDF : 112599.5/57

67.383 ± 0.288 χ^2/NDF : 3971.0/29

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.205 $\pm$ 0.559 χ^2 /NDF: 457.3/16

Left Out: 26.589 $\pm$ 0.273 χ^2 /NDF: 359.9/10

Right Out: -22.372 $\pm$ 0.572 χ^2 /NDF: 367.0/19

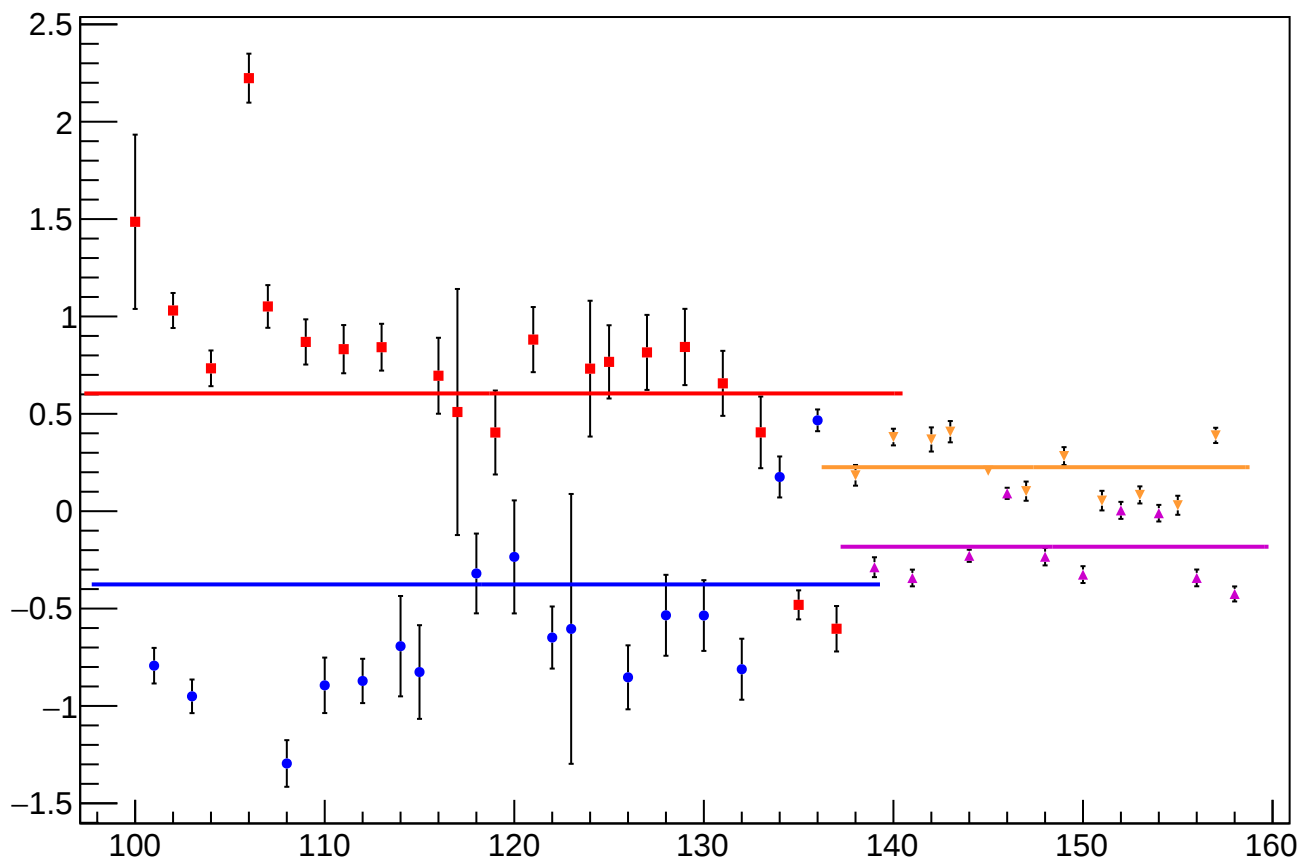
Left In: -28.199 $\pm$ 0.250 χ^2 /NDF: 133.4/9

25.936 $\pm$ 0.245 χ^2 /NDF: 846.8/27

-2.477 $\pm$ 0.167 χ^2 /NDF: 26548.8/57

-27.262 $\pm$ 0.229 χ^2 /NDF: 587.6/29

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.376 ± 0.030 $\chi^2/\text{NDF}: 437.3/16$

Left Out: 0.226 ± 0.013 $\chi^2/\text{NDF}: 93.9/10$

Right Out: 0.605 ± 0.030 $\chi^2/\text{NDF}: 551.2/19$

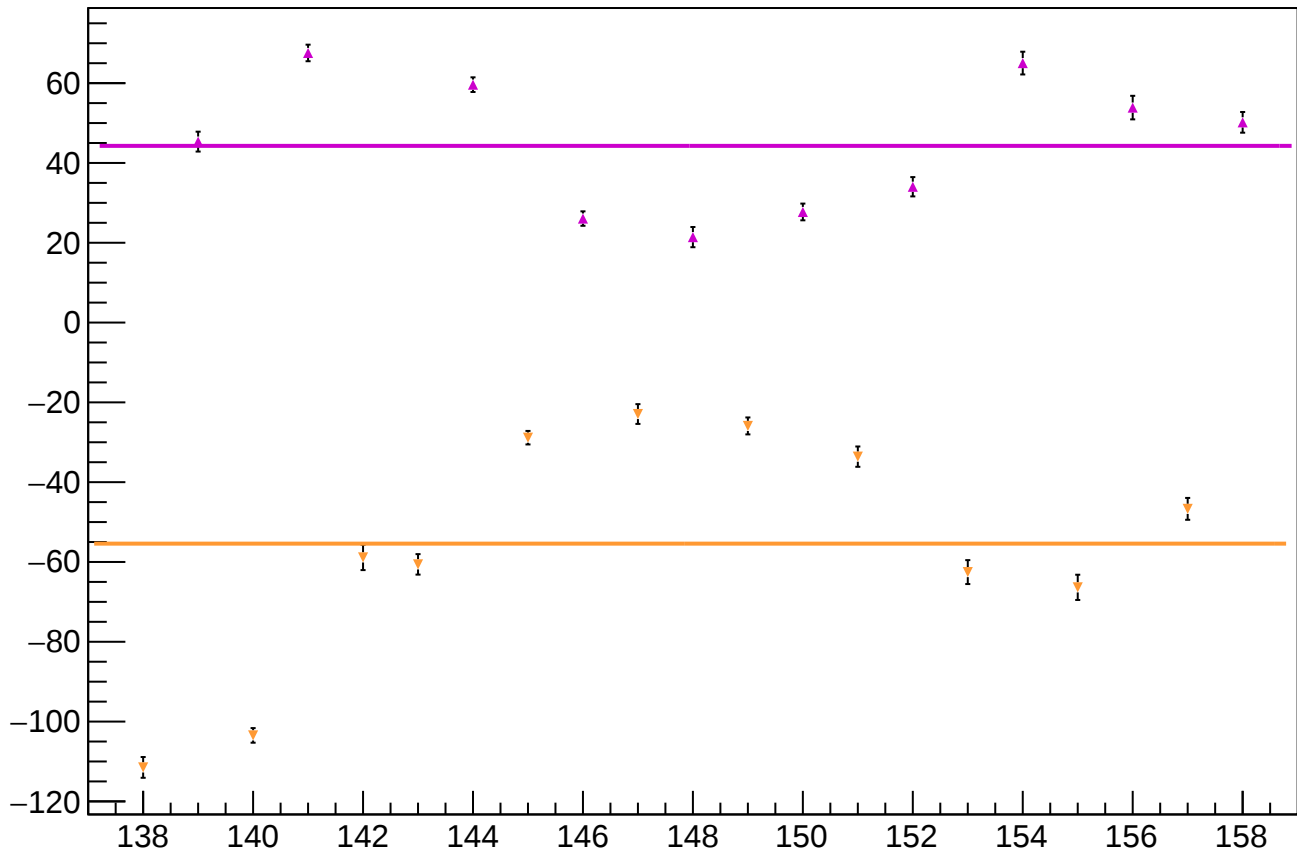
Left In: -0.182 ± 0.012 $\chi^2/\text{NDF}: 212.1/9$

0.131 ± 0.012 $\chi^2/\text{NDF}: 867.4/27$

0.027 ± 0.008 $\chi^2/\text{NDF}: 2356.8/57$

-0.069 ± 0.011 $\chi^2/\text{NDF}: 1344.7/29$

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -55.406+/-0.720 χ^2/NDF : 1867.9/10

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

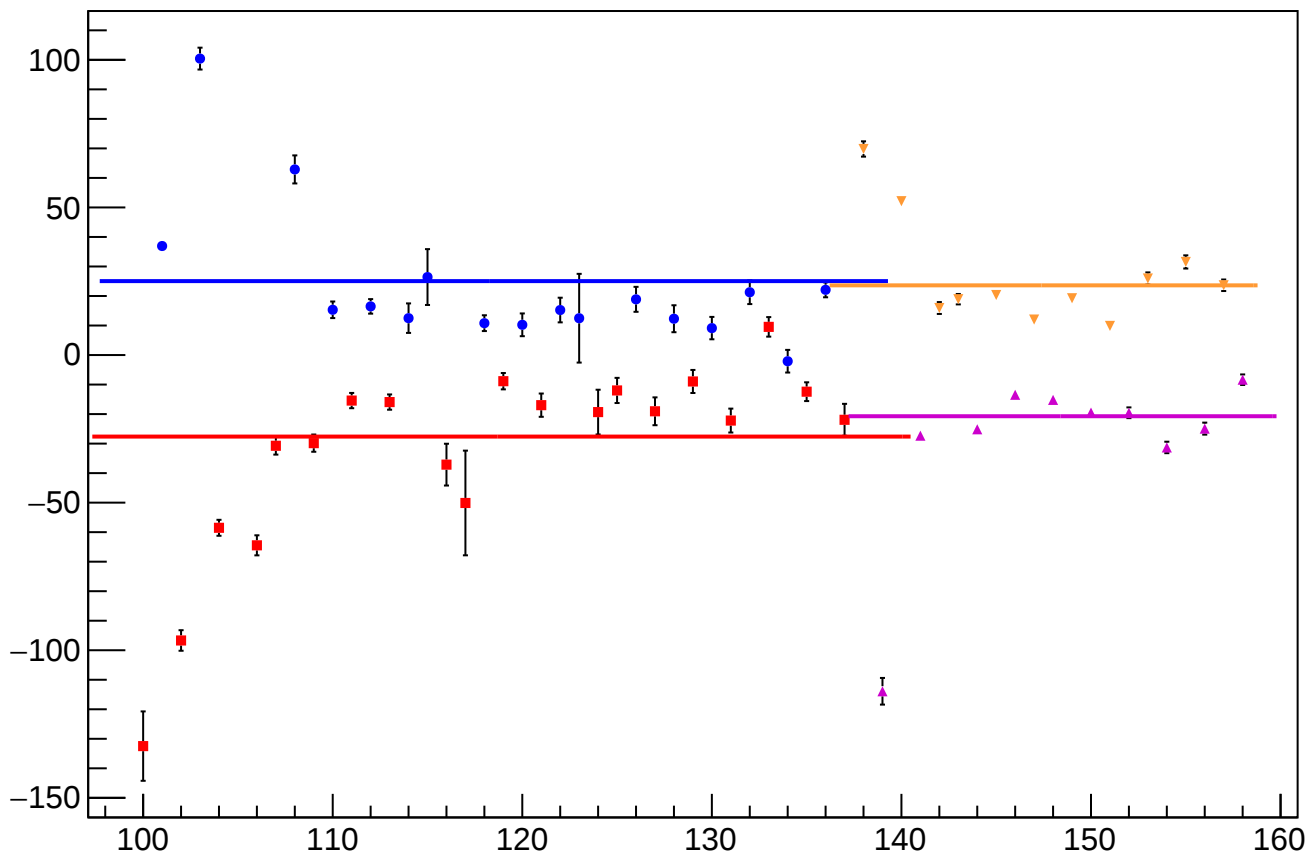
Left In: 44.282+/-0.719 χ^2/NDF : 527.8/9

-55.406+/-0.720 χ^2/NDF : 1867.9/10

-5.450+/-0.509 χ^2/NDF : 11992.0/20

44.282+/-0.719 χ^2/NDF : 527.8/9

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



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

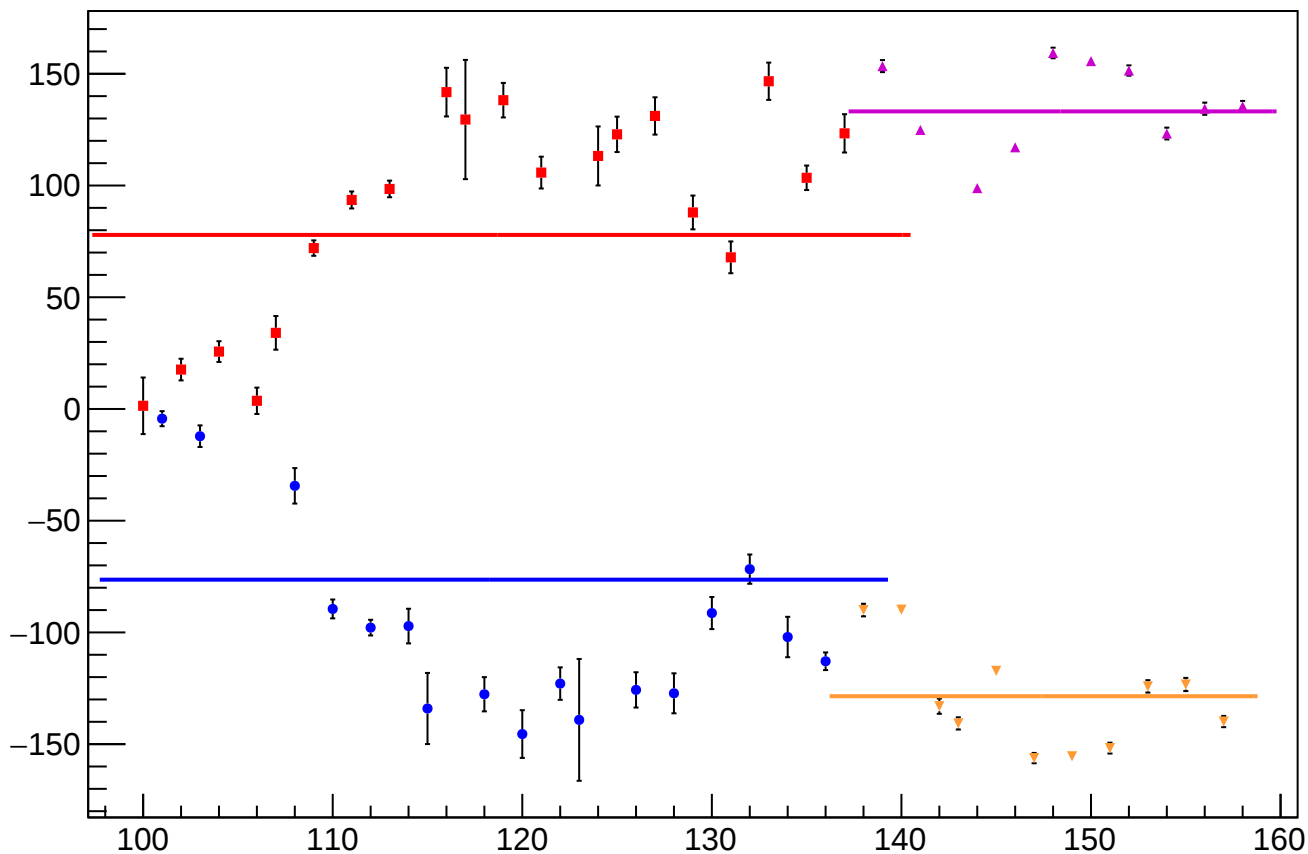
Left In: -20.727 $\pm$ 0.493 χ^2 /NDF: 599.7/9

24.005 $\pm$ 0.423 χ^2 /NDF: 1597.4/27

0.623 $\pm$ 0.298 χ^2 /NDF: 9362.4/57

-22.595 $\pm$ 0.421 χ^2 /NDF: 1667.0/29

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



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

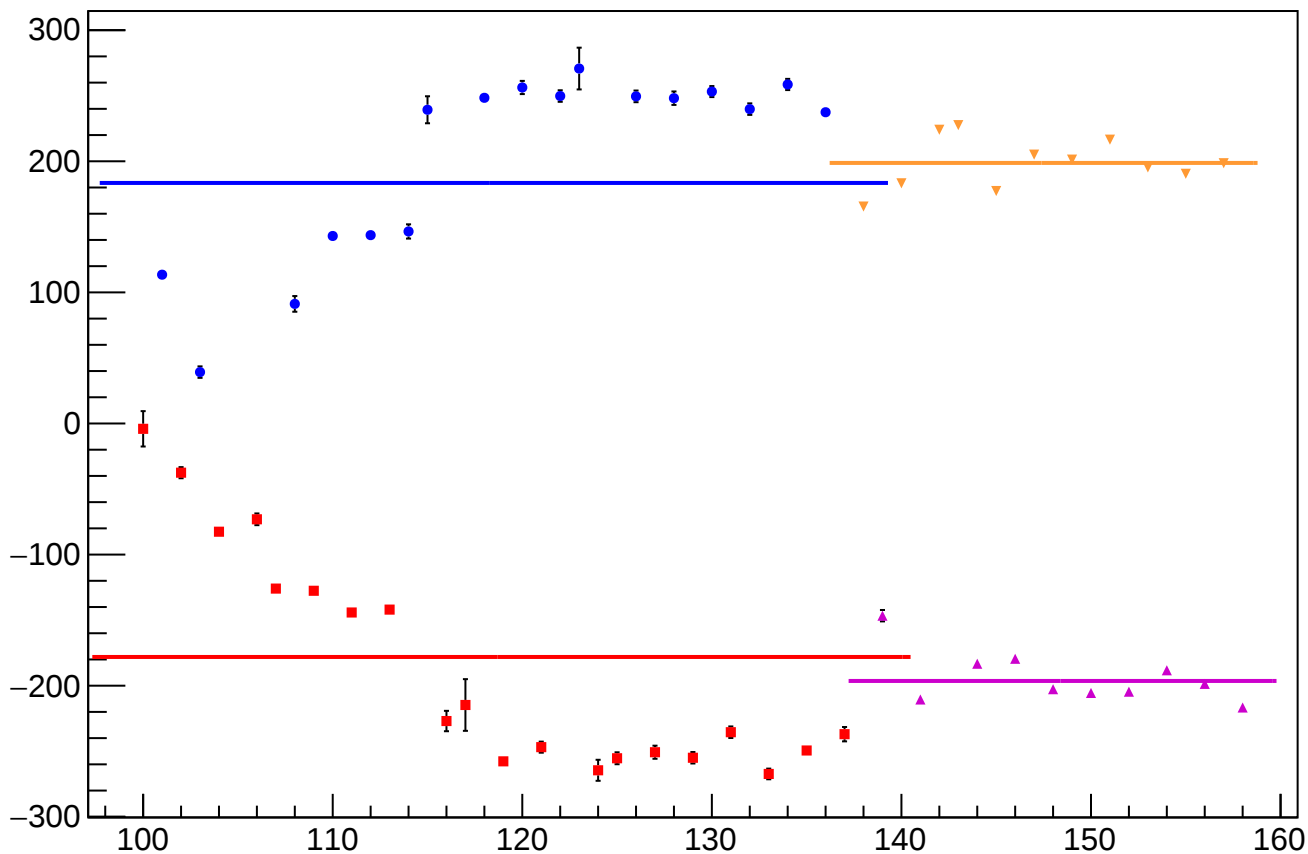
Left In: 133.171 ± 0.706 χ^2/NDF : 790.5/9

-117.835 ± 0.642 χ^2/NDF : 3194.9/27

4.778 ± 0.448 χ^2/NDF : 77374.9/57

121.317 ± 0.626 χ^2/NDF : 2981.8/29

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



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

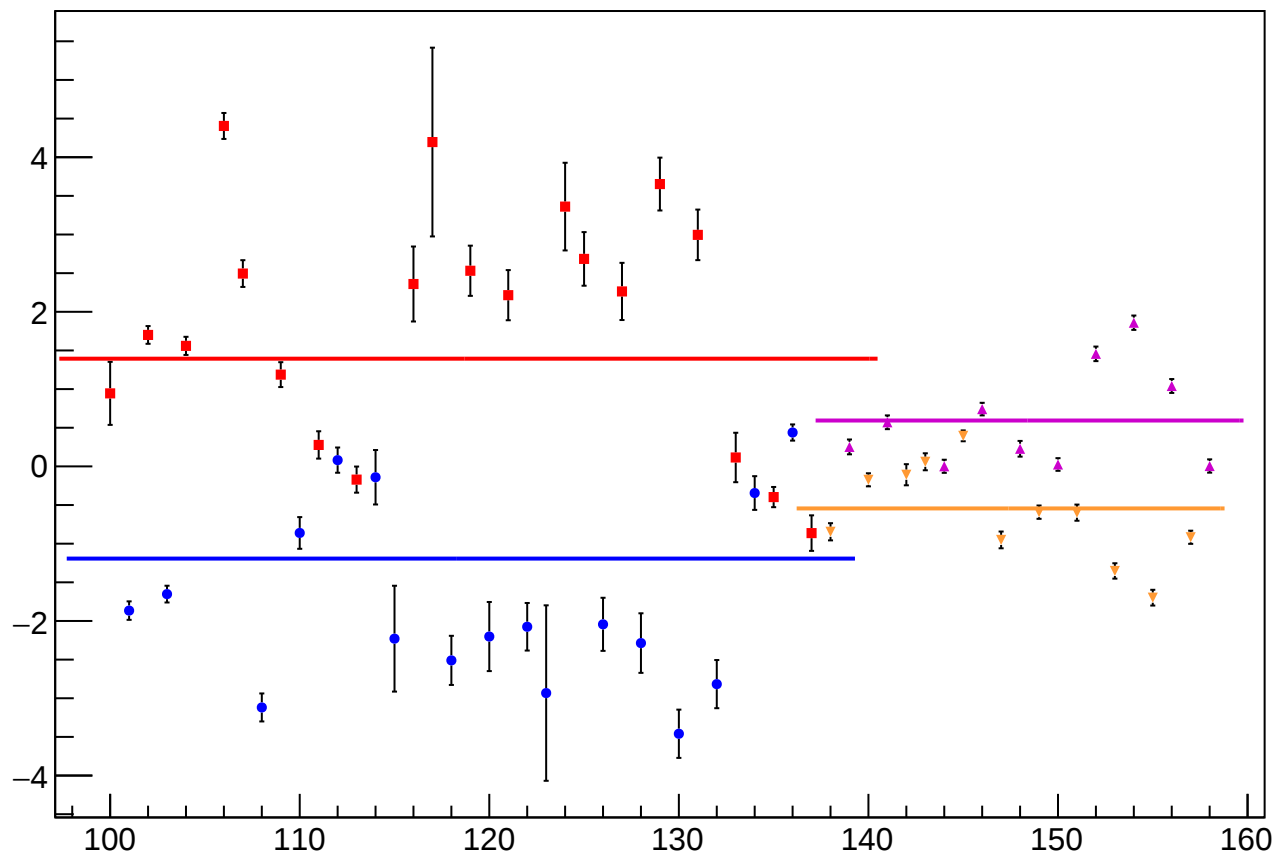
Left In: -196.388 +/- 0.591 χ^2/NDF : 594.4/9

194.144 +/- 0.504 χ^2/NDF : 6308.4/27

-0.971 +/- 0.354 χ^2/NDF : 308948.9/57

-191.064 +/- 0.498 χ^2/NDF : 7222.2/29

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.544 ± 0.029 χ^2/NDF : 473.6/10

Right Out: 1.393 ± 0.046 χ^2/NDF : 925.8/19

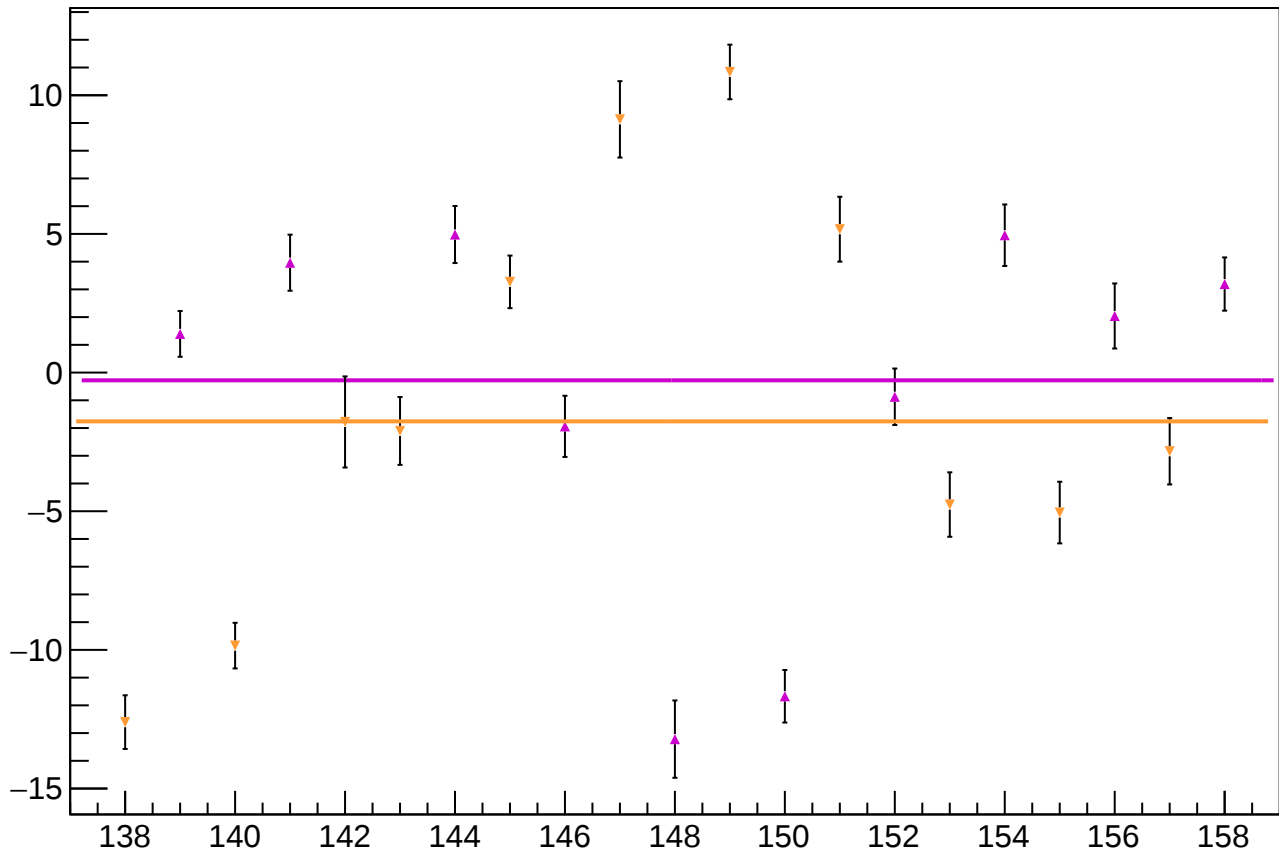
Left In: 0.594 ± 0.028 χ^2/NDF : 466.8/9

-0.715 ± 0.025 χ^2/NDF : 1228.9/27

0.071 ± 0.017 χ^2/NDF : 4809.4/57

0.813 ± 0.024 χ^2/NDF : 1613.8/29

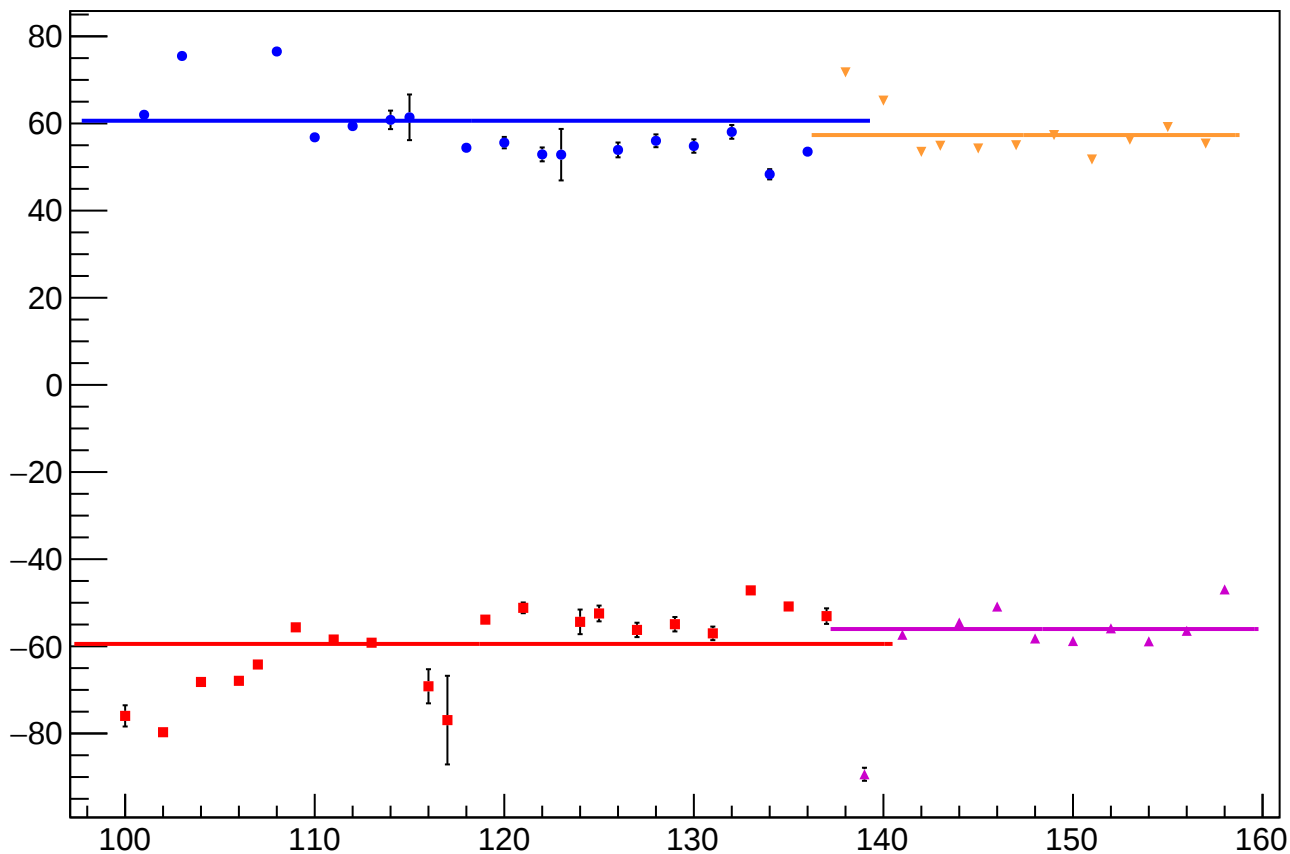
reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.759+/-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
 -1.012+/-0.231 χ^2/NDF : 858.8/20
 -0.280+/-0.326 χ^2/NDF : 320.4/9

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 60.625 ± 0.263 χ^2/NDF : 924.6/16

Left Out: 57.342 ± 0.234 χ^2/NDF : 449.5/10

Right Out: -59.448 ± 0.248 χ^2/NDF : 1326.3/19

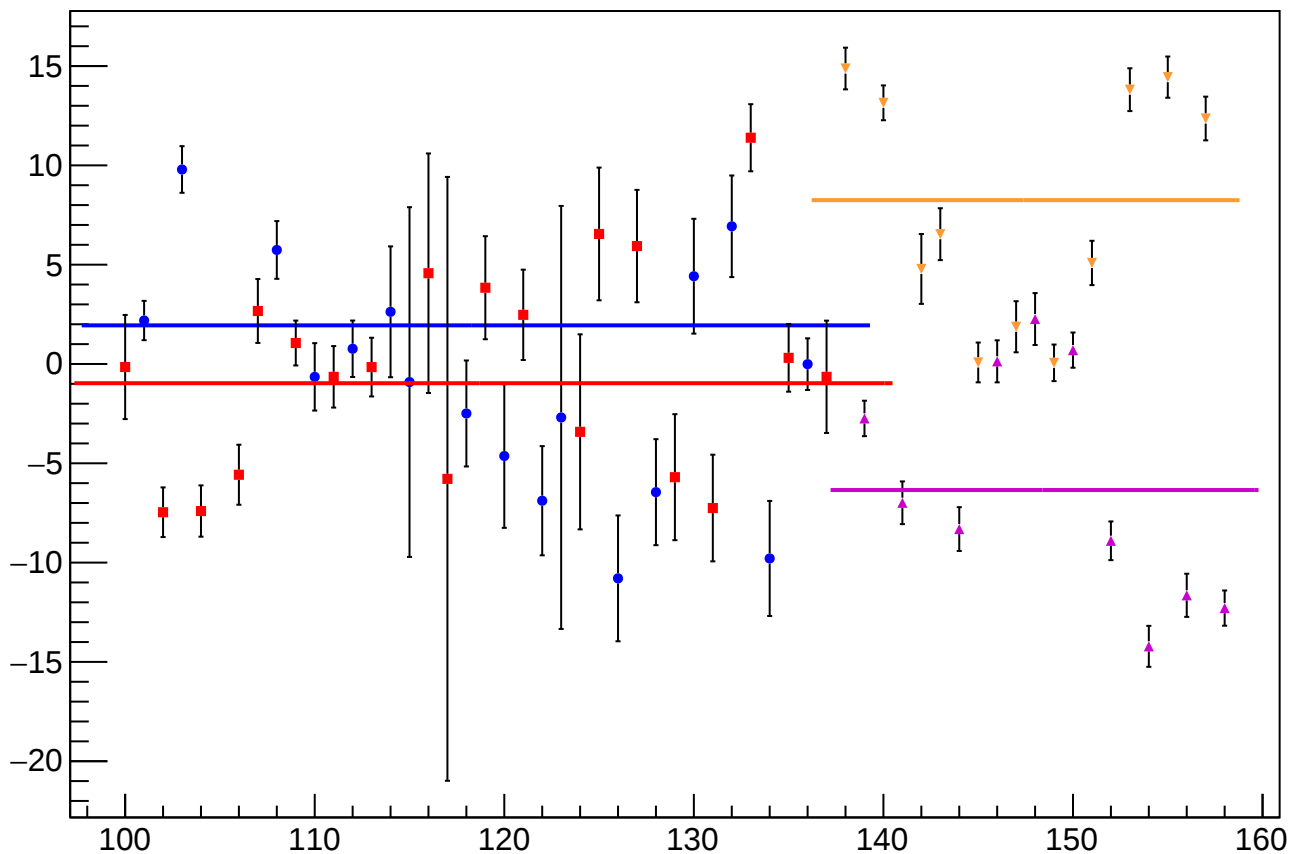
Left In: -56.031 ± 0.237 χ^2/NDF : 785.8/9

58.793 ± 0.175 χ^2/NDF : 1461.0/27

-0.705 ± 0.122 χ^2/NDF : 230339.9/57

-57.661 ± 0.171 χ^2/NDF : 2211.6/29

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



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

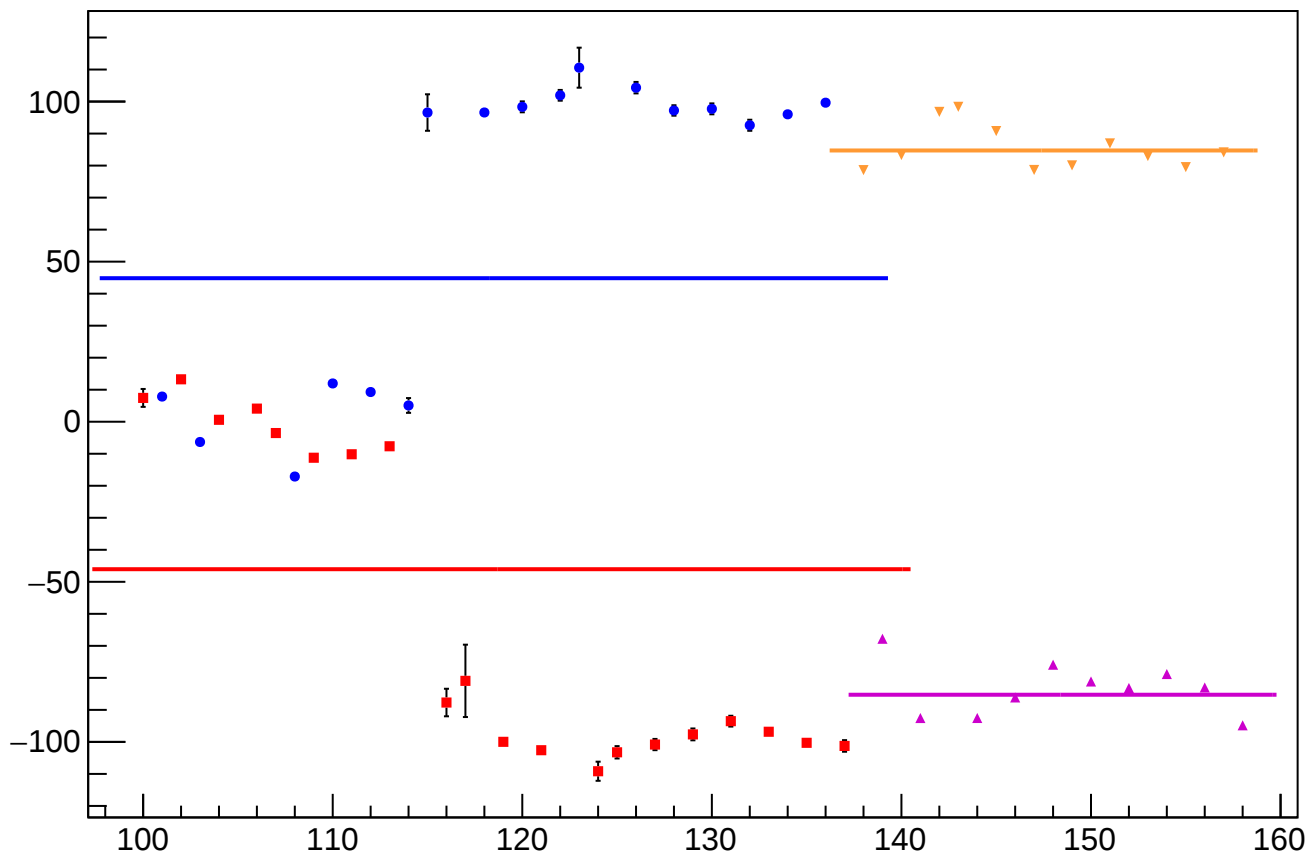
Left In: -6.346 ± 0.319 χ^2/NDF : 297.8/9

6.120 ± 0.267 χ^2/NDF : 576.8/27

0.627 ± 0.184 χ^2/NDF : 1939.9/57

-4.401 ± 0.255 χ^2/NDF : 550.1/29

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



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

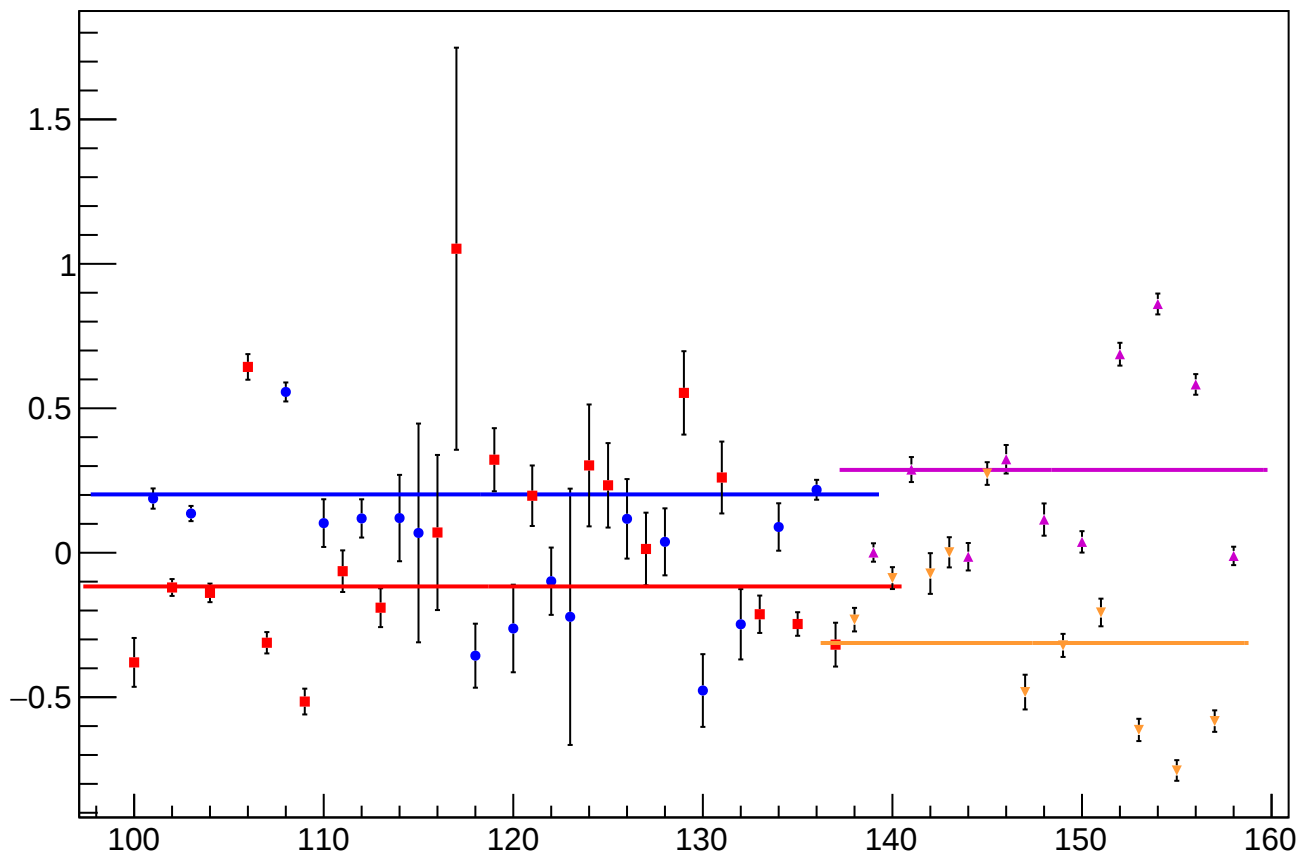
Left In: -85.271+/-0.277 χ^2/NDF : 666.4/9

66.394+/-0.206 χ^2/NDF : 34503.9/27

-2.205+/-0.144 χ^2/NDF : 286916.5/57

-66.546+/-0.200 χ^2/NDF : 38529.9/29

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.202 ± 0.014 χ^2/NDF : 216.0/16

Left Out: -0.312 ± 0.013 χ^2/NDF : 589.3/10

Right Out: -0.117 ± 0.013 χ^2/NDF : 502.5/19

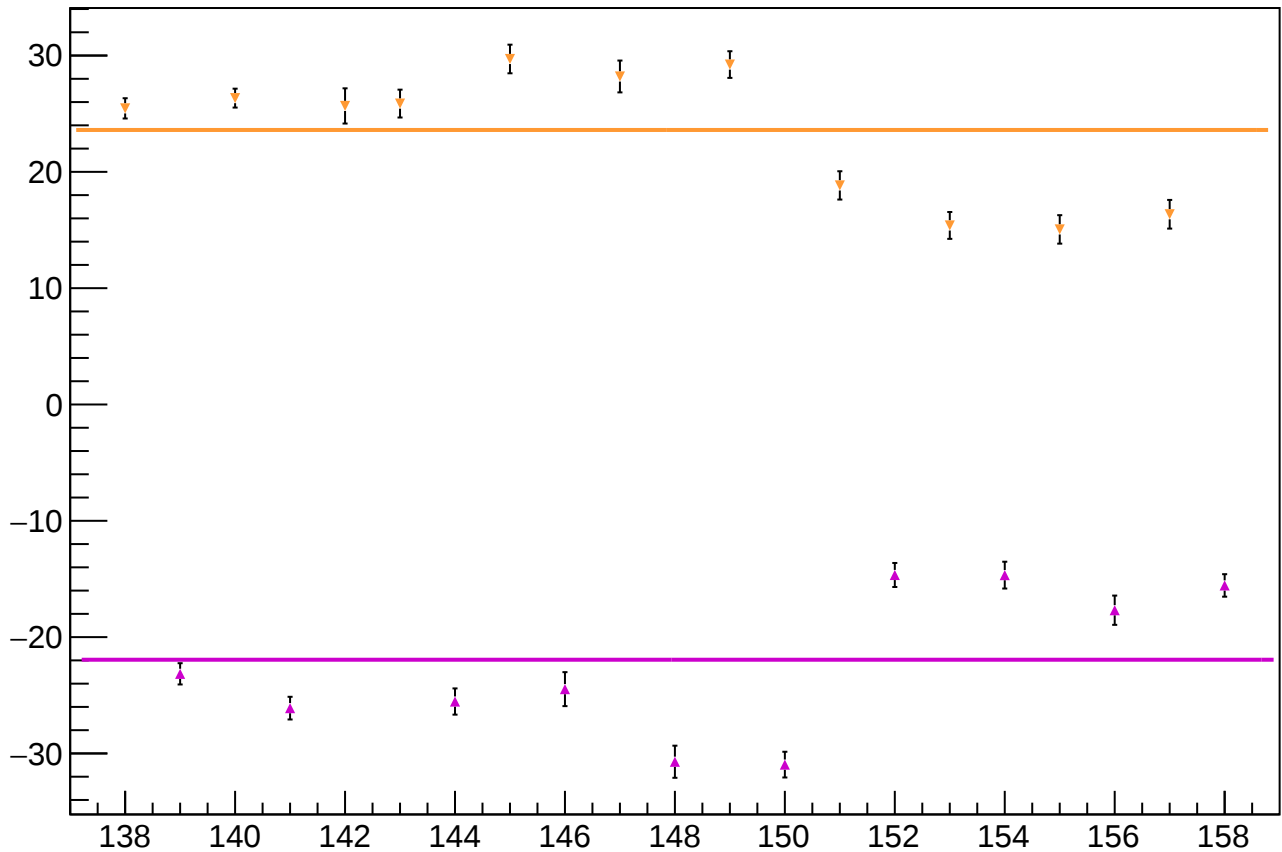
Left In: 0.287 ± 0.012 χ^2/NDF : 687.4/9

-0.078 ± 0.009 χ^2/NDF : 1533.7/27

0.015 ± 0.007 χ^2/NDF : 3408.4/57

0.096 ± 0.009 χ^2/NDF : 1696.4/29

reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 23.602 $\pm$ 0.340 χ^2 /NDF:230.5/10

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

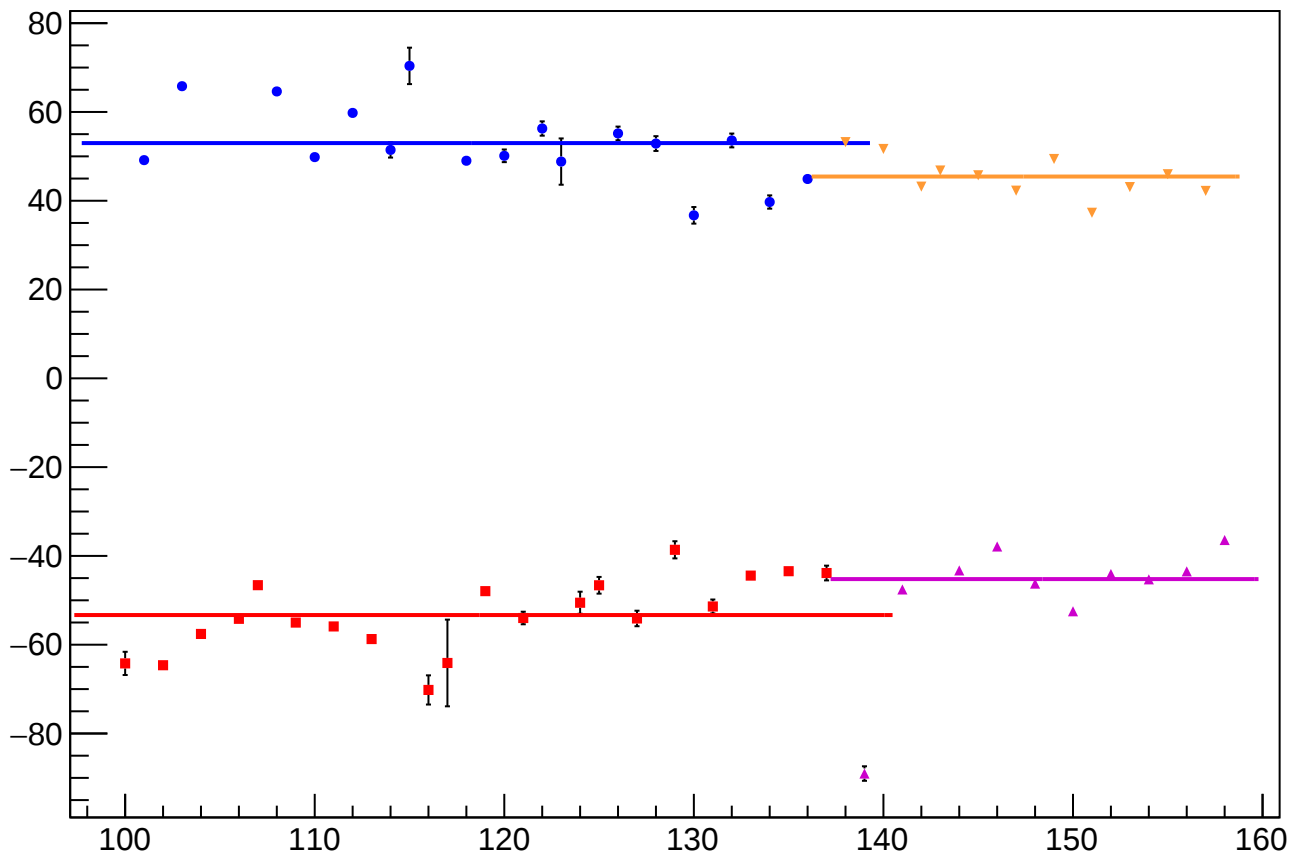
Left In: -21.943 $\pm$ 0.348 χ^2 /NDF:284.6/9

23.602 $\pm$ 0.340 χ^2 /NDF: 230.5/10

1.418 $\pm$ 0.243 χ^2 /NDF: 9279.2/20

-21.943 $\pm$ 0.348 χ^2 /NDF: 284.6/9

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 52.989 $\pm$ 0.211 χ^2 /NDF: 1198.0/16

Left Out: 45.455 $\pm$ 0.240 χ^2 /NDF: 371.1/10

Right Out: -53.320 $\pm$ 0.227 χ^2 /NDF: 876.8/19

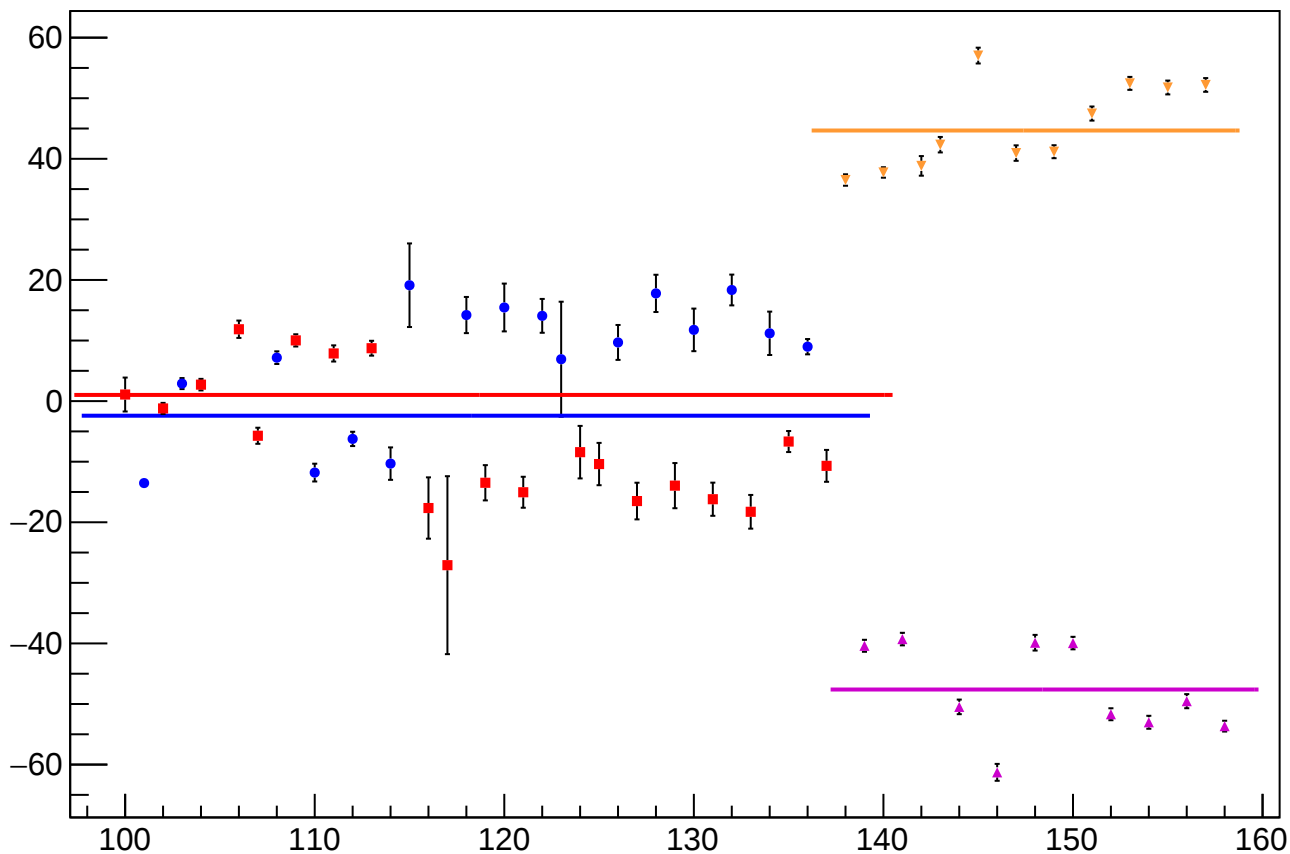
Left In: -45.221 $\pm$ 0.250 χ^2 /NDF: 1080.7/9

49.713 $\pm$ 0.159 χ^2 /NDF: 2124.1/27

2.835 $\pm$ 0.115 χ^2 /NDF: 189967.8/57

-49.659 $\pm$ 0.168 χ^2 /NDF: 2534.8/29

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



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

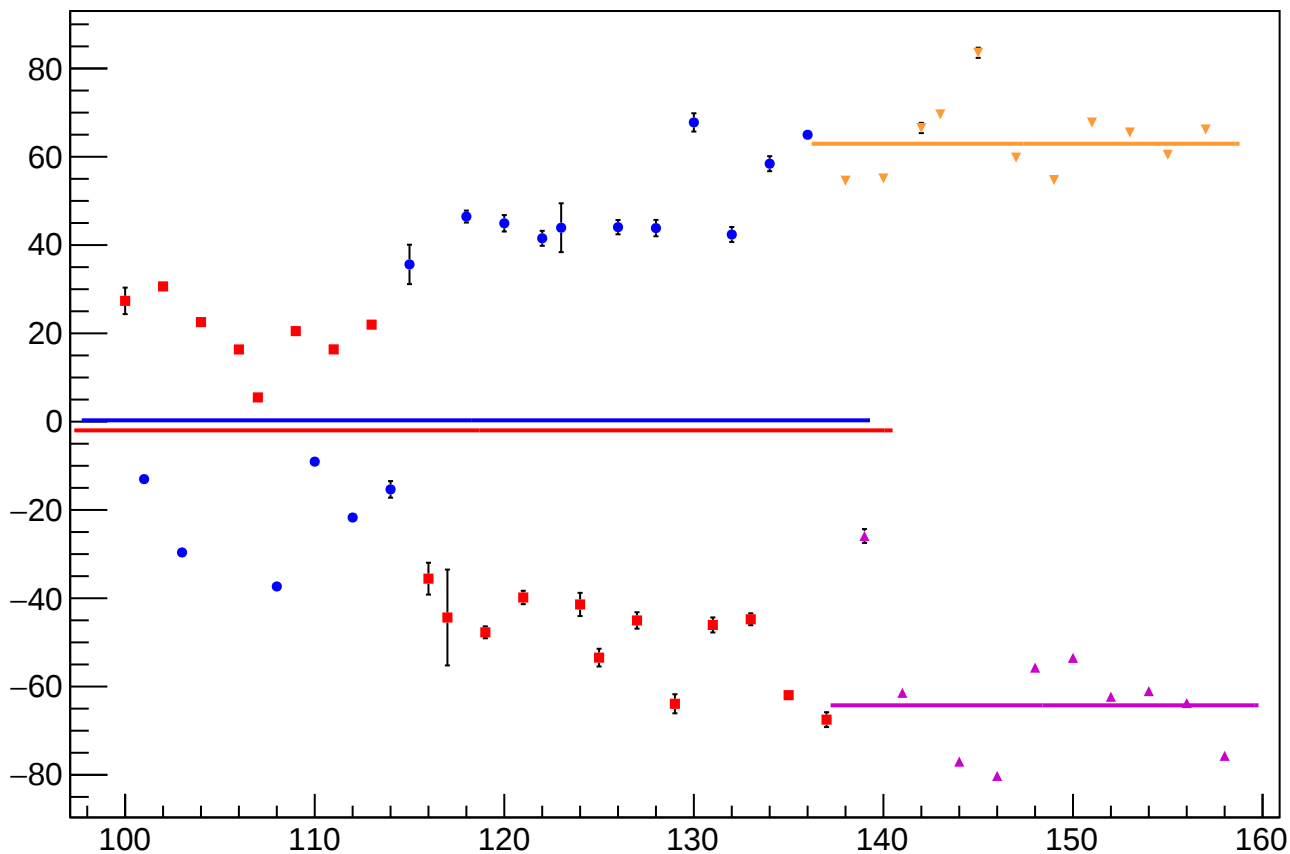
Left In: -47.609 ± 0.342 χ^2/NDF : 400.9/9

22.785 ± 0.248 χ^2/NDF : 10176.8/27

-0.987 ± 0.177 χ^2/NDF : 38897.7/57

-25.676 ± 0.253 χ^2/NDF : 10049.8/29

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 15465.9/19$

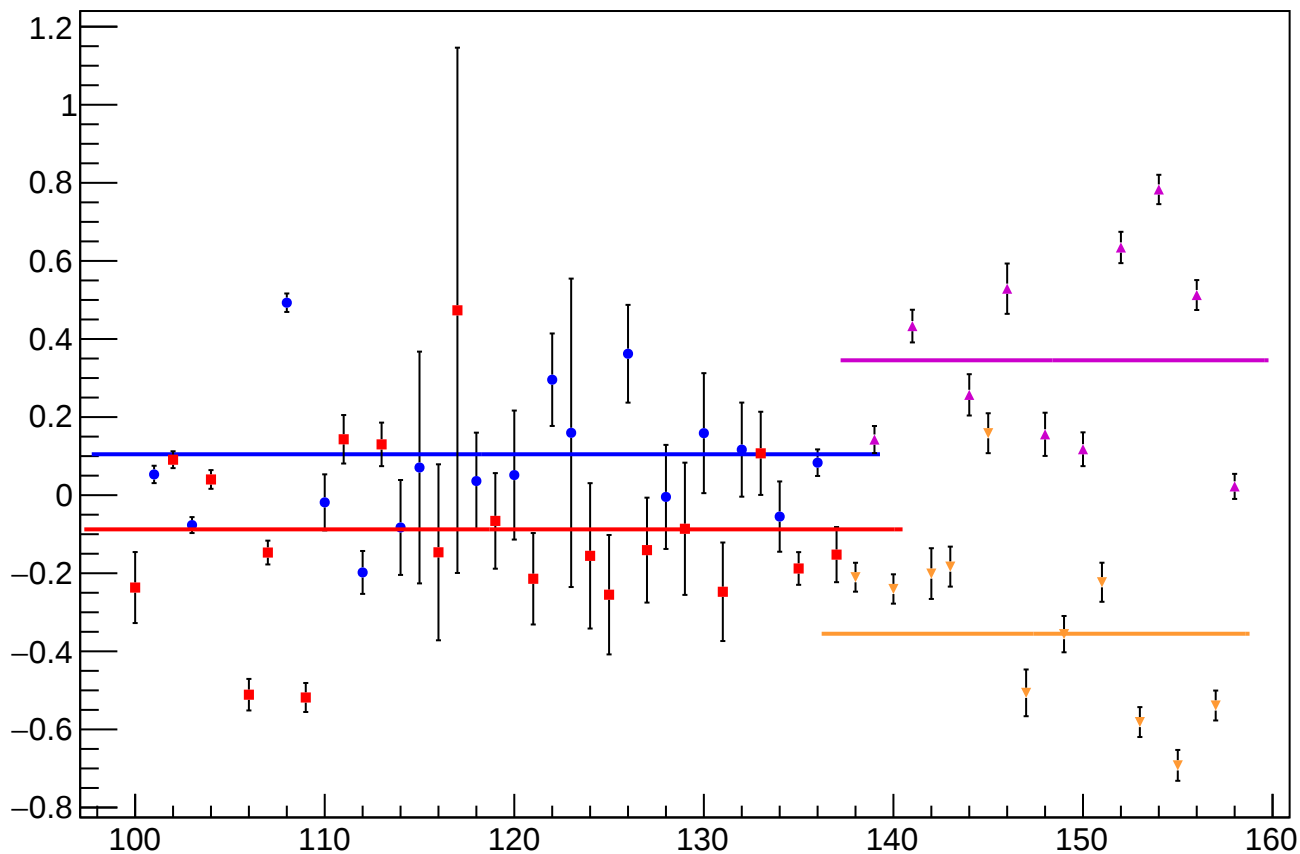
Left In: -64.249 ± 0.293 $\chi^2/\text{NDF}: 1510.3/9$

26.690 ± 0.188 $\chi^2/\text{NDF}: 45947.8/27$

-0.421 ± 0.136 $\chi^2/\text{NDF}: 131148.5/57$

-30.172 ± 0.197 $\chi^2/\text{NDF}: 41687.8/29$

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 ± 0.011 χ^2/NDF : 400.8/16

Left Out: -0.355 ± 0.013 χ^2/NDF : 286.5/10

Right Out: -0.088 ± 0.011 χ^2/NDF : 391.6/19

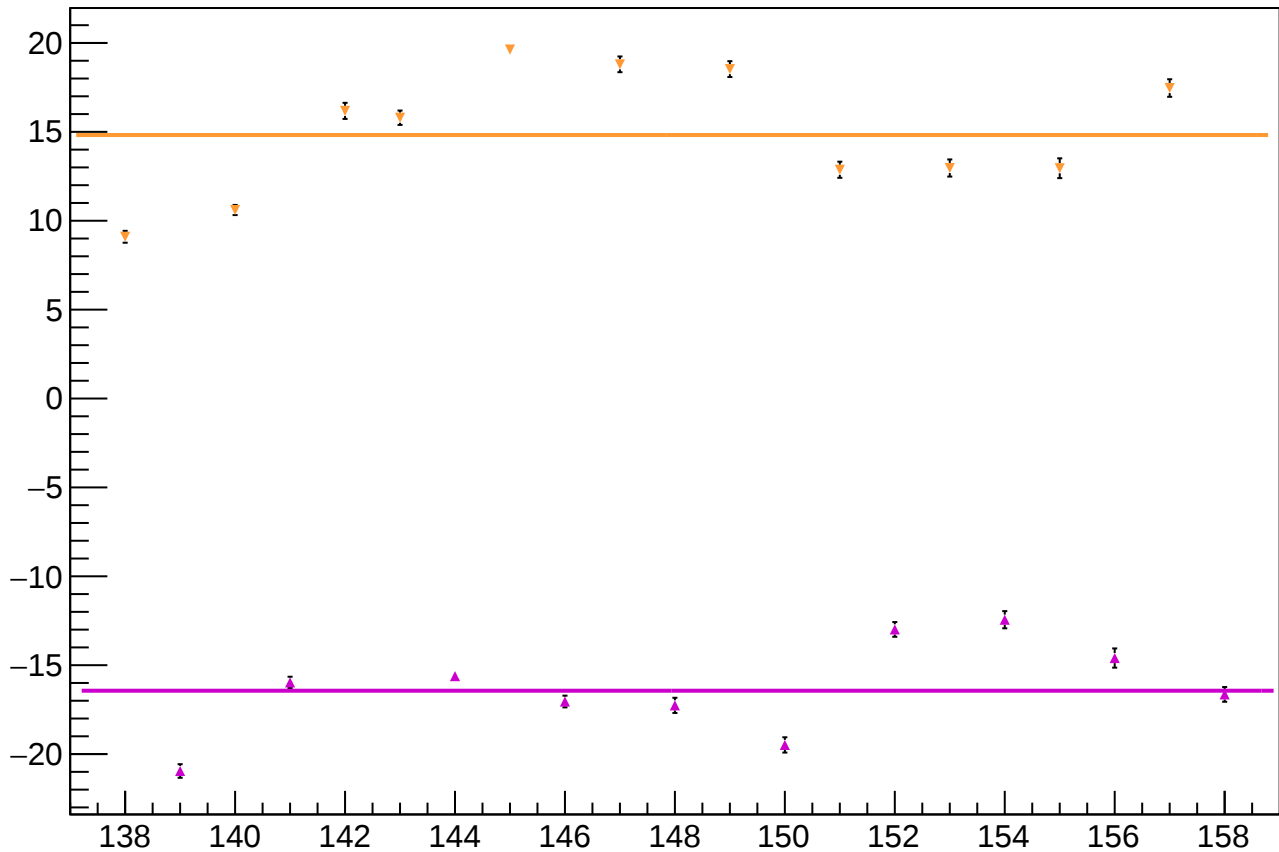
Left In: 0.345 ± 0.013 χ^2/NDF : 396.6/9

-0.081 ± 0.009 χ^2/NDF : 1389.3/27

0.006 ± 0.006 χ^2/NDF : 3027.8/57

0.092 ± 0.008 χ^2/NDF : 1429.4/29

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 14.822+/-0.118 χ^2/NDF :1057.0/10

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

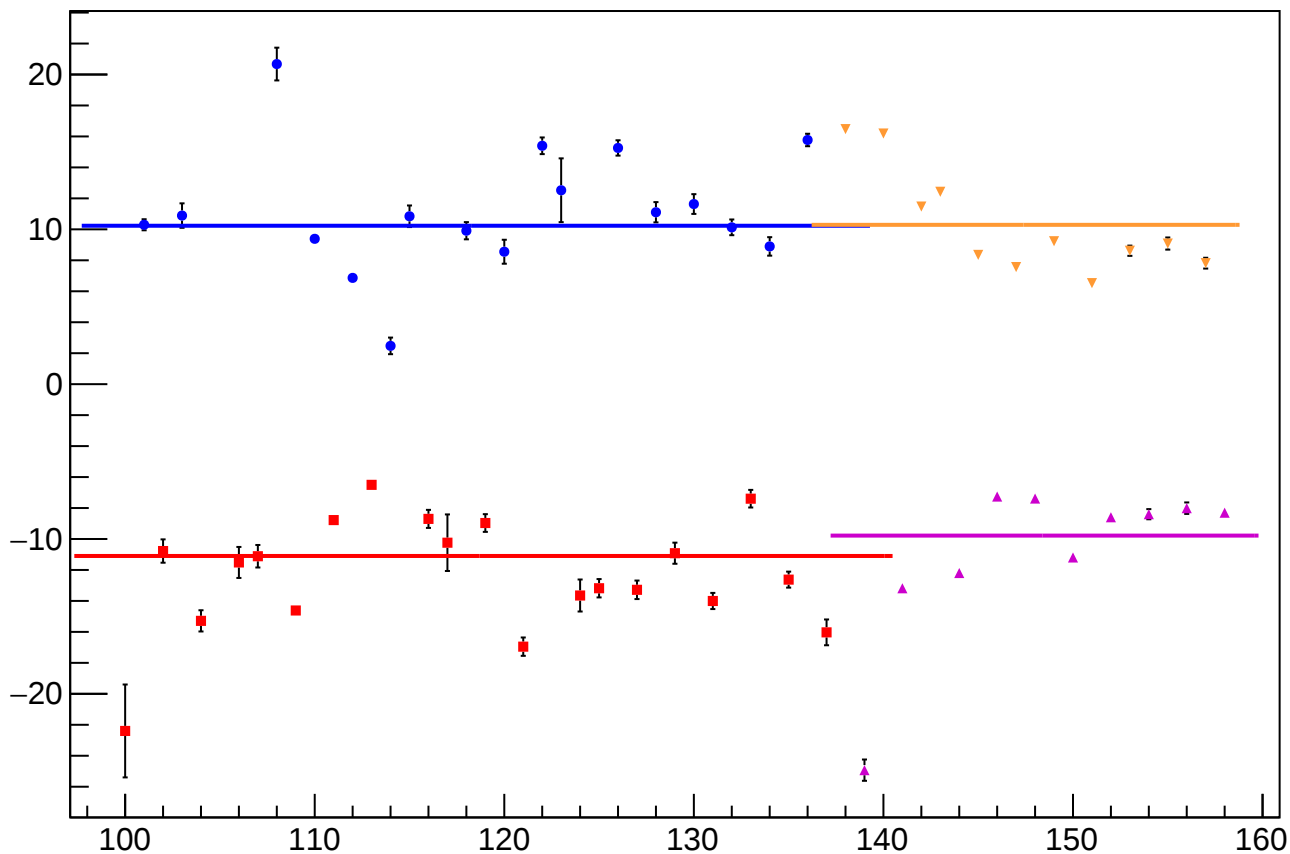
Left In: -16.436+/-0.121 χ^2/NDF :356.1/9

14.822+/-0.118 χ^2/NDF : 1057.0/10

-0.418+/-0.084 χ^2/NDF : 35796.8/20

-16.436+/-0.121 χ^2/NDF : 356.1/9

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



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

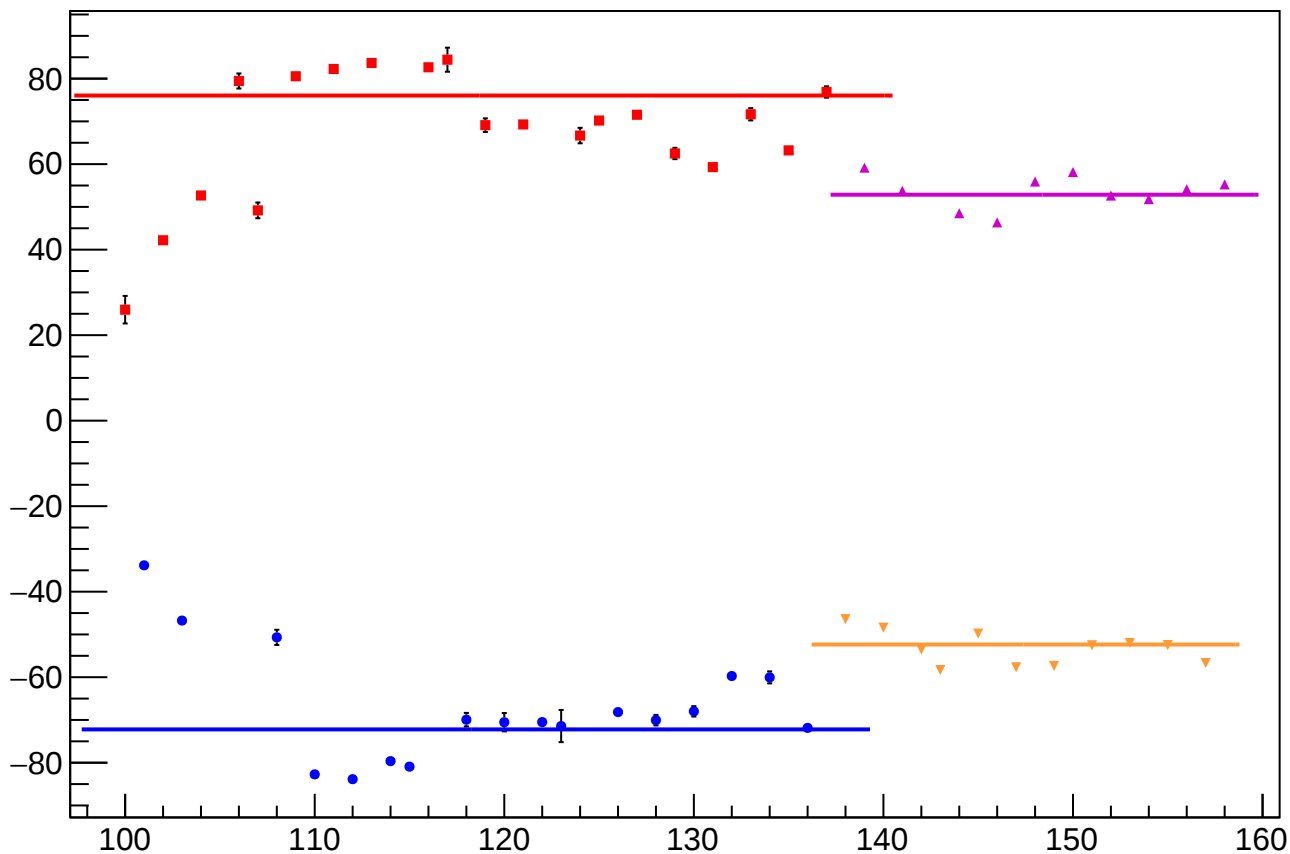
Left In: -9.781 ± 0.083 χ^2/NDF : 1257.5/9

10.272 ± 0.068 χ^2/NDF : 2520.5/27

-0.037 ± 0.048 χ^2/NDF : 50692.1/57

-10.223 ± 0.067 χ^2/NDF : 2160.7/29

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.211+/-0.198 χ^2/NDF : 5566.2/16

Left Out: -52.361+/-0.119 χ^2/NDF : 1114.4/10

Right Out: 76.044+/-0.181 χ^2/NDF : 3472.2/19

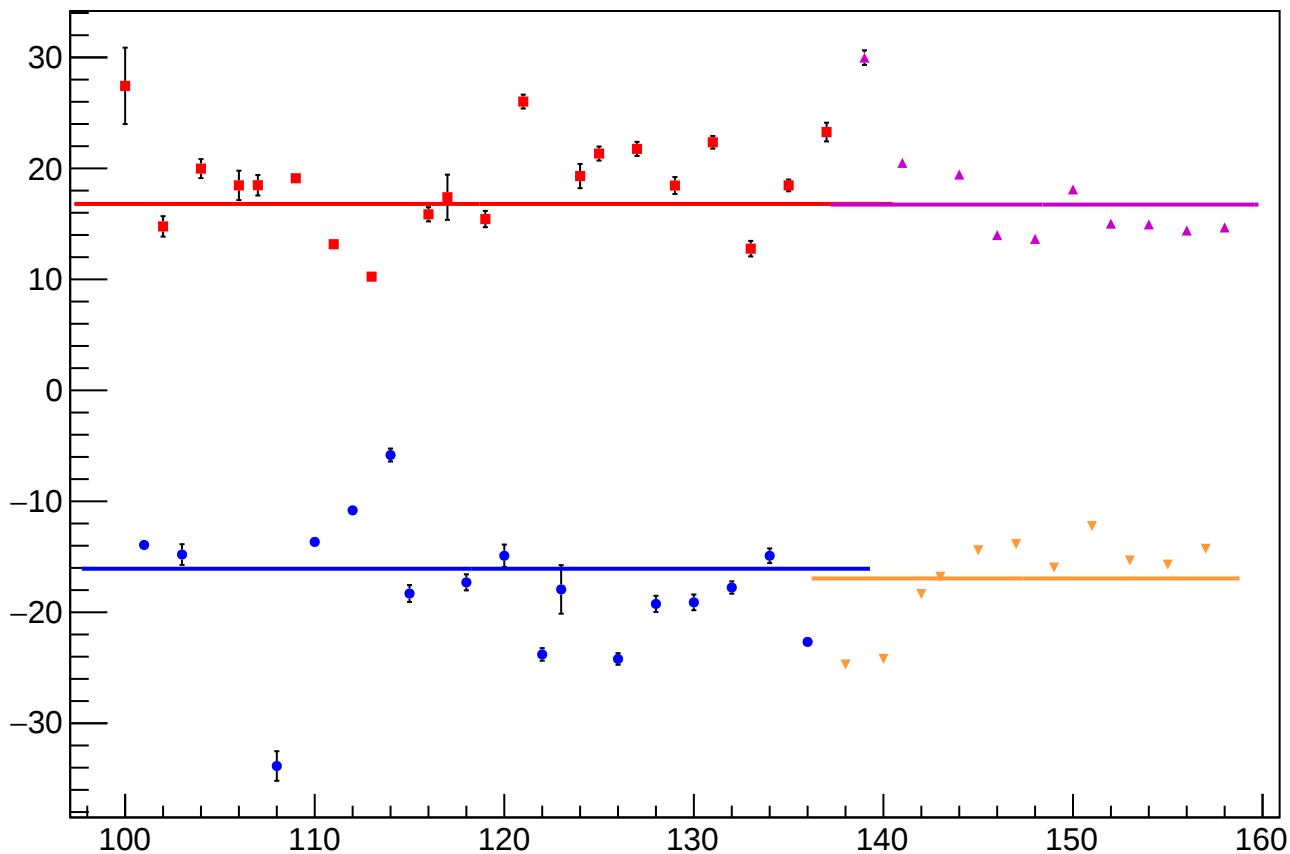
Left In: 52.851+/-0.119 χ^2/NDF : 1148.0/9

-57.649+/-0.102 χ^2/NDF : 14054.4/27

2.609+/-0.071 χ^2/NDF : 708457.4/57

59.912+/-0.100 χ^2/NDF : 16089.5/29

reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.073 ± 0.133 χ^2/NDF : 1640.5/16

Left Out: -16.948 ± 0.100 χ^2/NDF : 1601.2/10

Right Out: 16.797 ± 0.128 χ^2/NDF : 1216.1/19

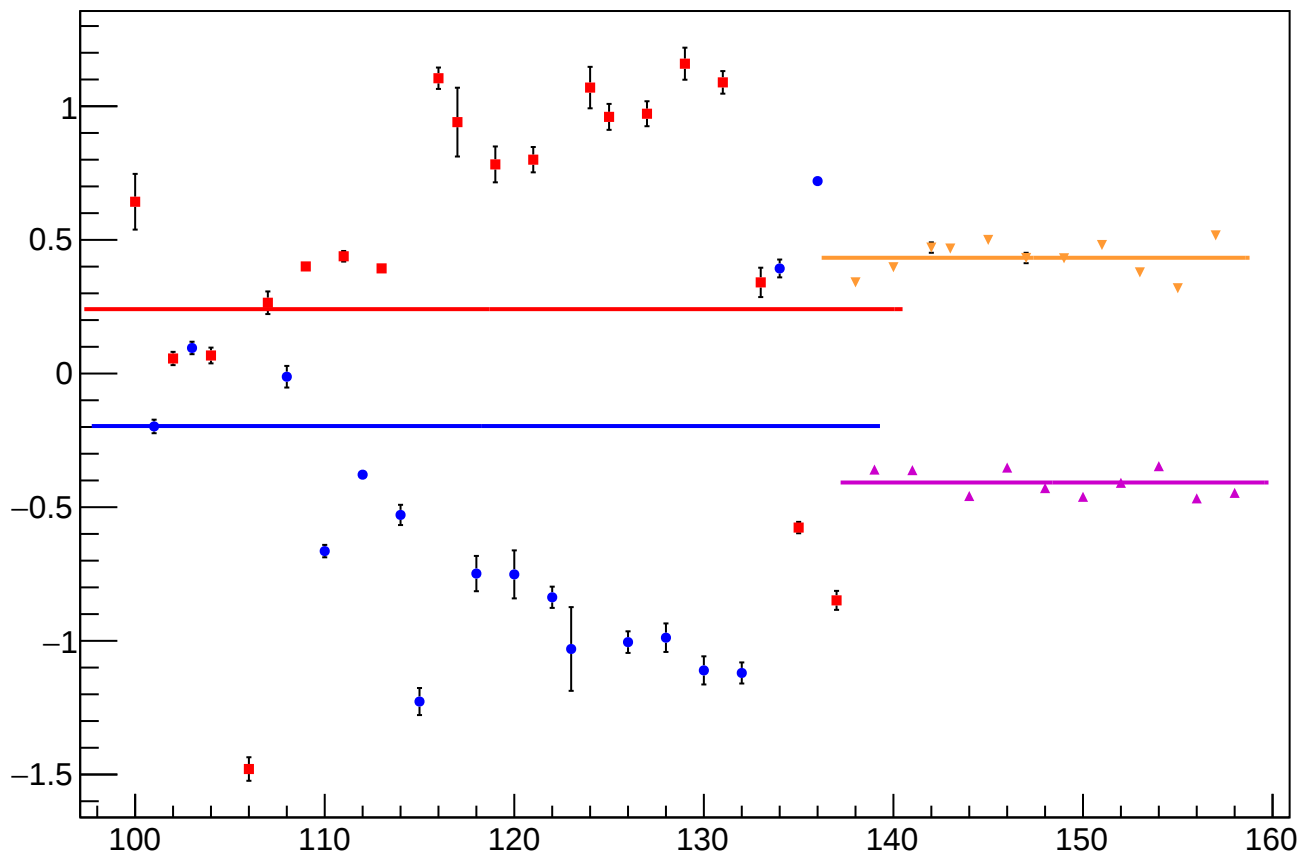
Left In: 16.739 ± 0.100 χ^2/NDF : 1090.0/9

-16.631 ± 0.080 χ^2/NDF : 3269.5/27

0.325 ± 0.056 χ^2/NDF : 94411.2/57

16.761 ± 0.079 χ^2/NDF : 2306.2/29

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.196+/-0.008 χ^2/NDF : 6323.5/16

Left Out: 0.433+/-0.005 χ^2/NDF : 177.8/10

Right Out: 0.241+/-0.007 χ^2/NDF : 6218.3/19

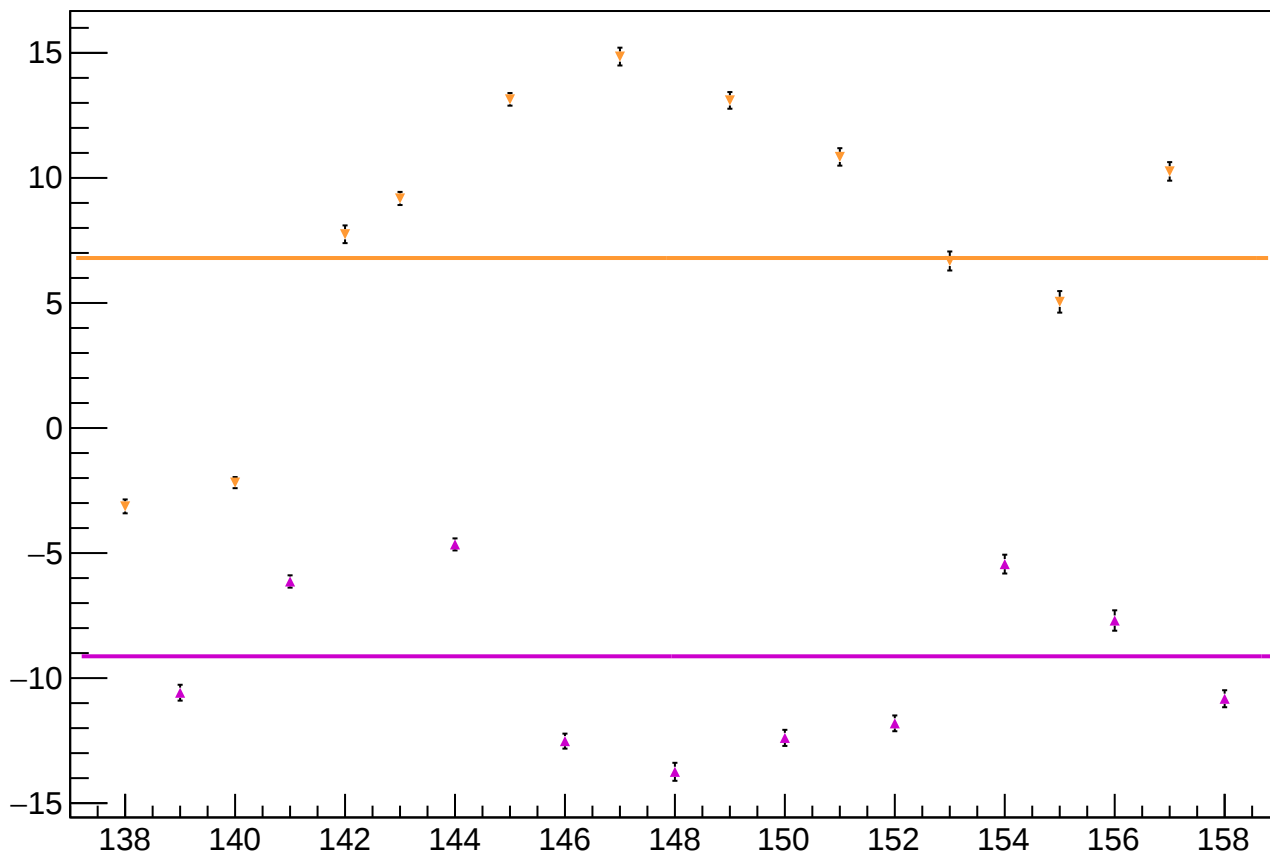
Left In: -0.408+/-0.005 χ^2/NDF : 99.1/9

0.253+/-0.004 χ^2/NDF : 11472.7/27

0.018+/-0.003 χ^2/NDF : 30166.9/57

-0.209+/-0.004 χ^2/NDF : 12001.1/29

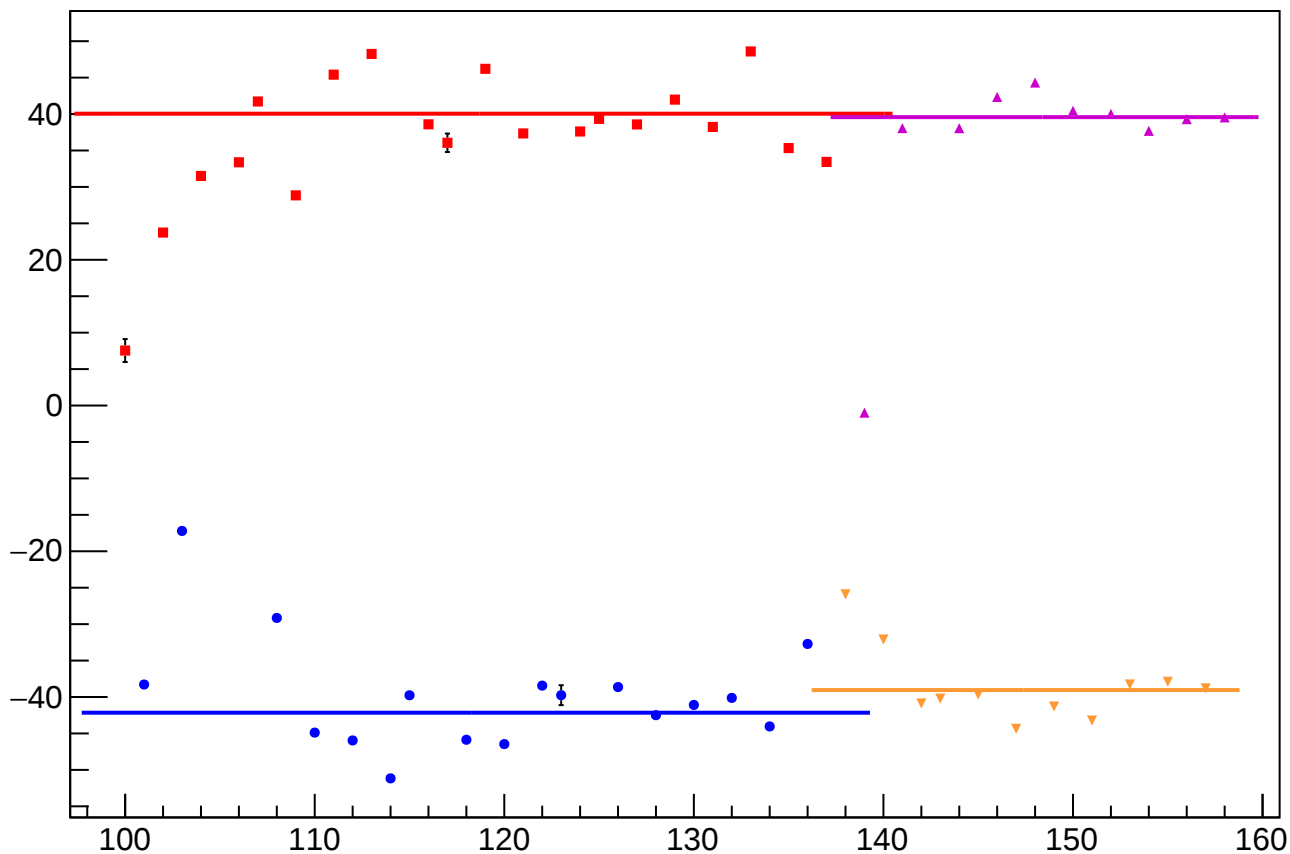
reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 6.798 $\pm$ 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
 -0.729 $\pm$ 0.067 χ^2 /NDF: 19752.6/20
 -9.128 $\pm$ 0.098 χ^2 /NDF: 1114.5/9

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.153 ± 0.078 χ^2/NDF : 6557.8/16

Left Out: -39.046 ± 0.065 χ^2/NDF : 5497.4/10

Right Out: 40.049 ± 0.073 χ^2/NDF : 11332.1/19

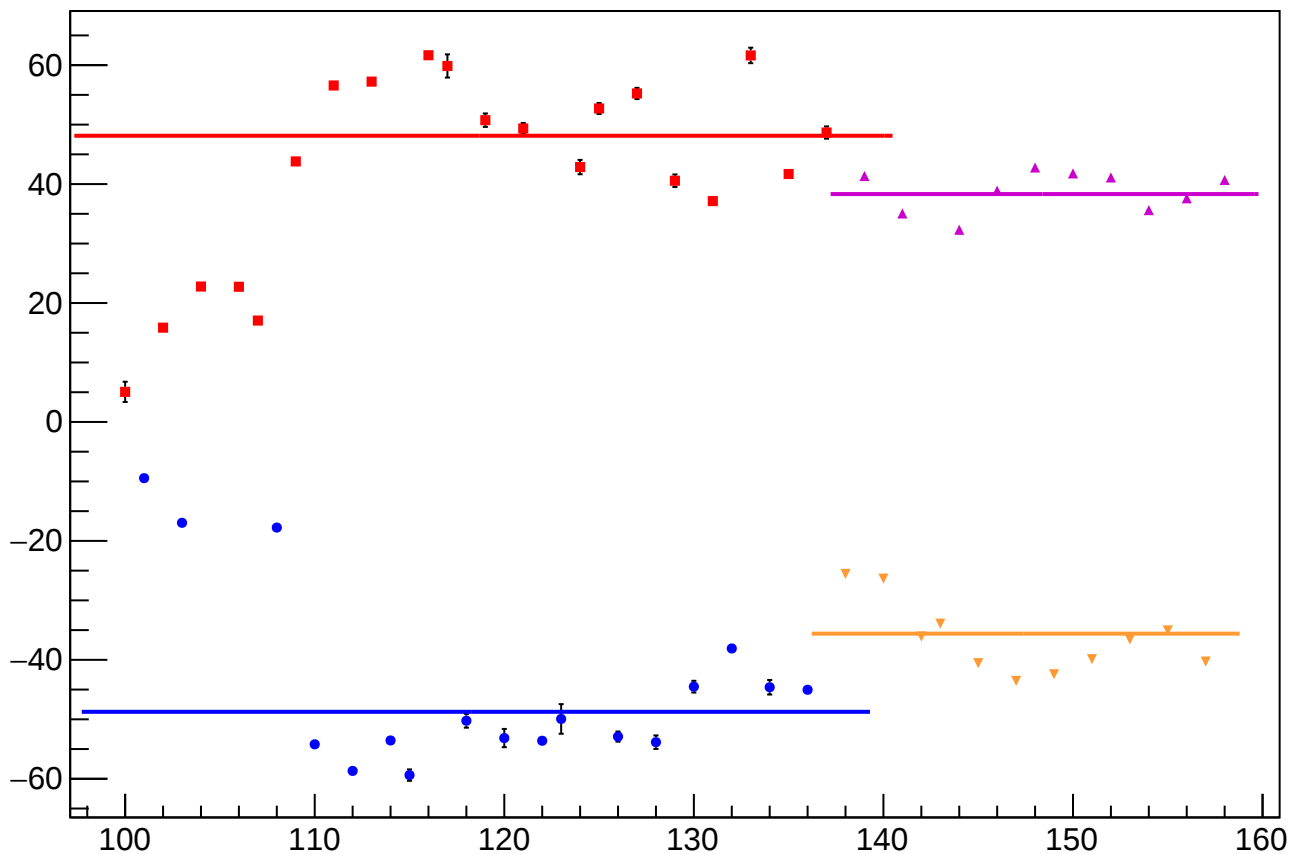
Left In: 39.578 ± 0.068 χ^2/NDF : 6293.8/9

-40.312 ± 0.050 χ^2/NDF : 12995.3/27

-0.141 ± 0.035 χ^2/NDF : 1328532.4/57

39.798 ± 0.050 χ^2/NDF : 17648.4/29

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.737 ± 0.125 χ^2/NDF : 14658.1/16

Left Out: -35.598 ± 0.094 χ^2/NDF : 4428.6/10

Right Out: 48.127 ± 0.107 χ^2/NDF : 11769.6/19

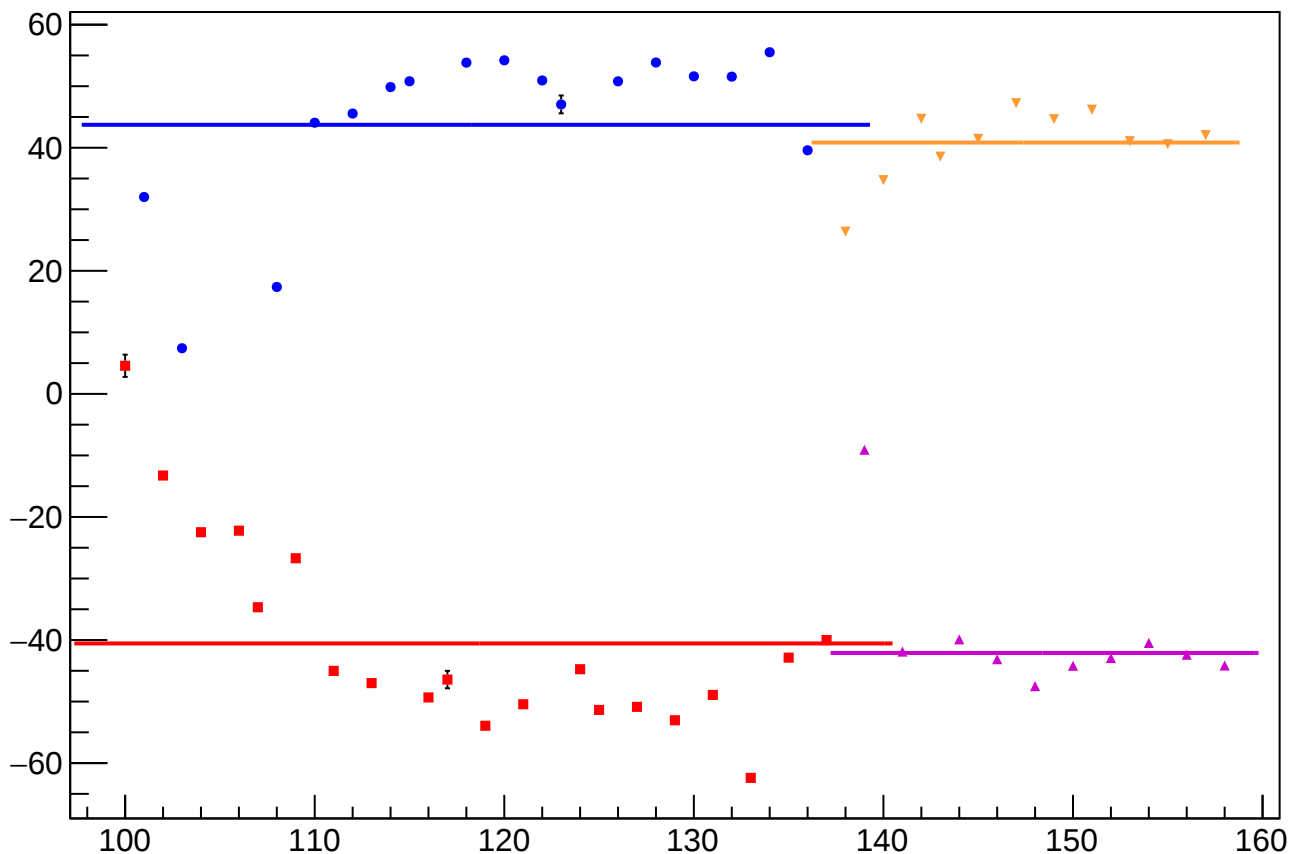
Left In: 38.323 ± 0.097 χ^2/NDF : 1293.7/9

-40.356 ± 0.075 χ^2/NDF : 26184.2/27

2.934 ± 0.052 χ^2/NDF : 684030.2/57

42.741 ± 0.072 χ^2/NDF : 17669.3/29

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.731 $\pm$ 0.087 χ^2 /NDF: 10567.7/16

Left Out: 40.849 $\pm$ 0.079 χ^2 /NDF: 4663.7/10

Right Out: -40.556 $\pm$ 0.080 χ^2 /NDF: 17618.6/19

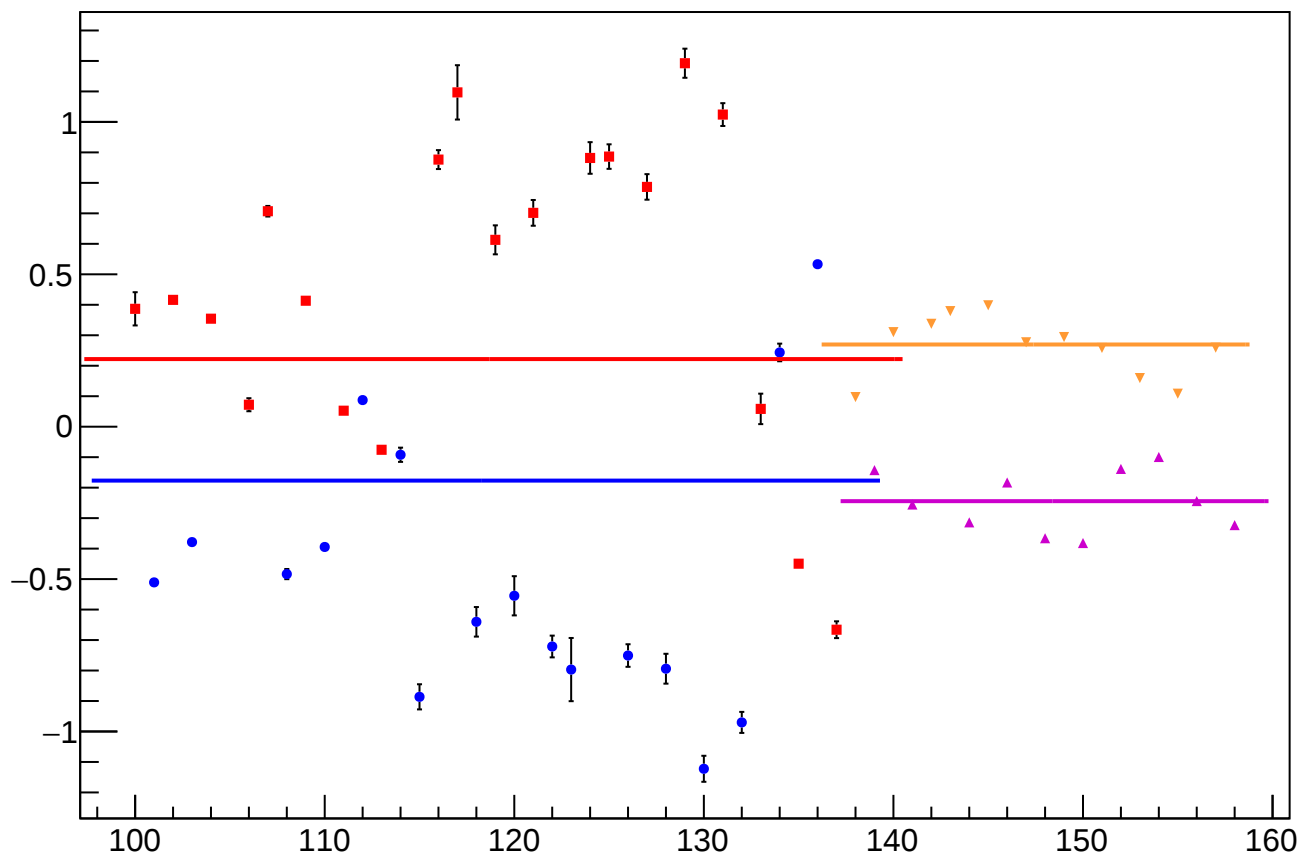
Left In: -42.100 $\pm$ 0.081 χ^2 /NDF: 4465.9/9

42.145 $\pm$ 0.058 χ^2 /NDF: 15837.4/27

-0.442 $\pm$ 0.041 χ^2 /NDF: 1086029.0/57

-41.316 $\pm$ 0.057 χ^2 /NDF: 22267.5/29

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.177 ± 0.005 χ^2/NDF : 7364.7/16

Left Out: 0.270 ± 0.004 χ^2/NDF : 704.1/10

Right Out: 0.222 ± 0.004 χ^2/NDF : 7527.0/19

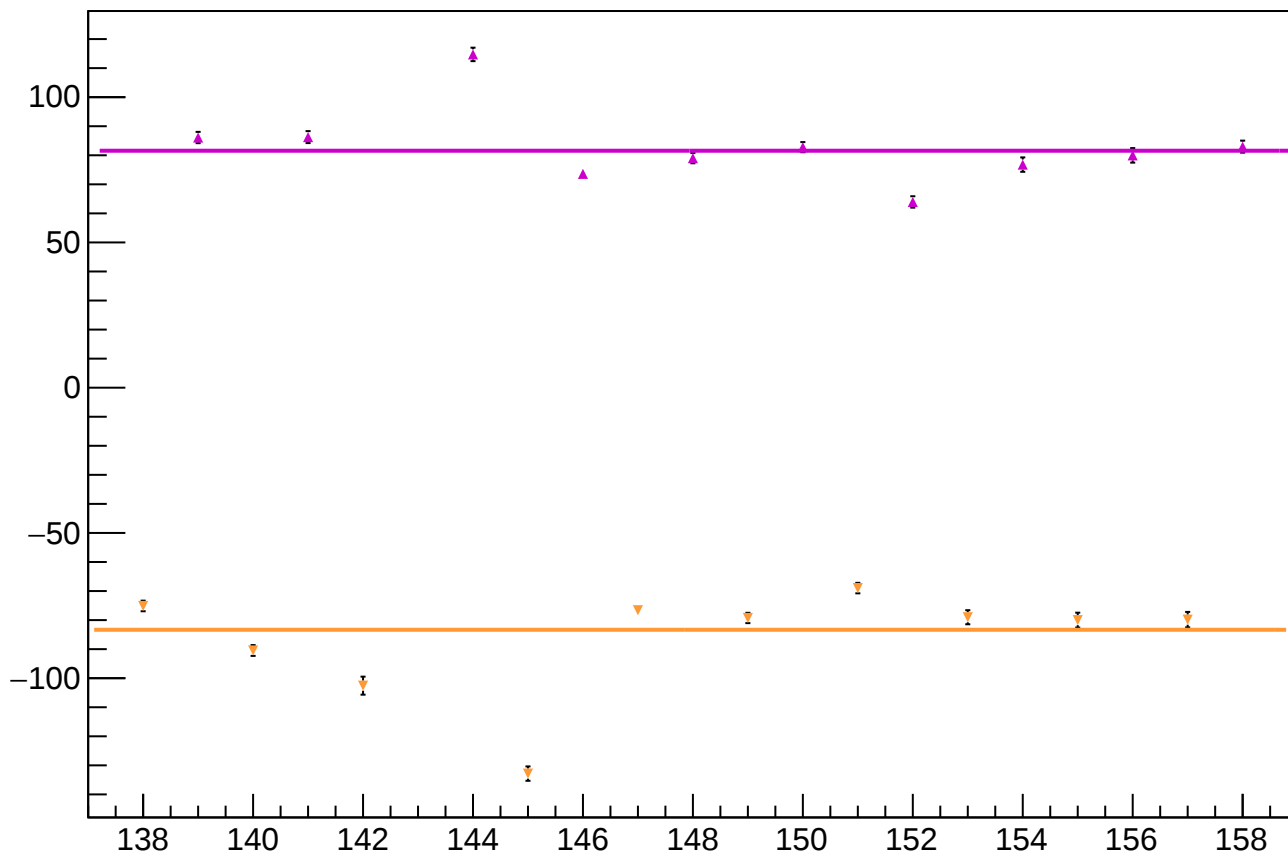
Left In: -0.244 ± 0.004 χ^2/NDF : 583.5/9

0.102 ± 0.003 χ^2/NDF : 13387.5/27

0.030 ± 0.002 χ^2/NDF : 29195.5/57

-0.038 ± 0.003 χ^2/NDF : 14658.4/29

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -83.325+/-0.662 χ^2/NDF : 563.2/9

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

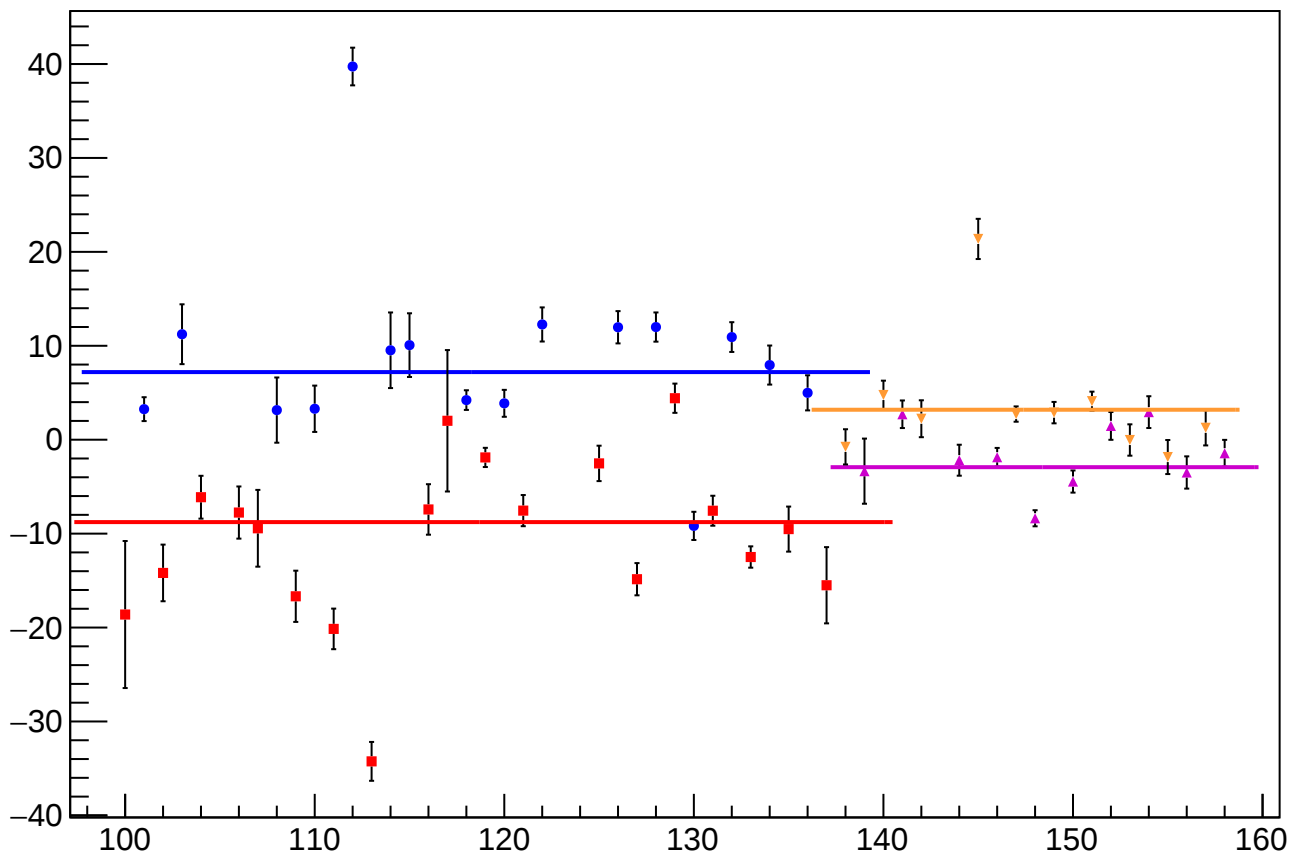
Left In: 81.568+/-0.633 χ^2/NDF : 325.5/9

-83.325+/-0.662 χ^2/NDF : 563.2/9

2.910+/-0.457 χ^2/NDF : 33305.0/19

81.568+/-0.633 χ^2/NDF : 325.5/9

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.199 ± 0.440 χ^2/NDF : 443.8/15

Left Out: 3.191 ± 0.431 χ^2/NDF : 91.7/9

Right Out: -8.772 ± 0.447 χ^2/NDF : 351.7/18

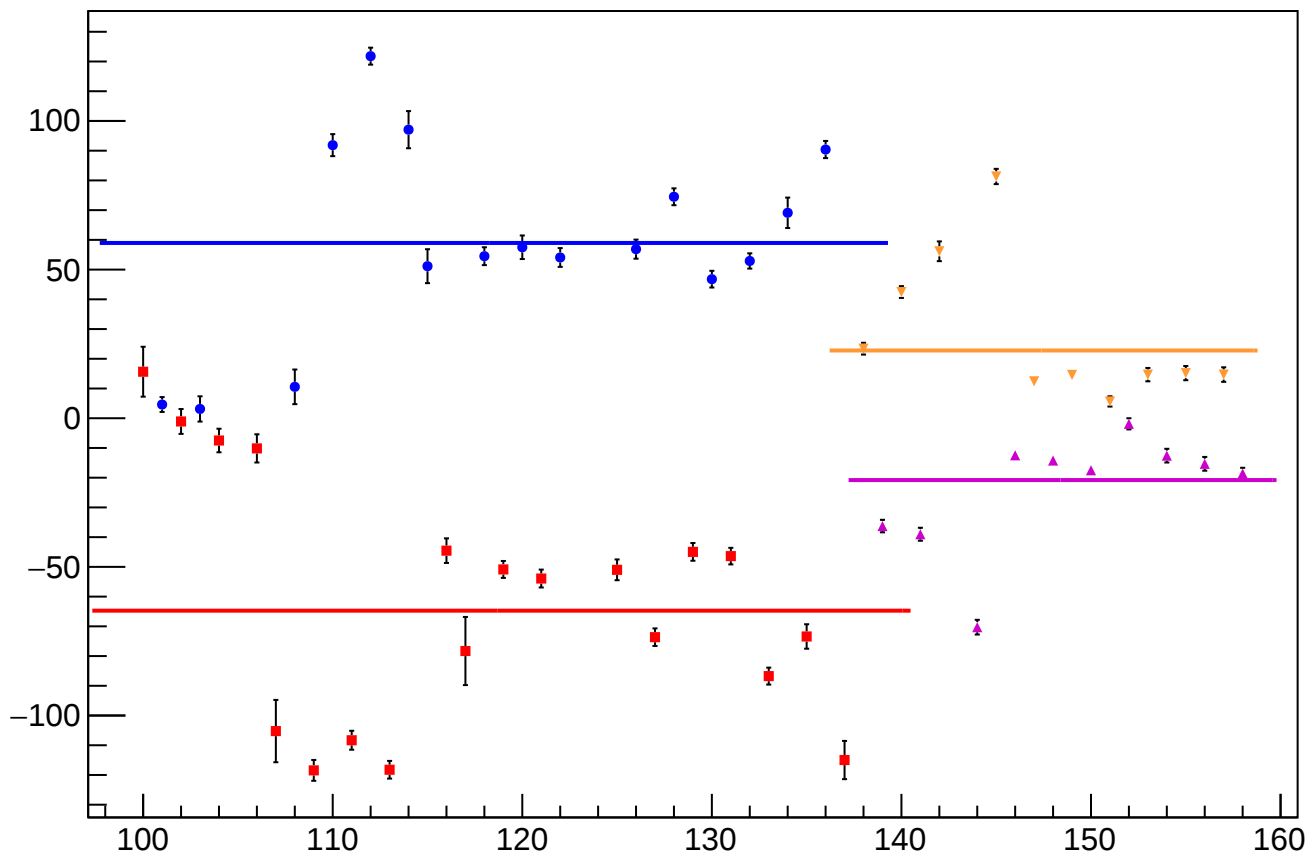
Left In: -2.925 ± 0.421 χ^2/NDF : 80.1/9

5.155 ± 0.308 χ^2/NDF : 577.9/25

-0.281 ± 0.217 χ^2/NDF : 1722.2/54

-5.670 ± 0.306 χ^2/NDF : 522.6/28

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.962+/-0.837 χ^2/NDF : 1496.5/15

Left Out: 22.792+/-0.649 χ^2/NDF : 917.2/9

Right Out: -64.728+/-0.838 χ^2/NDF : 1723.2/18

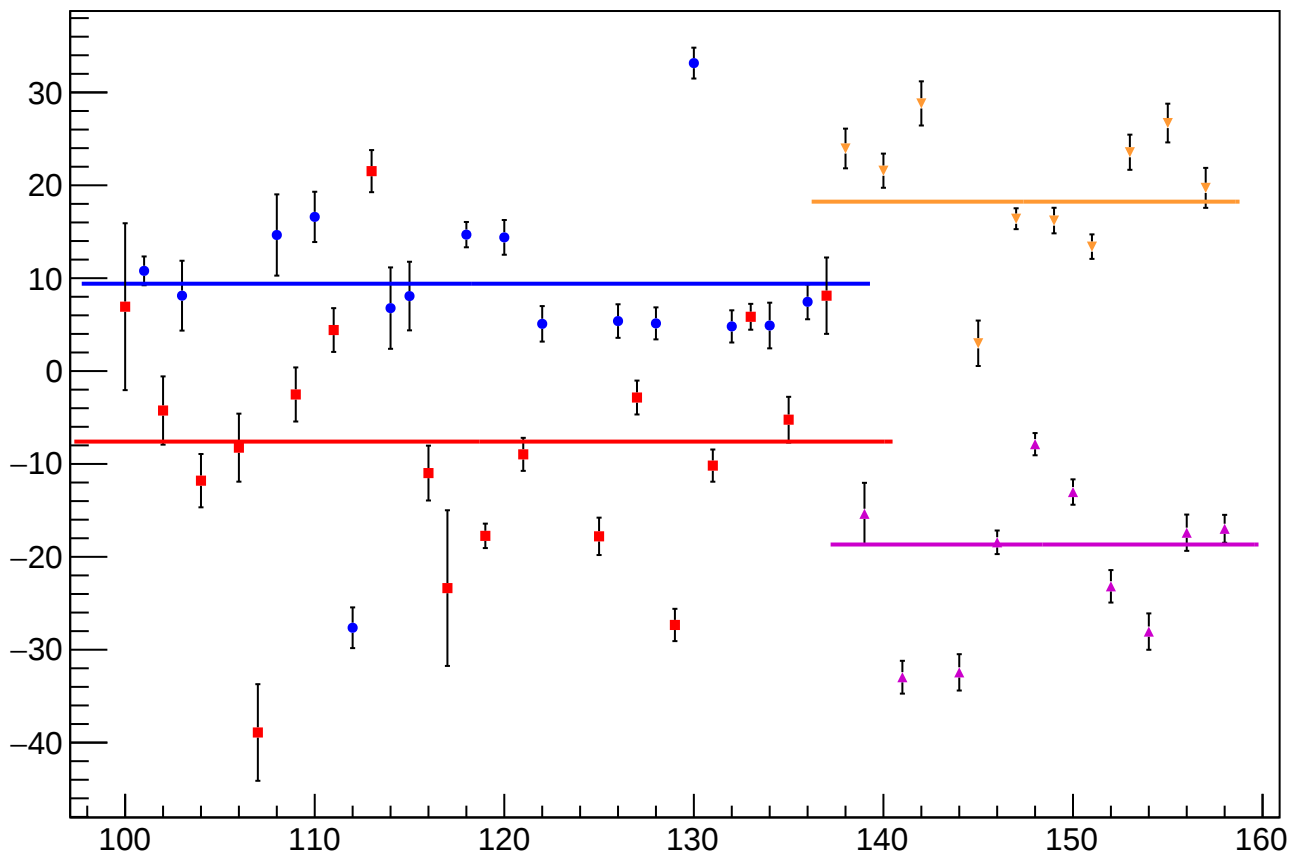
Left In: -20.797+/-0.614 χ^2/NDF : 689.5/9

36.366+/-0.513 χ^2/NDF : 3580.4/25

-1.138+/-0.356 χ^2/NDF : 18128.5/54

-36.162+/-0.495 χ^2/NDF : 4200.6/28

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.405 ± 0.507 $\chi^2/\text{NDF}: 549.5/15$

Left Out: 18.239 ± 0.536 $\chi^2/\text{NDF}: 112.3/9$

Right Out: -7.593 ± 0.514 $\chi^2/\text{NDF}: 573.4/18$

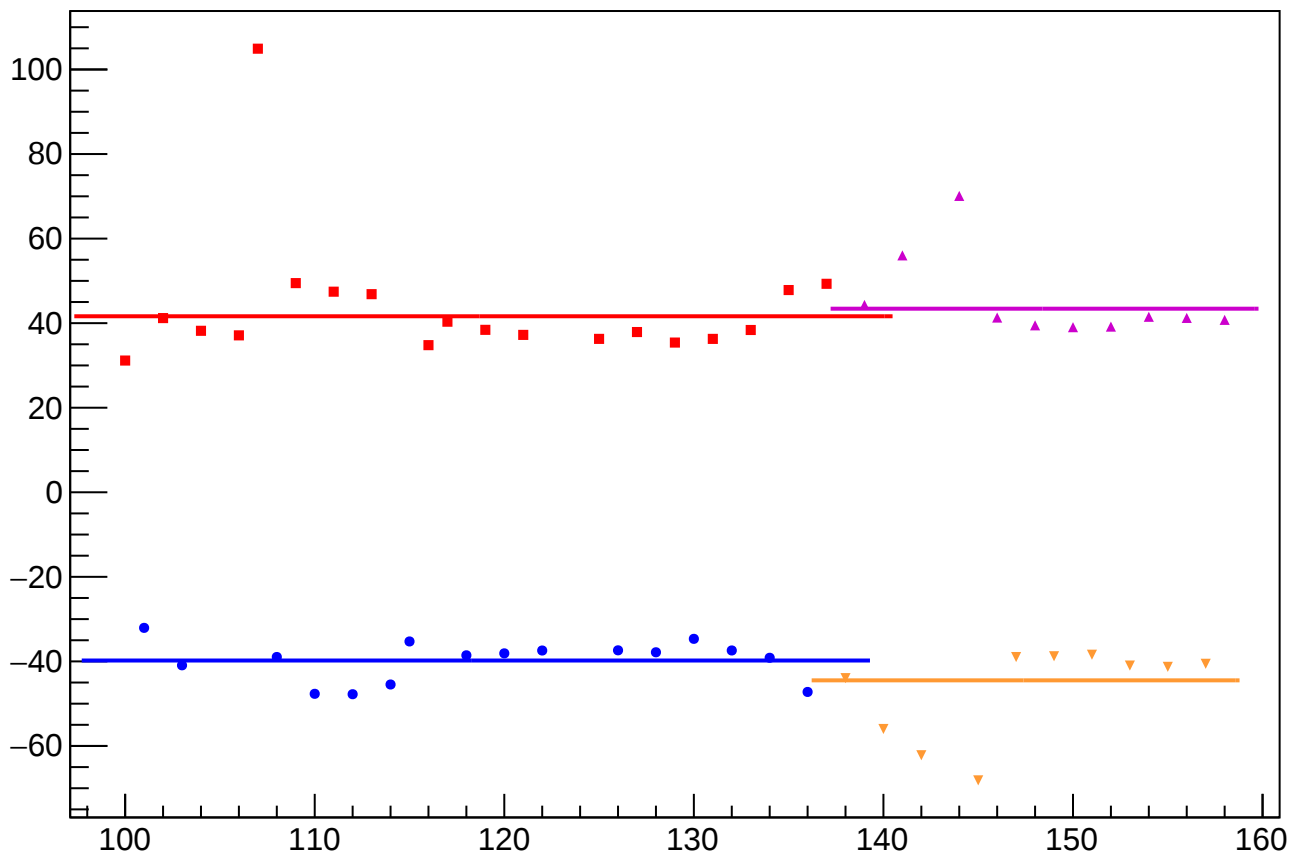
Left In: -18.673 ± 0.512 $\chi^2/\text{NDF}: 245.9/9$

13.573 ± 0.368 $\chi^2/\text{NDF}: 805.2/25$

-0.001 ± 0.258 $\chi^2/\text{NDF}: 4532.9/54$

-13.157 ± 0.363 $\chi^2/\text{NDF}: 1052.7/28$

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



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

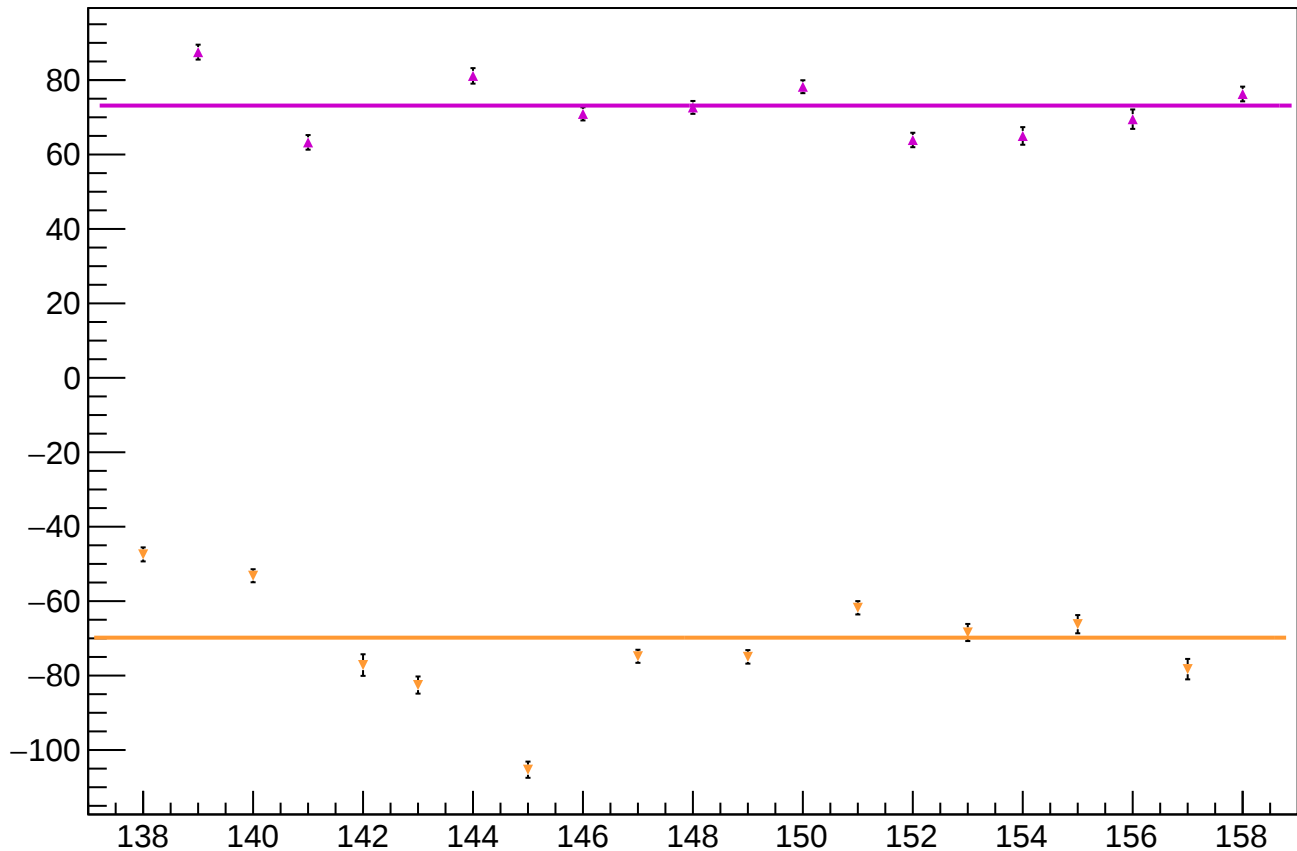
Left In: 43.421 ± 0.024 χ^2/NDF : 94490.1/9

-42.534 ± 0.020 χ^2/NDF : 152528.9/25

2.190 ± 0.014 χ^2/NDF : 9761576.6/54

42.744 ± 0.019 χ^2/NDF : 190942.2/28

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



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

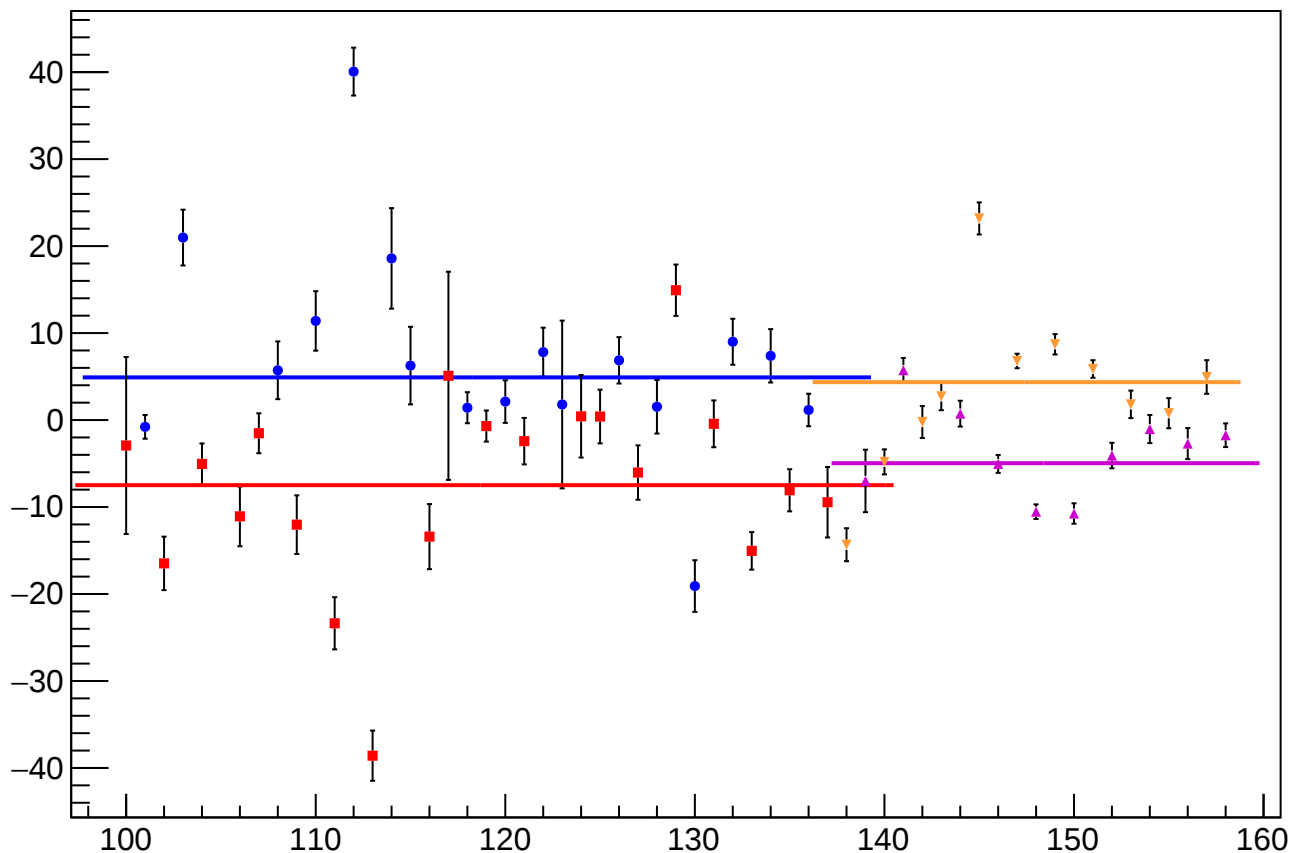
Left In: 73.151+/-0.624 χ^2/NDF : 140.4/9

-69.815+/-0.626 χ^2/NDF : 582.5/10

1.968+/-0.442 χ^2/NDF : 26883.8/20

73.151+/-0.624 χ^2/NDF : 140.4/9

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.907 ± 0.628 χ^2/NDF : 295.4/16

Left Out: 4.359 ± 0.412 χ^2/NDF : 280.8/10

Right Out: -7.486 ± 0.650 χ^2/NDF : 271.7/19

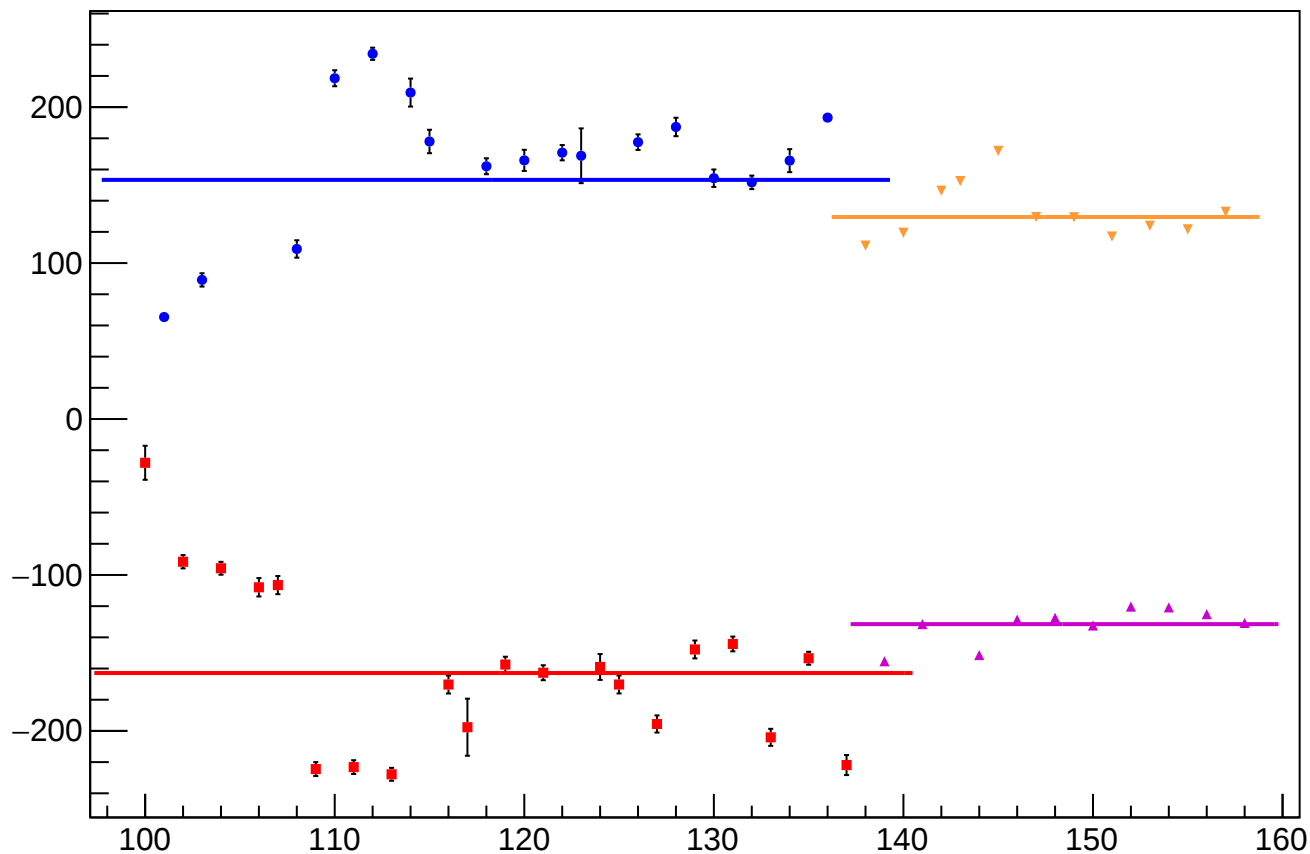
Left In: -4.956 ± 0.414 χ^2/NDF : 155.1/9

4.524 ± 0.344 χ^2/NDF : 576.8/27

-0.510 ± 0.245 χ^2/NDF : 1448.1/57

-5.686 ± 0.349 χ^2/NDF : 437.6/29

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 153.350 $\pm$ 1.150 χ^2/NDF : 2268.3/16

Left Out: 129.542 $\pm$ 0.619 χ^2/NDF : 649.8/10

Right Out: -162.878 $\pm$ 1.174 χ^2/NDF : 1712.4/19

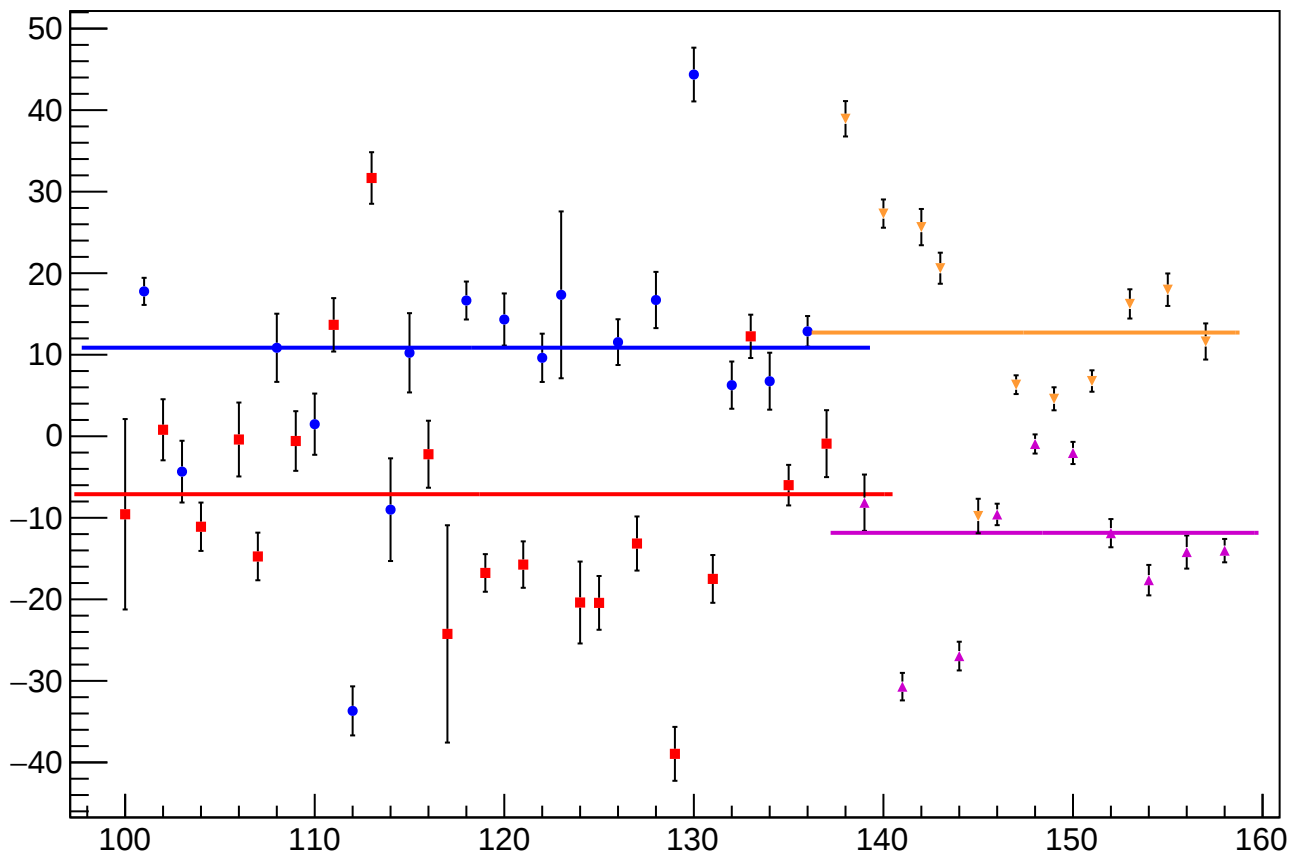
Left In: -131.526 $\pm$ 0.606 χ^2/NDF : 276.2/9

134.883 $\pm$ 0.545 χ^2/NDF : 3250.4/27

-3.128 $\pm$ 0.383 χ^2/NDF : 132748.0/57

-138.124 $\pm$ 0.539 χ^2/NDF : 2551.3/29

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.864 $\pm$ 0.719 χ^2/NDF : 387.9/16

Left Out: 12.720 $\pm$ 0.510 χ^2/NDF : 476.7/10

Right Out: -7.106 $\pm$ 0.746 χ^2/NDF : 426.4/19

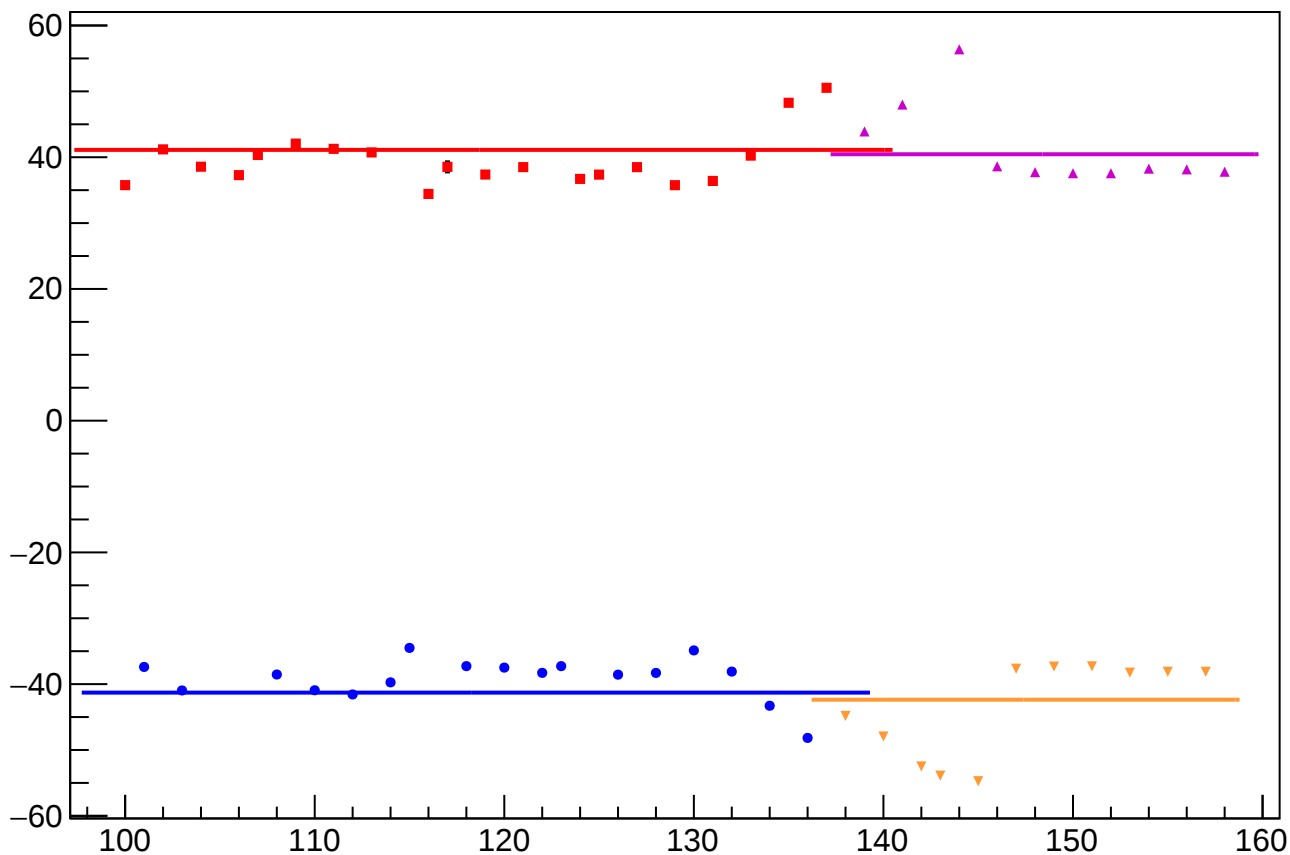
Left In: -11.842 $\pm$ 0.503 χ^2/NDF : 354.0/9

12.100 $\pm$ 0.416 χ^2/NDF : 869.0/27

0.906 $\pm$ 0.295 χ^2/NDF : 3131.4/57

-10.362 $\pm$ 0.417 χ^2/NDF : 808.1/29

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 12120.1/19$

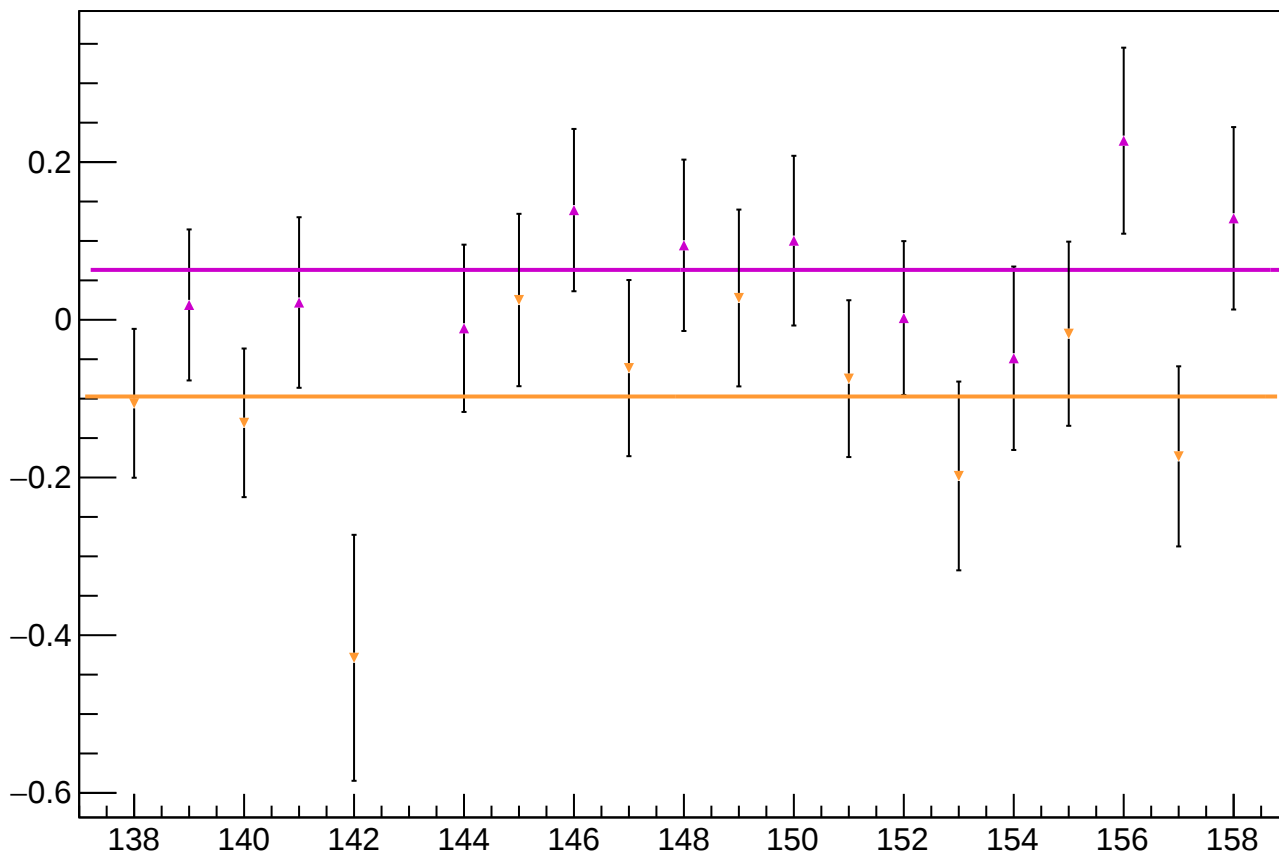
Left In: 40.451 ± 0.024 $\chi^2/\text{NDF}: 45271.0/9$

-42.047 ± 0.021 $\chi^2/\text{NDF}: 79181.4/27$

0.535 ± 0.015 $\chi^2/\text{NDF}: 8114265.8/57$

40.636 ± 0.020 $\chi^2/\text{NDF}: 57604.4/29$

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.097 $\pm$ 0.035 χ^2 /NDF: 8.9/9

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

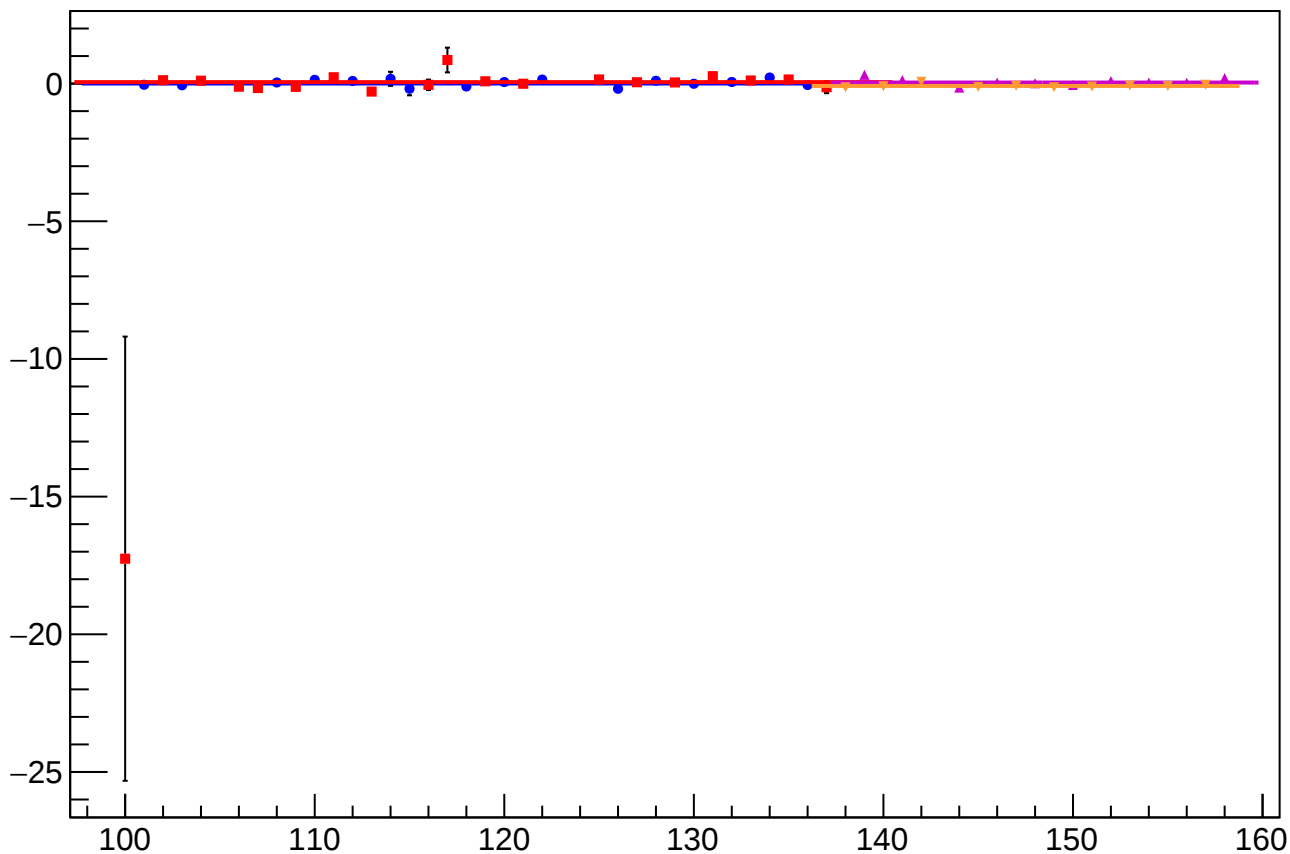
Left In: 0.063 $\pm$ 0.034 χ^2 /NDF: 5.2/9

-0.097 $\pm$ 0.035 χ^2 /NDF: 8.9/9

-0.015 $\pm$ 0.024 χ^2 /NDF: 25.1/19

0.063 $\pm$ 0.034 χ^2 /NDF: 5.2/9

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.003 ± 0.029 χ^2/NDF : 12.4/15

Left Out: -0.086 ± 0.024 χ^2/NDF : 3.5/9

Right Out: 0.053 ± 0.029 χ^2/NDF : 28.8/18

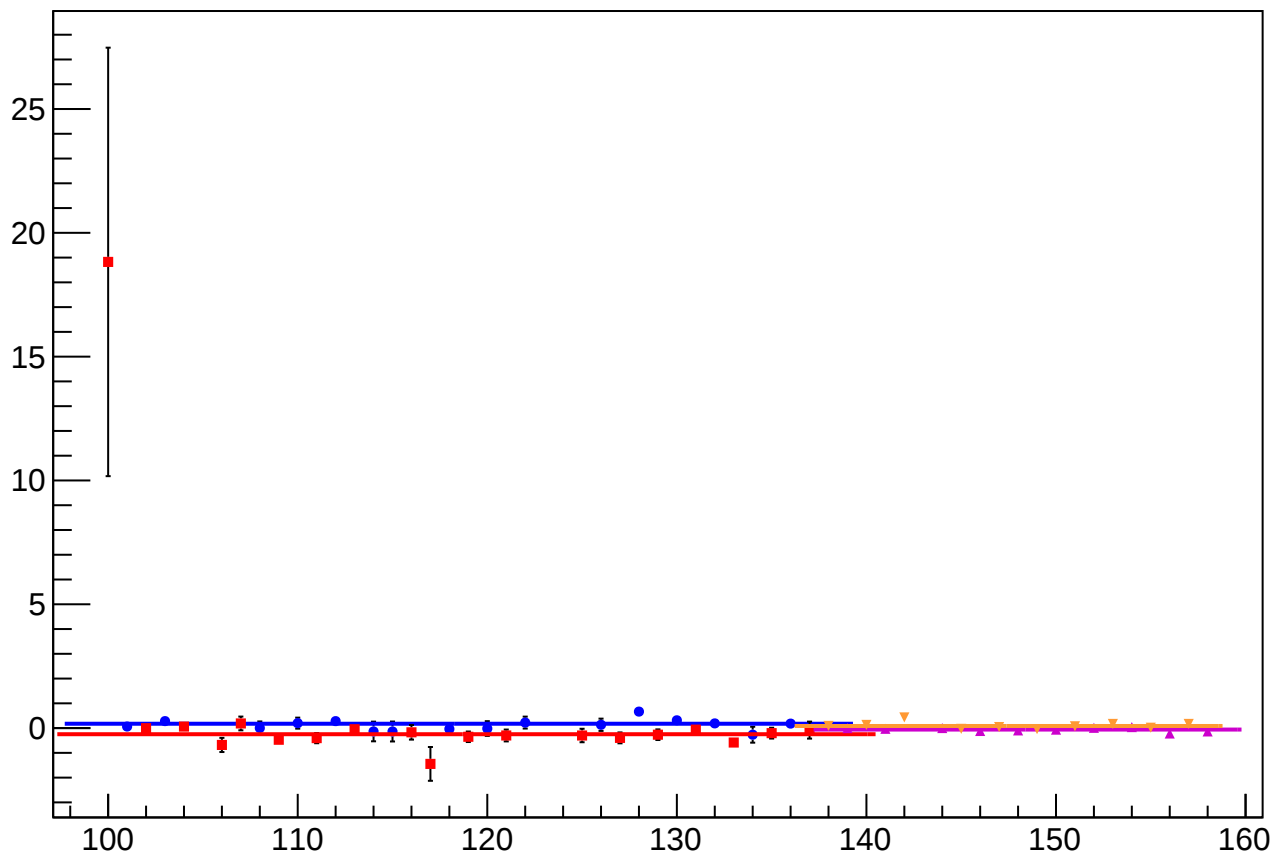
Left In: 0.038 ± 0.023 χ^2/NDF : 16.0/9

-0.049 ± 0.018 χ^2/NDF : 21.7/25

-0.003 ± 0.013 χ^2/NDF : 79.8/54

0.044 ± 0.018 χ^2/NDF : 45.0/28

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.176 ± 0.053 χ^2/NDF : 13.0/15

Left Out: 0.085 ± 0.034 χ^2/NDF : 8.7/9

Right Out: -0.247 ± 0.054 χ^2/NDF : 24.7/18

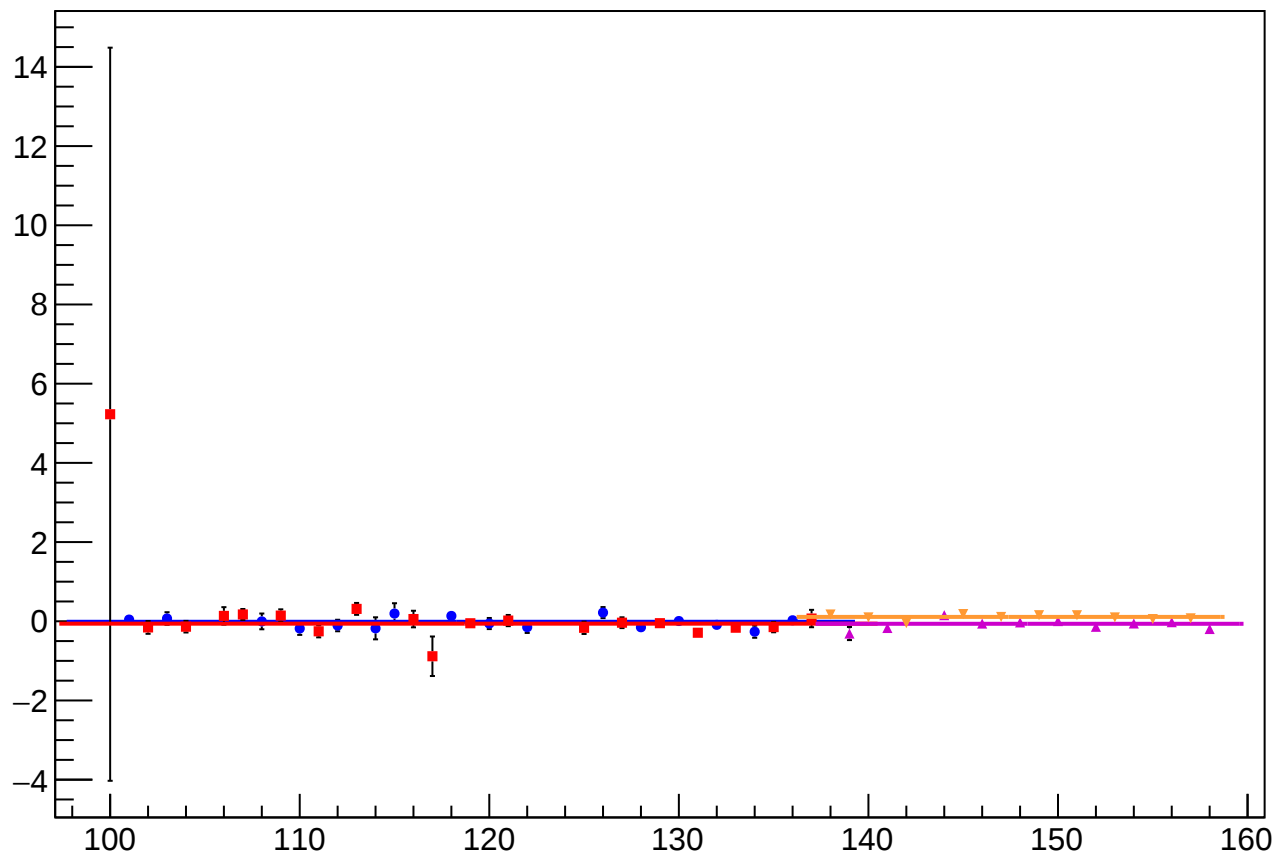
Left In: -0.059 ± 0.033 χ^2/NDF : 5.2/9

0.112 ± 0.029 χ^2/NDF : 23.8/25

-0.001 ± 0.020 χ^2/NDF : 93.3/54

-0.111 ± 0.028 χ^2/NDF : 38.7/28

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.110 ± 0.029 χ^2/NDF : 3.6/9

Right Out: -0.061 ± 0.034 χ^2/NDF : 23.1/18

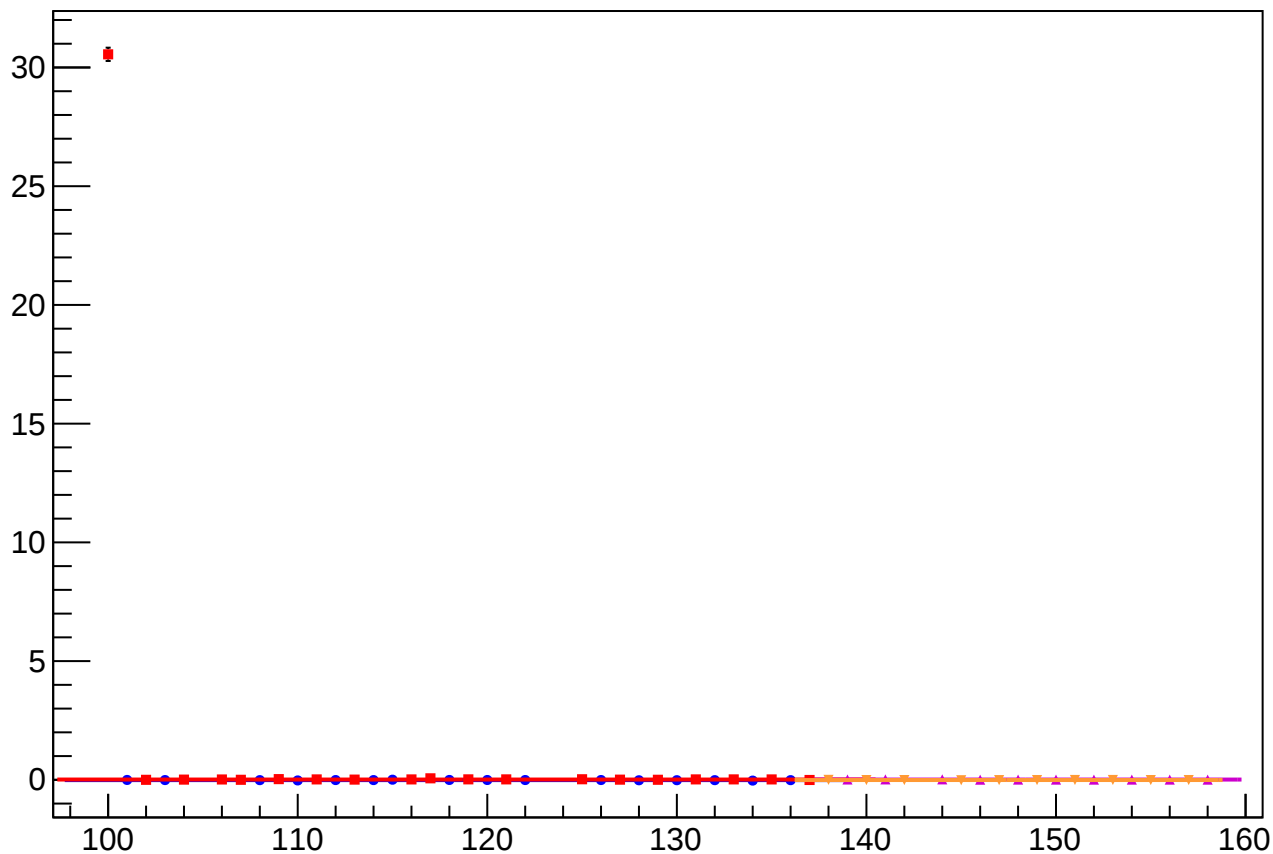
Left In: -0.063 ± 0.028 χ^2/NDF : 13.7/9

0.056 ± 0.022 χ^2/NDF : 25.2/25

-0.003 ± 0.015 χ^2/NDF : 77.0/54

-0.062 ± 0.022 χ^2/NDF : 36.8/28

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 ± 0.002 χ^2/NDF : 12.8/15

Left Out: -0.009 ± 0.001 χ^2/NDF : 8.2/9

Right Out: 0.012 ± 0.002 χ^2/NDF : 11894.0/18

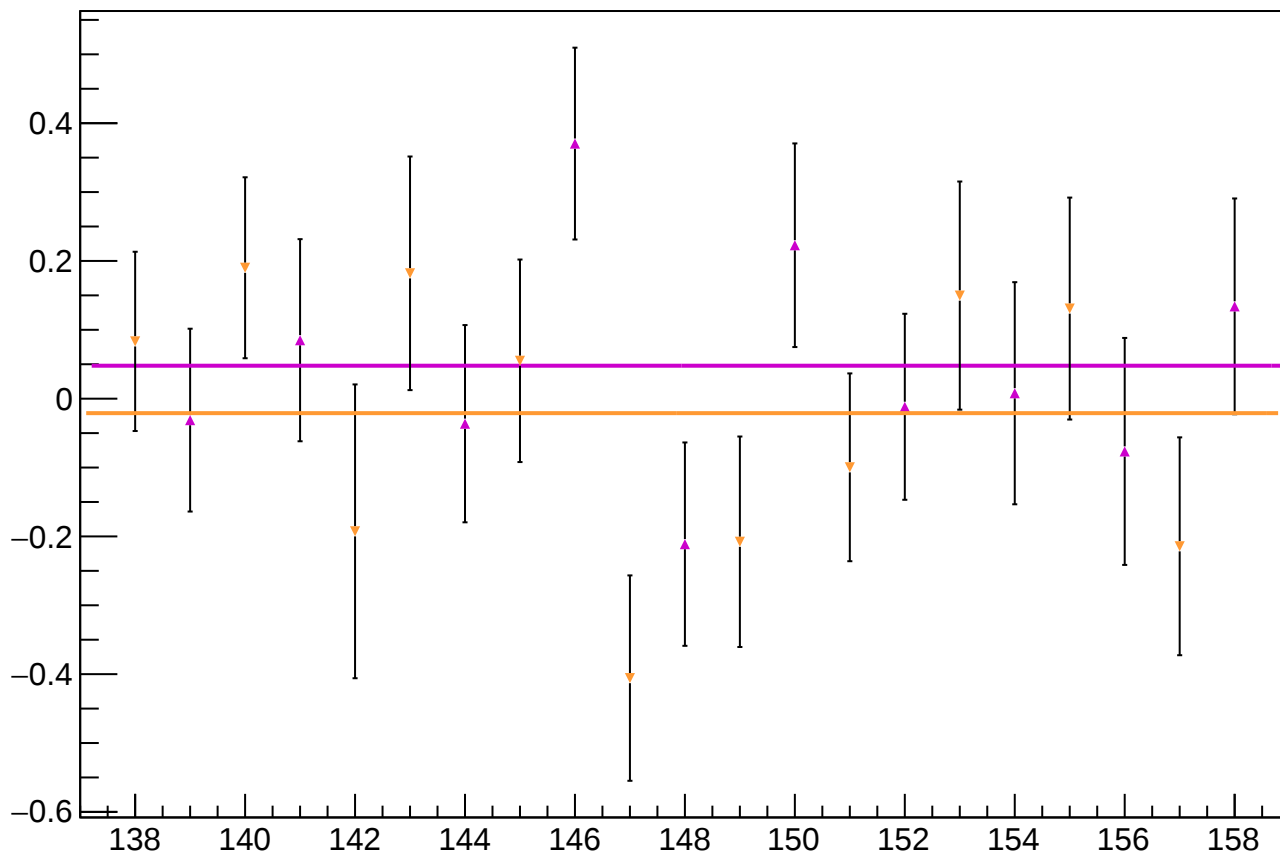
Left In: 0.011 ± 0.001 χ^2/NDF : 8.9/9

-0.010 ± 0.001 χ^2/NDF : 22.9/25

0.001 ± 0.001 χ^2/NDF : 12128.3/54

0.011 ± 0.001 χ^2/NDF : 11903.3/28

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.021 $\pm$ 0.046 χ^2 /NDF: 17.5/10

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

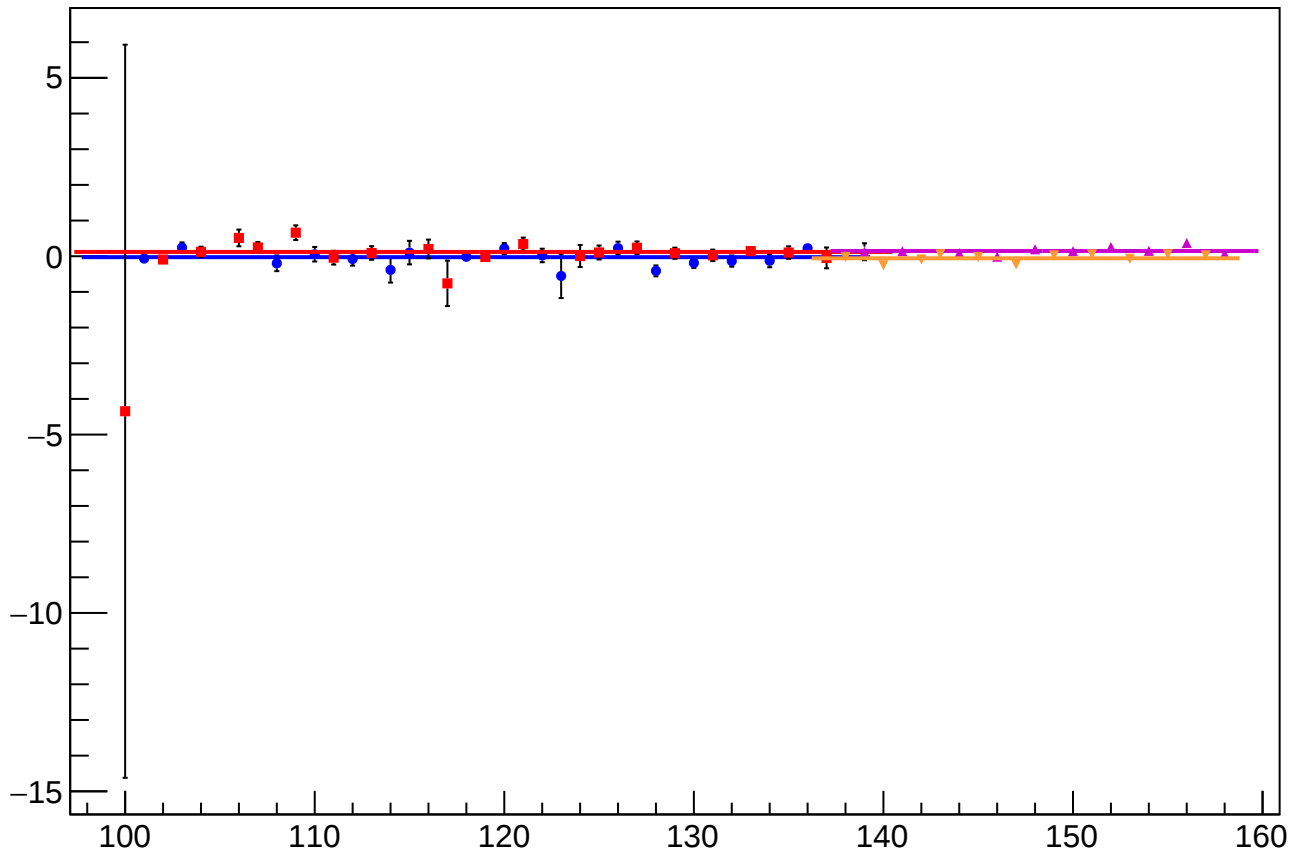
Left In: 0.048 $\pm$ 0.046 χ^2 /NDF: 11.7/9

-0.021 $\pm$ 0.046 χ^2 /NDF: 17.5/10

0.013 $\pm$ 0.033 χ^2 /NDF: 30.4/20

0.048 $\pm$ 0.046 χ^2 /NDF: 11.7/9

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.026 ± 0.037 χ^2/NDF : 22.7/16

Left Out: -0.058 ± 0.031 χ^2/NDF : 14.7/10

Right Out: 0.120 ± 0.039 χ^2/NDF : 20.2/19

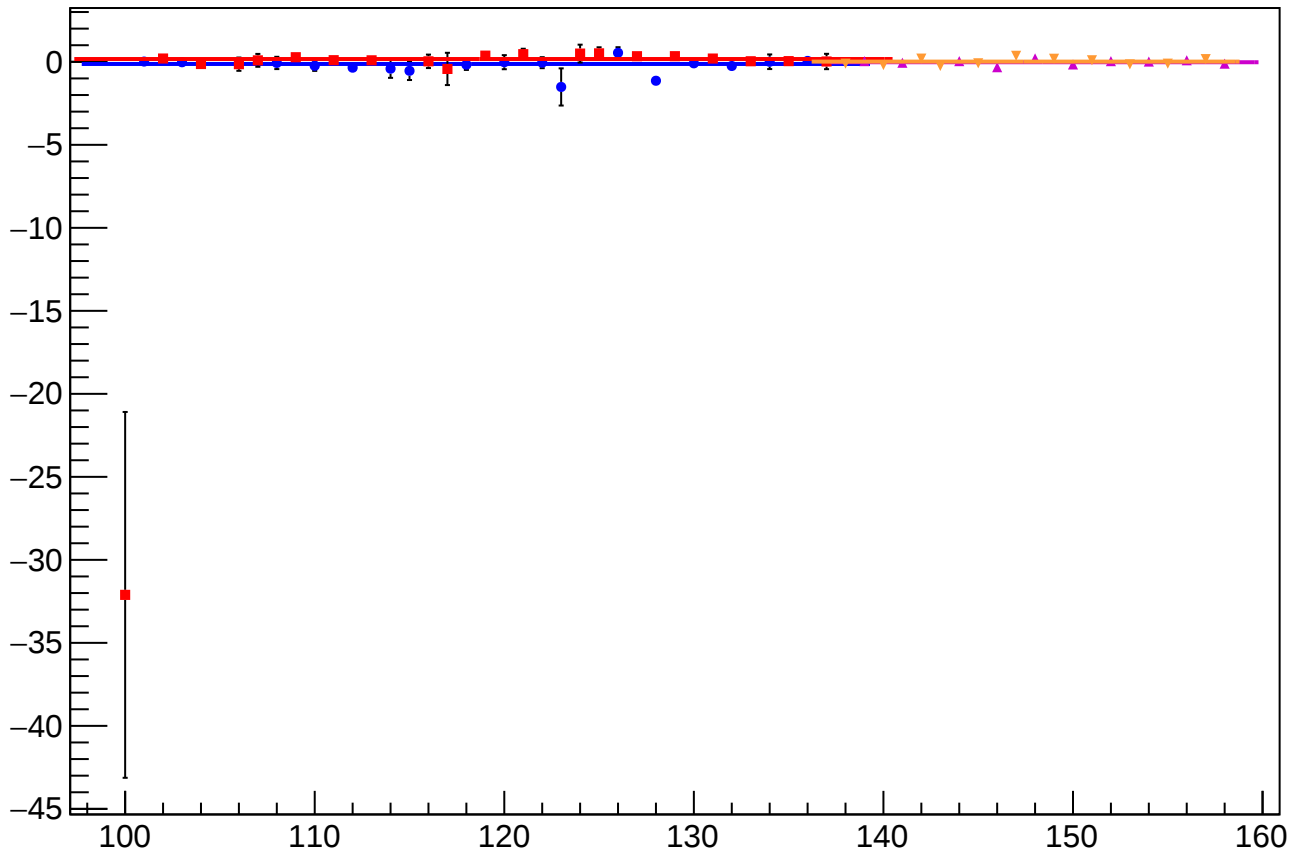
Left In: 0.147 ± 0.032 χ^2/NDF : 10.1/9

-0.045 ± 0.024 χ^2/NDF : 37.8/27

0.042 ± 0.017 χ^2/NDF : 96.2/57

0.136 ± 0.025 χ^2/NDF : 30.6/29

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.129 ± 0.067 χ^2/NDF : 23.1/16

Left Out: 0.013 ± 0.045 χ^2/NDF : 17.2/10

Right Out: 0.169 ± 0.071 χ^2/NDF : 15.3/19

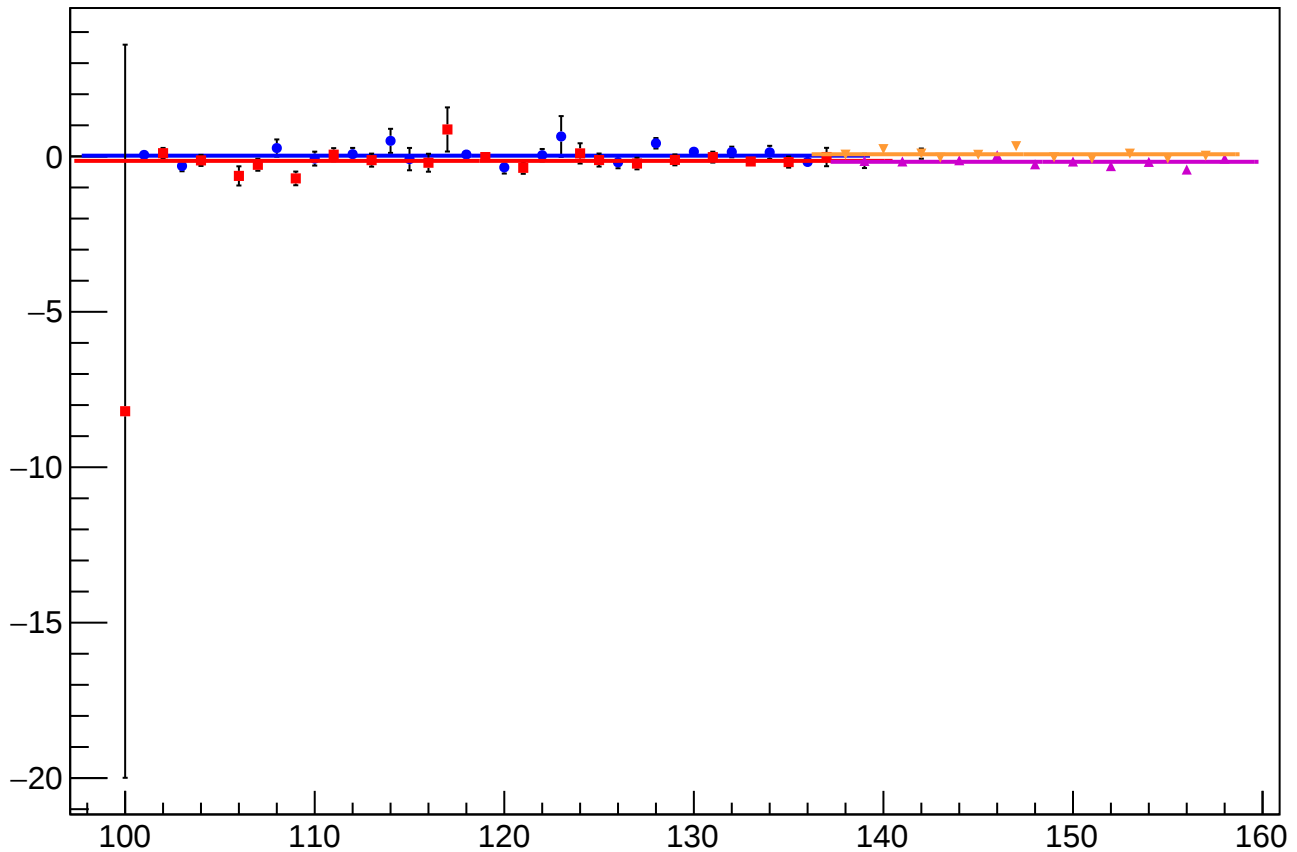
Left In: -0.025 ± 0.045 χ^2/NDF : 10.5/9

-0.031 ± 0.038 χ^2/NDF : 43.4/27

-0.001 ± 0.027 χ^2/NDF : 75.9/57

0.031 ± 0.038 χ^2/NDF : 31.1/29

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.023 ± 0.043 χ^2/NDF : 21.3/16

Left Out: 0.069 ± 0.038 χ^2/NDF : 13.3/10

Right Out: -0.144 ± 0.045 χ^2/NDF : 18.6/19

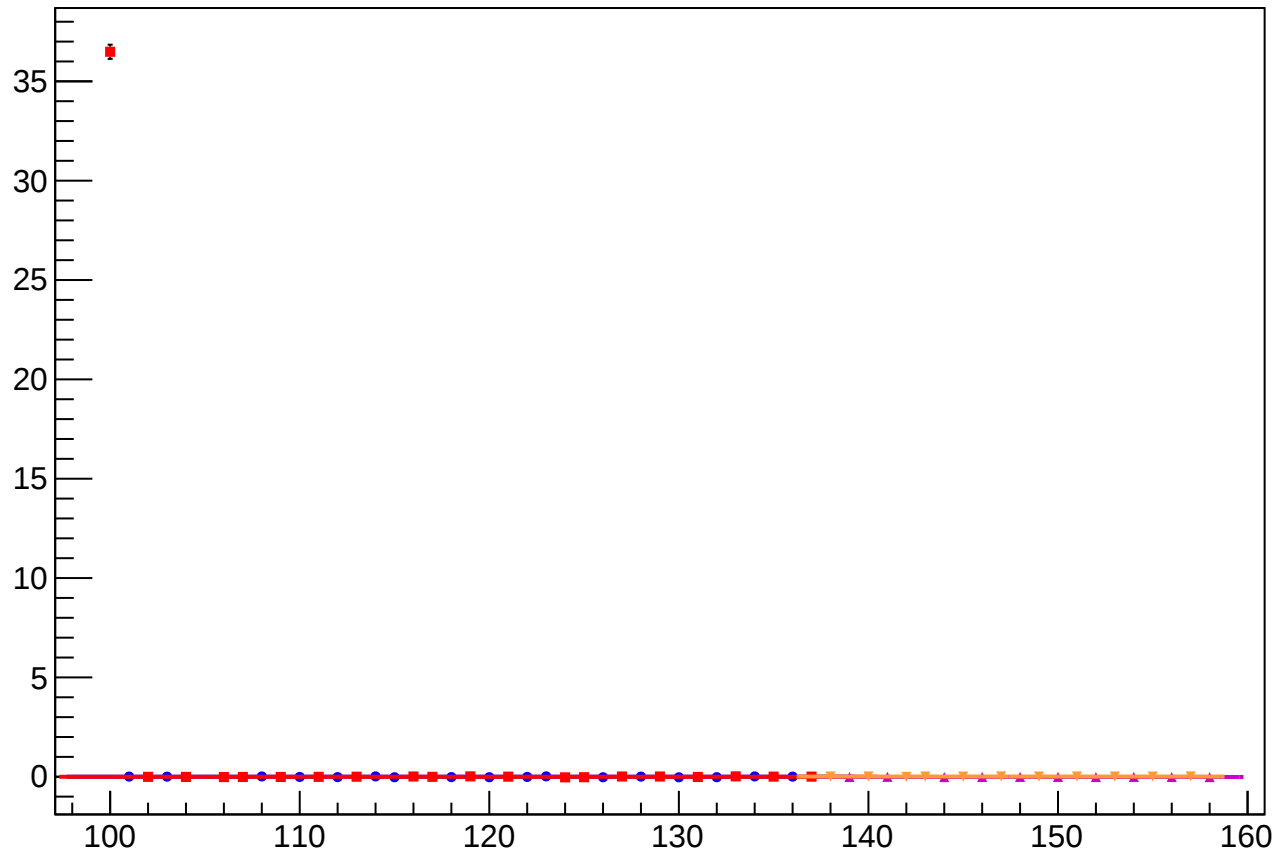
Left In: -0.174 ± 0.038 χ^2/NDF : 10.7/9

0.049 ± 0.028 χ^2/NDF : 35.2/27

-0.053 ± 0.020 χ^2/NDF : 91.3/57

-0.161 ± 0.029 χ^2/NDF : 29.6/29

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



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

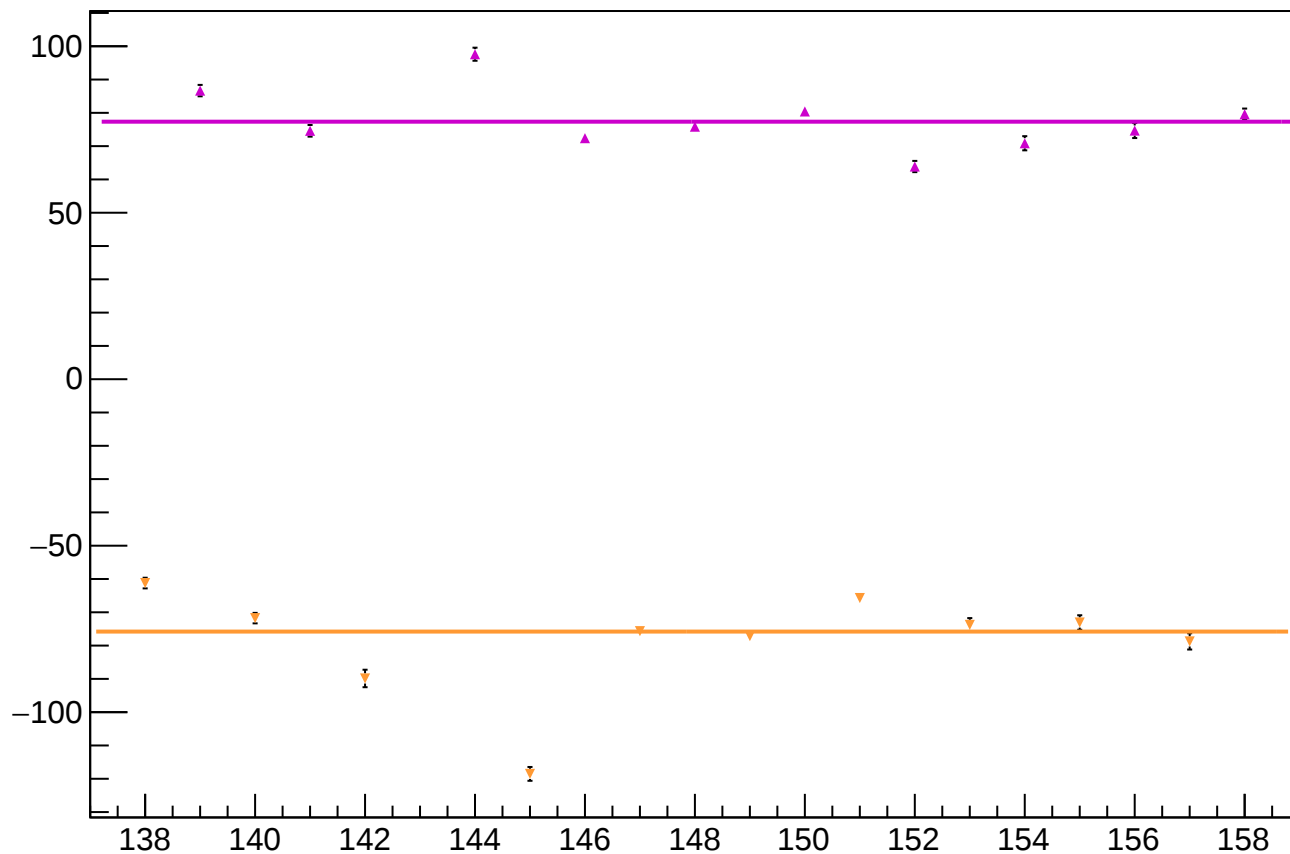
Left In: -0.011 $\pm$ 0.002 χ^2 /NDF: 4.7/9

0.007 $\pm$ 0.001 χ^2 /NDF: 46.3/27

-0.000 $\pm$ 0.001 χ^2 /NDF: 10564.6/57

-0.007 $\pm$ 0.001 χ^2 /NDF: 10466.2/29

reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -75.792+/-0.555 χ^2/NDF : 594.3/9

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

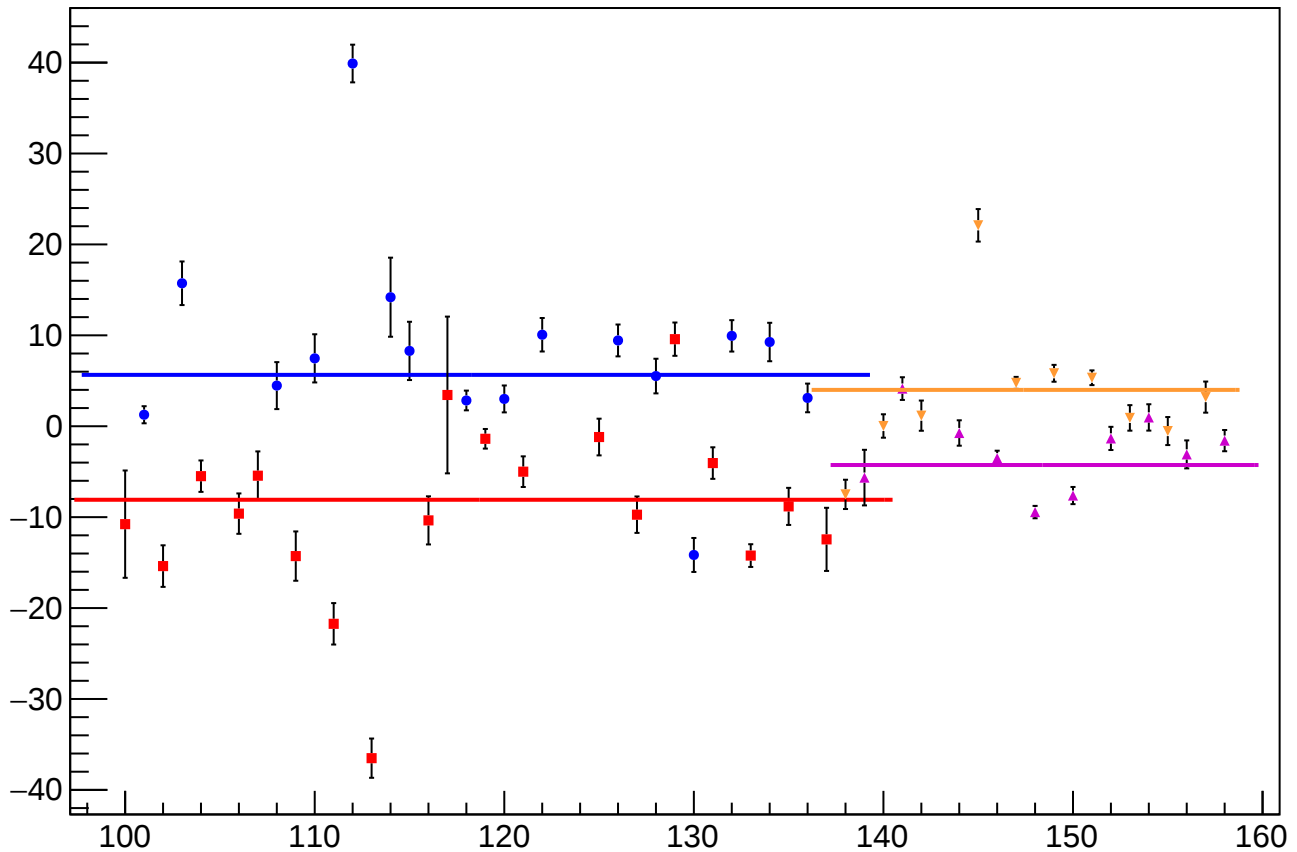
Left In: 77.344+/-0.531 χ^2/NDF : 232.5/9

-75.792+/-0.555 χ^2/NDF : 594.3/9

4.167+/-0.383 χ^2/NDF : 40627.7/19

77.344+/-0.531 χ^2/NDF : 232.5/9

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.651 ± 0.429 χ^2/NDF : 461.9/15

Left Out: 3.999 ± 0.355 χ^2/NDF : 187.4/9

Right Out: -8.087 ± 0.452 χ^2/NDF : 409.7/18

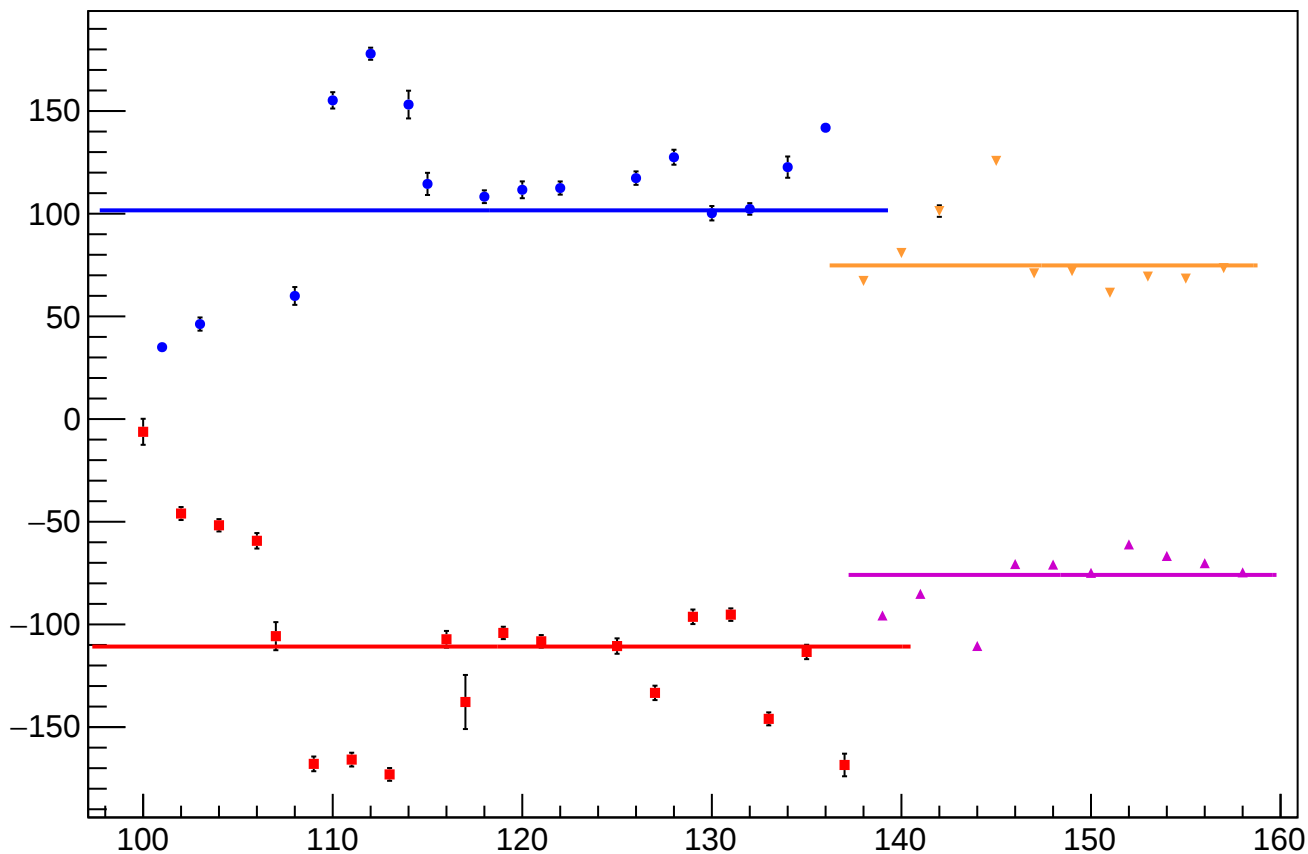
Left In: -4.264 ± 0.348 χ^2/NDF : 147.1/9

4.671 ± 0.274 χ^2/NDF : 658.1/25

-0.468 ± 0.194 χ^2/NDF : 1970.5/54

-5.689 ± 0.276 χ^2/NDF : 601.7/28

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 101.630 $\pm$ 0.812 χ^2/NDF : 2980.2/15

Left Out: 74.818 $\pm$ 0.542 χ^2/NDF : 801.2/9

Right Out: -110.778 $\pm$ 0.834 χ^2/NDF : 2518.3/18

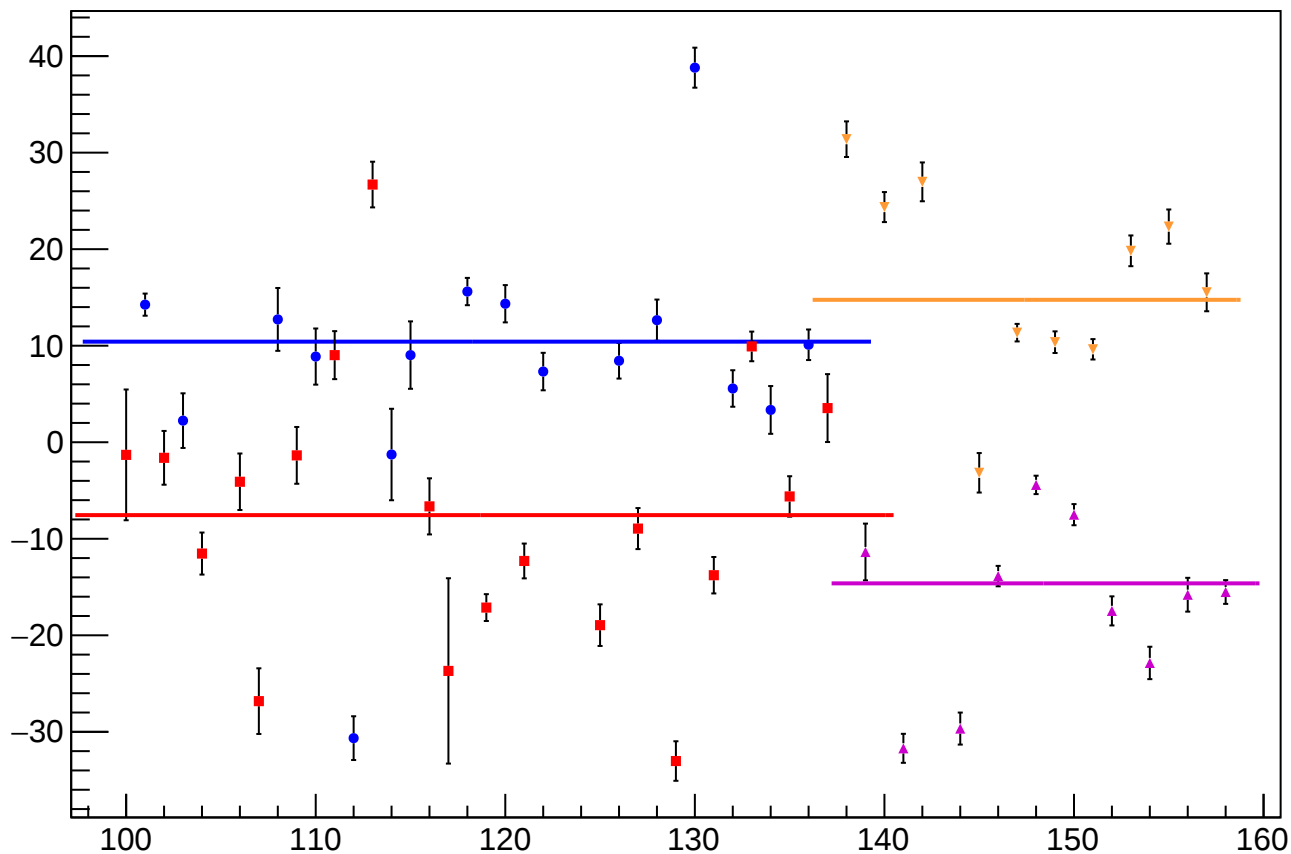
Left In: -75.888 $\pm$ 0.514 χ^2/NDF : 553.1/9

83.086 $\pm$ 0.451 χ^2/NDF : 4535.4/25

-3.686 $\pm$ 0.314 χ^2/NDF : 80810.9/54

-85.495 $\pm$ 0.438 χ^2/NDF : 4338.3/28

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.420 ± 0.497 χ^2/NDF : 579.7/15

Left Out: 14.753 ± 0.444 χ^2/NDF : 314.6/9

Right Out: -7.550 ± 0.522 χ^2/NDF : 692.3/18

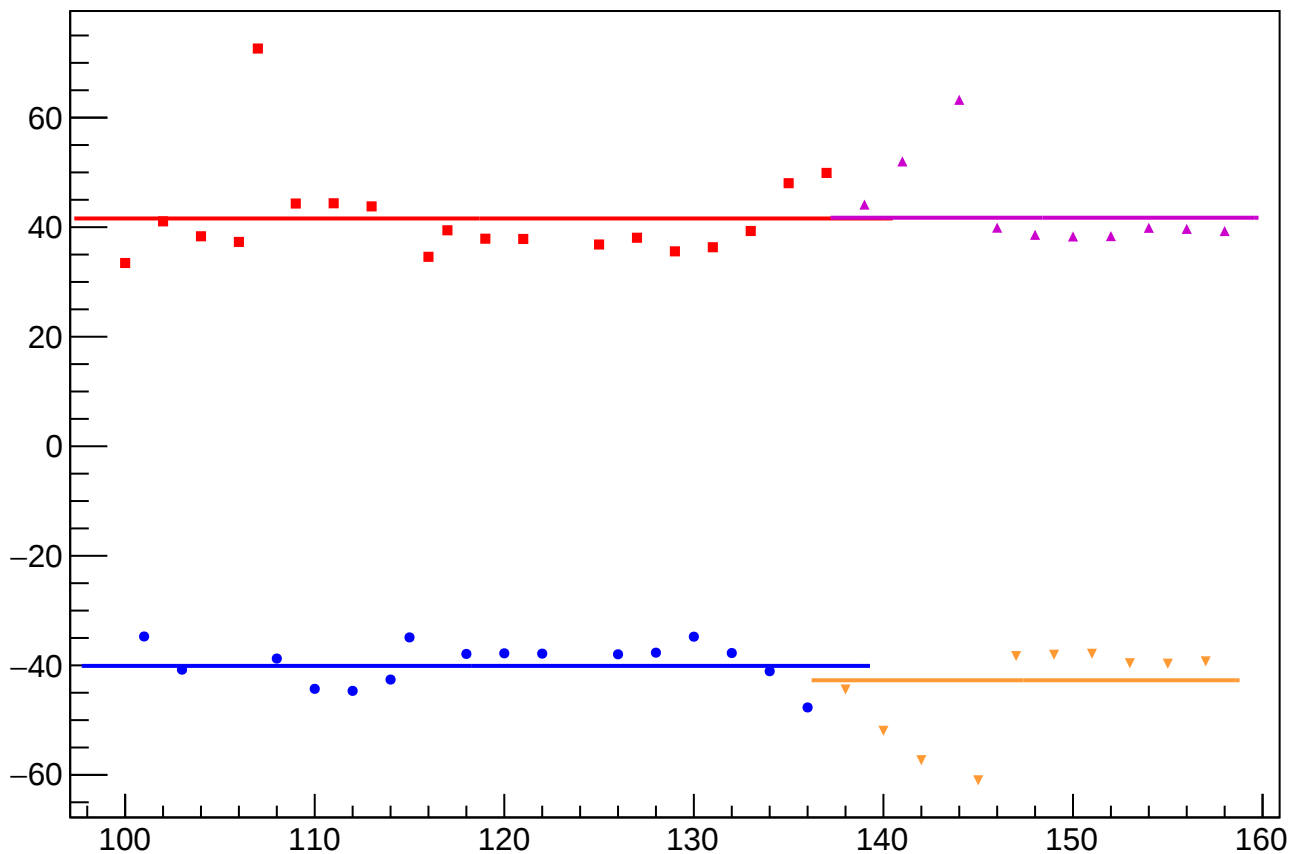
Left In: -14.620 ± 0.425 χ^2/NDF : 398.6/9

12.831 ± 0.331 χ^2/NDF : 936.6/25

0.458 ± 0.234 χ^2/NDF : 4914.4/54

-11.803 ± 0.330 χ^2/NDF : 1201.0/28

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.098 ± 0.028 χ^2/NDF : 25073.4/15

Left Out: -42.722 ± 0.022 χ^2/NDF : 102849.8/9

Right Out: 41.588 ± 0.029 χ^2/NDF : 61690.5/18

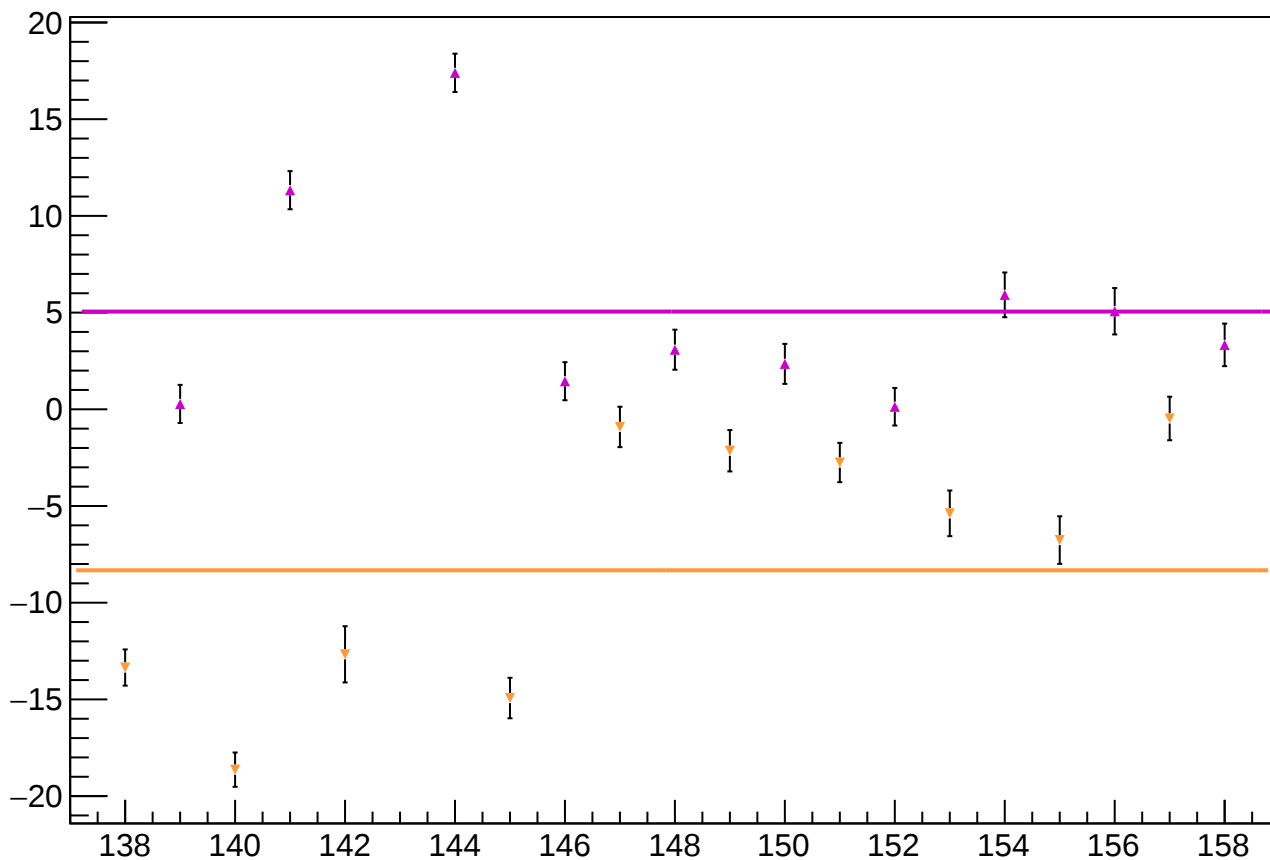
Left In: 41.725 ± 0.020 χ^2/NDF : 88287.2/9

-41.725 ± 0.017 χ^2/NDF : 133246.3/25

2.001 ± 0.012 χ^2/NDF : 12256596.0/54

41.679 ± 0.017 χ^2/NDF : 149993.1/28

reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

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

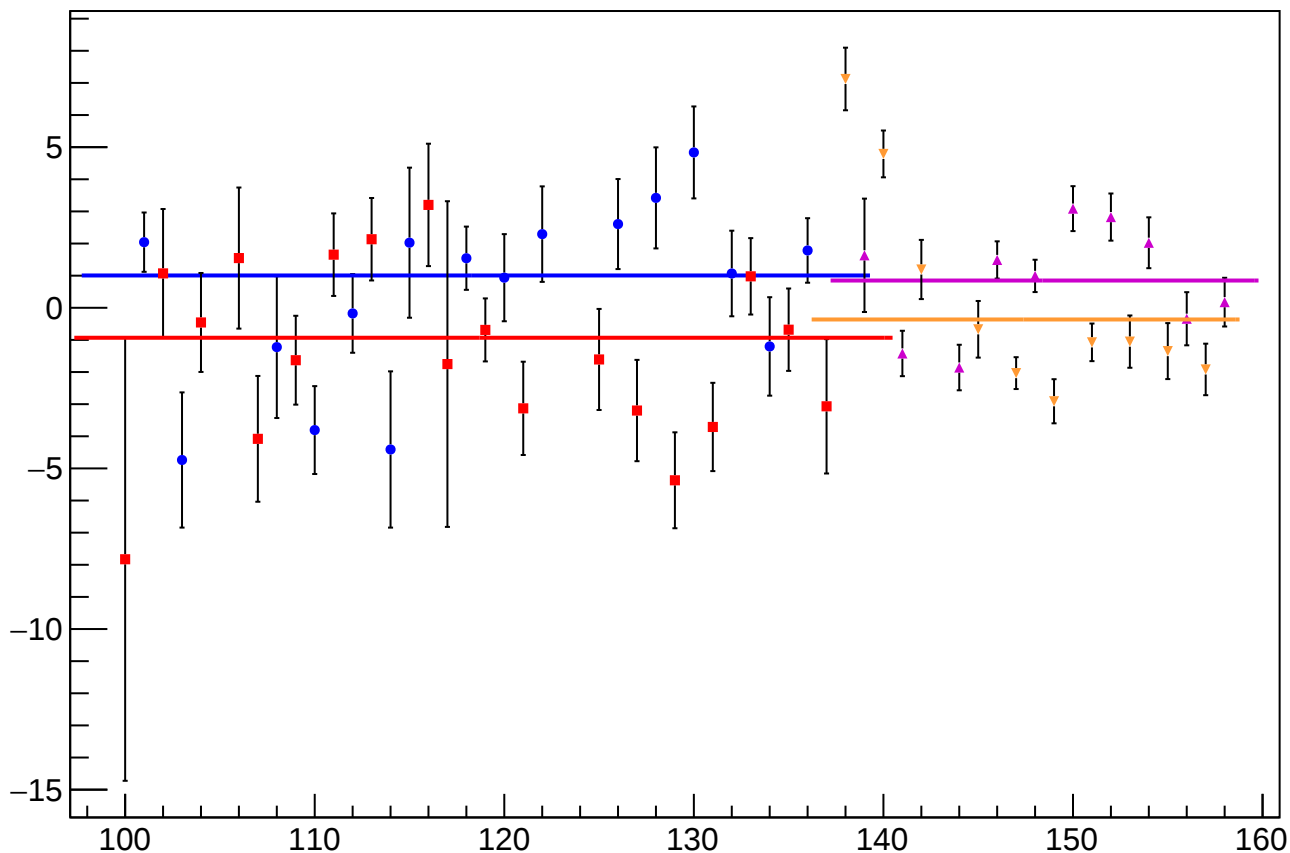
Left In: 5.053 $\pm$ 0.328 χ^2 /NDF: 271.4/9

-8.324 $\pm$ 0.338 χ^2 /NDF: 383.1/9

-1.422 $\pm$ 0.235 χ^2 /NDF: 1460.3/19

5.053 $\pm$ 0.328 χ^2 /NDF: 271.4/9

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.006 ± 0.342 $\chi^2/\text{NDF}: 42.7/15$

Left Out: -0.364 ± 0.230 $\chi^2/\text{NDF}: 144.3/9$

Right Out: -0.933 ± 0.352 $\chi^2/\text{NDF}: 41.9/18$

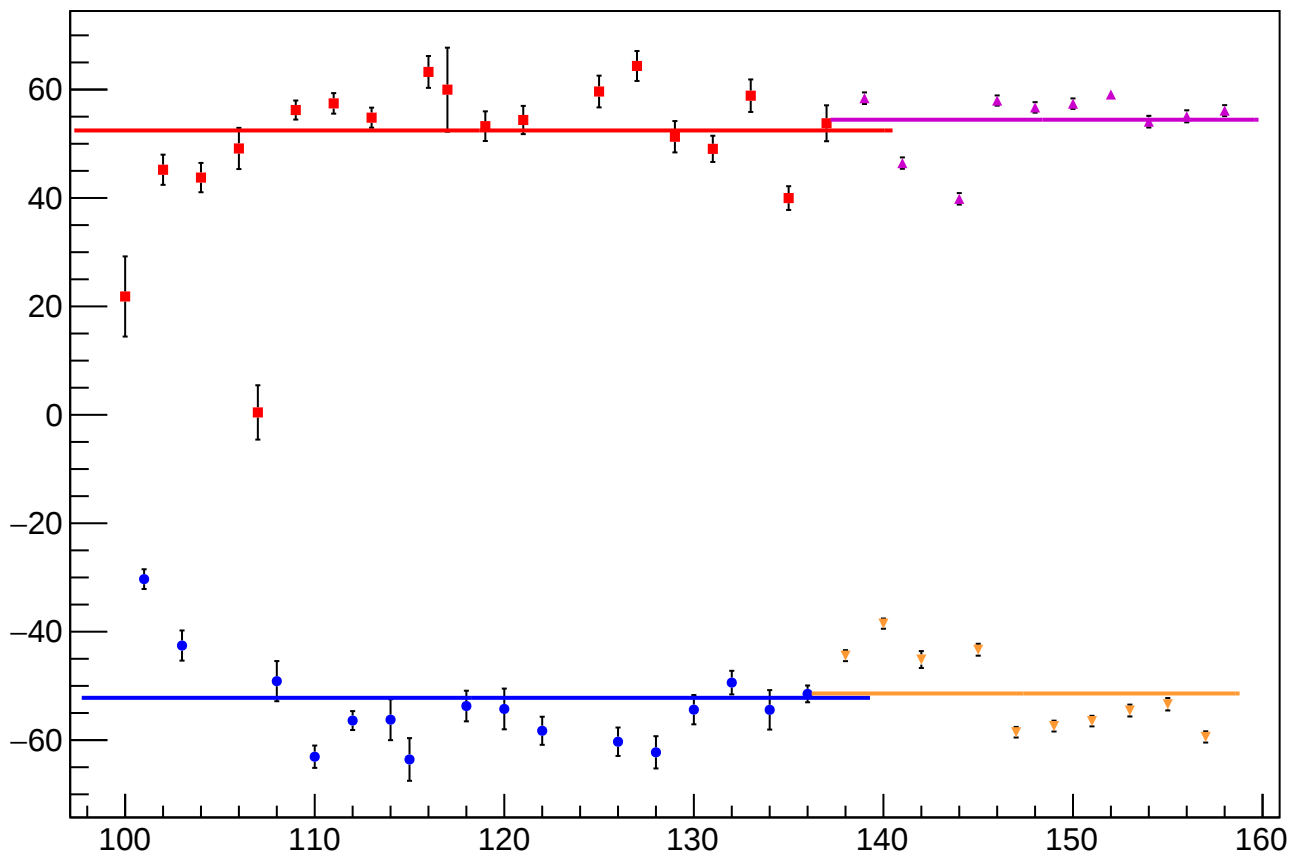
Left In: 0.849 ± 0.224 $\chi^2/\text{NDF}: 49.0/9$

0.064 ± 0.191 $\chi^2/\text{NDF}: 198.1/25$

0.201 ± 0.134 $\chi^2/\text{NDF}: 308.2/54$

0.336 ± 0.189 $\chi^2/\text{NDF}: 109.1/28$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.200 ± 0.615 χ^2/NDF : 230.6/15

Left Out: -51.399 ± 0.334 χ^2/NDF : 492.0/9

Right Out: 52.455 ± 0.614 χ^2/NDF : 234.8/18

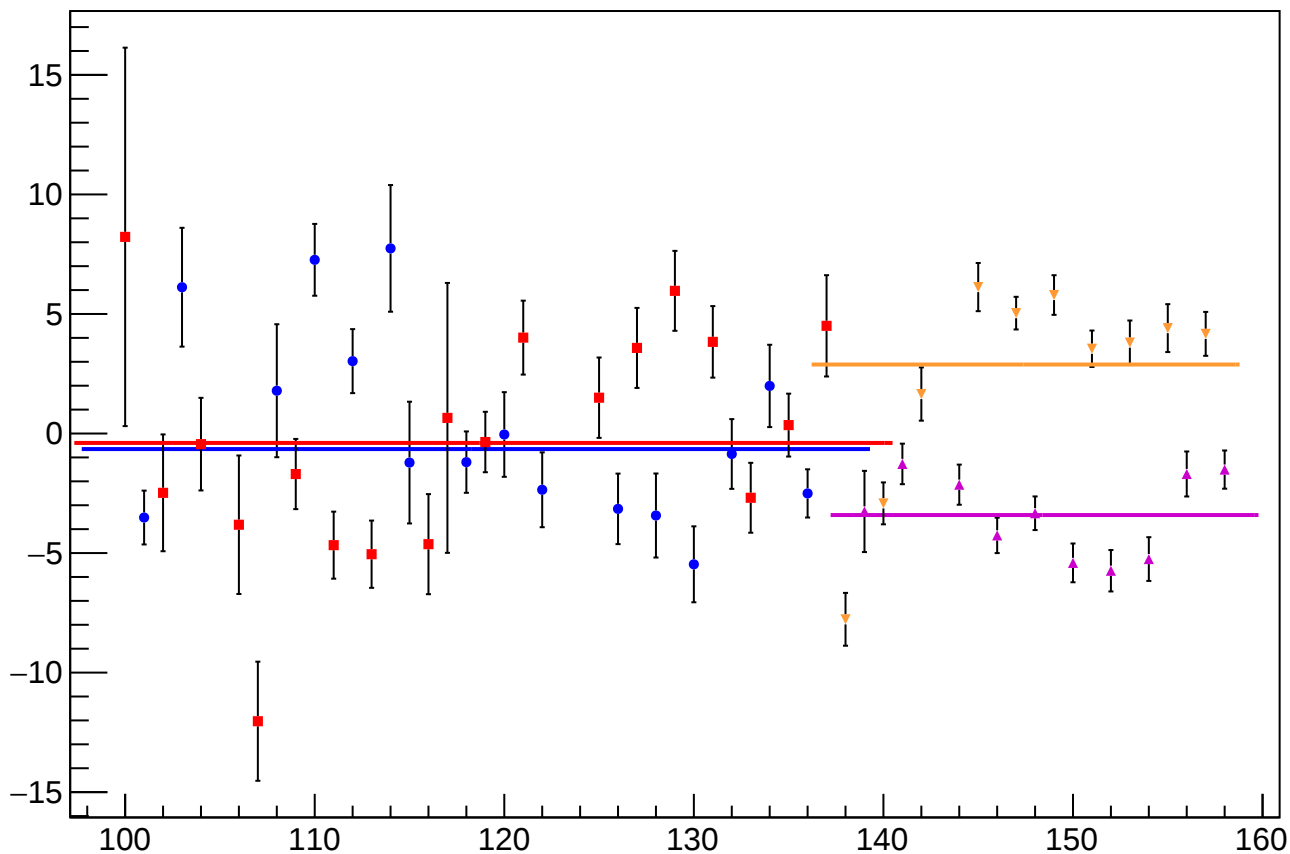
Left In: 54.435 ± 0.321 χ^2/NDF : 318.2/9

-51.582 ± 0.293 χ^2/NDF : 723.9/25

2.913 ± 0.204 χ^2/NDF : 68103.7/54

54.011 ± 0.284 χ^2/NDF : 561.3/28

reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.651 ± 0.387 χ^2/NDF : 81.9/15

Left Out: 2.886 ± 0.282 χ^2/NDF : 176.7/9

Right Out: -0.394 ± 0.398 χ^2/NDF : 95.9/18

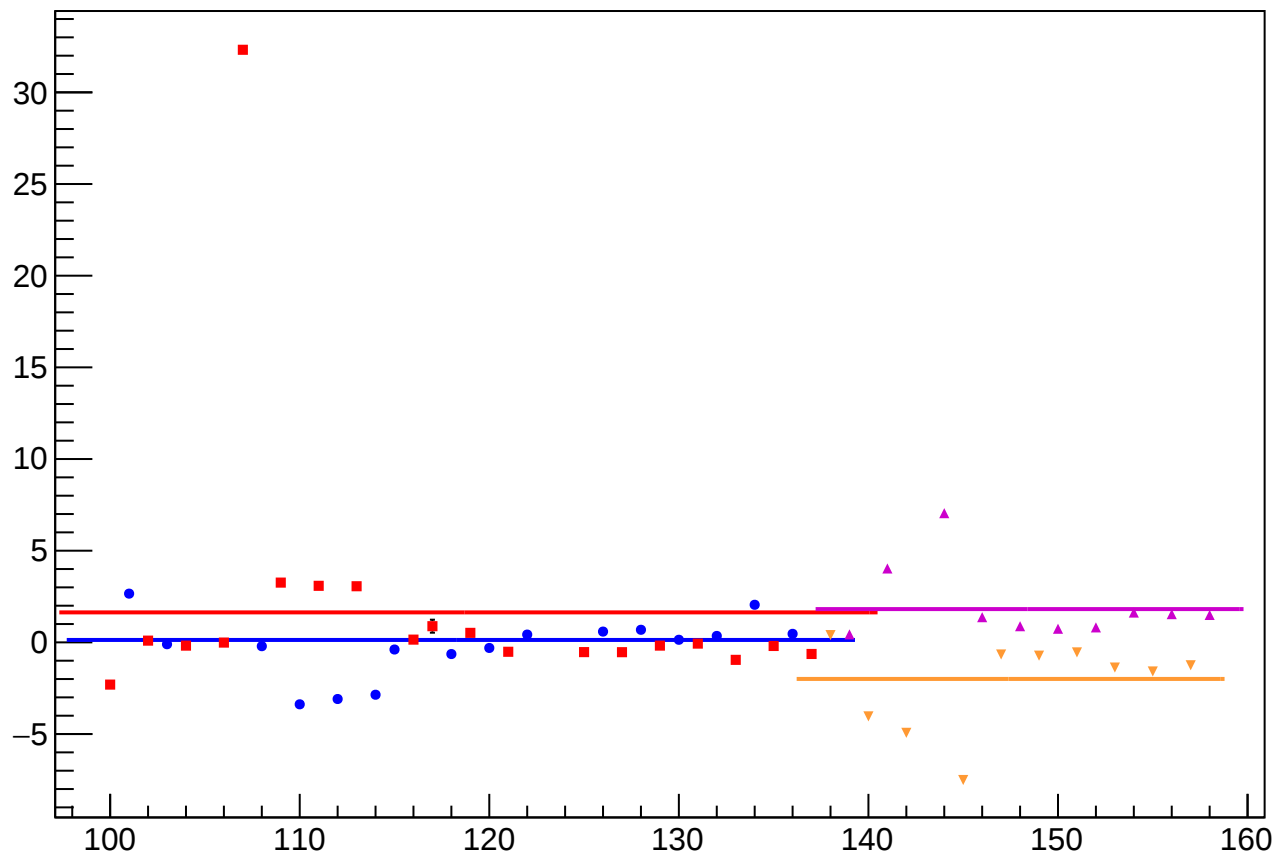
Left In: -3.410 ± 0.270 χ^2/NDF : 36.4/9

1.660 ± 0.228 χ^2/NDF : 313.2/25

-0.441 ± 0.159 χ^2/NDF : 651.7/54

-2.462 ± 0.223 χ^2/NDF : 171.6/28

reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.132 ± 0.022 $\chi^2/\text{NDF}: 5247.5/15$

Left Out: -1.994 ± 0.013 $\chi^2/\text{NDF}: 28309.9/9$

Right Out: 1.635 ± 0.022 $\chi^2/\text{NDF}: 77852.9/18$

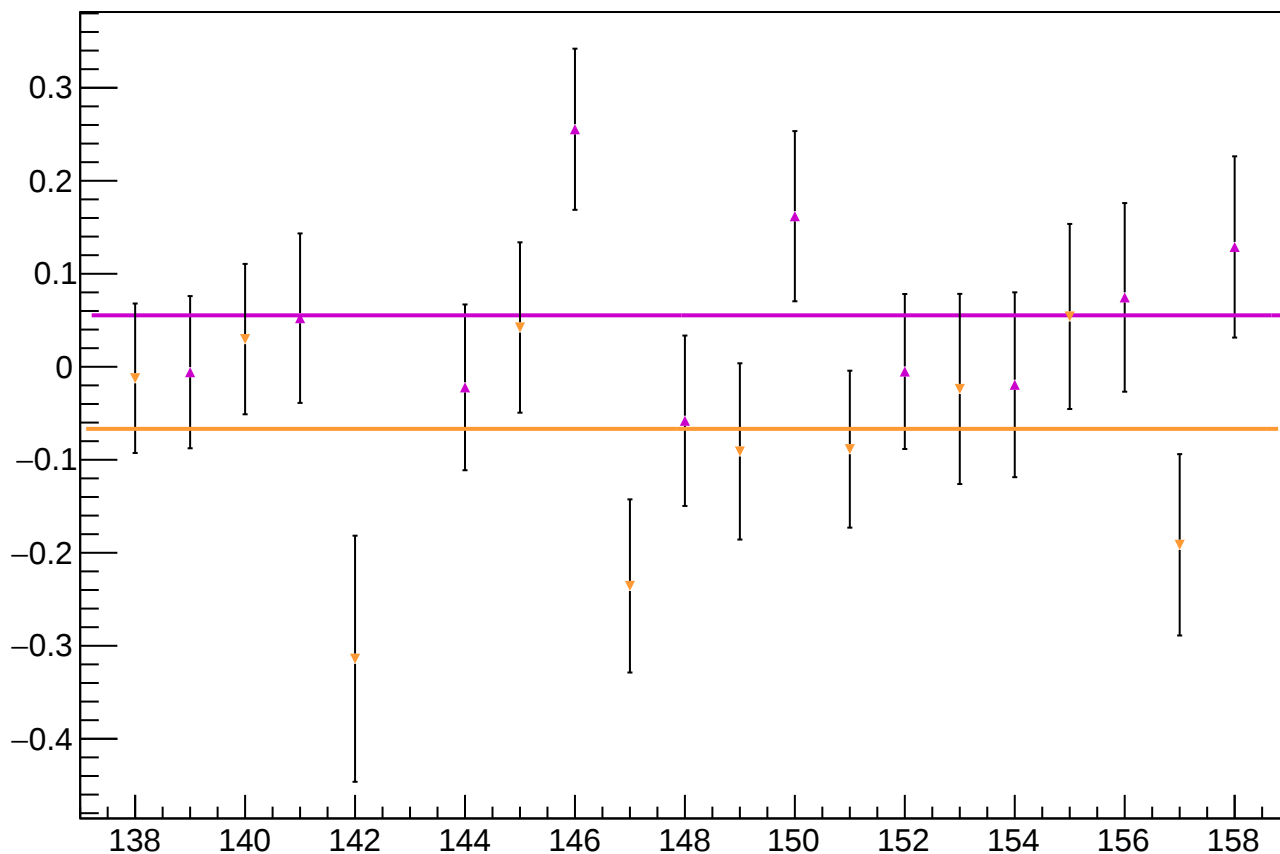
Left In: 1.815 ± 0.013 $\chi^2/\text{NDF}: 18989.8/9$

-1.412 ± 0.011 $\chi^2/\text{NDF}: 40620.6/25$

0.237 ± 0.008 $\chi^2/\text{NDF}: 178764.0/54$

1.770 ± 0.011 $\chi^2/\text{NDF}: 96893.8/28$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.067+/-0.029 χ^2/NDF : 13.5/9

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

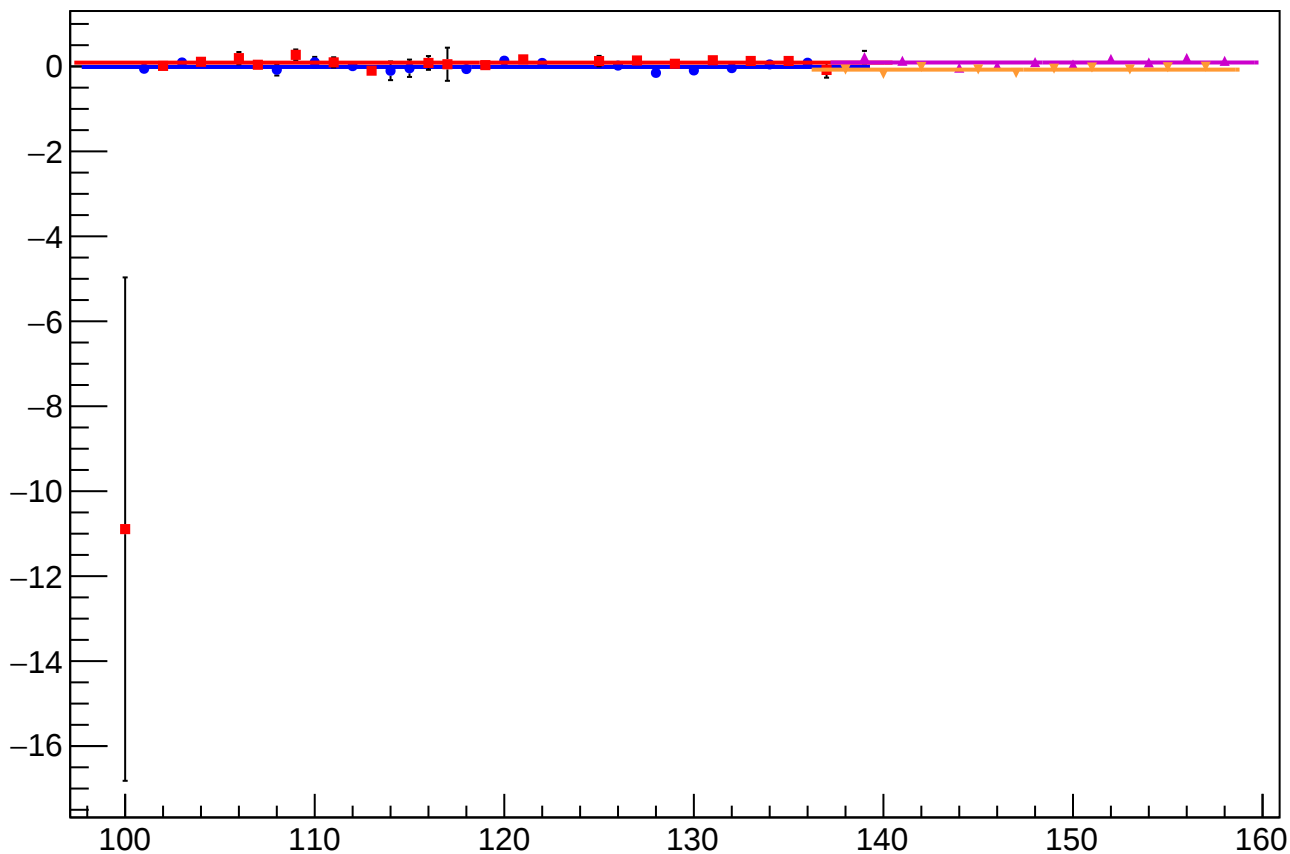
Left In: 0.055+/-0.029 χ^2/NDF : 11.2/9

-0.067+/-0.029 χ^2/NDF : 13.5/9

-0.004+/-0.021 χ^2/NDF : 33.5/19

0.055+/-0.029 χ^2/NDF : 11.2/9

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.013 $\pm$ 0.023 χ^2/NDF : 11.7/15

Left Out: -0.076 $\pm$ 0.020 χ^2/NDF : 9.0/9

Right Out: 0.089 $\pm$ 0.025 χ^2/NDF : 13.0/18

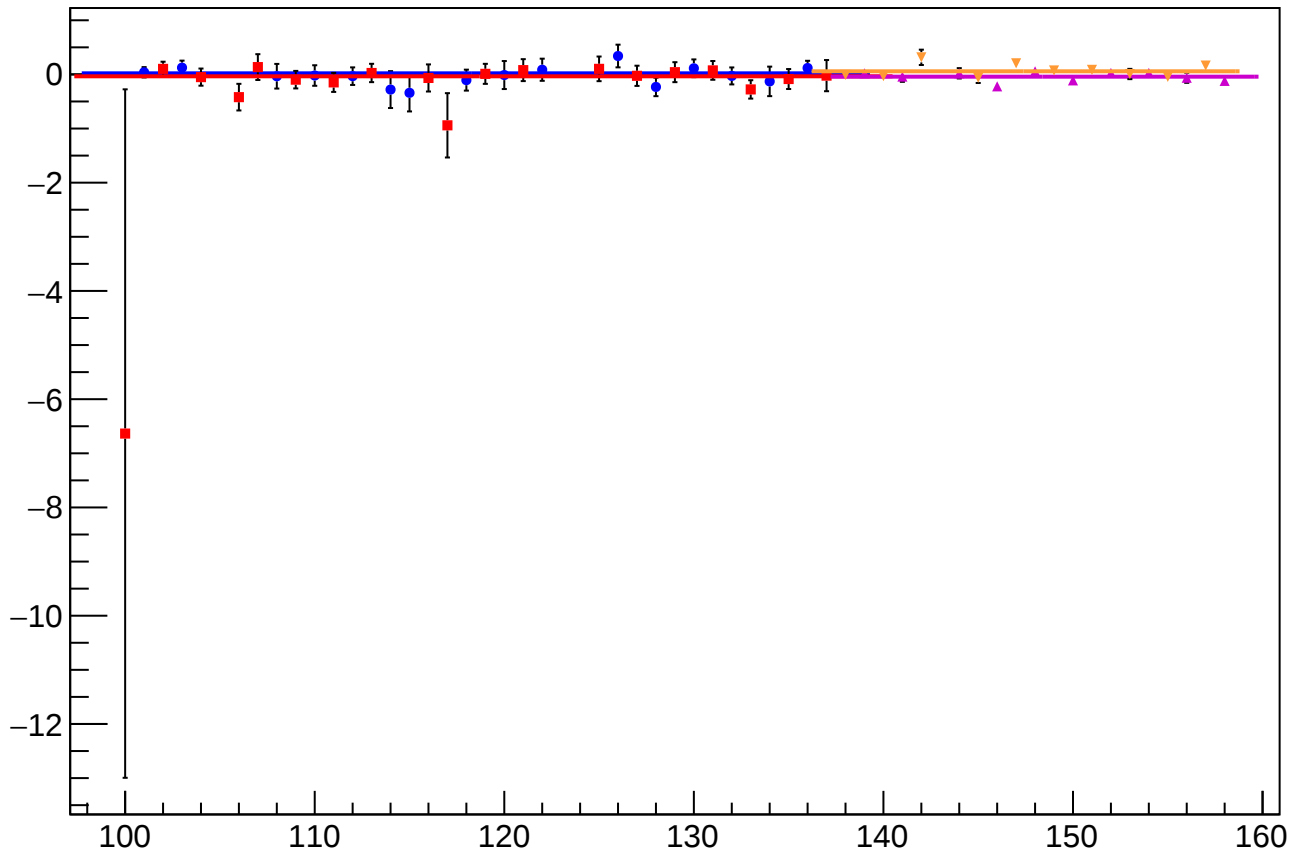
Left In: 0.092 $\pm$ 0.020 χ^2/NDF : 12.3/9

-0.049 $\pm$ 0.015 χ^2/NDF : 24.7/25

0.020 $\pm$ 0.011 χ^2/NDF : 91.8/54

0.091 $\pm$ 0.015 χ^2/NDF : 25.3/28

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.020 ± 0.043 χ^2/NDF : 9.1/15

Left Out: 0.058 ± 0.029 χ^2/NDF : 12.5/9

Right Out: -0.035 ± 0.045 χ^2/NDF : 11.6/18

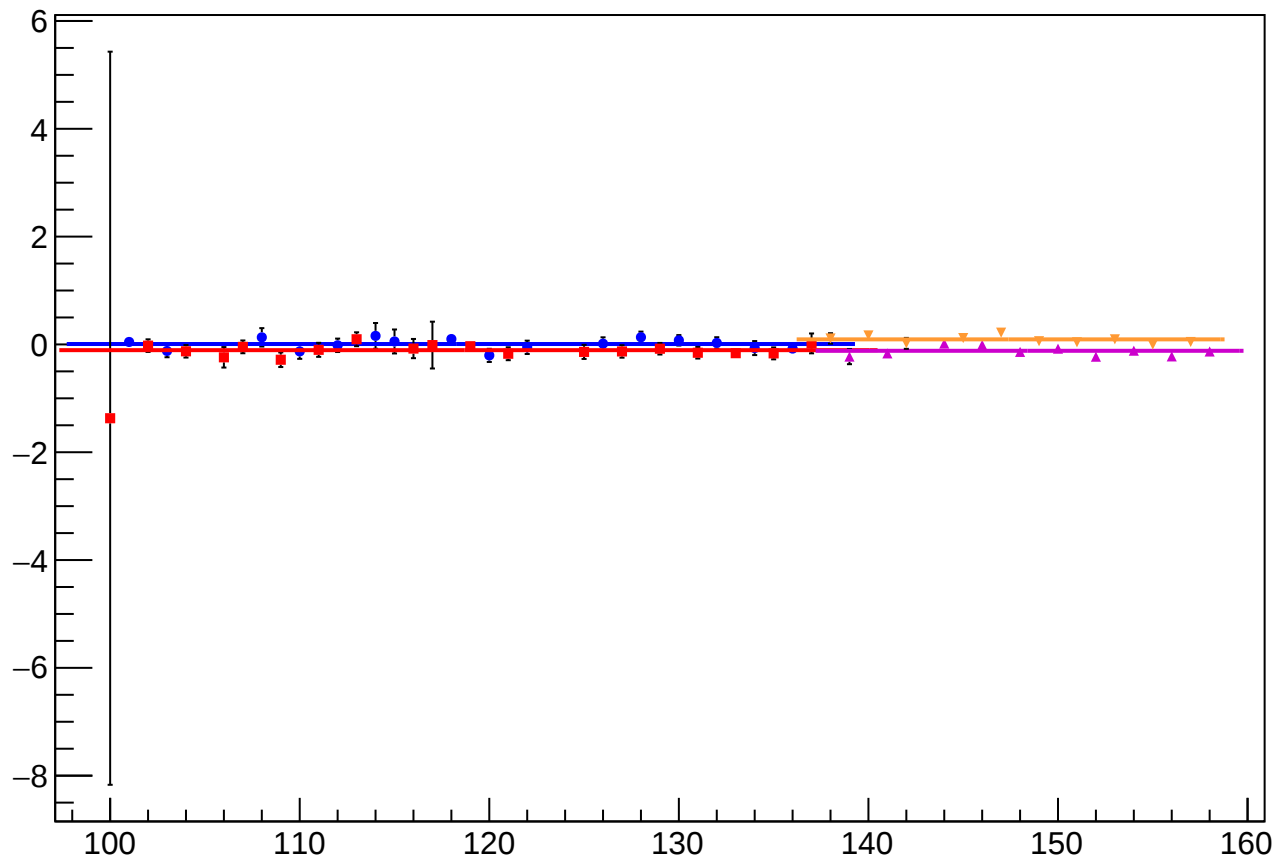
Left In: -0.042 ± 0.028 χ^2/NDF : 9.6/9

0.046 ± 0.024 χ^2/NDF : 22.1/25

0.002 ± 0.017 χ^2/NDF : 49.7/54

-0.040 ± 0.024 χ^2/NDF : 21.2/28

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.007+/-0.027 χ^2/NDF : 11.3/15

Left Out: 0.094+/-0.025 χ^2/NDF : 8.5/9

Right Out: -0.106+/-0.029 χ^2/NDF : 8.2/18

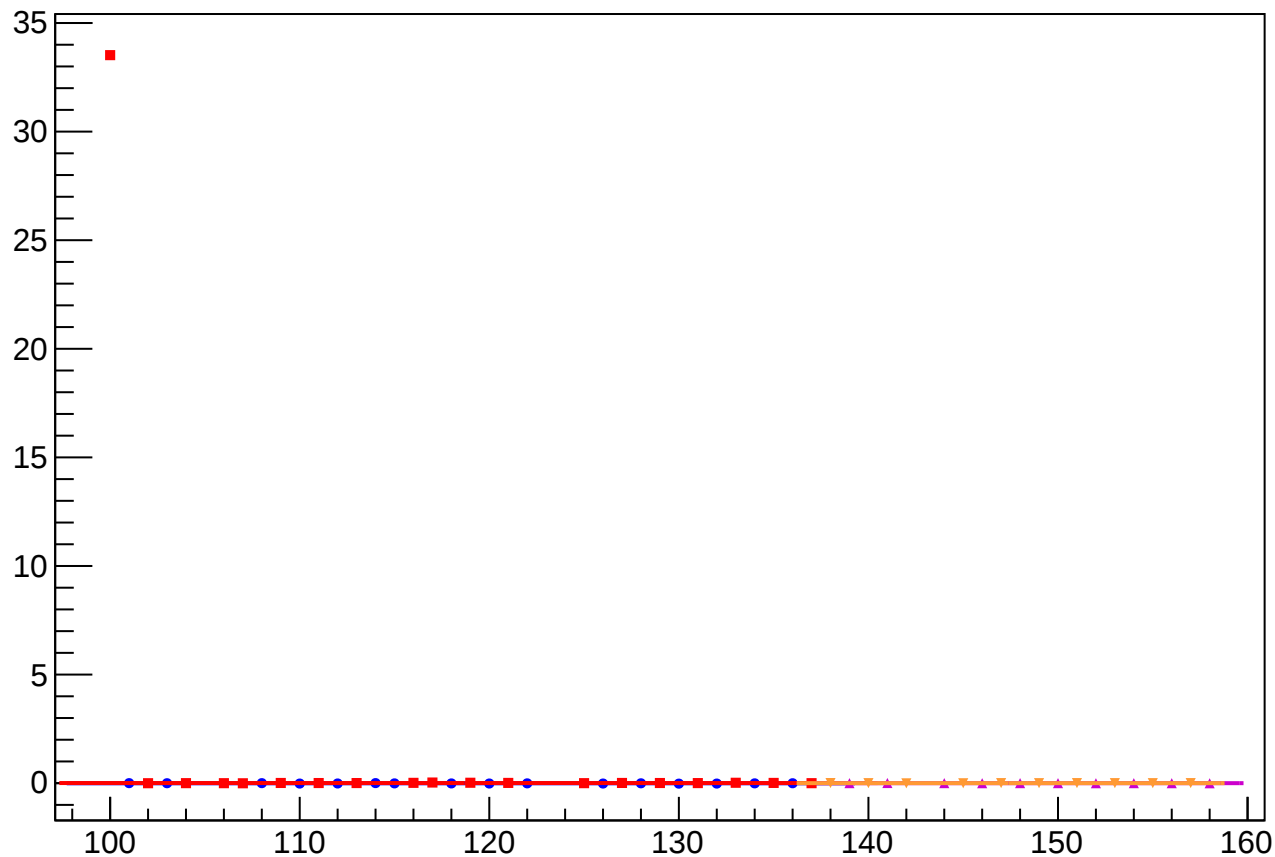
Left In: -0.118+/-0.024 χ^2/NDF : 11.2/9

0.055+/-0.018 χ^2/NDF : 25.3/25

-0.029+/-0.013 χ^2/NDF : 87.5/54

-0.113+/-0.018 χ^2/NDF : 19.5/28

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005 ± 0.001 χ^2/NDF : 21.8/15

Left Out: 0.001 ± 0.001 χ^2/NDF : 7.0/9

Right Out: 0.006 ± 0.001 χ^2/NDF : 26509.5/18

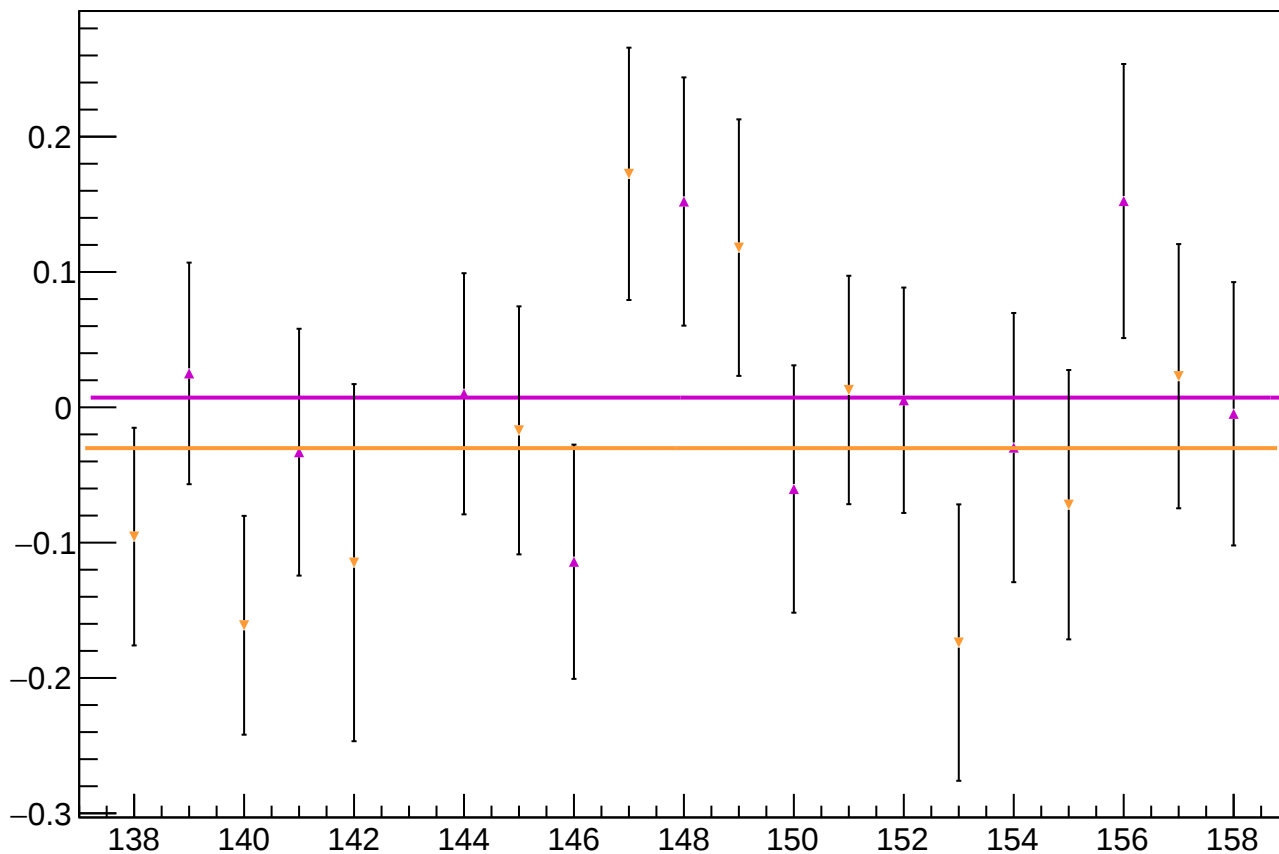
Left In: 0.000 ± 0.001 χ^2/NDF : 7.2/9

-0.001 ± 0.001 χ^2/NDF : 40.5/25

0.000 ± 0.001 χ^2/NDF : 26576.1/54

0.002 ± 0.001 χ^2/NDF : 26527.4/28

reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

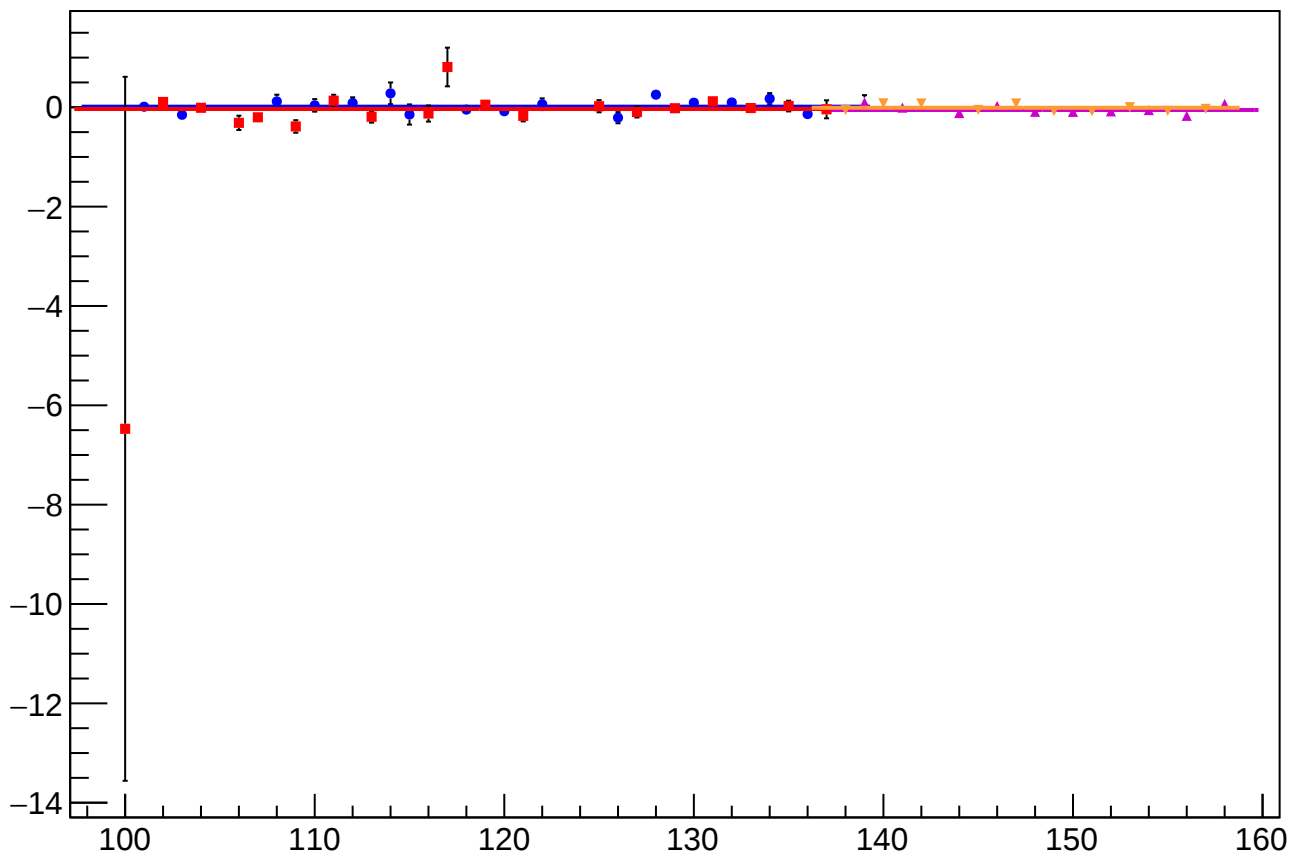
Left In: 0.007 $\pm$ 0.029 χ^2 /NDF:7.5/9

-0.030 $\pm$ 0.029 χ^2 /NDF: 13.6/9

-0.011 $\pm$ 0.021 χ^2 /NDF: 21.9/19

0.007 $\pm$ 0.029 χ^2 /NDF: 7.5/9

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

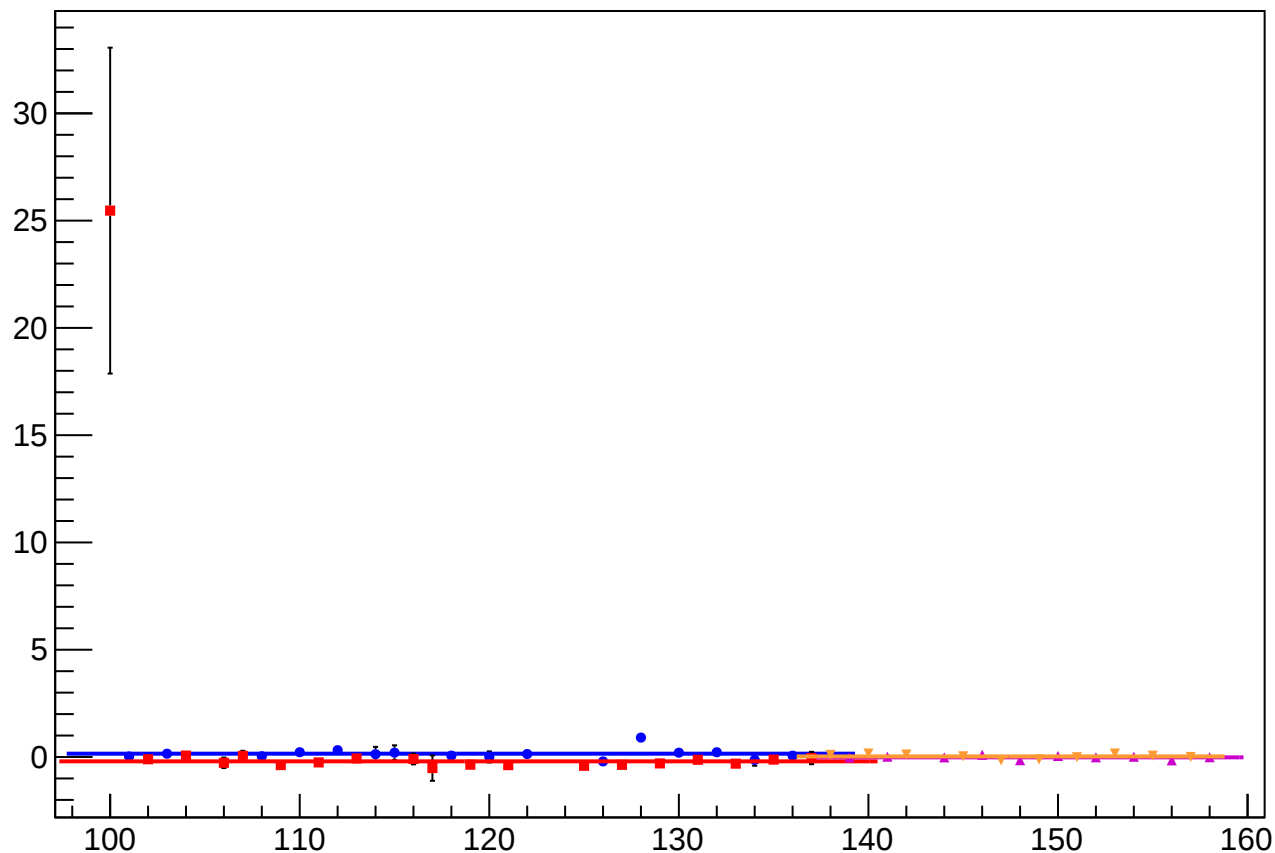
Left In: -0.054 $\pm$ 0.020 χ^2 /NDF: 12.3/9

-0.001 $\pm$ 0.015 χ^2 /NDF: 37.2/25

-0.023 $\pm$ 0.011 χ^2 /NDF: 87.5/54

-0.047 $\pm$ 0.015 χ^2 /NDF: 45.9/28

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.154 ± 0.043 $\chi^2/\text{NDF}: 27.9/15$

Left Out: 0.027 ± 0.029 $\chi^2/\text{NDF}: 13.1/9$

Right Out: -0.203 ± 0.045 $\chi^2/\text{NDF}: 22.9/18$

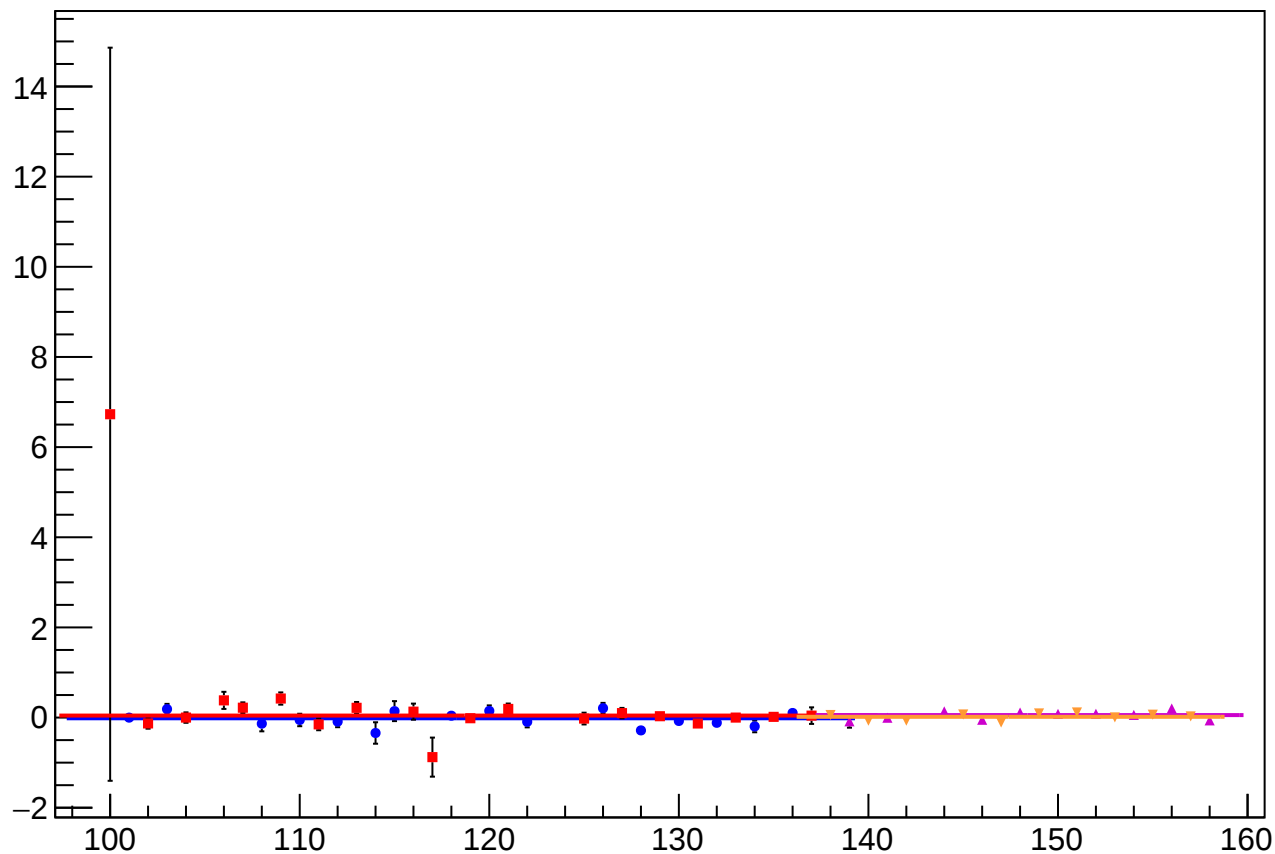
Left In: -0.017 ± 0.028 $\chi^2/\text{NDF}: 7.4/9$

0.067 ± 0.024 $\chi^2/\text{NDF}: 47.1/25$

-0.002 ± 0.017 $\chi^2/\text{NDF}: 105.9/54$

-0.069 ± 0.024 $\chi^2/\text{NDF}: 42.7/28$

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.016 ± 0.027 χ^2/NDF : 24.3/15

Left Out: 0.017 ± 0.025 χ^2/NDF : 10.5/9

Right Out: 0.044 ± 0.029 χ^2/NDF : 30.5/18

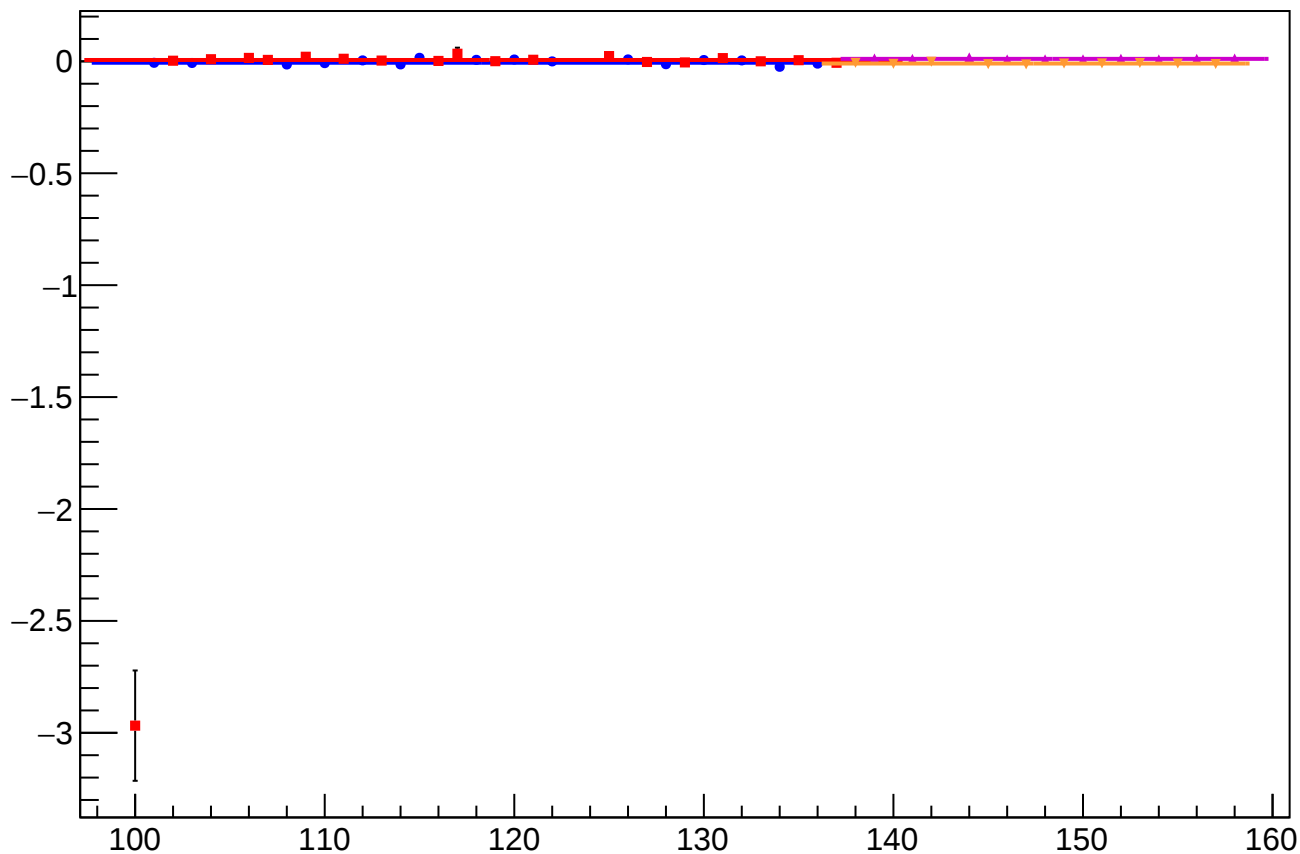
Left In: 0.055 ± 0.024 χ^2/NDF : 12.5/9

0.002 ± 0.018 χ^2/NDF : 35.6/25

0.026 ± 0.013 χ^2/NDF : 82.2/54

0.051 ± 0.018 χ^2/NDF : 43.1/28

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006 ± 0.001 χ^2/NDF : 27.3/15

Left Out: -0.010 ± 0.001 χ^2/NDF : 5.5/9

Right Out: 0.006 ± 0.001 χ^2/NDF : 167.0/18

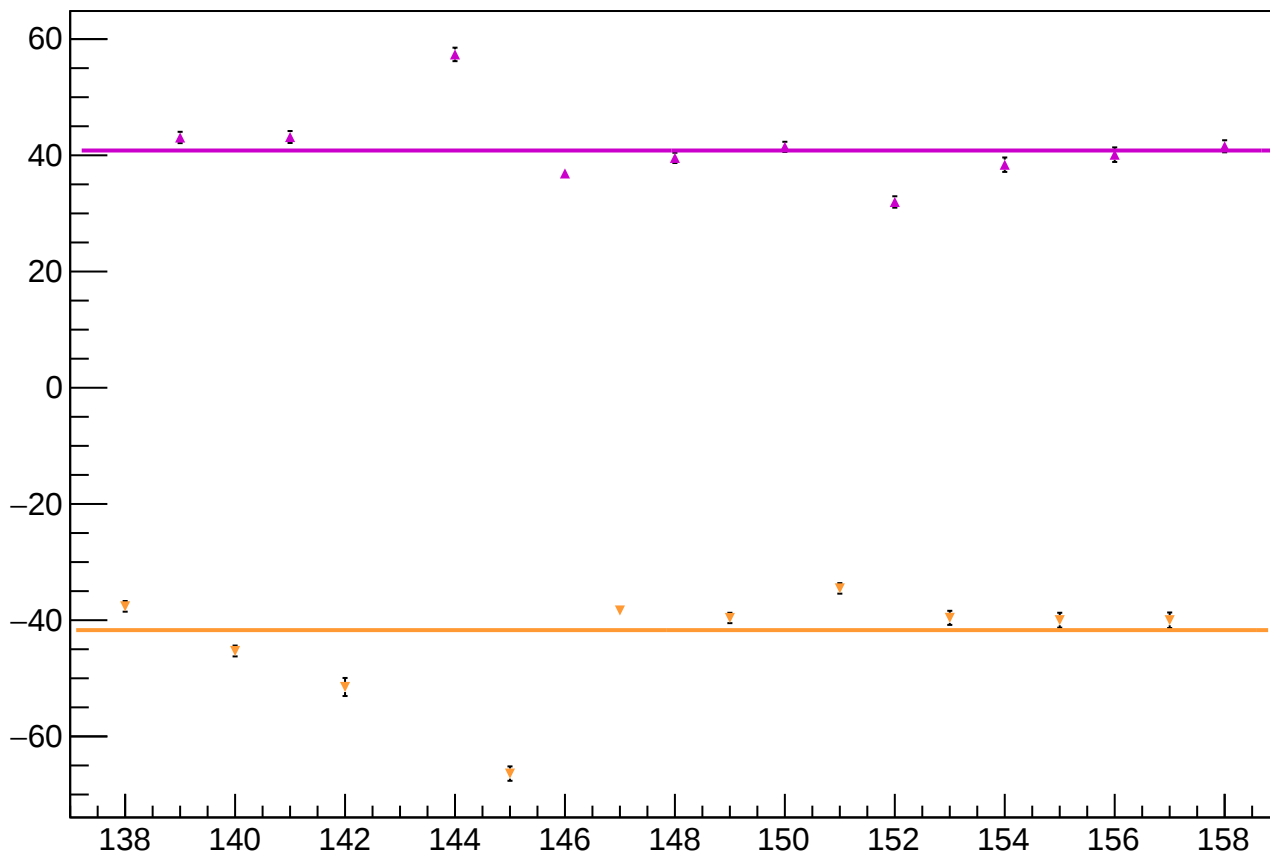
Left In: 0.011 ± 0.001 χ^2/NDF : 4.9/9

-0.008 ± 0.001 χ^2/NDF : 36.6/25

0.001 ± 0.001 χ^2/NDF : 414.1/54

0.009 ± 0.001 χ^2/NDF : 179.4/28

reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -41.709+/-0.332 χ^2/NDF : 561.3/9

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

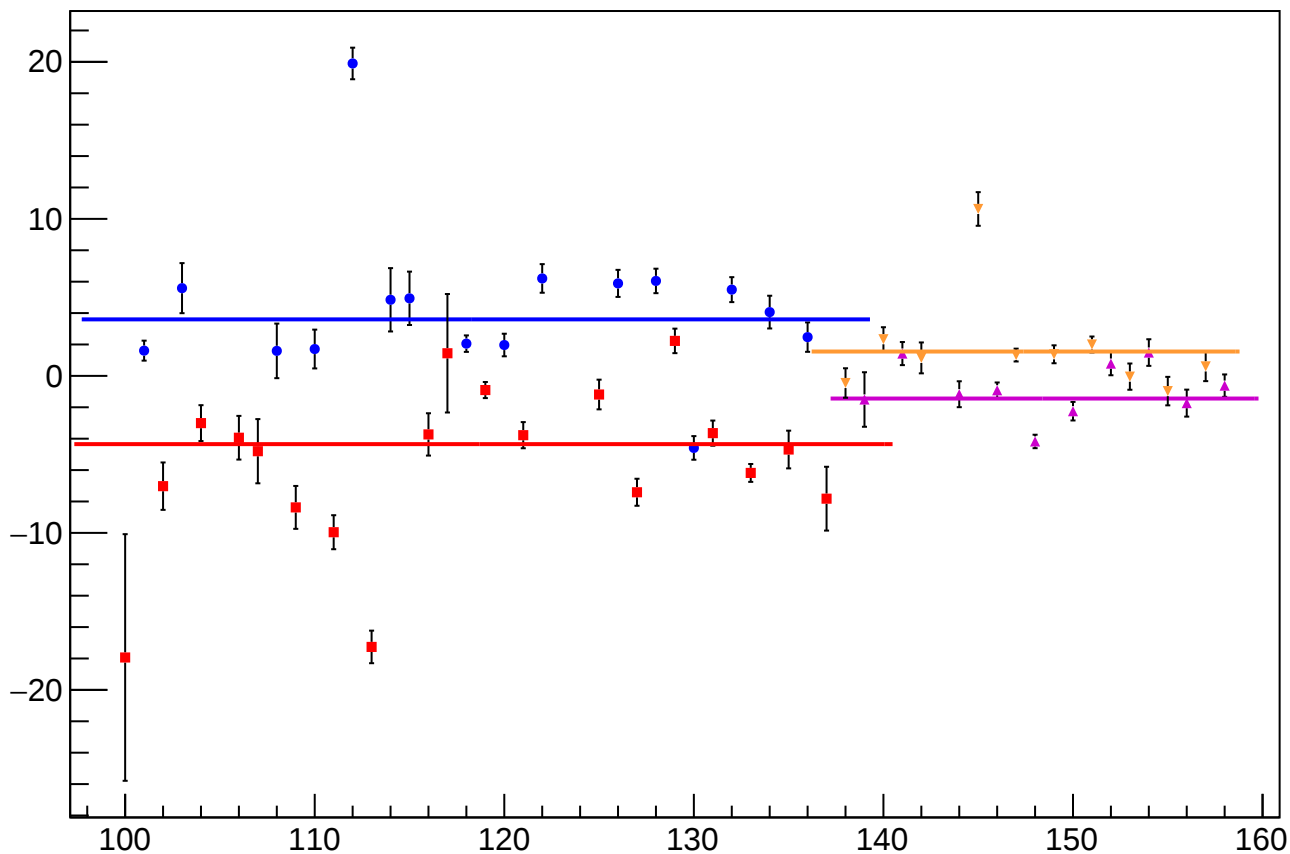
Left In: 40.827+/-0.317 χ^2/NDF : 323.8/9

-41.709+/-0.332 χ^2/NDF : 561.3/9

1.453+/-0.229 χ^2/NDF : 33254.8/19

40.827+/-0.317 χ^2/NDF : 323.8/9

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.599 ± 0.220 χ^2/NDF : 443.4/15

Left Out: 1.551 ± 0.216 χ^2/NDF : 91.2/9

Right Out: -4.347 ± 0.224 χ^2/NDF : 355.4/18

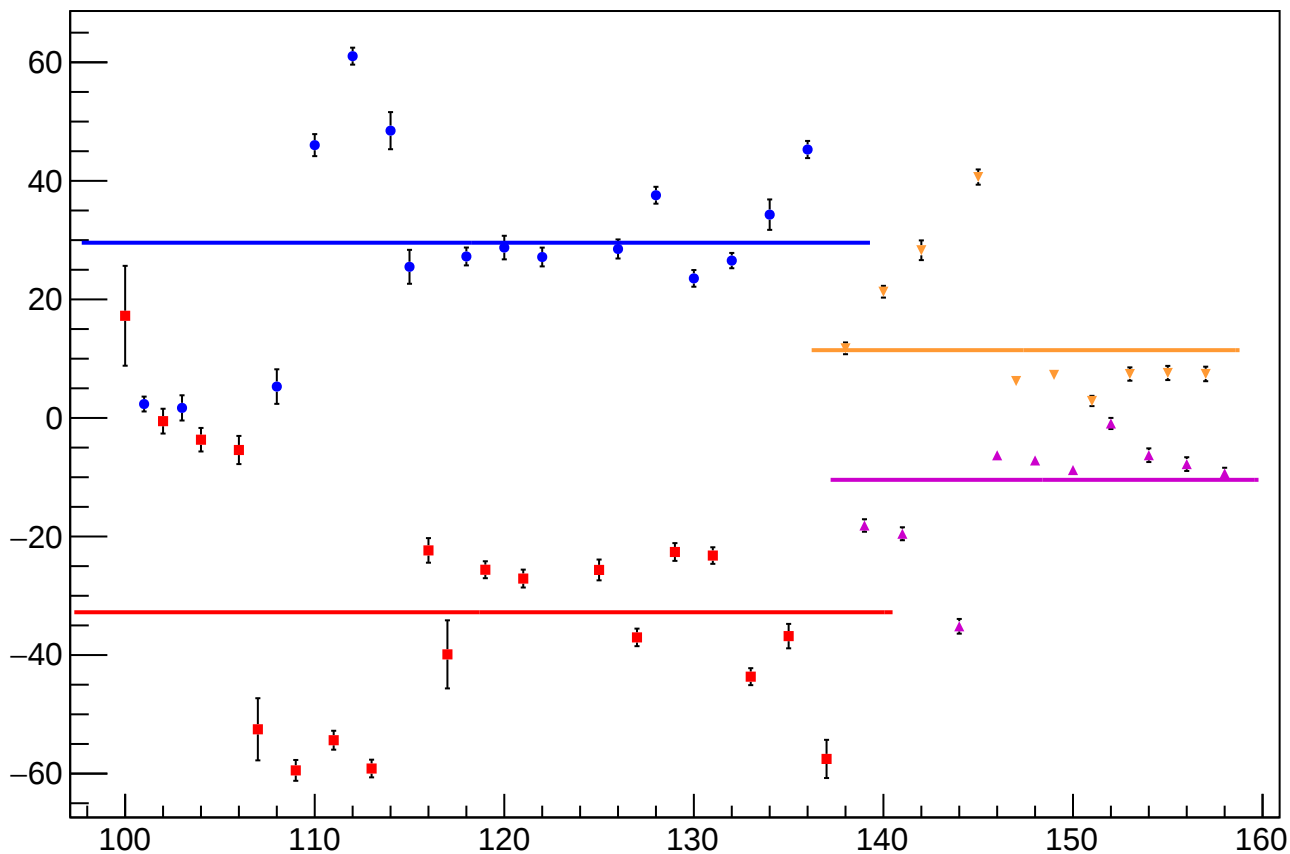
Left In: -1.443 ± 0.211 χ^2/NDF : 81.3/9

2.554 ± 0.154 χ^2/NDF : 578.7/25

-0.135 ± 0.109 χ^2/NDF : 1710.3/54

-2.803 ± 0.154 χ^2/NDF : 525.7/28

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.564 $\pm$ 0.420 χ^2 /NDF: 1494.6/15

Left Out: 11.436 $\pm$ 0.325 χ^2 /NDF: 915.7/9

Right Out: -32.780 $\pm$ 0.422 χ^2 /NDF: 1664.8/18

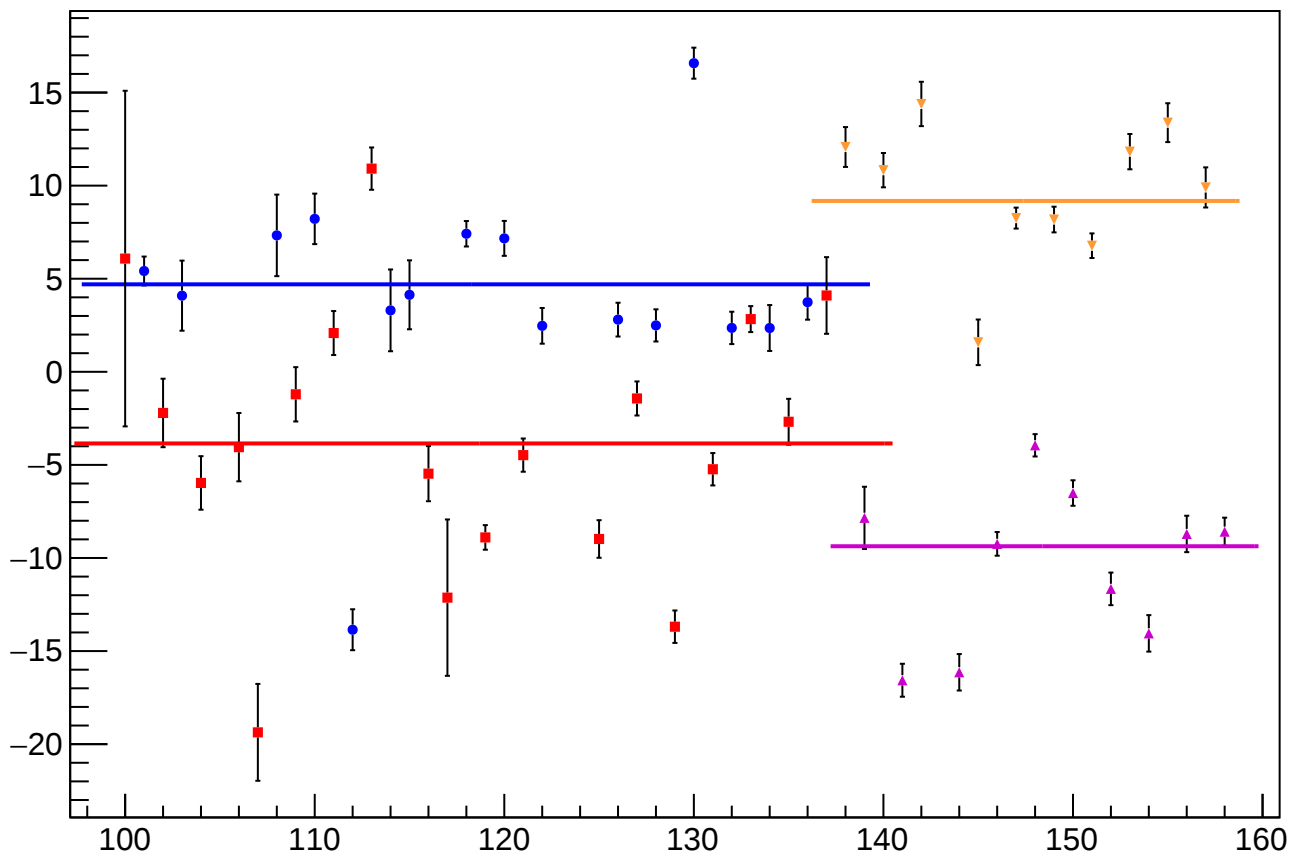
Left In: -10.439 $\pm$ 0.308 χ^2 /NDF: 686.1/9

18.233 $\pm$ 0.257 χ^2 /NDF: 3577.3/25

-0.585 $\pm$ 0.179 χ^2 /NDF: 18150.5/54

-18.206 $\pm$ 0.249 χ^2 /NDF: 4182.6/28

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.699 ± 0.254 χ^2/NDF : 548.9/15

Left Out: 9.178 ± 0.269 χ^2/NDF : 110.6/9

Right Out: -3.848 ± 0.258 χ^2/NDF : 571.5/18

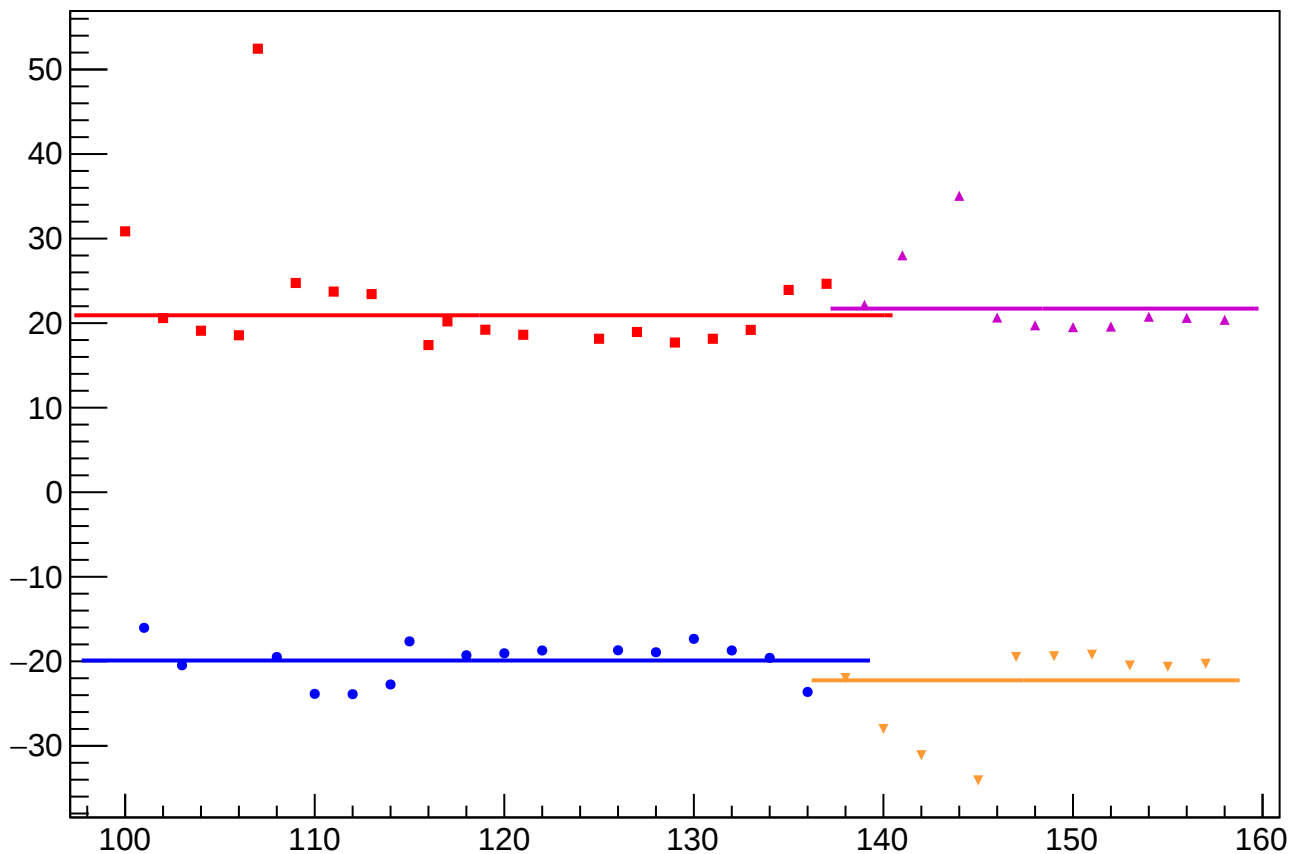
Left In: -9.370 ± 0.256 χ^2/NDF : 245.2/9

6.814 ± 0.185 χ^2/NDF : 806.4/25

-0.007 ± 0.130 χ^2/NDF : 4545.0/54

-6.627 ± 0.182 χ^2/NDF : 1047.3/28

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 94015.9/18$

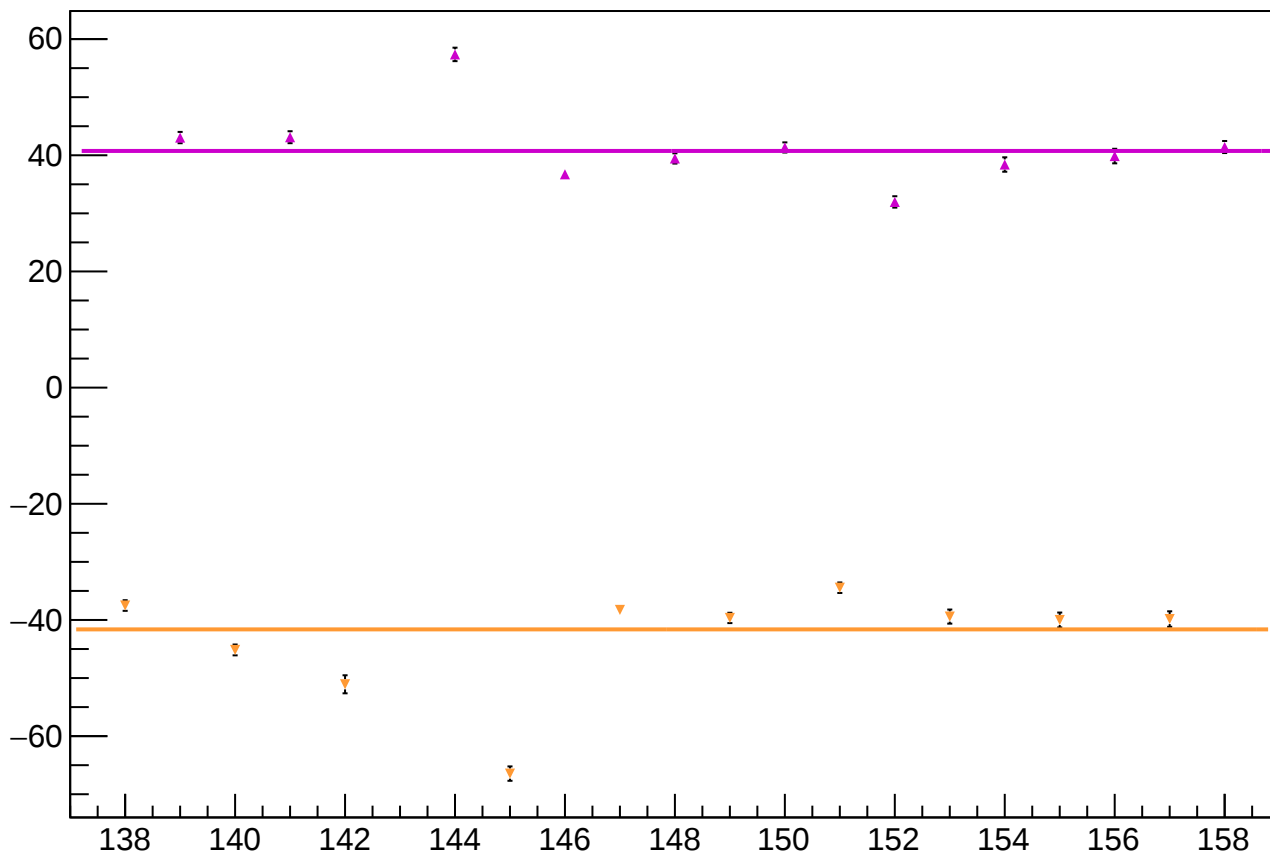
Left In: 21.717 ± 0.012 $\chi^2/\text{NDF}: 94291.4/9$

-21.274 ± 0.010 $\chi^2/\text{NDF}: 152087.6/25$

1.076 ± 0.007 $\chi^2/\text{NDF}: 9730800.2/54$

21.421 ± 0.010 $\chi^2/\text{NDF}: 189885.1/28$

reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -41.622+/-0.332 χ^2/NDF : 562.9/9

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

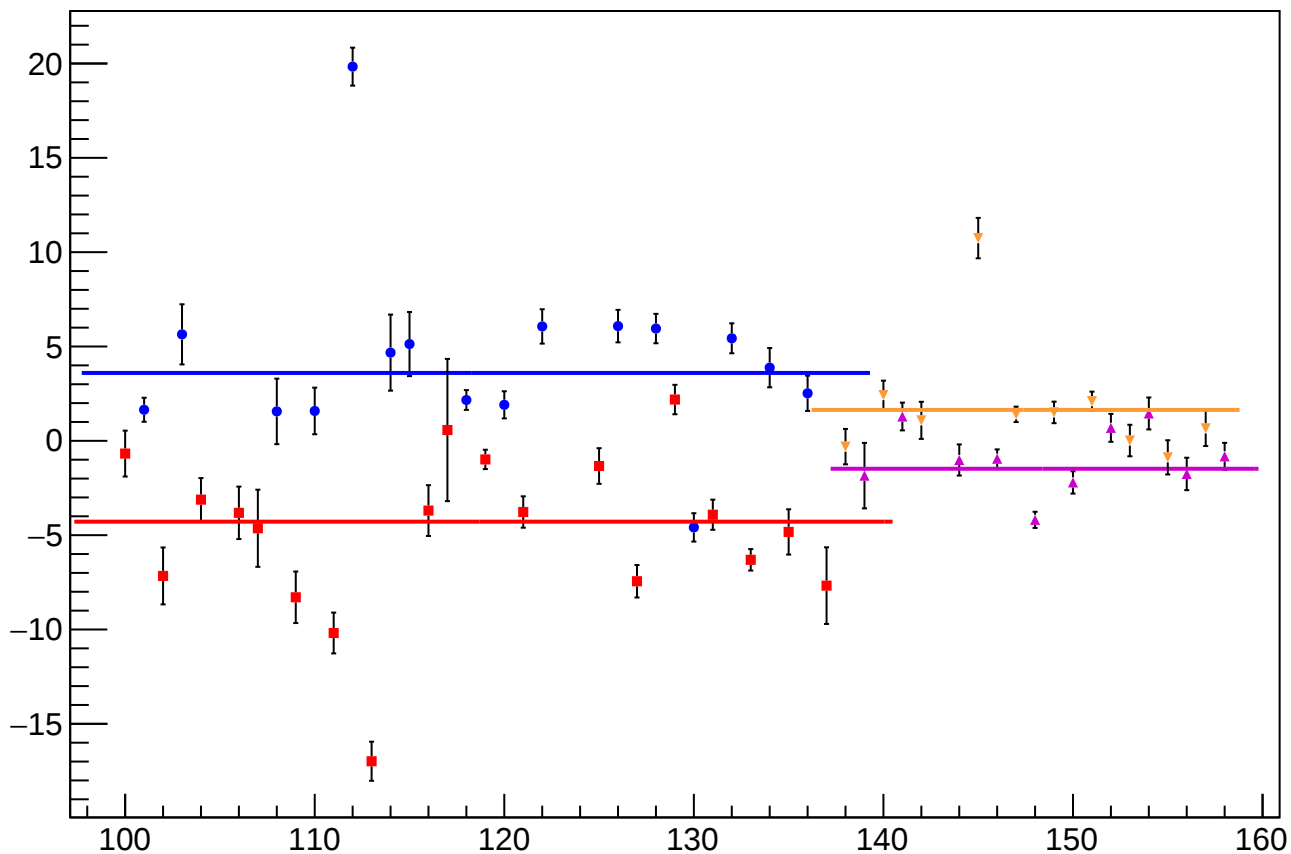
Left In: 40.744+/-0.317 χ^2/NDF : 325.8/9

-41.622+/-0.332 χ^2/NDF : 562.9/9

1.454+/-0.229 χ^2/NDF : 33163.7/19

40.744+/-0.317 χ^2/NDF : 325.8/9

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.599 ± 0.220 χ^2/NDF : 440.3/15

Left Out: 1.640 ± 0.216 χ^2/NDF : 91.8/9

Right Out: -4.284 ± 0.221 χ^2/NDF : 353.8/18

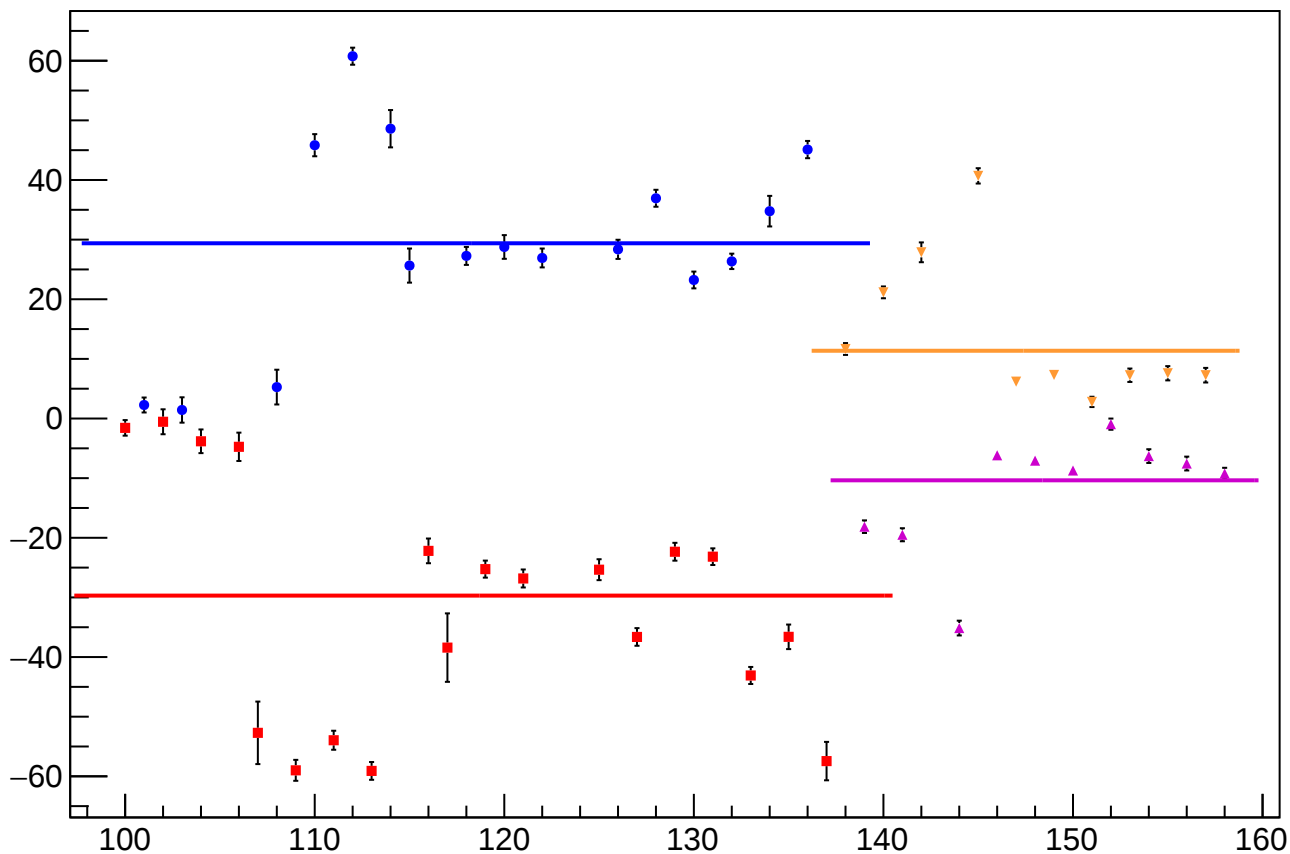
Left In: -1.480 ± 0.211 χ^2/NDF : 78.6/9

2.599 ± 0.154 χ^2/NDF : 572.5/25

-0.140 ± 0.108 χ^2/NDF : 1714.3/54

-2.817 ± 0.152 χ^2/NDF : 517.0/28

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 2133.3/18$

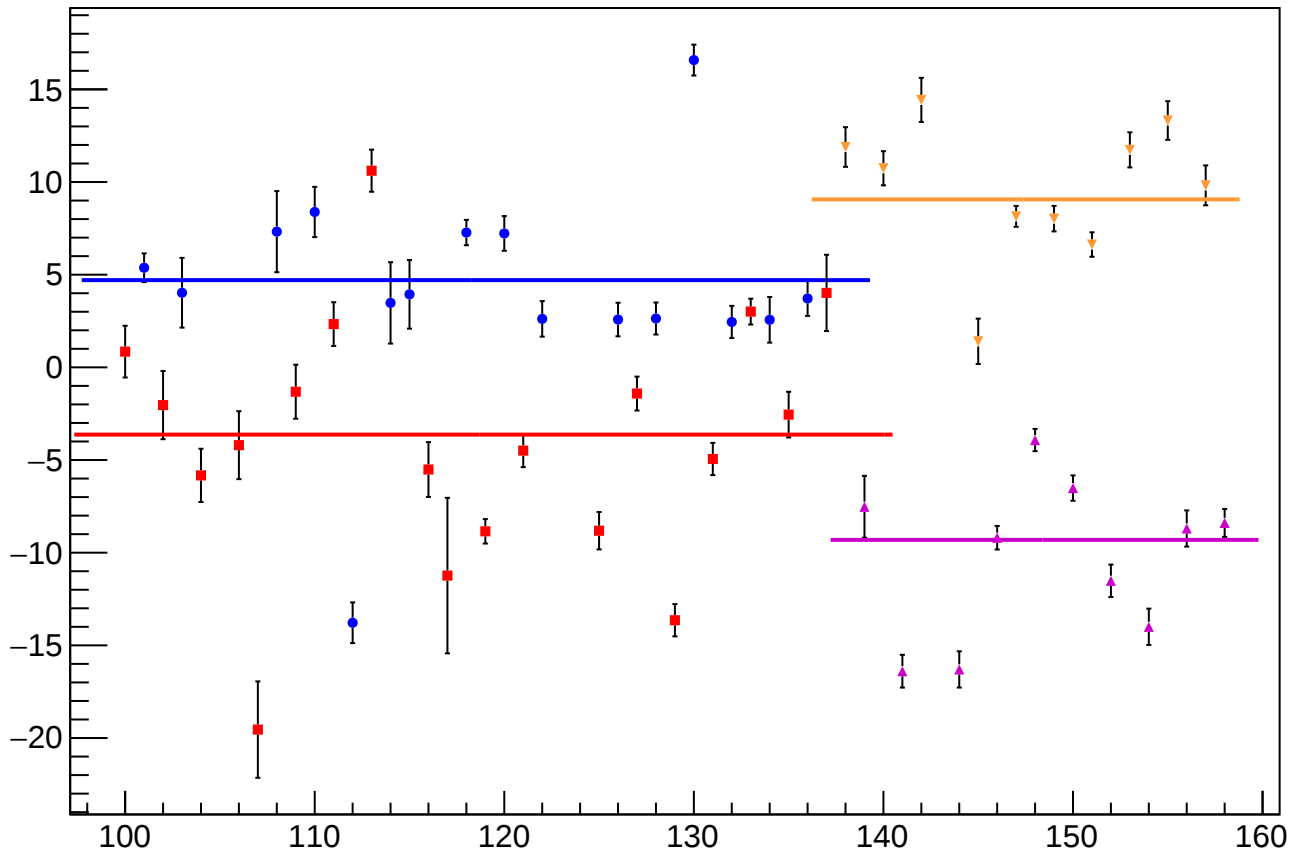
Left In: -10.363 ± 0.308 $\chi^2/\text{NDF}: 689.7/9$

18.122 ± 0.257 $\chi^2/\text{NDF}: 3558.4/25$

-0.592 ± 0.177 $\chi^2/\text{NDF}: 17961.5/54$

-17.516 ± 0.244 $\chi^2/\text{NDF}: 4284.6/28$

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 576.7/18$

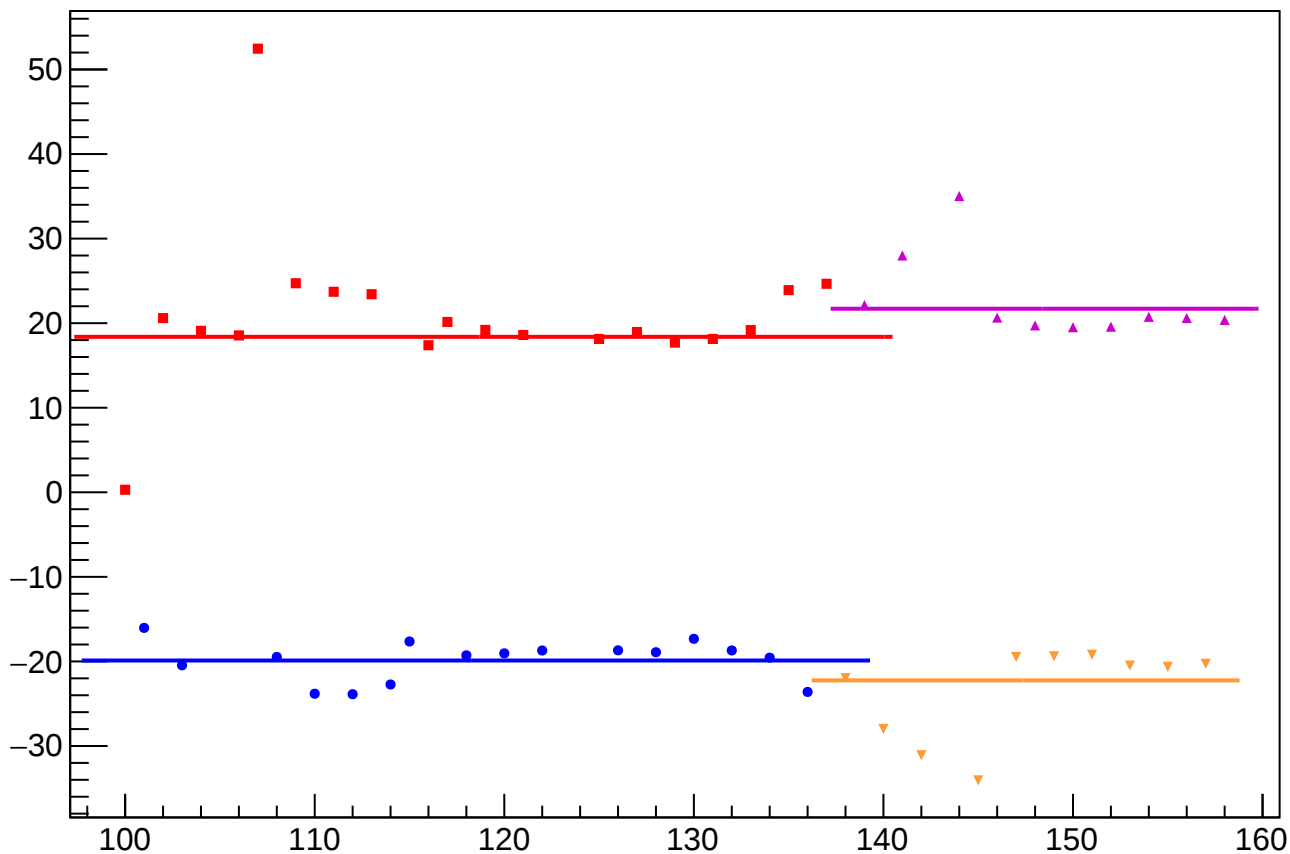
Left In: -9.307 ± 0.256 $\chi^2/\text{NDF}: 245.1/9$

6.763 ± 0.184 $\chi^2/\text{NDF}: 797.7/25$

0.009 ± 0.129 $\chi^2/\text{NDF}: 4489.1/54$

-6.440 ± 0.180 $\chi^2/\text{NDF}: 1070.0/28$

reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.890 $\pm$ 0.016 χ^2 /NDF: 26044.4/15

Left Out: -22.239 $\pm$ 0.013 χ^2 /NDF: 112967.8/9

Right Out: 18.386 $\pm$ 0.015 χ^2 /NDF: 301044.3/18

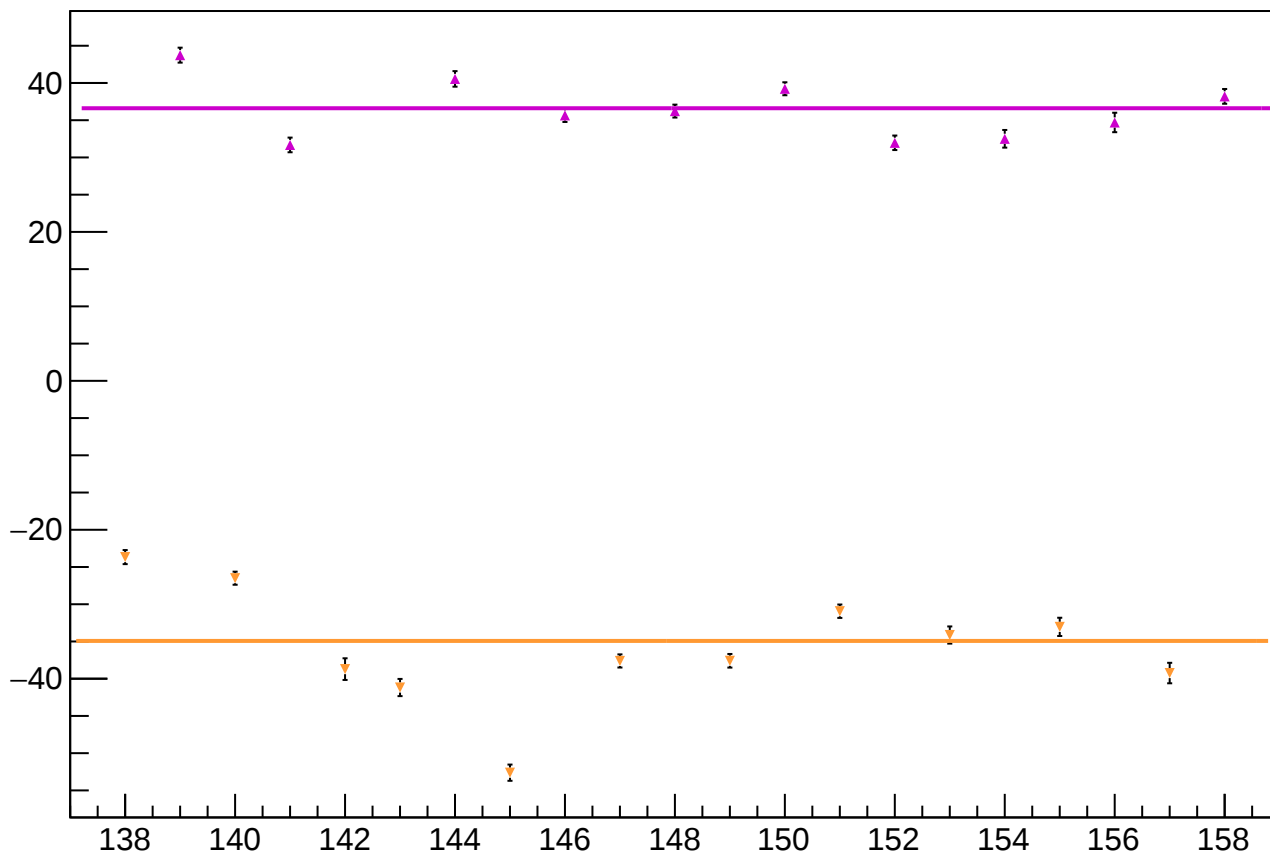
Left In: 21.706 $\pm$ 0.012 χ^2 /NDF: 94238.5/9

-21.264 $\pm$ 0.010 χ^2 /NDF: 152206.0/25

1.036 $\pm$ 0.007 χ^2 /NDF: 9721382.6/54

20.359 $\pm$ 0.009 χ^2 /NDF: 425509.3/28

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -34.927+/-0.314 χ^2/NDF : 584.3/10

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

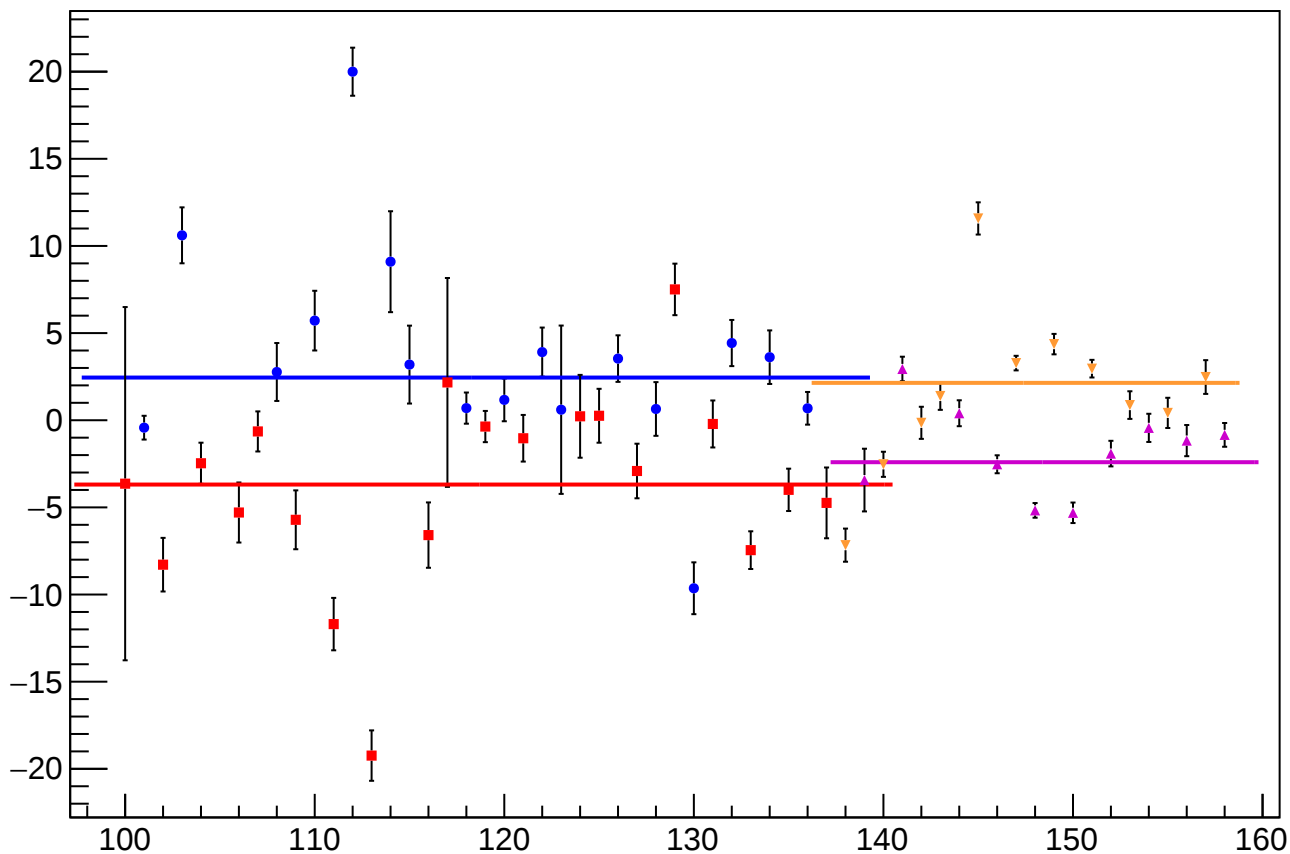
Left In: 36.607+/-0.313 χ^2/NDF : 139.5/9

-34.927+/-0.314 χ^2/NDF : 584.3/10

0.989+/-0.222 χ^2/NDF : 26790.1/20

36.607+/-0.313 χ^2/NDF : 139.5/9

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.449 ± 0.314 χ^2/NDF : 295.3/16

Left Out: 2.144 ± 0.206 χ^2/NDF : 280.3/10

Right Out: -3.690 ± 0.326 χ^2/NDF : 270.4/19

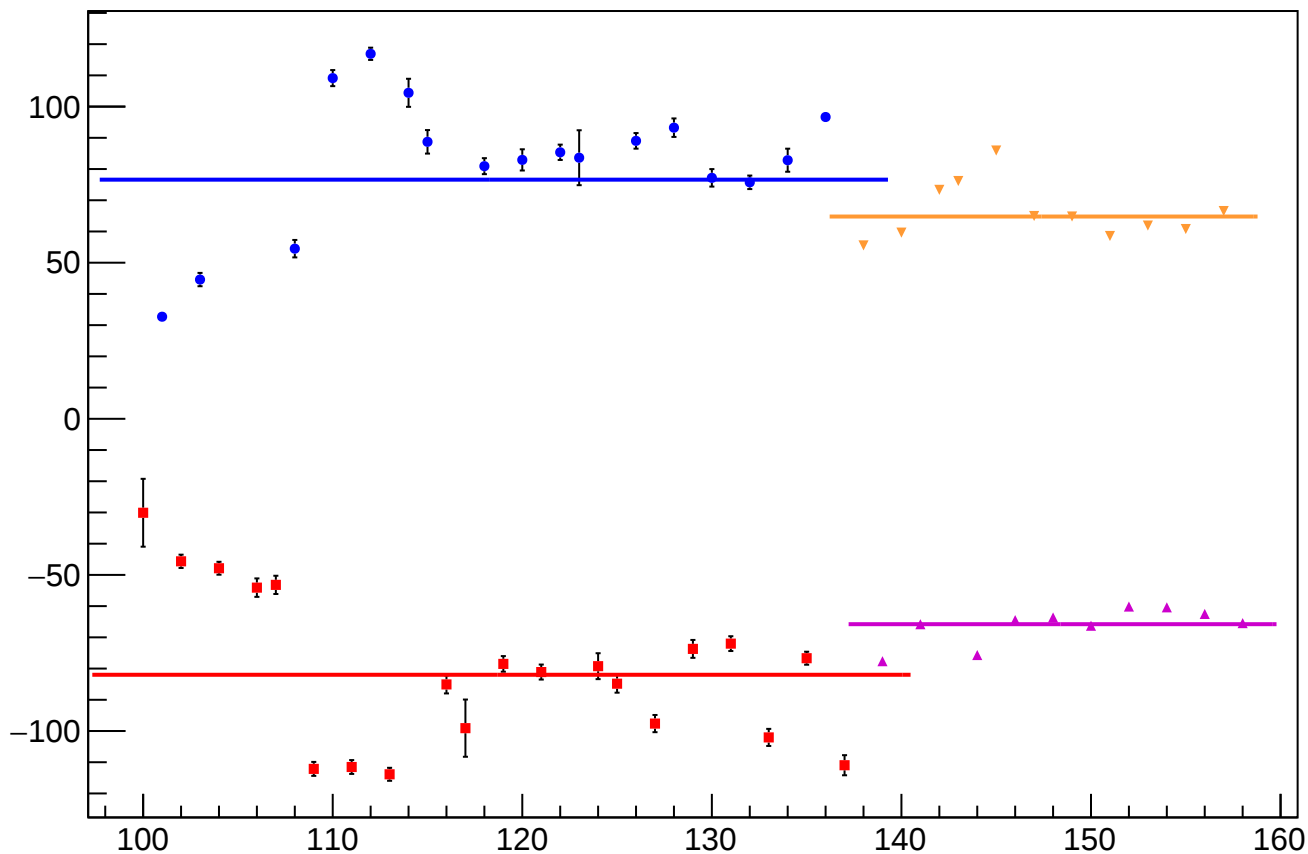
Left In: -2.408 ± 0.208 χ^2/NDF : 153.5/9

2.236 ± 0.173 χ^2/NDF : 576.2/27

-0.234 ± 0.123 χ^2/NDF : 1427.2/57

-2.778 ± 0.175 χ^2/NDF : 434.9/29

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.598+/-0.576 χ^2/NDF : 2255.1/16

Left Out: 64.788+/-0.310 χ^2/NDF : 647.0/10

Right Out: -81.987+/-0.591 χ^2/NDF : 1574.2/19

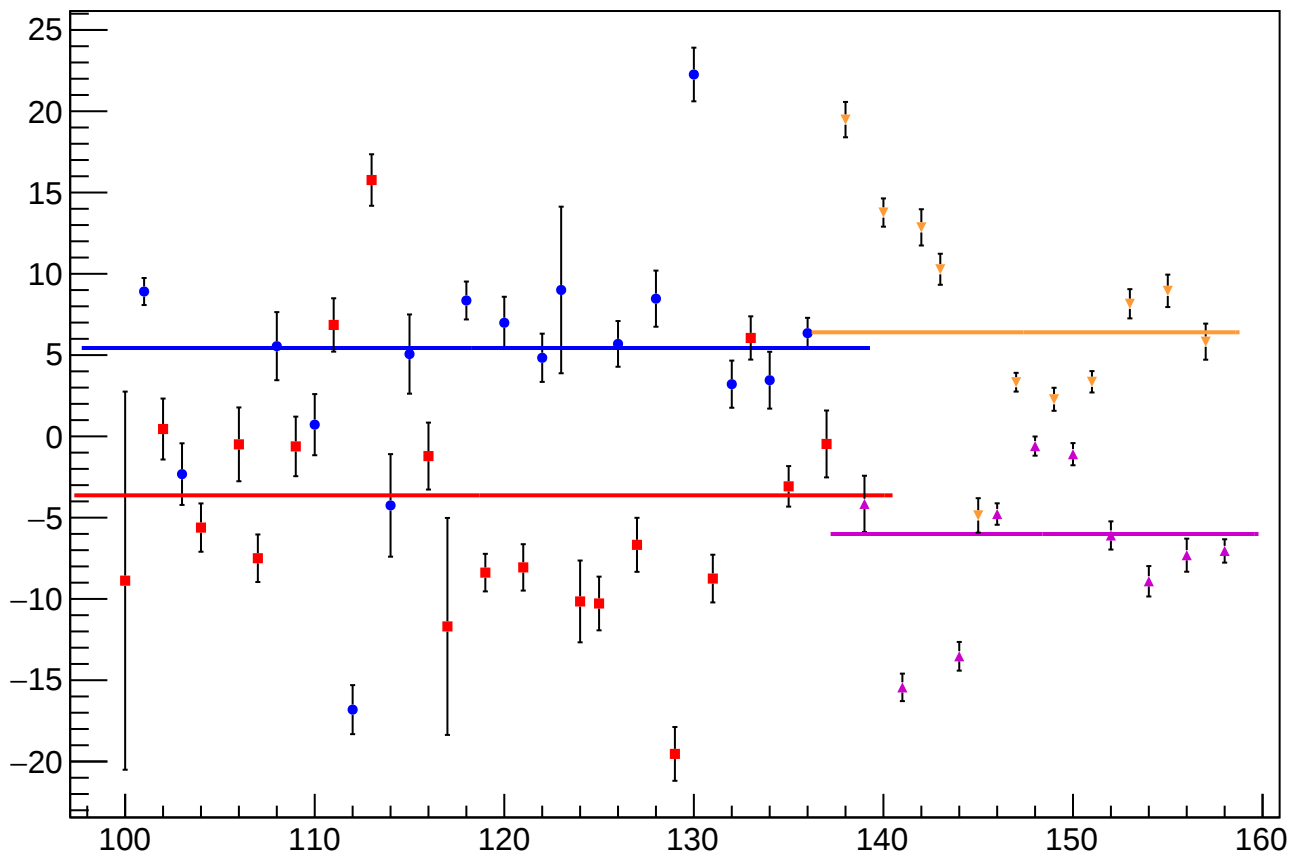
Left In: -65.784+/-0.304 χ^2/NDF : 274.8/9

67.441+/-0.273 χ^2/NDF : 3228.0/27

-1.555+/-0.192 χ^2/NDF : 132114.0/57

-69.175+/-0.270 χ^2/NDF : 2443.7/29

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.436 $\pm$ 0.360 χ^2/NDF : 387.2/16

Left Out: 6.402 $\pm$ 0.255 χ^2/NDF : 473.9/10

Right Out: -3.628 $\pm$ 0.374 χ^2/NDF : 424.8/19

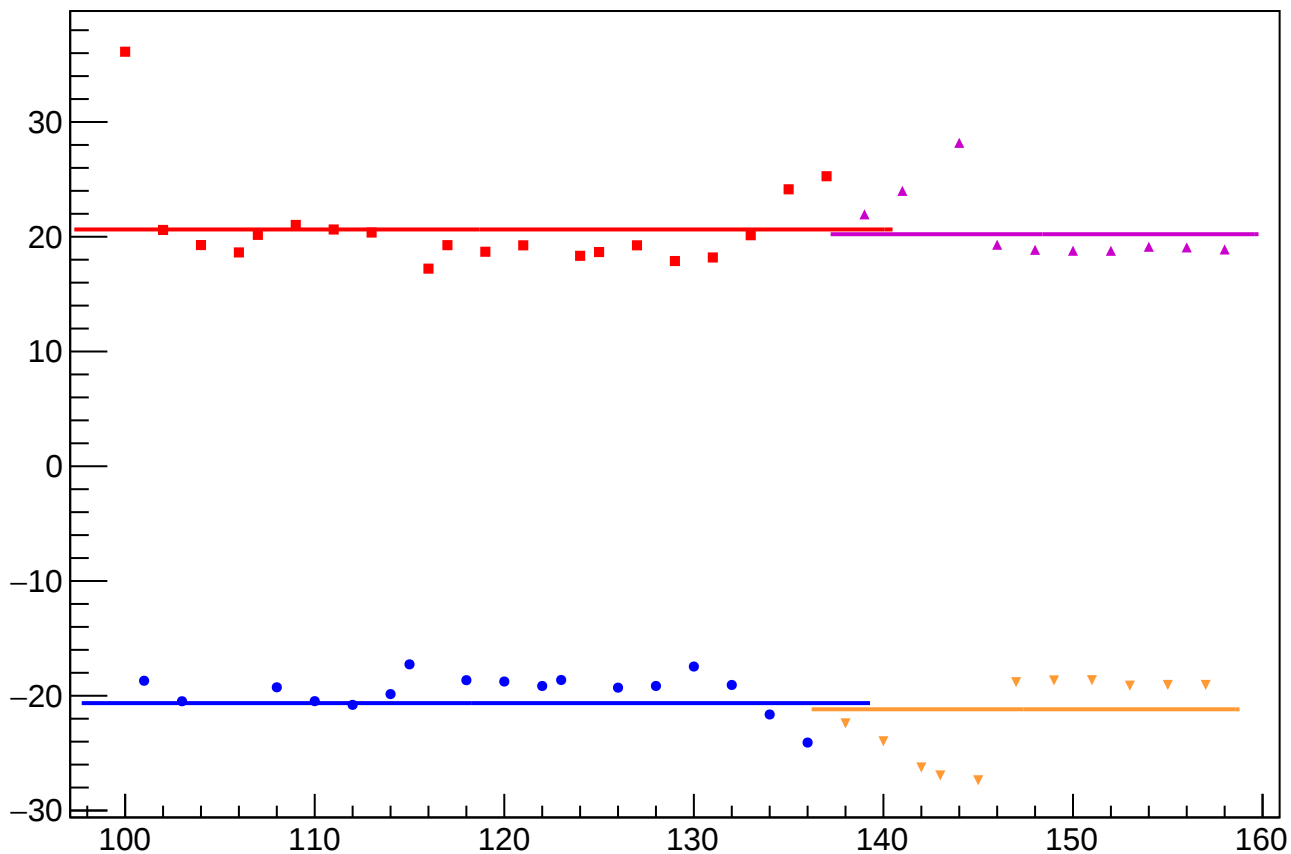
Left In: -6.005 $\pm$ 0.252 χ^2/NDF : 351.1/9

6.079 $\pm$ 0.208 χ^2/NDF : 865.9/27

0.430 $\pm$ 0.148 χ^2/NDF : 3145.0/57

-5.263 $\pm$ 0.209 χ^2/NDF : 803.6/29

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.642 ± 0.019 χ^2/NDF : 12431.5/16

Left Out: -21.179 ± 0.013 χ^2/NDF : 65859.9/10

Right Out: 20.635 ± 0.019 χ^2/NDF : 13794.0/19

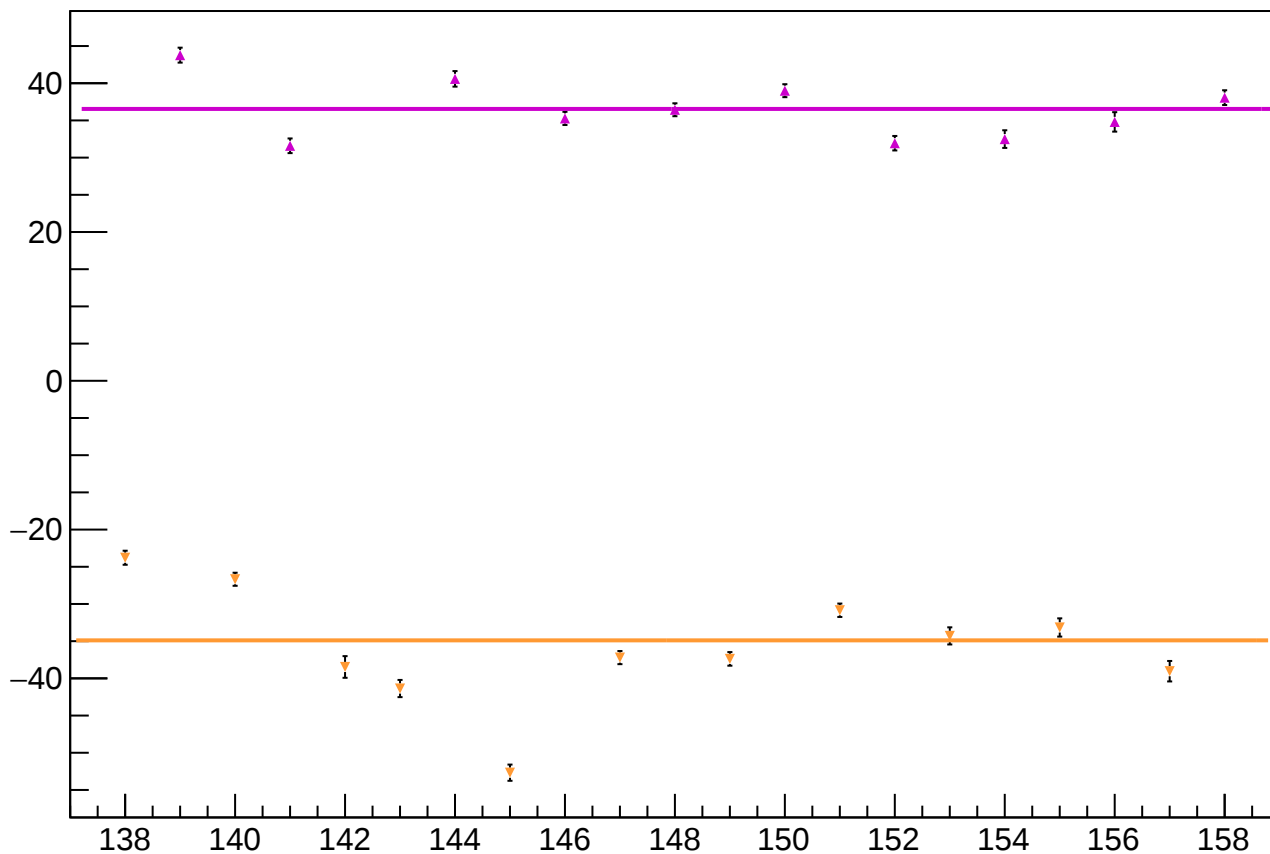
Left In: 20.221 ± 0.012 χ^2/NDF : 45075.1/9

-21.020 ± 0.011 χ^2/NDF : 78833.8/27

0.251 ± 0.007 χ^2/NDF : 8075570.8/57

20.336 ± 0.010 χ^2/NDF : 59197.5/29

reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -34.891+/-0.314 χ^2/NDF : 575.1/10

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

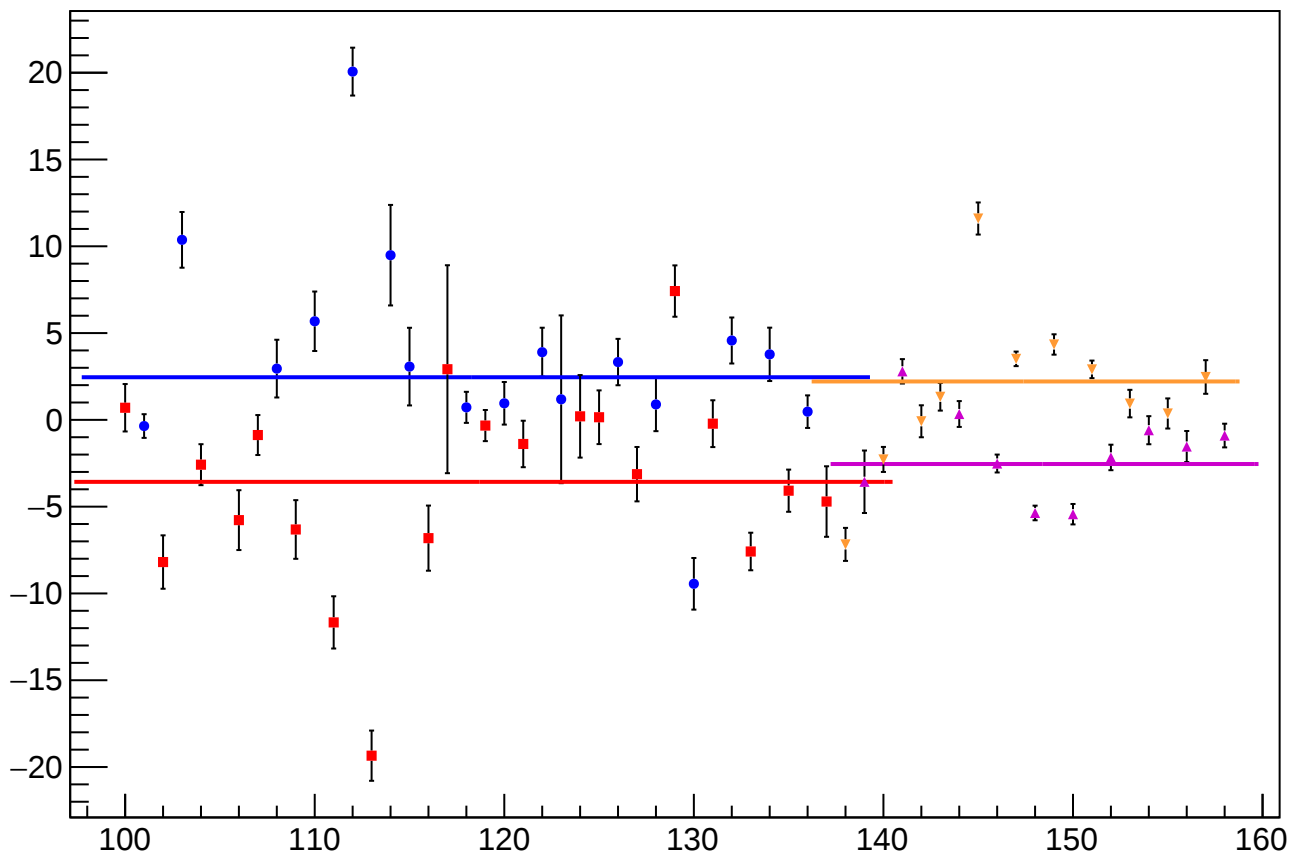
Left In: 36.545+/-0.313 χ^2/NDF : 140.1/9

-34.891+/-0.314 χ^2/NDF : 575.1/10

0.973+/-0.222 χ^2/NDF : 26676.3/20

36.545+/-0.313 χ^2/NDF : 140.1/9

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.455 ± 0.315 χ^2/NDF : 293.5/16

Left Out: 2.213 ± 0.206 χ^2/NDF : 278.7/10

Right Out: -3.571 ± 0.317 χ^2/NDF : 281.0/19

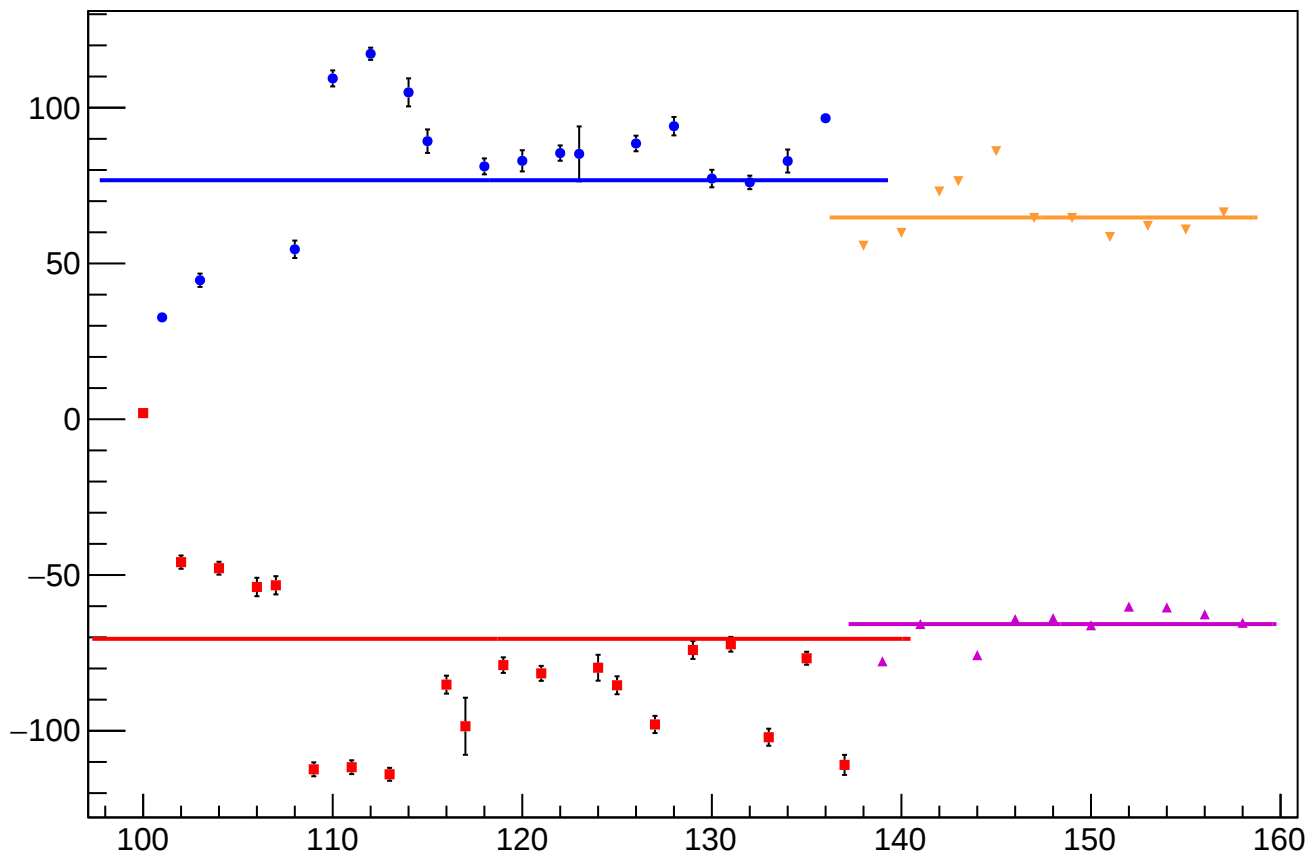
Left In: -2.544 ± 0.208 χ^2/NDF : 154.9/9

2.286 ± 0.173 χ^2/NDF : 572.6/27

-0.266 ± 0.122 χ^2/NDF : 1455.8/57

-2.852 ± 0.174 χ^2/NDF : 443.2/29

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.713 $\pm$ 0.576 χ^2/NDF : 2266.6/16

Left Out: 64.758 $\pm$ 0.310 χ^2/NDF : 646.5/10

Right Out: -70.477 $\pm$ 0.549 χ^2/NDF : 4400.1/19

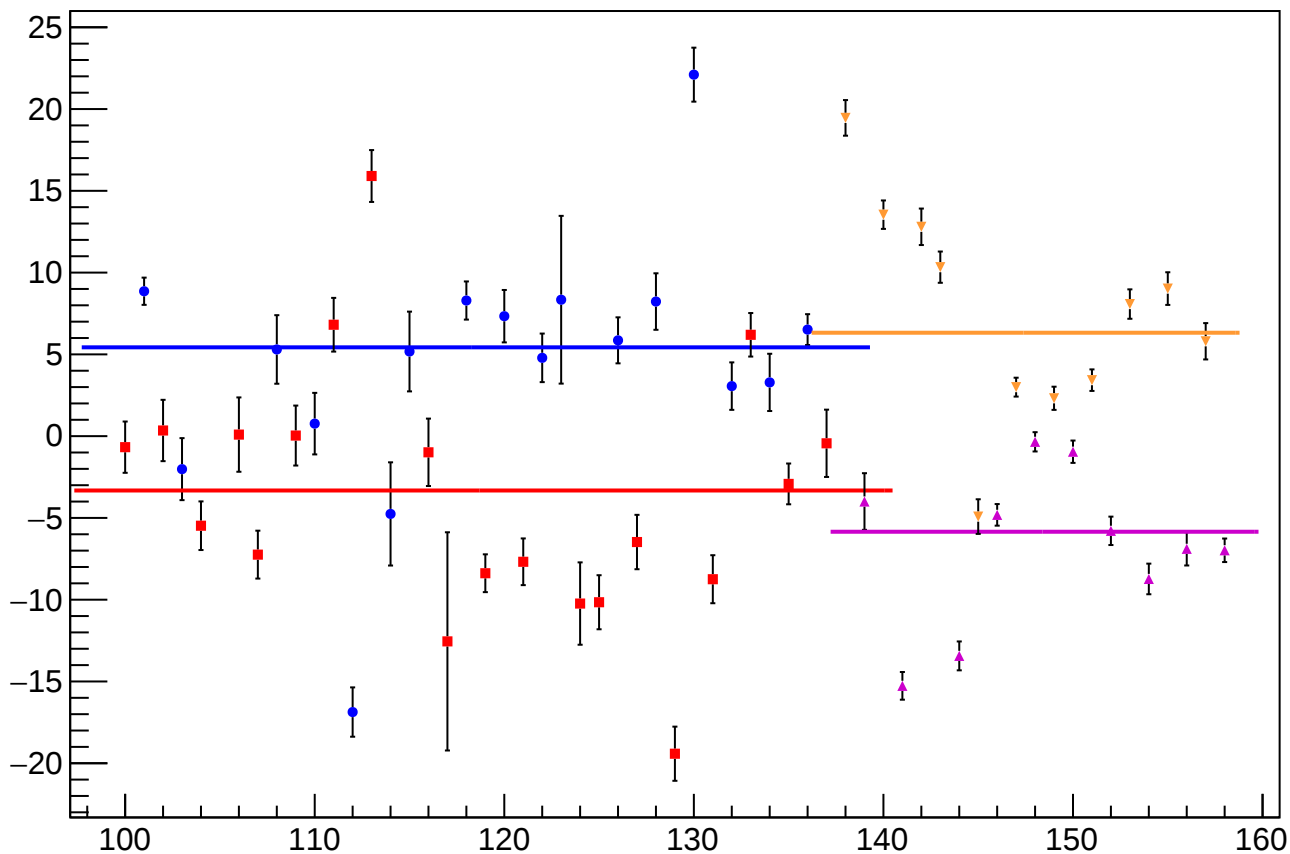
Left In: -65.745 $\pm$ 0.304 χ^2/NDF : 275.4/9

67.444 $\pm$ 0.273 χ^2/NDF : 3246.6/27

-1.484 $\pm$ 0.191 χ^2/NDF : 132007.6/57

-66.857 $\pm$ 0.266 χ^2/NDF : 4732.3/29

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.430 $\pm$ 0.361 χ^2/NDF : 385.9/16

Left Out: 6.323 $\pm$ 0.256 χ^2/NDF : 474.5/10

Right Out: -3.323 $\pm$ 0.365 χ^2/NDF : 428.0/19

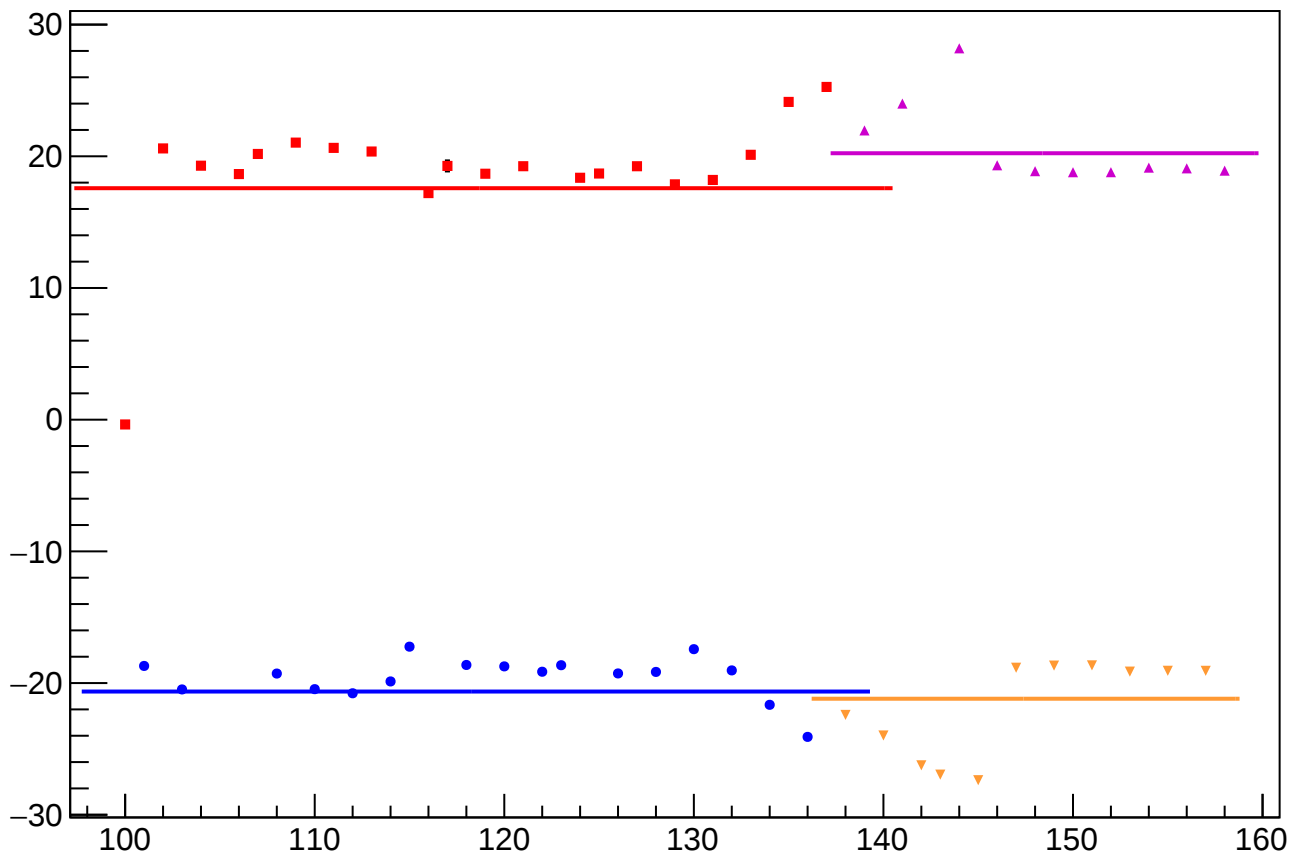
Left In: -5.845 $\pm$ 0.252 χ^2/NDF : 352.8/9

6.025 $\pm$ 0.209 χ^2/NDF : 864.4/27

0.472 $\pm$ 0.147 χ^2/NDF : 3089.1/57

-5.028 $\pm$ 0.208 χ^2/NDF : 813.2/29

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 178343.3/19$

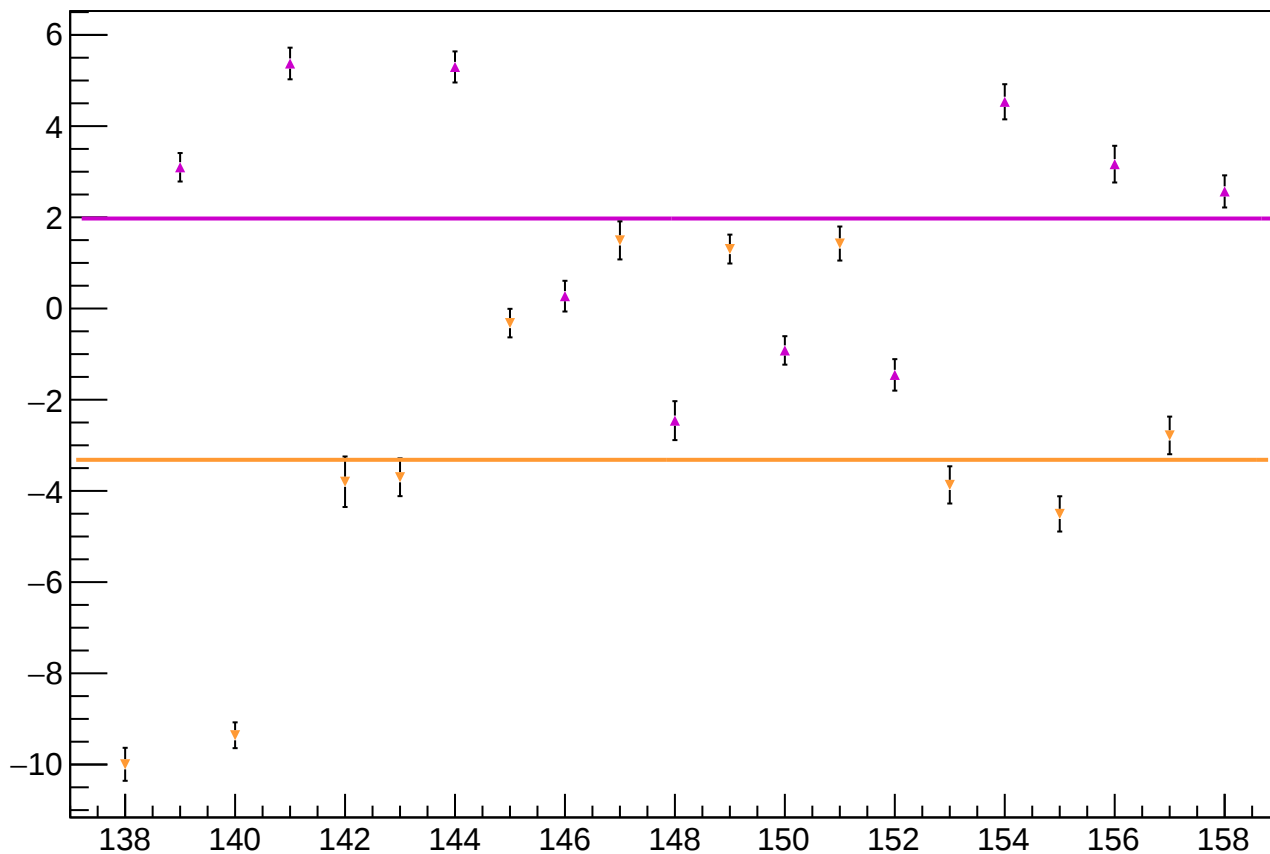
Left In: 20.232 ± 0.012 $\chi^2/\text{NDF}: 45004.2/9$

-21.027 ± 0.011 $\chi^2/\text{NDF}: 78731.4/27$

0.221 ± 0.007 $\chi^2/\text{NDF}: 8061766.1/57$

19.412 ± 0.010 $\chi^2/\text{NDF}: 238355.8/29$

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -3.318+/-0.111 χ^2/NDF : 1410.2/10

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

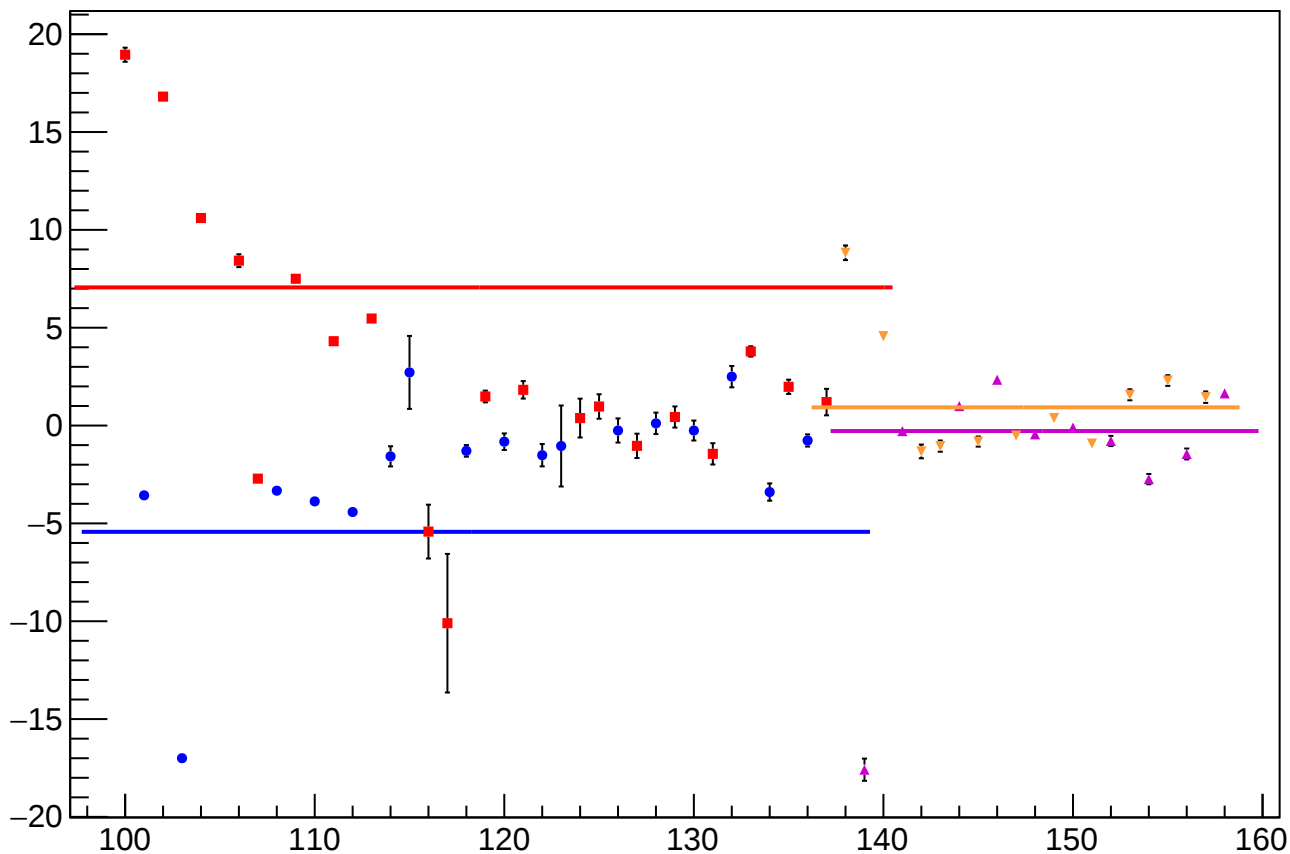
Left In: 1.974+/-0.111 χ^2/NDF : 577.6/9

-3.318+/-0.111 χ^2/NDF : 1410.2/10

-0.669+/-0.079 χ^2/NDF : 3121.5/20

1.974+/-0.111 χ^2/NDF : 577.6/9

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.431 $\pm$ 0.055 χ^2 /NDF: 9233.8/16

Left Out: 0.931 $\pm$ 0.077 χ^2 /NDF:980.0/10

Right Out: 7.061 $\pm$ 0.059 χ^2 /NDF: 12330.1/19

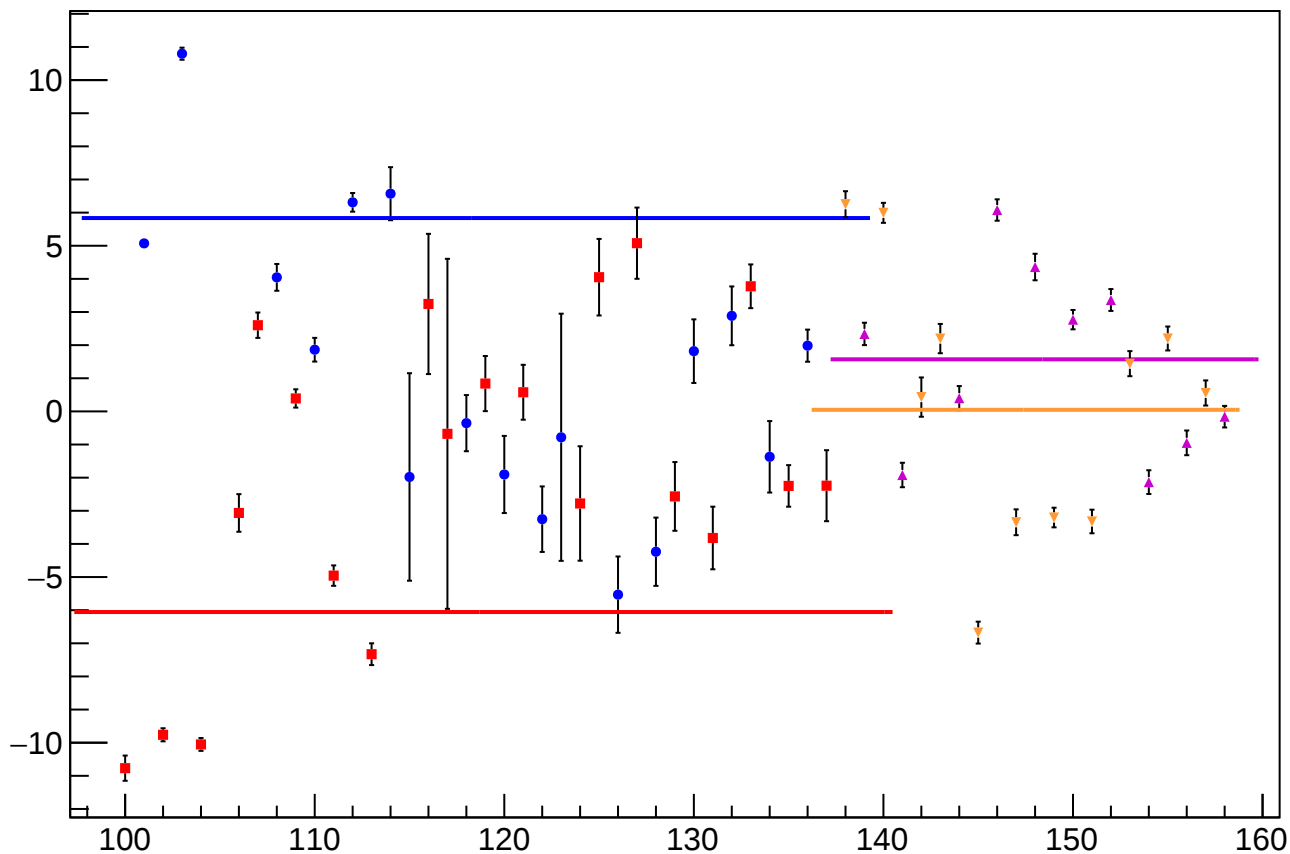
Left In: -0.280 $\pm$ 0.079 χ^2 /NDF:1280.9/9

-3.304 $\pm$ 0.045 χ^2 /NDF: 14708.5/27

0.352 $\pm$ 0.032 χ^2 /NDF: 47977.0/57

4.416 $\pm$ 0.047 χ^2 /NDF: 19185.0/29

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.836 $\pm$ 0.090 χ^2 /NDF: 1440.9/16

Left Out: 0.048 $\pm$ 0.110 χ^2 /NDF:1413.8/10

Right Out: -6.056 $\pm$ 0.093 χ^2 /NDF: 2669.9/19

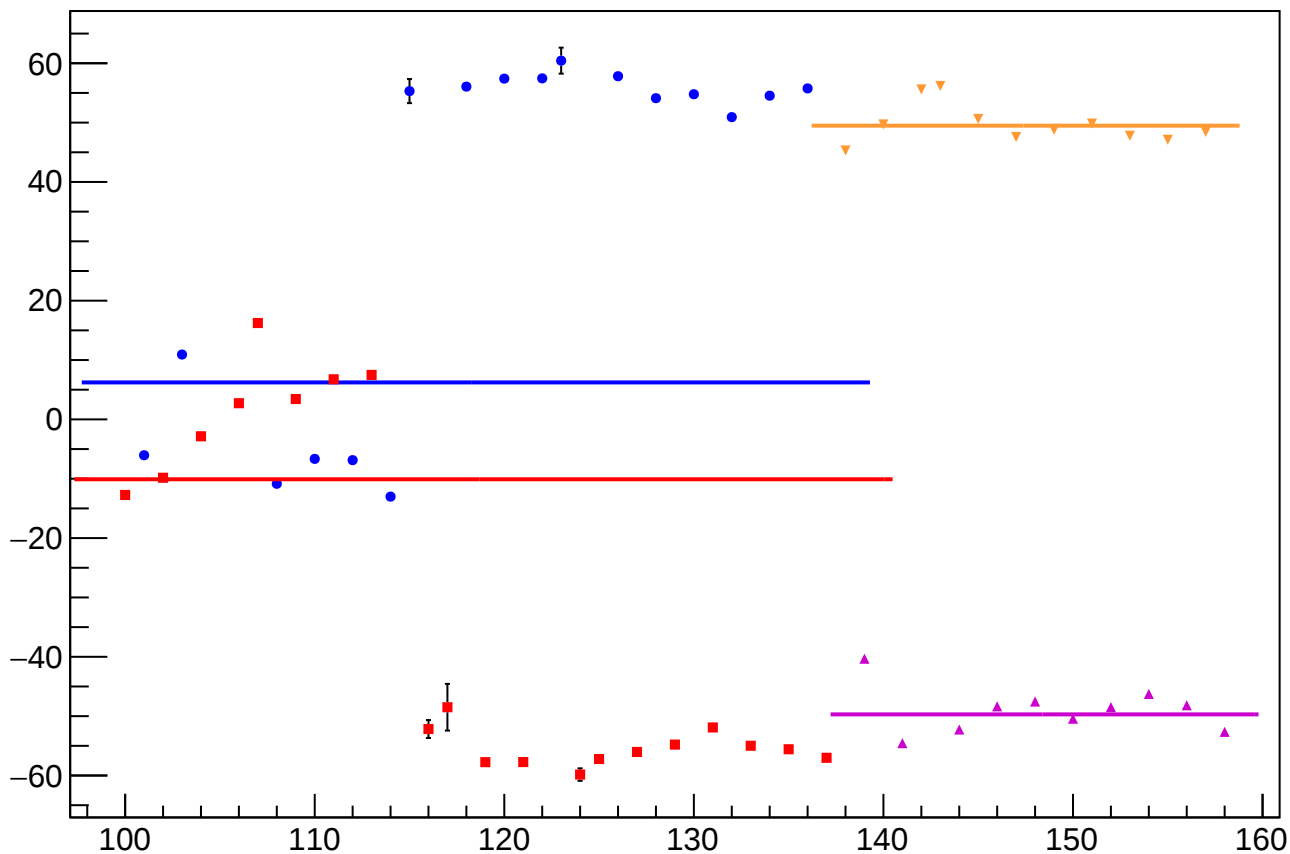
Left In: 1.572 $\pm$ 0.109 χ^2 /NDF:575.5/9

3.536 $\pm$ 0.070 χ^2 /NDF: 4511.2/27

0.413 $\pm$ 0.050 χ^2 /NDF: 14689.5/57

-2.817 $\pm$ 0.071 χ^2 /NDF: 6082.8/29

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.226 ± 0.065 $\chi^2/\text{NDF}: 120955.1/16$

Left Out: 49.486 ± 0.094 $\chi^2/\text{NDF}: 850.7/10$

Right Out: -10.087 ± 0.070 $\chi^2/\text{NDF}: 122144.7/19$

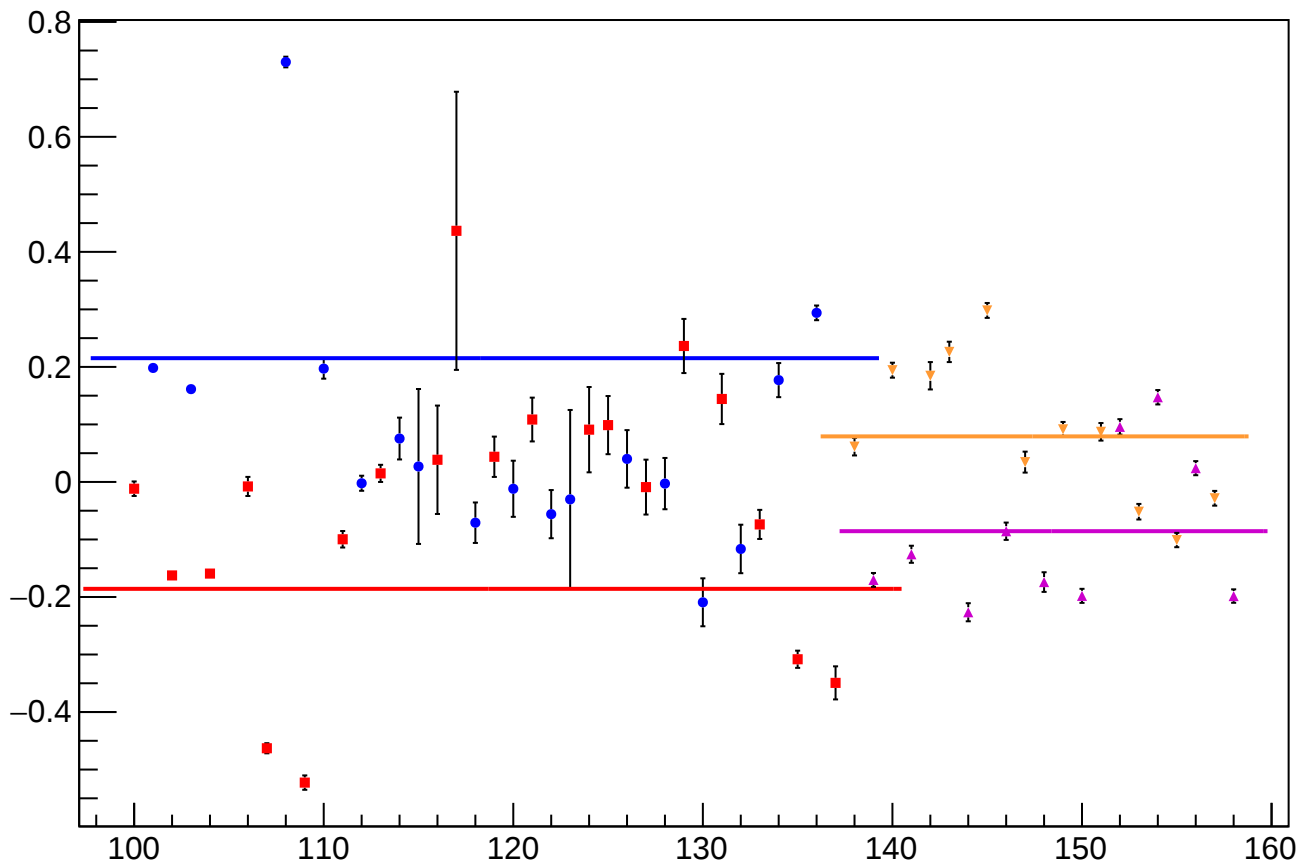
Left In: -49.702 ± 0.093 $\chi^2/\text{NDF}: 1025.4/9$

20.263 ± 0.053 $\chi^2/\text{NDF}: 266284.0/27$

-1.030 ± 0.039 $\chi^2/\text{NDF}: 840378.4/57$

-24.357 ± 0.056 $\chi^2/\text{NDF}: 239448.6/29$

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215 ± 0.003 χ^2/NDF : 3925.9/16

Left Out: 0.079 ± 0.004 χ^2/NDF : 834.9/10

Right Out: -0.186 ± 0.003 χ^2/NDF : 2724.7/19

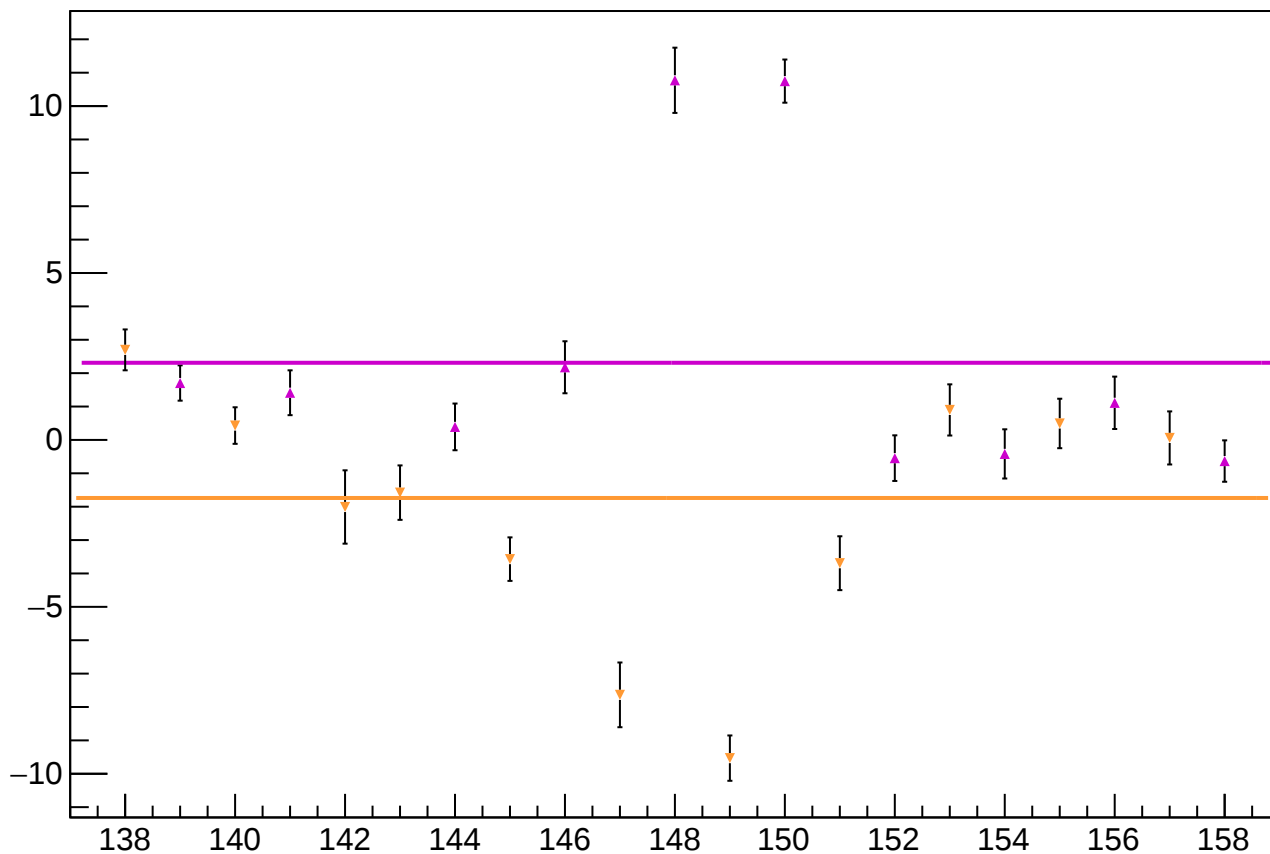
Left In: -0.086 ± 0.004 χ^2/NDF : 948.8/9

0.176 ± 0.002 χ^2/NDF : 5452.3/27

0.005 ± 0.002 χ^2/NDF : 19983.0/57

-0.157 ± 0.002 χ^2/NDF : 4073.5/29

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -1.739+/-0.221 χ^2/NDF : 276.8/10

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

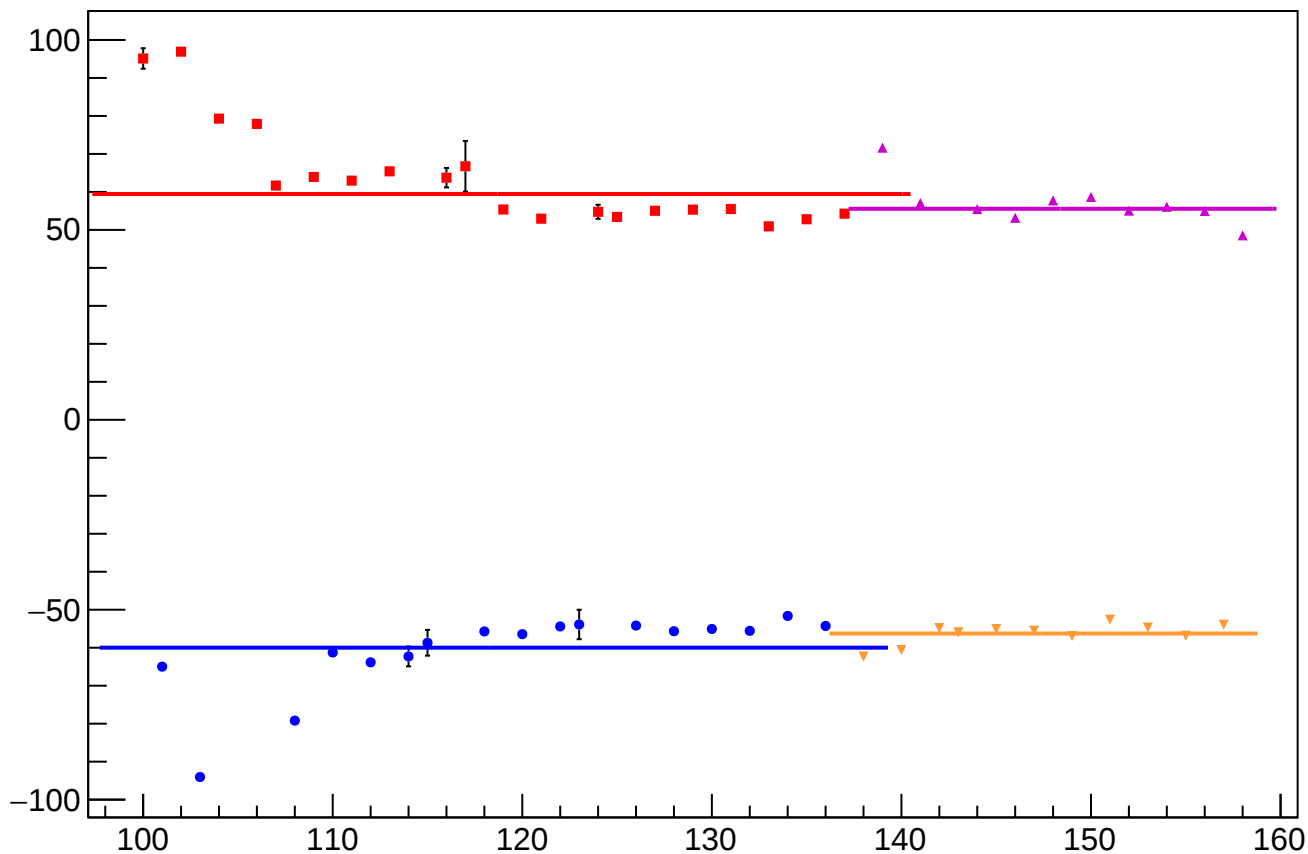
Left In: 2.311+/-0.218 χ^2/NDF : 312.0/9

-1.739+/-0.221 χ^2/NDF : 276.8/10

0.313+/-0.155 χ^2/NDF : 759.8/20

2.311+/-0.218 χ^2/NDF : 312.0/9

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -59.992 ± 0.225 χ^2/NDF : 1972.9/16

Left Out: -56.267 ± 0.158 χ^2/NDF : 270.2/10

Right Out: 59.442 ± 0.212 χ^2/NDF : 2919.1/19

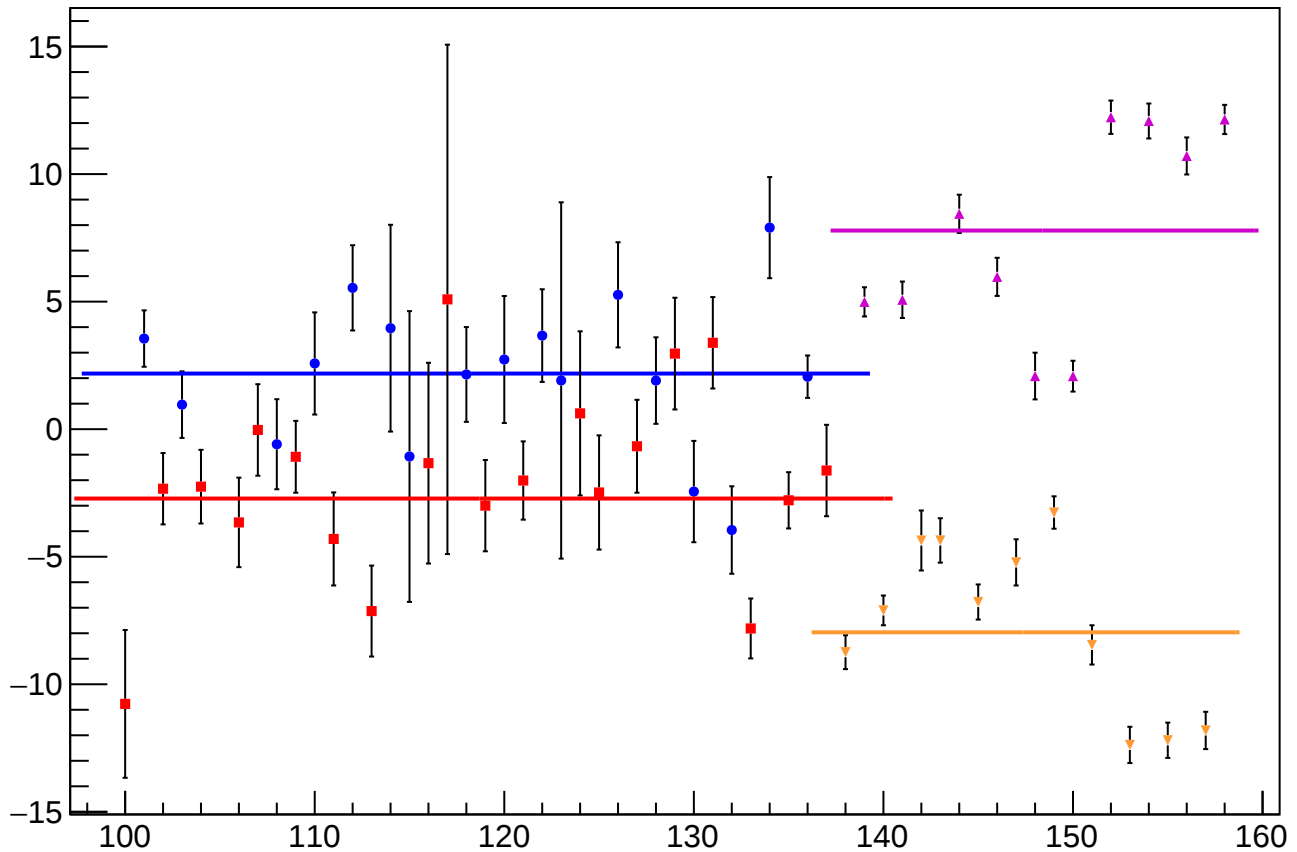
Left In: 55.566 ± 0.160 χ^2/NDF : 654.3/9

-57.502 ± 0.130 χ^2/NDF : 2426.4/27

0.628 ± 0.091 χ^2/NDF : 402734.1/57

56.971 ± 0.128 χ^2/NDF : 3786.9/29

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.181 ± 0.406 $\chi^2/\text{NDF}: 39.0/16$

Left Out: -7.963 ± 0.220 $\chi^2/\text{NDF}: 200.9/10$

Right Out: -2.719 ± 0.388 $\chi^2/\text{NDF}: 59.5/19$

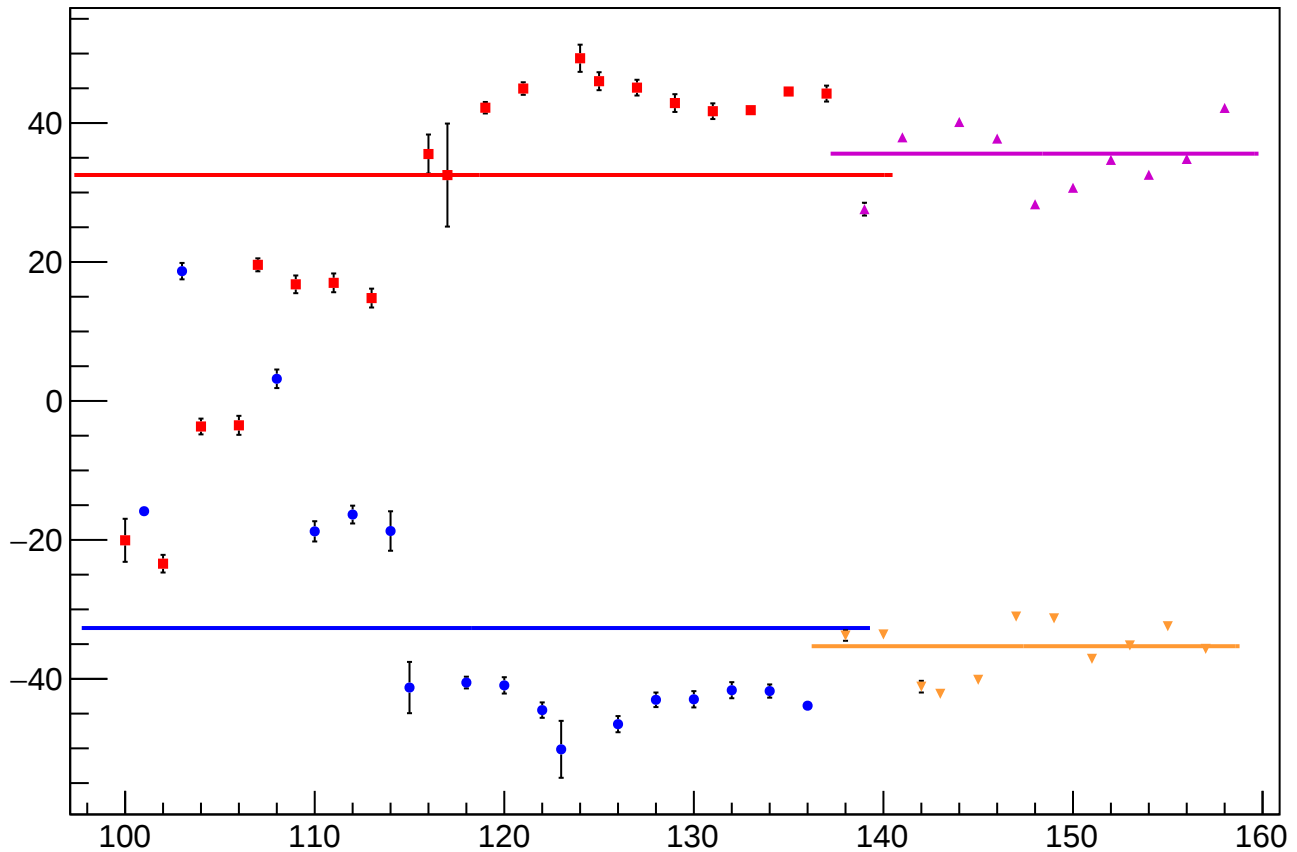
Left In: 7.787 ± 0.214 $\chi^2/\text{NDF}: 332.3/9$

-5.659 ± 0.193 $\chi^2/\text{NDF}: 723.3/27$

0.022 ± 0.134 $\chi^2/\text{NDF}: 3350.7/57$

5.341 ± 0.187 $\chi^2/\text{NDF}: 955.3/29$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.682 ± 0.256 $\chi^2/\text{NDF}: 4646.9/16$

Left Out: -35.299 ± 0.190 $\chi^2/\text{NDF}: 357.6/10$

Right Out: 32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/19$

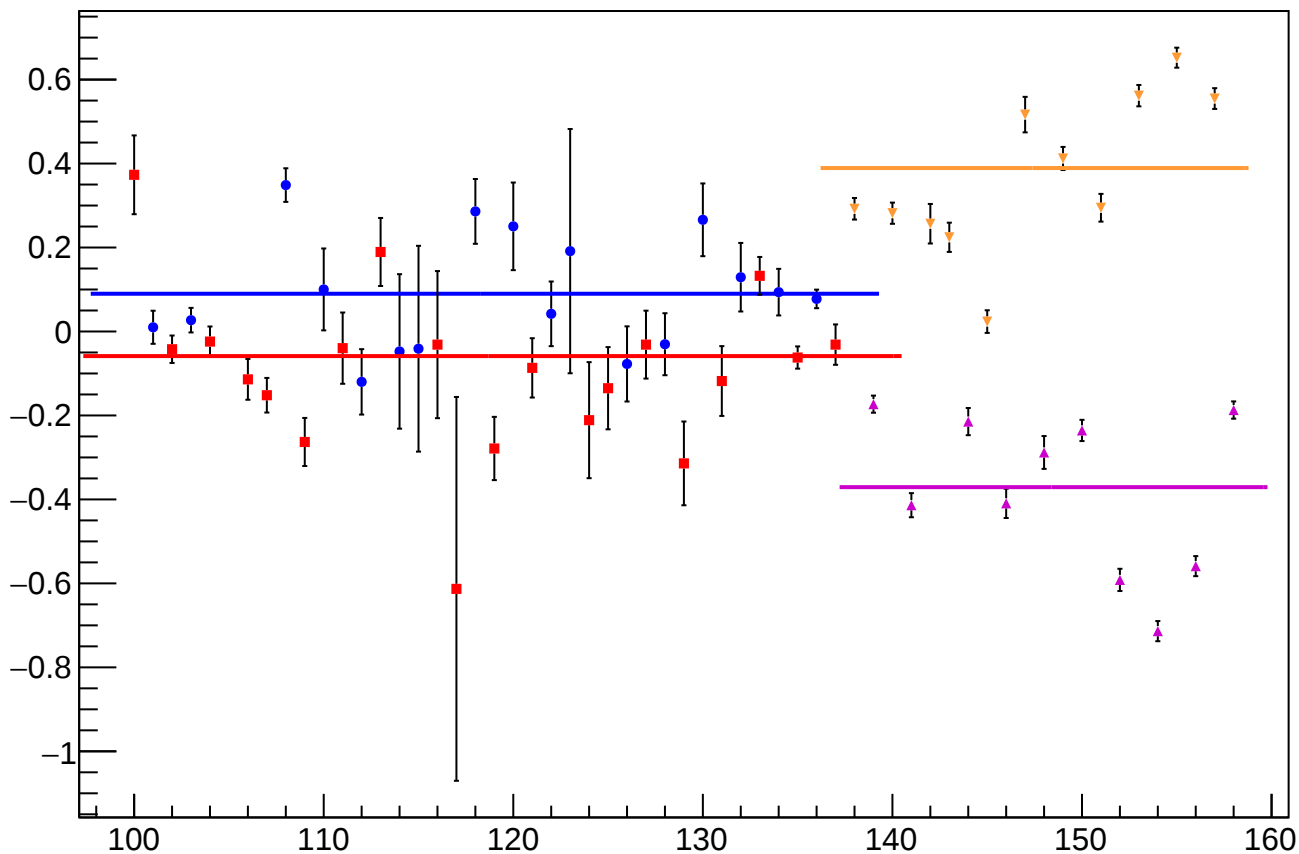
Left In: 35.591 ± 0.186 $\chi^2/\text{NDF}: 617.1/9$

-34.371 ± 0.152 $\chi^2/\text{NDF}: 5072.0/27$

1.053 ± 0.106 $\chi^2/\text{NDF}: 116921.1/57$

34.462 ± 0.148 $\chi^2/\text{NDF}: 6762.5/29$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.090 ± 0.013 χ^2/NDF : 78.8/16

Left Out: 0.389 ± 0.009 χ^2/NDF : 477.0/10

Right Out: -0.059 ± 0.012 χ^2/NDF : 88.6/19

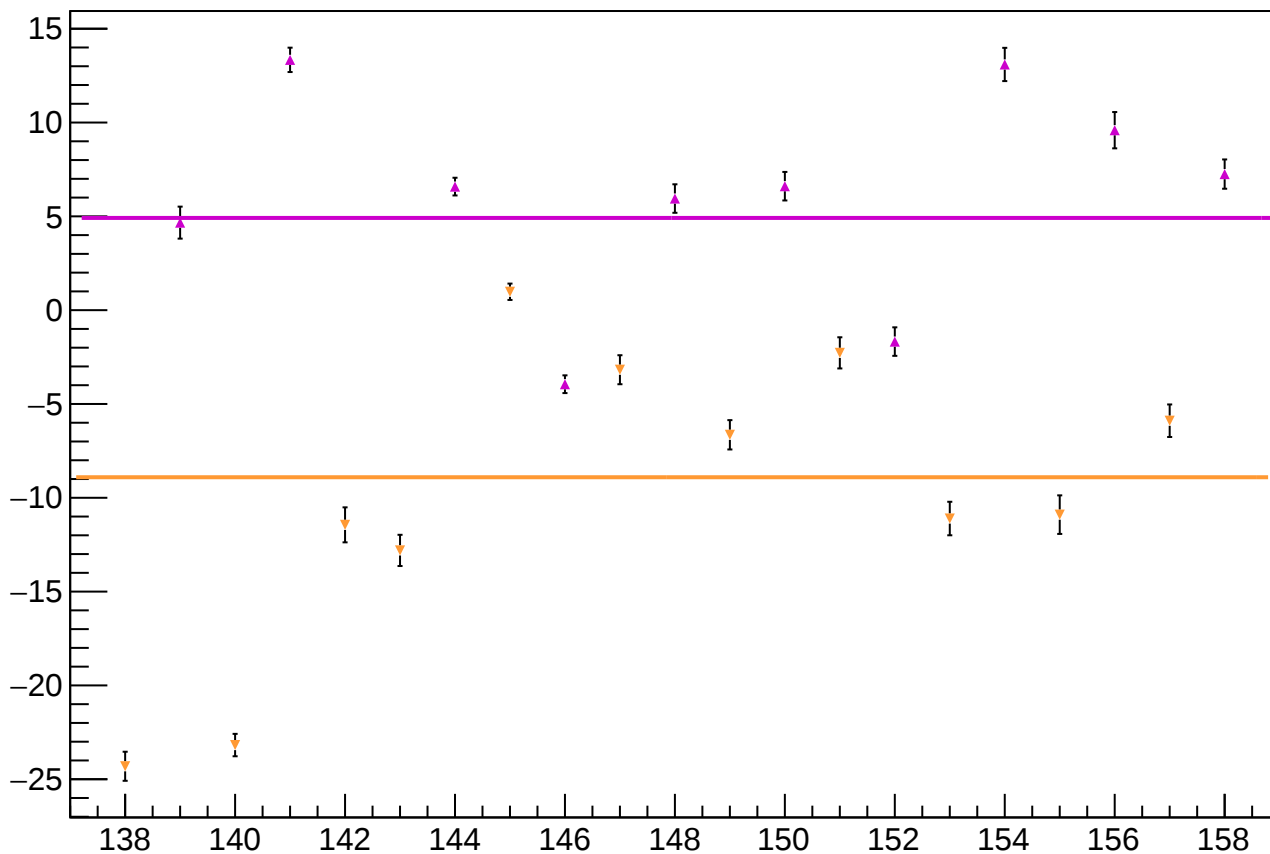
Left In: -0.371 ± 0.008 χ^2/NDF : 569.5/9

0.295 ± 0.007 χ^2/NDF : 934.6/27

-0.003 ± 0.005 χ^2/NDF : 5375.6/57

-0.273 ± 0.007 χ^2/NDF : 1111.0/29

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -8.905+/-0.220 χ^2/NDF : 1660.0/10

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

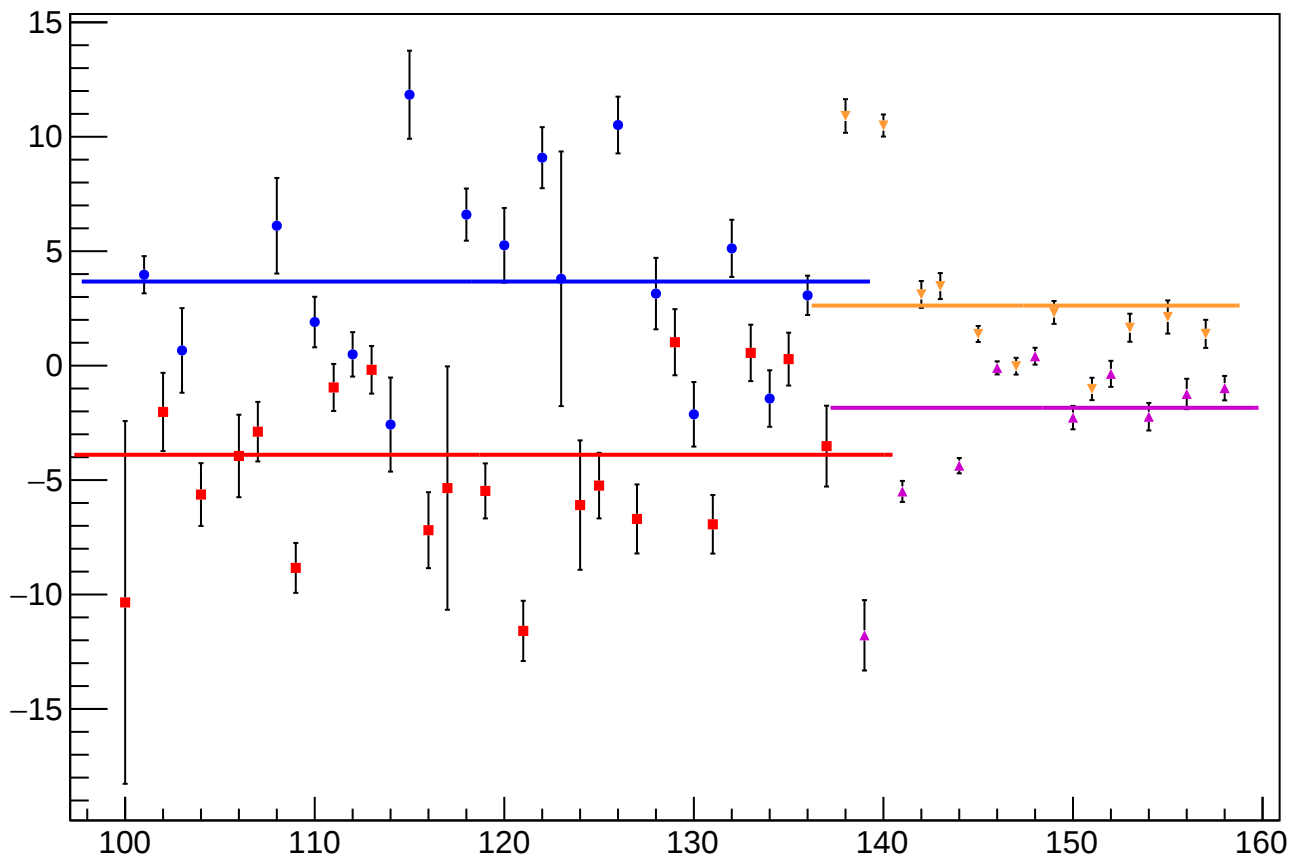
Left In: 4.916+/-0.214 χ^2/NDF : 732.3/9

-8.905+/-0.220 χ^2/NDF : 1660.0/10

-1.788+/-0.153 χ^2/NDF : 4421.0/20

4.916+/-0.214 χ^2/NDF : 732.3/9

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.675 ± 0.310 χ^2/NDF : 135.2/16

Left Out: 2.625 ± 0.152 χ^2/NDF : 524.1/10

Right Out: -3.895 ± 0.316 χ^2/NDF : 133.8/19

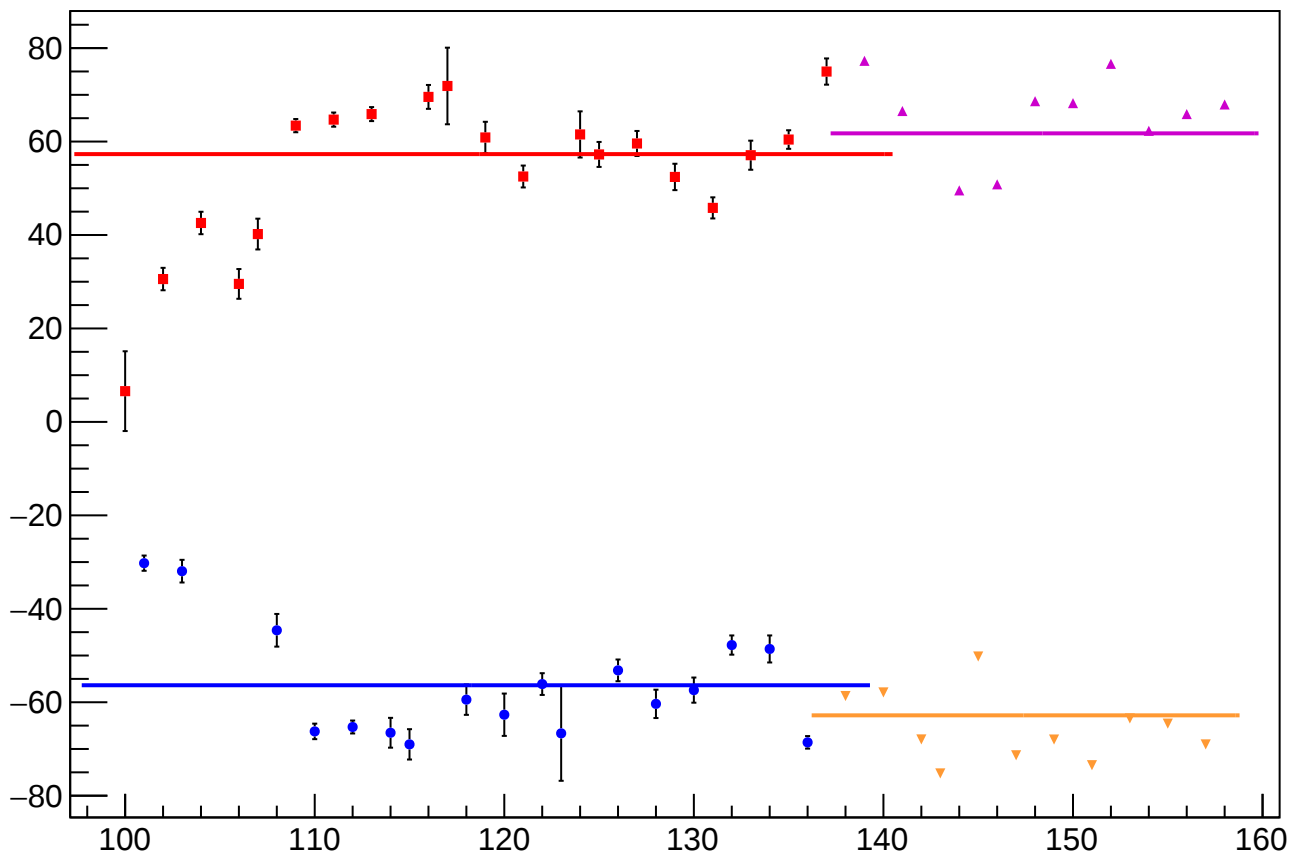
Left In: -1.842 ± 0.143 χ^2/NDF : 247.4/9

2.828 ± 0.137 χ^2/NDF : 668.5/27

0.197 ± 0.094 χ^2/NDF : 1791.9/57

-2.191 ± 0.130 χ^2/NDF : 416.3/29

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -56.362 ± 0.543 χ^2/NDF : 587.2/16

Left Out: -62.802 ± 0.222 χ^2/NDF : 1479.2/10

Right Out: 57.314 ± 0.535 χ^2/NDF : 479.2/19

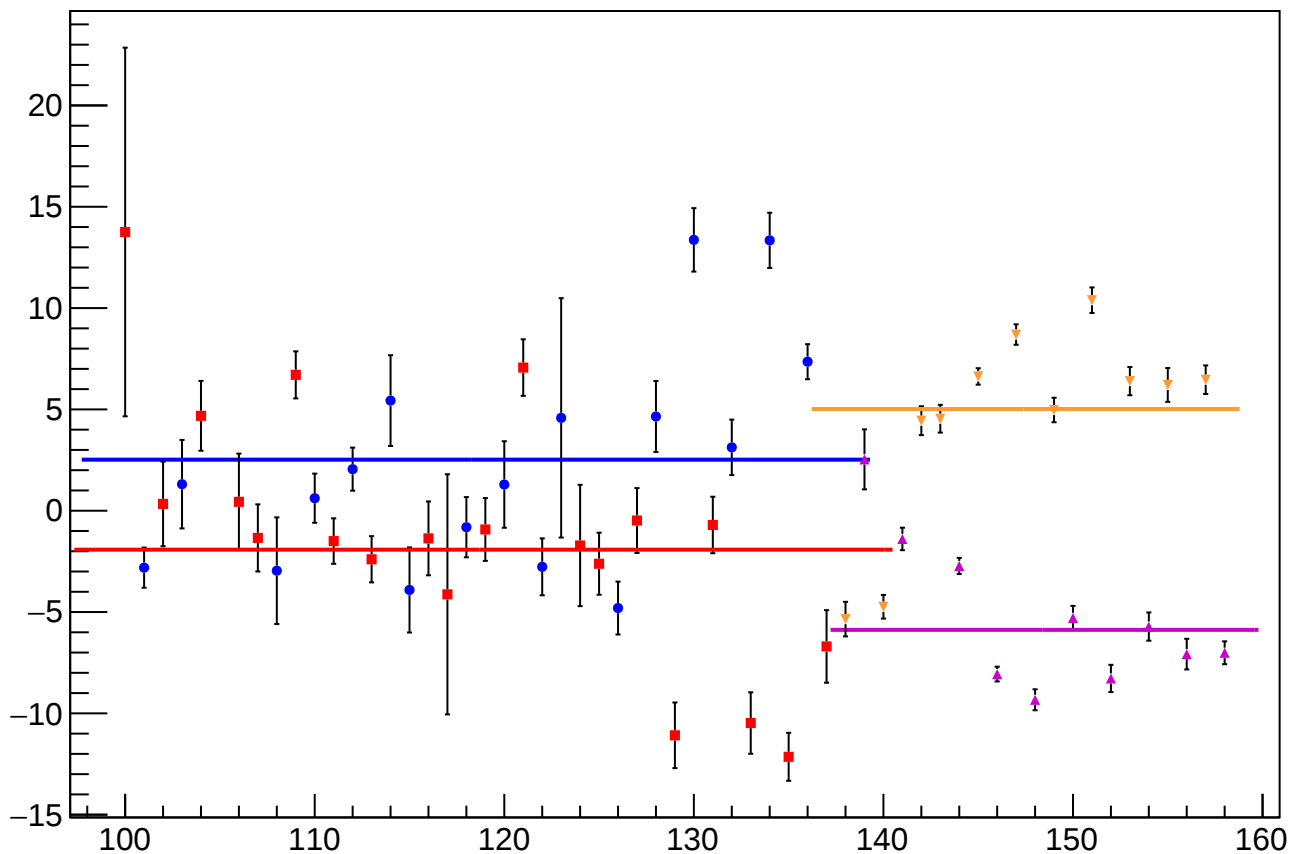
Left In: 61.756 ± 0.211 χ^2/NDF : 2181.9/9

-61.881 ± 0.205 χ^2/NDF : 2186.8/27

2.523 ± 0.142 χ^2/NDF : 192654.1/57

61.159 ± 0.196 χ^2/NDF : 2720.7/29

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.520 ± 0.347 $\chi^2/\text{NDF}: 242.3/16$

Left Out: 5.019 ± 0.185 $\chi^2/\text{NDF}: 579.2/10$

Right Out: -1.922 ± 0.354 $\chi^2/\text{NDF}: 264.7/19$

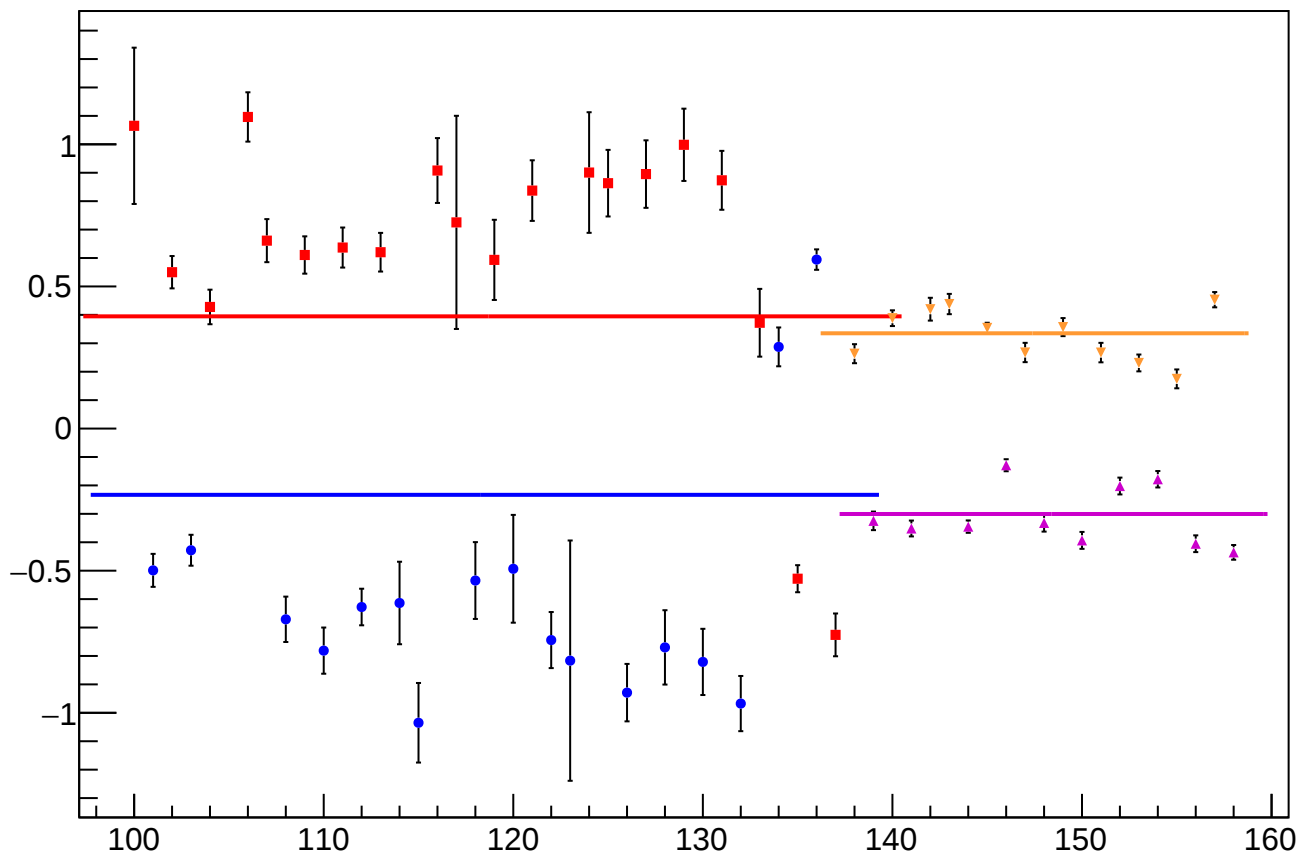
Left In: -5.880 ± 0.173 $\chi^2/\text{NDF}: 261.0/9$

4.465 ± 0.163 $\chi^2/\text{NDF}: 861.9/27$

-0.554 ± 0.113 $\chi^2/\text{NDF}: 3290.1/57$

-5.115 ± 0.156 $\chi^2/\text{NDF}: 626.4/29$

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.233 ± 0.019 χ^2/NDF : 956.8/16

Left Out: 0.335 ± 0.009 χ^2/NDF : 85.5/10

Right Out: 0.395 ± 0.019 χ^2/NDF : 845.9/19

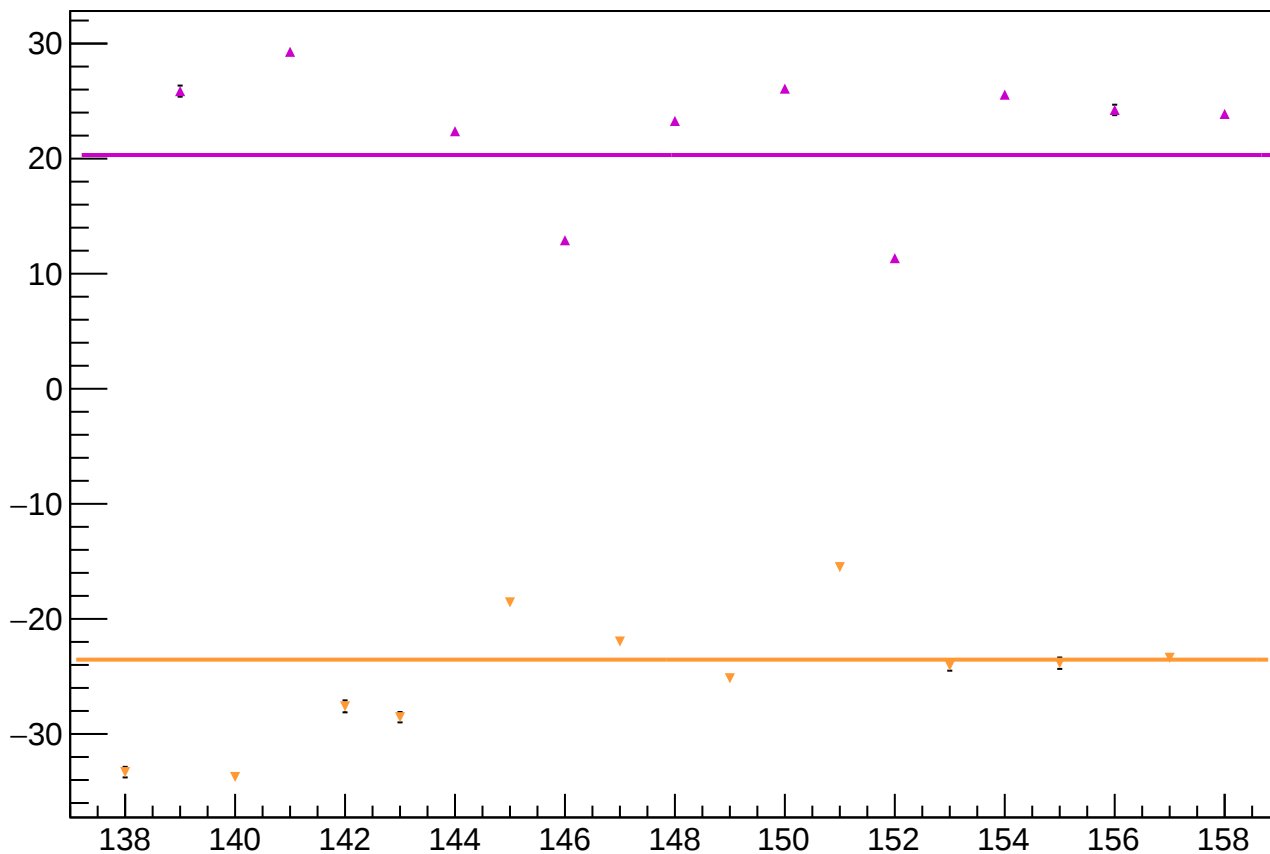
Left In: -0.301 ± 0.009 χ^2/NDF : 153.2/9

0.233 ± 0.008 χ^2/NDF : 1783.6/27

0.019 ± 0.006 χ^2/NDF : 5290.1/57

-0.183 ± 0.008 χ^2/NDF : 2117.2/29

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -23.540+/-0.108 χ^2/NDF : 2683.0/10

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

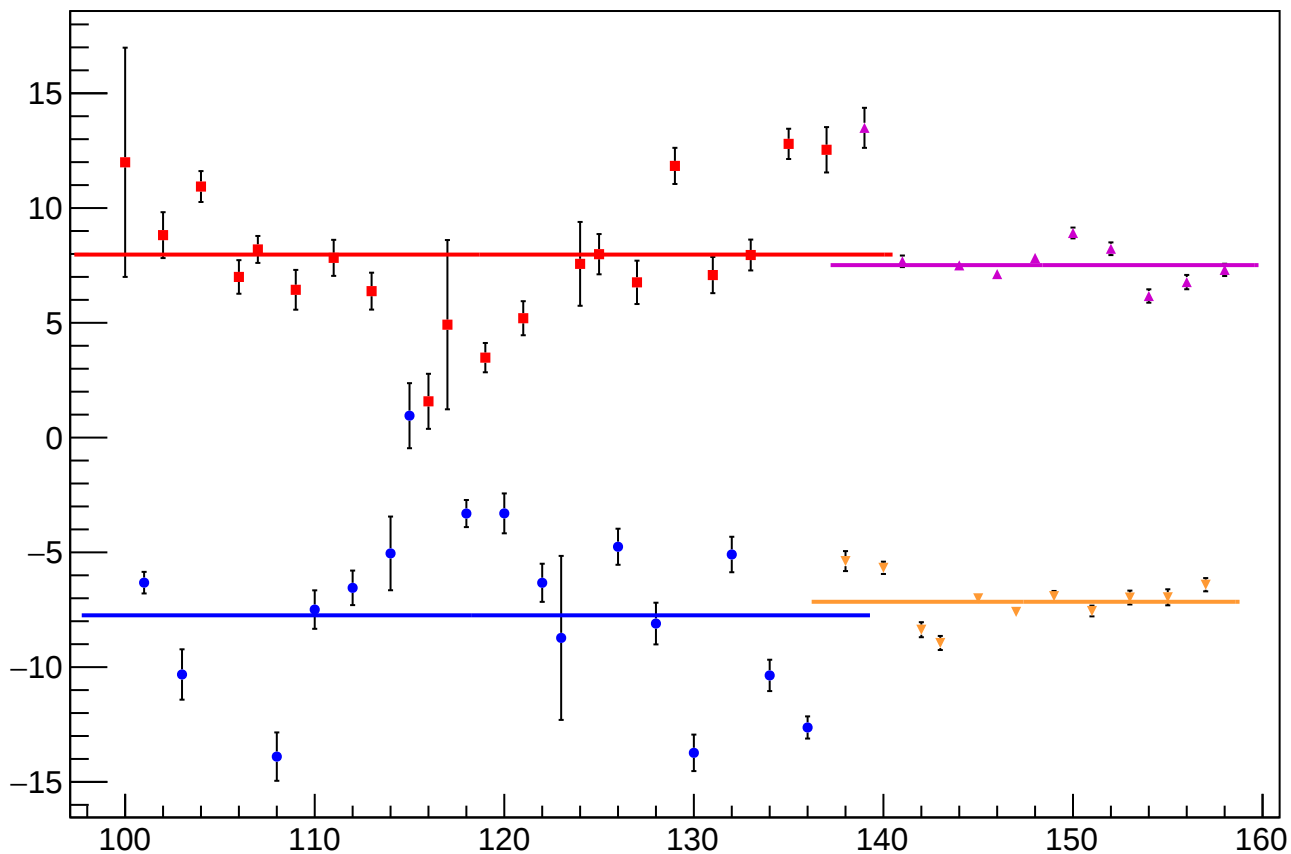
Left In: 20.314+/-0.100 χ^2/NDF : 3645.9/9

-23.540+/-0.108 χ^2/NDF : 2683.0/10

0.090+/-0.073 χ^2/NDF : 95581.5/20

20.314+/-0.100 χ^2/NDF : 3645.9/9

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.743 ± 0.187 χ^2/NDF : 377.5/16

Left Out: -7.153 ± 0.074 χ^2/NDF : 114.2/10

Right Out: 7.973 ± 0.186 χ^2/NDF : 224.2/19

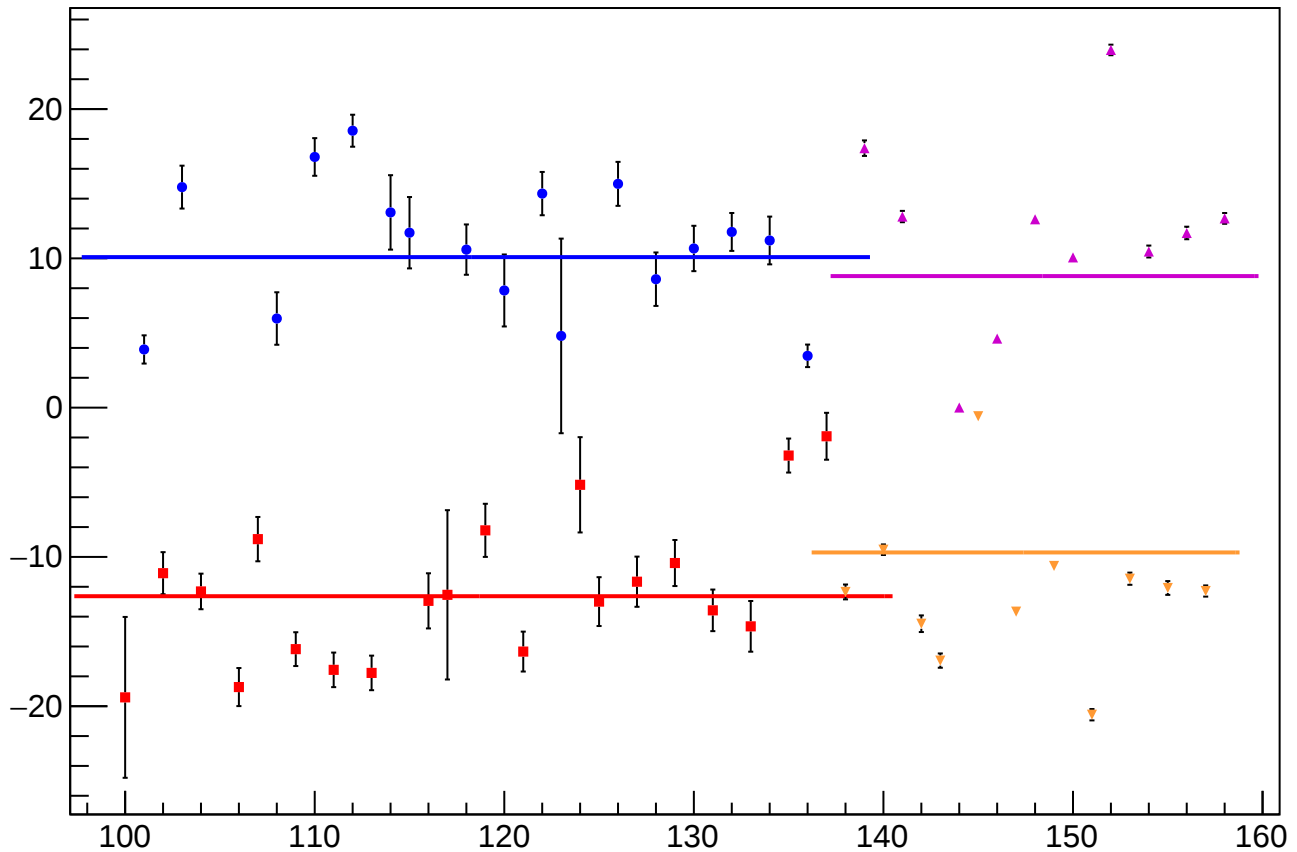
Left In: 7.514 ± 0.066 χ^2/NDF : 131.3/9

-7.233 ± 0.069 χ^2/NDF : 500.3/27

0.916 ± 0.046 χ^2/NDF : 26277.8/57

7.565 ± 0.062 χ^2/NDF : 361.0/29

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 10.083 ± 0.338 χ^2/NDF : 252.7/16

Left Out: -9.700 ± 0.108 χ^2/NDF : 3348.0/10

Right Out: -12.631 ± 0.332 χ^2/NDF : 218.6/19

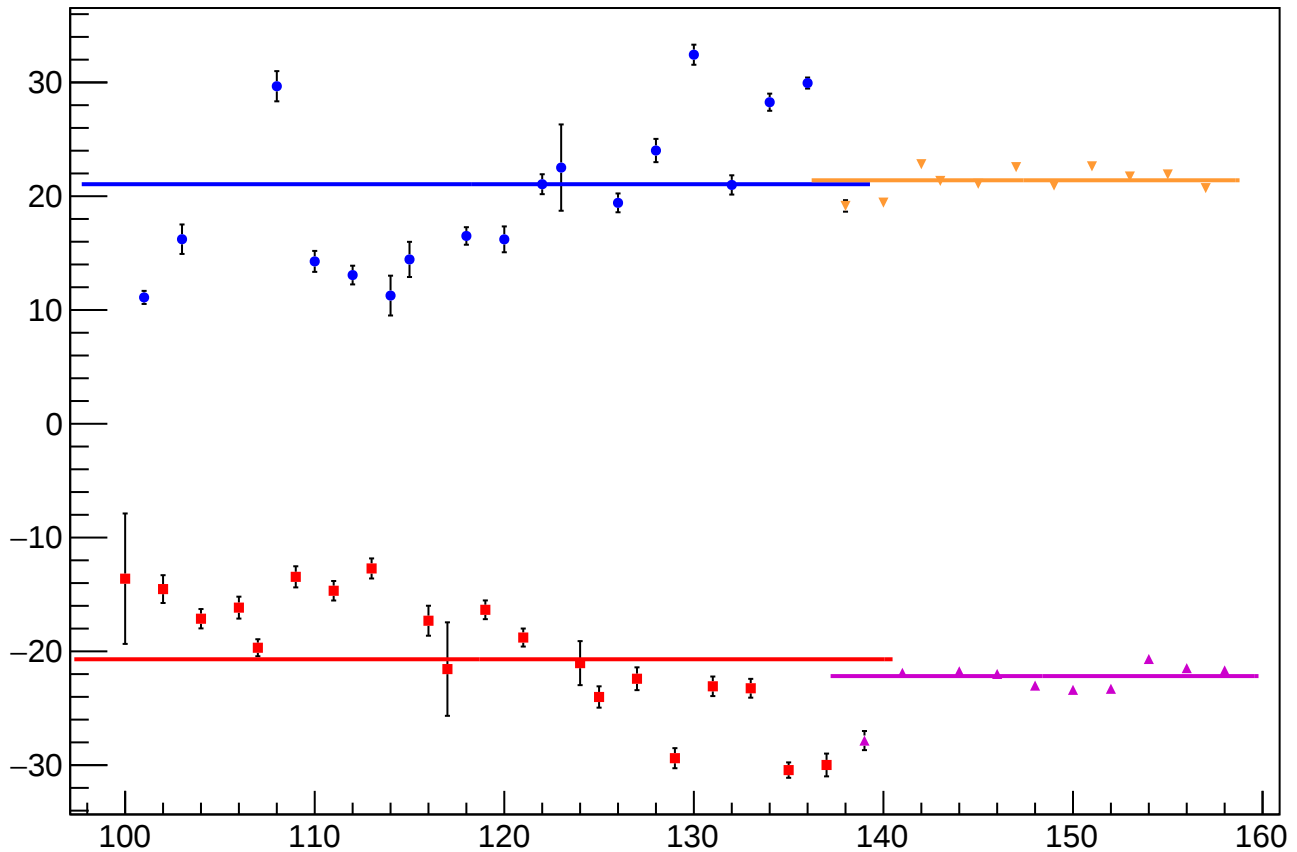
Left In: 8.813 ± 0.098 χ^2/NDF : 4421.6/9

-7.870 ± 0.103 χ^2/NDF : 6710.8/27

0.297 ± 0.069 χ^2/NDF : 26758.9/57

7.101 ± 0.094 χ^2/NDF : 8477.1/29

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 21.055 ± 0.211 $\chi^2/\text{NDF}: 1211.8/16$

Left Out: 21.400 ± 0.090 $\chi^2/\text{NDF}: 122.4/10$

Right Out: -20.696 ± 0.212 $\chi^2/\text{NDF}: 724.1/19$

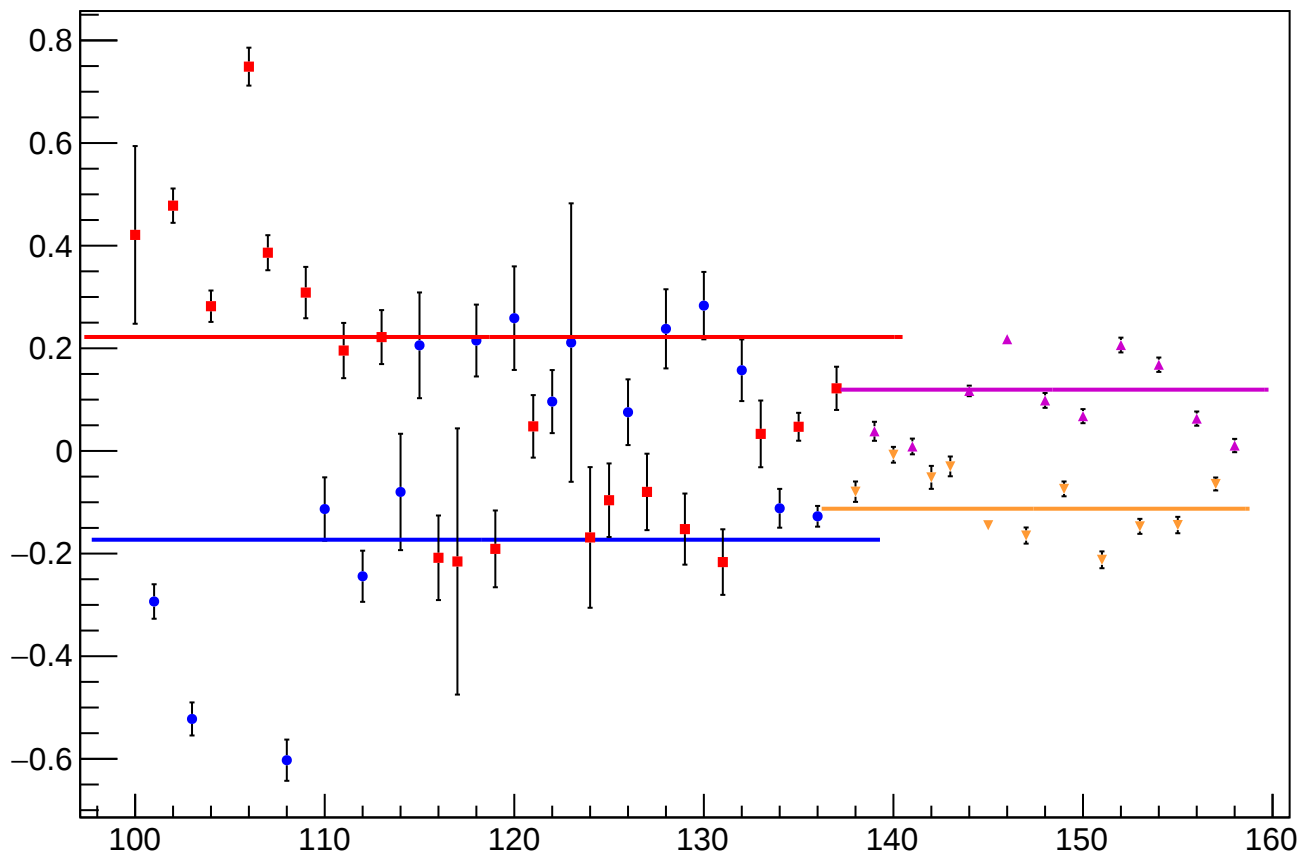
Left In: -22.174 ± 0.080 $\chi^2/\text{NDF}: 122.6/9$

21.346 ± 0.083 $\chi^2/\text{NDF}: 1336.5/27$

-2.445 ± 0.056 $\chi^2/\text{NDF}: 152248.5/57$

-21.989 ± 0.075 $\chi^2/\text{NDF}: 889.1/29$

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.173 ± 0.011 χ^2/NDF : 461.8/16

Left Out: -0.113 ± 0.004 χ^2/NDF : 170.2/10

Right Out: 0.222 ± 0.011 χ^2/NDF : 538.0/19

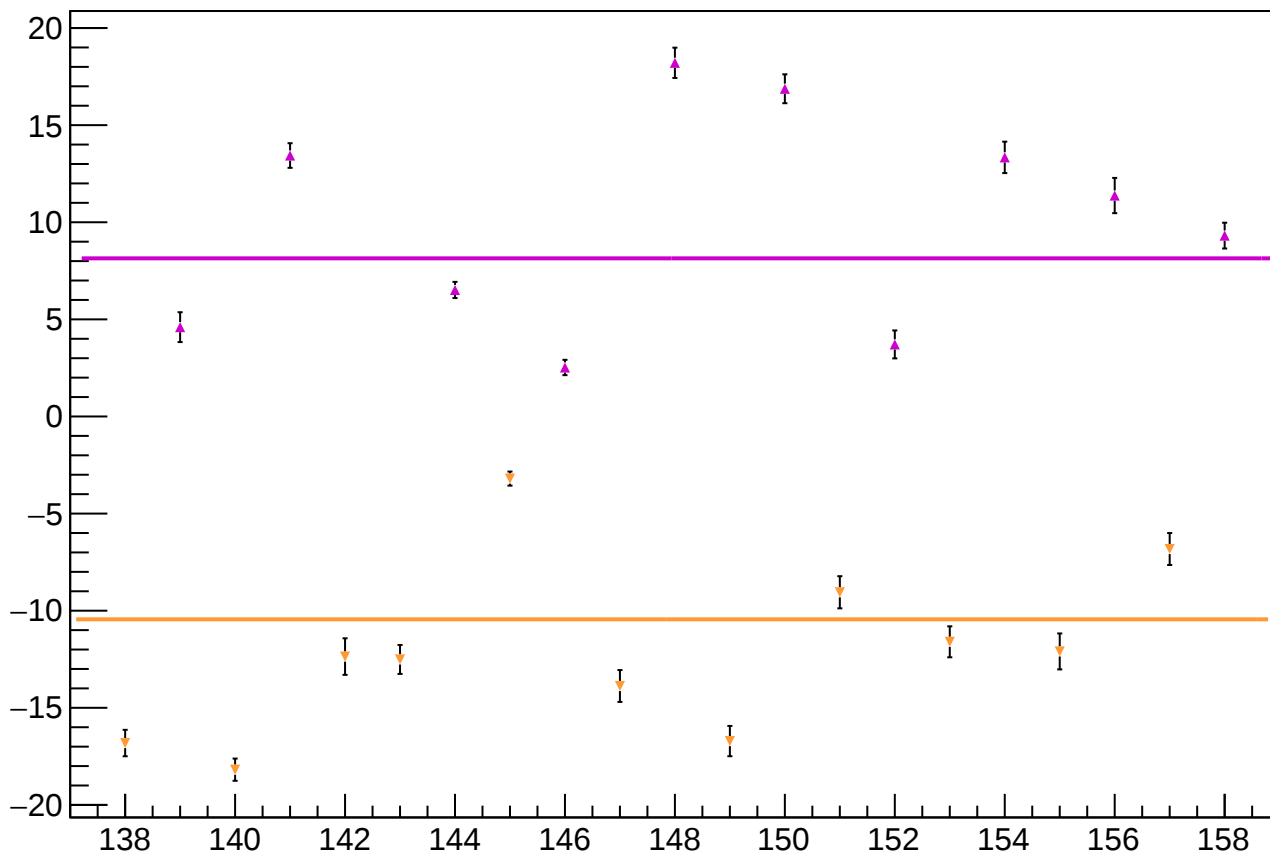
Left In: 0.119 ± 0.004 χ^2/NDF : 358.4/9

-0.120 ± 0.004 χ^2/NDF : 657.4/27

0.013 ± 0.003 χ^2/NDF : 3721.5/57

0.132 ± 0.004 χ^2/NDF : 973.8/29

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -10.444 $\pm$ 0.202 χ^2 /NDF: 791.5/10

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

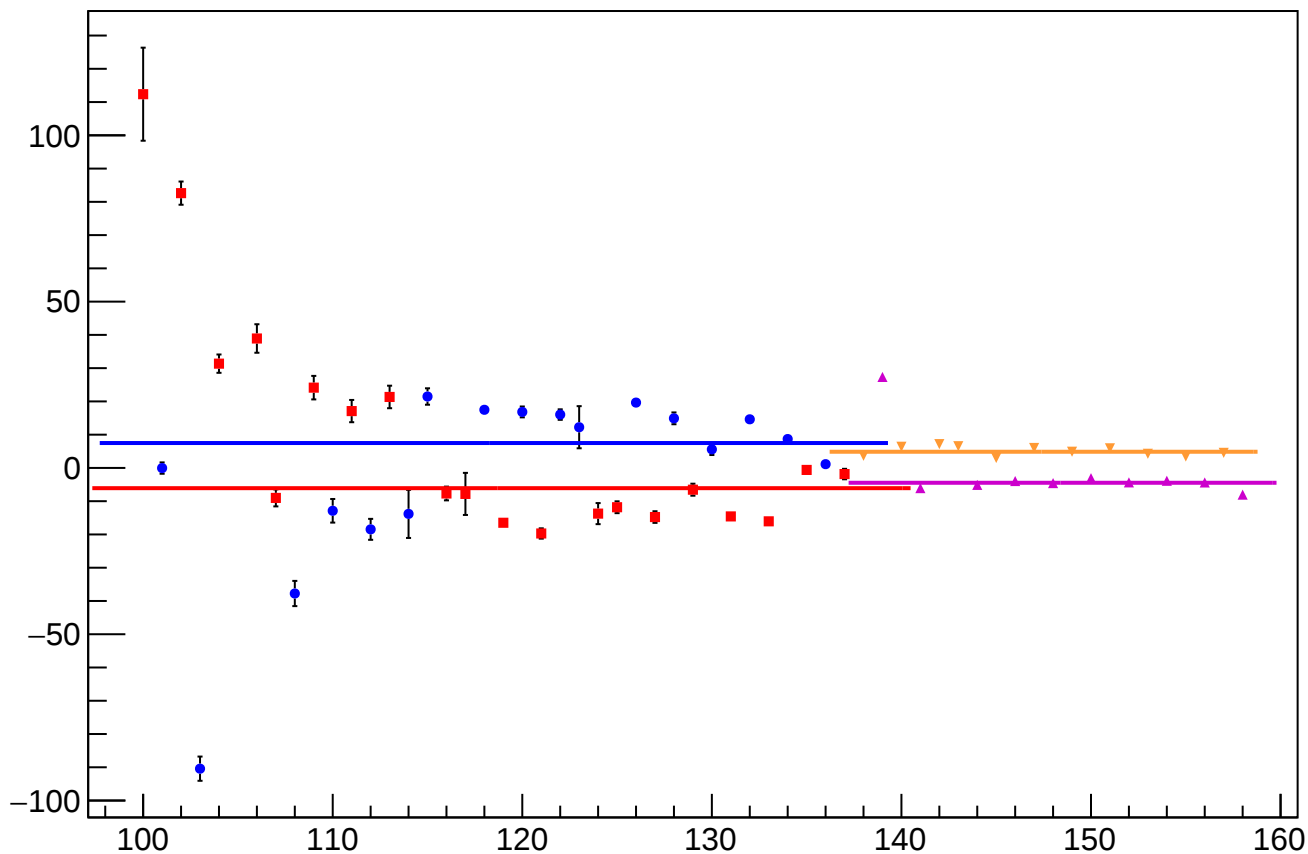
Left In: 8.142 $\pm$ 0.193 χ^2 /NDF: 709.0/9

-10.444 $\pm$ 0.202 χ^2 /NDF: 791.5/10

-0.749 $\pm$ 0.140 χ^2 /NDF: 5925.5/20

8.142 $\pm$ 0.193 χ^2 /NDF: 709.0/9

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.488 $\pm$ 0.407 χ^2/NDF : 1340.5/16

Left Out: 4.865 $\pm$ 0.142 χ^2/NDF : 101.6/10

Right Out: -6.086 $\pm$ 0.433 χ^2/NDF : 1512.2/19

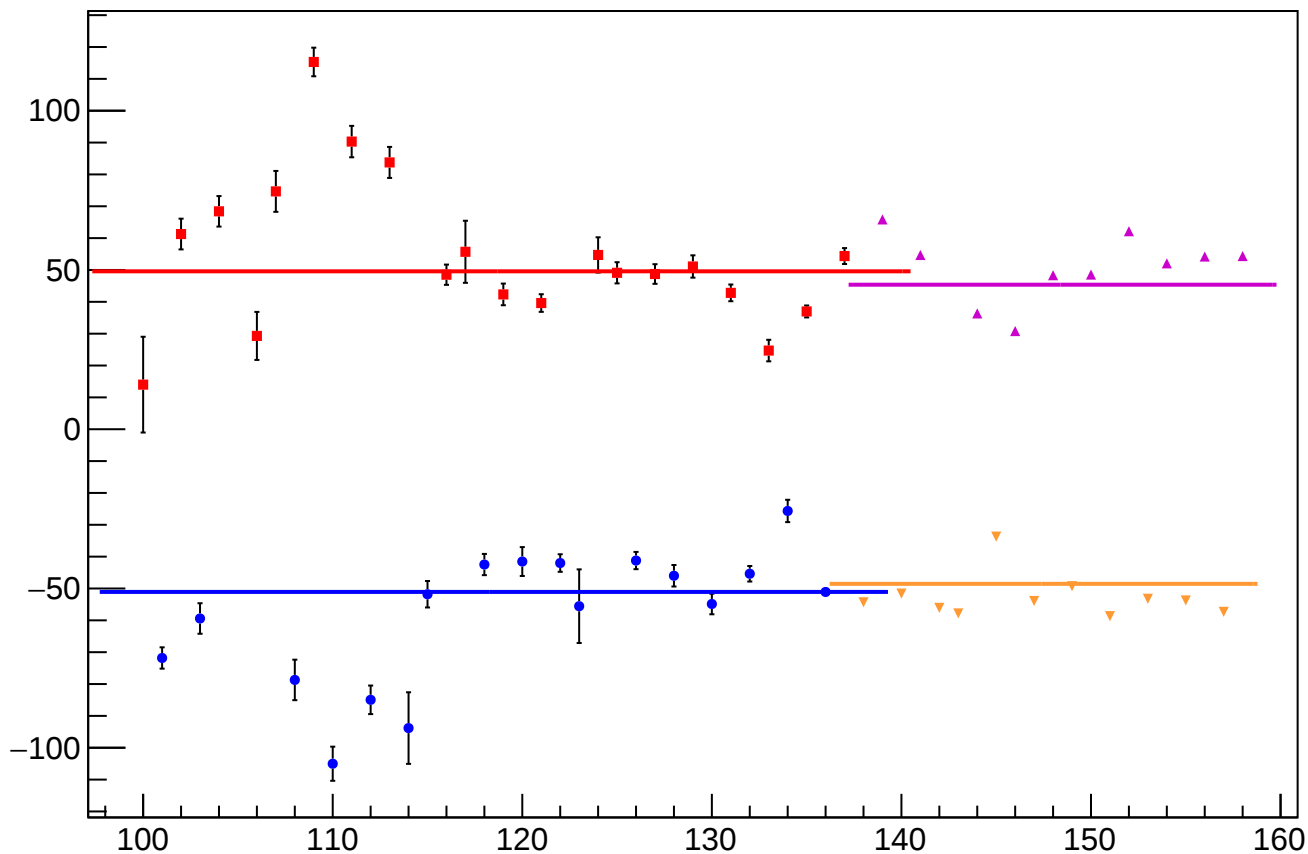
Left In: -4.462 $\pm$ 0.132 χ^2/NDF : 622.7/9

5.152 $\pm$ 0.134 χ^2/NDF : 1479.1/27

-0.044 $\pm$ 0.092 χ^2/NDF : 6429.5/57

-4.599 $\pm$ 0.126 χ^2/NDF : 2147.7/29

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -51.077 ± 0.741 χ^2/NDF : 330.2/16

Left Out: -48.541 ± 0.205 χ^2/NDF : 2168.7/10

Right Out: 49.579 ± 0.796 χ^2/NDF : 510.0/19

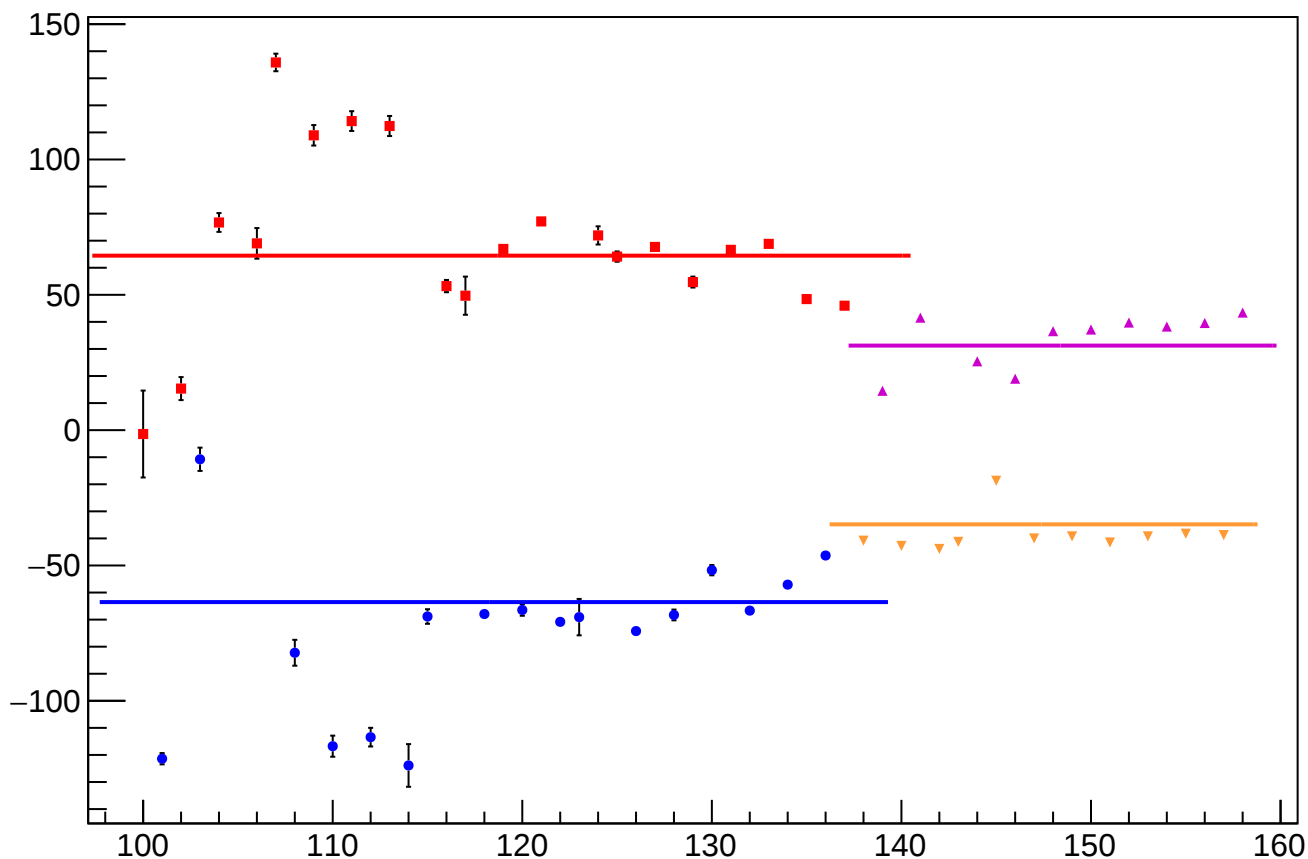
Left In: 45.374 ± 0.191 χ^2/NDF : 3713.1/9

-48.721 ± 0.197 χ^2/NDF : 2509.8/27

1.370 ± 0.135 χ^2/NDF : 128071.3/57

45.602 ± 0.185 χ^2/NDF : 4249.4/29

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -63.525 ± 0.449 χ^2/NDF : 2010.9/16

Left Out: -34.804 ± 0.172 χ^2/NDF : 3230.7/10

Right Out: 64.470 ± 0.482 χ^2/NDF : 1607.5/19

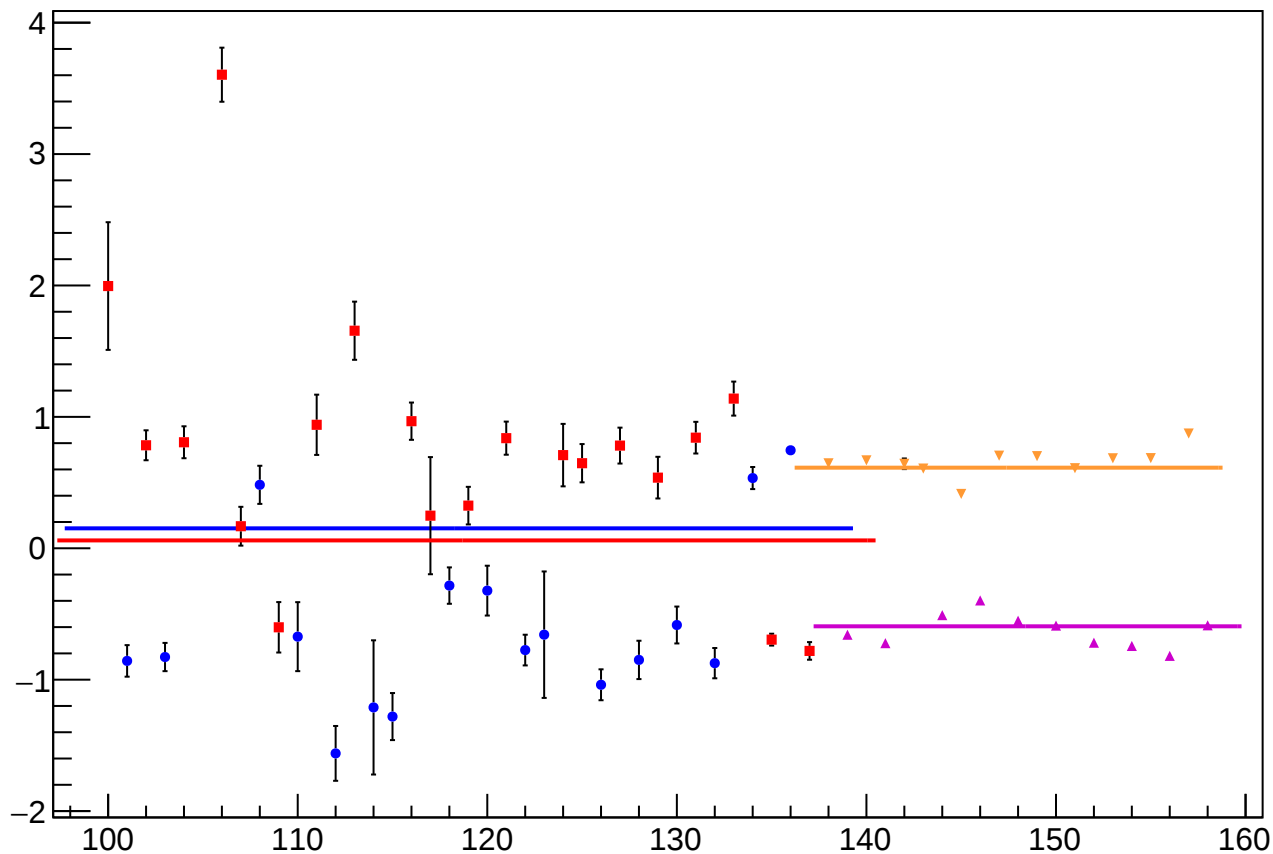
Left In: 31.240 ± 0.158 χ^2/NDF : 3594.6/9

-38.479 ± 0.160 χ^2/NDF : 8815.0/27

0.370 ± 0.110 χ^2/NDF : 128348.6/57

34.477 ± 0.150 χ^2/NDF : 9495.3/29

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.152 ± 0.024 $\chi^2/\text{NDF}: 987.4/16$

Left Out: 0.613 ± 0.008 $\chi^2/\text{NDF}: 310.3/10$

Right Out: 0.060 ± 0.026 $\chi^2/\text{NDF}: 1162.1/19$

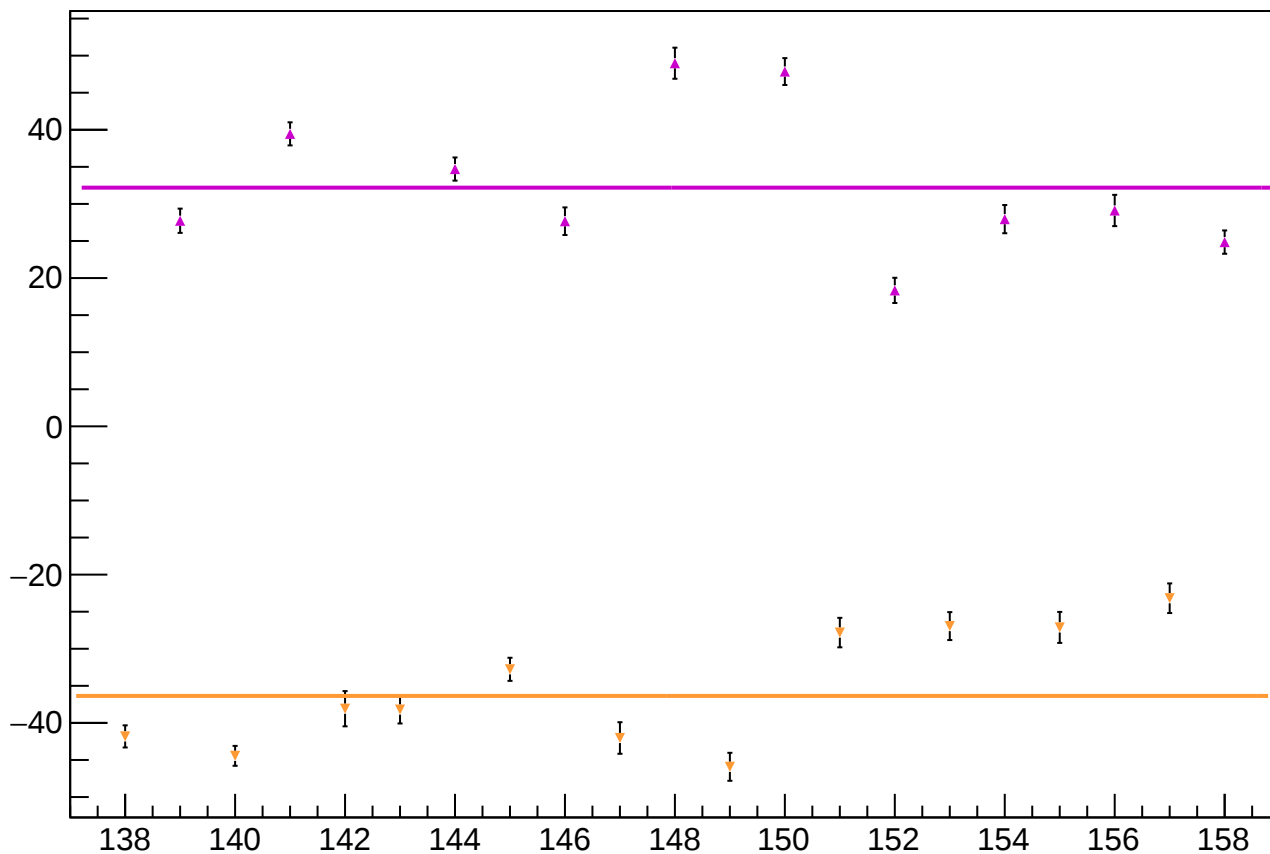
Left In: -0.594 ± 0.008 $\chi^2/\text{NDF}: 287.8/9$

0.566 ± 0.008 $\chi^2/\text{NDF}: 1629.1/27$

-0.006 ± 0.005 $\chi^2/\text{NDF}: 14374.6/57$

-0.541 ± 0.007 $\chi^2/\text{NDF}: 2020.4/29$

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -36.362 ± 0.543 χ^2/NDF : 195.7/10

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

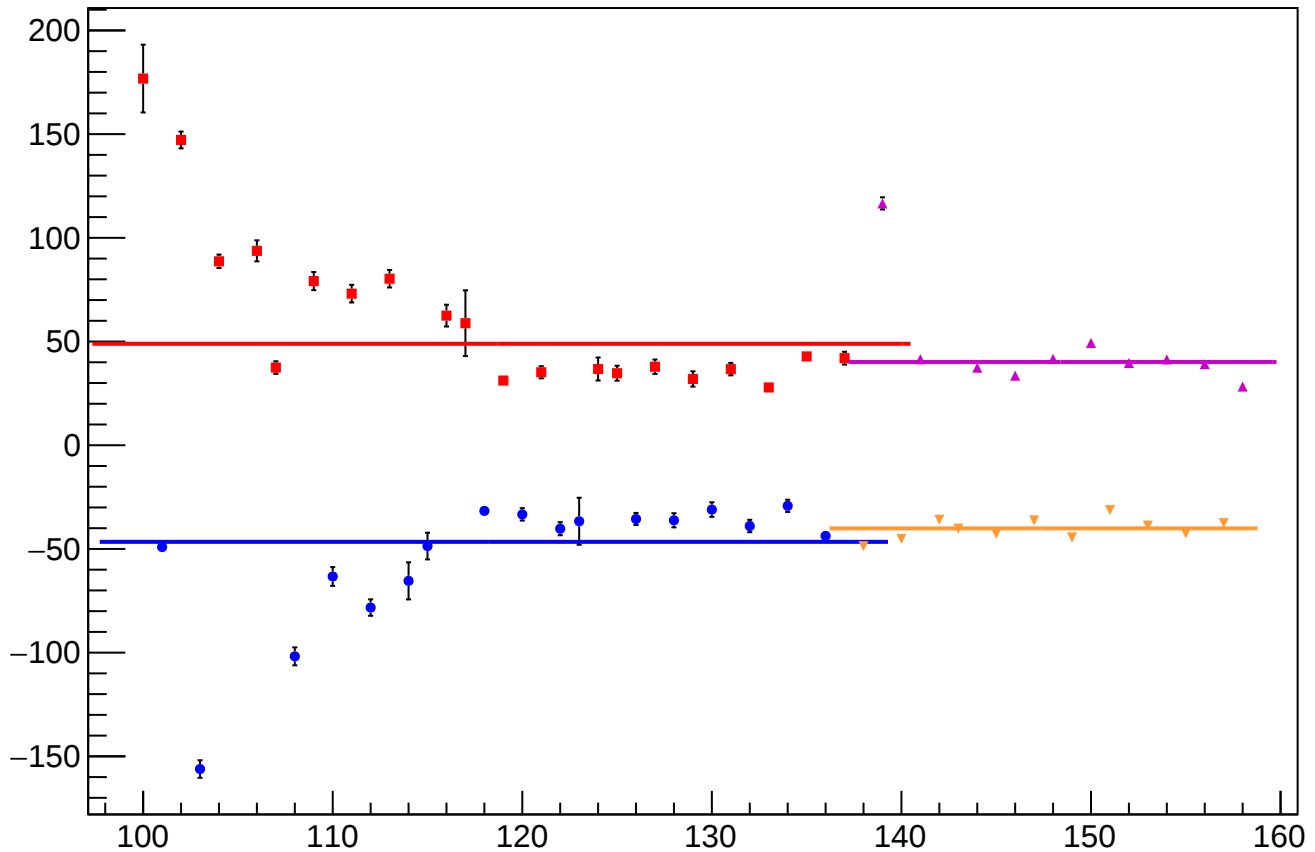
Left In: 32.193 ± 0.553 χ^2/NDF : 271.8/9

-36.362 ± 0.543 χ^2/NDF : 195.7/10

-2.742 ± 0.387 χ^2/NDF : 8290.0/20

32.193 ± 0.553 χ^2/NDF : 271.8/9

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -46.579 ± 0.730 χ^2/NDF : 1076.4/16

Left Out: -40.086 ± 0.381 χ^2/NDF : 157.3/10

Right Out: 48.911 ± 0.763 χ^2/NDF : 1277.9/19

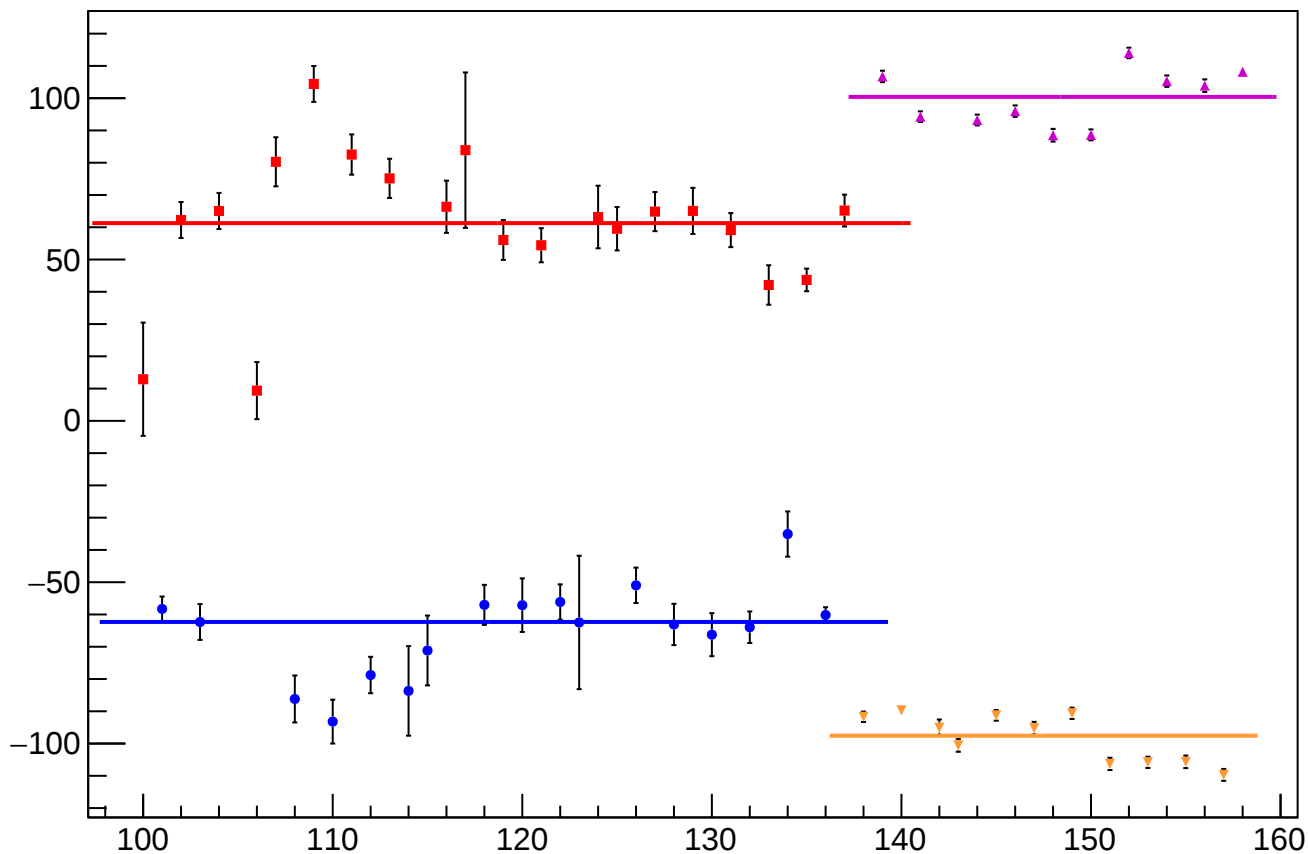
Left In: 40.153 ± 0.387 χ^2/NDF : 902.0/9

-41.477 ± 0.338 χ^2/NDF : 1295.9/27

-0.706 ± 0.241 χ^2/NDF : 33401.5/57

41.950 ± 0.345 χ^2/NDF : 2284.8/29

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.315 ± 1.316 χ^2/NDF : 67.1/16

Left Out: -97.566 ± 0.544 χ^2/NDF : 182.0/10

Right Out: 61.277 ± 1.379 χ^2/NDF : 165.9/19

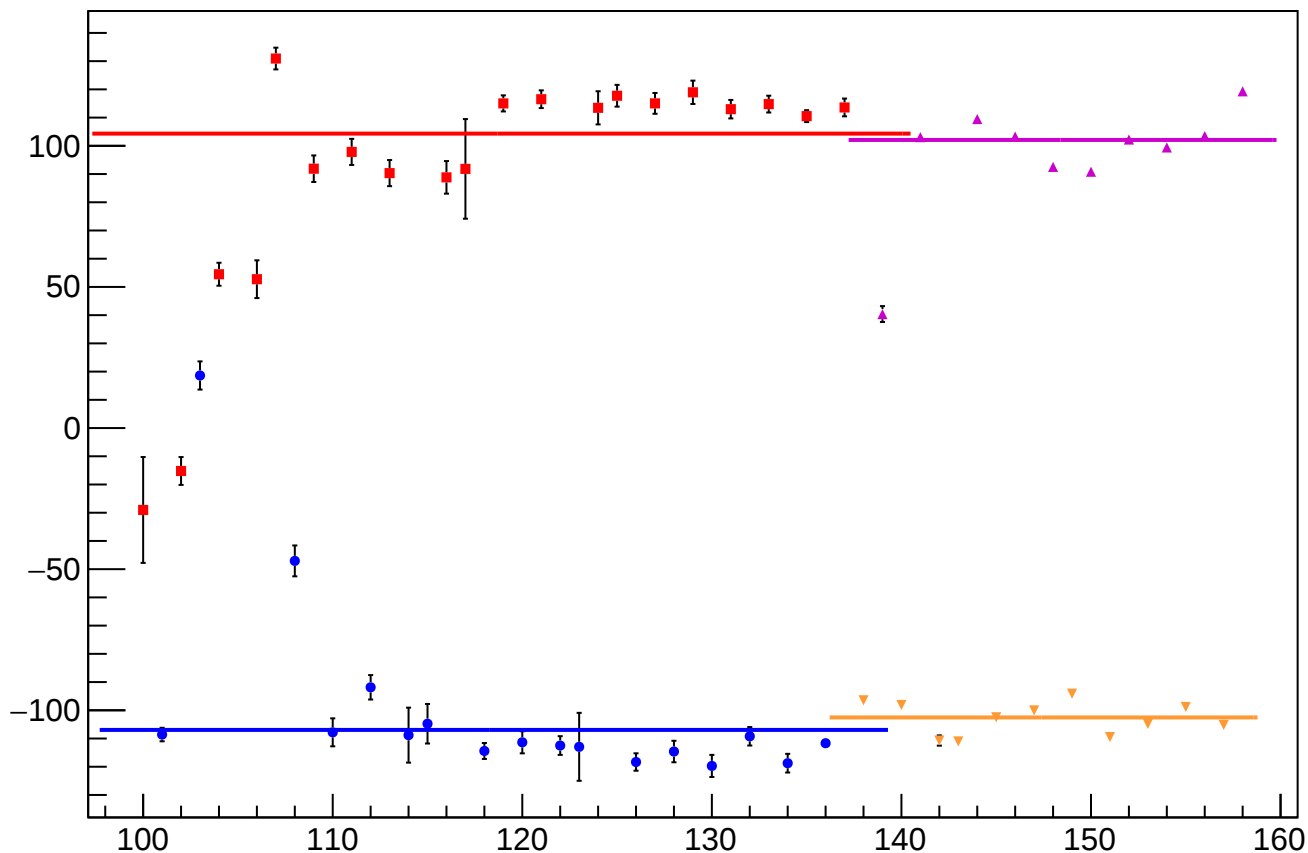
Left In: 100.391 ± 0.543 χ^2/NDF : 245.5/9

-92.417 ± 0.503 χ^2/NDF : 862.3/27

0.953 ± 0.356 χ^2/NDF : 71237.5/57

95.143 ± 0.505 χ^2/NDF : 1108.2/29

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -106.954 ± 0.817 χ^2/NDF : 827.2/16

Left Out: -102.533 ± 0.461 χ^2/NDF : 141.4/10

Right Out: 104.326 ± 0.860 χ^2/NDF : 1021.5/19

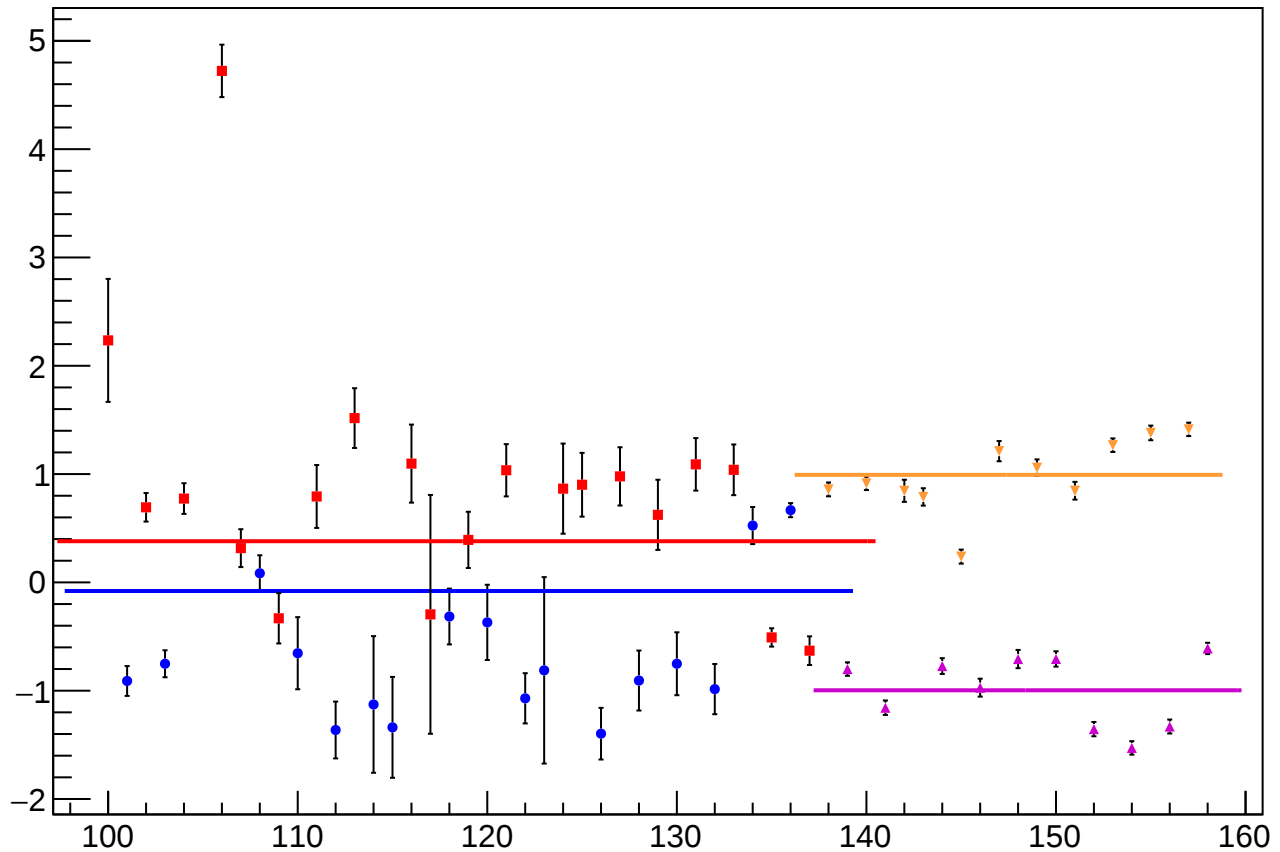
Left In: 102.081 ± 0.459 χ^2/NDF : 851.2/9

-103.599 ± 0.401 χ^2/NDF : 990.9/27

-1.398 ± 0.285 χ^2/NDF : 133714.7/57

102.578 ± 0.405 χ^2/NDF : 1878.0/29

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.079 ± 0.042 χ^2/NDF : 328.5/16

Left Out: 0.993 ± 0.022 χ^2/NDF : 257.3/10

Right Out: 0.380 ± 0.044 χ^2/NDF : 580.9/19

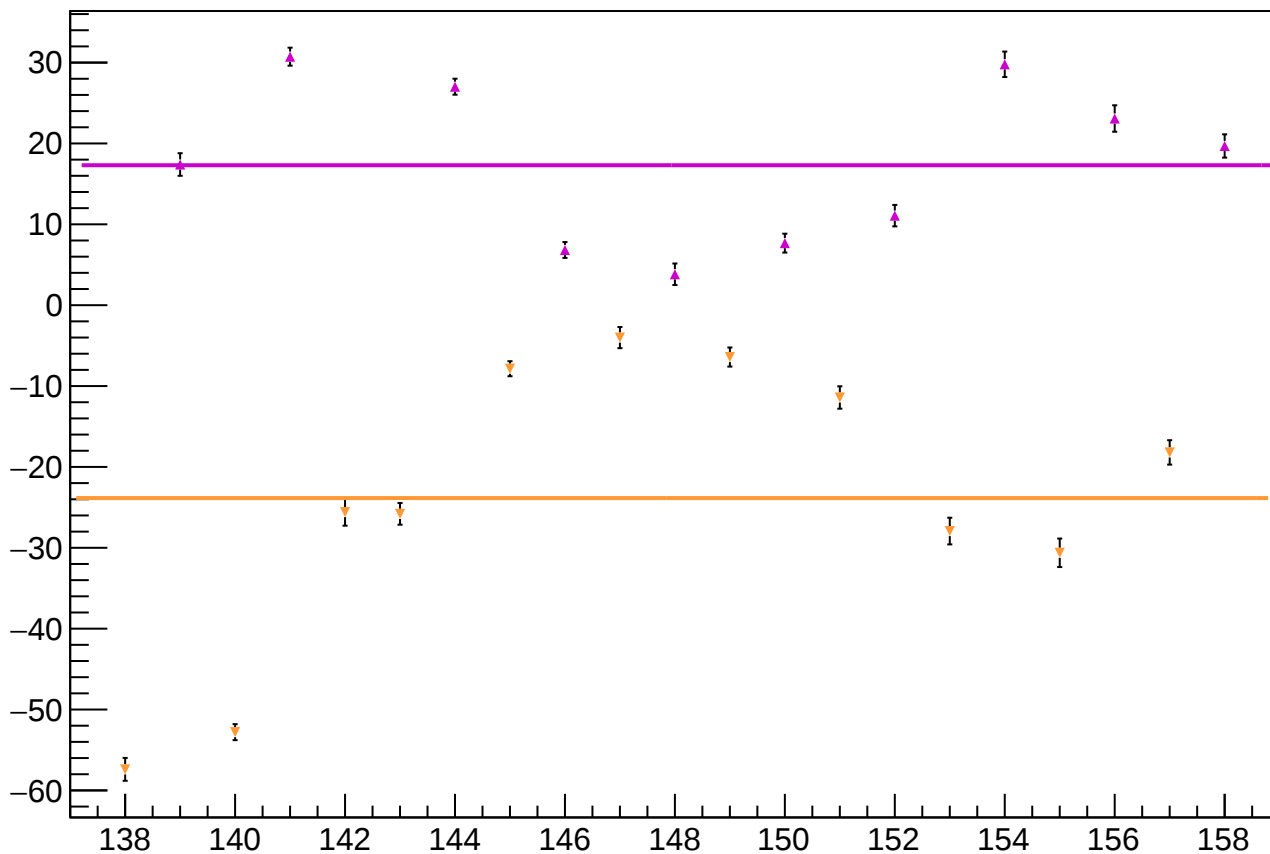
Left In: -0.996 ± 0.021 χ^2/NDF : 238.3/9

0.772 ± 0.019 χ^2/NDF : 1097.0/27

0.010 ± 0.013 χ^2/NDF : 5849.3/57

-0.739 ± 0.019 χ^2/NDF : 1616.1/29

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -23.850+/-0.391 χ^2/NDF : 2281.3/10

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

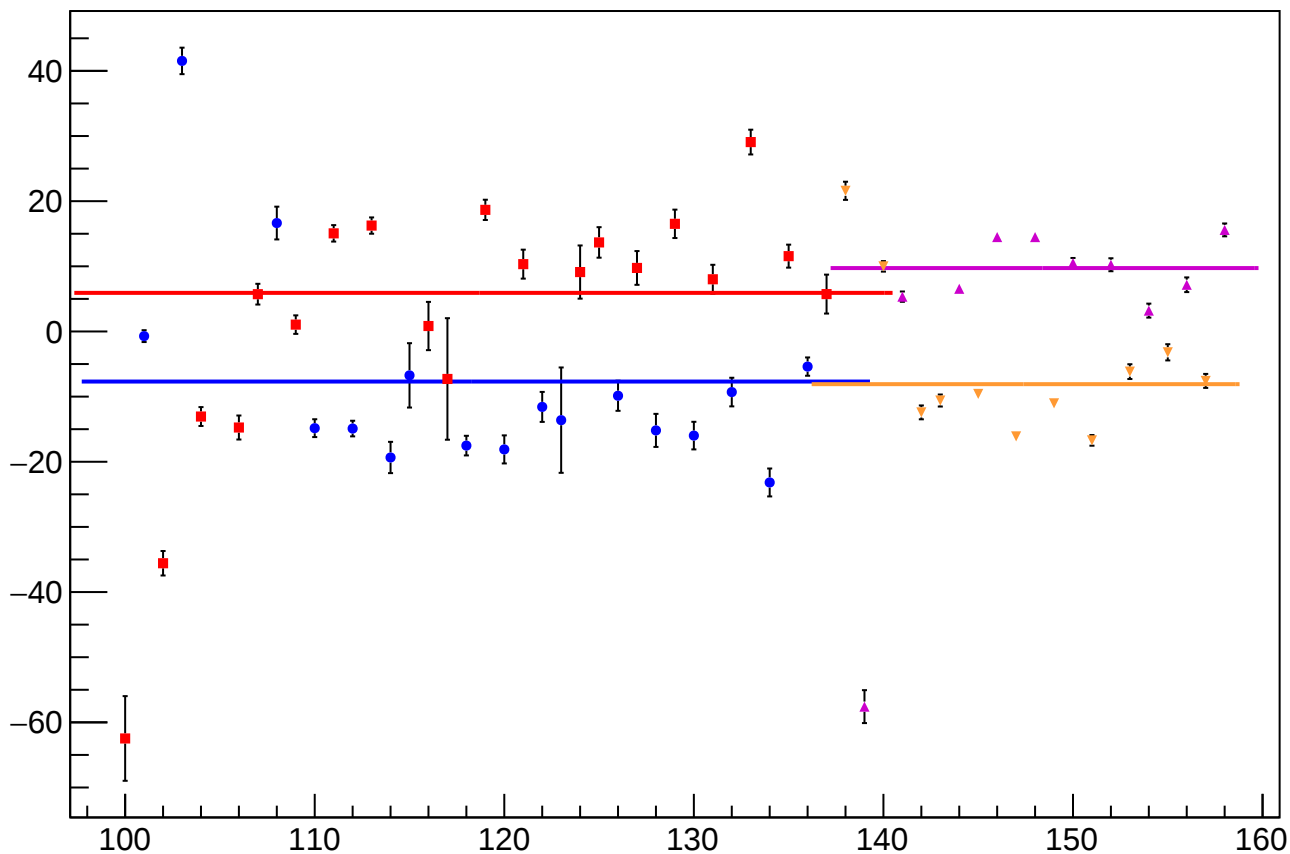
Left In: 17.307+/-0.392 χ^2/NDF : 627.4/9

-23.850+/-0.391 χ^2/NDF : 2281.3/10

-3.314+/-0.277 χ^2/NDF : 8436.0/20

17.307+/-0.392 χ^2/NDF : 627.4/9

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.686 ± 0.430 χ^2/NDF : 975.9/16

Left Out: -8.089 ± 0.268 χ^2/NDF : 1292.5/10

Right Out: 5.925 ± 0.428 χ^2/NDF : 1300.1/19

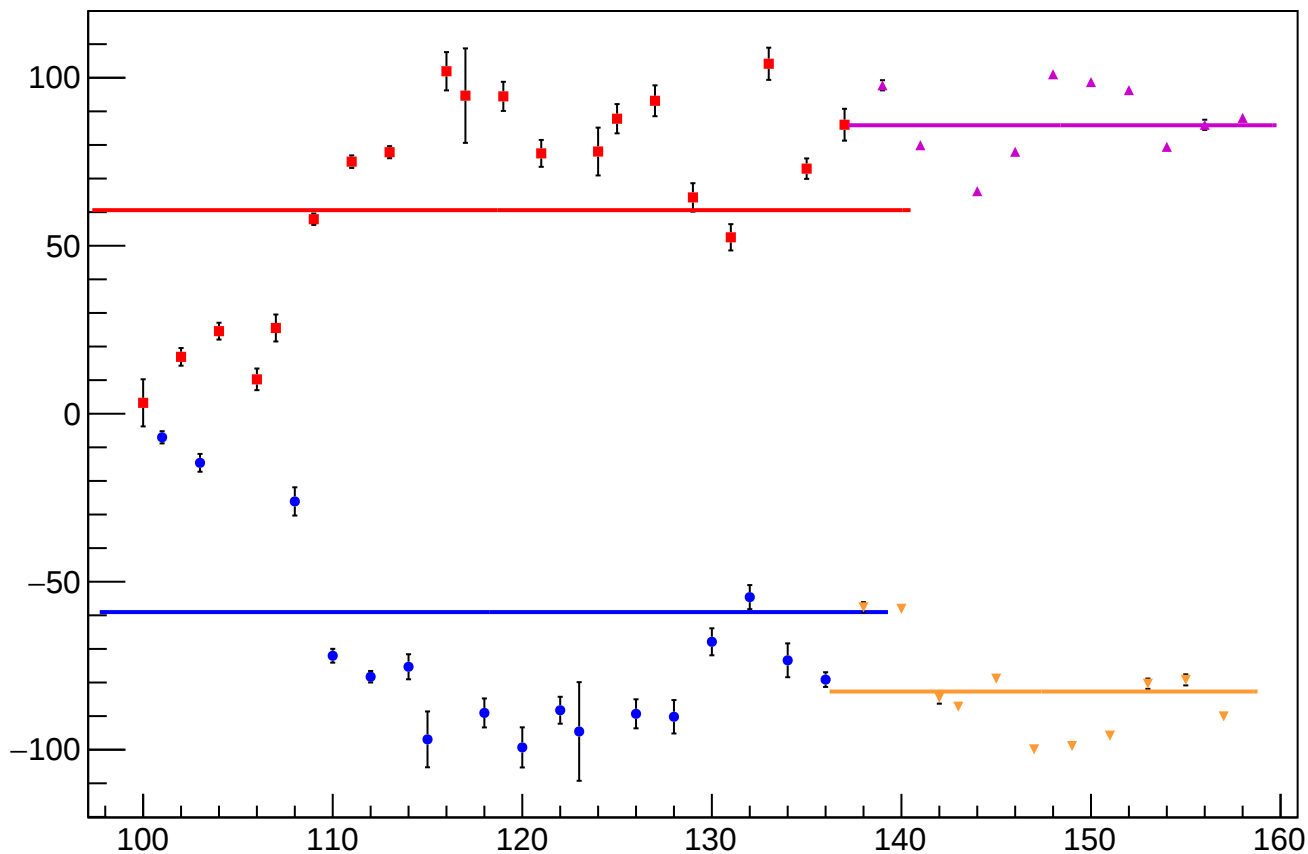
Left In: 9.732 ± 0.267 χ^2/NDF : 952.8/9

-7.976 ± 0.227 χ^2/NDF : 2269.0/27

0.384 ± 0.160 χ^2/NDF : 7270.1/57

8.669 ± 0.226 χ^2/NDF : 2309.8/29

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.039 ± 0.746 χ^2/NDF : 1709.5/16

Left Out: -82.683 ± 0.391 χ^2/NDF : 1387.2/10

Right Out: 60.593 ± 0.704 χ^2/NDF : 1390.7/19

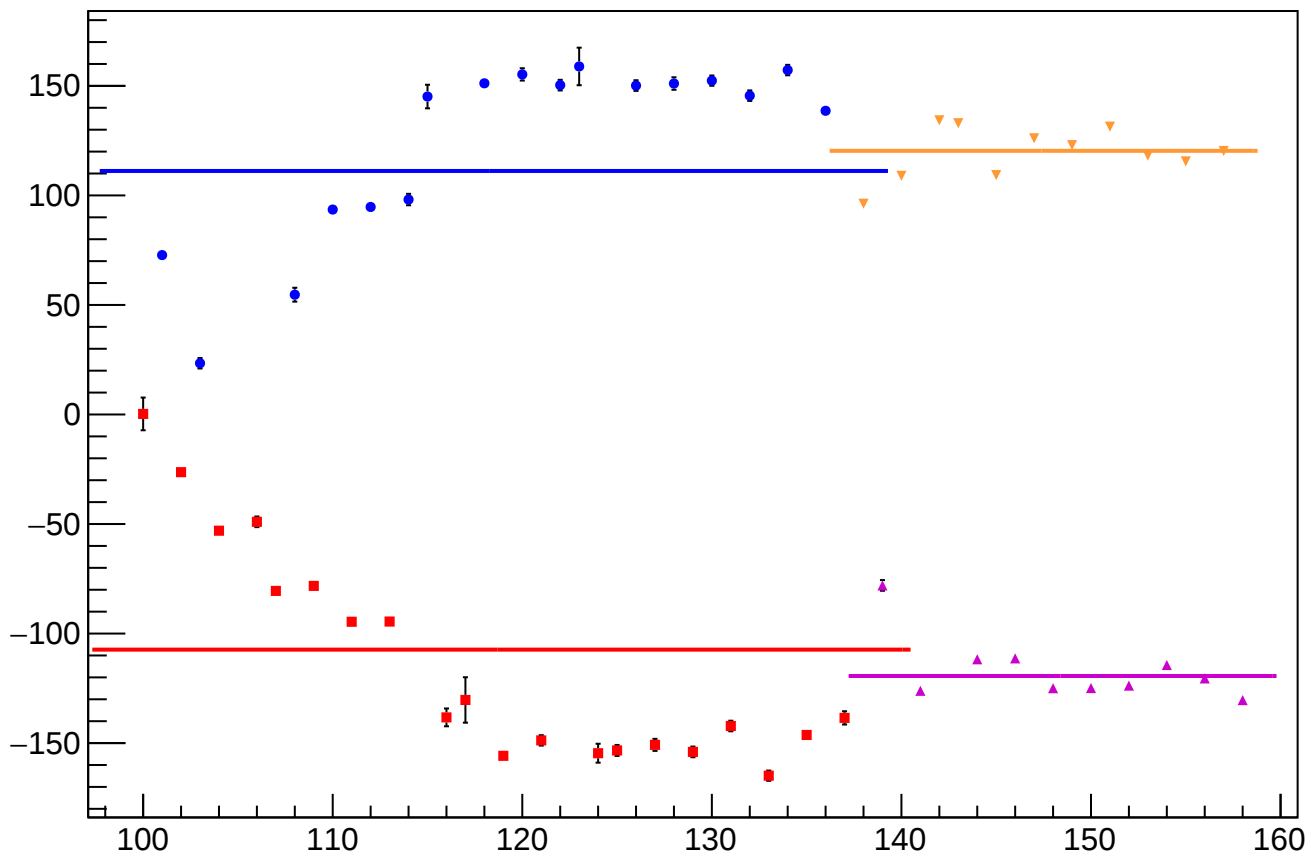
Left In: 85.857 ± 0.385 χ^2/NDF : 877.0/9

-77.580 ± 0.346 χ^2/NDF : 3885.1/27

3.229 ± 0.242 χ^2/NDF : 113265.0/57

80.034 ± 0.338 χ^2/NDF : 3260.0/29

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.160 $\pm$ 0.489 χ^2 /NDF: 5877.6/16

Left Out: 120.358 $\pm$ 0.327 χ^2 /NDF: 946.8/10

Right Out: -107.334 $\pm$ 0.487 χ^2 /NDF: 7060.0/19

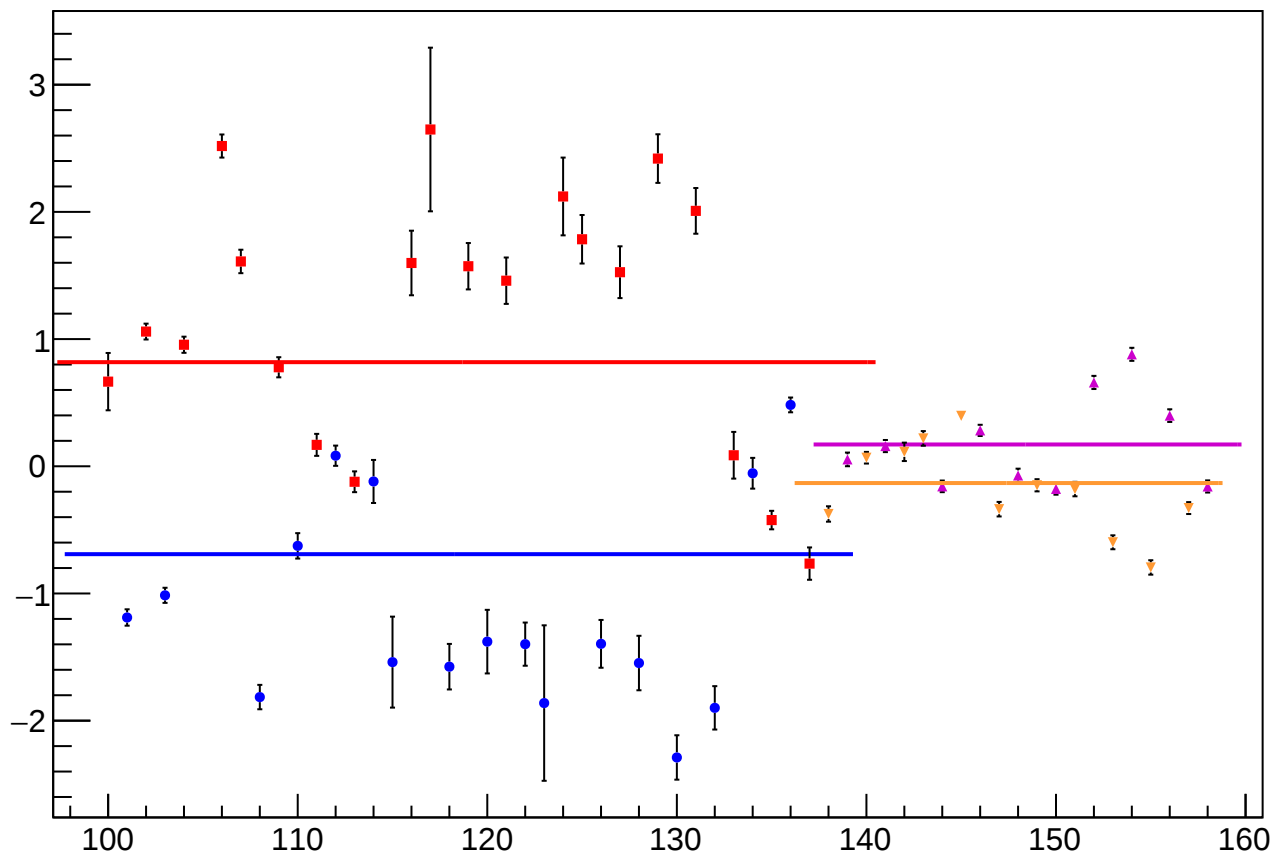
Left In: -119.372 $\pm$ 0.321 χ^2 /NDF: 748.0/9

117.521 $\pm$ 0.272 χ^2 /NDF: 7069.1/27

-0.643 $\pm$ 0.191 χ^2 /NDF: 388979.9/57

-115.728 $\pm$ 0.268 χ^2 /NDF: 8233.8/29

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.691+/-0.026 χ^2/NDF : 990.9/16

Left Out: -0.132+/-0.016 χ^2/NDF : 511.4/10

Right Out: 0.819+/-0.024 χ^2/NDF : 1312.5/19

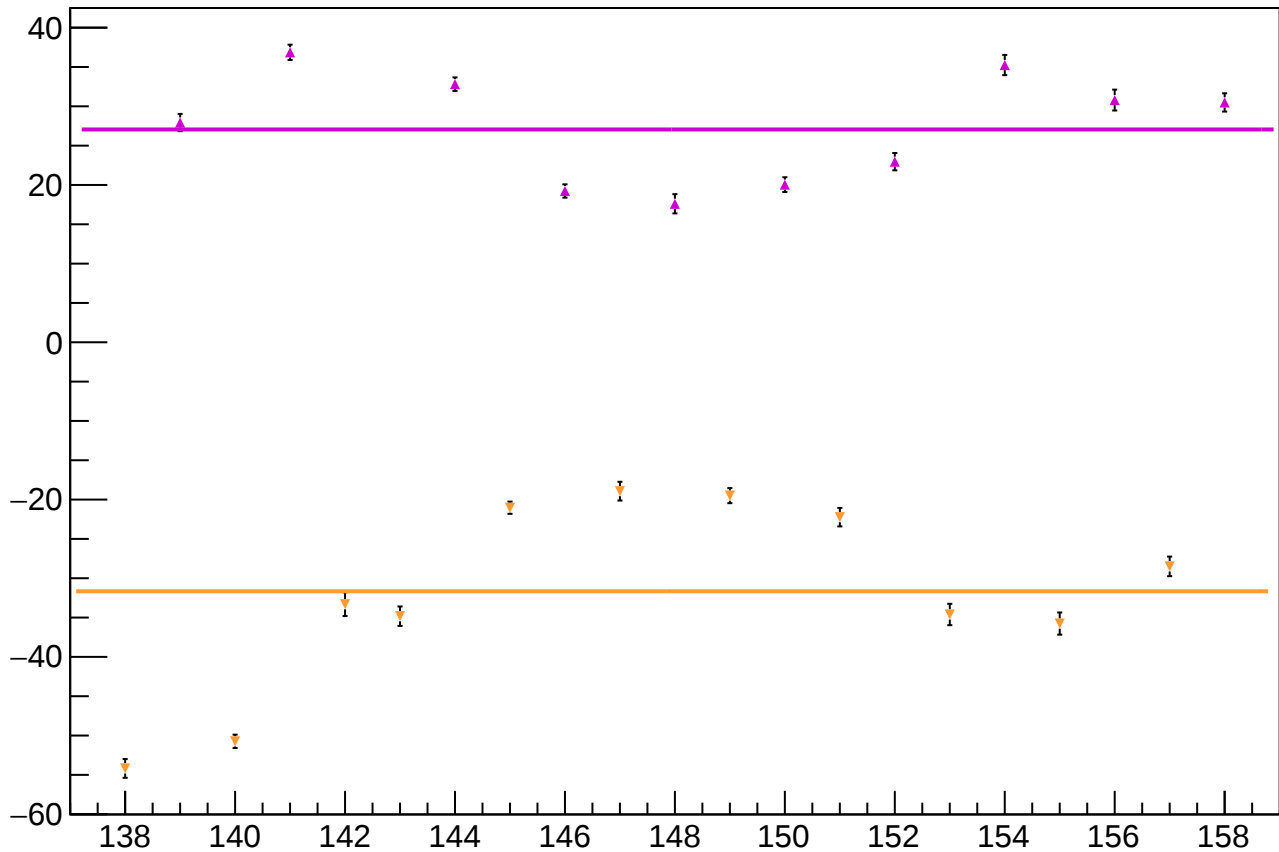
Left In: 0.171+/-0.015 χ^2/NDF : 490.7/9

-0.283+/-0.013 χ^2/NDF : 1844.9/27

0.046+/-0.009 χ^2/NDF : 5321.5/57

0.357+/-0.013 χ^2/NDF : 2307.4/29

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -31.658 $\pm$ 0.332 χ^2 /NDF:1413.8/10

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

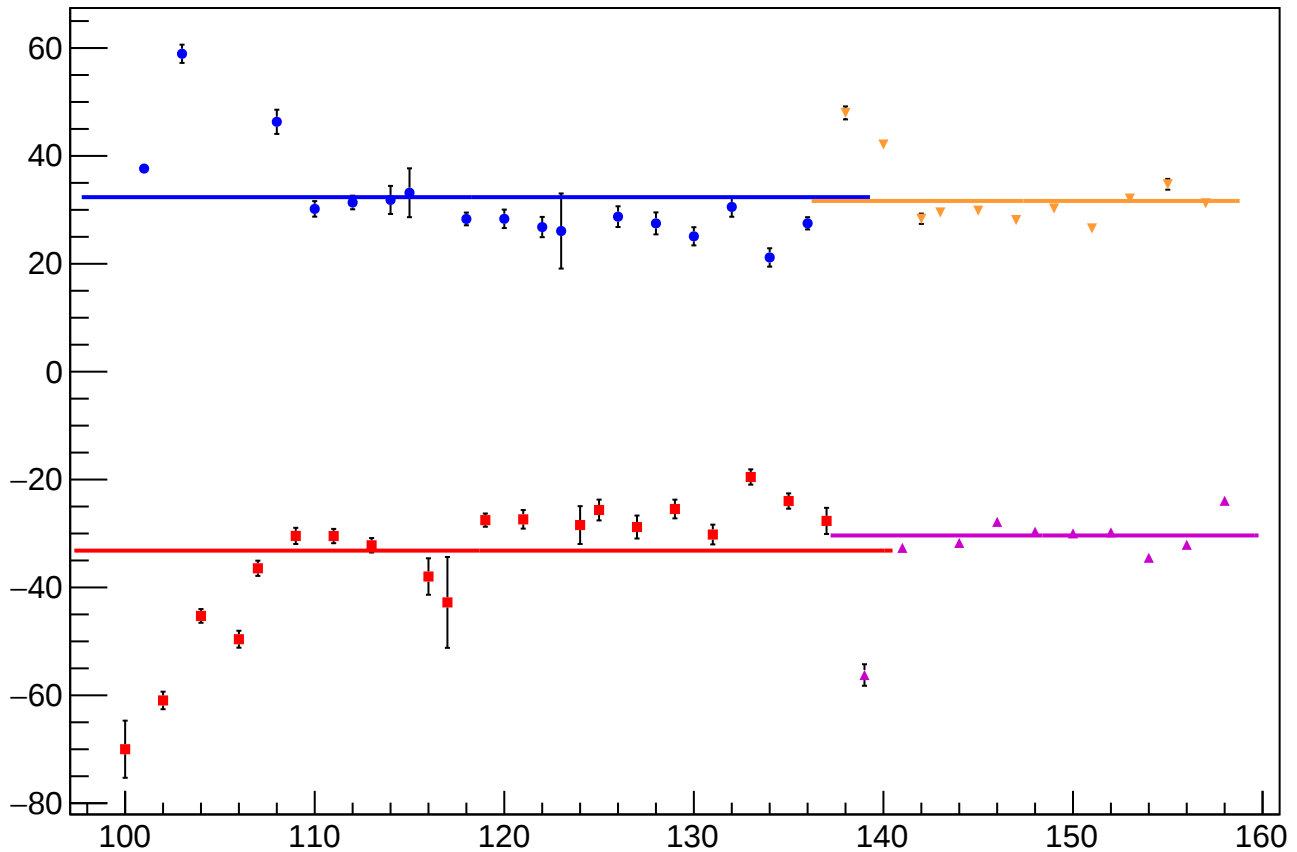
Left In: 27.057 $\pm$ 0.330 χ^2 /NDF:419.3/9

-31.658 $\pm$ 0.332 χ^2 /NDF: 1413.8/10

-2.100 $\pm$ 0.234 χ^2 /NDF: 17534.0/20

27.057 $\pm$ 0.330 χ^2 /NDF: 419.3/9

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 32.355 ± 0.375 χ^2/NDF : 450.5/16

Left Out: 31.654 ± 0.231 χ^2/NDF : 541.0/10

Right Out: -33.172 ± 0.378 χ^2/NDF : 773.3/19

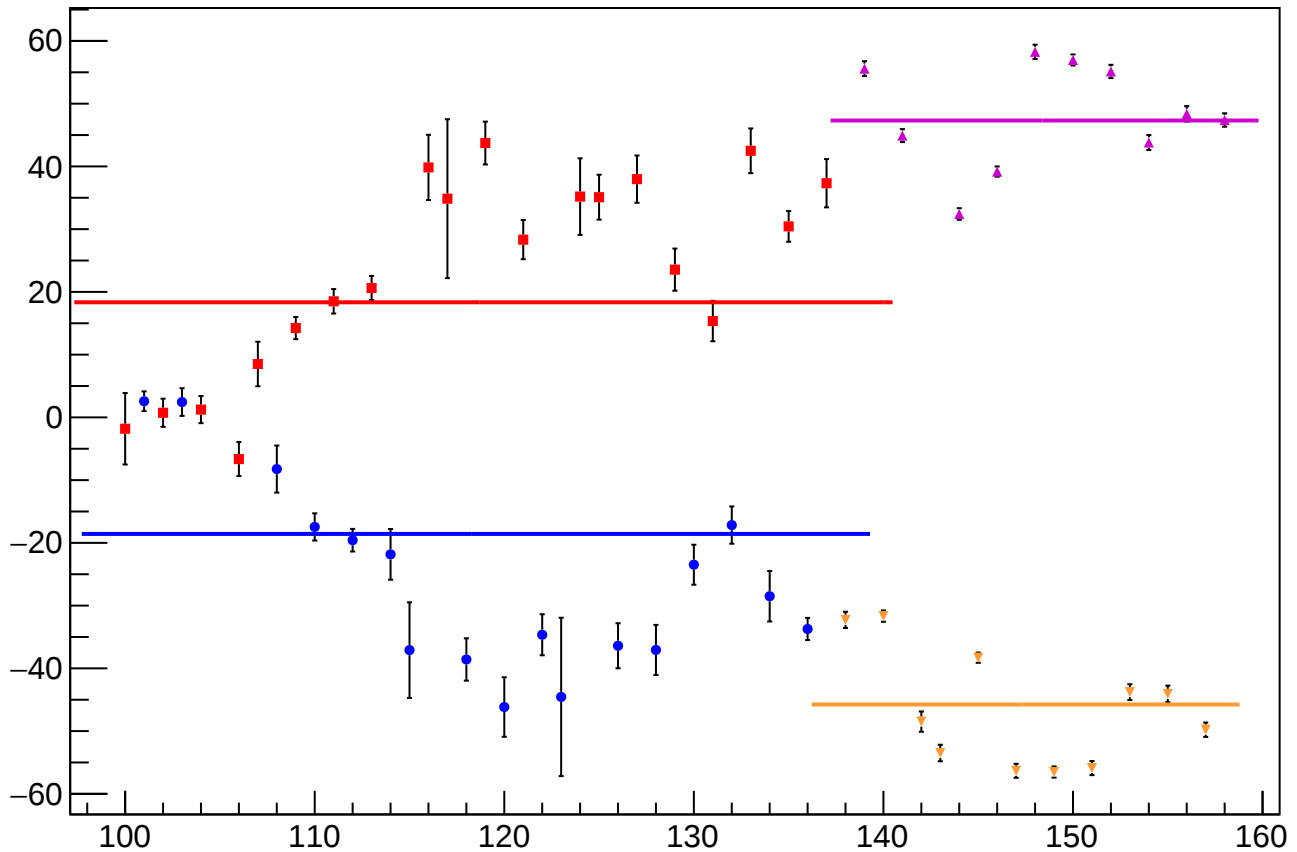
Left In: -30.364 ± 0.229 χ^2/NDF : 298.6/9

31.846 ± 0.197 χ^2/NDF : 994.0/27

0.264 ± 0.139 χ^2/NDF : 53528.8/57

-31.117 ± 0.196 χ^2/NDF : 1112.1/29

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -18.572 ± 0.667 χ^2/NDF : 511.5/16

Left Out: -45.760 ± 0.332 χ^2/NDF : 803.7/10

Right Out: 18.343 ± 0.643 χ^2/NDF : 475.1/19

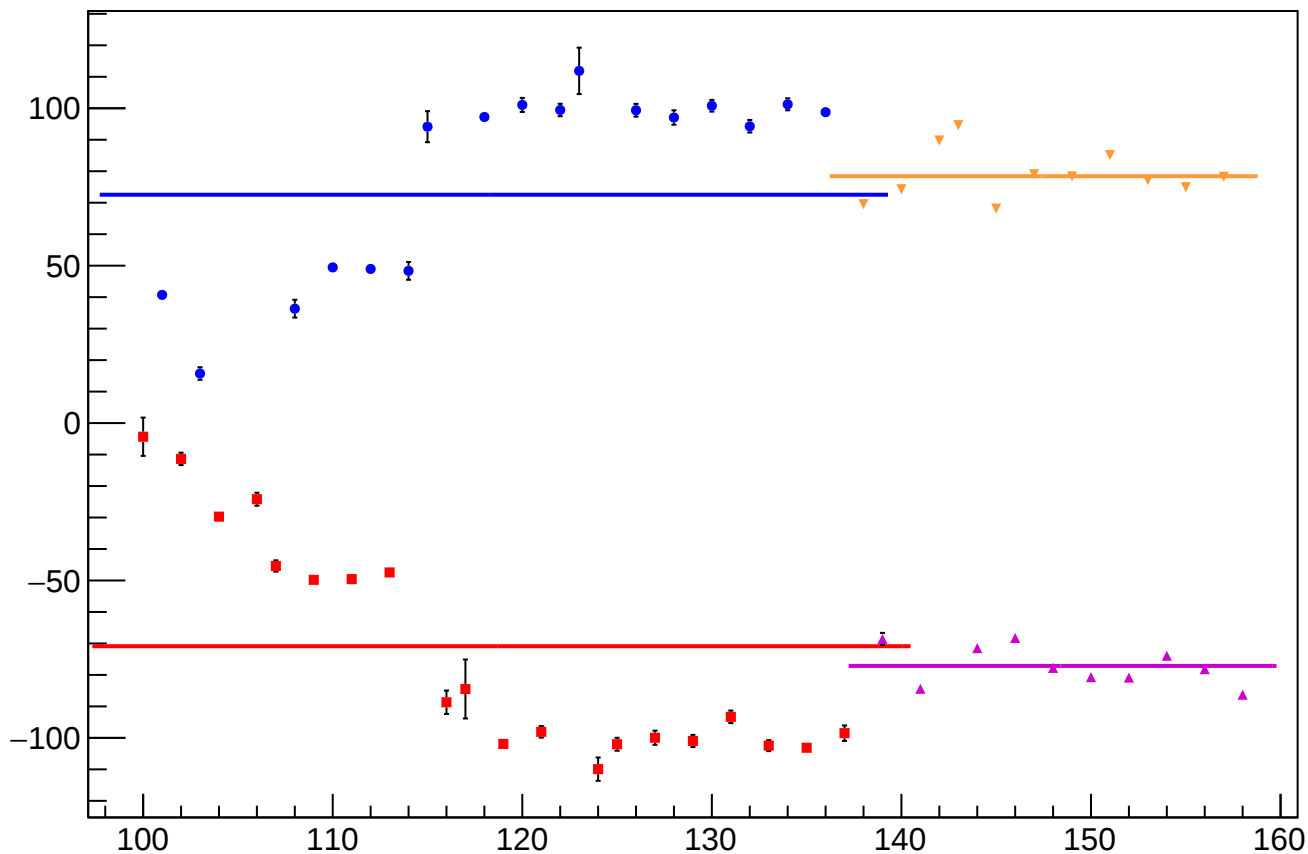
Left In: 47.317 ± 0.324 χ^2/NDF : 690.8/9

-40.372 ± 0.297 χ^2/NDF : 2645.5/27

1.610 ± 0.207 χ^2/NDF : 44331.1/57

41.445 ± 0.289 χ^2/NDF : 2784.8/29

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.537 $\pm$ 0.428 χ^2 /NDF: 4684.1/16

Left Out: 78.416 $\pm$ 0.280 χ^2 /NDF: 674.8/10

Right Out: -70.878 $\pm$ 0.433 χ^2 /NDF: 5502.3/19

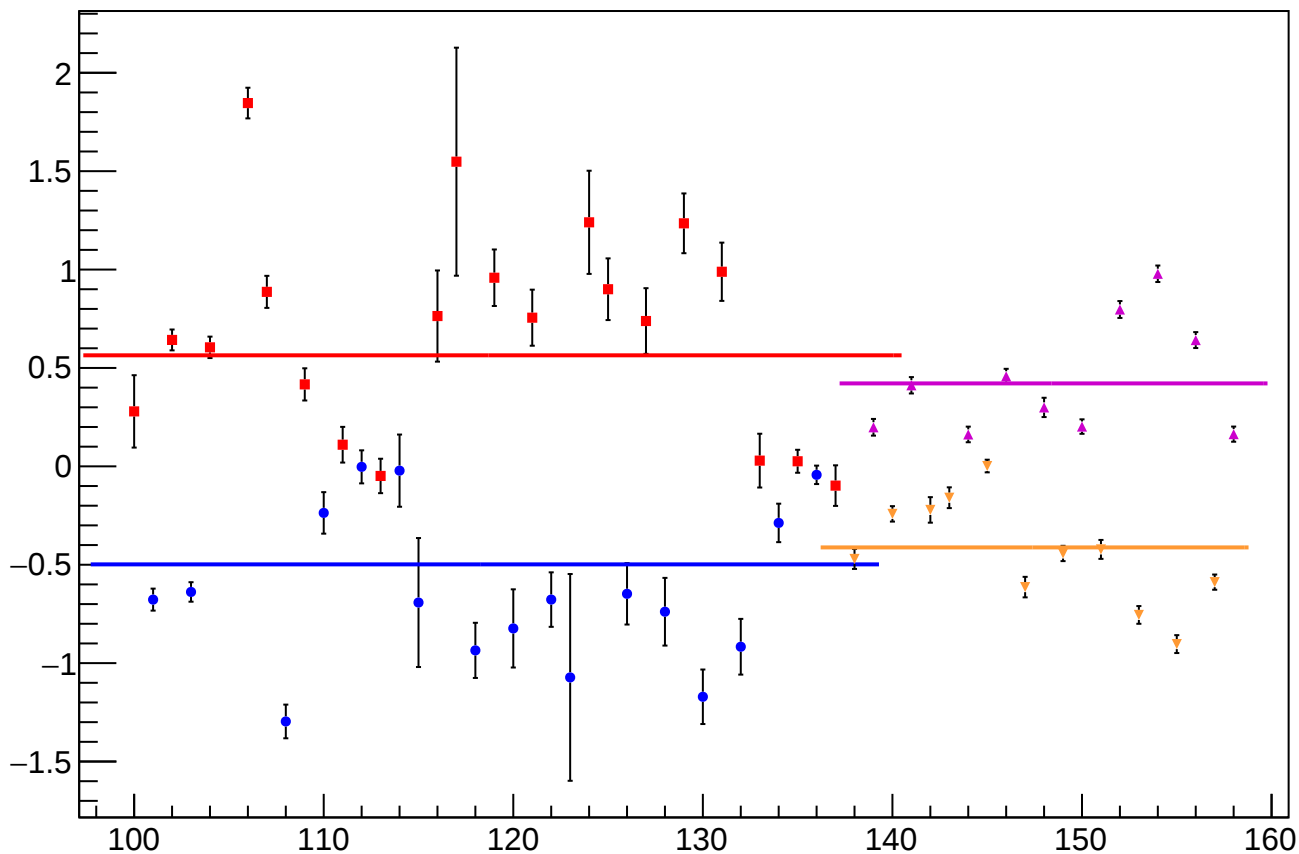
Left In: -77.144 $\pm$ 0.273 χ^2 /NDF: 495.5/9

76.659 $\pm$ 0.234 χ^2 /NDF: 5491.0/27

-0.393 $\pm$ 0.164 χ^2 /NDF: 225215.3/57

-75.359 $\pm$ 0.231 χ^2 /NDF: 6147.7/29

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.498 ± 0.022 χ^2/NDF : 302.8/16

Left Out: -0.412 ± 0.013 χ^2/NDF : 428.2/10

Right Out: 0.564 ± 0.021 χ^2/NDF : 563.6/19

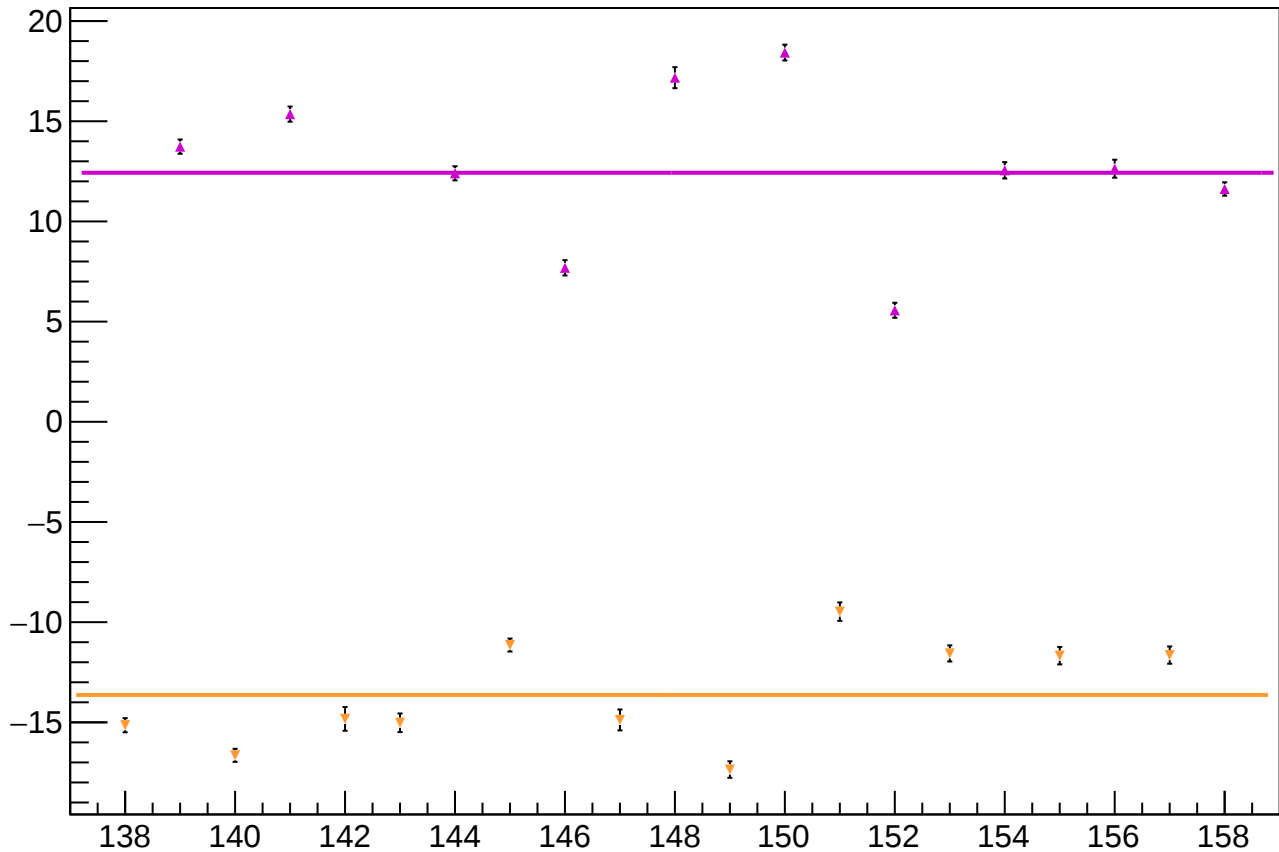
Left In: 0.421 ± 0.013 χ^2/NDF : 441.0/9

-0.434 ± 0.011 χ^2/NDF : 742.0/27

0.026 ± 0.008 χ^2/NDF : 4952.0/57

0.459 ± 0.011 χ^2/NDF : 1037.2/29

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -13.631+/-0.124 χ^2/NDF : 412.8/10

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

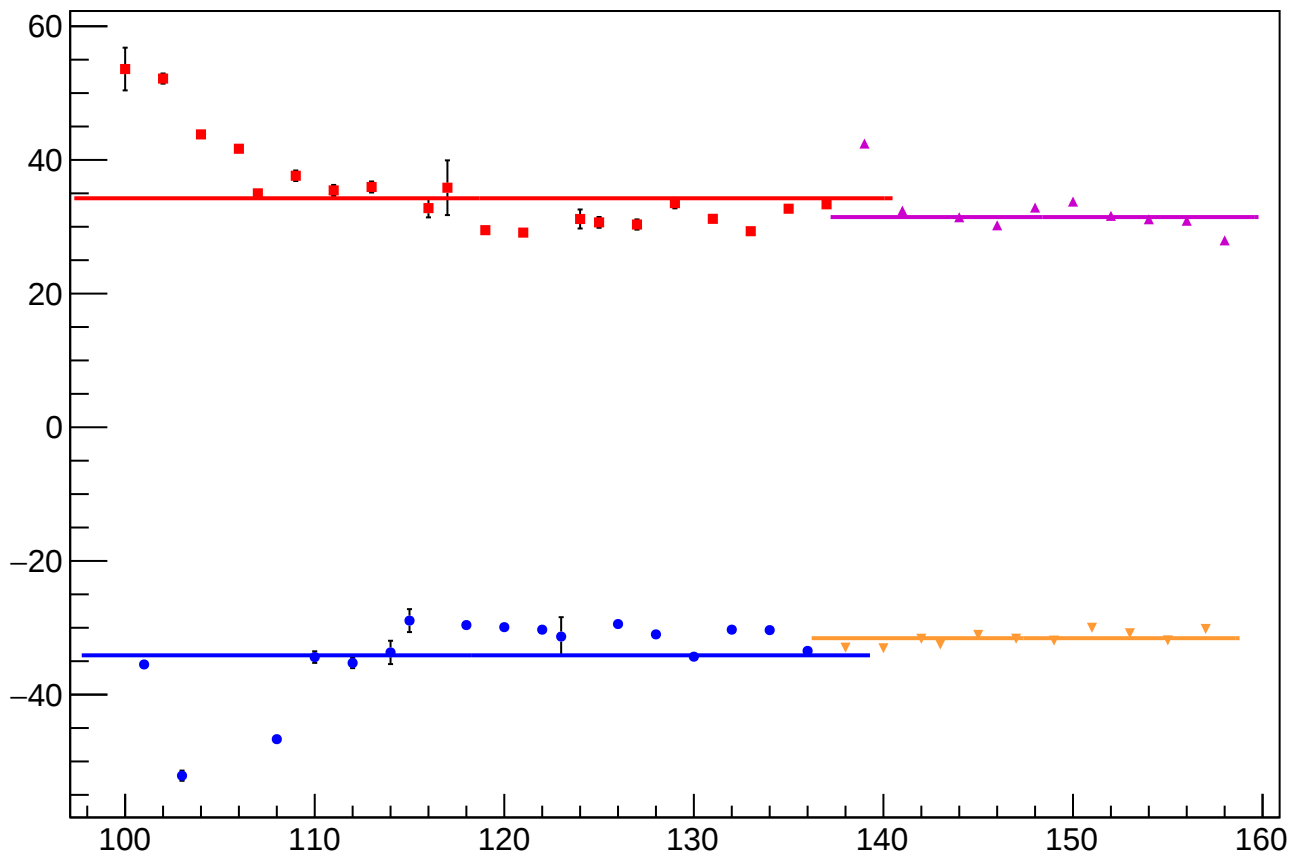
Left In: 12.428+/-0.122 χ^2/NDF : 880.2/9

-13.631+/-0.124 χ^2/NDF : 412.8/10

-0.470+/-0.087 χ^2/NDF : 23760.4/20

12.428+/-0.122 χ^2/NDF : 880.2/9

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.122 ± 0.152 $\chi^2/\text{NDF}: 1322.4/16$

Left Out: -31.557 ± 0.088 $\chi^2/\text{NDF}: 121.8/10$

Right Out: 34.262 ± 0.151 $\chi^2/\text{NDF}: 1355.1/19$

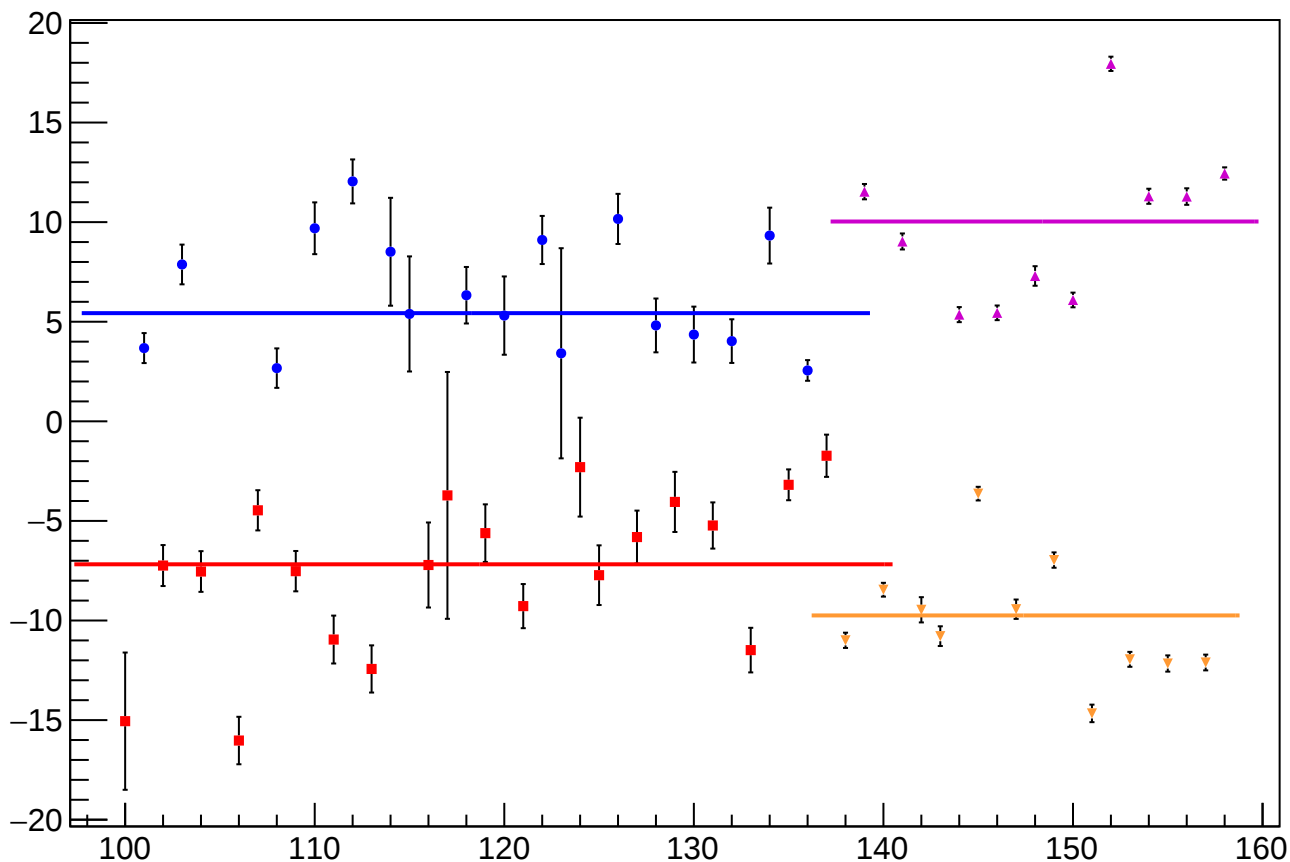
Left In: 31.450 ± 0.087 $\chi^2/\text{NDF}: 672.8/9$

-32.200 ± 0.076 $\chi^2/\text{NDF}: 1658.1/27$

0.234 ± 0.054 $\chi^2/\text{NDF}: 365532.7/57$

32.153 ± 0.075 $\chi^2/\text{NDF}: 2288.9/29$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.431 ± 0.270 χ^2/NDF : 132.0/16

Left Out: -9.745 ± 0.123 χ^2/NDF : 629.5/10

Right Out: -7.178 ± 0.274 χ^2/NDF : 182.4/19

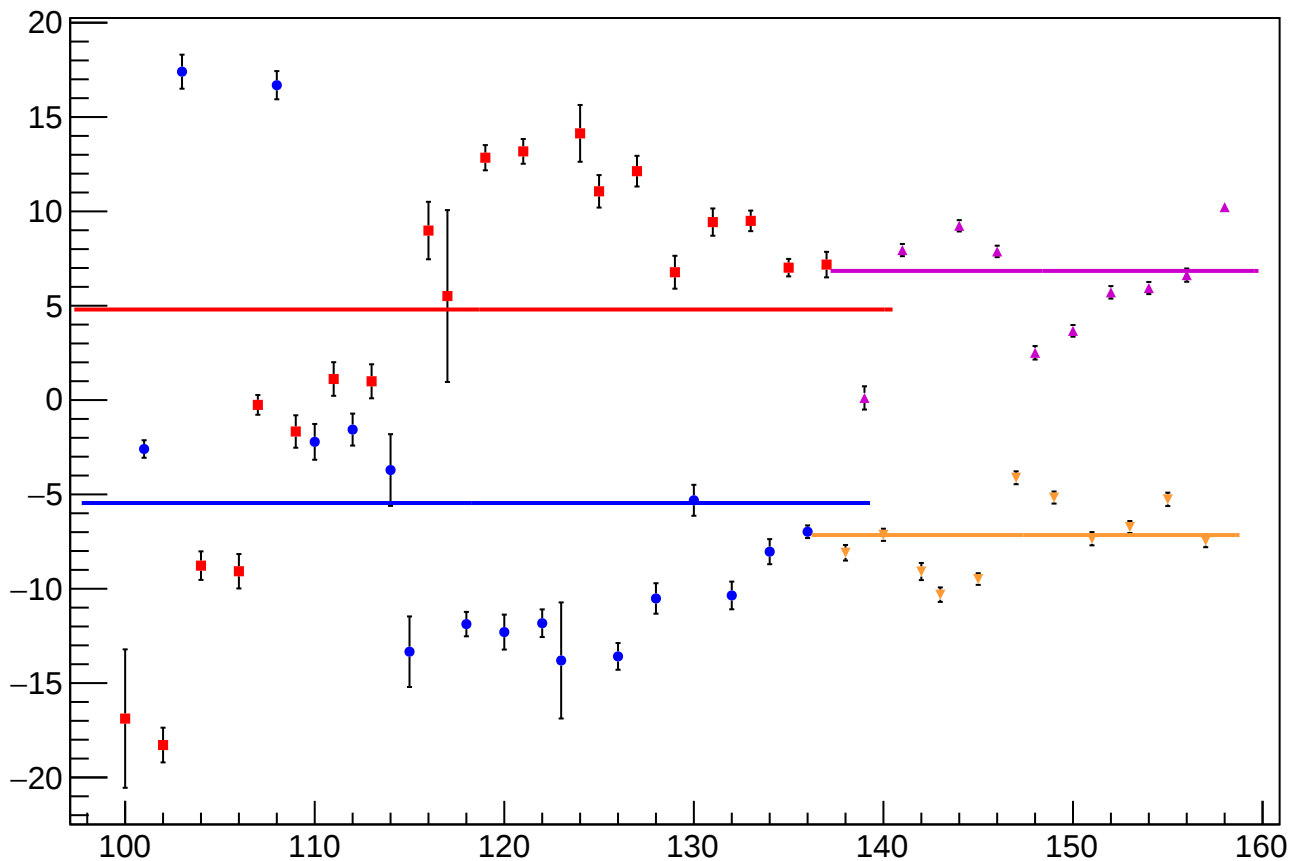
Left In: 10.031 ± 0.120 χ^2/NDF : 1041.5/9

-7.135 ± 0.112 χ^2/NDF : 3369.8/27

0.230 ± 0.078 χ^2/NDF : 16344.2/57

7.277 ± 0.110 χ^2/NDF : 4533.2/29

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.455+/-0.171 χ^2/NDF : 2096.5/16

Left Out: -7.154+/-0.105 χ^2/NDF : 296.6/10

Right Out: 4.799+/-0.173 χ^2/NDF : 2047.5/19

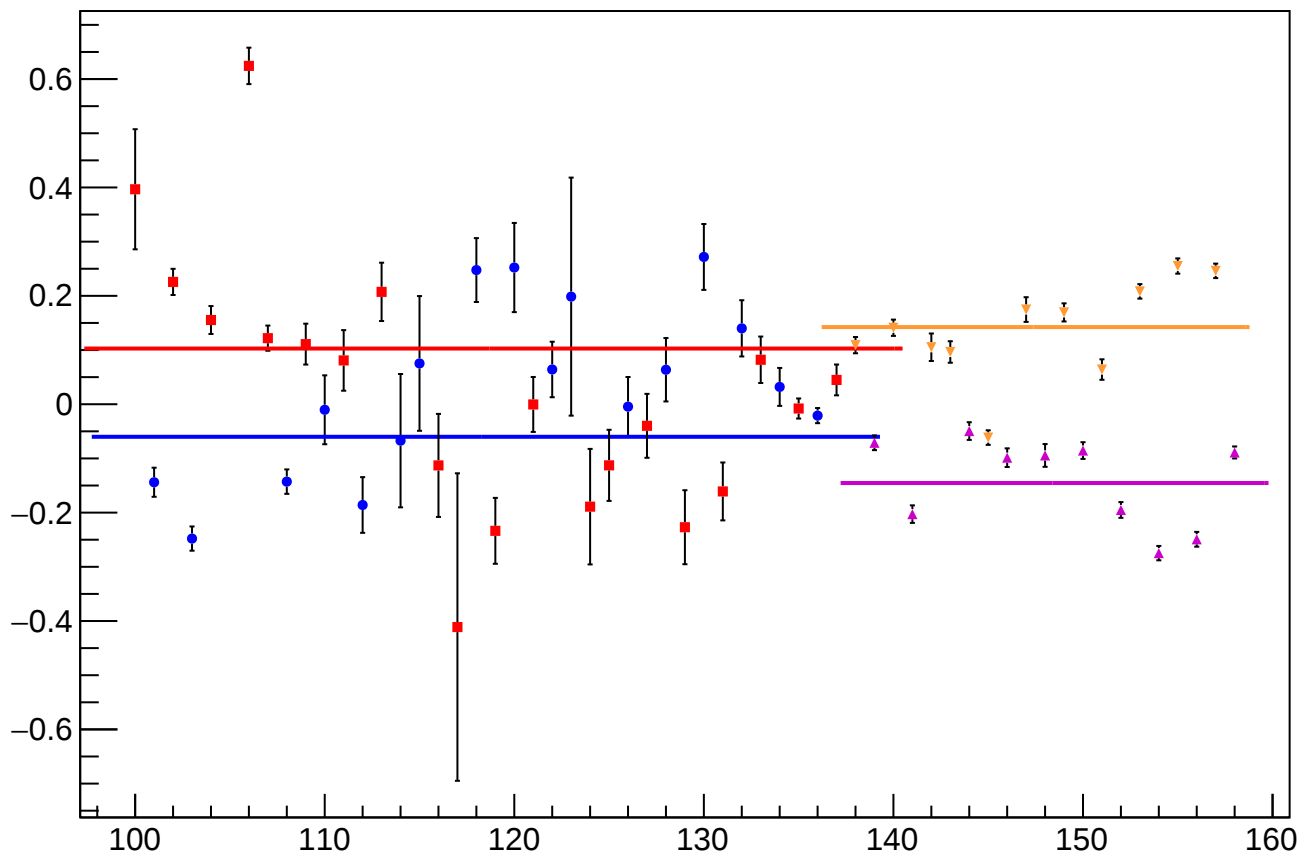
Left In: 6.845+/-0.102 χ^2/NDF : 672.2/9

-6.686+/-0.090 χ^2/NDF : 2464.8/27

-0.052+/-0.063 χ^2/NDF : 16022.4/57

6.316+/-0.088 χ^2/NDF : 2823.6/29

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.060 ± 0.008 χ^2/NDF : 215.5/16

Left Out: 0.142 ± 0.005 χ^2/NDF : 412.7/10

Right Out: 0.103 ± 0.008 χ^2/NDF : 437.6/19

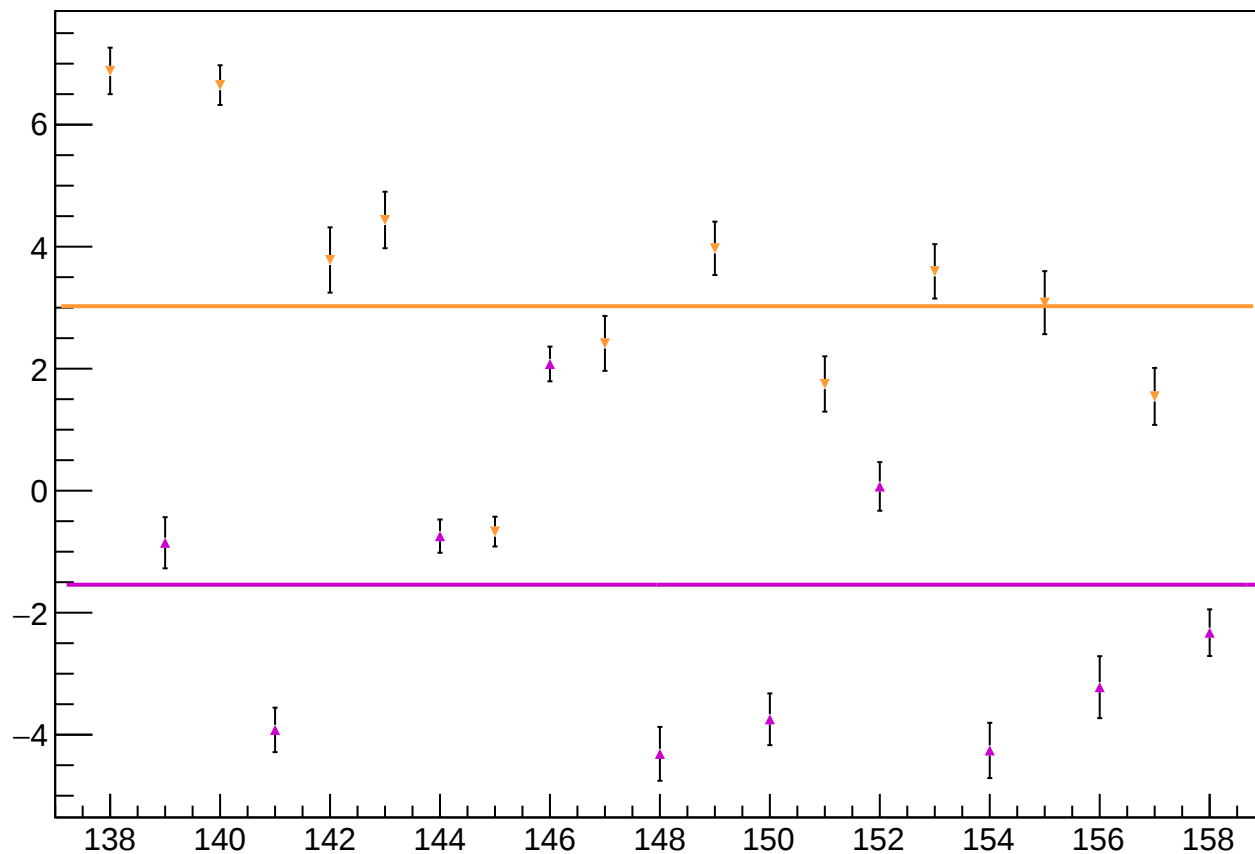
Left In: -0.145 ± 0.005 χ^2/NDF : 295.5/9

0.092 ± 0.004 χ^2/NDF : 1064.7/27

-0.001 ± 0.003 χ^2/NDF : 3419.6/57

-0.088 ± 0.004 χ^2/NDF : 1398.3/29

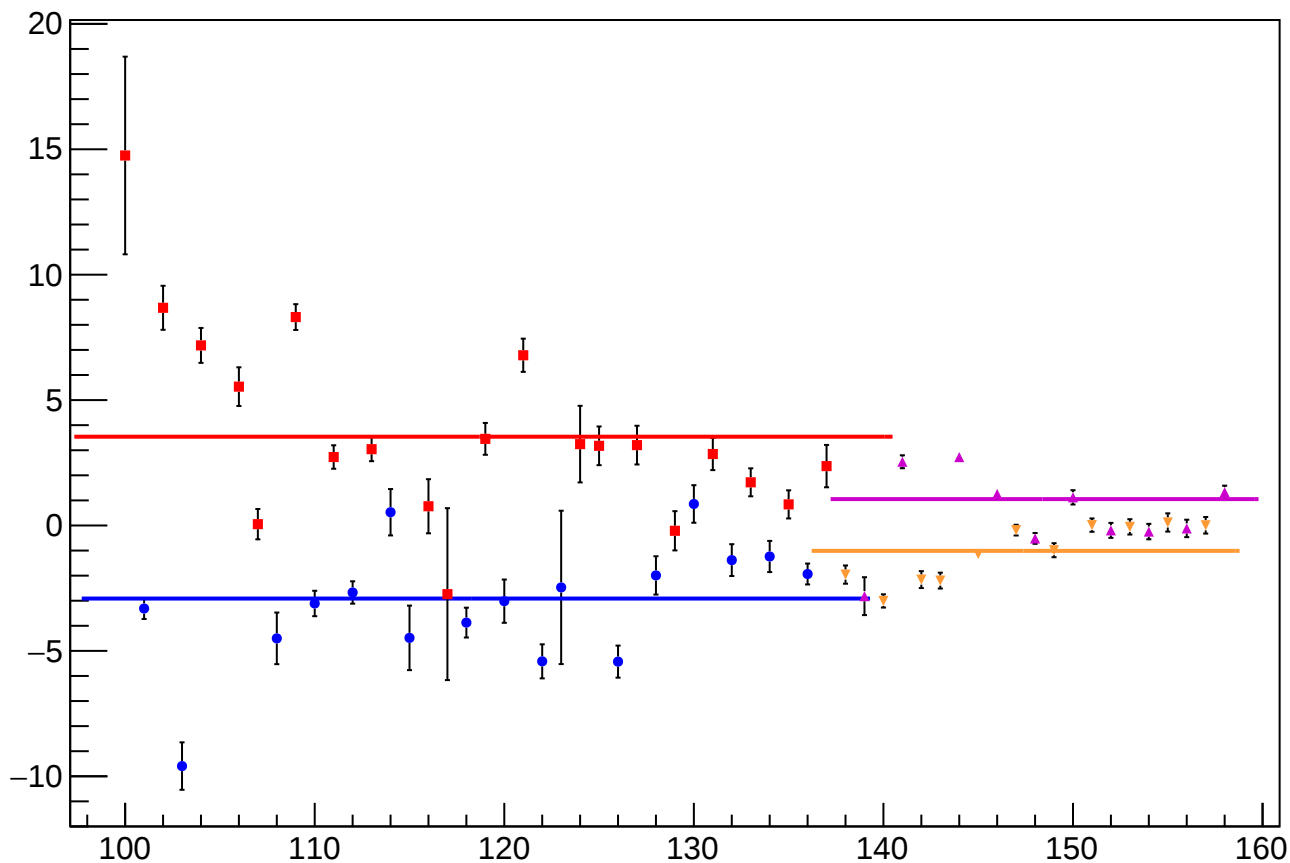
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.024 $\pm$ 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
 0.711 $\pm$ 0.084 χ^2 /NDF: 1579.3/20
 -1.541 $\pm$ 0.118 χ^2 /NDF: 349.4/9

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.914 ± 0.155 χ^2/NDF : 146.1/16

Left Out: -1.012 ± 0.084 χ^2/NDF : 148.8/10

Right Out: 3.540 ± 0.154 χ^2/NDF : 294.2/19

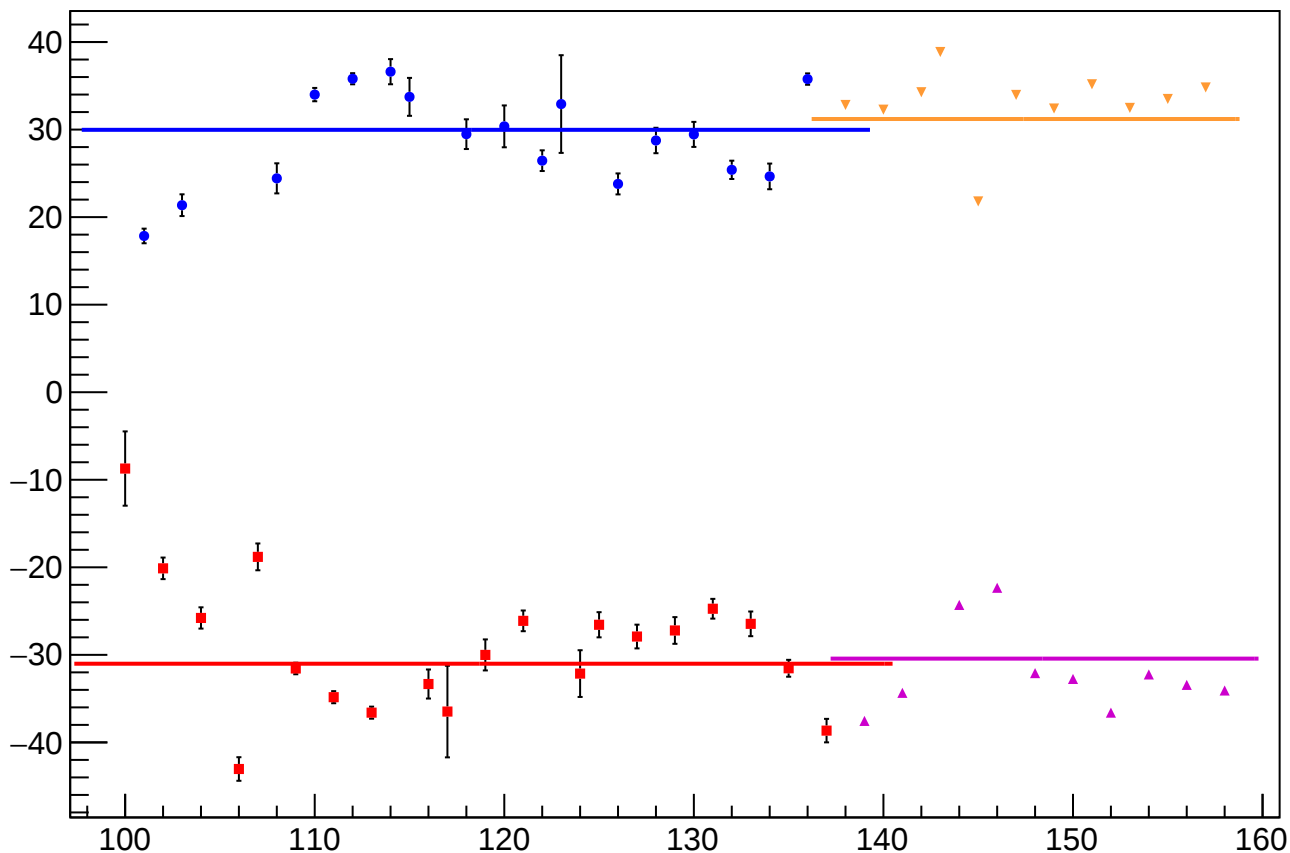
Left In: 1.052 ± 0.080 χ^2/NDF : 235.2/9

-1.442 ± 0.074 χ^2/NDF : 411.7/27

0.117 ± 0.051 χ^2/NDF : 2015.6/57

1.583 ± 0.071 χ^2/NDF : 733.6/29

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.972 ± 0.267 $\chi^2/\text{NDF}: 554.3/16$

Left Out: 31.208 ± 0.121 $\chi^2/\text{NDF}: 1844.5/10$

Right Out: -31.013 ± 0.260 $\chi^2/\text{NDF}: 480.6/19$

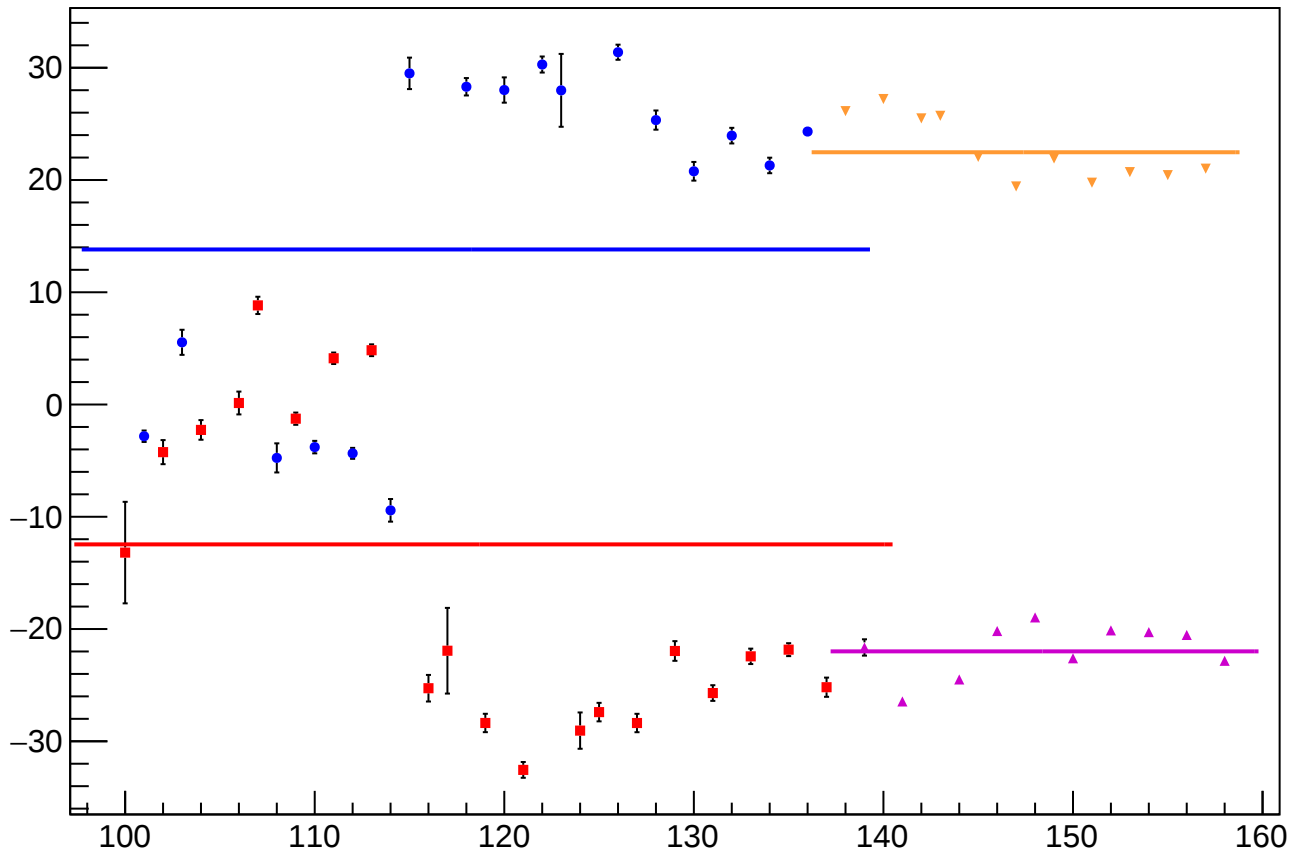
Left In: -30.430 ± 0.116 $\chi^2/\text{NDF}: 2144.5/9$

30.999 ± 0.110 $\chi^2/\text{NDF}: 2416.6/27$

-0.845 ± 0.076 $\chi^2/\text{NDF}: 167055.2/57$

-30.527 ± 0.106 $\chi^2/\text{NDF}: 2629.3/29$

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.813 ± 0.173 $\chi^2/\text{NDF}: 7318.6/16$

Left Out: 22.473 ± 0.101 $\chi^2/\text{NDF}: 662.0/10$

Right Out: -12.460 ± 0.174 $\chi^2/\text{NDF}: 6976.5/19$

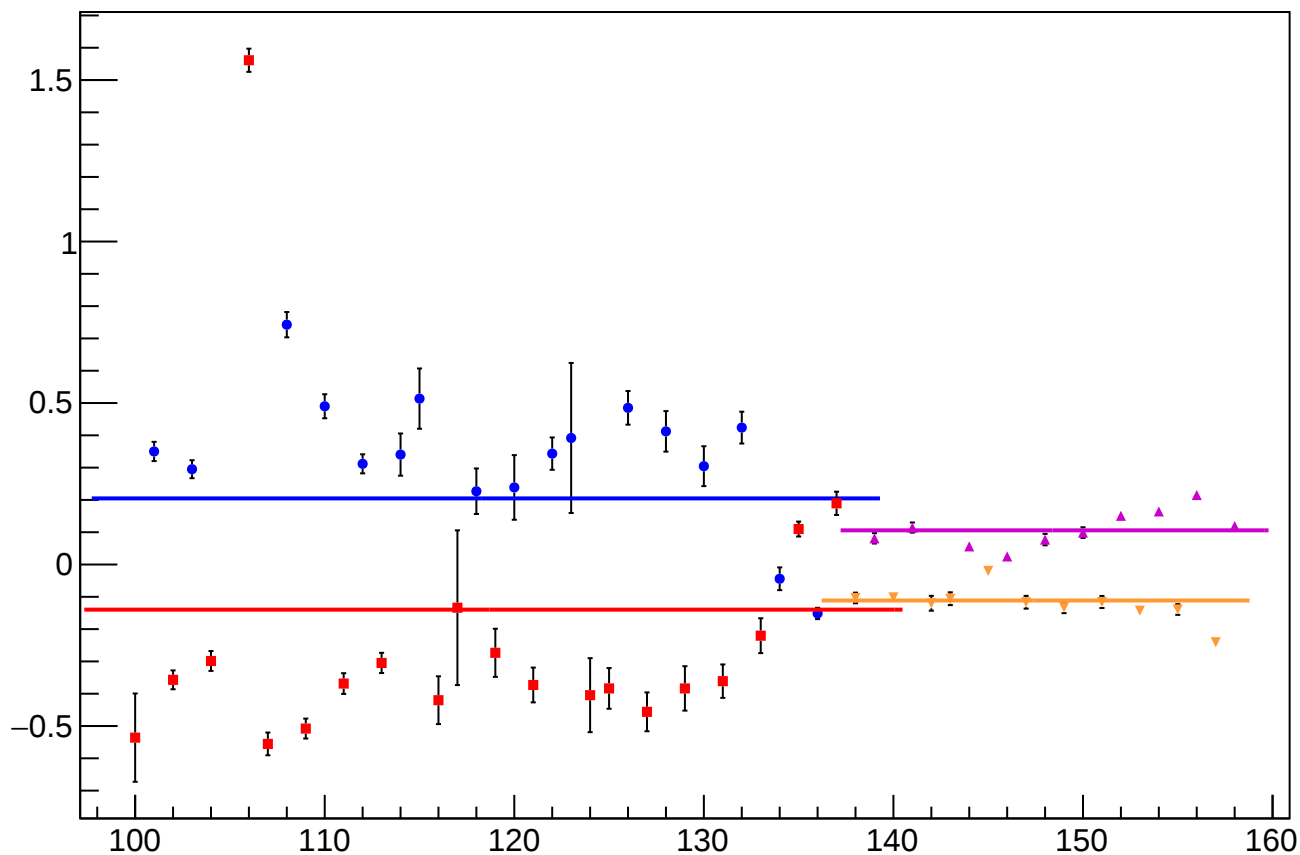
Left In: -21.991 ± 0.097 $\chi^2/\text{NDF}: 568.7/9$

20.254 ± 0.087 $\chi^2/\text{NDF}: 9851.6/27$

-0.433 ± 0.061 $\chi^2/\text{NDF}: 127999.2/57$

-19.735 ± 0.084 $\chi^2/\text{NDF}: 9847.5/29$

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 ± 0.009 χ^2/NDF : 845.8/16

Left Out: -0.111 ± 0.005 χ^2/NDF : 170.4/10

Right Out: -0.140 ± 0.009 χ^2/NDF : 3014.2/19

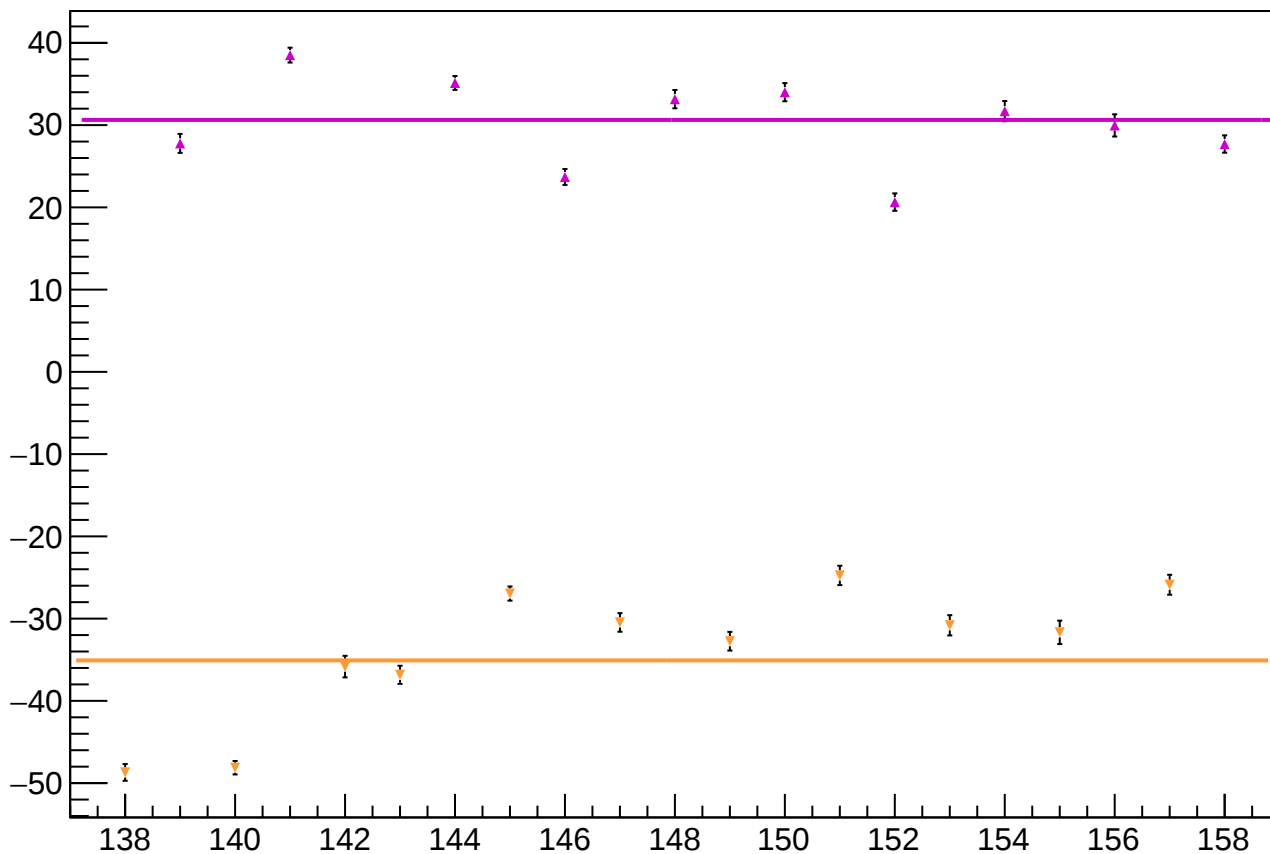
Left In: 0.106 ± 0.005 χ^2/NDF : 136.7/9

-0.046 ± 0.004 χ^2/NDF : 1918.4/27

0.006 ± 0.003 χ^2/NDF : 5932.0/57

0.056 ± 0.004 χ^2/NDF : 3718.2/29

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -35.079+/-0.327 χ^2/NDF : 699.0/10

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

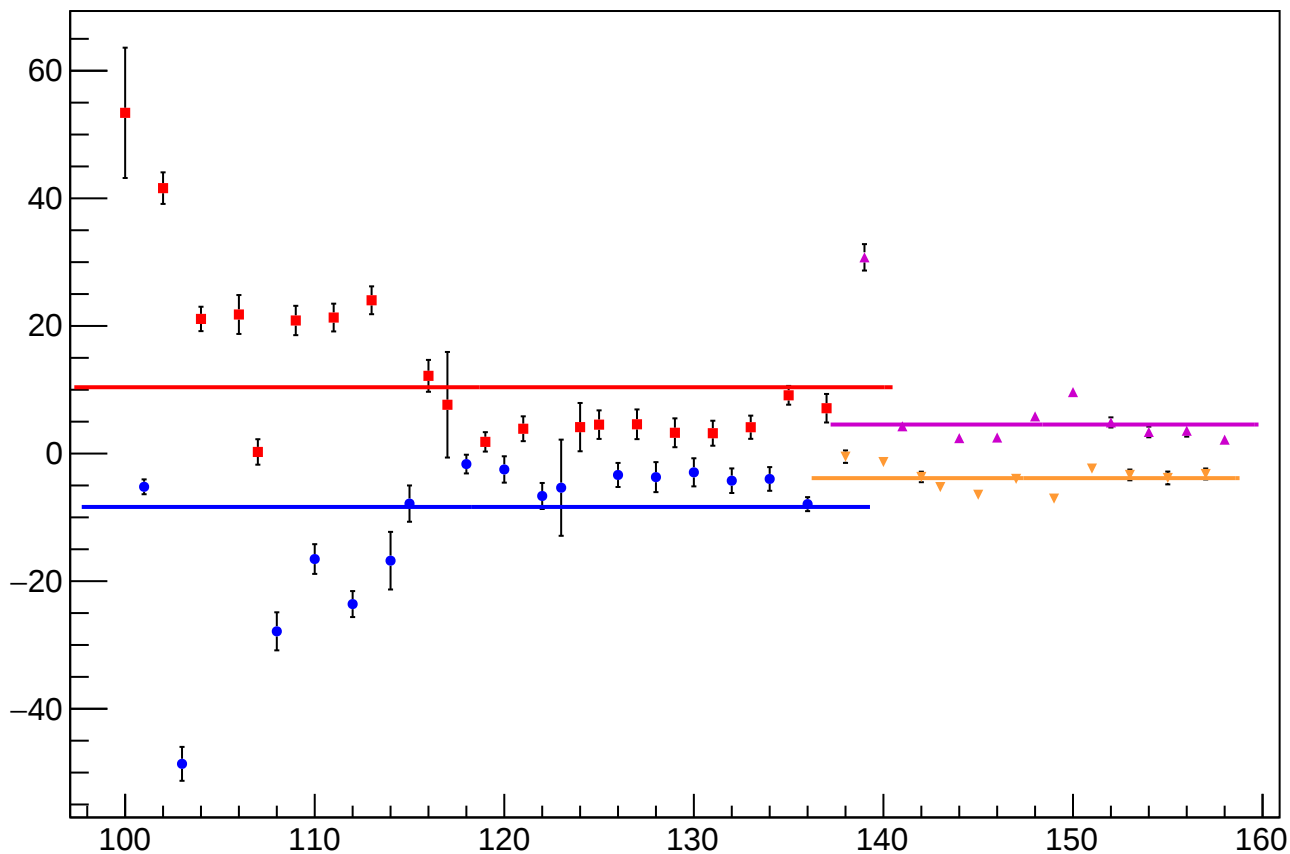
Left In: 30.634+/-0.332 χ^2/NDF : 274.1/9

-35.079+/-0.327 χ^2/NDF : 699.0/10

-2.665+/-0.233 χ^2/NDF : 20838.8/20

30.634+/-0.332 χ^2/NDF : 274.1/9

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.367 ± 0.466 χ^2/NDF : 408.8/16

Left Out: -3.852 ± 0.225 χ^2/NDF : 69.1/10

Right Out: 10.396 ± 0.490 χ^2/NDF : 430.4/19

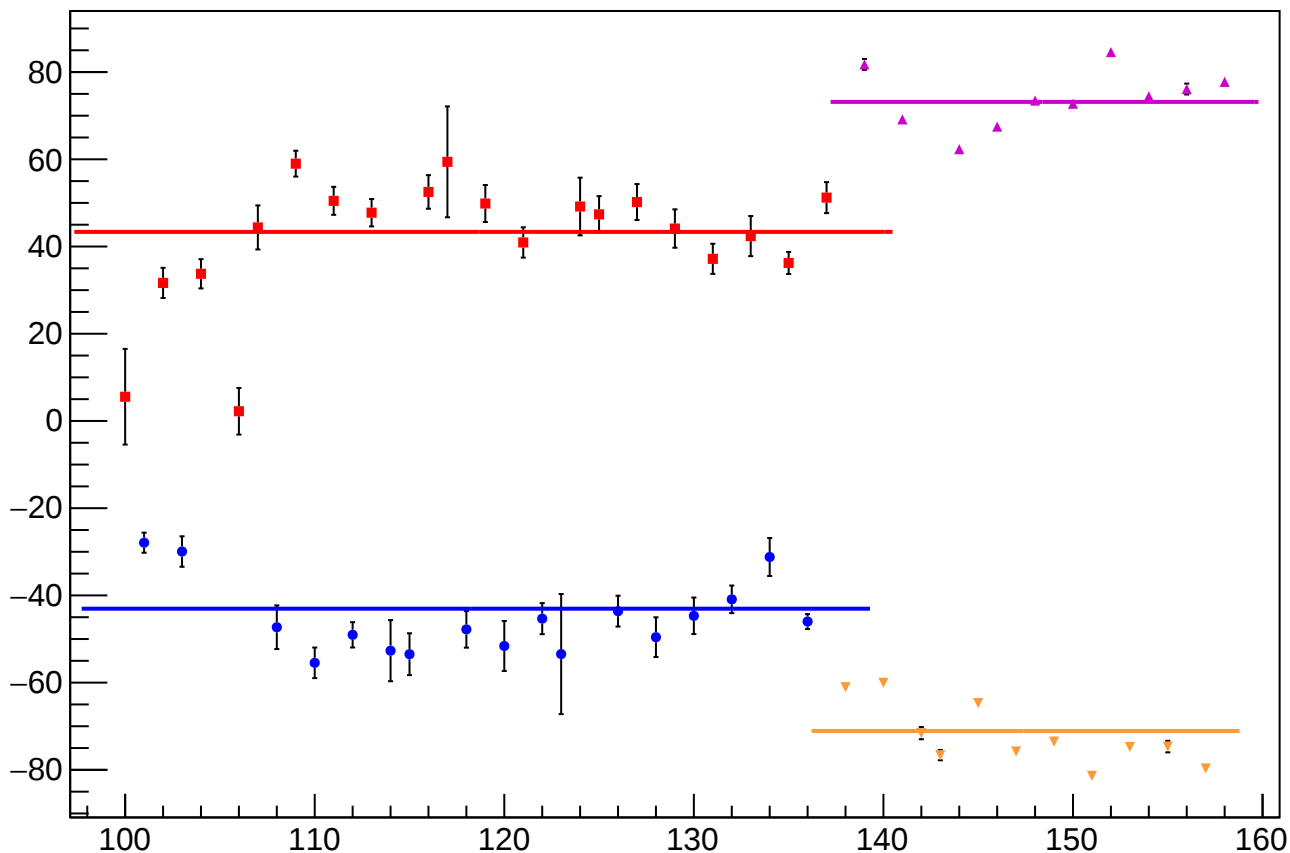
Left In: 4.550 ± 0.224 χ^2/NDF : 252.0/9

-4.703 ± 0.202 χ^2/NDF : 554.0/27

0.387 ± 0.144 χ^2/NDF : 2631.0/57

5.562 ± 0.204 χ^2/NDF : 800.1/29

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 156.0/19$

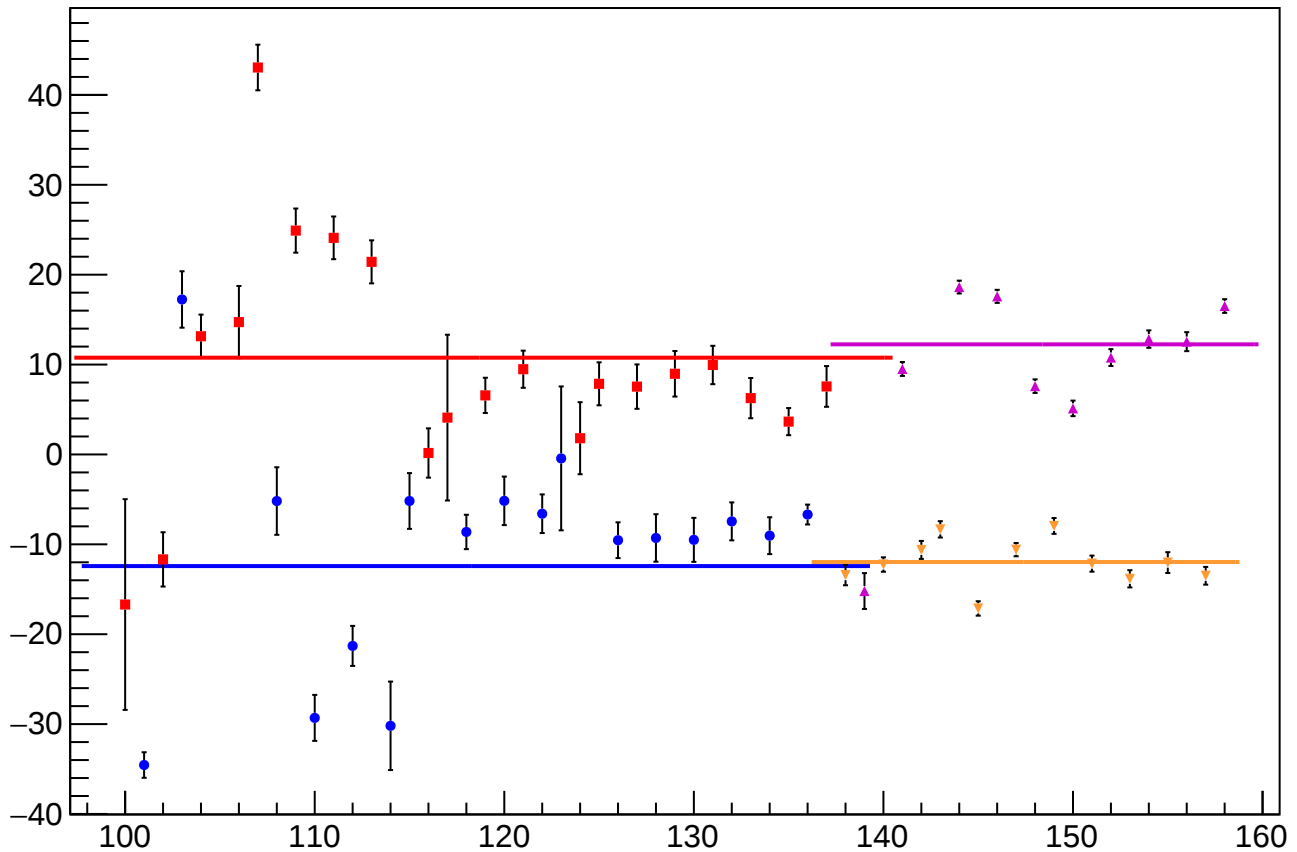
Left In: 73.163 ± 0.326 $\chi^2/\text{NDF}: 402.6/9$

-67.345 ± 0.306 $\chi^2/\text{NDF}: 1571.5/27$

1.202 ± 0.216 $\chi^2/\text{NDF}: 103494.1/57$

69.457 ± 0.305 $\chi^2/\text{NDF}: 1597.9/29$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.421 ± 0.523 χ^2/NDF : 474.4/16

Left Out: -11.969 ± 0.274 χ^2/NDF : 91.5/10

Right Out: 10.766 ± 0.553 χ^2/NDF : 366.3/19

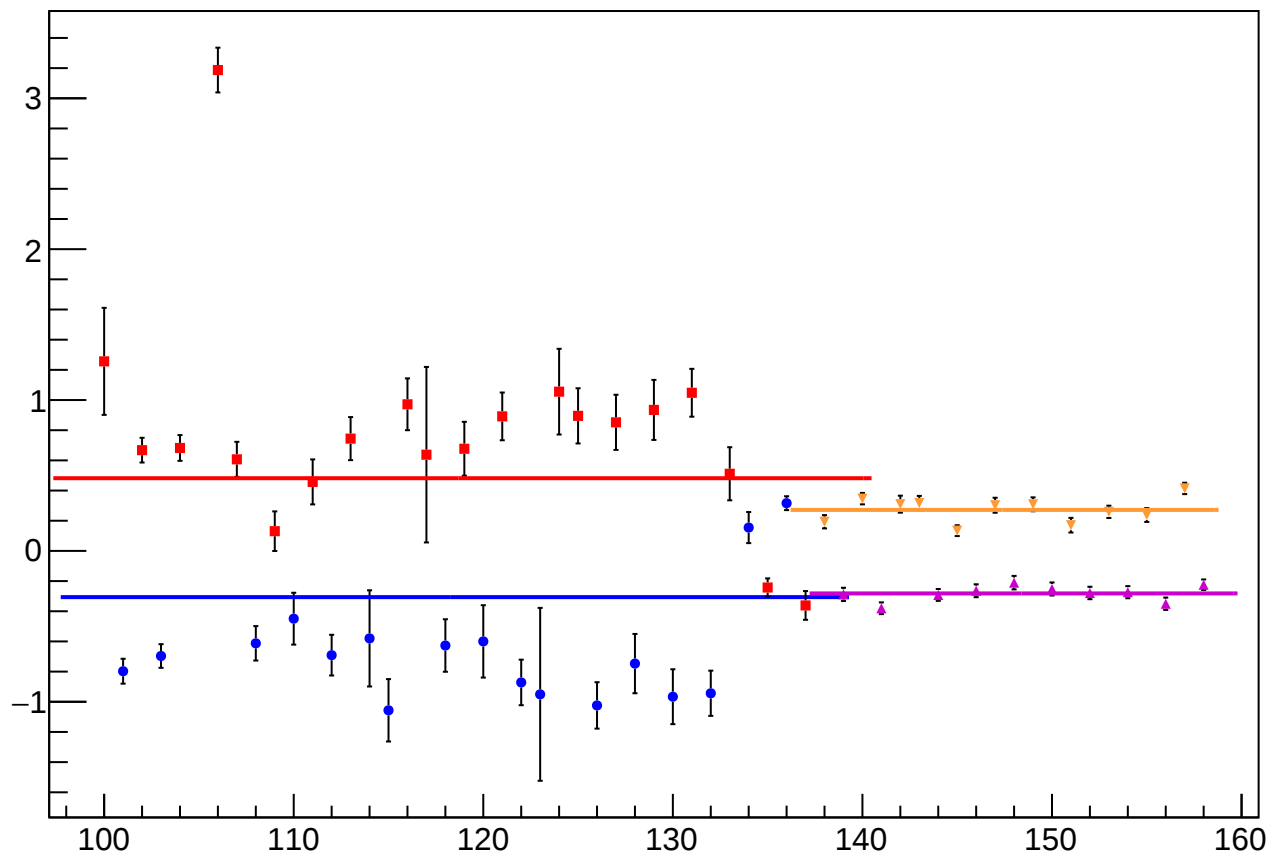
Left In: 12.250 ± 0.270 χ^2/NDF : 476.2/9

-12.066 ± 0.243 χ^2/NDF : 566.5/27

-0.058 ± 0.172 χ^2/NDF : 6316.5/57

11.964 ± 0.243 χ^2/NDF : 848.4/29

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.306±/0.028 χ^2/NDF : 371.7/16

Left Out: 0.272±/0.013 χ^2/NDF : 43.4/10

Right Out: 0.482±/0.029 χ^2/NDF : 628.3/19

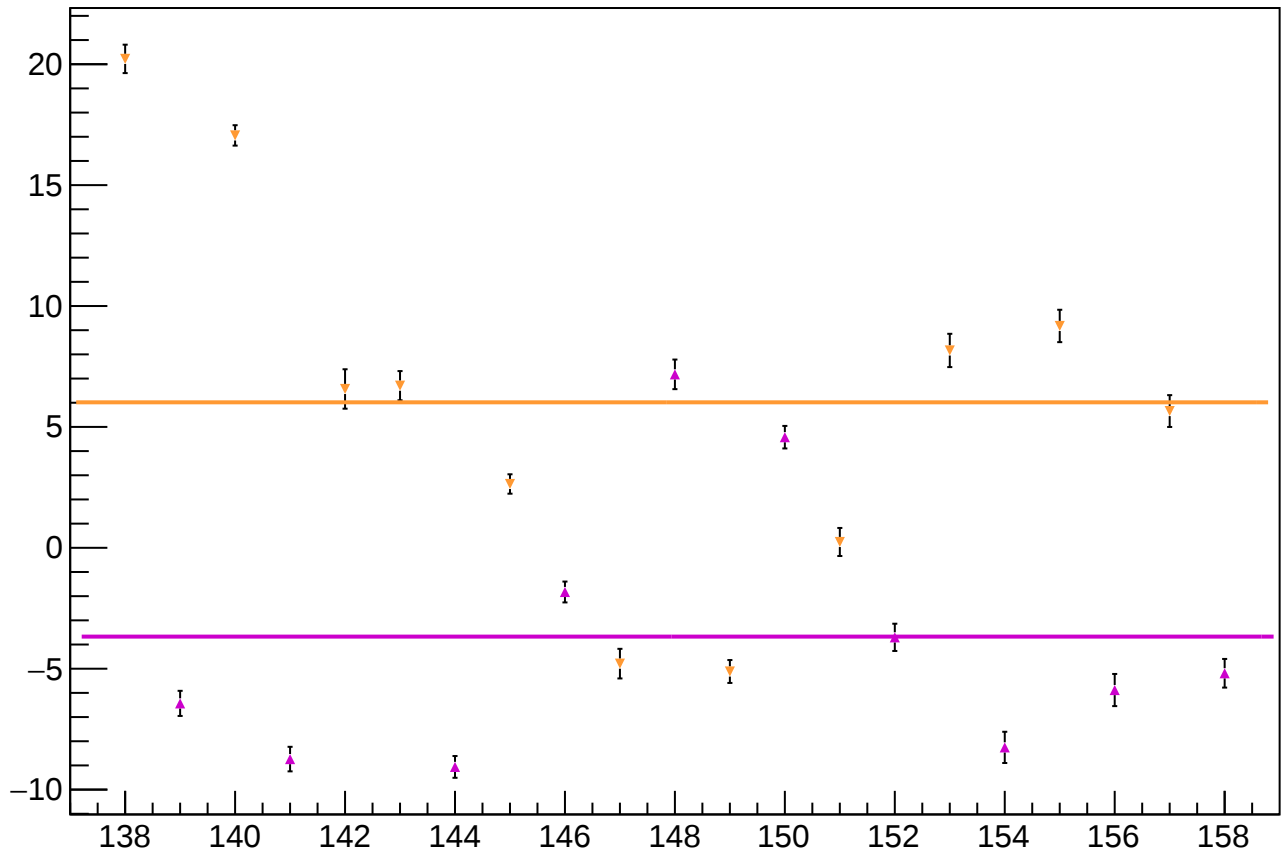
Left In: -0.282±/0.013 χ^2/NDF : 15.2/9

0.165±/0.012 χ^2/NDF : 774.0/27

0.005±/0.008 χ^2/NDF : 2374.8/57

-0.153±/0.012 χ^2/NDF : 1237.4/29

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 6.017+/-0.167 χ^2/NDF : 2335.7/10

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

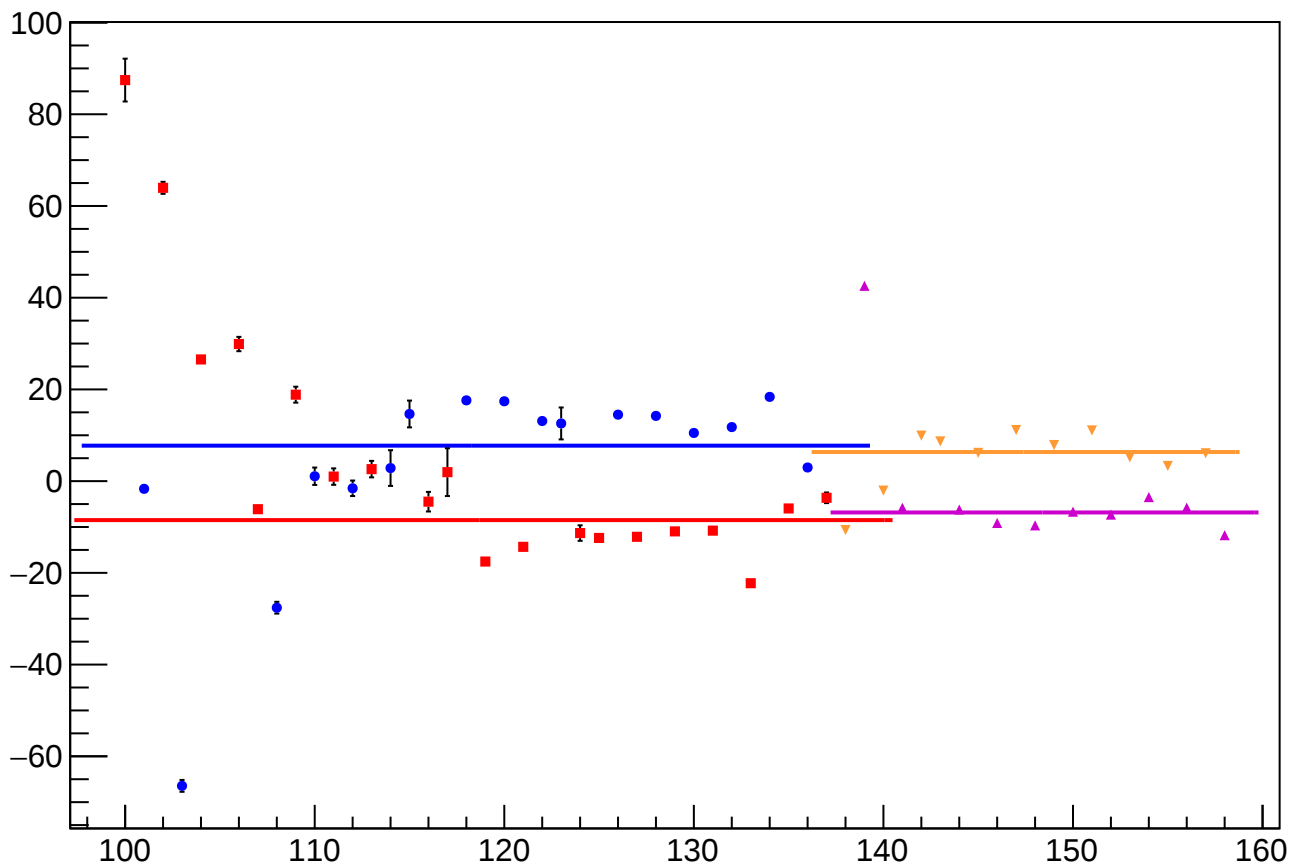
Left In: -3.672+/-0.167 χ^2/NDF : 984.8/9

6.017+/-0.167 χ^2/NDF : 2335.7/10

1.164+/-0.118 χ^2/NDF : 4999.8/20

-3.672+/-0.167 χ^2/NDF : 984.8/9

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.737 ± 0.218 χ^2/NDF : 5300.6/16

Left Out: 6.350 ± 0.116 χ^2/NDF : 1997.2/10

Right Out: -8.496 ± 0.213 χ^2/NDF : 6723.5/19

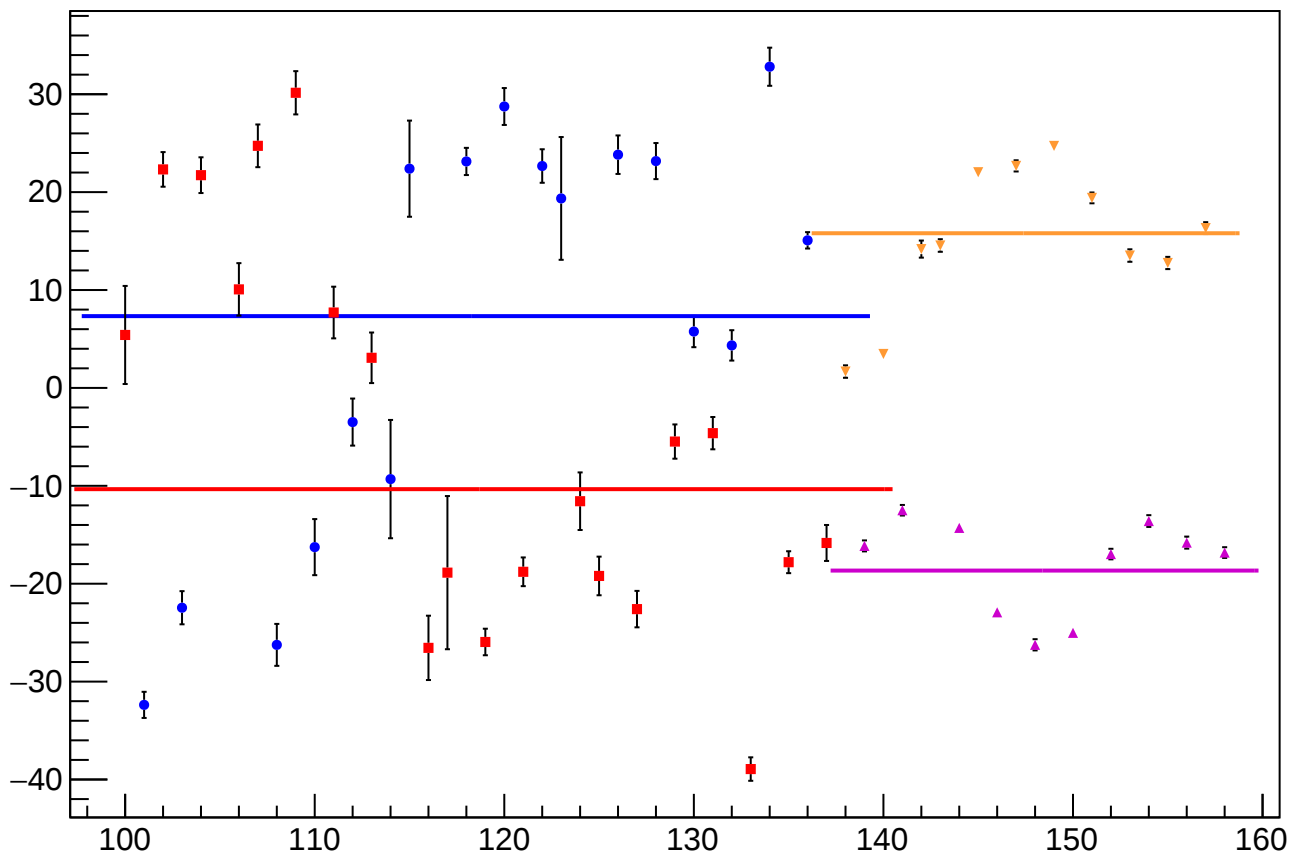
Left In: -6.830 ± 0.116 χ^2/NDF : 3115.9/9

6.657 ± 0.103 χ^2/NDF : 7329.3/27

-0.310 ± 0.072 χ^2/NDF : 26388.2/57

-7.213 ± 0.102 χ^2/NDF : 9886.5/29

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 7.333 ± 0.419 χ^2/NDF : 2293.1/16

Left Out: 15.800 ± 0.167 χ^2/NDF : 2096.1/10

Right Out: -10.342 ± 0.416 χ^2/NDF : 2282.7/19

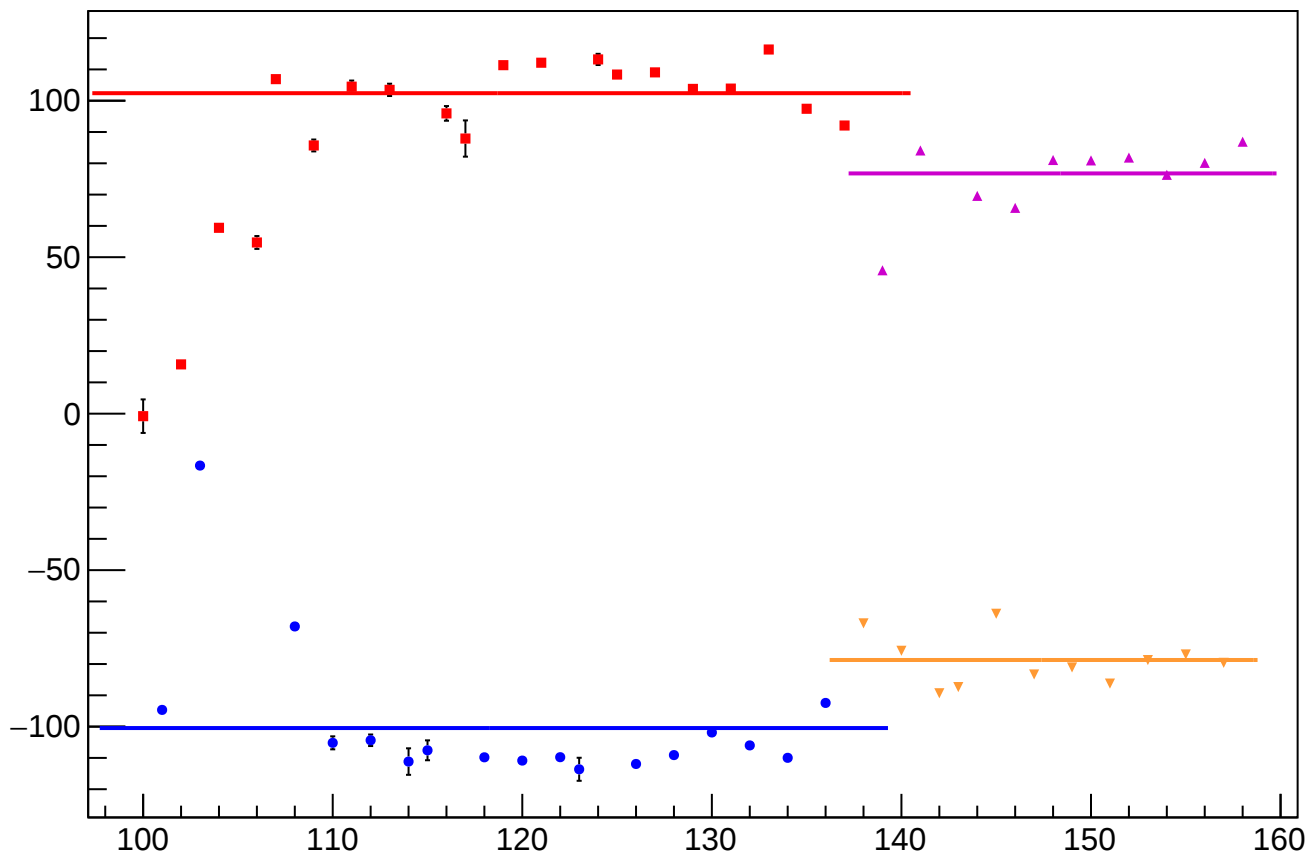
Left In: -18.658 ± 0.164 χ^2/NDF : 839.3/9

14.637 ± 0.155 χ^2/NDF : 4742.1/27

-1.727 ± 0.109 χ^2/NDF : 30084.4/57

-17.542 ± 0.153 χ^2/NDF : 3467.6/29

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -100.457 ± 0.251 χ^2/NDF : 4461.1/16

Left Out: -78.709 ± 0.141 χ^2/NDF : 2935.1/10

Right Out: 102.405 ± 0.246 χ^2/NDF : 6100.6/19

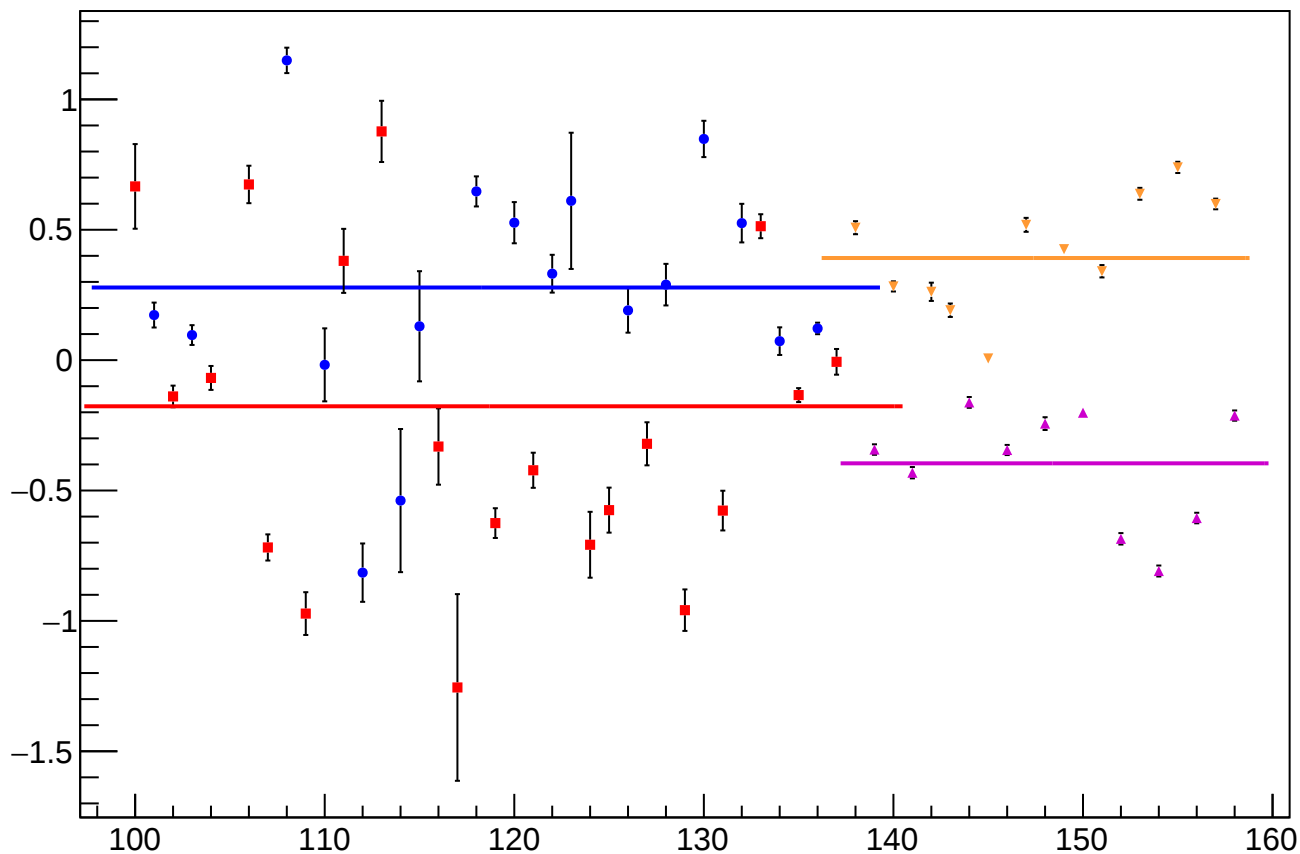
Left In: 76.766 ± 0.139 χ^2/NDF : 3756.5/9

-83.929 ± 0.123 χ^2/NDF : 13113.4/27

0.854 ± 0.086 χ^2/NDF : 968762.7/57

82.956 ± 0.121 χ^2/NDF : 18094.3/29

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.279 ± 0.014 χ^2/NDF : 653.9/16

Left Out: 0.392 ± 0.007 χ^2/NDF : 1170.5/10

Right Out: -0.177 ± 0.013 χ^2/NDF : 976.8/19

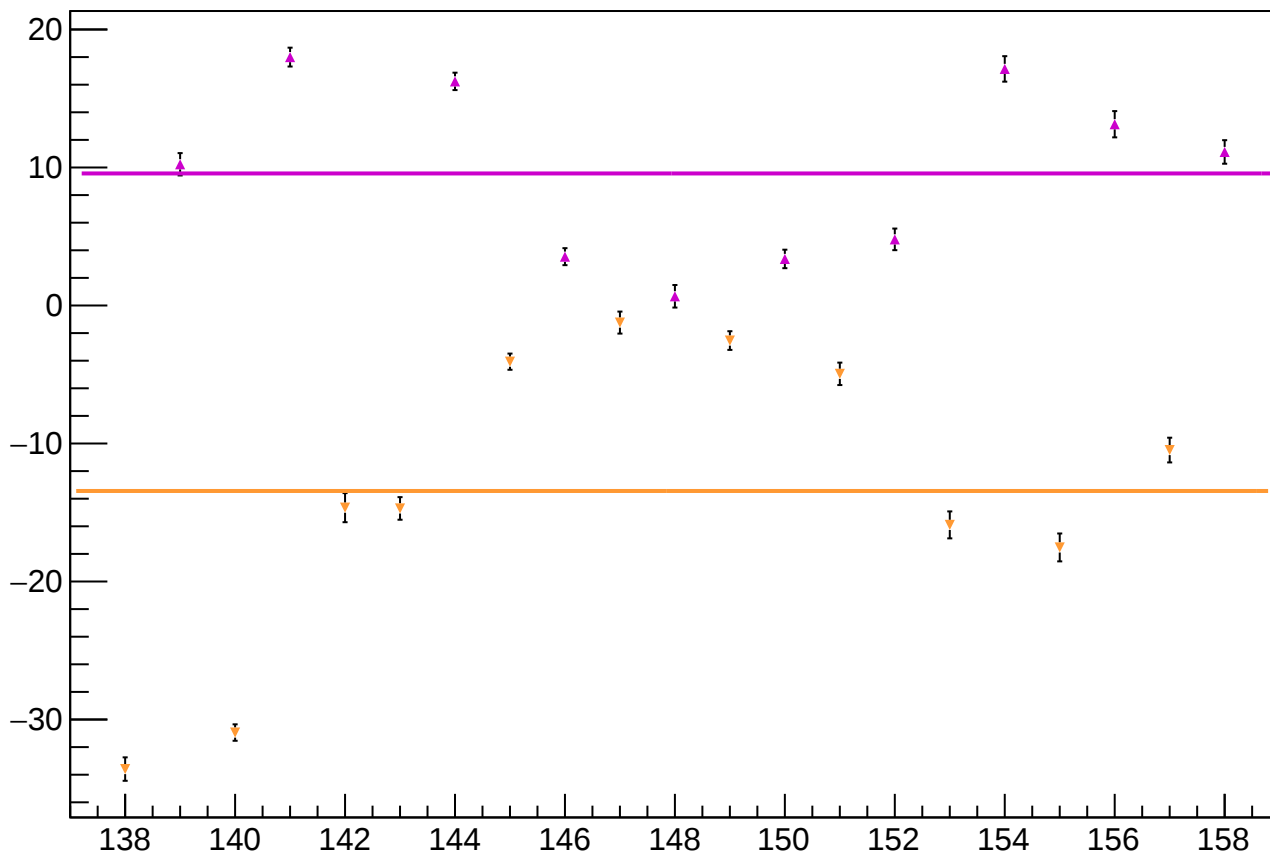
Left In: -0.396 ± 0.007 χ^2/NDF : 1048.8/9

0.370 ± 0.006 χ^2/NDF : 1880.7/27

0.000 ± 0.004 χ^2/NDF : 11592.8/57

-0.354 ± 0.006 χ^2/NDF : 2239.5/29

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

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

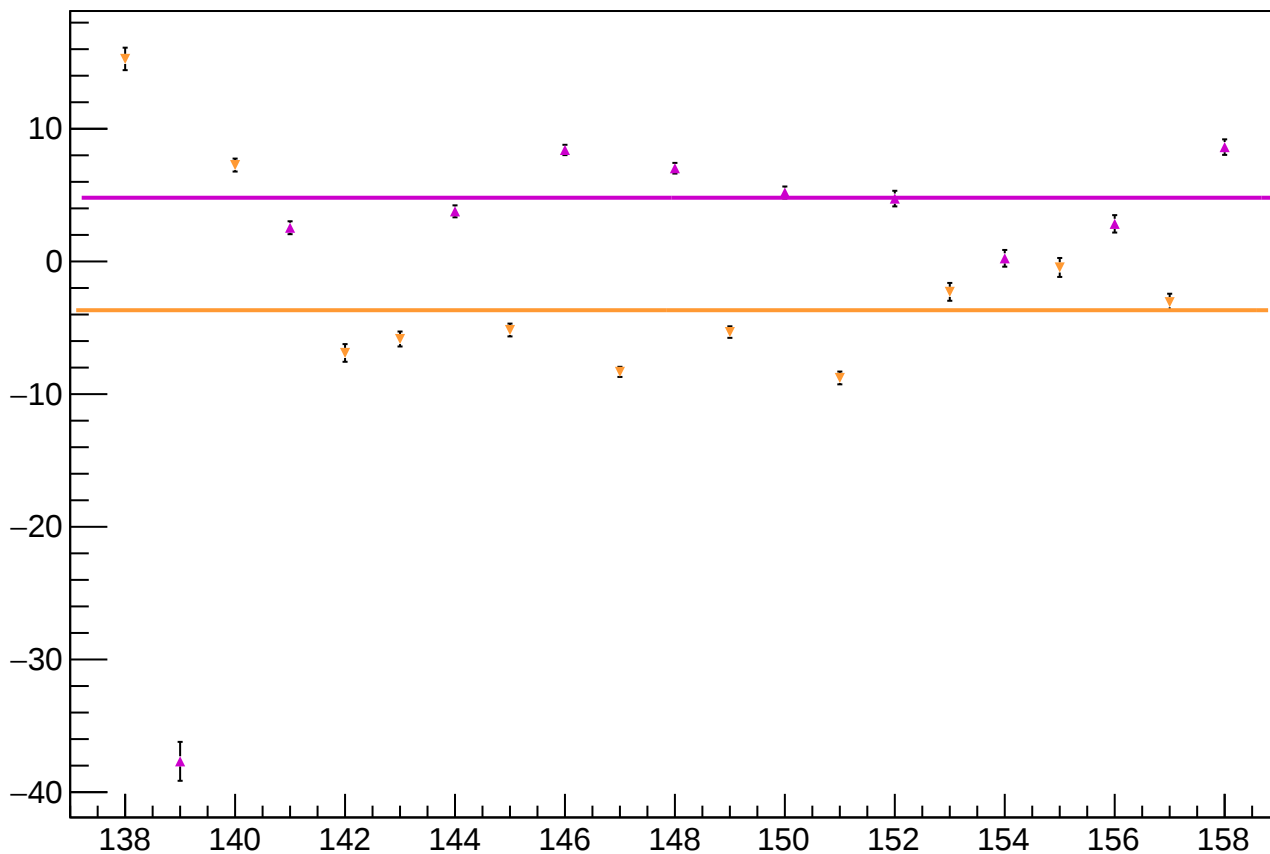
Left In: 9.568 $\pm$ 0.237 χ^2 /NDF: 687.2/9

-13.440 $\pm$ 0.235 χ^2 /NDF: 2320.6/10

-2.002 $\pm$ 0.167 χ^2 /NDF: 7756.2/20

9.568 $\pm$ 0.237 χ^2 /NDF: 687.2/9

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: -3.675+/-0.161 χ^2/NDF :1349.2/10

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

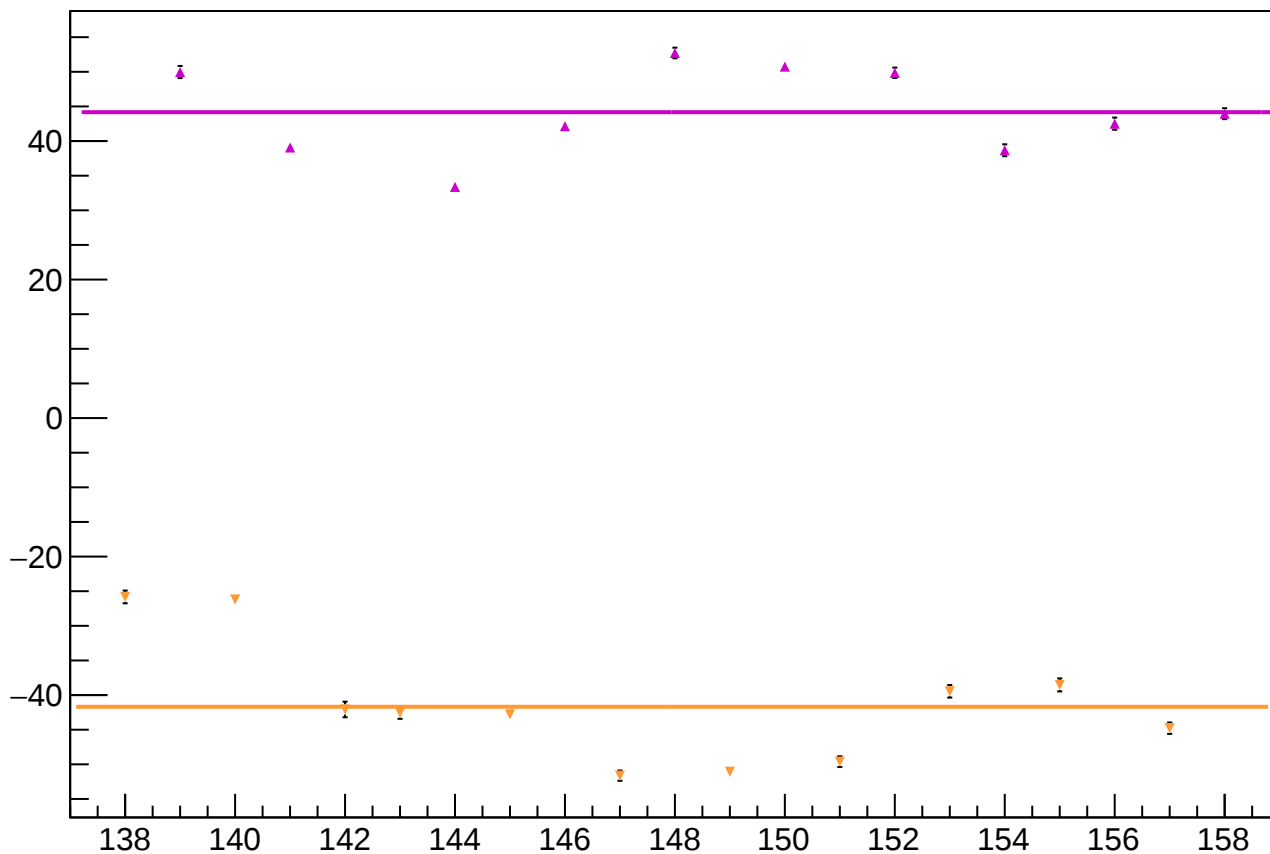
Left In: 4.803+/-0.162 χ^2/NDF :1086.5/9

-3.675+/-0.161 χ^2/NDF : 1349.2/10

0.539+/-0.115 χ^2/NDF : 3805.6/20

4.803+/-0.162 χ^2/NDF : 1086.5/9

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -41.687+/-0.235 χ^2/NDF :1429.7/10

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

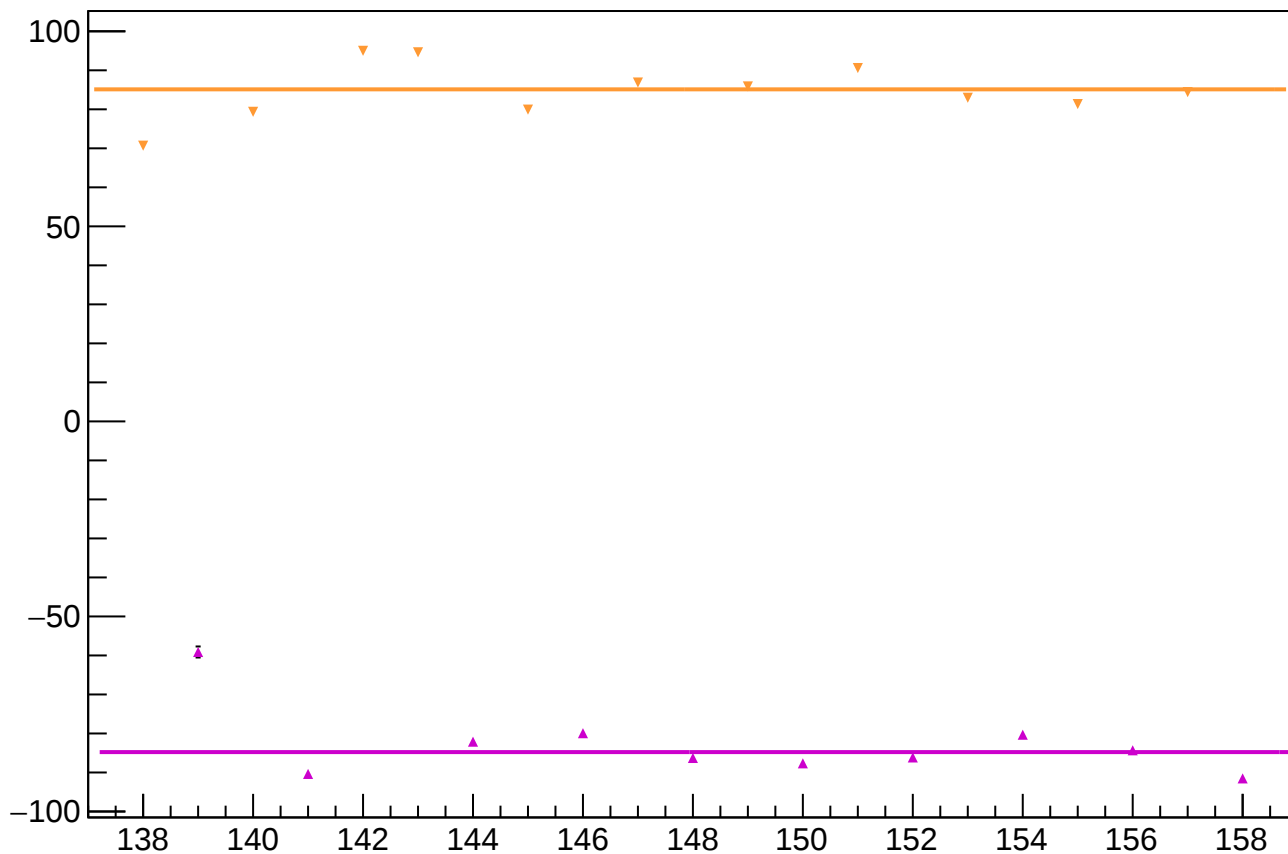
Left In: 44.169+/-0.232 χ^2/NDF :697.5/9

-41.687+/-0.235 χ^2/NDF : 1429.7/10

1.730+/-0.165 χ^2/NDF : 69709.5/20

44.169+/-0.232 χ^2/NDF : 697.5/9

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 85.120+/-0.197 χ^2/NDF : 872.4/10

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

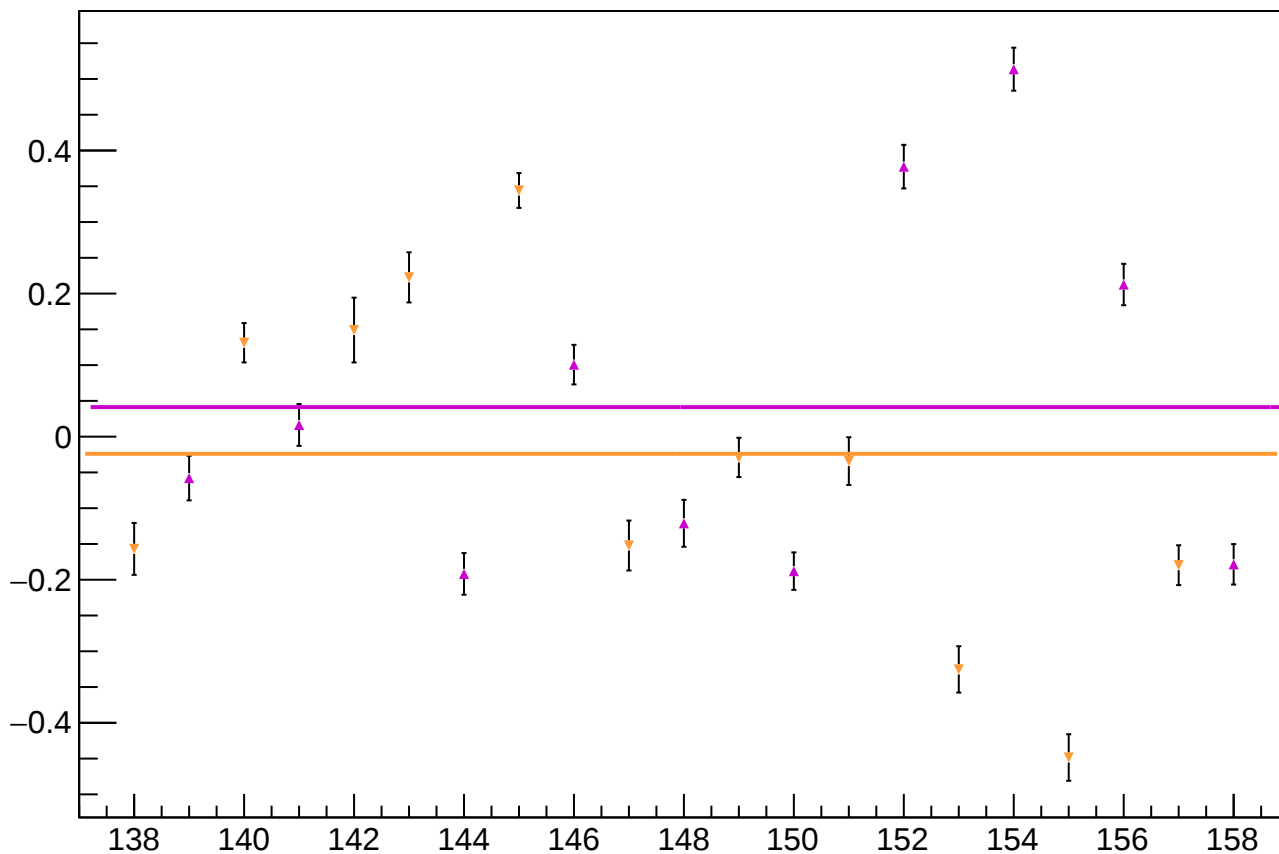
Left In: -84.775+/-0.195 χ^2/NDF : 744.1/9

85.120+/-0.197 χ^2/NDF : 872.4/10

-0.650+/-0.138 χ^2/NDF : 378710.2/20

-84.775+/-0.195 χ^2/NDF : 744.1/9

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: -0.024 $\pm$ 0.009 χ^2 /NDF: 639.7/10

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

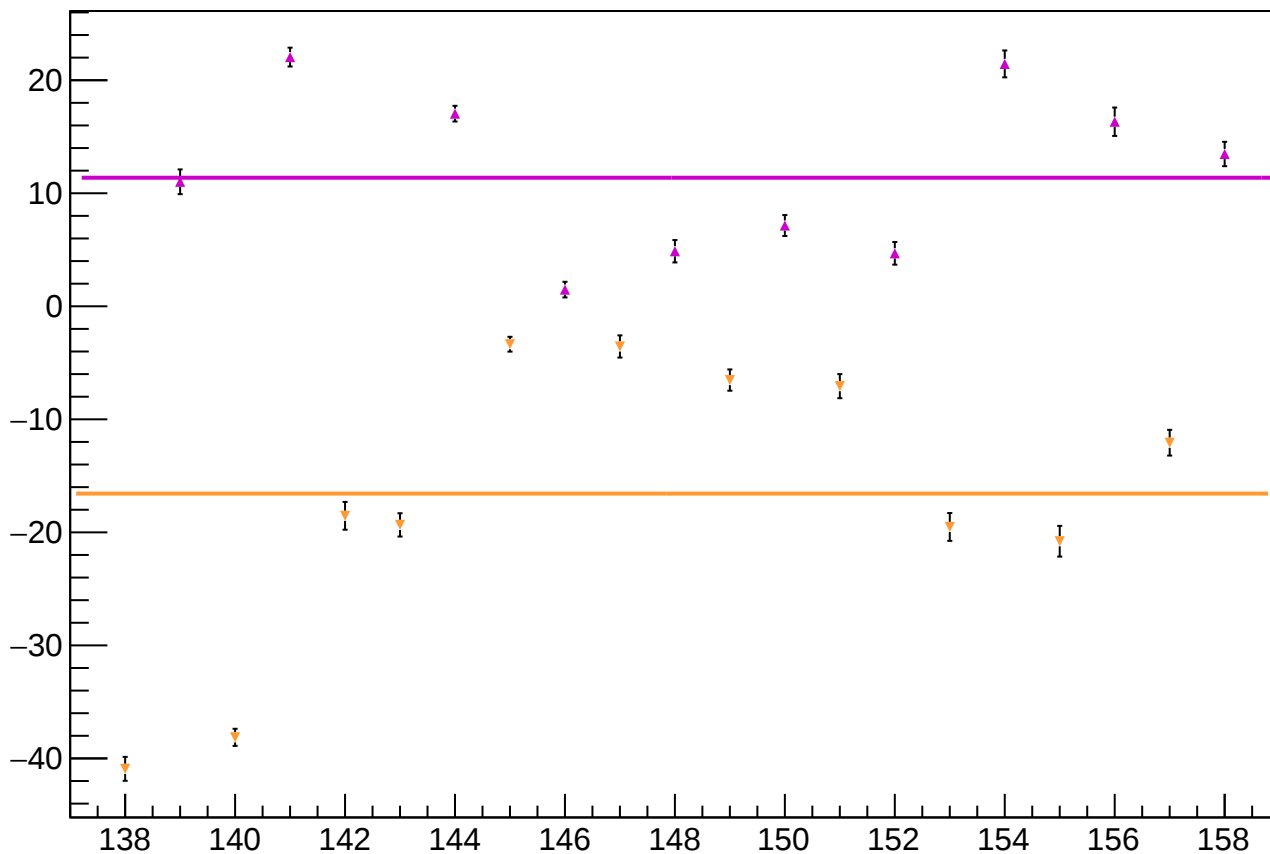
Left In: 0.041 $\pm$ 0.009 χ^2 /NDF: 643.8/9

-0.024 $\pm$ 0.009 χ^2 /NDF: 639.7/10

0.009 $\pm$ 0.007 χ^2 /NDF: 1308.0/20

0.041 $\pm$ 0.009 χ^2 /NDF: 643.8/9

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -16.571+/-0.294 χ^2/NDF : 2158.2/10

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

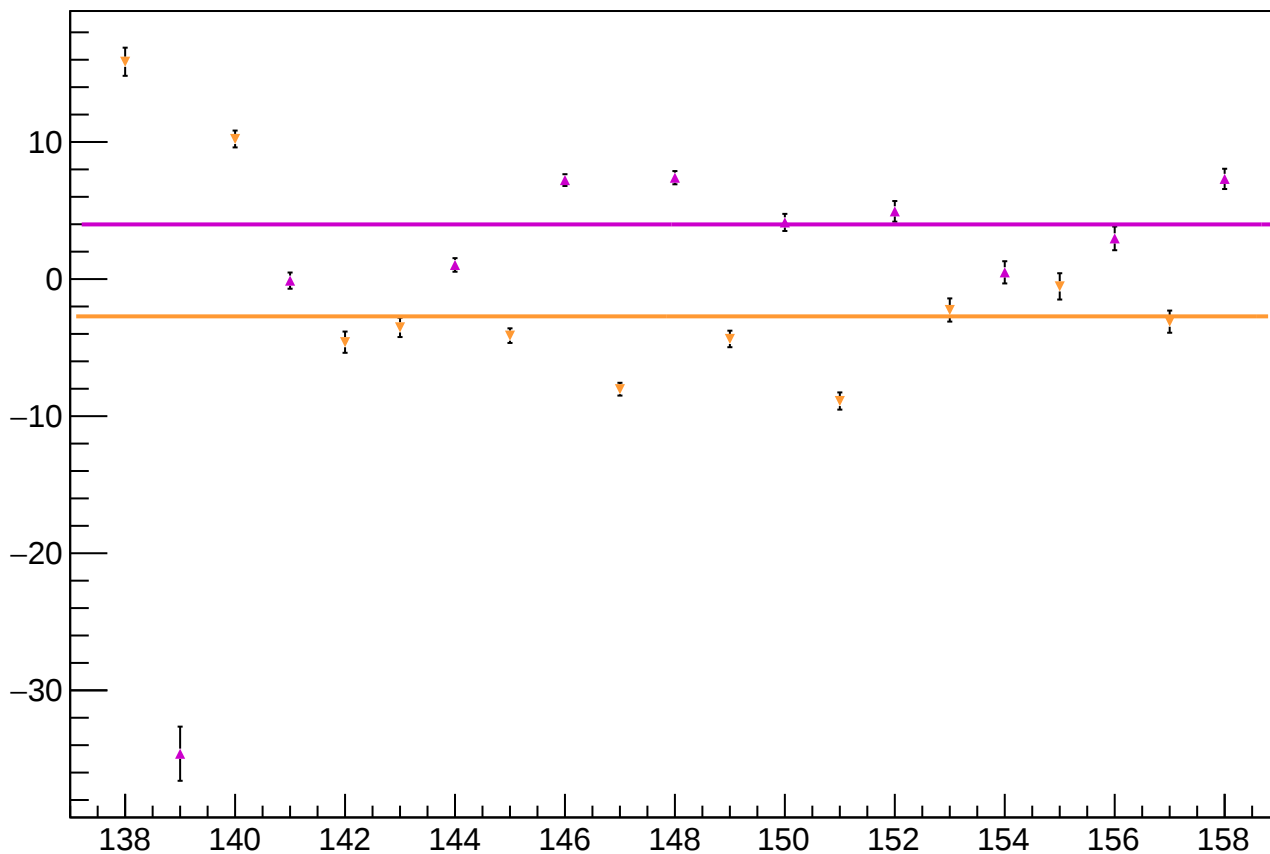
Left In: 11.374+/-0.291 χ^2/NDF : 634.6/9

-16.571+/-0.294 χ^2/NDF : 2158.2/10

-2.469+/-0.207 χ^2/NDF : 7362.8/20

11.374+/-0.291 χ^2/NDF : 634.6/9

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: -2.720+/-0.201 χ^2/NDF : 1024.3/10

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

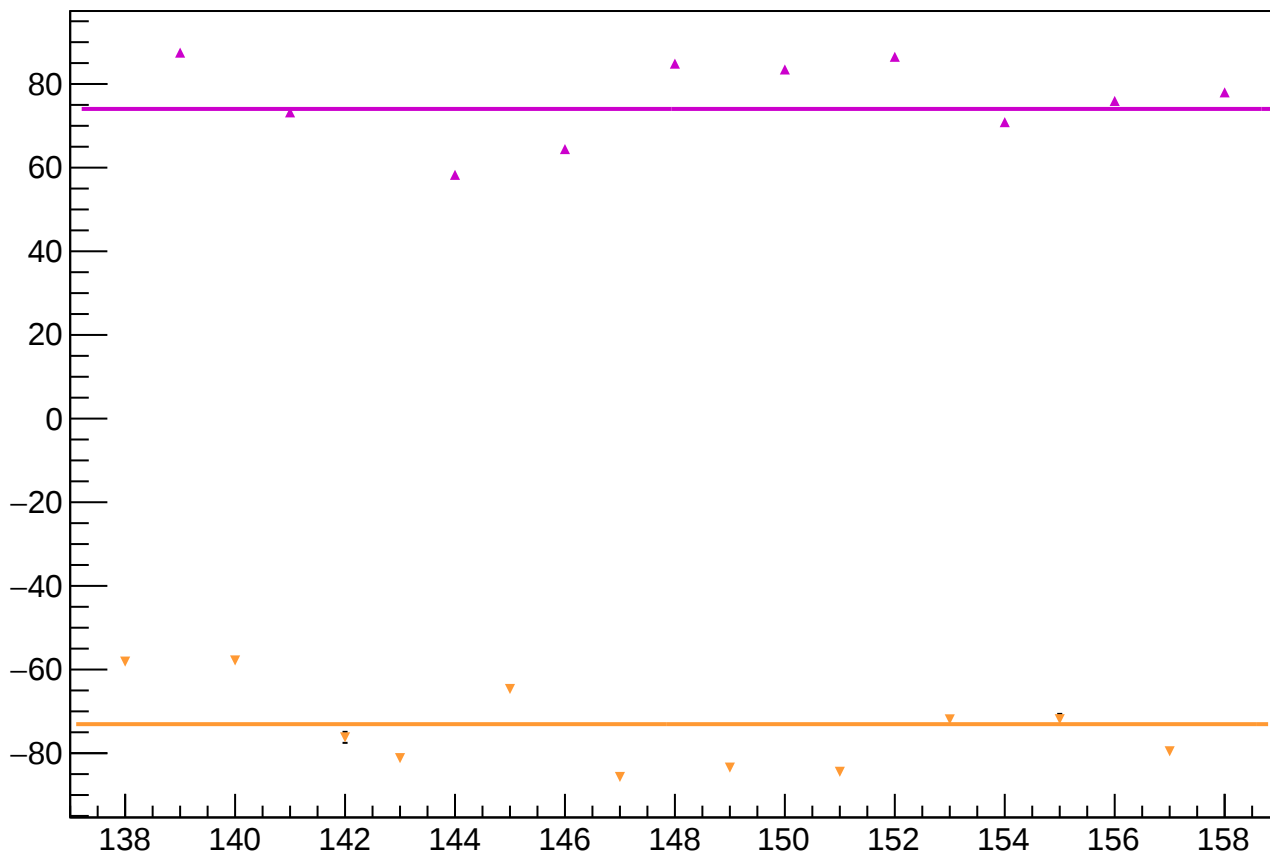
Left In: 3.987+/-0.196 χ^2/NDF : 614.2/9

-2.720+/-0.201 χ^2/NDF : 1024.3/10

0.717+/-0.141 χ^2/NDF : 2207.5/20

3.987+/-0.196 χ^2/NDF : 614.2/9

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -73.058+/-0.295 χ^2/NDF :1228.4/10

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

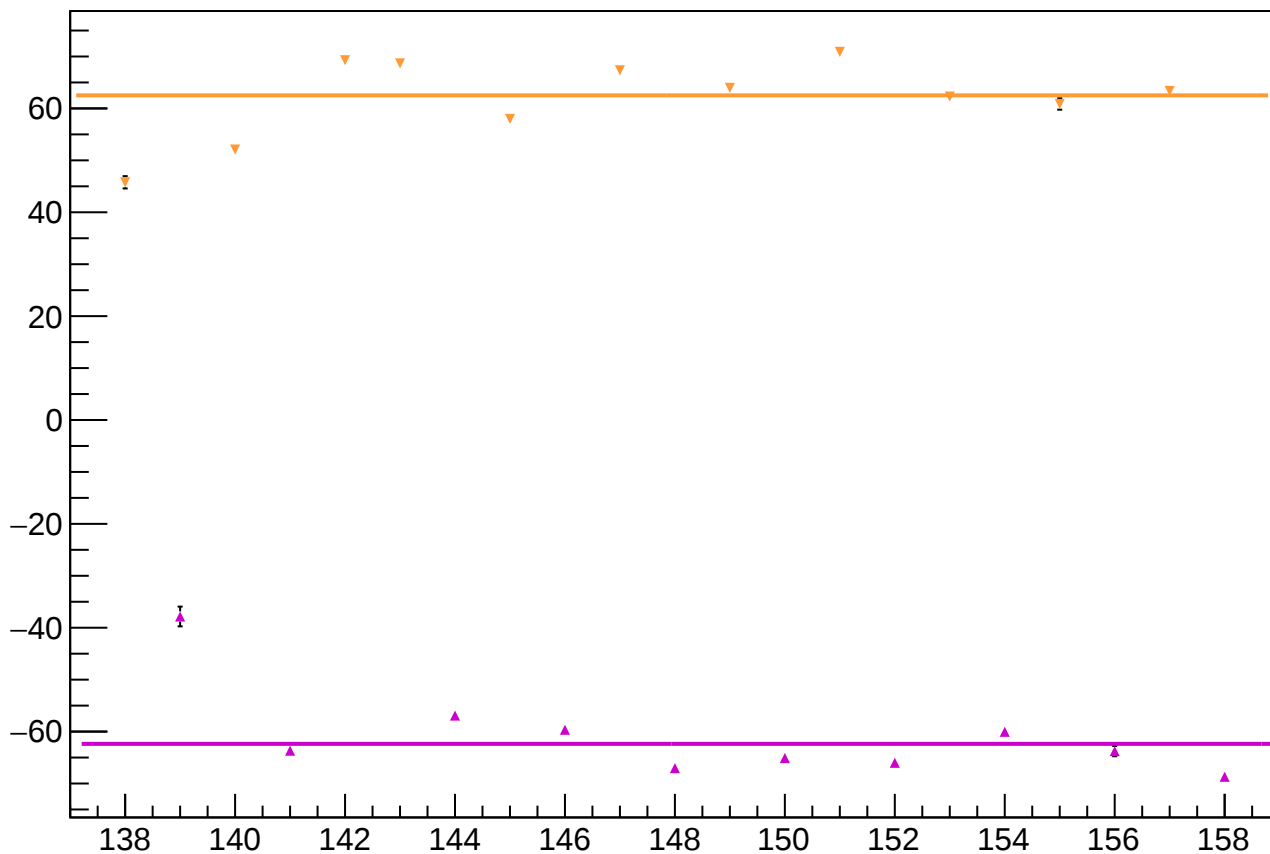
Left In: 74.038+/-0.286 χ^2/NDF :1236.4/9

-73.058+/-0.295 χ^2/NDF : 1228.4/10

2.580+/-0.205 χ^2/NDF : 130694.6/20

74.038+/-0.286 χ^2/NDF : 1236.4/9

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 62.516+/-0.246 χ^2/NDF : 726.3/10

62.516+/-0.246 χ^2/NDF : 726.3/10

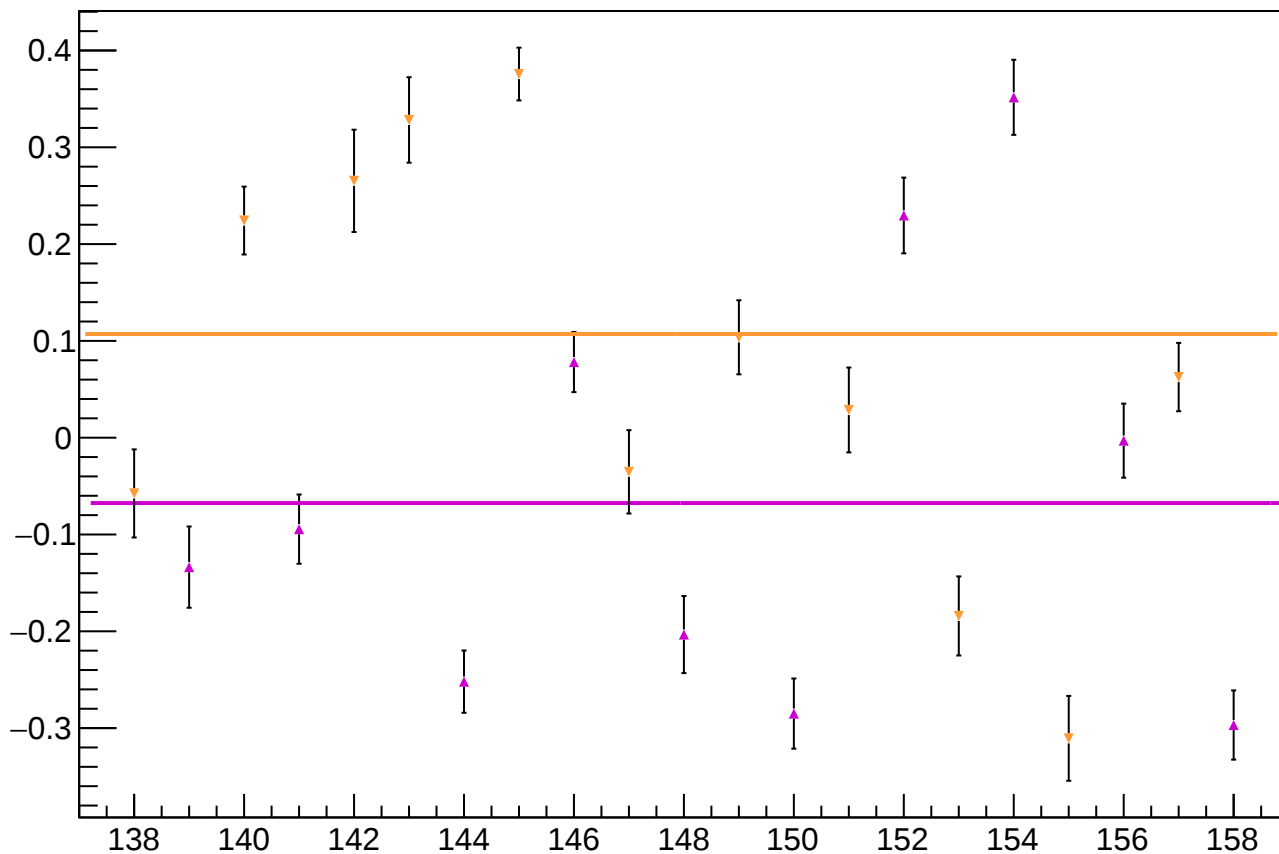
-2.050+/-0.171 χ^2/NDF : 134939.7/20

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

-62.365+/-0.237 χ^2/NDF : 434.1/9

Left In: -62.365+/-0.237 χ^2/NDF : 434.1/9

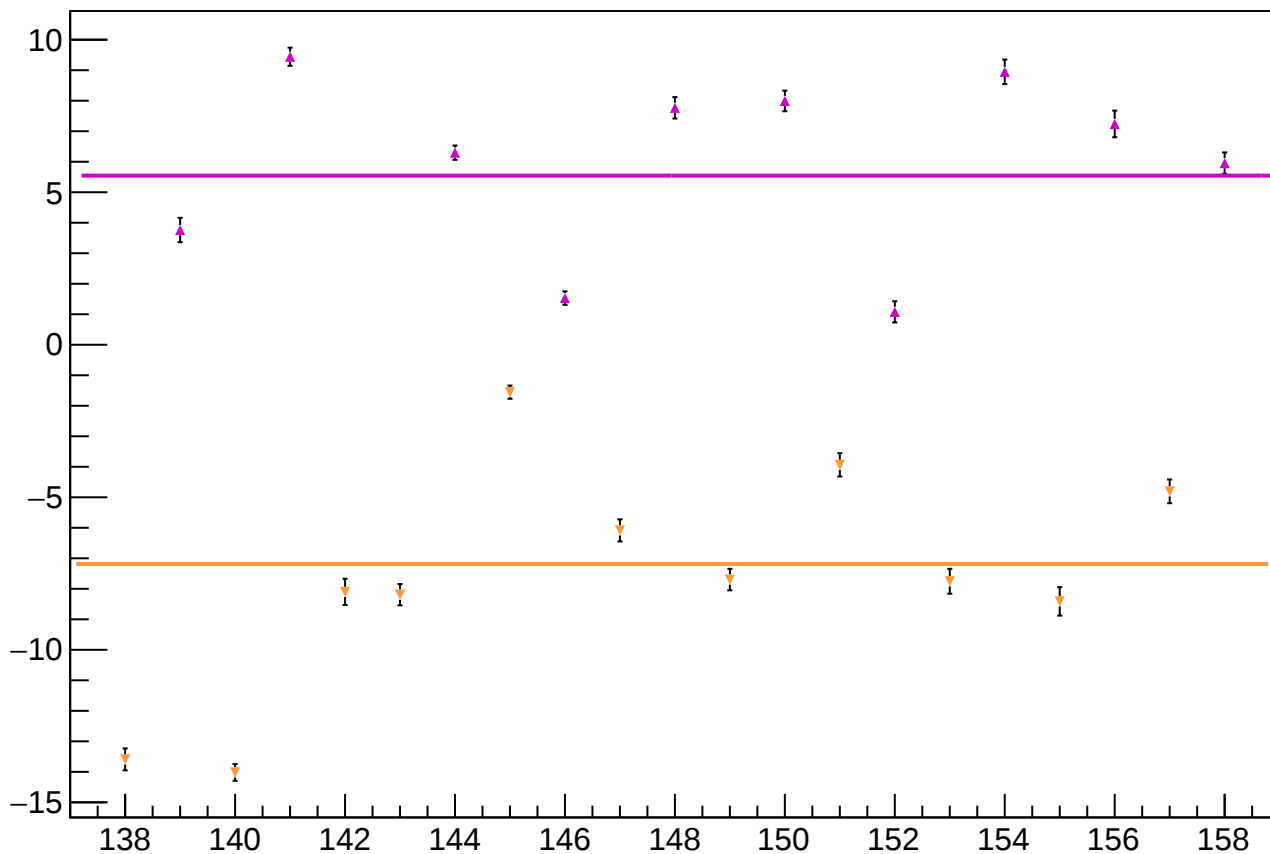
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.107 $\pm$ 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
 0.018 $\pm$ 0.008 χ^2 /NDF: 748.7/20
 -0.068 $\pm$ 0.012 χ^2 /NDF: 323.9/9

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -7.188+/-0.102 χ^2/NDF : 1748.9/10

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

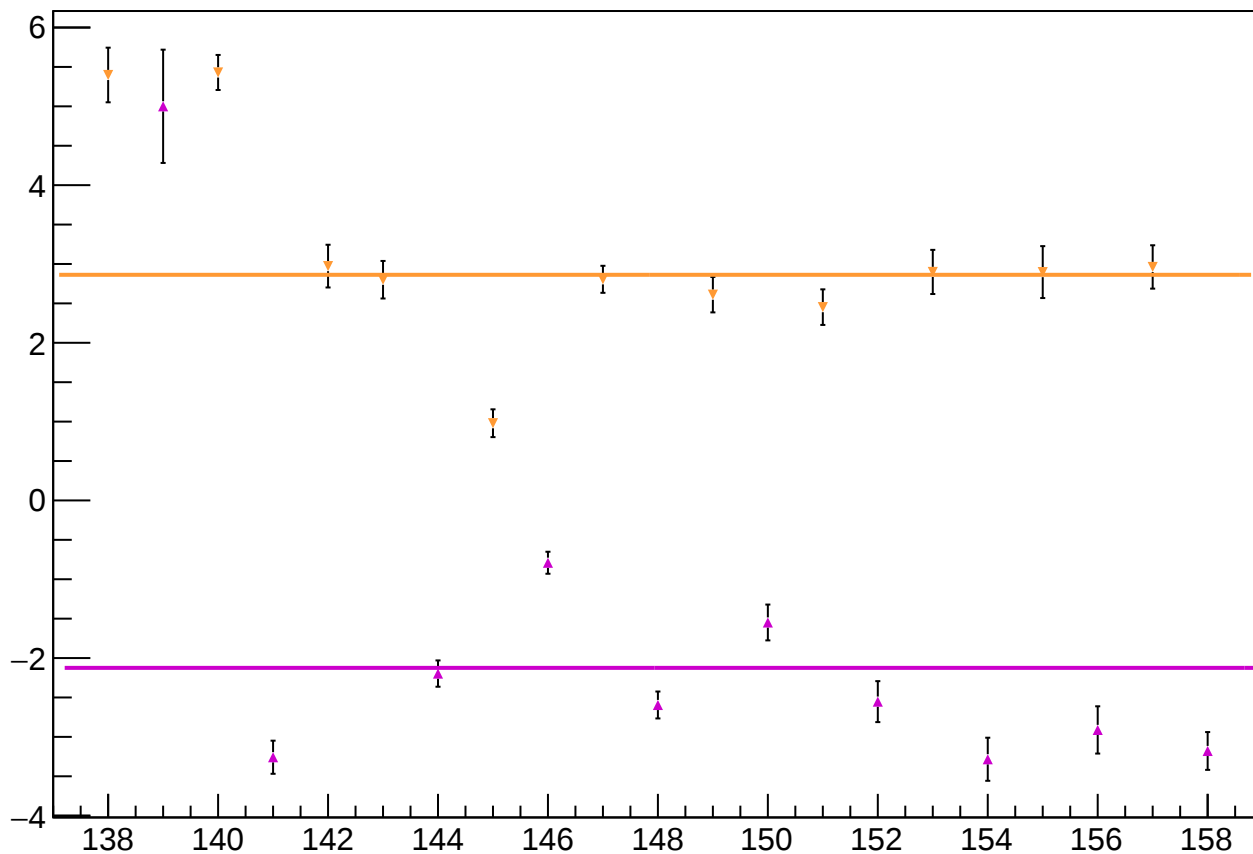
Left In: 5.546+/-0.099 χ^2/NDF : 878.9/9

-7.188+/-0.102 χ^2/NDF : 1748.9/10

-0.639+/-0.071 χ^2/NDF : 10588.4/20

5.546+/-0.099 χ^2/NDF : 878.9/9

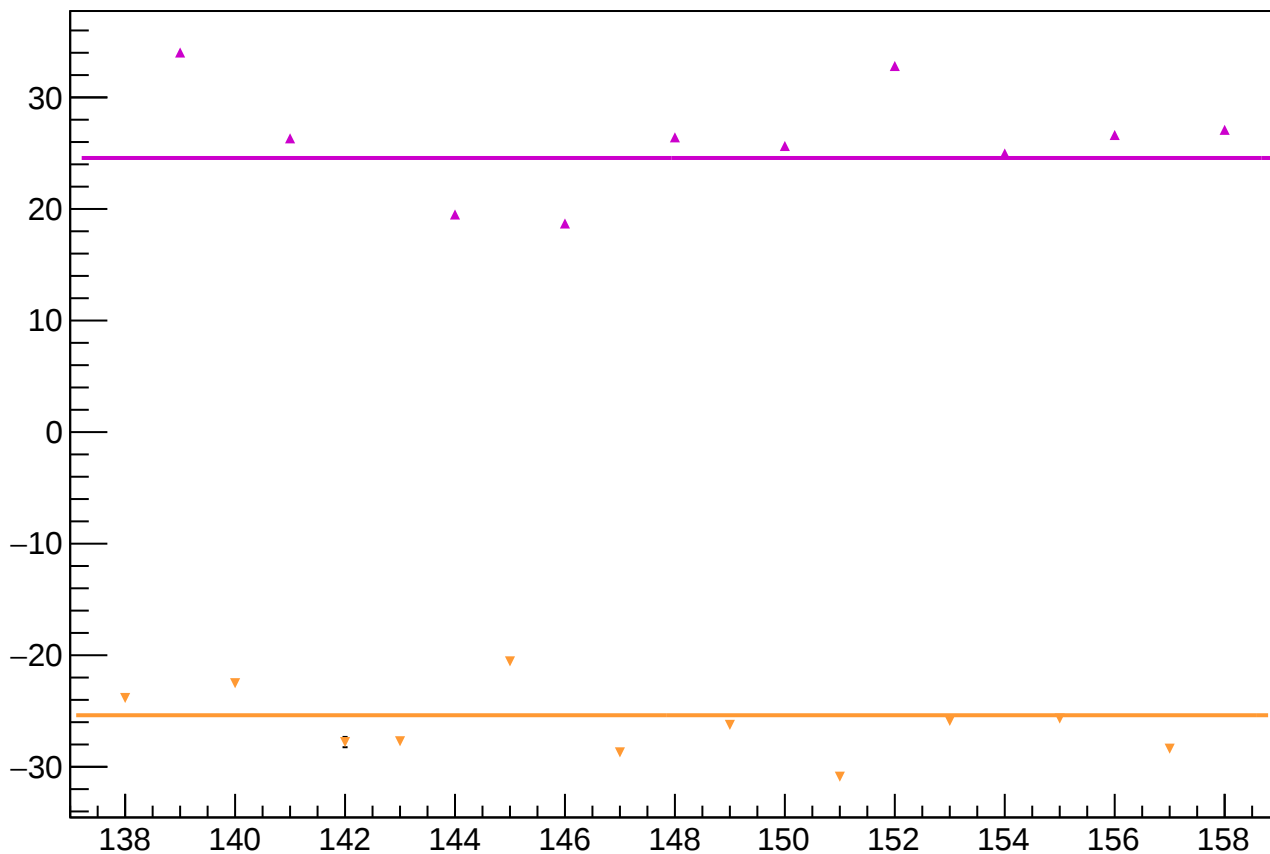
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 2.863+/-0.071 χ^2/NDF : 306.0/10
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.124+/-0.067 χ^2/NDF : 279.8/9

2.863+/-0.071 χ^2/NDF : 306.0/10
 0.242+/-0.049 χ^2/NDF : 3207.4/20
 -2.124+/-0.067 χ^2/NDF : 279.8/9

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -25.377+/-0.103 χ^2/NDF : 1018.5/10

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

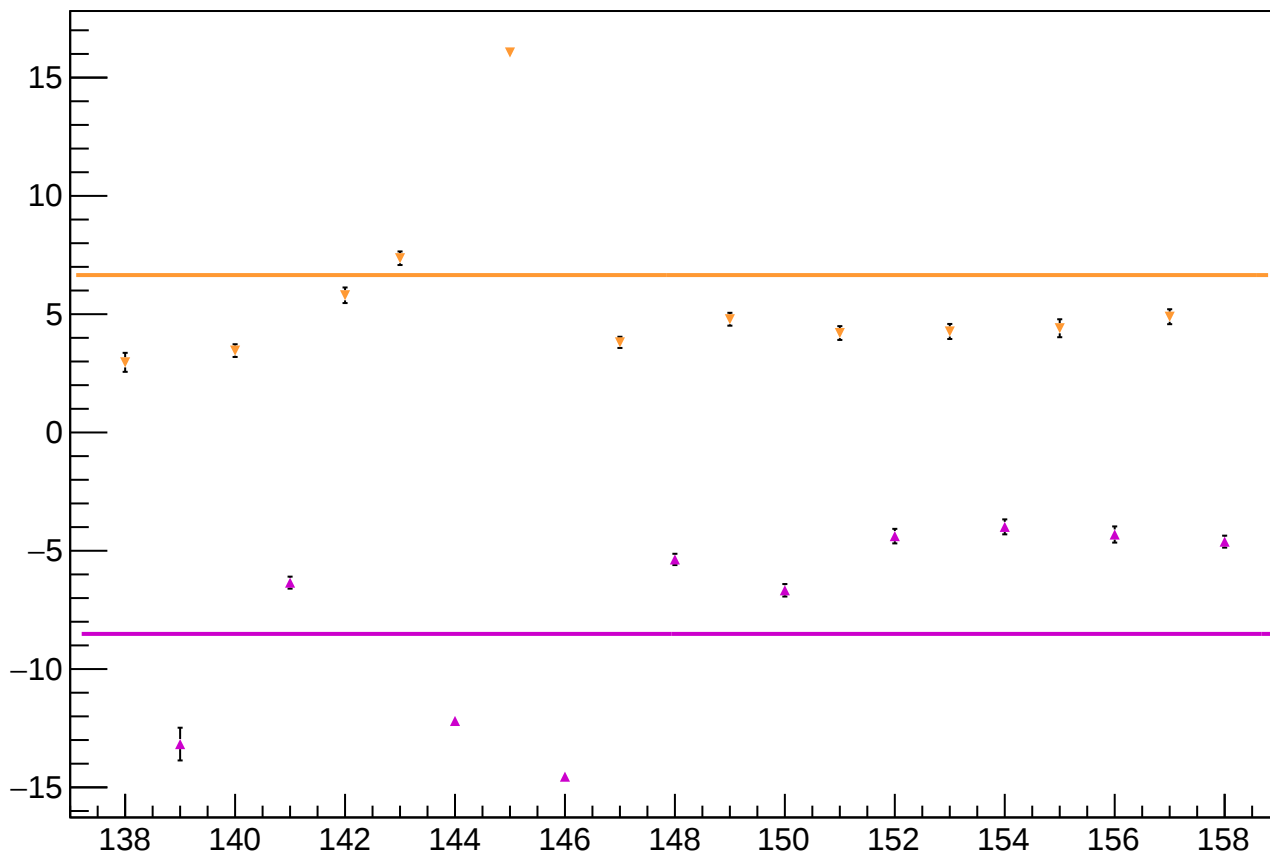
Left In: 24.570+/-0.098 χ^2/NDF : 2427.7/9

-25.377+/-0.103 χ^2/NDF : 1018.5/10

0.866+/-0.071 χ^2/NDF : 127216.7/20

24.570+/-0.098 χ^2/NDF : 2427.7/9

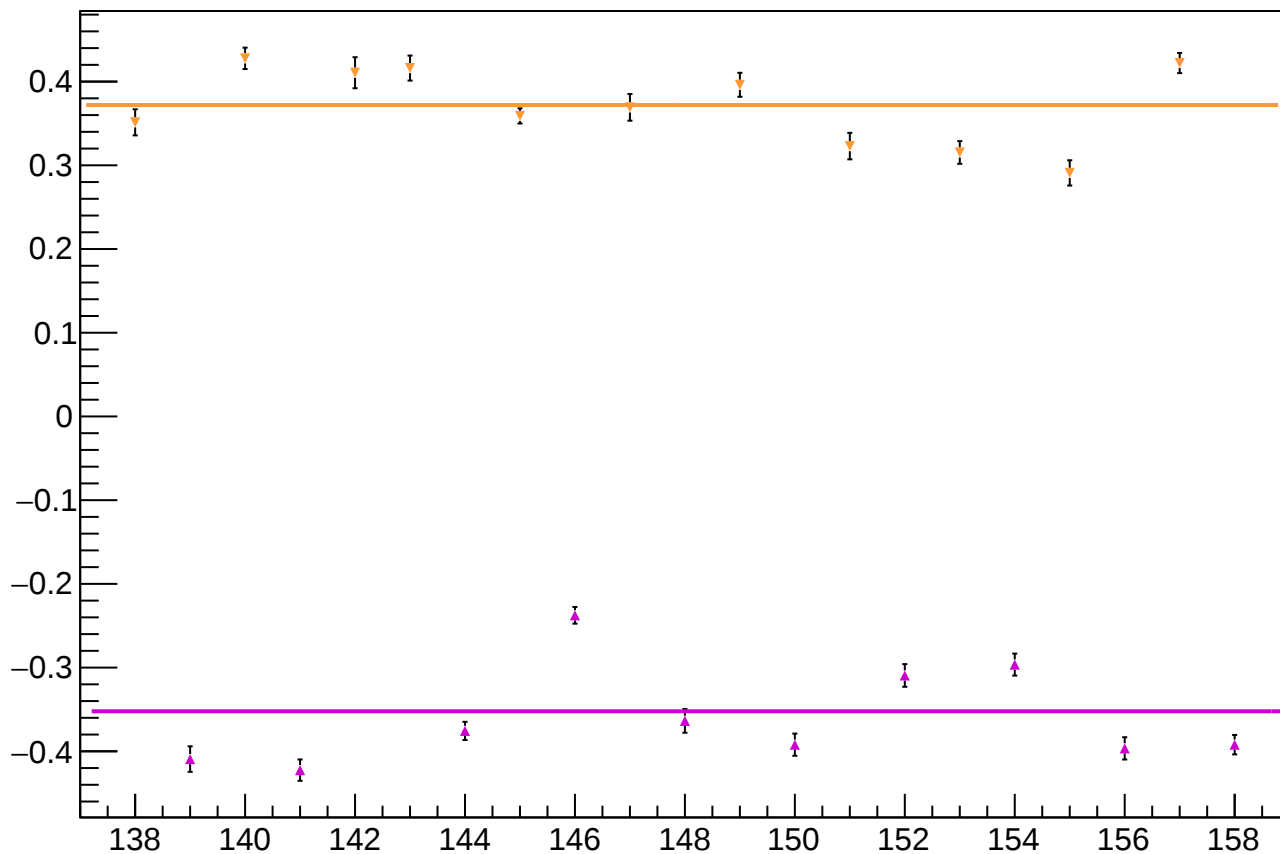
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

6.653+/-0.086 χ^2/NDF : 2766.3/10
 -1.374+/-0.059 χ^2/NDF : 21922.1/20
 -8.514+/-0.081 χ^2/NDF : 2649.7/9

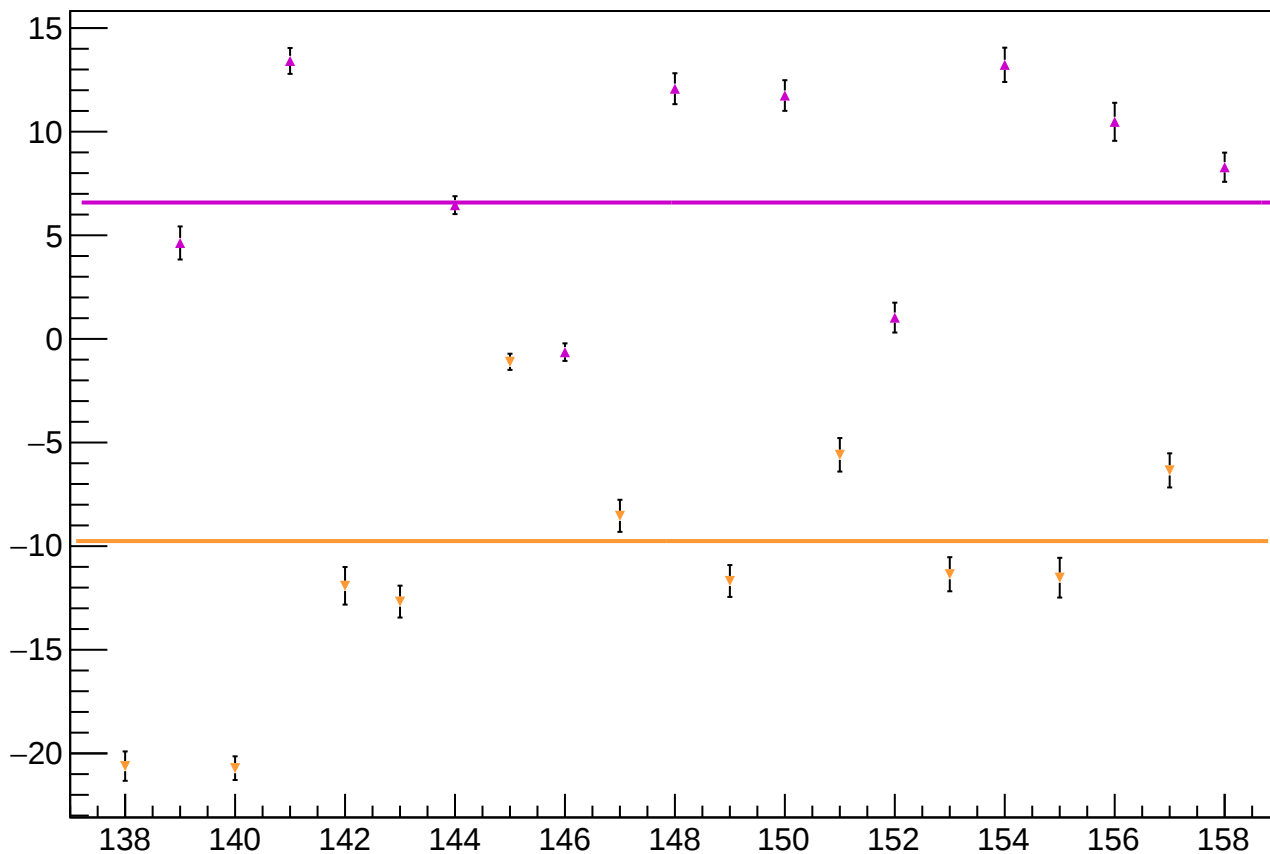
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.372 $\pm$ 0.004 χ^2 /NDF:112.2/10
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.352 $\pm$ 0.004 χ^2 /NDF:241.4/9

0.372 $\pm$ 0.004 χ^2 /NDF: 112.2/10
 -0.003 $\pm$ 0.003 χ^2 /NDF: 16510.9/20
 -0.352 $\pm$ 0.004 χ^2 /NDF: 241.4/9

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -9.755+/-0.206 χ^2/NDF : 1174.1/10

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

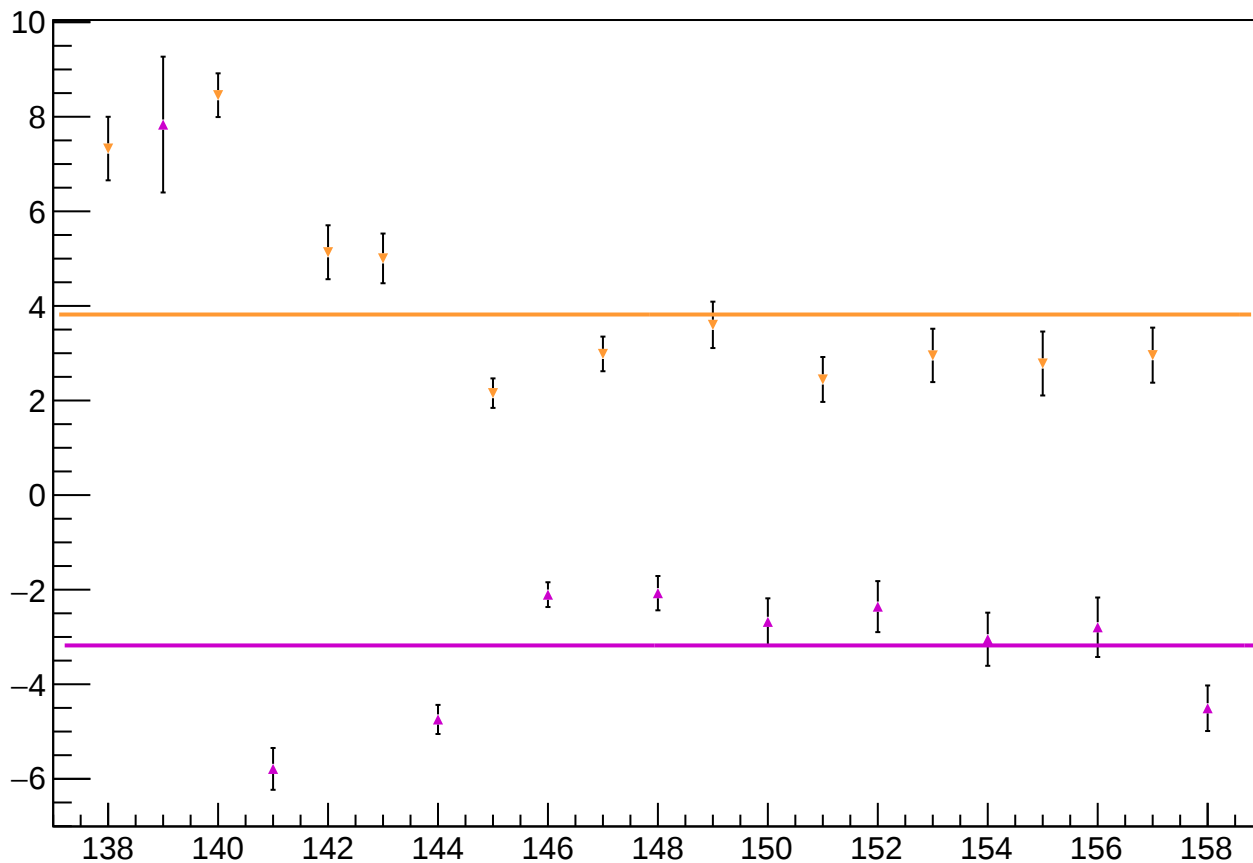
Left In: 6.581+/-0.199 χ^2/NDF : 665.8/9

-9.755+/-0.206 χ^2/NDF : 1174.1/10

-1.286+/-0.143 χ^2/NDF : 5086.7/20

6.581+/-0.199 χ^2/NDF : 665.8/9

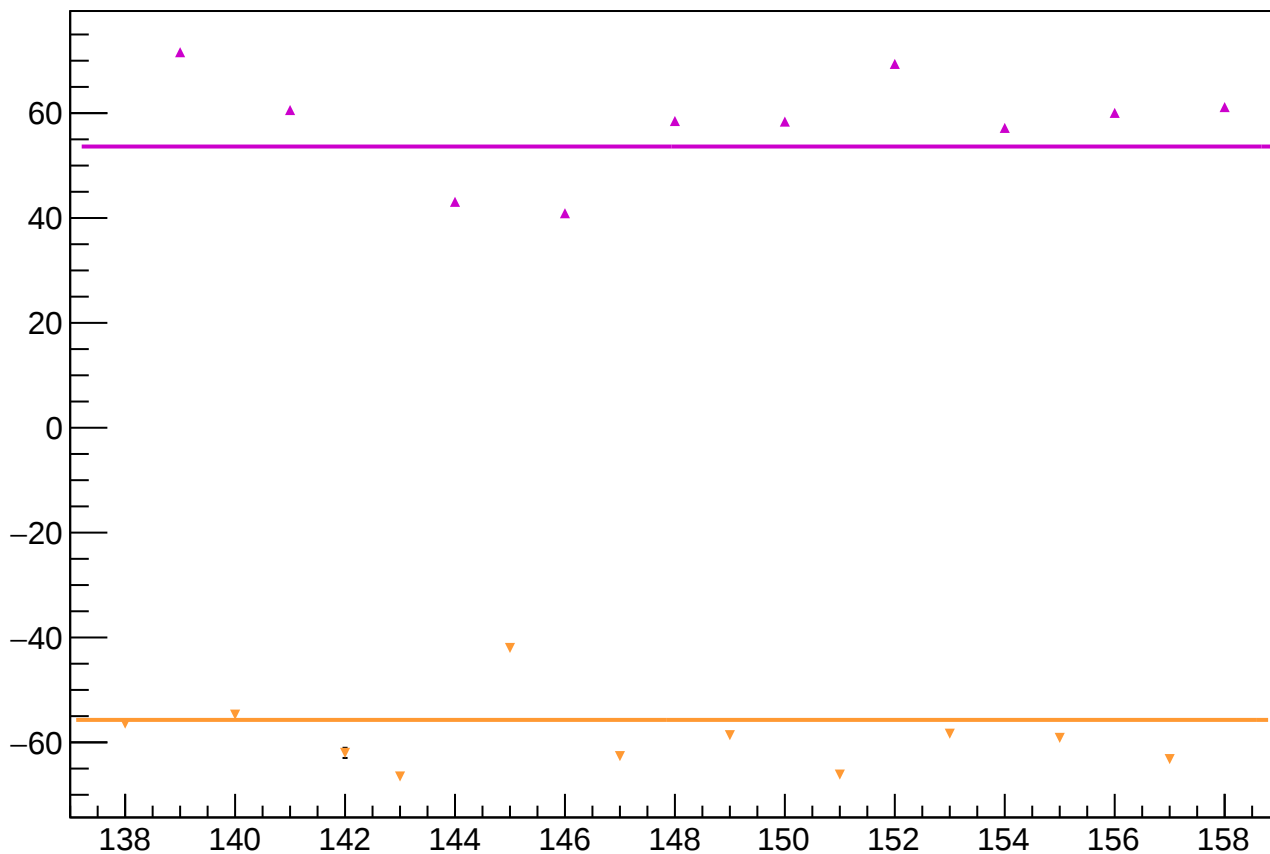
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.818 $\pm$ 0.144 χ^2 /NDF:187.3/10
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -3.179 $\pm$ 0.134 χ^2 /NDF:157.0/9

3.818 $\pm$ 0.144 χ^2 /NDF: 187.3/10
 0.063 $\pm$ 0.098 χ^2 /NDF: 1610.8/20
 -3.179 $\pm$ 0.134 χ^2 /NDF: 157.0/9

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -55.717+/-0.209 χ^2/NDF :1720.0/10

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

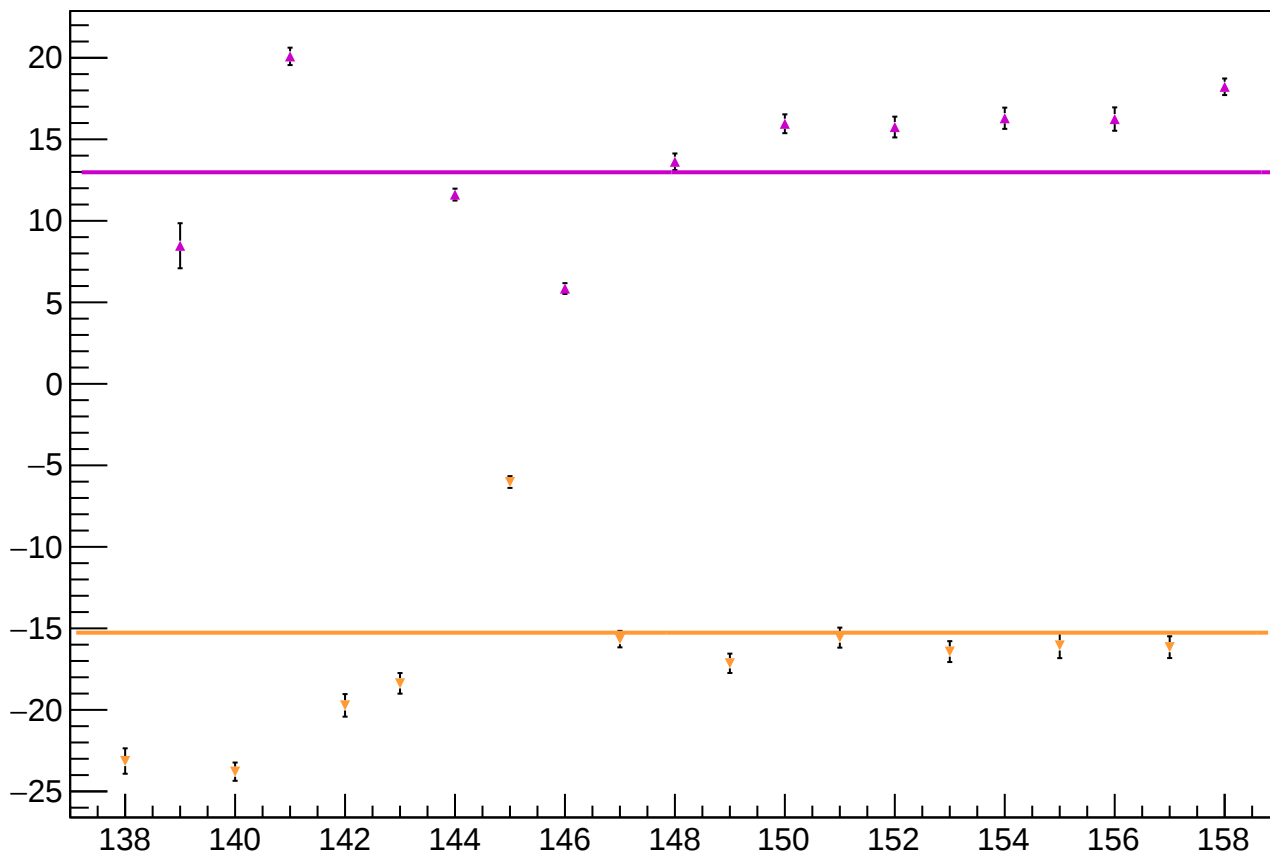
Left In: 53.632+/-0.196 χ^2/NDF :2865.5/9

-55.717+/-0.209 χ^2/NDF : 1720.0/10

2.320+/-0.143 χ^2/NDF : 150265.7/20

53.632+/-0.196 χ^2/NDF : 2865.5/9

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -15.264+/-0.175 χ^2/NDF :1072.1/10

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

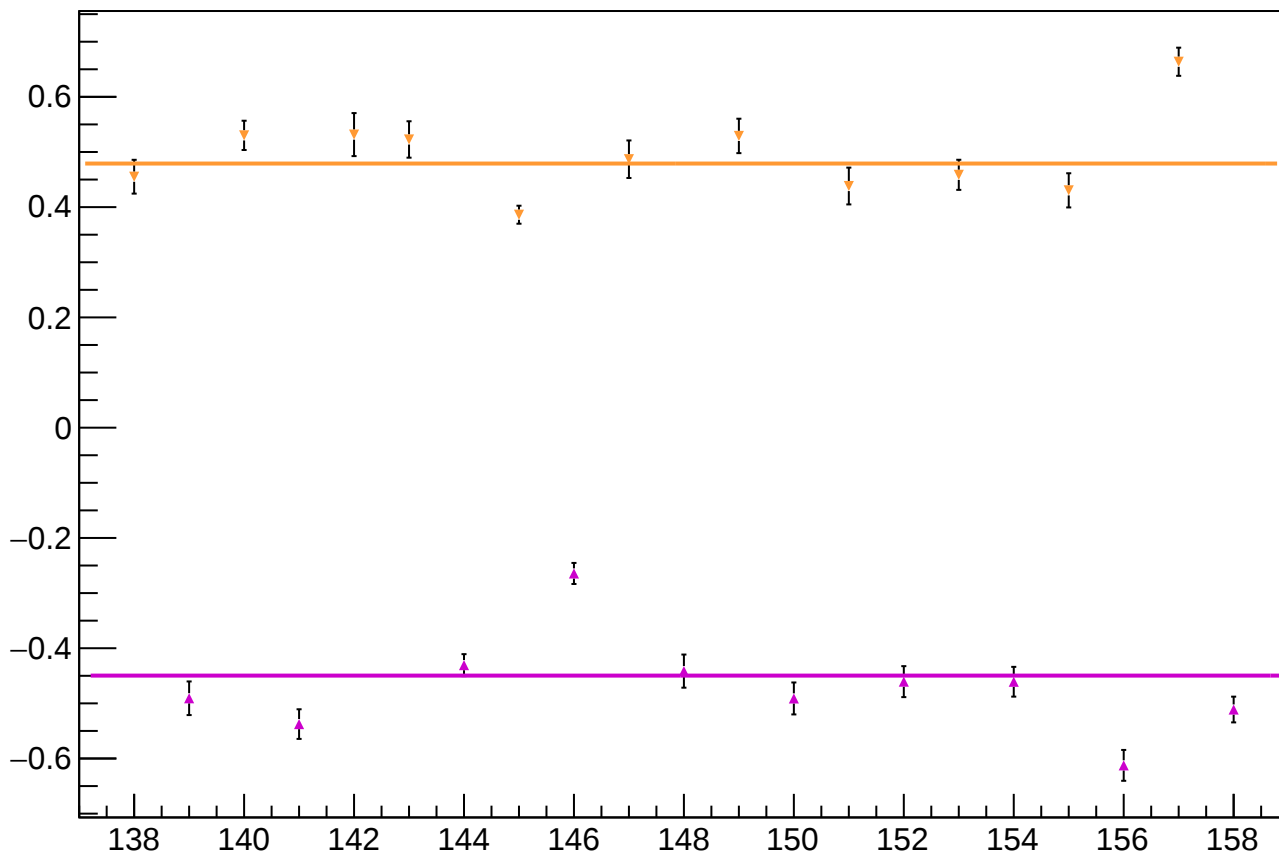
Left In: 12.978+/-0.162 χ^2/NDF :866.1/9

-15.264+/-0.175 χ^2/NDF : 1072.1/10

-0.080+/-0.119 χ^2/NDF : 16008.6/20

12.978+/-0.162 χ^2/NDF : 866.1/9

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: 0.479 $\pm$ 0.008 χ^2 /NDF: 99.7/10

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

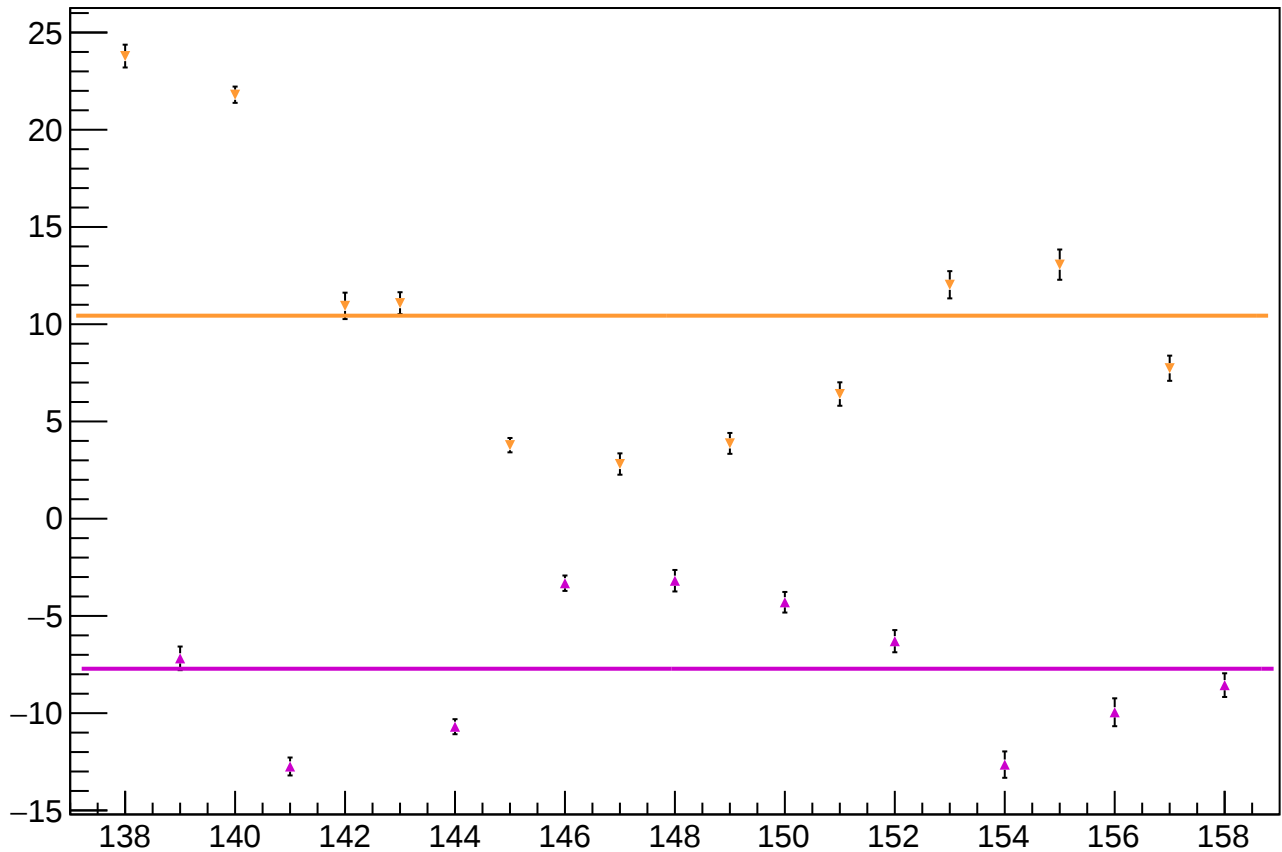
Left In: -0.450 $\pm$ 0.008 χ^2 /NDF: 150.9/9

0.479 $\pm$ 0.008 χ^2 /NDF: 99.7/10

-0.004 $\pm$ 0.006 χ^2 /NDF: 6771.0/20

-0.450 $\pm$ 0.008 χ^2 /NDF: 150.9/9

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 10.439+/-0.165 χ^2/NDF :2003.4/10

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

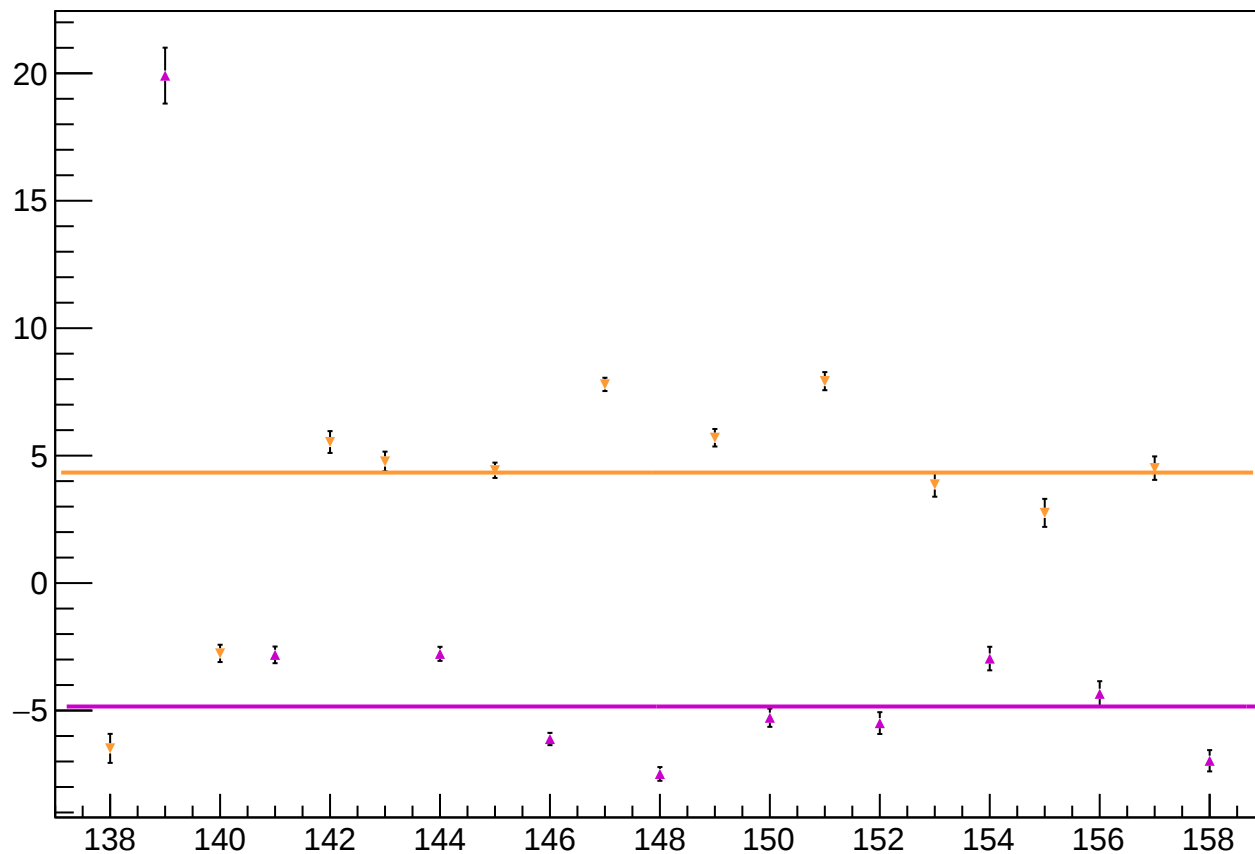
Left In: -7.715+/-0.164 χ^2/NDF :481.8/9

10.439+/-0.165 χ^2/NDF : 2003.4/10

1.322+/-0.116 χ^2/NDF : 8589.6/20

-7.715+/-0.164 χ^2/NDF : 481.8/9

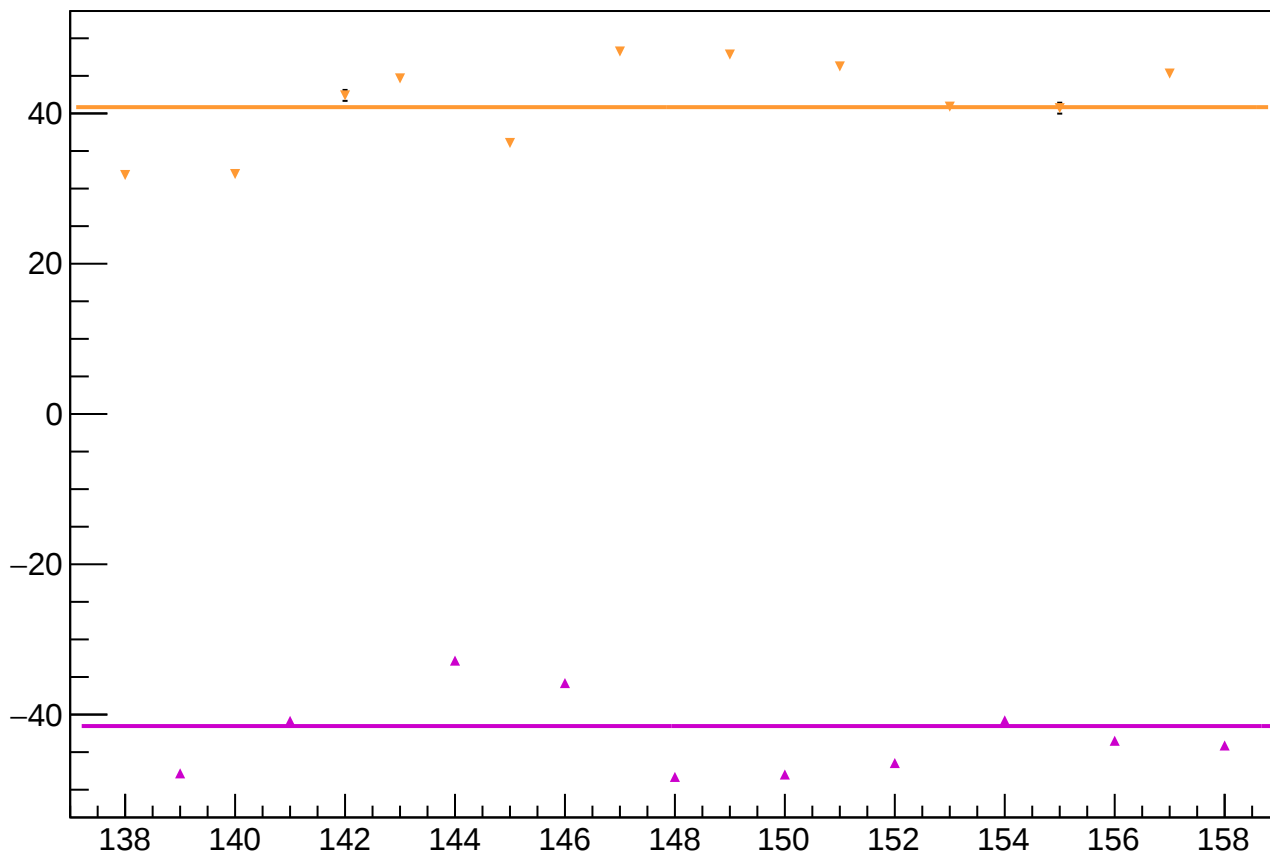
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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
 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

4.336 $\pm$ 0.113 χ^2 /NDF: 1110.4/10
 -0.358 $\pm$ 0.079 χ^2 /NDF: 5266.0/20
 -4.842 $\pm$ 0.110 χ^2 /NDF: 775.8/9

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: 40.836+/-0.165 χ^2/NDF :1342.0/10

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

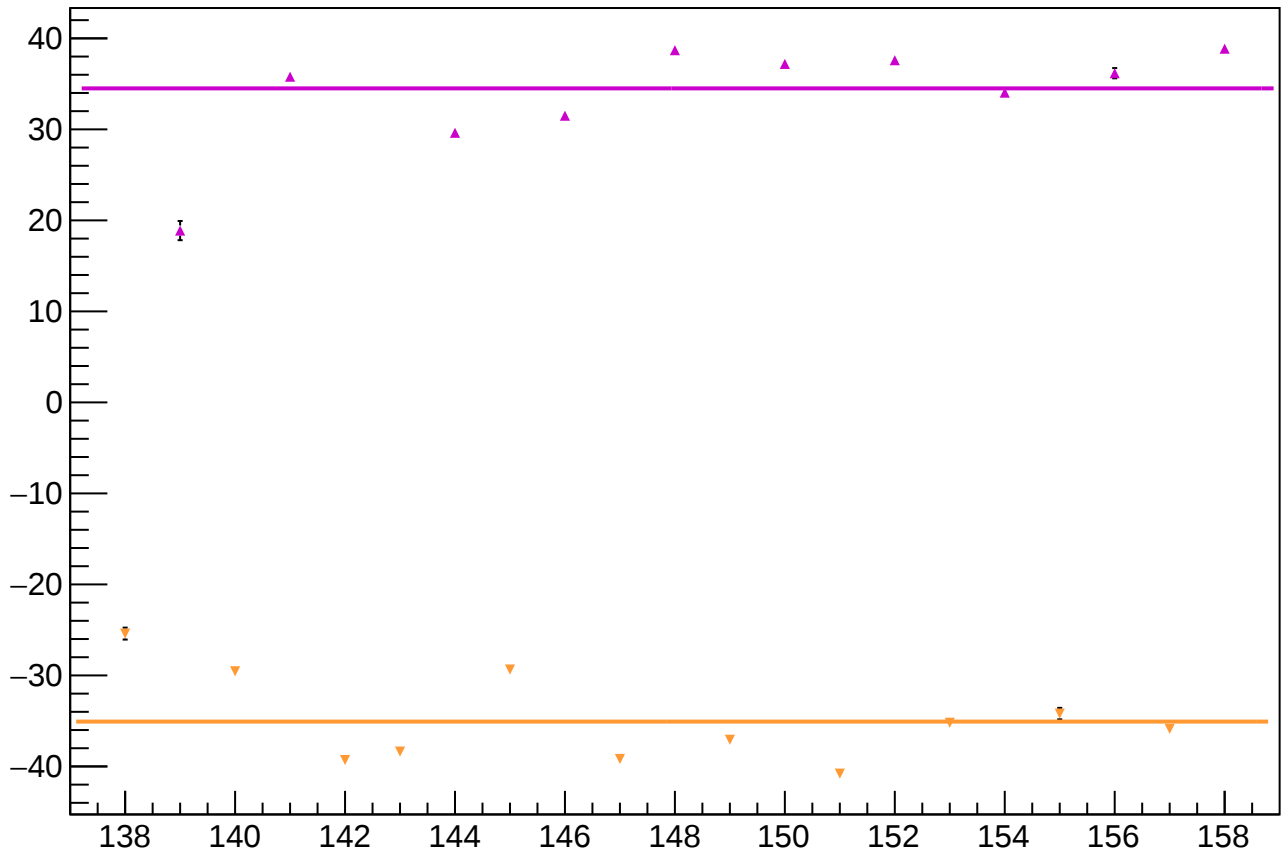
Left In: -41.529+/-0.162 χ^2/NDF :1214.9/9

40.836+/-0.165 χ^2/NDF : 1342.0/10

-1.329+/-0.116 χ^2/NDF : 129484.3/20

-41.529+/-0.162 χ^2/NDF : 1214.9/9

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -35.072+/-0.138 χ^2/NDF : 1101.2/10

-35.072+/-0.138 χ^2/NDF : 1101.2/10

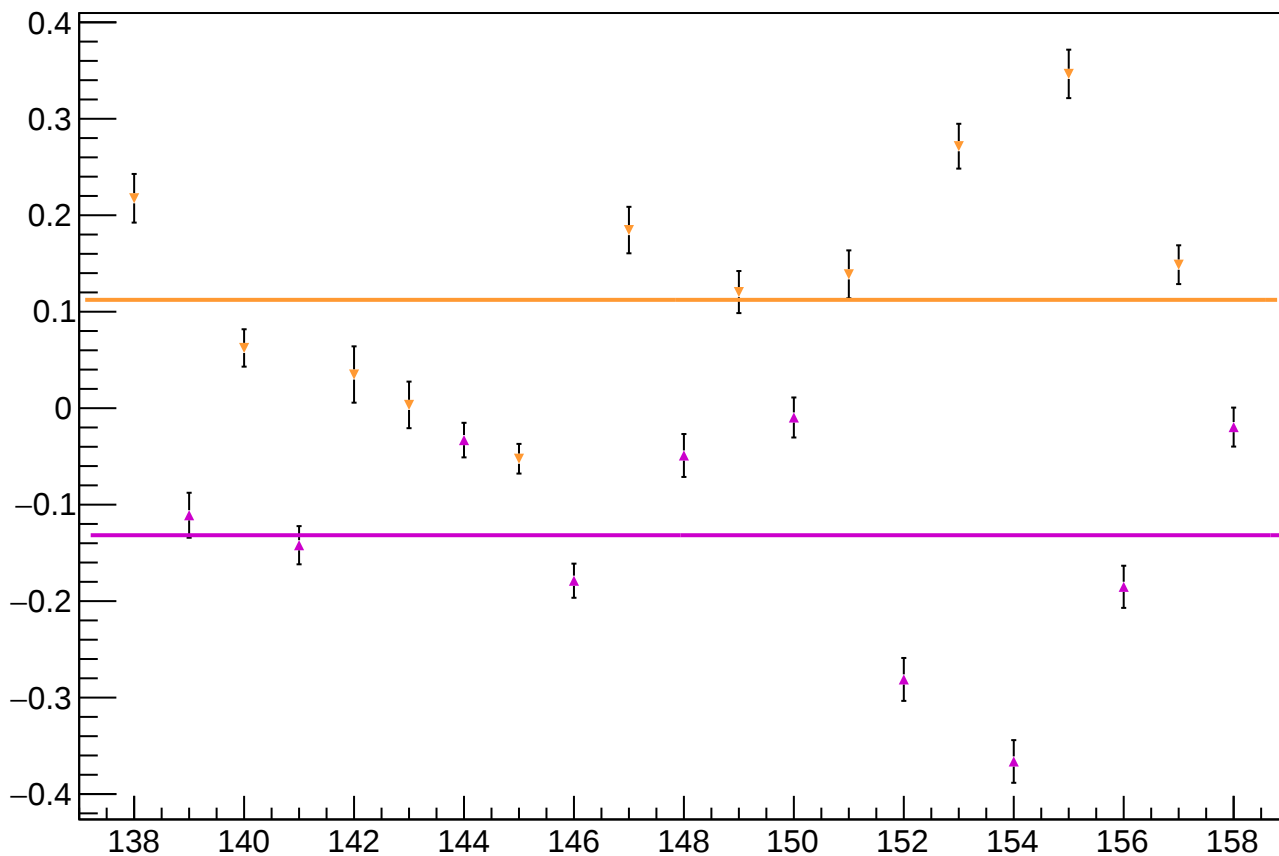
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.784+/-0.096 χ^2/NDF : 133407.5/20

Left In: 34.504+/-0.134 χ^2/NDF : 860.2/9

34.504+/-0.134 χ^2/NDF : 860.2/9

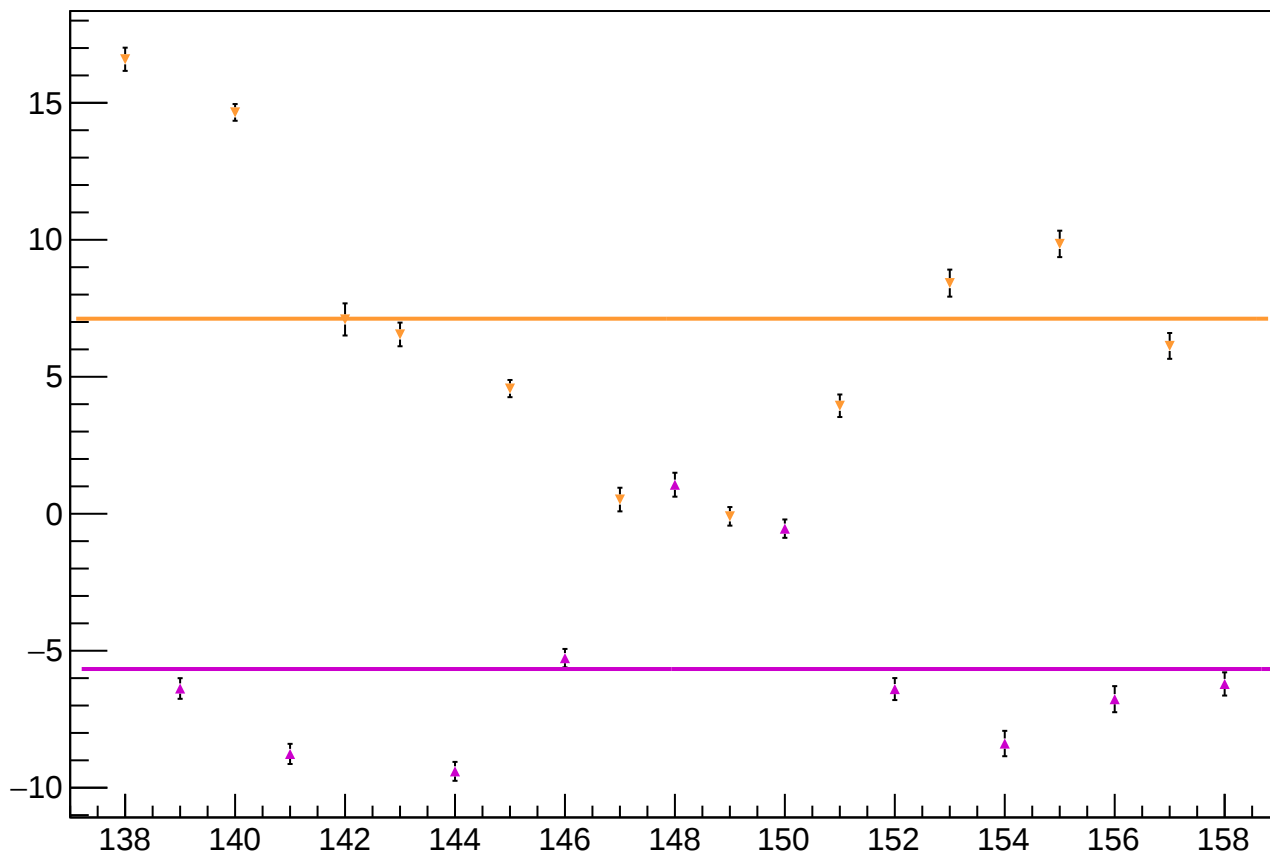
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.112 $\pm$ 0.007 χ^2 /NDF: 313.7/10
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.132 $\pm$ 0.007 χ^2 /NDF: 281.2/9

0.112 $\pm$ 0.007 χ^2 /NDF: 313.7/10
 -0.012 $\pm$ 0.005 χ^2 /NDF: 1284.7/20
 -0.132 $\pm$ 0.007 χ^2 /NDF: 281.2/9

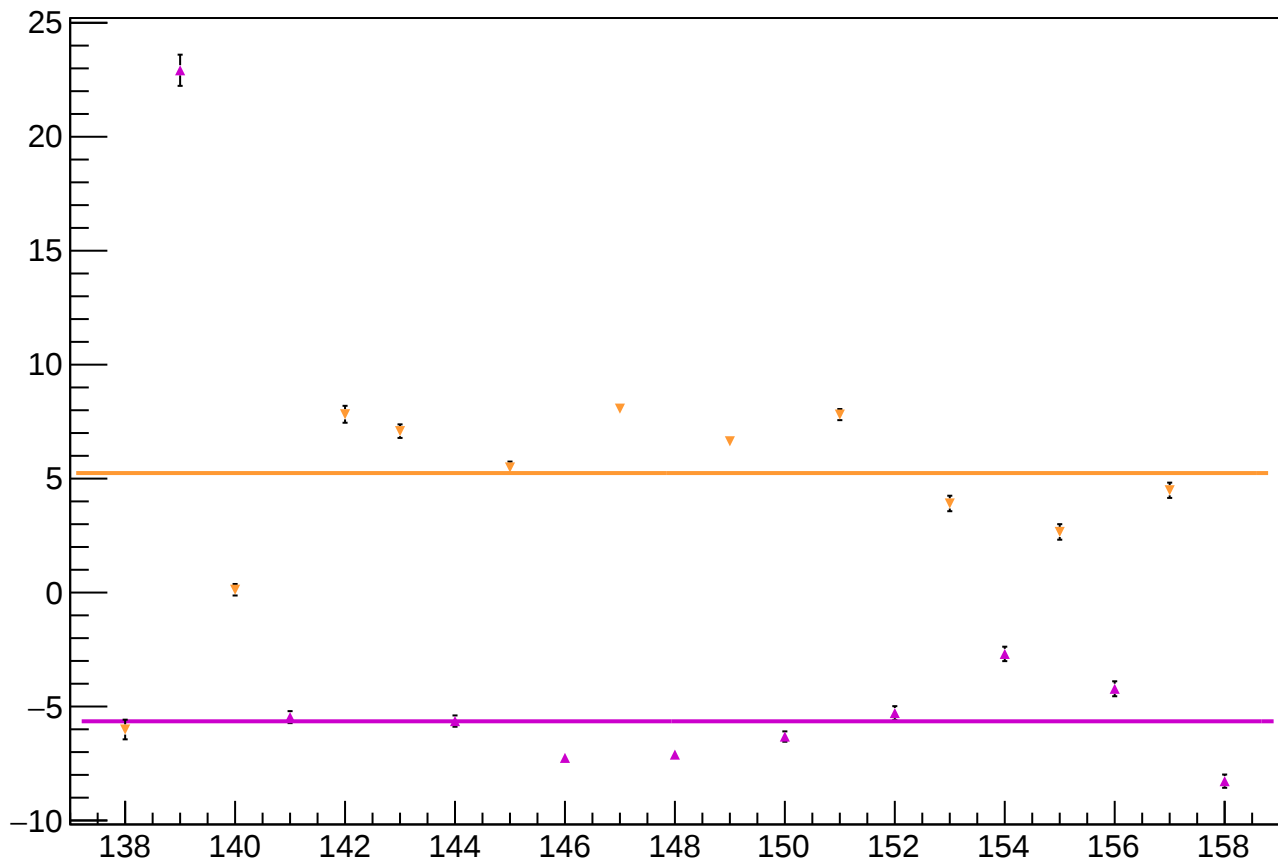
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 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
 0.769+/-0.086 χ^2/NDF : 8167.1/20
 -5.667+/-0.122 χ^2/NDF : 709.2/9

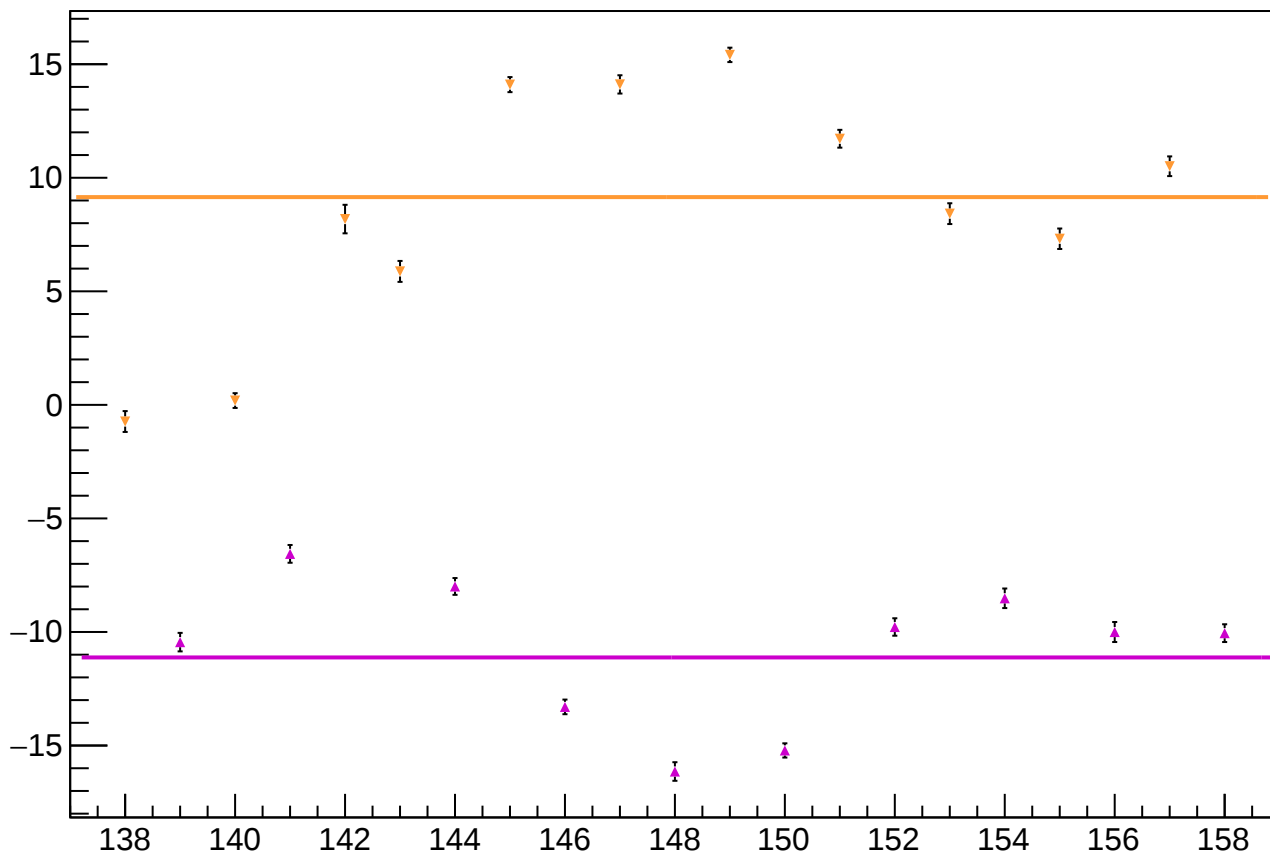
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.244 $\pm$ 0.084 χ^2 /NDF: 1592.4/10
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -5.649 $\pm$ 0.085 χ^2 /NDF: 2042.7/9

5.244 $\pm$ 0.084 χ^2 /NDF: 1592.4/10
 -0.128 $\pm$ 0.060 χ^2 /NDF: 11916.5/20
 -5.649 $\pm$ 0.085 χ^2 /NDF: 2042.7/9

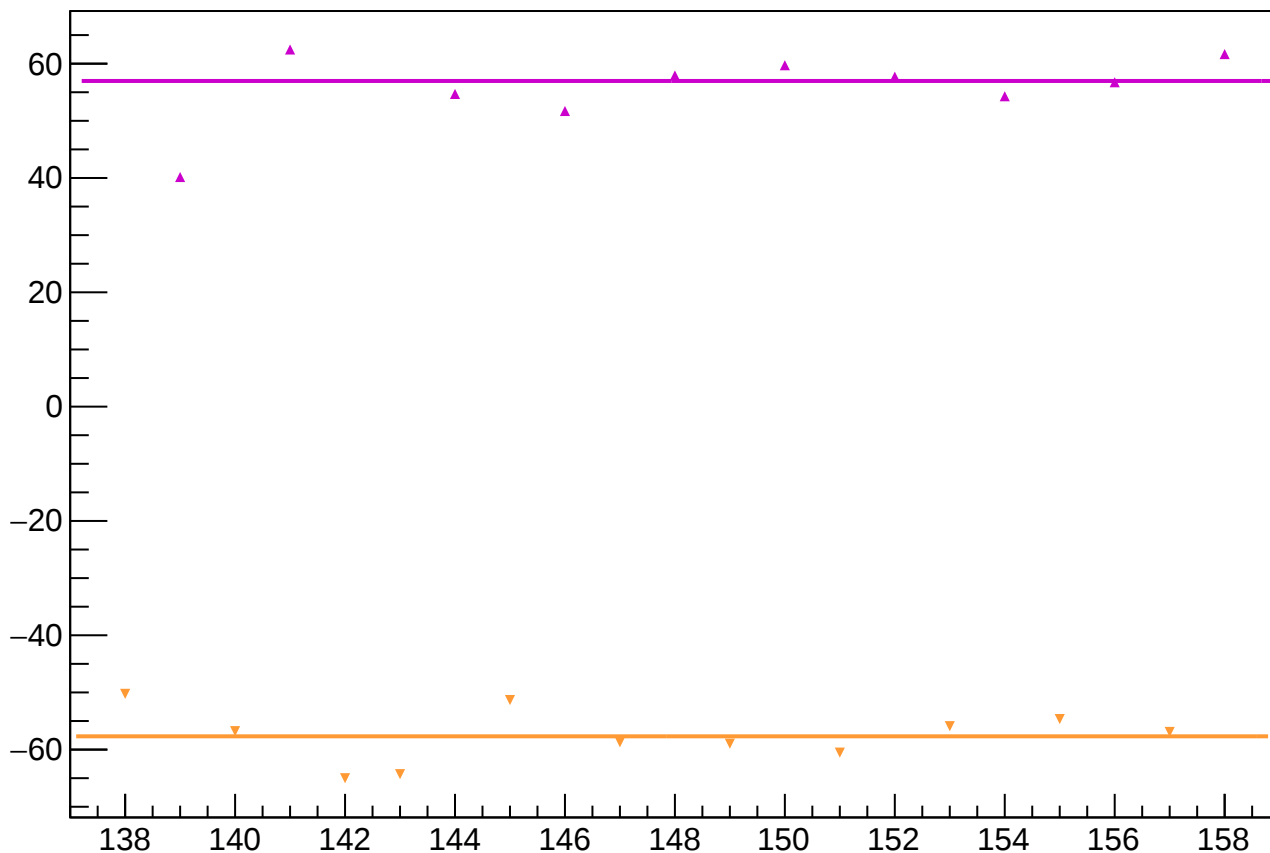
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 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
 -1.088 $\pm$ 0.085 χ^2 /NDF: 16890.4/20
 -11.121 $\pm$ 0.120 χ^2 /NDF: 639.9/9

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -57.677+/-0.102 χ^2/NDF :1507.7/10

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

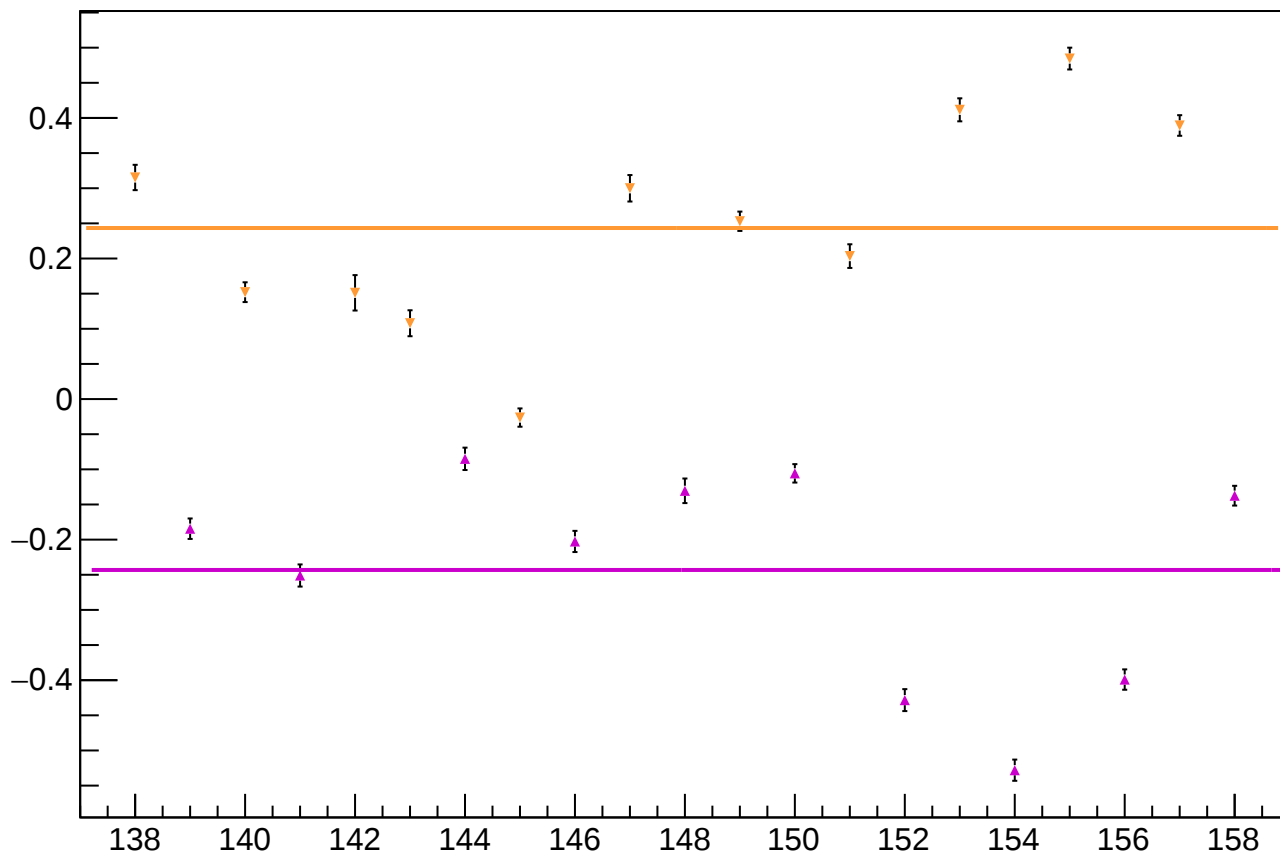
Left In: 56.974+/-0.102 χ^2/NDF :1819.2/9

-57.677+/-0.102 χ^2/NDF : 1507.7/10

-0.102+/-0.072 χ^2/NDF : 637875.8/20

56.974+/-0.102 χ^2/NDF : 1819.2/9

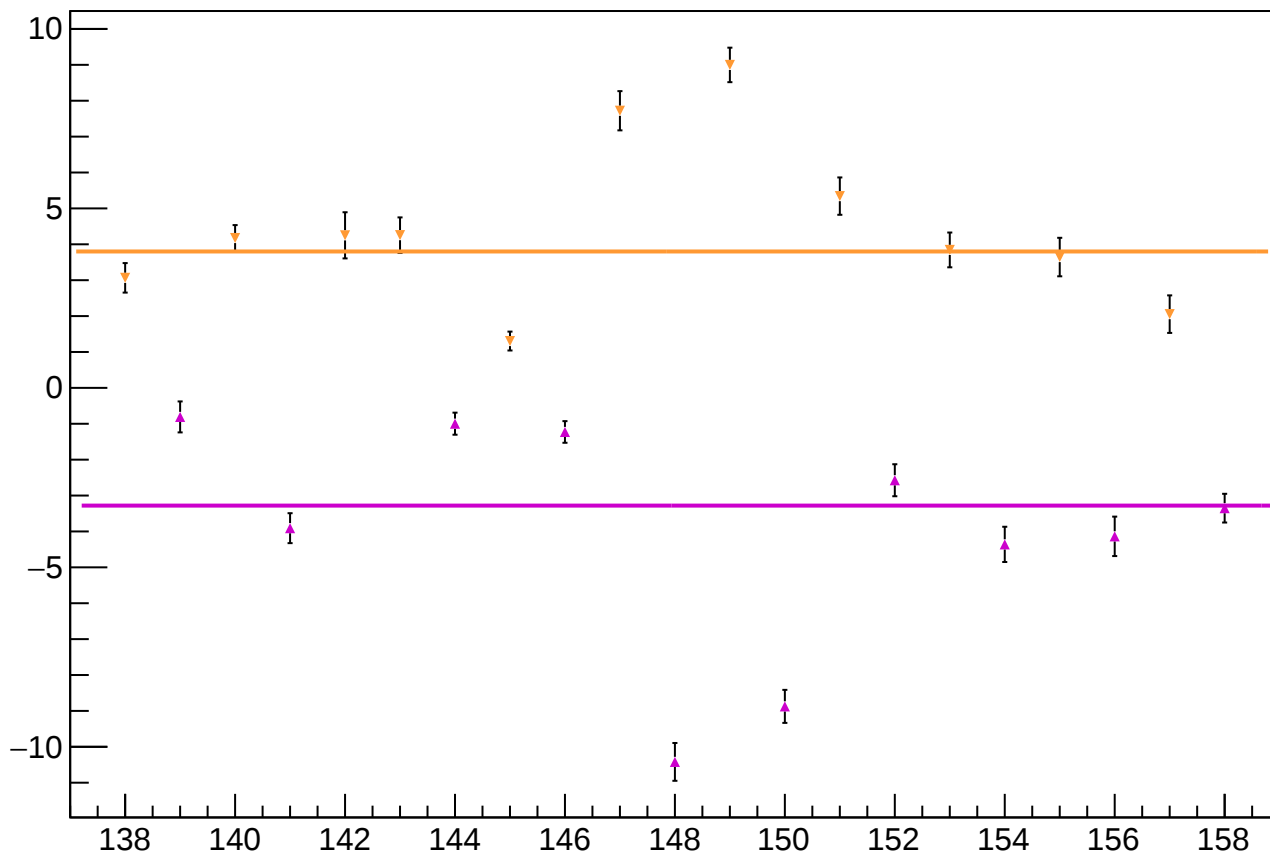
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.243+/-0.005 χ^2/NDF : 1015.9/10
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.243+/-0.005 χ^2/NDF : 943.3/9

0.243+/-0.005 χ^2/NDF : 1015.9/10
 -0.005+/-0.003 χ^2/NDF : 7118.1/20
 -0.243+/-0.005 χ^2/NDF : 943.3/9

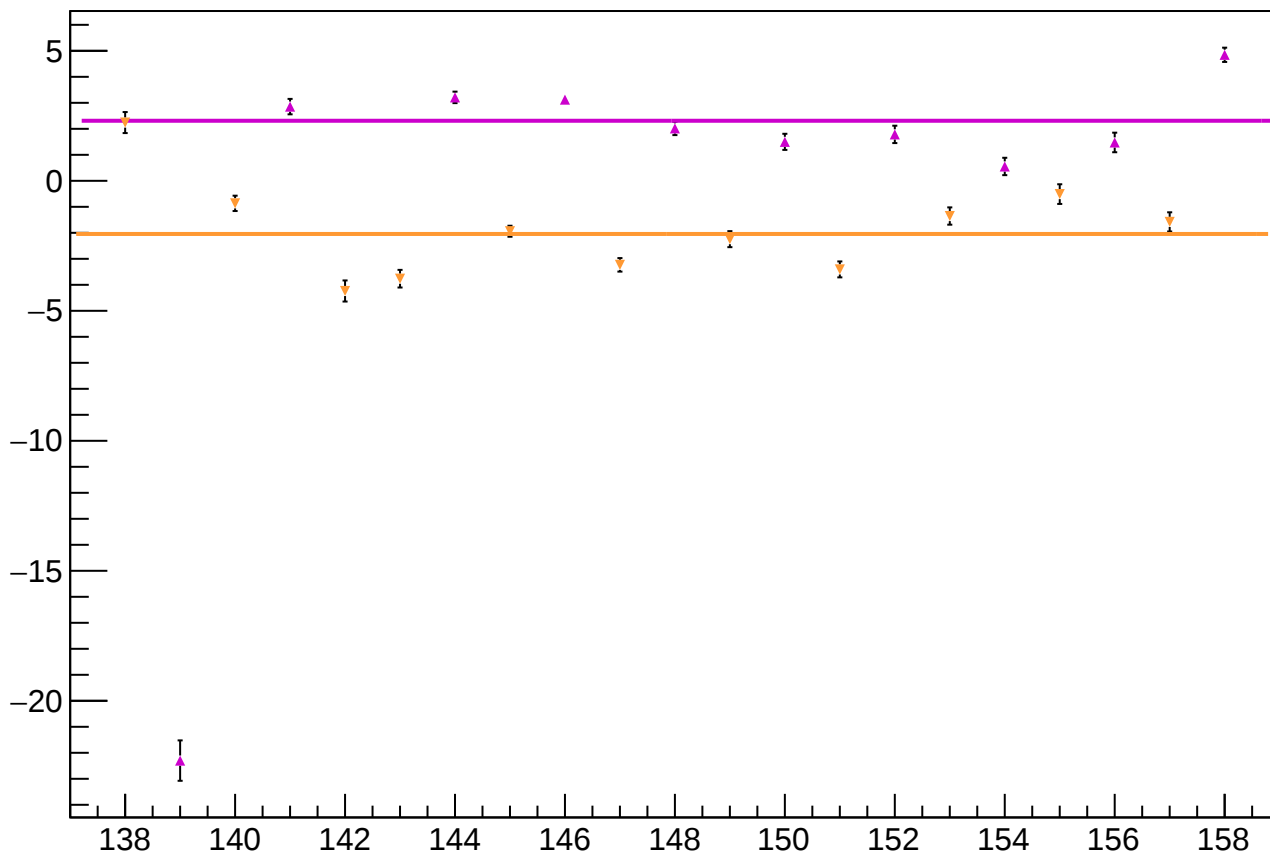
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.800 $\pm$ 0.132 χ^2 /NDF:284.1/10
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -3.280 $\pm$ 0.129 χ^2 /NDF:478.1/9

3.800 $\pm$ 0.132 χ^2 /NDF: 284.1/10
 0.186 $\pm$ 0.092 χ^2 /NDF: 2229.3/20
 -3.280 $\pm$ 0.129 χ^2 /NDF: 478.1/9

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: -2.044+/-0.094 χ^2/NDF : 246.9/10

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

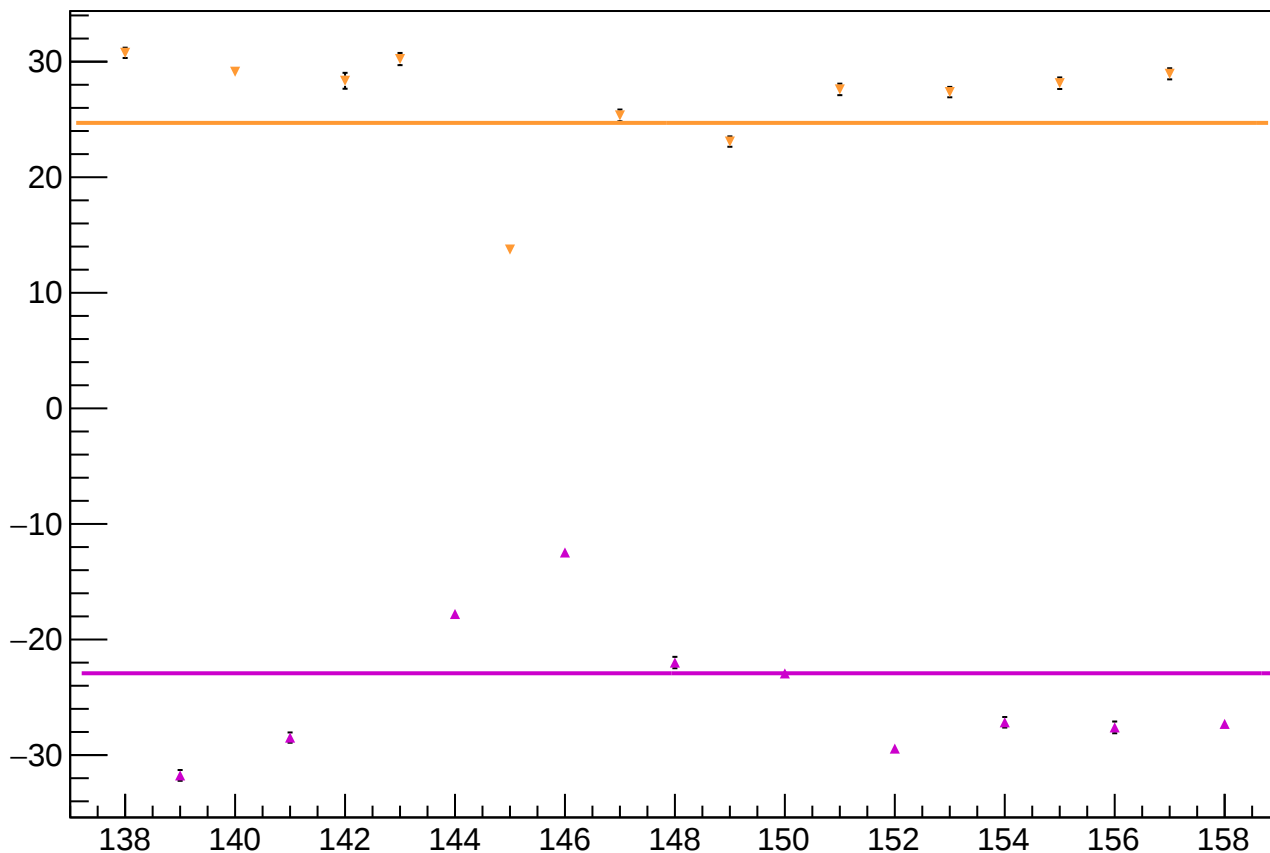
Left In: 2.310+/-0.090 χ^2/NDF : 1169.0/9

-2.044+/-0.094 χ^2/NDF : 246.9/10

0.222+/-0.065 χ^2/NDF : 2542.0/20

2.310+/-0.090 χ^2/NDF : 1169.0/9

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: 24.703+/-0.133 χ^2/NDF : 2192.5/10

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

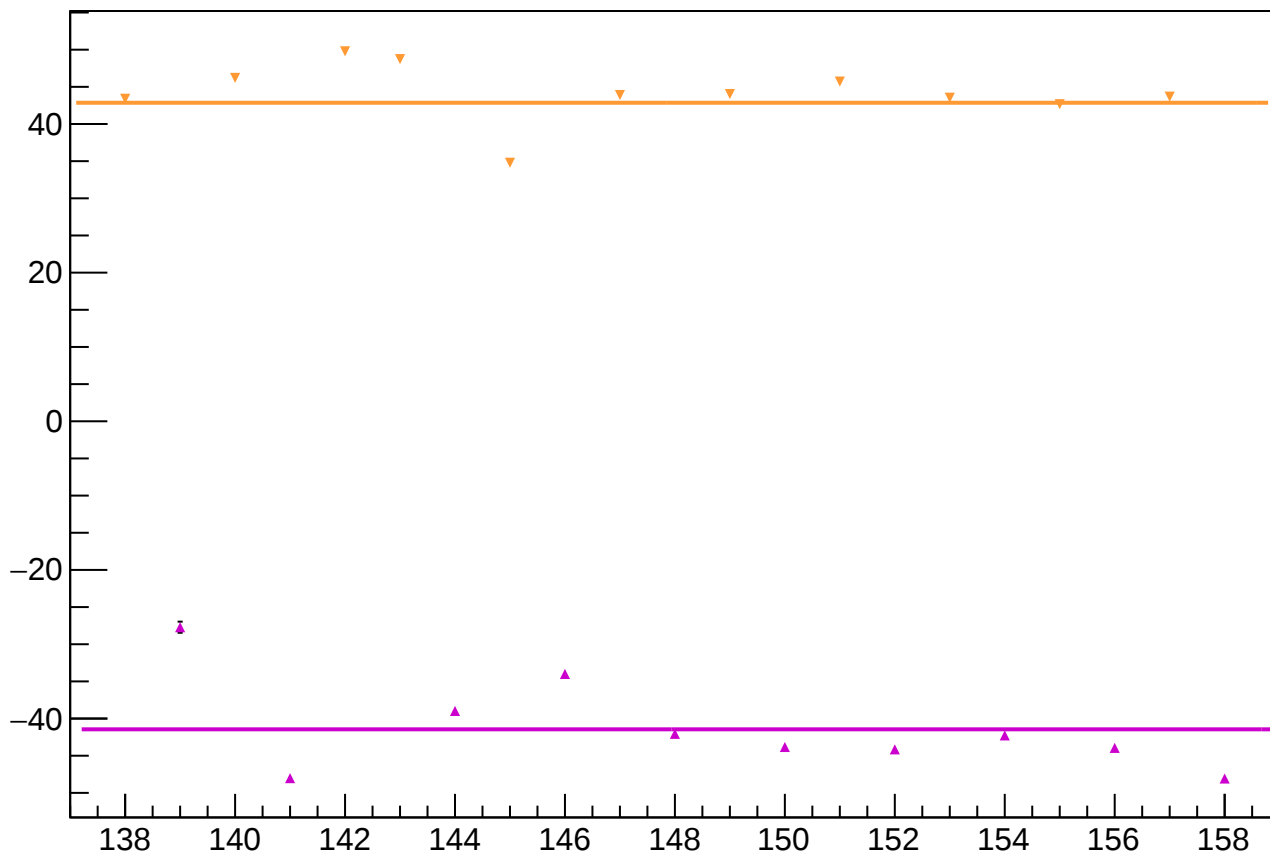
Left In: -22.921+/-0.127 χ^2/NDF : 2605.3/9

24.703+/-0.133 χ^2/NDF : 2192.5/10

-0.203+/-0.092 χ^2/NDF : 71614.1/20

-22.921+/-0.127 χ^2/NDF : 2605.3/9

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 42.860+/-0.113 χ^2/NDF : 1666.7/10

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

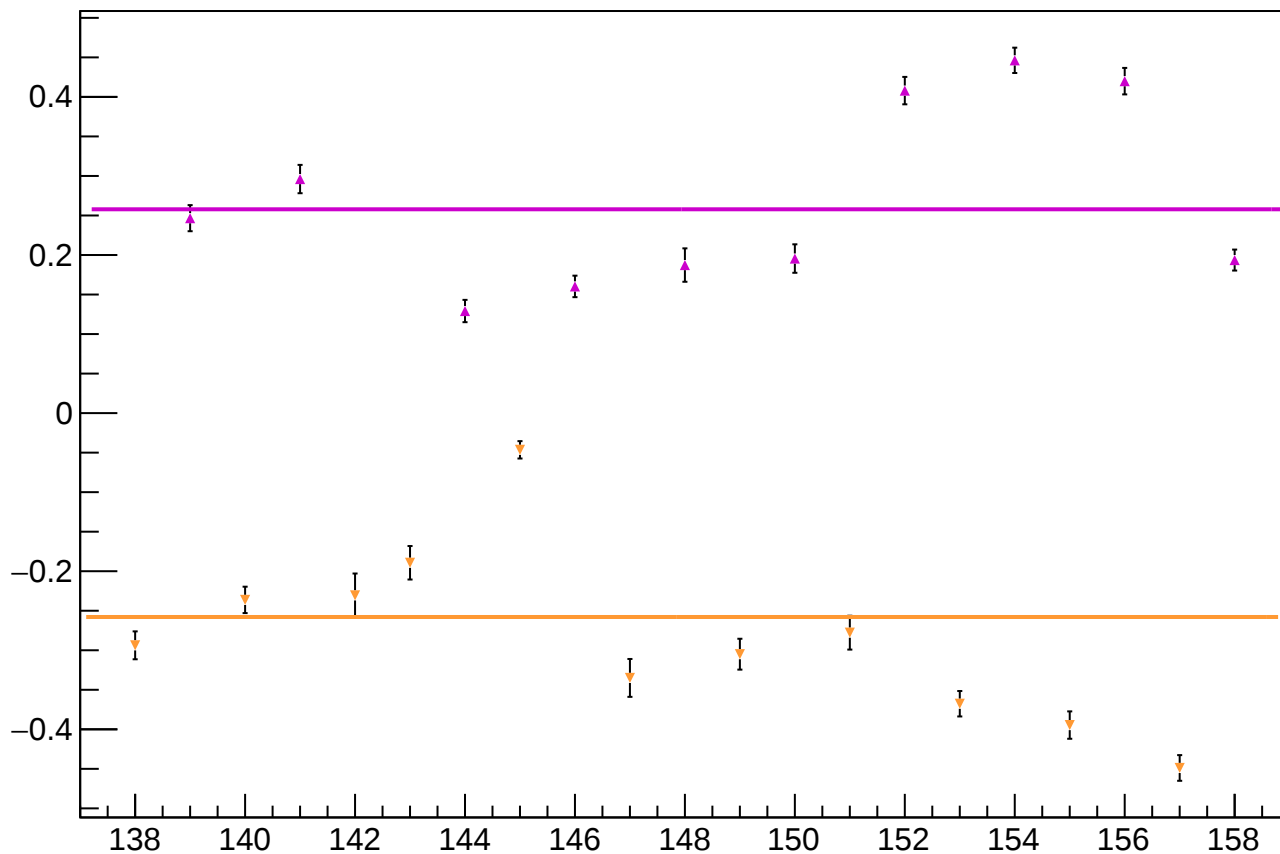
Left In: -41.449+/-0.107 χ^2/NDF : 2378.7/9

42.860+/-0.113 χ^2/NDF : 1666.7/10

-1.524+/-0.078 χ^2/NDF : 298619.3/20

-41.449+/-0.107 χ^2/NDF : 2378.7/9

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: -0.258+/-0.005 χ^2/NDF : 651.9/10

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

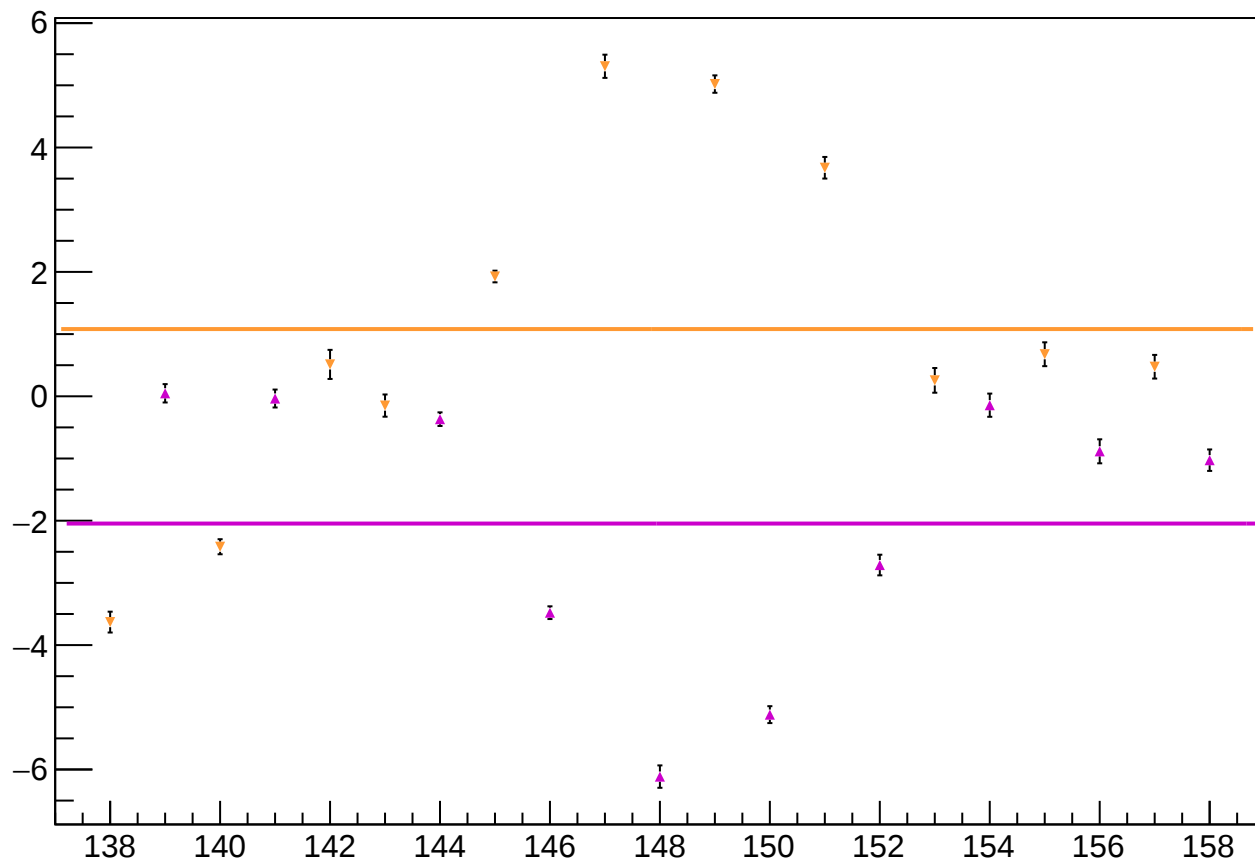
Left In: 0.258+/-0.005 χ^2/NDF : 493.2/9

-0.258+/-0.005 χ^2/NDF : 651.9/10

0.010+/-0.004 χ^2/NDF : 6135.8/20

0.258+/-0.005 χ^2/NDF : 493.2/9

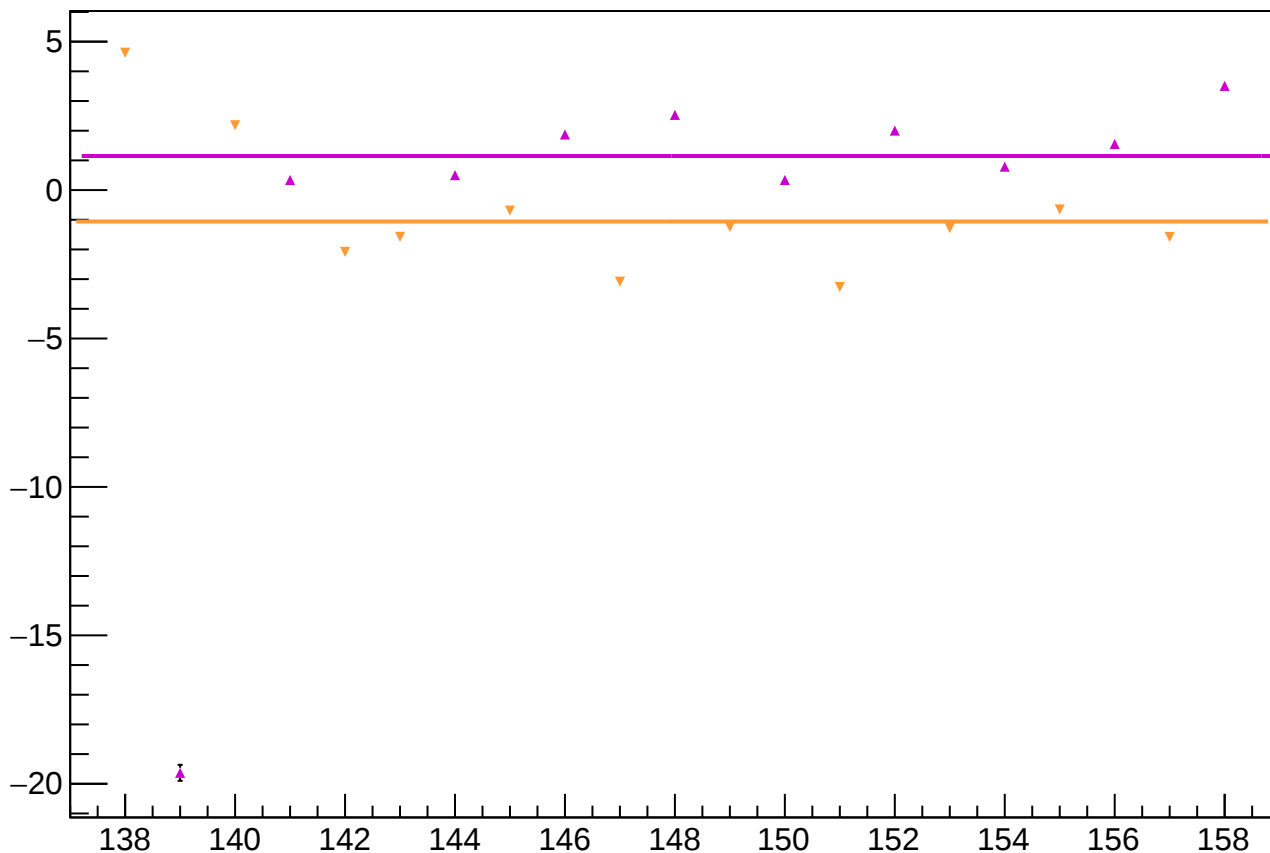
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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
 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

1.081 $\pm$ 0.047 χ^2 /NDF: 3319.1/10
 -0.522 $\pm$ 0.033 χ^2 /NDF: 7663.9/20
 -2.046 $\pm$ 0.045 χ^2 /NDF: 2040.2/9

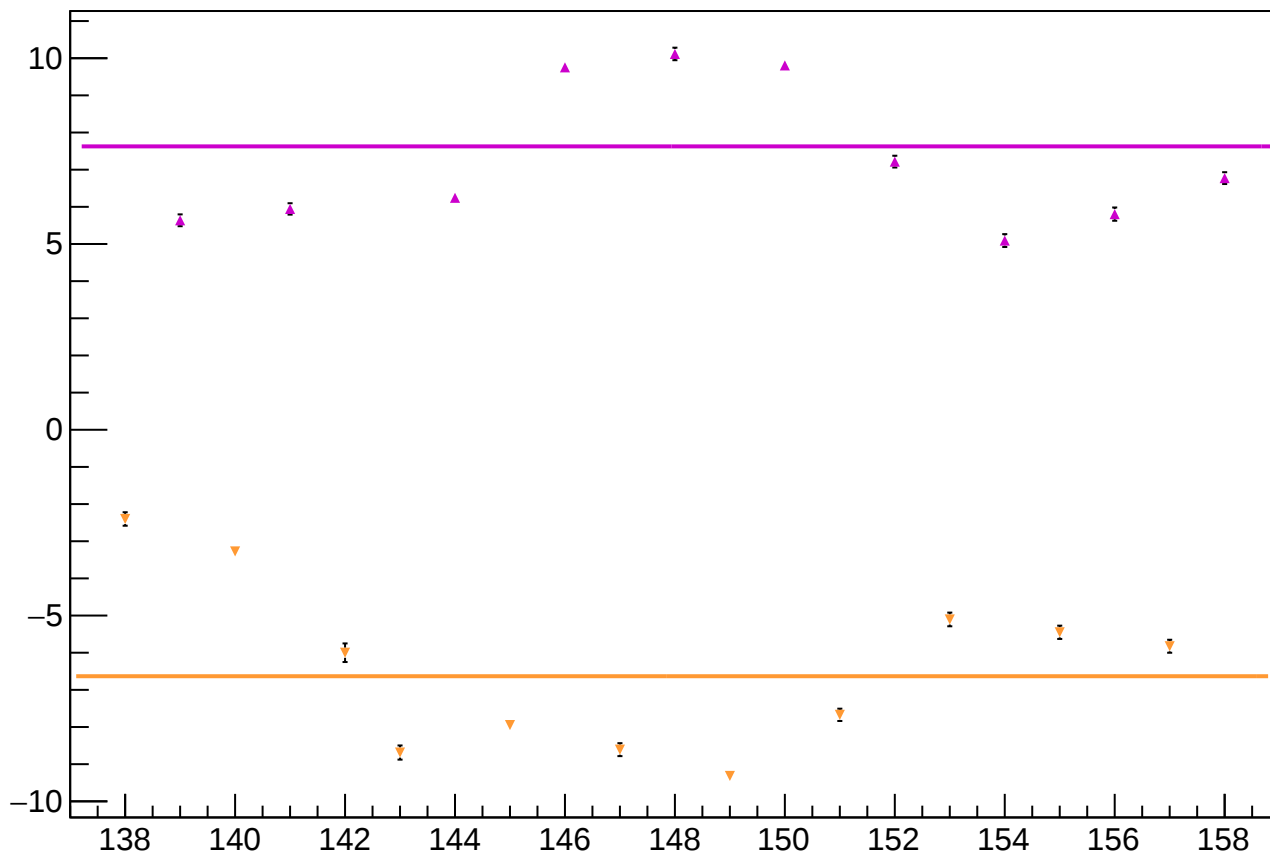
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

-1.059+/-0.033 χ^2/NDF : 3270.9/10
 0.085+/-0.023 χ^2/NDF : 12590.7/20
 1.147+/-0.032 χ^2/NDF : 6994.1/9

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -6.633+/-0.047 χ^2/NDF : 2238.6/10

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

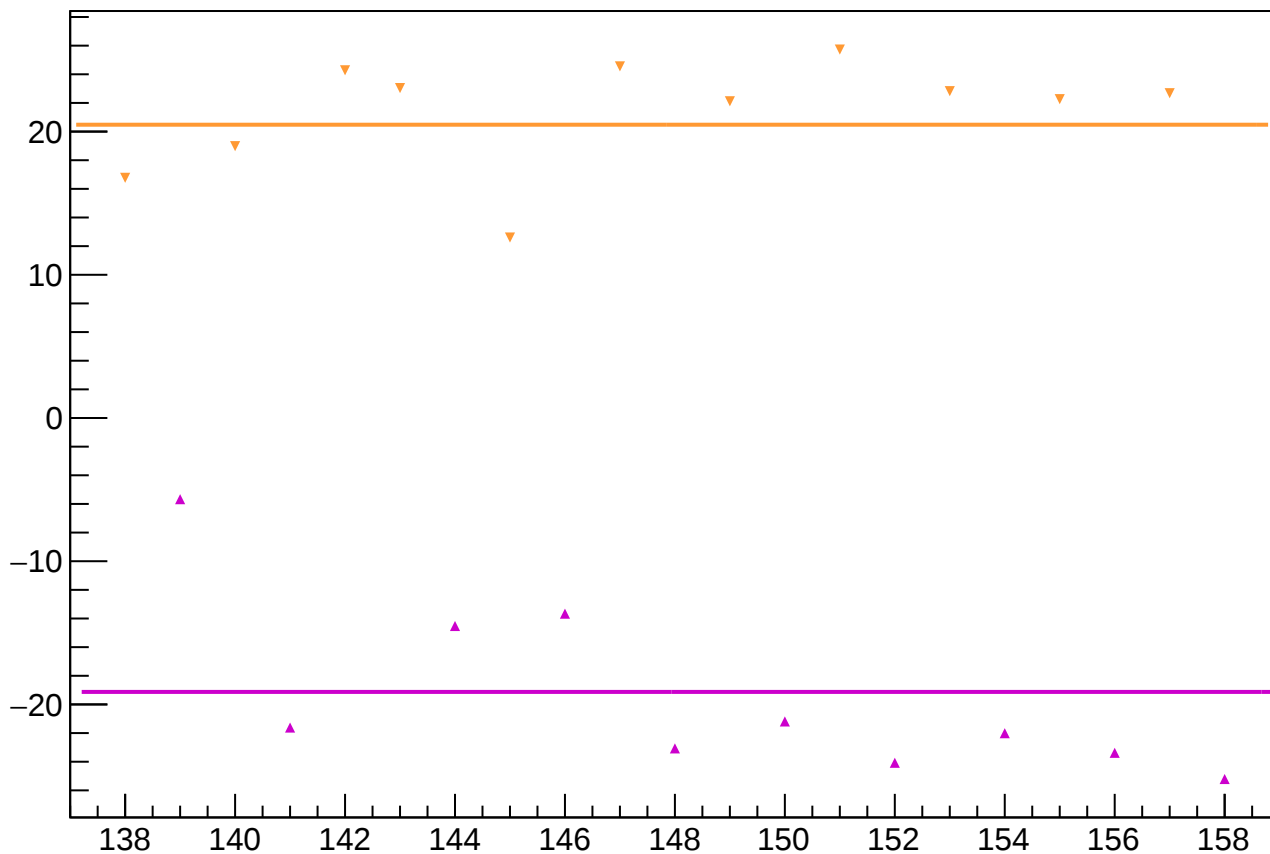
Left In: 7.627+/-0.045 χ^2/NDF : 1746.3/9

-6.633+/-0.047 χ^2/NDF : 2238.6/10

0.815+/-0.032 χ^2/NDF : 52377.9/20

7.627+/-0.045 χ^2/NDF : 1746.3/9

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 20.479+/-0.040 χ^2/NDF :12724.7/10

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

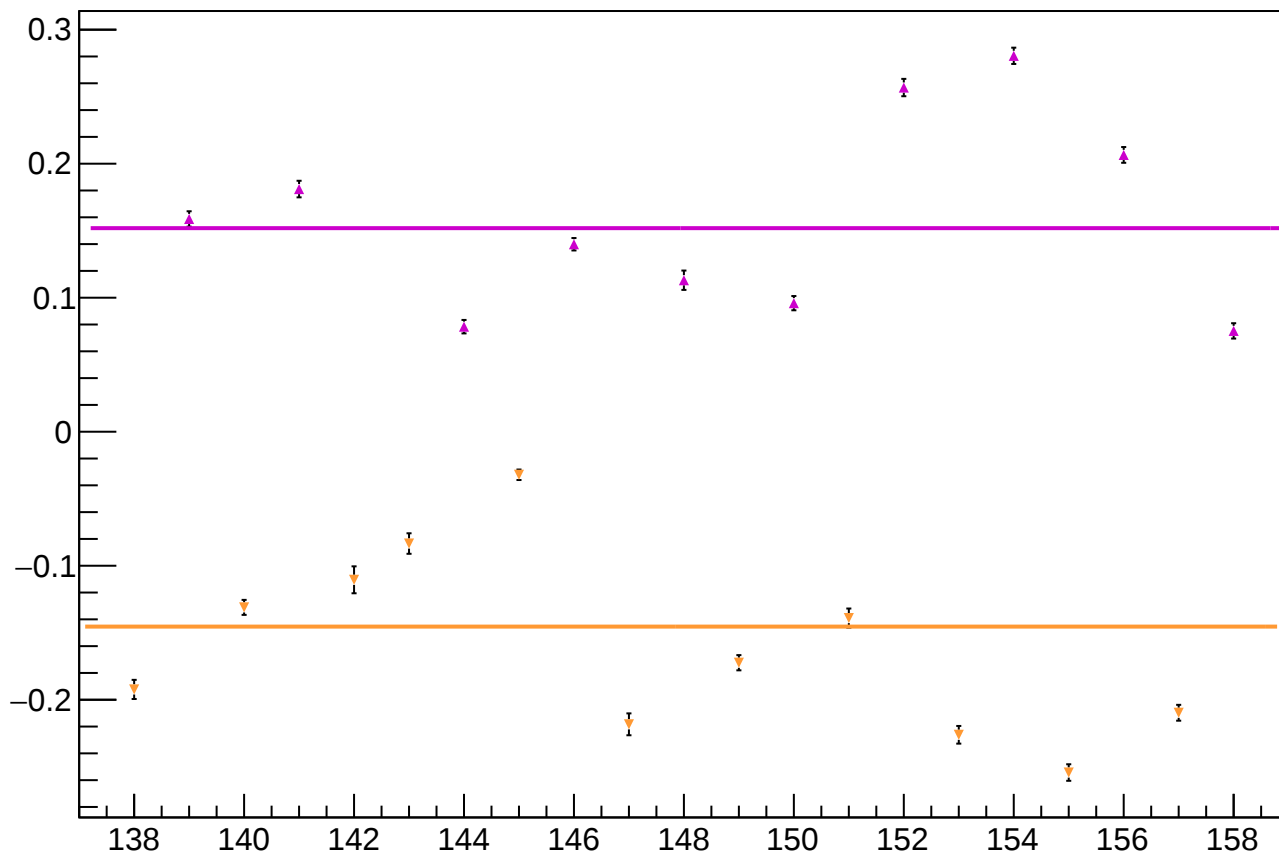
Left In: -19.126+/-0.038 χ^2/NDF :16016.5/9

20.479+/-0.040 χ^2/NDF : 12724.7/10

-0.256+/-0.027 χ^2/NDF : 549479.3/20

-19.126+/-0.038 χ^2/NDF : 16016.5/9

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

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

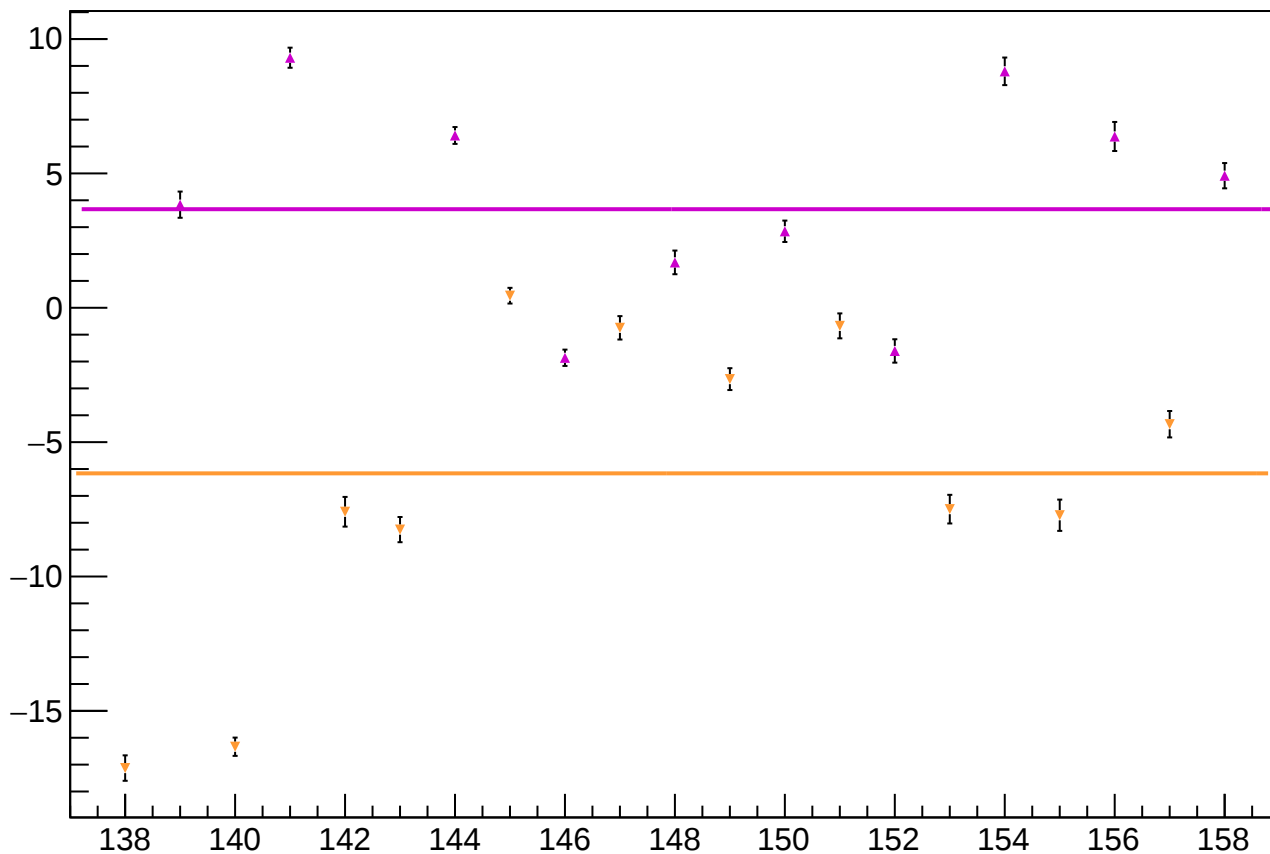
Left In: 0.152 $\pm$ 0.002 χ^2 /NDF:1360.6/9

-0.145 $\pm$ 0.002 χ^2 /NDF: 1650.7/10

0.008 $\pm$ 0.001 χ^2 /NDF: 16152.5/20

0.152 $\pm$ 0.002 χ^2 /NDF: 1360.6/9

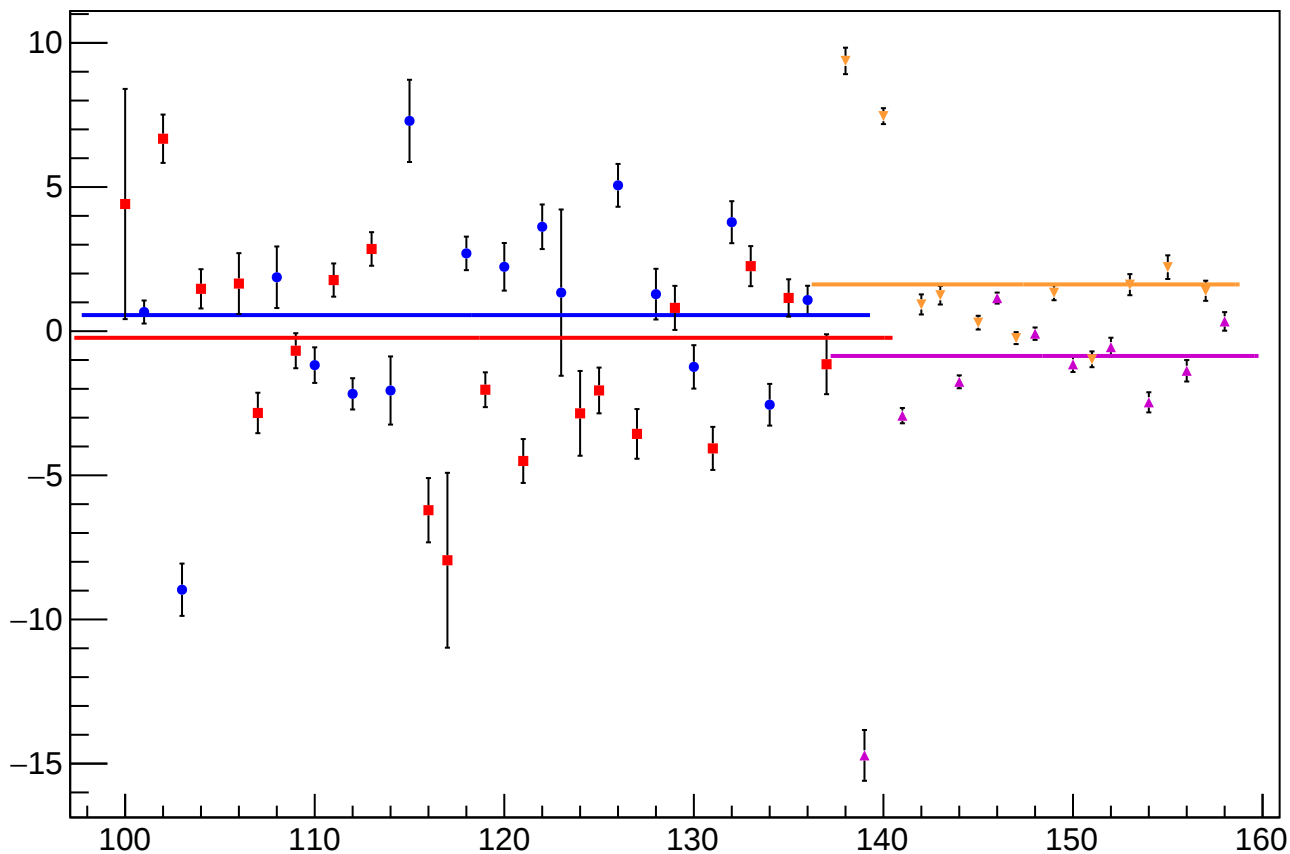
reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -6.161+/-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
 -1.179+/-0.091 χ^2/NDF : 6207.7/20
 3.668+/-0.128 χ^2/NDF : 939.6/9

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

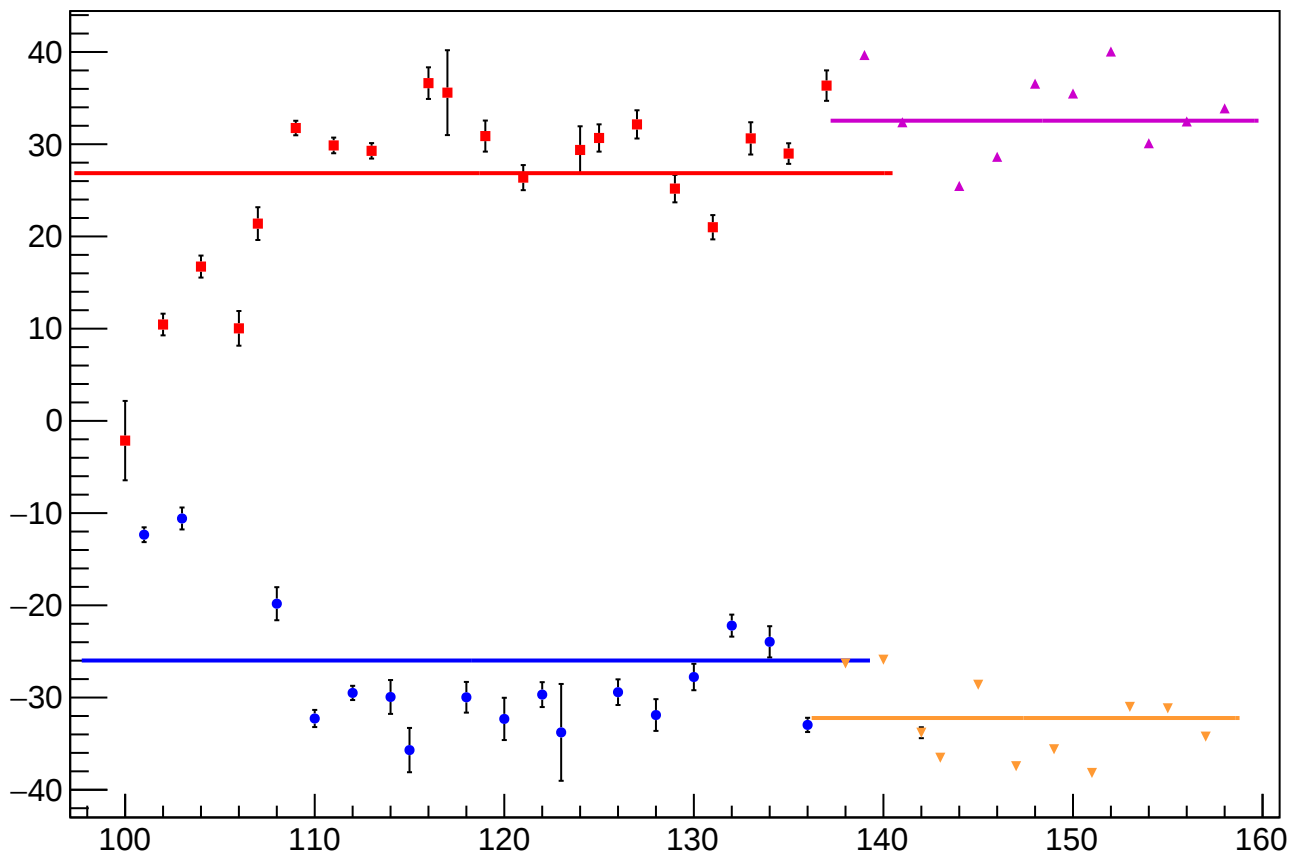
Left In: -0.859 ± 0.087 χ^2/NDF : 486.6/9

1.394 ± 0.079 χ^2/NDF : 1260.8/27

0.314 ± 0.055 χ^2/NDF : 2405.8/57

-0.734 ± 0.078 χ^2/NDF : 775.6/29

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -25.984 ± 0.300 χ^2/NDF : 691.5/16

Left Out: -32.219 ± 0.130 χ^2/NDF : 1109.5/10

Right Out: 26.861 ± 0.297 χ^2/NDF : 585.2/19

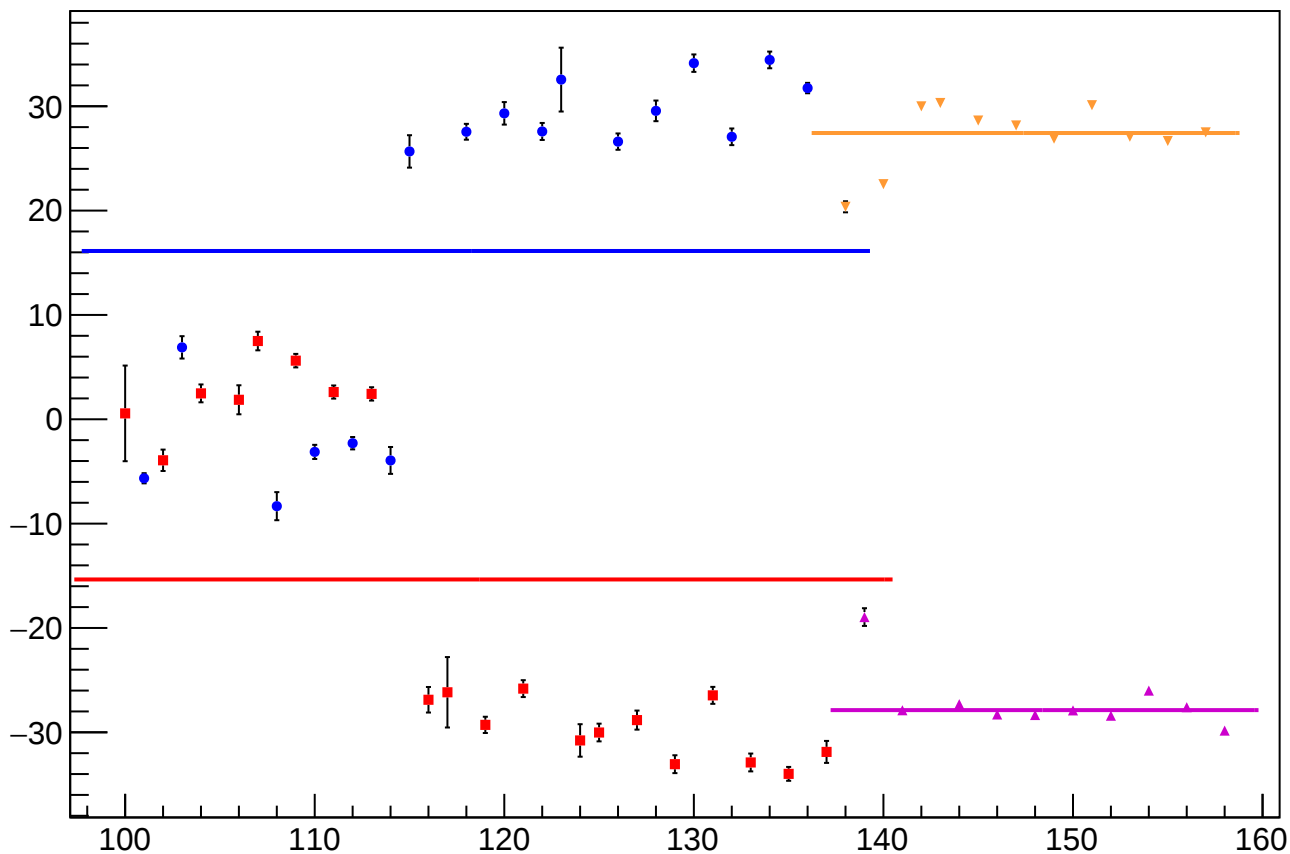
Left In: 32.550 ± 0.126 χ^2/NDF : 1323.8/9

-31.236 ± 0.119 χ^2/NDF : 2163.8/27

1.136 ± 0.083 χ^2/NDF : 147414.6/57

31.684 ± 0.116 χ^2/NDF : 2220.0/29

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 16.129 ± 0.192 $\chi^2/\text{NDF}: 7572.5/16$

Left Out: 27.436 ± 0.108 $\chi^2/\text{NDF}: 574.0/10$

Right Out: -15.352 ± 0.197 $\chi^2/\text{NDF}: 7288.4/19$

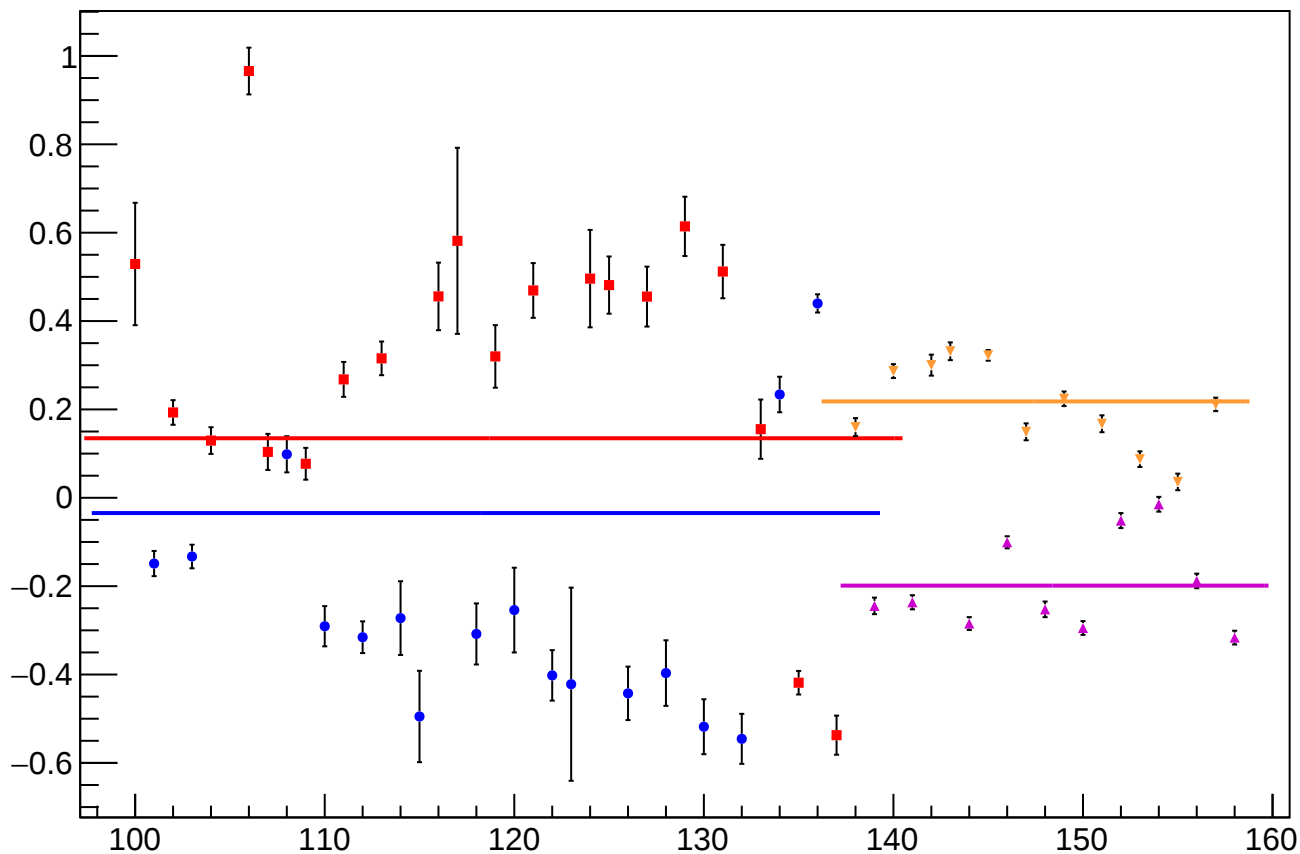
Left In: -27.873 ± 0.105 $\chi^2/\text{NDF}: 177.6/9$

24.701 ± 0.094 $\chi^2/\text{NDF}: 10774.3/27$

-0.761 ± 0.066 $\chi^2/\text{NDF}: 163587.7/57$

-25.112 ± 0.092 $\chi^2/\text{NDF}: 10625.1/29$

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.035 ± 0.010 $\chi^2/\text{NDF}: 1011.6/16$

Left Out: 0.218 ± 0.005 $\chi^2/\text{NDF}: 314.0/10$

Right Out: 0.135 ± 0.010 $\chi^2/\text{NDF}: 1166.4/19$

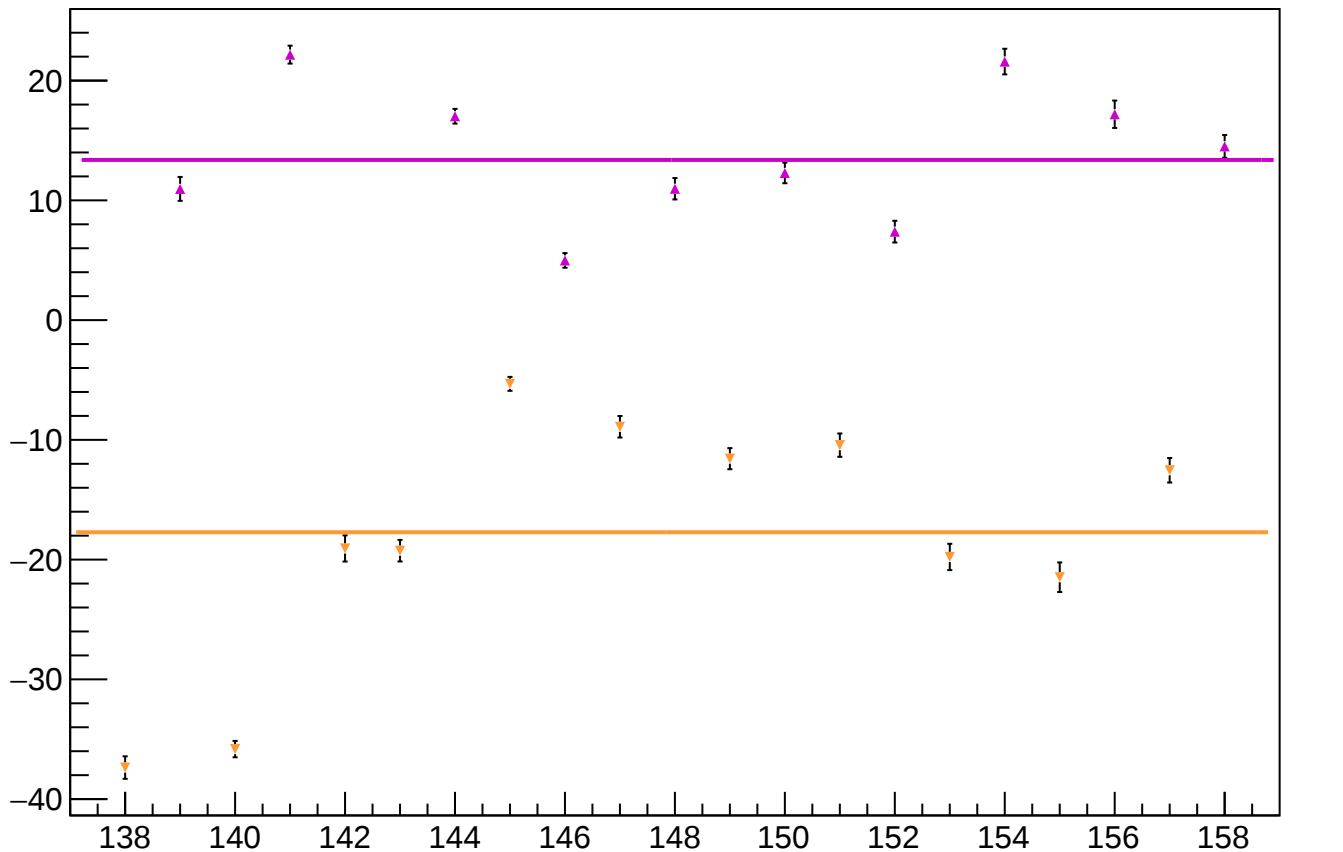
Left In: -0.199 ± 0.005 $\chi^2/\text{NDF}: 398.9/9$

0.167 ± 0.005 $\chi^2/\text{NDF}: 1802.8/27$

0.013 ± 0.003 $\chi^2/\text{NDF}: 6354.5/57$

-0.134 ± 0.005 $\chi^2/\text{NDF}: 2401.5/29$

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -17.714+/-0.264 χ^2/NDF : 1834.3/10

-17.714+/-0.264 χ^2/NDF : 1834.3/10

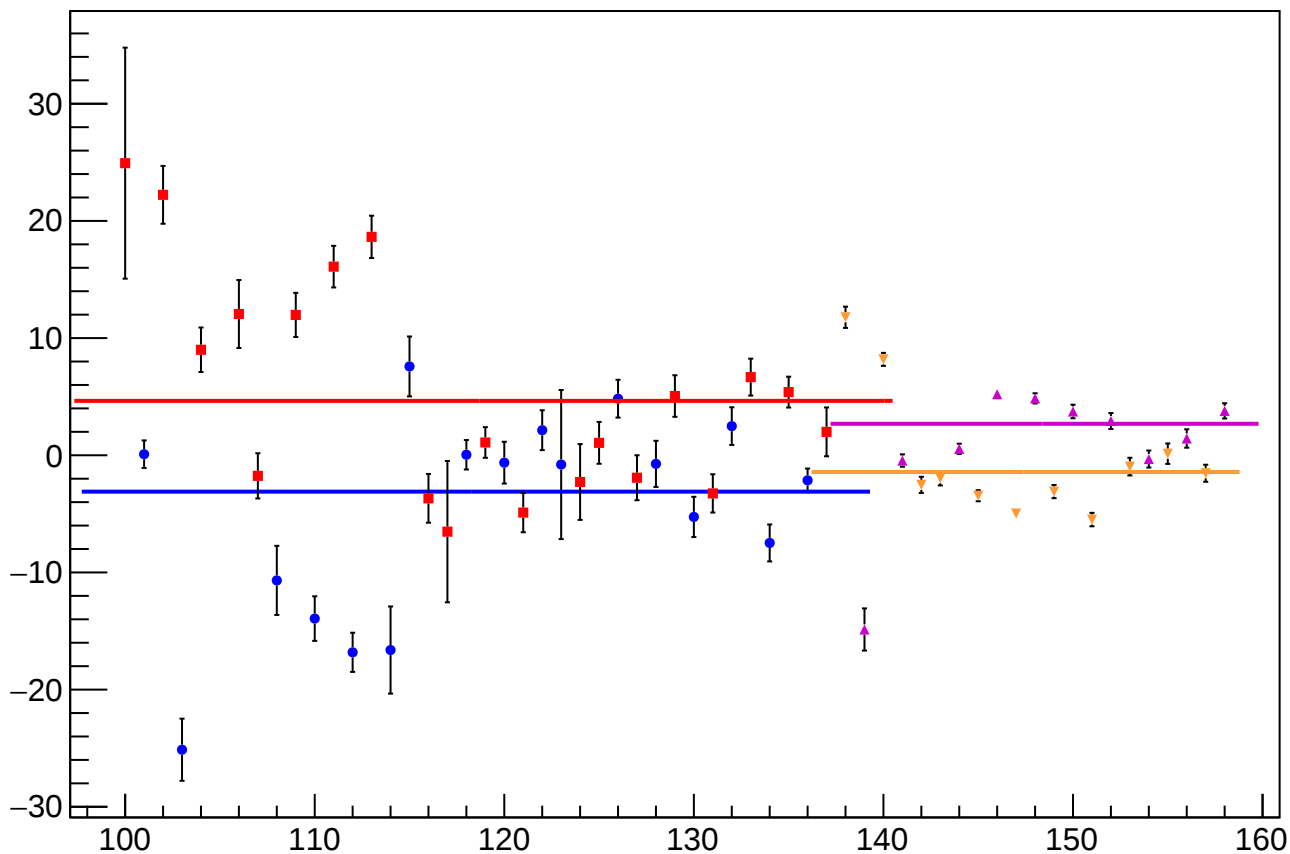
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-1.970+/-0.186 χ^2/NDF : 9330.4/20

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, Sign Corrected



Right In: -3.104 ± 0.411 χ^2/NDF : 279.1/16

Left Out: -1.429 ± 0.182 χ^2/NDF : 665.3/10

Right Out: 4.645 ± 0.425 χ^2/NDF : 301.1/19

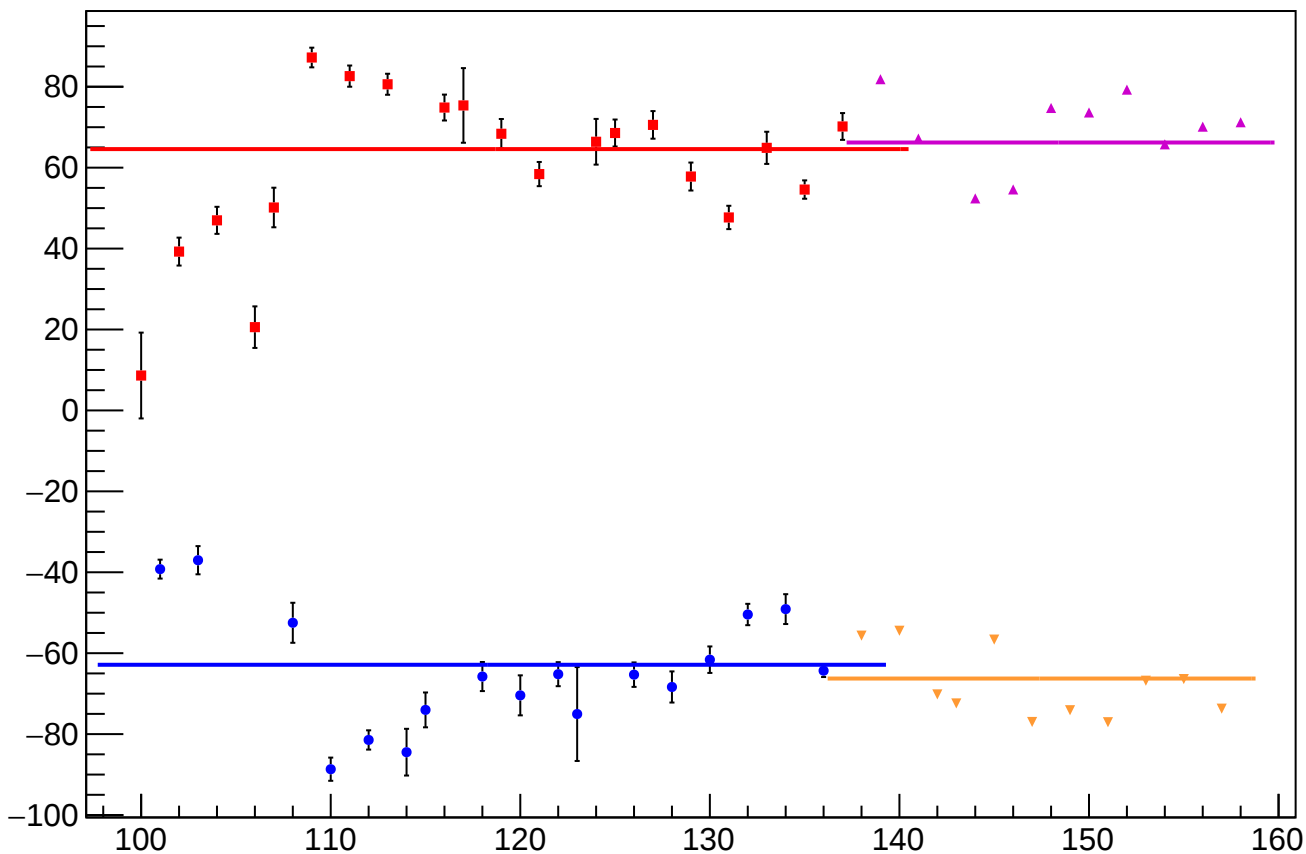
Left In: 2.687 ± 0.176 χ^2/NDF : 249.3/9

-1.702 ± 0.166 χ^2/NDF : 958.4/27

0.687 ± 0.116 χ^2/NDF : 1931.8/57

2.972 ± 0.162 χ^2/NDF : 568.5/29

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.863 ± 0.741 χ^2/NDF : 368.7/16

Left Out: -66.266 ± 0.266 χ^2/NDF : 1117.4/10

Right Out: 64.588 ± 0.749 χ^2/NDF : 445.6/19

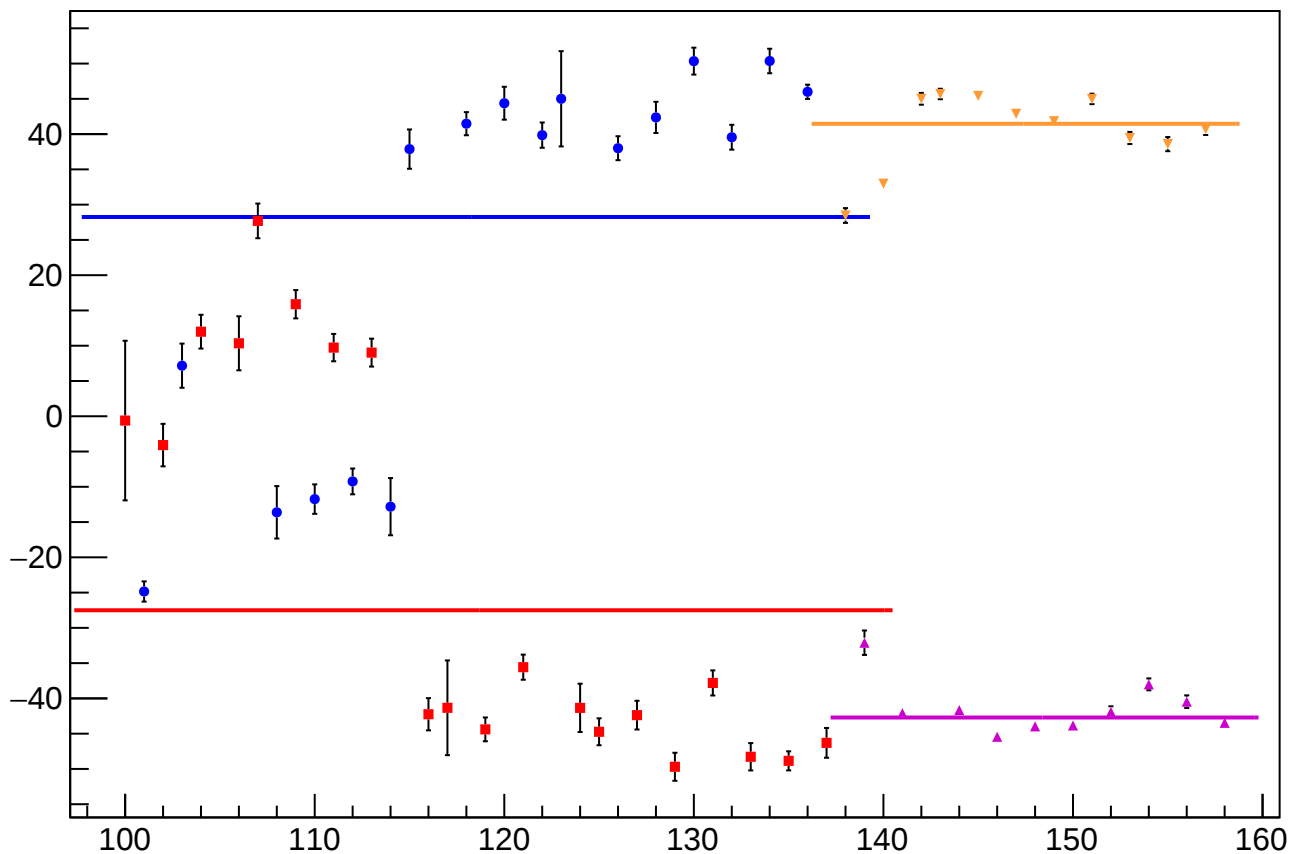
Left In: 66.216 ± 0.257 χ^2/NDF : 1504.1/9

-65.878 ± 0.250 χ^2/NDF : 1504.8/27

1.952 ± 0.174 χ^2/NDF : 146586.5/57

66.044 ± 0.243 χ^2/NDF : 1954.0/29

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.250+/-0.460 χ^2/NDF : 3319.5/16

Left Out: 41.463+/-0.221 χ^2/NDF : 460.0/10

Right Out: -27.505+/-0.478 χ^2/NDF : 3036.7/19

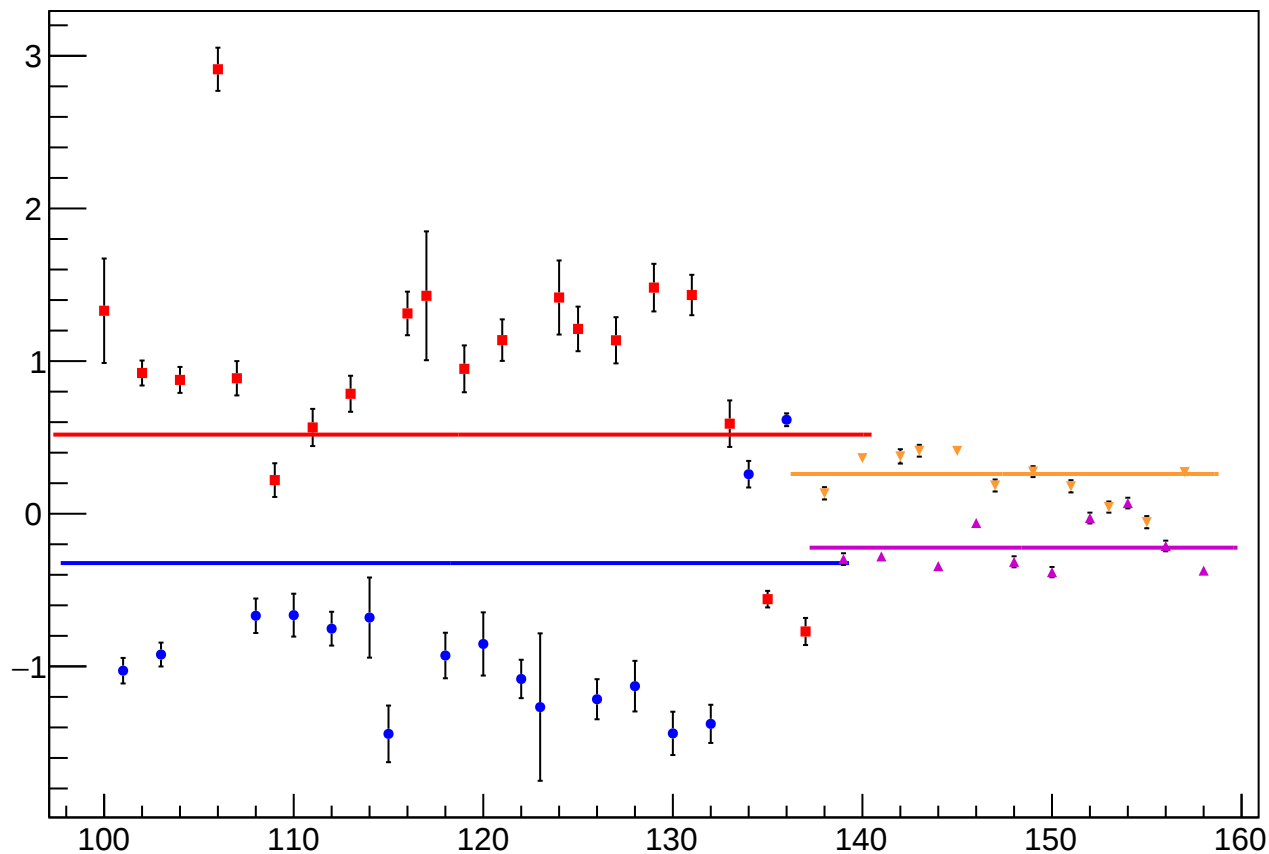
Left In: -42.709+/-0.213 χ^2/NDF : 122.0/9

38.981+/-0.199 χ^2/NDF : 4449.3/27

-1.660+/-0.139 χ^2/NDF : 89347.3/57

-40.194+/-0.194 χ^2/NDF : 4004.5/29

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.323 ± 0.025 $\chi^2/\text{NDF}: 1010.8/16$

Left Out: 0.261 ± 0.011 $\chi^2/\text{NDF}: 187.1/10$

Right Out: 0.518 ± 0.026 $\chi^2/\text{NDF}: 1165.5/19$

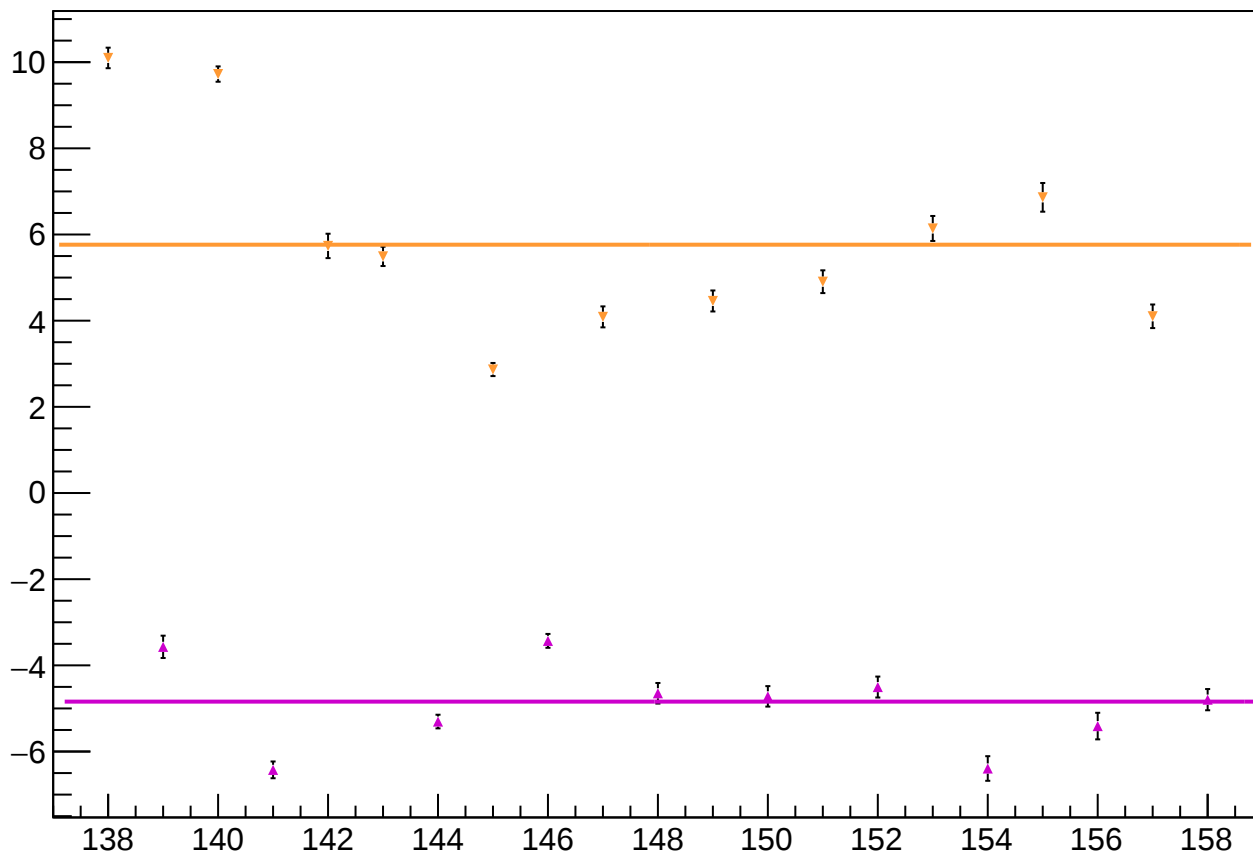
Left In: -0.222 ± 0.010 $\chi^2/\text{NDF}: 212.0/9$

0.171 ± 0.010 $\chi^2/\text{NDF}: 1661.2/27$

0.023 ± 0.007 $\chi^2/\text{NDF}: 4199.4/57$

-0.119 ± 0.010 $\chi^2/\text{NDF}: 2091.6/29$

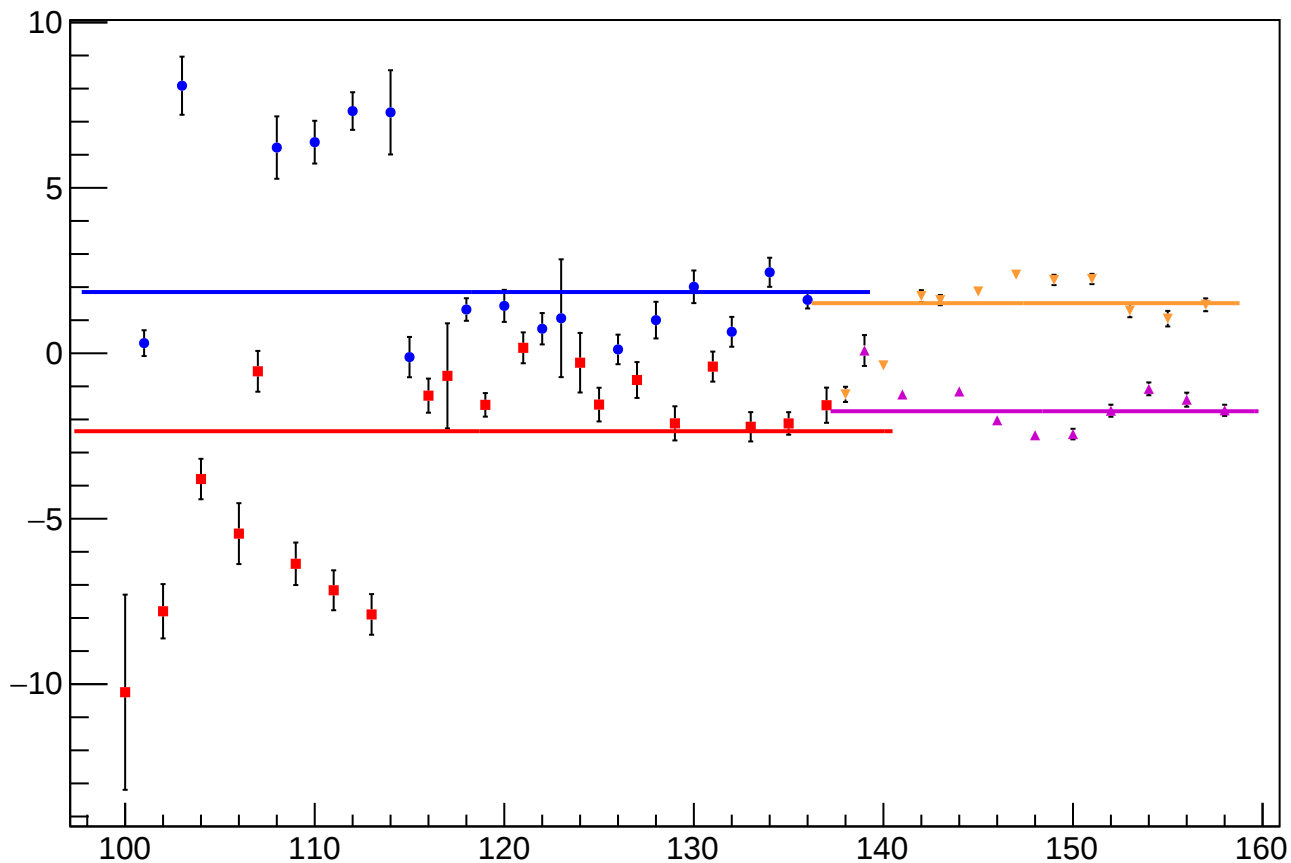
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 5.764 $\pm$ 0.069 χ^2/NDF :1325.8/10
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -4.842 $\pm$ 0.069 χ^2/NDF :211.3/9

5.764 $\pm$ 0.069 χ^2/NDF : 1325.8/10
 0.411 $\pm$ 0.049 χ^2/NDF : 13294.1/20
 -4.842 $\pm$ 0.069 χ^2/NDF : 211.3/9

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.851 ± 0.117 χ^2/NDF : 294.2/16

Left Out: 1.514 ± 0.048 χ^2/NDF : 427.8/10

Right Out: -2.355 ± 0.122 χ^2/NDF : 337.4/19

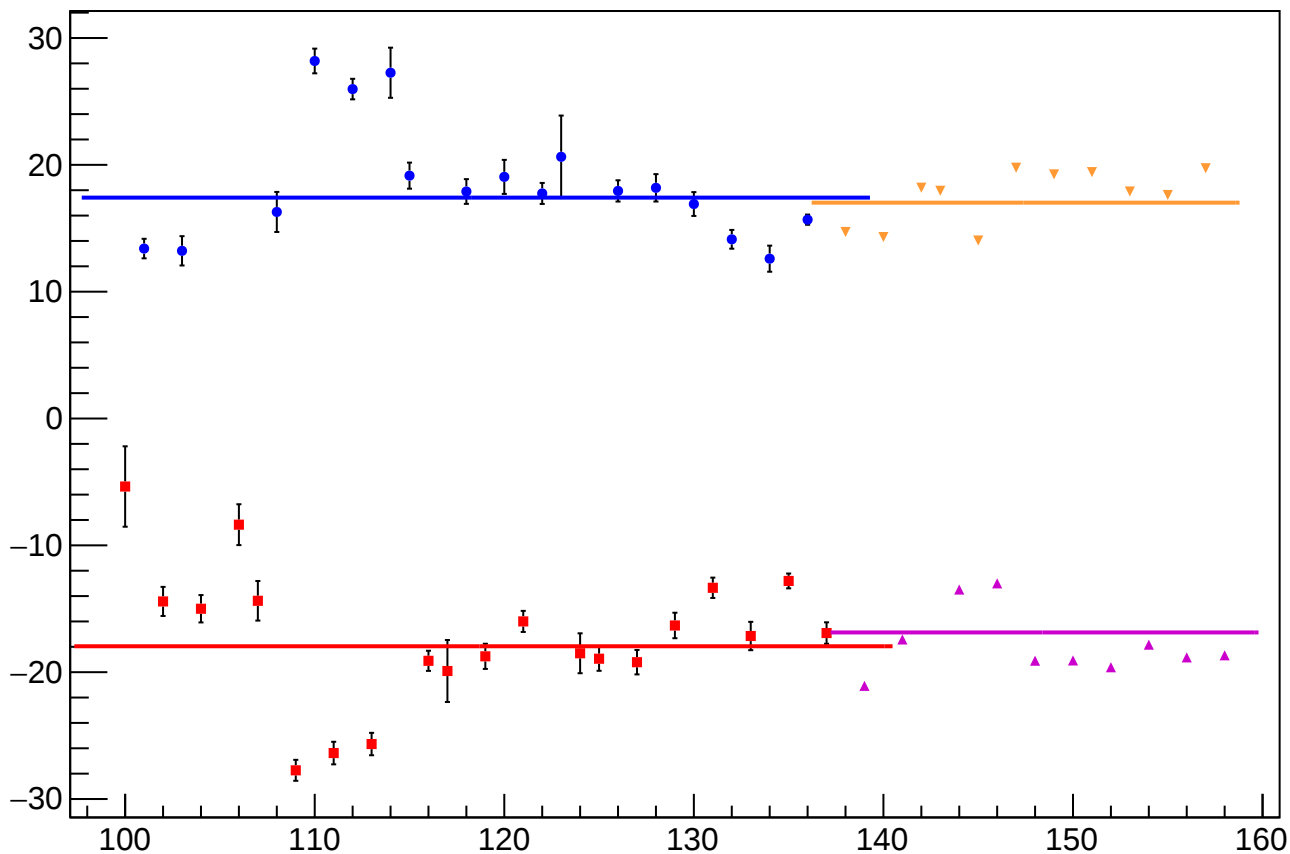
Left In: -1.752 ± 0.046 χ^2/NDF : 137.4/9

1.563 ± 0.044 χ^2/NDF : 729.0/27

-0.175 ± 0.031 χ^2/NDF : 4217.8/57

-1.827 ± 0.043 χ^2/NDF : 496.1/29

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.417 ± 0.213 $\chi^2/\text{NDF}: 367.0/16$

Left Out: 17.019 ± 0.070 $\chi^2/\text{NDF}: 1120.4/10$

Right Out: -17.957 ± 0.218 $\chi^2/\text{NDF}: 506.2/19$

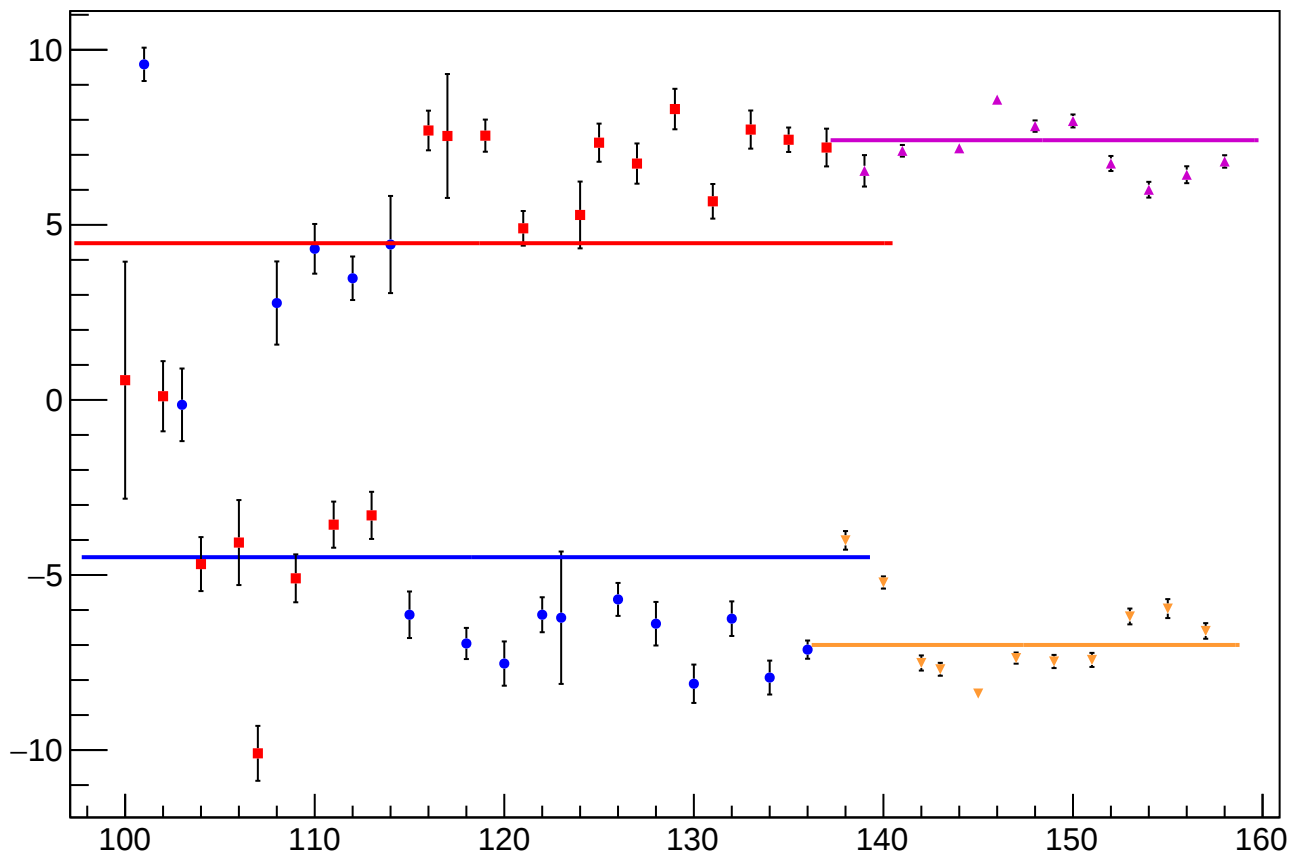
Left In: -16.867 ± 0.068 $\chi^2/\text{NDF}: 1715.6/9$

17.058 ± 0.067 $\chi^2/\text{NDF}: 1490.6/27$

-0.401 ± 0.046 $\chi^2/\text{NDF}: 137858.0/57$

-16.963 ± 0.065 $\chi^2/\text{NDF}: 2244.6/29$

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.491 ± 0.130 χ^2/NDF : 1585.4/16

Left Out: -6.998 ± 0.058 χ^2/NDF : 393.8/10

Right Out: 4.476 ± 0.137 χ^2/NDF : 1342.0/19

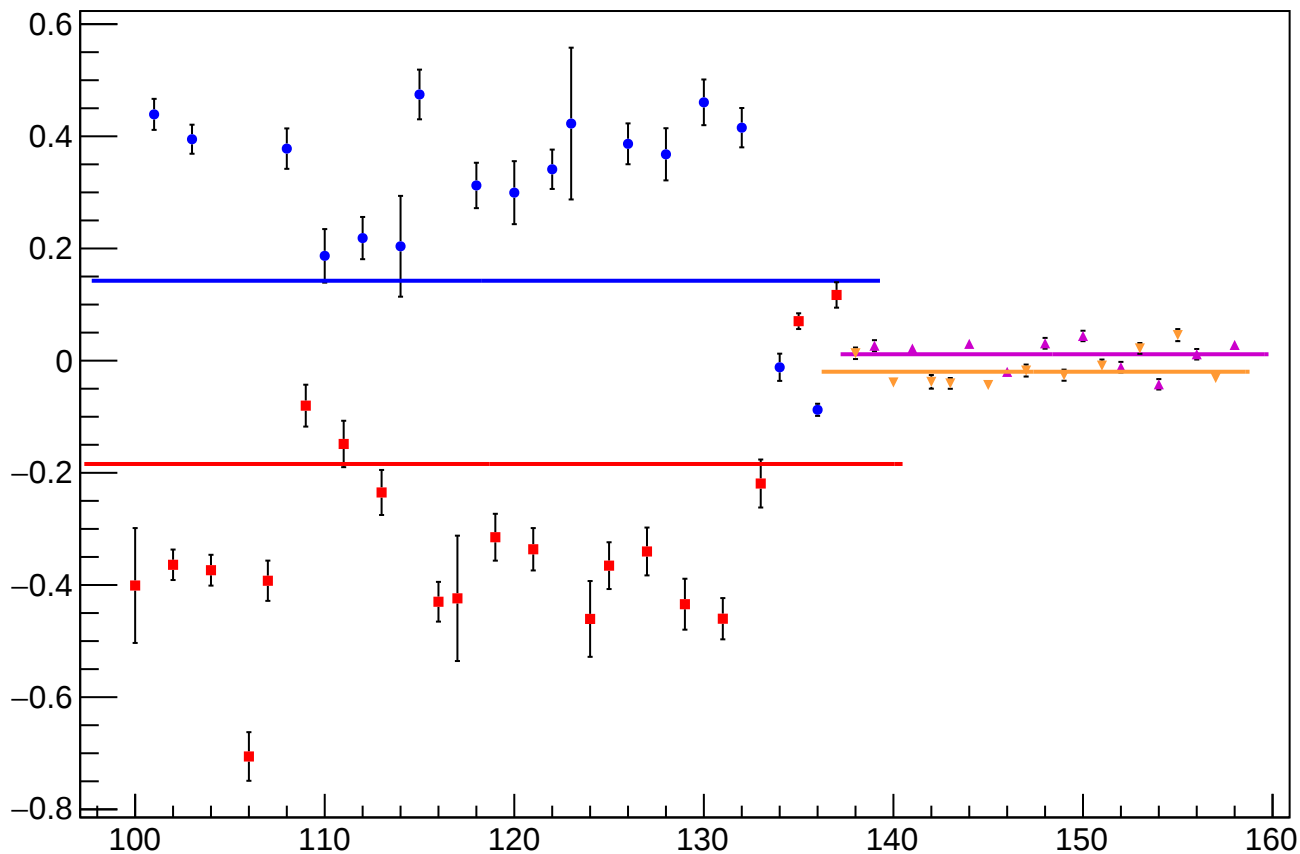
Left In: 7.418 ± 0.056 χ^2/NDF : 189.4/9

-6.580 ± 0.053 χ^2/NDF : 2286.8/27

0.396 ± 0.037 χ^2/NDF : 37551.0/57

6.994 ± 0.052 χ^2/NDF : 1928.2/29

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.142 ± 0.007 $\chi^2/\text{NDF}: 1058.8/16$

Left Out: -0.020 ± 0.003 $\chi^2/\text{NDF}: 95.2/10$

Right Out: -0.184 ± 0.007 $\chi^2/\text{NDF}: 1005.5/19$

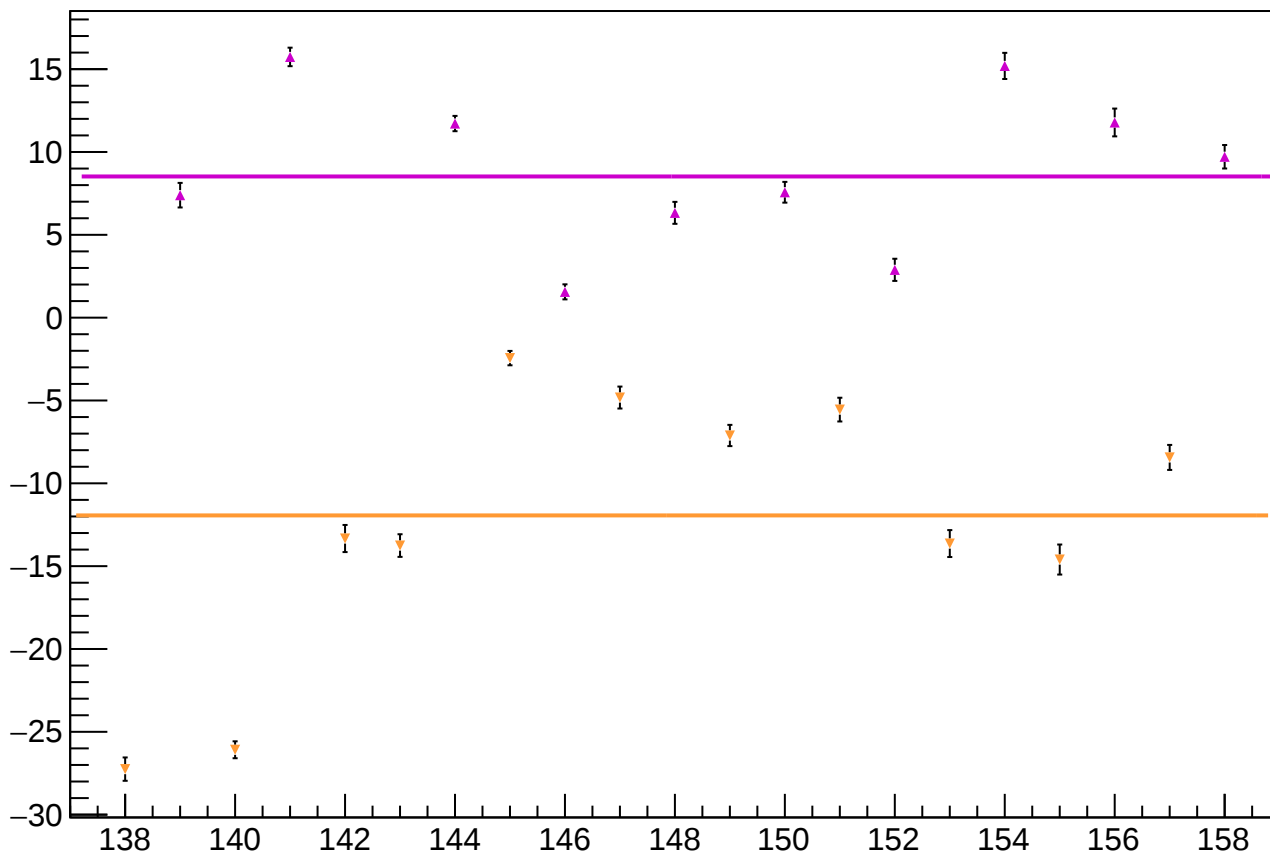
Left In: 0.011 ± 0.003 $\chi^2/\text{NDF}: 88.7/9$

0.002 ± 0.003 $\chi^2/\text{NDF}: 1608.9/27$

-0.005 ± 0.002 $\chi^2/\text{NDF}: 3334.9/57$

-0.012 ± 0.003 $\chi^2/\text{NDF}: 1710.3/29$

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -11.937 $\pm$ 0.196 χ^2 /NDF: 2014.4/10

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

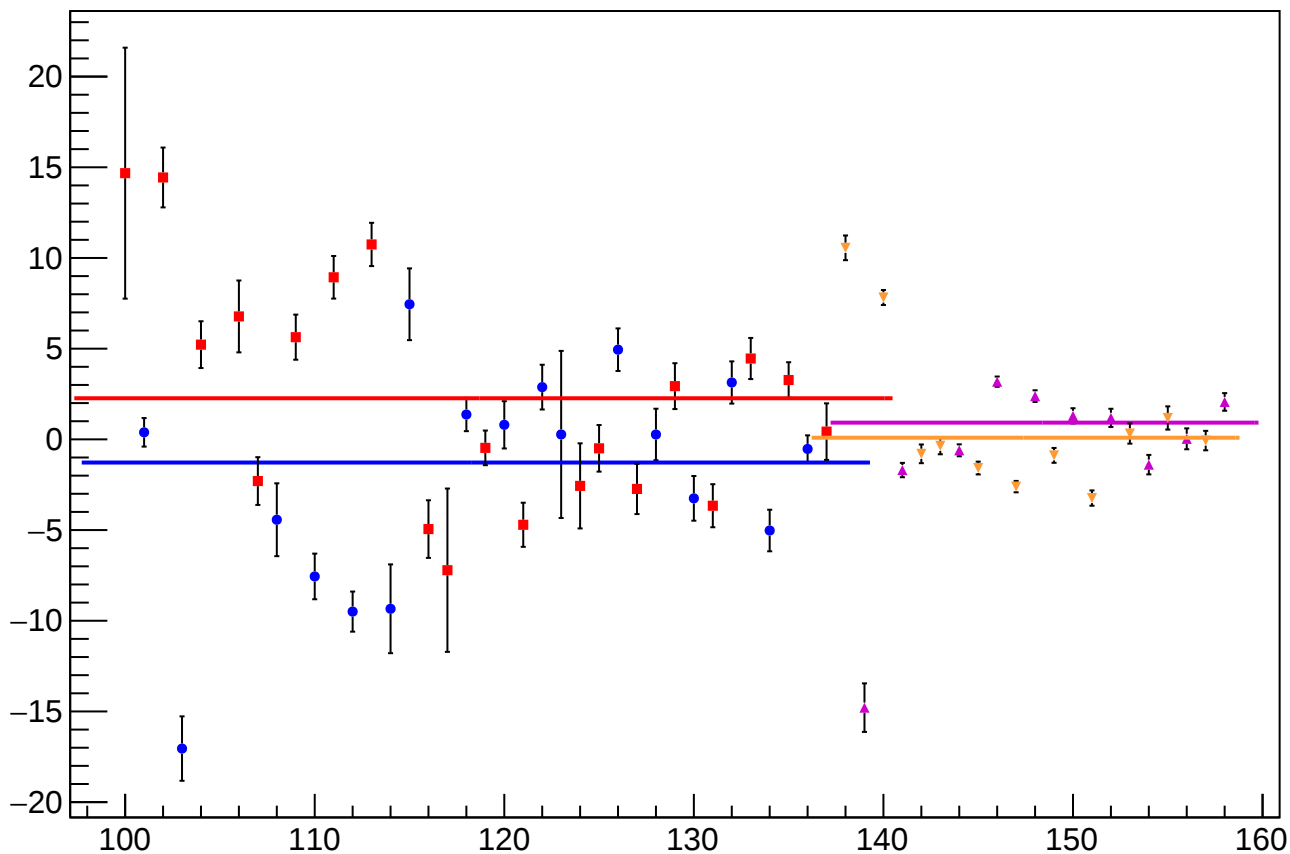
Left In: 8.523 $\pm$ 0.194 χ^2 /NDF: 625.7/9

-11.937 $\pm$ 0.196 χ^2 /NDF: 2014.4/10

-1.571 $\pm$ 0.138 χ^2 /NDF: 8140.6/20

8.523 $\pm$ 0.194 χ^2 /NDF: 625.7/9

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.278+/-0.292 χ^2/NDF : 276.5/16

Left Out: 0.091+/-0.135 χ^2/NDF : 755.2/10

Right Out: 2.266+/-0.302 χ^2/NDF : 289.8/19

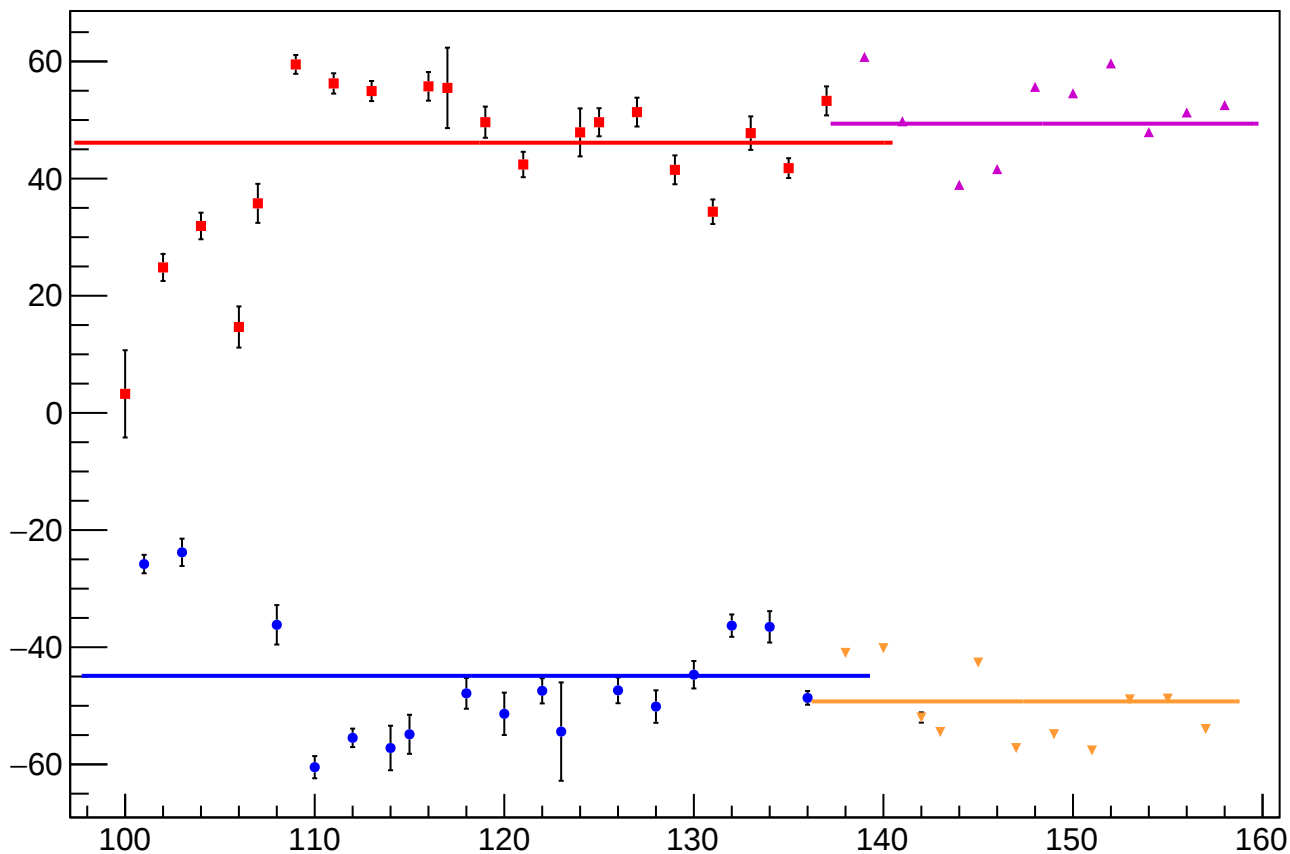
Left In: 0.922+/-0.131 χ^2/NDF : 314.8/9

-0.149+/-0.122 χ^2/NDF : 1049.8/27

0.506+/-0.086 χ^2/NDF : 1727.2/57

1.134+/-0.120 χ^2/NDF : 621.2/29

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -44.883 ± 0.524 χ^2/NDF : 421.0/16

Left Out: -49.250 ± 0.197 χ^2/NDF : 1114.4/10

Right Out: 46.130 ± 0.527 χ^2/NDF : 456.1/19

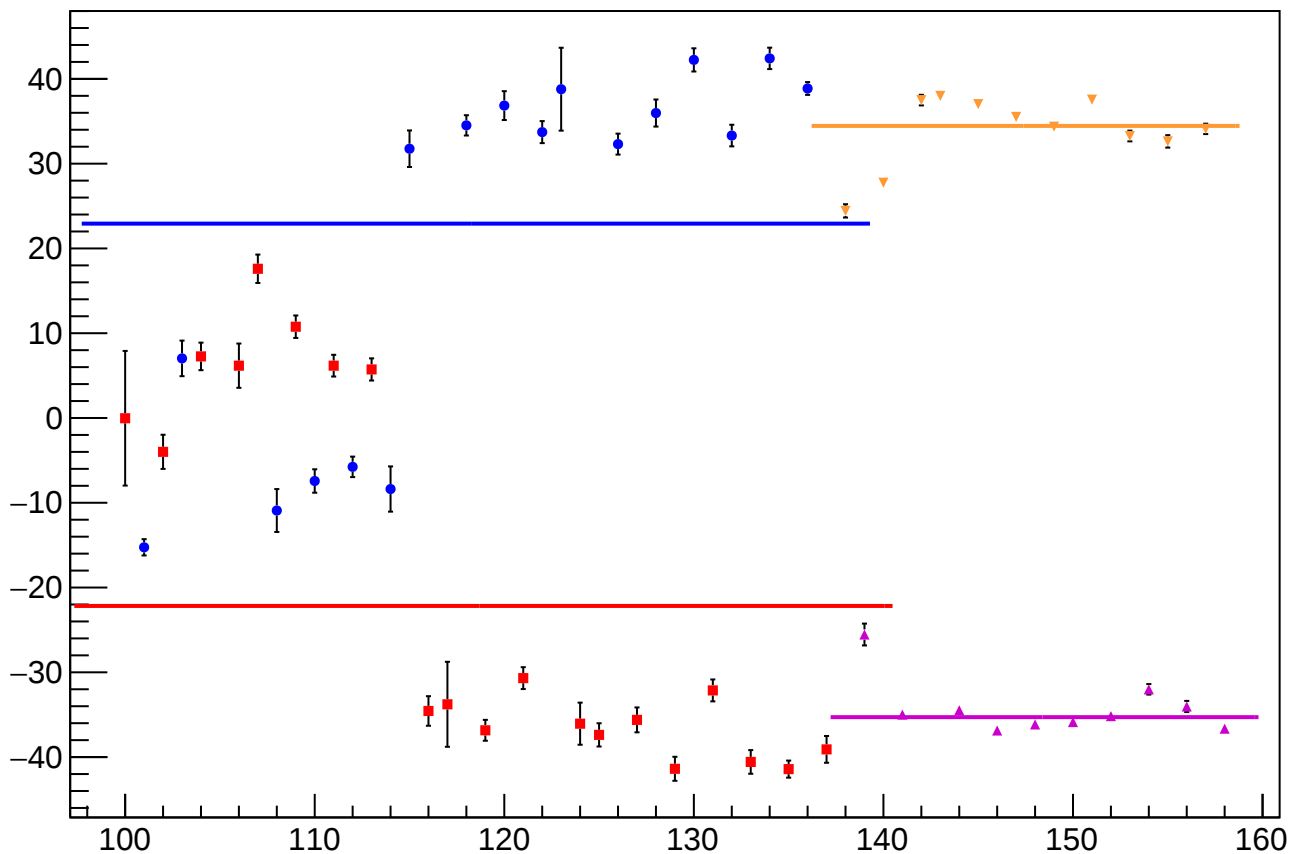
Left In: 49.379 ± 0.191 χ^2/NDF : 1436.2/9

-48.709 ± 0.184 χ^2/NDF : 1596.1/27

1.541 ± 0.129 χ^2/NDF : 147832.1/57

49.003 ± 0.179 χ^2/NDF : 1926.0/29

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.926 ± 0.328 $\chi^2/\text{NDF}: 4330.2/16$

Left Out: 34.454 ± 0.164 $\chi^2/\text{NDF}: 492.7/10$

Right Out: -22.170 ± 0.339 $\chi^2/\text{NDF}: 4038.8/19$

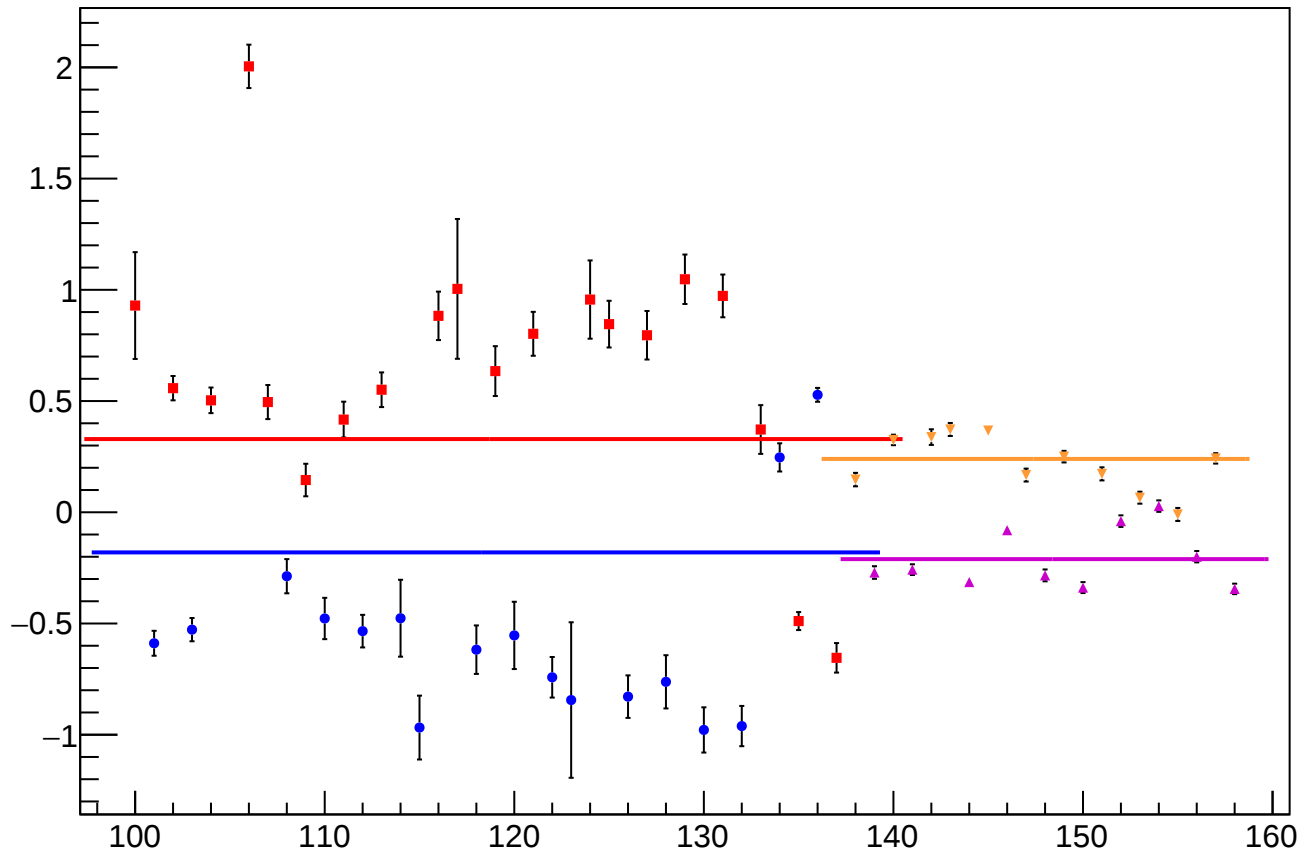
Left In: -35.289 ± 0.158 $\chi^2/\text{NDF}: 125.2/9$

32.144 ± 0.147 $\chi^2/\text{NDF}: 5810.3/27$

-1.232 ± 0.103 $\chi^2/\text{NDF}: 111955.0/57$

-32.952 ± 0.143 $\chi^2/\text{NDF}: 5393.5/29$

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.180 ± 0.018 χ^2/NDF : 995.7/16

Left Out: 0.240 ± 0.008 χ^2/NDF : 226.6/10

Right Out: 0.329 ± 0.018 χ^2/NDF : 1180.2/19

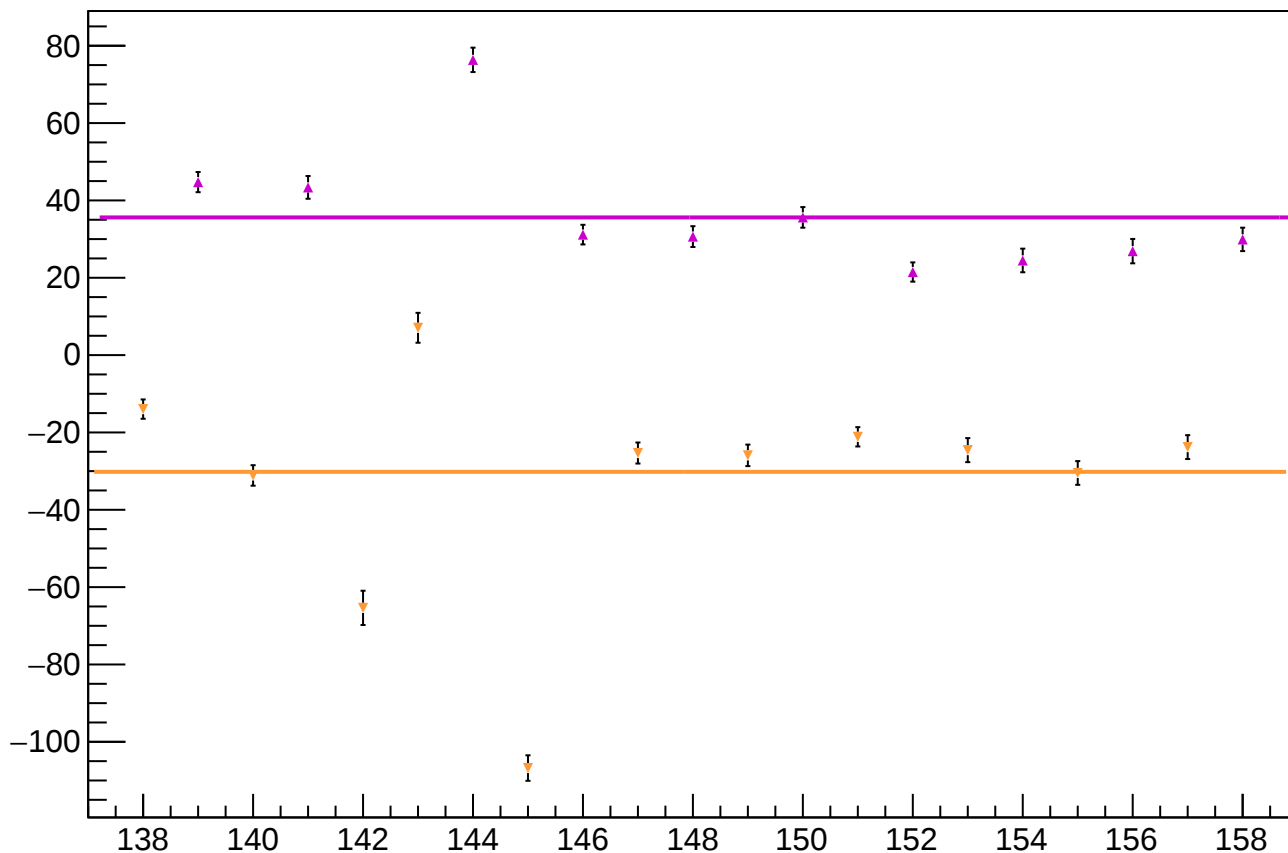
Left In: -0.211 ± 0.008 χ^2/NDF : 268.1/9

0.171 ± 0.007 χ^2/NDF : 1689.7/27

0.018 ± 0.005 χ^2/NDF : 4765.7/57

-0.129 ± 0.007 χ^2/NDF : 2196.9/29

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



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

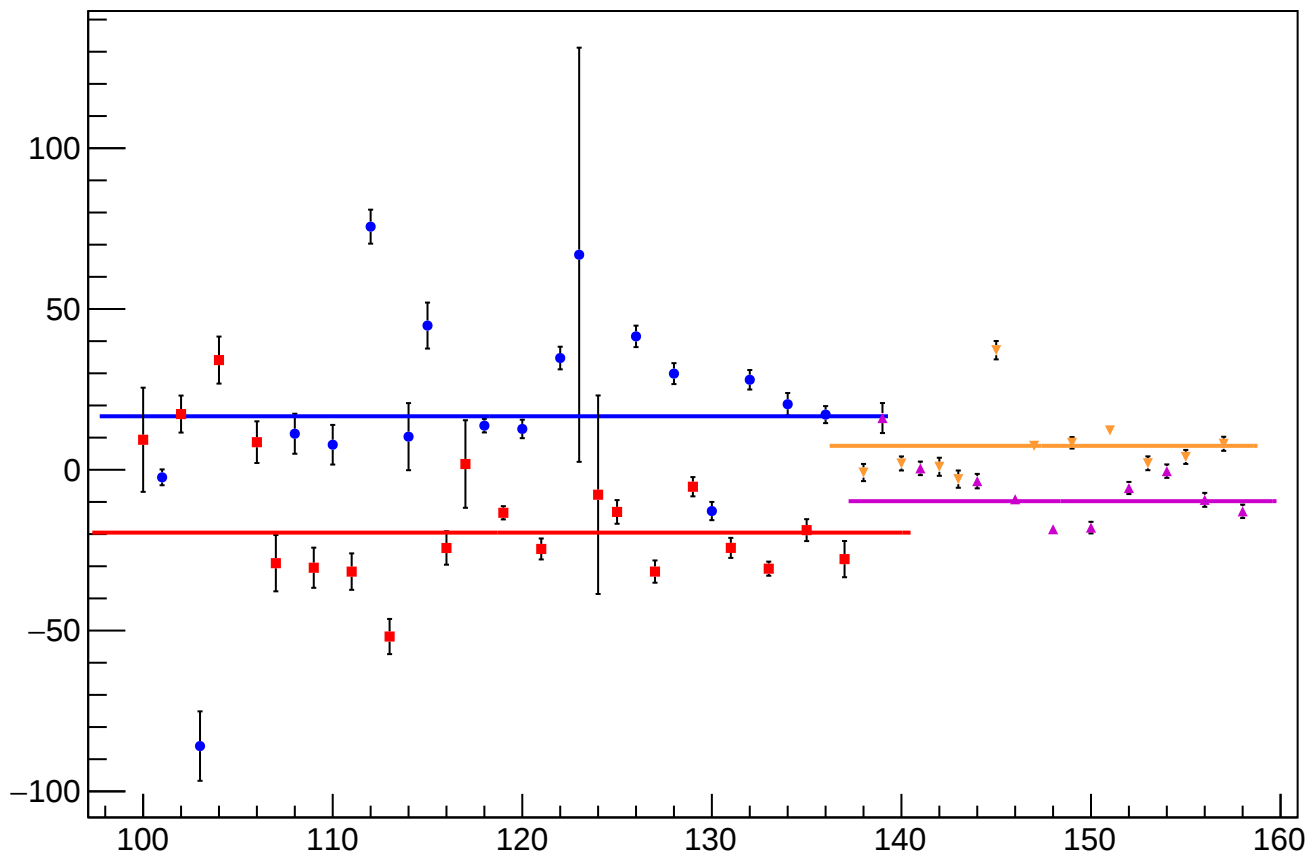
Left In: 35.605+/-0.885 χ^2/NDF : 249.3/9

-30.186+/-0.894 χ^2/NDF : 764.6/10

3.014+/-0.629 χ^2/NDF : 3748.9/20

35.605+/-0.885 χ^2/NDF : 249.3/9

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 244.1/19$

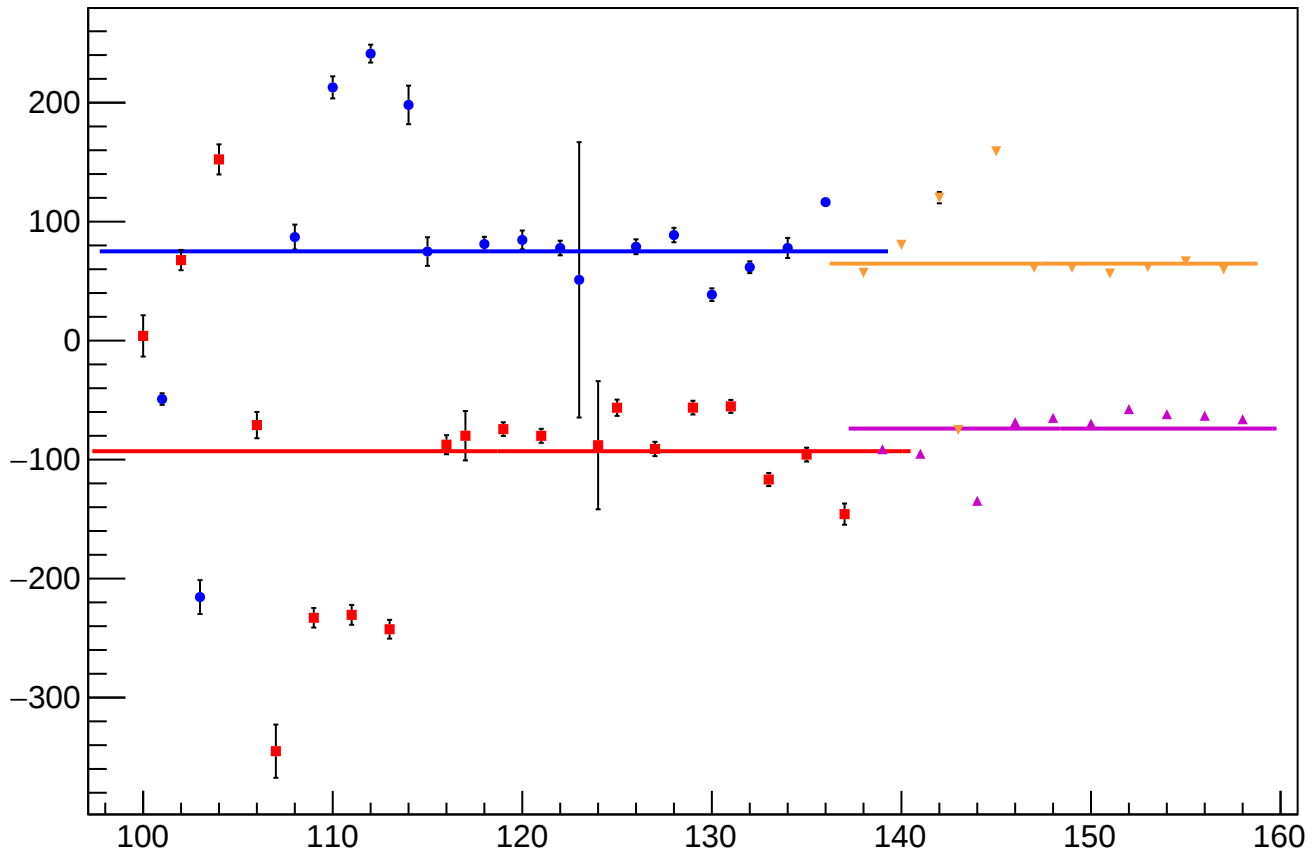
Left In: -9.761 ± 0.601 $\chi^2/\text{NDF}: 154.3/9$

10.457 ± 0.491 $\chi^2/\text{NDF}: 761.2/27$

-0.997 ± 0.350 $\chi^2/\text{NDF}: 2345.2/57$

-12.804 ± 0.499 $\chi^2/\text{NDF}: 480.7/29$

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 75.032 ± 1.647 χ^2/NDF : 1999.7/16

Left Out: 64.696 ± 0.879 χ^2/NDF : 2105.2/10

Right Out: -92.940 ± 1.706 χ^2/NDF : 2004.0/19

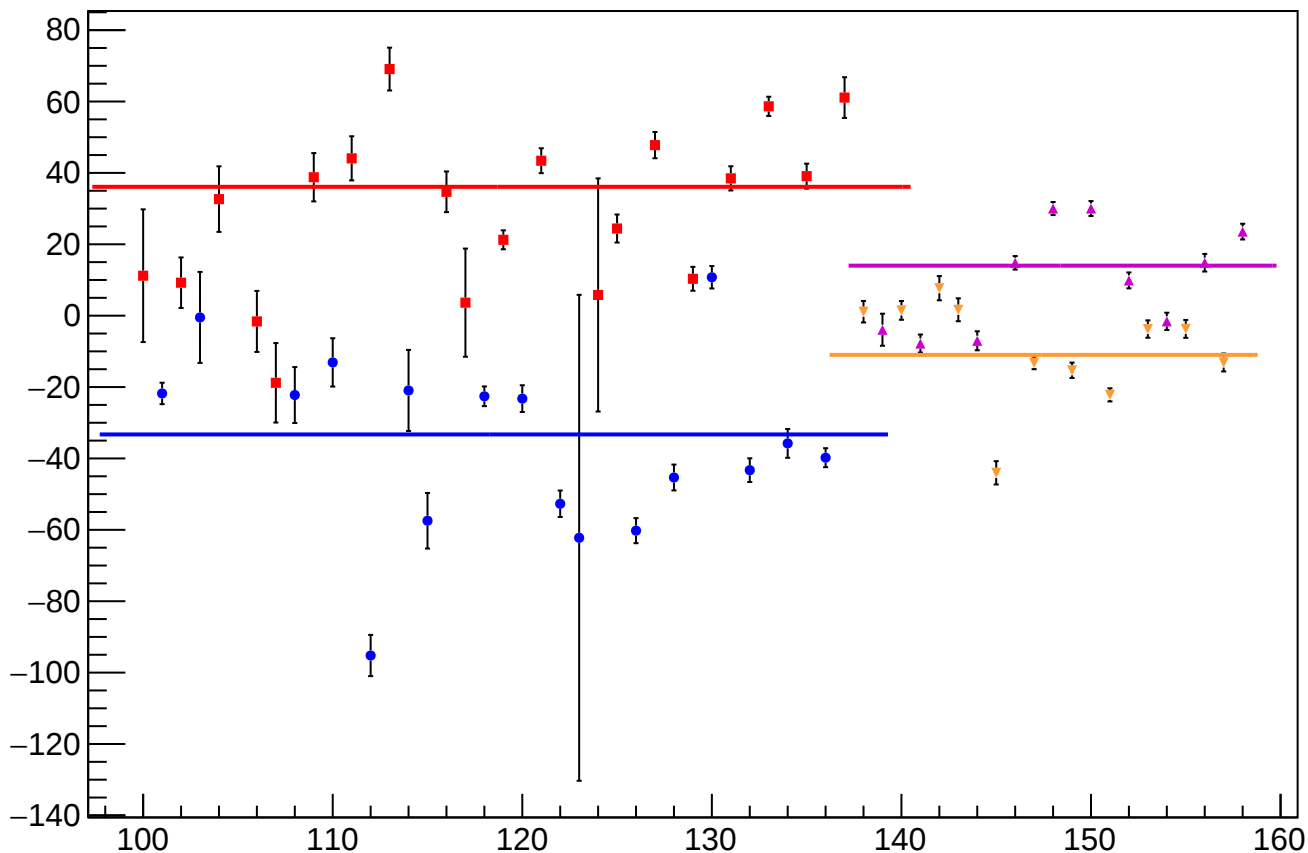
Left In: -73.920 ± 0.861 χ^2/NDF : 514.9/9

66.988 ± 0.775 χ^2/NDF : 4135.6/27

-6.018 ± 0.546 χ^2/NDF : 24331.3/57

-77.785 ± 0.769 χ^2/NDF : 2618.0/29

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 302.3/19$

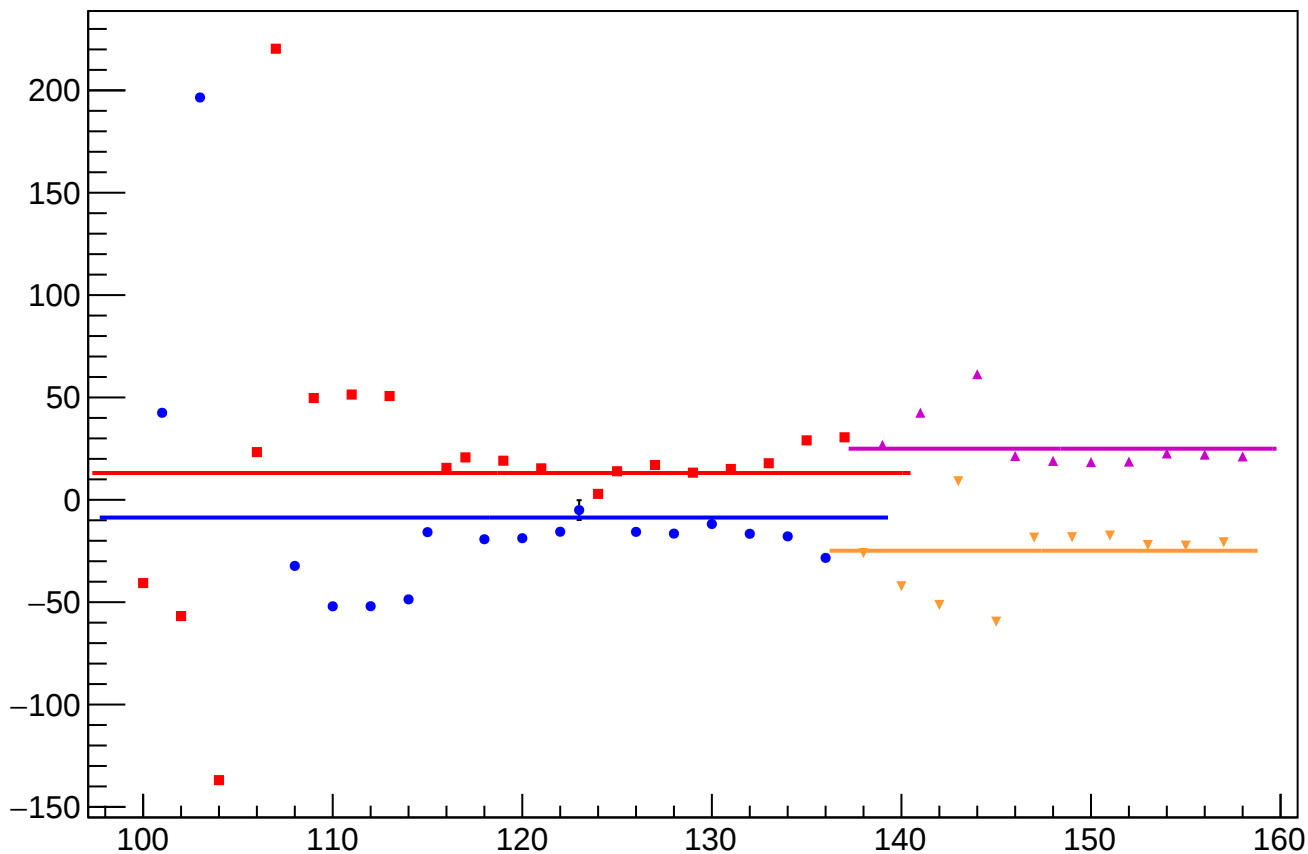
Left In: 14.014 ± 0.726 $\chi^2/\text{NDF}: 352.3/9$

-19.001 ± 0.589 $\chi^2/\text{NDF}: 1067.0/27$

1.111 ± 0.418 $\chi^2/\text{NDF}: 4376.3/57$

21.432 ± 0.592 $\chi^2/\text{NDF}: 965.0/29$

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



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

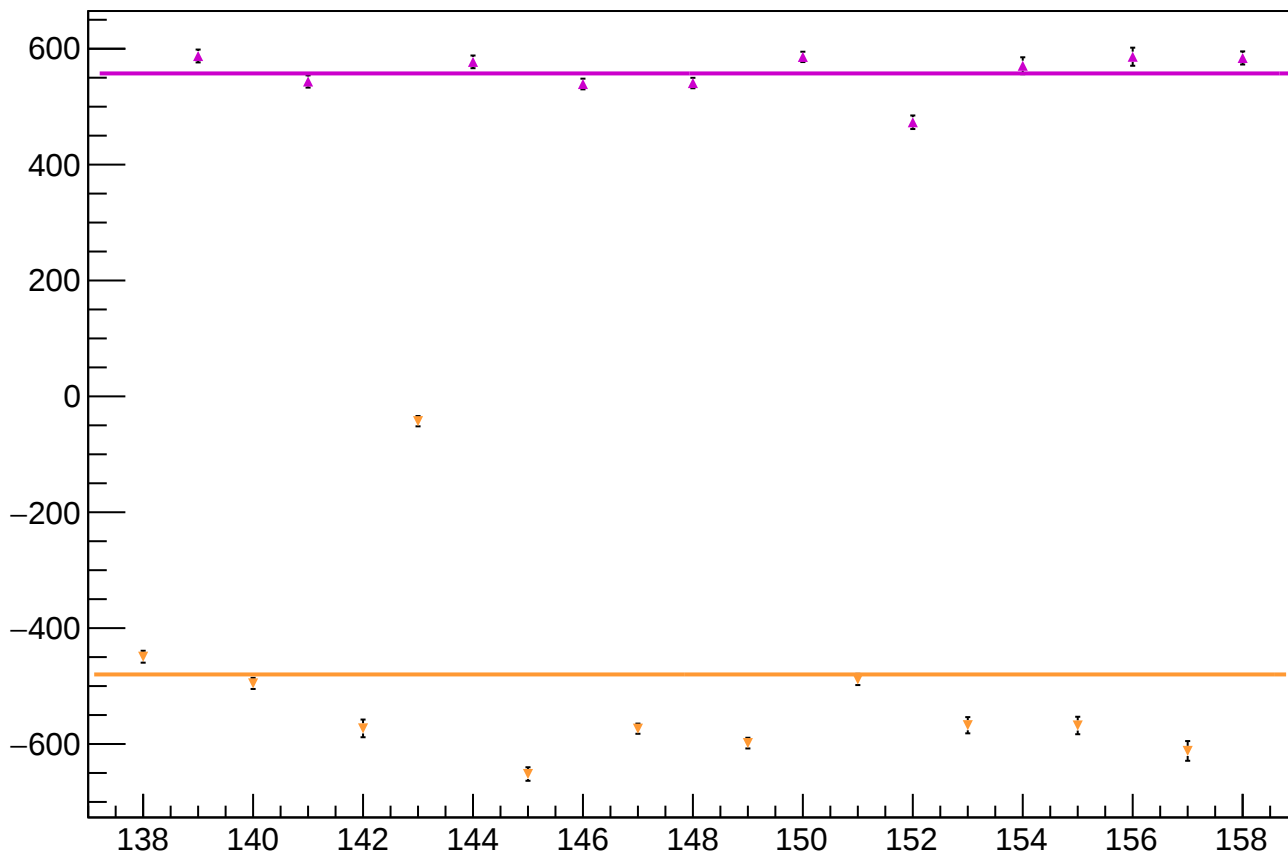
Left In: 24.968 ± 0.034 χ^2/NDF : 95514.4/9

-20.682 ± 0.030 χ^2/NDF : 793708.6/27

1.108 ± 0.021 χ^2/NDF : 2514805.6/57

22.247 ± 0.030 χ^2/NDF : 682366.2/29

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -479.950+/-3.282 χ^2/NDF : 3089.9/10

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

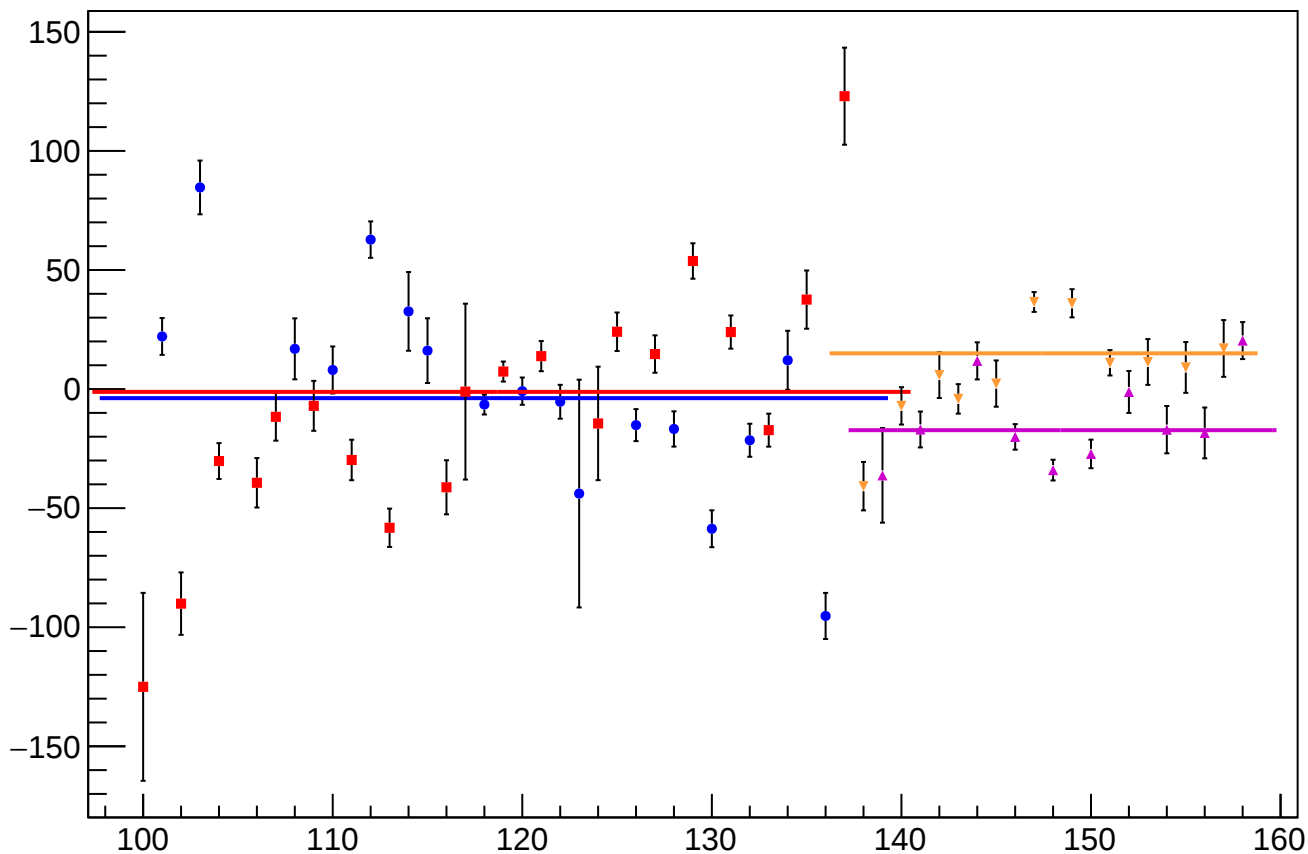
Left In: 557.388+/-3.408 χ^2/NDF : 91.8/9

-479.950+/-3.282 χ^2/NDF : 3089.9/10

19.199+/-2.364 χ^2/NDF : 51240.1/20

557.388+/-3.408 χ^2/NDF : 91.8/9

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.815 $\pm$ 1.923 χ^2/NDF : 314.3/16

Left Out: 15.003 $\pm$ 2.125 χ^2/NDF : 90.7/10

Right Out: -1.175 $\pm$ 1.911 χ^2/NDF : 303.9/19

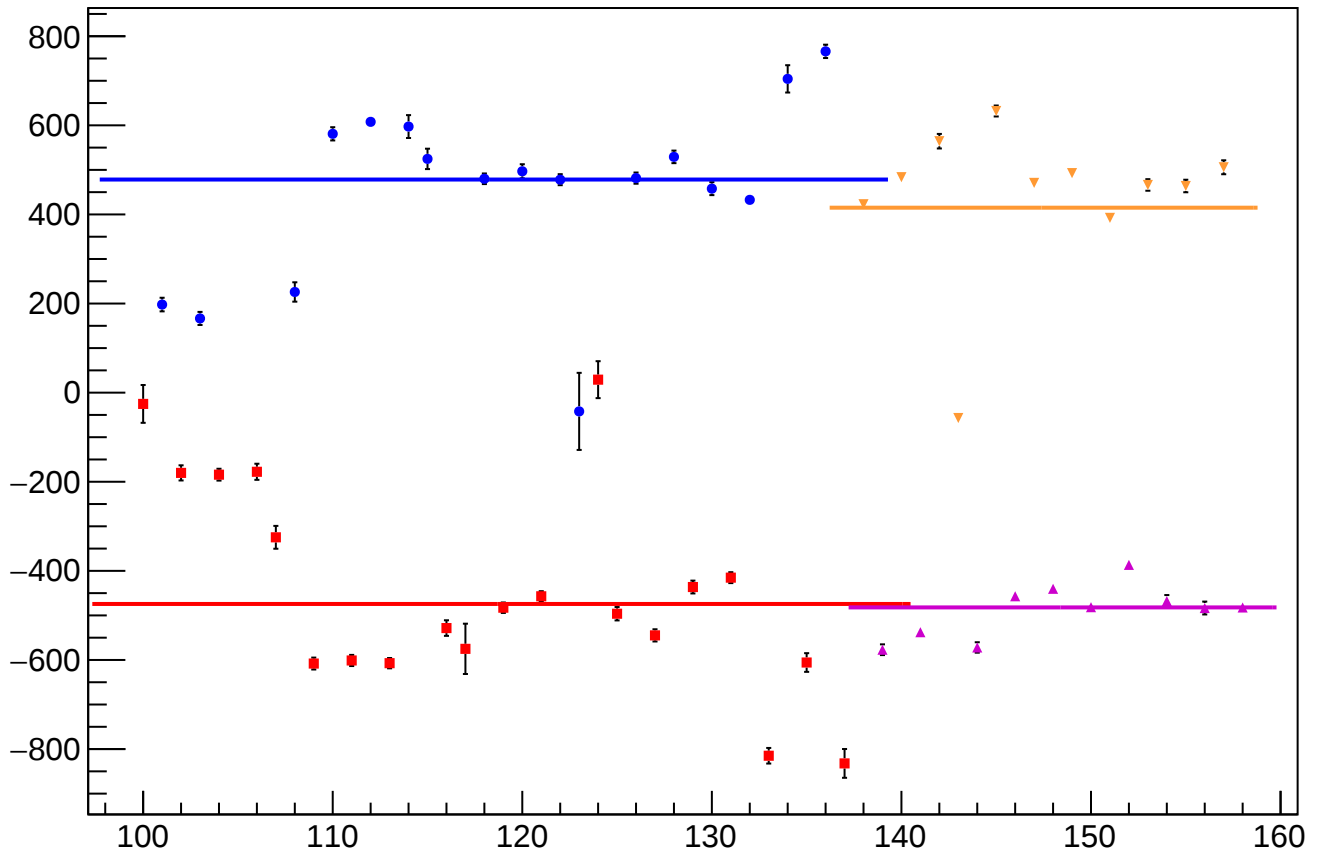
Left In: -17.267 $\pm$ 2.234 χ^2/NDF : 59.5/9

4.659 $\pm$ 1.426 χ^2/NDF : 448.1/27

-1.541 $\pm$ 1.017 χ^2/NDF : 880.0/57

-7.976 $\pm$ 1.452 χ^2/NDF : 393.3/29

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



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

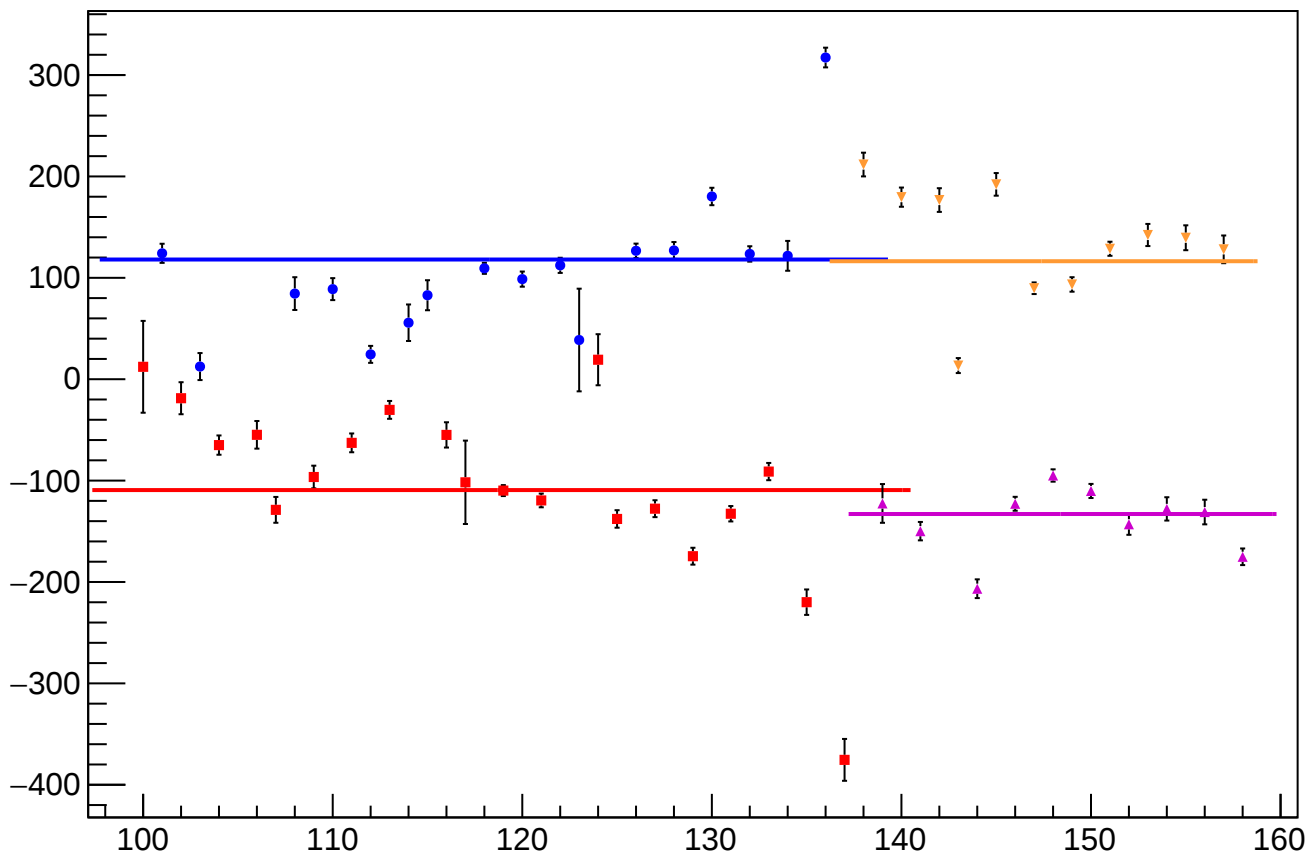
Left In: -482.039 $\pm$ 3.317 χ^2 /NDF:252.0/9

443.077 $\pm$ 2.435 χ^2 /NDF: 4898.3/27

-21.323 $\pm$ 1.715 χ^2 /NDF: 79629.6/57

-478.401 $\pm$ 2.415 χ^2 /NDF: 2542.7/29

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 118.055 $\pm$ 2.225 χ^2 /NDF: 705.3/16

Left Out: 116.376 $\pm$ 2.643 χ^2 /NDF: 422.2/10

Right Out: -109.345 $\pm$ 2.202 χ^2 /NDF: 569.8/19

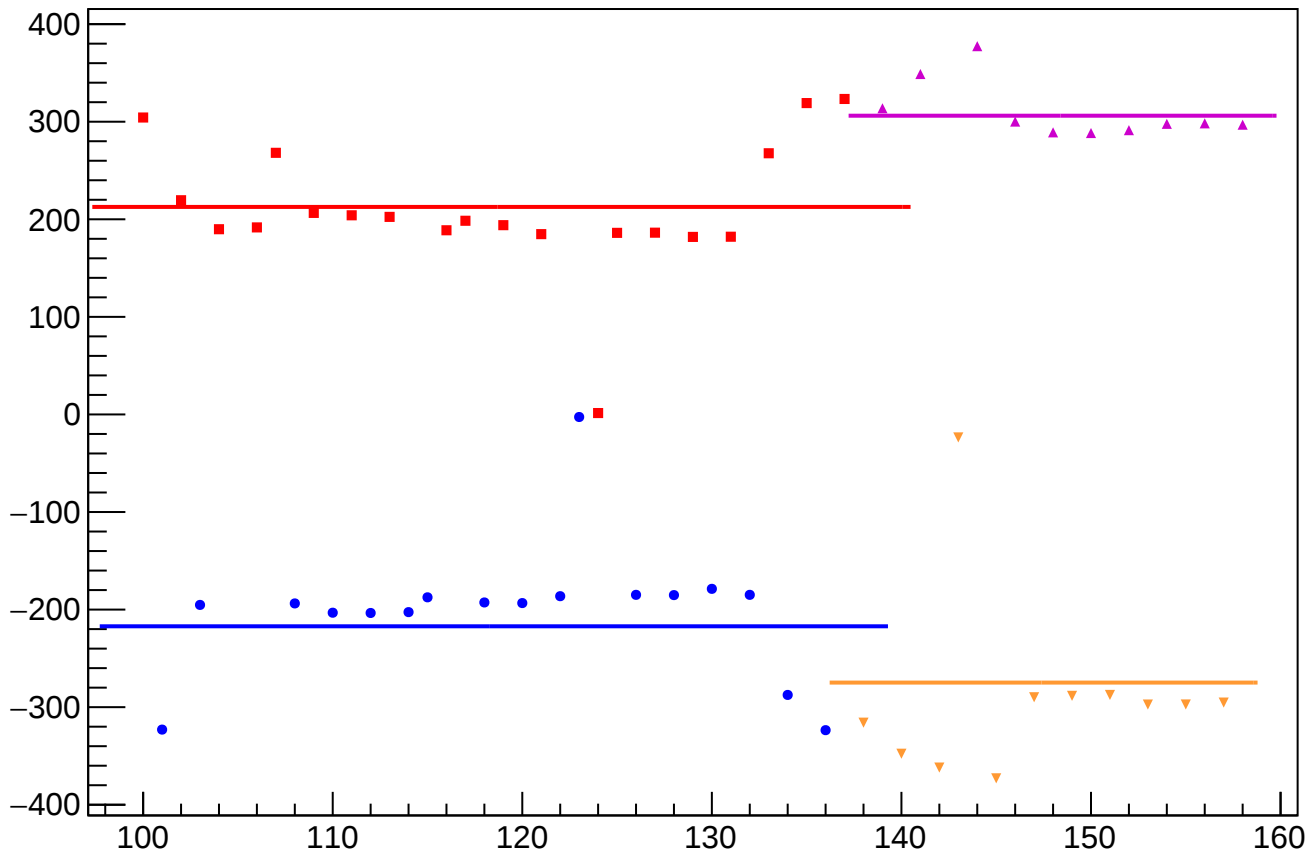
Left In: -132.955 $\pm$ 2.733 χ^2 /NDF: 146.6/9

117.359 $\pm$ 1.702 χ^2 /NDF: 1127.7/27

0.200 $\pm$ 1.208 χ^2 /NDF: 11429.6/57

-118.637 $\pm$ 1.715 χ^2 /NDF: 761.7/29

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



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

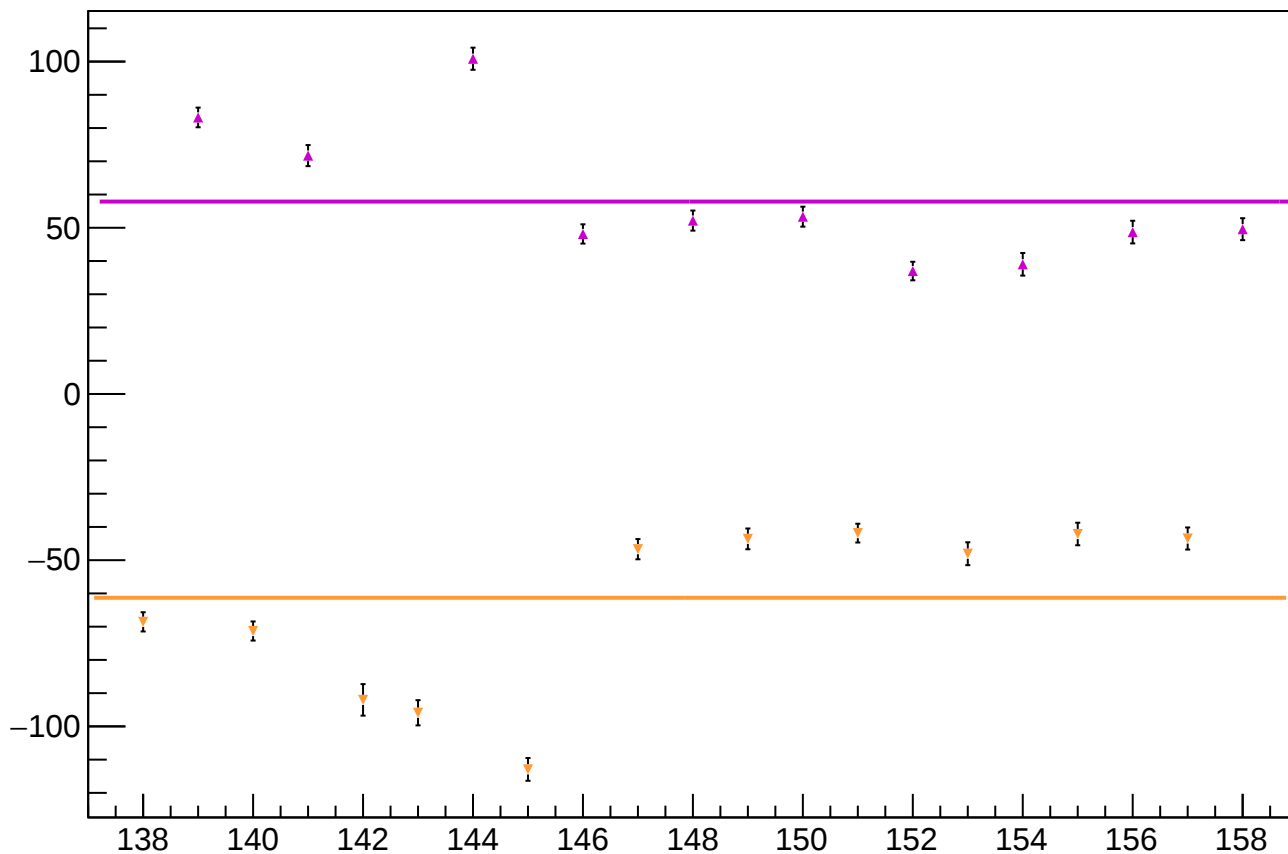
Left In: 306.162+/-0.133 χ^2/NDF : 35711.5/9

-246.586+/-0.096 χ^2/NDF : 777974.1/27

13.114+/-0.067 χ^2/NDF : 15556488.1/57

258.480+/-0.093 χ^2/NDF : 404610.5/29

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -61.308+/-0.982 χ^2/NDF : 548.7/10

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

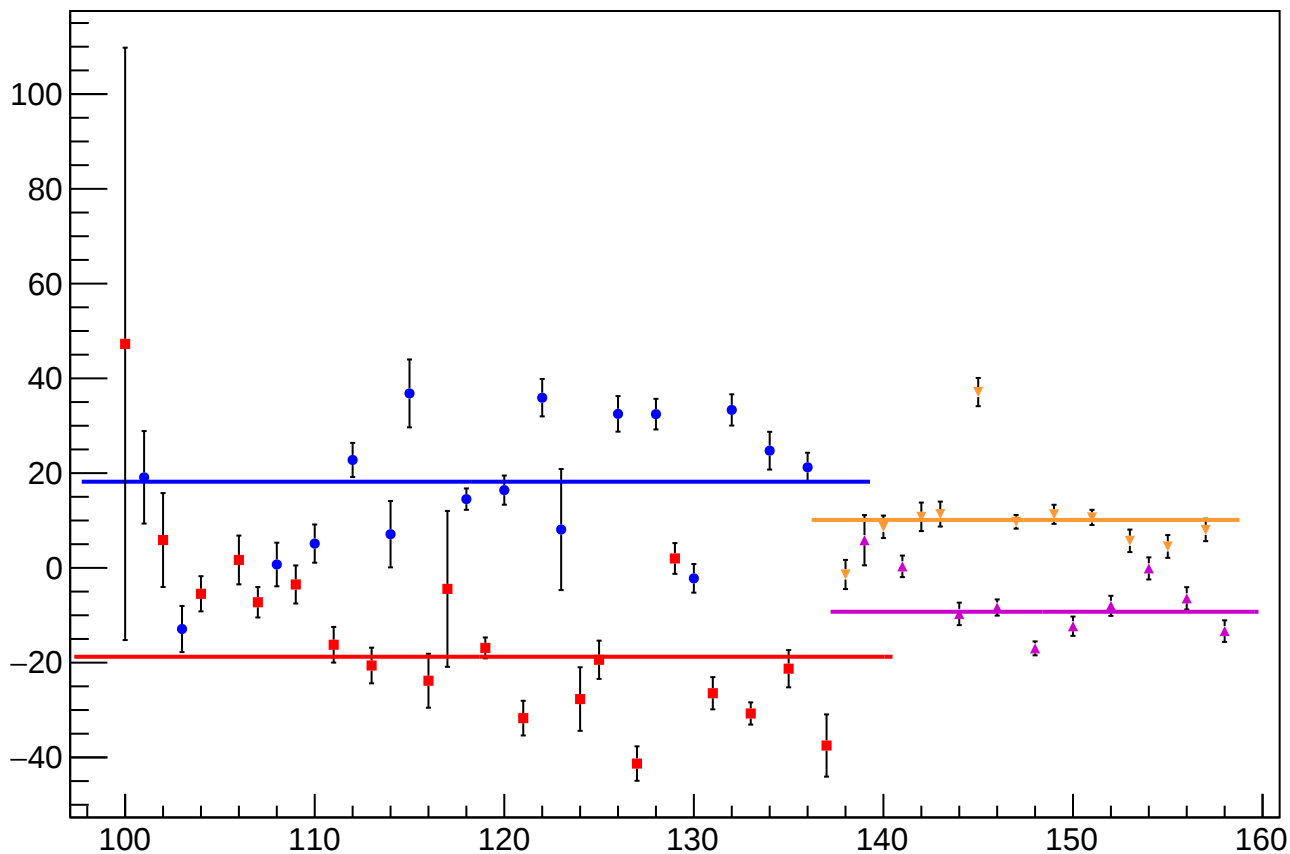
Left In: 57.882+/-0.983 χ^2/NDF : 376.5/9

-61.308+/-0.982 χ^2/NDF : 548.7/10

-1.765+/-0.694 χ^2/NDF : 8289.1/20

57.882+/-0.983 χ^2/NDF : 376.5/9

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



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

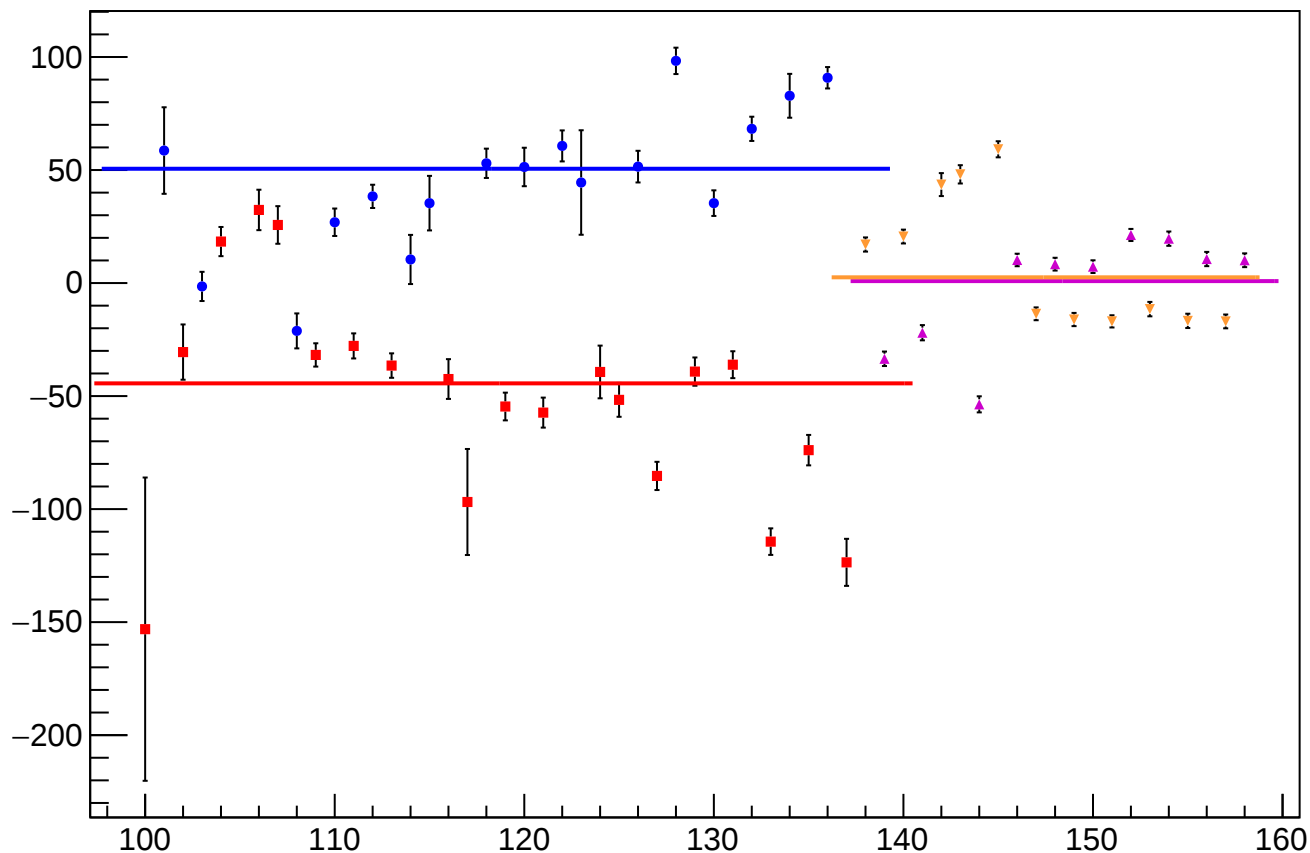
Left In: -9.262 ± 0.669 χ^2/NDF : 76.5/9

12.875 ± 0.536 χ^2/NDF : 362.6/27

-0.159 ± 0.376 χ^2/NDF : 1881.2/57

-12.832 ± 0.528 χ^2/NDF : 351.7/29

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 50.565 ± 1.678 $\chi^2/\text{NDF}: 357.9/16$

Left Out: 2.533 ± 0.967 $\chi^2/\text{NDF}: 723.2/10$

Right Out: -44.377 ± 1.599 $\chi^2/\text{NDF}: 537.6/19$

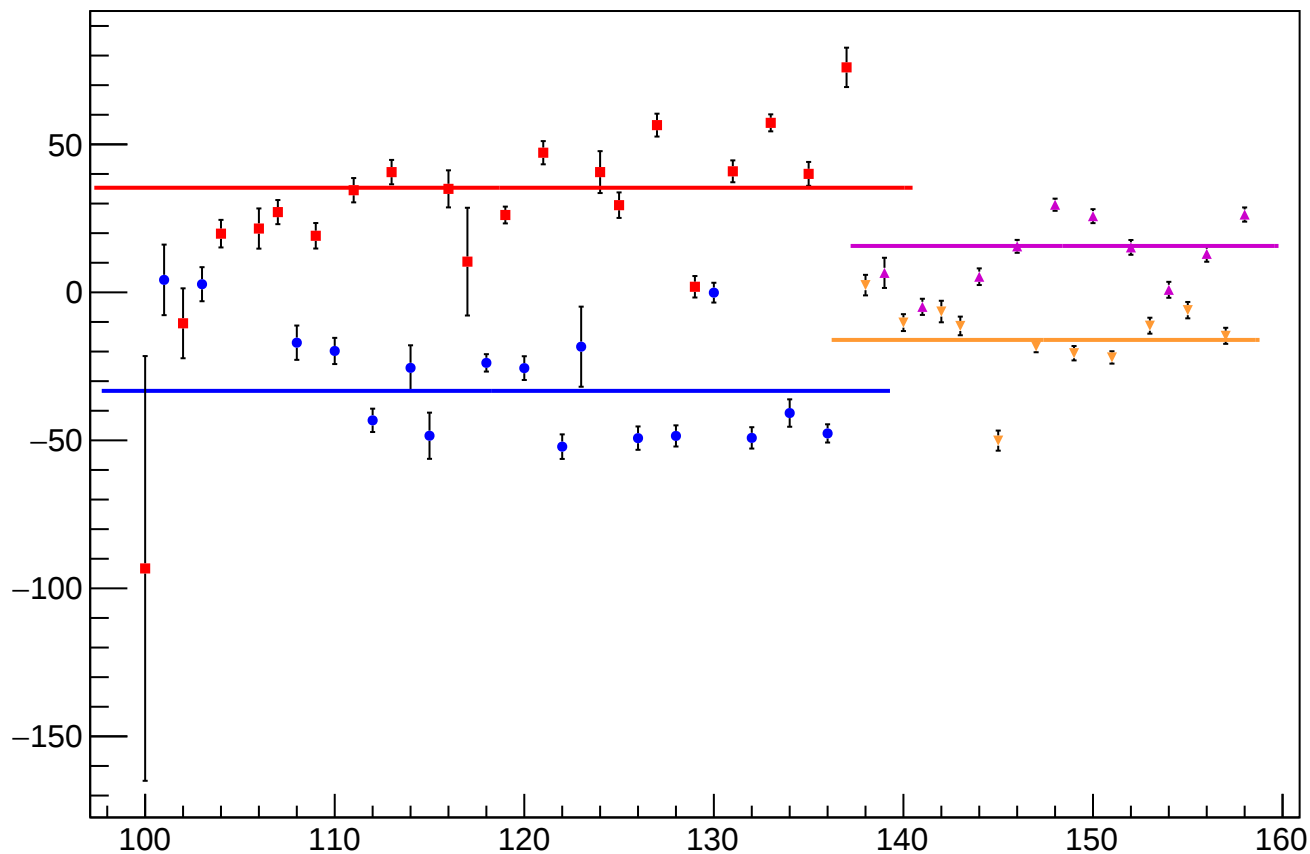
Left In: 0.862 ± 0.956 $\chi^2/\text{NDF}: 531.2/9$

14.510 ± 0.838 $\chi^2/\text{NDF}: 1696.5/27$

1.464 ± 0.586 $\chi^2/\text{NDF}: 3830.3/57$

-11.062 ± 0.821 $\chi^2/\text{NDF}: 1658.4/29$

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.281+/-1.043 χ^2/NDF : 290.1/16

Left Out: -16.066+/-0.810 χ^2/NDF : 171.5/10

Right Out: 35.343+/-0.990 χ^2/NDF : 291.6/19

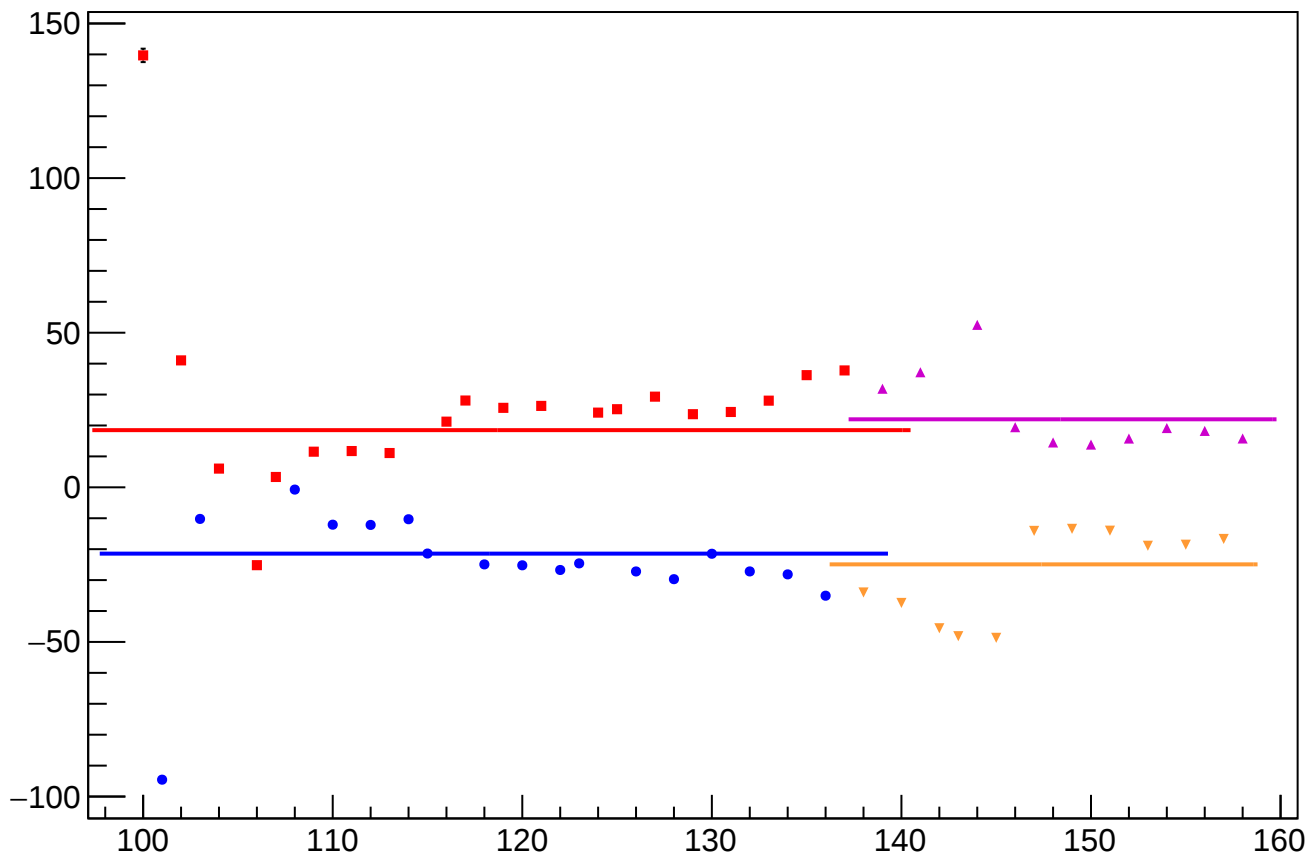
Left In: 15.682+/-0.806 χ^2/NDF : 188.8/9

-22.535+/-0.640 χ^2/NDF : 631.5/27

1.022+/-0.447 χ^2/NDF : 4000.9/57

23.525+/-0.625 χ^2/NDF : 717.6/29

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



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

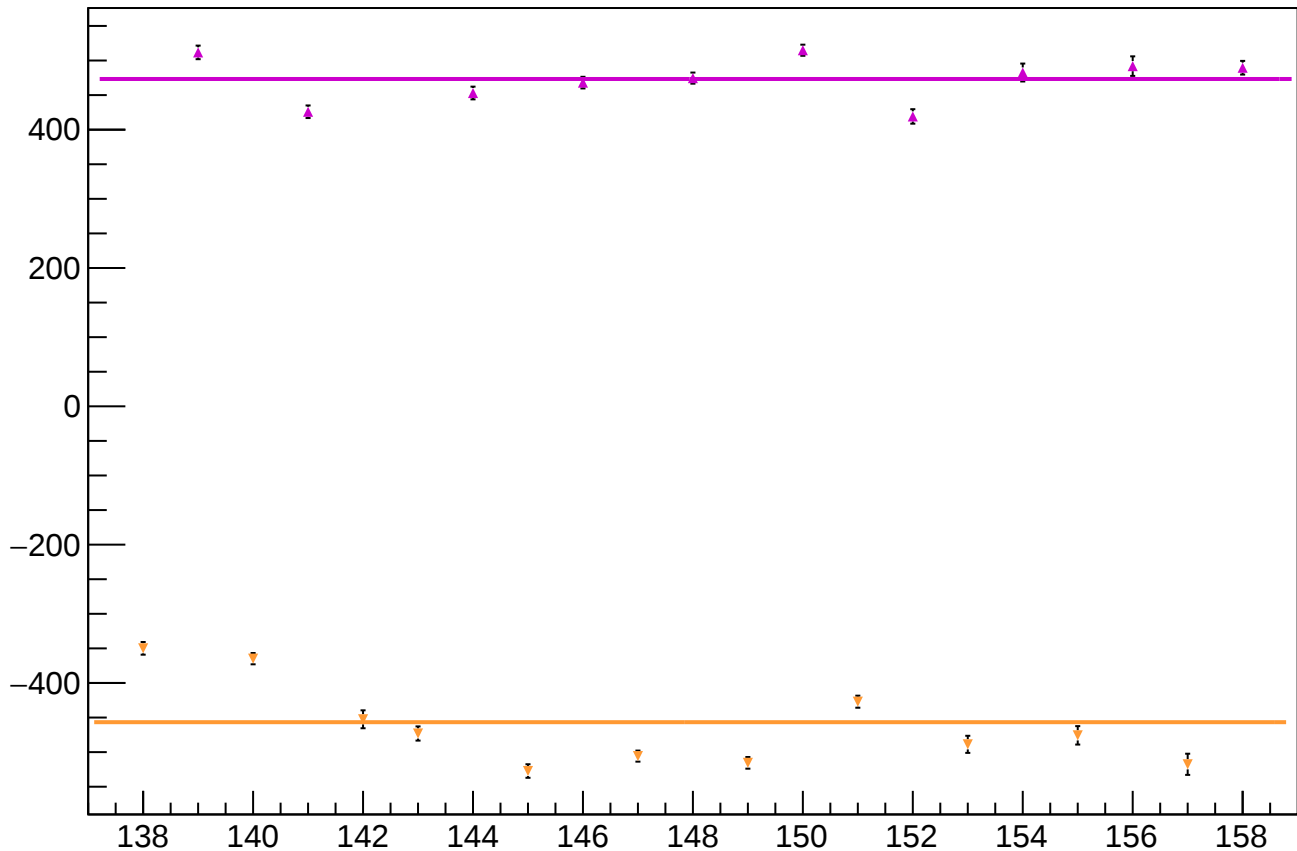
Left In: 21.994 ± 0.037 χ^2/NDF : 76229.4/9

-23.884 ± 0.032 χ^2/NDF : 161165.8/27

-0.907 ± 0.022 χ^2/NDF : 1321245.0/57

20.949 ± 0.031 χ^2/NDF : 159401.7/29

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -456.706+/-2.988 χ^2/NDF : 438.8/10

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

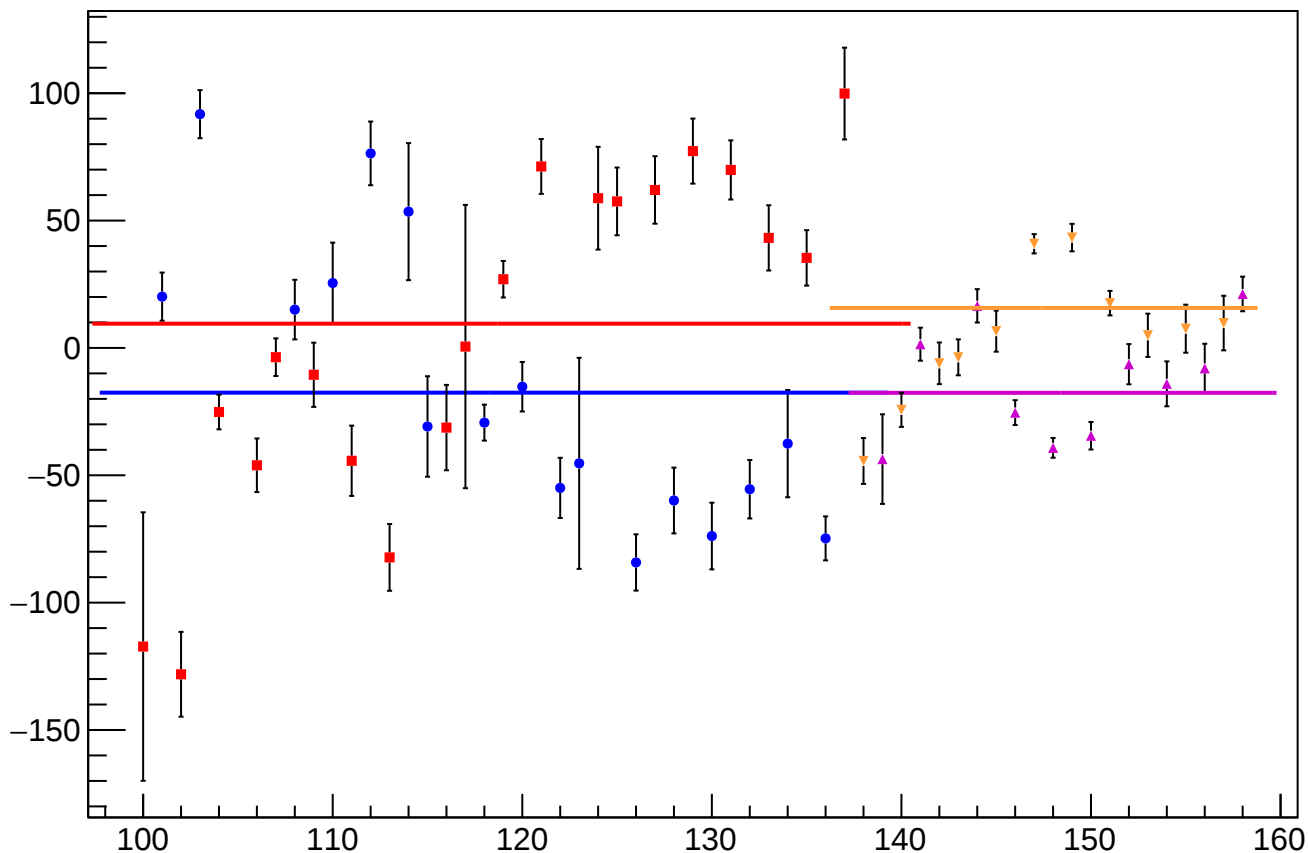
Left In: 473.292+/-3.018 χ^2/NDF : 106.3/9

-456.706+/-2.988 χ^2/NDF : 438.8/10

3.616+/-2.123 χ^2/NDF : 48500.3/20

473.292+/-3.018 χ^2/NDF : 106.3/9

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



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

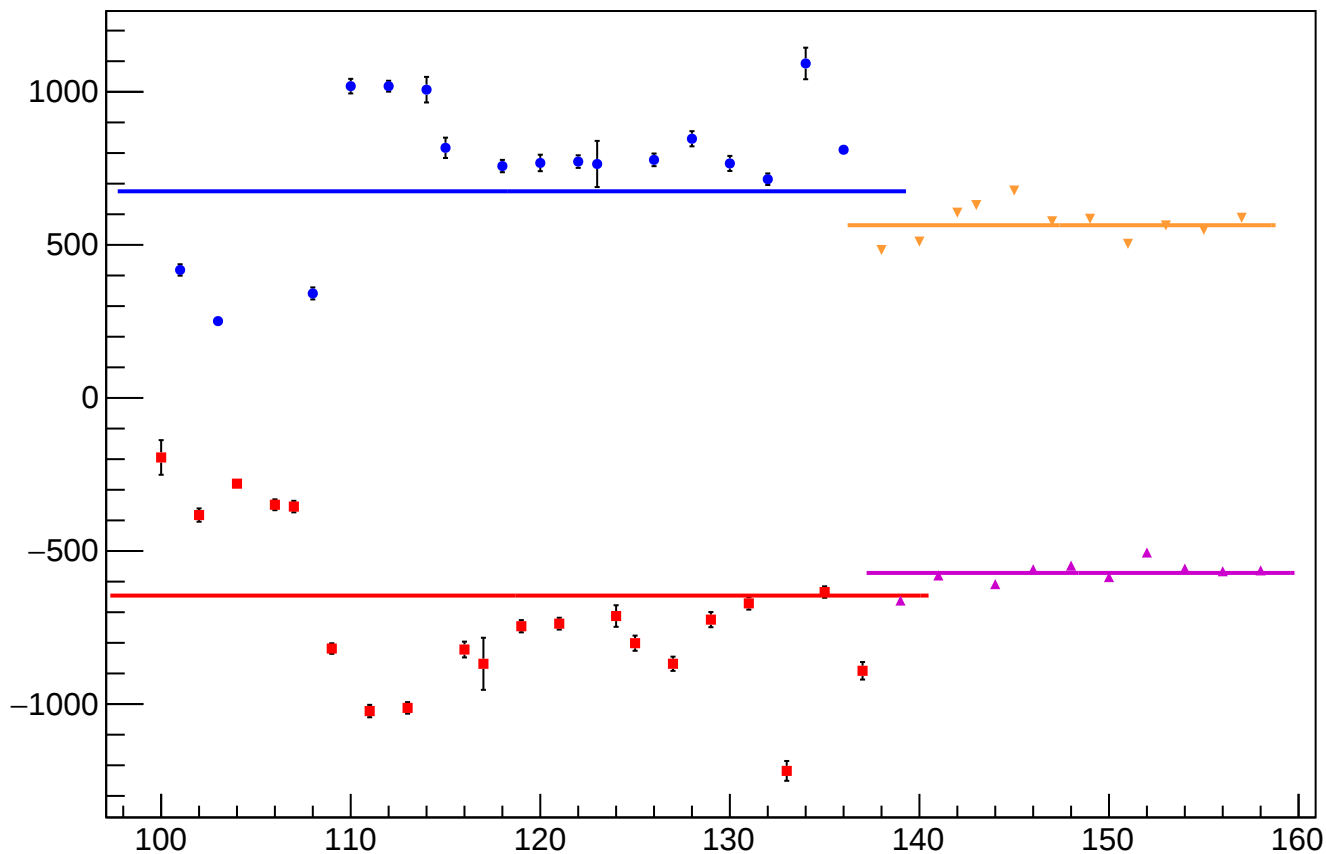
Left In: -17.629 ± 1.984 χ^2/NDF : 117.0/9

5.039 ± 1.597 χ^2/NDF : 627.7/27

-1.389 ± 1.123 χ^2/NDF : 1215.7/57

-7.665 ± 1.578 χ^2/NDF : 556.0/29

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



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

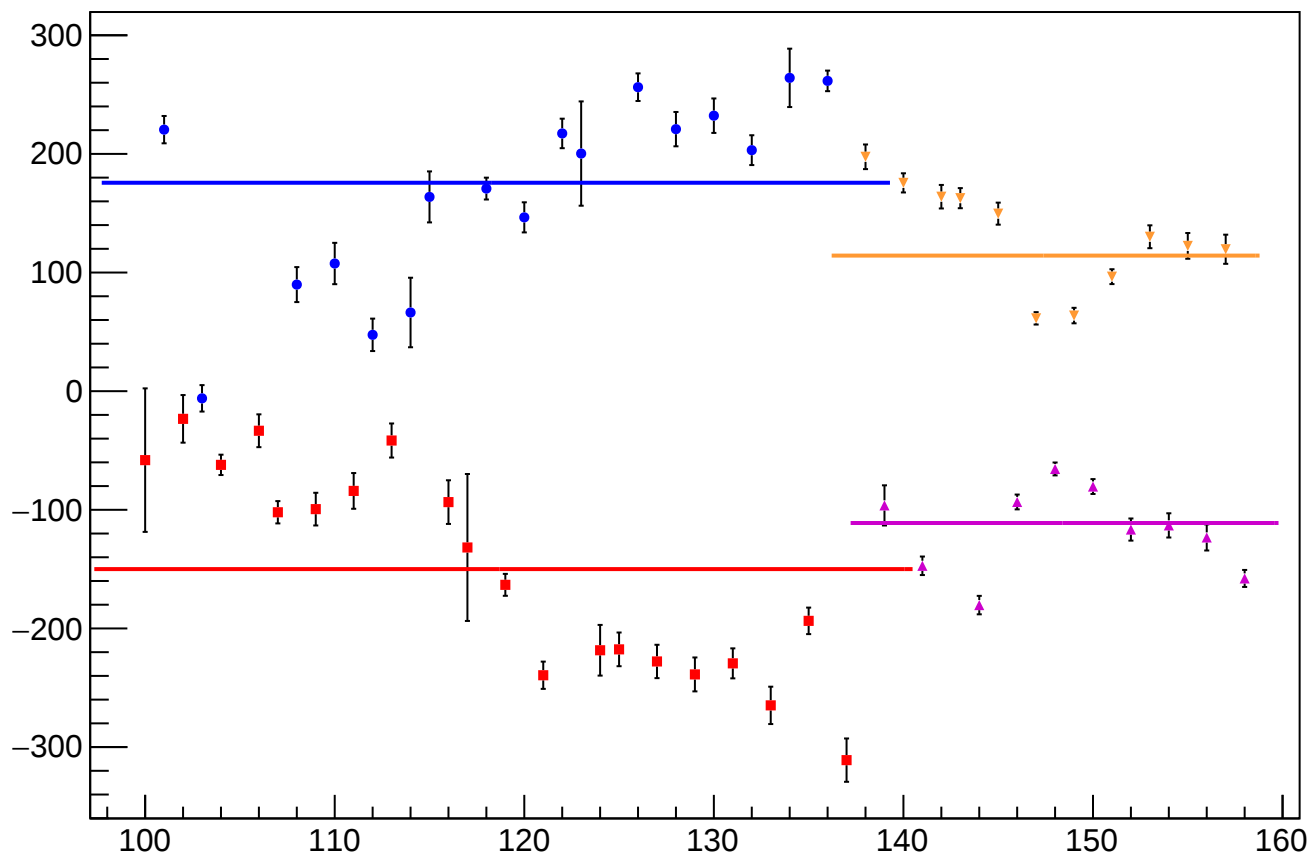
Left In: -571.598+/-2.943 χ^2/NDF : 148.6/9

592.467+/-2.558 χ^2/NDF : 3277.9/27

-12.921+/-1.789 χ^2/NDF : 116304.5/57

-592.105+/-2.502 χ^2/NDF : 3452.9/29

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 175.686 ± 3.239 χ^2/NDF : 637.9/16

Left Out: 114.283 ± 2.413 χ^2/NDF : 368.1/10

Right Out: -149.973 ± 3.038 χ^2/NDF : 693.8/19

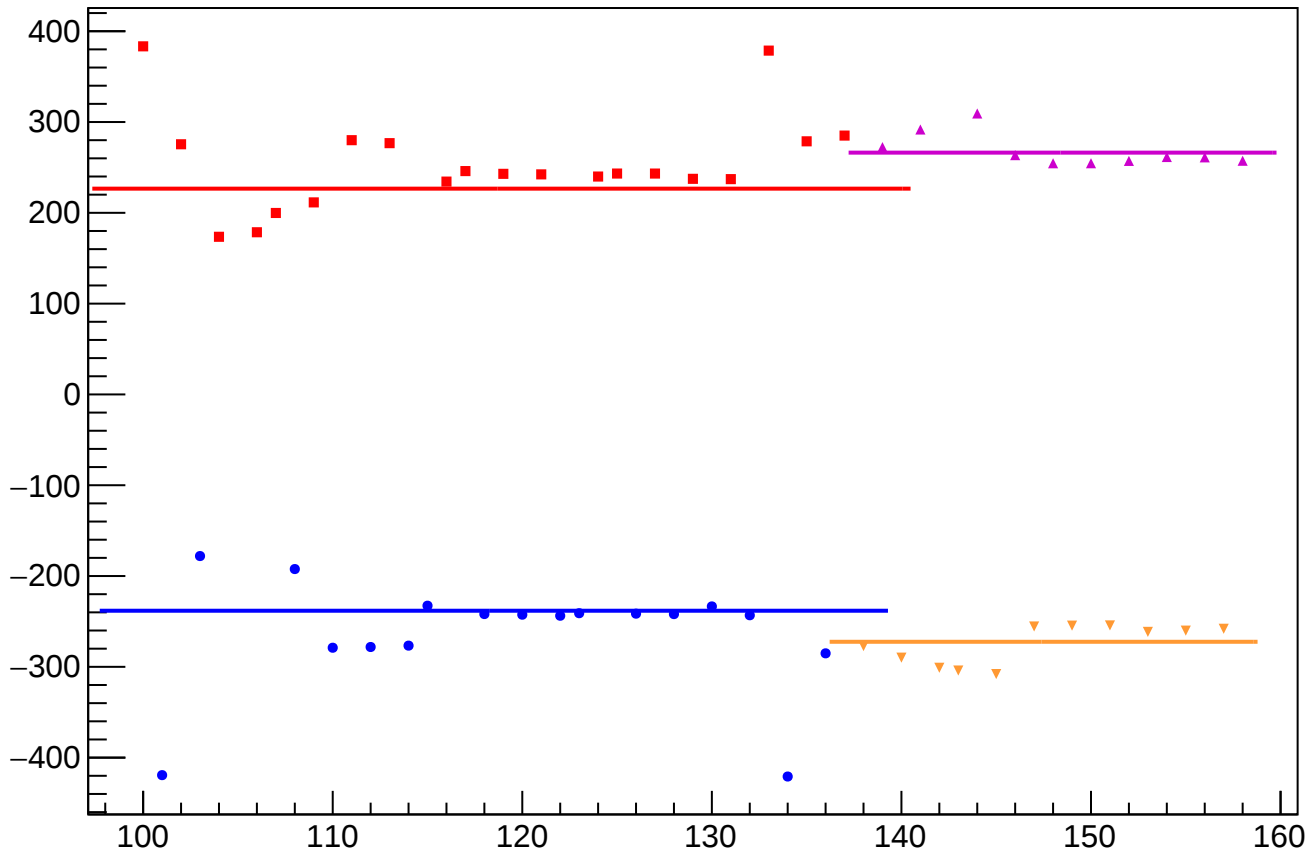
Left In: -111.118 ± 2.424 χ^2/NDF : 247.8/9

136.198 ± 1.935 χ^2/NDF : 1237.2/27

2.249 ± 1.354 χ^2/NDF : 11668.4/57

-126.232 ± 1.895 χ^2/NDF : 1041.5/29

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



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

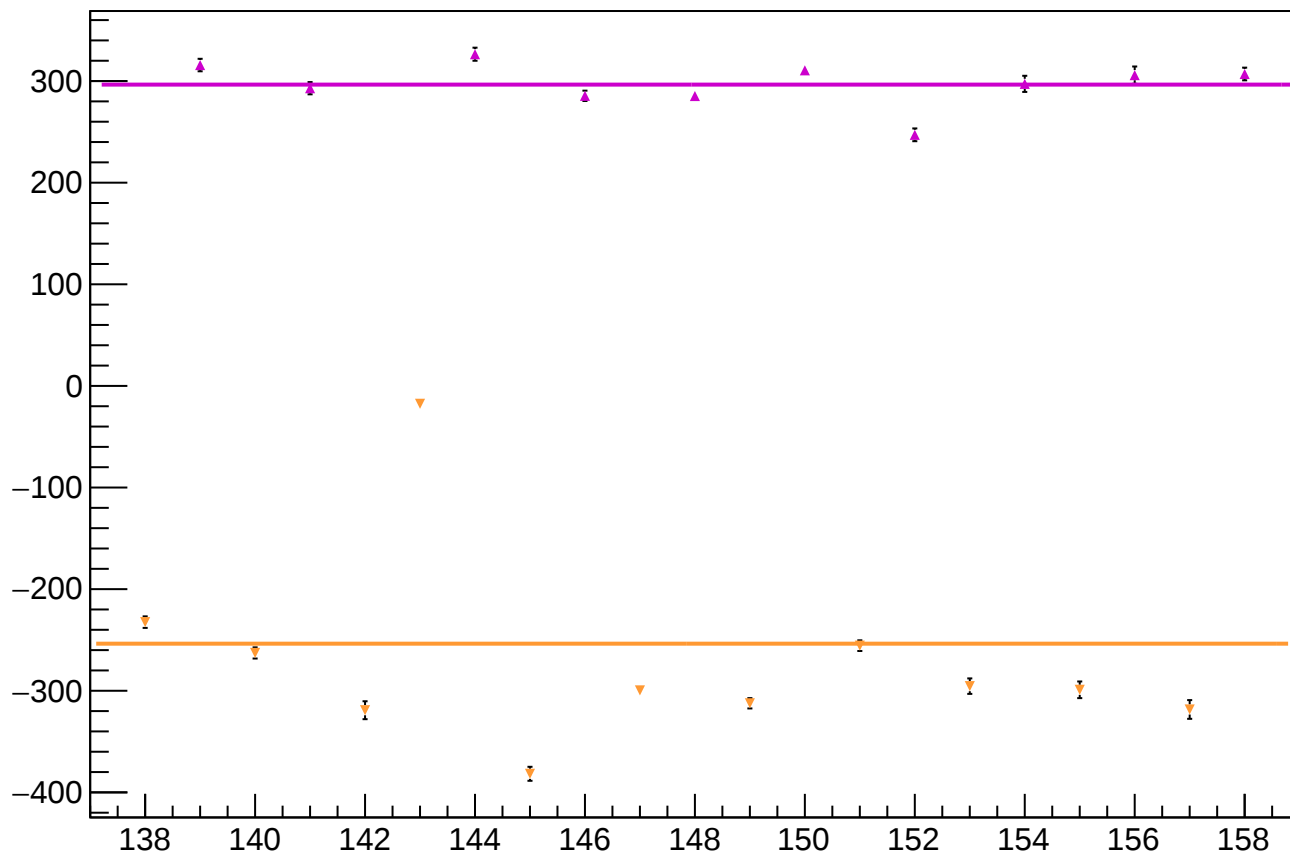
Left In: 266.288+/-0.118 χ^2/NDF : 18797.6/9

-259.938+/-0.097 χ^2/NDF : 223519.1/27

6.660+/-0.067 χ^2/NDF : 14902391.2/57

251.320+/-0.093 χ^2/NDF : 164274.4/29

reg_asym_atl_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -253.661+/-1.824 χ^2/NDF : 3028.6/10

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

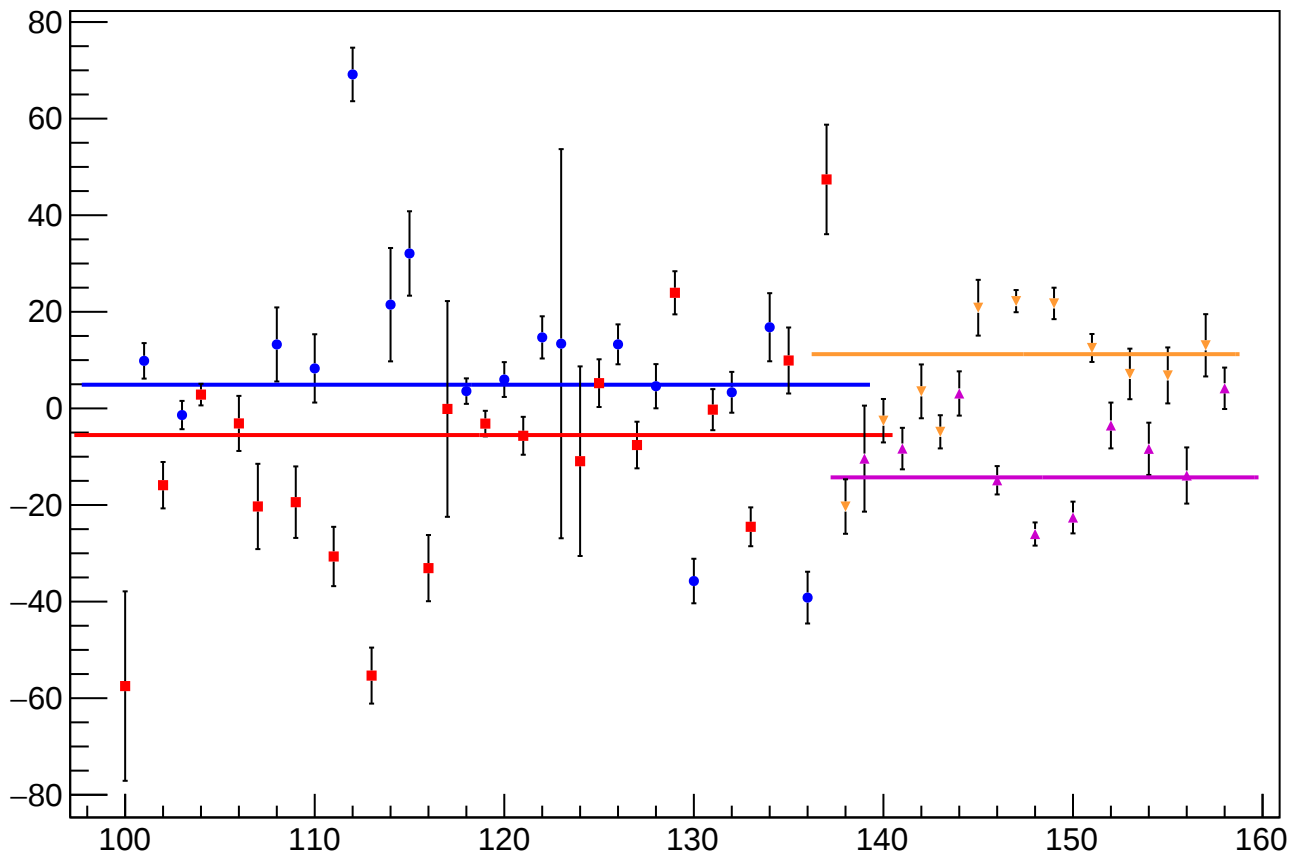
Left In: 296.513+/-1.889 χ^2/NDF : 115.7/9

-253.661+/-1.824 χ^2/NDF : 3028.6/10

11.840+/-1.312 χ^2/NDF : 47029.8/20

296.513+/-1.889 χ^2/NDF : 115.7/9

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.905 ± 1.105 $\chi^2/\text{NDF}: 311.7/16$

Left Out: 11.232 ± 1.177 $\chi^2/\text{NDF}: 102.0/10$

Right Out: -5.517 ± 1.067 $\chi^2/\text{NDF}: 239.0/19$

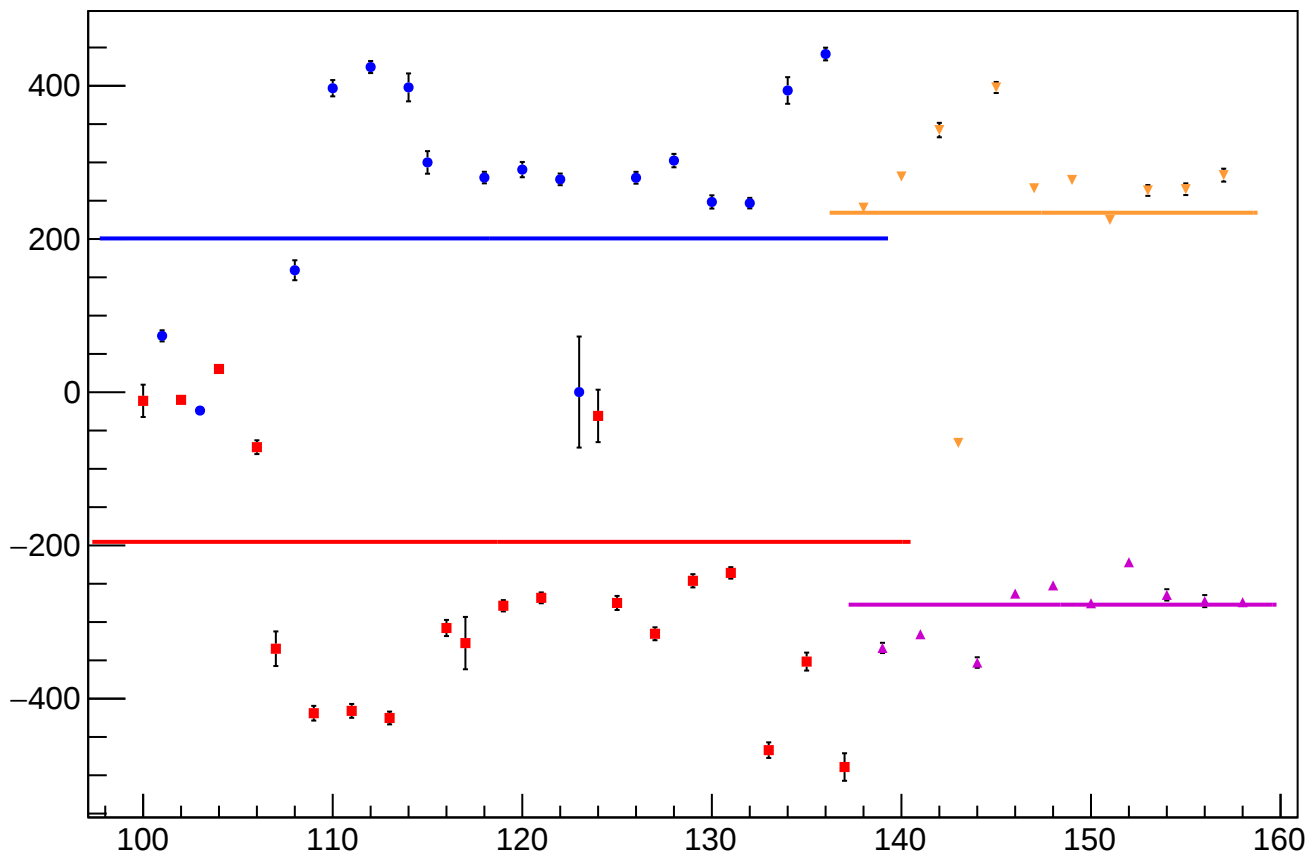
Left In: -14.277 ± 1.236 $\chi^2/\text{NDF}: 71.6/9$

7.869 ± 0.806 $\chi^2/\text{NDF}: 429.0/27$

-0.675 ± 0.570 $\chi^2/\text{NDF}: 993.7/57$

-9.260 ± 0.808 $\chi^2/\text{NDF}: 339.3/29$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

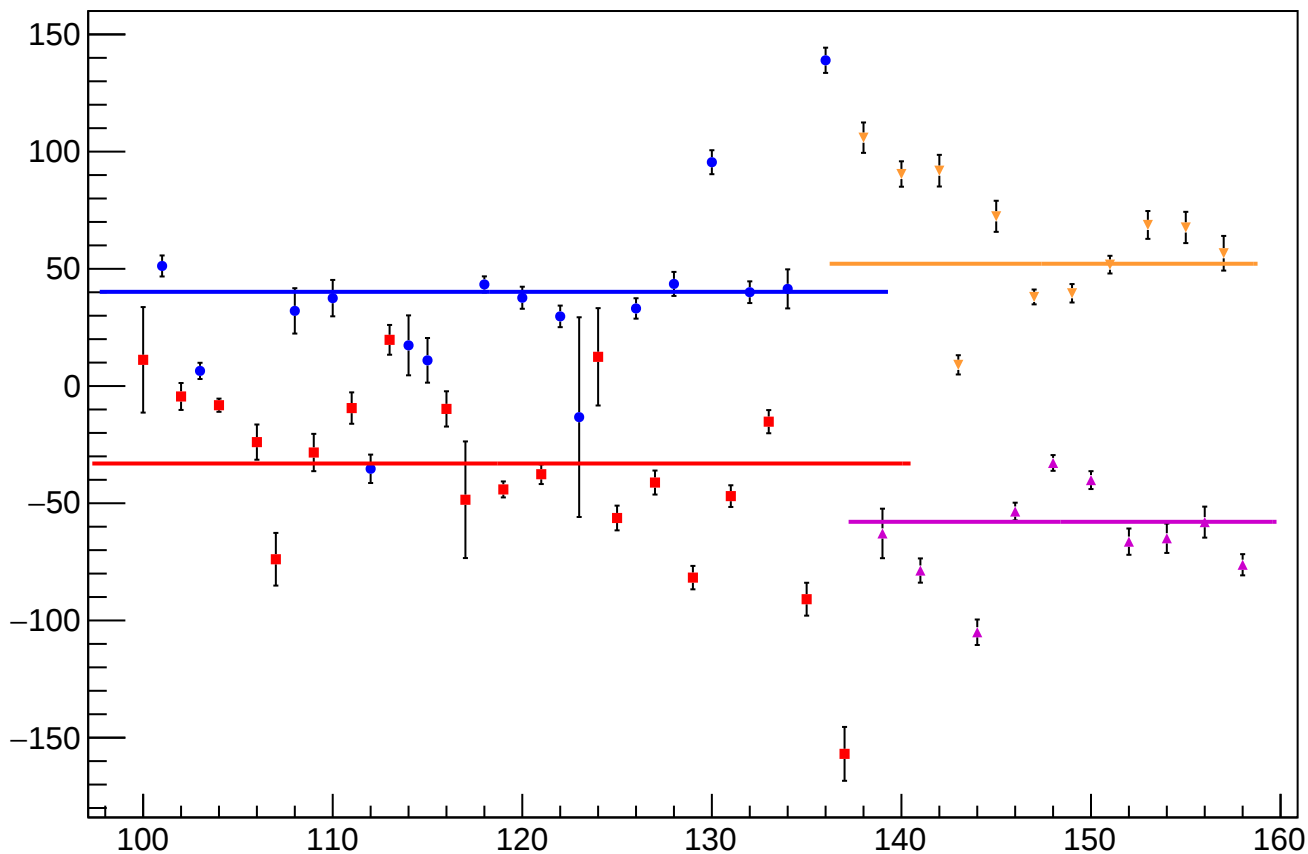
Left In: -277.296 $\pm$ 1.835 χ^2 /NDF: 354.9/9

219.101 $\pm$ 1.336 χ^2 /NDF: 11038.1/27

-11.094 $\pm$ 0.941 χ^2 /NDF: 79586.1/57

-238.173 $\pm$ 1.327 χ^2 /NDF: 9569.5/29

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 40.185+/-1.283 χ^2/NDF : 734.6/16

Left Out: 52.168+/-1.466 χ^2/NDF : 316.5/10

Right Out: -33.045+/-1.249 χ^2/NDF : 553.1/19

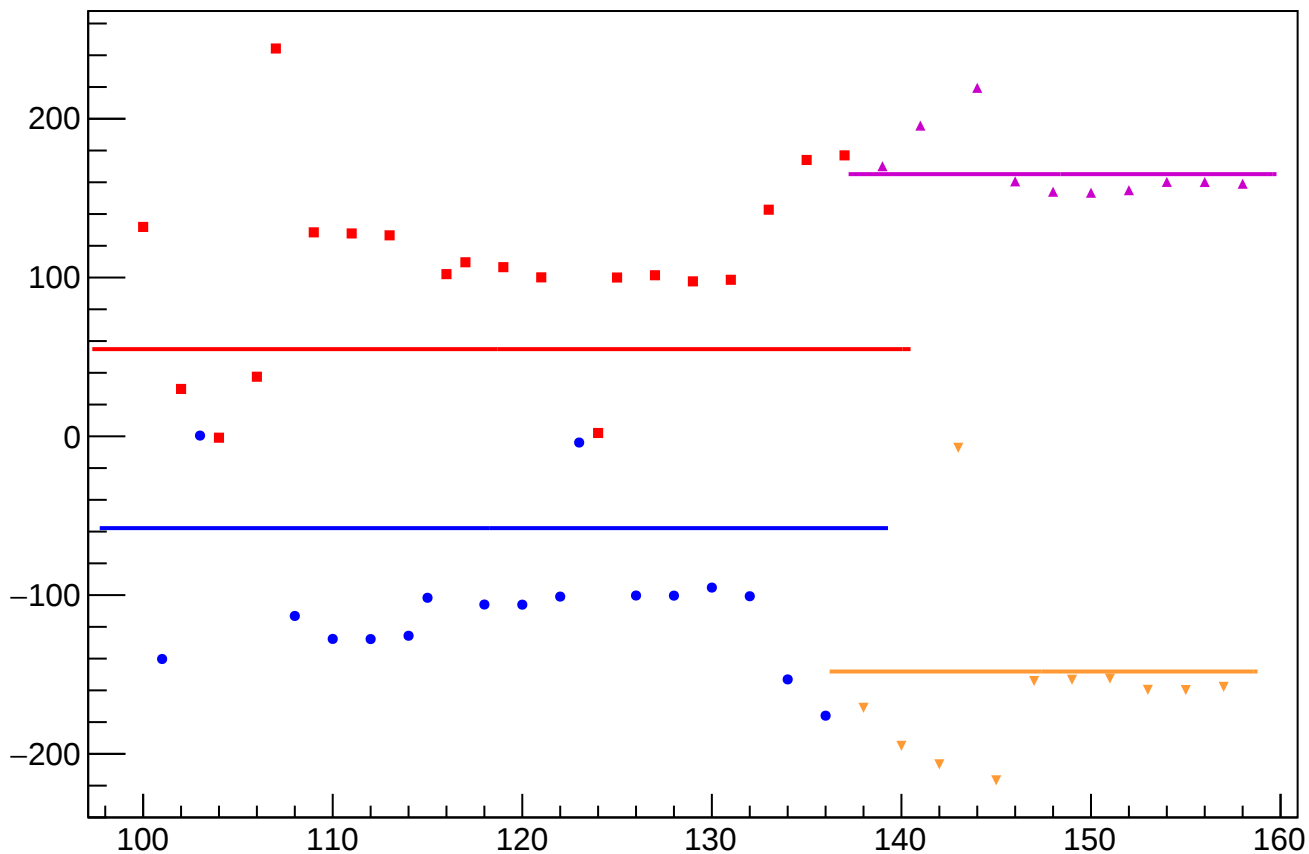
Left In: -57.919+/-1.513 χ^2/NDF : 190.3/9

45.385+/-0.965 χ^2/NDF : 1088.9/27

1.018+/-0.682 χ^2/NDF : 6206.6/57

-43.127+/-0.963 χ^2/NDF : 904.2/29

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -57.821+/-0.062 χ^2/NDF : 1101296.2/16

Left Out: -148.126+/-0.074 χ^2/NDF : 575991.5/10

Right Out: 54.915+/-0.060 χ^2/NDF : 1001968.3/19

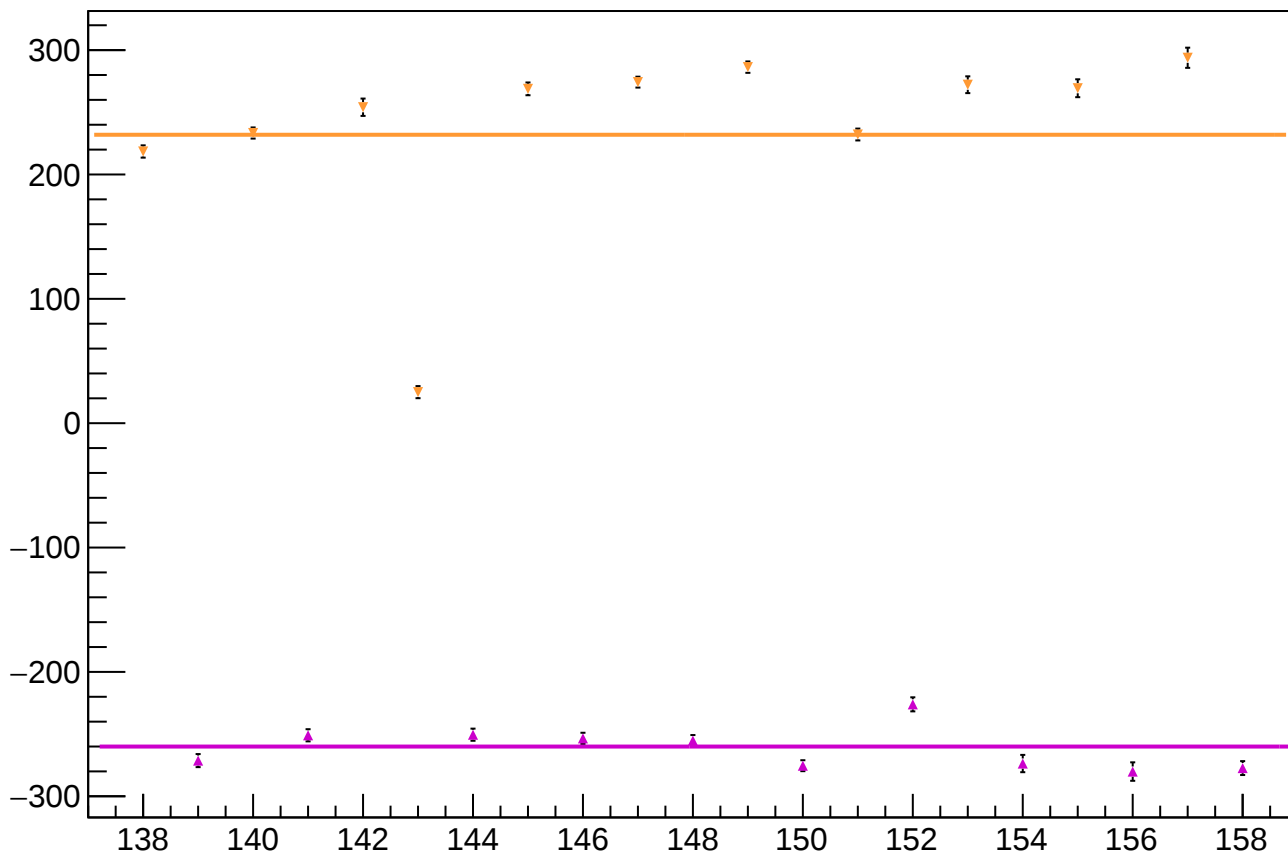
Left In: 165.124+/-0.073 χ^2/NDF : 57272.4/9

-94.888+/-0.047 χ^2/NDF : 2554058.8/27

4.128+/-0.033 χ^2/NDF : 13506856.7/57

99.305+/-0.047 χ^2/NDF : 2409728.1/29

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 231.942 $\pm$ 1.598 χ^2/NDF :2230.2/10

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

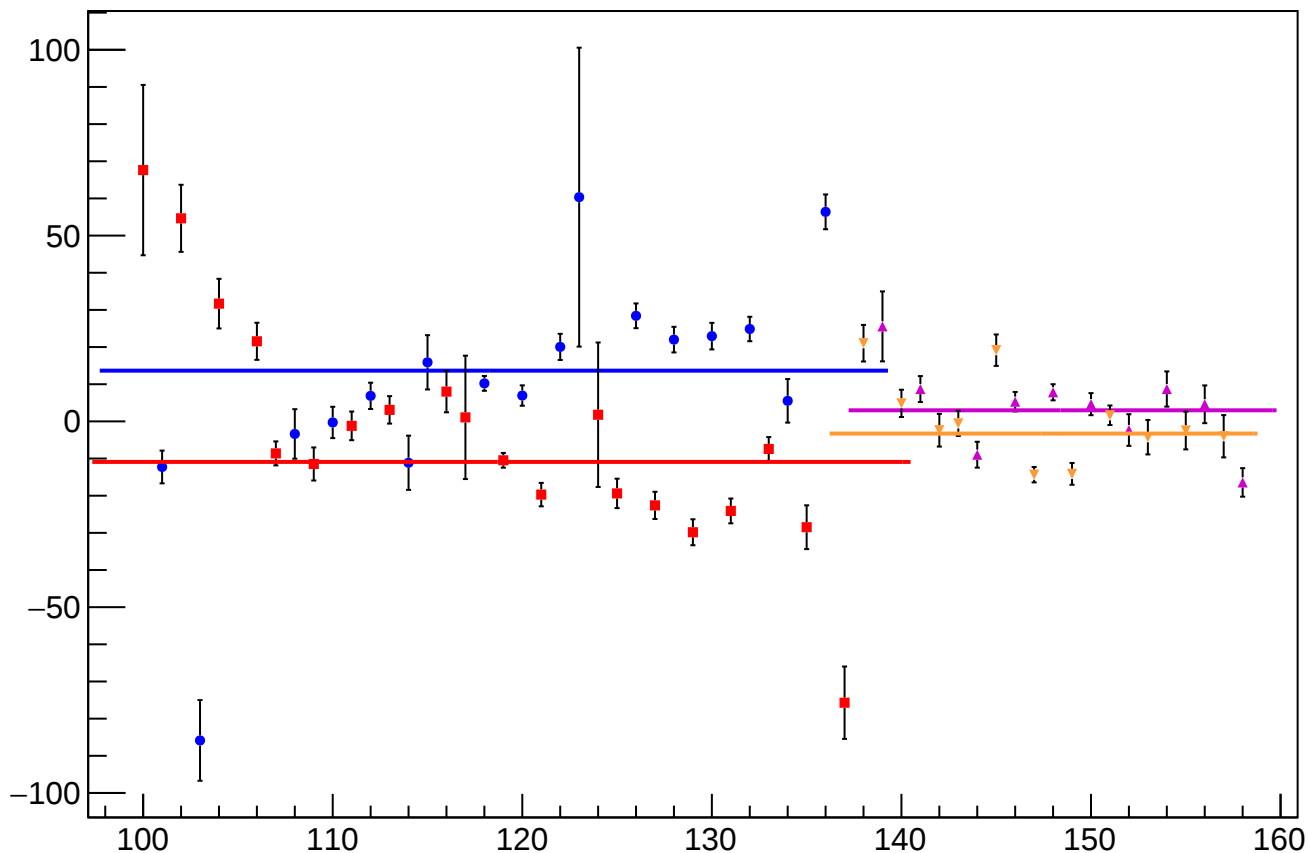
Left In: -260.023 $\pm$ -1.637 χ^2/NDF :84.2/9

231.942 $\pm$ -1.598 χ^2/NDF : 2230.2/10

-8.038 $\pm$ -1.144 χ^2/NDF : 48549.2/20

-260.023 $\pm$ -1.637 χ^2/NDF : 84.2/9

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

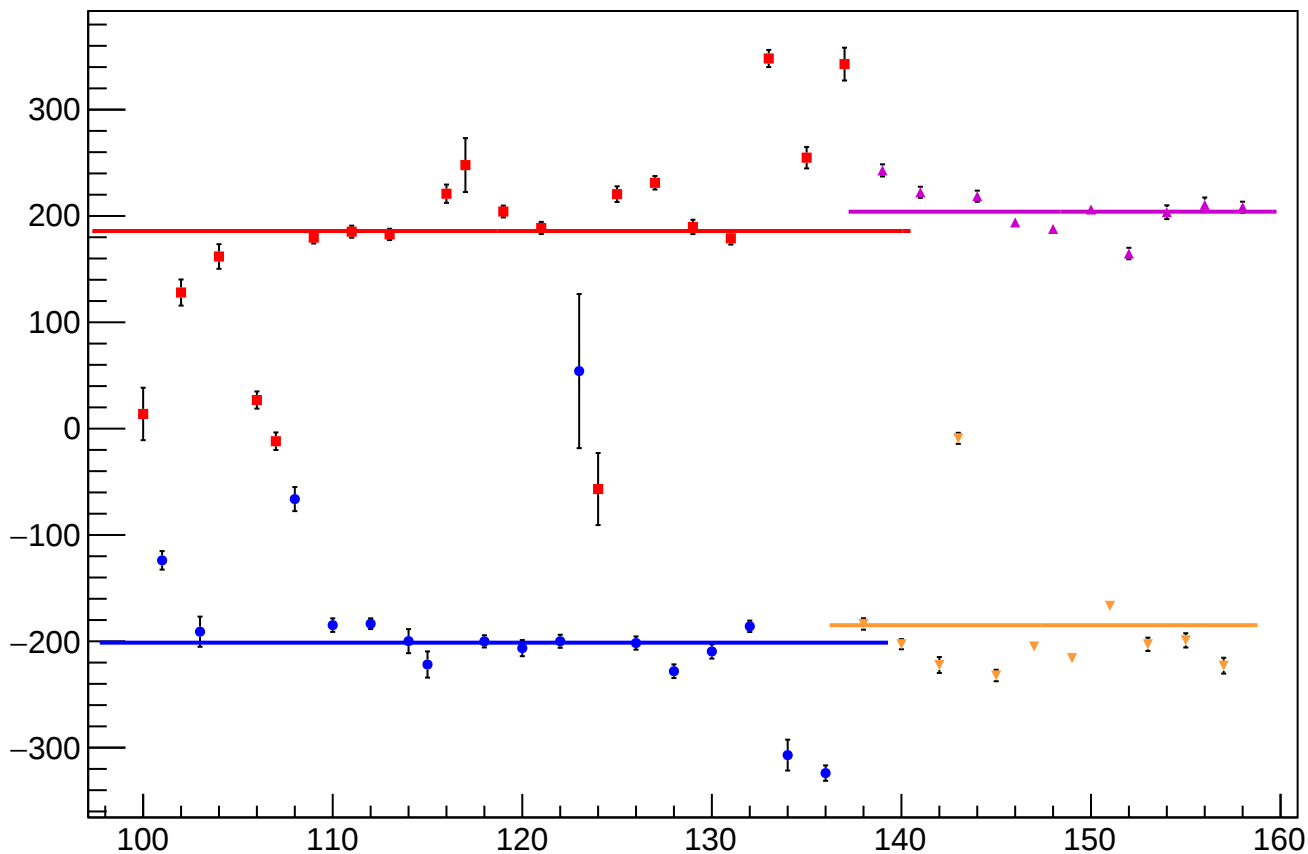
Left In: 2.979 ± 1.083 χ^2/NDF : 55.0/9

6.100 ± 0.697 χ^2/NDF : 543.7/27

0.482 ± 0.493 χ^2/NDF : 1128.1/57

-5.146 ± 0.697 χ^2/NDF : 454.3/29

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -201.266 ± 1.795 χ^2/NDF : 623.4/16

Left Out: -184.831 ± 1.589 χ^2/NDF : 1389.1/10

Right Out: 185.871 ± 1.695 χ^2/NDF : 1752.0/19

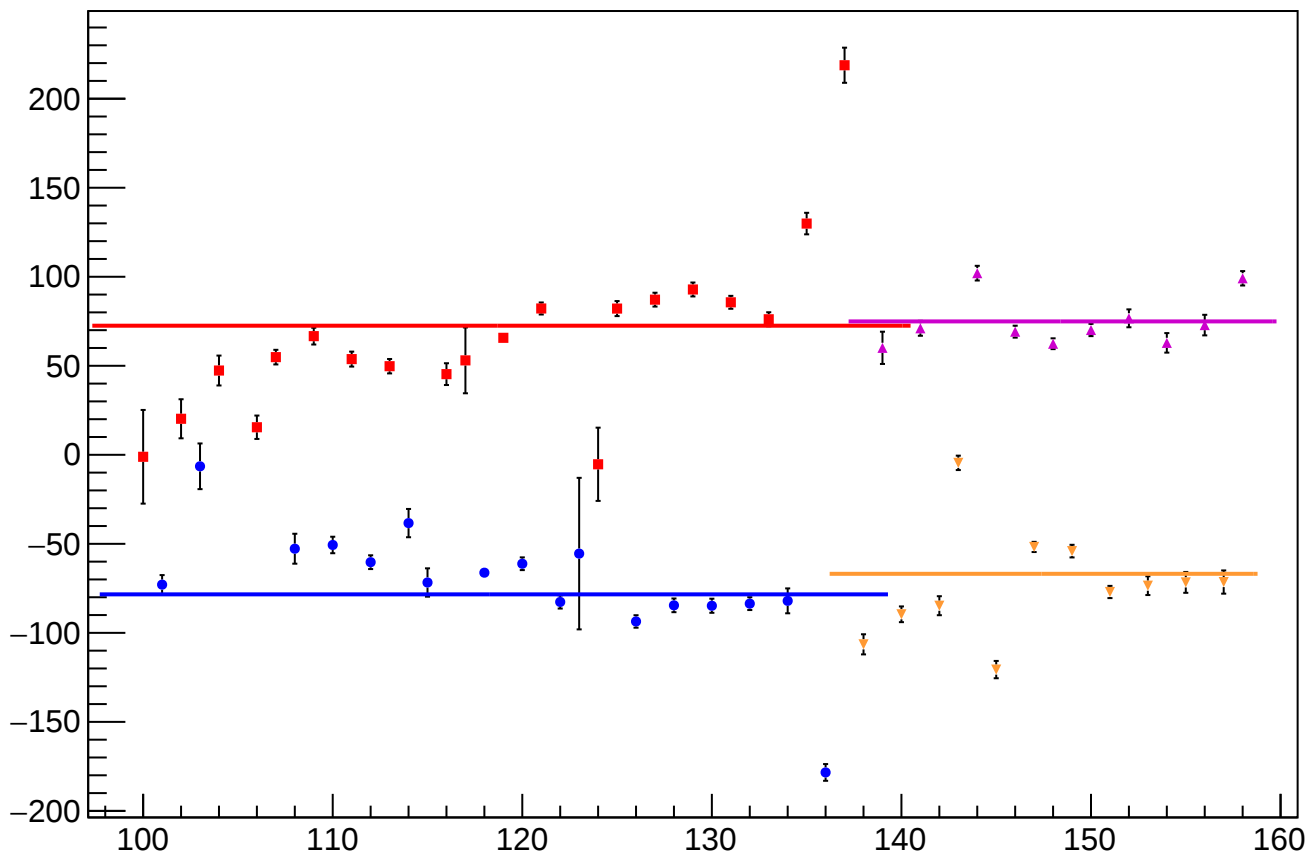
Left In: 204.031 ± 1.599 χ^2/NDF : 141.6/9

-192.050 ± 1.190 χ^2/NDF : 2059.5/27

6.086 ± 0.832 χ^2/NDF : 58248.4/57

195.482 ± 1.163 χ^2/NDF : 1954.4/29

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -78.376 ± 1.081 χ^2/NDF : 651.4/16

Left Out: -66.839 ± 1.295 χ^2/NDF : 498.8/10

Right Out: 72.514 ± 1.050 χ^2/NDF : 607.0/19

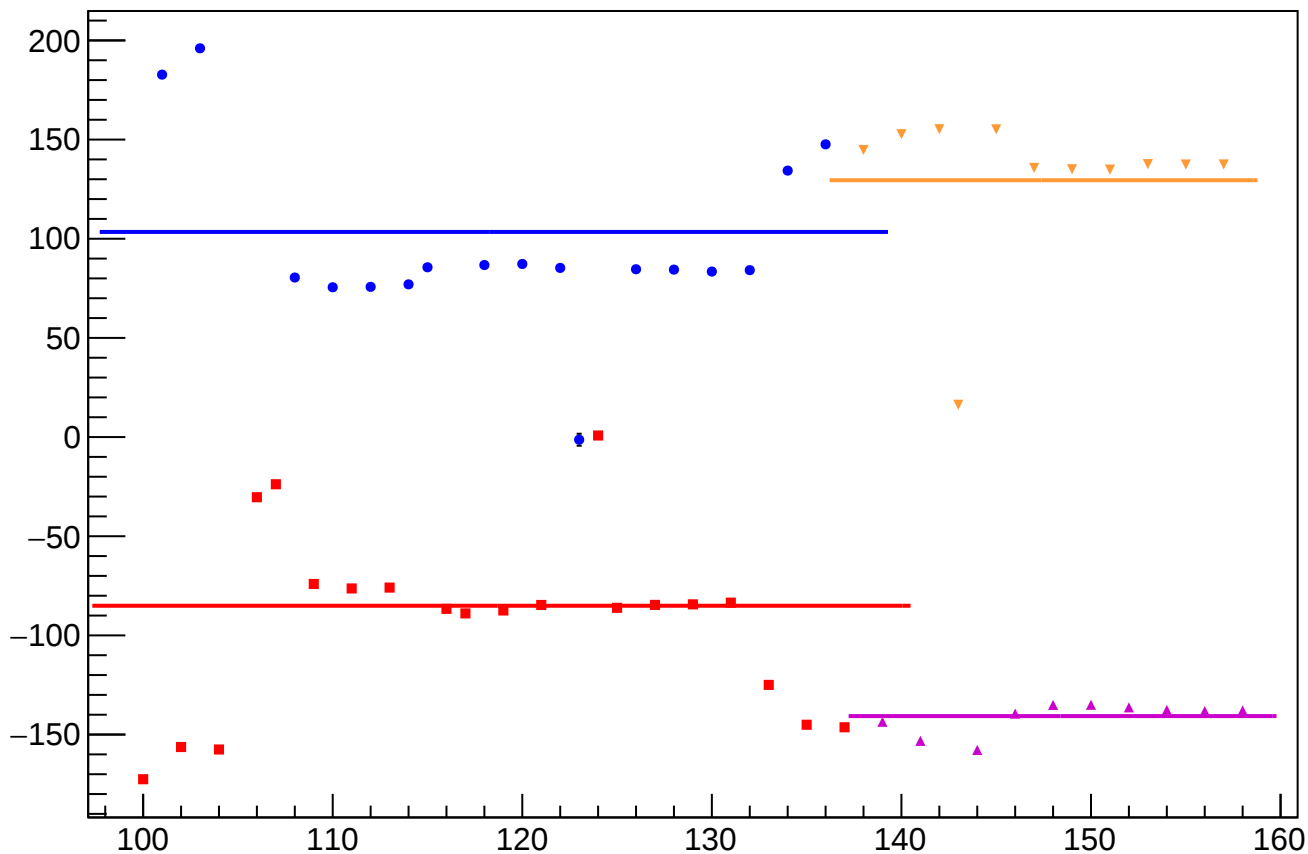
Left In: 74.924 ± 1.321 χ^2/NDF : 109.4/9

-73.637 ± 0.830 χ^2/NDF : 1197.0/27

0.620 ± 0.584 χ^2/NDF : 17767.7/57

73.446 ± 0.822 χ^2/NDF : 718.4/29

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 103.436 $\pm$ 0.071 χ^2/NDF : 272785.6/16

Left Out: 129.506 $\pm$ 0.065 χ^2/NDF : 342030.4/10

Right Out: -85.054 $\pm$ 0.064 χ^2/NDF : 422354.0/19

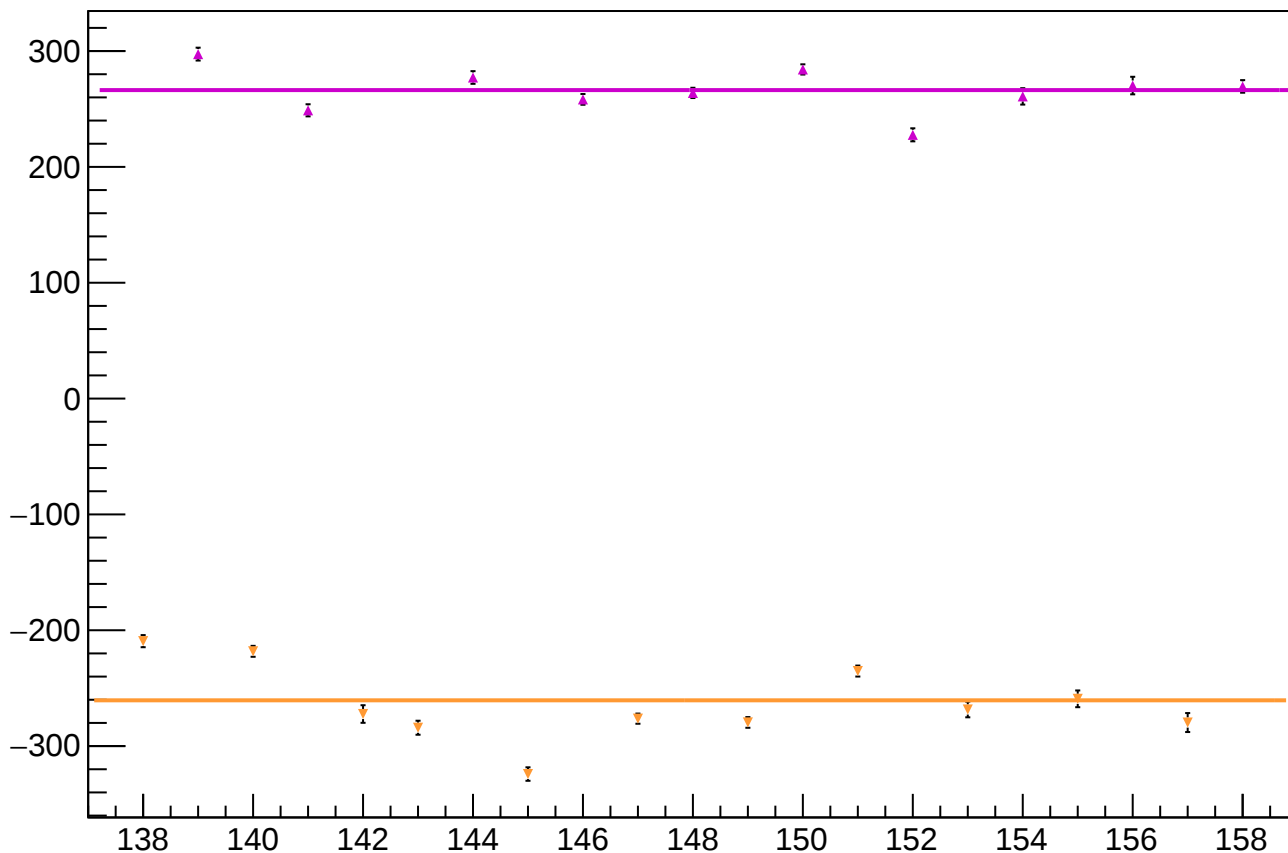
Left In: -140.689 $\pm$ 0.064 χ^2/NDF : 12357.5/9

117.604 $\pm$ 0.048 χ^2/NDF : 688336.3/27

-4.513 $\pm$ 0.033 χ^2/NDF : 13769037.1/57

-112.764 $\pm$ 0.045 χ^2/NDF : 815301.8/29

reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -260.489+/-1.679 χ^2/NDF : 377.8/10

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

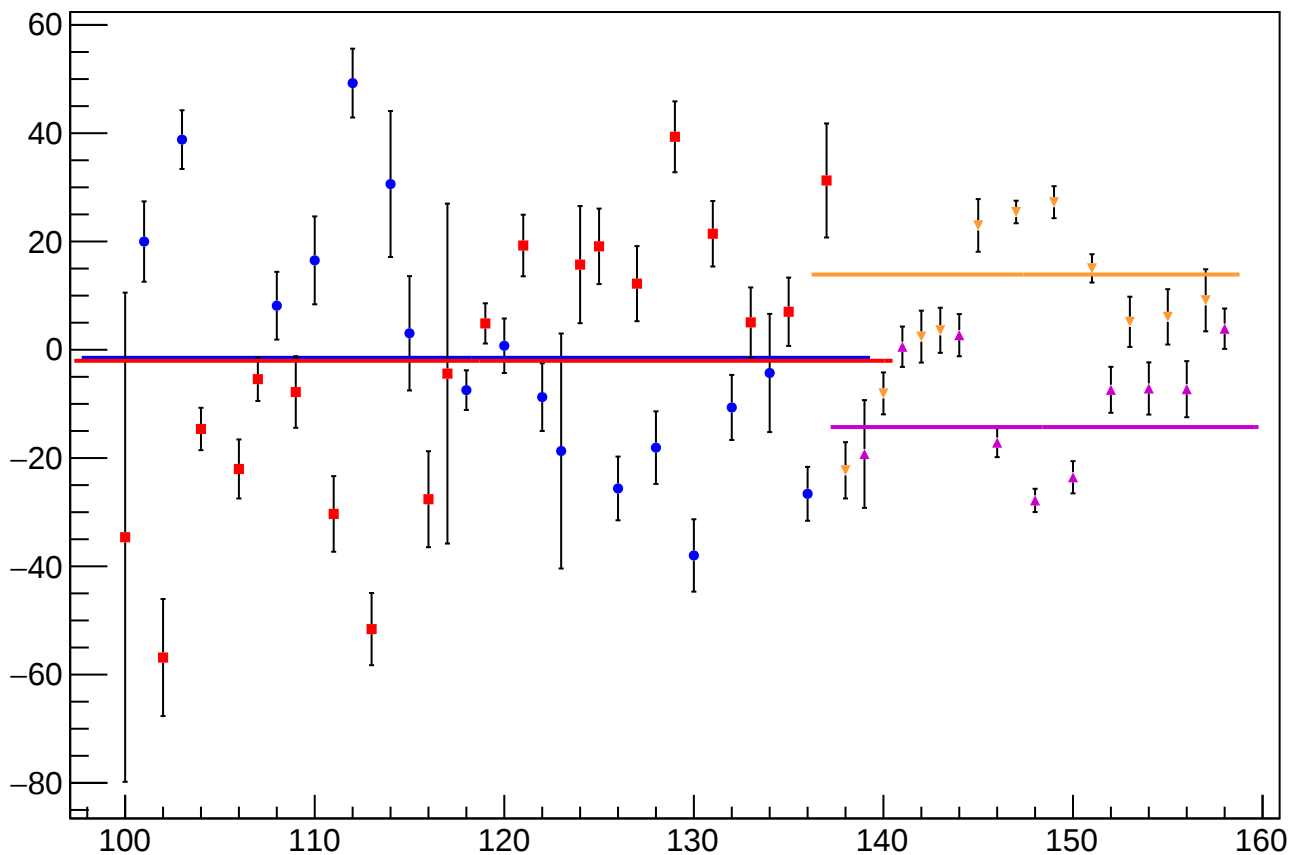
Left In: 266.302+/-1.681 χ^2/NDF : 114.2/9

-260.489+/-1.679 χ^2/NDF : 377.8/10

2.699+/-1.188 χ^2/NDF : 49653.4/20

266.302+/-1.681 χ^2/NDF : 114.2/9

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.490 ± 1.536 χ^2/NDF : 226.0/16

Left Out: 13.895 ± 1.082 χ^2/NDF : 153.9/10

Right Out: -2.032 ± 1.398 χ^2/NDF : 233.3/19

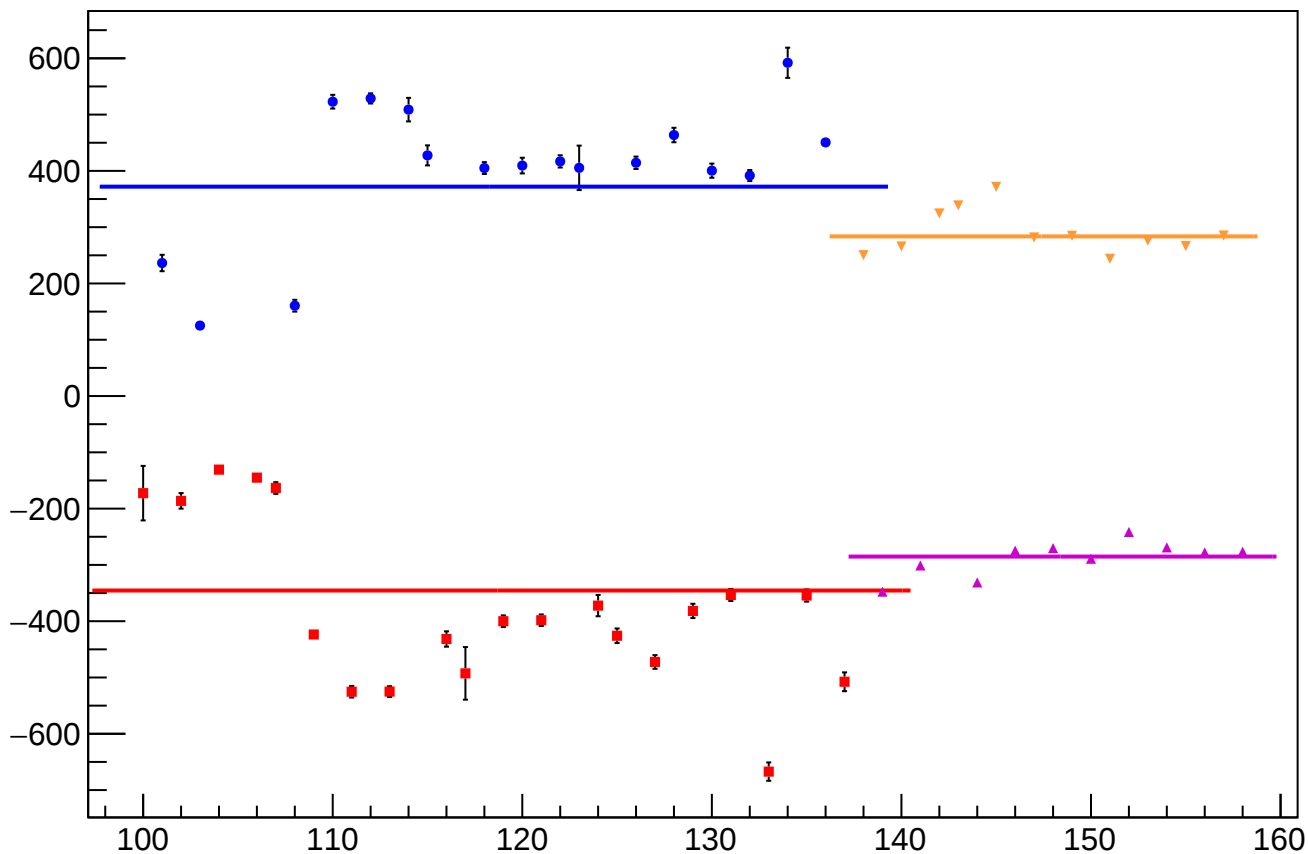
Left In: -14.271 ± 1.102 χ^2/NDF : 116.0/9

8.792 ± 0.885 χ^2/NDF : 446.9/27

-0.600 ± 0.619 χ^2/NDF : 1064.0/57

-9.584 ± 0.865 χ^2/NDF : 396.5/29

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 371.975 $\pm$ 2.778 χ^2/NDF : 2432.6/16

Left Out: 283.633 $\pm$ 1.658 χ^2/NDF : 437.9/10

Right Out: -345.485 $\pm$ 2.558 χ^2/NDF : 3425.1/19

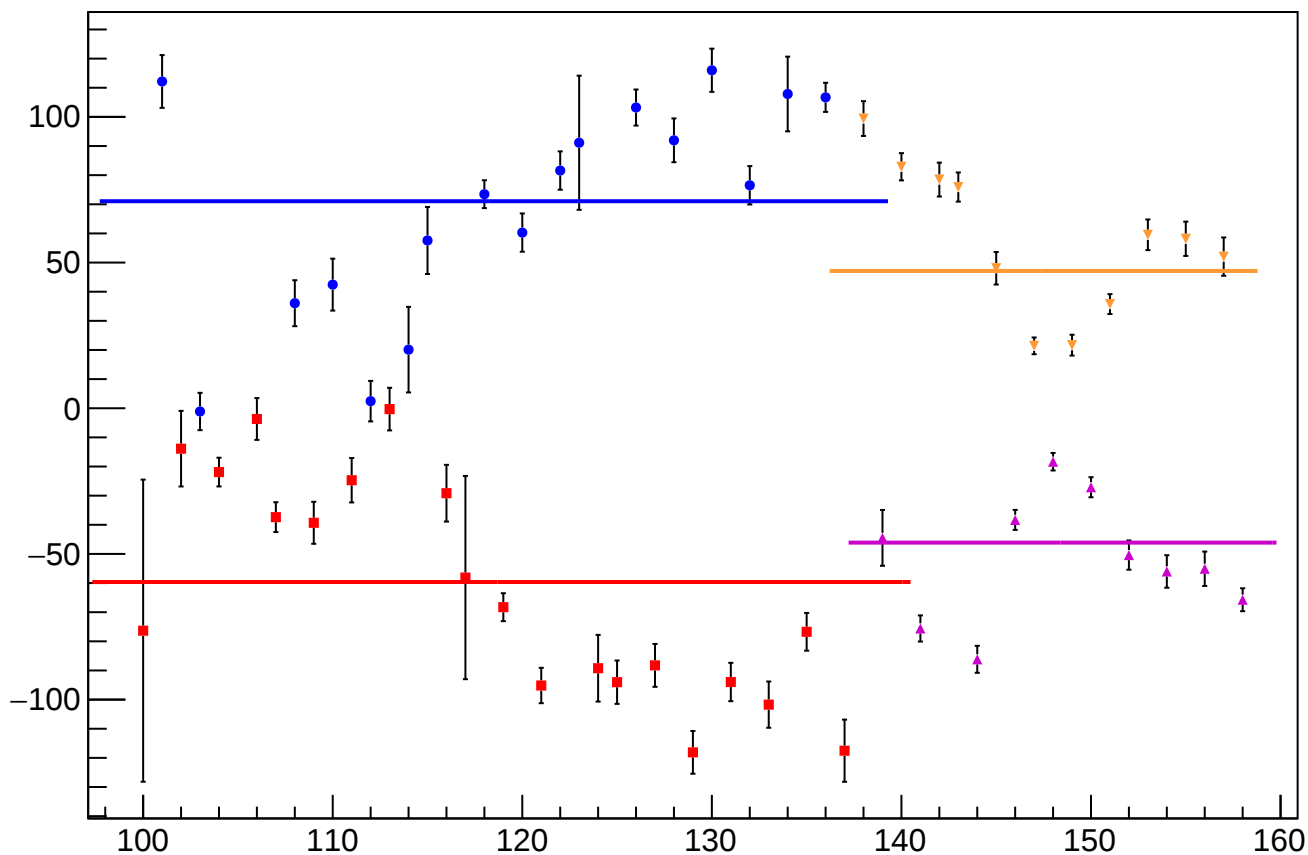
Left In: -285.190 $\pm$ 1.634 χ^2/NDF : 272.2/9

306.847 $\pm$ 1.424 χ^2/NDF : 3616.2/27

-8.062 $\pm$ 0.990 χ^2/NDF : 102380.5/57

-302.664 $\pm$ 1.377 χ^2/NDF : 4091.8/29

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 71.056+/-1.764 χ^2/NDF : 426.2/16

Left Out: 47.118+/-1.349 χ^2/NDF : 349.3/10

Right Out: -59.634+/-1.629 χ^2/NDF : 491.6/19

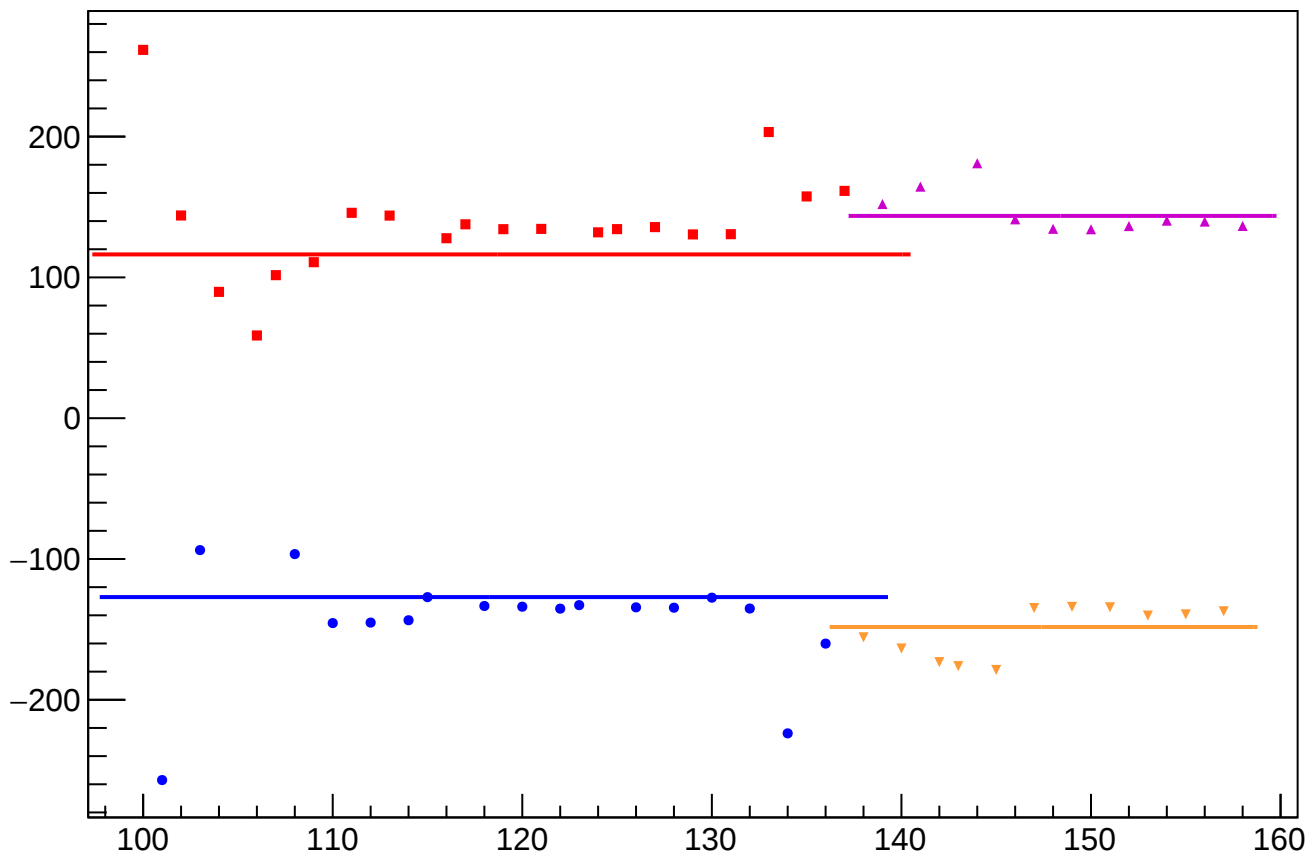
Left In: -46.117+/-1.346 χ^2/NDF : 269.9/9

55.953+/-1.072 χ^2/NDF : 891.7/27

0.447+/-0.746 χ^2/NDF : 6892.1/57

-51.600+/-1.038 χ^2/NDF : 802.4/29

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -127.049+/-0.090 χ^2/NDF : 167014.4/16

Left Out: -148.296+/-0.068 χ^2/NDF : 59622.5/10

Right Out: 116.327+/-0.083 χ^2/NDF : 167208.7/19

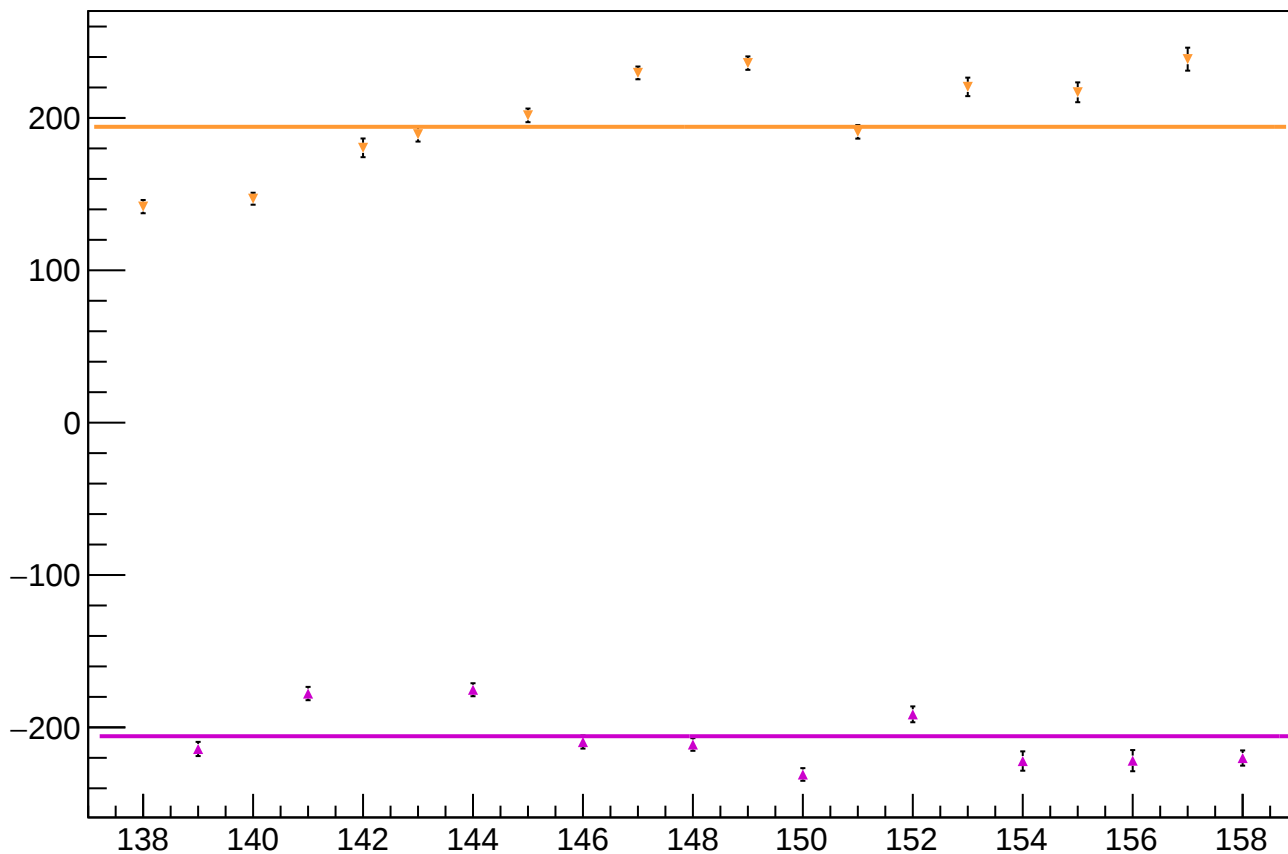
Left In: 143.676+/-0.065 χ^2/NDF : 40323.4/9

-140.553+/-0.054 χ^2/NDF : 262236.8/27

3.914+/-0.037 χ^2/NDF : 14002988.1/57

133.220+/-0.051 χ^2/NDF : 274719.5/29

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 194.186+/-1.469 χ^2/NDF : 525.0/10

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

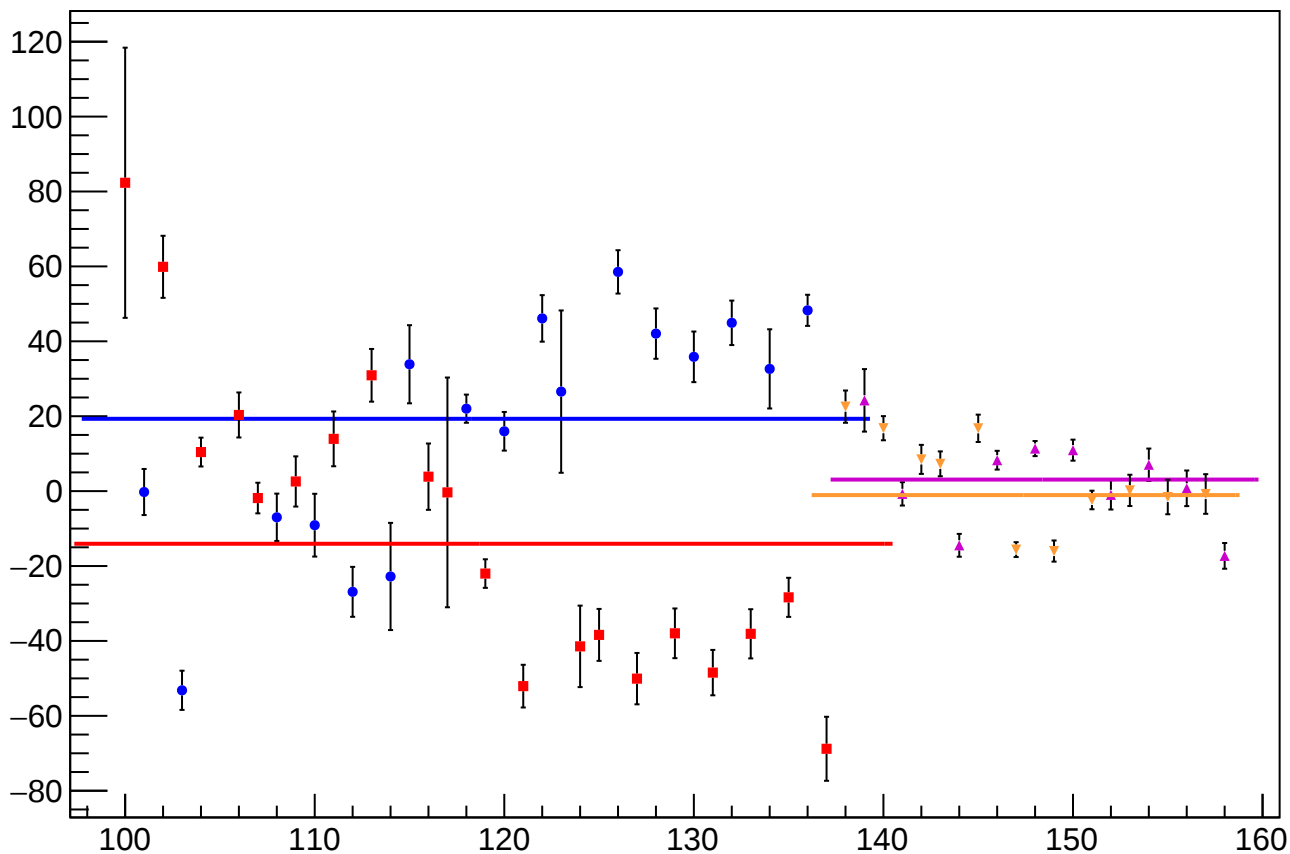
Left In: -205.813+/-1.498 χ^2/NDF : 162.0/9

194.186+/-1.469 χ^2/NDF : 525.0/10

-1.834+/-1.049 χ^2/NDF : 37039.2/20

-205.813+/-1.498 χ^2/NDF : 162.0/9

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.308 ± 1.500 $\chi^2/\text{NDF}: 441.3/16$

Left Out: -1.060 ± 0.969 $\chi^2/\text{NDF}: 179.1/10$

Right Out: -14.055 ± 1.388 $\chi^2/\text{NDF}: 437.1/19$

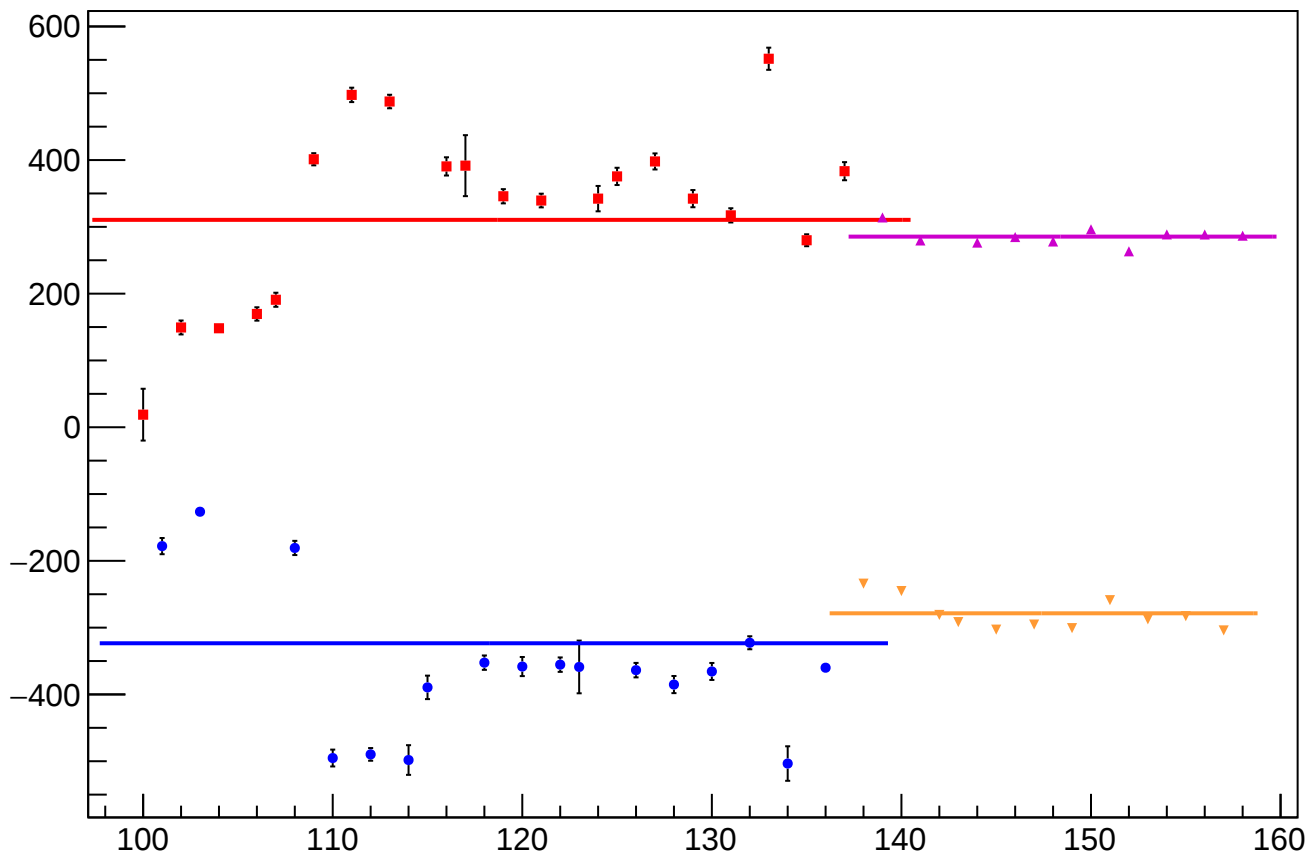
Left In: 3.082 ± 0.998 $\chi^2/\text{NDF}: 107.4/9$

4.937 ± 0.814 $\chi^2/\text{NDF}: 750.4/27$

1.073 ± 0.574 $\chi^2/\text{NDF}: 1440.3/57$

-2.754 ± 0.810 $\chi^2/\text{NDF}: 645.0/29$

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -323.402 $\pm$ 2.684 χ^2 /NDF: 1849.6/16

Left Out: -278.548 $\pm$ 1.465 χ^2 /NDF: 270.7/10

Right Out: 310.484 $\pm$ 2.520 χ^2 /NDF: 2302.0/19

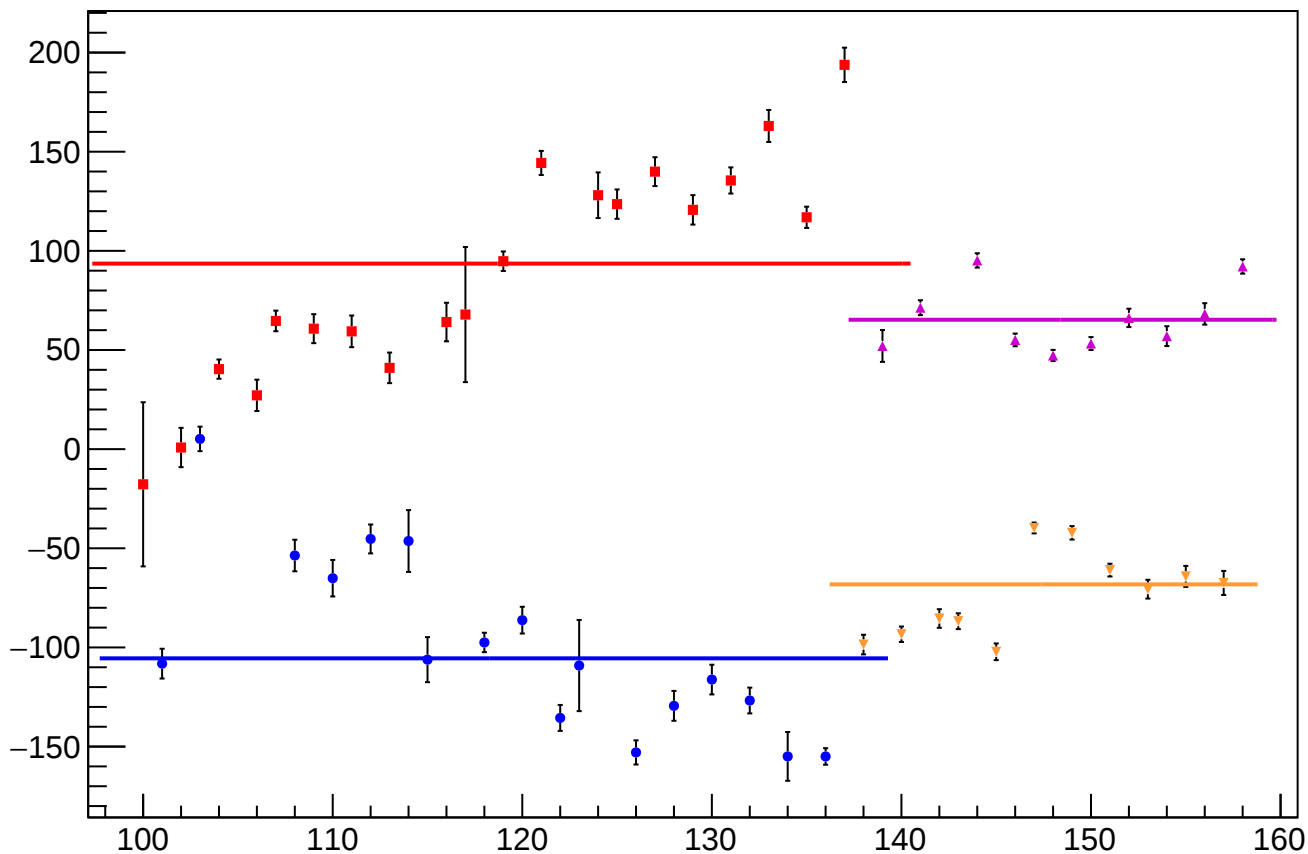
Left In: 285.392 $\pm$ 1.467 χ^2 /NDF: 69.3/9

-288.844 $\pm$ 1.286 χ^2 /NDF: 2335.5/27

5.589 $\pm$ 0.903 χ^2 /NDF: 108164.9/57

291.744 $\pm$ 1.268 χ^2 /NDF: 2445.3/29

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -105.496 ± 1.712 χ^2/NDF : 737.3/16

Left Out: -68.194 ± 1.200 χ^2/NDF : 351.7/10

Right Out: 93.579 ± 1.608 χ^2/NDF : 827.7/19

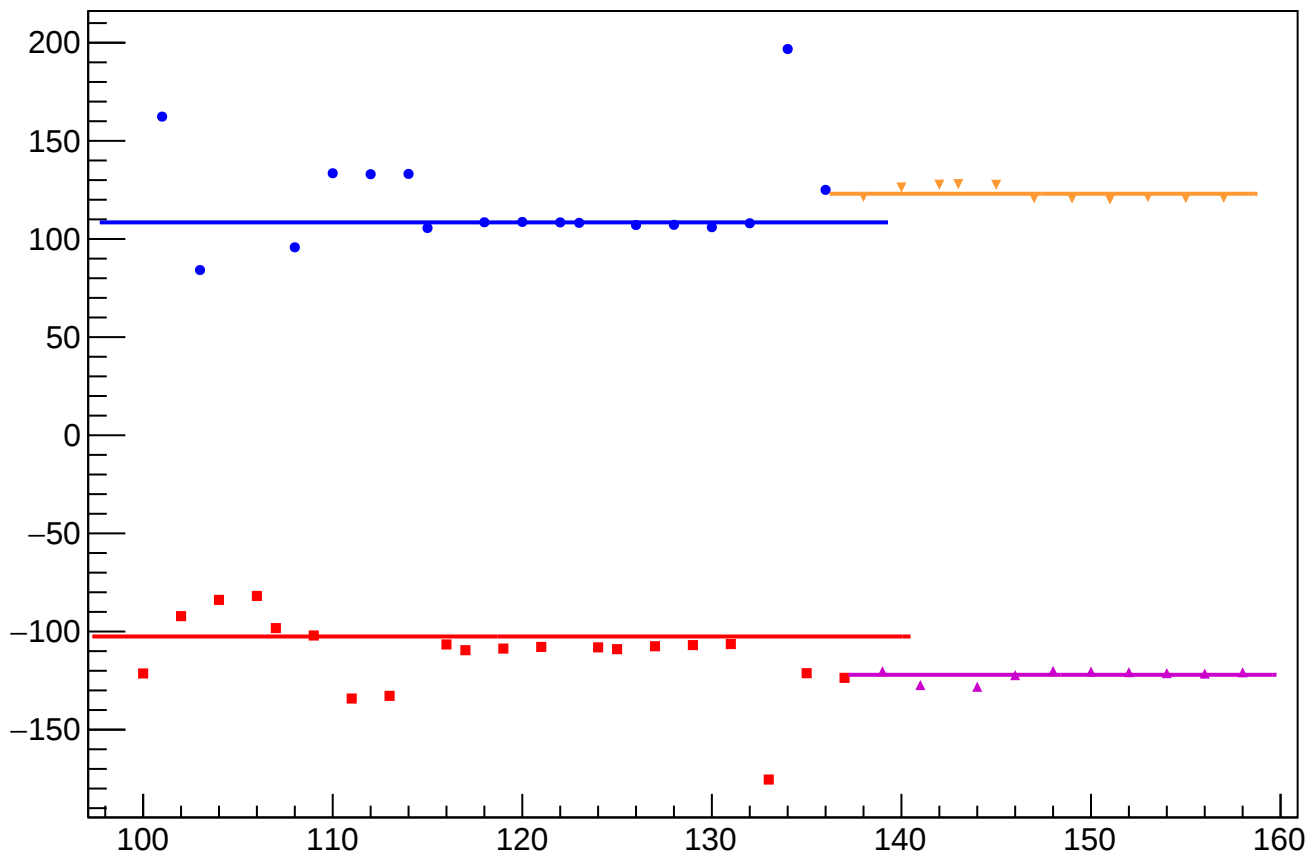
Left In: 65.254 ± 1.215 χ^2/NDF : 196.5/9

-80.484 ± 0.983 χ^2/NDF : 1407.4/27

-1.408 ± 0.690 χ^2/NDF : 15405.9/57

75.543 ± 0.969 χ^2/NDF : 1221.7/29

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 108.460 ± 0.085 χ^2/NDF : 73301.9/16

Left Out: 123.039 ± 0.060 χ^2/NDF : 2702.8/10

Right Out: -102.532 ± 0.079 χ^2/NDF : 53003.2/19

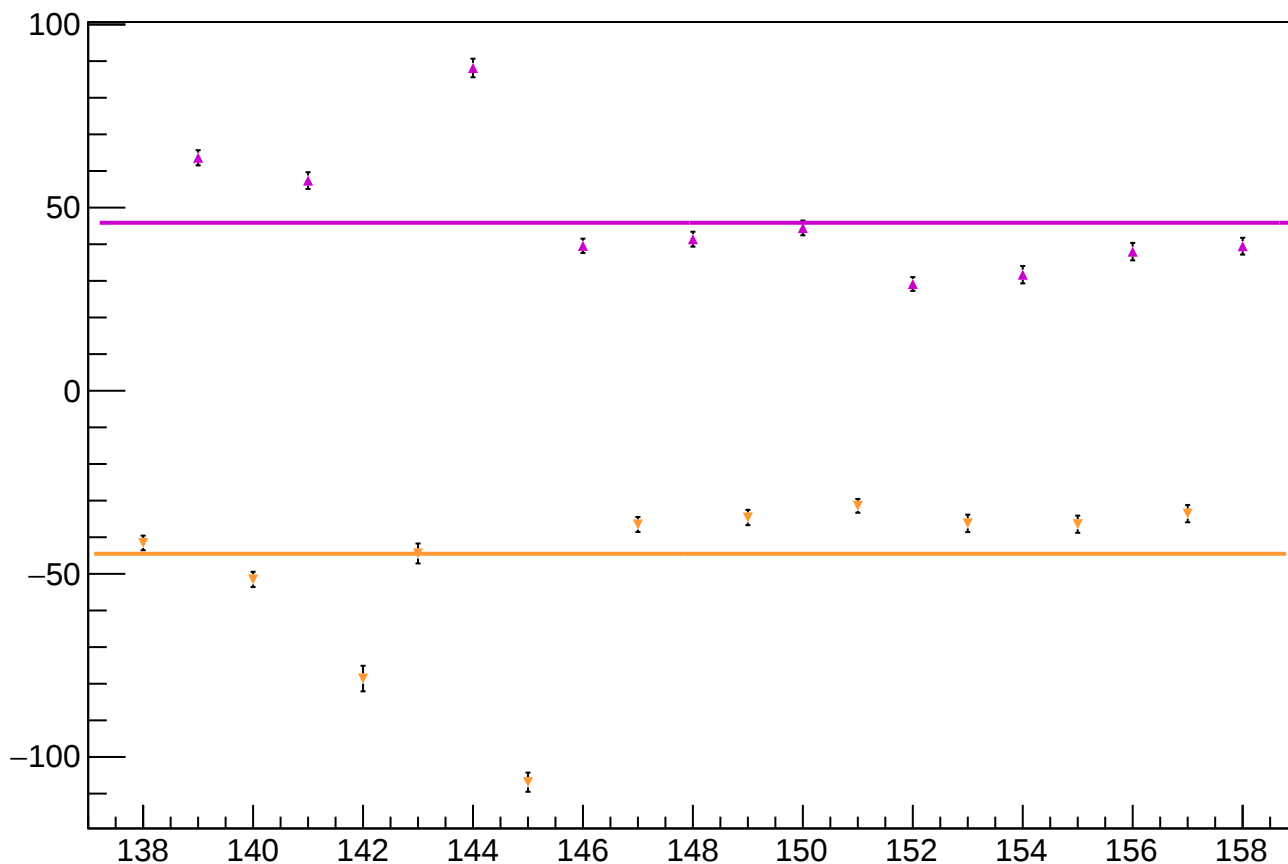
Left In: -122.051 ± 0.058 χ^2/NDF : 2189.8/9

118.215 ± 0.049 χ^2/NDF : 95689.0/27

-2.845 ± 0.034 χ^2/NDF : 12008721.2/57

-115.197 ± 0.047 χ^2/NDF : 94317.0/29

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -44.518+/-0.686 χ^2/NDF : 807.6/10

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

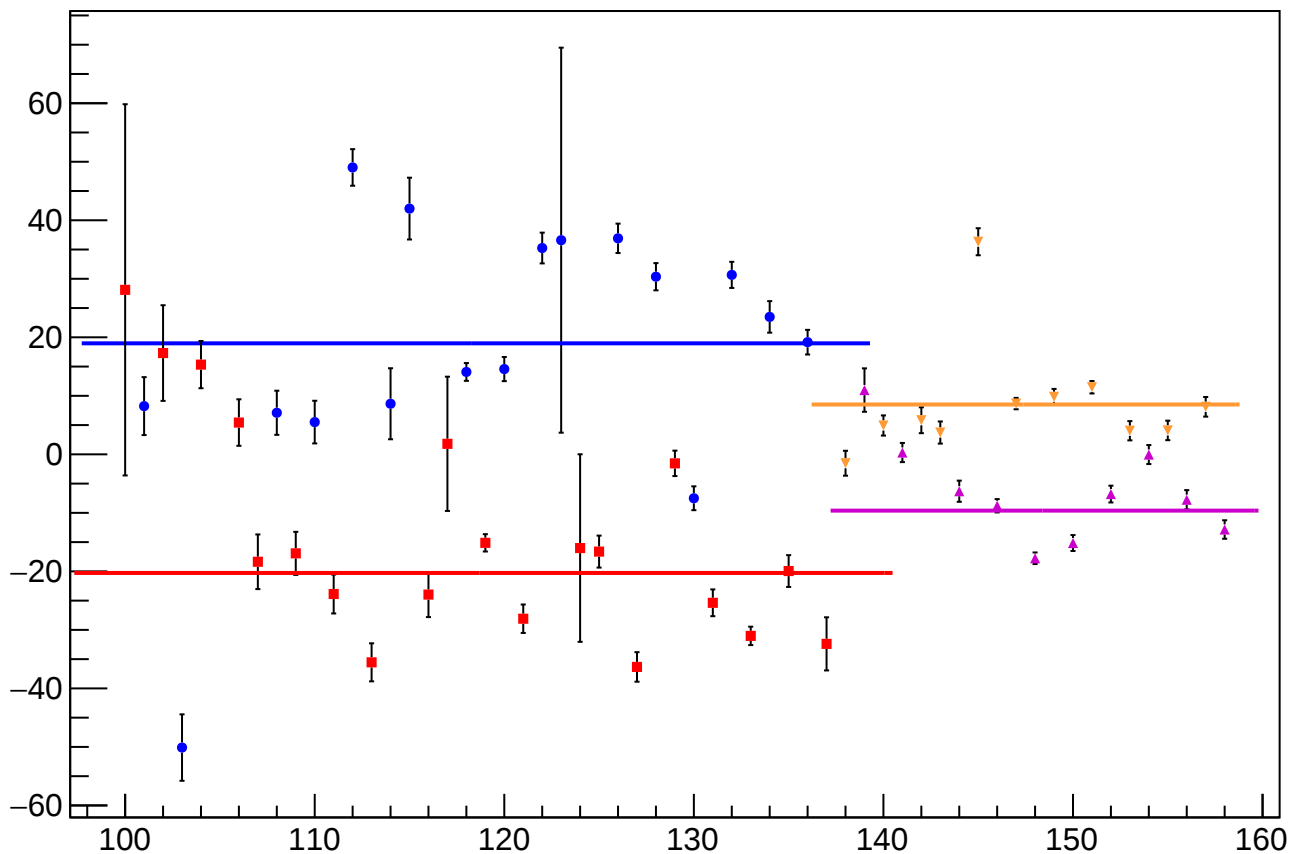
Left In: 45.866+/-0.682 χ^2/NDF : 524.2/9

-44.518+/-0.686 χ^2/NDF : 807.6/10

0.945+/-0.483 χ^2/NDF : 10073.3/20

45.866+/-0.682 χ^2/NDF : 524.2/9

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.970 ± 0.653 χ^2/NDF : 618.4/16

Left Out: 8.517 ± 0.456 χ^2/NDF : 202.5/10

Right Out: -20.269 ± 0.641 χ^2/NDF : 370.1/19

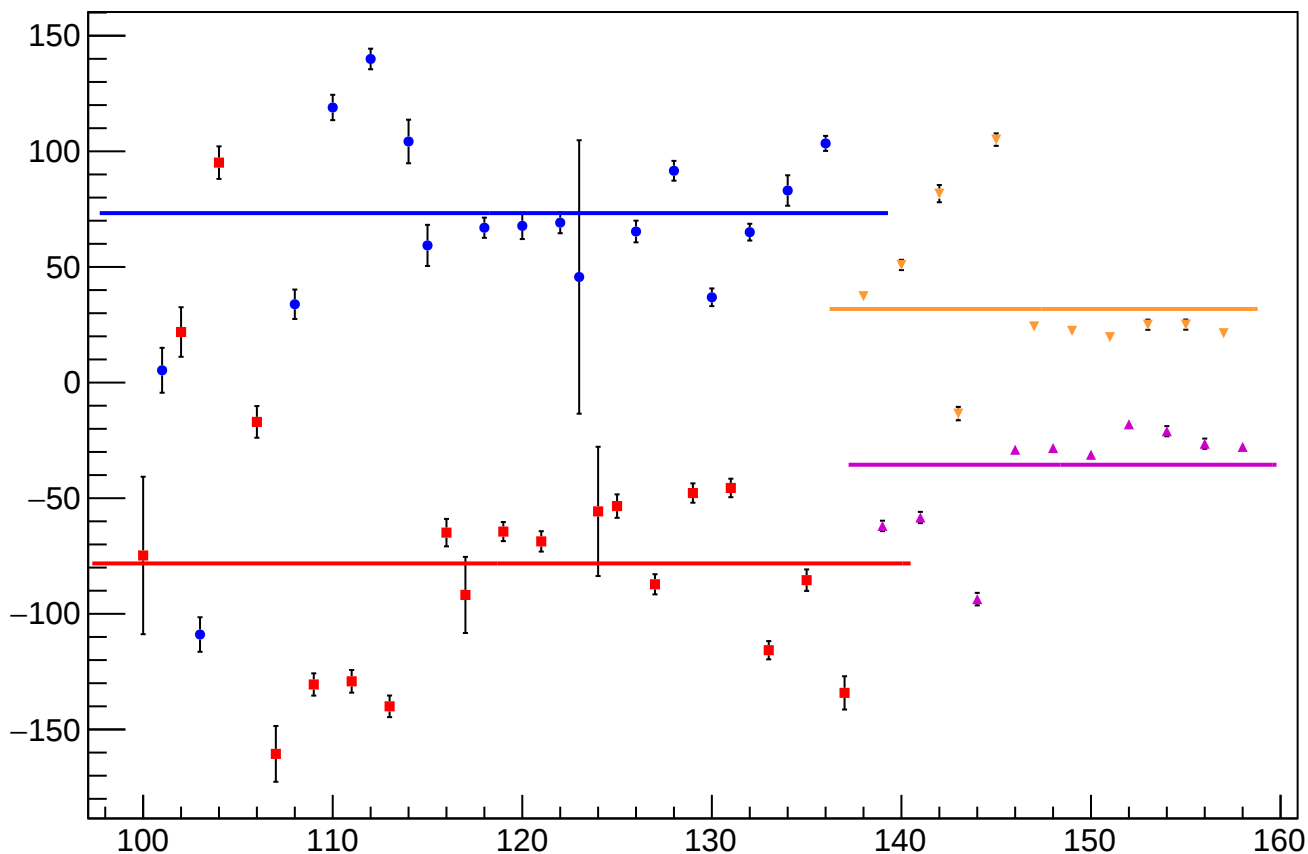
Left In: -9.617 ± 0.461 χ^2/NDF : 199.6/9

11.948 ± 0.374 χ^2/NDF : 993.1/27

-0.648 ± 0.265 χ^2/NDF : 4012.2/57

-13.243 ± 0.374 χ^2/NDF : 751.8/29

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 73.278 $\pm$ 1.236 χ^2 /NDF: 1198.6/16

Left Out: 31.820 $\pm$ 0.673 χ^2 /NDF:1361.1/10

Right Out: -78.205 $\pm$ 1.219 χ^2 /NDF: 1544.0/19

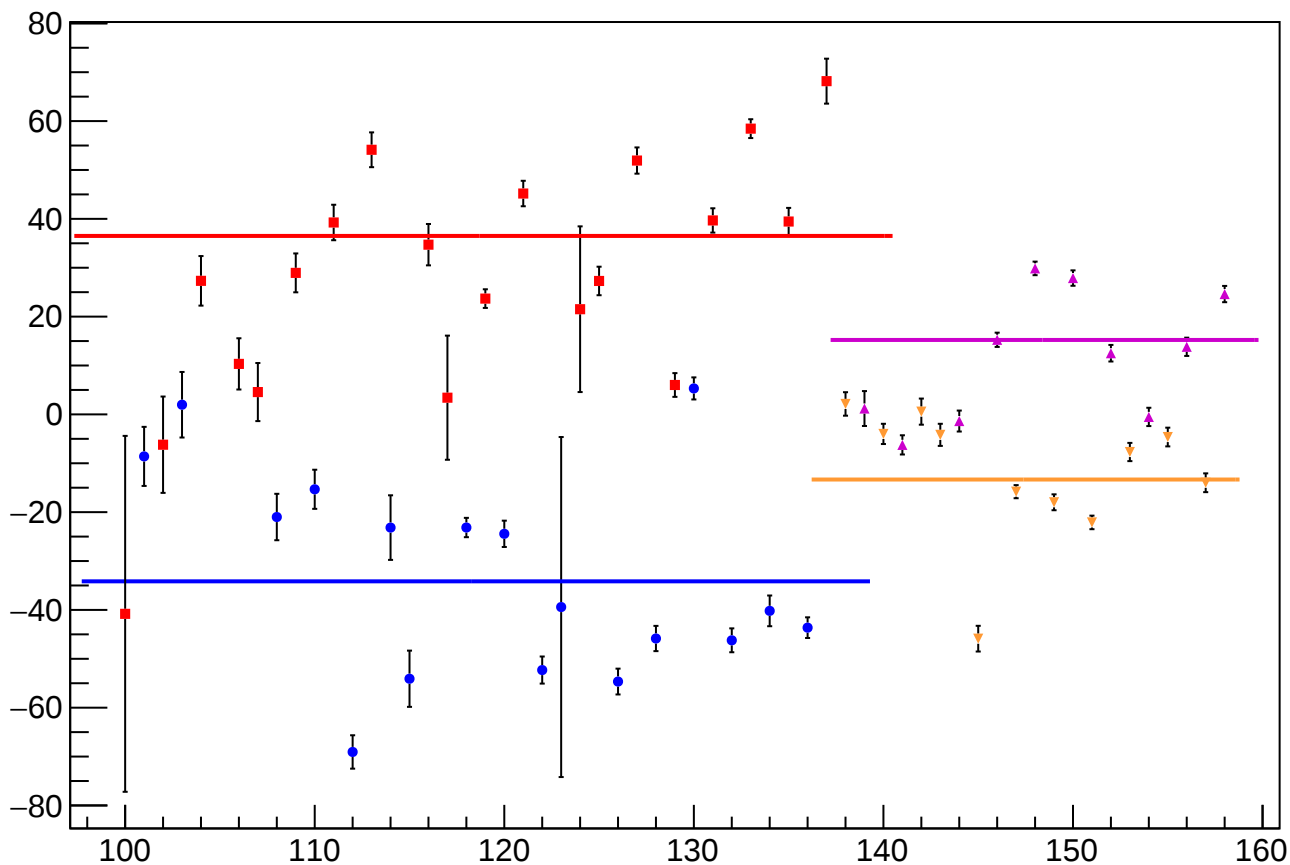
Left In: -35.530 $\pm$ 0.662 χ^2 /NDF:883.2/9

41.296 $\pm$ 0.591 χ^2 /NDF: 3427.0/27

-2.684 $\pm$ 0.415 χ^2 /NDF: 17691.7/57

-45.237 $\pm$ 0.581 χ^2 /NDF: 3373.7/29

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -34.153 ± 0.745 χ^2/NDF : 717.5/16

Left Out: -13.326 ± 0.561 χ^2/NDF : 339.7/10

Right Out: 36.507 ± 0.735 χ^2/NDF : 553.8/19

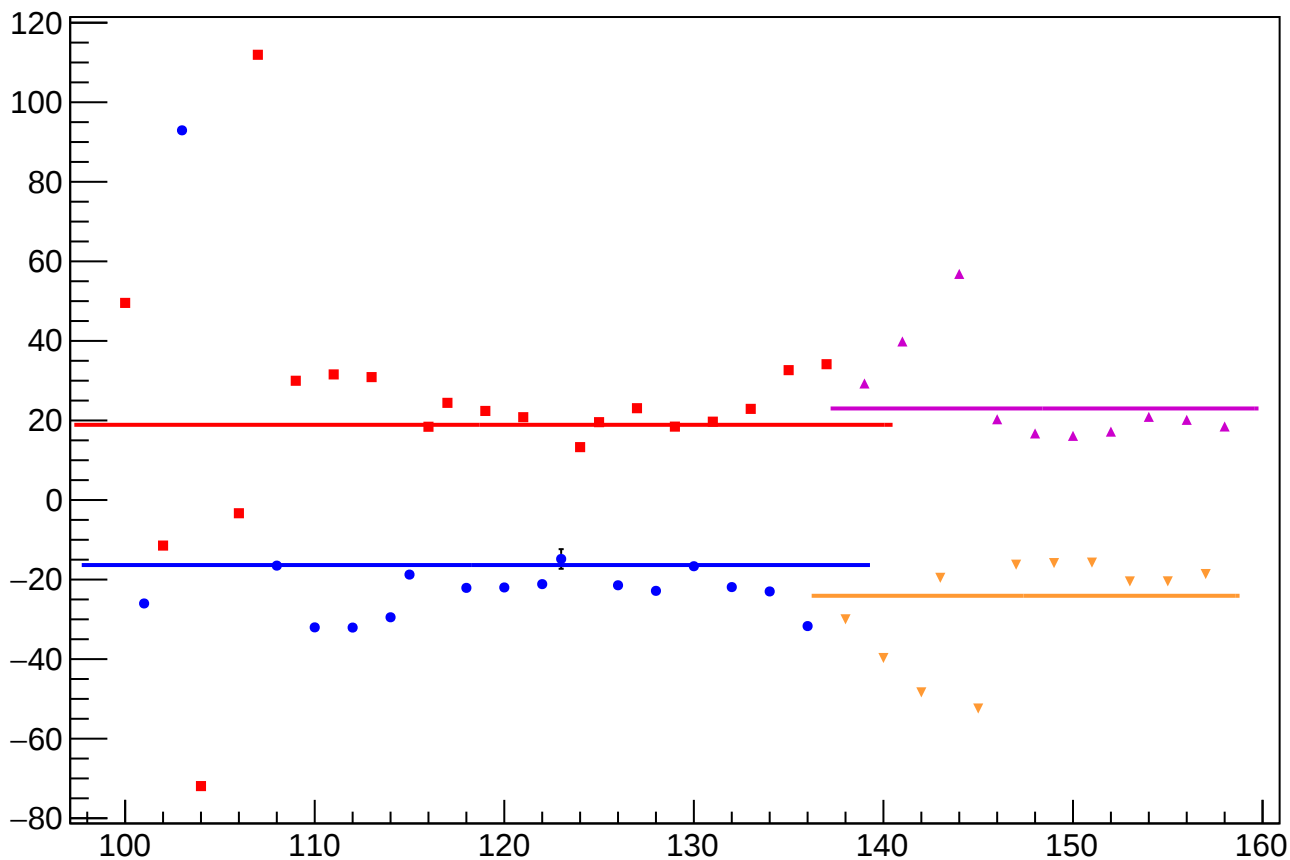
Left In: 15.226 ± 0.557 χ^2/NDF : 475.9/9

-20.873 ± 0.448 χ^2/NDF : 1555.7/27

1.290 ± 0.315 χ^2/NDF : 7954.3/57

22.991 ± 0.444 χ^2/NDF : 1562.9/29

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.349 ± 0.045 χ^2/NDF : 474192.3/16

Left Out: -24.078 ± 0.027 χ^2/NDF : 167229.3/10

Right Out: 18.906 ± 0.045 χ^2/NDF : 433847.1/19

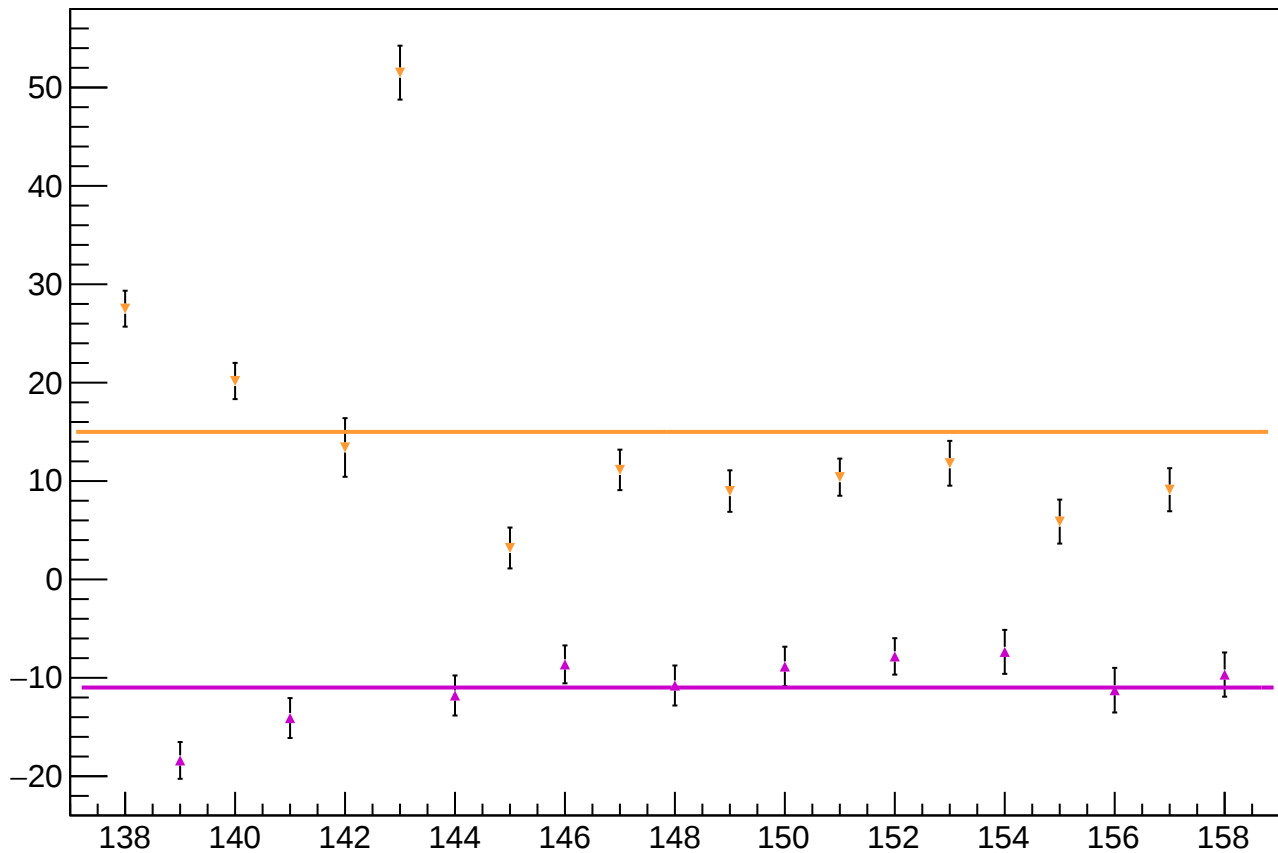
Left In: 23.014 ± 0.026 χ^2/NDF : 143143.9/9

-22.040 ± 0.023 χ^2/NDF : 663490.4/27

0.435 ± 0.016 χ^2/NDF : 3130451.3/57

22.001 ± 0.022 χ^2/NDF : 583210.9/29

reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 14.997+/-0.643 χ^2/NDF : 308.3/10

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

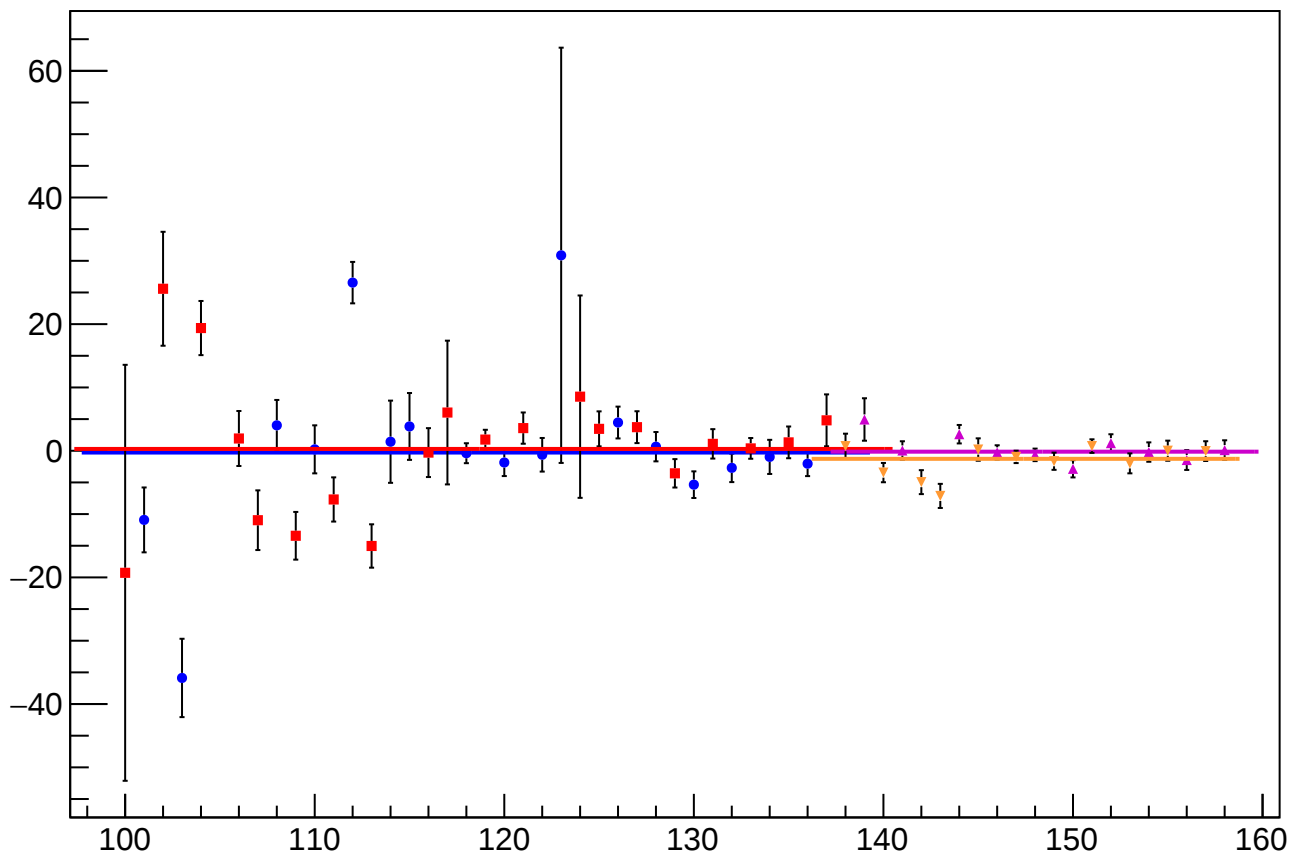
Left In: -10.985+/-0.644 χ^2/NDF : 26.7/9

14.997+/-0.643 χ^2/NDF : 308.3/10

2.010+/-0.455 χ^2/NDF : 1150.2/20

-10.985+/-0.644 χ^2/NDF : 26.7/9

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.280 ± 0.662 χ^2/NDF : 119.5/16

Left Out: -1.274 ± 0.437 χ^2/NDF : 22.2/10

Right Out: 0.289 ± 0.655 χ^2/NDF : 83.4/19

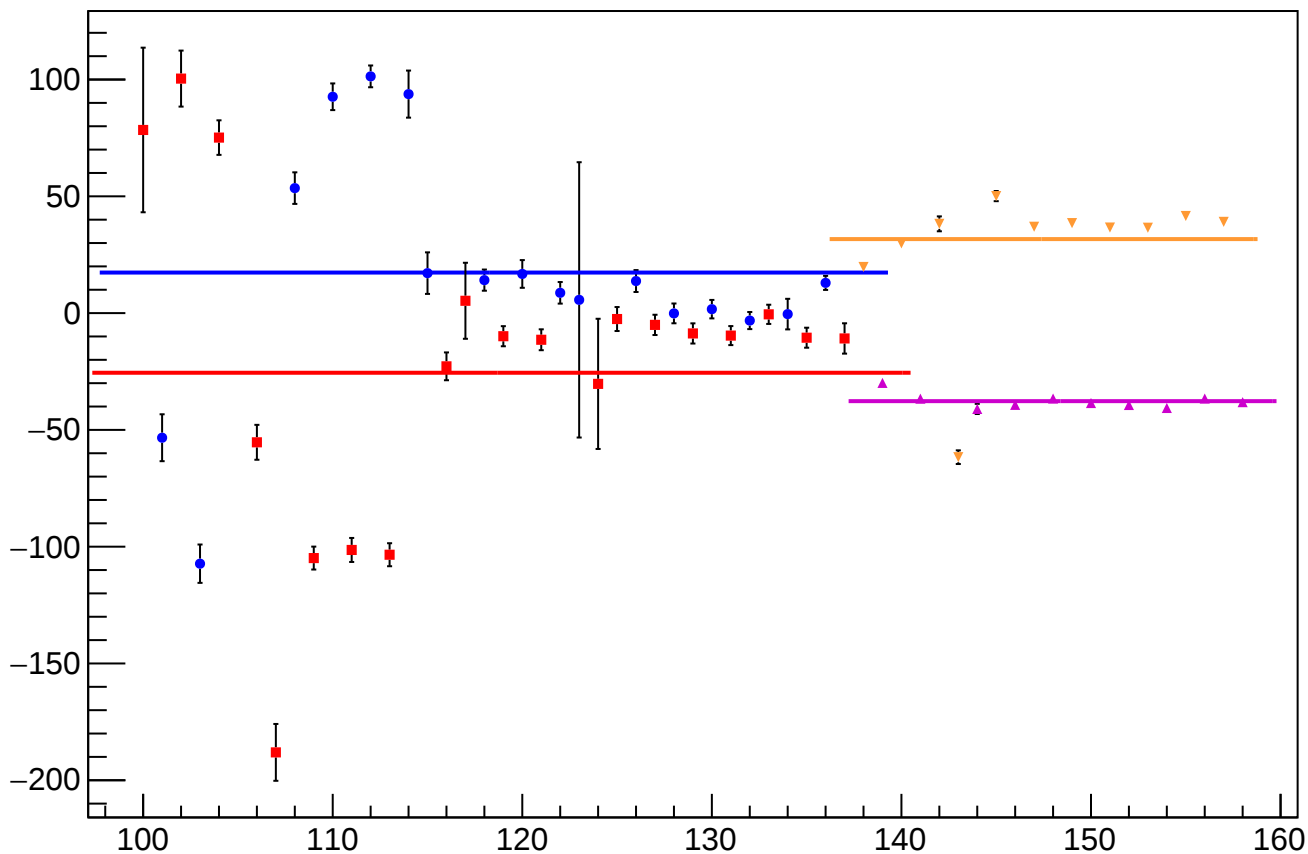
Left In: -0.143 ± 0.441 χ^2/NDF : 11.8/9

-0.973 ± 0.365 χ^2/NDF : 143.3/27

-0.492 ± 0.258 χ^2/NDF : 242.3/57

-0.008 ± 0.366 χ^2/NDF : 95.5/29

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.361 ± 1.247 χ^2/NDF : 943.0/16

Left Out: 31.690 ± 0.636 χ^2/NDF : 1199.0/10

Right Out: -25.537 ± 1.239 χ^2/NDF : 1382.4/19

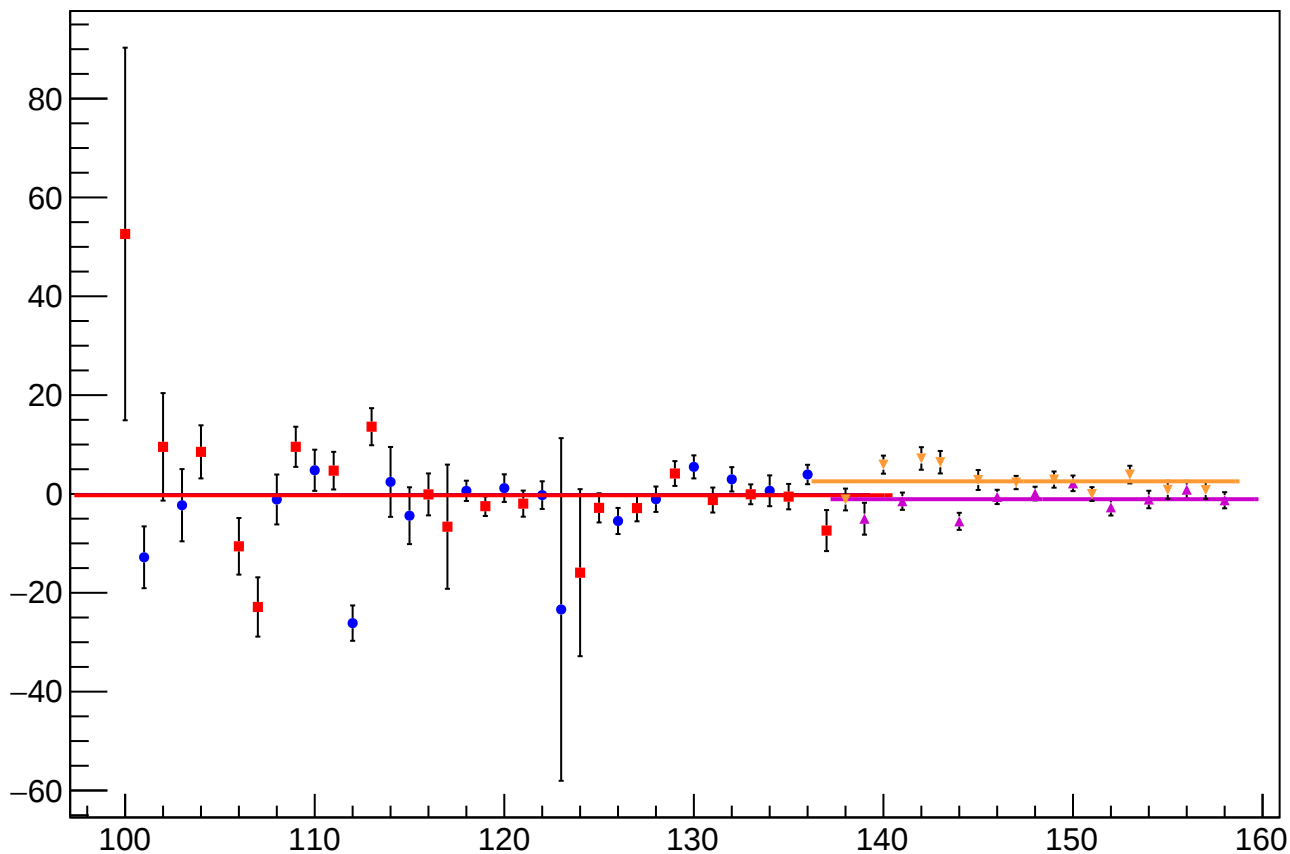
Left In: -37.692 ± 0.629 χ^2/NDF : 21.9/9

28.735 ± 0.566 χ^2/NDF : 2246.9/27

-3.558 ± 0.398 χ^2/NDF : 10167.5/57

-35.205 ± 0.561 χ^2/NDF : 1480.9/29

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

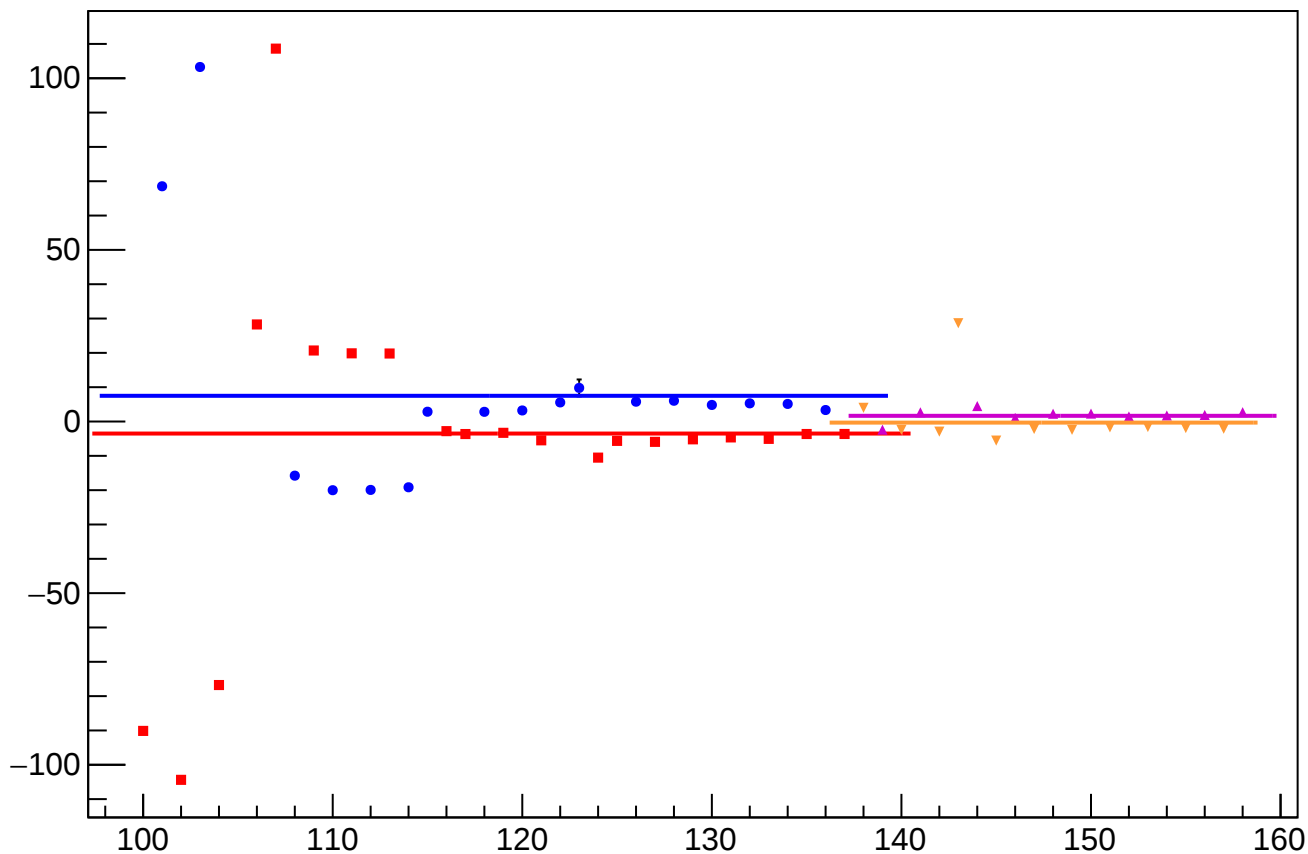
Left In: -1.061 ± 0.532 χ^2/NDF : 15.4/9

1.627 ± 0.436 χ^2/NDF : 104.0/27

0.411 ± 0.307 χ^2/NDF : 190.5/57

-0.792 ± 0.433 χ^2/NDF : 70.9/29

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 7.492 ± 0.045 χ^2/NDF : 355979.0/16

Left Out: -0.316 ± 0.025 χ^2/NDF : 71883.7/10

Right Out: -3.504 ± 0.046 χ^2/NDF : 510579.5/19

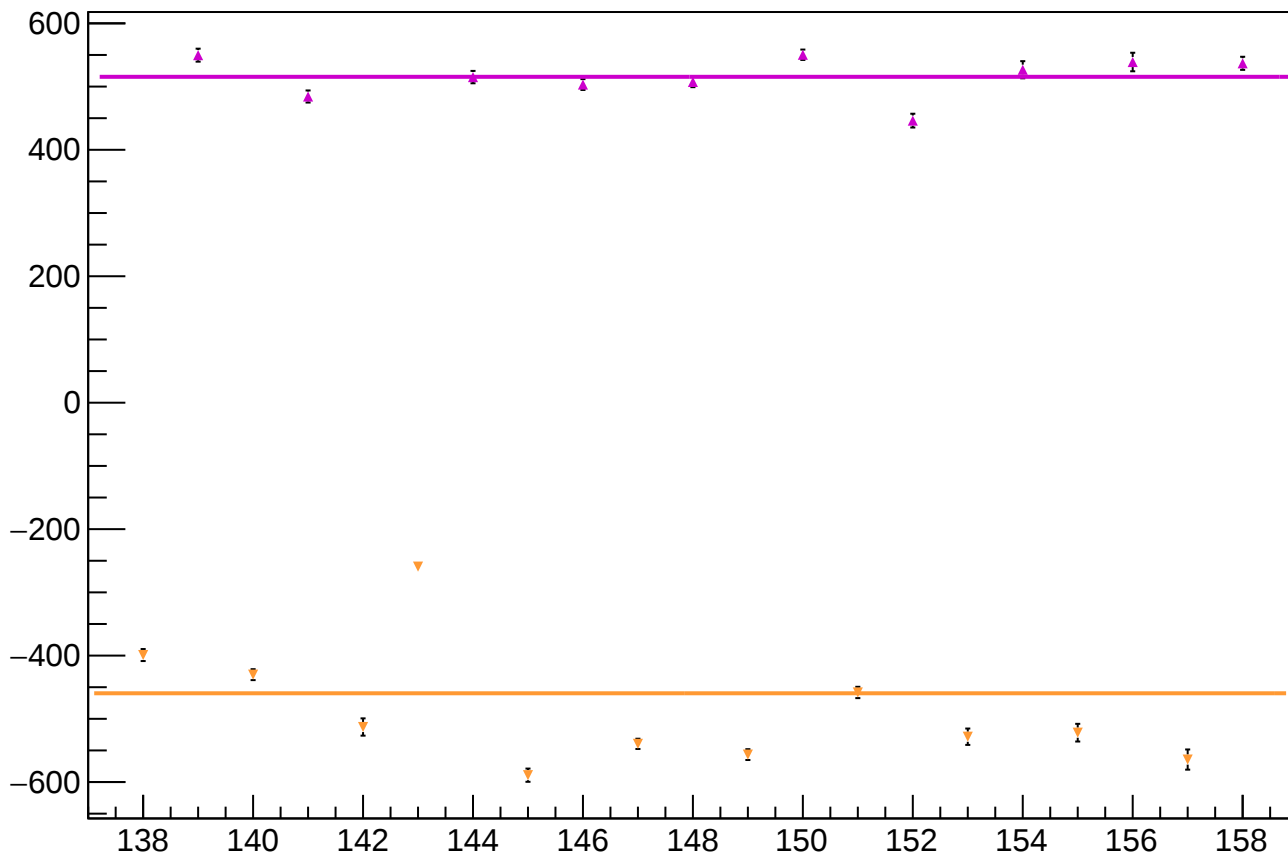
Left In: 1.662 ± 0.025 χ^2/NDF : 4634.0/9

1.559 ± 0.022 χ^2/NDF : 451115.2/27

1.023 ± 0.015 χ^2/NDF : 977490.0/57

0.499 ± 0.022 χ^2/NDF : 525186.7/29

reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -459.604+/-2.942 χ^2/NDF :1352.0/10

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

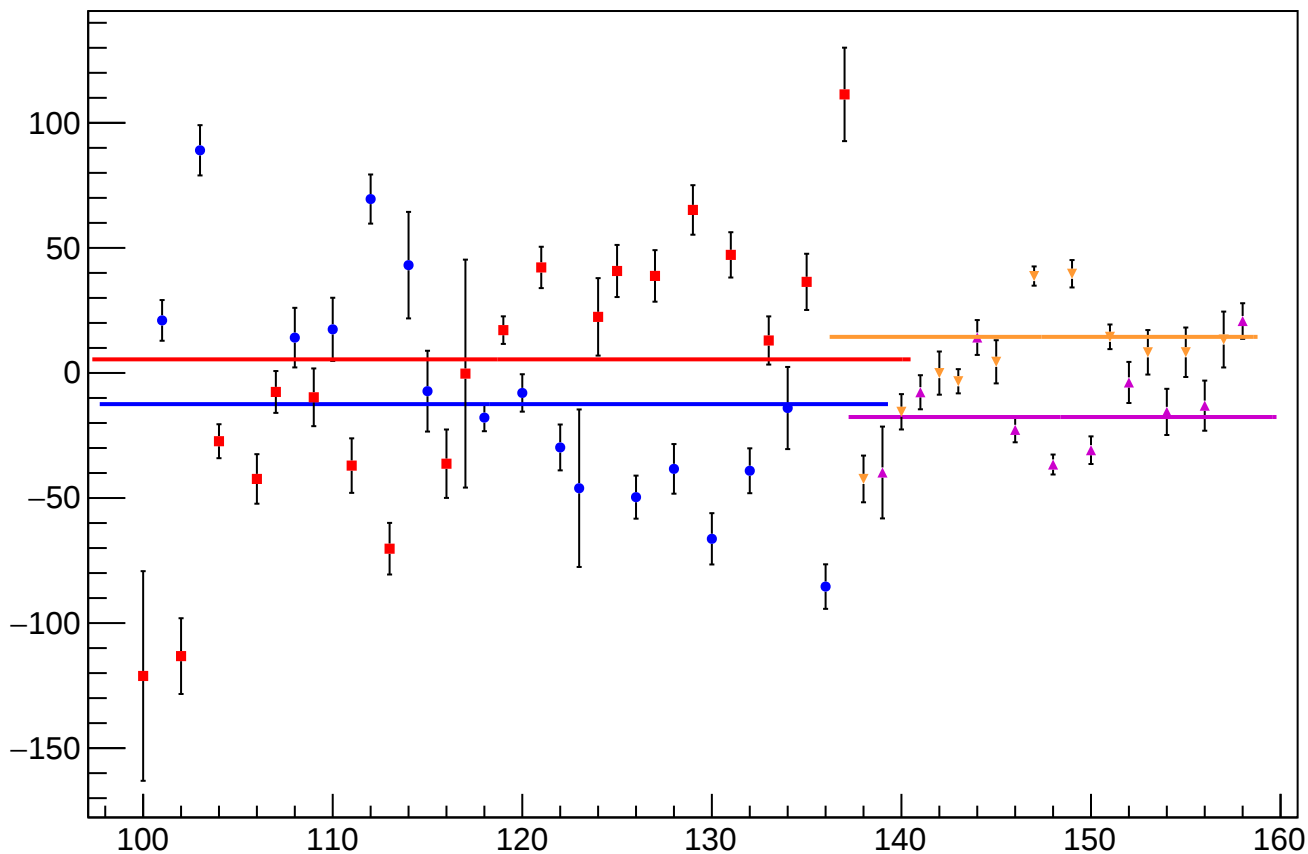
Left In: 515.450+/-3.133 χ^2/NDF :90.7/9

-459.604+/-2.942 χ^2/NDF : 1352.0/10

-2.612+/-2.145 χ^2/NDF : 52919.6/20

515.450+/-3.133 χ^2/NDF : 90.7/9

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -12.458 ± 2.349 χ^2/NDF : 341.1/16

Left Out: 14.431 ± 1.910 χ^2/NDF : 134.6/10

Right Out: 5.439 ± 2.256 χ^2/NDF : 345.0/19

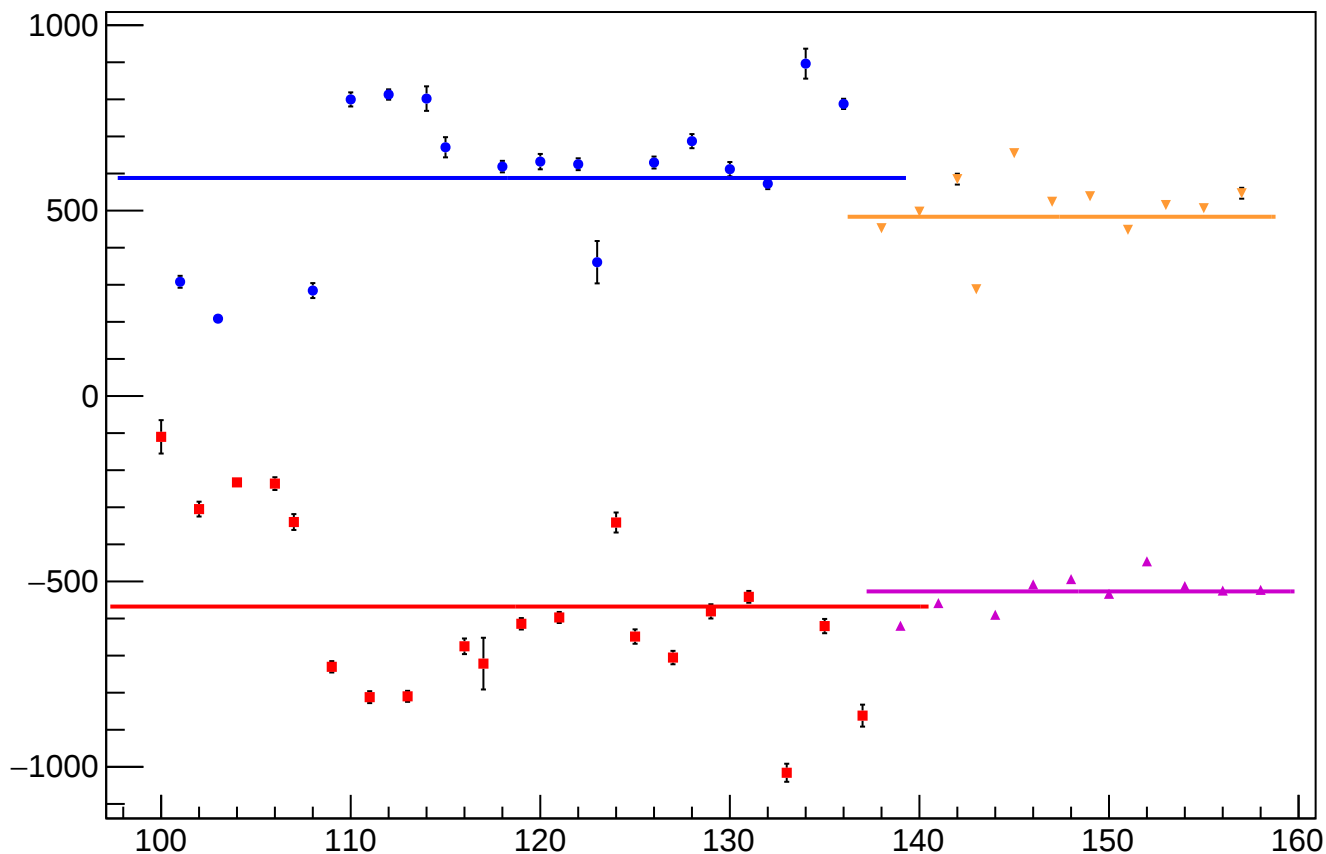
Left In: -17.611 ± 2.053 χ^2/NDF : 86.1/9

3.724 ± 1.482 χ^2/NDF : 554.6/27

-1.592 ± 1.060 χ^2/NDF : 1069.1/57

-7.171 ± 1.518 χ^2/NDF : 488.2/29

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 587.994 ± 4.353 χ^2/NDF : 2129.6/16

Left Out: 483.434 ± 2.934 χ^2/NDF : 1104.4/10

Right Out: -567.720 ± 4.129 χ^2/NDF : 2788.1/19

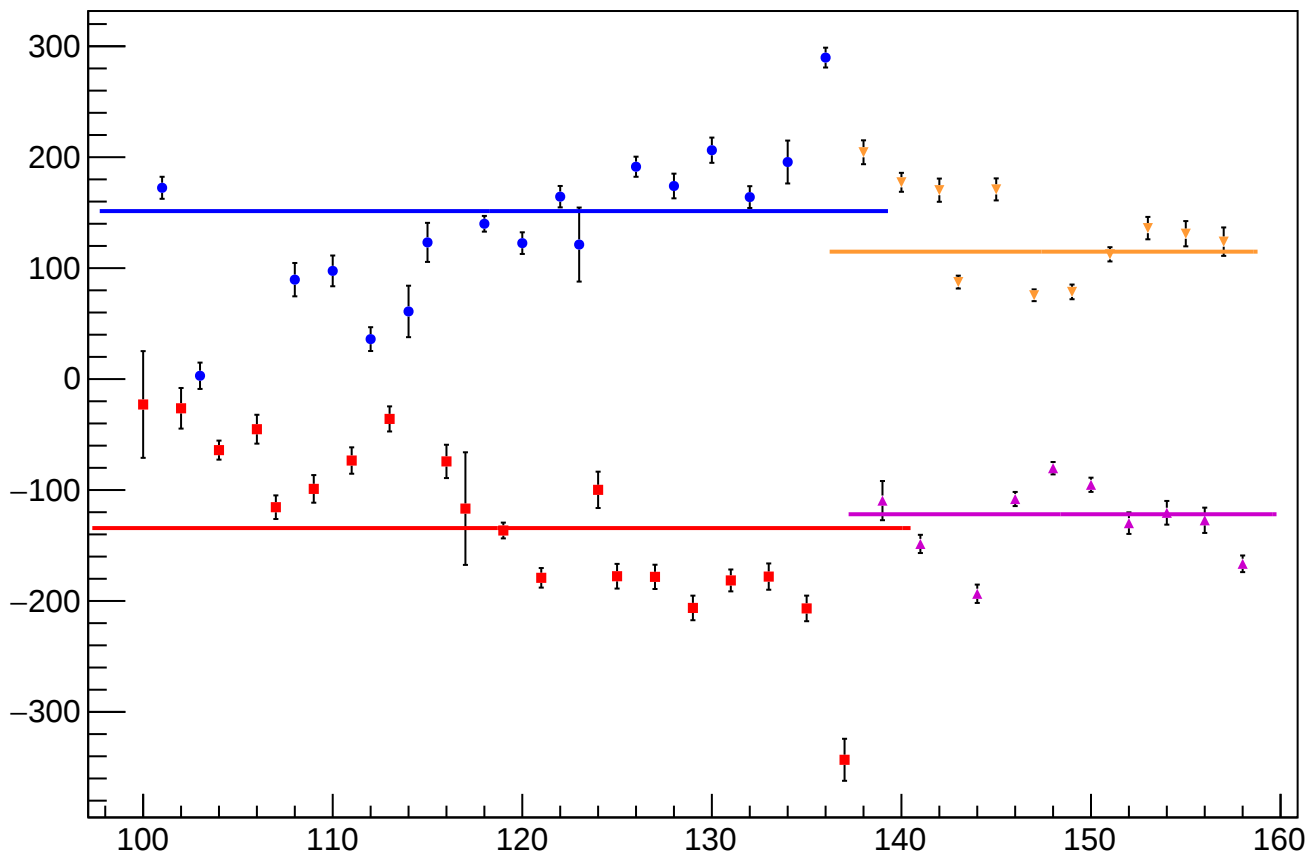
Left In: -526.916 ± 3.051 χ^2/NDF : 201.5/9

516.103 ± 2.433 χ^2/NDF : 3630.8/27

-8.076 ± 1.728 χ^2/NDF : 100319.8/57

-541.331 ± 2.454 χ^2/NDF : 3052.8/29

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 151.421 $\pm$ 2.709 χ^2 /NDF: 633.3/16

Left Out: 114.851 $\pm$ 2.373 χ^2 /NDF: 297.1/10

Right Out: -134.299 $\pm$ 2.612 χ^2 /NDF: 585.0/19

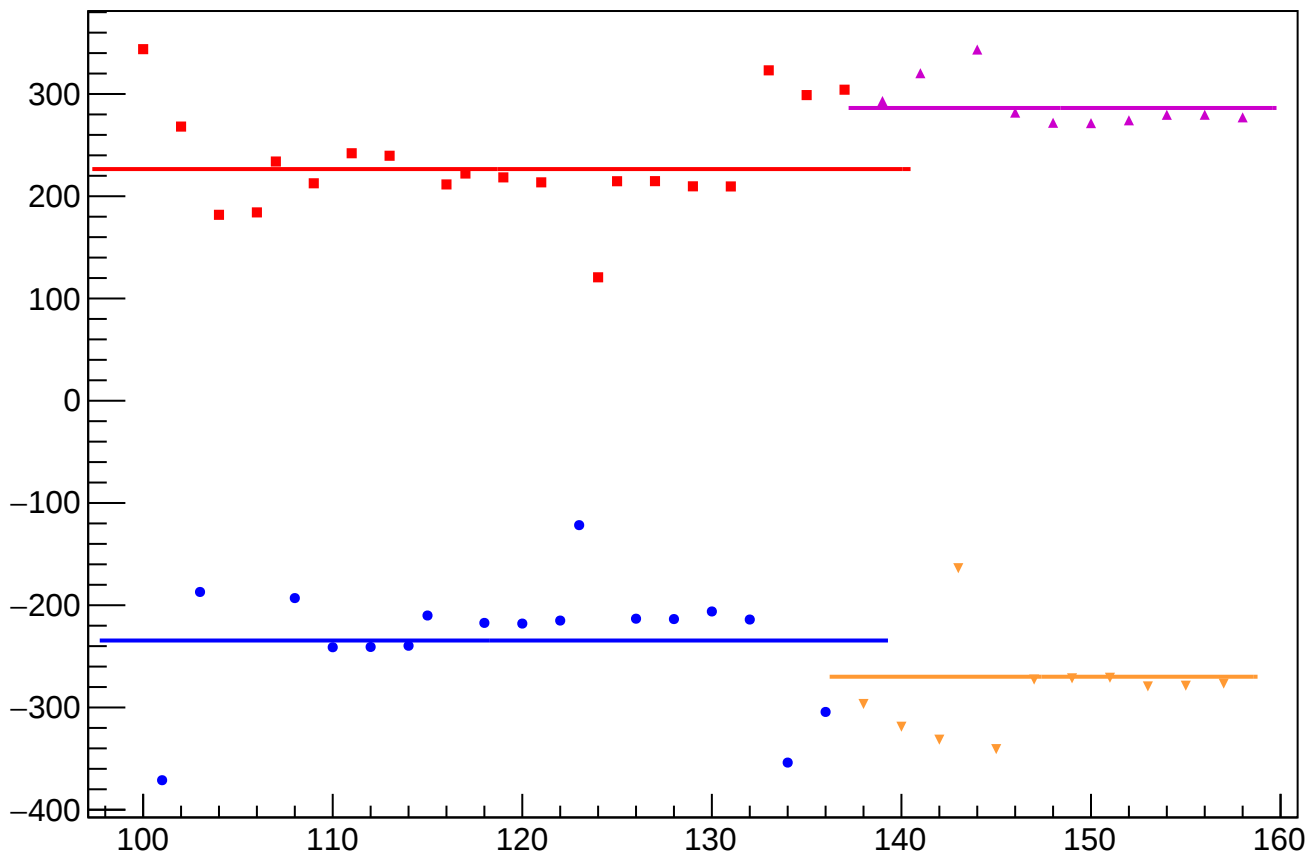
Left In: -121.831 $\pm$ 2.511 χ^2 /NDF: 199.7/9

130.731 $\pm$ 1.785 χ^2 /NDF: 1033.5/27

3.261 $\pm$ 1.271 χ^2 /NDF: 12171.3/57

-127.820 $\pm$ 1.810 χ^2 /NDF: 796.6/29

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -234.501+/-0.149 χ^2/NDF : 145046.5/16

Left Out: -269.924+/-0.120 χ^2/NDF : 182237.6/10

Right Out: 226.572+/-0.141 χ^2/NDF : 98970.7/19

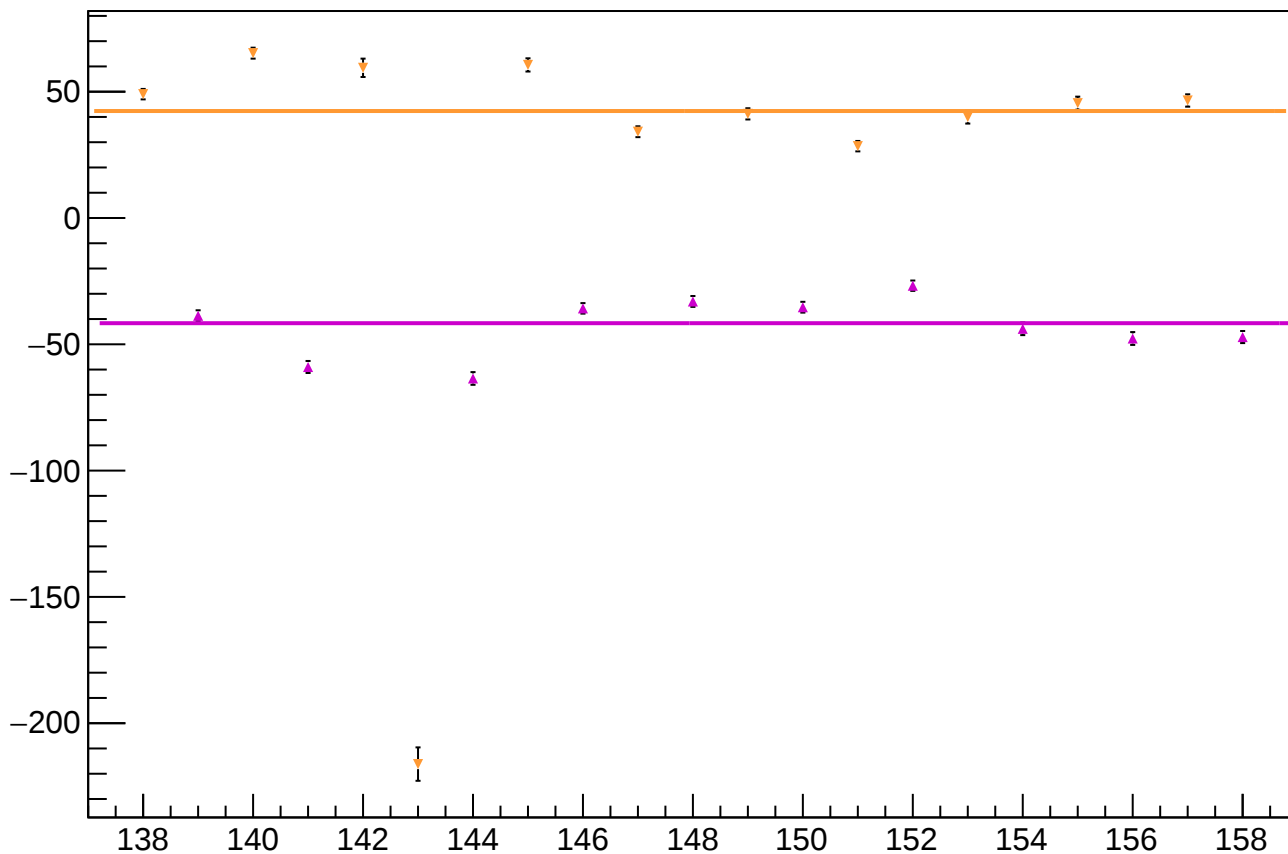
Left In: 286.325+/-0.122 χ^2/NDF : 28820.5/9

-255.943+/-0.094 χ^2/NDF : 361482.2/27

5.848+/-0.066 χ^2/NDF : 16023048.0/57

260.768+/-0.092 χ^2/NDF : 230174.4/29

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 42.346+/-0.743 χ^2/NDF : 1786.6/10

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

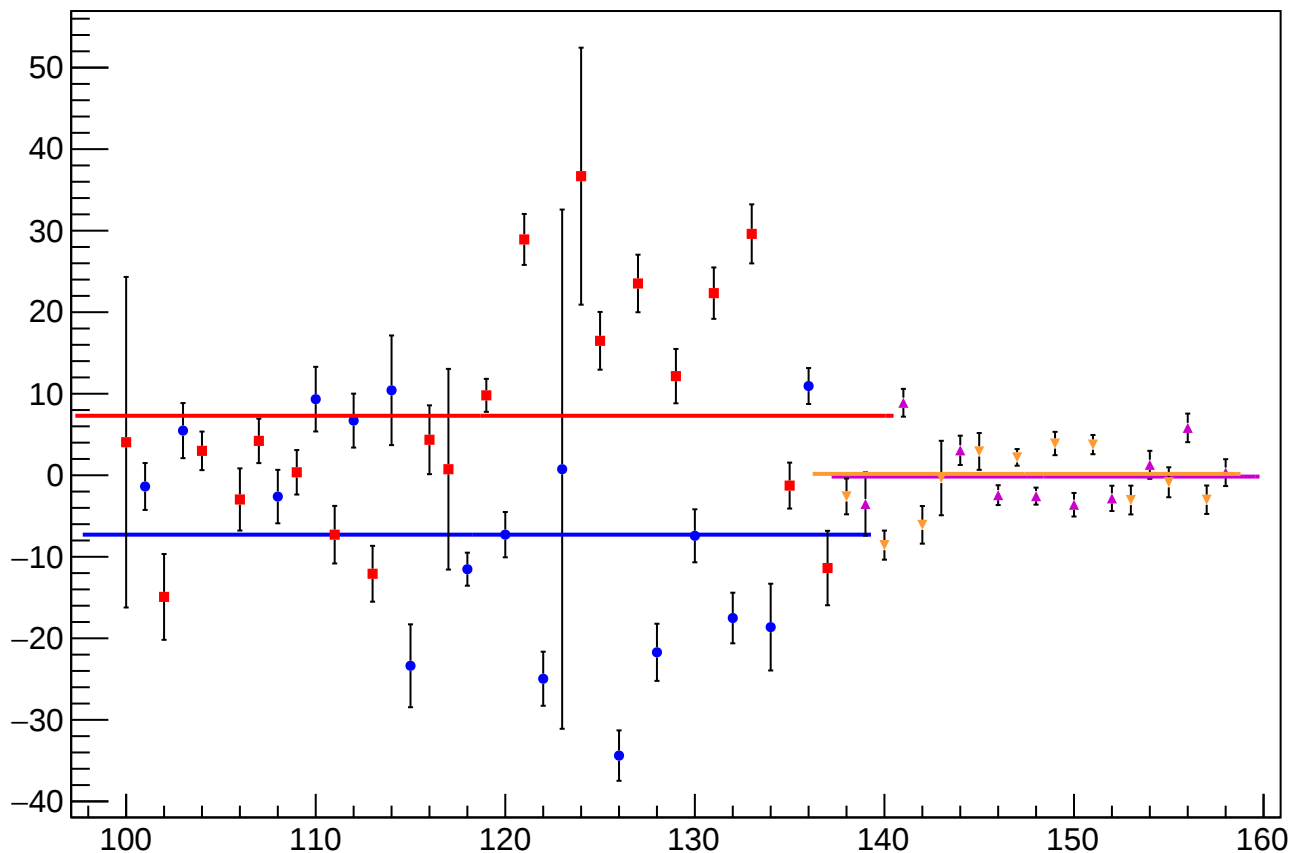
Left In: -41.644+/-0.718 χ^2/NDF : 227.6/9

42.346+/-0.743 χ^2/NDF : 1786.6/10

-1.094+/-0.516 χ^2/NDF : 8626.6/20

-41.644+/-0.718 χ^2/NDF : 227.6/9

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.284 ± 0.789 χ^2/NDF : 283.2/16

Left Out: 0.170 ± 0.496 χ^2/NDF : 61.4/10

Right Out: 7.298 ± 0.759 χ^2/NDF : 255.6/19

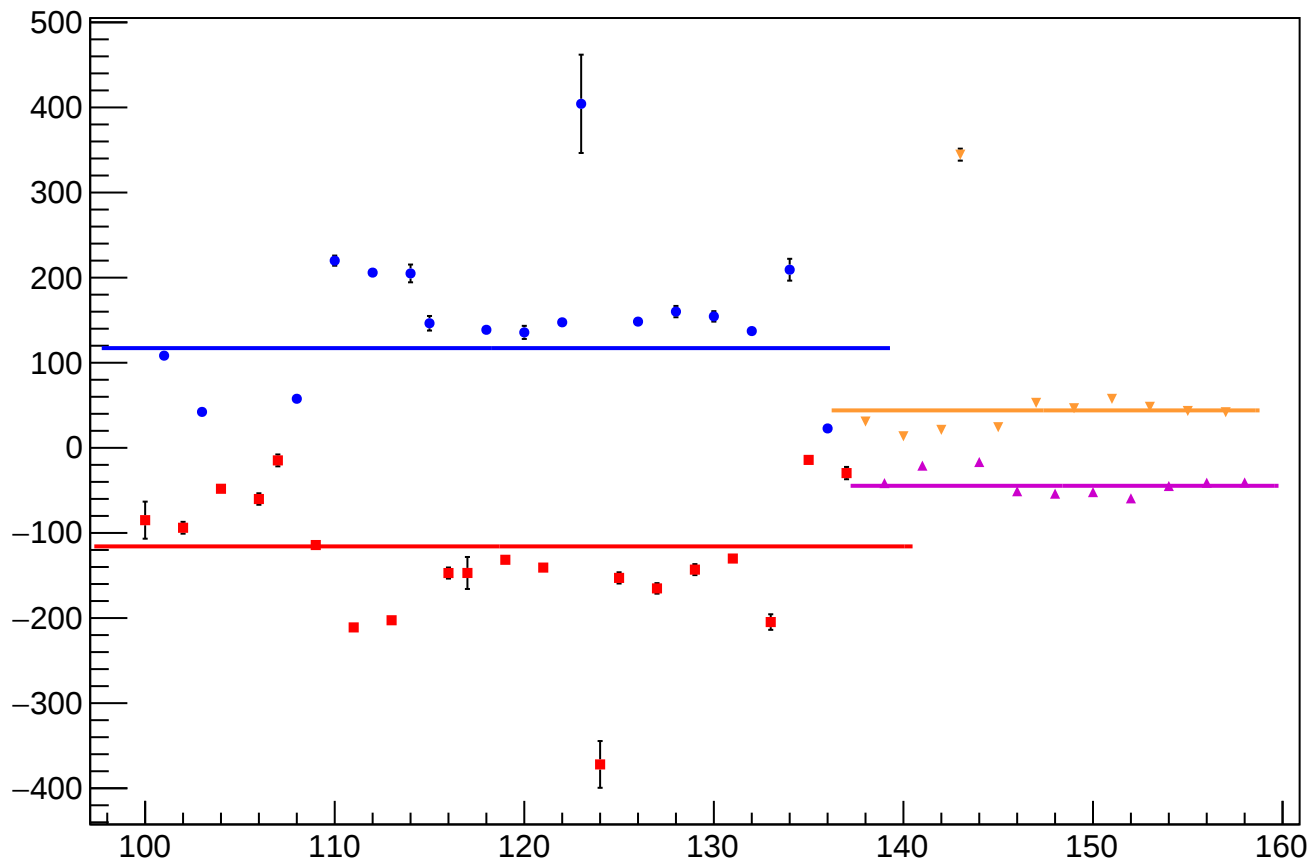
Left In: -0.161 ± 0.486 χ^2/NDF : 62.0/9

-1.940 ± 0.420 χ^2/NDF : 408.6/27

0.082 ± 0.293 χ^2/NDF : 840.0/57

2.004 ± 0.409 χ^2/NDF : 386.1/29

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 117.187 $\pm$ 1.416 χ^2/NDF : 2161.0/16

Left Out: 44.010 $\pm$ 0.728 χ^2/NDF : 2179.8/10

Right Out: -115.795 $\pm$ 1.357 χ^2/NDF : 2140.4/19

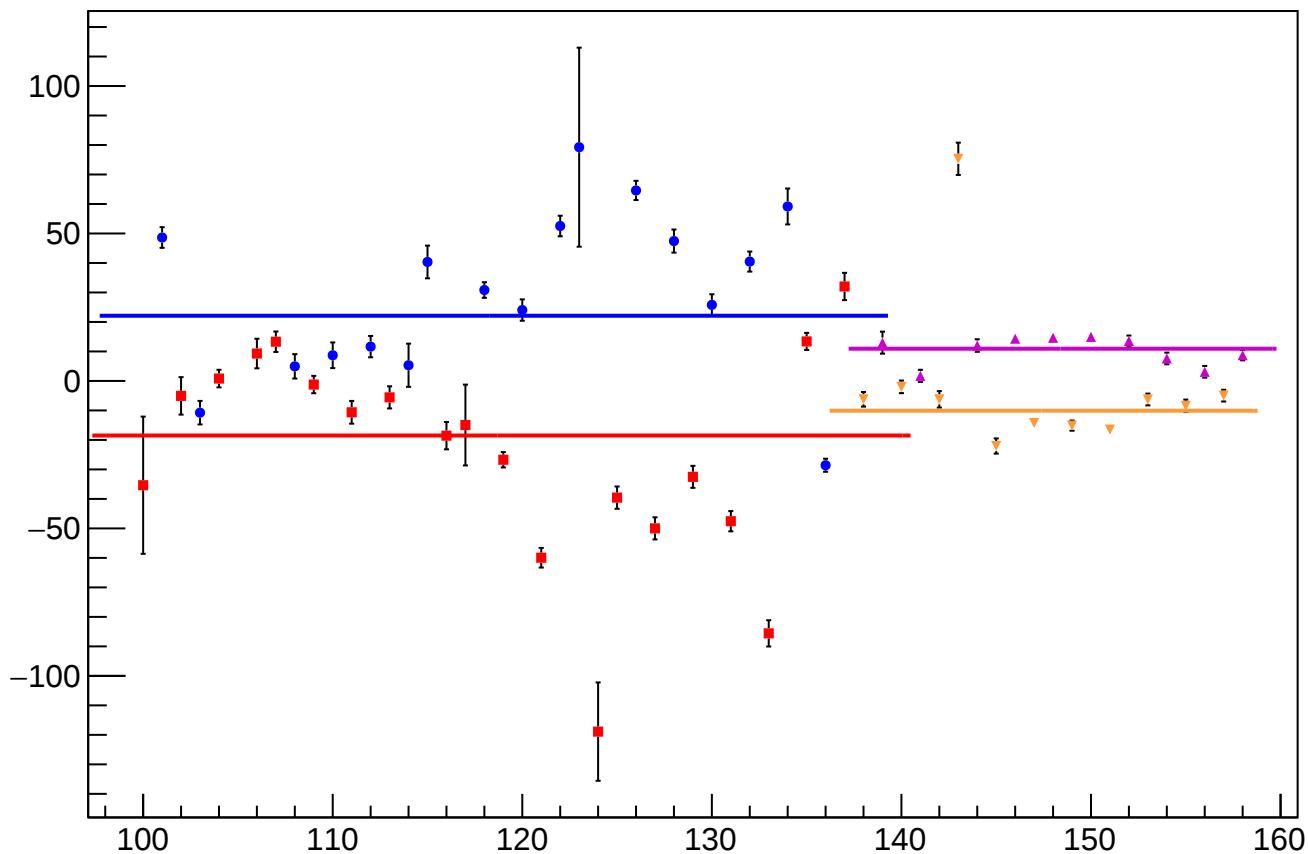
Left In: -44.595 $\pm$ 0.698 χ^2/NDF : 304.7/9

59.300 $\pm$ 0.647 χ^2/NDF : 6452.4/27

-2.606 $\pm$ 0.448 χ^2/NDF : 28615.3/57

-59.472 $\pm$ 0.621 χ^2/NDF : 4621.3/29

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.110 ± 0.898 χ^2/NDF : 1070.3/16

Left Out: -10.093 ± 0.610 χ^2/NDF : 329.2/10

Right Out: -18.506 ± 0.869 χ^2/NDF : 1068.6/19

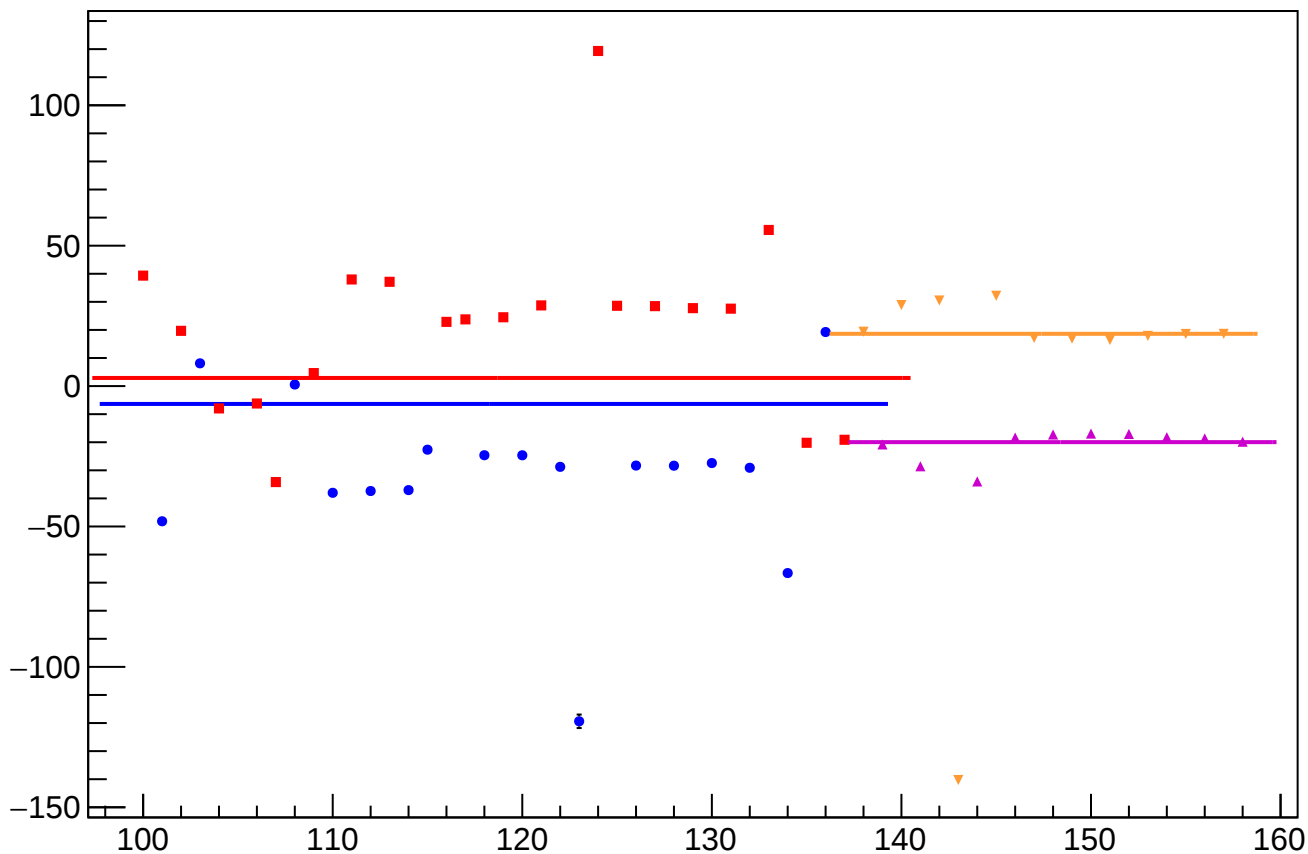
Left In: 10.930 ± 0.587 χ^2/NDF : 59.6/9

0.076 ± 0.505 χ^2/NDF : 2279.1/27

0.928 ± 0.350 χ^2/NDF : 4200.5/57

1.720 ± 0.486 χ^2/NDF : 1915.9/29

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

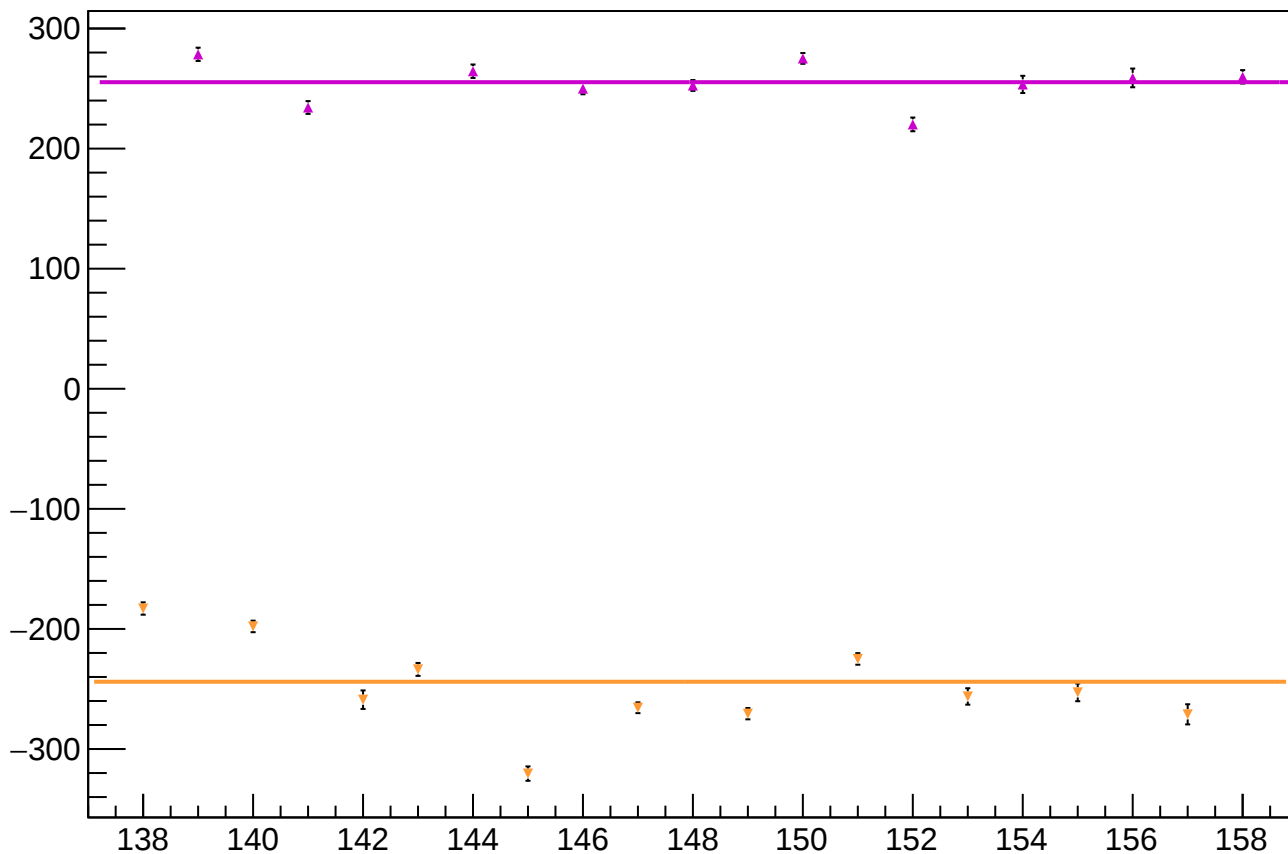
Left In: -19.962 ± 0.027 χ^2/NDF : 26106.9/9

11.626 ± 0.025 χ^2/NDF : 822758.7/27

-1.739 ± 0.017 χ^2/NDF : 1868776.5/57

-13.951 ± 0.023 χ^2/NDF : 476806.5/29

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -243.973+/-1.687 χ^2/NDF : 487.5/10

-243.973+/-1.687 χ^2/NDF : 487.5/10

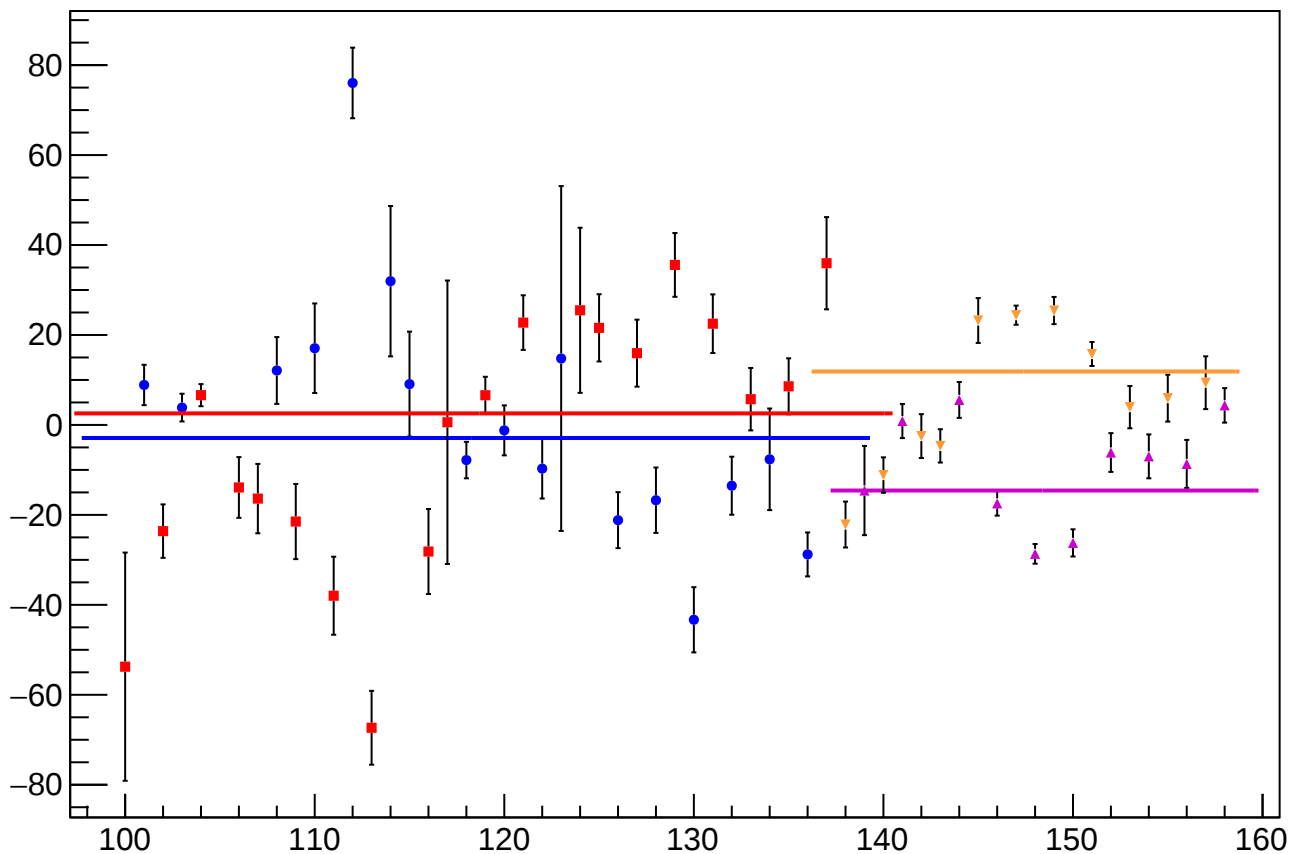
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

2.359+/-1.201 χ^2/NDF : 43781.4/20

Left In: 255.312+/-1.710 χ^2/NDF : 95.7/9

255.312+/-1.710 χ^2/NDF : 95.7/9

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.901 ± 1.467 $\chi^2/\text{NDF}: 203.6/16$

Left Out: 11.877 ± 1.092 $\chi^2/\text{NDF}: 173.4/10$

Right Out: 2.566 ± 1.395 $\chi^2/\text{NDF}: 218.2/19$

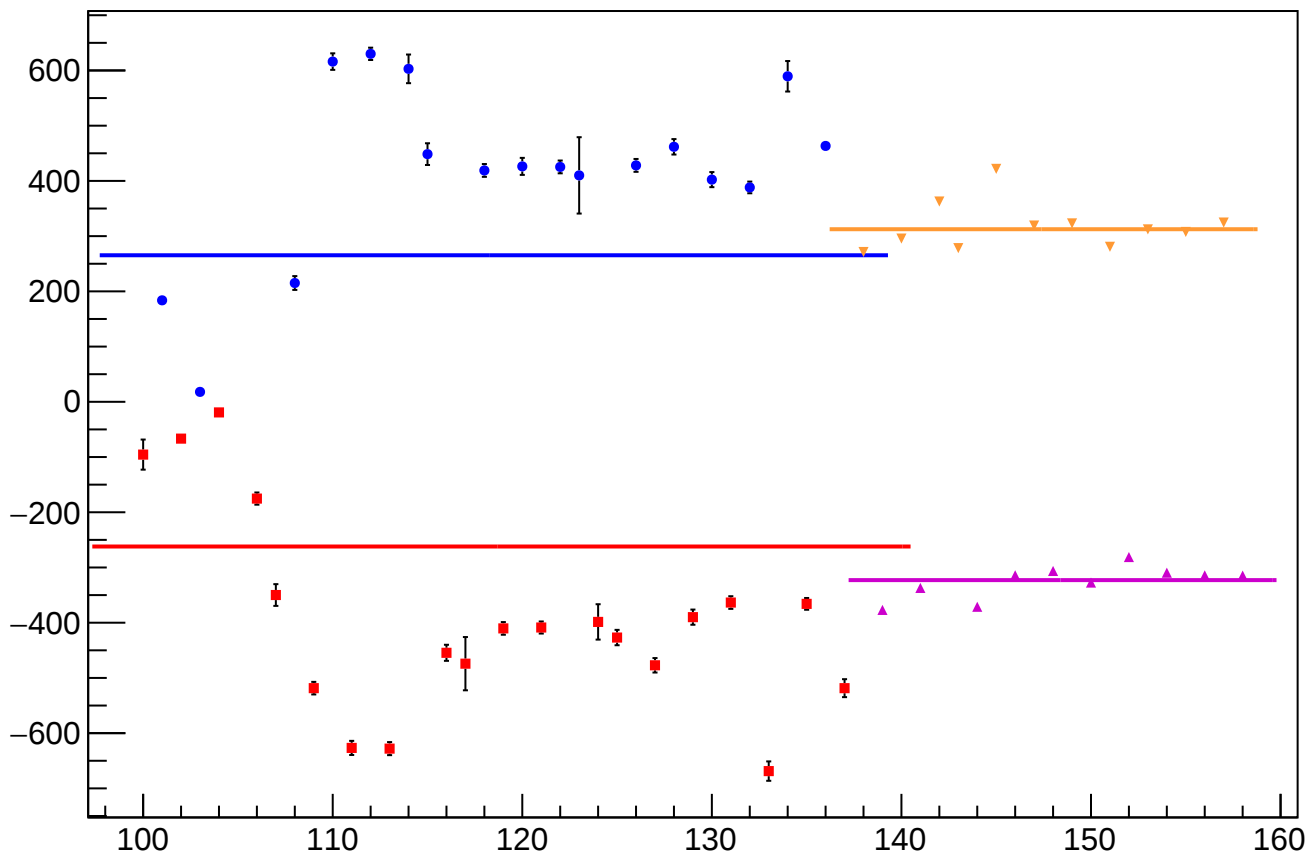
Left In: -14.584 ± 1.121 $\chi^2/\text{NDF}: 131.4/9$

6.611 ± 0.876 $\chi^2/\text{NDF}: 442.3/27$

-0.636 ± 0.619 $\chi^2/\text{NDF}: 1020.4/57$

-7.852 ± 0.874 $\chi^2/\text{NDF}: 441.4/29$

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 8223.7/19$

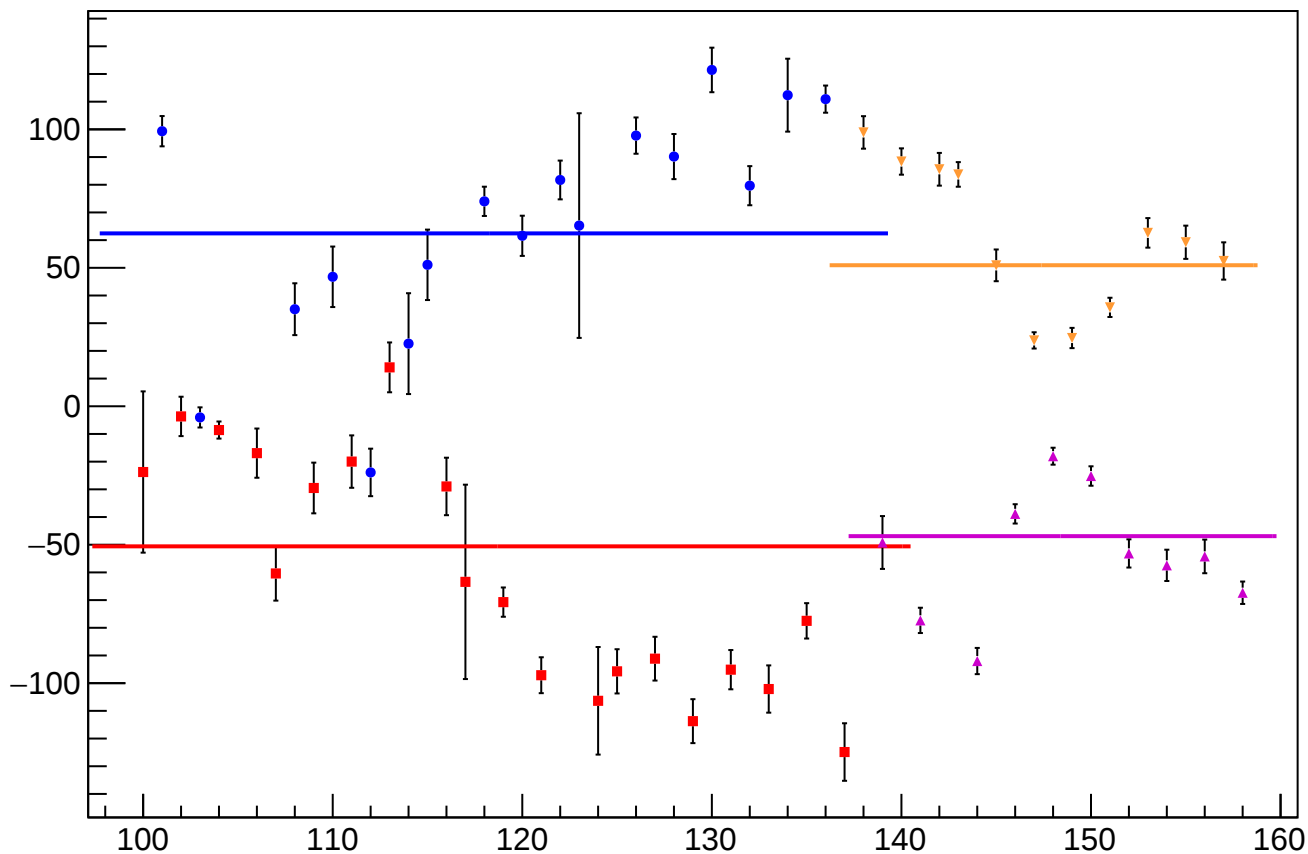
Left In: -322.872 ± 1.663 $\chi^2/\text{NDF}: 238.1/9$

297.869 ± 1.387 $\chi^2/\text{NDF}: 8379.8/27$

-5.072 ± 0.977 $\chi^2/\text{NDF}: 112027.7/57$

-303.724 ± 1.377 $\chi^2/\text{NDF}: 8883.0/29$

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 62.434+/-1.694 χ^2/NDF : 721.8/16

Left Out: 50.934+/-1.359 χ^2/NDF : 380.6/10

Right Out: -50.588+/-1.640 χ^2/NDF : 657.5/19

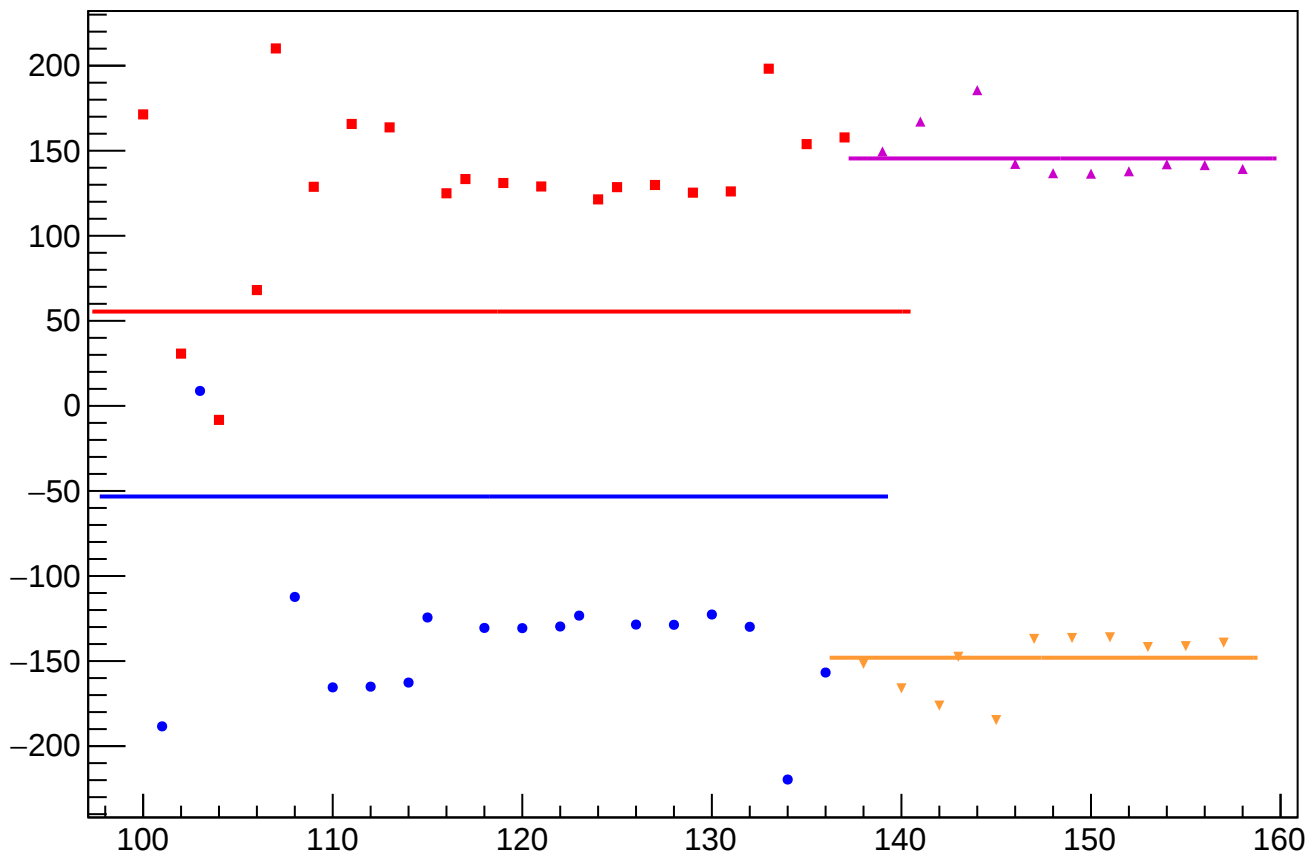
Left In: -46.906+/-1.371 χ^2/NDF : 299.8/9

55.438+/-1.060 χ^2/NDF : 1130.4/27

3.114+/-0.747 χ^2/NDF : 6927.2/57

-48.421+/-1.052 χ^2/NDF : 960.3/29

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -53.264 $\pm$ 0.070 χ^2 /NDF: 1225492.9/16

Left Out: -148.041 $\pm$ 0.068 χ^2 /NDF: 48761.6/10

Right Out: 55.455 $\pm$ 0.072 χ^2 /NDF: 968274.5/19

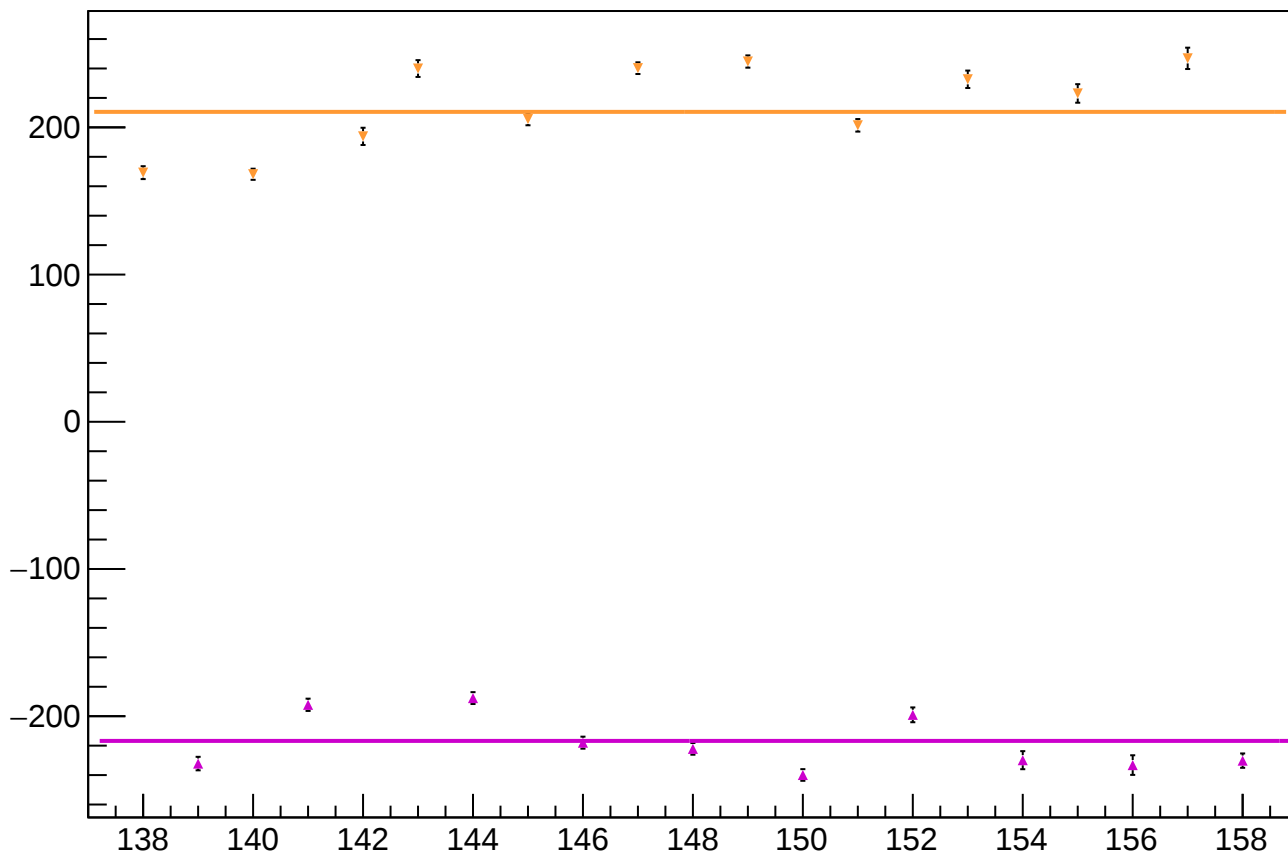
Left In: 145.465 $\pm$ 0.066 χ^2 /NDF: 40543.0/9

-102.018 $\pm$ 0.049 χ^2 /NDF: 2206269.3/27

1.627 $\pm$ 0.035 χ^2 /NDF: 12932571.8/57

104.054 $\pm$ 0.049 χ^2 /NDF: 1854687.1/29

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 210.533+/-1.433 χ^2/NDF : 421.3/10

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

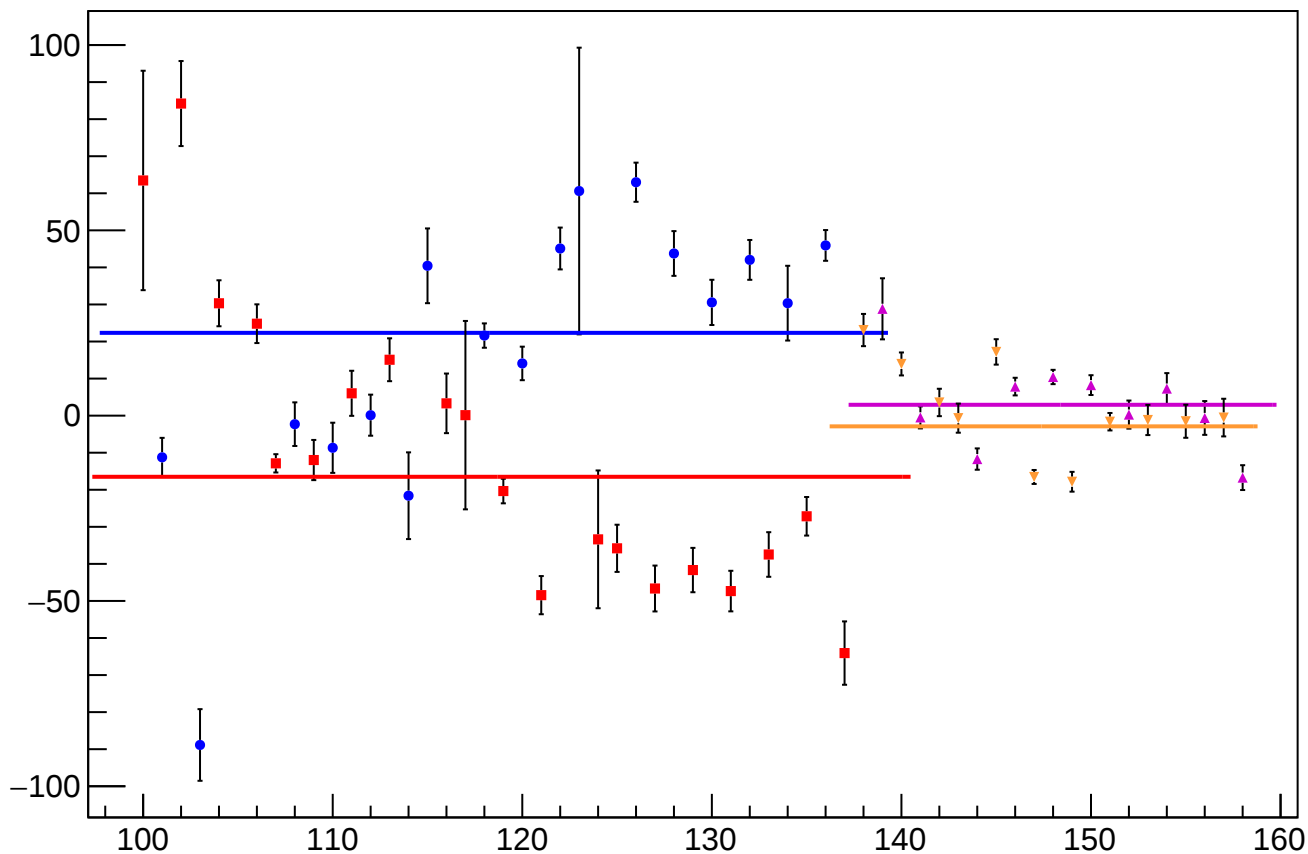
Left In: -216.784+/-1.437 χ^2/NDF : 164.6/9

210.533+/-1.433 χ^2/NDF : 421.3/10

-2.436+/-1.015 χ^2/NDF : 44919.6/20

-216.784+/-1.437 χ^2/NDF : 164.6/9

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.342 $\pm$ 1.395 χ^2 /NDF: 385.8/16

Left Out: -2.891 $\pm$ 0.940 χ^2 /NDF: 187.5/10

Right Out: -16.498 $\pm$ 1.226 χ^2 /NDF: 427.0/19

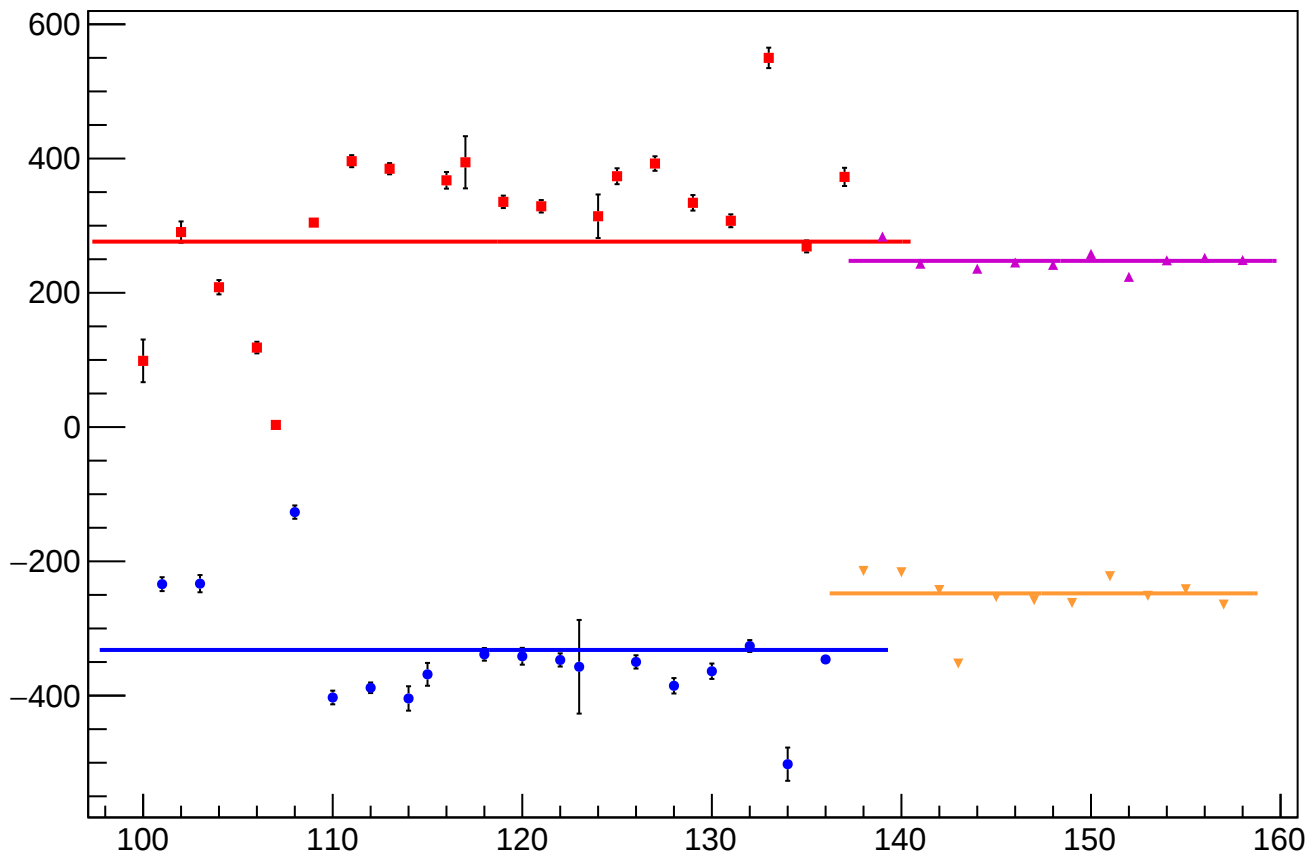
Left In: 2.928 $\pm$ 0.954 χ^2 /NDF: 97.0/9

4.988 $\pm$ 0.780 χ^2 /NDF: 798.3/27

0.130 $\pm$ 0.542 χ^2 /NDF: 1553.7/57

-4.404 $\pm$ 0.753 χ^2 /NDF: 680.3/29

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -331.989+/-2.580 χ^2/NDF : 785.0/16

Left Out: -247.721+/-1.425 χ^2/NDF : 475.1/10

Right Out: 276.265+/-2.320 χ^2/NDF : 3371.5/19

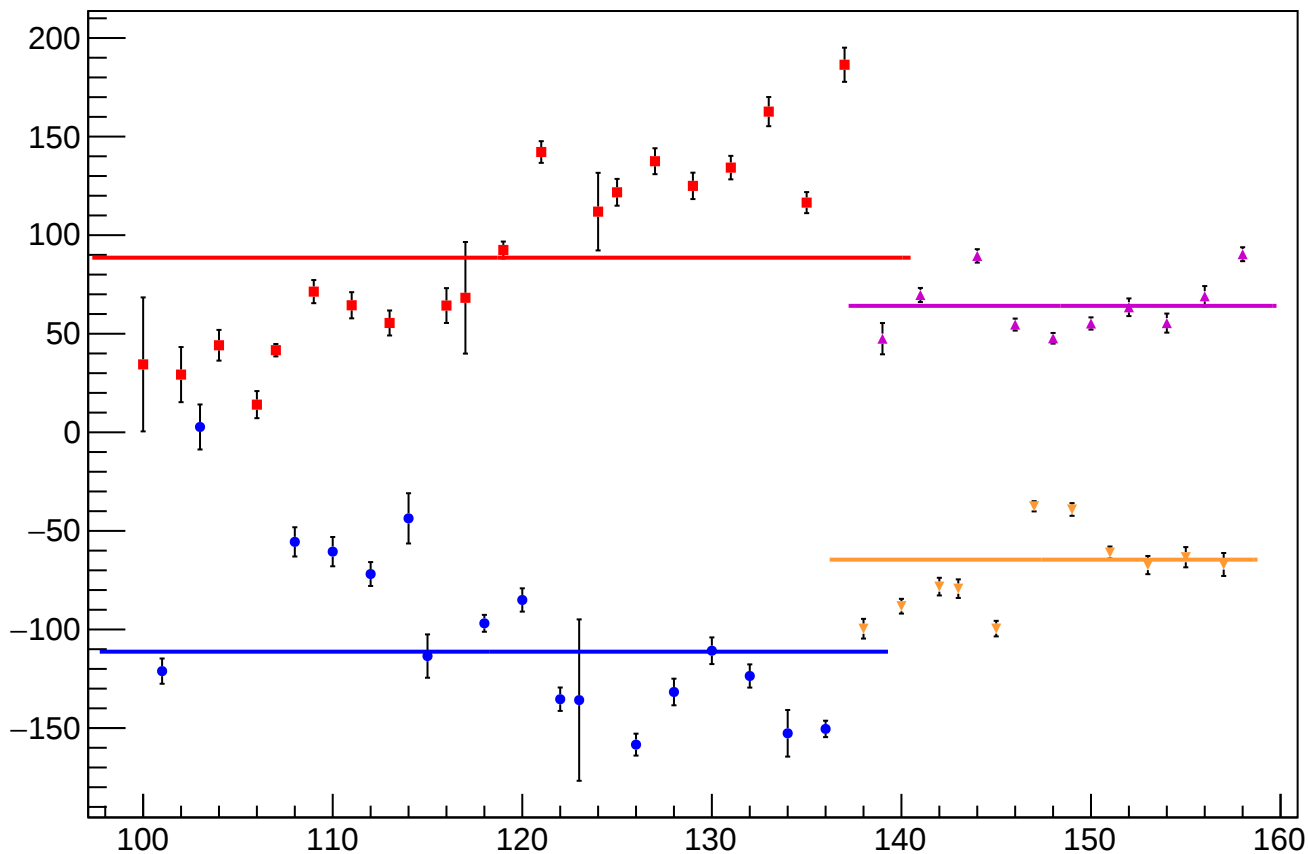
Left In: 247.582+/-1.407 χ^2/NDF : 97.0/9

-267.417+/-1.247 χ^2/NDF : 2077.4/27

3.336+/-0.866 χ^2/NDF : 96611.2/57

255.296+/-1.203 χ^2/NDF : 3580.2/29

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -111.257 ± 1.597 χ^2/NDF : 509.6/16

Left Out: -64.585 ± 1.166 χ^2/NDF : 359.4/10

Right Out: 88.581 ± 1.431 χ^2/NDF : 971.5/19

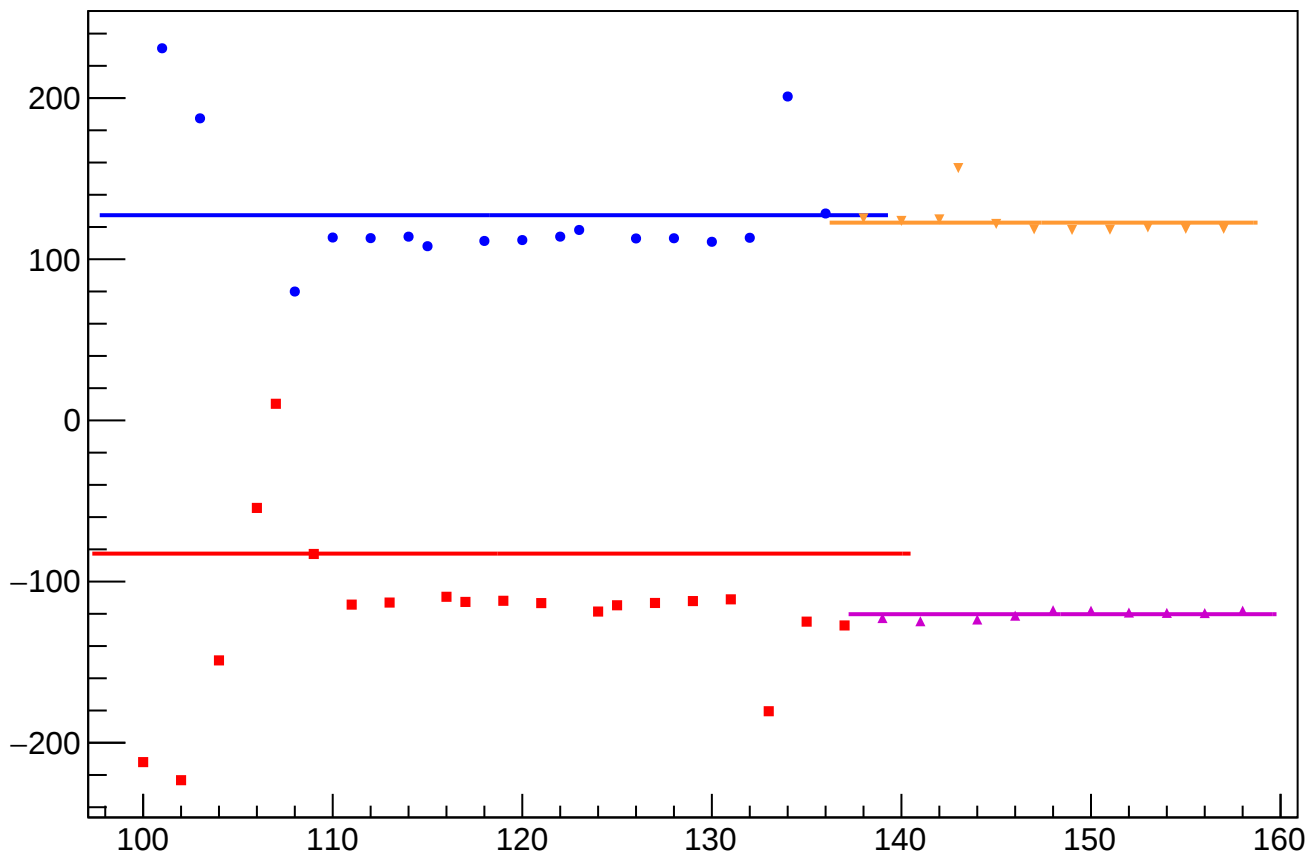
Left In: 64.147 ± 1.163 χ^2/NDF : 176.2/9

-80.813 ± 0.942 χ^2/NDF : 1425.9/27

-0.197 ± 0.652 χ^2/NDF : 16807.8/57

73.868 ± 0.903 χ^2/NDF : 1323.2/29

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 127.323+/-0.089 χ^2/NDF : 187776.4/16

Left Out: 122.711+/-0.058 χ^2/NDF : 22211.4/10

Right Out: -82.649+/-0.075 χ^2/NDF : 765307.1/19

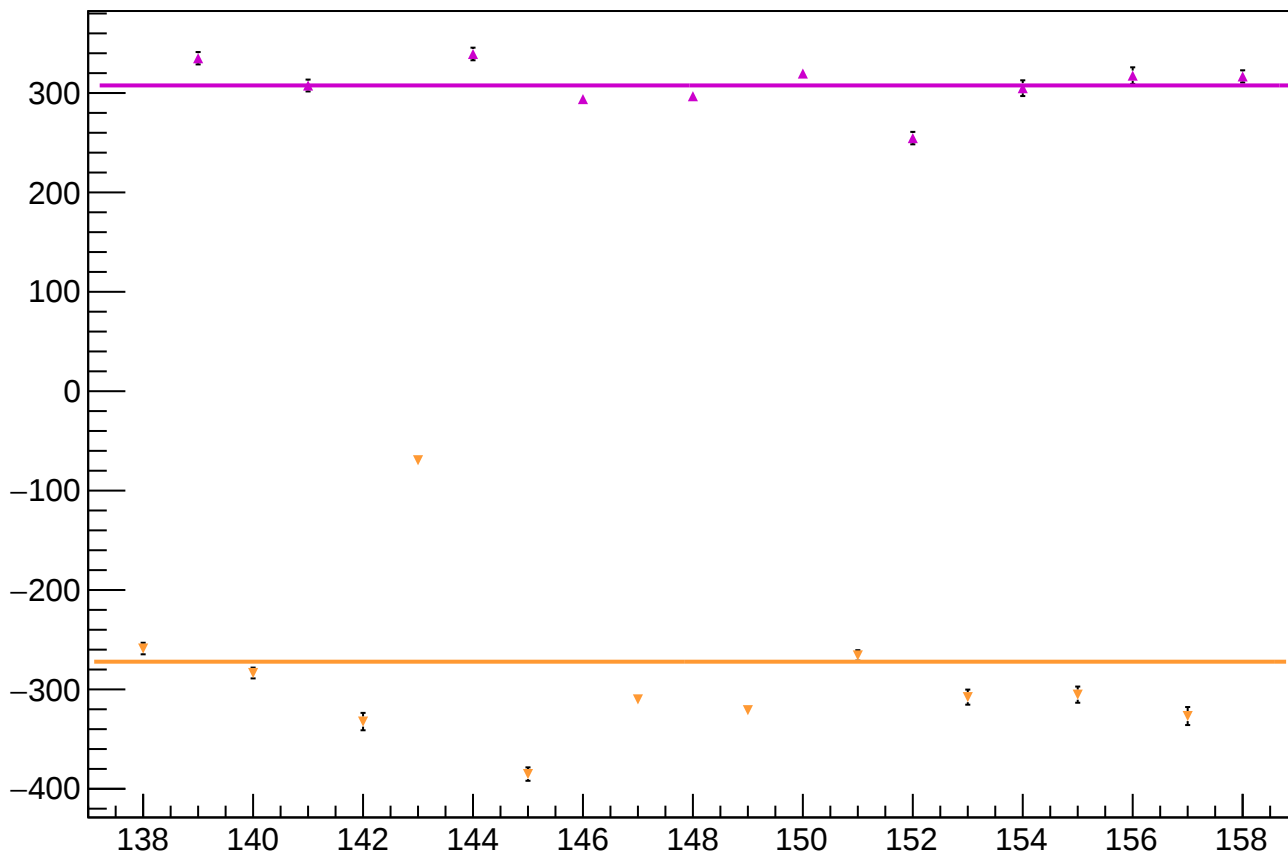
Left In: -120.235+/-0.056 χ^2/NDF : 1777.6/9

124.084+/-0.049 χ^2/NDF : 211855.1/27

-0.568+/-0.033 χ^2/NDF : 13222183.2/57

-106.785+/-0.045 χ^2/NDF : 927046.6/29

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -272.120+/-1.819 χ^2/NDF : 2262.3/10

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

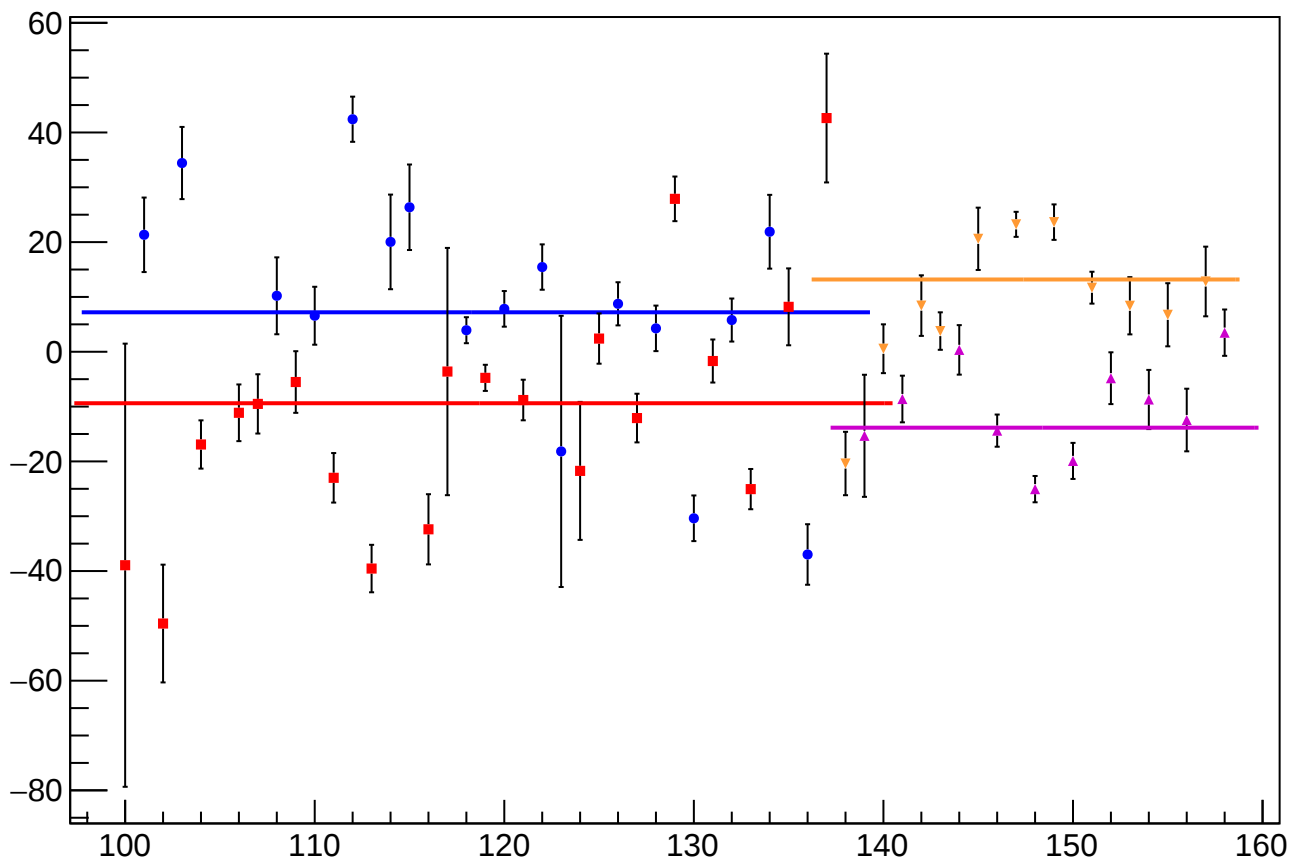
Left In: 307.631+/-1.881 χ^2/NDF : 137.7/9

-272.120+/-1.819 χ^2/NDF : 2262.3/10

7.954+/-1.307 χ^2/NDF : 51497.3/20

307.631+/-1.881 χ^2/NDF : 137.7/9

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.199 ± 1.103 $\chi^2/\text{NDF}: 260.9/16$

Left Out: 13.184 ± 1.173 $\chi^2/\text{NDF}: 84.0/10$

Right Out: -9.390 ± 1.070 $\chi^2/\text{NDF}: 232.2/19$

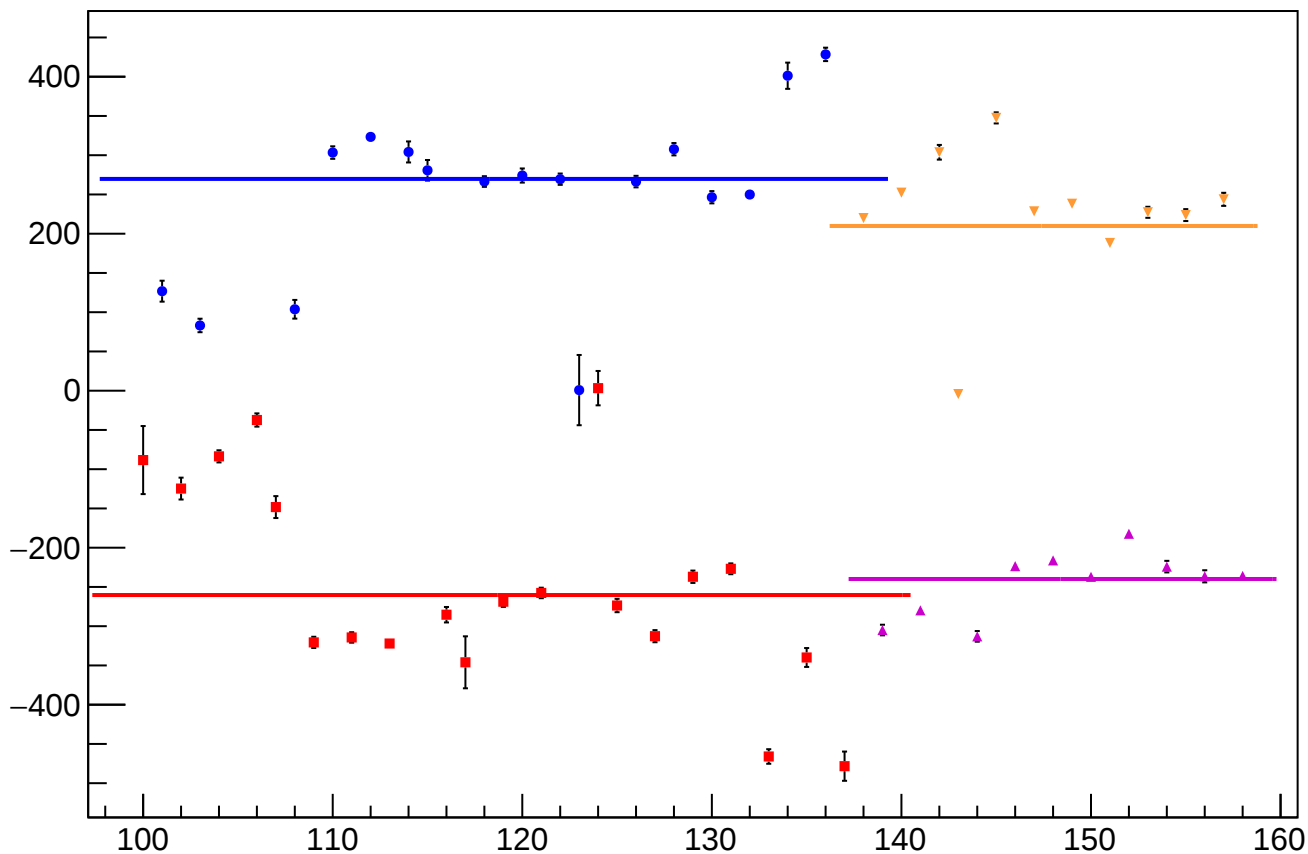
Left In: -13.850 ± 1.231 $\chi^2/\text{NDF}: 58.1/9$

10.008 ± 0.804 $\chi^2/\text{NDF}: 358.7/27$

-0.599 ± 0.570 $\chi^2/\text{NDF}: 1006.6/57$

-11.309 ± 0.807 $\chi^2/\text{NDF}: 297.8/29$

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 269.806 ± 2.089 χ^2/NDF : 1374.1/16

Left Out: 209.859 ± 1.801 χ^2/NDF : 2292.6/10

Right Out: -260.286 ± 1.973 χ^2/NDF : 2545.4/19

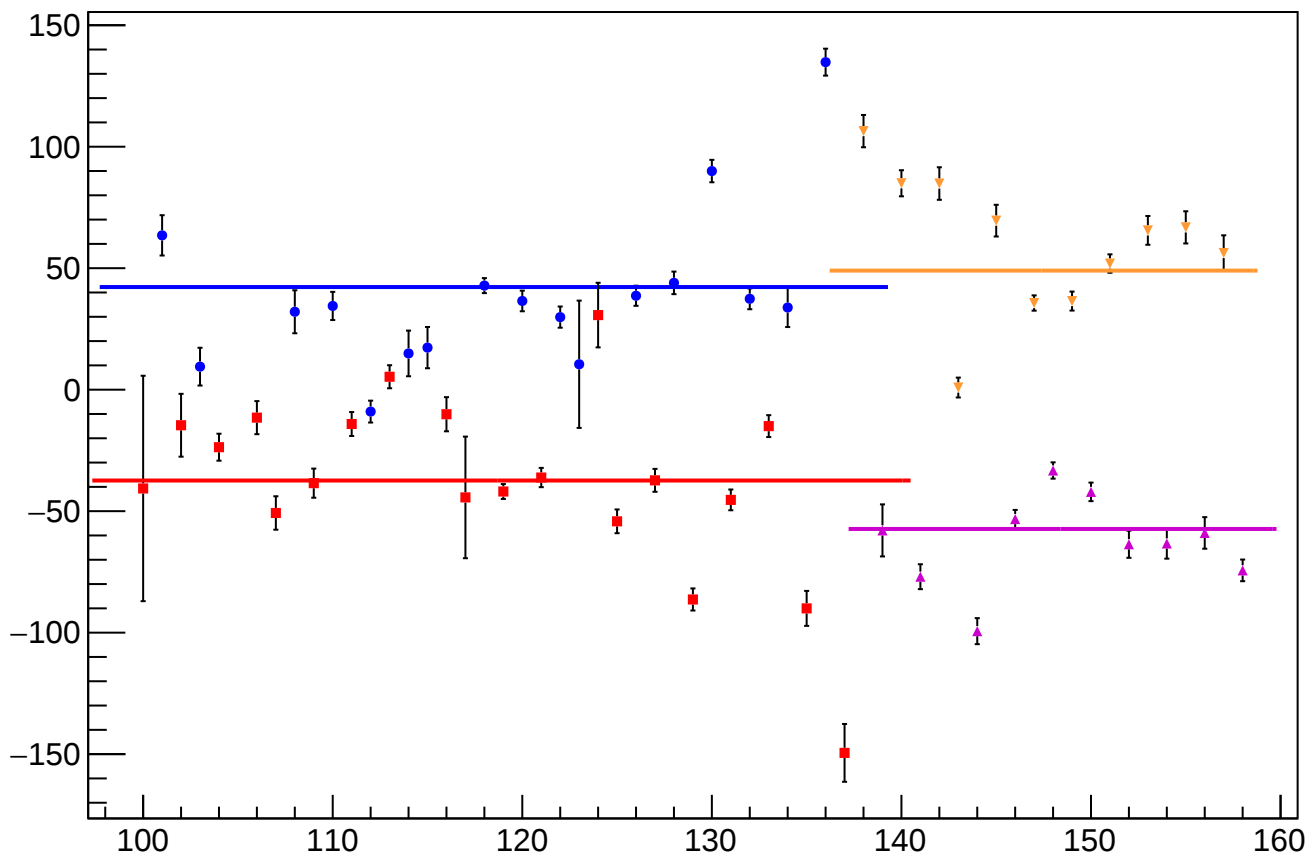
Left In: -239.862 ± 1.827 χ^2/NDF : 383.5/9

235.421 ± 1.364 χ^2/NDF : 4139.0/27

-11.144 ± 0.956 χ^2/NDF : 71344.4/57

-249.289 ± 1.341 χ^2/NDF : 2986.5/29

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.242 ± 1.274 $\chi^2/\text{NDF}: 574.4/16$

Left Out: 49.010 ± 1.460 $\chi^2/\text{NDF}: 341.3/10$

Right Out: -37.384 ± 1.233 $\chi^2/\text{NDF}: 472.4/19$

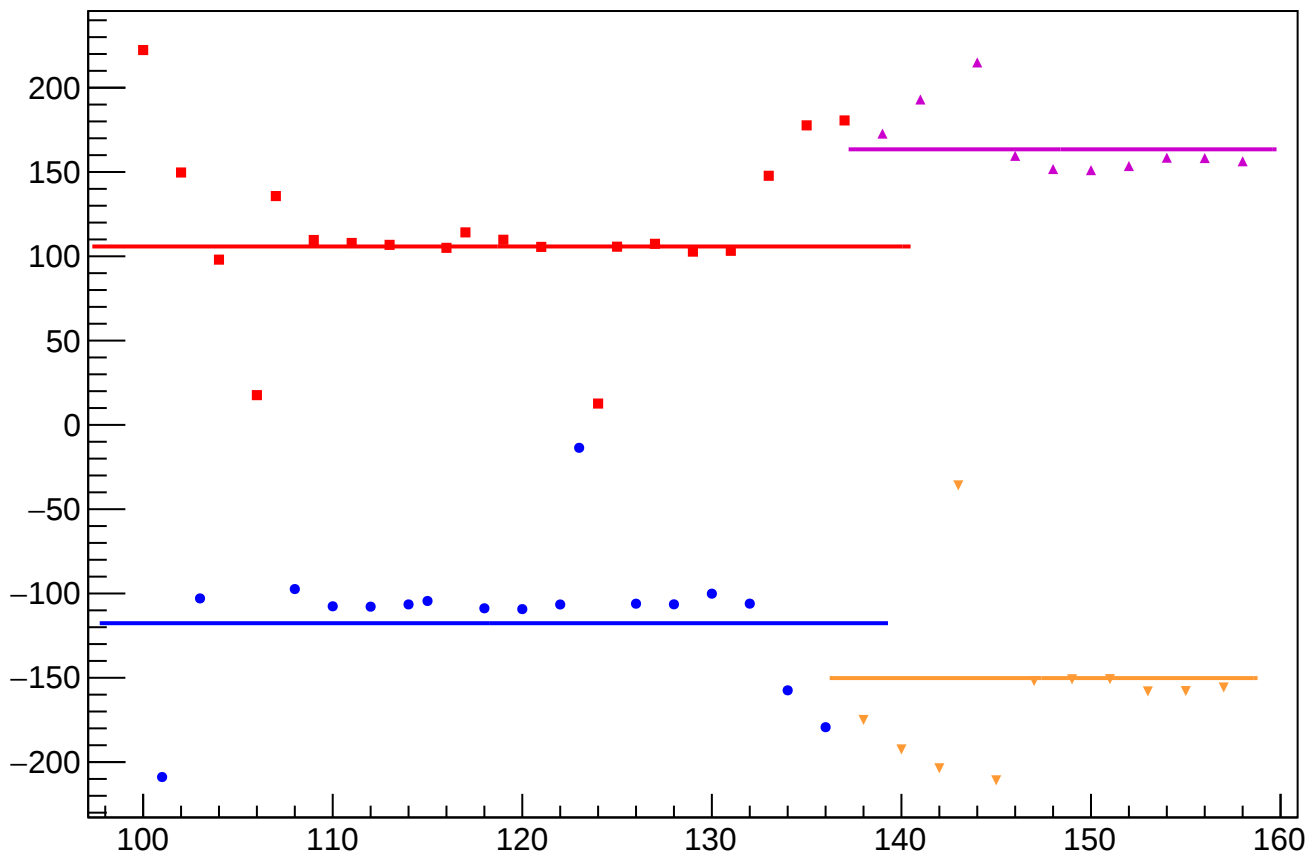
Left In: -57.321 ± 1.505 $\chi^2/\text{NDF}: 161.7/9$

45.165 ± 0.960 $\chi^2/\text{NDF}: 927.8/27$

-0.397 ± 0.677 $\chi^2/\text{NDF}: 6145.1/57$

-45.390 ± 0.954 $\chi^2/\text{NDF}: 739.1/29$

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -117.625+/-0.079 χ^2/NDF : 141872.3/16

Left Out: -150.176+/-0.074 χ^2/NDF : 402367.9/10

Right Out: 105.826+/-0.073 χ^2/NDF : 323138.4/19

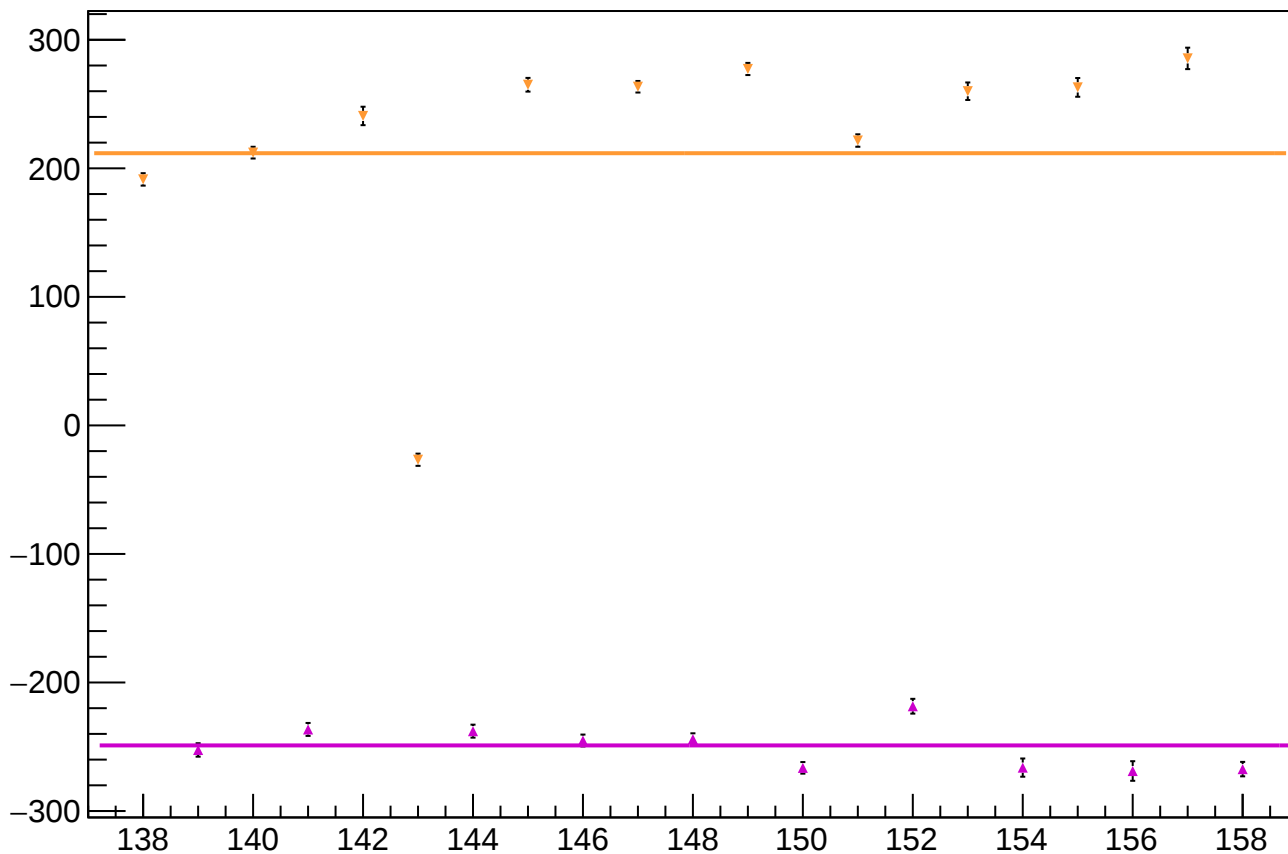
Left In: 163.450+/-0.073 χ^2/NDF : 56368.4/9

-134.913+/-0.054 χ^2/NDF : 635502.0/27

5.601+/-0.037 χ^2/NDF : 14422728.4/57

134.545+/-0.052 χ^2/NDF : 692362.3/29

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 211.769+/-1.621 χ^2/NDF : 3155.2/10

211.769+/-1.621 χ^2/NDF : 3155.2/10

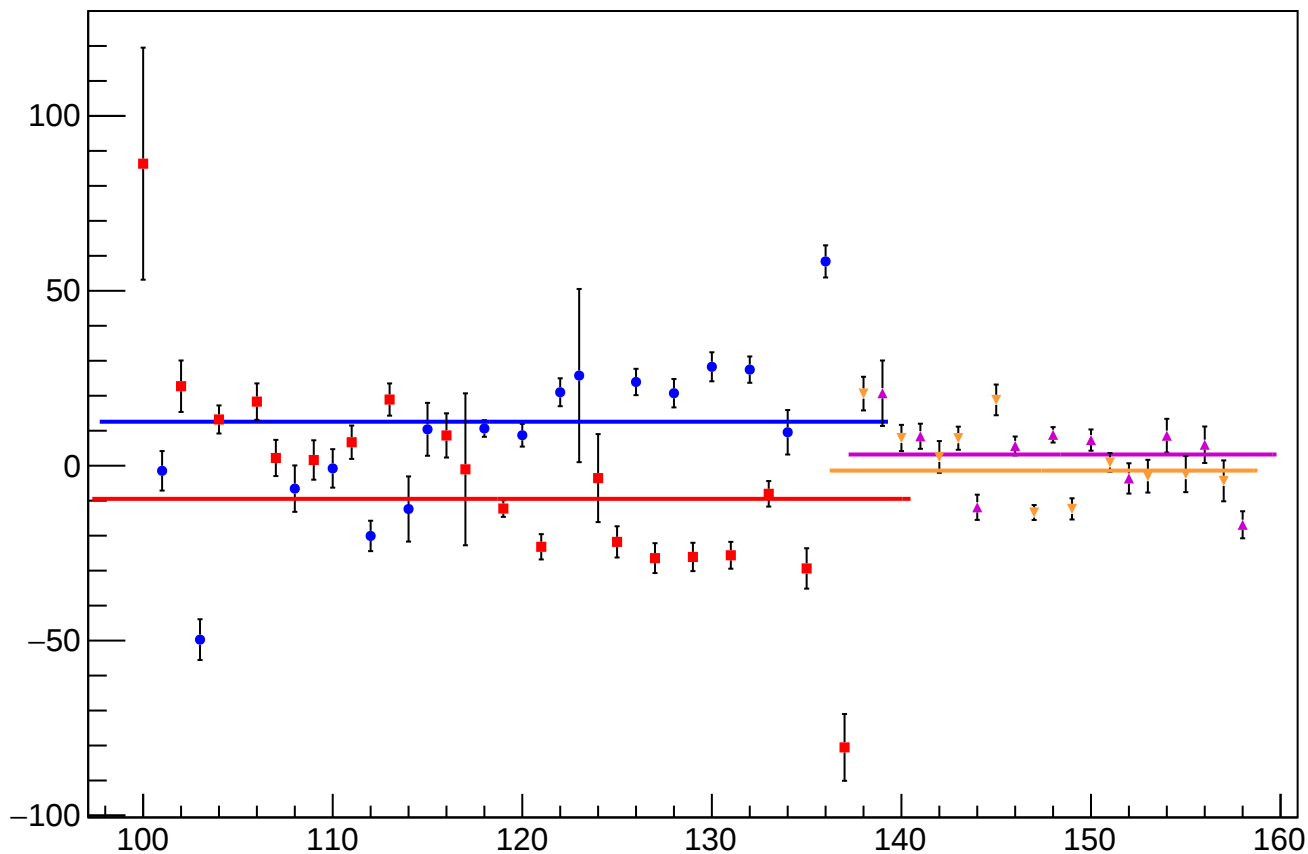
-11.602+/-1.164 χ^2/NDF : 42399.5/20

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

-248.961+/-1.671 χ^2/NDF : 79.8/9

Left In: -248.961+/-1.671 χ^2/NDF : 79.8/9

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.574 ± 1.074 $\chi^2/\text{NDF}: 348.0/16$

Left Out: -1.395 ± 1.062 $\chi^2/\text{NDF}: 102.7/10$

Right Out: -9.474 ± 1.046 $\chi^2/\text{NDF}: 296.0/19$

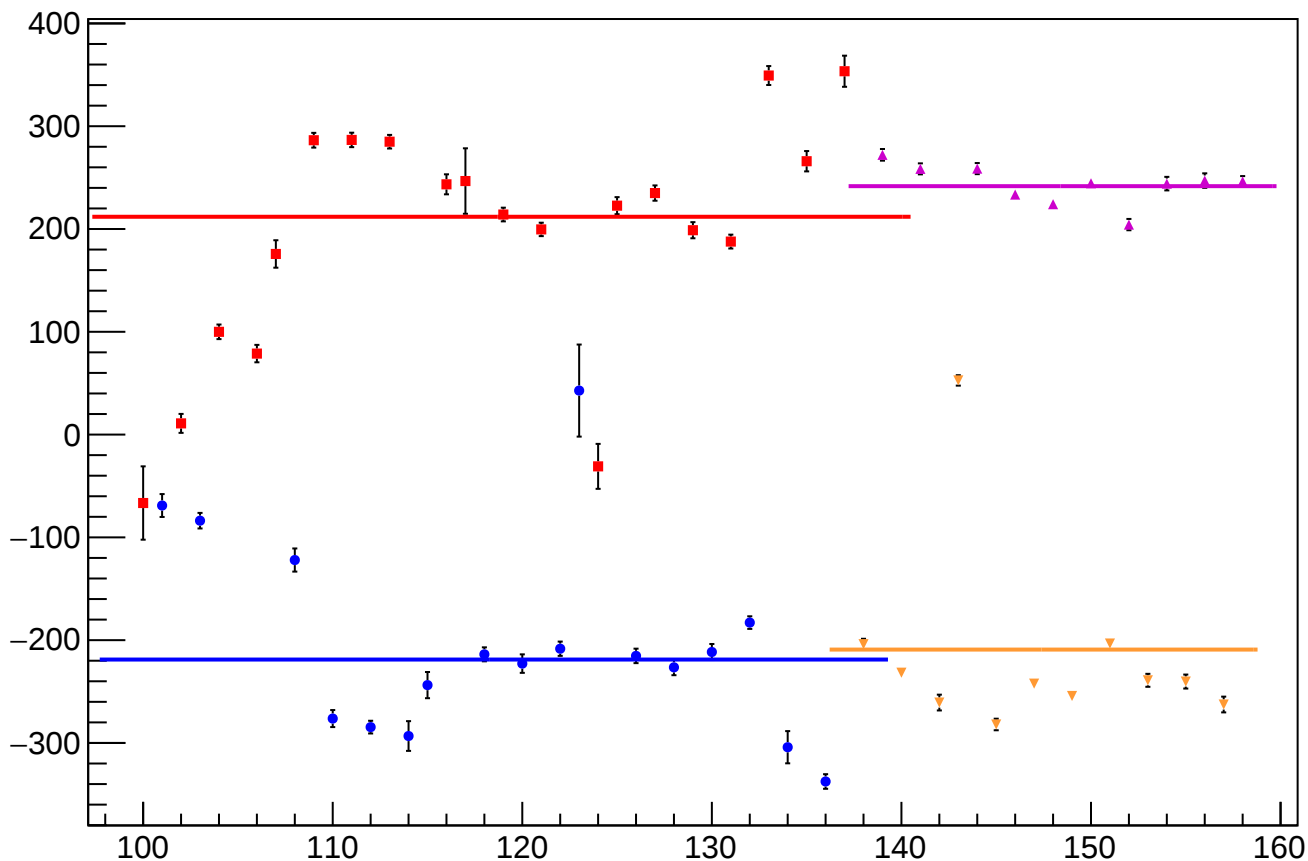
Left In: 3.203 ± 1.107 $\chi^2/\text{NDF}: 63.3/9$

5.508 ± 0.755 $\chi^2/\text{NDF}: 536.3/27$

1.039 ± 0.536 $\chi^2/\text{NDF}: 1035.4/57$

-3.493 ± 0.760 $\chi^2/\text{NDF}: 428.6/29$

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -218.855 ± 2.023 χ^2/NDF : 1146.6/16

Left Out: -209.158 ± 1.614 χ^2/NDF : 3156.5/10

Right Out: 211.907 ± 1.920 χ^2/NDF : 1886.4/19

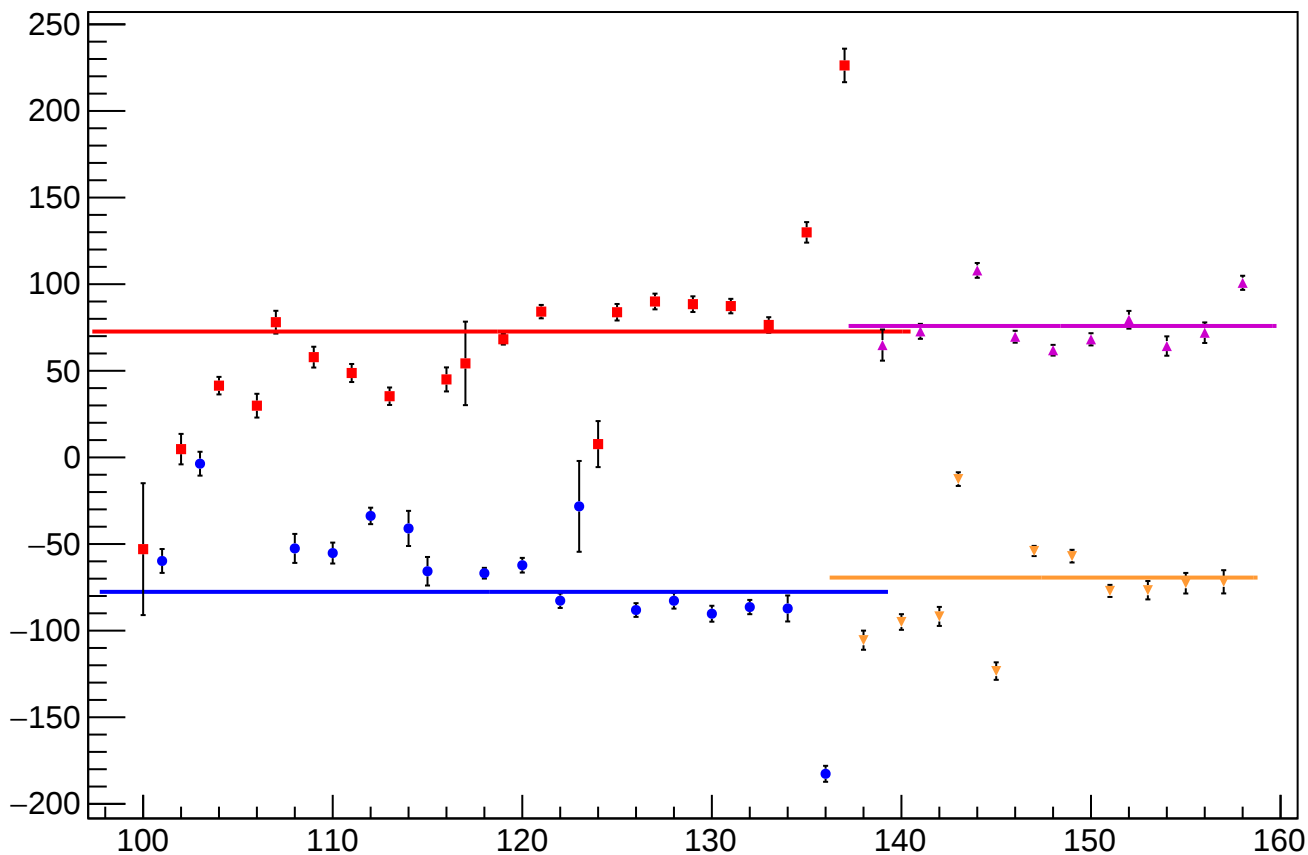
Left In: 241.677 ± 1.632 χ^2/NDF : 117.1/9

-212.930 ± 1.261 χ^2/NDF : 4317.1/27

11.307 ± 0.886 χ^2/NDF : 68759.9/57

229.194 ± 1.243 χ^2/NDF : 2143.0/29

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -77.612 ± 1.236 χ^2/NDF : 815.9/16

Left Out: -69.373 ± 1.317 χ^2/NDF : 458.7/10

Right Out: 72.664 ± 1.205 χ^2/NDF : 672.0/19

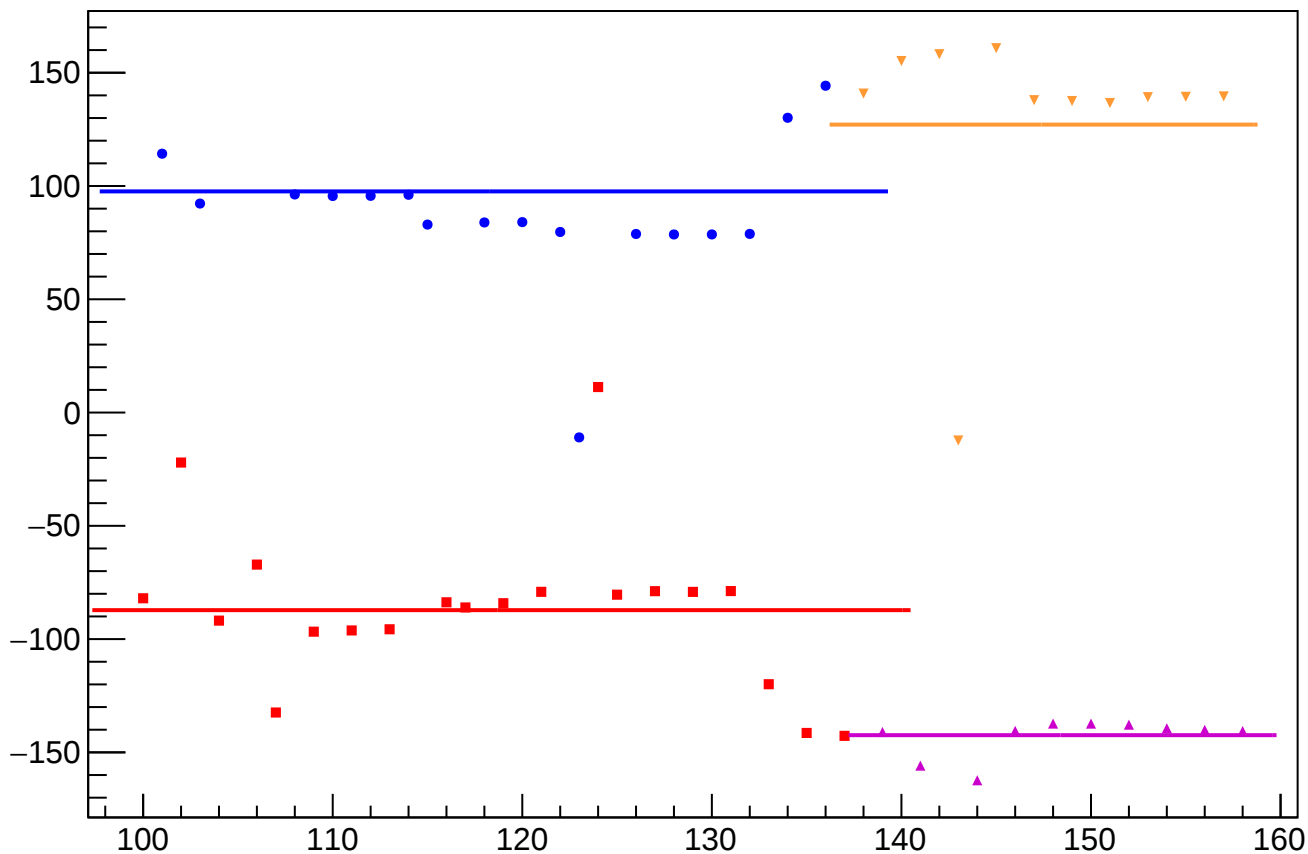
Left In: 75.883 ± 1.350 χ^2/NDF : 129.4/9

-73.752 ± 0.901 χ^2/NDF : 1295.4/27

0.368 ± 0.637 χ^2/NDF : 15586.5/57

74.090 ± 0.899 χ^2/NDF : 804.6/29

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 97.620+/-0.074 χ^2/NDF : 94045.2/16

Left Out: 127.103+/-0.066 χ^2/NDF : 542383.8/10

Right Out: -87.224+/-0.068 χ^2/NDF : 220851.2/19

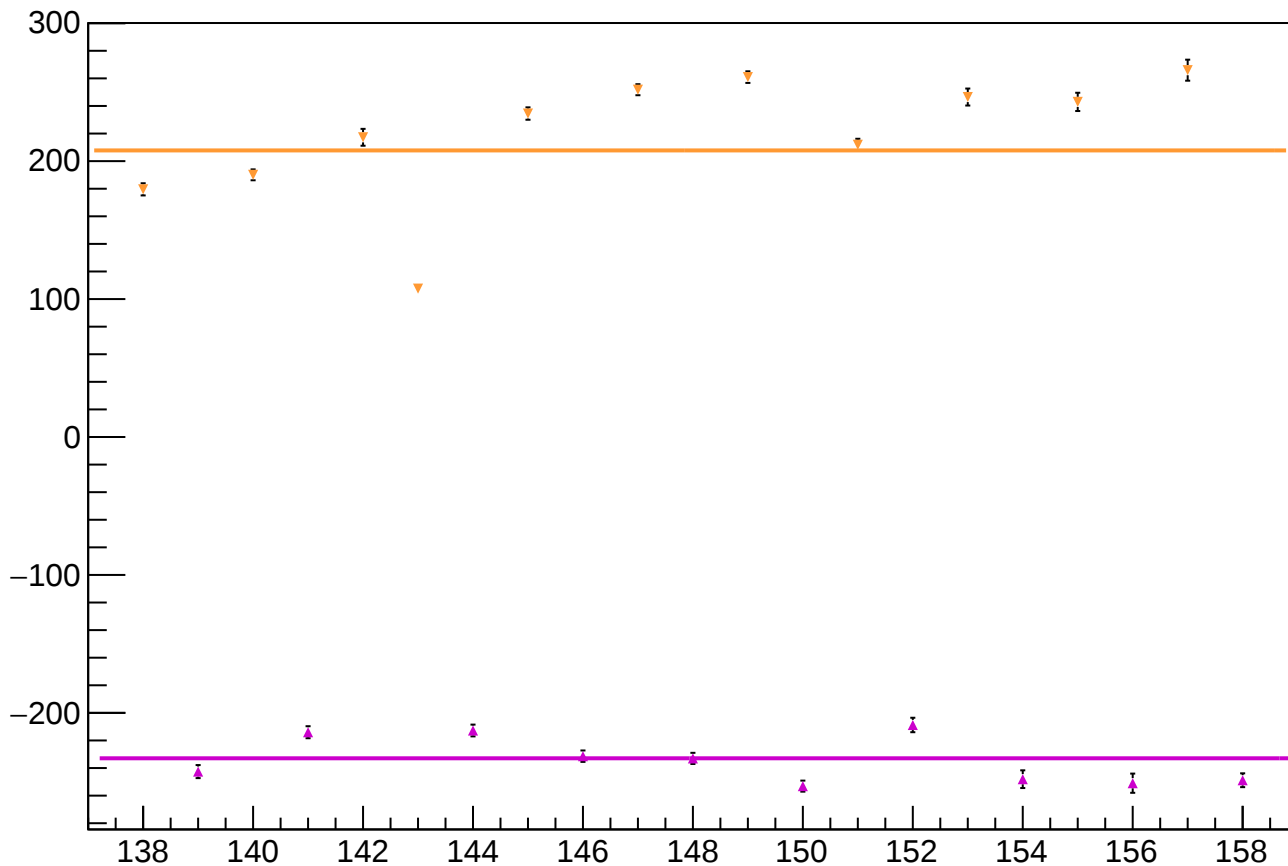
Left In: -142.410+/-0.065 χ^2/NDF : 13477.4/9

113.996+/-0.049 χ^2/NDF : 725292.2/27

-5.963+/-0.034 χ^2/NDF : 12729285.7/57

-116.094+/-0.047 χ^2/NDF : 576934.4/29

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 207.768±/-1.404 χ^2/NDF :1287.5/10

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

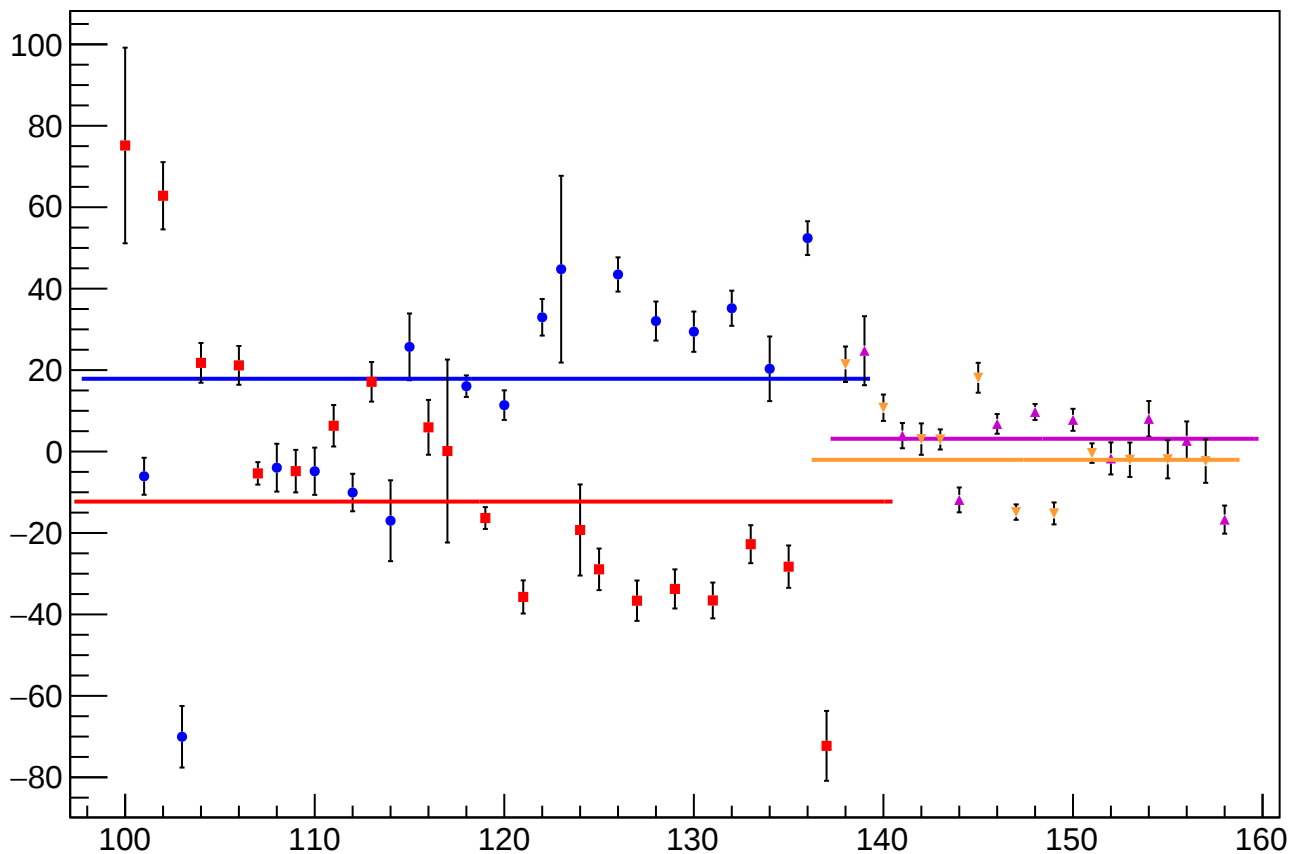
Left In: -232.932±/-1.482 χ^2/NDF :114.4/9

207.768±/-1.404 χ^2/NDF : 1287.5/10

-0.606±/-1.019 χ^2/NDF : 48015.6/20

-232.932±/-1.482 χ^2/NDF : 114.4/9

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.872+/-1.166 χ^2/NDF : 395.3/16

Left Out: -2.030+/-0.921 χ^2/NDF : 151.0/10

Right Out: -12.288+/-1.082 χ^2/NDF : 444.4/19

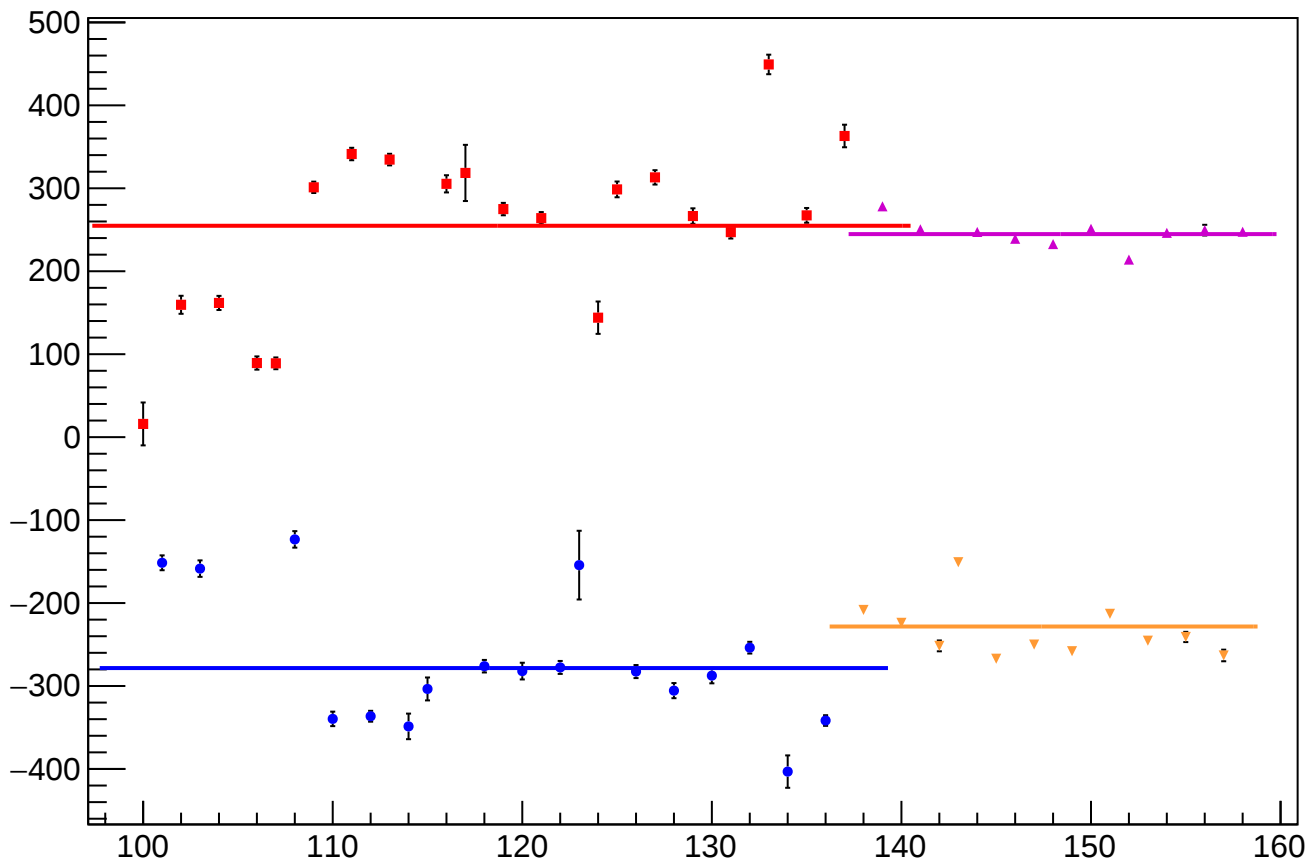
Left In: 3.139+/-0.980 χ^2/NDF : 83.3/9

5.614+/-0.723 χ^2/NDF : 725.9/27

0.925+/-0.512 χ^2/NDF : 1449.8/57

-3.817+/-0.727 χ^2/NDF : 639.3/29

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

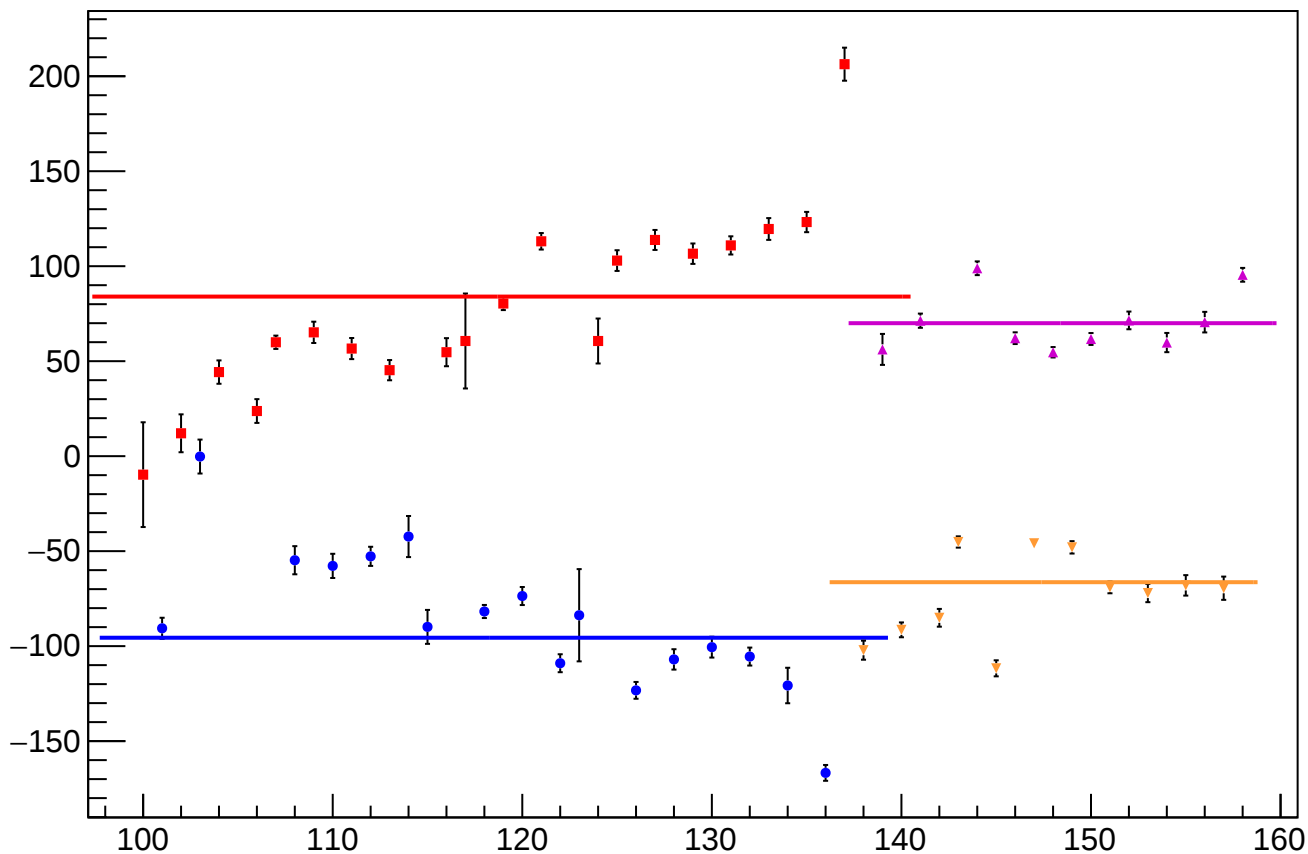
Left In: 244.780 $\pm$ 1.449 χ^2/NDF : 98.1/9

-242.925 $\pm$ 1.181 χ^2/NDF : 1933.6/27

3.468 $\pm$ 0.834 χ^2/NDF : 90873.7/57

248.204 $\pm$ 1.177 χ^2/NDF : 2155.5/29

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -95.576+/-1.340 χ^2/NDF : 671.2/16

Left Out: -66.344+/-1.141 χ^2/NDF : 370.1/10

Right Out: 84.003+/-1.255 χ^2/NDF : 784.1/19

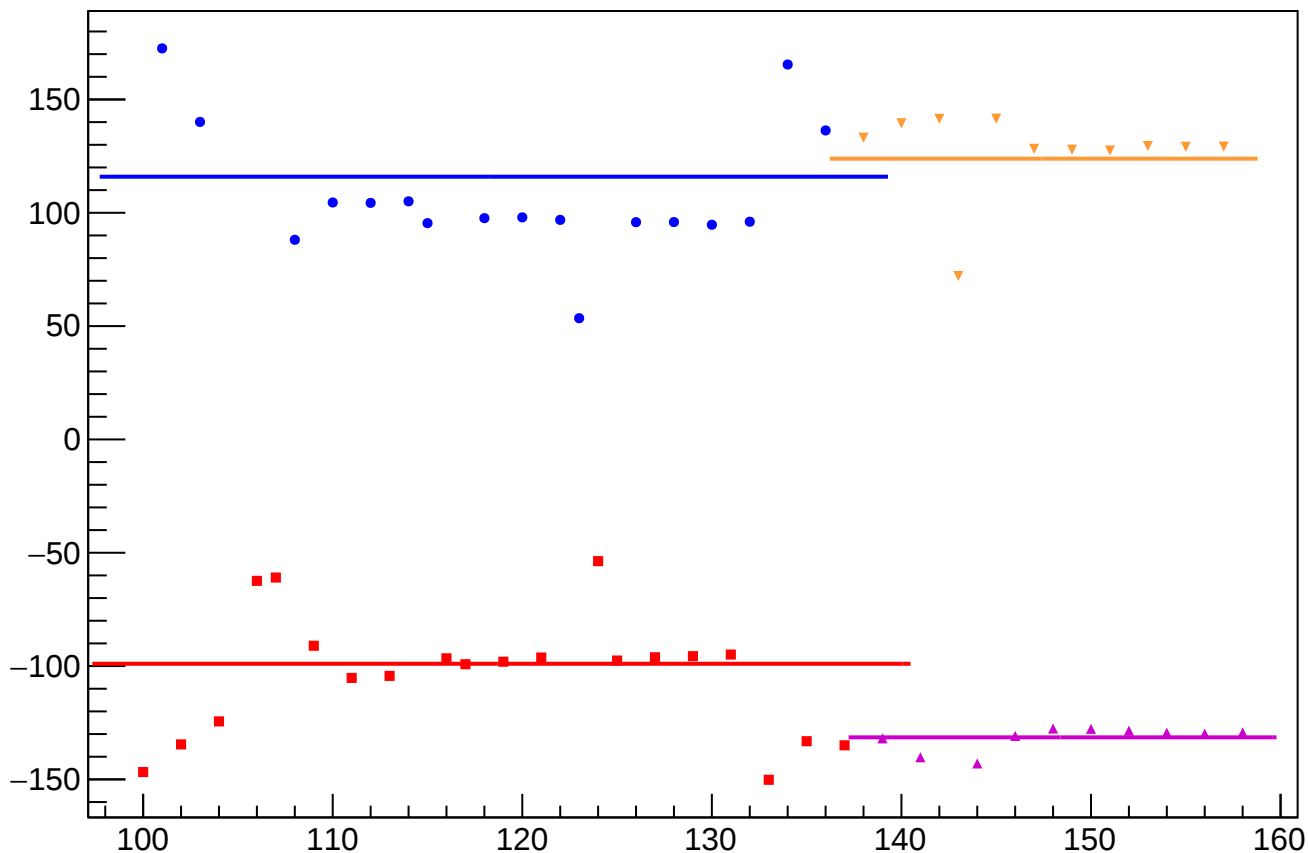
Left In: 69.998+/-1.197 χ^2/NDF : 165.0/9

-78.621+/-0.869 χ^2/NDF : 1317.2/27

-0.747+/-0.613 χ^2/NDF : 18356.5/57

76.667+/-0.866 χ^2/NDF : 1014.3/29

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 115.927 ± 0.078 χ^2/NDF : 105791.4/16

Left Out: 123.880 ± 0.057 χ^2/NDF : 140244.8/10

Right Out: -98.982 ± 0.068 χ^2/NDF : 172974.2/19

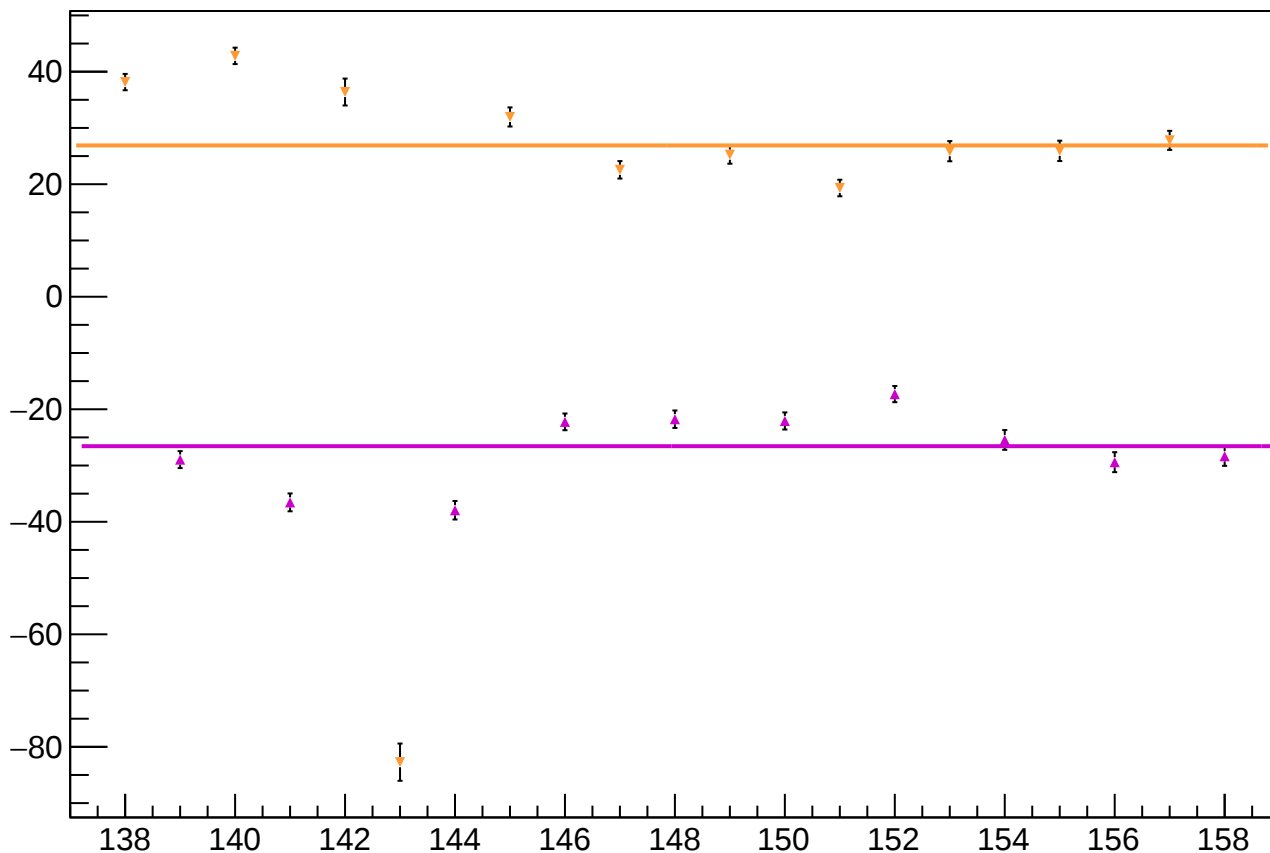
Left In: -131.454 ± 0.058 χ^2/NDF : 7210.4/9

121.105 ± 0.046 χ^2/NDF : 252731.7/27

-3.884 ± 0.032 χ^2/NDF : 14484674.2/57

-117.900 ± 0.044 χ^2/NDF : 311172.0/29

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 26.891 $\pm$ 0.514 χ^2 /NDF:1336.4/10

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

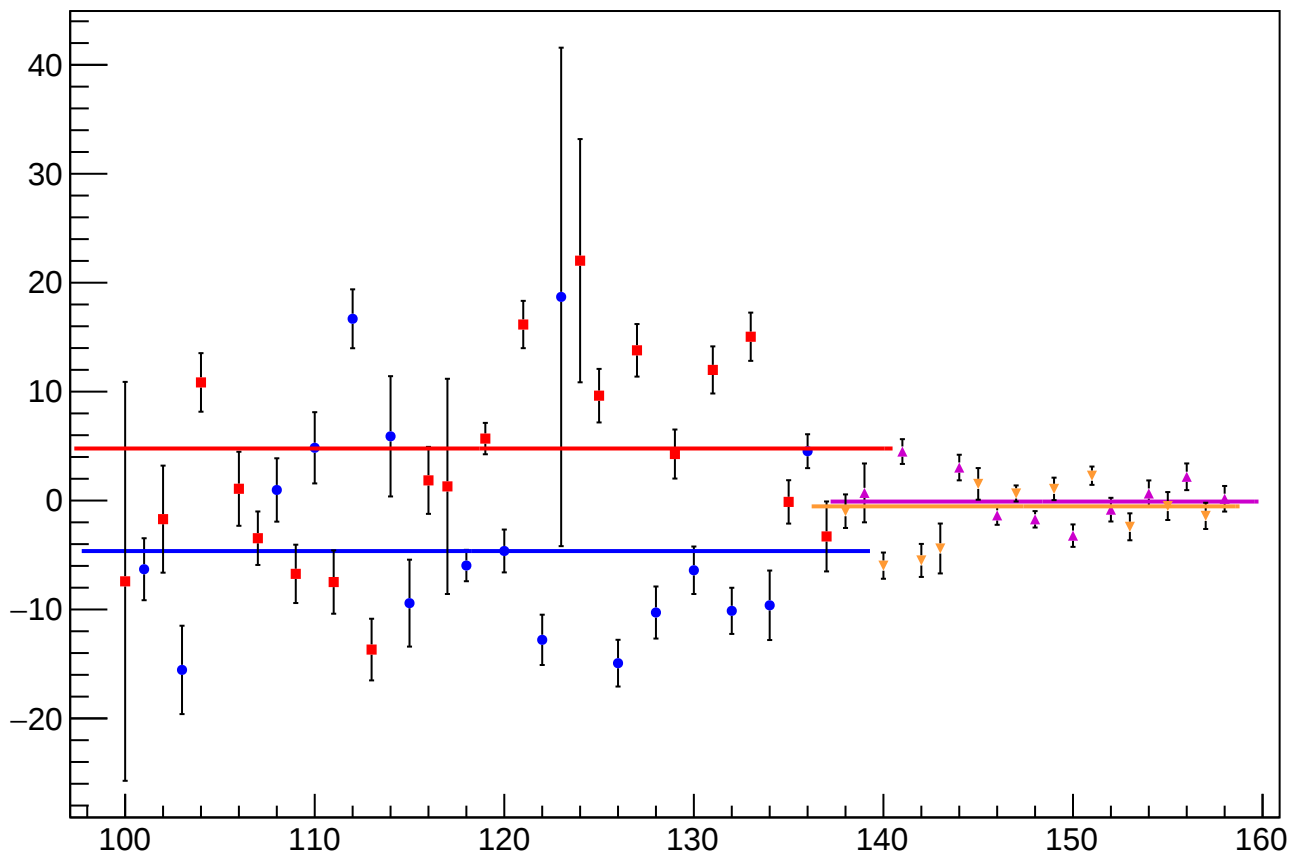
Left In: -26.564 $\pm$ 0.501 χ^2 /NDF:162.4/9

26.891 $\pm$ 0.514 χ^2 /NDF: 1336.4/10

-0.481 $\pm$ 0.359 χ^2 /NDF: 7045.9/20

-26.564 $\pm$ 0.501 χ^2 /NDF: 162.4/9

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.637 ± 0.588 $\chi^2/\text{NDF}: 174.4/16$

Left Out: -0.534 ± 0.346 $\chi^2/\text{NDF}: 55.2/10$

Right Out: 4.779 ± 0.583 $\chi^2/\text{NDF}: 192.7/19$

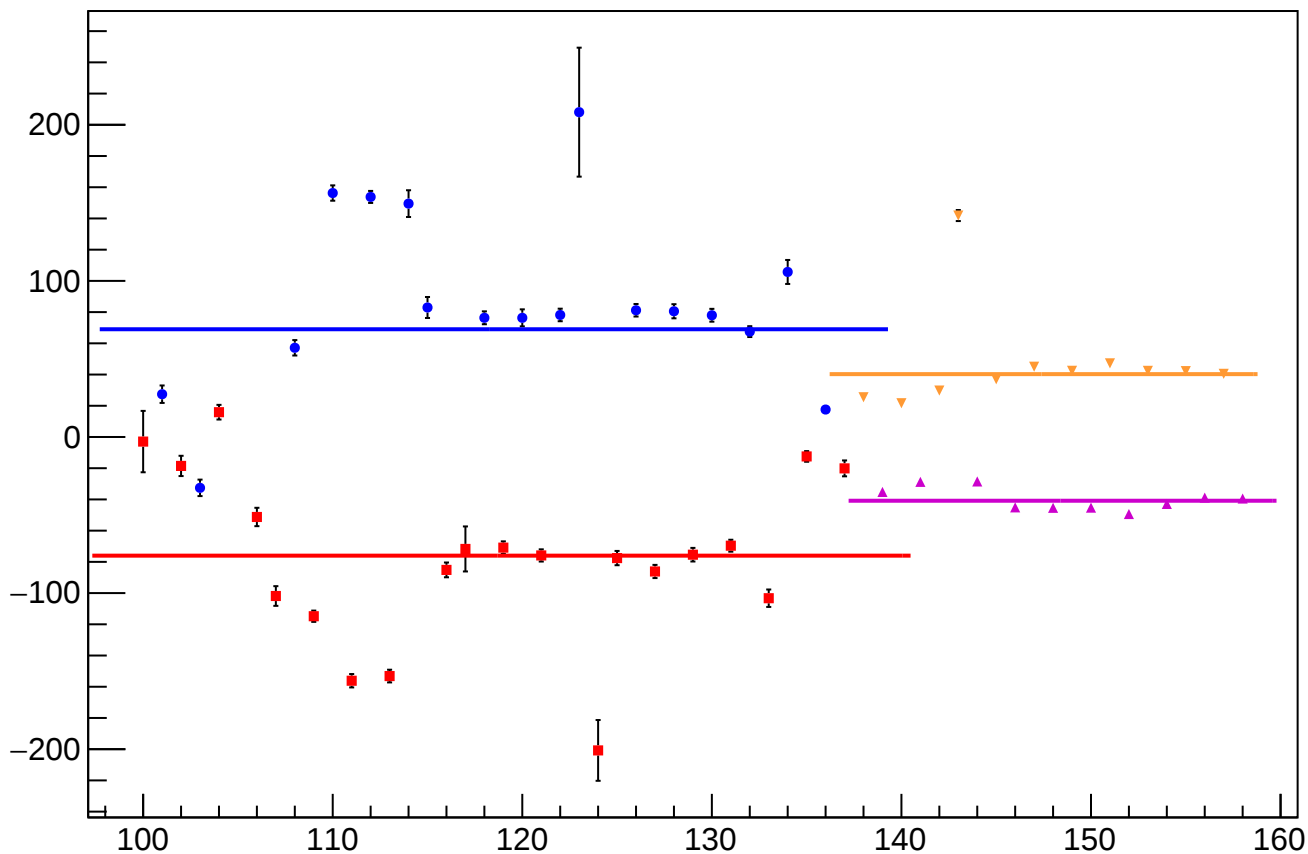
Left In: -0.093 ± 0.341 $\chi^2/\text{NDF}: 43.8/9$

-1.590 ± 0.298 $\chi^2/\text{NDF}: 265.8/27$

-0.204 ± 0.209 $\chi^2/\text{NDF}: 596.9/57$

1.148 ± 0.294 $\chi^2/\text{NDF}: 288.4/29$

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

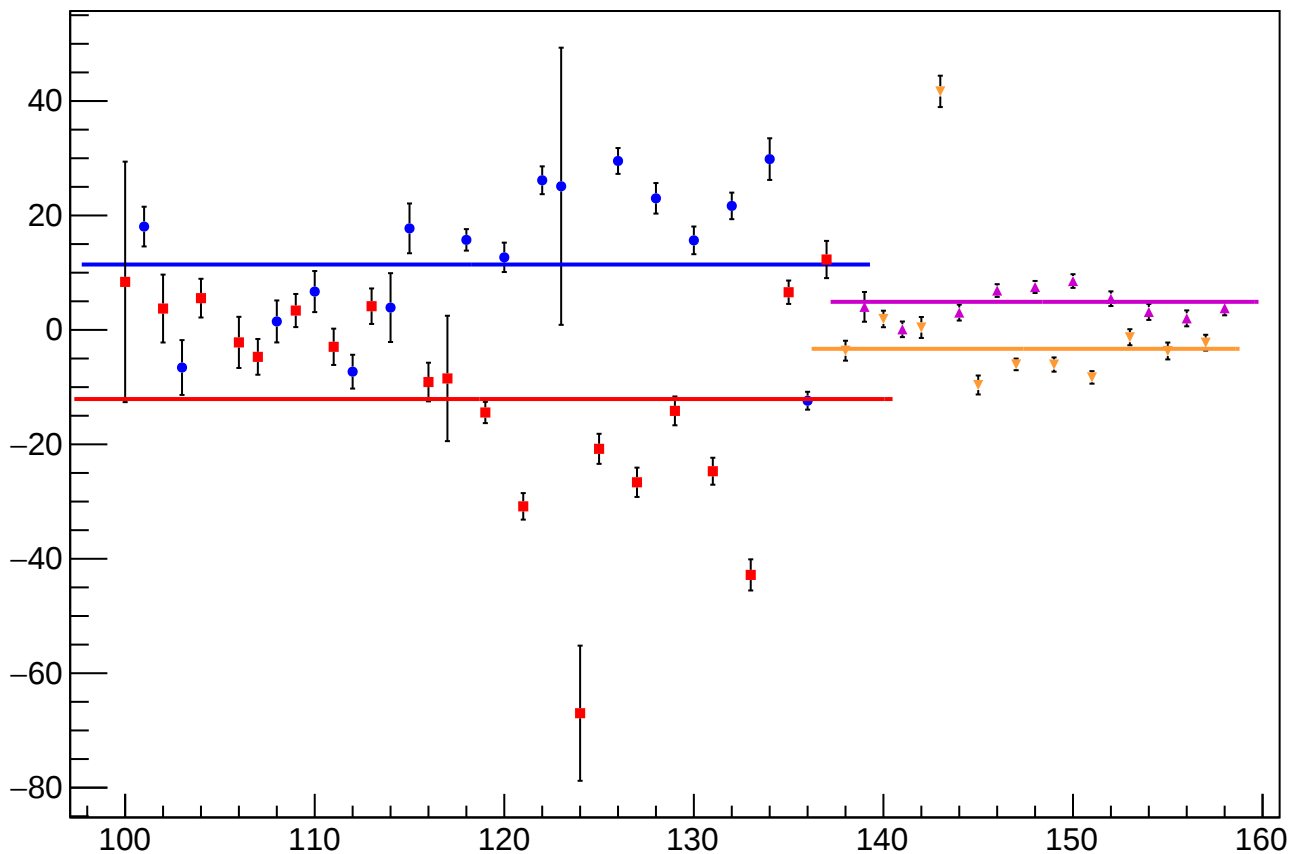
Left In: -40.839+/-0.489 χ^2/NDF : 183.1/9

45.402+/-0.458 χ^2/NDF : 3545.6/27

-2.159+/-0.319 χ^2/NDF : 27461.6/57

-46.938+/-0.444 χ^2/NDF : 2963.7/29

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.428 ± 0.665 χ^2/NDF : 476.8/16

Left Out: -3.303 ± 0.424 χ^2/NDF : 336.5/10

Right Out: -12.082 ± 0.663 χ^2/NDF : 539.2/19

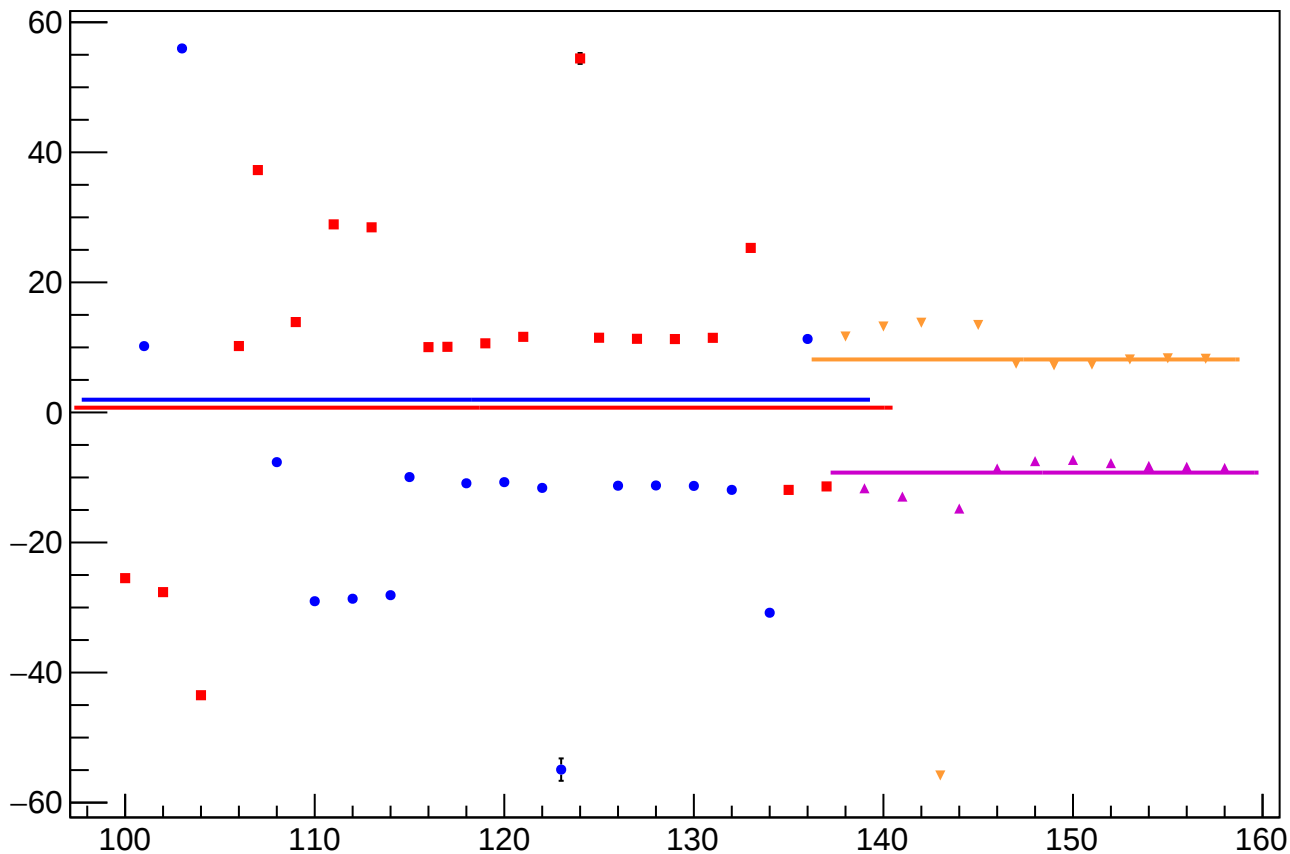
Left In: 4.906 ± 0.411 χ^2/NDF : 39.7/9

0.956 ± 0.358 χ^2/NDF : 1161.6/27

0.559 ± 0.250 χ^2/NDF : 2217.2/57

0.179 ± 0.350 χ^2/NDF : 1053.2/29

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

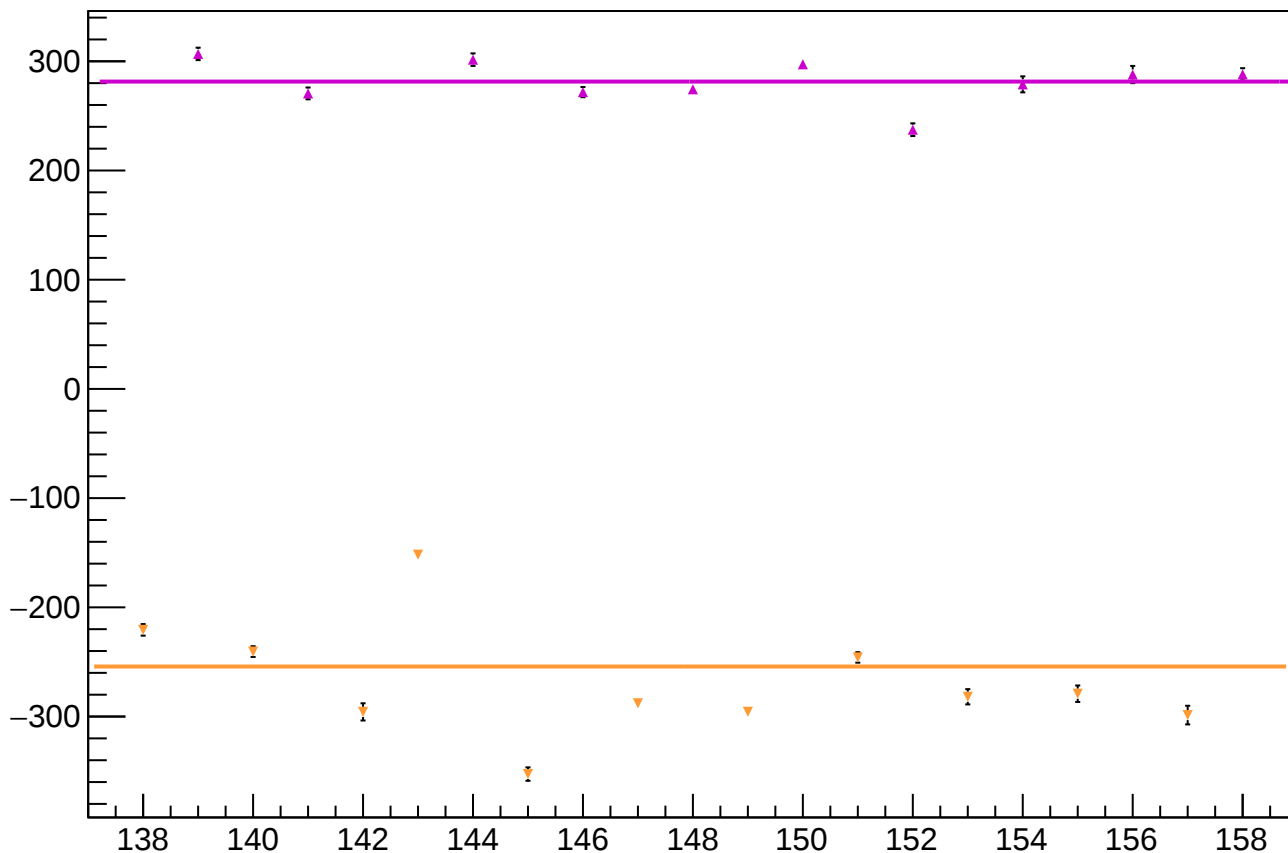
Left In: -9.252 ± 0.019 χ^2/NDF : 13283.3/9

6.757 ± 0.018 χ^2/NDF : 602407.2/27

-0.452 ± 0.012 χ^2/NDF : 1357923.0/57

-7.156 ± 0.017 χ^2/NDF : 432001.7/29

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -254.202+/-1.631 χ^2/NDF : 1186.5/10

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

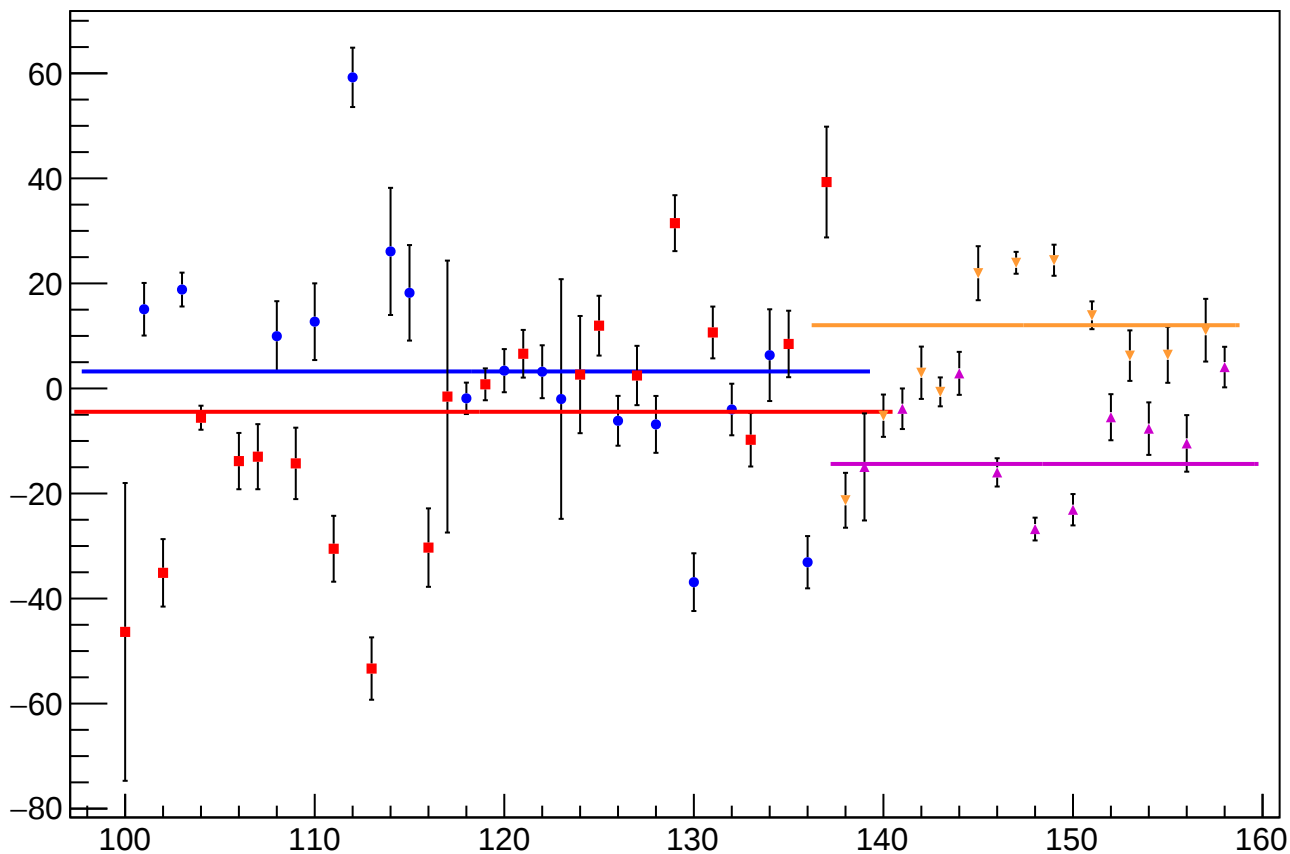
Left In: 281.423+/-1.721 χ^2/NDF : 115.1/9

-254.202+/-1.631 χ^2/NDF : 1186.5/10

-0.690+/-1.184 χ^2/NDF : 52325.8/20

281.423+/-1.721 χ^2/NDF : 115.1/9

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.237 ± 1.244 $\chi^2/\text{NDF}: 255.3/16$

Left Out: 12.041 ± 1.053 $\chi^2/\text{NDF}: 140.4/10$

Right Out: -4.444 ± 1.156 $\chi^2/\text{NDF}: 225.8/19$

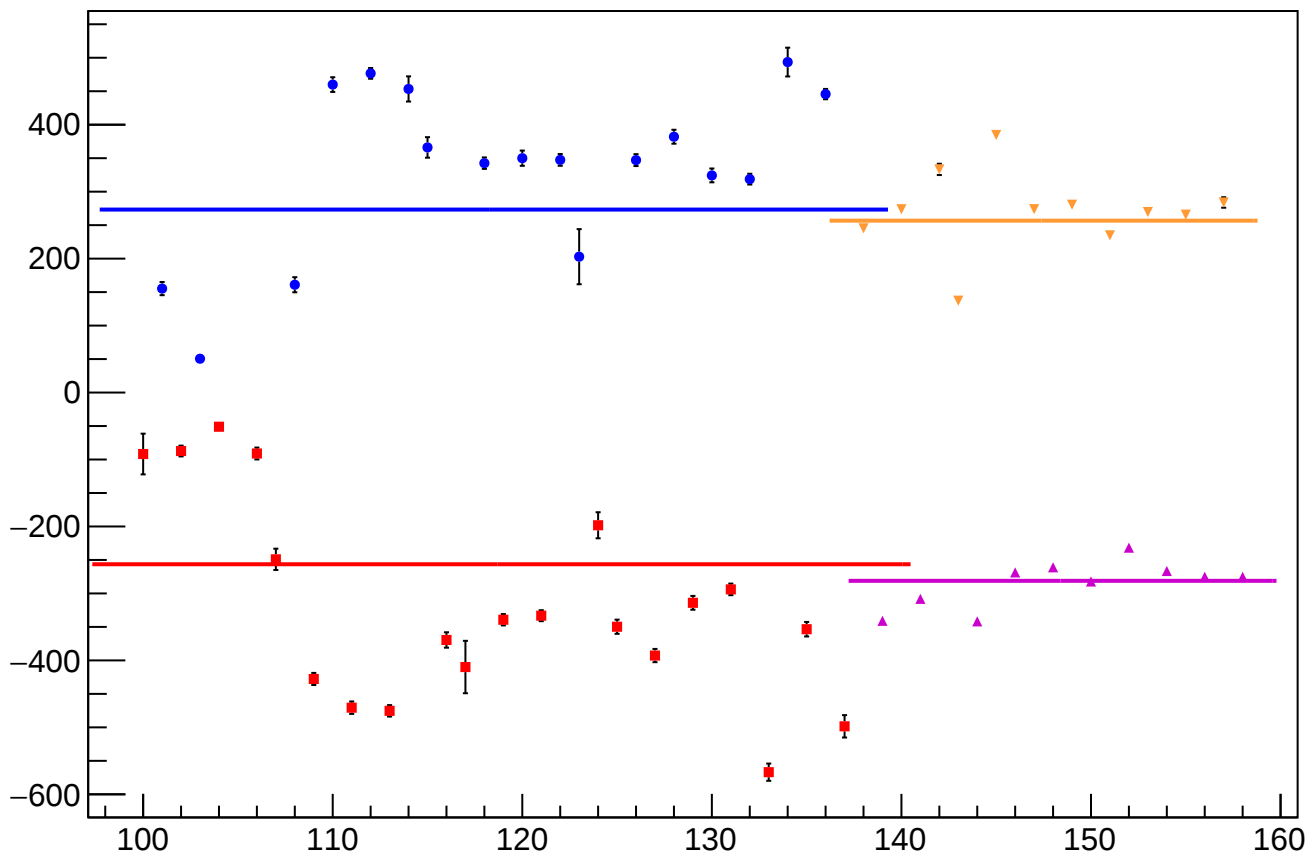
Left In: -14.374 ± 1.123 $\chi^2/\text{NDF}: 95.9/9$

8.366 ± 0.804 $\chi^2/\text{NDF}: 424.9/27$

-0.569 ± 0.569 $\chi^2/\text{NDF}: 1032.5/57$

-9.551 ± 0.806 $\chi^2/\text{NDF}: 359.7/29$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 273.276 $\pm$ 2.205 χ^2 /NDF: 5101.5/16

Left Out: 256.723 $\pm$ 1.621 χ^2 /NDF:1365.6/10

Right Out: -256.418 $\pm$ 2.077 χ^2 /NDF: 6453.9/19

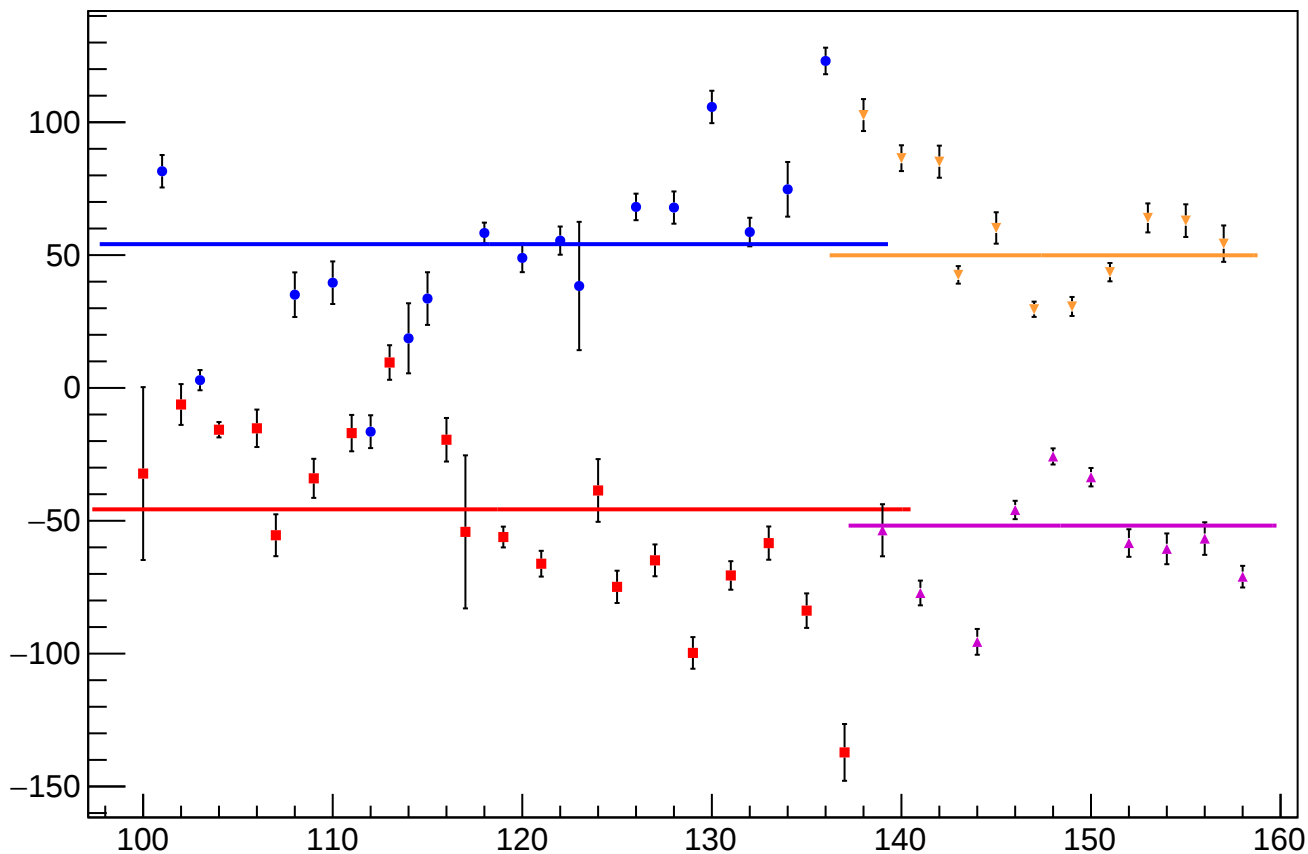
Left In: -281.177 $\pm$ 1.672 χ^2 /NDF:328.7/9

262.531 $\pm$ 1.306 χ^2 /NDF: 6503.7/27

-5.185 $\pm$ 0.922 χ^2 /NDF: 97195.8/57

-271.441 $\pm$ 1.302 χ^2 /NDF: 6868.9/29

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

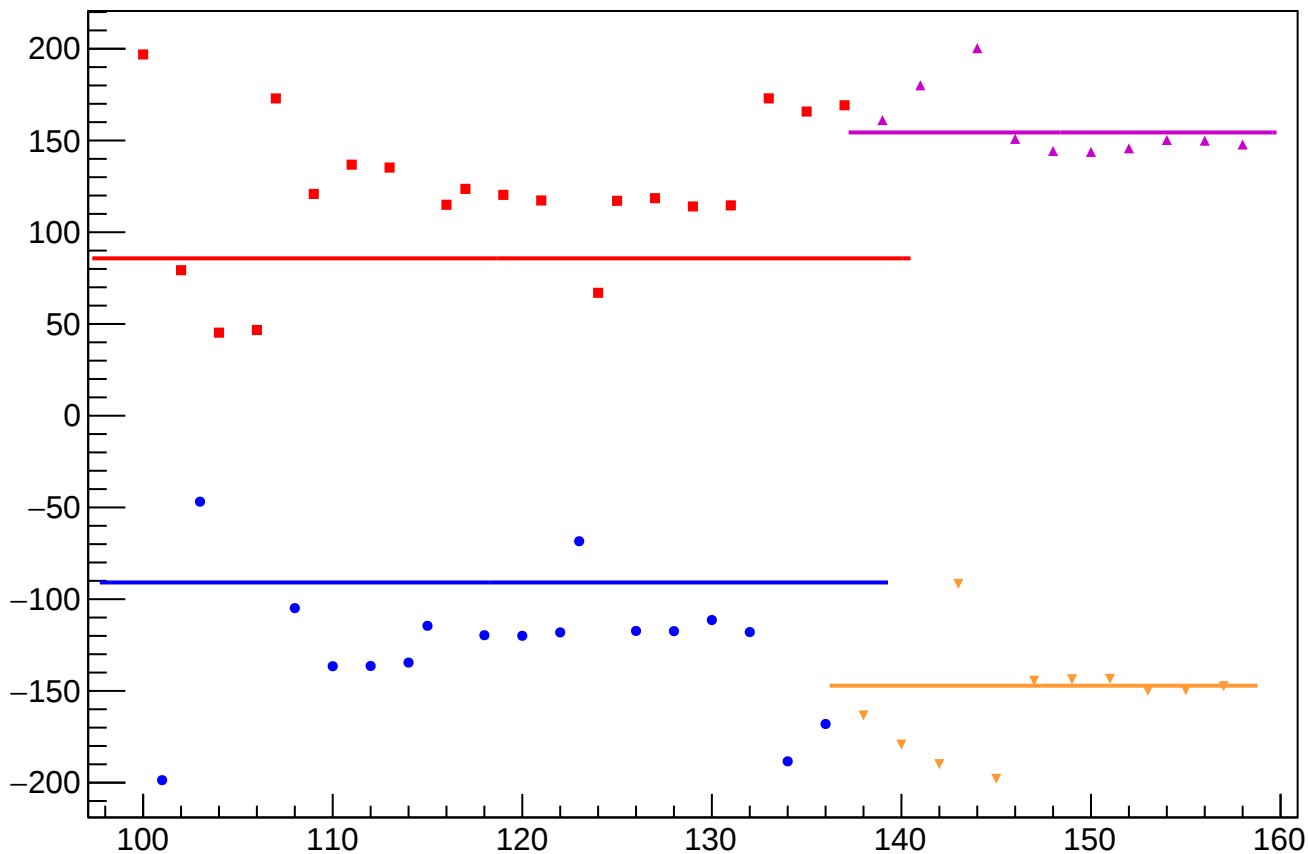
Left In: -51.817+/-1.375 χ^2/NDF : 241.7/9

51.827+/-0.968 χ^2/NDF : 908.1/27

1.407+/-0.684 χ^2/NDF : 7096.7/57

-48.711+/-0.965 χ^2/NDF : 782.9/29

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -90.881 ± 0.068 $\chi^2/\text{NDF}: 533423.8/16$

Left Out: -147.153 ± 0.066 $\chi^2/\text{NDF}: 186771.5/10$

Right Out: 85.772 ± 0.065 $\chi^2/\text{NDF}: 494629.5/19$

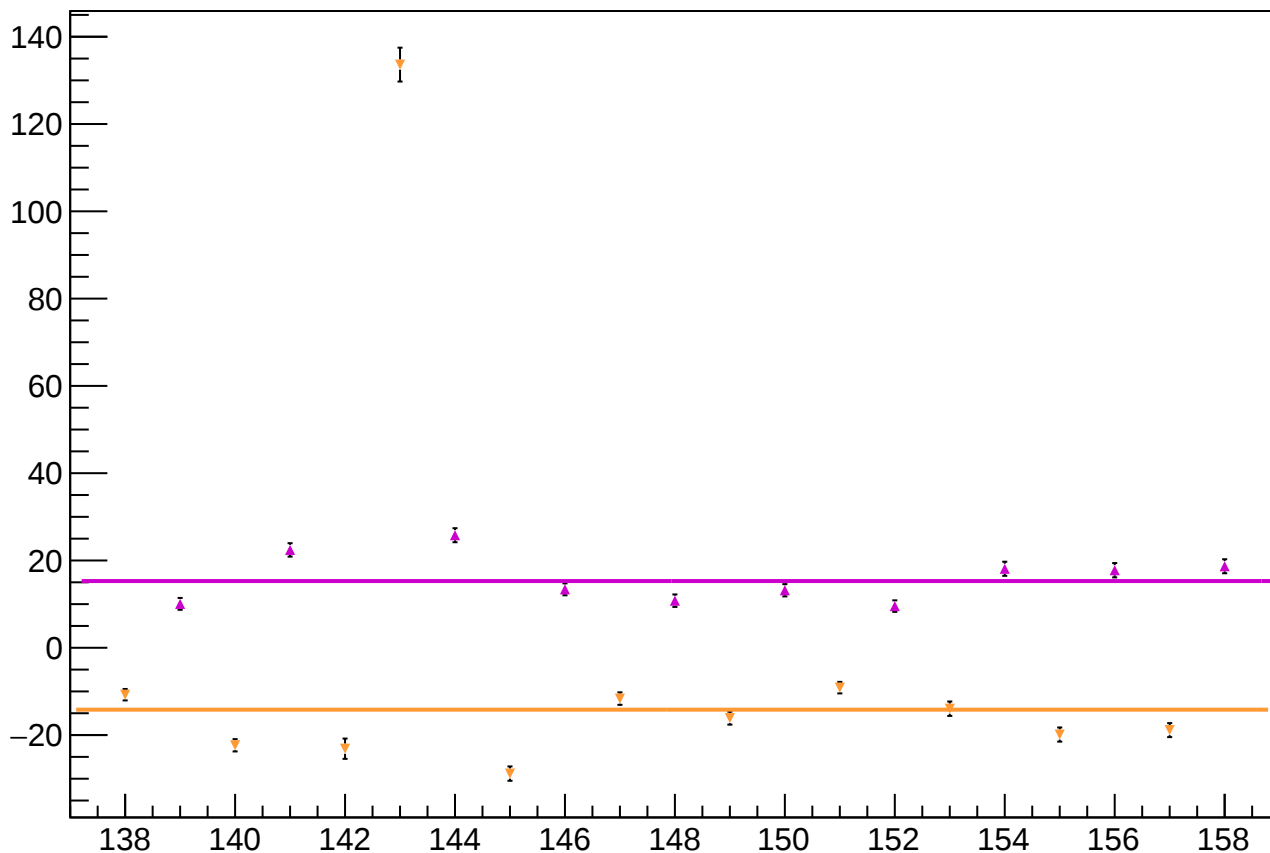
Left In: 154.387 ± 0.067 $\chi^2/\text{NDF}: 52597.8/9$

-119.553 ± 0.047 $\chi^2/\text{NDF}: 1071658.7/27$

1.913 ± 0.033 $\chi^2/\text{NDF}: 15036320.8/57$

119.126 ± 0.047 $\chi^2/\text{NDF}: 1088531.8/29$

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -14.180+/-0.480 χ^2/NDF :1624.5/10

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

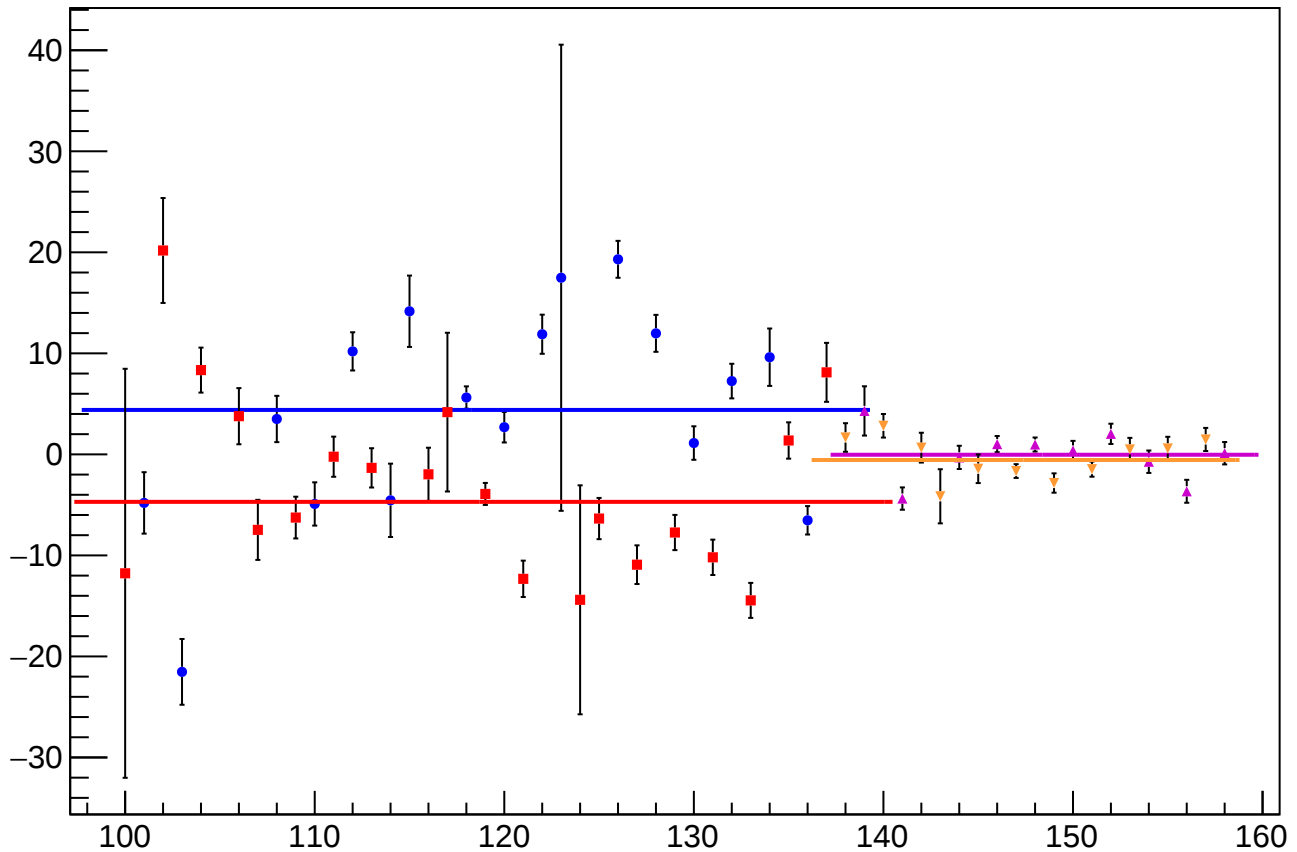
Left In: 15.288+/-0.467 χ^2/NDF :121.6/9

-14.180+/-0.480 χ^2/NDF : 1624.5/10

0.948+/-0.335 χ^2/NDF : 3683.5/20

15.288+/-0.467 χ^2/NDF : 121.6/9

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

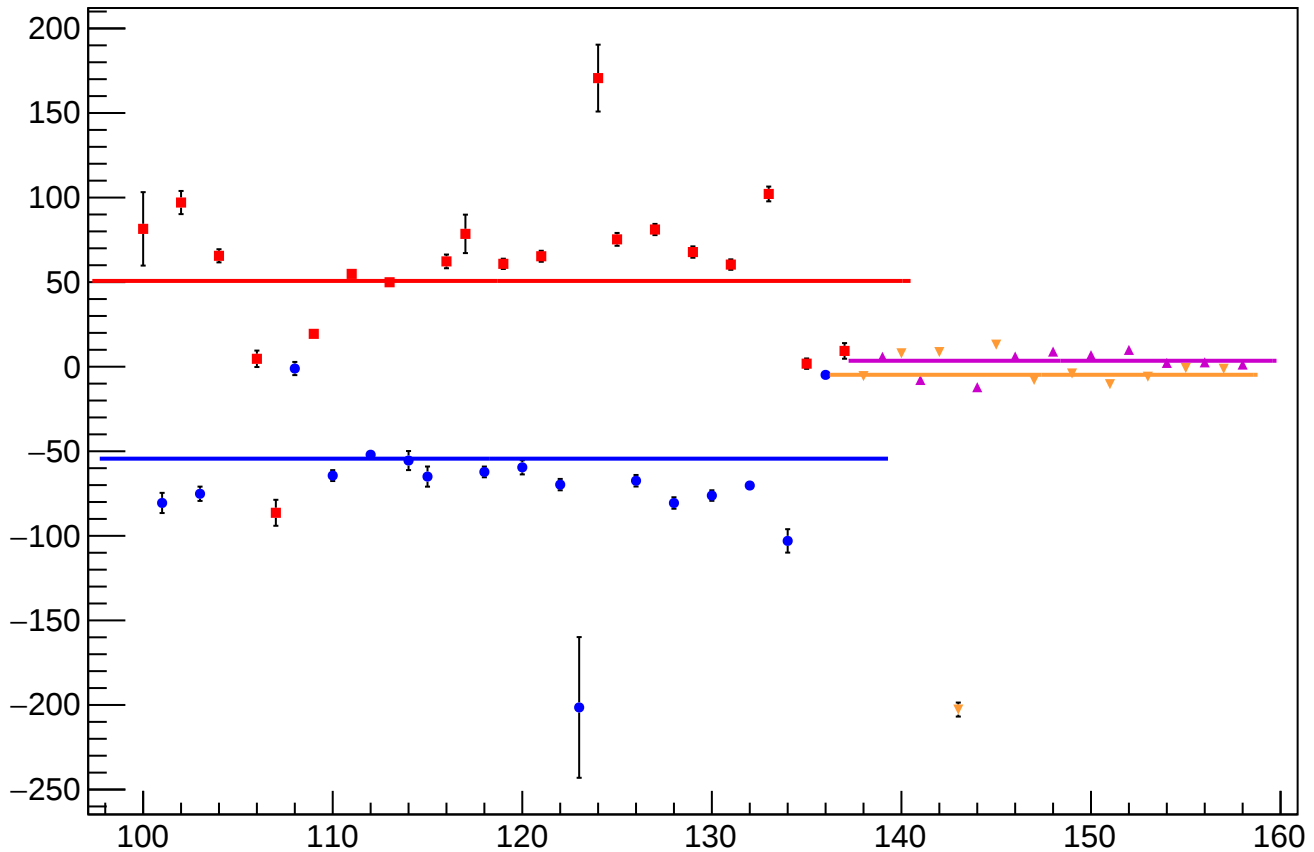
Left In: -0.038 ± 0.318 χ^2/NDF : 37.5/9

1.021 ± 0.266 χ^2/NDF : 390.7/27

-0.245 ± 0.187 χ^2/NDF : 724.5/57

-1.494 ± 0.264 χ^2/NDF : 288.7/29

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -54.365 ± 0.868 χ^2/NDF : 1013.5/16

Left Out: -4.780 ± 0.471 χ^2/NDF : 2529.7/10

Right Out: 50.712 ± 0.855 χ^2/NDF : 1327.3/19

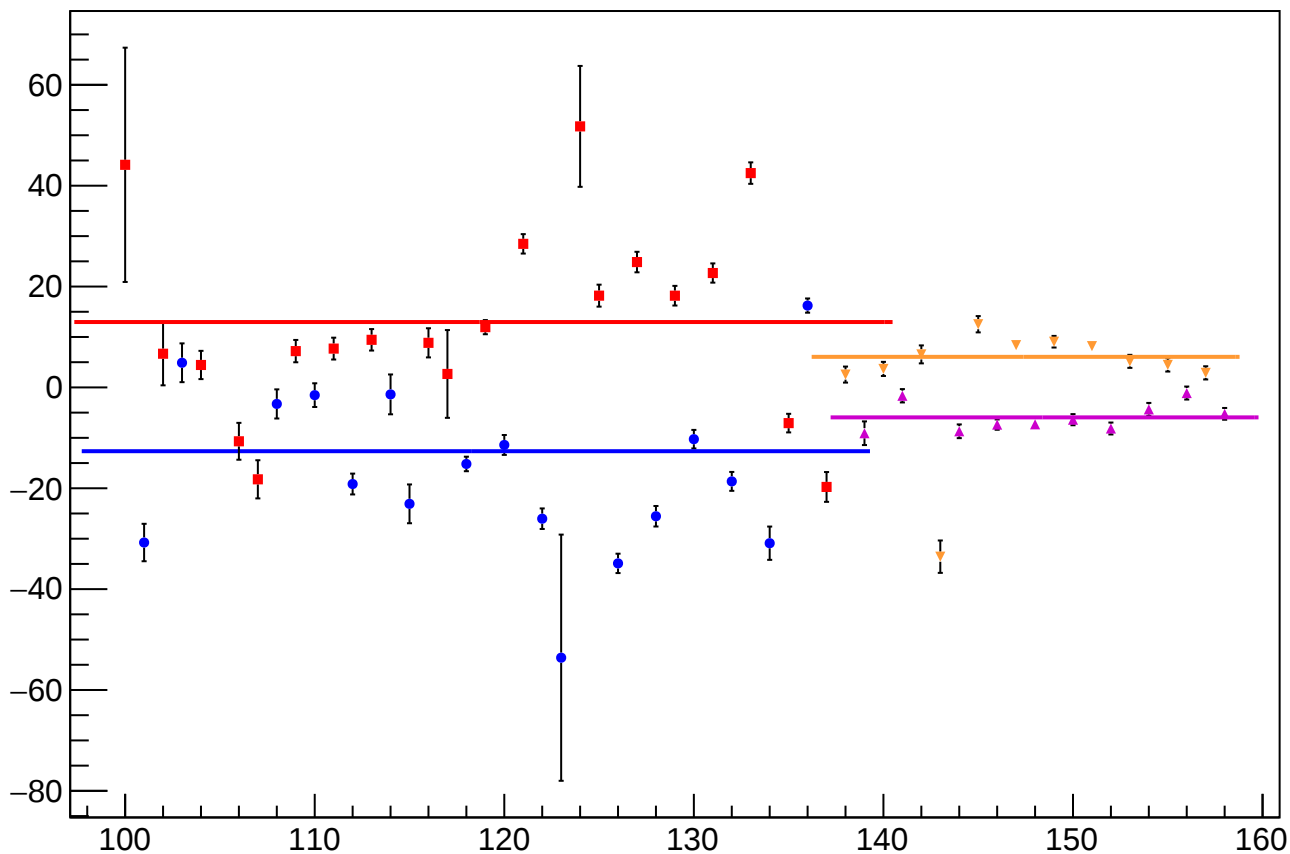
Left In: 3.508 ± 0.455 χ^2/NDF : 188.6/9

-16.047 ± 0.414 χ^2/NDF : 6063.6/27

-0.611 ± 0.288 χ^2/NDF : 12655.1/57

13.915 ± 0.401 χ^2/NDF : 3891.5/29

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.648 ± 0.536 χ^2/NDF : 788.4/16

Left Out: 6.061 ± 0.396 χ^2/NDF : 201.6/10

Right Out: 12.965 ± 0.536 χ^2/NDF : 722.8/19

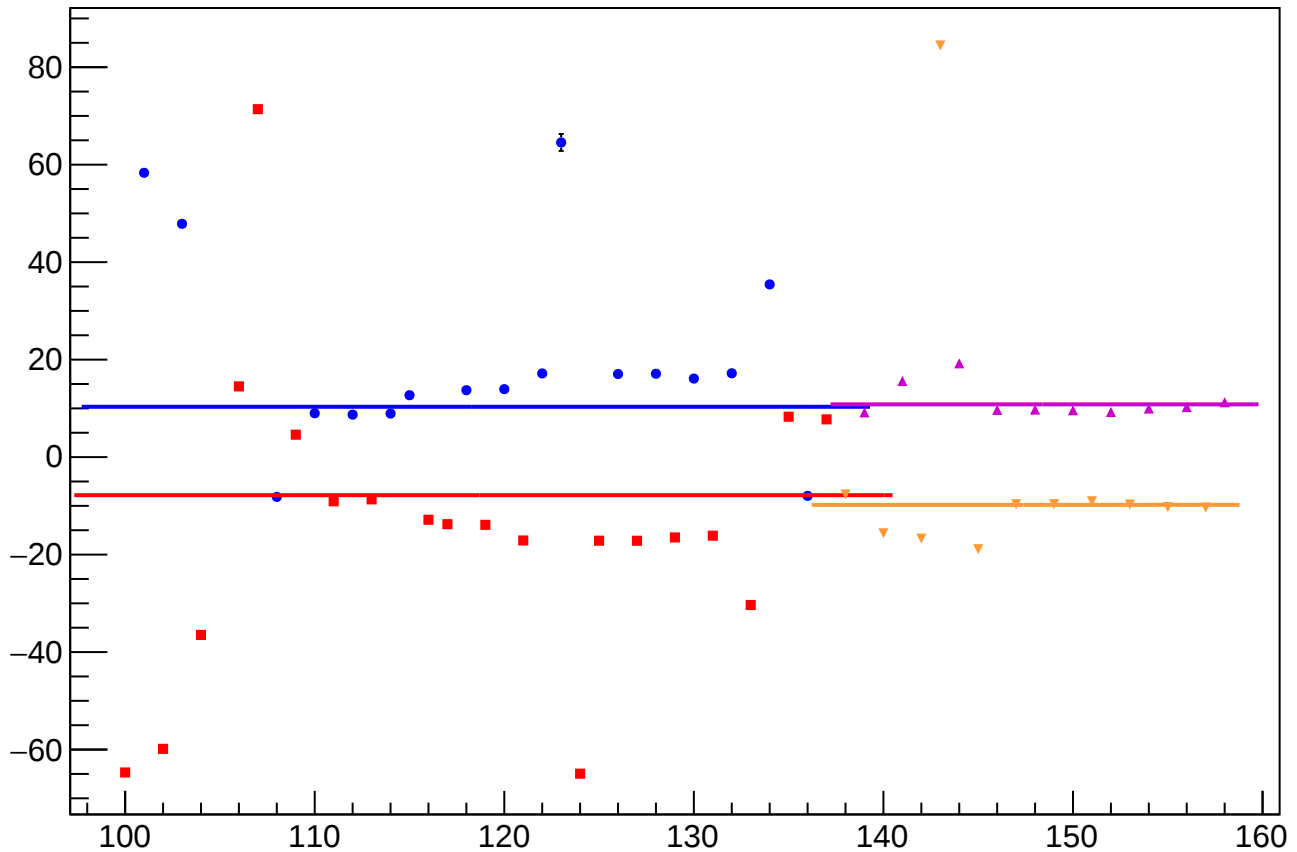
Left In: -5.942 ± 0.384 χ^2/NDF : 39.9/9

-0.532 ± 0.318 χ^2/NDF : 1778.2/27

-0.024 ± 0.223 χ^2/NDF : 3367.0/57

0.465 ± 0.312 χ^2/NDF : 1583.8/29

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.330 ± 0.031 χ^2/NDF : 380857.1/16

Left Out: -9.795 ± 0.019 χ^2/NDF : 354698.3/10

Right Out: -7.808 ± 0.031 χ^2/NDF : 544249.7/19

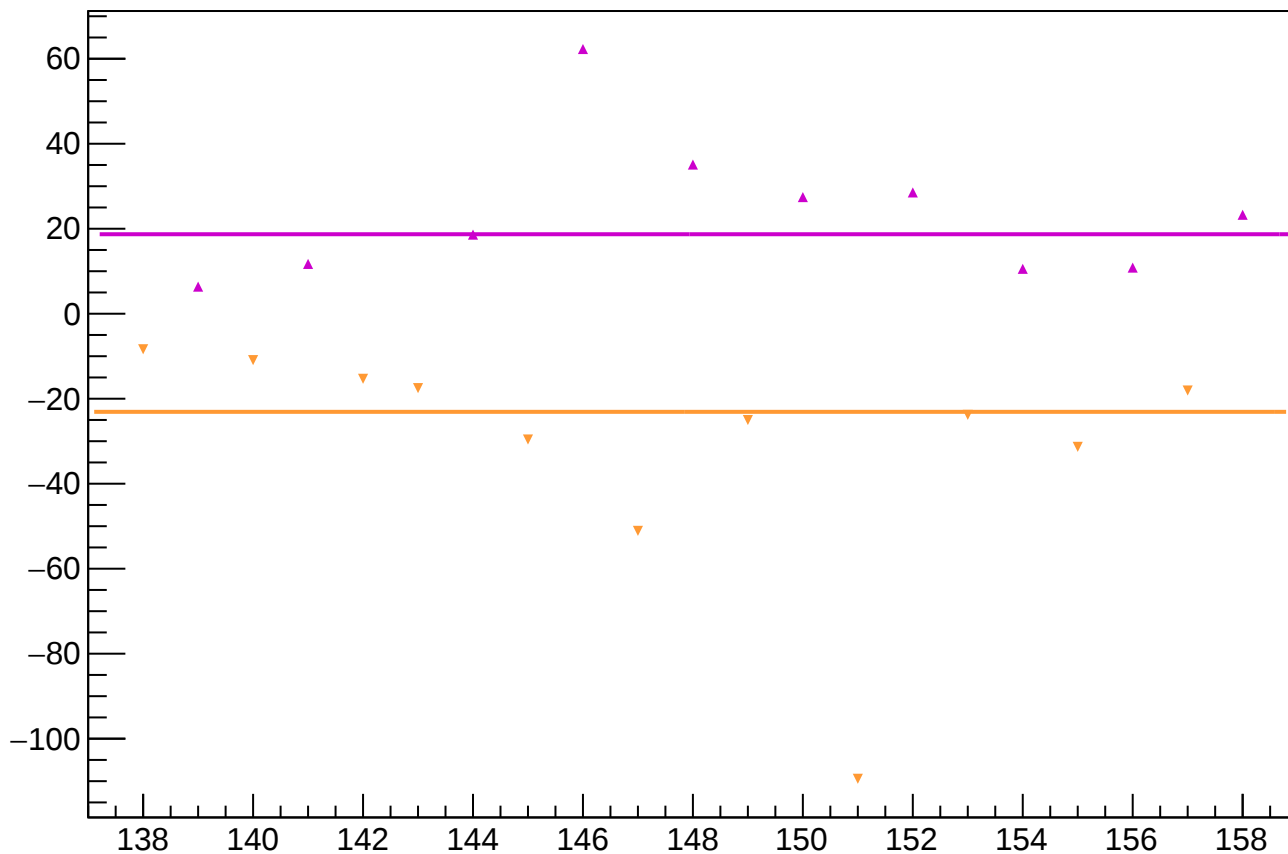
Left In: 10.825 ± 0.018 χ^2/NDF : 21382.9/9

-4.374 ± 0.016 χ^2/NDF : 1050027.2/27

1.115 ± 0.011 χ^2/NDF : 2115136.9/57

6.277 ± 0.015 χ^2/NDF : 834391.6/29

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -23.087+/-0.081 χ^2/NDF : 50366.3/10

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

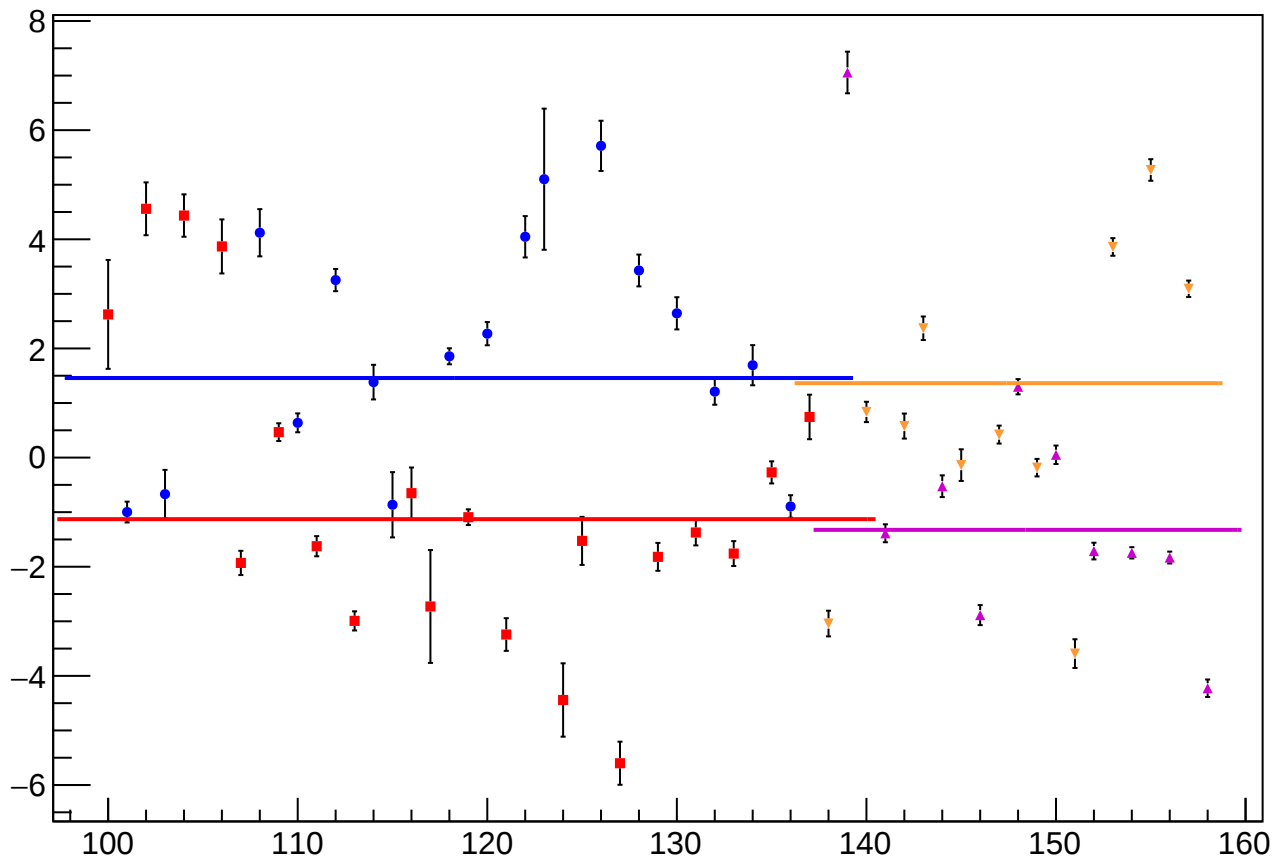
Left In: 18.704+/-0.068 χ^2/NDF : 35750.0/9

-23.087+/-0.081 χ^2/NDF : 50366.3/10

1.264+/-0.052 χ^2/NDF : 241538.6/20

18.704+/-0.068 χ^2/NDF : 35750.0/9

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.458 ± 0.062 χ^2/NDF : 698.2/16

Left Out: 1.363 ± 0.058 χ^2/NDF : 1659.9/10

Right Out: -1.128 ± 0.058 χ^2/NDF : 949.8/19

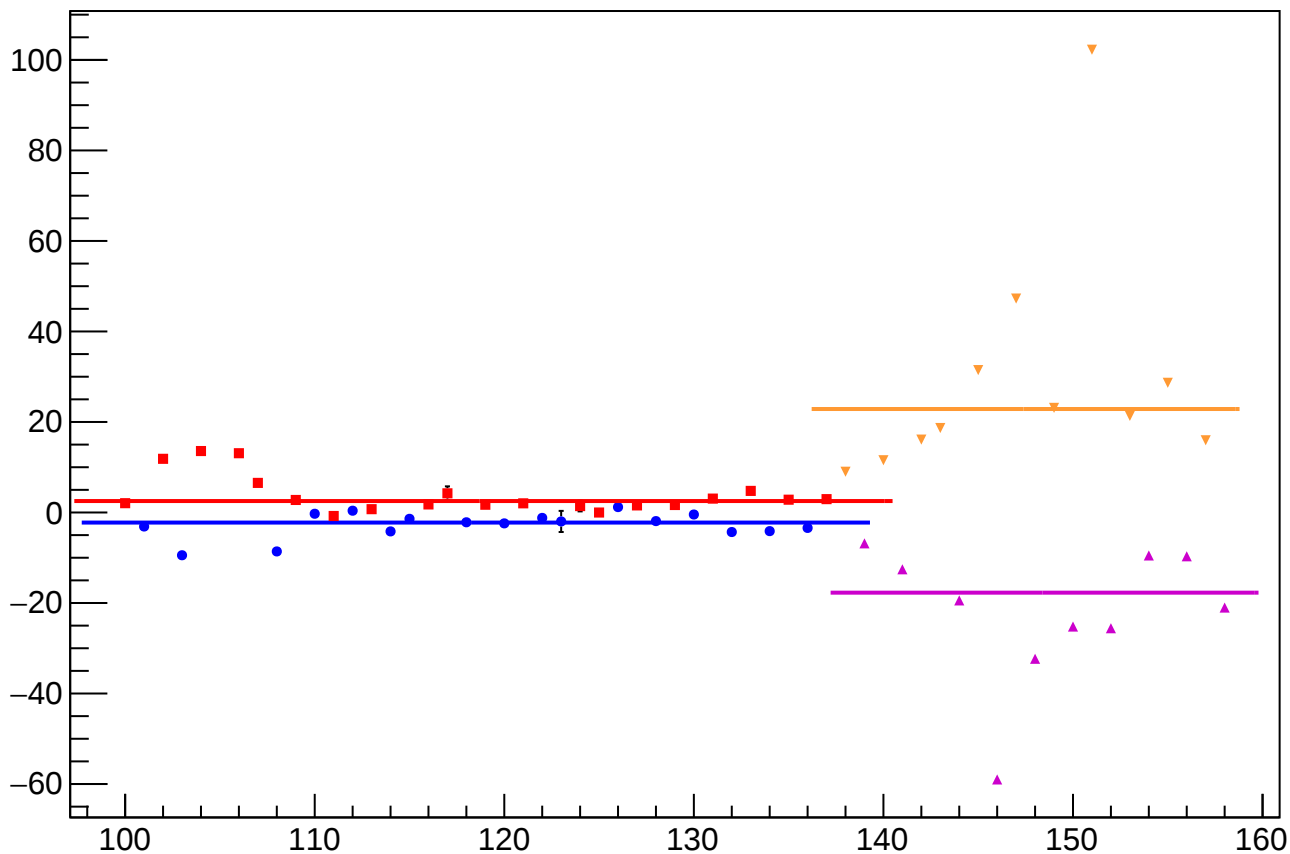
Left In: -1.324 ± 0.047 χ^2/NDF : 1362.0/9

1.408 ± 0.042 χ^2/NDF : 2359.3/27

-0.106 ± 0.028 χ^2/NDF : 6919.1/57

-1.246 ± 0.037 χ^2/NDF : 2318.6/29

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.228 ± 0.111 $\chi^2/\text{NDF}: 460.4/16$

Left Out: 22.864 ± 0.080 $\chi^2/\text{NDF}: 45476.2/10$

Right Out: 2.527 ± 0.099 $\chi^2/\text{NDF}: 905.2/19$

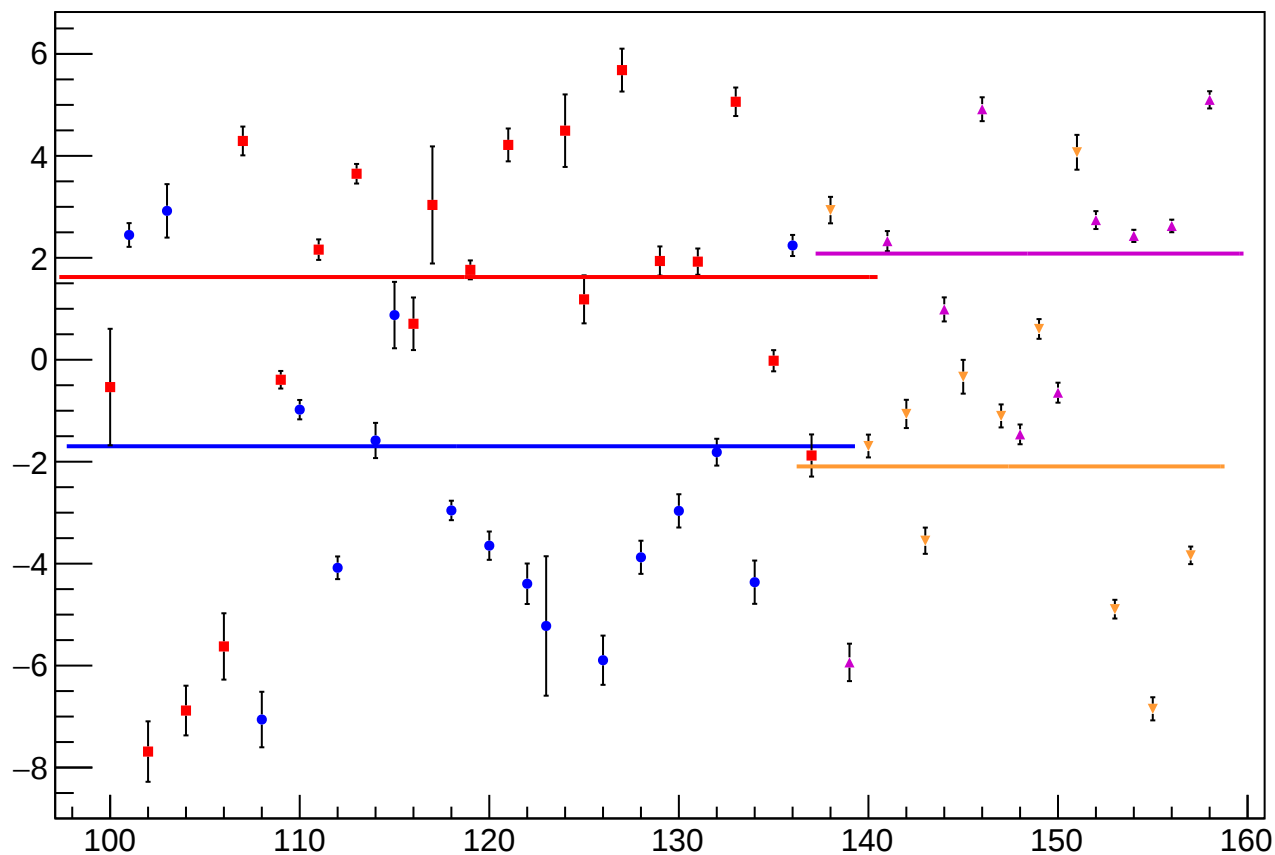
Left In: -17.717 ± 0.066 $\chi^2/\text{NDF}: 33712.9/9$

14.324 ± 0.065 $\chi^2/\text{NDF}: 79482.5/27$

-0.751 ± 0.042 $\chi^2/\text{NDF}: 235519.8/57$

-11.488 ± 0.055 $\chi^2/\text{NDF}: 63700.3/29$

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.697 ± 0.071 χ^2/NDF : 1319.4/16

Left Out: -2.093 ± 0.069 χ^2/NDF : 1765.6/10

Right Out: 1.623 ± 0.066 χ^2/NDF : 1490.8/19

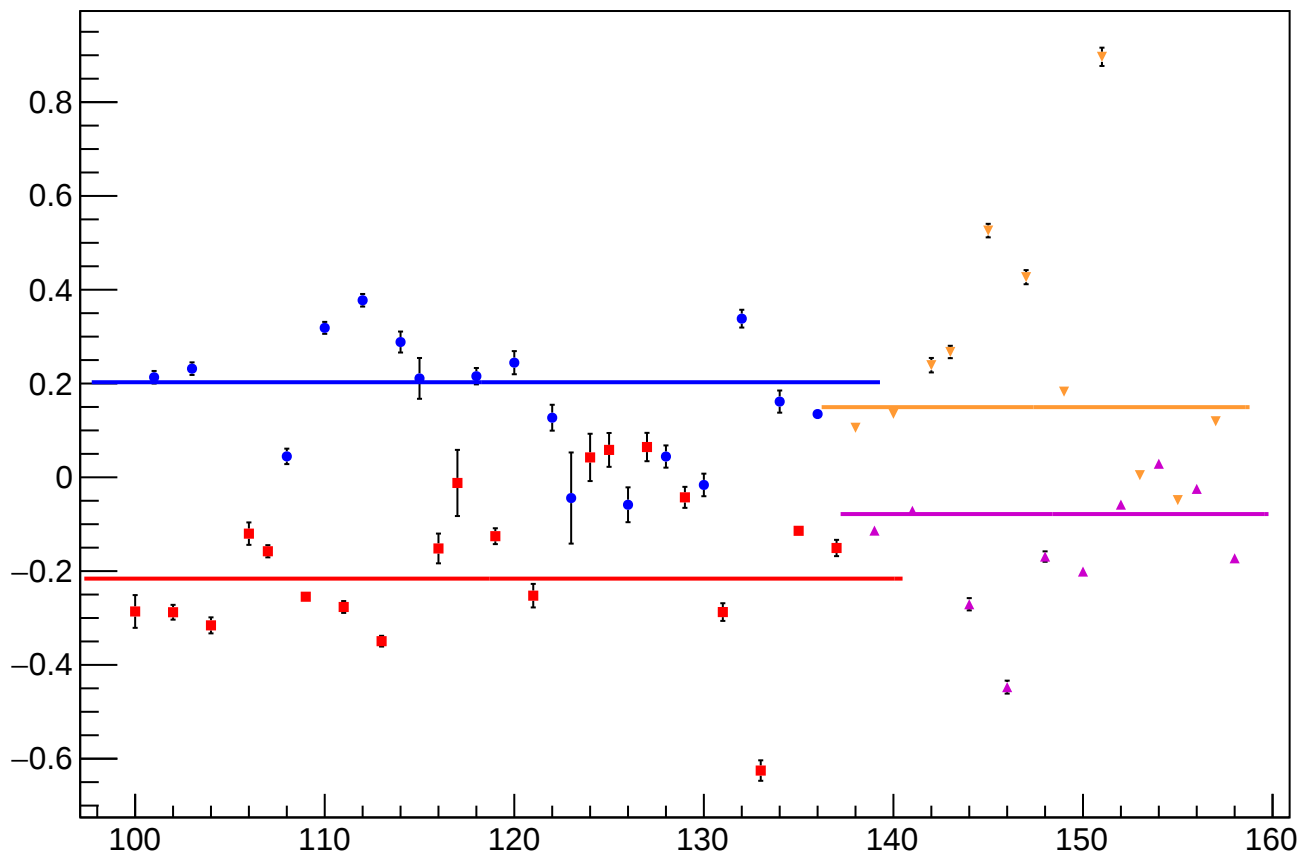
Left In: 2.083 ± 0.055 χ^2/NDF : 1535.7/9

-1.901 ± 0.050 χ^2/NDF : 3100.9/27

0.290 ± 0.032 χ^2/NDF : 9540.9/57

1.891 ± 0.042 χ^2/NDF : 3055.2/29

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.203 ± 0.004 χ^2/NDF : 676.5/16

Left Out: 0.150 ± 0.003 χ^2/NDF : 3499.0/10

Right Out: -0.216 ± 0.004 χ^2/NDF : 1072.8/19

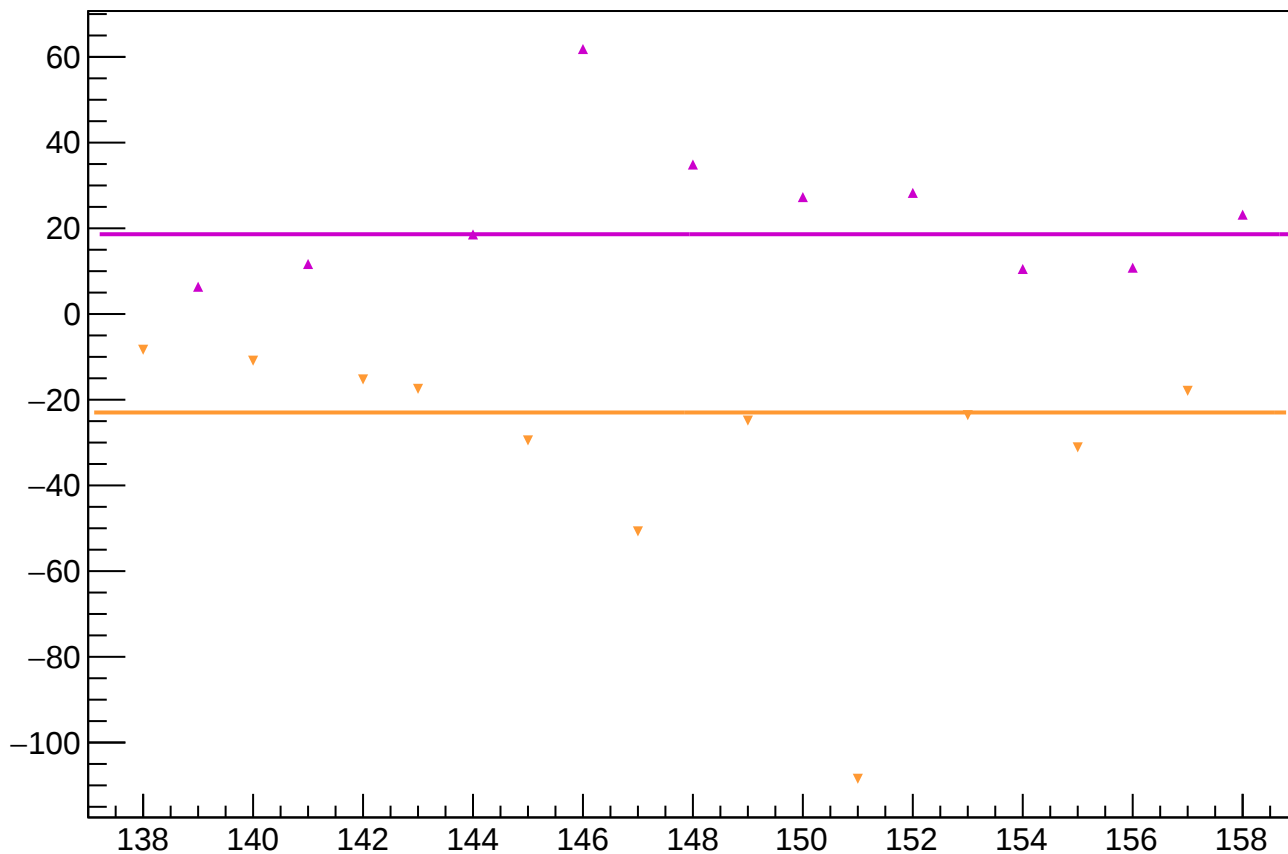
Left In: -0.078 ± 0.002 χ^2/NDF : 1928.3/9

0.168 ± 0.002 χ^2/NDF : 4281.8/27

-0.004 ± 0.002 χ^2/NDF : 16452.7/57

-0.119 ± 0.002 χ^2/NDF : 3979.1/29

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -22.978+/-0.080 χ^2/NDF : 50256.8/10

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

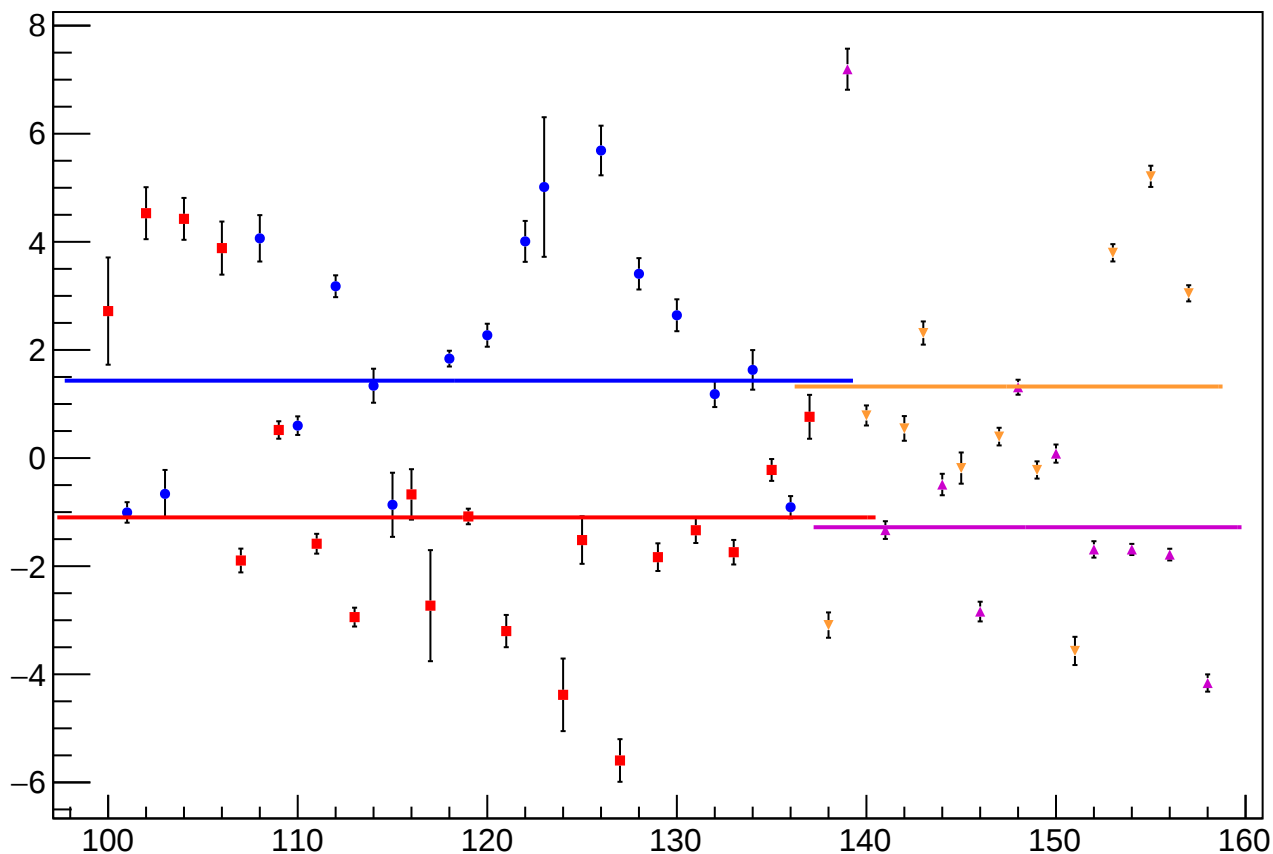
Left In: 18.620+/-0.068 χ^2/NDF : 35671.9/9

-22.978+/-0.080 χ^2/NDF : 50256.8/10

1.258+/-0.052 χ^2/NDF : 241802.0/20

18.620+/-0.068 χ^2/NDF : 35671.9/9

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.432 ± 0.062 χ^2/NDF : 696.6/16

Left Out: 1.323 ± 0.058 χ^2/NDF : 1664.6/10

Right Out: -1.098 ± 0.058 χ^2/NDF : 955.7/19

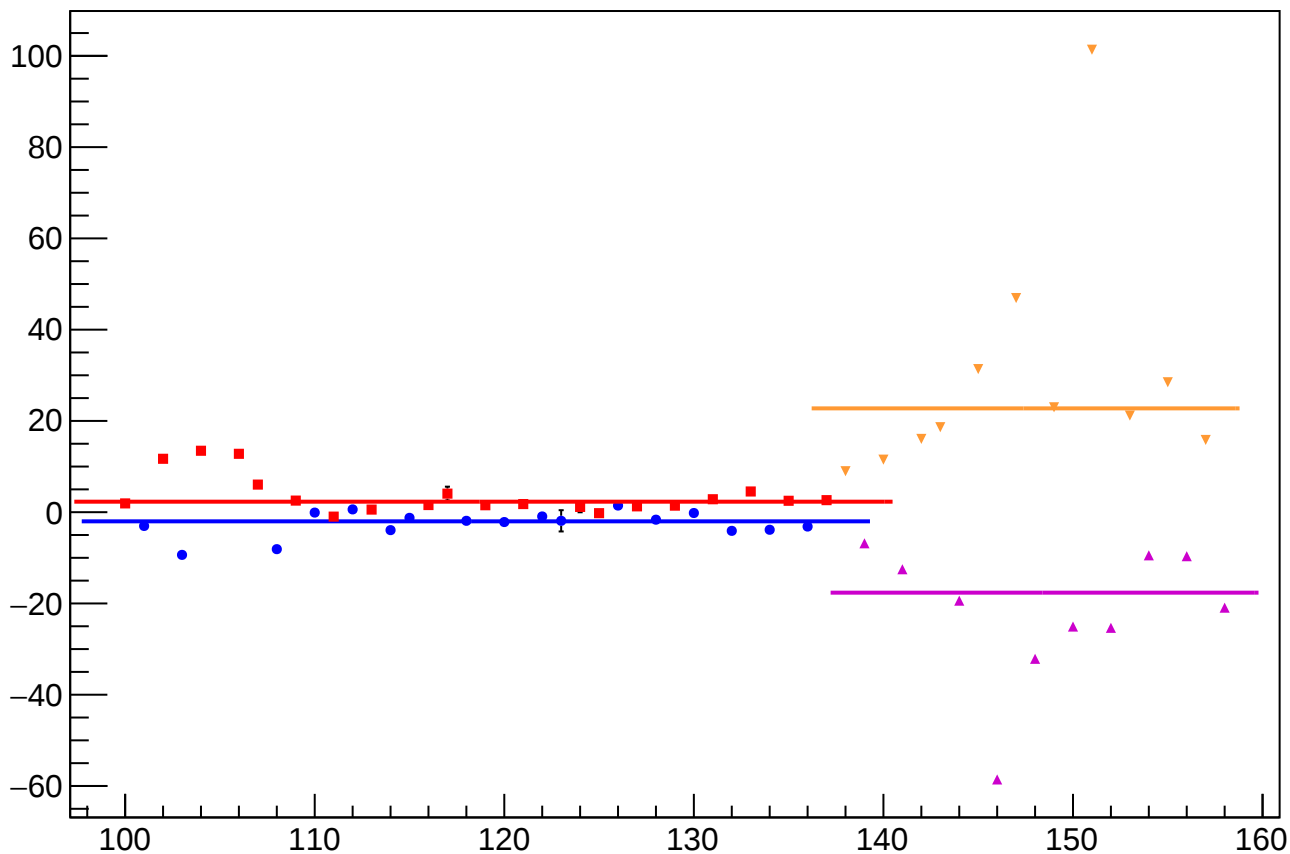
Left In: -1.279 ± 0.047 χ^2/NDF : 1372.4/9

1.374 ± 0.042 χ^2/NDF : 2362.8/27

-0.098 ± 0.028 χ^2/NDF : 6840.9/57

-1.207 ± 0.037 χ^2/NDF : 2334.0/29

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.005 ± 0.111 $\chi^2/\text{NDF}: 463.1/16$

Left Out: 22.749 ± 0.079 $\chi^2/\text{NDF}: 45392.2/10$

Right Out: 2.302 ± 0.098 $\chi^2/\text{NDF}: 908.6/19$

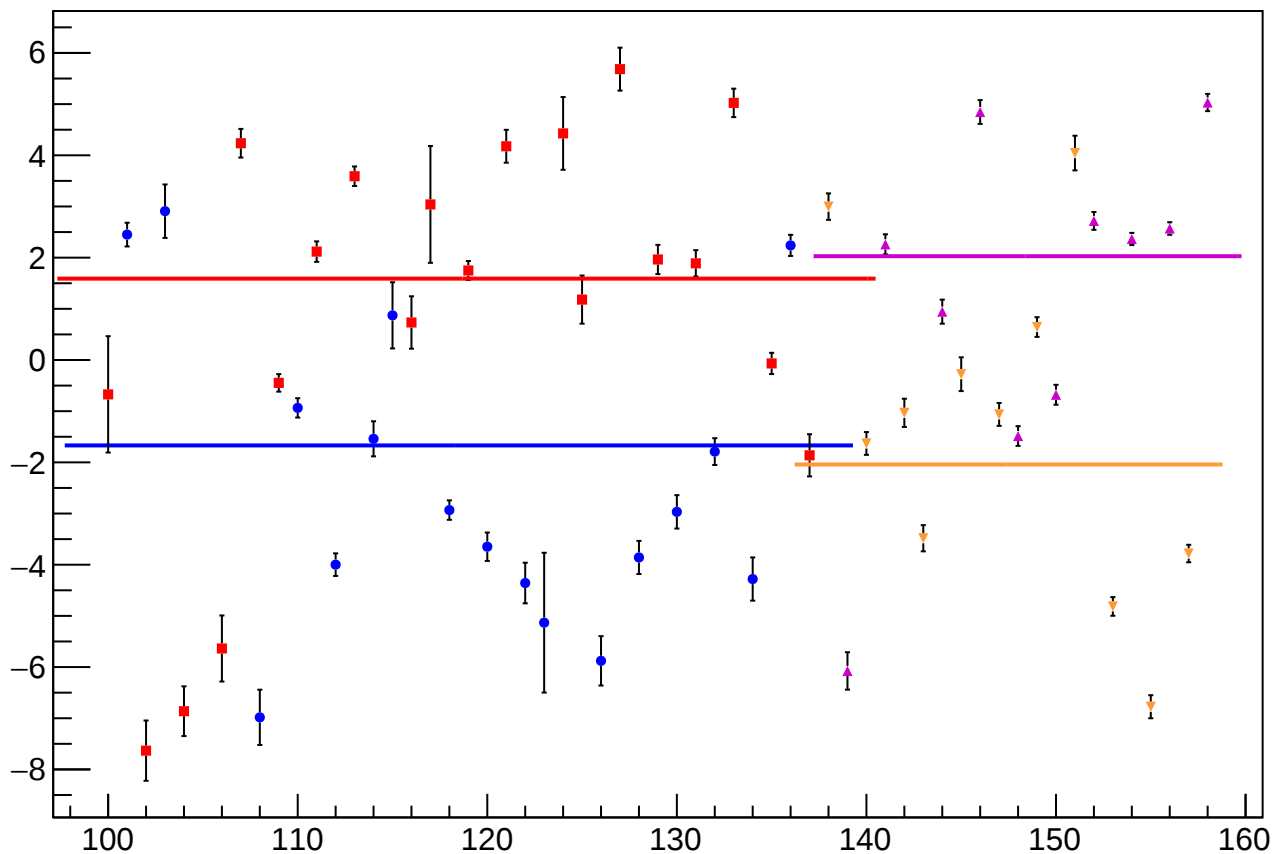
Left In: -17.636 ± 0.065 $\chi^2/\text{NDF}: 33646.7/9$

14.339 ± 0.065 $\chi^2/\text{NDF}: 78858.9/27$

-0.755 ± 0.042 $\chi^2/\text{NDF}: 235614.0/57$

-11.508 ± 0.054 $\chi^2/\text{NDF}: 63077.6/29$

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.669 ± 0.071 χ^2/NDF : 1314.9/16

Left Out: -2.041 ± 0.069 χ^2/NDF : 1771.4/10

Right Out: 1.590 ± 0.065 χ^2/NDF : 1496.3/19

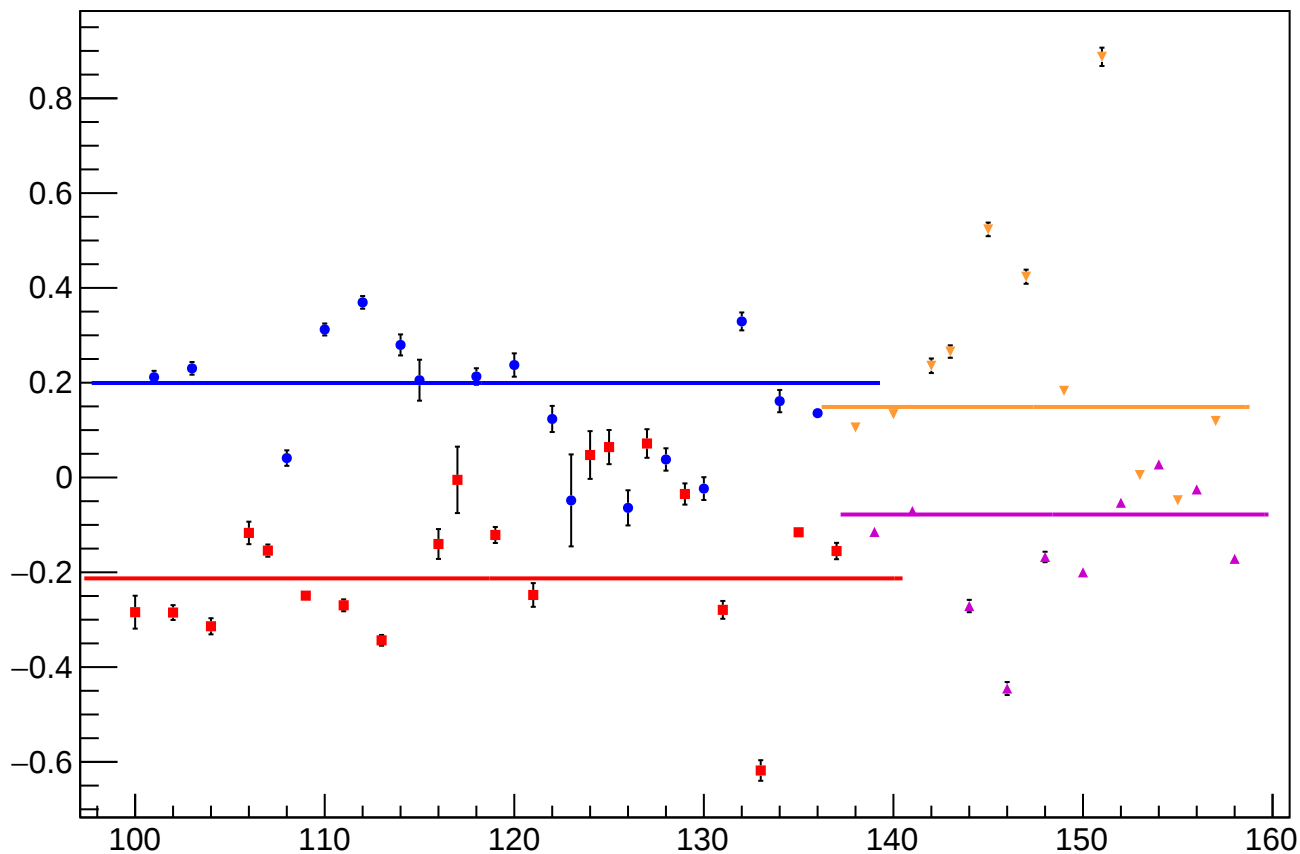
Left In: 2.028 ± 0.055 χ^2/NDF : 1550.2/9

-1.861 ± 0.049 χ^2/NDF : 3100.6/27

0.280 ± 0.032 χ^2/NDF : 9444.6/57

1.846 ± 0.042 χ^2/NDF : 3072.8/29

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.199 ± 0.004 χ^2/NDF : 662.1/16

Left Out: 0.149 ± 0.003 χ^2/NDF : 3489.1/10

Right Out: -0.213 ± 0.004 χ^2/NDF : 1057.0/19

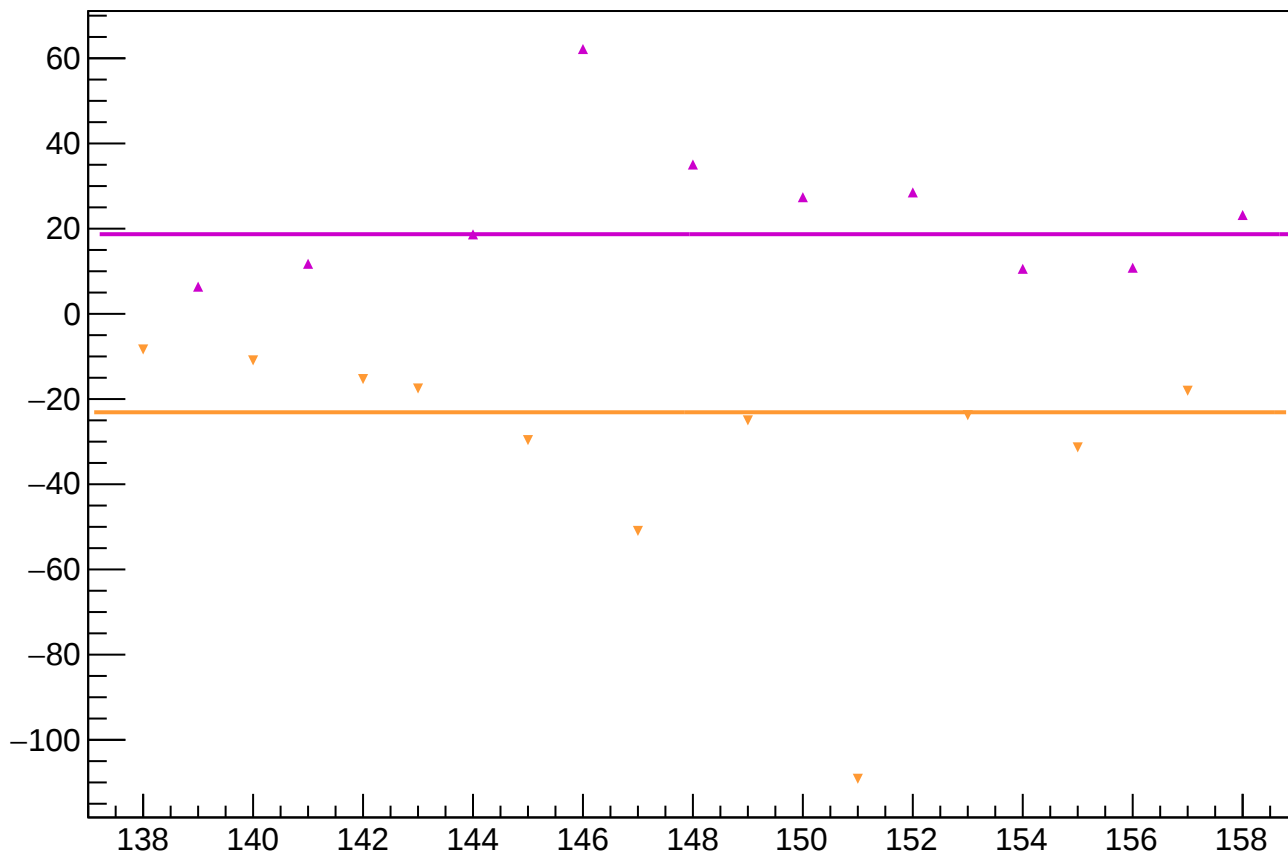
Left In: -0.078 ± 0.002 χ^2/NDF : 1928.5/9

0.167 ± 0.002 χ^2/NDF : 4248.6/27

-0.004 ± 0.002 χ^2/NDF : 16302.5/57

-0.118 ± 0.002 χ^2/NDF : 3932.7/29

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -23.102+/-0.081 χ^2/NDF : 50367.2/10

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

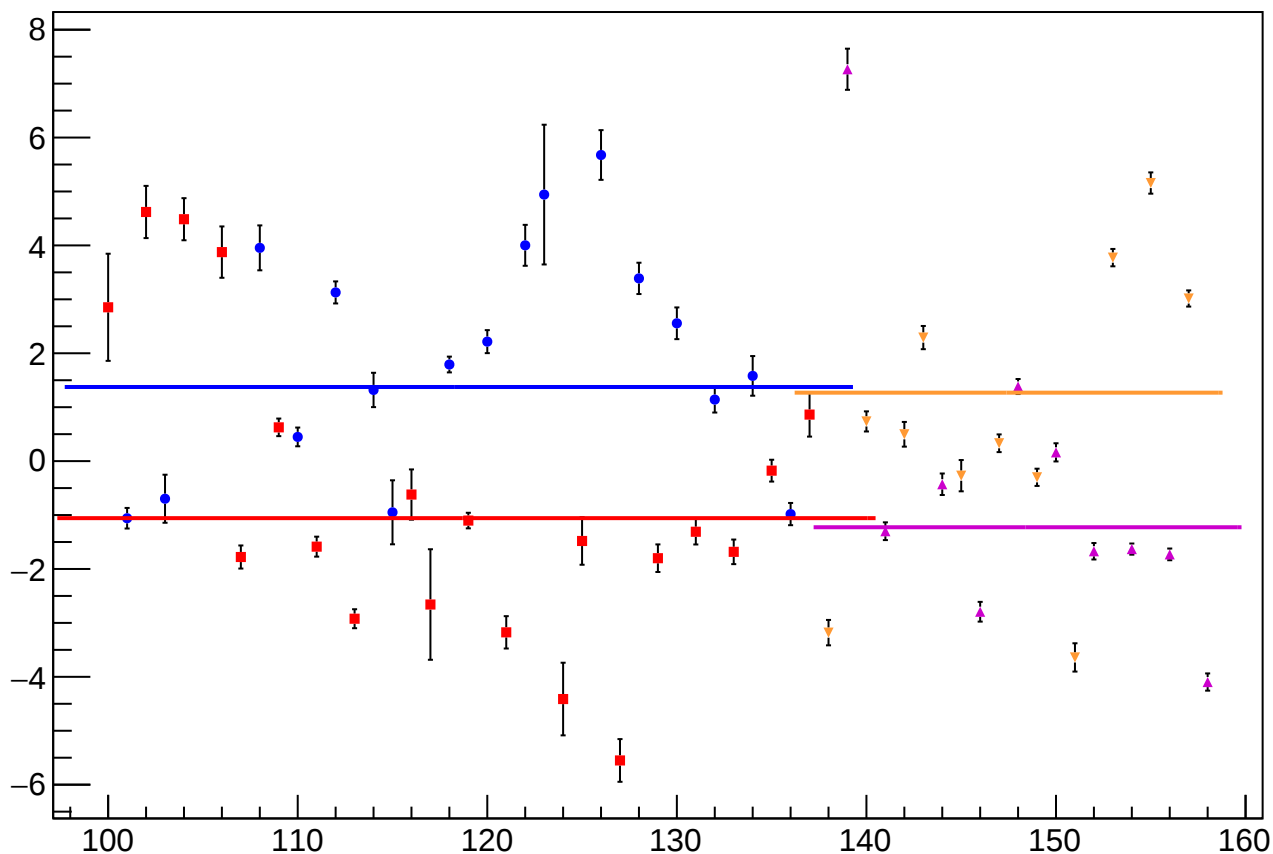
Left In: 18.700+/-0.068 χ^2/NDF : 35760.8/9

-23.102+/-0.081 χ^2/NDF : 50367.2/10

1.271+/-0.052 χ^2/NDF : 242234.8/20

18.700+/-0.068 χ^2/NDF : 35760.8/9

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.375 ± 0.062 $\chi^2/\text{NDF}: 702.4/16$

Left Out: 1.269 ± 0.058 $\chi^2/\text{NDF}: 1672.2/10$

Right Out: -1.058 ± 0.058 $\chi^2/\text{NDF}: 966.5/19$

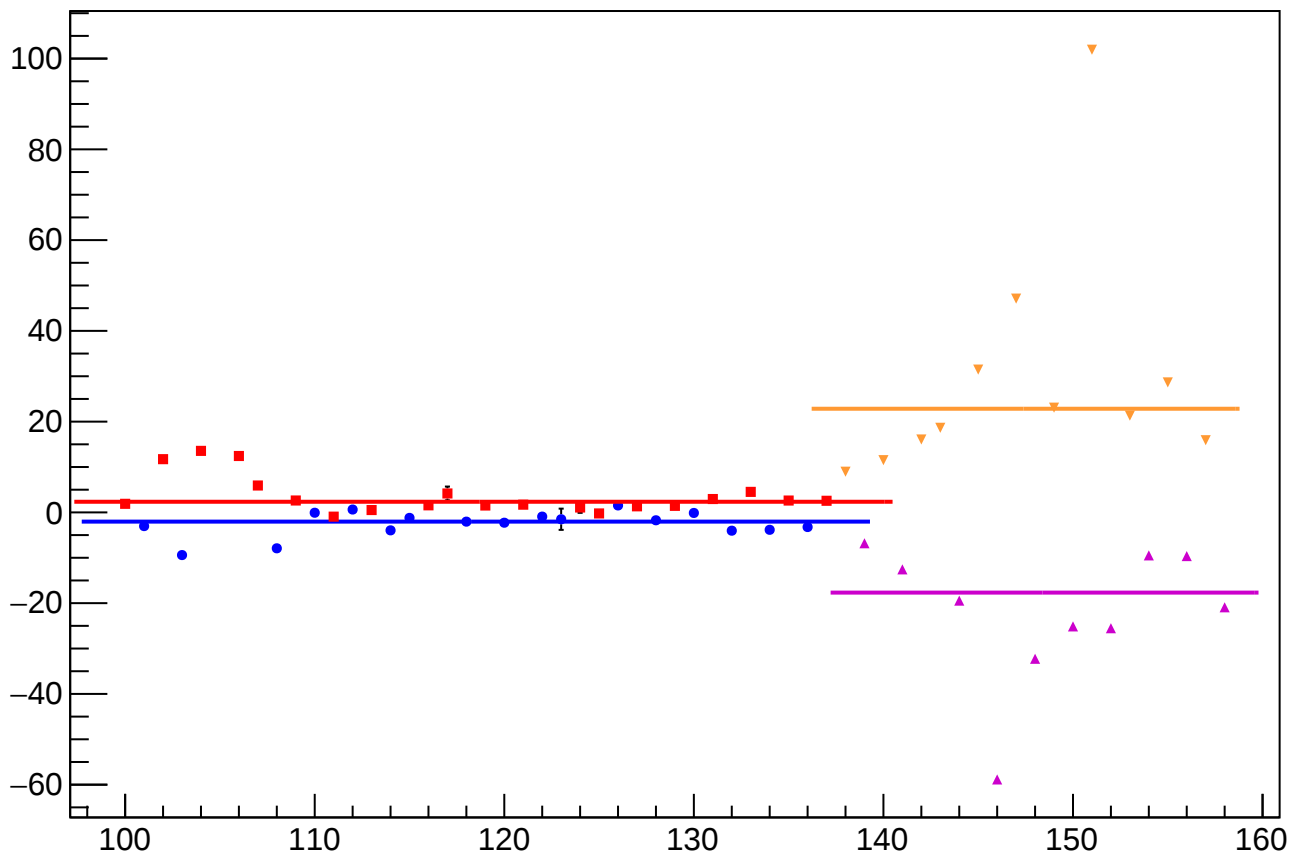
Left In: -1.226 ± 0.047 $\chi^2/\text{NDF}: 1372.1/9$

1.318 ± 0.042 $\chi^2/\text{NDF}: 2376.1/27$

-0.096 ± 0.028 $\chi^2/\text{NDF}: 6680.0/57$

-1.159 ± 0.037 $\chi^2/\text{NDF}: 2343.7/29$

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.031 ± 0.111 $\chi^2/\text{NDF}: 463.2/16$

Left Out: 22.840 ± 0.080 $\chi^2/\text{NDF}: 45482.7/10$

Right Out: 2.344 ± 0.099 $\chi^2/\text{NDF}: 903.4/19$

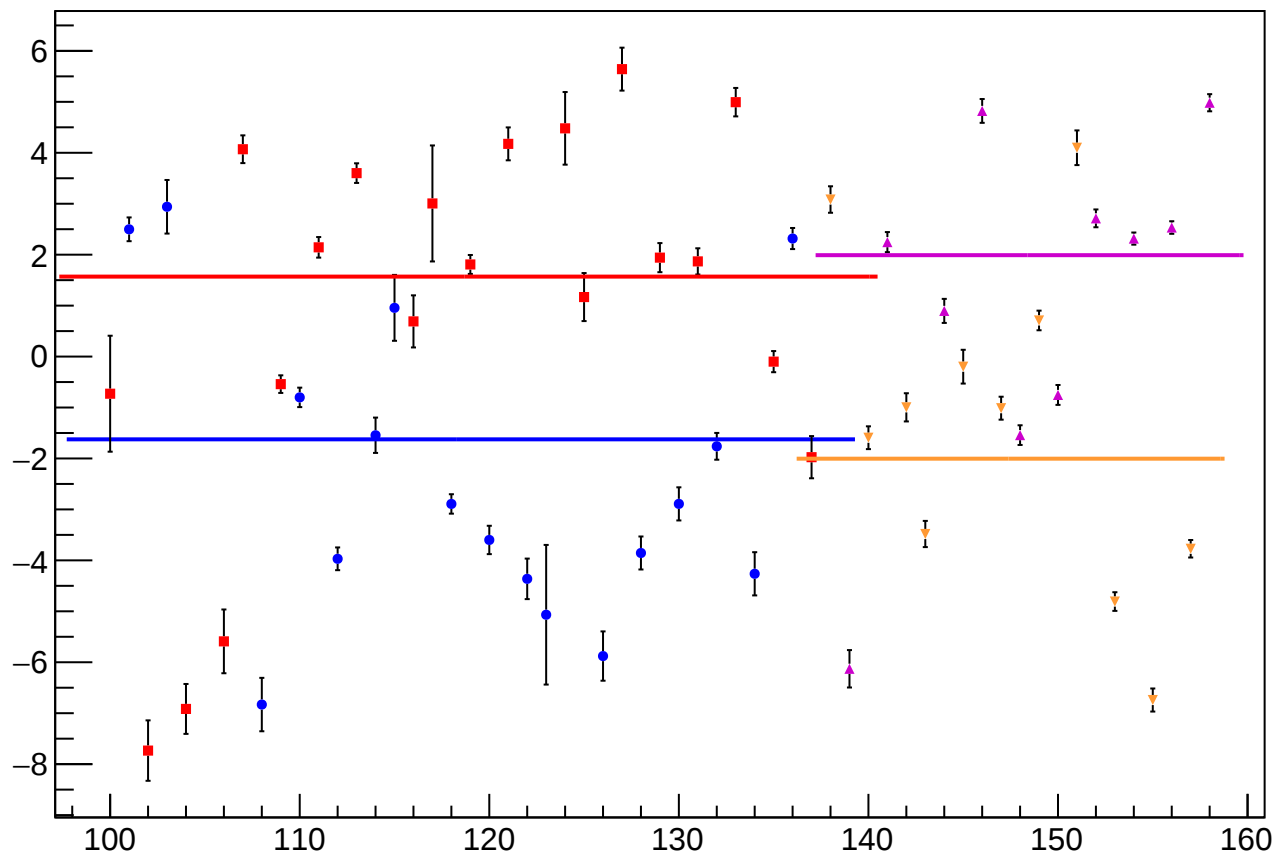
Left In: -17.675 ± 0.066 $\chi^2/\text{NDF}: 33744.1/9$

14.399 ± 0.065 $\chi^2/\text{NDF}: 78929.6/27$

-0.756 ± 0.042 $\chi^2/\text{NDF}: 235542.5/57$

-11.534 ± 0.055 $\chi^2/\text{NDF}: 63147.0/29$

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.625 ± 0.071 χ^2/NDF : 1320.8/16

Left Out: -2.004 ± 0.069 χ^2/NDF : 1780.3/10

Right Out: 1.570 ± 0.065 χ^2/NDF : 1507.4/19

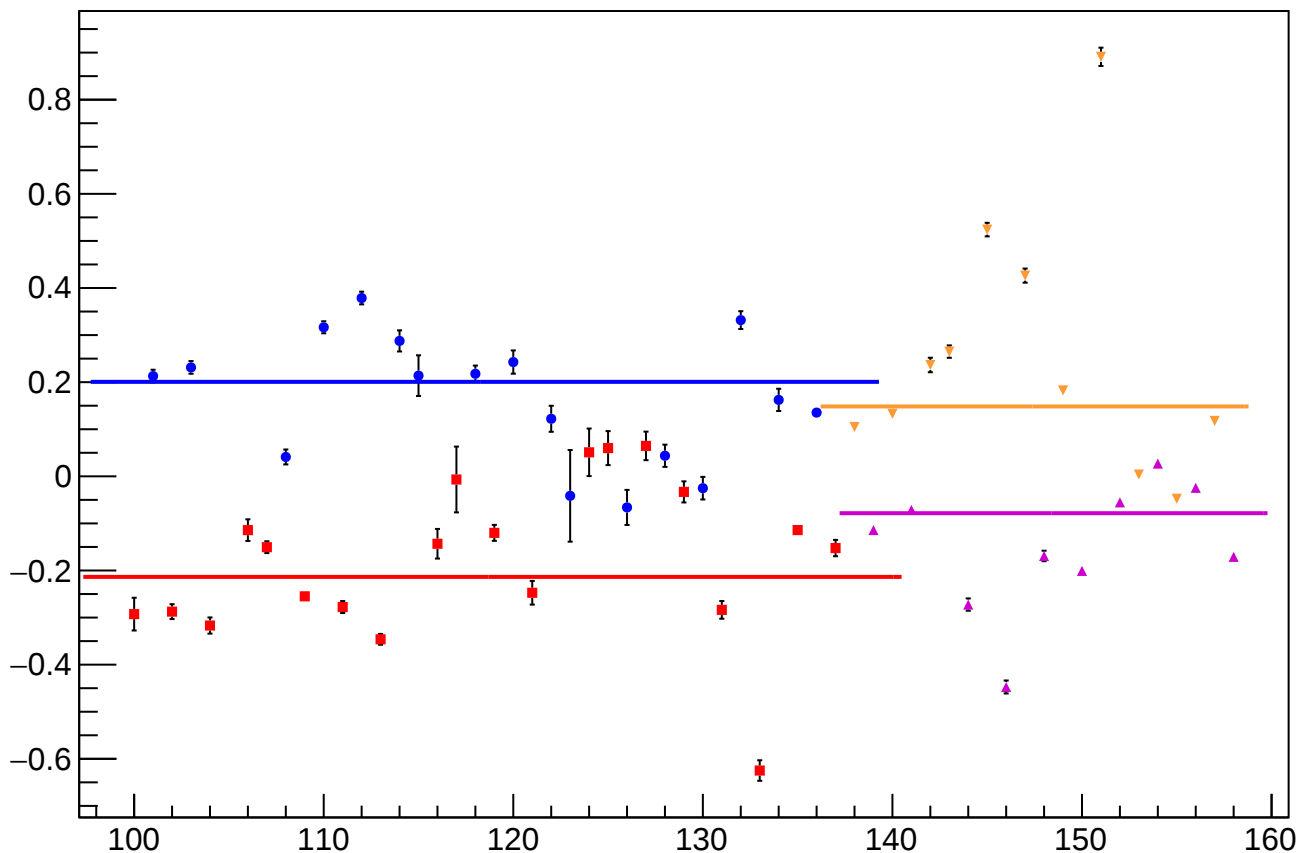
Left In: 1.990 ± 0.055 χ^2/NDF : 1550.4/9

-1.820 ± 0.049 χ^2/NDF : 3115.8/27

0.282 ± 0.032 χ^2/NDF : 9318.5/57

1.815 ± 0.042 χ^2/NDF : 3081.8/29

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 ± 0.004 χ^2/NDF : 690.6/16

Left Out: 0.148 ± 0.003 χ^2/NDF : 3483.6/10

Right Out: -0.214 ± 0.004 χ^2/NDF : 1089.2/19

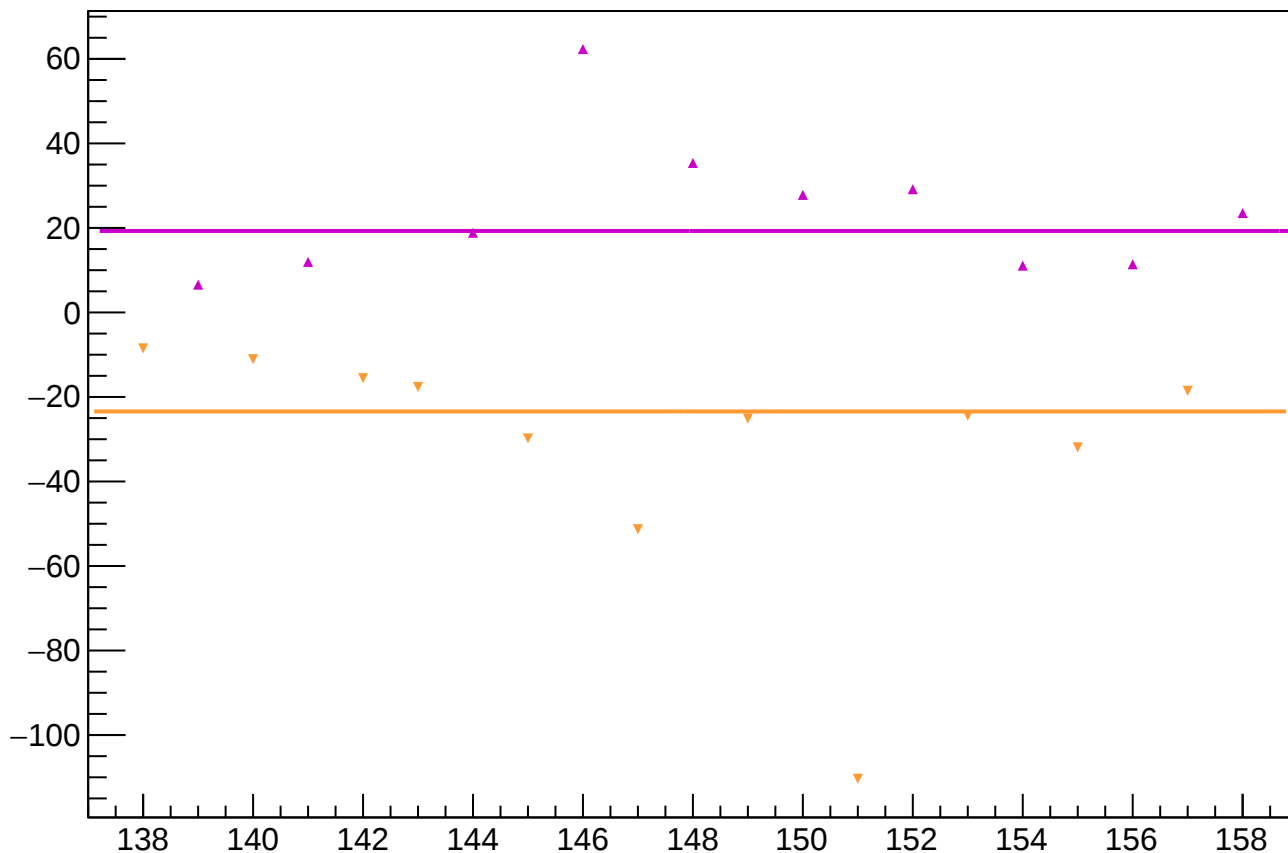
Left In: -0.078 ± 0.002 χ^2/NDF : 1924.5/9

0.167 ± 0.002 χ^2/NDF : 4277.5/27

-0.004 ± 0.002 χ^2/NDF : 16340.7/57

-0.118 ± 0.002 χ^2/NDF : 3963.7/29

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -23.428+/-0.082 χ^2/NDF : 50222.6/10

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

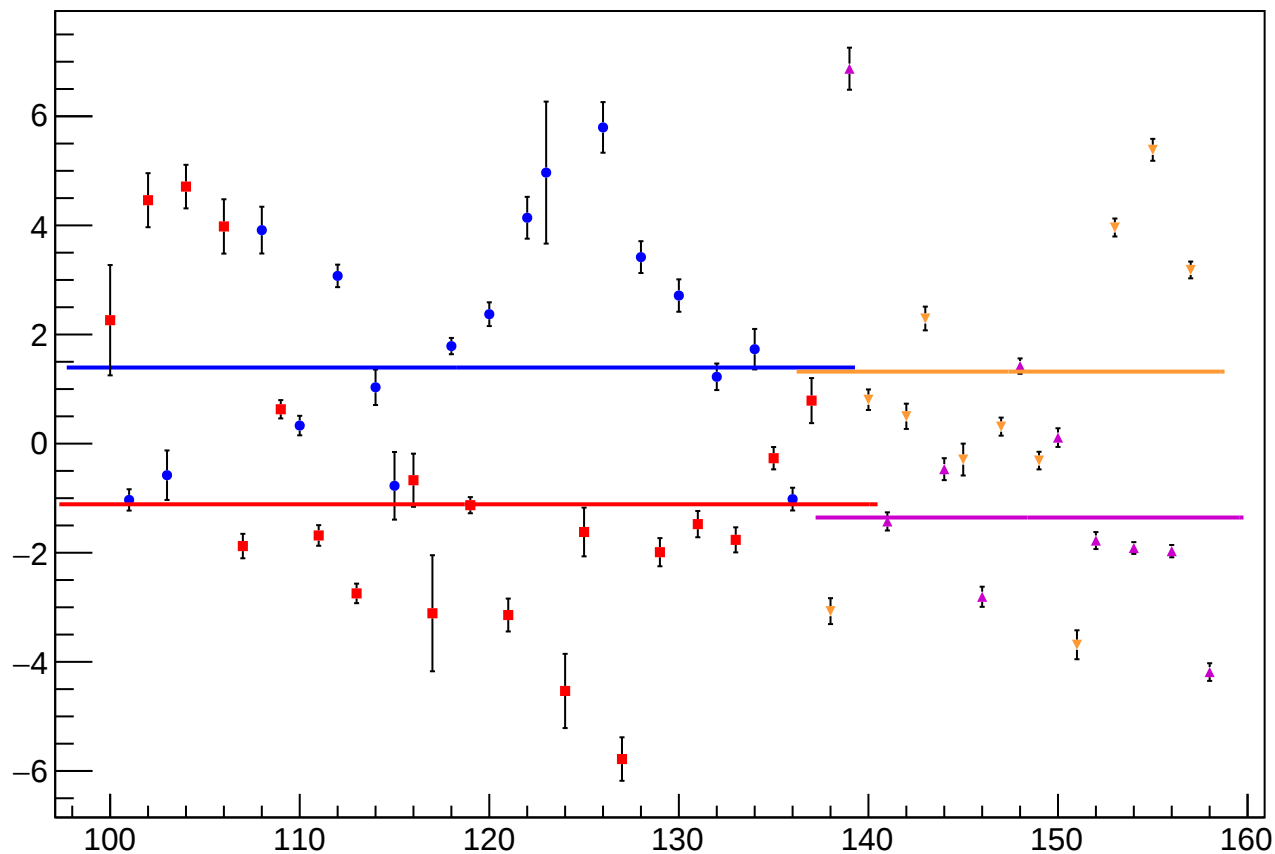
Left In: 19.282+/-0.070 χ^2/NDF : 34680.4/9

-23.428+/-0.082 χ^2/NDF : 50222.6/10

1.279+/-0.053 χ^2/NDF : 242162.9/20

19.282+/-0.070 χ^2/NDF : 34680.4/9

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.395 ± 0.063 $\chi^2/\text{NDF}: 701.4/16$

Left Out: 1.320 ± 0.059 $\chi^2/\text{NDF}: 1721.1/10$

Right Out: -1.112 ± 0.059 $\chi^2/\text{NDF}: 940.5/19$

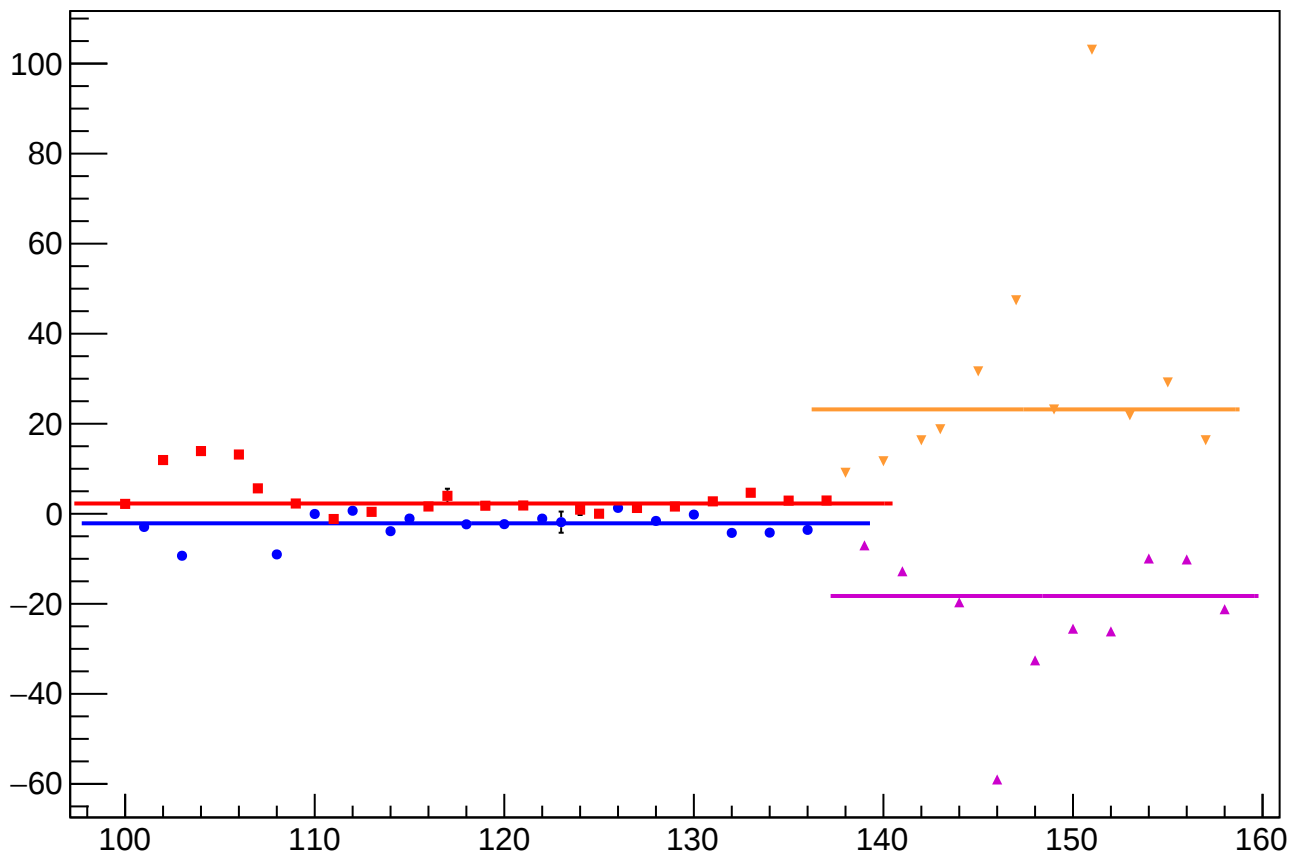
Left In: -1.354 ± 0.048 $\chi^2/\text{NDF}: 1369.8/9$

1.355 ± 0.043 $\chi^2/\text{NDF}: 2423.3/27$

-0.128 ± 0.028 $\chi^2/\text{NDF}: 6842.5/57$

-1.257 ± 0.037 $\chi^2/\text{NDF}: 2320.4/29$

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.119 ± 0.113 $\chi^2/\text{NDF}: 486.3/16$

Left Out: 23.187 ± 0.081 $\chi^2/\text{NDF}: 45263.0/10$

Right Out: 2.284 ± 0.101 $\chi^2/\text{NDF}: 920.6/19$

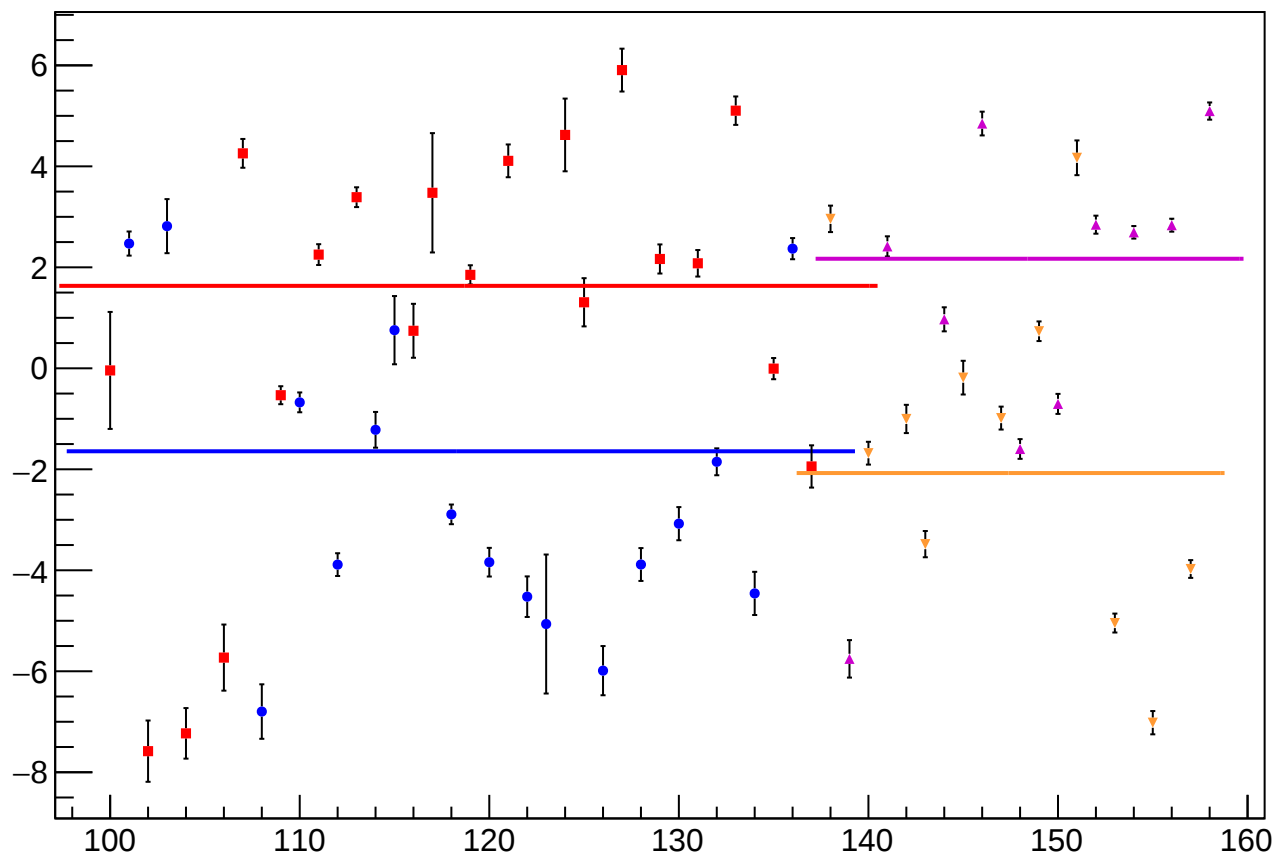
Left In: -18.260 ± 0.067 $\chi^2/\text{NDF}: 32575.3/9$

14.635 ± 0.066 $\chi^2/\text{NDF}: 78779.0/27$

-0.790 ± 0.043 $\chi^2/\text{NDF}: 235465.3/57$

-11.930 ± 0.056 $\chi^2/\text{NDF}: 62218.1/29$

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



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

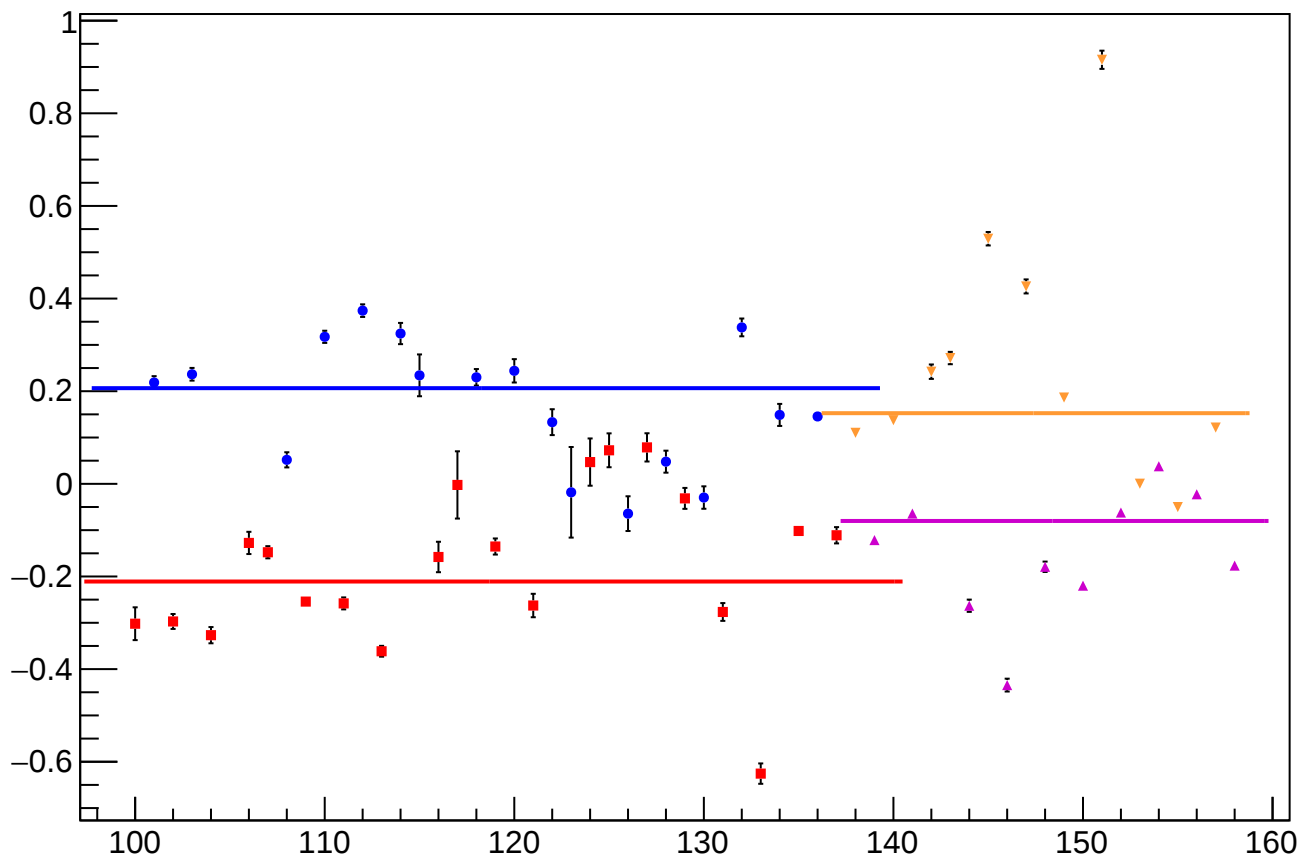
Left In: 2.170 ± 0.057 χ^2/NDF : 1548.4/9

-1.866 ± 0.050 χ^2/NDF : 3165.0/27

0.325 ± 0.033 χ^2/NDF : 9524.8/57

1.945 ± 0.043 χ^2/NDF : 3056.4/29

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.207 ± 0.004 χ^2/NDF : 655.0/16

Left Out: 0.153 ± 0.003 χ^2/NDF : 3543.0/10

Right Out: -0.211 ± 0.004 χ^2/NDF : 1153.8/19

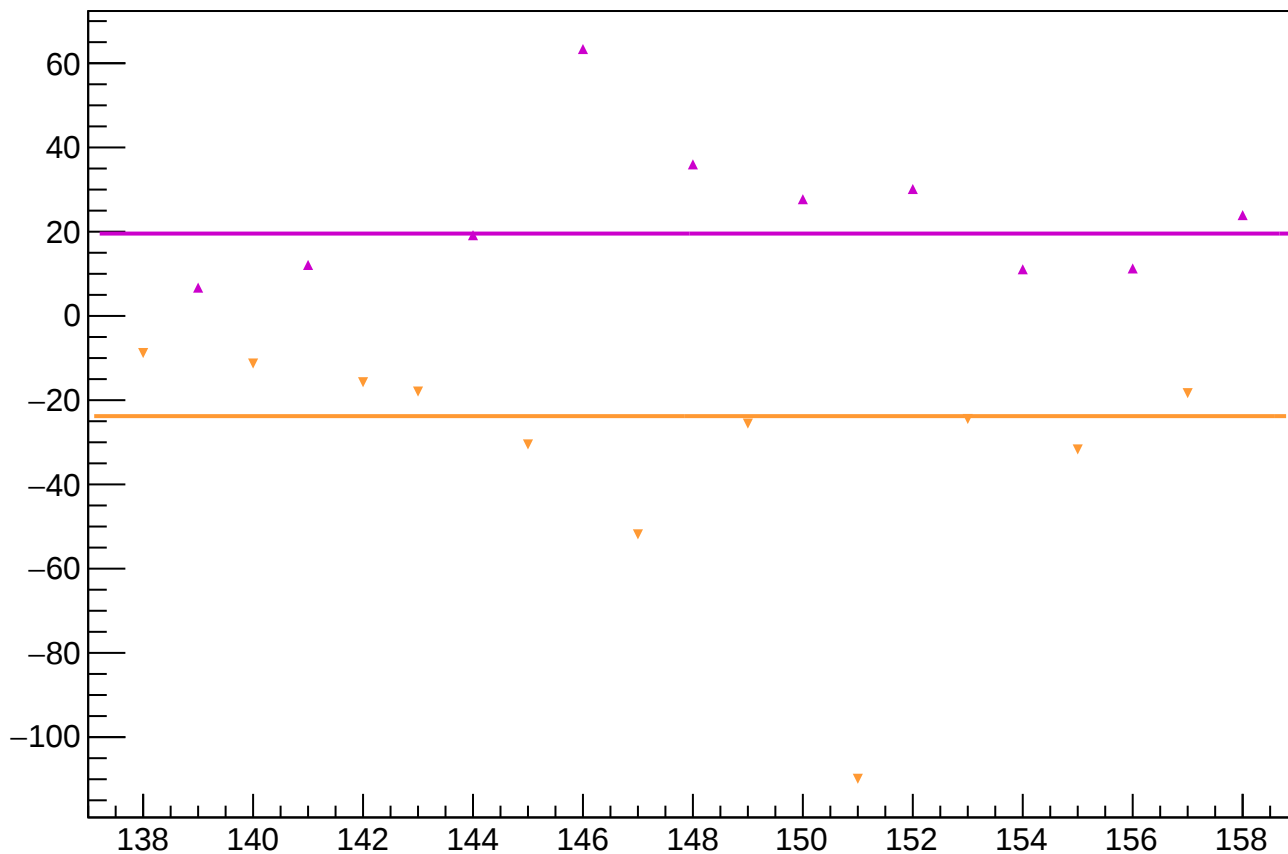
Left In: -0.080 ± 0.002 χ^2/NDF : 1974.8/9

0.171 ± 0.002 χ^2/NDF : 4304.6/27

-0.002 ± 0.002 χ^2/NDF : 16371.6/57

-0.119 ± 0.002 χ^2/NDF : 3977.4/29

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -23.790+/-0.083 χ^2/NDF : 49517.5/10

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

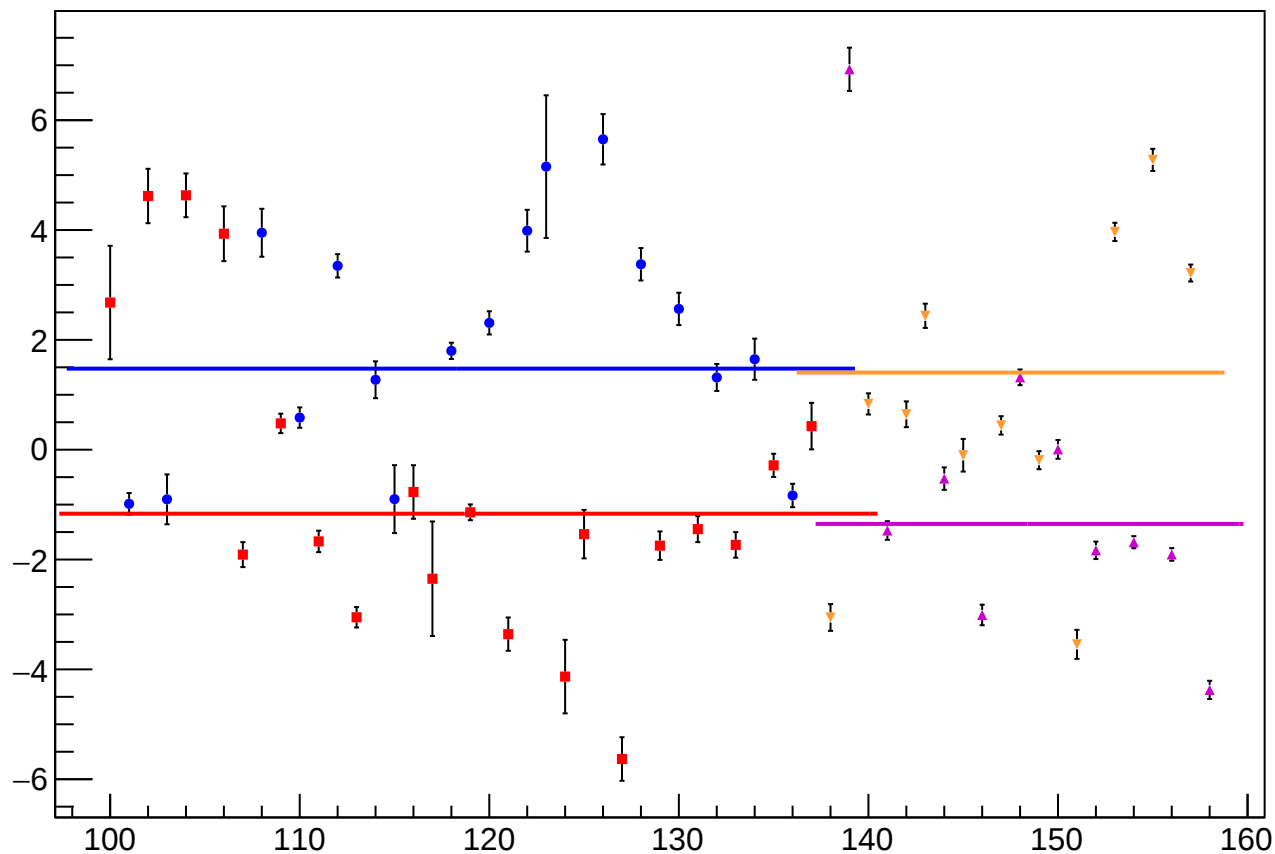
Left In: 19.555+/-0.071 χ^2/NDF : 35006.2/9

-23.790+/-0.083 χ^2/NDF : 49517.5/10

1.201+/-0.054 χ^2/NDF : 241570.0/20

19.555+/-0.071 χ^2/NDF : 35006.2/9

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



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 $\chi^2/\text{NDF}: 919.2/19$

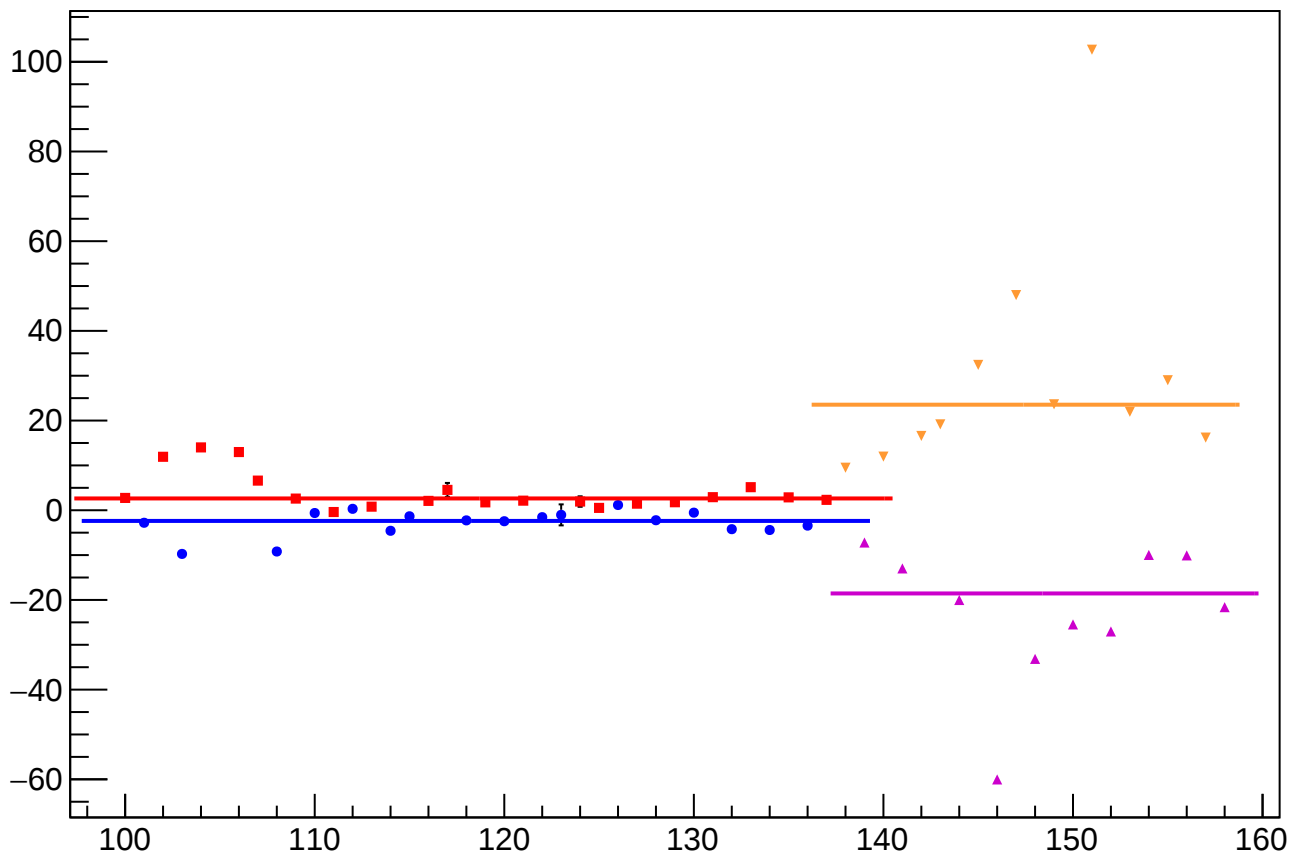
Left In: -1.351 ± 0.049 $\chi^2/\text{NDF}: 1322.4/9$

1.438 ± 0.043 $\chi^2/\text{NDF}: 2286.8/27$

-0.096 ± 0.029 $\chi^2/\text{NDF}: 6744.7/57$

-1.276 ± 0.038 $\chi^2/\text{NDF}: 2247.4/29$

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.380+/-0.115 χ^2/NDF : 438.8/16

Left Out: 23.540+/-0.082 χ^2/NDF : 44732.9/10

Right Out: 2.631+/-0.103 χ^2/NDF : 842.8/19

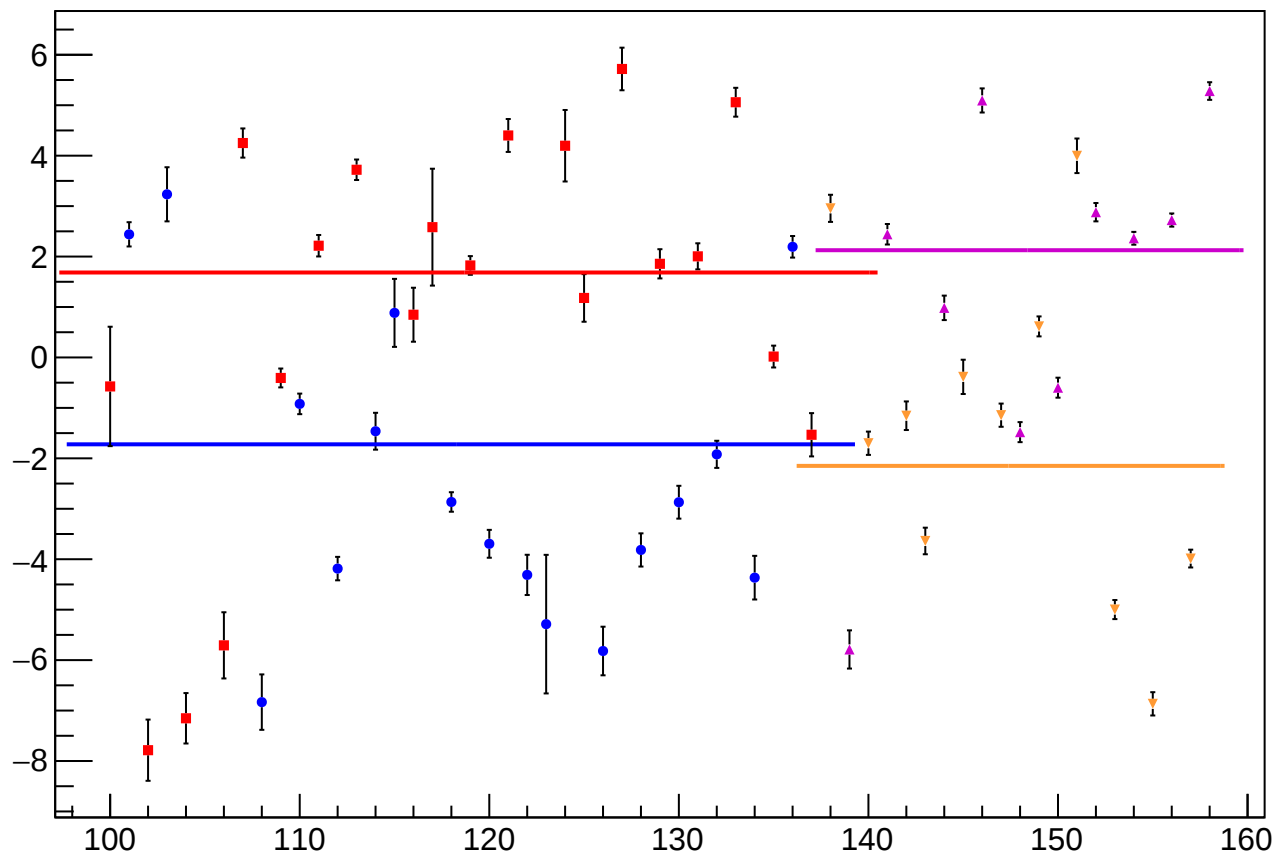
Left In: -18.553+/-0.068 χ^2/NDF : 32904.4/9

14.808+/-0.067 χ^2/NDF : 78842.2/27

-0.724+/-0.043 χ^2/NDF : 235542.6/57

-12.061+/-0.057 χ^2/NDF : 63067.2/29

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.722 ± 0.073 χ^2/NDF : 1247.6/16

Left Out: -2.149 ± 0.071 χ^2/NDF : 1724.1/10

Right Out: 1.684 ± 0.068 χ^2/NDF : 1431.6/19

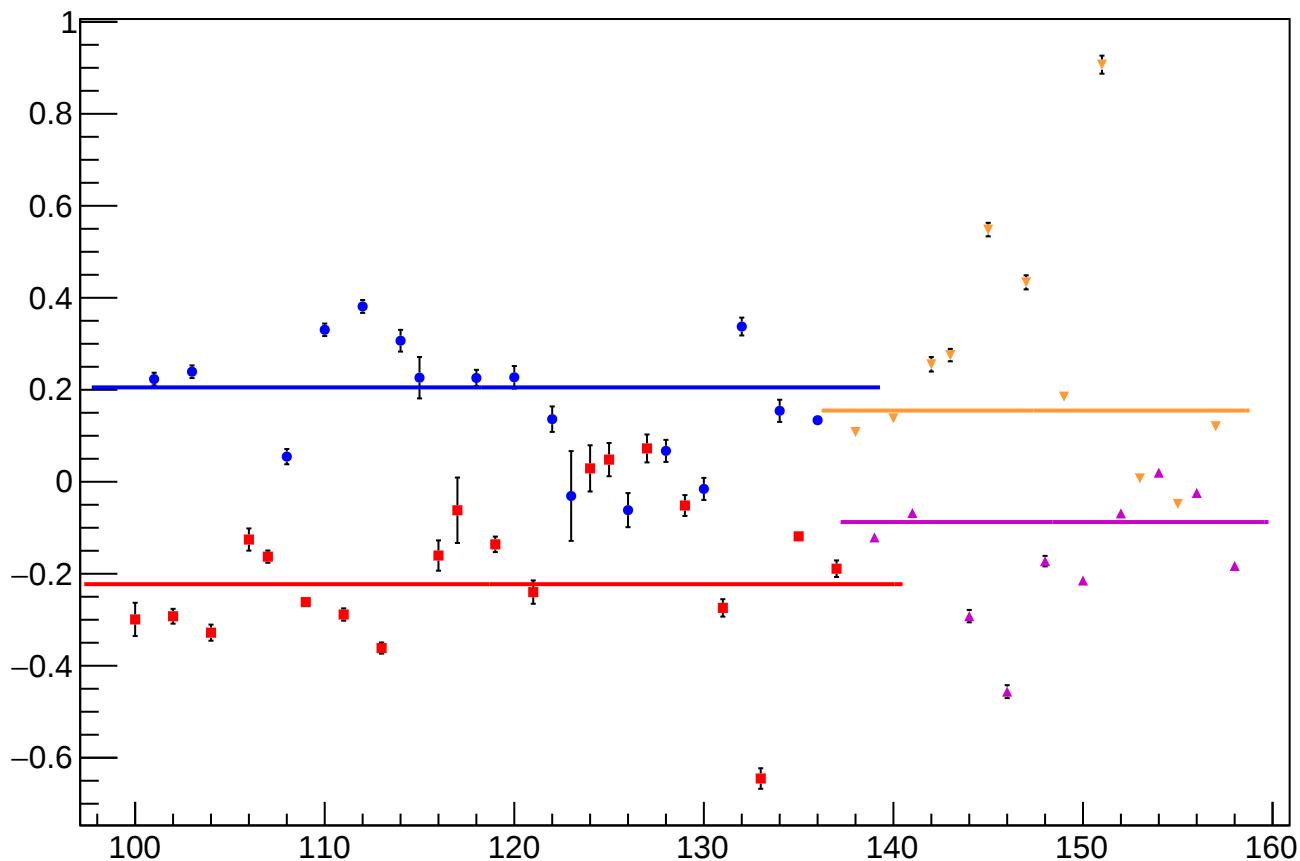
Left In: 2.126 ± 0.058 χ^2/NDF : 1502.3/9

-1.943 ± 0.051 χ^2/NDF : 2989.4/27

0.279 ± 0.033 χ^2/NDF : 9286.6/57

1.940 ± 0.044 χ^2/NDF : 2958.5/29

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 ± 0.004 χ^2/NDF : 650.7/16

Left Out: 0.155 ± 0.003 χ^2/NDF : 3538.4/10

Right Out: -0.223 ± 0.004 χ^2/NDF : 1045.6/19

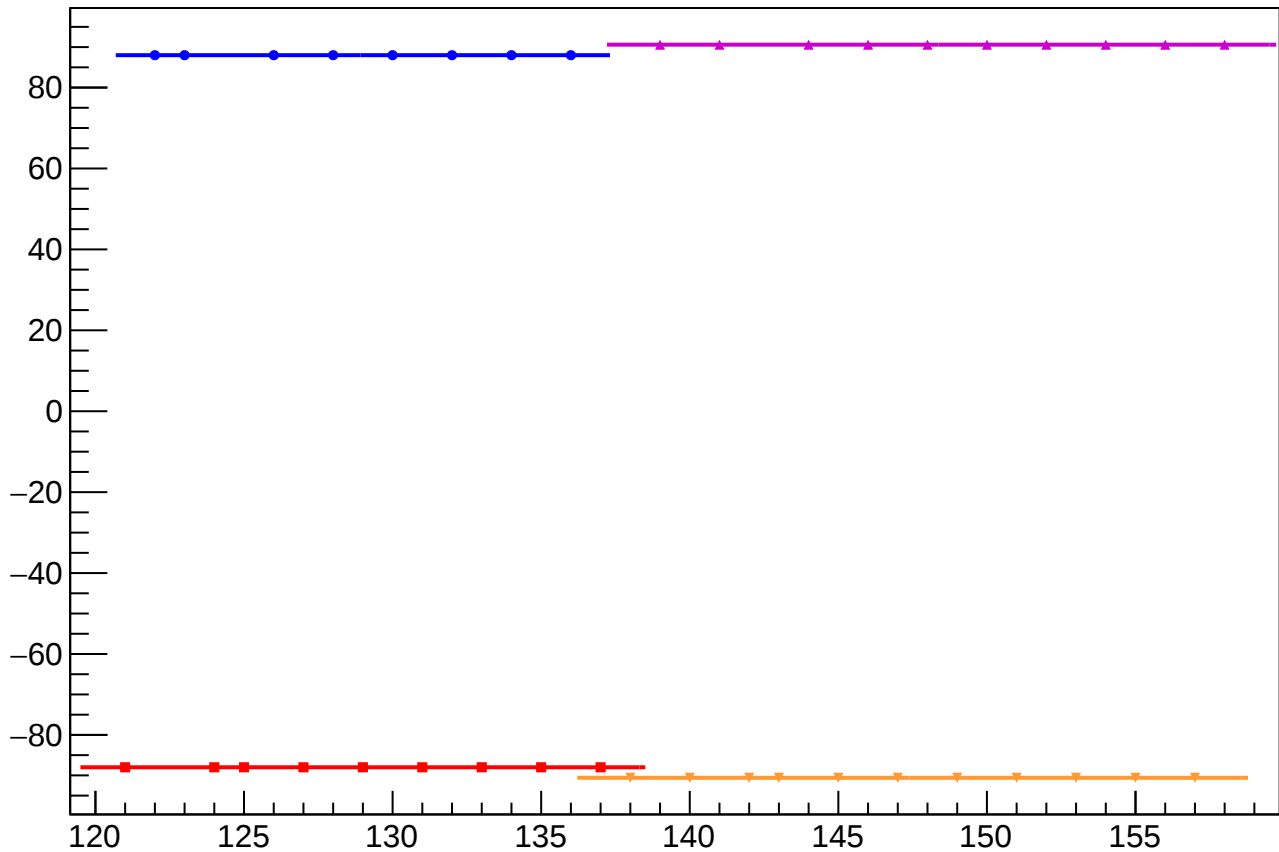
Left In: -0.088 ± 0.002 χ^2/NDF : 1883.3/9

0.172 ± 0.003 χ^2/NDF : 4279.6/27

-0.006 ± 0.002 χ^2/NDF : 16455.6/57

-0.128 ± 0.002 χ^2/NDF : 3800.1/29

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001 $\pm$ 0.000 χ^2/NDF : 714089.5/7

Left Out: -90.599 $\pm$ 0.000 χ^2/NDF : 3538337.8/10

Right Out: -88.001 $\pm$ 0.000 χ^2/NDF : 109456.0/8

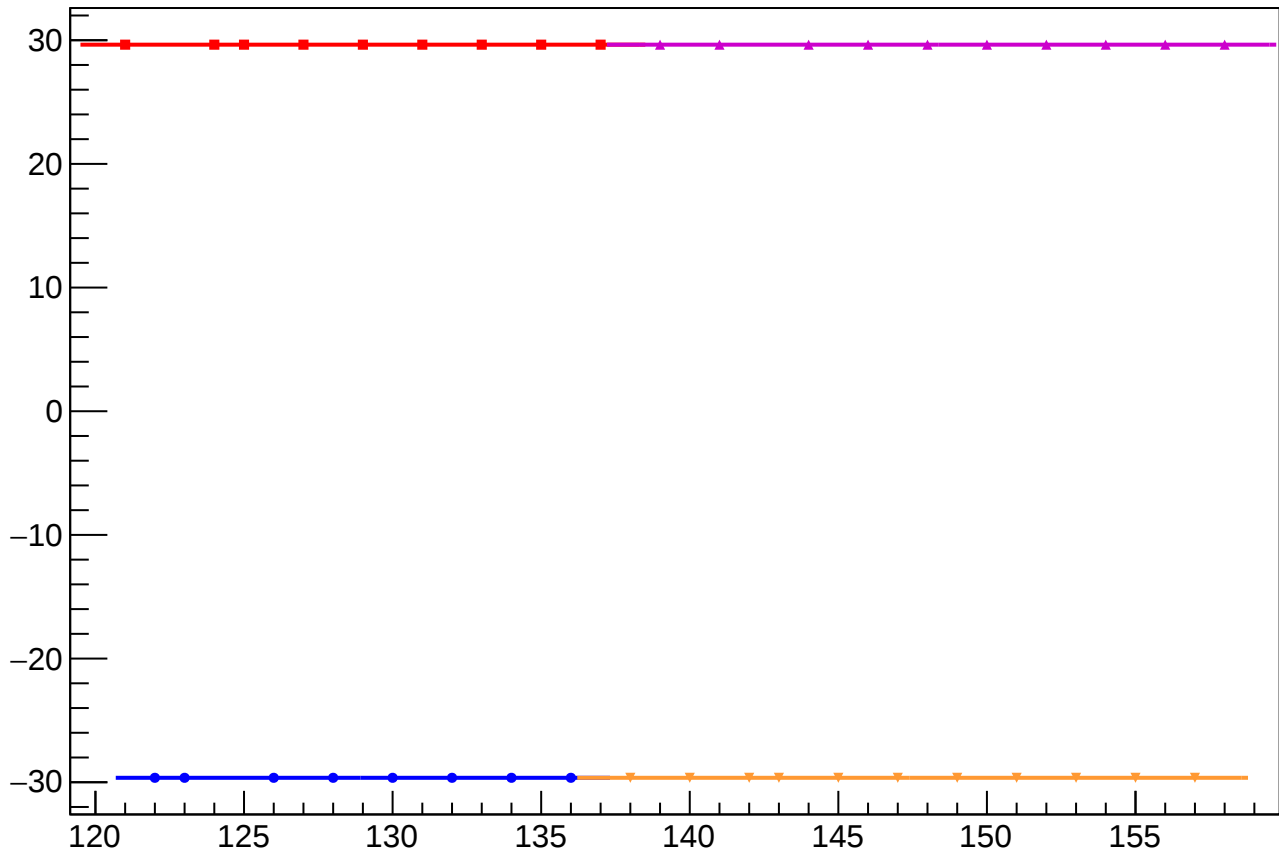
Left In: 90.599 $\pm$ 0.000 χ^2/NDF : 561214.6/9

-38.792 $\pm$ 0.000 χ^2/NDF : 77446298912977017

1.249 $\pm$ 0.000 χ^2/NDF : 18937868526776

41.737 $\pm$ 0.000 χ^2/NDF : 73915999196226243

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.641 $\pm$ 0.000 χ^2 /NDF: 405045.4/7

Left Out: -29.641 $\pm$ 0.000 χ^2 /NDF: 175556.3/10

Right Out: 29.641 $\pm$ 0.000 χ^2 /NDF: 29358.2/8

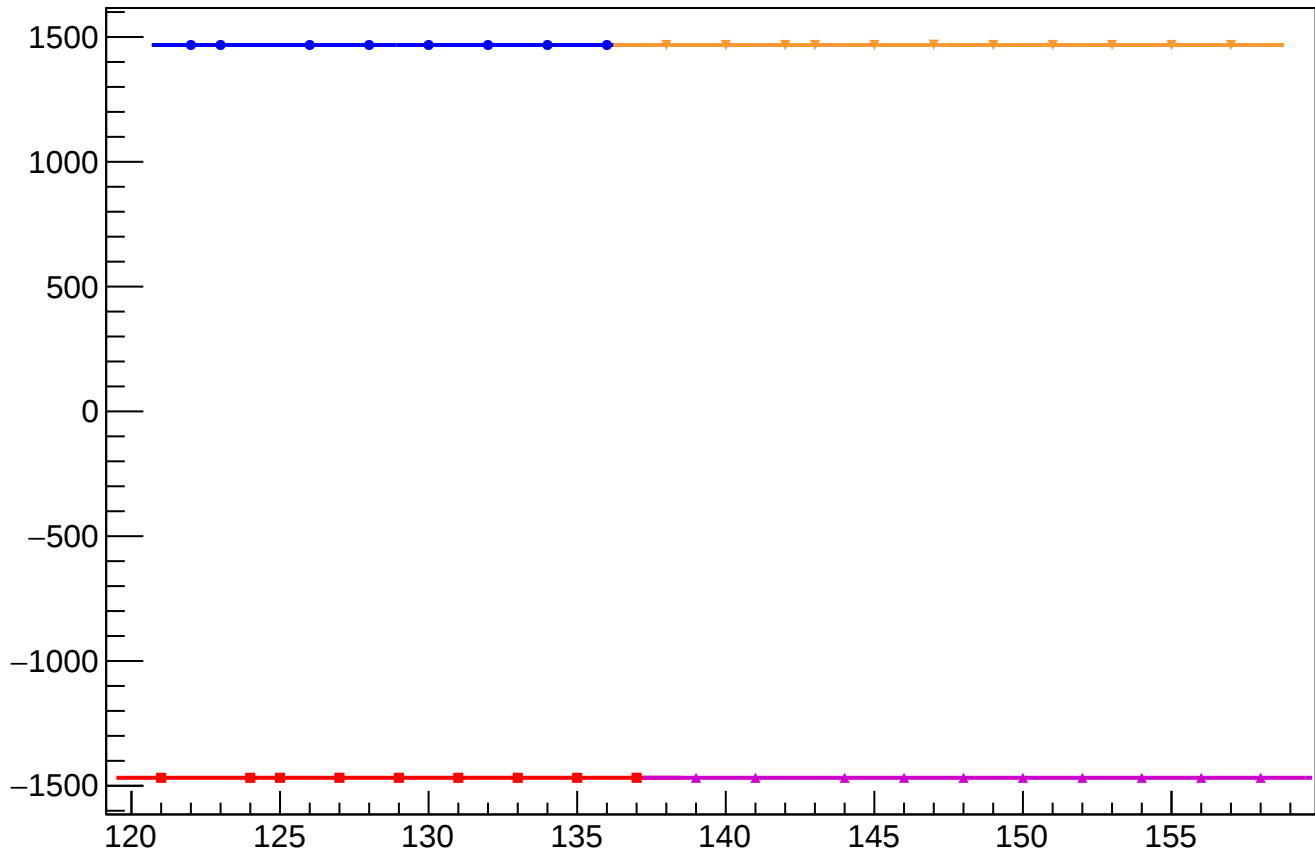
Left In: 29.641 $\pm$ 0.000 χ^2 /NDF: 39518.8/9

-29.641 $\pm$ 0.000 χ^2 /NDF: 1012064.4/18

-0.164 $\pm$ 0.000 χ^2 /NDF: 2060186338613

29.641 $\pm$ 0.000 χ^2 /NDF: 1430501.4/18

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1467.979+/-0.000 χ^2/NDF : 436234375.5/7

Left Out: 1468.110+/-0.000 χ^2/NDF : 122153489690230065868803323985920.0/10

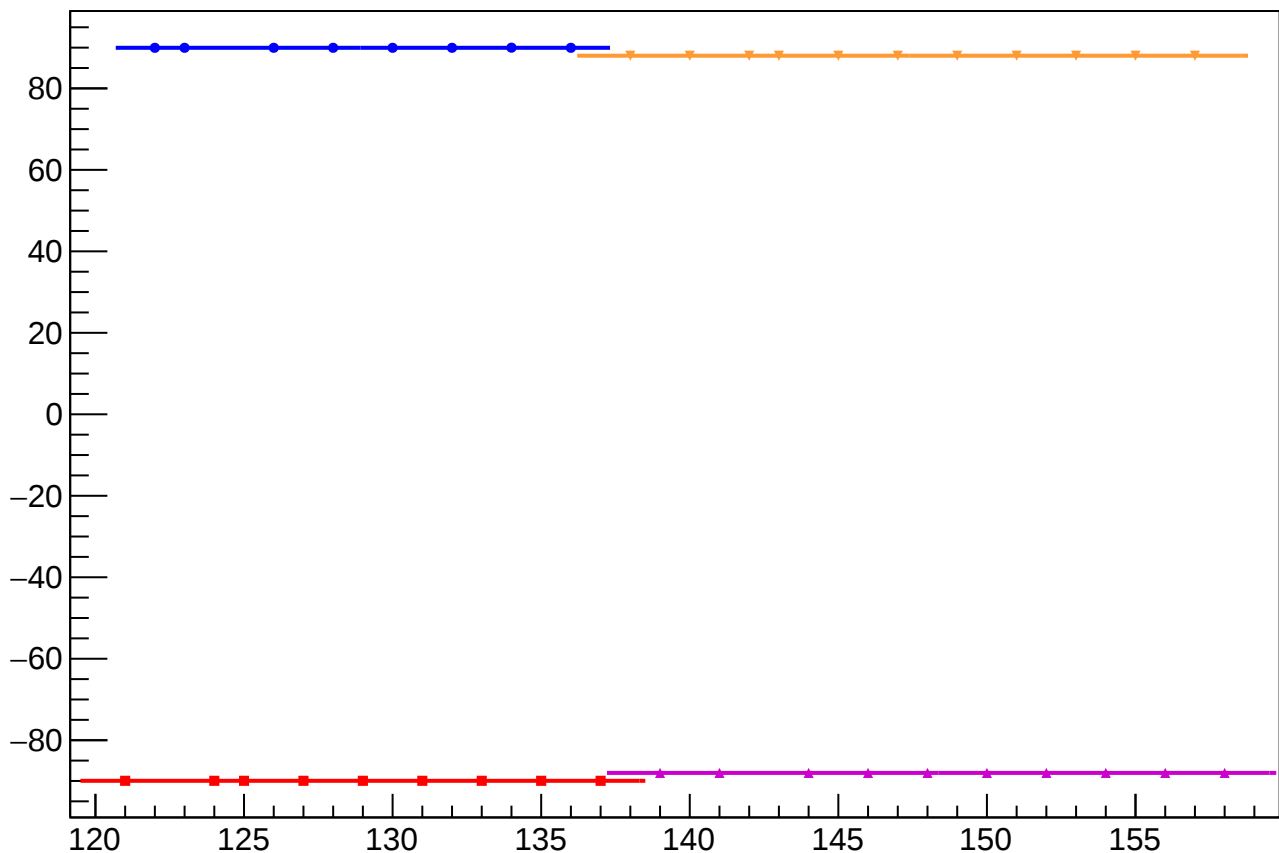
Right Out: -1467.979+/-0.000 χ^2/NDF : 83183350.3/8

8.182+/-0.000 χ^2/NDF : 50535735635140

Left In: -1467.987+/-0.000 χ^2/NDF : 81485714261969117795055566848.0/9

-1467.985+/-0.000 χ^2/NDF : 965094339263396

Phi_FG_mean vs Slug, Sign Corrected



Right In: 89.961+/-0.000 χ^2/NDF : 21528640598708602874349223936.0/7

Left Out: 88.021+/-0.000 χ^2/NDF : 2908662.7/10

Right Out: -89.959+/-0.000 χ^2/NDF : 331397.3/8

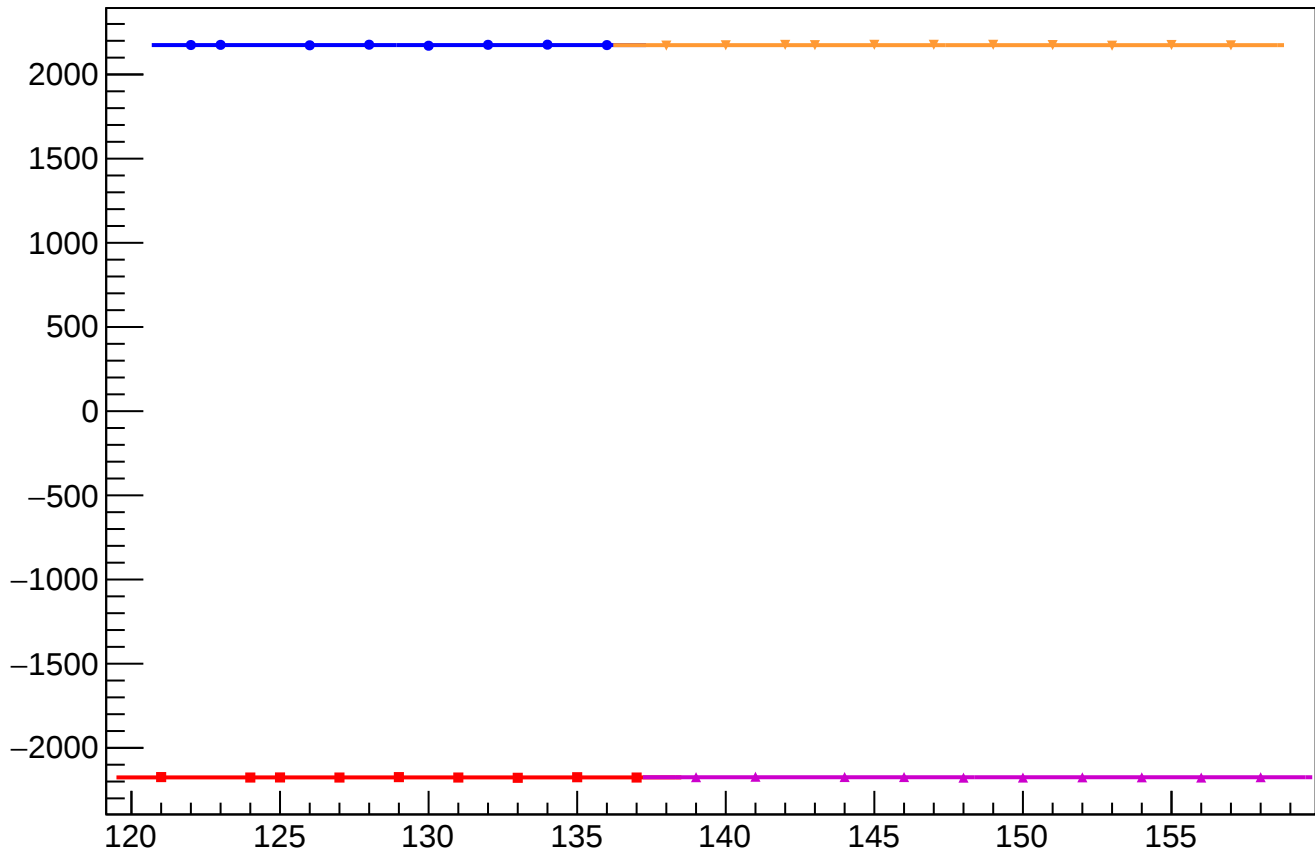
Left In: -88.021+/-0.000 χ^2/NDF : 977228.3/9

88.584+/-0.000 χ^2/NDF : 914387684263526135

0.507+/-0.000 χ^2/NDF : 18395812501193

-88.551+/-0.000 χ^2/NDF : 87086163684483844

HALLA_p_mean vs Slug, Sign Corrected



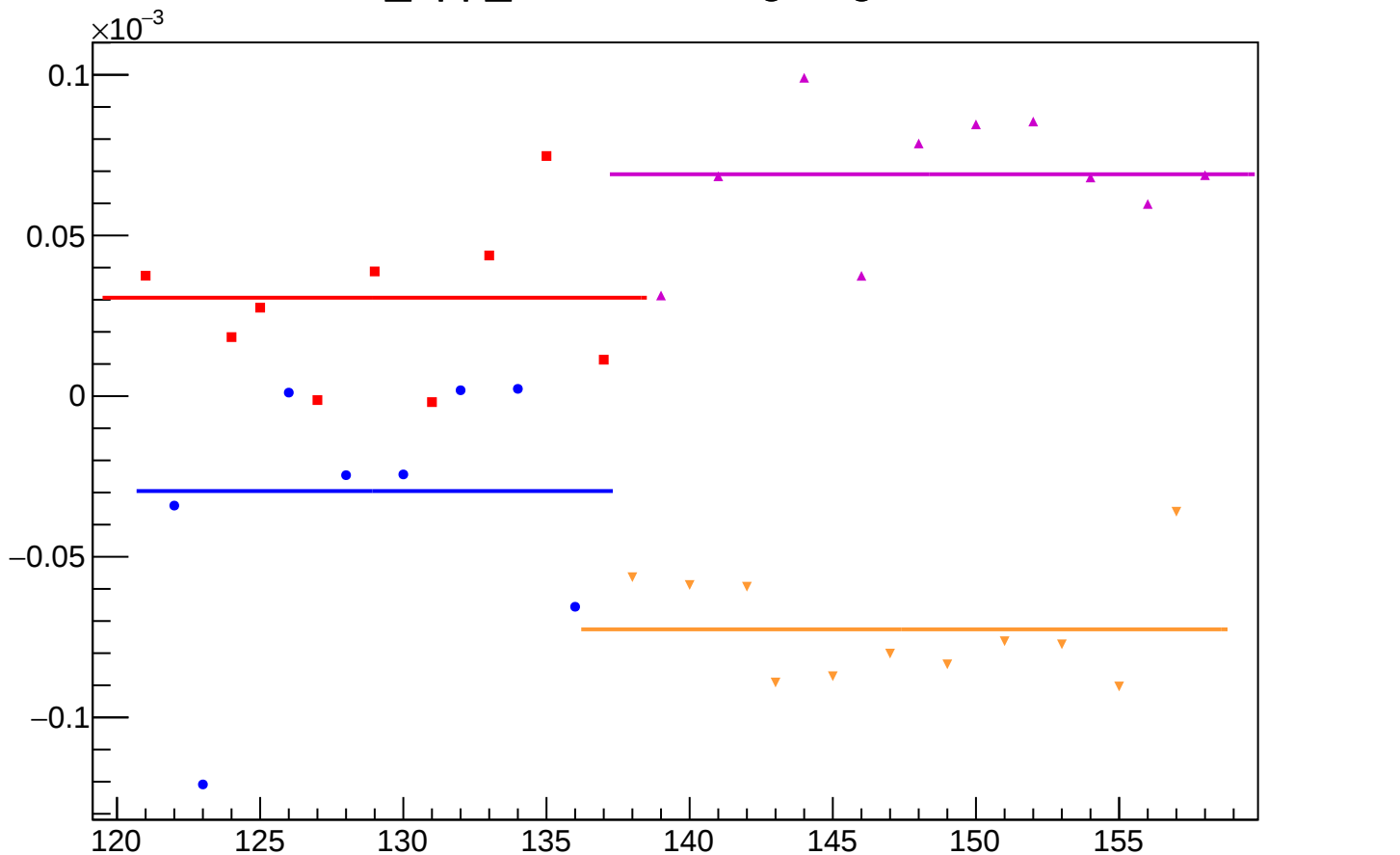
Right In: 2174.572+/-0.000 χ^2/NDF : 1360264074026849381407550448074752.0/7

Left Out: 2174.135+/-0.000 χ^2/NDF : 2823689406010660088515256987418624.0/10

Right Out: -2175.442+/-0.000 χ^2/NDF : 610778445075790556034346524868608.0/8

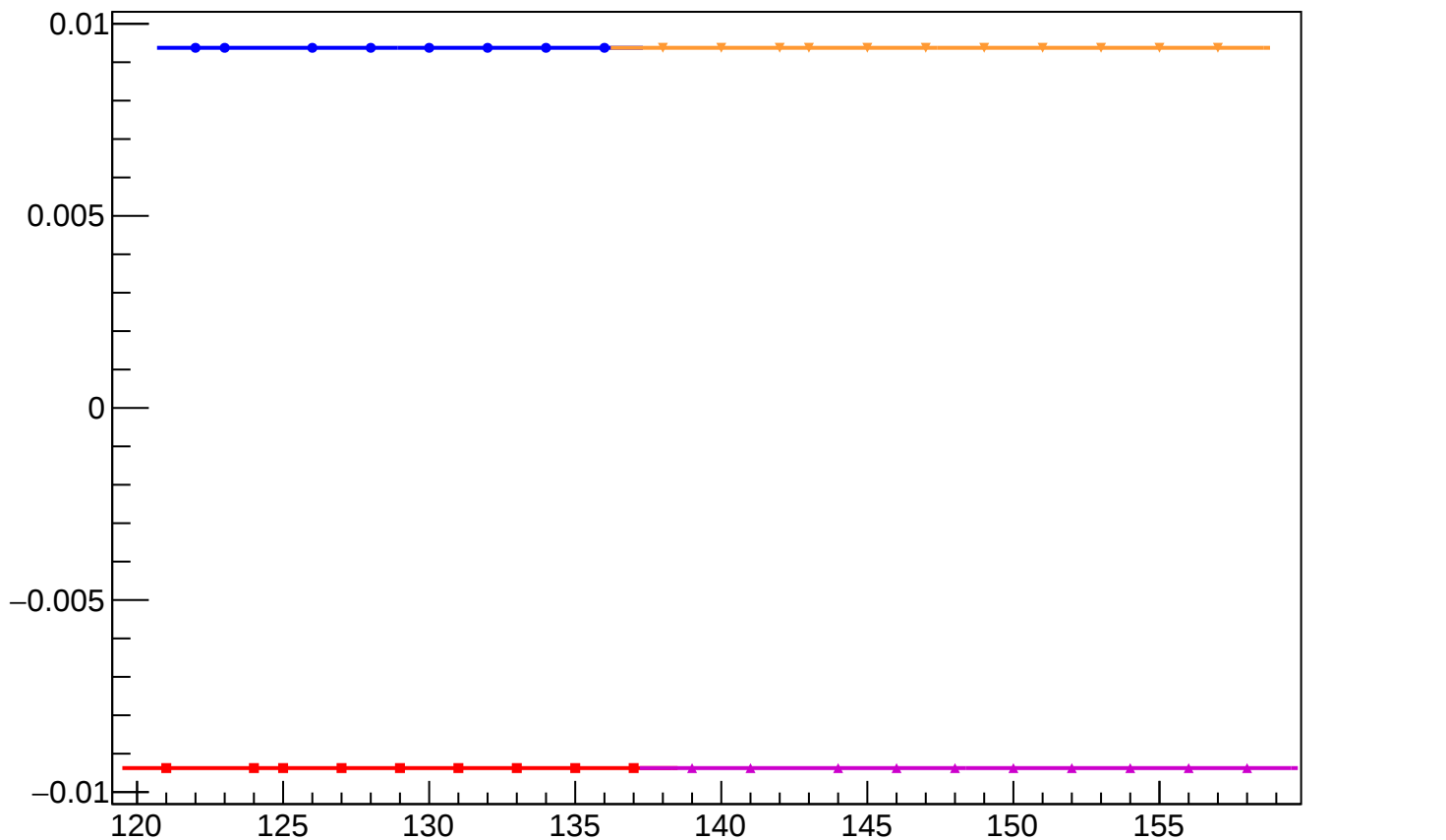
Left In: -2174.465+/-0.000 χ^2/NDF : 2186938270291196516227819182751744.0/9

HALLA_dpp_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000	χ^2/NDF : 250161267307815387529216.0/7	-0.000+/-0.000	χ^2/NDF : 928305527867585561
Left Out: -0.000+/-0.000	χ^2/NDF : 228331932441816449679360.0/10	-0.000+/-0.000	χ^2/NDF : 1004769648446
Right Out: 0.000+/-0.000	χ^2/NDF : 196732771178766734983168.0/8	0.000+/-0.000	χ^2/NDF : 8674091270795916979
Left In: 0.000+/-0.000	χ^2/NDF : 328595013267659669110784.0/9		

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/10

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

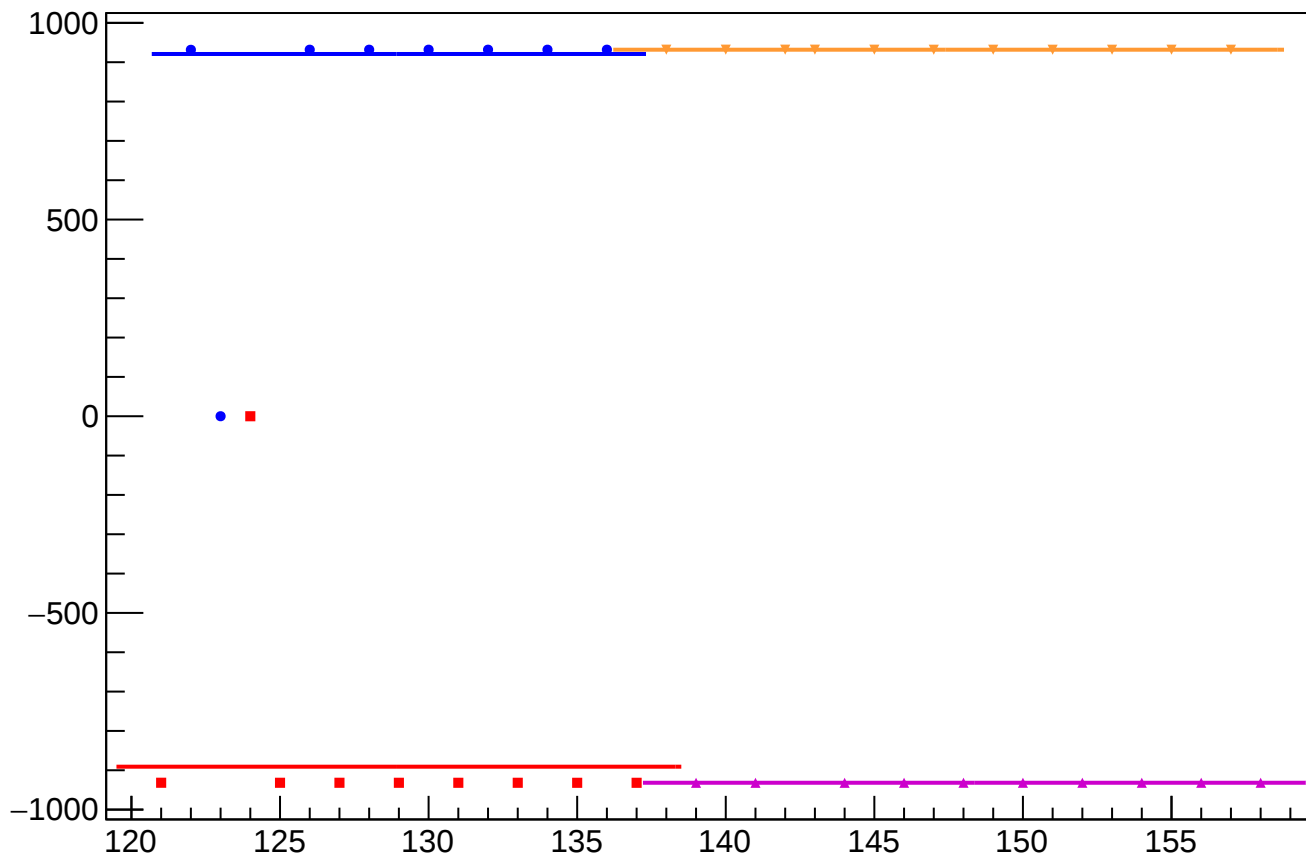
Left In: -0.009+/-0.000 χ^2/NDF : 0.0/9

0.009+/-0.000 χ^2/NDF : 0.1/18

0.000+/-0.000 χ^2/NDF : 20609718150319

-0.009+/-0.000 χ^2/NDF : 0.1/18

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



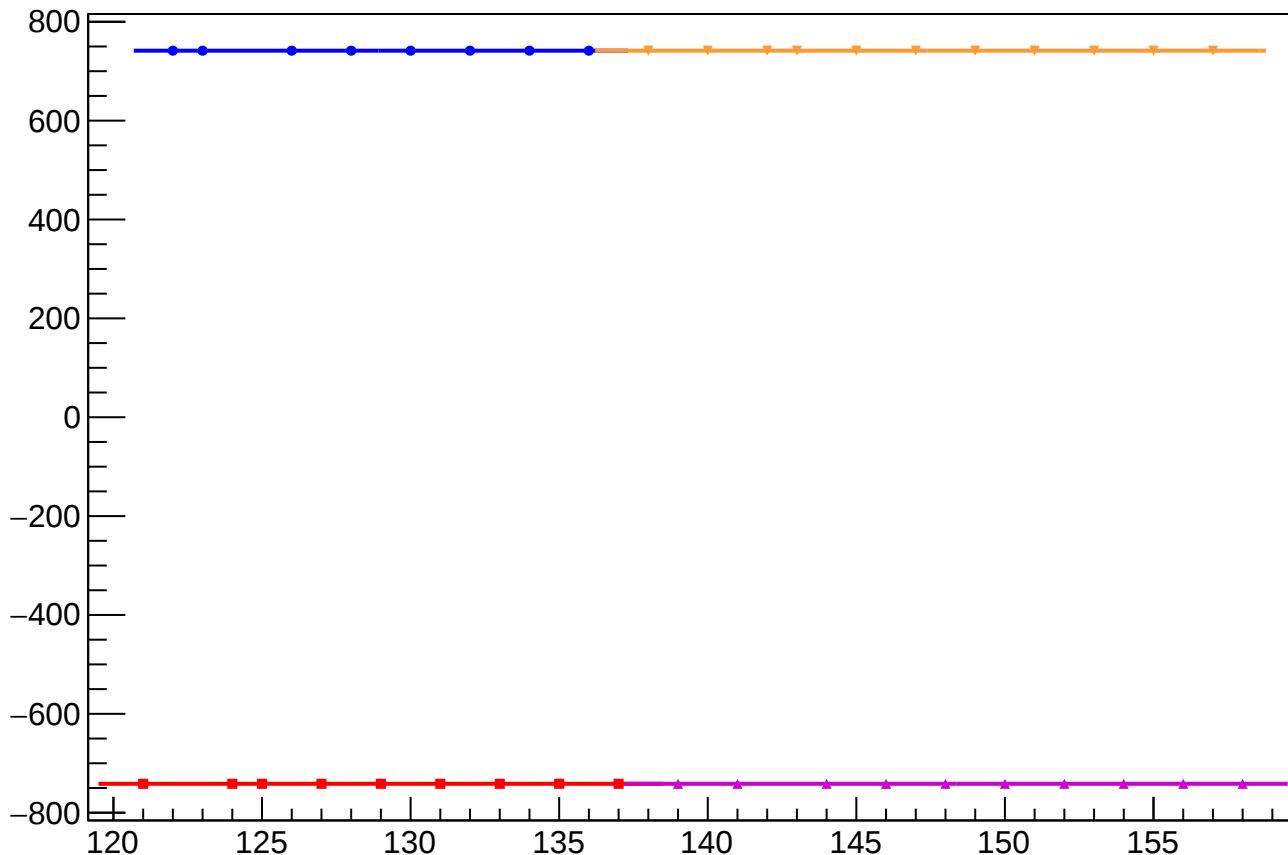
Right In: 920.898+/-0.000 χ^2/NDF : 3432128841951899861299566212080992256.0/7

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, Sign Corrected



Right In: 741.528+/-0.000 χ^2/NDF : 18896144326732419810052800512.0/7

Left Out: 741.520+/-0.000 χ^2/NDF : 8754568544895062957478222336.0/10

Right Out: -741.529+/-0.000 χ^2/NDF : 16580353917842624420385914880.0/8

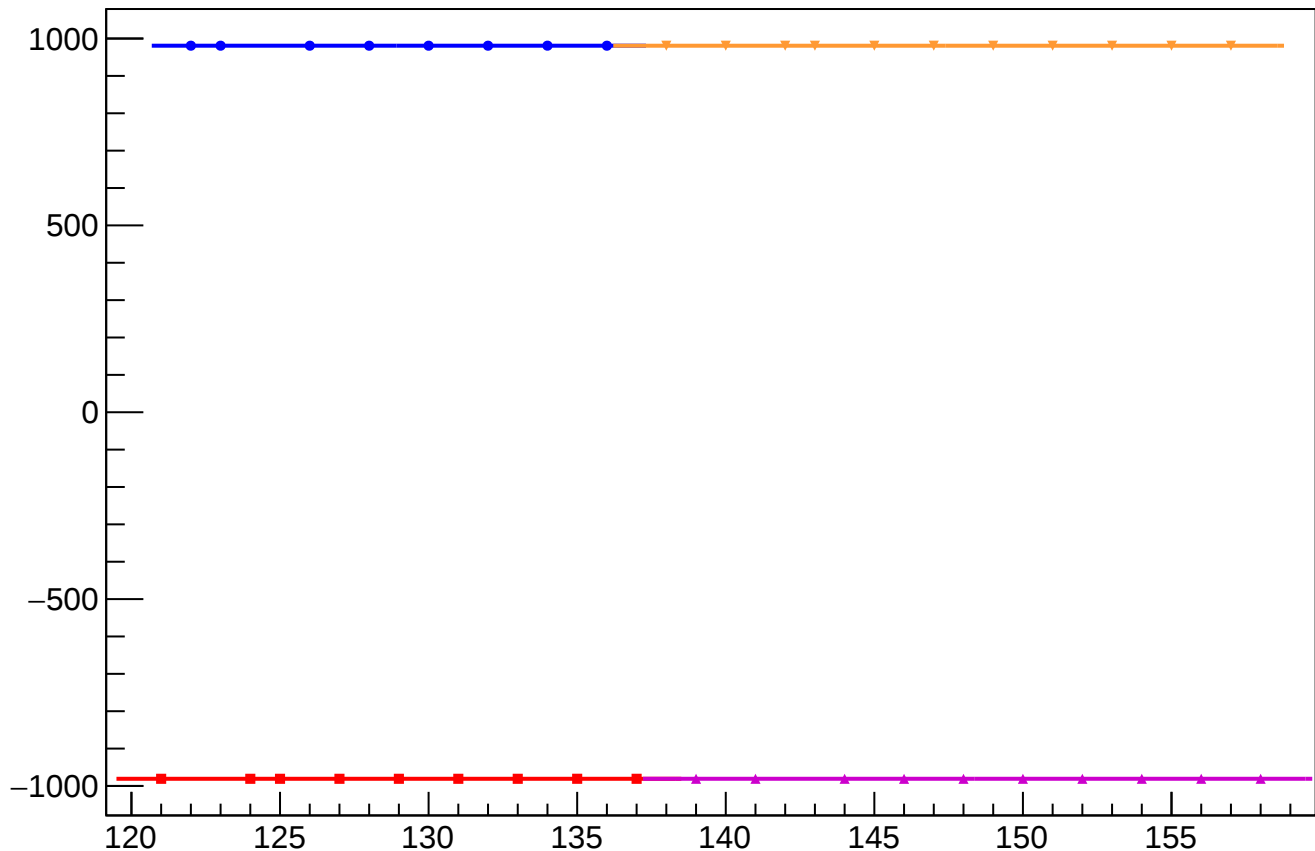
Left In: -741.519+/-0.000 χ^2/NDF : 84372652192634558969825722368.0/9

741.522+/-0.000 χ^2/NDF : 12160079684183545

4.111+/-0.000 χ^2/NDF : 12893688634214

-741.521+/-0.000 χ^2/NDF : 1235556355120927

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



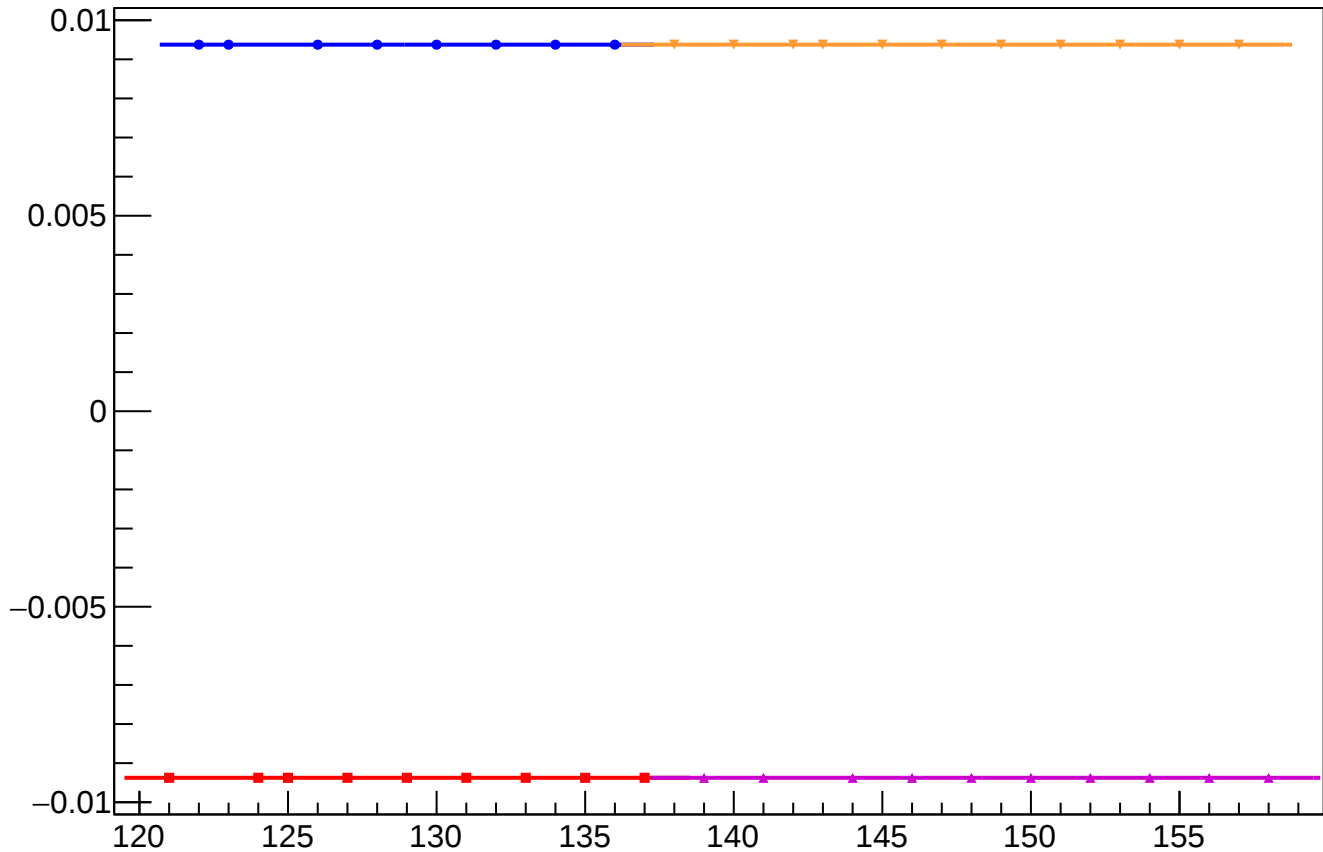
Right In: 980.825+/-0.000 χ^2/NDF : 159345321268745350954763681792.0/7

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

MQ172RM_mean vs Slug, Sign Corrected



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

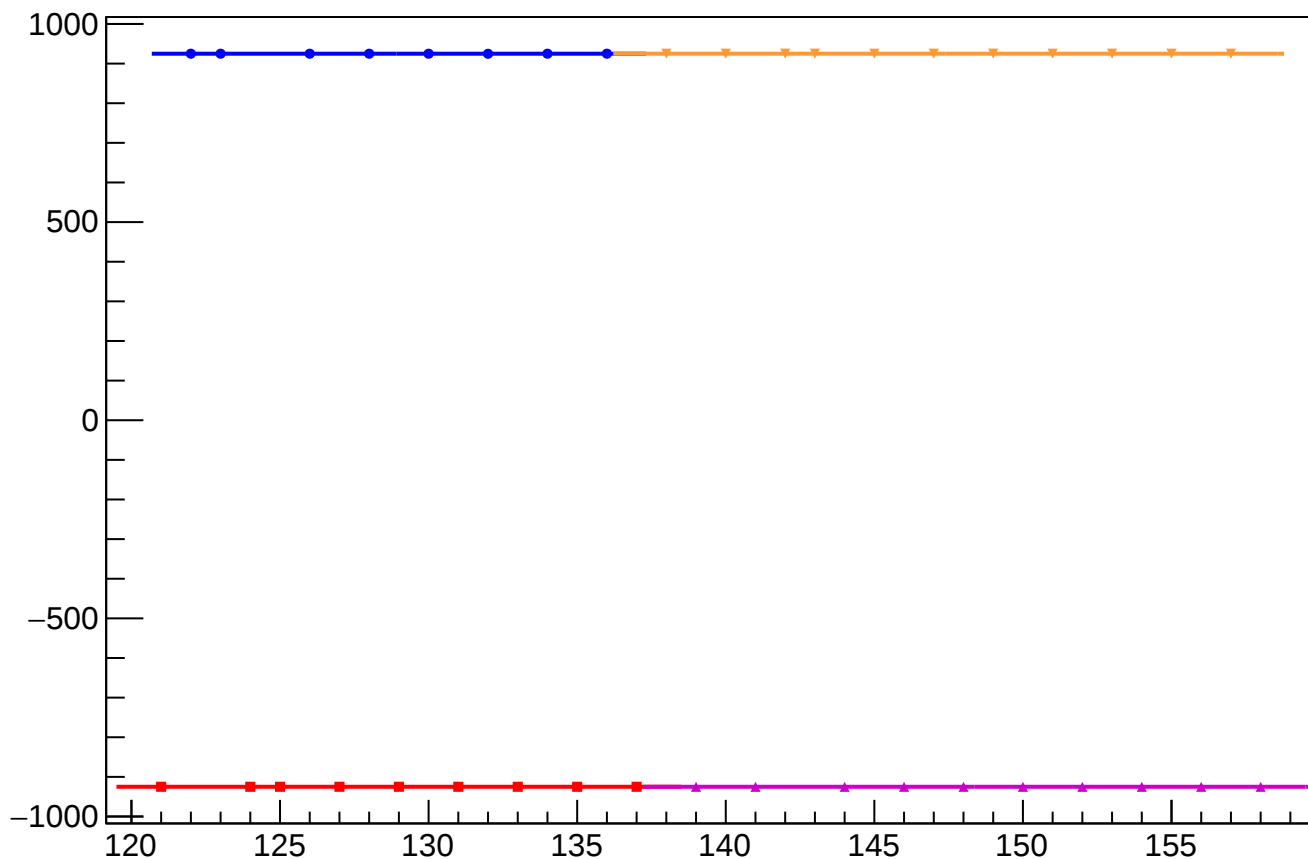
Left In: -0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/9

0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/18

0.000 $\pm$ 0.000 χ^2 /NDF: 20609718150319

-0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/18

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



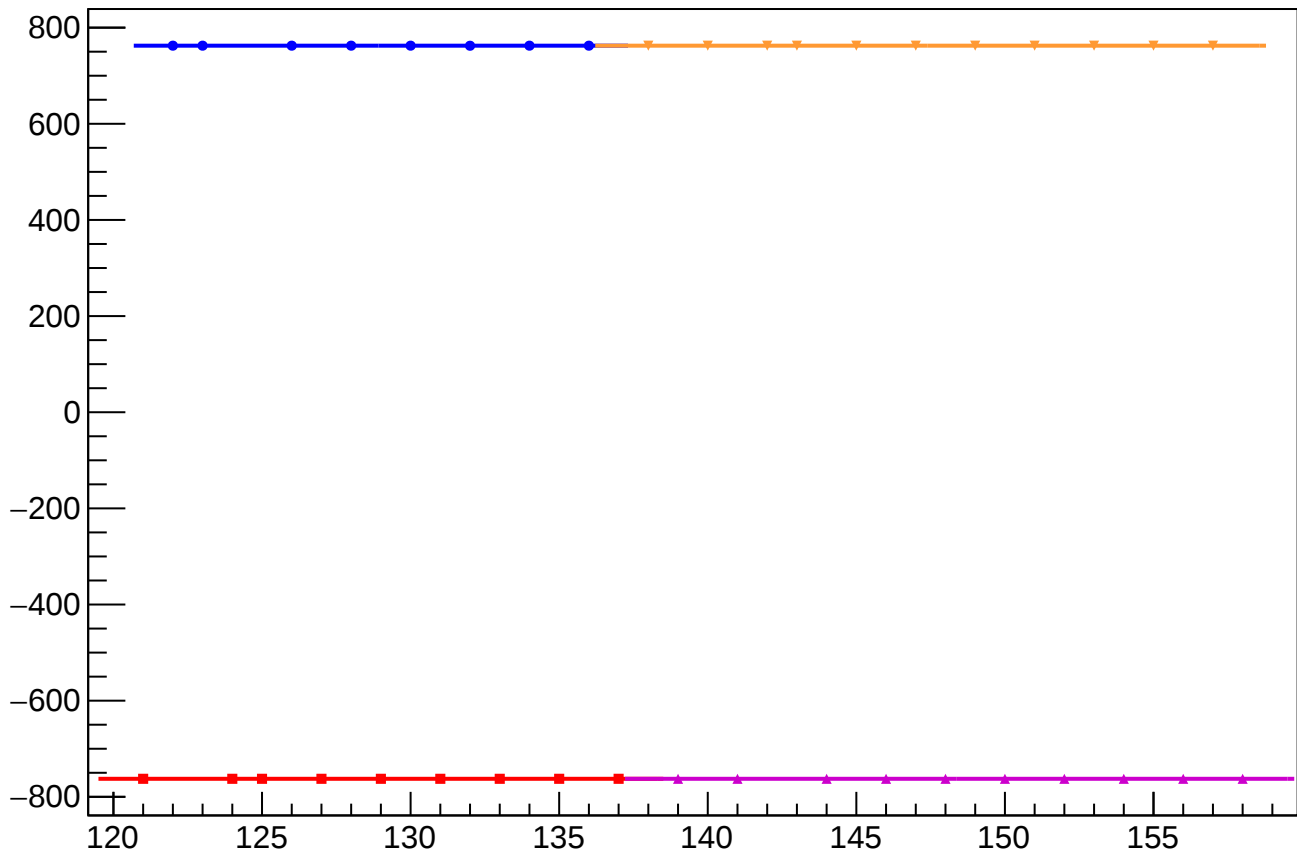
Right In: 924.939+/-0.000 χ^2/NDF : 1401458495809517406218388242432.0/7

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

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 762.484+/-0.000 χ^2/NDF : 784430761251084401798891438080.0/7

Left Out: 762.499+/-0.000 χ^2/NDF : 75720036202752743518121230336.0/10

Right Out: -762.501+/-0.000 χ^2/NDF : 469794702848036819563446272.0/8

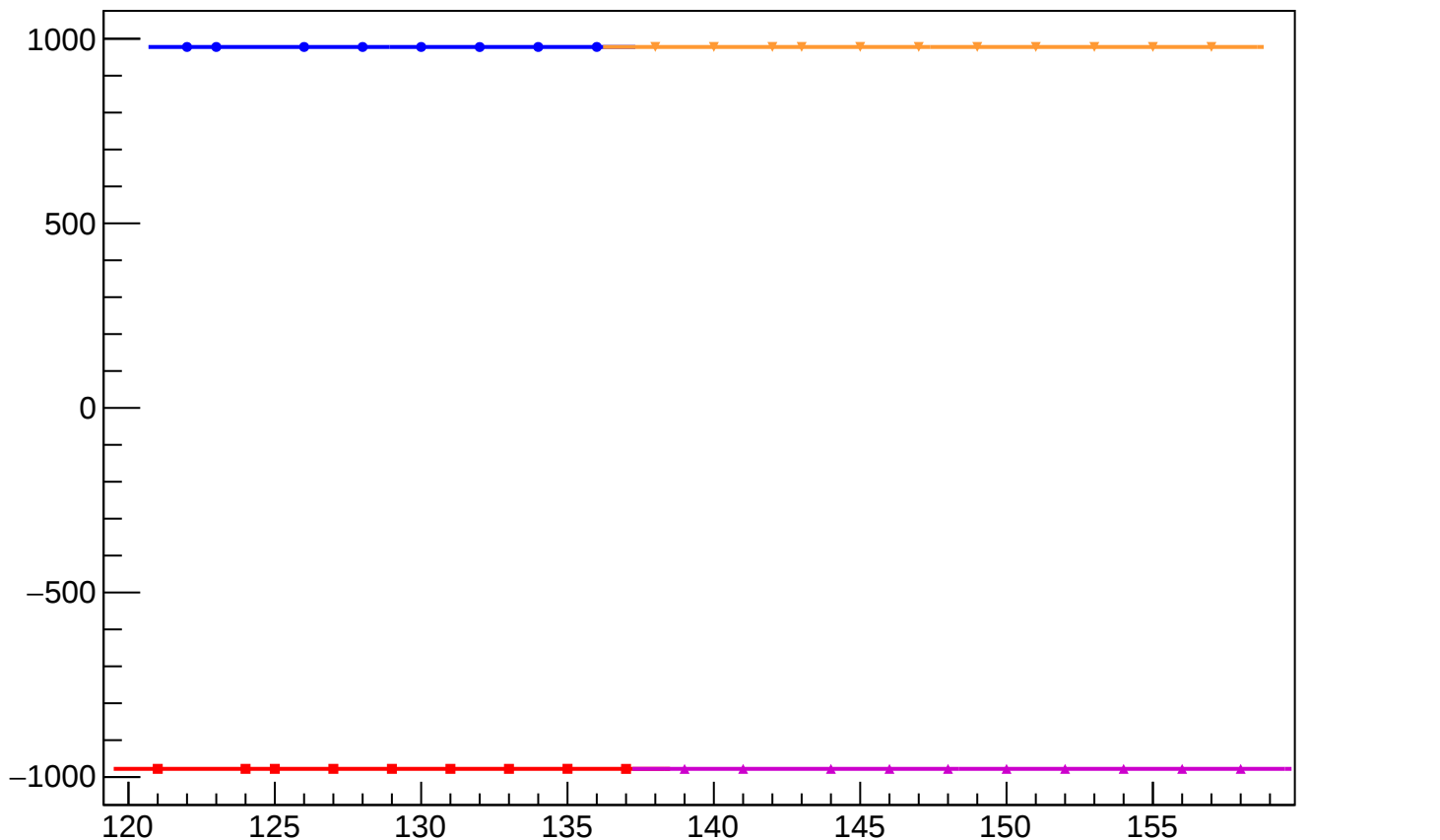
Left In: -762.501+/-0.000 χ^2/NDF : 60521561148140970186807181312.0/9

762.495+/-0.000 χ^2/NDF : 91912461538579225

4.224+/-0.000 χ^2/NDF : 13633486402885

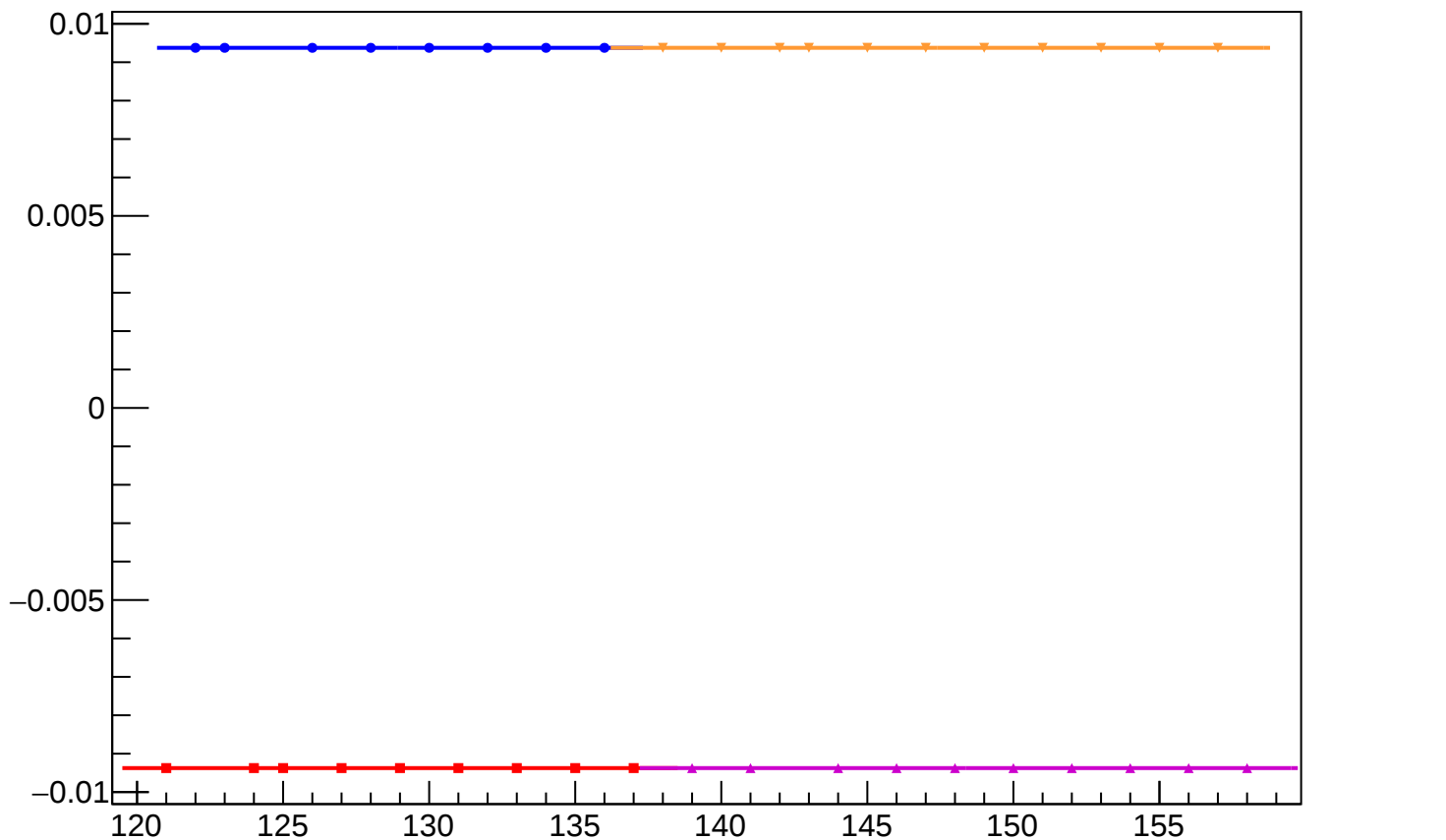
-762.501+/-0.000 χ^2/NDF : 6100502153616345

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



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, Sign Corrected



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

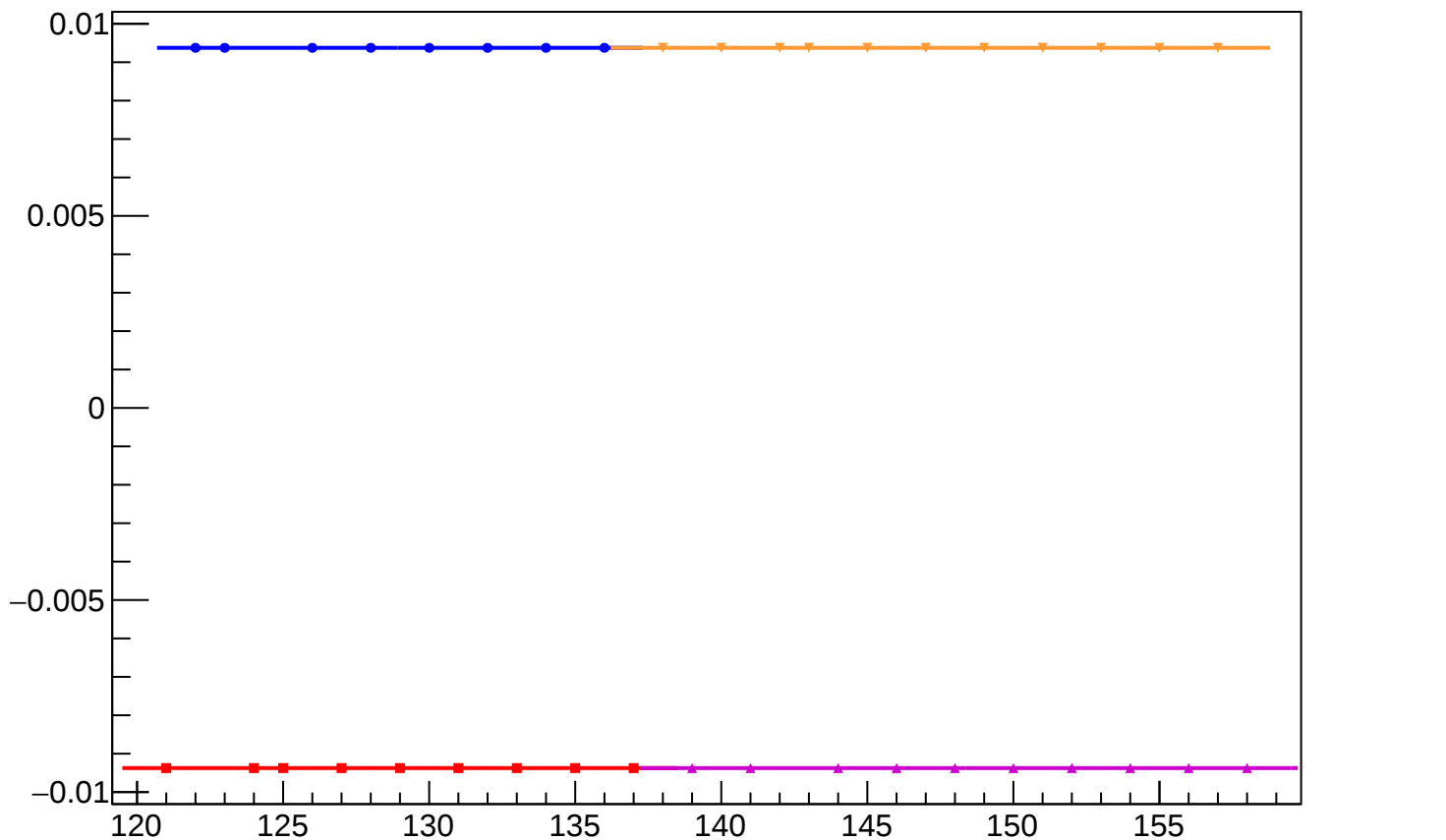
Left In: -0.009 $\pm$ 0.000 χ^2/NDF : 0.0/9

0.009 $\pm$ 0.000 χ^2/NDF : 0.1/18

0.000 $\pm$ 0.000 χ^2/NDF : 20609718150319

-0.009 $\pm$ 0.000 χ^2/NDF : 0.1/18

MSUPERBIGBITereadcalc_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/10

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

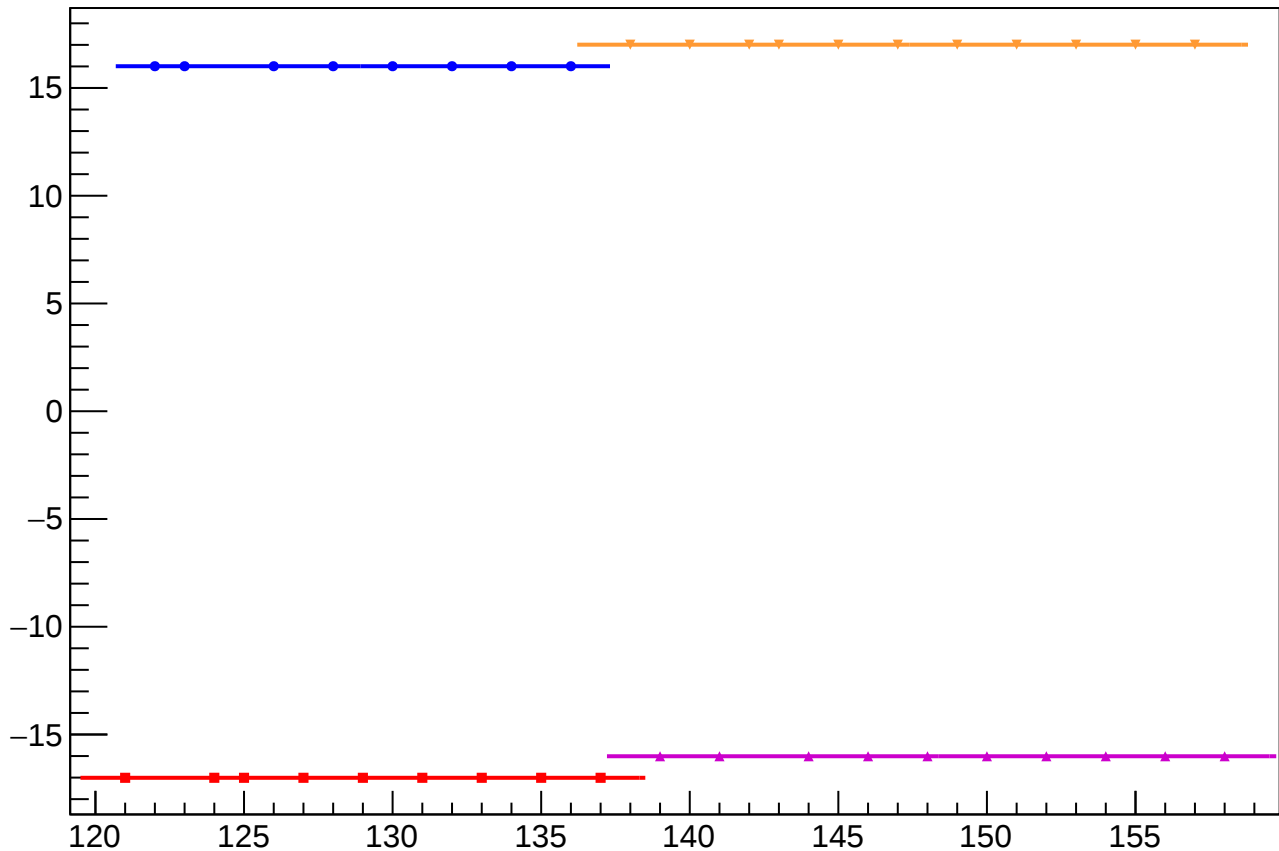
Left In: -0.009+/-0.000 χ^2/NDF : 0.0/9

0.009+/-0.000 χ^2/NDF : 0.1/18

0.000+/-0.000 χ^2/NDF : 20609718150319

-0.009+/-0.000 χ^2/NDF : 0.1/18

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF : 30506.8/7

Left Out: 17.009+/-0.000 χ^2/NDF : 10172081769806569953820672.0/10

Right Out: -17.009+/-0.000 χ^2/NDF : 8333578329558812540796928.0/8

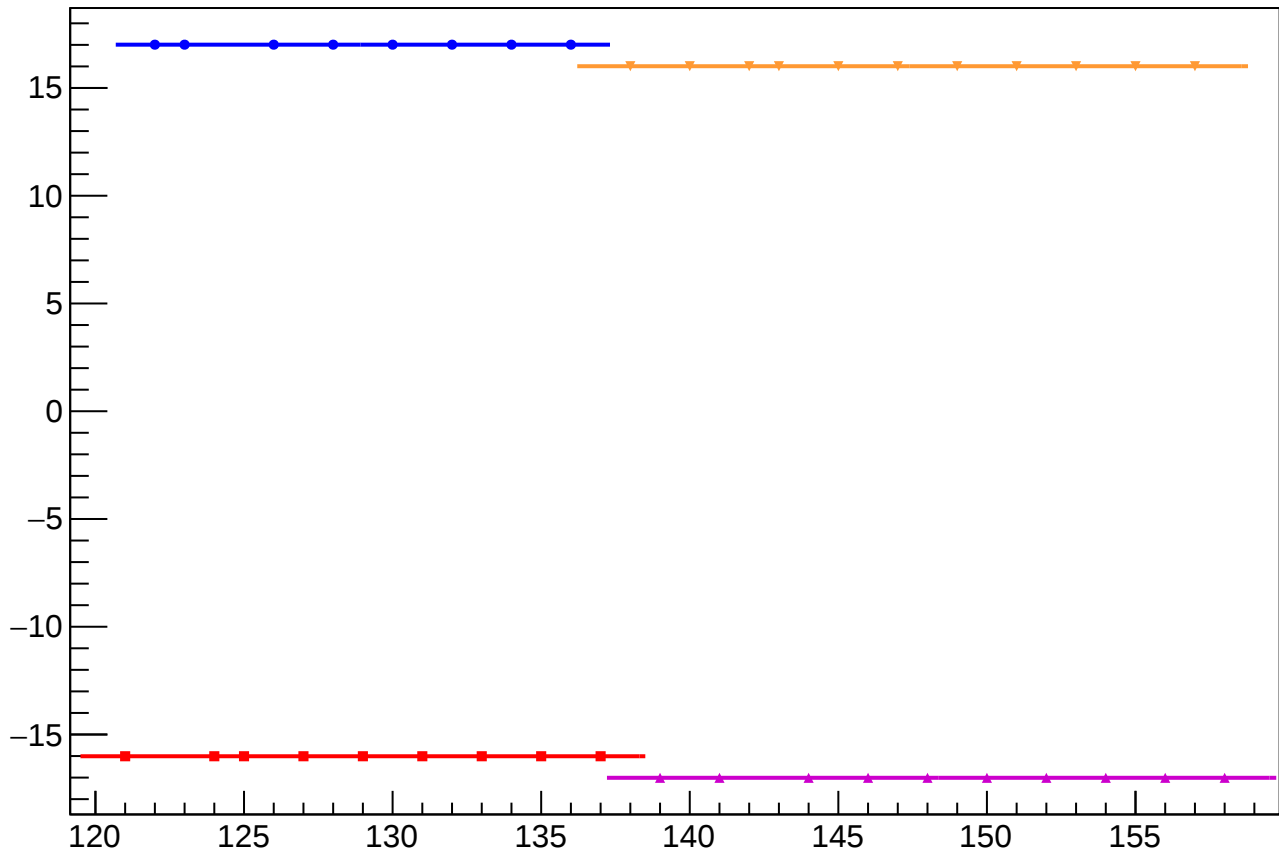
Left In: -16.009+/-0.000 χ^2/NDF : 28714.5/9

16.711+/-0.000 χ^2/NDF : 22181522536995968

-0.069+/-0.000 χ^2/NDF : 58790681093409

-16.284+/-0.000 χ^2/NDF : 21887735746840464

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF : 76109.3/7

Left Out: 16.009+/-0.000 χ^2/NDF : 27932.0/10

Right Out: -16.009+/-0.000 χ^2/NDF : 17859.8/8

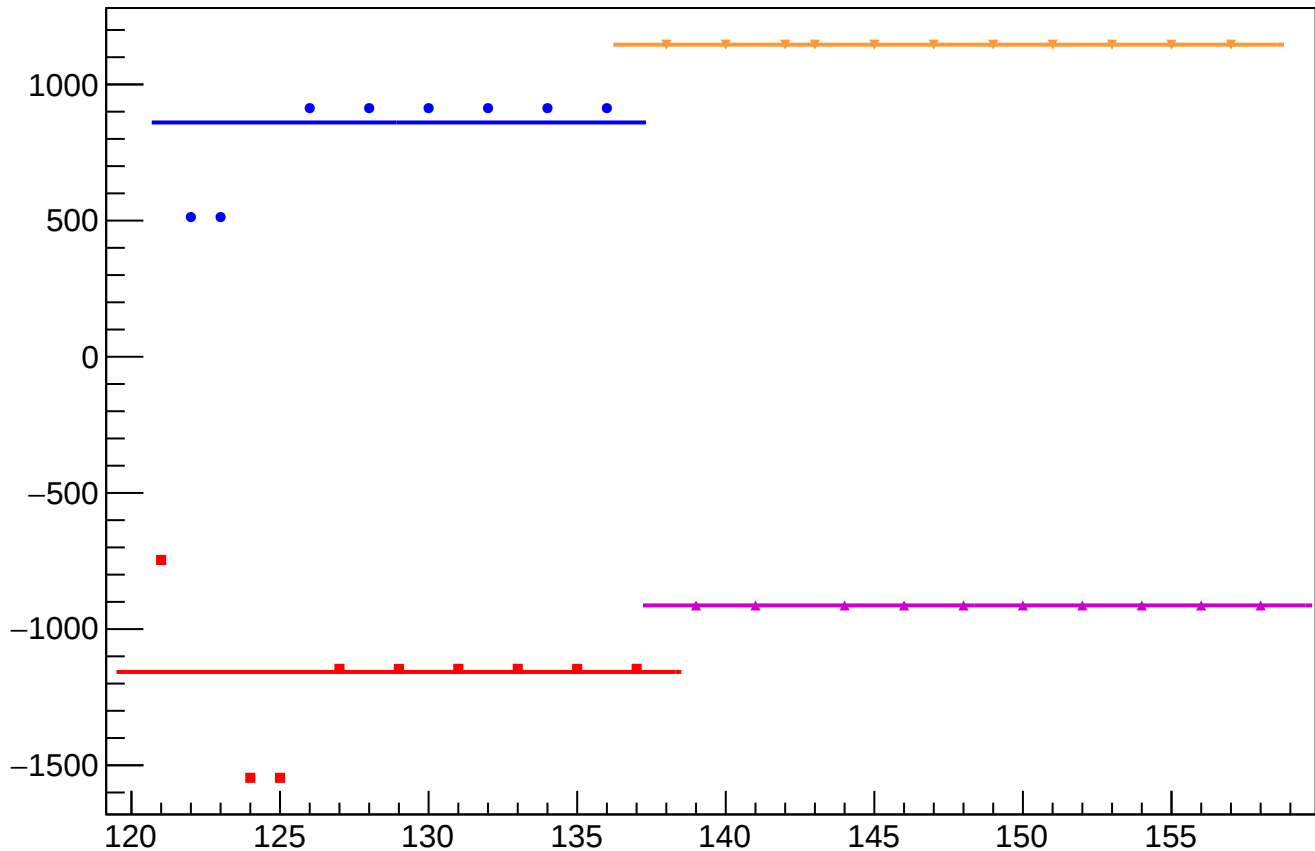
Left In: -17.009+/-0.000 χ^2/NDF : 6942.0/9

16.301+/-0.000 χ^2/NDF : 242116140051233590

-0.182+/-0.000 χ^2/NDF : 6381553269388

-16.736+/-0.000 χ^2/NDF : 23172641509431776

RTPAPOSUCNT_mean vs Slug, Sign Corrected



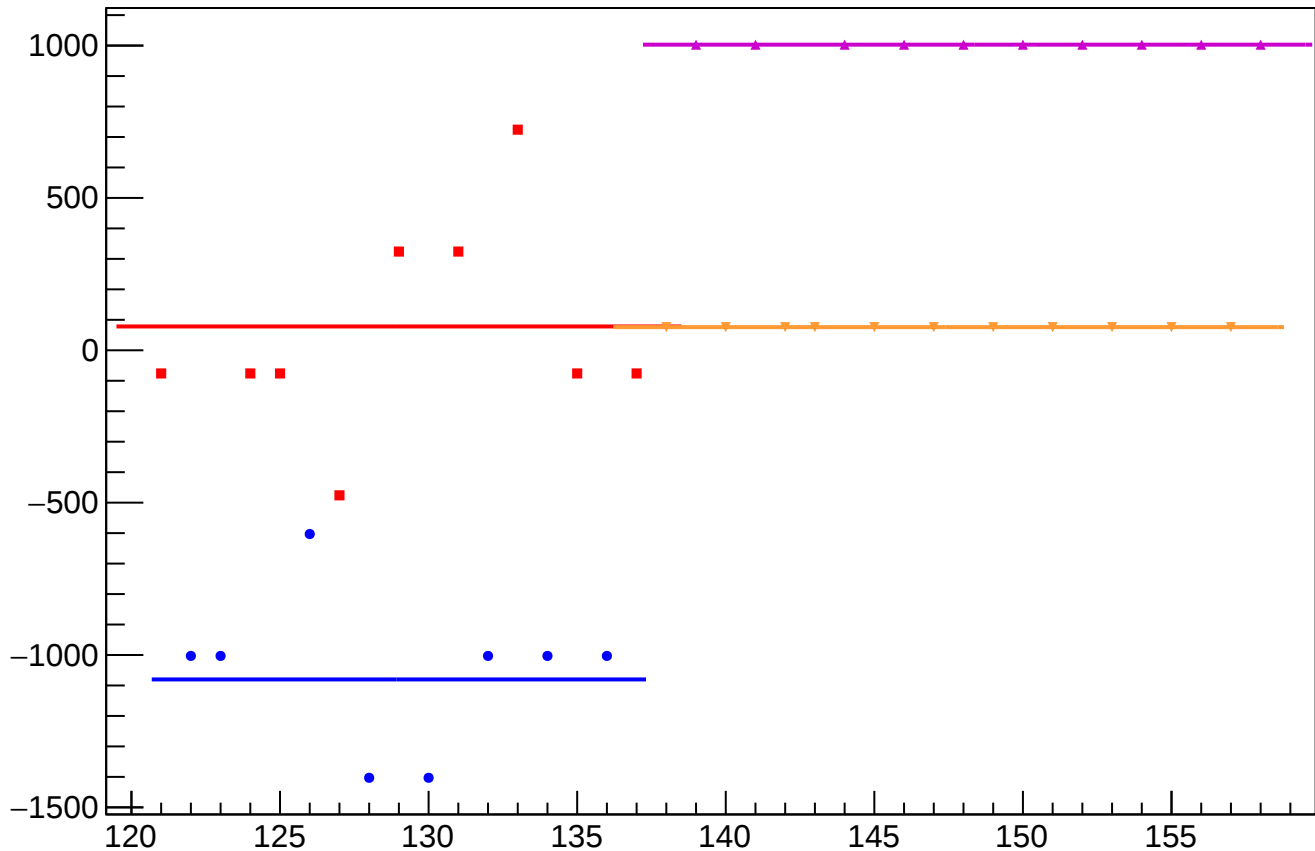
Right In: 860.361+/-0.000 χ^2/NDF : 6252693455178703850651720460594577408.0/7

Left Out: 1146.011+/-0.000 χ^2/NDF : 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, Sign Corrected



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