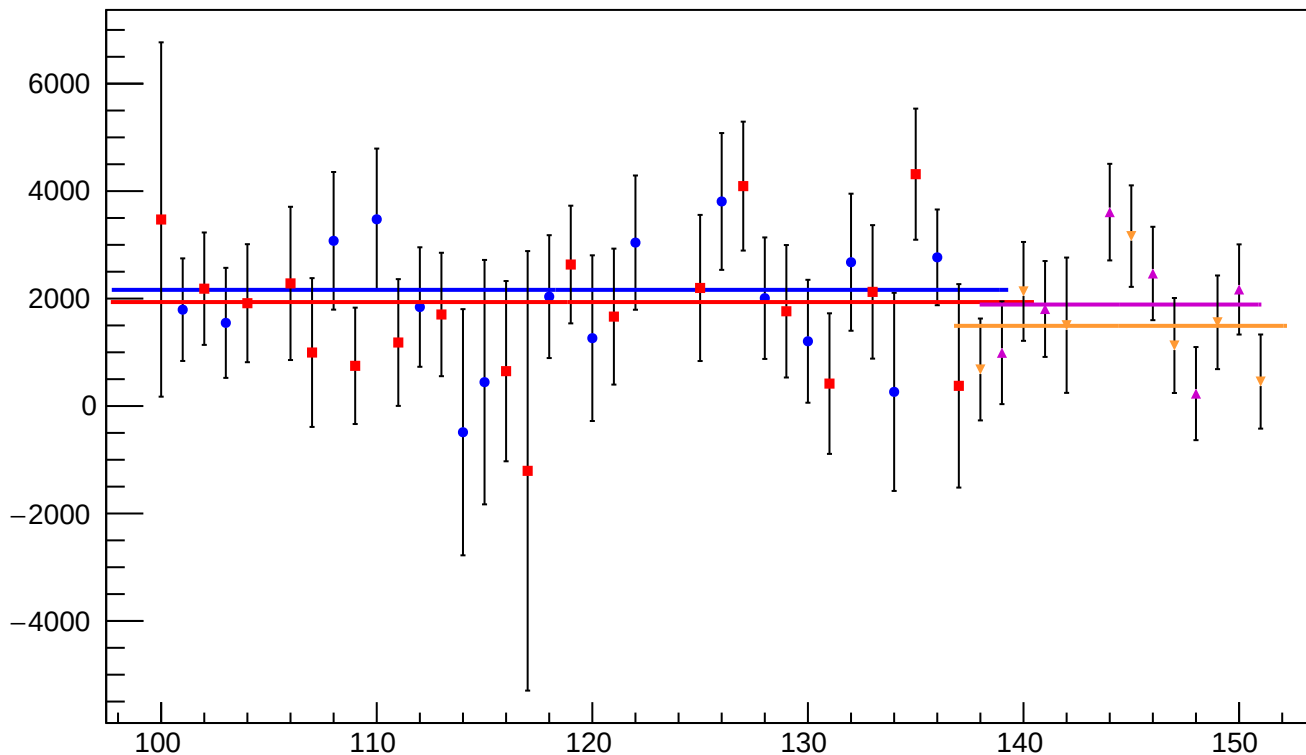


reg_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2162.311+/-307.312

χ^2/NDF : 8.9/15

Left Out: 1492.540+/-354.784

χ^2/NDF : 5.9/6

Right Out: 1935.183+/-299.773

χ^2/NDF : 13.2/18

Left In: 1888.977+/-361.201

χ^2/NDF : 8.8/5

1875.202+/-232.286

χ^2/NDF : 16.9/22

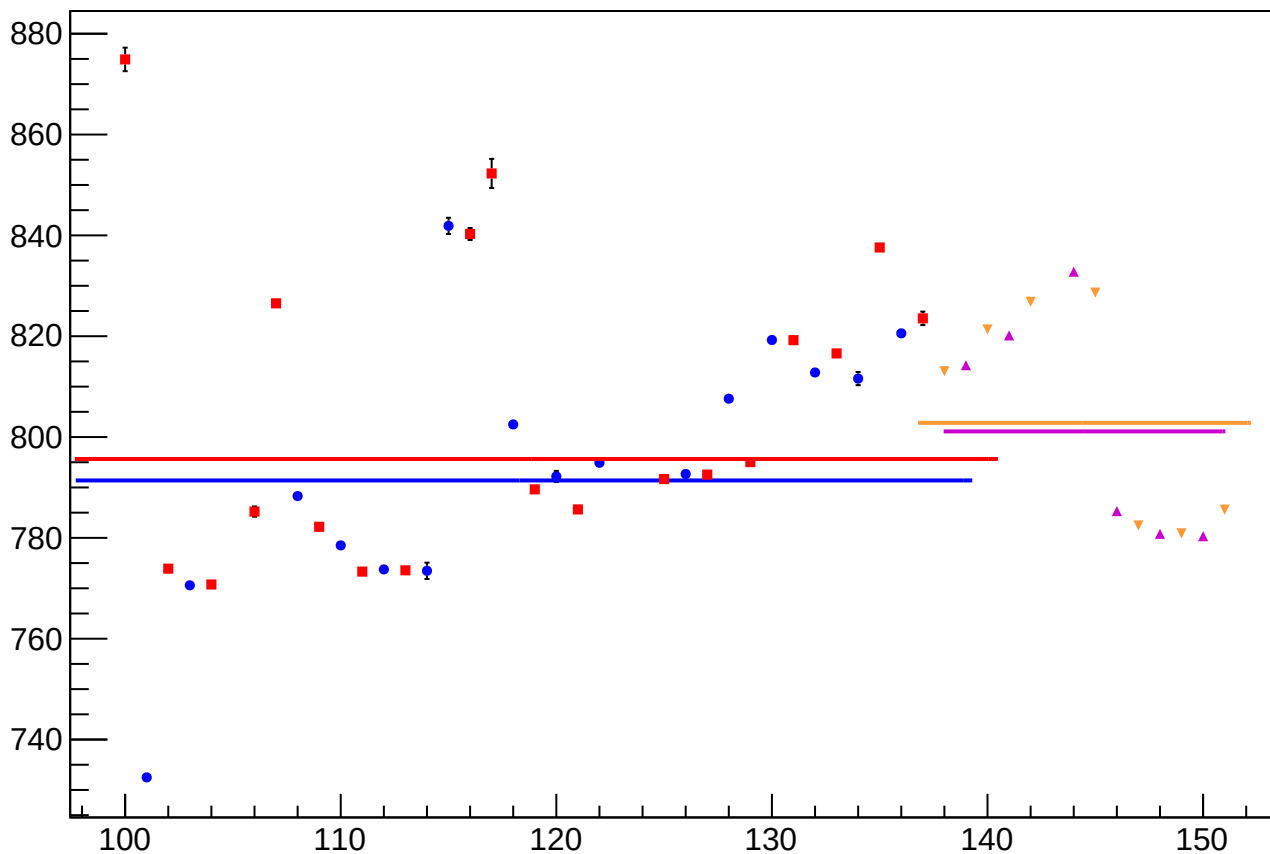
1895.913+/-163.679

χ^2/NDF : 38.9/47

1916.337+/-230.677

χ^2/NDF : 22.0/24

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 802.816+/-0.251 χ^2/NDF : 6364.4/6

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

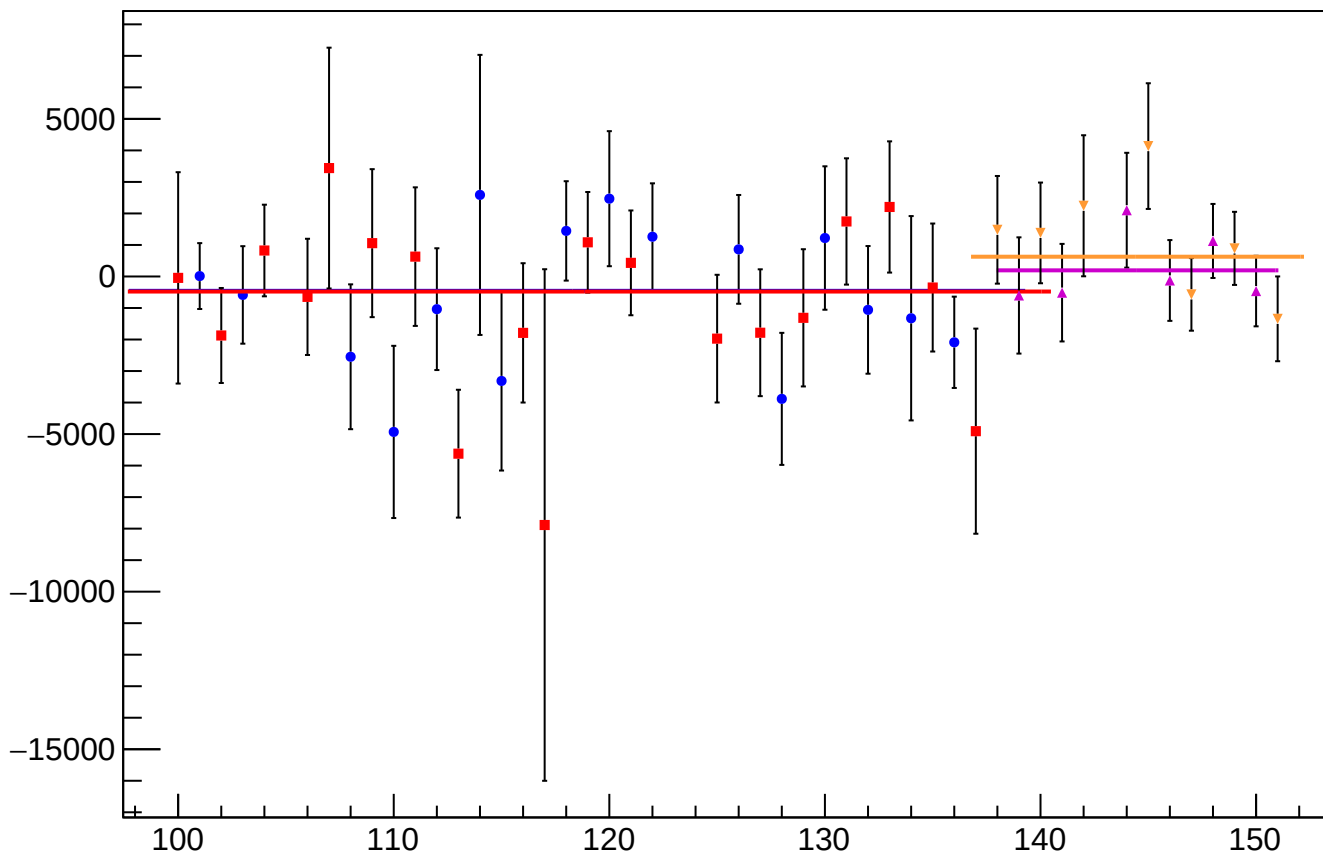
Left In: 801.117+/-0.255 χ^2/NDF : 6759.8/5

796.288+/-0.164 χ^2/NDF : 22557.7/22

797.090+/-0.116 χ^2/NDF : 41581.4/47

797.880+/-0.163 χ^2/NDF : 18976.4/24

asym_us_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 627.385+/-555.906 χ^2/NDF : 7.4/6

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

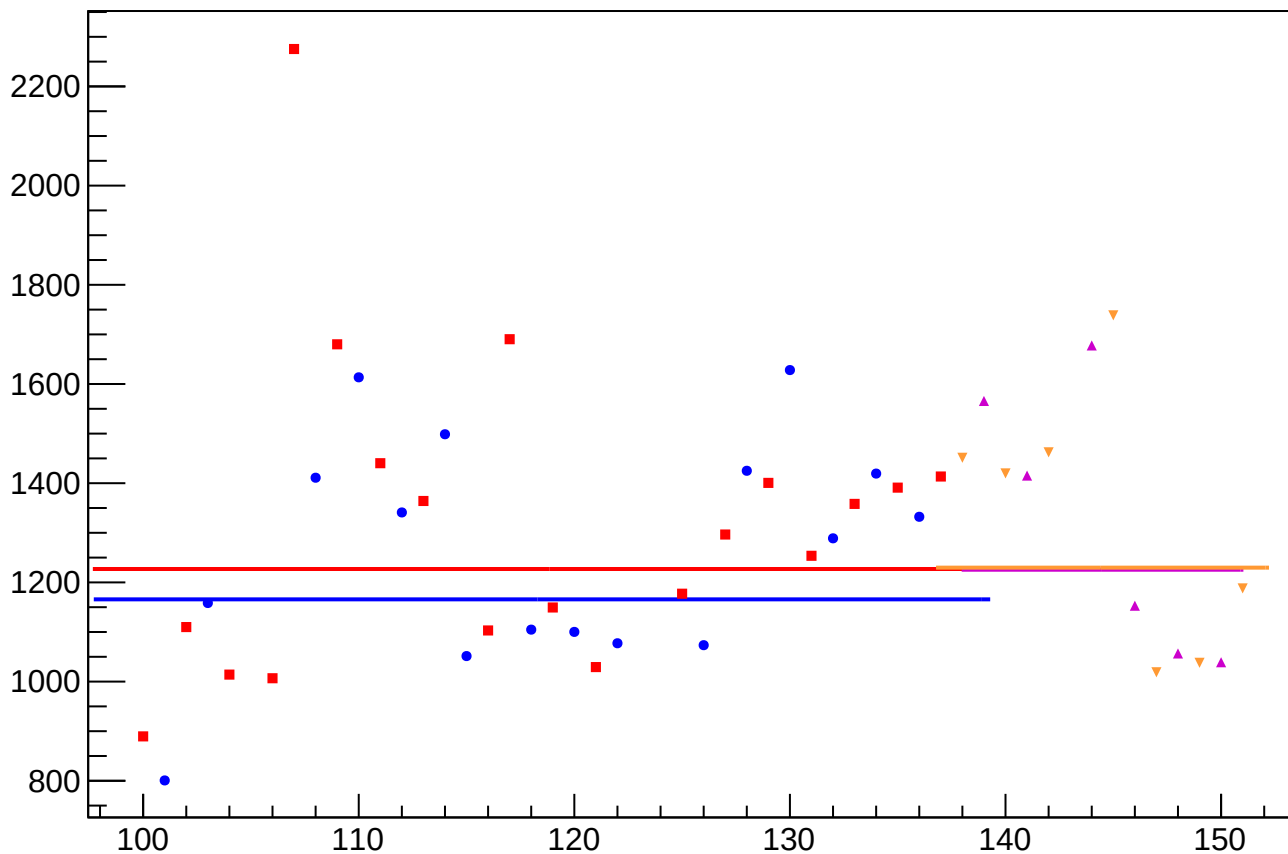
Left In: 194.635+/-563.869 χ^2/NDF : 2.5/5

-10.694+/-356.325 χ^2/NDF : 24.5/22

-104.253+/-253.913 χ^2/NDF : 46.1/47

-200.770+/-361.916 χ^2/NDF : 21.5/24

asym_us_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1229.746 $\pm$ 0.393 χ^2 /NDF: 337460.7/6

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

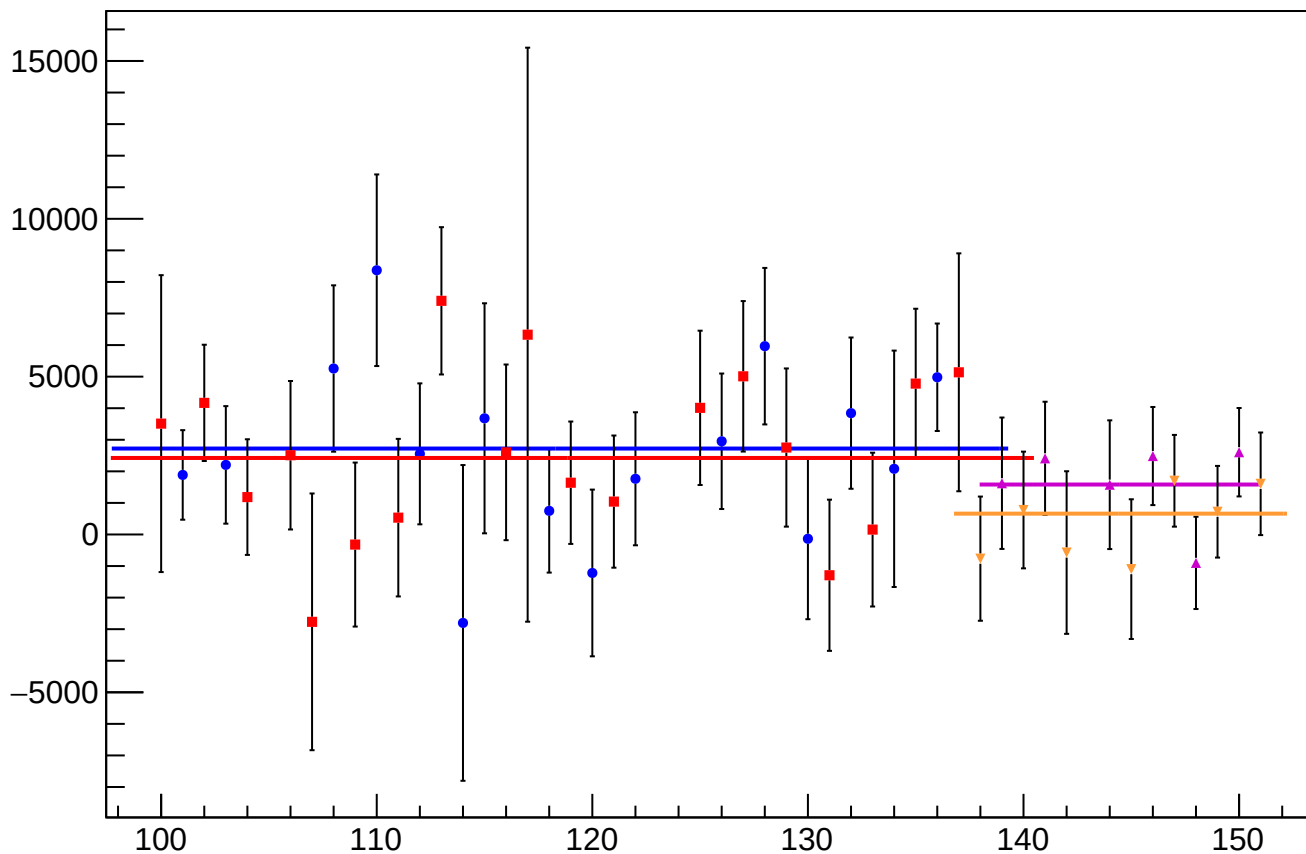
Left In: 1225.563 $\pm$ 0.399 χ^2 /NDF: 324693.2/5

1192.079 $\pm$ 0.252 χ^2 /NDF: 879847.0/22

1208.982 $\pm$ 0.180 χ^2 /NDF: 1660652.7/47

1226.420 $\pm$ 0.256 χ^2 /NDF: 771662.2/24

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 659.922+/-669.272 χ^2/NDF : 2.2/6

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

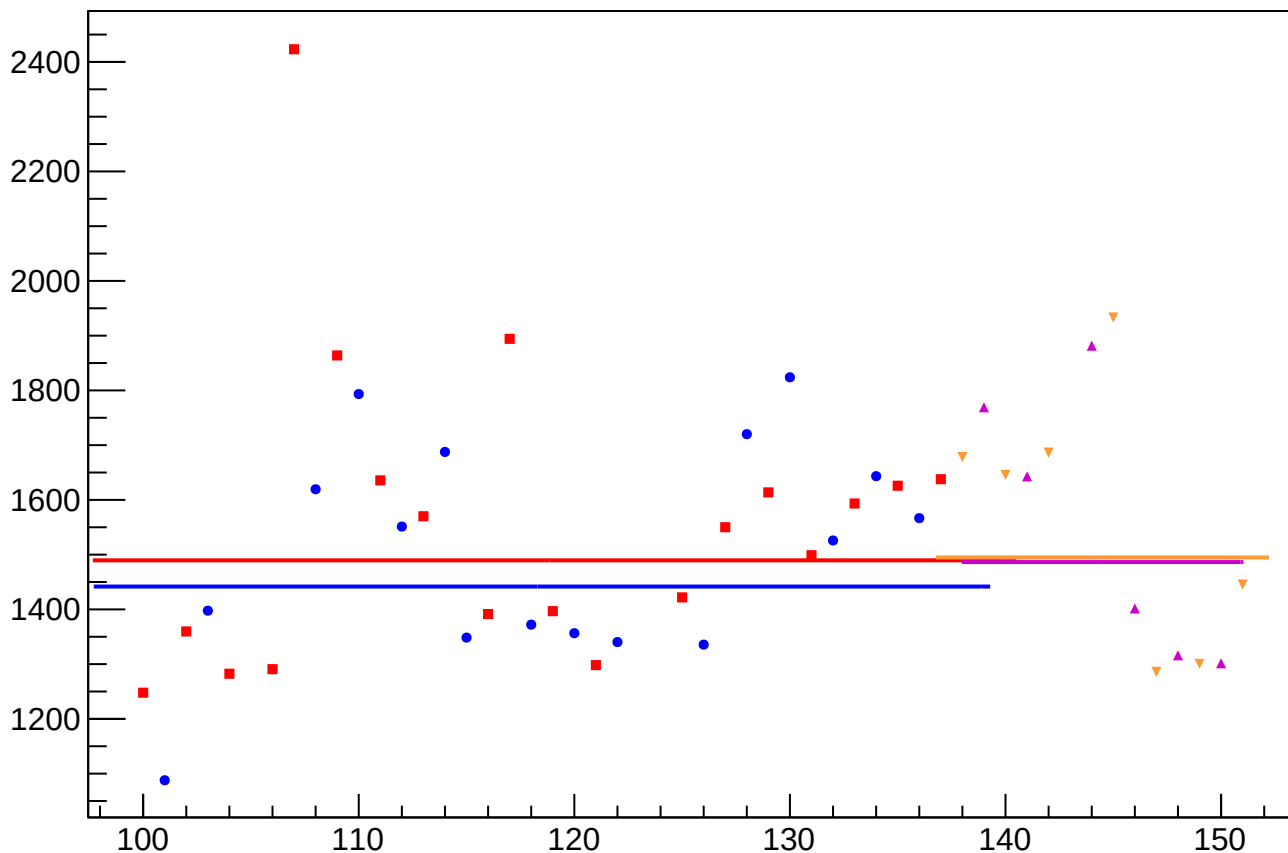
Left In: 1582.190+/-678.165 χ^2/NDF : 4.0/5

1860.297+/-432.687 χ^2/NDF : 22.3/22

1967.915+/-306.905 χ^2/NDF : 43.8/47

2076.879+/-435.384 χ^2/NDF : 21.3/24

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1441.720 $\pm$ 0.401 χ^2/NDF : 275902.8/15

Left Out: 1494.884 $\pm$ 0.473 χ^2/NDF : 199233.0/6

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

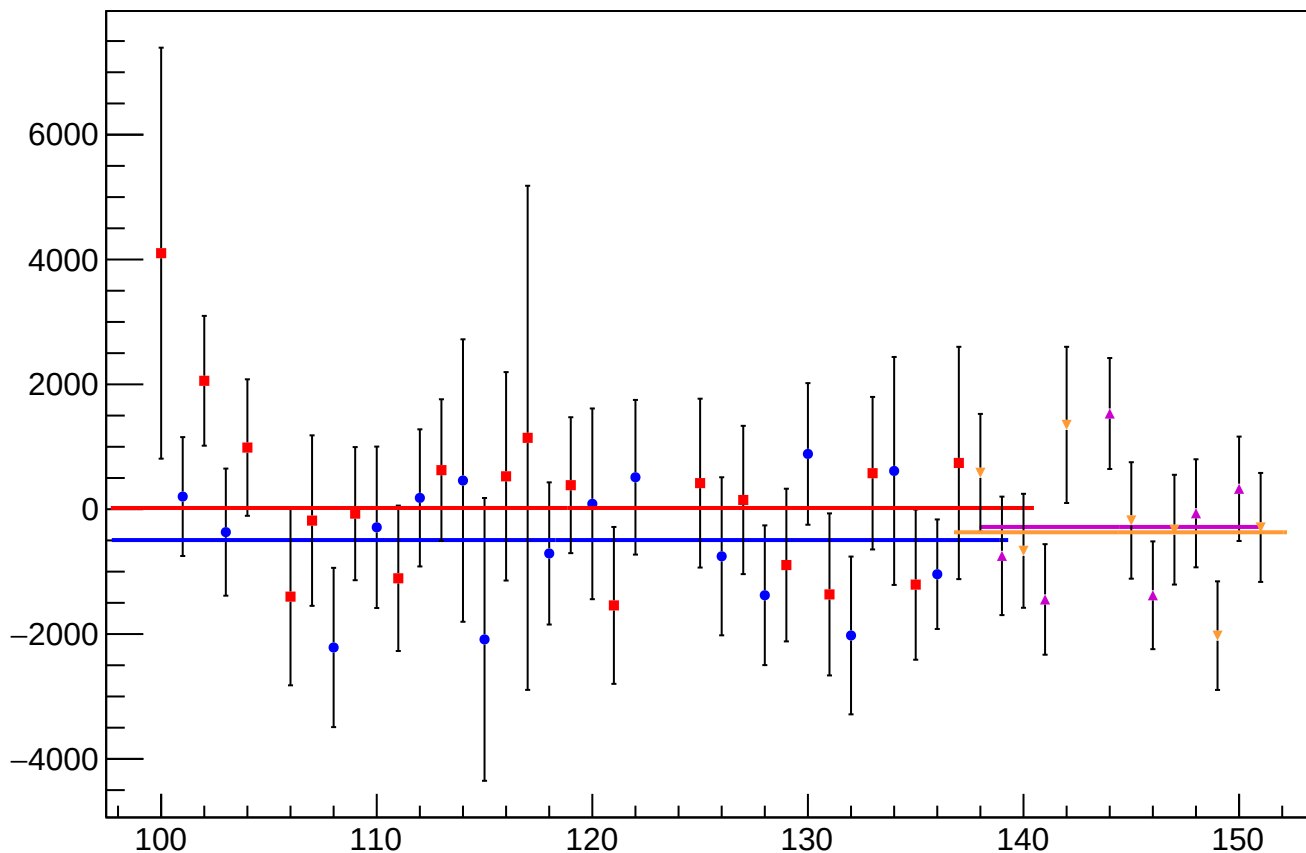
Left In: 1486.449 $\pm$ 0.480 χ^2/NDF : 195257.5/5

1463.941 $\pm$ 0.306 χ^2/NDF : 482480.9/22

1476.048 $\pm$ 0.217 χ^2/NDF : 941031.6/47

1488.307 $\pm$ 0.308 χ^2/NDF : 455399.1/24

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -369.619+/-352.710 χ^2/NDF : 6.7/6

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

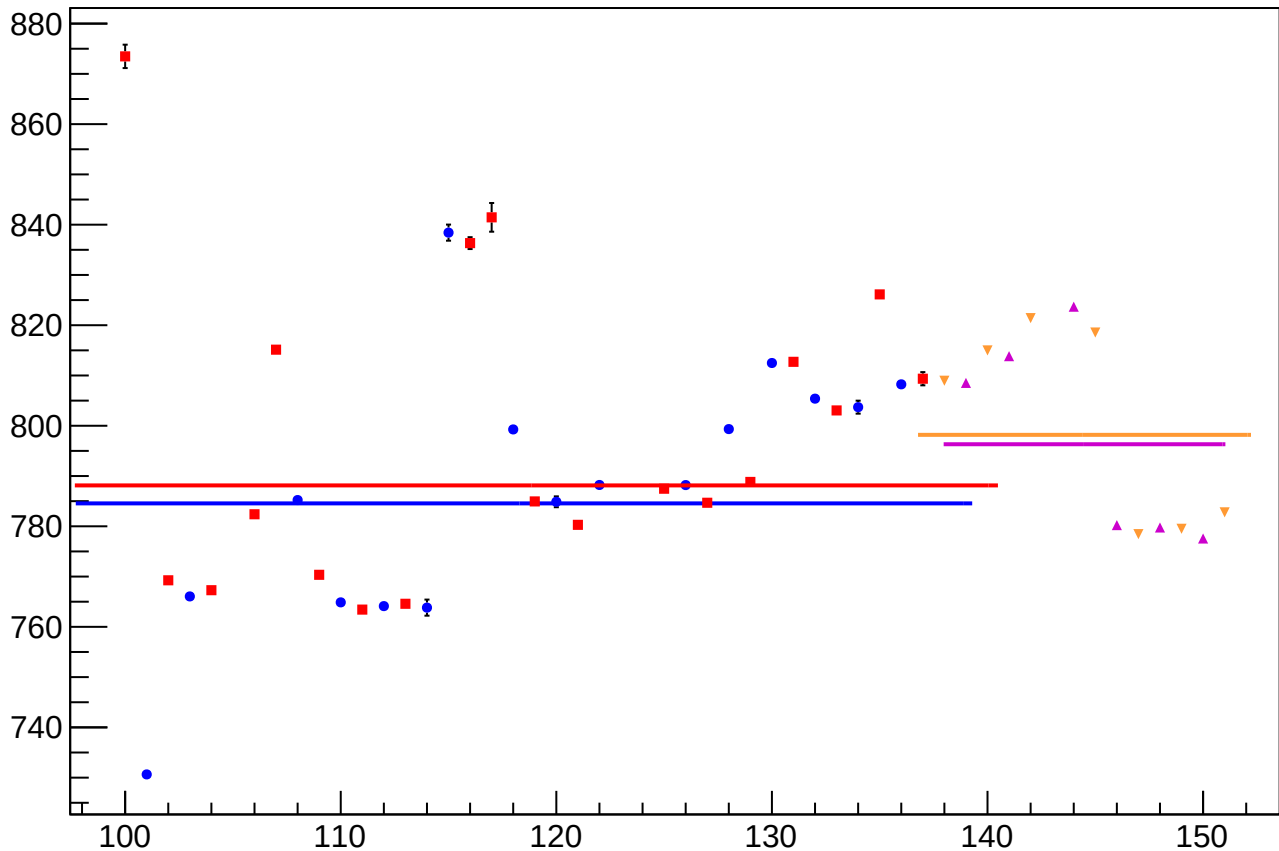
Left In: -284.003+/-359.005 χ^2/NDF : 8.3/5

-440.984+/-230.552 χ^2/NDF : 15.4/22

-271.068+/-162.405 χ^2/NDF : 38.7/47

-103.711+/-228.809 χ^2/NDF : 22.2/24

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 798.193 ± 0.249 χ^2/NDF : 5133.9/6

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

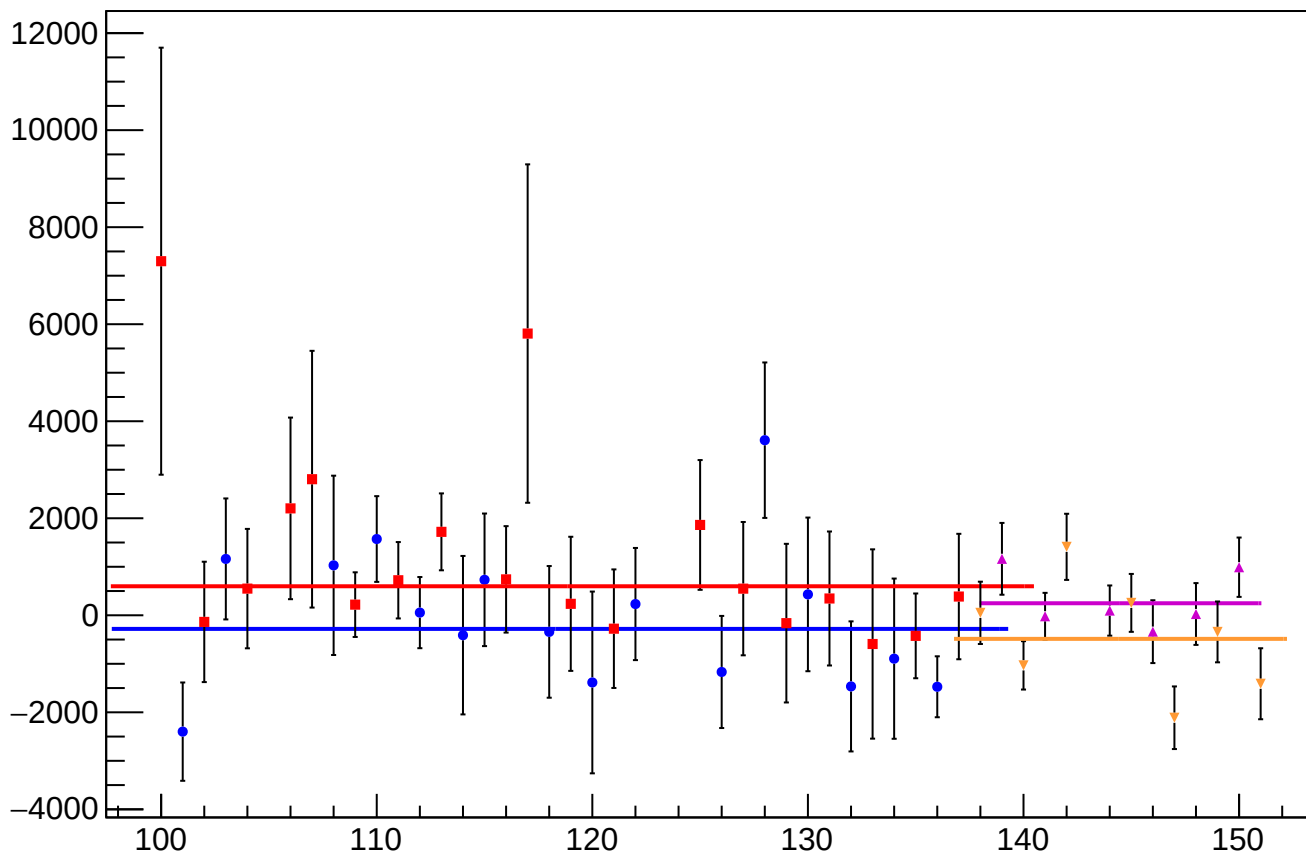
Left In: 796.324 ± 0.254 χ^2/NDF : 5441.2/5

790.384 ± 0.163 χ^2/NDF : 20523.3/22

790.926 ± 0.115 χ^2/NDF : 37864.3/47

791.461 ± 0.162 χ^2/NDF : 17319.0/24

asym_us_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -486.032 $\pm$ 234.281 χ^2/NDF : 19.2/6

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

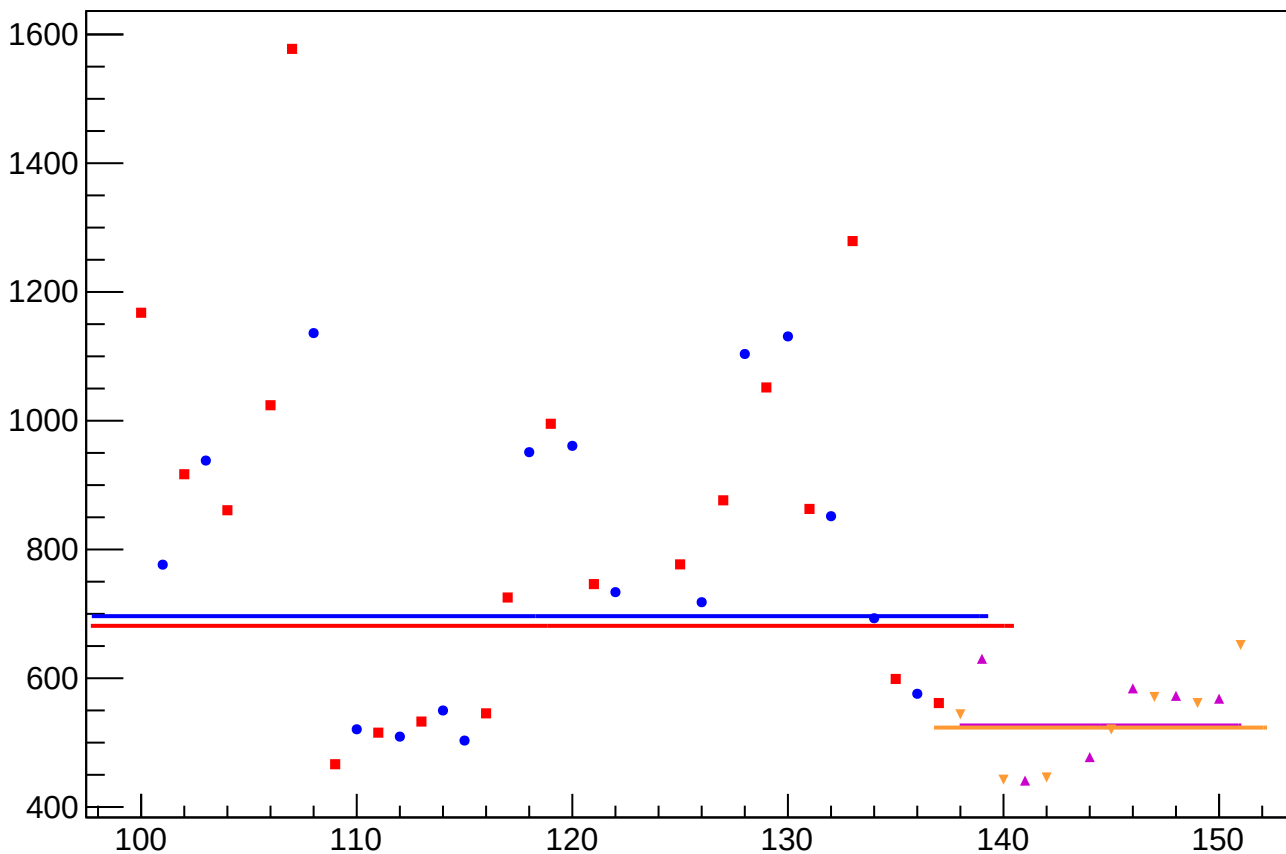
Left In: 247.998 $\pm$ 239.861 χ^2/NDF : 4.3/5

-402.332 $\pm$ 180.336 χ^2/NDF : 42.6/22

0.328 $\pm$ 127.369 χ^2/NDF : 70.0/47

401.124 $\pm$ 179.918 χ^2/NDF : 17.5/24

asym_us_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 523.353 ± 0.166 χ^2/NDF : 160327.8/6

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

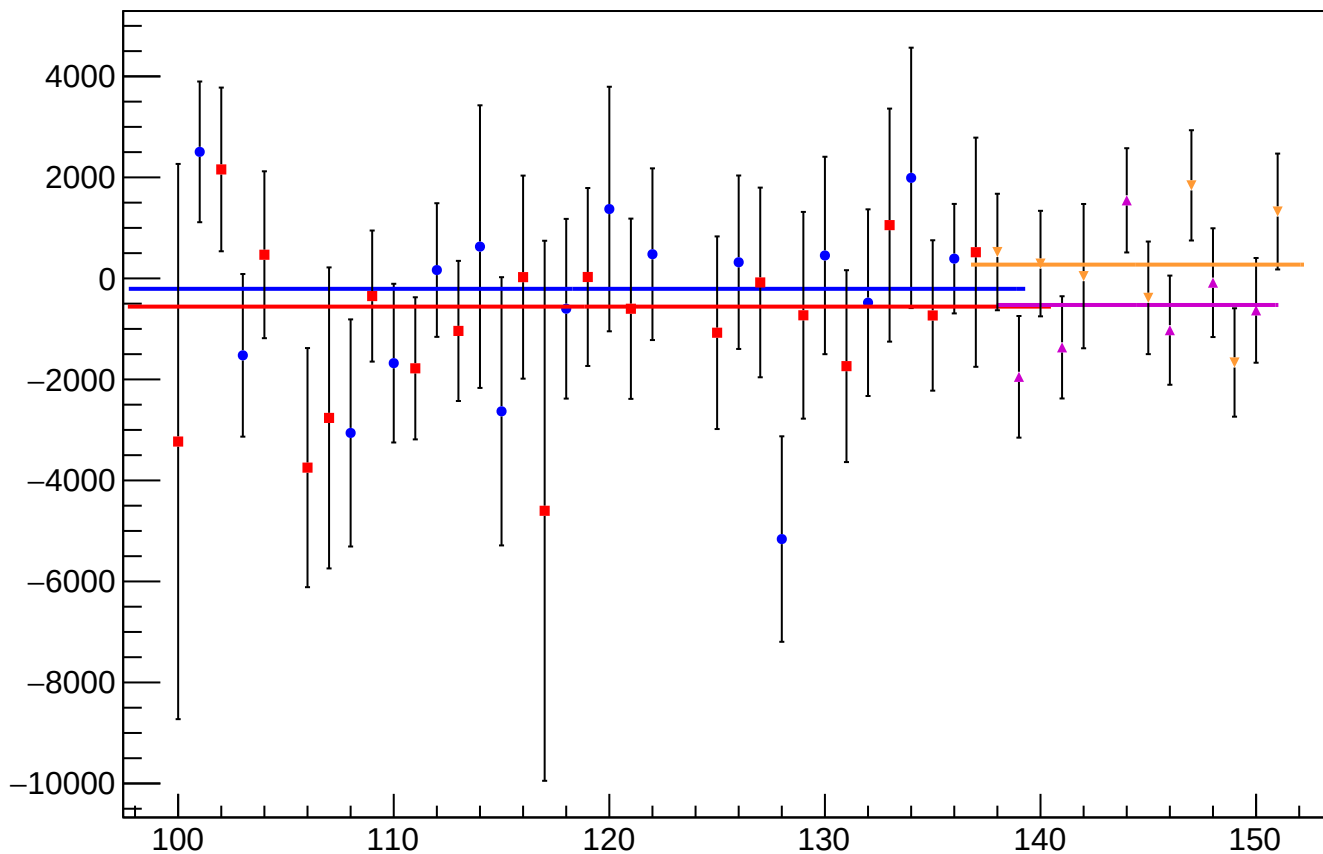
Left In: 526.636 ± 0.170 χ^2/NDF : 155752.6/5

593.894 ± 0.128 χ^2/NDF : 1564776.7/22

594.109 ± 0.090 χ^2/NDF : 3437553.9/47

594.323 ± 0.127 χ^2/NDF : 1872771.6/24

asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 272.831 ± 429.118 χ^2/NDF : 6.6/6

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

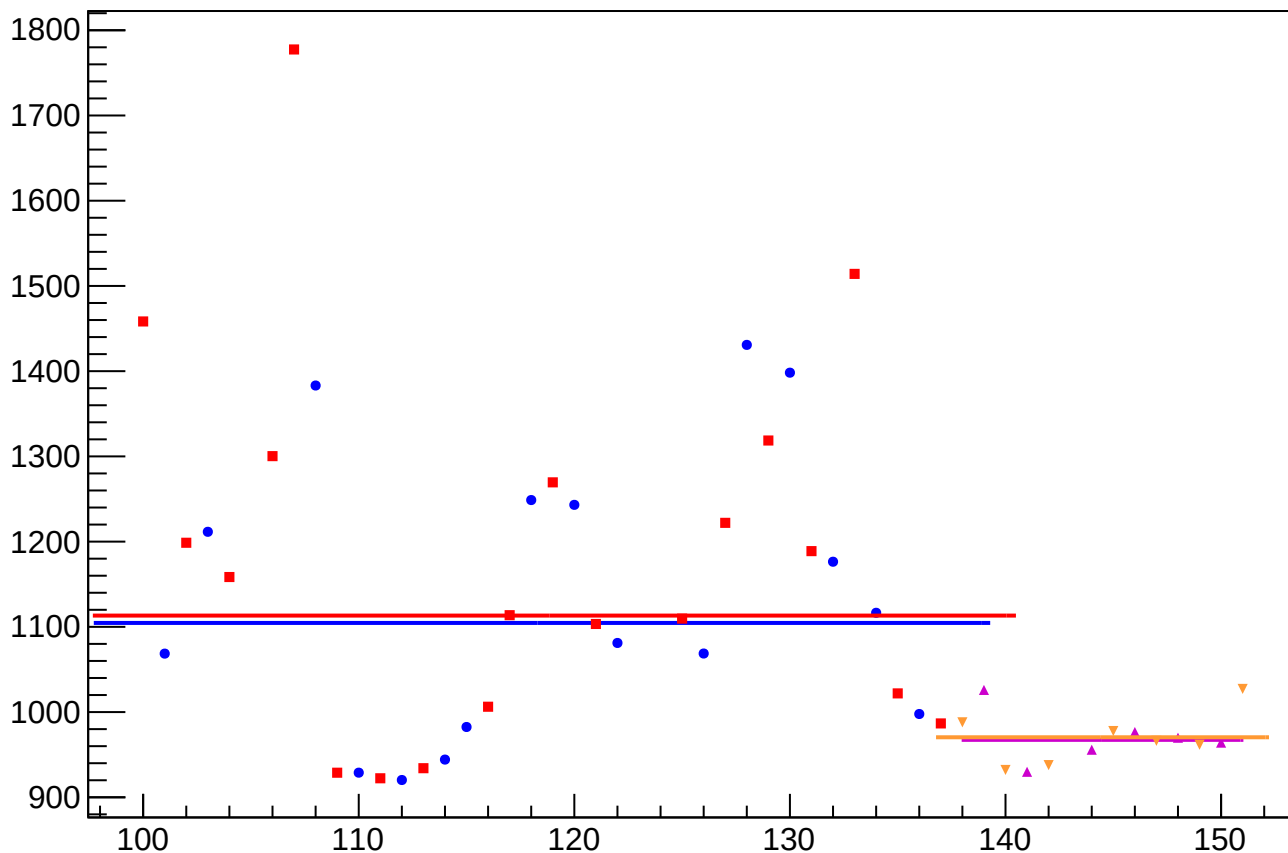
Left In: -526.059 ± 436.279 χ^2/NDF : 6.5/5

35.809 ± 305.065 χ^2/NDF : 23.0/22

-253.802 ± 215.589 χ^2/NDF : 40.0/47

-542.746 ± 304.713 χ^2/NDF : 15.2/24

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 970.429 $\pm$ 0.303 χ^2/NDF : 9346.6/6

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

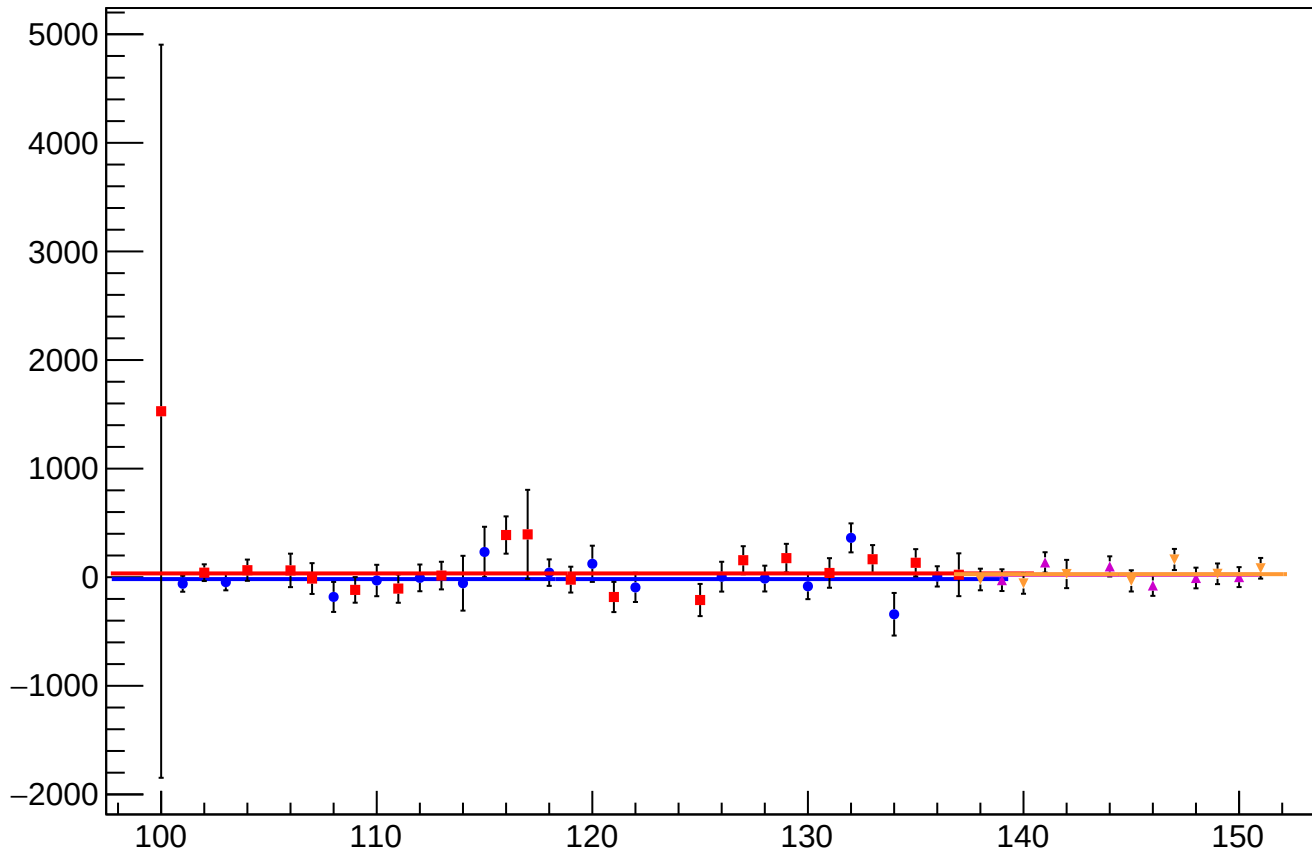
Left In: 967.403 $\pm$ 0.308 χ^2/NDF : 7902.5/5

1036.789 $\pm$ 0.216 χ^2/NDF : 361535.8/22

1039.441 $\pm$ 0.152 χ^2/NDF : 847151.6/47

1042.088 $\pm$ 0.215 χ^2/NDF : 485313.7/24

reg_asym_ds_avg_mean vs Slug, Sign Corrected



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

Left Out: 28.119 ± 37.777 χ^2/NDF : 3.7/6

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

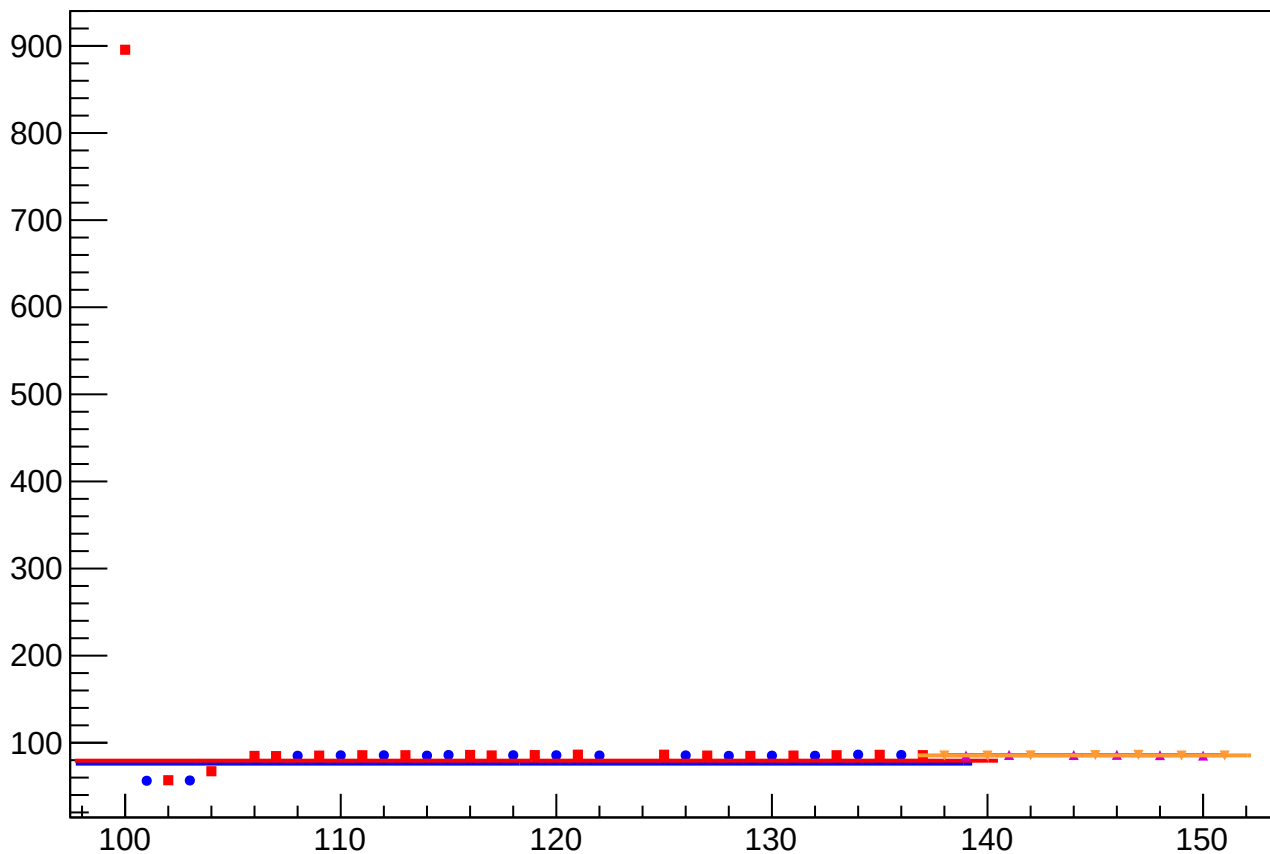
Left In: 22.975 ± 38.654 χ^2/NDF : 3.6/5

0.296 ± 23.487 χ^2/NDF : 20.2/22

15.068 ± 16.744 χ^2/NDF : 42.0/47

30.334 ± 23.877 χ^2/NDF : 21.0/24

reg_asym_ds_avg_rms vs Slug, Sign Corrected



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

Left Out: 85.512+/-0.027 χ^2/NDF :137.3/6

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

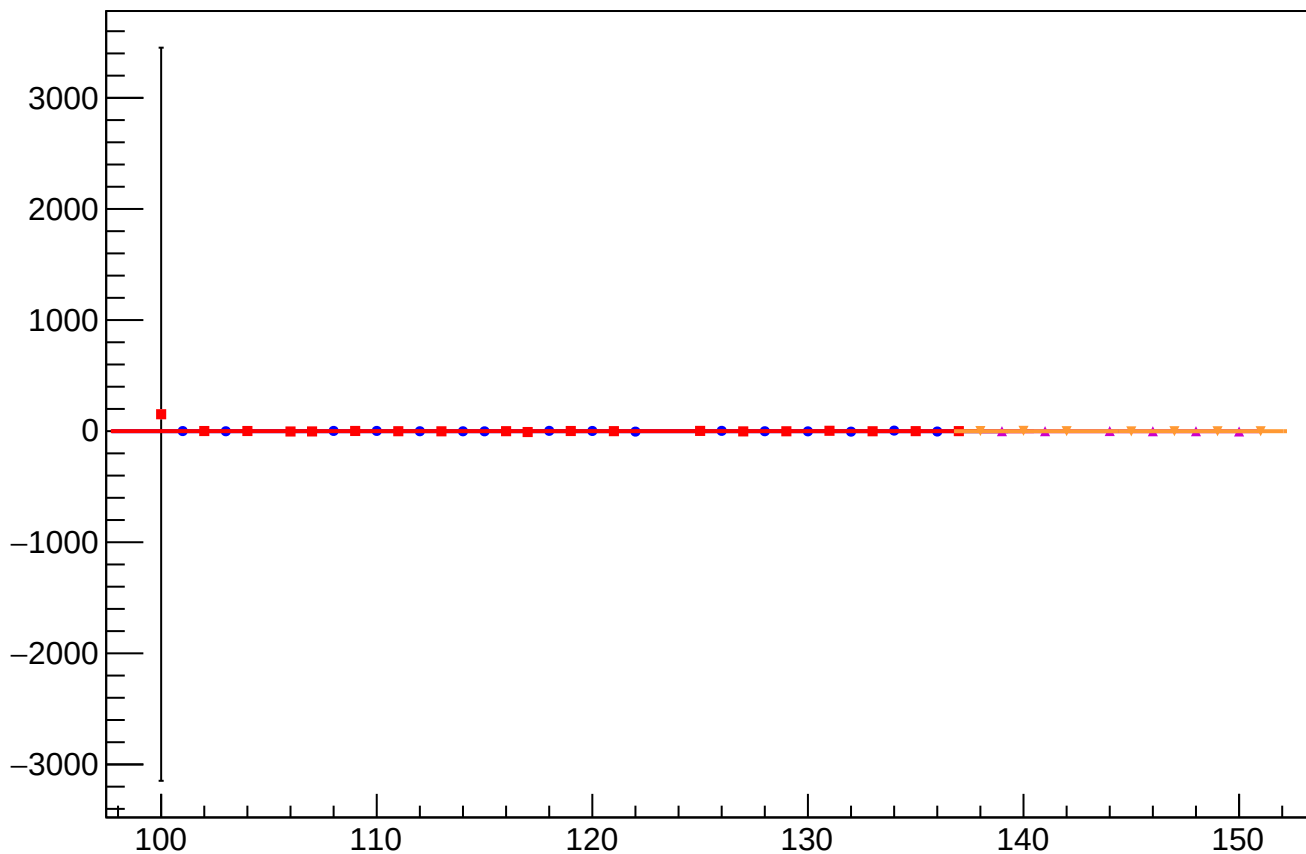
Left In: 85.761+/-0.027 χ^2/NDF :152.1/5

79.725+/-0.017 χ^2/NDF : 485796.8/22

80.766+/-0.012 χ^2/NDF : 906144.6/47

81.841+/-0.017 χ^2/NDF : 412364.3/24

asym_ds_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.458 ± 0.637 χ^2/NDF : 4.6/6

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

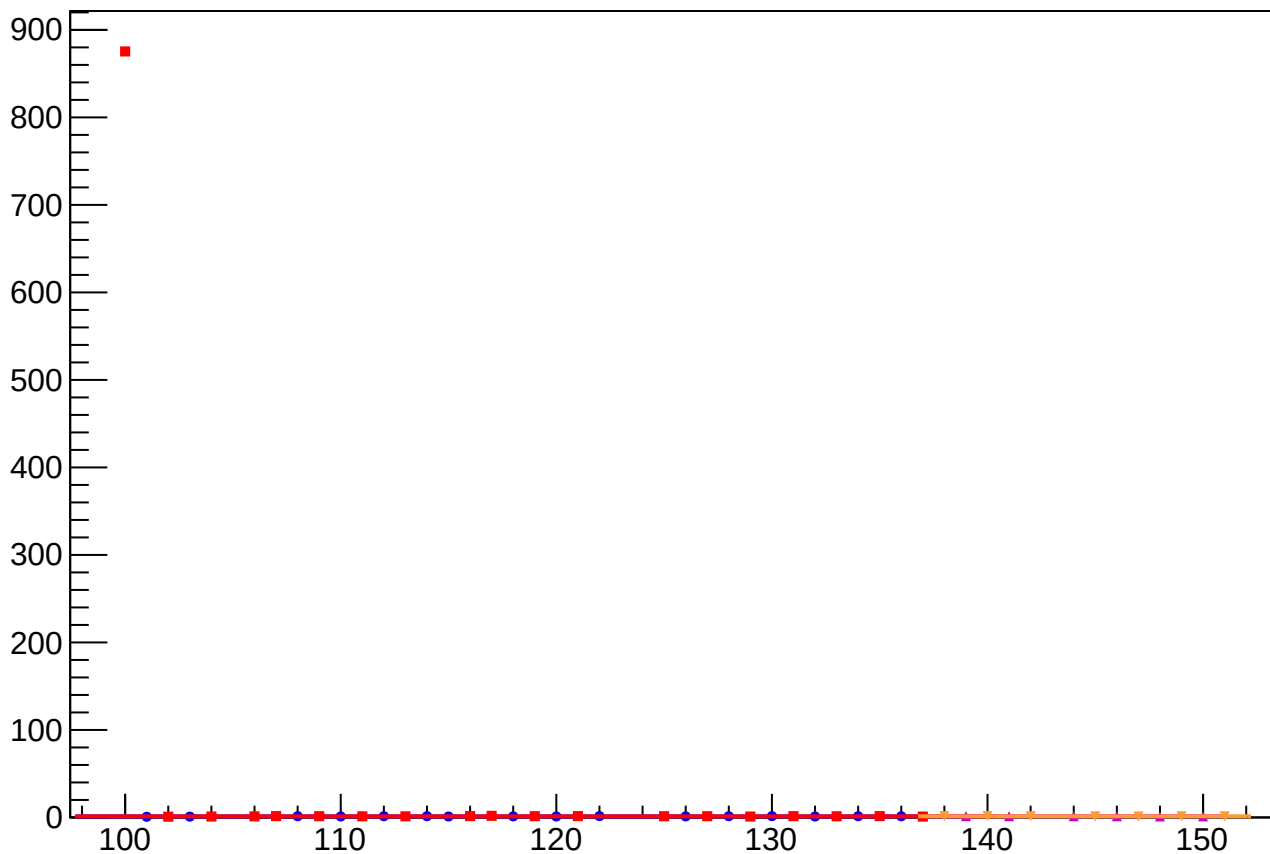
Left In: -0.613 ± 0.679 χ^2/NDF : 3.0/5

-0.349 ± 0.394 χ^2/NDF : 25.8/22

-0.275 ± 0.285 χ^2/NDF : 39.2/47

-0.194 ± 0.413 χ^2/NDF : 13.4/24

asym_ds_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.302 $\pm$ 0.000 χ^2 /NDF:106837.2/6

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

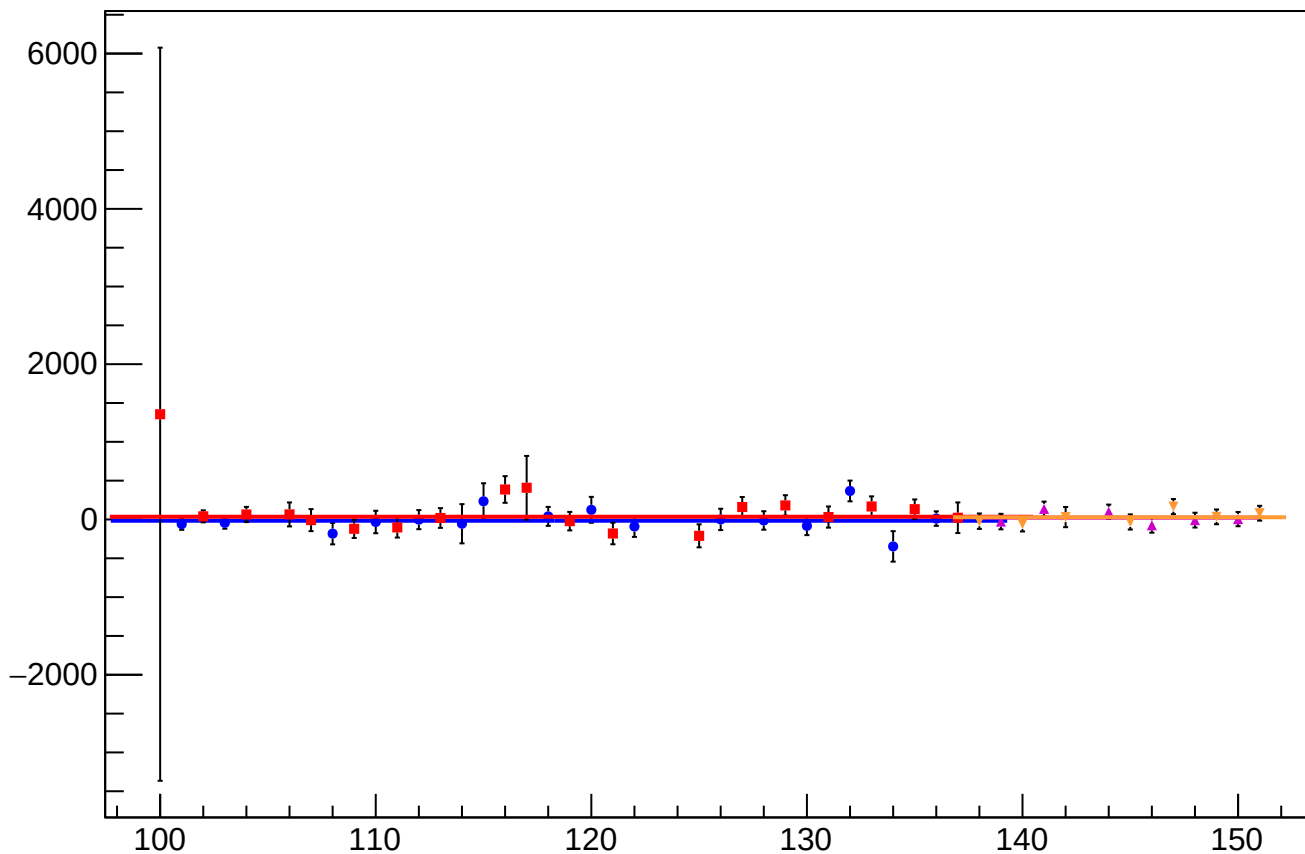
Left In: 1.391 $\pm$ 0.000 χ^2 /NDF:47048.3/5

1.210 $\pm$ 0.000 χ^2 /NDF: 689338.1/22

1.253 $\pm$ 0.000 χ^2 /NDF: 1369021.9/47

1.301 $\pm$ 0.000 χ^2 /NDF: 627919.8/24

asym_ds_avg_mean vs Slug, Sign Corrected



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

Left Out: 28.463 ± 37.787 χ^2/NDF : 3.8/6

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

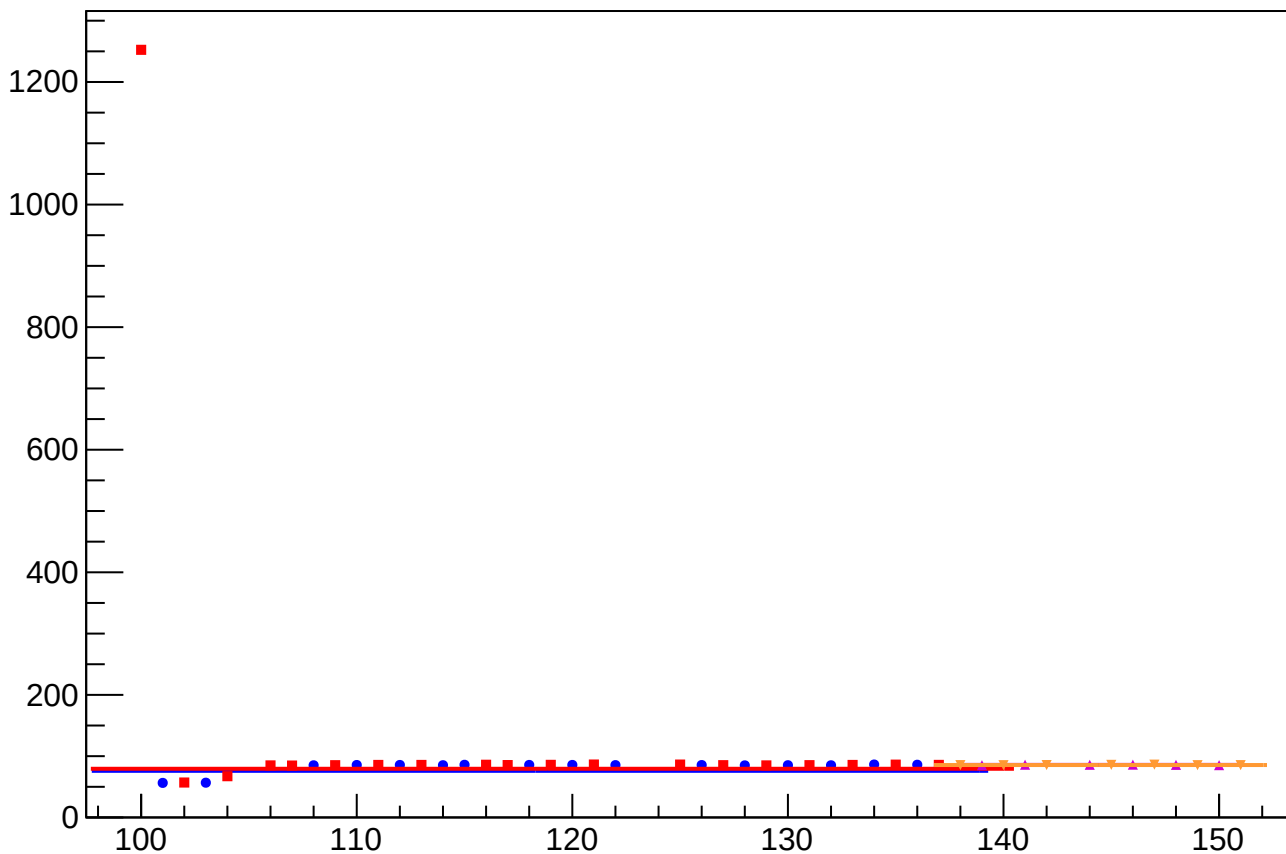
Left In: 23.475 ± 38.664 χ^2/NDF : 3.6/5

0.996 ± 23.494 χ^2/NDF : 20.5/22

15.608 ± 16.749 χ^2/NDF : 42.3/47

30.708 ± 23.884 χ^2/NDF : 21.0/24

asym_ds_avg_rms vs Slug, Sign Corrected



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

Left Out: 85.534+/-0.027 χ^2 /NDF:137.4/6

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

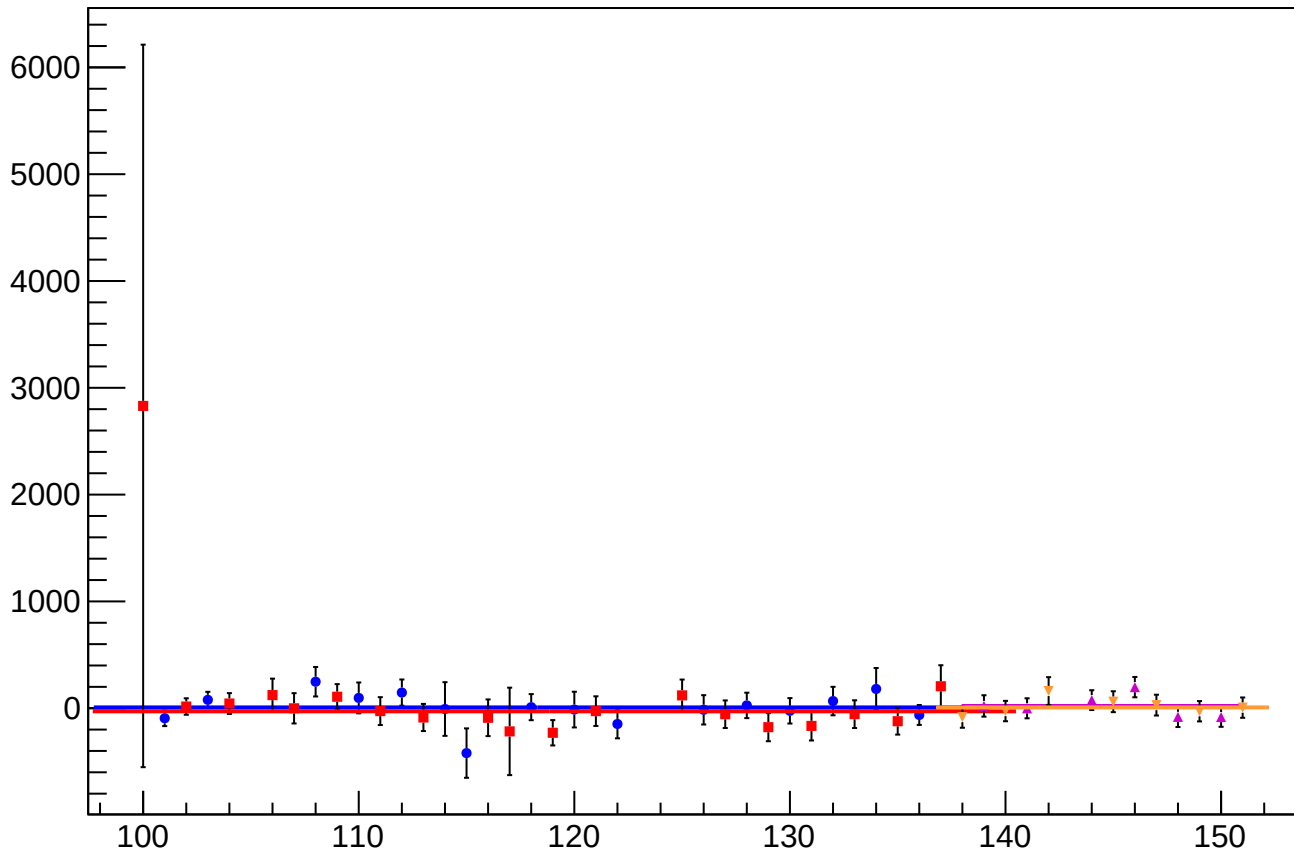
Left In: 85.784+/-0.027 χ^2 /NDF:152.4/5

79.746+/-0.017 χ^2 /NDF: 485827.3/22

80.782+/-0.012 χ^2 /NDF: 912803.9/47

81.852+/-0.017 χ^2 /NDF: 419072.4/24

reg_asym_ds_dd_mean vs Slug, Sign Corrected



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

Left Out: 7.369 $\pm$ 37.788 χ^2 /NDF: 2.8/6

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

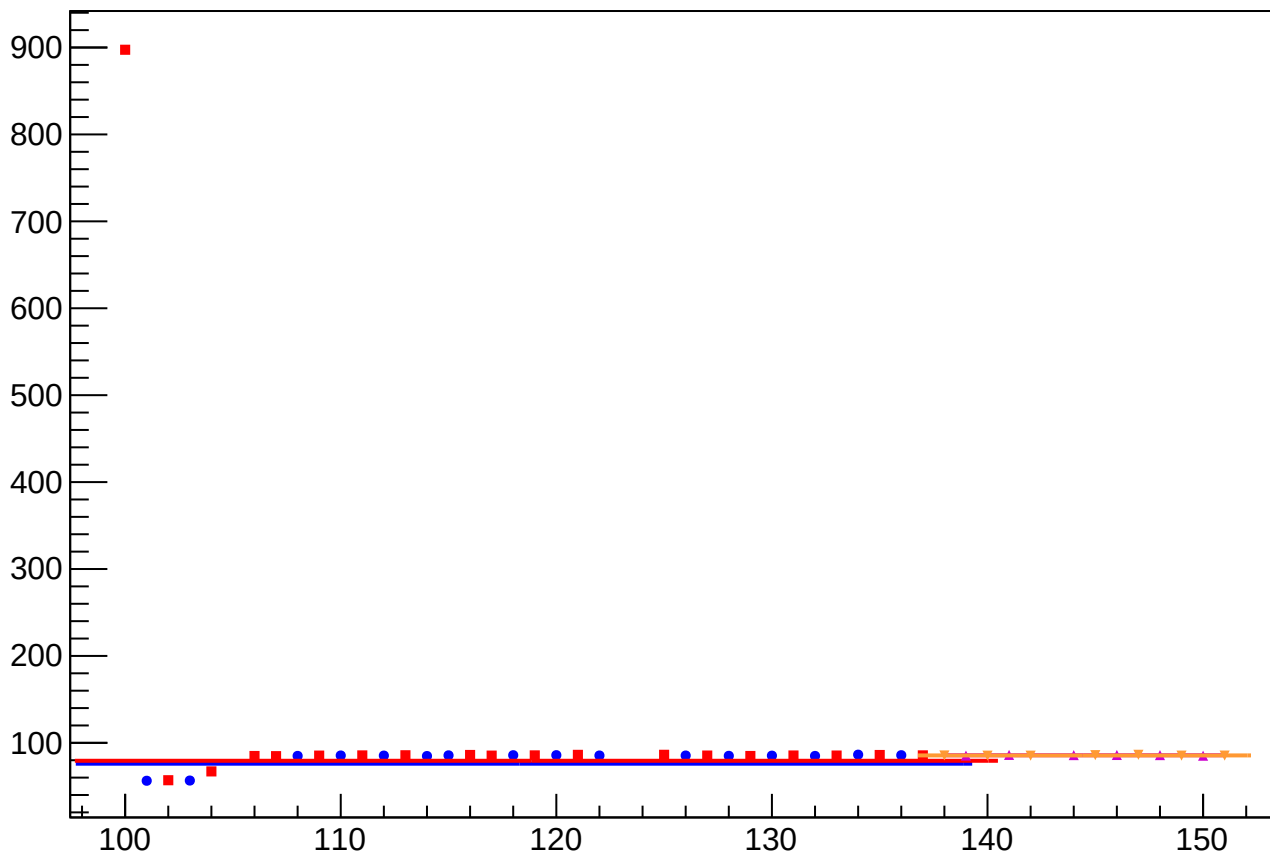
Left In: 20.746 $\pm$ 38.655 χ^2 /NDF: 6.3/5

7.425 $\pm$ 23.481 χ^2 /NDF: 16.8/22

-1.149 $\pm$ 16.739 χ^2 /NDF: 37.0/47

-10.008 $\pm$ 23.868 χ^2 /NDF: 20.0/24

reg_asym_ds_dd_rms vs Slug, Sign Corrected



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

Left Out: 85.535 $\pm$ 0.027 χ^2 /NDF:179.3/6

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

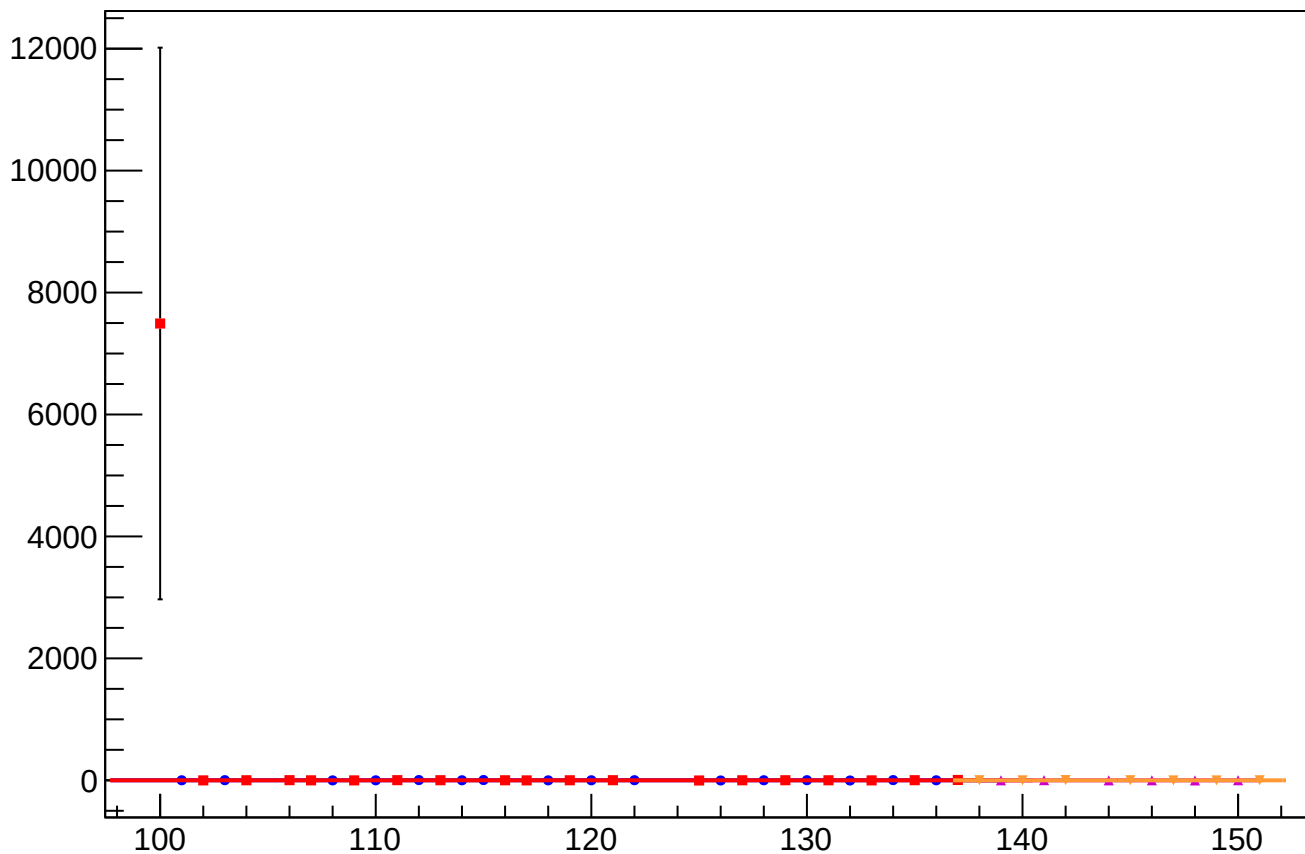
Left In: 85.763 $\pm$ 0.027 χ^2 /NDF:166.0/5

79.701 $\pm$ 0.017 χ^2 /NDF: 486745.6/22

80.738 $\pm$ 0.012 χ^2 /NDF: 907446.5/47

81.810 $\pm$ 0.017 χ^2 /NDF: 412763.5/24

asym_ds_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.141 ± 0.626 χ^2/NDF : 6.5/6

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

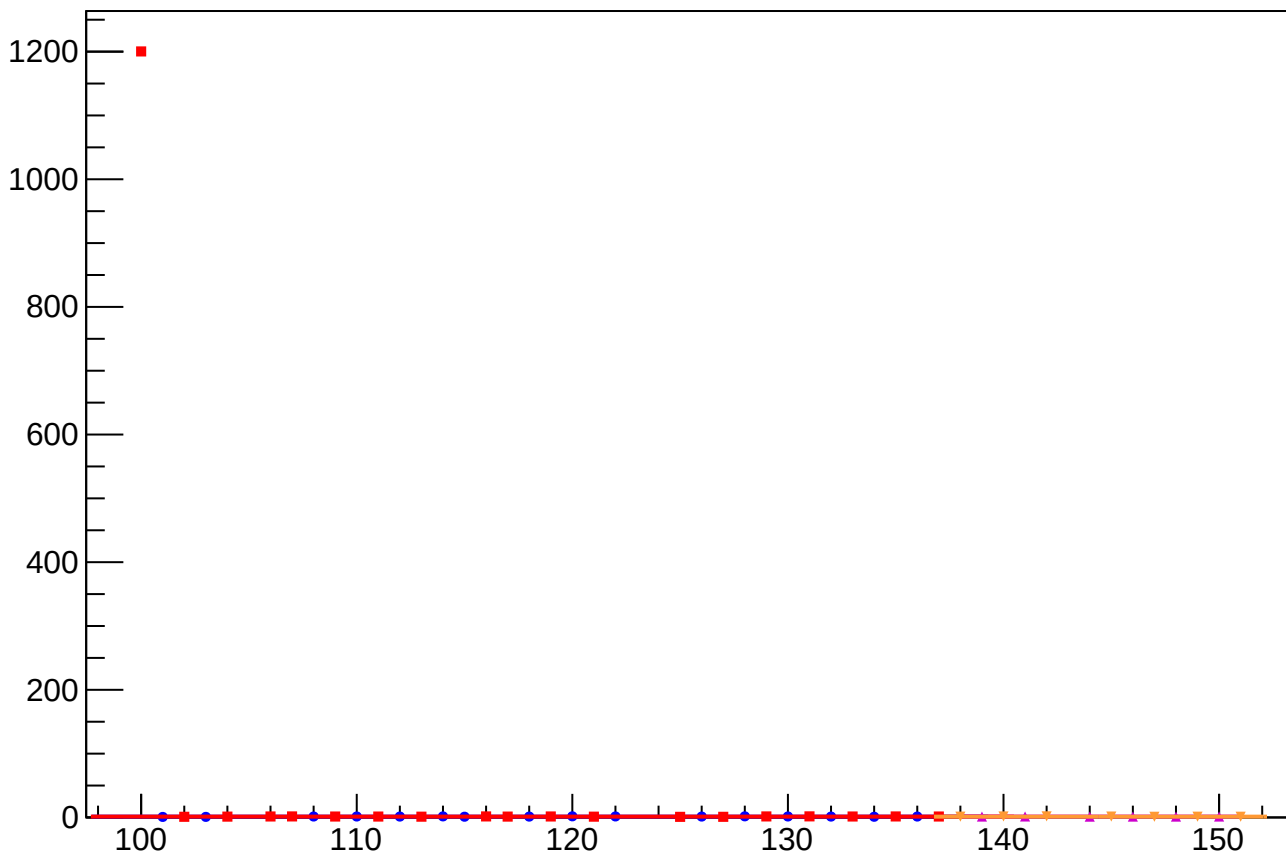
Left In: 0.245 ± 0.674 χ^2/NDF : 3.6/5

0.470 ± 0.406 χ^2/NDF : 20.1/22

0.379 ± 0.293 χ^2/NDF : 36.5/47

0.280 ± 0.425 χ^2/NDF : 16.3/24

asym_ds_dd_correction_rms vs Slug, Sign Corrected



Right In: 1.238+/-0.000 χ^2/NDF : 657848.9/15

Left Out: 1.270+/-0.000 χ^2/NDF :174047.0/6

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

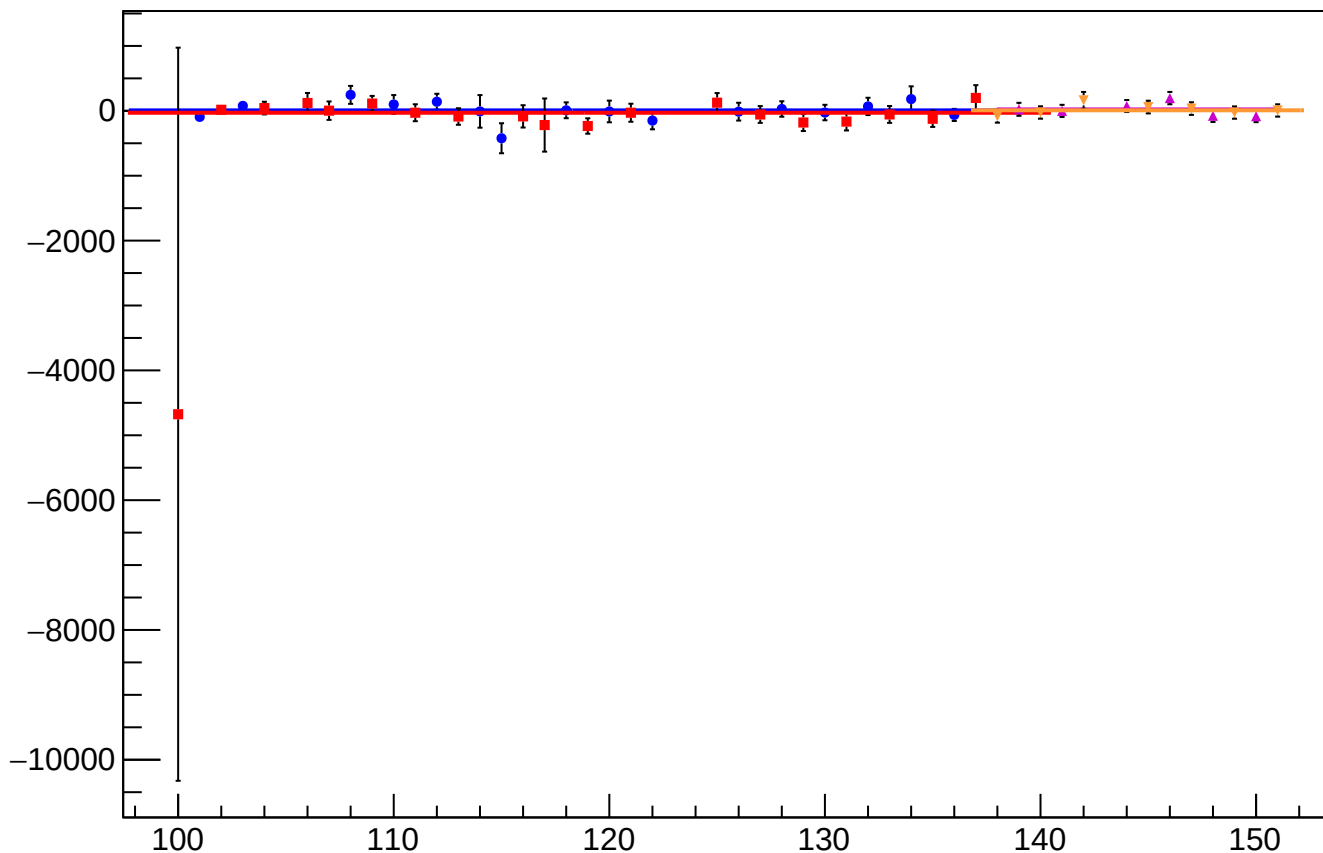
Left In: 1.376+/-0.000 χ^2/NDF :35859.0/5

1.251+/-0.000 χ^2/NDF : 834975.8/22

1.294+/-0.000 χ^2/NDF : 1448086.6/47

1.341+/-0.000 χ^2/NDF : 566566.1/24

asym_ds_dd_mean vs Slug, Sign Corrected



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

Left Out: 8.143 ± 37.798 $\chi^2/\text{NDF}: 2.8/6$

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

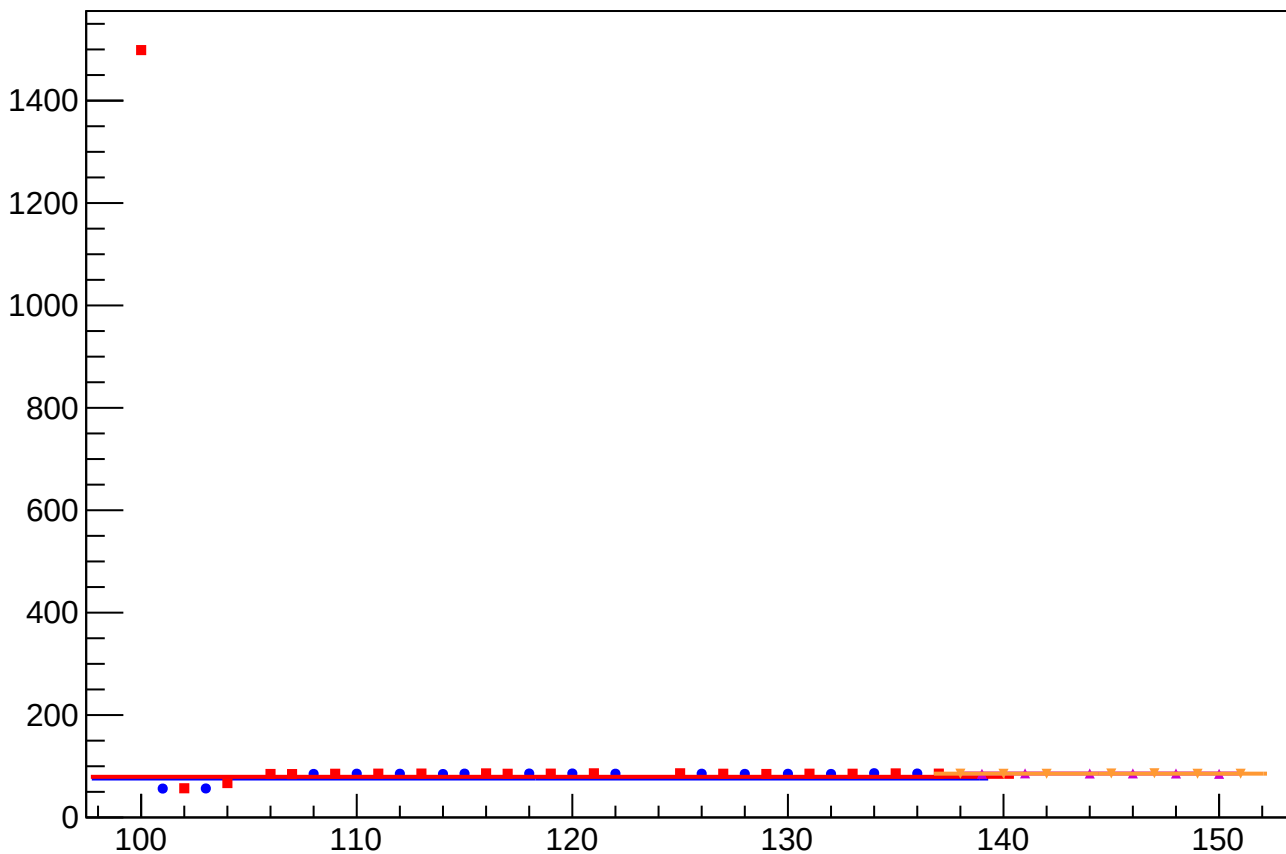
Left In: 21.280 ± 38.666 $\chi^2/\text{NDF}: 6.1/5$

7.307 ± 23.487 $\chi^2/\text{NDF}: 16.6/22$

-1.303 ± 16.743 $\chi^2/\text{NDF}: 37.0/47$

-10.200 ± 23.875 $\chi^2/\text{NDF}: 20.0/24$

asym_ds_dd_rms vs Slug, Sign Corrected



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

Left Out: 85.557+/-0.027 χ^2 /NDF:178.7/6

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

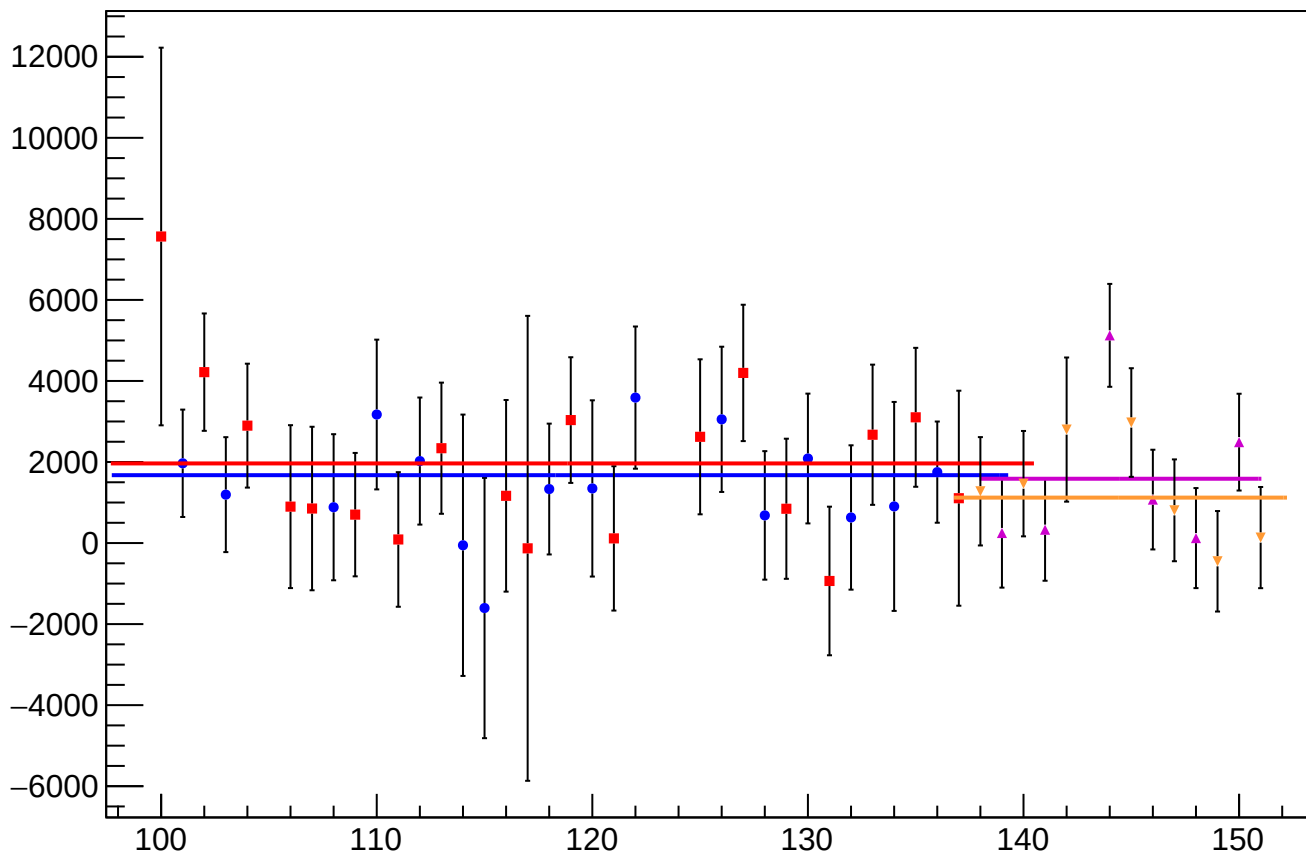
Left In: 85.786+/-0.027 χ^2 /NDF:165.9/5

79.723+/-0.017 χ^2 /NDF: 486782.7/22

80.753+/-0.012 χ^2 /NDF: 916888.6/47

81.817+/-0.017 χ^2 /NDF: 422282.4/24

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1121.358 $\pm$ 503.233 χ^2 /NDF: 5.2/6

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

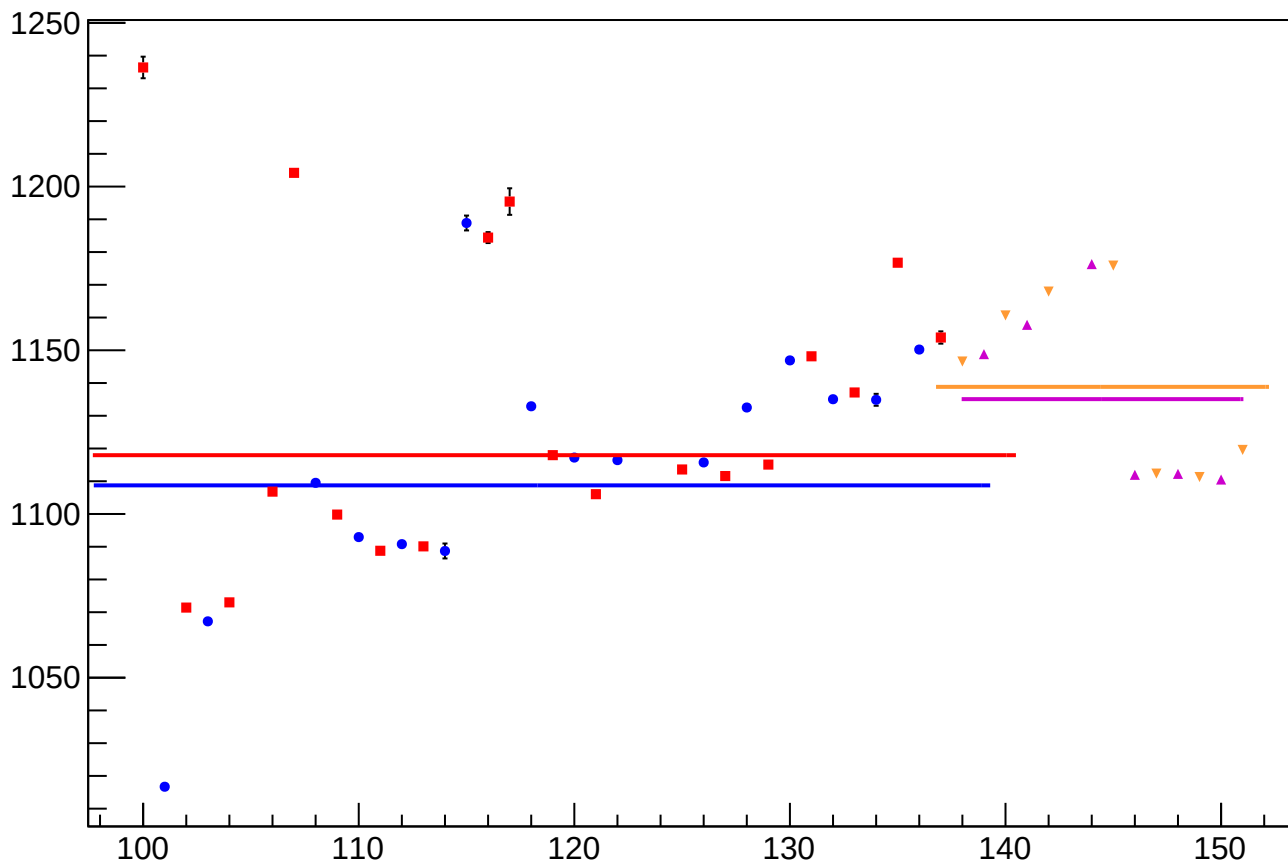
Left In: 1586.782 $\pm$ 511.726 χ^2 /NDF: 11.9/5

1440.980 $\pm$ 327.173 χ^2 /NDF: 11.0/22

1627.684 $\pm$ 230.658 χ^2 /NDF: 38.0/47

1812.183 $\pm$ 325.236 χ^2 /NDF: 26.4/24

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1138.830 $\pm$ 0.356 χ^2/NDF : 5044.1/6

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

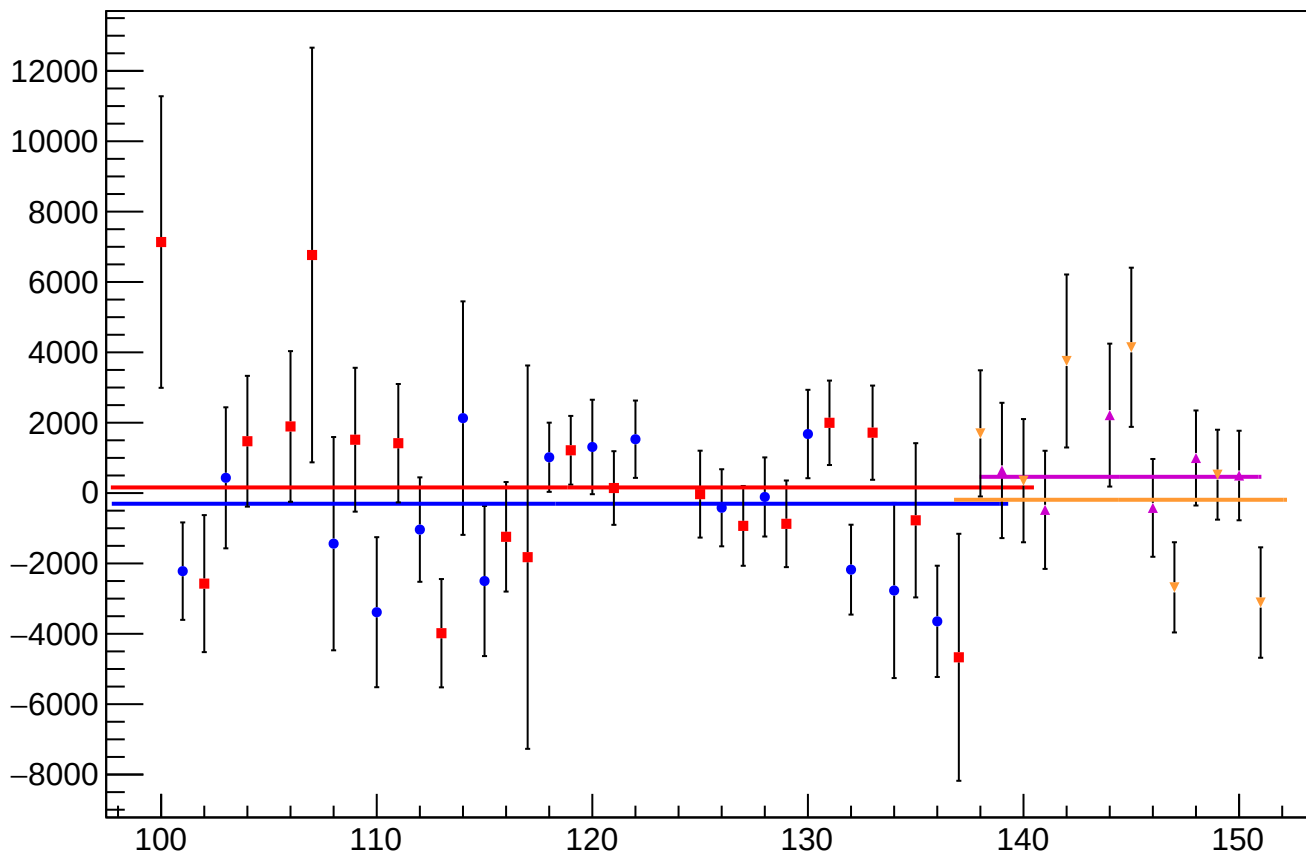
Left In: 1135.078 $\pm$ 0.362 χ^2/NDF : 5202.7/5

1121.458 $\pm$ 0.231 χ^2/NDF : 27253.0/22

1123.176 $\pm$ 0.163 χ^2/NDF : 49781.3/47

1124.874 $\pm$ 0.230 χ^2/NDF : 22418.6/24

asym_usl_correction_mean vs Slug, Sign Corrected



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

Left Out: -190.427+/-617.279 χ^2/NDF : 15.0/6

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

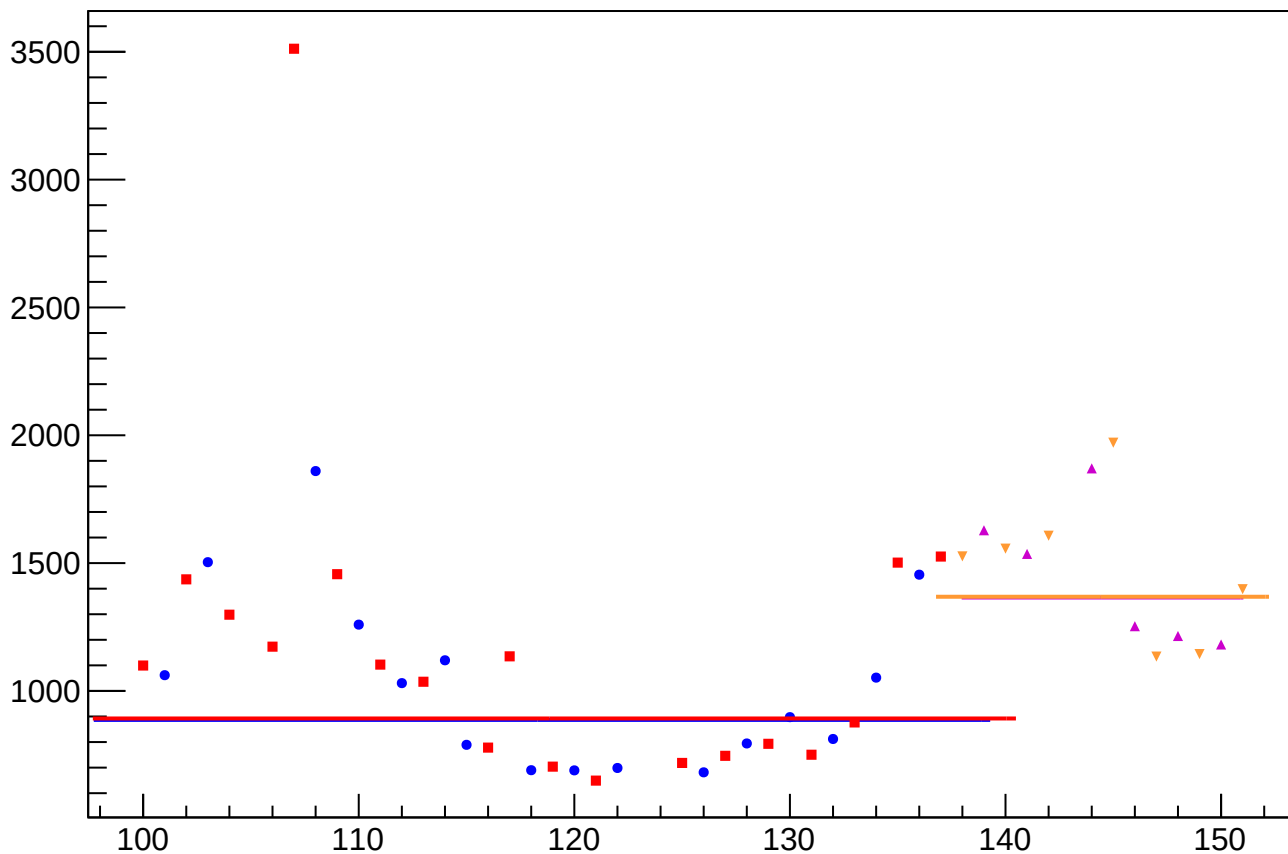
Left In: 462.179+/-626.103 χ^2/NDF : 1.6/5

-274.671+/-311.022 χ^2/NDF : 37.3/22

-18.808+/-219.253 χ^2/NDF : 65.4/47

233.948+/-309.128 χ^2/NDF : 26.8/24

asym_usl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1368.413+/-0.436 χ^2/NDF : 328293.3/6

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

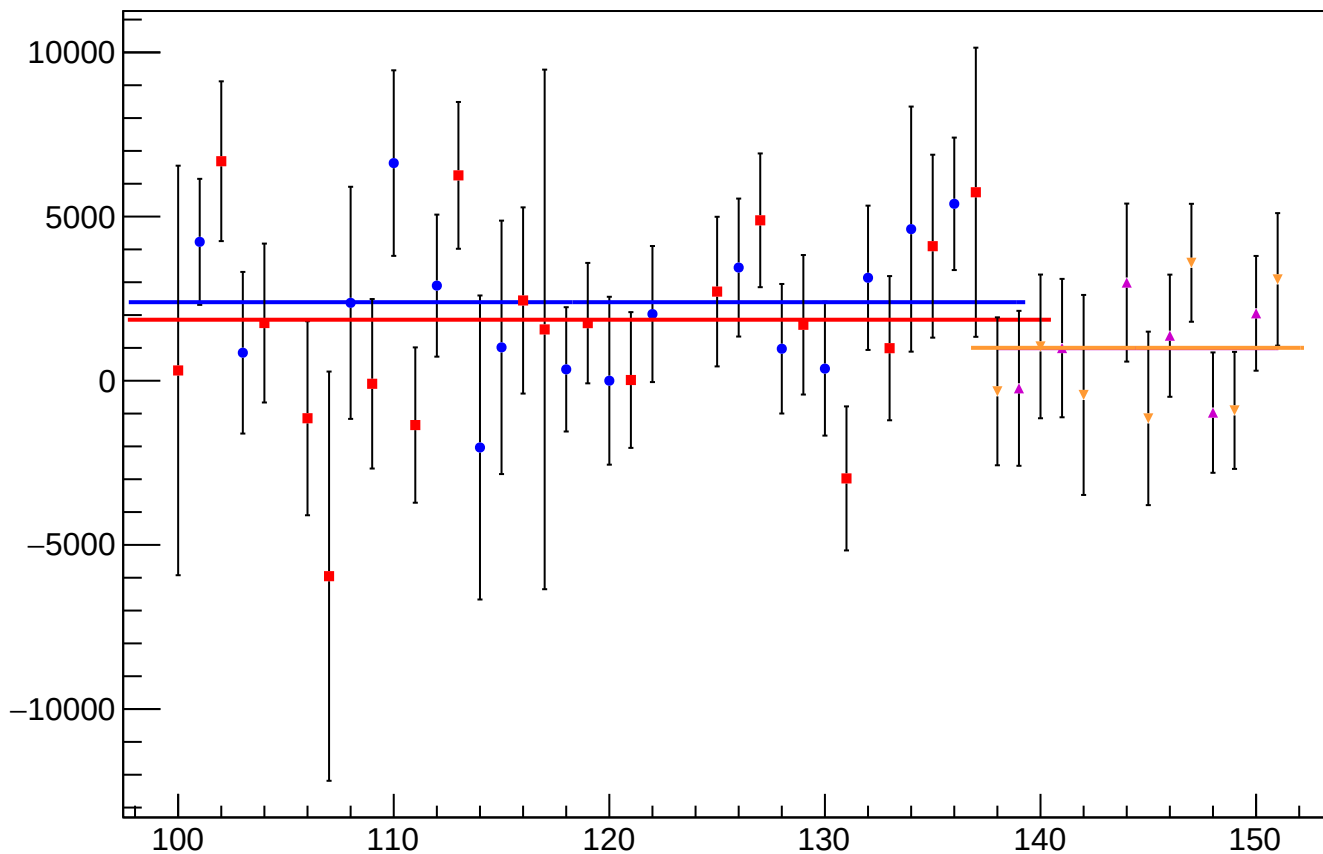
Left In: 1365.445+/-0.443 χ^2/NDF : 261344.9/5

1008.988+/-0.220 χ^2/NDF : 2297965.8/22

1008.285+/-0.155 χ^2/NDF : 4841483.6/47

1007.591+/-0.219 χ^2/NDF : 2543497.5/24

asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1002.263 $\pm$ 809.196 χ^2 /NDF: 5.5/6

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

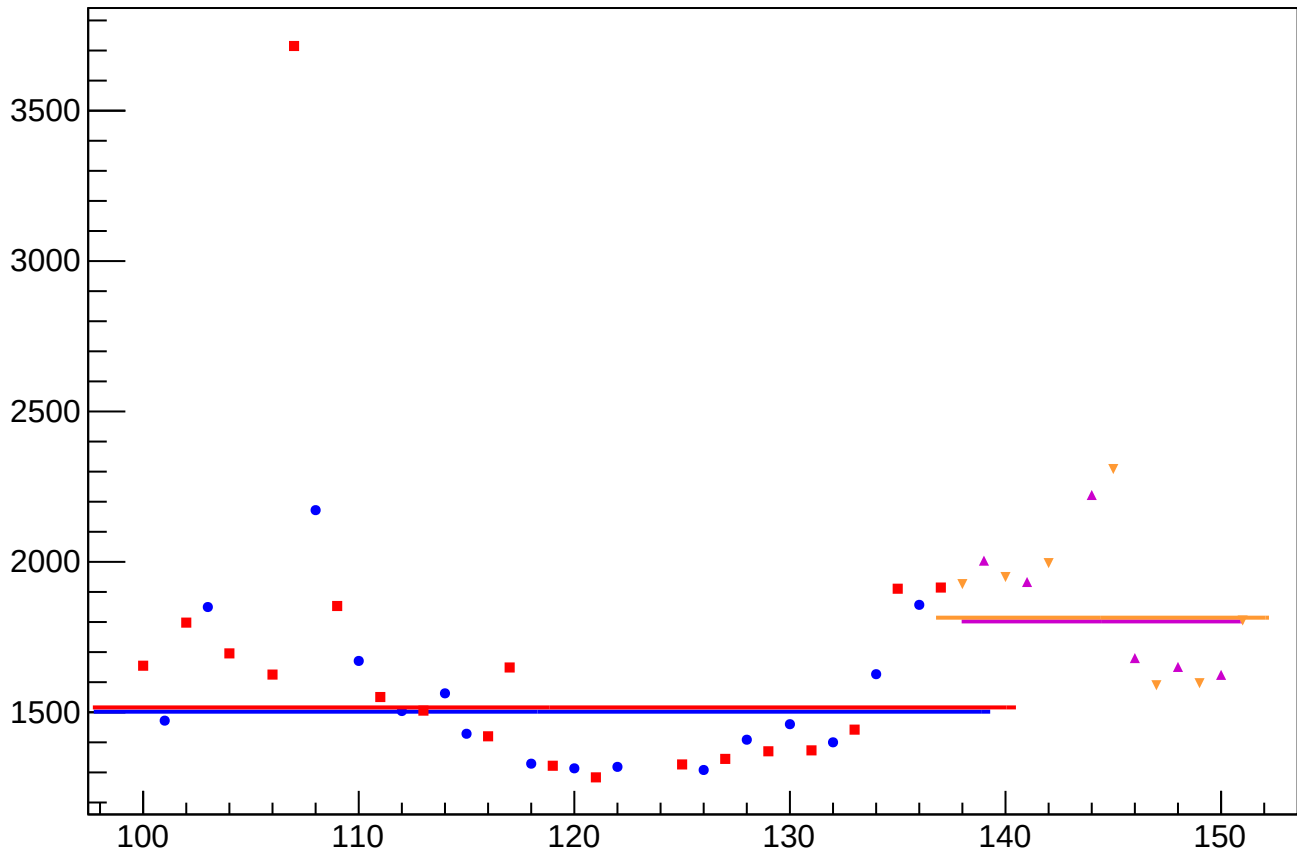
Left In: 991.022 $\pm$ 818.833 χ^2 /NDF: 2.5/5

1910.960 $\pm$ 476.203 χ^2 /NDF: 18.6/22

1738.479 $\pm$ 335.992 χ^2 /NDF: 44.6/47

1567.493 $\pm$ 474.133 χ^2 /NDF: 25.8/24

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1814.482 $\pm$ 0.572 χ^2 /NDF:150799.6/6

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

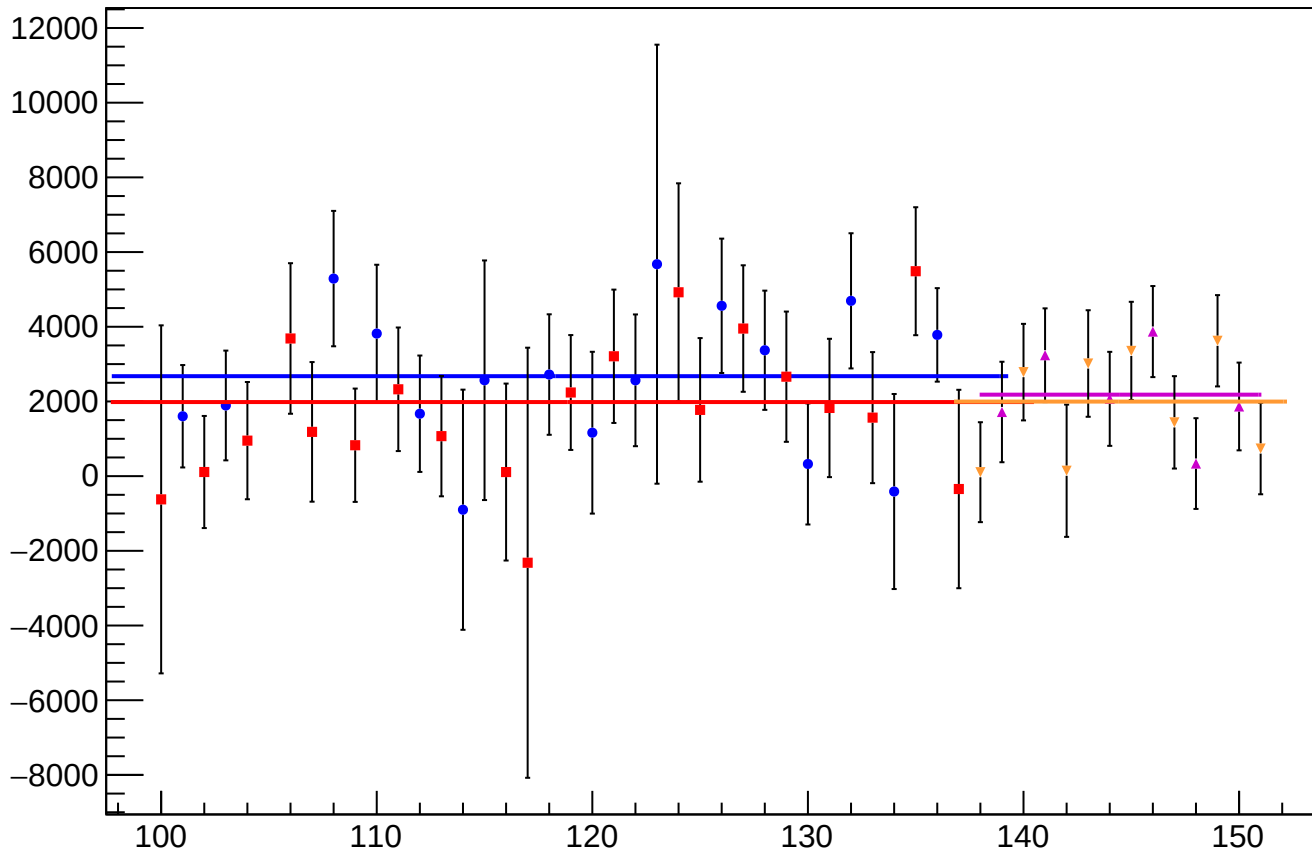
Left In: 1802.036 $\pm$ 0.579 χ^2 /NDF:126303.4/5

1610.177 $\pm$ 0.337 χ^2 /NDF: 600385.5/22

1611.086 $\pm$ 0.238 χ^2 /NDF: 1369111.0/47

1611.987 $\pm$ 0.335 χ^2 /NDF: 768711.0/24

reg_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 1996.430 $\pm$ 469.558 χ^2/NDF : 8.1/7

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

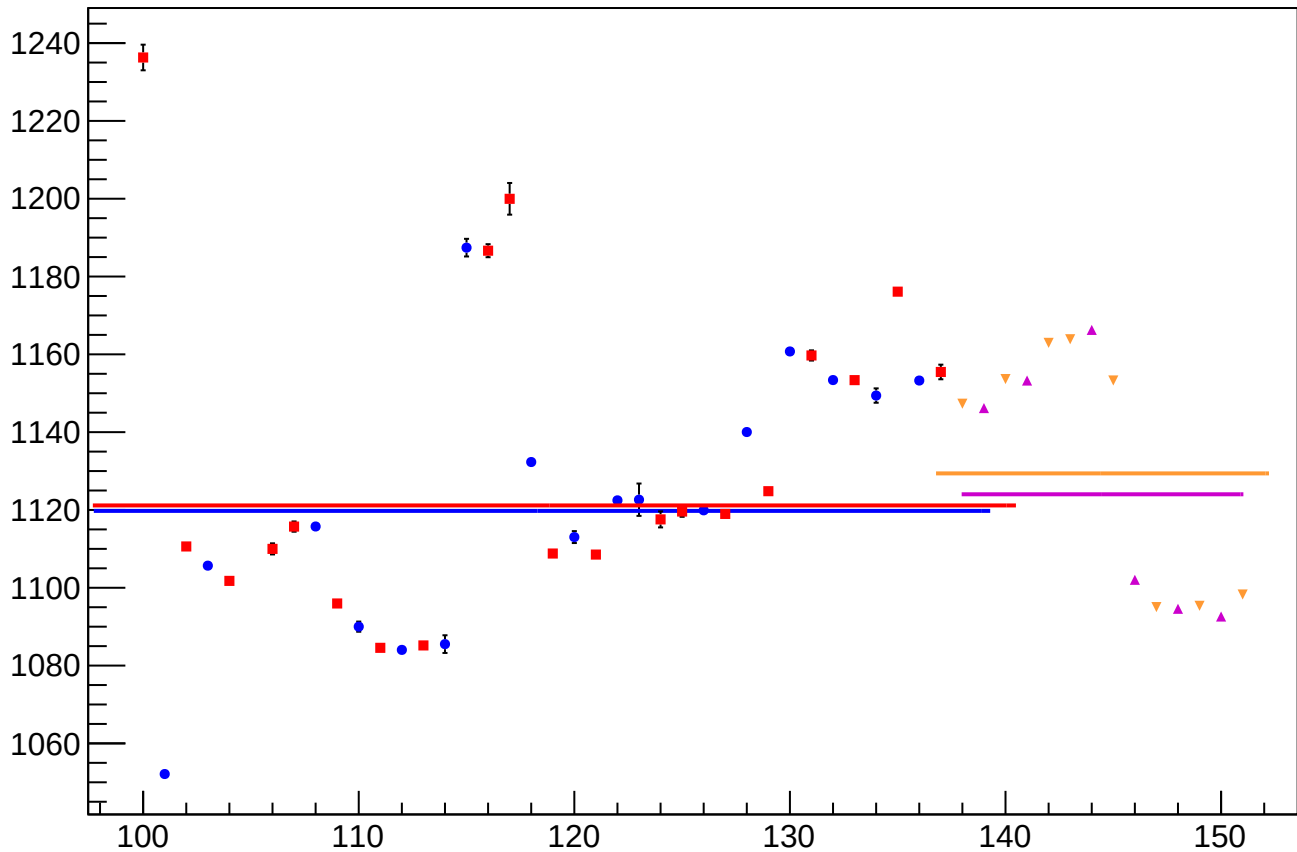
Left In: 2181.877 $\pm$ 506.794 χ^2/NDF : 5.1/5

2363.611 $\pm$ 318.549 χ^2/NDF : 21.8/24

2215.646 $\pm$ 226.630 χ^2/NDF : 40.8/50

2063.995 $\pm$ 322.494 χ^2/NDF : 18.6/25

reg_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1129.398 $\pm$ 0.332 χ^2/NDF : 7994.1/7

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

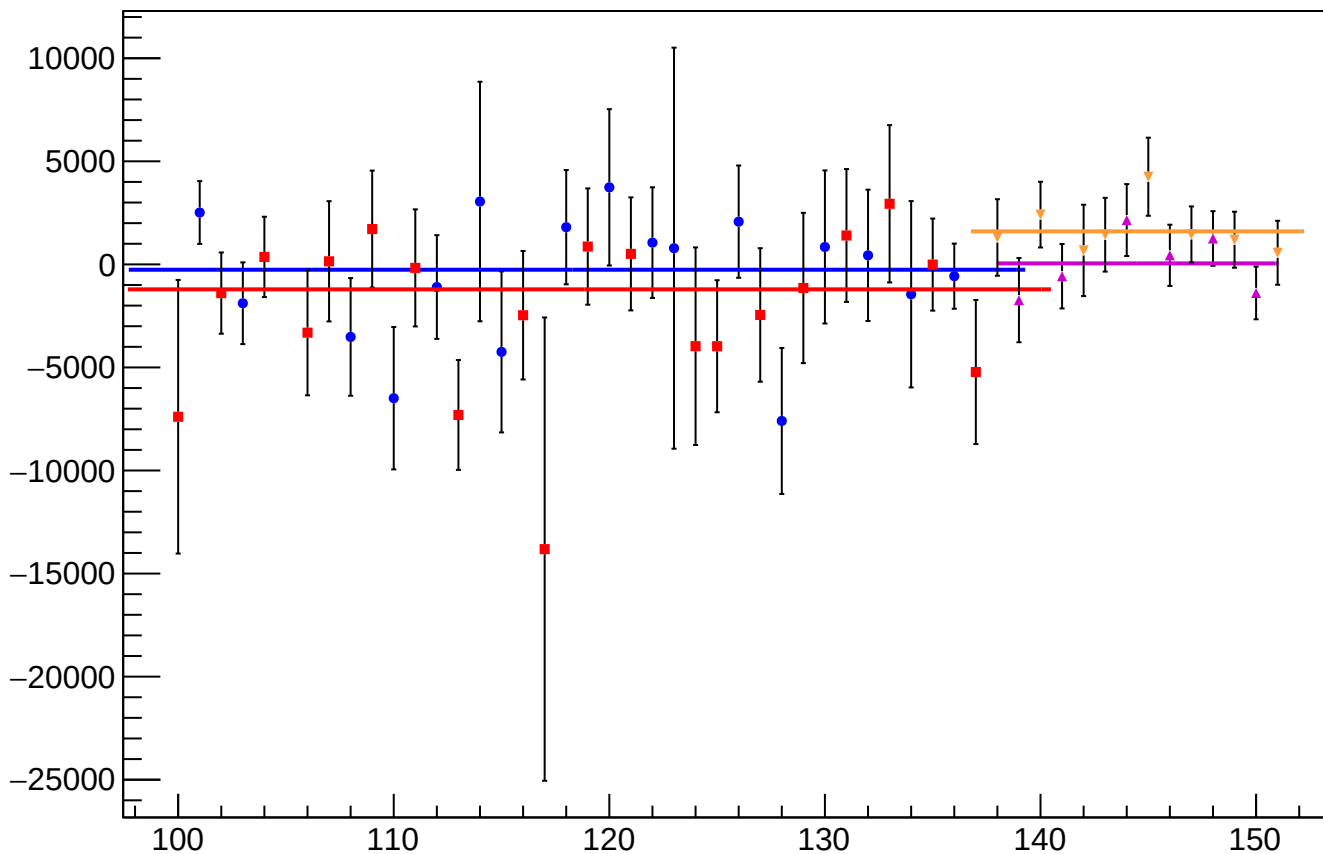
Left In: 1124.030 $\pm$ 0.358 χ^2/NDF : 7135.7/5

1124.197 $\pm$ 0.225 χ^2/NDF : 20325.6/24

1123.272 $\pm$ 0.160 χ^2/NDF : 37844.3/50

1122.324 $\pm$ 0.228 χ^2/NDF : 17484.6/25

asym_usr_correction_mean vs Slug, Sign Corrected



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

Left Out: 1602.111+/-579.517 χ^2/NDF : 3.0/7

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

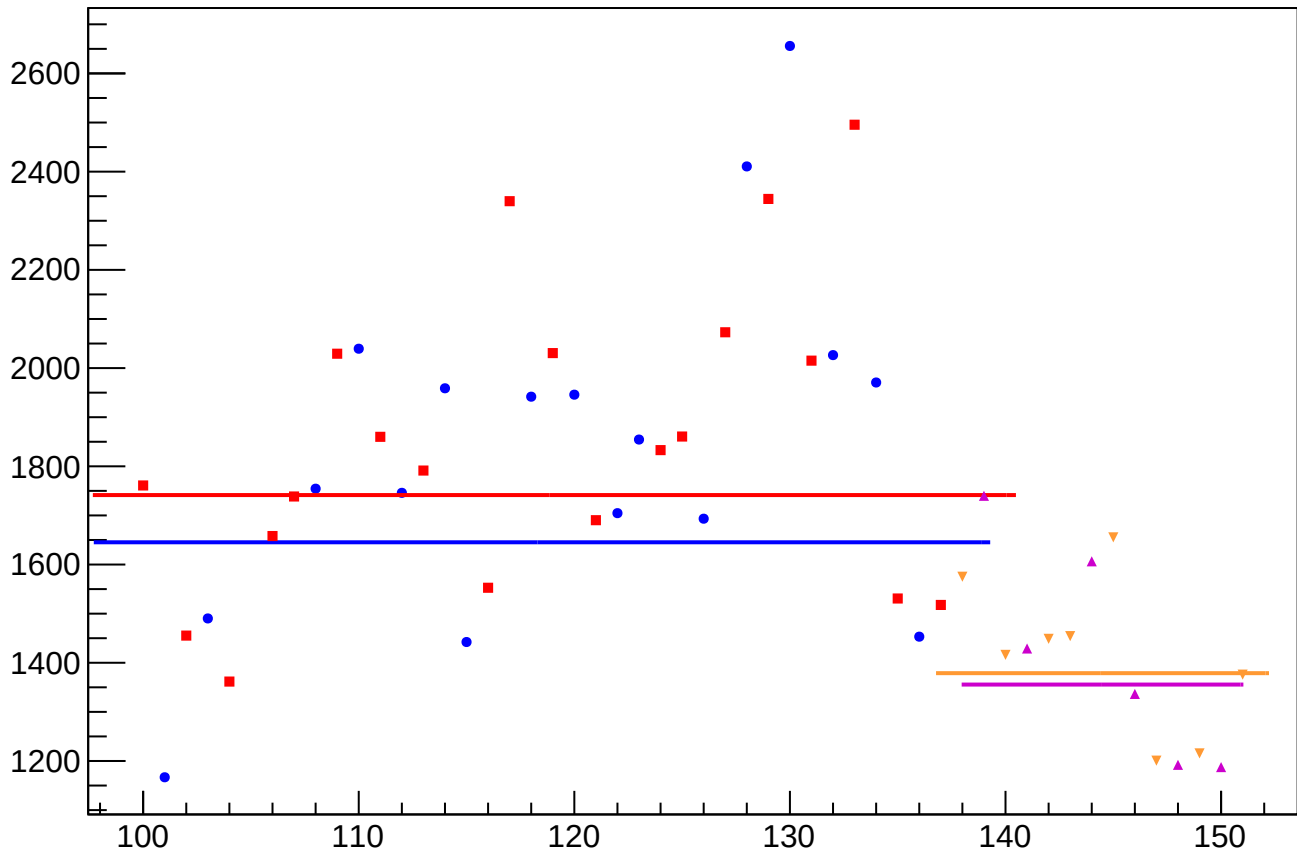
Left In: 47.471+/-618.717 χ^2/NDF : 4.5/5

784.952+/-434.106 χ^2/NDF : 24.7/24

148.858+/-313.027 χ^2/NDF : 51.3/50

-540.140+/-451.797 χ^2/NDF : 22.1/25

asym_usr_correction_rms vs Slug, Sign Corrected



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

Left Out: 1378.834 ± 0.410 χ^2/NDF : 134971.3/7

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

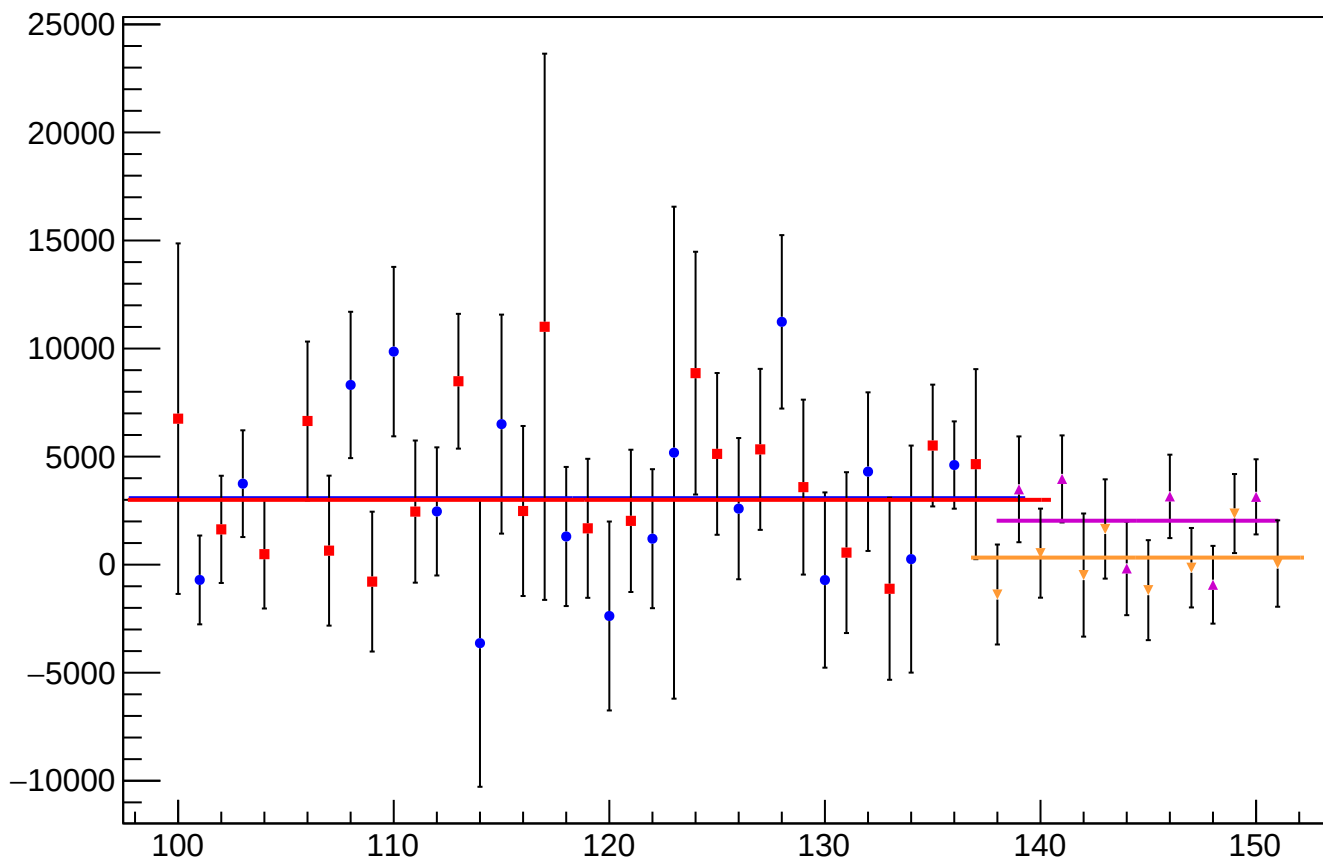
Left In: 1355.615 ± 0.437 χ^2/NDF : 181864.9/5

1495.783 ± 0.307 χ^2/NDF : 921472.9/24

1514.955 ± 0.221 χ^2/NDF : 1851235.0/50

1535.721 ± 0.319 χ^2/NDF : 921635.5/25

asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 327.043 $\pm$ 752.370 χ^2/NDF : 2.7/7

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

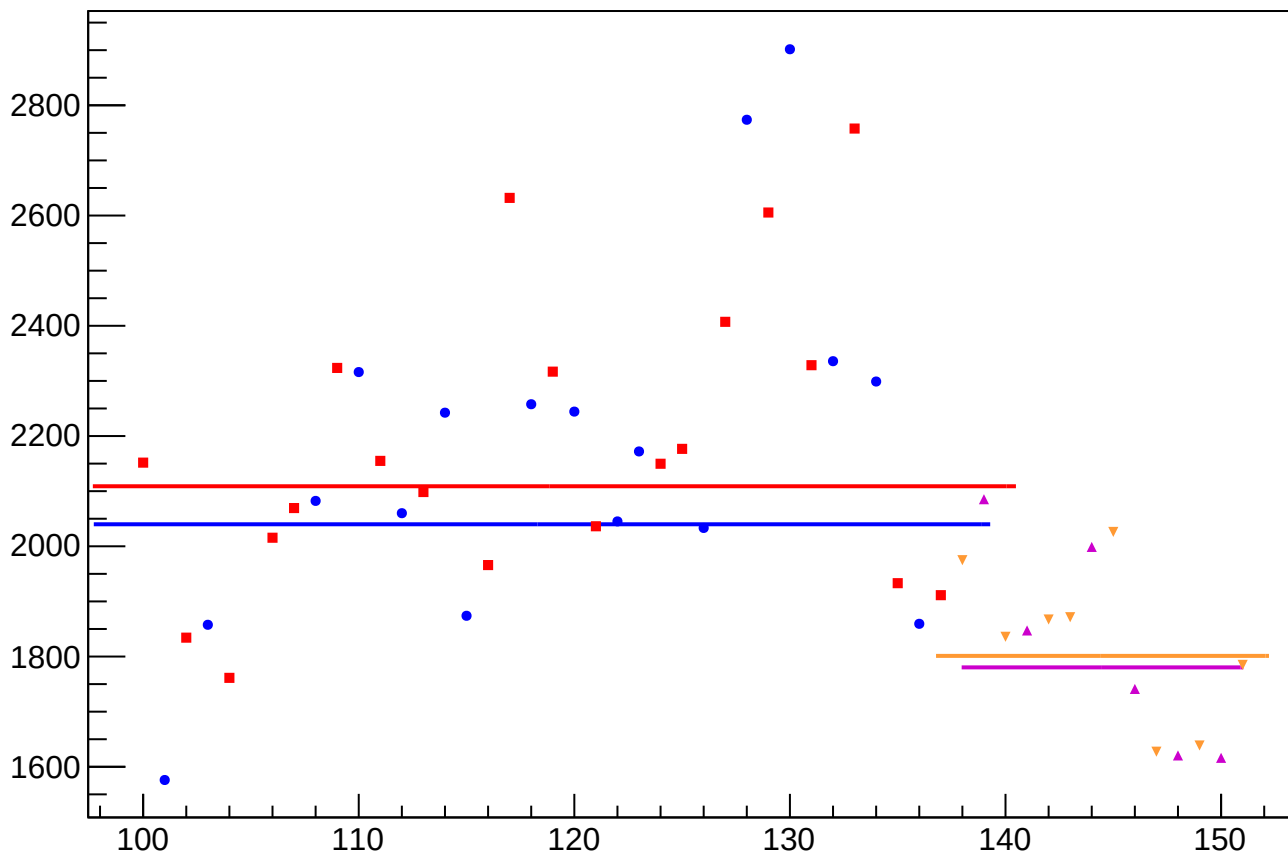
Left In: 2033.056 $\pm$ 807.034 χ^2/NDF : 5.8/5

1613.132 $\pm$ 548.793 χ^2/NDF : 27.6/24

2054.490 $\pm$ 394.004 χ^2/NDF : 47.7/50

2523.992 $\pm$ 566.019 χ^2/NDF : 18.8/25

asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1801.201 $\pm$ 0.532 χ^2/NDF : 67451.2/7

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

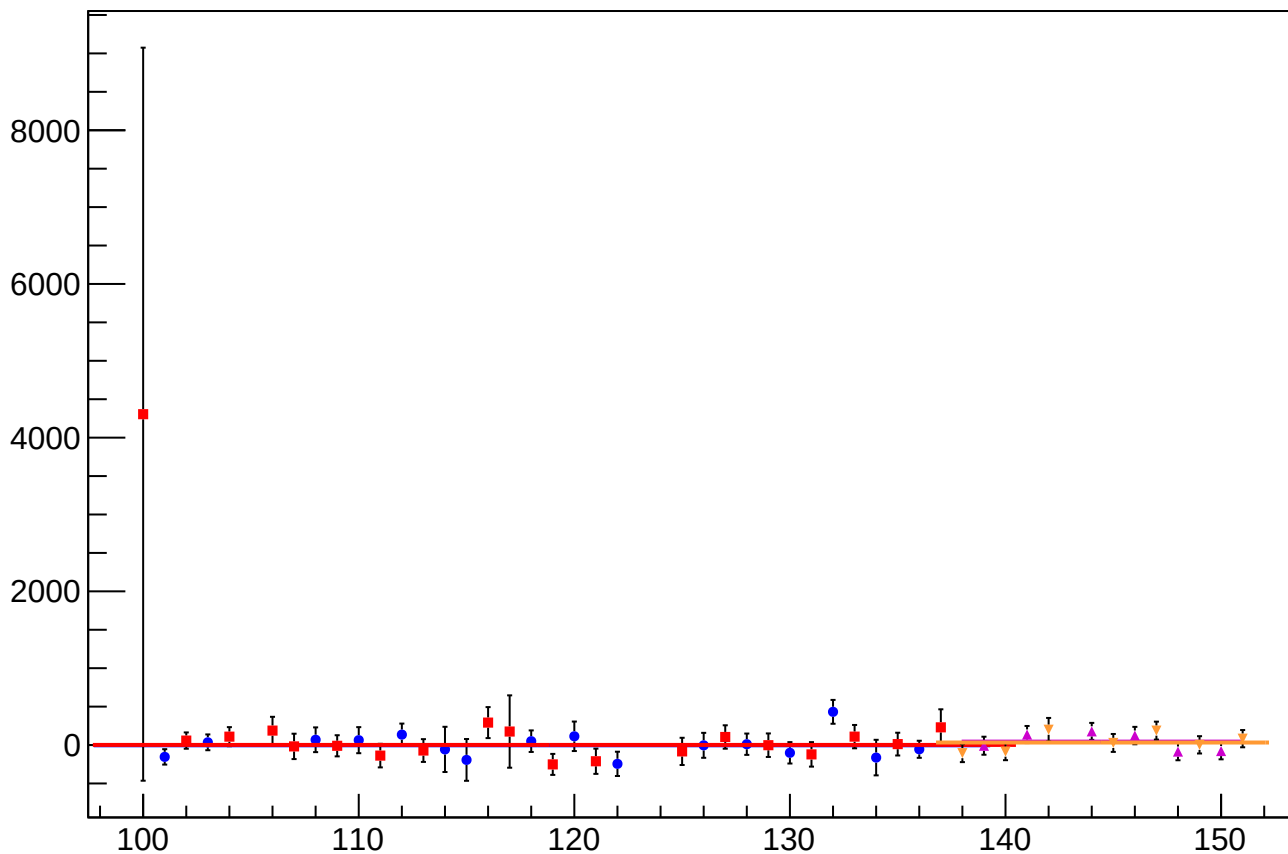
Left In: 1780.338 $\pm$ 0.571 χ^2/NDF : 88073.1/5

1912.919 $\pm$ 0.388 χ^2/NDF : 493672.1/24

1929.570 $\pm$ 0.279 χ^2/NDF : 952873.7/50

1947.283 $\pm$ 0.400 χ^2/NDF : 455401.8/25

reg_asym_dsl_mean vs Slug, Sign Corrected



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

Left Out: 32.752 ± 44.660 χ^2/NDF : 5.7/6

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

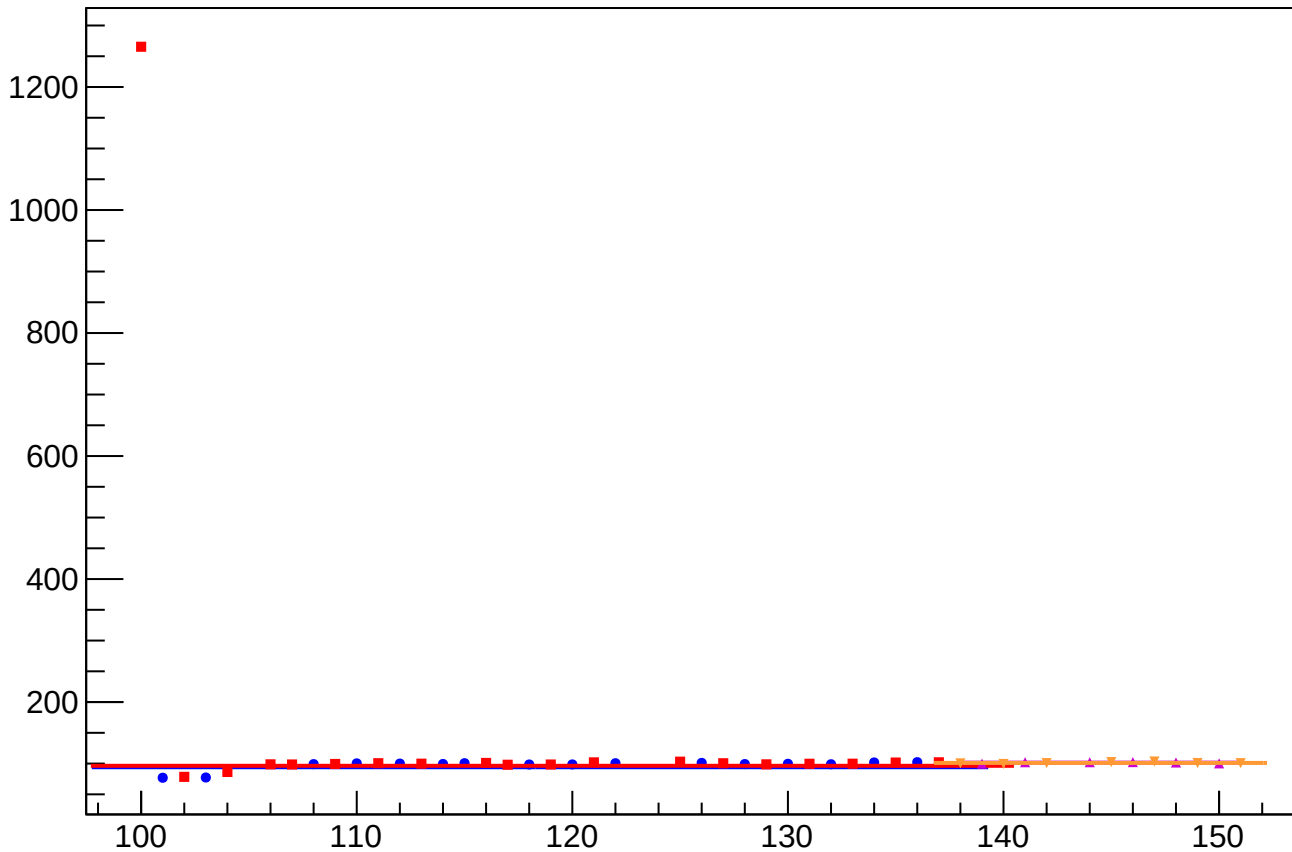
Left In: 44.486 ± 45.739 χ^2/NDF : 5.4/5

11.249 ± 28.361 χ^2/NDF : 22.3/22

14.749 ± 20.128 χ^2/NDF : 42.4/47

18.300 ± 28.571 χ^2/NDF : 20.1/24

reg_asym_dsl_rms vs Slug, Sign Corrected



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

Left Out: 101.083 $\pm$ 0.032 χ^2 /NDF:1585.5/6

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

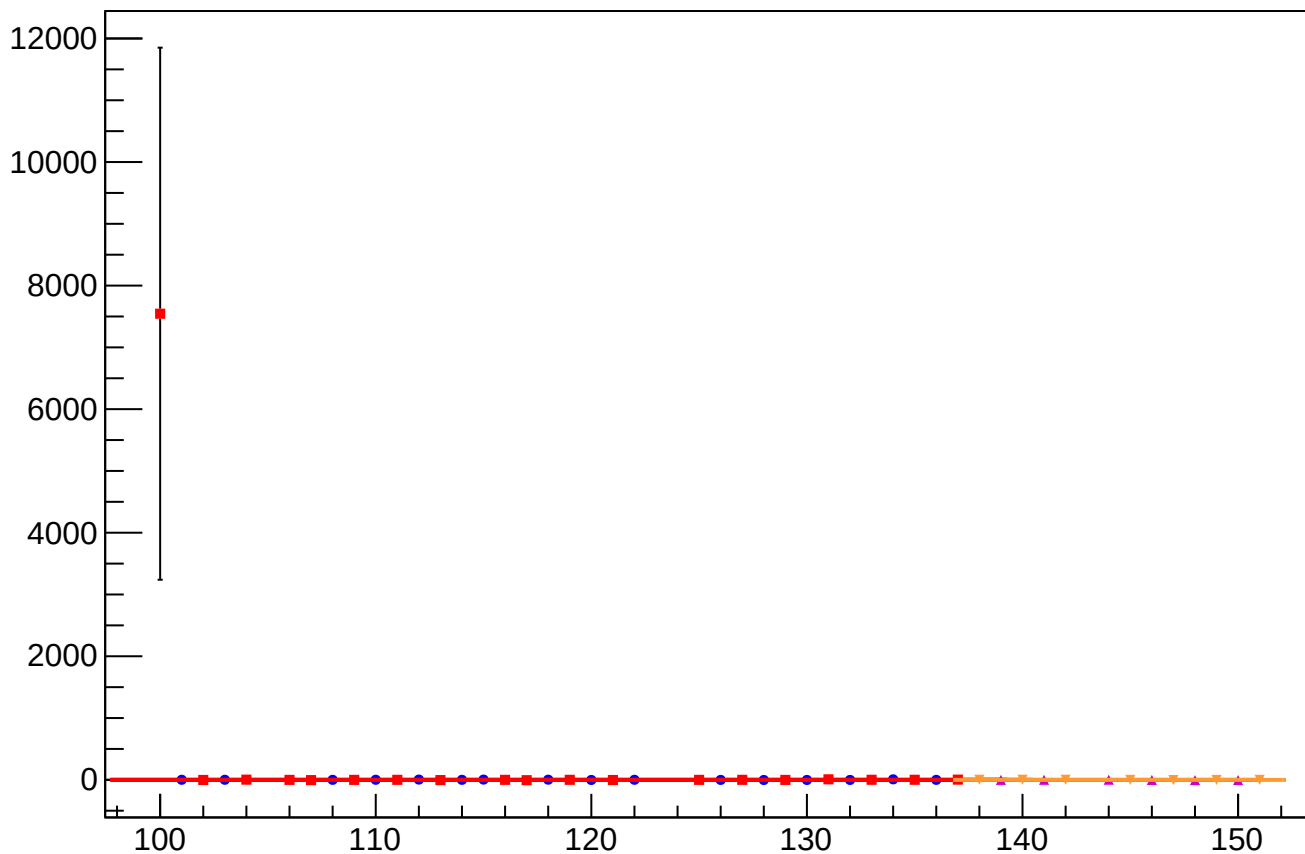
Left In: 101.477 $\pm$ 0.032 χ^2 /NDF:936.7/5

96.897 $\pm$ 0.020 χ^2 /NDF: 183315.0/22

97.628 $\pm$ 0.014 χ^2 /NDF: 411312.5/47

98.370 $\pm$ 0.020 χ^2 /NDF: 225319.5/24

asym_dsl_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.701+/-0.769 χ^2/NDF : 6.2/6

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

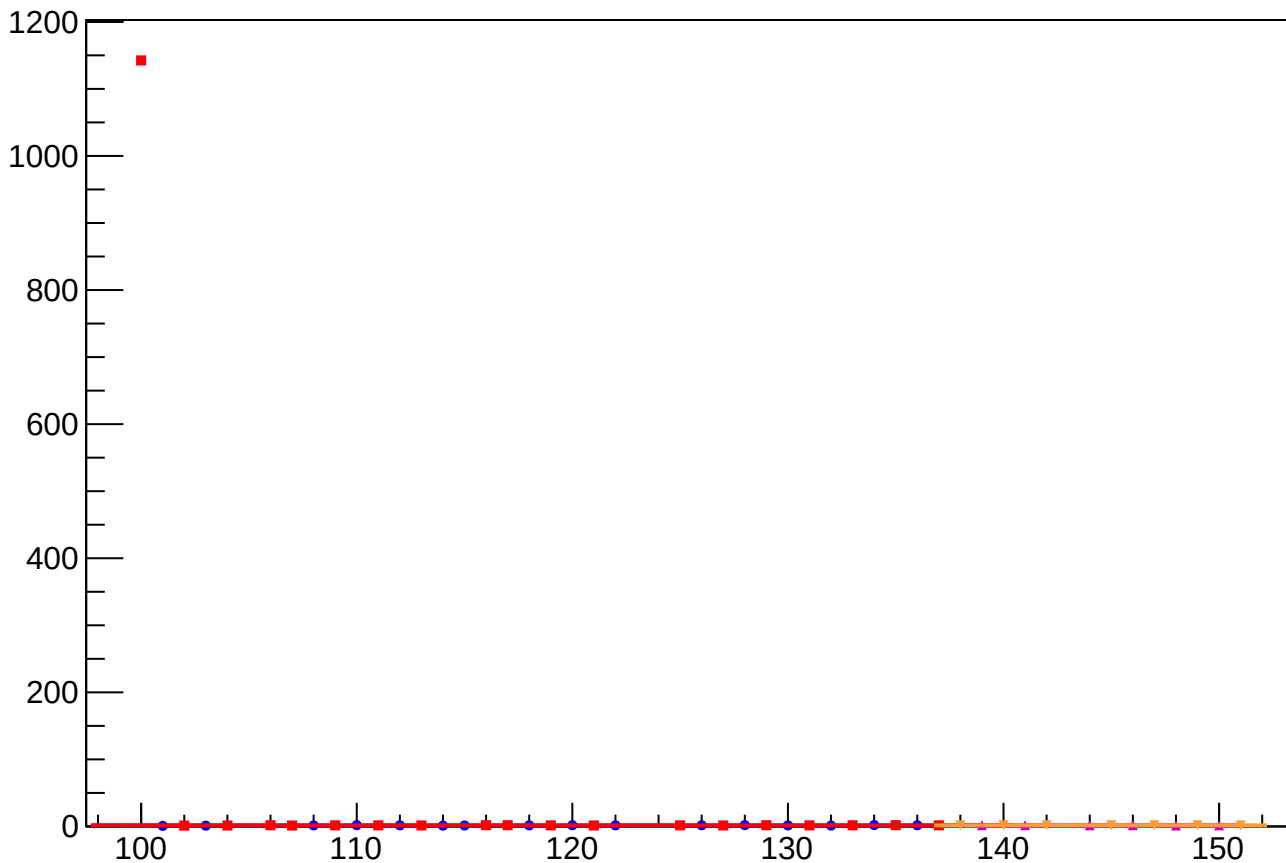
Left In: -1.219+/-0.831 χ^2/NDF : 7.0/5

-0.014+/-0.481 χ^2/NDF : 17.3/22

-0.322+/-0.349 χ^2/NDF : 49.0/47

-0.666+/-0.508 χ^2/NDF : 30.8/24

asym_dsl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.604 $\pm$ 0.001 χ^2 /NDF: 27069.5/6

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

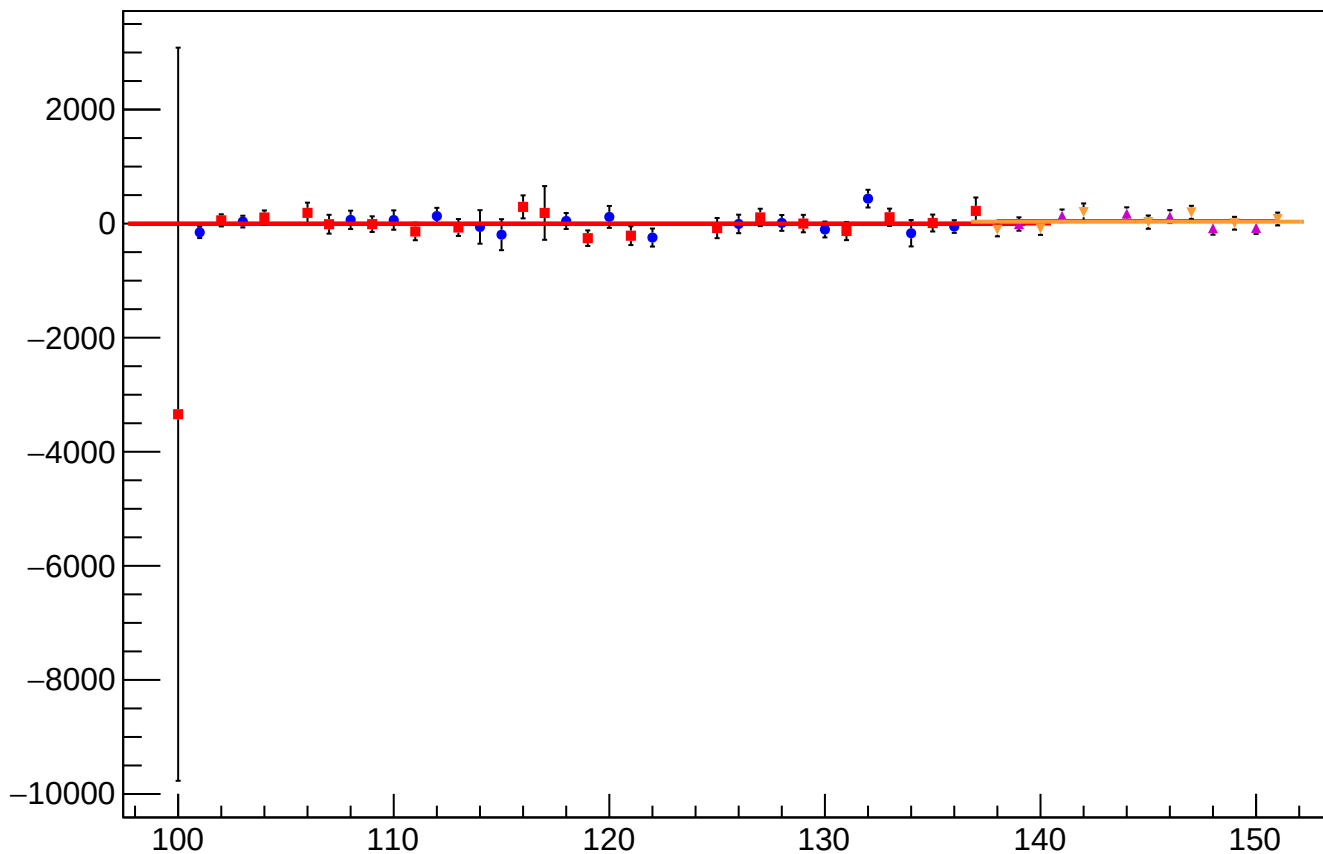
Left In: 1.720 $\pm$ 0.001 χ^2 /NDF: 52850.5/5

1.492 $\pm$ 0.000 χ^2 /NDF: 827984.9/22

1.551 $\pm$ 0.000 χ^2 /NDF: 1312976.5/47

1.618 $\pm$ 0.000 χ^2 /NDF: 419636.3/24

asym_dsl_mean vs Slug, Sign Corrected



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

Left Out: 33.852+/-44.672 χ^2/NDF : 6.0/6

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

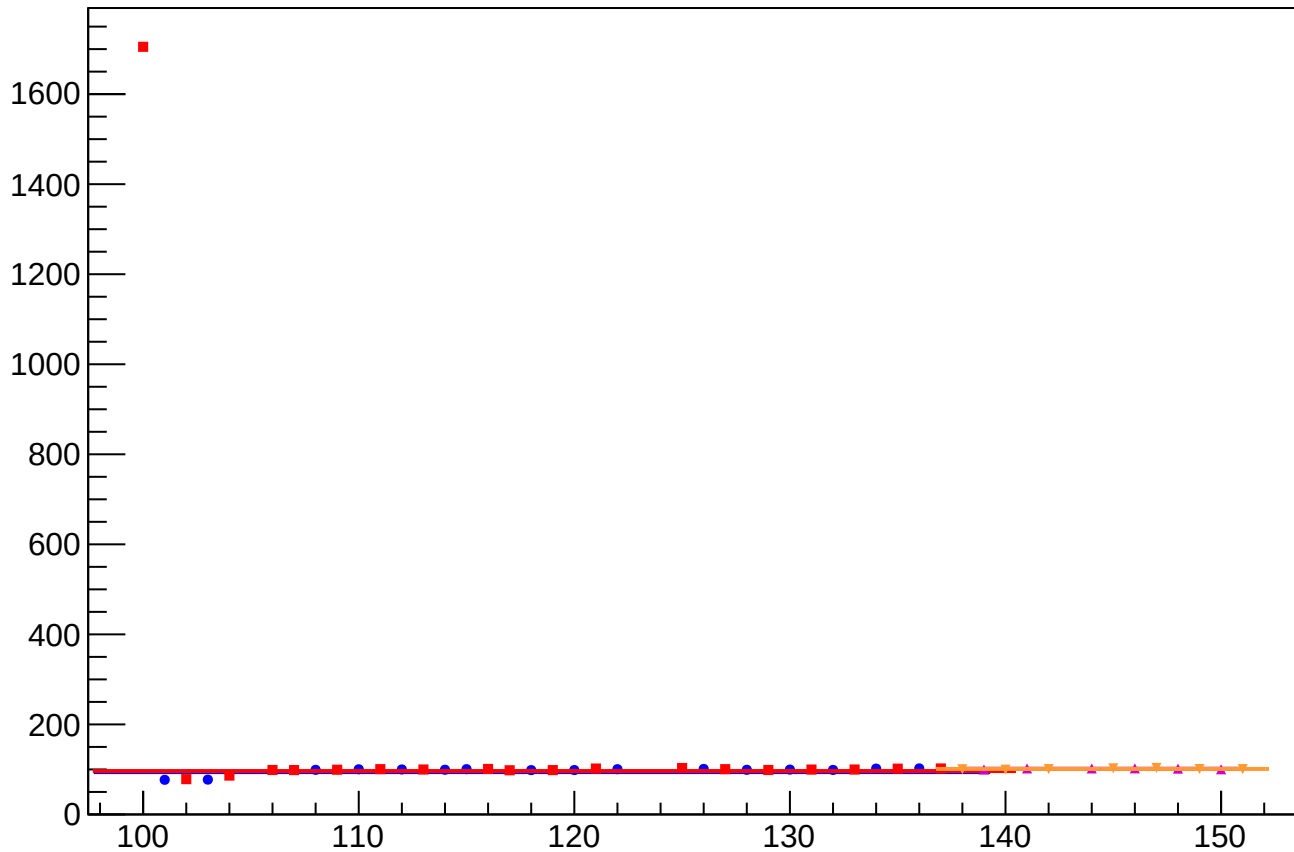
Left In: 45.587+/-45.752 χ^2/NDF : 5.2/5

11.803+/-28.368 χ^2/NDF : 22.7/22

15.167+/-20.133 χ^2/NDF : 42.2/47

18.581+/-28.579 χ^2/NDF : 19.5/24

asym_dsl_rms vs Slug, Sign Corrected



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

Left Out: 101.109+/-0.032 χ^2/NDF : 1584.4/6

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

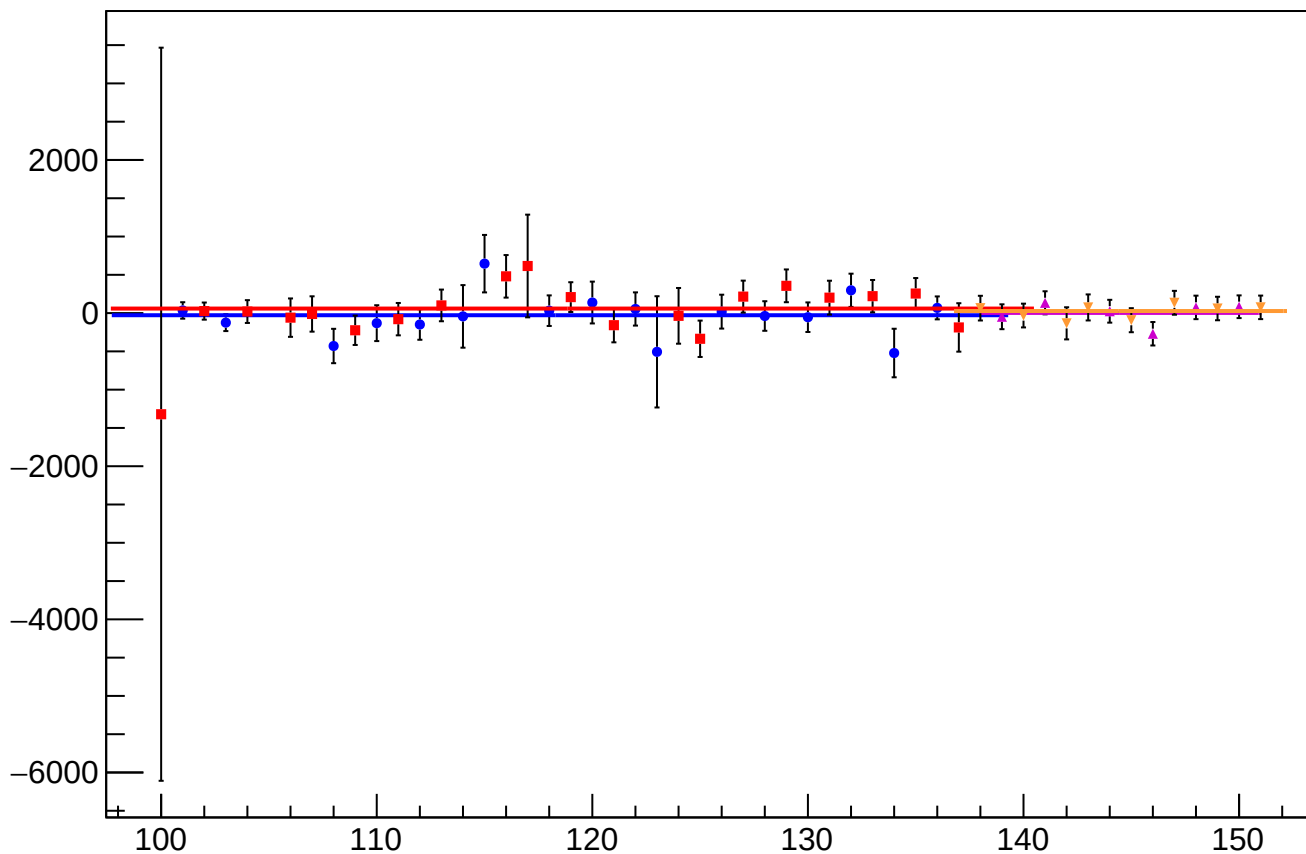
Left In: 101.504+/-0.032 χ^2/NDF : 937.7/5

96.922+/-0.020 χ^2/NDF : 183334.5/22

97.649+/-0.014 χ^2/NDF : 416531.8/47

98.386+/-0.020 χ^2/NDF : 230554.0/24

reg_asym_dsr_mean vs Slug, Sign Corrected



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

Left Out: 26.918 ± 57.368 χ^2/NDF : 2.1/7

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

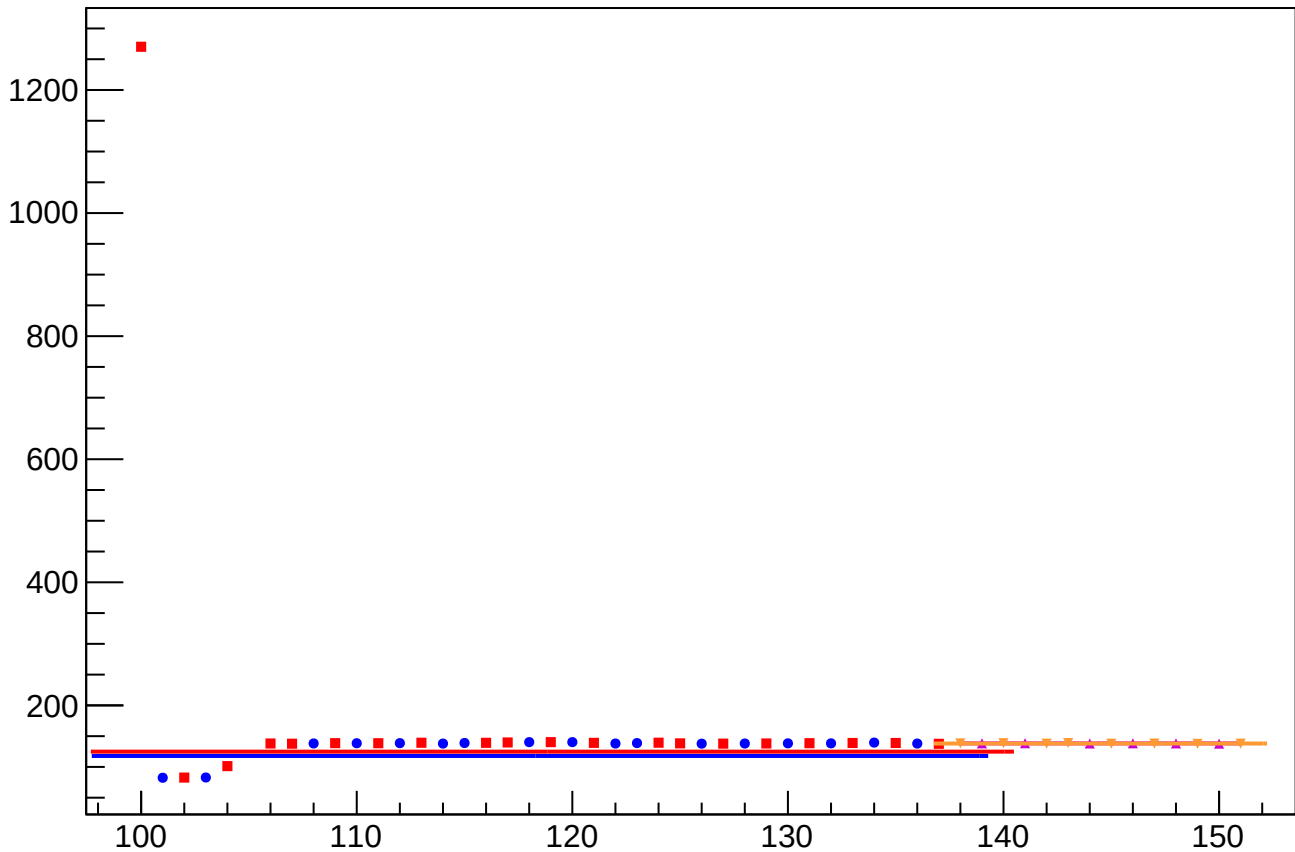
Left In: 2.471 ± 62.313 χ^2/NDF : 4.6/5

-5.973 ± 36.253 χ^2/NDF : 16.9/24

15.232 ± 26.171 χ^2/NDF : 38.3/50

38.309 ± 37.820 χ^2/NDF : 20.7/25

reg_asym_dsr_rms vs Slug, Sign Corrected



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

Left Out: 138.030+/-0.041 χ^2/NDF : 97.8/7

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

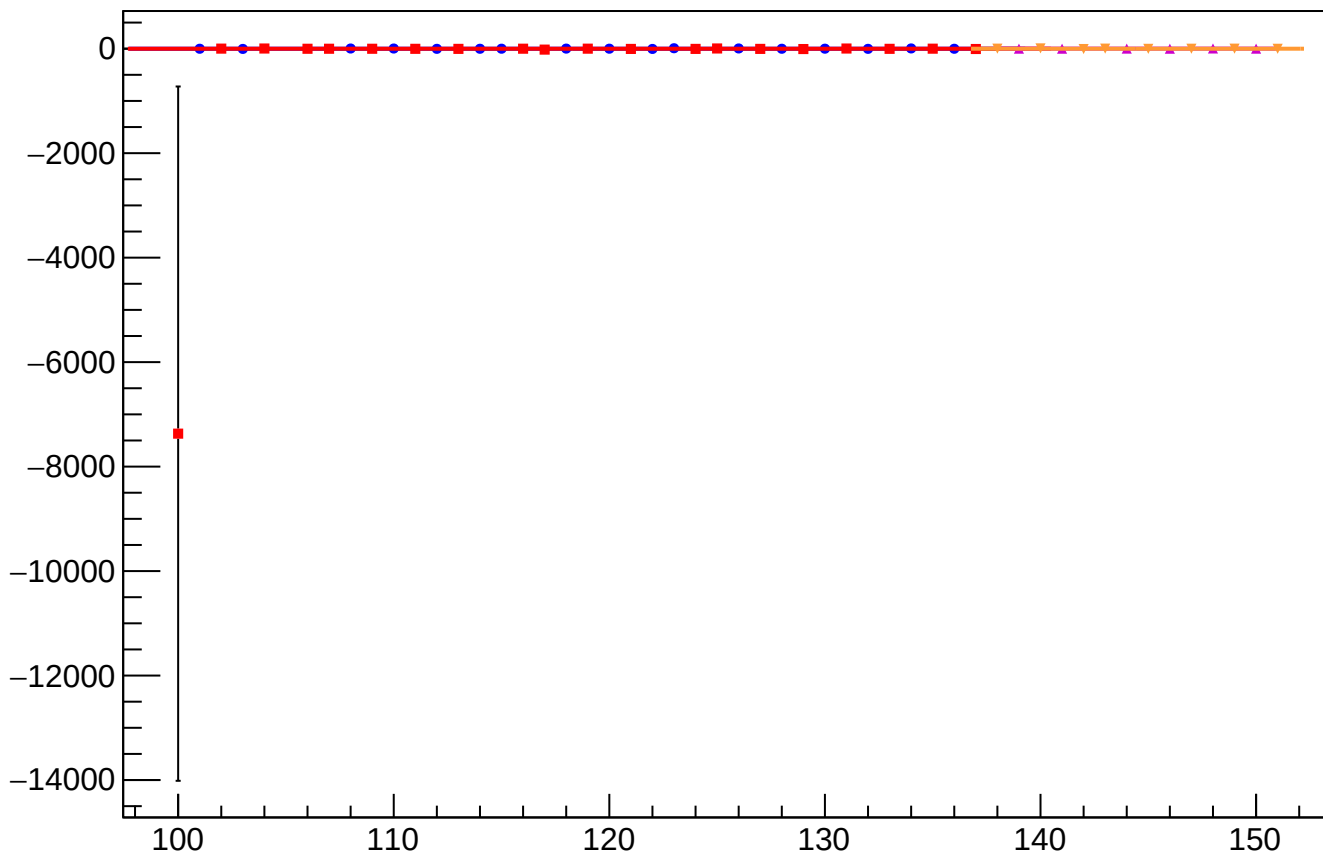
Left In: 138.248+/-0.044 χ^2/NDF : 27.1/5

125.888+/-0.026 χ^2/NDF : 815847.7/24

127.751+/-0.019 χ^2/NDF : 1456165.8/50

129.778+/-0.027 χ^2/NDF : 629287.6/25

asym_dsr_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.182 ± 0.964 χ^2/NDF : 8.2/7

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

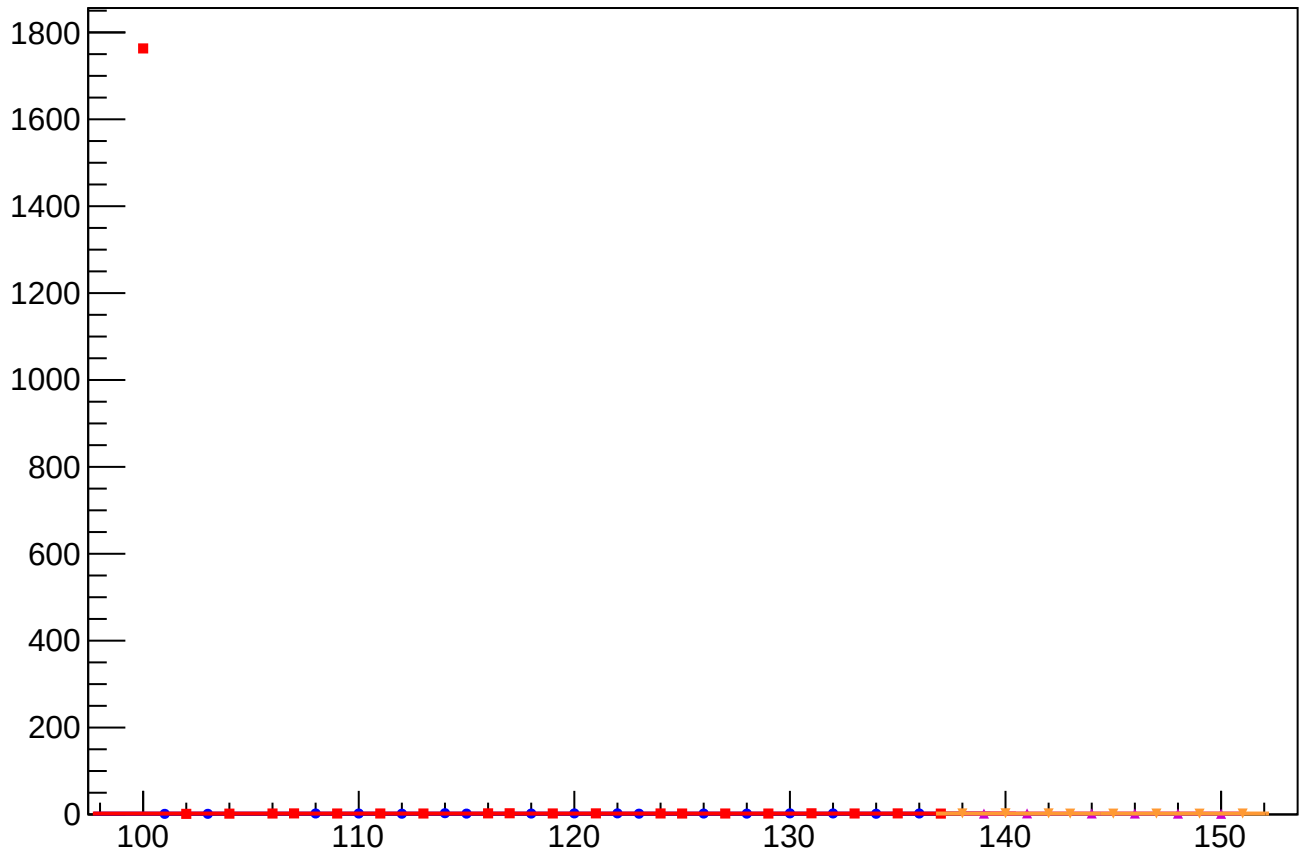
Left In: 1.376 ± 1.024 χ^2/NDF : 2.2/5

-0.483 ± 0.620 χ^2/NDF : 21.0/24

-0.190 ± 0.450 χ^2/NDF : 41.5/50

0.135 ± 0.654 χ^2/NDF : 20.0/25

asym_dsr_correction_rms vs Slug, Sign Corrected



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

Left Out: 2.111 $\pm$ 0.001 χ^2 /NDF: 134170.8/7

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

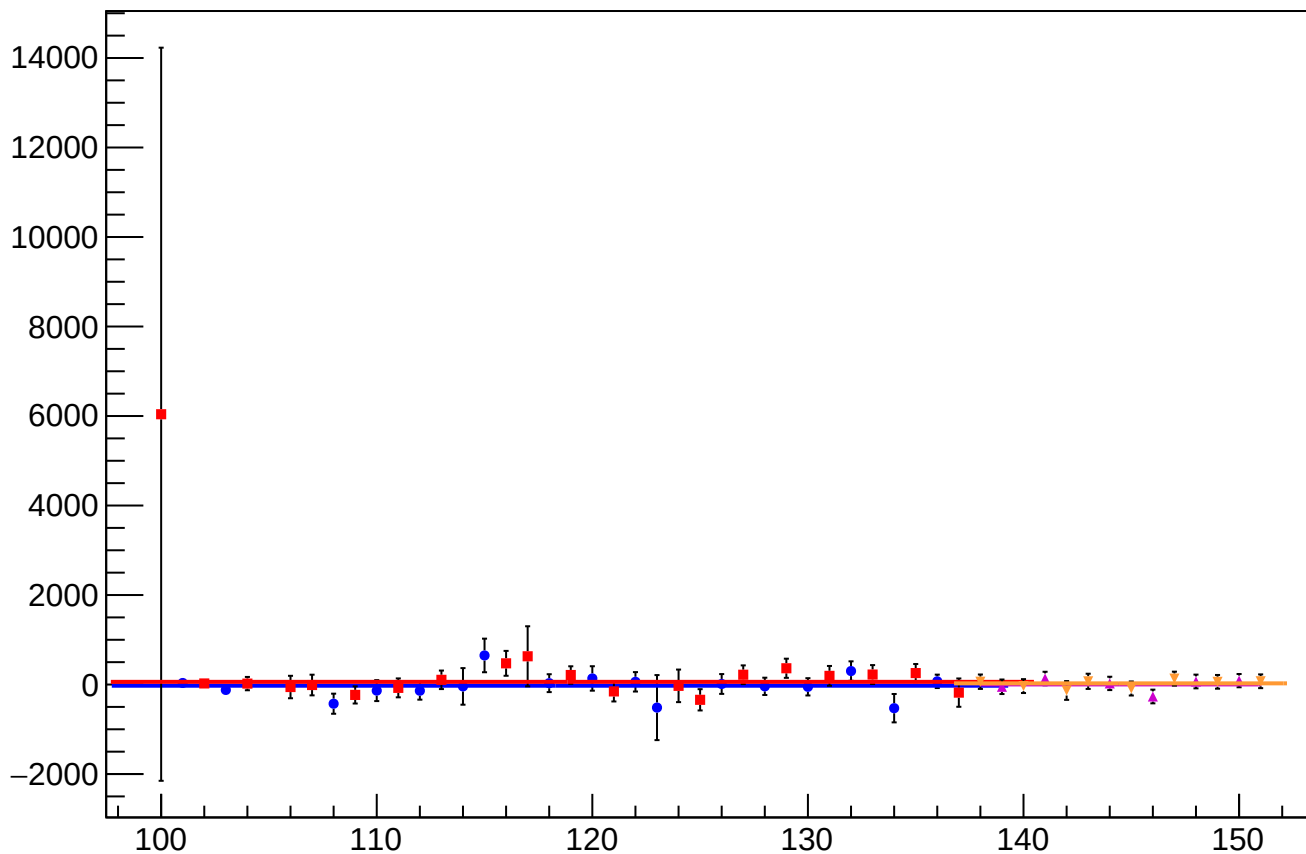
Left In: 2.005 $\pm$ 0.001 χ^2 /NDF: 200071.9/5

1.969 $\pm$ 0.000 χ^2 /NDF: 700864.7/24

2.004 $\pm$ 0.000 χ^2 /NDF: 1448857.2/50

2.042 $\pm$ 0.000 χ^2 /NDF: 734829.0/25

asym_dsr_mean vs Slug, Sign Corrected



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

Left Out: 26.278+/-57.383 χ^2/NDF : 2.0/7

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

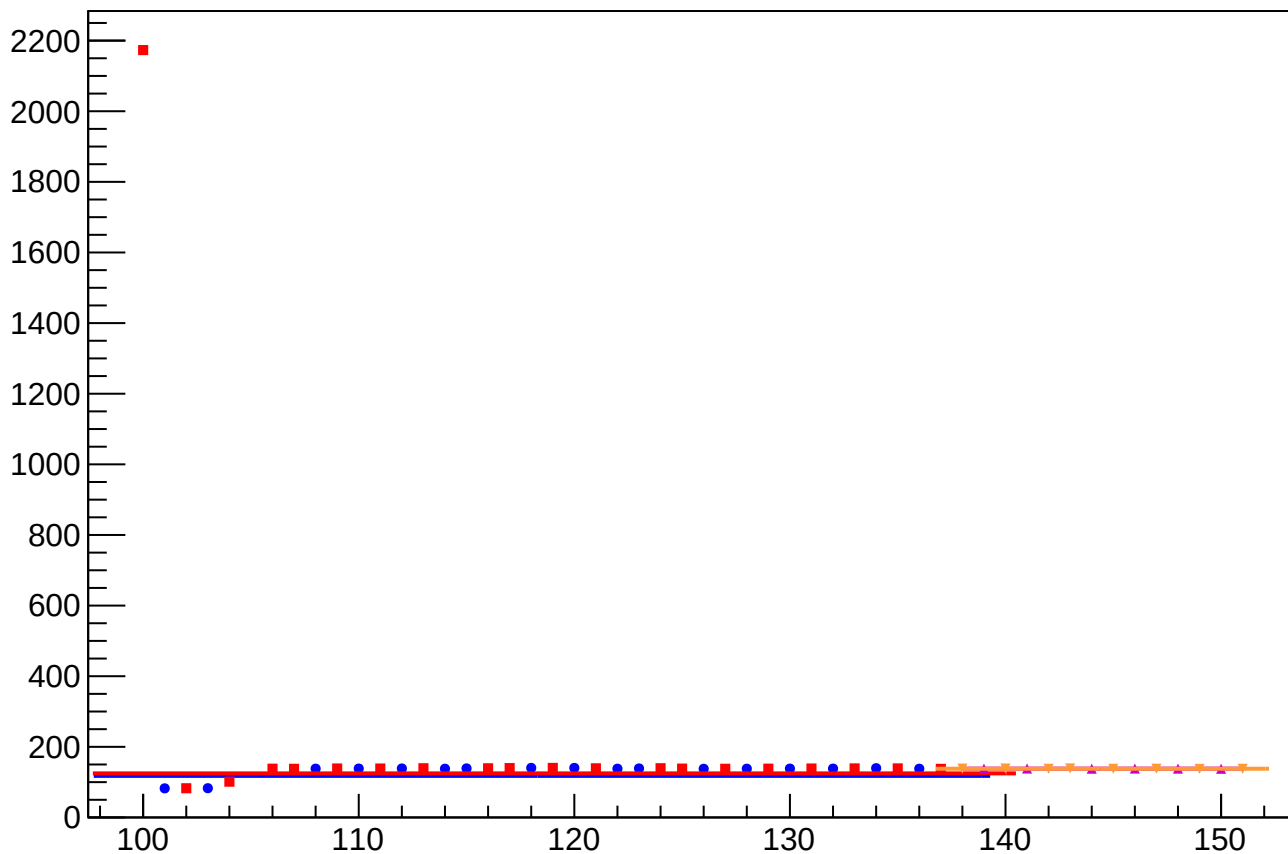
Left In: 2.424+/-62.330 χ^2/NDF : 4.5/5

-5.278+/-36.263 χ^2/NDF : 16.8/24

15.871+/-26.178 χ^2/NDF : 38.8/50

38.890+/-37.831 χ^2/NDF : 21.3/25

asym_dsr_rms vs Slug, Sign Corrected



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

Left Out: 138.066 $\pm$ 0.041 χ^2 /NDF: 97.8/7

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

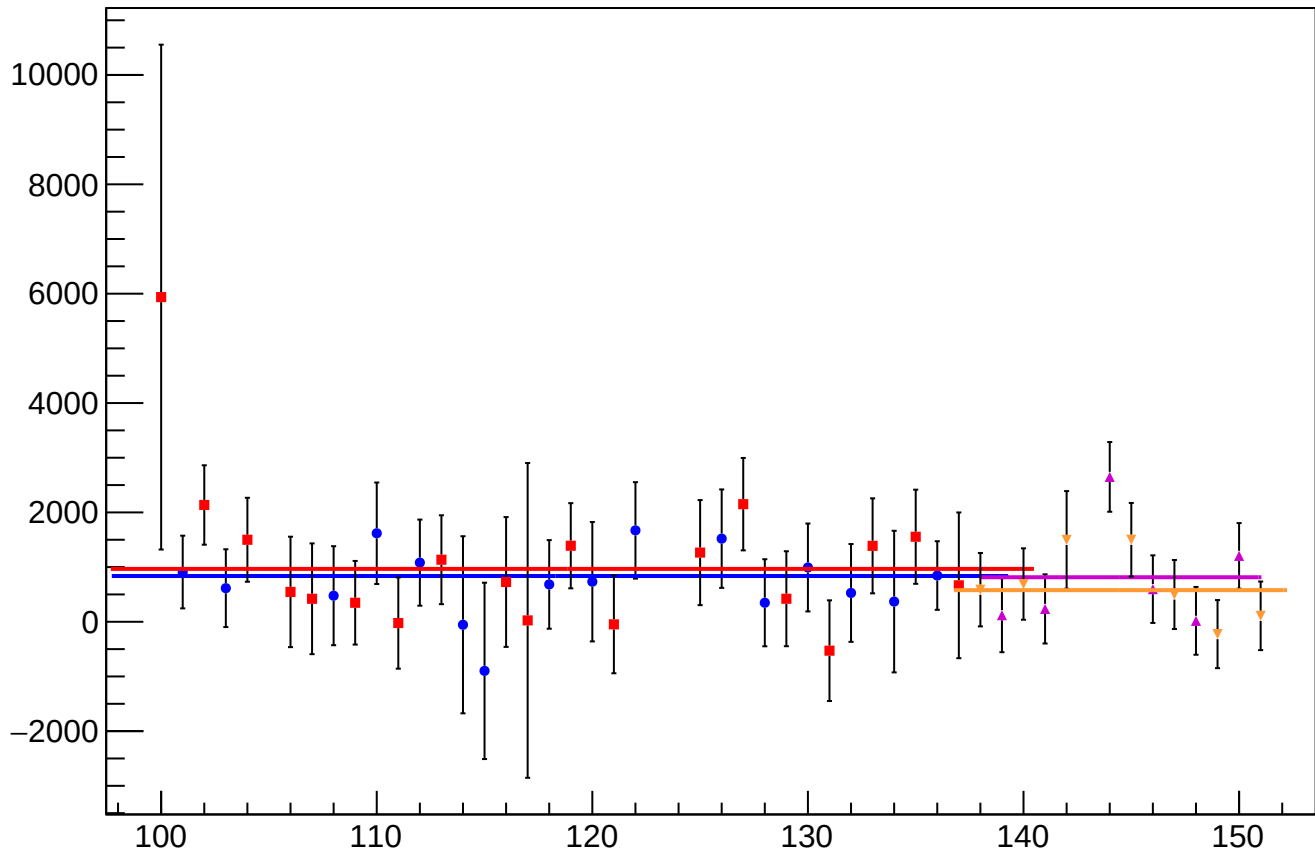
Left In: 138.284 $\pm$ 0.044 χ^2 /NDF: 27.1/5

125.921 $\pm$ 0.026 χ^2 /NDF: 815874.2/24

127.772 $\pm$ 0.019 χ^2 /NDF: 1466998.7/50

129.785 $\pm$ 0.027 χ^2 /NDF: 640251.7/25

reg_asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 578.461 $\pm$ 252.708 χ^2 /NDF: 5.2/6

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

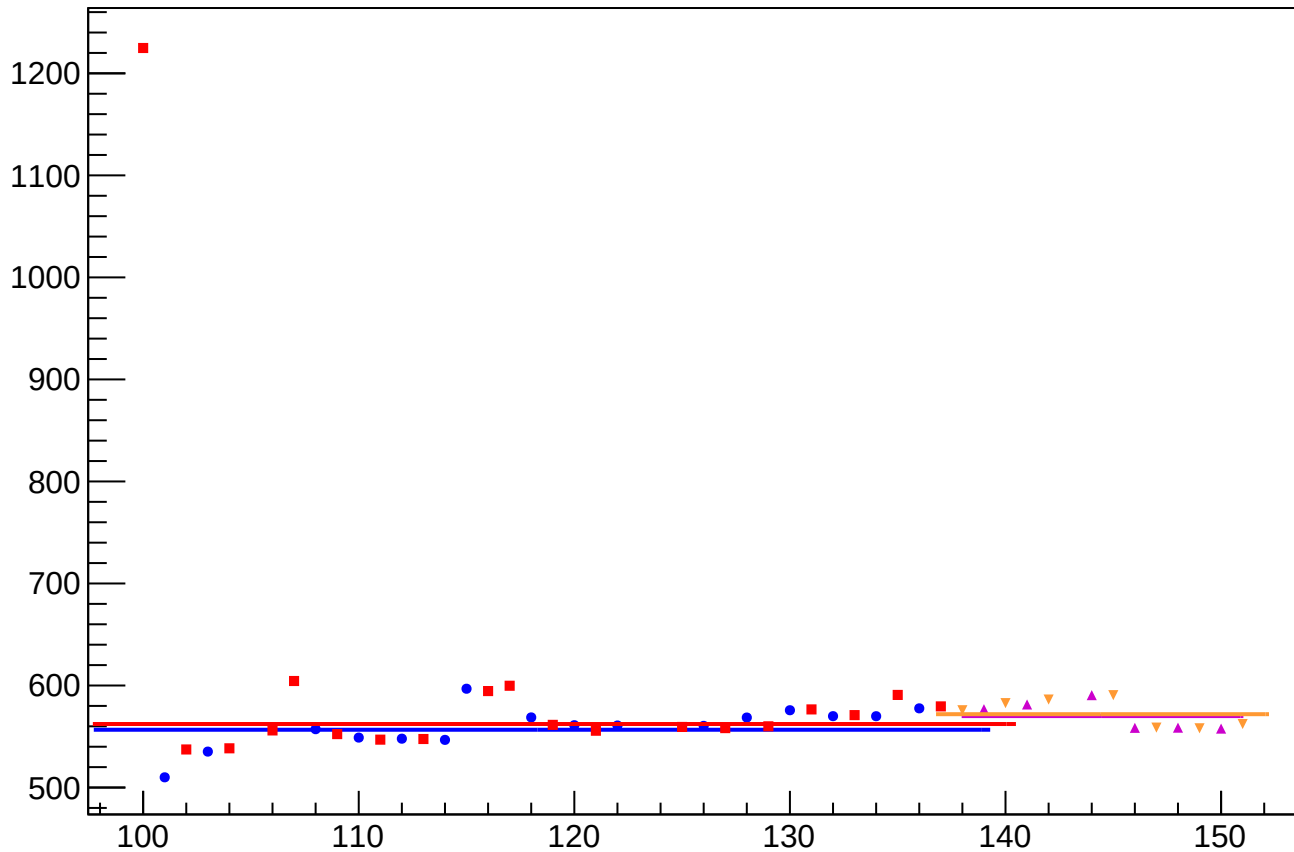
Left In: 814.339 $\pm$ 256.986 χ^2 /NDF: 12.4/5

727.777 $\pm$ 164.274 χ^2 /NDF: 10.5/22

816.890 $\pm$ 115.924 χ^2 /NDF: 38.1/47

905.286 $\pm$ 163.612 χ^2 /NDF: 27.0/24

reg_asym_left_avg_rms vs Slug, Sign Corrected



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

Left Out: 571.887 ± 0.179 χ^2/NDF : 4994.9/6

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

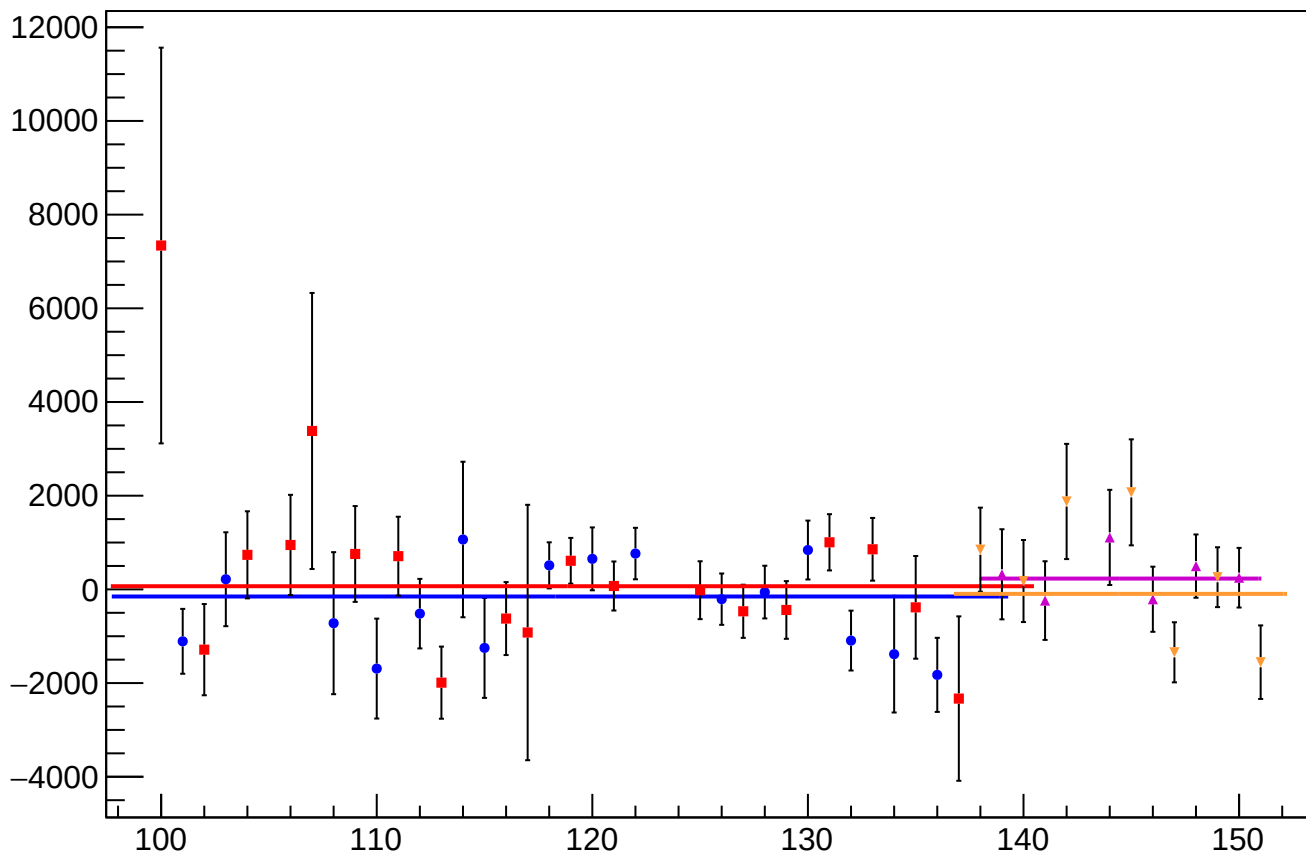
Left In: 570.033 ± 0.182 χ^2/NDF : 5119.6/5

563.081 ± 0.116 χ^2/NDF : 27591.9/22

564.248 ± 0.082 χ^2/NDF : 89919.4/47

565.406 ± 0.116 χ^2/NDF : 62126.3/24

asym_left_avg_correction_mean vs Slug, Sign Corrected



Right In: -151.876 $\pm$ 180.078 χ^2/NDF : 22.3/15

Left Out: -95.777 $\pm$ 308.714 χ^2/NDF : 15.0/6

Right Out: 67.516 $\pm$ 178.283 χ^2/NDF : 25.1/18

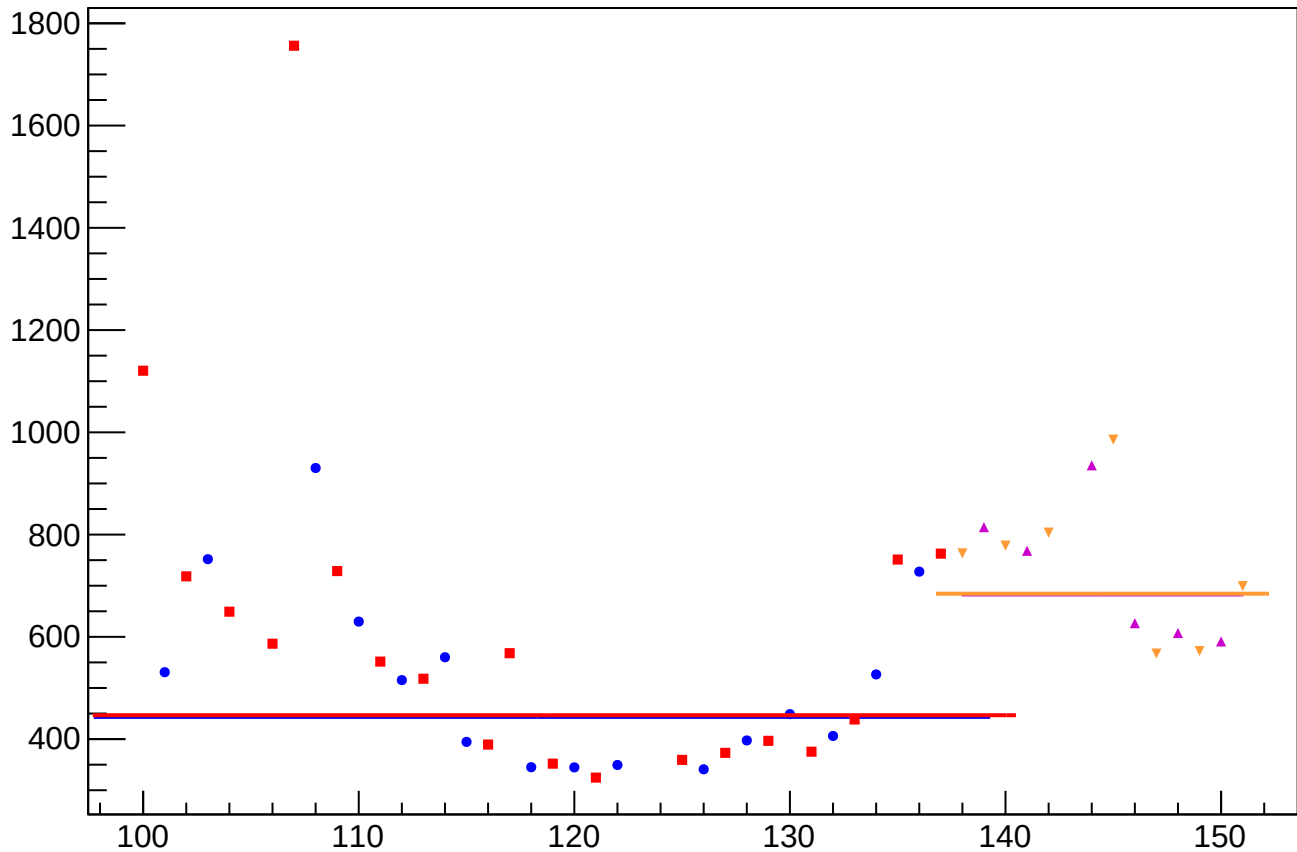
Left In: 230.752 $\pm$ 313.137 χ^2/NDF : 1.6/5

-137.634 $\pm$ 155.549 χ^2/NDF : 37.3/22

-14.592 $\pm$ 109.771 χ^2/NDF : 65.6/47

107.476 $\pm$ 154.932 χ^2/NDF : 27.0/24

asym_left_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 684.375+/-0.218 χ^2/NDF : 328180.5/6

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

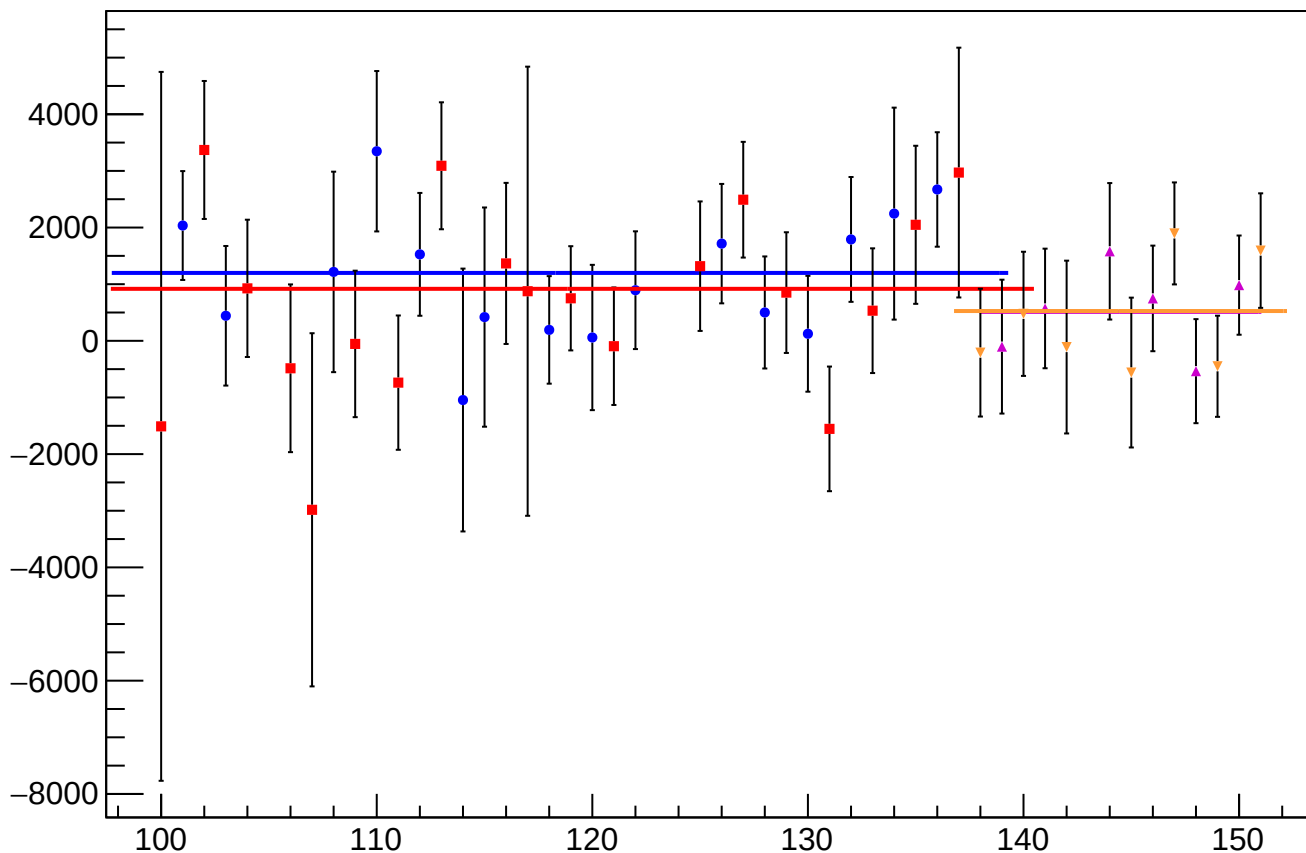
Left In: 682.909+/-0.221 χ^2/NDF : 261369.9/5

504.616+/-0.110 χ^2/NDF : 2297966.0/22

504.558+/-0.078 χ^2/NDF : 4882979.1/47

504.500+/-0.110 χ^2/NDF : 2585012.5/24

asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 525.959 $\pm$ 405.376 χ^2/NDF : 5.9/6

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

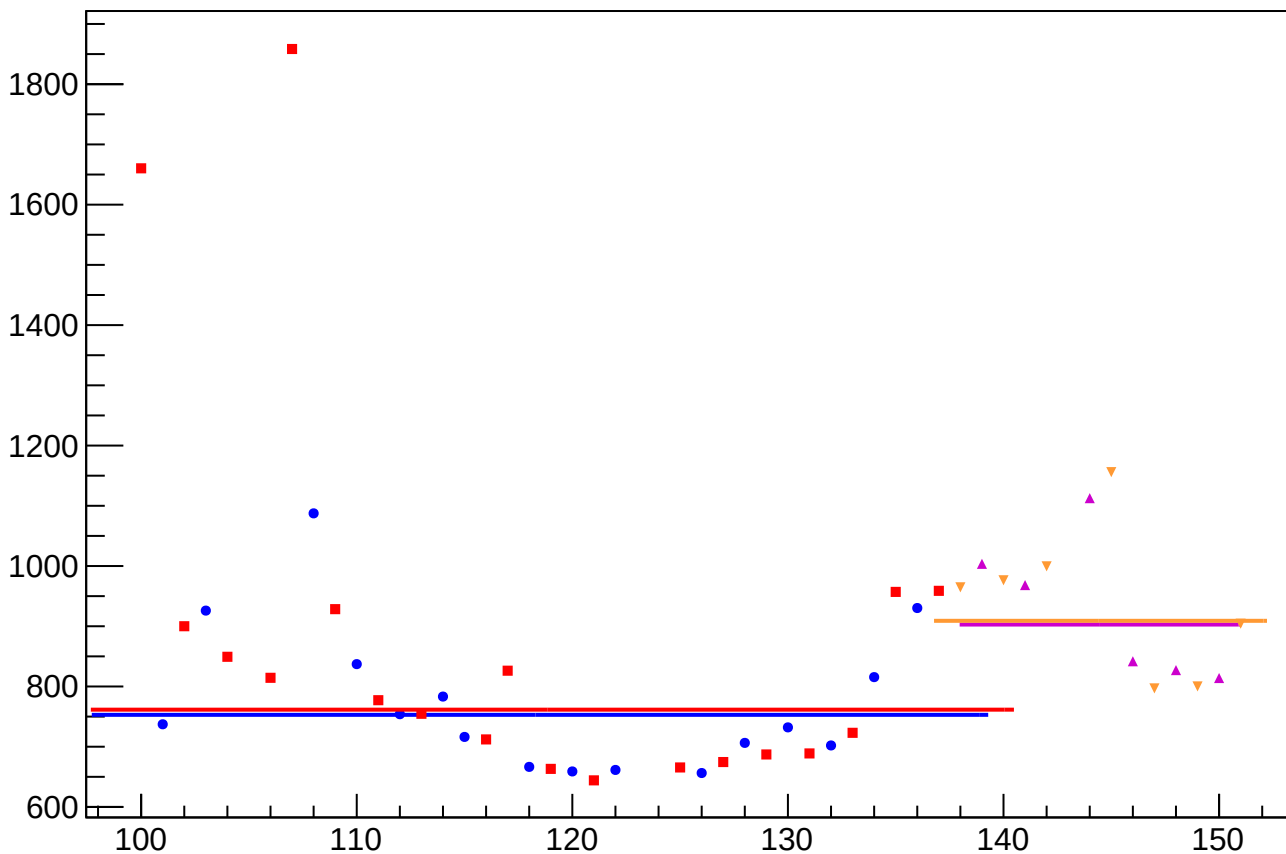
Left In: 511.206 $\pm$ 410.225 χ^2/NDF : 2.7/5

965.708 $\pm$ 238.655 χ^2/NDF : 18.9/22

873.168 $\pm$ 168.578 χ^2/NDF : 45.8/47

781.014 $\pm$ 238.157 χ^2/NDF : 26.6/24

asym_left_avg_rms vs Slug, Sign Corrected



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

Left Out: 909.034+/-0.287 χ^2/NDF :149948.5/6

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

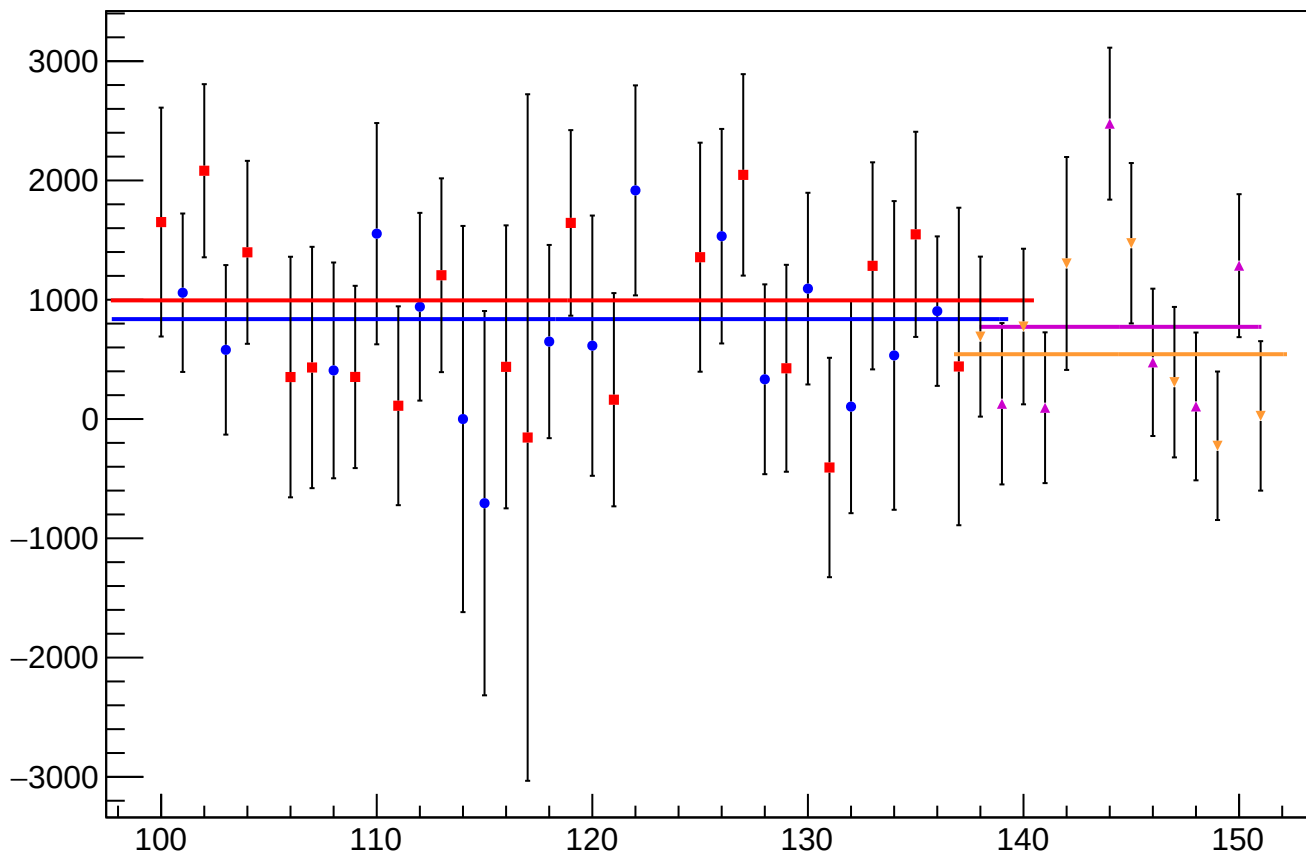
Left In: 902.839+/-0.290 χ^2/NDF :125611.1/5

807.040+/-0.169 χ^2/NDF : 596243.7/22

808.095+/-0.119 χ^2/NDF : 1396969.4/47

809.146+/-0.168 χ^2/NDF : 800647.6/24

reg_asym_left_dd_mean vs Slug, Sign Corrected



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

Left Out: 543.352 ± 252.511 χ^2/NDF : 5.2/6

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

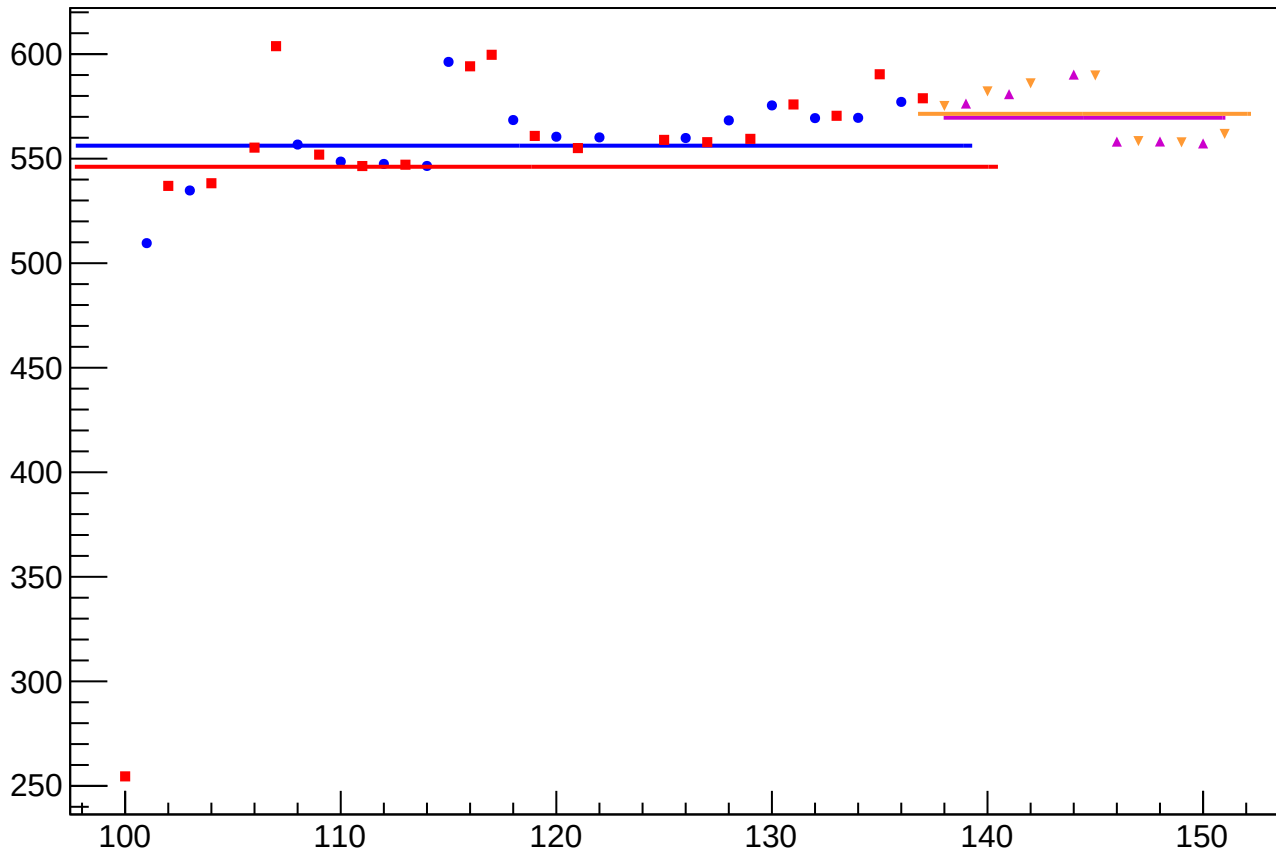
Left In: 772.860 ± 256.785 χ^2/NDF : 11.3/5

713.233 ± 164.147 χ^2/NDF : 11.6/22

811.925 ± 115.034 χ^2/NDF : 36.8/47

907.171 ± 161.256 χ^2/NDF : 24.5/24

reg_asym_left_dd_rms vs Slug, Sign Corrected



Right In: 556.210 ± 0.153 χ^2/NDF : 18417.4/15

Left Out: 571.442 ± 0.179 χ^2/NDF : 4914.7/6

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

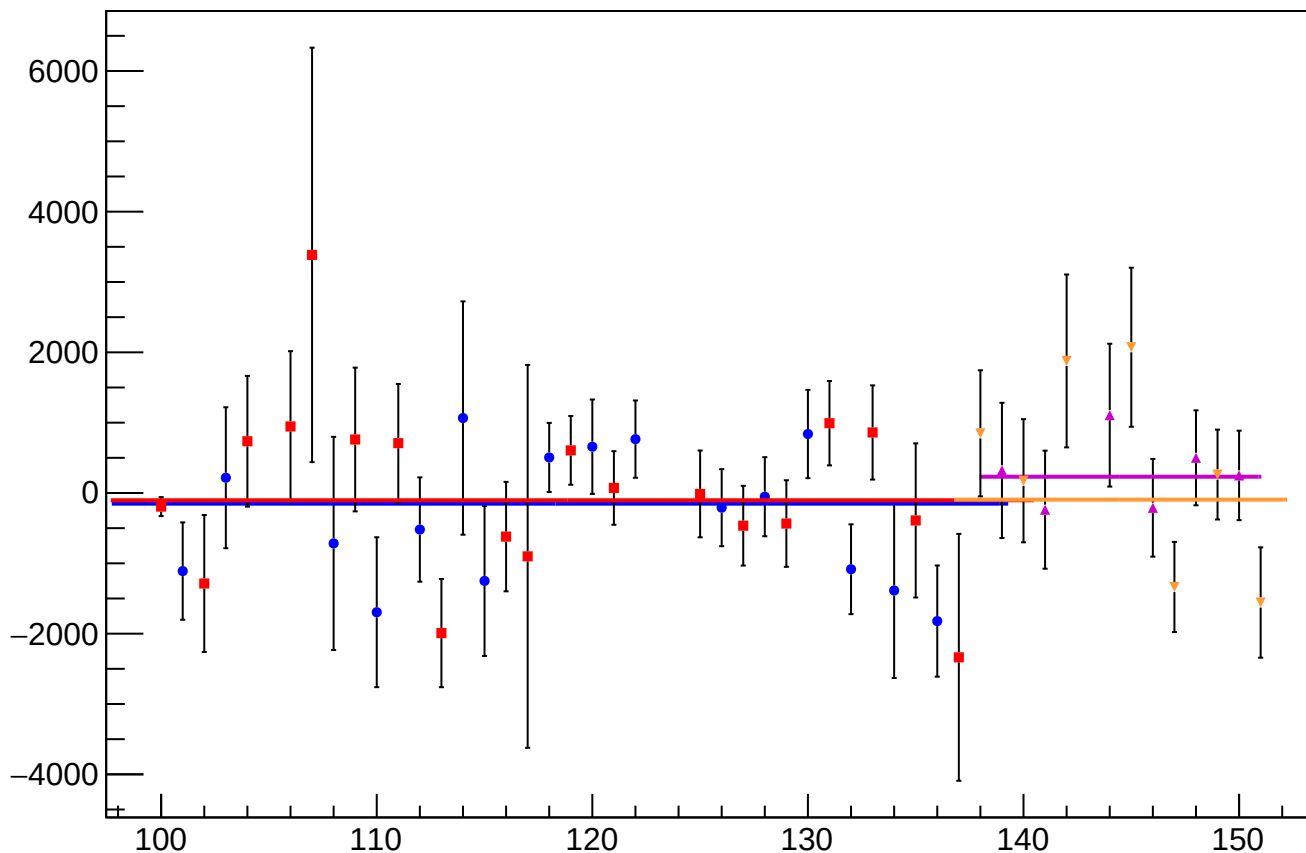
Left In: 569.587 ± 0.182 χ^2/NDF : 5134.8/5

562.647 ± 0.116 χ^2/NDF : 27534.0/22

558.947 ± 0.081 χ^2/NDF : 253114.8/47

555.377 ± 0.114 χ^2/NDF : 223584.4/24

asym_left_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -94.649+/-308.565 χ^2/NDF :15.0/6

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

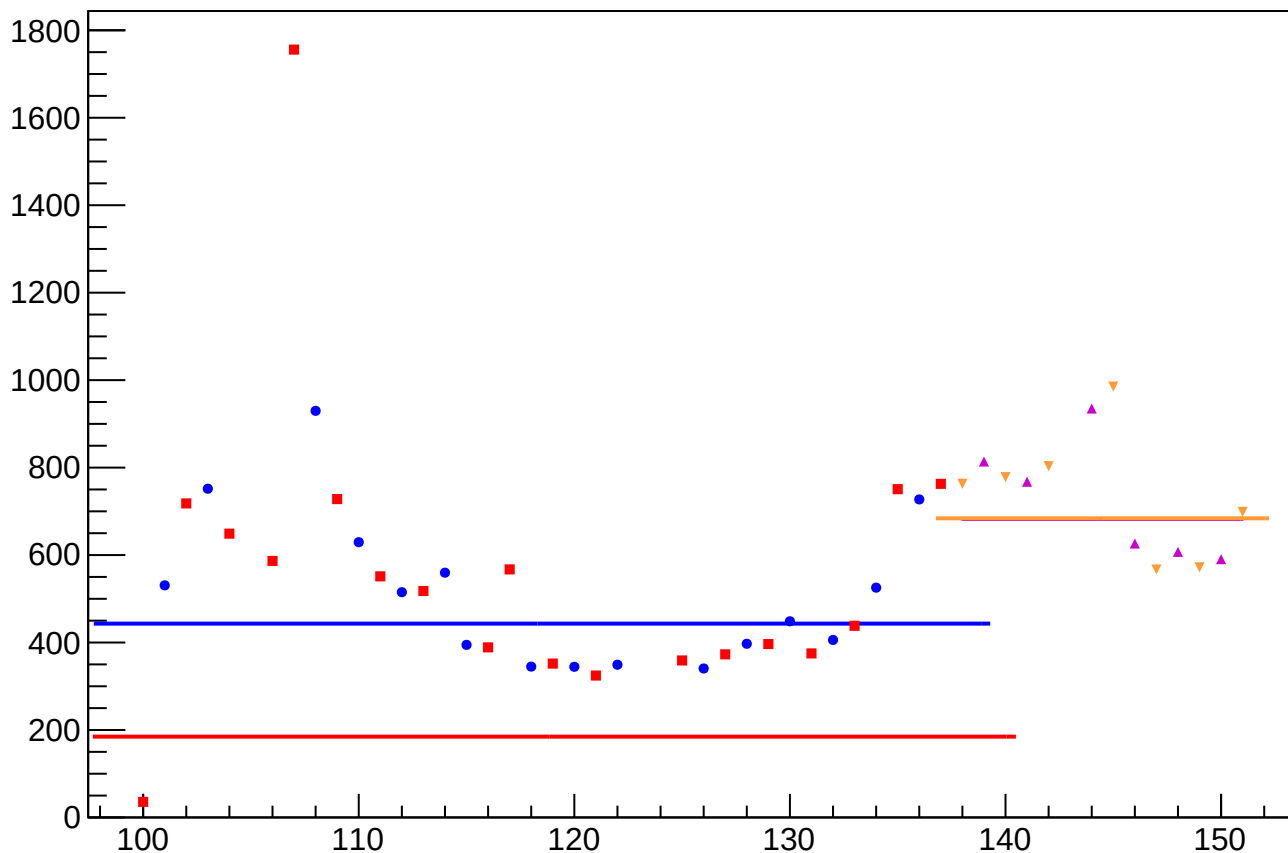
Left In: 231.427+/-312.966 χ^2/NDF :1.6/5

-137.036+/-155.473 χ^2/NDF : 37.3/22

-88.658+/-85.152 χ^2/NDF : 63.4/47

-67.928+/-101.773 χ^2/NDF : 26.0/24

asym_left_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 684.038+/-0.218 χ^2/NDF : 328405.9/6

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

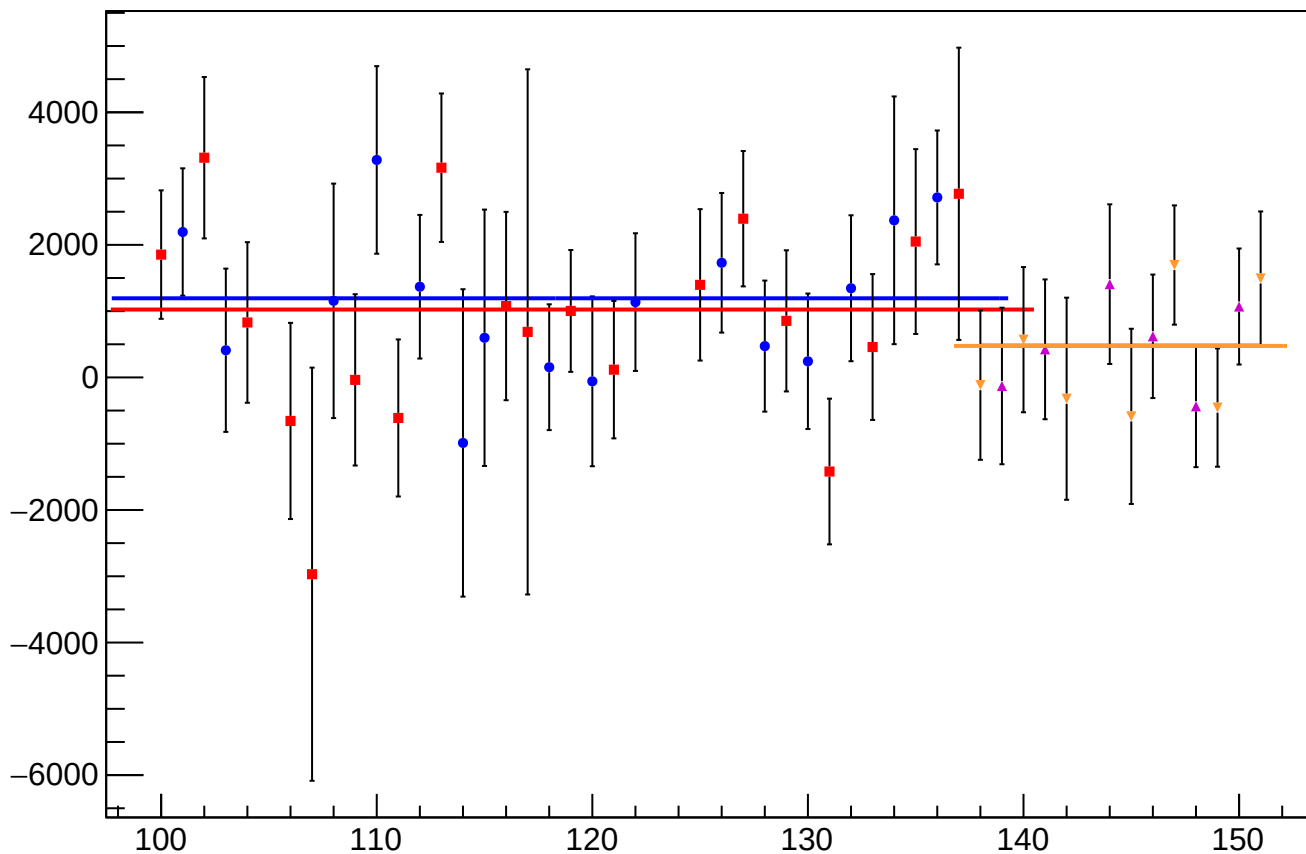
Left In: 682.536+/-0.221 χ^2/NDF : 261319.7/5

504.373+/-0.110 χ^2/NDF : 2297959.5/22

317.516+/-0.060 χ^2/NDF : 19328843.8/47

237.447+/-0.072 χ^2/NDF : 12904069.9/24

asym_left_dd_mean vs Slug, Sign Corrected



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

Left Out: 475.461 $\pm$ 405.147 χ^2/NDF : 5.1/6

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

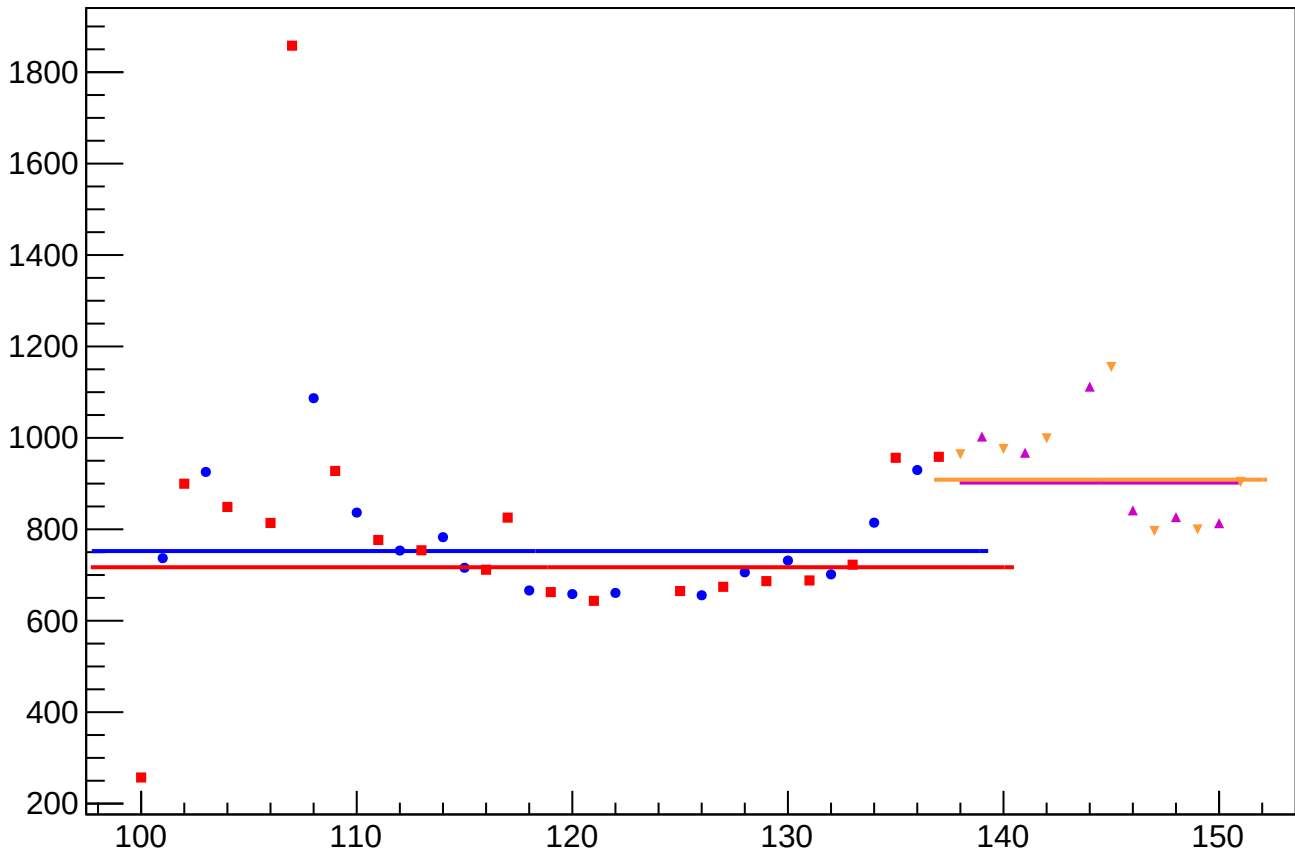
Left In: 479.609 $\pm$ 409.961 χ^2/NDF : 2.3/5

944.892 $\pm$ 238.504 χ^2/NDF : 18.4/22

896.518 $\pm$ 166.036 χ^2/NDF : 44.5/47

851.029 $\pm$ 231.284 χ^2/NDF : 26.1/24

asym_left_dd_rms vs Slug, Sign Corrected



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

Left Out: 908.522 +/- 0.286 χ^2/NDF : 149890.2/6

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

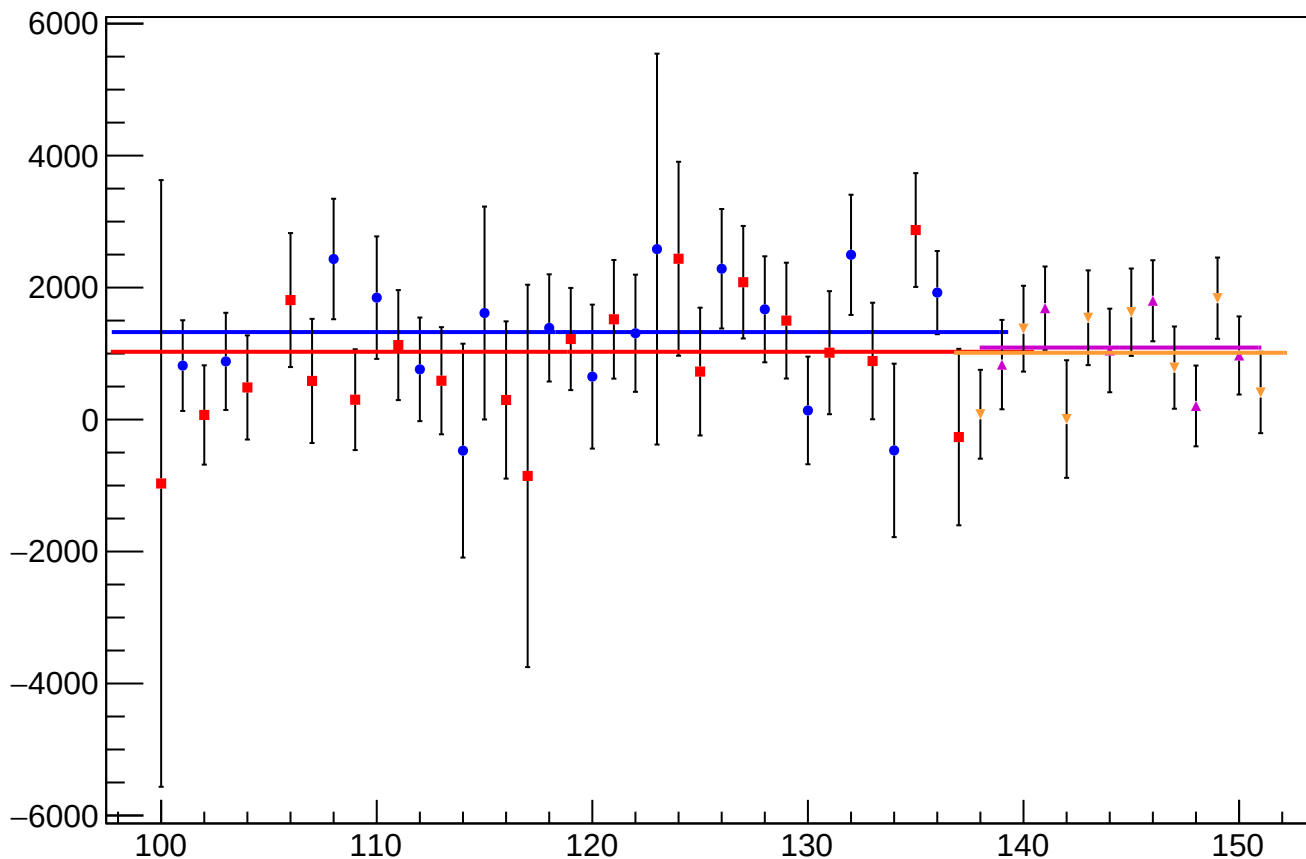
Left In: 902.255 +/- 0.290 χ^2/NDF : 125620.2/5

806.523 +/- 0.169 χ^2/NDF : 596588.6/22

790.797 +/- 0.117 χ^2/NDF : 1985734.6/47

776.008 +/- 0.164 χ^2/NDF : 1372274.2/24

reg_asym_right_avg_mean vs Slug, Sign Corrected



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

Left Out: 1012.019 $\pm$ 236.415 χ^2 /NDF: 7.8/7

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

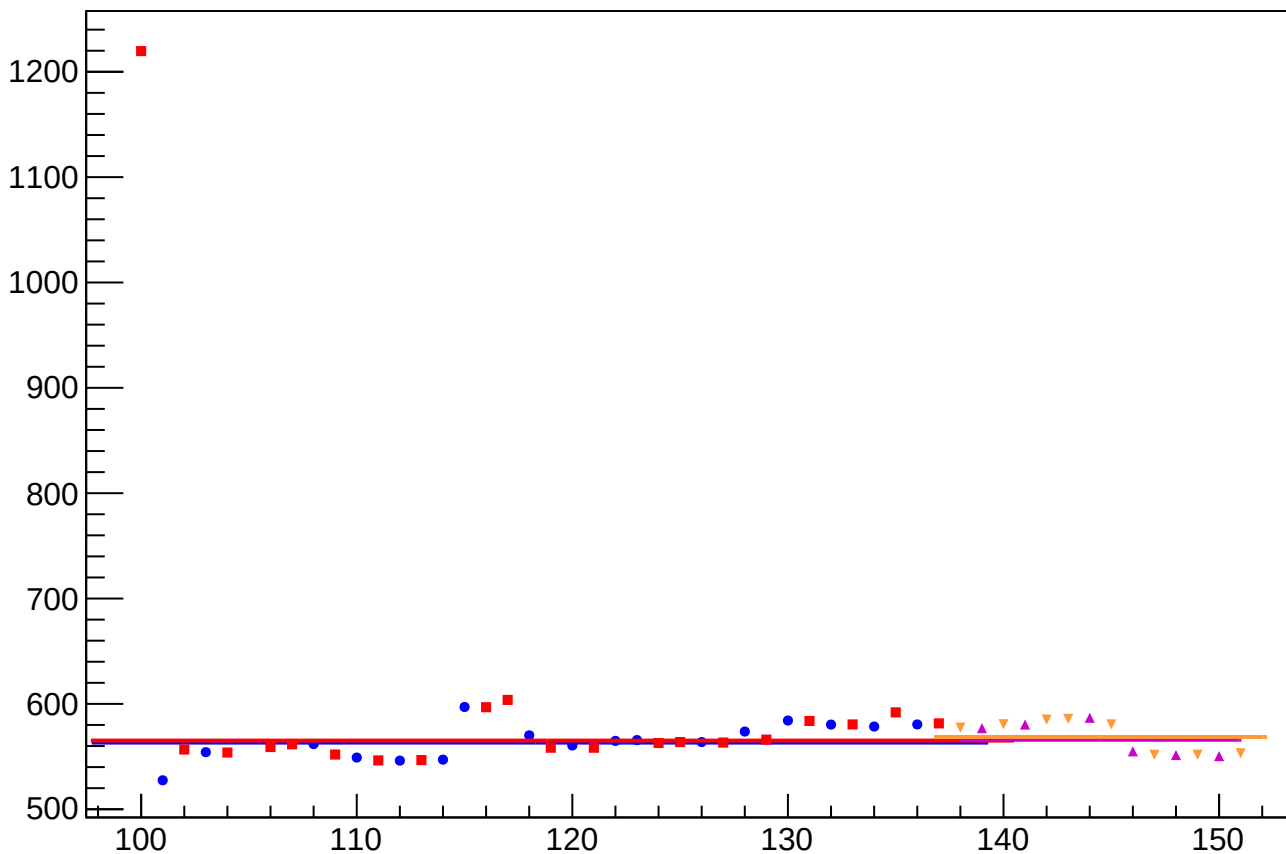
Left In: 1091.116 $\pm$ 255.172 χ^2 /NDF: 4.5/5

1181.516 $\pm$ 160.307 χ^2 /NDF: 21.6/24

1118.196 $\pm$ 114.162 χ^2 /NDF: 40.3/50

1053.037 $\pm$ 162.618 χ^2 /NDF: 18.4/25

reg_asym_right_avg_rms vs Slug, Sign Corrected



Right In: 563.266 $\pm$ 0.154 χ^2 /NDF: 12520.3/16

Left Out: 568.643 $\pm$ 0.167 χ^2 /NDF: 7740.2/7

Right Out: 565.150 $\pm$ 0.149 χ^2 /NDF: 49653.1/19

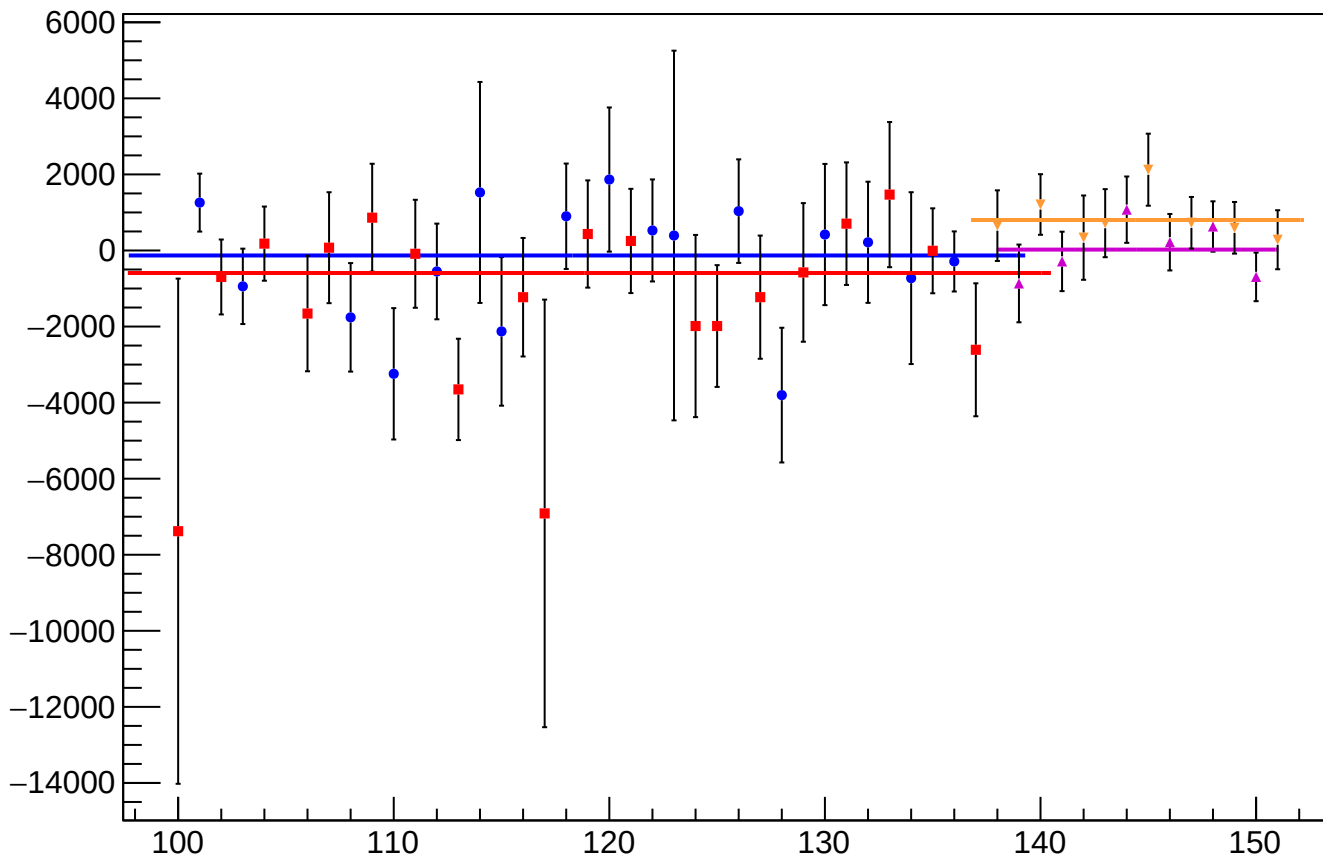
Left In: 565.959 $\pm$ 0.180 χ^2 /NDF: 6889.8/5

565.738 $\pm$ 0.113 χ^2 /NDF: 20819.5/24

565.610 $\pm$ 0.081 χ^2 /NDF: 77377.0/50

565.479 $\pm$ 0.115 χ^2 /NDF: 56554.9/25

asym_right_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 801.320 $\pm$ 289.706 χ^2 /NDF: 3.0/7

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

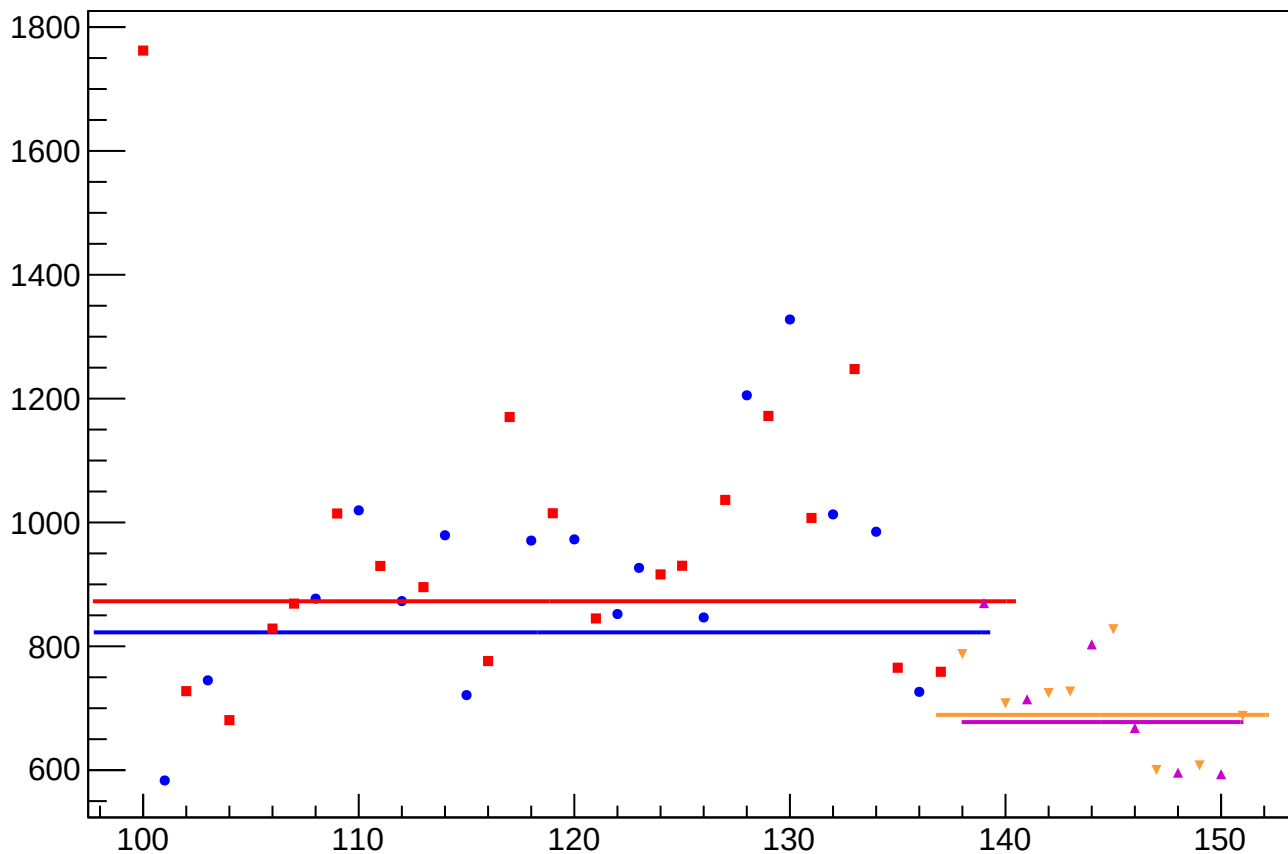
Left In: 23.327 $\pm$ 309.292 χ^2 /NDF: 4.5/5

392.117 $\pm$ 217.016 χ^2 /NDF: 24.7/24

78.336 $\pm$ 156.616 χ^2 /NDF: 51.3/50

-262.713 $\pm$ 226.249 χ^2 /NDF: 22.2/25

asym_right_avg_correction_rms vs Slug, Sign Corrected



Right In: 822.527 $\pm$ 0.232 χ^2 /NDF: 600956.1/16

Left Out: 689.294 $\pm$ 0.205 χ^2 /NDF:134937.3/7

Right Out: 872.719 $\pm$ 0.235 χ^2 /NDF: 412481.2/19

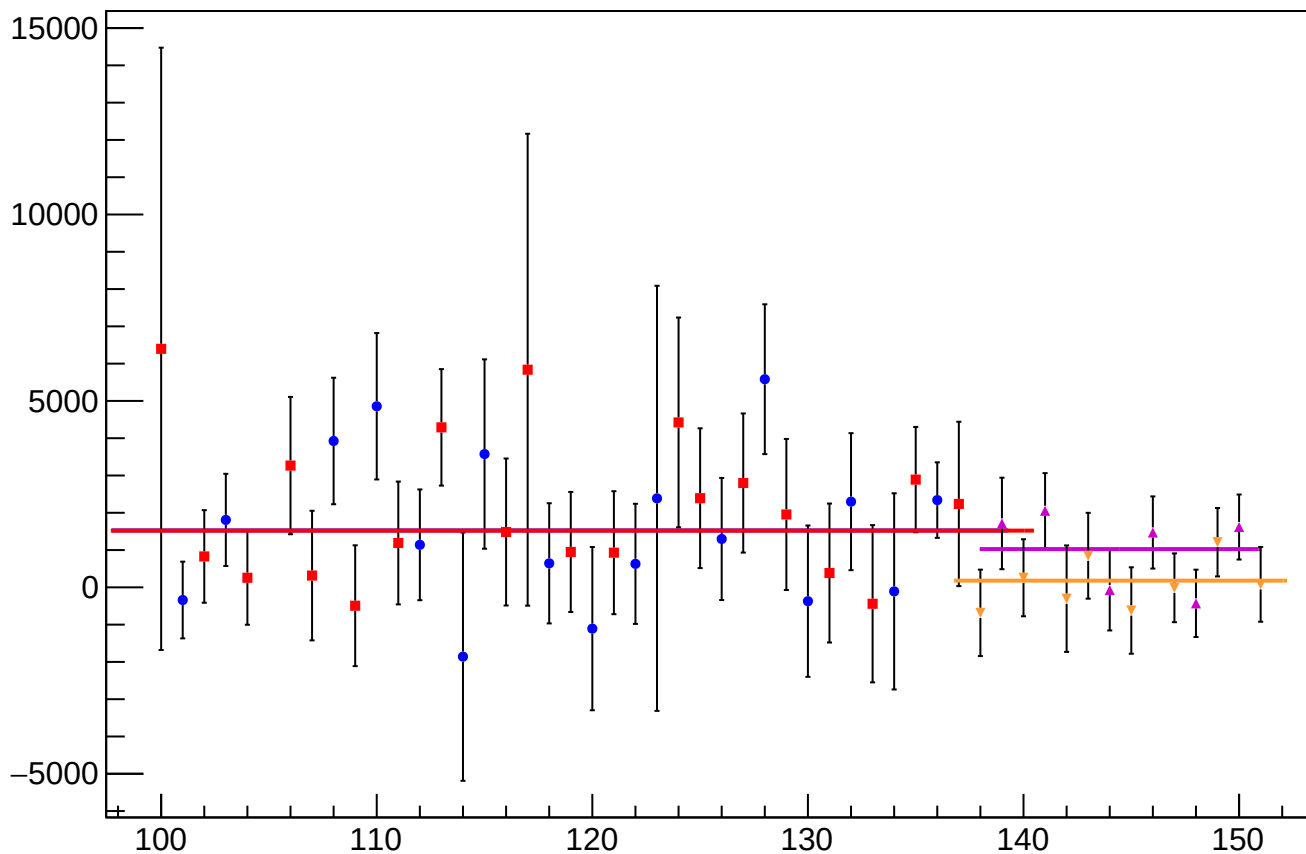
Left In: 677.657 $\pm$ 0.219 χ^2 /NDF:181981.4/5

747.765 $\pm$ 0.153 χ^2 /NDF: 921529.8/24

757.625 $\pm$ 0.111 χ^2 /NDF: 1894434.4/50

768.341 $\pm$ 0.160 χ^2 /NDF: 964289.6/25

asym_right_avg_mean vs Slug, Sign Corrected



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

Left Out: 179.658 $\pm$ 377.205 χ^2/NDF : 2.8/7

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

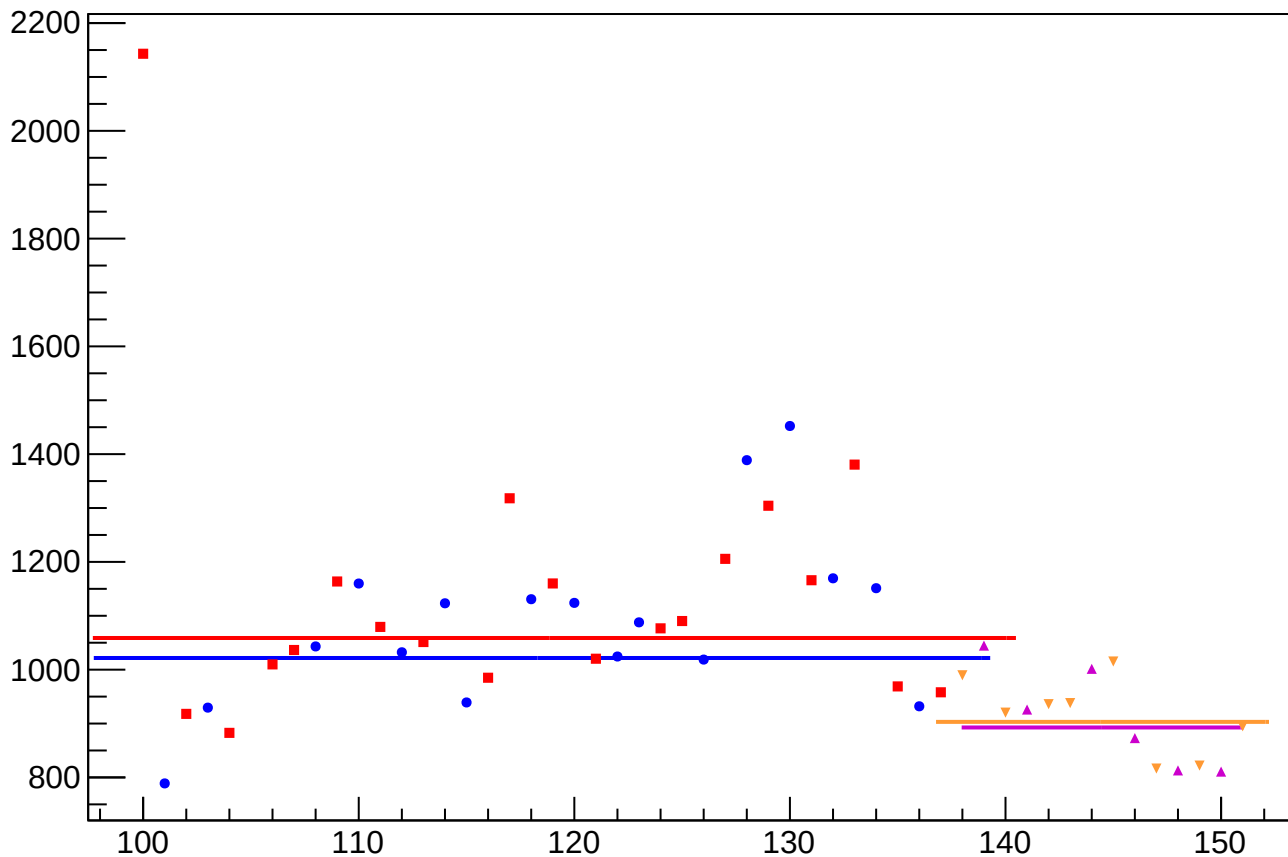
Left In: 1025.921 $\pm$ 404.634 χ^2/NDF : 5.6/5

810.144 $\pm$ 275.003 χ^2/NDF : 27.0/24

1036.003 $\pm$ 197.616 χ^2/NDF : 47.4/50

1277.159 $\pm$ 284.163 χ^2/NDF : 19.0/25

asym_right_avg_rms vs Slug, Sign Corrected



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

Left Out: 903.096 +/- 0.267 χ^2/NDF : 66662.9/7

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

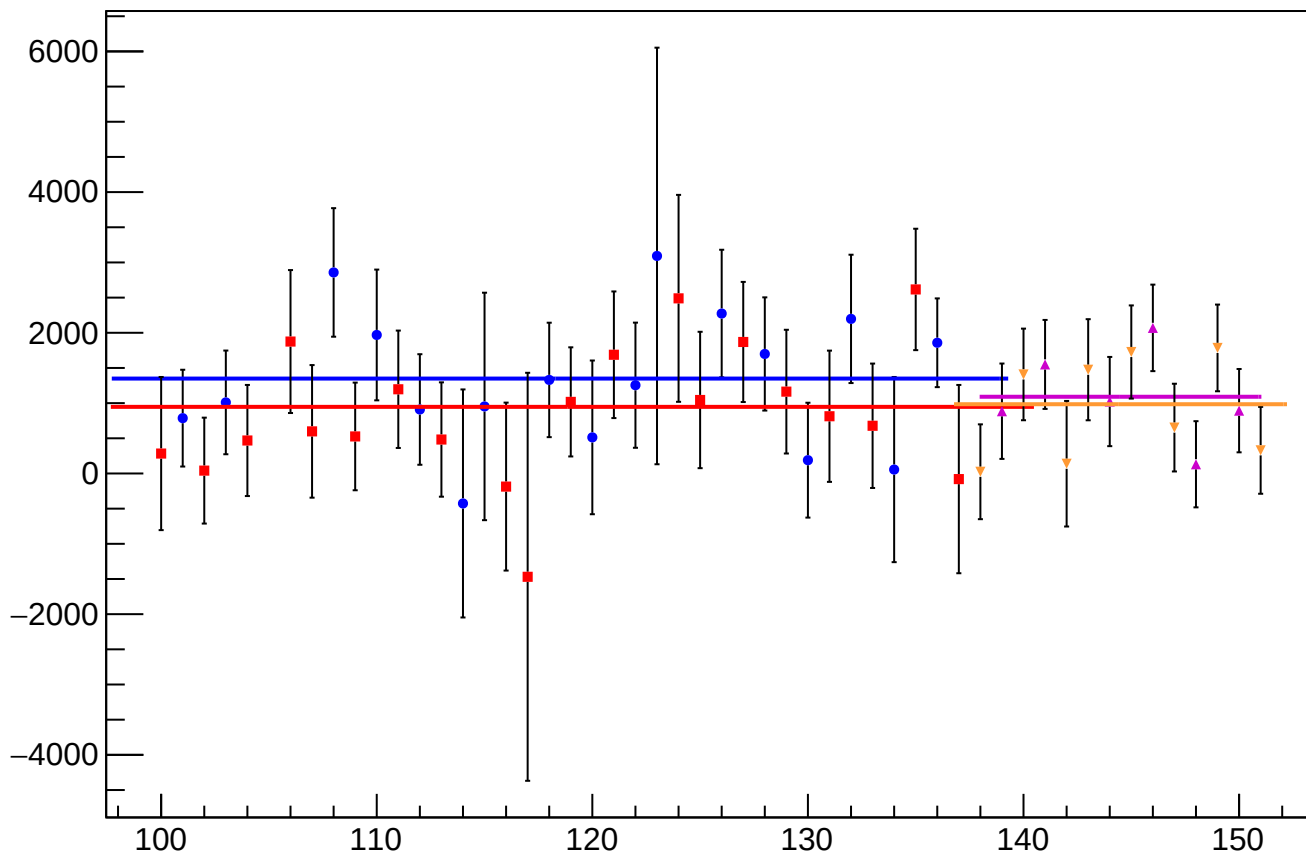
Left In: 892.689 +/- 0.286 χ^2/NDF : 87103.1/5

958.643 +/- 0.194 χ^2/NDF : 491189.6/24

967.457 +/- 0.140 χ^2/NDF : 987645.4/50

976.868 +/- 0.201 χ^2/NDF : 492207.8/25

reg_asym_right_dd_mean vs Slug, Sign Corrected



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

Left Out: 984.460+/-236.645 χ^2/NDF : 8.2/7

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

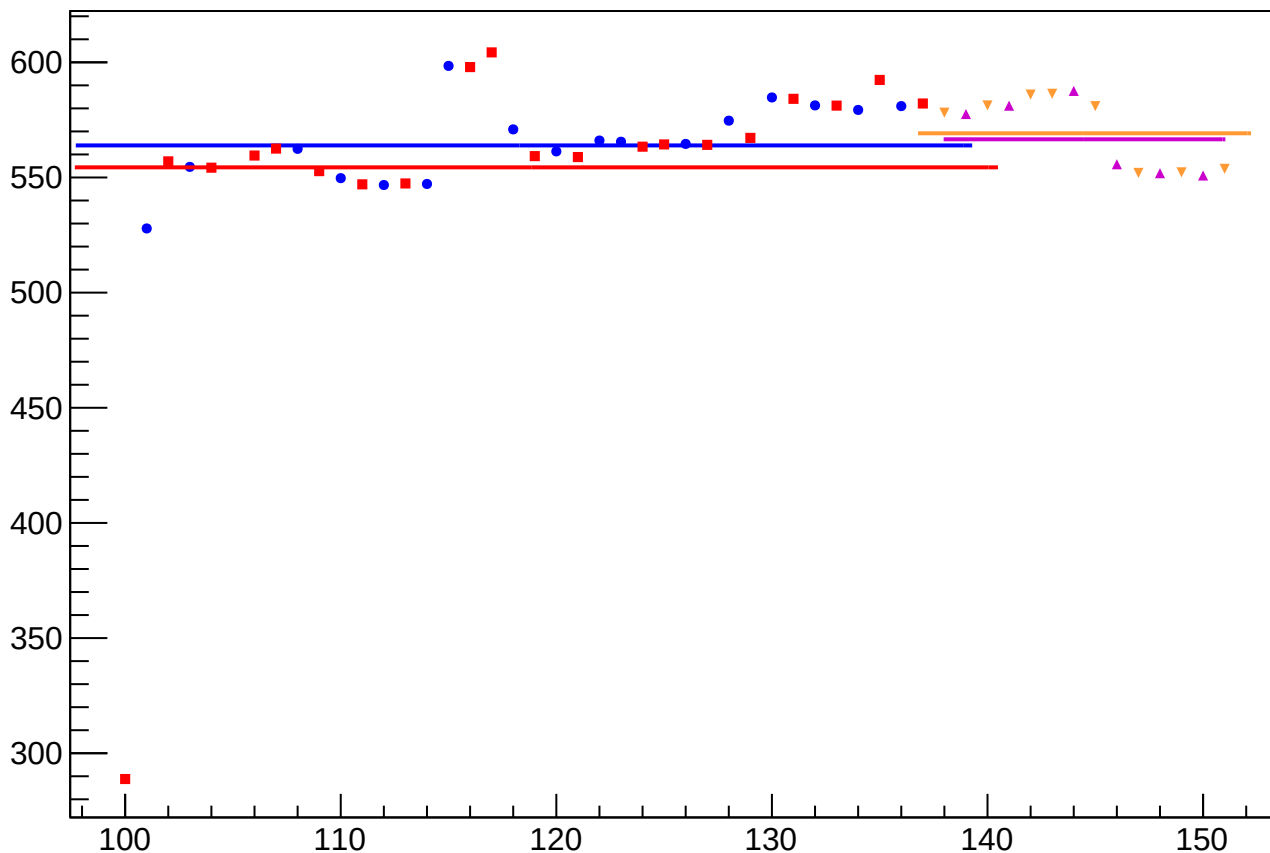
Left In: 1090.673+/-255.452 χ^2/NDF : 5.7/5

1181.439+/-160.480 χ^2/NDF : 21.7/24

1093.157+/-113.699 χ^2/NDF : 41.2/50

1004.180+/-161.111 χ^2/NDF : 18.9/25

reg_asym_right_dd_rms vs Slug, Sign Corrected



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

Left Out: 569.193 $\pm$ 0.167 χ^2 /NDF: 7810.5/7

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

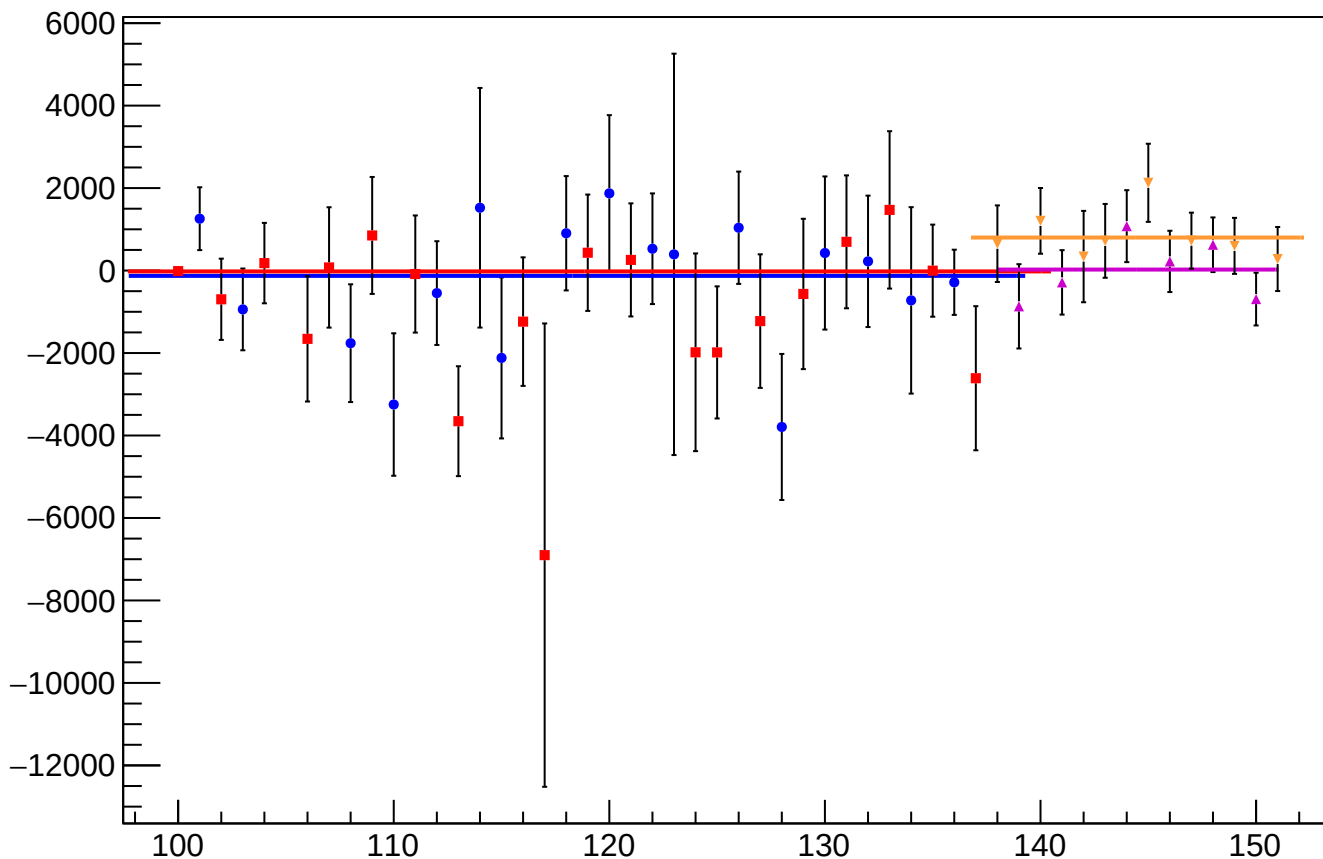
Left In: 566.577 $\pm$ 0.181 χ^2 /NDF: 6970.3/5

566.346 $\pm$ 0.113 χ^2 /NDF: 21009.4/24

562.809 $\pm$ 0.080 χ^2 /NDF: 165226.7/50

559.244 $\pm$ 0.114 χ^2 /NDF: 142266.7/25

asym_right_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 800.783+/-289.812 χ^2/NDF : 3.0/7

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

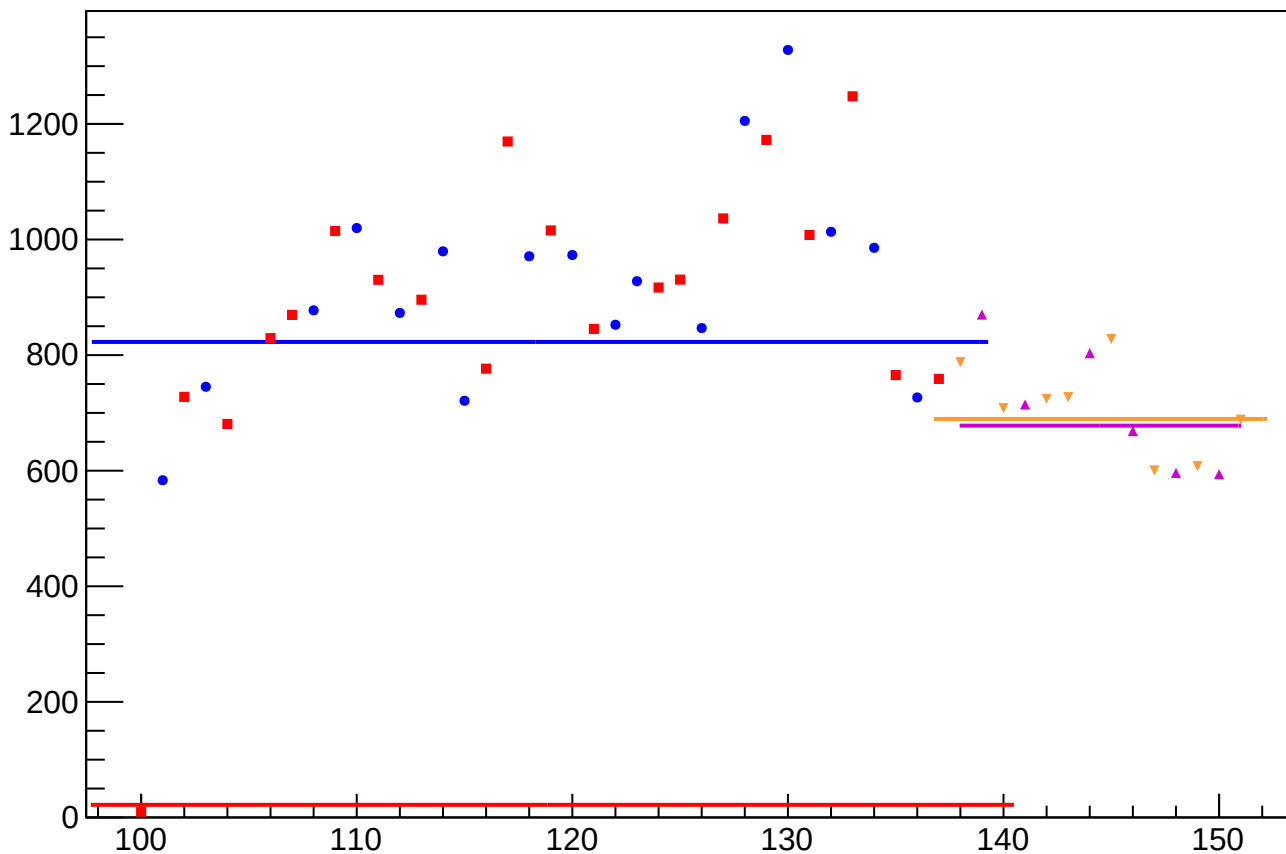
Left In: 24.142+/-309.426 χ^2/NDF : 4.5/5

392.829+/-217.090 χ^2/NDF : 24.7/24

-7.332+/-38.050 χ^2/NDF : 50.4/50

-20.015+/-38.648 χ^2/NDF : 22.1/25

asym_right_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 689.539 +/- 0.205 χ^2/NDF : 135005.6/7

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

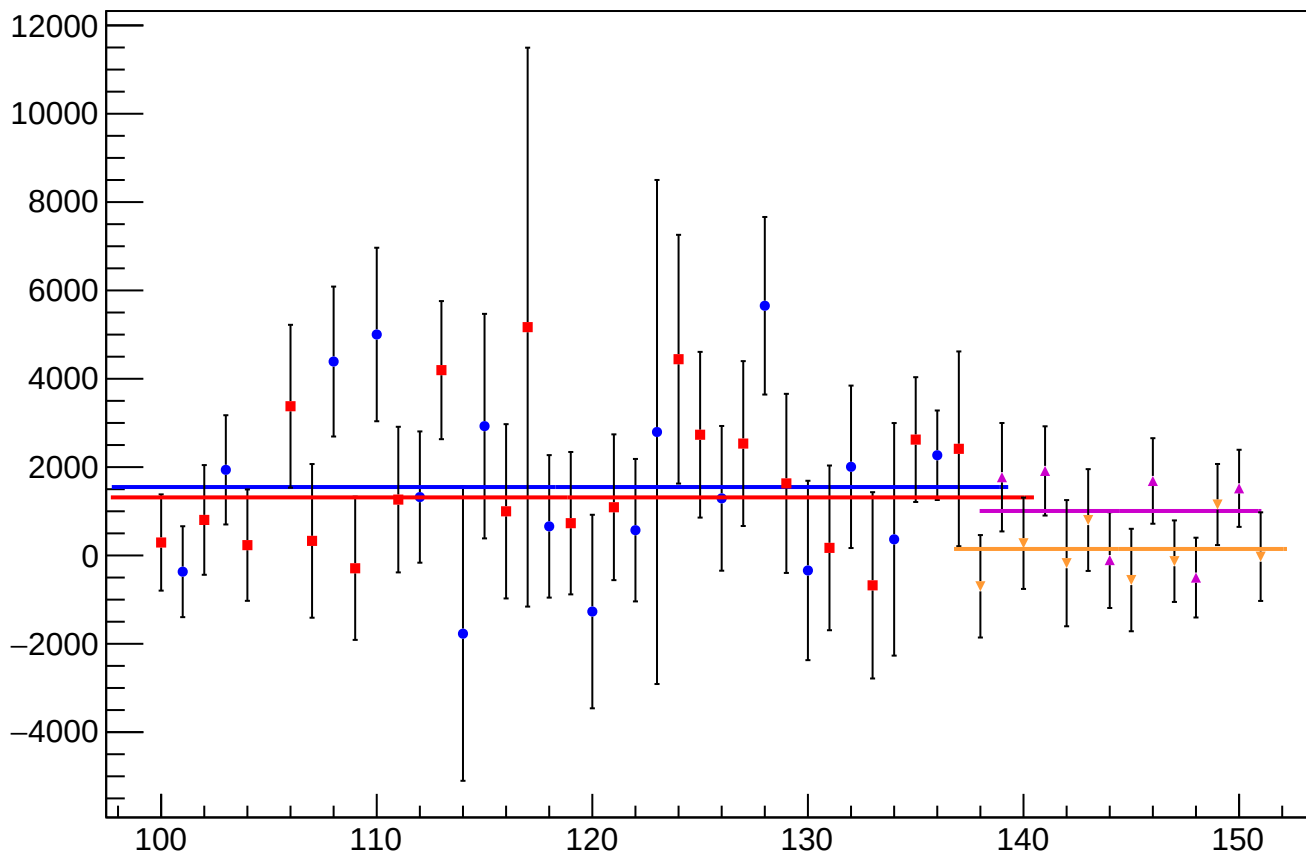
Left In: 677.959 +/- 0.219 χ^2/NDF : 181747.7/5

748.017 +/- 0.154 χ^2/NDF : 921415.3/24

54.096 +/- 0.027 χ^2/NDF : 44644286.1/50

32.103 +/- 0.027 χ^2/NDF : 22640331.0/25

asym_right_dd_mean vs Slug, Sign Corrected



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

Left Out: 147.166 ± 377.434 χ^2/NDF : 2.6/7

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

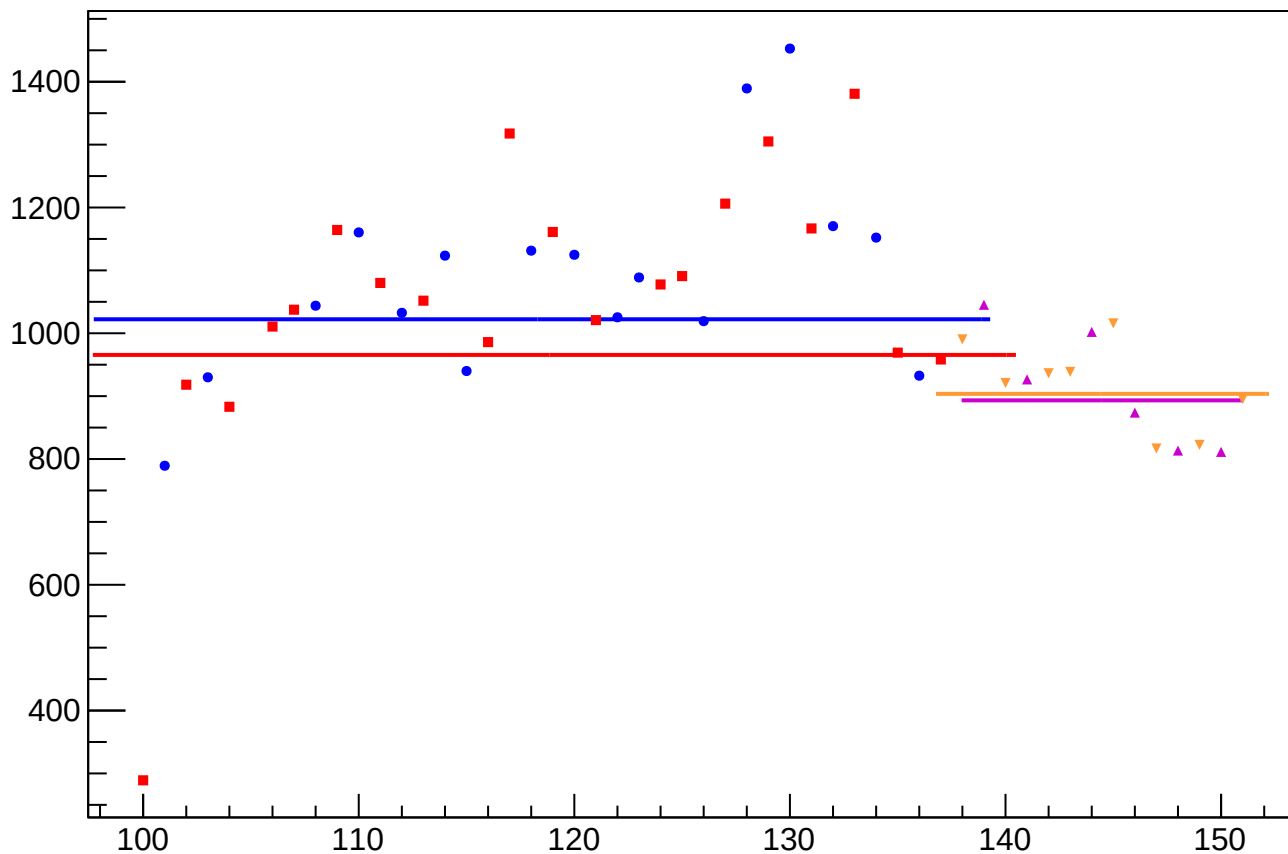
Left In: 1006.922 ± 404.909 χ^2/NDF : 5.9/5

803.870 ± 275.164 χ^2/NDF : 28.0/24

988.039 ± 194.612 χ^2/NDF : 48.0/50

1172.367 ± 275.282 χ^2/NDF : 19.1/25

asym_right_dd_rms vs Slug, Sign Corrected



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

Left Out: 903.638 +/- 0.267 χ^2/NDF : 66753.8/7

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

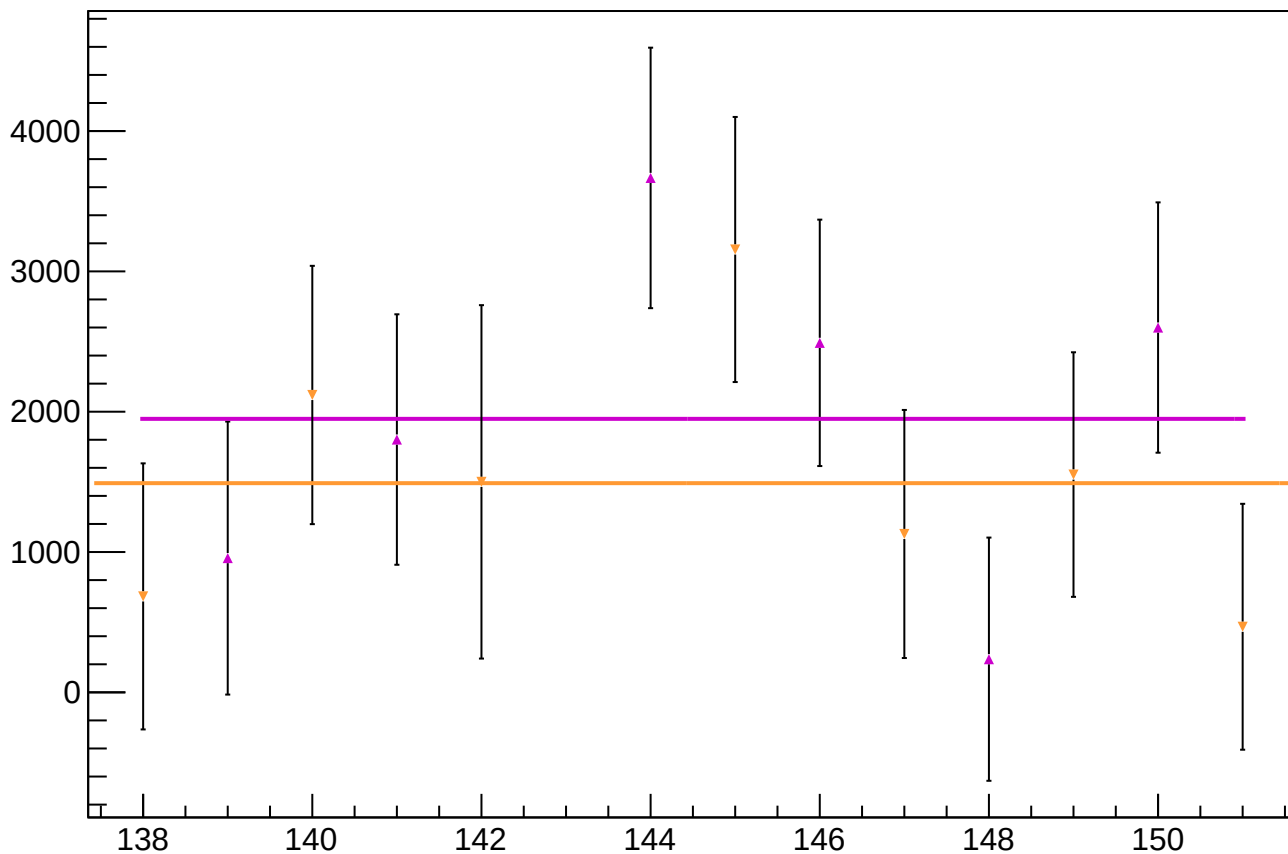
Left In: 893.297 +/- 0.286 χ^2/NDF : 87094.7/5

959.204 +/- 0.195 χ^2/NDF : 491144.4/24

945.691 +/- 0.138 χ^2/NDF : 1695657.8/50

932.166 +/- 0.195 χ^2/NDF : 1194862.6/25

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1490.754+/-354.804 χ^2/NDF : 5.8/6

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

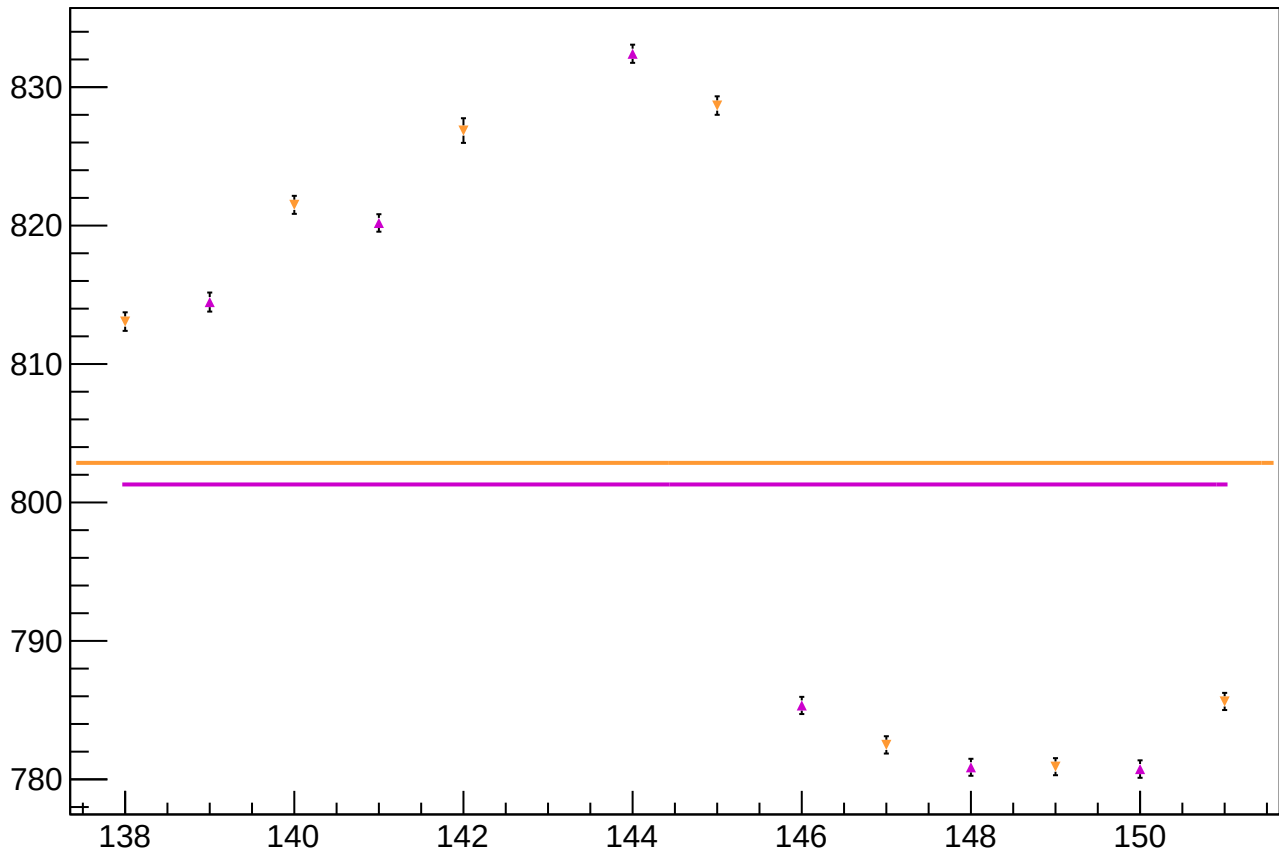
Left In: 1949.054+/-368.645 χ^2/NDF : 9.3/5

1490.754+/-354.804 χ^2/NDF : 5.8/6

1711.139+/-255.637 χ^2/NDF : 15.9/12

1949.054+/-368.645 χ^2/NDF : 9.3/5

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 802.860+/-0.251 χ^2/NDF : 6376.0/6

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

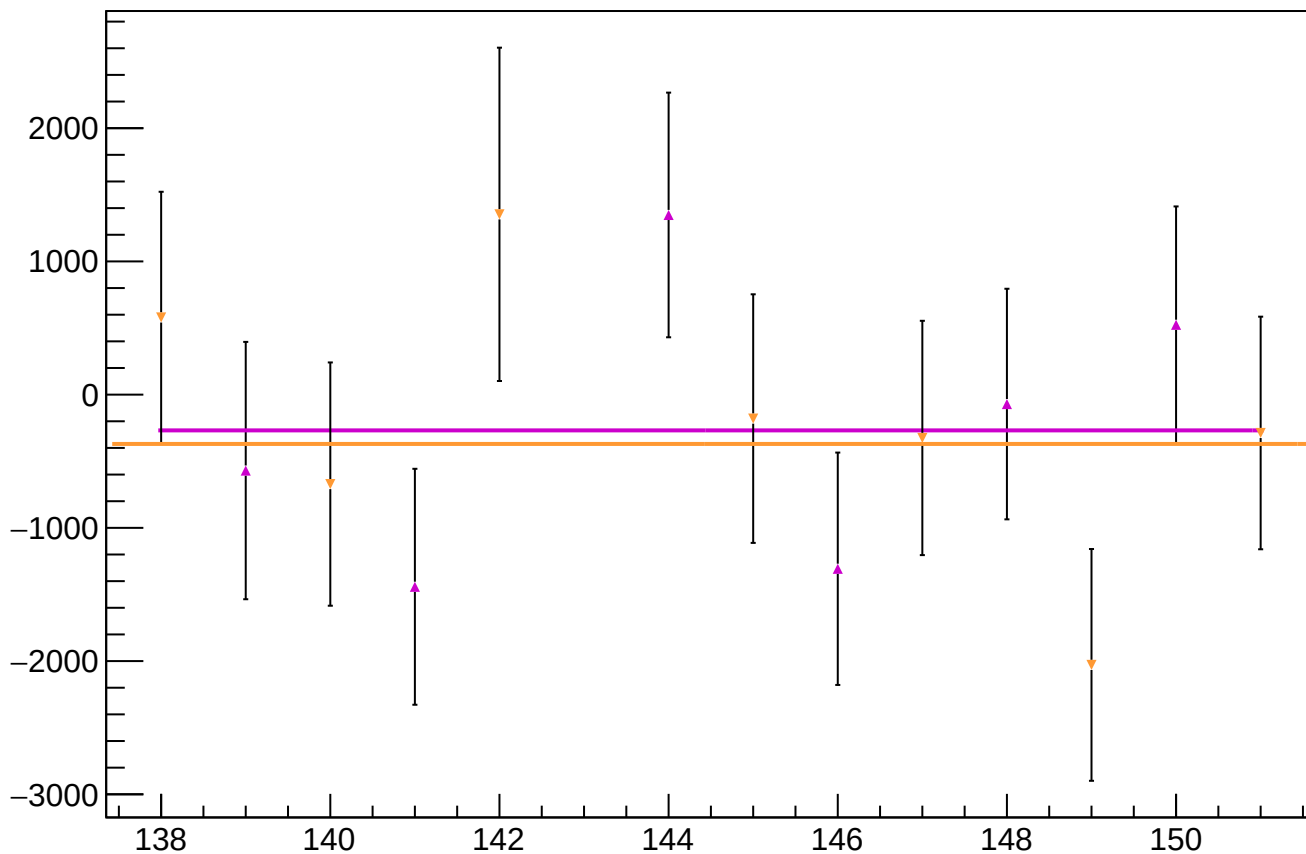
Left In: 801.300+/-0.261 χ^2/NDF : 6344.6/5

802.860+/-0.251 χ^2/NDF : 6376.0/6

802.110+/-0.181 χ^2/NDF : 12739.2/12

801.300+/-0.261 χ^2/NDF : 6344.6/5

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -370.134+/-352.718 χ^2/NDF : 6.7/6

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

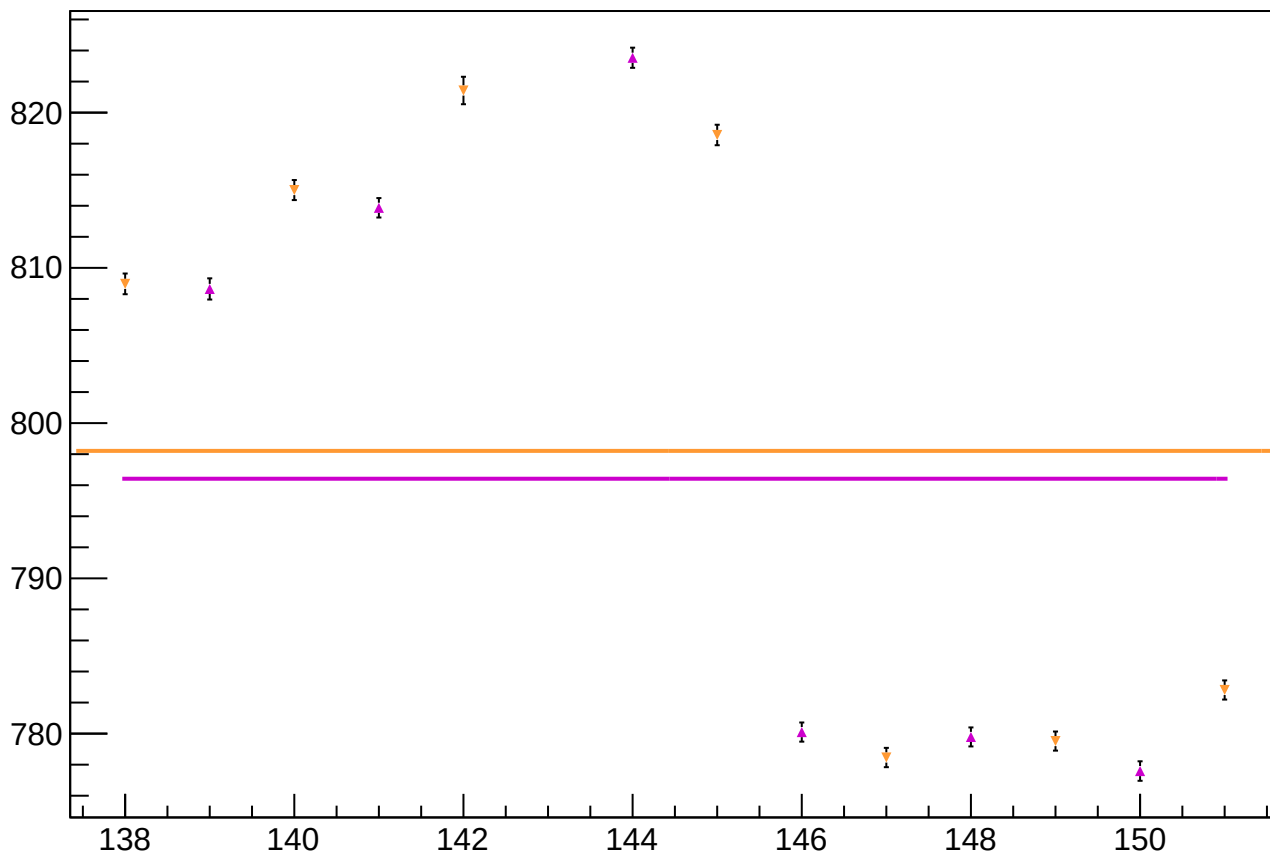
Left In: -268.359+/-366.365 χ^2/NDF : 7.2/5

-370.134+/-352.718 χ^2/NDF : 6.7/6

-321.177+/-254.097 χ^2/NDF : 14.0/12

-268.359+/-366.365 χ^2/NDF : 7.2/5

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 798.211+/-0.249 χ^2 /NDF:5131.9/6

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

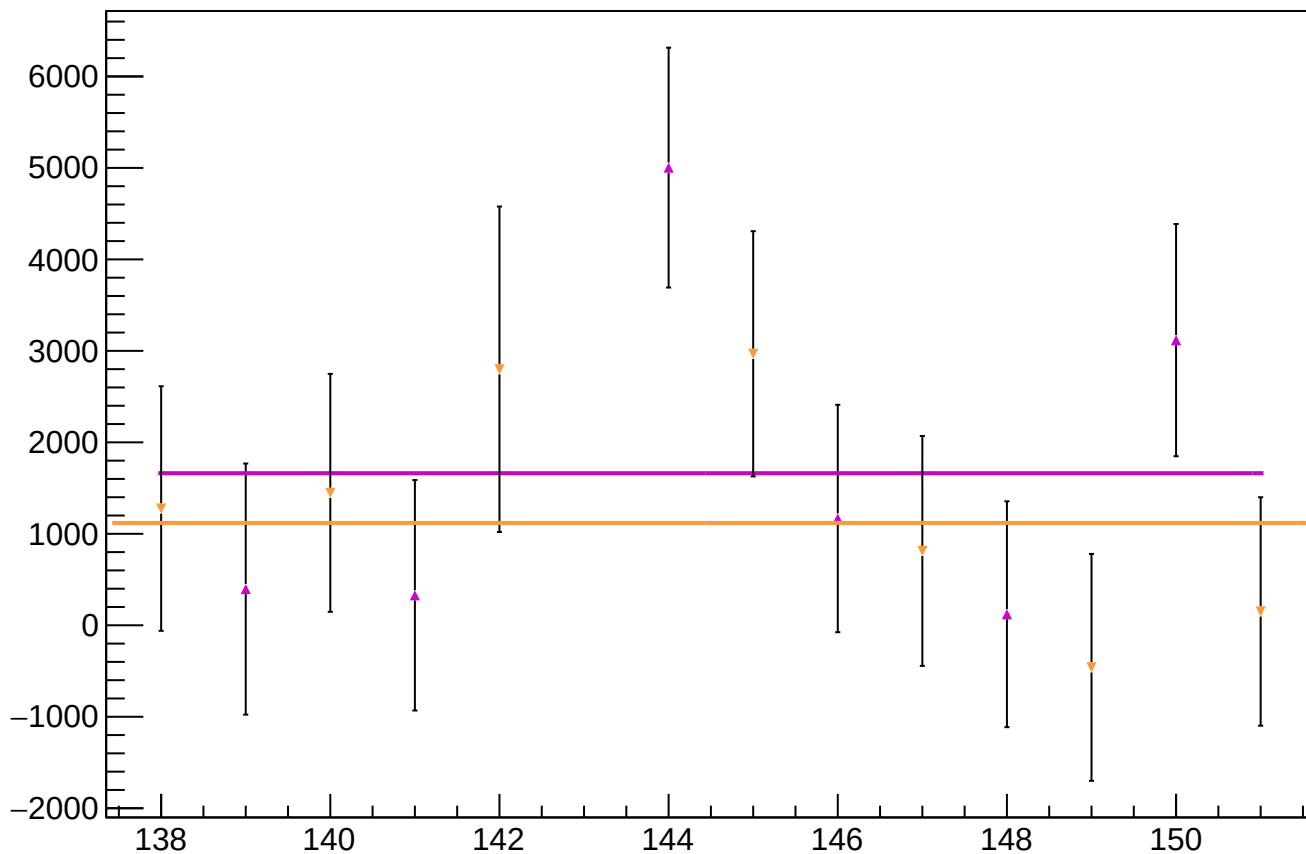
Left In: 796.418+/-0.259 χ^2 /NDF:5178.4/5

798.211+/-0.249 χ^2 /NDF: 5131.9/6

797.349+/-0.180 χ^2 /NDF: 10335.2/12

796.418+/-0.259 χ^2 /NDF: 5178.4/5

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1119.299+/-503.255 χ^2/NDF : 5.2/6

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

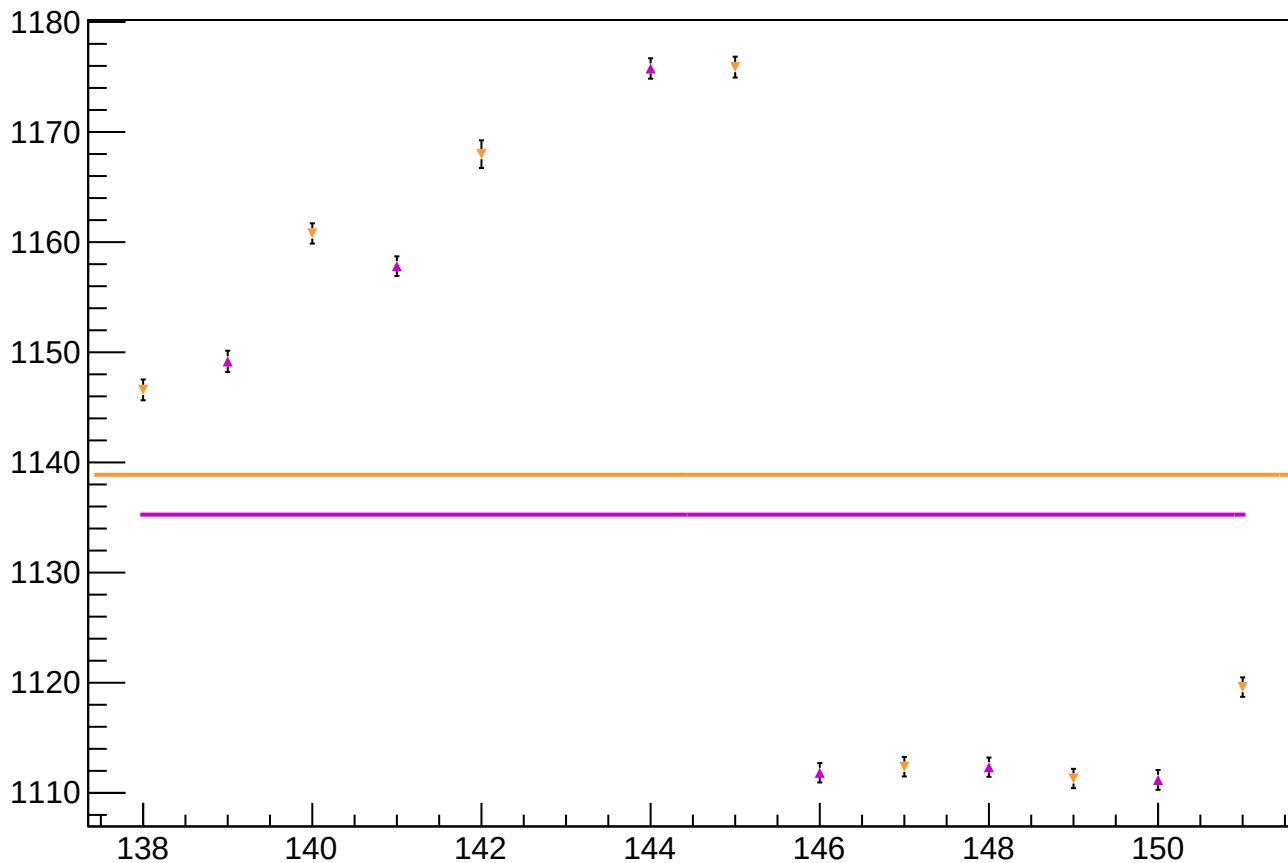
Left In: 1662.935+/-522.238 χ^2/NDF : 11.5/5

1119.299+/-503.255 χ^2/NDF : 5.2/6

1381.057+/-362.380 χ^2/NDF : 17.2/12

1662.935+/-522.238 χ^2/NDF : 11.5/5

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1138.878+/-0.356 χ^2/NDF : 5049.5/6

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

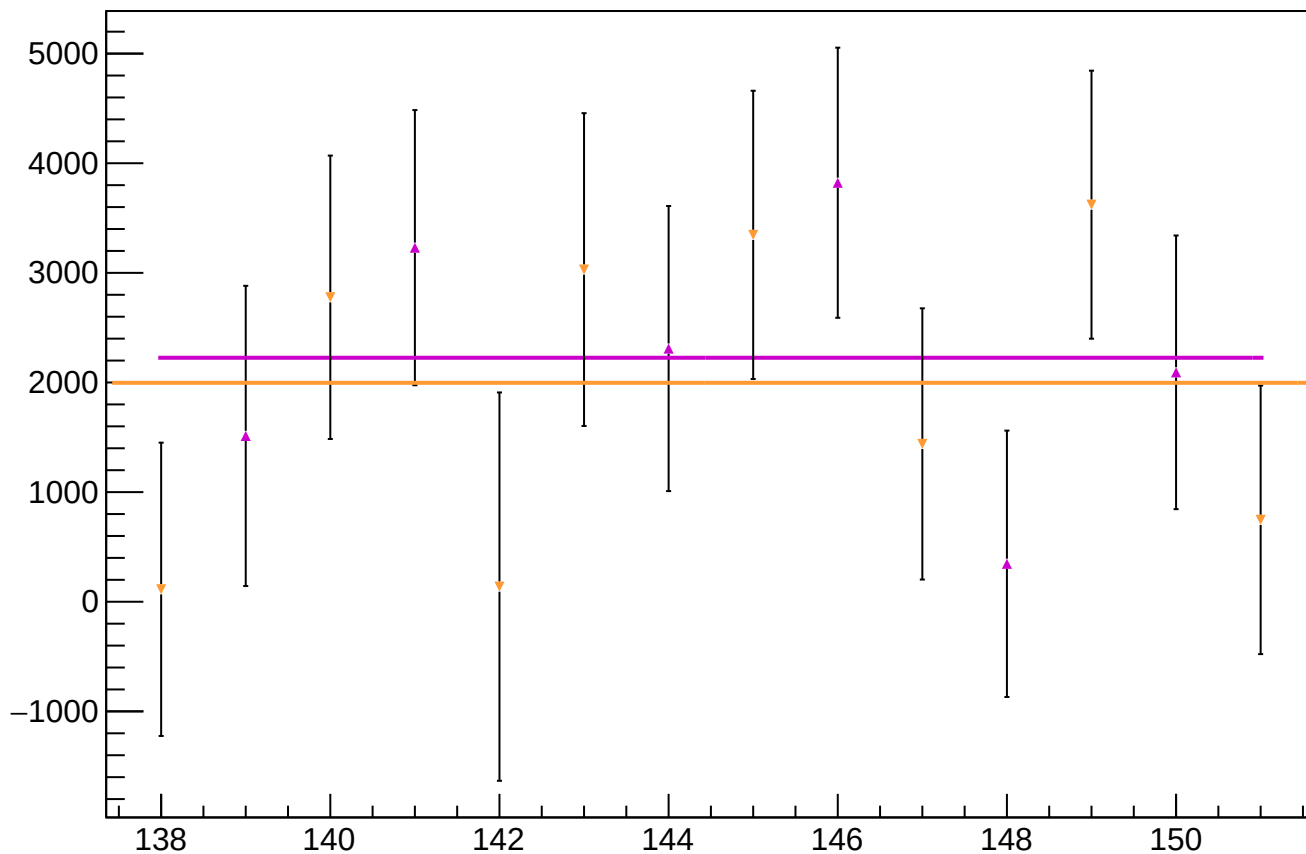
Left In: 1135.263+/-0.369 χ^2/NDF : 4876.5/5

1138.878+/-0.356 χ^2/NDF : 5049.5/6

1137.137+/-0.256 χ^2/NDF : 9975.7/12

1135.263+/-0.369 χ^2/NDF : 4876.5/5

cor_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 1997.063+/-469.576 χ^2/NDF : 8.0/7

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

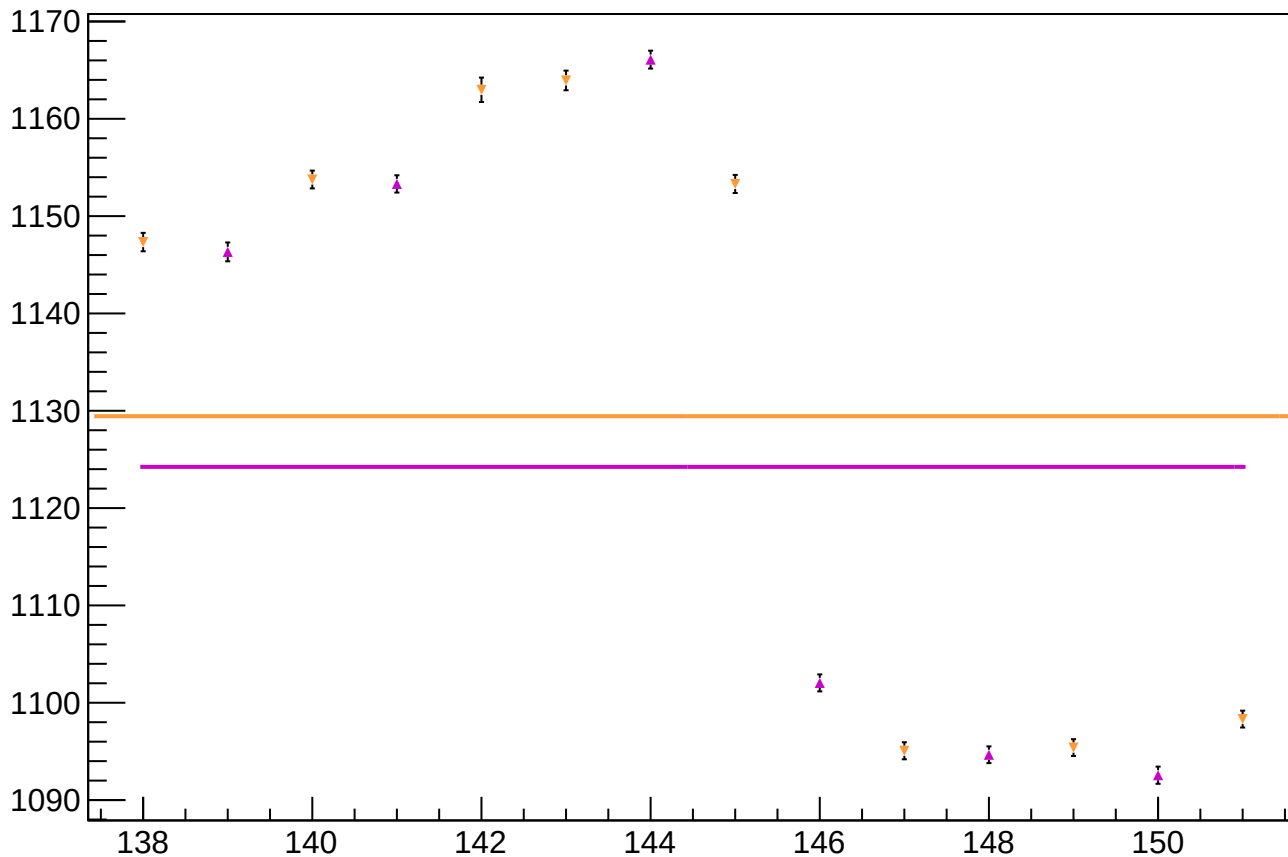
Left In: 2225.677+/-517.217 χ^2/NDF : 5.0/5

1997.063+/-469.576 χ^2/NDF : 8.0/7

2100.359+/-347.666 χ^2/NDF : 13.1/13

2225.677+/-517.217 χ^2/NDF : 5.0/5

cor_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1129.442 ± 0.332 χ^2/NDF : 7999.0/7

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

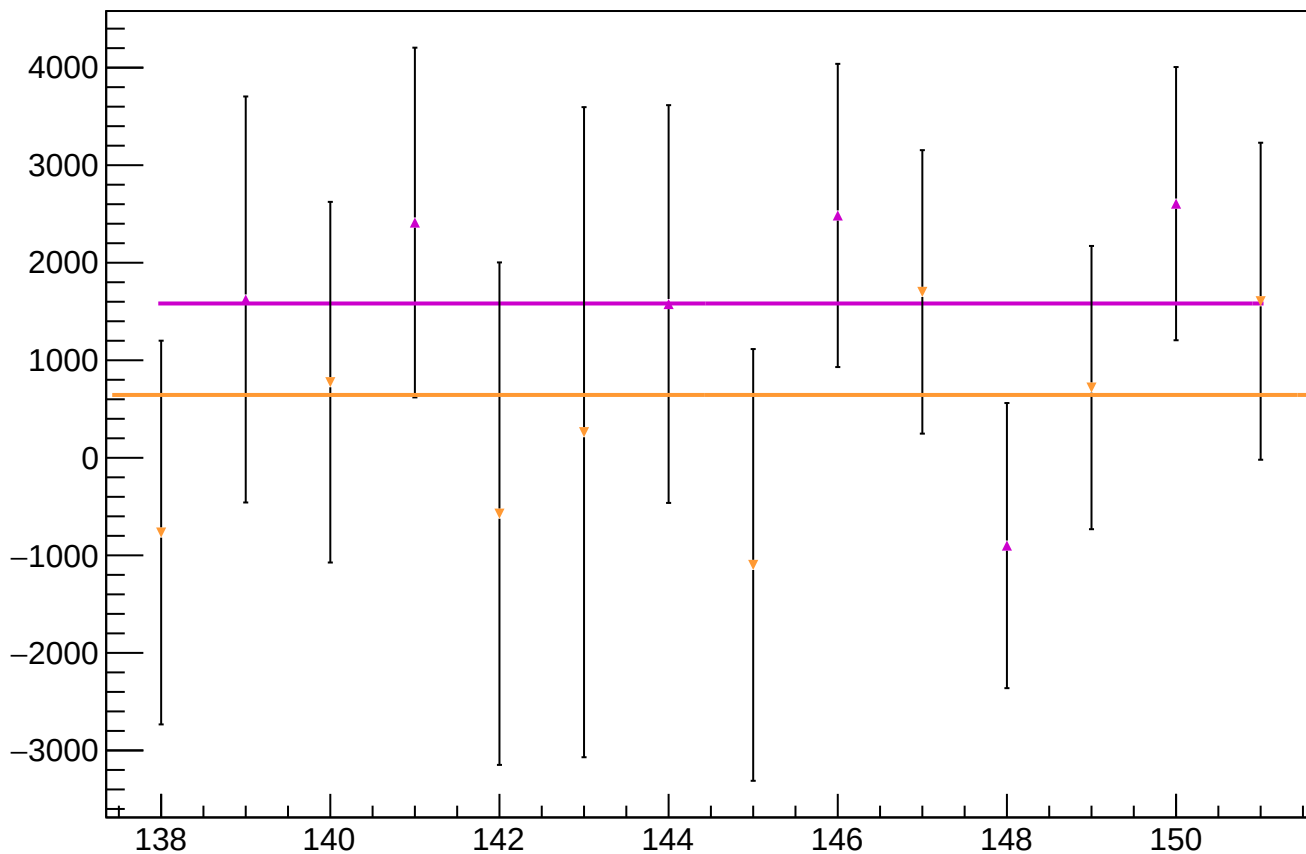
Left In: 1124.235 ± 0.366 χ^2/NDF : 6788.6/5

1129.442 ± 0.332 χ^2/NDF : 7999.0/7

1127.090 ± 0.246 χ^2/NDF : 14898.7/13

1124.235 ± 0.366 χ^2/NDF : 6788.6/5

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 644.523+/-656.169 χ^2/NDF : 2.3/7

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

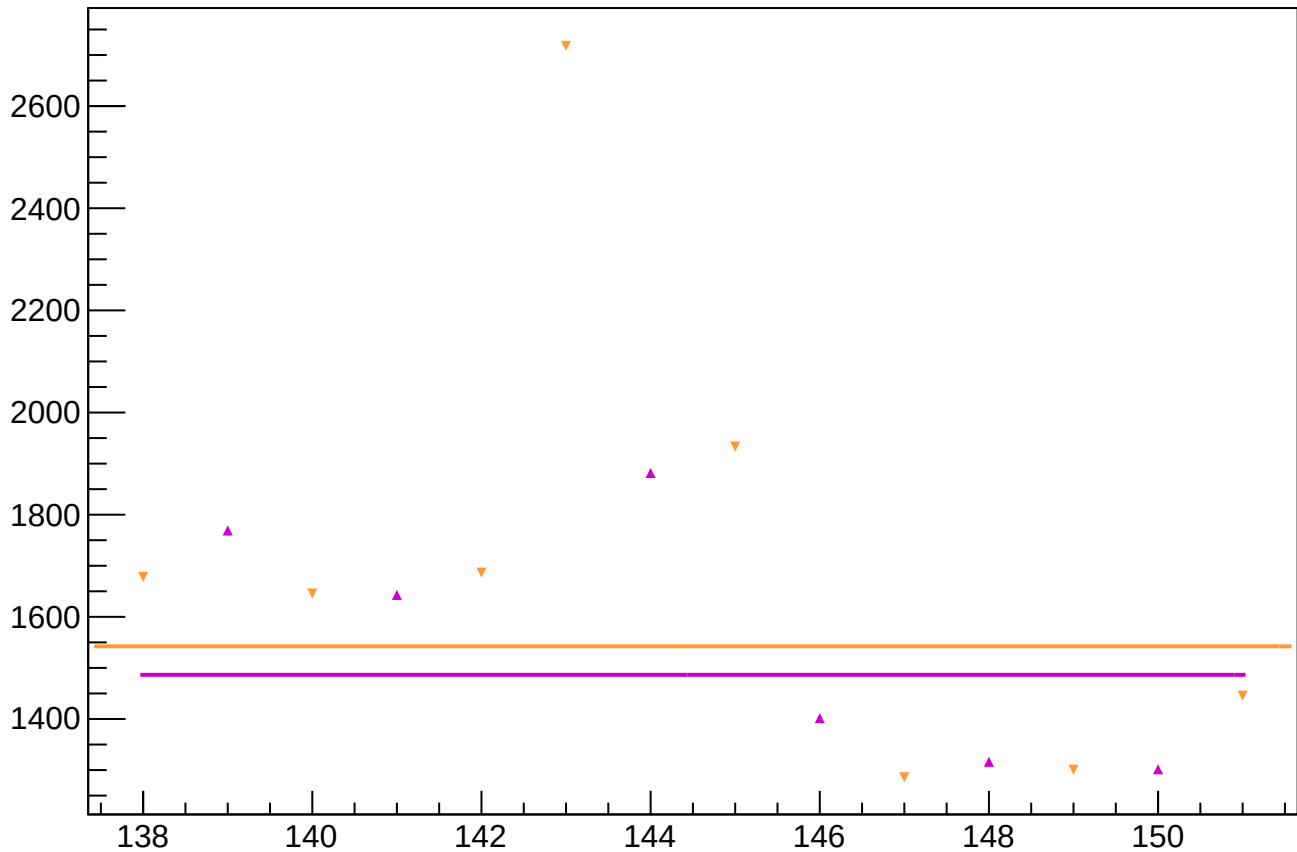
Left In: 1582.190+/-678.165 χ^2/NDF : 4.0/5

644.523+/-656.169 χ^2/NDF : 2.3/7

1097.904+/-471.566 χ^2/NDF : 7.2/13

1582.190+/-678.165 χ^2/NDF : 4.0/5

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1542.301+/-0.464 χ^2/NDF : 458167.0/7

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

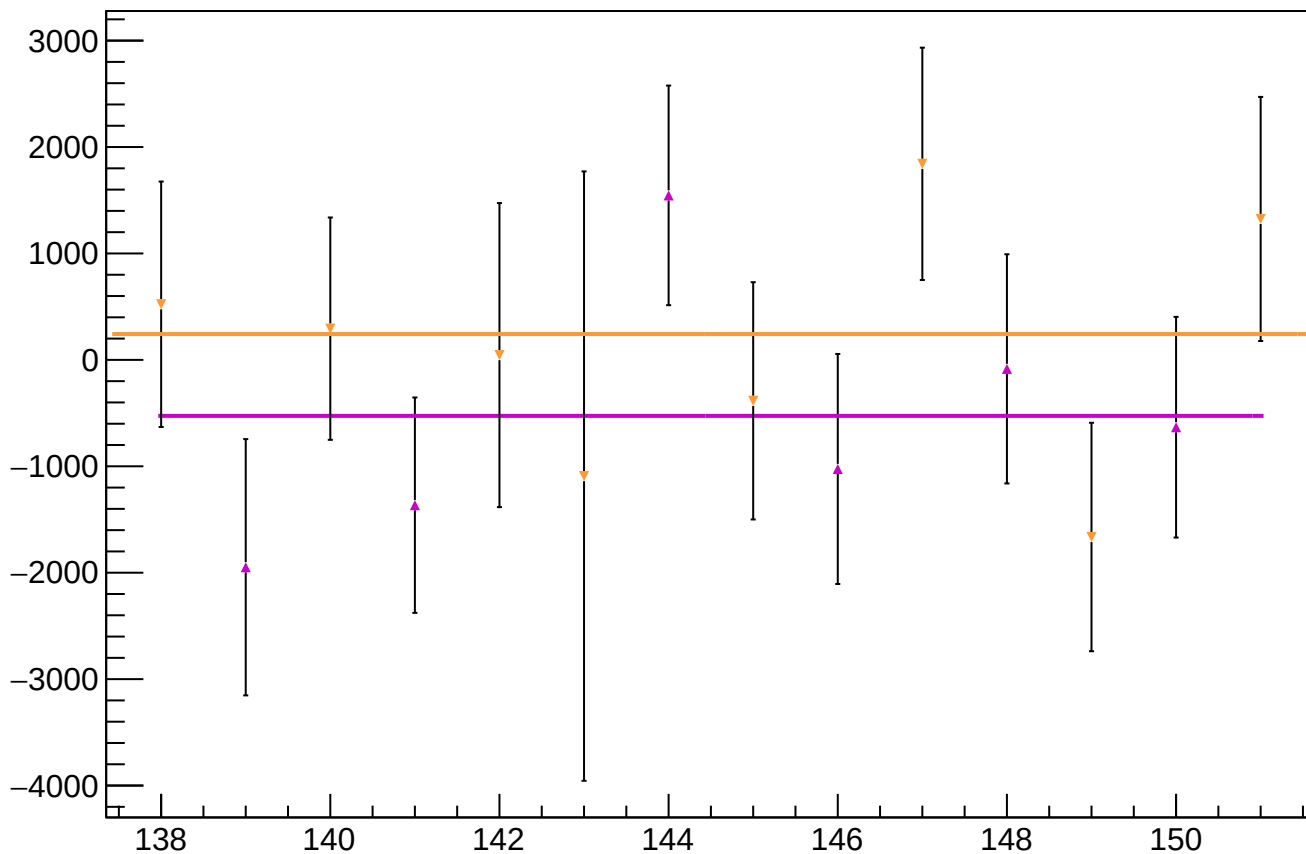
Left In: 1486.449+/-0.480 χ^2/NDF : 195257.5/5

1542.301+/-0.464 χ^2/NDF : 458167.0/7

1515.295+/-0.333 χ^2/NDF : 660430.7/13

1486.449+/-0.480 χ^2/NDF : 195257.5/5

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 242.846+/-424.378 χ^2/NDF : 6.8/7

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

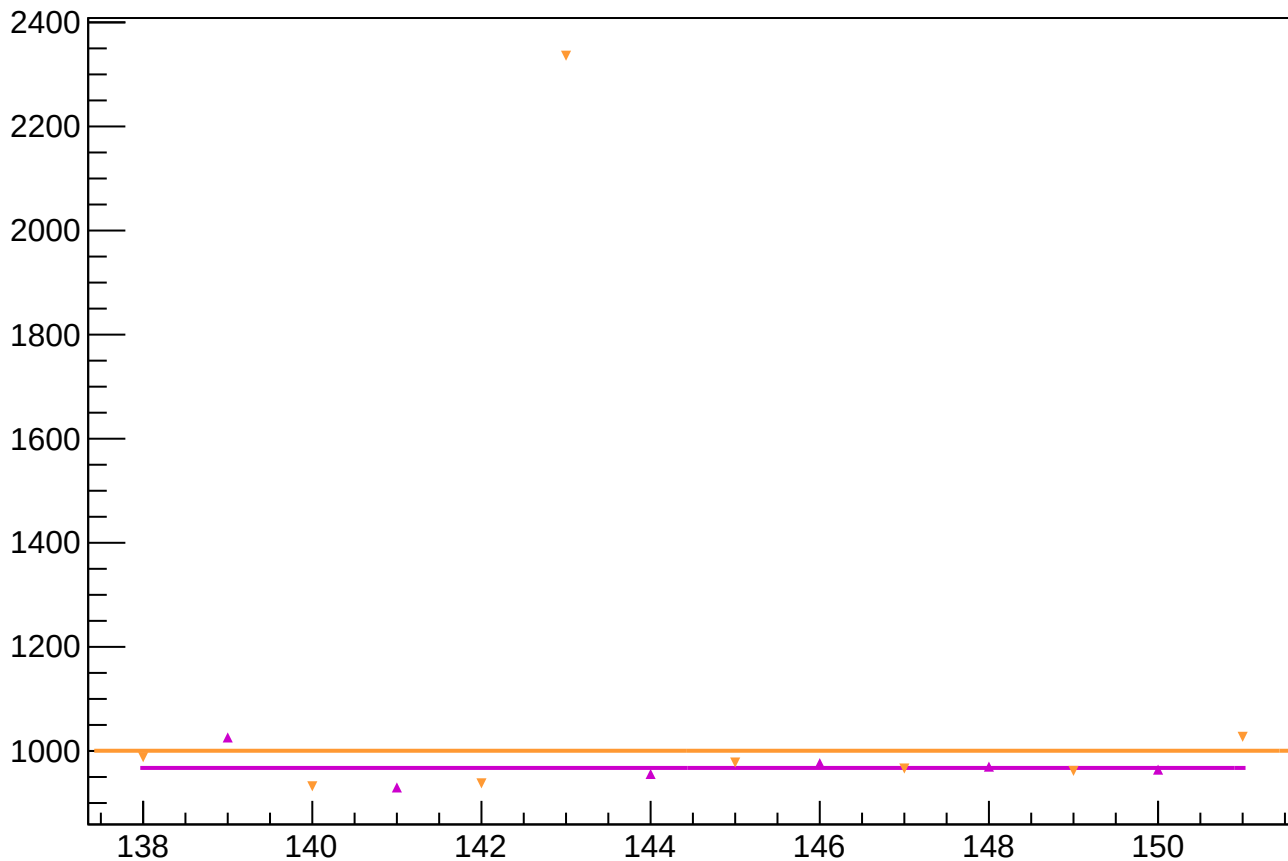
Left In: -526.059+/-436.279 χ^2/NDF : 6.5/5

242.846+/-424.378 χ^2/NDF : 6.8/7

-130.977+/-304.201 χ^2/NDF : 14.9/13

-526.059+/-436.279 χ^2/NDF : 6.5/5

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 1000.426+/-0.300 χ^2/NDF : 454223.2/7

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

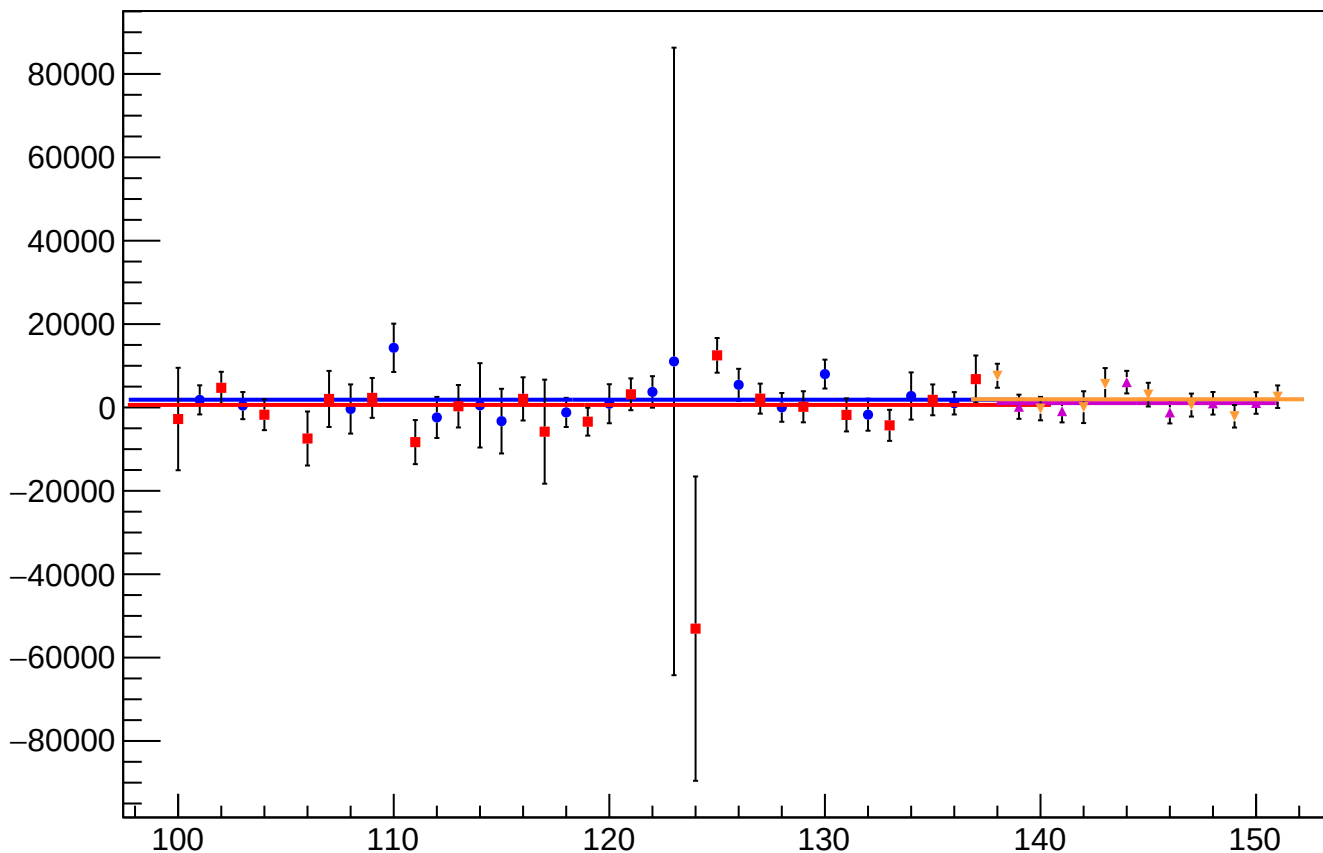
Left In: 967.403+/-0.308 χ^2/NDF : 7902.5/5

1000.426+/-0.300 χ^2/NDF : 454223.2/7

984.371+/-0.215 χ^2/NDF : 468013.2/13

967.403+/-0.308 χ^2/NDF : 7902.5/5

reg_asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 1966.701+/-1045.703 χ^2/NDF : 8.4/7

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

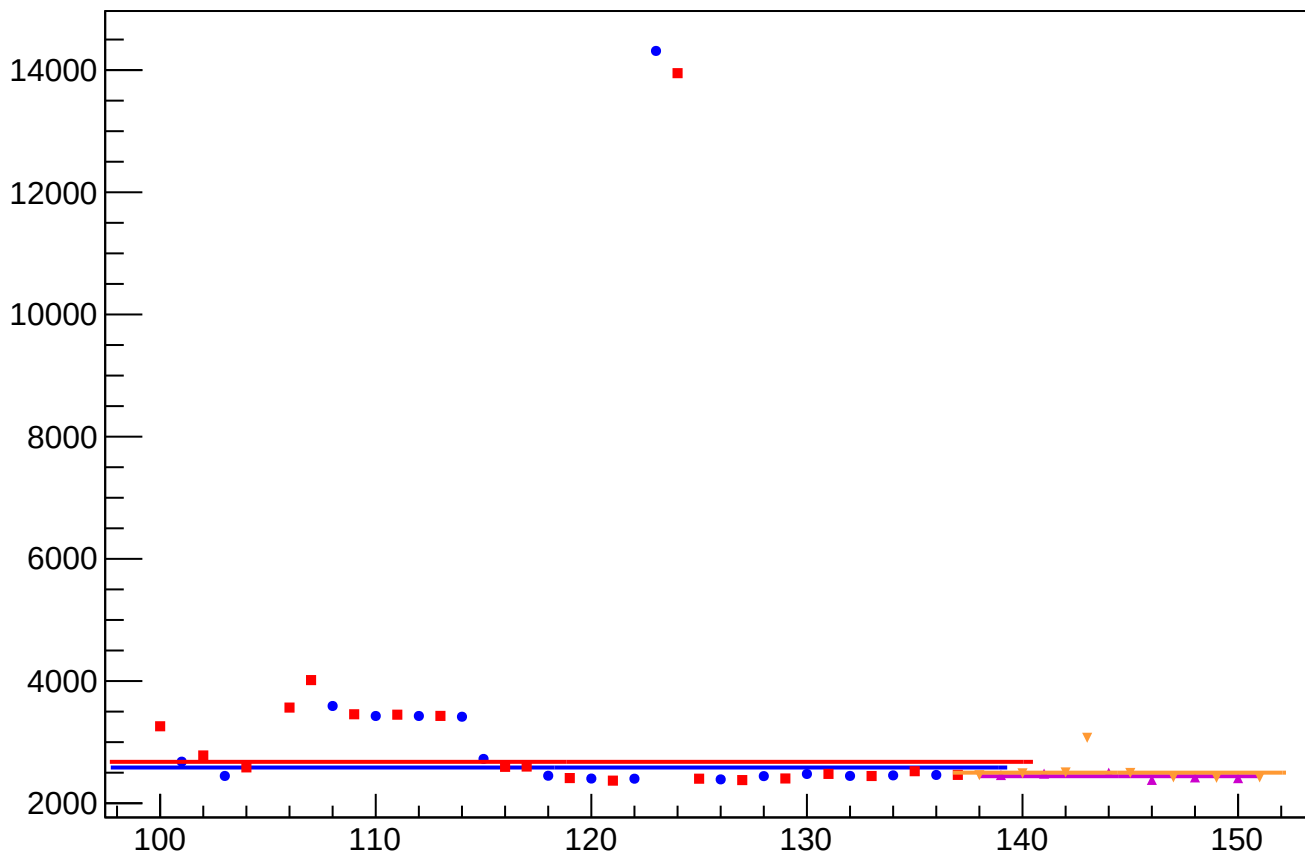
Left In: 1046.602+/-1104.399 χ^2/NDF : 4.8/5

1911.559+/-727.748 χ^2/NDF : 20.9/24

1377.743+/-522.099 χ^2/NDF : 49.2/50

811.618+/-749.449 χ^2/NDF : 27.2/25

reg_asym_atl1_rms vs Slug, Sign Corrected



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

Left Out: 2500.625+/-0.739 χ^2/NDF : 50569.5/7

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

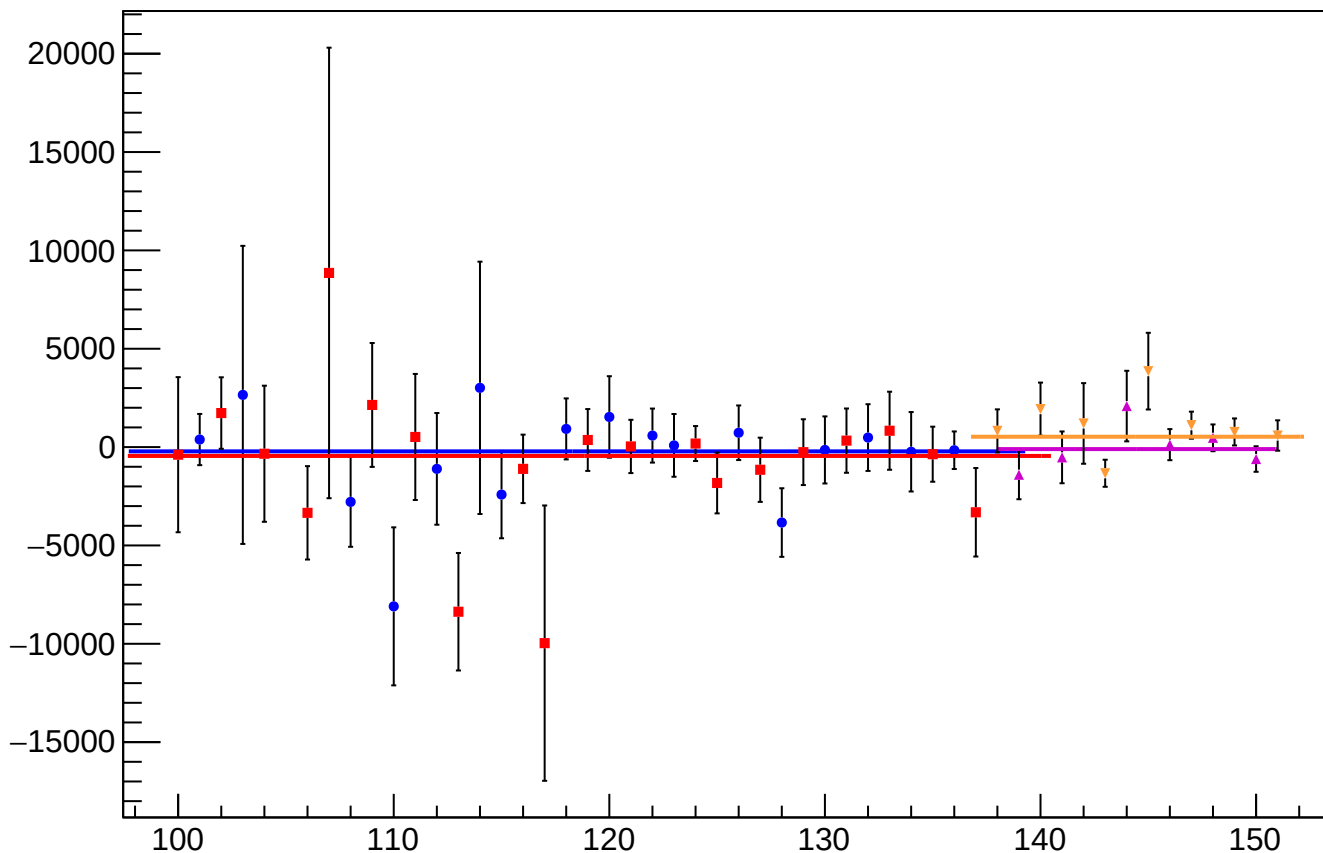
Left In: 2442.669+/-0.781 χ^2/NDF : 2948.3/5

2544.041+/-0.515 χ^2/NDF : 312965.6/24

2556.384+/-0.369 χ^2/NDF : 898144.4/50

2569.474+/-0.530 χ^2/NDF : 583993.4/25

asym_atl1_correction_mean vs Slug, Sign Corrected



Right In: -217.017 $\pm$ 420.077 χ^2 /NDF: 13.4/16

Left Out: 526.645 $\pm$ 317.483 χ^2 /NDF:12.4/7

Right Out: -449.702 $\pm$ 408.279 χ^2 /NDF: 17.5/19

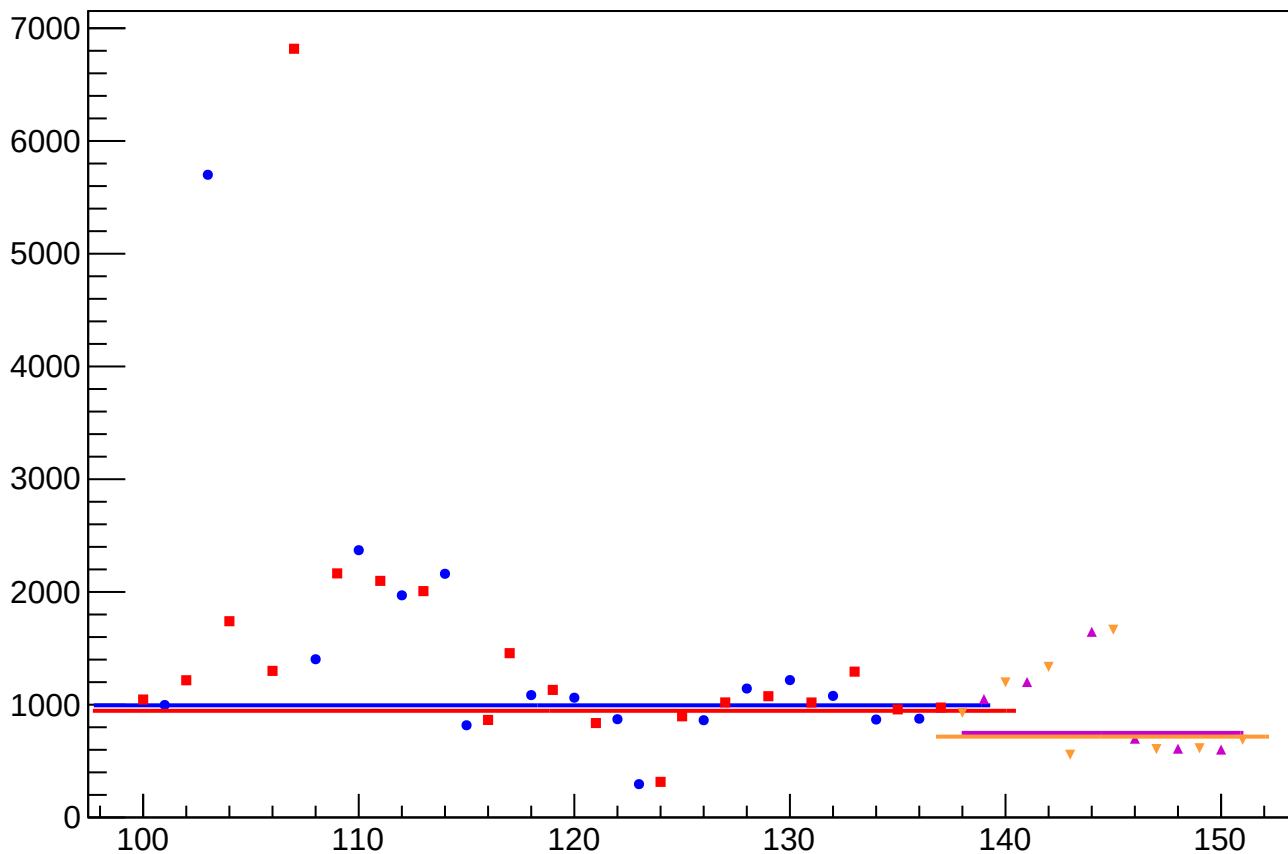
Left In: -101.354 $\pm$ 361.102 χ^2 /NDF:4.1/5

256.294 $\pm$ 253.283 χ^2 /NDF: 27.7/24

17.774 $\pm$ 184.881 χ^2 /NDF: 51.6/50

-254.248 $\pm$ 270.486 χ^2 /NDF: 22.0/25

asym_atl1_correction_rms vs Slug, Sign Corrected



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

Left Out: 716.680 $\pm$ 0.224 χ^2/NDF :1192413.7/7

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

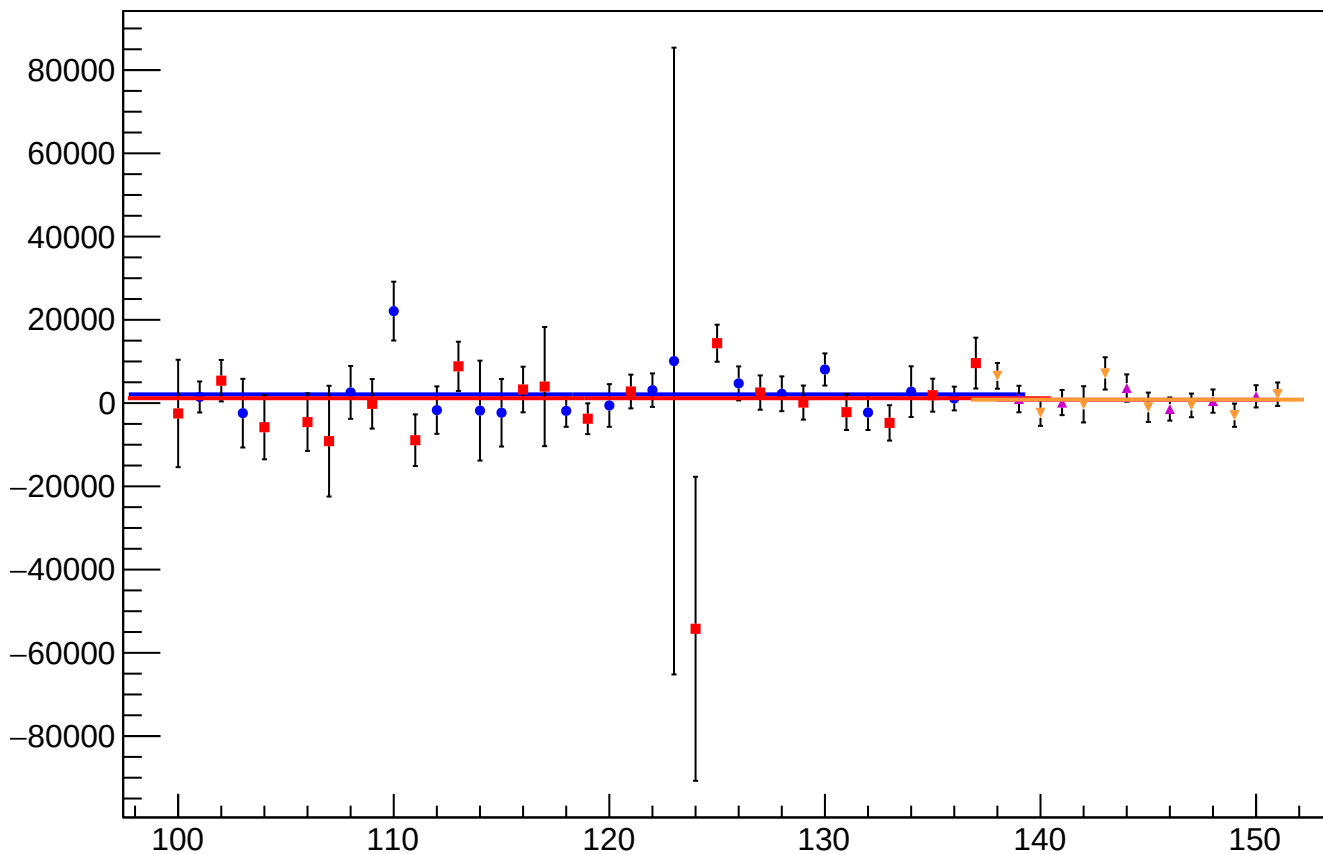
Left In: 749.707 $\pm$ 0.255 χ^2/NDF :1047953.7/5

817.694 $\pm$ 0.179 χ^2/NDF : 3653886.7/24

826.189 $\pm$ 0.131 χ^2/NDF : 7642841.2/50

835.876 $\pm$ 0.191 χ^2/NDF : 3984139.5/25

asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 832.637+/-1128.993 χ^2/NDF : 9.7/7

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

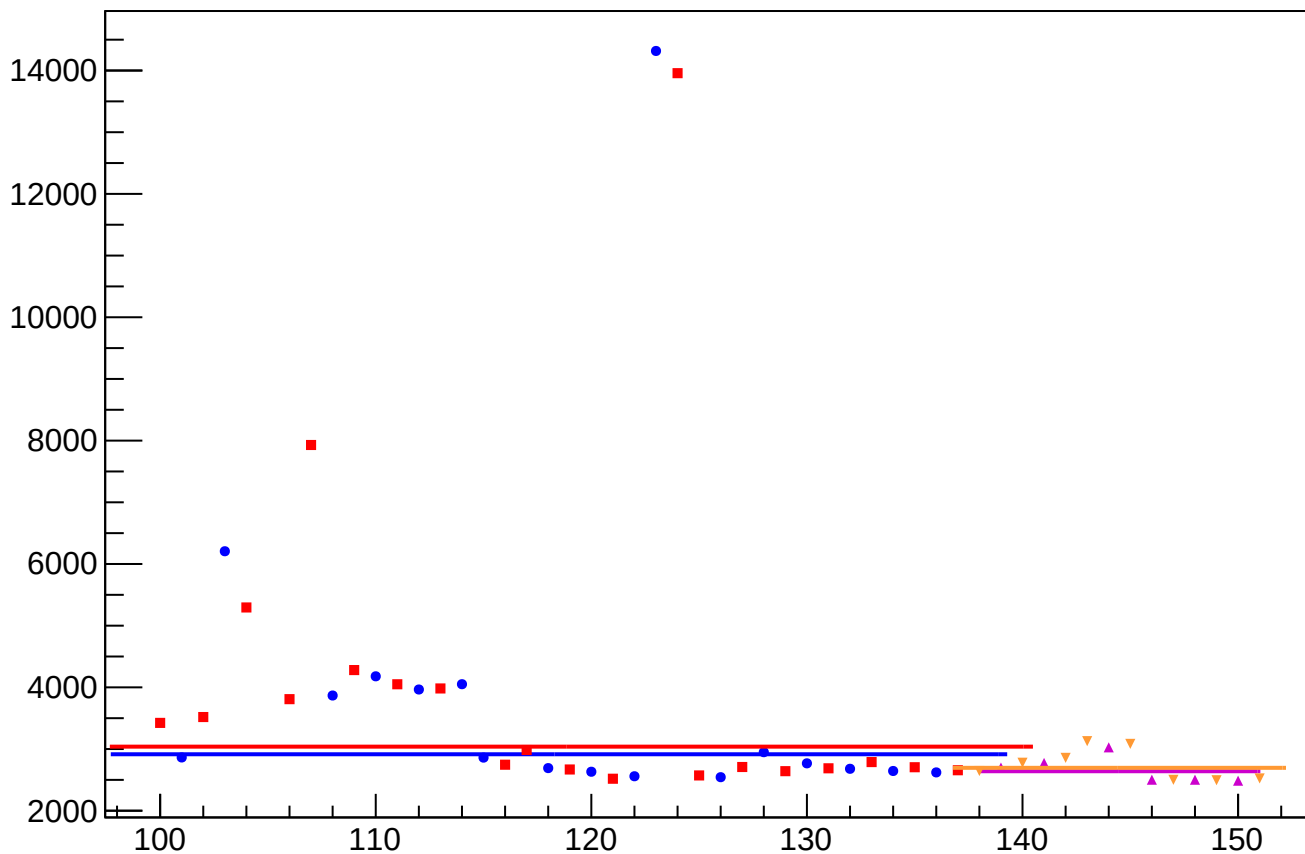
Left In: 788.731+/-1196.690 χ^2/NDF : 1.5/5

1446.028+/-809.203 χ^2/NDF : 24.9/24

1222.103+/-583.206 χ^2/NDF : 51.8/50

980.069+/-841.288 χ^2/NDF : 26.8/25

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2915.201 ± 0.821 $\chi^2/\text{NDF}: 639136.4/16$

Left Out: 2695.301 ± 0.798 $\chi^2/\text{NDF}: 81001.7/7$

Right Out: 3038.763 ± 0.836 $\chi^2/\text{NDF}: 1011412.5/19$

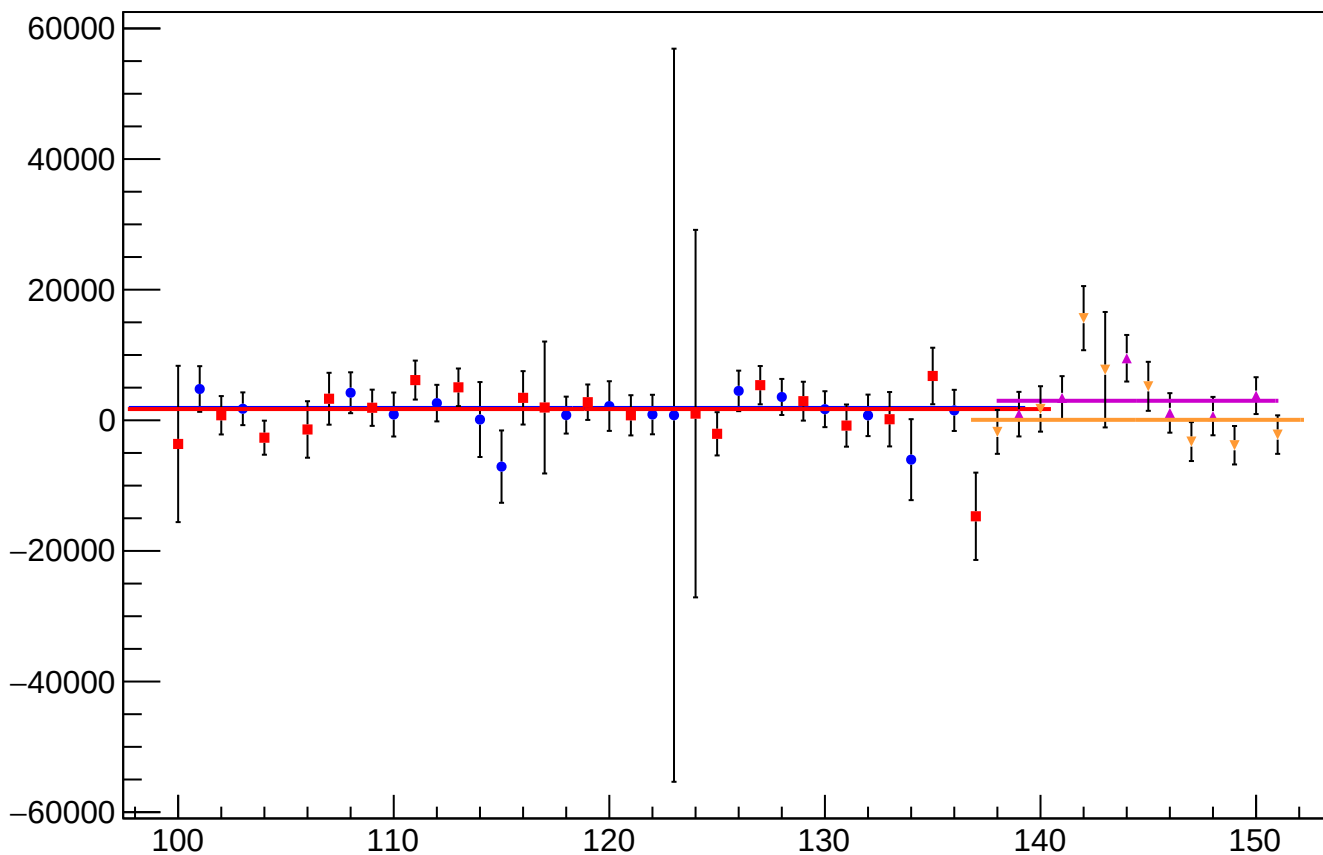
Left In: 2640.013 ± 0.846 $\chi^2/\text{NDF}: 48827.8/5$

2802.232 ± 0.572 $\chi^2/\text{NDF}: 757034.0/24$

2821.195 ± 0.412 $\chi^2/\text{NDF}: 1931870.7/50$

2841.690 ± 0.595 $\chi^2/\text{NDF}: 1172551.4/25$

reg_asym_atl2_mean vs Slug, Sign Corrected



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

Left Out: 71.329 $\pm$ 1250.490 χ^2 /NDF: 16.8/7

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

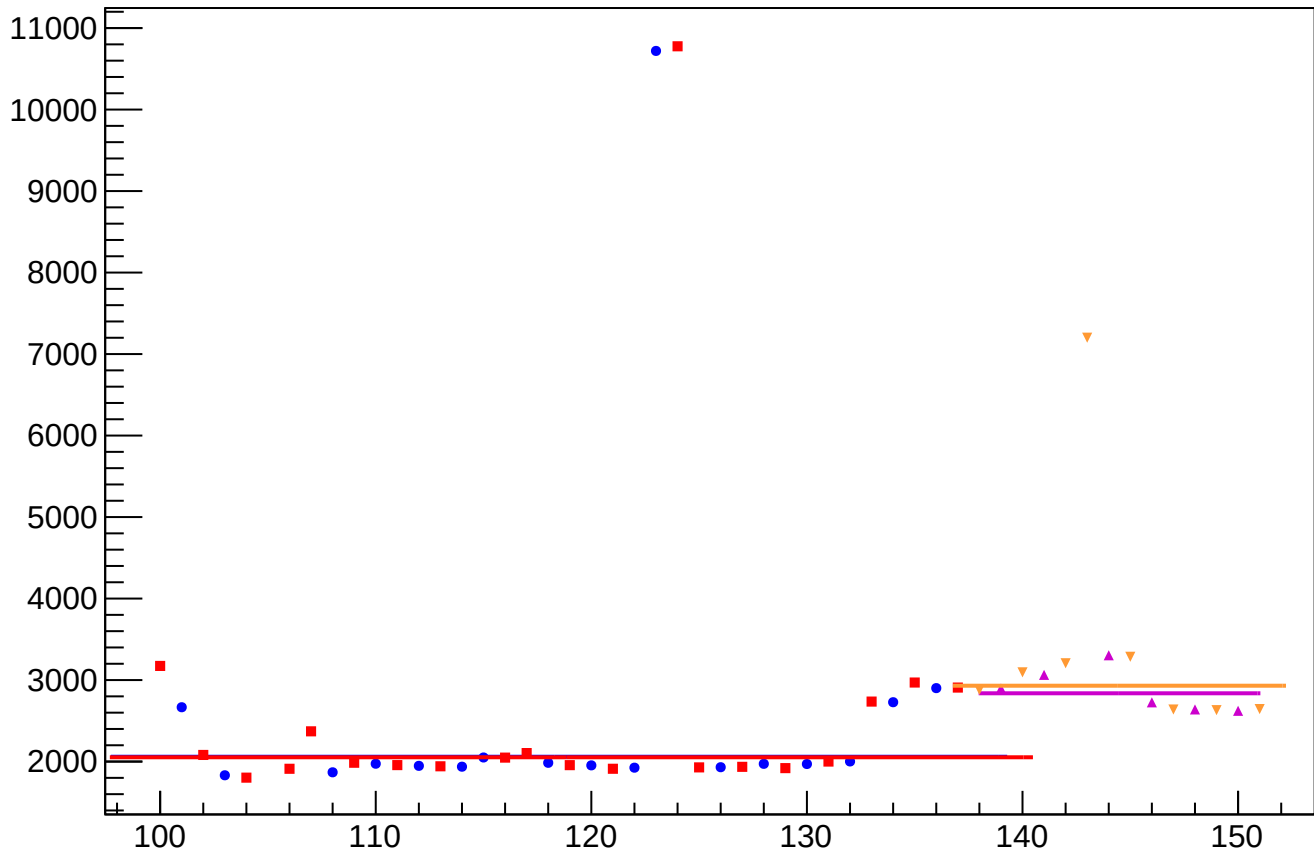
Left In: 2989.385 $\pm$ 1285.451 χ^2 /NDF: 4.8/5

1351.089 $\pm$ 680.684 χ^2 /NDF: 25.5/24

1713.818 $\pm$ 478.084 χ^2 /NDF: 50.6/50

2066.964 $\pm$ 671.633 χ^2 /NDF: 24.5/25

reg_asym_atl2_rms vs Slug, Sign Corrected



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

Left Out: 2930.686 $\pm$ 0.884 $\chi^2/\text{NDF}: 554807.1/7$

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

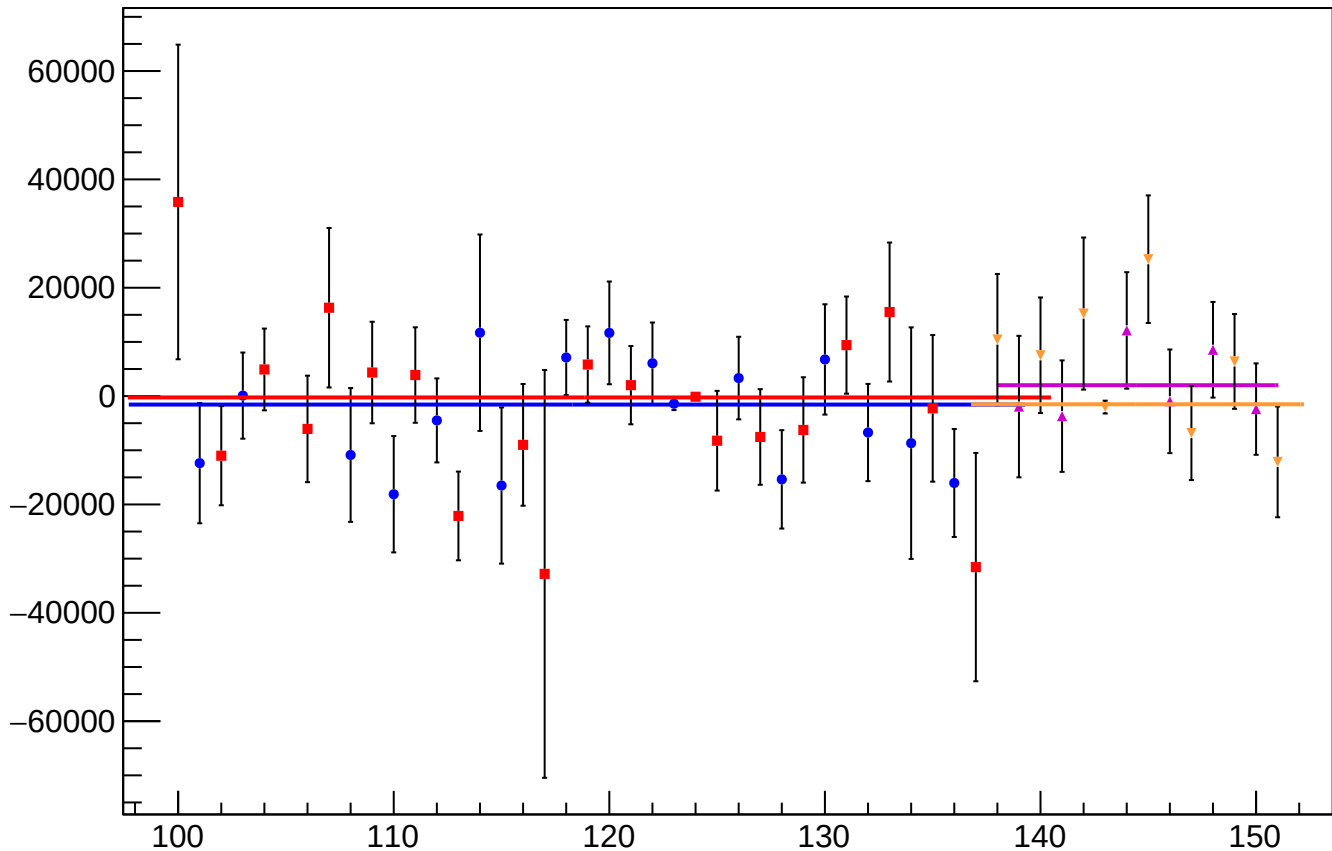
Left In: 2837.731 $\pm$ 0.909 $\chi^2/\text{NDF}: 67384.3/5$

2317.254 $\pm$ 0.481 $\chi^2/\text{NDF}: 1557303.1/24$

2291.748 $\pm$ 0.338 $\chi^2/\text{NDF}: 2616065.9/50$

2266.917 $\pm$ 0.475 $\chi^2/\text{NDF}: 1053220.9/25$

asym_atl2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1507.965 ± 1133.153 $\chi^2/\text{NDF}: 10.7/7$

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

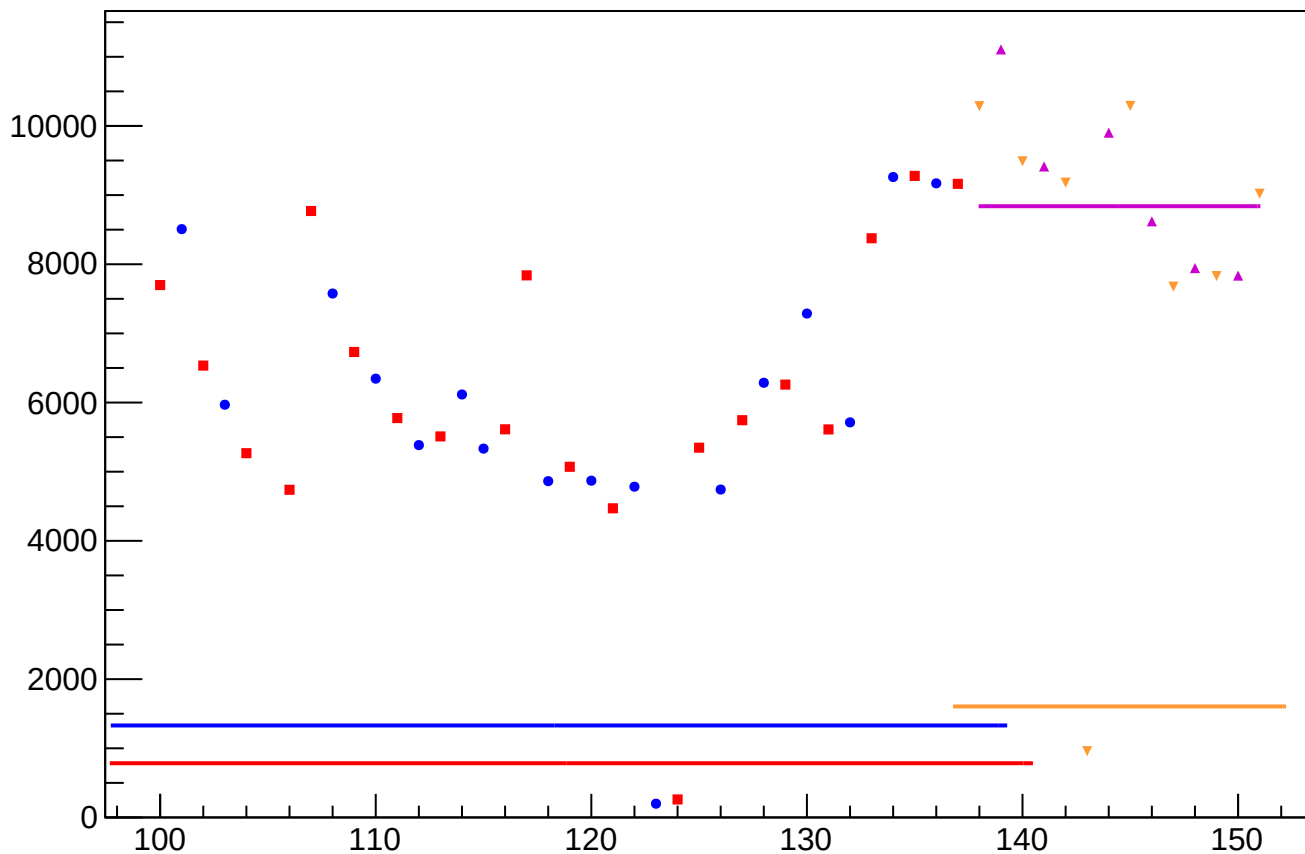
Left In: 2010.404 ± 4023.175 $\chi^2/\text{NDF}: 2.2/5$

-1537.590 ± 771.736 $\chi^2/\text{NDF}: 26.9/24$

-779.202 ± 512.260 $\chi^2/\text{NDF}: 52.7/50$

-181.874 ± 684.903 $\chi^2/\text{NDF}: 24.1/25$

asym_atl2_correction_rms vs Slug, Sign Corrected



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

Left Out: 1605.405+/-0.801 χ^2/NDF : 7431847.8/7

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

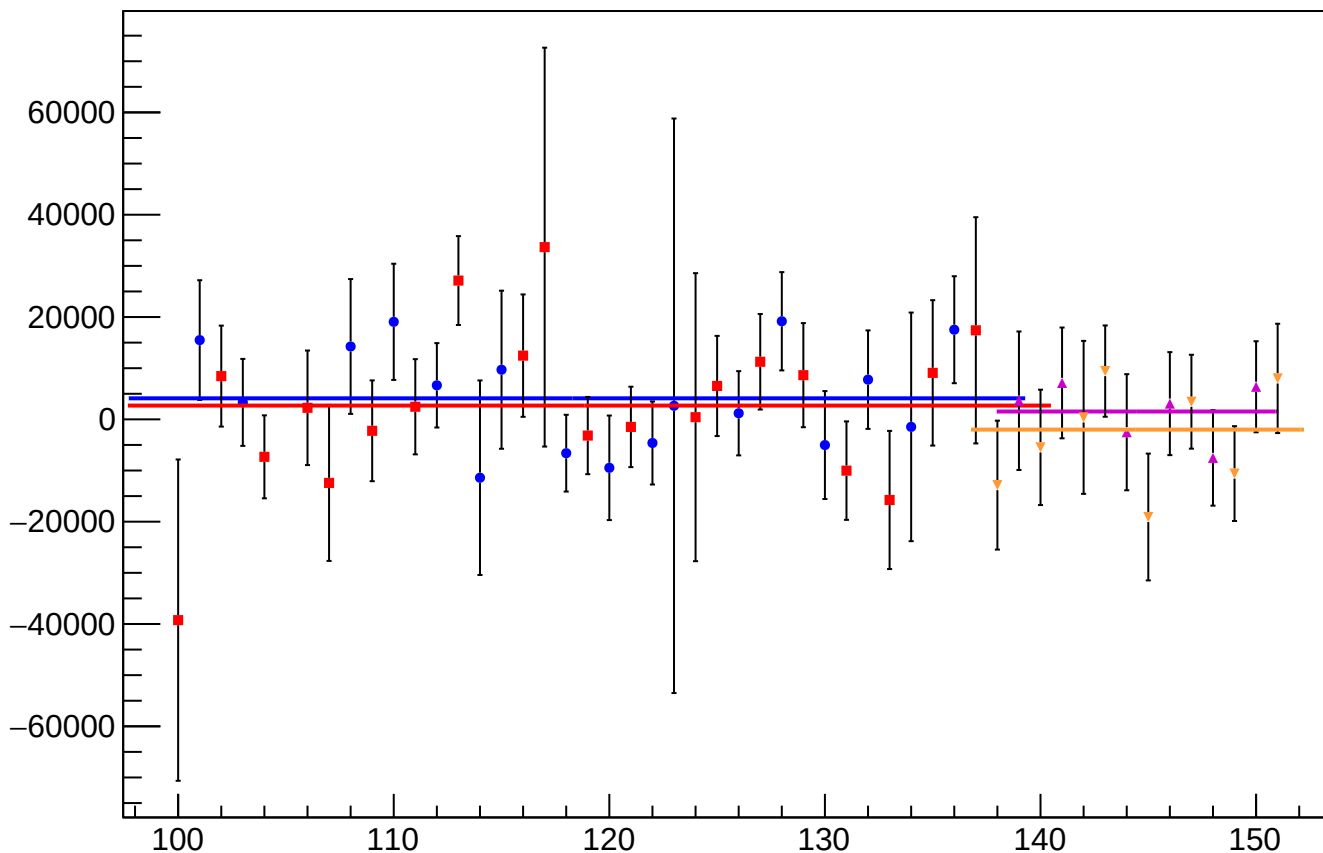
Left In: 8838.989+/-2.845 χ^2/NDF : 136037.8/5

1457.876+/-0.546 χ^2/NDF : 17541904.9/24

1211.637+/-0.362 χ^2/NDF : 37336461.0/5

1017.692+/-0.484 χ^2/NDF : 19430571.6/25

asym_atl2_mean vs Slug, Sign Corrected



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

Left Out: -2005.973 $\pm$ 3780.005 χ^2 /NDF: 6.5/7

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

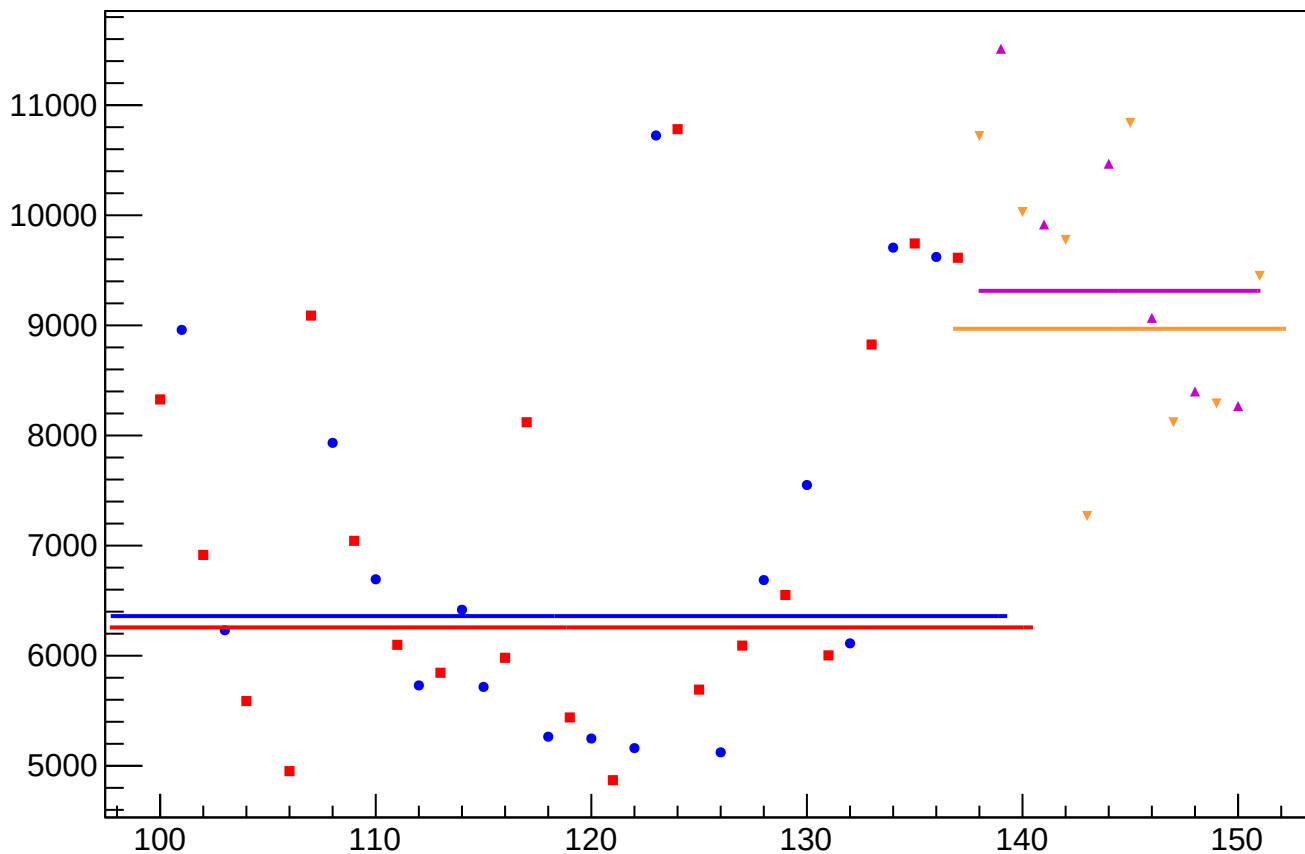
Left In: 1534.561 $\pm$ 4236.590 χ^2 /NDF: 1.7/5

2214.472 $\pm$ 2105.066 χ^2 /NDF: 22.6/24

2313.463 $\pm$ 1486.218 χ^2 /NDF: 45.0/50

2411.847 $\pm$ 2098.610 χ^2 /NDF: 22.3/25

asym_atl2_rms vs Slug, Sign Corrected



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

Left Out: 8969.321 $\pm$ 2.673 χ^2 /NDF:212124.5/7

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

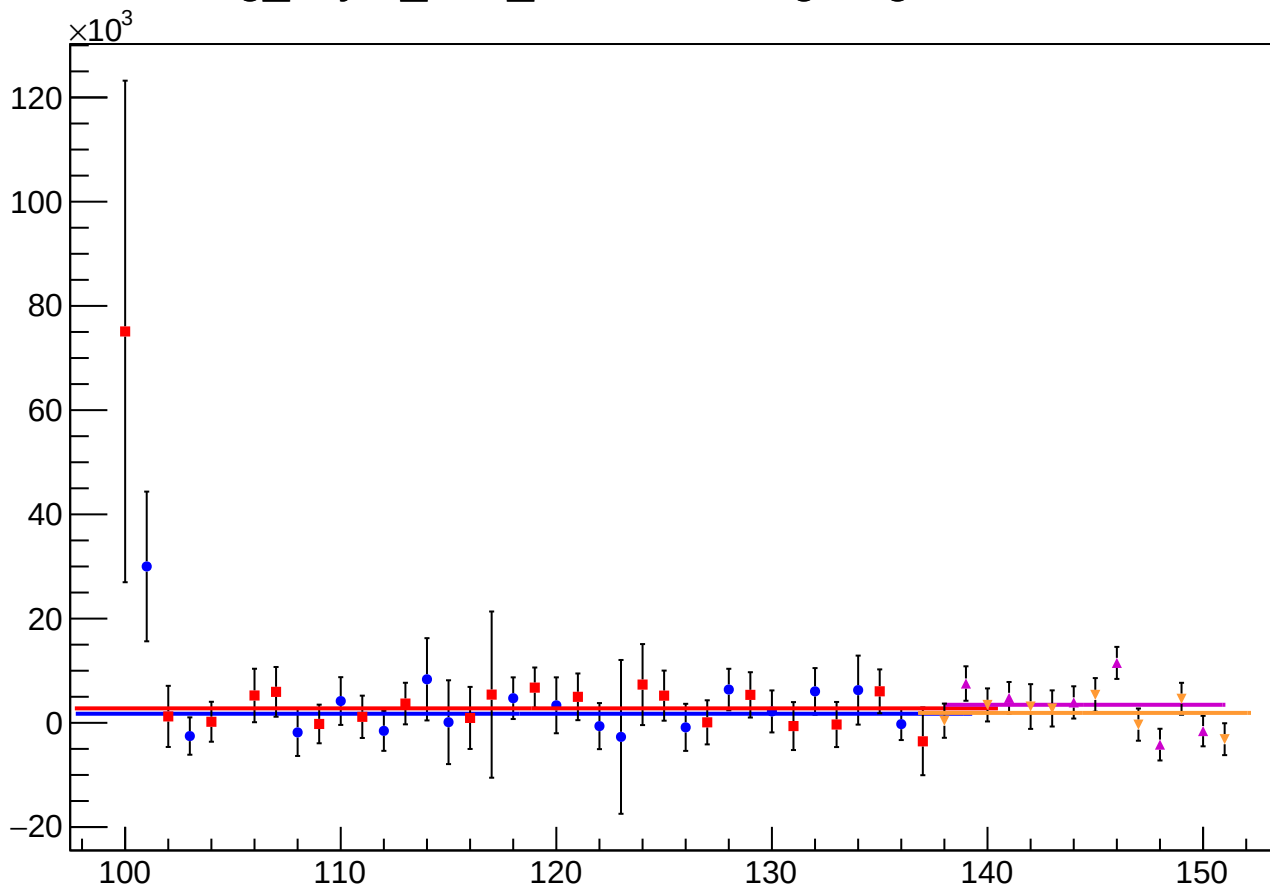
Left In: 9313.733 $\pm$ 2.996 χ^2 /NDF:127658.2/5

7169.179 $\pm$ 1.489 χ^2 /NDF: 1450089.0/24

7087.923 $\pm$ 1.051 χ^2 /NDF: 2906816.4/50

7007.169 $\pm$ 1.484 χ^2 /NDF: 1450785.9/25

reg_asym_atr1_mean vs Slug, Sign Corrected



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

Left Out: 1904.071 $\pm$ 1159.019 χ^2 /NDF: 5.8/7

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

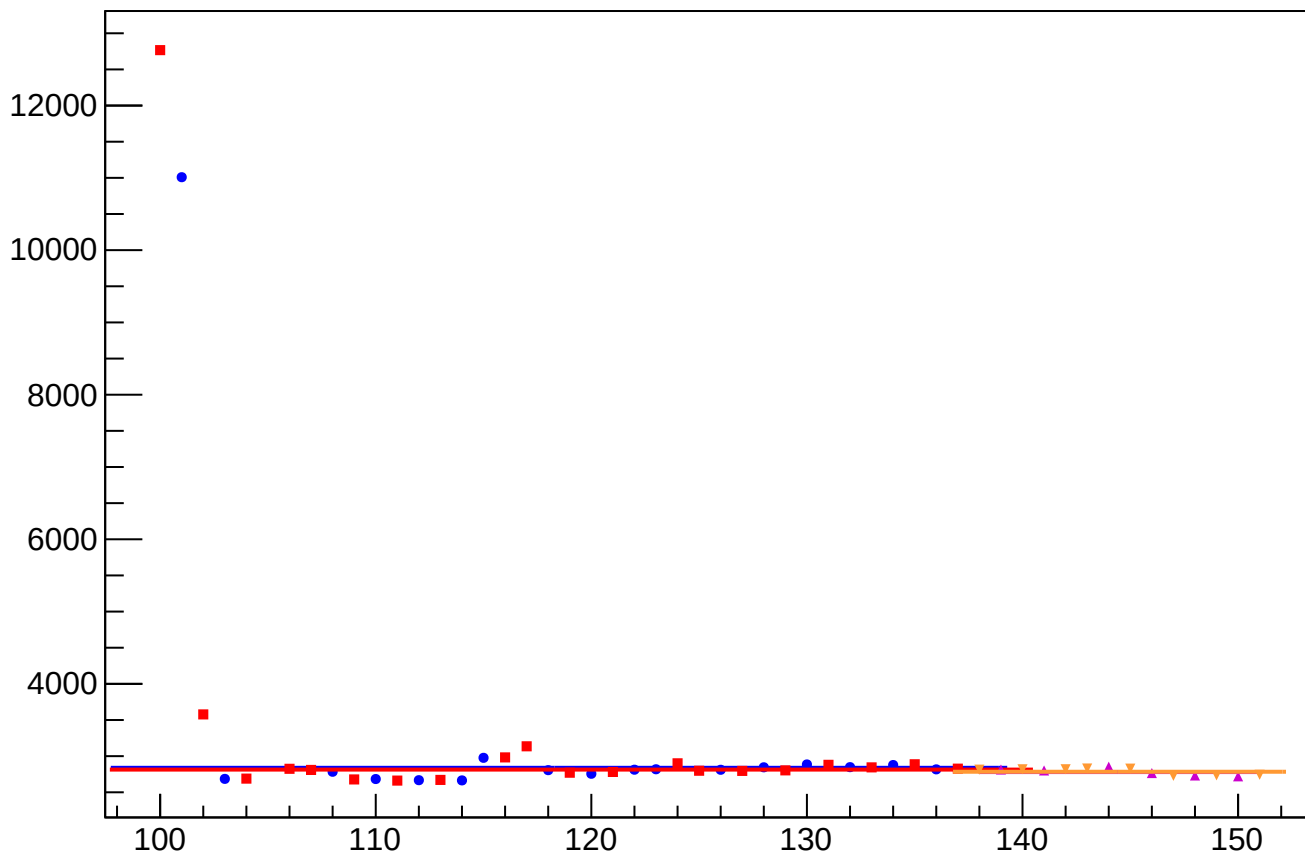
Left In: 3463.386 $\pm$ 1255.430 χ^2 /NDF: 17.9/5

1822.929 $\pm$ 808.553 χ^2 /NDF: 18.0/24

2439.664 $\pm$ 573.700 χ^2 /NDF: 46.9/50

3064.961 $\pm$ 814.145 χ^2 /NDF: 27.7/25

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2838.737 $\pm$ 0.798 χ^2 /NDF: 660209.3/16

Left Out: 2784.234 $\pm$ 0.820 χ^2 /NDF: 2794.2/7

Right Out: 2814.083 $\pm$ 0.756 χ^2 /NDF: 133883.7/19

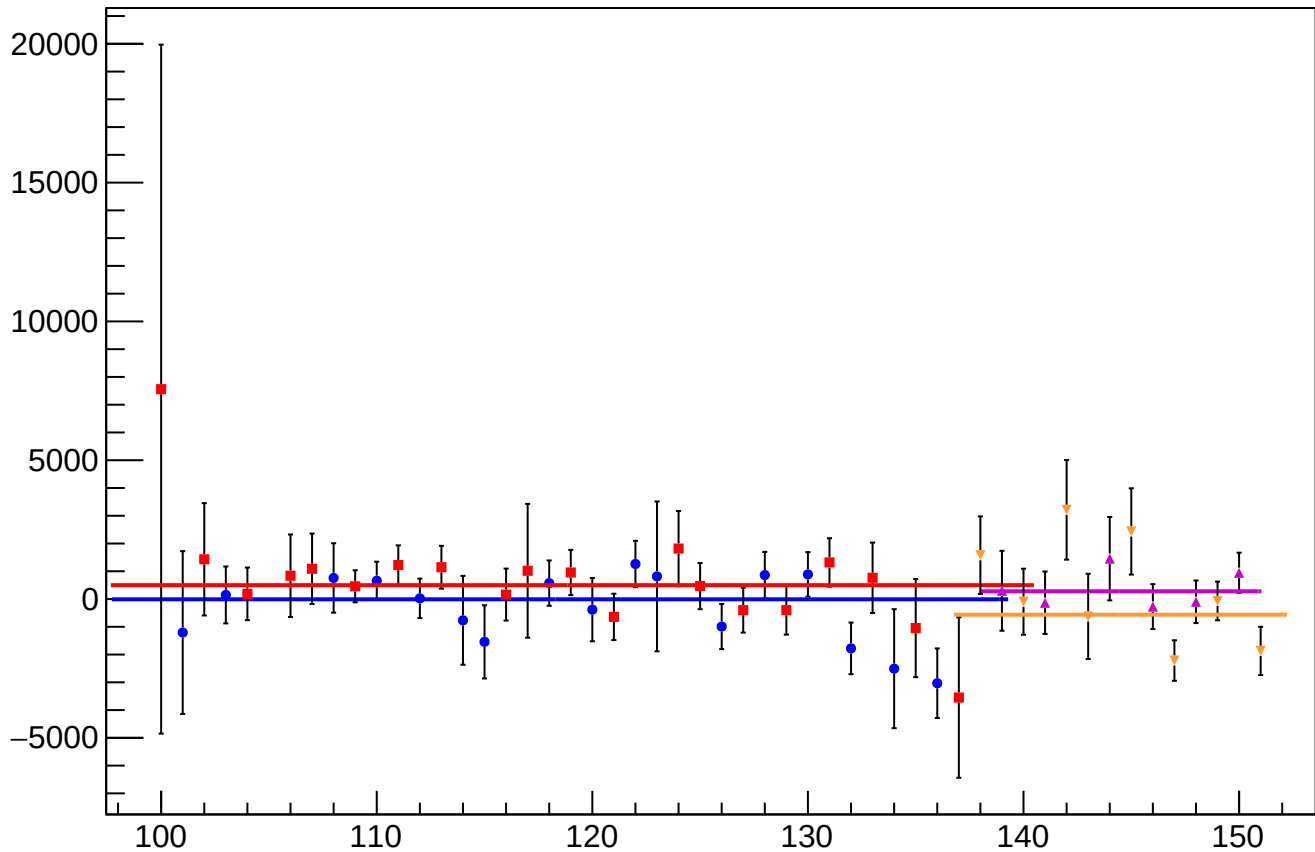
Left In: 2779.867 $\pm$ 0.888 χ^2 /NDF: 2829.7/5

2812.212 $\pm$ 0.572 χ^2 /NDF: 665273.9/24

2805.996 $\pm$ 0.406 χ^2 /NDF: 803086.2/50

2799.693 $\pm$ 0.576 χ^2 /NDF: 137574.3/25

asym_atr1_correction_mean vs Slug, Sign Corrected



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

Left Out: -562.391+/-362.076 χ^2/NDF : 18.5/7

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

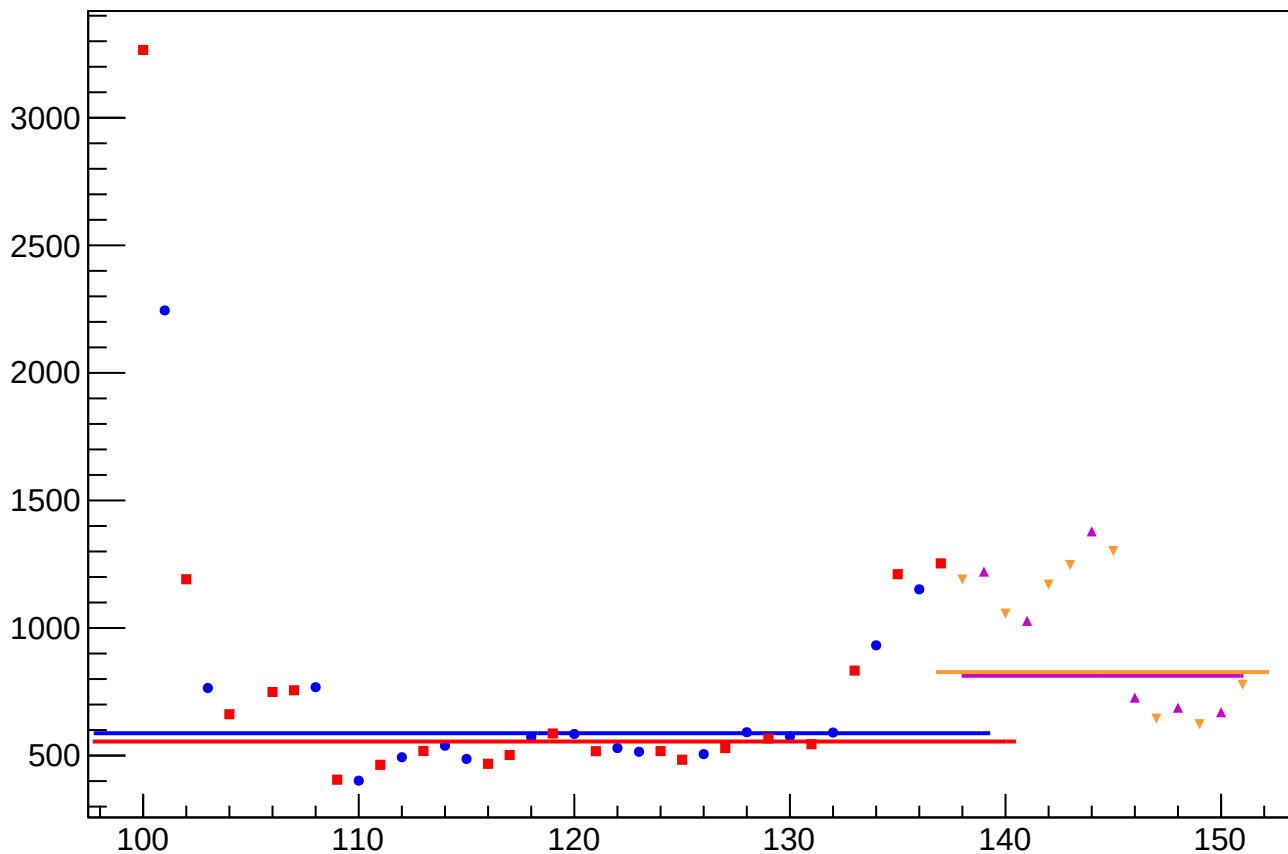
Left In: 279.092+/-381.664 χ^2/NDF : 2.3/5

-180.146+/-201.013 χ^2/NDF : 40.9/24

148.135+/-138.448 χ^2/NDF : 60.4/50

444.415+/-190.965 χ^2/NDF : 14.5/25

asym_atr1_correction_rms vs Slug, Sign Corrected



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

Left Out: 827.206+/-0.256 χ^2/NDF : 921926.0/7

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

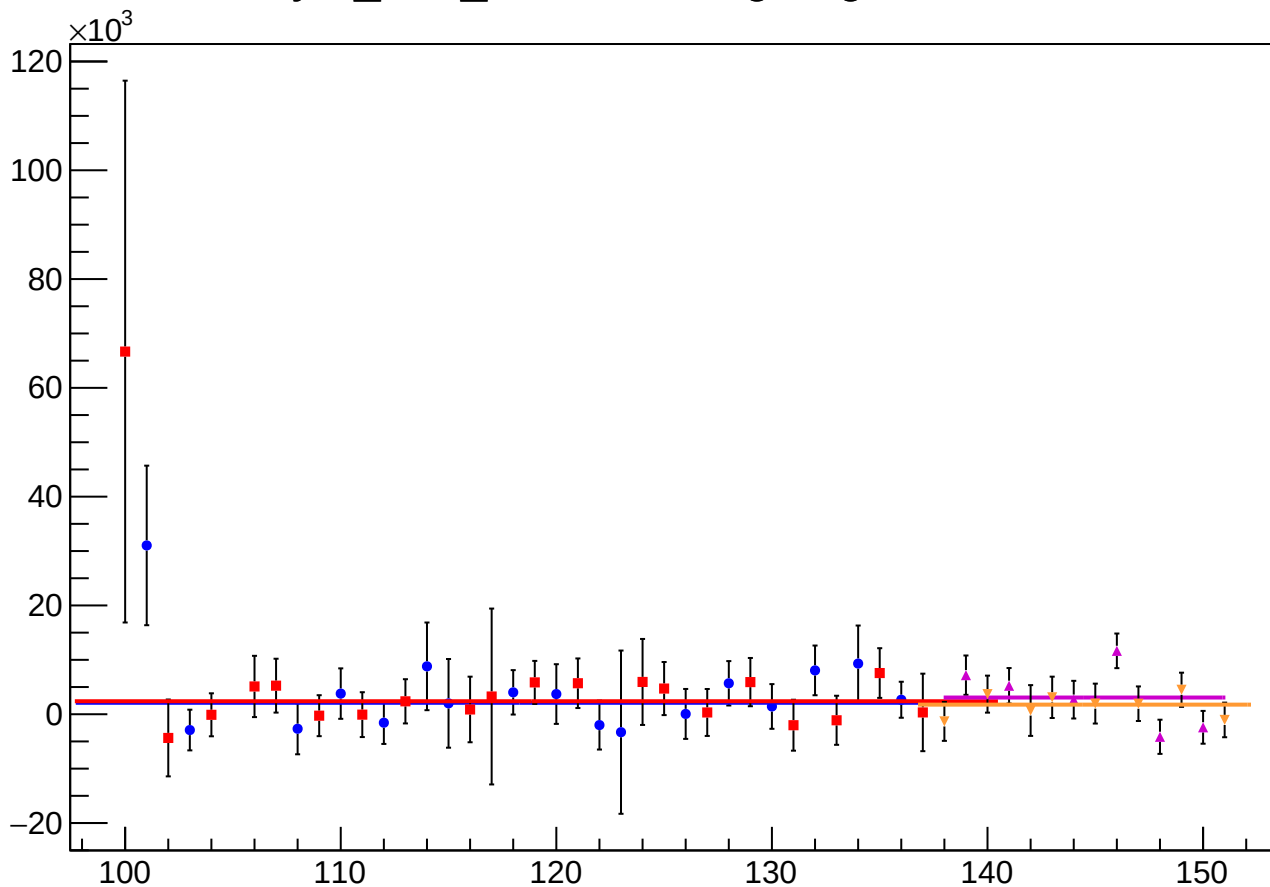
Left In: 812.947+/-0.270 χ^2/NDF : 672565.9/5

661.447+/-0.142 χ^2/NDF : 2953609.7/24

639.473+/-0.098 χ^2/NDF : 5463745.3/50

619.642+/-0.135 χ^2/NDF : 2464668.4/25

asym_atr1_mean vs Slug, Sign Corrected



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

Left Out: 1764.876+/-1237.358 χ^2/NDF : 2.8/7

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

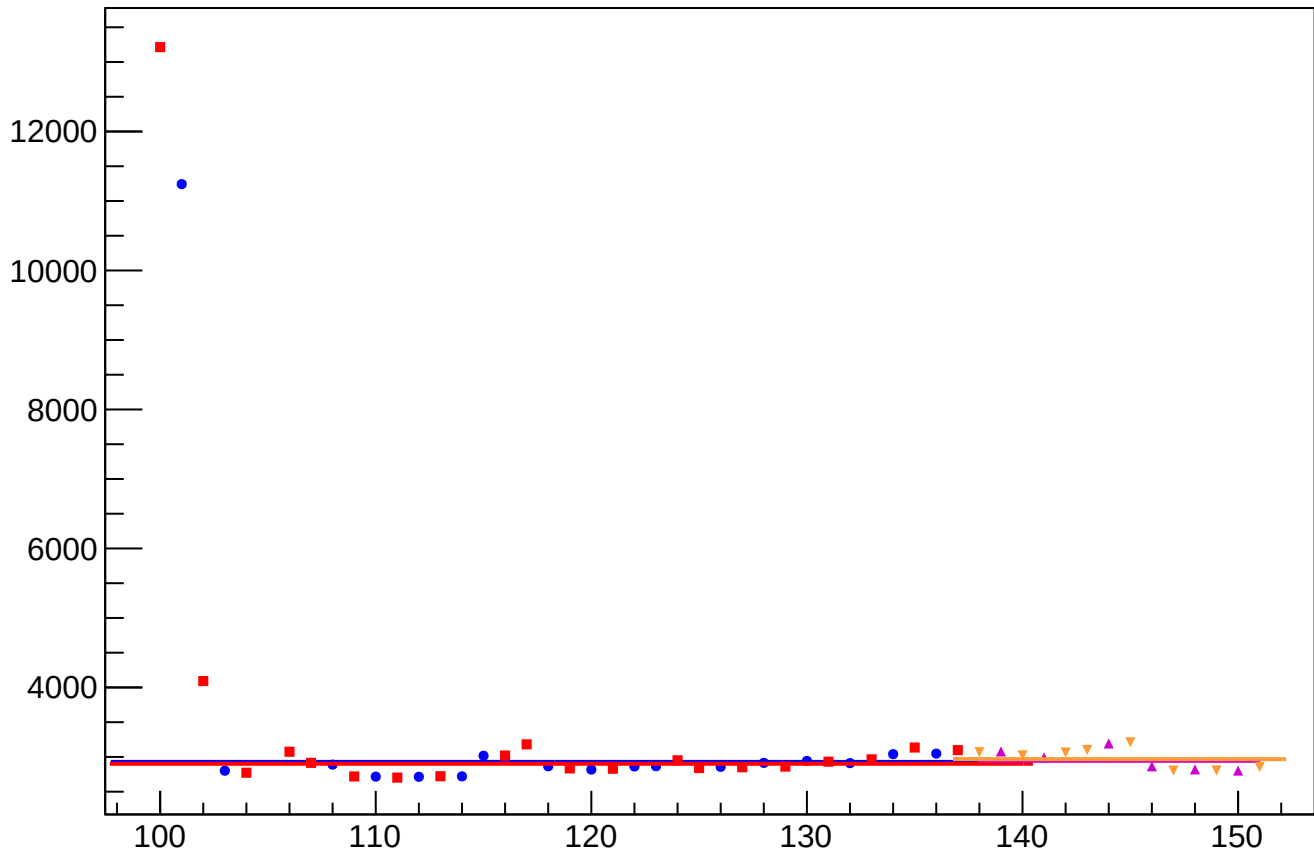
Left In: 3070.056+/-1331.114 χ^2/NDF : 17.6/5

1947.125+/-847.950 χ^2/NDF : 16.3/24

2306.189+/-600.815 χ^2/NDF : 44.3/50

2668.198+/-851.422 χ^2/NDF : 27.7/25

asym_atr1_rms vs Slug, Sign Corrected



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

Left Out: 2968.363+/-0.875 χ^2/NDF : 27380.3/7

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

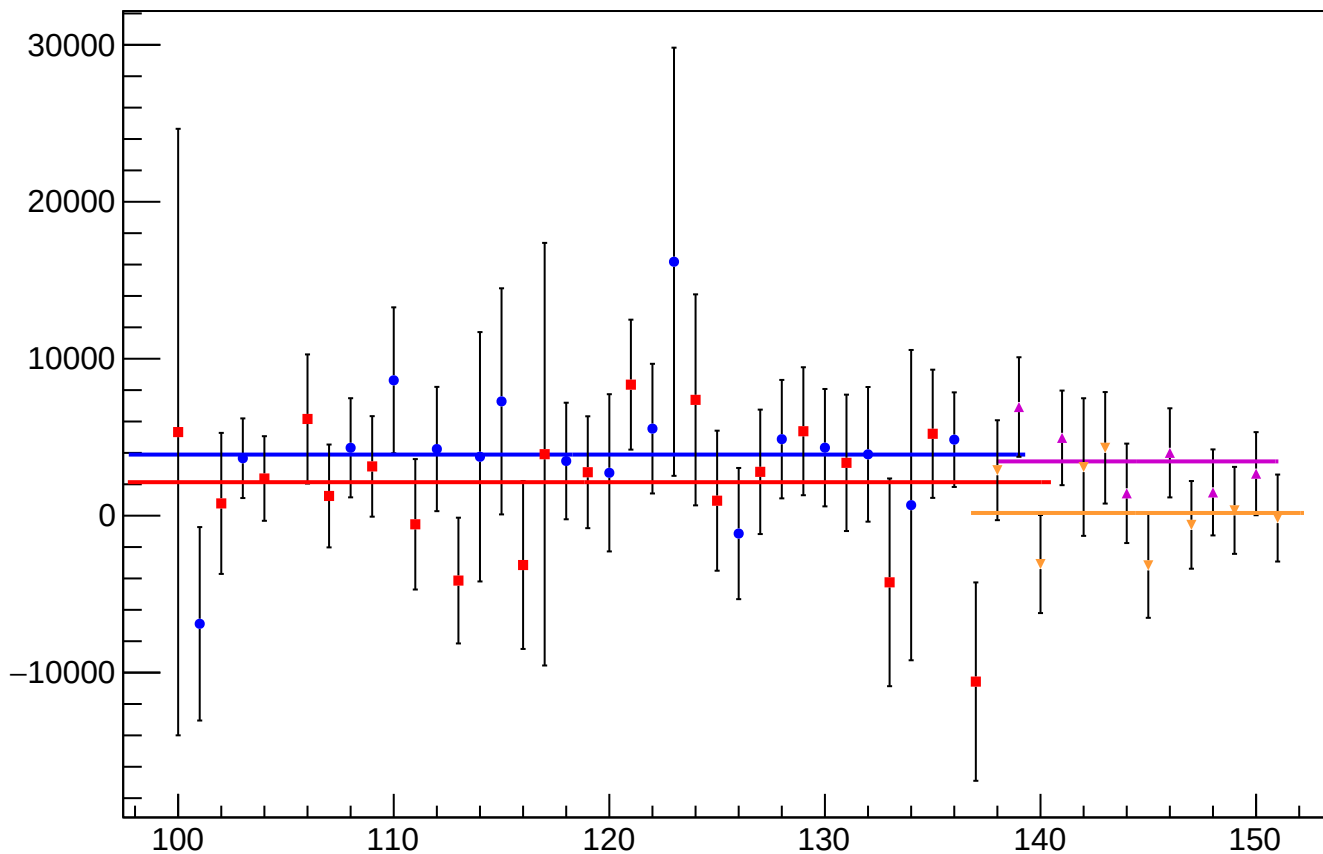
Left In: 2944.425+/-0.941 χ^2/NDF : 22248.4/5

2947.327+/-0.600 χ^2/NDF : 690833.0/24

2933.337+/-0.425 χ^2/NDF : 885707.8/50

2919.233+/-0.602 χ^2/NDF : 193781.6/25

reg_asym_atr2_mean vs Slug, Sign Corrected



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

Left Out: 172.033+/-1110.828 χ^2/NDF : 4.7/7

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

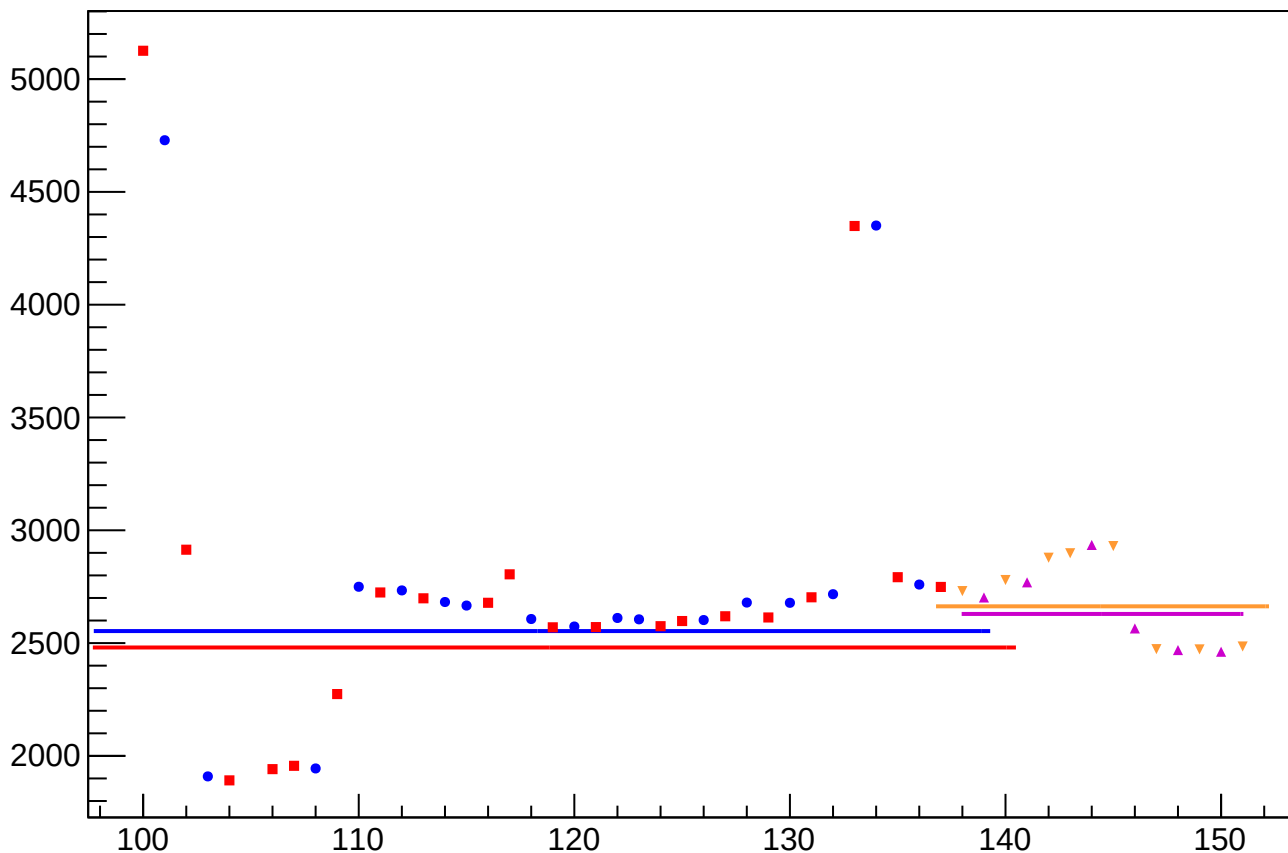
Left In: 3457.389+/-1187.519 χ^2/NDF : 2.5/5

2205.613+/-747.982 χ^2/NDF : 18.0/24

2430.922+/-527.731 χ^2/NDF : 35.8/50

2654.245+/-744.676 χ^2/NDF : 17.6/25

reg_asym_atr2_rms vs Slug, Sign Corrected



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

Left Out: 2662.958+/-0.785 χ^2/NDF : 57019.7/7

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

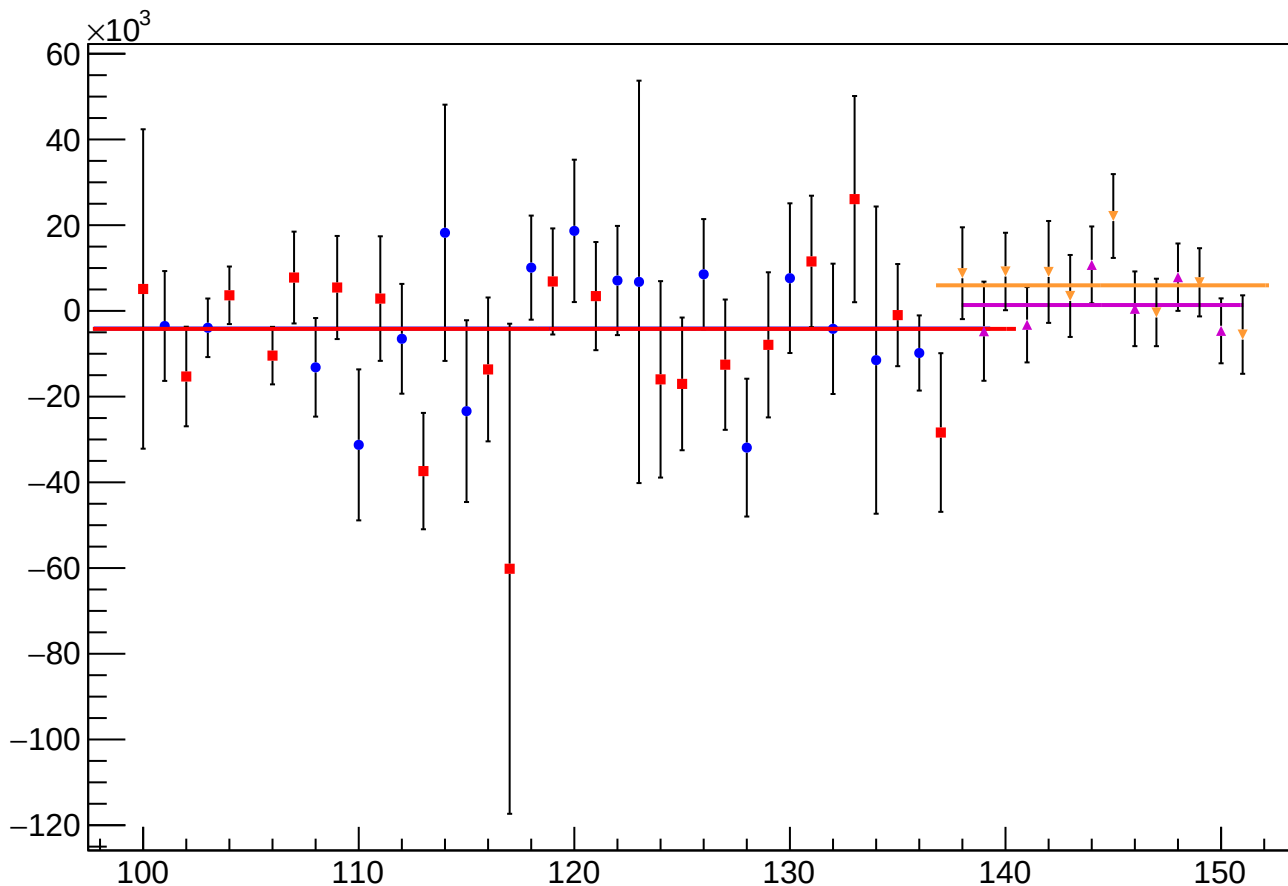
Left In: 2629.175+/-0.840 χ^2/NDF : 39887.0/5

2603.009+/-0.529 χ^2/NDF : 612903.7/24

2570.846+/-0.373 χ^2/NDF : 1129843.9/50

2538.966+/-0.527 χ^2/NDF : 509576.7/25

asym_atr2_correction_mean vs Slug, Sign Corrected



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

Left Out: 5967.939 $\pm$ 3274.061 χ^2 /NDF: 5.3/7

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

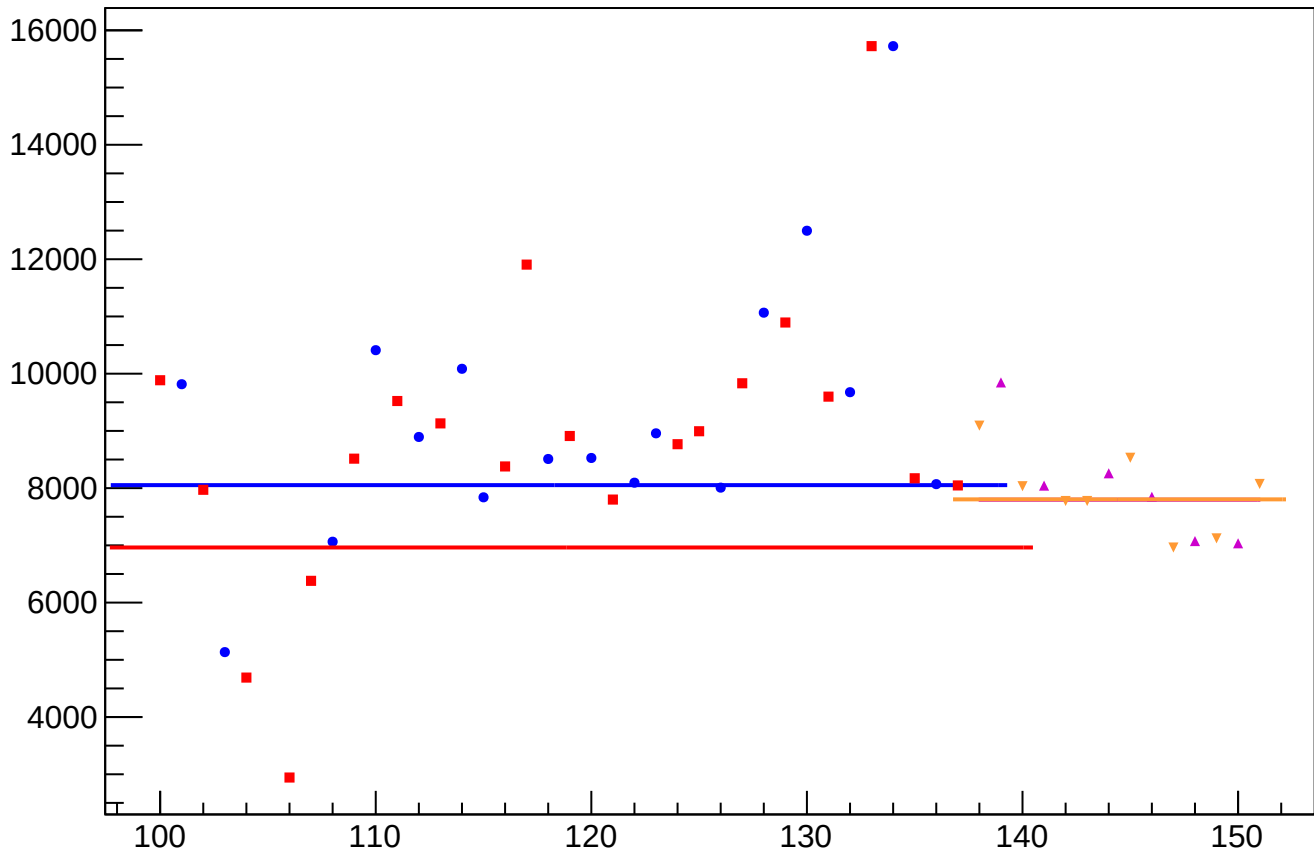
Left In: 1368.633 $\pm$ 3544.154 χ^2 /NDF: 3.0/5

847.809 $\pm$ 2298.307 χ^2 /NDF: 23.5/24

-646.094 $\pm$ 1593.715 χ^2 /NDF: 48.2/50

-2029.758 $\pm$ 2211.883 χ^2 /NDF: 23.9/25

asym_atr2_correction_rms vs Slug, Sign Corrected



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

Left Out: 7803.862 +/- 2.315 χ^2/NDF : 80567.9/7

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

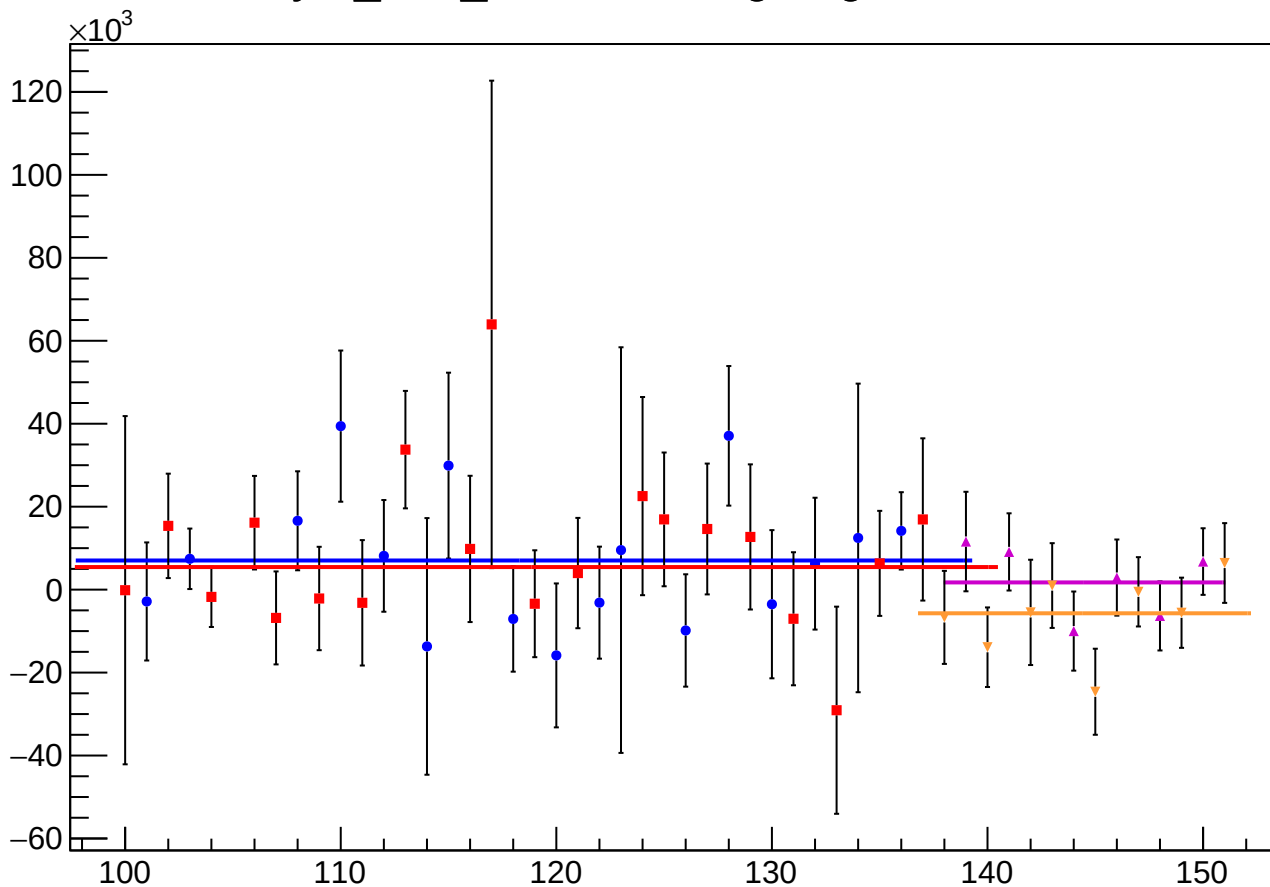
Left In: 7797.332 +/- 2.506 χ^2/NDF : 106854.7/5

7930.006 +/- 1.625 χ^2/NDF : 877145.1/24

7596.716 +/- 1.127 χ^2/NDF : 2924229.2/50

7288.021 +/- 1.564 χ^2/NDF : 1966070.3/25

asym_atr2_mean vs Slug, Sign Corrected



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

Left Out: -5703.832 $\pm$ 3470.921 χ^2/NDF : 6.5/7

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

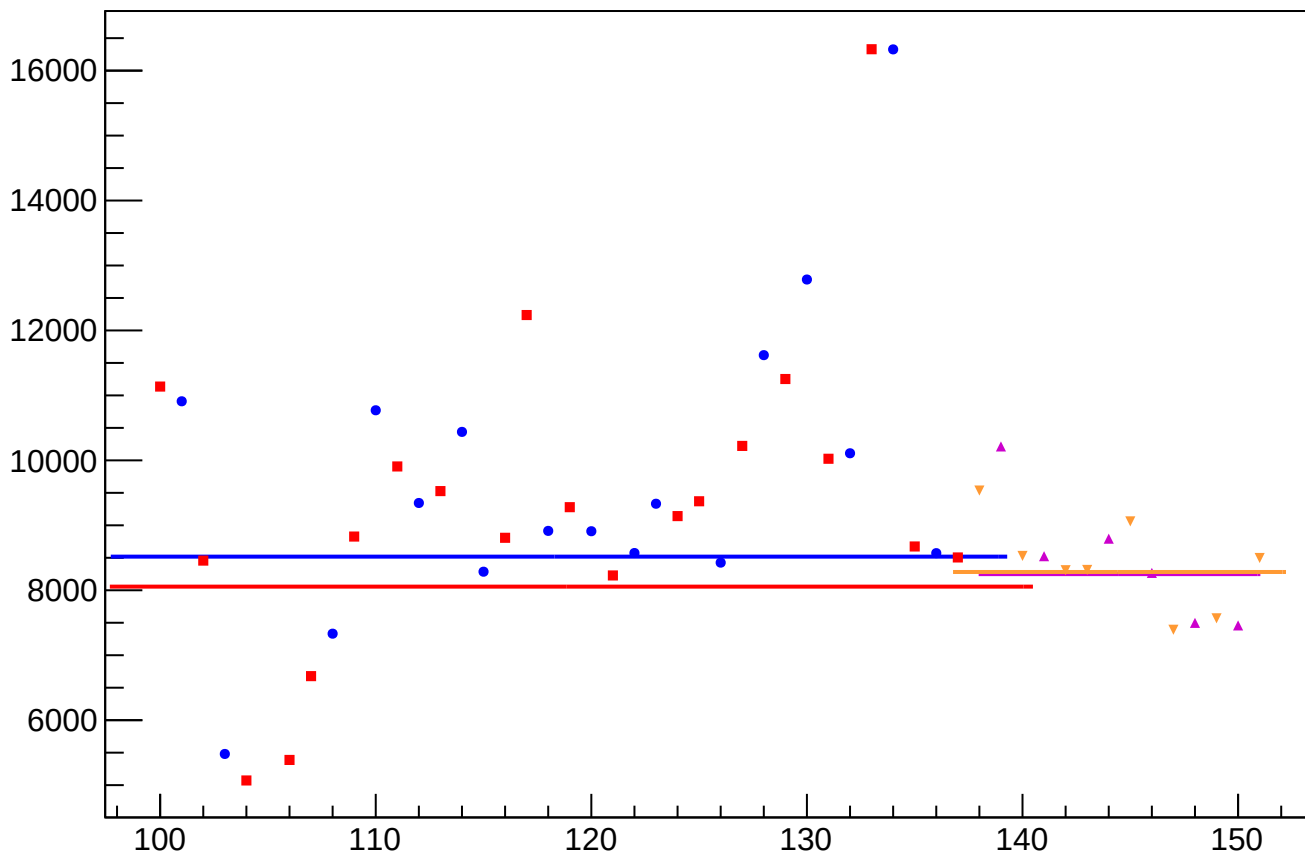
Left In: 1737.100 $\pm$ 3745.359 χ^2/NDF : 4.2/5

774.427 $\pm$ 2432.302 χ^2/NDF : 28.3/24

2346.822 $\pm$ 1714.395 χ^2/NDF : 48.2/50

3899.255 $\pm$ 2416.814 χ^2/NDF : 19.1/25

asym_atr2_rms vs Slug, Sign Corrected



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

Left Out: 8281.586+/-2.454 χ^2/NDF : 75508.3/7

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

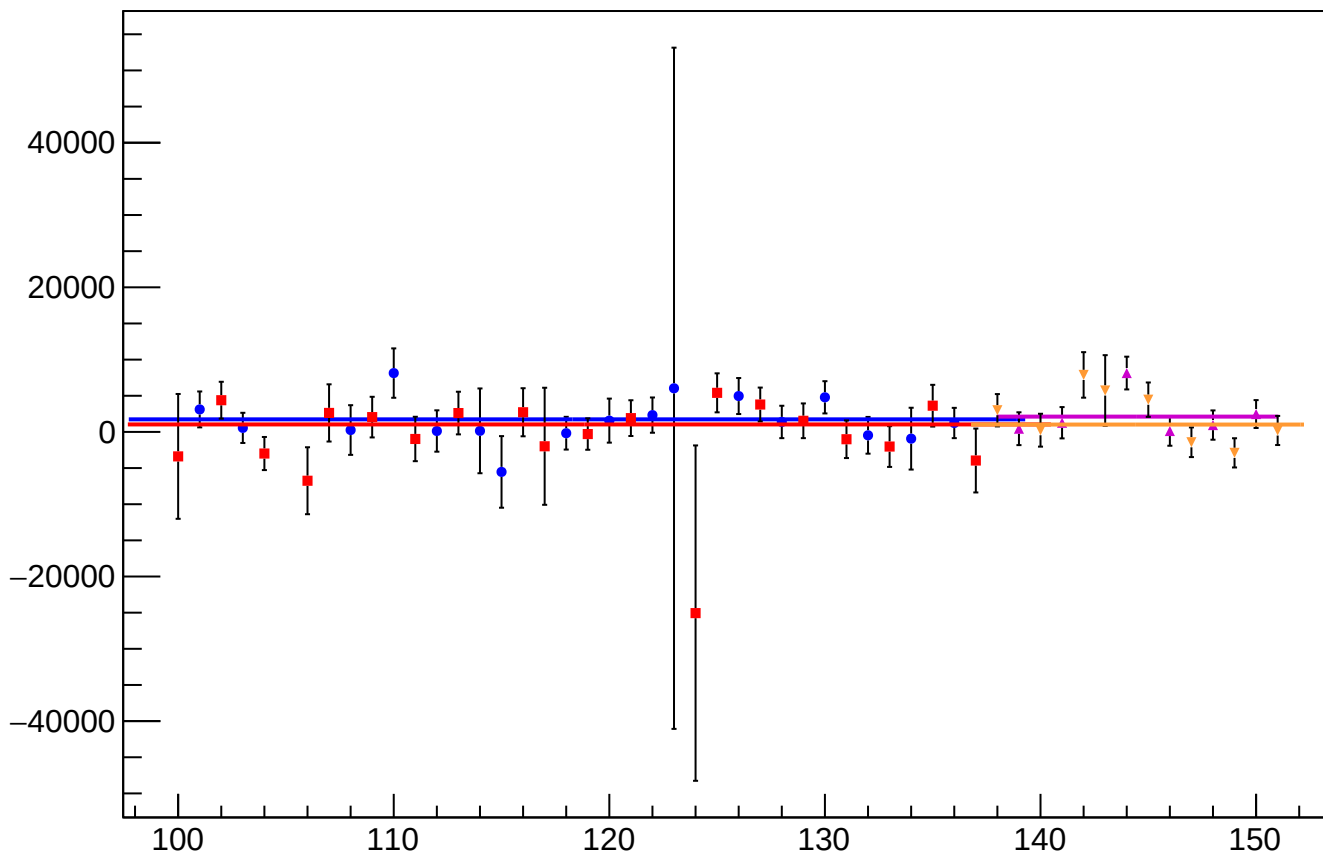
Left In: 8248.683+/-2.648 χ^2/NDF : 97604.2/5

8401.846+/-1.720 χ^2/NDF : 843507.4/24

8268.231+/-1.212 χ^2/NDF : 1918472.7/50

8136.317+/-1.709 χ^2/NDF : 1062971.3/25

reg_asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: 1018.386+/-832.855 χ^2/NDF : 14.0/7

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

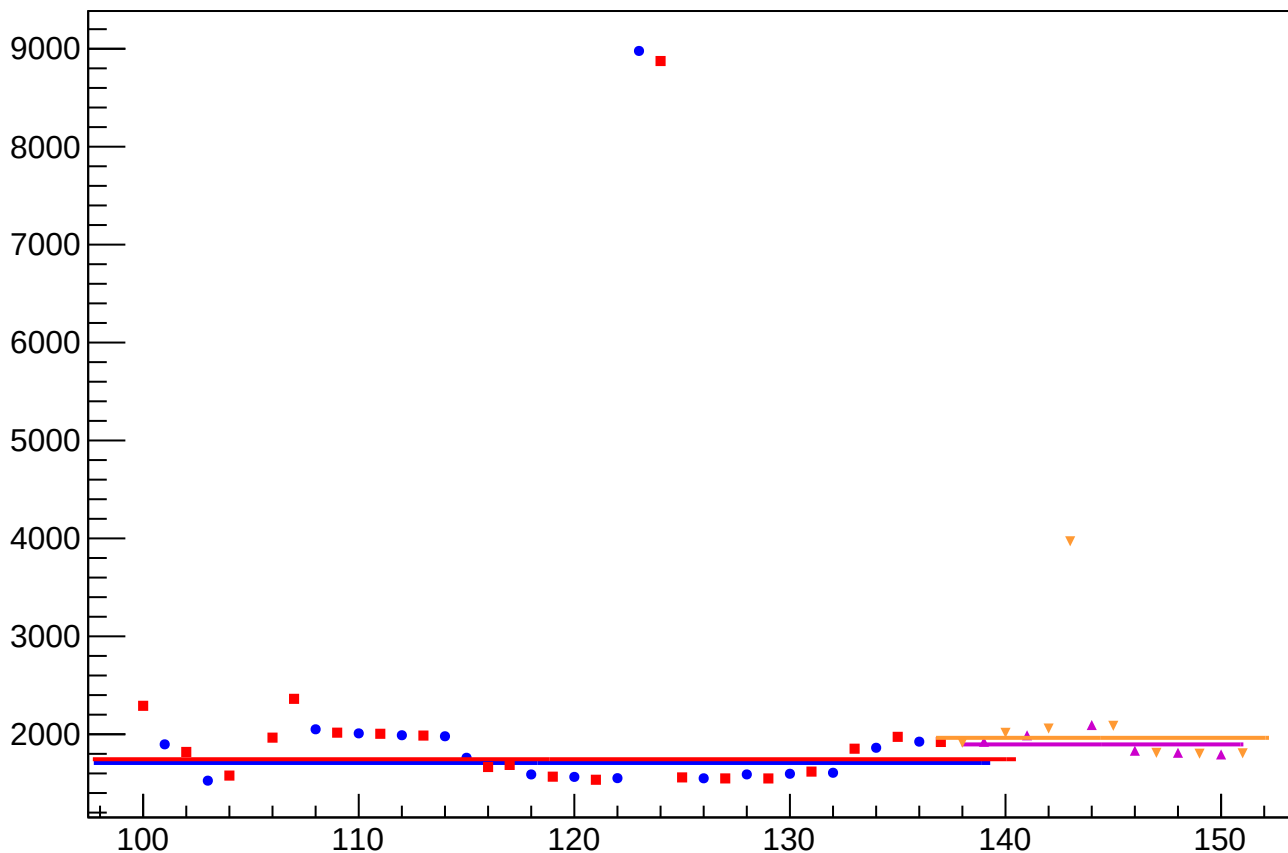
Left In: 2116.940+/-858.940 χ^2/NDF : 9.1/5

1456.061+/-522.231 χ^2/NDF : 26.9/24

1449.686+/-371.173 χ^2/NDF : 56.0/50

1443.178+/-527.647 χ^2/NDF : 29.1/25

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1706.867 $\pm$ 0.474 χ^2 /NDF: 197555.1/16

Left Out: 1963.543 $\pm$ 0.589 χ^2 /NDF: 382699.3/7

Right Out: 1745.037 $\pm$ 0.471 χ^2 /NDF: 399916.1/19

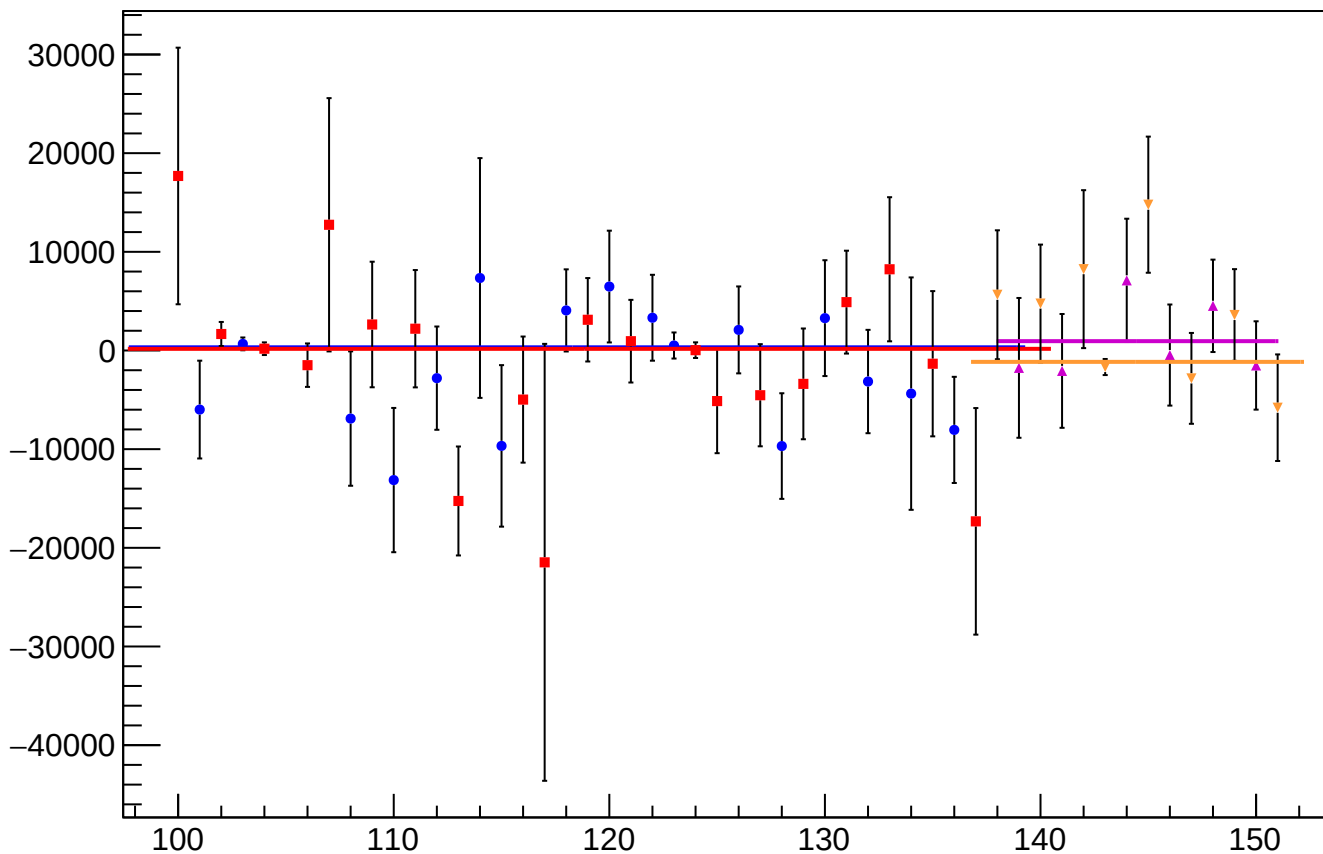
Left In: 1896.361 $\pm$ 0.607 χ^2 /NDF: 30435.5/5

1807.785 $\pm$ 0.369 χ^2 /NDF: 695526.6/24

1804.828 $\pm$ 0.262 χ^2 /NDF: 1164787.2/50

1801.827 $\pm$ 0.372 χ^2 /NDF: 469131.3/25

asym_atl_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1152.270 $\pm$ 761.957 χ^2 /NDF: 11.1/7

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

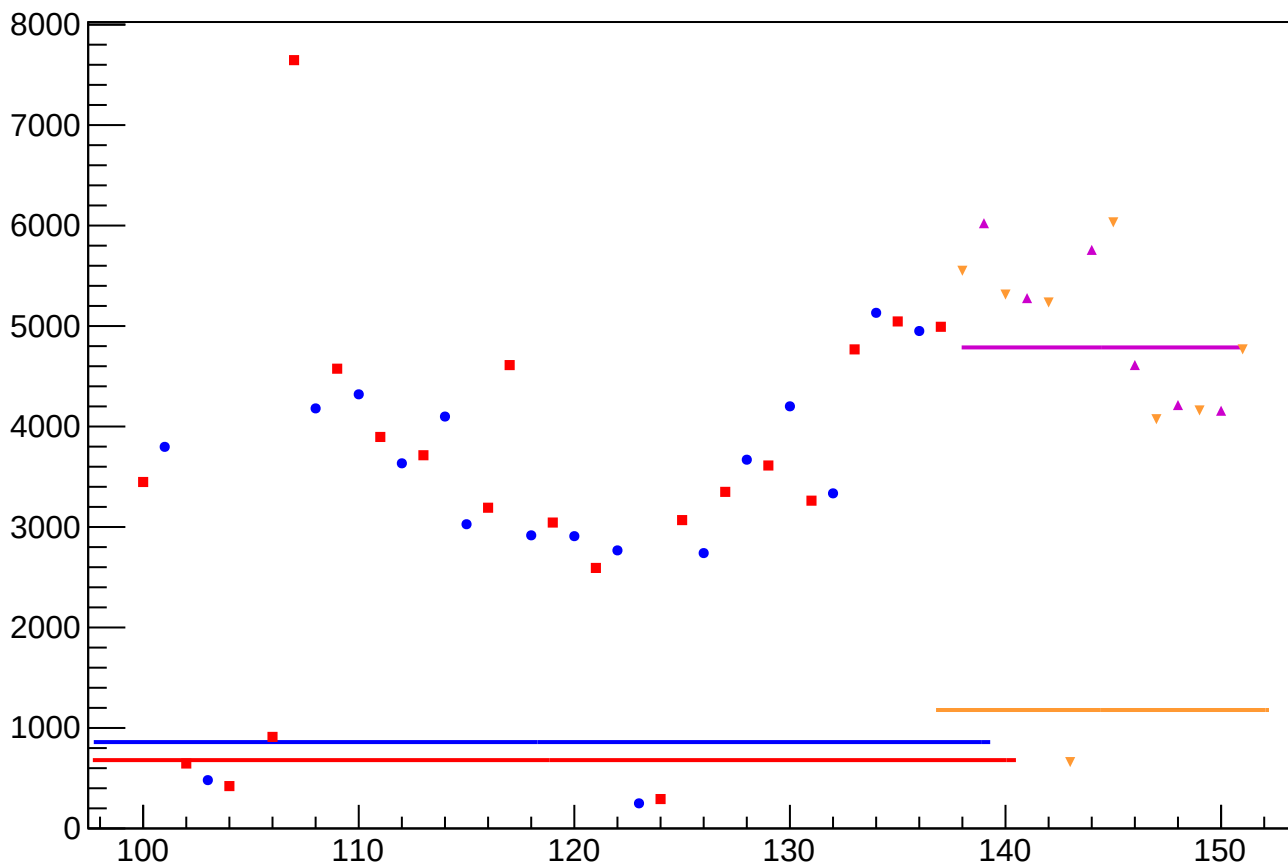
Left In: 946.026 $\pm$ 2186.290 χ^2 /NDF: 2.4/5

-172.100 $\pm$ 440.785 χ^2 /NDF: 31.6/24

19.487 $\pm$ 306.020 χ^2 /NDF: 56.2/50

197.757 $\pm$ 425.192 χ^2 /NDF: 24.2/25

asym_atl_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1178.763+/-0.539 χ^2/NDF : 6661852.5/7

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

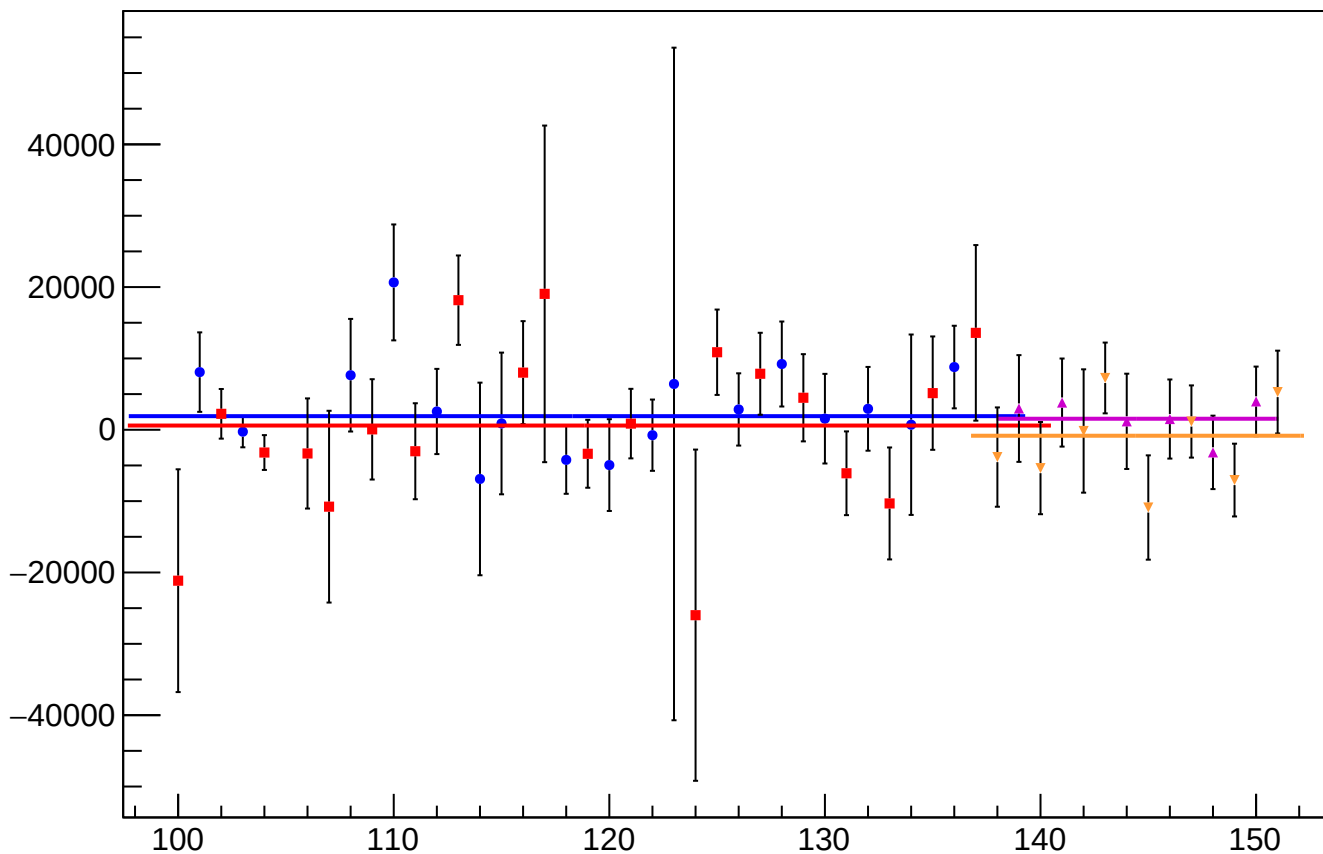
Left In: 4787.118+/-1.546 χ^2/NDF : 195600.2/5

966.380+/-0.312 χ^2/NDF : 15038657.4/24

898.558+/-0.216 χ^2/NDF : 30564345.6/50

835.449+/-0.301 χ^2/NDF : 15434278.7/25

asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: -834.688+/-2110.173 χ^2/NDF : 8.0/7

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

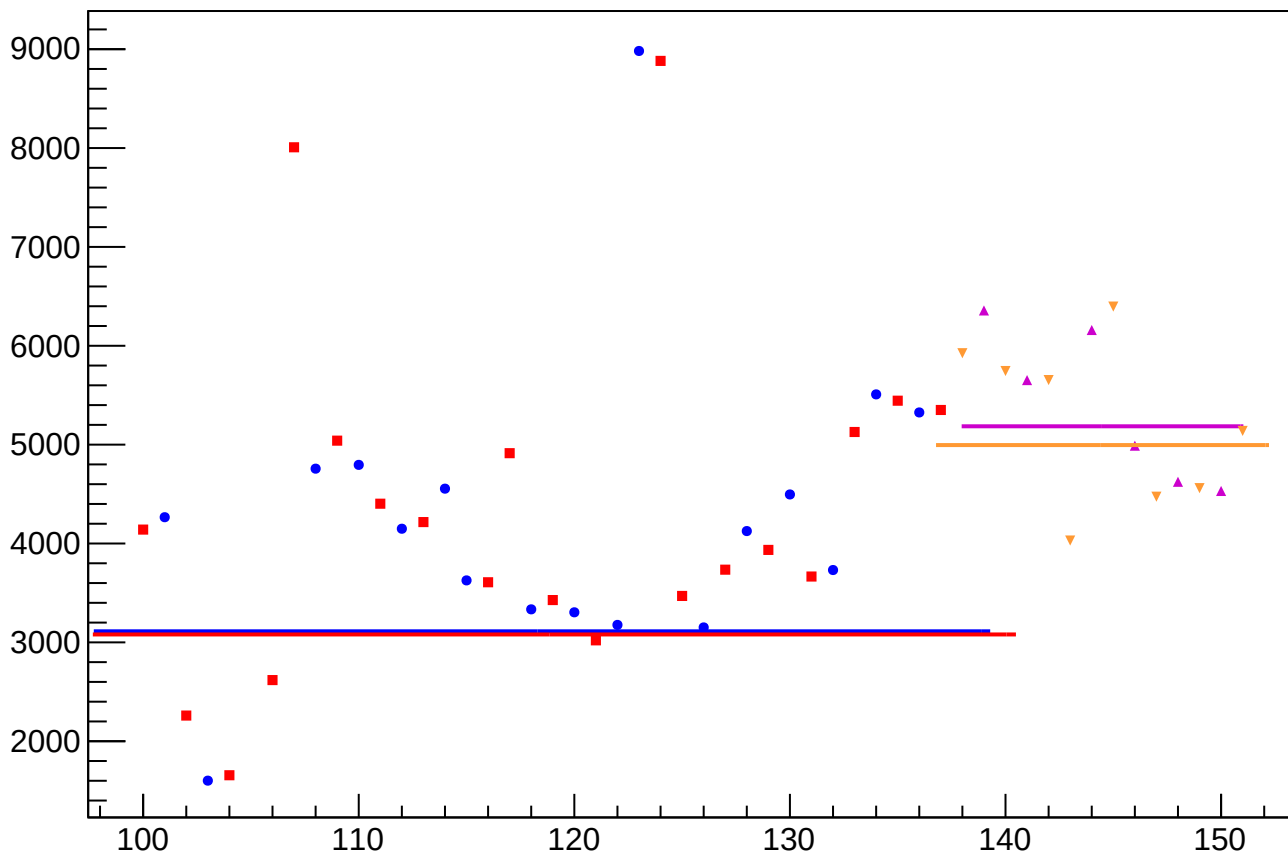
Left In: 1546.646+/-2364.334 χ^2/NDF : 1.3/5

1145.816+/-1113.107 χ^2/NDF : 23.8/24

980.794+/-792.398 χ^2/NDF : 52.3/50

811.240+/-1128.287 χ^2/NDF : 28.4/25

asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 4995.640 +/- 1.492 χ^2/NDF : 260427.6/7

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

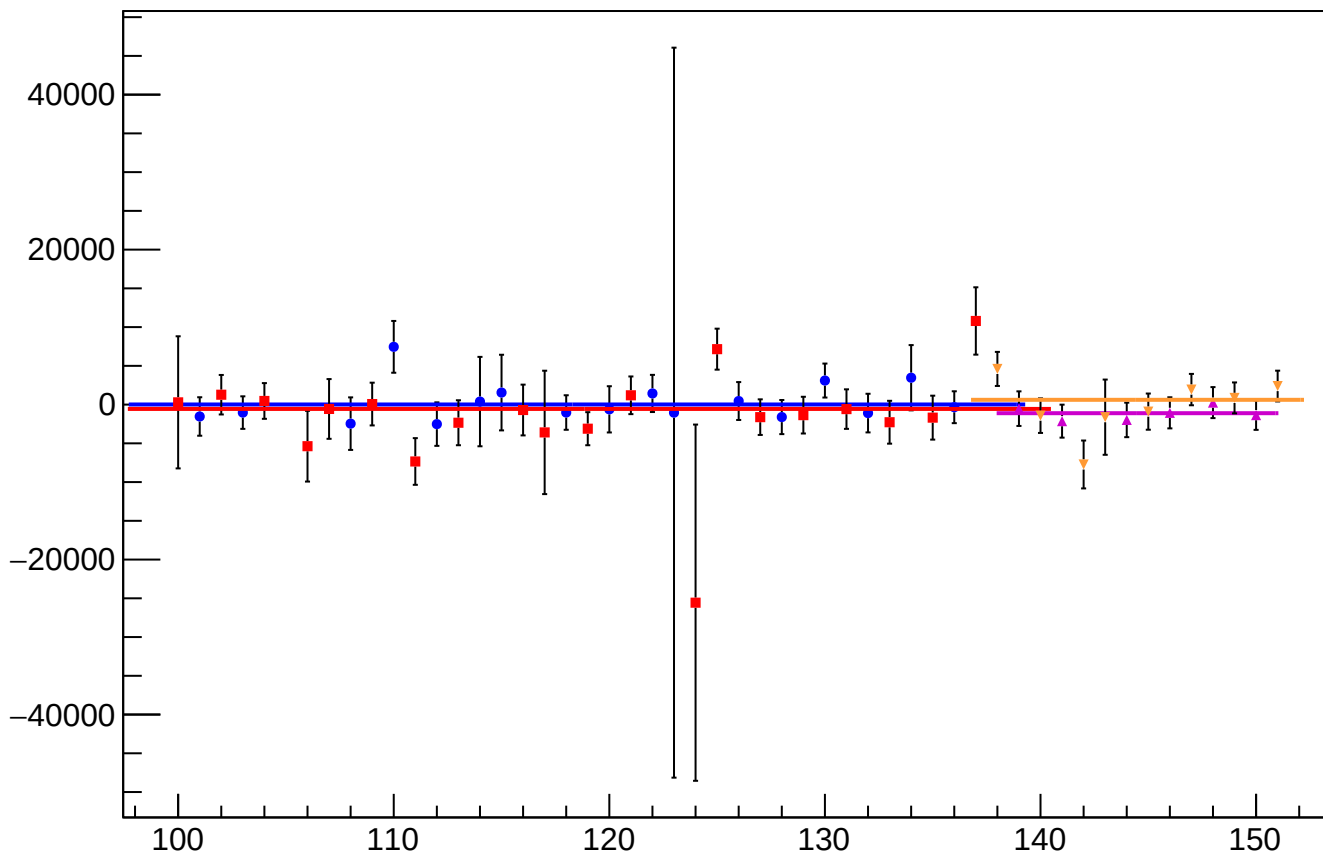
Left In: 5185.569 +/- 1.672 χ^2/NDF : 165361.6/5

3635.995 +/- 0.787 χ^2/NDF : 3290409.3/24

3592.535 +/- 0.557 χ^2/NDF : 6712554.2/50

3548.874 +/- 0.789 χ^2/NDF : 3416032.9/25

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 14.118 ± 661.101 $\chi^2/\text{NDF}: 11.1/16$

Left Out: 616.642 ± 820.151 $\chi^2/\text{NDF}: 13.3/7$

Right Out: -558.377 ± 658.875 $\chi^2/\text{NDF}: 26.8/19$

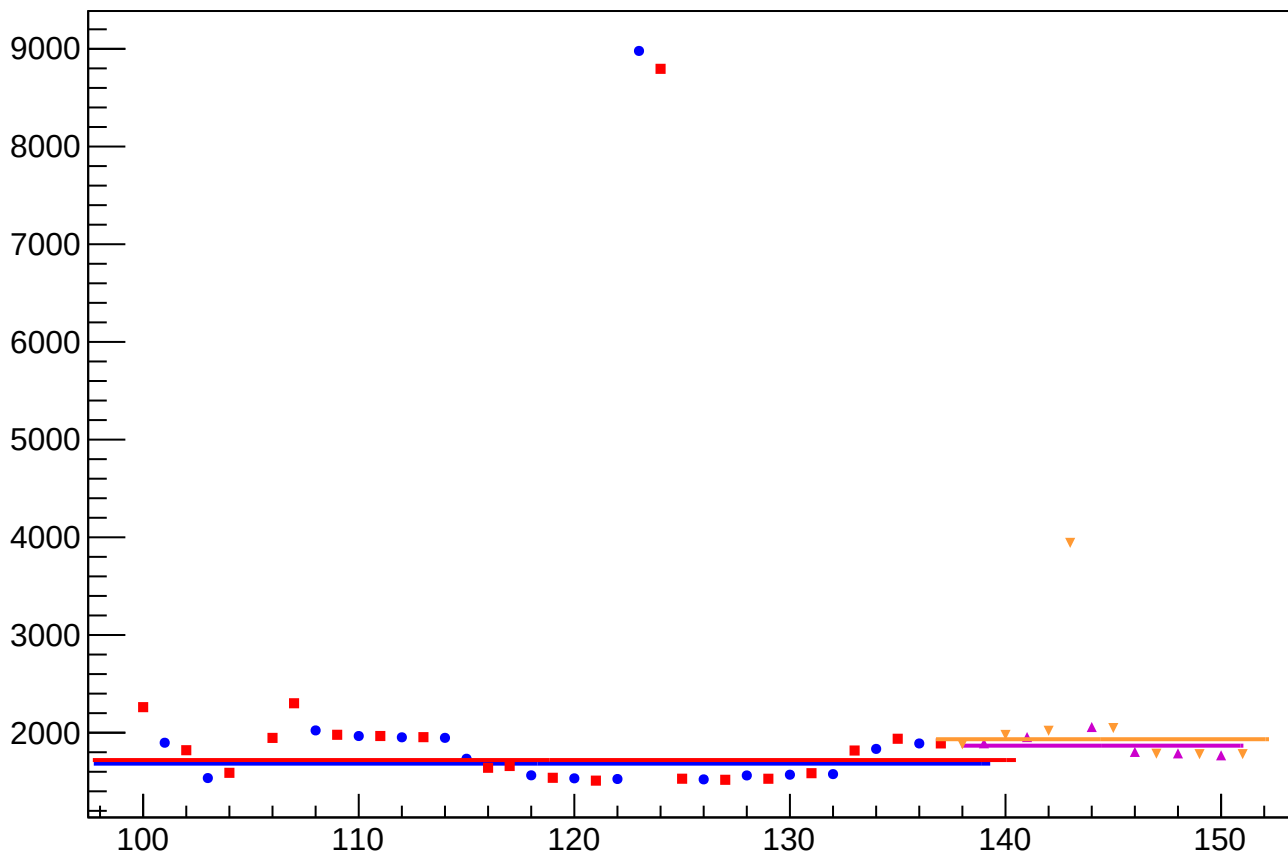
Left In: -1109.423 ± 845.693 $\chi^2/\text{NDF}: 0.9/5$

251.421 ± 514.705 $\chi^2/\text{NDF}: 24.7/24$

-252.581 ± 365.723 $\chi^2/\text{NDF}: 54.7/50$

-766.517 ± 519.753 $\chi^2/\text{NDF}: 28.0/25$

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1683.259 $\pm$ 0.467 $\chi^2/\text{NDF}: 195893.7/16$

Left Out: 1933.246 $\pm$ 0.580 $\chi^2/\text{NDF}: 385416.6/7$

Right Out: 1719.963 $\pm$ 0.464 $\chi^2/\text{NDF}: 396217.5/19$

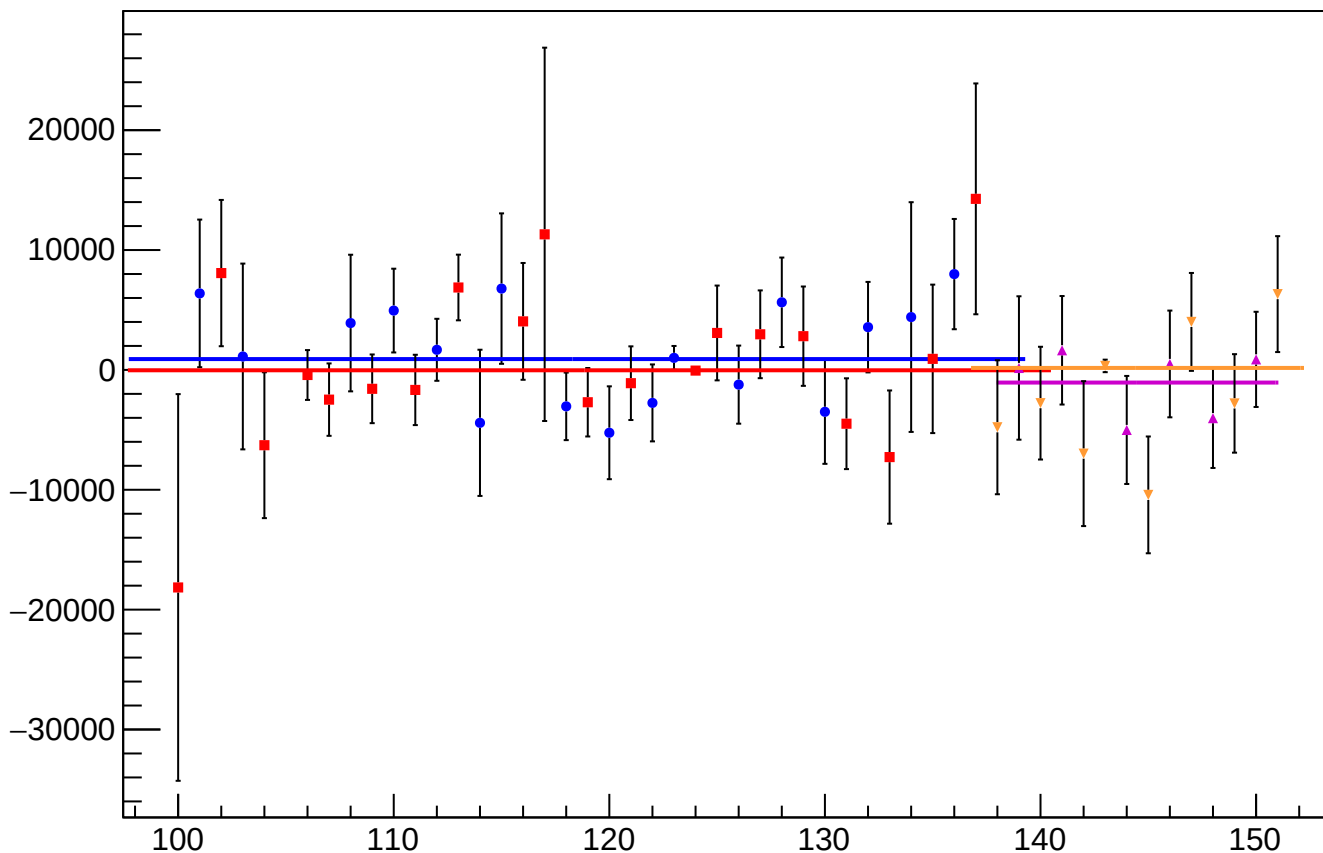
Left In: 1867.277 $\pm$ 0.598 $\chi^2/\text{NDF}: 28920.4/5$

1781.716 $\pm$ 0.364 $\chi^2/\text{NDF}: 693942.0/24$

1778.535 $\pm$ 0.258 $\chi^2/\text{NDF}: 1157120.6/50$

1775.309 $\pm$ 0.367 $\chi^2/\text{NDF}: 463024.7/25$

asym_atl_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 164.867+/-501.762 χ^2/NDF : 10.4/7

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

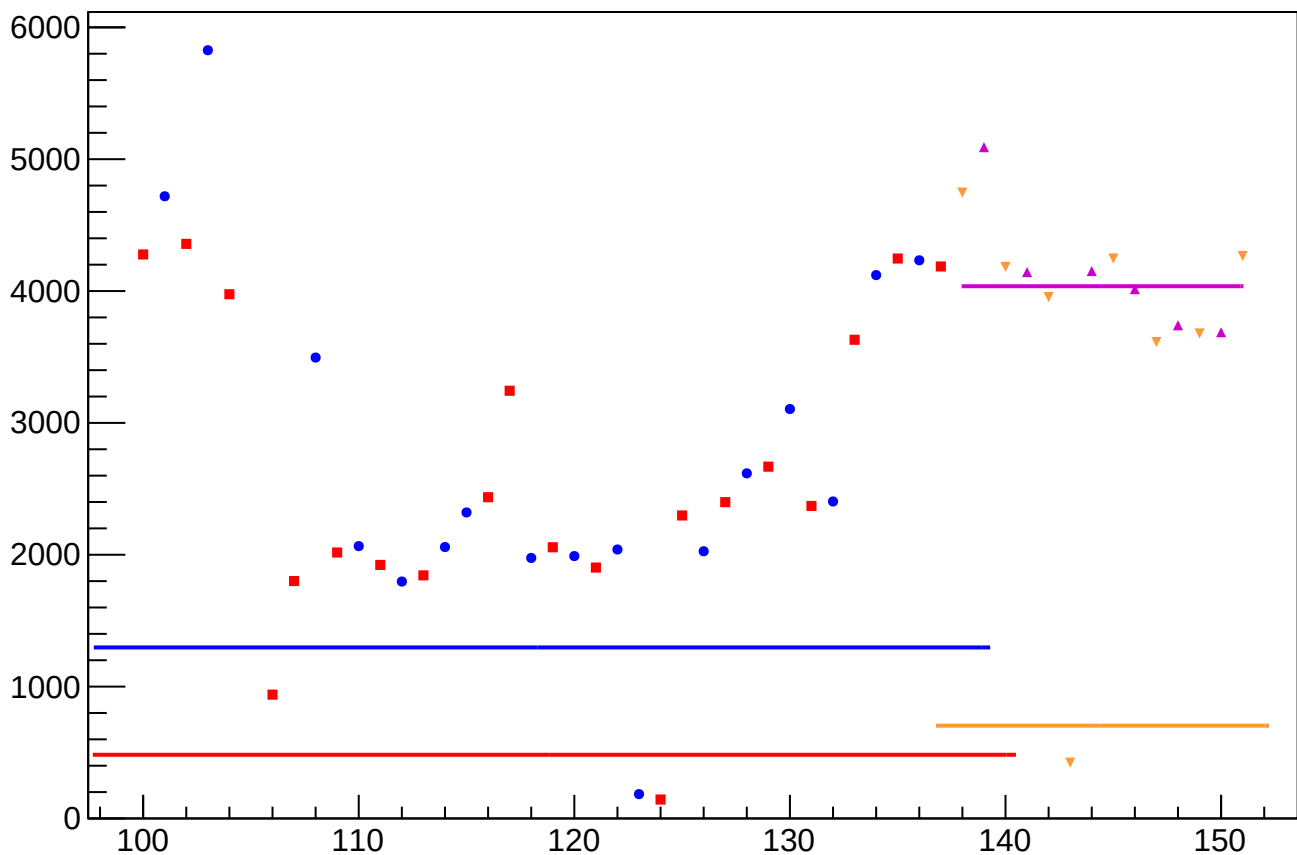
Left In: -1056.529+/-1832.643 χ^2/NDF : 2.0/5

412.901+/-408.906 χ^2/NDF : 27.2/24

134.728+/-266.113 χ^2/NDF : 51.3/50

-69.644+/-350.491 χ^2/NDF : 23.4/25

asym_atl_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 703.691+/-0.355 χ^2/NDF : 7503397.9/7

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

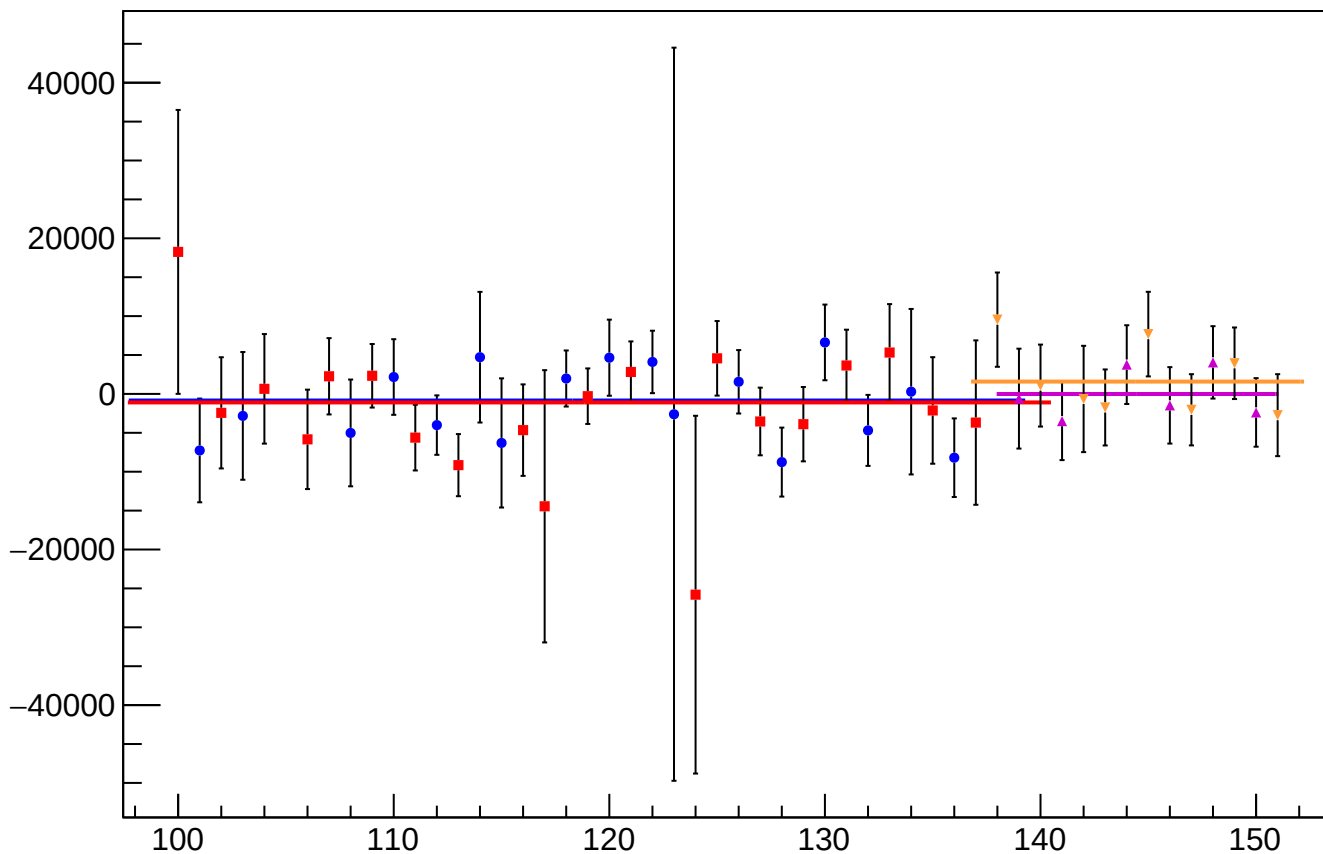
Left In: 4036.644+/-1.296 χ^2/NDF : 90270.4/5

902.968+/-0.289 χ^2/NDF : 14952247.6/24

735.815+/-0.188 χ^2/NDF : 33074227.0/50

613.007+/-0.248 χ^2/NDF : 17542231.0/25

asym_atl_dd_mean vs Slug, Sign Corrected



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

Left Out: 1584.953+/-1852.076 χ^2/NDF : 5.1/7

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

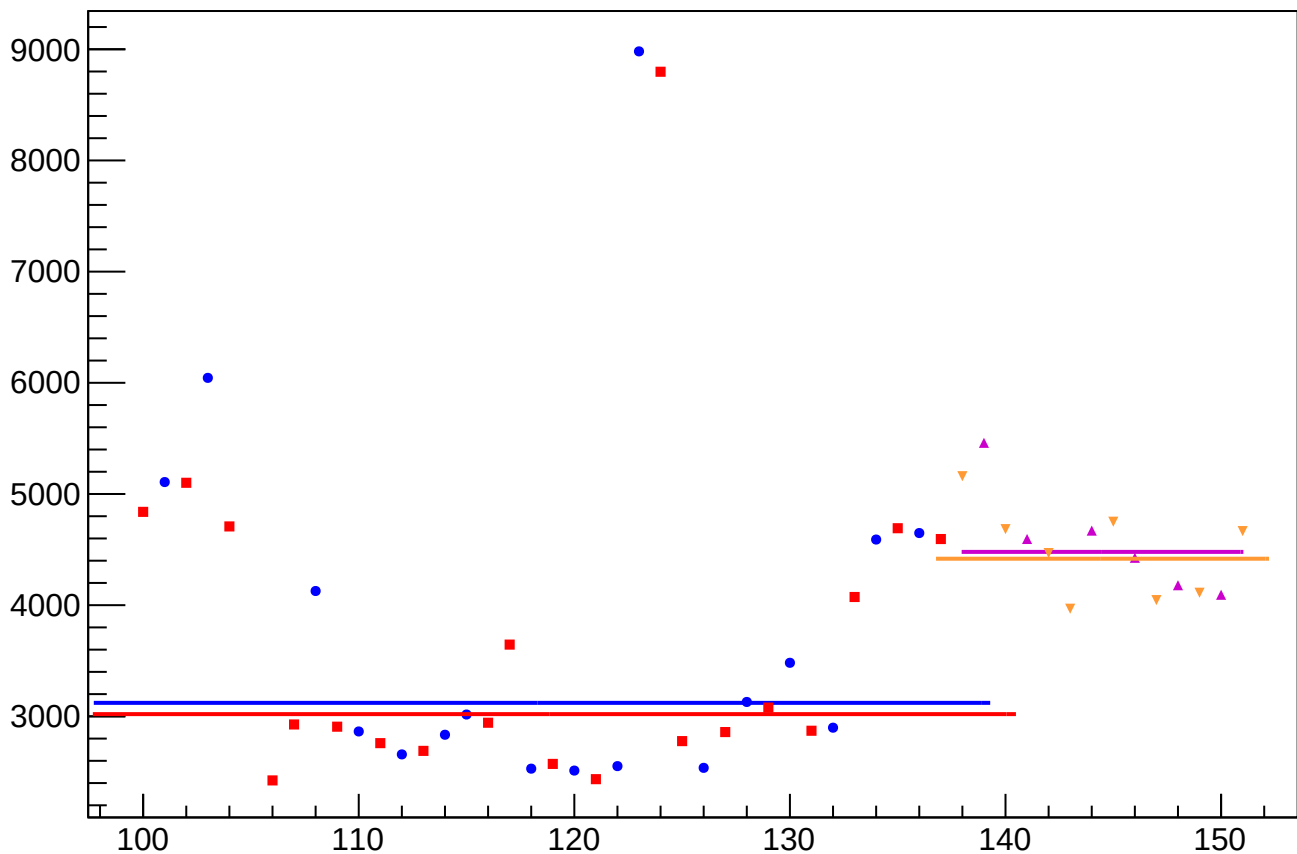
Left In: -13.171+/-2031.839 χ^2/NDF : 2.2/5

-78.308+/-1042.353 χ^2/NDF : 21.7/24

-454.889+/-731.038 χ^2/NDF : 40.0/50

-819.420+/-1025.540 χ^2/NDF : 18.0/25

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3121.417 $\pm$ 0.892 χ^2/NDF : 945708.1/16

Left Out: 4417.854 $\pm$ 1.310 χ^2/NDF : 86179.0/7

Right Out: 3020.039 $\pm$ 0.830 χ^2/NDF : 794563.8/19

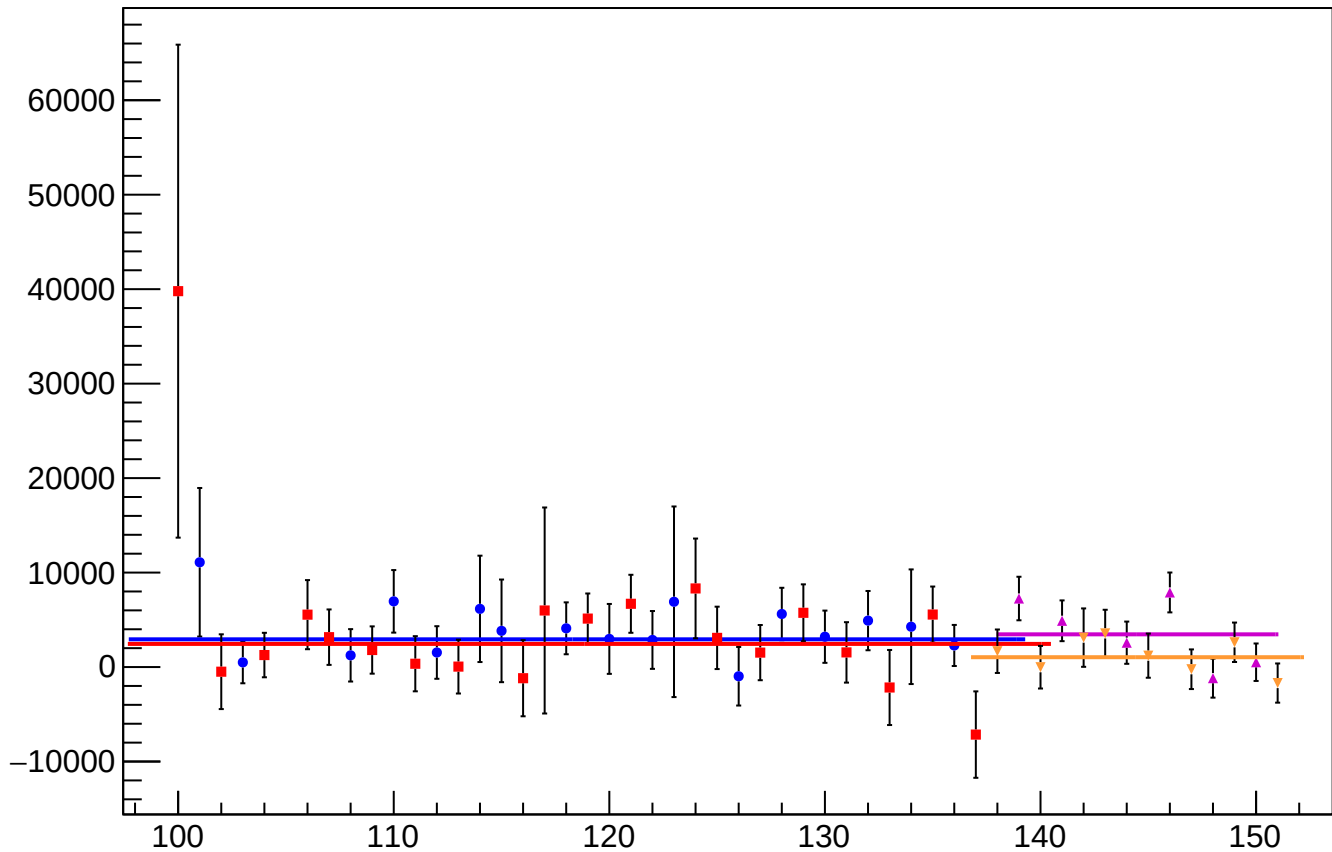
Left In: 4479.201 $\pm$ 1.437 χ^2/NDF : 74505.7/5

3532.056 $\pm$ 0.737 χ^2/NDF : 1701461.2/24

3456.600 $\pm$ 0.514 χ^2/NDF : 3364520.4/50

3384.907 $\pm$ 0.718 χ^2/NDF : 1642620.4/25

reg_asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: 1041.855+/-810.462 χ^2/NDF : 4.5/7

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

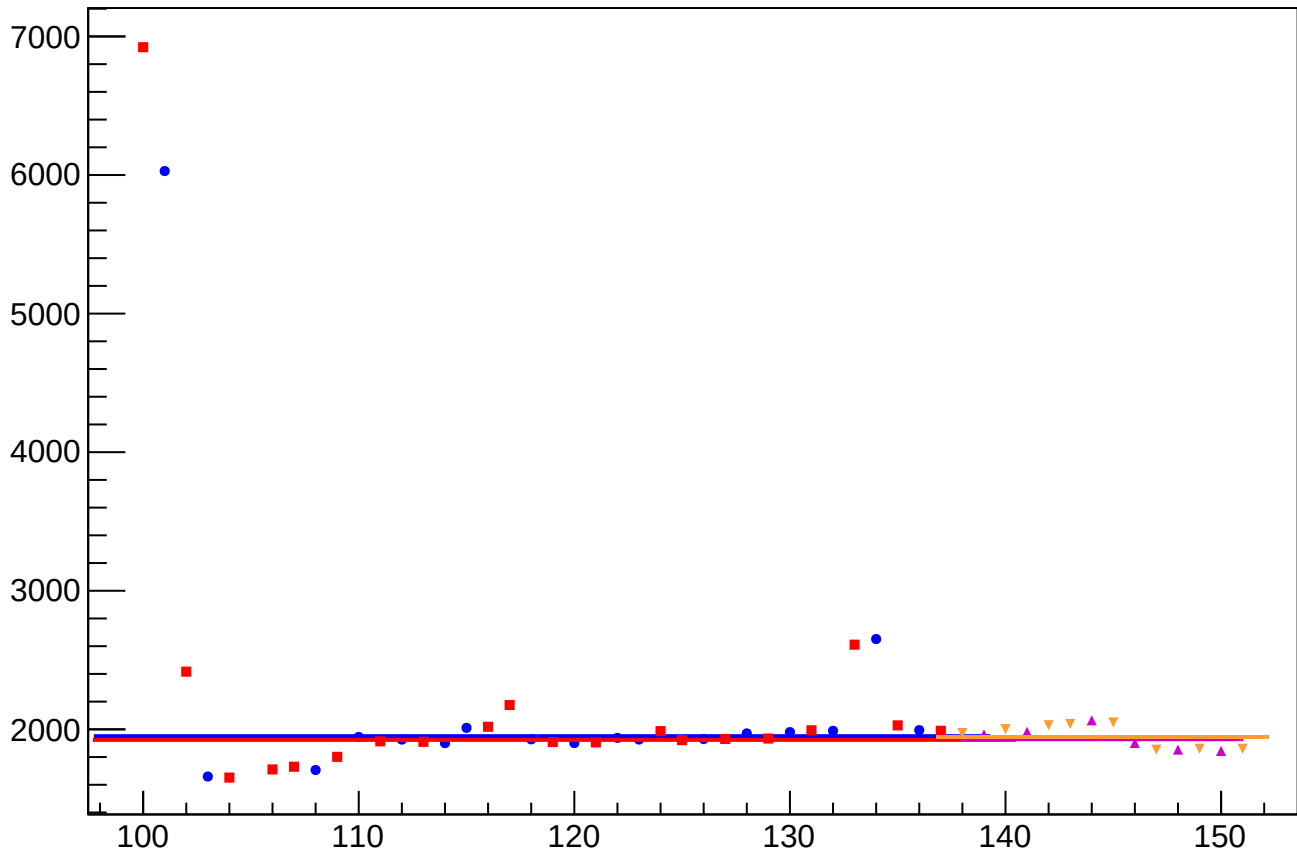
Left In: 3463.370+/-871.206 χ^2/NDF : 15.0/5

2030.738+/-560.263 χ^2/NDF : 15.5/24

2449.646+/-397.282 χ^2/NDF : 50.6/50

2873.309+/-563.433 χ^2/NDF : 34.1/25

reg_asym_atr_avg_rms vs Slug, Sign Corrected



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

Left Out: 1944.583+/-0.573 χ^2/NDF : 20378.6/7

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

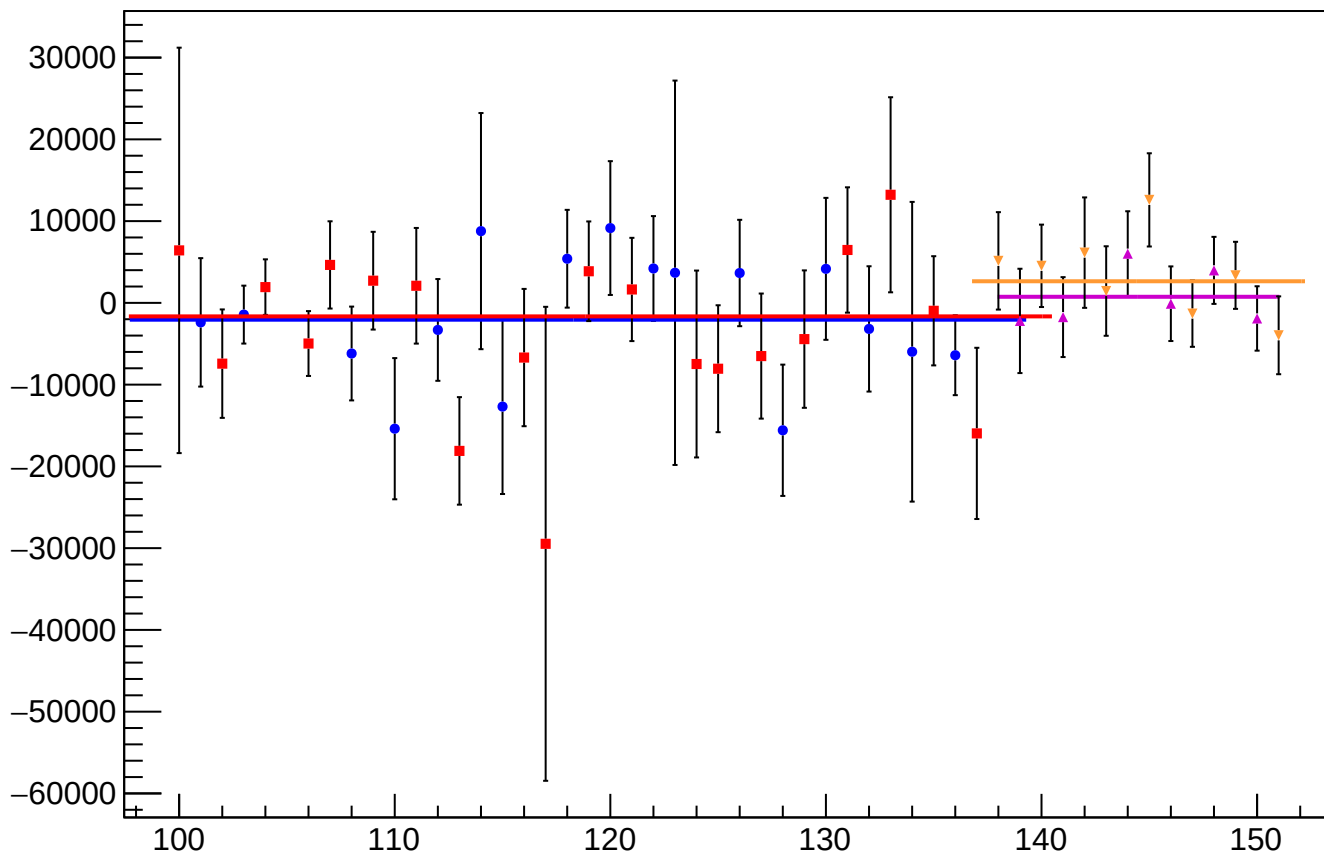
Left In: 1928.726+/-0.616 χ^2/NDF : 15721.0/5

1947.732+/-0.396 χ^2/NDF : 637768.6/24

1936.872+/-0.281 χ^2/NDF : 873505.5/50

1925.917+/-0.398 χ^2/NDF : 234227.3/25

asym_atr_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 2643.168 $\pm$ 1774.155 χ^2 /NDF: 6.6/7

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

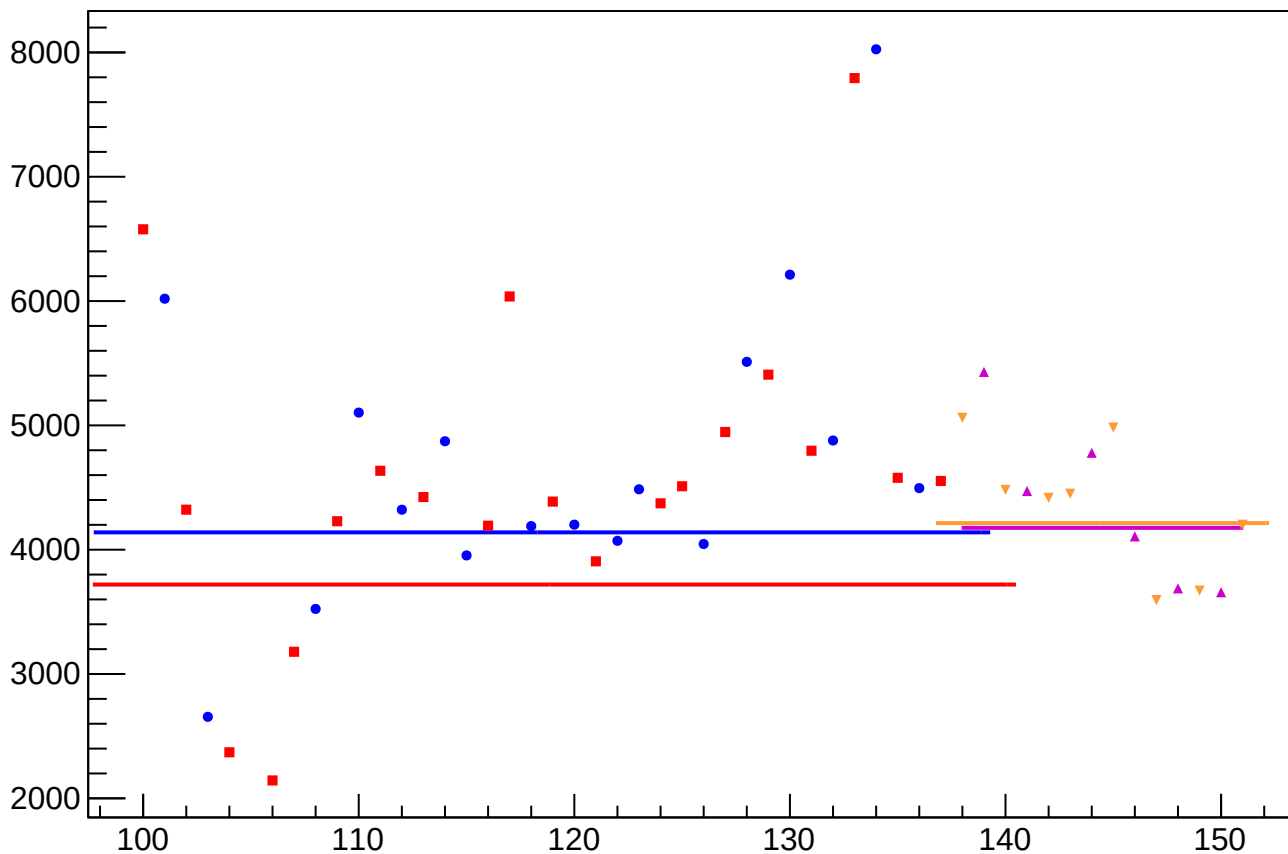
Left In: 745.039 $\pm$ 1904.894 χ^2 /NDF: 2.6/5

138.604 $\pm$ 1212.566 χ^2 /NDF: 24.3/24

-324.849 $\pm$ 840.649 χ^2 /NDF: 47.7/50

-753.749 $\pm$ 1166.487 χ^2 /NDF: 23.1/25

asym_atr_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 4213.897+/-1.255 χ^2/NDF : 169427.1/7

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

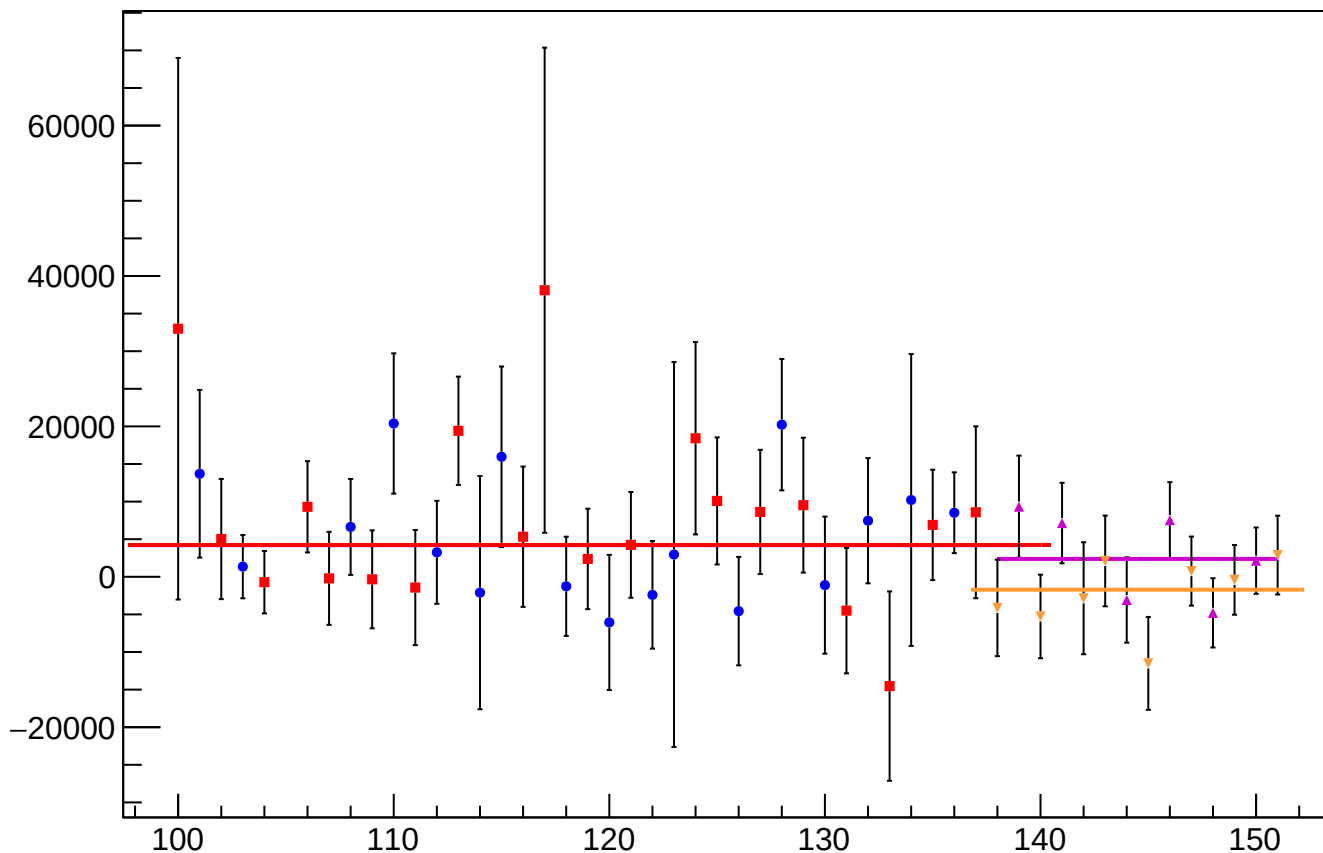
Left In: 4175.828+/-1.347 χ^2/NDF : 175004.9/5

4174.196+/-0.857 χ^2/NDF : 984857.3/24

4026.931+/-0.594 χ^2/NDF : 2577026.7/50

3890.647+/-0.825 χ^2/NDF : 1535369.9/25

asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: -1714.808+/-1965.079 χ^2/NDF : 4.6/7

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

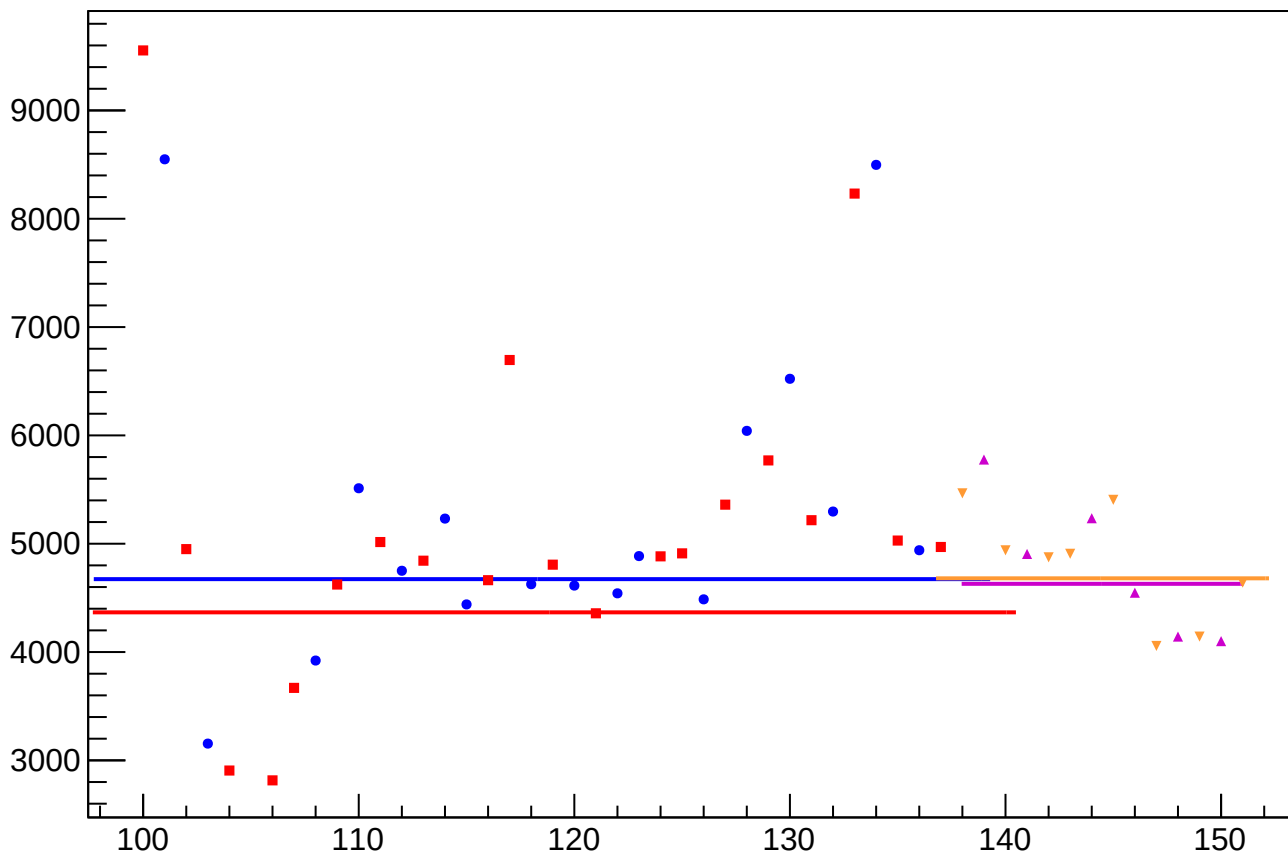
Left In: 2377.147+/-2106.573 χ^2/NDF : 6.2/5

1393.300+/-1355.151 χ^2/NDF : 23.8/24

2457.267+/-950.542 χ^2/NDF : 47.6/50

3487.733+/-1333.646 χ^2/NDF : 22.6/25

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4673.046 $\pm$ 1.323 χ^2 /NDF: 777321.1/16

Left Out: 4680.504 $\pm$ 1.390 χ^2 /NDF:130018.0/7

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

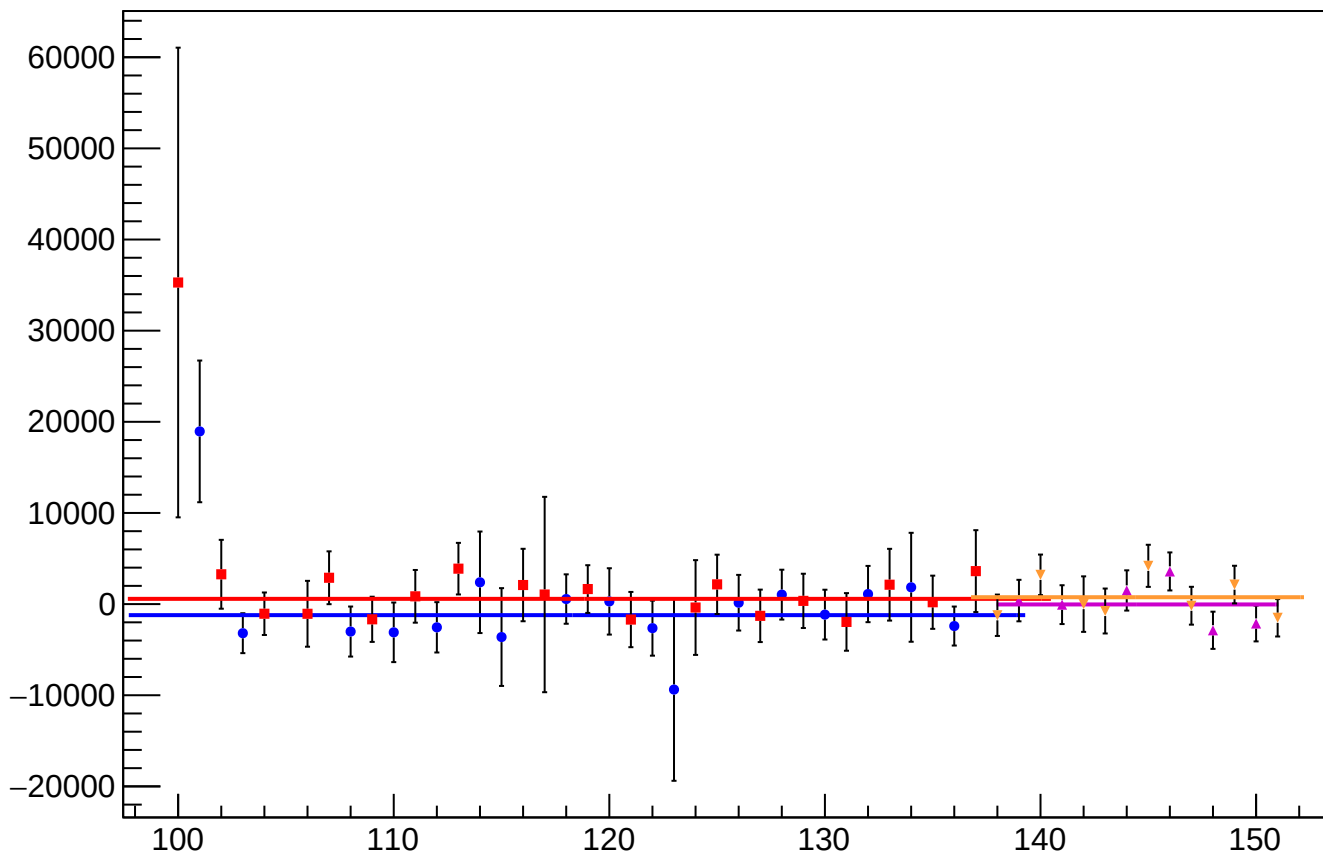
Left In: 4629.773 $\pm$ 1.490 χ^2 /NDF:136902.2/5

4676.592 $\pm$ 0.958 χ^2 /NDF: 907354.2/24

4571.920 $\pm$ 0.671 χ^2 /NDF: 1929135.2/50

4471.244 $\pm$ 0.940 χ^2 /NDF: 998372.1/25

reg_asym_atr_dd_mean vs Slug, Sign Corrected



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

Left Out: 754.886 ± 800.736 χ^2/NDF : 6.5/7

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

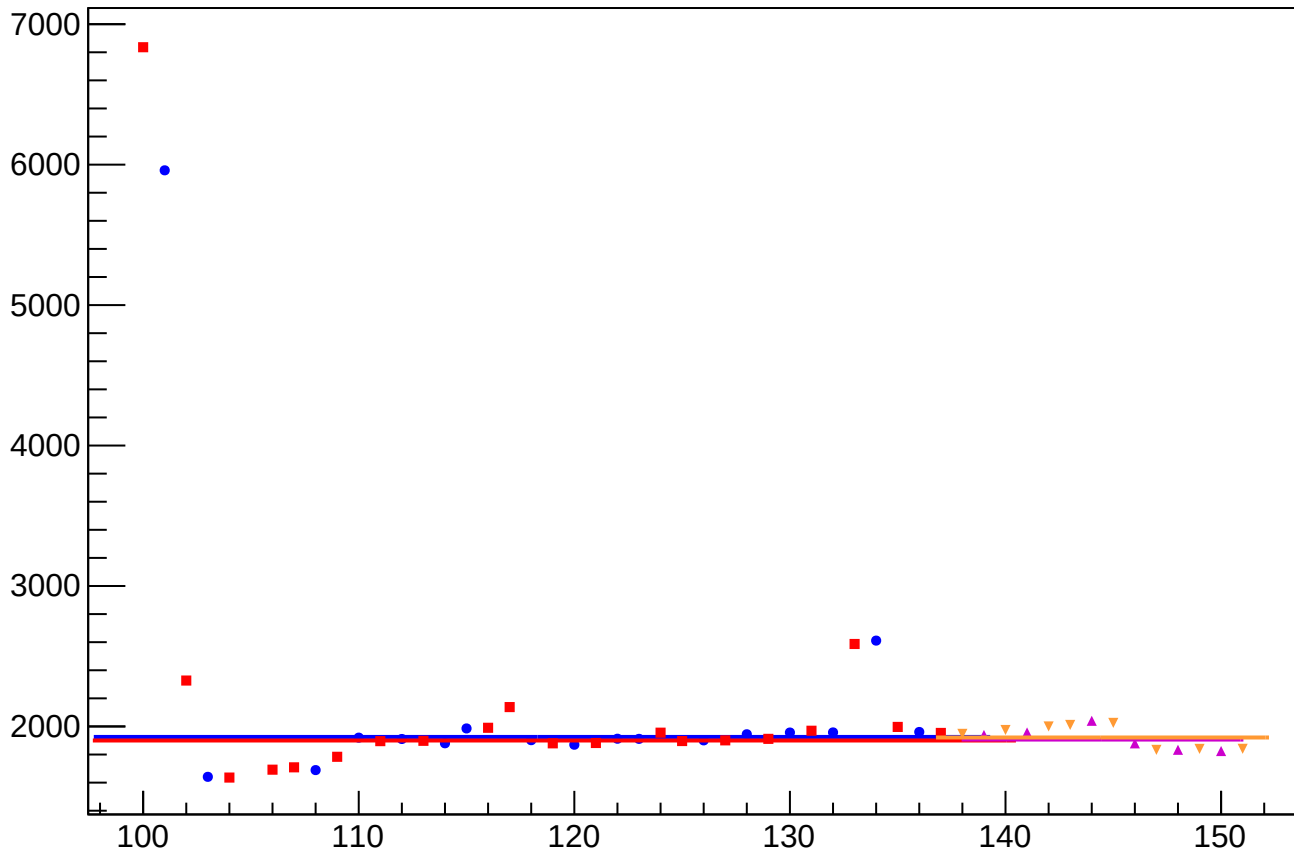
Left In: -37.715 ± 861.202 χ^2/NDF : 6.6/5

-272.618 ± 553.250 χ^2/NDF : 22.3/24

21.821 ± 392.318 χ^2/NDF : 38.5/50

319.627 ± 556.405 χ^2/NDF : 15.6/25

reg_asym_atr_dd_rms vs Slug, Sign Corrected



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

Left Out: 1921.304+/-0.566 χ^2 /NDF:19208.2/7

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

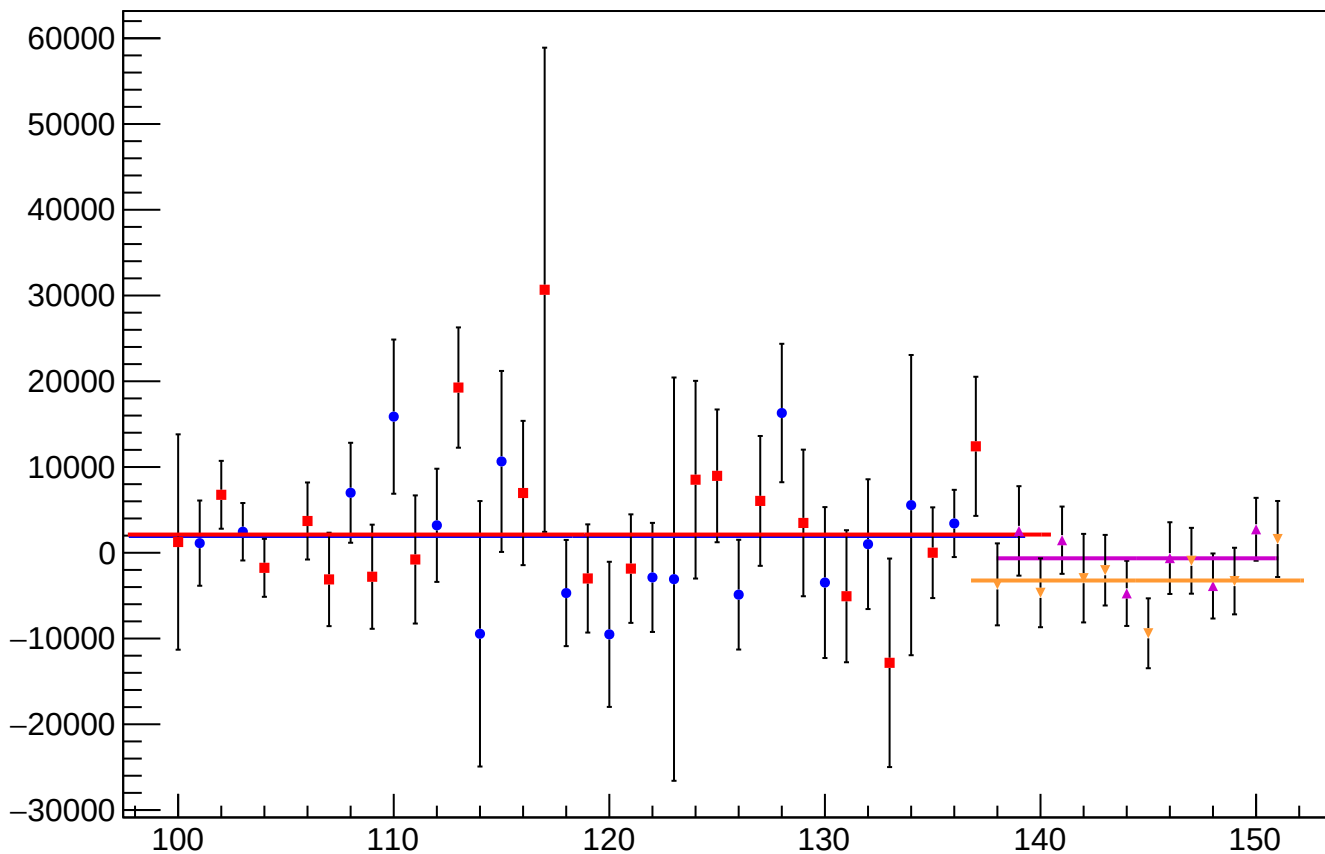
Left In: 1906.654+/-0.609 χ^2 /NDF:15225.1/5

1923.403+/-0.391 χ^2 /NDF: 635098.1/24

1913.119+/-0.277 χ^2 /NDF: 863647.3/50

1902.744+/-0.393 χ^2 /NDF: 227160.9/25

asym_atr_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -3233.621 $\pm$ 1494.729 χ^2/NDF : 4.1/7

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

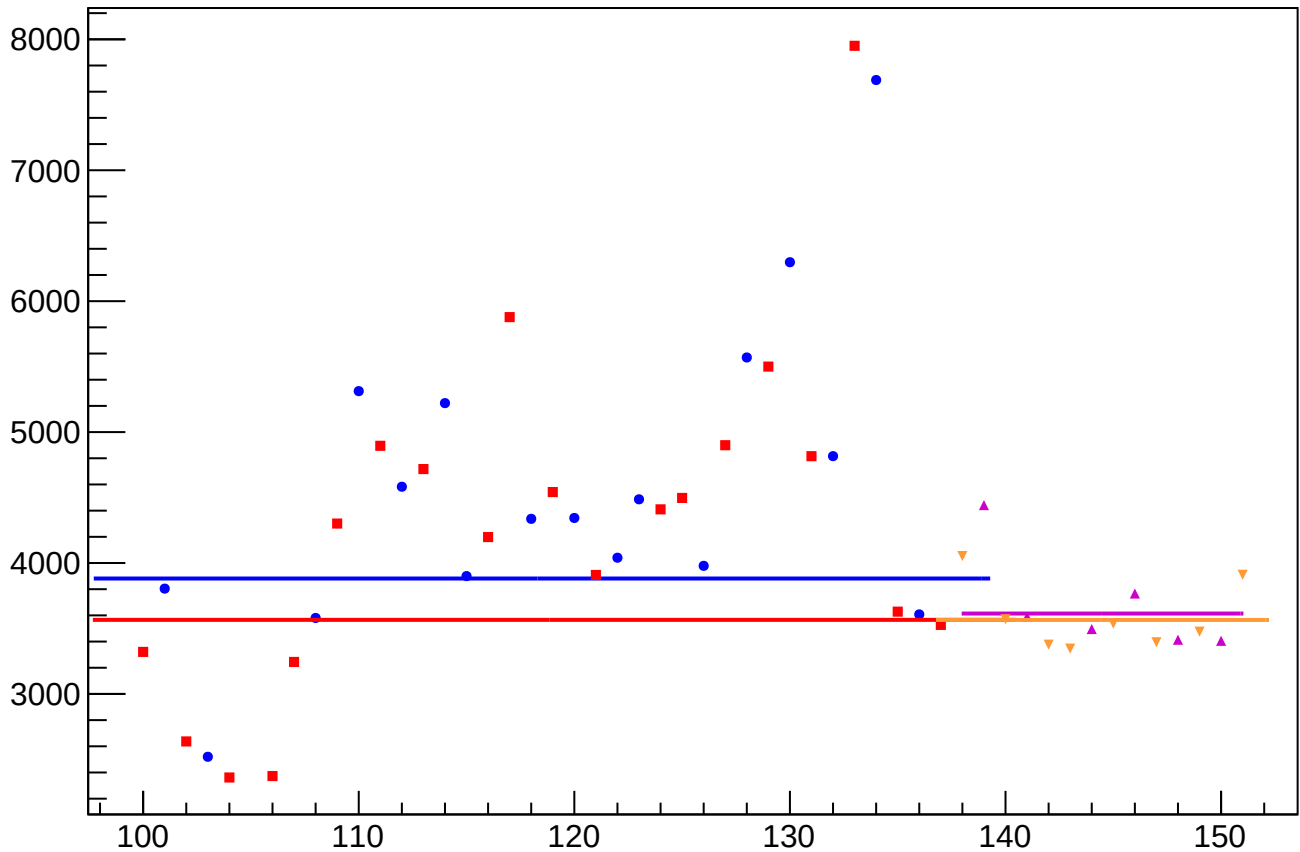
Left In: -645.004 $\pm$ 1639.475 χ^2/NDF : 3.4/5

-742.928 $\pm$ 1078.222 χ^2/NDF : 22.8/24

107.691 $\pm$ 759.437 χ^2/NDF : 47.5/50

945.136 $\pm$ 1069.840 χ^2/NDF : 23.5/25

asym_atr_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 3565.256+/-1.057 χ^2/NDF : 46376.4/7

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

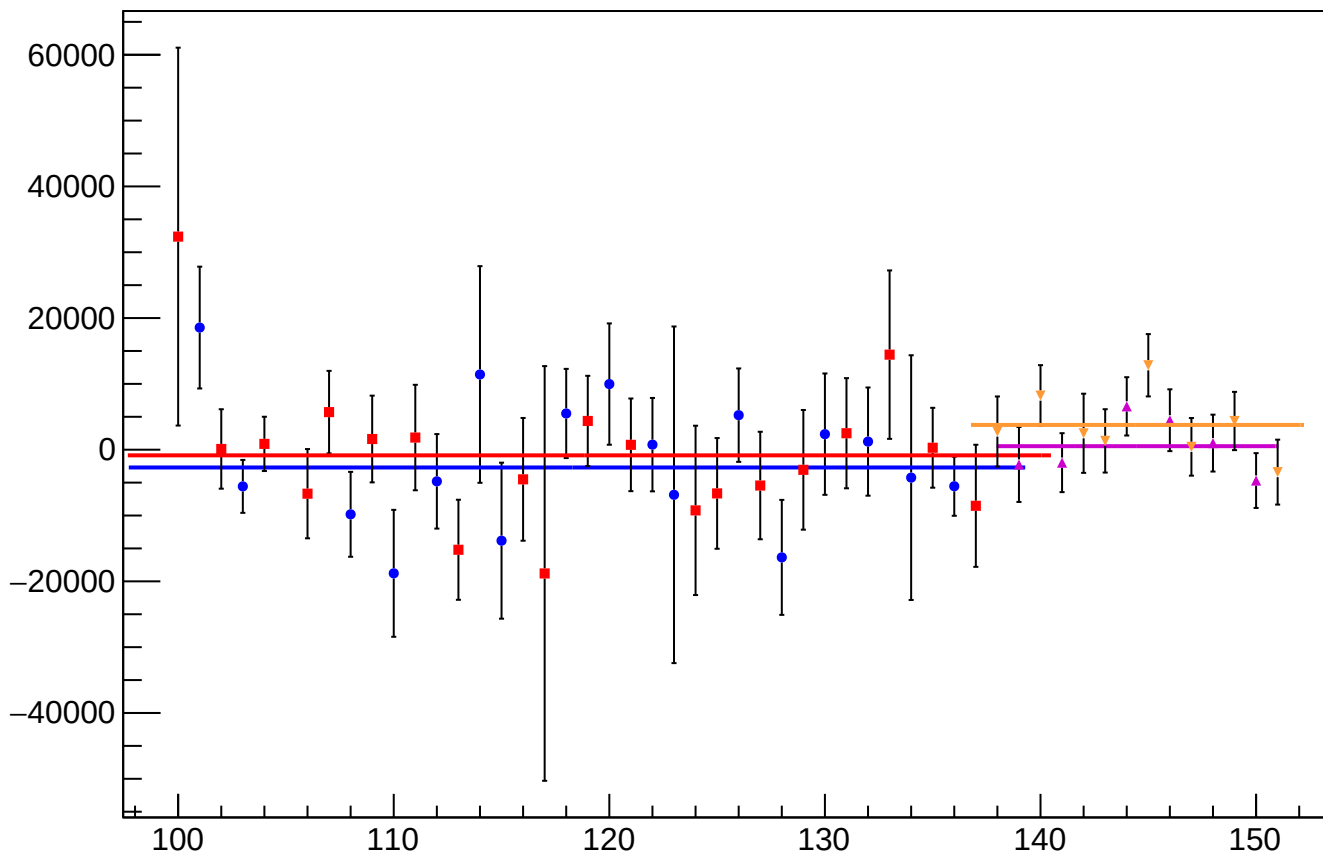
Left In: 3614.035+/-1.159 χ^2/NDF : 67132.6/5

3716.981+/-0.762 χ^2/NDF : 906805.7/24

3651.165+/-0.537 χ^2/NDF : 2244692.4/50

3586.369+/-0.756 χ^2/NDF : 1323098.2/25

asym_atr_dd_mean vs Slug, Sign Corrected



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

Left Out: 3763.249 ± 1710.527 χ^2/NDF : 7.6/7

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

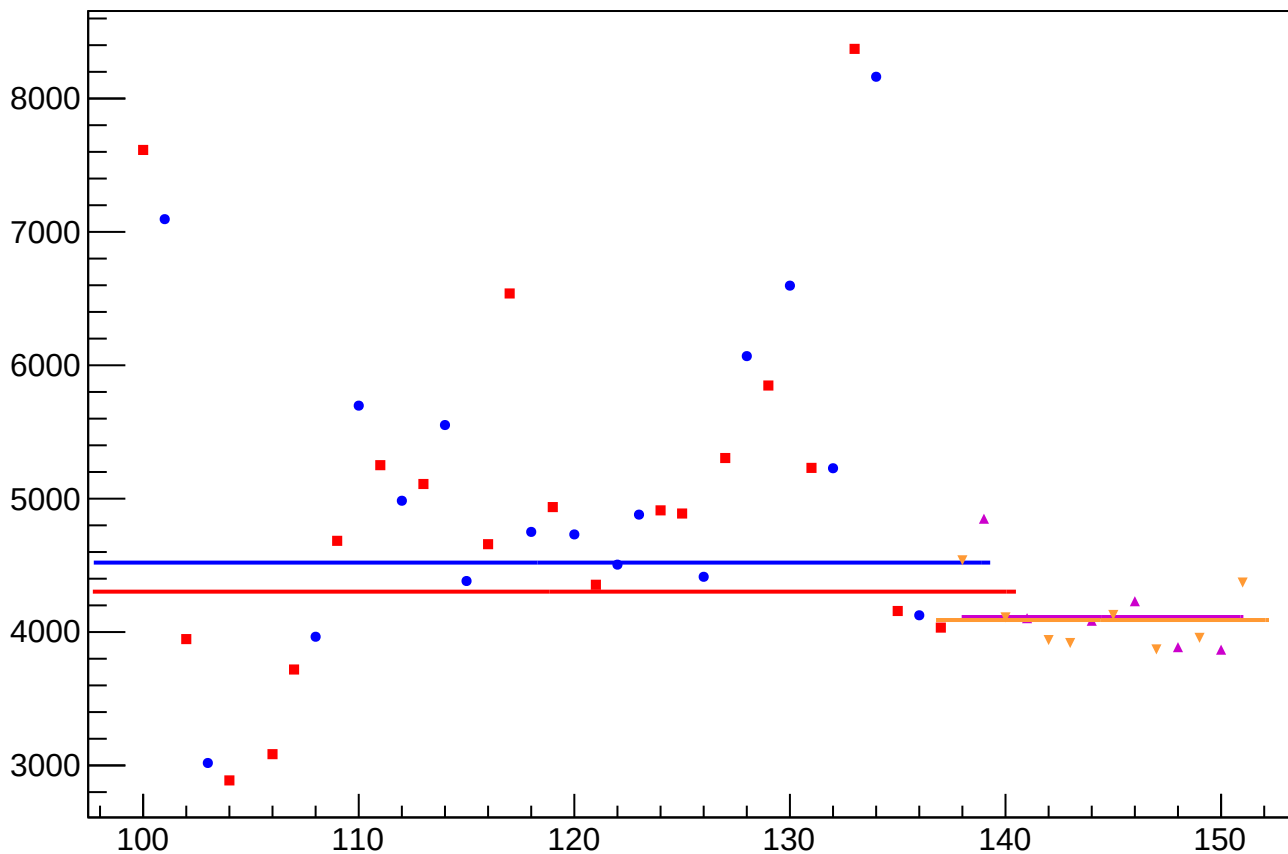
Left In: 535.451 ± 1862.279 χ^2/NDF : 4.7/5

712.086 ± 1242.898 χ^2/NDF : 34.1/24

244.304 ± 881.590 χ^2/NDF : 51.3/50

-229.333 ± 1250.652 χ^2/NDF : 16.9/25

asym_atr_dd_rms vs Slug, Sign Corrected



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

Left Out: 4090.240 $\pm$ 1.210 χ^2/NDF : 31462.9/7

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

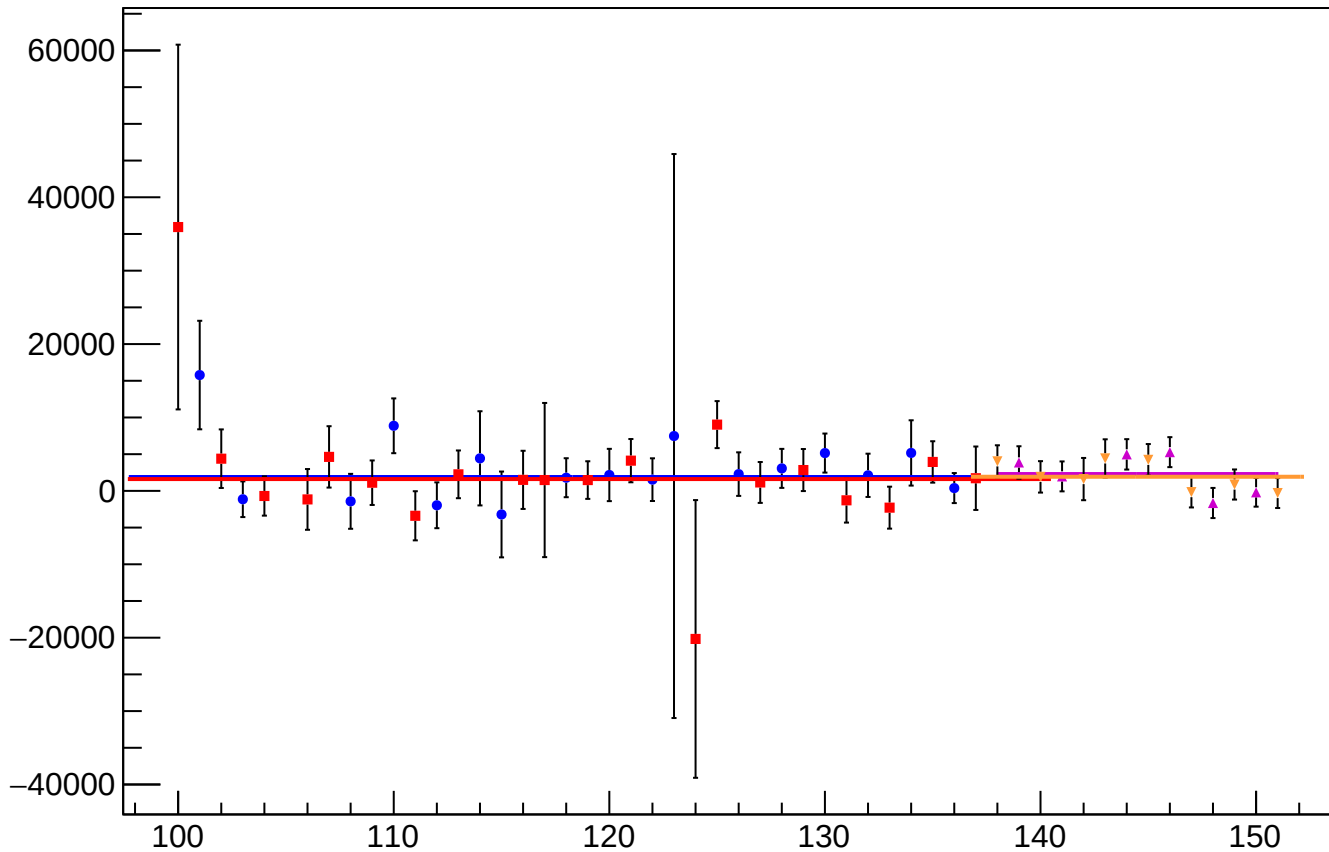
Left In: 4112.752 $\pm$ 1.317 χ^2/NDF : 47256.3/5

4293.422 $\pm$ 0.879 χ^2/NDF : 862132.6/24

4255.661 $\pm$ 0.622 χ^2/NDF : 1706482.2/50

4217.660 $\pm$ 0.882 χ^2/NDF : 840645.7/25

reg_asym_at1_avg_mean vs Slug, Sign Corrected



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

Left Out: 1924.249+/-785.957 χ^2/NDF : 5.5/7

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

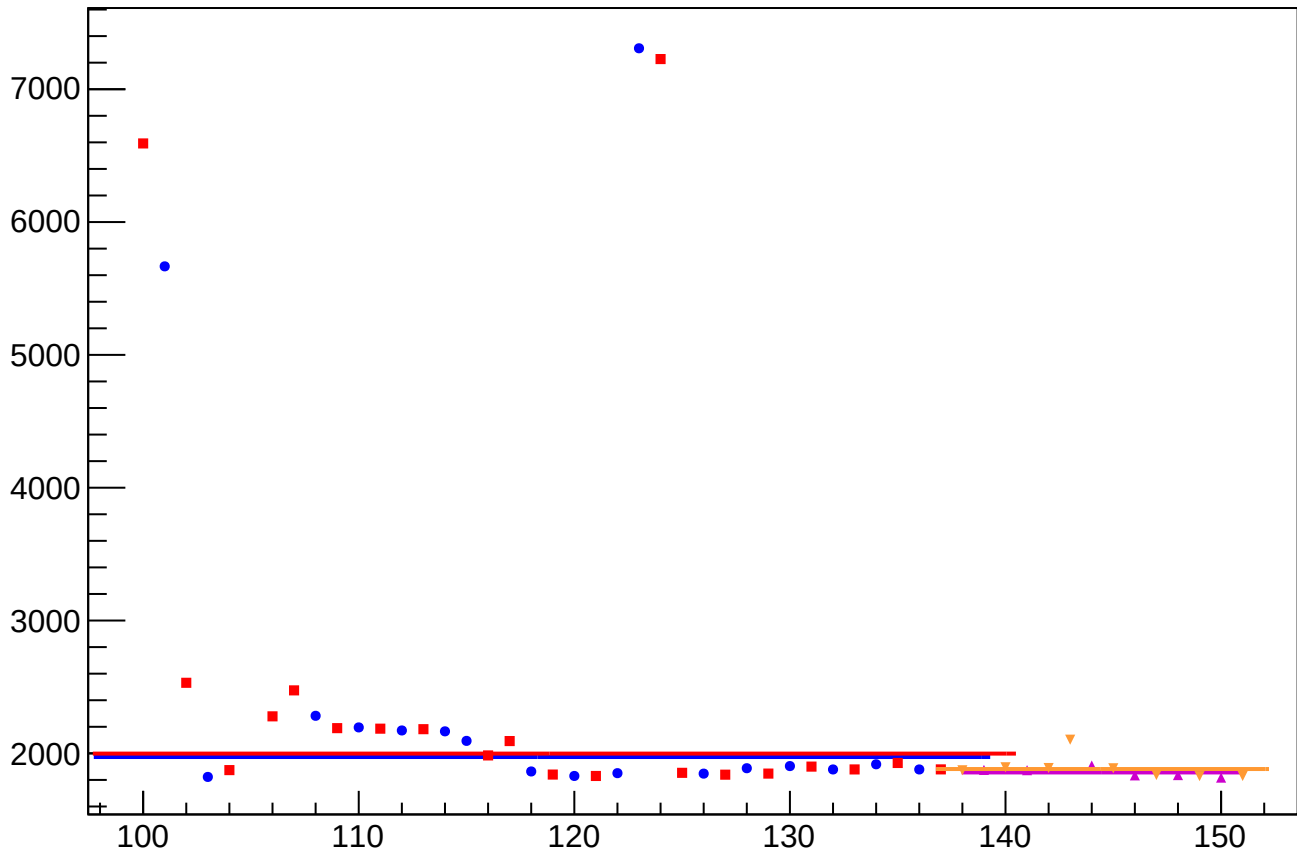
Left In: 2293.956+/-839.793 χ^2/NDF : 9.7/5

1906.033+/-555.001 χ^2/NDF : 20.1/24

1912.610+/-395.951 χ^2/NDF : 47.6/50

1919.428+/-565.054 χ^2/NDF : 27.5/25

reg_asym_at1_avg_rms vs Slug, Sign Corrected



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

Left Out: 1882.015+/-0.556 χ^2/NDF : 18195.5/7

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

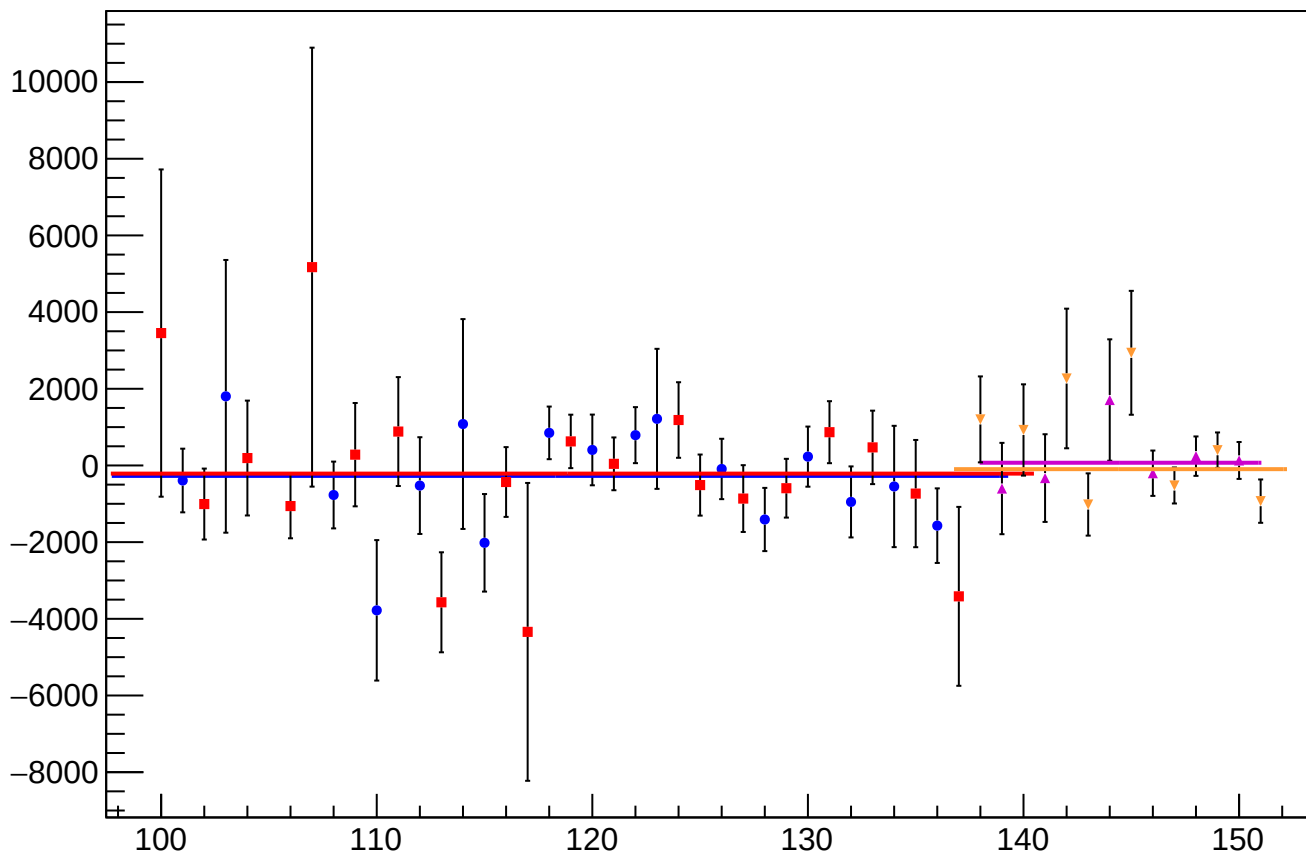
Left In: 1856.294+/-0.594 χ^2/NDF : 2775.9/5

1927.373+/-0.392 χ^2/NDF : 632350.5/24

1930.592+/-0.280 χ^2/NDF : 1022229.4/50

1933.928+/-0.400 χ^2/NDF : 389741.9/25

asym_at1_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -96.415+/-249.668 χ^2/NDF :12.7/7

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

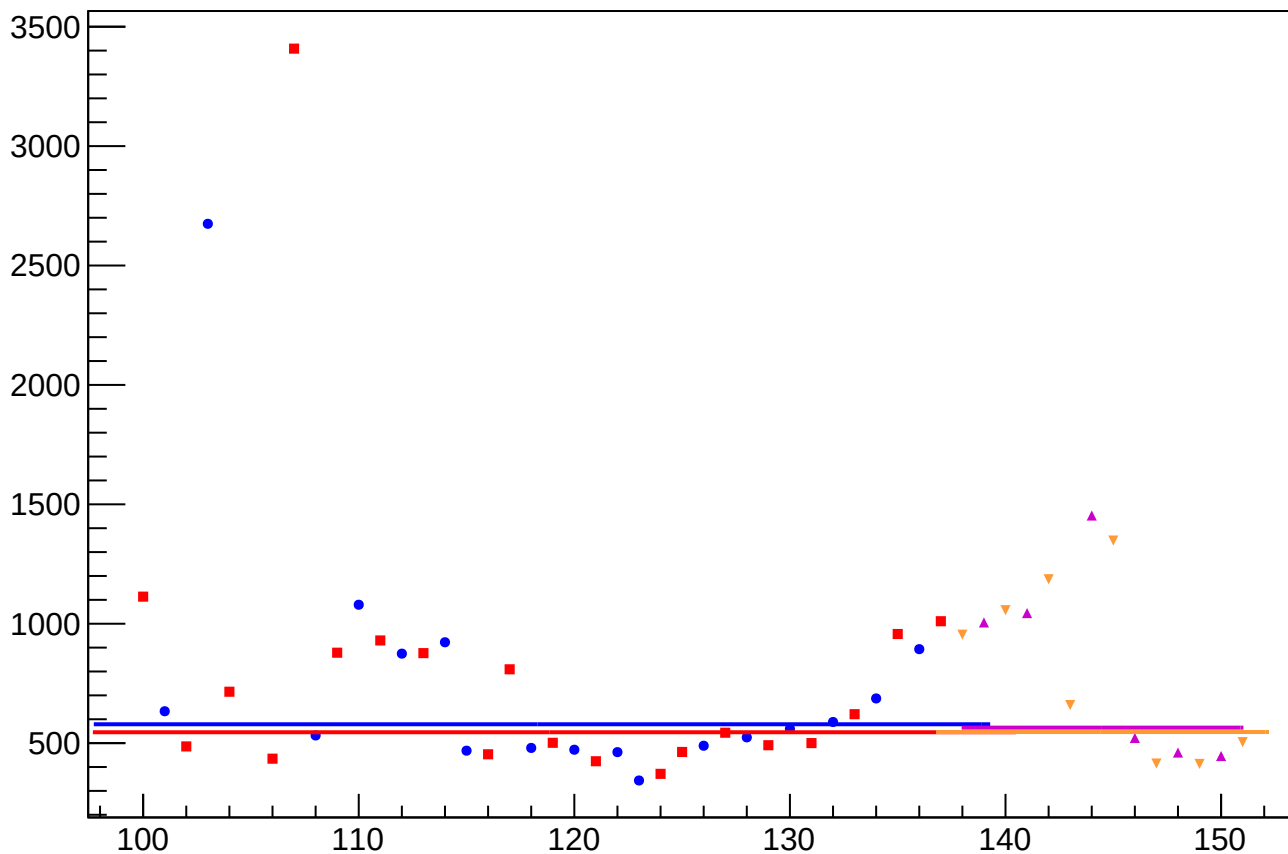
Left In: 70.742+/-279.138 χ^2/NDF :1.9/5

-187.477+/-173.103 χ^2/NDF : 30.2/24

-144.162+/-123.715 χ^2/NDF : 53.7/50

-98.937+/-176.878 χ^2/NDF : 23.3/25

asym_at1_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 546.507 +/- 0.177 χ^2/NDF : 1745764.4/7

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

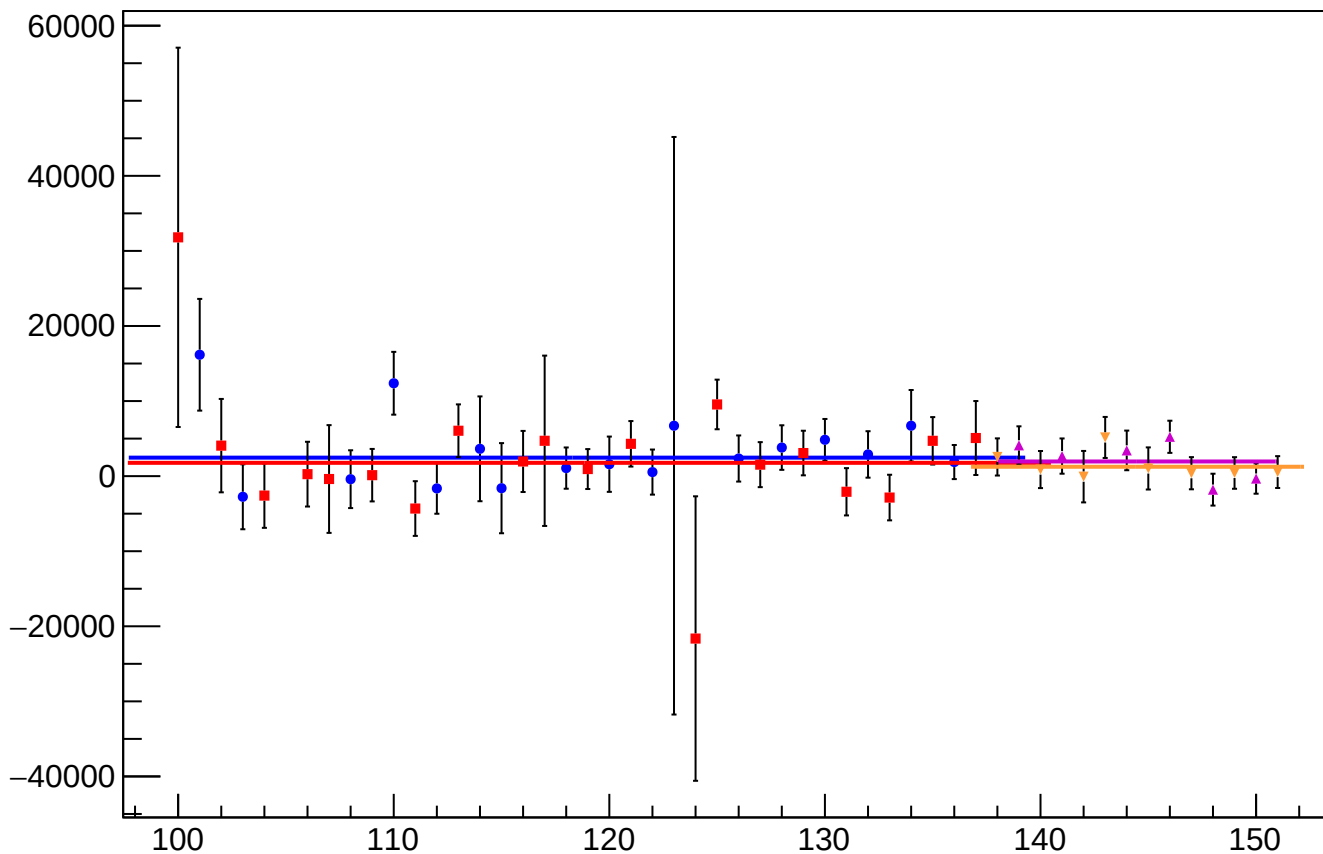
Left In: 564.899 +/- 0.197 χ^2/NDF : 1470089.0/5

563.386 +/- 0.122 χ^2/NDF : 3185515.3/24

558.473 +/- 0.087 χ^2/NDF : 6131663.8/50

553.343 +/- 0.125 χ^2/NDF : 2942855.2/25

asym_at1_avg_mean vs Slug, Sign Corrected



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

Left Out: 1250.836 $\pm$ 864.122 χ^2 /NDF: 2.9/7

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

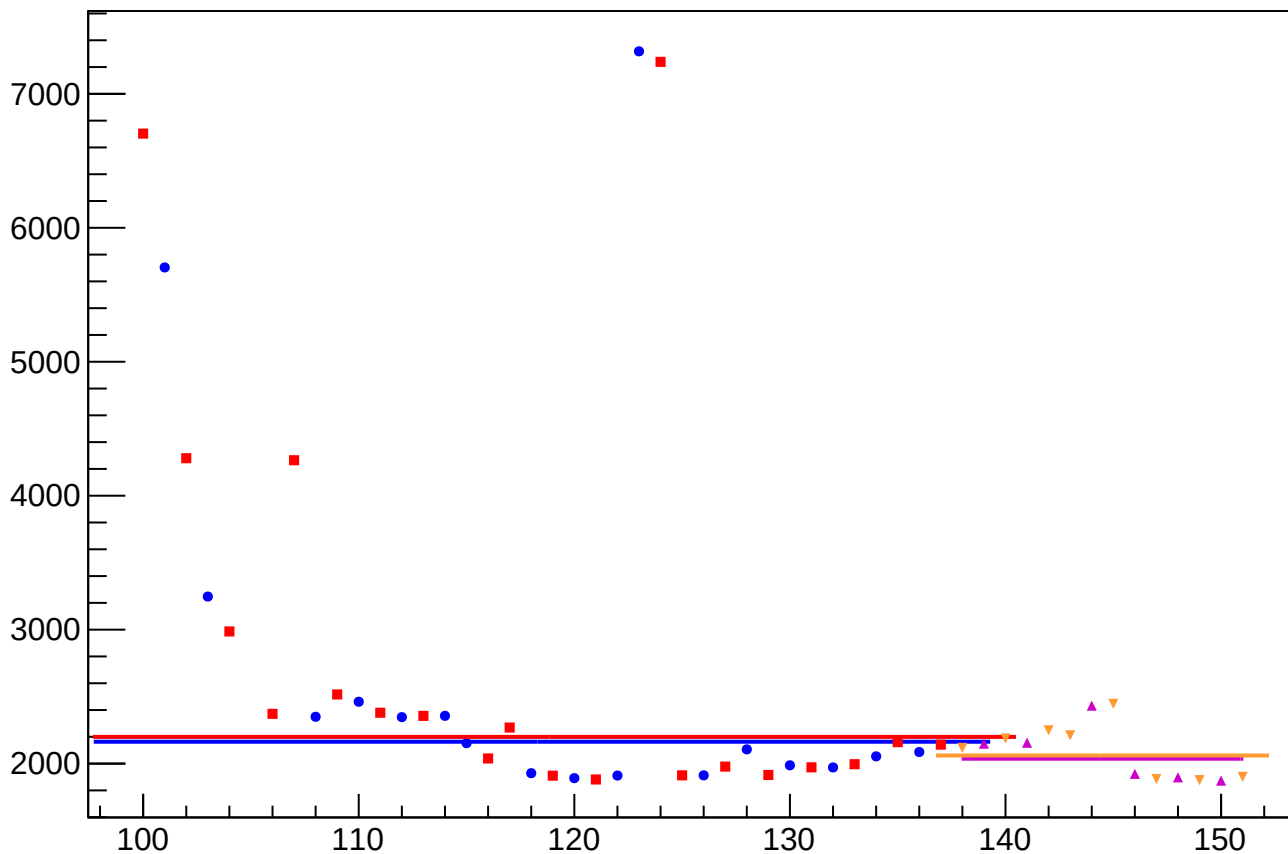
Left In: 1952.653 $\pm$ 925.297 χ^2 /NDF: 7.9/5

1858.106 $\pm$ 610.699 χ^2 /NDF: 19.4/24

1856.850 $\pm$ 437.249 χ^2 /NDF: 47.9/50

1855.528 $\pm$ 626.325 χ^2 /NDF: 28.5/25

asym_at1_avg_rms vs Slug, Sign Corrected



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

Left Out: 2060.635+/-0.611 χ^2/NDF : 96223.0/7

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

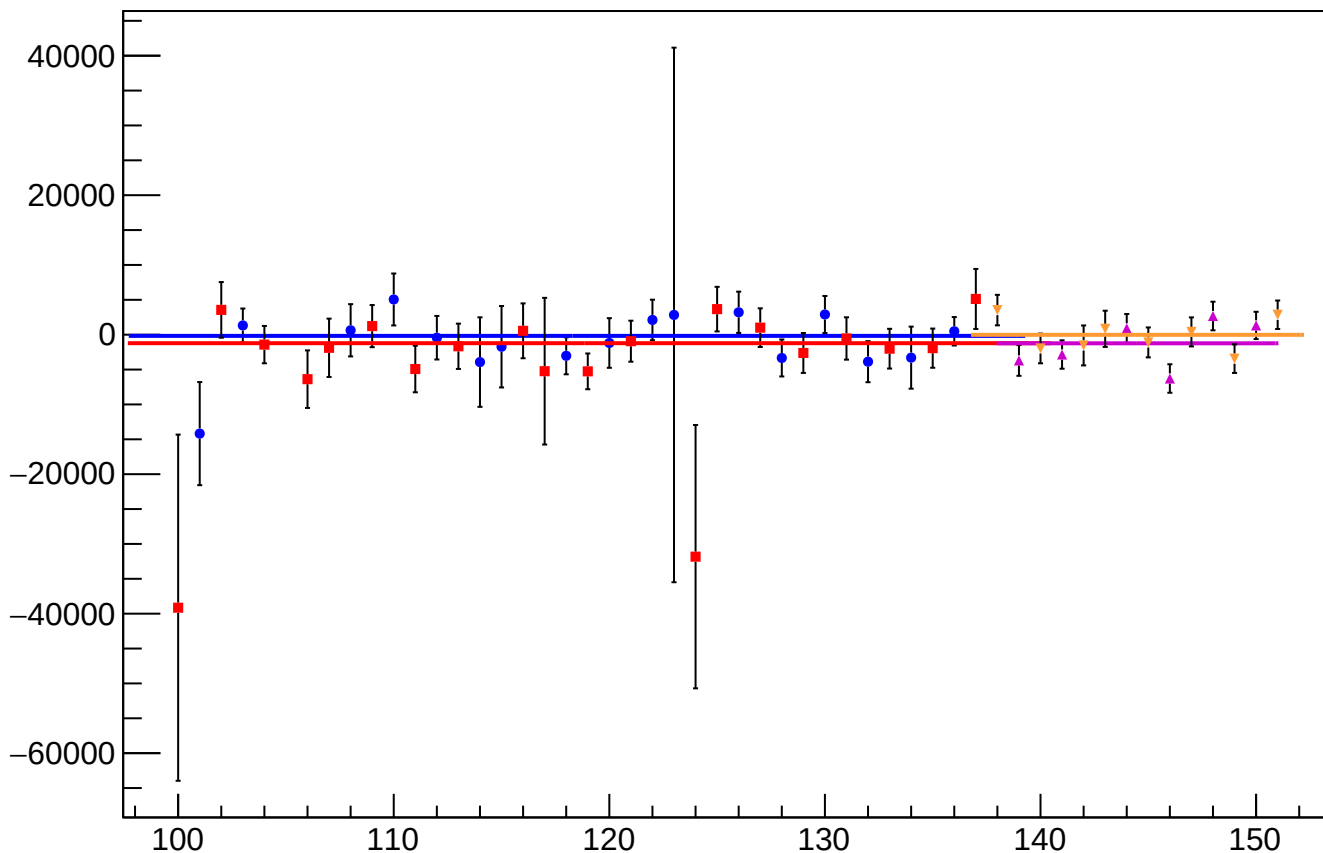
Left In: 2036.722+/-0.654 χ^2/NDF : 81498.9/5

2112.024+/-0.432 χ^2/NDF : 819938.9/24

2118.281+/-0.309 χ^2/NDF : 1738736.1/50

2124.863+/-0.443 χ^2/NDF : 918366.3/25

reg_asym_at1_dd_mean vs Slug, Sign Corrected



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

Left Out: -21.279+/-784.576 χ^2/NDF : 8.9/7

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

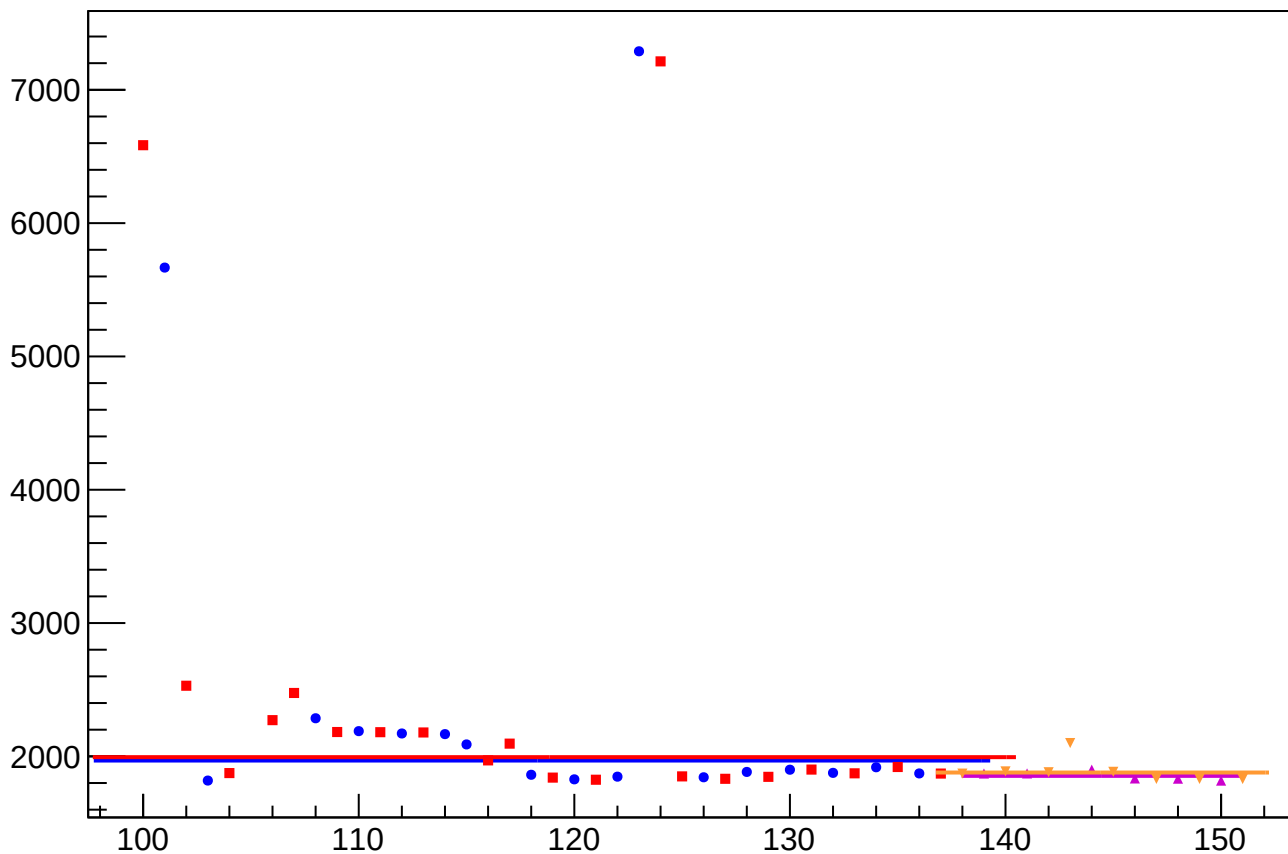
Left In: -1235.518+/-838.587 χ^2/NDF : 14.4/5

-96.023+/-554.003 χ^2/NDF : 23.5/24

-651.023+/-395.244 χ^2/NDF : 58.2/50

-1226.338+/-564.051 χ^2/NDF : 32.7/25

reg_asym_at1_dd_rms vs Slug, Sign Corrected



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

Left Out: 1878.706+/-0.555 χ^2/NDF : 17910.8/7

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

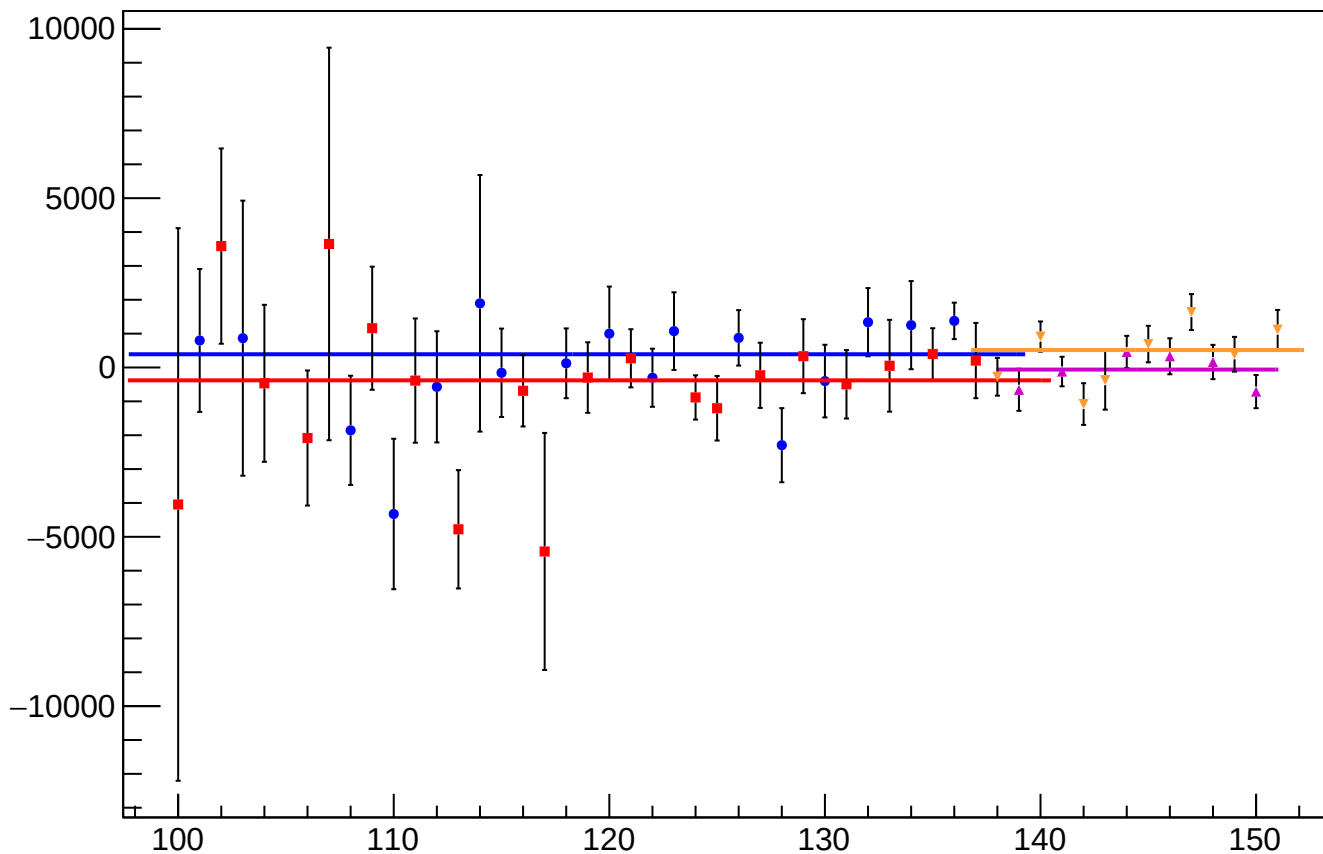
Left In: 1853.675+/-0.593 χ^2/NDF : 2376.7/5

1923.795+/-0.392 χ^2/NDF : 634057.5/24

1927.083+/-0.279 χ^2/NDF : 1023584.7/50

1930.491+/-0.399 χ^2/NDF : 389383.7/25

asym_at1_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 514.955 $\pm$ 196.402 χ^2/NDF : 16.2/7

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

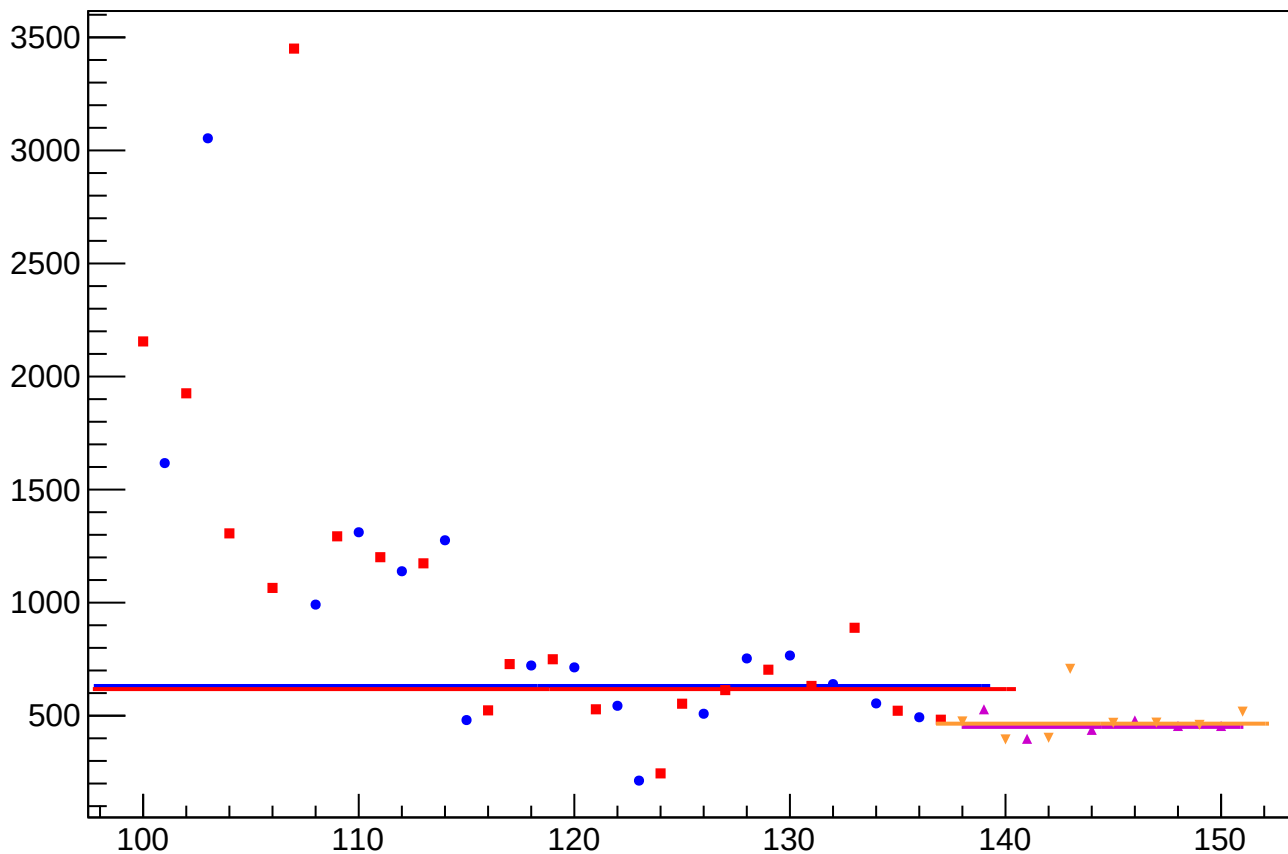
Left In: -61.565 $\pm$ 204.599 χ^2/NDF : 4.7/5

472.063 $\pm$ 158.853 χ^2/NDF : 36.4/24

152.354 $\pm$ 113.430 χ^2/NDF : 66.6/50

-180.242 $\pm$ 162.023 χ^2/NDF : 21.9/25

asym_at1_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 464.819 $\pm$ 0.139 χ^2 /NDF: 242344.2/7

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

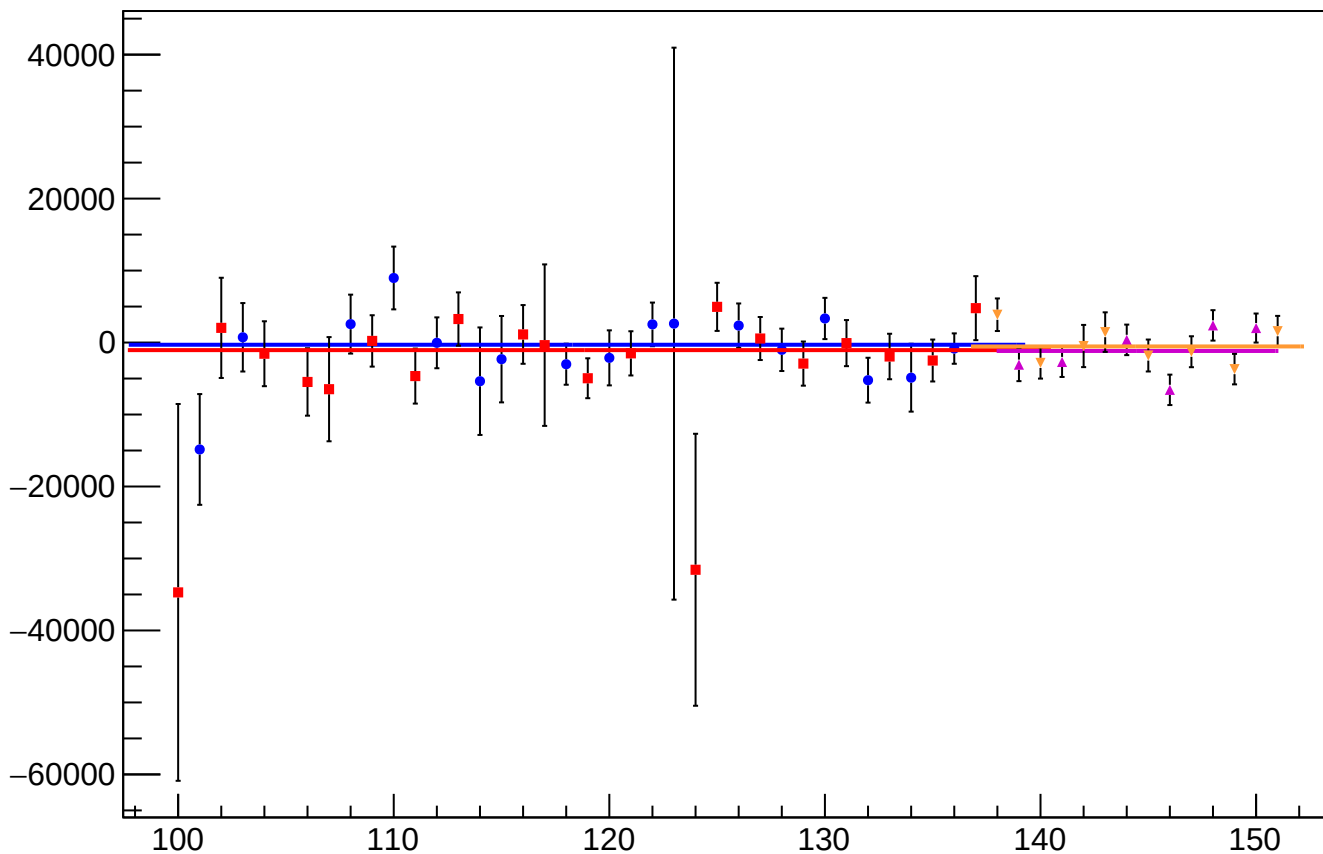
Left In: 450.563 $\pm$ 0.145 χ^2 /NDF: 68218.9/5

522.436 $\pm$ 0.112 χ^2 /NDF: 3000763.3/24

517.751 $\pm$ 0.080 χ^2 /NDF: 6374216.1/50

512.876 $\pm$ 0.115 χ^2 /NDF: 3369902.4/25

asym_at1_dd_mean vs Slug, Sign Corrected



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

Left Out: -540.485+/-811.898 χ^2/NDF : 9.1/7

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

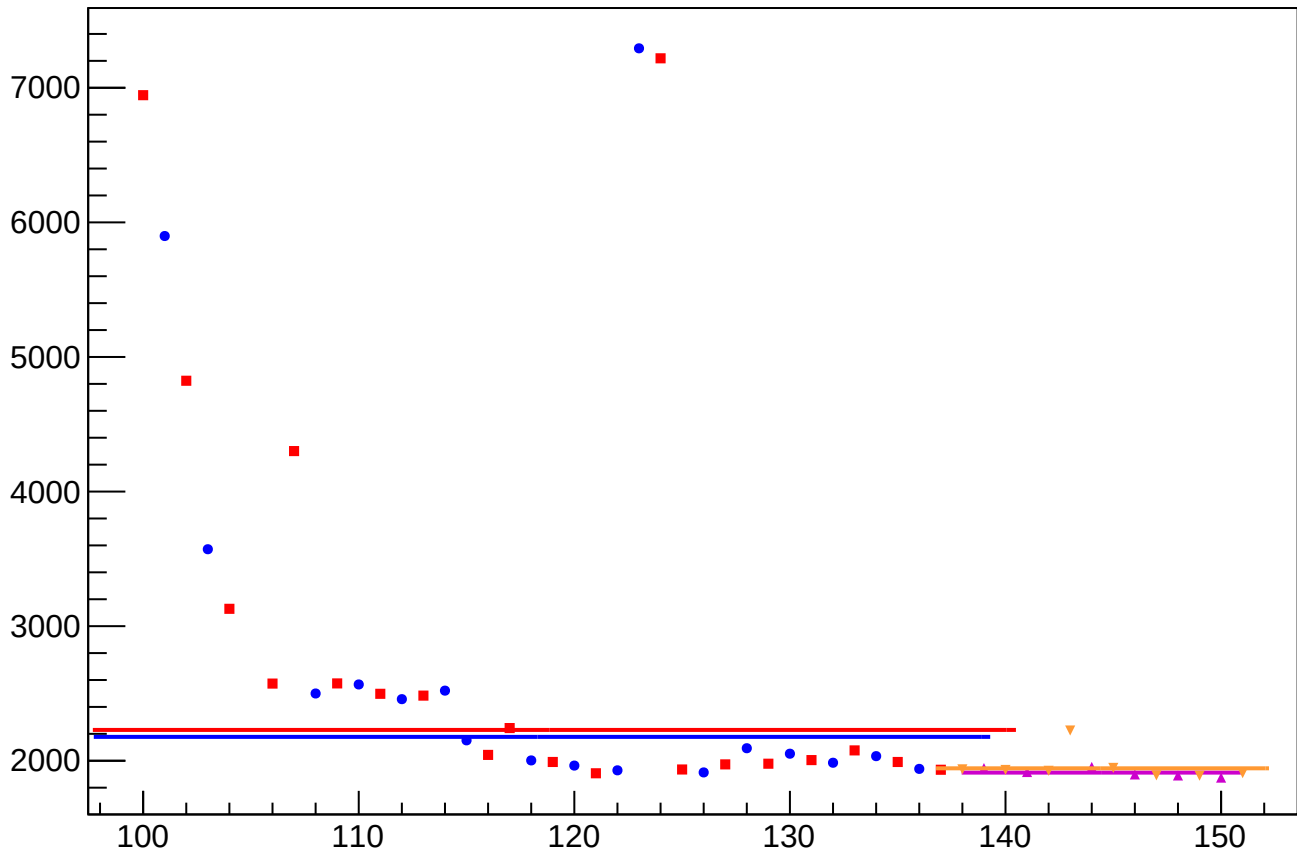
Left In: -1170.174+/-864.865 χ^2/NDF : 13.6/5

-431.457+/-594.186 χ^2/NDF : 26.2/24

-761.660+/-426.160 χ^2/NDF : 57.1/50

-1111.446+/-611.551 χ^2/NDF : 30.3/25

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2177.446 $\pm$ 0.617 χ^2 /NDF: 802836.7/16

Left Out: 1943.880 $\pm$ 0.574 χ^2 /NDF: 24141.6/7

Right Out: 2229.096 $\pm$ 0.612 χ^2 /NDF: 895812.2/19

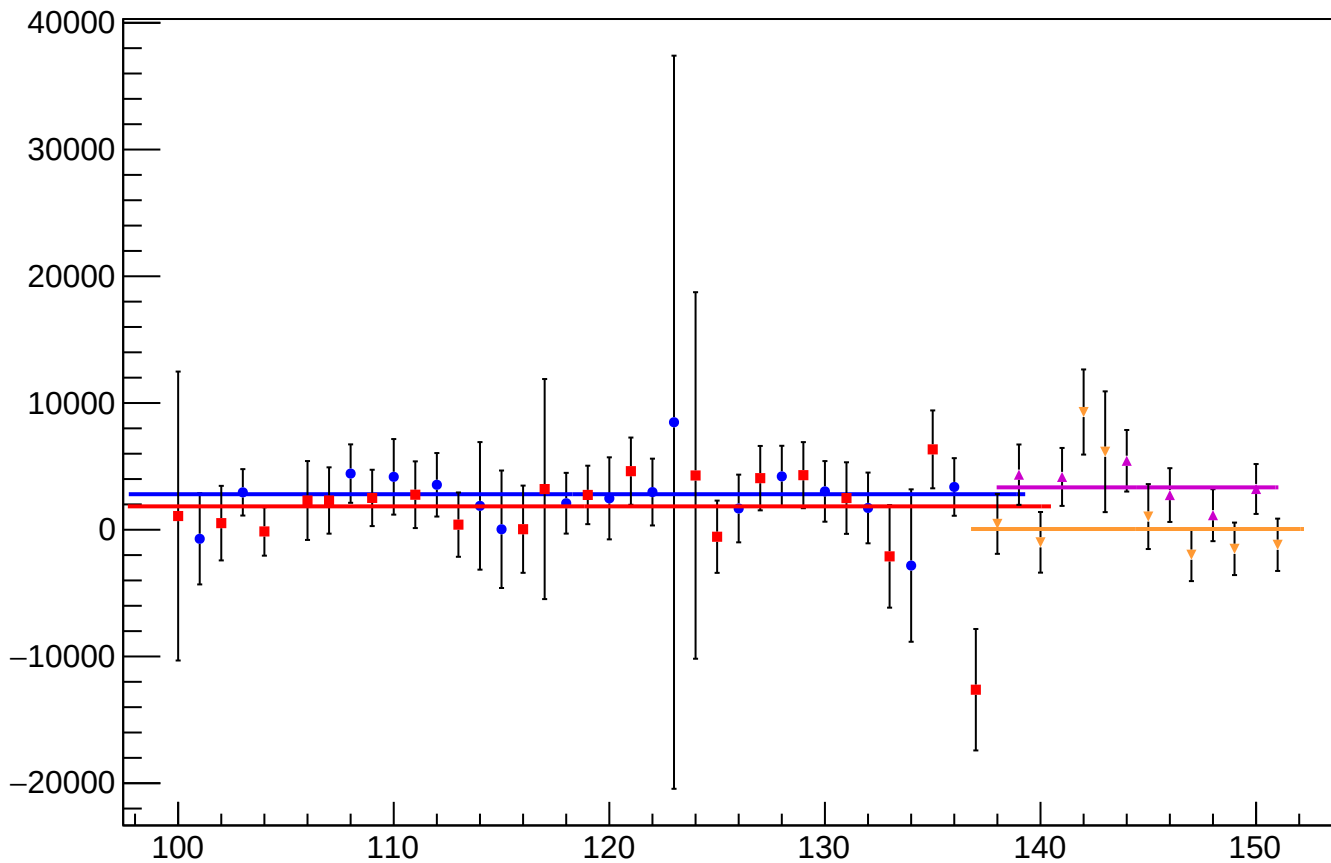
Left In: 1911.978 $\pm$ 0.612 χ^2 /NDF: 2208.3/5

2052.347 $\pm$ 0.420 χ^2 /NDF: 903845.1/24

2061.181 $\pm$ 0.301 χ^2 /NDF: 1937221.8/50

2070.538 $\pm$ 0.432 χ^2 /NDF: 1032466.5/25

reg_asym_at2_avg_mean vs Slug, Sign Corrected



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

Left Out: 58.875 $\pm$ 864.787 χ^2 /NDF: 11.4/7

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

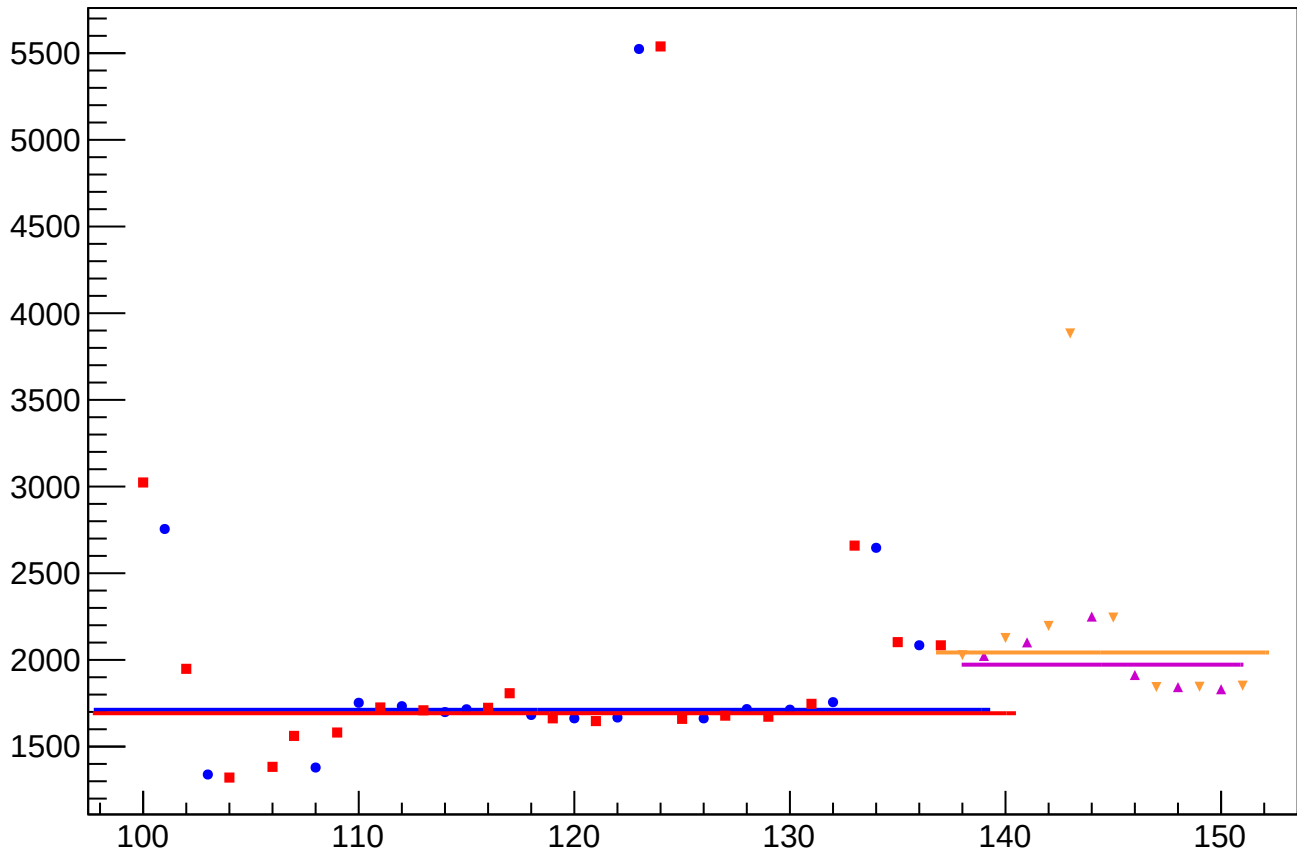
Left In: 3344.149 $\pm$ 892.607 χ^2 /NDF: 2.3/5

1757.893 $\pm$ 533.833 χ^2 /NDF: 21.6/24

2066.752 $\pm$ 375.132 χ^2 /NDF: 44.4/50

2368.055 $\pm$ 527.262 χ^2 /NDF: 22.2/25

reg_asym_at2_avg_rms vs Slug, Sign Corrected



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

Left Out: 2042.851+/-0.611 χ^2/NDF : 371157.8/7

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

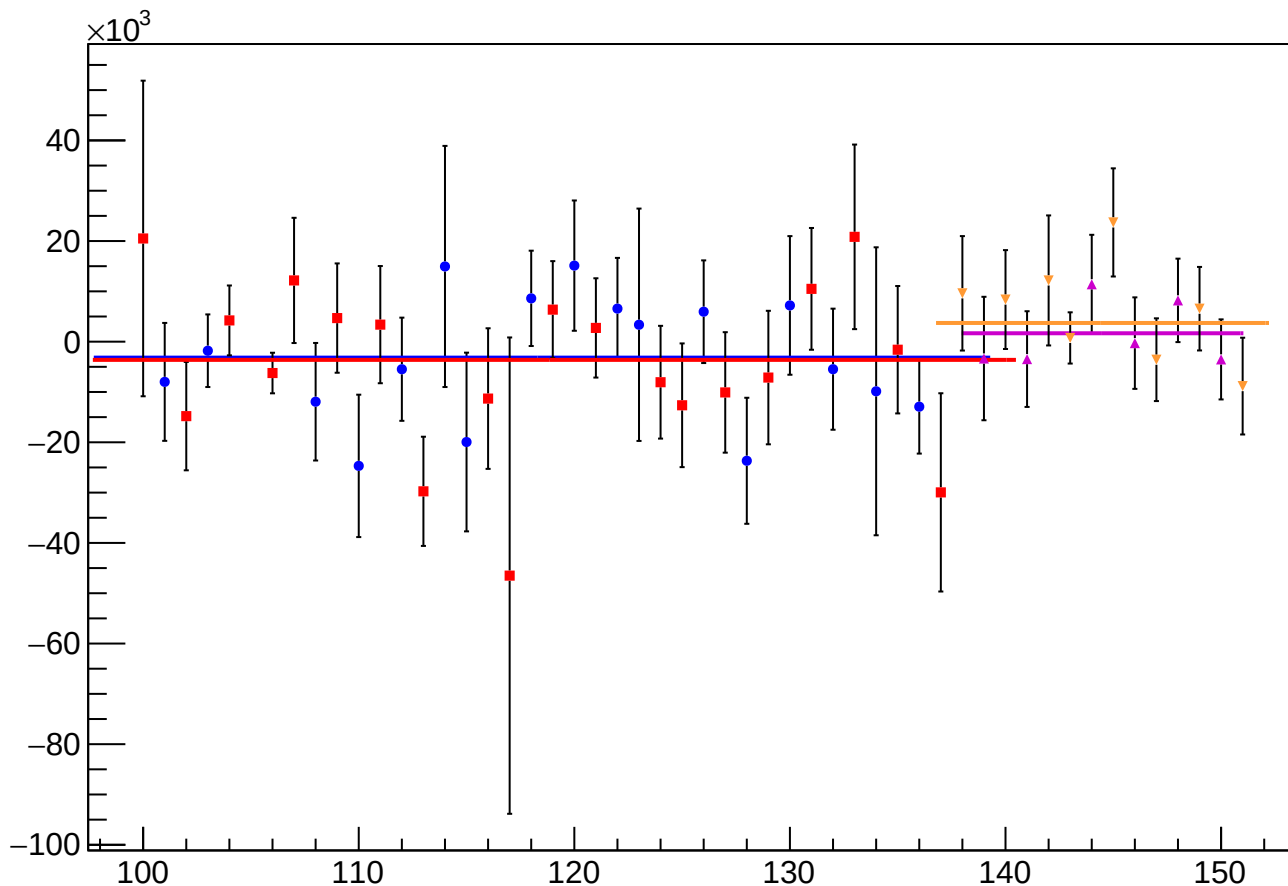
Left In: 1972.563+/-0.631 χ^2/NDF : 53242.7/5

1838.169+/-0.377 χ^2/NDF : 984653.9/24

1813.866+/-0.265 χ^2/NDF : 1629640.7/50

1790.158+/-0.373 χ^2/NDF : 636797.9/25

asym_at2_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 3717.625+/-2995.819 χ^2/NDF : 7.3/7

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

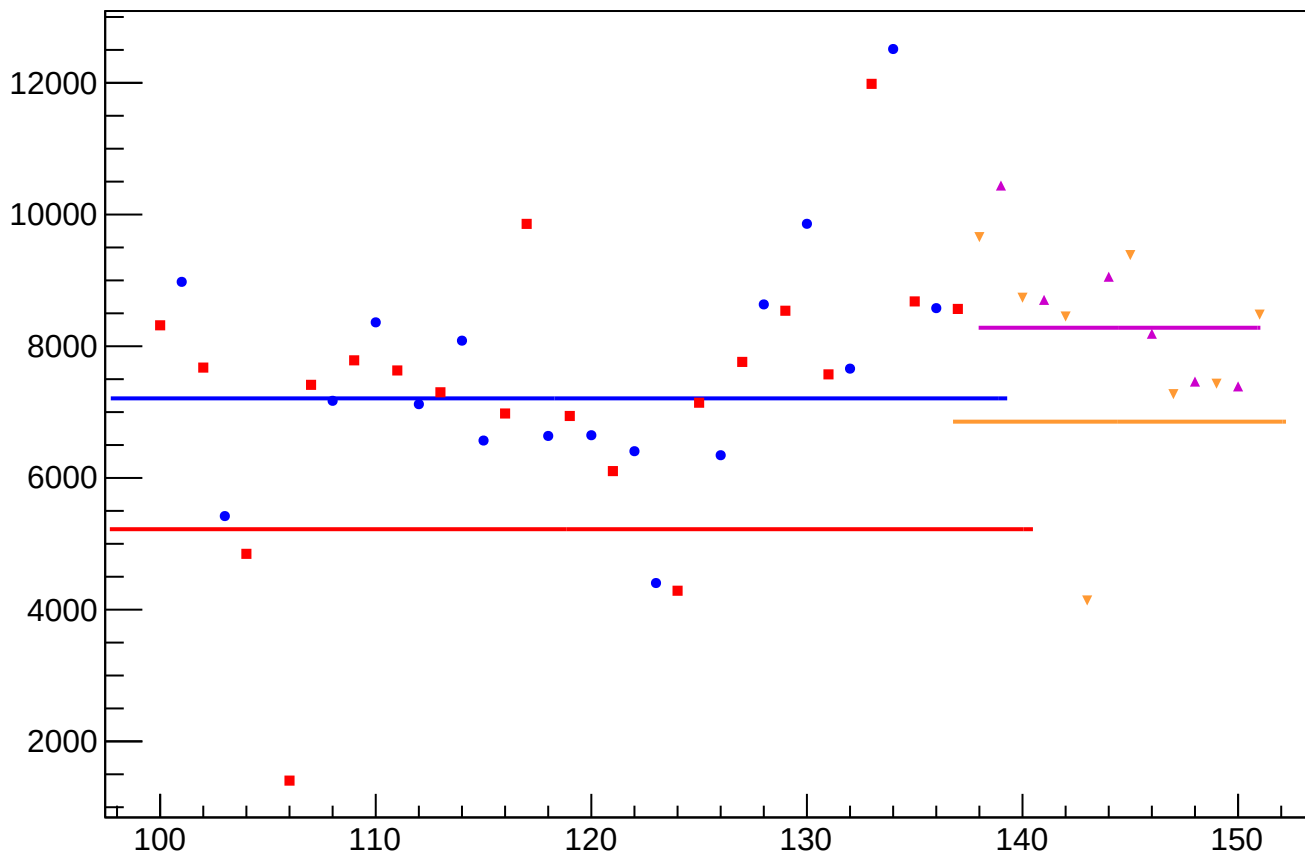
Left In: 1670.273+/-3766.887 χ^2/NDF : 2.5/5

102.800+/-2065.634 χ^2/NDF : 24.5/24

-1128.461+/-1414.289 χ^2/NDF : 49.5/50

-2215.002+/-1940.446 χ^2/NDF : 24.3/25

asym_at2_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 6854.924+/-2.118 χ^2/NDF : 976852.4/7

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

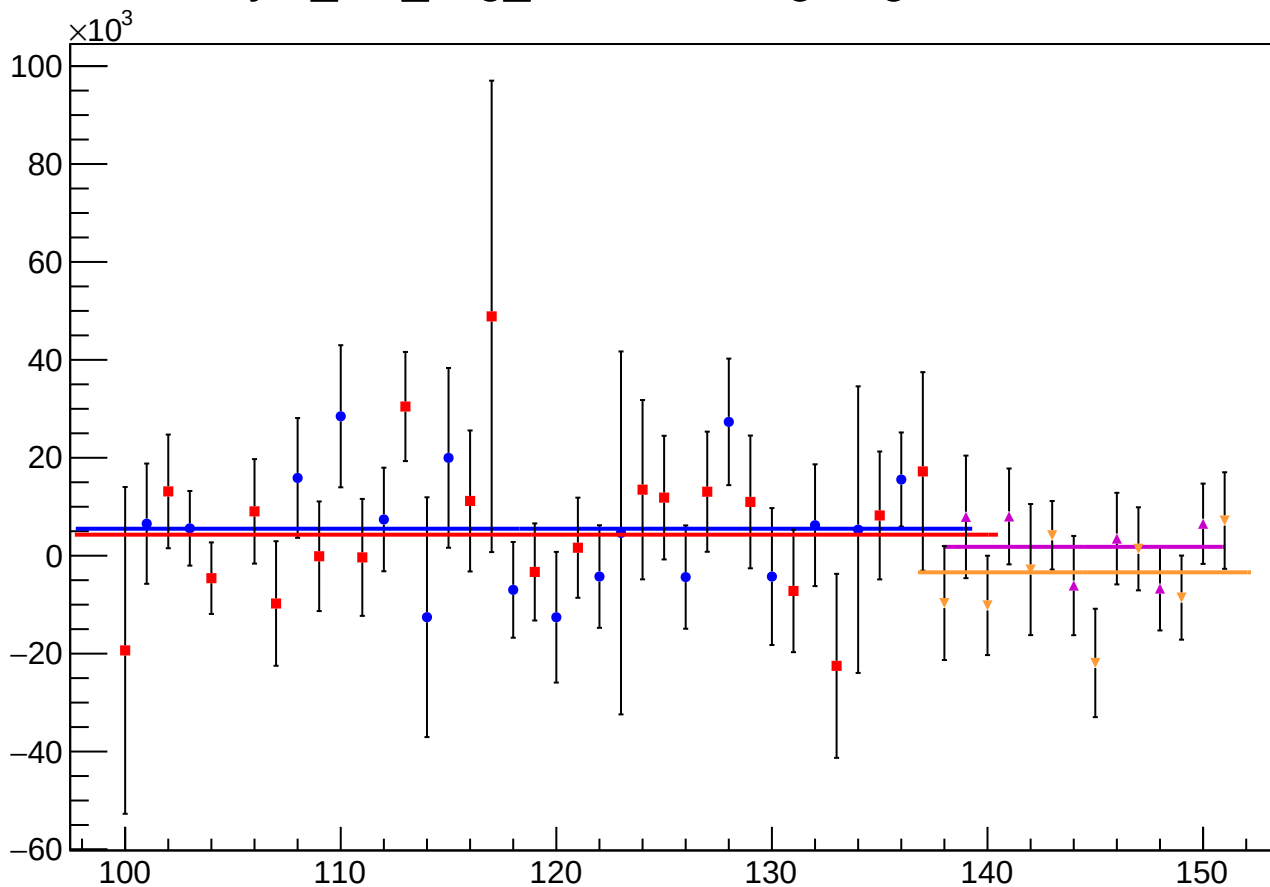
Left In: 8281.007+/-2.664 χ^2/NDF : 123052.5/5

7040.439+/-1.461 χ^2/NDF : 1460774.3/24

6505.591+/-1.000 χ^2/NDF : 6021402.2/50

6033.607+/-1.372 χ^2/NDF : 4308215.4/25

asym_at2_avg_mean vs Slug, Sign Corrected



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

Left Out: -3399.540 $\pm$ 3352.978 χ^2/NDF : 6.5/7

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

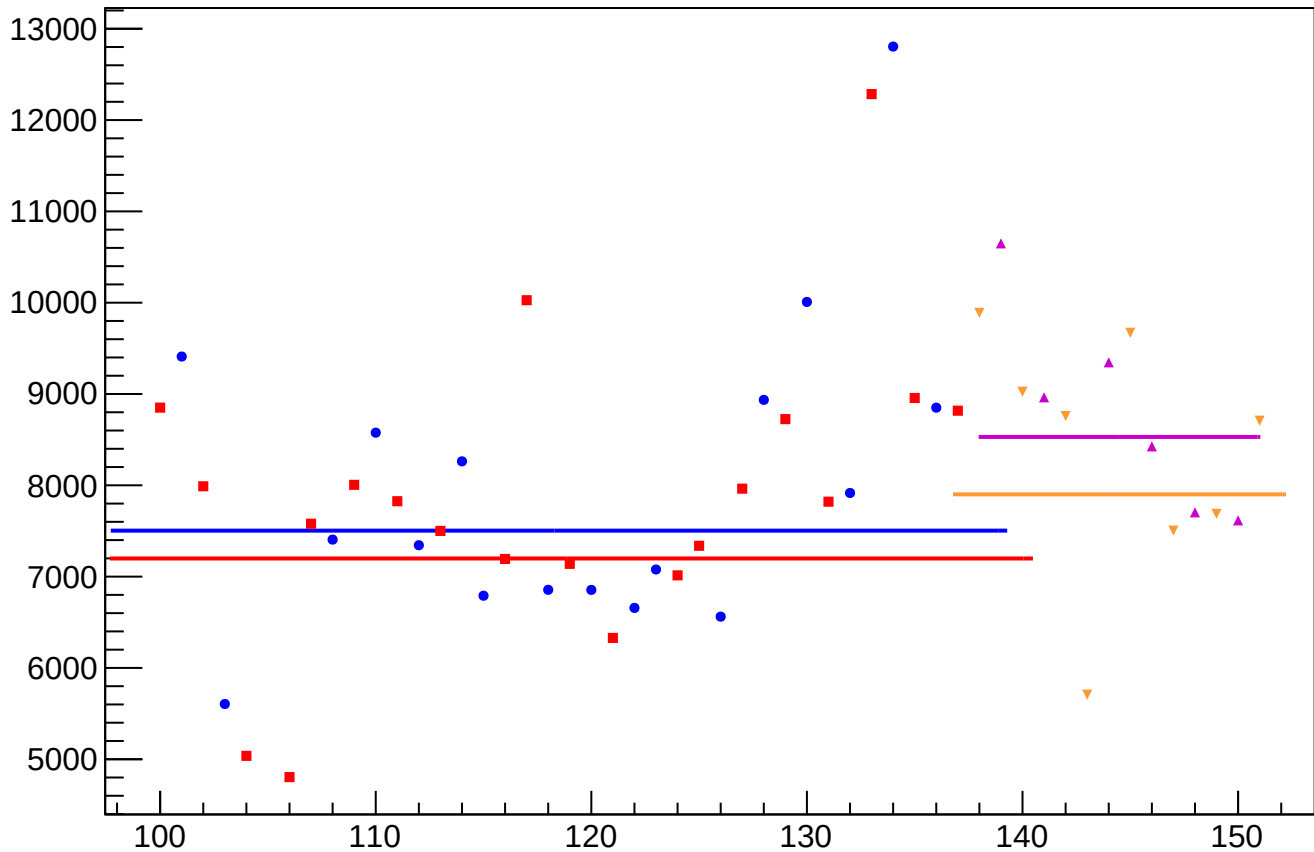
Left In: 1811.399 $\pm$ 3877.963 χ^2/NDF : 2.6/5

1591.035 $\pm$ 2223.668 χ^2/NDF : 24.6/24

2504.599 $\pm$ 1585.881 χ^2/NDF : 44.1/50

3450.252 $\pm$ 2262.383 χ^2/NDF : 19.2/25

asym_at2_avg_rms vs Slug, Sign Corrected



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

Left Out: 7901.074 $\pm$ 2.371 χ^2/NDF : 357346.0/7

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

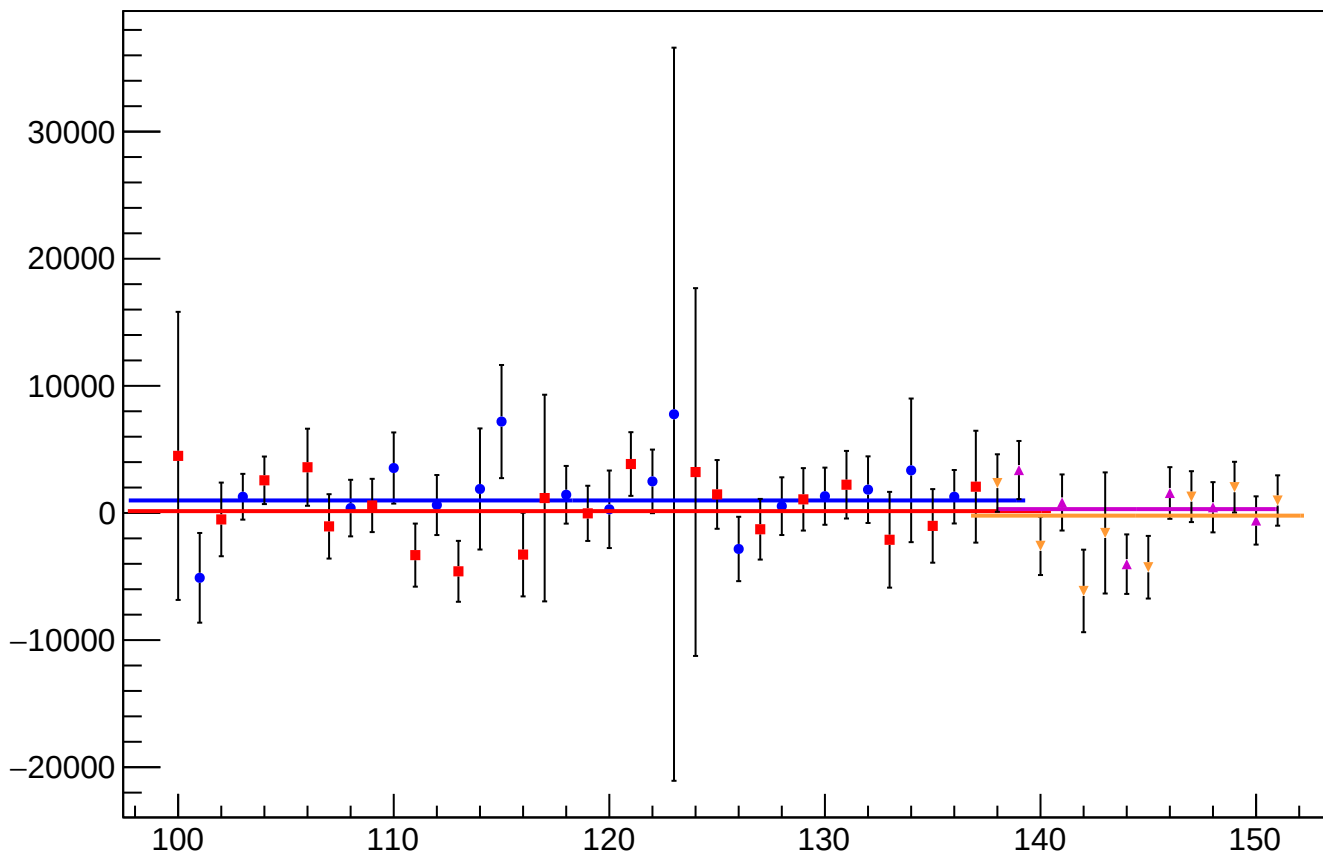
Left In: 8529.516 $\pm$ 2.742 χ^2/NDF : 118023.5/5

7678.451 $\pm$ 1.572 χ^2/NDF : 800398.4/24

7665.249 $\pm$ 1.121 χ^2/NDF : 1638573.4/50

7651.585 $\pm$ 1.600 χ^2/NDF : 838031.5/25

reg_asym_at2_dd_mean vs Slug, Sign Corrected



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

Left Out: -210.253+/-832.310 χ^2/NDF : 10.7/7

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

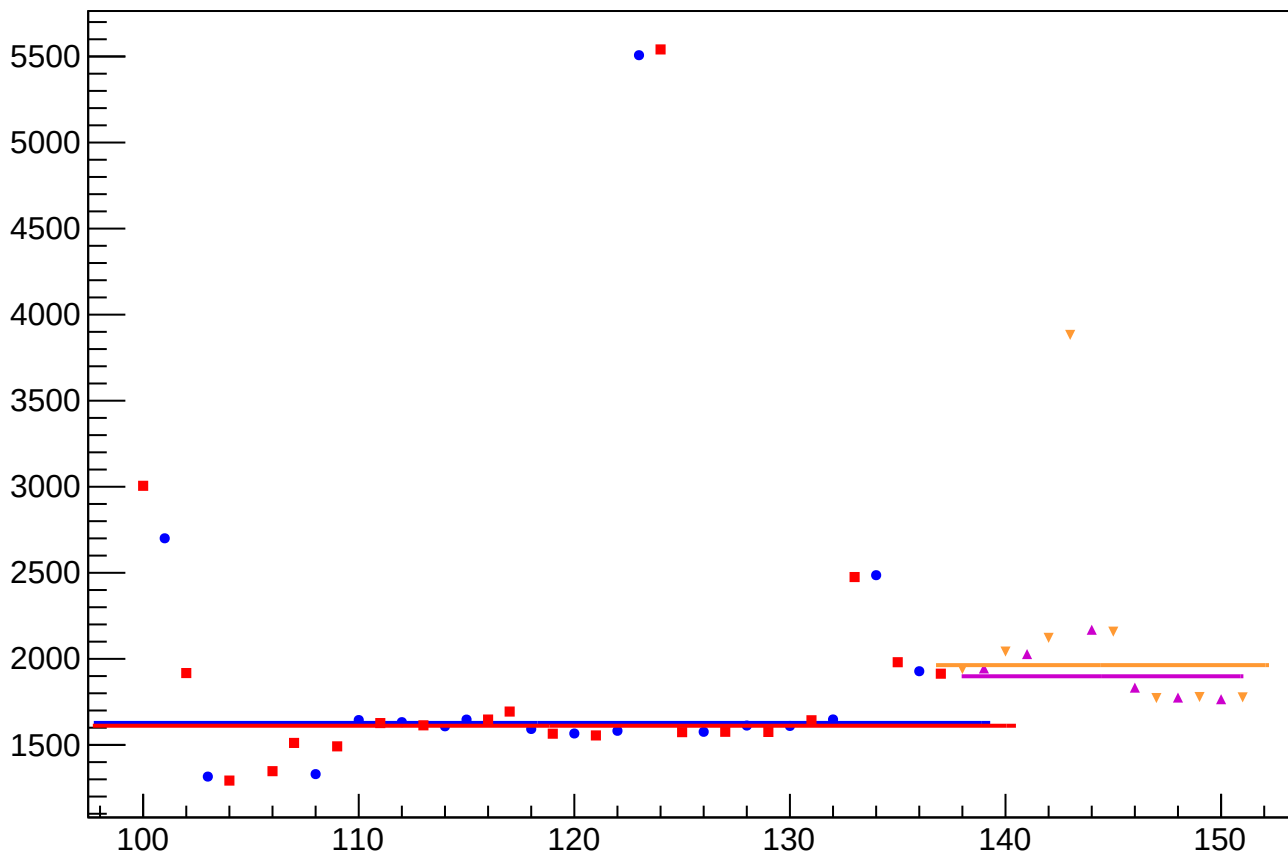
Left In: 303.615+/-859.260 χ^2/NDF : 5.9/5

537.127+/-509.647 χ^2/NDF : 21.0/24

366.231+/-358.254 χ^2/NDF : 41.8/50

199.297+/-503.702 χ^2/NDF : 20.6/25

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1627.836 ± 0.456 $\chi^2/\text{NDF}: 407106.6/16$

Left Out: 1963.594 ± 0.589 $\chi^2/\text{NDF}: 397553.6/7$

Right Out: 1611.433 ± 0.440 $\chi^2/\text{NDF}: 434167.6/19$

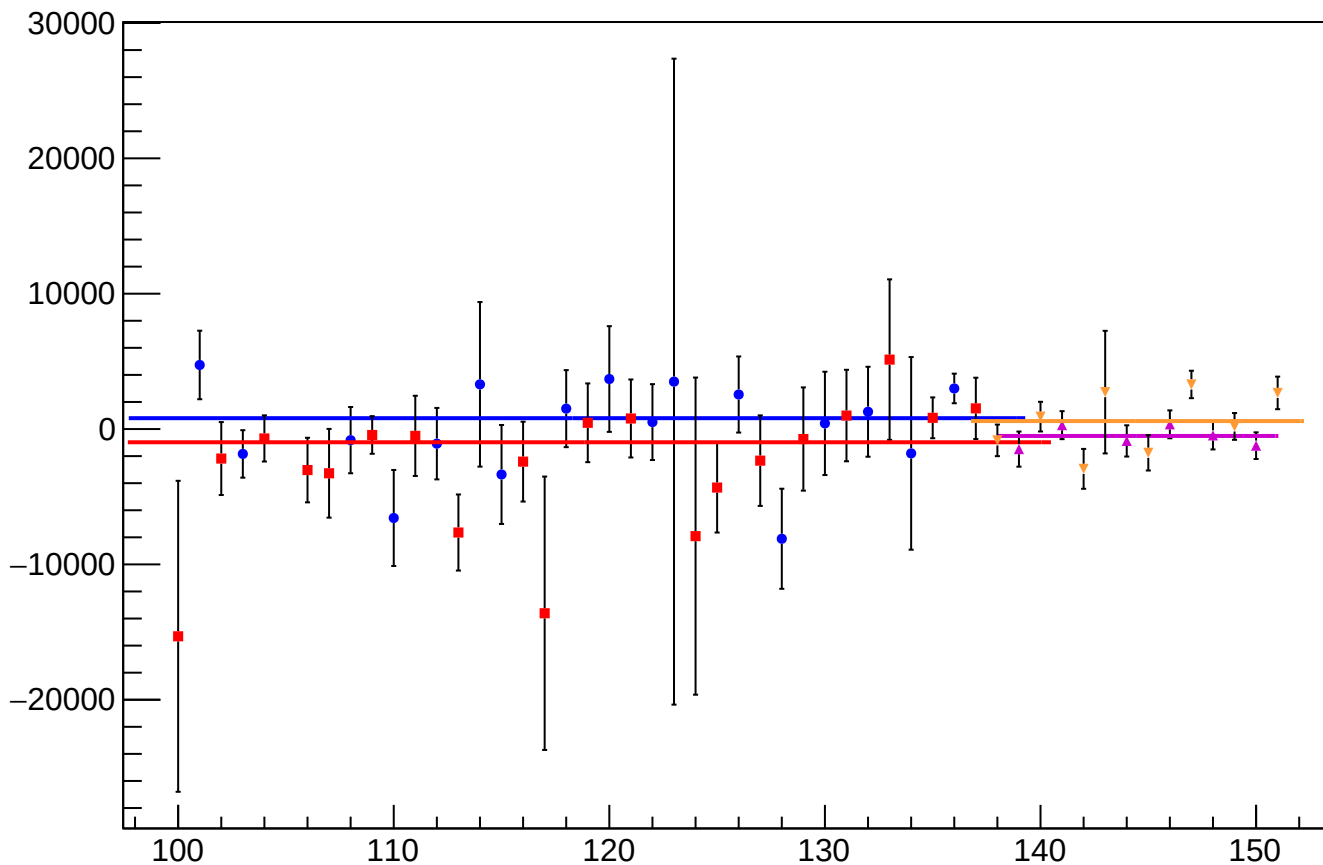
Left In: 1898.835 ± 0.608 $\chi^2/\text{NDF}: 54087.0/5$

1753.727 ± 0.360 $\chi^2/\text{NDF}: 1008097.1/24$

1731.705 ± 0.253 $\chi^2/\text{NDF}: 1650593.8/50$

1710.194 ± 0.356 $\chi^2/\text{NDF}: 635114.9/25$

asym_at2_dd_correction_mean vs Slug, Sign Corrected



Right In: 803.048+/-631.676 χ^2/NDF : 22.4/16

Left Out: 589.159+/-432.407 χ^2/NDF : 21.0/7

Right Out: -976.725+/-588.724 χ^2/NDF : 16.8/19

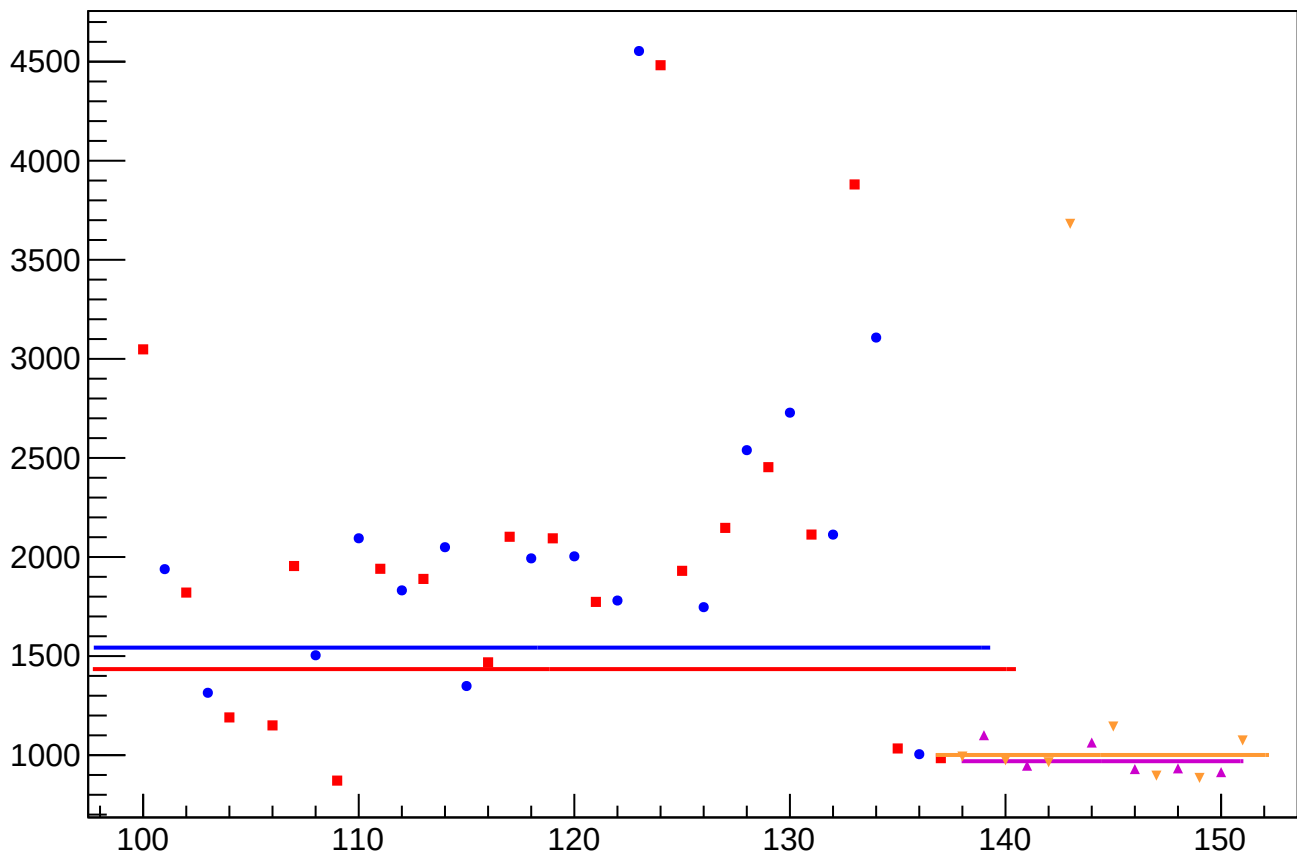
Left In: -510.375+/-439.308 χ^2/NDF : 2.5/5

657.406+/-356.814 χ^2/NDF : 43.5/24

-18.782+/-250.618 χ^2/NDF : 70.3/50

-677.172+/-352.087 χ^2/NDF : 19.7/25

asym_at2_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1000.923+/-0.306 χ^2/NDF : 783327.3/7

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

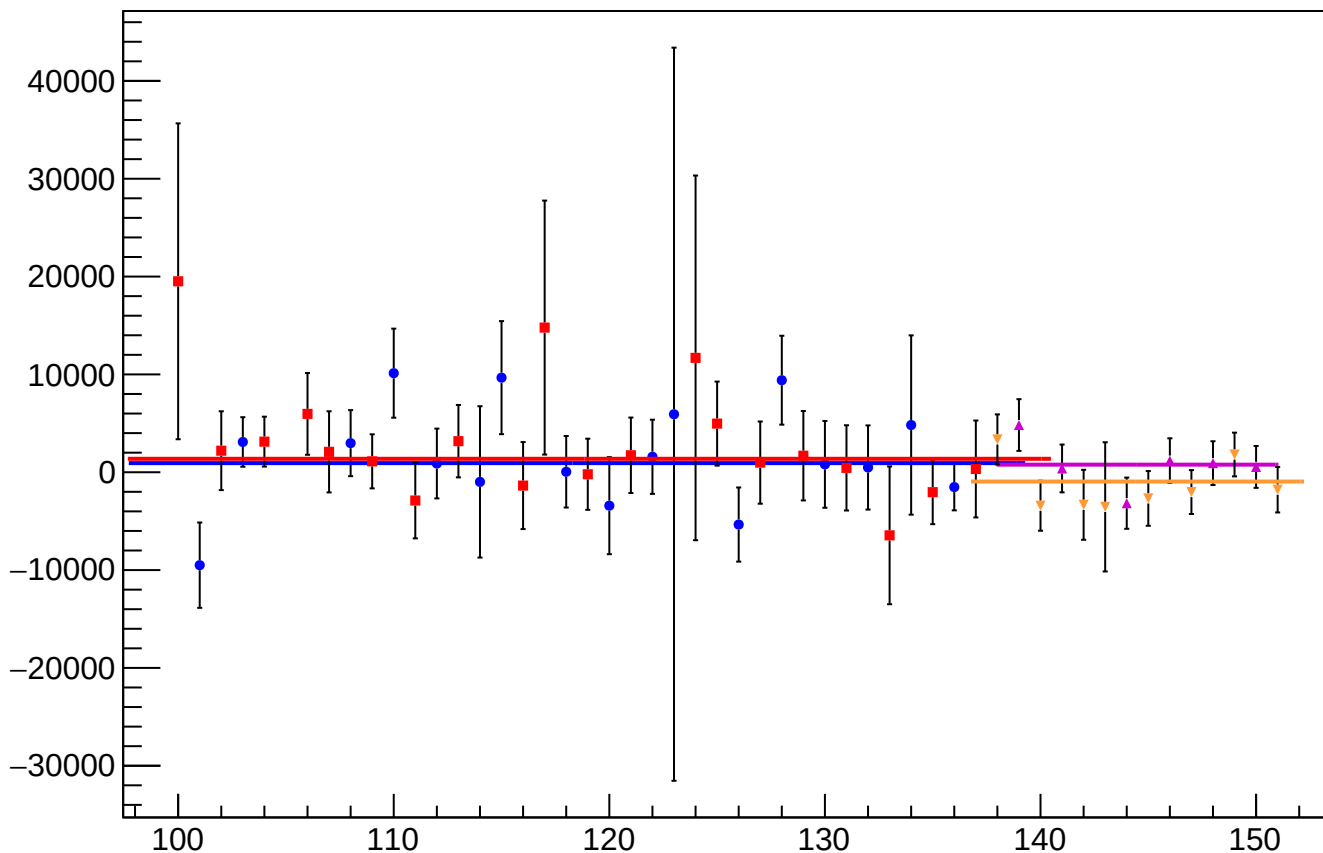
Left In: 969.454+/-0.311 χ^2/NDF : 46413.7/5

1173.793+/-0.252 χ^2/NDF : 3073091.5/24

1154.498+/-0.177 χ^2/NDF : 5764517.2/50

1135.710+/-0.249 χ^2/NDF : 2679882.3/25

asym_at2_dd_mean vs Slug, Sign Corrected



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

Left Out: -950.838 ± 945.601 χ^2/NDF : 6.6/7

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

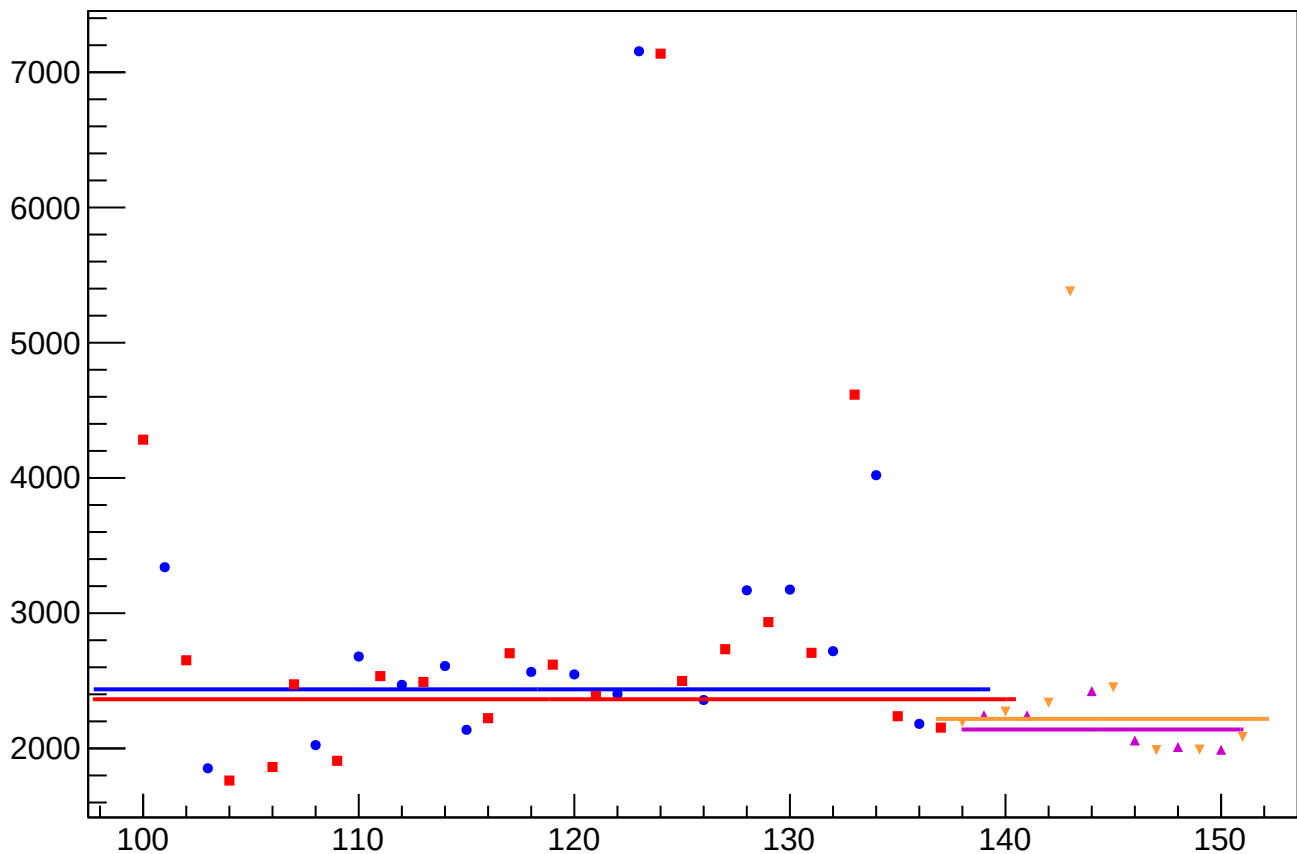
Left In: 774.994 ± 968.228 χ^2/NDF : 4.7/5

-30.998 ± 676.401 χ^2/NDF : 30.2/24

536.328 ± 475.327 χ^2/NDF : 46.0/50

1089.821 ± 668.104 χ^2/NDF : 14.4/25

asym_at2_dd_rms vs Slug, Sign Corrected



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

Left Out: 2218.408 ± 0.669 $\chi^2/\text{NDF}: 524122.0/7$

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

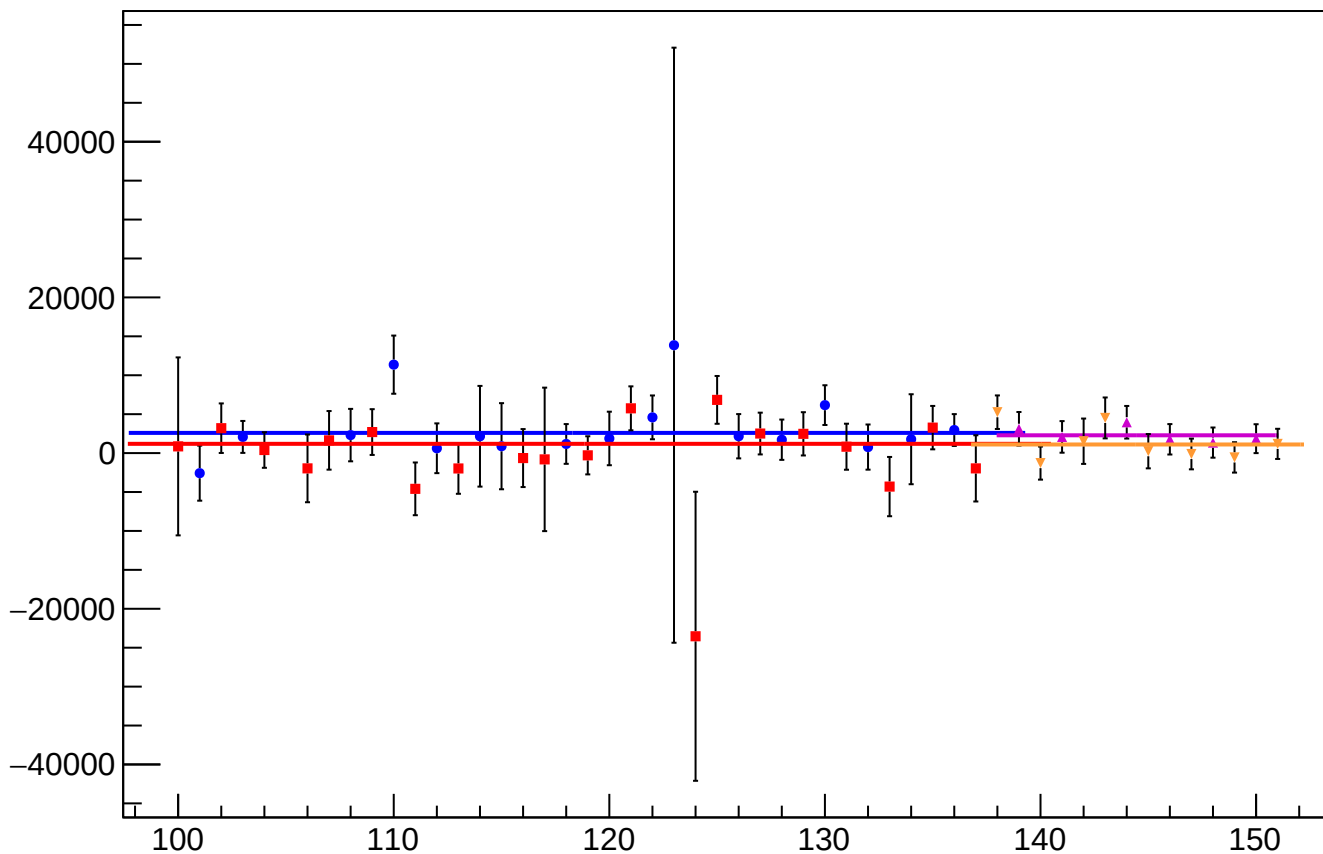
Left In: 2140.072 ± 0.685 $\chi^2/\text{NDF}: 49403.5/5$

2325.082 ± 0.478 $\chi^2/\text{NDF}: 1045273.8/24$

2290.709 ± 0.336 $\chi^2/\text{NDF}: 1817955.3/50$

2257.175 ± 0.472 $\chi^2/\text{NDF}: 762478.2/25$

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



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

Left Out: 1106.319 ± 768.878 χ^2/NDF : 7.9/7

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

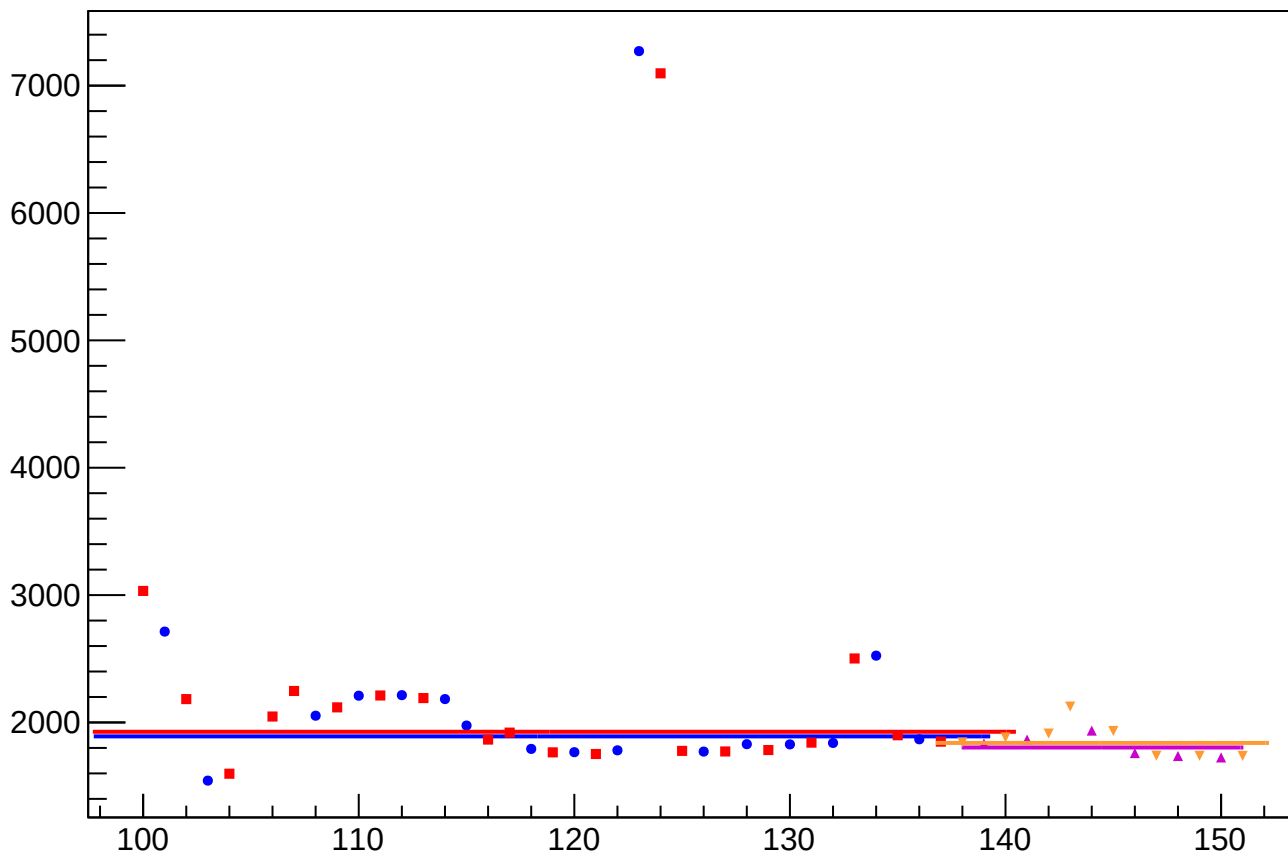
Left In: 2286.343 ± 815.424 χ^2/NDF : 1.2/5

1875.969 ± 534.295 χ^2/NDF : 21.6/24

1781.696 ± 382.171 χ^2/NDF : 41.0/50

1682.935 ± 546.868 χ^2/NDF : 19.4/25

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



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

Left Out: 1839.365+/-0.544 χ^2/NDF : 45394.7/7

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

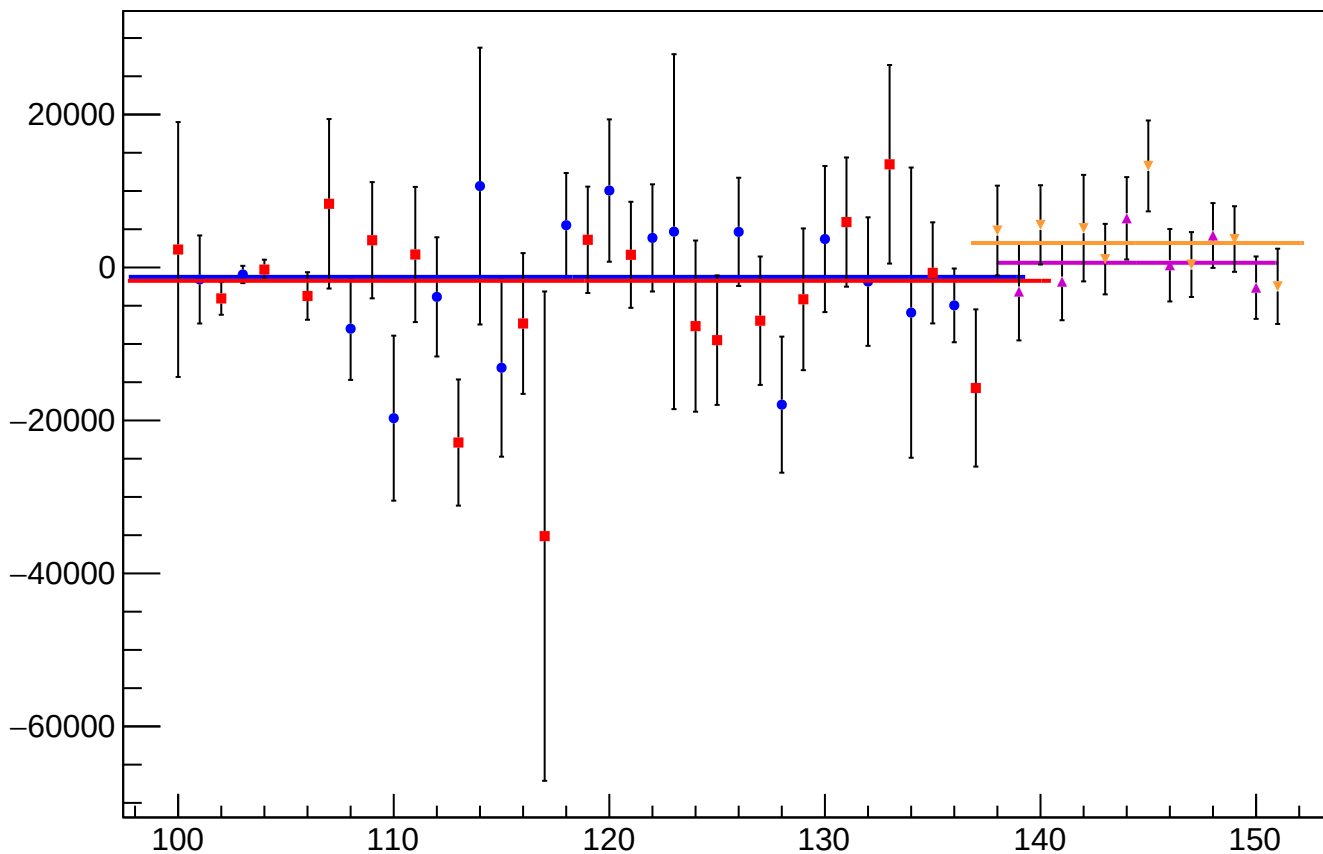
Left In: 1803.504+/-0.577 χ^2/NDF : 17219.7/5

1865.922+/-0.378 χ^2/NDF : 338953.7/24

1868.648+/-0.270 χ^2/NDF : 743773.7/50

1871.498+/-0.386 χ^2/NDF : 404713.5/25

asym_atl1r2_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 3200.408 $\pm$ 1785.978 χ^2 /NDF: 5.2/7

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

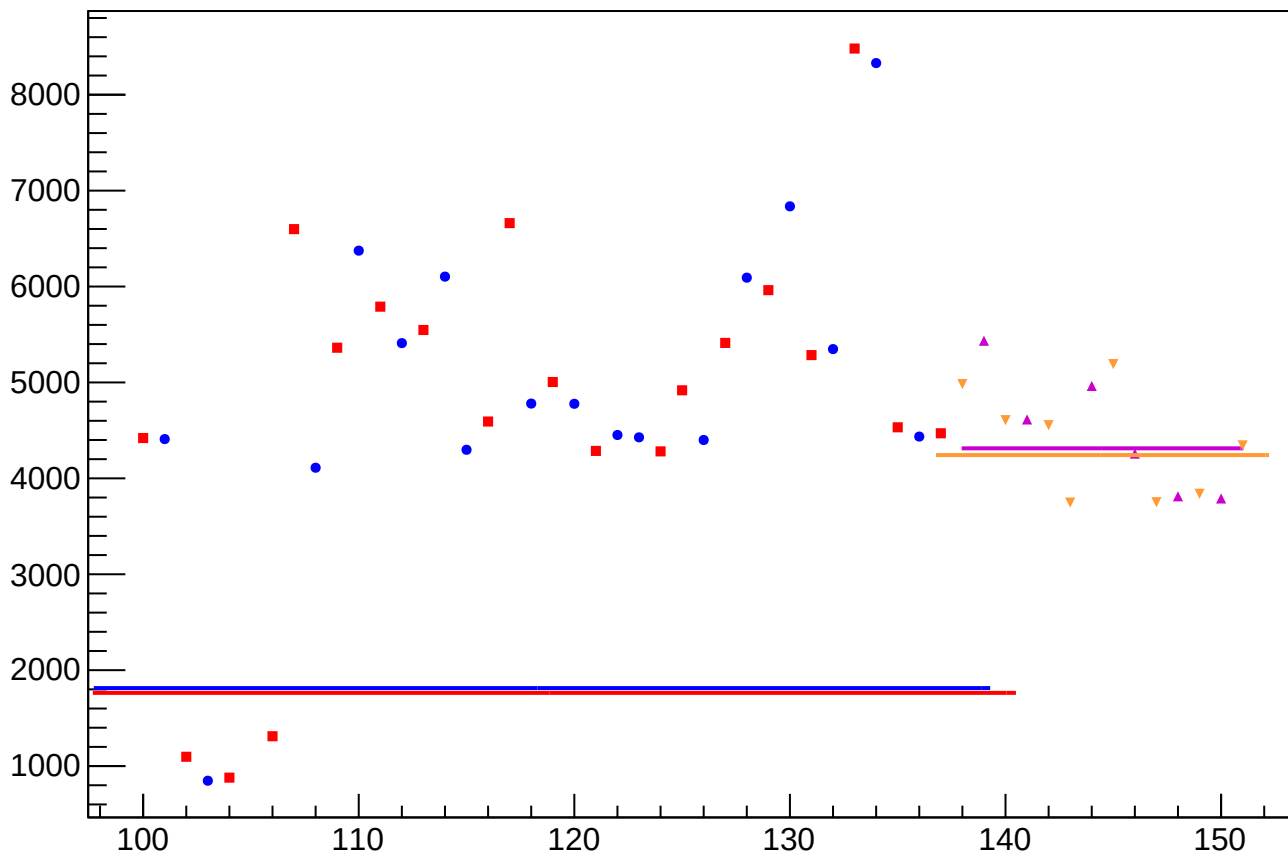
Left In: 615.359 $\pm$ 1966.110 χ^2 /NDF: 3.1/5

-194.967 $\pm$ 862.252 χ^2 /NDF: 23.8/24

-756.821 $\pm$ 604.936 χ^2 /NDF: 47.8/50

-1301.434 $\pm$ 848.920 χ^2 /NDF: 23.2/25

asym_atl1r2_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 4242.603+/-1.263 χ^2/NDF :165108.9/7

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

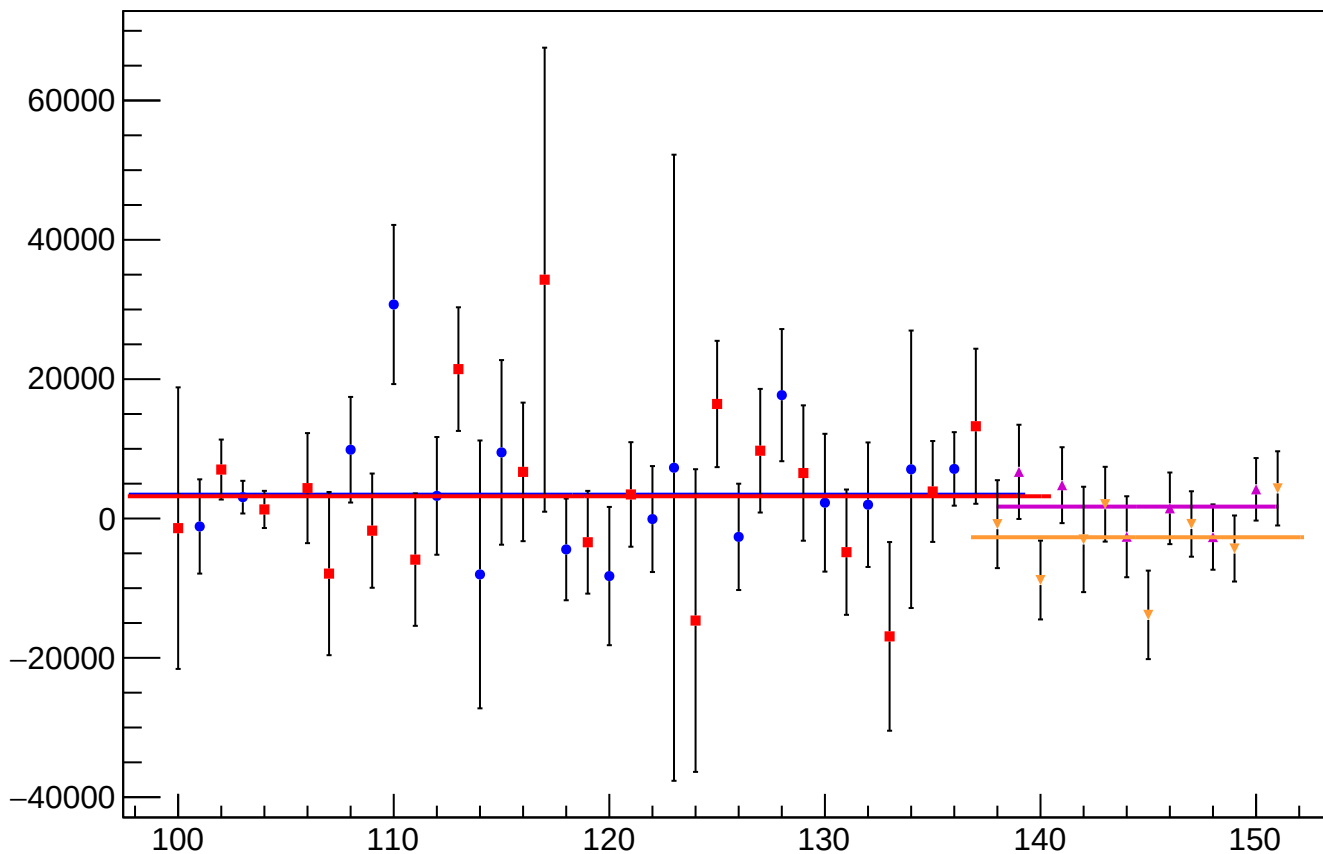
Left In: 4313.033+/-1.390 χ^2/NDF :158992.2/5

2379.456+/-0.610 χ^2/NDF : 9452228.4/24

2307.988+/-0.428 χ^2/NDF : 18734623.4/5

2238.712+/-0.600 χ^2/NDF : 9255336.3/25

asym_atl1r2_avg_mean vs Slug, Sign Corrected



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

Left Out: -2691.417+/-1967.224 χ^2/NDF : 7.1/7

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

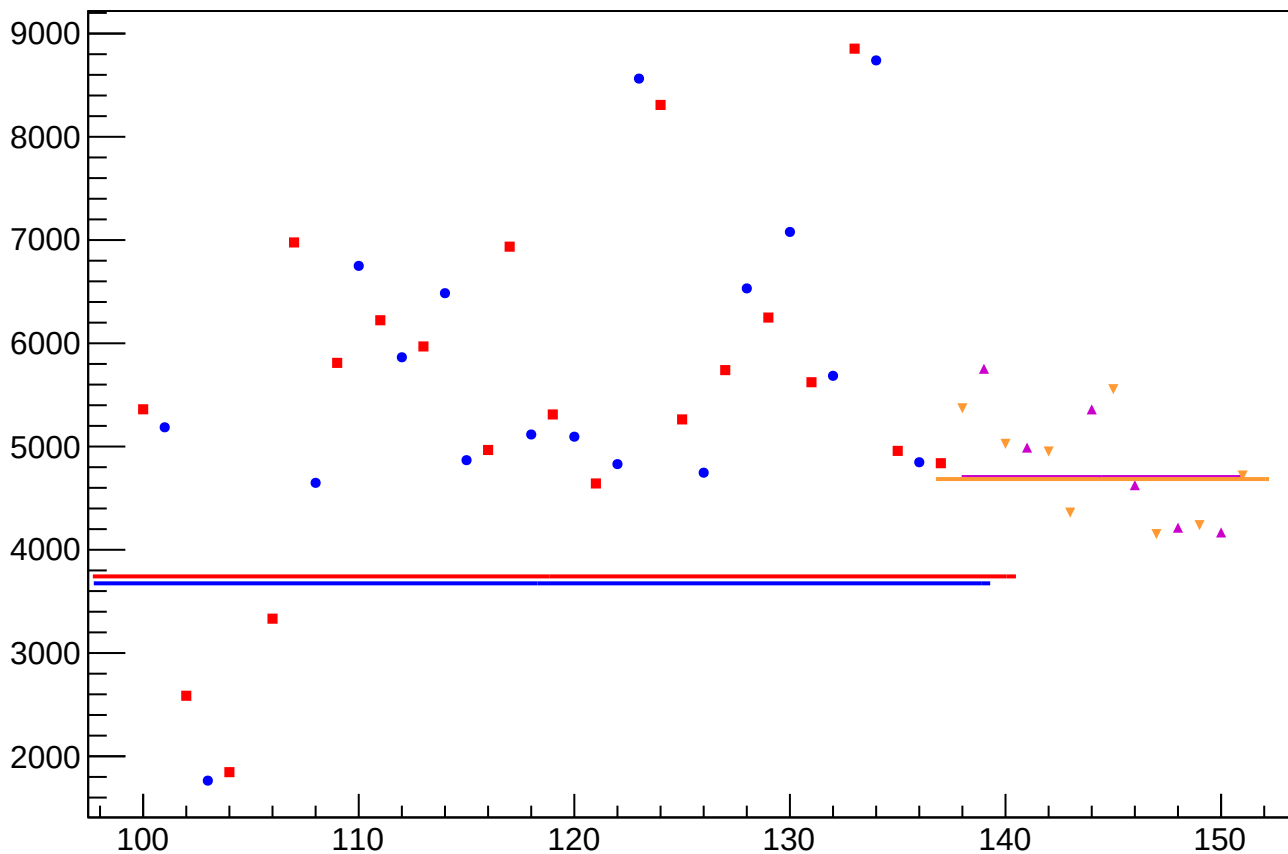
Left In: 1706.051+/-2140.712 χ^2/NDF : 2.6/5

975.377+/-1244.389 χ^2/NDF : 26.6/24

1789.818+/-893.482 χ^2/NDF : 47.3/50

2656.495+/-1283.675 χ^2/NDF : 19.8/25

asym_atl1r2_avg_rms vs Slug, Sign Corrected



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

Left Out: 4684.997 $\pm$ 1.391 χ^2 /NDF: 121844.8/7

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

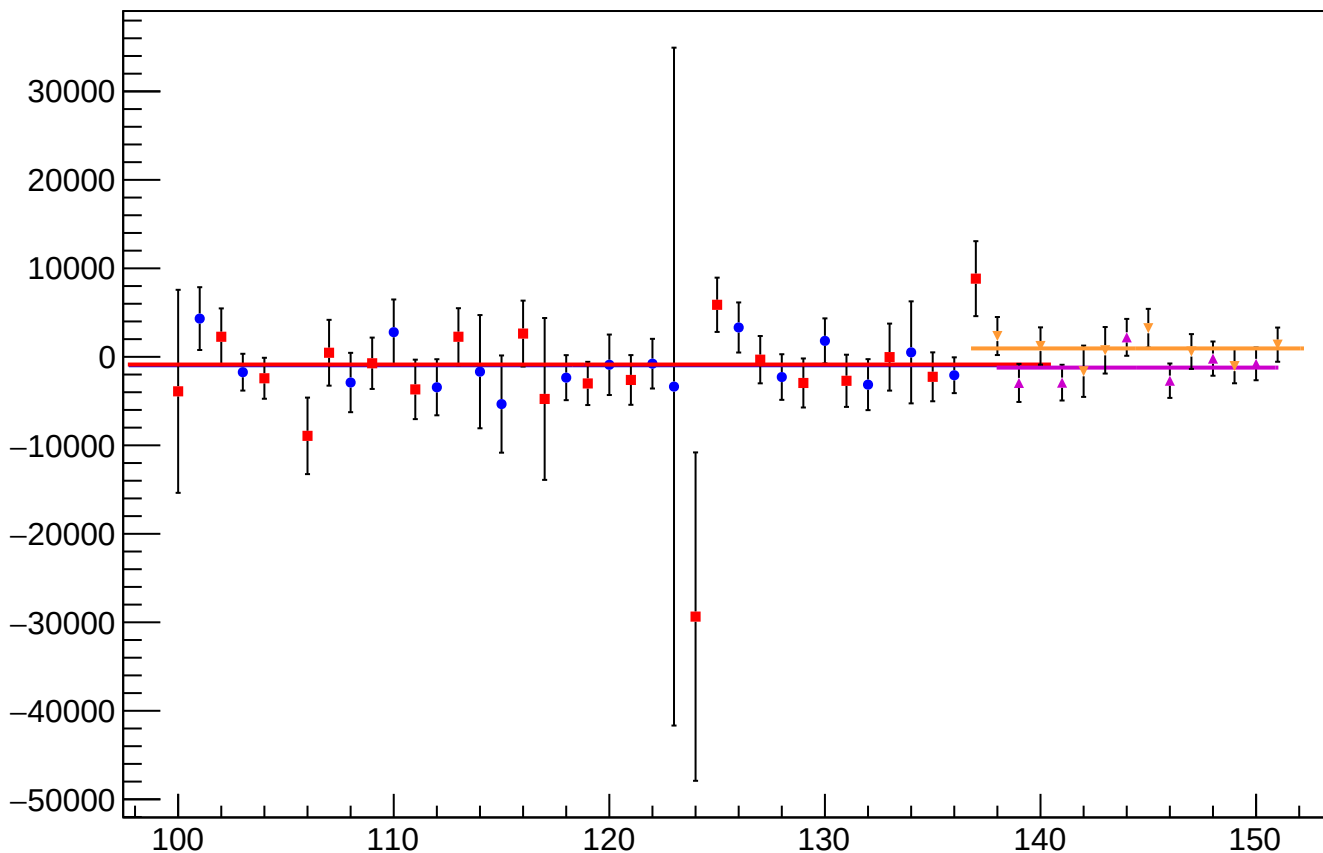
Left In: 4704.639 $\pm$ 1.514 χ^2 /NDF: 130009.9/5

4079.135 $\pm$ 0.880 χ^2 /NDF: 3213168.7/24

4082.126 $\pm$ 0.630 χ^2 /NDF: 6315740.2/50

4085.283 $\pm$ 0.904 χ^2 /NDF: 3102547.7/25

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



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

Left Out: 951.231 ± 765.874 $\chi^2/\text{NDF}: 3.5/7$

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

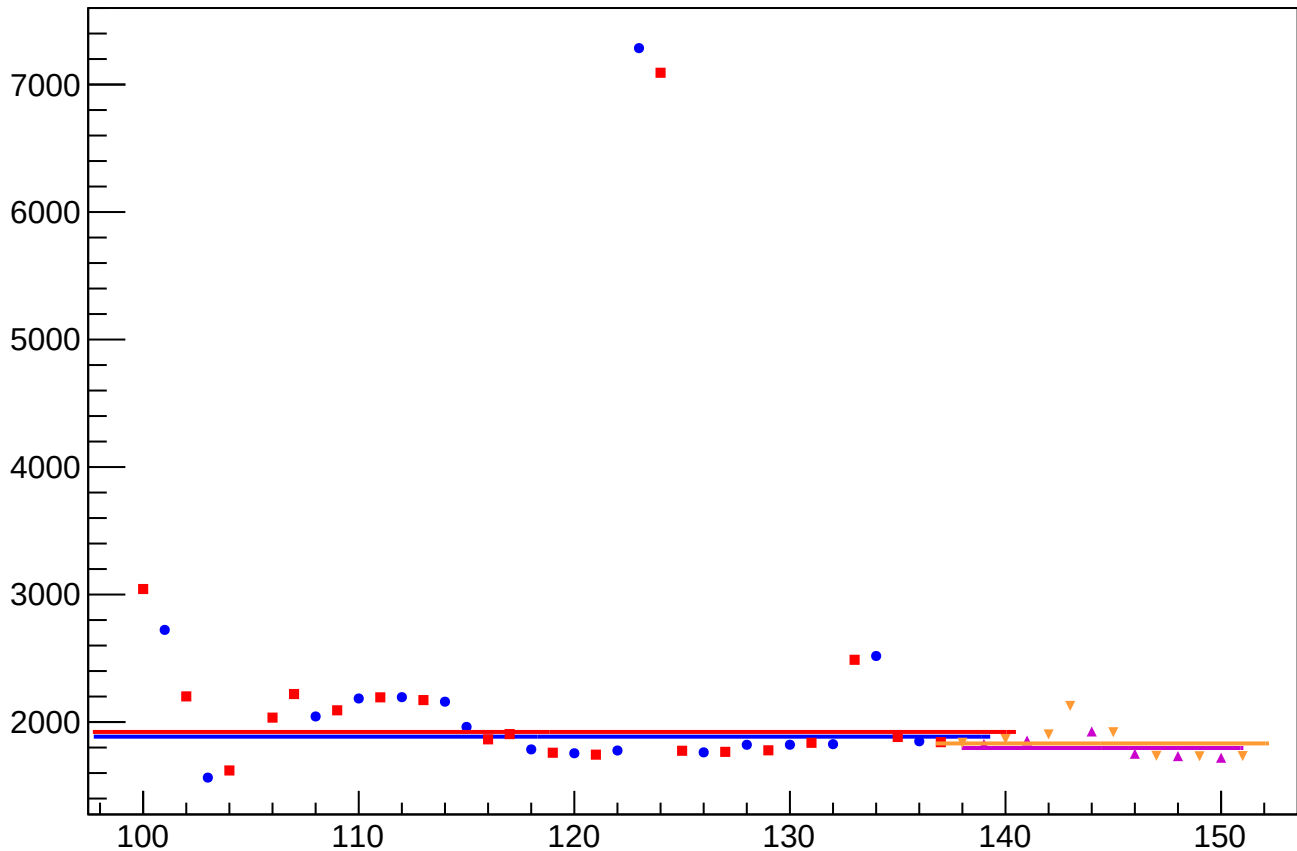
Left In: -1216.382 ± 812.172 $\chi^2/\text{NDF}: 5.0/5$

-31.897 ± 532.420 $\chi^2/\text{NDF}: 16.6/24$

-516.994 ± 380.857 $\chi^2/\text{NDF}: 46.1/50$

-1025.335 ± 545.027 $\chi^2/\text{NDF}: 27.8/25$

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1885.360 ± 0.524 $\chi^2/\text{NDF}: 280429.0/16$

Left Out: 1832.176 ± 0.542 $\chi^2/\text{NDF}: 45498.4/7$

Right Out: 1922.430 ± 0.519 $\chi^2/\text{NDF}: 351518.8/19$

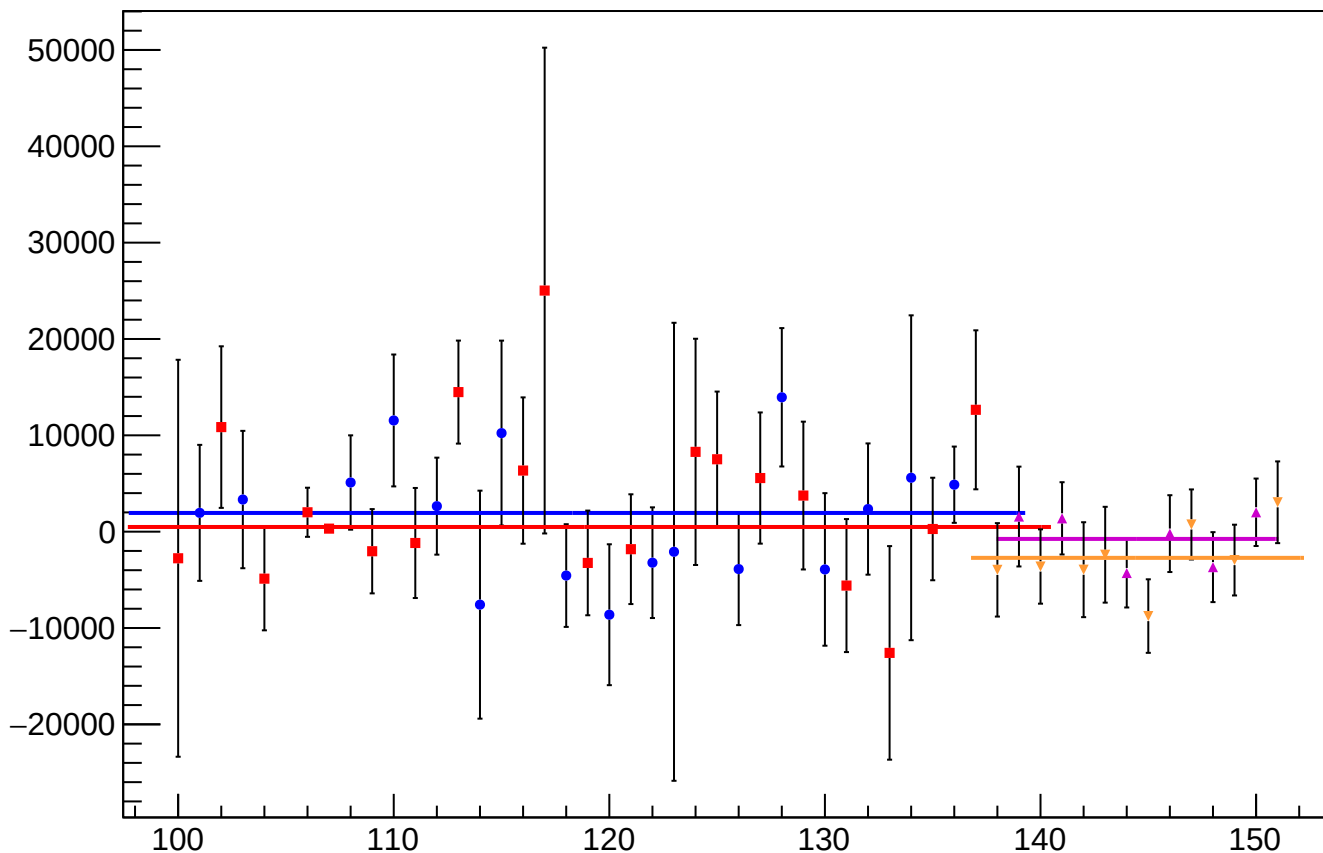
Left In: 1796.397 ± 0.574 $\chi^2/\text{NDF}: 16499.5/5$

1859.658 ± 0.376 $\chi^2/\text{NDF}: 330911.0/24$

1862.644 ± 0.269 $\chi^2/\text{NDF}: 725567.7/50$

1865.769 ± 0.385 $\chi^2/\text{NDF}: 394527.9/25$

asym_atl1r2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1943.178+/-1581.060 χ^2/NDF : 13.2/16

Left Out: -2718.350+/-1466.003 χ^2/NDF : 5.5/7

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

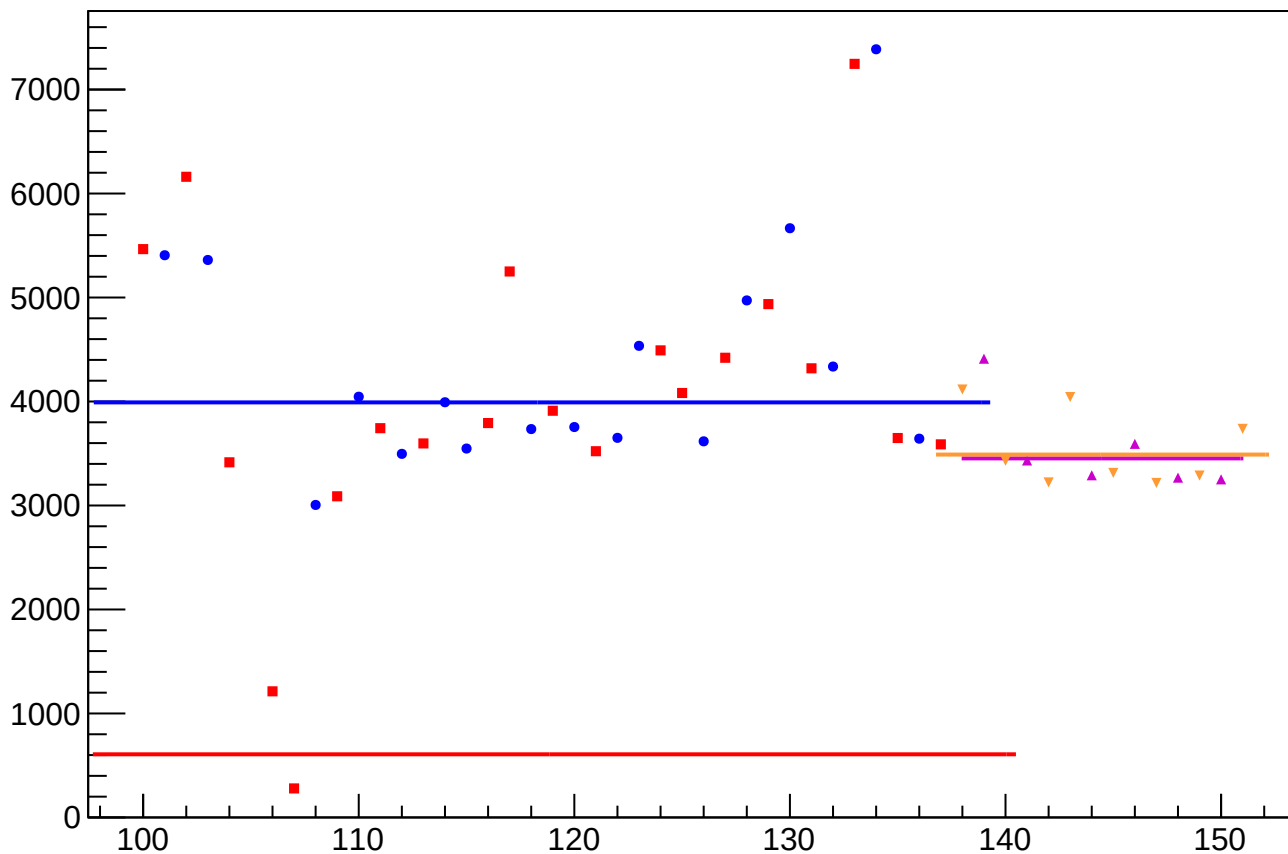
Left In: -752.585+/-1567.865 χ^2/NDF : 2.8/5

-563.355+/-1074.998 χ^2/NDF : 23.3/24

256.366+/-403.827 χ^2/NDF : 46.4/50

391.047+/-435.741 χ^2/NDF : 22.4/25

asym_atl1r2_dd_correction_rms vs Slug, Sign Corrected



Right In: 3991.416 $\pm$ 1.118 χ^2 /NDF: 510782.7/16

Left Out: 3489.690 $\pm$ 1.037 χ^2 /NDF: 92766.8/7

Right Out: 607.234 $\pm$ 0.321 χ^2 /NDF: 10314440.1/19

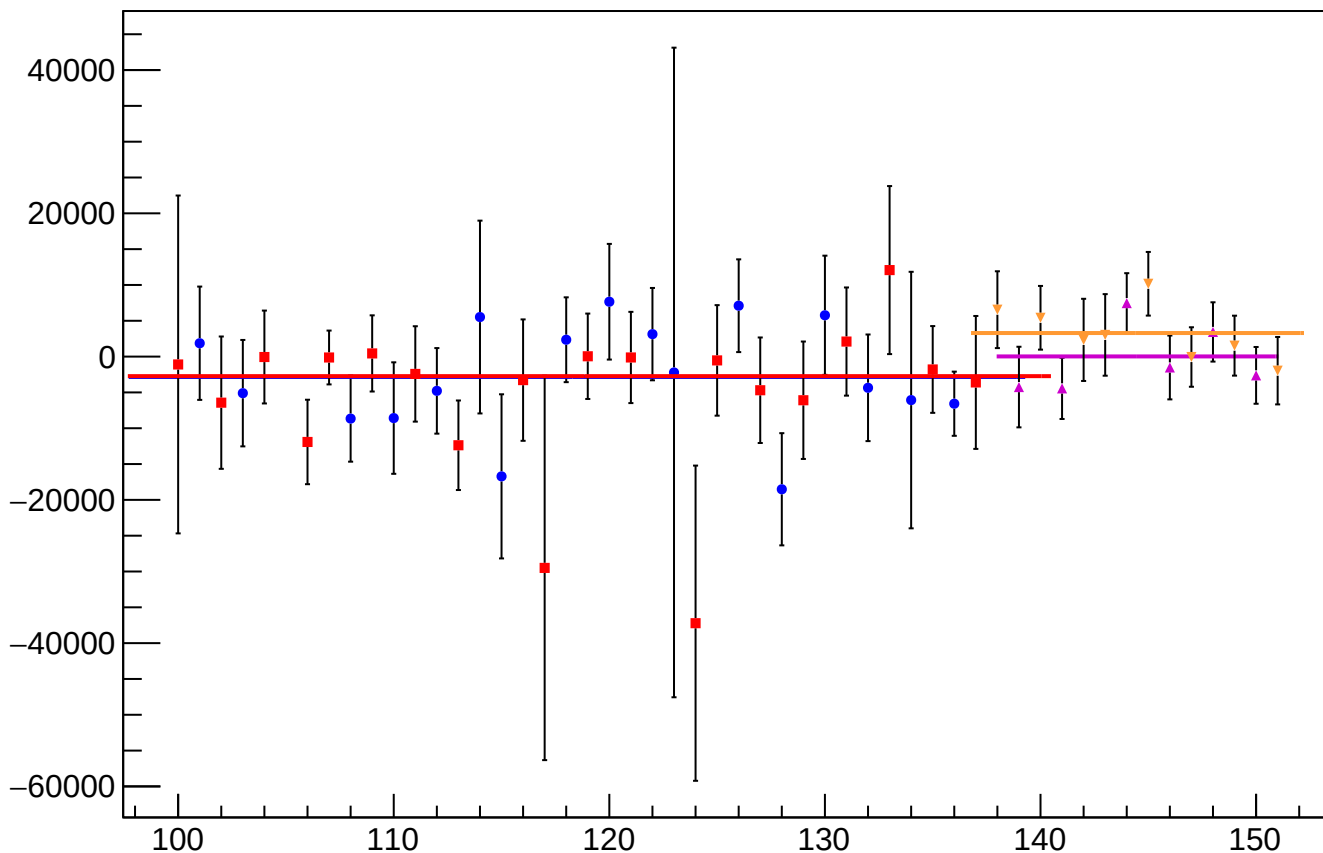
Left In: 3452.791 $\pm$ 1.109 χ^2 /NDF: 86961.0/5

3721.635 $\pm$ 0.760 χ^2 /NDF: 711845.6/24

1235.499 $\pm$ 0.286 χ^2 /NDF: 29646911.0/5

827.023 $\pm$ 0.308 χ^2 /NDF: 16480454.6/25

asym_atl1r2_dd_mean vs Slug, Sign Corrected



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

Left Out: 3290.358+/-1672.522 χ^2/NDF : 5.1/7

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

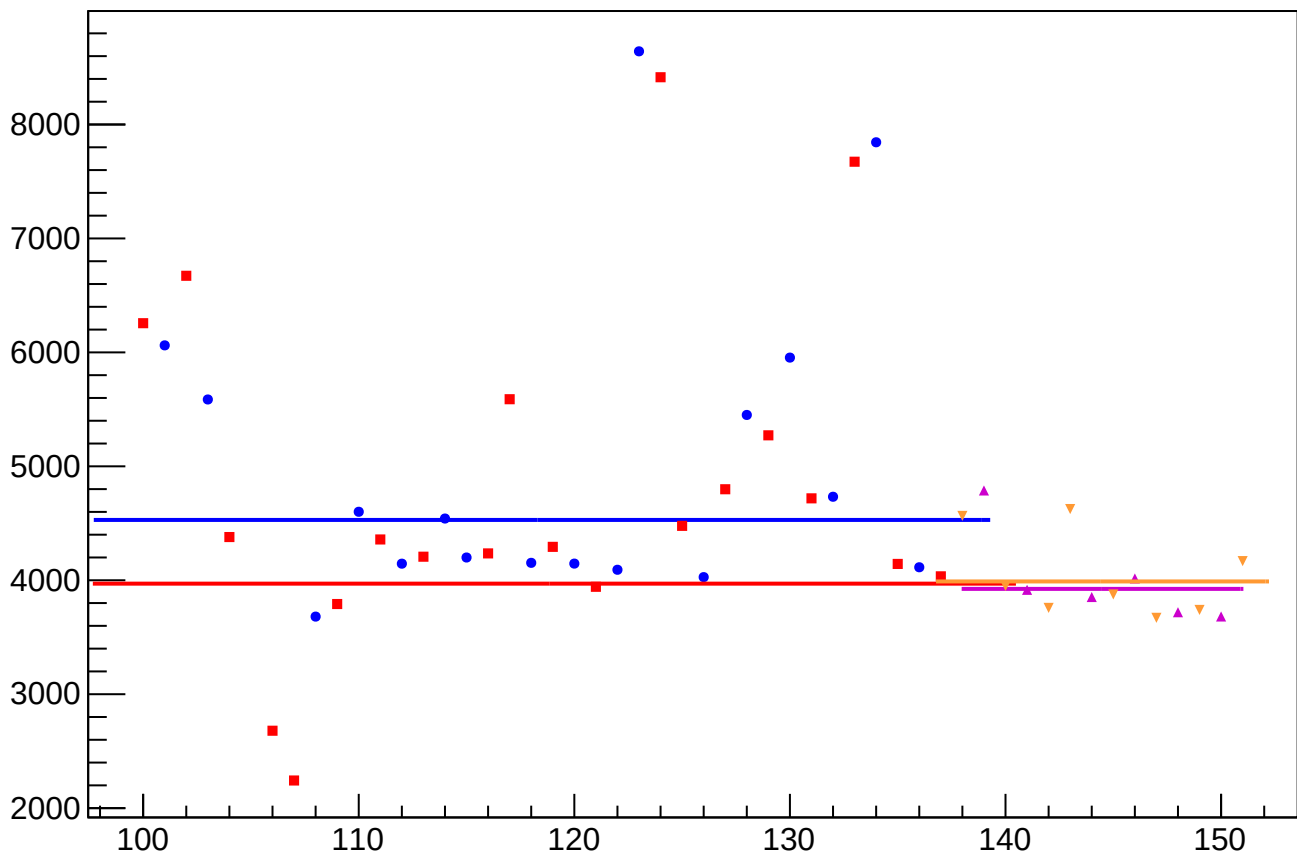
Left In: 24.536+/-1778.702 χ^2/NDF : 6.1/5

426.327+/-1220.805 χ^2/NDF : 26.8/24

-582.161+/-847.728 χ^2/NDF : 47.7/50

-1521.283+/-1178.072 χ^2/NDF : 19.6/25

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4529.462 $\pm$ 1.263 χ^2 /NDF: 389326.2/16

Left Out: 3989.685 $\pm$ 1.183 χ^2 /NDF: 74511.0/7

Right Out: 3970.336 $\pm$ 1.105 χ^2 /NDF: 1147711.9/19

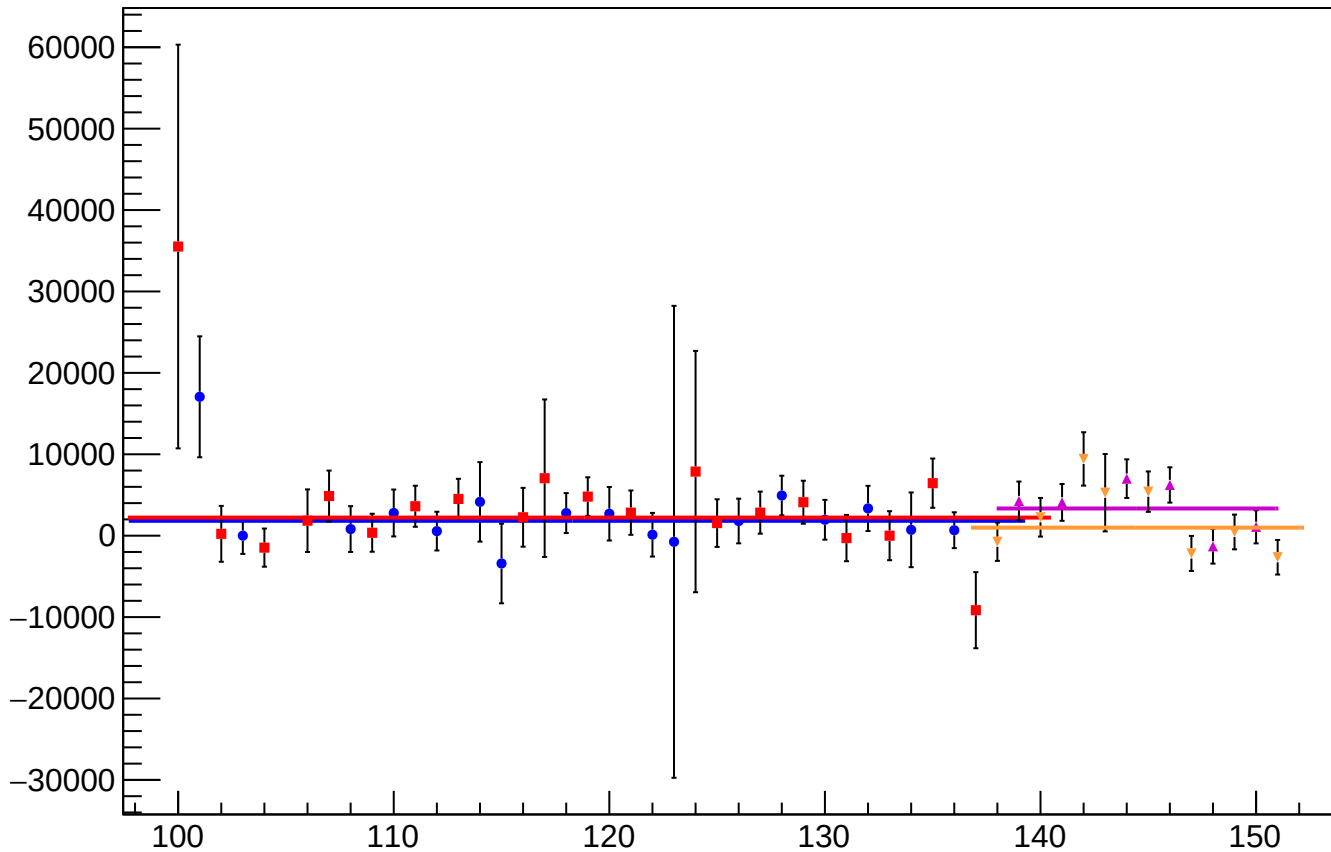
Left In: 3924.346 $\pm$ 1.258 χ^2 /NDF: 60953.0/5

4241.878 $\pm$ 0.863 χ^2 /NDF: 561164.6/24

4090.376 $\pm$ 0.598 χ^2 /NDF: 1829863.5/50

3950.306 $\pm$ 0.830 χ^2 /NDF: 1209419.7/25

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1830.102+/-711.335 χ^2/NDF : 9.7/16

Left Out: 989.320+/-871.832 χ^2/NDF : 16.6/7

Right Out: 2222.274+/-682.500 χ^2/NDF : 18.6/19

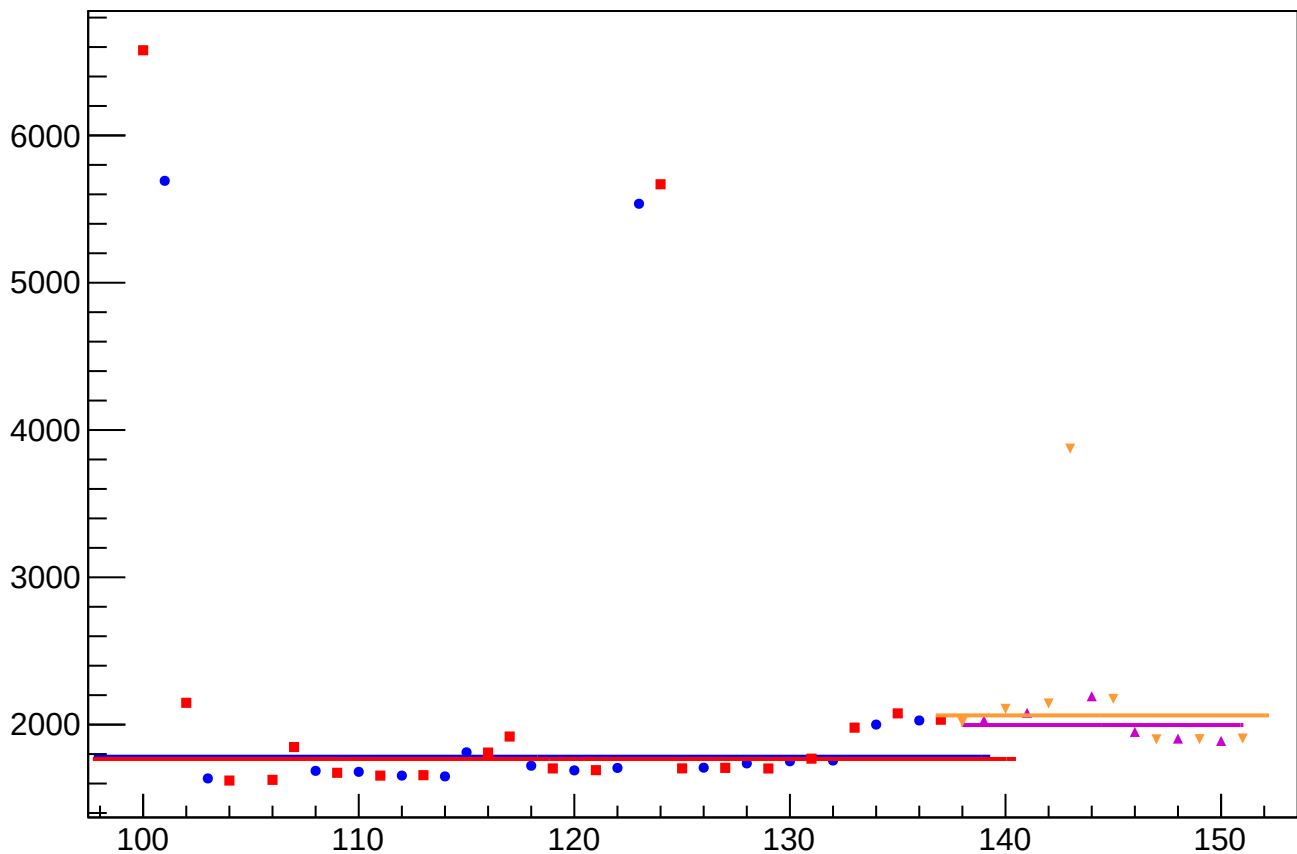
Left In: 3340.348+/-903.573 χ^2/NDF : 10.4/5

1494.080+/-551.156 χ^2/NDF : 26.8/24

2068.044+/-387.388 χ^2/NDF : 59.0/50

2628.440+/-544.602 χ^2/NDF : 30.0/25

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1782.137+/-0.503 χ^2/NDF : 645188.8/16

Left Out: 2062.700+/-0.616 χ^2/NDF : 330881.5/7

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

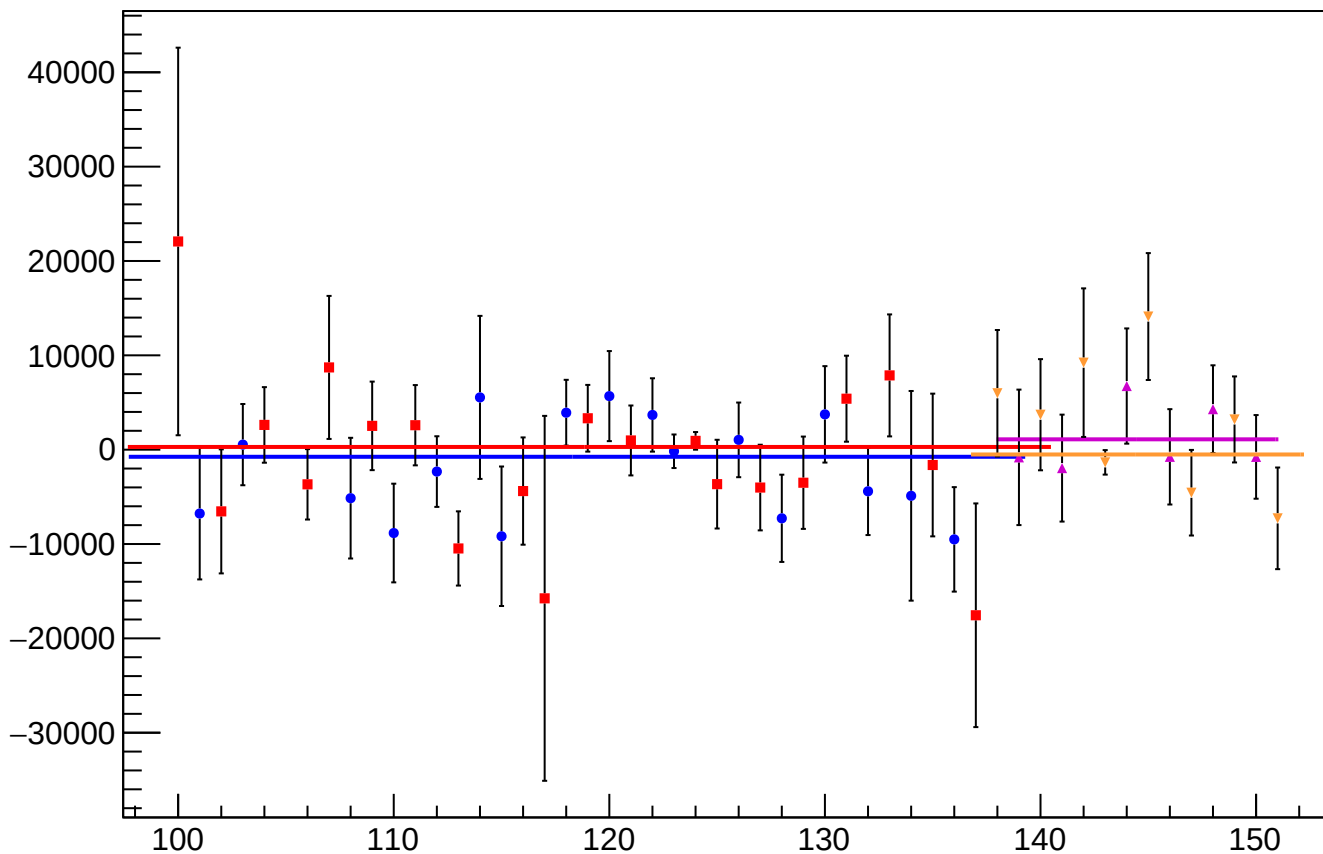
Left In: 1997.105+/-0.639 χ^2/NDF : 26873.9/5

1894.265+/-0.390 χ^2/NDF : 1100414.7/24

1871.611+/-0.273 χ^2/NDF : 1524433.7/50

1849.685+/-0.383 χ^2/NDF : 417369.9/25

asym_atr1l2_avg_correction_mean vs Slug, Sign Corrected



Right In: -753.428 ± 1008.523 $\chi^2/\text{NDF}: 16.9/16$

Left Out: -509.436 ± 1108.981 $\chi^2/\text{NDF}: 11.2/7$

Right Out: 288.847 ± 724.622 $\chi^2/\text{NDF}: 22.7/19$

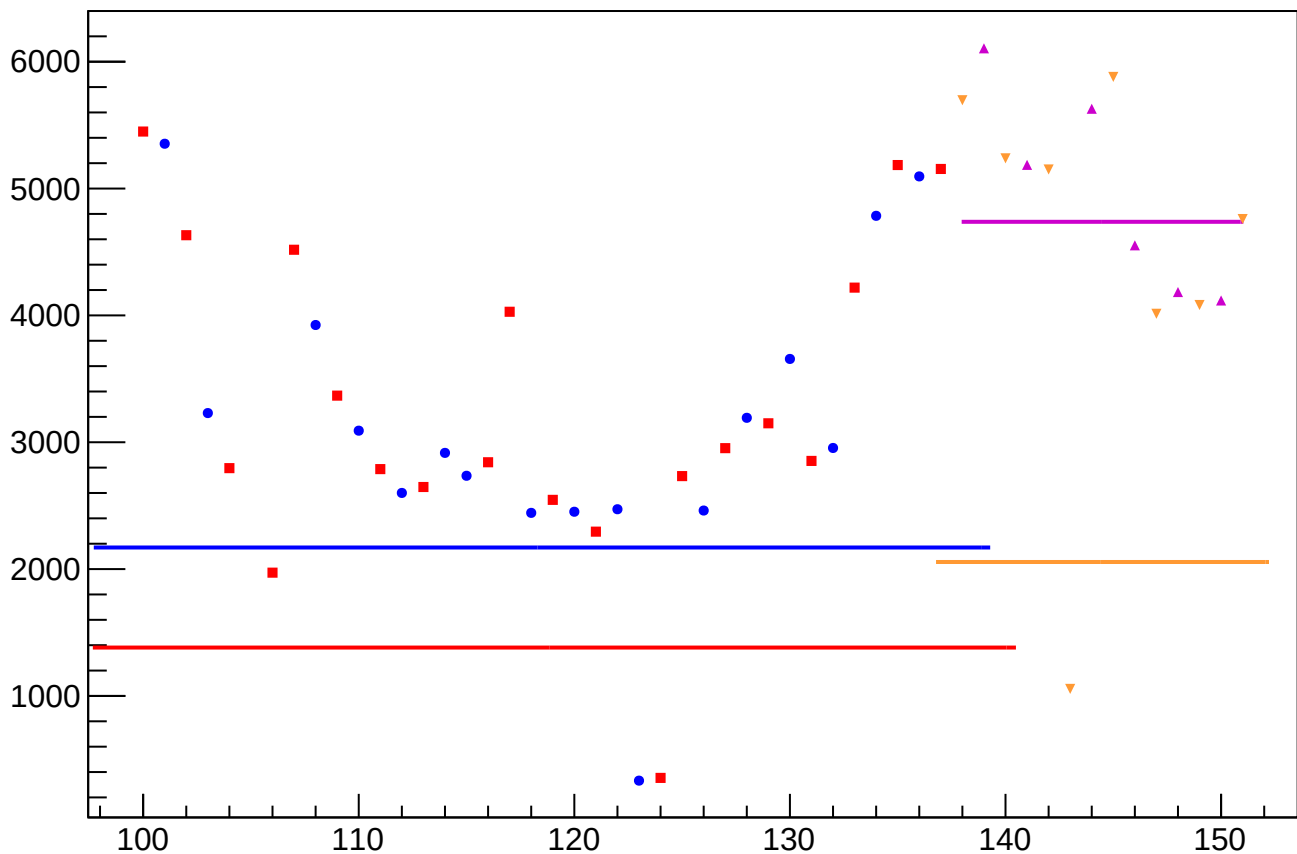
Left In: 1096.339 ± 2163.587 $\chi^2/\text{NDF}: 2.0/5$

-642.981 ± 746.127 $\chi^2/\text{NDF}: 28.1/24$

-94.694 ± 505.438 $\chi^2/\text{NDF}: 53.9/50$

370.288 ± 687.110 $\chi^2/\text{NDF}: 24.8/25$

asym_atr1l2_avg_correction_rms vs Slug, Sign Corrected



Right In: 2170.242+/-0.713 χ^2/NDF : 3973725.5/16

Left Out: 2055.977+/-0.784 χ^2/NDF : 4586378.8/7

Right Out: 1381.438+/-0.512 χ^2/NDF : 6884822.3/19

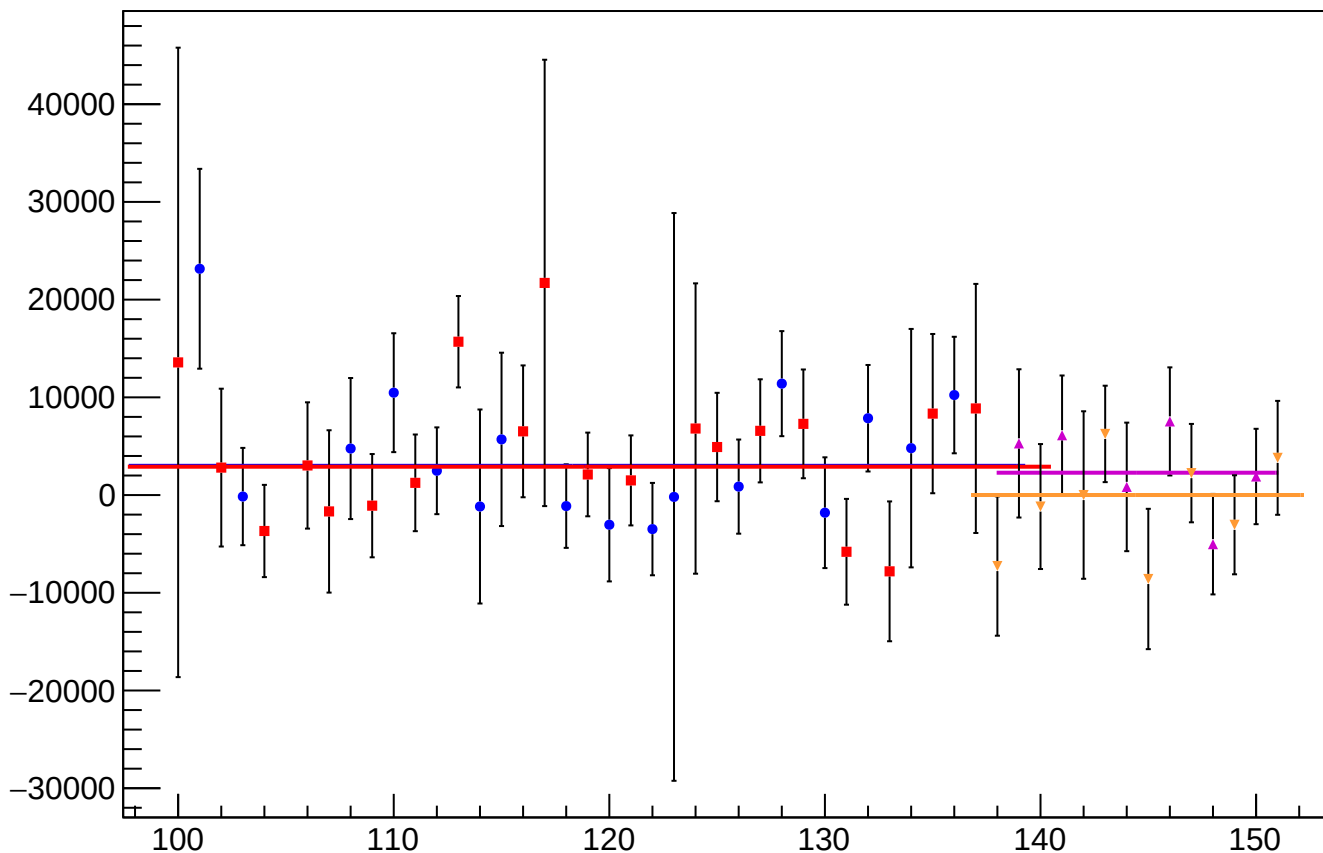
Left In: 4737.842+/-1.530 χ^2/NDF : 197930.8/5

2118.518+/-0.528 χ^2/NDF : 8571725.8/24

1902.852+/-0.357 χ^2/NDF : 20291000.3/5

1719.953+/-0.486 χ^2/NDF : 11410467.9/25

asym_atr1l2_avg_mean vs Slug, Sign Corrected



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

Left Out: 5.782 $\pm$ 2103.364 χ^2 /NDF: 5.1/7

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

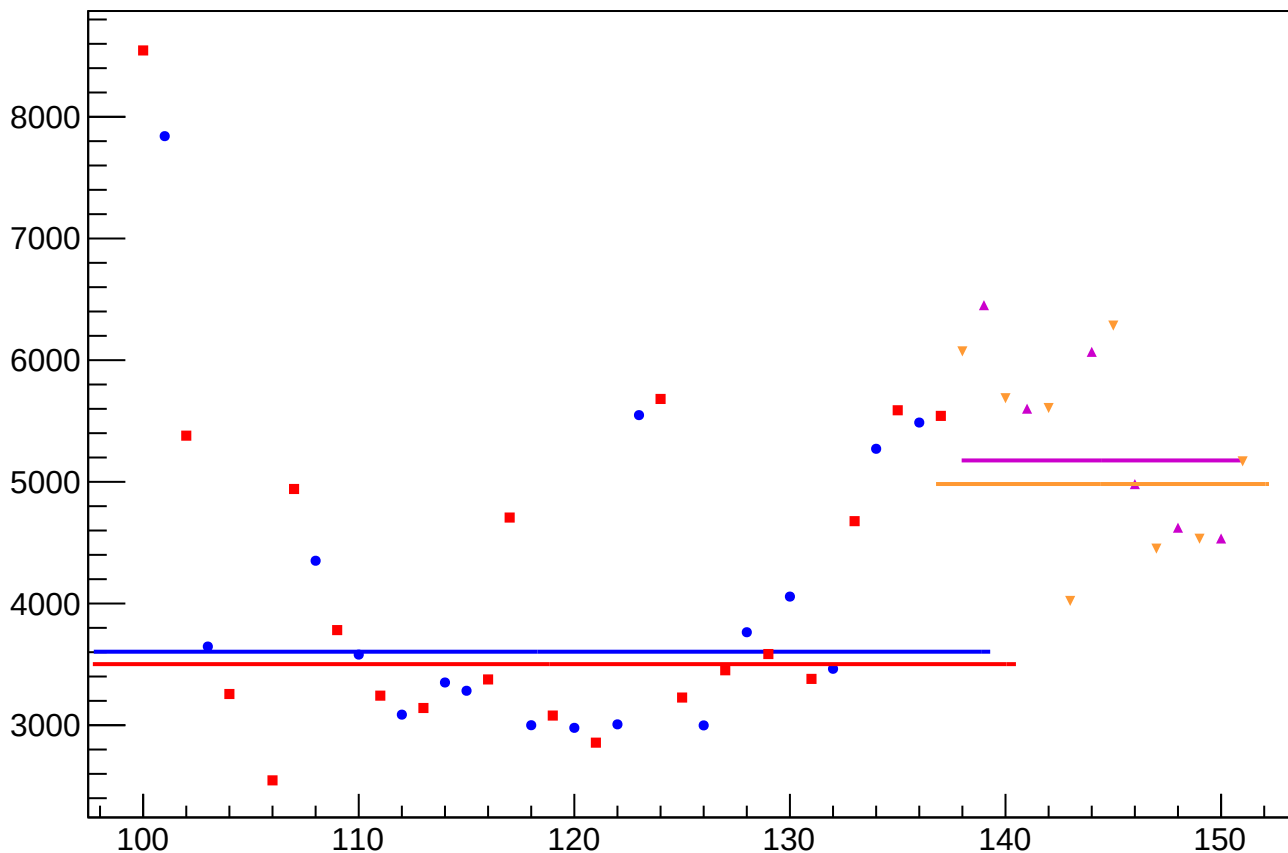
Left In: 2287.332 $\pm$ 2358.819 χ^2 /NDF: 3.5/5

2033.073 $\pm$ 1192.258 χ^2 /NDF: 22.2/24

2390.442 $\pm$ 841.879 χ^2 /NDF: 44.3/50

2745.827 $\pm$ 1188.943 χ^2 /NDF: 22.0/25

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3603.930 $\pm$ 1.023 χ^2/NDF : 784674.5/16

Left Out: 4982.140 $\pm$ 1.487 χ^2/NDF : 263349.8/7

Right Out: 3501.857 $\pm$ 0.960 χ^2/NDF : 667483.1/19

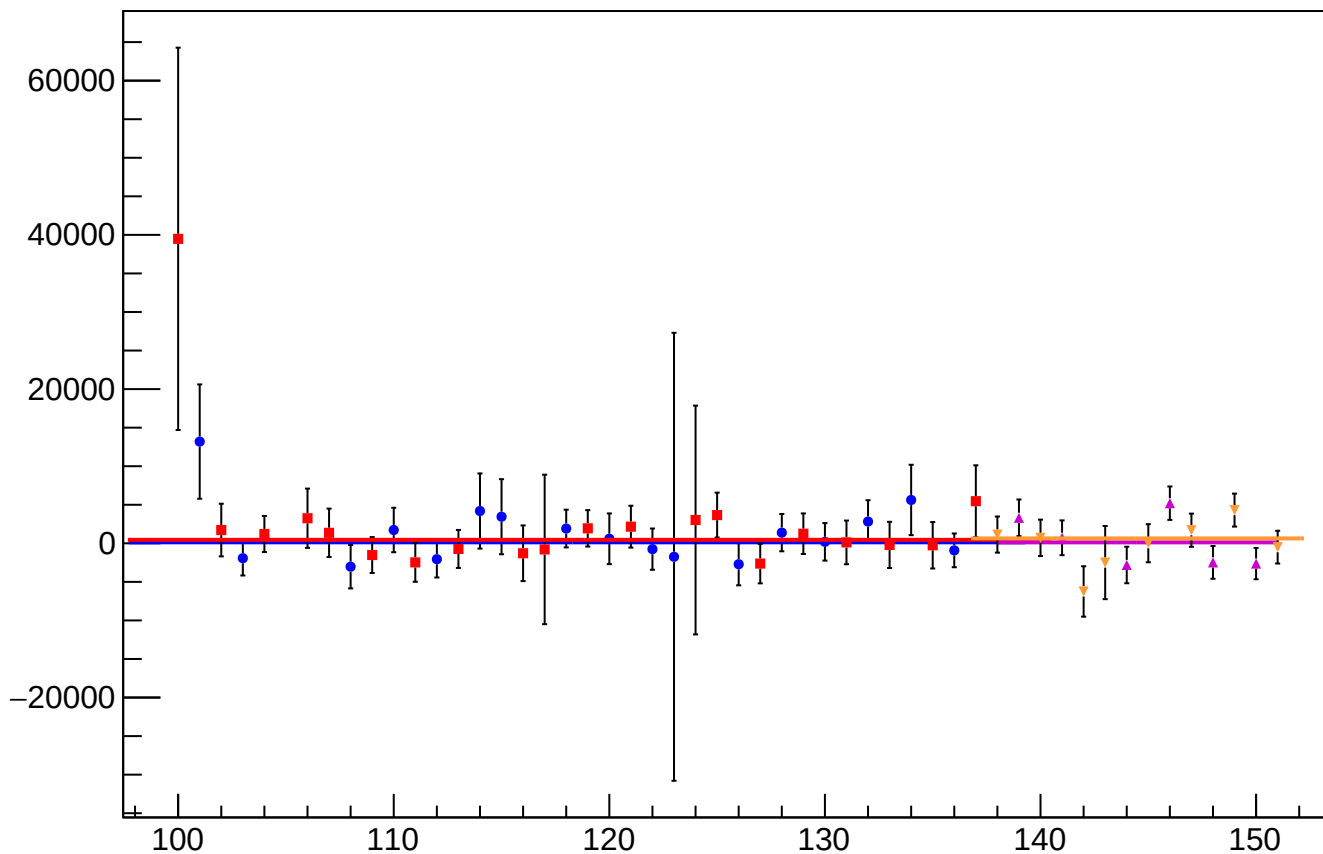
Left In: 5175.978 $\pm$ 1.668 χ^2/NDF : 163229.4/5

4046.746 $\pm$ 0.843 χ^2/NDF : 1630813.2/24

3981.721 $\pm$ 0.592 χ^2/NDF : 3230040.3/50

3918.393 $\pm$ 0.832 χ^2/NDF : 1587484.1/25

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



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

Left Out: 637.787 $\pm$ 870.365 χ^2 /NDF:8.5/7

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

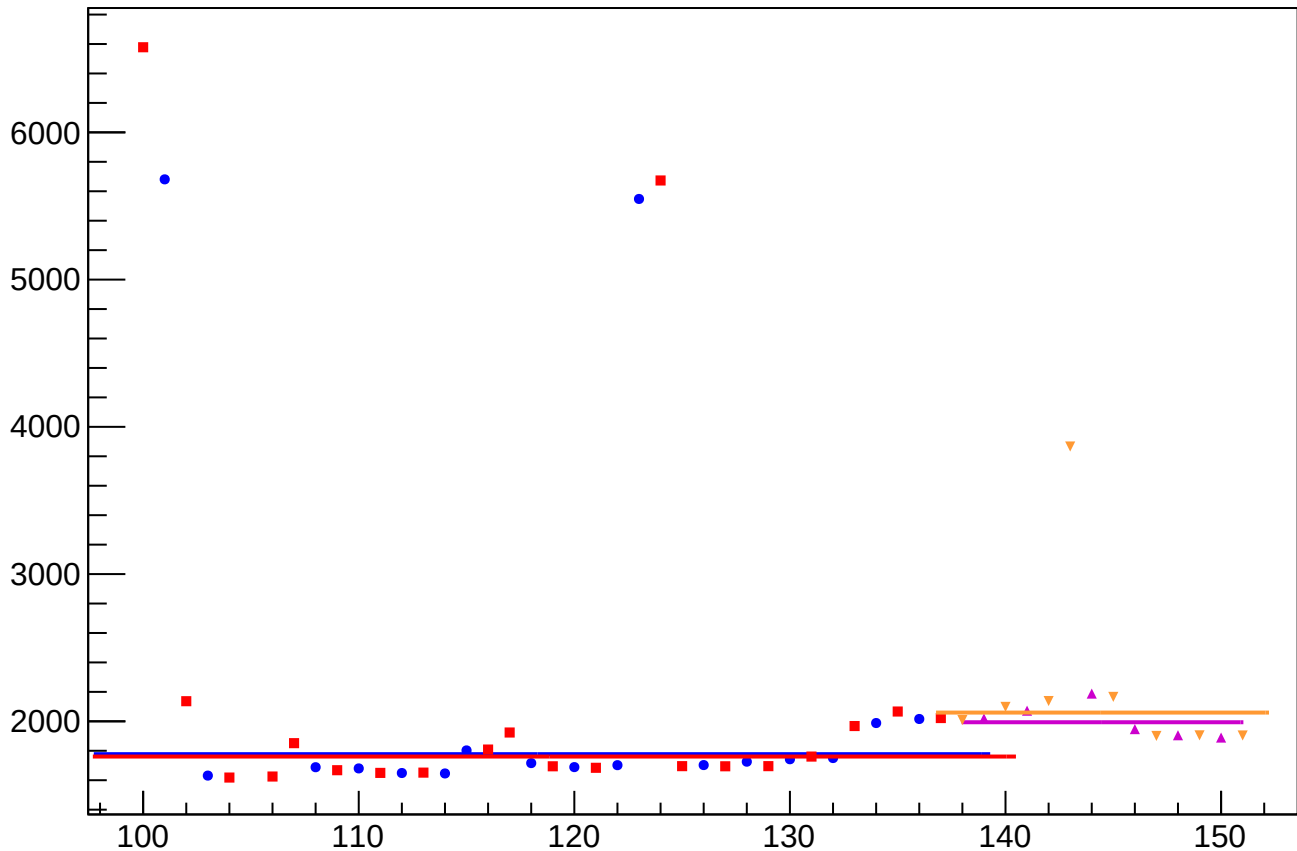
Left In: 124.535 $\pm$ 901.961 χ^2 /NDF:12.2/5

333.168 $\pm$ 549.795 χ^2 /NDF: 20.8/24

333.512 $\pm$ 386.361 χ^2 /NDF: 43.9/50

333.847 $\pm$ 543.060 χ^2 /NDF: 23.1/25

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1776.879 ± 0.501 $\chi^2/\text{NDF}: 643576.8/16$

Left Out: 2059.445 ± 0.615 $\chi^2/\text{NDF}: 328524.9/7$

Right Out: 1760.787 ± 0.478 $\chi^2/\text{NDF}: 306724.5/19$

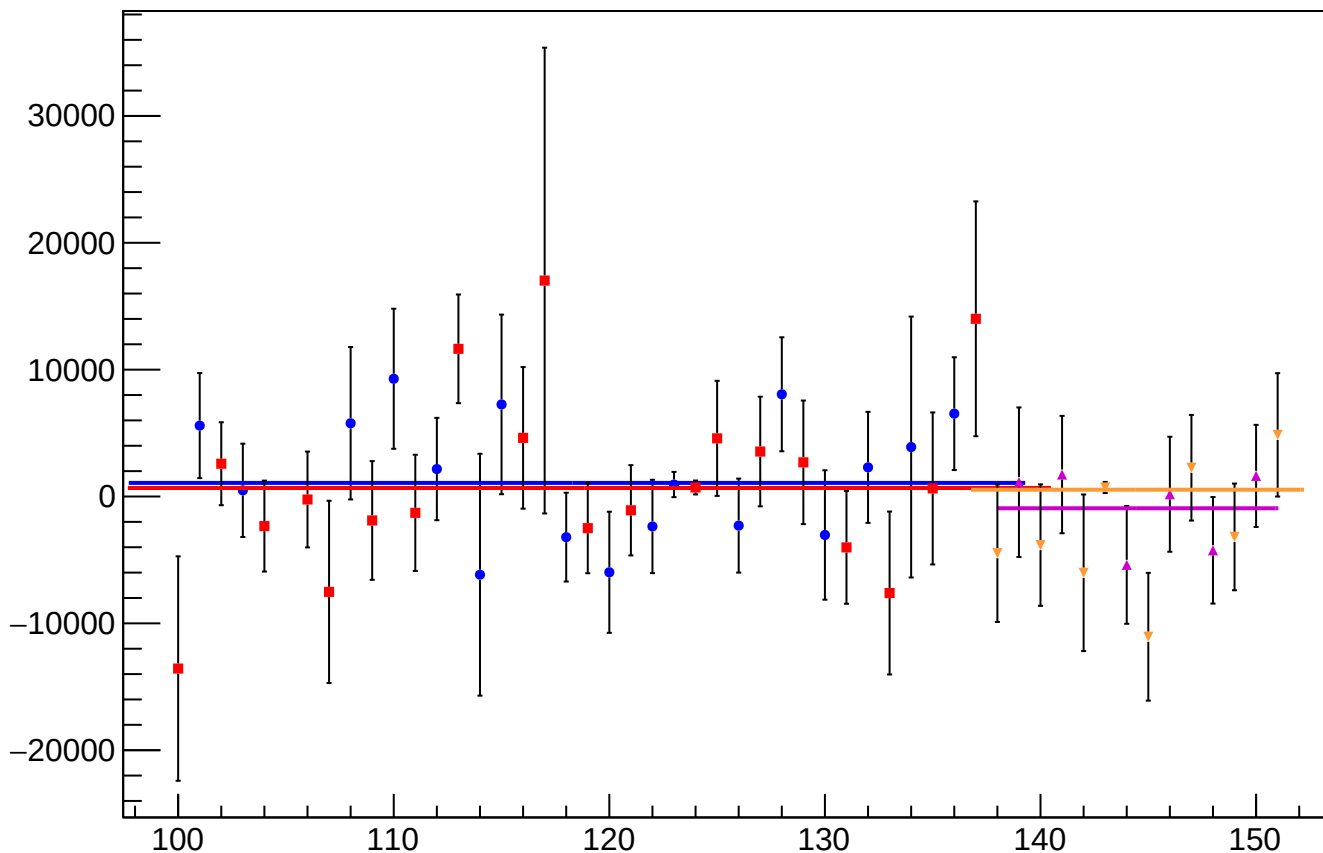
Left In: 1993.719 ± 0.638 $\chi^2/\text{NDF}: 25785.4/5$

1889.630 ± 0.389 $\chi^2/\text{NDF}: 1098786.8/24$

1866.688 ± 0.273 $\chi^2/\text{NDF}: 1523598.5/50$

1844.498 ± 0.382 $\chi^2/\text{NDF}: 417960.8/25$

asym_atr1l2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1072.194 $\pm$ 752.280 χ^2 /NDF: 15.6/16

Left Out: 535.393 $\pm$ 426.754 χ^2 /NDF:10.0/7

Right Out: 670.313 $\pm$ 487.861 χ^2 /NDF: 20.6/19

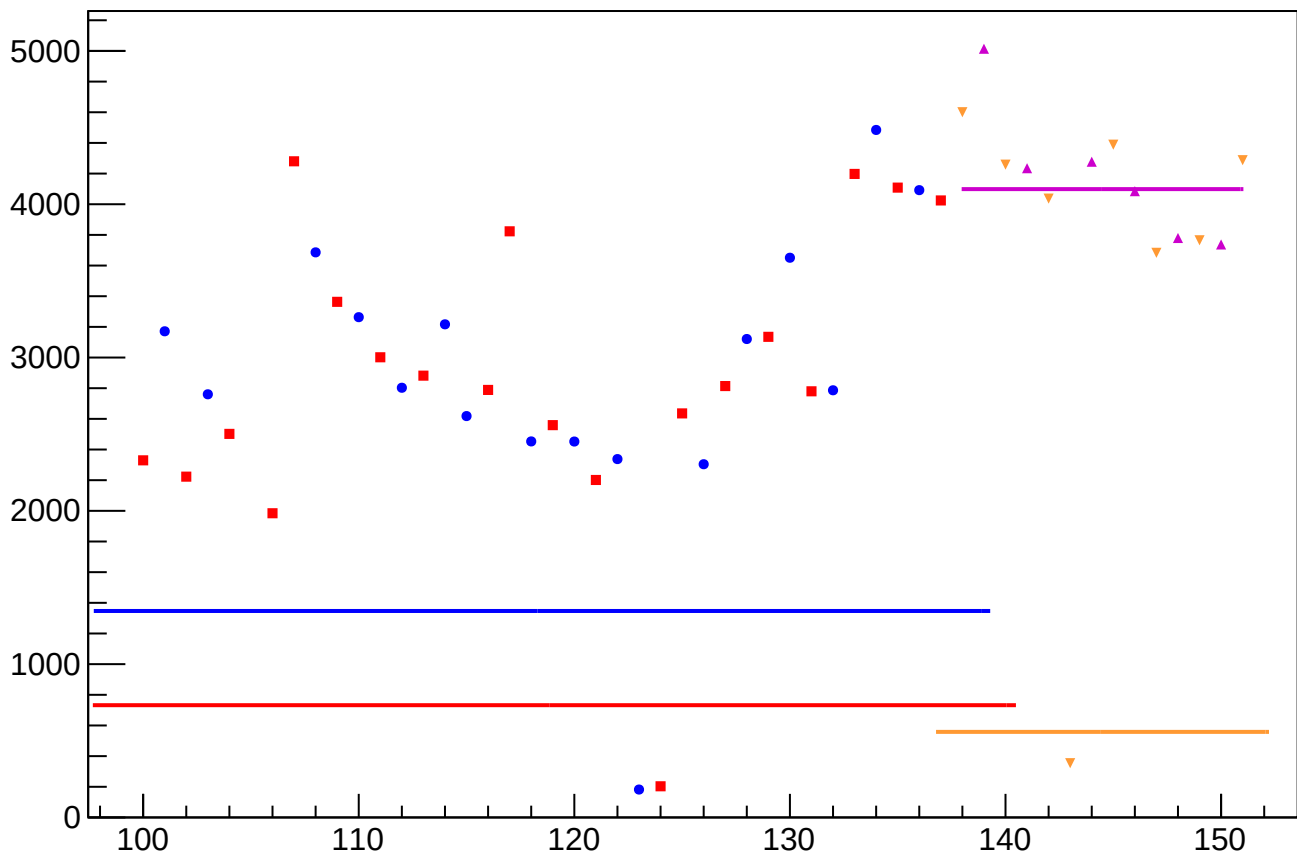
Left In: -927.939 $\pm$ 1860.235 χ^2 /NDF:2.5/5

666.083 $\pm$ 371.187 χ^2 /NDF: 26.0/24

628.387 $\pm$ 291.749 χ^2 /NDF: 49.7/50

567.460 $\pm$ 471.903 χ^2 /NDF: 23.7/25

asym_atr1l2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1346.836 $\pm$ 0.532 χ^2/NDF : 6839112.6/16

Left Out: 558.229 $\pm$ 0.302 χ^2/NDF : 7997043.4/7

Right Out: 732.303 $\pm$ 0.345 χ^2/NDF : 9559853.6/19

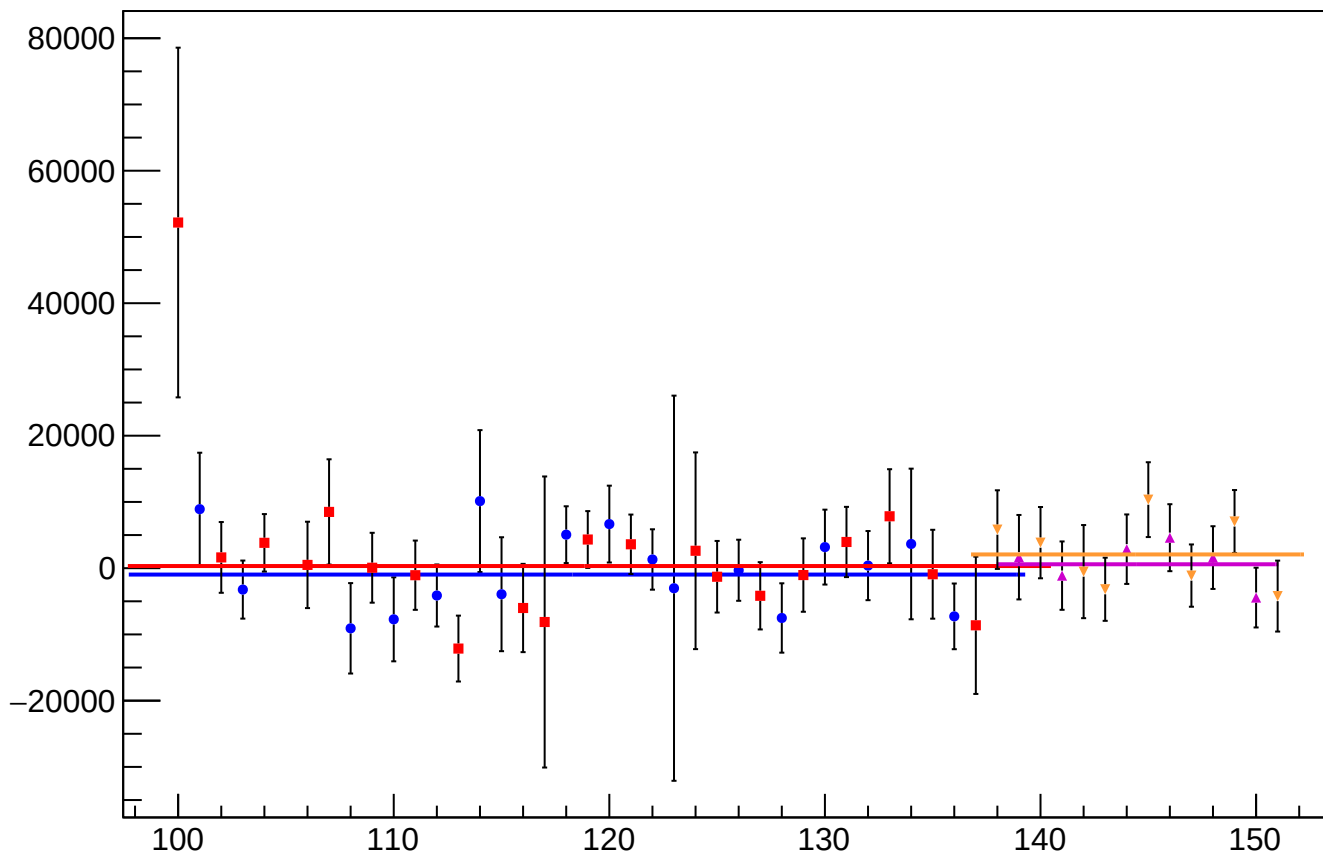
Left In: 4098.651 $\pm$ 1.315 χ^2/NDF : 80621.3/5

750.223 $\pm$ 0.262 χ^2/NDF : 16498897.1/24

826.176 $\pm$ 0.206 χ^2/NDF : 32486536.0/50

948.938 $\pm$ 0.334 χ^2/NDF : 15768550.5/25

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -964.151 ± 1395.626 χ^2/NDF : 13.7/16

Left Out: 2074.738 ± 1879.789 χ^2/NDF : 6.9/7

Right Out: 323.694 ± 1327.331 χ^2/NDF : 17.8/19

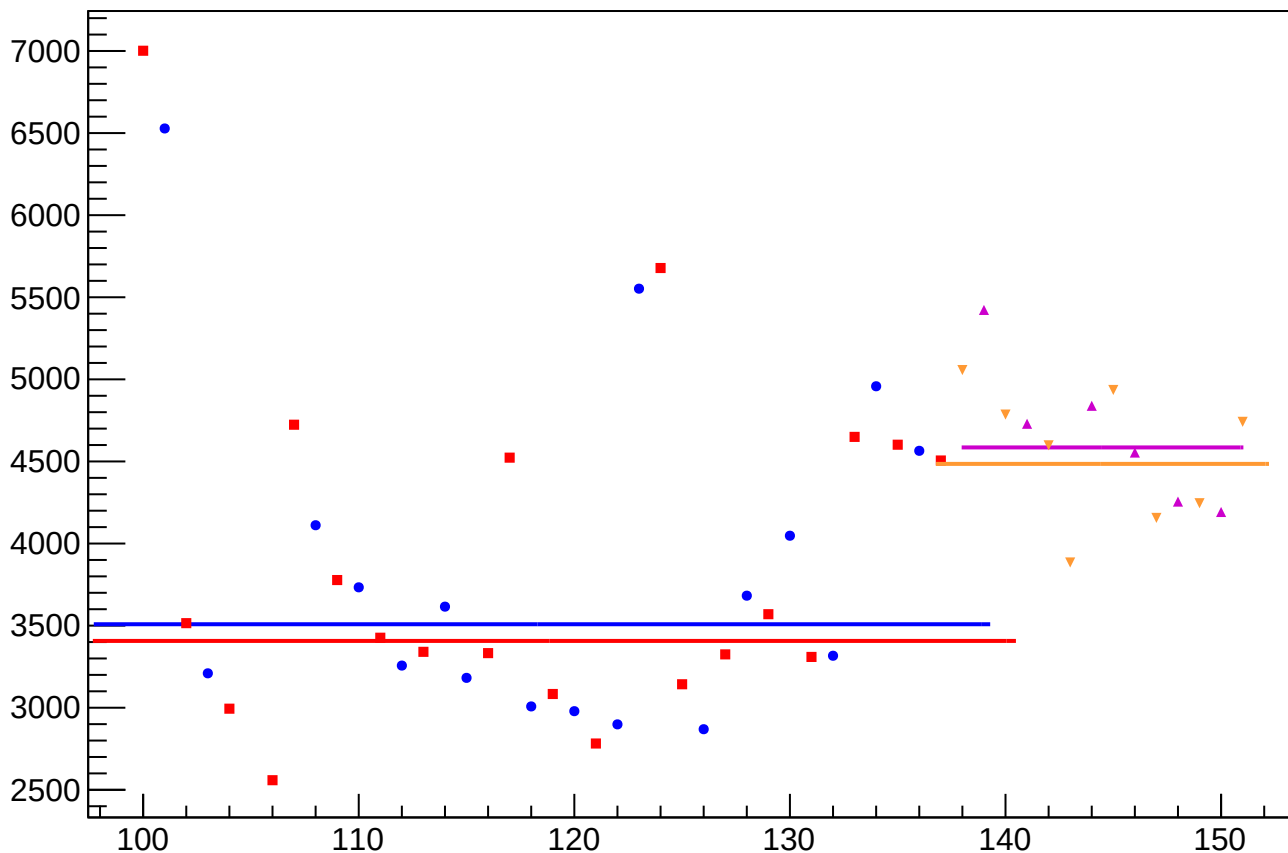
Left In: 589.553 ± 2078.799 χ^2/NDF : 2.2/5

115.698 ± 1120.555 χ^2/NDF : 22.4/24

258.427 ± 791.706 χ^2/NDF : 42.4/50

400.692 ± 1118.730 χ^2/NDF : 20.0/25

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3508.483 $\pm$ 0.987 χ^2 /NDF: 562197.7/16

Left Out: 4485.116 $\pm$ 1.329 χ^2 /NDF: 89188.4/7

Right Out: 3406.868 $\pm$ 0.926 χ^2 /NDF: 433737.9/19

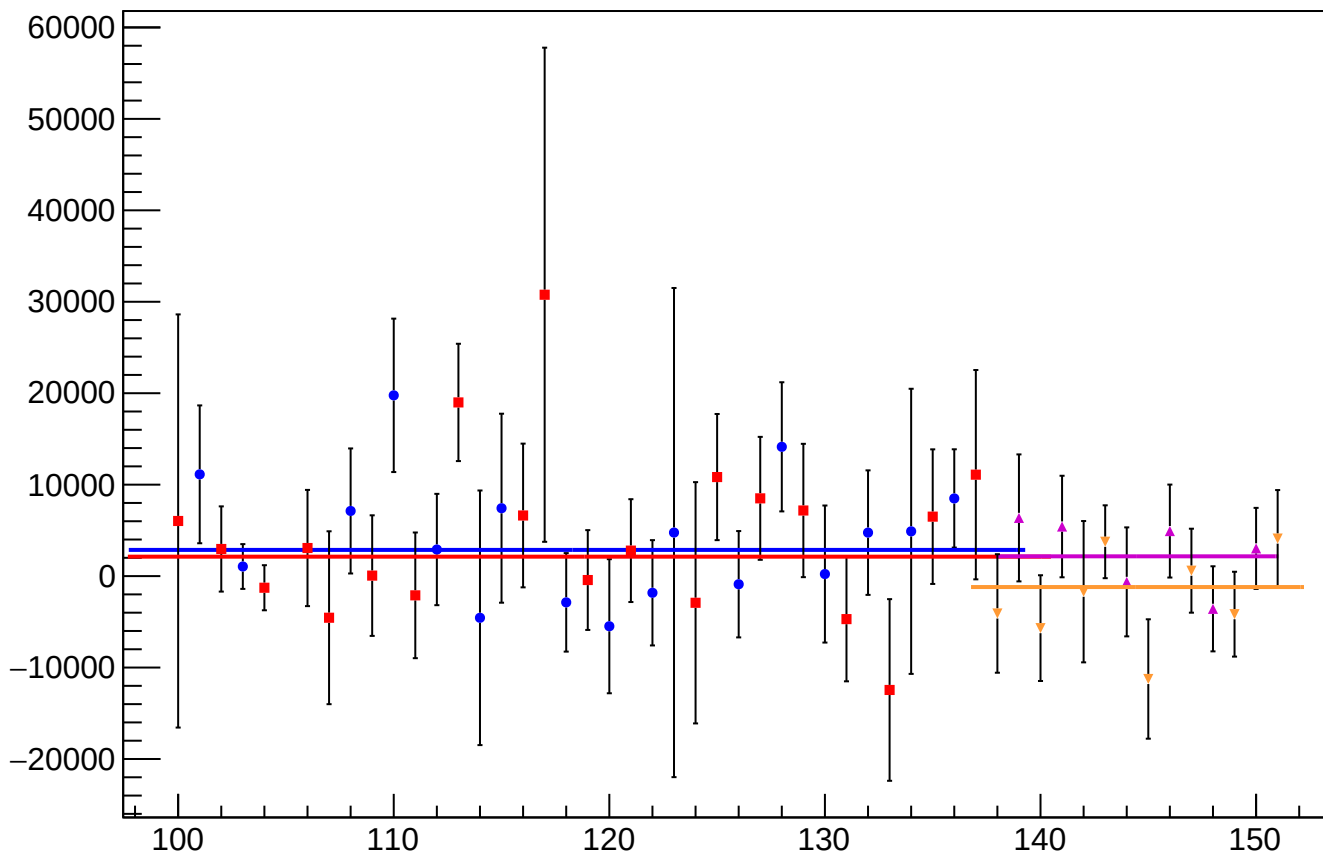
Left In: 4585.375 $\pm$ 1.470 χ^2 /NDF: 65741.7/5

3855.521 $\pm$ 0.792 χ^2 /NDF: 999406.9/24

3798.104 $\pm$ 0.557 χ^2 /NDF: 1969317.2/50

3741.924 $\pm$ 0.784 χ^2 /NDF: 959521.4/25

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: -1196.651 $\pm$ 1868.723 χ^2 /NDF: 6.3/7

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

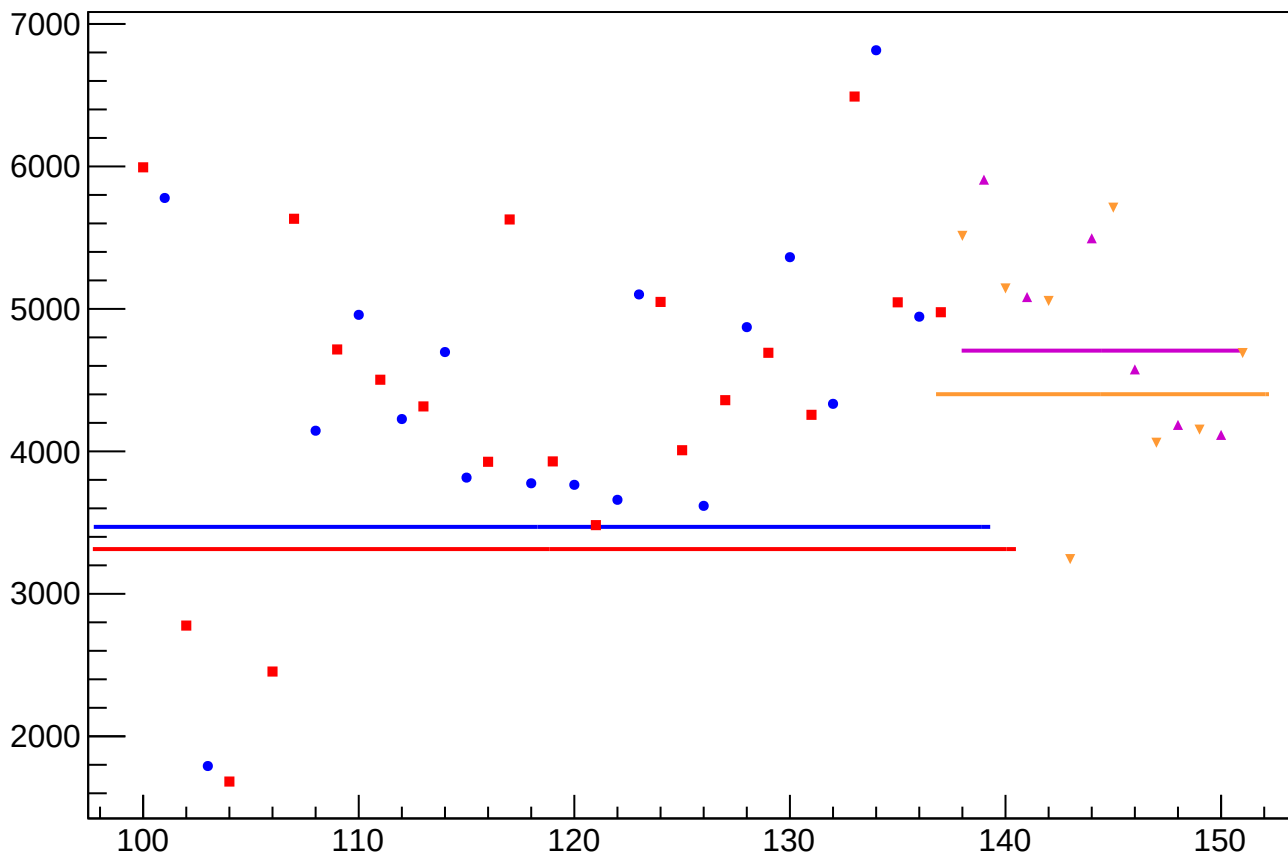
Left In: 2163.812 $\pm$ 2145.663 χ^2 /NDF: 2.8/5

1334.968 $\pm$ 1146.894 χ^2 /NDF: 23.3/24

1731.311 $\pm$ 815.756 χ^2 /NDF: 45.1/50

2137.136 $\pm$ 1160.533 χ^2 /NDF: 21.6/25

reg_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: 4401.278 $\pm$ 1.321 χ^2 /NDF: 378057.3/7

Right Out: 3314.183 $\pm$ 0.967 χ^2 /NDF: 1925484.9/19

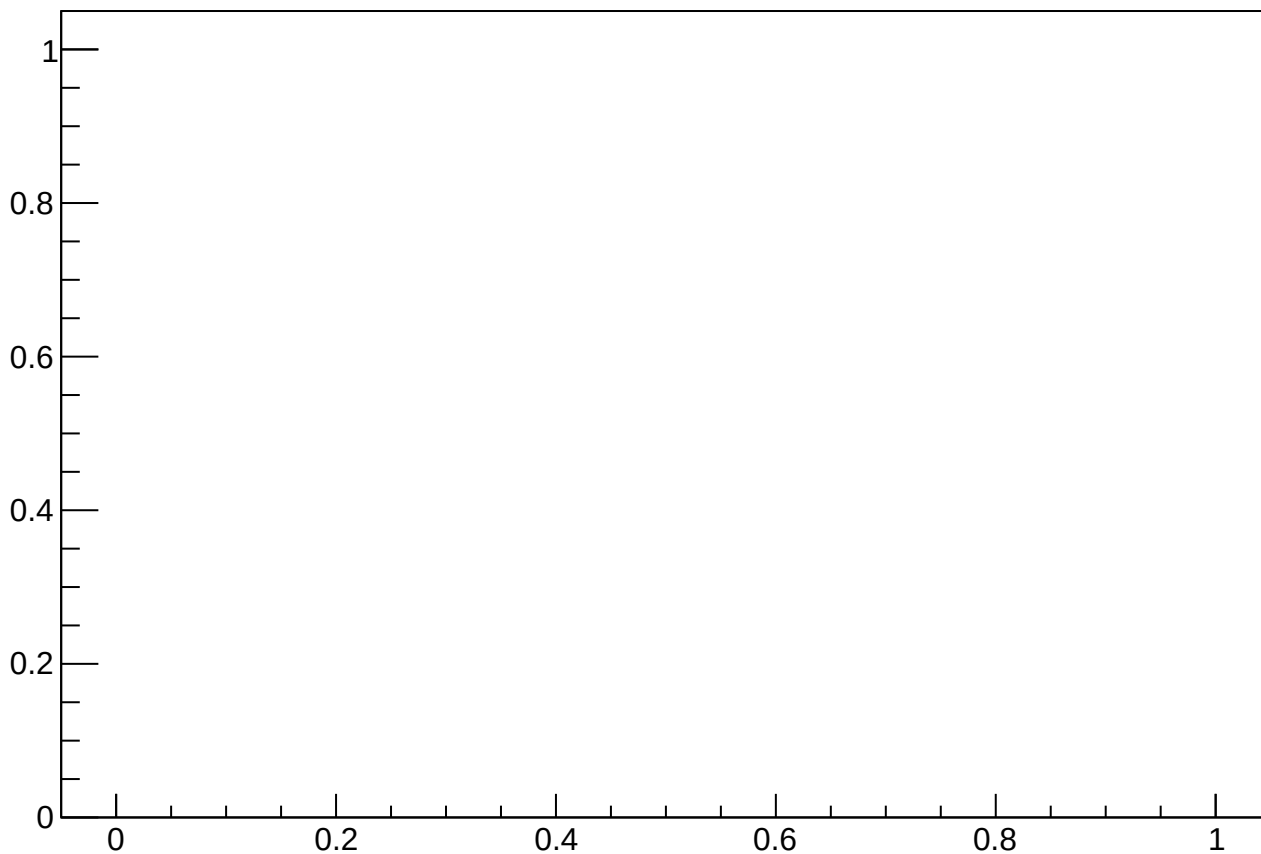
Left In: 4707.130 $\pm$ 1.517 χ^2 /NDF: 166033.8/5

3820.797 $\pm$ 0.811 χ^2 /NDF: 2448508.3/24

3768.889 $\pm$ 0.575 χ^2 /NDF: 5147760.9/50

3716.423 $\pm$ 0.815 χ^2 /NDF: 2691014.6/25

asym_atl_avg_atr_avg_avg_correction_mean vs Slug, Sign Corrected



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

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

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

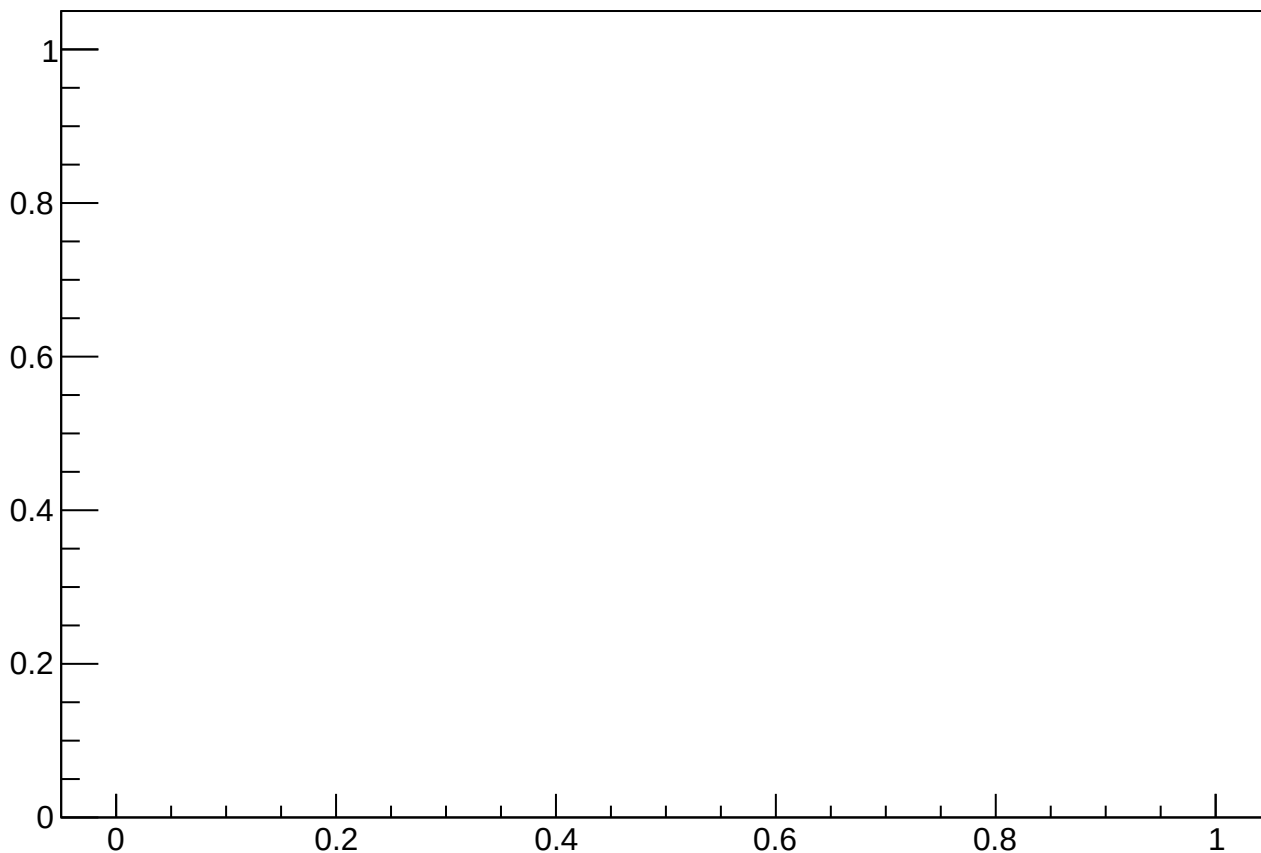
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug, Sign Corrected



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

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

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

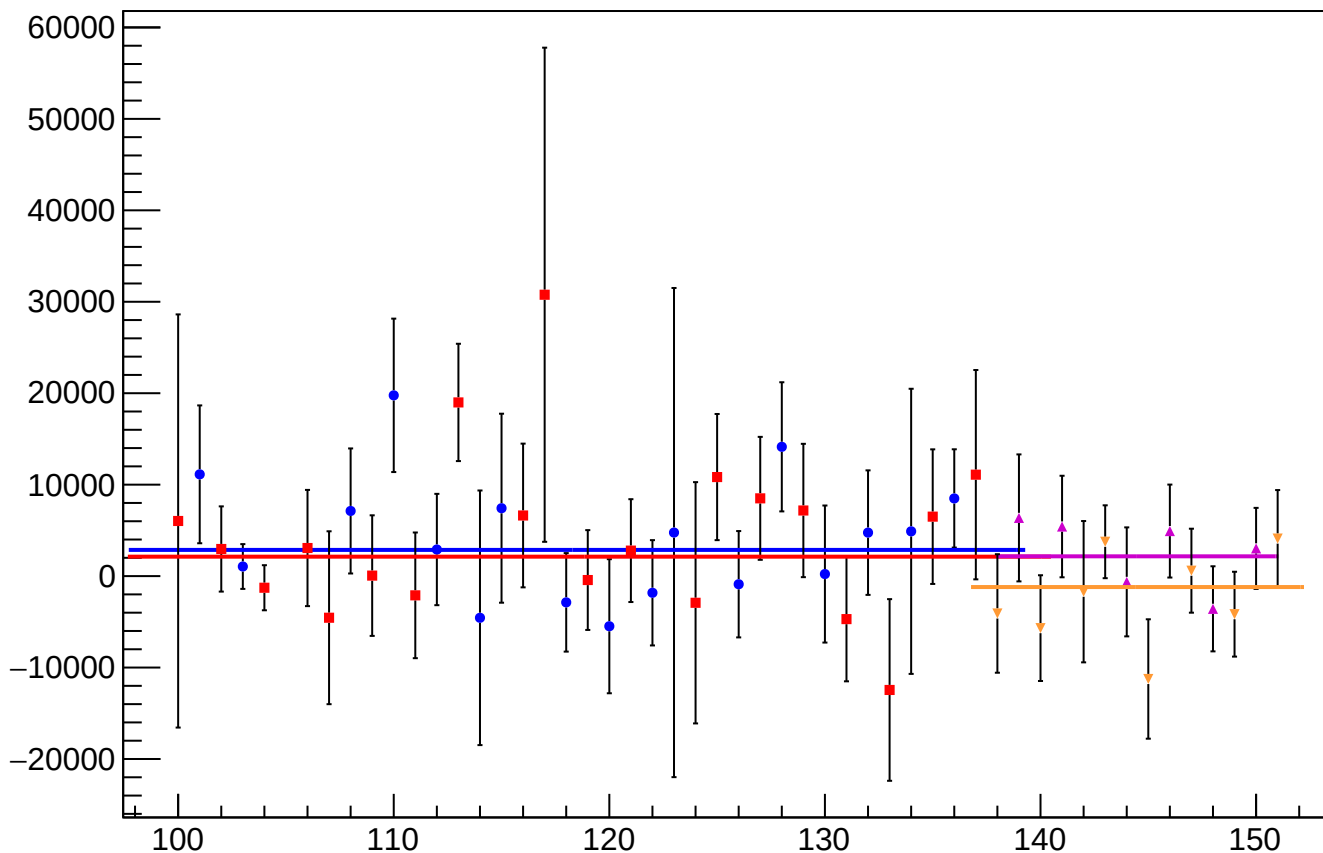
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2864.770+/-1452.658 χ^2/NDF : 14.1/16

Left Out: -1196.651+/-1868.723 χ^2/NDF : 6.3/7

Right Out: 2126.105+/-1379.774 χ^2/NDF : 18.8/19

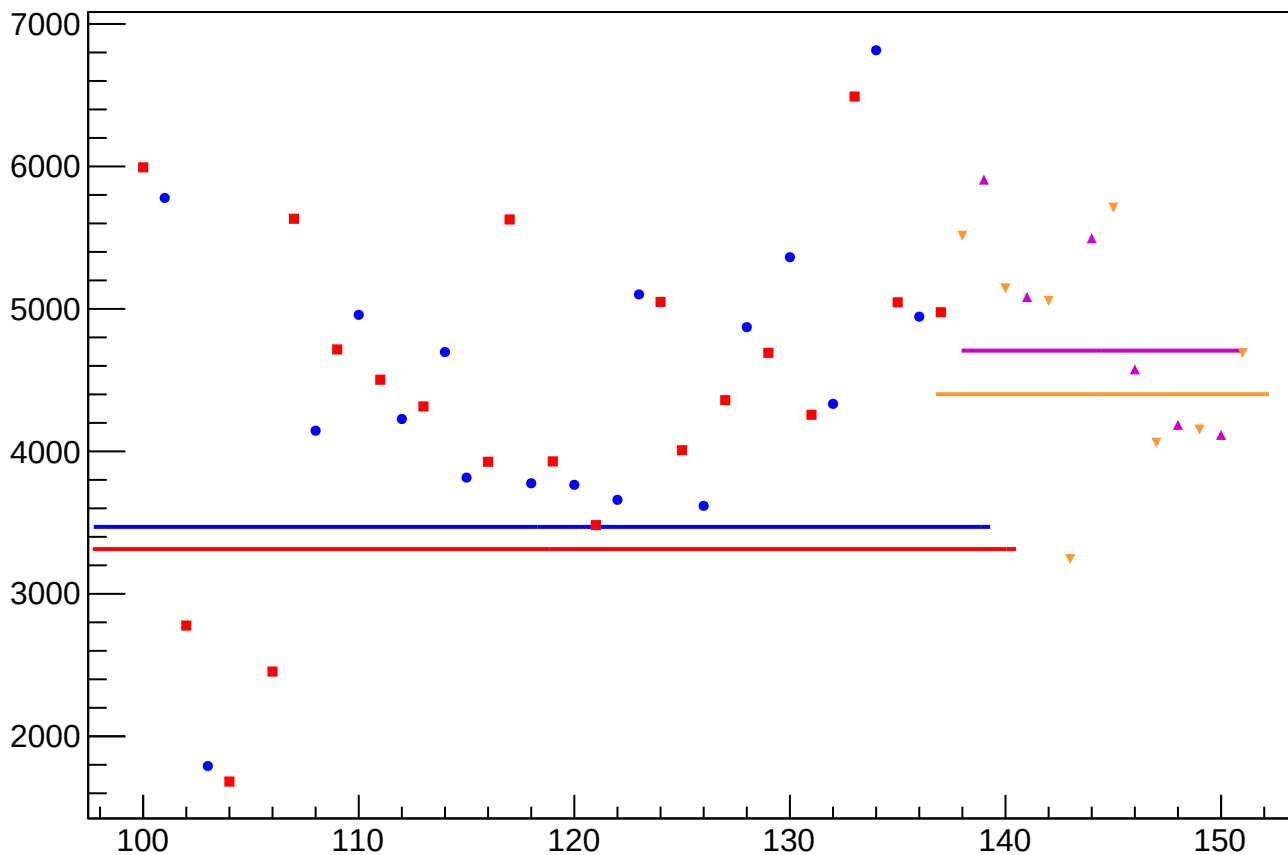
Left In: 2163.812+/-2145.663 χ^2/NDF : 2.8/5

1334.968+/-1146.894 χ^2/NDF : 23.3/24

1731.311+/-815.756 χ^2/NDF : 45.1/50

2137.136+/-1160.533 χ^2/NDF : 21.6/25

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: 4401.278 $\pm$ 1.321 χ^2 /NDF: 378057.3/7

Right Out: 3314.183 $\pm$ 0.967 χ^2 /NDF: 1925484.9/19

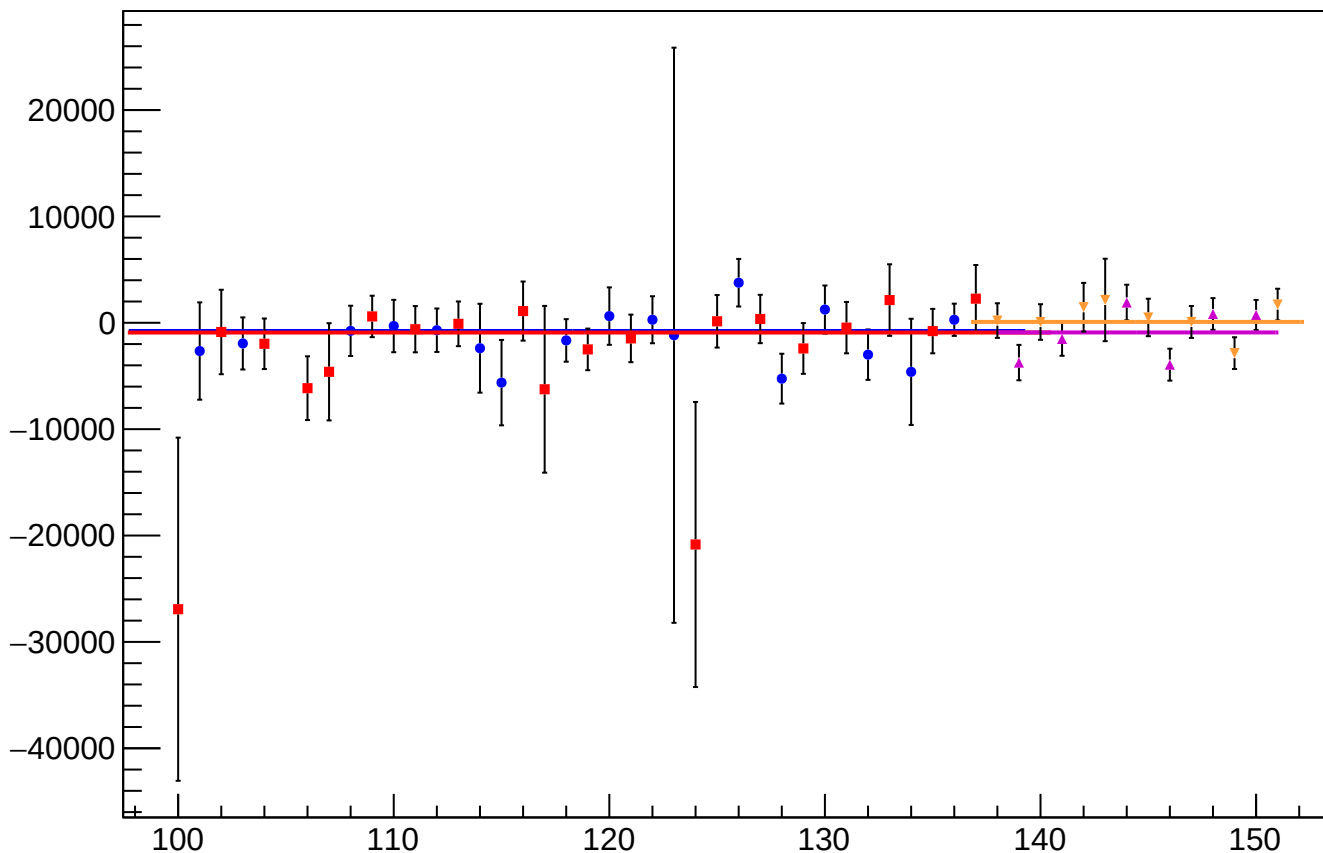
Left In: 4707.130 $\pm$ 1.517 χ^2 /NDF: 166033.8/5

3820.797 $\pm$ 0.811 χ^2 /NDF: 2448508.3/24

3768.889 $\pm$ 0.575 χ^2 /NDF: 5147760.9/50

3716.423 $\pm$ 0.815 χ^2 /NDF: 2691014.6/25

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: 82.243+/-613.093 χ^2/NDF : 5.8/7

Right Out: -915.893+/-593.346 χ^2/NDF : 14.0/19

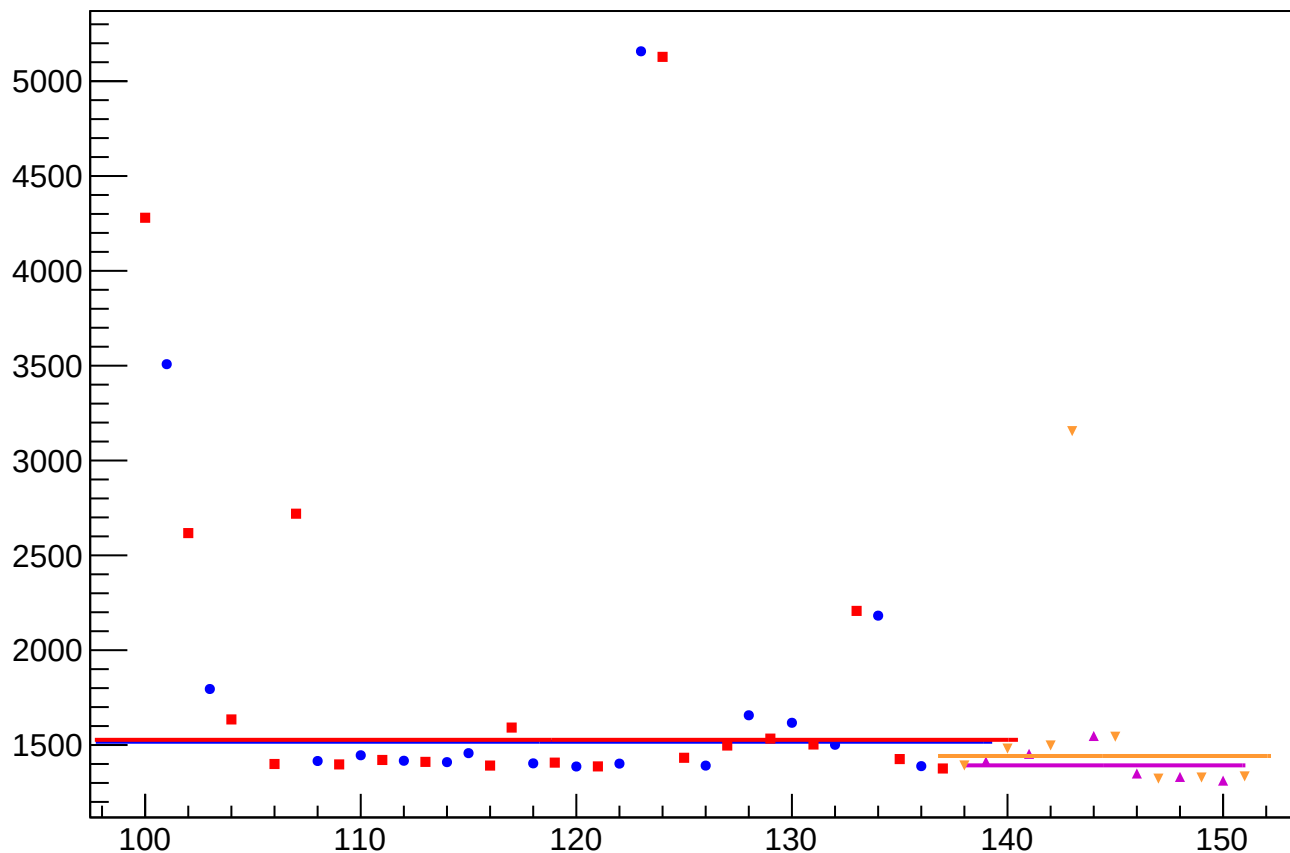
Left In: -907.041+/-630.651 χ^2/NDF : 12.7/5

-351.050+/-430.159 χ^2/NDF : 20.0/24

-630.102+/-304.868 χ^2/NDF : 47.5/50

-911.737+/-432.146 χ^2/NDF : 26.6/25

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: 1442.115+/-0.434 χ^2/NDF : 436075.6/7

Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

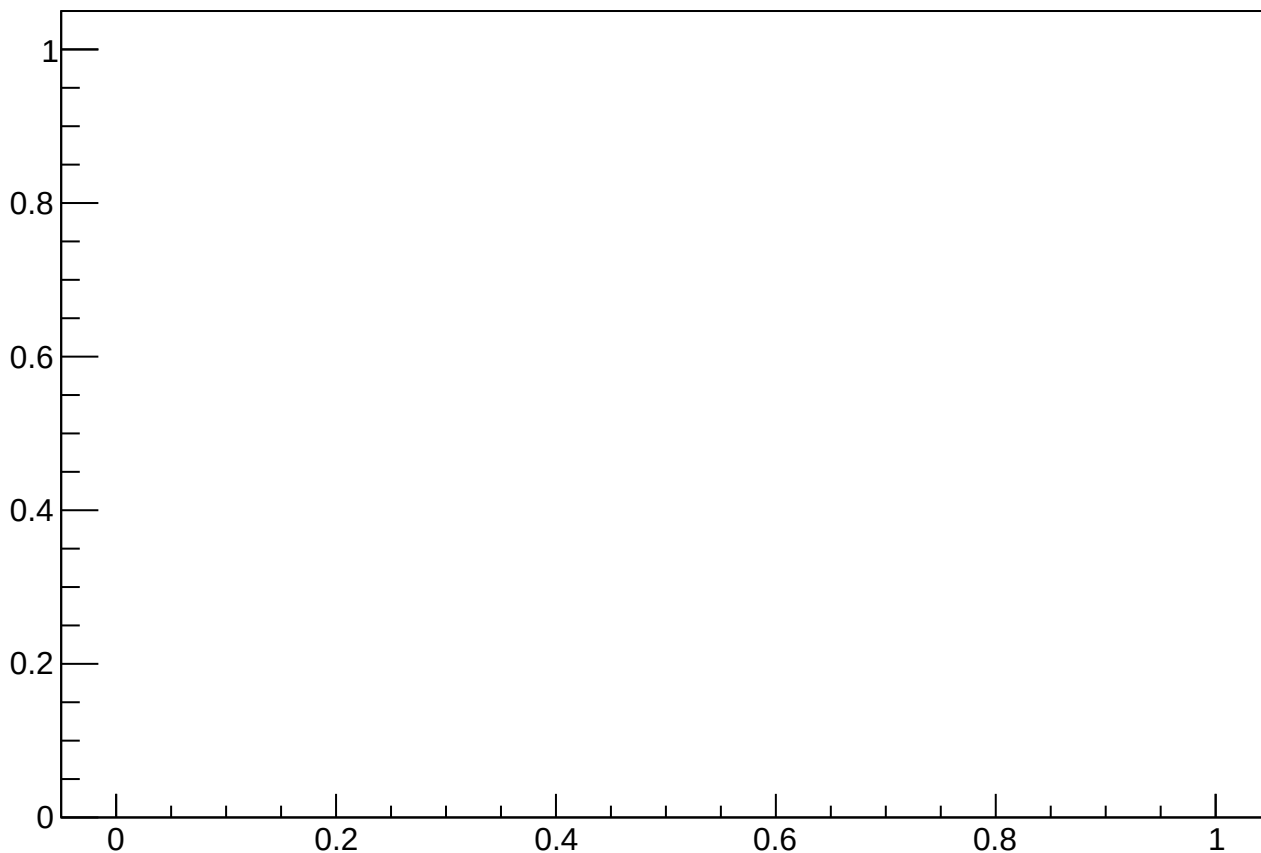
Left In: 1392.717+/-0.446 χ^2/NDF : 31842.9/5

1480.306+/-0.304 χ^2/NDF : 988023.4/24

1472.264+/-0.216 χ^2/NDF : 1701462.2/50

1464.148+/-0.306 χ^2/NDF : 712034.4/25

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

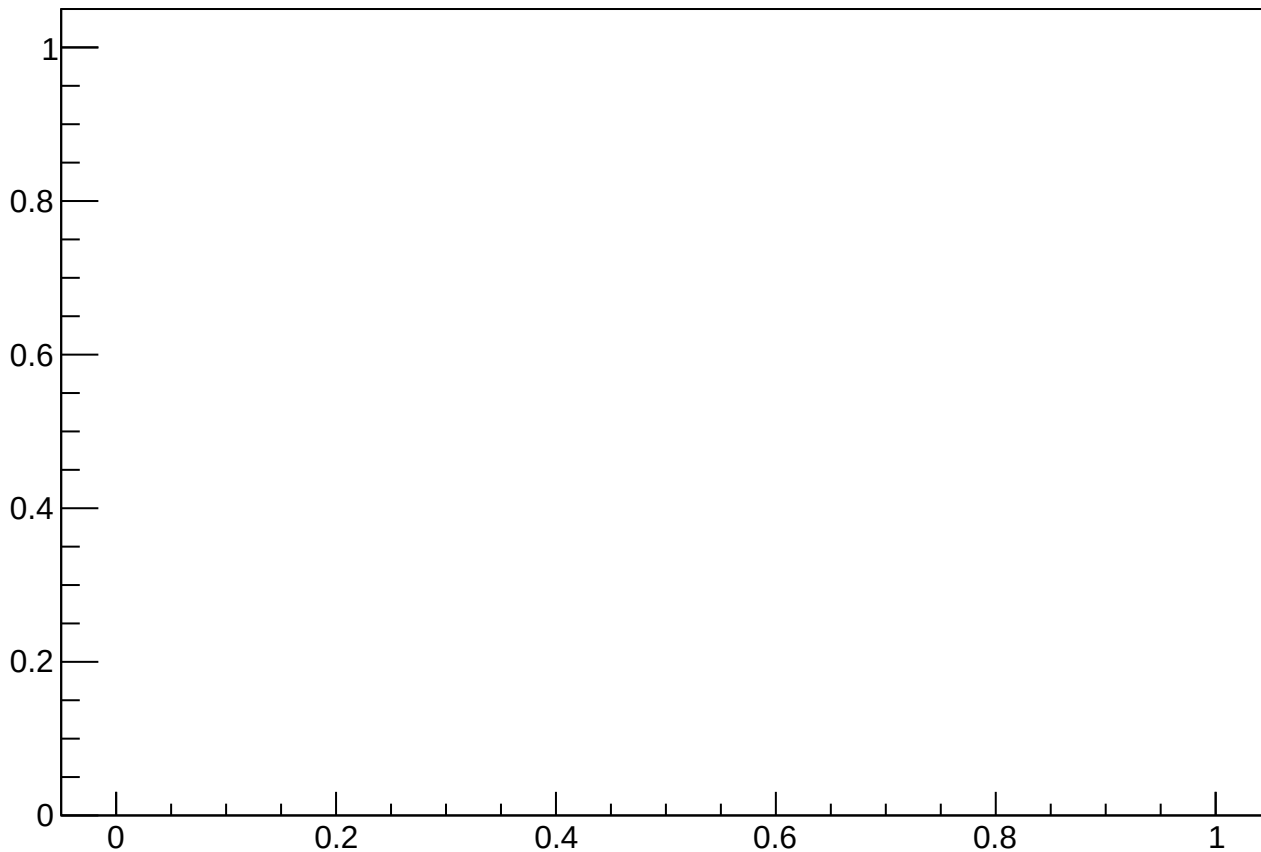
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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

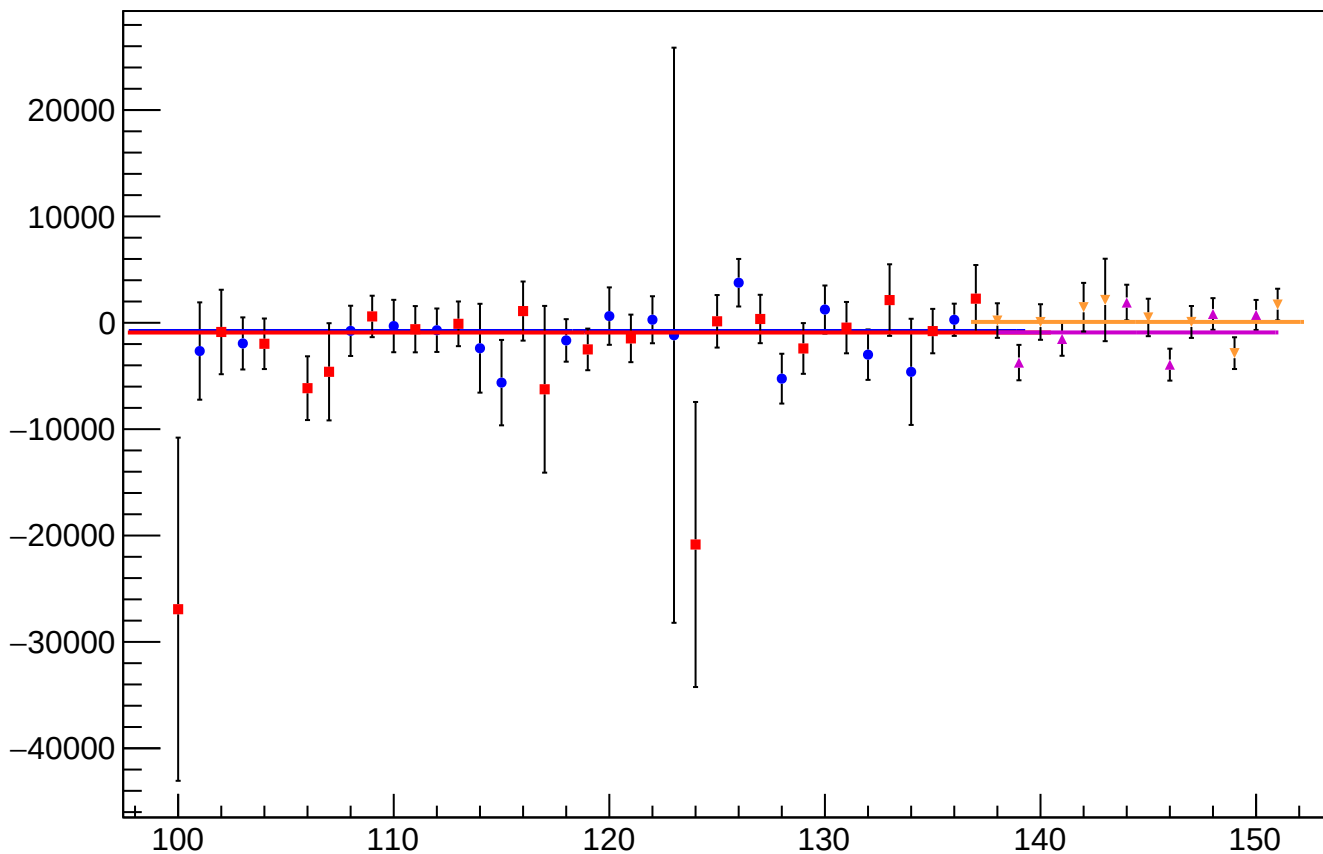
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

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: 82.243+/-613.093 χ^2/NDF : 5.8/7

Right Out: -915.893+/-593.346 χ^2/NDF : 14.0/19

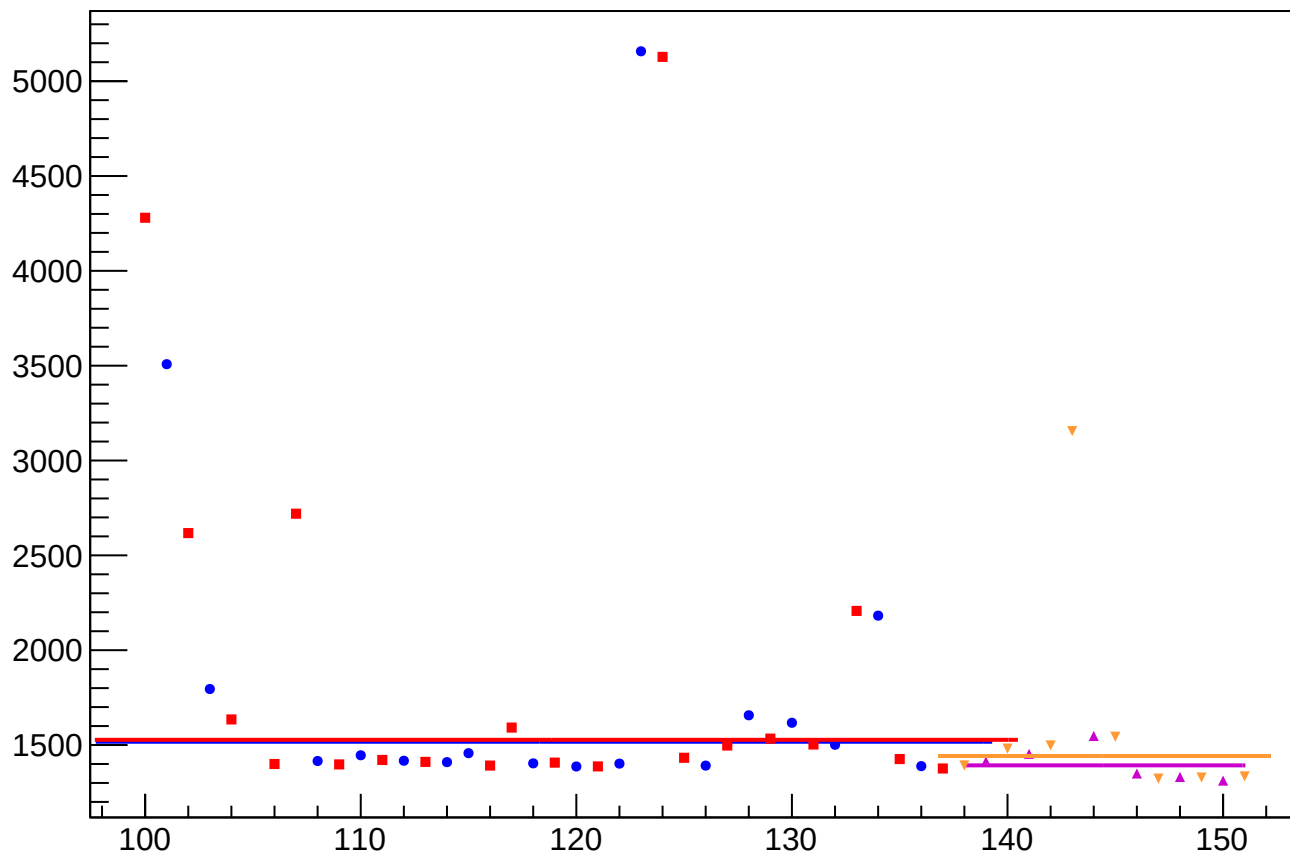
Left In: -907.041+/-630.651 χ^2/NDF : 12.7/5

-351.050+/-430.159 χ^2/NDF : 20.0/24

-630.102+/-304.868 χ^2/NDF : 47.5/50

-911.737+/-432.146 χ^2/NDF : 26.6/25

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: 1442.115+/-0.434 χ^2/NDF : 436075.6/7

Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

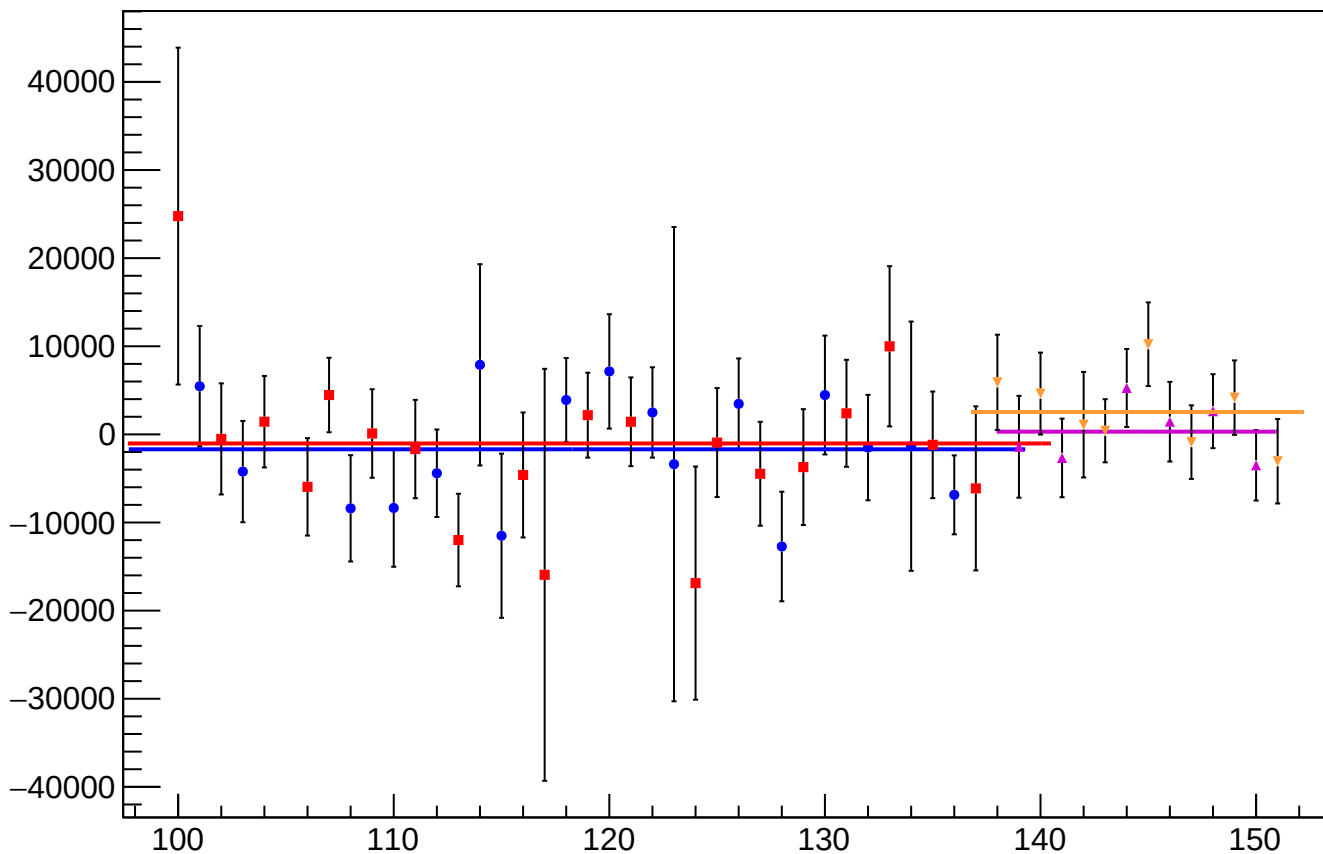
Left In: 1392.717+/-0.446 χ^2/NDF : 31842.9/5

1480.306+/-0.304 χ^2/NDF : 988023.4/24

1472.264+/-0.216 χ^2/NDF : 1701462.2/50

1464.148+/-0.306 χ^2/NDF : 712034.4/25

reg_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1692.604 $\pm$ 1512.935 χ^2 /NDF: 15.8/16

Left Out: 2538.205 $\pm$ 1606.308 χ^2 /NDF: 5.8/7

Right Out: -1029.768 $\pm$ 1376.481 χ^2 /NDF: 14.3/19

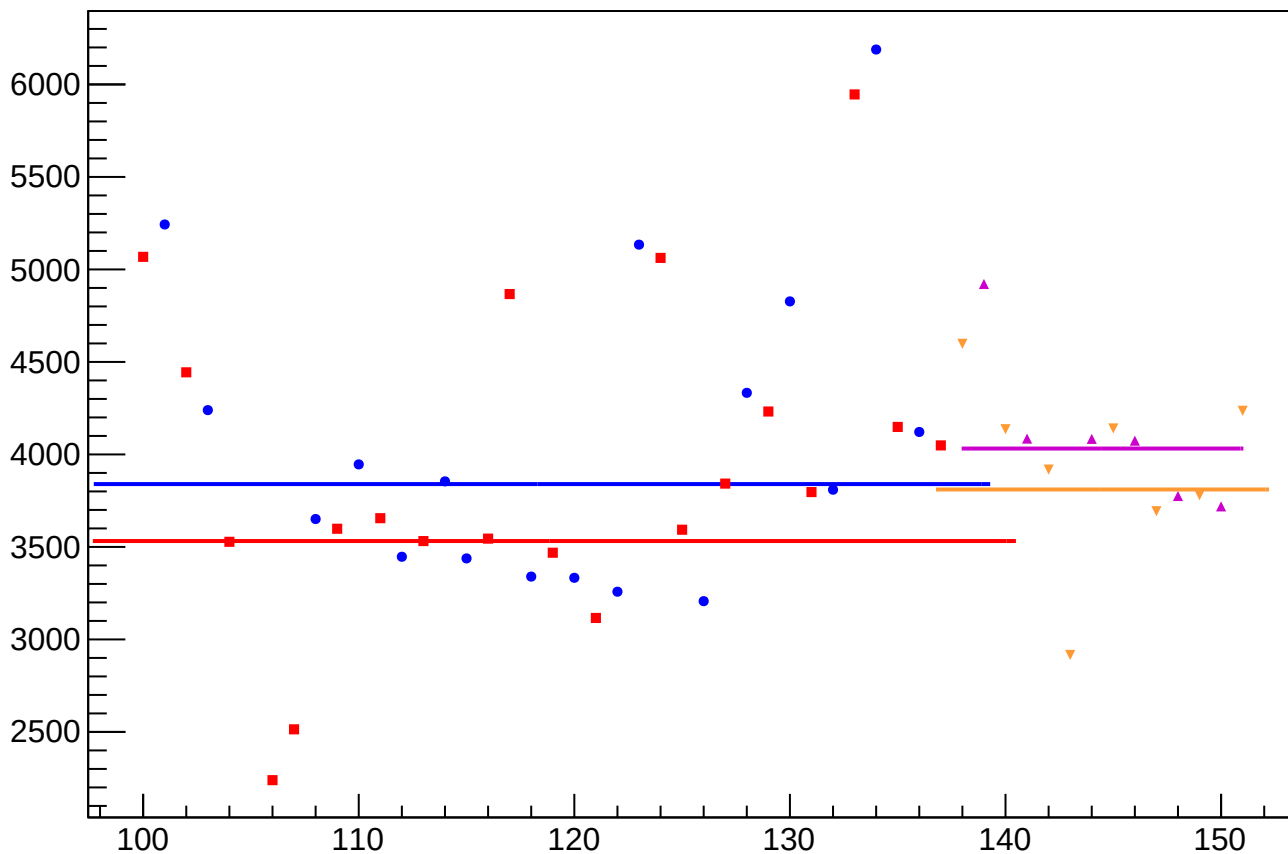
Left In: 310.421 $\pm$ 1827.979 χ^2 /NDF: 3.1/5

296.267 $\pm$ 1101.337 χ^2 /NDF: 25.3/24

-124.945 $\pm$ 778.147 χ^2 /NDF: 43.4/50

-544.826 $\pm$ 1099.596 χ^2 /NDF: 17.7/25

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: 3810.543 ± 1.136 χ^2/NDF : 204688.1/7

Right Out: 3531.881 ± 0.965 χ^2/NDF : 561331.4/19

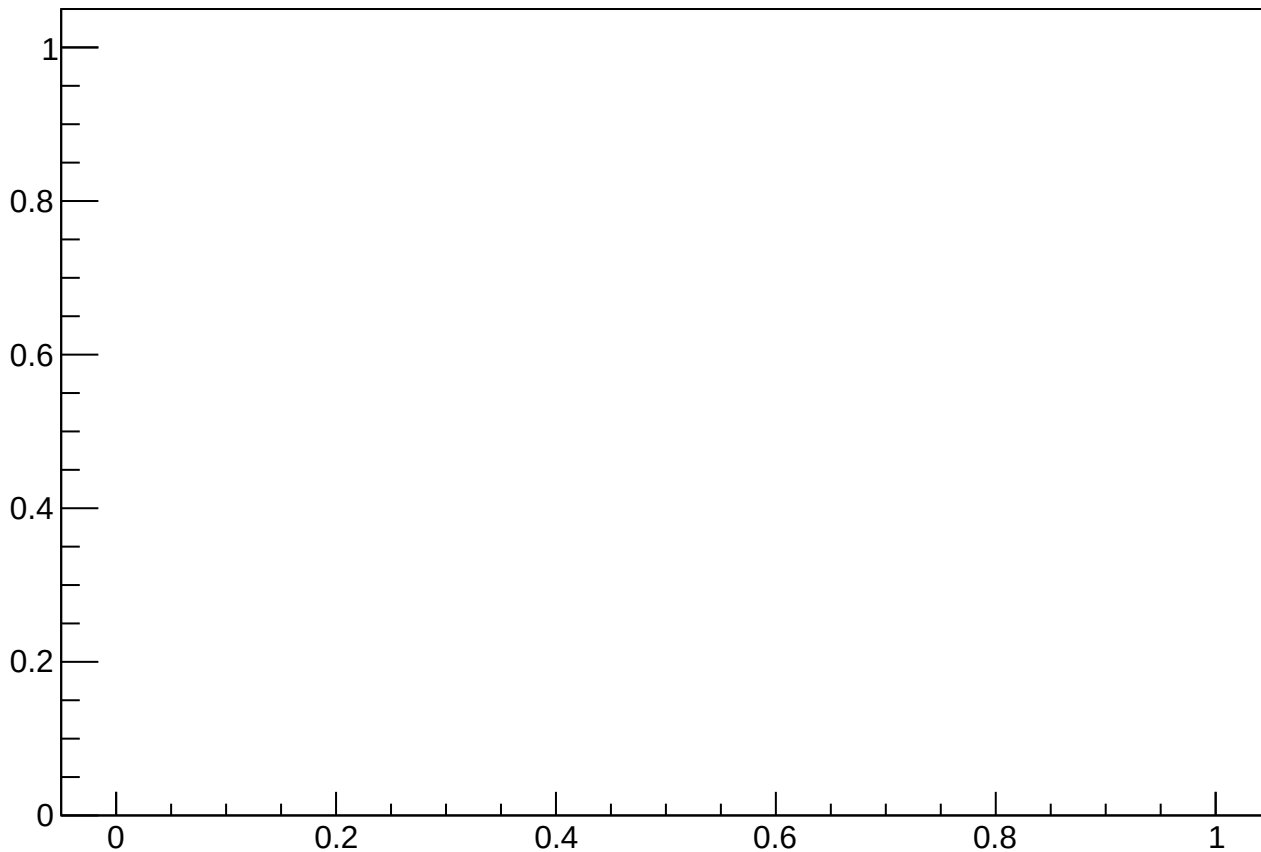
Left In: 4031.843 ± 1.293 χ^2/NDF : 67776.7/5

3826.021 ± 0.779 χ^2/NDF : 530997.7/24

3767.931 ± 0.549 χ^2/NDF : 1267254.0/50

3710.695 ± 0.773 χ^2/NDF : 725209.7/25

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

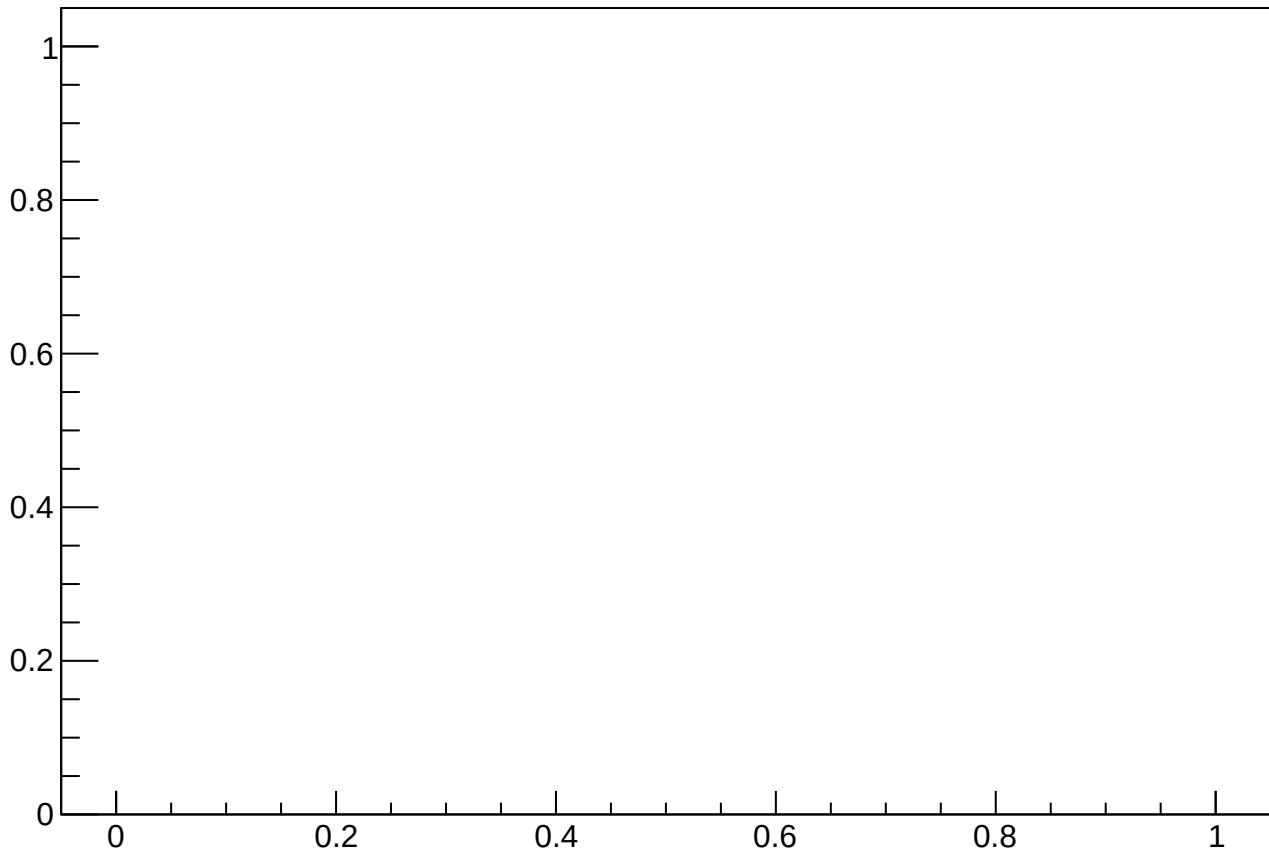
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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

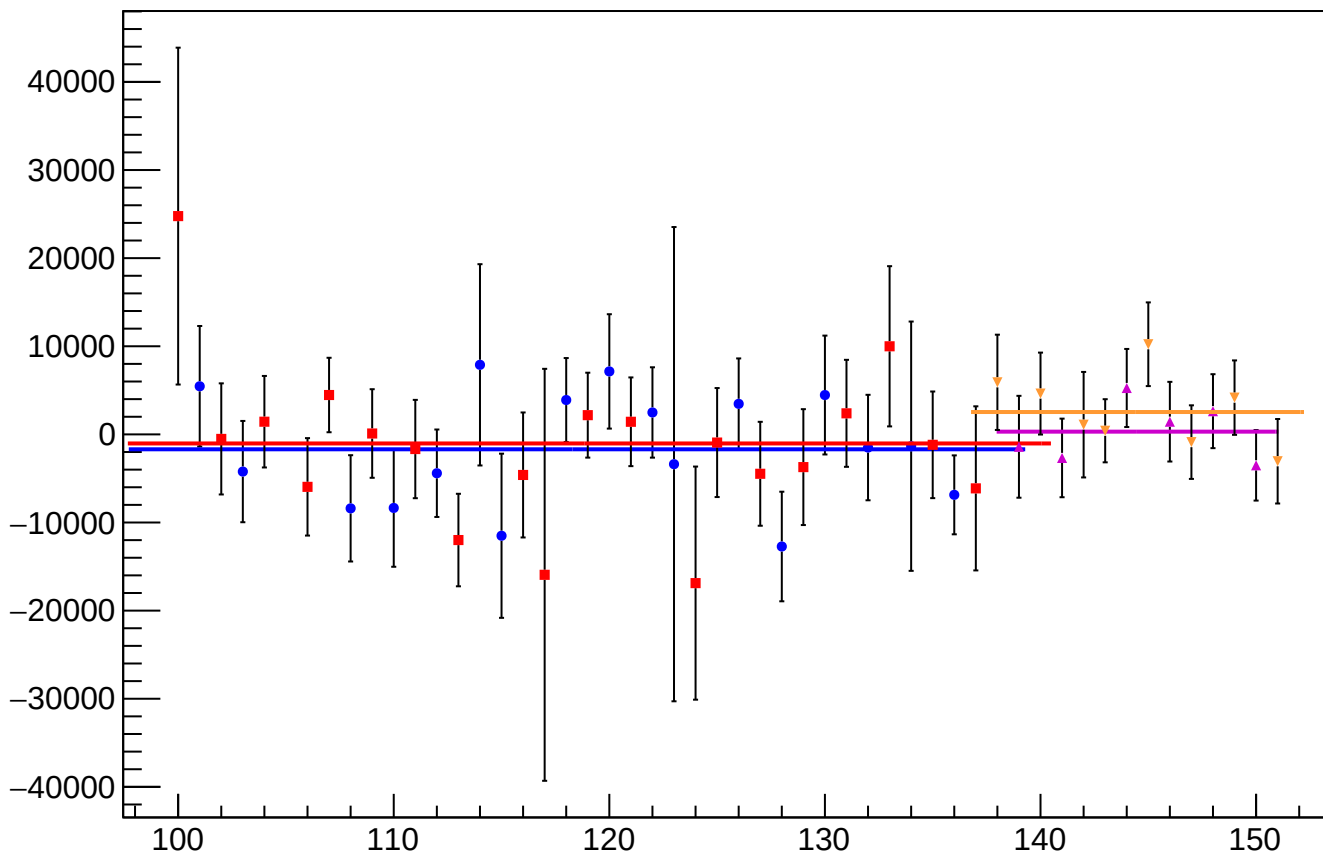
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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 ± 1512.935 $\chi^2/\text{NDF}: 15.8/16$

Left Out: 2538.205 ± 1606.308 $\chi^2/\text{NDF}: 5.8/7$

Right Out: -1029.768 ± 1376.481 $\chi^2/\text{NDF}: 14.3/19$

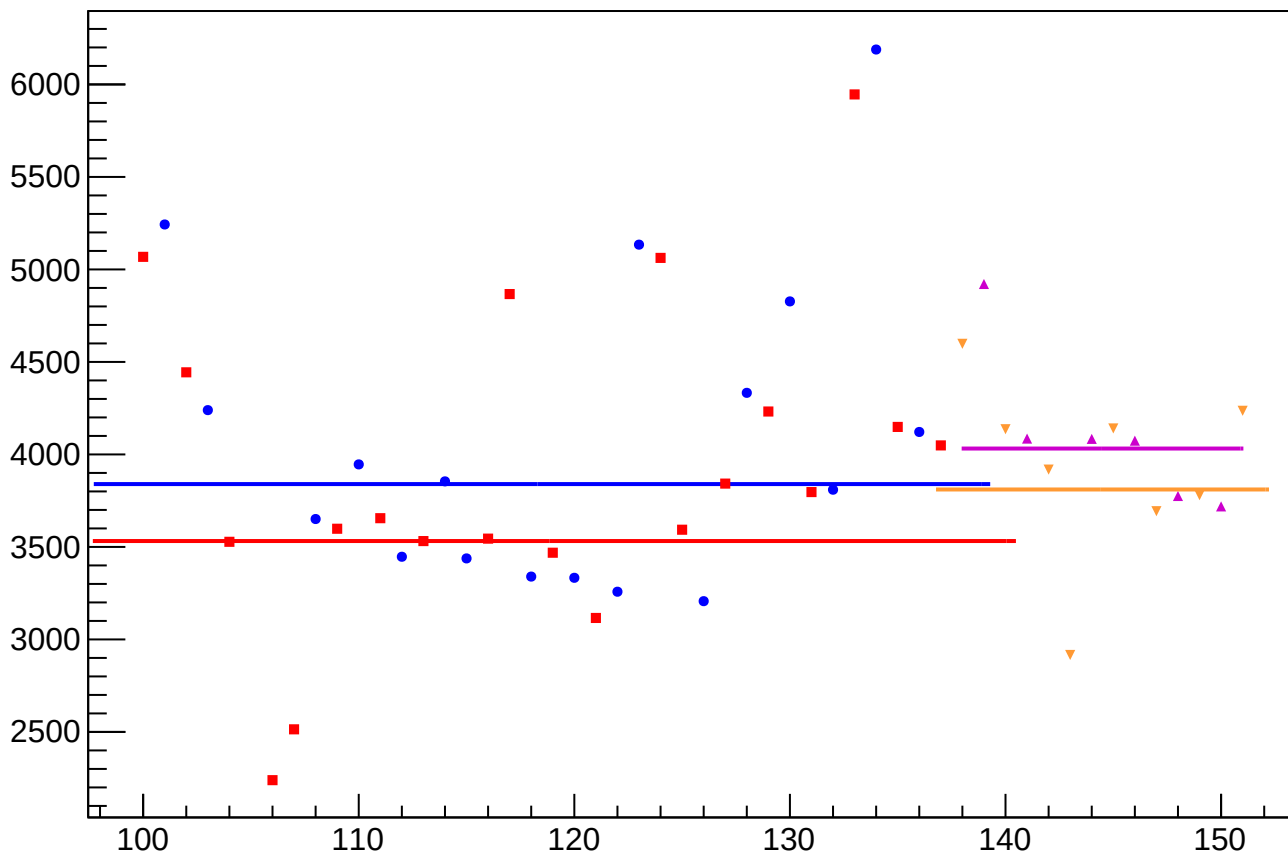
Left In: 310.421 ± 1827.979 $\chi^2/\text{NDF}: 3.1/5$

296.267 ± 1101.337 $\chi^2/\text{NDF}: 25.3/24$

-124.945 ± 778.147 $\chi^2/\text{NDF}: 43.4/50$

-544.826 ± 1099.596 $\chi^2/\text{NDF}: 17.7/25$

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: 3810.543+/-1.136 χ^2/NDF : 204688.1/7

Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

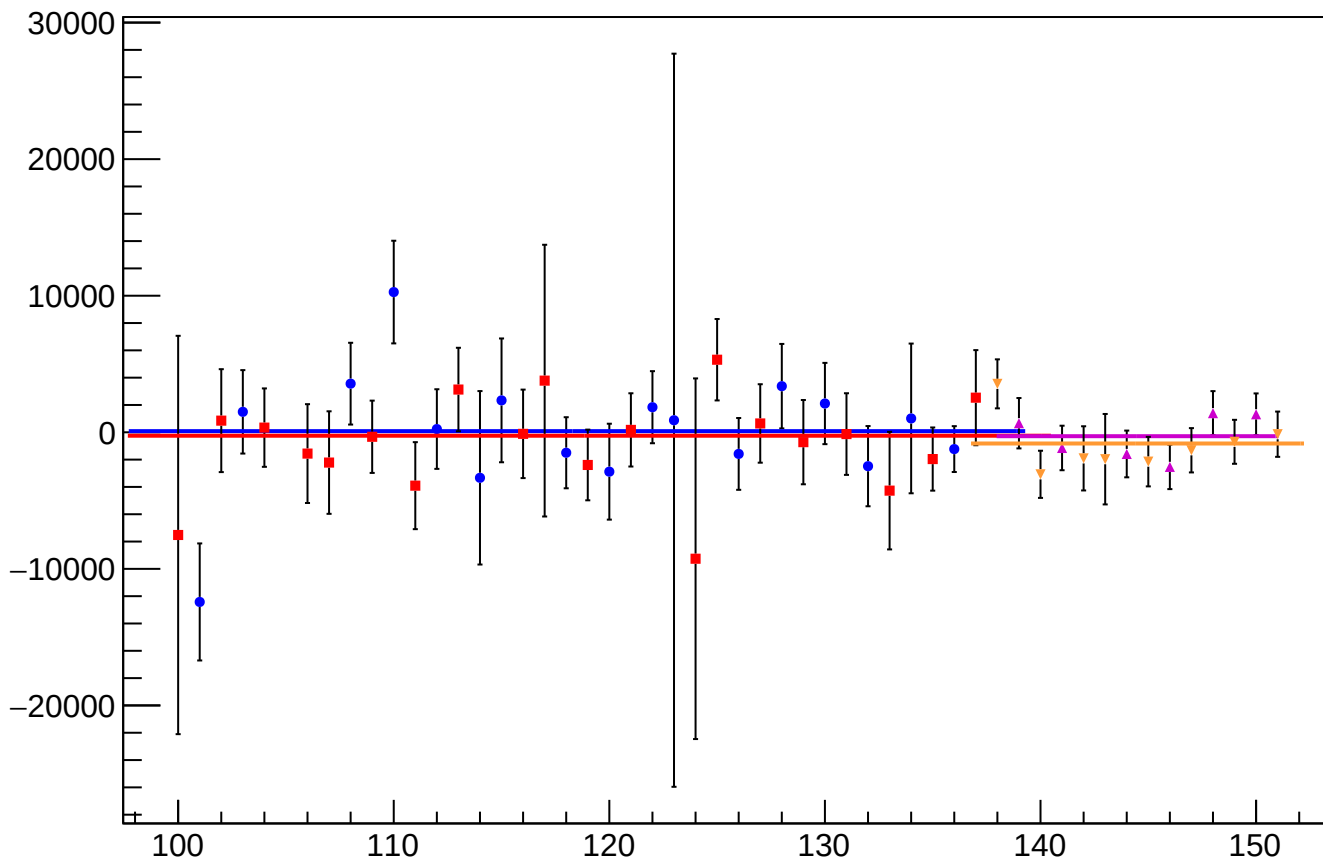
Left In: 4031.843+/-1.293 χ^2/NDF : 67776.7/5

3826.021+/-0.779 χ^2/NDF : 530997.7/24

3767.931+/-0.549 χ^2/NDF : 1267254.0/50

3710.695+/-0.773 χ^2/NDF : 725209.7/25

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: -820.725+/-651.976 χ^2/NDF : 8.8/7

Right Out: -250.743+/-732.124 χ^2/NDF : 10.3/19

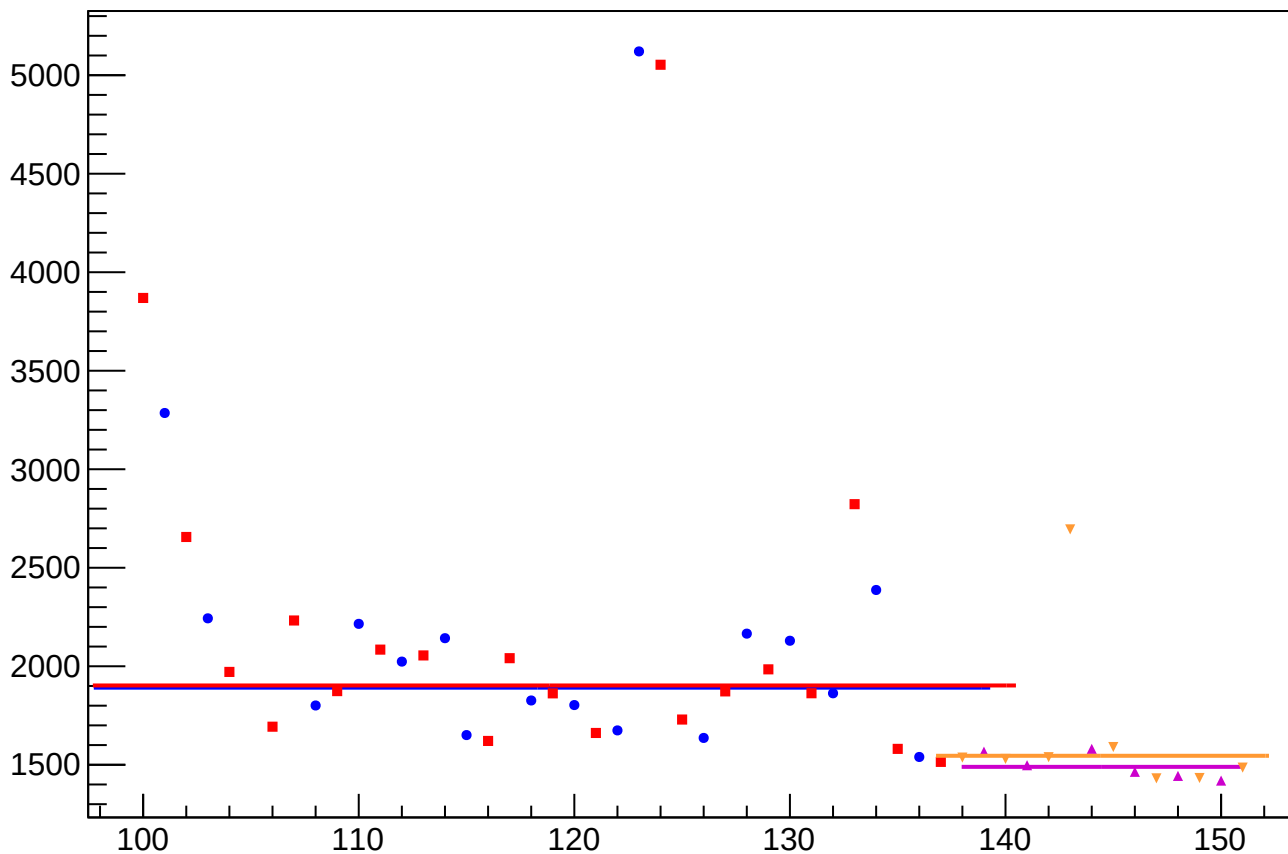
Left In: -285.525+/-673.698 χ^2/NDF : 5.2/5

-431.697+/-492.204 χ^2/NDF : 32.5/24

-351.218+/-349.286 χ^2/NDF : 48.1/50

-269.577+/-495.747 χ^2/NDF : 15.6/25

reg_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1891.492+/-0.531 χ^2/NDF : 464497.5/16

Left Out: 1545.660+/-0.461 χ^2/NDF : 264702.4/7

Right Out: 1902.551+/-0.518 χ^2/NDF : 461077.0/19

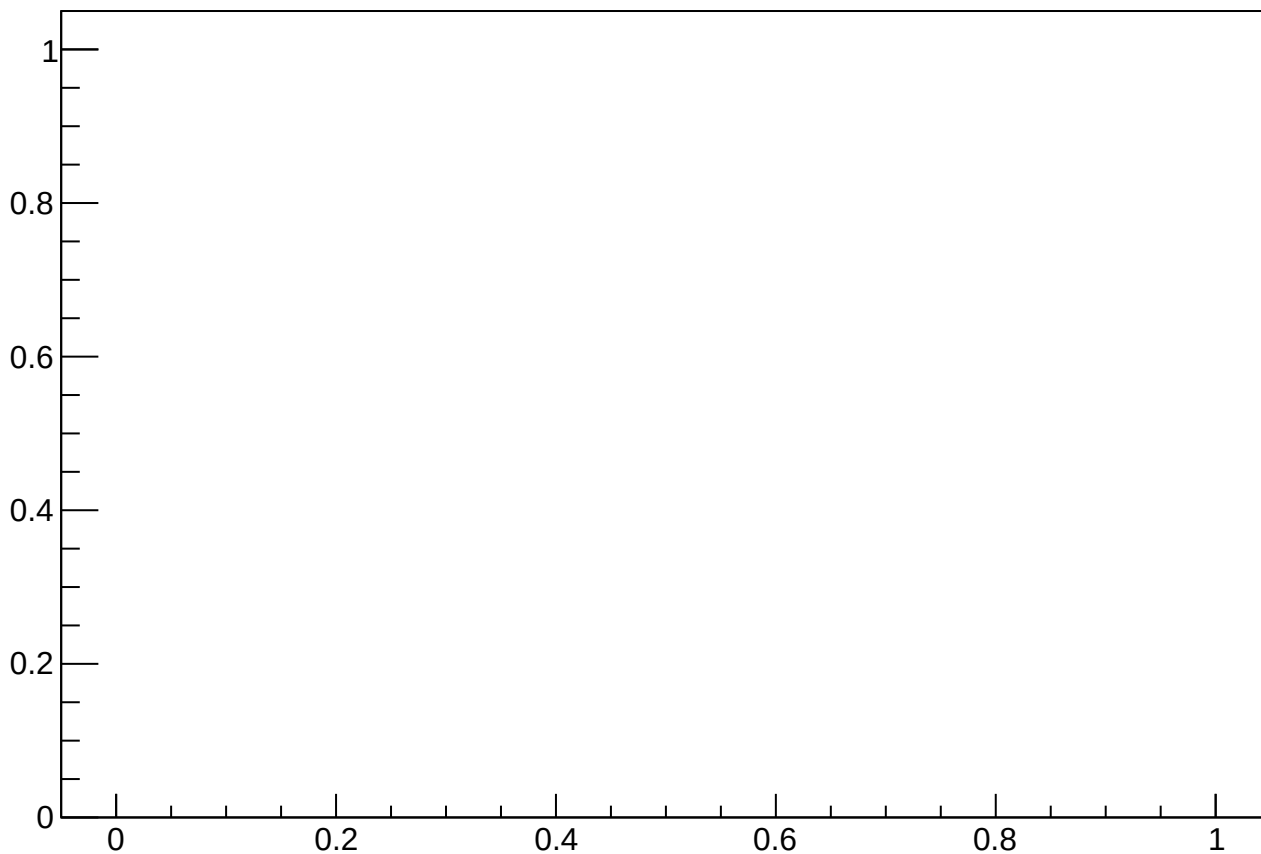
Left In: 1489.466+/-0.476 χ^2/NDF : 15531.0/5

1694.391+/-0.348 χ^2/NDF : 971209.0/24

1686.688+/-0.247 χ^2/NDF : 1793579.6/50

1678.873+/-0.351 χ^2/NDF : 821383.7/25

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

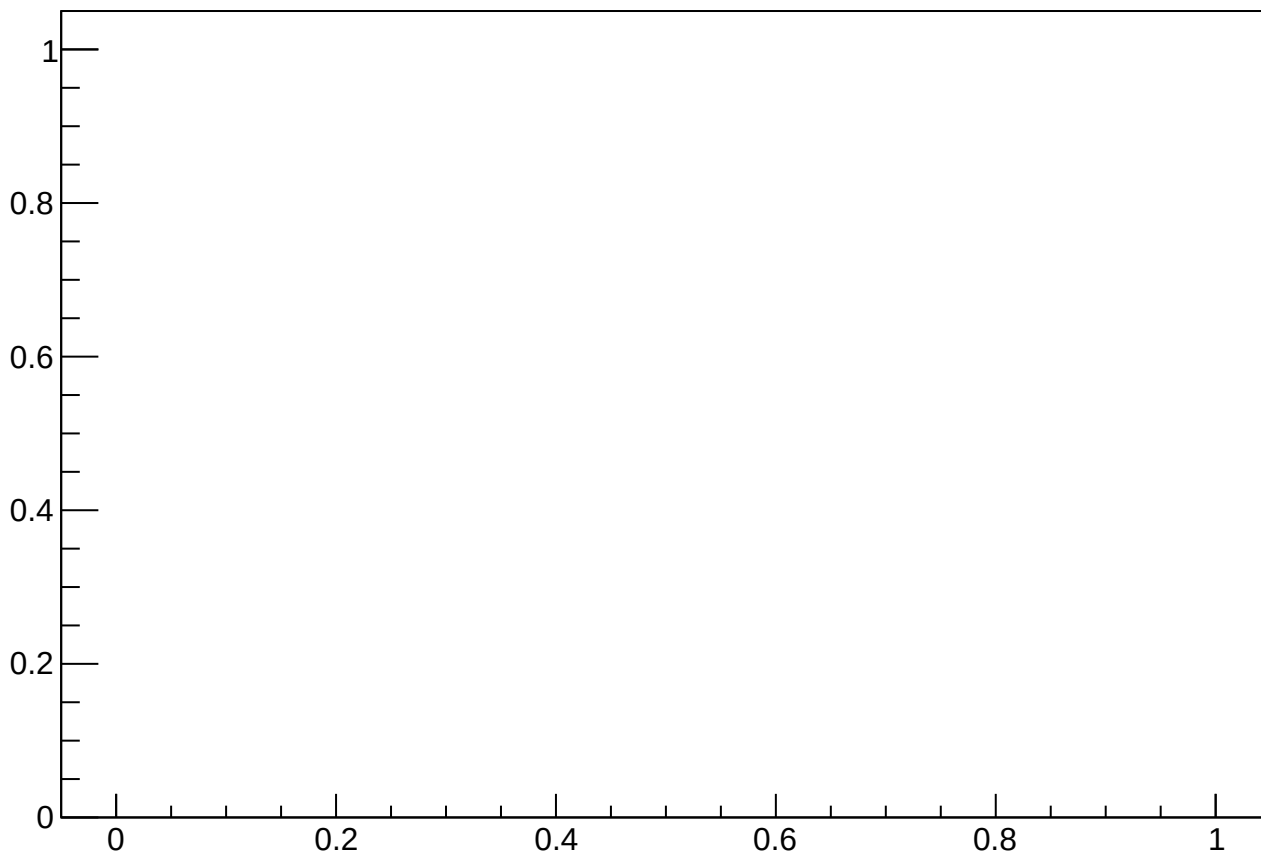
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

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

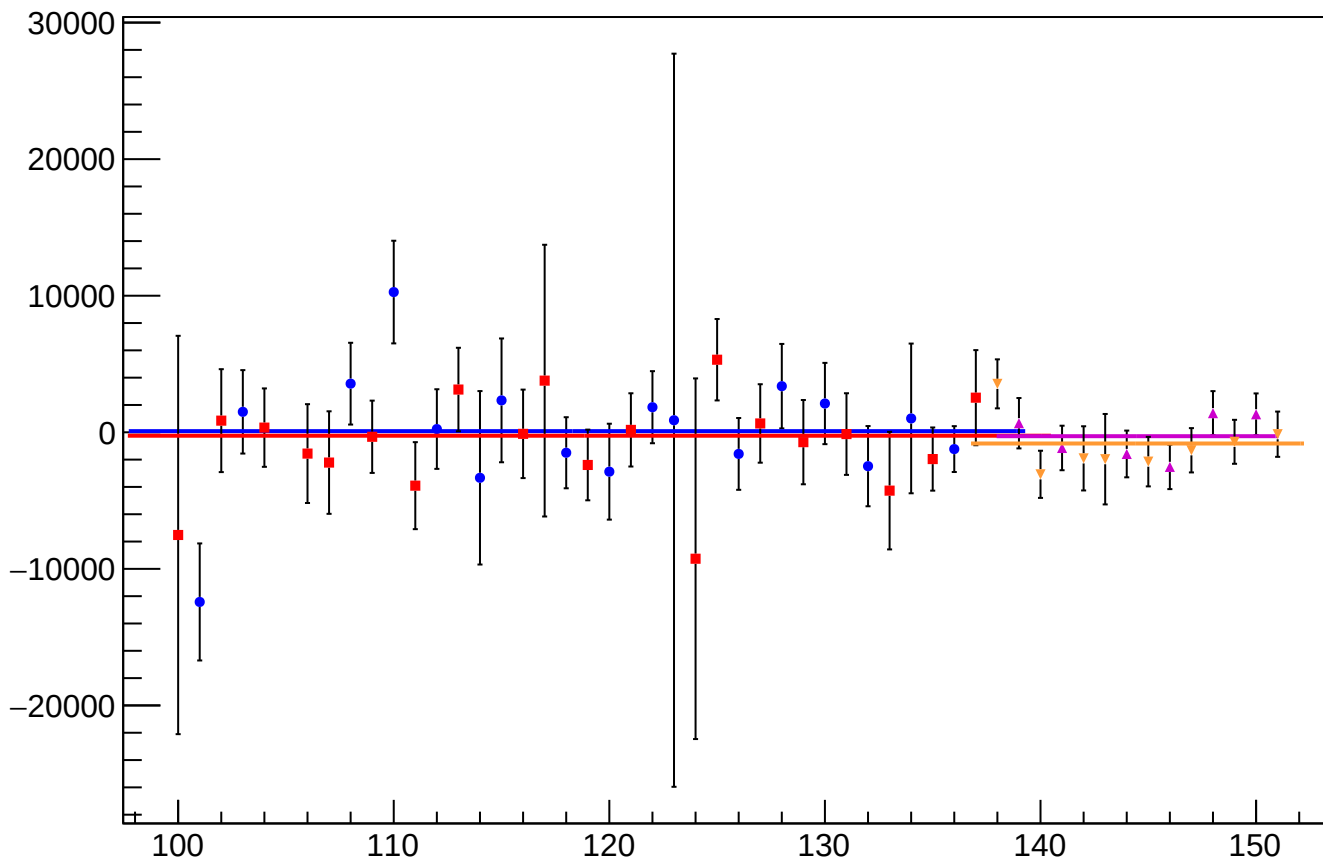
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

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: -820.725+/-651.976 χ^2/NDF : 8.8/7

Right Out: -250.743+/-732.124 χ^2/NDF : 10.3/19

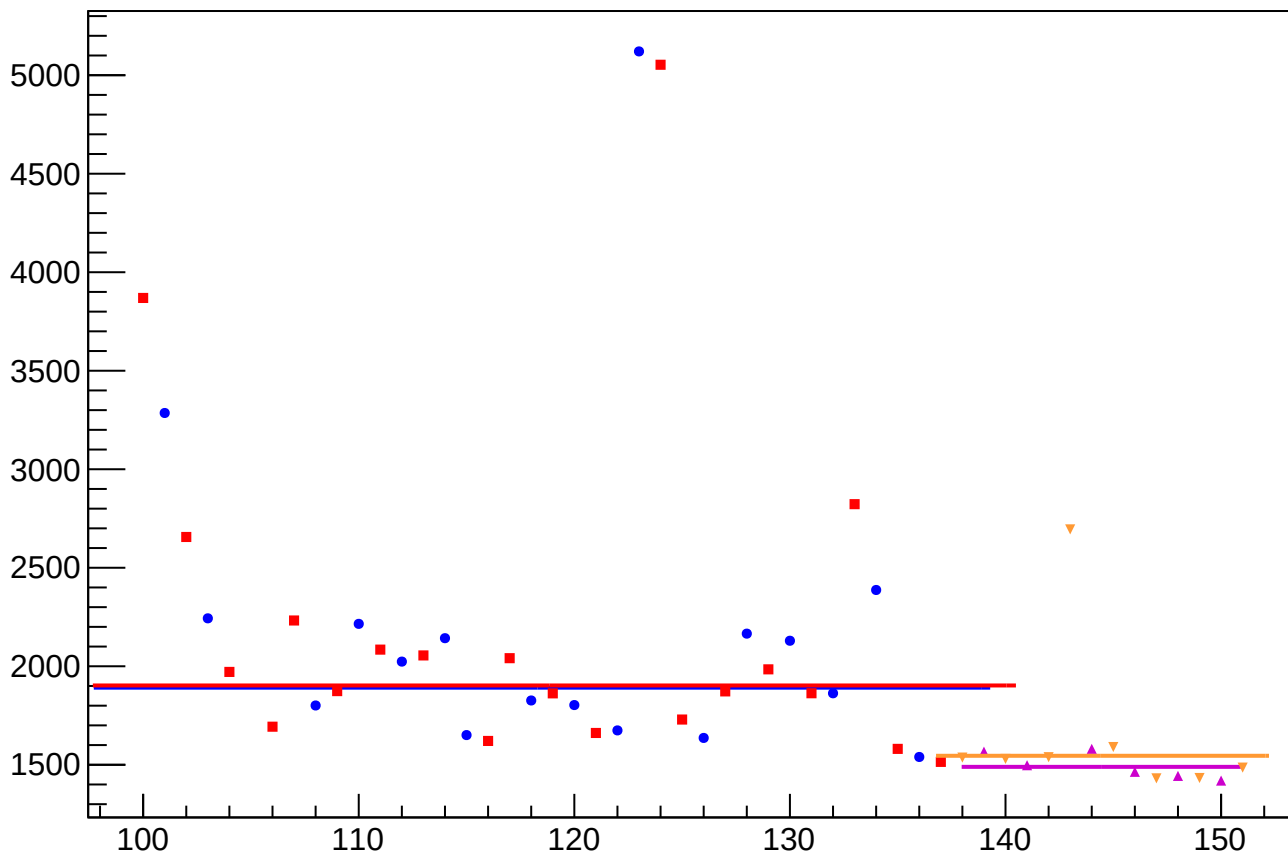
Left In: -285.525+/-673.698 χ^2/NDF : 5.2/5

-431.697+/-492.204 χ^2/NDF : 32.5/24

-351.218+/-349.286 χ^2/NDF : 48.1/50

-269.577+/-495.747 χ^2/NDF : 15.6/25

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: 1545.660 $\pm$ 0.461 χ^2 /NDF: 264702.4/7

Right Out: 1902.551 $\pm$ 0.518 χ^2 /NDF: 461077.0/19

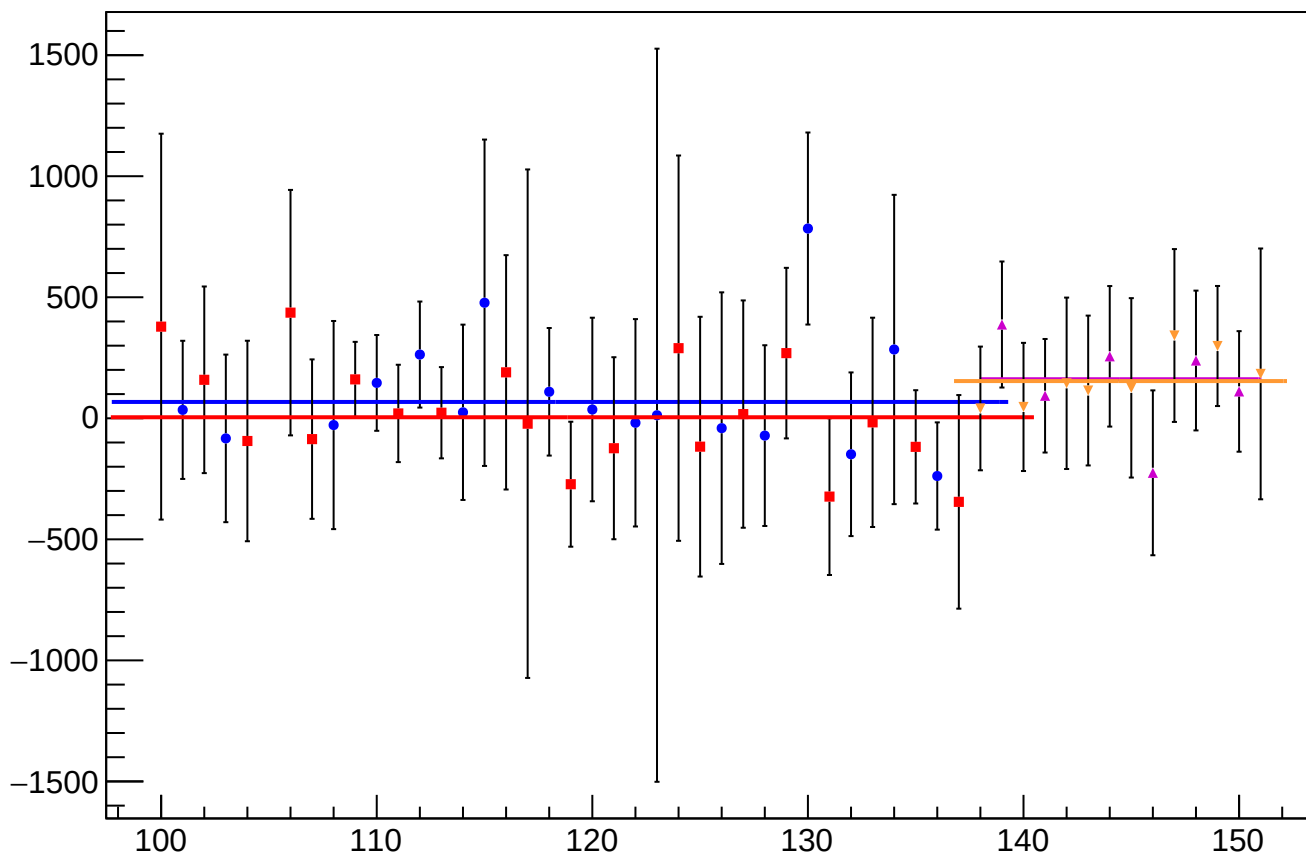
Left In: 1489.466 $\pm$ 0.476 χ^2 /NDF: 15531.0/5

1694.391 $\pm$ 0.348 χ^2 /NDF: 971209.0/24

1686.688 $\pm$ 0.247 χ^2 /NDF: 1793579.6/50

1678.873 $\pm$ 0.351 χ^2 /NDF: 821383.7/25

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.542+/-79.608 χ^2/NDF : 7.5/16

Left Out: 153.762+/-109.686 χ^2/NDF : 1.0/7

Right Out: 4.305+/-69.854 χ^2/NDF : 6.4/19

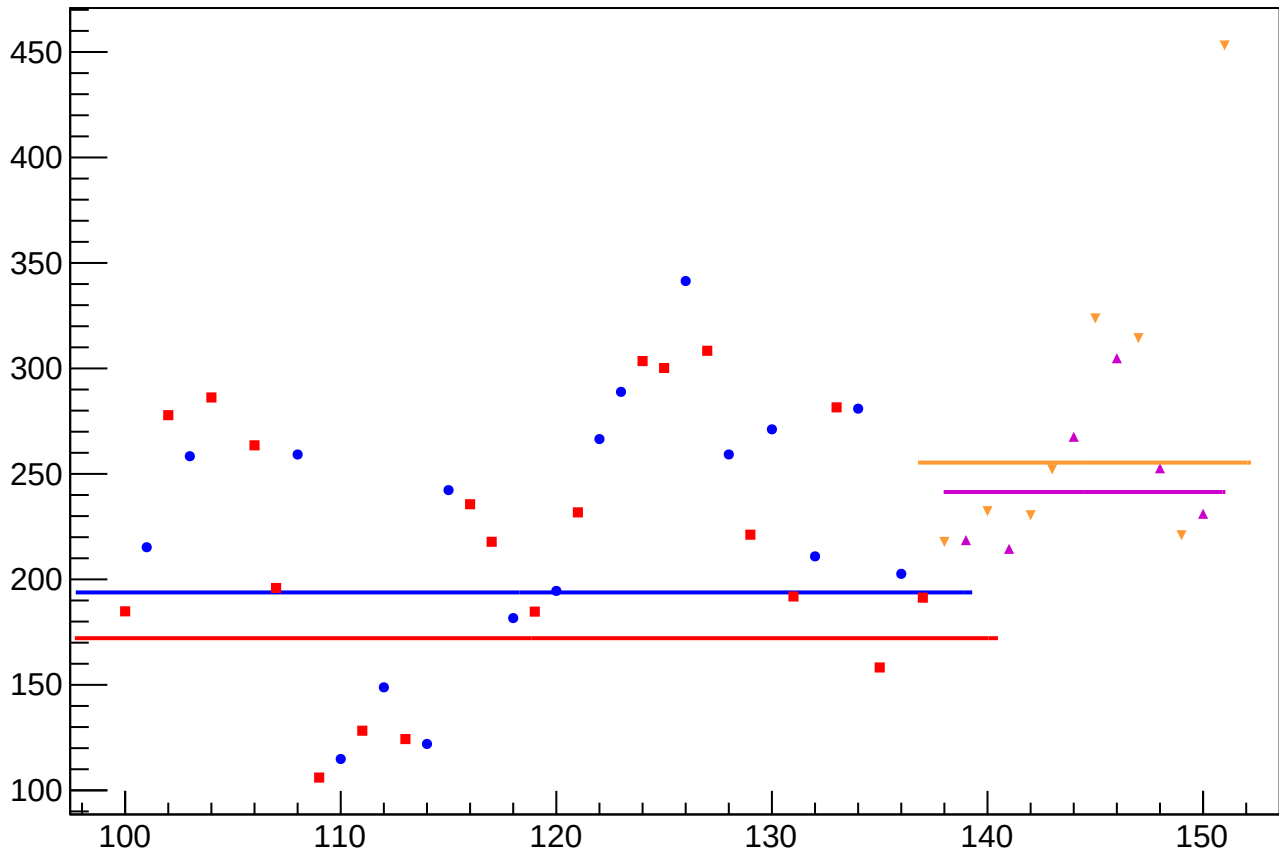
Left In: 161.358+/-110.732 χ^2/NDF : 2.3/5

97.289+/-64.428 χ^2/NDF : 8.9/24

71.065+/-43.544 χ^2/NDF : 19.4/50

49.014+/-59.081 χ^2/NDF : 10.1/25

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.815+/-0.056 χ^2/NDF : 1010325.5/16

Left Out: 255.361+/-0.078 χ^2/NDF : 521303.1/7

Right Out: 172.123+/-0.049 χ^2/NDF : 1580879.9/19

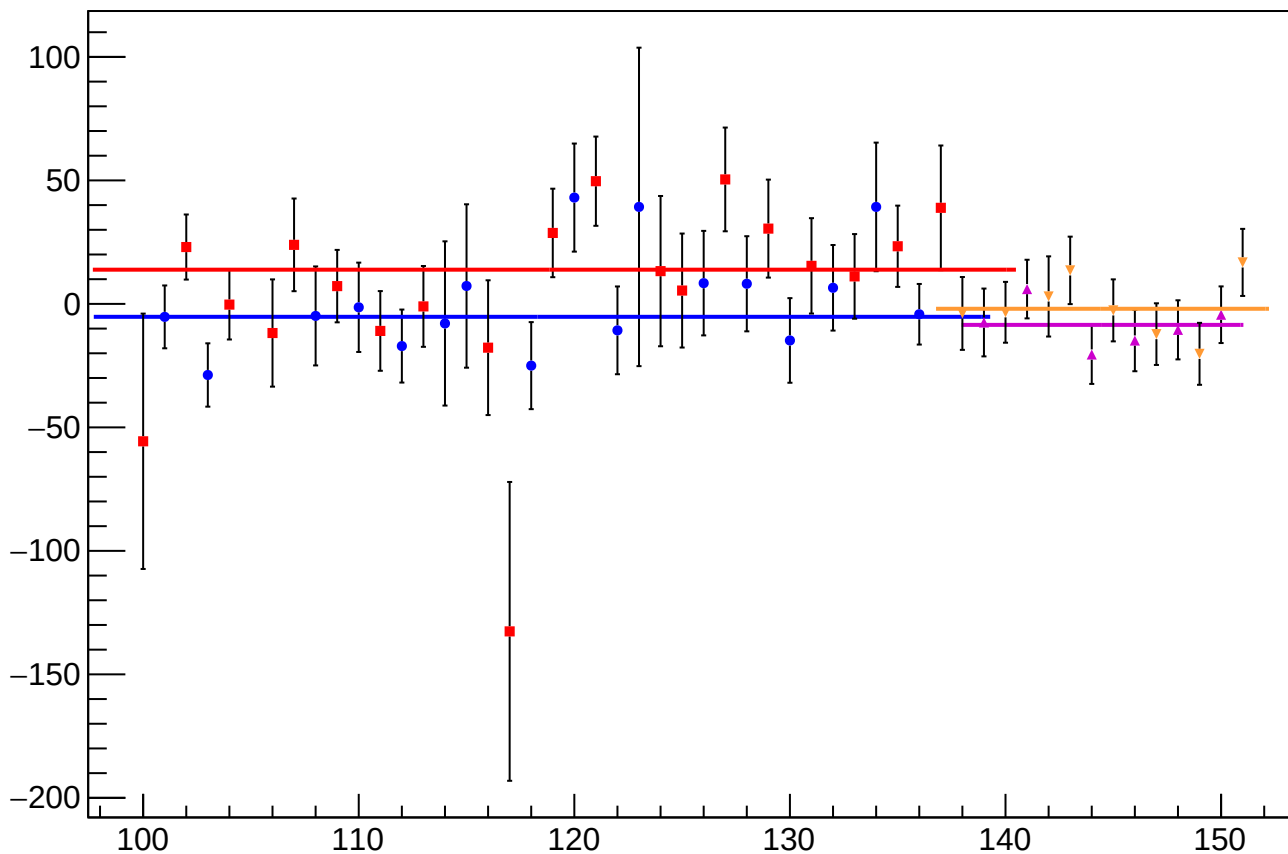
Left In: 241.418+/-0.078 χ^2/NDF : 133830.4/5

215.049+/-0.046 χ^2/NDF : 1944057.2/24

202.447+/-0.031 χ^2/NDF : 4359906.2/50

191.850+/-0.042 χ^2/NDF : 2274976.6/25

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.231 ± 4.356 $\chi^2/\text{NDF}: 15.5/16$

Left Out: -1.975 ± 4.720 $\chi^2/\text{NDF}: 6.1/7$

Right Out: 13.851 ± 4.255 $\chi^2/\text{NDF}: 25.4/19$

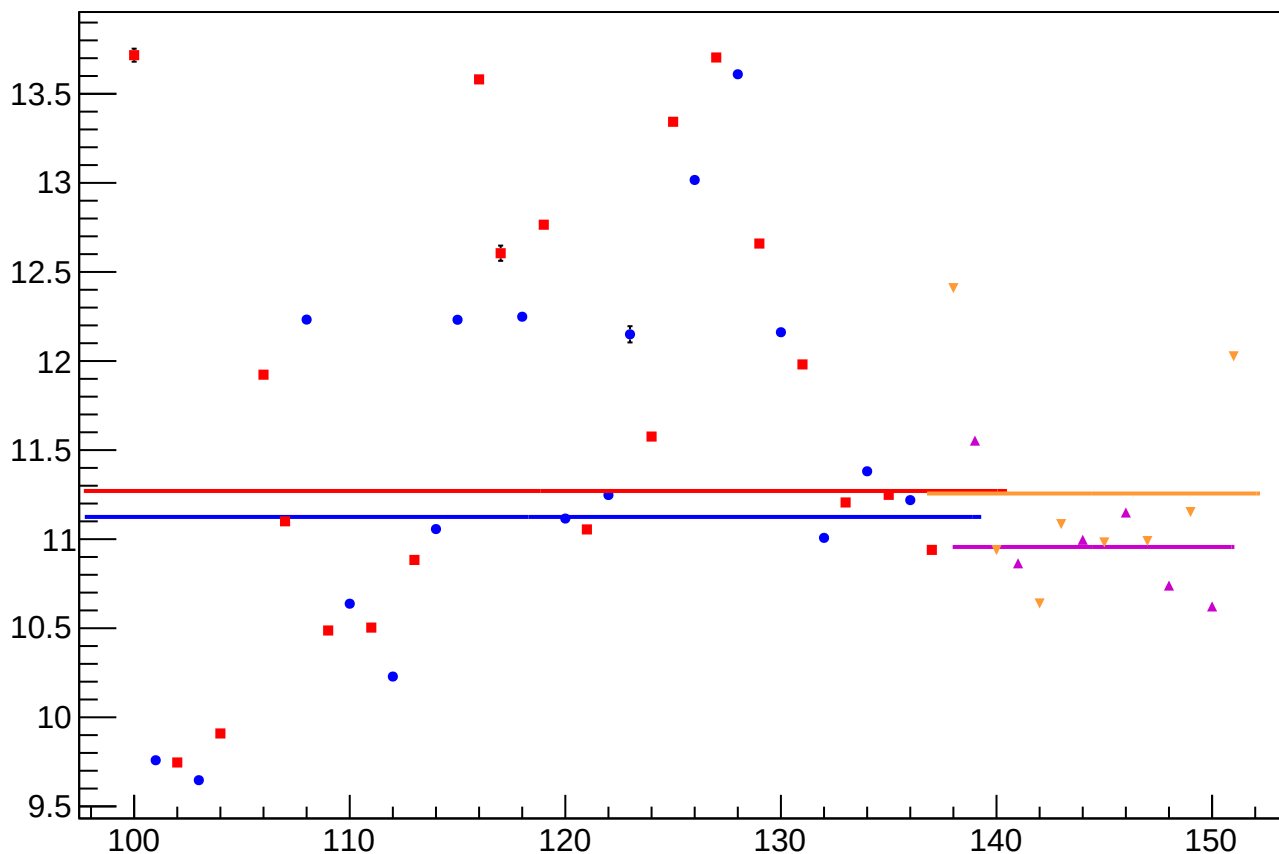
Left In: -8.500 ± 4.969 $\chi^2/\text{NDF}: 2.9/5$

-3.733 ± 3.201 $\chi^2/\text{NDF}: 21.9/24$

0.293 ± 2.274 $\chi^2/\text{NDF}: 65.1/50$

4.397 ± 3.232 $\chi^2/\text{NDF}: 40.0/25$

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: 11.256 $\pm$ 0.003 χ^2 /NDF: 25196.1/7

Right Out: 11.271 $\pm$ 0.003 χ^2 /NDF: 148711.4/19

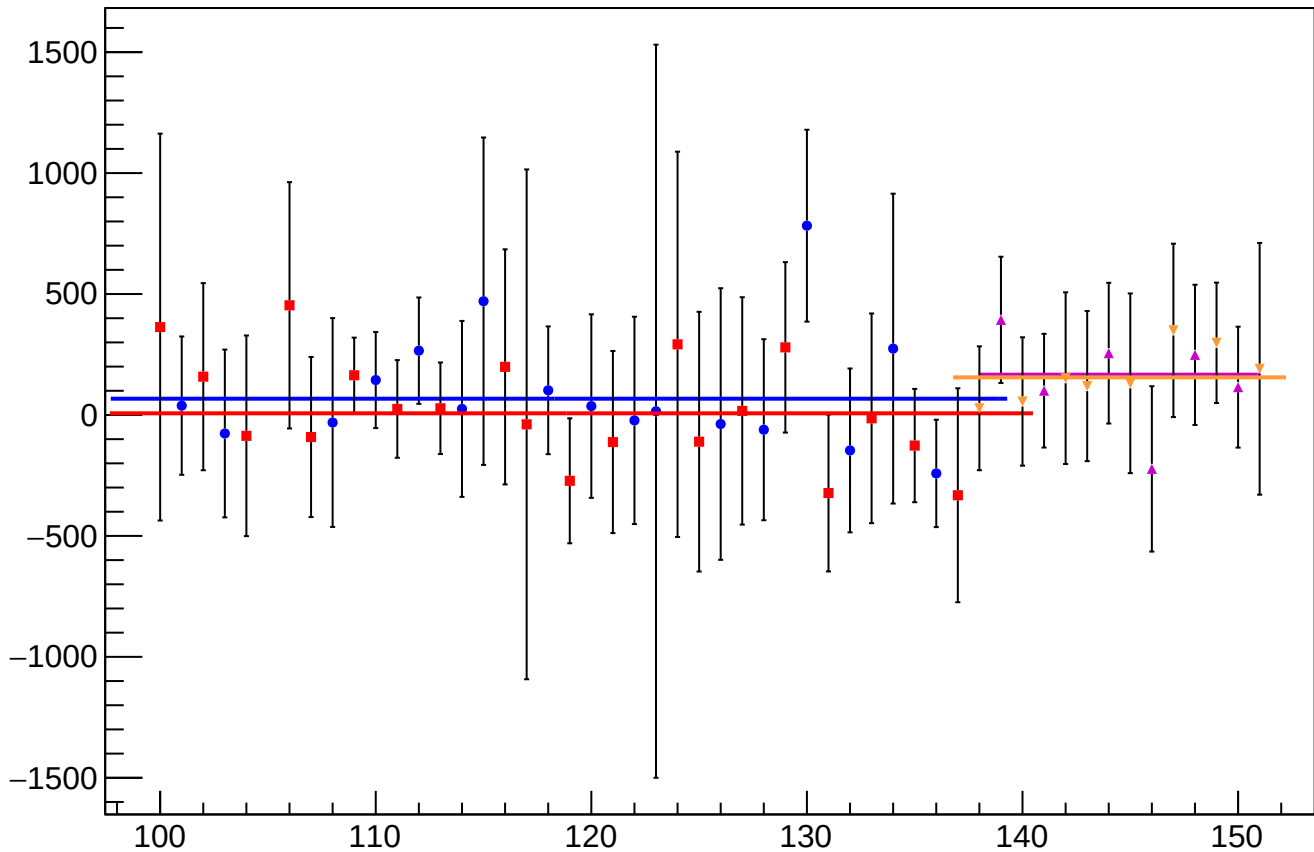
Left In: 10.956 $\pm$ 0.004 χ^2 /NDF: 6757.8/5

11.185 $\pm$ 0.002 χ^2 /NDF: 158555.4/24

11.162 $\pm$ 0.002 χ^2 /NDF: 318862.6/50

11.138 $\pm$ 0.002 χ^2 /NDF: 160087.2/25

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: 155.501+/-109.998 χ^2/NDF :1.0/7

Right Out: 6.837+/-70.057 χ^2/NDF : 6.4/19

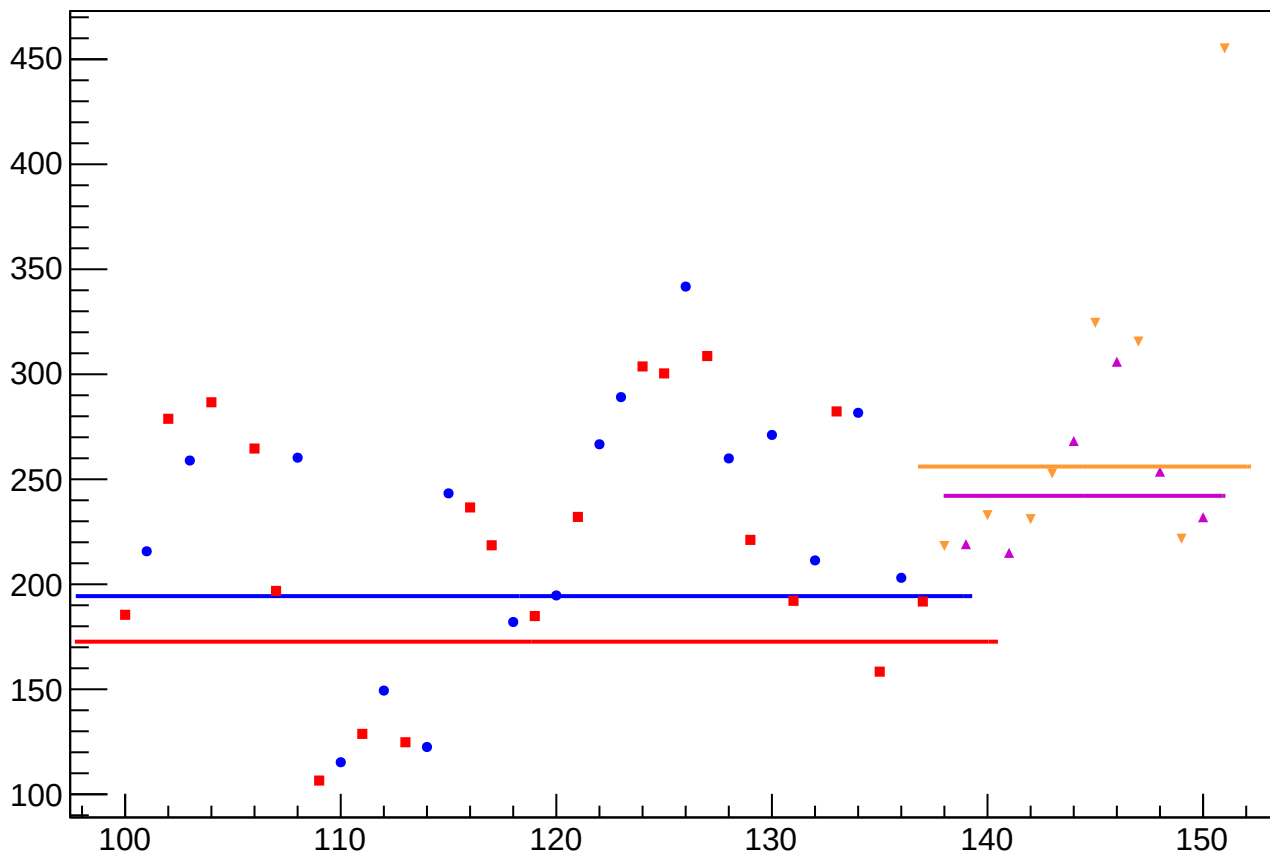
Left In: 166.602+/-111.058 χ^2/NDF :2.3/5

97.725+/-64.602 χ^2/NDF : 8.9/24

73.062+/-43.667 χ^2/NDF : 19.5/50

52.314+/-59.253 χ^2/NDF : 10.3/25

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.365 +/- 0.056 χ^2/NDF : 1005234.4/16

Left Out: 256.065 +/- 0.078 χ^2/NDF : 523023.2/7

Right Out: 172.675 +/- 0.050 χ^2/NDF : 1573459.1/19

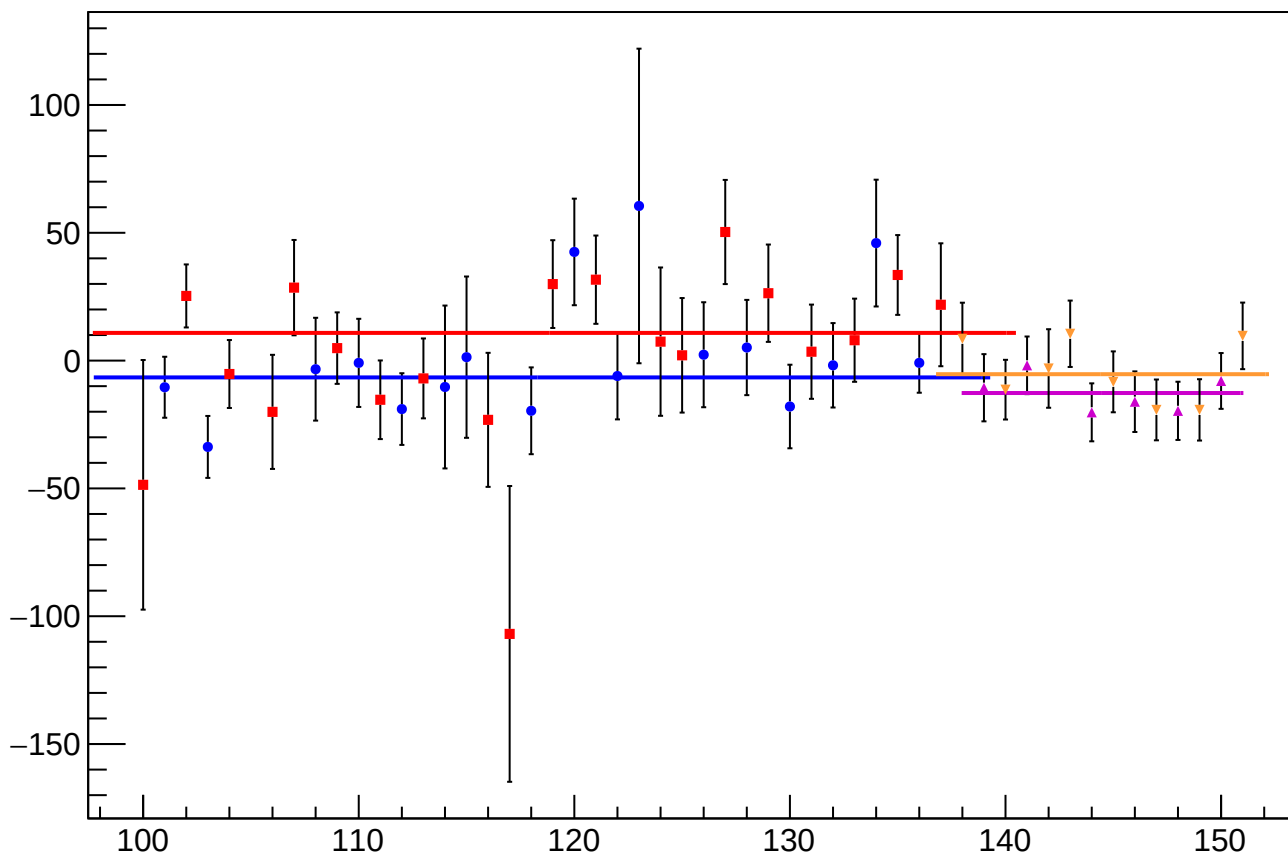
Left In: 242.119 +/- 0.079 χ^2/NDF : 134624.2/5

215.647 +/- 0.046 χ^2/NDF : 1940465.1/24

203.044 +/- 0.031 χ^2/NDF : 4348066.2/50

192.442 +/- 0.042 χ^2/NDF : 2267463.3/25

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.575 $\pm$ 4.157 χ^2/NDF : 19.3/16

Left Out: -5.318 $\pm$ 4.495 χ^2/NDF : 6.9/7

Right Out: 10.838 $\pm$ 4.070 χ^2/NDF : 27.1/19

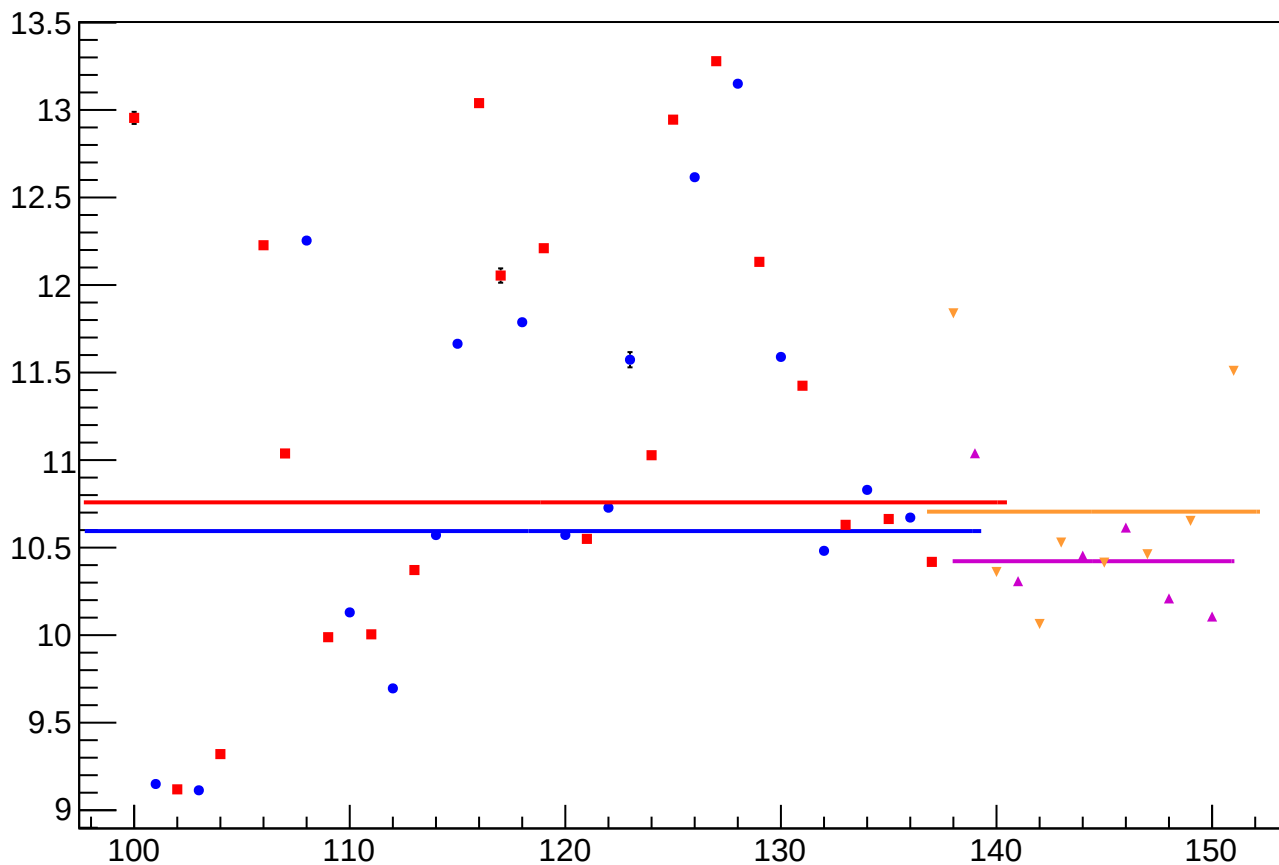
Left In: -12.678 $\pm$ 4.732 χ^2/NDF : 2.0/5

-5.996 $\pm$ 3.052 χ^2/NDF : 26.2/24

-2.615 $\pm$ 2.170 χ^2/NDF : 72.1/50

0.839 $\pm$ 3.085 χ^2/NDF : 43.4/25

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.594 $\pm$ 0.003 χ^2/NDF : 160059.2/16

Left Out: 10.705 $\pm$ 0.003 χ^2/NDF : 28189.2/7

Right Out: 10.758 $\pm$ 0.003 χ^2/NDF : 178180.9/19

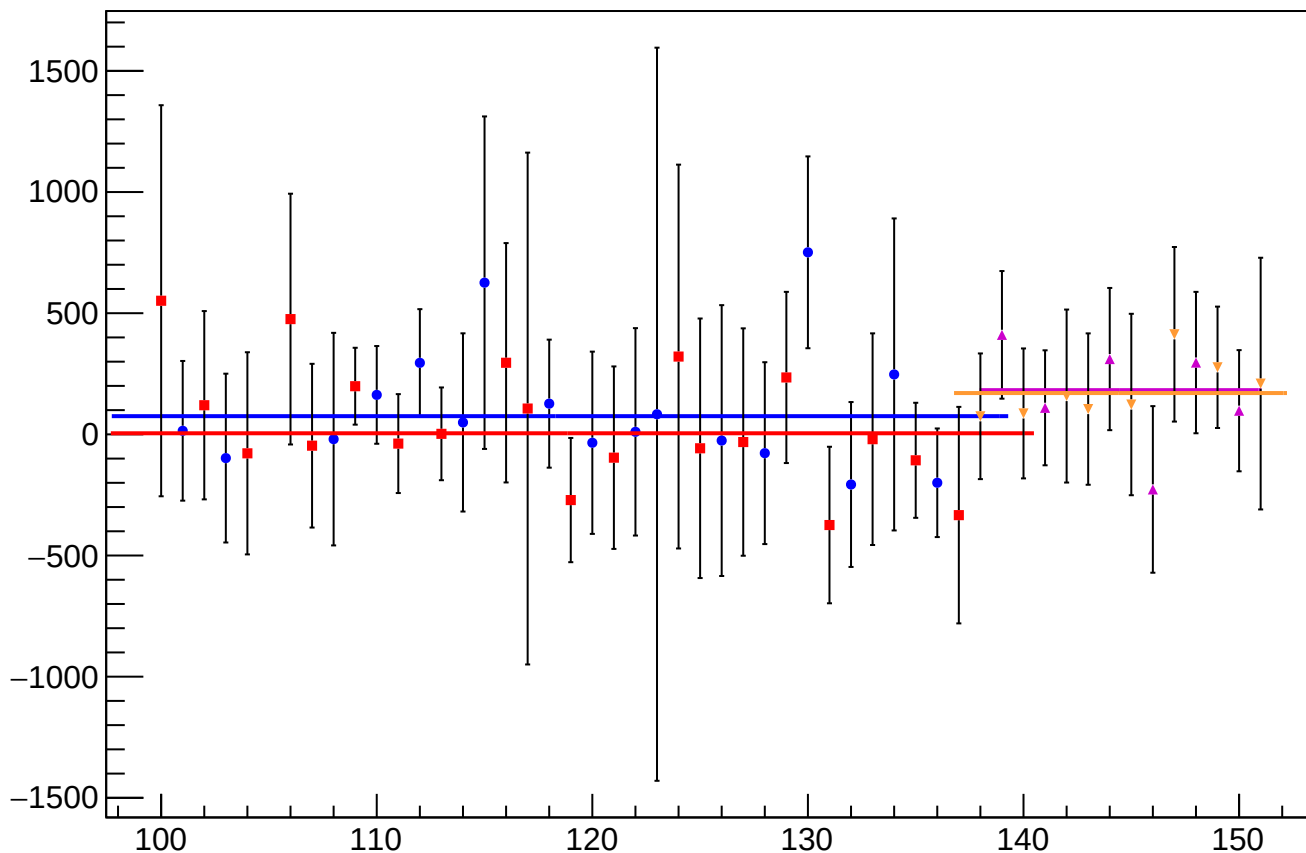
Left In: 10.422 $\pm$ 0.003 χ^2/NDF : 7521.3/5

10.646 $\pm$ 0.002 χ^2/NDF : 188905.2/24

10.631 $\pm$ 0.002 χ^2/NDF : 380504.5/50

10.616 $\pm$ 0.002 χ^2/NDF : 191503.3/25

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: 170.463 $\pm$ 110.865 χ^2 /NDF:0.9/7

Right Out: 4.459 $\pm$ 70.724 χ^2 /NDF: 7.3/19

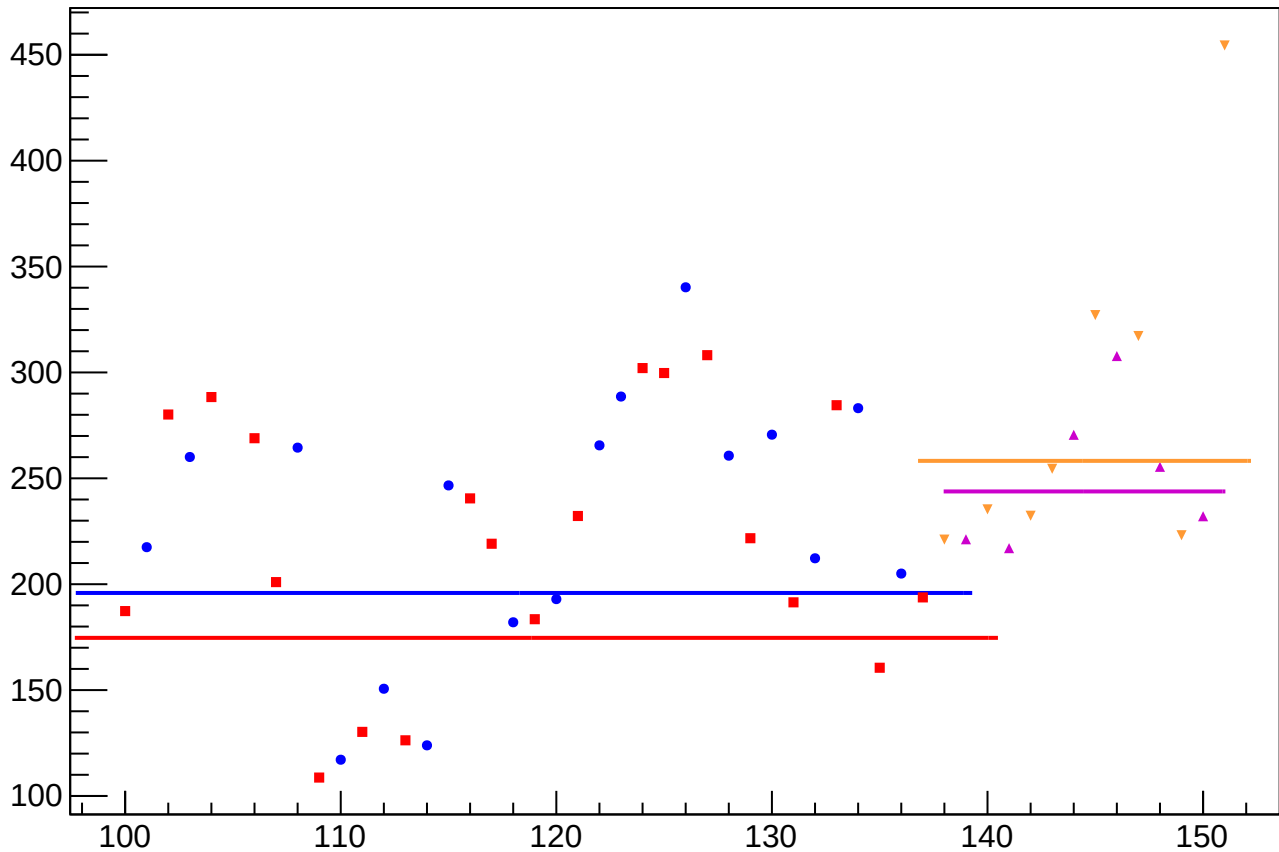
Left In: 182.421 $\pm$ 111.807 χ^2 /NDF:2.7/5

107.933 $\pm$ 65.061 χ^2 /NDF: 9.1/24

79.399 $\pm$ 44.015 χ^2 /NDF: 21.3/50

55.317 $\pm$ 59.770 χ^2 /NDF: 11.9/25

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.869 +/- 0.057 χ^2/NDF : 979247.4/16

Left Out: 258.244 +/- 0.078 χ^2/NDF : 512322.5/7

Right Out: 174.665 +/- 0.050 χ^2/NDF : 1532335.9/19

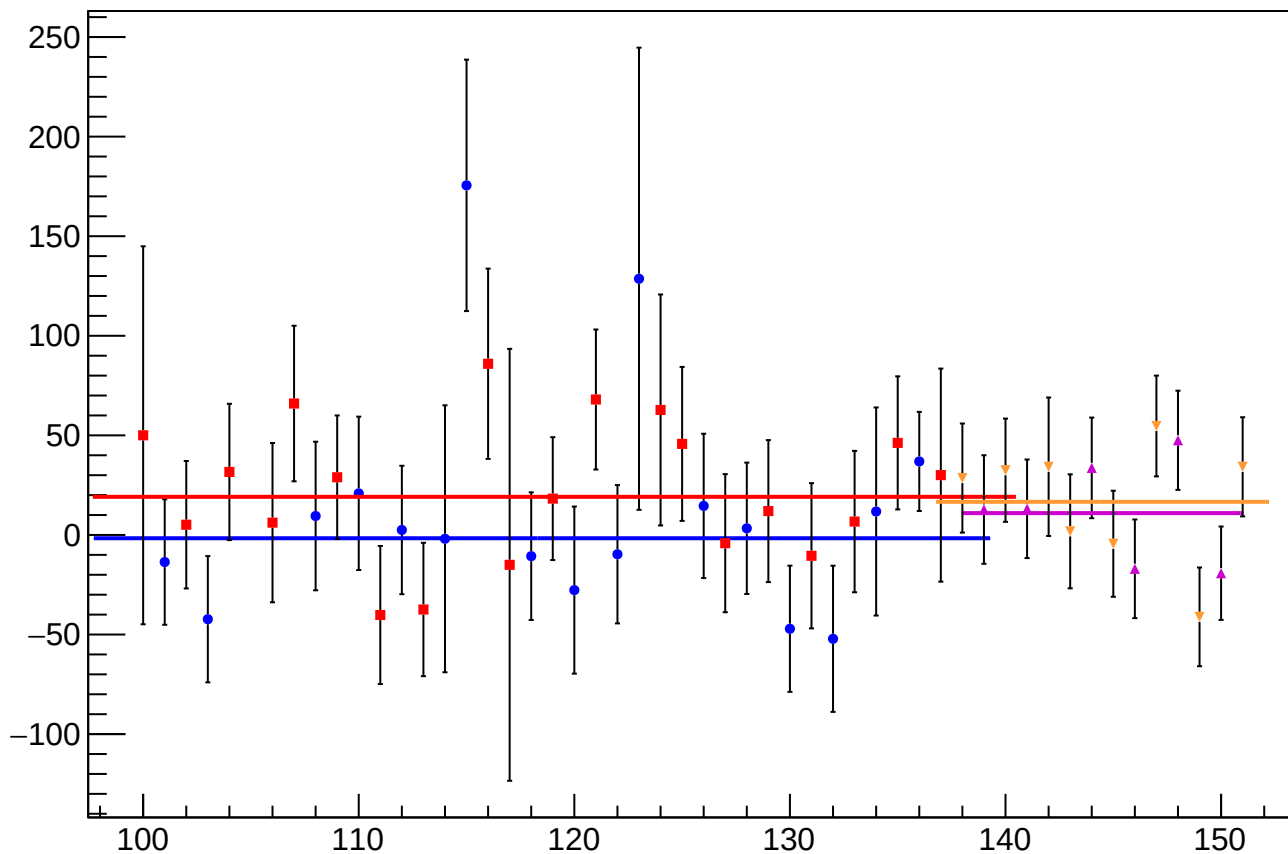
Left In: 243.804 +/- 0.079 χ^2/NDF : 133585.1/5

217.350 +/- 0.046 χ^2/NDF : 1906626.9/24

204.917 +/- 0.031 χ^2/NDF : 4253444.4/50

194.424 +/- 0.042 χ^2/NDF : 2212136.6/25

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: 16.635 ± 9.498 χ^2/NDF : 9.9/7

Right Out: 19.145 ± 8.529 χ^2/NDF : 14.9/19

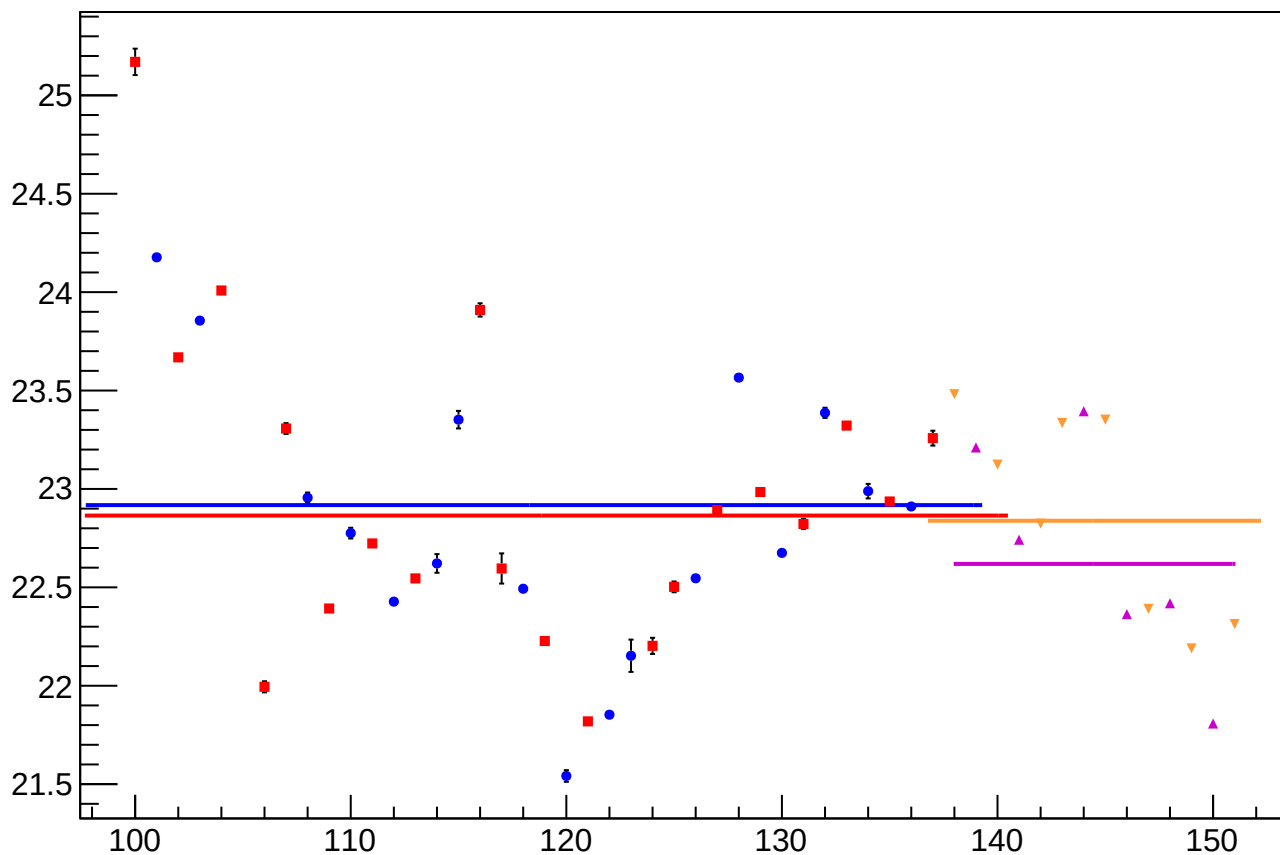
Left In: 10.969 ± 10.201 χ^2/NDF : 5.9/5

6.877 ± 6.487 χ^2/NDF : 30.4/24

11.291 ± 4.607 χ^2/NDF : 52.5/50

15.781 ± 6.543 χ^2/NDF : 21.1/25

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.918+/-0.006 χ^2 /NDF: 11472.2/16

Left Out: 22.838+/-0.007 χ^2 /NDF: 5577.9/7

Right Out: 22.865+/-0.006 χ^2 /NDF: 11064.9/19

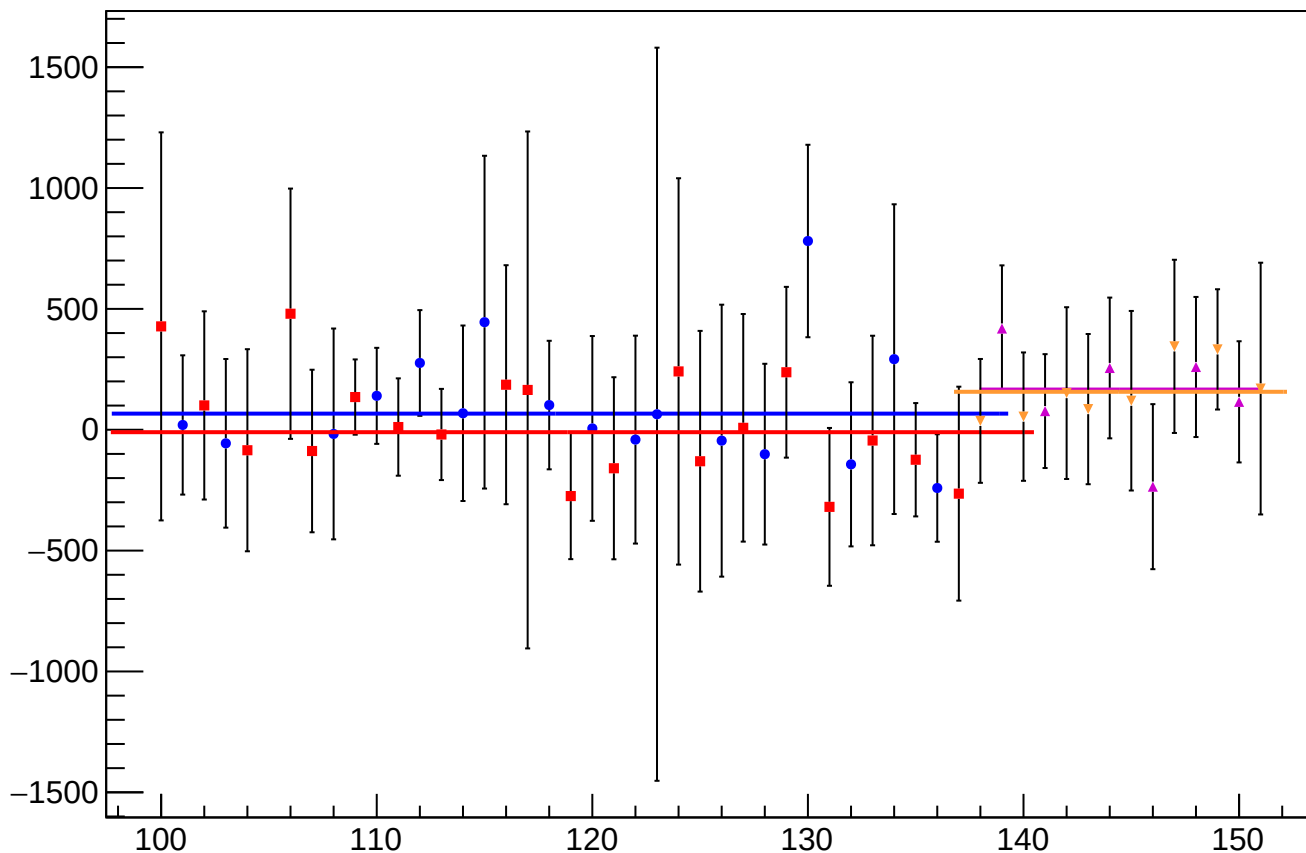
Left In: 22.619+/-0.007 χ^2 /NDF: 5611.1/5

22.881+/-0.005 χ^2 /NDF: 17125.0/24

22.823+/-0.003 χ^2 /NDF: 34806.1/50

22.764+/-0.005 χ^2 /NDF: 17358.2/25

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 66.701+/-79.995 χ^2/NDF : 7.5/16

Left Out: 157.046+/-110.047 χ^2/NDF : 1.2/7

Right Out: -10.113+/-70.234 χ^2/NDF : 5.7/19

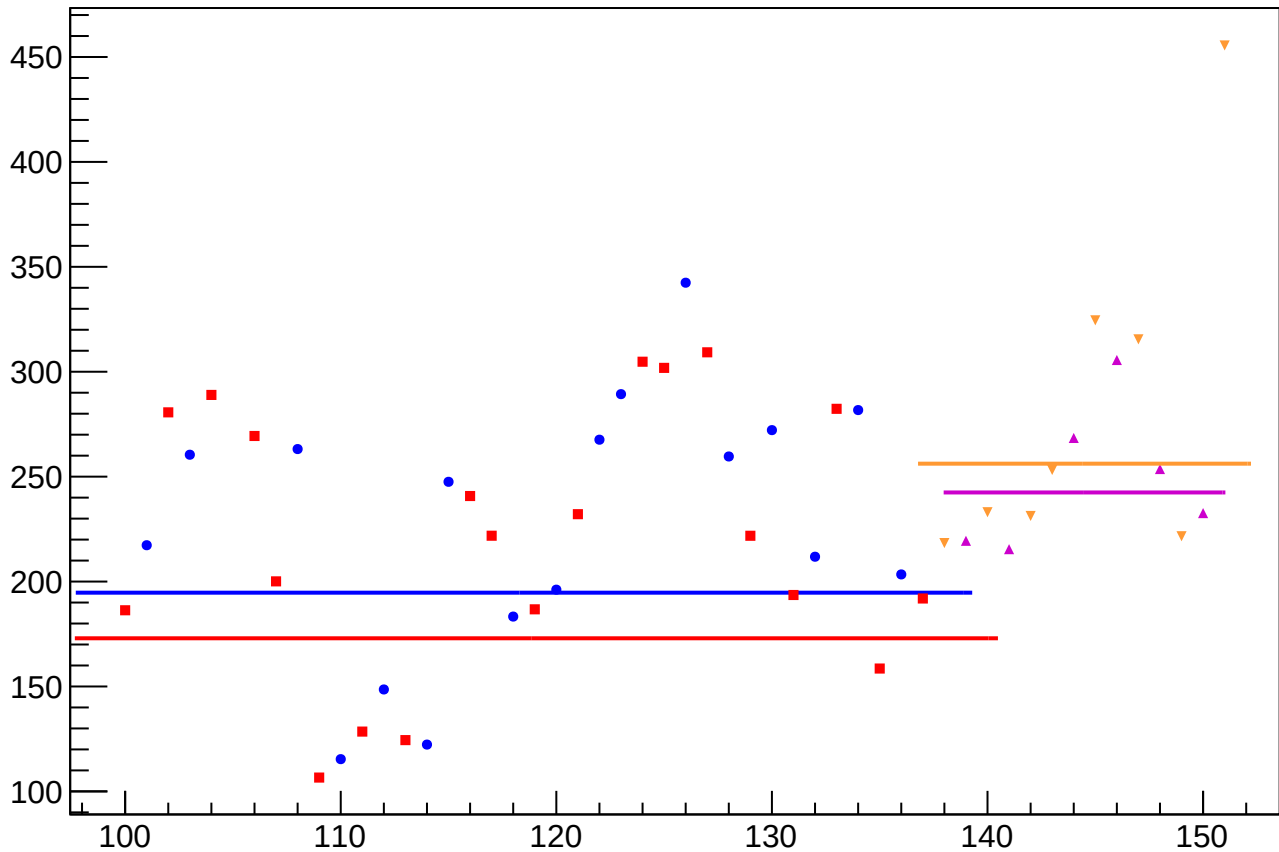
Left In: 166.297+/-111.199 χ^2/NDF : 2.7/5

97.935+/-64.706 χ^2/NDF : 9.2/24

66.592+/-43.750 χ^2/NDF : 19.8/50

40.194+/-59.381 χ^2/NDF : 10.2/25

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: 256.184 $\pm$ 0.078 χ^2/NDF : 522823.9/7

Right Out: 172.965 $\pm$ 0.050 χ^2/NDF : 1601142.0/19

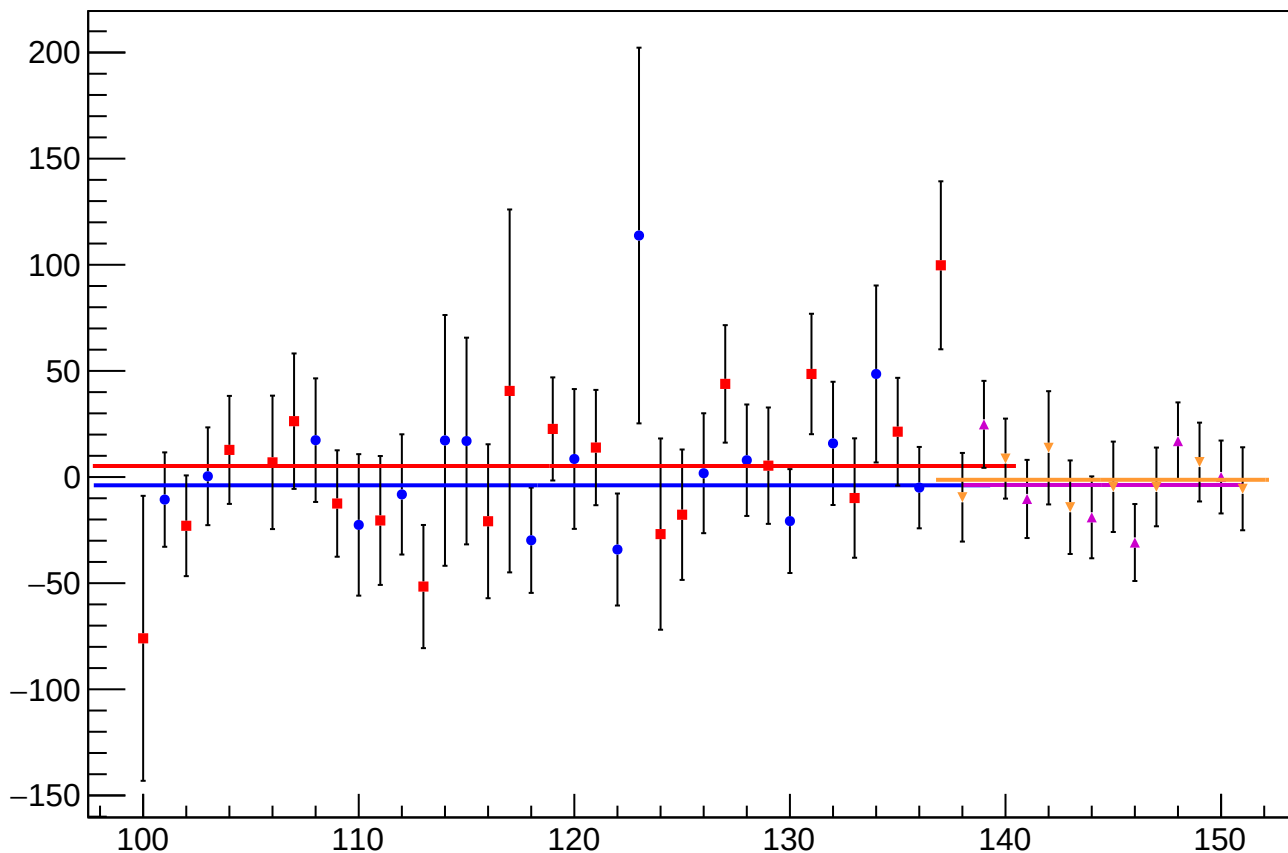
Left In: 242.464 $\pm$ 0.079 χ^2/NDF : 132227.5/5

215.958 $\pm$ 0.046 χ^2/NDF : 1951125.4/24

203.379 $\pm$ 0.031 χ^2/NDF : 4382210.1/50

192.784 $\pm$ 0.042 χ^2/NDF : 2291829.5/25

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.894 $\pm$ 6.915 χ^2 /NDF: 8.4/16

Left Out: -1.298 $\pm$ 7.216 χ^2 /NDF: 1.4/7

Right Out: 5.204 $\pm$ 6.706 χ^2 /NDF: 21.5/19

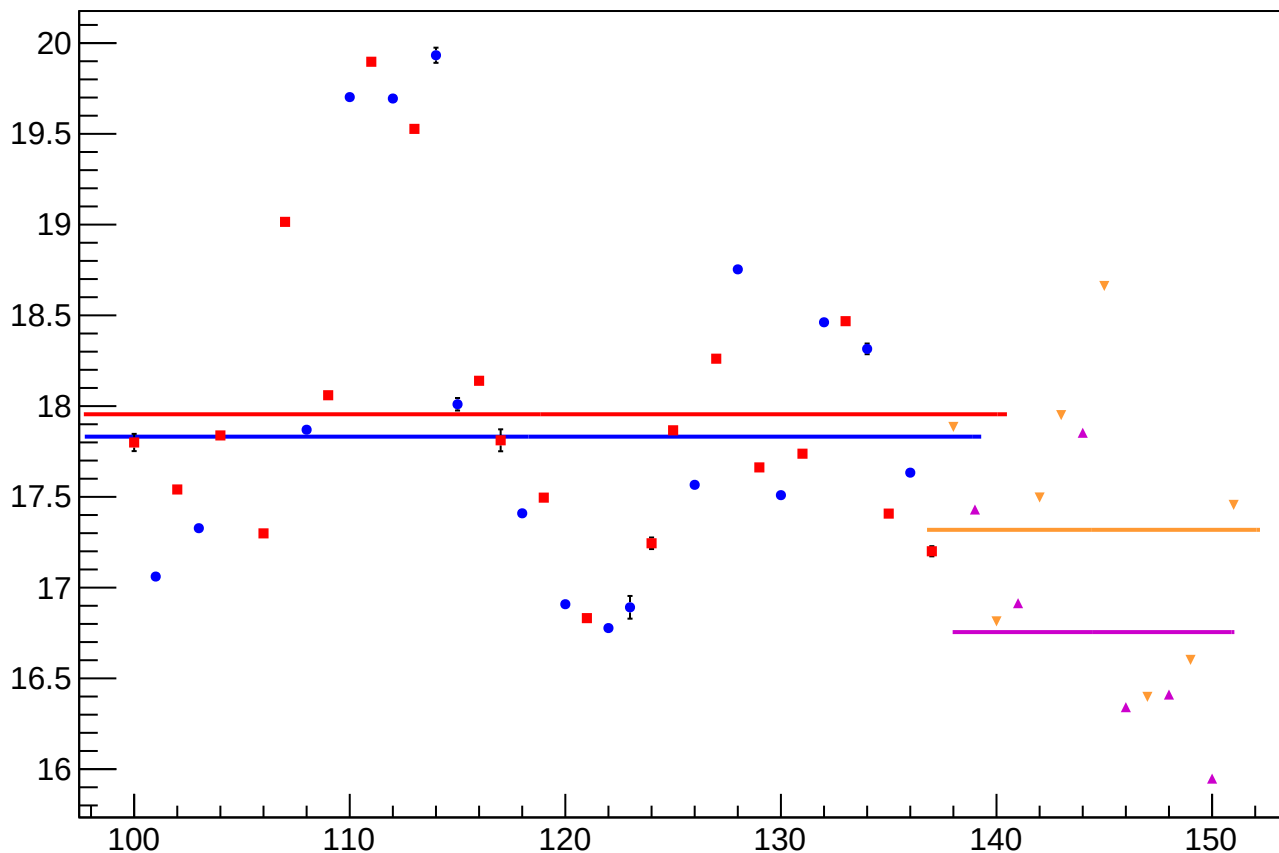
Left In: -3.734 $\pm$ 7.568 χ^2 /NDF: 6.3/5

-2.652 $\pm$ 4.993 χ^2 /NDF: 9.9/24

-0.700 $\pm$ 3.540 χ^2 /NDF: 38.7/50

1.273 $\pm$ 5.019 χ^2 /NDF: 28.5/25

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: 17.318 $\pm$ 0.005 χ^2/NDF : 20603.3/7

Right Out: 17.955 $\pm$ 0.005 χ^2/NDF : 25454.6/19

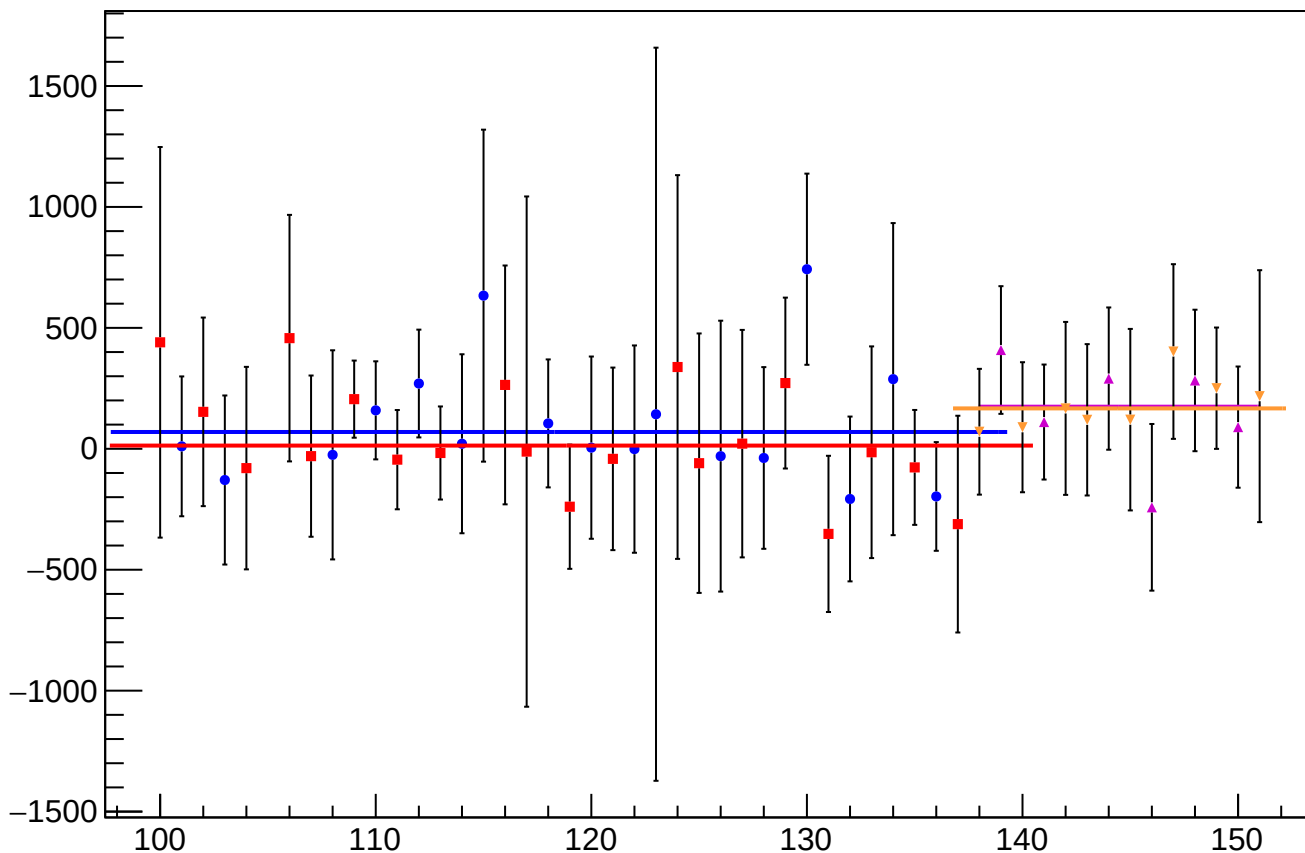
Left In: 16.755 $\pm$ 0.005 χ^2/NDF : 14976.2/5

17.586 $\pm$ 0.004 χ^2/NDF : 56742.5/24

17.507 $\pm$ 0.003 χ^2/NDF : 126349.9/50

17.427 $\pm$ 0.004 χ^2/NDF : 68601.5/25

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 69.511+/-80.550 χ^2/NDF : 7.4/16

Left Out: 167.025+/-111.102 χ^2/NDF : 0.8/7

Right Out: 13.298+/-70.881 χ^2/NDF : 6.7/19

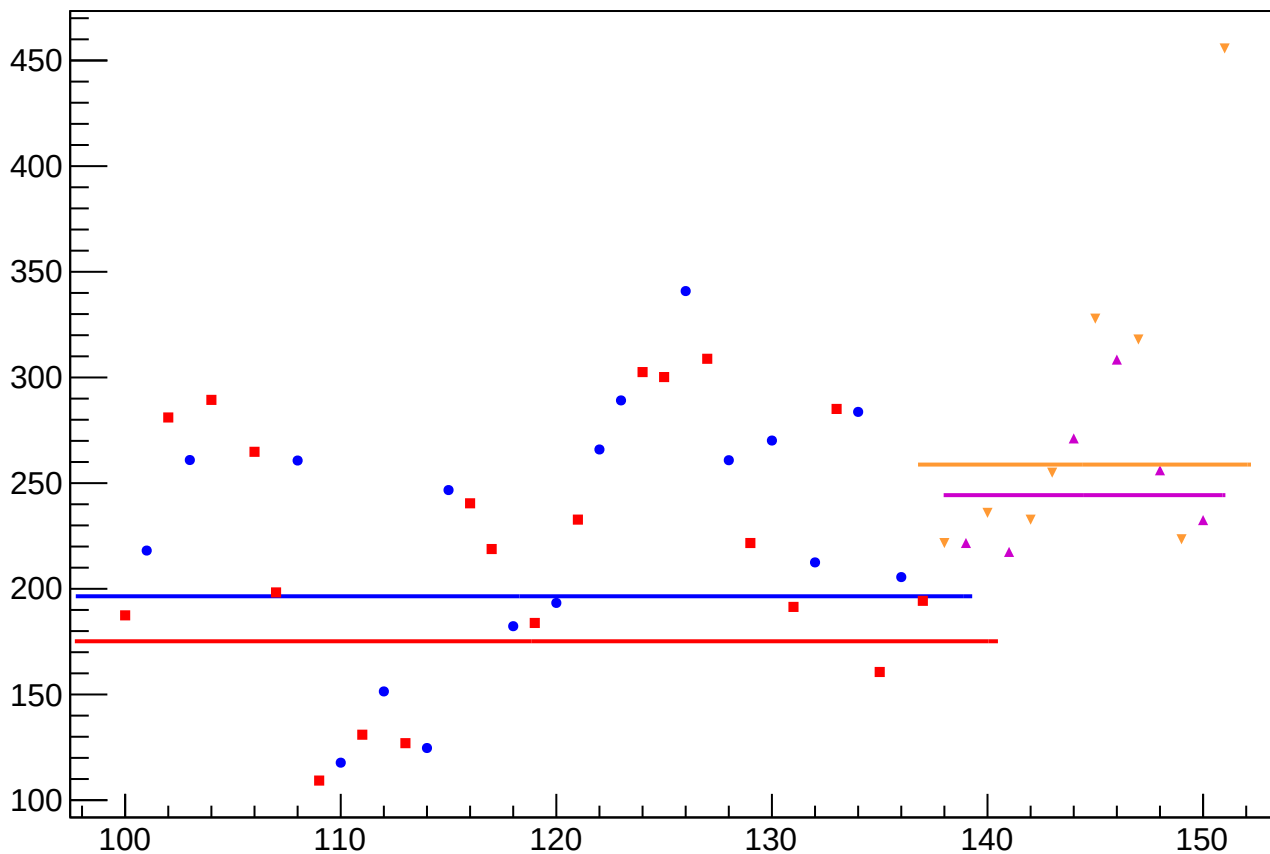
Left In: 174.129+/-112.045 χ^2/NDF : 2.7/5

103.108+/-65.214 χ^2/NDF : 8.7/24

79.328+/-44.115 χ^2/NDF : 19.8/50

59.265+/-59.901 χ^2/NDF : 10.9/25

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: 258.787 $\pm$ 0.079 χ^2 /NDF: 513158.3/7

Right Out: 175.179 $\pm$ 0.050 χ^2 /NDF: 1514541.6/19

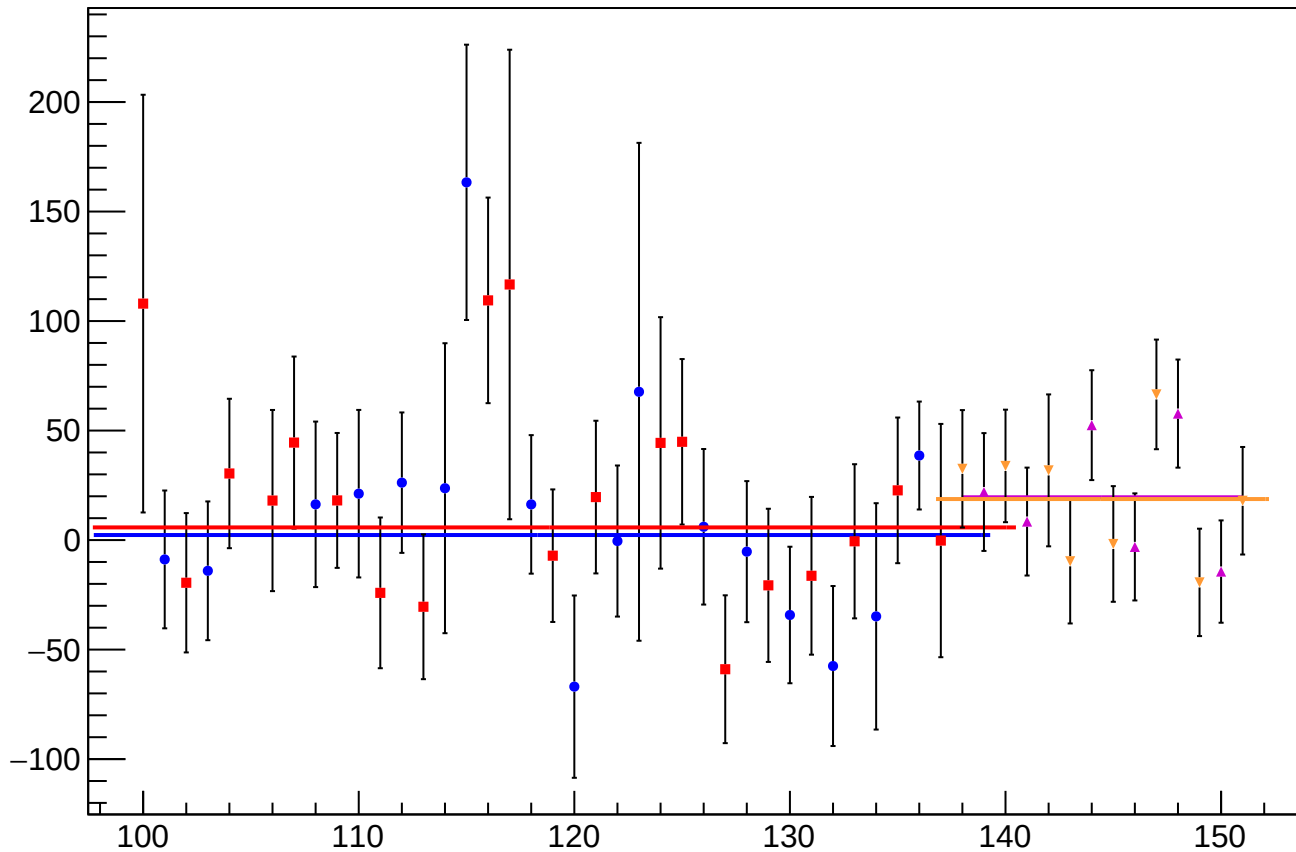
Left In: 244.321 $\pm$ 0.079 χ^2 /NDF: 133888.1/5

217.941 $\pm$ 0.046 χ^2 /NDF: 1889858.9/24

205.466 $\pm$ 0.031 χ^2 /NDF: 4217149.2/50

194.941 $\pm$ 0.042 χ^2 /NDF: 2192361.4/25

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.307 $\pm$ 8.805 χ^2/NDF : 18.1/16

Left Out: 18.735 $\pm$ 9.394 χ^2/NDF : 8.4/7

Right Out: 5.783 $\pm$ 8.453 χ^2/NDF : 18.2/19

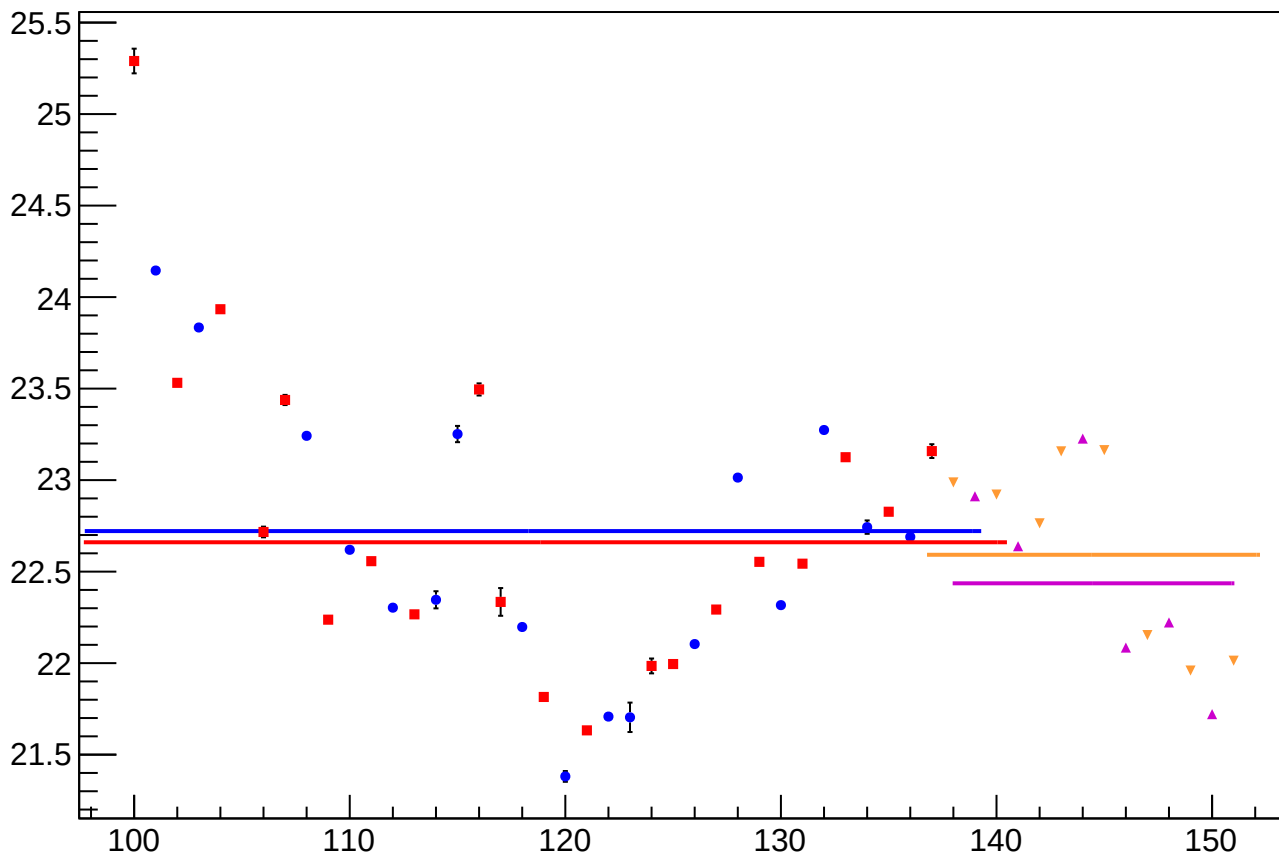
Left In: 19.547 $\pm$ 10.118 χ^2/NDF : 7.3/5

9.990 $\pm$ 6.424 χ^2/NDF : 28.1/24

10.708 $\pm$ 4.565 χ^2/NDF : 54.8/50

11.441 $\pm$ 6.487 χ^2/NDF : 26.6/25

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: 22.592 $\pm$ 0.007 χ^2 /NDF: 5598.7/7

Right Out: 22.660 $\pm$ 0.006 χ^2 /NDF: 12974.2/19

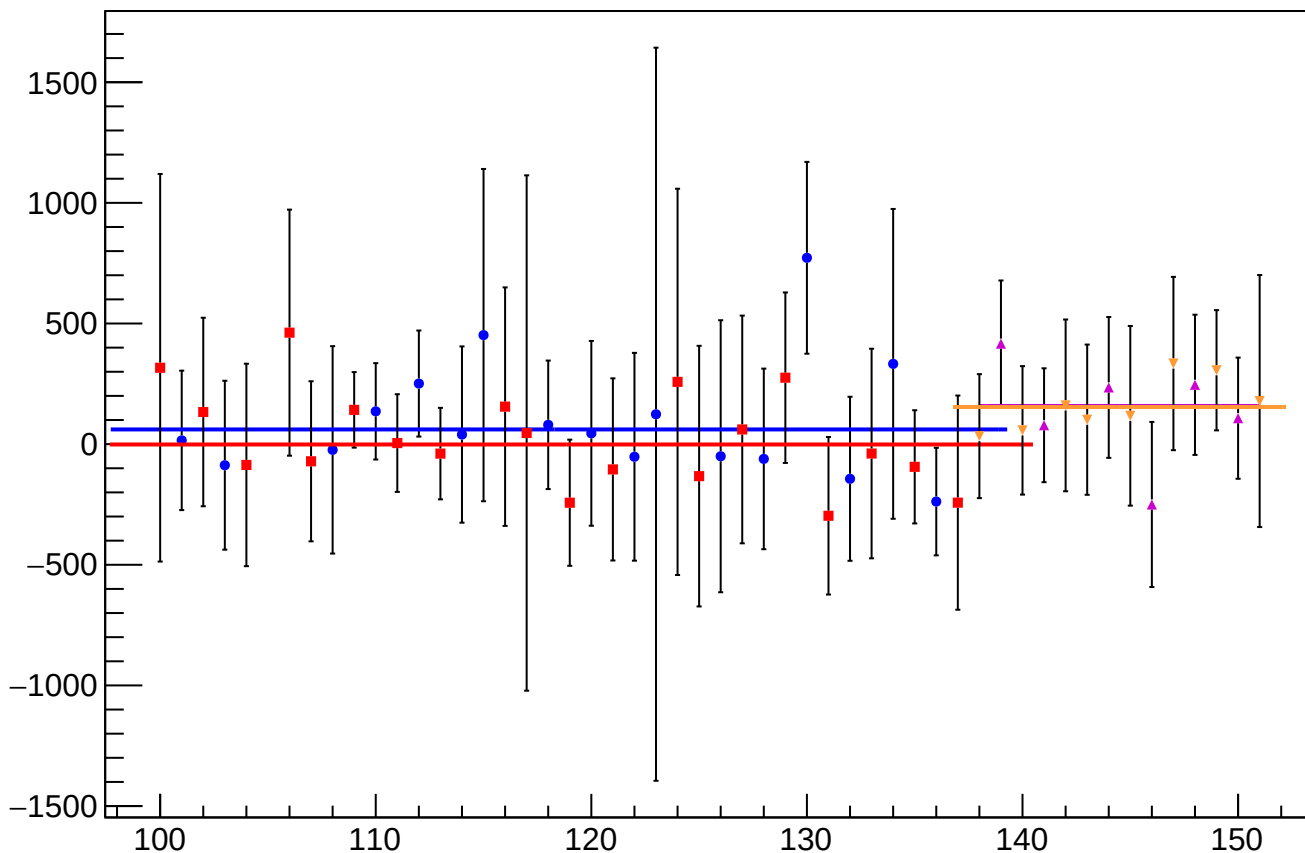
Left In: 22.436 $\pm$ 0.007 χ^2 /NDF: 5184.7/5

22.661 $\pm$ 0.005 χ^2 /NDF: 19381.5/24

22.615 $\pm$ 0.003 χ^2 /NDF: 38325.7/50

22.568 $\pm$ 0.005 χ^2 /NDF: 18737.7/25

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: 153.825 $\pm$ 110.285 χ^2 /NDF:1.0/7

Right Out: -1.439 $\pm$ 70.395 χ^2 /NDF: 5.2/19

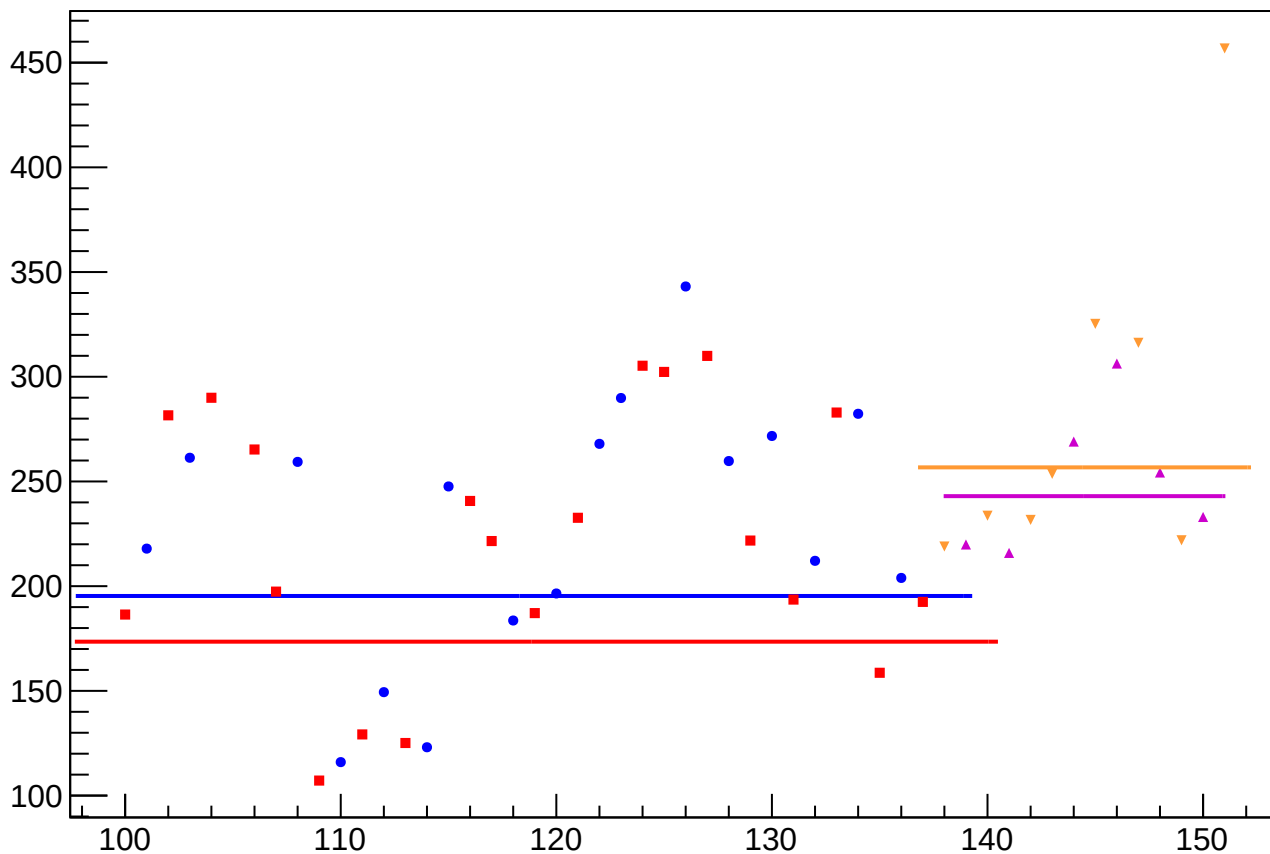
Left In: 158.005 $\pm$ 111.438 χ^2 /NDF:2.7/5

93.081 $\pm$ 64.861 χ^2 /NDF: 8.7/24

66.456 $\pm$ 43.852 χ^2 /NDF: 18.4/50

44.038 $\pm$ 59.515 χ^2 /NDF: 9.3/25

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.316 $\pm$ 0.057 χ^2/NDF : 1004211.5/16

Left Out: 256.728 $\pm$ 0.078 χ^2/NDF : 523613.9/7

Right Out: 173.495 $\pm$ 0.050 χ^2/NDF : 1582449.6/19

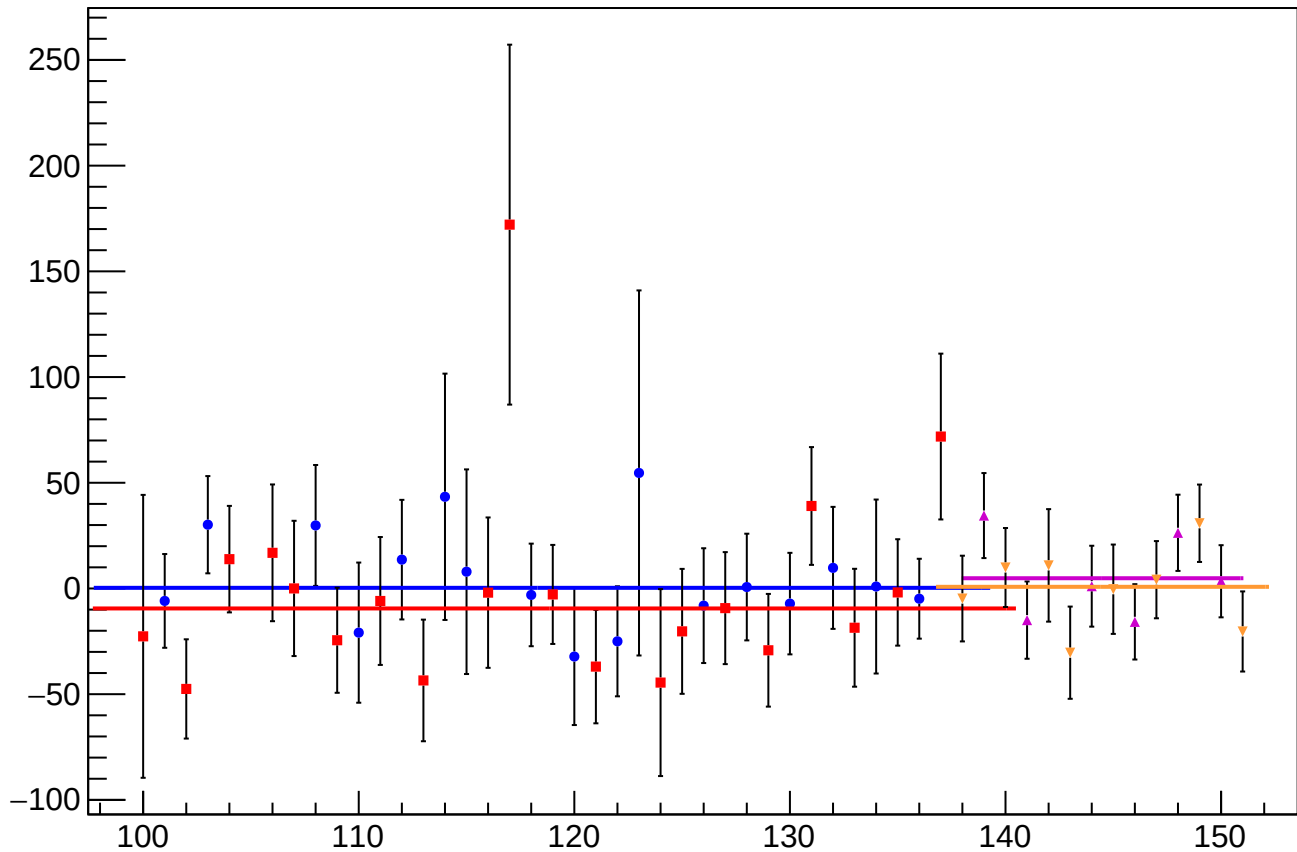
Left In: 242.985 $\pm$ 0.079 χ^2/NDF : 132516.8/5

216.557 $\pm$ 0.046 χ^2/NDF : 1933480.5/24

203.939 $\pm$ 0.031 χ^2/NDF : 4343740.2/50

193.315 $\pm$ 0.042 χ^2/NDF : 2270836.3/25

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: 0.782 ± 7.102 χ^2/NDF : 6.5/7

Right Out: -9.452 ± 6.608 χ^2/NDF : 20.6/19

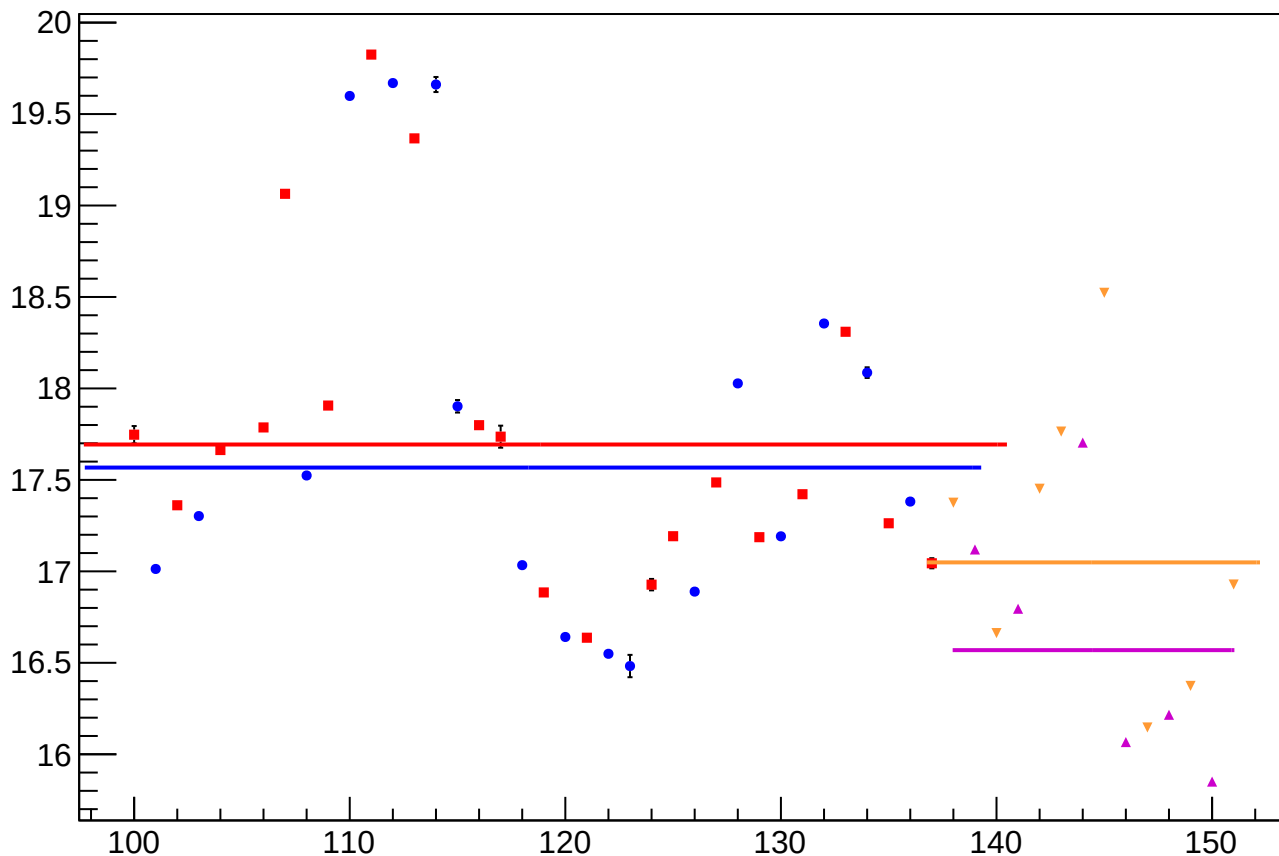
Left In: 4.844 ± 7.483 χ^2/NDF : 6.2/5

0.534 ± 4.916 χ^2/NDF : 13.3/24

-1.313 ± 3.489 χ^2/NDF : 42.4/50

-3.188 ± 4.953 χ^2/NDF : 28.8/25

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.567 $\pm$ 0.005 χ^2/NDF : 33145.0/16

Left Out: 17.049 $\pm$ 0.005 χ^2/NDF : 21402.3/7

Right Out: 17.693 $\pm$ 0.005 χ^2/NDF : 30767.6/19

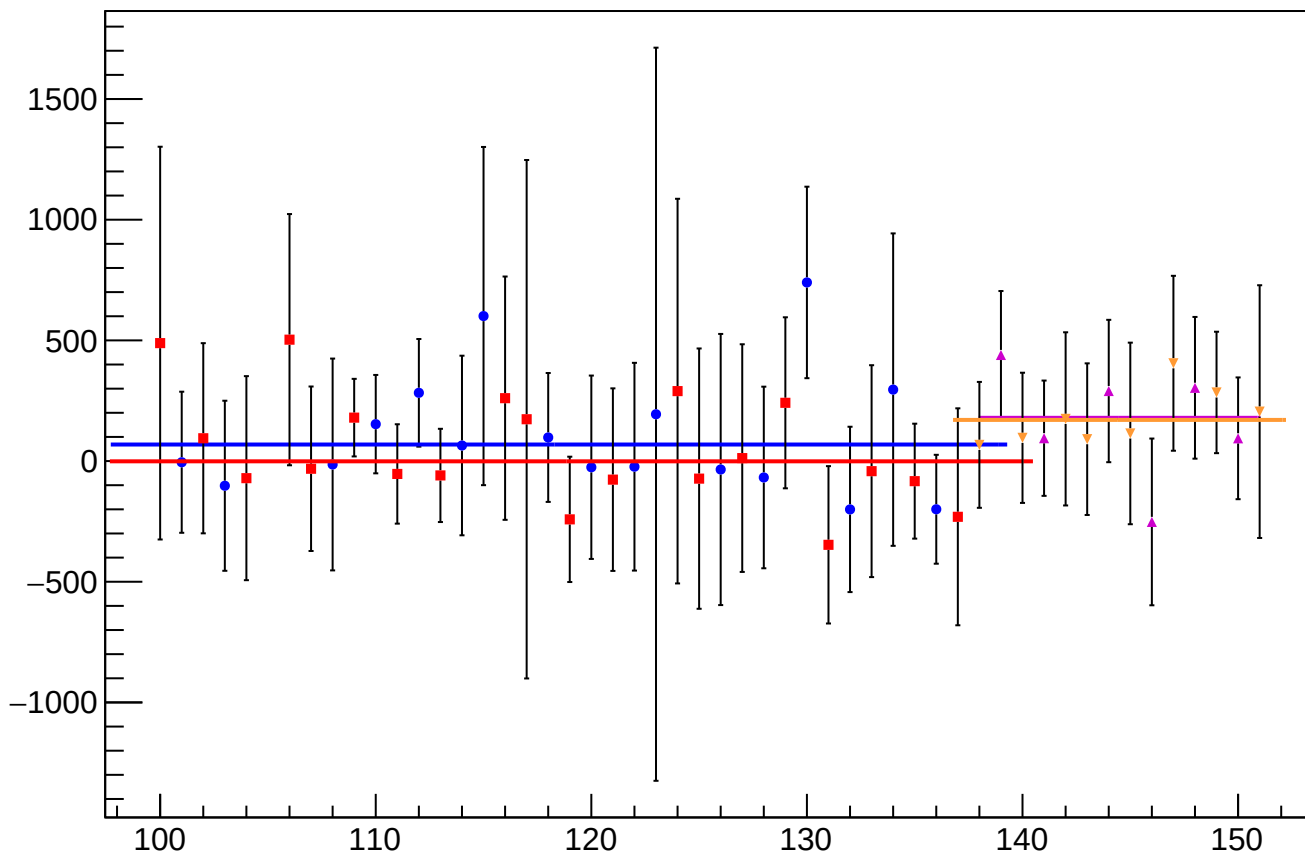
Left In: 16.569 $\pm$ 0.005 χ^2/NDF : 14746.2/5

17.319 $\pm$ 0.003 χ^2/NDF : 60097.1/24

17.260 $\pm$ 0.002 χ^2/NDF : 131545.1/50

17.201 $\pm$ 0.004 χ^2/NDF : 70875.7/25

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: 170.509 $\pm$ 111.465 χ^2 /NDF:0.9/7

Right Out: -1.057 $\pm$ 71.380 χ^2 /NDF: 6.1/19

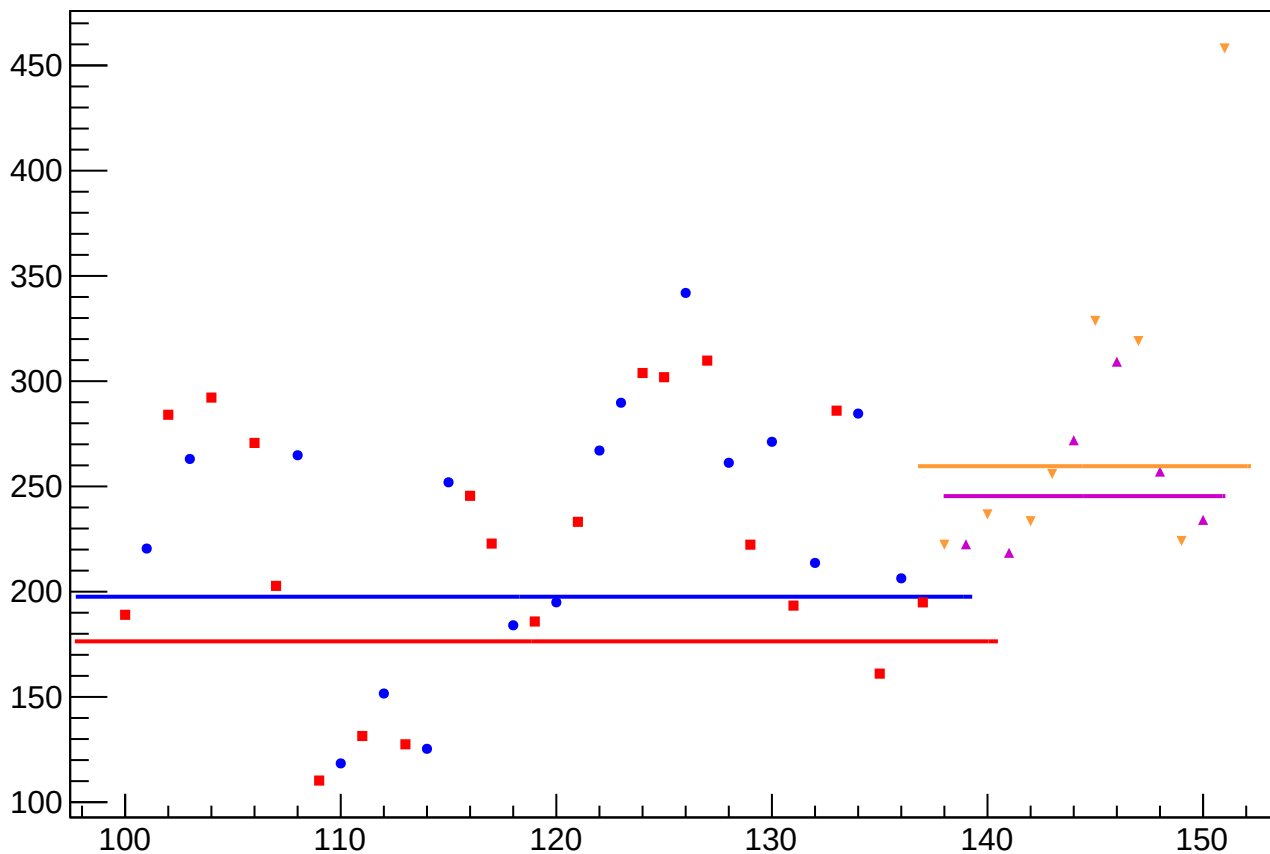
Left In: 179.178 $\pm$ 112.526 χ^2 /NDF:3.1/5

103.797 $\pm$ 65.536 χ^2 /NDF: 8.8/24

75.010 $\pm$ 44.364 χ^2 /NDF: 20.2/50

50.658 $\pm$ 60.275 χ^2 /NDF: 11.1/25

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.603 $\pm$ 0.057 χ^2 /NDF: 968827.8/16

Left Out: 259.616 $\pm$ 0.079 χ^2 /NDF: 514581.3/7

Right Out: 176.407 $\pm$ 0.050 χ^2 /NDF: 1523589.5/19

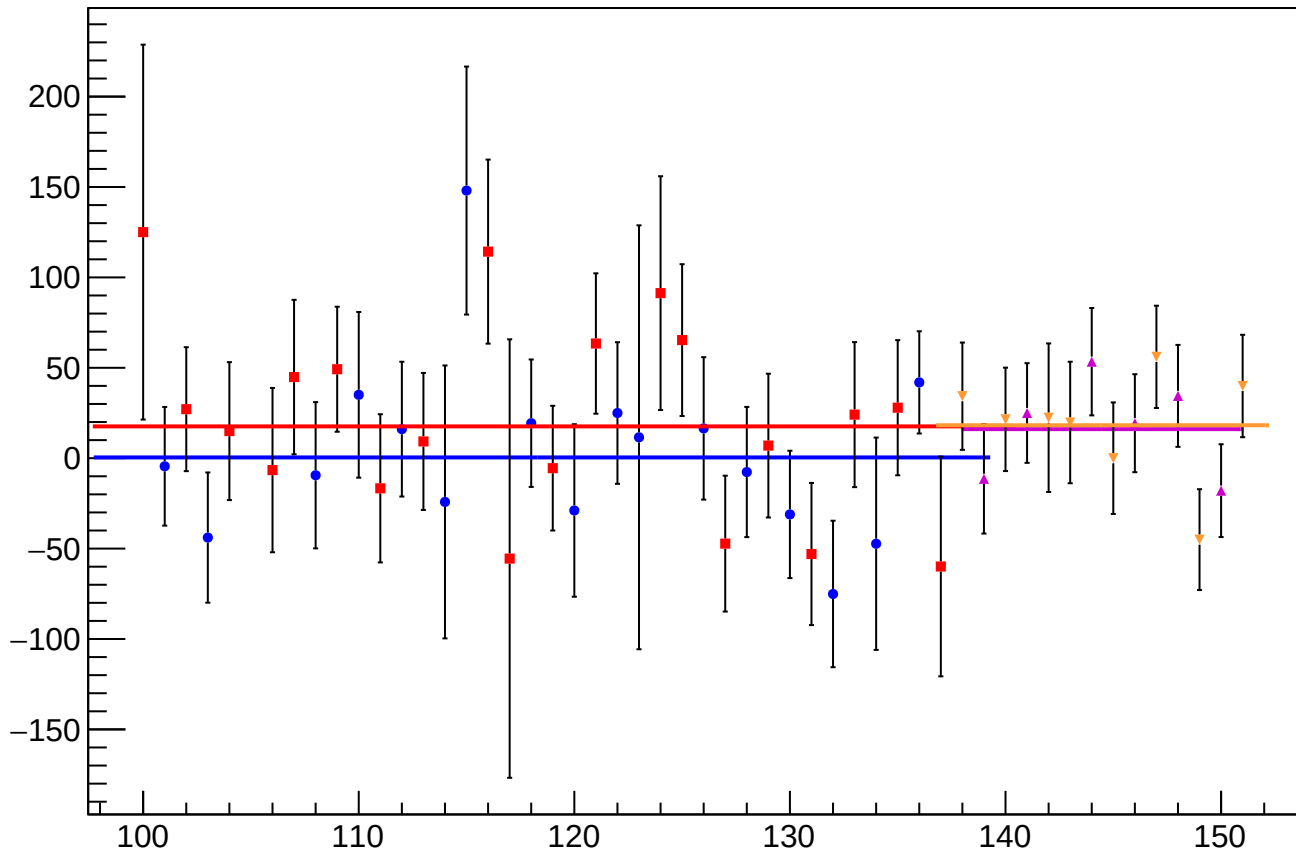
Left In: 245.401 $\pm$ 0.080 χ^2 /NDF: 132039.0/5

219.040 $\pm$ 0.046 χ^2 /NDF: 1888456.4/24

206.669 $\pm$ 0.031 χ^2 /NDF: 4211782.2/50

196.204 $\pm$ 0.043 χ^2 /NDF: 2191766.7/25

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: 18.217 ± 10.740 $\chi^2/\text{NDF}: 8.2/7$

Right Out: 17.595 ± 9.470 $\chi^2/\text{NDF}: 19.8/19$

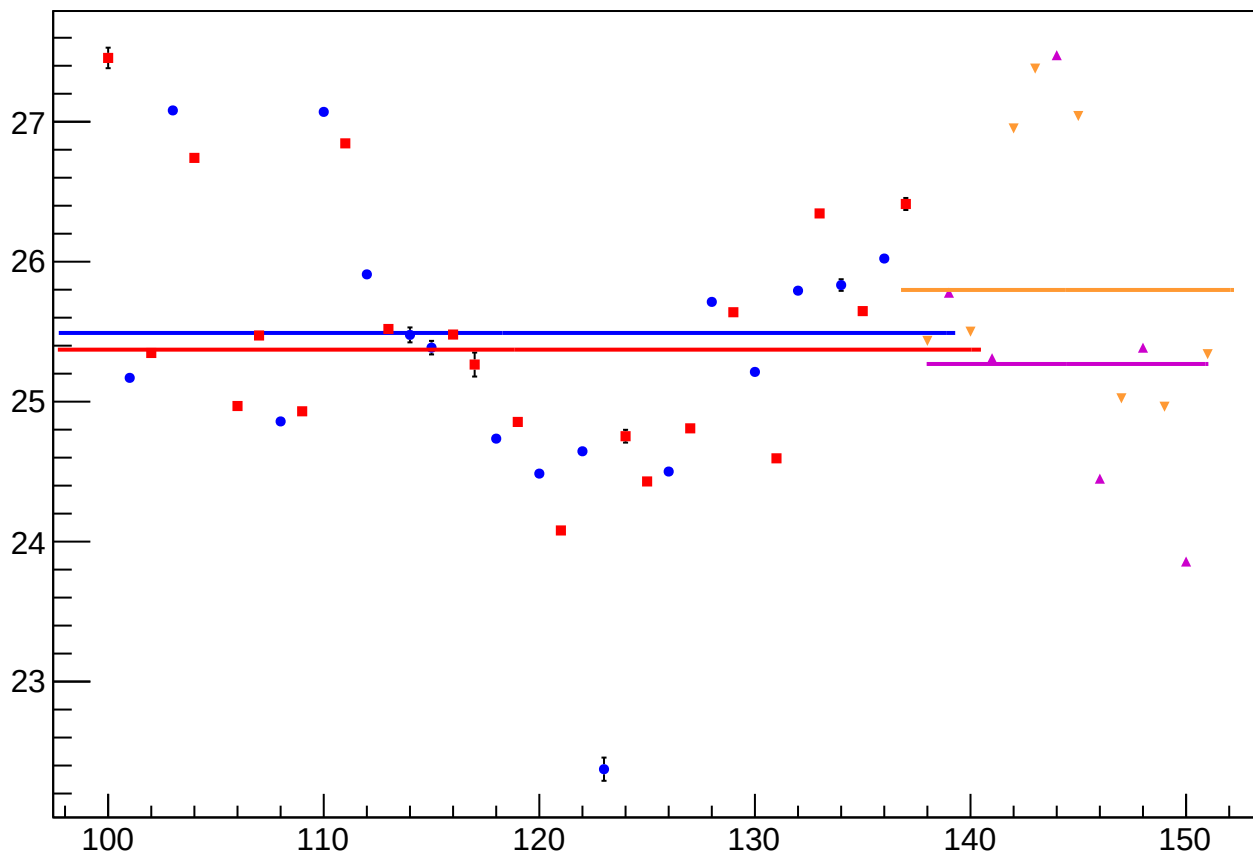
Left In: 16.083 ± 11.412 $\chi^2/\text{NDF}: 4.7/5$

8.585 ± 7.273 $\chi^2/\text{NDF}: 25.1/24$

12.773 ± 5.148 $\chi^2/\text{NDF}: 50.4/50$

16.978 ± 7.288 $\chi^2/\text{NDF}: 24.6/25$

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: 25.798+/-0.008 χ^2/NDF :13585.4/7

Right Out: 25.372+/-0.007 χ^2/NDF : 13552.0/19

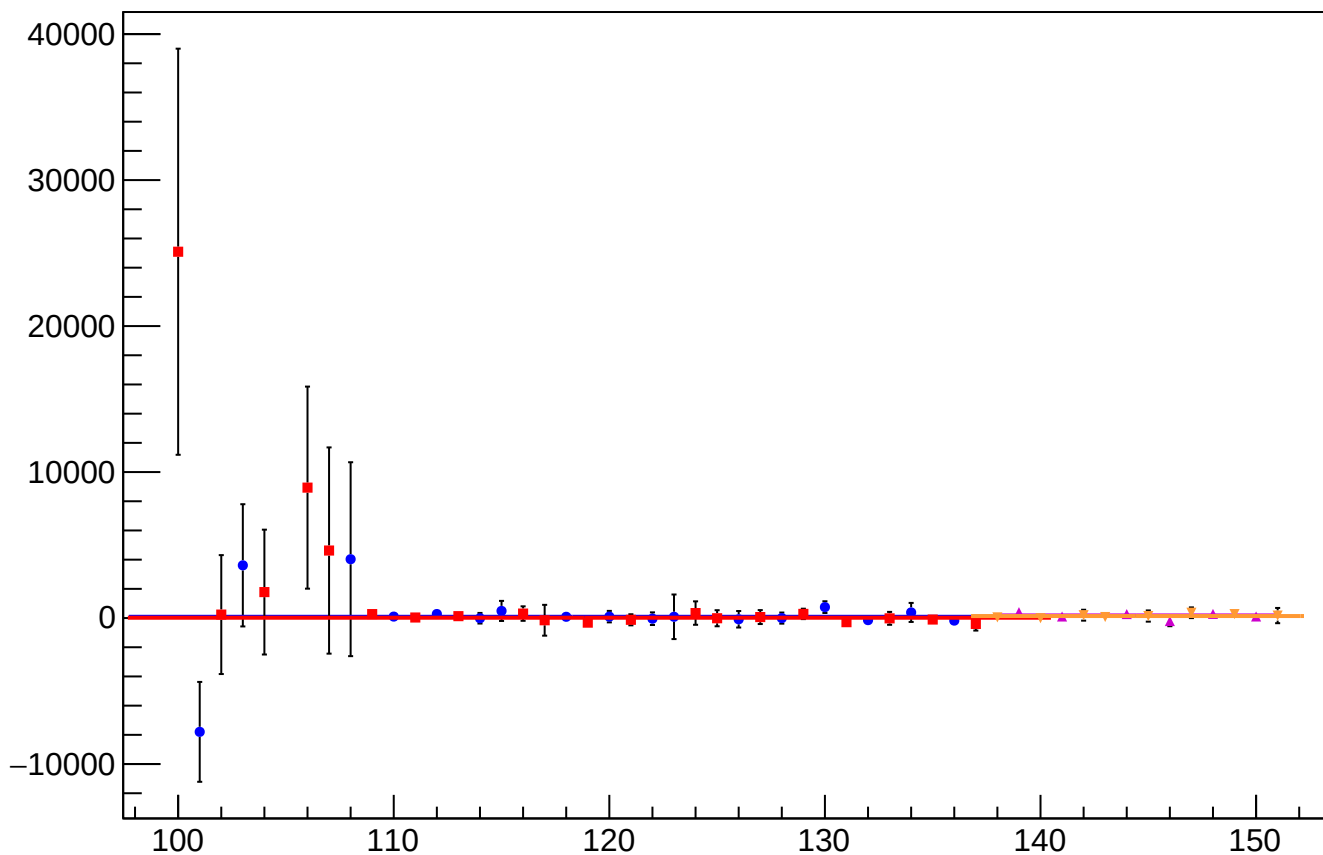
Left In: 25.269+/-0.008 χ^2/NDF :19520.3/5

25.632+/-0.005 χ^2/NDF : 28184.4/24

25.481+/-0.004 χ^2/NDF : 63072.2/50

25.330+/-0.005 χ^2/NDF : 33167.6/25

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 86.558+/-88.423 χ^2/NDF : 12.5/16

Left Out: 137.577+/-112.821 χ^2/NDF : 1.2/7

Right Out: 22.332+/-80.711 χ^2/NDF : 11.9/19

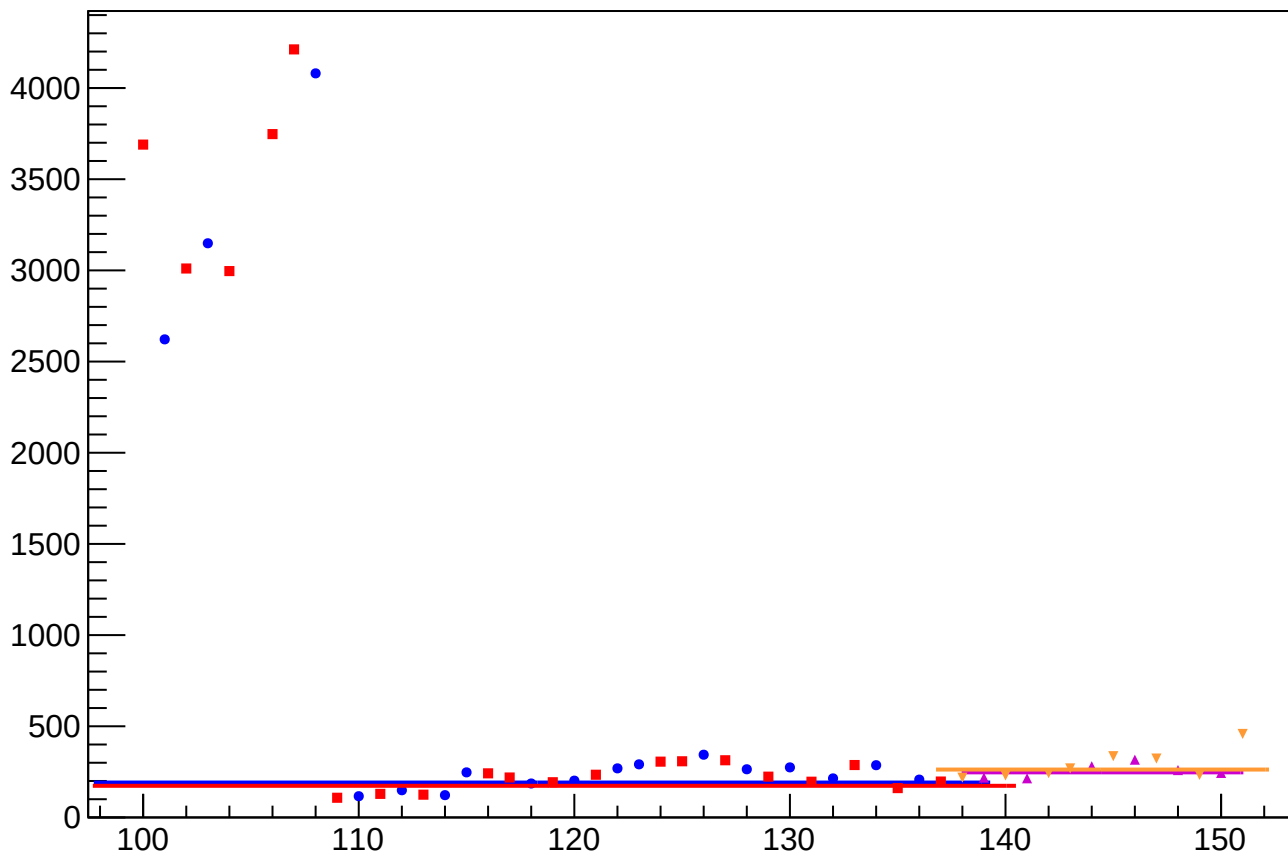
Left In: 180.977+/-113.637 χ^2/NDF : 2.3/5

105.971+/-69.595 χ^2/NDF : 13.8/24

89.897+/-47.814 χ^2/NDF : 29.4/50

75.527+/-65.803 χ^2/NDF : 15.5/25

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: 262.668+/-0.080 χ^2/NDF : 528625.3/7

Right Out: 173.565+/-0.057 χ^2/NDF : 4211161.0/19

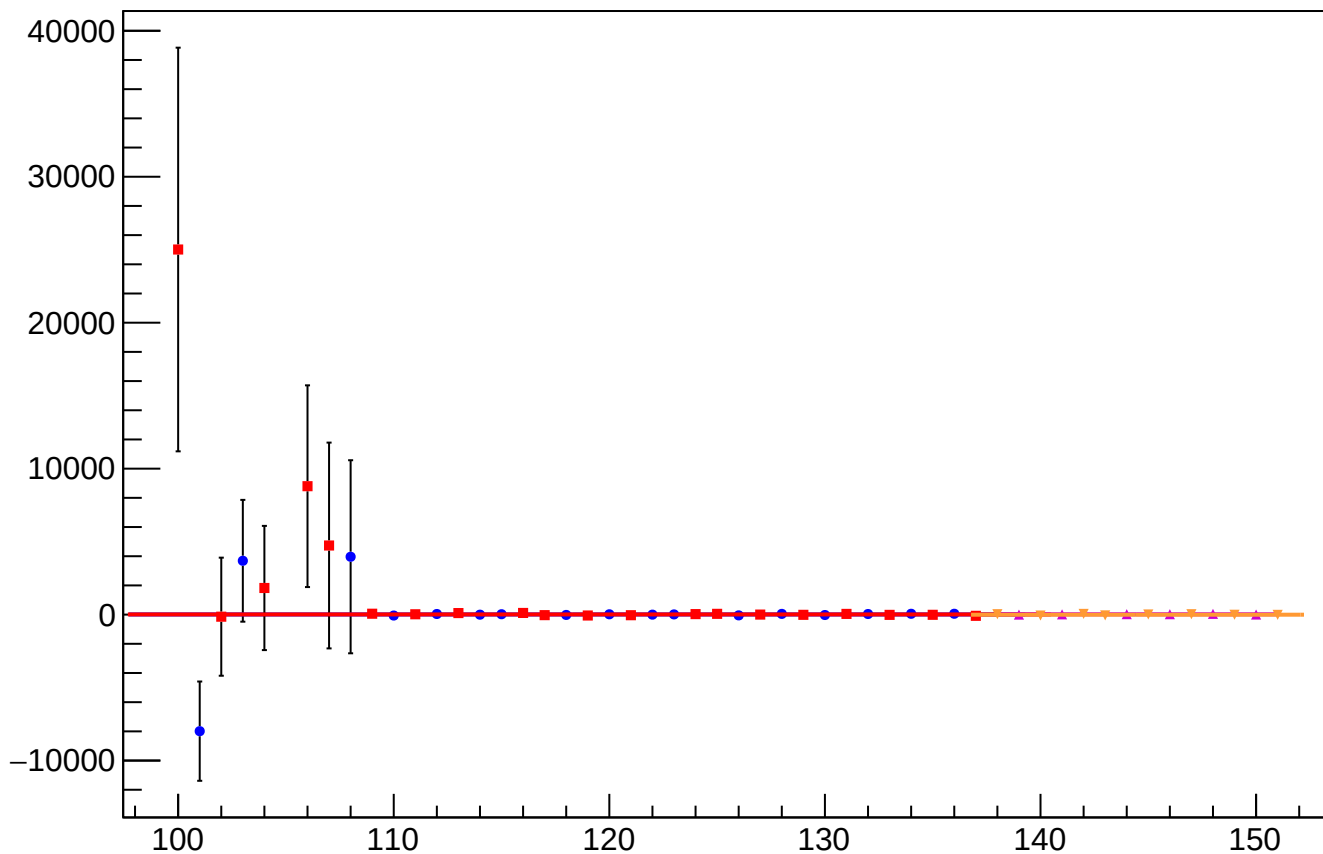
Left In: 247.321+/-0.080 χ^2/NDF : 168400.5/5

218.567+/-0.049 χ^2/NDF : 4595082.3/24

207.864+/-0.034 χ^2/NDF : 9624254.1/50

198.296+/-0.047 χ^2/NDF : 4939584.5/25

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 10.286+/-12.282 χ^2/NDF : 18.4/16

Left Out: -6.712+/-12.466 χ^2/NDF : 8.0/7

Right Out: 12.296+/-12.186 χ^2/NDF : 24.9/19

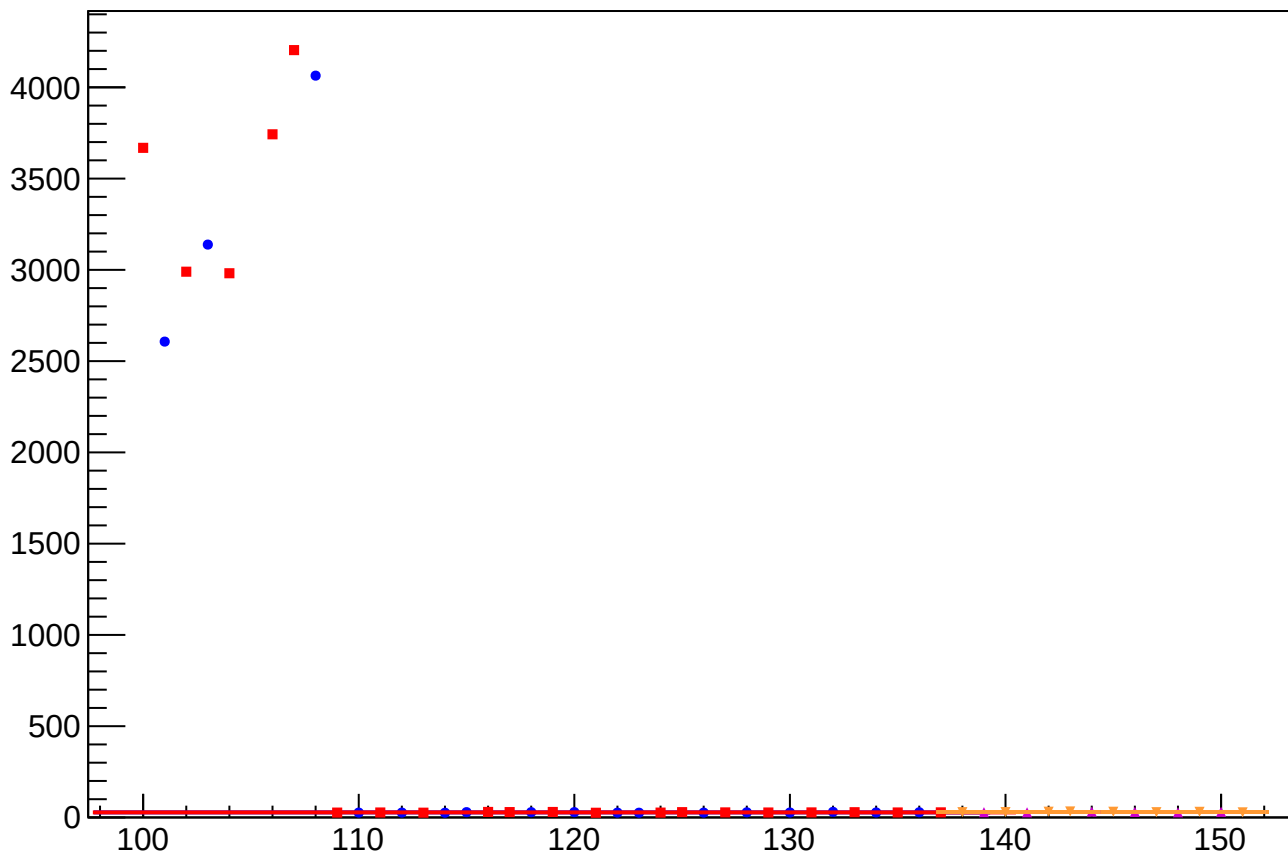
Left In: 23.139+/-13.465 χ^2/NDF : 1.6/5

1.913+/-8.749 χ^2/NDF : 27.3/24

9.300+/-6.285 χ^2/NDF : 55.7/50

17.178+/-9.035 χ^2/NDF : 26.9/25

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: 29.878+/-0.009 χ^2/NDF : 29315.3/7

Right Out: 27.707+/-0.009 χ^2/NDF : 3477132.0/19

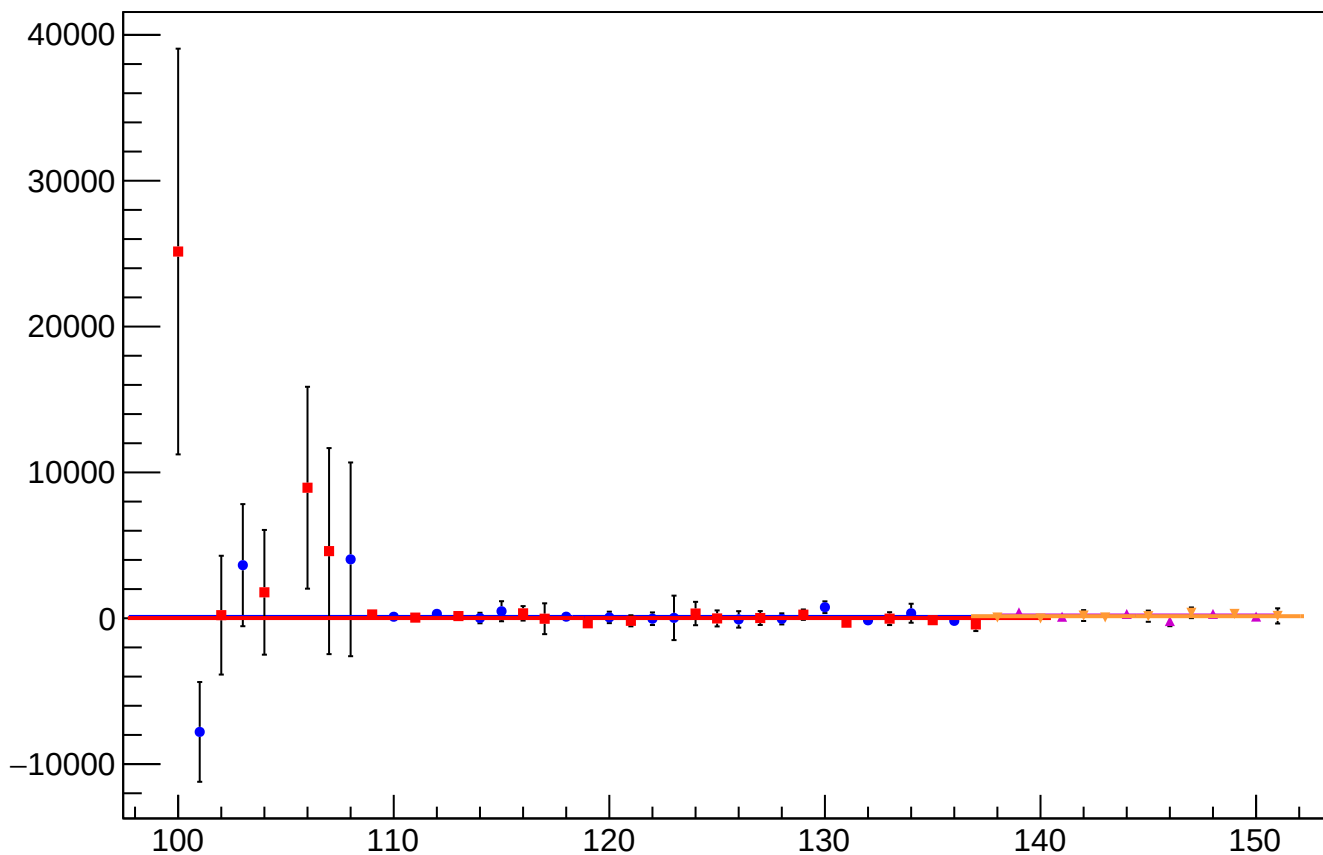
Left In: 29.779+/-0.010 χ^2/NDF : 25348.1/5

28.851+/-0.006 χ^2/NDF : 3083717.3/24

28.749+/-0.004 χ^2/NDF : 6612784.4/50

28.640+/-0.006 χ^2/NDF : 3528502.4/25

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 90.773+/-88.149 χ^2/NDF : 12.8/16

Left Out: 140.956+/-112.581 χ^2/NDF : 1.3/7

Right Out: 13.075+/-80.452 χ^2/NDF : 12.7/19

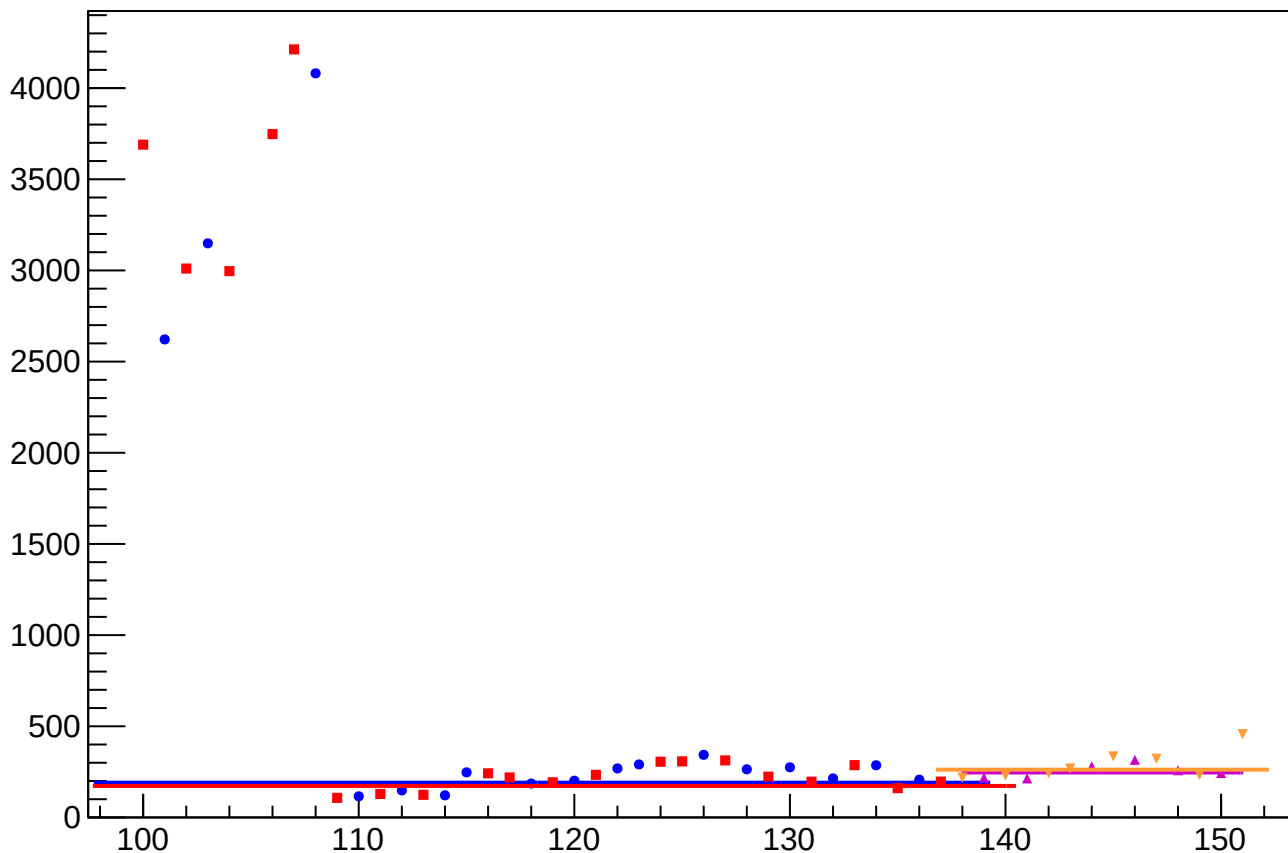
Left In: 189.061+/-113.399 χ^2/NDF : 2.3/5

109.846+/-69.405 χ^2/NDF : 14.2/24

89.861+/-47.681 χ^2/NDF : 31.0/50

71.998+/-65.616 χ^2/NDF : 16.6/25

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: 262.113+/-0.080 χ^2/NDF : 528174.6/7

Right Out: 172.900+/-0.057 χ^2/NDF : 4222511.2/19

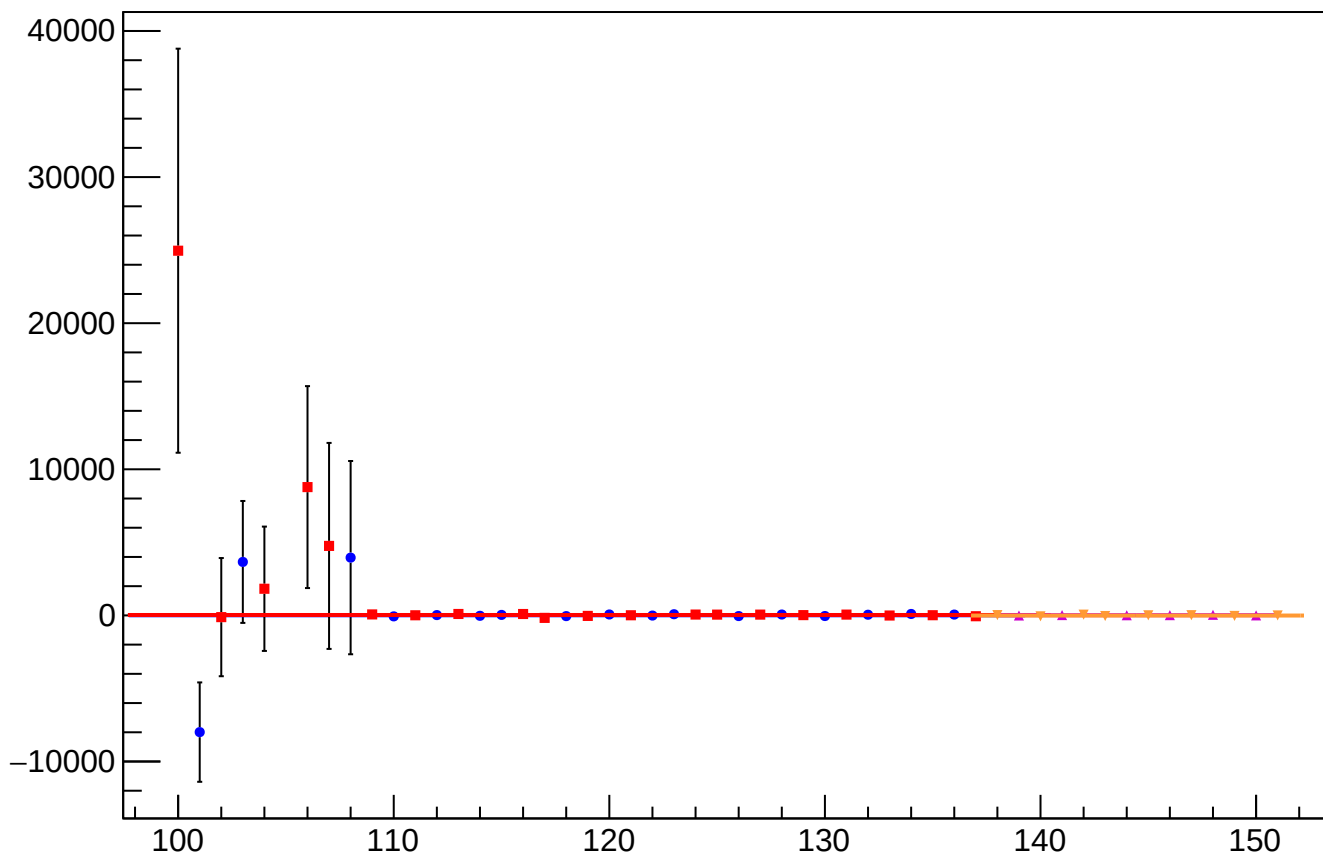
Left In: 246.803+/-0.080 χ^2/NDF : 168202.9/5

217.884+/-0.049 χ^2/NDF : 4611128.6/24

207.197+/-0.034 χ^2/NDF : 9656700.9/50

197.644+/-0.046 χ^2/NDF : 4955754.4/25

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: -9.575 $\pm$ 12.545 χ^2 /NDF: 7.2/7

Right Out: 27.898 $\pm$ 12.287 χ^2 /NDF: 18.8/19

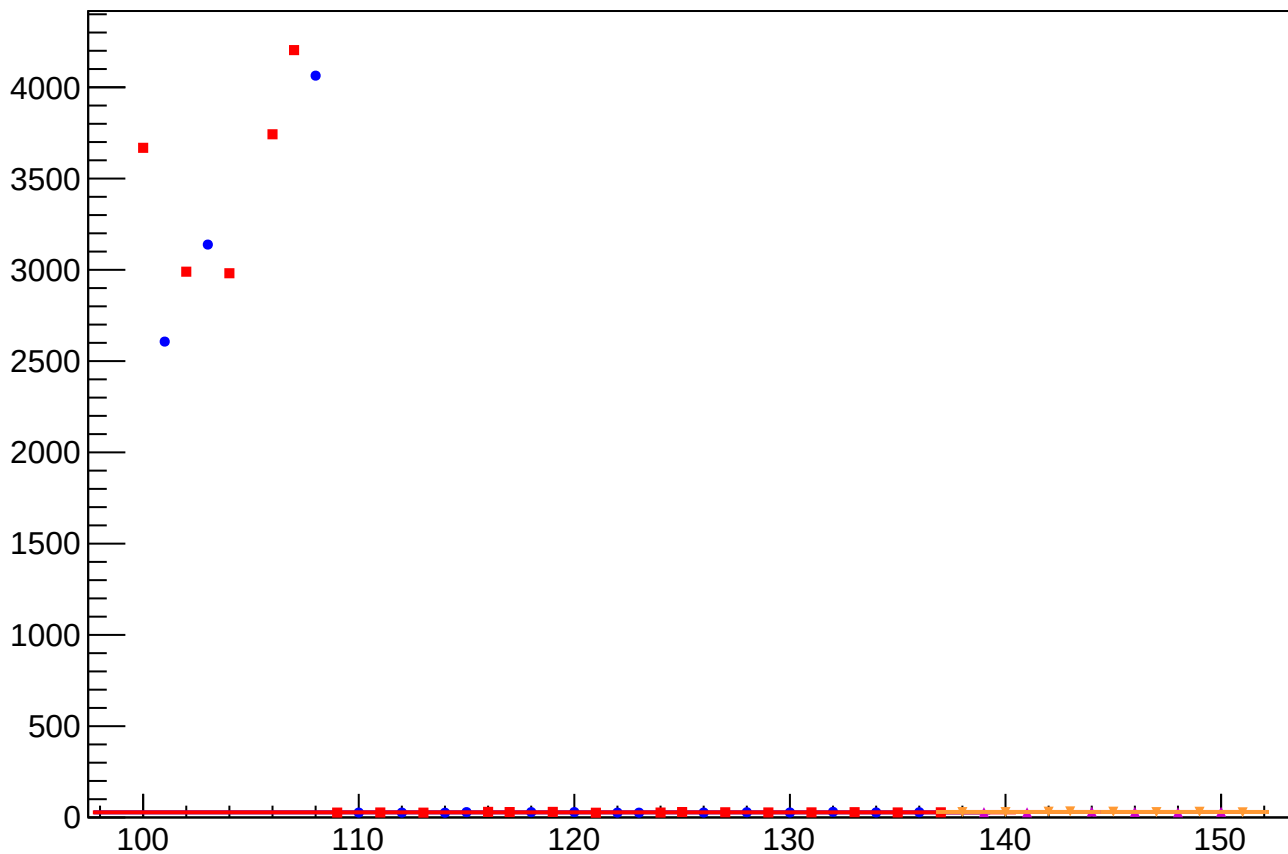
Left In: 15.409 $\pm$ 13.555 χ^2 /NDF: 1.3/5

-0.358 $\pm$ 8.807 χ^2 /NDF: 31.5/24

10.579 $\pm$ 6.330 χ^2 /NDF: 55.2/50

22.265 $\pm$ 9.103 χ^2 /NDF: 20.5/25

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: 30.064 $\pm$ 0.009 χ^2 /NDF:30447.9/7

Right Out: 27.930 $\pm$ 0.009 χ^2 /NDF: 3479947.6/19

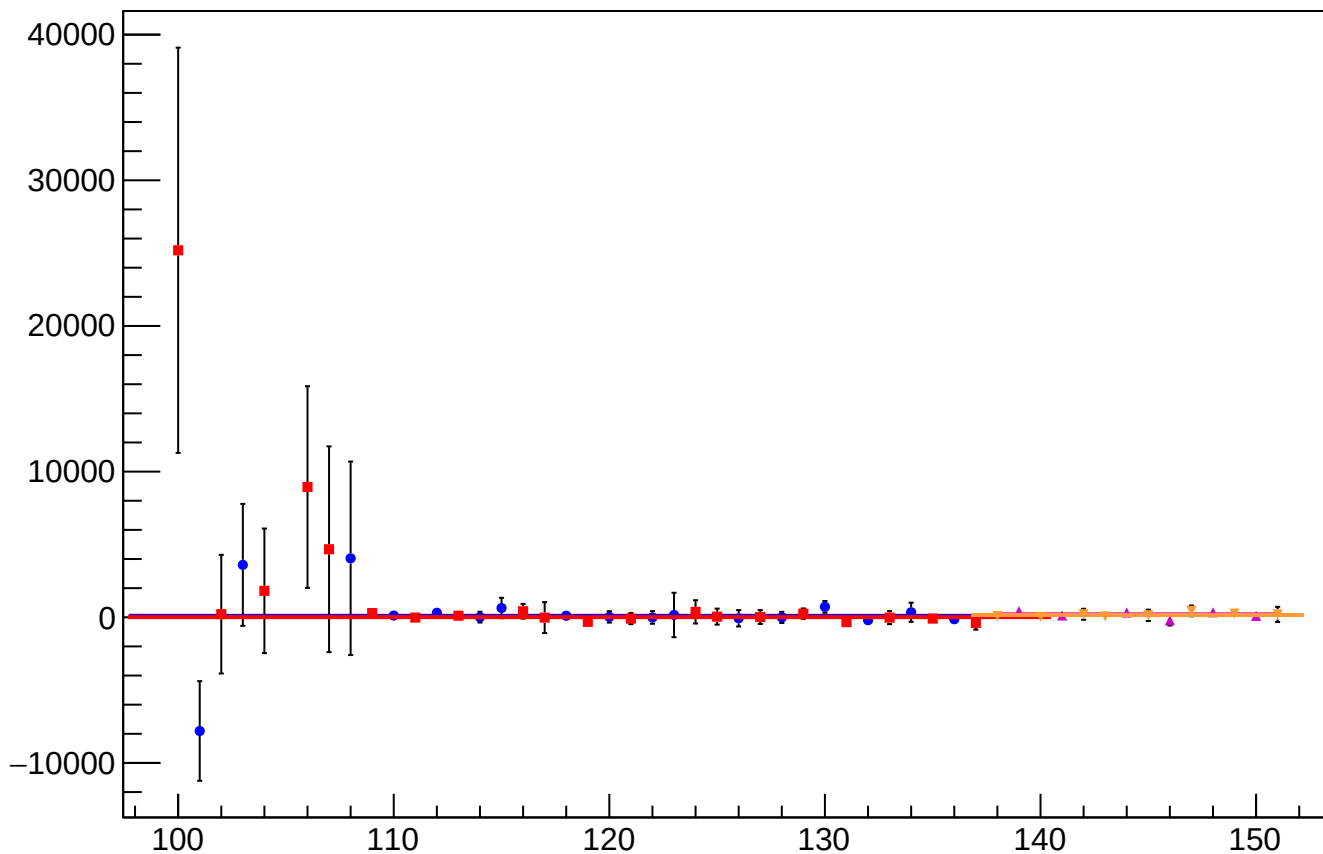
Left In: 29.973 $\pm$ 0.010 χ^2 /NDF:26880.7/5

29.039 $\pm$ 0.006 χ^2 /NDF: 3084641.2/24

28.949 $\pm$ 0.004 χ^2 /NDF: 6616848.4/50

28.851 $\pm$ 0.006 χ^2 /NDF: 3531766.4/25

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 98.142+/-89.203 χ^2/NDF : 12.5/16

Left Out: 154.988+/-113.994 χ^2/NDF : 1.1/7

Right Out: 11.533+/-81.530 χ^2/NDF : 12.3/19

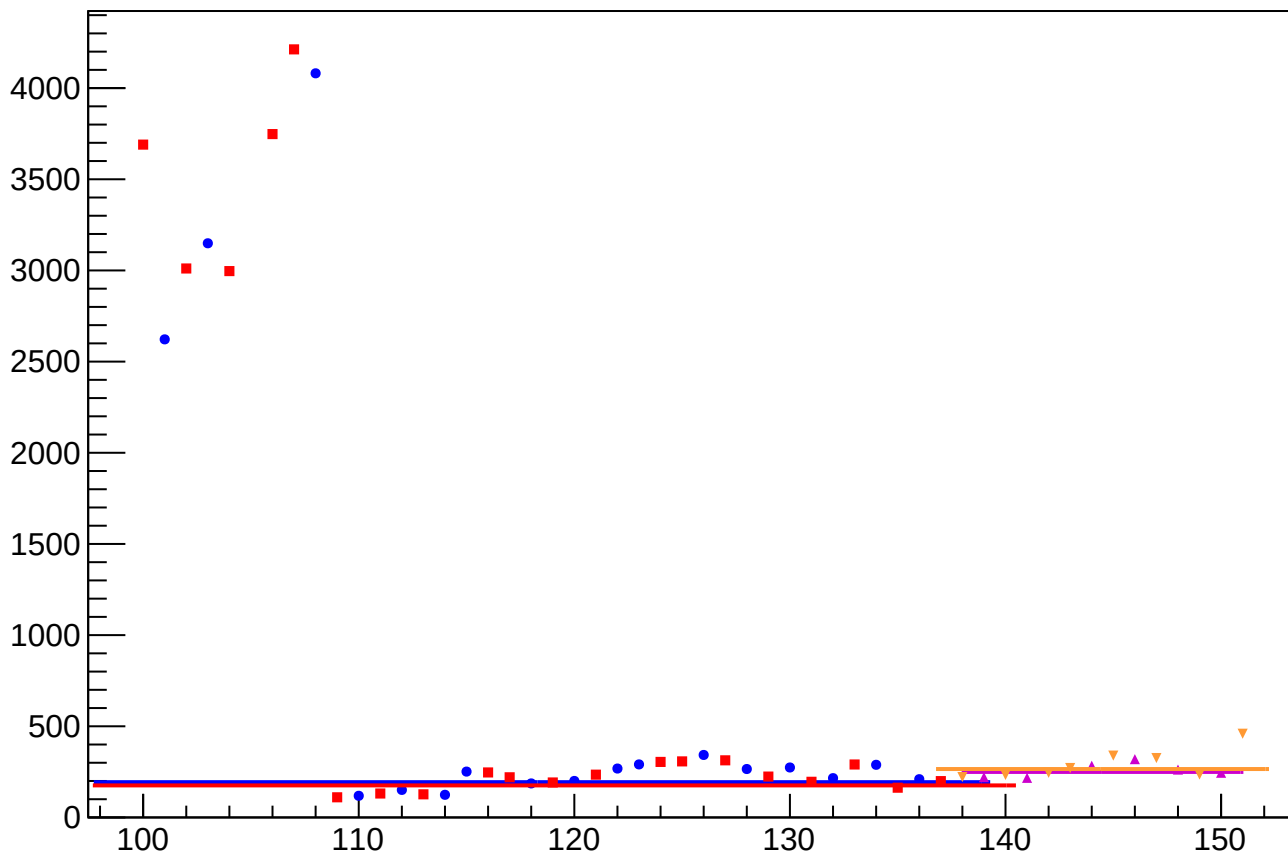
Left In: 201.780+/-114.712 χ^2/NDF : 2.7/5

119.731+/-70.251 χ^2/NDF : 13.8/24

96.327+/-48.277 χ^2/NDF : 30.8/50

75.383+/-66.455 χ^2/NDF : 16.8/25

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: 265.551+/-0.081 χ^2/NDF : 518582.6/7

Right Out: 175.774+/-0.058 χ^2/NDF : 4169115.6/19

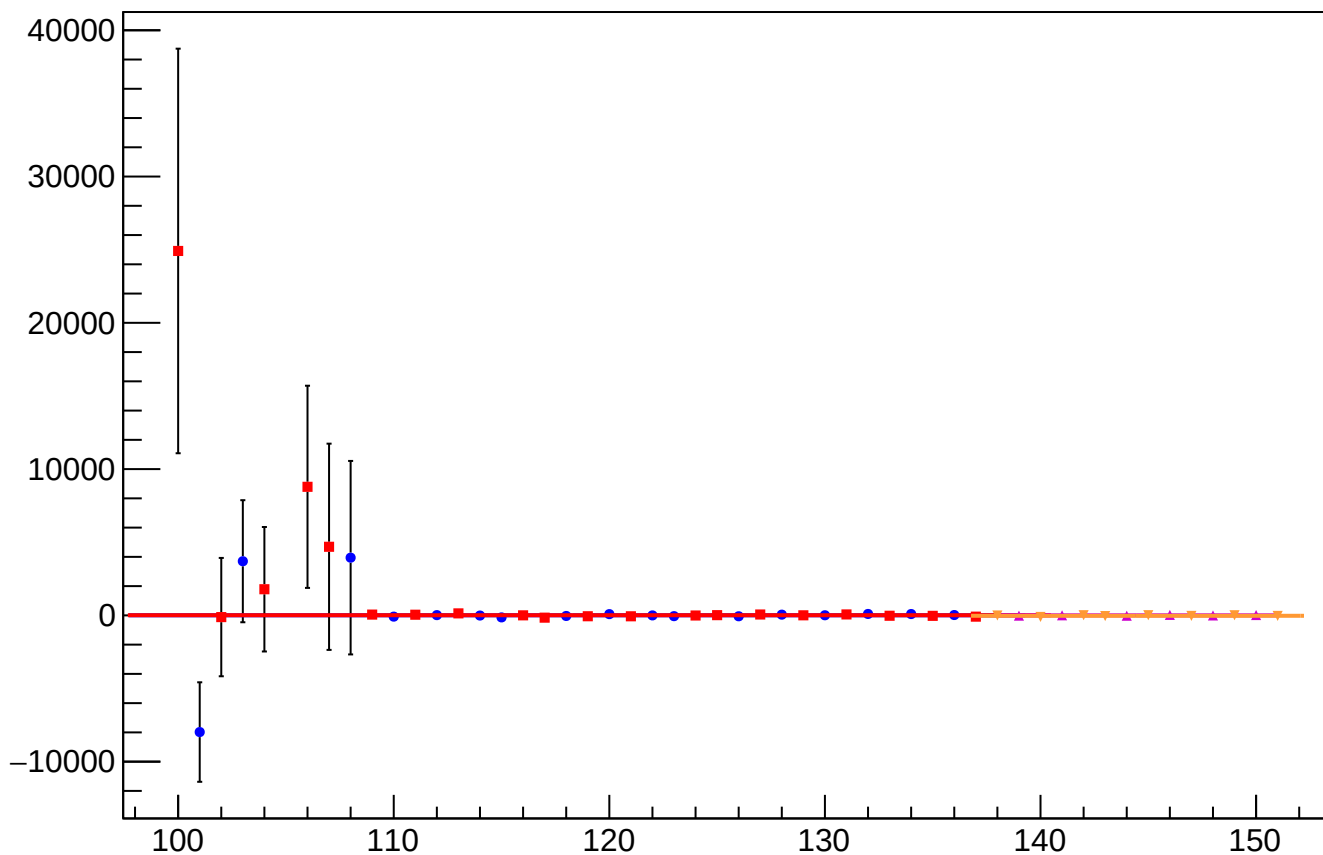
Left In: 249.718+/-0.081 χ^2/NDF : 166805.6/5

220.874+/-0.050 χ^2/NDF : 4550854.0/24

210.170+/-0.034 χ^2/NDF : 9526894.0/50

200.591+/-0.047 χ^2/NDF : 4888050.5/25

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: -28.265+/-14.790 χ^2 /NDF:6.6/7

Right Out: 10.775+/-14.891 χ^2 /NDF: 23.0/19

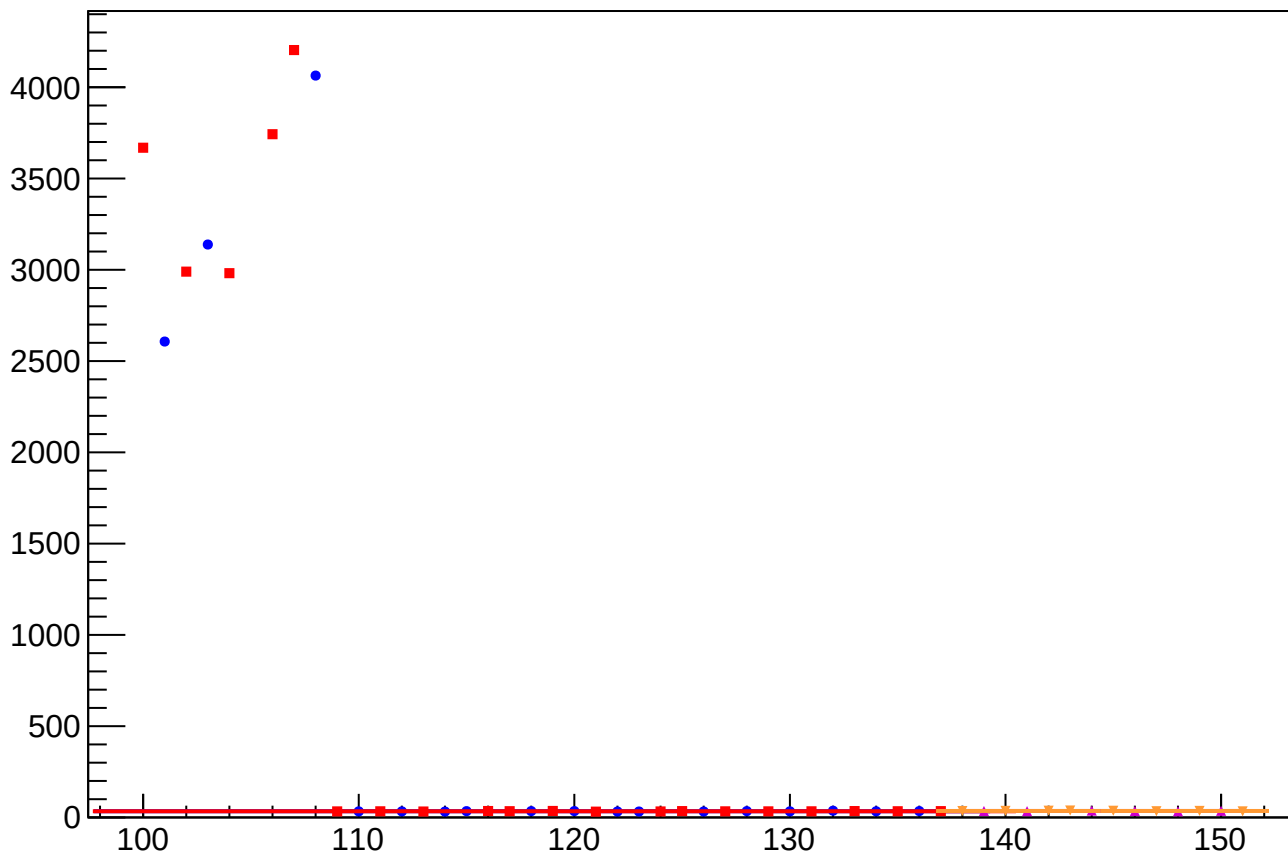
Left In: 3.220+/-16.018 χ^2 /NDF:1.6/5

-11.647+/-10.549 χ^2 /NDF: 29.6/24

-2.502+/-7.583 χ^2 /NDF: 55.9/50

7.273+/-10.906 χ^2 /NDF: 24.7/25

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: 35.503 $\pm$ 0.010 χ^2 /NDF:18992.7/7

Right Out: 33.916 $\pm$ 0.011 χ^2 /NDF: 3451921.6/19

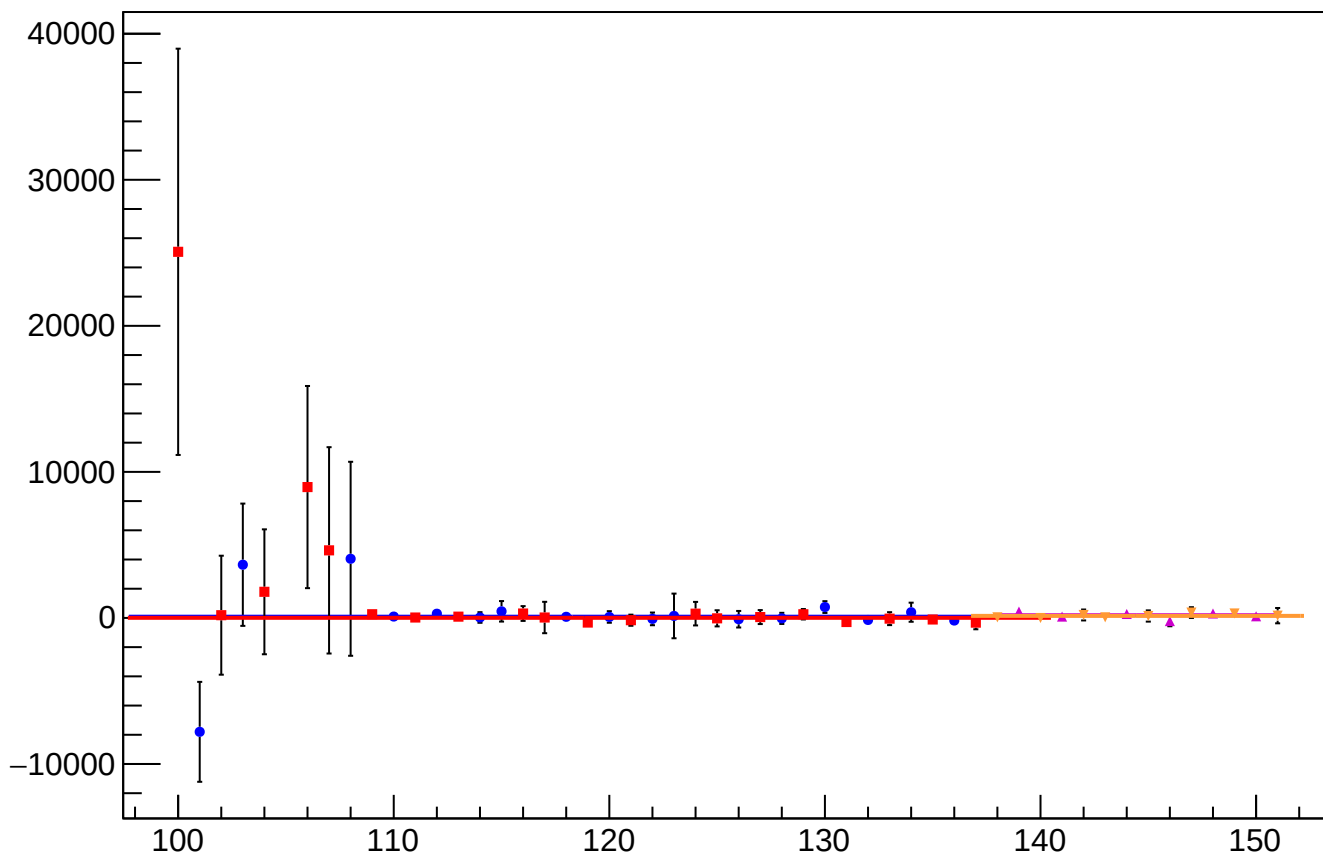
Left In: 35.482 $\pm$ 0.011 χ^2 /NDF:11069.4/5

34.847 $\pm$ 0.007 χ^2 /NDF: 3033513.0/24

34.748 $\pm$ 0.005 χ^2 /NDF: 6507127.5/50

34.642 $\pm$ 0.008 χ^2 /NDF: 3473248.7/25

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 84.504+/-88.746 χ^2/NDF : 12.5/16

Left Out: 141.040+/-113.161 χ^2/NDF : 1.3/7

Right Out: 8.682+/-81.026 χ^2/NDF : 11.1/19

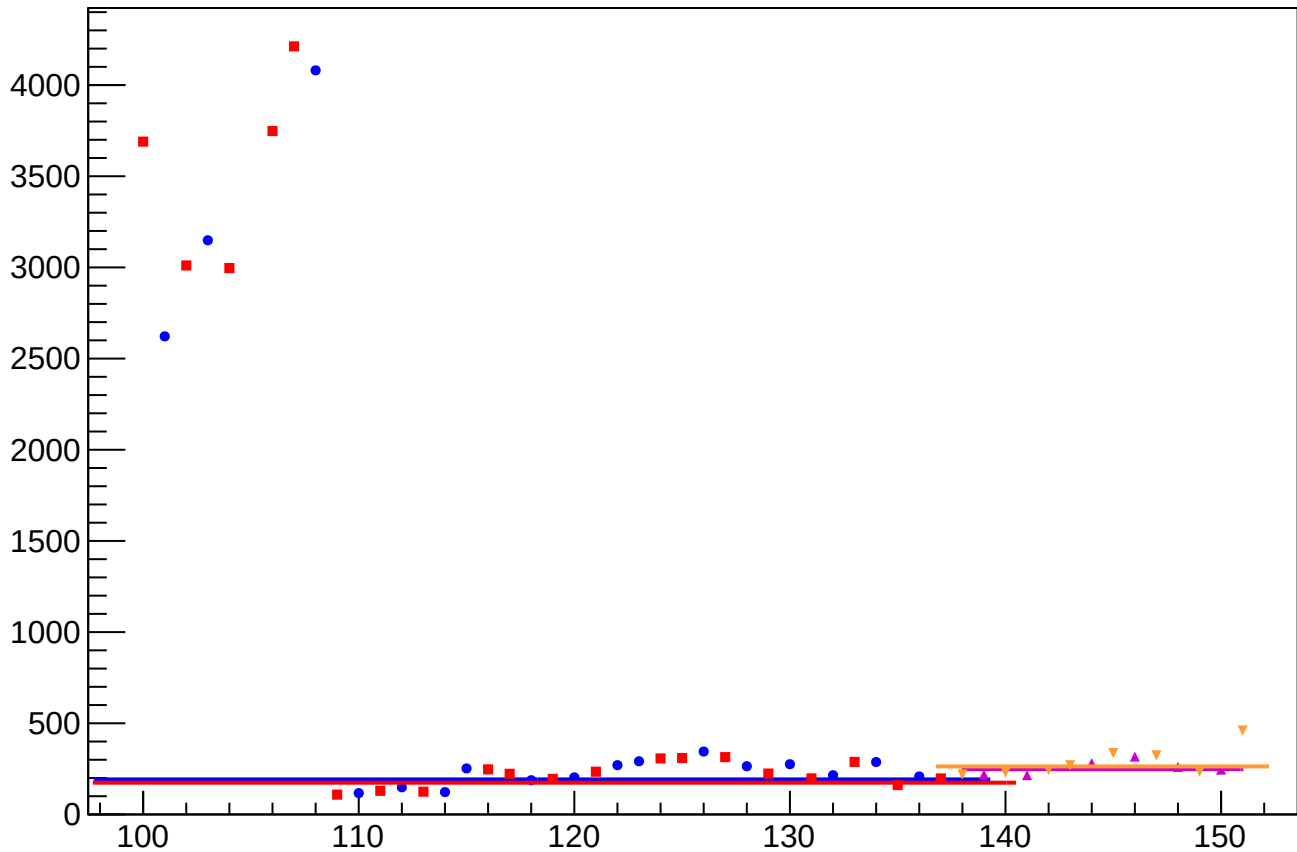
Left In: 186.062+/-114.086 χ^2/NDF : 2.7/5

106.034+/-69.833 χ^2/NDF : 14.0/24

86.044+/-47.990 χ^2/NDF : 29.5/50

68.155+/-66.060 χ^2/NDF : 15.3/25

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: 263.438+/-0.080 χ^2/NDF : 530494.7/7

Right Out: 174.240+/-0.057 χ^2/NDF : 4215763.8/19

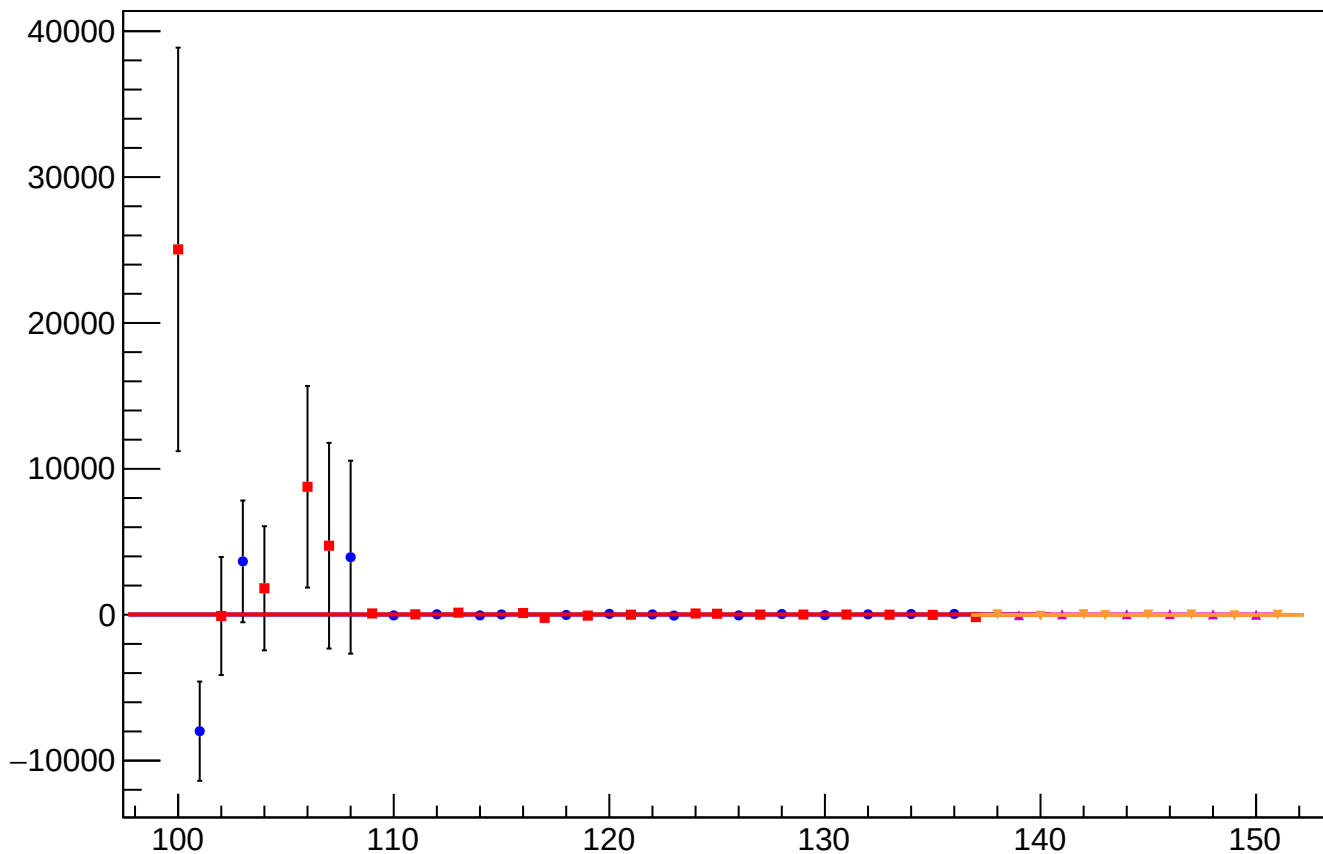
Left In: 248.324+/-0.081 χ^2/NDF : 166965.7/5

219.315+/-0.049 χ^2/NDF : 4596197.9/24

208.636+/-0.034 χ^2/NDF : 9628157.9/50

199.079+/-0.047 χ^2/NDF : 4943333.8/25

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: -9.487+/-13.637 χ^2/NDF : 6.6/7

Right Out: 20.740+/-13.606 χ^2/NDF : 30.4/19

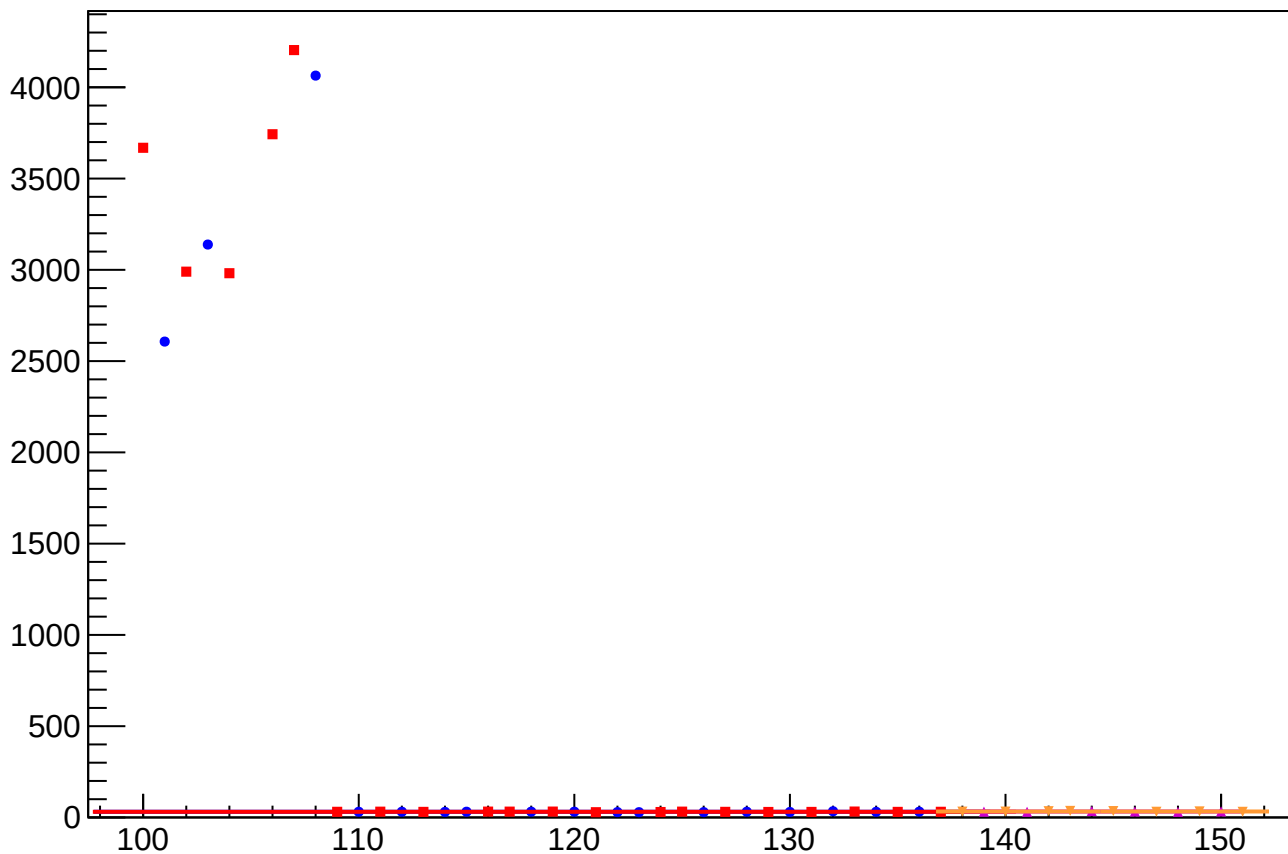
Left In: 20.425+/-14.634 χ^2/NDF : 2.8/5

1.562+/-9.673 χ^2/NDF : 22.5/24

10.796+/-6.941 χ^2/NDF : 57.7/50

20.594+/-9.964 χ^2/NDF : 33.2/25

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: 32.693+/-0.010 χ^2/NDF : 29812.9/7

Right Out: 30.970+/-0.010 χ^2/NDF : 3458998.2/19

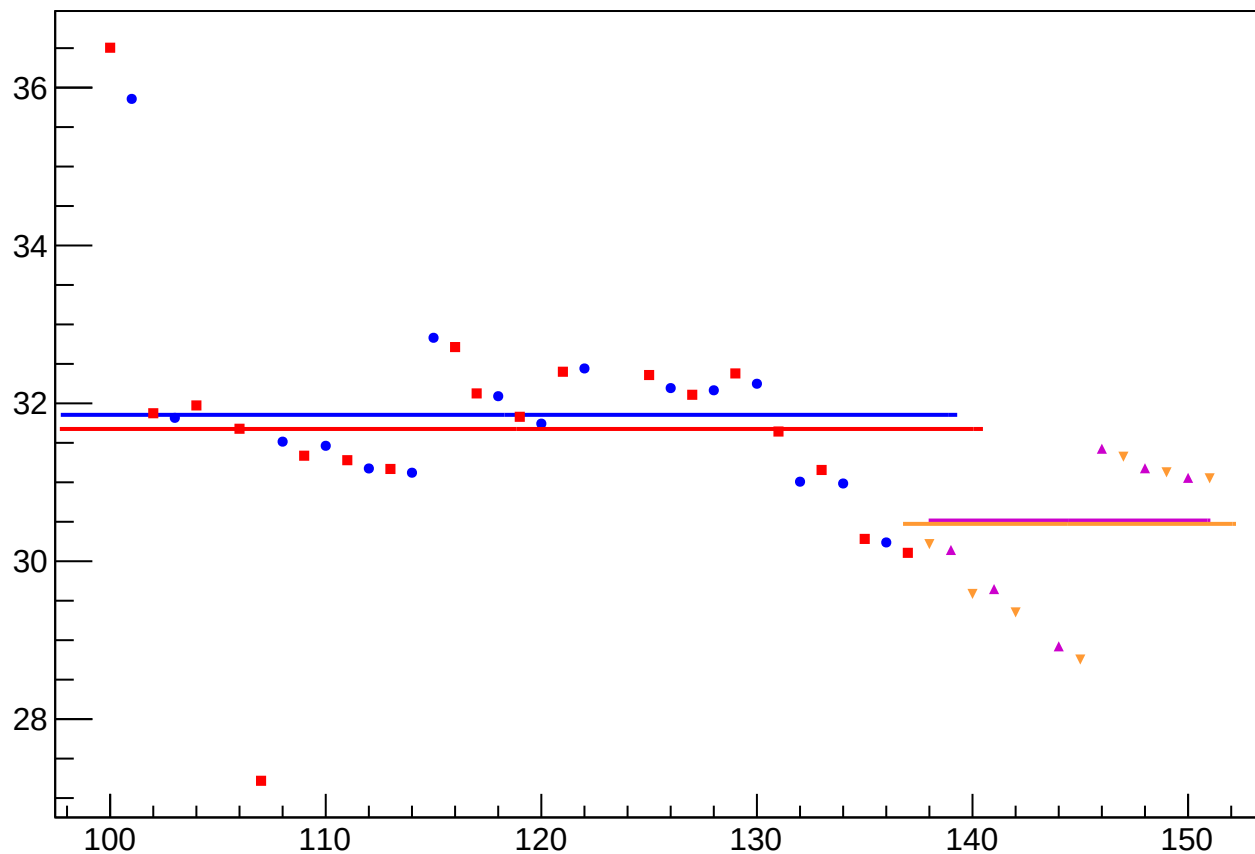
Left In: 32.391+/-0.010 χ^2/NDF : 19718.9/5

31.928+/-0.007 χ^2/NDF : 3057004.1/24

31.783+/-0.005 χ^2/NDF : 6546763.9/50

31.629+/-0.007 χ^2/NDF : 3488831.5/25

yield_usl_mean vs Slug, Sign Corrected



Right In: 31.855 ± 0.000 $\chi^2/\text{NDF}: 1570522165.5/15$

Left Out: 30.474 ± 0.000 $\chi^2/\text{NDF}: 579061433.1/6$

Right Out: 31.676 ± 0.000 $\chi^2/\text{NDF}: 919678295.7/18$

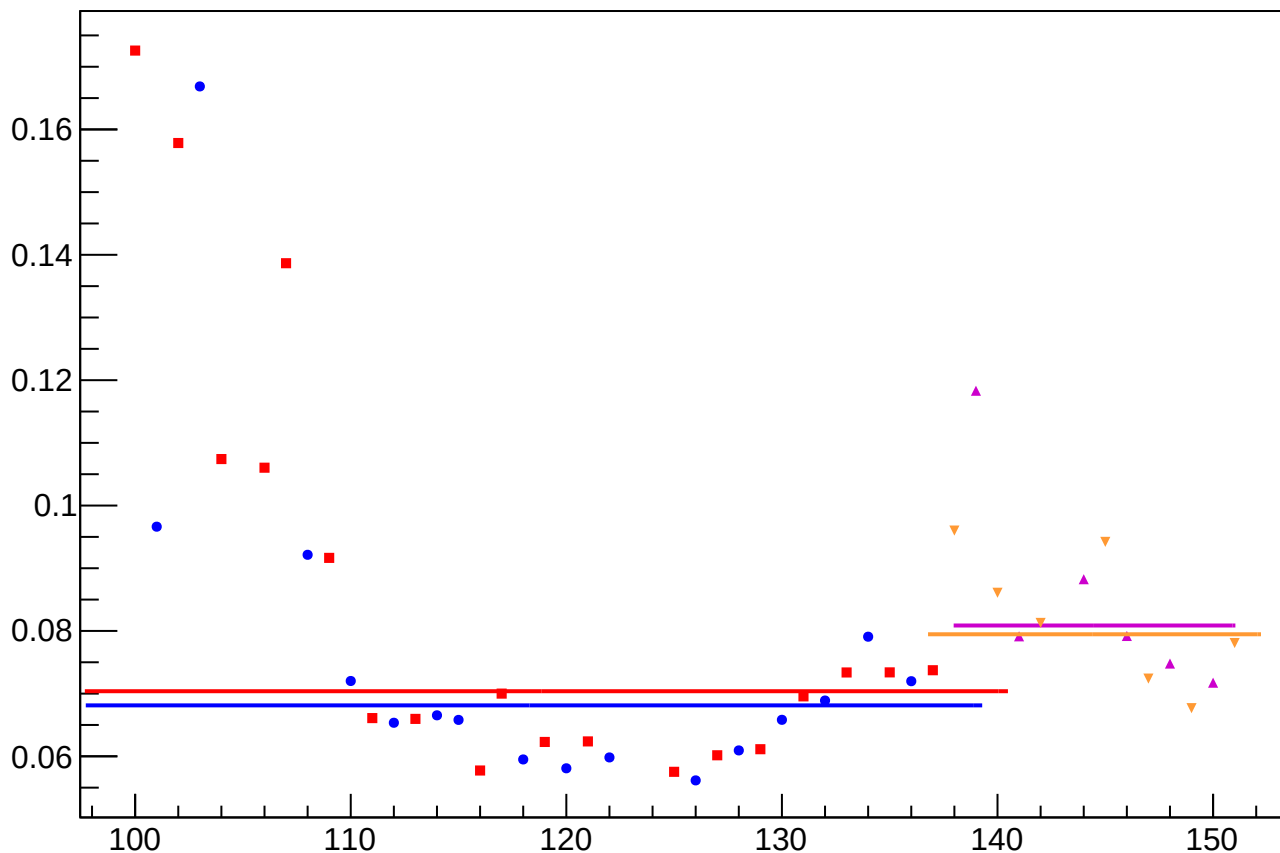
Left In: 30.516 ± 0.000 $\chi^2/\text{NDF}: 540890261.8/5$

31.352 ± 0.000 $\chi^2/\text{NDF}: 3013641531.8/22$

31.309 ± 0.000 $\chi^2/\text{NDF}: 5055794001.9/4$

31.264 ± 0.000 $\chi^2/\text{NDF}: 2034831770.7/24$

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068 $\pm$ 0.000 χ^2 /NDF: 629767.4/15

Left Out: 0.079 $\pm$ 0.000 χ^2 /NDF:140779.3/6

Right Out: 0.070 $\pm$ 0.000 χ^2 /NDF: 841322.7/18

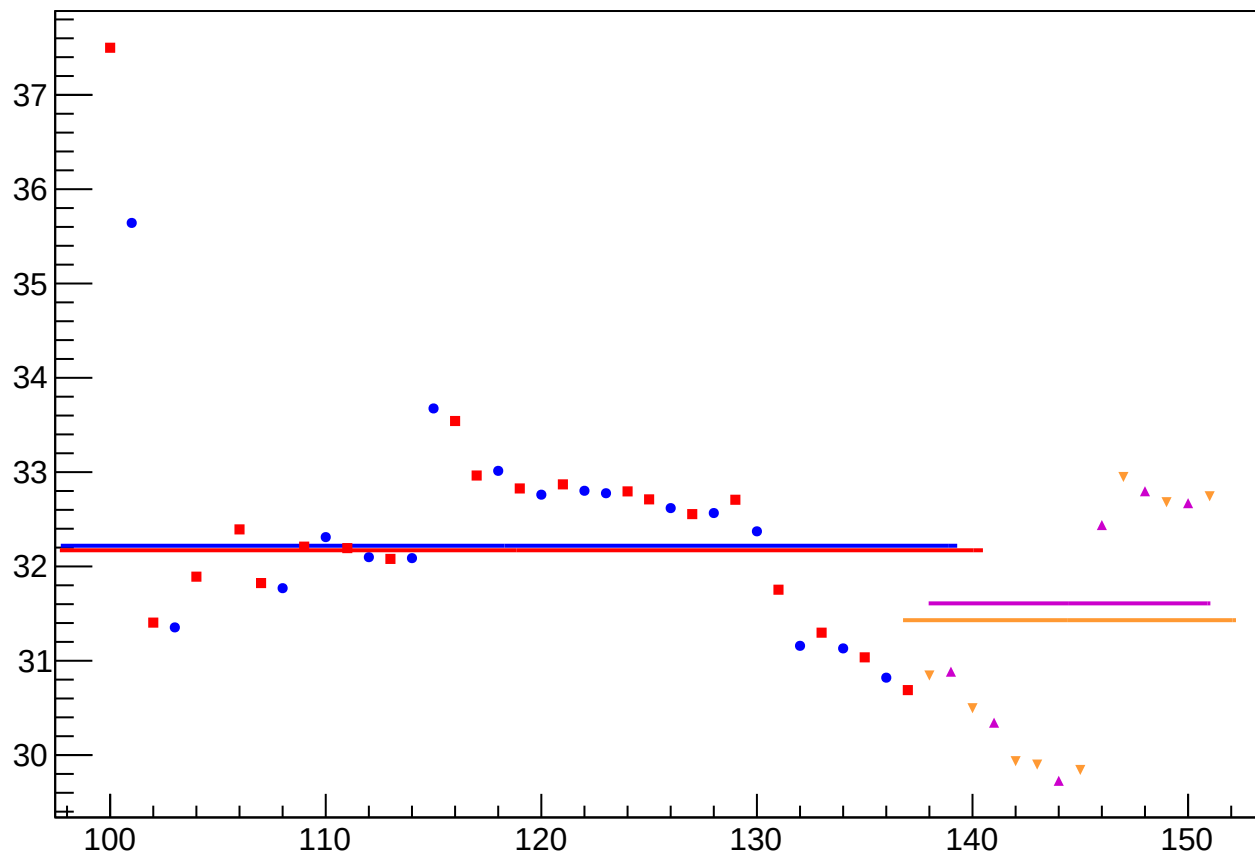
Left In: 0.081 $\pm$ 0.000 χ^2 /NDF:186936.3/5

0.072 $\pm$ 0.000 χ^2 /NDF: 887103.9/22

0.073 $\pm$ 0.000 χ^2 /NDF: 2015700.5/47

0.074 $\pm$ 0.000 χ^2 /NDF: 1122076.9/24

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.220+/-0.000 χ^2/NDF : 1013864543.3/16

Left Out: 31.430+/-0.000 χ^2/NDF : 1528739588.6/7

Right Out: 32.171+/-0.000 χ^2/NDF : 444137990.6/19

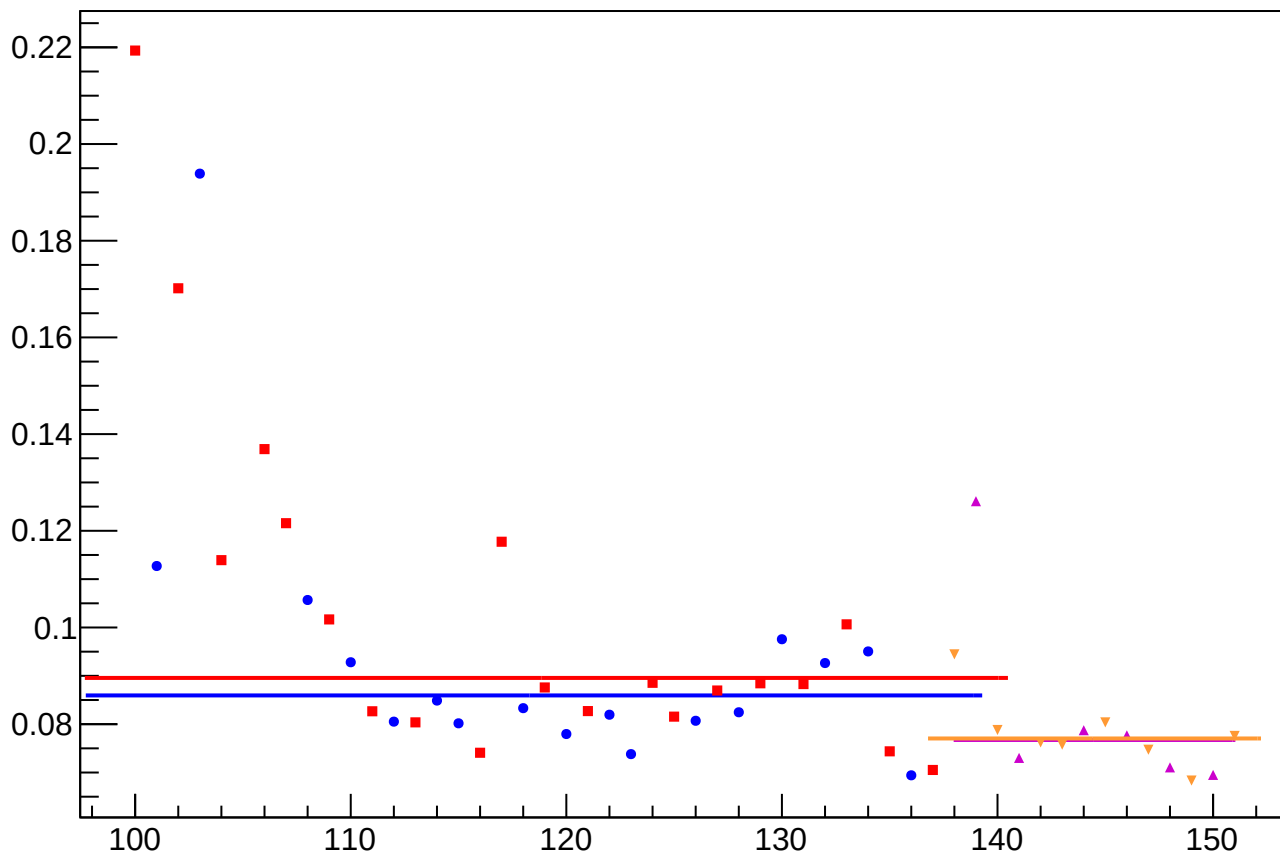
Left In: 31.608+/-0.000 χ^2/NDF : 1180597063.5/5

31.805+/-0.000 χ^2/NDF : 2799077423.5/24

31.848+/-0.000 χ^2/NDF : 4550361139.8/5

31.894+/-0.000 χ^2/NDF : 1745047926.3/25

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF : 553280.3/16

Left Out: 0.077+/-0.000 χ^2/NDF : 74393.6/7

Right Out: 0.090+/-0.000 χ^2/NDF : 544516.7/19

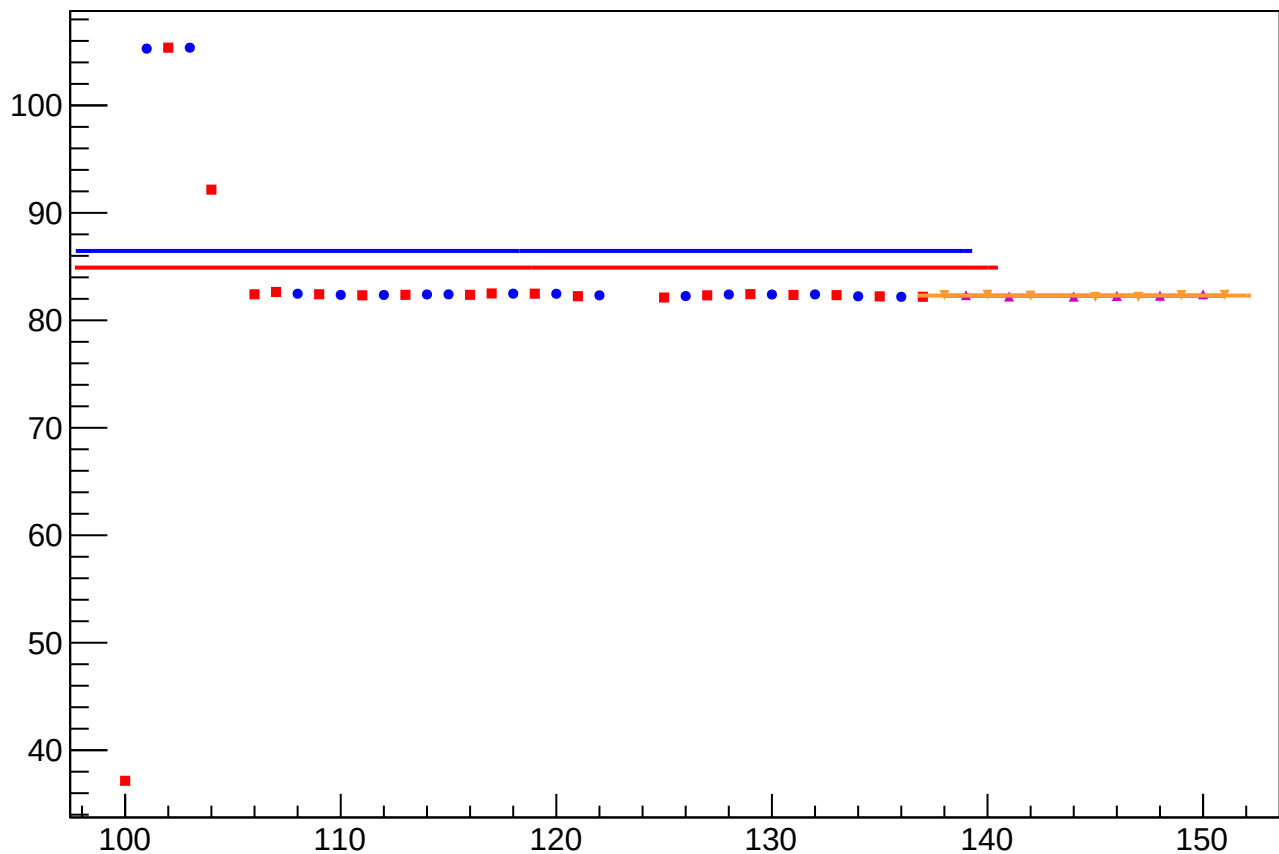
Left In: 0.077+/-0.000 χ^2/NDF : 248173.1/5

0.081+/-0.000 χ^2/NDF : 692936.6/24

0.082+/-0.000 χ^2/NDF : 1616753.7/50

0.083+/-0.000 χ^2/NDF : 917670.8/25

yield_dsl_mean vs Slug, Sign Corrected



Right In: 86.457 $\pm$ 0.000 χ^2/NDF : 291421048436.2/15

Left Out: 82.305 $\pm$ 0.000 χ^2/NDF : 19227842.0/6

Right Out: 84.908 $\pm$ 0.000 χ^2/NDF : 172306803858.3/18

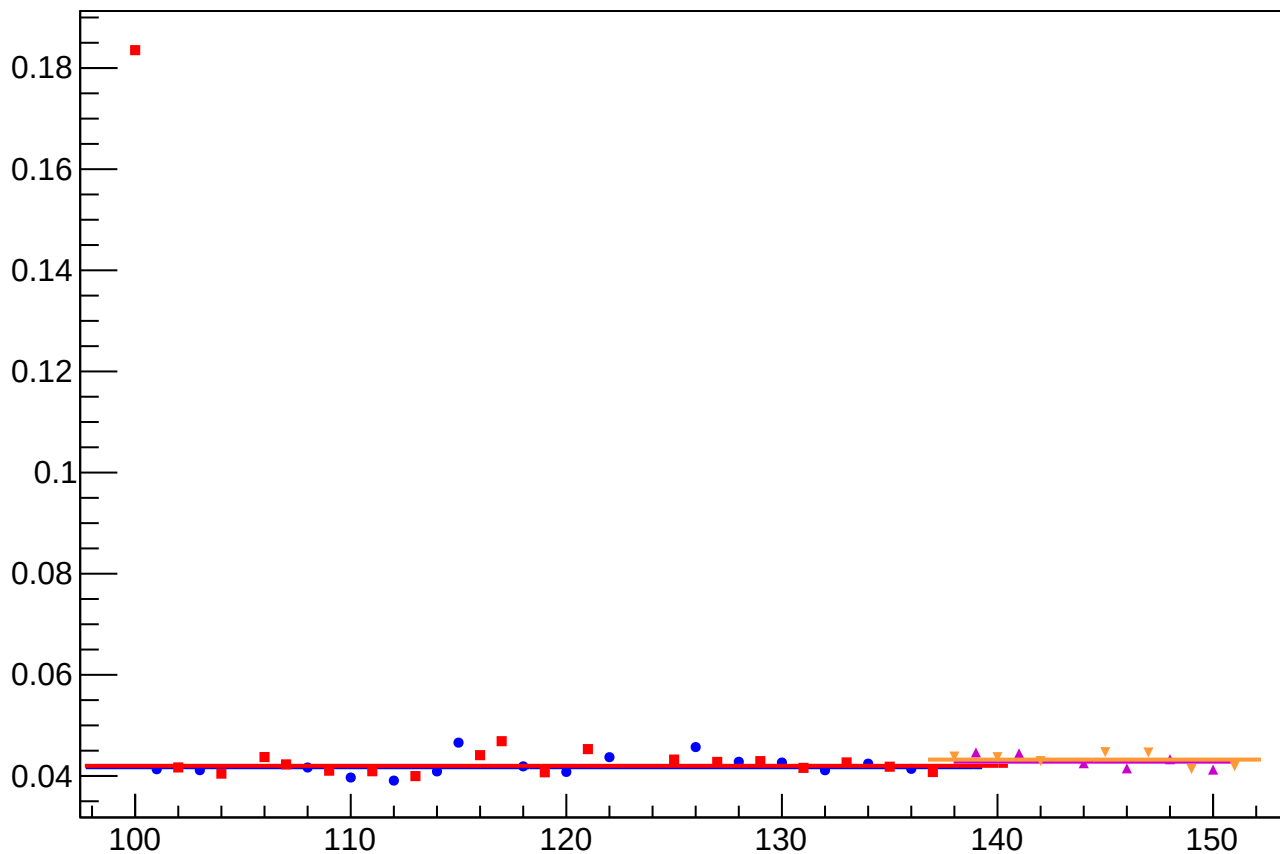
Left In: 82.293 $\pm$ 0.000 χ^2/NDF : 15205760.2/5

84.722 $\pm$ 0.000 χ^2/NDF : 318584040397.6/22

84.285 $\pm$ 0.000 χ^2/NDF : 504167355871.8

83.854 $\pm$ 0.000 χ^2/NDF : 183128932138.2/24

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 : 8441.3/6

Right Out: 0.042+/-0.000 χ^2/NDF : 97785.5/18

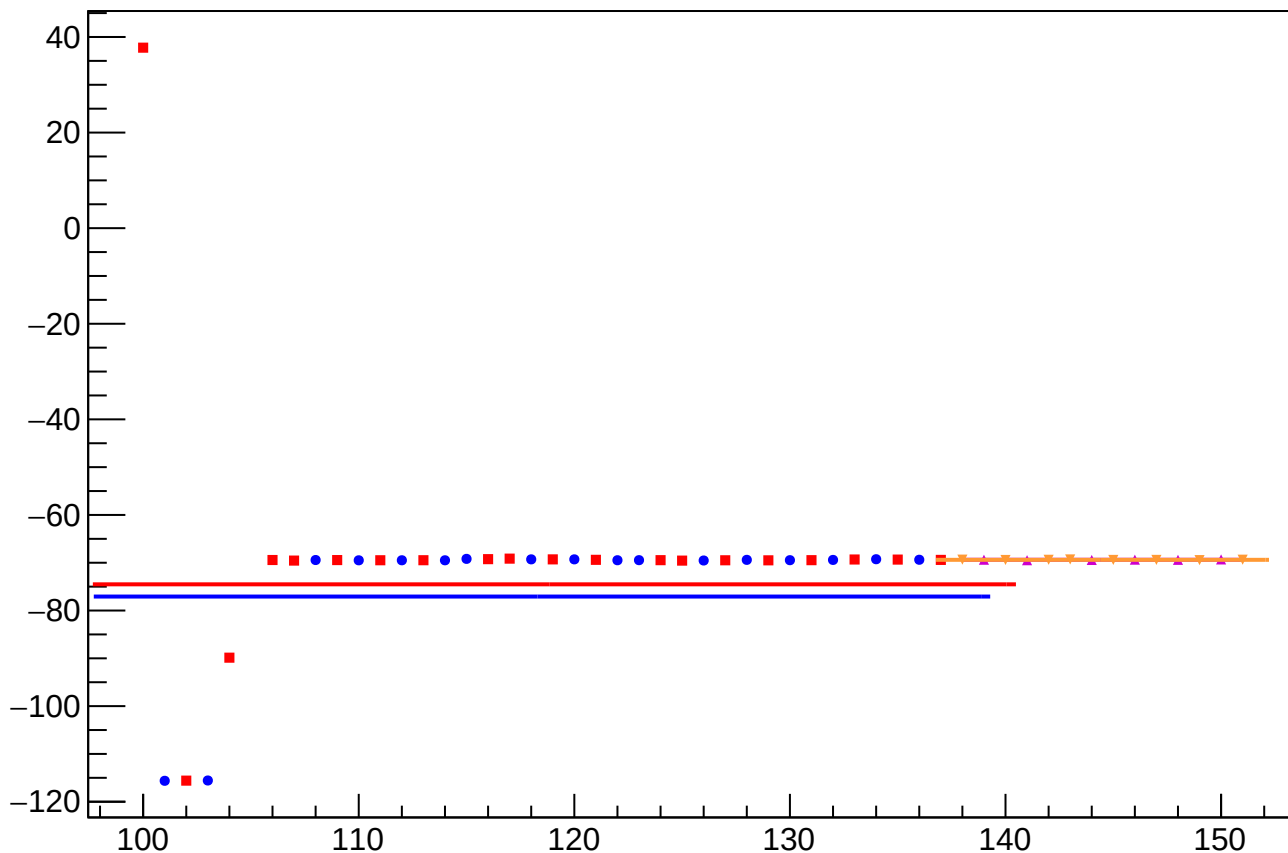
Left In: 0.043+/-0.000 χ^2/NDF : 9098.0/5

0.042+/-0.000 χ^2/NDF : 34477.6/22

0.042+/-0.000 χ^2/NDF : 143512.0/47

0.042+/-0.000 χ^2/NDF : 109031.7/24

yield_dsr_mean vs Slug, Sign Corrected



Right In: -77.074 $\pm$ 0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.390 $\pm$ 0.000 χ^2/NDF : 3096045.2/7

Right Out: -74.518 $\pm$ 0.000 χ^2/NDF : 372210051226.2/19

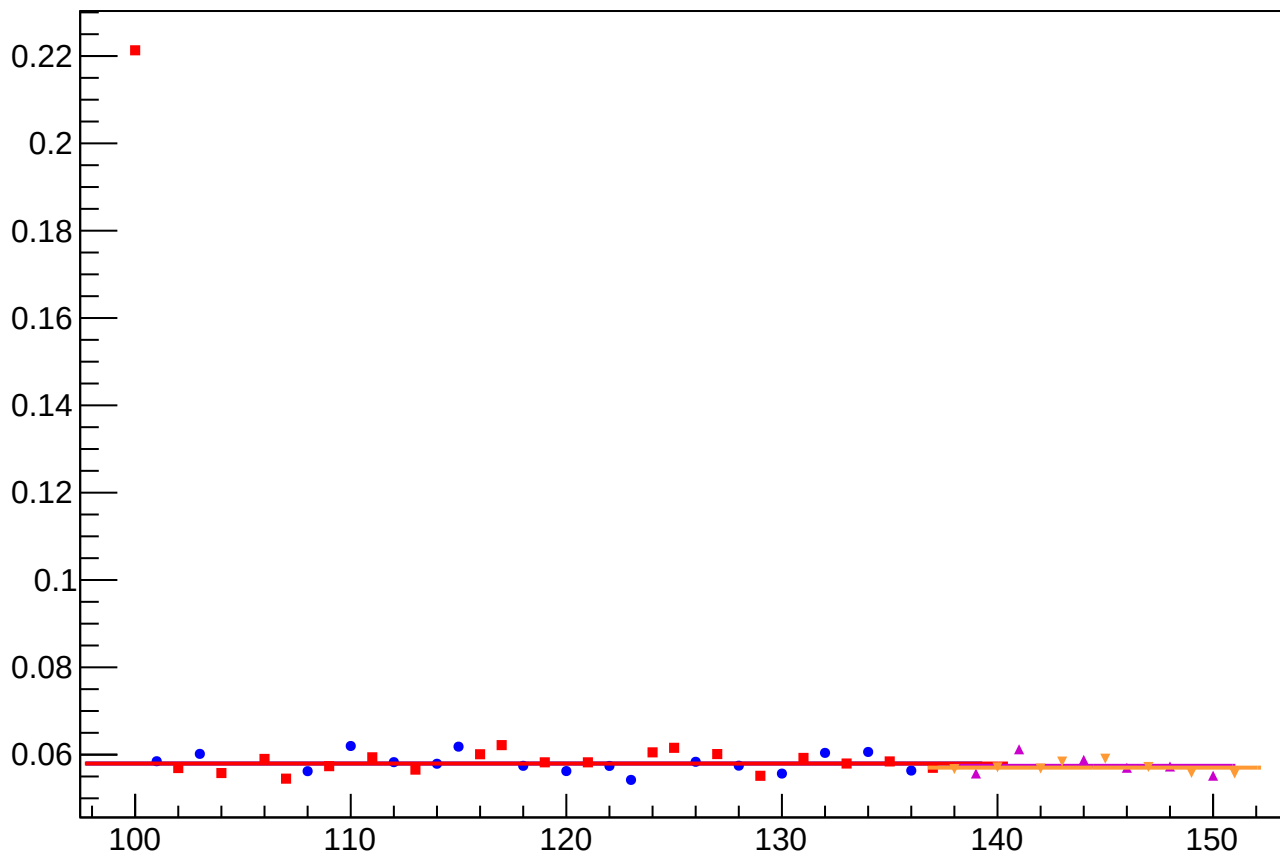
Left In: -69.381 $\pm$ 0.000 χ^2/NDF : 3794288.2/5

-73.442 $\pm$ 0.000 χ^2/NDF : 618833581106.1/24

-72.932 $\pm$ 0.000 χ^2/NDF : 101528531193

-72.402 $\pm$ 0.000 χ^2/NDF : 394526293879.7/25

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058+/-0.000 χ^2/NDF : 12275.6/16

Left Out: 0.057+/-0.000 χ^2/NDF : 4228.6/7

Right Out: 0.058+/-0.000 χ^2/NDF : 86860.7/19

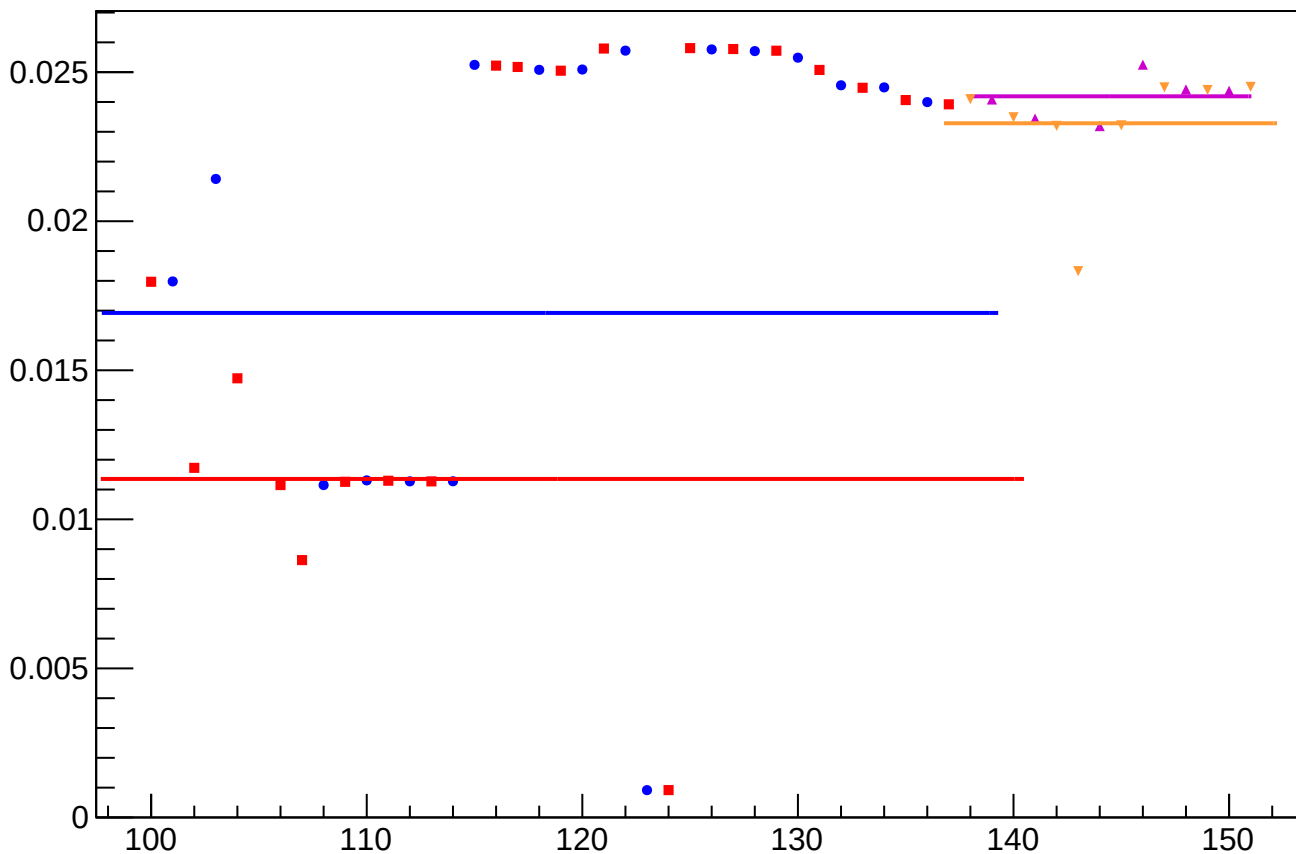
Left In: 0.057+/-0.000 χ^2/NDF : 11430.9/5

0.058+/-0.000 χ^2/NDF : 18116.6/24

0.058+/-0.000 χ^2/NDF : 117047.8/50

0.058+/-0.000 χ^2/NDF : 98753.5/25

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 126447785006.7/16

Left Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 4415890102.5/7

0.019 $\pm$ 0.000 χ^2 /NDF: 157221502357.4/24

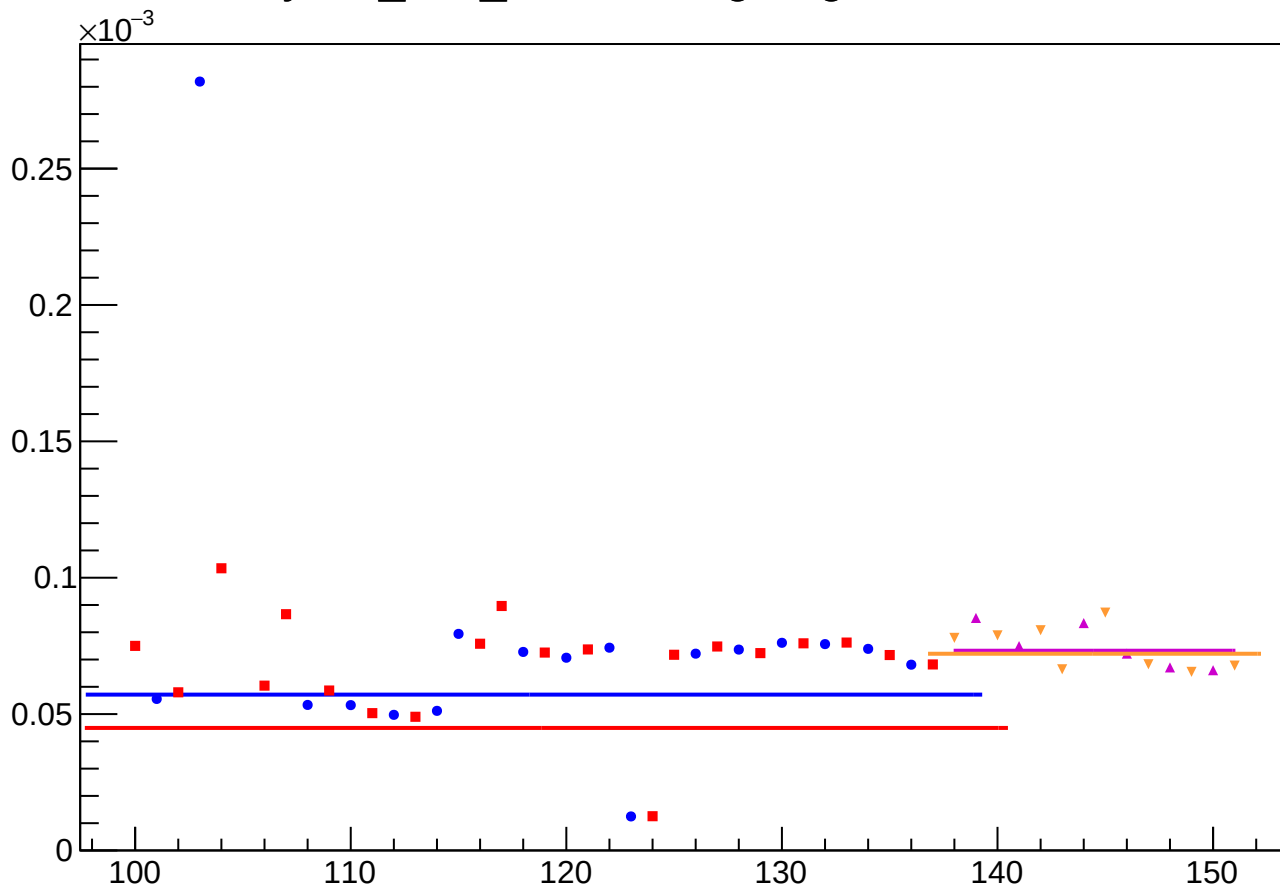
Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 235754579473.9/19

0.017 $\pm$ 0.000 χ^2 /NDF: 531236549876.2/19

0.015 $\pm$ 0.000 χ^2 /NDF: 342602281730.6/25

Left In: 0.024 $\pm$ 0.000 χ^2 /NDF: 387749667.4/5

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 2000446.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 109169.7/7

Right Out: 0.000+/-0.000 χ^2/NDF : 3613155.3/19

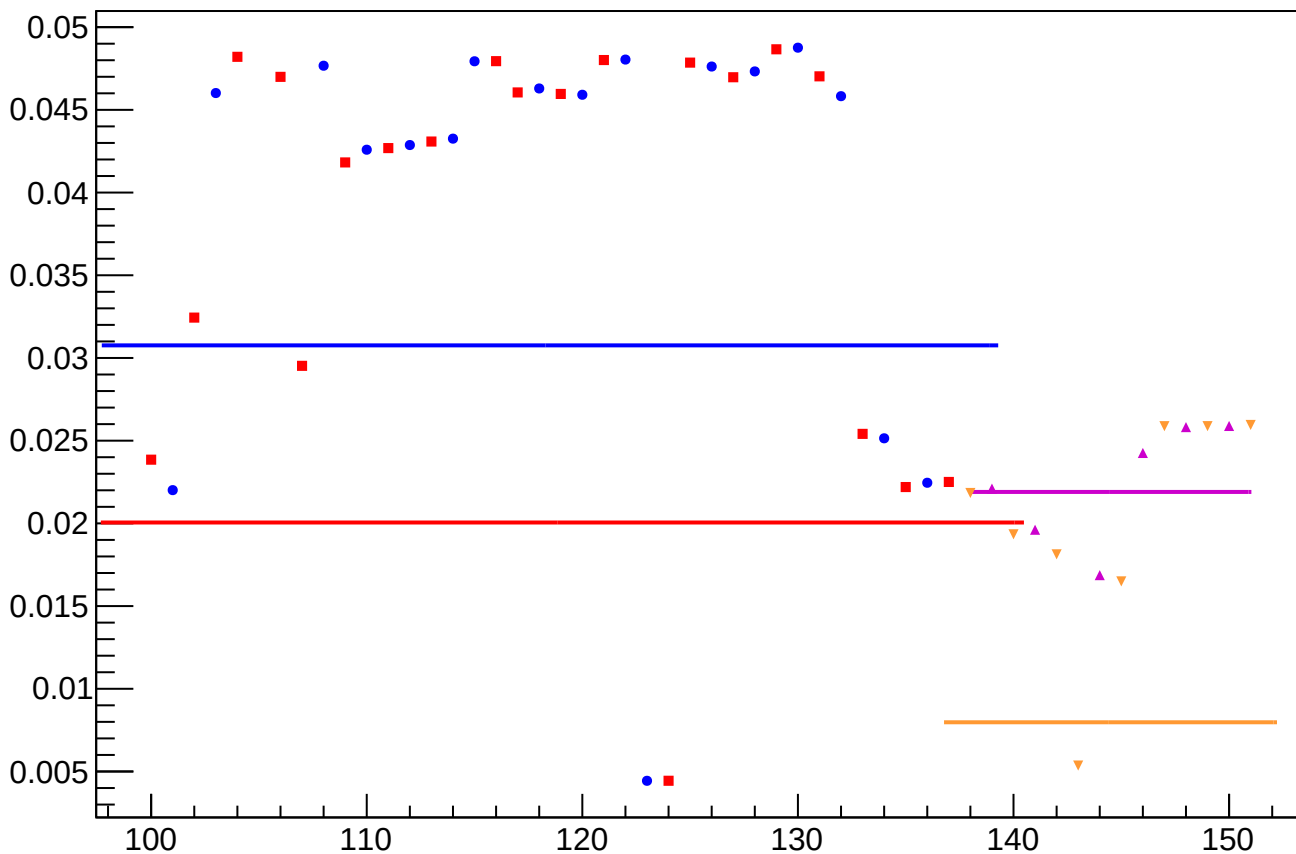
Left In: 0.000+/-0.000 χ^2/NDF : 87143.0/5

0.000+/-0.000 χ^2/NDF : 2402061.5/24

0.000+/-0.000 χ^2/NDF : 7462286.8/50

0.000+/-0.000 χ^2/NDF : 4735948.1/25

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.000 χ^2/NDF : 21174738549.0/16

Left Out: 0.008+/-0.000 χ^2/NDF : 16032384303.3/7

Right Out: 0.020+/-0.000 χ^2/NDF : 40133684916.8/19

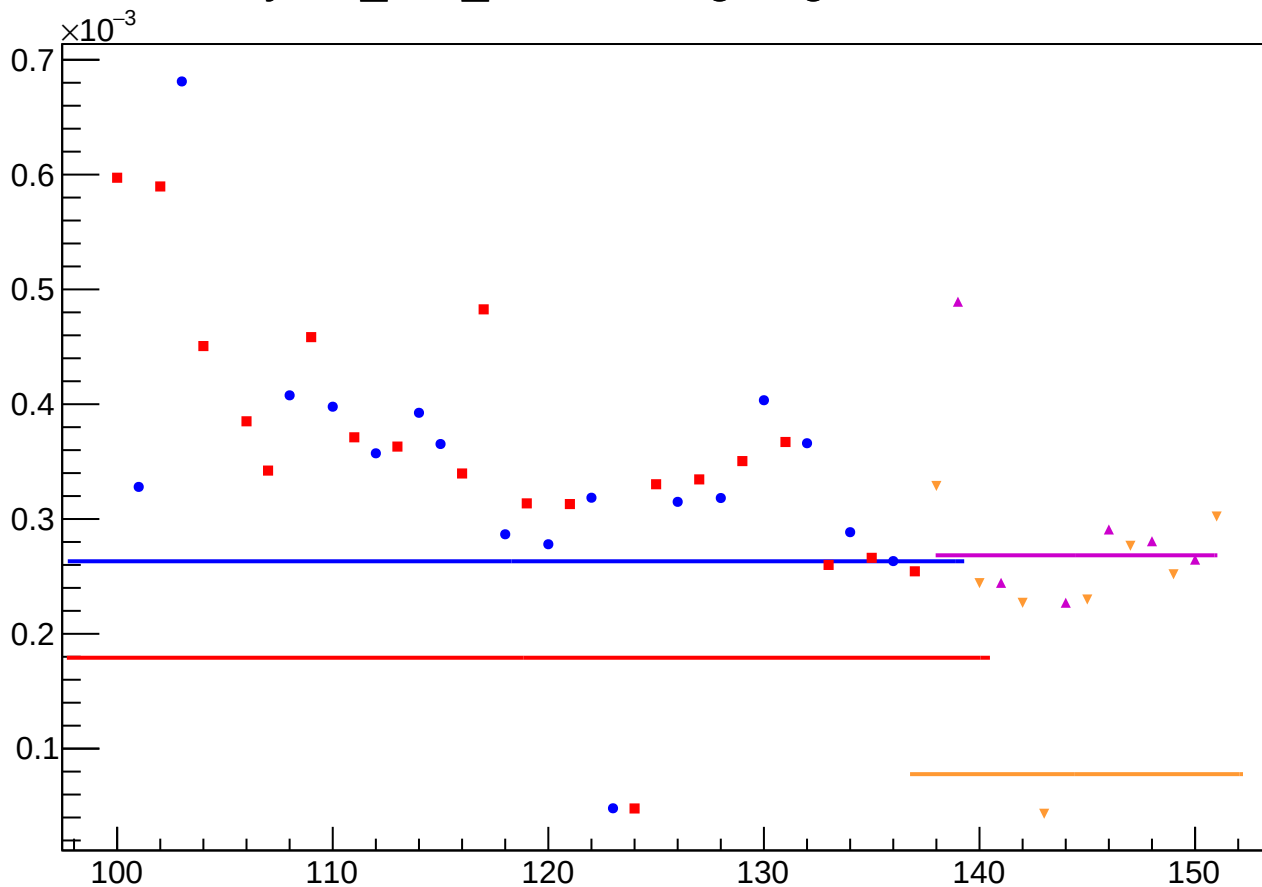
Left In: 0.022+/-0.000 χ^2/NDF : 819870576.9/5

0.011+/-0.000 χ^2/NDF : 68601315550.6/24

0.014+/-0.000 χ^2/NDF : 121102209410.2/25

0.021+/-0.000 χ^2/NDF : 41088792419.3/25

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 : 5362253.7/7

Right Out: 0.000+/-0.000 χ^2/NDF : 5374355.8/19

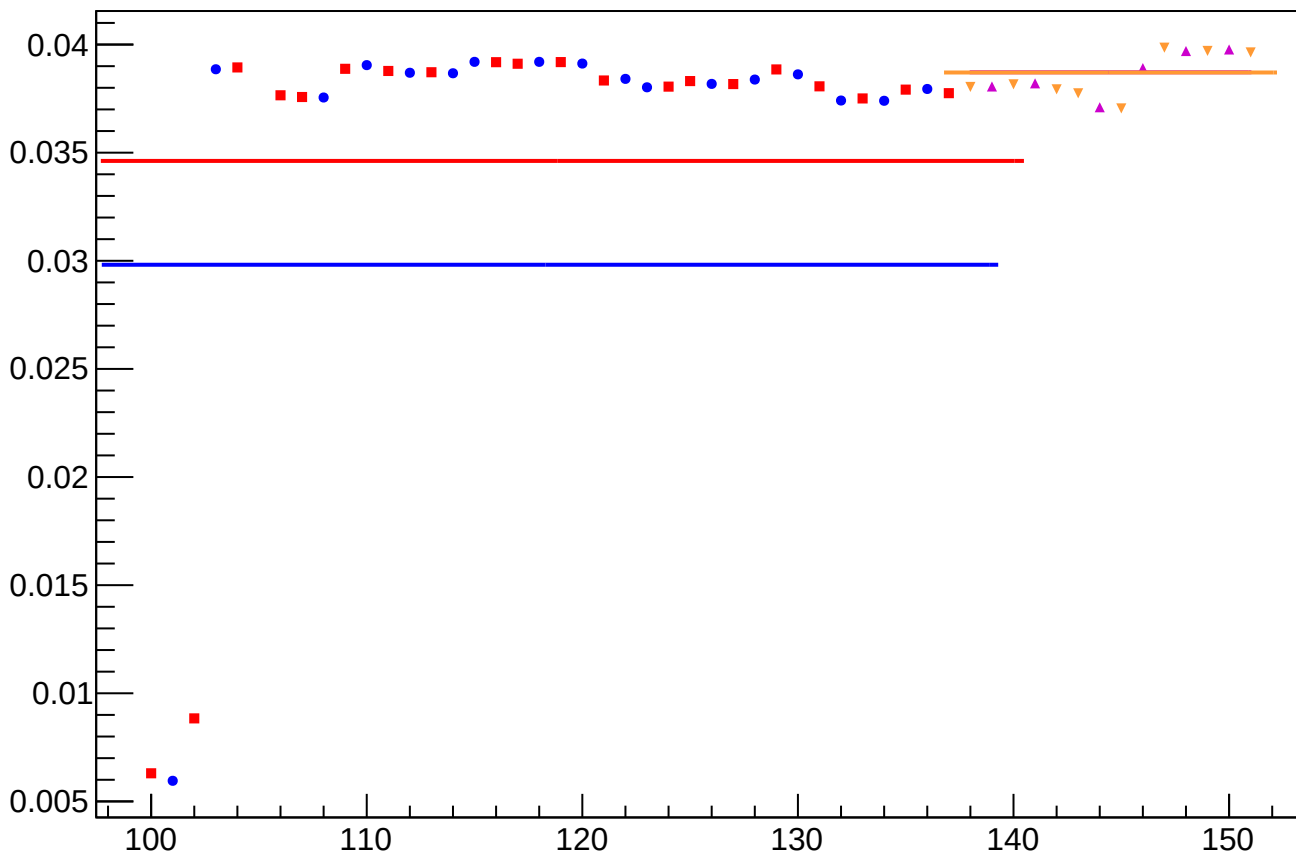
Left In: 0.000+/-0.000 χ^2/NDF : 363447.5/5

0.000+/-0.000 χ^2/NDF : 11920753.8/24

0.000+/-0.000 χ^2/NDF : 21121238.0/50

0.000+/-0.000 χ^2/NDF : 6368619.9/25

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:301751641.0/7

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 43717644957.2/19

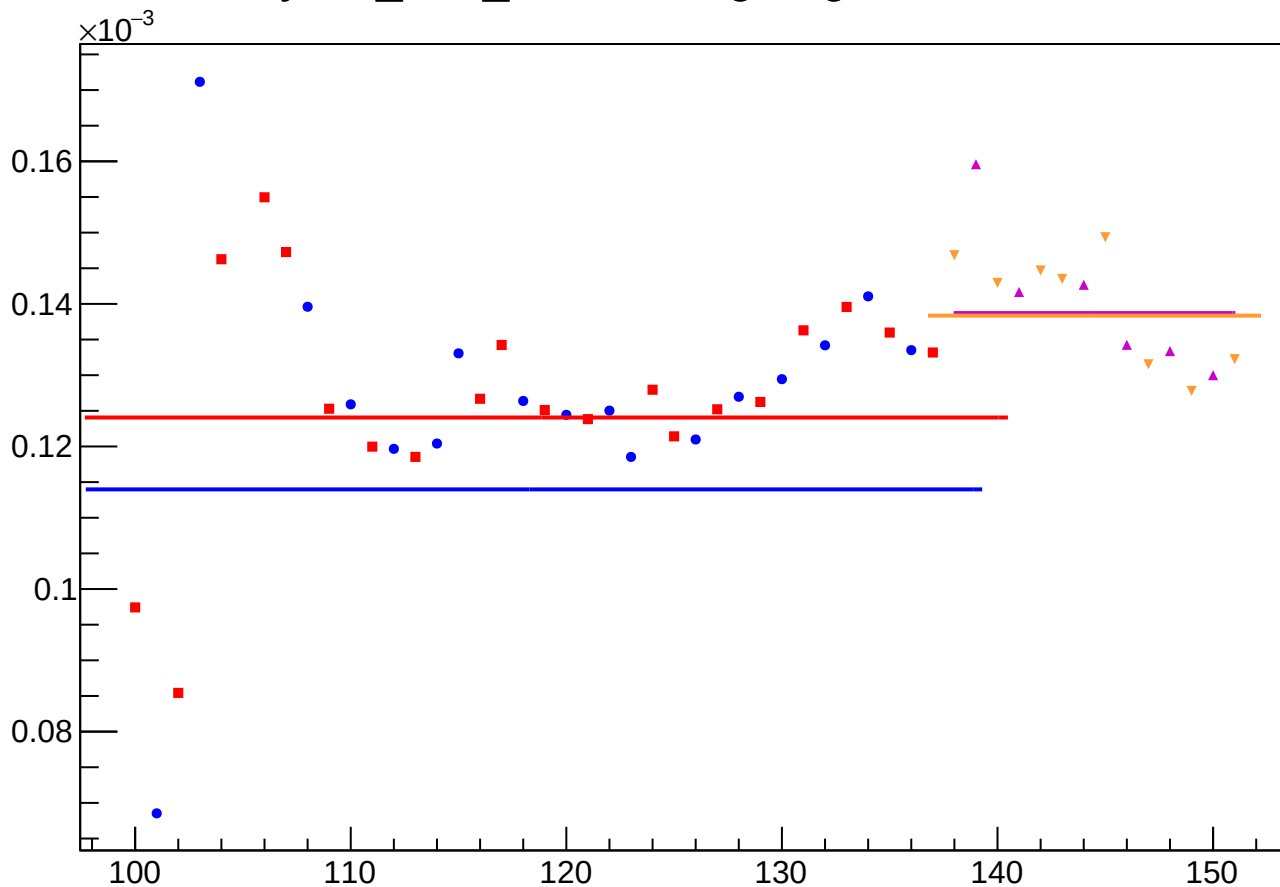
Left In: 0.039 $\pm$ 0.000 χ^2 /NDF:228557528.7/5

0.033 $\pm$ 0.000 χ^2 /NDF: 111653283113.6/24

0.035 $\pm$ 0.000 χ^2 /NDF: 161263835091.4/7

0.036 $\pm$ 0.000 χ^2 /NDF: 46586506551.5/25

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 : 35684.2/7

Right Out: 0.000+/-0.000 χ^2/NDF : 245649.5/19

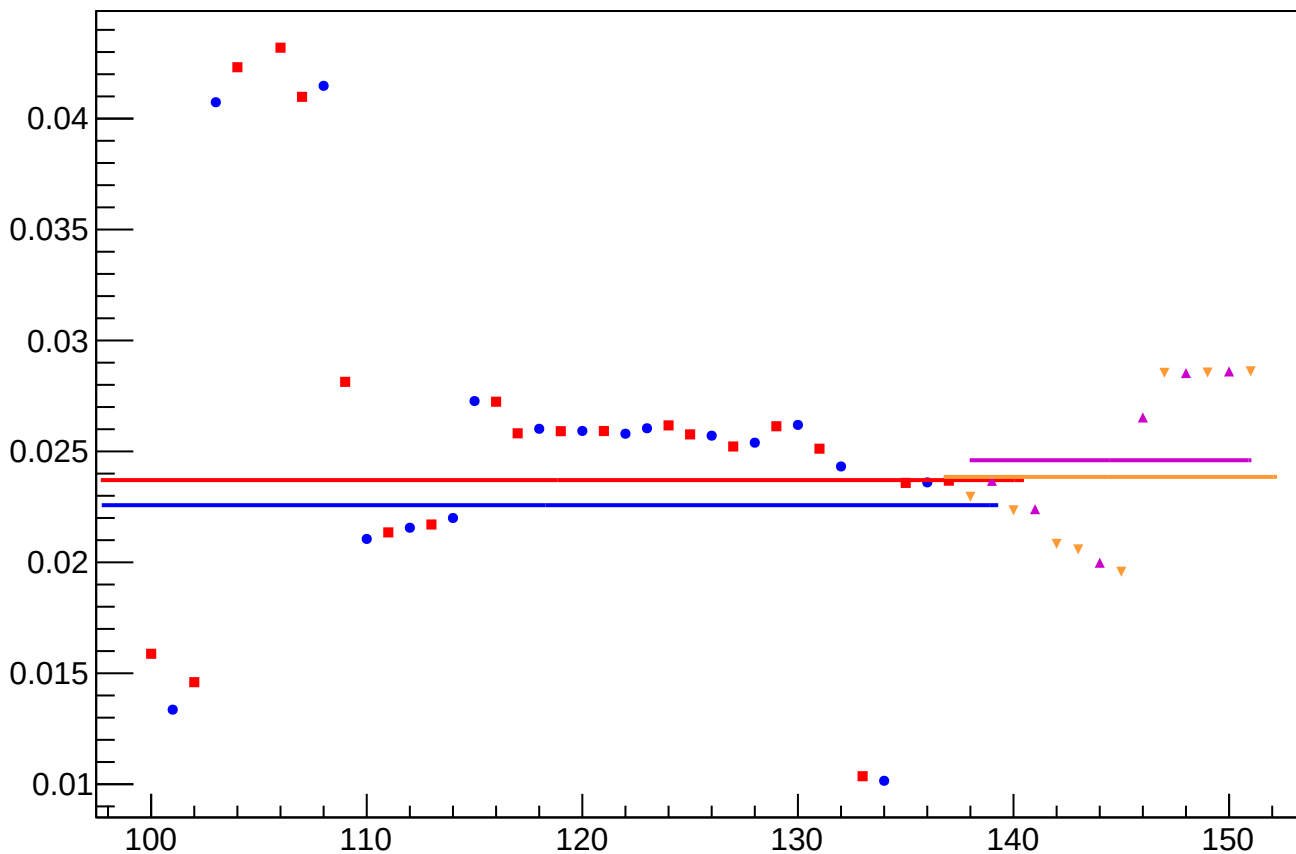
Left In: 0.000+/-0.000 χ^2/NDF : 38288.4/5

0.000+/-0.000 χ^2/NDF : 1043706.2/24

0.000+/-0.000 χ^2/NDF : 1421835.7/50

0.000+/-0.000 χ^2/NDF : 351371.8/25

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF : 4247774712.9/16

Left Out: 0.024+/-0.000 χ^2/NDF : 1149523975.1/7

Right Out: 0.024+/-0.000 χ^2/NDF : 5652505580.7/19

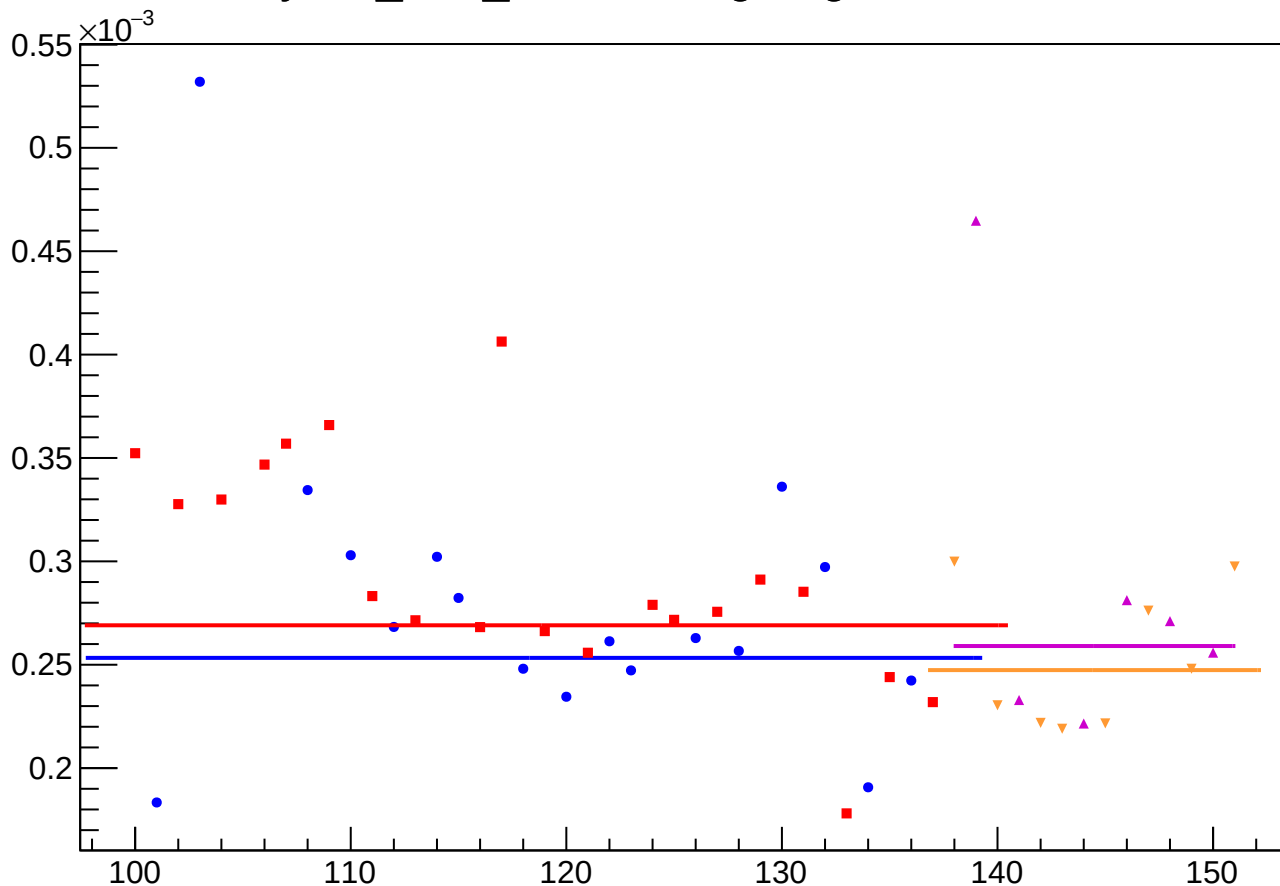
Left In: 0.025+/-0.000 χ^2/NDF : 798798552.2/5

0.023+/-0.000 χ^2/NDF : 5467056678.2/24

0.024+/-0.000 χ^2/NDF : 12014127757.9/5

0.024+/-0.000 χ^2/NDF : 6480779652.9/25

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 : 151124.2/7

Right Out: 0.000+/-0.000 χ^2/NDF : 437710.5/19

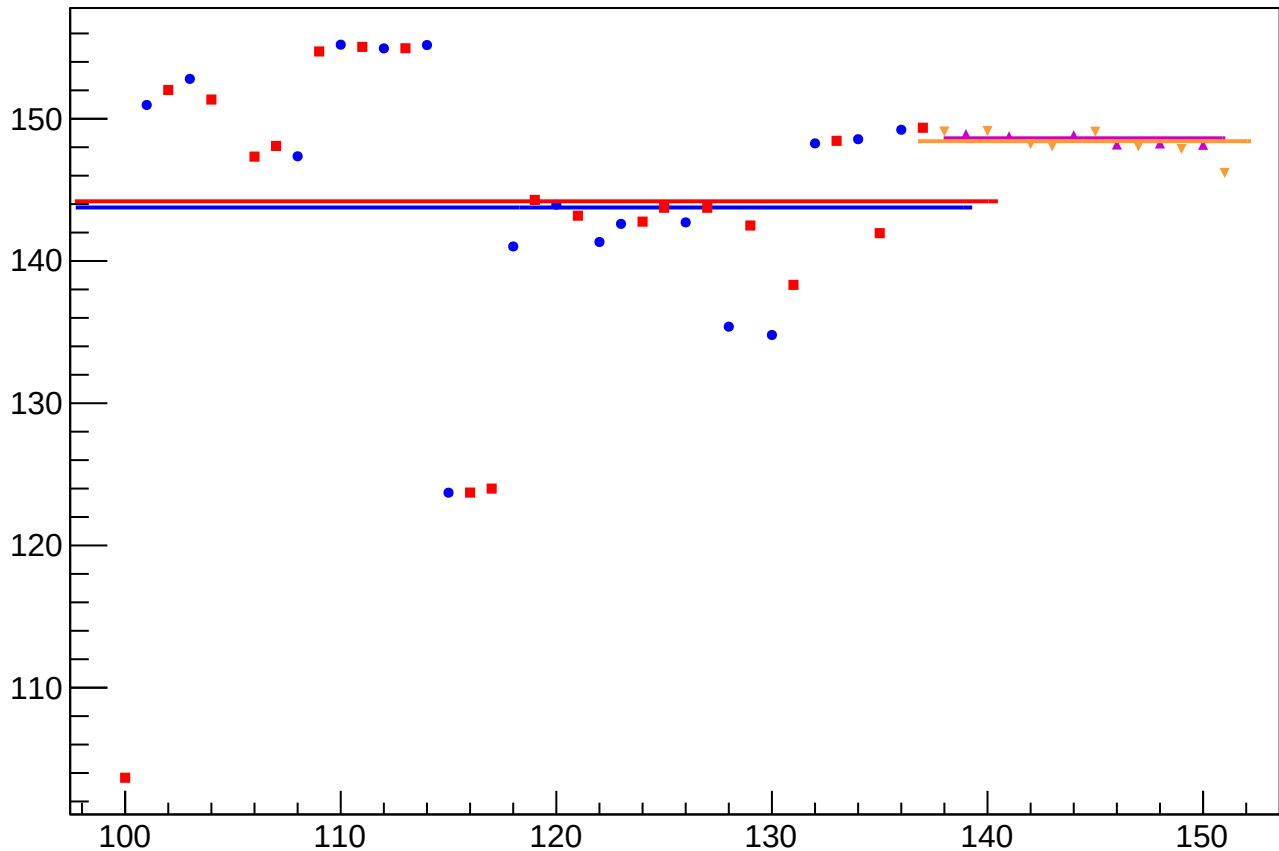
Left In: 0.000+/-0.000 χ^2/NDF : 350775.1/5

0.000+/-0.000 χ^2/NDF : 783291.8/24

0.000+/-0.000 χ^2/NDF : 1611798.8/50

0.000+/-0.000 χ^2/NDF : 795892.7/25

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.763 $\pm$ 0.000 χ^2/NDF : 3534699505.1/16

Left Out: 148.425 $\pm$ 0.000 χ^2/NDF : 30680996.7/7

Right Out: 144.197 $\pm$ 0.000 χ^2/NDF : 4523139755.0/19

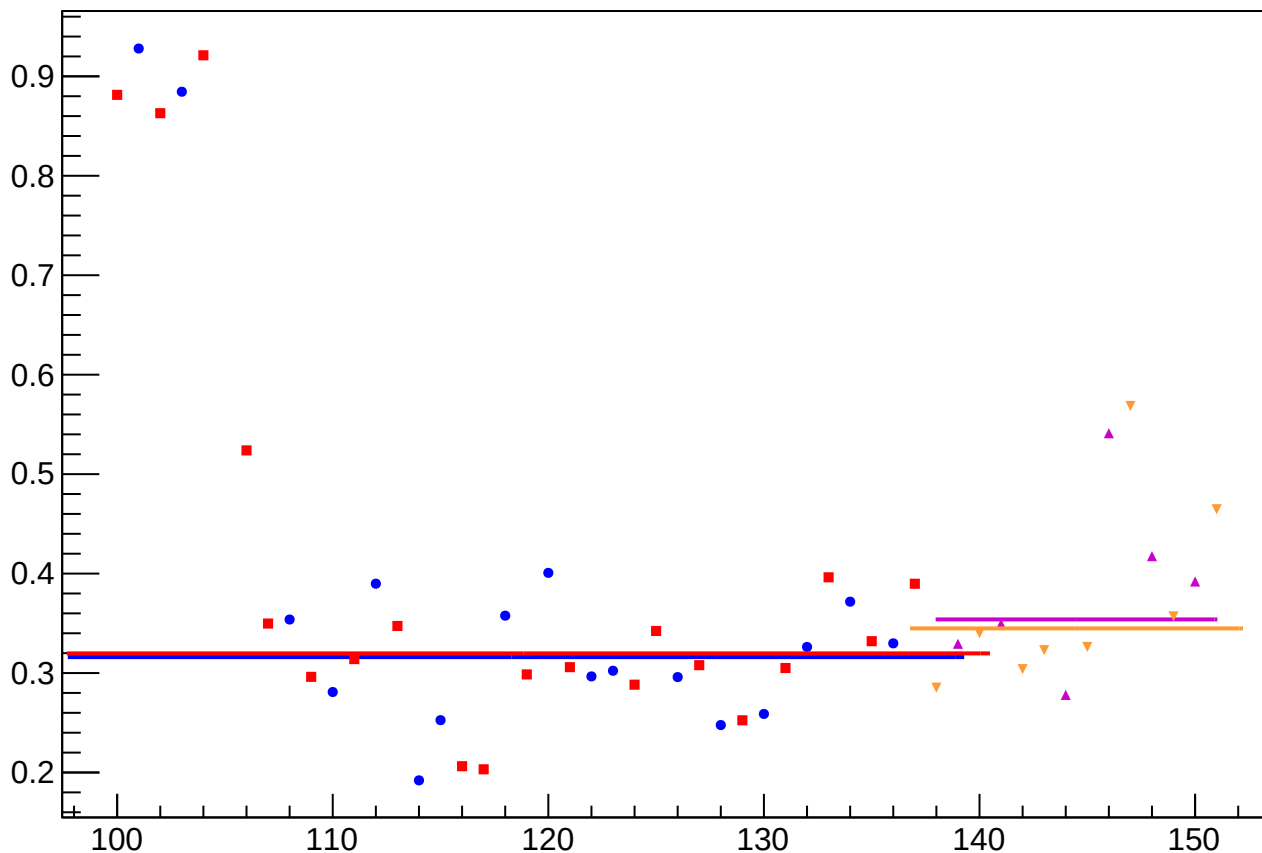
Left In: 148.627 $\pm$ 0.000 χ^2/NDF : 3478142.6/5

145.838 $\pm$ 0.000 χ^2/NDF : 4103411234.3/24

145.874 $\pm$ 0.000 χ^2/NDF : 9067542510.6/24

145.913 $\pm$ 0.000 χ^2/NDF : 4963855056.2/25

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.316 $\pm$ 0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.345 $\pm$ 0.000 χ^2/NDF : 416302.6/7

Right Out: 0.320 $\pm$ 0.000 χ^2/NDF : 1241752.3/19

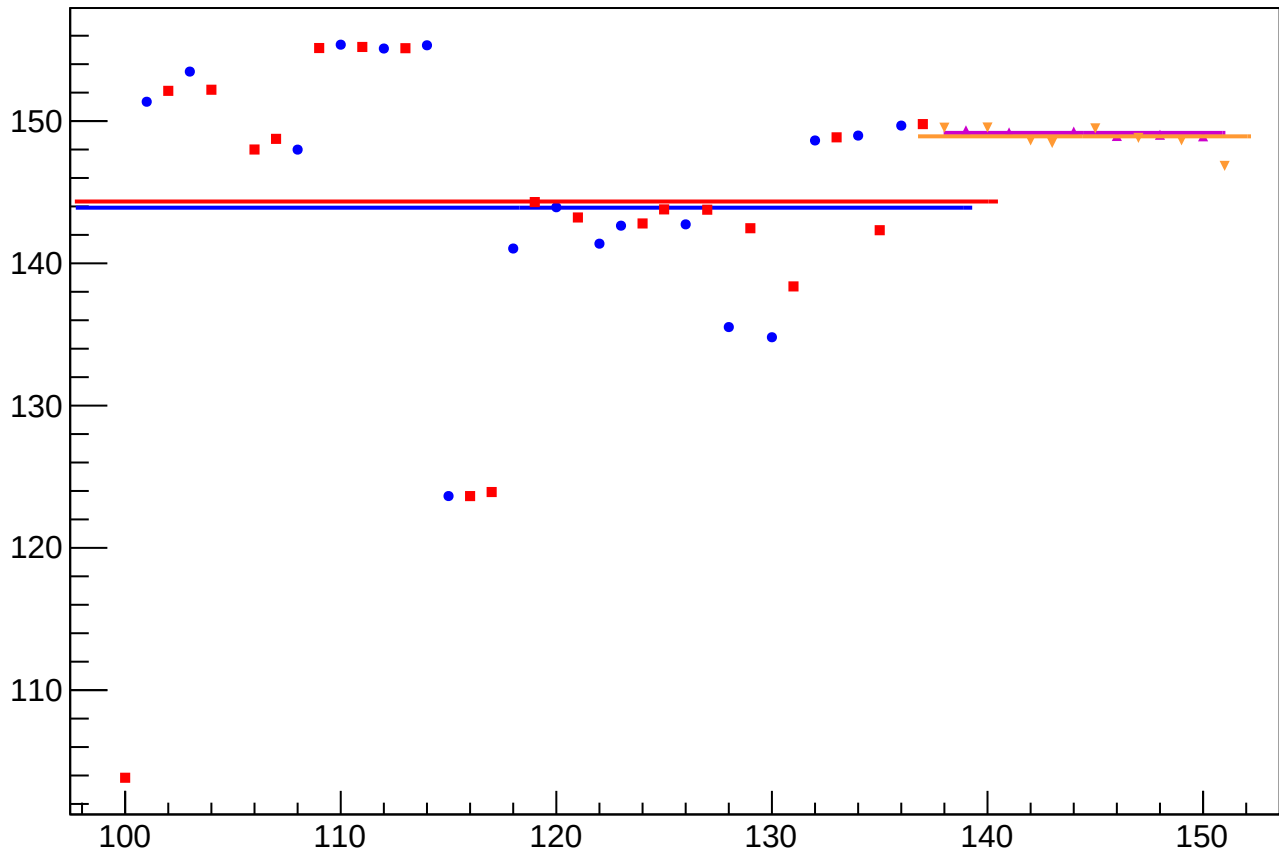
Left In: 0.354 $\pm$ 0.000 χ^2/NDF : 373835.1/5

0.329 $\pm$ 0.000 χ^2/NDF : 1723437.4/24

0.331 $\pm$ 0.000 χ^2/NDF : 3392654.9/50

0.333 $\pm$ 0.000 χ^2/NDF : 1667568.1/25

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 143.912 $\pm$ 0.000 χ^2 /NDF: 3587769790.2/16

Left Out: 148.927 $\pm$ 0.000 χ^2 /NDF: 24422008.0/7

Right Out: 144.347 $\pm$ 0.000 χ^2 /NDF: 4550581147.9/19

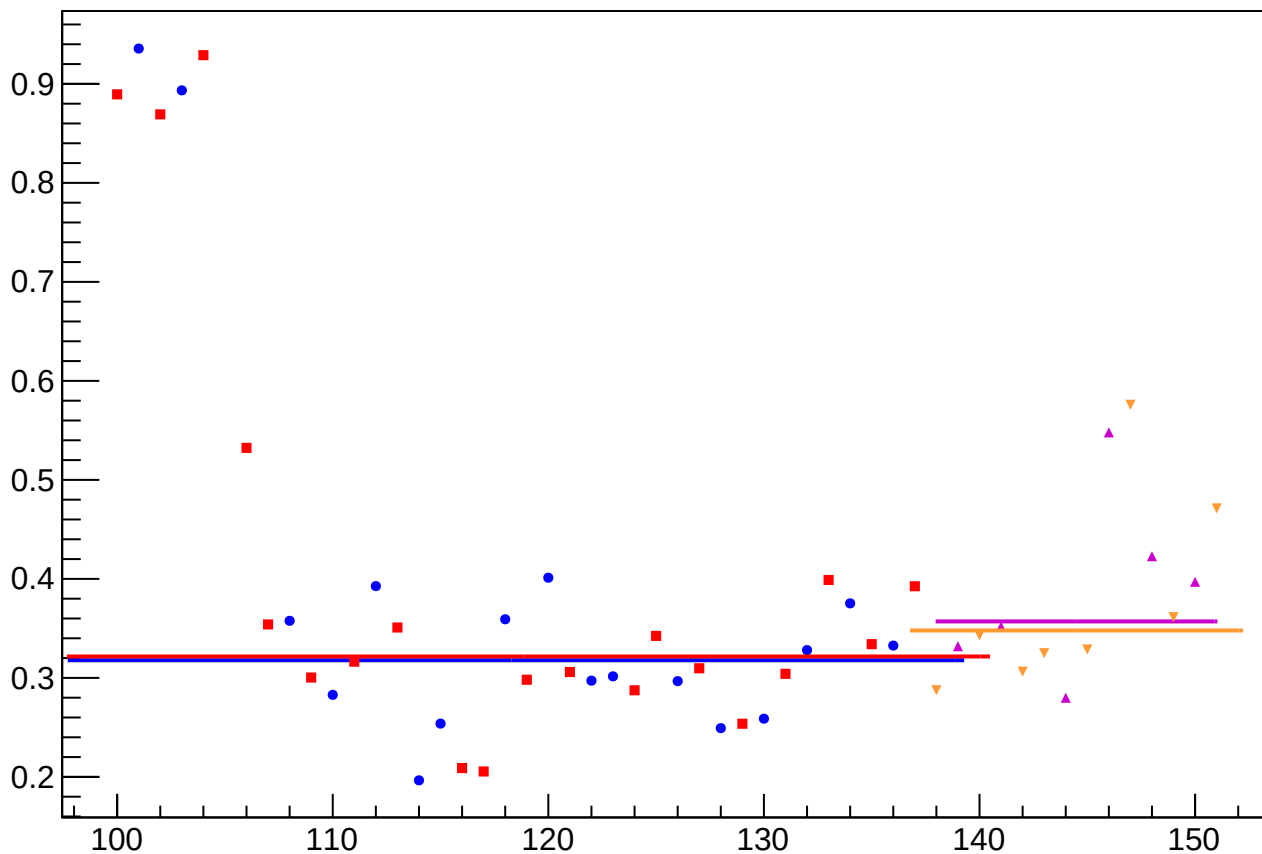
Left In: 149.169 $\pm$ 0.000 χ^2 /NDF: 822626.1/5

146.136 $\pm$ 0.000 χ^2 /NDF: 4225262542.5/24

146.170 $\pm$ 0.000 χ^2 /NDF: 9286880307.6/24

146.208 $\pm$ 0.000 χ^2 /NDF: 5061368627.1/25

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.318 $\pm$ 0.000 χ^2/NDF : 1268257.9/16

Left Out: 0.348 $\pm$ 0.000 χ^2/NDF : 424031.0/7

Right Out: 0.322 $\pm$ 0.000 χ^2/NDF : 1244304.0/19

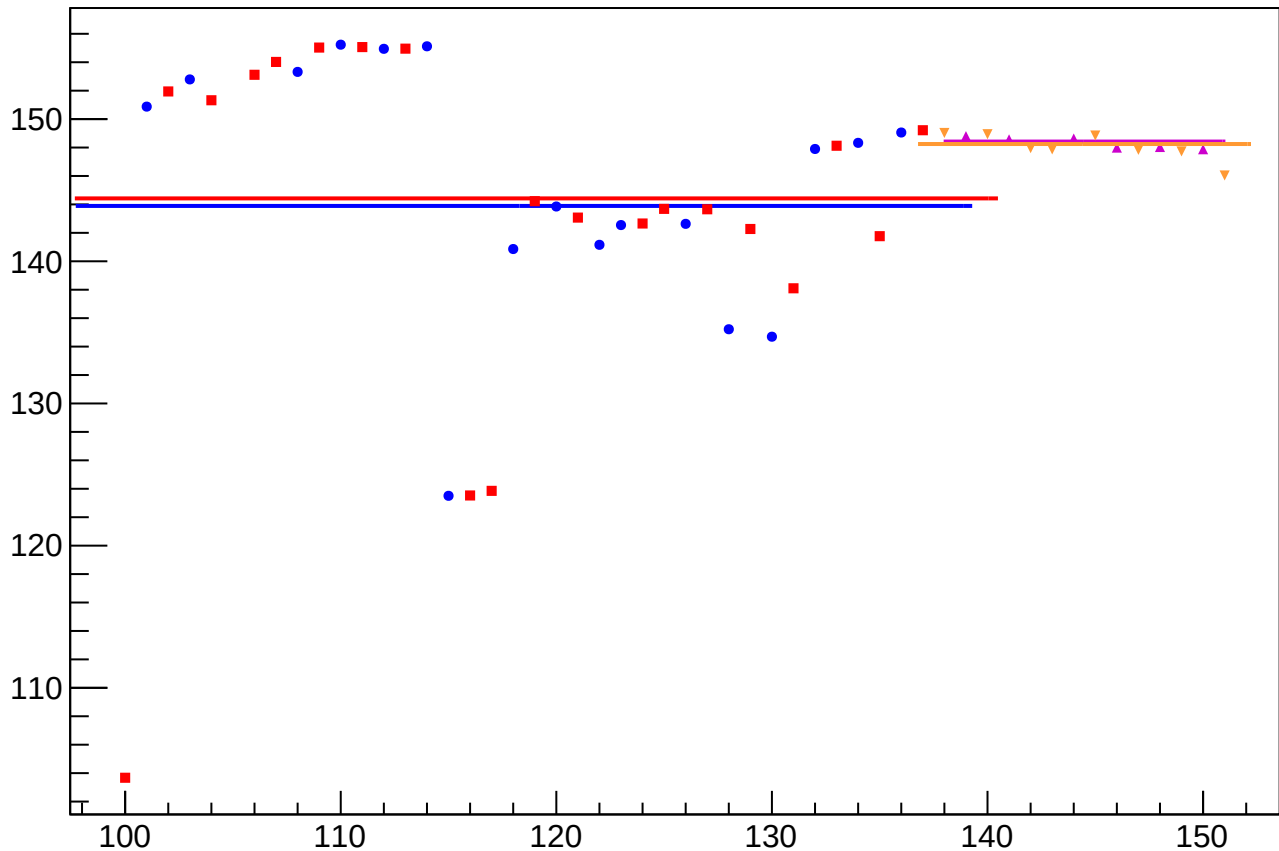
Left In: 0.357 $\pm$ 0.000 χ^2/NDF : 381743.4/5

0.331 $\pm$ 0.000 χ^2/NDF : 1736418.6/24

0.333 $\pm$ 0.000 χ^2/NDF : 3419006.1/50

0.335 $\pm$ 0.000 χ^2/NDF : 1680945.1/25

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.893 $\pm$ 0.000 χ^2/NDF : 3752655677.2/16

Left Out: 148.247 $\pm$ 0.000 χ^2/NDF : 30752653.4/7

Right Out: 144.423 $\pm$ 0.000 χ^2/NDF : 4819194675.6/19

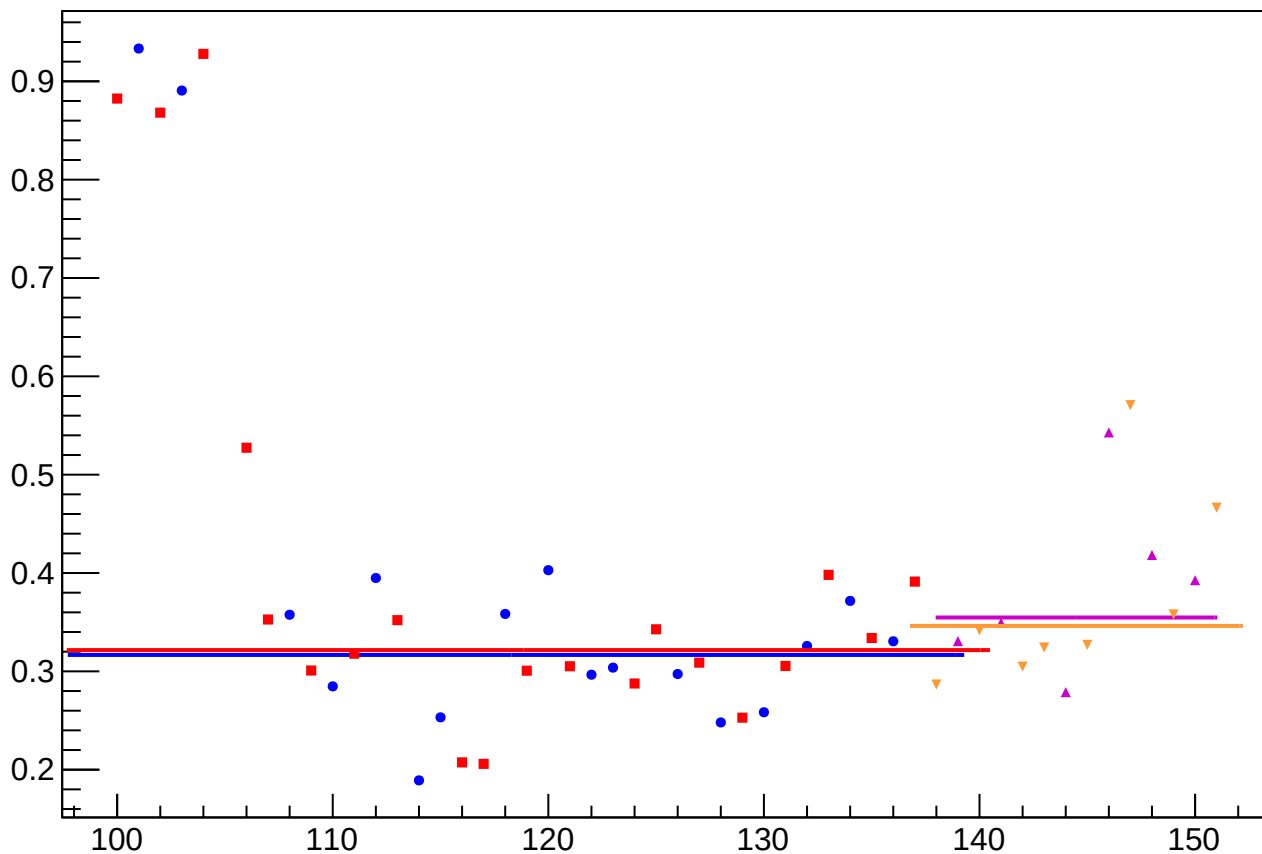
Left In: 148.421 $\pm$ 0.000 χ^2/NDF : 4307563.4/5

145.829 $\pm$ 0.000 χ^2/NDF : 4249380837.0/24

145.902 $\pm$ 0.000 χ^2/NDF : 9427421346.4/24

145.979 $\pm$ 0.000 χ^2/NDF : 5176971055.4/25

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317+/-0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.346+/-0.000 χ^2/NDF : 415985.7/7

Right Out: 0.322+/-0.000 χ^2/NDF : 1244671.1/19

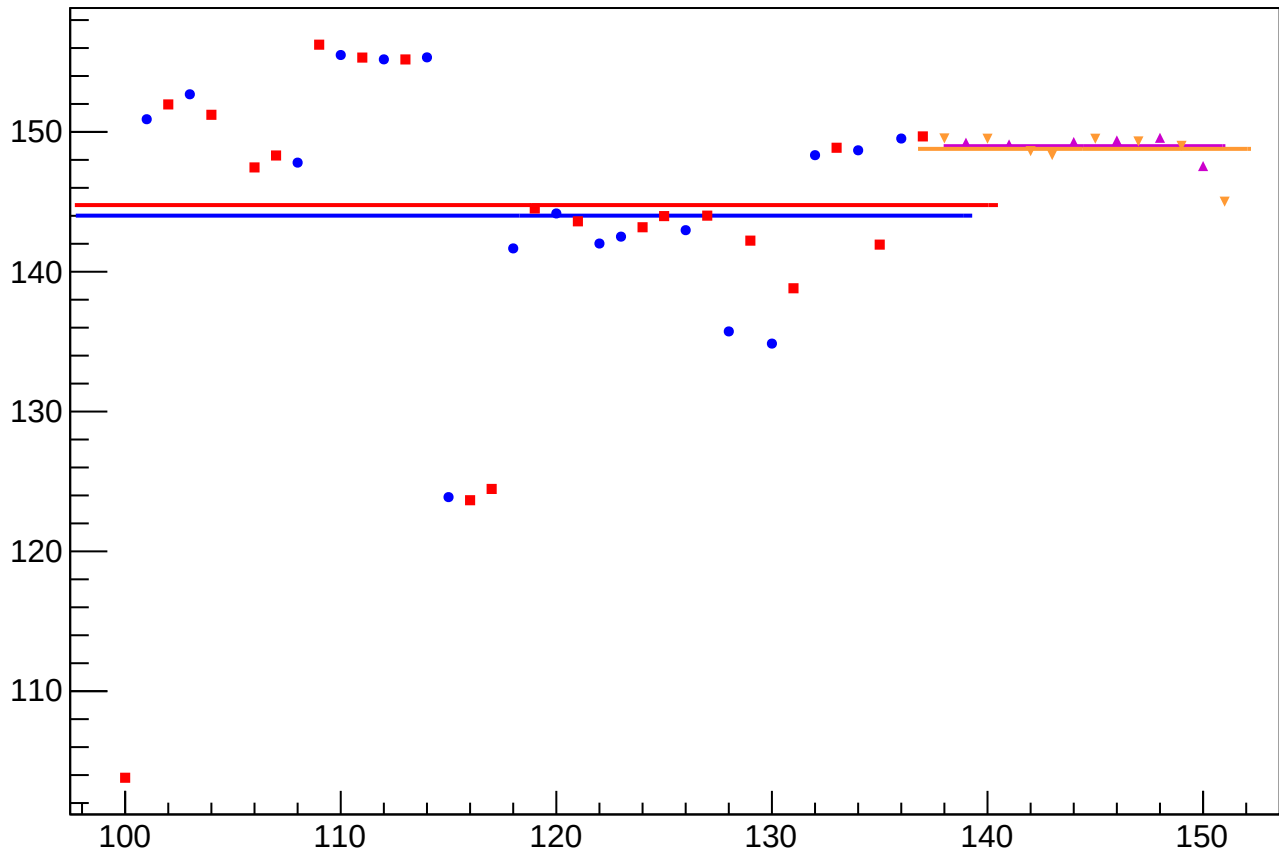
Left In: 0.355+/-0.000 χ^2/NDF : 373340.2/5

0.330+/-0.000 χ^2/NDF : 1739139.6/24

0.332+/-0.000 χ^2/NDF : 3407830.5/50

0.335+/-0.000 χ^2/NDF : 1666568.2/25

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.012 $\pm$ 0.000 χ^2 /NDF: 3241696920.3/16

Left Out: 148.788 $\pm$ 0.000 χ^2 /NDF: 60967167.9/7

Right Out: 144.767 $\pm$ 0.000 χ^2 /NDF: 4097482970.1/19

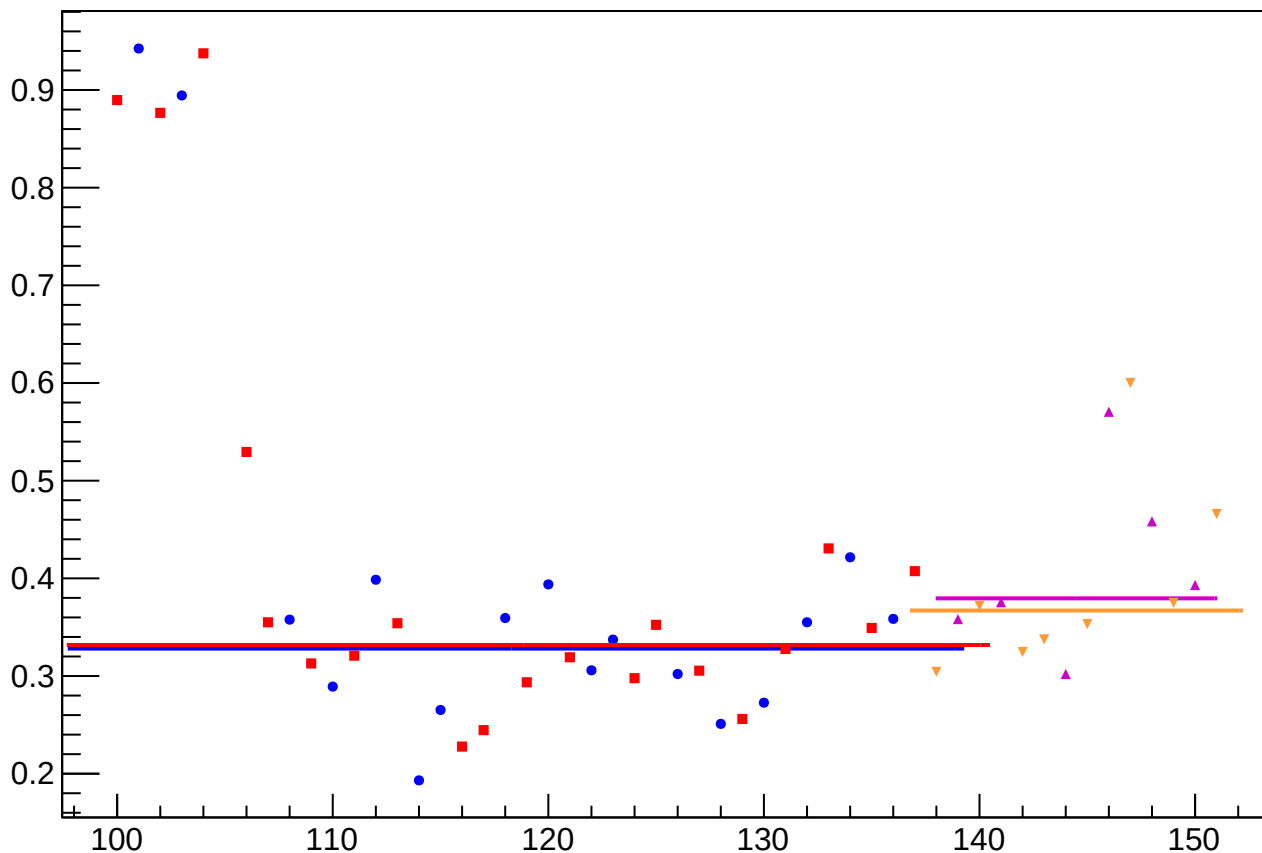
Left In: 148.981 $\pm$ 0.000 χ^2 /NDF: 14129035.2/5

146.080 $\pm$ 0.000 χ^2 /NDF: 3809573421.5/24

146.204 $\pm$ 0.000 χ^2 /NDF: 8276793661.2/24

146.335 $\pm$ 0.000 χ^2 /NDF: 4464370955.3/25

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.328 ± 0.000 $\chi^2/\text{NDF}: 1265892.9/16$

Left Out: 0.367 ± 0.000 $\chi^2/\text{NDF}: 373645.2/7$

Right Out: 0.332 ± 0.000 $\chi^2/\text{NDF}: 1194167.8/19$

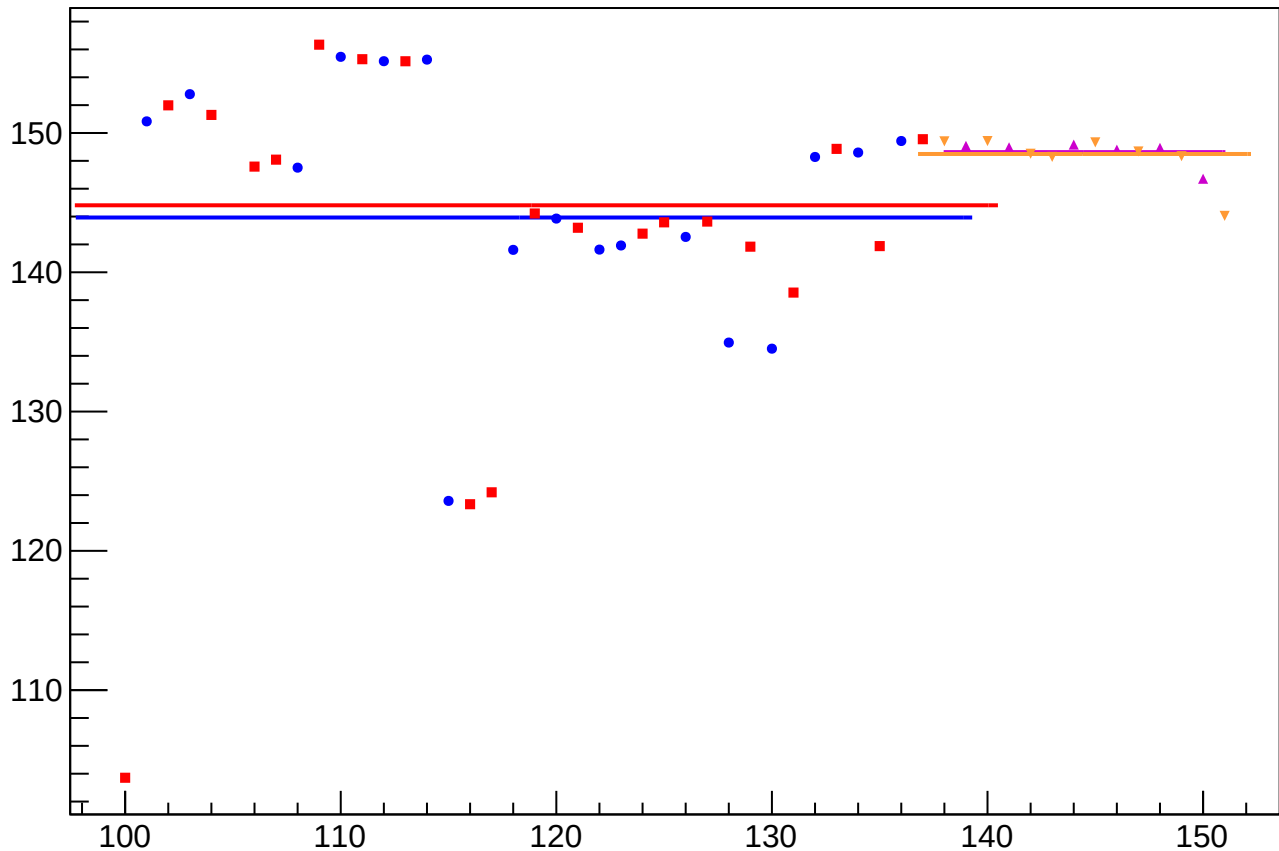
Left In: 0.380 ± 0.000 $\chi^2/\text{NDF}: 337192.1/5$

0.345 ± 0.000 $\chi^2/\text{NDF}: 1706909.8/24$

0.347 ± 0.000 $\chi^2/\text{NDF}: 3330586.4/50$

0.350 ± 0.000 $\chi^2/\text{NDF}: 1621852.4/25$

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 143.932 $\pm$ 0.000 χ^2 /NDF: 3383012861.2/16

Left Out: 148.493 $\pm$ 0.000 χ^2 /NDF: 82933179.2/7

Right Out: 144.809 $\pm$ 0.000 χ^2 /NDF: 4138041955.6/19

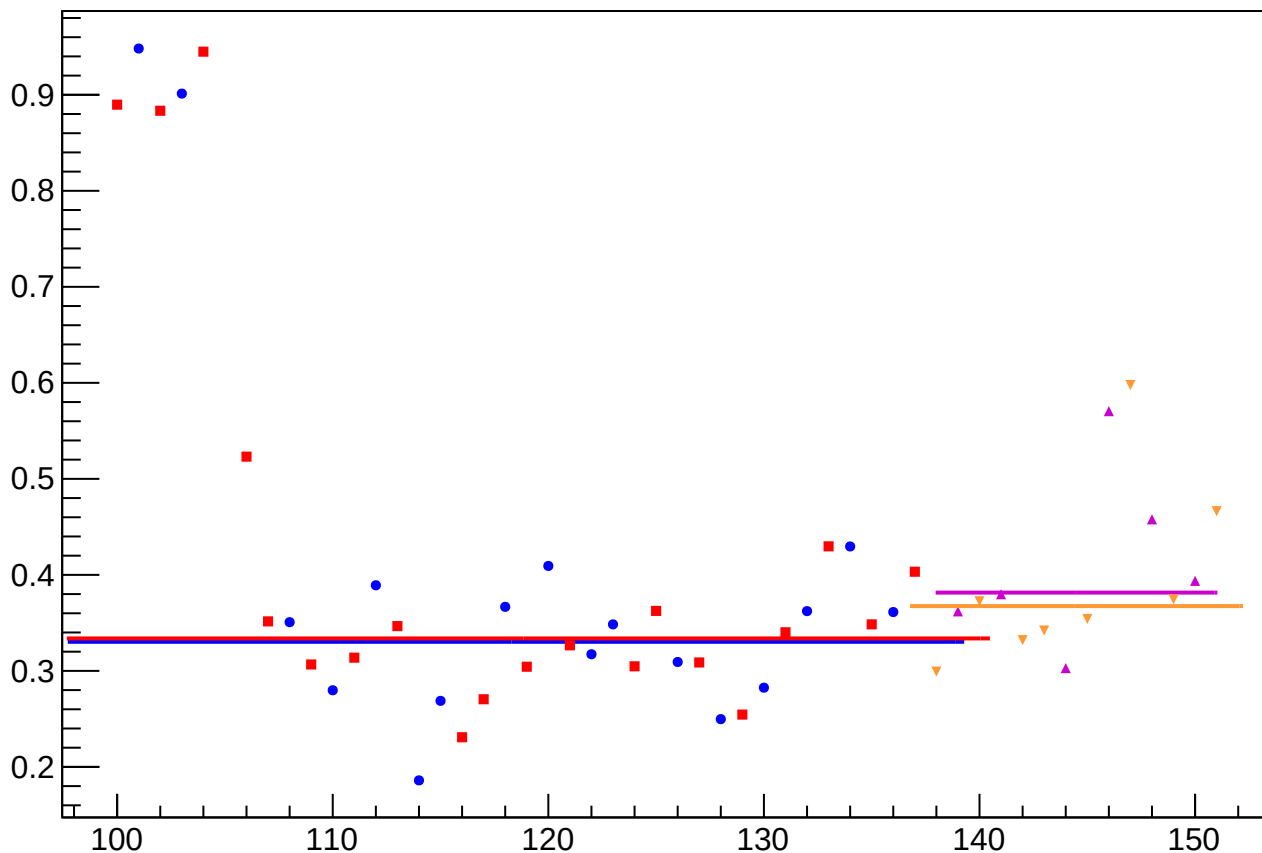
Left In: 148.628 $\pm$ 0.000 χ^2 /NDF: 24899702.1/5

145.920 $\pm$ 0.000 χ^2 /NDF: 3923316817.1/24

146.070 $\pm$ 0.000 χ^2 /NDF: 8376236649.7/7

146.229 $\pm$ 0.000 χ^2 /NDF: 4448773732.9/25

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.330 $\pm$ 0.000 χ^2/NDF : 1283955.7/16

Left Out: 0.367 $\pm$ 0.000 χ^2/NDF : 374529.6/7

Right Out: 0.334 $\pm$ 0.000 χ^2/NDF : 1177889.1/19

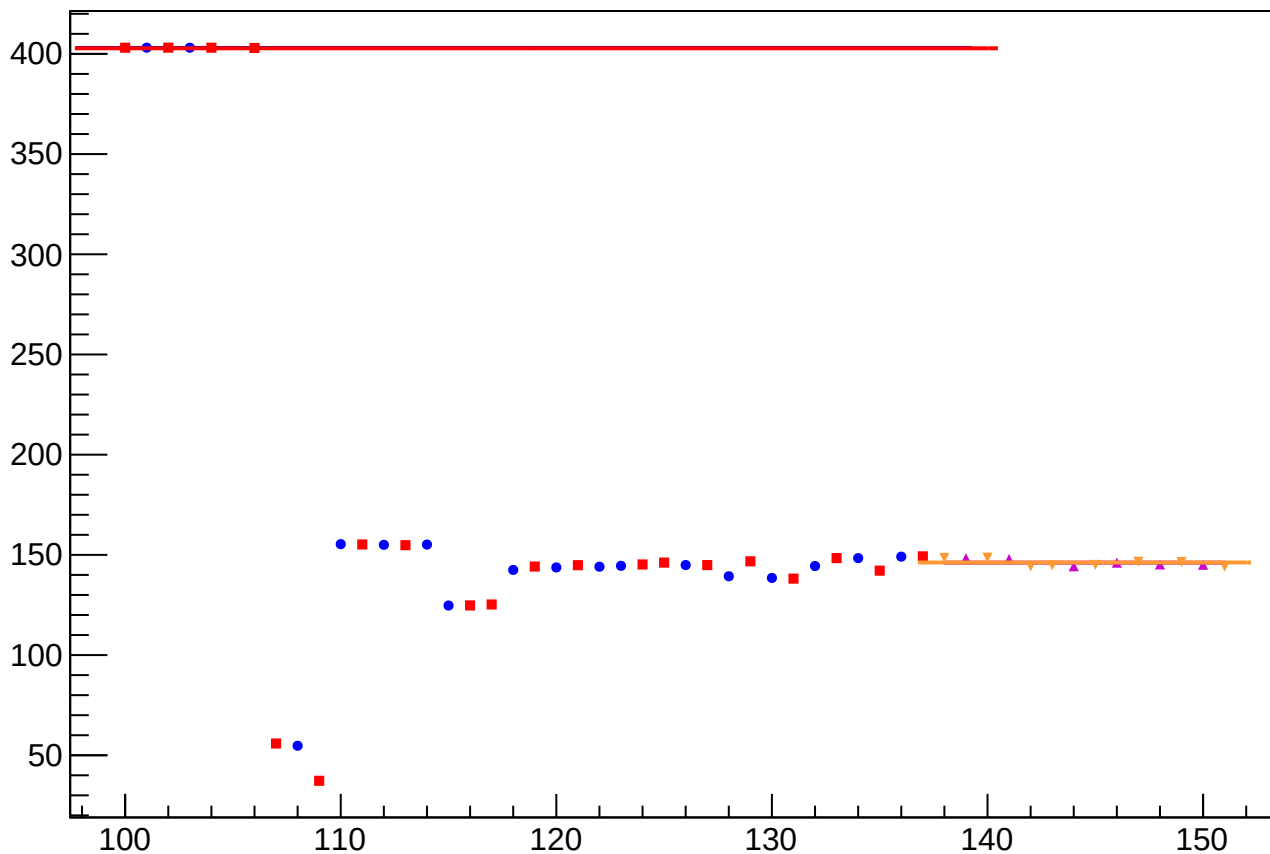
Left In: 0.382 $\pm$ 0.000 χ^2/NDF : 330772.5/5

0.347 $\pm$ 0.000 χ^2/NDF : 1719246.6/24

0.349 $\pm$ 0.000 χ^2/NDF : 3319470.2/50

0.352 $\pm$ 0.000 χ^2/NDF : 1598013.0/25

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.958+/-0.000 χ^2/NDF : 1094364588383.4/16

Left Out: 146.194+/-0.000 χ^2/NDF : 30352883.8/7

Right Out: 402.797+/-0.000 χ^2/NDF : 3120897866993.6/19

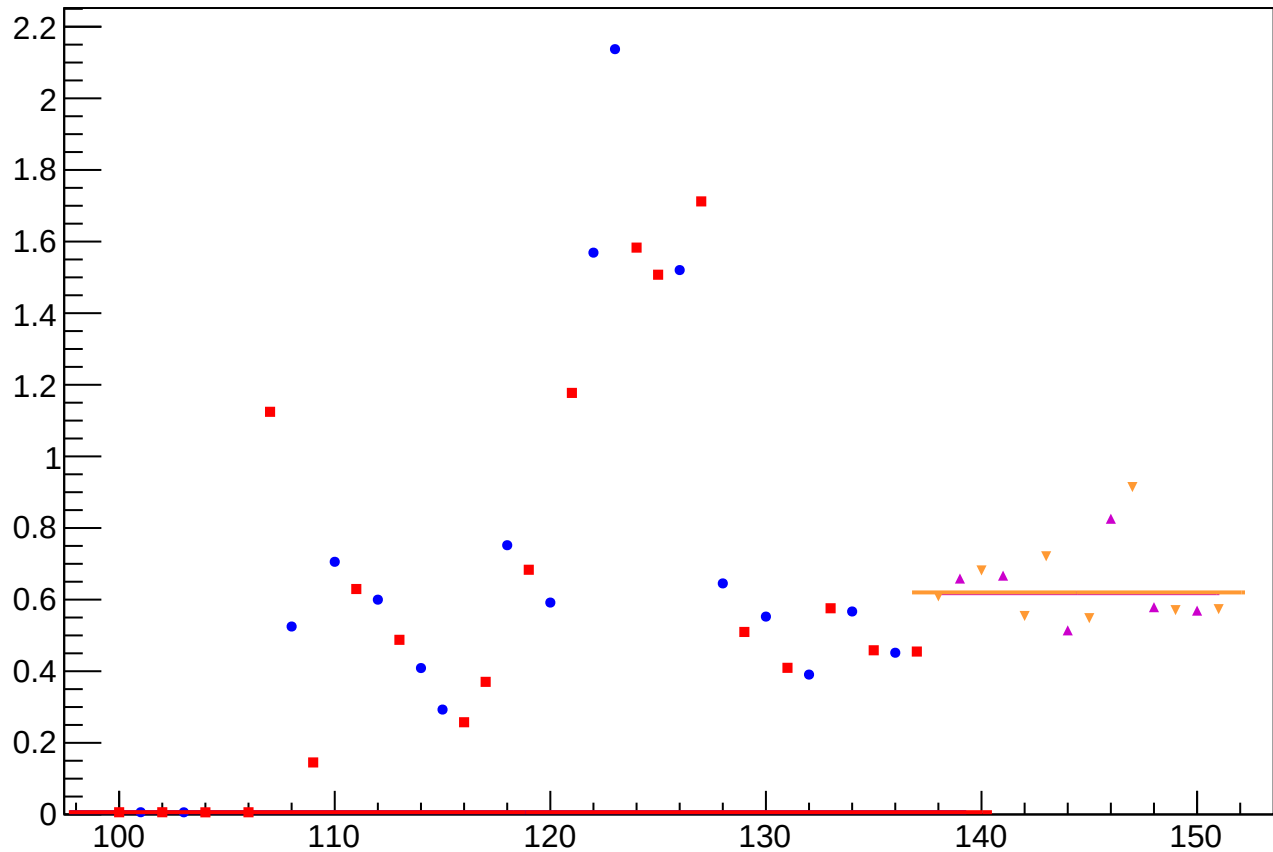
Left In: 146.123+/-0.000 χ^2/NDF : 19945827.9/5

402.877+/-0.000 χ^2/NDF : 1741901630083.0/24

402.802+/-0.000 χ^2/NDF : 540847285741

402.737+/-0.000 χ^2/NDF : 3666246828728.1/25

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.620+/-0.000 χ^2/NDF :167353.6/7

Right Out: 0.006+/-0.000 χ^2/NDF : 9258244.0/19

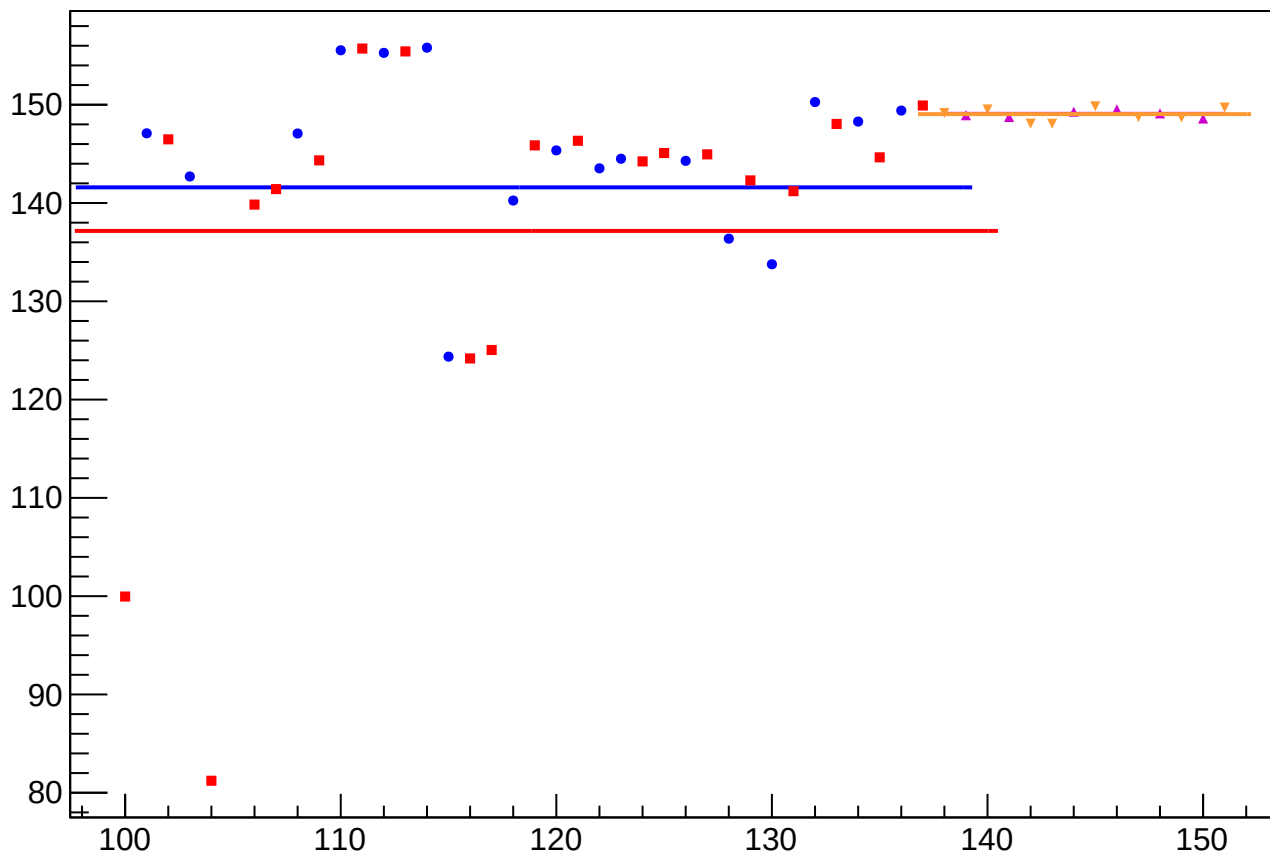
Left In: 0.618+/-0.000 χ^2/NDF :128680.5/5

0.007+/-0.000 χ^2/NDF : 16645919.1/24

0.006+/-0.000 χ^2/NDF : 32227406.9/50

0.006+/-0.000 χ^2/NDF : 15581377.6/25

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.593 $\pm$ 0.000 χ^2 /NDF: 980101868.2/16

Left Out: 149.045 $\pm$ 0.000 χ^2 /NDF: 8208907.3/7

Right Out: 137.162 $\pm$ 0.000 χ^2 /NDF: 1366089515.6/19

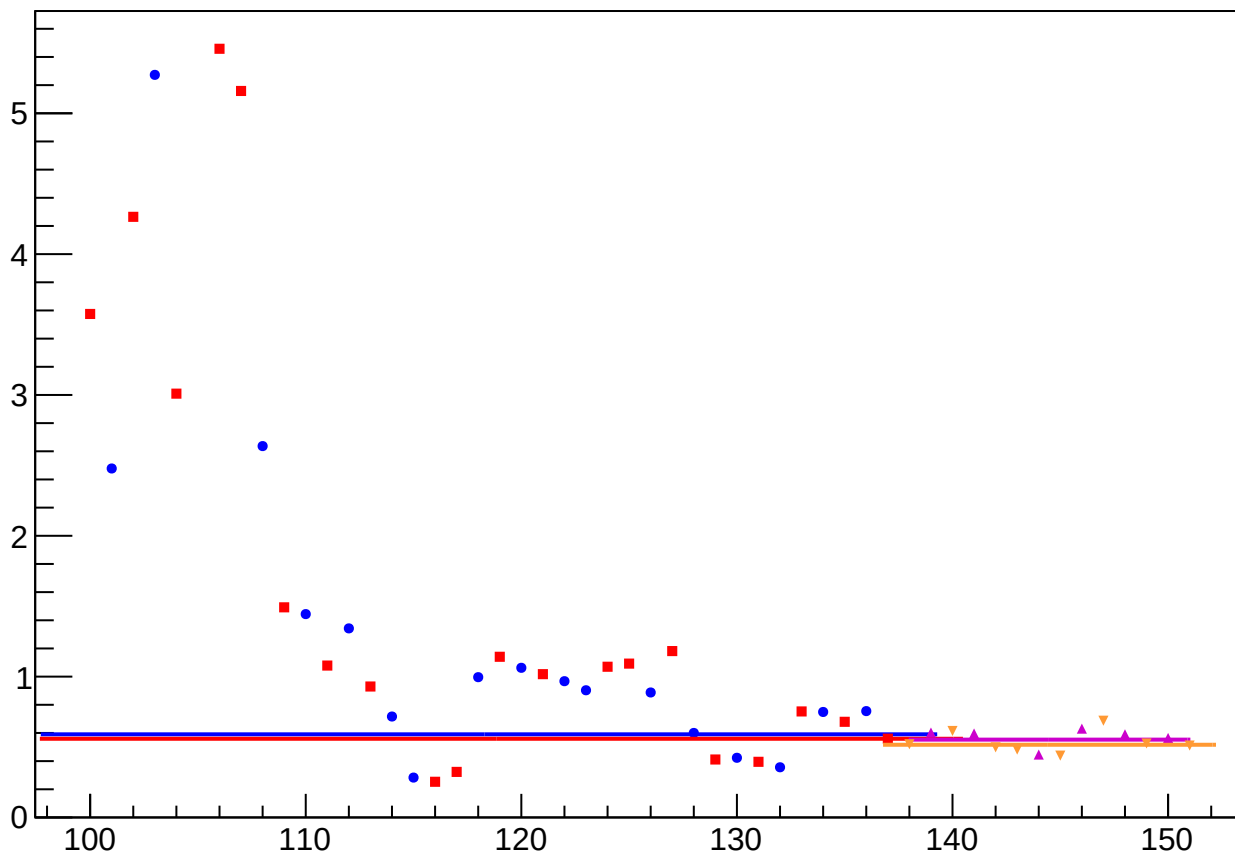
Left In: 149.072 $\pm$ 0.000 χ^2 /NDF: 1364912.1/5

146.300 $\pm$ 0.000 χ^2 /NDF: 1342358098.1/24

145.048 $\pm$ 0.000 χ^2 /NDF: 3643317212.5/25

143.612 $\pm$ 0.000 χ^2 /NDF: 2208725667.3/25

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.590+/-0.000 χ^2/NDF : 3491995.1/16

Left Out: 0.516+/-0.000 χ^2/NDF : 162879.3/7

Right Out: 0.559+/-0.000 χ^2/NDF : 4721291.1/19

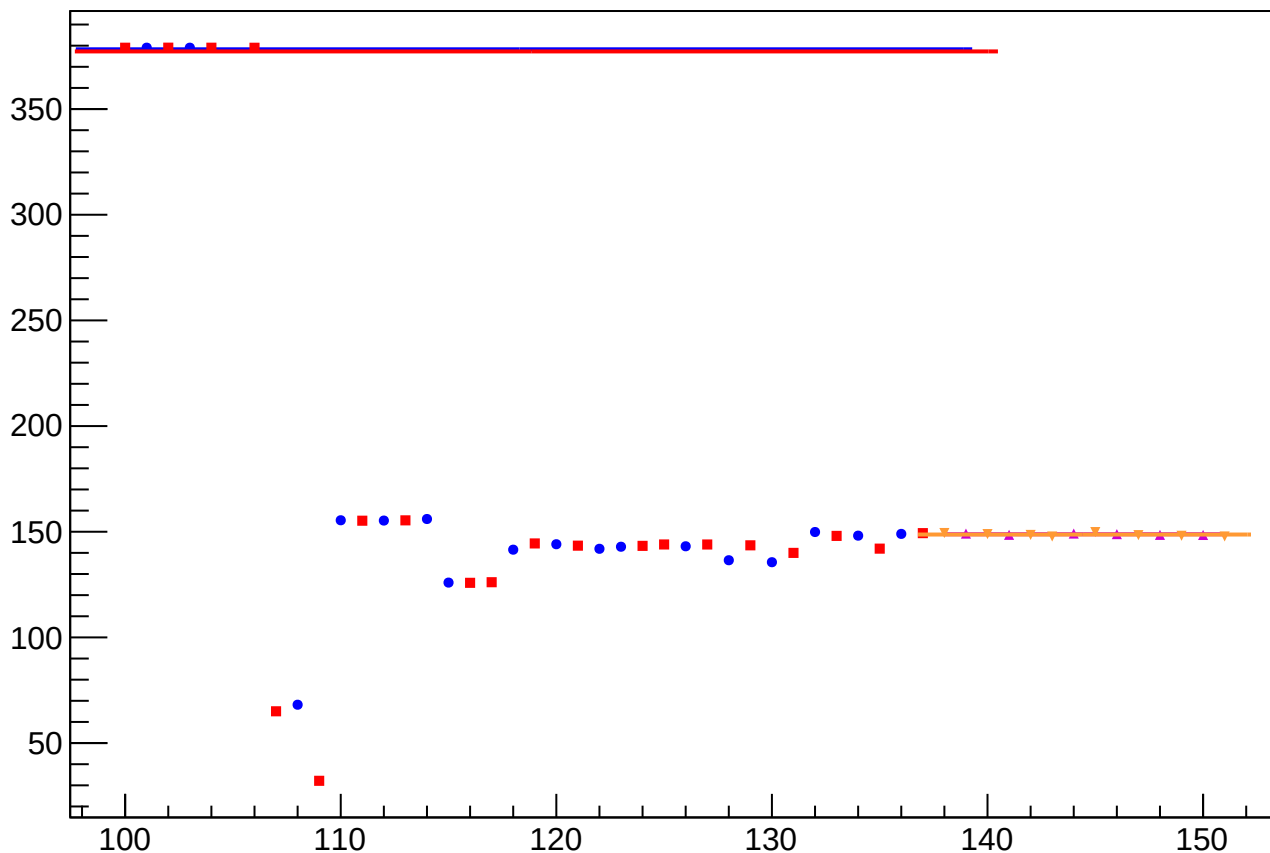
Left In: 0.553+/-0.000 χ^2/NDF : 124717.8/5

0.543+/-0.000 χ^2/NDF : 3724833.3/24

0.549+/-0.000 χ^2/NDF : 8574940.9/50

0.555+/-0.000 χ^2/NDF : 4846454.4/25

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.283+/-0.000 χ^2/NDF : 2508313421453.8/16

Left Out: 148.681+/-0.000 χ^2/NDF : 18957998.9/7

Right Out: 377.280+/-0.000 χ^2/NDF : 8313240281527.9/19

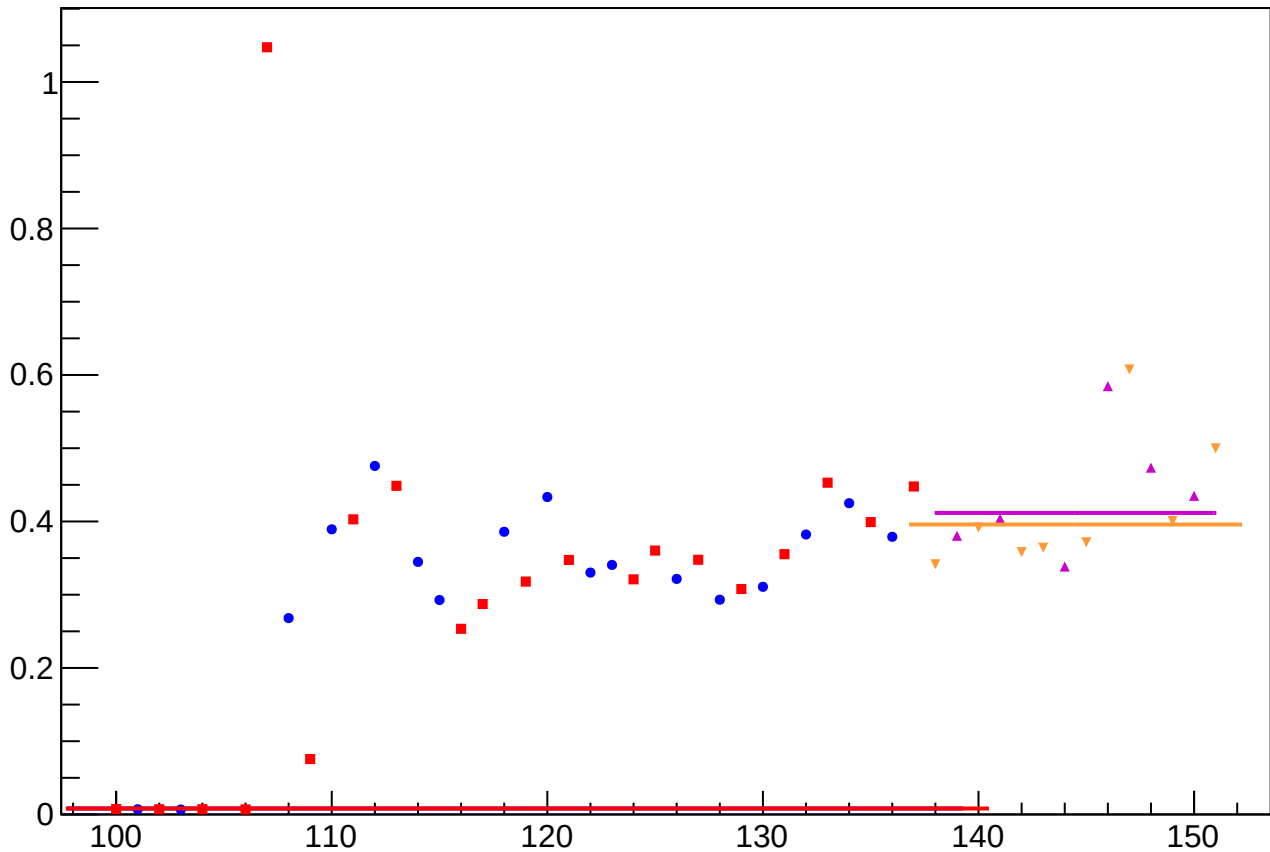
Left In: 148.822+/-0.000 χ^2/NDF : 2415243.5/5

377.691+/-0.000 χ^2/NDF : 4318267871924.6/24

377.253+/-0.000 χ^2/NDF : 140651490885

376.868+/-0.000 χ^2/NDF : 9742070852457.0/25

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2/NDF : 9806719.4/16

Left Out: 0.396 $\pm$ 0.000 χ^2/NDF : 305173.7/7

Right Out: 0.008 $\pm$ 0.000 χ^2/NDF : 9589375.6/19

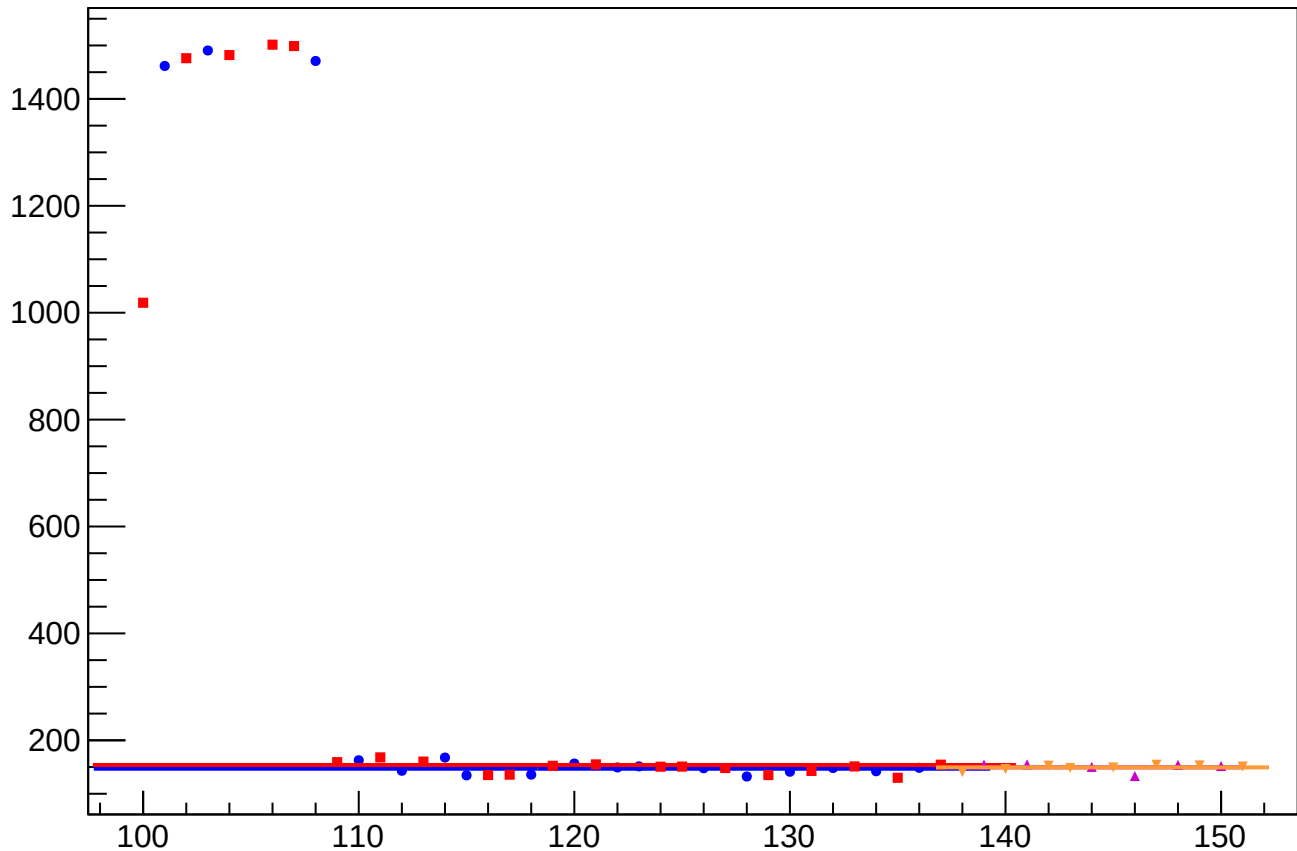
Left In: 0.412 $\pm$ 0.000 χ^2/NDF : 259857.9/5

0.009 $\pm$ 0.000 χ^2/NDF : 20435353.5/24

0.009 $\pm$ 0.000 χ^2/NDF : 39200412.9/50

0.009 $\pm$ 0.000 χ^2/NDF : 18764245.5/25

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.819+/-0.000 χ^2/NDF : 24360774977.7/16

Left Out: 149.339+/-0.000 χ^2/NDF : 98417667.5/7

Right Out: 153.832+/-0.000 χ^2/NDF : 33744235949.2/19

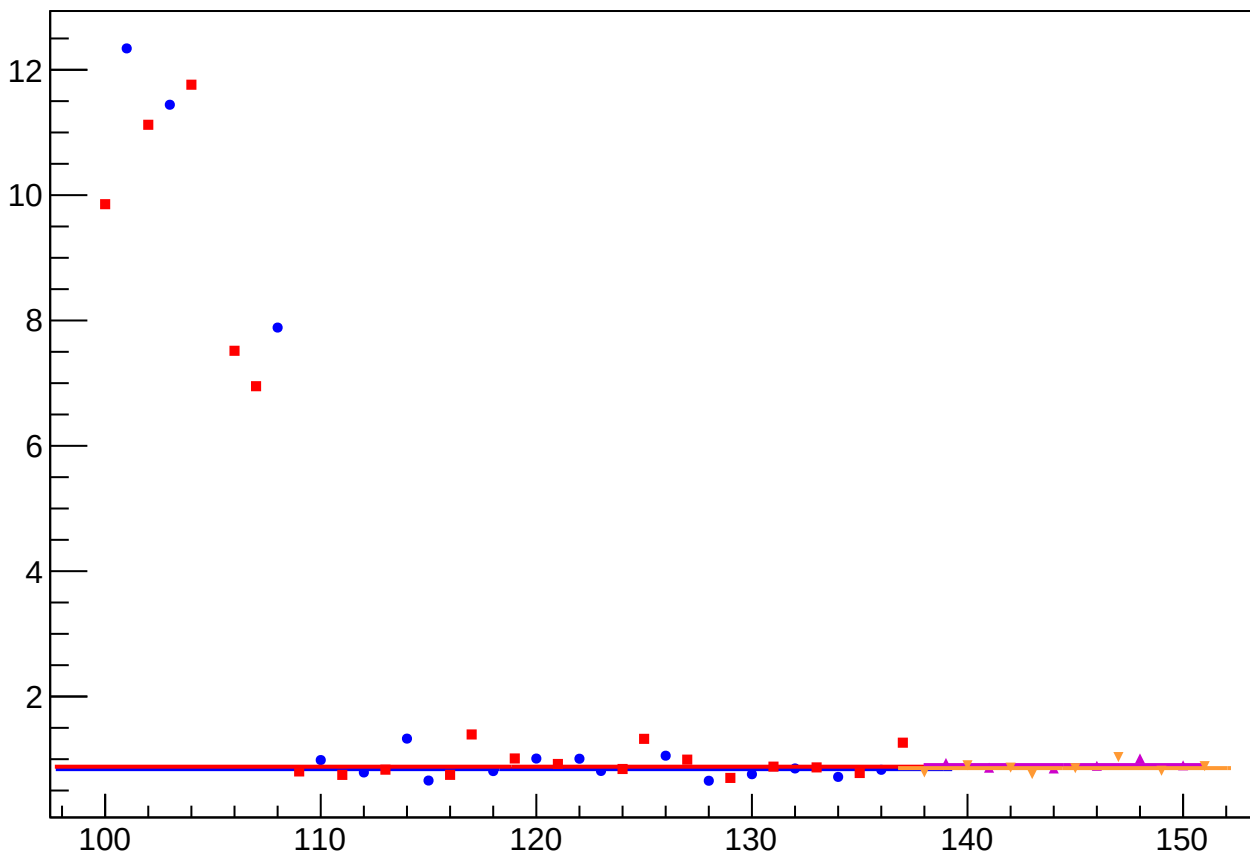
Left In: 149.417+/-0.000 χ^2/NDF : 291057376.5/5

148.144+/-0.000 χ^2/NDF : 24476966842.9/24

149.846+/-0.000 χ^2/NDF : 58629988190.8

151.738+/-0.000 χ^2/NDF : 34084369572.1/25

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.841 ± 0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.858 ± 0.000 χ^2/NDF : 69458.1/7

Right Out: 0.880 ± 0.000 χ^2/NDF : 2825356.7/19

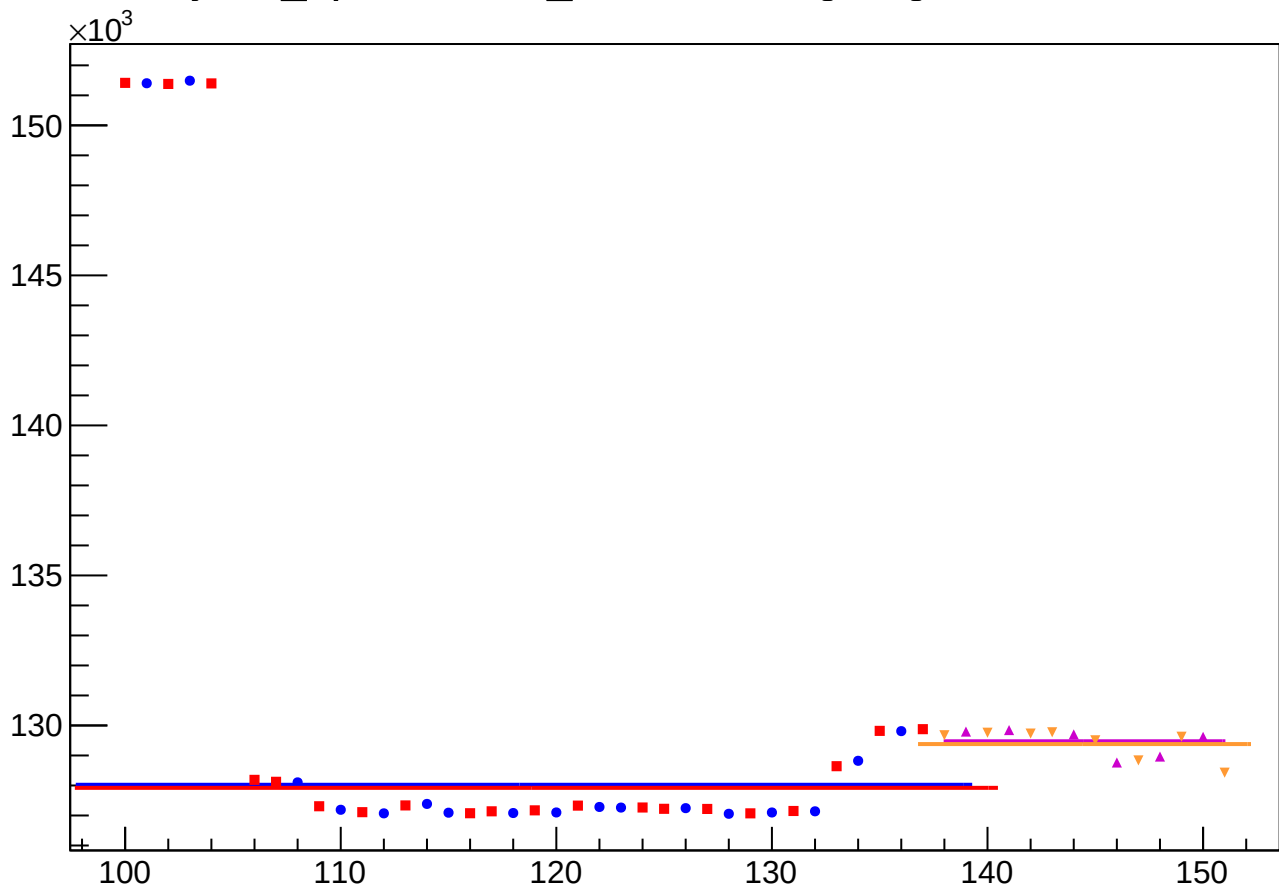
Left In: 0.906 ± 0.000 χ^2/NDF : 25667.1/5

0.850 ± 0.000 χ^2/NDF : 2733355.8/24

0.870 ± 0.000 χ^2/NDF : 5607024.2/50

0.892 ± 0.000 χ^2/NDF : 2854337.5/25

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16

Left Out: 129380.139 $\pm$ 0.071 χ^2 /NDF: 49540162.7/7

Right Out: 127921.299 $\pm$ 0.050 χ^2 /NDF: 3768965324.4/19

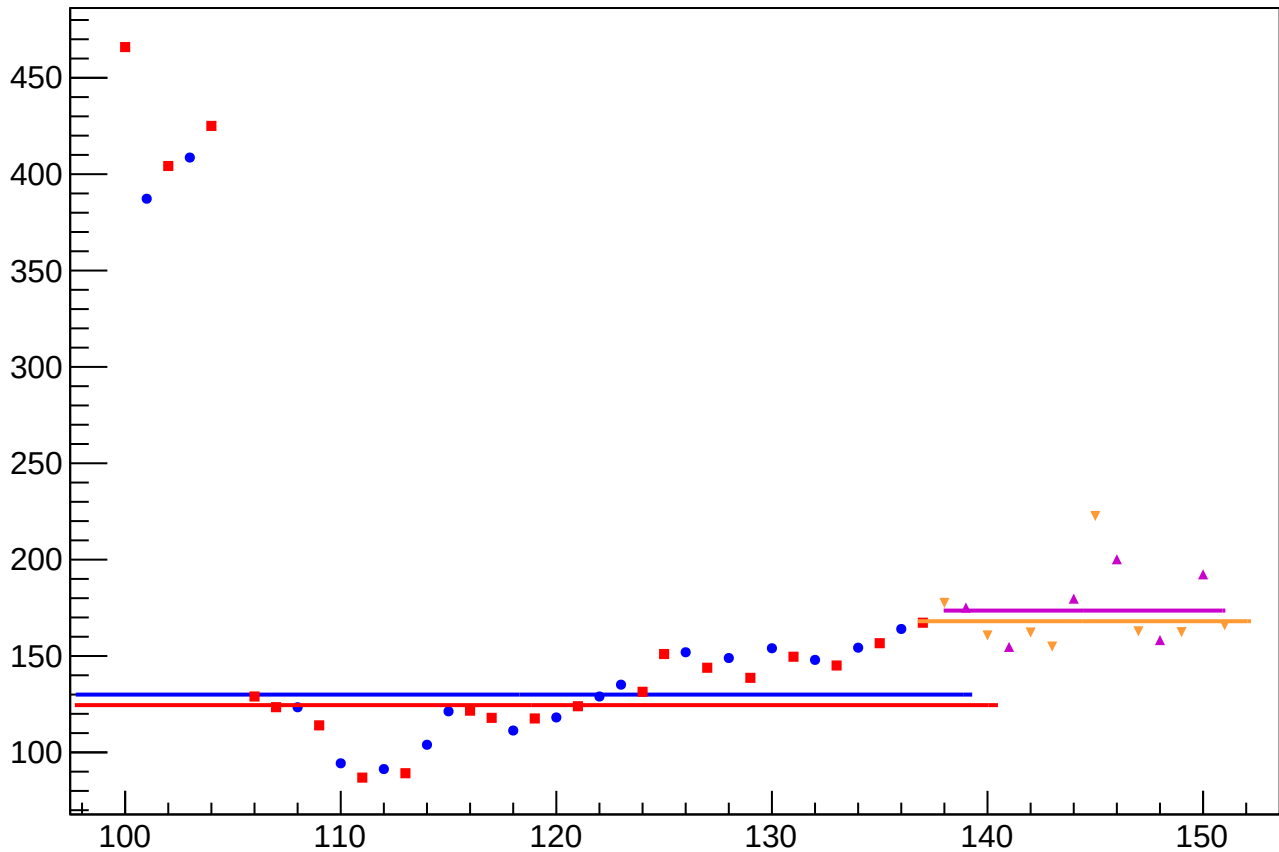
Left In: 129473.216 $\pm$ 0.079 χ^2 /NDF: 27281979.3/5

128529.454 $\pm$ 0.043 χ^2 /NDF: 4596829503.6/24

128446.086 $\pm$ 0.030 χ^2 /NDF: 867438906

128365.787 $\pm$ 0.042 χ^2 /NDF: 4070244059.6/25

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.980+/-0.039 χ^2/NDF : 1485519.5/16

Left Out: 168.053+/-0.050 χ^2/NDF :113768.5/7

Right Out: 124.514+/-0.035 χ^2/NDF : 1531546.7/19

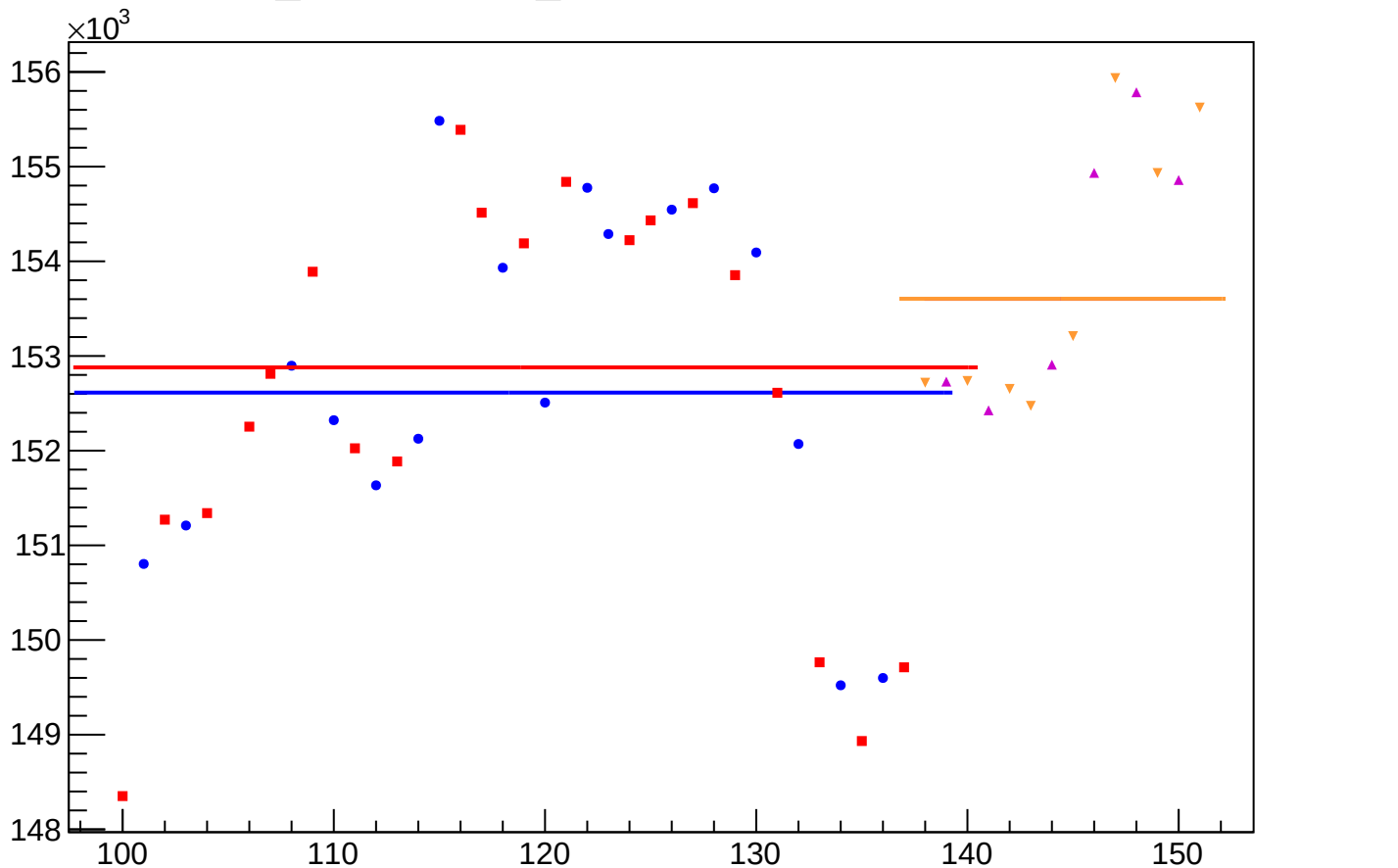
Left In: 173.571+/-0.056 χ^2/NDF :86025.0/5

144.179+/-0.031 χ^2/NDF : 1962787.8/24

141.319+/-0.021 χ^2/NDF : 4145134.0/50

138.565+/-0.030 χ^2/NDF : 2165131.7/25

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152613.122 $\pm$ 0.072 χ^2 /NDF: 623356098.4/16

Left Out: 153604.636 $\pm$ 0.080 χ^2 /NDF: 260821895.7/7

Right Out: 152879.455 $\pm$ 0.066 χ^2 /NDF: 717907168.5/19

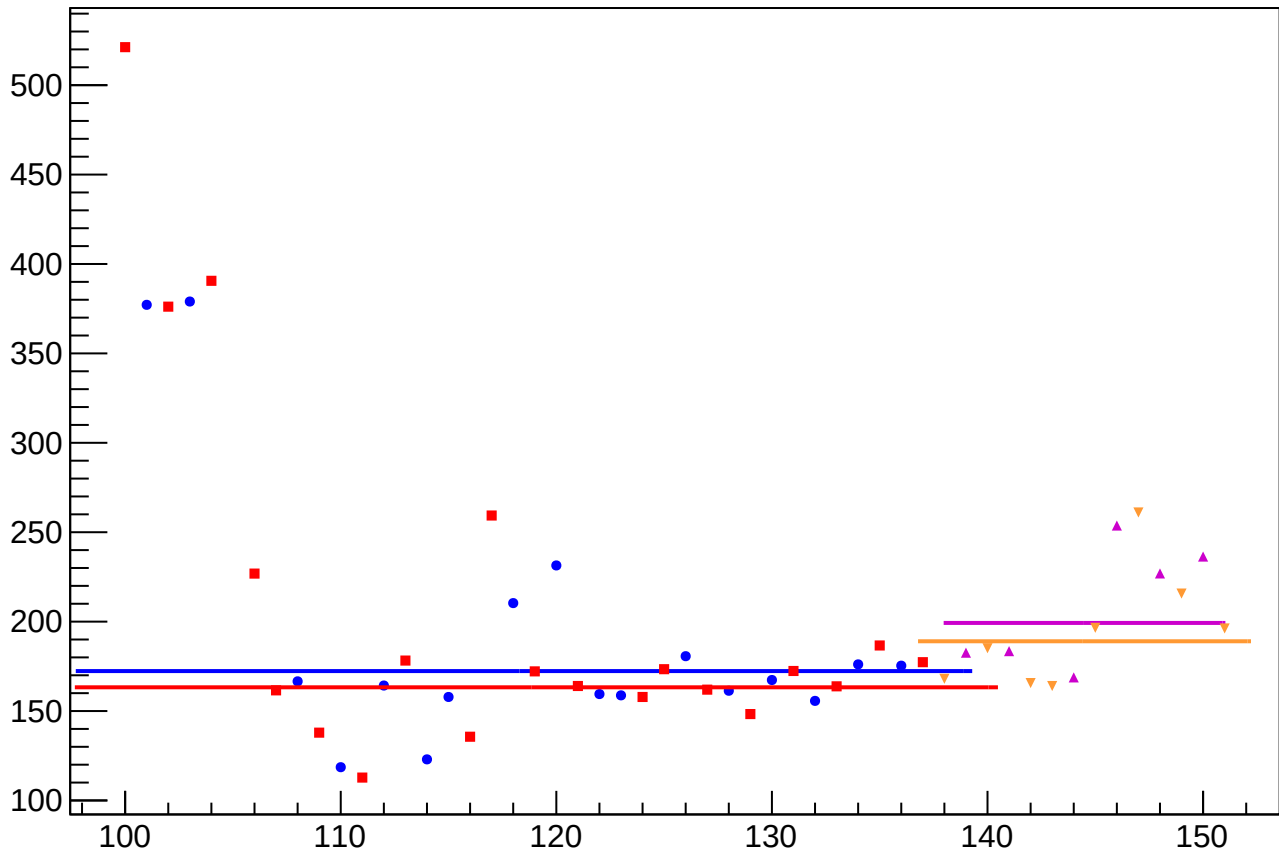
Left In: 153603.522 $\pm$ 0.092 χ^2 /NDF: 183370391.0/5

153057.341 $\pm$ 0.054 χ^2 /NDF: 968516142.1/24

153092.145 $\pm$ 0.038 χ^2 /NDF: 191162151

153126.885 $\pm$ 0.054 χ^2 /NDF: 942265716.9/25

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.351+/-0.051 χ^2/NDF : 921911.1/16

Left Out: 189.016+/-0.057 χ^2/NDF : 216777.3/7

Right Out: 163.273+/-0.047 χ^2/NDF : 1043440.1/19

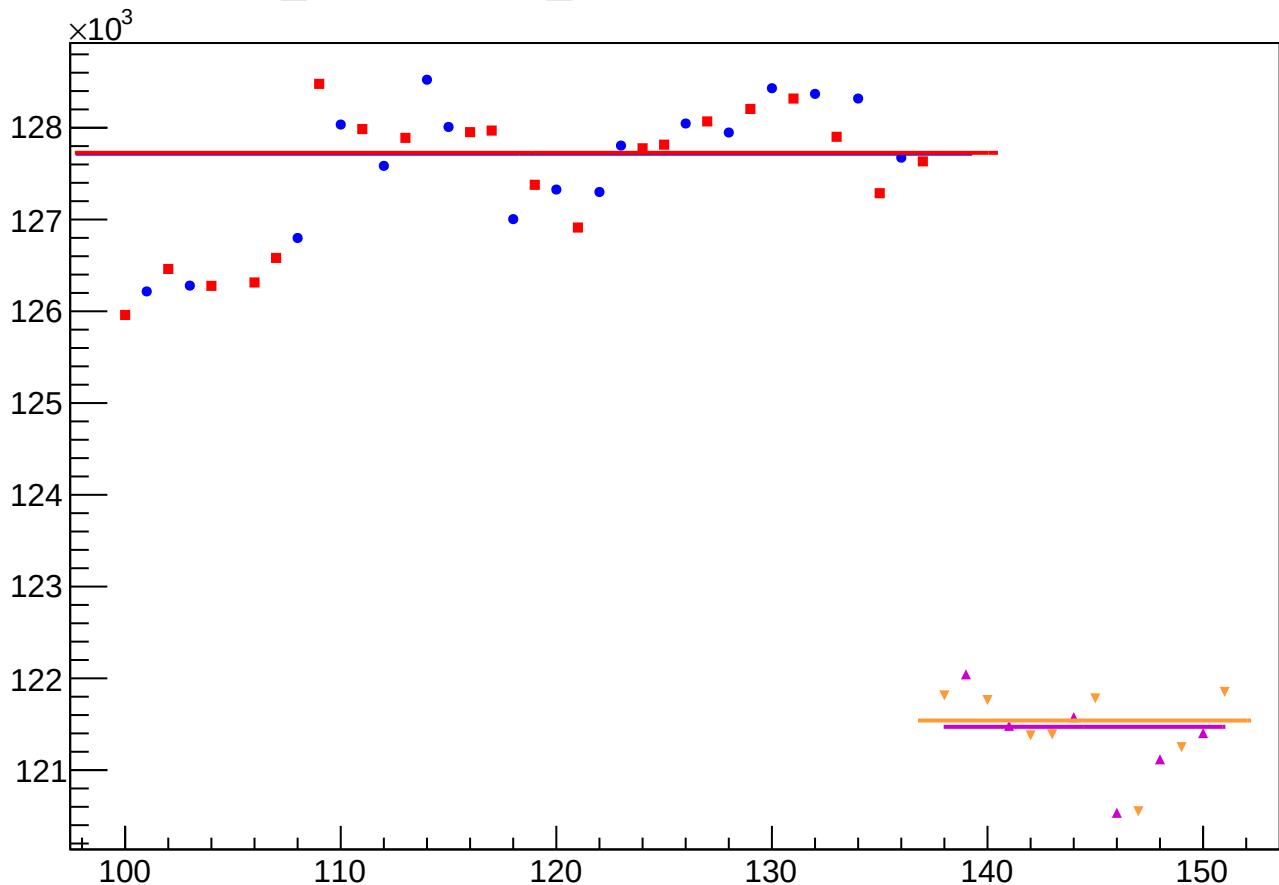
Left In: 199.275+/-0.065 χ^2/NDF : 217318.5/5

179.817+/-0.038 χ^2/NDF : 1186338.7/24

177.695+/-0.027 χ^2/NDF : 2656013.5/50

175.576+/-0.038 χ^2/NDF : 1463427.7/25

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127717.888 $\pm$ 0.058 χ^2 /NDF: 95177660.2/16

Left Out: 121540.468 $\pm$ 0.069 χ^2 /NDF: 22601853.9/7

Right Out: 127726.969 $\pm$ 0.054 χ^2 /NDF: 112752557.5/19

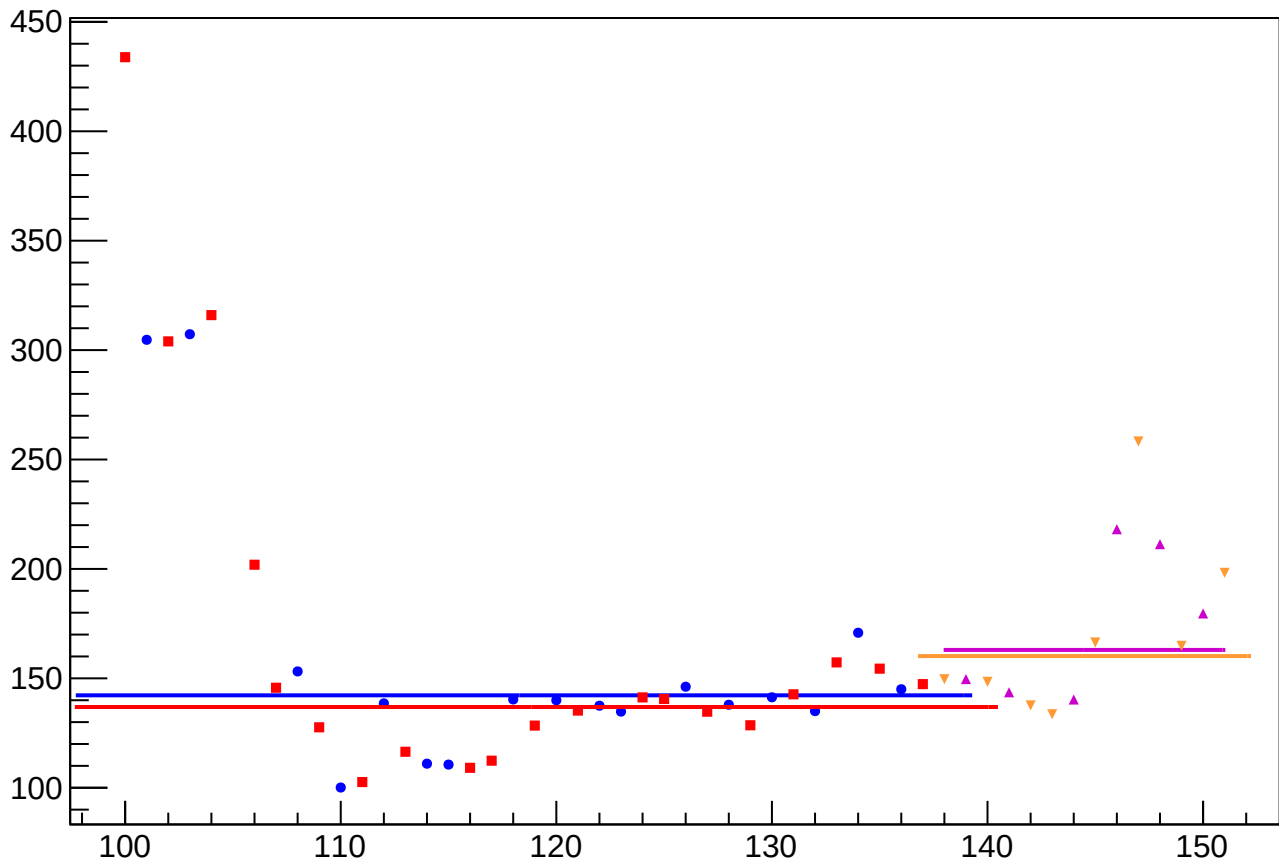
Left In: 121471.637 $\pm$ 0.076 χ^2 /NDF: 27491575.7/5

125146.679 $\pm$ 0.045 χ^2 /NDF: 4793383761.3/24

125378.602 $\pm$ 0.031 χ^2 /NDF: 949541516.3/24

125606.079 $\pm$ 0.044 χ^2 /NDF: 4648305484.1/25

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 142.240 $\pm$ 0.041 χ^2 /NDF: 836415.1/16

Left Out: 160.169 $\pm$ 0.049 χ^2 /NDF: 372063.9/7

Right Out: 136.904 $\pm$ 0.038 χ^2 /NDF: 961858.5/19

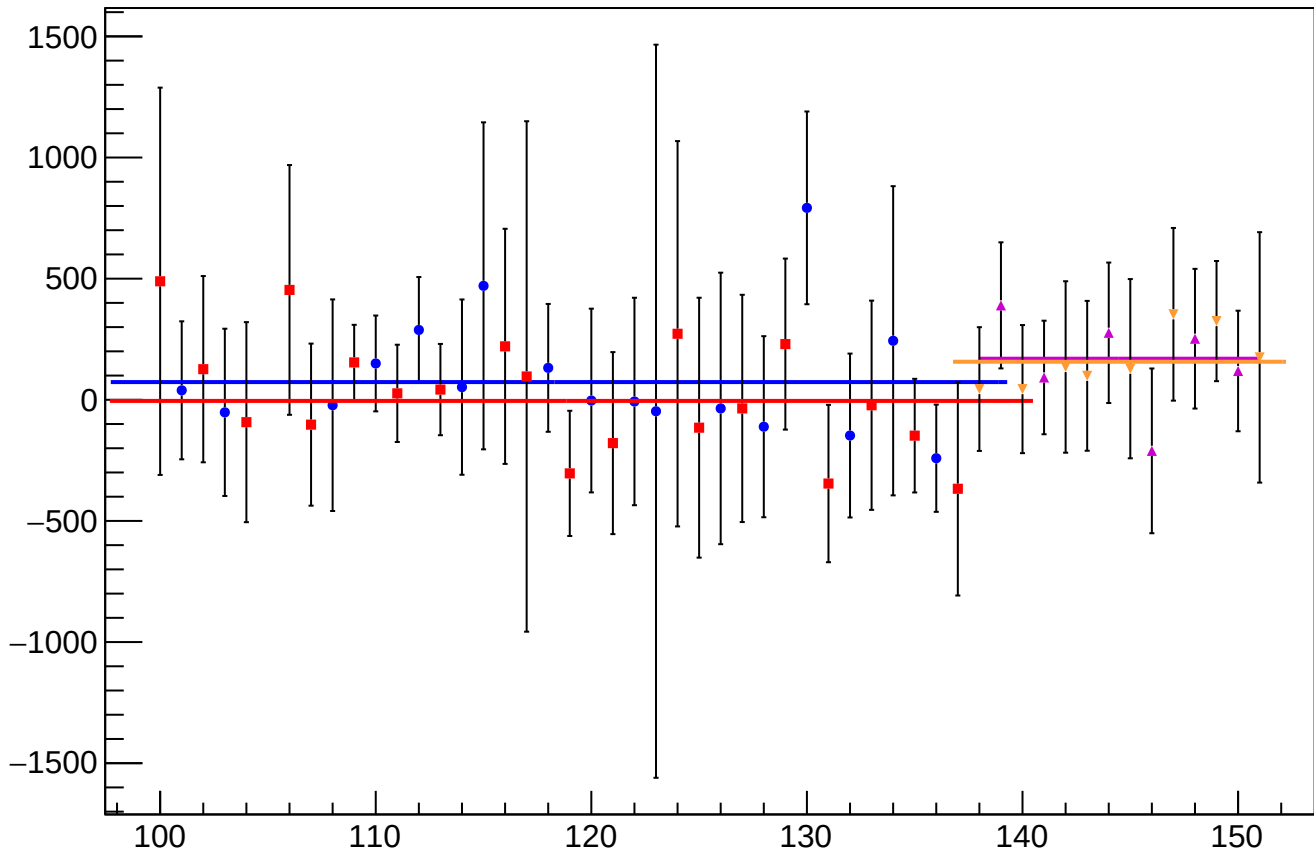
Left In: 162.987 $\pm$ 0.054 χ^2 /NDF: 279823.0/5

149.703 $\pm$ 0.031 χ^2 /NDF: 1287247.9/24

147.706 $\pm$ 0.022 χ^2 /NDF: 2693657.7/50

145.747 $\pm$ 0.031 χ^2 /NDF: 1398443.9/25

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 73.109+/-79.604 χ^2/NDF : 7.9/16

Left Out: 157.078+/-109.594 χ^2/NDF : 1.2/7

Right Out: -4.574+/-69.944 χ^2/NDF : 7.1/19

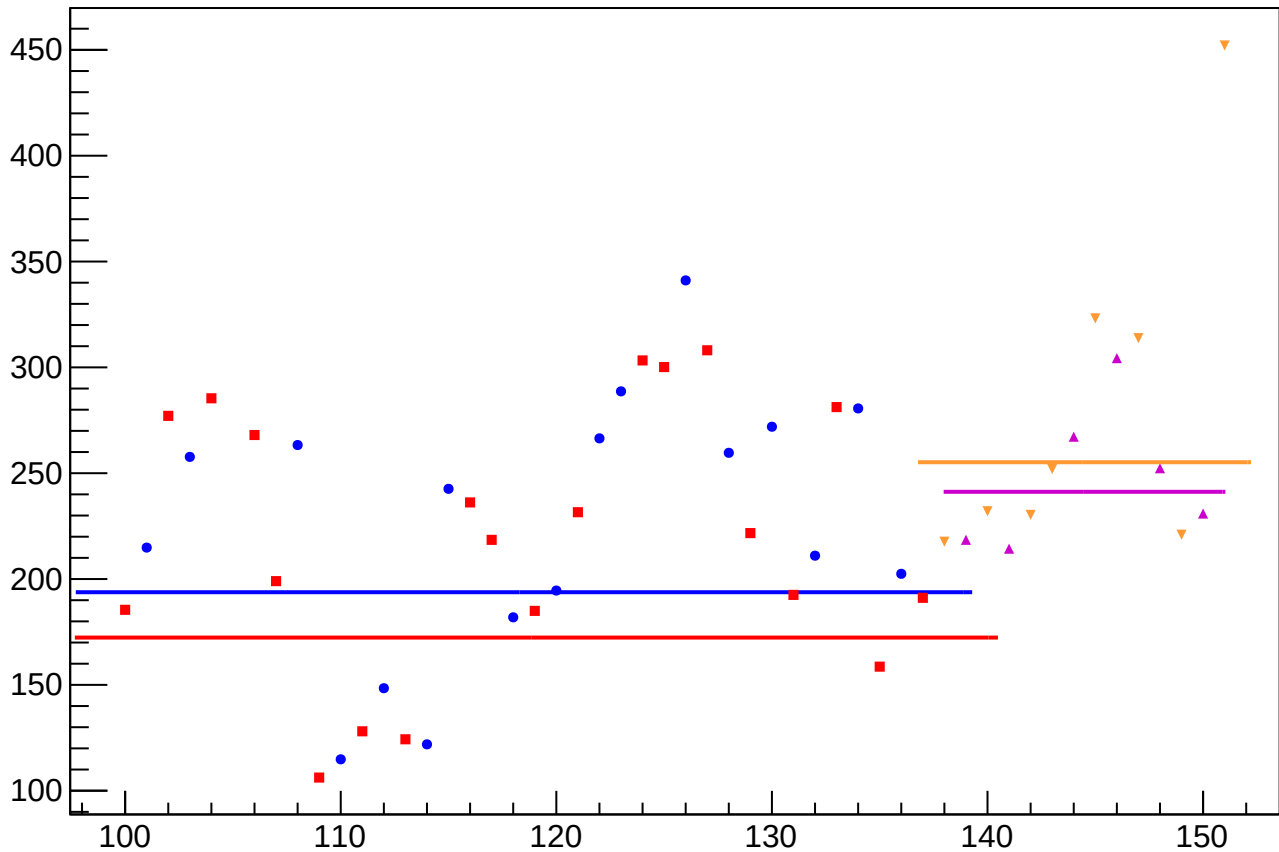
Left In: 169.588+/-110.630 χ^2/NDF : 2.3/5

102.110+/-64.407 χ^2/NDF : 9.4/24

71.202+/-43.553 χ^2/NDF : 21.1/50

45.161+/-59.119 χ^2/NDF : 11.2/25

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.773 +/- 0.056 χ^2/NDF : 1017081.7/16

Left Out: 255.186 +/- 0.077 χ^2/NDF : 518640.7/7

Right Out: 172.346 +/- 0.049 χ^2/NDF : 1583893.0/19

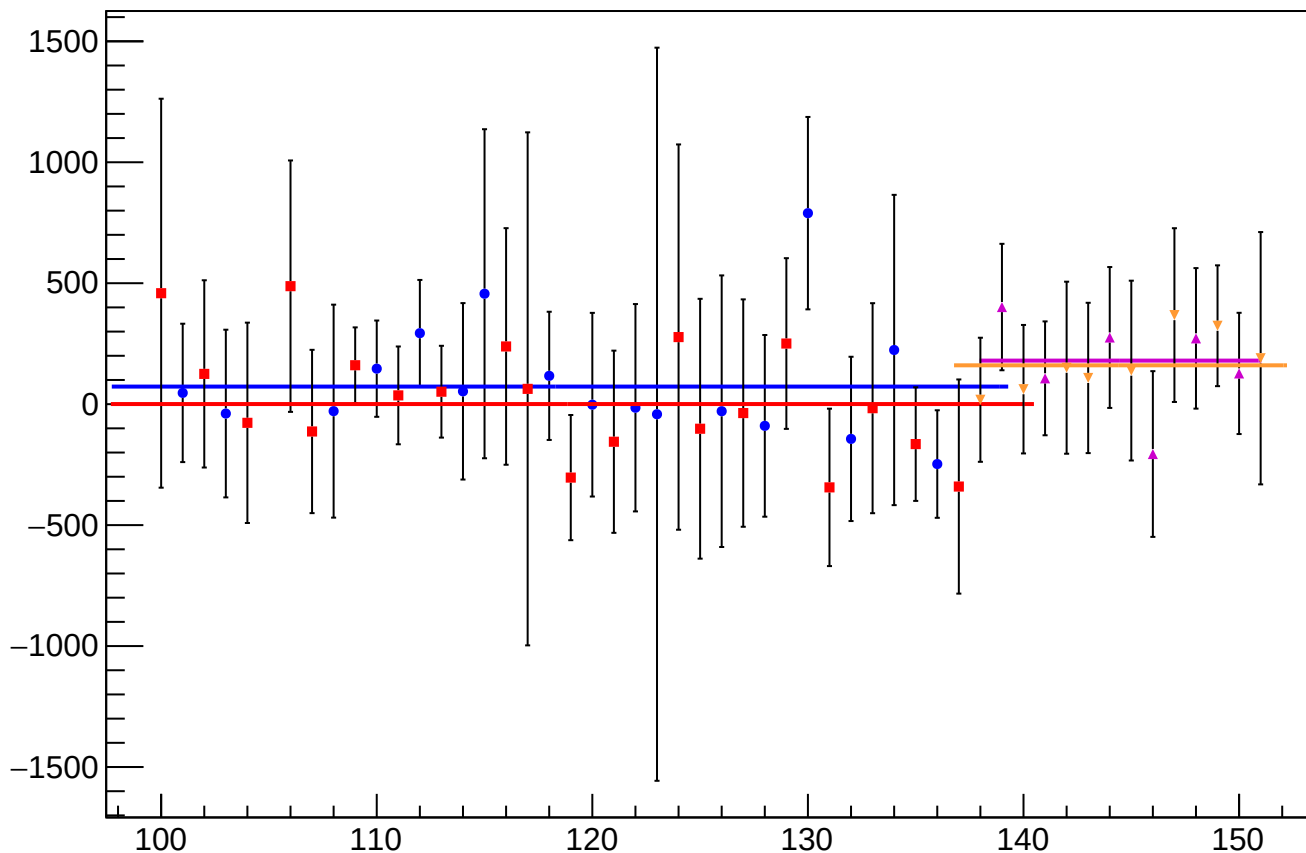
Left In: 241.213 +/- 0.078 χ^2/NDF : 132958.4/5

214.983 +/- 0.046 χ^2/NDF : 1946843.6/24

202.516 +/- 0.031 χ^2/NDF : 4355450.0/50

192.013 +/- 0.042 χ^2/NDF : 2270543.5/25

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 72.675 ± 79.992 χ^2/NDF : 7.8/16

Left Out: 160.565 ± 110.196 χ^2/NDF : 1.2/7

Right Out: 0.459 ± 70.312 χ^2/NDF : 7.3/19

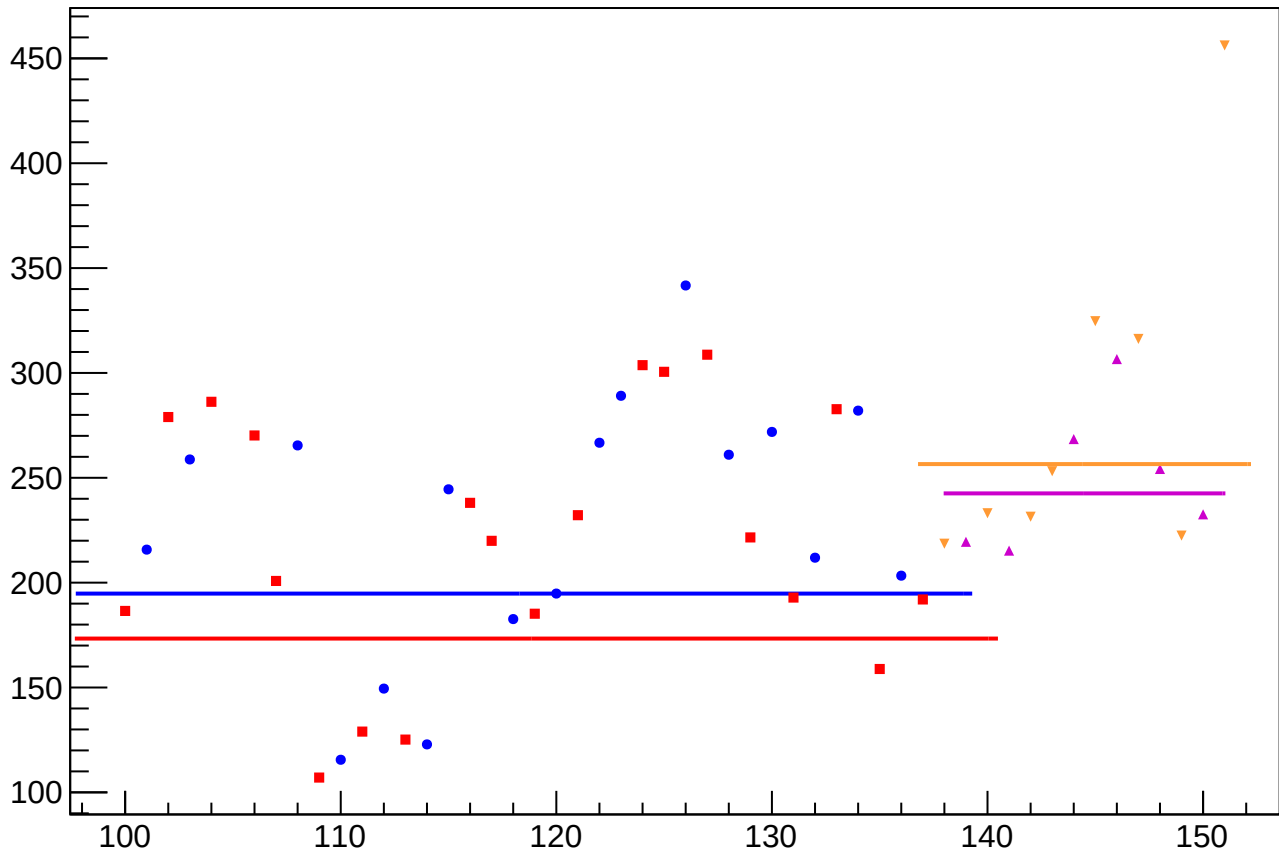
Left In: 180.076 ± 111.261 χ^2/NDF : 2.3/5

103.005 ± 64.734 χ^2/NDF : 9.4/24

75.179 ± 43.782 χ^2/NDF : 21.2/50

51.719 ± 59.438 χ^2/NDF : 11.5/25

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.782 +/- 0.057 χ^2/NDF : 1008292.8/16

Left Out: 256.538 +/- 0.078 χ^2/NDF : 522350.7/7

Right Out: 173.337 +/- 0.050 χ^2/NDF : 1571436.7/19

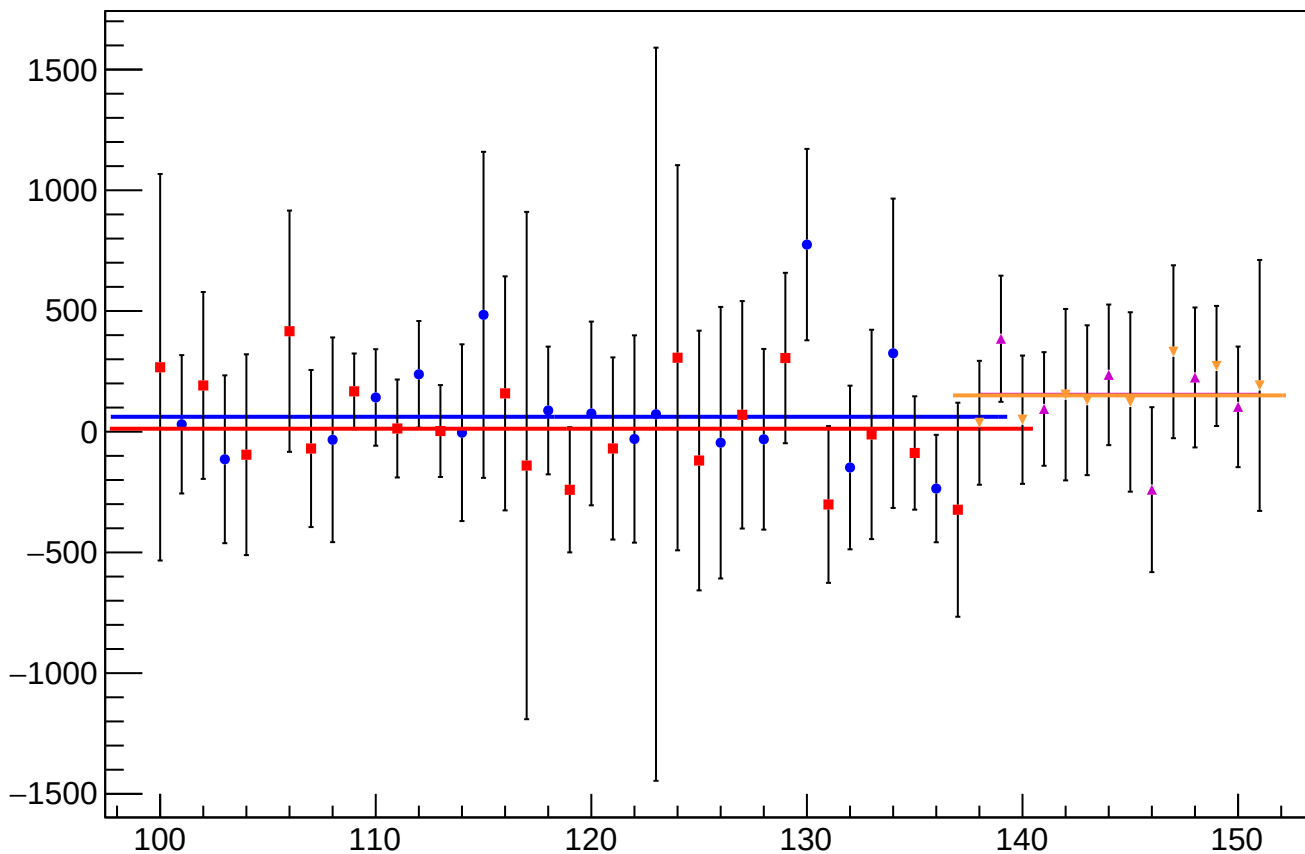
Left In: 242.563 +/- 0.079 χ^2/NDF : 134638.4/5

216.094 +/- 0.046 χ^2/NDF : 1942015.1/24

203.614 +/- 0.031 χ^2/NDF : 4338365.6/50

193.093 +/- 0.042 χ^2/NDF : 2259359.0/25

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 61.814 $\pm$ 79.986 χ^2 /NDF: 7.3/16

Left Out: 150.488 $\pm$ 110.051 χ^2 /NDF: 0.9/7

Right Out: 12.417 $\pm$ 70.233 χ^2 /NDF: 5.8/19

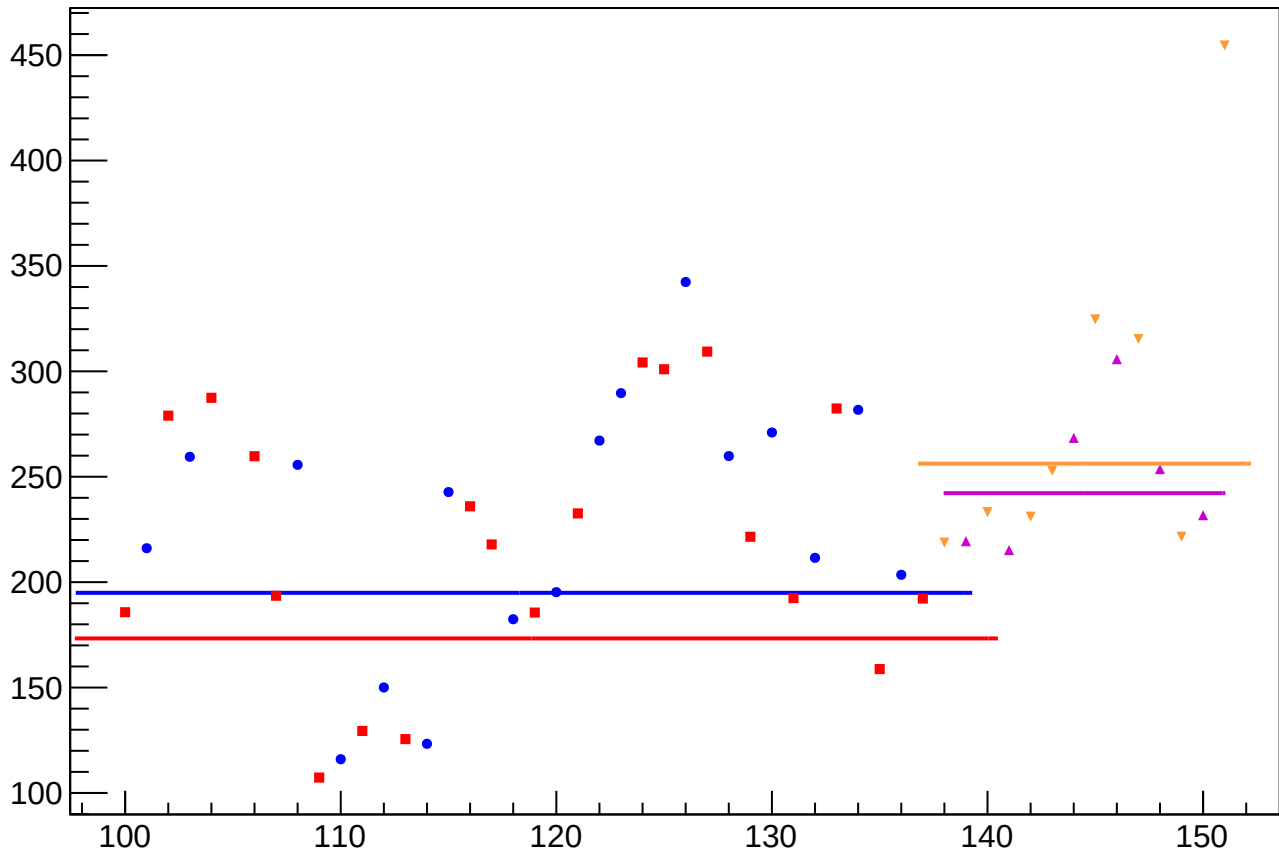
Left In: 152.998 $\pm$ 111.097 χ^2 /NDF: 2.4/5

92.465 $\pm$ 64.702 χ^2 /NDF: 8.5/24

70.798 $\pm$ 43.743 χ^2 /NDF: 18.0/50

52.557 $\pm$ 59.365 χ^2 /NDF: 9.3/25

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.939 $\pm$ 0.057 χ^2 /NDF: 986629.1/16

Left Out: 256.227 $\pm$ 0.078 χ^2 /NDF: 520529.8/7

Right Out: 173.309 $\pm$ 0.050 χ^2 /NDF: 1548342.3/19

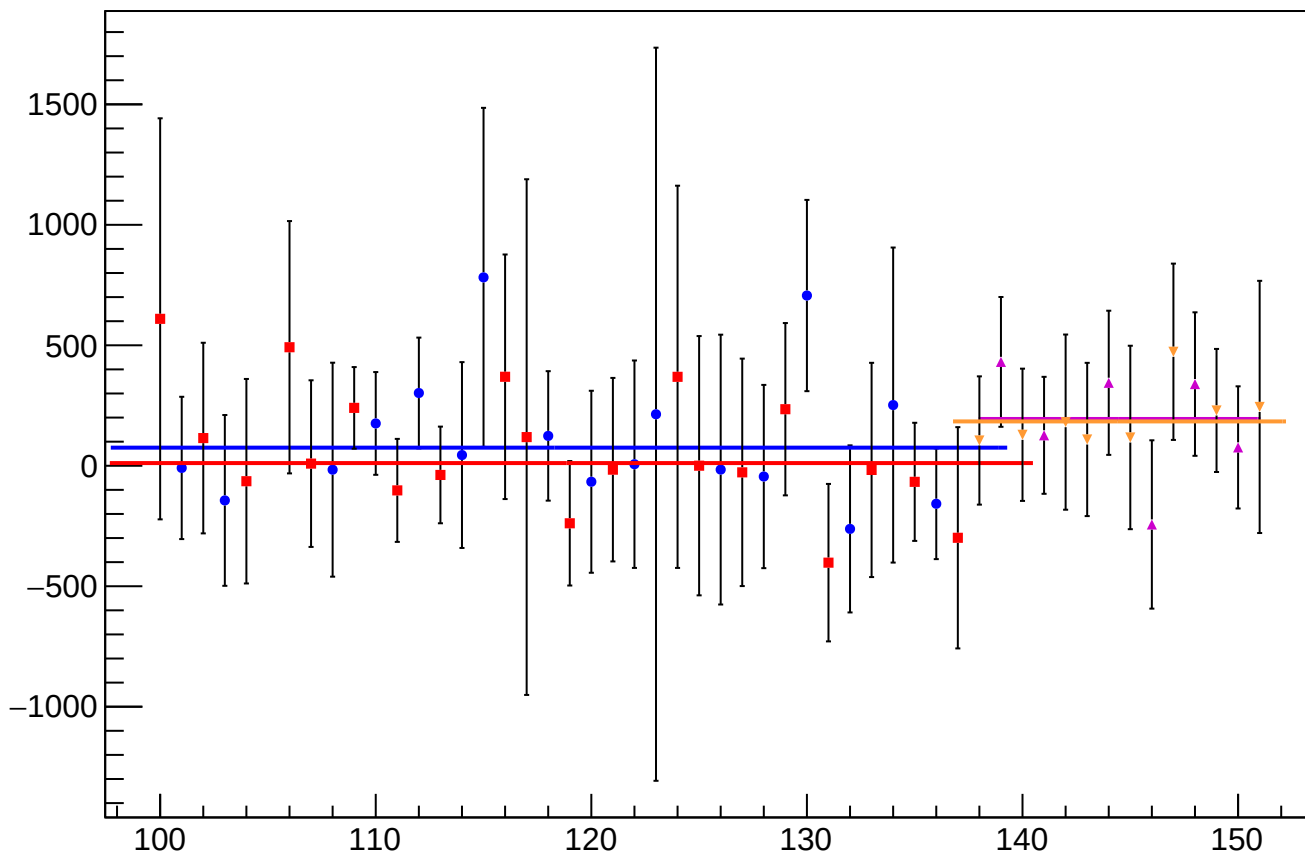
Left In: 242.227 $\pm$ 0.079 χ^2 /NDF: 133598.6/5

216.124 $\pm$ 0.046 χ^2 /NDF: 1913043.3/24

203.562 $\pm$ 0.031 χ^2 /NDF: 4283710.3/50

192.988 $\pm$ 0.042 χ^2 /NDF: 2231825.5/25

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 75.207 $\pm$ 82.504 χ^2 /NDF: 7.6/16

Left Out: 184.074 $\pm$ 113.085 χ^2 /NDF: 0.9/7

Right Out: 11.180 $\pm$ 73.166 χ^2 /NDF: 7.8/19

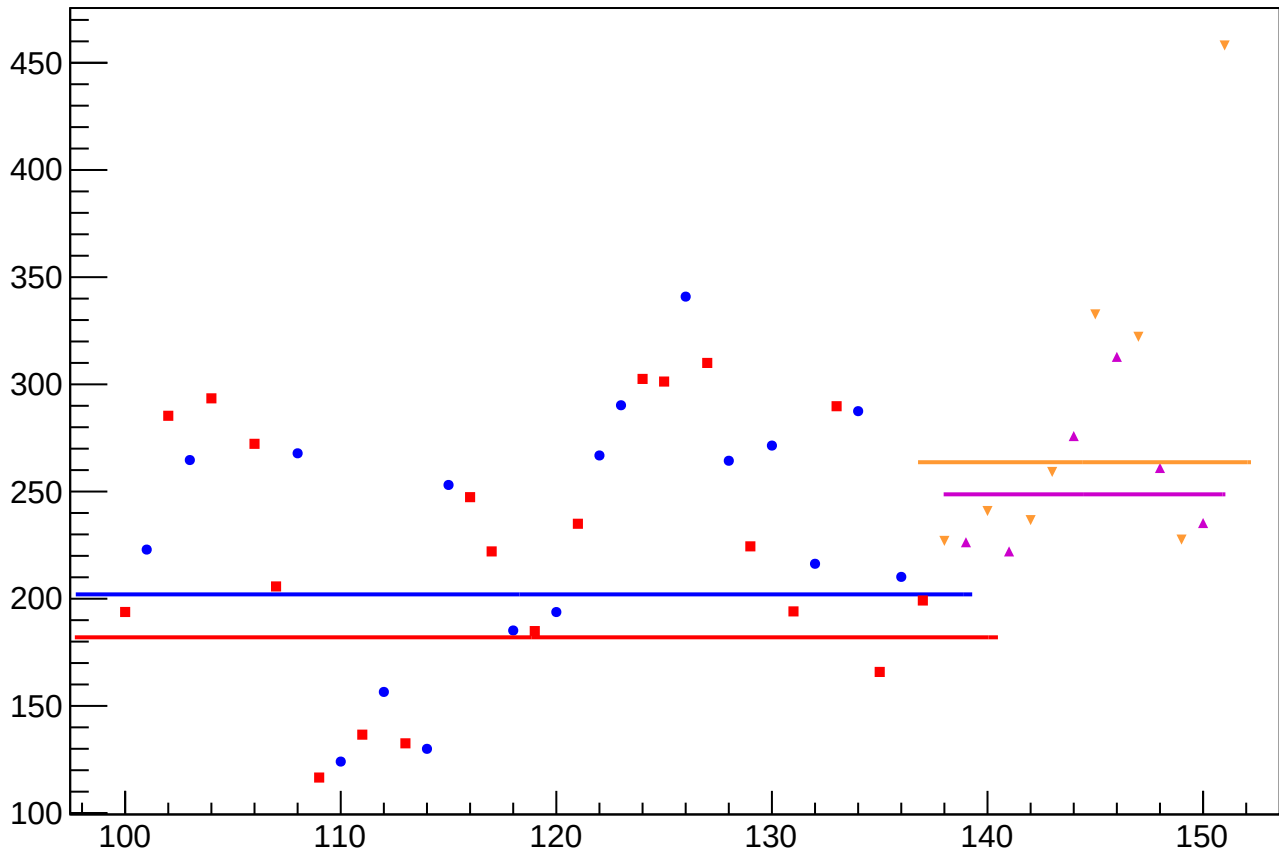
Left In: 194.206 $\pm$ 113.992 χ^2 /NDF: 3.1/5

113.025 $\pm$ 66.651 χ^2 /NDF: 9.1/24

86.888 $\pm$ 45.228 χ^2 /NDF: 22.2/50

64.582 $\pm$ 61.574 χ^2 /NDF: 12.8/25

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.029+/-0.058 χ^2/NDF : 881608.7/16

Left Out: 263.678+/-0.080 χ^2/NDF : 495956.6/7

Right Out: 182.000+/-0.052 χ^2/NDF : 1380354.3/19

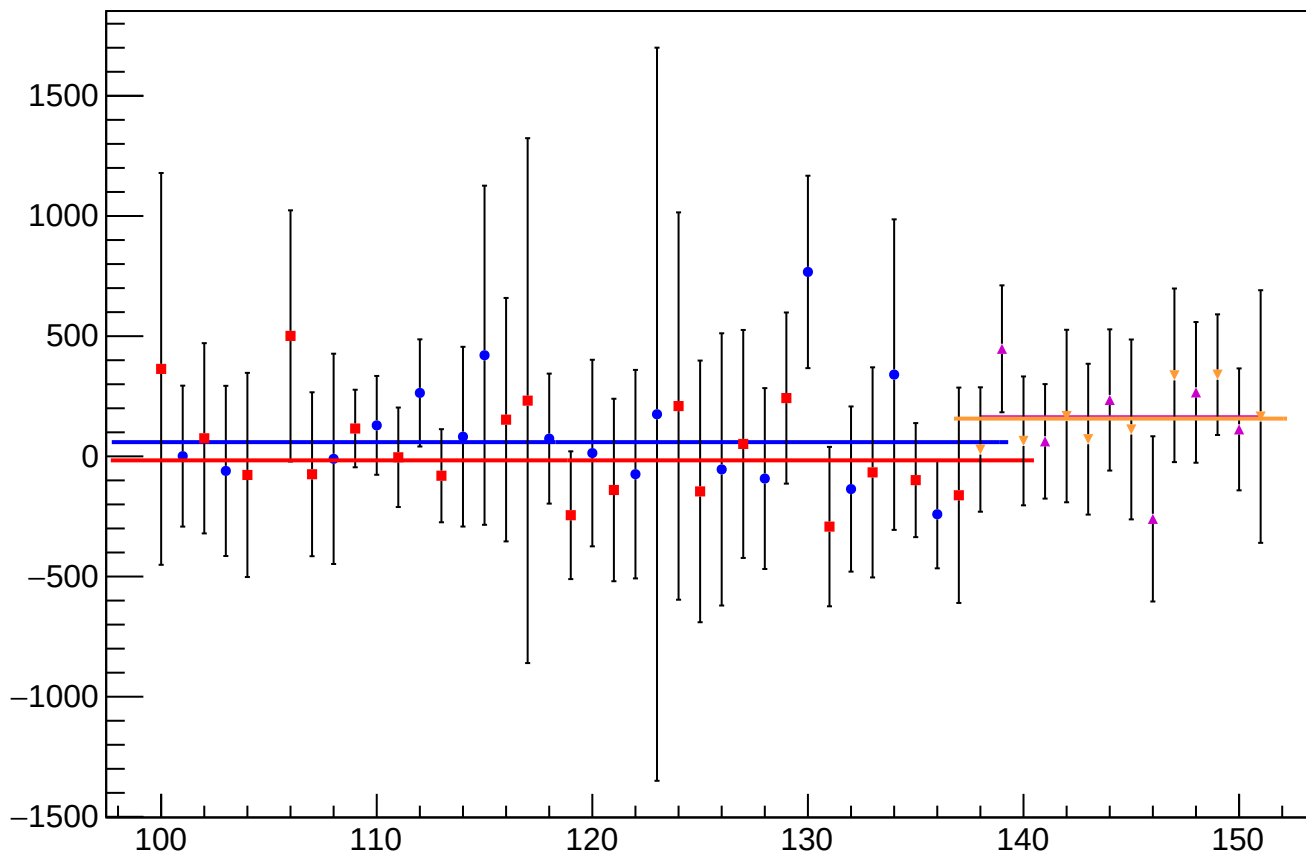
Left In: 248.698+/-0.081 χ^2/NDF : 130722.4/5

223.445+/-0.047 χ^2/NDF : 1765479.5/24

211.583+/-0.032 χ^2/NDF : 3878897.9/50

201.460+/-0.044 χ^2/NDF : 1996018.5/25

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 59.175+/-81.417 χ^2/NDF : 7.1/16

Left Out: 157.034+/-111.067 χ^2/NDF : 1.2/7

Right Out: -16.650+/-71.745 χ^2/NDF : 4.7/19

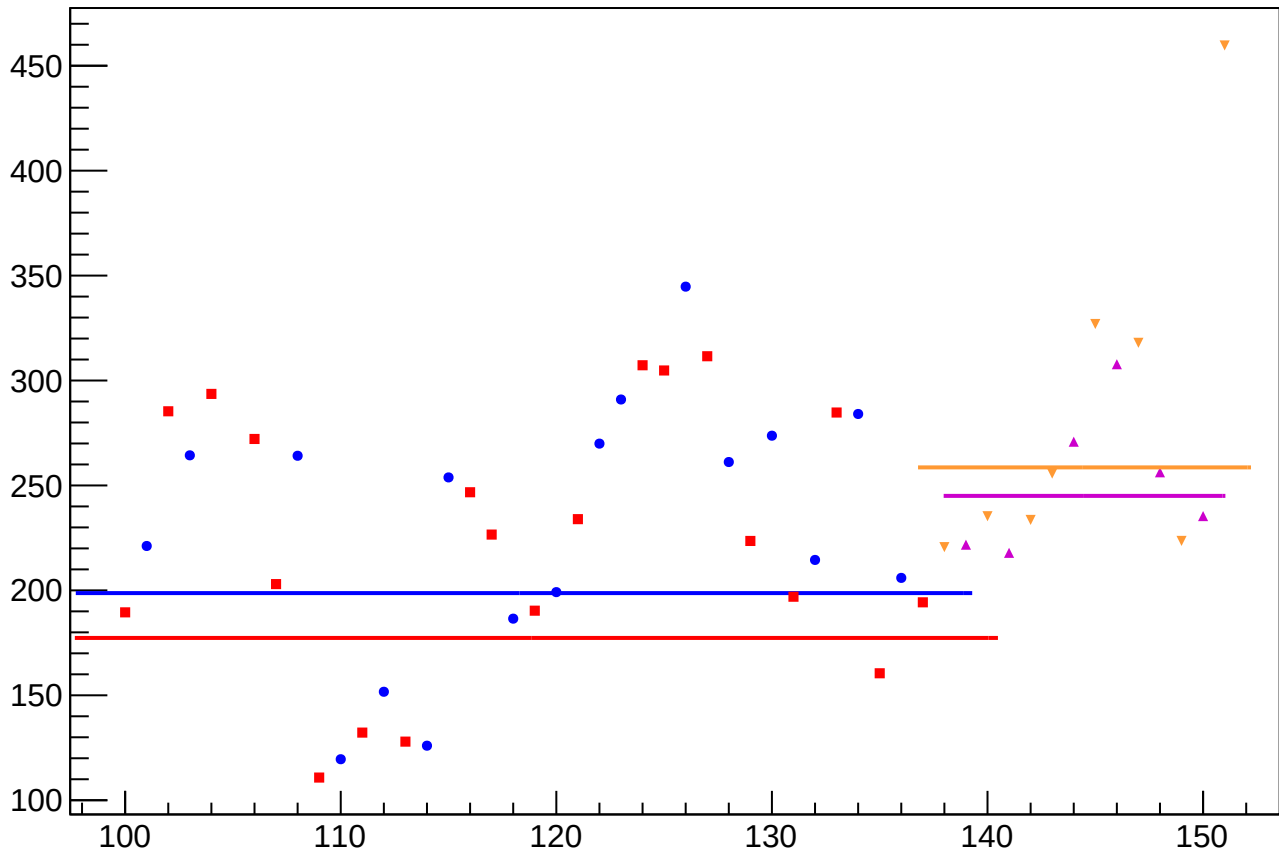
Left In: 162.644+/-112.342 χ^2/NDF : 3.1/5

93.380+/-65.664 χ^2/NDF : 8.9/24

61.945+/-44.480 χ^2/NDF : 18.9/50

35.290+/-60.466 χ^2/NDF : 9.6/25

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.704 +/- 0.058 χ^2/NDF : 963394.4/16

Left Out: 258.602 +/- 0.079 χ^2/NDF : 520575.6/7

Right Out: 177.338 +/- 0.051 χ^2/NDF : 1528976.8/19

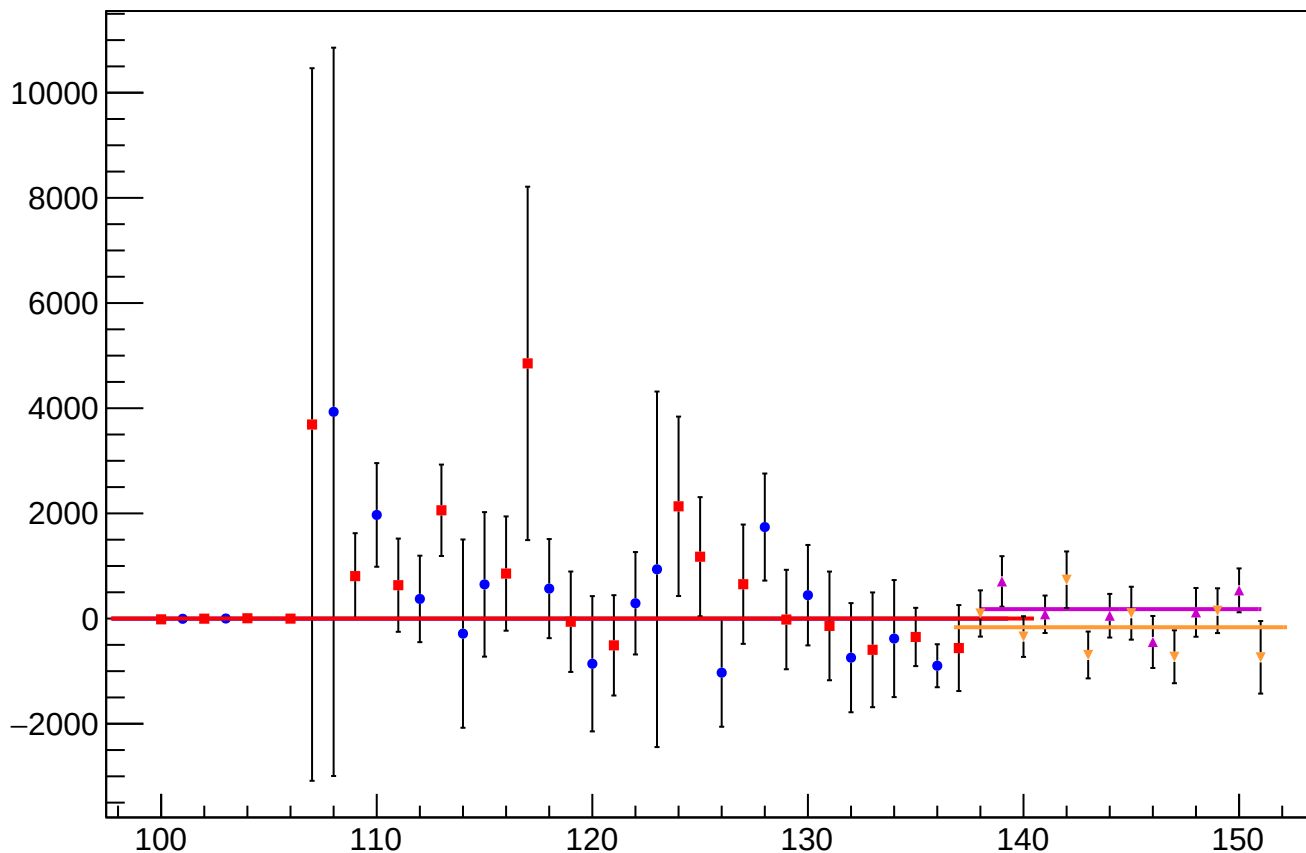
Left In: 245.028 +/- 0.079 χ^2/NDF : 129368.3/5

219.640 +/- 0.046 χ^2/NDF : 1862336.3/24

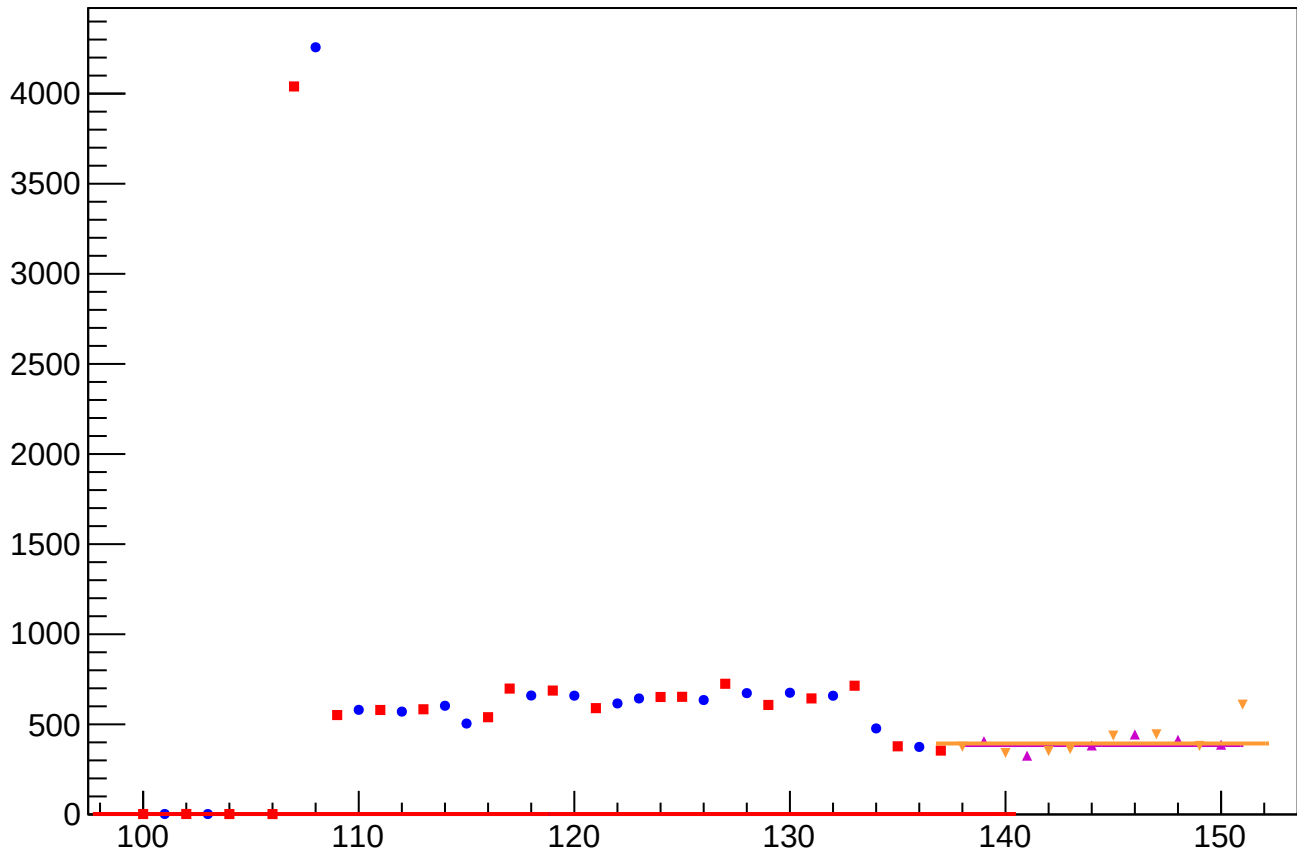
207.360 +/- 0.031 χ^2/NDF : 4165682.4/50

196.948 +/- 0.043 χ^2/NDF : 2174094.5/25

asym_cav4bQ_mean vs Slug, Sign Corrected



asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 393.831+/-0.118 χ^2/NDF : 295335.8/7

Right Out: 2.437+/-0.001 χ^2/NDF : 11225999.1/19

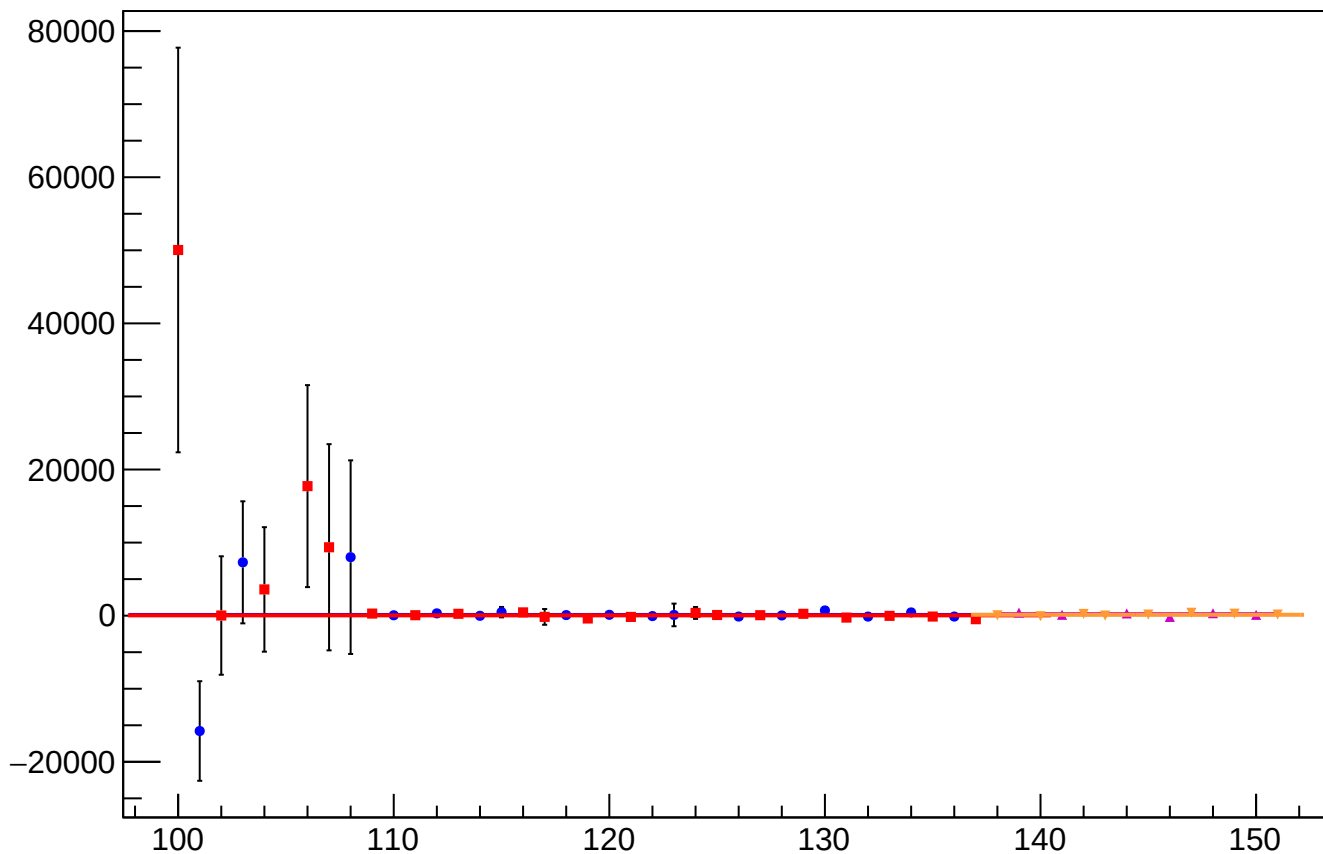
Left In: 385.286+/-0.124 χ^2/NDF : 94772.3/5

2.527+/-0.002 χ^2/NDF : 21988872.8/24

2.509+/-0.001 χ^2/NDF : 42843394.6/50

2.492+/-0.001 χ^2/NDF : 20854266.8/25

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 95.353 $\pm$ 91.708 χ^2/NDF : 12.0/16

Left Out: 122.213 $\pm$ 116.616 χ^2/NDF : 1.6/7

Right Out: 41.335 $\pm$ 84.288 χ^2/NDF : 14.0/19

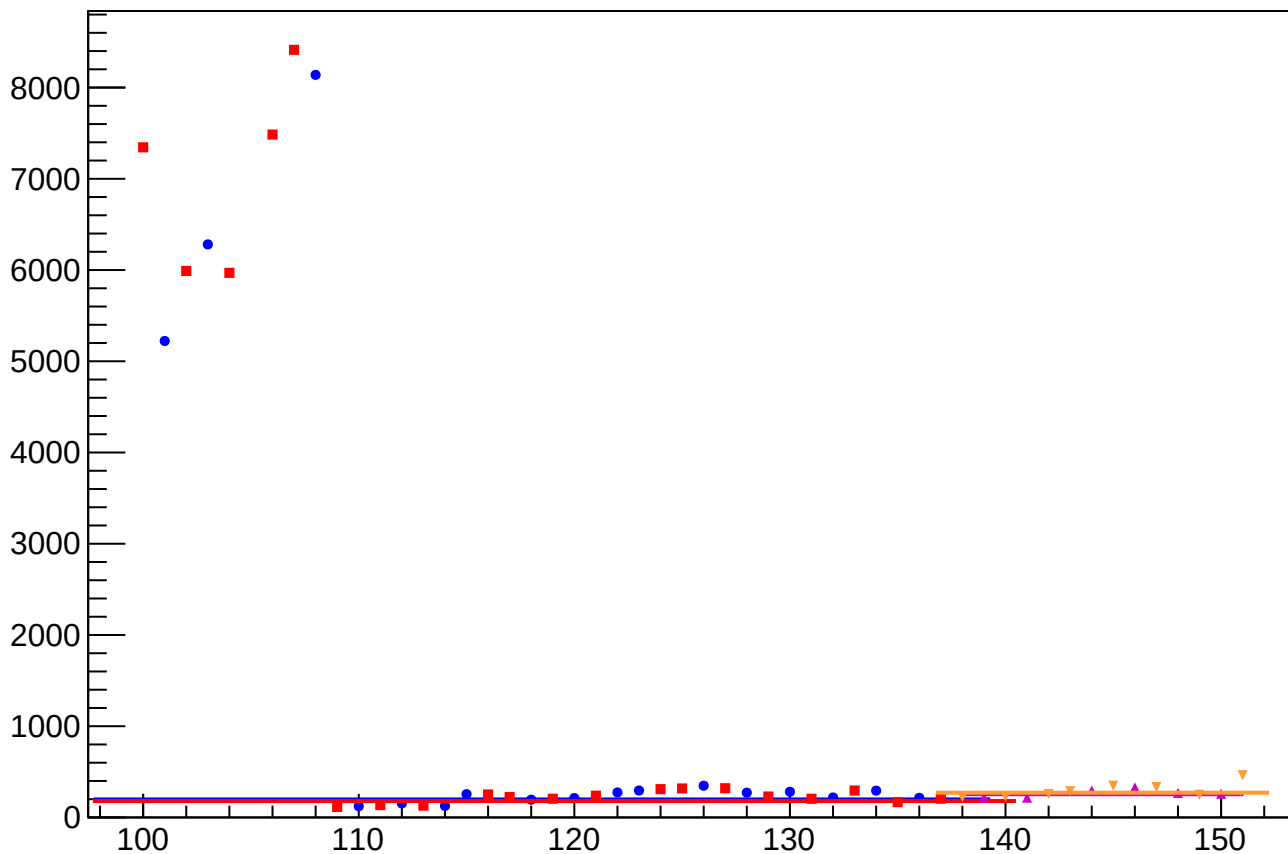
Left In: 207.639 $\pm$ 117.395 χ^2/NDF : 2.2/5

105.616 $\pm$ 72.087 χ^2/NDF : 13.7/24

101.561 $\pm$ 49.644 χ^2/NDF : 31.3/50

97.903 $\pm$ 68.468 χ^2/NDF : 17.6/25

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.422 ± 0.065 χ^2/NDF : 3695848.3/16

Left Out: 271.403 ± 0.082 χ^2/NDF : 538356.9/7

Right Out: 180.250 ± 0.060 χ^2/NDF : 4324682.8/19

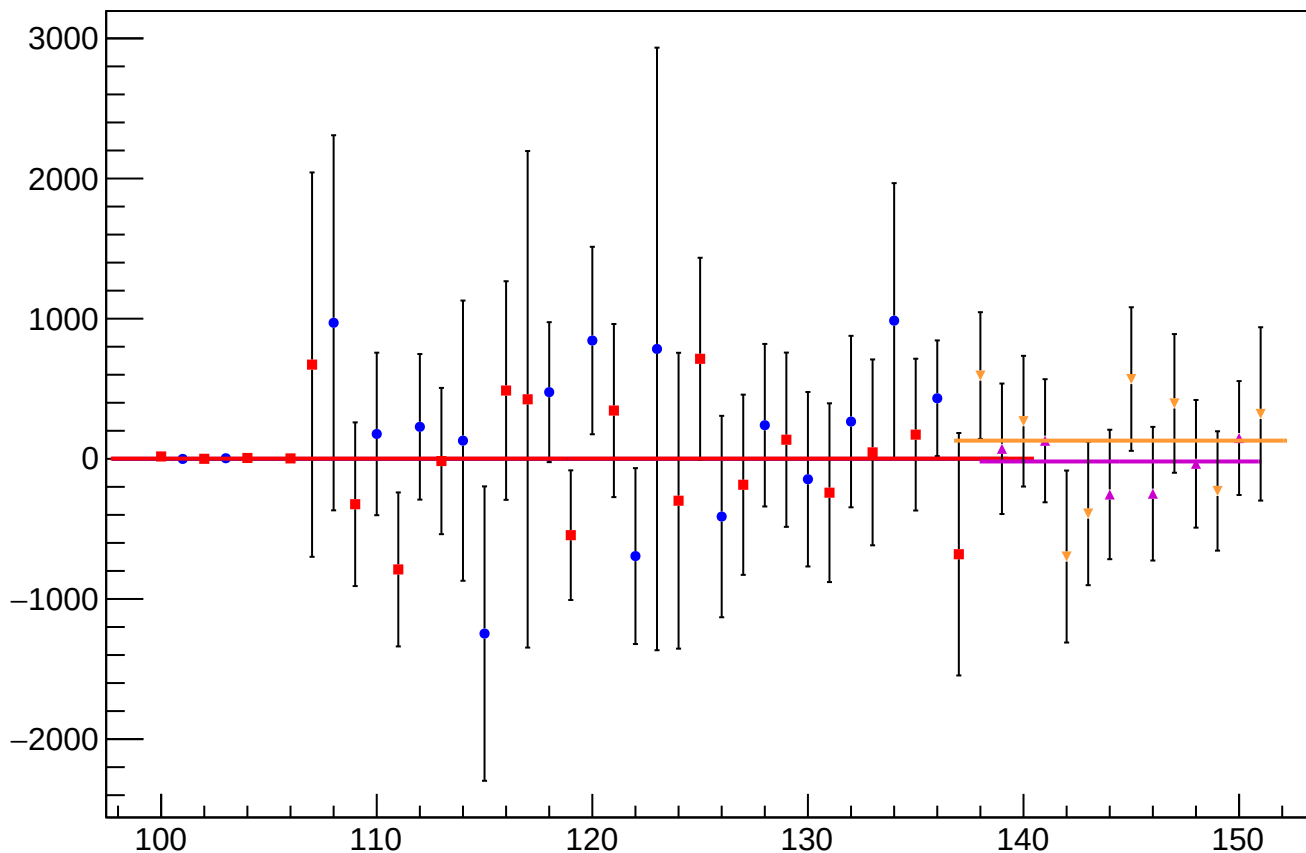
Left In: 254.974 ± 0.083 χ^2/NDF : 205310.2/5

225.692 ± 0.051 χ^2/NDF : 4731549.2/24

215.164 ± 0.035 χ^2/NDF : 9877347.7/50

205.668 ± 0.048 χ^2/NDF : 5064670.5/25

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.139 ± 1.737 χ^2/NDF : 9.8/16

Left Out: 129.755 ± 176.794 χ^2/NDF : 5.8/7

Right Out: 1.324 ± 1.623 χ^2/NDF : 9.6/19

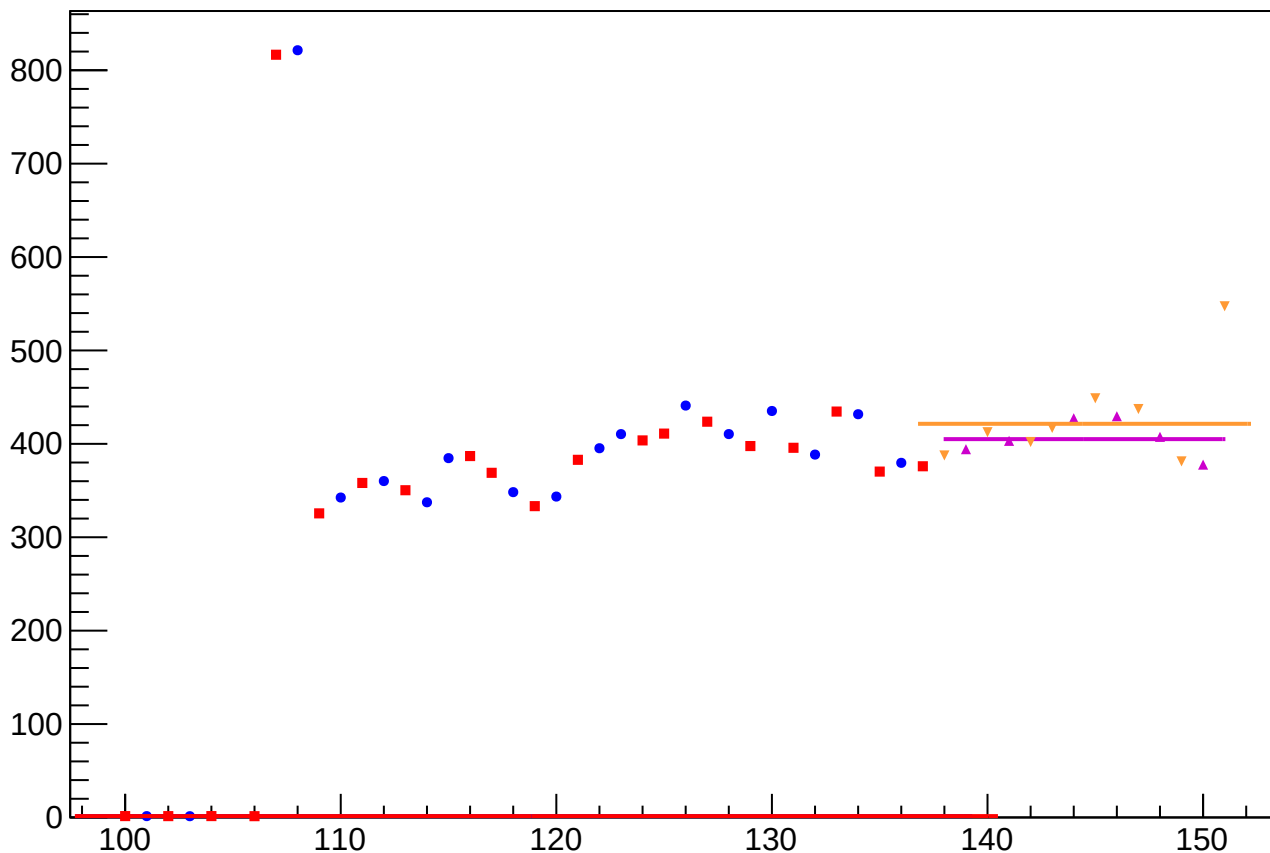
Left In: -18.916 ± 183.311 χ^2/NDF : 0.8/5

-0.126 ± 1.737 χ^2/NDF : 16.1/24

0.647 ± 1.186 χ^2/NDF : 26.9/50

1.322 ± 1.622 χ^2/NDF : 10.4/25

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.452+/-0.001 χ^2/NDF : 10815892.9/16

Left Out: 421.458+/-0.125 χ^2/NDF :122498.3/7

Right Out: 1.451+/-0.001 χ^2/NDF : 10959647.1/19

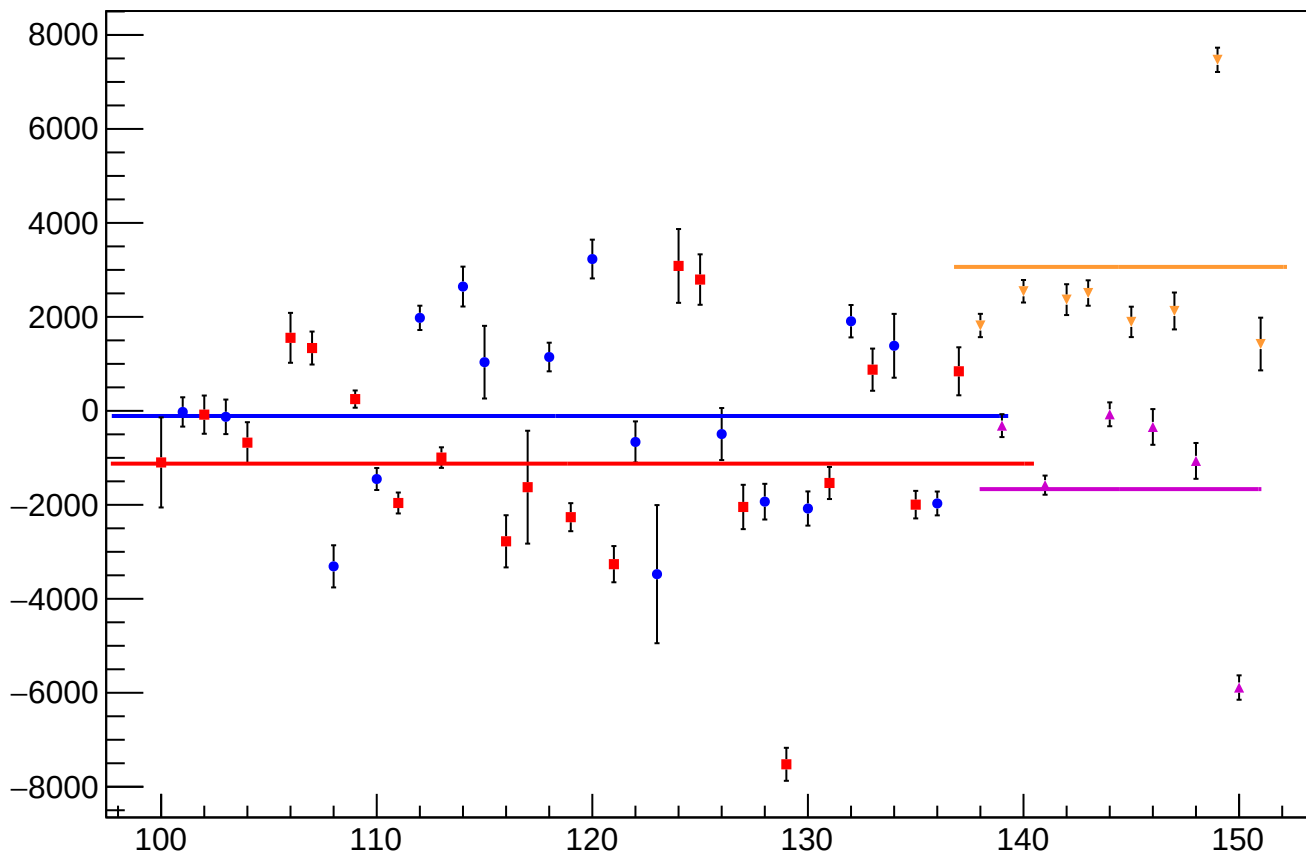
Left In: 405.056+/-0.130 χ^2/NDF :20148.3/5

1.493+/-0.001 χ^2/NDF : 22224975.4/24

1.488+/-0.001 χ^2/NDF : 42899447.4/50

1.483+/-0.001 χ^2/NDF : 20674438.2/25

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -109.225 $\pm$ 87.961 χ^2/NDF : 428.3/16

Left Out: 3063.614 $\pm$ 104.959 χ^2/NDF : 356.2/7

Right Out: -1123.337 $\pm$ 78.230 χ^2/NDF : 670.2/19

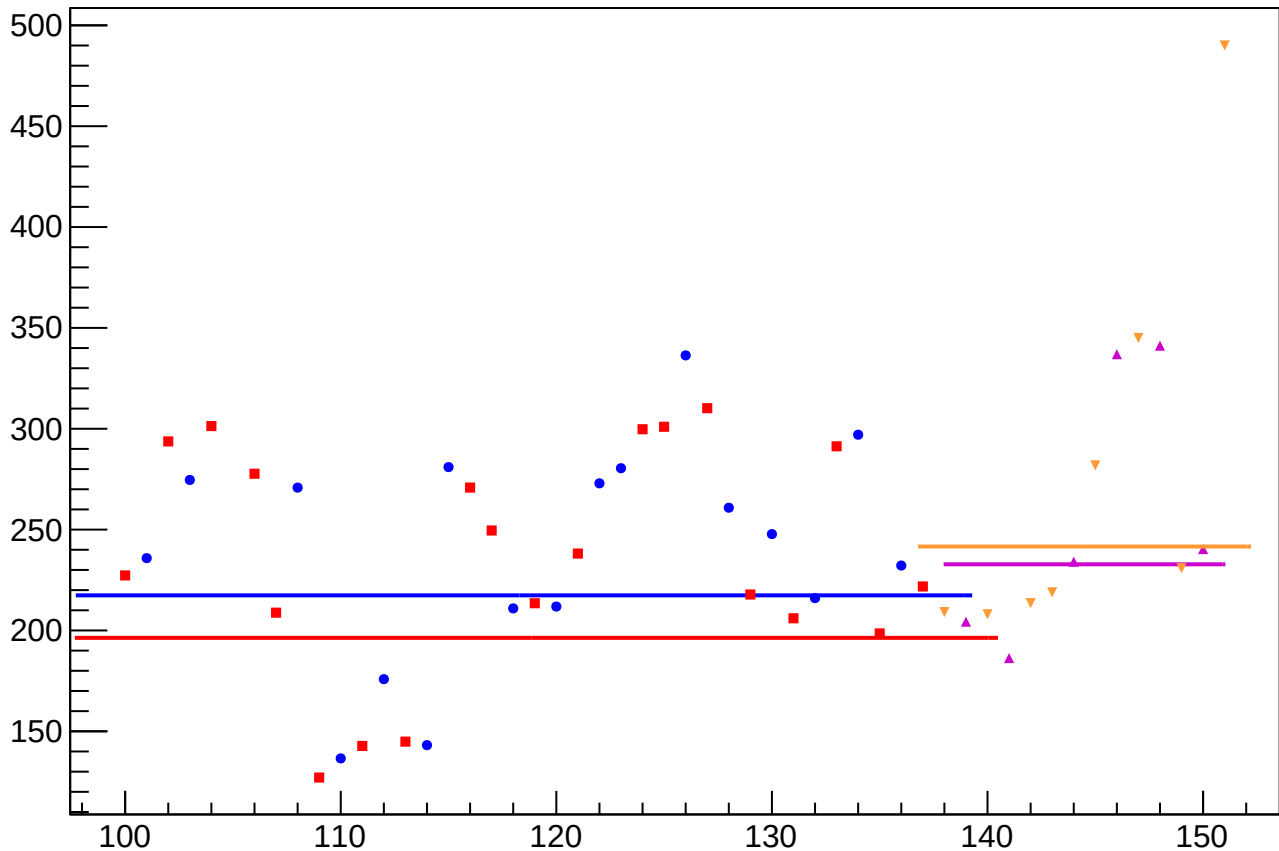
Left In: -1665.448 $\pm$ 108.412 χ^2/NDF : 349.7/5

1199.792 $\pm$ 67.417 χ^2/NDF : 1321.3/24

-130.800 $\pm$ 46.200 χ^2/NDF : 3092.1/50

-1308.959 $\pm$ 63.438 χ^2/NDF : 1036.4/25

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.403 $\pm$ 0.062 χ^2 /NDF: 652632.9/16

Left Out: 241.610 $\pm$ 0.074 χ^2 /NDF: 667714.7/7

Right Out: 196.339 $\pm$ 0.055 χ^2 /NDF: 1194805.7/19

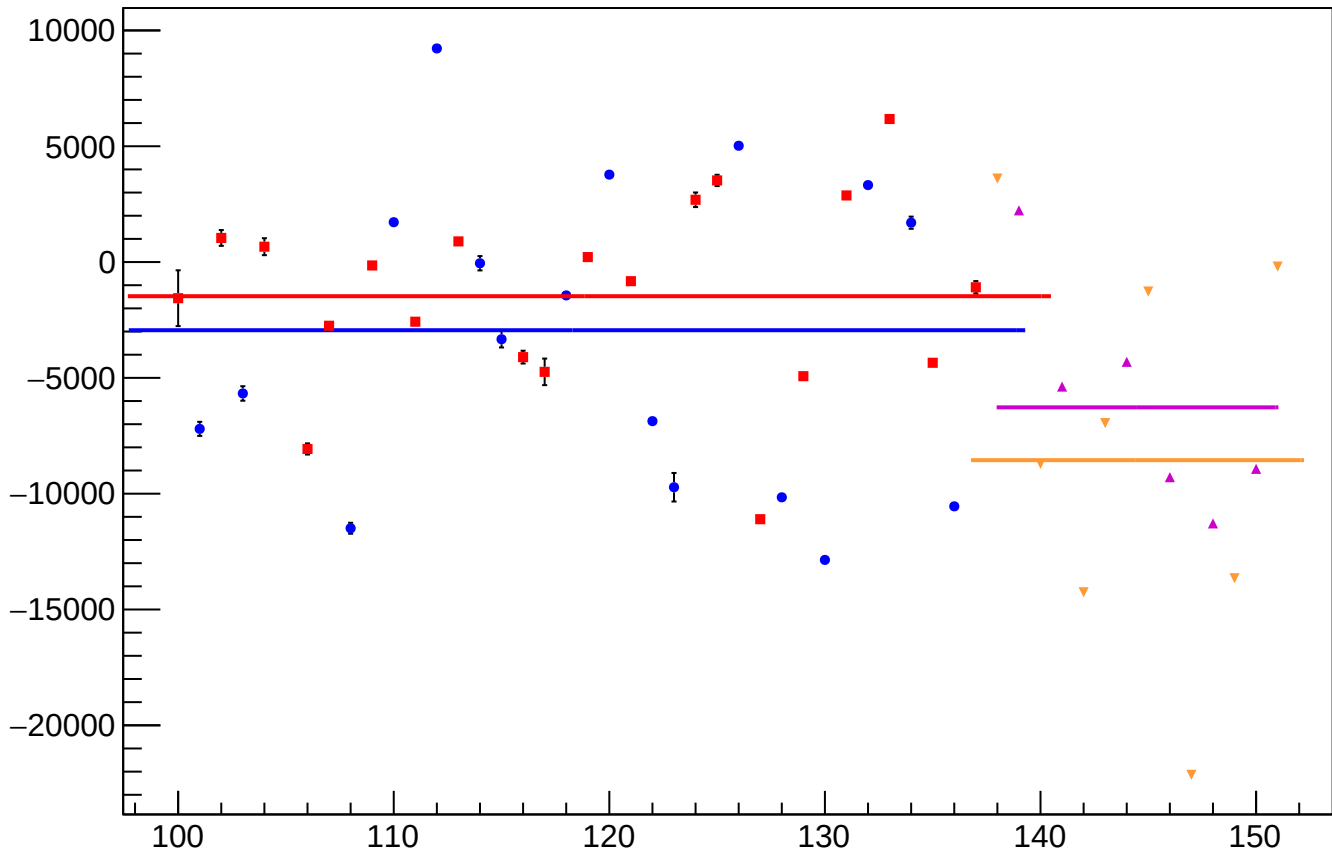
Left In: 232.791 $\pm$ 0.077 χ^2 /NDF: 444723.3/5

227.390 $\pm$ 0.048 χ^2 /NDF: 1382843.6/24

217.541 $\pm$ 0.033 χ^2 /NDF: 3251541.5/50

208.820 $\pm$ 0.045 χ^2 /NDF: 1788216.5/25

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2943.123+/-48.612 χ^2/NDF : 20909.8/16

Left Out: -8553.017+/-50.234 χ^2/NDF : 26382.2/7

Right Out: -1474.497+/-46.252 χ^2/NDF : 8028.6/19

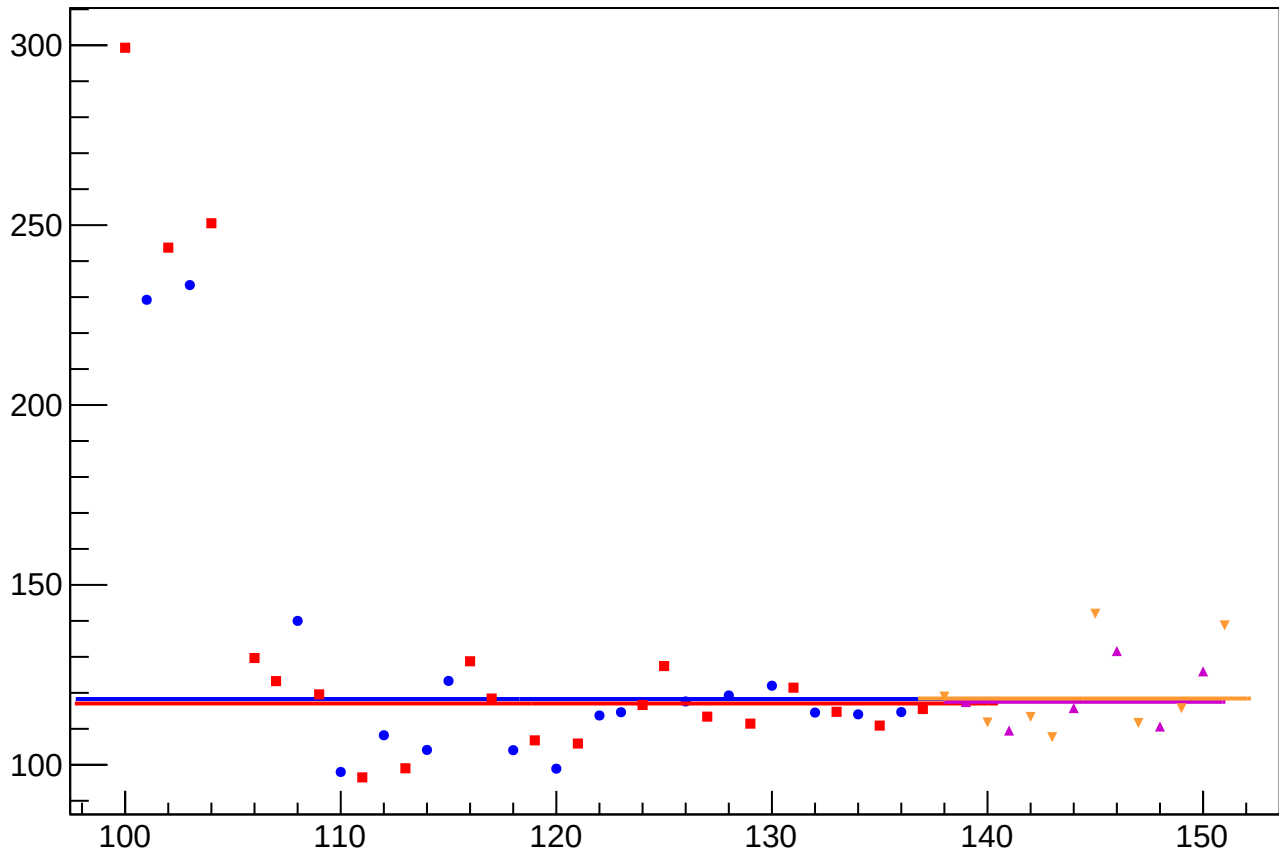
Left In: -6272.949+/-53.883 χ^2/NDF : 6301.7/5

-5656.043+/-34.933 χ^2/NDF : 53732.3/24

-4588.089+/-24.759 χ^2/NDF : 74506.5/50

-3510.173+/-35.096 χ^2/NDF : 18896.3/25

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.286+/-0.034 χ^2/NDF : 636918.0/16

Left Out: 118.428+/-0.036 χ^2/NDF : 101532.1/7

Right Out: 117.040+/-0.033 χ^2/NDF : 690873.1/19

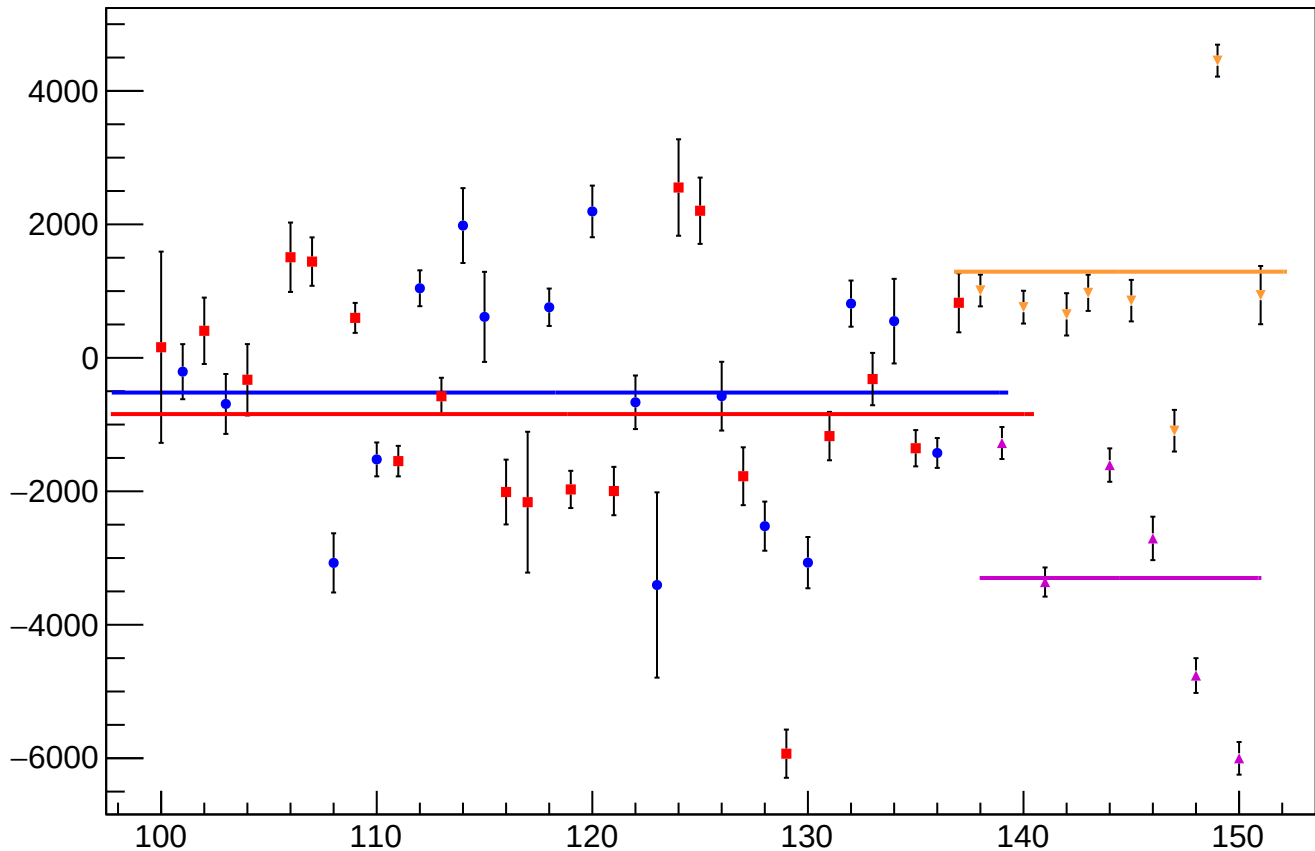
Left In: 117.514+/-0.038 χ^2/NDF : 41208.6/5

118.354+/-0.025 χ^2/NDF : 738458.3/24

117.800+/-0.018 χ^2/NDF : 1471639.3/50

117.241+/-0.025 χ^2/NDF : 732170.4/25

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -520.267 ± 89.241 $\chi^2/\text{NDF}: 288.1/16$

Left Out: 1290.960 ± 99.460 $\chi^2/\text{NDF}: 247.1/7$

Right Out: -842.858 ± 82.024 $\chi^2/\text{NDF}: 436.3/19$

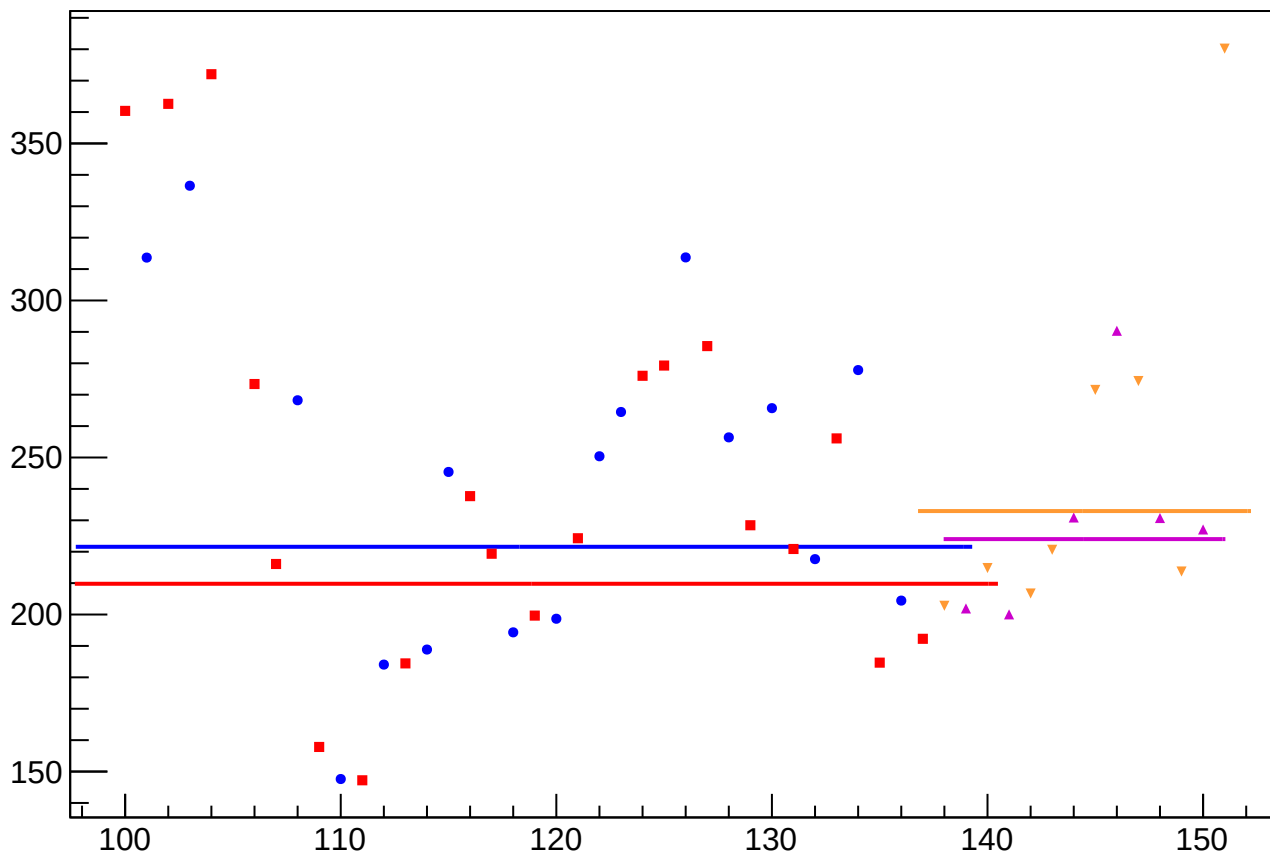
Left In: -3299.325 ± 102.512 $\chi^2/\text{NDF}: 273.5/5$

287.545 ± 66.423 $\chi^2/\text{NDF}: 718.9/24$

-795.122 ± 46.105 $\chi^2/\text{NDF}: 2291.4/50$

-1801.686 ± 64.046 $\chi^2/\text{NDF}: 1059.8/25$

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.570 $\pm$ 0.063 χ^2 /NDF: 644941.4/16

Left Out: 232.944 $\pm$ 0.070 χ^2 /NDF:367580.0/7

Right Out: 209.794 $\pm$ 0.058 χ^2 /NDF: 884087.4/19

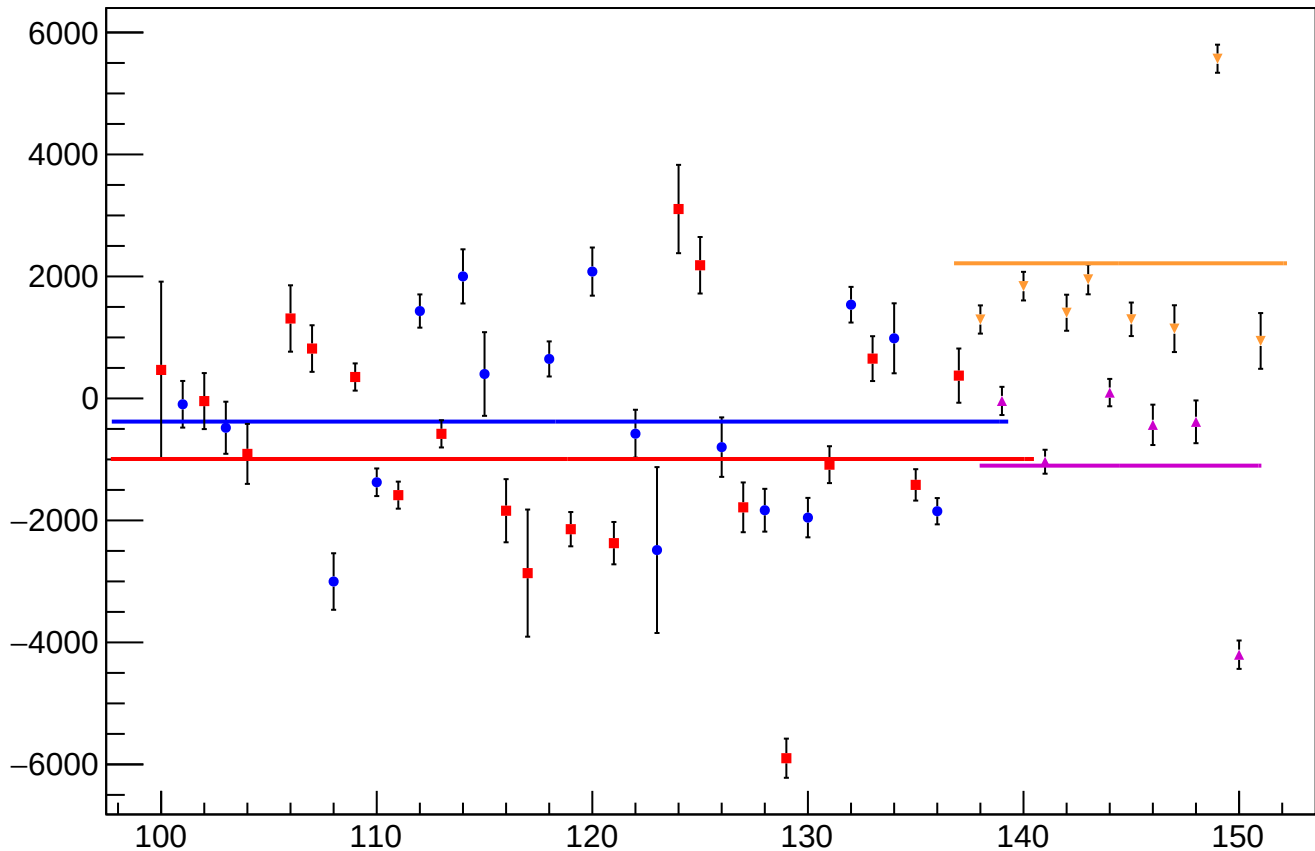
Left In: 224.017 $\pm$ 0.072 χ^2 /NDF:127294.9/5

226.643 $\pm$ 0.047 χ^2 /NDF: 1027013.0/24

220.788 $\pm$ 0.033 χ^2 /NDF: 2091847.6/50

215.346 $\pm$ 0.045 χ^2 /NDF: 1034853.0/25

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -379.647 $\pm$ 84.260 χ^2/NDF : 317.2/16

Left Out: 2215.499 $\pm$ 95.942 χ^2/NDF : 265.9/7

Right Out: -992.944 $\pm$ 77.509 χ^2/NDF : 479.5/19

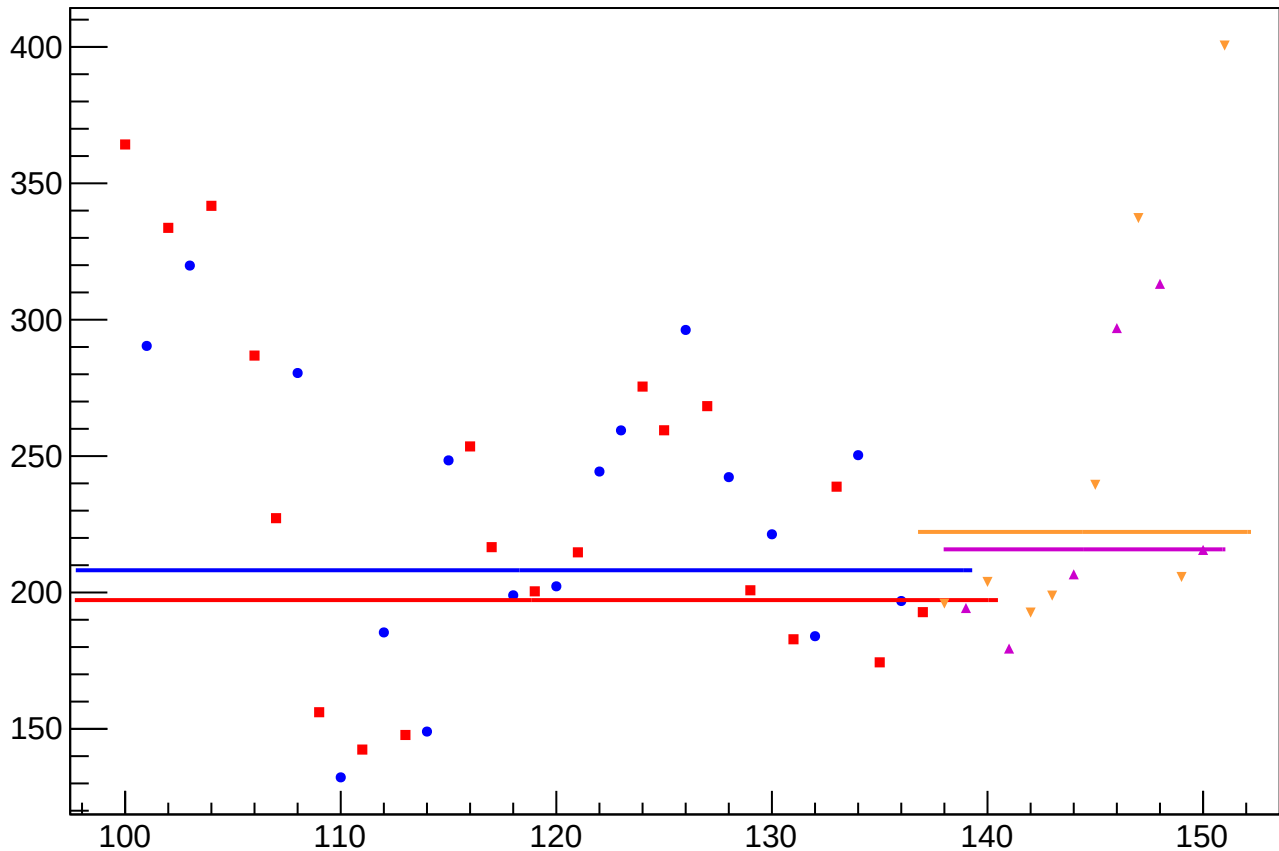
Left In: -1101.948 $\pm$ 99.846 χ^2/NDF : 235.5/5

750.382 $\pm$ 63.310 χ^2/NDF : 996.1/24

-171.626 $\pm$ 44.012 χ^2/NDF : 2122.2/50

-1033.932 $\pm$ 61.226 χ^2/NDF : 715.7/25

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.151+/-0.060 χ^2/NDF : 699084.2/16

Left Out: 222.207+/-0.068 χ^2/NDF : 578599.6/7

Right Out: 197.210+/-0.055 χ^2/NDF : 927165.0/19

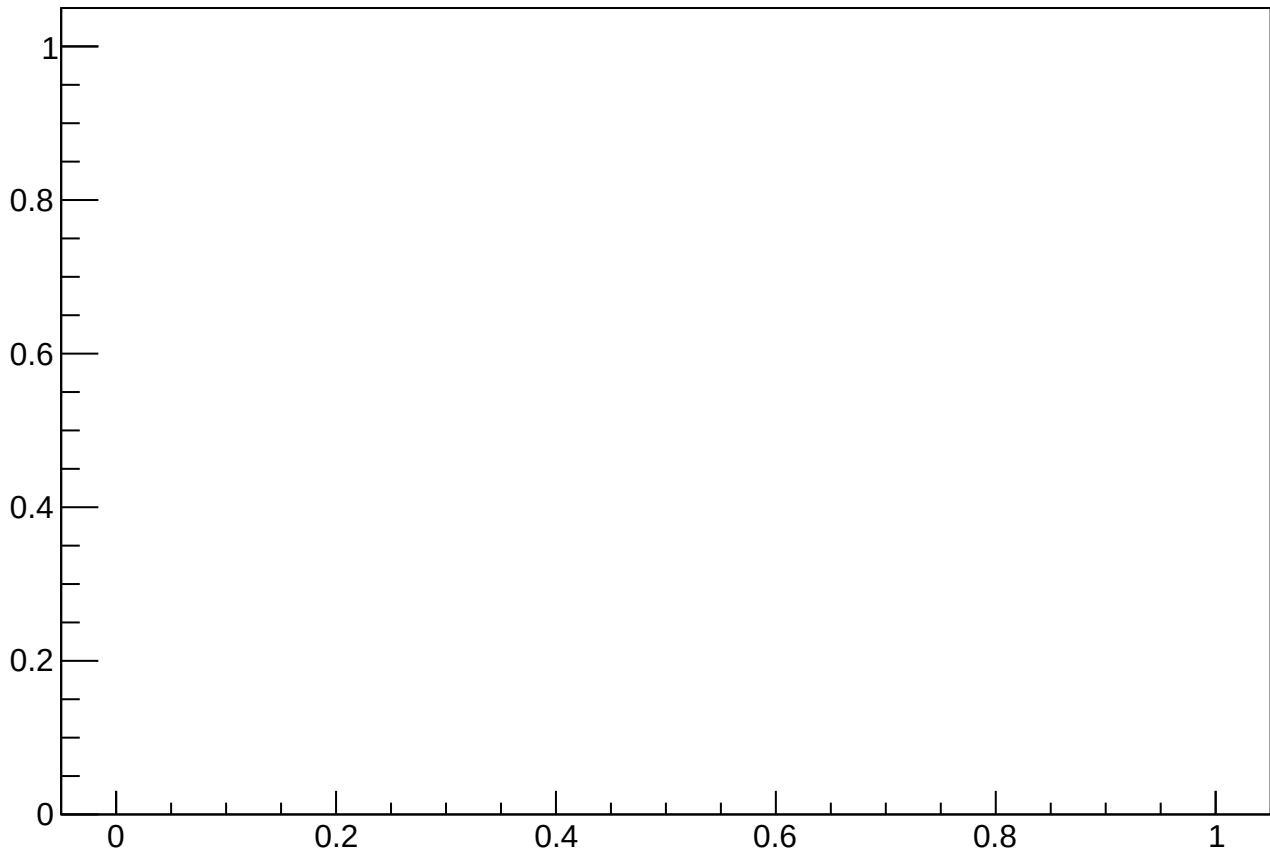
Left In: 215.815+/-0.071 χ^2/NDF : 363771.0/5

214.271+/-0.045 χ^2/NDF : 1301919.4/24

209.070+/-0.031 χ^2/NDF : 2662304.4/50

204.206+/-0.043 χ^2/NDF : 1334263.4/25

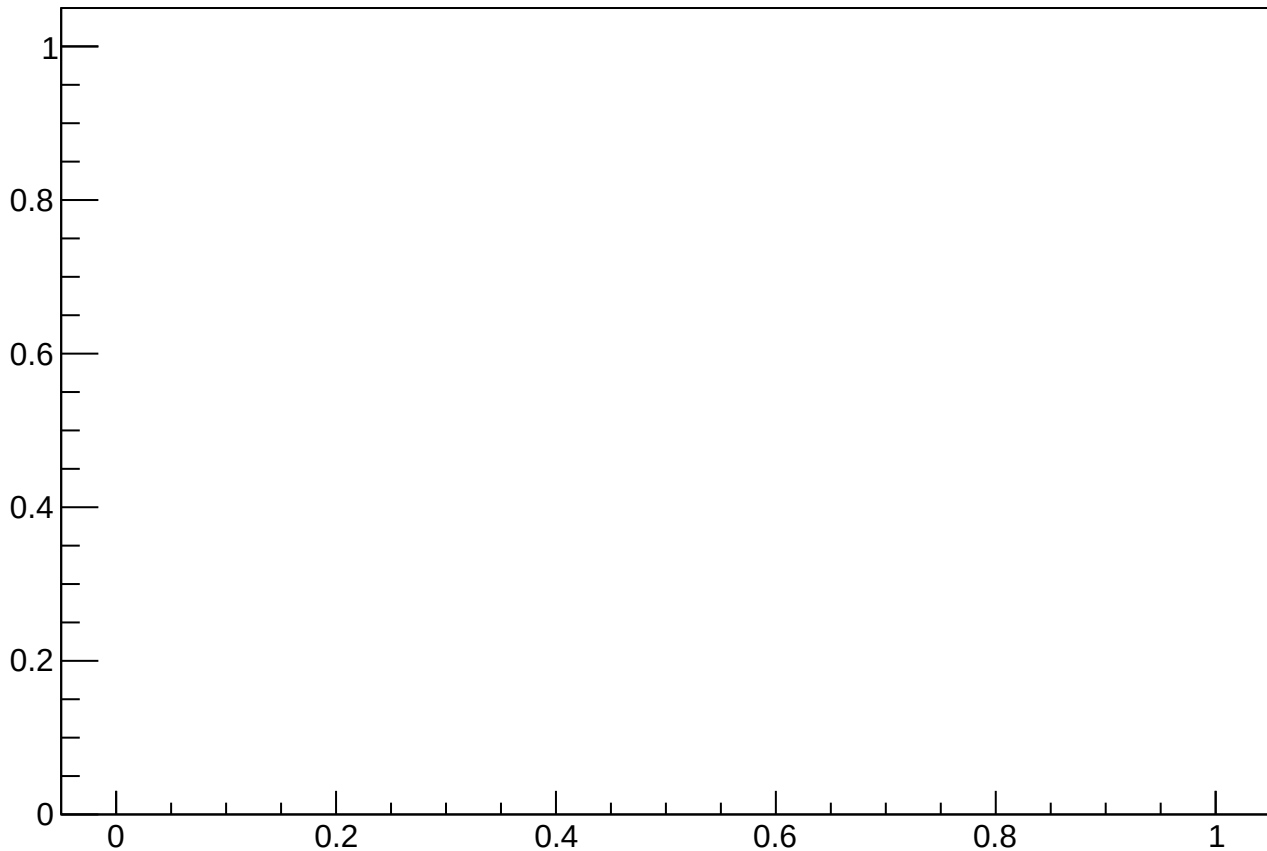
bcm_an_us_ds_dd_mean vs Slug, Sign Corrected



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

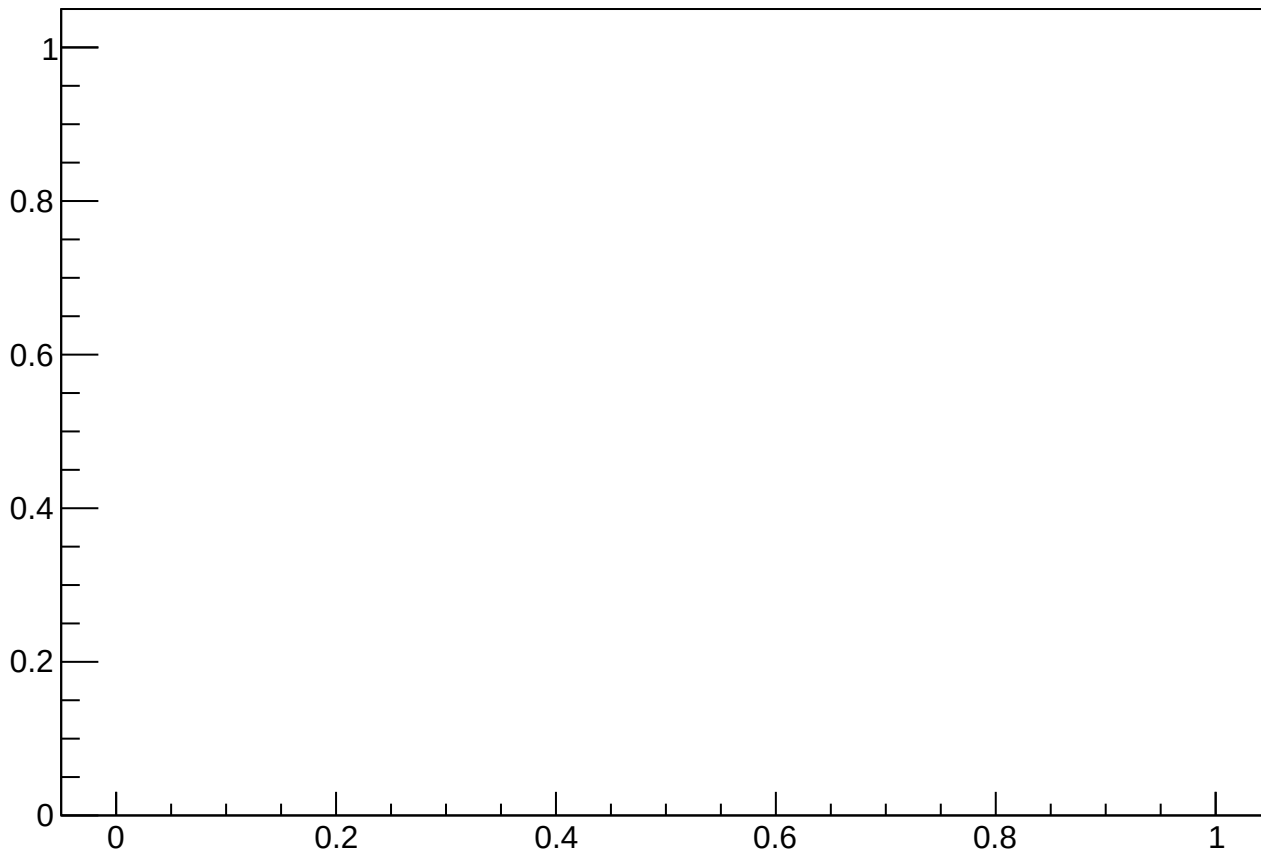
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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

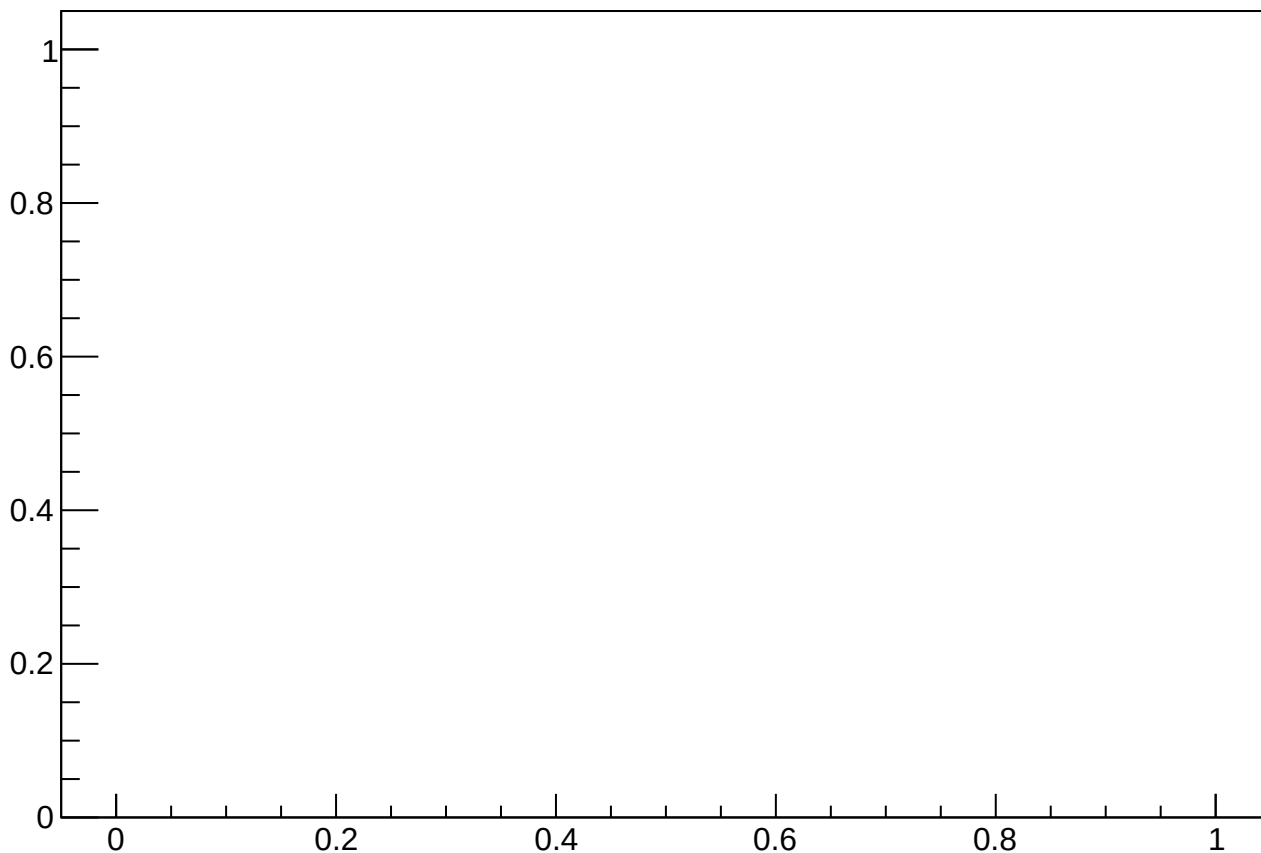
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

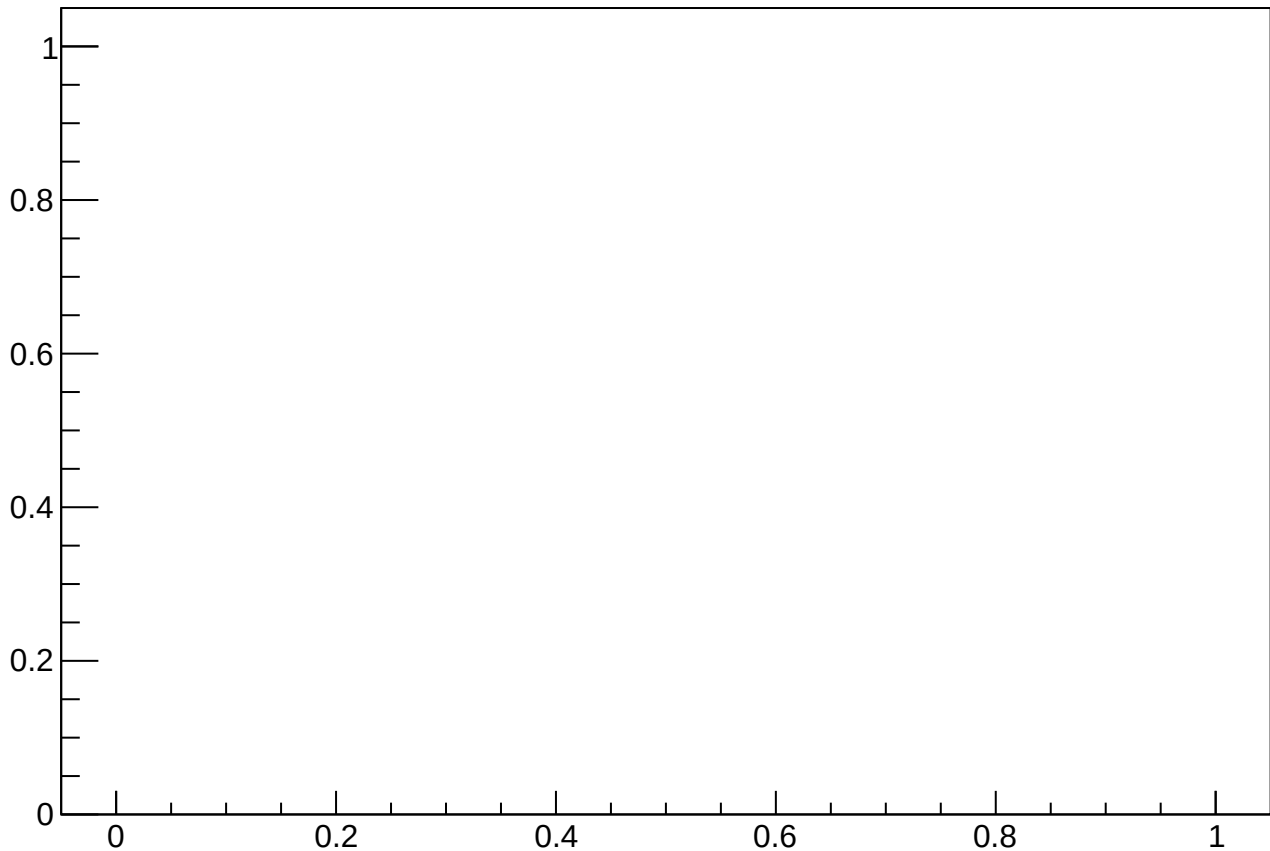
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

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

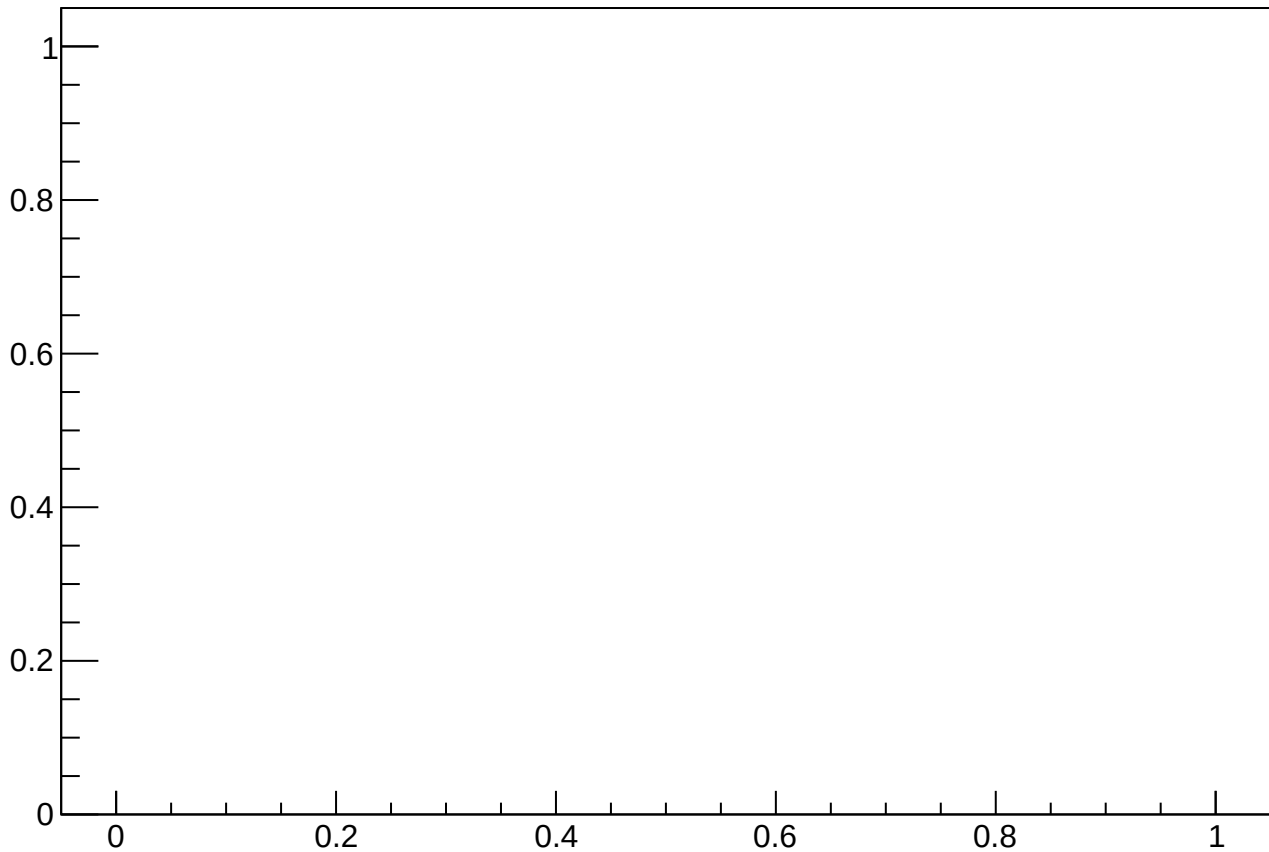
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

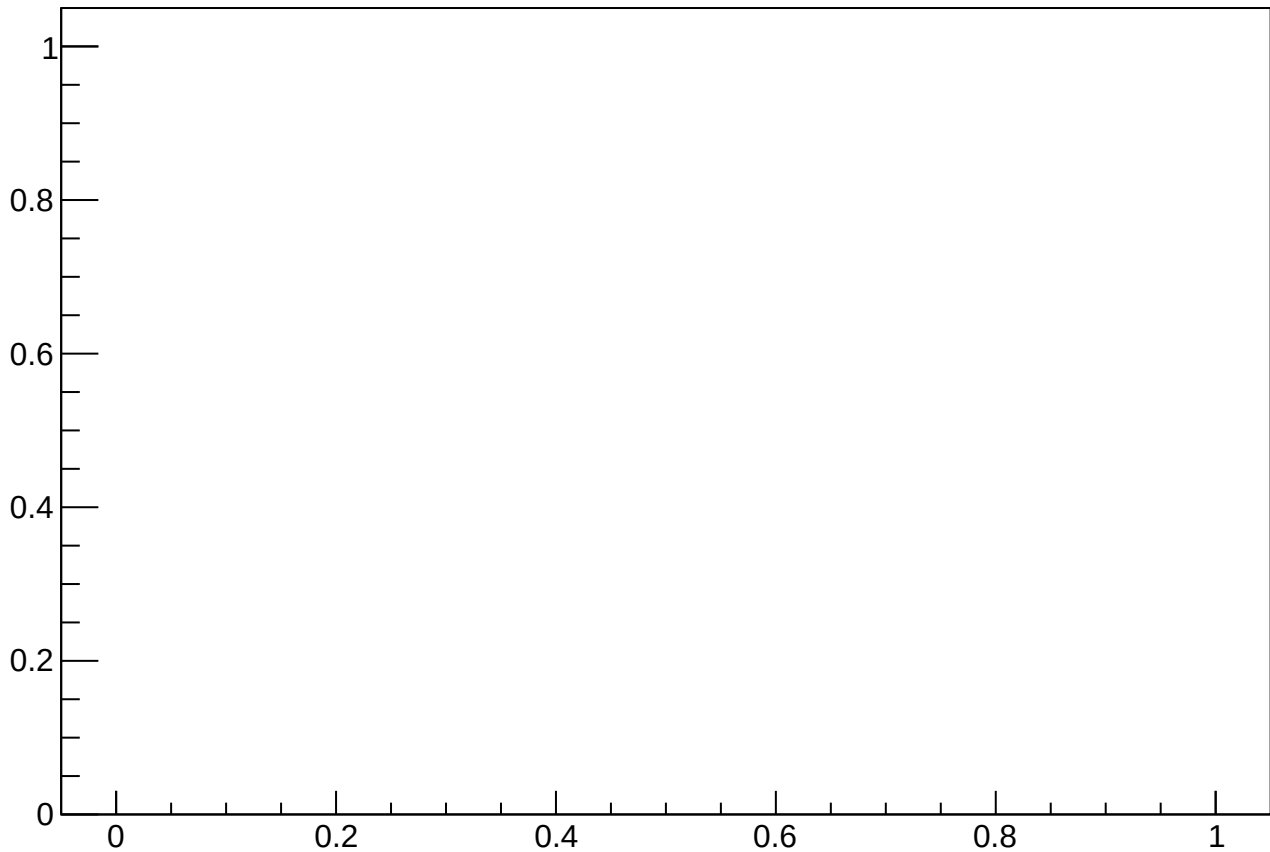
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

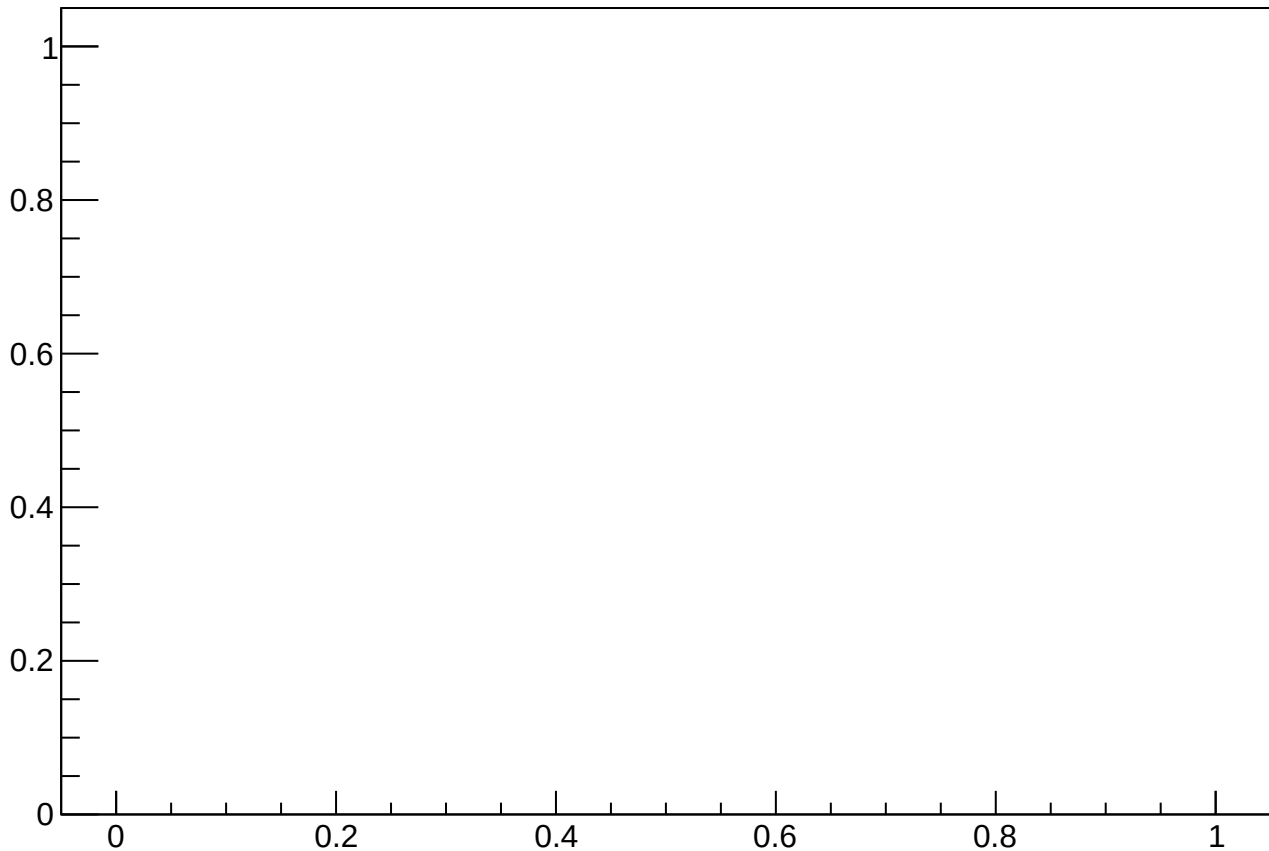
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

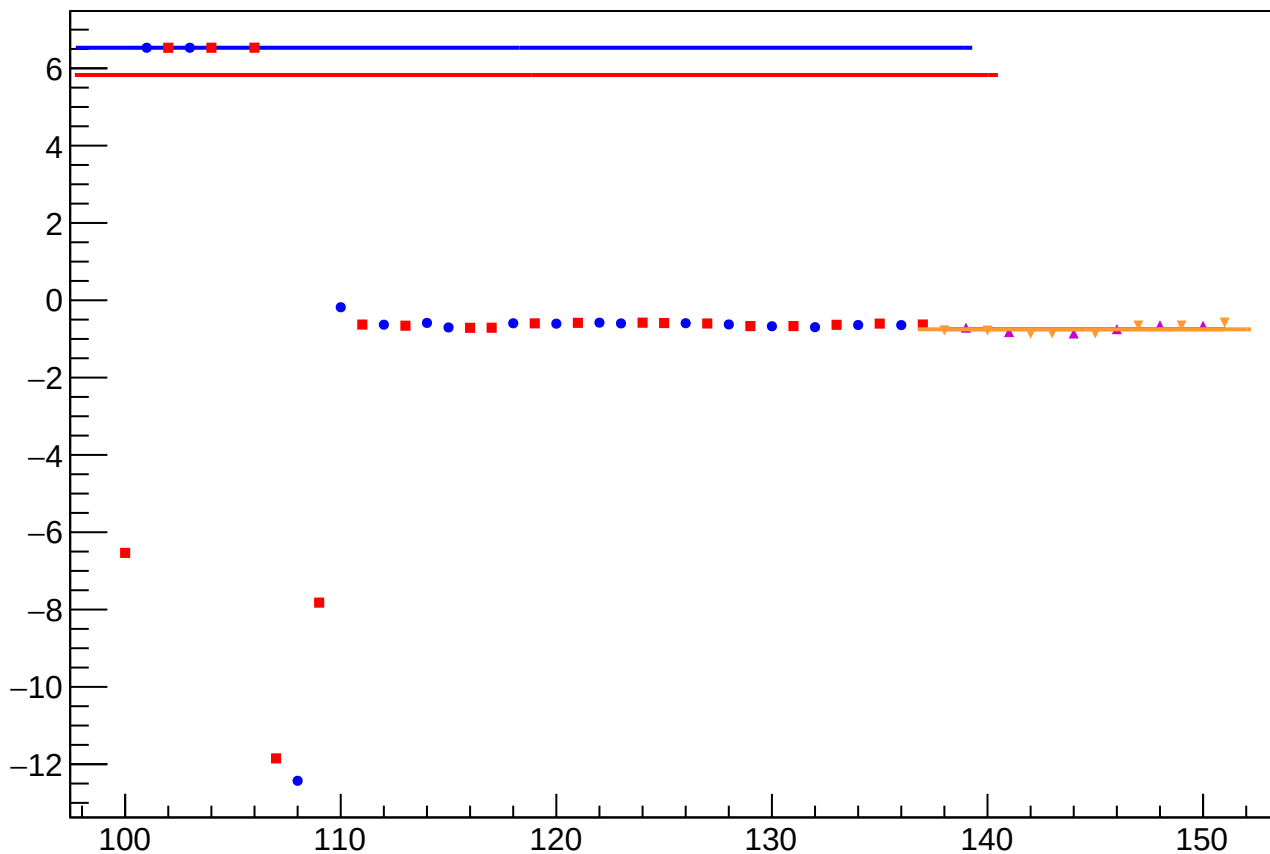
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: -0.751+/-0.000 χ^2/NDF : 64119747.6/7

Right Out: 5.827+/-0.000 χ^2/NDF : 755964092355063.0/19

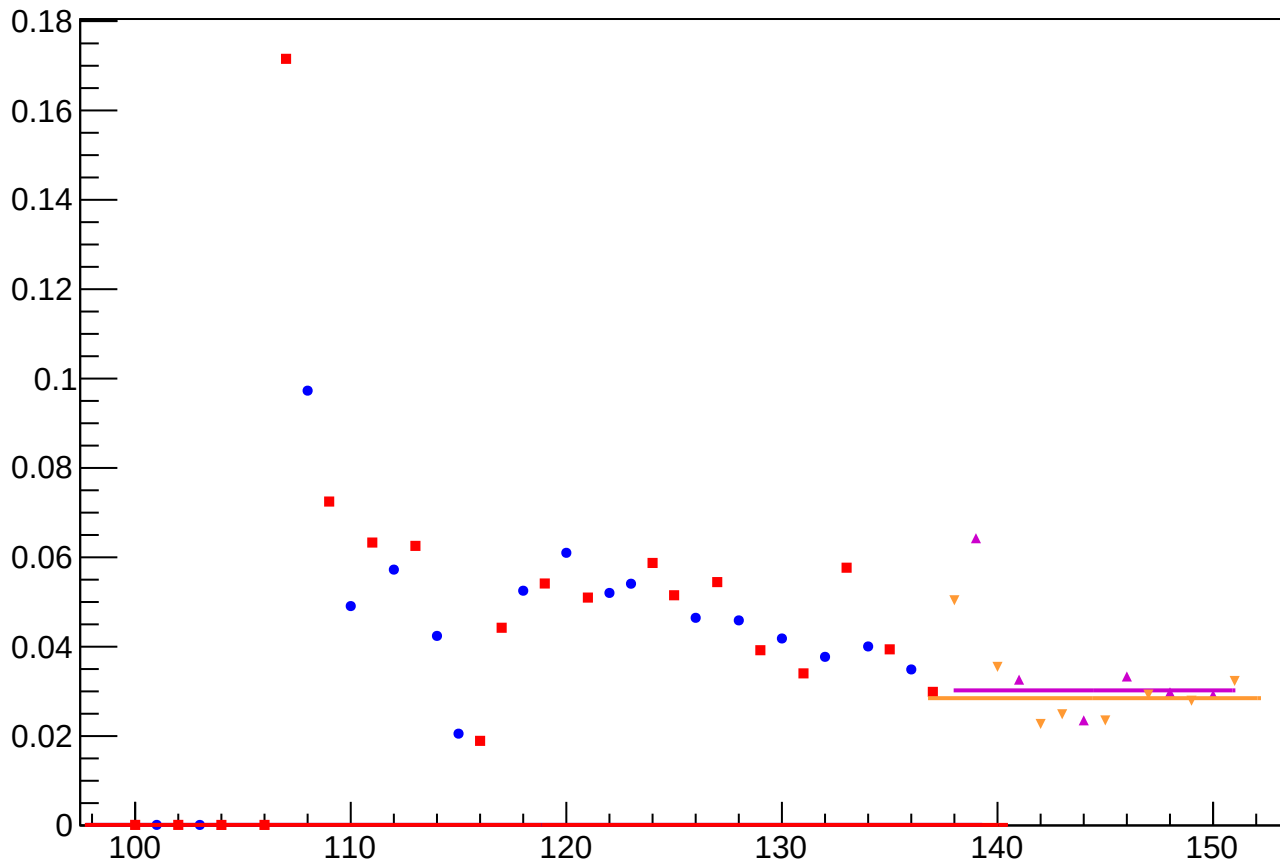
Left In: -0.748+/-0.000 χ^2/NDF : 32085725.8/5

6.531+/-0.000 χ^2/NDF : 407519757327.6/24

6.154+/-0.000 χ^2/NDF : 77653992360743

5.827+/-0.000 χ^2/NDF : 756138623041631.2/25

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.028+/-0.000 χ^2/NDF : 399196.2/7

Right Out: 0.000+/-0.000 χ^2/NDF : 9429256.2/19

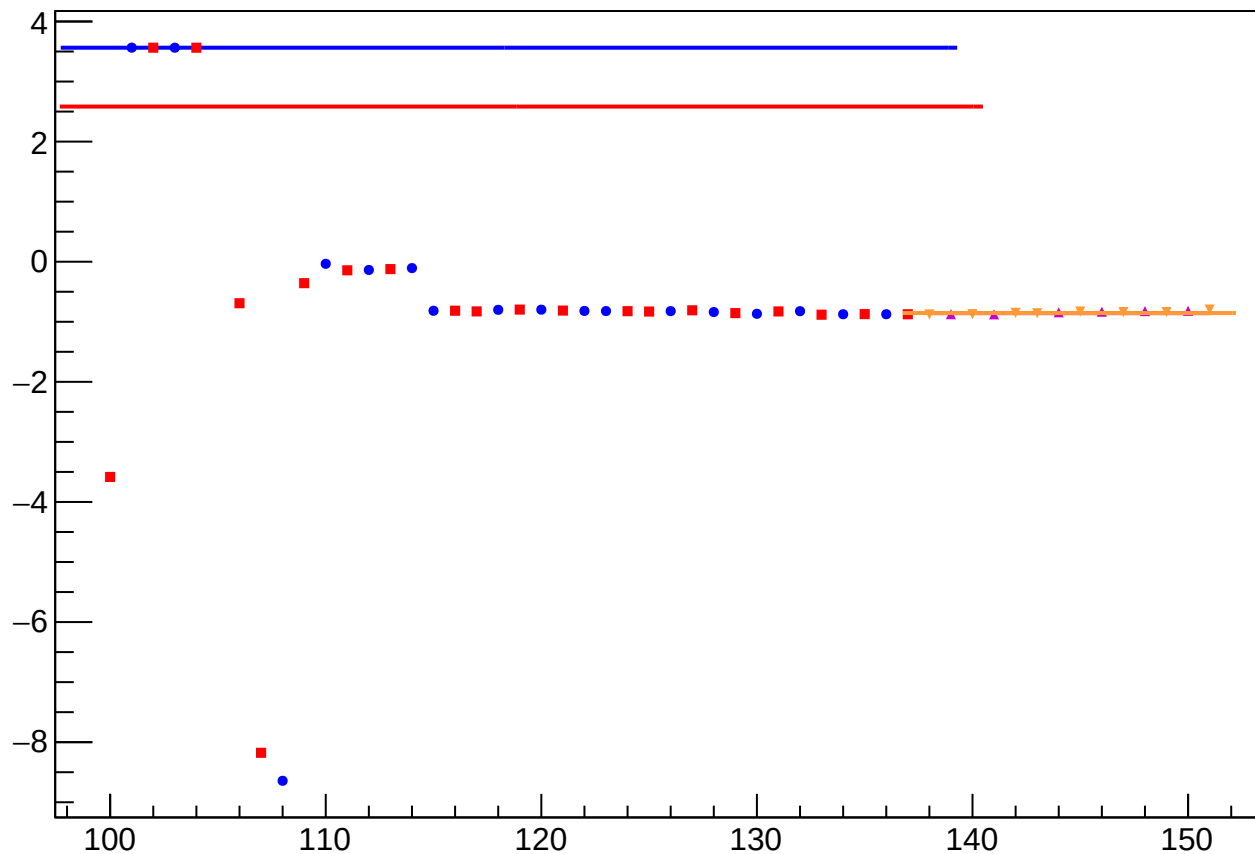
Left In: 0.030+/-0.000 χ^2/NDF : 513931.3/5

0.000+/-0.000 χ^2/NDF : 17785073.6/24

0.000+/-0.000 χ^2/NDF : 35042941.0/50

0.000+/-0.000 χ^2/NDF : 17257431.8/25

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.854+/-0.000 χ^2/NDF : 29193130.2/7

Right Out: 2.583+/-0.000 χ^2/NDF : 1253503502448656.2/19

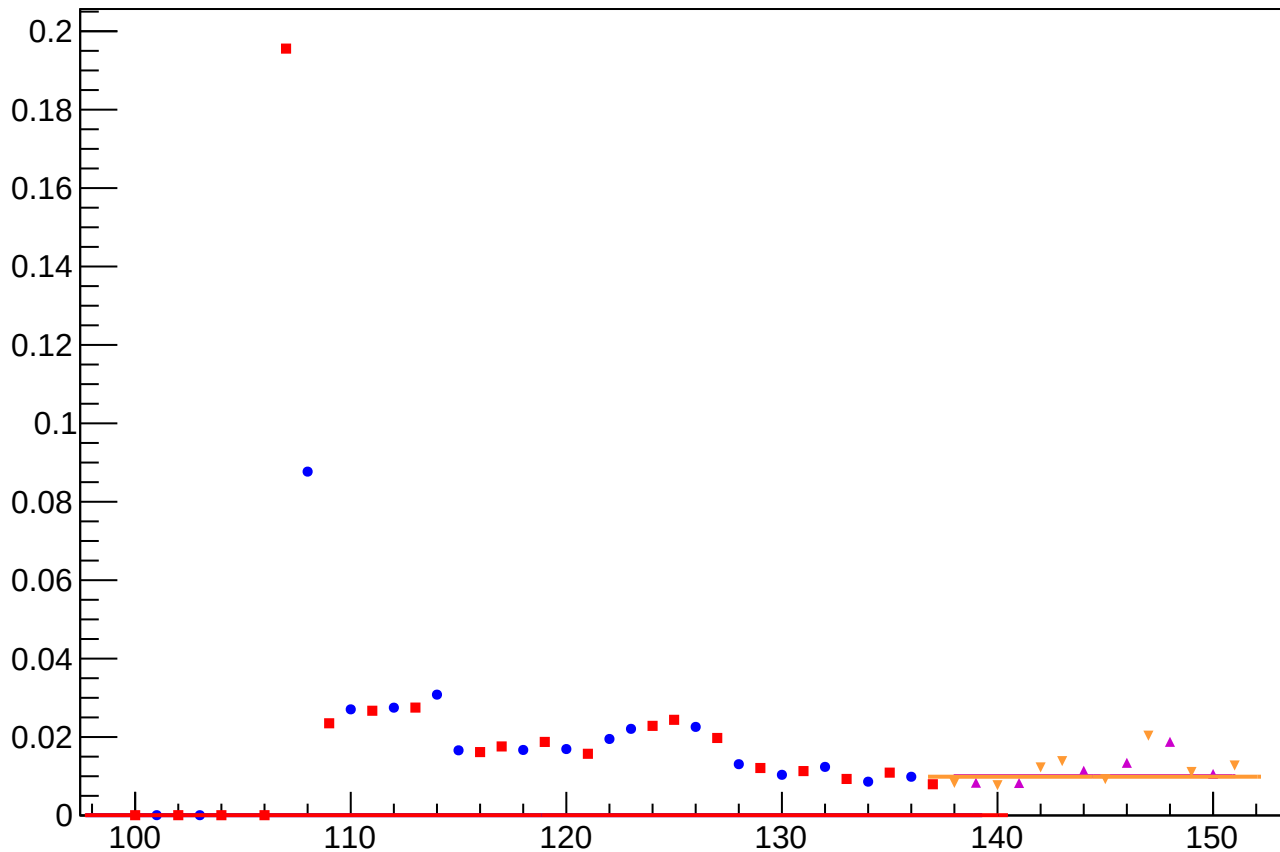
Left In: -0.856+/-0.000 χ^2/NDF : 21056618.5/5

3.563+/-0.000 χ^2/NDF : 1344745359027.6/24

3.040+/-0.000 χ^2/NDF : 13834893766651

2.583+/-0.000 χ^2/NDF : 1253941415317281.5/2

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9724059.3/16

Left Out: 0.010+/-0.000 χ^2/NDF : 707582.5/7

Right Out: 0.000+/-0.000 χ^2/NDF : 9937459.6/19

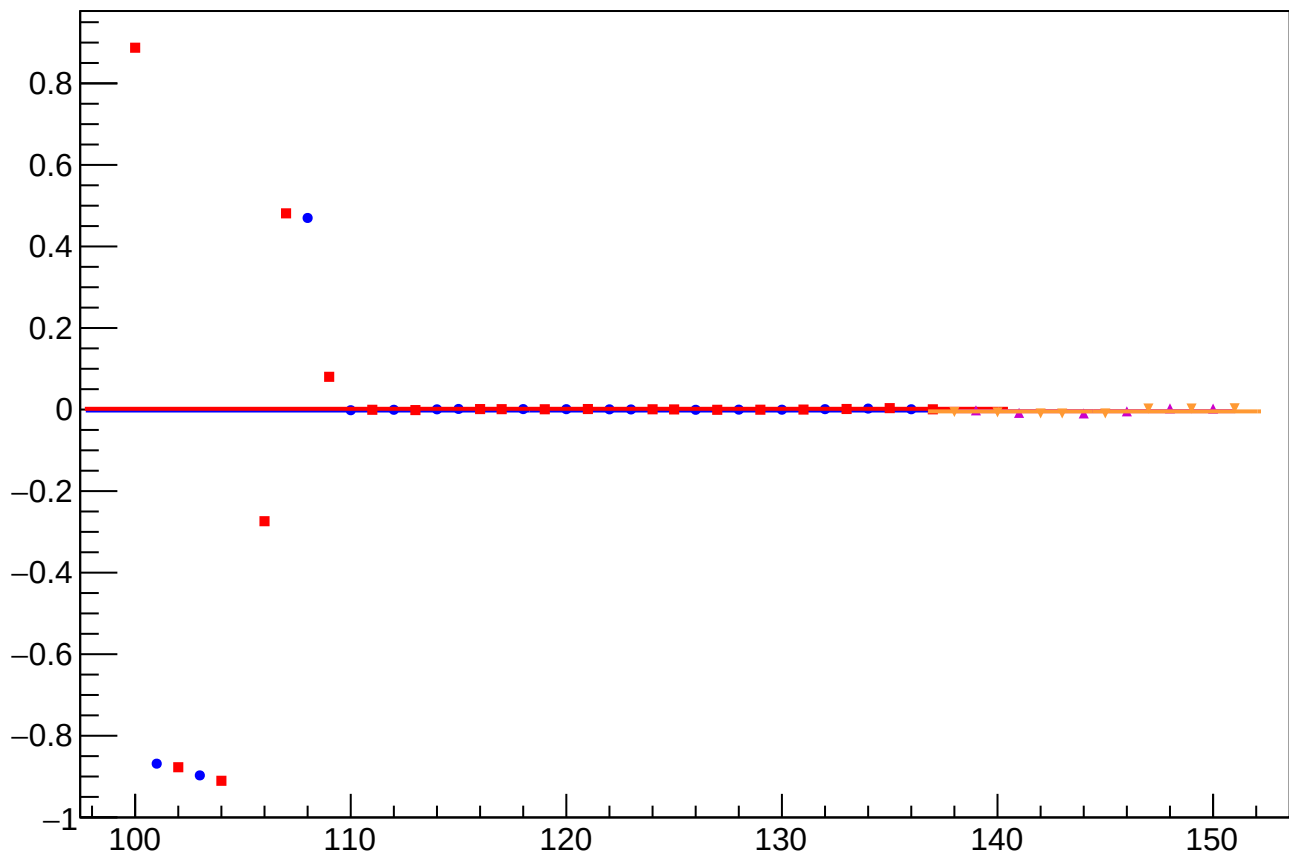
Left In: 0.010+/-0.000 χ^2/NDF : 519693.9/5

0.000+/-0.000 χ^2/NDF : 18954856.6/24

0.000+/-0.000 χ^2/NDF : 36760349.5/50

0.000+/-0.000 χ^2/NDF : 17804929.0/25

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.002 $\pm$ 0.000 χ^2 /NDF: 9794863405.3/16

Left Out: -0.005 $\pm$ 0.000 χ^2 /NDF: 60621884.9/7

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3041323813.4/19

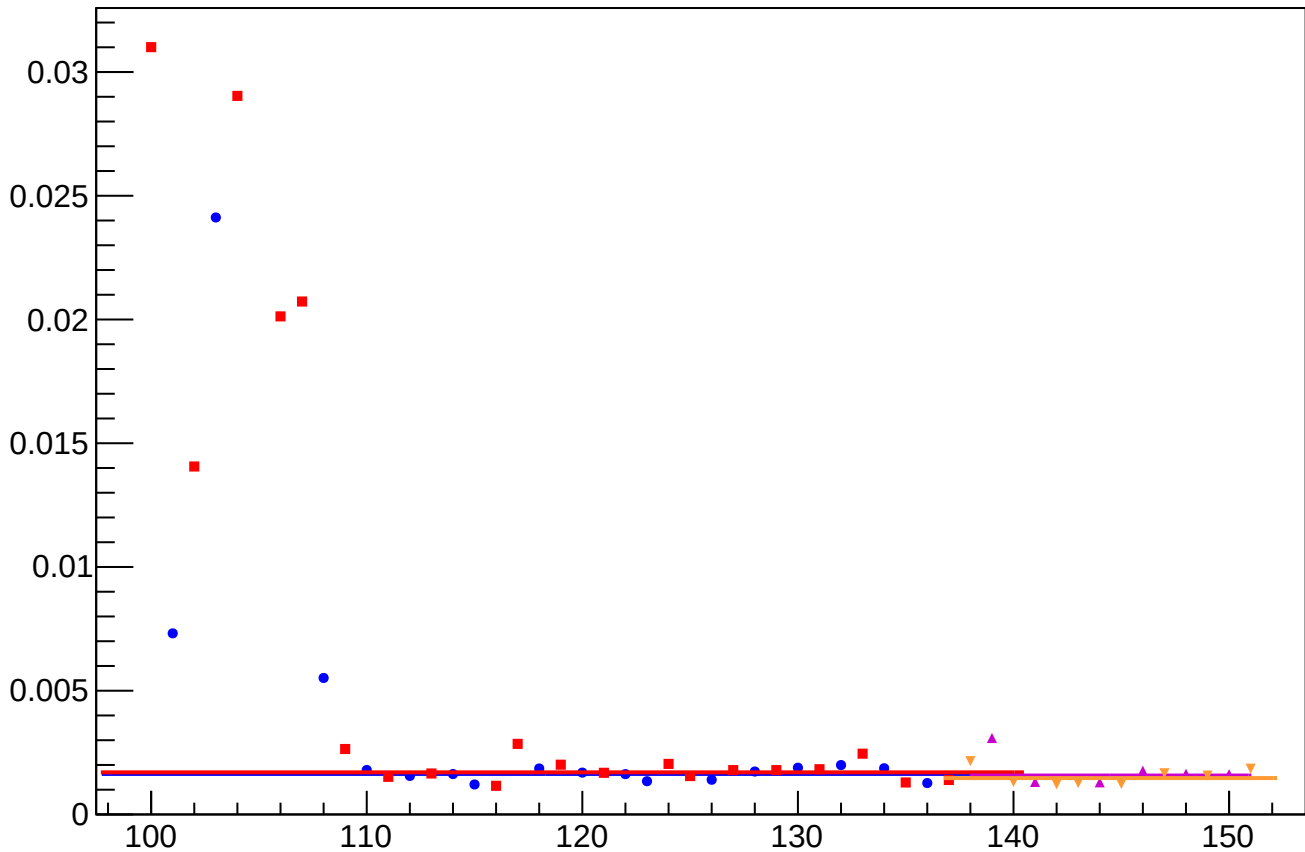
Left In: -0.004 $\pm$ 0.000 χ^2 /NDF: 40101902.8/5

-0.004 $\pm$ 0.000 χ^2 /NDF: 9859696467.1/24

-0.002 $\pm$ 0.000 χ^2 /NDF: 12977149408.9/5

-0.001 $\pm$ 0.000 χ^2 /NDF: 3106835765.2/25

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1916349.1/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:304904.8/7

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3037006.7/19

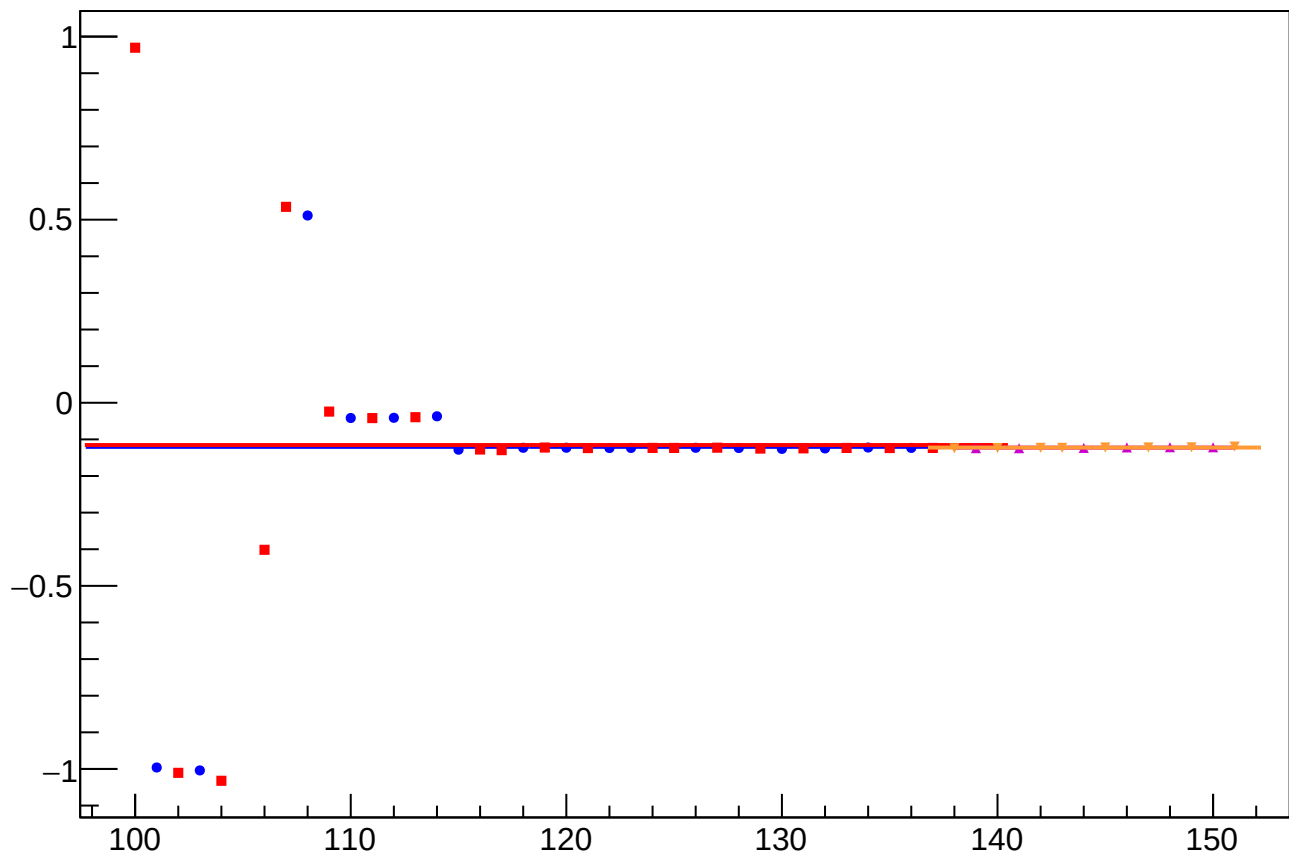
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:468130.9/5

0.002 $\pm$ 0.000 χ^2 /NDF: 2272478.1/24

0.002 $\pm$ 0.000 χ^2 /NDF: 5830701.2/50

0.002 $\pm$ 0.000 χ^2 /NDF: 3530530.8/25

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 : 6342708.5/7

Right Out: -0.115+/-0.000 χ^2/NDF : 2458475073.1/19

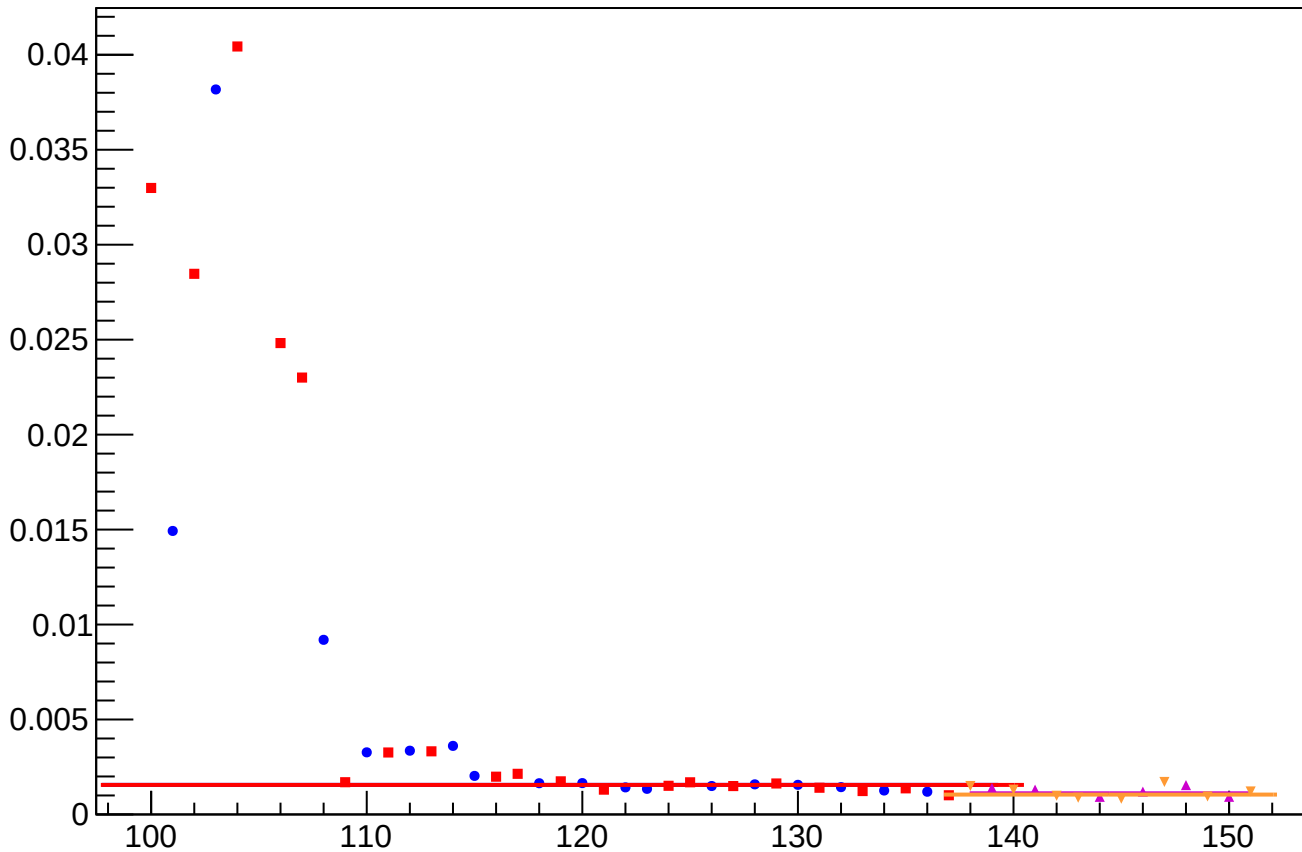
Left In: -0.123+/-0.000 χ^2/NDF : 3738716.7/5

-0.122+/-0.000 χ^2/NDF : 3943894246.4/24

-0.121+/-0.000 χ^2/NDF : 6476402534.3/50

-0.120+/-0.000 χ^2/NDF : 2524278902.4/25

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2901093.3/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 588862.5/7

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3545212.9/19

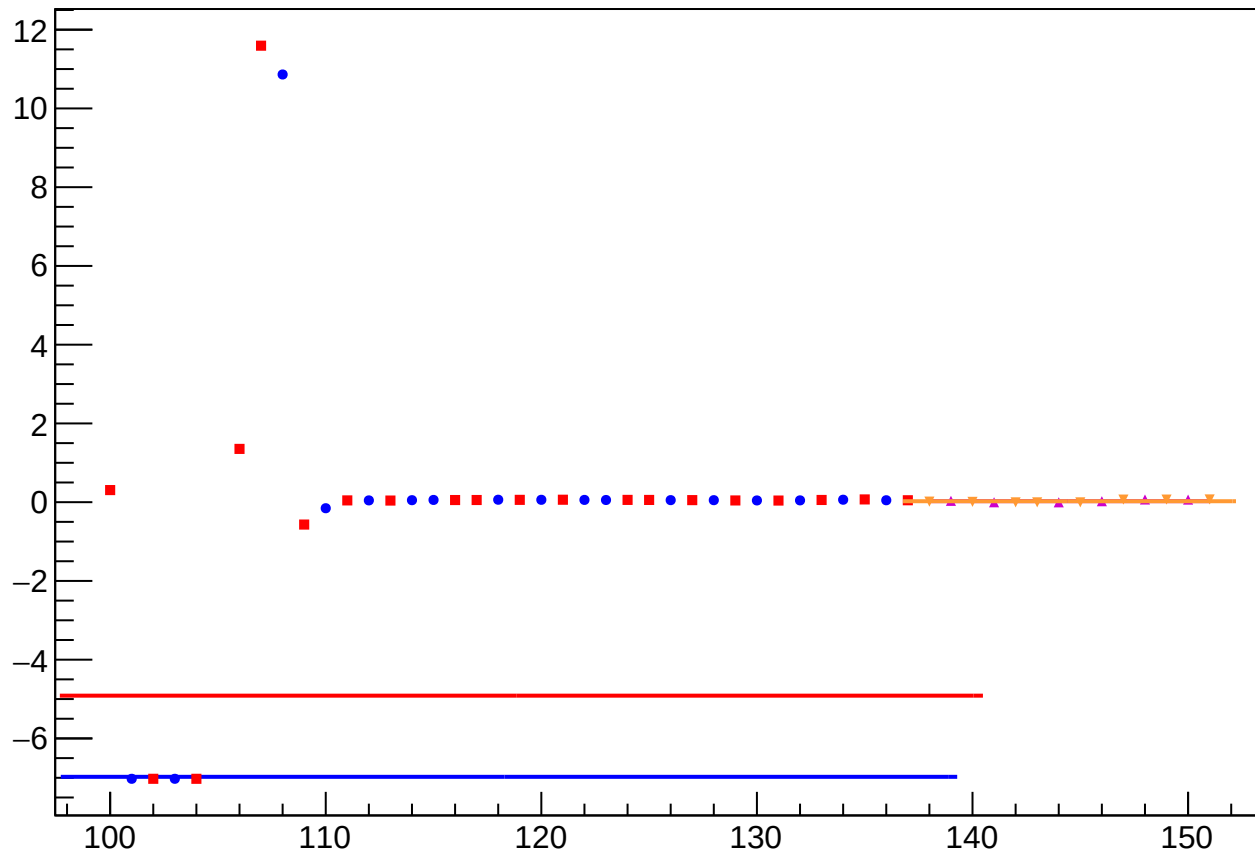
Left In: 0.001 $\pm$ 0.000 χ^2 /NDF: 341215.2/5

0.001 $\pm$ 0.000 χ^2 /NDF: 4186418.6/24

0.001 $\pm$ 0.000 χ^2 /NDF: 8585617.9/50

0.001 $\pm$ 0.000 χ^2 /NDF: 4366124.2/25

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975+/-0.000 χ^2/NDF : 8749579700722.8/16

Left Out: 0.024+/-0.000 χ^2/NDF : 60347437.4/7

Right Out: -4.914+/-0.000 χ^2/NDF : 365362121338855.3/19

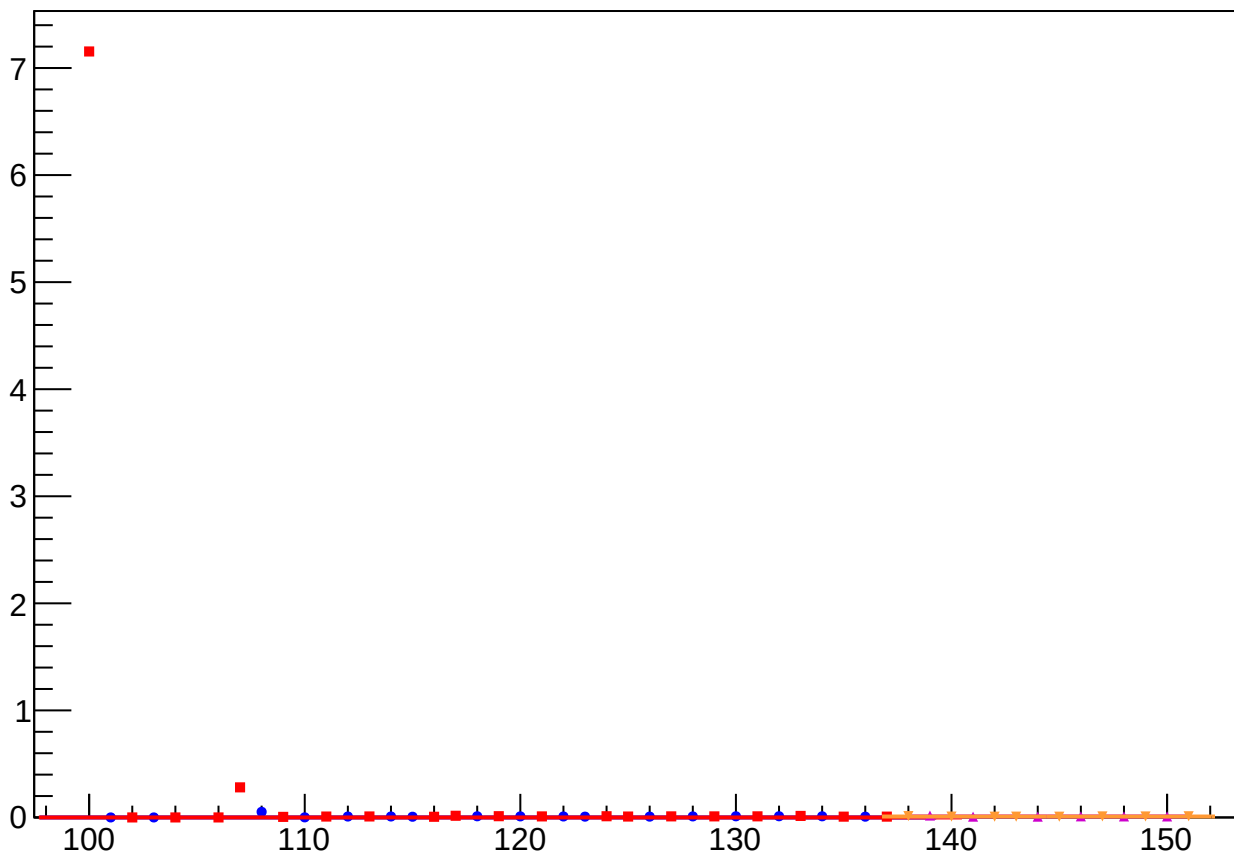
Left In: 0.026+/-0.000 χ^2/NDF : 42946901.1/5

-6.959+/-0.000 χ^2/NDF : 11538157416738.6/24

-5.888+/-0.000 χ^2/NDF : 4338582919174

-4.906+/-0.000 χ^2/NDF : 366437190224594.6/2

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 : 311516.1/7

Right Out: 0.000+/-0.000 χ^2/NDF : 8854773.0/19

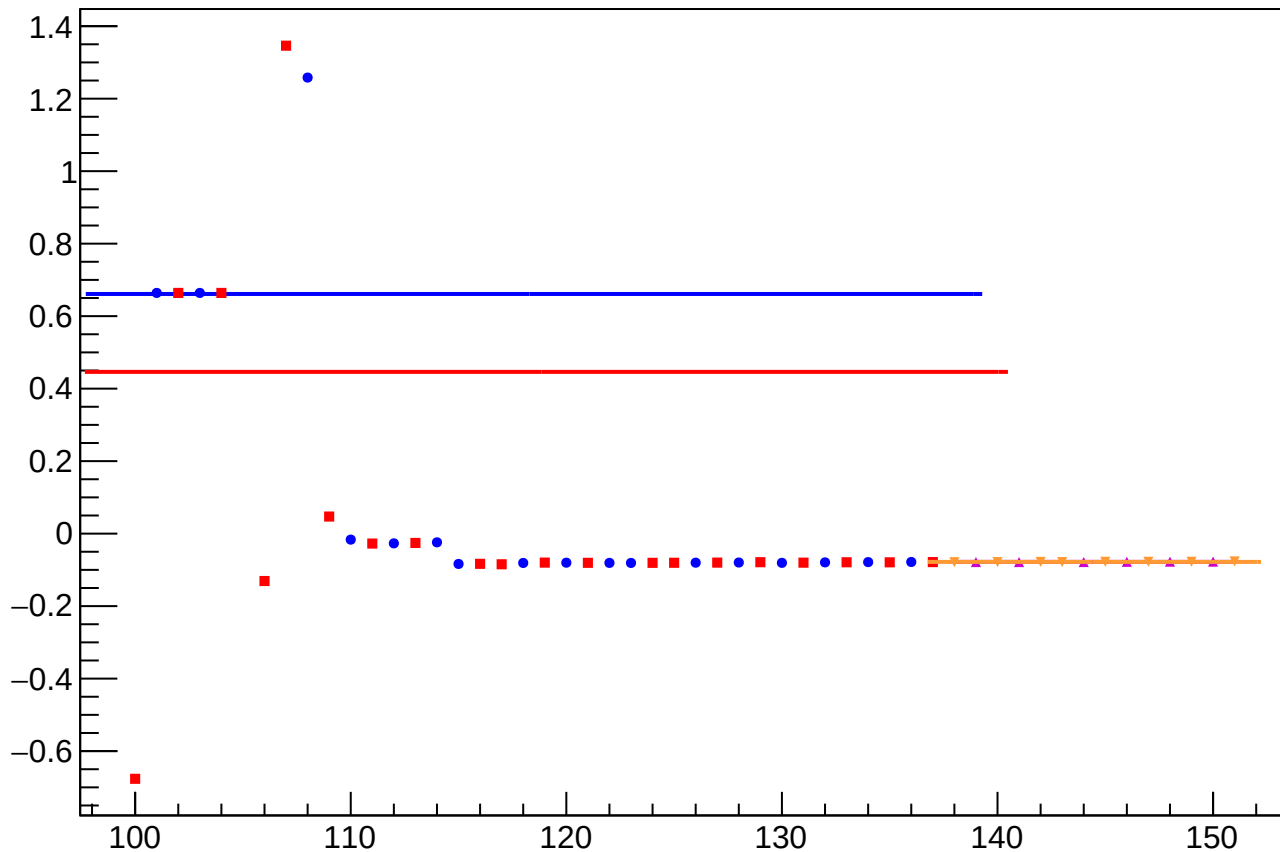
Left In: 0.009+/-0.000 χ^2/NDF : 467770.4/5

0.000+/-0.000 χ^2/NDF : 16772272.4/24

0.000+/-0.000 χ^2/NDF : 33250775.5/50

0.000+/-0.000 χ^2/NDF : 16476838.4/25

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.661+/-0.000 χ^2/NDF : 5607525081216.0/16

Left Out: -0.078+/-0.000 χ^2/NDF : 5989418.5/7

Right Out: 0.446+/-0.000 χ^2/NDF : 405423069582977.9/19

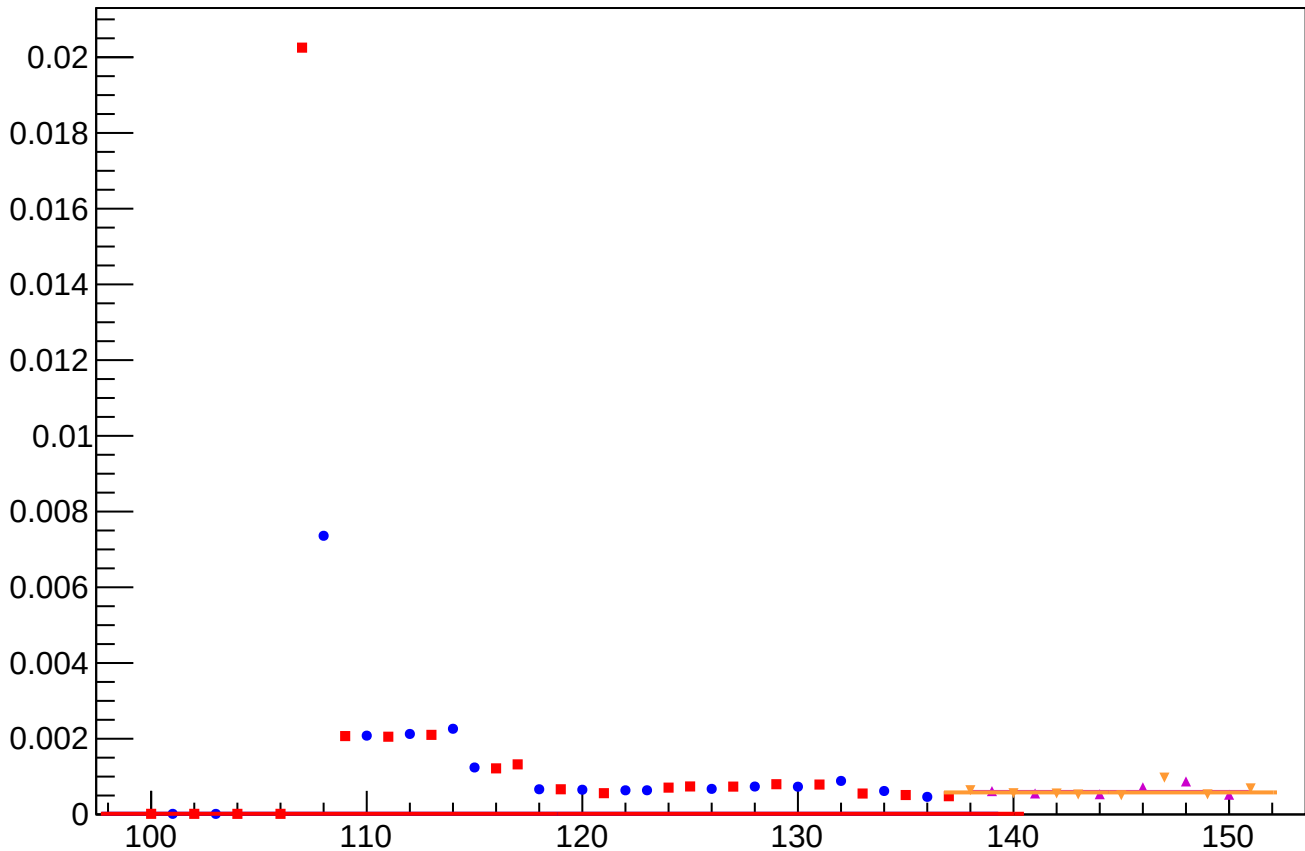
Left In: -0.078+/-0.000 χ^2/NDF : 3810752.1/5

0.657+/-0.000 χ^2/NDF : 14091115716371.9/24

0.546+/-0.000 χ^2/NDF : 48510914807848

0.444+/-0.000 χ^2/NDF : 408955397582678.9/25

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 : 352881.9/7

Right Out: 0.000+/-0.000 χ^2/NDF : 9555089.8/19

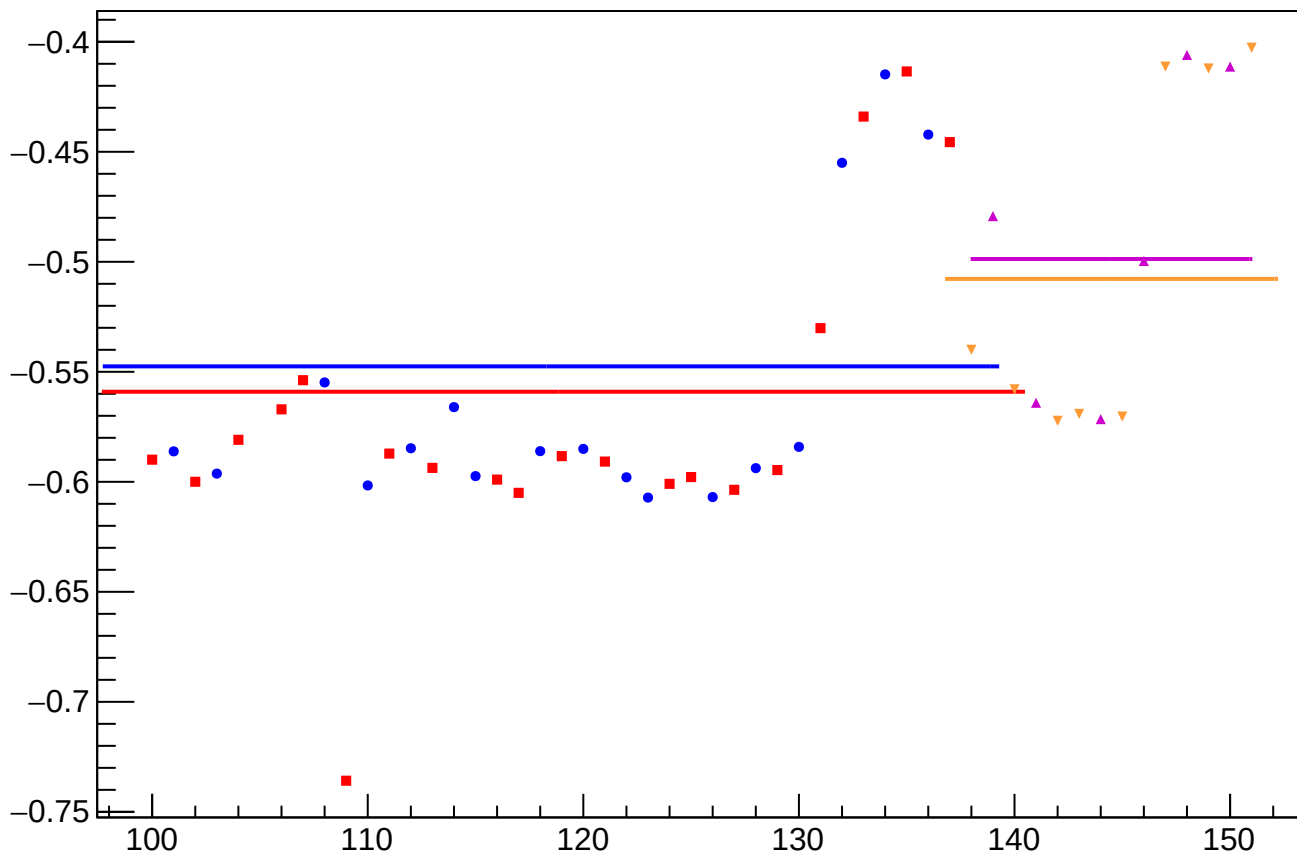
Left In: 0.001+/-0.000 χ^2/NDF : 262688.2/5

0.000+/-0.000 χ^2/NDF : 20094250.7/24

0.000+/-0.000 χ^2/NDF : 38443364.4/50

0.000+/-0.000 χ^2/NDF : 18347333.0/25

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.548+/-0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.508+/-0.000 χ^2/NDF : 65233408.6/7

Right Out: -0.559+/-0.000 χ^2/NDF : 65389755.0/19

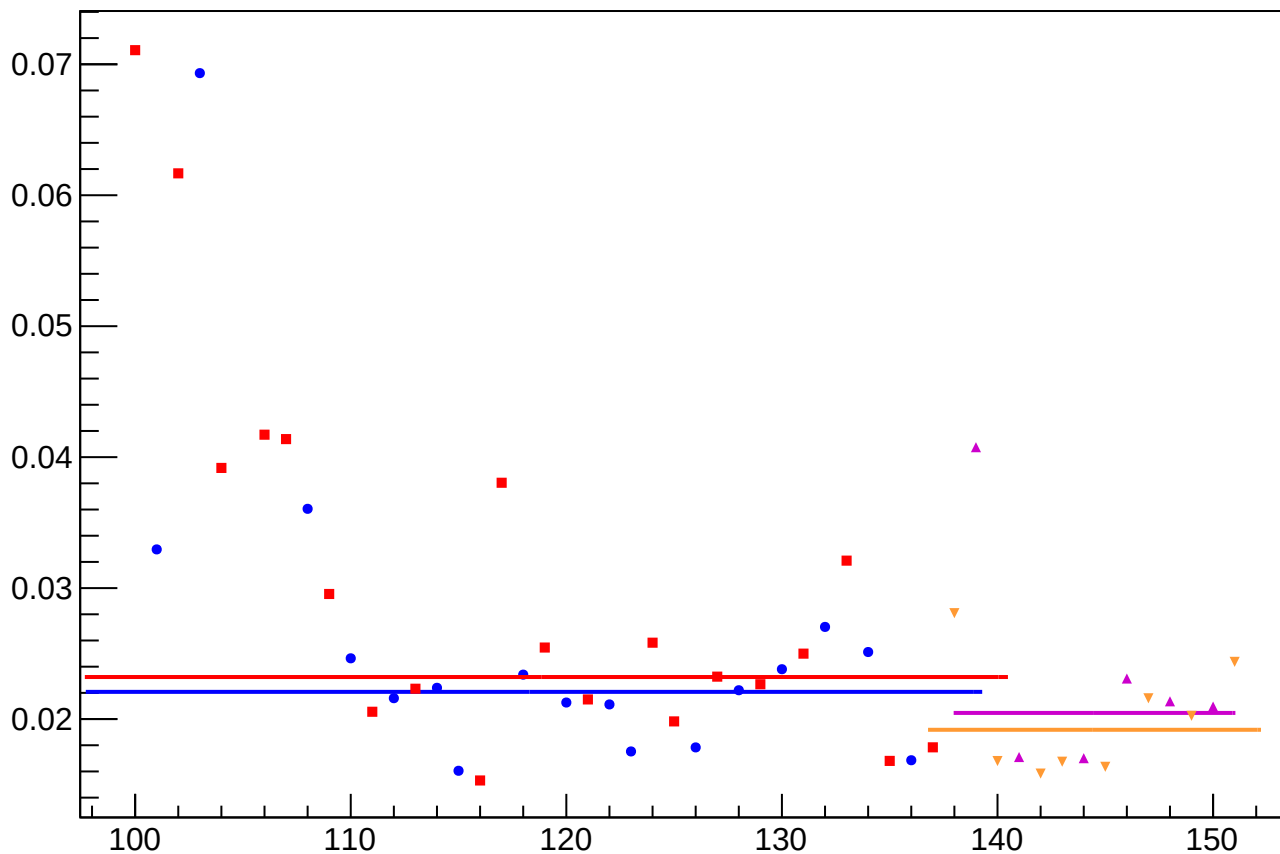
Left In: -0.499+/-0.000 χ^2/NDF : 45033698.0/5

-0.527+/-0.000 χ^2/NDF : 122425848.3/24

-0.528+/-0.000 χ^2/NDF : 250078244.3/50

-0.531+/-0.000 χ^2/NDF : 127483803.9/25

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022 $\pm$ 0.000 χ^2/NDF : 954779.5/16

Left Out: 0.019 $\pm$ 0.000 χ^2/NDF : 299720.3/7

Right Out: 0.023 $\pm$ 0.000 χ^2/NDF : 1169013.8/19

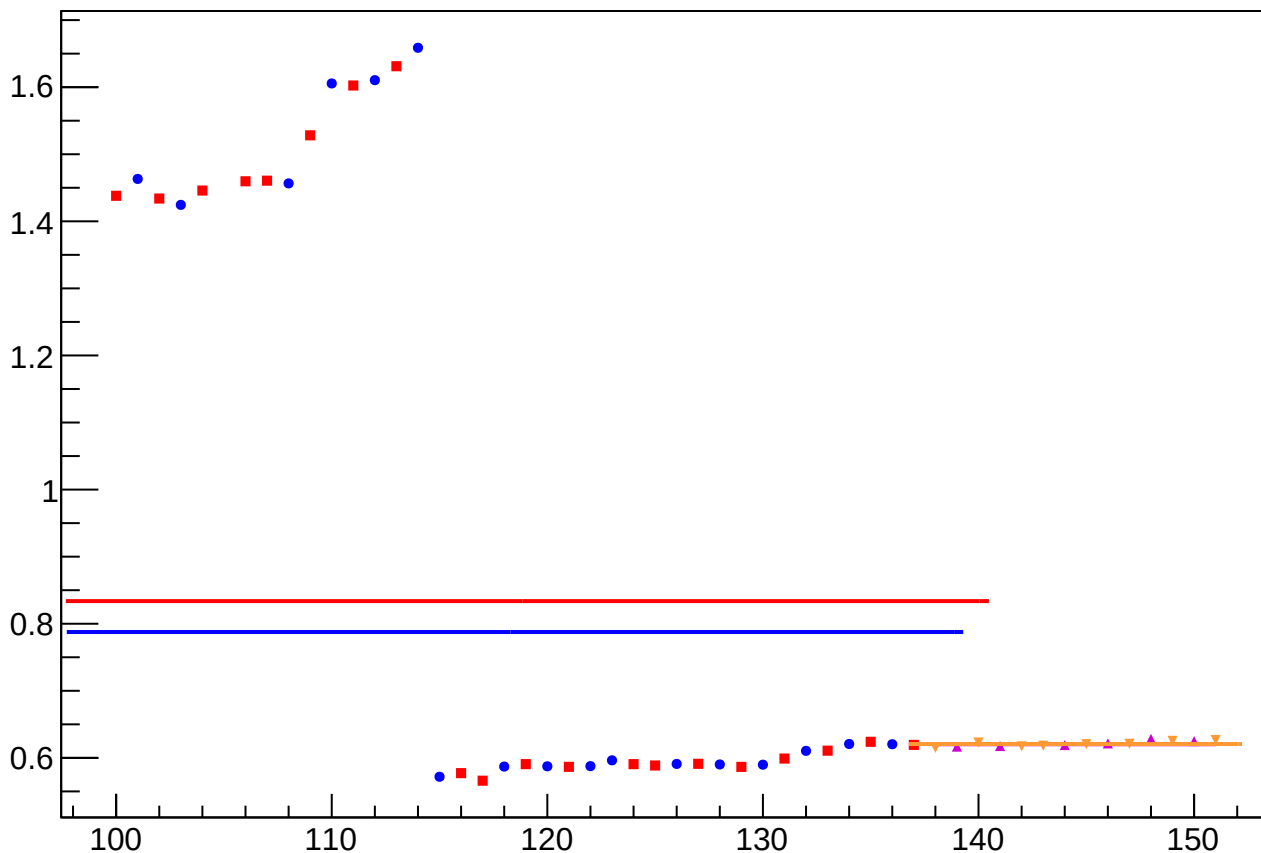
Left In: 0.020 $\pm$ 0.000 χ^2/NDF : 473437.2/5

0.021 $\pm$ 0.000 χ^2/NDF : 1346246.4/24

0.021 $\pm$ 0.000 χ^2/NDF : 3097247.8/50

0.022 $\pm$ 0.000 χ^2/NDF : 1712937.2/25

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.788 $\pm$ 0.000 χ^2/NDF : 3581400502.4/16

Left Out: 0.621 $\pm$ 0.000 χ^2/NDF : 452675.0/7

Right Out: 0.834 $\pm$ 0.000 χ^2/NDF : 4155673215.9/19

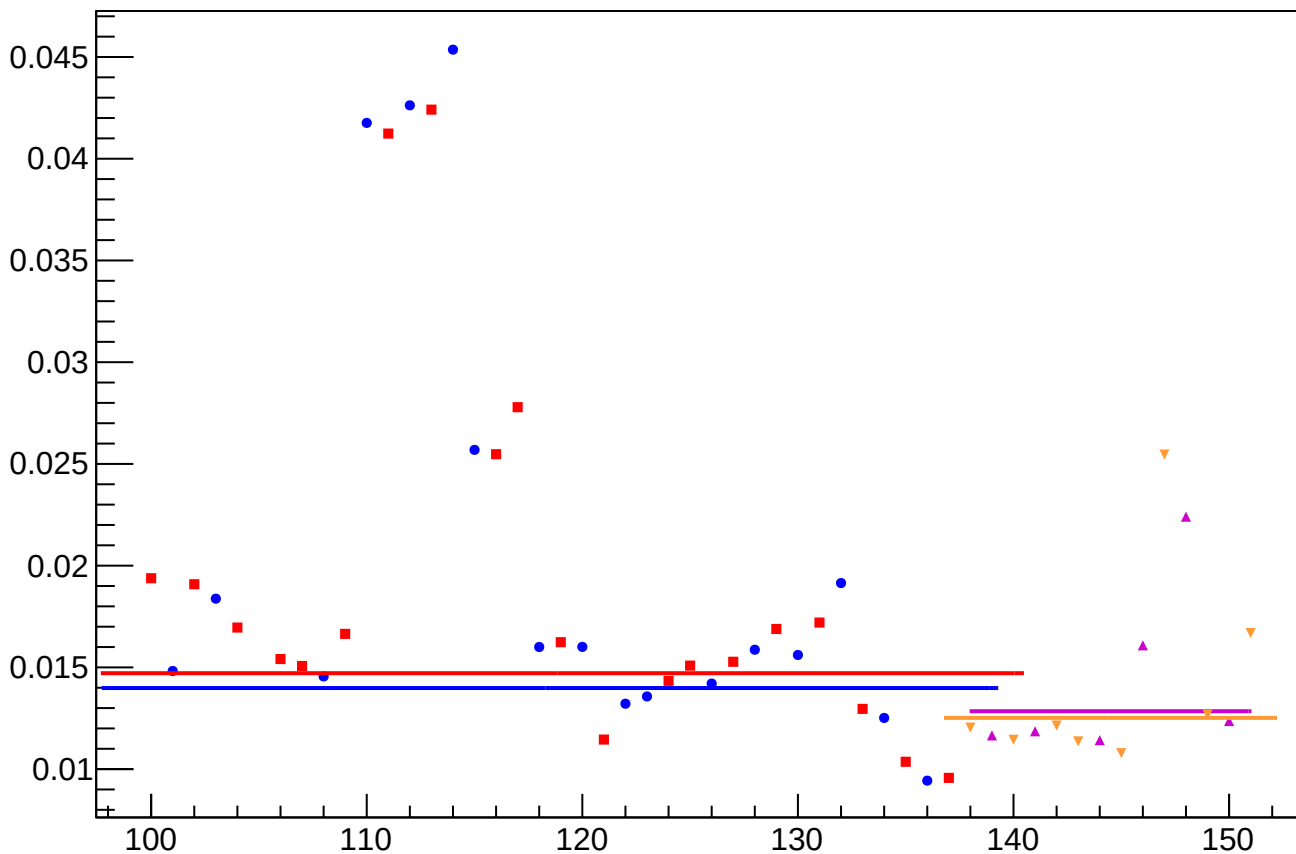
Left In: 0.620 $\pm$ 0.000 χ^2/NDF : 338447.4/5

0.698 $\pm$ 0.000 χ^2/NDF : 4012549423.8/24

0.712 $\pm$ 0.000 χ^2/NDF : 8823406041.9/50

0.728 $\pm$ 0.000 χ^2/NDF : 4784033923.3/25

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1398505.7/16

Left Out: 0.013+/-0.000 χ^2/NDF : 541250.7/7

Right Out: 0.015+/-0.000 χ^2/NDF : 1275472.3/19

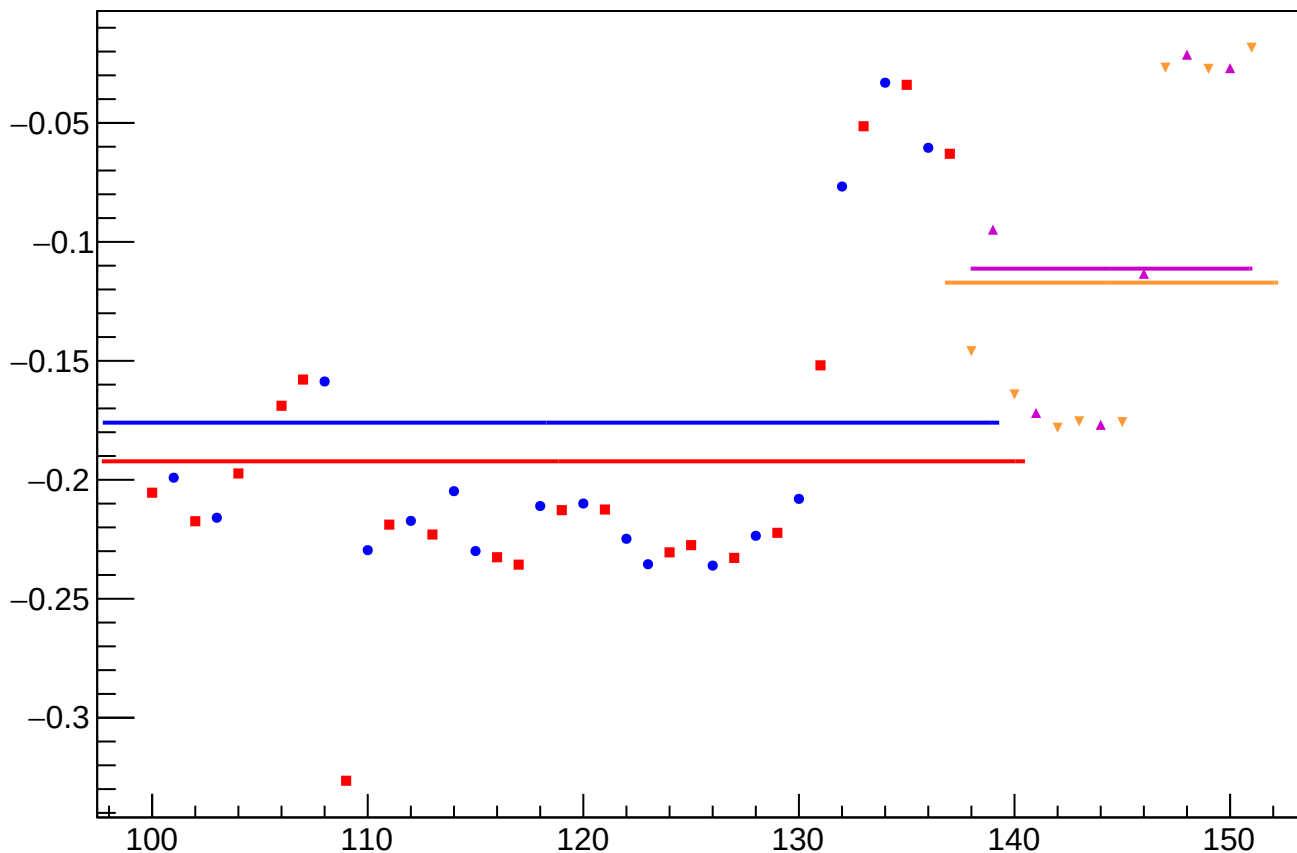
Left In: 0.013+/-0.000 χ^2/NDF : 389828.9/5

0.013+/-0.000 χ^2/NDF : 2006204.2/24

0.013+/-0.000 χ^2/NDF : 3788394.1/50

0.014+/-0.000 χ^2/NDF : 1761609.6/25

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.117+/-0.000 χ^2/NDF : 63392779.3/7

Right Out: -0.192+/-0.000 χ^2/NDF : 83343025.0/19

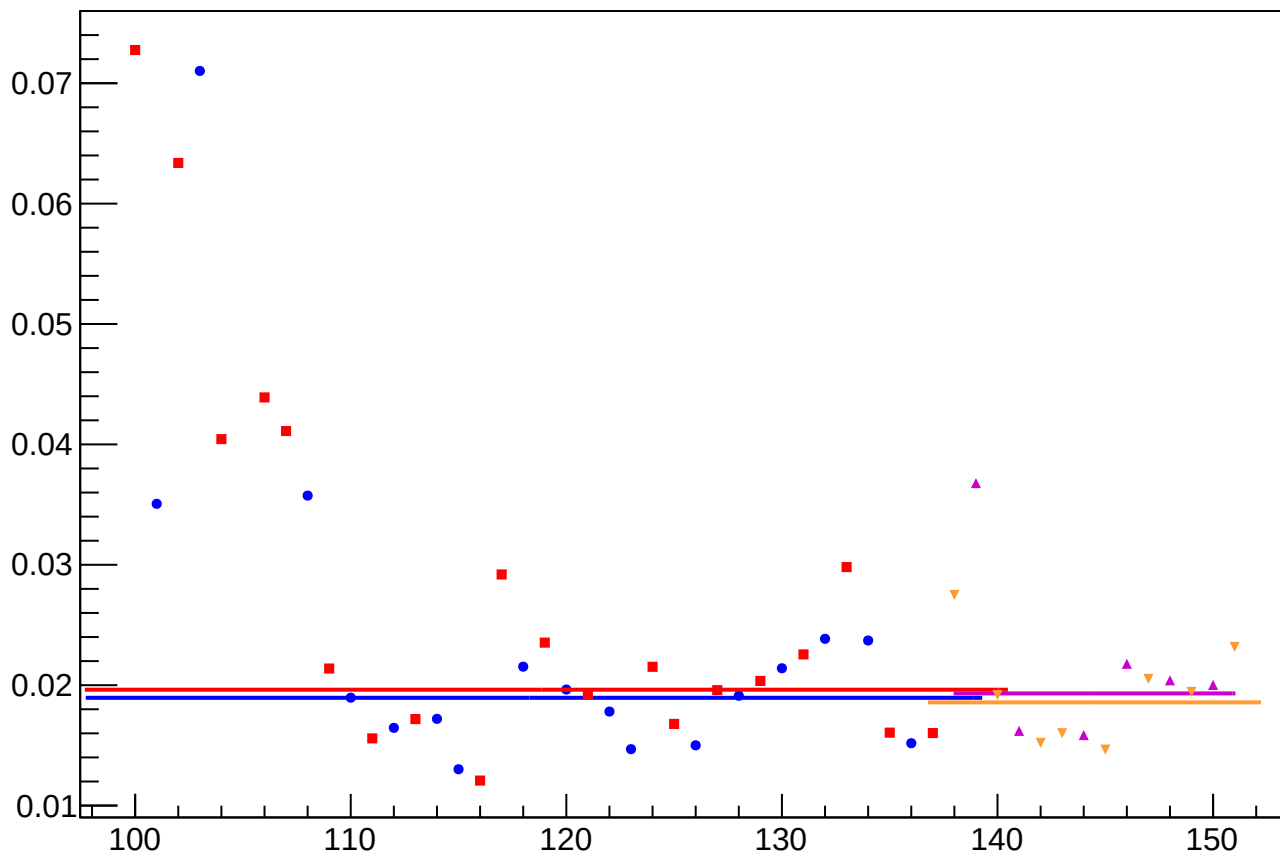
Left In: -0.111+/-0.000 χ^2/NDF : 44923420.3/5

-0.148+/-0.000 χ^2/NDF : 156325411.4/24

-0.153+/-0.000 χ^2/NDF : 323665354.2/50

-0.158+/-0.000 χ^2/NDF : 166118446.0/25

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 : 329699.9/7

Right Out: 0.020+/-0.000 χ^2/NDF : 1463983.0/19

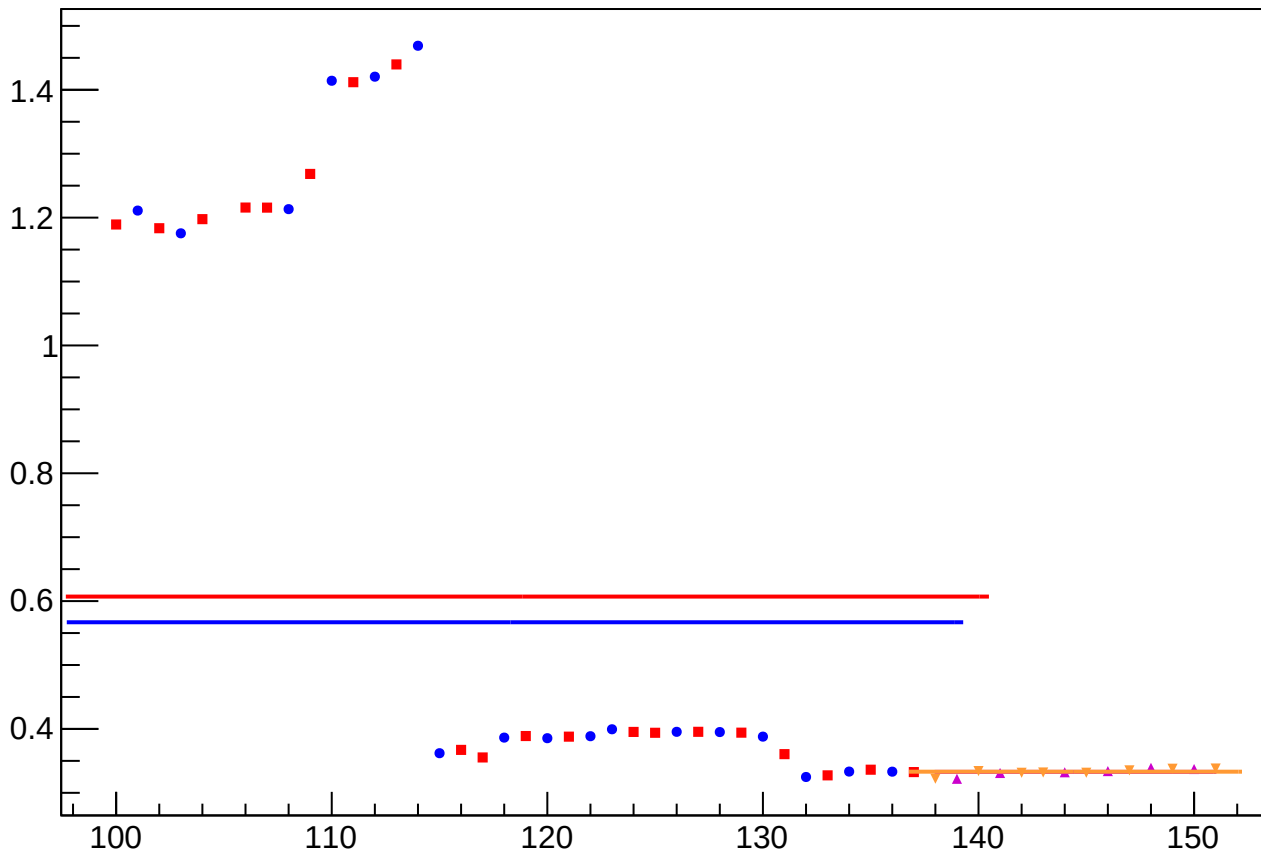
Left In: 0.019+/-0.000 χ^2/NDF : 450304.2/5

0.019+/-0.000 χ^2/NDF : 1534884.2/24

0.019+/-0.000 χ^2/NDF : 3463323.9/50

0.019+/-0.000 χ^2/NDF : 1915391.7/25

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.567 $\pm$ 0.000 χ^2 /NDF: 5016913731.3/16

Left Out: 0.333 $\pm$ 0.000 χ^2 /NDF: 792737.2/7

Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5509130775.3/19

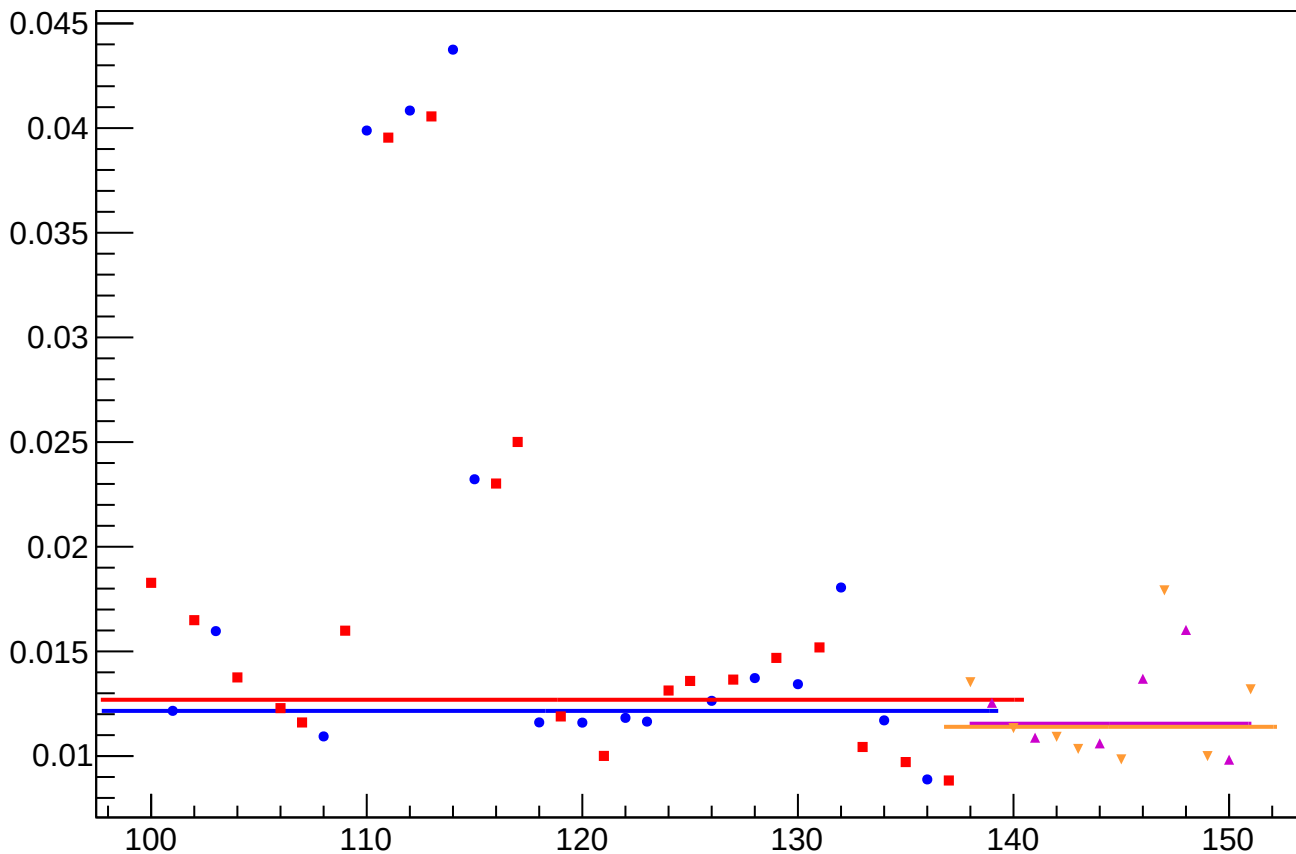
Left In: 0.333 $\pm$ 0.000 χ^2 /NDF: 852146.7/5

0.445 $\pm$ 0.000 χ^2 /NDF: 6093357917.2/24

0.459 $\pm$ 0.000 χ^2 /NDF: 12969639620.1/5

0.475 $\pm$ 0.000 χ^2 /NDF: 6844694531.7/25

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:342661.8/7

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1285911.2/19

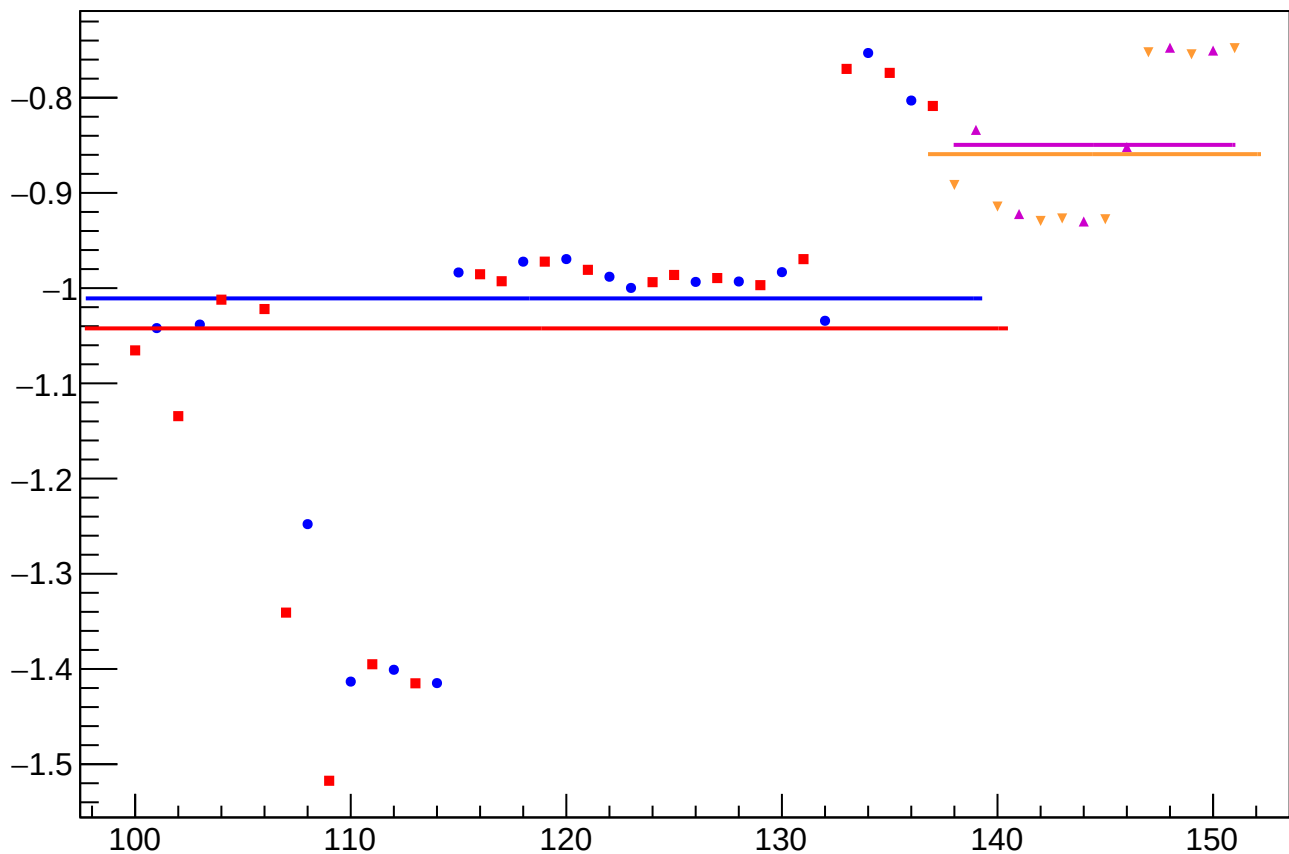
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:236783.9/5

0.012 $\pm$ 0.000 χ^2 /NDF: 1673380.2/24

0.012 $\pm$ 0.000 χ^2 /NDF: 3253006.3/50

0.012 $\pm$ 0.000 χ^2 /NDF: 1569135.4/25

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.011 $\pm$ 0.000 χ^2 /NDF: 387140230.3/16

Left Out: -0.859 $\pm$ 0.000 χ^2 /NDF: 81276660.0/7

Right Out: -1.042 $\pm$ 0.000 χ^2 /NDF: 529028760.6/19

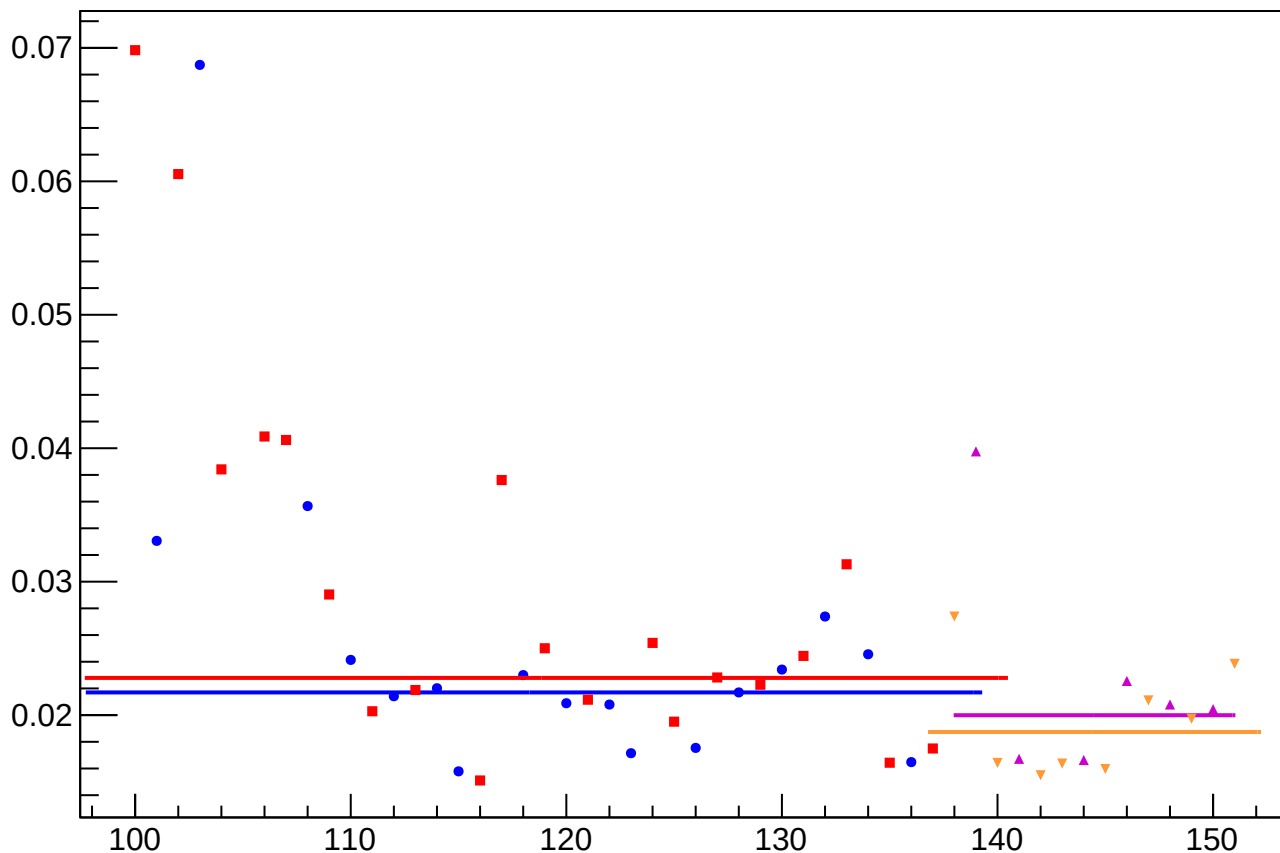
Left In: -0.850 $\pm$ 0.000 χ^2 /NDF: 58472547.7/5

-0.930 $\pm$ 0.000 χ^2 /NDF: 599041450.6/24

-0.940 $\pm$ 0.000 χ^2 /NDF: 1372543482.0/50

-0.951 $\pm$ 0.000 χ^2 /NDF: 769028411.2/25

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 : 299046.8/7

Right Out: 0.023+/-0.000 χ^2/NDF : 1164870.4/19

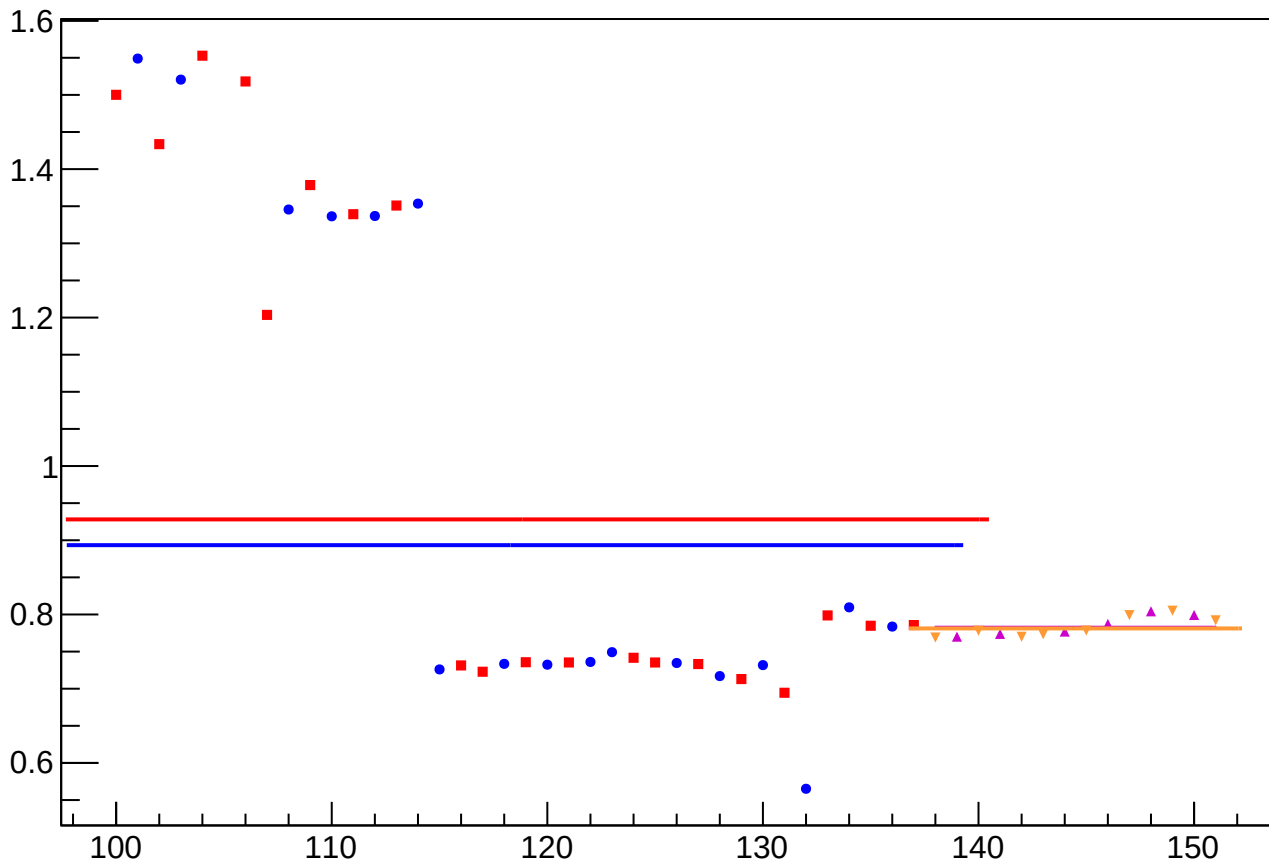
Left In: 0.020+/-0.000 χ^2/NDF : 470871.9/5

0.020+/-0.000 χ^2/NDF : 1378337.8/24

0.021+/-0.000 χ^2/NDF : 3128193.4/50

0.021+/-0.000 χ^2/NDF : 1712100.7/25

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.893+/-0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.781+/-0.000 χ^2/NDF :4955369.6/7

Right Out: 0.928+/-0.000 χ^2/NDF : 2437683008.7/19

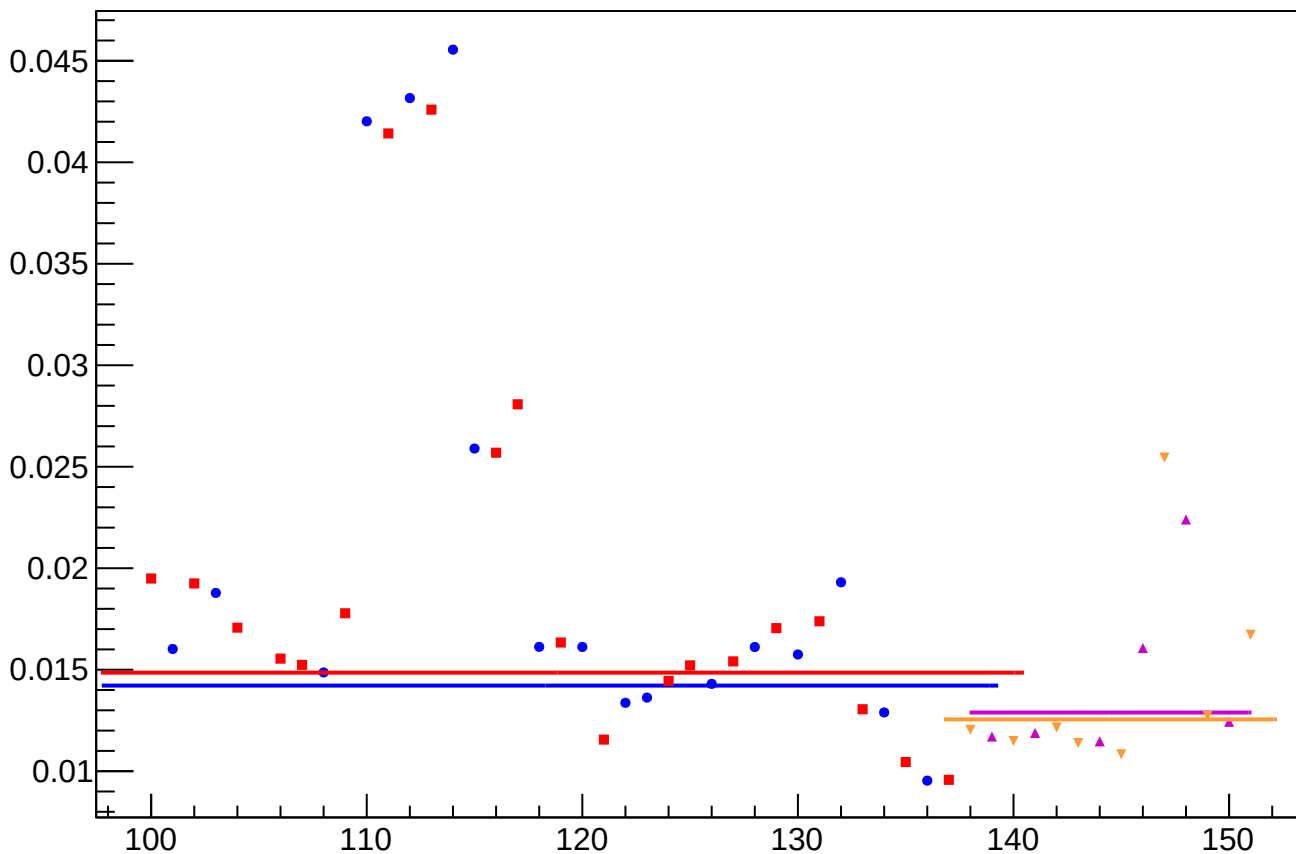
Left In: 0.782+/-0.000 χ^2/NDF :3754895.3/5

0.832+/-0.000 χ^2/NDF : 2602878756.4/24

0.843+/-0.000 χ^2/NDF : 5349150833.5/50

0.855+/-0.000 χ^2/NDF : 2730909370.4/25

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 : 537610.5/7

Right Out: 0.015+/-0.000 χ^2/NDF : 1286513.9/19

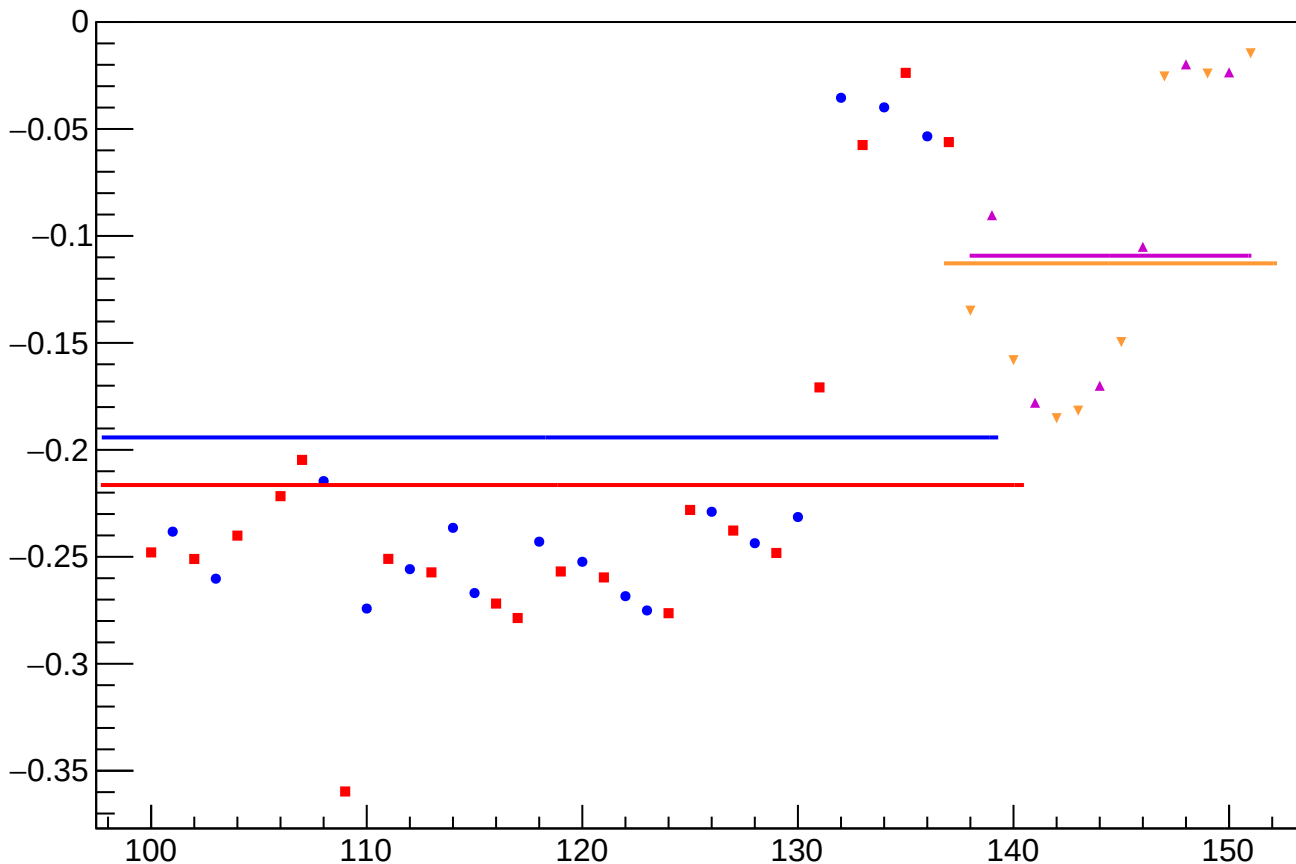
Left In: 0.013+/-0.000 χ^2/NDF : 384557.7/5

0.013+/-0.000 χ^2/NDF : 2030841.2/24

0.014+/-0.000 χ^2/NDF : 3825235.6/50

0.014+/-0.000 χ^2/NDF : 1775949.9/25

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.194+/-0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.113+/-0.000 χ^2/NDF : 60408748.6/7

Right Out: -0.216+/-0.000 χ^2/NDF : 111217219.2/19

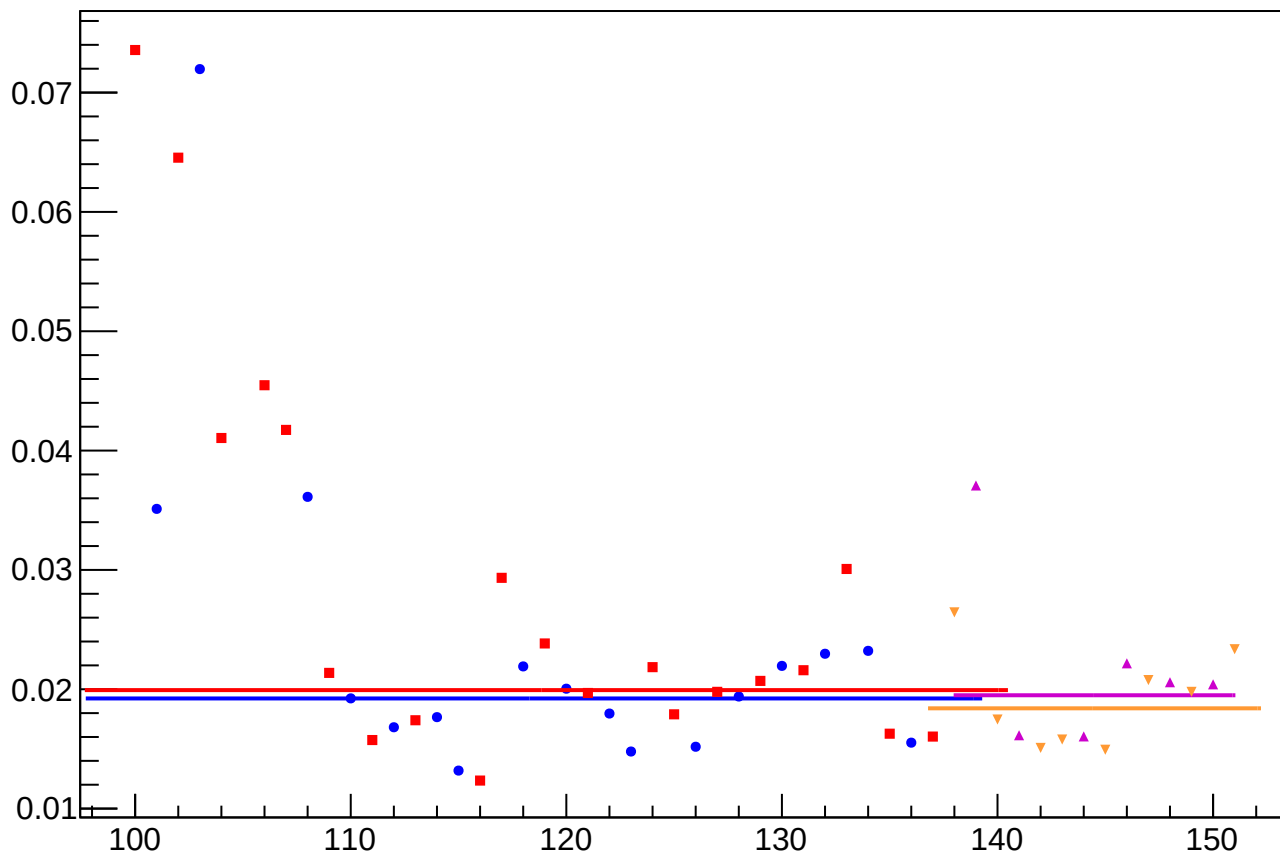
Left In: -0.109+/-0.000 χ^2/NDF : 45242426.2/5

-0.155+/-0.000 χ^2/NDF : 212057126.1/24

-0.162+/-0.000 χ^2/NDF : 436303309.7/50

-0.170+/-0.000 χ^2/NDF : 221166820.7/25

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1174577.3/16

Left Out: 0.018+/-0.000 χ^2/NDF : 312442.5/7

Right Out: 0.020+/-0.000 χ^2/NDF : 1452730.4/19

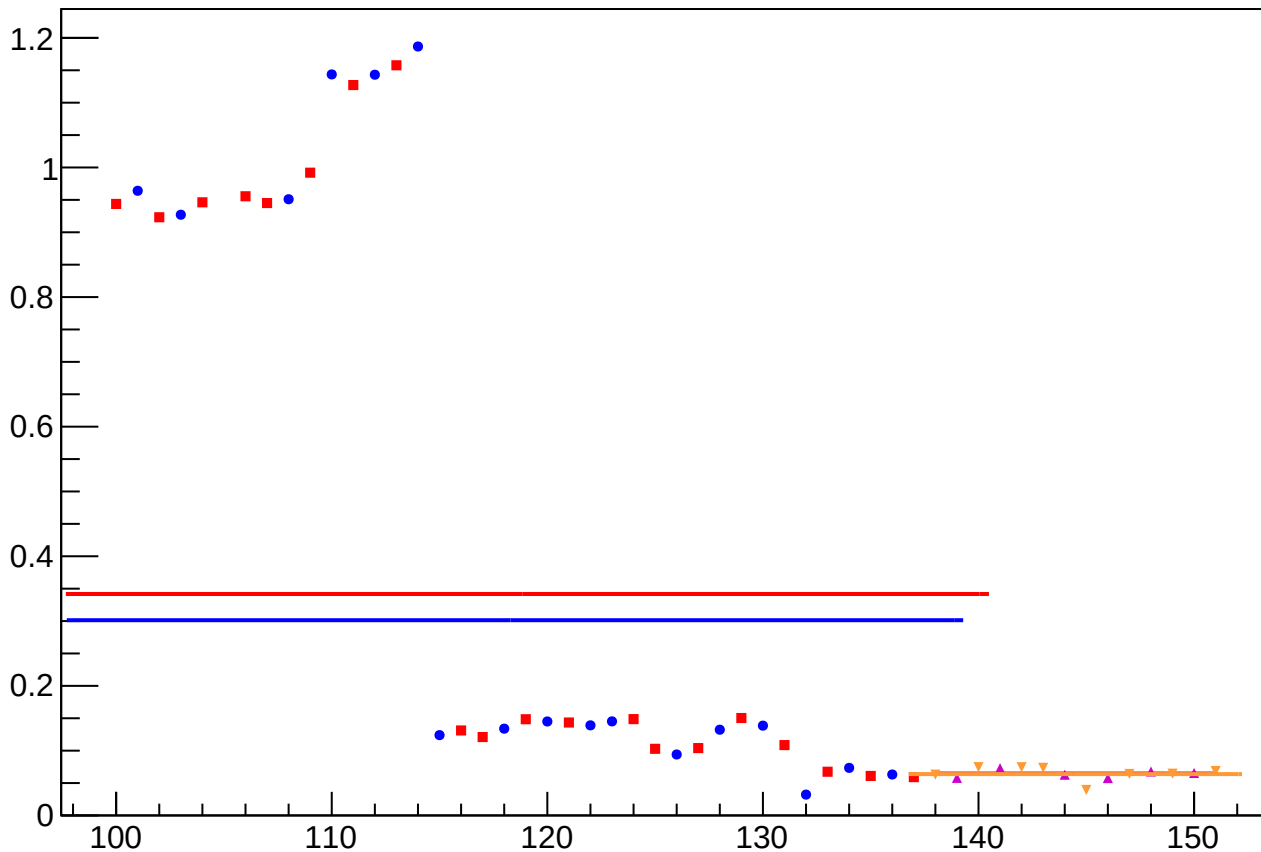
Left In: 0.019+/-0.000 χ^2/NDF : 457910.1/5

0.019+/-0.000 χ^2/NDF : 1495951.2/24

0.019+/-0.000 χ^2/NDF : 3429248.4/50

0.020+/-0.000 χ^2/NDF : 1912734.2/25

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.301 $\pm$ 0.000 χ^2 /NDF: 5154791073.8/16

Left Out: 0.064 $\pm$ 0.000 χ^2 /NDF: 6422518.3/7

Right Out: 0.342 $\pm$ 0.000 χ^2 /NDF: 5445885893.4/19

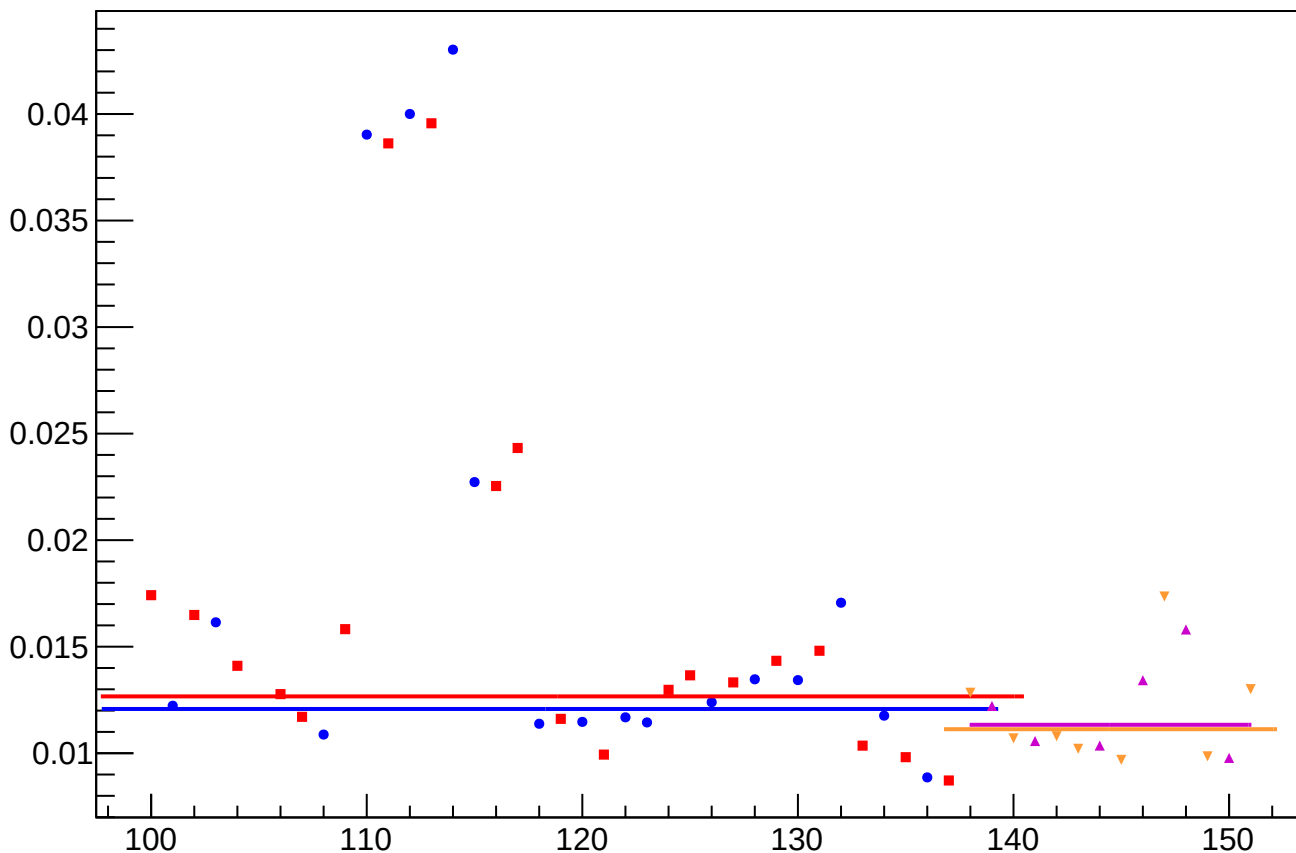
Left In: 0.065 $\pm$ 0.000 χ^2 /NDF: 960847.2/5

0.176 $\pm$ 0.000 χ^2 /NDF: 6305929275.8/24

0.190 $\pm$ 0.000 χ^2 /NDF: 13177145284.2/5

0.206 $\pm$ 0.000 χ^2 /NDF: 6837445722.1/25

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: 320658.4/7

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1253755.7/19

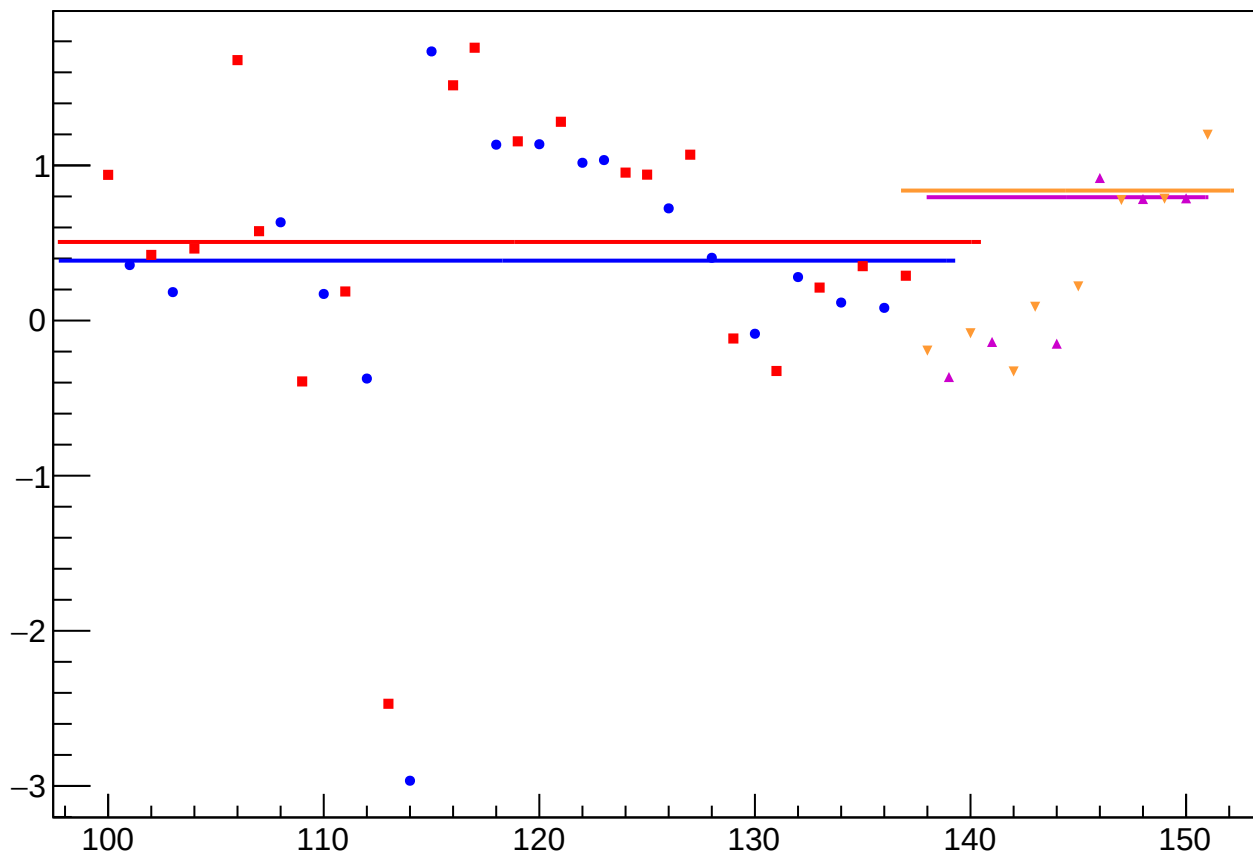
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 232879.7/5

0.012 $\pm$ 0.000 χ^2 /NDF: 1637589.0/24

0.012 $\pm$ 0.000 χ^2 /NDF: 3203232.9/50

0.012 $\pm$ 0.000 χ^2 /NDF: 1551020.4/25

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.386+/-0.000 χ^2/NDF : 246380221.7/16

Left Out: 0.838+/-0.000 χ^2/NDF : 640335571.4/7

Right Out: 0.507+/-0.000 χ^2/NDF : 995373603.6/19

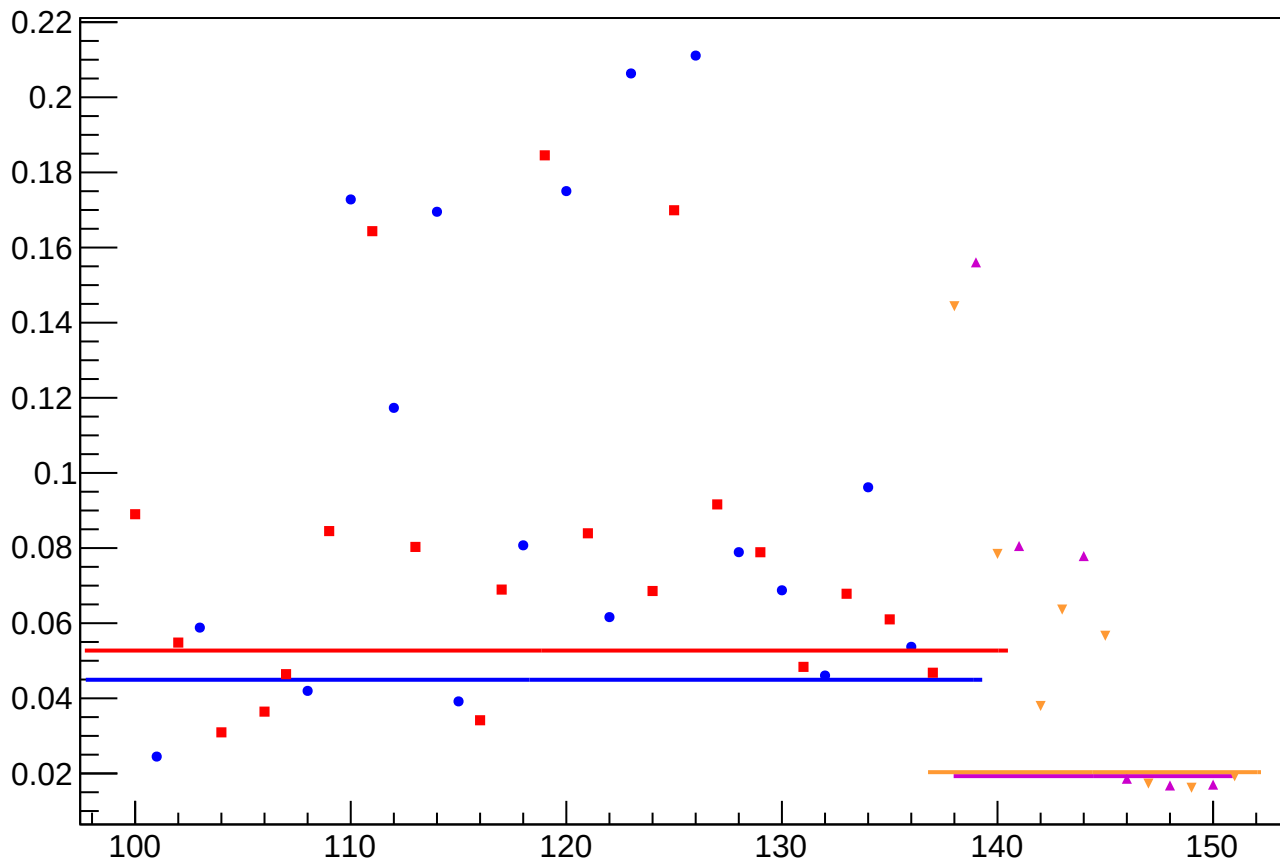
Left In: 0.795+/-0.000 χ^2/NDF : 205861633.0/5

0.752+/-0.000 χ^2/NDF : 1175533722.1/24

0.749+/-0.000 χ^2/NDF : 2479750024.9/50

0.745+/-0.000 χ^2/NDF : 1303976679.2/25

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045+/-0.000 χ^2/NDF : 2788348.6/16

Left Out: 0.020+/-0.000 χ^2/NDF : 2477686.9/7

Right Out: 0.053+/-0.000 χ^2/NDF : 2195781.8/19

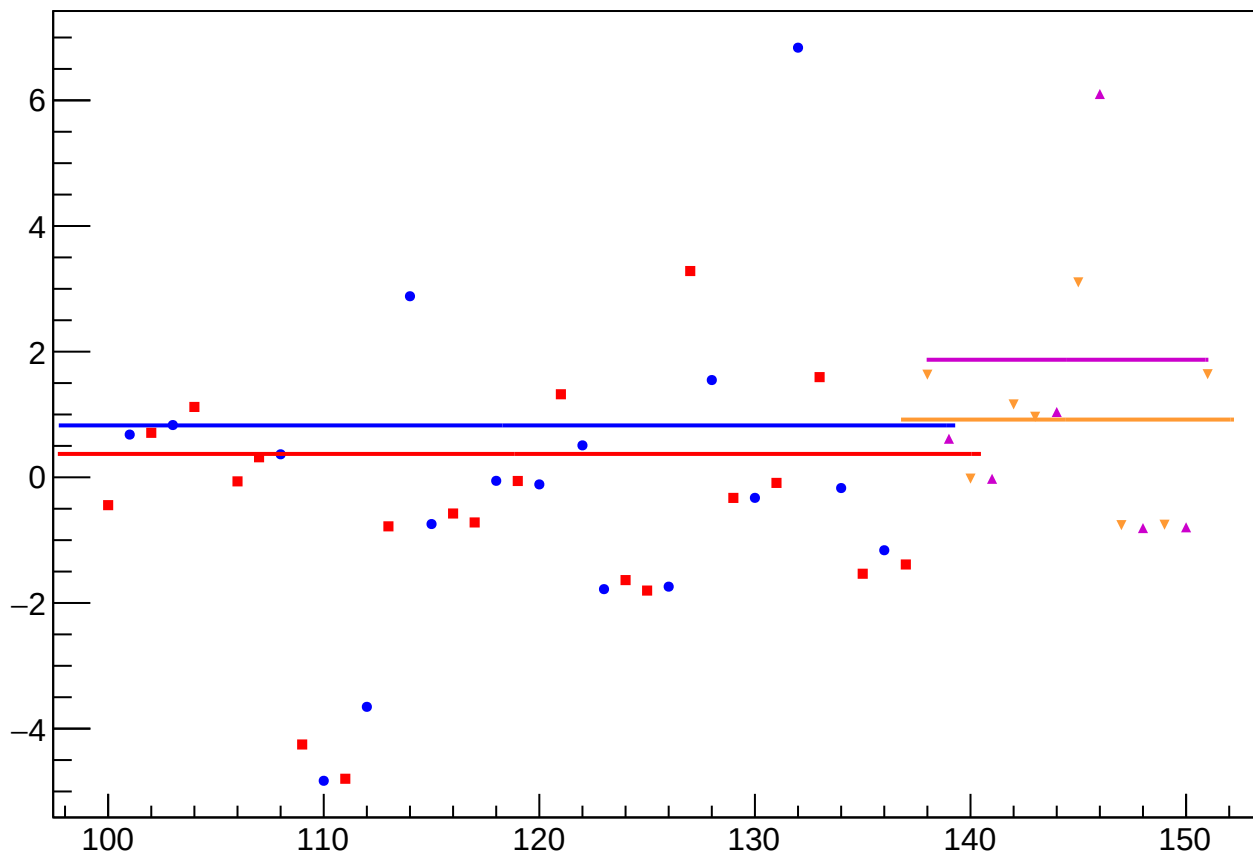
Left In: 0.019+/-0.000 χ^2/NDF : 2189063.4/5

0.025+/-0.000 χ^2/NDF : 6978437.0/24

0.025+/-0.000 χ^2/NDF : 14122830.4/50

0.025+/-0.000 χ^2/NDF : 7144292.2/25

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.826 $\pm$ 0.000 χ^2/NDF : 10945455664.9/16

Left Out: 0.919 $\pm$ 0.000 χ^2/NDF : 26779176788.2/7

Right Out: 0.372 $\pm$ 0.000 χ^2/NDF : 4960201861.0/19

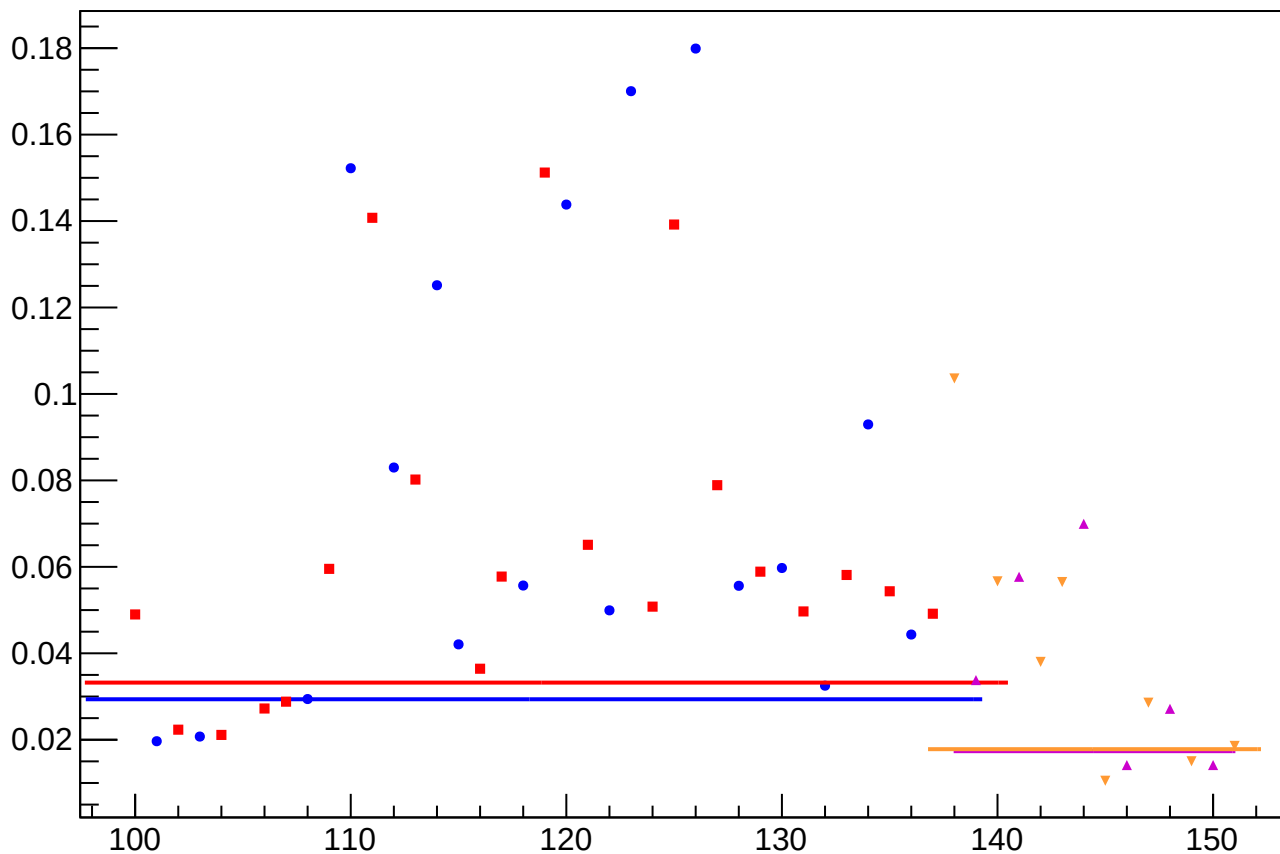
Left In: 1.871 $\pm$ 0.000 χ^2/NDF : 100190304209.2/5

0.892 $\pm$ 0.000 χ^2/NDF : 37748821980.6/24

1.163 $\pm$ 0.000 χ^2/NDF : 150683535160.8/10

1.456 $\pm$ 0.000 χ^2/NDF : 110843810301.2/25

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029 $\pm$ 0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.018 $\pm$ 0.000 χ^2/NDF :2334061.0/7

Right Out: 0.033 $\pm$ 0.000 χ^2/NDF : 3112299.1/19

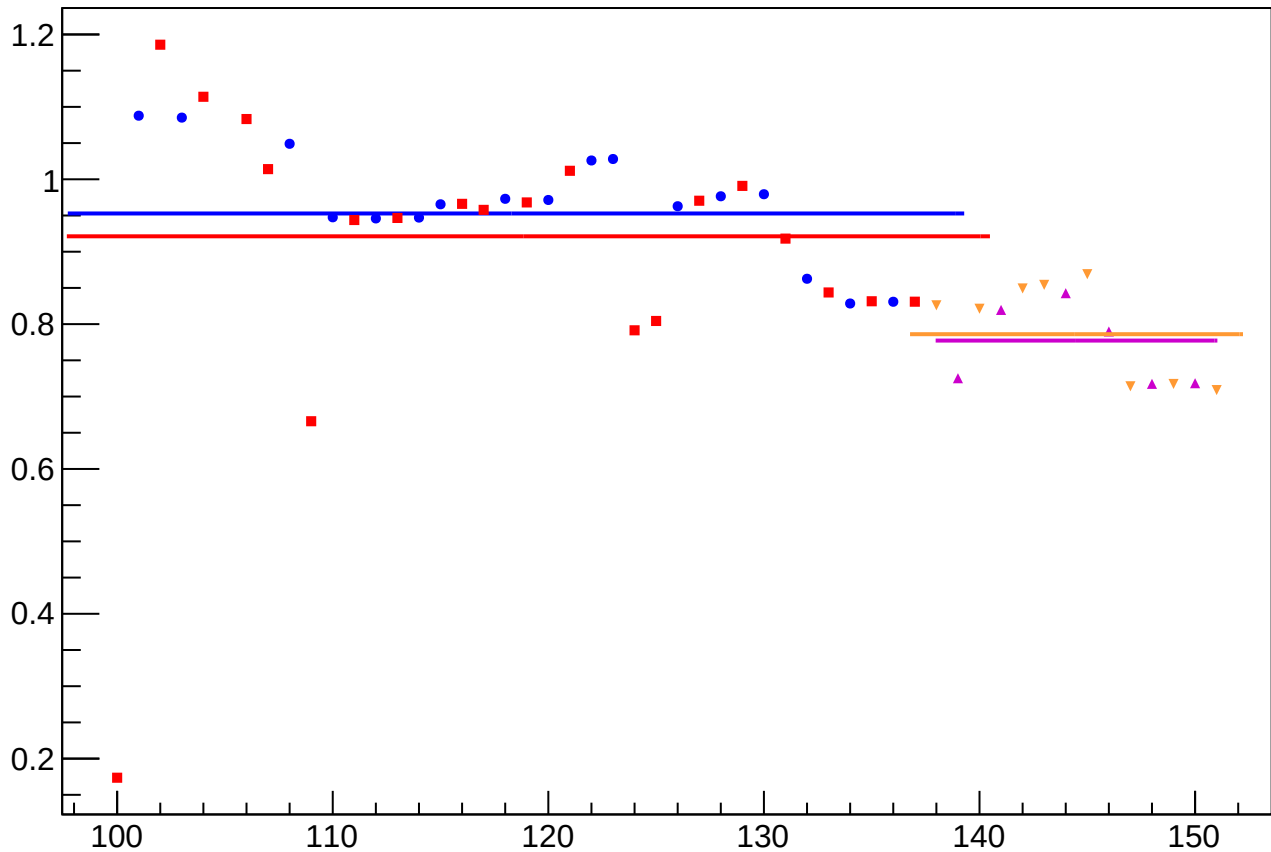
Left In: 0.017 $\pm$ 0.000 χ^2/NDF :1535691.6/5

0.021 $\pm$ 0.000 χ^2/NDF : 6068384.9/24

0.021 $\pm$ 0.000 χ^2/NDF : 11996641.0/50

0.022 $\pm$ 0.000 χ^2/NDF : 5923391.4/25

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.953+/-0.000 χ^2/NDF : 175750243.6/16

Left Out: 0.786+/-0.000 χ^2/NDF : 144223170.8/7

Right Out: 0.921+/-0.000 χ^2/NDF : 374306248.8/19

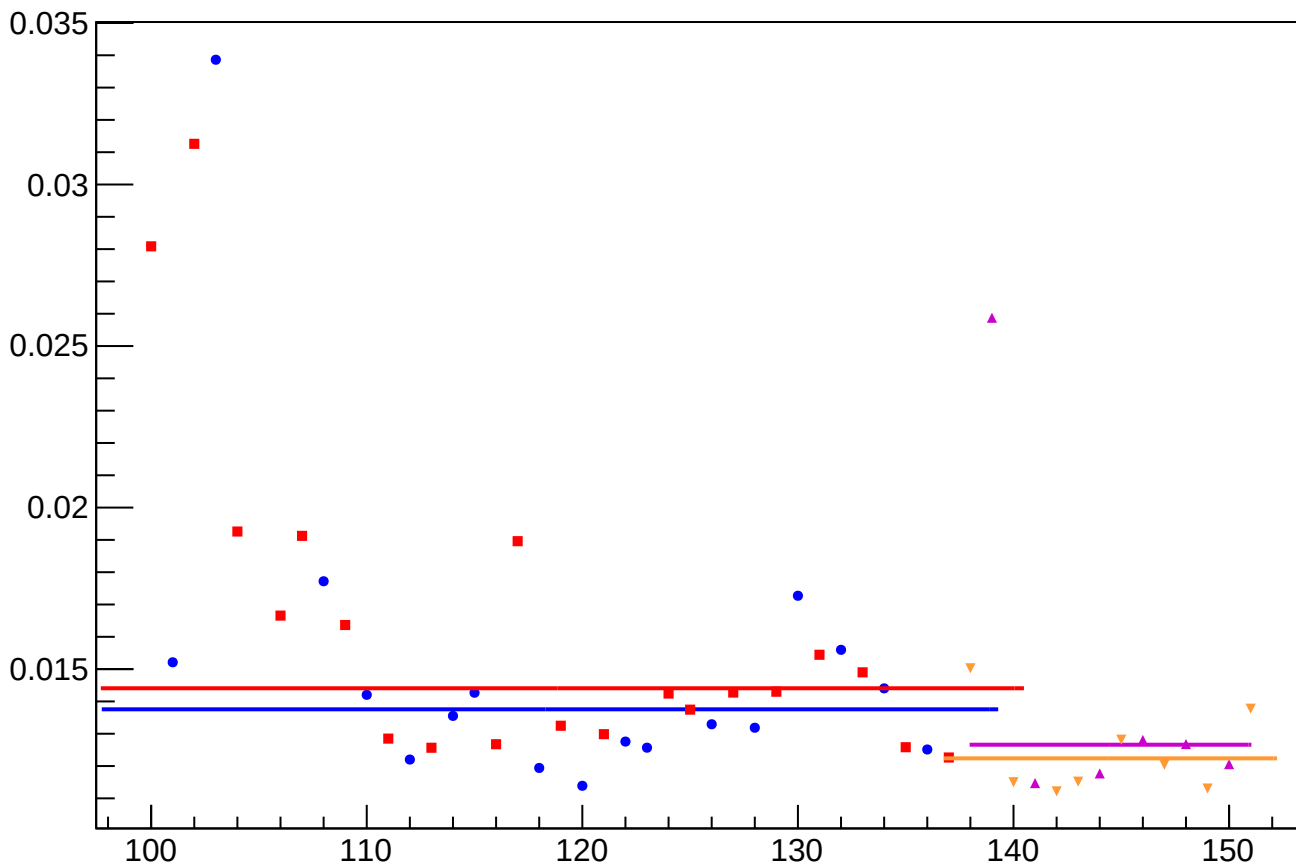
Left In: 0.777+/-0.000 χ^2/NDF : 71694174.0/5

0.866+/-0.000 χ^2/NDF : 758716120.8/24

0.860+/-0.000 χ^2/NDF : 1497776808.2/50

0.853+/-0.000 χ^2/NDF : 734108115.7/25

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 538469.4/16

Left Out: 0.012 $\pm$ 0.000 χ^2/NDF : 87755.7/7

Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 508622.9/19

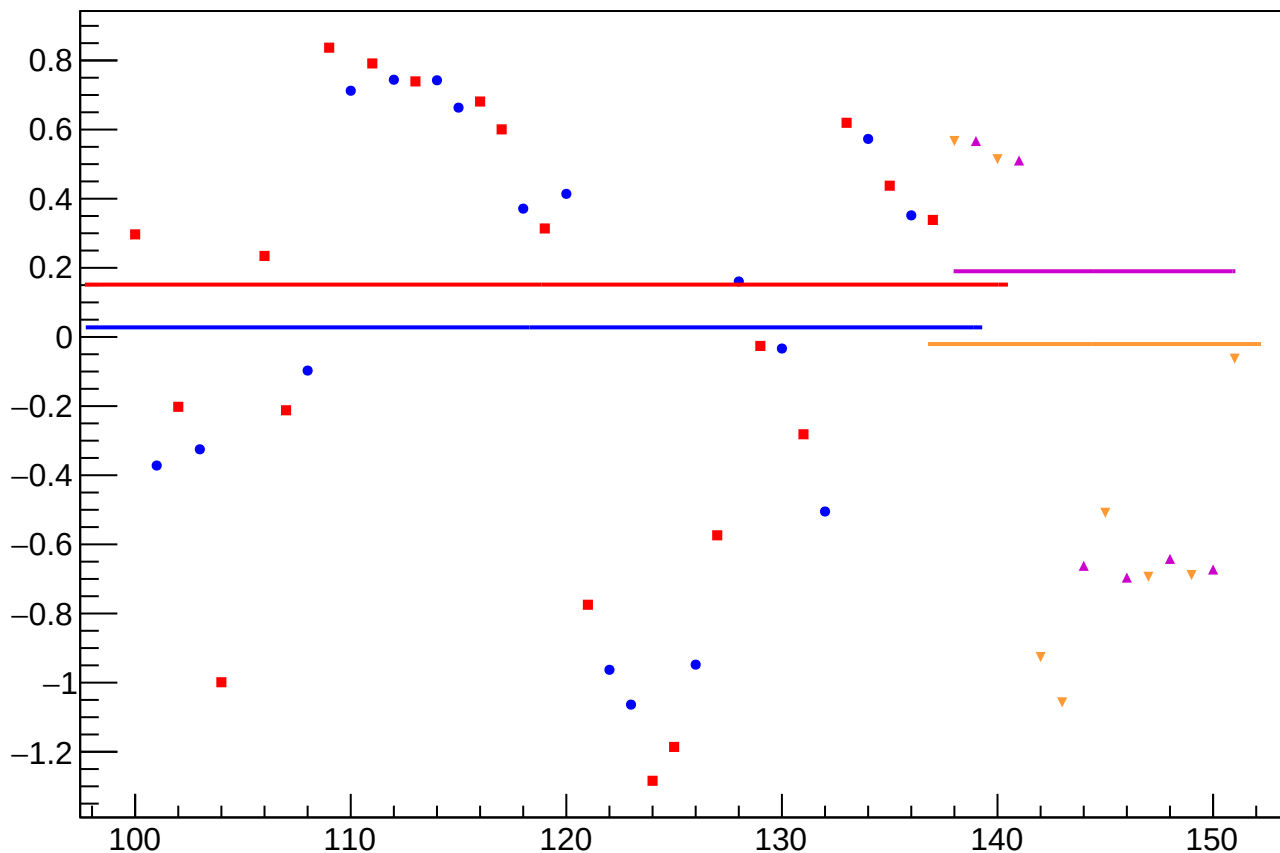
Left In: 0.013 $\pm$ 0.000 χ^2/NDF : 392979.1/5

0.013 $\pm$ 0.000 χ^2/NDF : 698936.0/24

0.013 $\pm$ 0.000 χ^2/NDF : 1707855.5/50

0.014 $\pm$ 0.000 χ^2/NDF : 986504.0/25

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.028 $\pm$ 0.000 χ^2/NDF : 6276955529.7/16

Left Out: -0.020 $\pm$ 0.000 χ^2/NDF : 16507488966.2/7

Right Out: 0.152 $\pm$ 0.000 χ^2/NDF : 12665480117.0/19

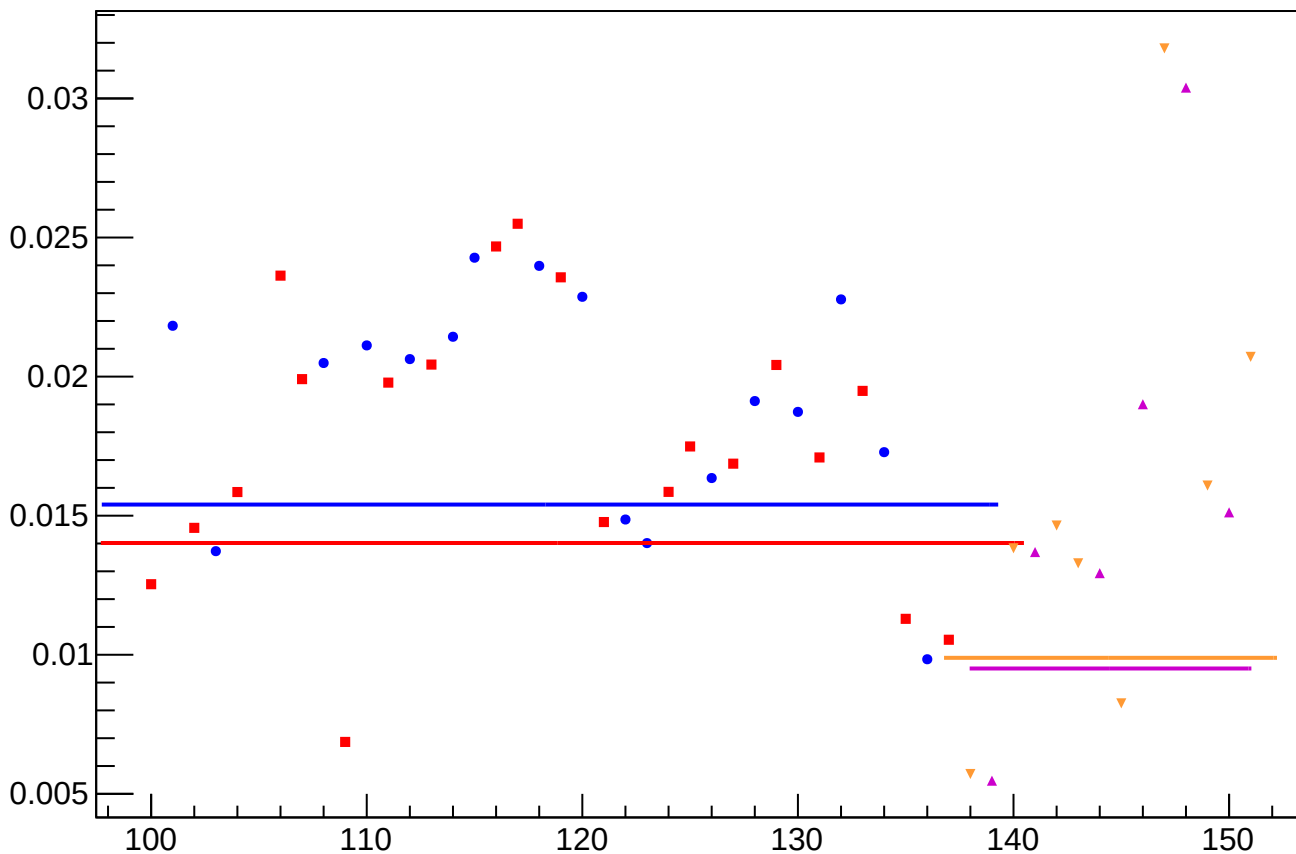
Left In: 0.190 $\pm$ 0.000 χ^2/NDF : 12093226693.2/5

-0.003 $\pm$ 0.000 χ^2/NDF : 22819510337.5/24

0.086 $\pm$ 0.000 χ^2/NDF : 48633084228.8/5

0.174 $\pm$ 0.000 χ^2/NDF : 24783070737.4/25

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF : 1141655.8/16

Left Out: 0.010+/-0.000 χ^2/NDF : 2299338.7/7

Right Out: 0.014+/-0.000 χ^2/NDF : 1576882.7/19

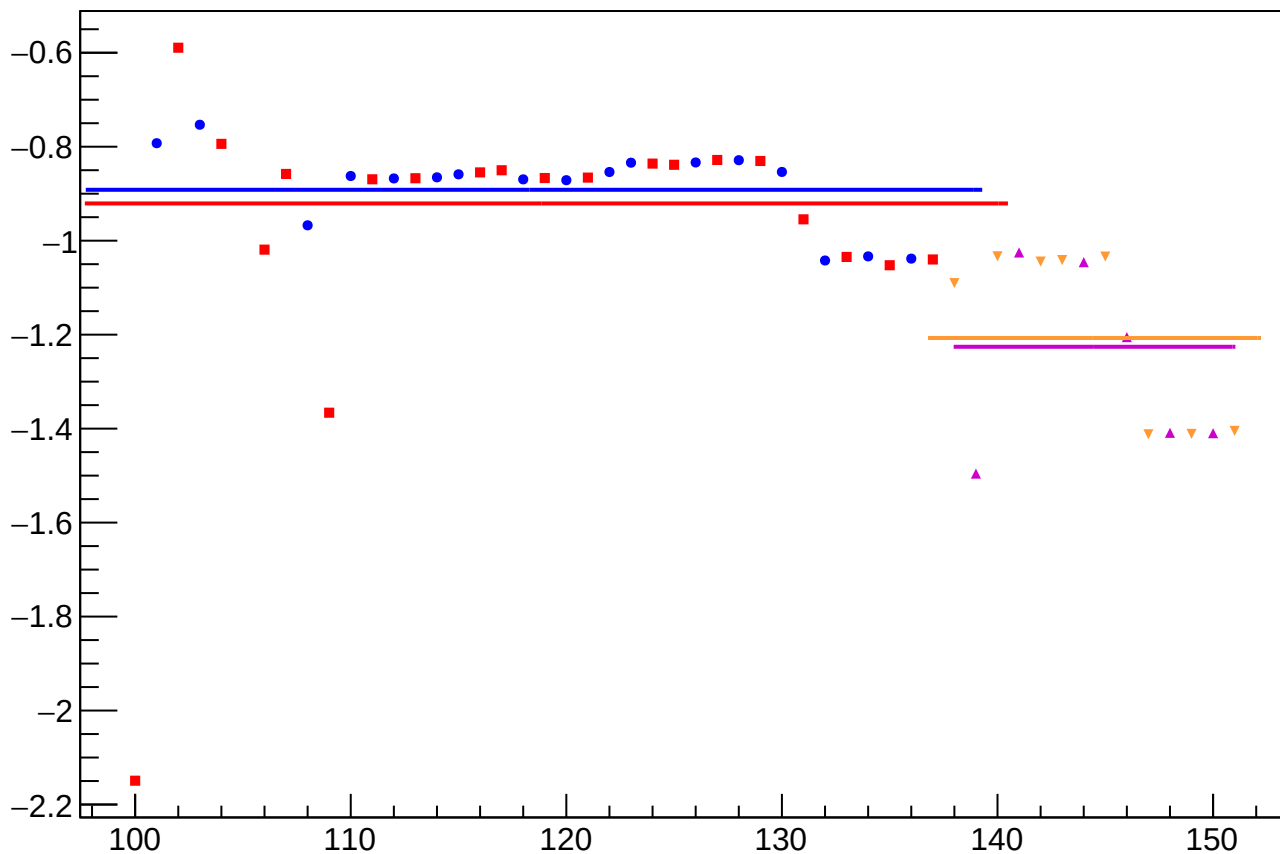
Left In: 0.010+/-0.000 χ^2/NDF : 2300645.2/5

0.012+/-0.000 χ^2/NDF : 4357301.5/24

0.012+/-0.000 χ^2/NDF : 8913352.3/50

0.011+/-0.000 χ^2/NDF : 4543296.0/25

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.892+/-0.000 χ^2/NDF : 39793337.2/16

Left Out: -1.207+/-0.000 χ^2/NDF : 167027849.9/7

Right Out: -0.921+/-0.000 χ^2/NDF : 131248005.3/19

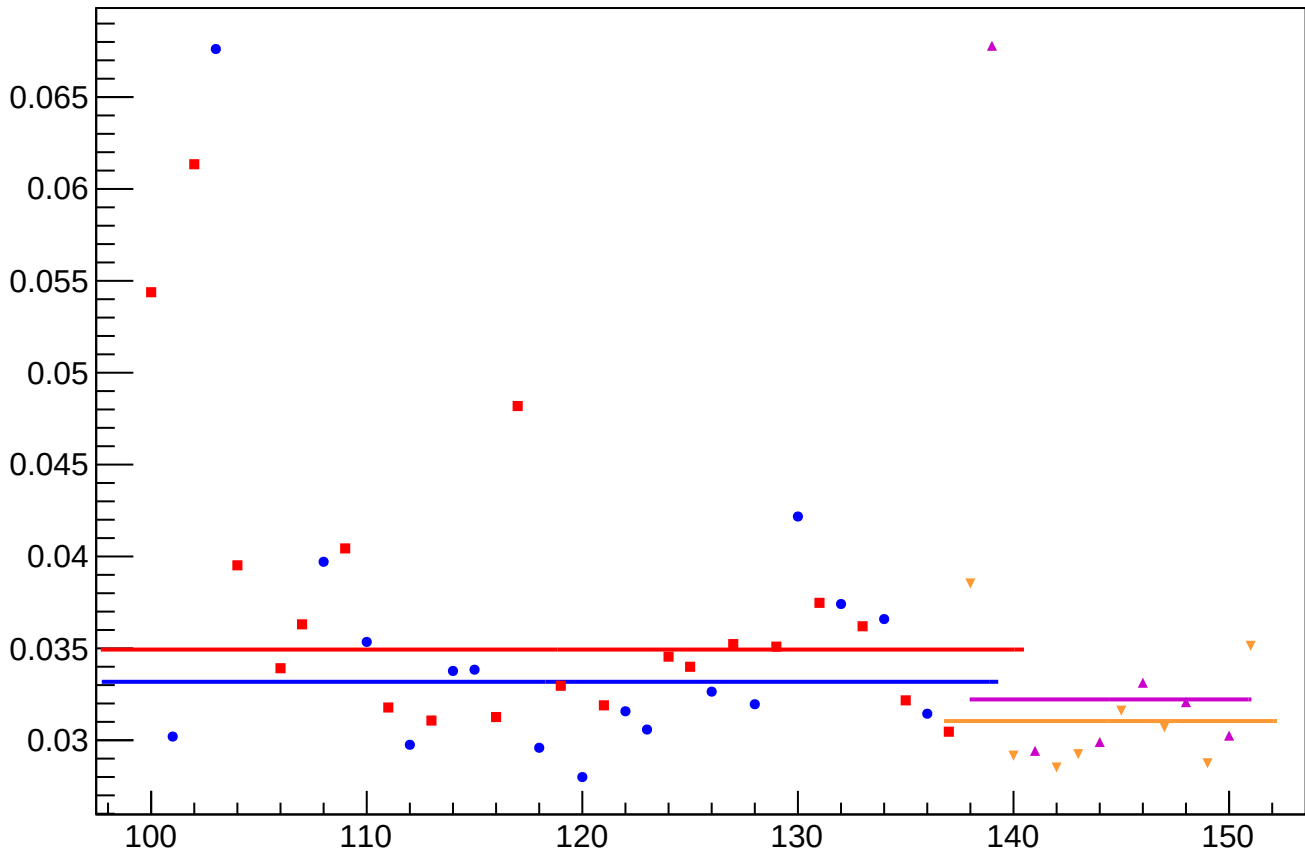
Left In: -1.226+/-0.000 χ^2/NDF : 123944176.7/5

-1.046+/-0.000 χ^2/NDF : 463703663.2/24

-1.051+/-0.000 χ^2/NDF : 928551224.7/50

-1.056+/-0.000 χ^2/NDF : 464354855.9/25

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.033 $\pm$ 0.000 χ^2/NDF : 400106.0/16

Left Out: 0.031 $\pm$ 0.000 χ^2/NDF : 89920.3/7

Right Out: 0.035 $\pm$ 0.000 χ^2/NDF : 281256.5/19

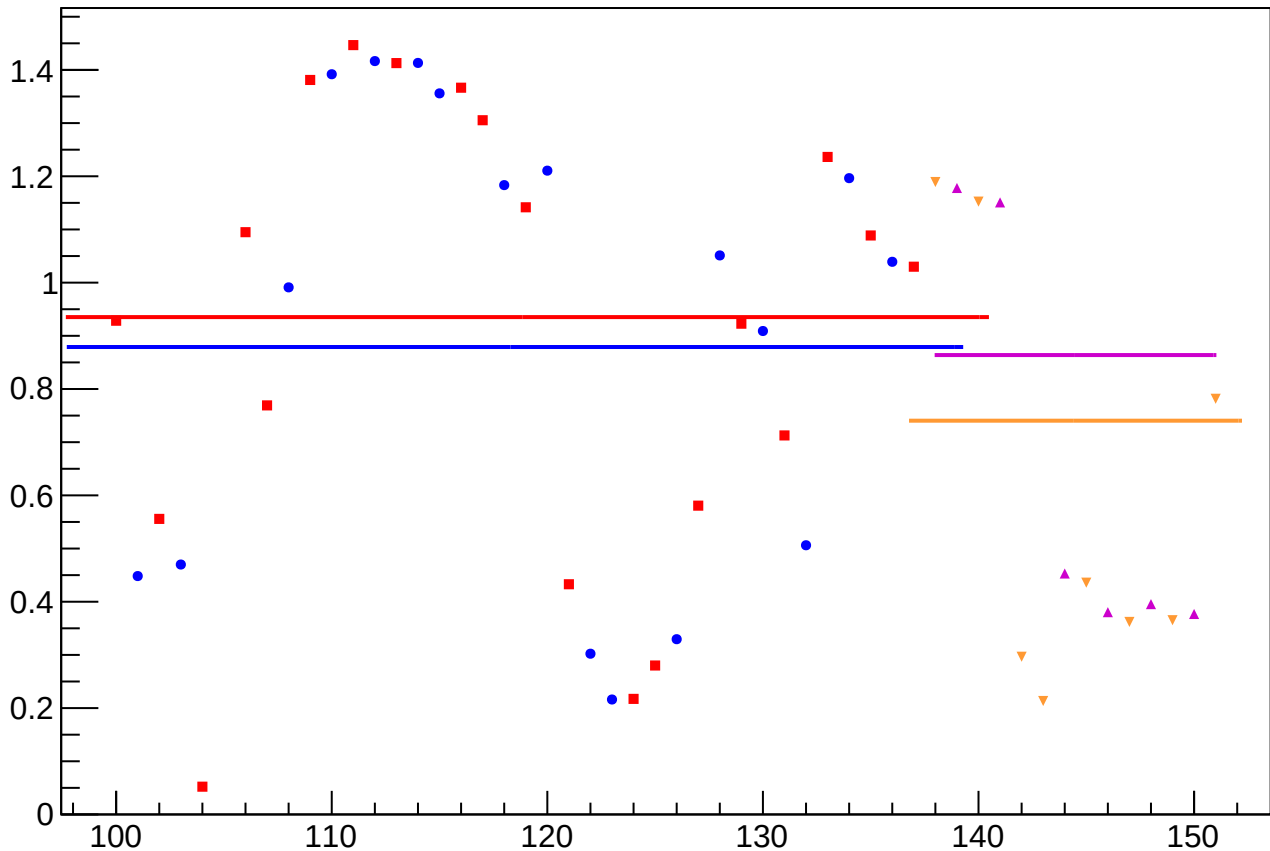
Left In: 0.032 $\pm$ 0.000 χ^2/NDF : 414677.8/5

0.032 $\pm$ 0.000 χ^2/NDF : 513581.4/24

0.033 $\pm$ 0.000 χ^2/NDF : 1267288.4/50

0.034 $\pm$ 0.000 χ^2/NDF : 729068.7/25

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.879 $\pm$ 0.000 χ^2/NDF : 6371602566.2/16

Left Out: 0.740 $\pm$ 0.000 χ^2/NDF : 11910441945.2/7

Right Out: 0.935 $\pm$ 0.000 χ^2/NDF : 9844960466.1/19

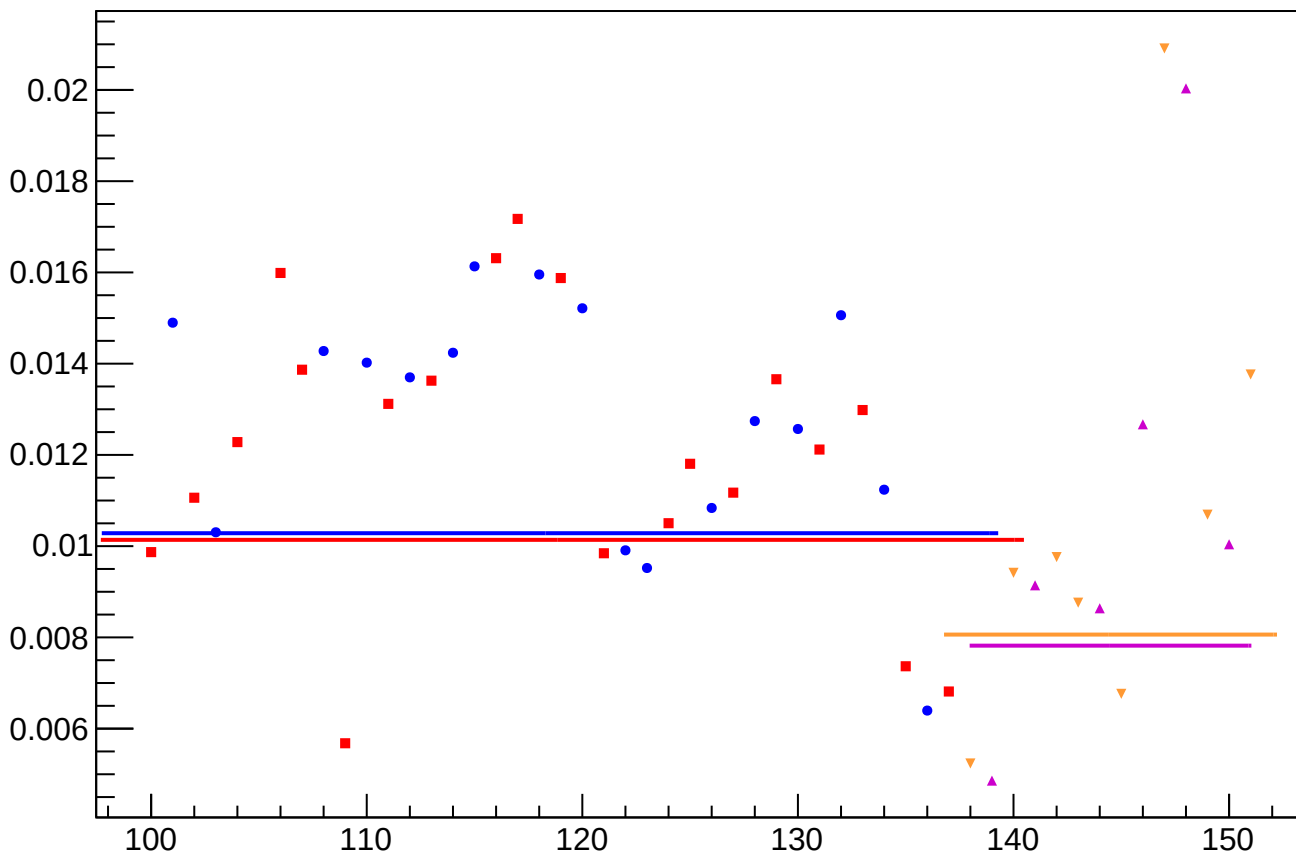
Left In: 0.864 $\pm$ 0.000 χ^2/NDF : 8935569434.5/5

0.799 $\pm$ 0.000 χ^2/NDF : 18865210319.6/24

0.847 $\pm$ 0.000 χ^2/NDF : 38396836155.0/5

0.897 $\pm$ 0.000 χ^2/NDF : 18934217784.3/25

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010 $\pm$ 0.000 χ^2/NDF : 1207460.1/16

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 1402279.5/7

Right Out: 0.010 $\pm$ 0.000 χ^2/NDF : 1189529.0/19

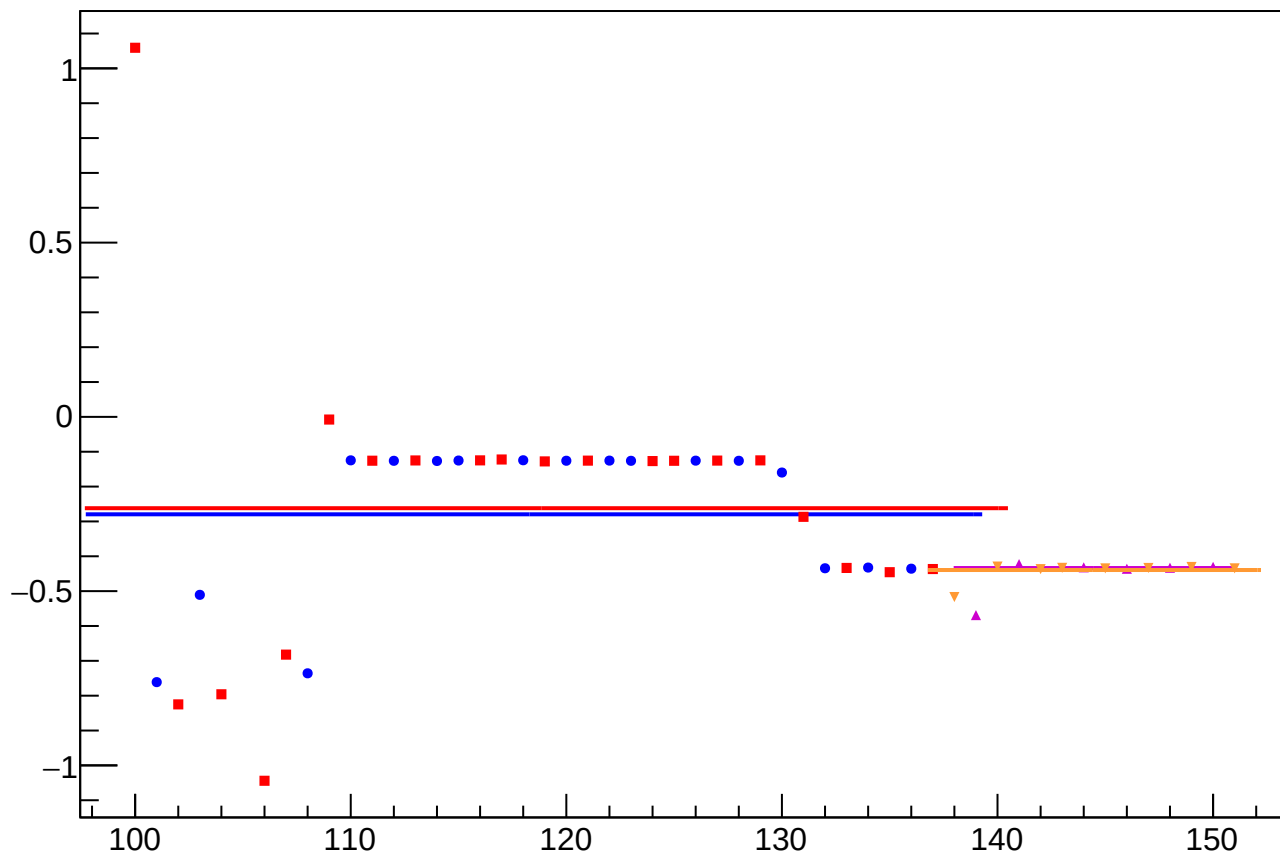
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 1407748.8/5

0.009 $\pm$ 0.000 χ^2/NDF : 2909804.5/24

0.009 $\pm$ 0.000 χ^2/NDF : 5832399.9/50

0.009 $\pm$ 0.000 χ^2/NDF : 2921683.0/25

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.280 $\pm$ 0.000 χ^2/NDF : 929210245.5/16

Left Out: -0.439 $\pm$ 0.000 χ^2/NDF : 23813184.2/7

Right Out: -0.262 $\pm$ 0.000 χ^2/NDF : 1007161741.8/19

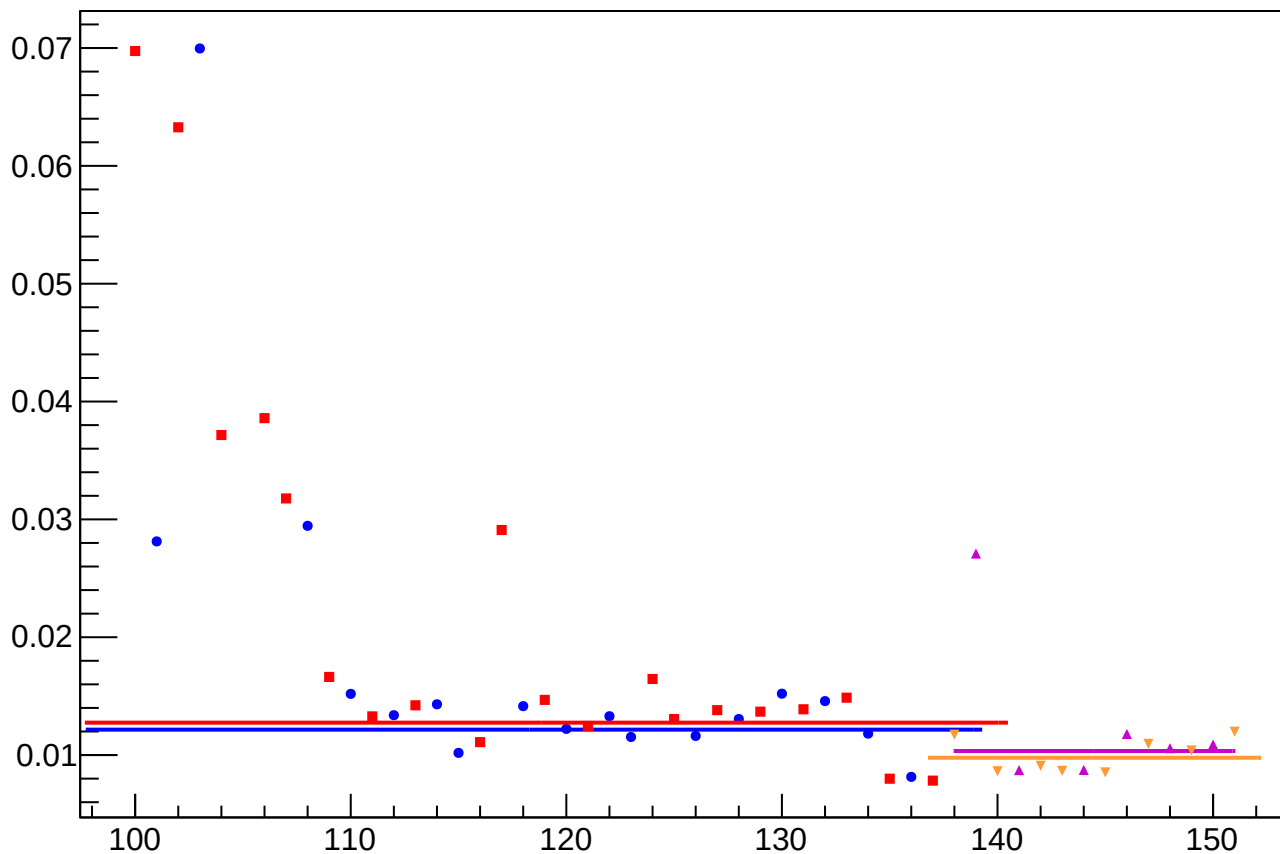
Left In: -0.434 $\pm$ 0.000 χ^2/NDF : 18831862.7/5

-0.375 $\pm$ 0.000 χ^2/NDF : 1435711231.2/24

-0.366 $\pm$ 0.000 χ^2/NDF : 2953621208.9/50

-0.355 $\pm$ 0.000 χ^2/NDF : 1502898595.4/25

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 : 161653.3/7

Right Out: 0.013+/-0.000 χ^2/NDF : 1991972.4/19

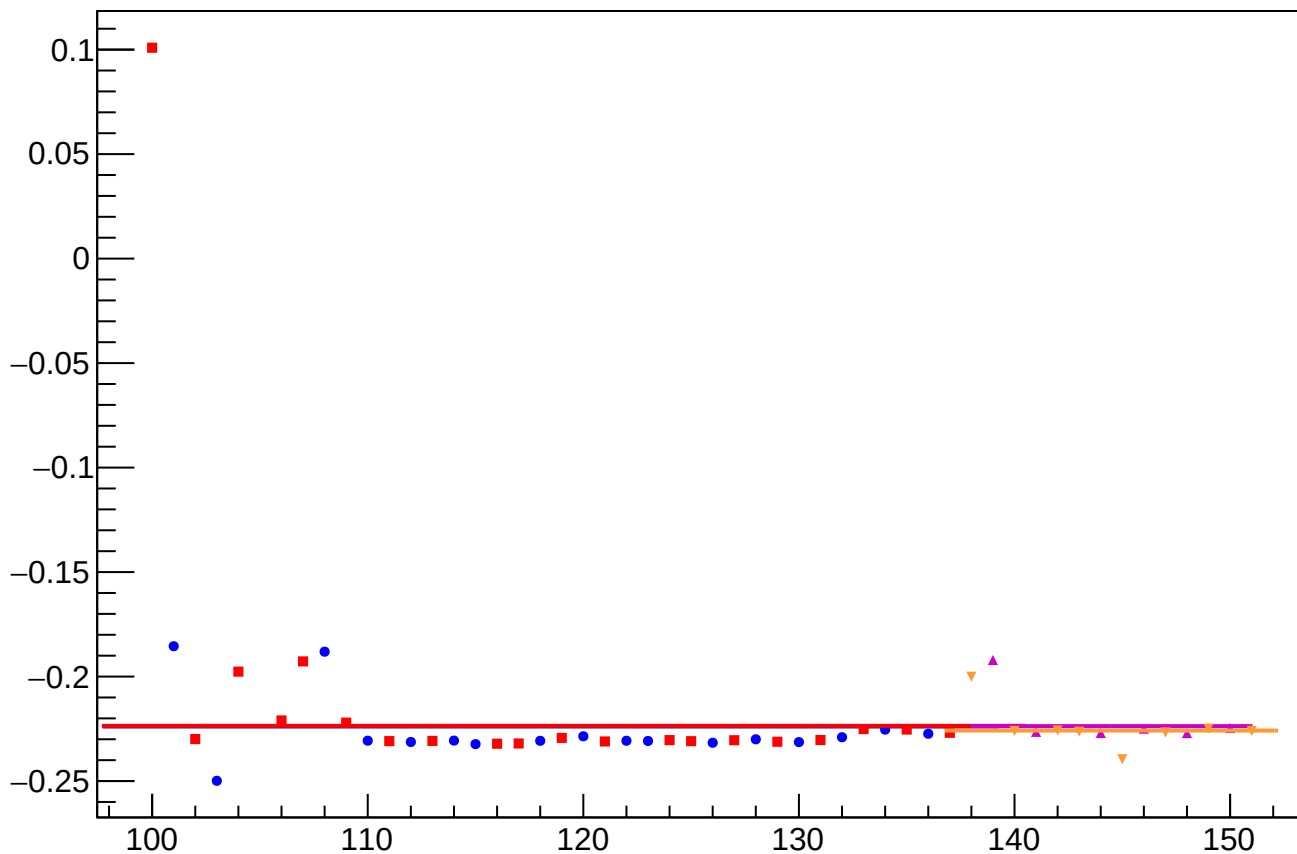
Left In: 0.010+/-0.000 χ^2/NDF : 656208.9/5

0.011+/-0.000 χ^2/NDF : 2099261.4/24

0.011+/-0.000 χ^2/NDF : 4971835.1/50

0.011+/-0.000 χ^2/NDF : 2835502.1/25

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.224 $\pm$ 0.000 χ^2/NDF : 74600073.9/16

Left Out: -0.226 $\pm$ 0.000 χ^2/NDF : 20513621.7/7

Right Out: -0.224 $\pm$ 0.000 χ^2/NDF : 168229582.1/19

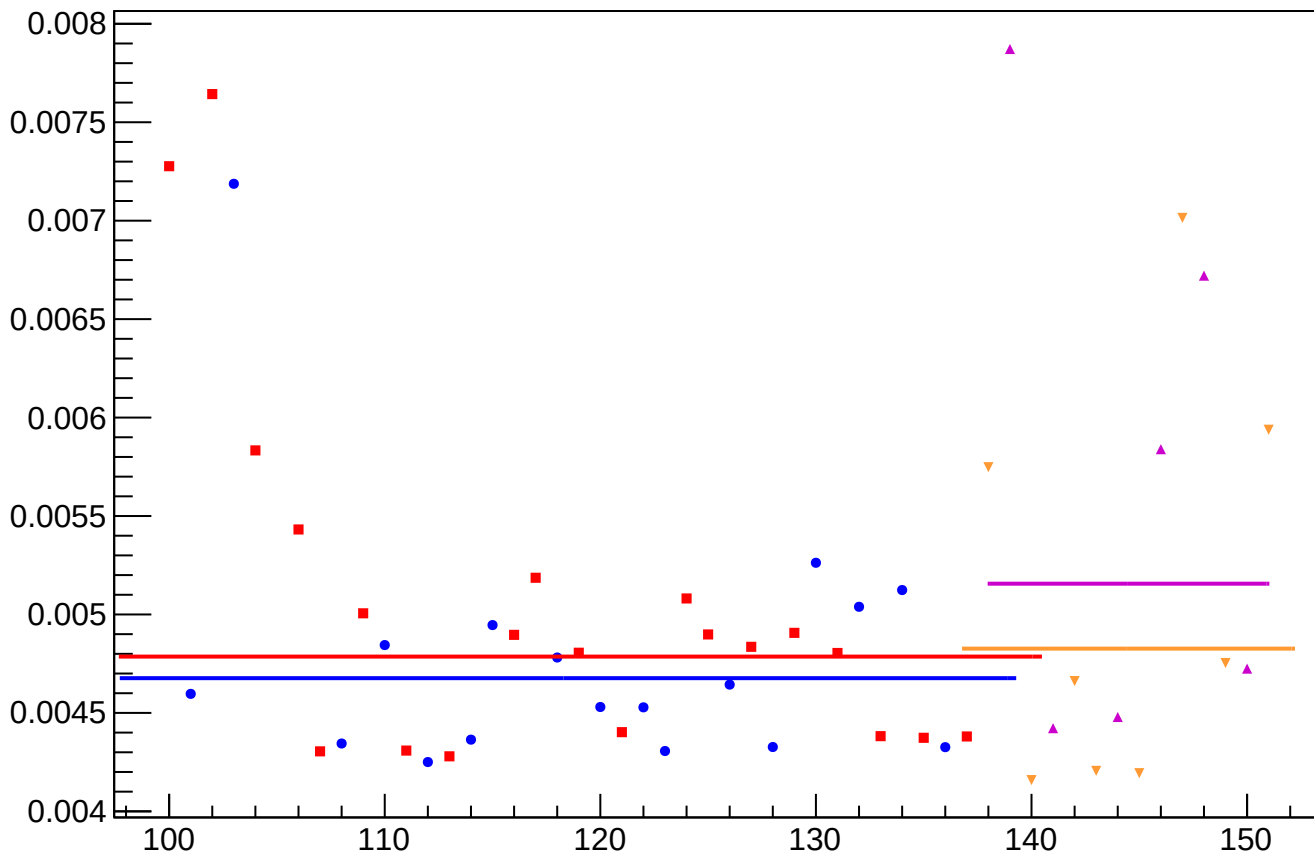
Left In: -0.224 $\pm$ 0.000 χ^2/NDF : 12071982.6/5

-0.225 $\pm$ 0.000 χ^2/NDF : 95575687.1/24

-0.224 $\pm$ 0.000 χ^2/NDF : 276173151.1/50

-0.224 $\pm$ 0.000 χ^2/NDF : 180303037.8/25

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 : 331424.0/7

Right Out: 0.005+/-0.000 χ^2/NDF : 248745.3/19

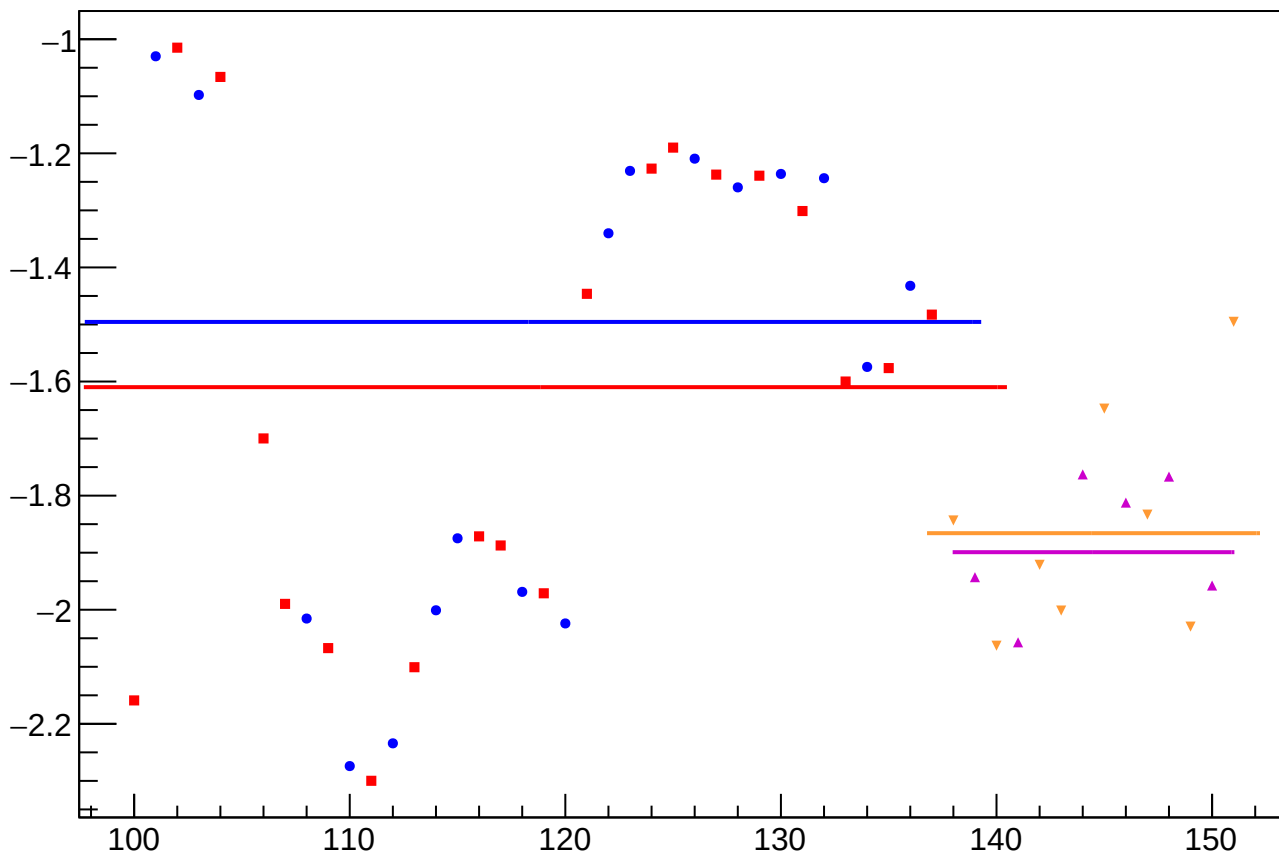
Left In: 0.005+/-0.000 χ^2/NDF : 358378.0/5

0.005+/-0.000 χ^2/NDF : 517726.3/24

0.005+/-0.000 χ^2/NDF : 1168441.4/50

0.005+/-0.000 χ^2/NDF : 635598.8/25

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496+/-0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.866+/-0.000 χ^2/NDF : 5333228662.5/7

Right Out: -1.610+/-0.000 χ^2/NDF : 27936032778.6/19

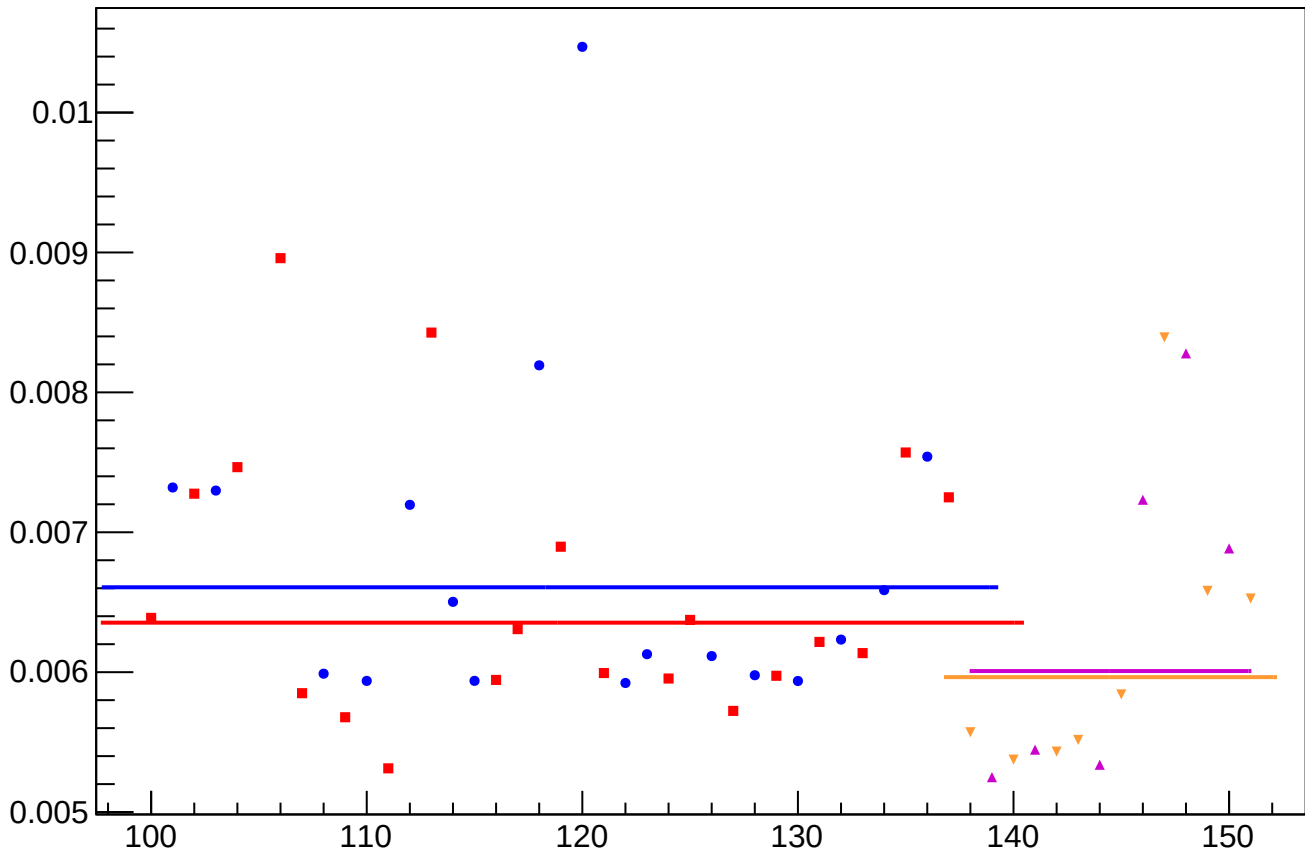
Left In: -1.899+/-0.000 χ^2/NDF : 1622268002.7/5

-1.688+/-0.000 χ^2/NDF : 37746873913.3/24

-1.711+/-0.000 χ^2/NDF : 73485790567.5/5

-1.734+/-0.000 χ^2/NDF : 35440697686.2/25

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 201323.2/16

Left Out: 0.006 $\pm$ 0.000 χ^2/NDF : 183823.6/7

Right Out: 0.006 $\pm$ 0.000 χ^2/NDF : 227292.5/19

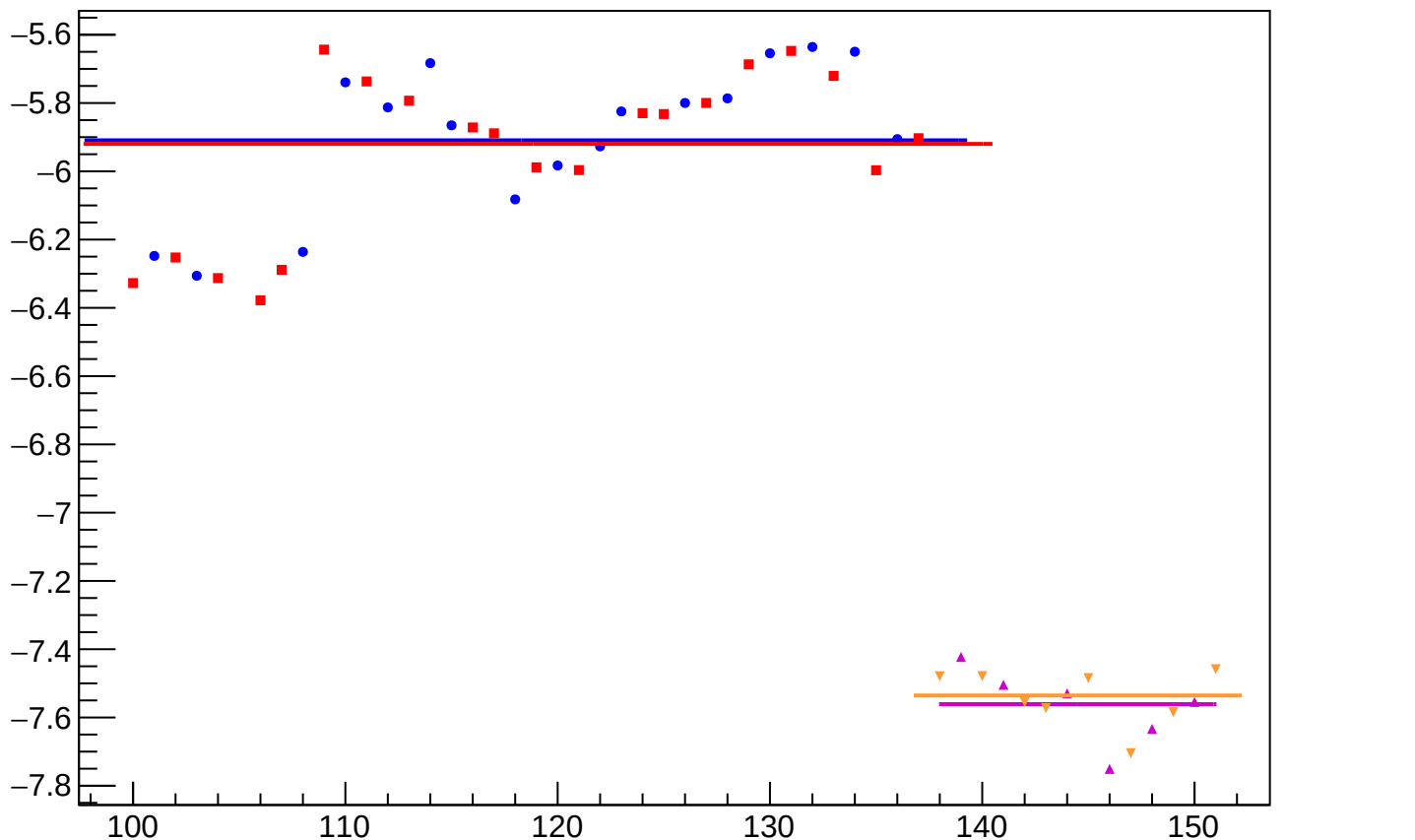
Left In: 0.006 $\pm$ 0.000 χ^2/NDF : 246042.8/5

0.006 $\pm$ 0.000 χ^2/NDF : 444774.0/24

0.006 $\pm$ 0.000 χ^2/NDF : 936211.4/50

0.006 $\pm$ 0.000 χ^2/NDF : 490154.2/25

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

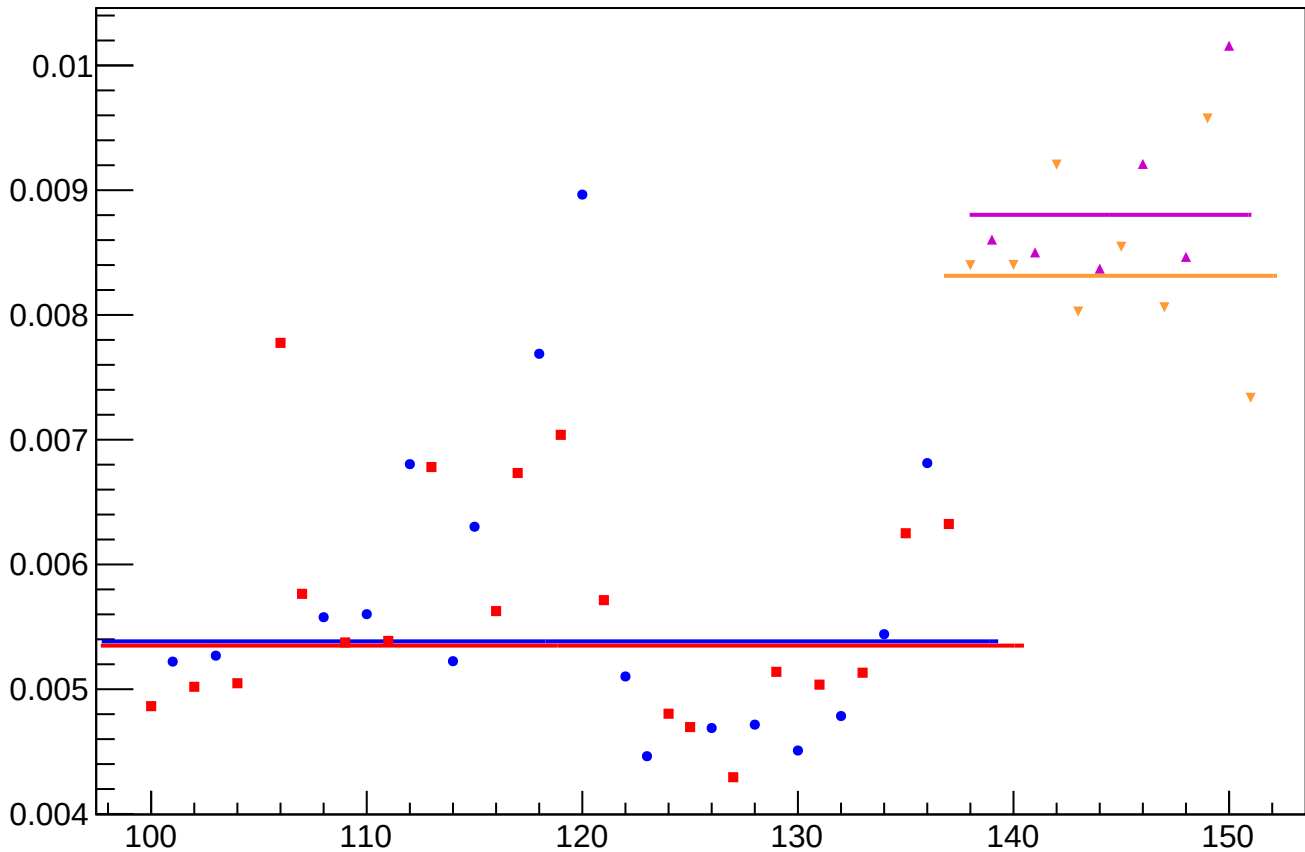
Left Out: -6.317+/-0.000 χ^2/NDF : 145794547417.1/24

Right Out: -5.920+/-0.000 χ^2/NDF : 12786104538.4/19

Left In: -6.275+/-0.000 χ^2/NDF : 275616472060.1

-6.235+/-0.000 χ^2/NDF : 128882805851.2/25

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 : 56875.1/7

Right Out: 0.005 $\pm$ 0.000 χ^2/NDF : 247999.6/19

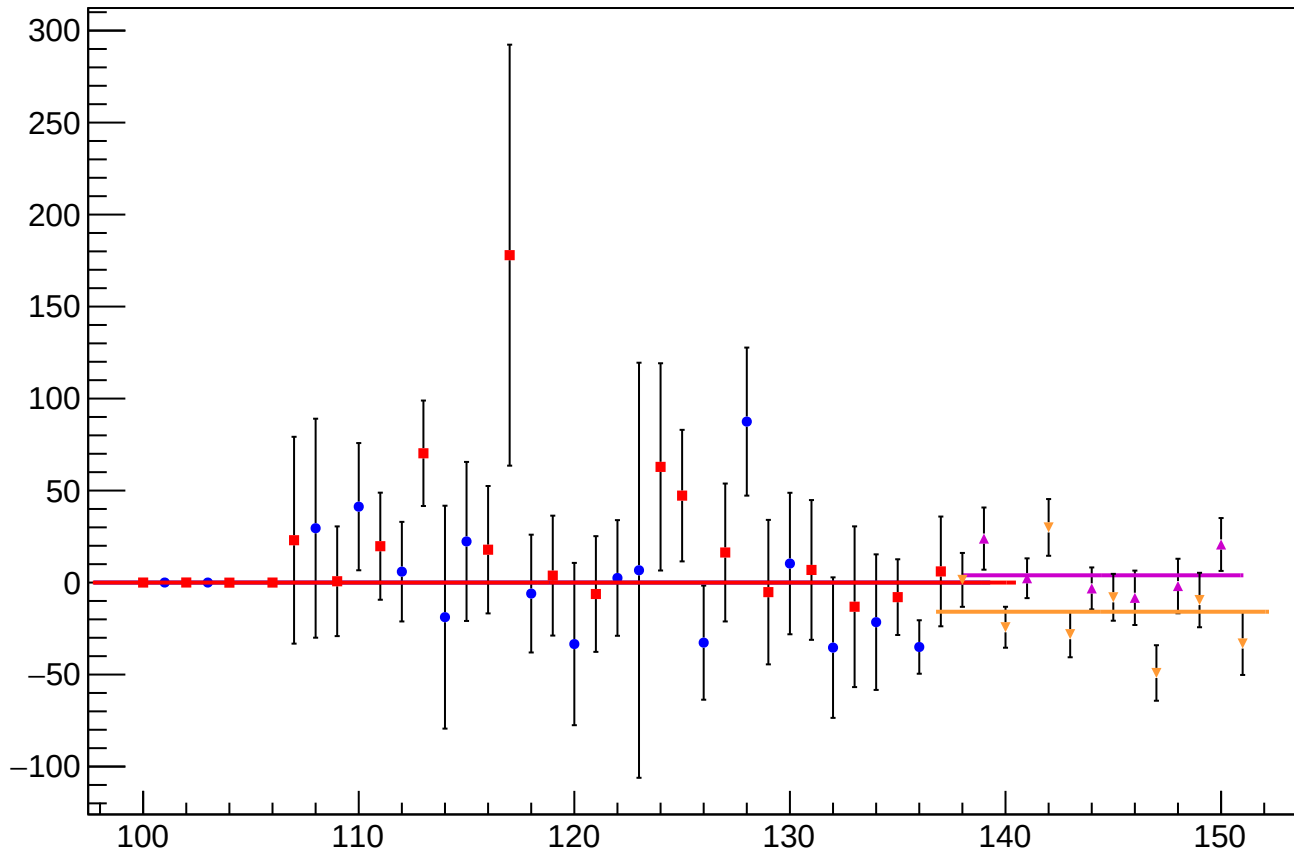
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 37132.0/5

0.006 $\pm$ 0.000 χ^2/NDF : 1275997.9/24

0.006 $\pm$ 0.000 χ^2/NDF : 2587630.8/50

0.006 $\pm$ 0.000 χ^2/NDF : 1308485.6/25

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.013 ± 0.017 χ^2/NDF : 15.8/16

Left Out: -15.849 ± 4.889 χ^2/NDF : 18.2/7

Right Out: -0.003 ± 0.016 χ^2/NDF : 17.7/19

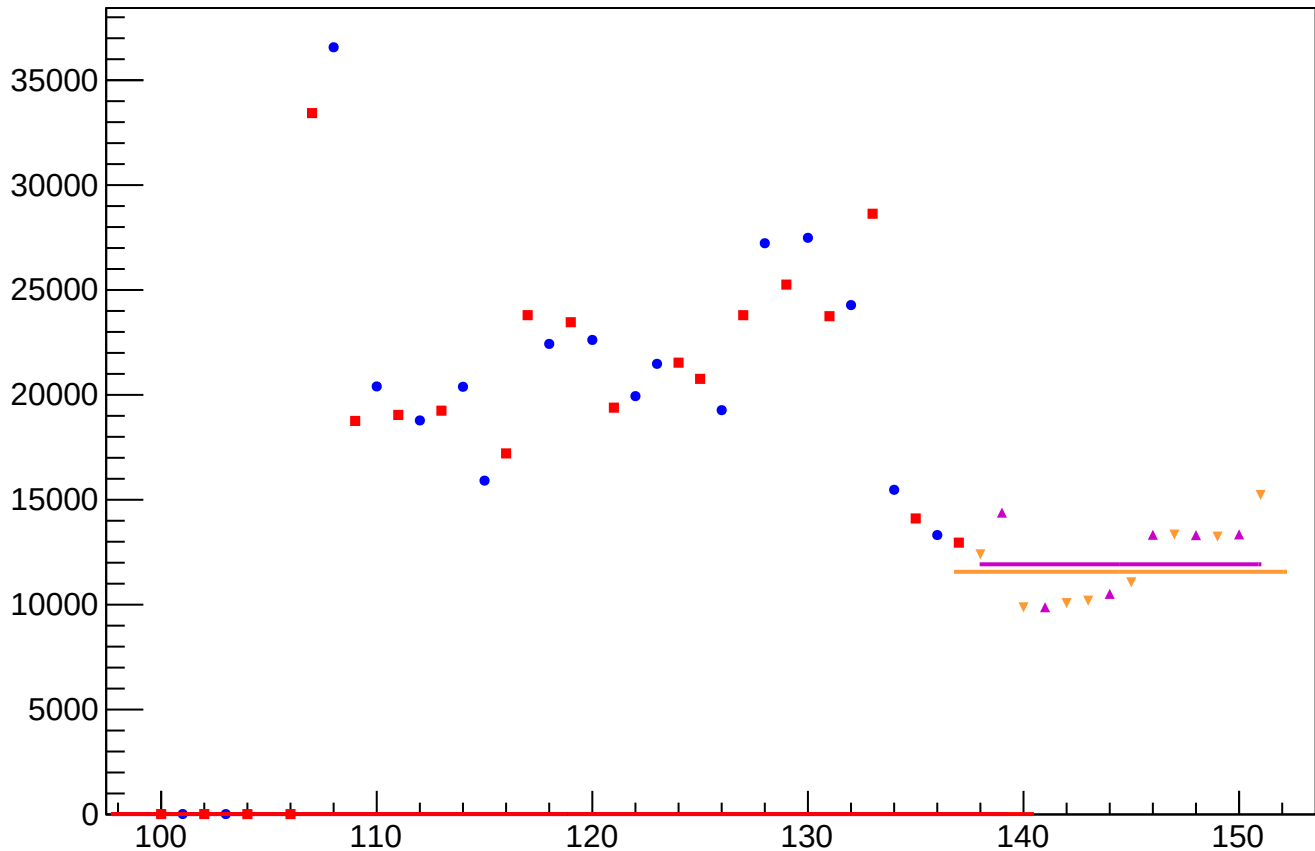
Left In: 3.948 ± 5.445 χ^2/NDF : 4.0/5

0.013 ± 0.017 χ^2/NDF : 44.5/24

0.004 ± 0.012 χ^2/NDF : 67.2/50

-0.003 ± 0.016 χ^2/NDF : 22.3/25

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 18.641 ± 0.012 $\chi^2/\text{NDF}: 10841561.4/16$

Left Out: 11567.198 ± 3.457 $\chi^2/\text{NDF}: 243866.6/7$

Right Out: 18.312 ± 0.011 $\chi^2/\text{NDF}: 11189737.0/19$

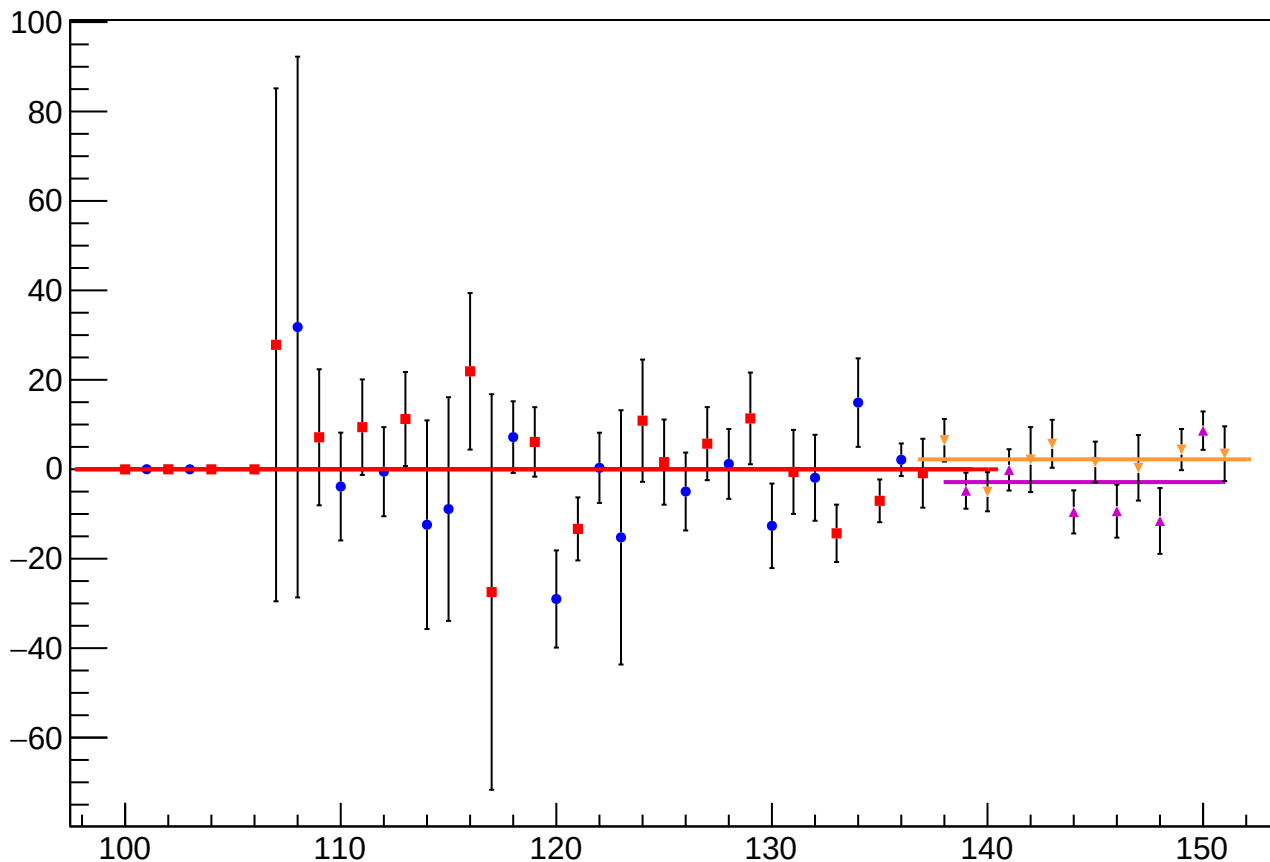
Left In: 11923.728 ± 3.850 $\chi^2/\text{NDF}: 200156.7/5$

18.786 ± 0.012 $\chi^2/\text{NDF}: 22245953.6/24$

18.587 ± 0.008 $\chi^2/\text{NDF}: 43196795.1/50$

18.416 ± 0.011 $\chi^2/\text{NDF}: 20950350.3/25$

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.009 χ^2/NDF : 14.9/16

Left Out: 2.220 $\pm$ 1.855 χ^2/NDF : 4.3/7

Right Out: -0.014 $\pm$ 0.009 χ^2/NDF : 18.8/19

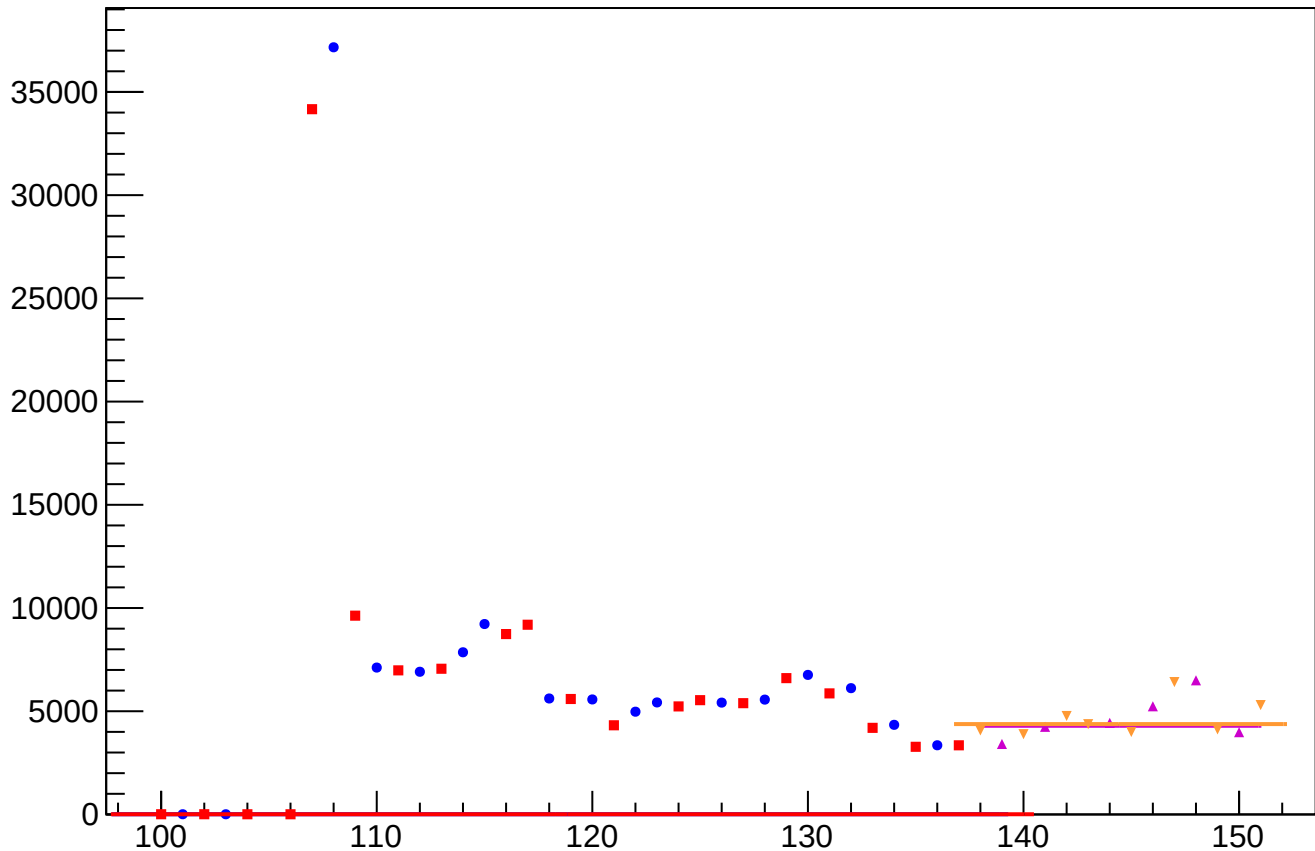
Left In: -2.866 $\pm$ 1.989 χ^2/NDF : 12.3/5

0.001 $\pm$ 0.009 χ^2/NDF : 20.7/24

-0.007 $\pm$ 0.006 χ^2/NDF : 55.2/50

-0.014 $\pm$ 0.009 χ^2/NDF : 33.1/25

diff_cav4bY_rms vs Slug, Sign Corrected



Right In: 9.938+/-0.007 χ^2/NDF : 10973577.1/16

Left Out: 4377.704+/-1.312 χ^2/NDF : 258937.3/7

Right Out: 9.855+/-0.006 χ^2/NDF : 11238836.3/19

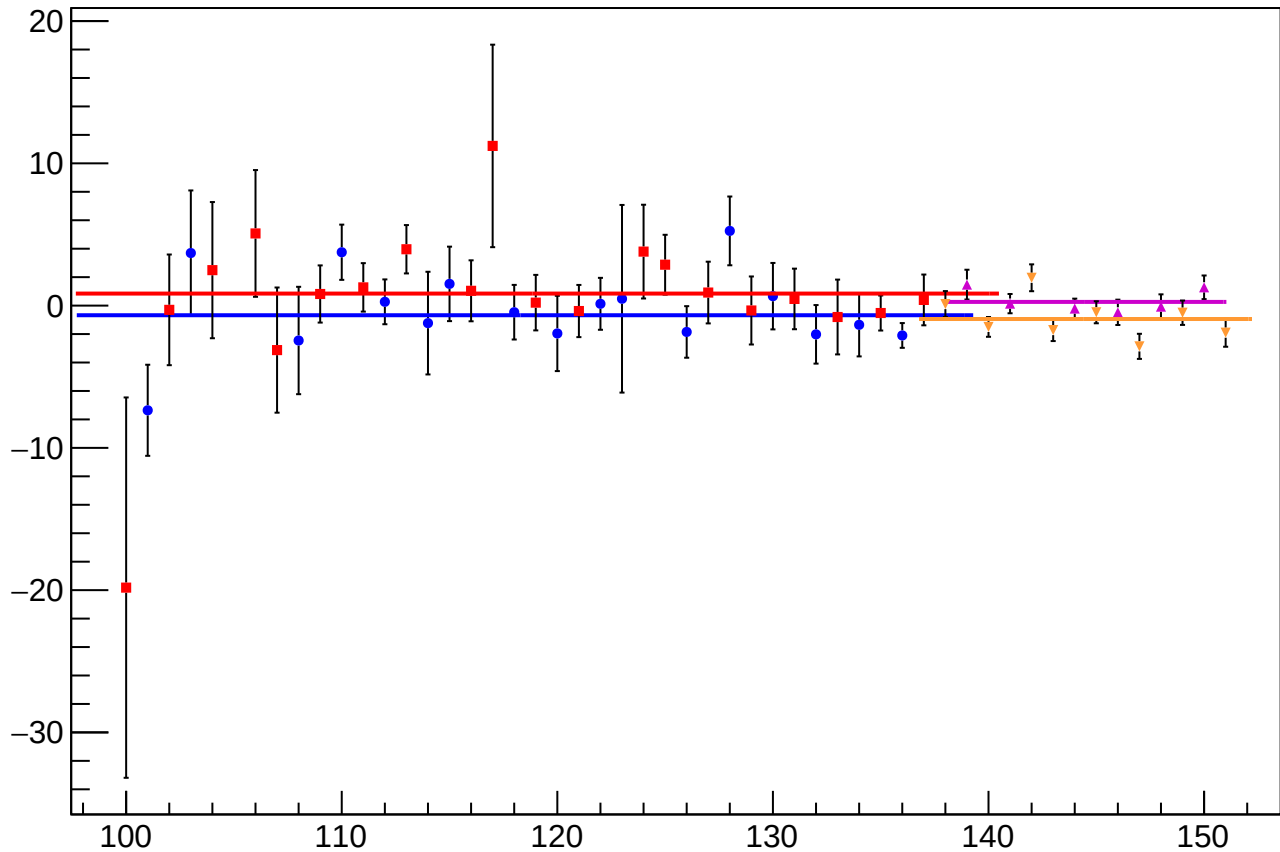
Left In: 4296.238+/-1.406 χ^2/NDF : 337729.5/5

10.045+/-0.007 χ^2/NDF : 22316692.4/24

9.987+/-0.004 χ^2/NDF : 43182546.6/50

9.936+/-0.006 χ^2/NDF : 20865703.2/25

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.677 ± 0.484 χ^2/NDF : 22.3/16

Left Out: -0.942 ± 0.296 χ^2/NDF : 18.7/7

Right Out: 0.846 ± 0.500 χ^2/NDF : 14.1/19

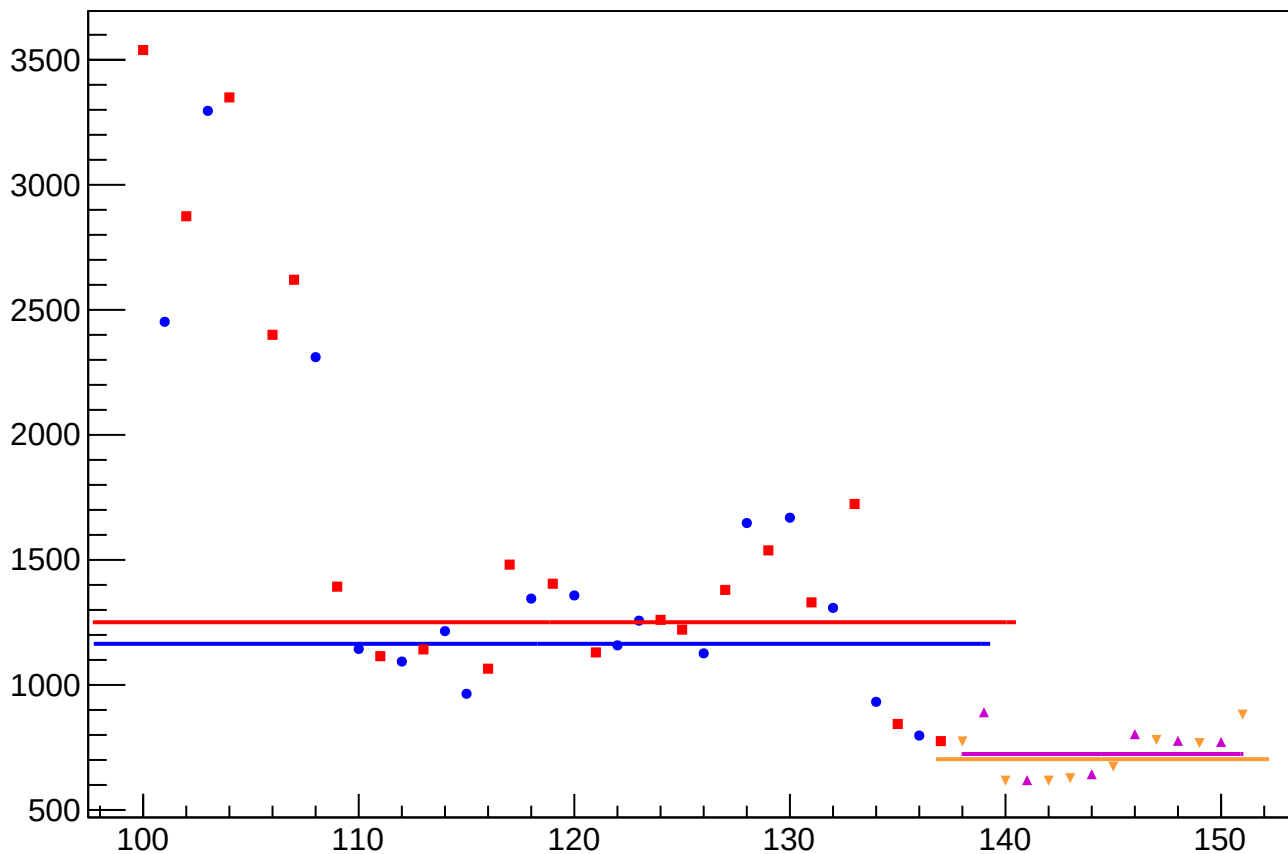
Left In: 0.260 ± 0.330 χ^2/NDF : 4.2/5

-0.869 ± 0.253 χ^2/NDF : 41.2/24

-0.272 ± 0.186 χ^2/NDF : 72.7/50

0.438 ± 0.275 χ^2/NDF : 19.3/25

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1164.459 $\pm$ 0.342 χ^2 /NDF: 1584212.9/16

Left Out: 703.241 $\pm$ 0.209 χ^2 /NDF: 172614.8/7

Right Out: 1250.738 $\pm$ 0.354 χ^2 /NDF: 1652238.9/19

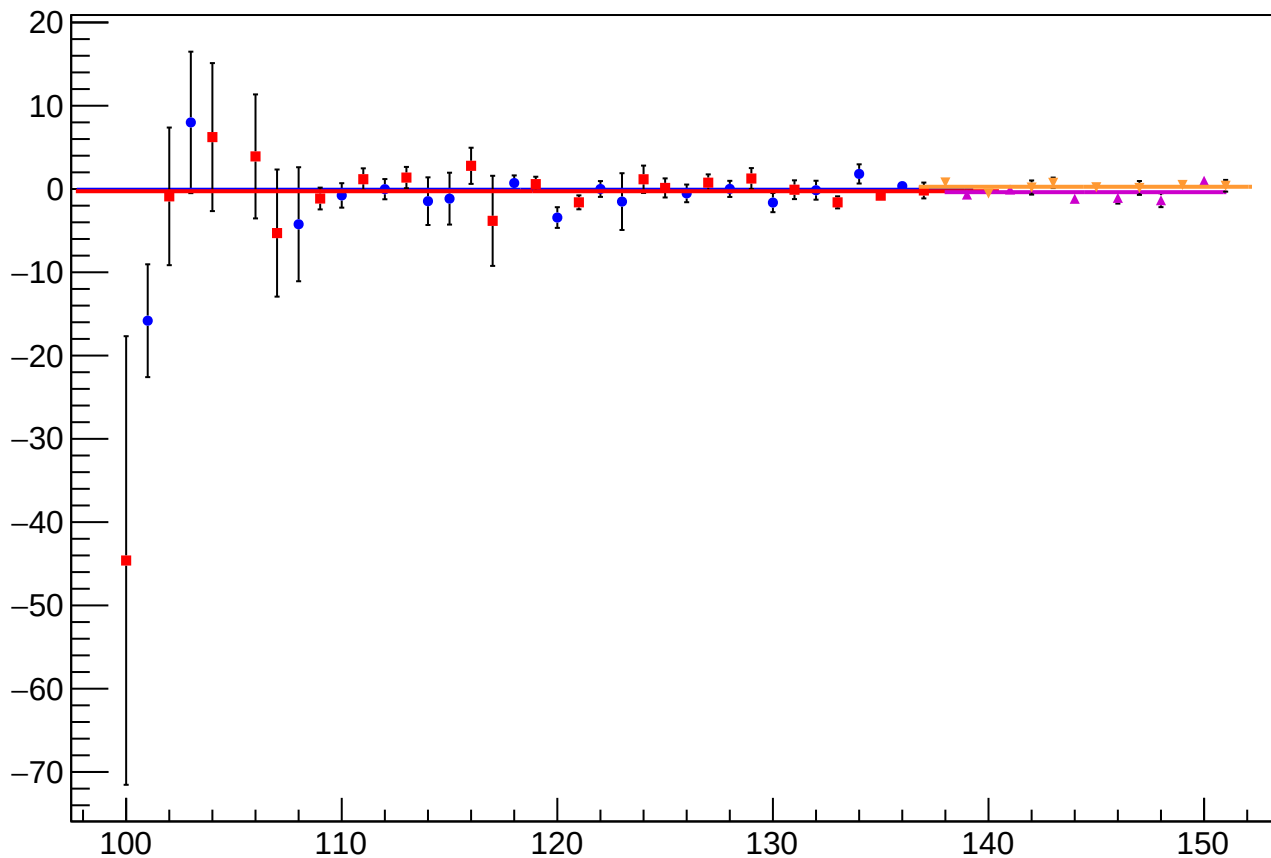
Left In: 723.791 $\pm$ 0.233 χ^2 /NDF: 155586.4/5

828.801 $\pm$ 0.179 χ^2 /NDF: 3077804.3/24

853.775 $\pm$ 0.132 χ^2 /NDF: 6476516.2/50

883.421 $\pm$ 0.195 χ^2 /NDF: 3355958.1/25

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

Left Out: 0.269 ± 0.218 χ^2/NDF : 4.2/7

Right Out: -0.268 ± 0.264 χ^2/NDF : 20.9/19

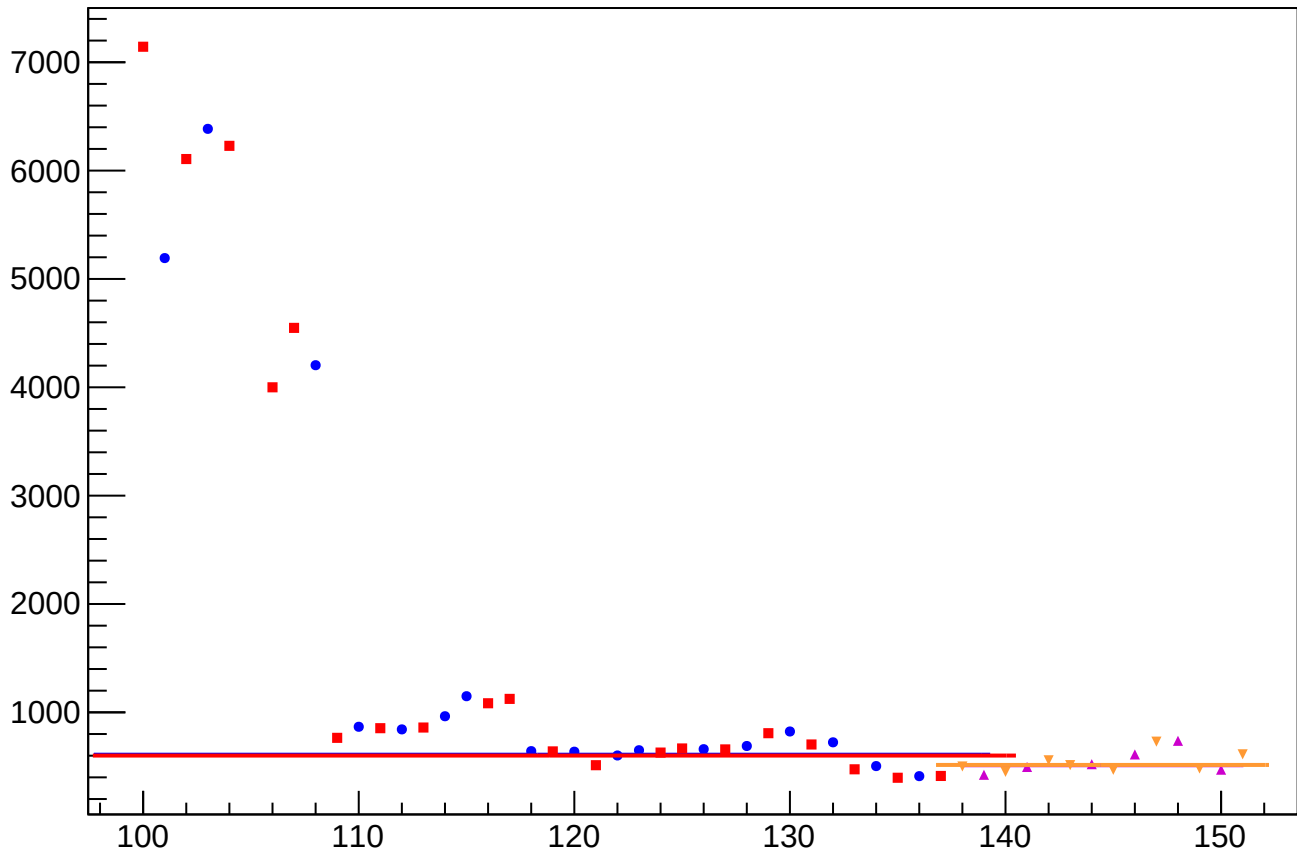
Left In: -0.380 ± 0.236 χ^2/NDF : 12.2/5

0.129 ± 0.169 χ^2/NDF : 26.3/24

-0.092 ± 0.122 χ^2/NDF : 63.0/50

-0.330 ± 0.176 χ^2/NDF : 33.2/25

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 609.016+/-0.191 χ^2/NDF : 3139231.5/16

Left Out: 514.598+/-0.154 χ^2/NDF : 232043.6/7

Right Out: 601.159+/-0.187 χ^2/NDF : 3566339.5/19

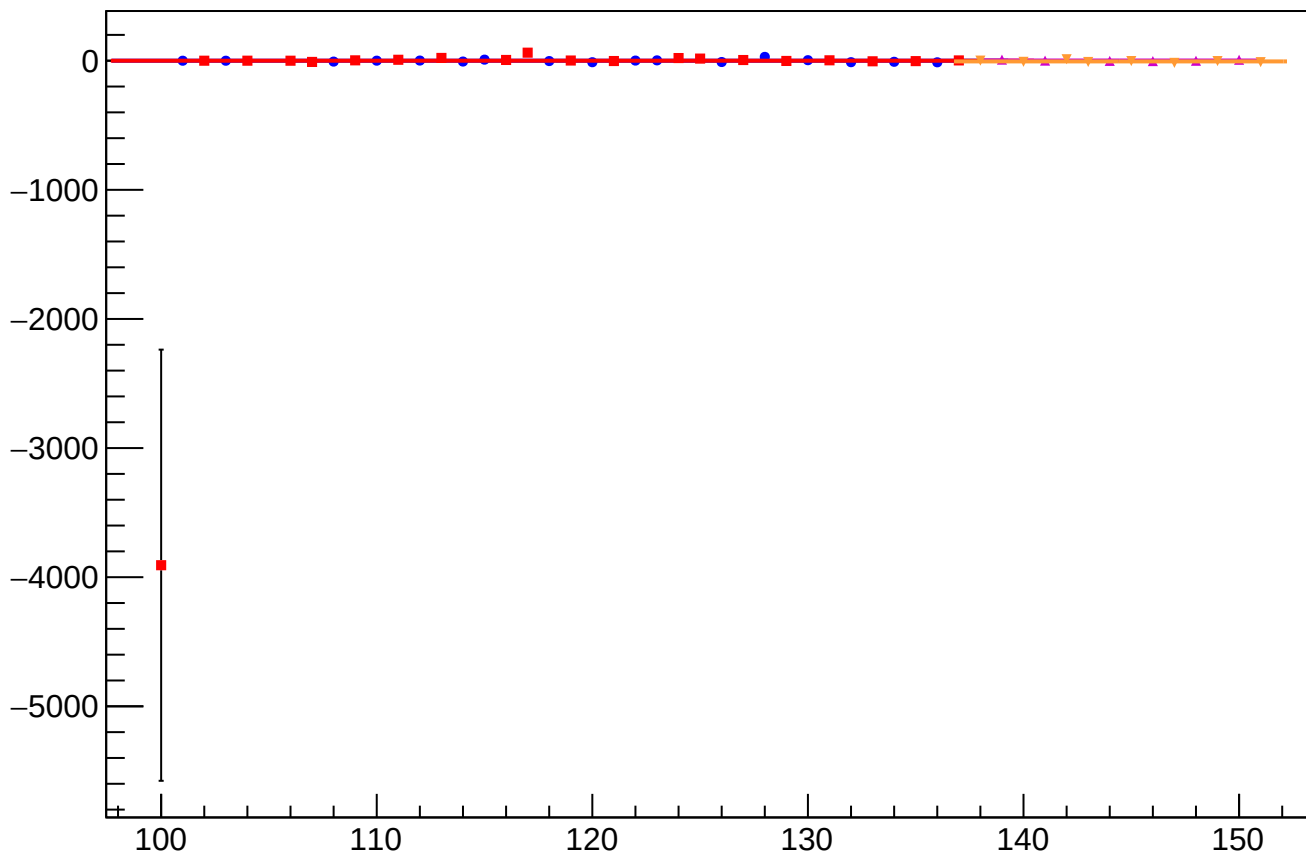
Left In: 511.773+/-0.167 χ^2/NDF : 265454.0/5

551.745+/-0.120 χ^2/NDF : 3519457.9/24

551.602+/-0.086 χ^2/NDF : 7478745.4/50

551.447+/-0.124 χ^2/NDF : 3959284.6/25

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022 $\pm$ 0.021 χ^2/NDF : 15.3/16

Left Out: -5.429 $\pm$ 1.718 χ^2/NDF : 18.9/7

Right Out: 0.027 $\pm$ 0.020 χ^2/NDF : 19.8/19

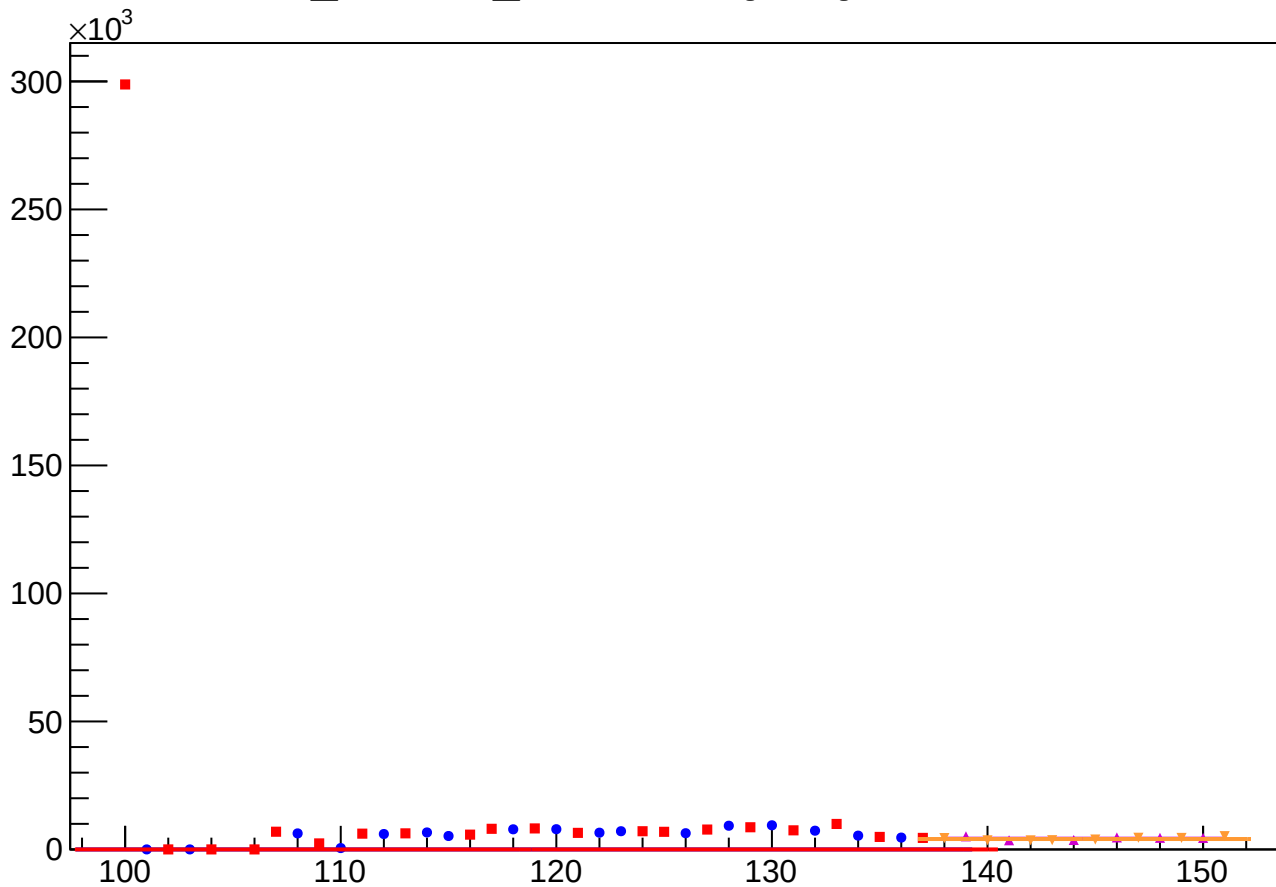
Left In: 1.498 $\pm$ 1.916 χ^2/NDF : 4.2/5

-0.022 $\pm$ 0.021 χ^2/NDF : 44.0/24

0.003 $\pm$ 0.014 χ^2/NDF : 71.6/50

0.027 $\pm$ 0.020 χ^2/NDF : 24.6/25

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 17.337 $\pm$ 0.015 χ^2 /NDF: 10359409.4/16

Left Out: 4077.281 $\pm$ 1.215 χ^2 /NDF:190023.4/7

Right Out: 17.270 $\pm$ 0.014 χ^2 /NDF: 10899577.1/19

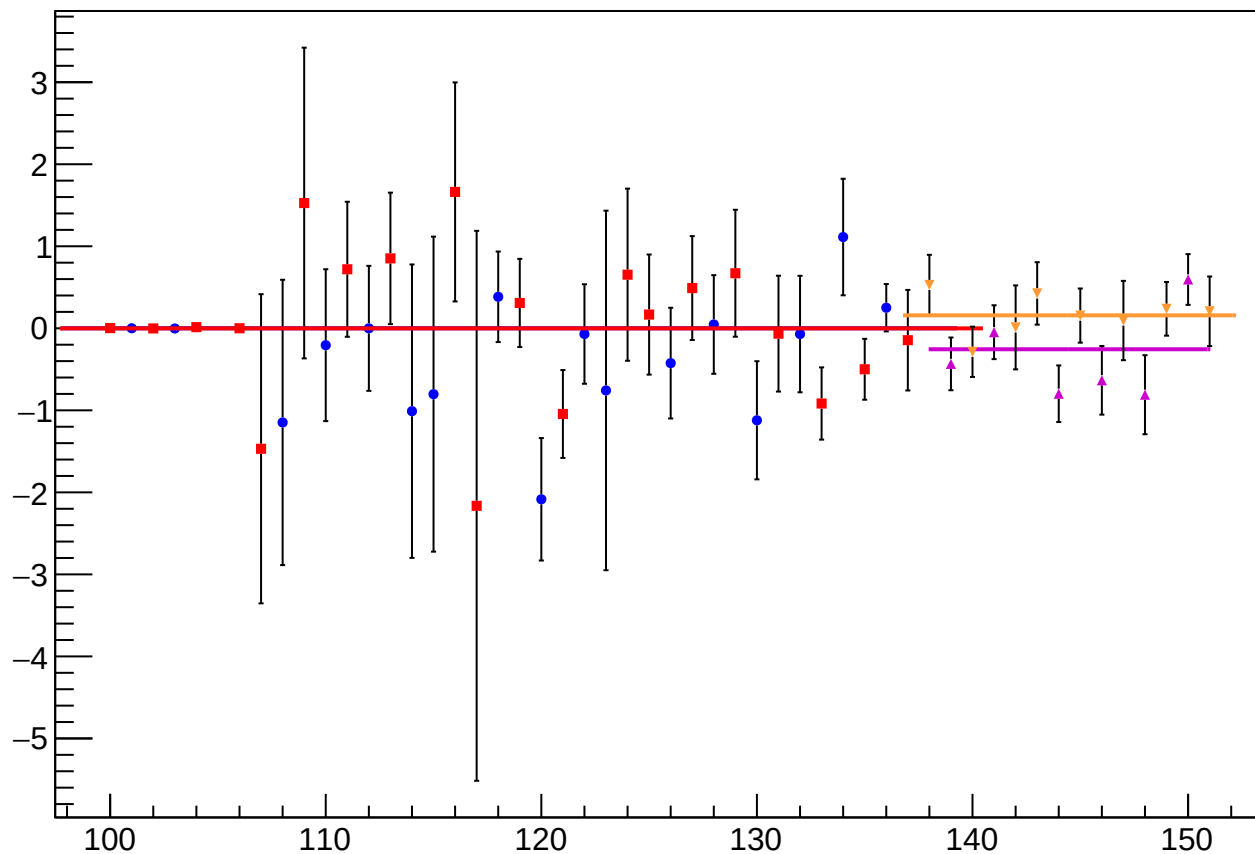
Left In: 4204.499 $\pm$ 1.355 χ^2 /NDF:161960.9/5

17.931 $\pm$ 0.015 χ^2 /NDF: 21711912.8/24

17.819 $\pm$ 0.010 χ^2 /NDF: 42328679.9/50

17.717 $\pm$ 0.014 χ^2 /NDF: 20616655.1/25

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 15.6/16

Left Out: 0.158 $\pm$ 0.132 χ^2 /NDF: 3.8/7

Right Out: -0.001 $\pm$ 0.002 χ^2 /NDF: 18.2/19

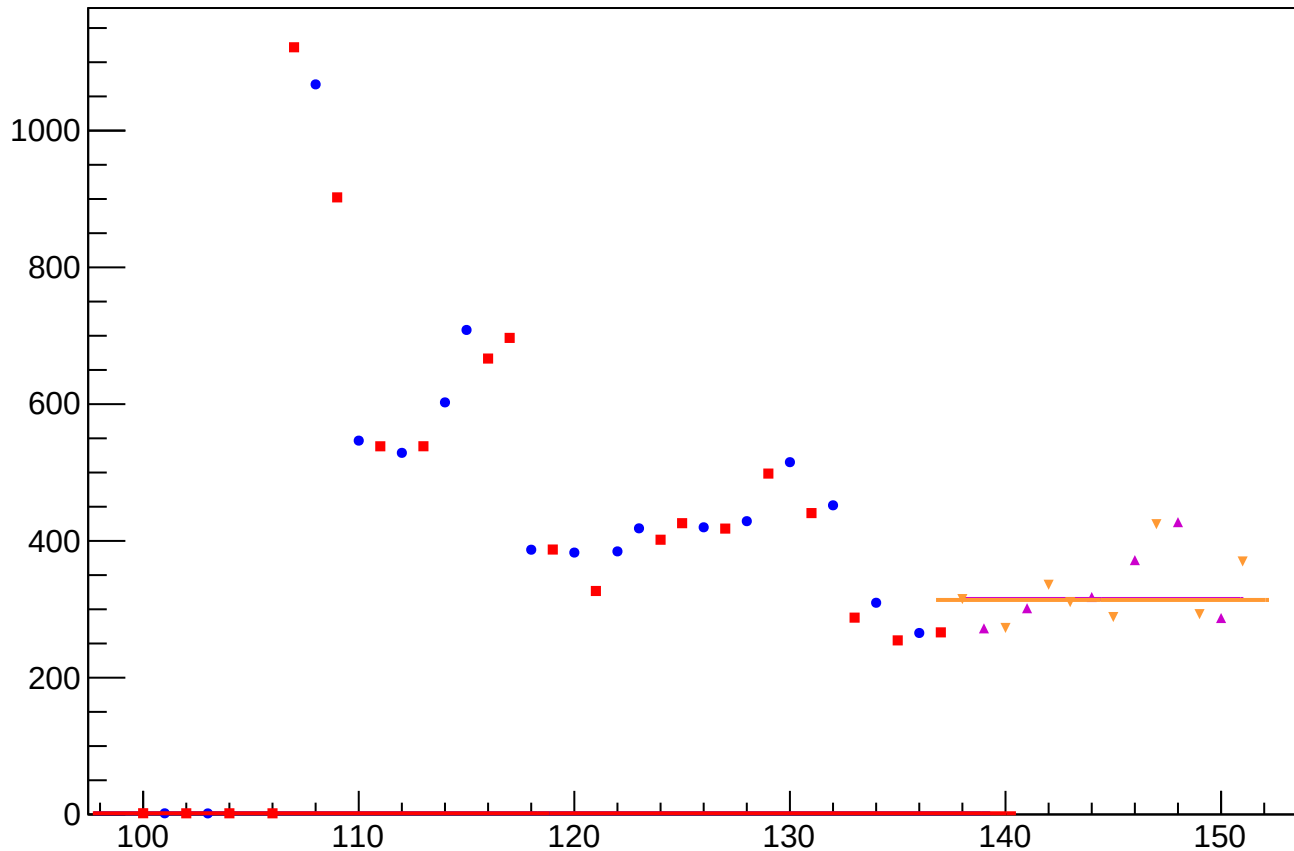
Left In: -0.256 $\pm$ 0.145 χ^2 /NDF: 12.9/5

0.000 $\pm$ 0.002 χ^2 /NDF: 20.8/24

-0.000 $\pm$ 0.001 χ^2 /NDF: 55.2/50

-0.001 $\pm$ 0.002 χ^2 /NDF: 34.2/25

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.698 ± 0.001 χ^2/NDF : 10911617.0/16

Left Out: 313.679 ± 0.094 χ^2/NDF : 199281.4/7

Right Out: 1.729 ± 0.001 χ^2/NDF : 10822679.1/19

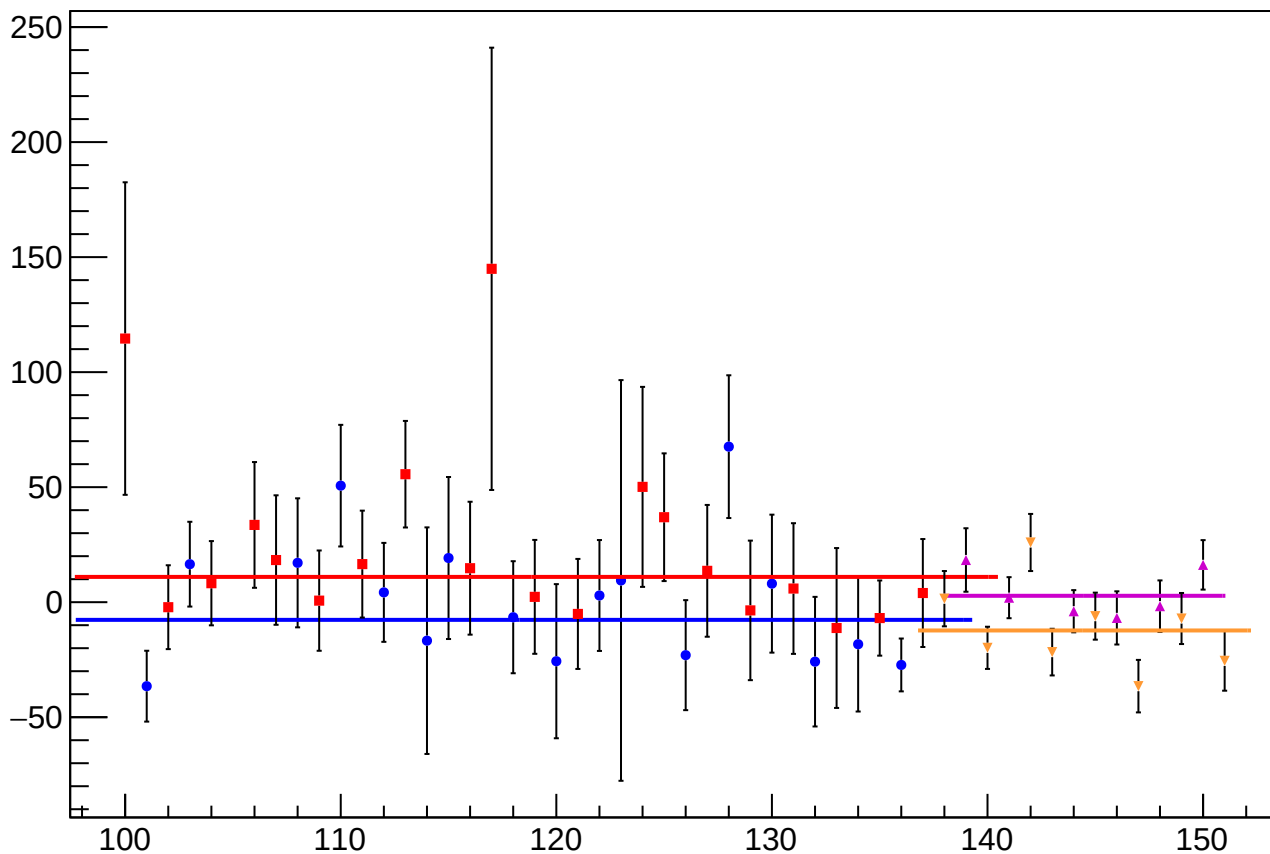
Left In: 315.103 ± 0.102 χ^2/NDF : 201024.7/5

1.772 ± 0.001 χ^2/NDF : 22220806.3/24

1.778 ± 0.001 χ^2/NDF : 42636187.4/50

1.785 ± 0.001 χ^2/NDF : 20415335.3/25

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.683 ± 5.627 χ^2/NDF : 22.4/16

Left Out: -12.293 ± 3.883 χ^2/NDF : 18.5/7

Right Out: 10.992 ± 5.672 χ^2/NDF : 13.8/19

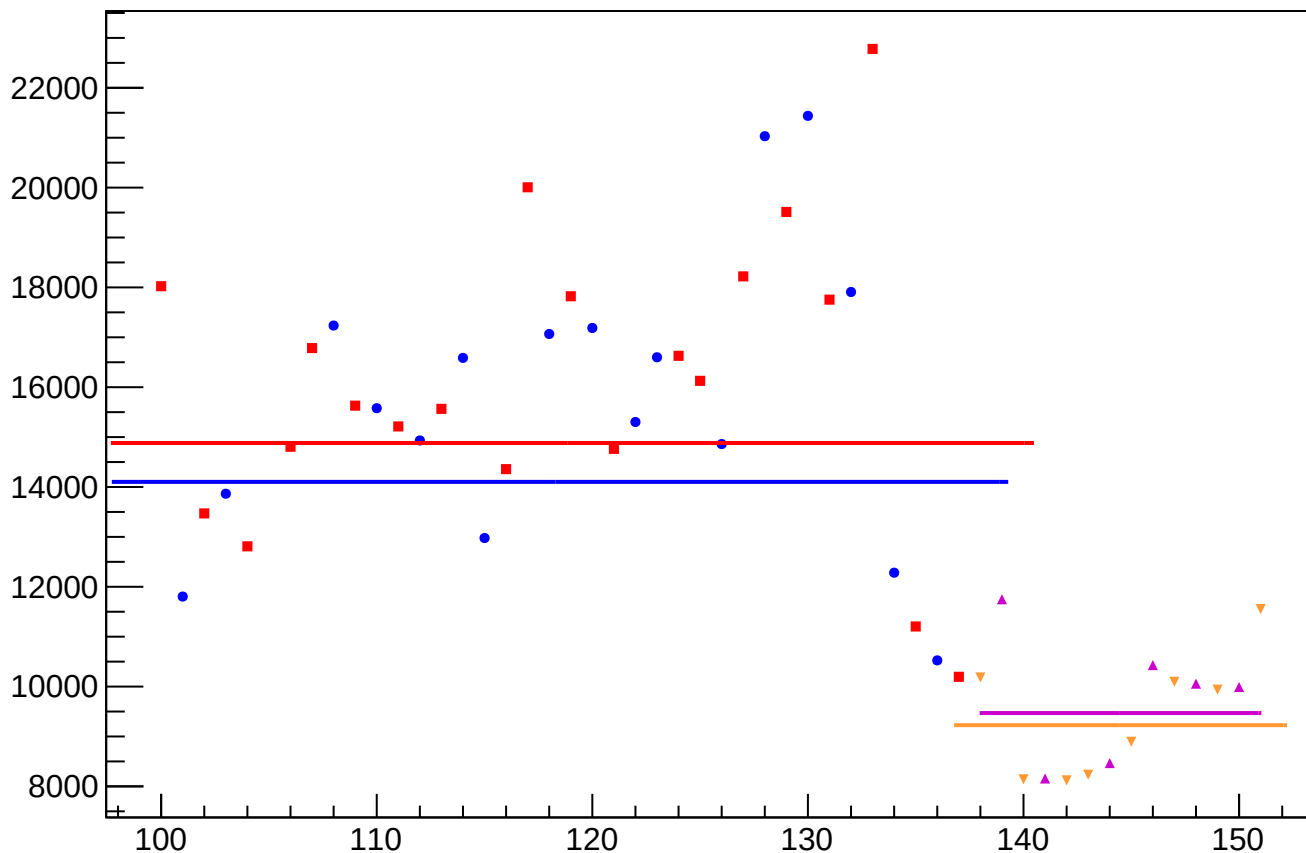
Left In: 2.780 ± 4.311 χ^2/NDF : 4.2/5

-10.806 ± 3.196 χ^2/NDF : 41.3/24

-3.100 ± 2.339 χ^2/NDF : 73.2/50

5.787 ± 3.432 χ^2/NDF : 19.4/25

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14102.522+/-3.979 χ^2/NDF : 598934.8/16

Left Out: 9226.469+/-2.746 χ^2/NDF : 161977.7/7

Right Out: 14882.066+/-4.011 χ^2/NDF : 475983.1/19

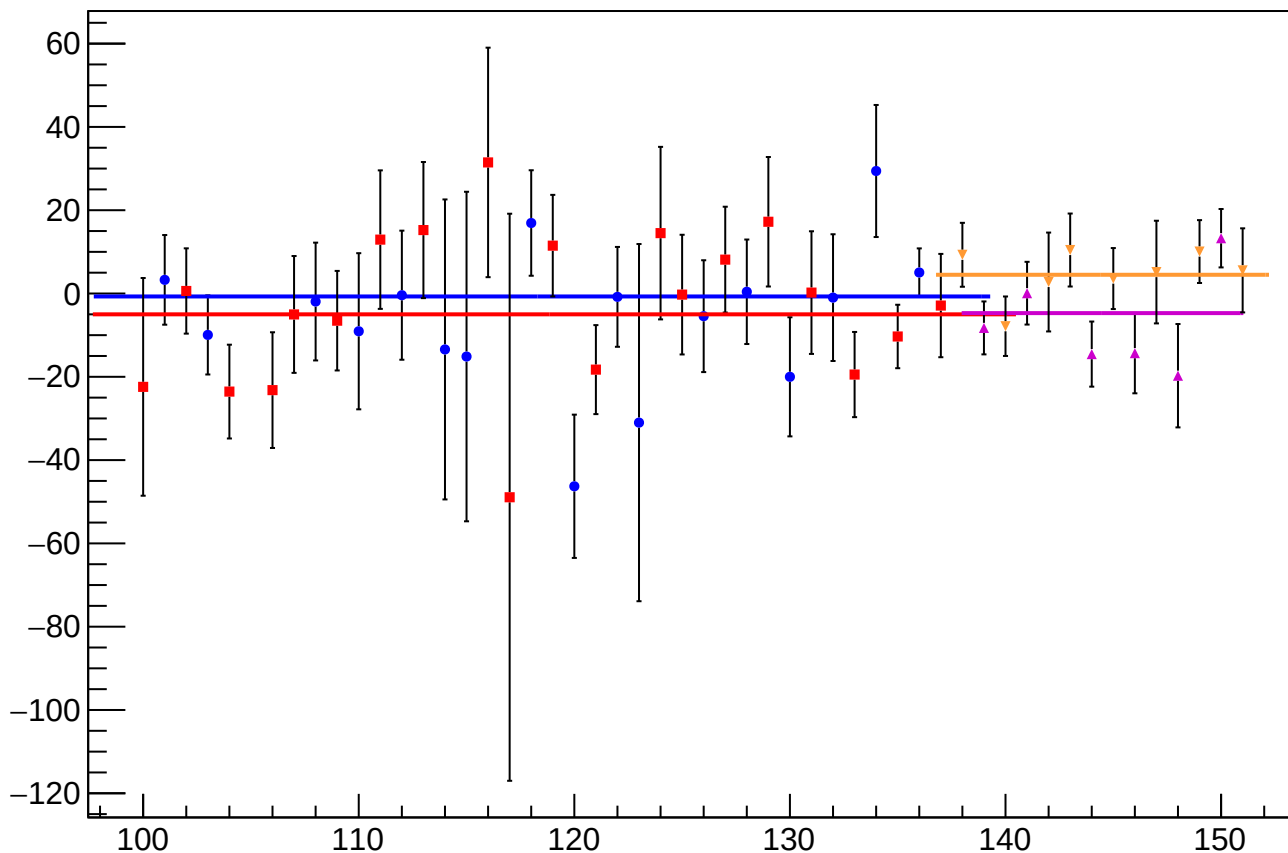
Left In: 9469.523+/-3.048 χ^2/NDF : 145808.0/5

10799.333+/-2.260 χ^2/NDF : 1778204.1/24

11102.021+/-1.654 χ^2/NDF : 3592934.4/5

11451.096+/-2.427 χ^2/NDF : 1776102.0/25

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.708 $\pm$ 3.084 χ^2/NDF : 17.6/16

Left Out: 4.498 $\pm$ 3.025 χ^2/NDF : 4.4/7

Right Out: -5.000 $\pm$ 2.937 χ^2/NDF : 20.2/19

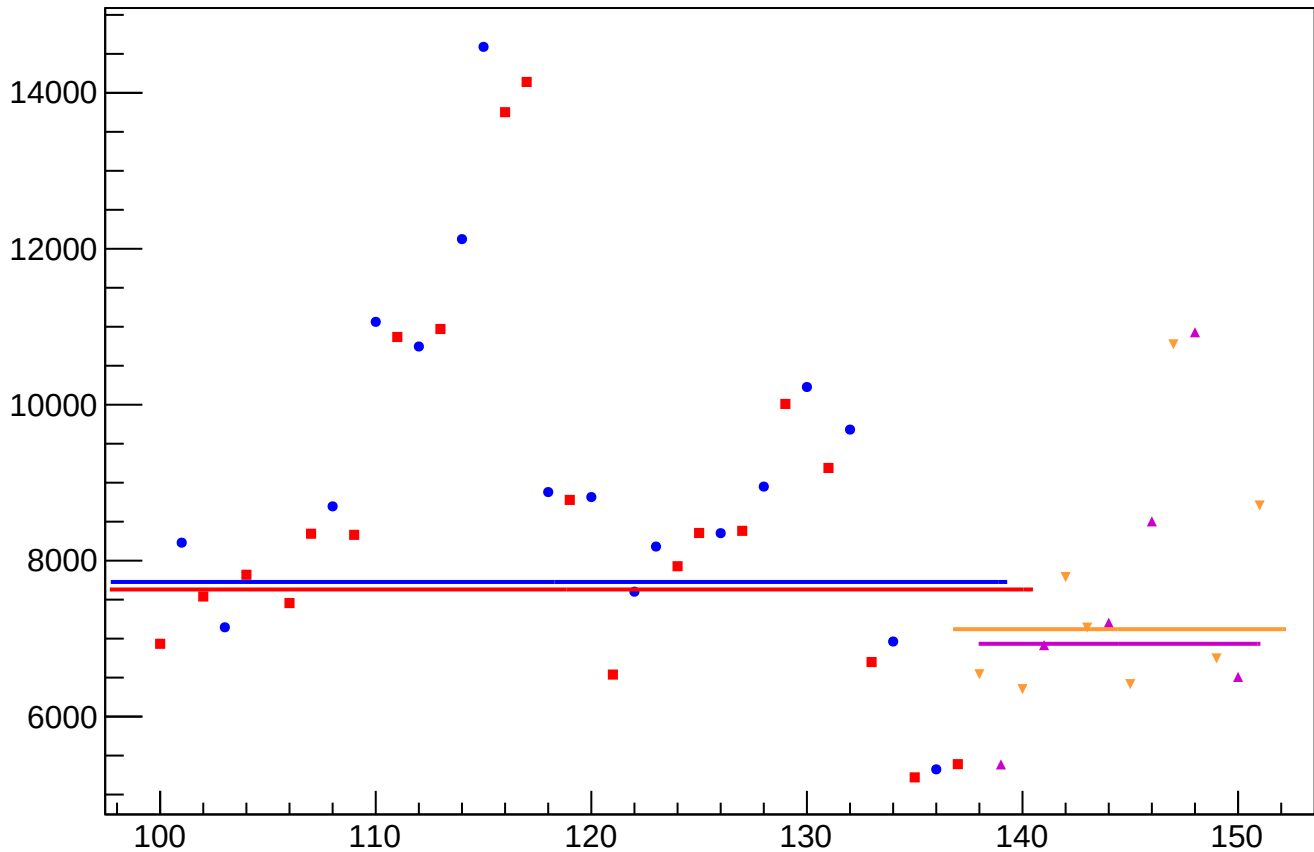
Left In: -4.706 $\pm$ 3.222 χ^2/NDF : 11.3/5

1.945 $\pm$ 2.159 χ^2/NDF : 23.4/24

-1.443 $\pm$ 1.531 χ^2/NDF : 59.9/50

-4.866 $\pm$ 2.170 χ^2/NDF : 31.5/25

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7726.745 $\pm$ 2.180 χ^2 /NDF: 742512.8/16

Left Out: 7121.078 $\pm$ 2.139 χ^2 /NDF: 289504.7/7

Right Out: 7630.342 $\pm$ 2.077 χ^2 /NDF: 693444.5/19

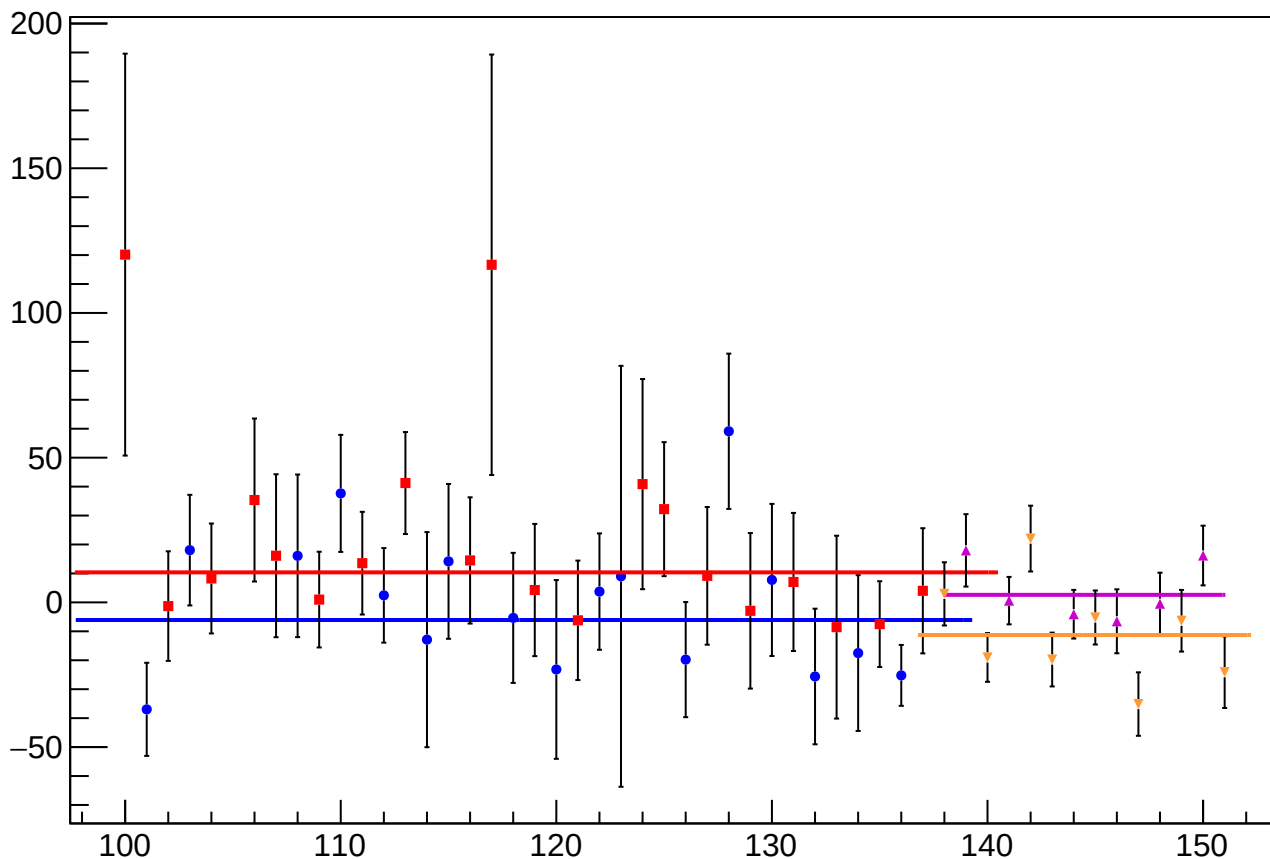
Left In: 6933.589 $\pm$ 2.278 χ^2 /NDF: 388653.2/5

7418.062 $\pm$ 1.527 χ^2 /NDF: 1071344.1/24

7366.366 $\pm$ 1.082 χ^2 /NDF: 2206836.3/50

7314.133 $\pm$ 1.535 χ^2 /NDF: 1133187.4/25

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -6.092 ± 5.034 χ^2/NDF : 22.9/16

Left Out: -11.278 ± 3.606 χ^2/NDF : 18.4/7

Right Out: 10.369 ± 4.992 χ^2/NDF : 13.8/19

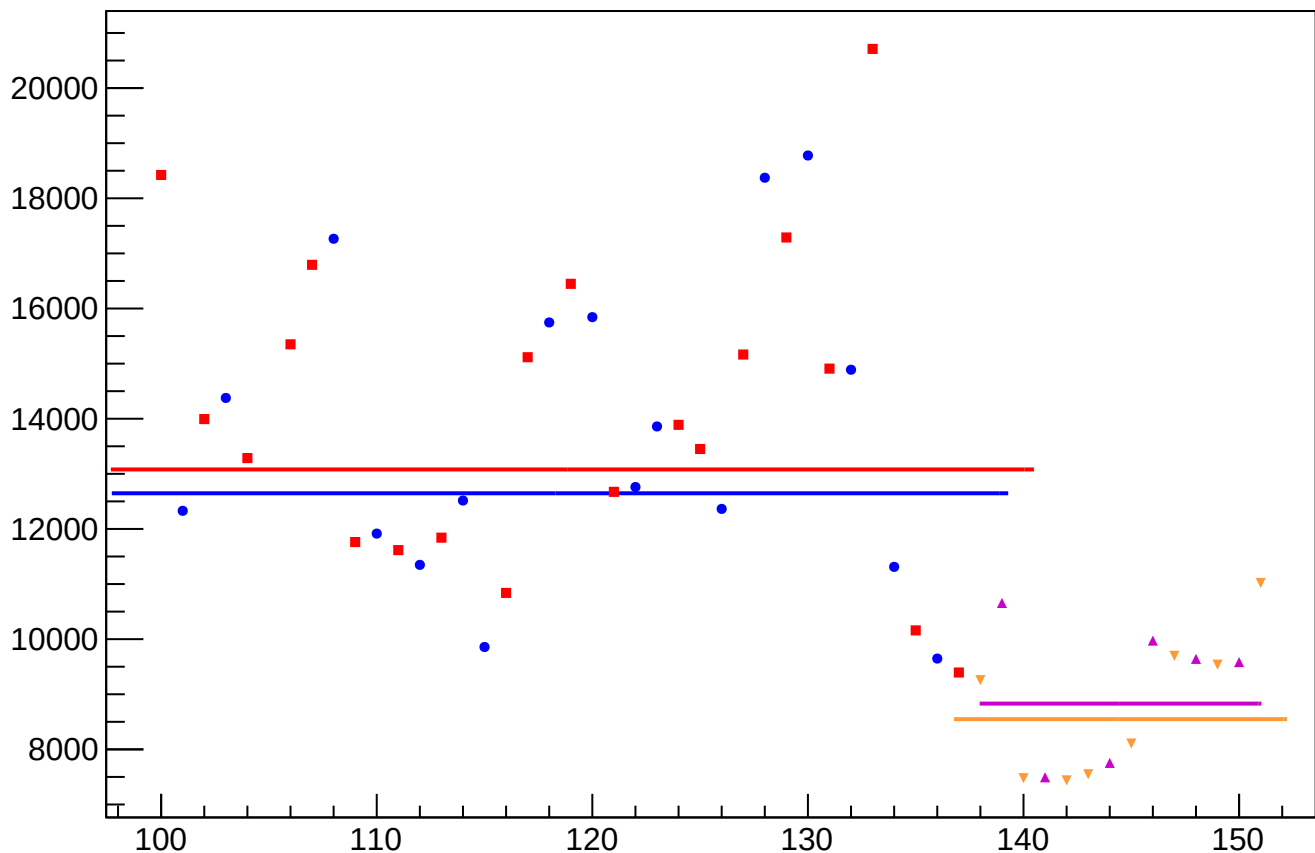
Left In: 2.600 ± 4.025 χ^2/NDF : 4.7/5

-9.519 ± 2.931 χ^2/NDF : 42.0/24

-2.435 ± 2.141 χ^2/NDF : 74.5/50

5.661 ± 3.133 χ^2/NDF : 20.0/25

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12647.257 $\pm$ 3.559 χ^2/NDF : 554320.4/16

Left Out: 8548.294 $\pm$ 2.550 χ^2/NDF :206432.6/7

Right Out: 13079.592 $\pm$ 3.530 χ^2/NDF : 497851.1/19

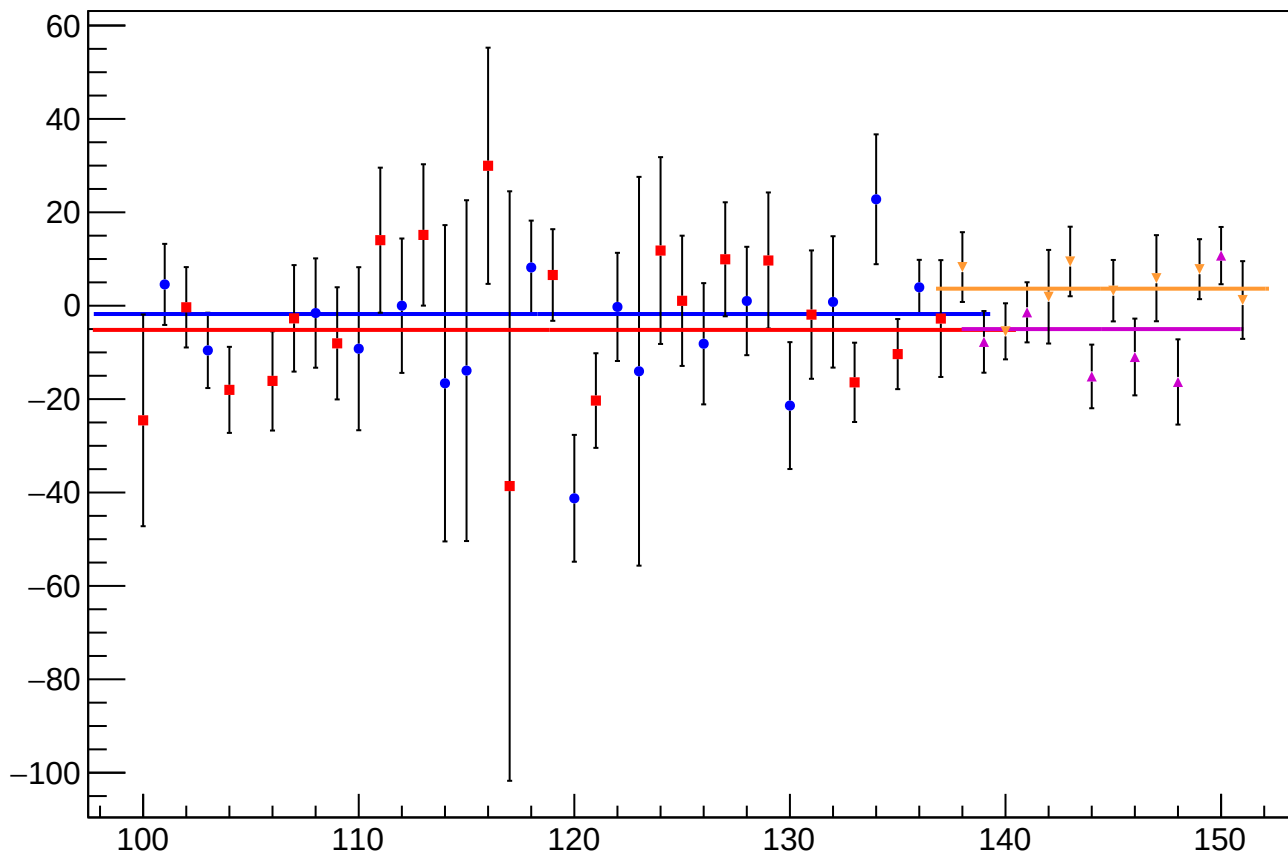
Left In: 8830.771 $\pm$ 2.846 χ^2/NDF :172126.0/5

9938.211 $\pm$ 2.073 χ^2/NDF : 1637243.1/24

10202.716 $\pm$ 1.514 χ^2/NDF : 3220157.2/5

10504.977 $\pm$ 2.216 χ^2/NDF : 1548017.7/25

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -1.777 ± 2.806 χ^2/NDF : 18.0/16

Left Out: 3.648 ± 2.606 χ^2/NDF : 3.9/7

Right Out: -5.181 ± 2.640 χ^2/NDF : 19.2/19

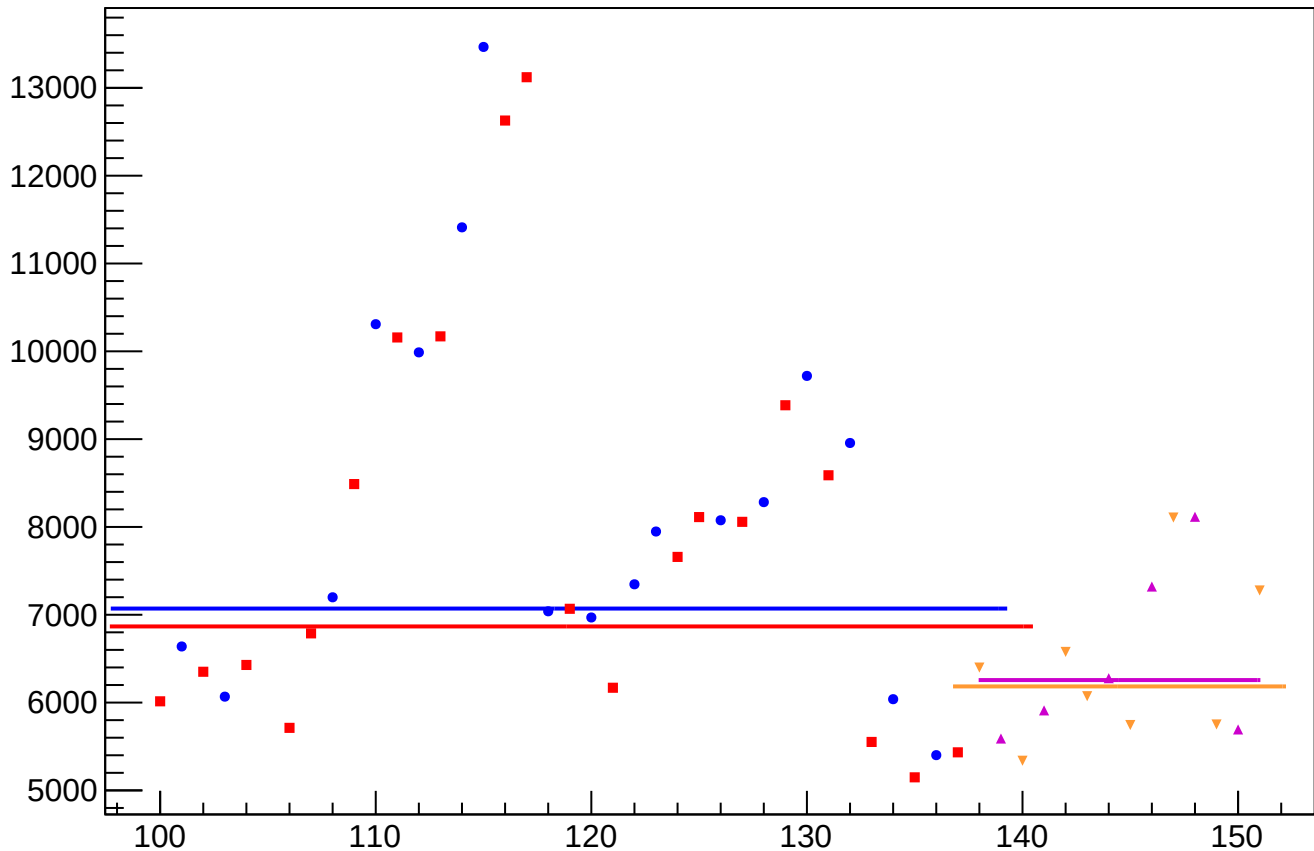
Left In: -5.004 ± 2.863 χ^2/NDF : 11.4/5

1.135 ± 1.910 χ^2/NDF : 23.9/24

-1.932 ± 1.361 χ^2/NDF : 59.7/50

-5.100 ± 1.941 χ^2/NDF : 30.5/25

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7070.672 ± 1.984 $\chi^2/\text{NDF}: 601692.5/16$

Left Out: 6183.943 ± 1.843 $\chi^2/\text{NDF}: 184440.6/7$

Right Out: 6867.094 ± 1.866 $\chi^2/\text{NDF}: 701892.5/19$

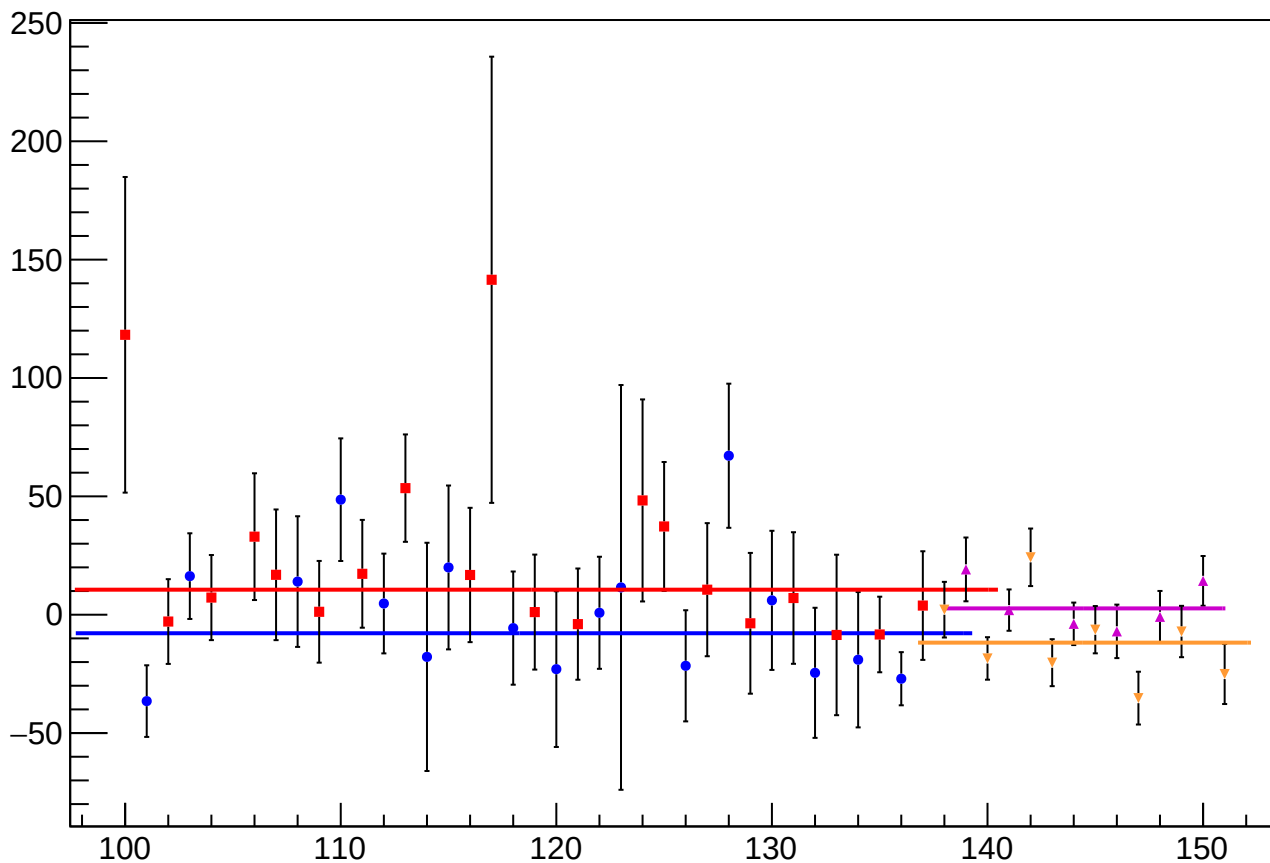
Left In: 6256.328 ± 2.024 $\chi^2/\text{NDF}: 159527.4/5$

6594.652 ± 1.350 $\chi^2/\text{NDF}: 893352.1/24$

6590.614 ± 0.962 $\chi^2/\text{NDF}: 1803994.5/50$

6586.444 ± 1.372 $\chi^2/\text{NDF}: 910624.2/25$

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -7.825 ± 5.516 χ^2/NDF : 22.3/16

Left Out: -11.797 ± 3.797 χ^2/NDF : 17.5/7

Right Out: 10.574 ± 5.561 χ^2/NDF : 14.1/19

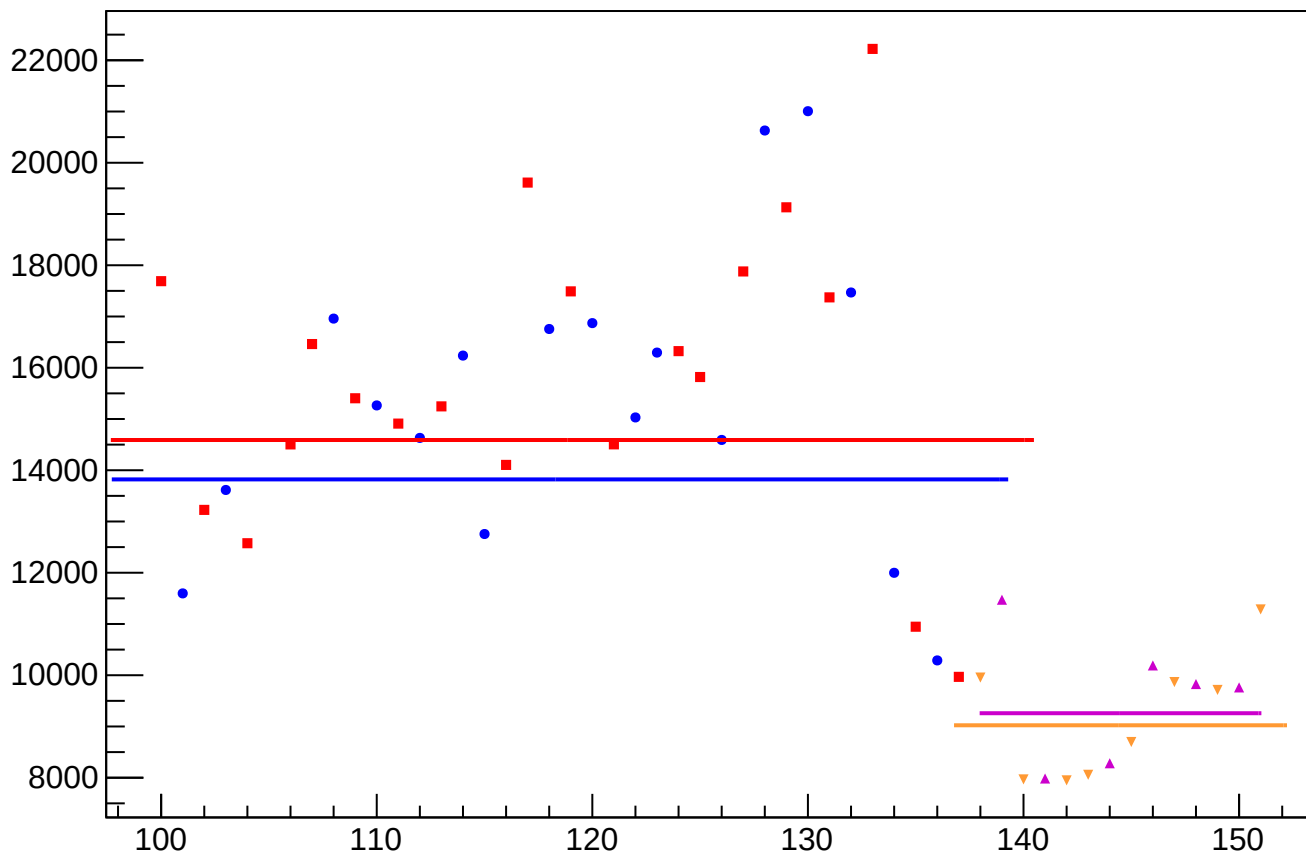
Left In: 2.667 ± 4.214 χ^2/NDF : 4.1/5

-10.520 ± 3.128 χ^2/NDF : 40.1/24

-3.057 ± 2.289 χ^2/NDF : 71.9/50

5.551 ± 3.359 χ^2/NDF : 19.5/25

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13821.195 $\pm$ 3.900 χ^2/NDF : 602672.4/16

Left Out: 9023.293 $\pm$ 2.685 χ^2/NDF :160143.3/7

Right Out: 14589.989 $\pm$ 3.933 χ^2/NDF : 478169.1/19

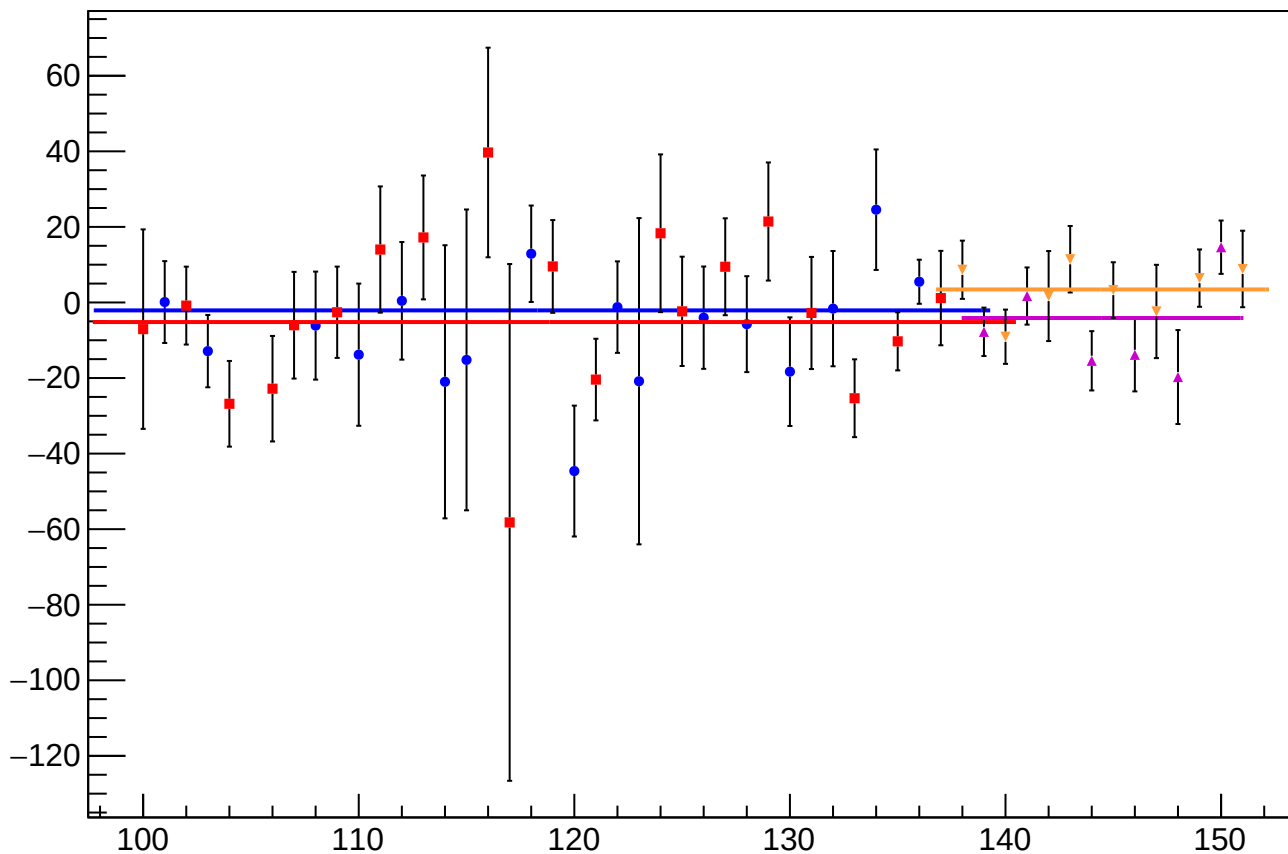
Left In: 9258.730 $\pm$ 2.980 χ^2/NDF :143947.8/5

10565.886 $\pm$ 2.212 χ^2/NDF : 1789562.9/24

10861.926 $\pm$ 1.619 χ^2/NDF : 3617743.3/5

11203.377 $\pm$ 2.375 χ^2/NDF : 1789593.1/25

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -2.098 $\pm$ 3.106 χ^2/NDF : 15.6/16

Left Out: 3.442 $\pm$ 3.039 χ^2/NDF : 5.0/7

Right Out: -5.184 $\pm$ 2.959 χ^2/NDF : 25.4/19

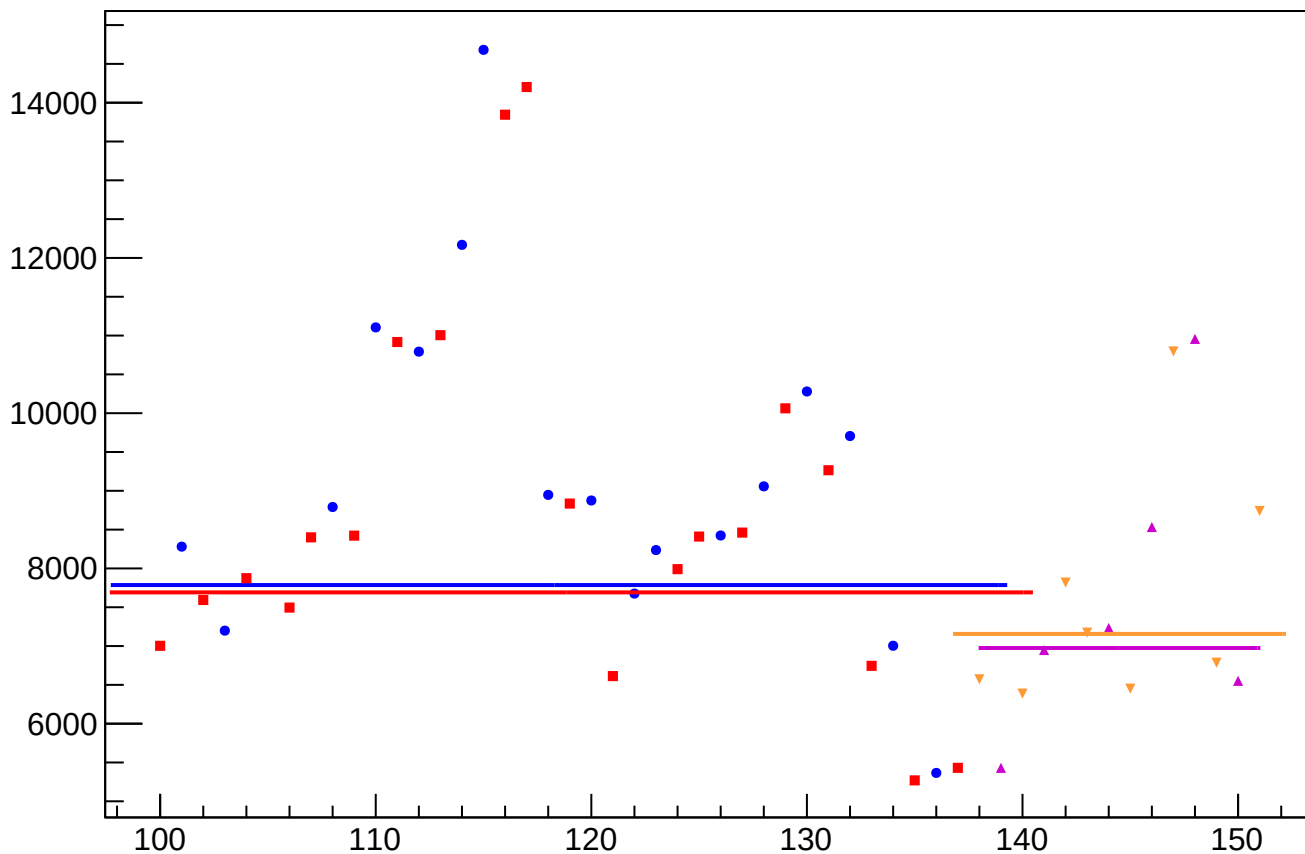
Left In: -4.117 $\pm$ 3.239 χ^2/NDF : 12.6/5

0.733 $\pm$ 2.172 χ^2/NDF : 22.3/24

-1.967 $\pm$ 1.540 χ^2/NDF : 63.5/50

-4.699 $\pm$ 2.185 χ^2/NDF : 38.1/25

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7785.931 $\pm$ 2.197 χ^2 /NDF: 738101.9/16

Left Out: 7156.411 $\pm$ 2.149 χ^2 /NDF: 286431.4/7

Right Out: 7691.398 $\pm$ 2.093 χ^2 /NDF: 686898.9/19

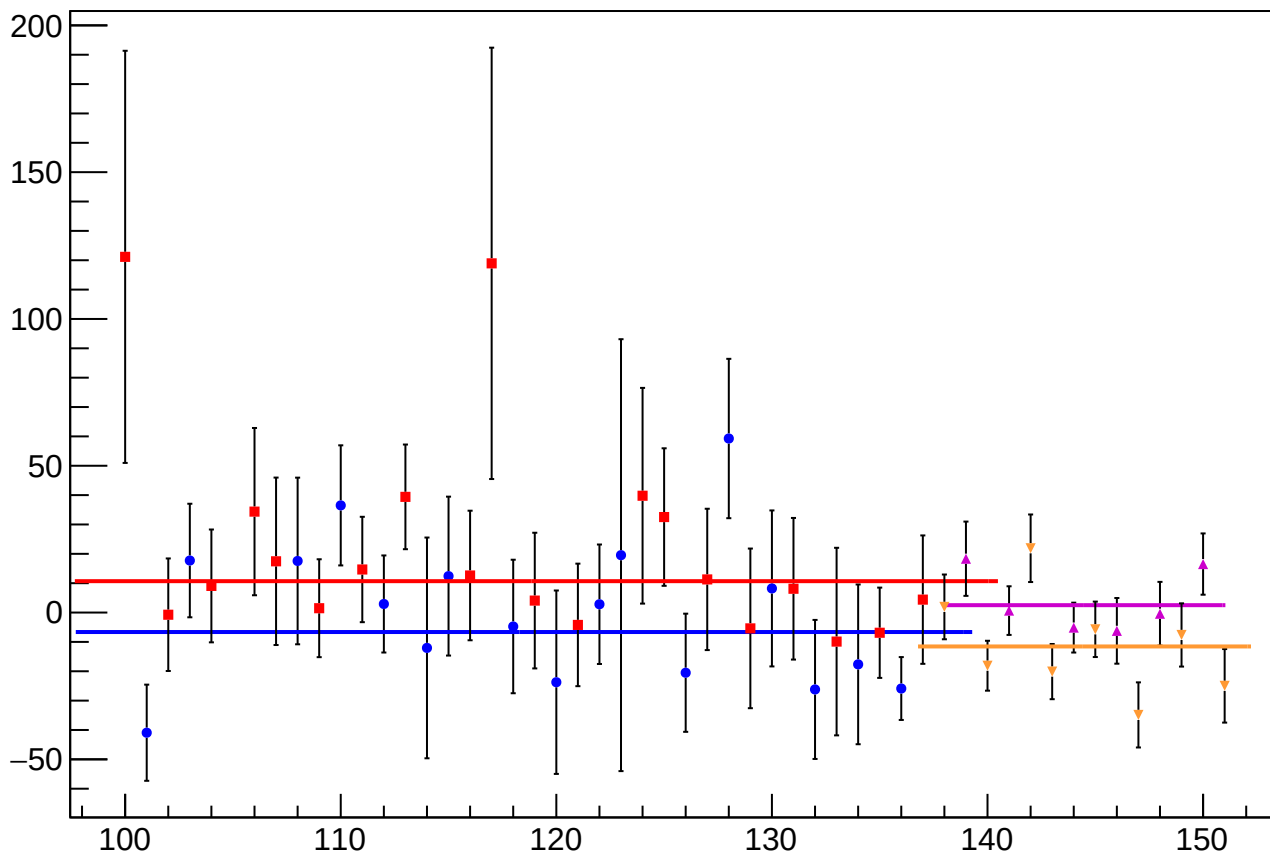
Left In: 6974.891 $\pm$ 2.291 χ^2 /NDF: 382567.9/5

7464.222 $\pm$ 1.536 χ^2 /NDF: 1066506.0/24

7415.113 $\pm$ 1.089 χ^2 /NDF: 2191363.8/50

7365.431 $\pm$ 1.545 χ^2 /NDF: 1122801.4/25

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -6.634 ± 5.101 χ^2/NDF : 23.4/16

Left Out: -11.551 ± 3.645 χ^2/NDF : 17.5/7

Right Out: 10.688 ± 5.063 χ^2/NDF : 13.0/19

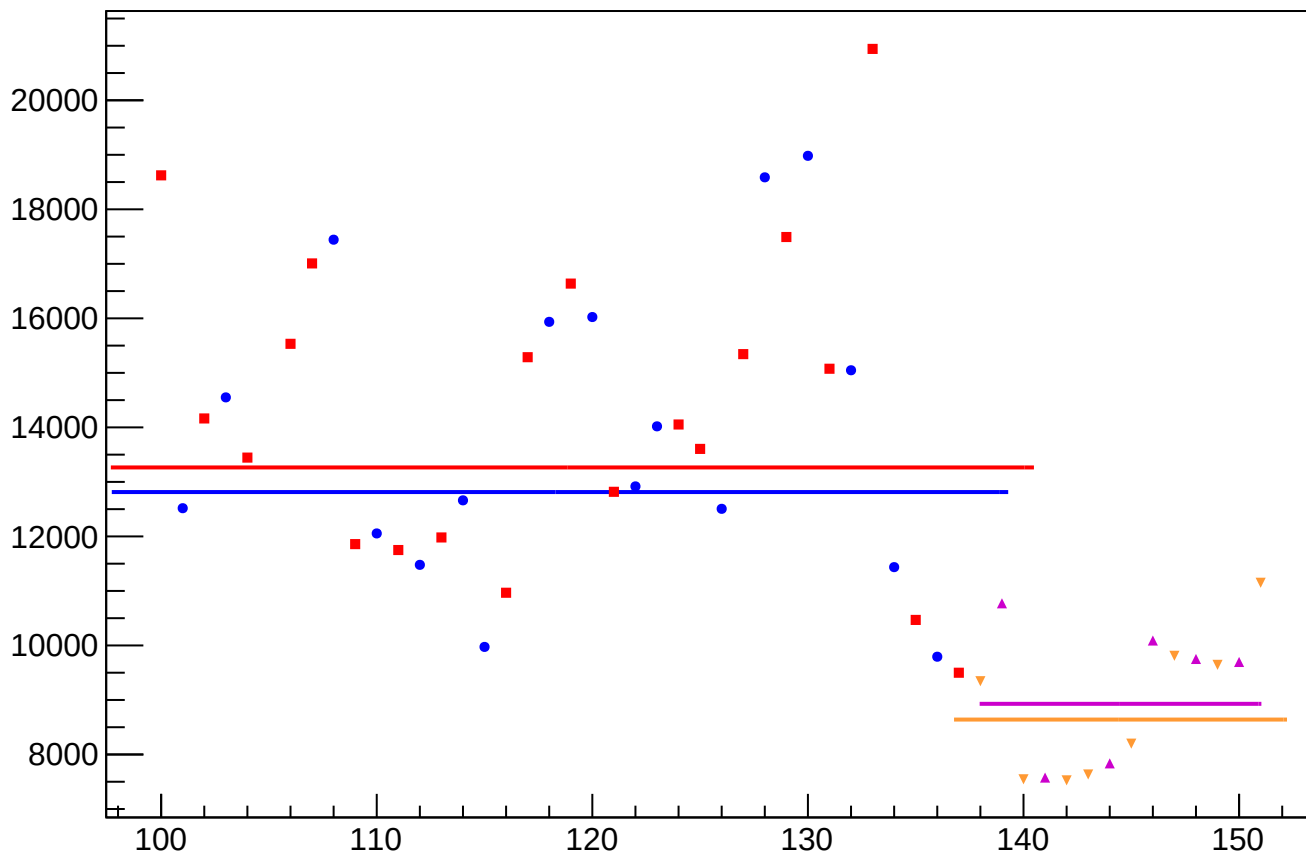
Left In: 2.511 ± 4.070 χ^2/NDF : 4.9/5

-9.890 ± 2.966 χ^2/NDF : 41.5/24

-2.609 ± 2.166 χ^2/NDF : 73.9/50

5.722 ± 3.172 χ^2/NDF : 19.5/25

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12813.726 $\pm$ 3.607 χ^2/NDF : 548127.6/16

Left Out: 8640.477 $\pm$ 2.577 χ^2/NDF :207411.4/7

Right Out: 13265.185 $\pm$ 3.580 χ^2/NDF : 485810.1/19

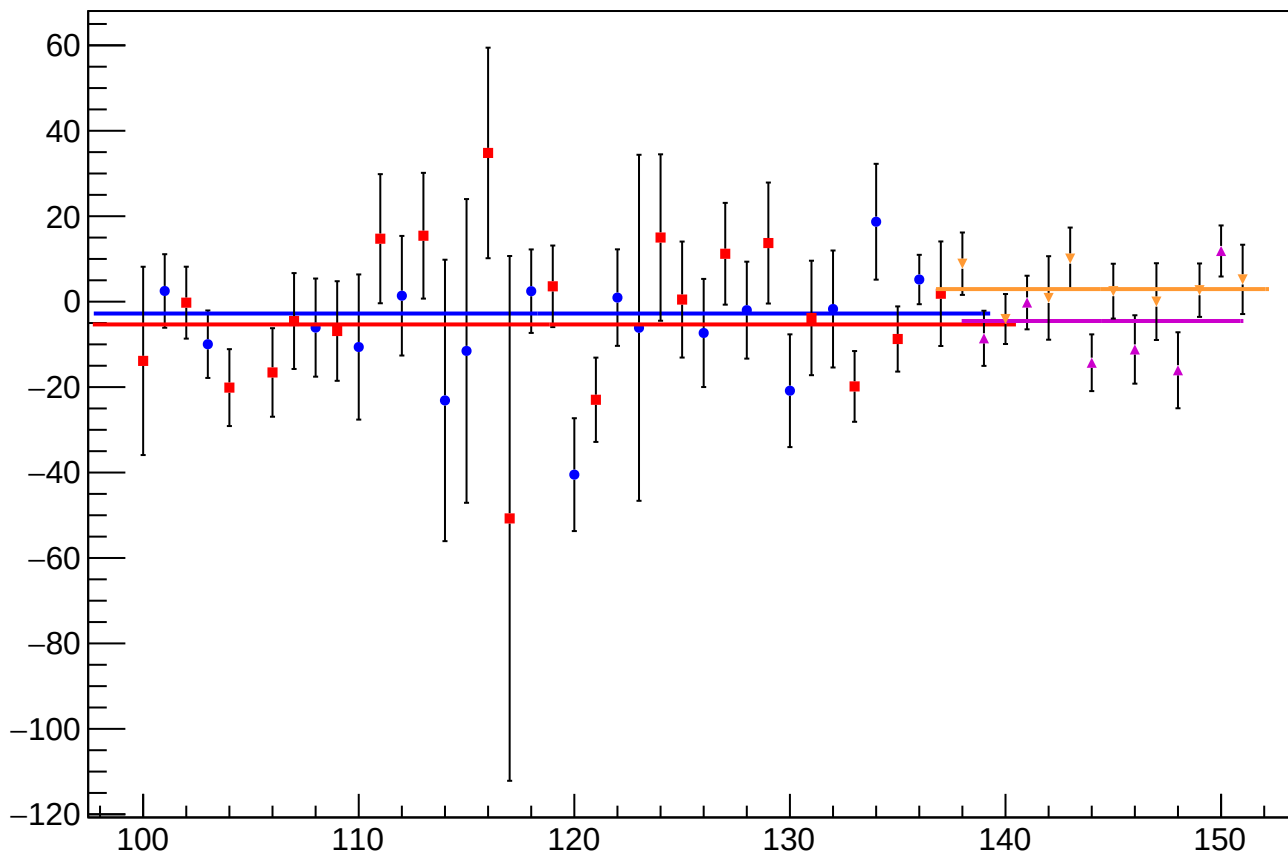
Left In: 8929.174 $\pm$ 2.878 χ^2/NDF :172794.9/5

10050.775 $\pm$ 2.097 χ^2/NDF : 1641695.4/24

10321.605 $\pm$ 1.532 χ^2/NDF : 3227148.8/5

10631.498 $\pm$ 2.243 χ^2/NDF : 1549685.7/25

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -2.778 ± 2.747 χ^2/NDF : 17.0/16

Left Out: 2.944 ± 2.542 χ^2/NDF : 3.3/7

Right Out: -5.332 ± 2.587 χ^2/NDF : 24.1/19

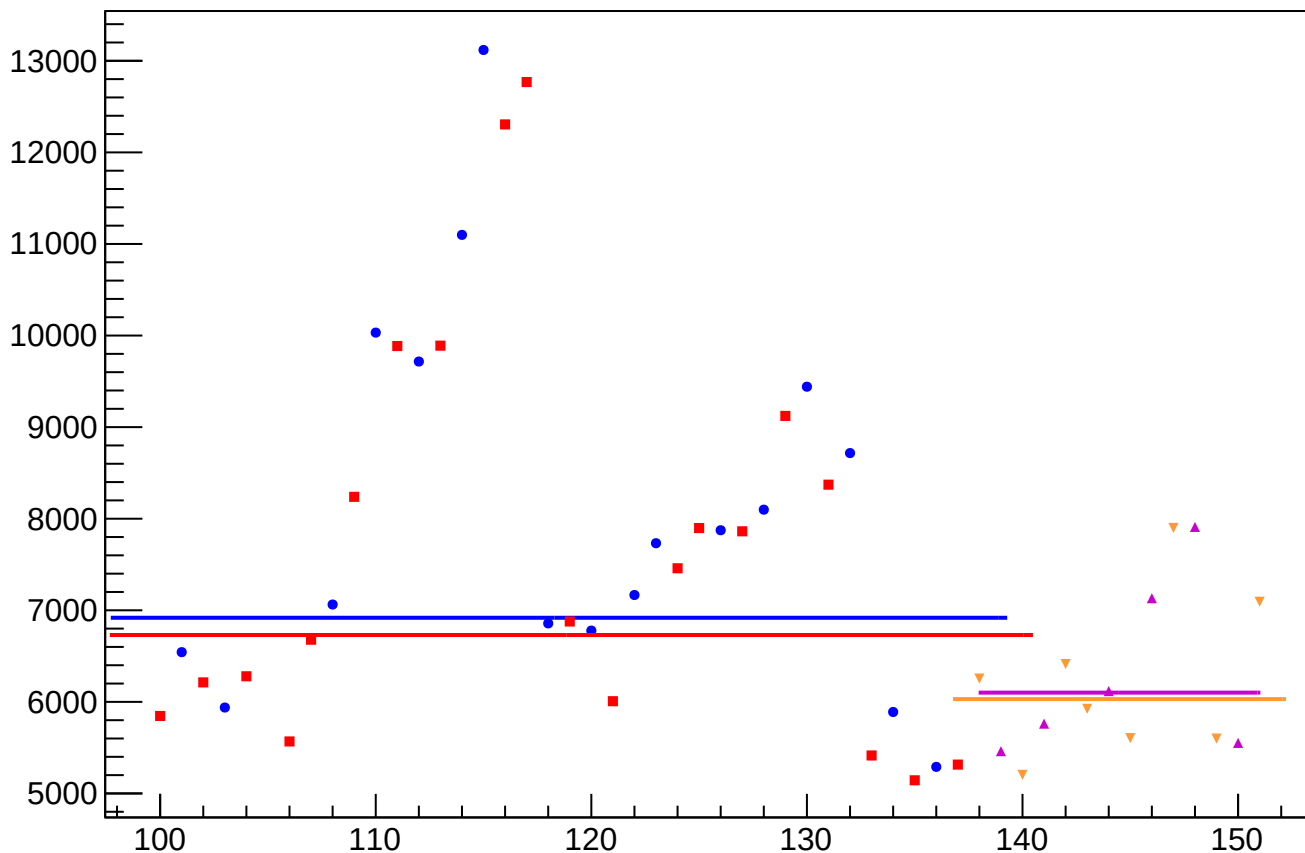
Left In: -4.527 ± 2.792 χ^2/NDF : 12.9/5

0.305 ± 1.866 χ^2/NDF : 22.6/24

-2.283 ± 1.330 χ^2/NDF : 63.6/50

-4.960 ± 1.898 χ^2/NDF : 37.1/25

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6918.554+/-1.943 χ^2/NDF : 587976.6/16

Left Out: 6030.230+/-1.797 χ^2/NDF : 184529.9/7

Right Out: 6730.137+/-1.830 χ^2/NDF : 673193.1/19

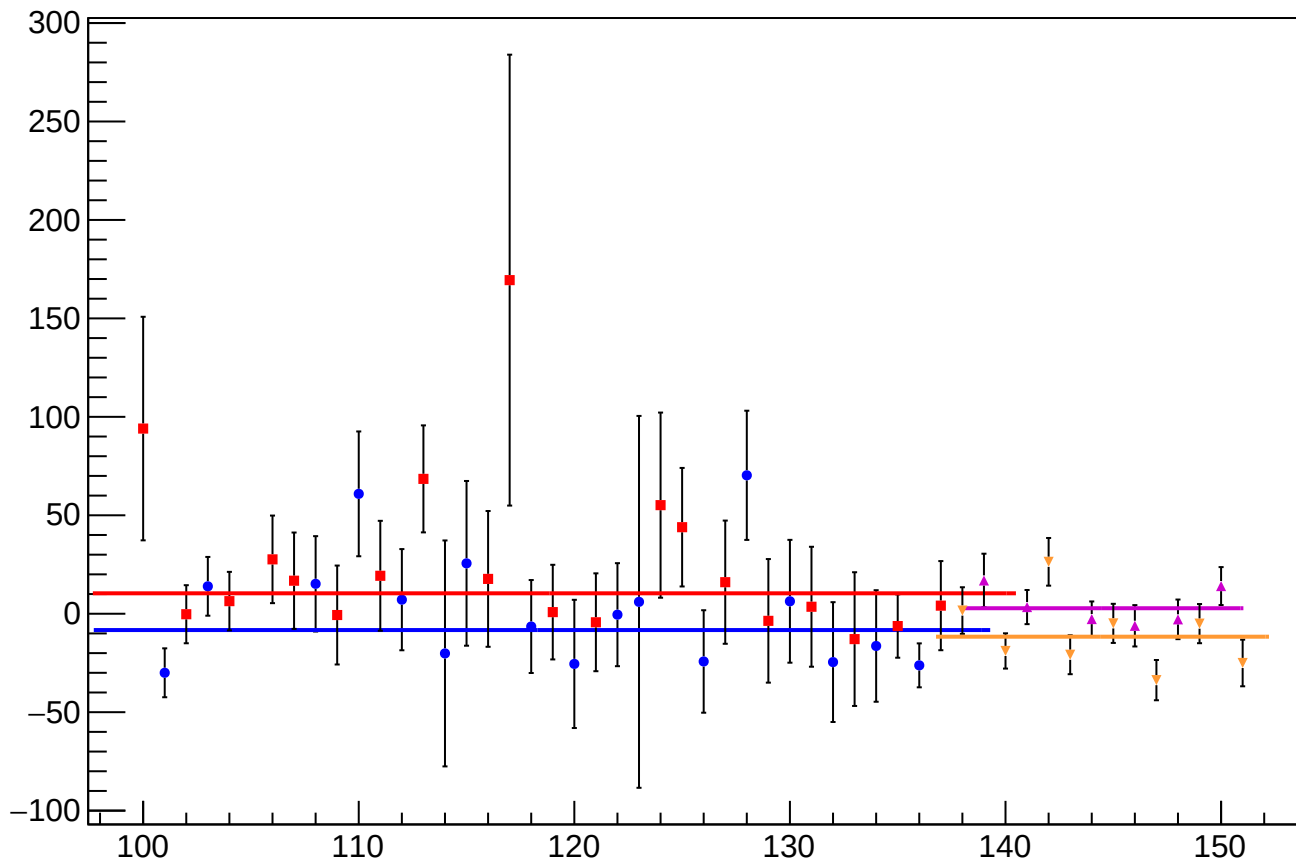
Left In: 6101.016+/-1.974 χ^2/NDF : 158261.5/5

6439.928+/-1.319 χ^2/NDF : 885184.3/24

6439.681+/-0.941 χ^2/NDF : 1771280.4/50

6439.427+/-1.342 χ^2/NDF : 886096.1/25

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.286 $\pm$ 5.410 χ^2/NDF : 21.7/16

Left Out: -11.660 $\pm$ 3.686 χ^2/NDF : 19.5/7

Right Out: 10.376 $\pm$ 5.507 χ^2/NDF : 14.8/19

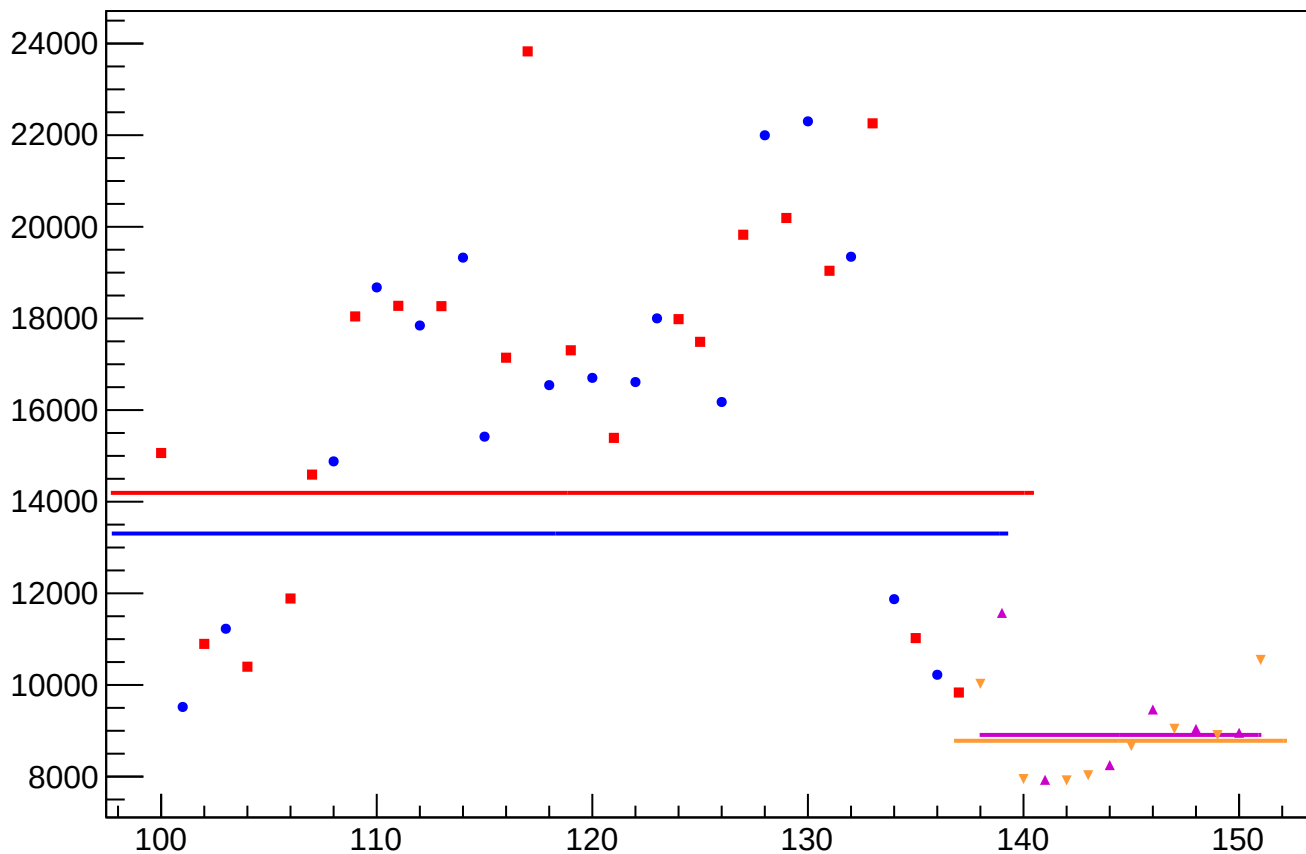
Left In: 2.795 $\pm$ 4.051 χ^2/NDF : 3.9/5

-10.590 $\pm$ 3.046 χ^2/NDF : 41.5/24

-3.118 $\pm$ 2.227 χ^2/NDF : 74.3/50

5.457 $\pm$ 3.263 χ^2/NDF : 19.9/25

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13305.410+/-3.826 χ^2/NDF : 1044091.1/16

Left Out: 8782.234+/-2.606 χ^2/NDF : 107566.6/7

Right Out: 14193.006+/-3.894 χ^2/NDF : 944809.1/19

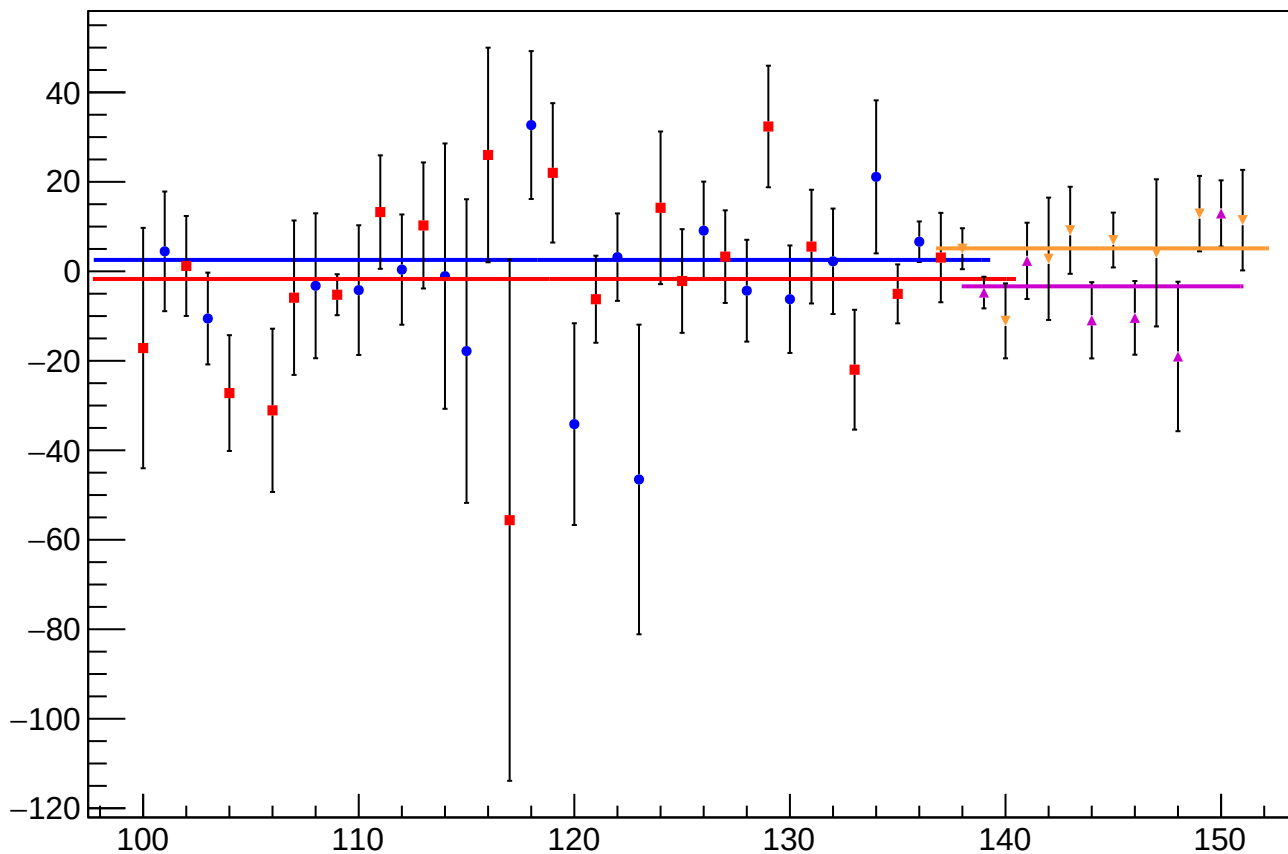
Left In: 8909.817+/-2.864 χ^2/NDF : 119177.0/5

10216.137+/-2.154 χ^2/NDF : 2106459.6/24

10471.694+/-1.575 χ^2/NDF : 4395182.9/5

10764.958+/-2.307 χ^2/NDF : 2258492.1/25

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.551 ± 2.757 $\chi^2/\text{NDF}: 13.6/16$

Left Out: 5.134 ± 2.772 $\chi^2/\text{NDF}: 5.2/7$

Right Out: -1.708 ± 2.440 $\chi^2/\text{NDF}: 24.9/19$

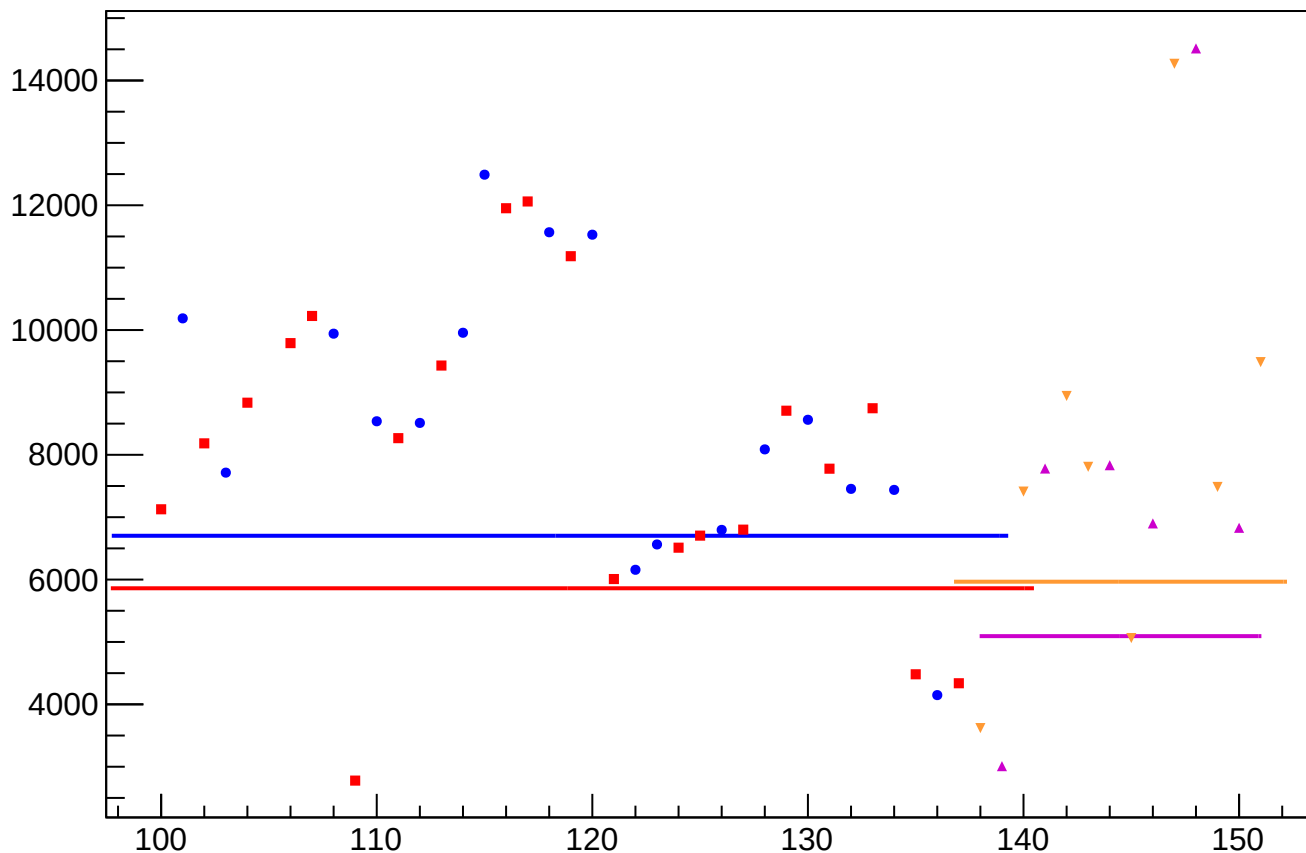
Left In: -3.354 ± 2.634 $\chi^2/\text{NDF}: 7.9/5$

3.836 ± 1.955 $\chi^2/\text{NDF}: 19.3/24$

0.407 ± 1.320 $\chi^2/\text{NDF}: 57.9/50$

-2.469 ± 1.790 $\chi^2/\text{NDF}: 32.9/25$

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6702.245 +/- 1.949 χ^2/NDF : 1389956.8/16

Left Out: 5965.990 +/- 1.960 χ^2/NDF : 1565393.3/7

Right Out: 5860.505 +/- 1.725 χ^2/NDF : 2301163.3/19

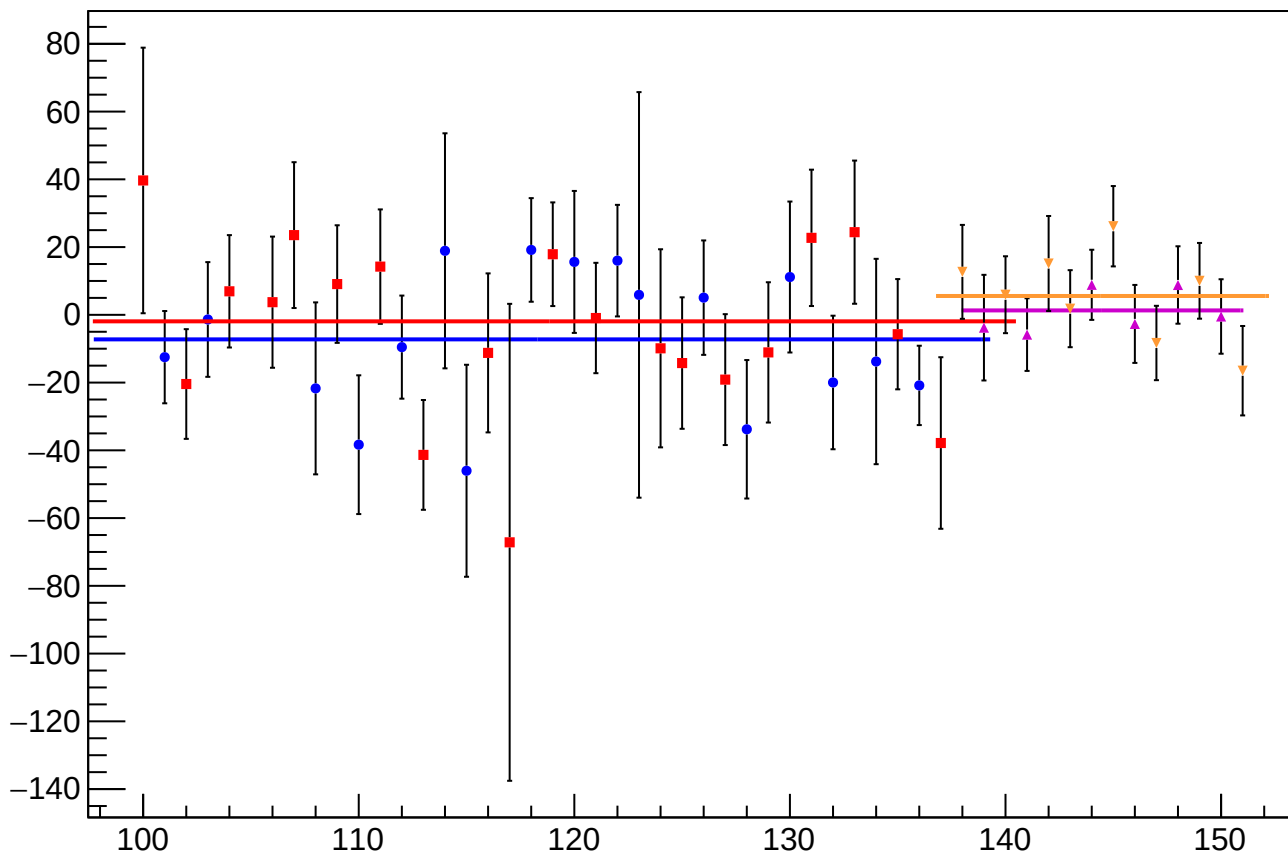
Left In: 5093.341 +/- 1.862 χ^2/NDF : 1943540.7/5

6336.078 +/- 1.382 χ^2/NDF : 3026296.2/24

5884.677 +/- 0.933 χ^2/NDF : 7558459.4/50

5506.114 +/- 1.266 χ^2/NDF : 4336023.2/25

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -7.245 $\pm$ 4.547 χ^2/NDF : 15.9/16

Left Out: 5.565 $\pm$ 4.267 χ^2/NDF : 8.4/7

Right Out: -1.922 $\pm$ 4.365 χ^2/NDF : 20.7/19

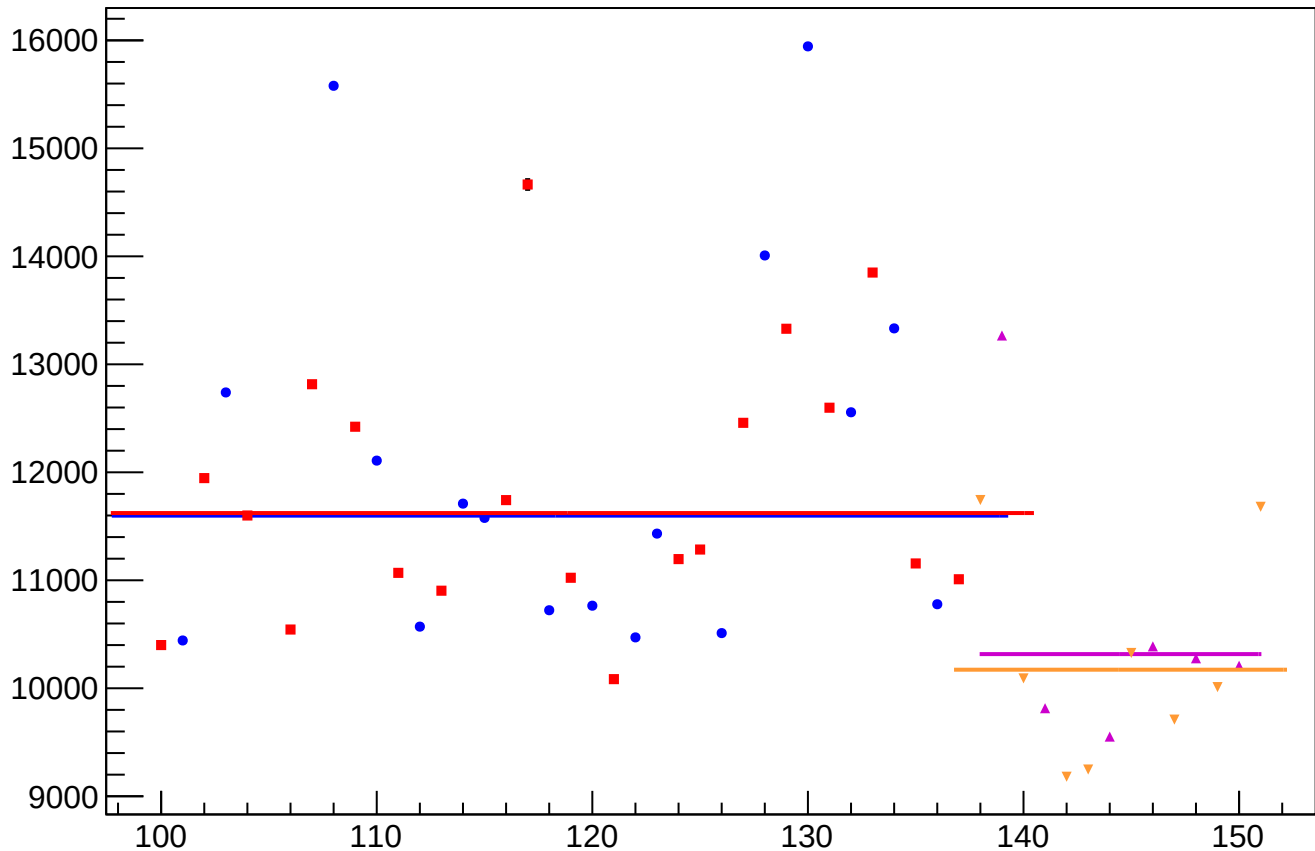
Left In: 1.306 $\pm$ 4.681 χ^2/NDF : 1.7/5

-0.434 $\pm$ 3.112 χ^2/NDF : 28.6/24

-0.428 $\pm$ 2.228 χ^2/NDF : 51.2/50

-0.421 $\pm$ 3.192 χ^2/NDF : 22.6/25

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11598.751 +/- 3.215 χ^2/NDF : 235423.8/16

Left Out: 10171.987 +/- 3.017 χ^2/NDF : 79411.7/7

Right Out: 11622.681 +/- 3.086 χ^2/NDF : 98197.0/19

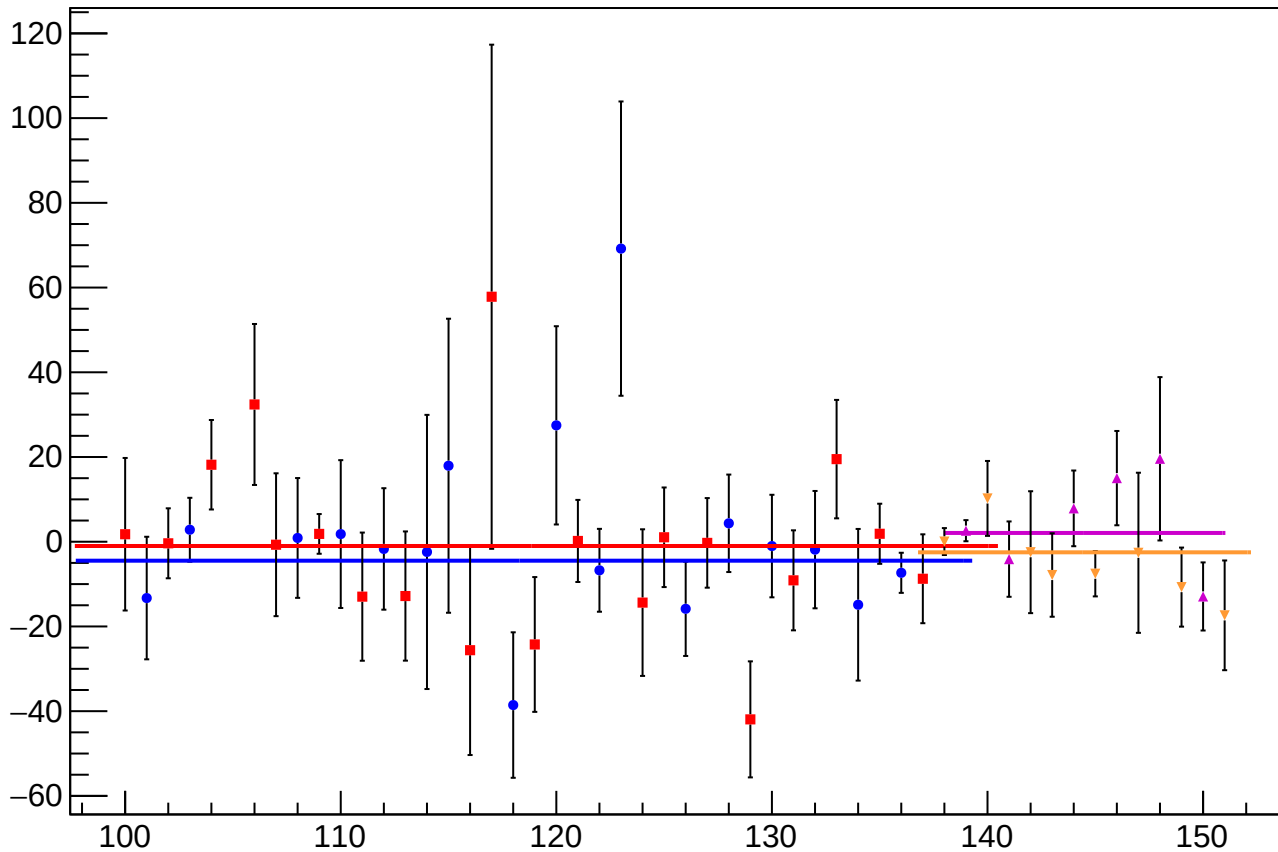
Left In: 10316.468 +/- 3.310 χ^2/NDF : 87161.7/5

10840.112 +/- 2.200 χ^2/NDF : 419543.9/24

10925.433 +/- 1.576 χ^2/NDF : 691291.2/50

11015.245 +/- 2.257 χ^2/NDF : 268660.4/25

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -4.476 ± 2.782 χ^2/NDF : 14.8/16

Left Out: -2.500 ± 2.343 χ^2/NDF : 6.0/7

Right Out: -1.007 ± 2.427 χ^2/NDF : 25.0/19

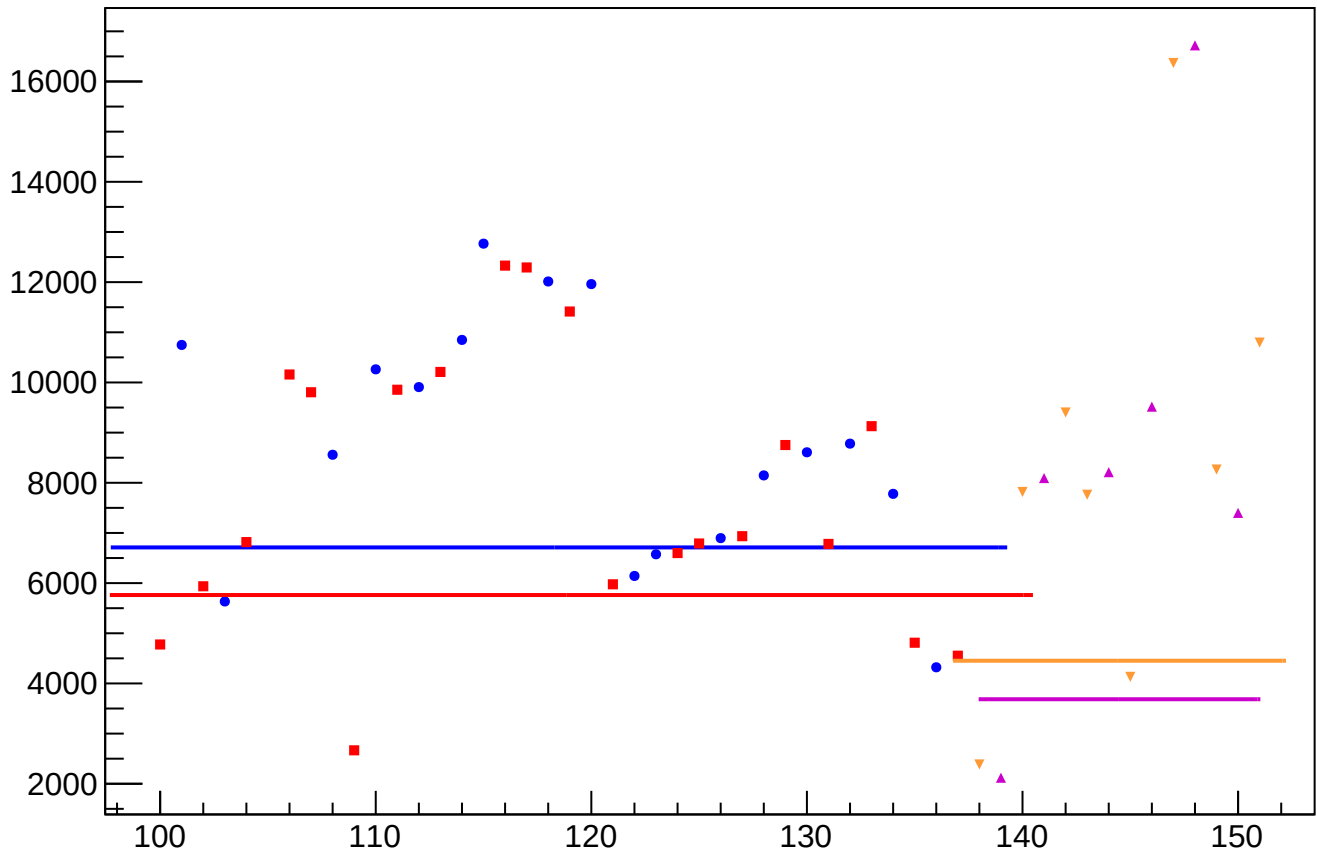
Left In: 2.073 ± 2.169 χ^2/NDF : 6.6/5

-3.320 ± 1.792 χ^2/NDF : 21.1/24

-1.101 ± 1.201 χ^2/NDF : 56.4/50

0.706 ± 1.617 χ^2/NDF : 32.5/25

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6711.550 +/- 1.967 χ^2/NDF : 1446972.0/16

Left Out: 4452.434 +/- 1.657 χ^2/NDF : 3214544.4/7

Right Out: 5762.387 +/- 1.716 χ^2/NDF : 2189239.7/19

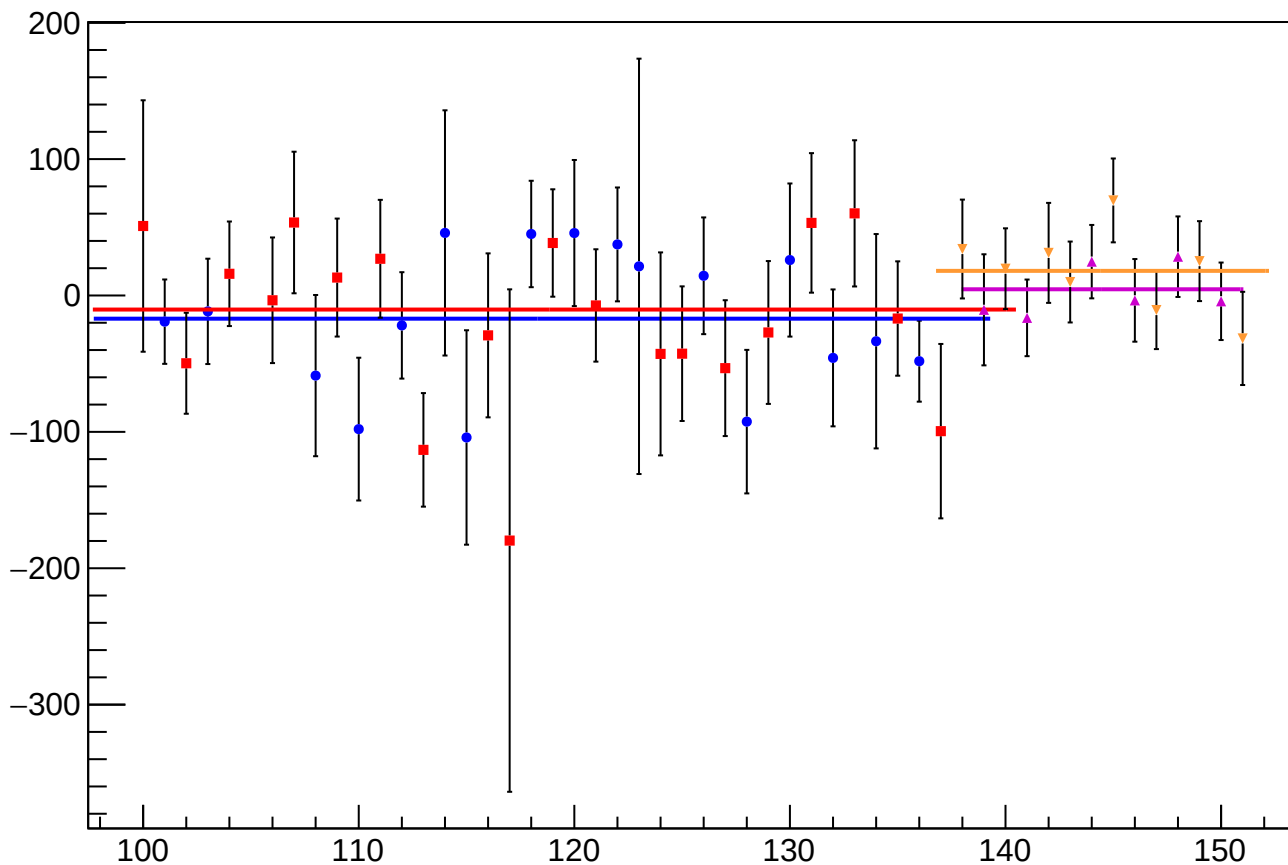
Left In: 3684.956 +/- 1.534 χ^2/NDF : 3684416.8/5

5390.203 +/- 1.267 χ^2/NDF : 5433071.7/24

4958.743 +/- 0.849 χ^2/NDF : 12331744.4/5

4607.419 +/- 1.144 χ^2/NDF : 6688373.6/25

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -17.010 ± 11.287 $\chi^2/\text{NDF}: 15.0/16$

Left Out: 18.052 ± 11.124 $\chi^2/\text{NDF}: 6.4/7$

Right Out: -10.311 ± 10.872 $\chi^2/\text{NDF}: 19.9/19$

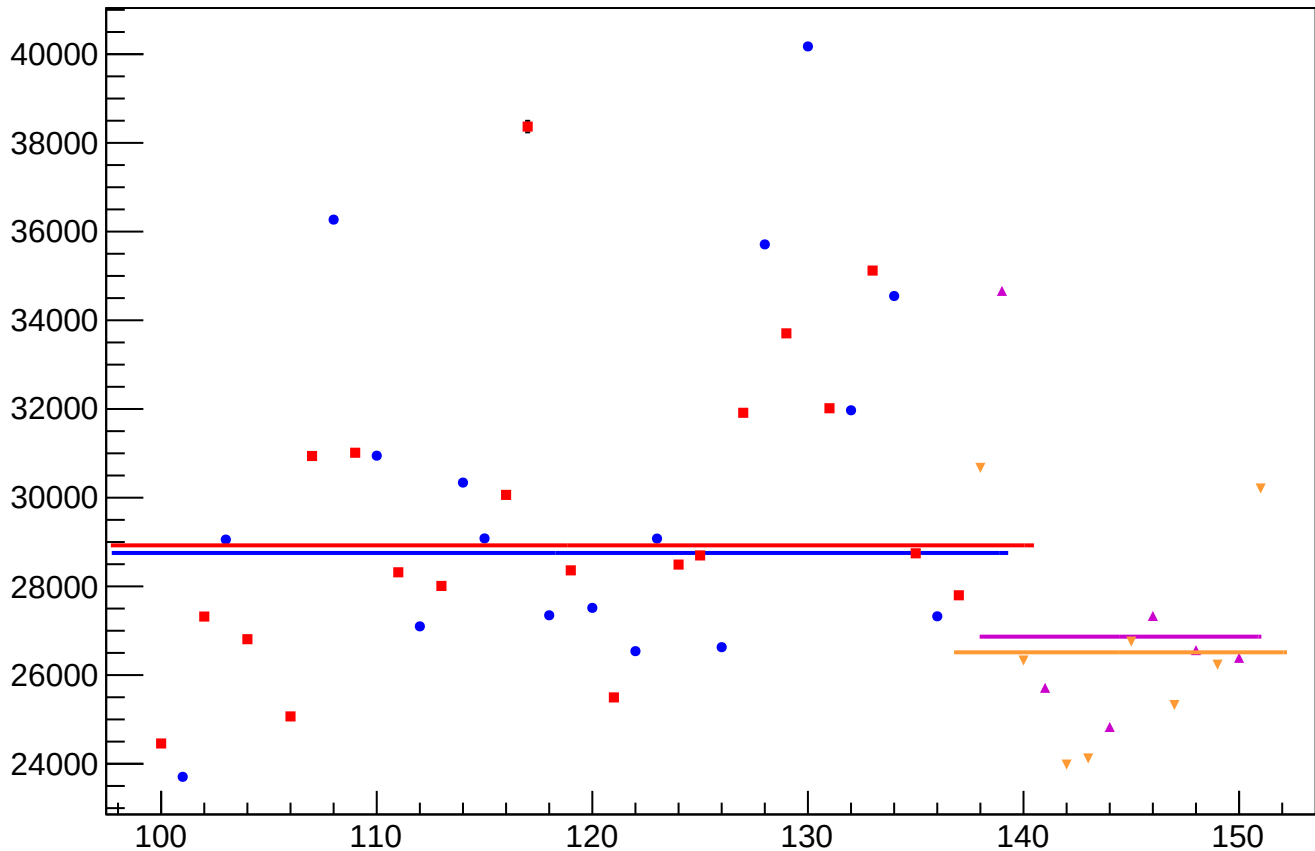
Left In: 4.546 ± 12.193 $\chi^2/\text{NDF}: 2.1/5$

0.776 ± 7.923 $\chi^2/\text{NDF}: 26.3/24$

-1.424 ± 5.669 $\chi^2/\text{NDF}: 49.2/50$

-3.731 ± 8.114 $\chi^2/\text{NDF}: 22.8/25$

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28753.787 $\pm$ 7.981 χ^2/NDF : 249215.1/16

Left Out: 26513.136 $\pm$ 7.866 χ^2/NDF : 76099.0/7

Right Out: 28925.160 $\pm$ 7.687 χ^2/NDF : 116514.7/19

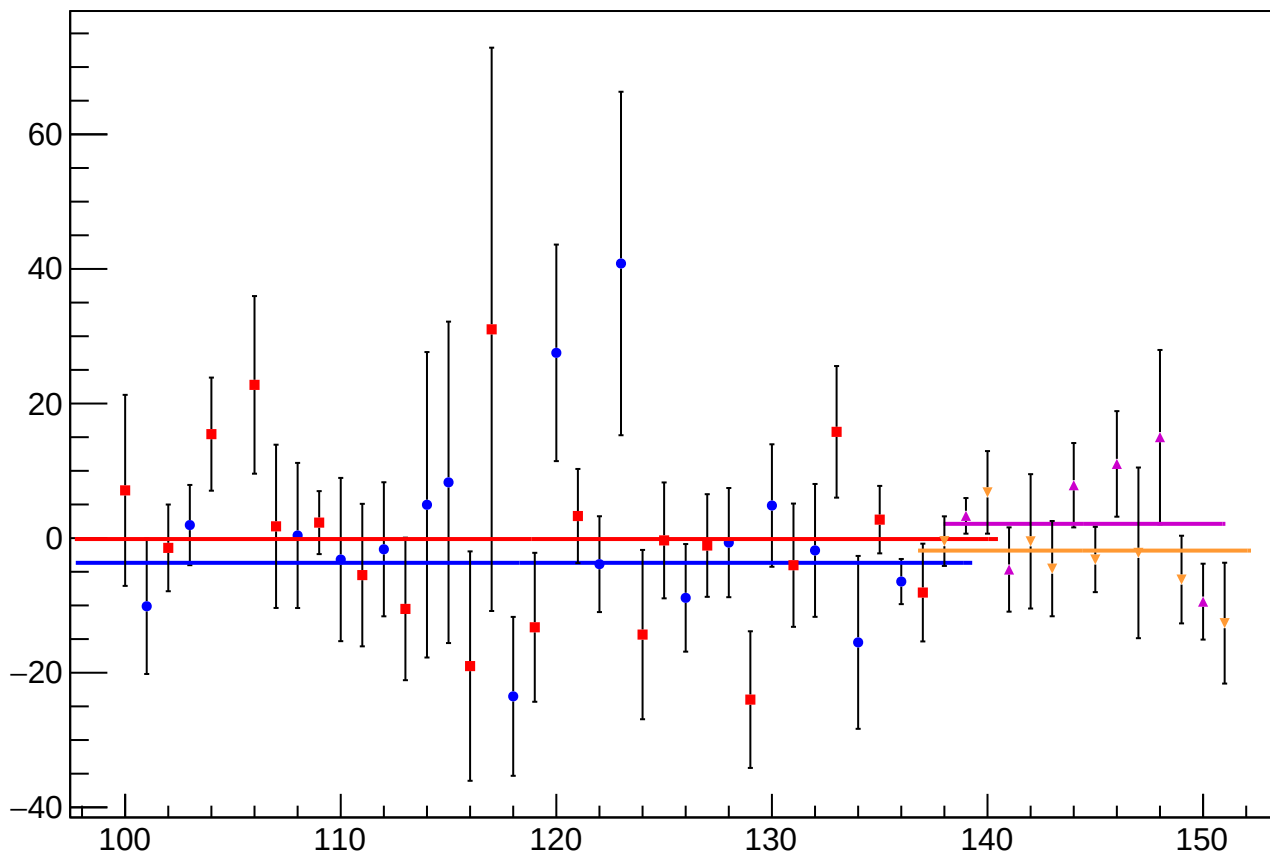
Left In: 26866.250 $\pm$ 8.622 χ^2/NDF : 89386.2/5

27617.186 $\pm$ 5.602 χ^2/NDF : 365294.6/24

27810.487 $\pm$ 4.009 χ^2/NDF : 605405.4/50

28013.243 $\pm$ 5.738 χ^2/NDF : 237671.6/25

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -3.668 ± 2.010 χ^2/NDF : 14.5/16

Left Out: -1.851 ± 2.157 χ^2/NDF : 4.3/7

Right Out: -0.135 ± 1.891 χ^2/NDF : 22.9/19

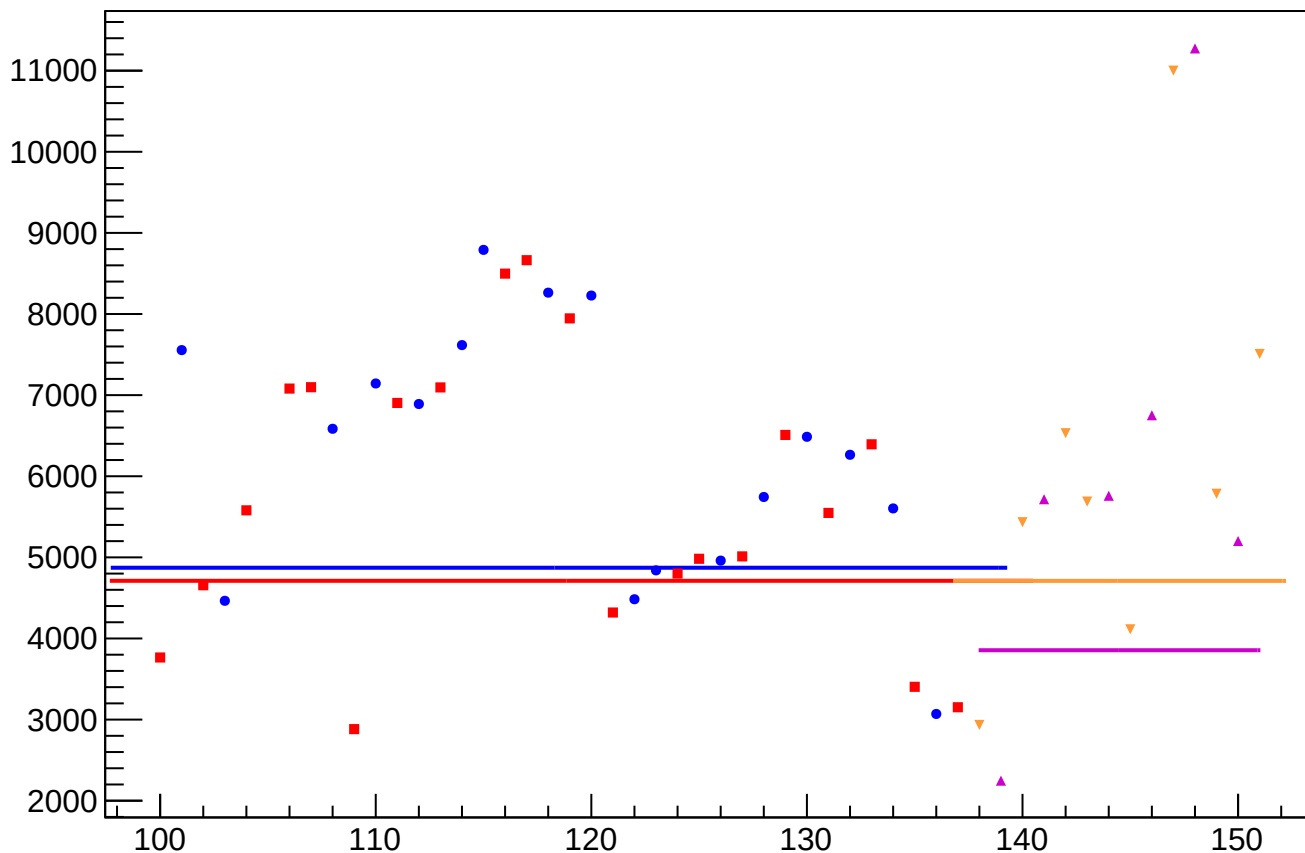
Left In: 2.124 ± 2.010 χ^2/NDF : 8.7/5

-2.824 ± 1.470 χ^2/NDF : 19.1/24

-0.827 ± 1.005 χ^2/NDF : 54.8/50

0.925 ± 1.377 χ^2/NDF : 32.2/25

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4872.105 $\pm$ 1.421 χ^2/NDF : 1405253.2/16

Left Out: 4709.881 $\pm$ 1.525 χ^2/NDF : 1368294.9/7

Right Out: 4711.077 $\pm$ 1.337 χ^2/NDF : 1330595.4/19

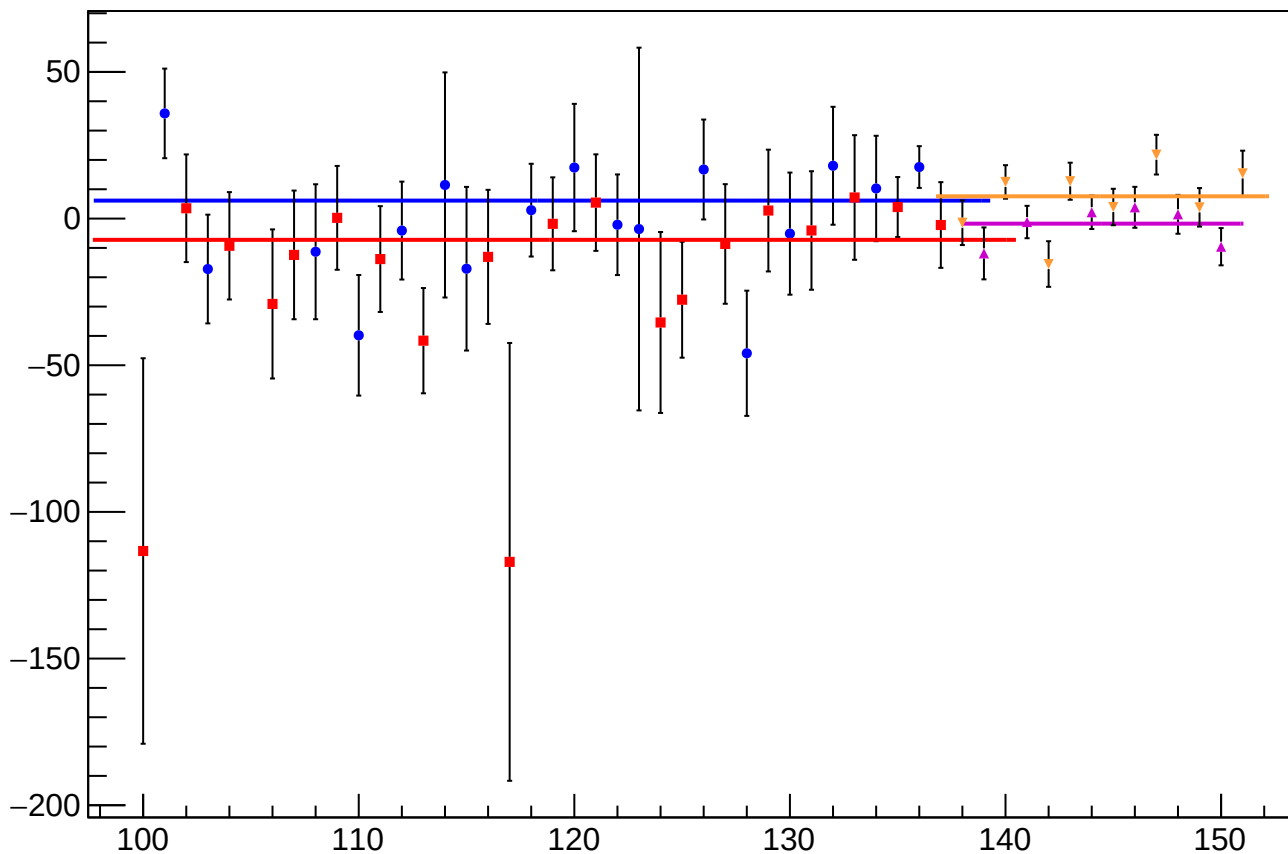
Left In: 3855.224 $\pm$ 1.422 χ^2/NDF : 2142704.4/5

4796.721 $\pm$ 1.040 χ^2/NDF : 2779603.3/24

4537.123 $\pm$ 0.711 χ^2/NDF : 6562269.2/50

4309.370 $\pm$ 0.974 χ^2/NDF : 3665641.8/25

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 6.133 $\pm$ 4.080 χ^2/NDF : 22.2/16

Left Out: 7.599 $\pm$ 2.376 χ^2/NDF : 17.7/7

Right Out: -7.243 $\pm$ 4.218 χ^2/NDF : 14.6/19

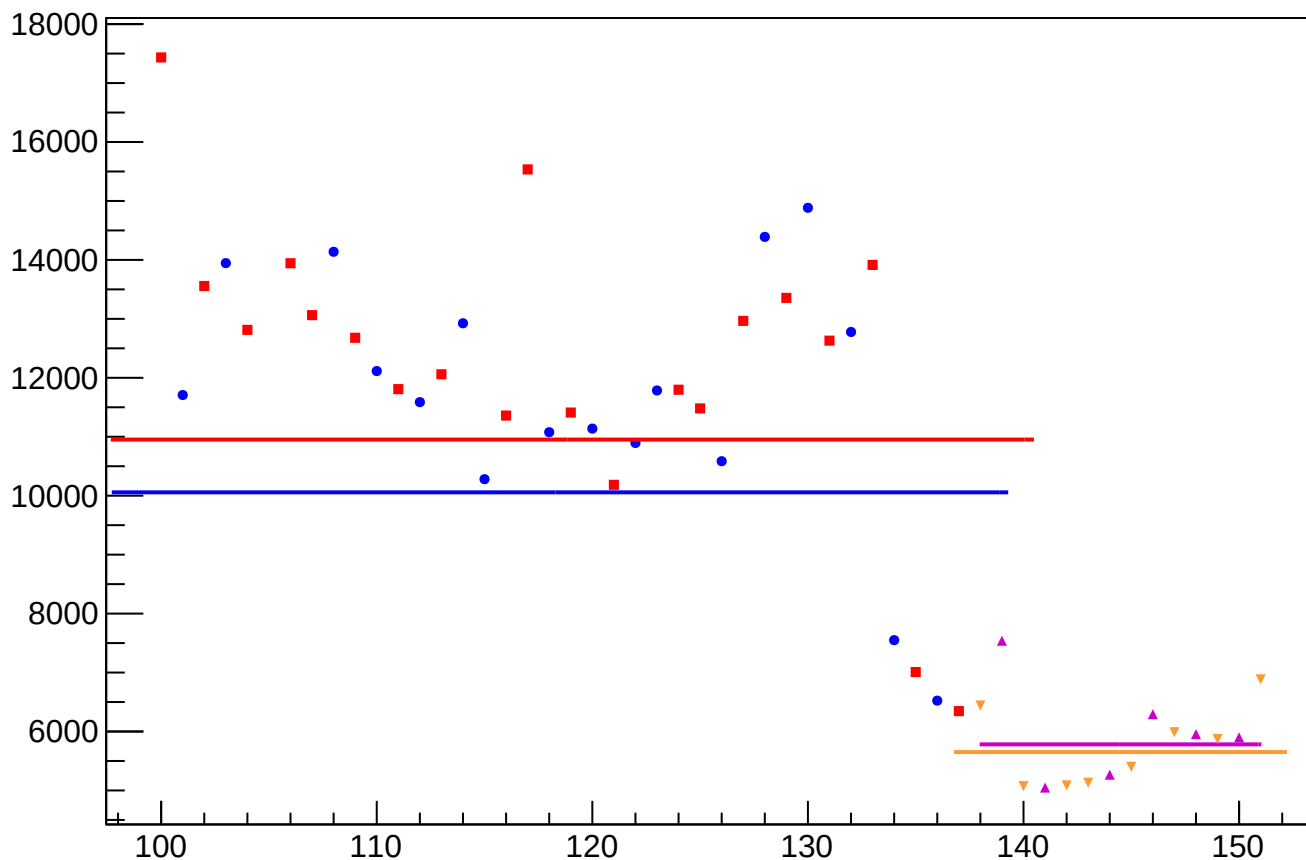
Left In: -1.727 $\pm$ 2.632 χ^2/NDF : 4.2/5

7.228 $\pm$ 2.053 χ^2/NDF : 40.0/24

2.417 $\pm$ 1.511 χ^2/NDF : 72.0/50

-3.273 $\pm$ 2.233 χ^2/NDF : 20.0/25

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10056.991 +/- 2.885 χ^2/NDF : 1002872.6/16

Left Out: 5651.800 +/- 1.680 χ^2/NDF : 127538.1/7

Right Out: 10952.255 +/- 2.982 χ^2/NDF : 770474.3/19

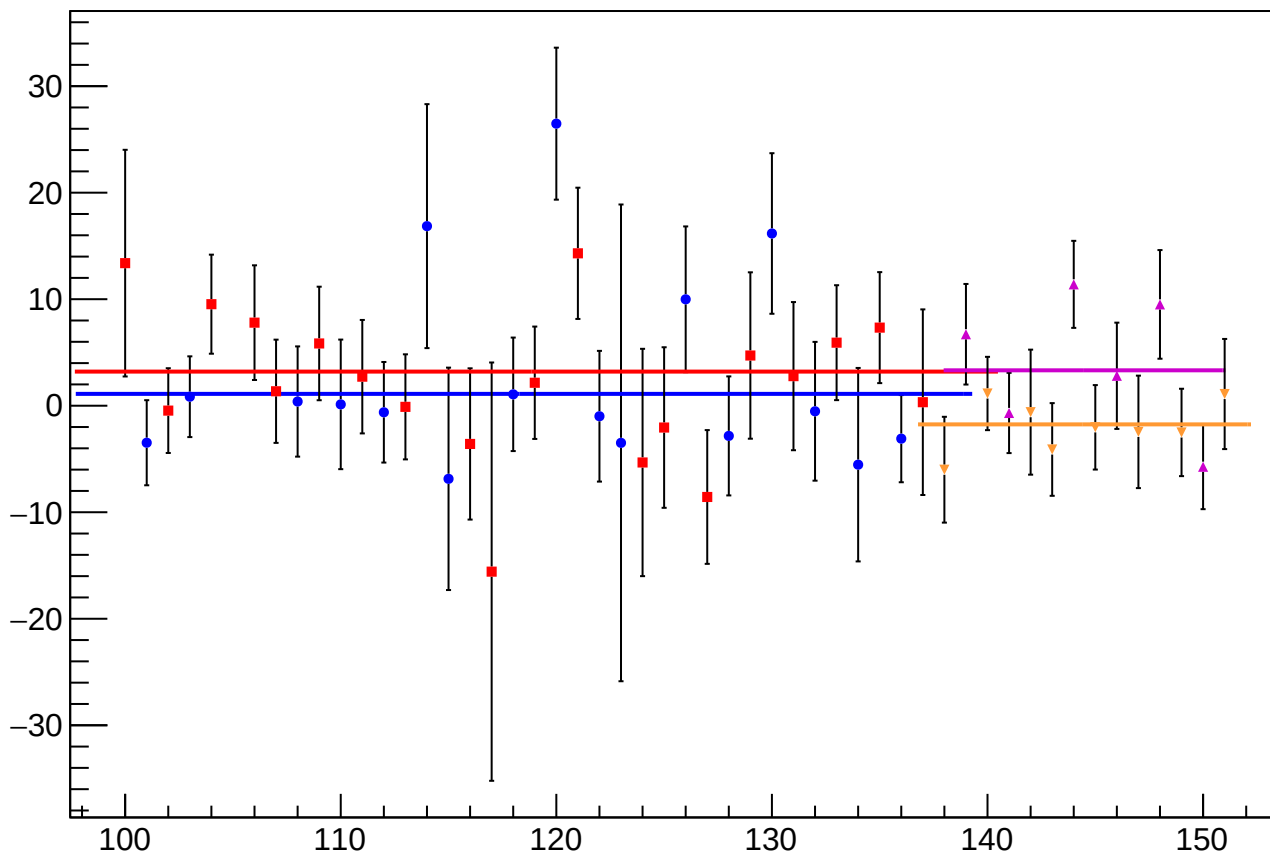
Left In: 5781.777 +/- 1.861 χ^2/NDF : 143126.2/5

6767.045 +/- 1.452 χ^2/NDF : 2871500.3/24

6979.555 +/- 1.069 χ^2/NDF : 5995174.0/50

7230.942 +/- 1.579 χ^2/NDF : 3076893.3/25

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.112 $\pm$ 1.403 χ^2/NDF : 24.6/16

Left Out: -1.752 $\pm$ 1.575 χ^2/NDF : 2.1/7

Right Out: 3.204 $\pm$ 1.331 χ^2/NDF : 16.0/19

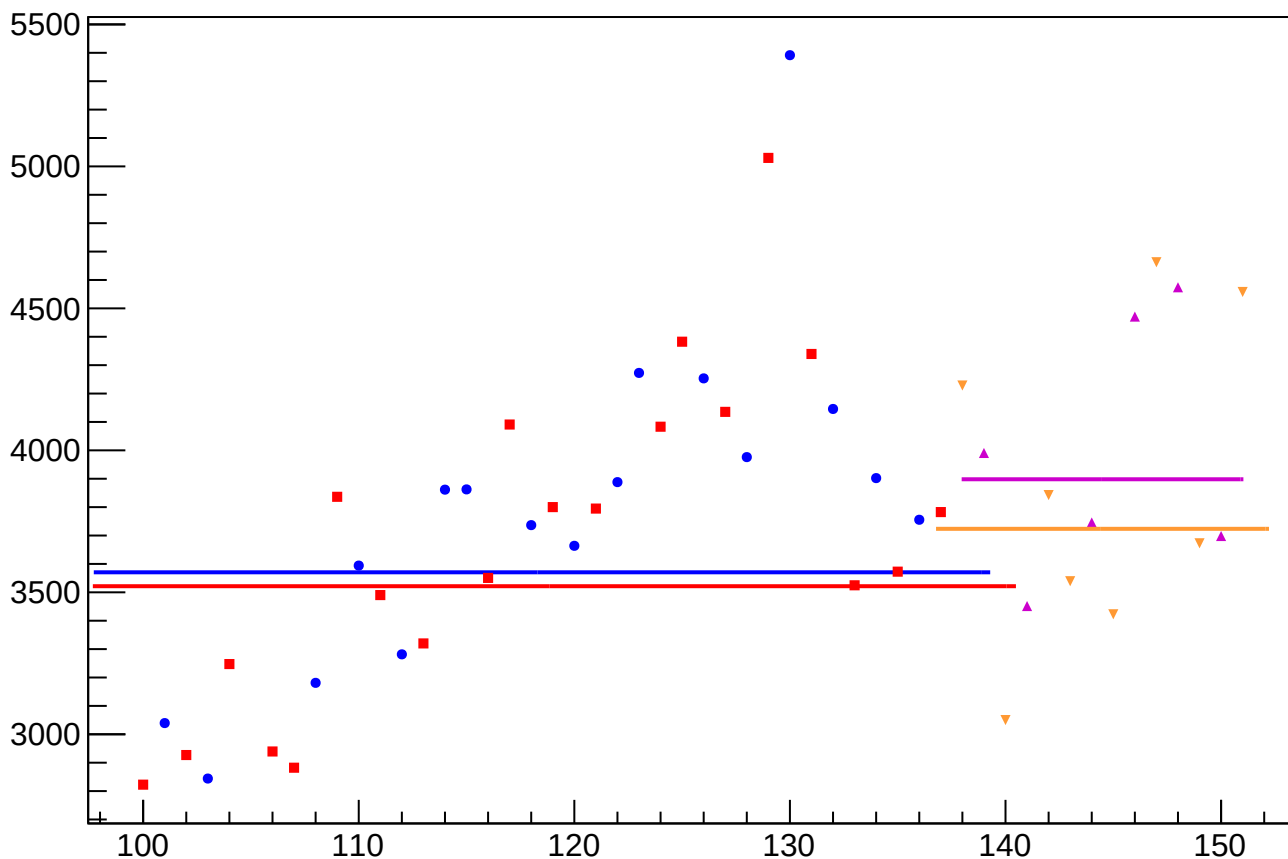
Left In: 3.324 $\pm$ 1.776 χ^2/NDF : 12.2/5

-0.155 $\pm$ 1.048 χ^2/NDF : 28.6/24

1.518 $\pm$ 0.747 χ^2/NDF : 62.0/50

3.247 $\pm$ 1.065 χ^2/NDF : 28.2/25

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3570.481+/-0.992 χ^2/NDF : 309699.2/16

Left Out: 3723.622+/-1.114 χ^2/NDF : 228827.8/7

Right Out: 3521.513+/-0.941 χ^2/NDF : 295082.3/19

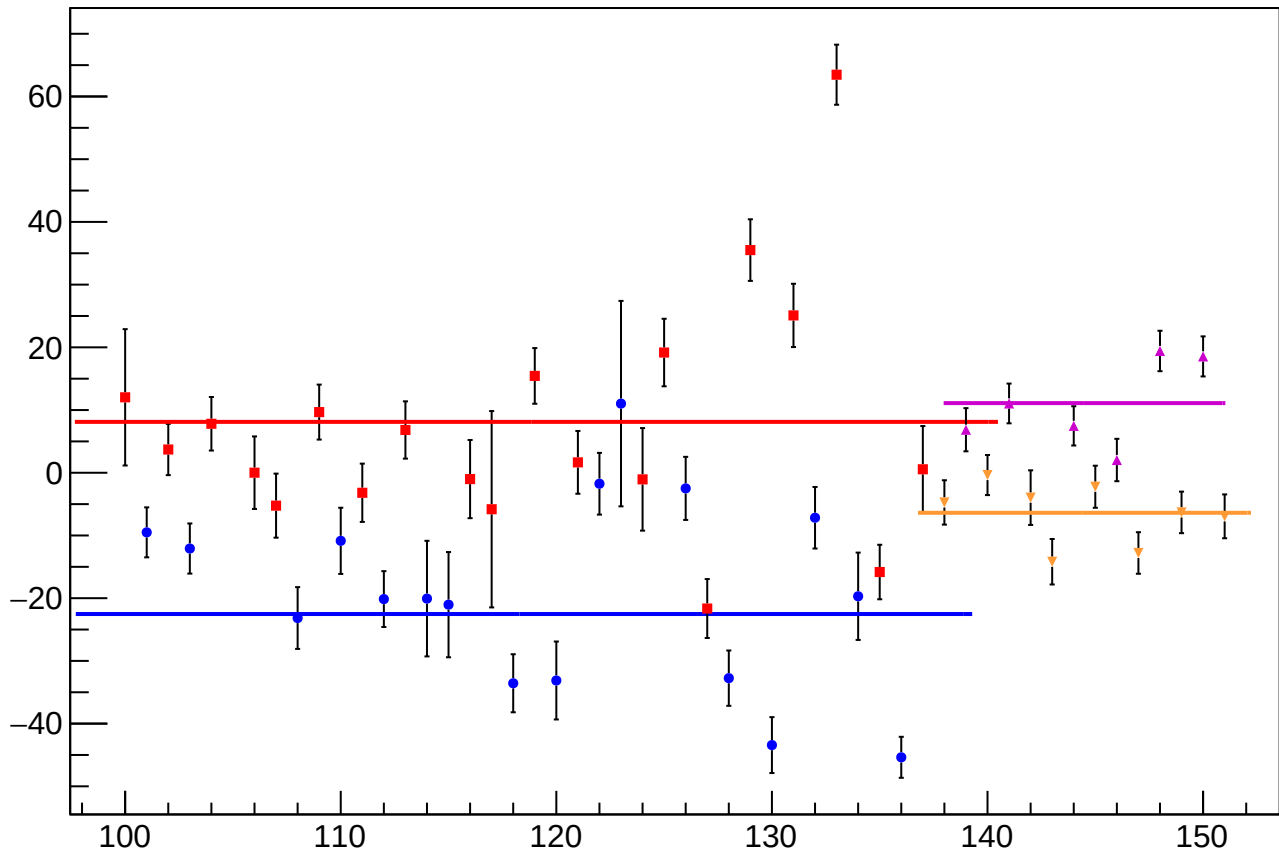
Left In: 3898.134+/-1.256 χ^2/NDF : 98203.3/5

3638.232+/-0.741 χ^2/NDF : 549071.7/24

3647.401+/-0.528 χ^2/NDF : 1000263.1/50

3656.877+/-0.753 χ^2/NDF : 450879.8/25

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.526 $\pm$ 1.201 χ^2 /NDF: 155.5/16

Left Out: -6.382 $\pm$ 1.231 χ^2 /NDF:14.0/7

Right Out: 8.116 $\pm$ 1.154 χ^2 /NDF: 276.6/19

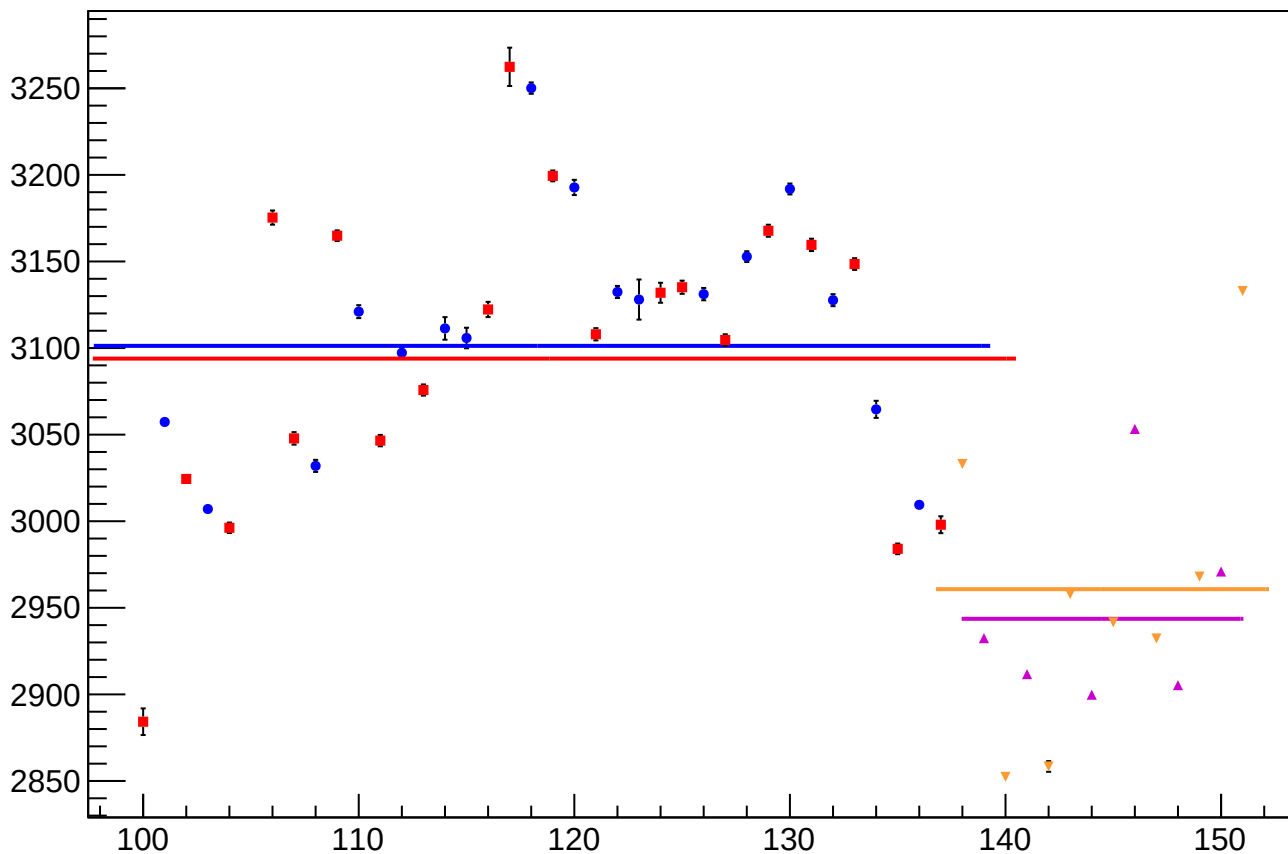
Left In: 11.107 $\pm$ 1.327 χ^2 /NDF:22.2/5

-14.658 $\pm$ 0.860 χ^2 /NDF: 257.6/24

-2.782 $\pm$ 0.612 χ^2 /NDF: 946.1/50

9.404 $\pm$ 0.871 χ^2 /NDF: 301.7/25

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3101.270 $\pm$ 0.849 χ^2 /NDF: 7233.8/16

Left Out: 2960.768 $\pm$ 0.871 χ^2 /NDF:9317.8/7

Right Out: 3093.913 $\pm$ 0.816 χ^2 /NDF: 7998.9/19

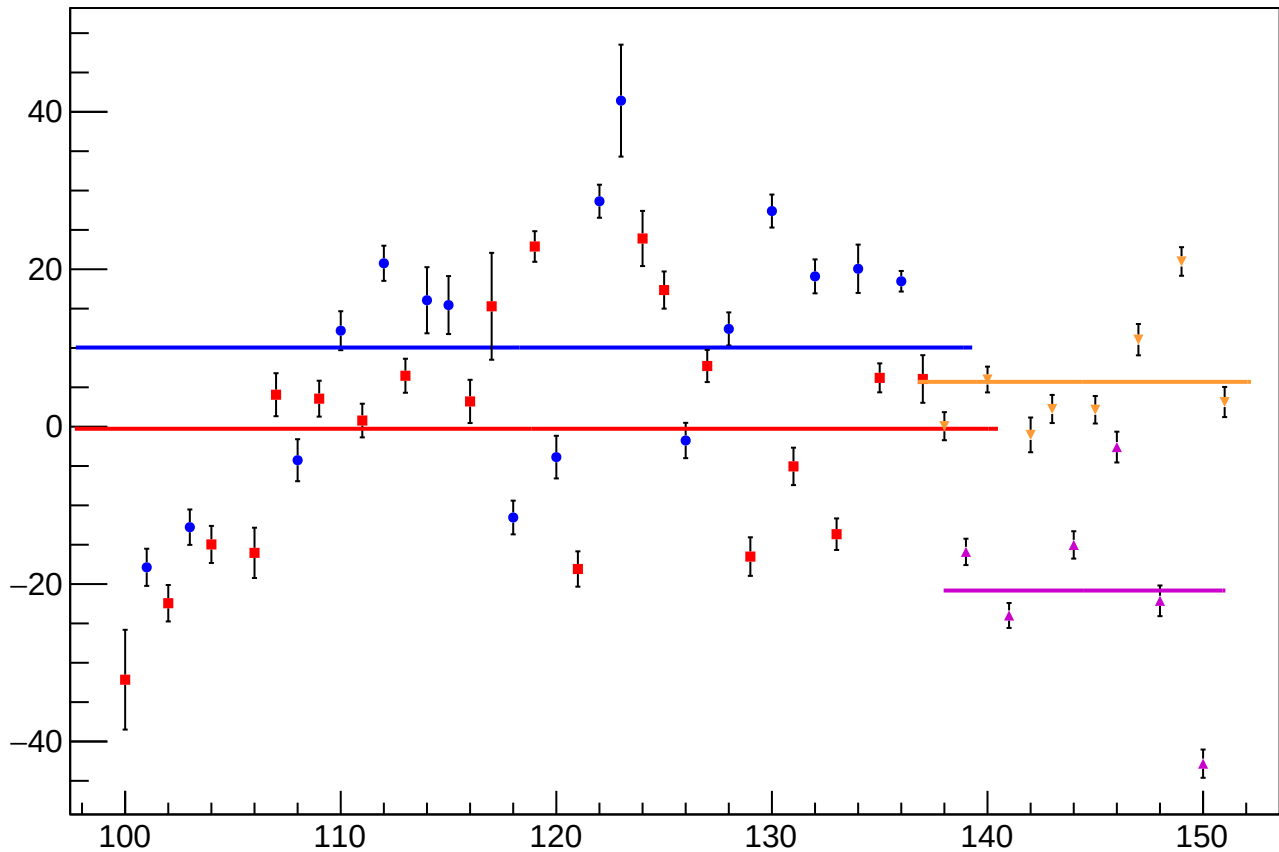
Left In: 2943.646 $\pm$ 0.938 χ^2 /NDF:3151.2/5

3032.793 $\pm$ 0.608 χ^2 /NDF: 29902.6/24

3031.035 $\pm$ 0.433 χ^2 /NDF: 55673.4/50

3029.230 $\pm$ 0.616 χ^2 /NDF: 25753.9/25

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 10.055 ± 0.562 χ^2/NDF : 692.2/16

Left Out: 5.694 ± 0.651 χ^2/NDF : 107.1/7

Right Out: -0.266 ± 0.545 χ^2/NDF : 635.1/19

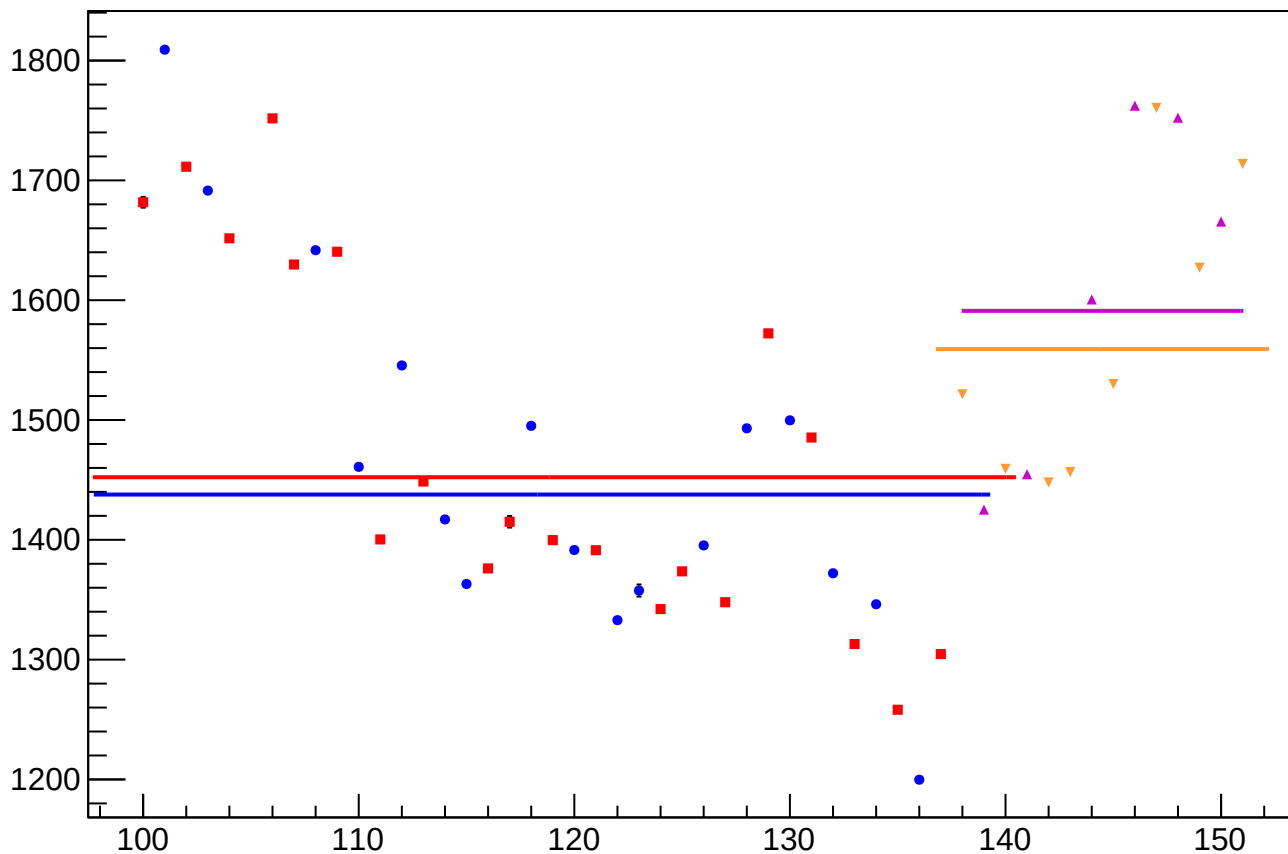
Left In: -20.821 ± 0.722 χ^2/NDF : 261.1/5

8.194 ± 0.425 χ^2/NDF : 825.0/24

0.410 ± 0.304 χ^2/NDF : 2923.8/50

-7.738 ± 0.435 χ^2/NDF : 1412.8/25

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1437.776 $\pm$ 0.397 χ^2/NDF : 173216.2/16

Left Out: 1559.198 $\pm$ 0.460 χ^2/NDF : 56875.9/7

Right Out: 1452.227 $\pm$ 0.386 χ^2/NDF : 138666.1/19

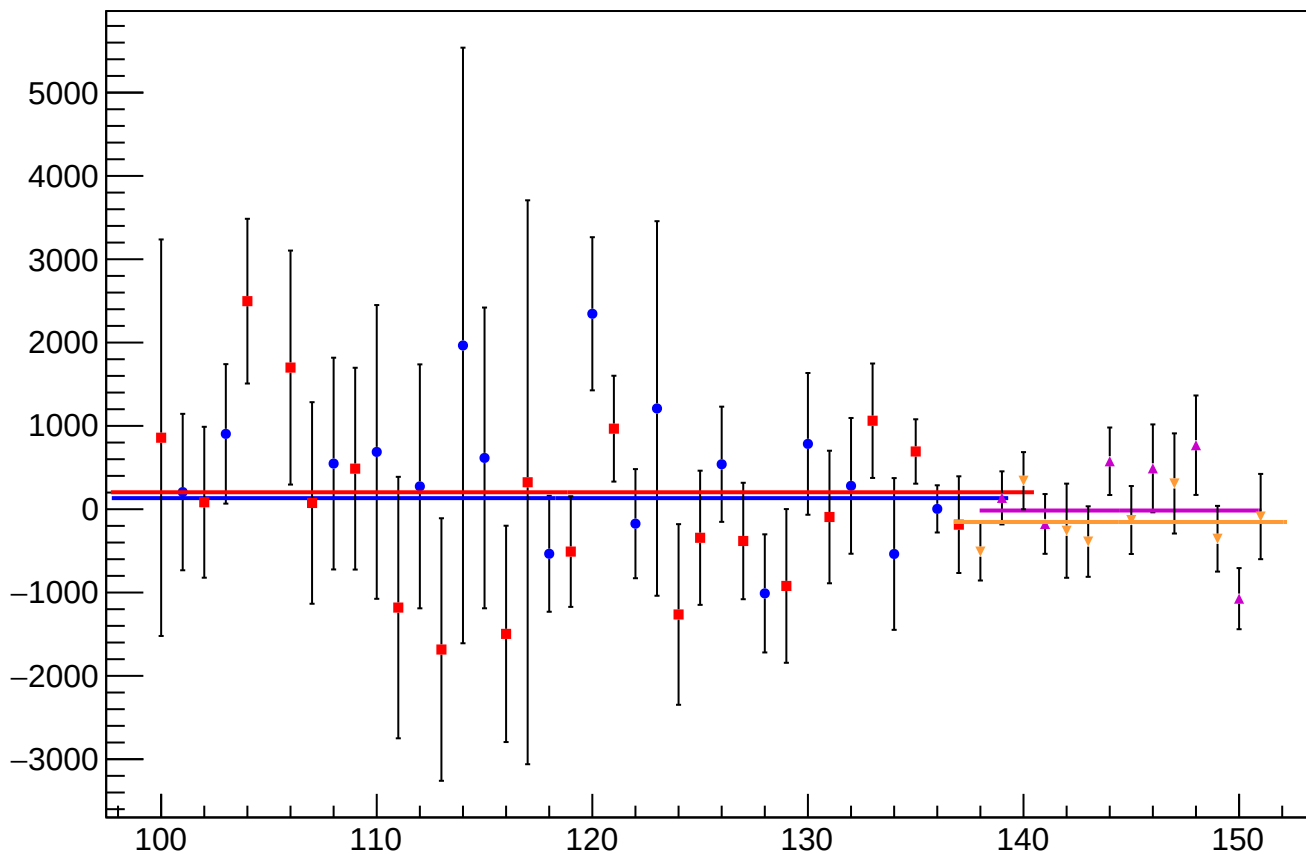
Left In: 1591.106 $\pm$ 0.510 χ^2/NDF : 66965.2/5

1489.607 $\pm$ 0.301 χ^2/NDF : 269993.0/24

1496.009 $\pm$ 0.215 χ^2/NDF : 523716.0/50

1502.711 $\pm$ 0.308 χ^2/NDF : 252794.9/25

asym_sam1_mean vs Slug, Sign Corrected



Right In: 132.921 $\pm$ 180.271 χ^2/NDF : 12.9/16

Left Out: -153.504 $\pm$ 149.842 χ^2/NDF : 4.3/7

Right Out: 203.418 $\pm$ 184.080 χ^2/NDF : 21.4/19

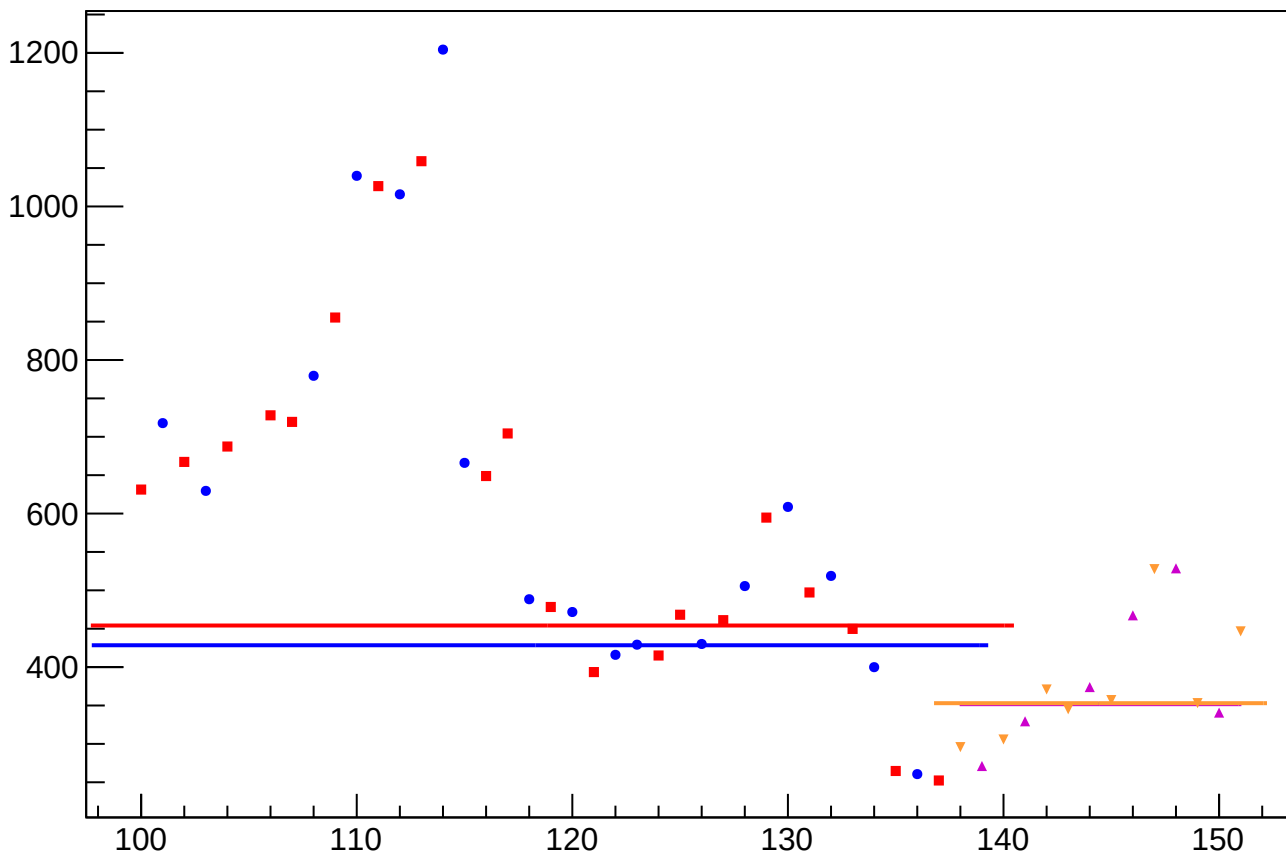
Left In: -15.620 $\pm$ 163.170 χ^2/NDF : 13.5/5

-36.471 $\pm$ 115.232 χ^2/NDF : 18.7/24

18.751 $\pm$ 83.806 χ^2/NDF : 55.0/50

80.757 $\pm$ 122.105 χ^2/NDF : 35.7/25

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.460 $\pm$ 0.127 χ^2 /NDF: 2011453.8/16

Left Out: 353.015 $\pm$ 0.106 χ^2 /NDF: 330925.0/7

Right Out: 454.177 $\pm$ 0.130 χ^2 /NDF: 2040775.1/19

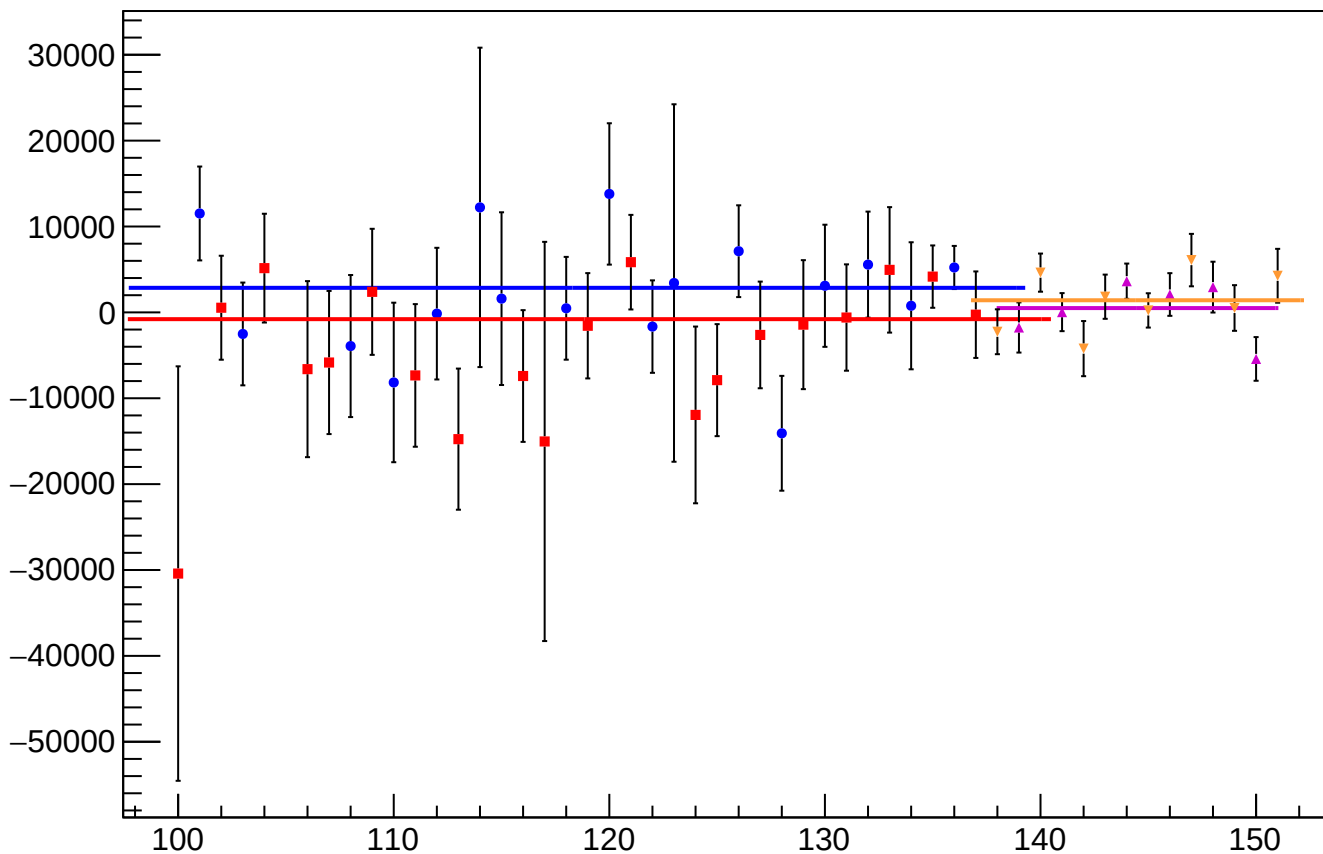
Left In: 351.722 $\pm$ 0.115 χ^2 /NDF: 415529.0/5

383.842 $\pm$ 0.081 χ^2 /NDF: 2549549.8/24

389.947 $\pm$ 0.059 χ^2 /NDF: 5364728.4/50

396.803 $\pm$ 0.086 χ^2 /NDF: 2803259.6/25

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2859.622 $\pm$ 1447.884 χ^2 /NDF: 16.7/16

Left Out: 1411.125 $\pm$ 913.615 χ^2 /NDF:10.8/7

Right Out: -789.608 $\pm$ 1506.053 χ^2 /NDF: 14.4/19

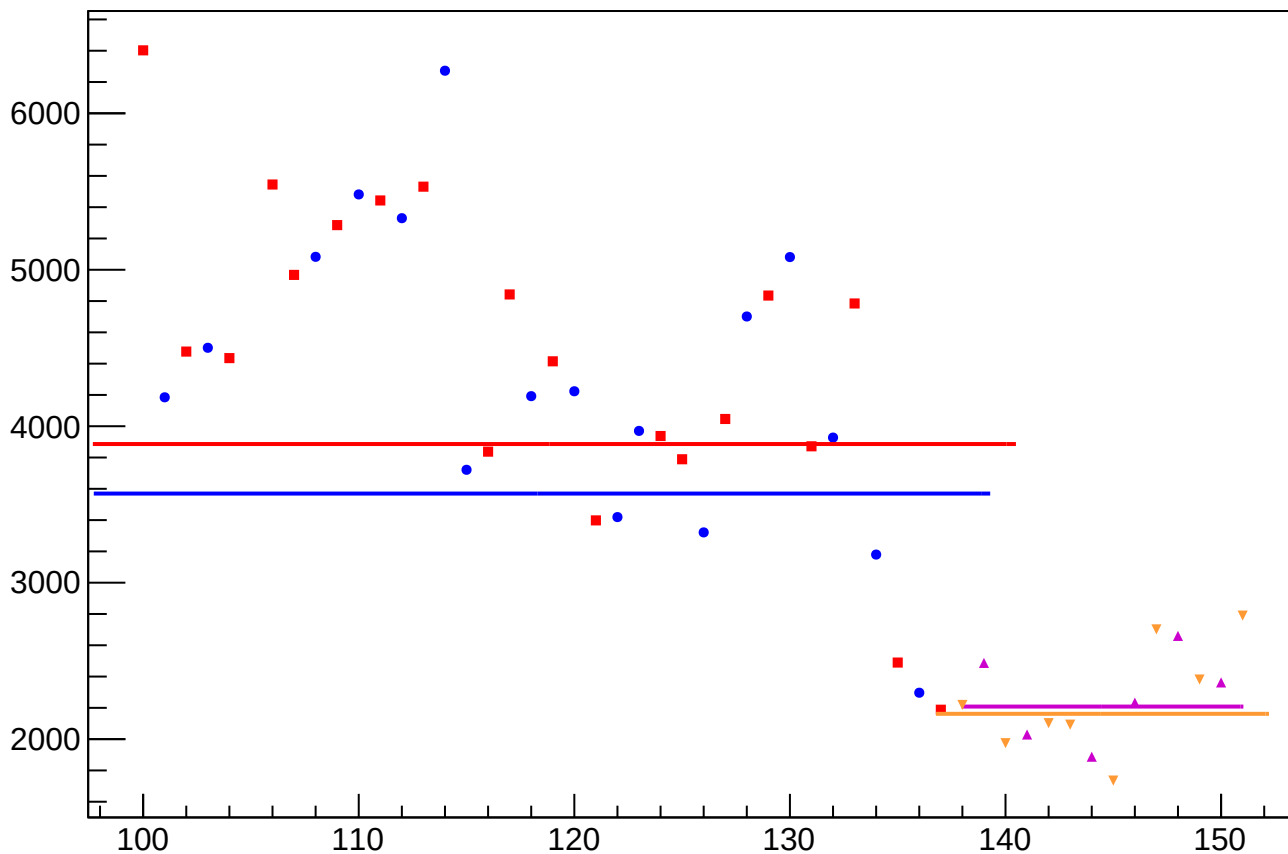
Left In: 500.509 $\pm$ 1005.677 χ^2 /NDF:9.5/5

1823.621 $\pm$ 772.653 χ^2 /NDF: 28.2/24

1031.162 $\pm$ 567.533 χ^2 /NDF: 54.8/50

102.651 $\pm$ 836.353 χ^2 /NDF: 24.3/25

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3569.631 $\pm$ 1.024 χ^2 /NDF: 1087935.4/16

Left Out: 2161.808 $\pm$ 0.646 χ^2 /NDF: 264753.6/7

Right Out: 3886.199 $\pm$ 1.065 χ^2 /NDF: 986485.7/19

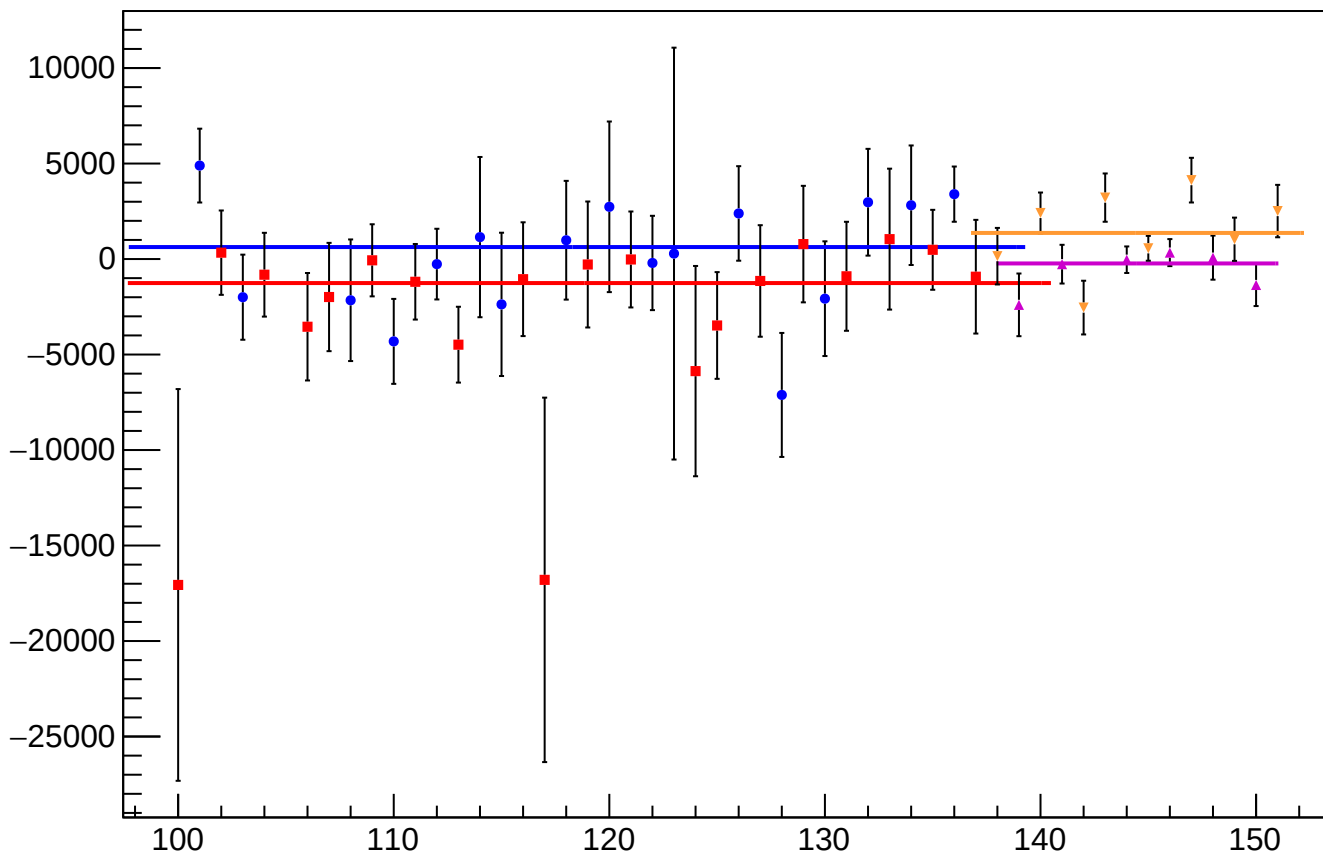
Left In: 2208.192 $\pm$ 0.711 χ^2 /NDF: 134093.9/5

2562.721 $\pm$ 0.546 χ^2 /NDF: 2705077.6/24

2637.755 $\pm$ 0.401 χ^2 /NDF: 5583732.6/50

2725.671 $\pm$ 0.591 χ^2 /NDF: 2837693.8/25

asym_sam3_mean vs Slug, Sign Corrected



Right In: 627.655 $\pm$ 620.929 χ^2/NDF : 25.1/16

Left Out: 1366.828 $\pm$ 381.651 χ^2/NDF : 19.4/7

Right Out: -1257.467 $\pm$ 601.857 χ^2/NDF : 12.6/19

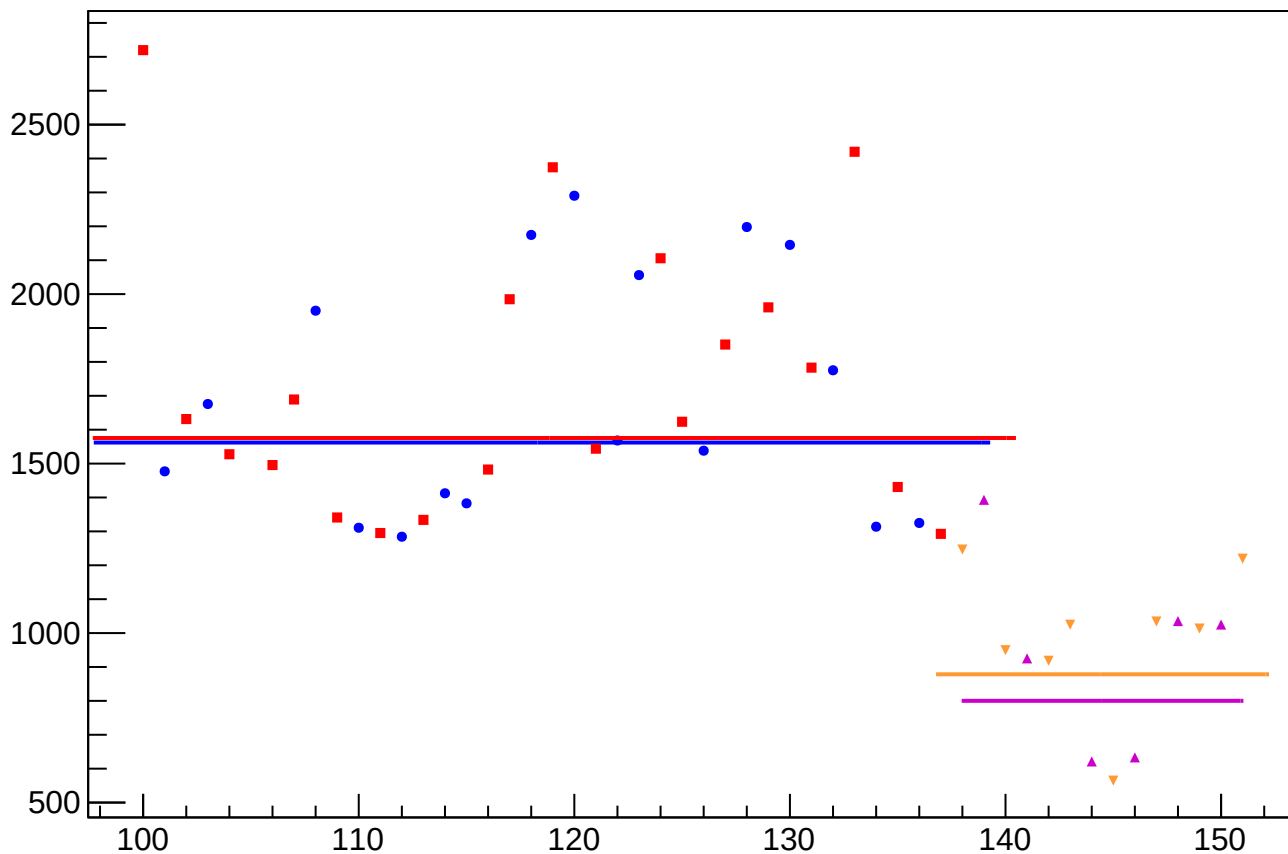
Left In: -230.580 $\pm$ 378.369 χ^2/NDF : 3.6/5

1164.147 $\pm$ 325.144 χ^2/NDF : 45.5/24

308.763 $\pm$ 228.189 χ^2/NDF : 77.4/50

-521.466 $\pm$ 320.327 χ^2/NDF : 18.2/25

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1562.101 $\pm$ 0.439 χ^2 /NDF: 482088.3/16

Left Out: 878.339 $\pm$ 0.270 χ^2 /NDF: 814027.7/7

Right Out: 1575.541 $\pm$ 0.426 χ^2 /NDF: 467687.2/19

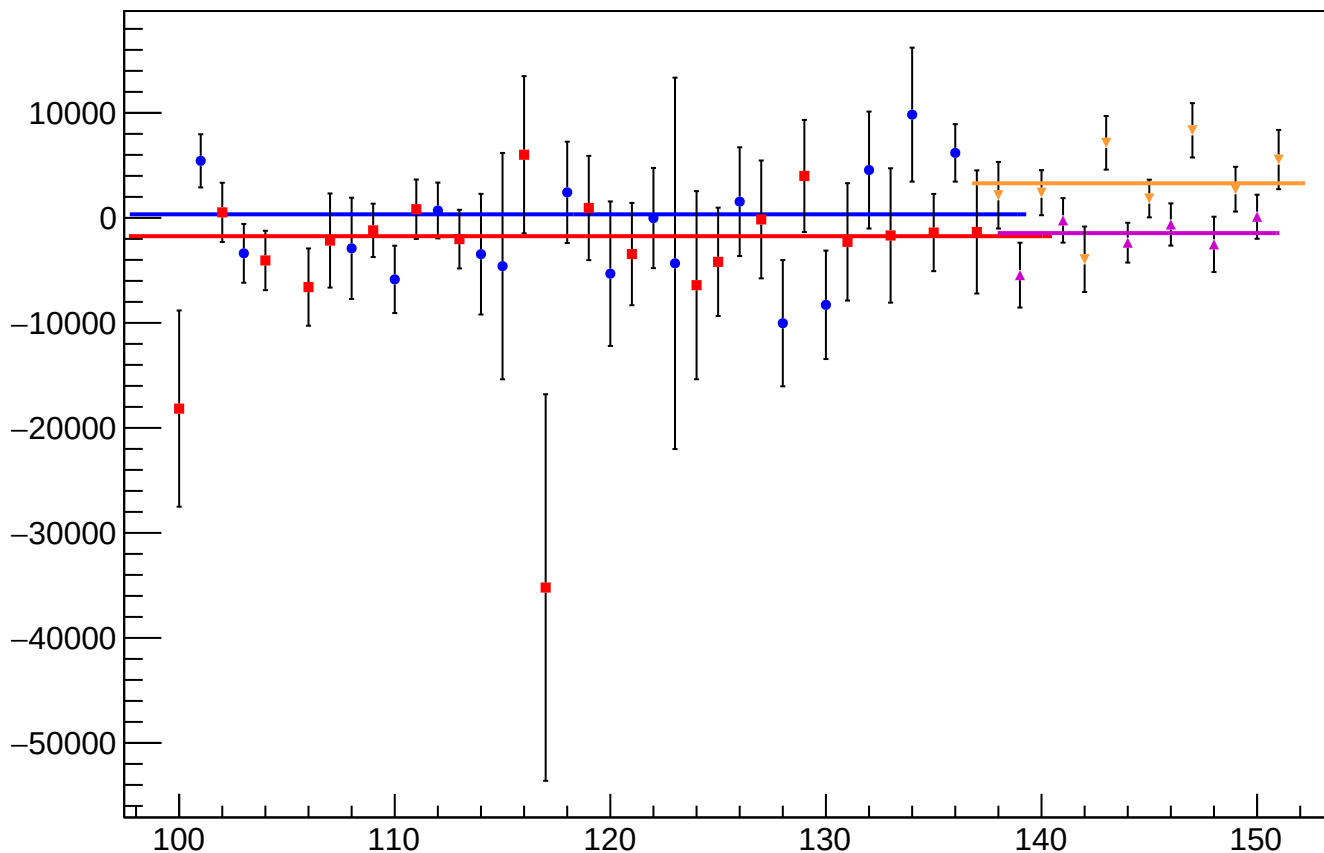
Left In: 800.150 $\pm$ 0.268 χ^2 /NDF: 701822.2/5

1065.826 $\pm$ 0.230 χ^2 /NDF: 3056361.4/24

1042.467 $\pm$ 0.161 χ^2 /NDF: 6625465.8/50

1019.796 $\pm$ 0.227 χ^2 /NDF: 3548763.2/25

asym_sam4_mean vs Slug, Sign Corrected



Right In: 338.117 $\pm$ 995.842 χ^2/NDF : 24.8/16

Left Out: 3295.122 $\pm$ 852.010 χ^2/NDF : 13.1/7

Right Out: -1742.470 $\pm$ 923.289 χ^2/NDF : 13.6/19

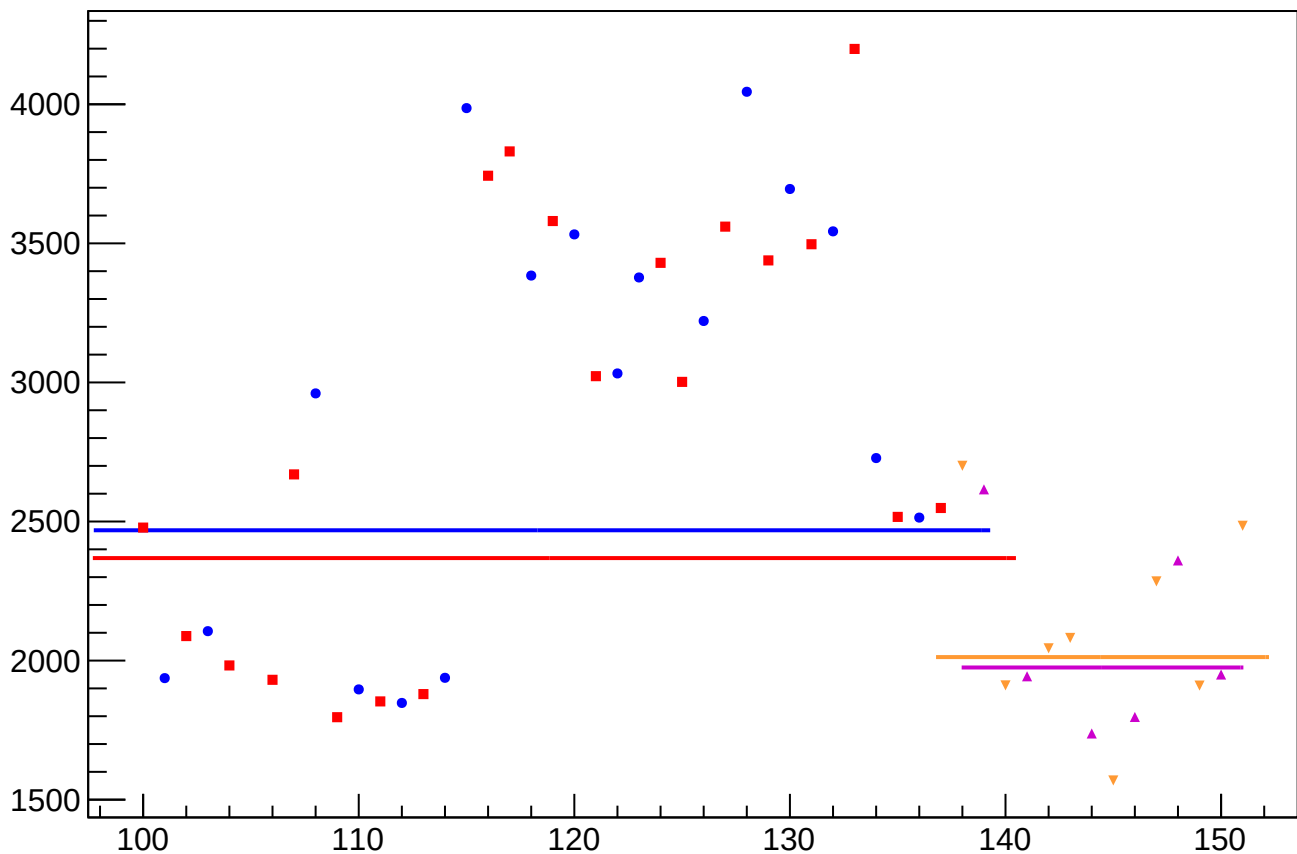
Left In: -1450.741 $\pm$ 903.799 χ^2/NDF : 3.1/5

2045.399 $\pm$ 647.398 χ^2/NDF : 43.0/24

221.634 $\pm$ 457.236 χ^2/NDF : 75.6/50

-1593.494 $\pm$ 645.863 χ^2/NDF : 16.7/25

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2468.489 $\pm$ 0.704 χ^2 /NDF: 896153.6/16

Left Out: 2012.589 $\pm$ 0.602 χ^2 /NDF: 305091.1/7

Right Out: 2368.521 $\pm$ 0.653 χ^2 /NDF: 1037811.8/19

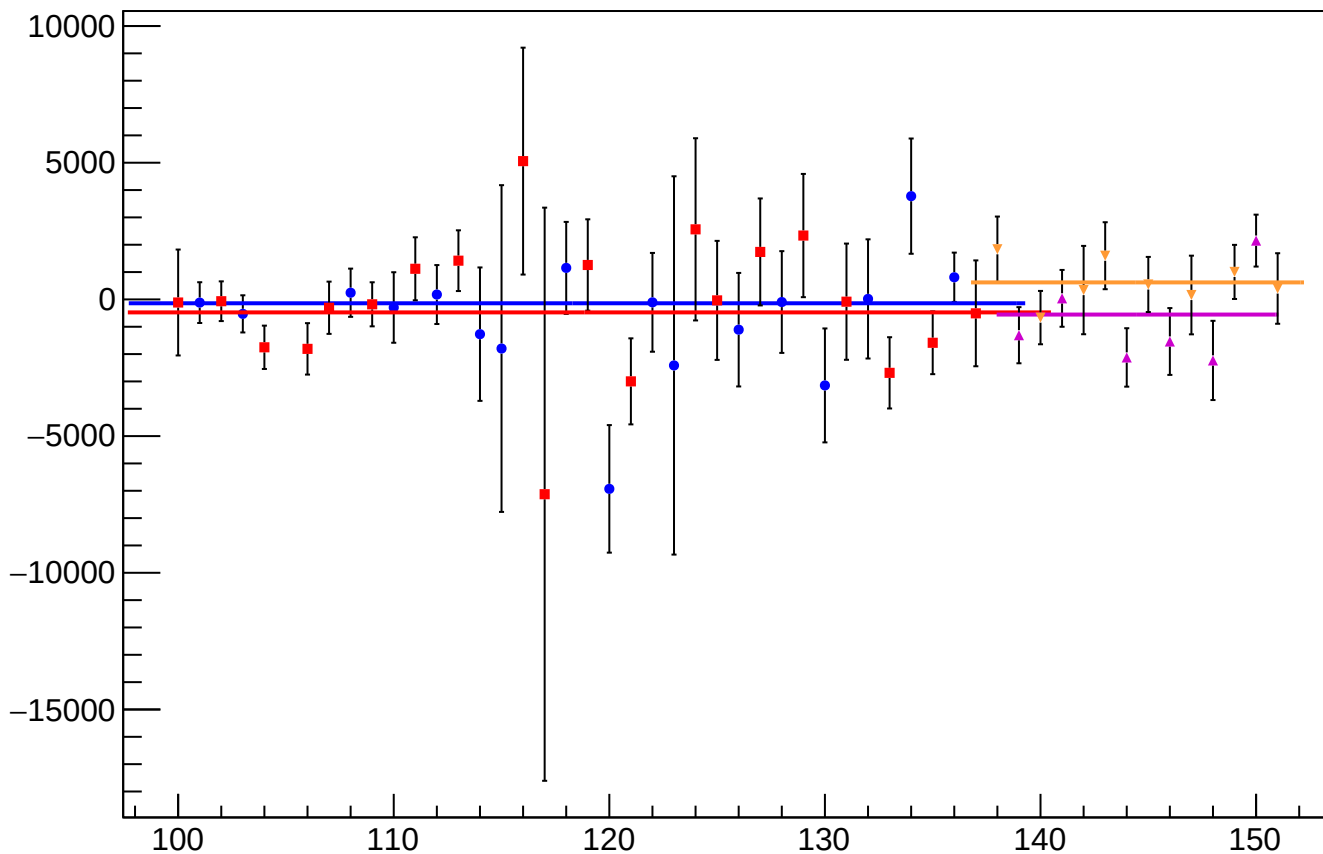
Left In: 1975.194 $\pm$ 0.639 χ^2 /NDF: 176433.2/5

2205.267 $\pm$ 0.458 χ^2 /NDF: 1443258.8/24

2186.420 $\pm$ 0.323 χ^2 /NDF: 2846238.7/50

2167.663 $\pm$ 0.457 χ^2 /NDF: 1399597.9/25

asym_sam5_mean vs Slug, Sign Corrected



Right In: -141.213+/-313.319 χ^2/NDF : 16.9/16

Left Out: 621.921+/-412.122 χ^2/NDF : 3.7/7

Right Out: -474.987+/-282.789 χ^2/NDF : 23.3/19

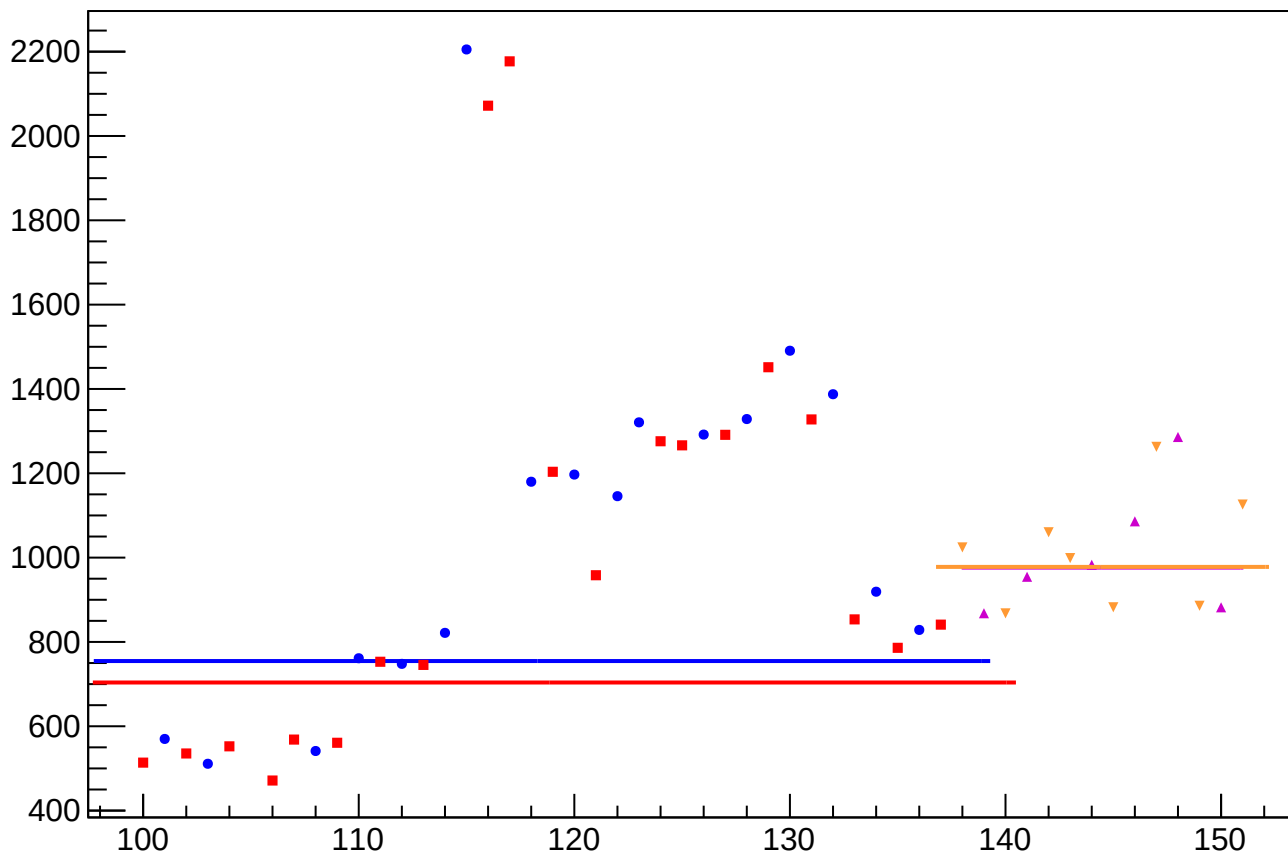
Left In: -554.141+/-447.013 χ^2/NDF : 13.1/5

138.310+/-249.422 χ^2/NDF : 22.8/24

-193.236+/-172.559 χ^2/NDF : 62.7/50

-497.611+/-238.983 χ^2/NDF : 36.5/25

asym_sam5_rms vs Slug, Sign Corrected



Right In: 754.684 ± 0.222 χ^2/NDF : 1690621.2/16

Left Out: 977.980 ± 0.291 χ^2/NDF : 174267.4/7

Right Out: 703.794 ± 0.200 χ^2/NDF : 1731134.6/19

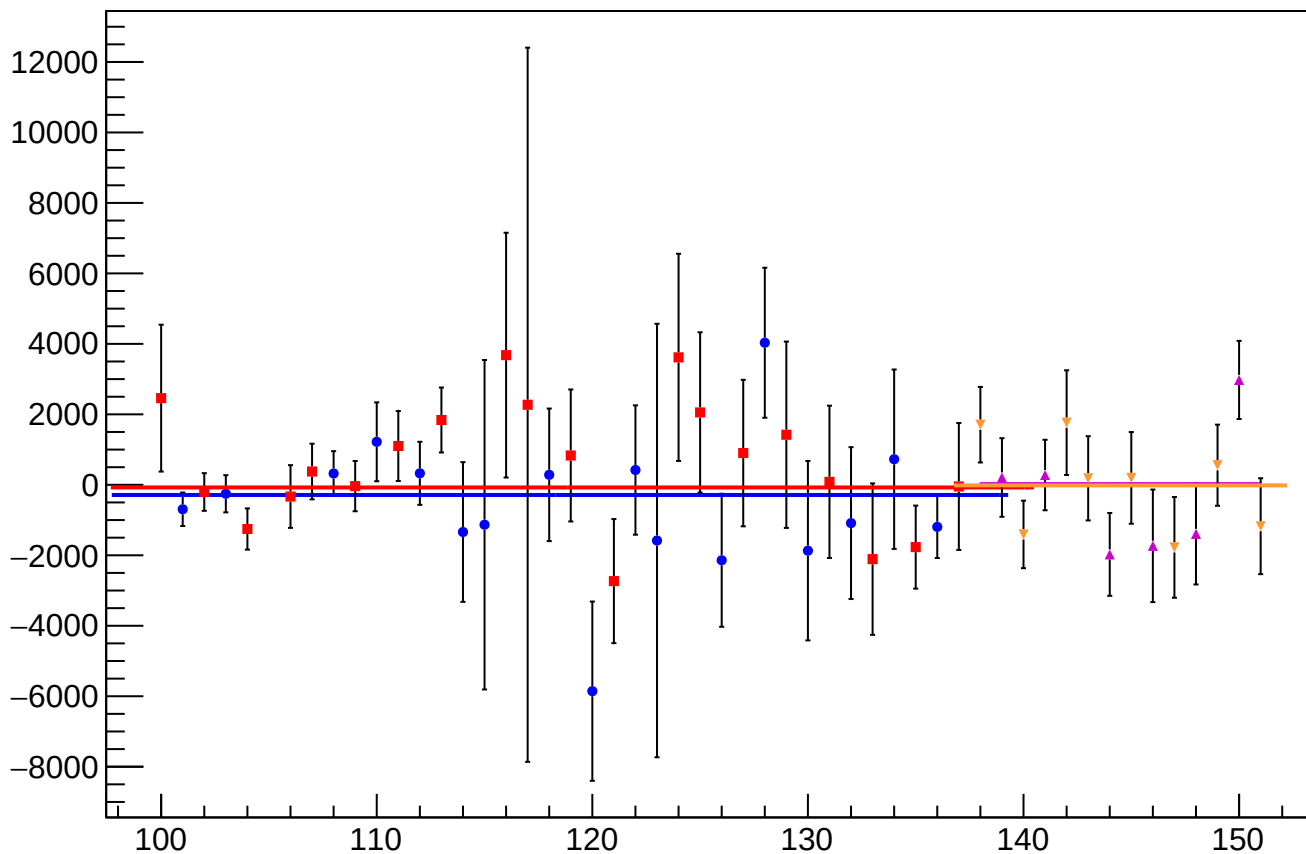
Left In: 976.254 ± 0.316 χ^2/NDF : 150381.8/5

836.473 ± 0.176 χ^2/NDF : 2236967.7/24

807.900 ± 0.122 χ^2/NDF : 4699467.0/50

781.669 ± 0.169 χ^2/NDF : 2412156.7/25

asym_sam6_mean vs Slug, Sign Corrected



Right In: -288.037 $\pm$ 250.436 χ^2/NDF : 16.2/16

Left Out: -15.688 $\pm$ 426.906 χ^2/NDF : 8.7/7

Right Out: -74.735 $\pm$ 246.011 χ^2/NDF : 21.4/19

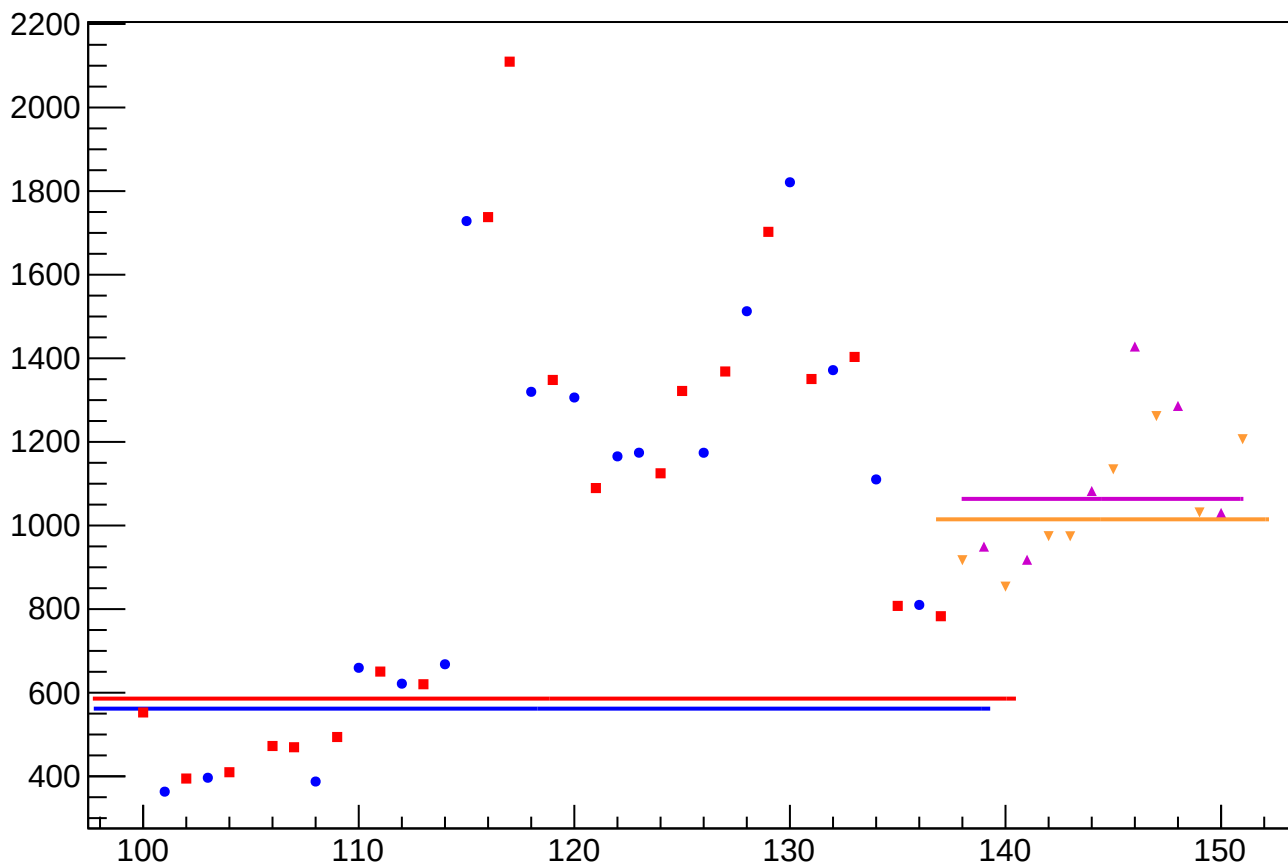
Left In: 19.933 $\pm$ 486.843 χ^2/NDF : 12.3/5

-218.309 $\pm$ 216.010 χ^2/NDF : 25.1/24

-138.224 $\pm$ 153.985 χ^2/NDF : 59.1/50

-55.479 $\pm$ 219.570 χ^2/NDF : 33.7/25

asym_sam6_rms vs Slug, Sign Corrected



Right In: 561.894 $\pm$ 0.177 χ^2/NDF : 3216651.3/16

Left Out: 1014.792 $\pm$ 0.302 χ^2/NDF : 193584.5/7

Right Out: 585.891 $\pm$ 0.174 χ^2/NDF : 2869692.7/19

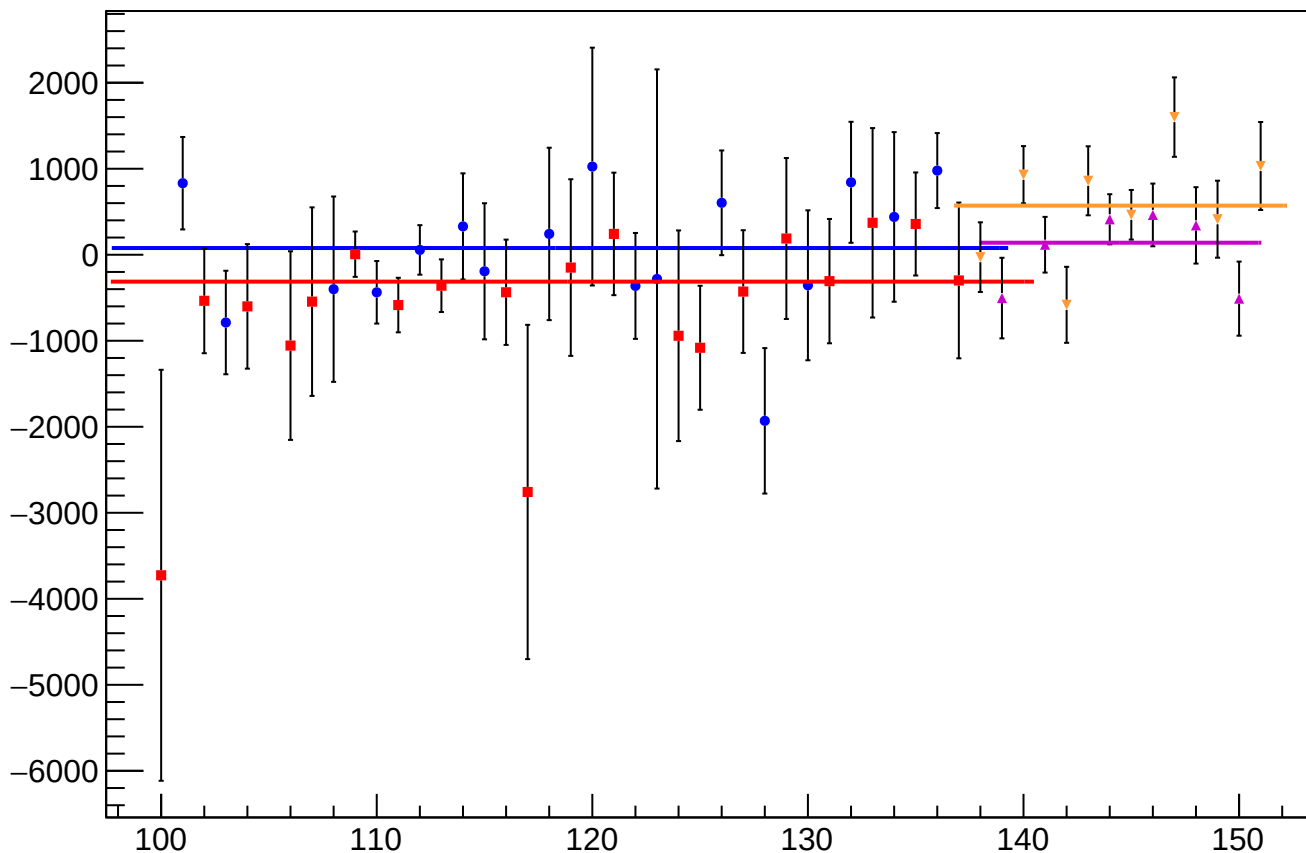
Left In: 1063.698 $\pm$ 0.344 χ^2/NDF : 217859.1/5

677.848 $\pm$ 0.153 χ^2/NDF : 5084886.1/24

680.422 $\pm$ 0.109 χ^2/NDF : 9707612.2/50

683.081 $\pm$ 0.155 χ^2/NDF : 4622148.8/25

asym_sam7_mean vs Slug, Sign Corrected



Right In: 78.184 ± 142.869 χ^2/NDF : 19.8/16

Left Out: 571.061 ± 138.680 χ^2/NDF : 16.7/7

Right Out: -312.536 ± 129.362 χ^2/NDF : 10.7/19

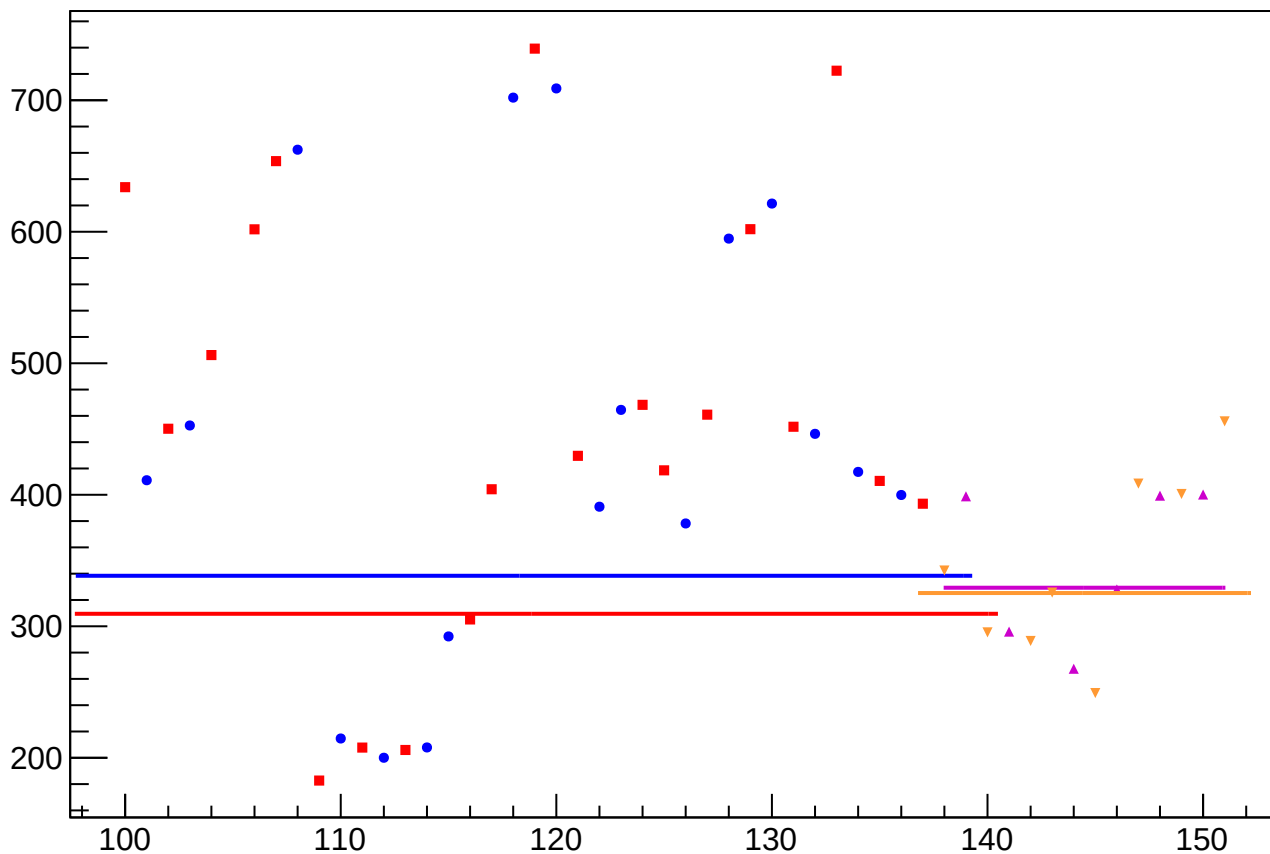
Left In: 139.921 ± 150.974 χ^2/NDF : 6.0/5

331.954 ± 99.510 χ^2/NDF : 42.6/24

102.561 ± 69.908 χ^2/NDF : 75.0/50

-120.983 ± 98.233 χ^2/NDF : 21.9/25

asym_sam7_rms vs Slug, Sign Corrected



Right In: 338.408 $\pm$ 0.101 χ^2/NDF : 2009287.1/16

Left Out: 325.290 $\pm$ 0.098 χ^2/NDF : 424307.6/7

Right Out: 309.503 $\pm$ 0.091 χ^2/NDF : 2738236.3/19

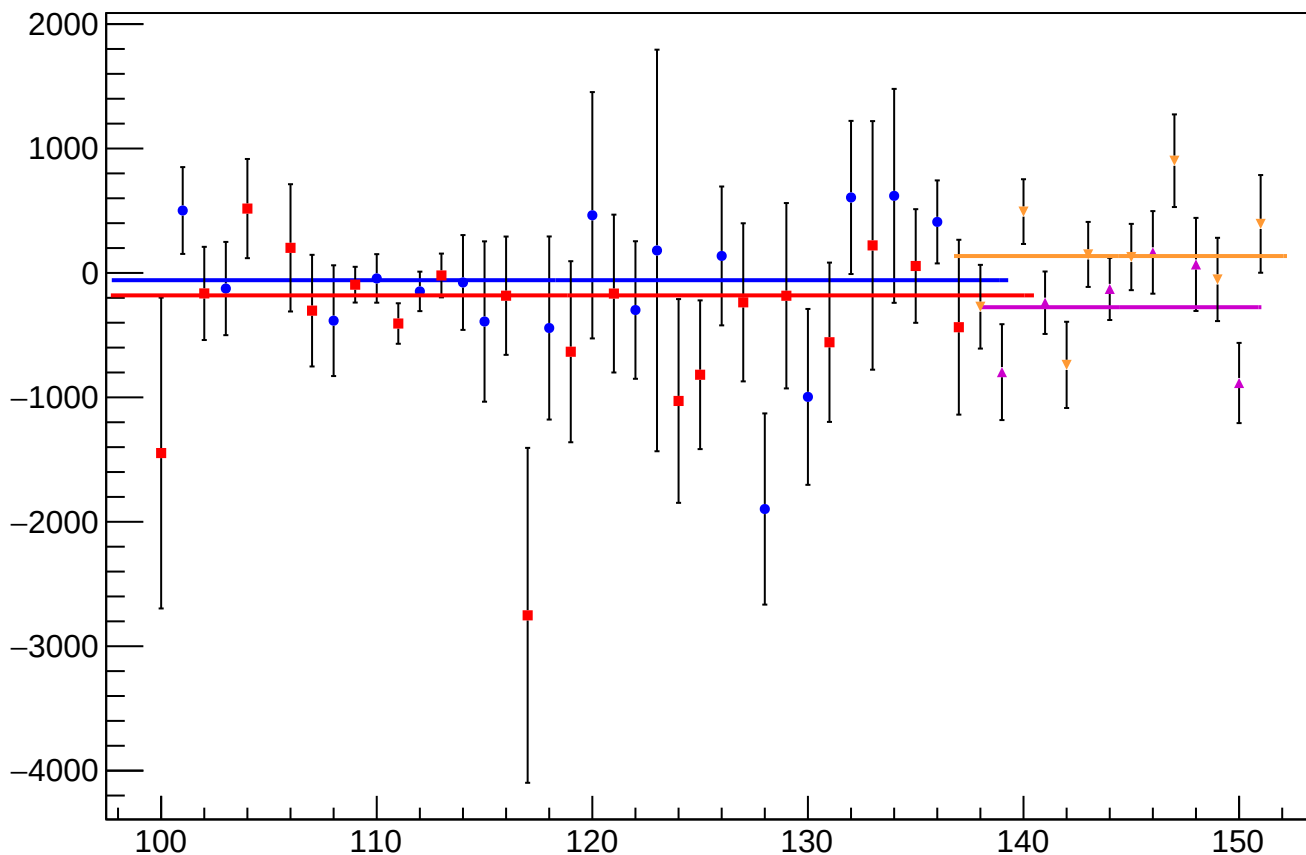
Left In: 329.322 $\pm$ 0.107 χ^2/NDF : 258593.4/5

331.654 $\pm$ 0.070 χ^2/NDF : 2442275.8/24

324.685 $\pm$ 0.049 χ^2/NDF : 5478349.1/50

317.894 $\pm$ 0.069 χ^2/NDF : 3016705.4/25

asym_sam8_mean vs Slug, Sign Corrected



Right In: -58.299 $\pm$ 90.484 χ^2 /NDF: 15.9/16

Left Out: 135.777 $\pm$ 109.556 χ^2 /NDF: 14.7/7

Right Out: -180.354 $\pm$ 76.795 χ^2 /NDF: 15.0/19

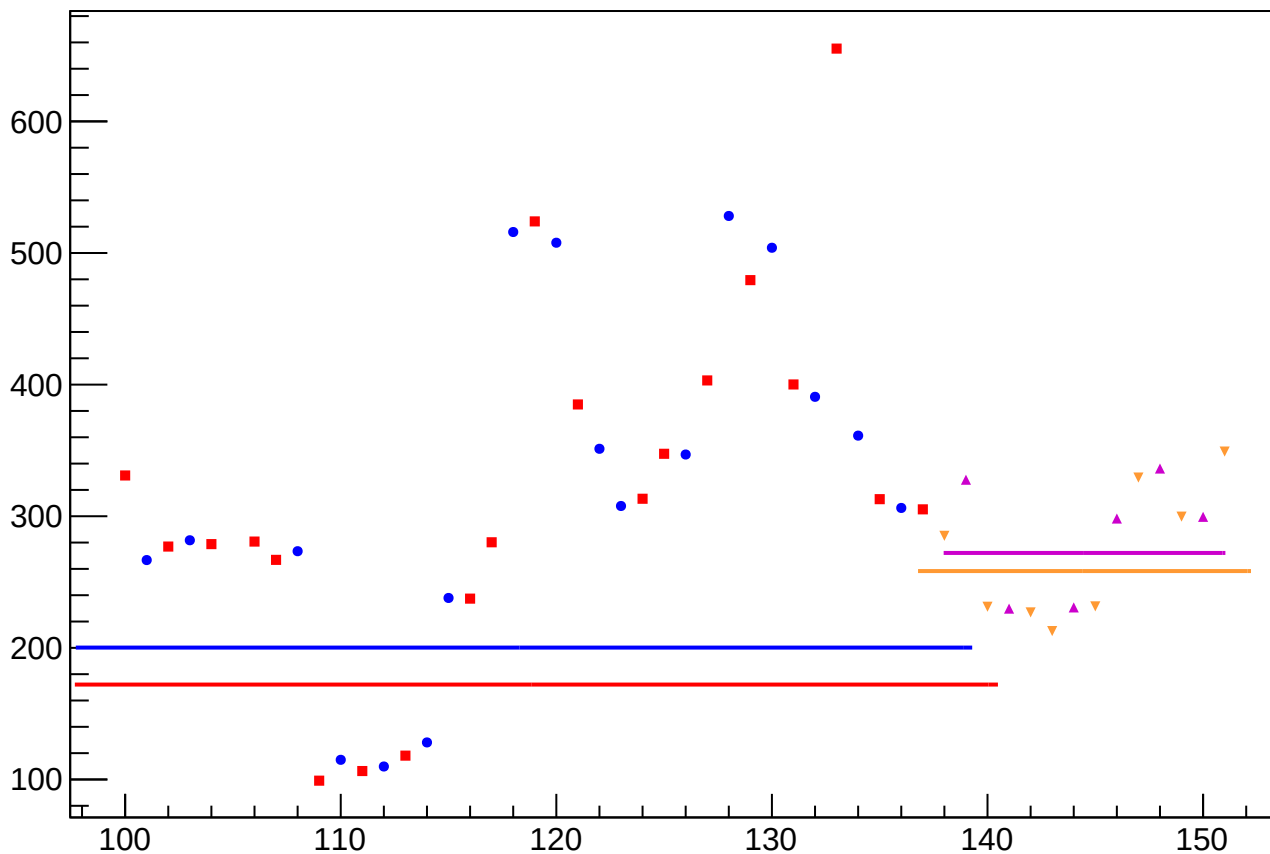
Left In: -275.332 $\pm$ 124.525 χ^2 /NDF: 8.4/5

20.402 $\pm$ 69.766 χ^2 /NDF: 32.4/24

-100.444 $\pm$ 47.700 χ^2 /NDF: 61.9/50

-206.523 $\pm$ 65.364 χ^2 /NDF: 23.8/25

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.209 $\pm$ 0.064 χ^2/NDF : 3387197.7/16

Left Out: 258.344 $\pm$ 0.077 χ^2/NDF : 342343.5/7

Right Out: 172.110 $\pm$ 0.054 χ^2/NDF : 4106869.2/19

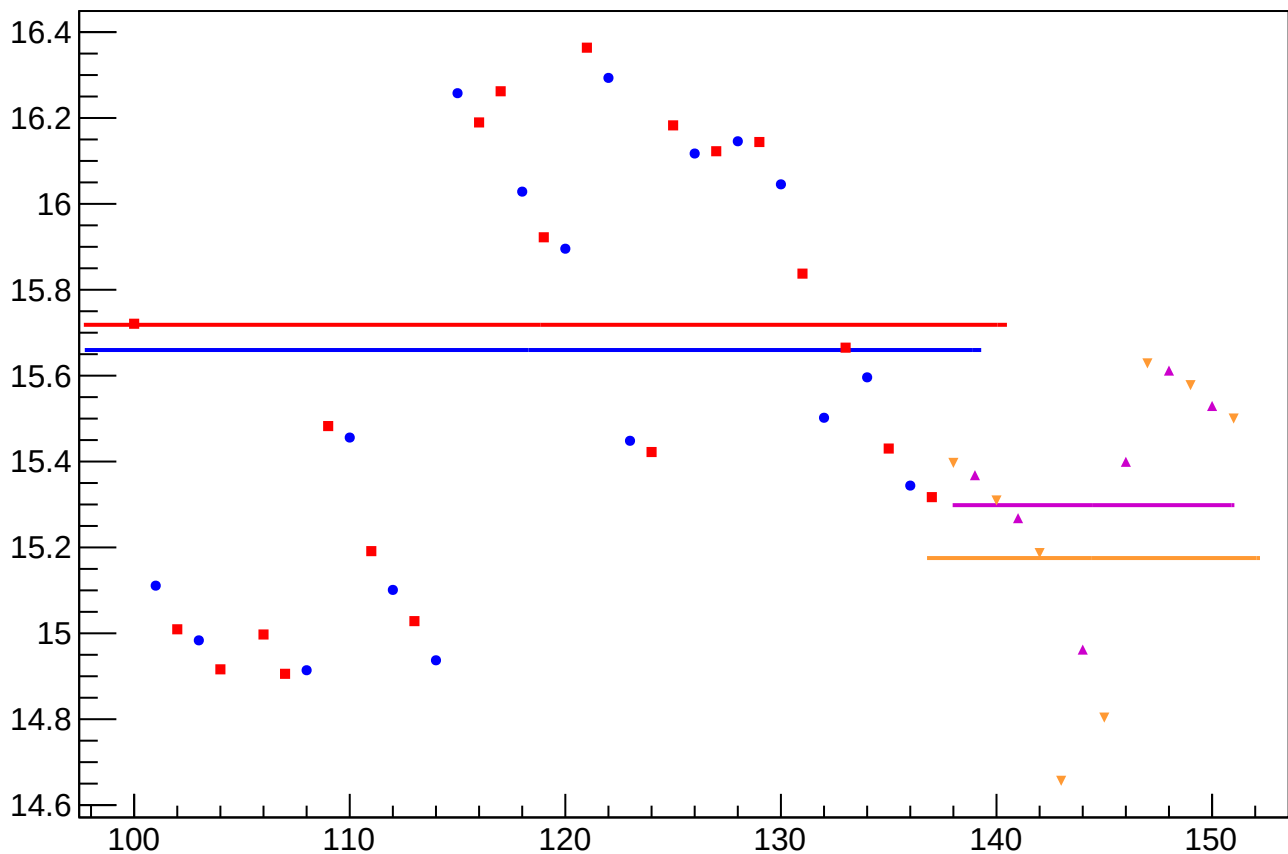
Left In: 272.115 $\pm$ 0.088 χ^2/NDF : 239101.1/5

223.783 $\pm$ 0.049 χ^2/NDF : 4064326.7/24

210.939 $\pm$ 0.034 χ^2/NDF : 9472081.8/50

199.664 $\pm$ 0.046 χ^2/NDF : 5280457.6/25

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.660+/-0.000 χ^2/NDF : 5782644553.5/16

Left Out: 15.175+/-0.000 χ^2/NDF : 5569556807.4/7

Right Out: 15.718+/-0.000 χ^2/NDF : 5490626945.9/19

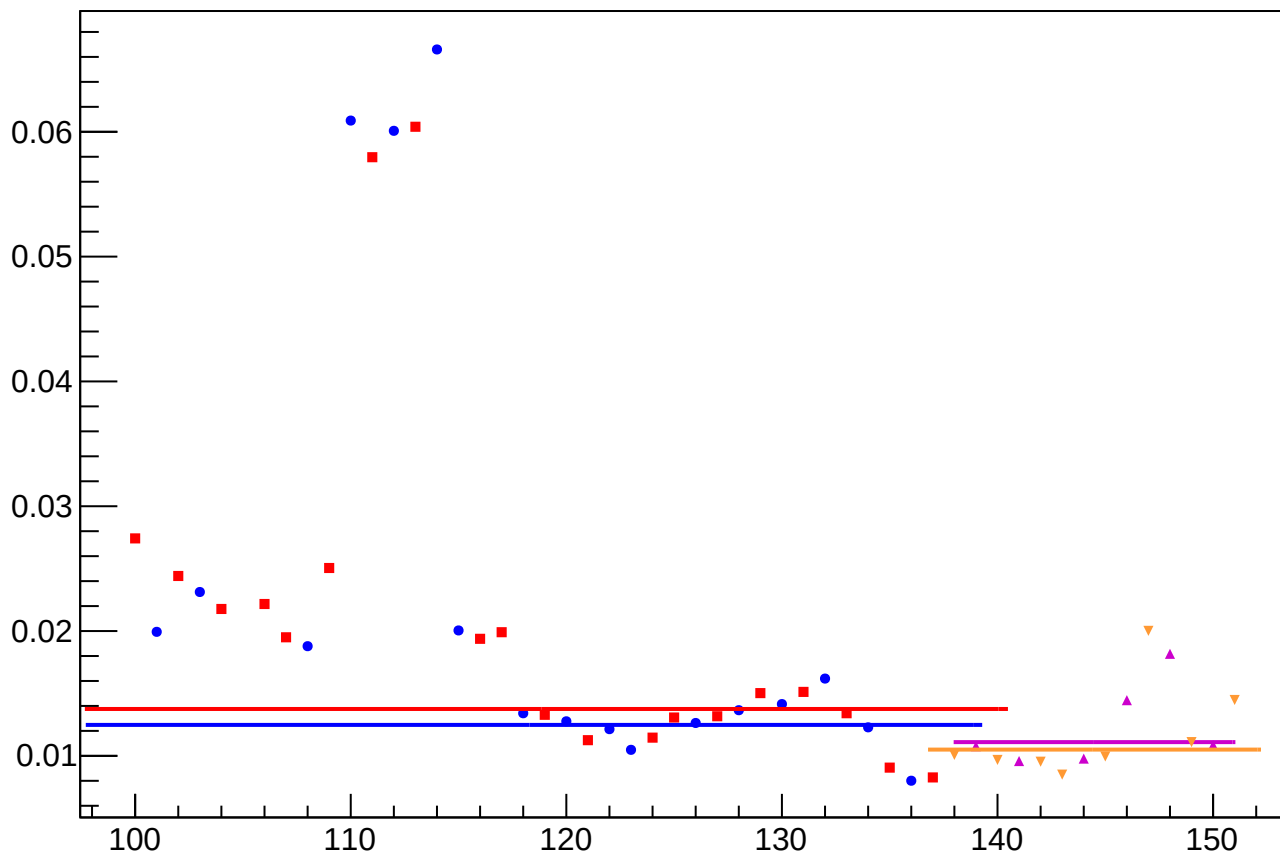
Left In: 15.298+/-0.000 χ^2/NDF : 1642043925.0/5

15.376+/-0.000 χ^2/NDF : 15895359460.4/24

15.425+/-0.000 χ^2/NDF : 26288440772.1/24

15.485+/-0.000 χ^2/NDF : 9967996475.0/25

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2152911.4/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:547647.6/7

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2084935.7/19

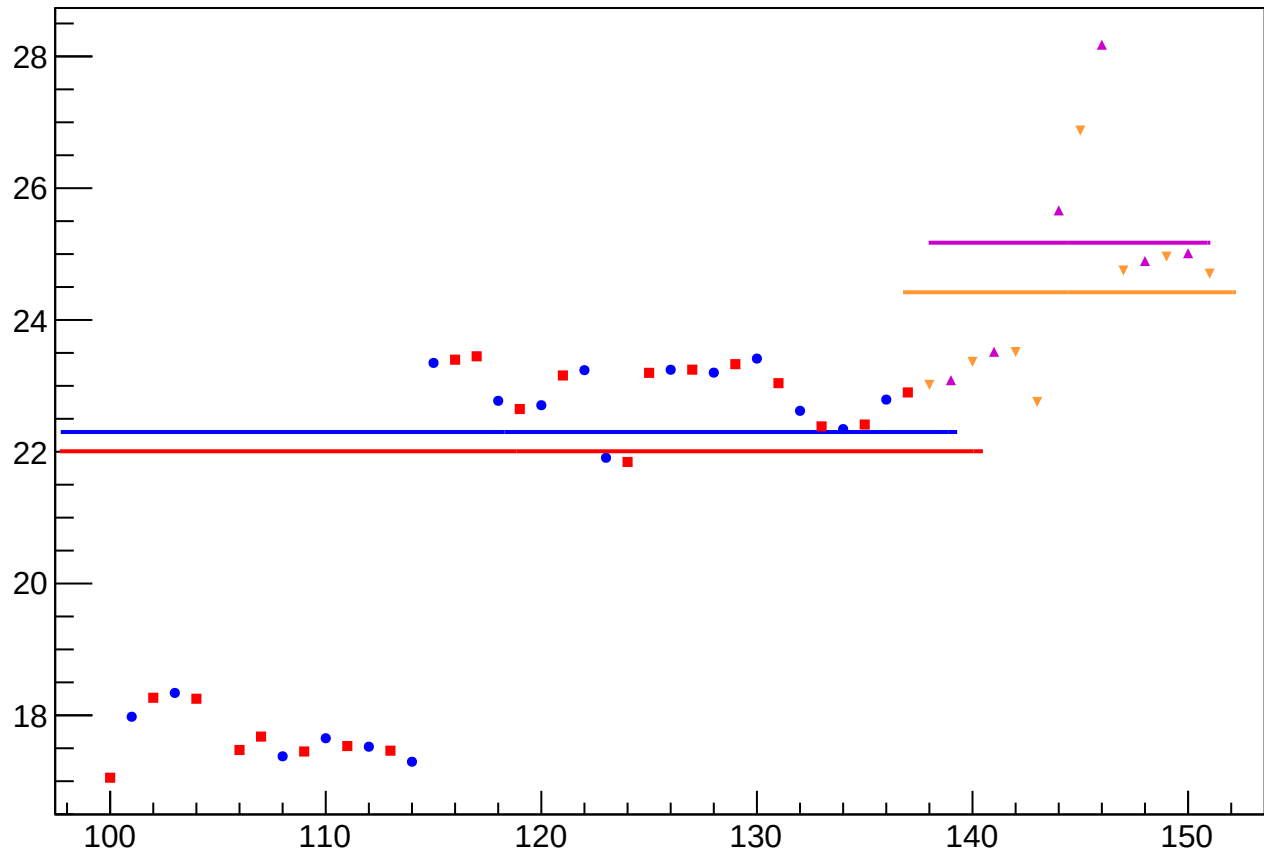
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:381617.2/5

0.011 $\pm$ 0.000 χ^2 /NDF: 2852011.4/24

0.012 $\pm$ 0.000 χ^2 /NDF: 5611250.4/50

0.012 $\pm$ 0.000 χ^2 /NDF: 2693336.2/25

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.300+/-0.000 χ^2/NDF : 938398636.8/16

Left Out: 24.421+/-0.000 χ^2/NDF : 810164342.5/7

Right Out: 22.007+/-0.000 χ^2/NDF : 1068683102.9/19

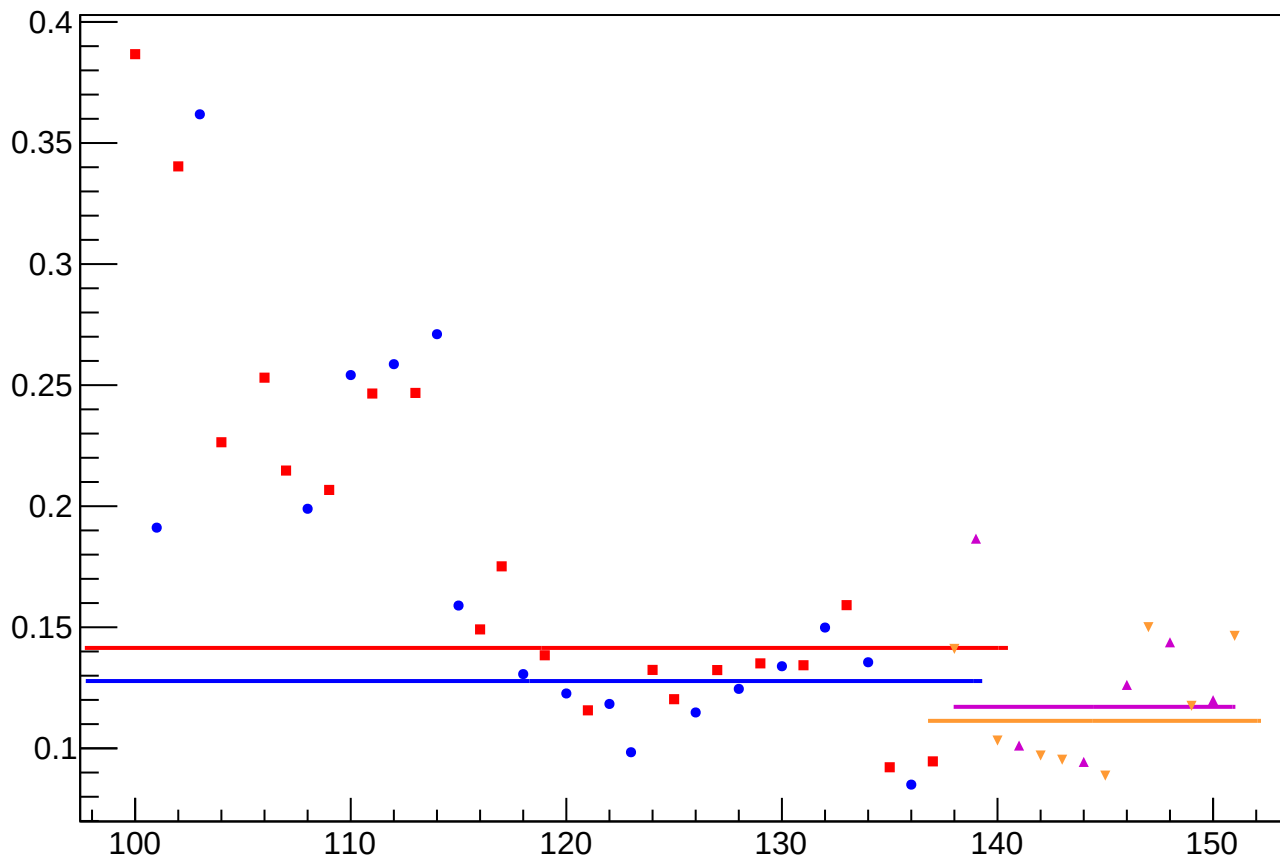
Left In: 25.173+/-0.000 χ^2/NDF : 689177543.1/5

23.469+/-0.000 χ^2/NDF : 2516529224.0/24

23.552+/-0.000 χ^2/NDF : 5726853620.3/5

23.652+/-0.000 χ^2/NDF : 3199817219.7/25

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.128+/-0.000 χ^2/NDF : 1492109.7/16

Left Out: 0.111+/-0.000 χ^2/NDF : 371827.1/7

Right Out: 0.141+/-0.000 χ^2/NDF : 1452162.4/19

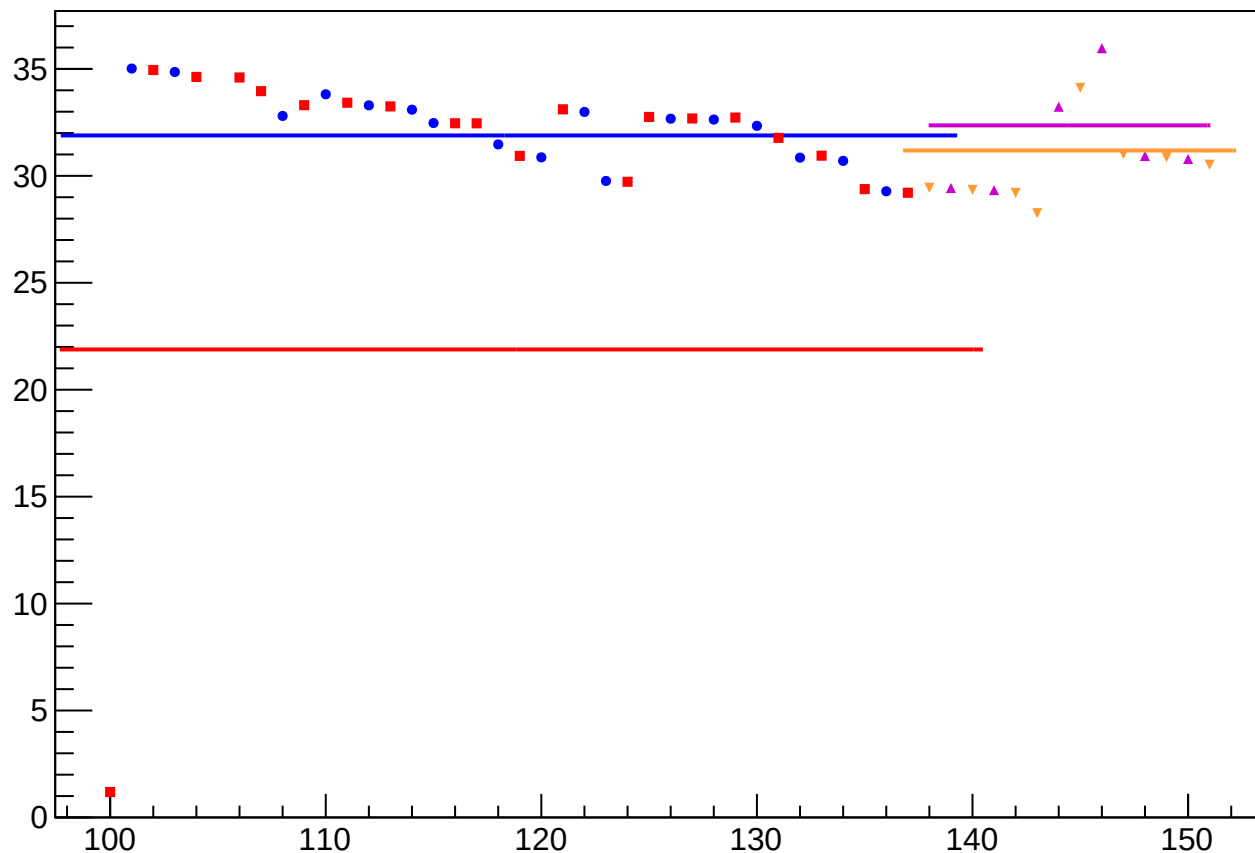
Left In: 0.117+/-0.000 χ^2/NDF : 375047.8/5

0.119+/-0.000 χ^2/NDF : 1956204.0/24

0.123+/-0.000 χ^2/NDF : 4017857.8/50

0.129+/-0.000 χ^2/NDF : 1997575.1/25

yield_sam3_mean vs Slug, Sign Corrected



Right In: 31.889+/-0.000 χ^2/NDF : 1930403776.3/16

Left Out: 31.186+/-0.000 χ^2/NDF : 4187534679.7/7

Right Out: 21.883+/-0.000 χ^2/NDF : 230247118310.5/19

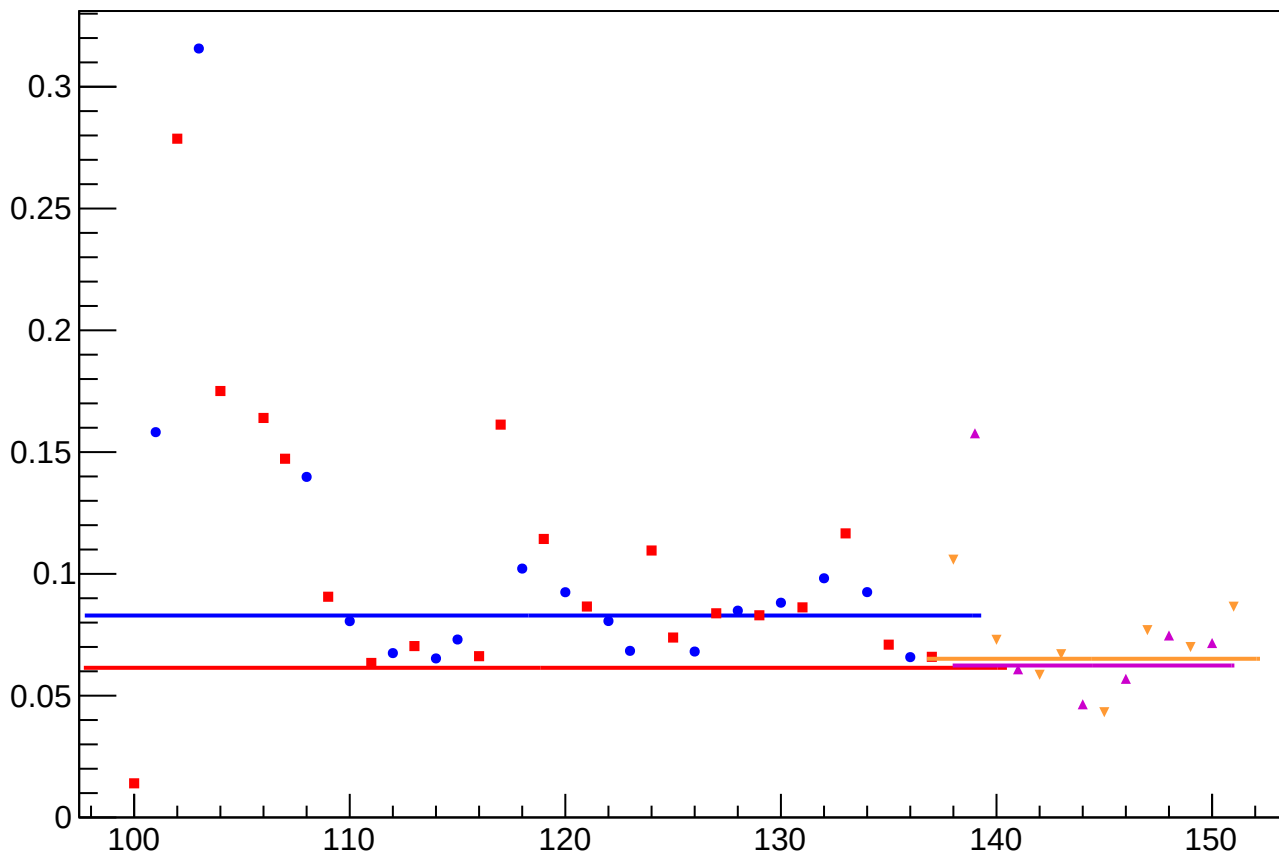
Left In: 32.360+/-0.000 χ^2/NDF : 4828461849.4/5

31.487+/-0.000 χ^2/NDF : 6319437145.3/24

28.867+/-0.000 χ^2/NDF : 315585965117.4

26.627+/-0.000 χ^2/NDF : 288060722484.2/25

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.083+/-0.000 χ^2/NDF : 1164452.3/16

Left Out: 0.065+/-0.000 χ^2/NDF : 581704.5/7

Right Out: 0.061+/-0.000 χ^2/NDF : 3635656.2/19

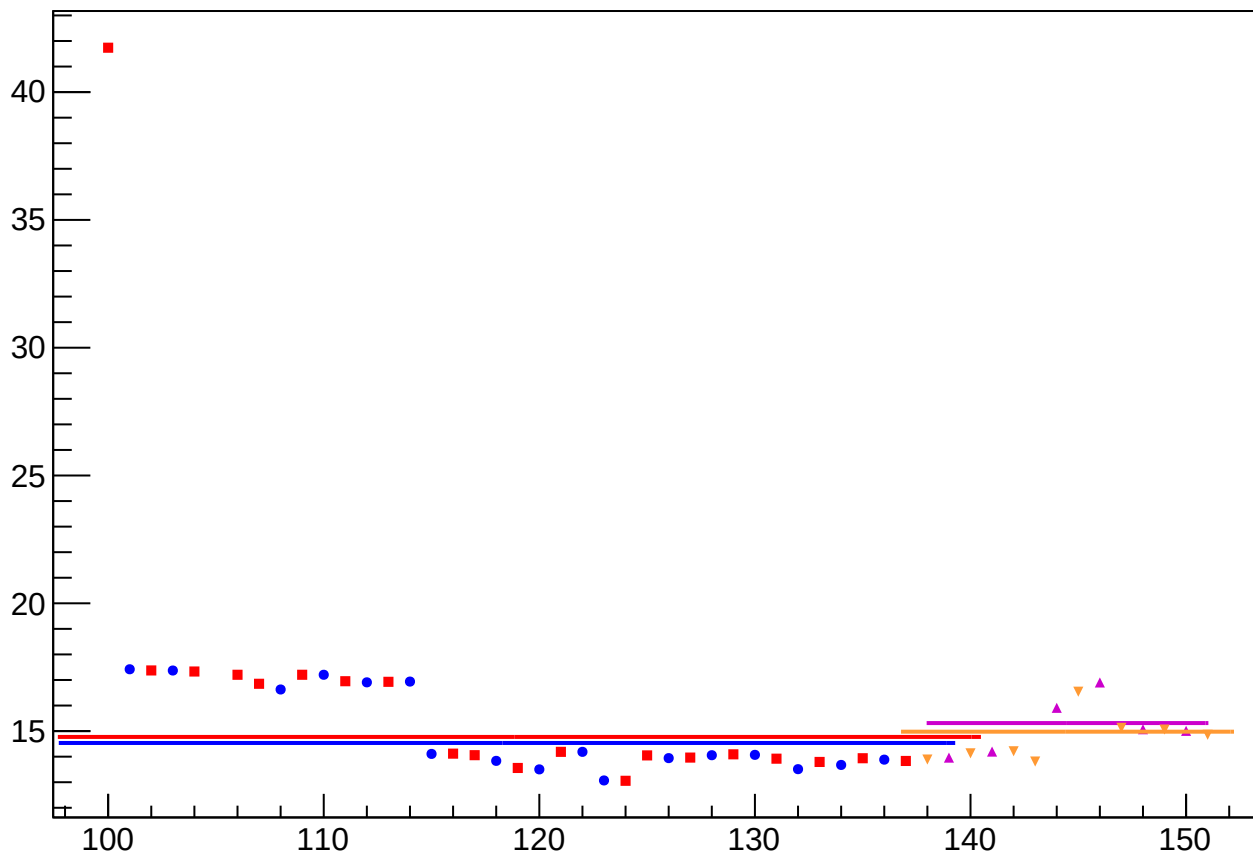
Left In: 0.062+/-0.000 χ^2/NDF : 728057.9/5

0.073+/-0.000 χ^2/NDF : 2003233.4/24

0.067+/-0.000 χ^2/NDF : 6580480.5/50

0.062+/-0.000 χ^2/NDF : 4364563.9/25

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.536 +/- 0.000 χ^2 /NDF: 1470499792.7/16

Left Out: 14.977 +/- 0.000 χ^2 /NDF: 944680759.5/7

Right Out: 14.772 +/- 0.000 χ^2 /NDF: 1887789052.4/19

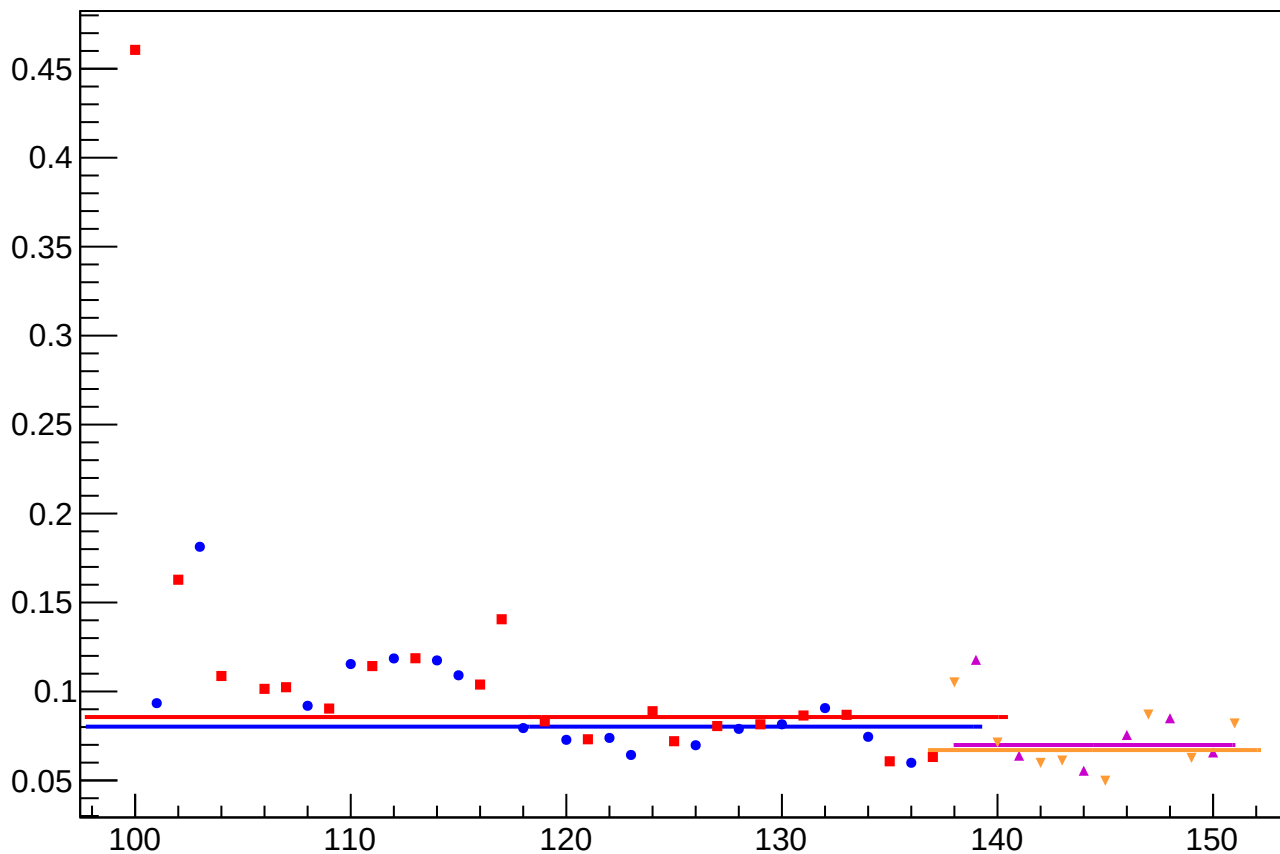
Left In: 15.314 +/- 0.000 χ^2 /NDF: 679146246.2/5

14.773 +/- 0.000 χ^2 /NDF: 2505100919.8/24

14.899 +/- 0.000 χ^2 /NDF: 5253537006.0/5

15.043 +/- 0.000 χ^2 /NDF: 2685485405.1/25

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.080 ± 0.000 $\chi^2/\text{NDF}: 778734.5/16$

Left Out: 0.067 ± 0.000 $\chi^2/\text{NDF}: 456048.0/7$

Right Out: 0.086 ± 0.000 $\chi^2/\text{NDF}: 750289.2/19$

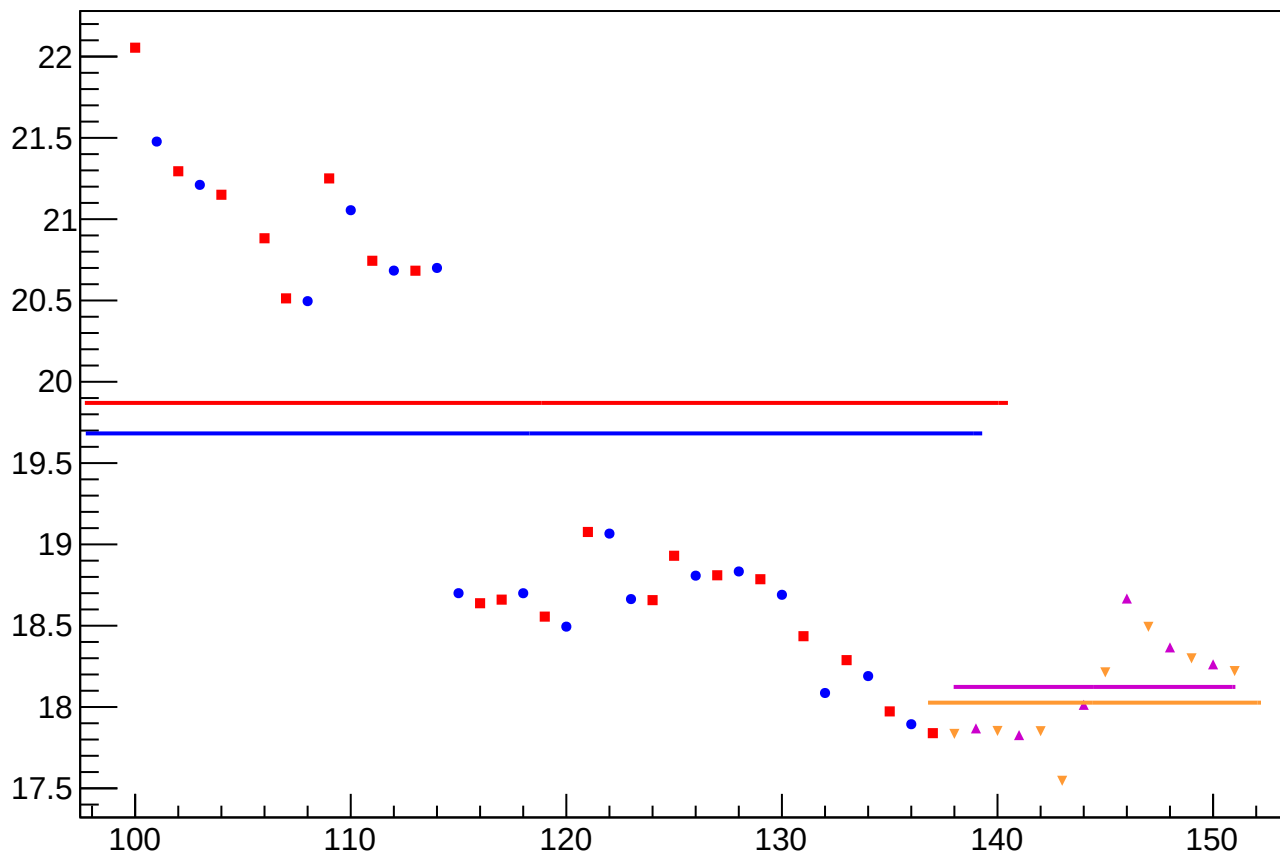
Left In: 0.070 ± 0.000 $\chi^2/\text{NDF}: 390401.9/5$

0.073 ± 0.000 $\chi^2/\text{NDF}: 1394372.3/24$

0.075 ± 0.000 $\chi^2/\text{NDF}: 2770713.7/50$

0.078 ± 0.000 $\chi^2/\text{NDF}: 1339701.8/25$

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.683+/-0.000 χ^2/NDF : 12276801857.2/16

Left Out: 18.027+/-0.000 χ^2/NDF : 389525376.8/7

Right Out: 19.870+/-0.000 χ^2/NDF : 11333011670.6/19

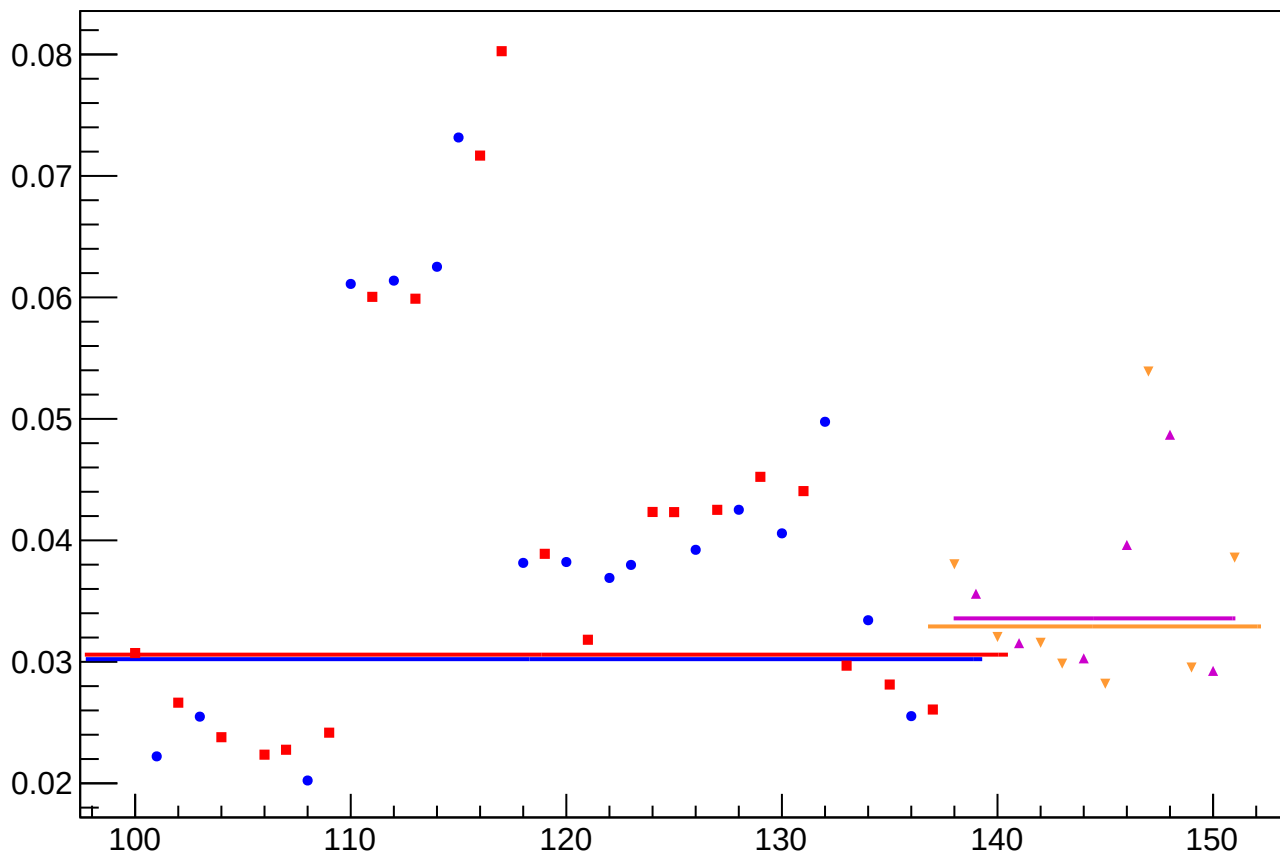
Left In: 18.124+/-0.000 χ^2/NDF : 296904851.9/5

18.948+/-0.000 χ^2/NDF : 20097534980.4/24

19.066+/-0.000 χ^2/NDF : 39559461751.4/24

19.190+/-0.000 χ^2/NDF : 19151795628.3/25

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF : 1324518.2/16

Left Out: 0.033+/-0.000 χ^2/NDF : 361012.9/7

Right Out: 0.031+/-0.000 χ^2/NDF : 1219224.0/19

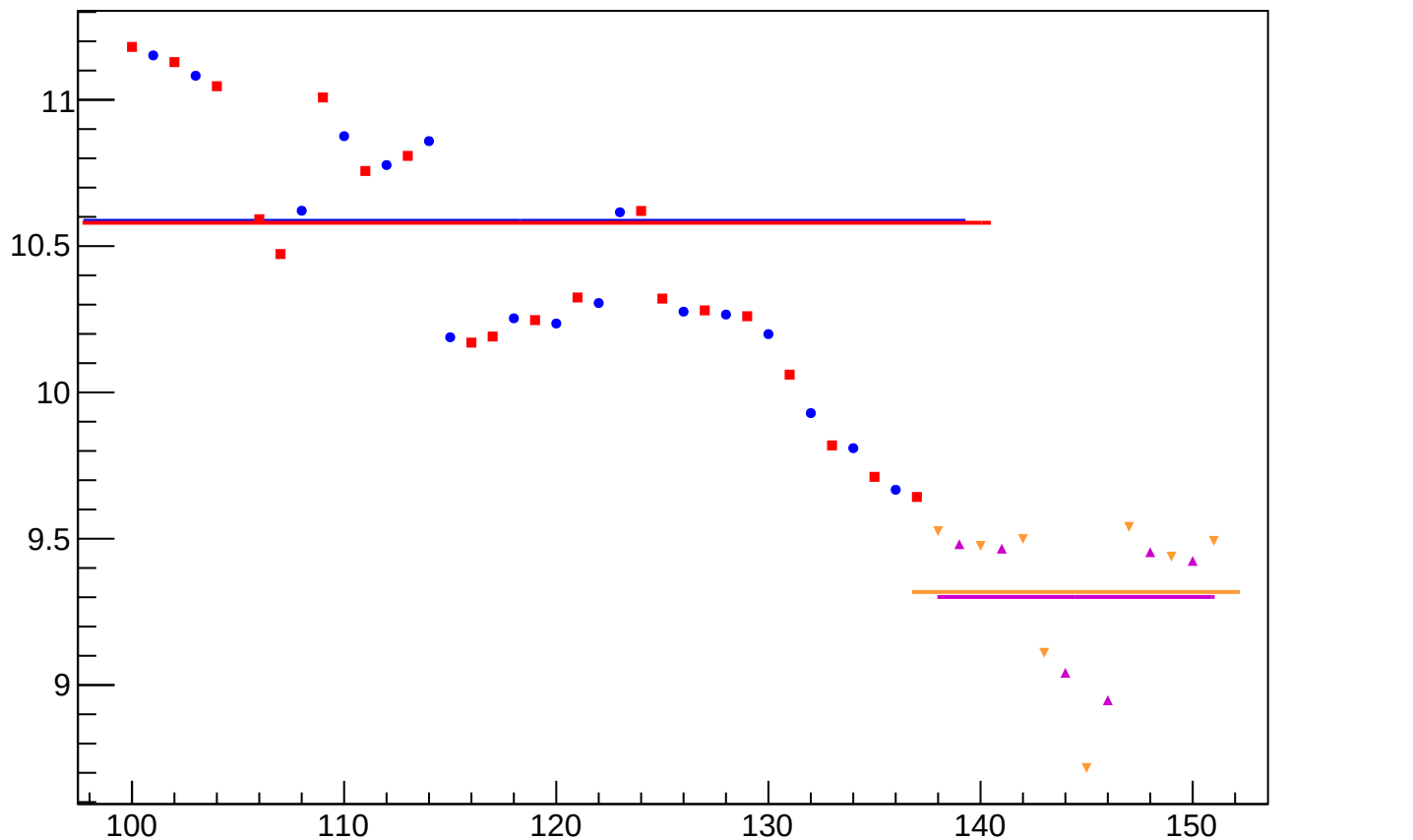
Left In: 0.034+/-0.000 χ^2/NDF : 249319.3/5

0.031+/-0.000 χ^2/NDF : 1724858.4/24

0.032+/-0.000 χ^2/NDF : 3238607.4/50

0.032+/-0.000 χ^2/NDF : 1512507.2/25

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.586+/-0.000 χ^2/NDF : 7420104563.4/16

Left Out: 9.318+/-0.000 χ^2/NDF : 1028820380.9/7

Right Out: 10.580+/-0.000 χ^2/NDF : 5769007164.9/19

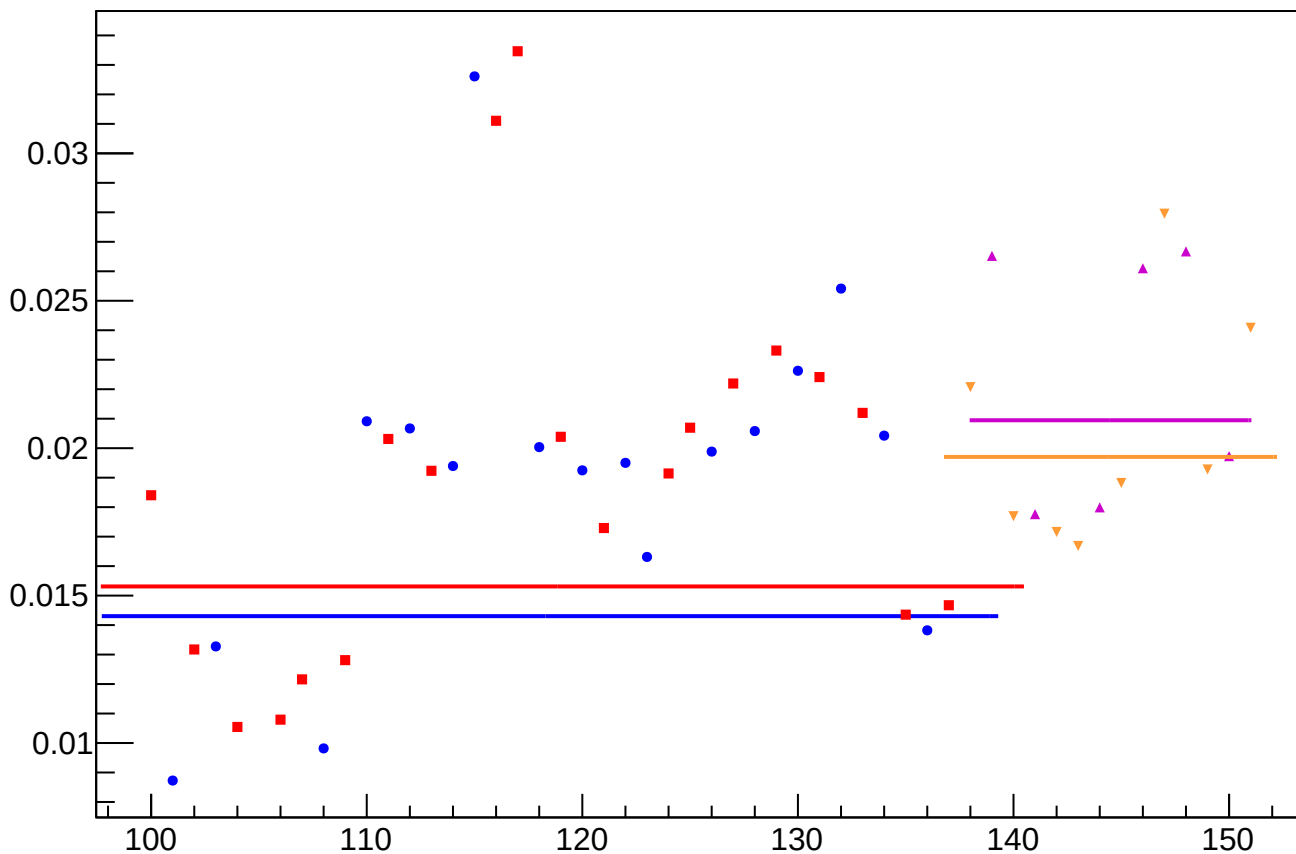
Left In: 9.301+/-0.000 χ^2/NDF : 449081936.1/5

10.161+/-0.000 χ^2/NDF : 22503005458.8/24

10.188+/-0.000 χ^2/NDF : 40516553921.2/24

10.217+/-0.000 χ^2/NDF : 17954398231.2/25

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1408012.0/16

Left Out: 0.020+/-0.000 χ^2/NDF : 272716.1/7

Right Out: 0.015+/-0.000 χ^2/NDF : 1011477.2/19

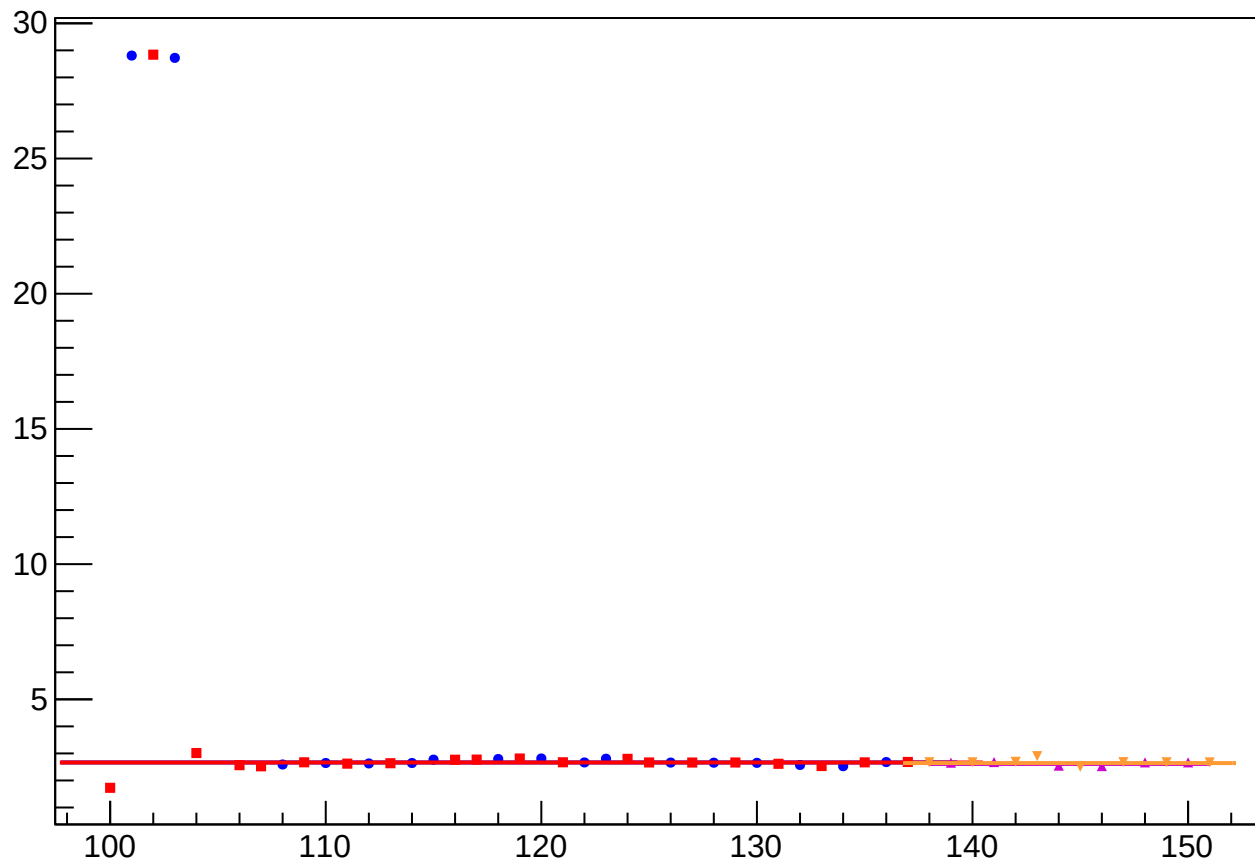
Left In: 0.021+/-0.000 χ^2/NDF : 286554.8/5

0.016+/-0.000 χ^2/NDF : 2190543.2/24

0.016+/-0.000 χ^2/NDF : 3967922.6/50

0.017+/-0.000 χ^2/NDF : 1753966.1/25

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.666 $\pm$ 0.000 χ^2 /NDF: 163167327359.4/16

Left Out: 2.643 $\pm$ 0.000 χ^2 /NDF: 11353781509.1/7

Right Out: 2.664 $\pm$ 0.000 χ^2 /NDF: 70484048082.1/19

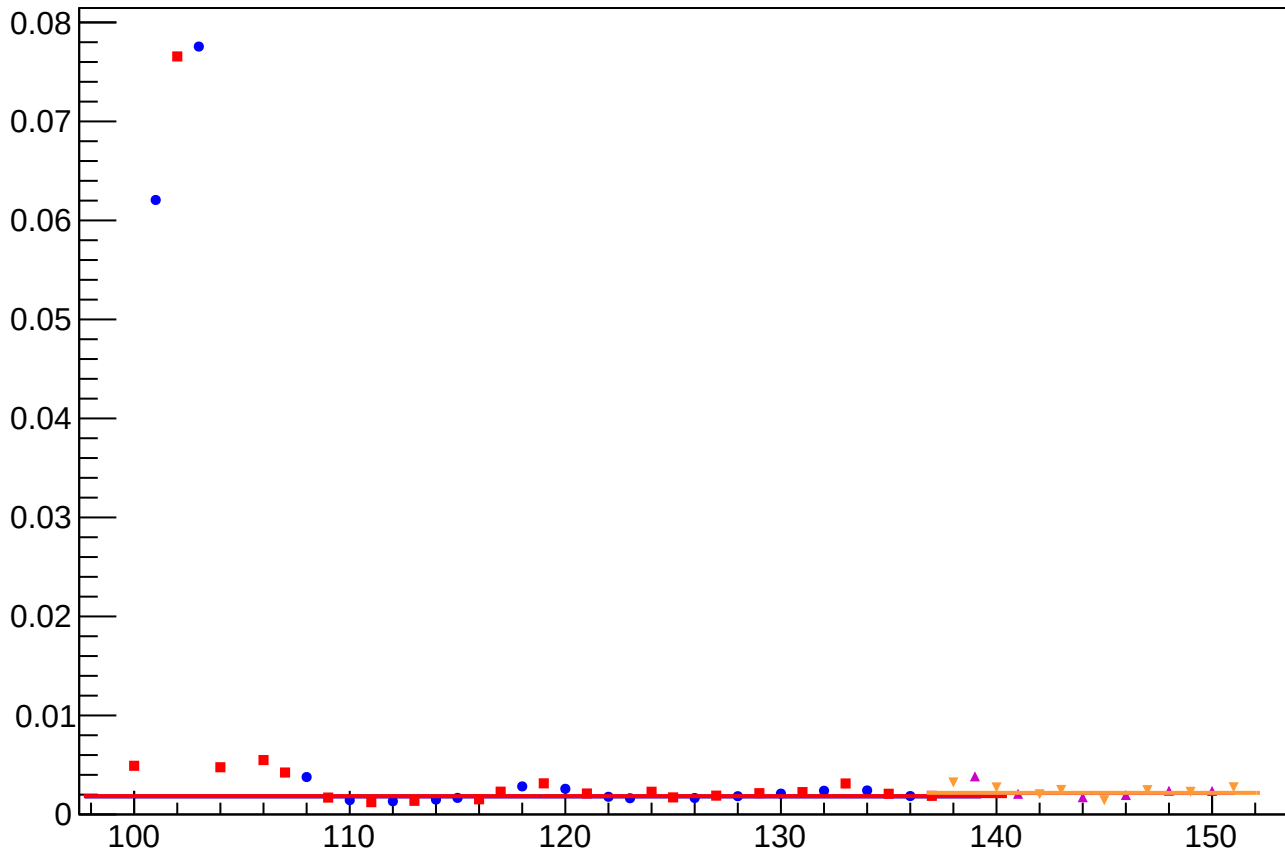
Left In: 2.611 $\pm$ 0.000 χ^2 /NDF: 3586360676.9/5

2.657 $\pm$ 0.000 χ^2 /NDF: 174806926413.7/24

2.651 $\pm$ 0.000 χ^2 /NDF: 250532467102.4/24

2.644 $\pm$ 0.000 χ^2 /NDF: 75554407294.4/25

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 : 588876.6/7

Right Out: 0.002+/-0.000 χ^2/NDF : 2334243.7/19

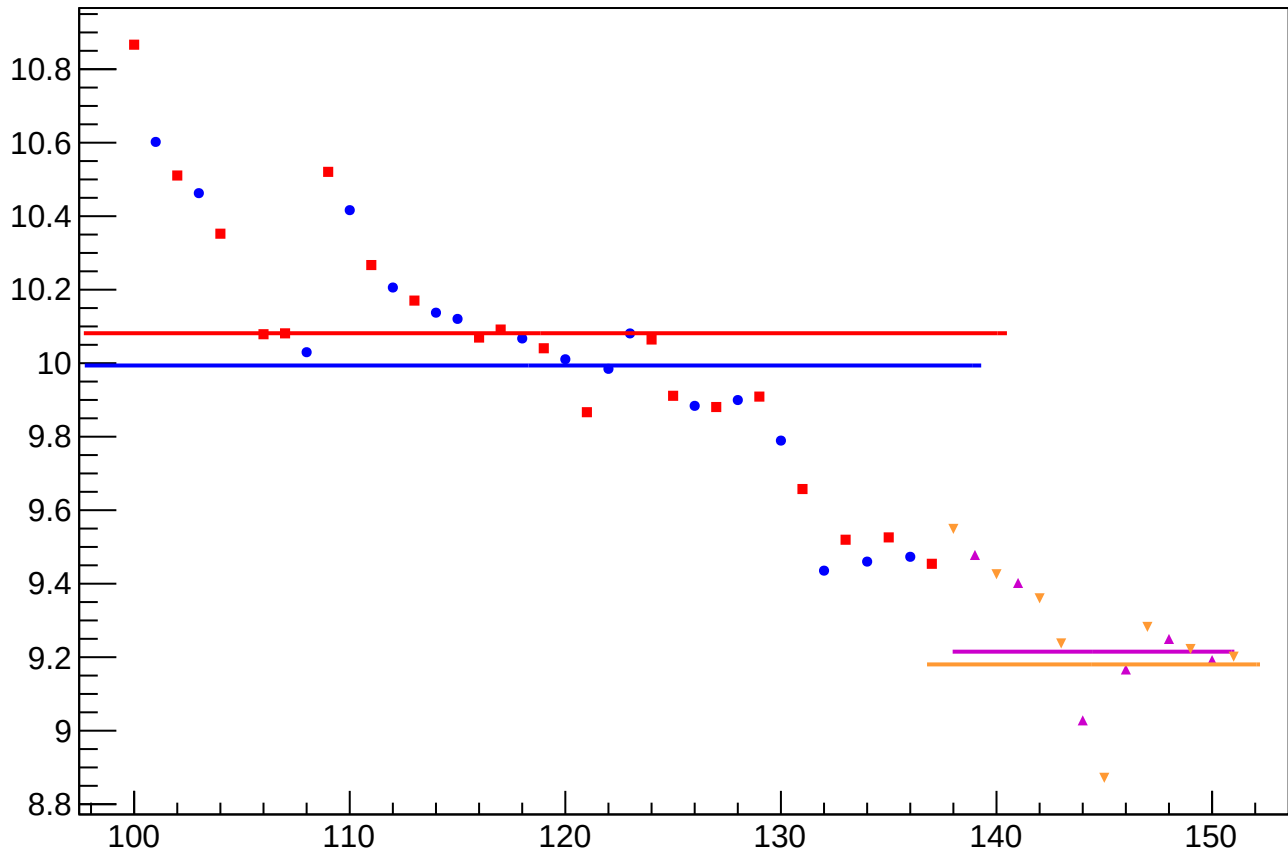
Left In: 0.002+/-0.000 χ^2/NDF : 384892.1/5

0.002+/-0.000 χ^2/NDF : 3395422.8/24

0.002+/-0.000 χ^2/NDF : 6217782.6/50

0.002+/-0.000 χ^2/NDF : 2822357.8/25

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.994+/-0.000 χ^2/NDF : 18815741664.6/16

Left Out: 9.180+/-0.000 χ^2/NDF : 4575928275.4/7

9.680+/-0.000 χ^2/NDF : 69600443471.6/24

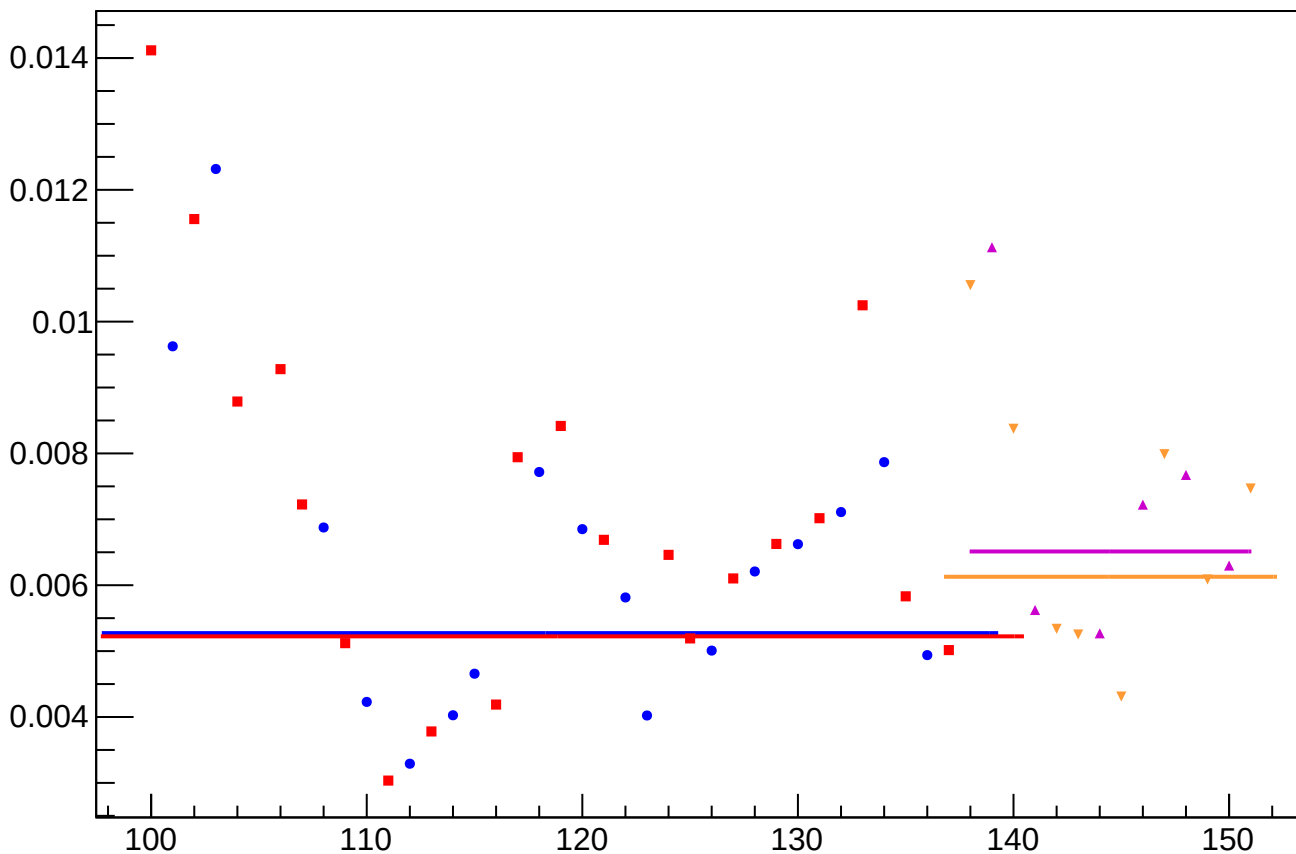
9.741+/-0.000 χ^2/NDF : 135404029764.3/24

Right Out: 10.082+/-0.000 χ^2/NDF : 15502760782.3/19

9.805+/-0.000 χ^2/NDF : 63517985336.3/25

Left In: 9.215+/-0.000 χ^2/NDF : 1871128101.7/5

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 : 648439.9/7

Right Out: 0.005+/-0.000 χ^2/NDF : 1667515.0/19

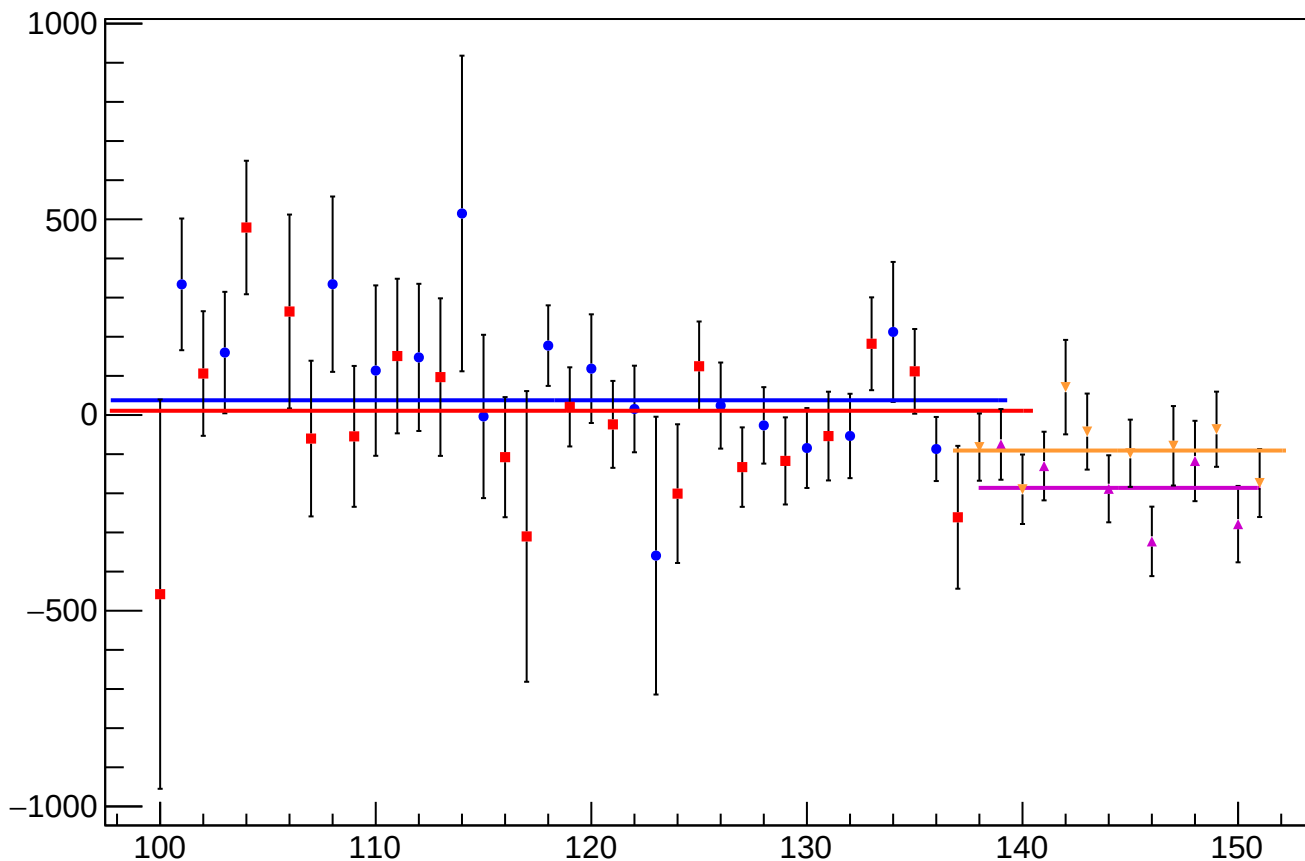
Left In: 0.007+/-0.000 χ^2/NDF : 380482.4/5

0.006+/-0.000 χ^2/NDF : 1996199.1/24

0.006+/-0.000 χ^2/NDF : 4248425.2/50

0.006+/-0.000 χ^2/NDF : 2251946.1/25

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 37.694 $\pm$ 32.253 χ^2/NDF : 16.7/16

Left Out: -90.723 $\pm$ 33.132 χ^2/NDF : 4.6/7

Right Out: 10.884 $\pm$ 31.947 χ^2/NDF : 23.5/19

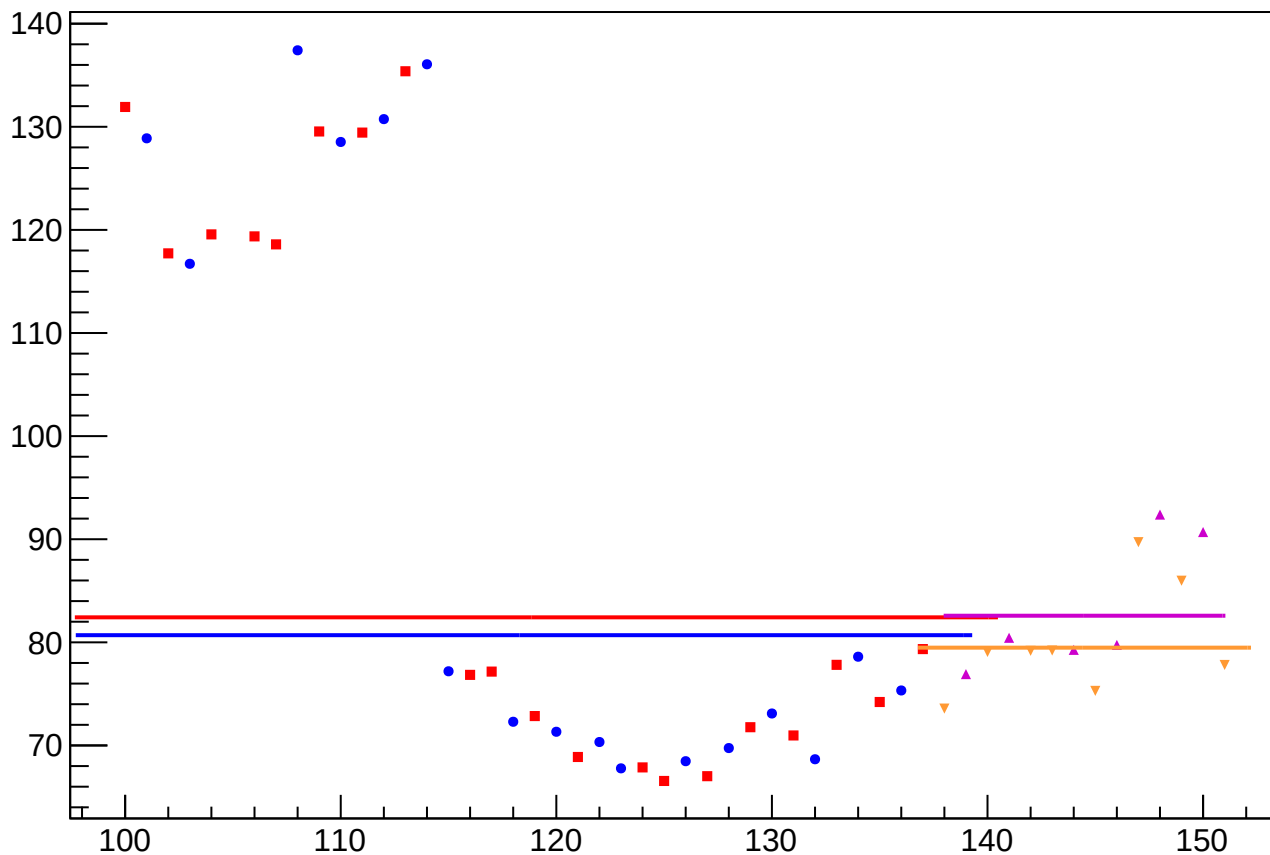
Left In: -186.134 $\pm$ 37.371 χ^2/NDF : 5.6/5

-24.790 $\pm$ 23.111 χ^2/NDF : 29.0/24

-47.371 $\pm$ 16.741 χ^2/NDF : 76.2/50

-72.303 $\pm$ 24.284 χ^2/NDF : 45.2/25

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.694+/-0.023 χ^2/NDF : 814026.4/16

Left Out: 79.484+/-0.023 χ^2/NDF : 44520.9/7

Right Out: 82.424+/-0.023 χ^2/NDF : 915282.5/19

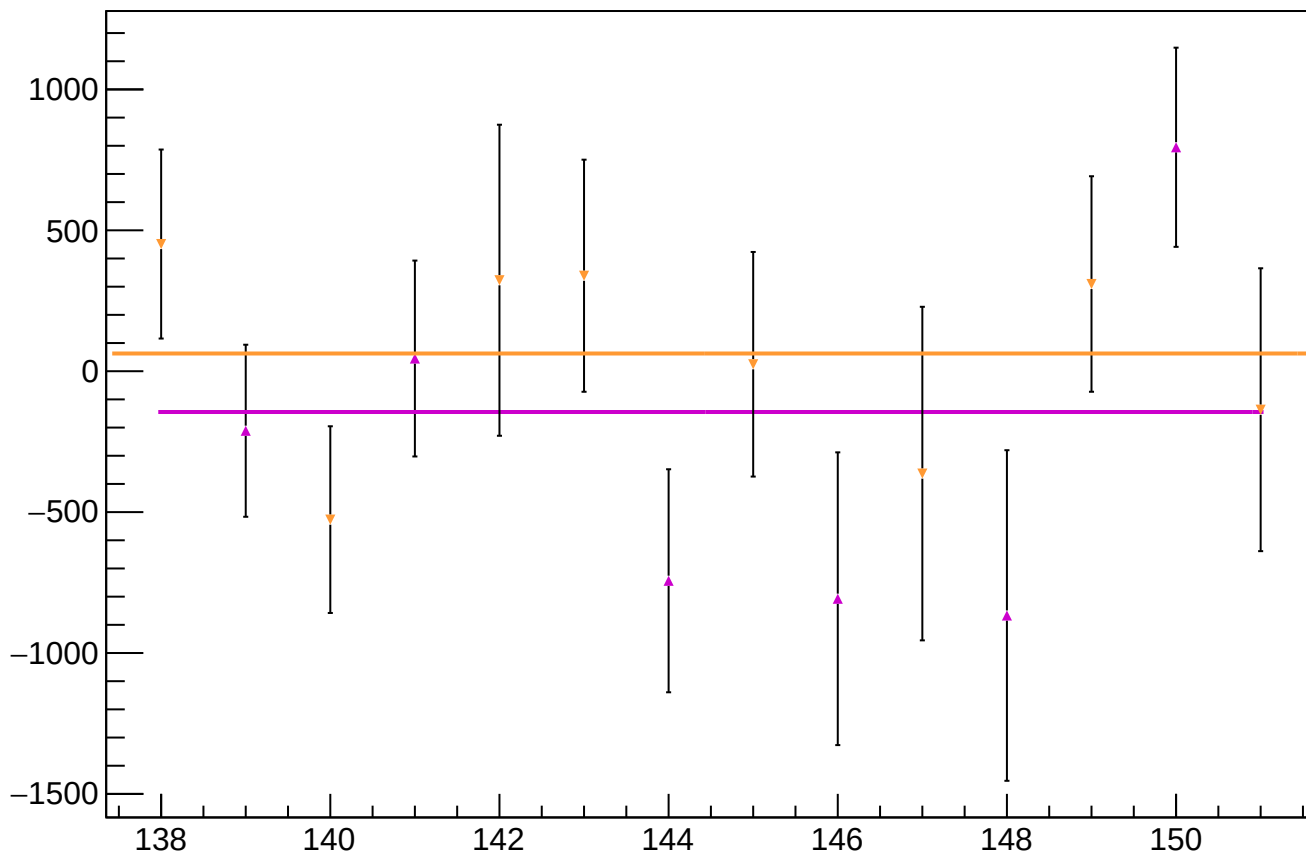
Left In: 82.581+/-0.026 χ^2/NDF : 46173.2/5

80.105+/-0.016 χ^2/NDF : 859917.0/24

81.239+/-0.012 χ^2/NDF : 1831517.9/50

82.491+/-0.017 χ^2/NDF : 961476.2/25

asym_sam1_correction_mean vs Slug, Sign Corrected



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

Left Out: 62.874+/-145.647 χ^2/NDF : 6.3/7

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

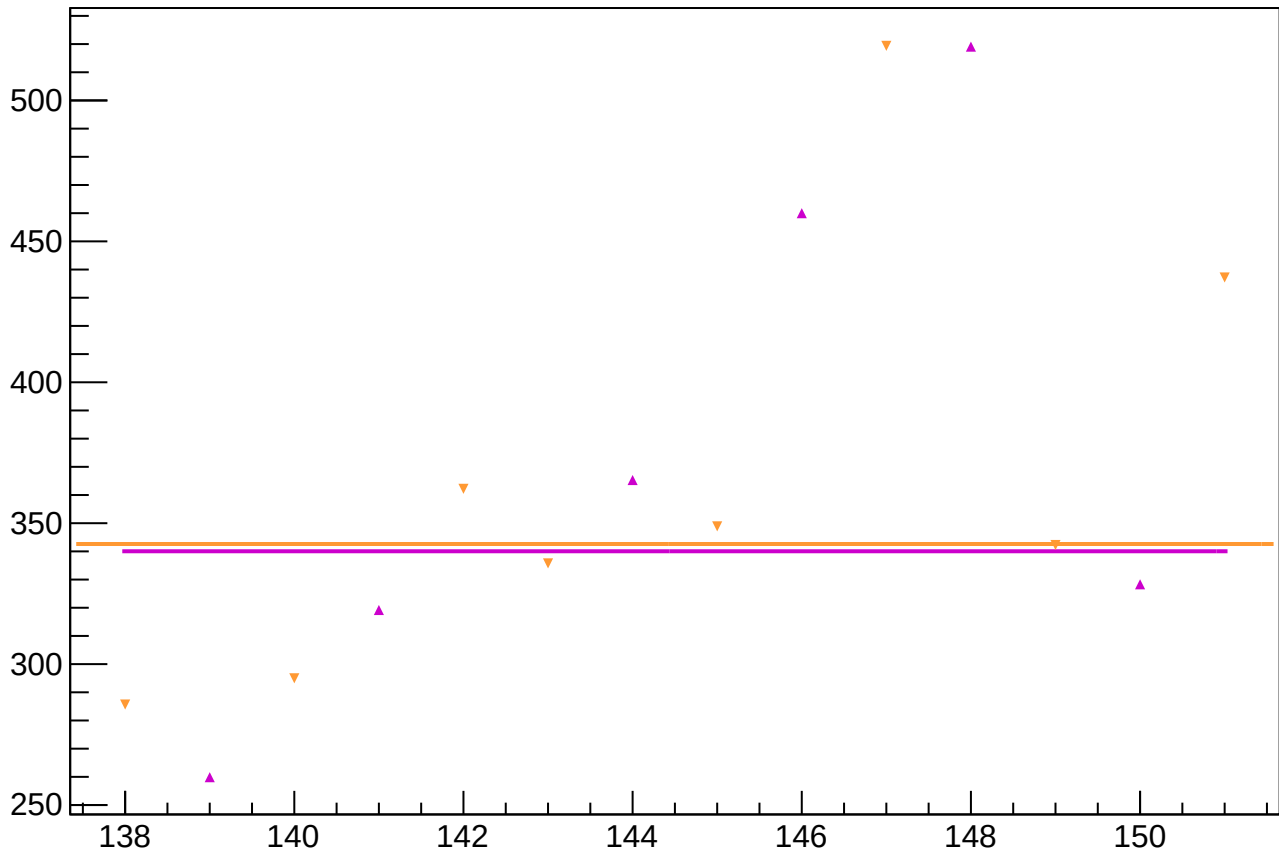
Left In: -144.738+/-158.091 χ^2/NDF : 12.8/5

62.874+/-145.647 χ^2/NDF : 6.3/7

-32.440+/-107.117 χ^2/NDF : 20.1/13

-144.738+/-158.091 χ^2/NDF : 12.8/5

asym_sam1_correction_rms vs Slug, Sign Corrected



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

Left Out: 342.621+/-0.103 χ^2/NDF : 351989.6/7

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

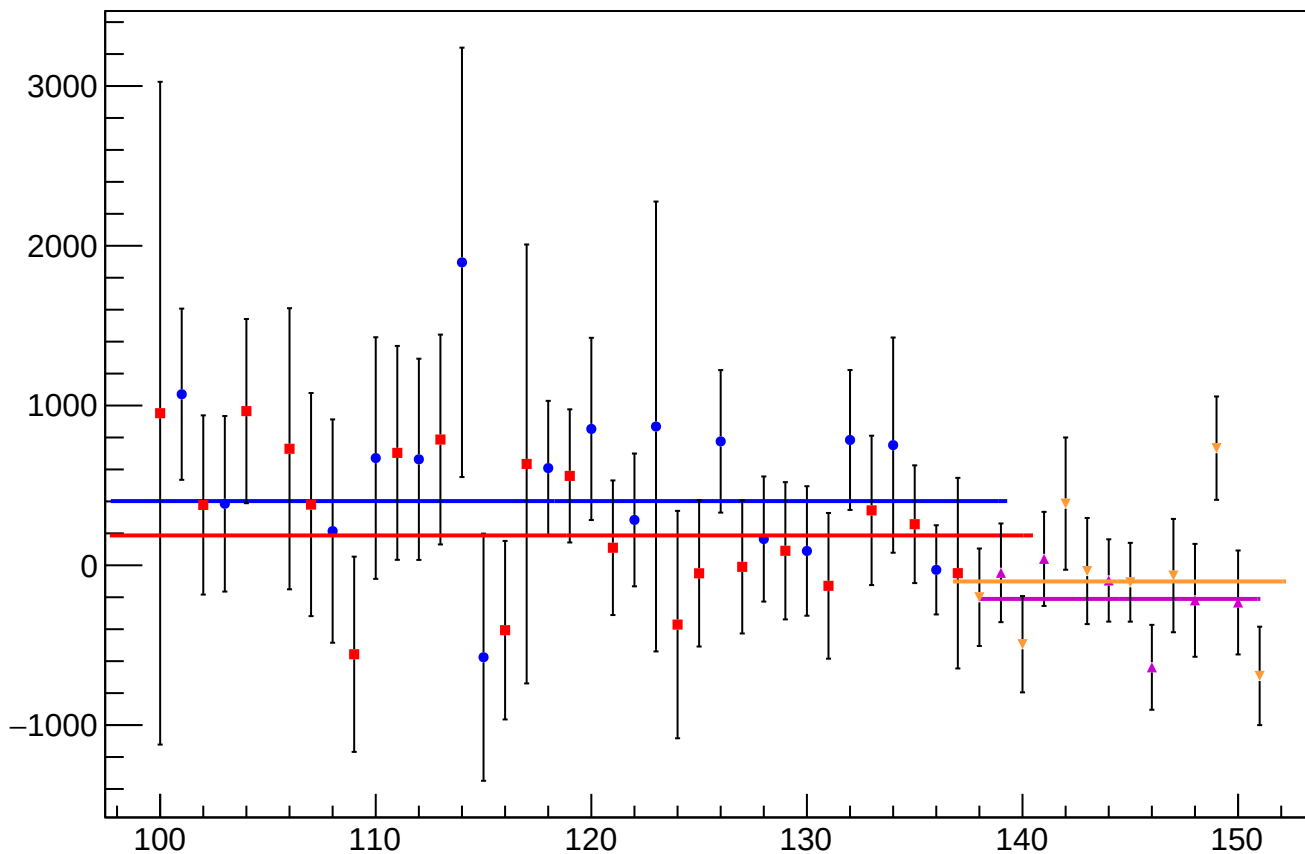
Left In: 340.042+/-0.112 χ^2/NDF : 448443.3/5

342.621+/-0.103 χ^2/NDF : 351989.6/7

341.437+/-0.076 χ^2/NDF : 800720.7/13

340.042+/-0.112 χ^2/NDF : 448443.3/5

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 401.871 ± 121.048 $\chi^2/\text{NDF}: 10.9/16$

Left Out: -101.149 ± 111.024 $\chi^2/\text{NDF}: 13.6/7$

Right Out: 186.914 ± 119.879 $\chi^2/\text{NDF}: 9.4/19$

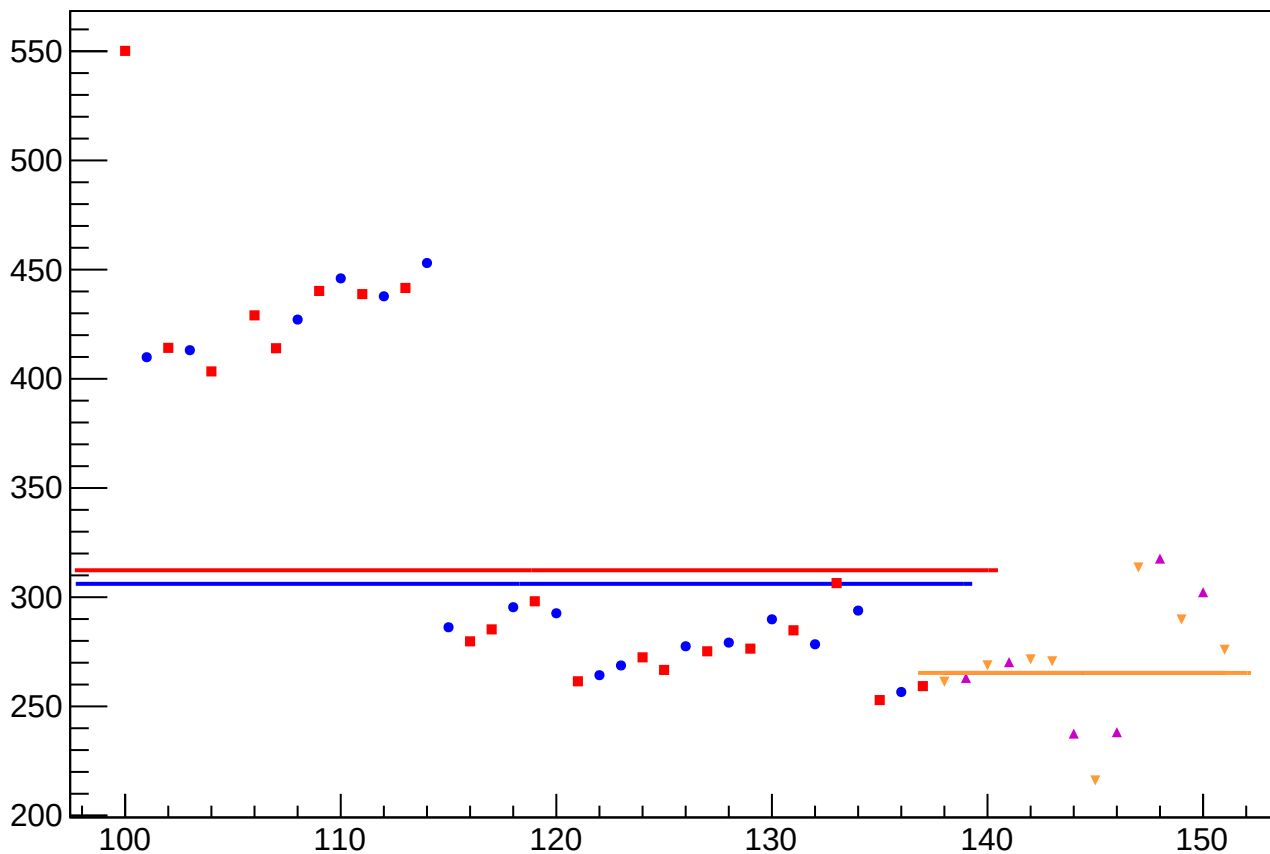
Left In: -210.380 ± 120.645 $\chi^2/\text{NDF}: 3.8/5$

128.675 ± 81.820 $\chi^2/\text{NDF}: 33.8/24$

61.786 ± 58.960 $\chi^2/\text{NDF}: 53.9/50$

-10.467 ± 85.037 $\chi^2/\text{NDF}: 18.7/25$

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 306.123+/-0.086 χ^2/NDF : 508435.8/16

Left Out: 265.327+/-0.079 χ^2/NDF : 132099.3/7

Right Out: 312.335+/-0.085 χ^2/NDF : 626552.3/19

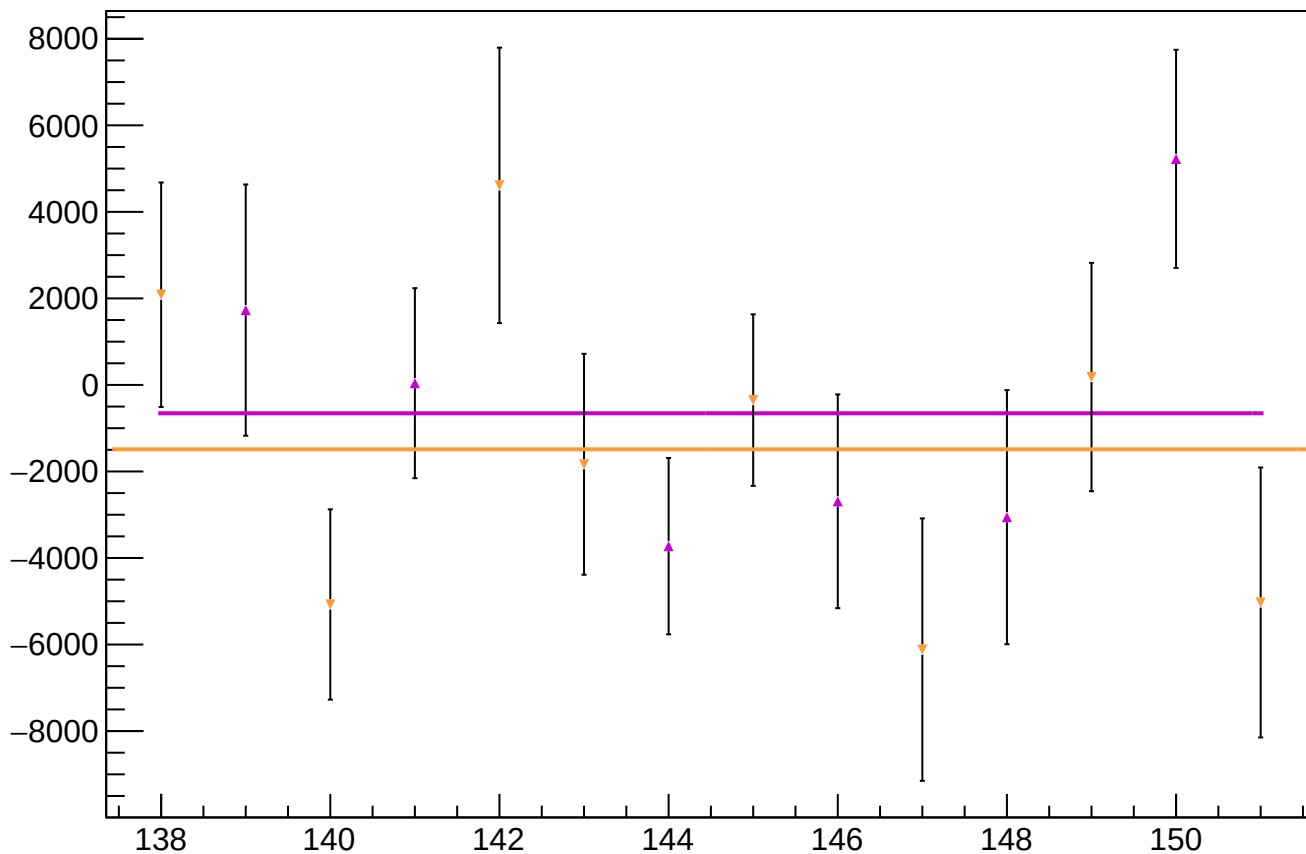
Left In: 265.322+/-0.085 χ^2/NDF : 114510.6/5

283.966+/-0.058 χ^2/NDF : 763917.4/24

286.376+/-0.042 χ^2/NDF : 1661404.4/50

288.978+/-0.060 χ^2/NDF : 893879.6/25

asym_sam2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1487.468+/-906.468 χ^2/NDF :12.6/7

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

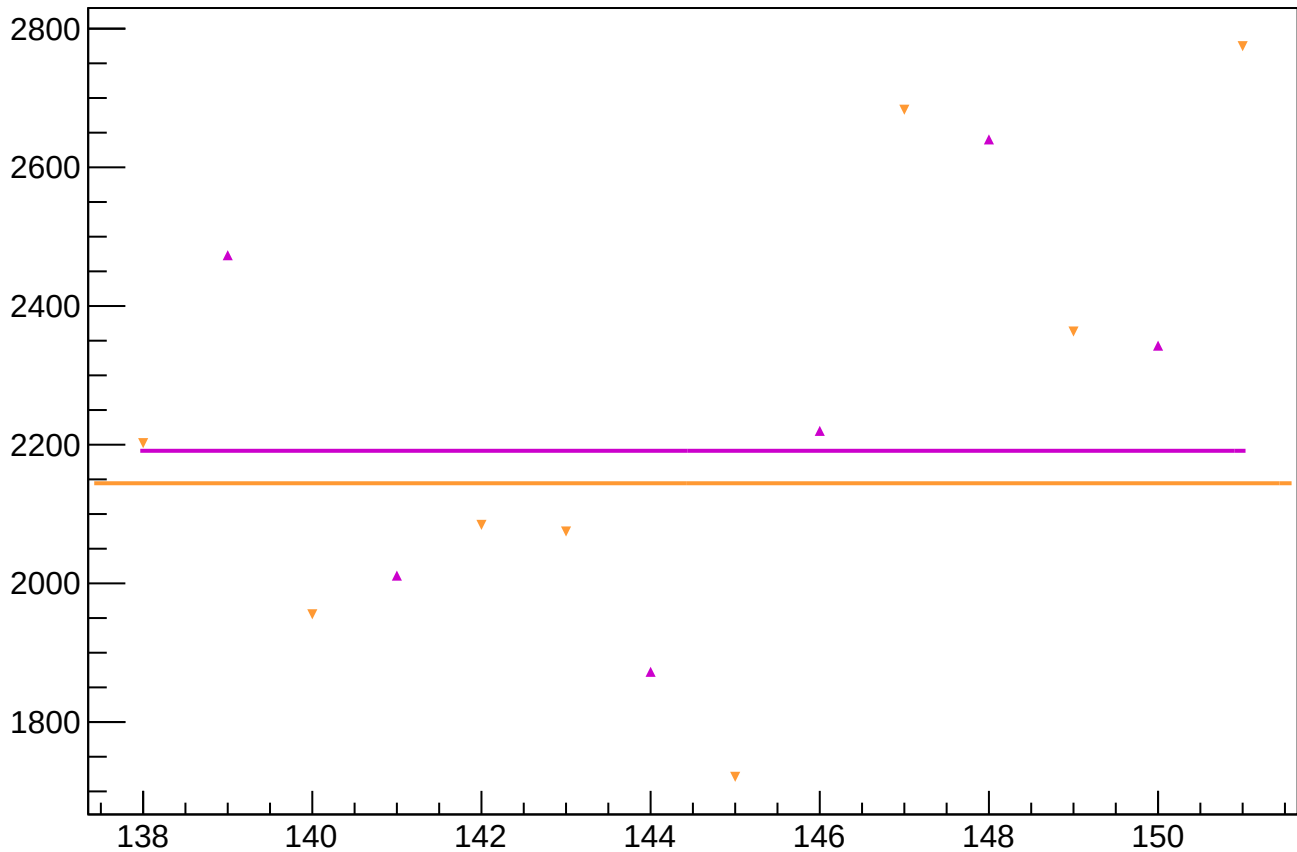
Left In: -654.850+/-998.060 χ^2/NDF :9.8/5

-1487.468+/-906.468 χ^2/NDF : 12.6/7

-1111.108+/-671.020 χ^2/NDF : 22.8/13

-654.850+/-998.060 χ^2/NDF : 9.8/5

asym_sam2_correction_rms vs Slug, Sign Corrected



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

Left Out: 2144.394+/-0.641 χ^2/NDF : 267675.4/7

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

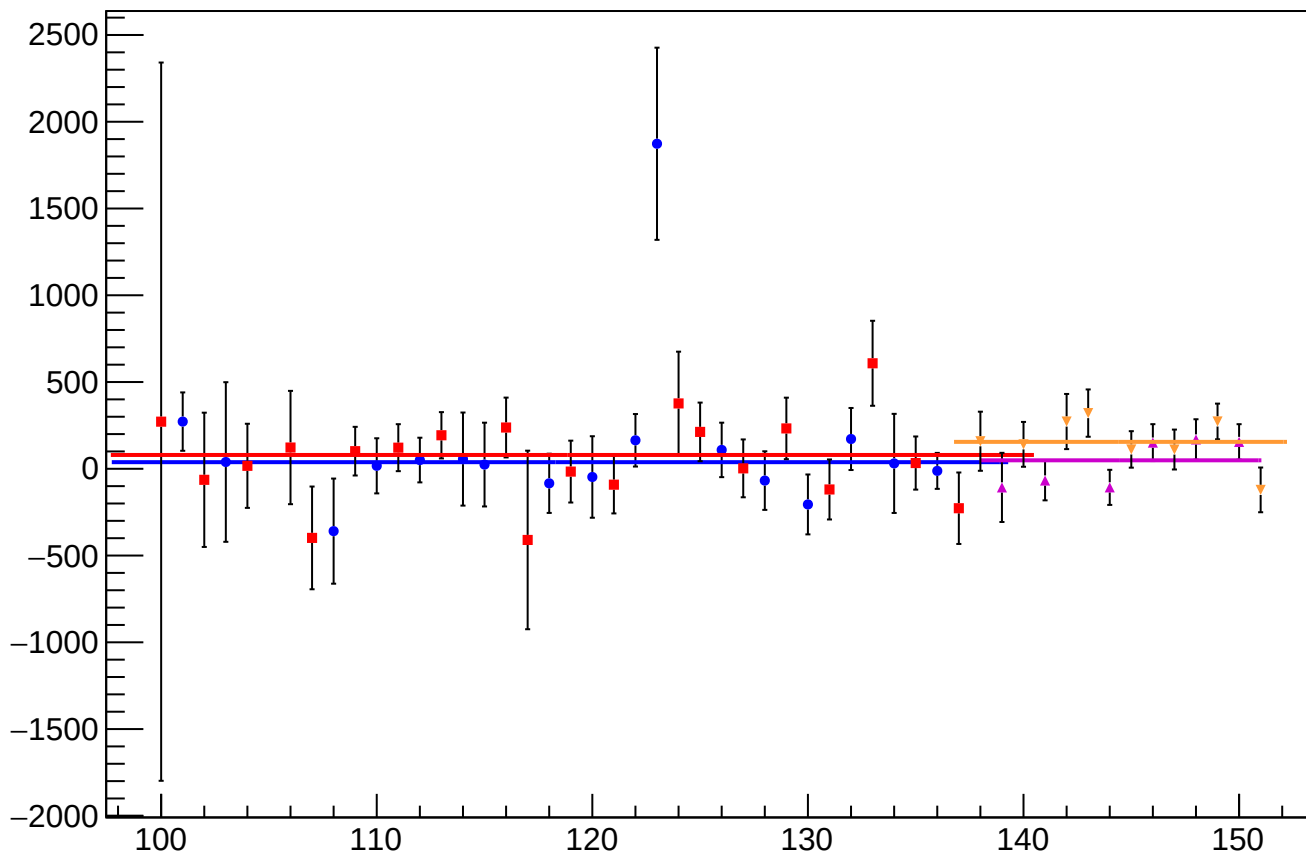
Left In: 2191.212+/-0.706 χ^2/NDF : 135503.2/5

2144.394+/-0.641 χ^2/NDF : 267675.4/7

2165.557+/-0.474 χ^2/NDF : 405590.3/13

2191.212+/-0.706 χ^2/NDF : 135503.2/5

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 38.126 ± 43.548 χ^2/NDF : 19.4/16

Left Out: 155.168 ± 44.341 χ^2/NDF : 8.3/7

Right Out: 79.665 ± 42.948 χ^2/NDF : 17.6/19

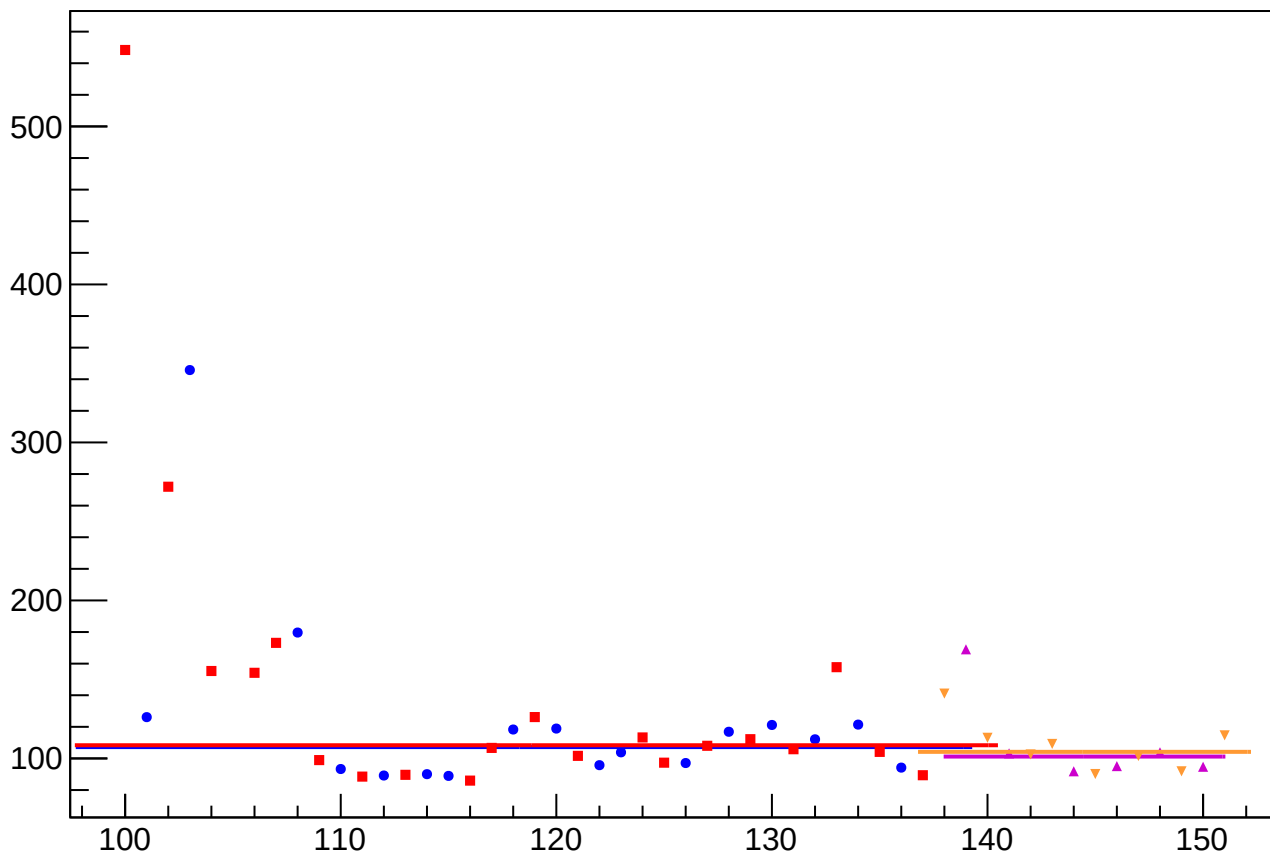
Left In: 48.814 ± 46.748 χ^2/NDF : 7.1/5

95.591 ± 31.070 χ^2/NDF : 31.2/24

80.835 ± 22.164 χ^2/NDF : 56.6/50

65.544 ± 31.627 χ^2/NDF : 25.0/25

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 107.189+/-0.031 χ^2/NDF : 843115.1/16

Left Out: 104.173+/-0.031 χ^2/NDF : 184697.9/7

Right Out: 108.347+/-0.030 χ^2/NDF : 917309.2/19

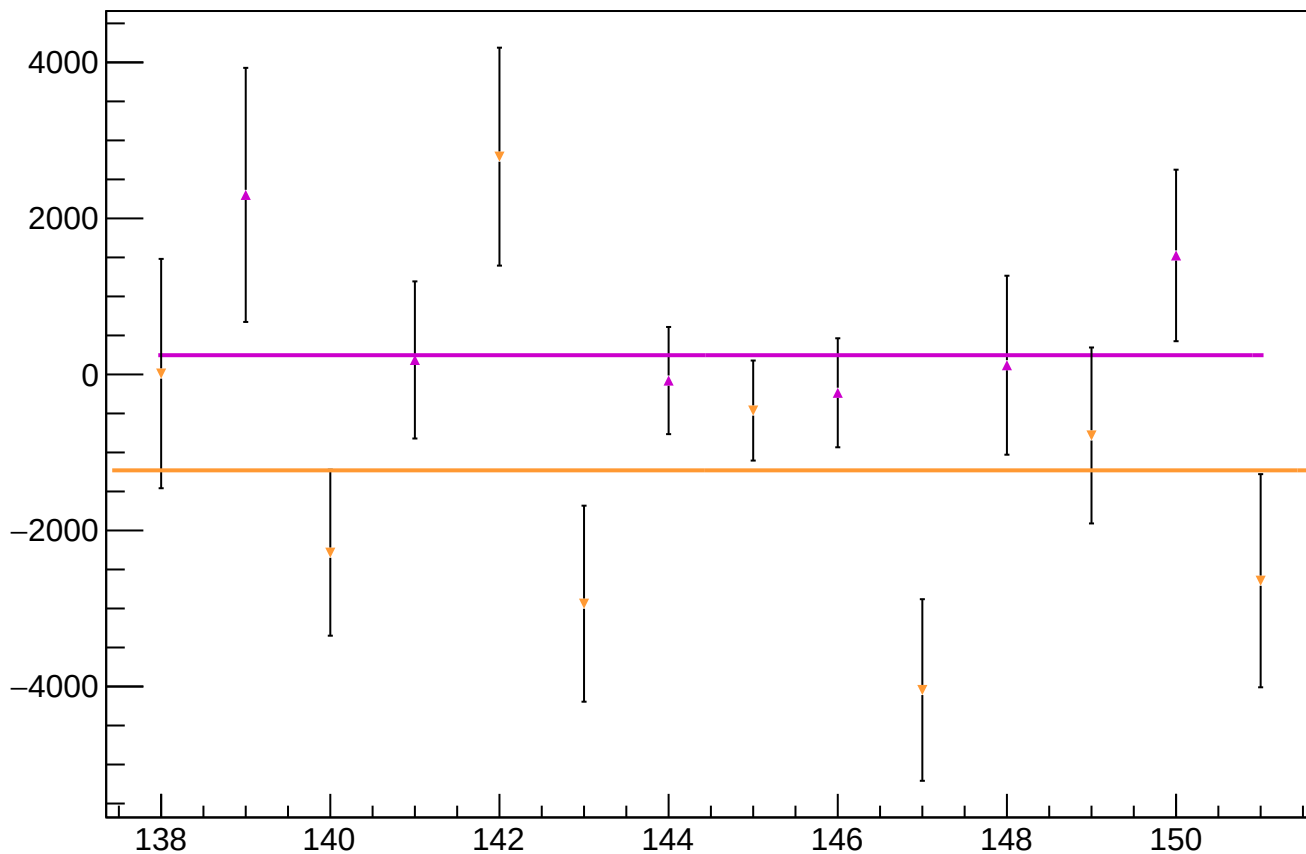
Left In: 101.186+/-0.033 χ^2/NDF : 265188.7/5

105.708+/-0.022 χ^2/NDF : 1032521.3/24

105.395+/-0.016 χ^2/NDF : 2240886.1/50

105.069+/-0.022 χ^2/NDF : 1207949.2/25

asym_sam3_correction_mean vs Slug, Sign Corrected



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

Left Out: -1229.334+/-378.366 χ^2/NDF : 20.3/7

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

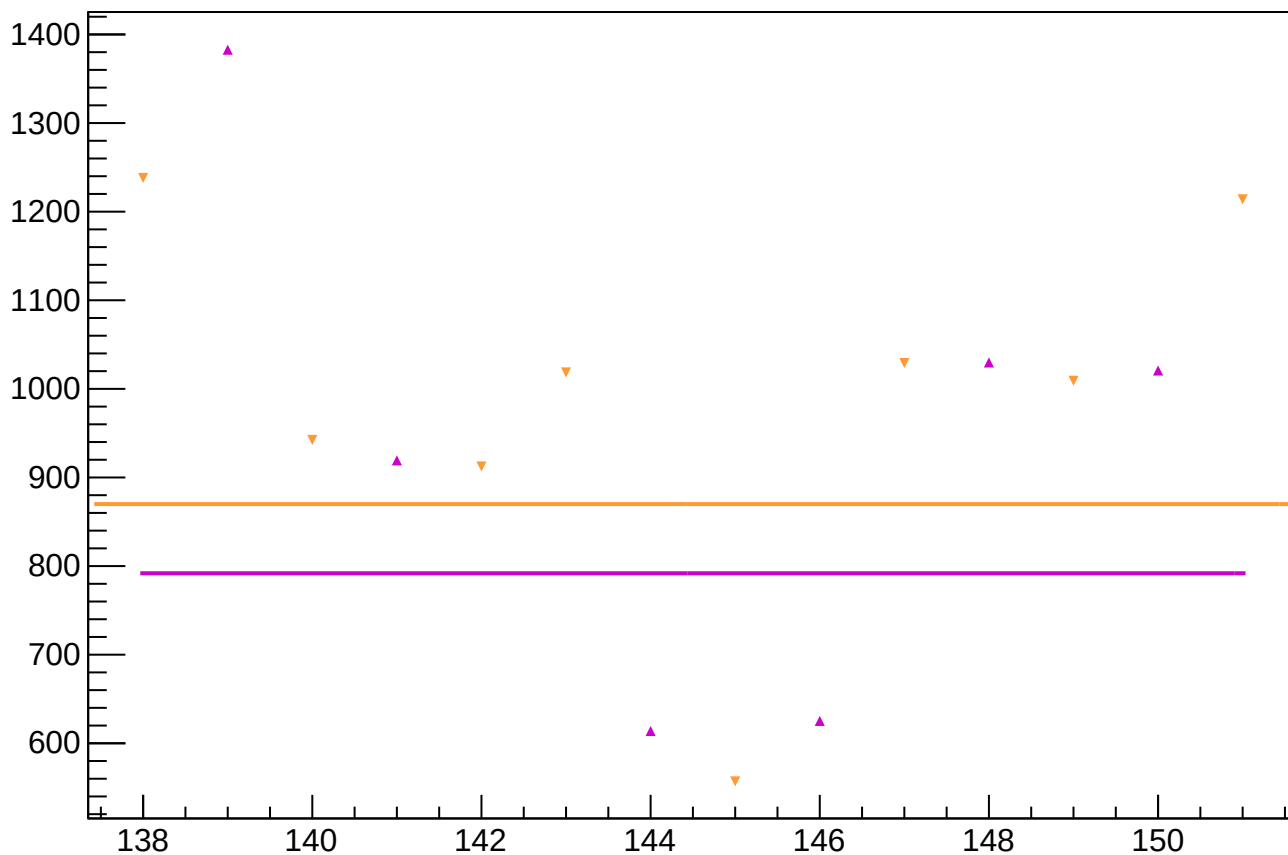
Left In: 246.701+/-374.802 χ^2/NDF : 3.7/5

-1229.334+/-378.366 χ^2/NDF : 20.3/7

-484.332+/-266.276 χ^2/NDF : 31.7/13

246.701+/-374.802 χ^2/NDF : 3.7/5

asym_sam3_correction_rms vs Slug, Sign Corrected



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

Left Out: 869.970+/-0.268 χ^2/NDF : 835729.9/7

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

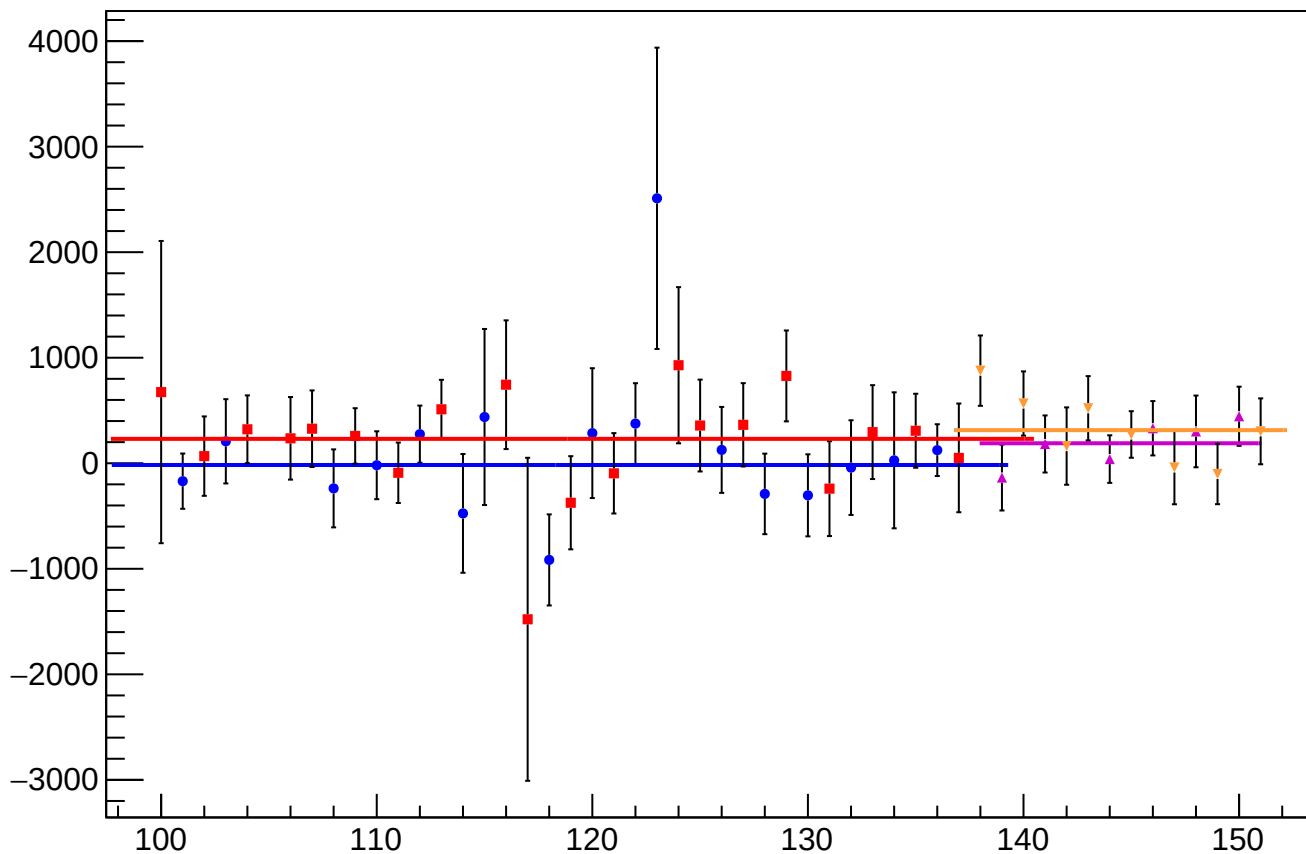
Left In: 791.899+/-0.265 χ^2/NDF : 716207.0/5

869.970+/-0.268 χ^2/NDF : 835729.9/7

830.565+/-0.188 χ^2/NDF : 1594915.2/13

791.899+/-0.265 χ^2/NDF : 716207.0/5

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -16.459+/-93.285 χ^2/NDF : 13.4/16

Left Out: 313.671+/-105.857 χ^2/NDF : 7.3/7

Right Out: 231.209+/-88.787 χ^2/NDF : 11.6/19

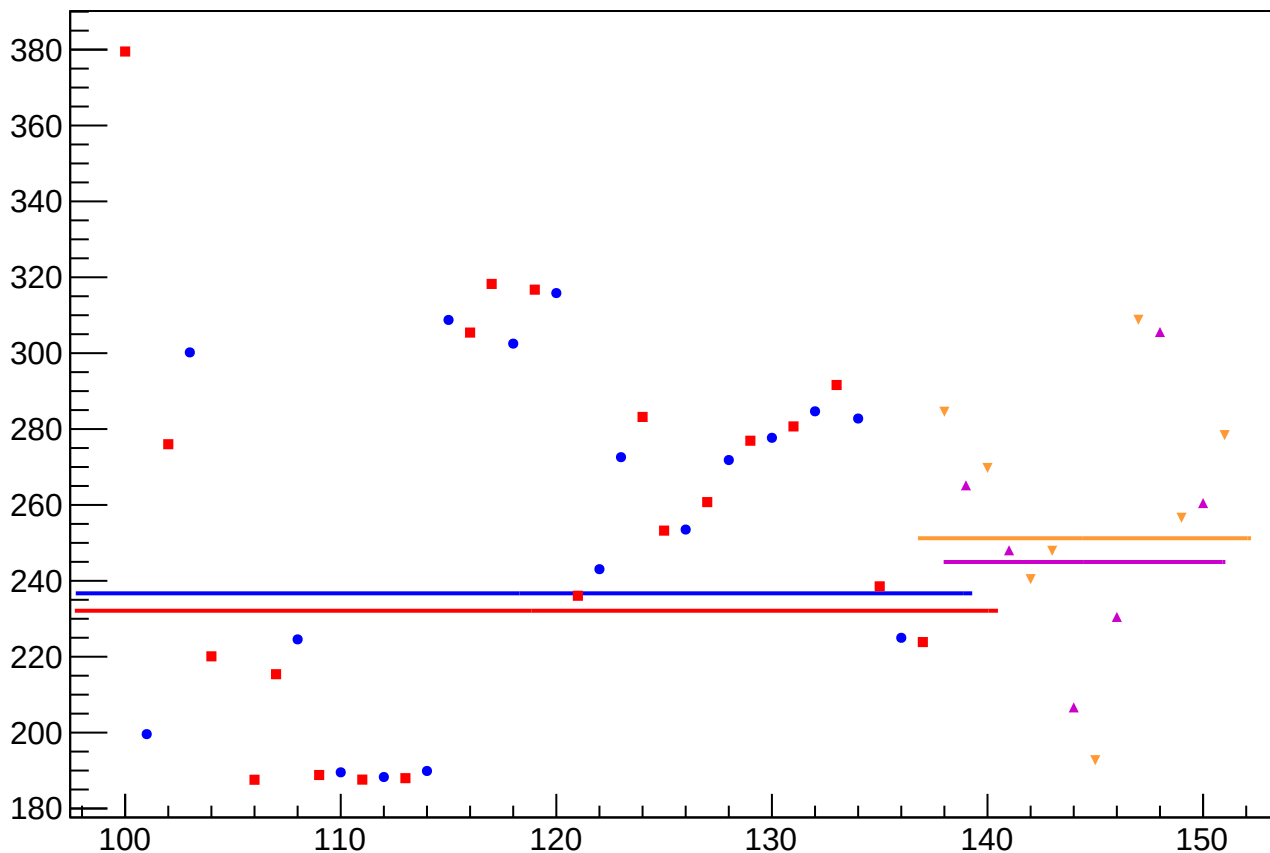
Left In: 189.415+/-111.725 χ^2/NDF : 2.8/5

127.846+/-69.987 χ^2/NDF : 26.3/24

171.736+/-49.319 χ^2/NDF : 41.5/50

215.031+/-69.511 χ^2/NDF : 14.4/25

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 236.706+/-0.066 χ^2/NDF : 390344.9/16

Left Out: 251.222+/-0.075 χ^2/NDF : 240307.0/7

Right Out: 232.119+/-0.063 χ^2/NDF : 449633.1/19

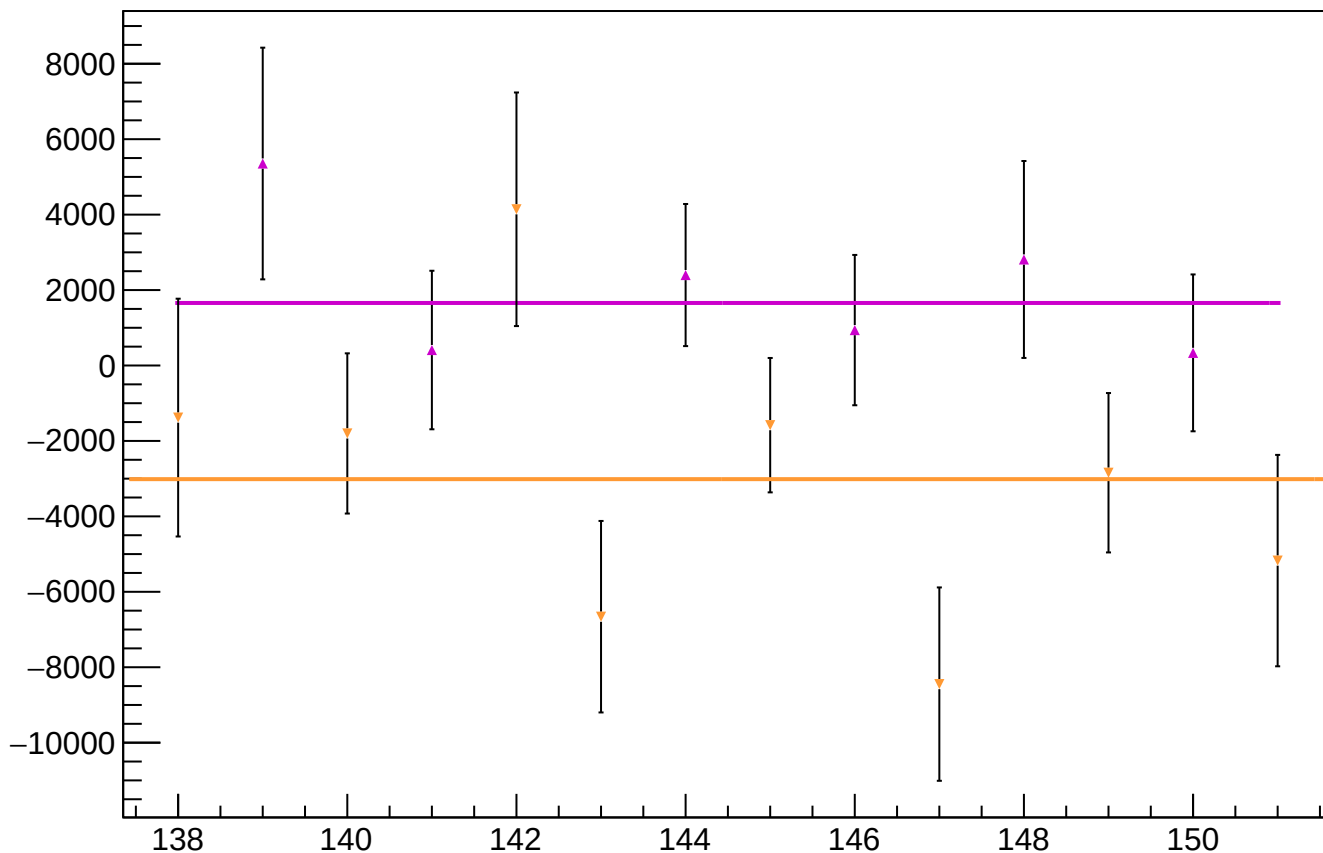
Left In: 244.966+/-0.079 χ^2/NDF : 142503.8/5

243.051+/-0.049 χ^2/NDF : 651819.3/24

240.051+/-0.035 χ^2/NDF : 1267463.6/50

237.092+/-0.049 χ^2/NDF : 608345.1/25

asym_sam4_correction_mean vs Slug, Sign Corrected



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

Left Out: -3013.128+/-845.052 χ^2/NDF :13.7/7

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

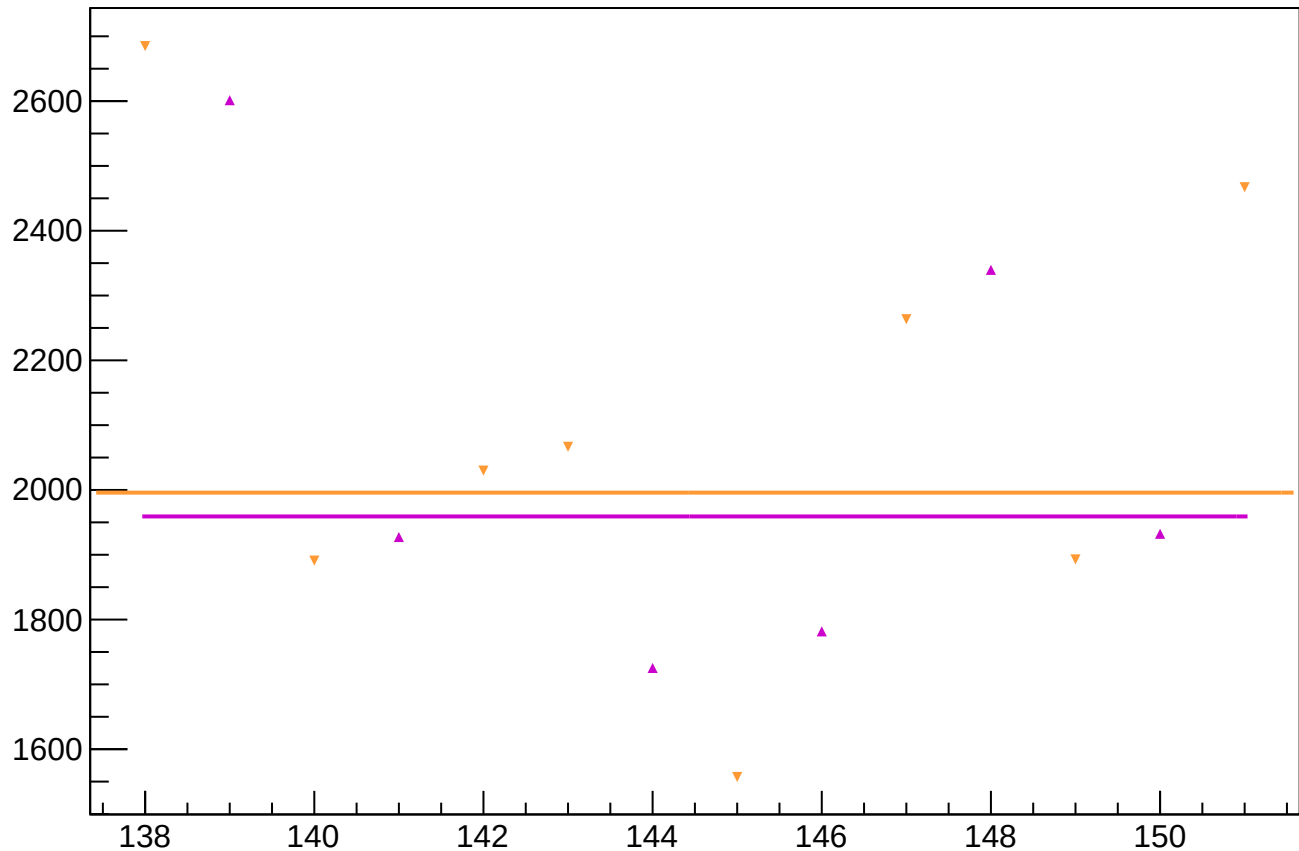
Left In: 1657.893+/-896.555 χ^2/NDF :2.7/5

-3013.128+/-845.052 χ^2/NDF : 13.7/7

-815.630+/-614.944 χ^2/NDF : 30.8/13

1657.893+/-896.555 χ^2/NDF : 2.7/5

asym_sam4_correction_rms vs Slug, Sign Corrected



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

Left Out: 1995.877+/-0.598 χ^2/NDF : 306612.8/7

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

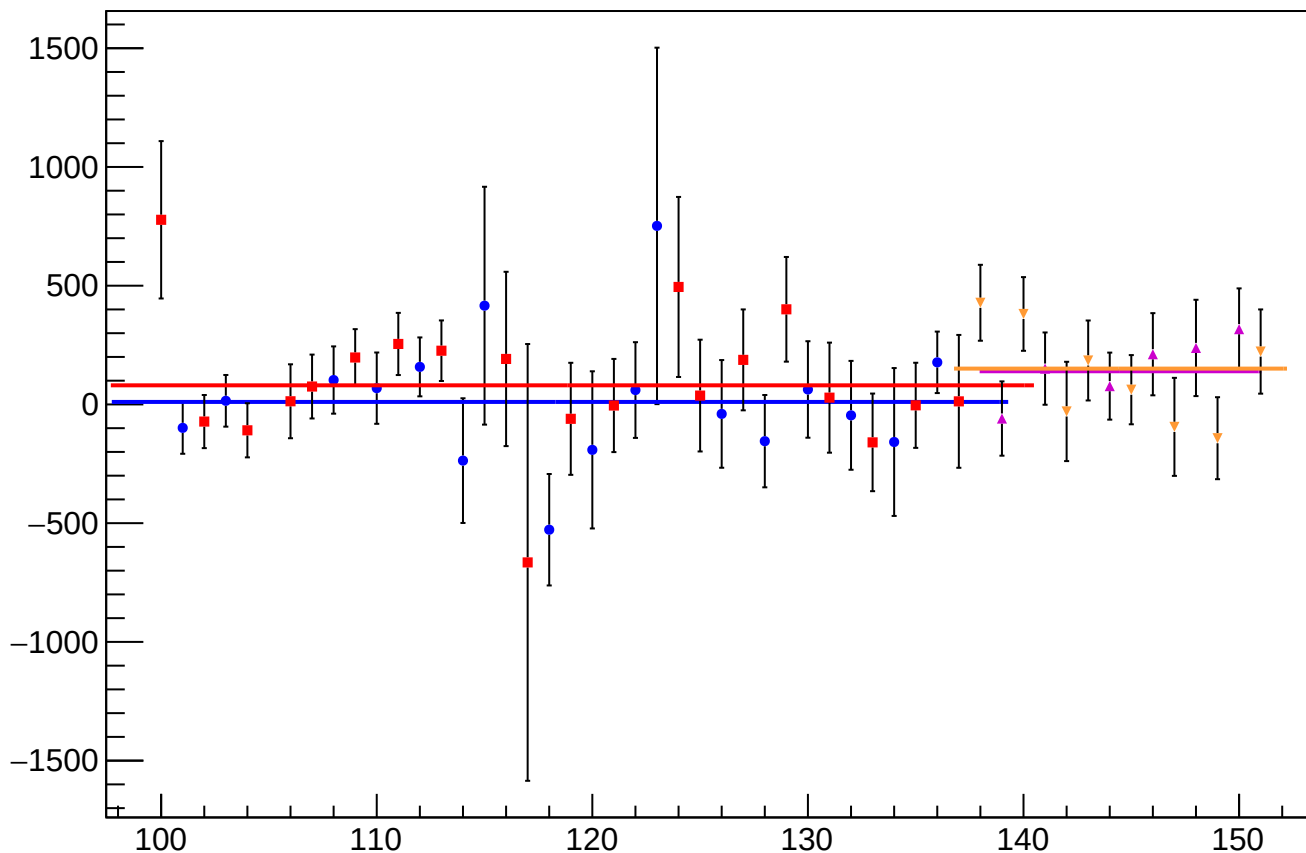
Left In: 1959.151+/-0.634 χ^2/NDF : 177385.2/5

1995.877+/-0.598 χ^2/NDF : 306612.8/7

1978.599+/-0.435 χ^2/NDF : 485775.2/13

1959.151+/-0.634 χ^2/NDF : 177385.2/5

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 10.530 $\pm$ 42.294 χ^2/NDF : 14.1/16

Left Out: 150.852 $\pm$ 60.329 χ^2/NDF : 10.8/7

Right Out: 80.462 $\pm$ 38.950 χ^2/NDF : 19.9/19

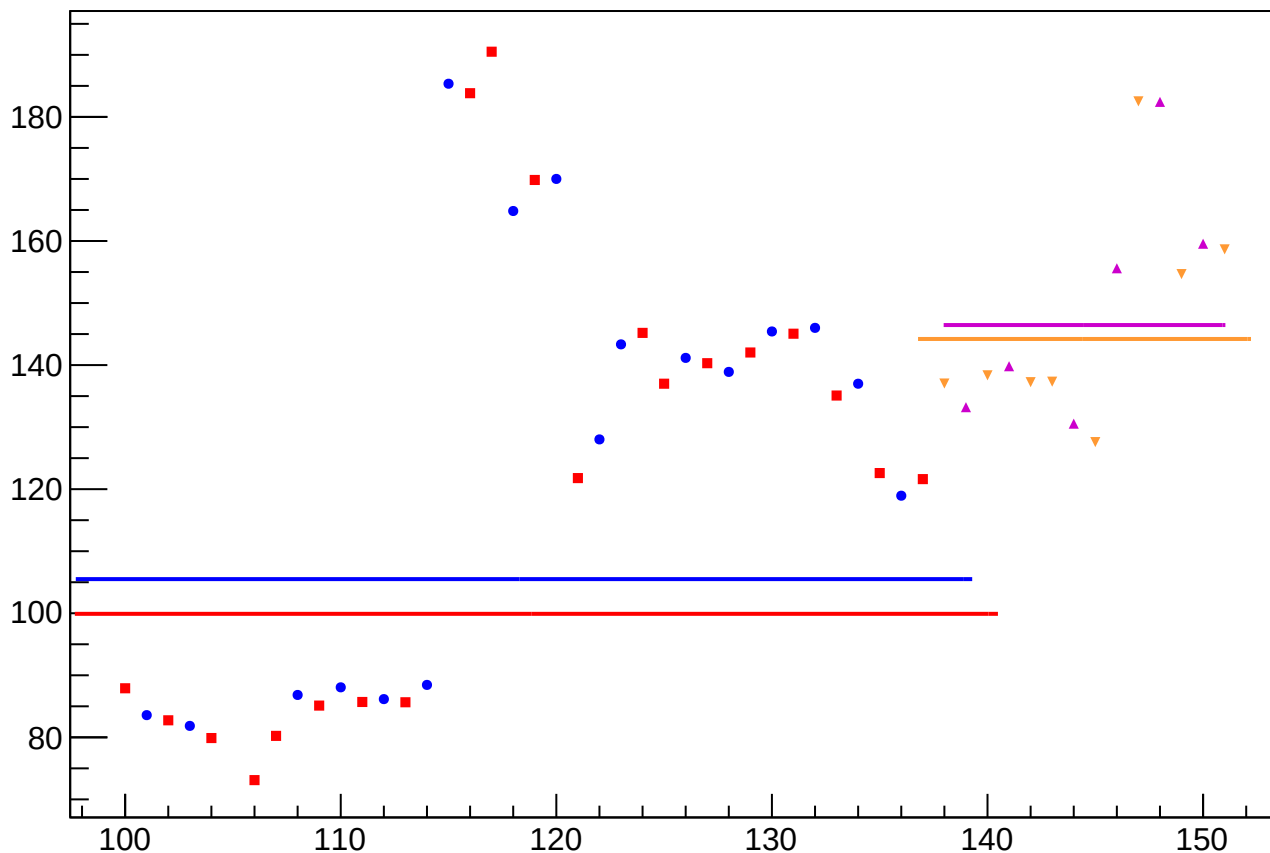
Left In: 139.721 $\pm$ 66.529 χ^2/NDF : 3.3/5

56.771 $\pm$ 34.632 χ^2/NDF : 28.5/24

76.759 $\pm$ 24.120 χ^2/NDF : 52.9/50

95.588 $\pm$ 33.613 χ^2/NDF : 23.7/25

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 105.503 $\pm$ 0.030 χ^2 /NDF: 869022.6/16

Left Out: 144.209 $\pm$ 0.043 χ^2 /NDF: 127950.7/7

Right Out: 99.907 $\pm$ 0.028 χ^2 /NDF: 1019545.3/19

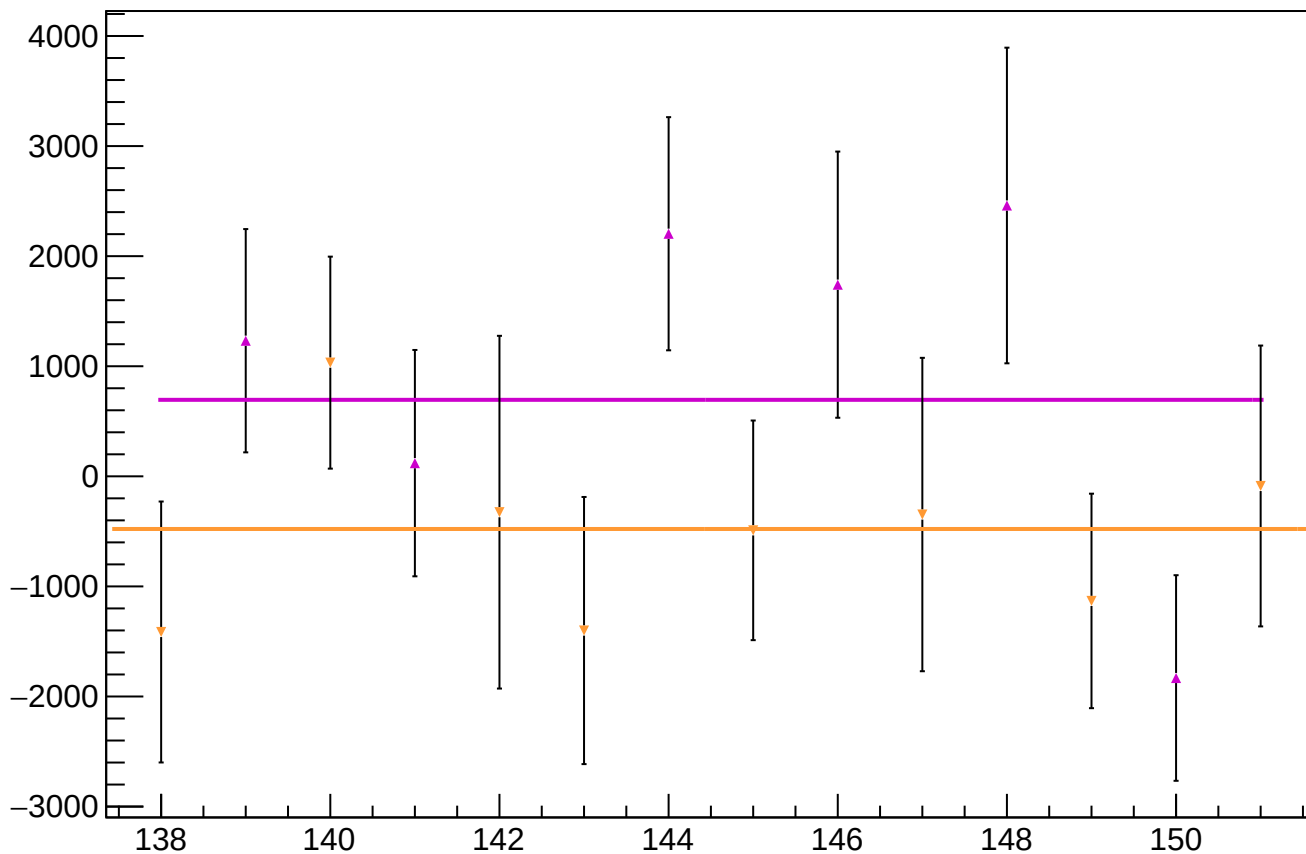
Left In: 146.454 $\pm$ 0.047 χ^2 /NDF: 123704.4/5

118.258 $\pm$ 0.024 χ^2 /NDF: 1548958.4/24

114.927 $\pm$ 0.017 χ^2 /NDF: 3457255.6/50

111.789 $\pm$ 0.024 χ^2 /NDF: 1872364.8/25

asym_sam5_correction_mean vs Slug, Sign Corrected



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

Left Out: -478.300+/-407.372 χ^2/NDF : 4.2/7

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

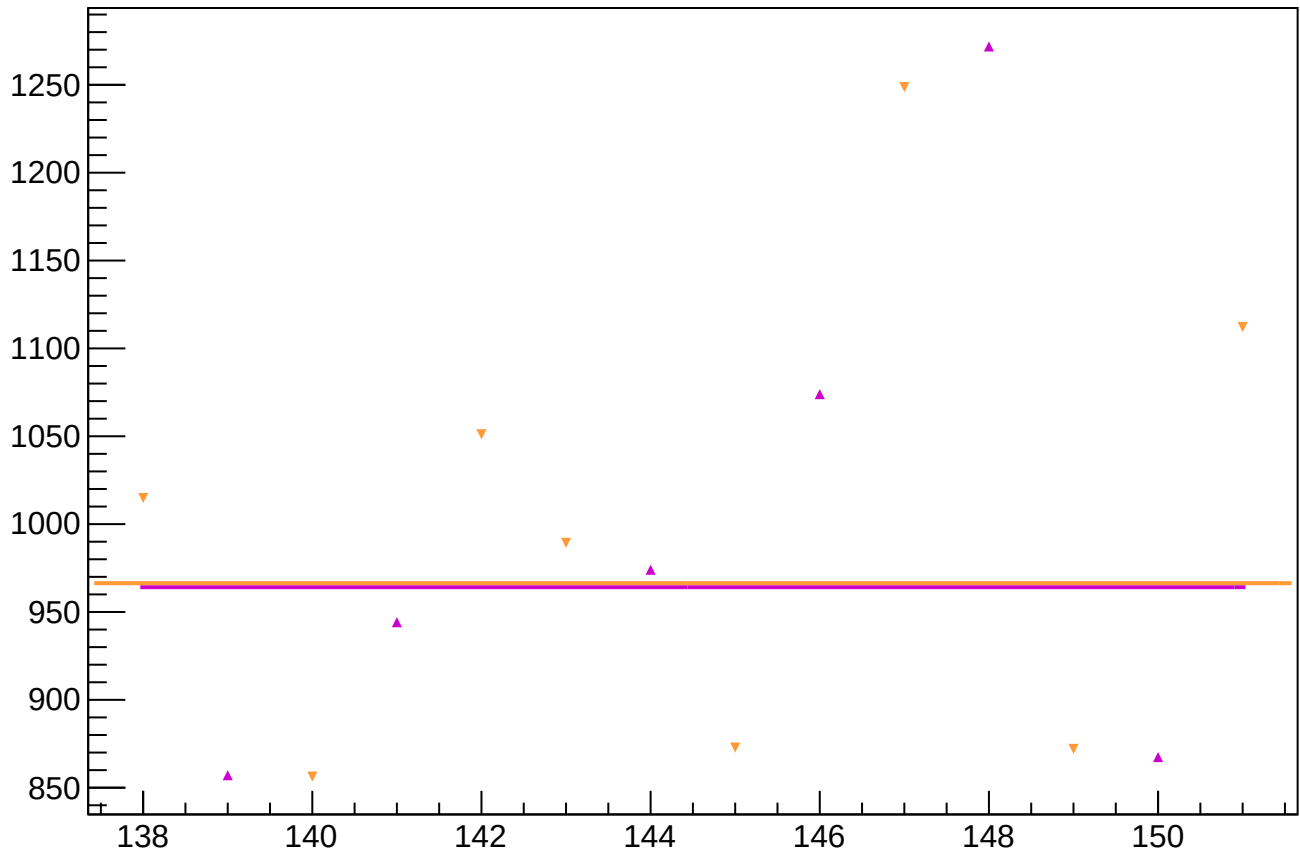
Left In: 694.926+/-441.624 χ^2/NDF : 12.2/5

-478.300+/-407.372 χ^2/NDF : 4.2/7

61.056+/-299.433 χ^2/NDF : 20.2/13

694.926+/-441.624 χ^2/NDF : 12.2/5

asym_sam5_correction_rms vs Slug, Sign Corrected



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

Left Out: 966.383+/-0.288 χ^2/NDF :176923.0/7

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

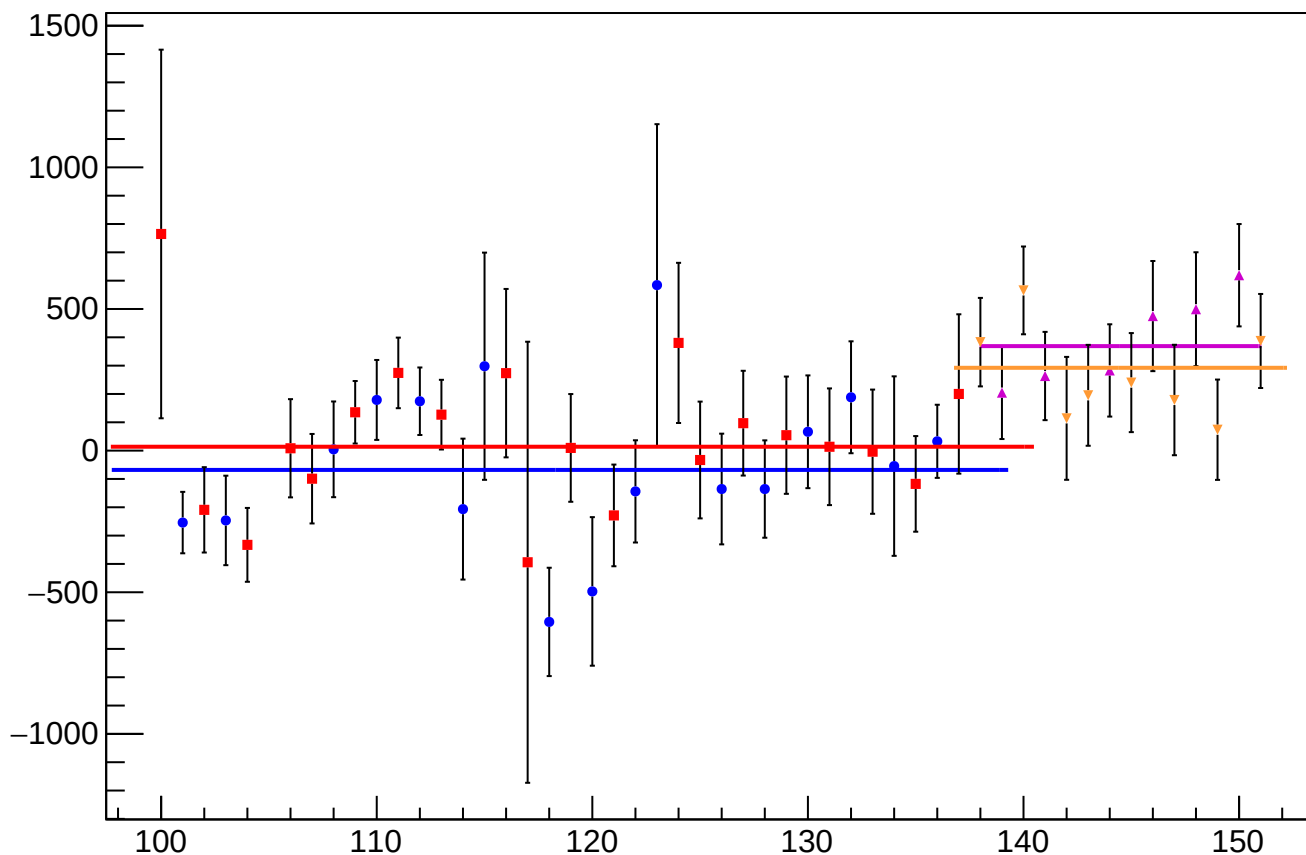
Left In: 964.114+/-0.312 χ^2/NDF :153285.7/5

966.383+/-0.288 χ^2/NDF : 176923.0/7

965.340+/-0.212 χ^2/NDF : 330237.1/13

964.114+/-0.312 χ^2/NDF : 153285.7/5

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -68.111 ± 42.265 χ^2/NDF : 27.8/16

Left Out: 292.390 ± 61.707 χ^2/NDF : 6.7/7

Right Out: 13.752 ± 39.416 χ^2/NDF : 23.4/19

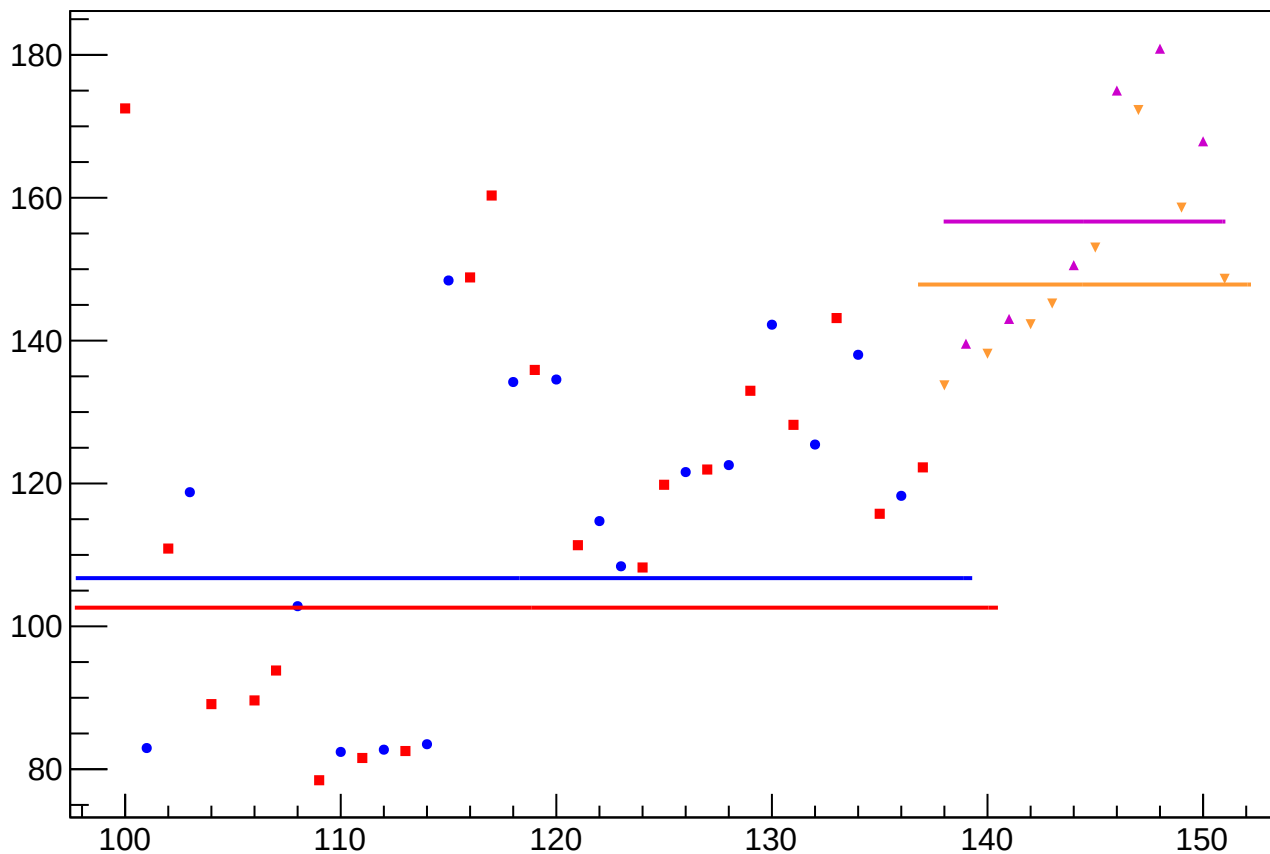
Left In: 368.930 ± 71.069 χ^2/NDF : 4.4/5

47.008 ± 34.870 χ^2/NDF : 57.8/24

72.446 ± 24.514 χ^2/NDF : 105.7/50

97.303 ± 34.470 χ^2/NDF : 46.9/25

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 106.749+/-0.030 χ^2/NDF : 501742.8/16

Left Out: 147.855+/-0.044 χ^2/NDF : 66514.6/7

Right Out: 102.615+/-0.028 χ^2/NDF : 600357.6/19

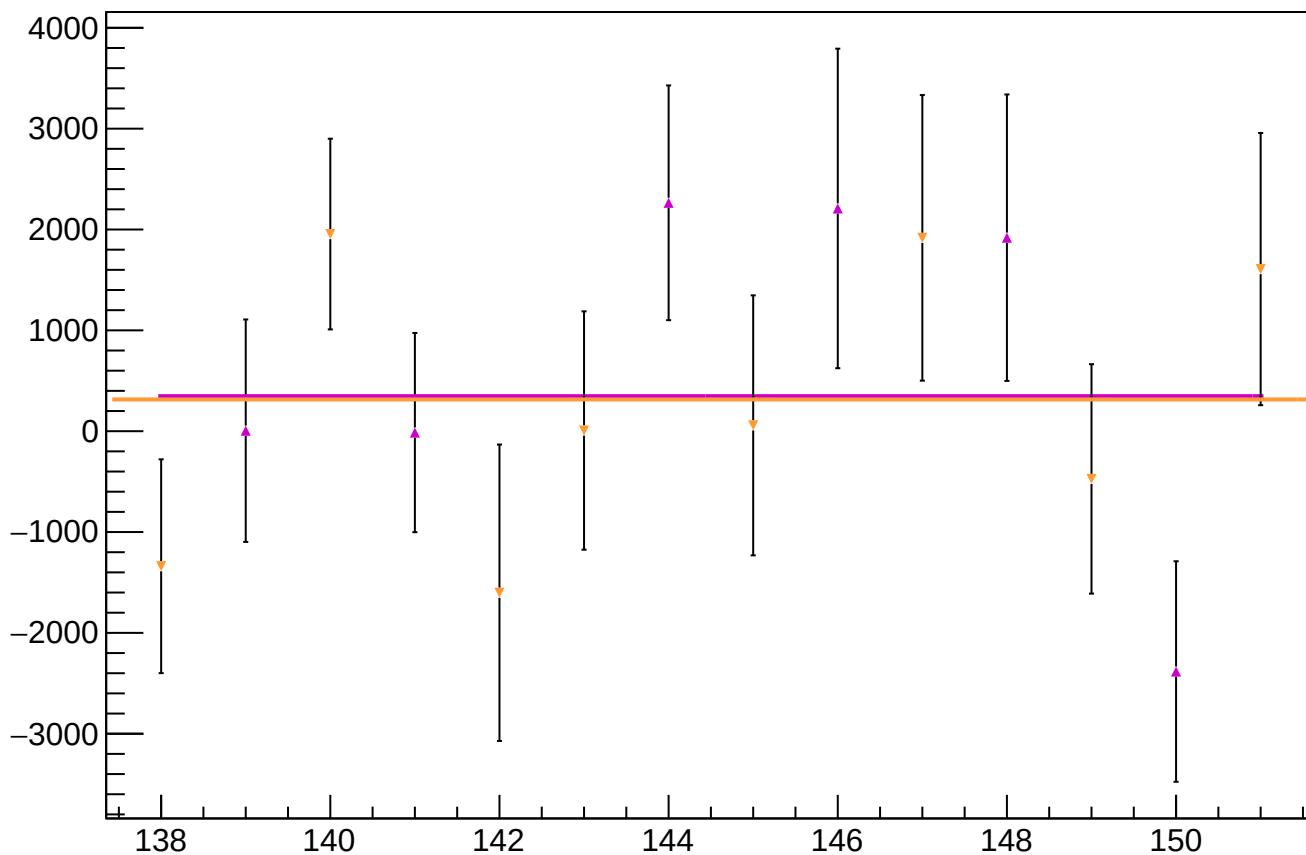
Left In: 156.670+/-0.050 χ^2/NDF : 94433.9/5

119.876+/-0.025 χ^2/NDF : 1172350.0/24

117.577+/-0.017 χ^2/NDF : 2769146.3/50

115.331+/-0.024 χ^2/NDF : 1579612.9/25

asym_sam6_correction_mean vs Slug, Sign Corrected



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

Left Out: 314.906+/-422.222 χ^2/NDF : 9.9/7

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

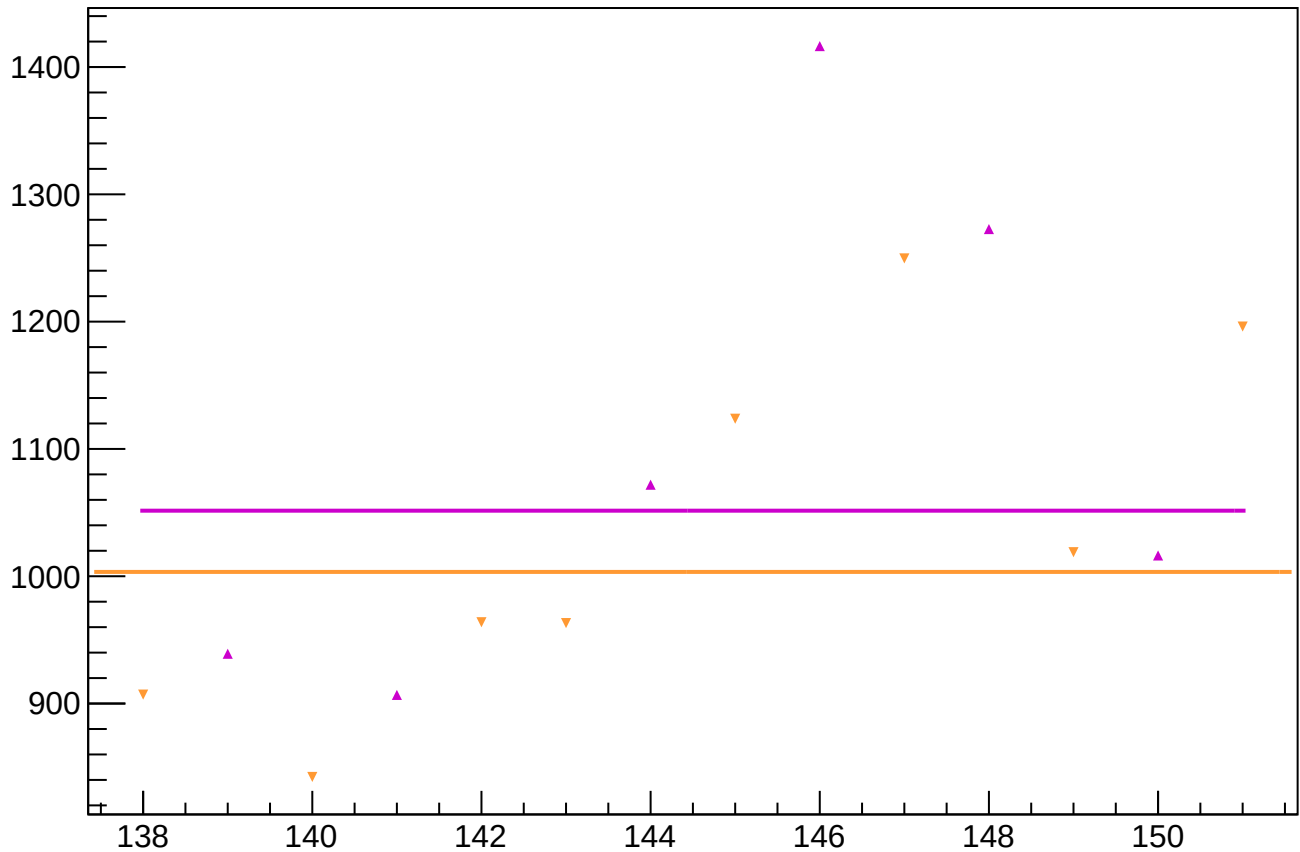
Left In: 347.521+/-481.387 χ^2/NDF : 11.8/5

314.906+/-422.222 χ^2/NDF : 9.9/7

329.087+/-317.424 χ^2/NDF : 21.7/13

347.521+/-481.387 χ^2/NDF : 11.8/5

asym_sam6_correction_rms vs Slug, Sign Corrected



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

Left Out: 1003.395+/-0.299 χ^2/NDF : 197399.9/7

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

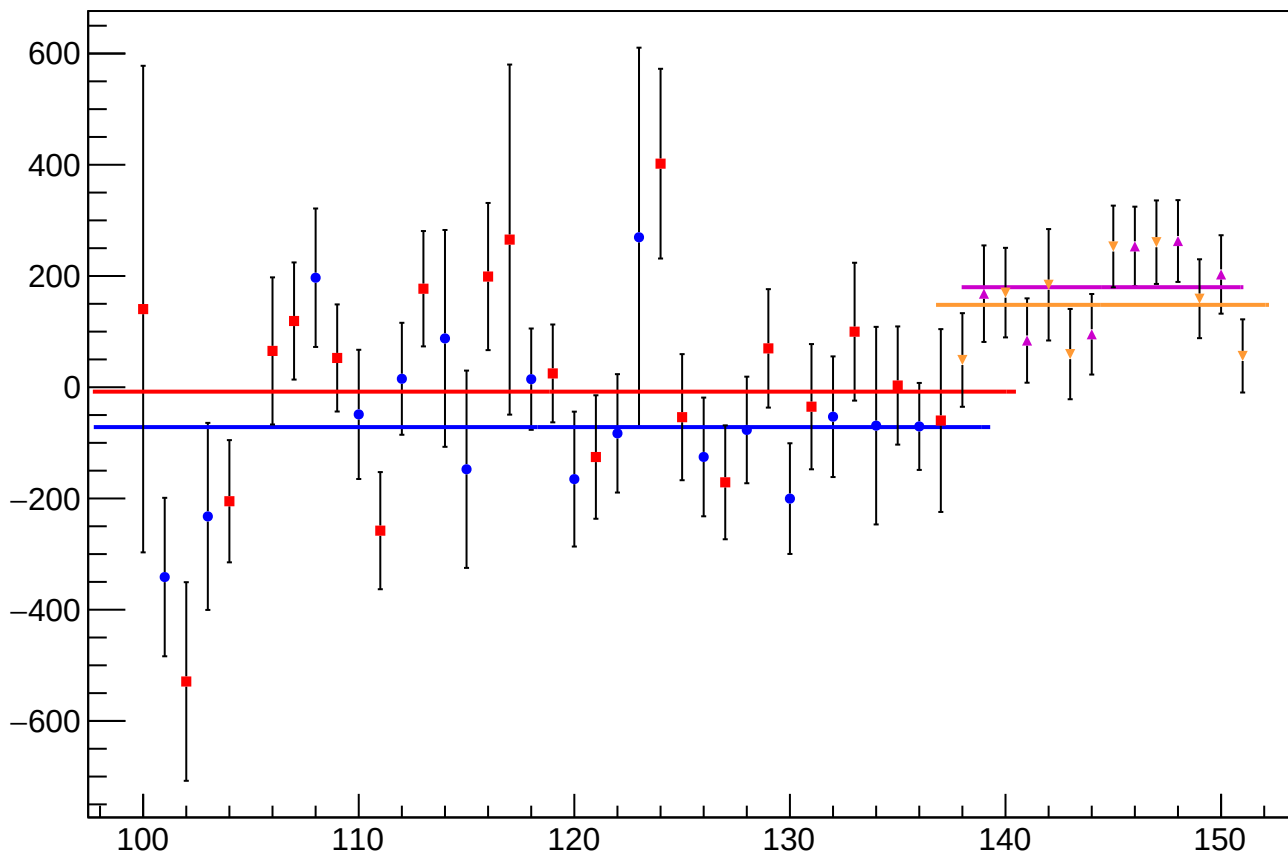
Left In: 1051.498+/-0.340 χ^2/NDF : 220991.1/5

1003.395+/-0.299 χ^2/NDF : 197399.9/7

1024.310+/-0.224 χ^2/NDF : 429678.2/13

1051.498+/-0.340 χ^2/NDF : 220991.1/5

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -71.669 $\pm$ 28.358 χ^2/NDF : 15.2/16

Left Out: 148.107 $\pm$ 27.324 χ^2/NDF : 9.0/7

Right Out: -7.933 $\pm$ 26.719 χ^2/NDF : 37.2/19

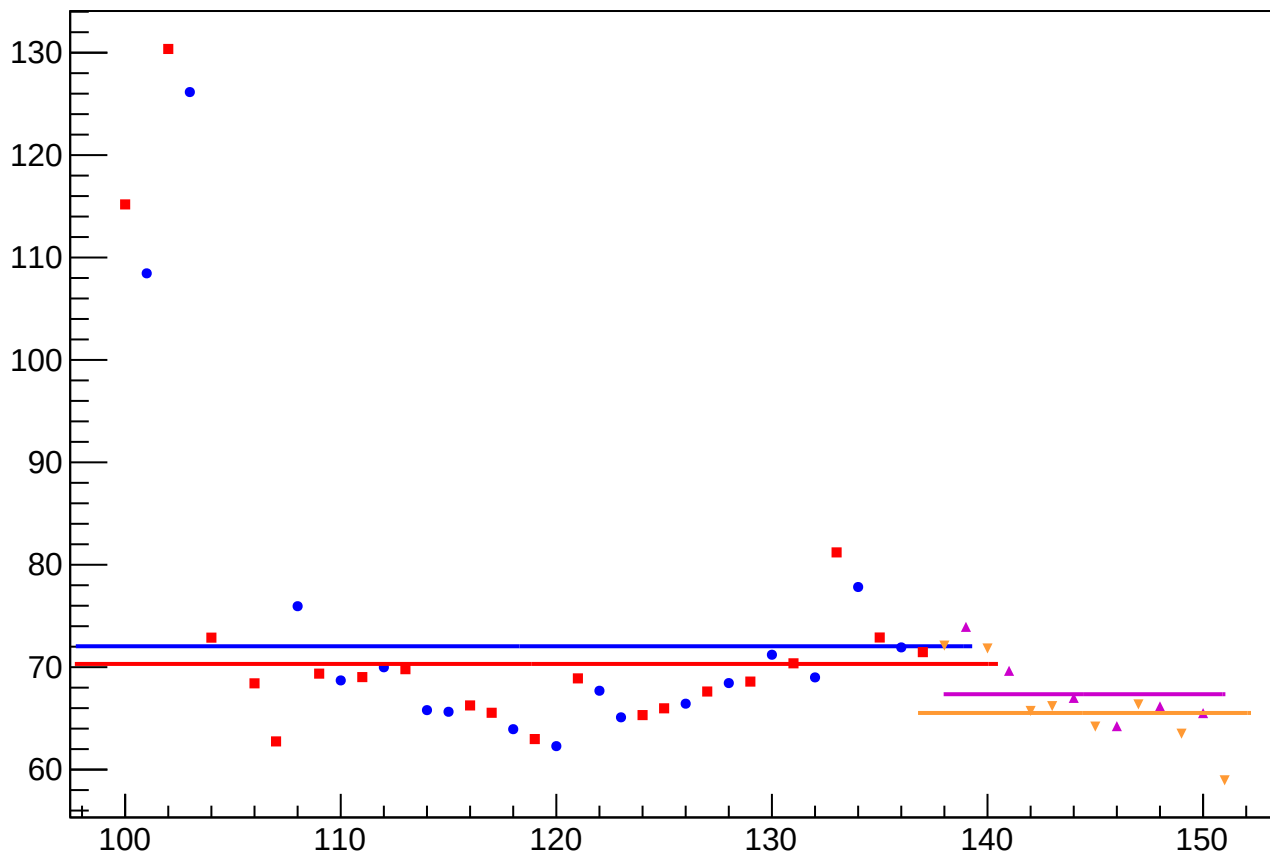
Left In: 179.874 $\pm$ 30.434 χ^2/NDF : 5.4/5

42.298 $\pm$ 19.677 χ^2/NDF : 55.4/24

57.738 $\pm$ 14.054 χ^2/NDF : 120.8/50

73.817 $\pm$ 20.079 χ^2/NDF : 64.1/25

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 72.042+/-0.020 χ^2/NDF : 391971.7/16

Left Out: 65.529+/-0.019 χ^2/NDF : 47103.6/7

Right Out: 70.316+/-0.019 χ^2/NDF : 299468.0/19

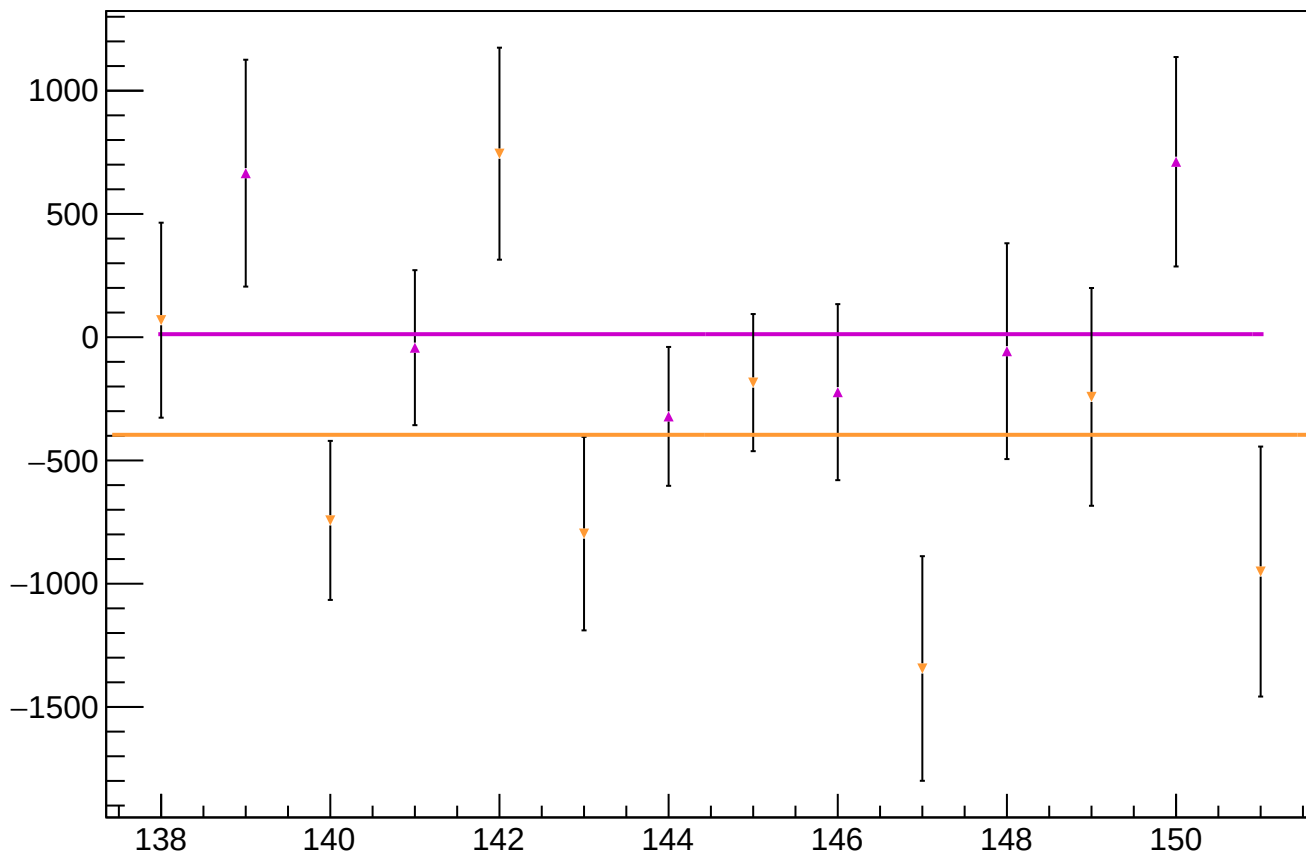
Left In: 67.360+/-0.022 χ^2/NDF : 19061.5/5

68.665+/-0.014 χ^2/NDF : 493782.6/24

68.844+/-0.010 χ^2/NDF : 823306.2/50

69.029+/-0.014 χ^2/NDF : 329187.5/25

asym_sam7_correction_mean vs Slug, Sign Corrected



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

Left Out: -395.922+/-135.267 χ^2/NDF :16.8/7

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

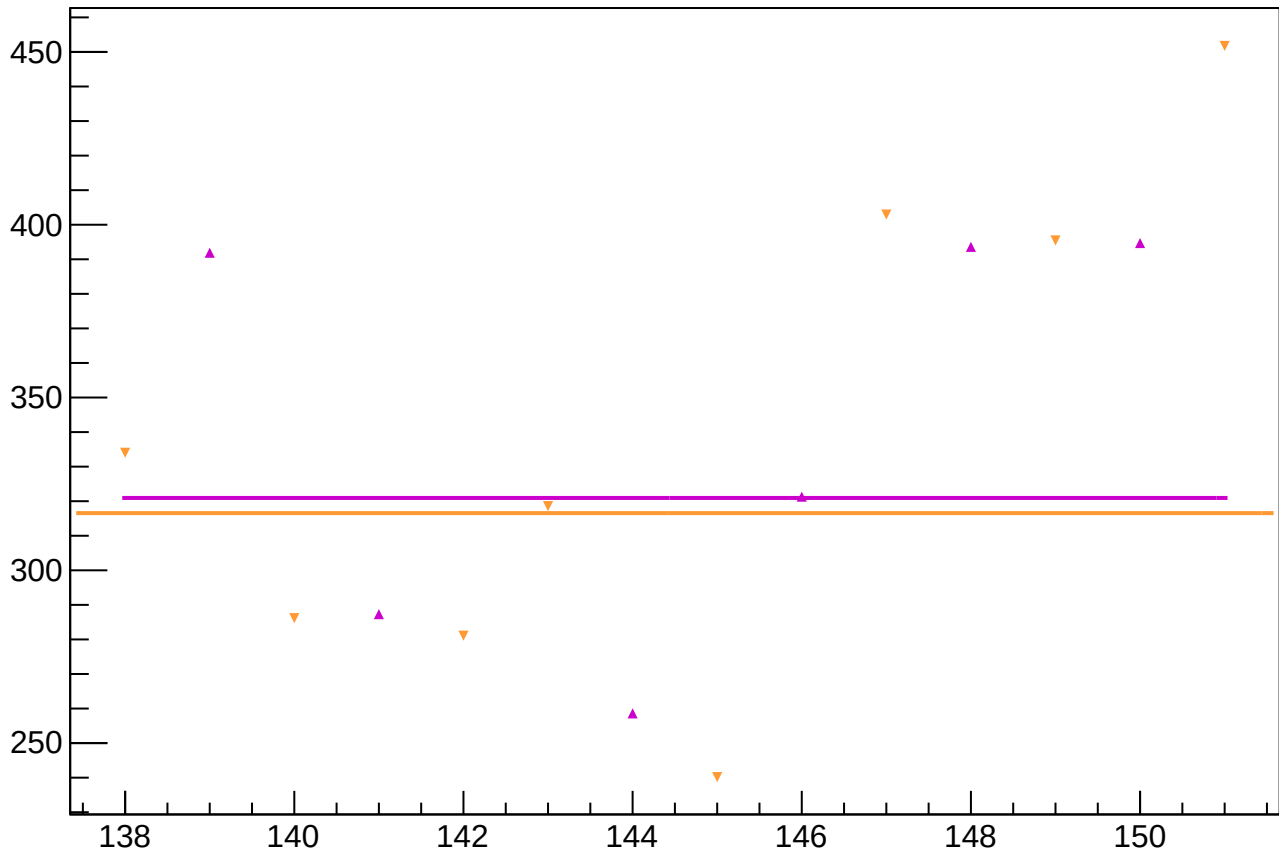
Left In: 12.286+/-147.373 χ^2/NDF :6.6/5

-395.922+/-135.267 χ^2/NDF : 16.8/7

-209.271+/-99.654 χ^2/NDF : 27.6/13

12.286+/-147.373 χ^2/NDF : 6.6/5

asym_sam7_correction_rms vs Slug, Sign Corrected



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

Left Out: 316.553+/-0.096 χ^2/NDF : 464054.9/7

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

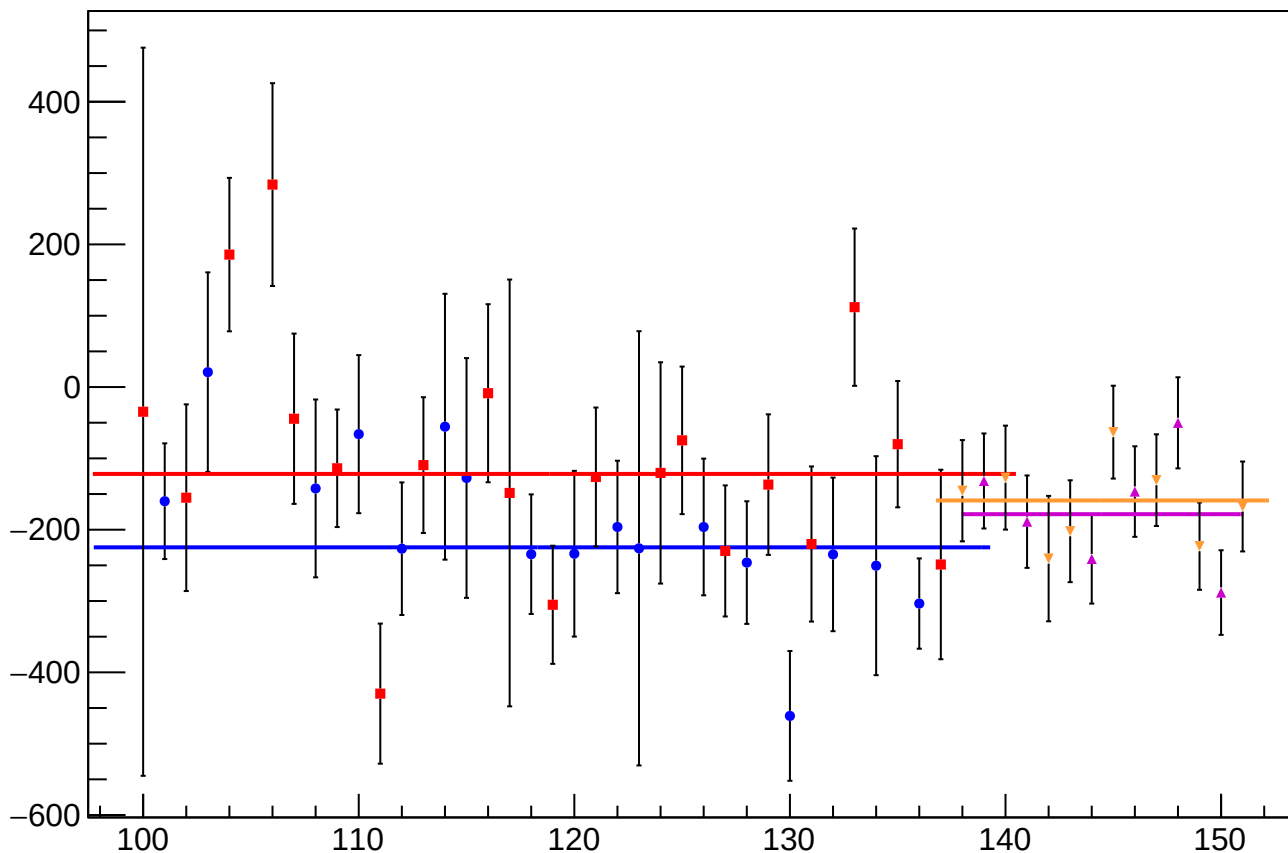
Left In: 320.942+/-0.104 χ^2/NDF : 283757.8/5

316.553+/-0.096 χ^2/NDF : 464054.9/7

318.560+/-0.070 χ^2/NDF : 748775.1/13

320.942+/-0.104 χ^2/NDF : 283757.8/5

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -224.727 $\pm$ 24.880 χ^2/NDF : 16.0/16

Left Out: -159.011 $\pm$ 24.192 χ^2/NDF : 4.9/7

Right Out: -121.814 $\pm$ 24.516 χ^2/NDF : 40.5/19

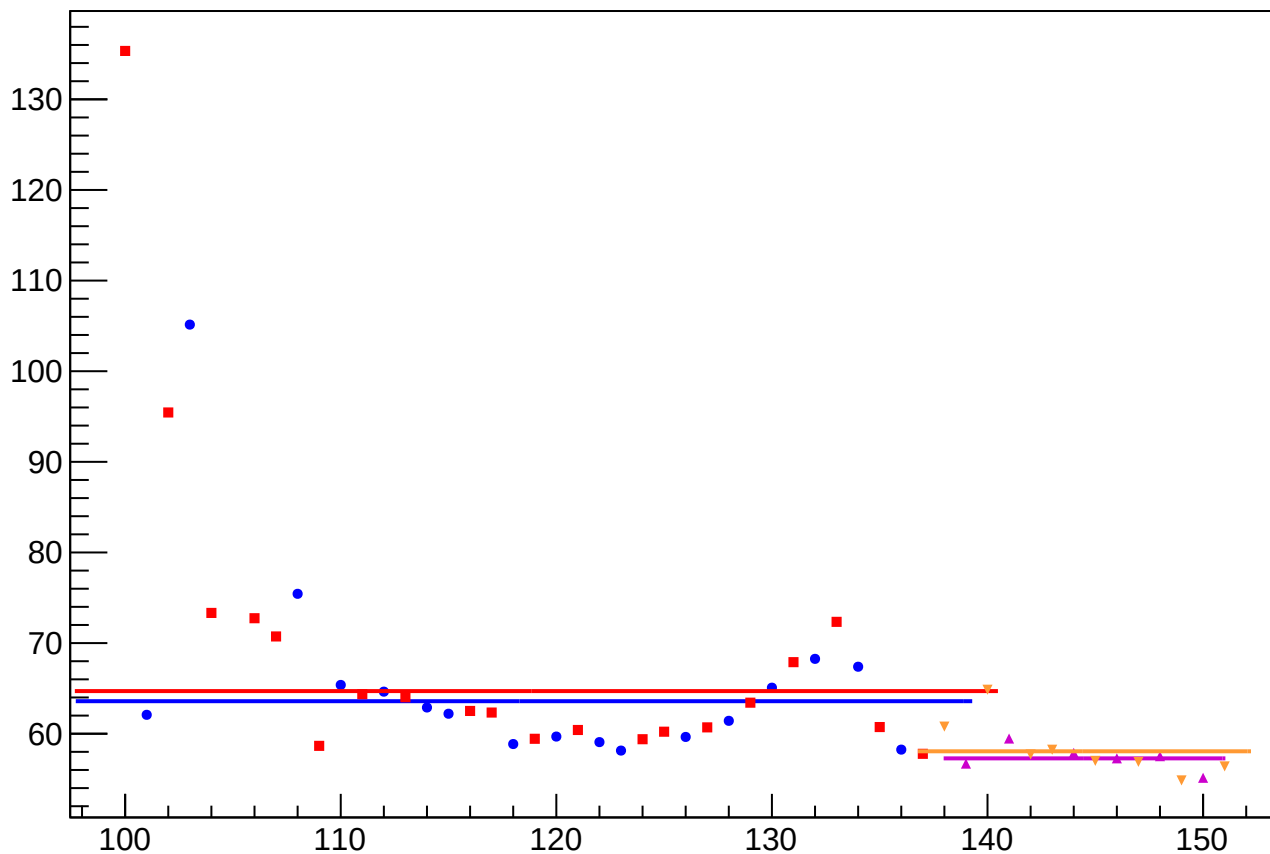
Left In: -178.250 $\pm$ 25.847 χ^2/NDF : 9.2/5

-190.947 $\pm$ 17.345 χ^2/NDF : 24.5/24

-170.279 $\pm$ 12.418 χ^2/NDF : 79.6/50

-148.541 $\pm$ 17.788 χ^2/NDF : 52.2/25

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 63.589 +/- 0.018 χ^2/NDF : 234601.0/16

Left Out: 58.061 +/- 0.017 χ^2/NDF : 28453.5/7

Right Out: 64.704 +/- 0.017 χ^2/NDF : 227632.6/19

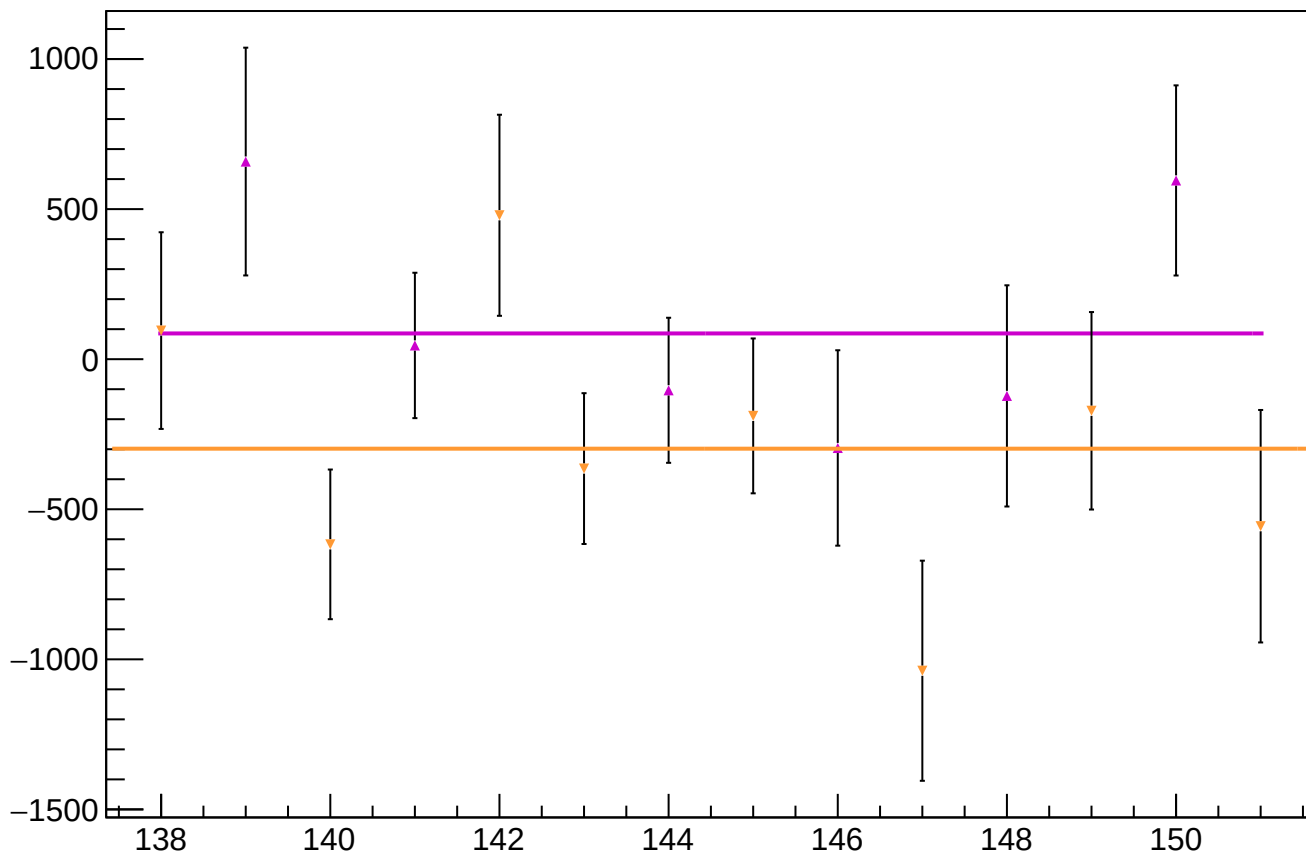
Left In: 57.279 +/- 0.018 χ^2/NDF : 5261.0/5

60.747 +/- 0.012 χ^2/NDF : 313815.6/24

60.962 +/- 0.009 χ^2/NDF : 634212.0/50

61.188 +/- 0.013 χ^2/NDF : 319767.7/25

asym_sam8_correction_mean vs Slug, Sign Corrected



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

Left Out: -298.170+/-106.283 χ^2/NDF : 13.4/7

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

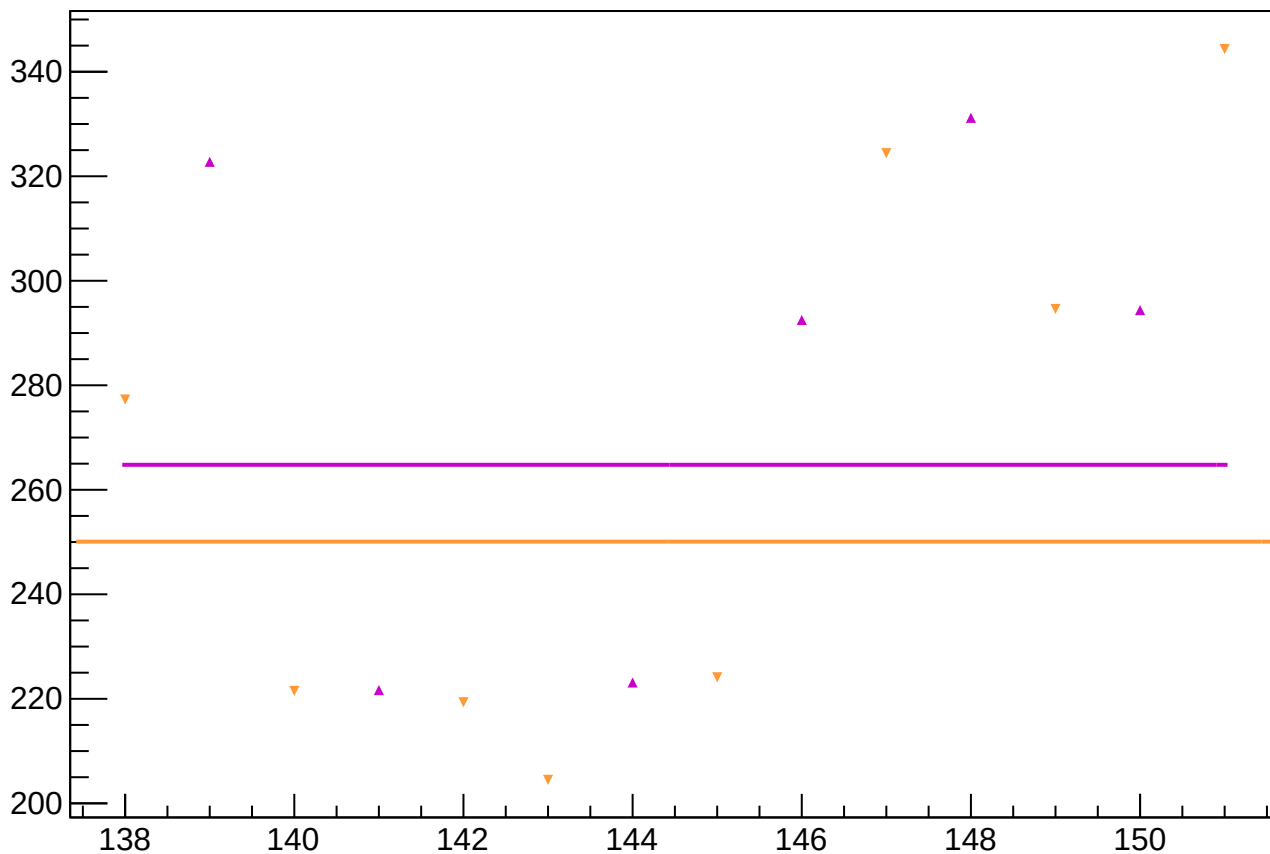
Left In: 85.802+/-121.371 χ^2/NDF : 7.2/5

-298.170+/-106.283 χ^2/NDF : 13.4/7

-131.520+/-79.959 χ^2/NDF : 26.2/13

85.802+/-121.371 χ^2/NDF : 7.2/5

asym_sam8_correction_rms vs Slug, Sign Corrected



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

Left Out: 250.083+/-0.075 χ^2/NDF : 380280.3/7

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

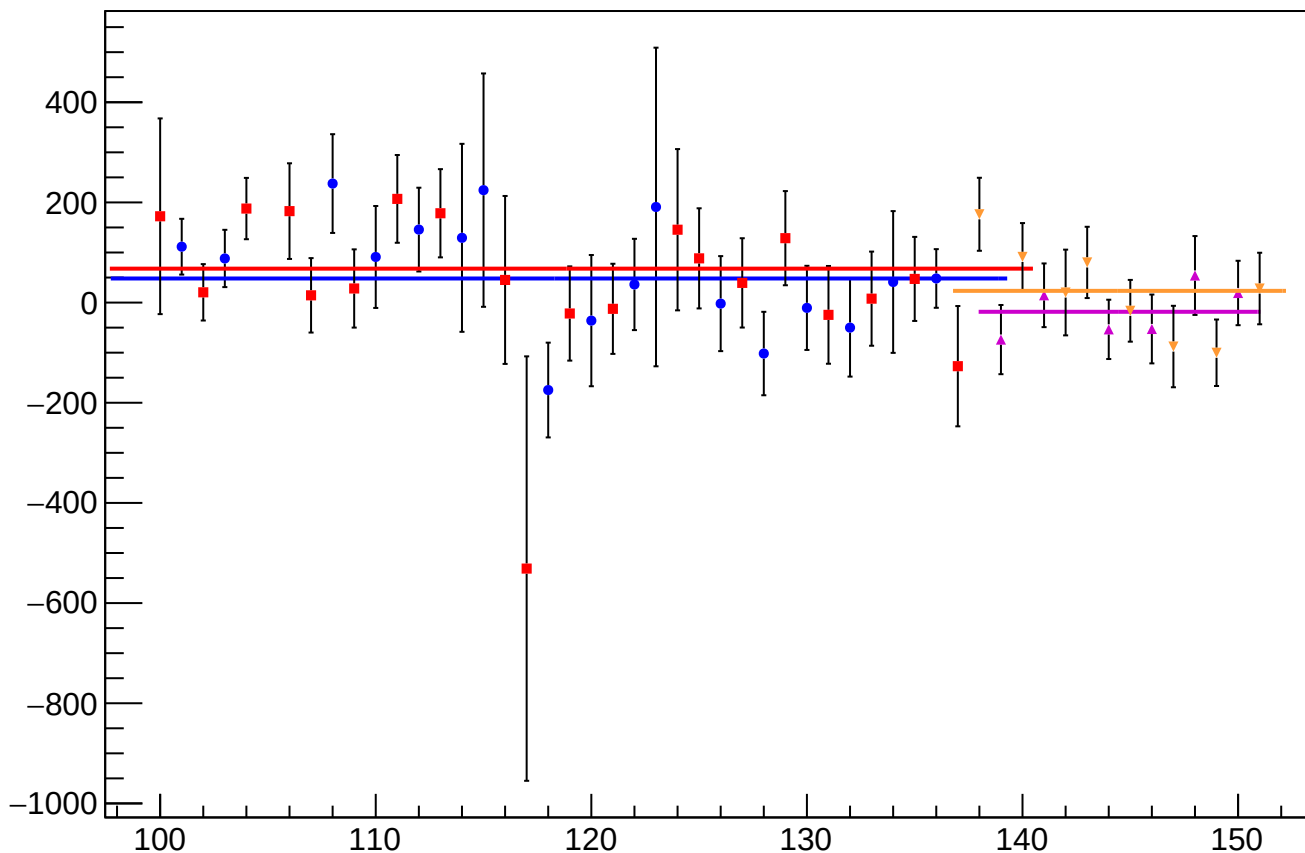
Left In: 264.785+/-0.086 χ^2/NDF : 266410.6/5

250.083+/-0.075 χ^2/NDF : 380280.3/7

256.464+/-0.057 χ^2/NDF : 663299.3/13

264.785+/-0.086 χ^2/NDF : 266410.6/5

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: 23.418 $\pm$ 25.167 χ^2 /NDF:11.8/7

Right Out: 67.767 $\pm$ 20.383 χ^2 /NDF: 19.7/19

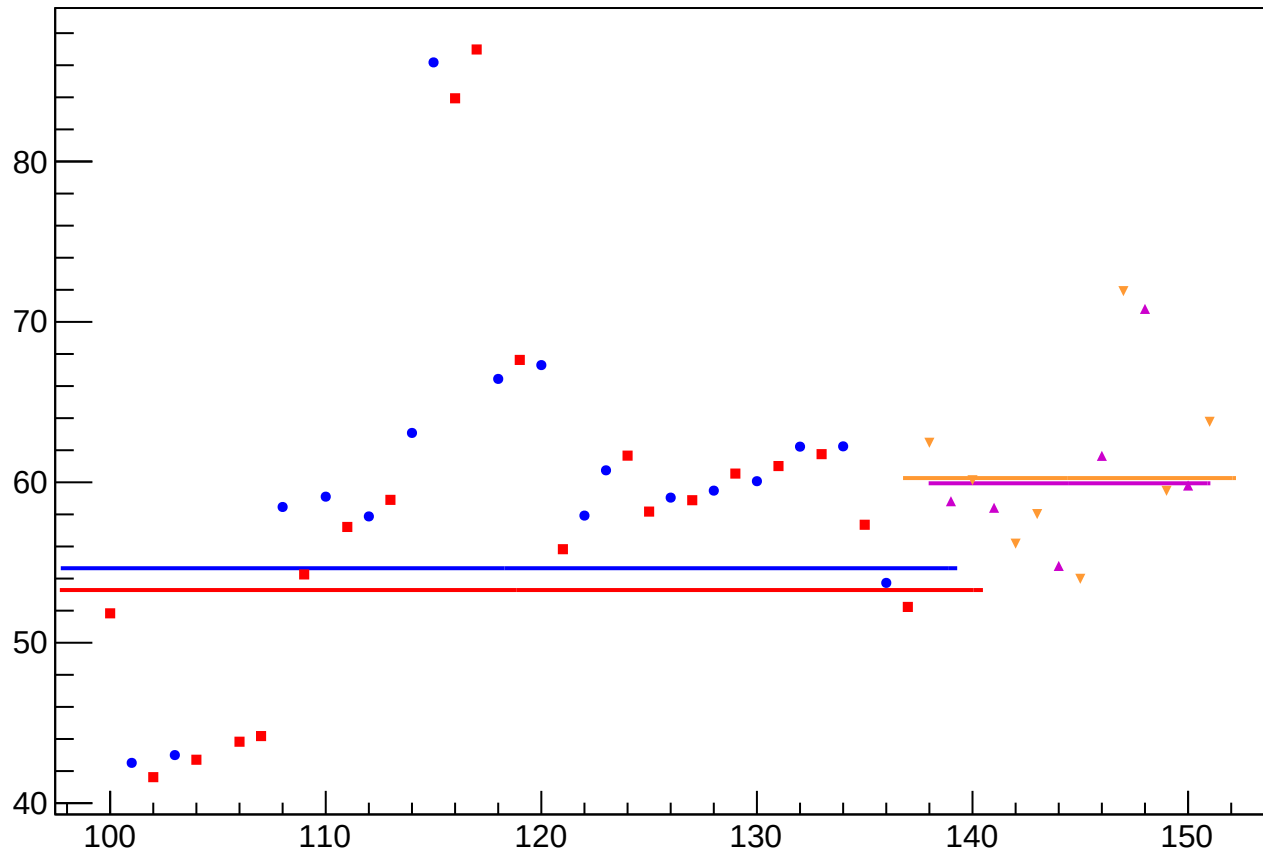
Left In: -18.381 $\pm$ 27.147 χ^2 /NDF:2.7/5

37.686 $\pm$ 16.351 χ^2 /NDF: 31.3/24

37.195 $\pm$ 11.544 χ^2 /NDF: 60.1/50

36.708 $\pm$ 16.300 χ^2 /NDF: 28.8/25

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 54.645 $\pm$ 0.015 χ^2 /NDF: 319300.2/16

Left Out: 60.265 $\pm$ 0.018 χ^2 /NDF: 75299.1/7

Right Out: 53.285 $\pm$ 0.014 χ^2 /NDF: 398973.0/19

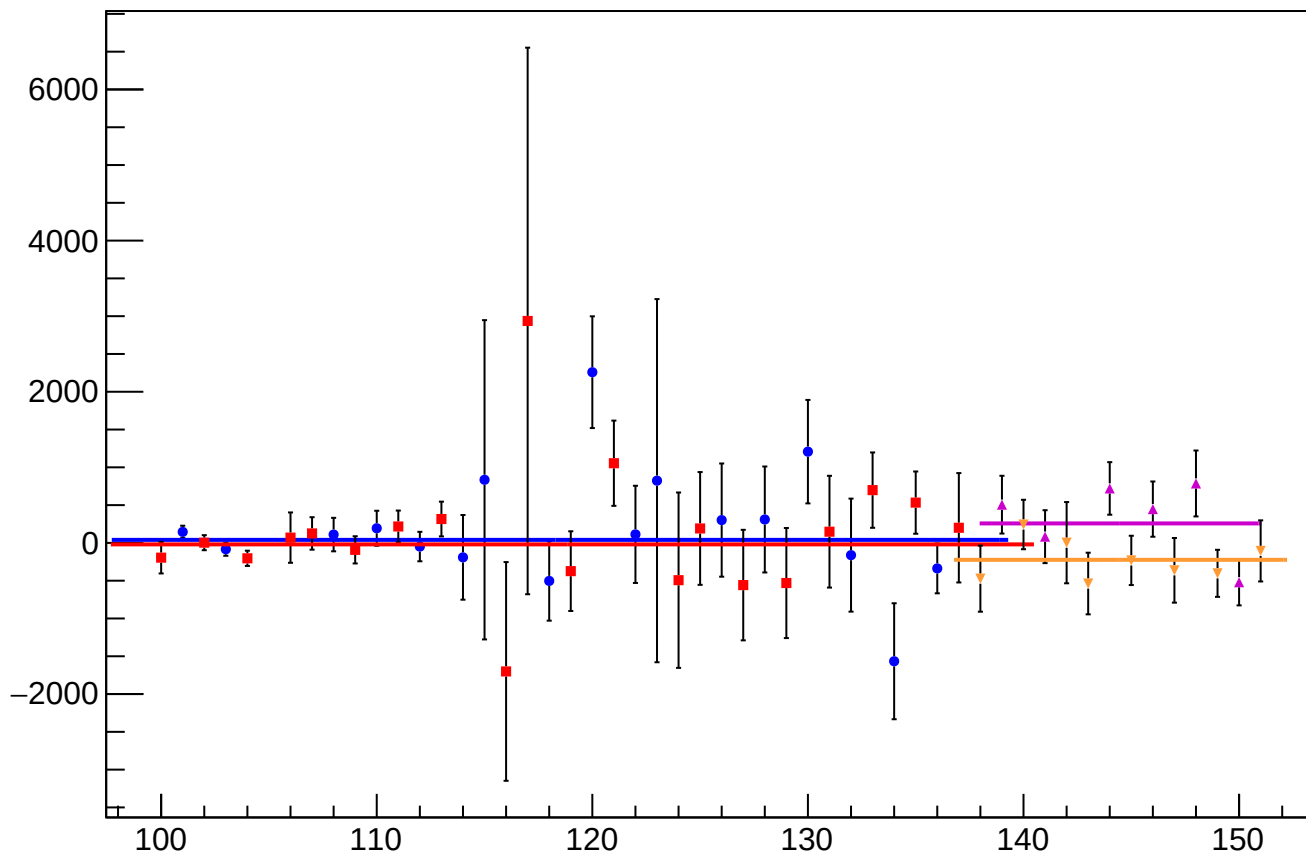
Left In: 59.939 $\pm$ 0.019 χ^2 /NDF: 56169.2/5

57.017 $\pm$ 0.012 χ^2 /NDF: 452226.0/24

56.348 $\pm$ 0.008 χ^2 /NDF: 990878.5/50

55.684 $\pm$ 0.012 χ^2 /NDF: 531984.4/25

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



Right In: 40.207+/-51.542 χ^2/NDF : 23.9/16

Left Out: -223.622+/-134.412 χ^2/NDF : 3.7/7

Right Out: -19.590+/-53.268 χ^2/NDF : 19.6/19

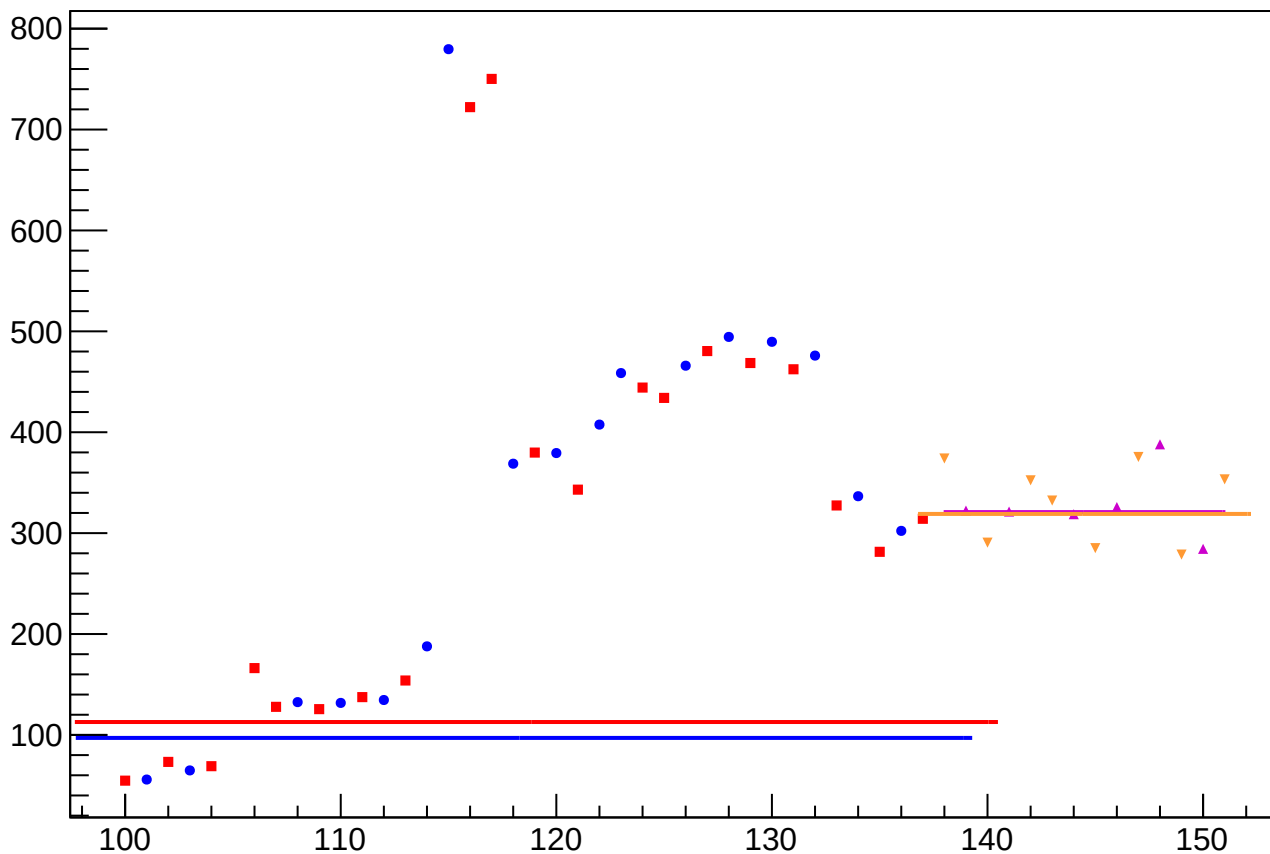
Left In: 257.740+/-146.358 χ^2/NDF : 10.6/5

6.385+/-48.125 χ^2/NDF : 30.9/24

9.490+/-34.692 χ^2/NDF : 64.3/50

12.850+/-50.056 χ^2/NDF : 33.4/25

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



Right In: 97.039+/-0.036 χ^2/NDF : 5819709.2/16

Left Out: 319.031+/-0.095 χ^2/NDF :160804.2/7

Right Out: 112.792+/-0.038 χ^2/NDF : 5098459.2/19

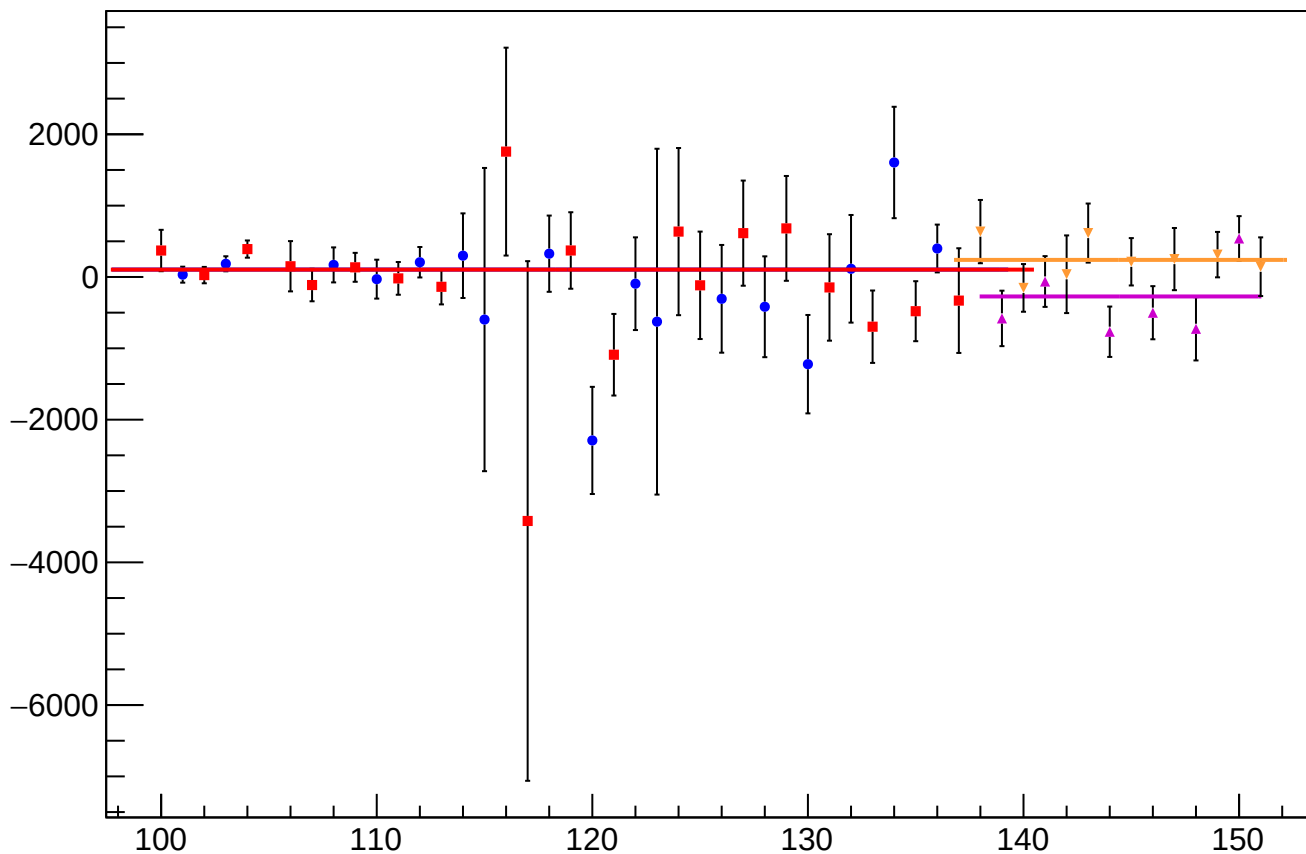
Left In: 320.850+/-0.103 χ^2/NDF :76221.2/5

125.497+/-0.034 χ^2/NDF : 10736607.8/24

131.084+/-0.025 χ^2/NDF : 19536362.9/50

137.129+/-0.035 χ^2/NDF : 8743636.8/25

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 104.001 $\pm$ 63.156 χ^2 /NDF: 21.3/16

Left Out: 239.438 $\pm$ 136.892 χ^2 /NDF: 3.3/7

Right Out: 103.156 $\pm$ 60.849 χ^2 /NDF: 22.3/19

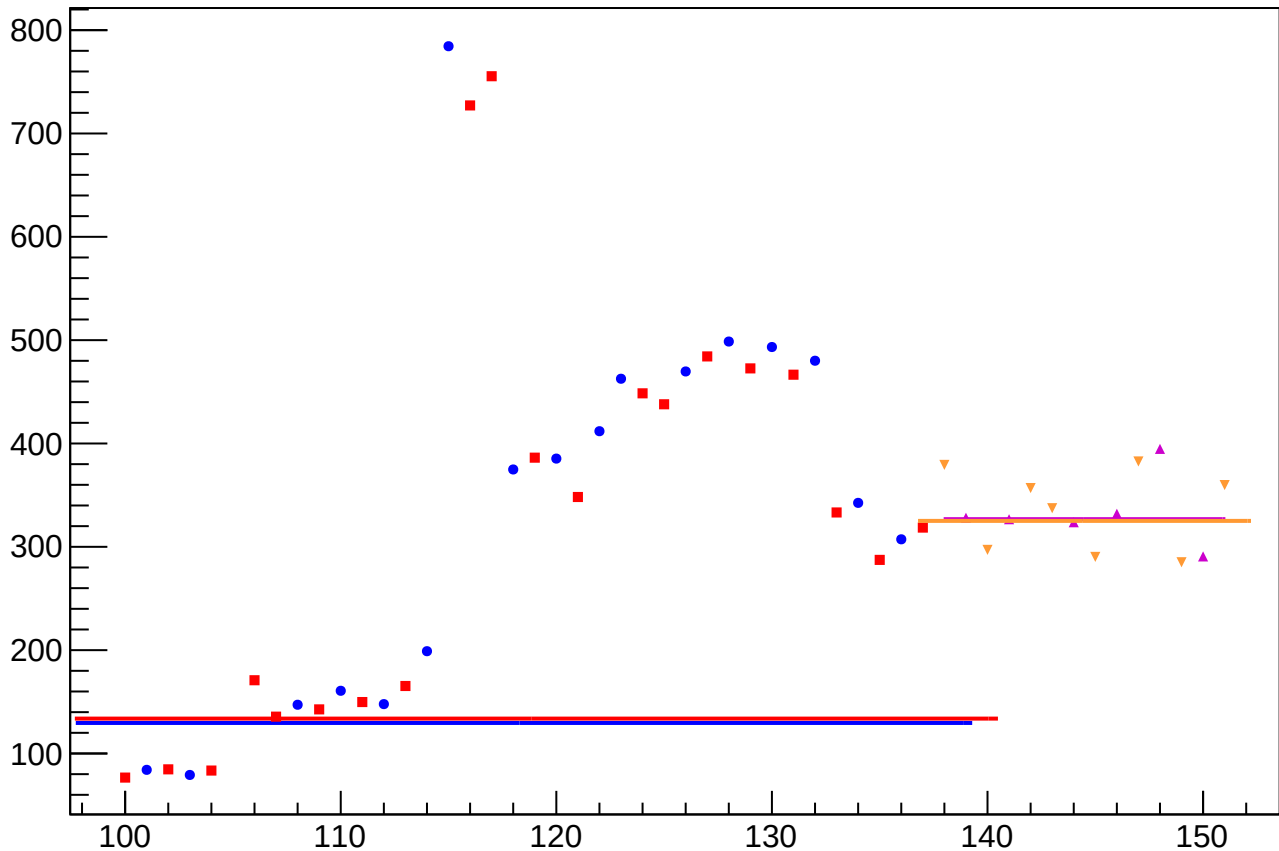
Left In: -273.048 $\pm$ 148.991 χ^2 /NDF: 11.1/5

127.770 $\pm$ 57.347 χ^2 /NDF: 25.4/24

87.873 $\pm$ 40.187 χ^2 /NDF: 65.1/50

49.378 $\pm$ 56.332 χ^2 /NDF: 38.8/25

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 129.552+/-0.045 χ^2/NDF : 4772450.4/16

Left Out: 325.097+/-0.097 χ^2/NDF :155222.3/7

Right Out: 133.766+/-0.043 χ^2/NDF : 4424544.5/19

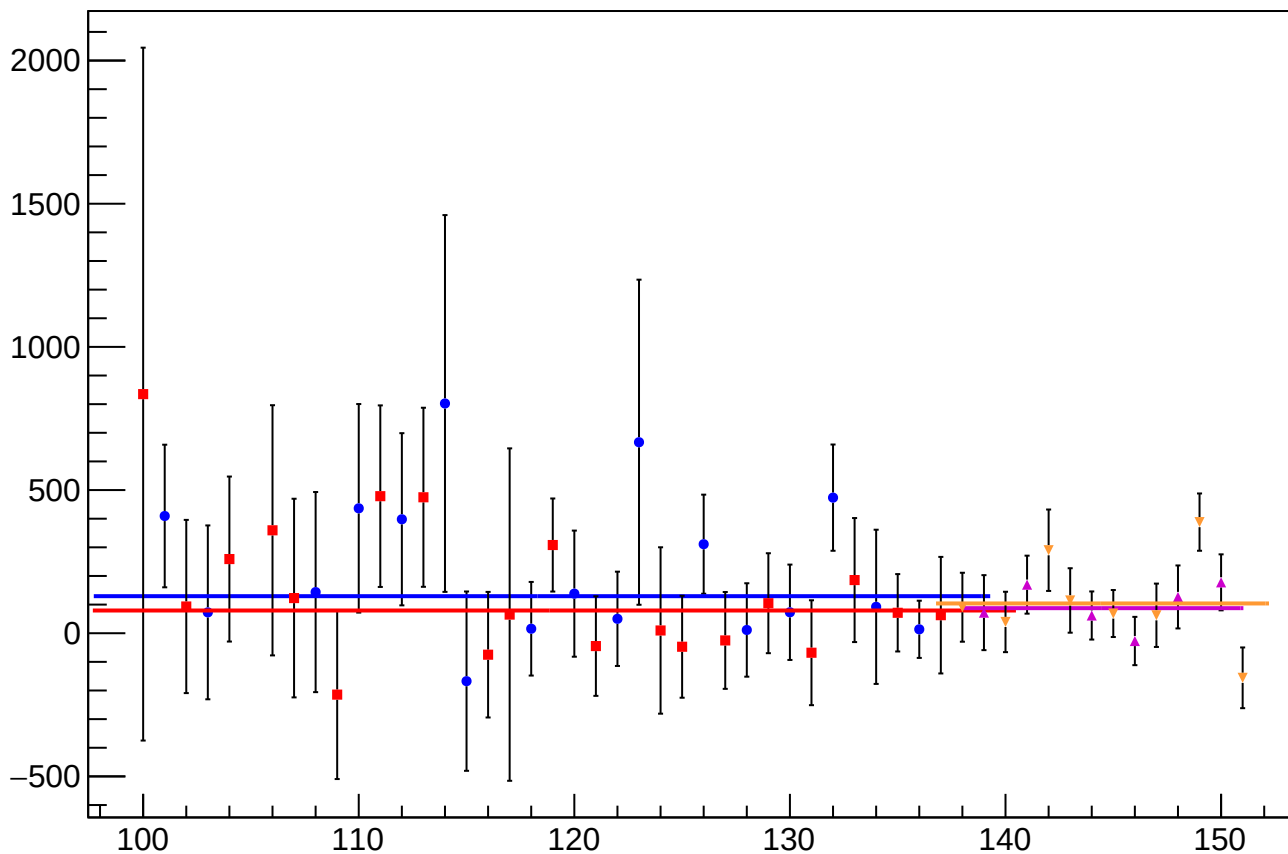
Left In: 326.774+/-0.105 χ^2/NDF :74154.1/5

163.869+/-0.041 χ^2/NDF : 8292489.7/24

162.591+/-0.028 χ^2/NDF : 15669626.5/50

161.357+/-0.040 χ^2/NDF : 7375182.5/25

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: 103.978 $\pm$ 37.628 χ^2 /NDF:16.5/7

Right Out: 79.378 $\pm$ 49.703 χ^2 /NDF: 10.2/19

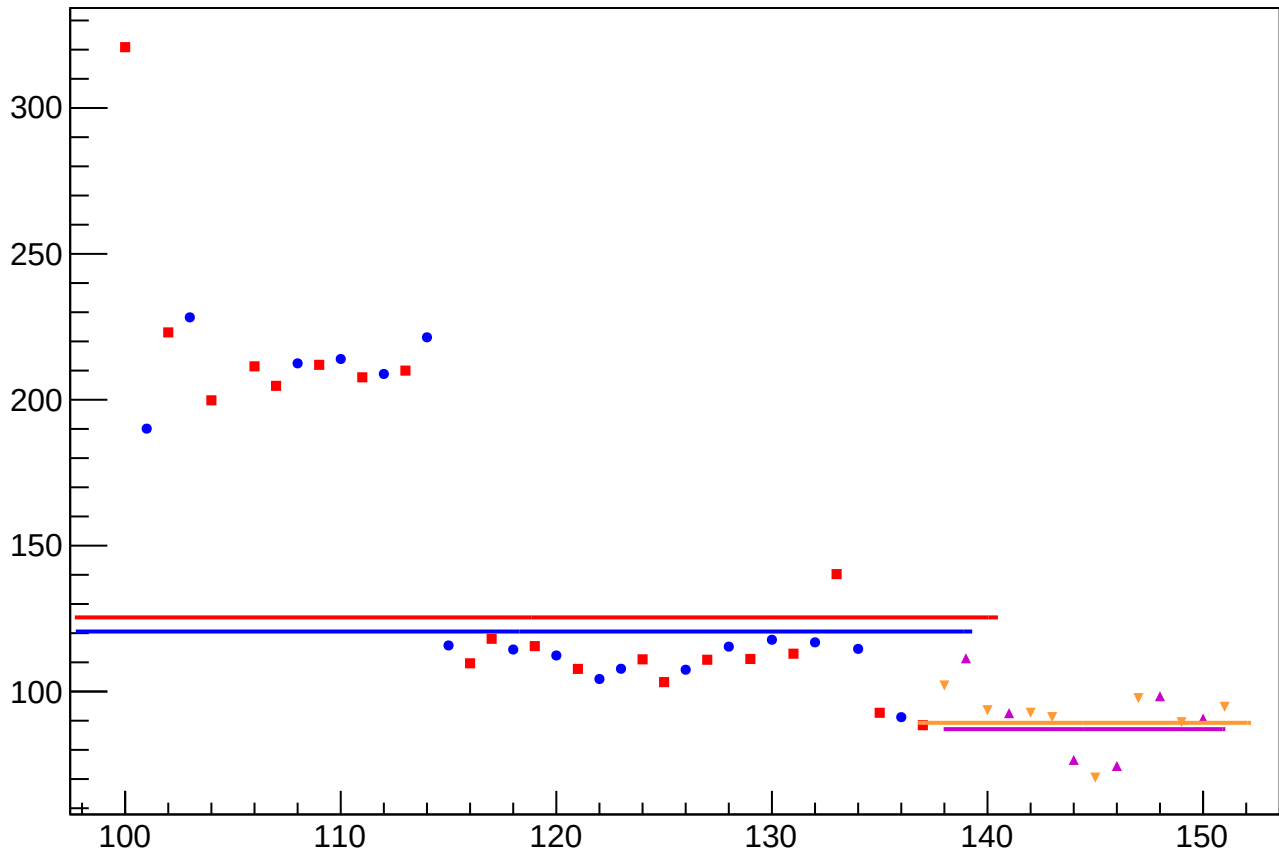
Left In: 87.533 $\pm$ 39.989 χ^2 /NDF:3.6/5

113.378 $\pm$ 29.871 χ^2 /NDF: 29.6/24

99.465 $\pm$ 21.562 χ^2 /NDF: 43.9/50

84.328 $\pm$ 31.157 χ^2 /NDF: 13.8/25

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 120.565 $\pm$ 0.035 χ^2 /NDF: 1112076.4/16

Left Out: 89.279 $\pm$ 0.027 χ^2 /NDF:149492.4/7

Right Out: 125.404 $\pm$ 0.035 χ^2 /NDF: 1334075.7/19

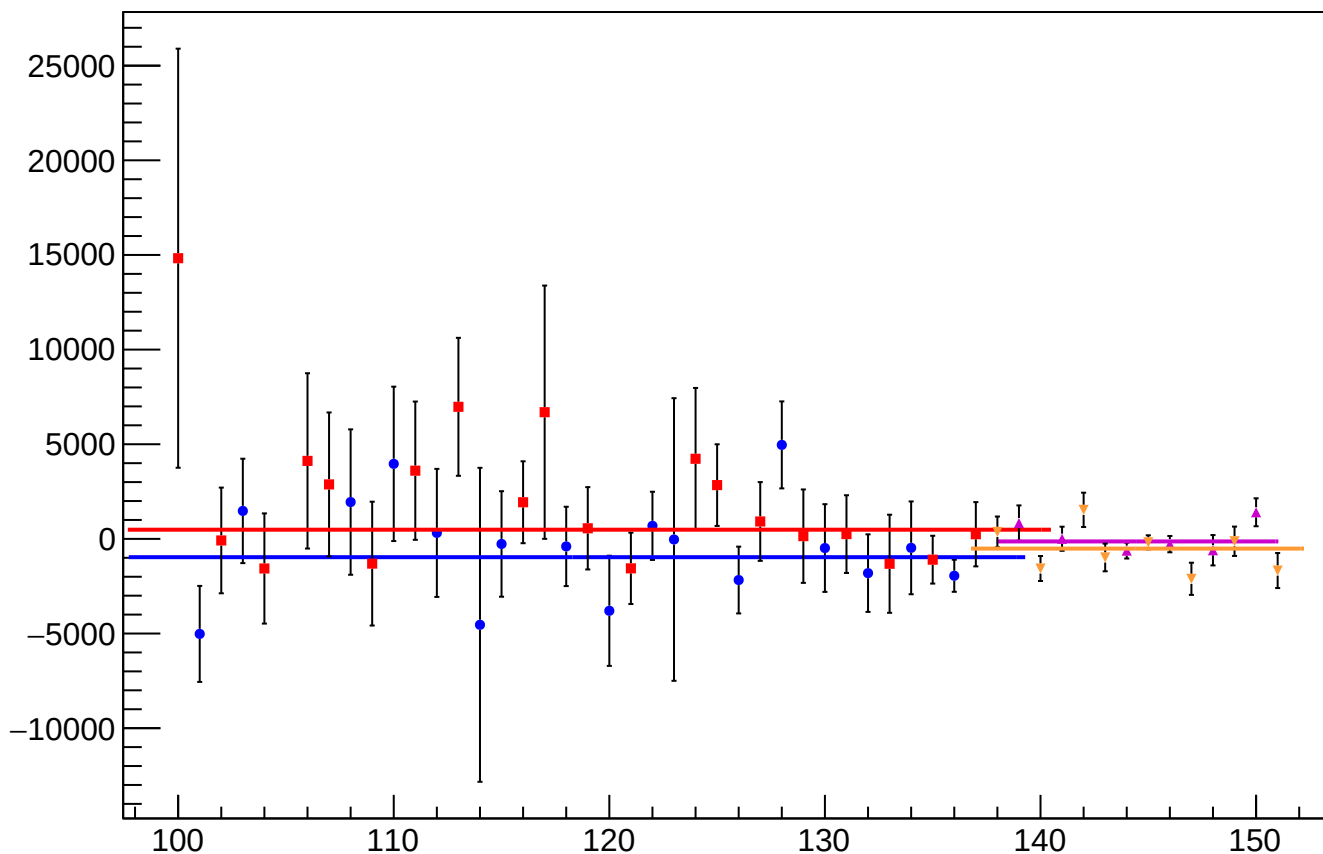
Left In: 87.105 $\pm$ 0.028 χ^2 /NDF:174722.1/5

100.848 $\pm$ 0.021 χ^2 /NDF: 1772882.6/24

101.474 $\pm$ 0.015 χ^2 /NDF: 4004420.8/50

102.155 $\pm$ 0.022 χ^2 /NDF: 2229705.0/25

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



Right In: -966.587+/-512.340 χ^2/NDF : 16.4/16

Left Out: -512.811+/-233.229 χ^2/NDF : 15.4/7

Right Out: 485.654+/-543.567 χ^2/NDF : 14.3/19

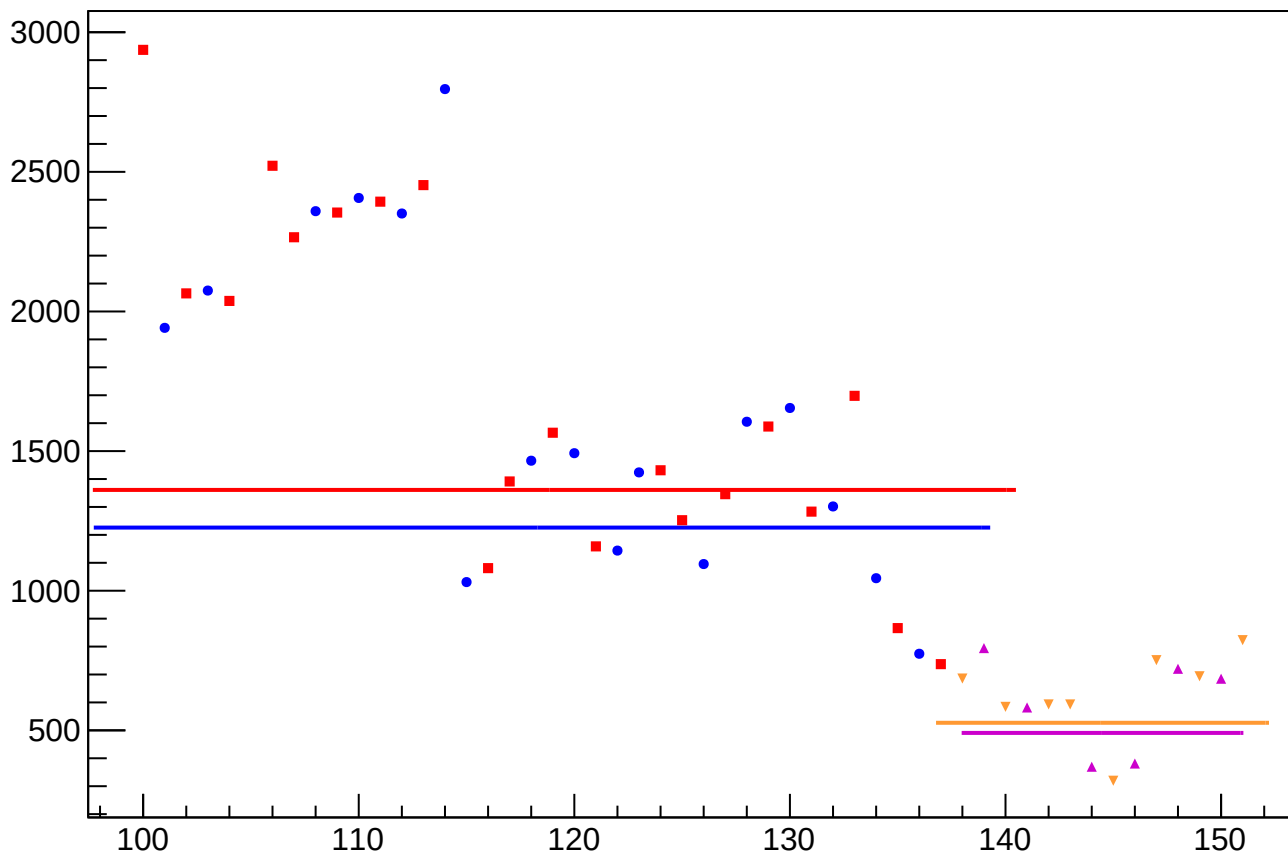
Left In: -134.414+/-234.765 χ^2/NDF : 7.3/5

-590.704+/-212.270 χ^2/NDF : 32.4/24

-318.029+/-151.234 χ^2/NDF : 58.4/50

-36.934+/-215.522 χ^2/NDF : 22.6/25

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



Right In: 1226.135 $\pm$ 0.362 χ^2/NDF : 1756323.1/16

Left Out: 527.105 $\pm$ 0.165 χ^2/NDF : 1179422.4/7

Right Out: 1360.972 $\pm$ 0.384 χ^2/NDF : 1749116.2/19

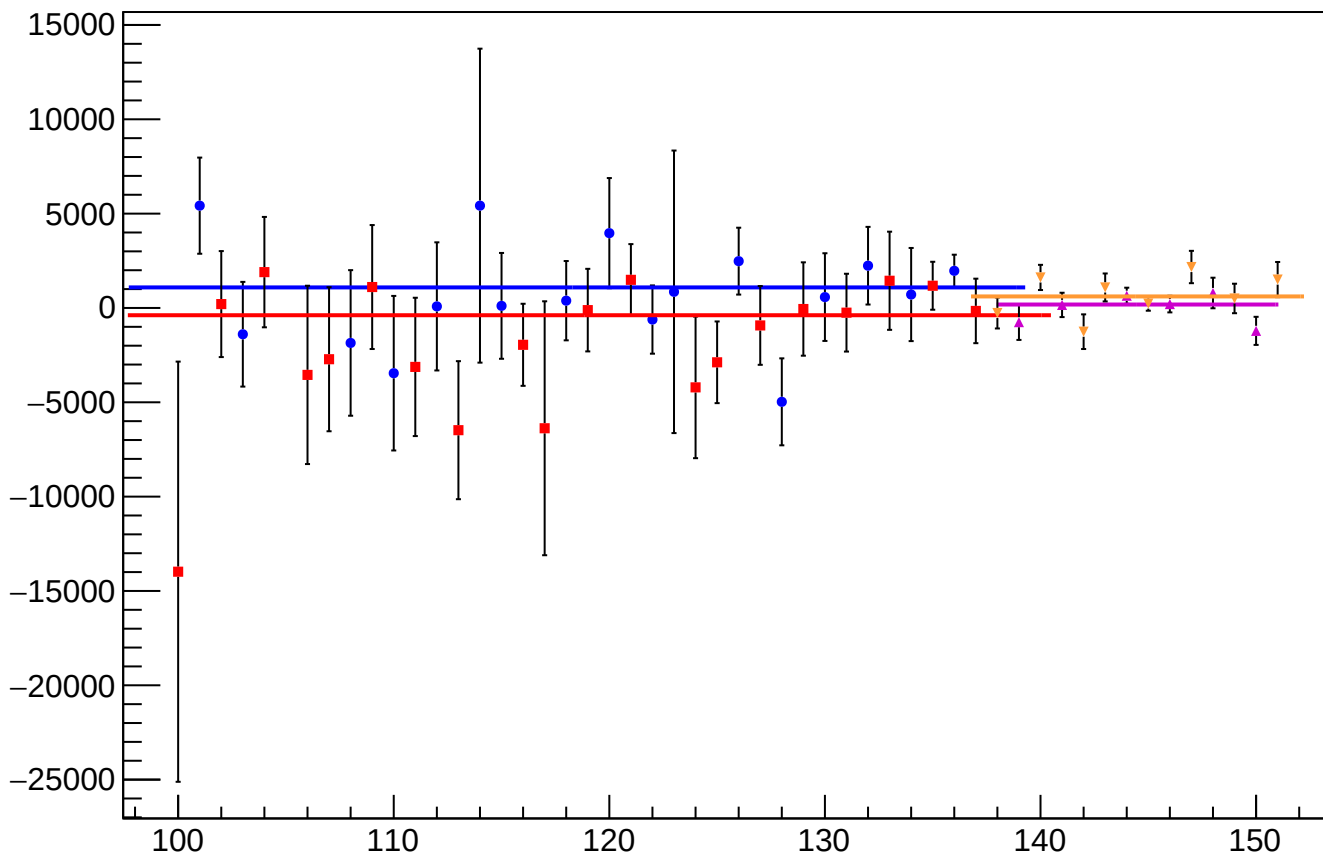
Left In: 490.819 $\pm$ 0.166 χ^2/NDF : 853298.9/5

647.098 $\pm$ 0.150 χ^2/NDF : 6019750.0/24

637.505 $\pm$ 0.107 χ^2/NDF : 12949961.4/50

627.616 $\pm$ 0.152 χ^2/NDF : 6921915.7/25

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1089.066+/-515.272 χ^2/NDF : 16.9/16

Left Out: 610.924+/-237.127 χ^2/NDF : 13.2/7

Right Out: -385.391+/-546.382 χ^2/NDF : 13.3/19

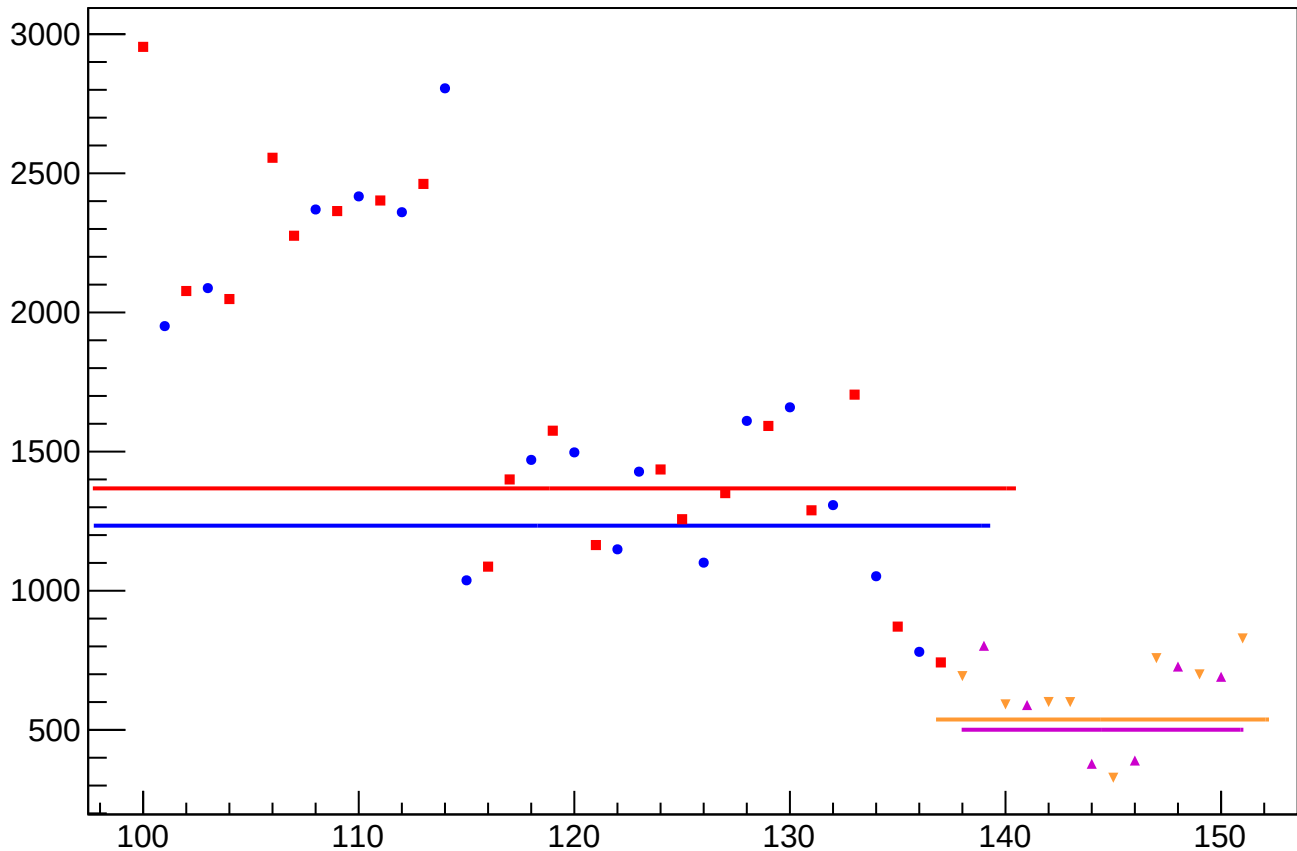
Left In: 182.043+/-238.943 χ^2/NDF : 6.3/5

694.488+/-215.412 χ^2/NDF : 30.8/24

397.597+/-153.546 χ^2/NDF : 55.2/50

90.944+/-218.924 χ^2/NDF : 20.5/25

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1233.863 $\pm$ 0.364 χ^2/NDF : 1744048.5/16

Left Out: 537.353 $\pm$ 0.168 χ^2/NDF : 1126441.2/7

Right Out: 1367.823 $\pm$ 0.386 χ^2/NDF : 1744640.3/19

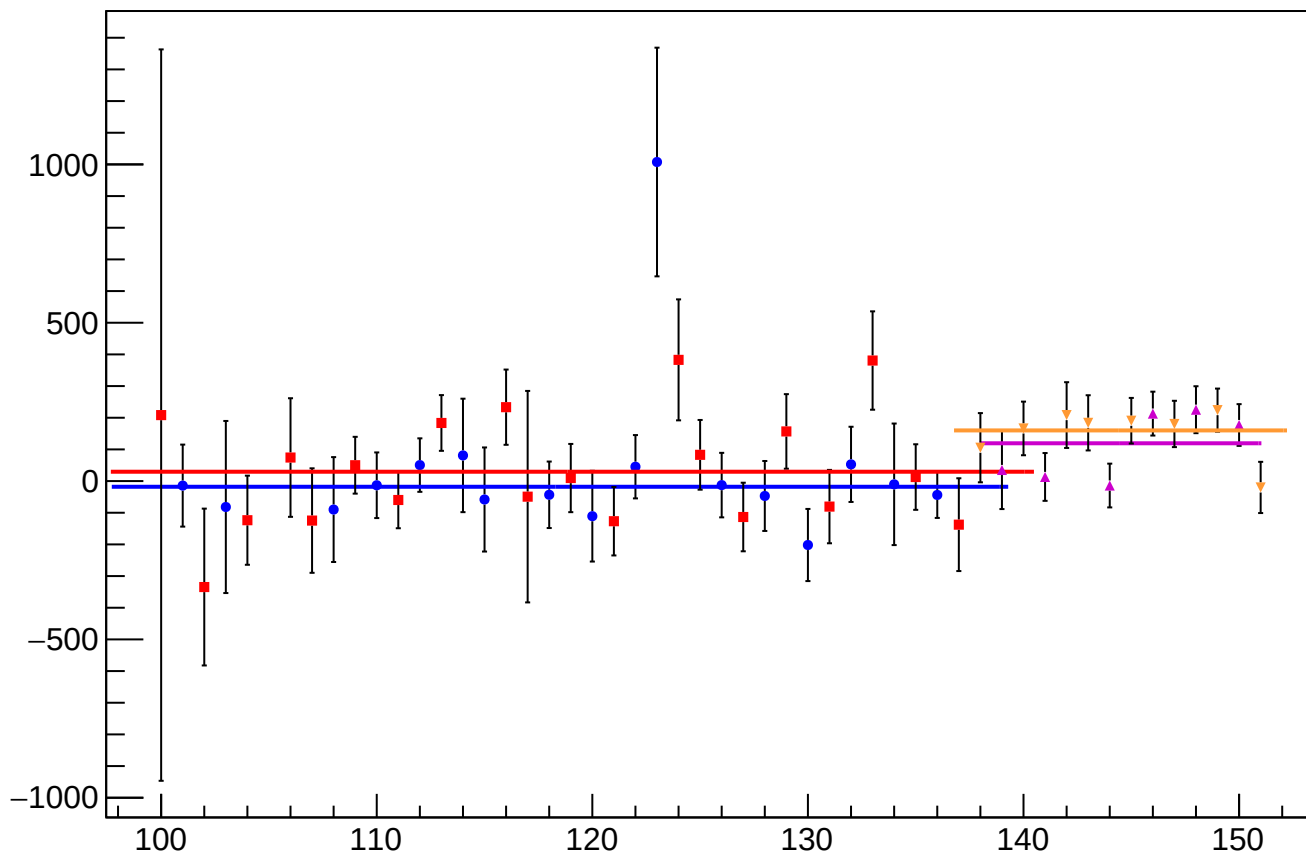
Left In: 500.587 $\pm$ 0.169 χ^2/NDF : 821459.9/5

659.081 $\pm$ 0.152 χ^2/NDF : 5886179.5/24

649.605 $\pm$ 0.109 χ^2/NDF : 12689844.8/50

639.817 $\pm$ 0.155 χ^2/NDF : 6795797.0/25

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -17.972+/-28.848 χ^2/NDF : 13.4/16

Left Out: 159.960+/-28.911 χ^2/NDF : 6.7/7

Right Out: 29.517+/-27.879 χ^2/NDF : 27.5/19

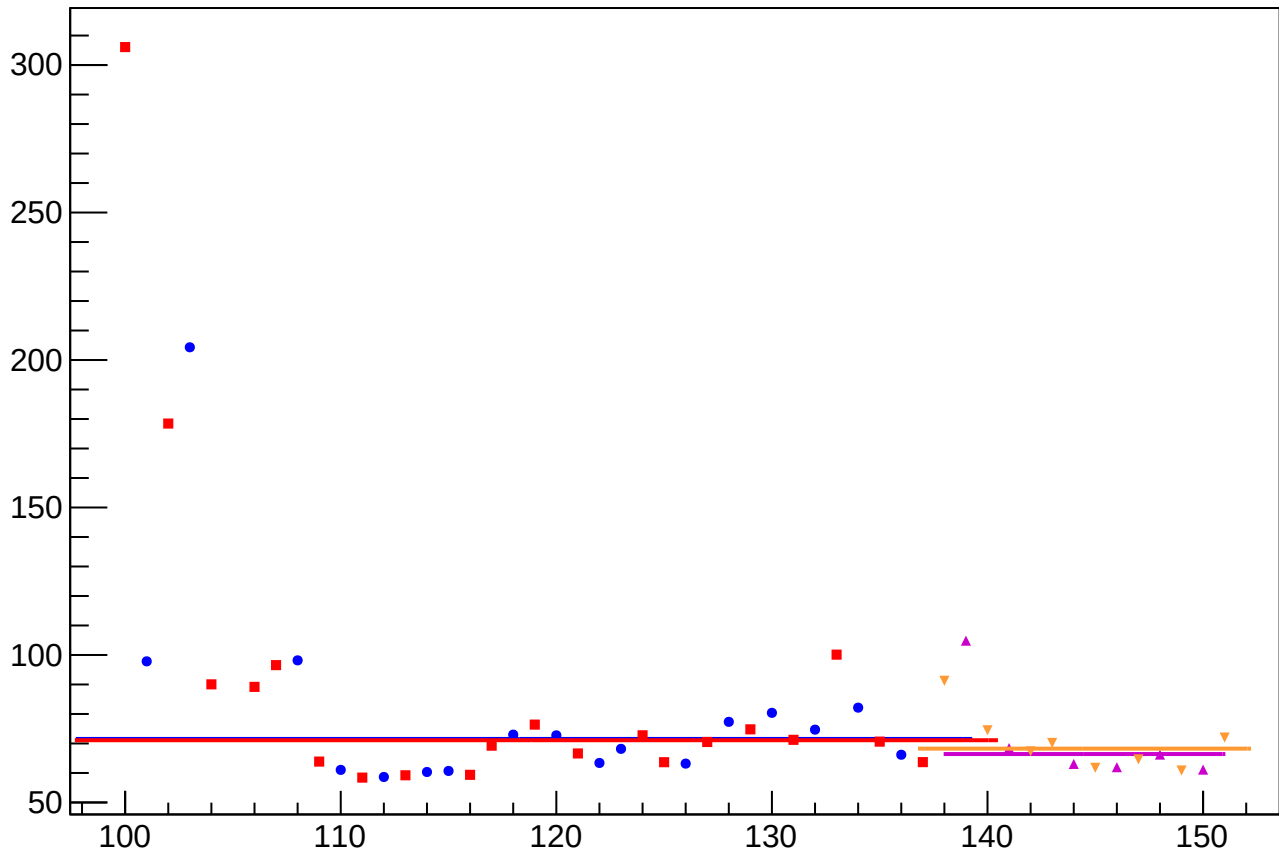
Left In: 119.357+/-30.550 χ^2/NDF : 10.8/5

70.800+/-20.421 χ^2/NDF : 39.0/24

70.571+/-14.500 χ^2/NDF : 82.0/50

70.339+/-20.593 χ^2/NDF : 43.0/25

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: 68.250 $\pm$ 0.020 χ^2 /NDF: 149716.9/7

Right Out: 71.102 $\pm$ 0.020 χ^2 /NDF: 765220.8/19

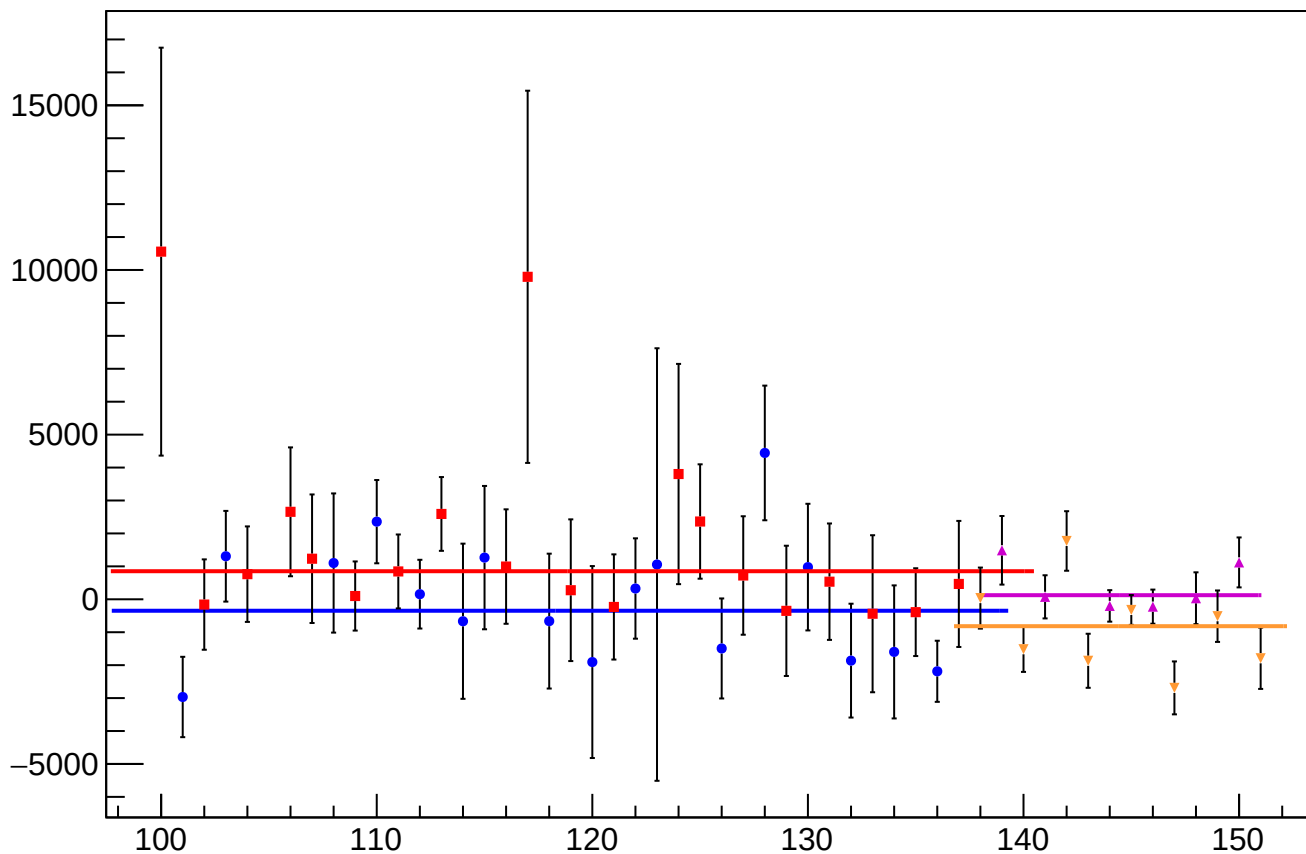
Left In: 66.416 $\pm$ 0.022 χ^2 /NDF: 221030.5/5

69.896 $\pm$ 0.014 χ^2 /NDF: 921627.4/24

69.438 $\pm$ 0.010 χ^2 /NDF: 1935581.5/50

68.973 $\pm$ 0.015 χ^2 /NDF: 1011926.1/25

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: -347.939+/-381.994 χ^2/NDF : 24.1/16

Left Out: -816.688+/-256.507 χ^2/NDF : 19.6/7

Right Out: 852.433+/-369.018 χ^2/NDF : 13.0/19

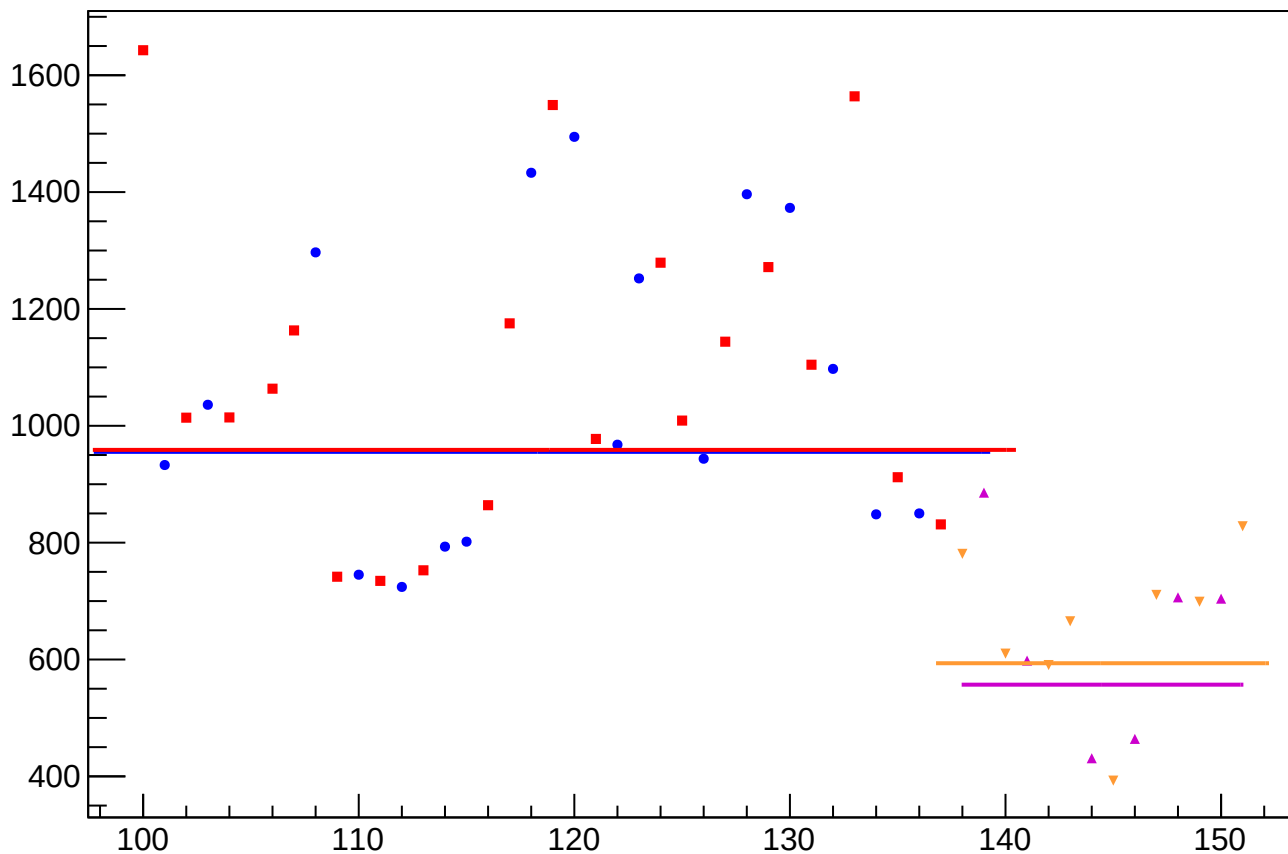
Left In: 124.550+/-260.732 χ^2/NDF : 4.4/5

-671.013+/-212.951 χ^2/NDF : 44.7/24

-152.023+/-150.576 χ^2/NDF : 76.5/50

366.927+/-212.942 χ^2/NDF : 20.0/25

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: 593.632 $\pm$ 0.181 χ^2 /NDF: 697064.8/7

Right Out: 958.776 $\pm$ 0.261 χ^2 /NDF: 696031.2/19

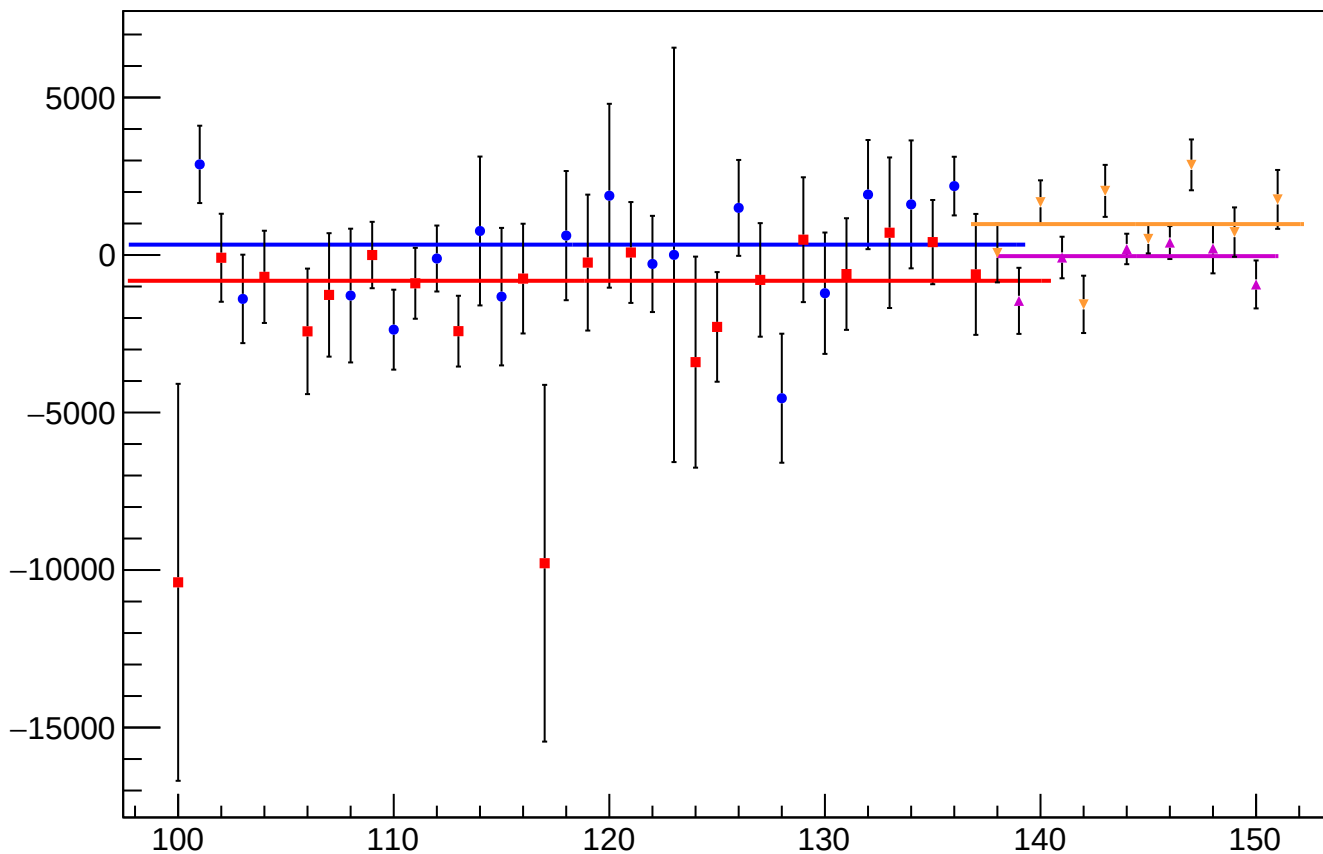
Left In: 556.938 $\pm$ 0.184 χ^2 /NDF: 557555.6/5

706.068 $\pm$ 0.151 χ^2 /NDF: 2580095.7/24

698.406 $\pm$ 0.106 χ^2 /NDF: 5420733.4/50

690.745 $\pm$ 0.151 χ^2 /NDF: 2835459.8/25

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 329.164+/-383.728 χ^2/NDF : 24.3/16

Left Out: 981.351+/-258.572 χ^2/NDF : 18.7/7

Right Out: -818.253+/-370.875 χ^2/NDF : 11.8/19

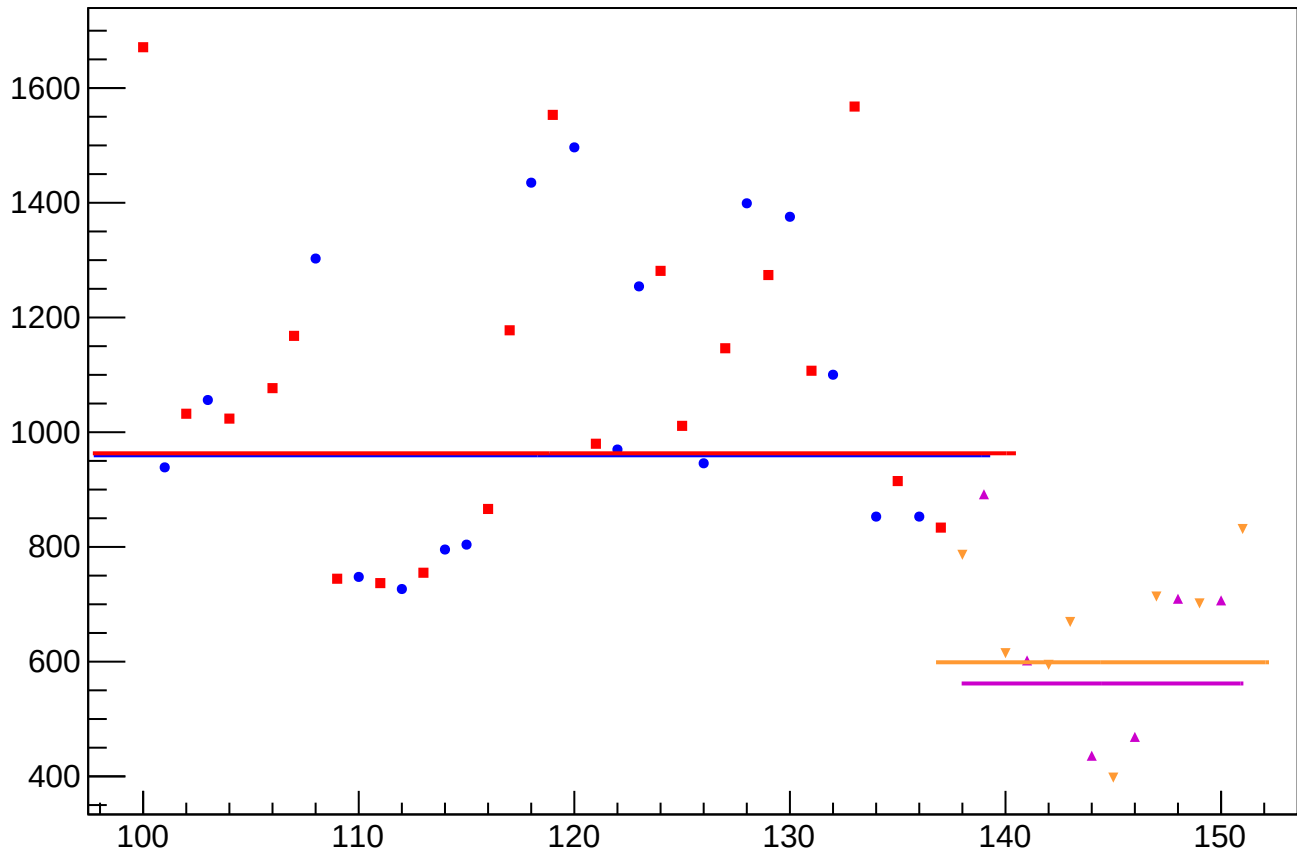
Left In: -35.761+/-262.901 χ^2/NDF : 4.2/5

777.692+/-214.432 χ^2/NDF : 45.0/24

240.237+/-151.643 χ^2/NDF : 76.6/50

-297.458+/-214.480 χ^2/NDF : 19.0/25

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 959.770 +/- 0.271 χ^2/NDF : 646727.9/16

Left Out: 598.897 +/- 0.183 χ^2/NDF : 678456.4/7

Right Out: 963.238 +/- 0.262 χ^2/NDF : 698638.3/19

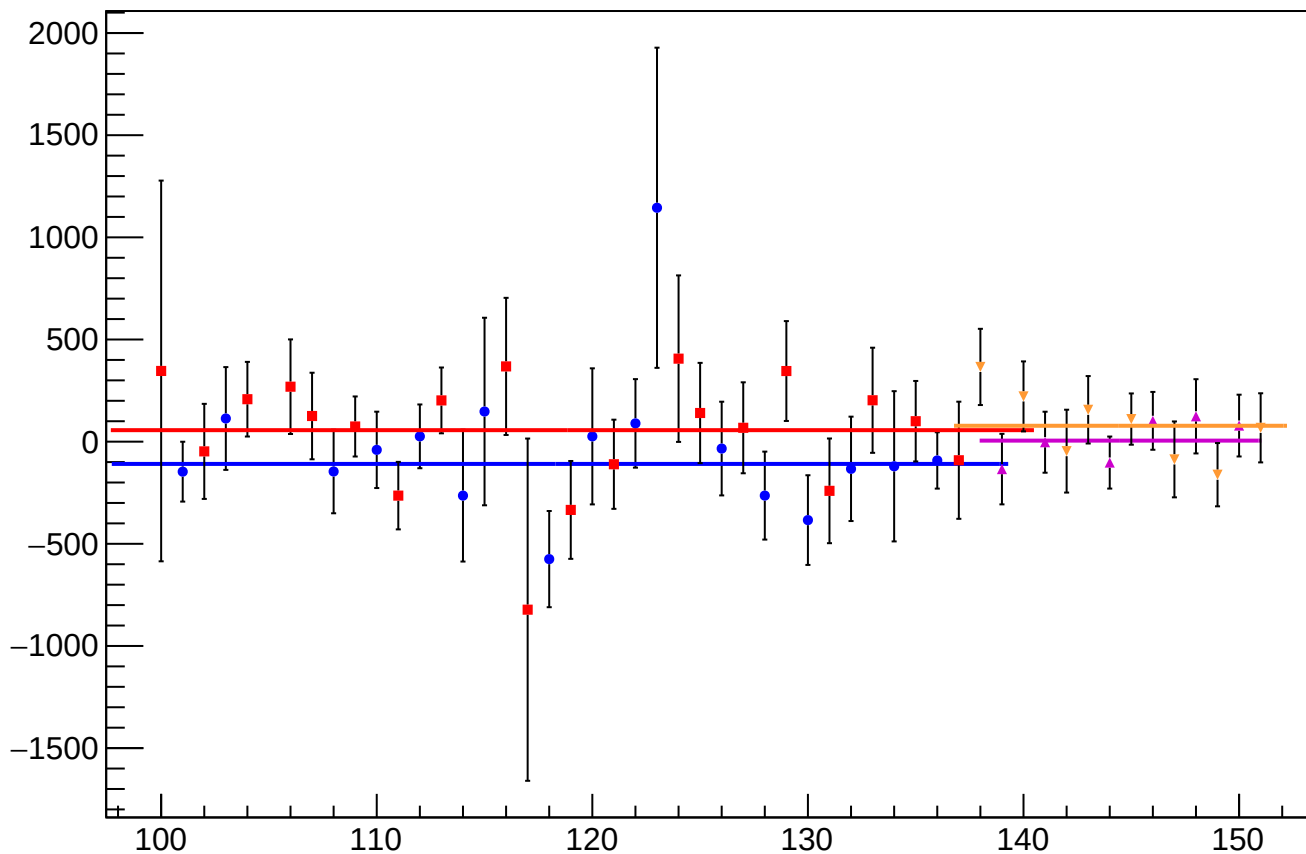
Left In: 561.945 +/- 0.186 χ^2/NDF : 546714.0/5

711.587 +/- 0.152 χ^2/NDF : 2541679.0/24

703.872 +/- 0.107 χ^2/NDF : 5350635.8/50

696.153 +/- 0.152 χ^2/NDF : 2803777.3/25

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -108.977 ± 52.923 χ^2/NDF : 12.0/16

Left Out: 77.782 ± 58.420 χ^2/NDF : 6.9/7

Right Out: 56.241 ± 50.729 χ^2/NDF : 16.0/19

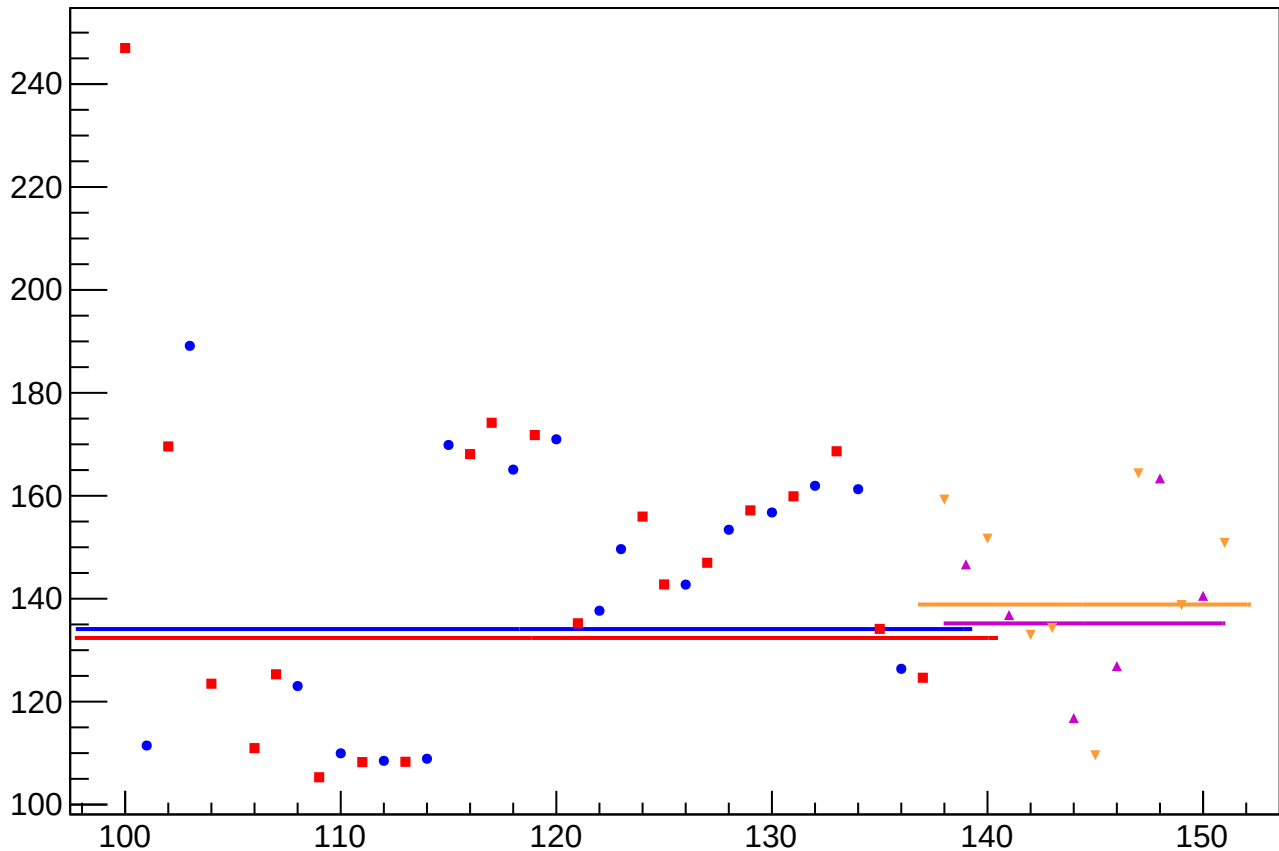
Left In: 5.083 ± 61.543 χ^2/NDF : 2.5/5

-24.797 ± 39.222 χ^2/NDF : 24.6/24

5.433 ± 27.707 χ^2/NDF : 44.6/50

35.545 ± 39.145 χ^2/NDF : 18.9/25

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: 138.879 $\pm$ 0.041 χ^2 /NDF: 194962.6/7

Right Out: 132.373 $\pm$ 0.036 χ^2 /NDF: 446741.9/19

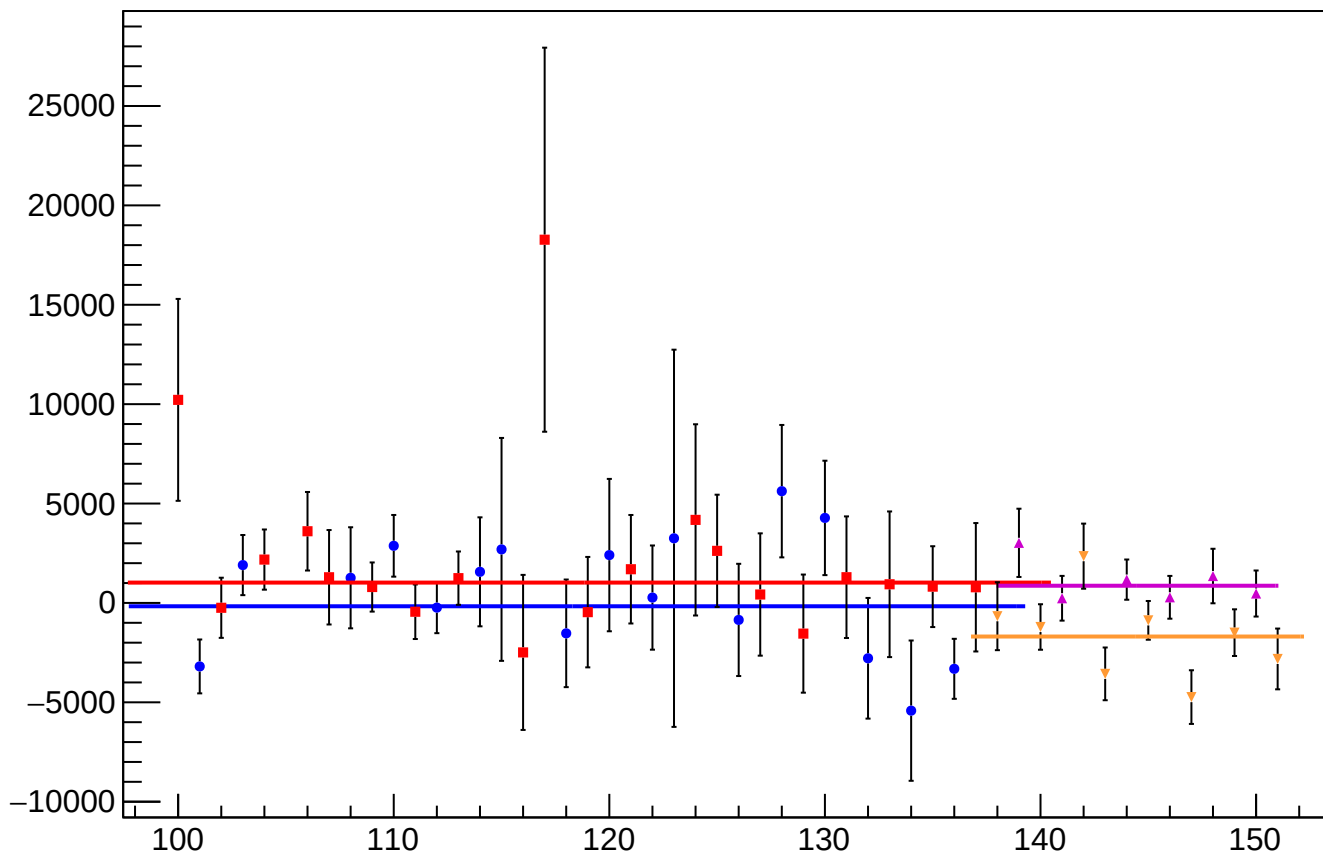
Left In: 135.203 $\pm$ 0.044 χ^2 /NDF: 108289.1/5

136.256 $\pm$ 0.028 χ^2 /NDF: 604884.8/24

134.884 $\pm$ 0.020 χ^2 /NDF: 1167317.5/50

133.518 $\pm$ 0.028 χ^2 /NDF: 557549.4/25

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



Right In: -168.237 $\pm$ 523.672 χ^2 /NDF: 25.3/16

Left Out: -1690.348 $\pm$ 456.355 χ^2 /NDF:15.0/7

Right Out: 1023.271 $\pm$ 480.373 χ^2 /NDF: 13.4/19

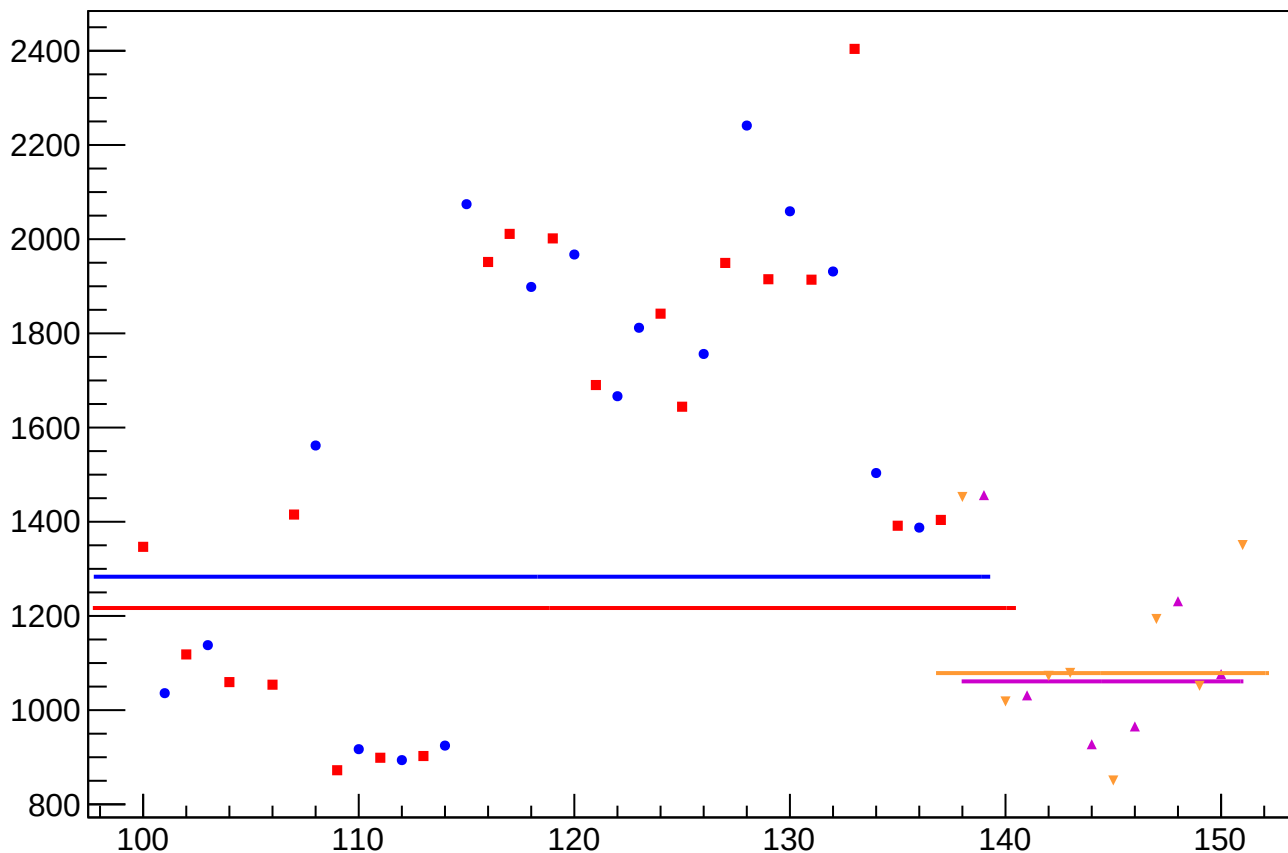
Left In: 864.922 $\pm$ 485.316 χ^2 /NDF:2.5/5

-1033.354 $\pm$ 344.047 χ^2 /NDF: 45.1/24

-36.613 $\pm$ 242.340 χ^2 /NDF: 77.7/50

944.907 $\pm$ 341.409 χ^2 /NDF: 16.0/25

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: 1078.667 $\pm$ 0.323 χ^2 /NDF: 289602.6/7

Right Out: 1216.852 $\pm$ 0.340 χ^2 /NDF: 1374416.0/19

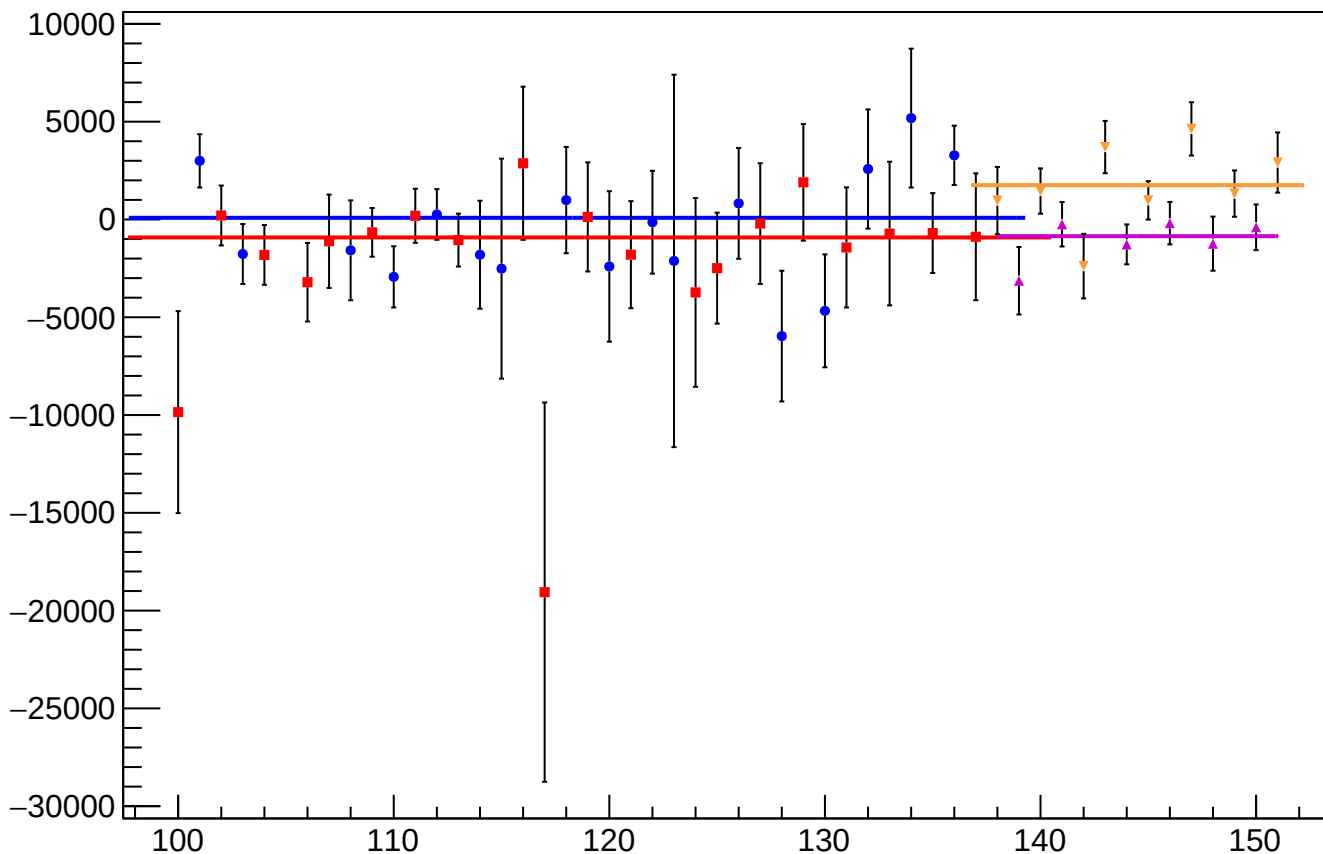
Left In: 1061.056 $\pm$ 0.343 χ^2 /NDF: 189271.0/5

1167.001 $\pm$ 0.243 χ^2 /NDF: 1632639.9/24

1153.271 $\pm$ 0.171 χ^2 /NDF: 3306757.2/50

1139.751 $\pm$ 0.241 χ^2 /NDF: 1667795.6/25

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 85.077+/-527.082 χ^2 /NDF: 24.7/16

Left Out: 1755.025+/-460.283 χ^2 /NDF:14.5/7

Right Out: -919.892+/-484.043 χ^2 /NDF: 12.2/19

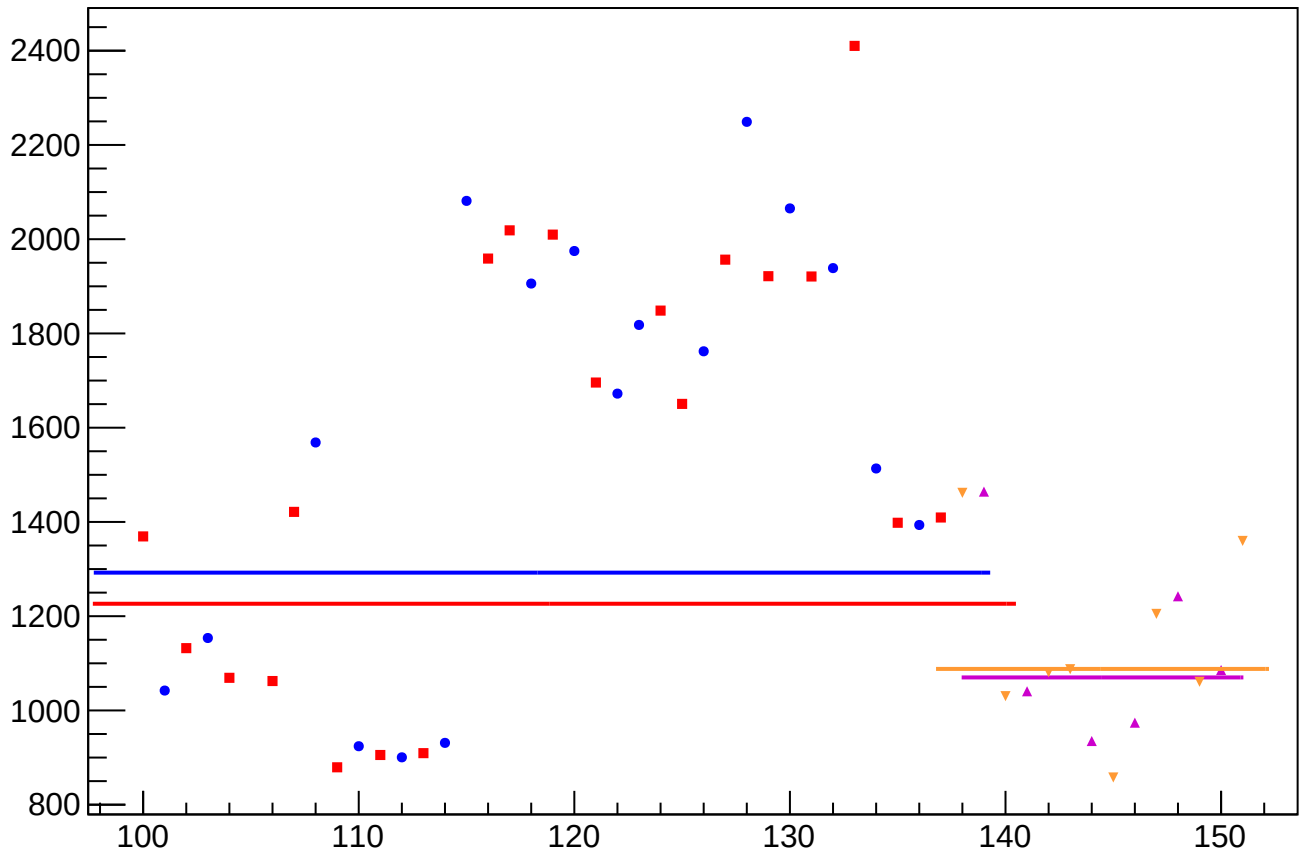
Left In: -854.380+/-489.365 χ^2 /NDF:2.8/5

1032.515+/-346.696 χ^2 /NDF: 44.9/24

65.396+/-244.241 χ^2 /NDF: 75.3/50

-887.494+/-344.136 χ^2 /NDF: 15.0/25

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1292.426 $\pm$ 0.373 χ^2/NDF : 1156576.0/16

Left Out: 1088.126 $\pm$ 0.325 χ^2/NDF : 287463.2/7

Right Out: 1226.408 $\pm$ 0.342 χ^2/NDF : 1359134.9/19

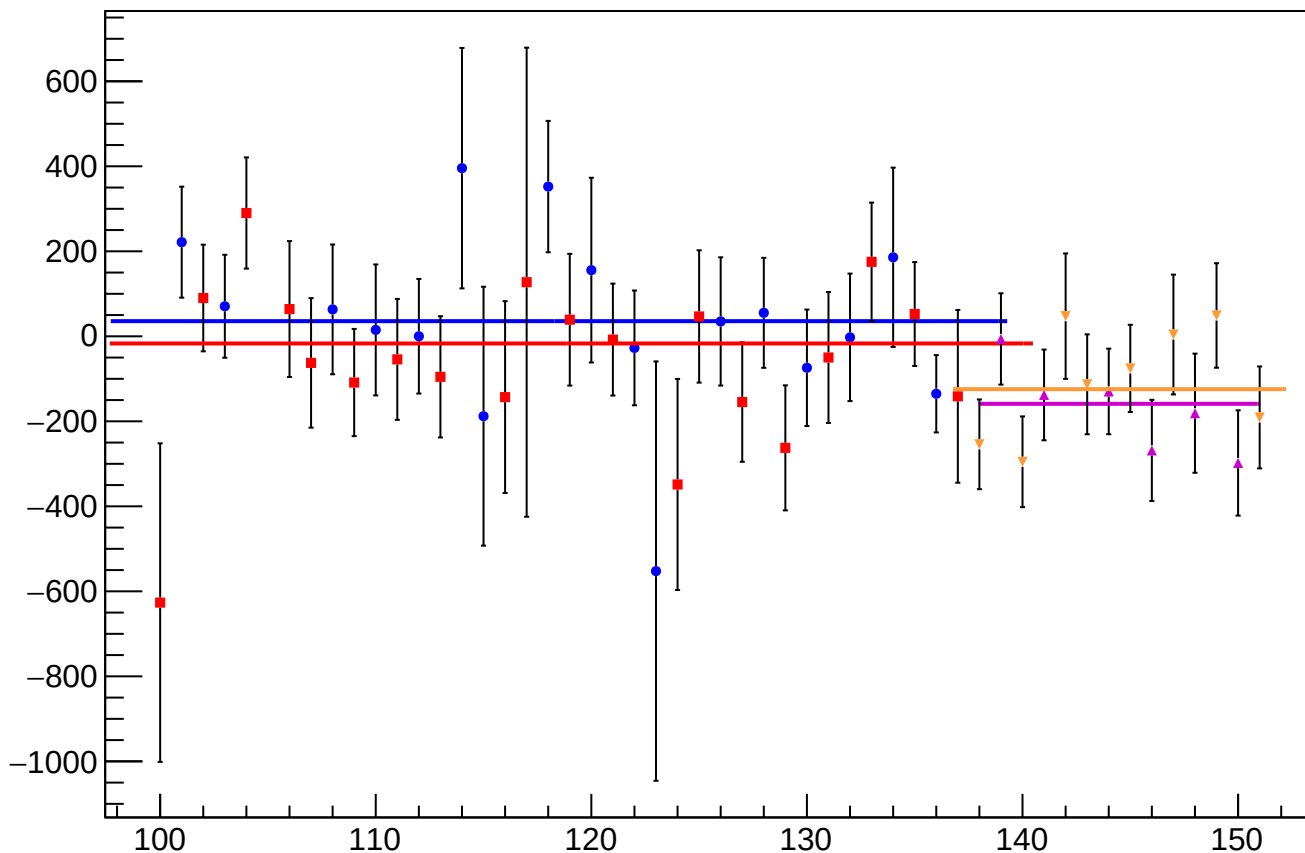
Left In: 1070.042 $\pm$ 0.346 χ^2/NDF : 187705.7/5

1176.517 $\pm$ 0.245 χ^2/NDF : 1614512.1/24

1162.697 $\pm$ 0.173 χ^2/NDF : 3270876.5/50

1149.080 $\pm$ 0.243 χ^2/NDF : 1650055.2/25

reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 35.679 ± 36.350 $\chi^2/\text{NDF}: 15.3/16$

Left Out: -124.299 ± 41.639 $\chi^2/\text{NDF}: 8.8/7$

Right Out: -16.849 ± 34.623 $\chi^2/\text{NDF}: 19.0/19$

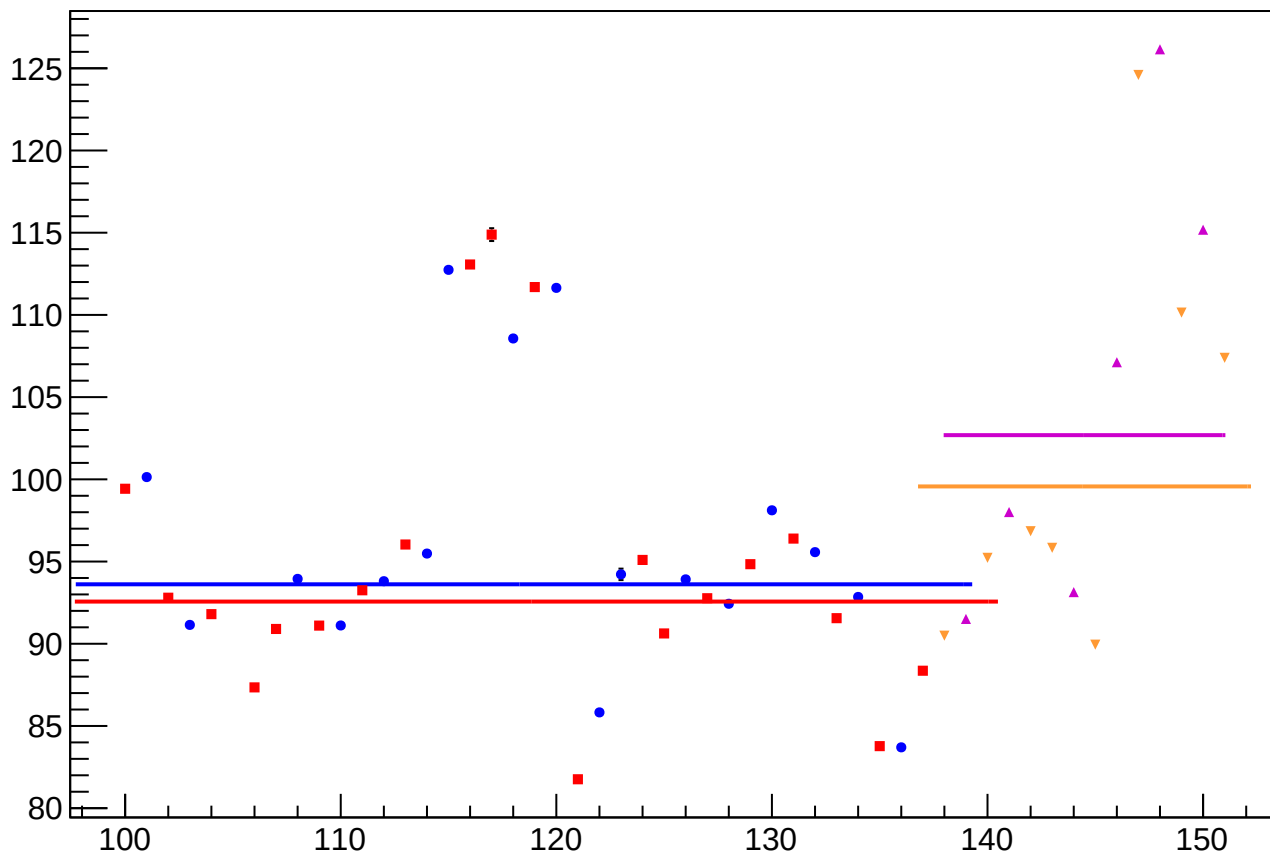
Left In: -158.818 ± 46.636 $\chi^2/\text{NDF}: 4.3/5$

-33.512 ± 27.384 $\chi^2/\text{NDF}: 32.5/24$

-50.148 ± 19.508 $\chi^2/\text{NDF}: 62.4/50$

-67.294 ± 27.799 $\chi^2/\text{NDF}: 29.2/25$

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: 99.568 $\pm$ 0.029 χ^2/NDF : 124757.5/7

Right Out: 92.565 $\pm$ 0.024 χ^2/NDF : 81875.5/19

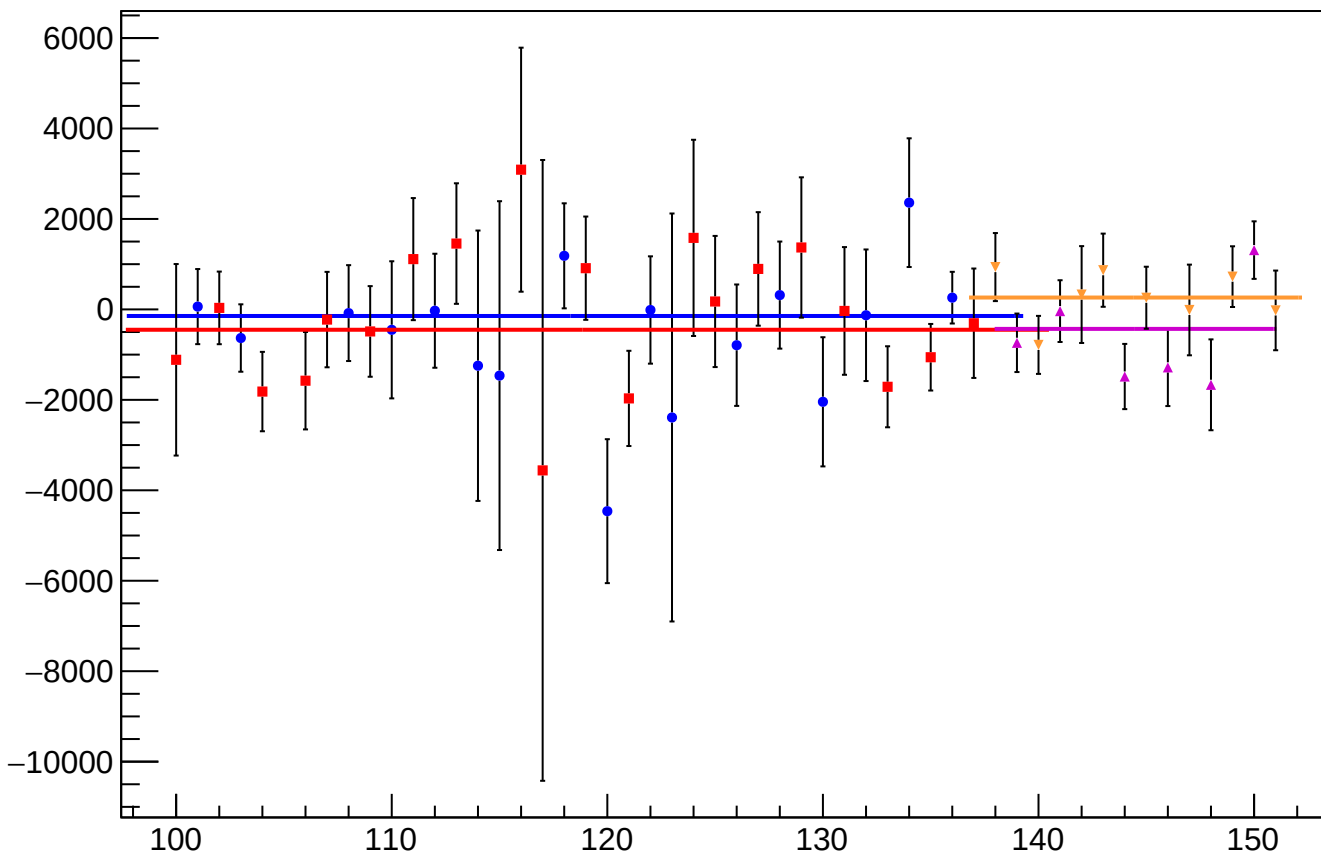
Left In: 102.688 $\pm$ 0.033 χ^2/NDF : 122661.5/5

96.190 $\pm$ 0.019 χ^2/NDF : 227879.4/24

96.176 $\pm$ 0.014 χ^2/NDF : 493160.5/50

96.162 $\pm$ 0.020 χ^2/NDF : 265280.1/25

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: 262.423 $\pm$ 274.981 χ^2/NDF : 4.7/7

Right Out: -450.047 $\pm$ 260.089 χ^2/NDF : 19.2/19

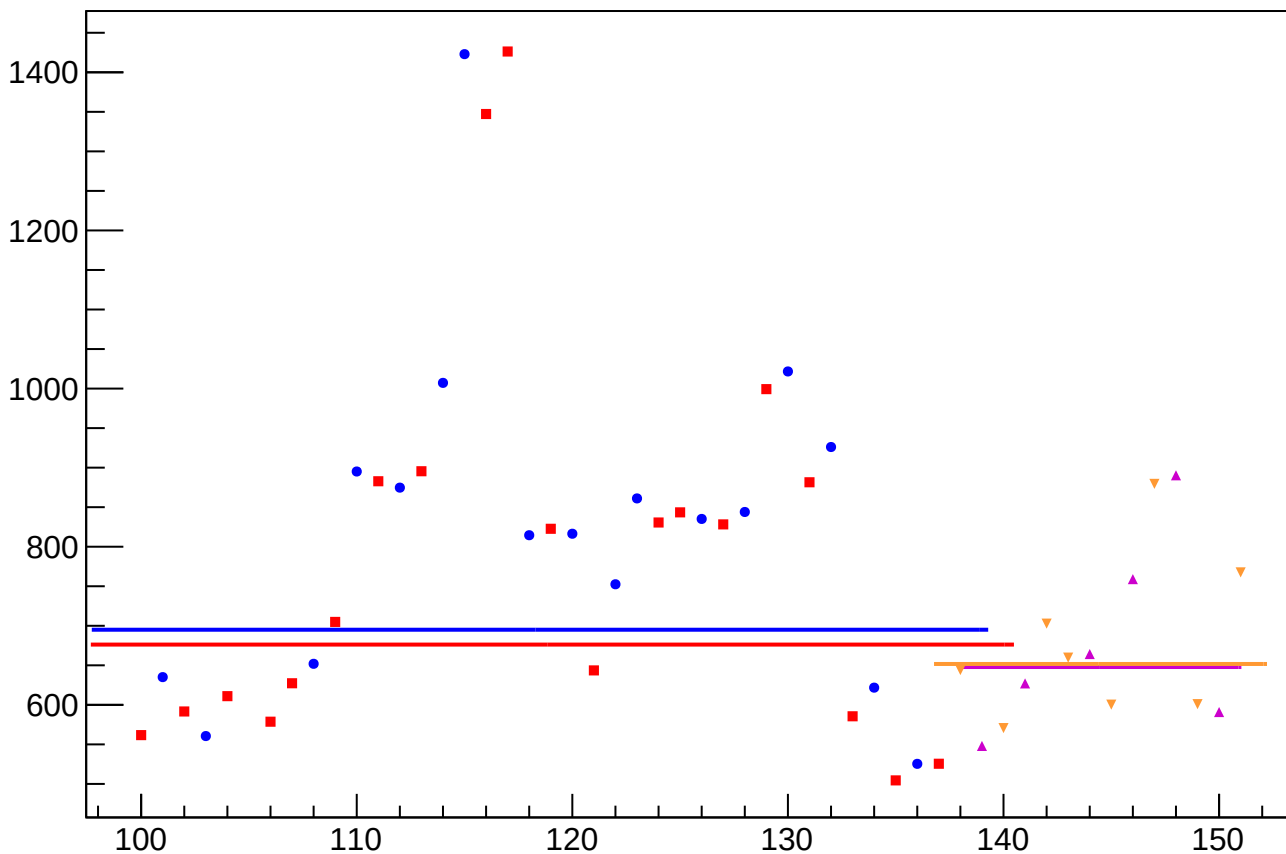
Left In: -430.973 $\pm$ 297.639 χ^2/NDF : 12.7/5

59.698 $\pm$ 195.021 χ^2/NDF : 21.3/24

-189.982 $\pm$ 138.193 χ^2/NDF : 56.4/50

-441.788 $\pm$ 195.849 χ^2/NDF : 31.9/25

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: 651.704 $\pm$ 0.194 χ^2/NDF : 197411.7/7

Right Out: 676.229 $\pm$ 0.184 χ^2/NDF : 700313.6/19

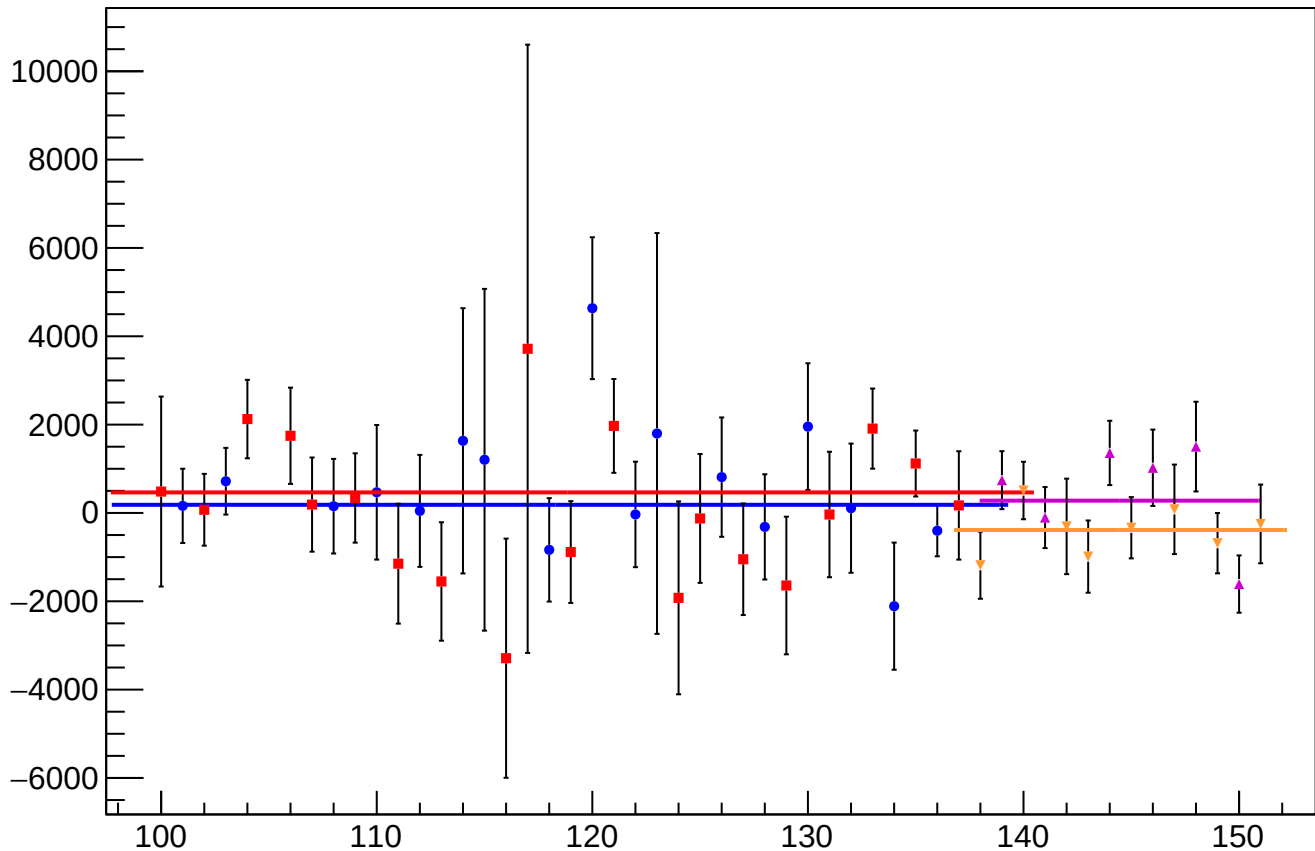
Left In: 647.849 $\pm$ 0.210 χ^2/NDF : 216794.2/5

673.230 $\pm$ 0.138 χ^2/NDF : 899782.7/24

668.605 $\pm$ 0.098 χ^2/NDF : 1829460.3/50

663.941 $\pm$ 0.138 χ^2/NDF : 927418.8/25

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 184.518 ± 279.390 χ^2/NDF : 14.9/16

Left Out: -386.288 ± 278.355 χ^2/NDF : 4.0/7

Right Out: 464.916 ± 262.768 χ^2/NDF : 22.5/19

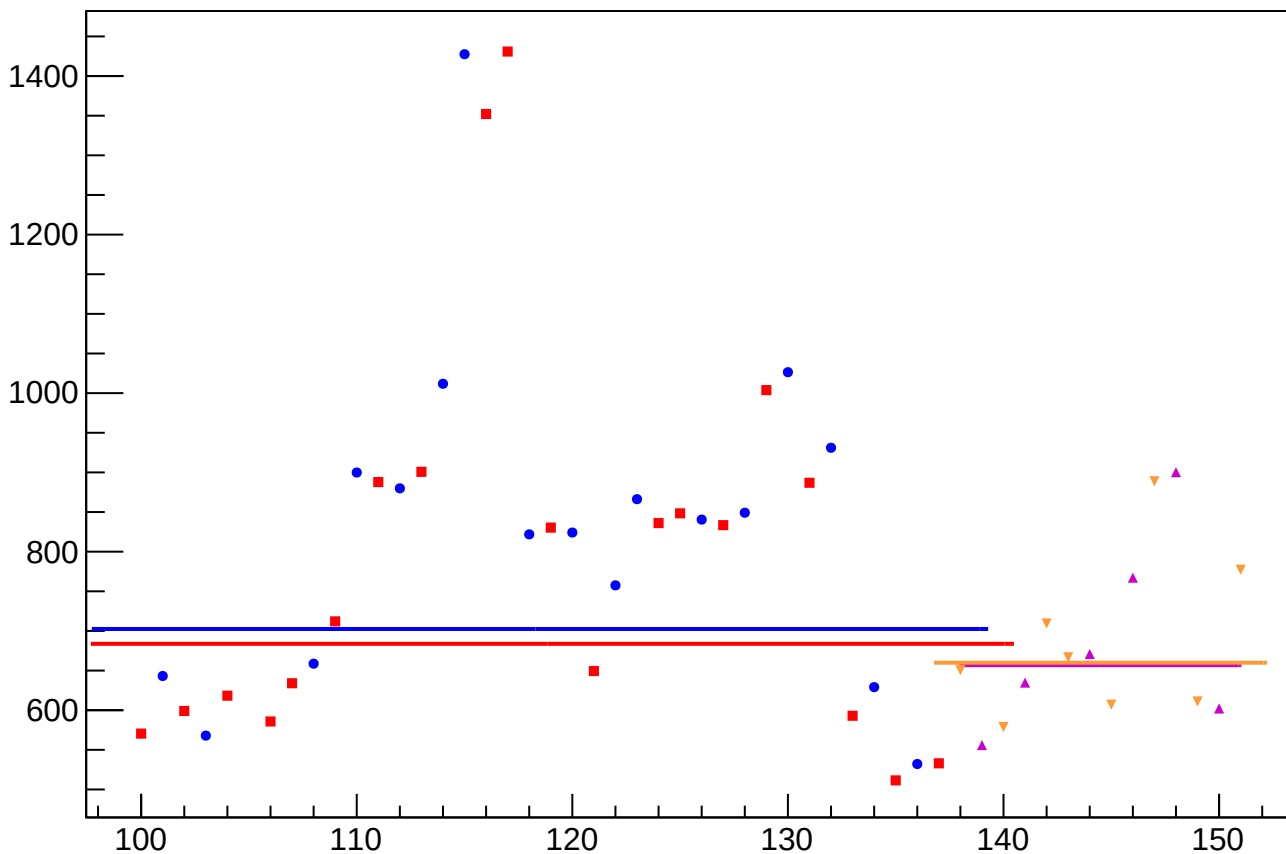
Left In: 278.705 ± 301.614 χ^2/NDF : 13.7/5

-101.944 ± 197.192 χ^2/NDF : 21.0/24

140.162 ± 139.764 χ^2/NDF : 60.5/50

384.566 ± 198.125 χ^2/NDF : 36.4/25

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 702.469+/-0.198 χ^2/NDF : 660525.4/16

Left Out: 659.948+/-0.197 χ^2/NDF : 194463.0/7

Right Out: 683.751+/-0.186 χ^2/NDF : 683105.3/19

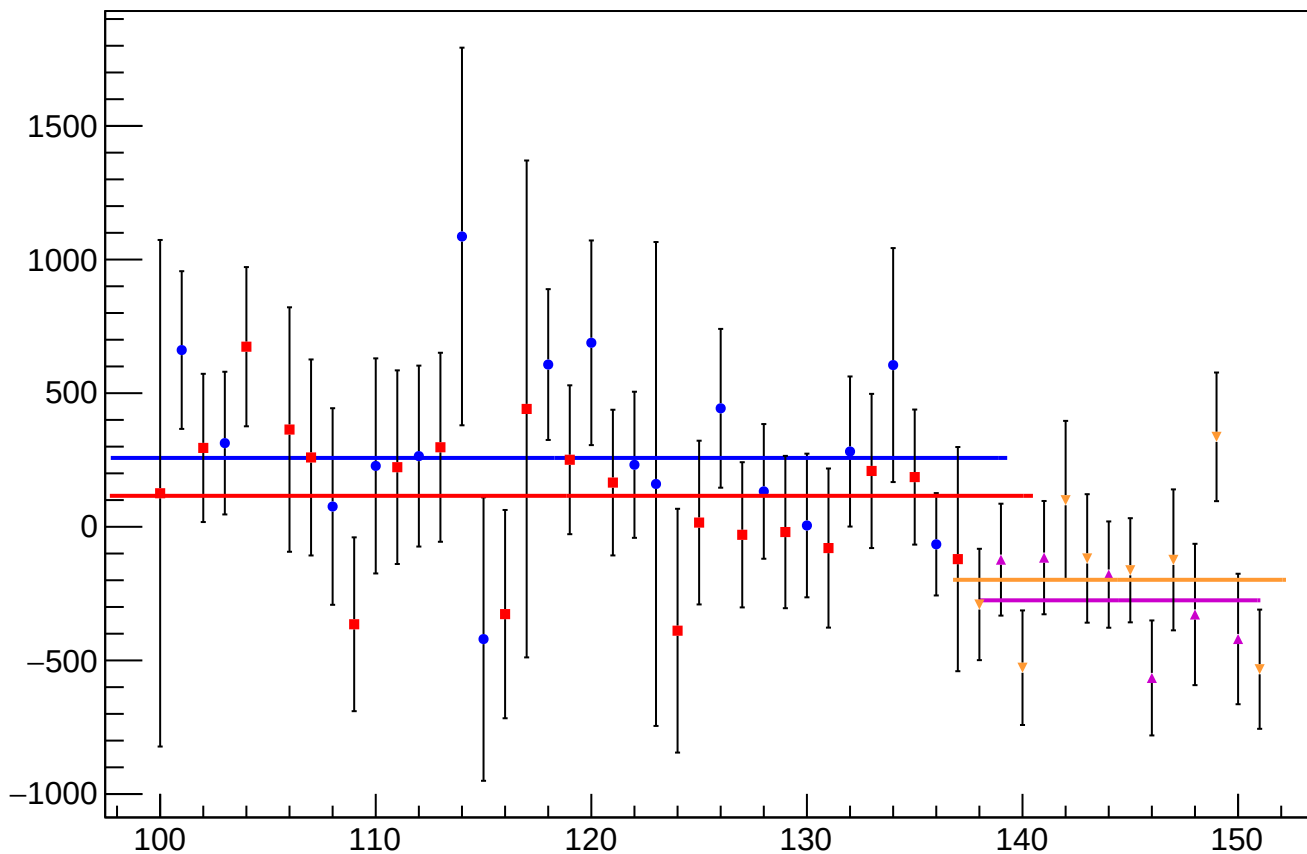
Left In: 656.822+/-0.213 χ^2/NDF : 211912.4/5

681.130+/-0.139 χ^2/NDF : 878236.4/24

676.652+/-0.099 χ^2/NDF : 1784390.5/50

672.131+/-0.140 χ^2/NDF : 904081.6/25

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: -198.328 $\pm$ 81.233 χ^2 /NDF: 11.0/7

Right Out: 115.922 $\pm$ 73.976 χ^2 /NDF: 11.4/19

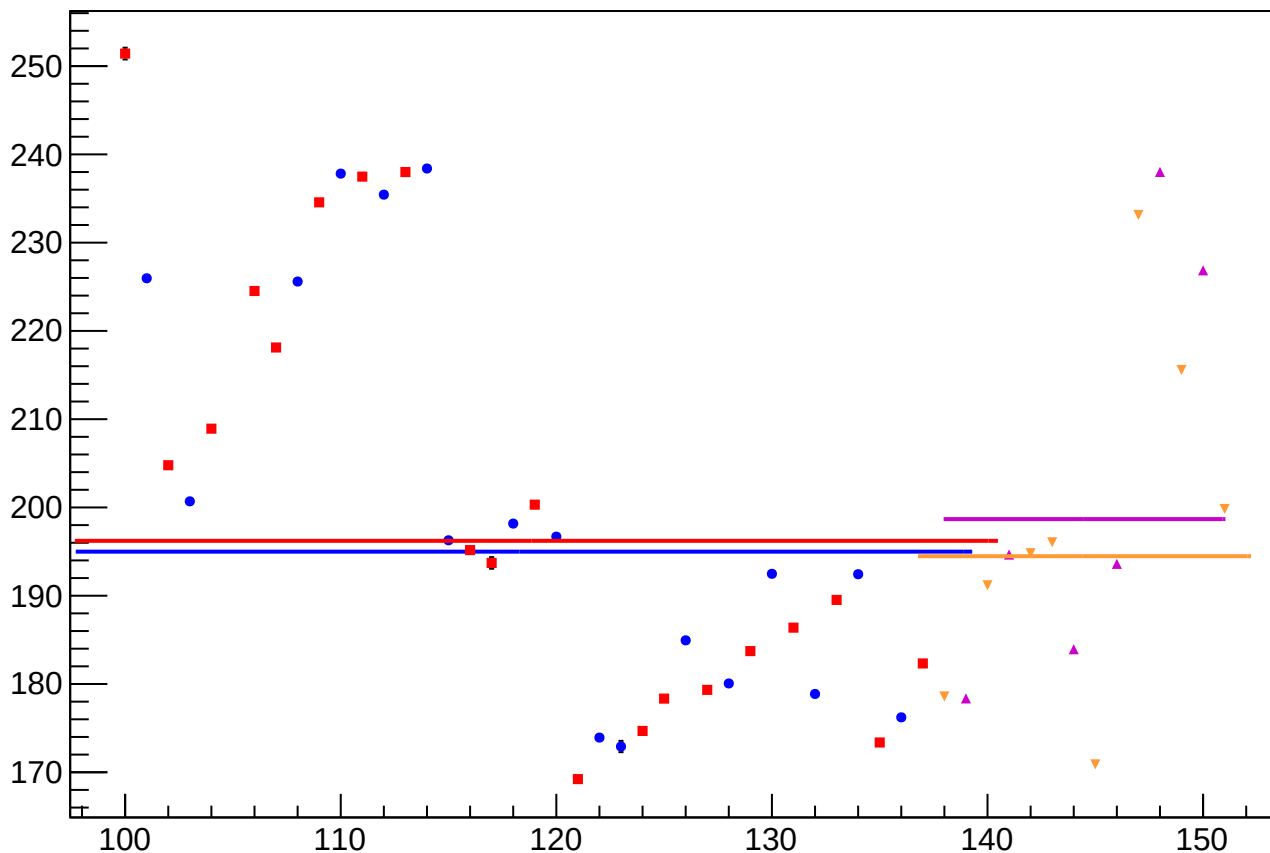
Left In: -275.087 $\pm$ 90.149 χ^2 /NDF: 3.5/5

45.064 $\pm$ 55.471 χ^2 /NDF: 40.8/24

3.137 $\pm$ 39.817 χ^2 /NDF: 68.1/50

-41.423 $\pm$ 57.186 χ^2 /NDF: 26.2/25

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: 194.476 $\pm$ 0.057 χ^2 /NDF:100975.1/7

Right Out: 196.219 $\pm$ 0.052 χ^2 /NDF: 173506.2/19

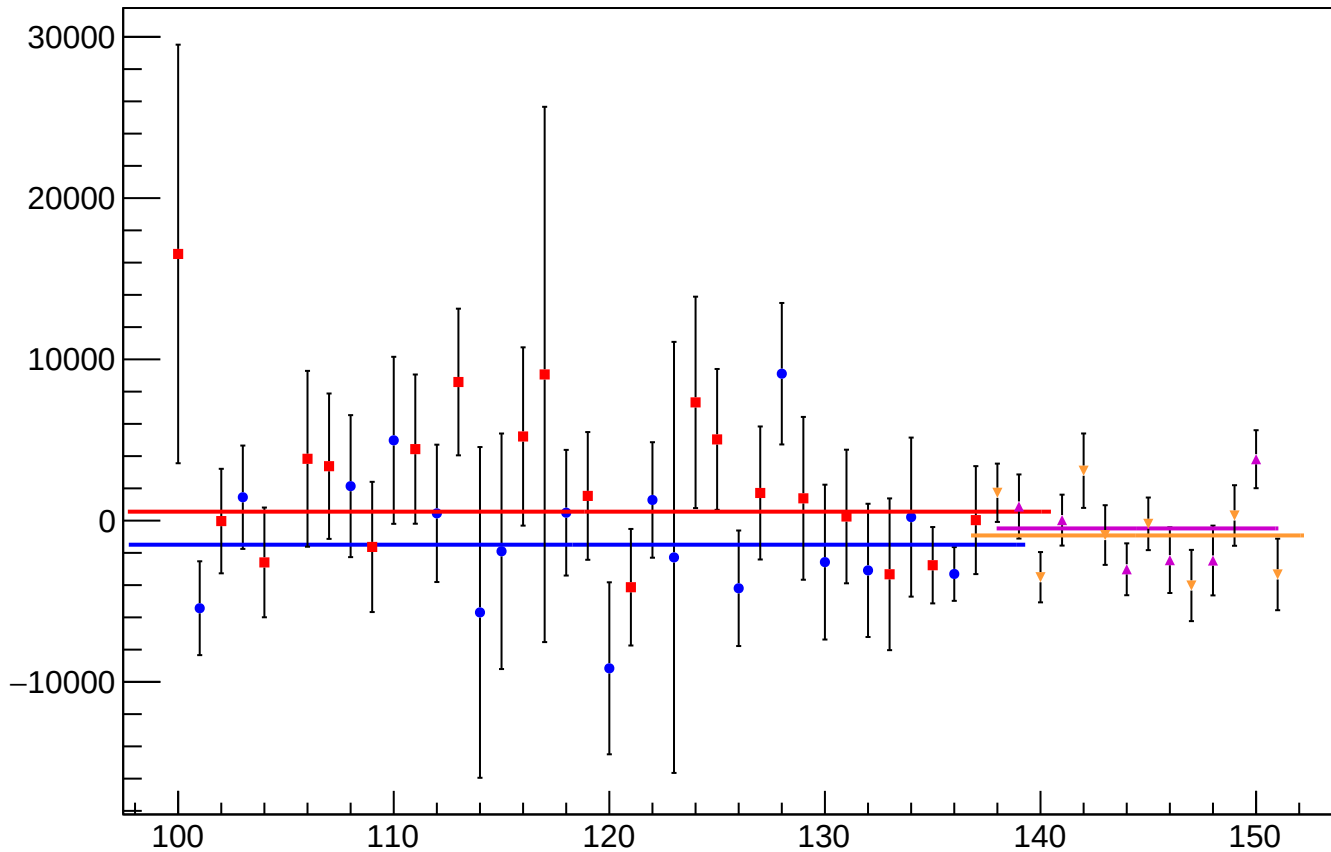
Left In: 198.681 $\pm$ 0.064 χ^2 /NDF:102562.6/5

194.753 $\pm$ 0.039 χ^2 /NDF: 245289.6/24

195.944 $\pm$ 0.028 χ^2 /NDF: 524152.5/50

197.210 $\pm$ 0.040 χ^2 /NDF: 276960.6/25

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: -918.966 $\pm$ 664.586 χ^2 /NDF:11.7/7

Right Out: 555.744 $\pm$ 933.239 χ^2 /NDF: 14.9/19

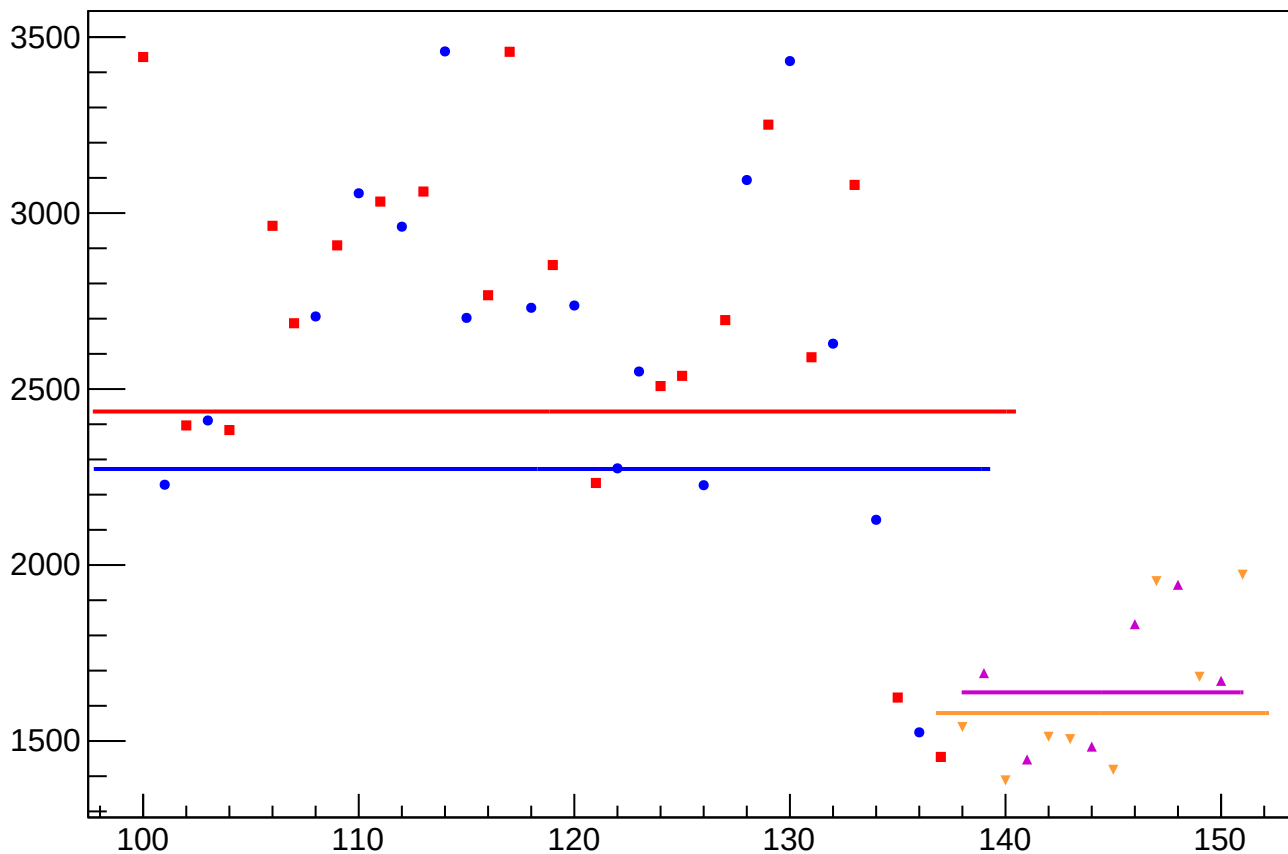
Left In: -484.168 $\pm$ 744.413 χ^2 /NDF:10.5/5

-1118.495 $\pm$ 536.868 χ^2 /NDF: 28.1/24

-640.931 $\pm$ 394.600 χ^2 /NDF: 56.0/50

-79.793 $\pm$ 581.951 χ^2 /NDF: 26.2/25

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 2272.883 $\pm$ 0.644 χ^2/NDF : 805650.3/16

Left Out: 1579.451 $\pm$ 0.470 χ^2/NDF : 181842.3/7

Right Out: 2436.191 $\pm$ 0.660 χ^2/NDF : 688391.3/19

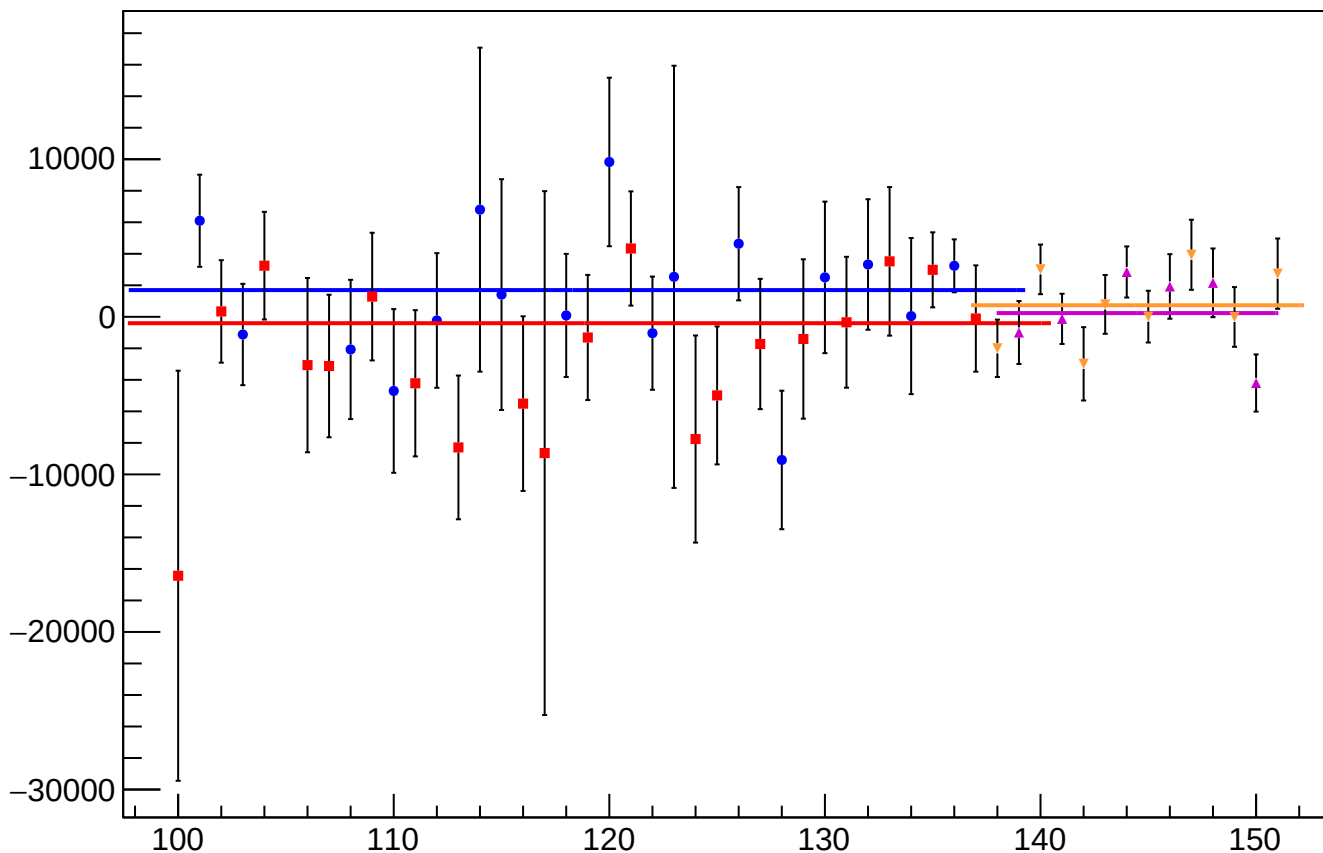
Left In: 1638.246 $\pm$ 0.526 χ^2/NDF : 107707.1/5

1820.364 $\pm$ 0.380 χ^2/NDF : 1743964.6/24

1879.291 $\pm$ 0.279 χ^2/NDF : 3486053.1/50

1948.530 $\pm$ 0.412 χ^2/NDF : 1689682.4/25

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1695.956+/-914.855 χ^2/NDF : 16.6/16

Left Out: 733.490+/-669.831 χ^2/NDF : 10.1/7

Right Out: -403.904+/-937.036 χ^2/NDF : 15.2/19

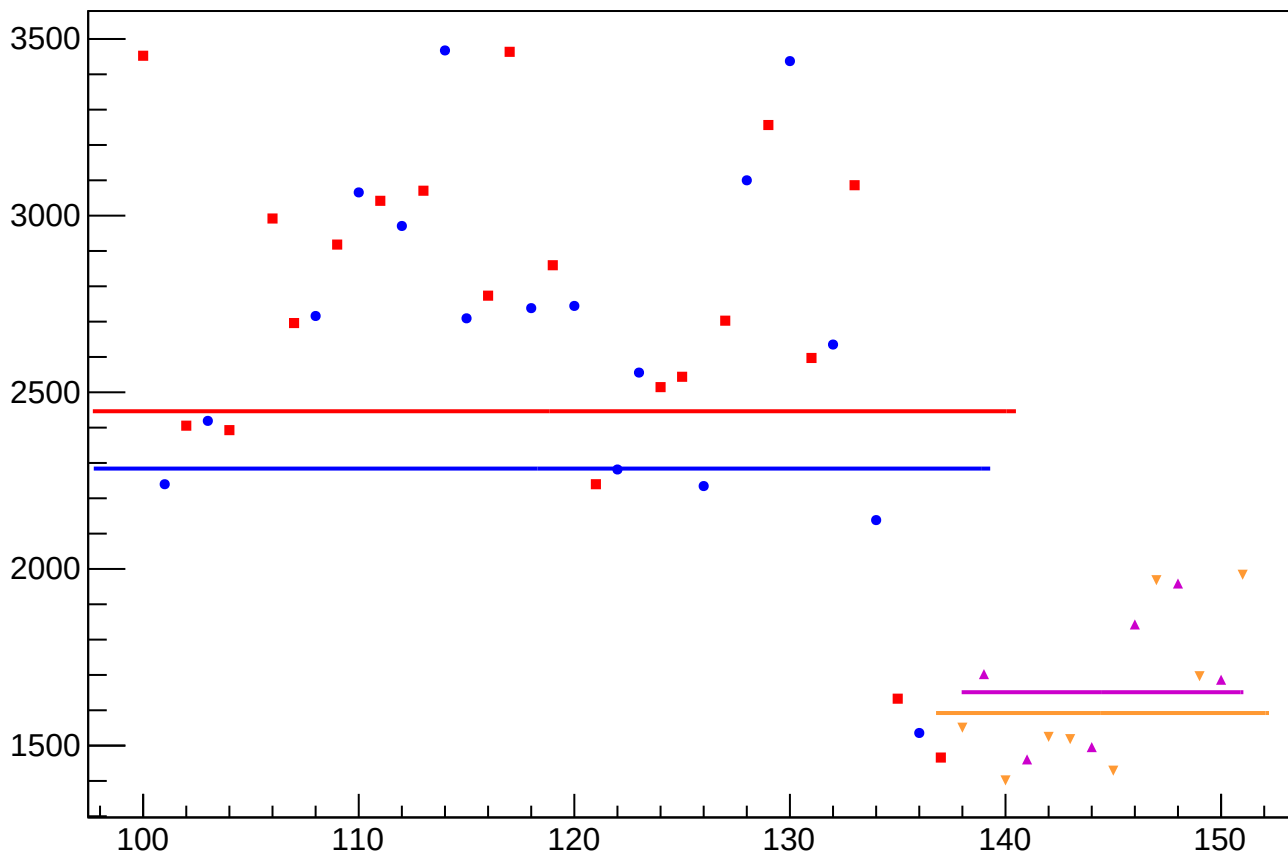
Left In: 236.927+/-750.178 χ^2/NDF : 10.5/5

1069.381+/-540.455 χ^2/NDF : 27.5/24

571.363+/-397.169 χ^2/NDF : 55.3/50

-13.377+/-585.623 χ^2/NDF : 26.0/25

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2284.104 $\pm$ 0.647 χ^2/NDF : 793993.4/16

Left Out: 1592.242 $\pm$ 0.474 χ^2/NDF : 179608.0/7

Right Out: 2446.366 $\pm$ 0.663 χ^2/NDF : 680413.3/19

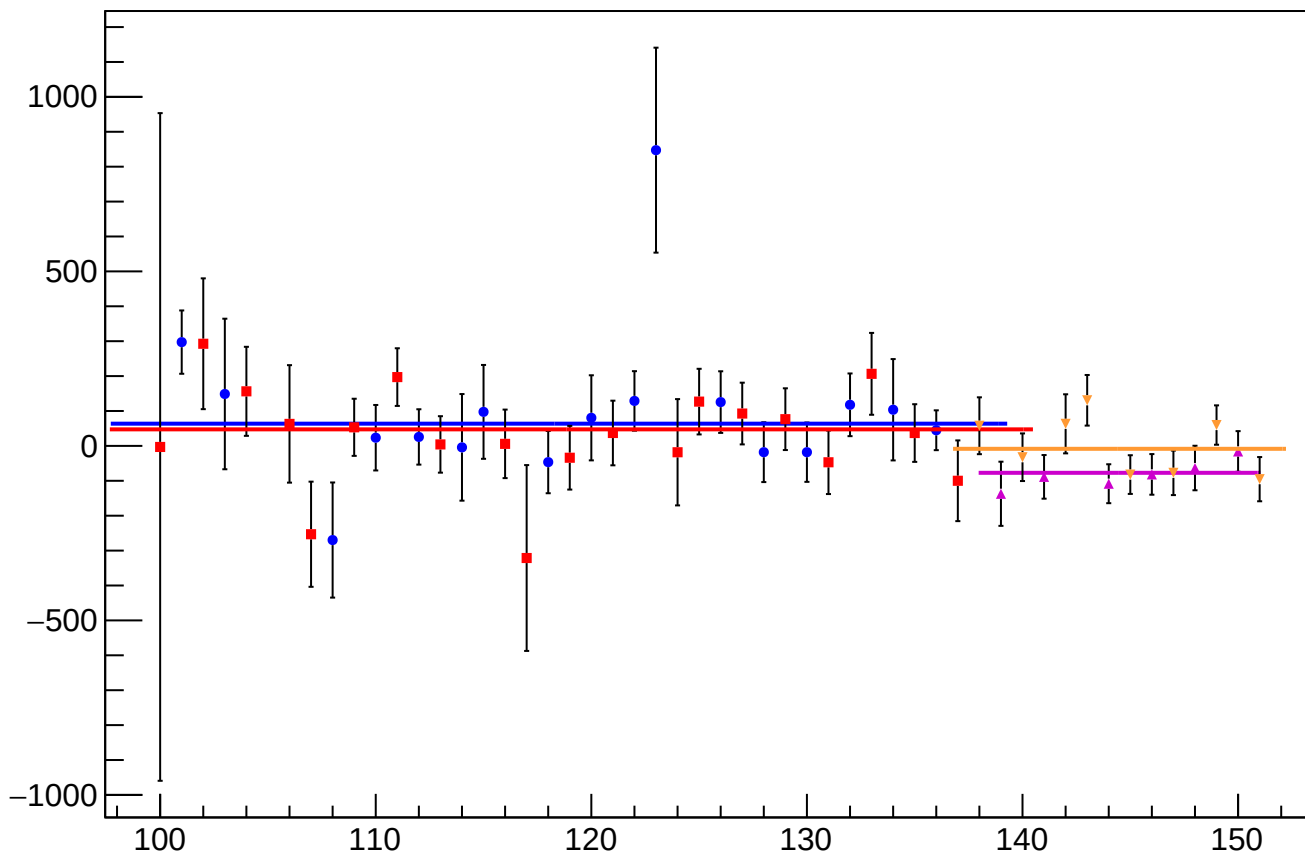
Left In: 1651.143 $\pm$ 0.530 χ^2/NDF : 106308.0/5

1833.695 $\pm$ 0.382 χ^2/NDF : 1718249.0/24

1892.595 $\pm$ 0.281 χ^2/NDF : 3434430.2/50

1961.751 $\pm$ 0.414 χ^2/NDF : 1664536.4/25

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 63.666 ± 23.743 χ^2/NDF : 23.7/16

Left Out: -8.366 ± 23.377 χ^2/NDF : 11.5/7

Right Out: 47.367 ± 23.568 χ^2/NDF : 18.7/19

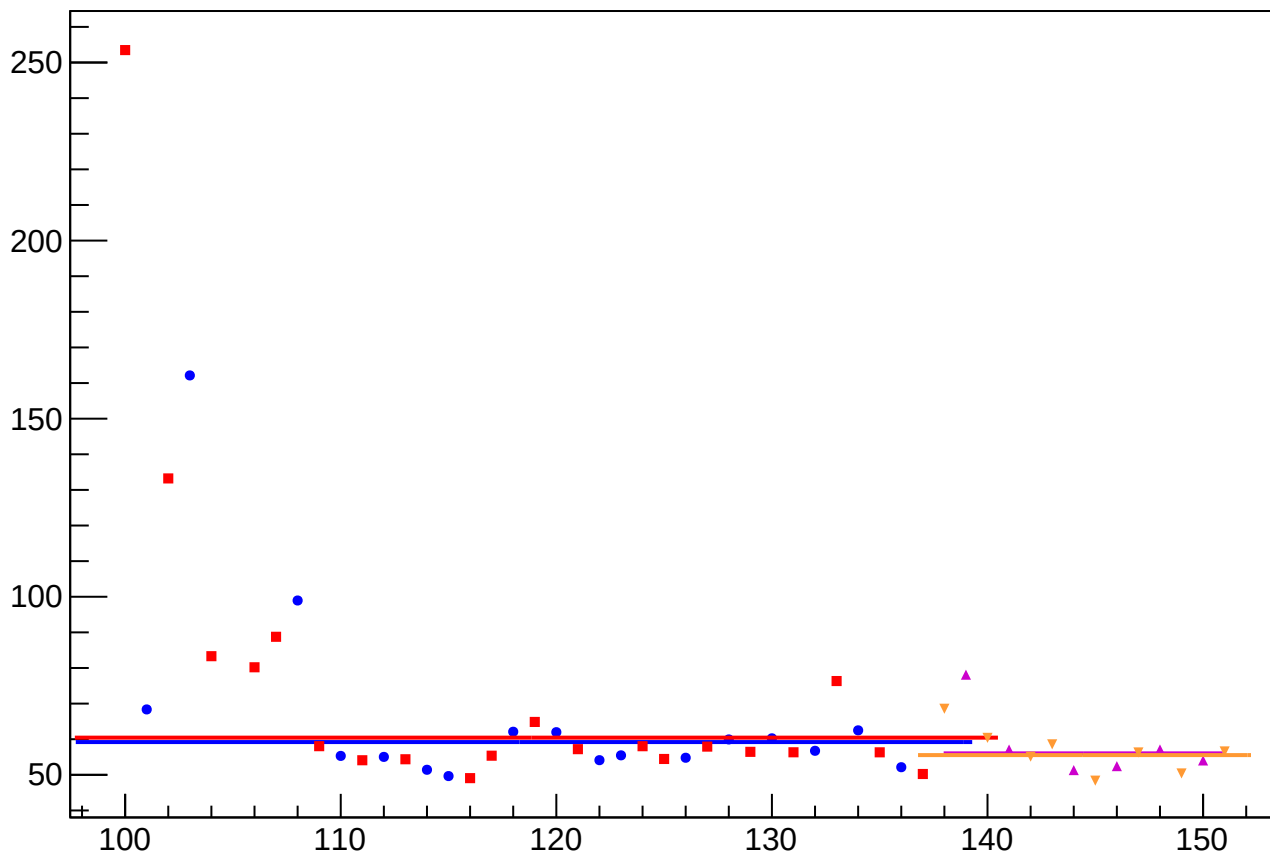
Left In: -77.139 ± 25.550 χ^2/NDF : 1.9/5

27.091 ± 16.658 χ^2/NDF : 39.8/24

9.335 ± 12.007 χ^2/NDF : 75.7/50

-9.870 ± 17.324 χ^2/NDF : 33.5/25

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 59.200+/-0.017 χ^2/NDF : 665472.4/16

Left Out: 55.542+/-0.017 χ^2/NDF : 115624.6/7

Right Out: 60.443+/-0.017 χ^2/NDF : 680790.3/19

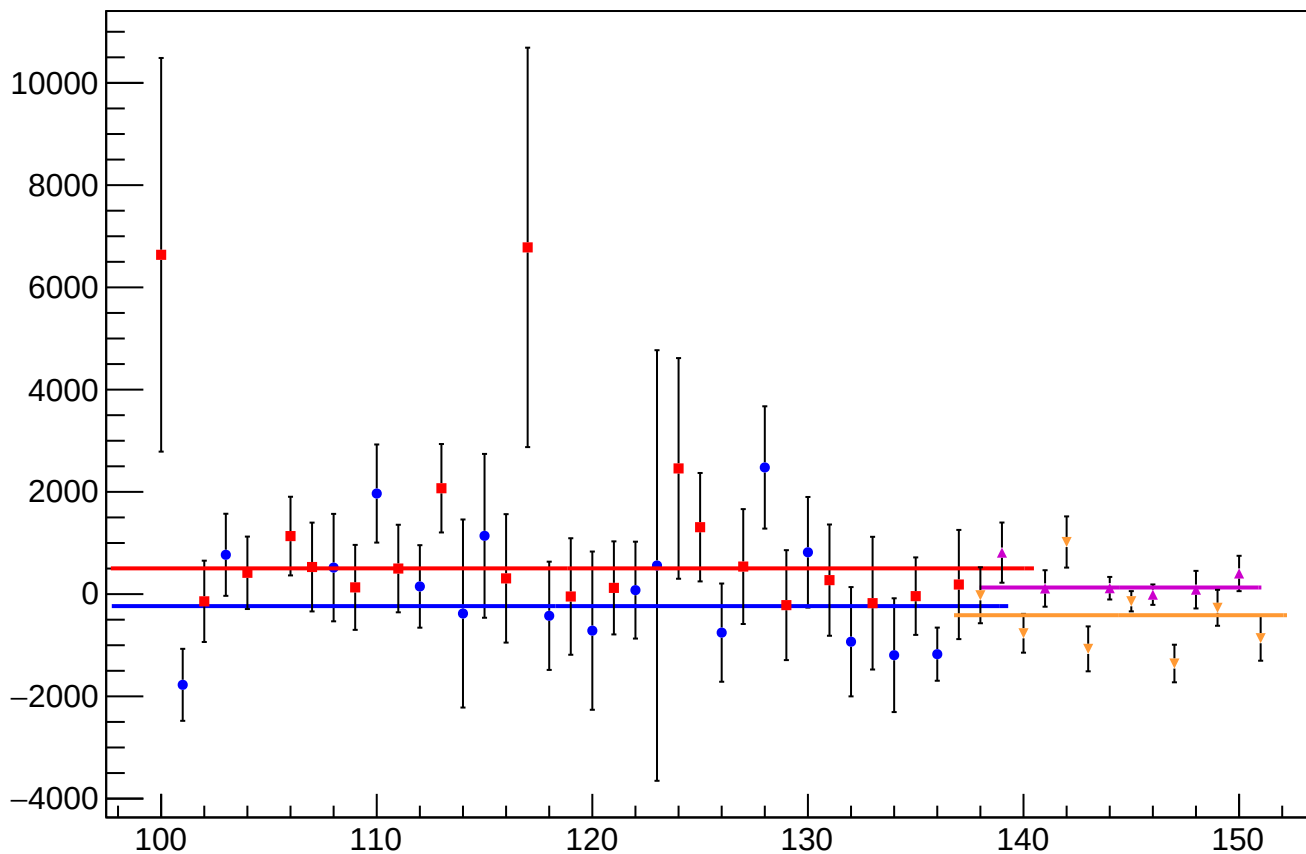
Left In: 56.032+/-0.018 χ^2/NDF : 140800.0/5

57.343+/-0.012 χ^2/NDF : 805202.9/24

57.858+/-0.008 χ^2/NDF : 1662983.8/50

58.415+/-0.012 χ^2/NDF : 853800.2/25

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: -412.632 ± 123.458 $\chi^2/\text{NDF}: 21.5/7$

Right Out: 503.638 ± 221.955 $\chi^2/\text{NDF}: 13.2/19$

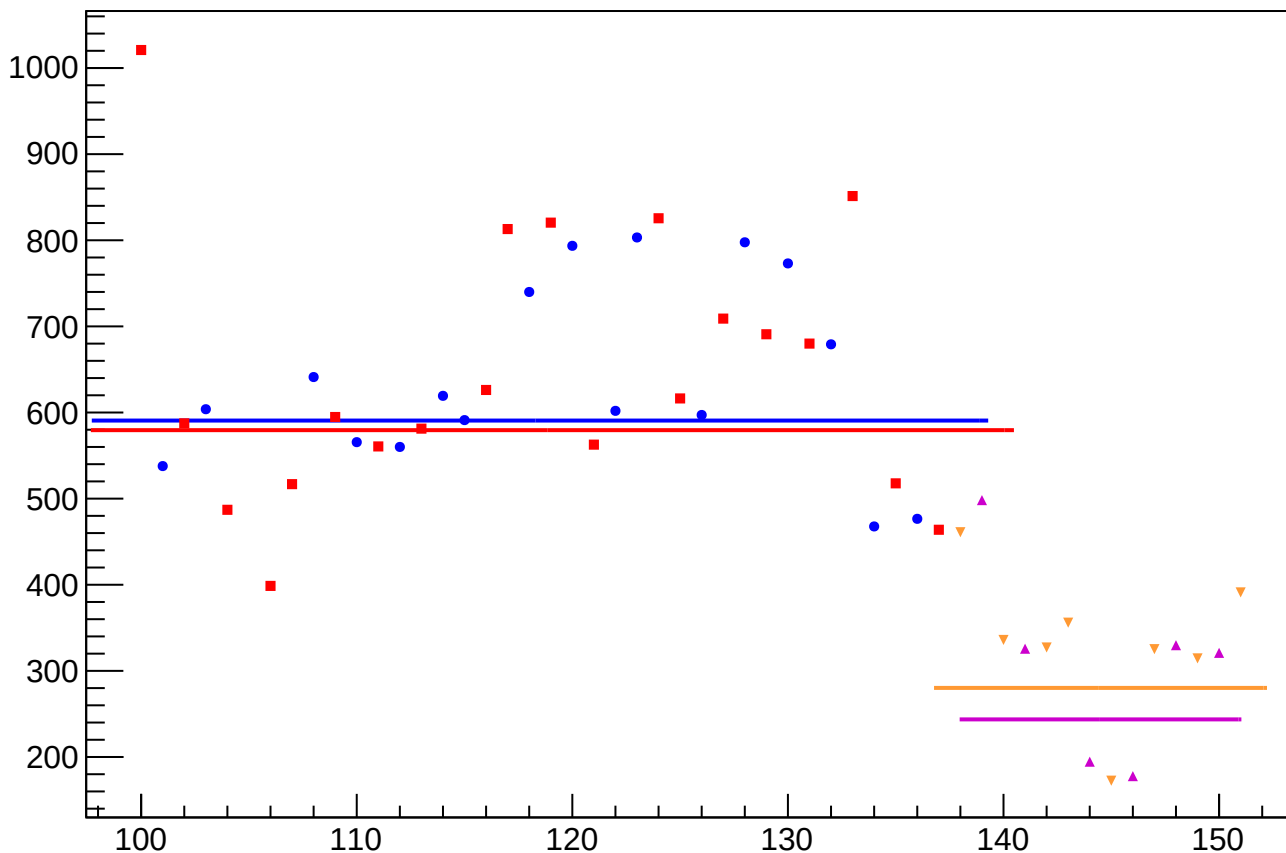
Left In: 129.432 ± 117.713 $\chi^2/\text{NDF}: 2.5/5$

-373.812 ± 109.180 $\chi^2/\text{NDF}: 46.1/24$

-66.881 ± 75.301 $\chi^2/\text{NDF}: 79.1/50$

211.579 ± 103.993 $\chi^2/\text{NDF}: 17.9/25$

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 590.659 $\pm$ 0.165 χ^2/NDF : 352080.1/16

Left Out: 280.222 $\pm$ 0.087 χ^2/NDF : 1106210.2/7

Right Out: 579.509 $\pm$ 0.157 χ^2/NDF : 501132.1/19

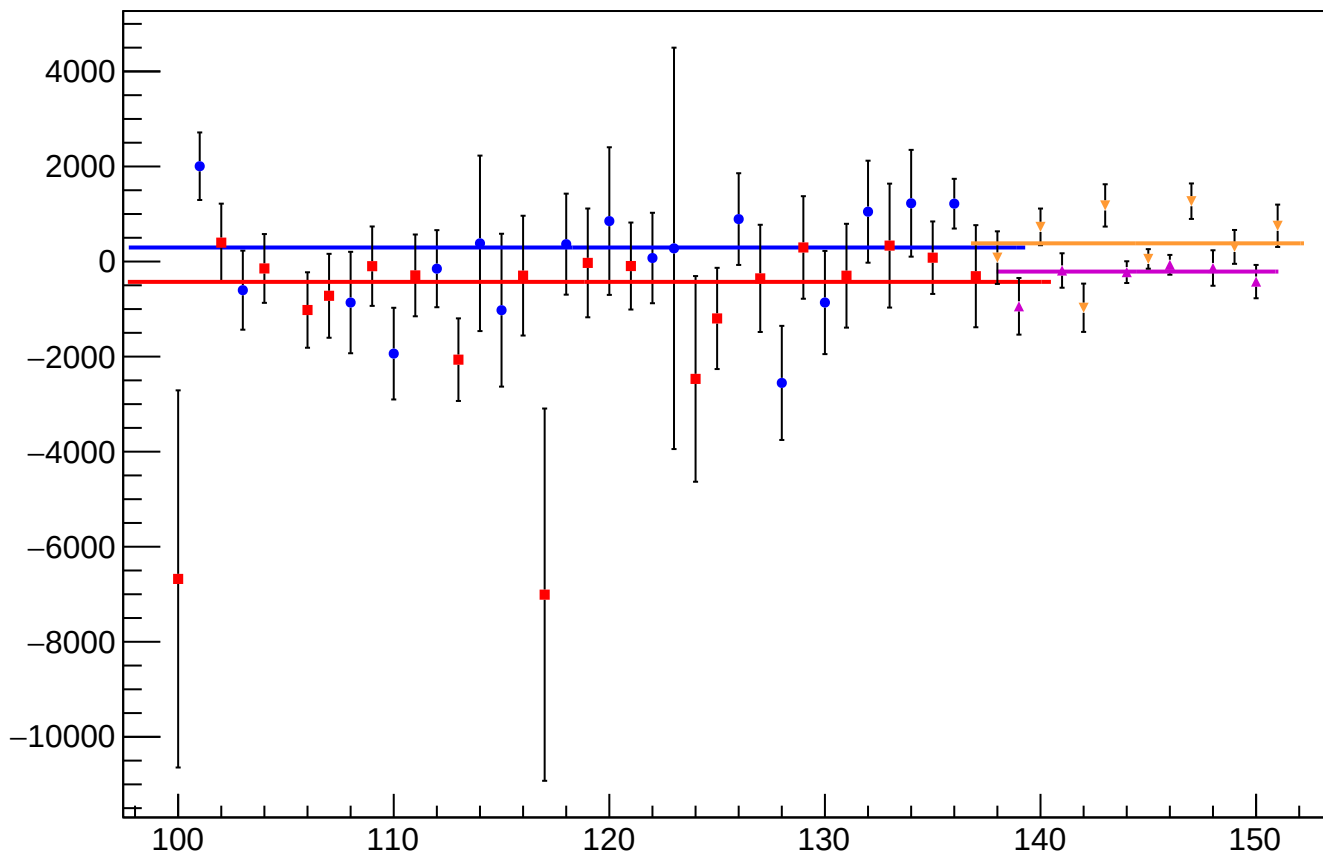
Left In: 243.656 $\pm$ 0.083 χ^2/NDF : 1006991.8/5

347.873 $\pm$ 0.077 χ^2/NDF : 4214052.1/24

331.887 $\pm$ 0.053 χ^2/NDF : 9378007.3/50

317.383 $\pm$ 0.074 χ^2/NDF : 5082175.4/25

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 295.401 ± 235.860 $\chi^2/\text{NDF}: 26.1/16$

Left Out: 382.948 ± 126.355 $\chi^2/\text{NDF}: 20.3/7$

Right Out: -427.853 ± 224.485 $\chi^2/\text{NDF}: 13.8/19$

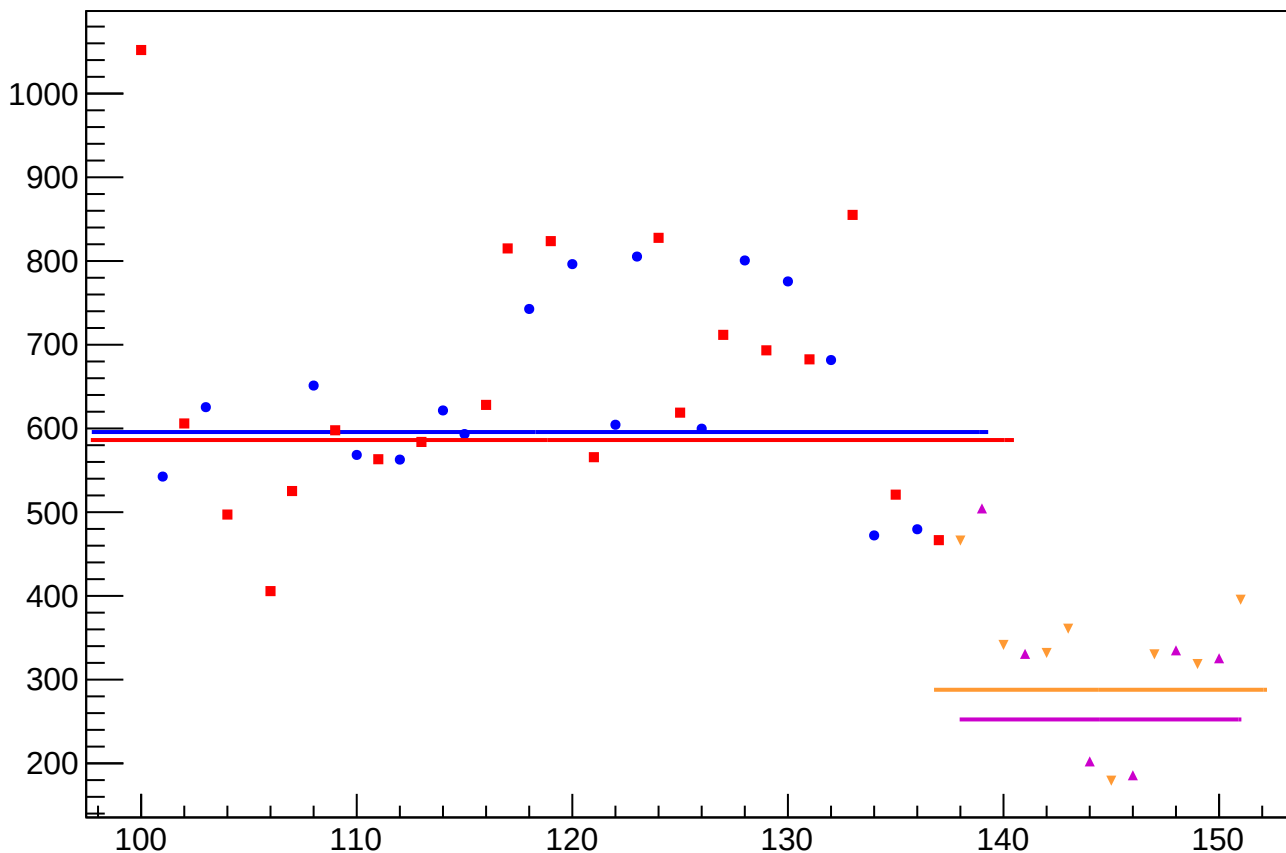
Left In: -211.221 ± 121.358 $\chi^2/\text{NDF}: 2.4/5$

363.425 ± 111.379 $\chi^2/\text{NDF}: 46.5/24$

38.395 ± 77.071 $\chi^2/\text{NDF}: 79.8/50$

-260.214 ± 106.756 $\chi^2/\text{NDF}: 16.9/25$

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 595.734 +/- 0.167 χ^2/NDF : 350058.2/16

Left Out: 287.893 +/- 0.089 χ^2/NDF : 1028990.2/7

Right Out: 586.176 +/- 0.159 χ^2/NDF : 481325.4/19

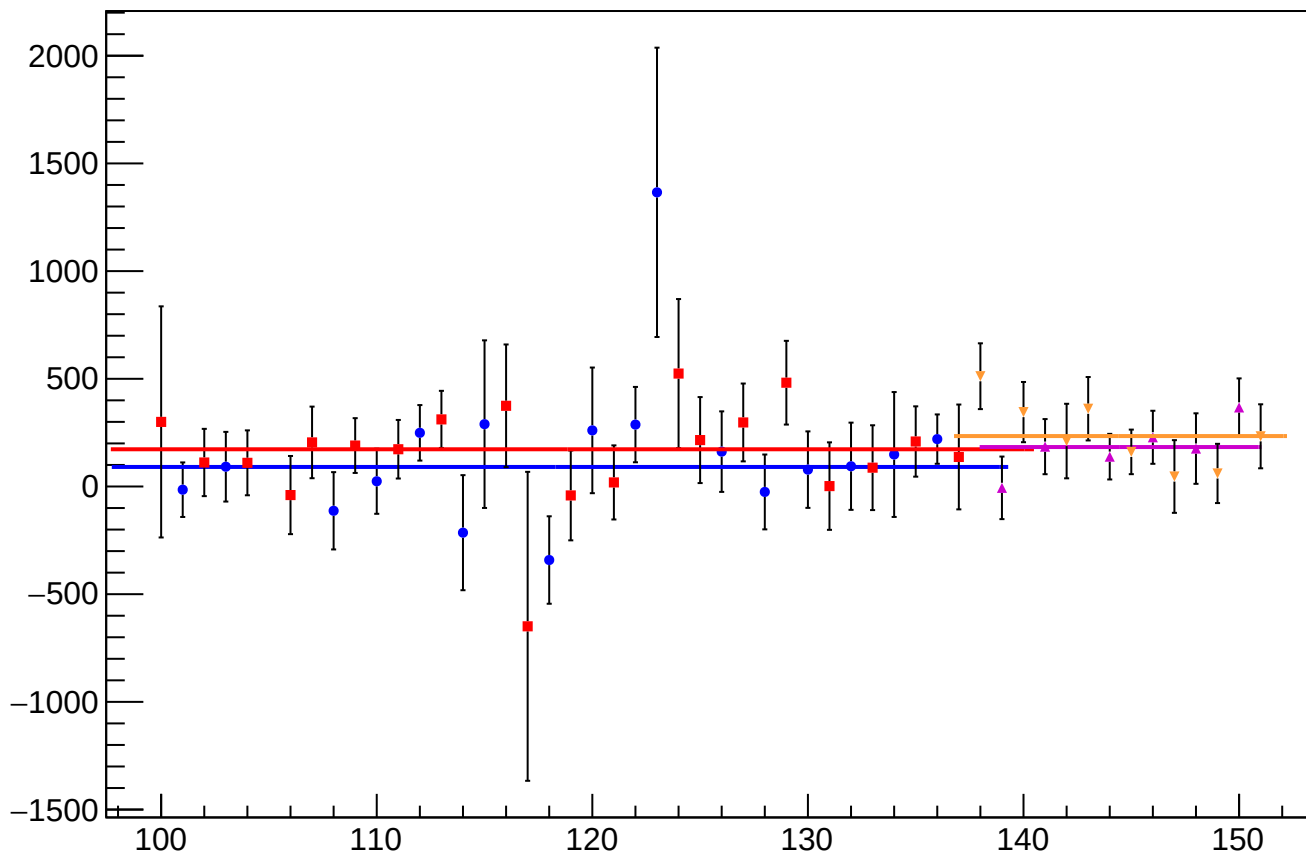
Left In: 252.431 +/- 0.086 χ^2/NDF : 936744.8/5

356.541 +/- 0.079 χ^2/NDF : 4026293.1/24

341.619 +/- 0.054 χ^2/NDF : 8934119.6/50

327.910 +/- 0.075 χ^2/NDF : 4838949.0/25

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 90.711 $\pm$ 43.312 χ^2/NDF : 16.9/16

Left Out: 234.117 $\pm$ 49.987 χ^2/NDF : 8.0/7

Right Out: 172.786 $\pm$ 41.033 χ^2/NDF : 11.6/19

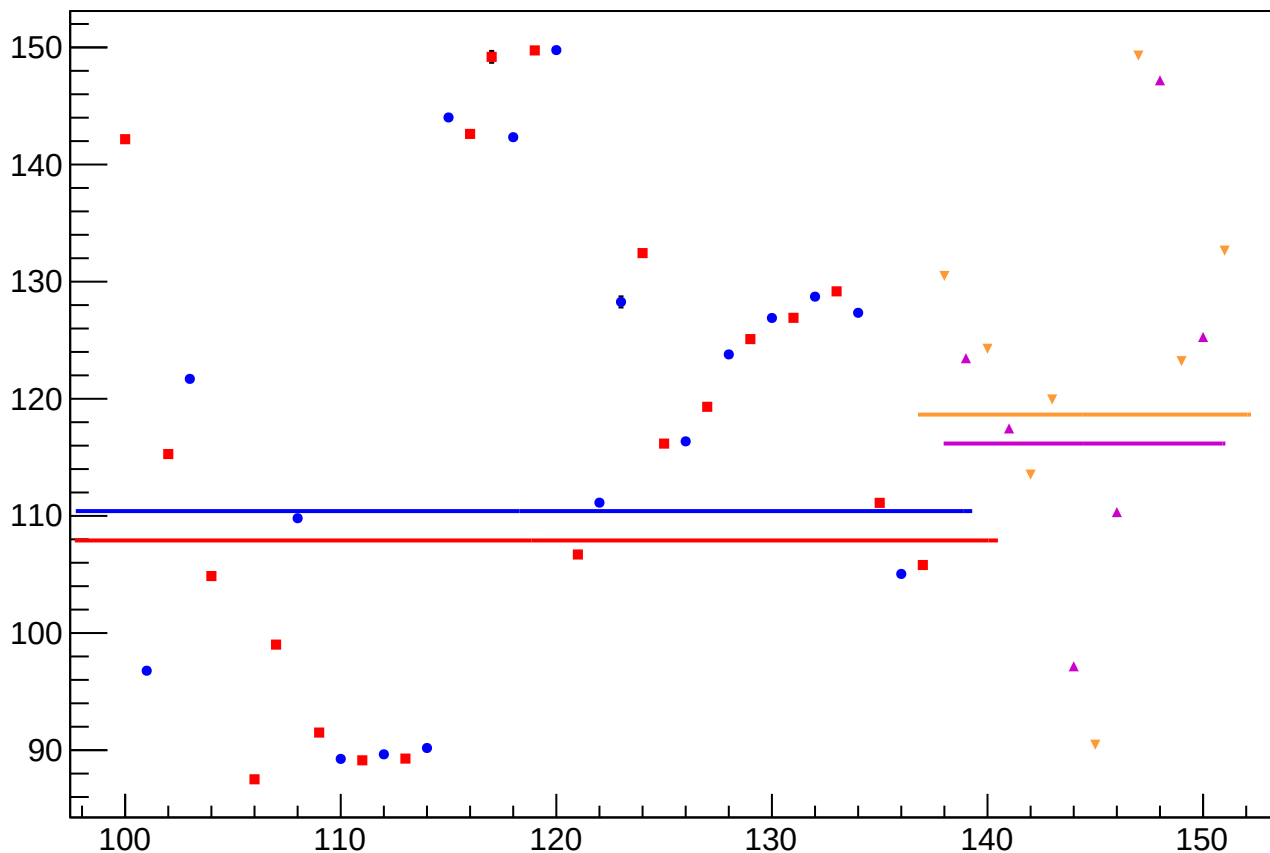
Left In: 183.164 $\pm$ 52.998 χ^2/NDF : 3.9/5

152.208 $\pm$ 32.734 χ^2/NDF : 29.6/24

164.550 $\pm$ 23.044 χ^2/NDF : 45.5/50

176.675 $\pm$ 32.445 χ^2/NDF : 15.5/25

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 110.411 $\pm$ 0.031 χ^2/NDF : 296425.4/16

Left Out: 118.653 $\pm$ 0.035 χ^2/NDF : 251543.4/7

Right Out: 107.903 $\pm$ 0.029 χ^2/NDF : 351091.4/19

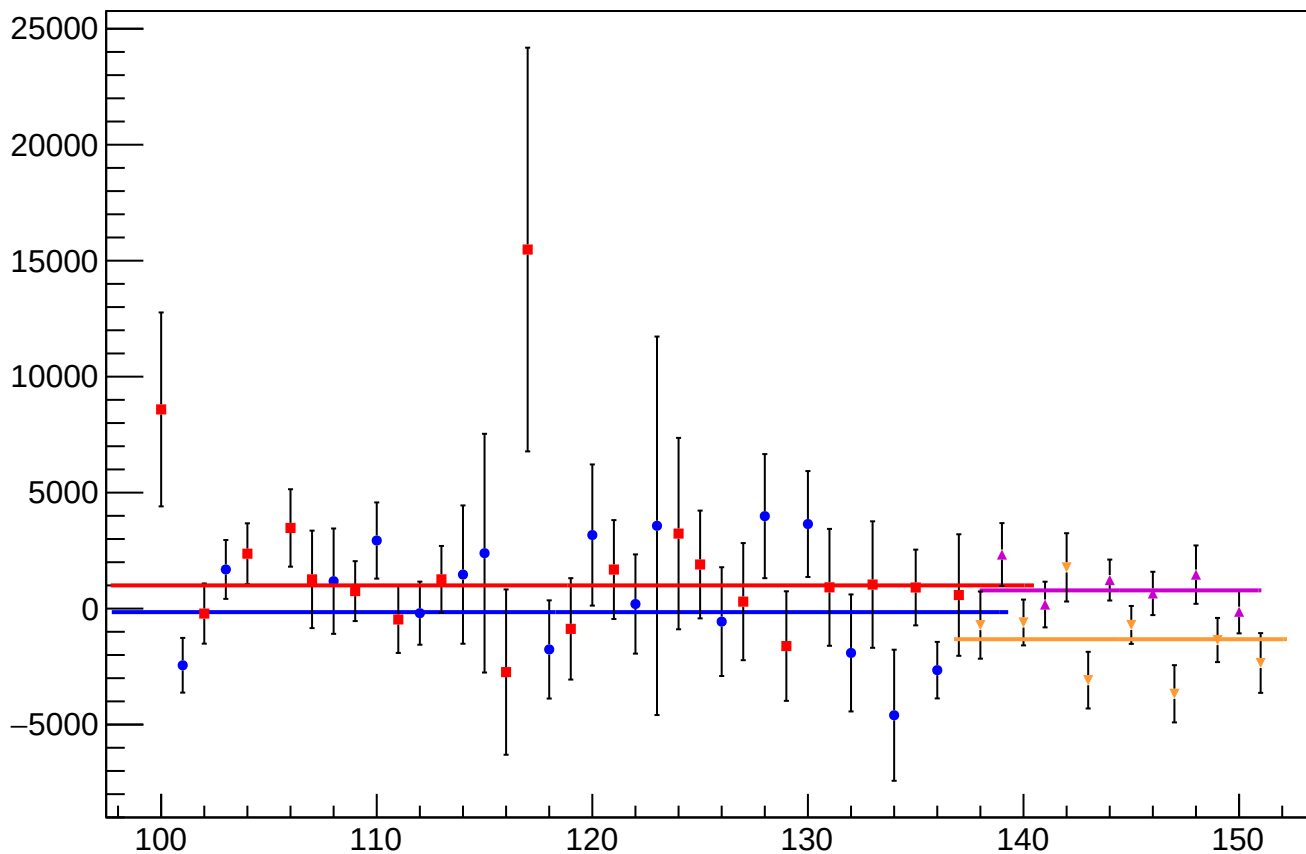
Left In: 116.179 $\pm$ 0.037 χ^2/NDF : 155220.5/5

113.945 $\pm$ 0.023 χ^2/NDF : 579019.5/24

112.462 $\pm$ 0.016 χ^2/NDF : 1123960.0/50

111.005 $\pm$ 0.023 χ^2/NDF : 536799.7/25

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -152.403+/-464.753 χ^2/NDF : 24.7/16

Left Out: -1320.310+/-392.448 χ^2/NDF : 12.1/7

Right Out: 1000.907+/-434.569 χ^2/NDF : 15.1/19

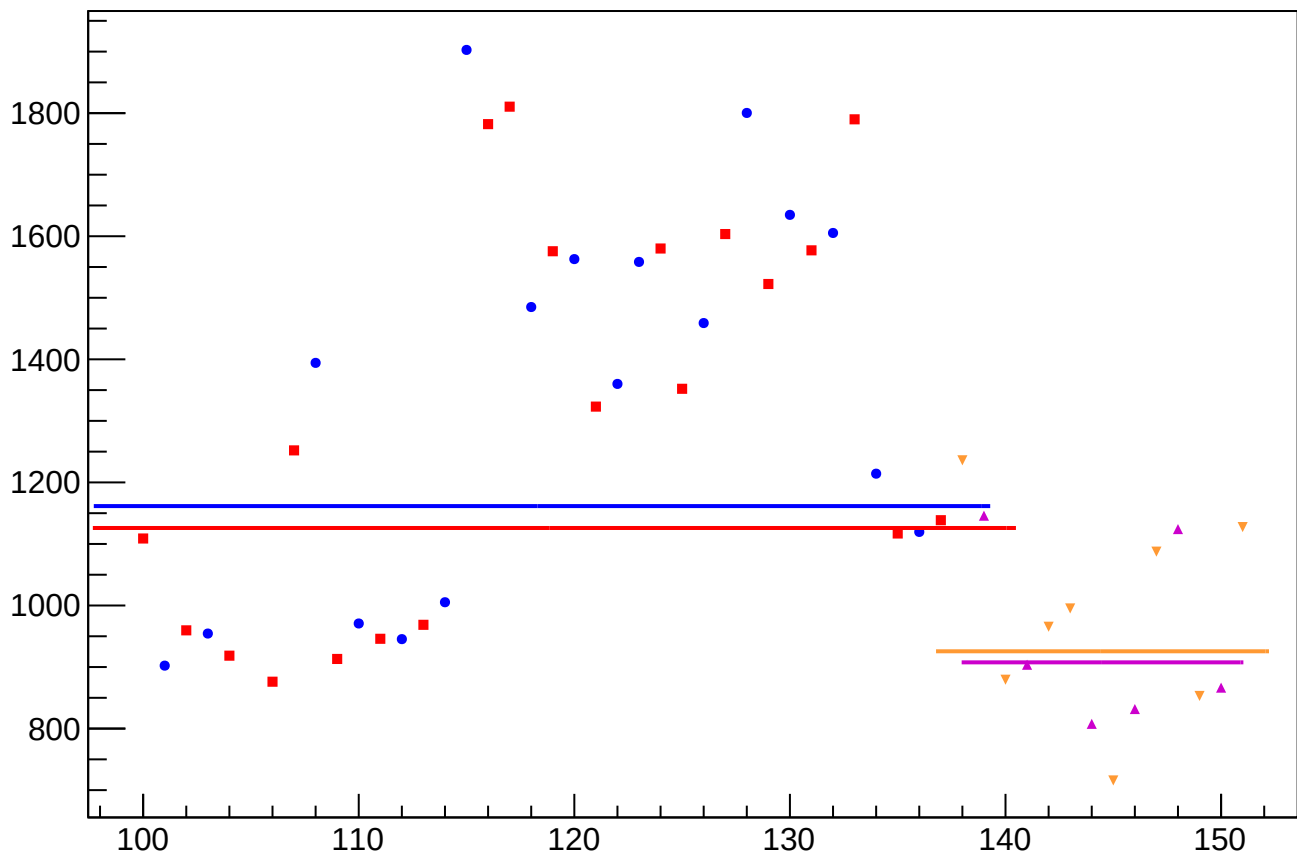
Left In: 785.472+/-415.728 χ^2/NDF : 3.2/5

-834.173+/-299.845 χ^2/NDF : 40.4/24

25.519+/-212.220 χ^2/NDF : 75.3/50

888.418+/-300.404 χ^2/NDF : 18.4/25

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: 925.588 $\pm$ 0.278 χ^2 /NDF: 331079.8/7

Right Out: 1125.946 $\pm$ 0.307 χ^2 /NDF: 780195.3/19

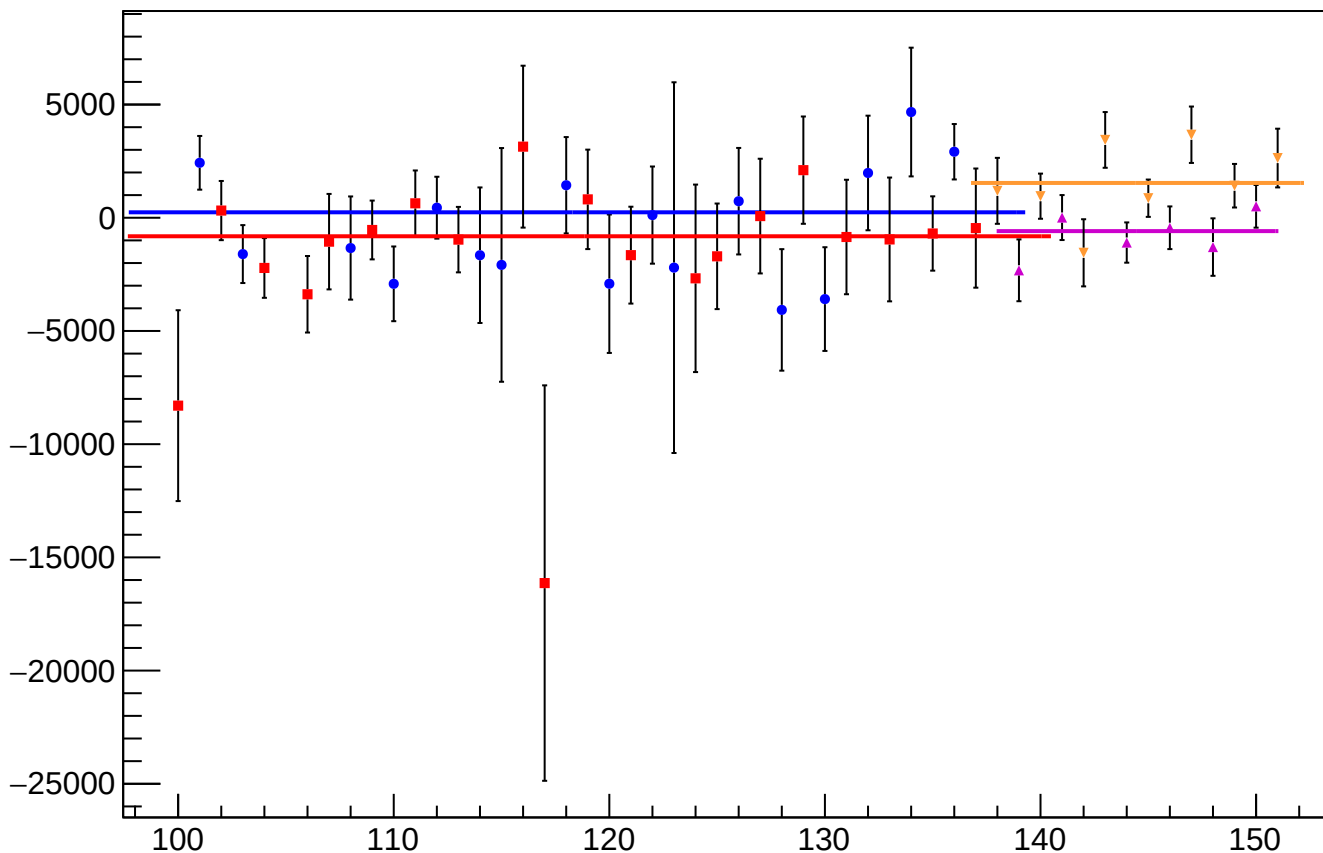
Left In: 907.616 $\pm$ 0.294 χ^2 /NDF: 163681.2/5

1023.798 $\pm$ 0.212 χ^2 /NDF: 1327889.9/24

1017.883 $\pm$ 0.150 χ^2 /NDF: 2536917.7/50

1011.945 $\pm$ 0.212 χ^2 /NDF: 1207468.2/25

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 240.732 $\pm$ 467.036 χ^2 /NDF: 24.8/16

Left Out: 1537.415 $\pm$ 395.802 χ^2 /NDF: 11.4/7

Right Out: -817.635 $\pm$ 436.939 χ^2 /NDF: 15.4/19

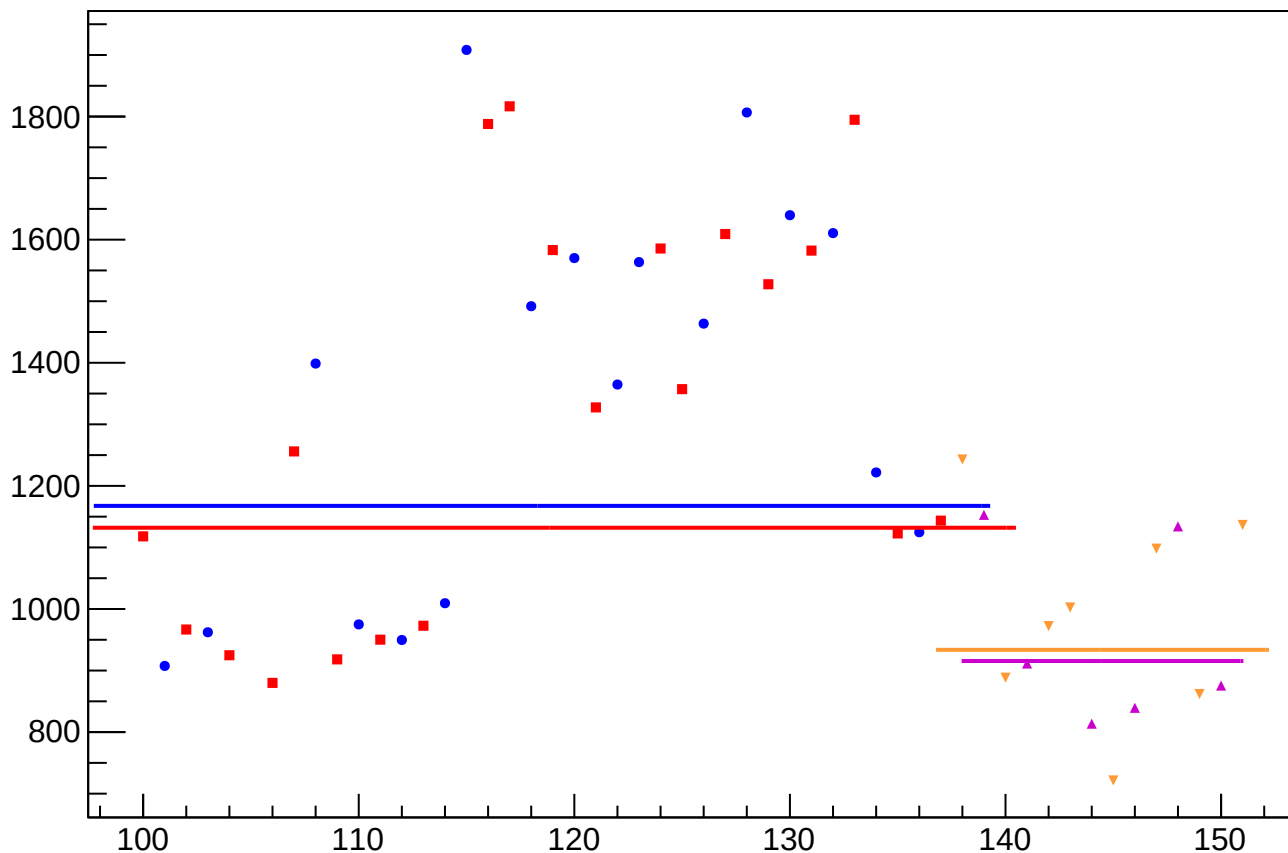
Left In: -589.857 $\pm$ 419.272 χ^2 /NDF: 4.0/5

995.399 $\pm$ 301.953 χ^2 /NDF: 40.8/24

149.774 $\pm$ 213.714 χ^2 /NDF: 76.0/50

-699.048 $\pm$ 302.523 χ^2 /NDF: 19.5/25

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1167.539 $\pm$ 0.330 χ^2/NDF : 690485.6/16

Left Out: 933.667 $\pm$ 0.280 χ^2/NDF : 329296.7/7

Right Out: 1132.019 $\pm$ 0.309 χ^2/NDF : 773827.8/19

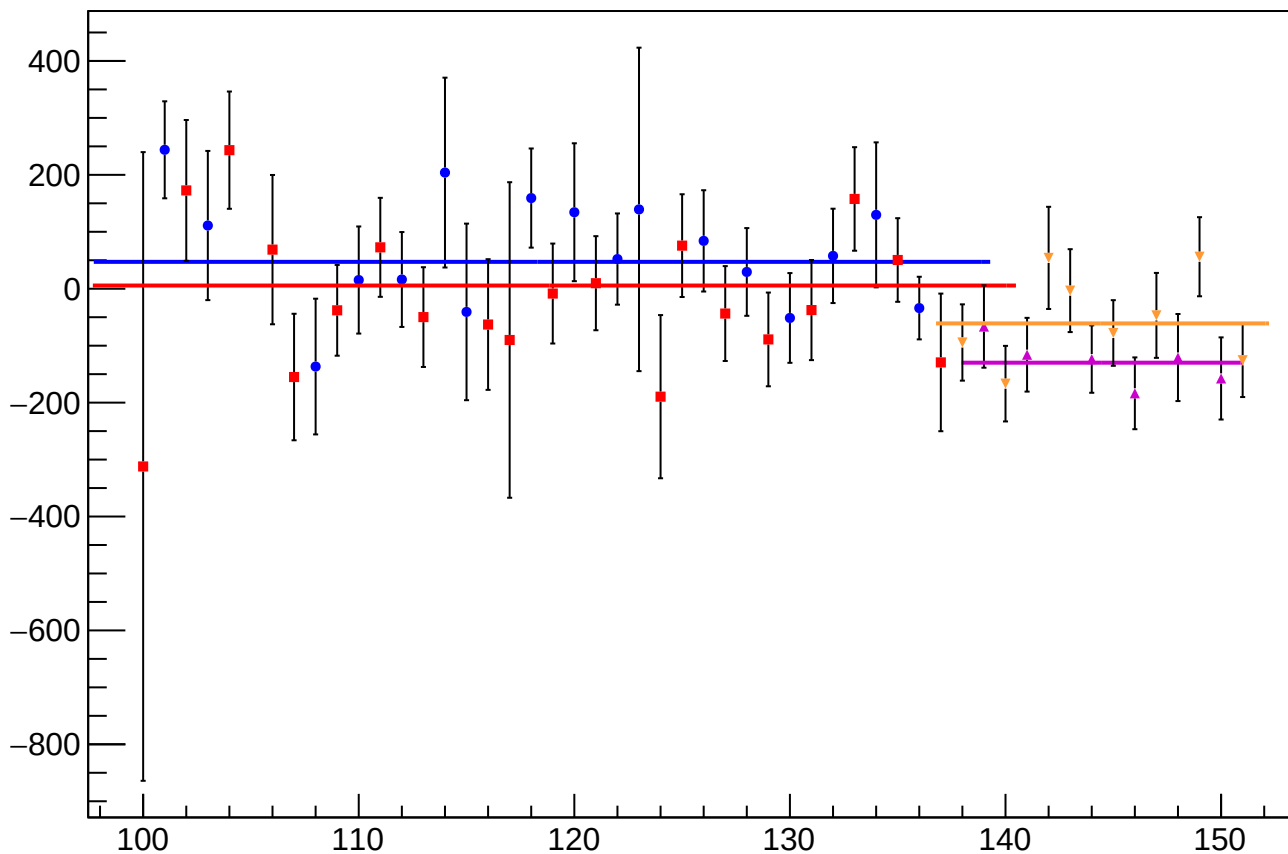
Left In: 915.484 $\pm$ 0.296 χ^2/NDF : 162811.7/5

1031.426 $\pm$ 0.214 χ^2/NDF : 1311663.7/24

1025.367 $\pm$ 0.151 χ^2/NDF : 2505638.7/50

1019.286 $\pm$ 0.214 χ^2/NDF : 1192361.6/25

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: -60.904 $\pm$ 24.325 χ^2 /NDF:9.0/7

Right Out: 5.636 $\pm$ 22.057 χ^2 /NDF: 20.4/19

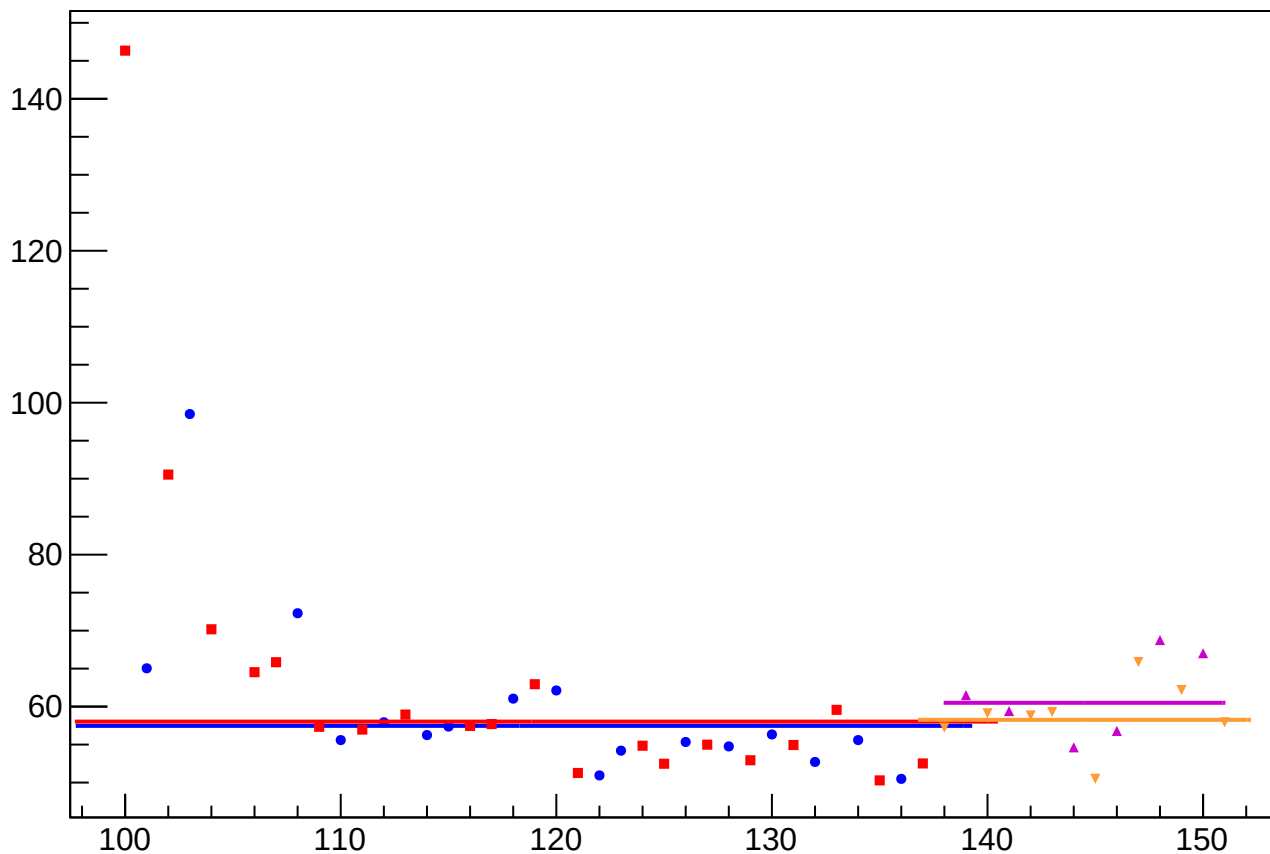
Left In: -129.862 $\pm$ 27.411 χ^2 /NDF:1.7/5

-2.789 $\pm$ 16.543 χ^2 /NDF: 35.7/24

-24.352 $\pm$ 11.918 χ^2 /NDF: 76.2/50

-47.619 $\pm$ 17.184 χ^2 /NDF: 36.9/25

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 $\pm$ 0.017 χ^2 /NDF: 64800.0/7

Right Out: 58.025 $\pm$ 0.016 χ^2 /NDF: 300790.9/19

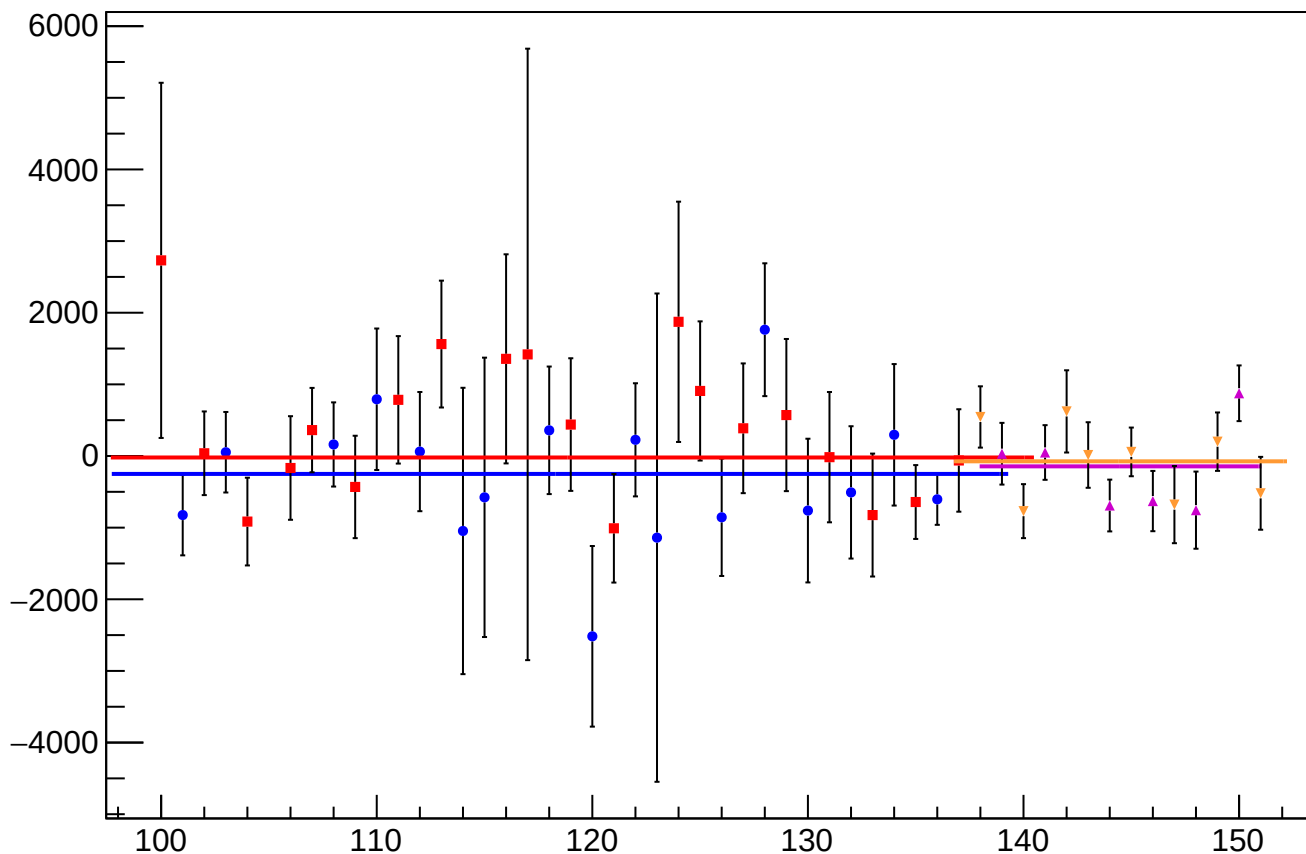
Left In: 60.500 $\pm$ 0.019 χ^2 /NDF: 67230.8/5

57.832 $\pm$ 0.012 χ^2 /NDF: 373094.8/24

58.392 $\pm$ 0.008 χ^2 /NDF: 755795.1/50

58.998 $\pm$ 0.012 χ^2 /NDF: 377919.0/25

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: -74.173+/-153.737 χ^2 /NDF: 9.6/7

Right Out: -20.701+/-181.669 χ^2 /NDF: 16.2/19

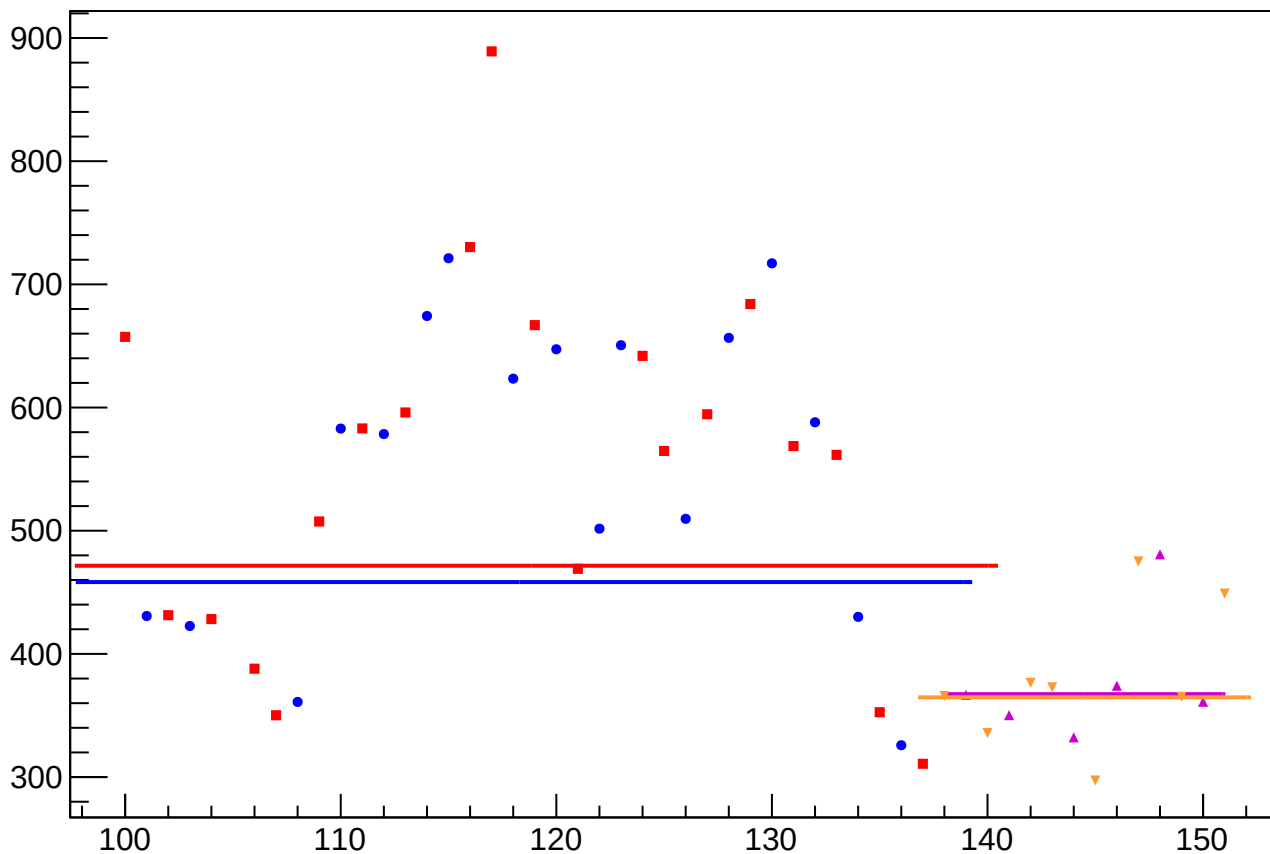
Left In: -144.567+/-167.509 χ^2 /NDF: 12.2/5

-146.472+/-118.001 χ^2 /NDF: 24.5/24

-118.316+/-85.201 χ^2 /NDF: 53.2/50

-87.649+/-123.149 χ^2 /NDF: 28.6/25

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: 364.725 $\pm$ 0.109 χ^2 /NDF: 231051.6/7

Right Out: 471.585 $\pm$ 0.128 χ^2 /NDF: 797816.0/19

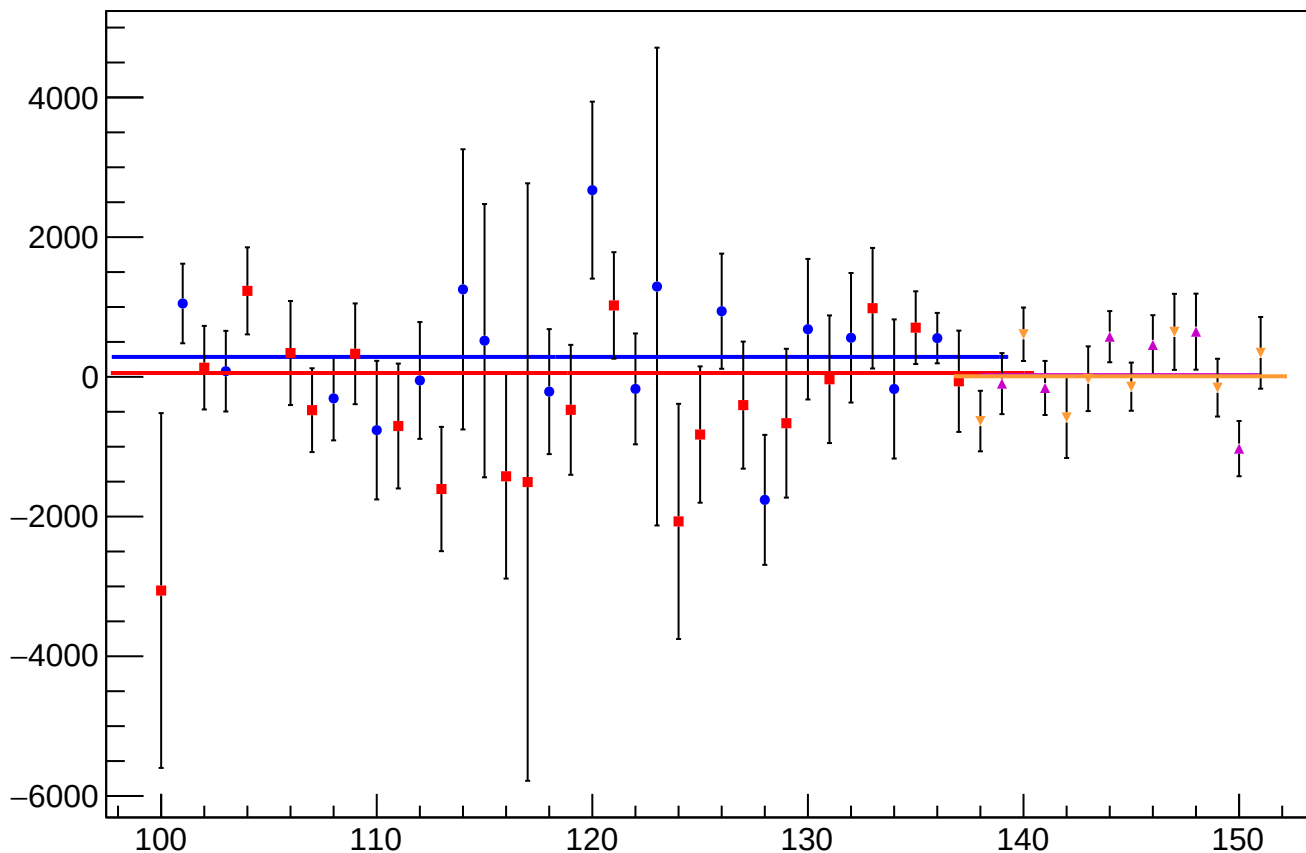
Left In: 367.344 $\pm$ 0.118 χ^2 /NDF: 112823.2/5

403.182 $\pm$ 0.083 χ^2 /NDF: 1412841.8/24

408.956 $\pm$ 0.060 χ^2 /NDF: 2689388.3/50

415.244 $\pm$ 0.087 χ^2 /NDF: 1266543.5/25

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: 8.194 $\pm$ 155.764 χ^2 /NDF: 7.8/7

Right Out: 55.109 $\pm$ 183.903 χ^2 /NDF: 19.3/19

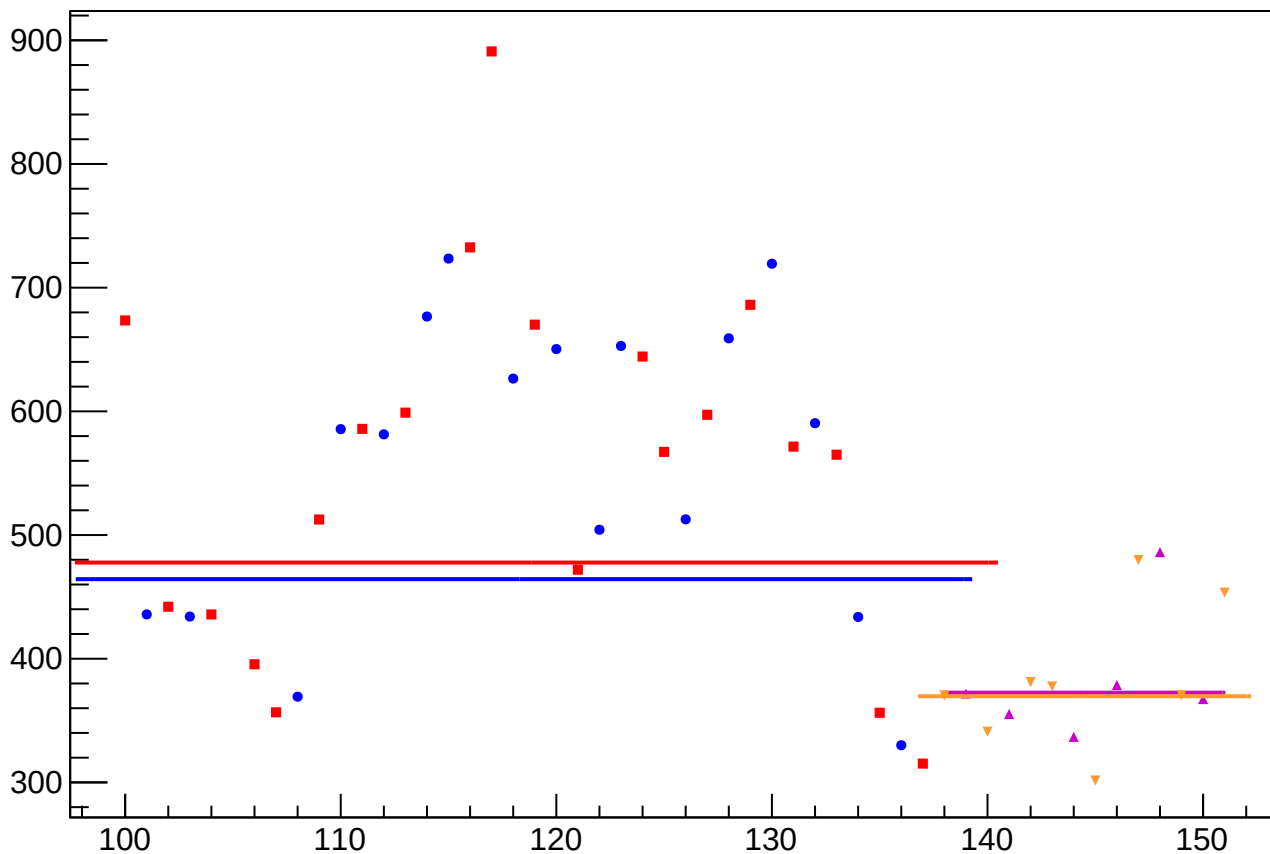
Left In: 24.676 $\pm$ 169.842 χ^2 /NDF: 12.0/5

122.254 $\pm$ 119.489 χ^2 /NDF: 24.3/24

82.276 $\pm$ 86.299 χ^2 /NDF: 55.9/50

38.685 $\pm$ 124.772 χ^2 /NDF: 31.3/25

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: 369.662 $\pm$ 0.110 χ^2/NDF : 225916.4/7

Right Out: 477.754 $\pm$ 0.130 χ^2/NDF : 768041.0/19

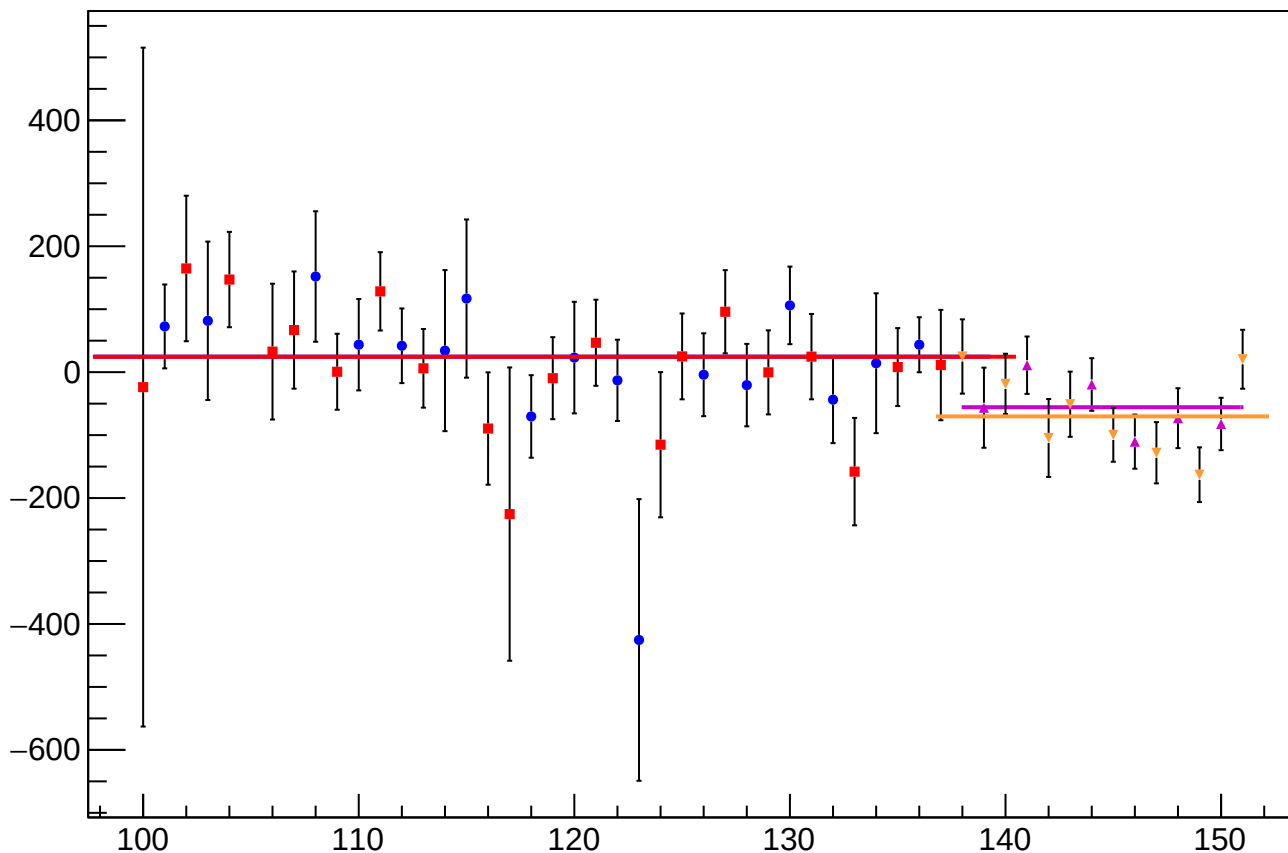
Left In: 372.551 $\pm$ 0.120 χ^2/NDF : 110934.1/5

408.626 $\pm$ 0.084 χ^2/NDF : 1375909.8/24

414.535 $\pm$ 0.061 χ^2/NDF : 2618333.1/50

420.978 $\pm$ 0.088 χ^2/NDF : 1232199.6/25

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: -70.278 $\pm$ 17.375 χ^2 /NDF:14.4/7

Right Out: 24.491 $\pm$ 17.338 χ^2 /NDF: 18.0/19

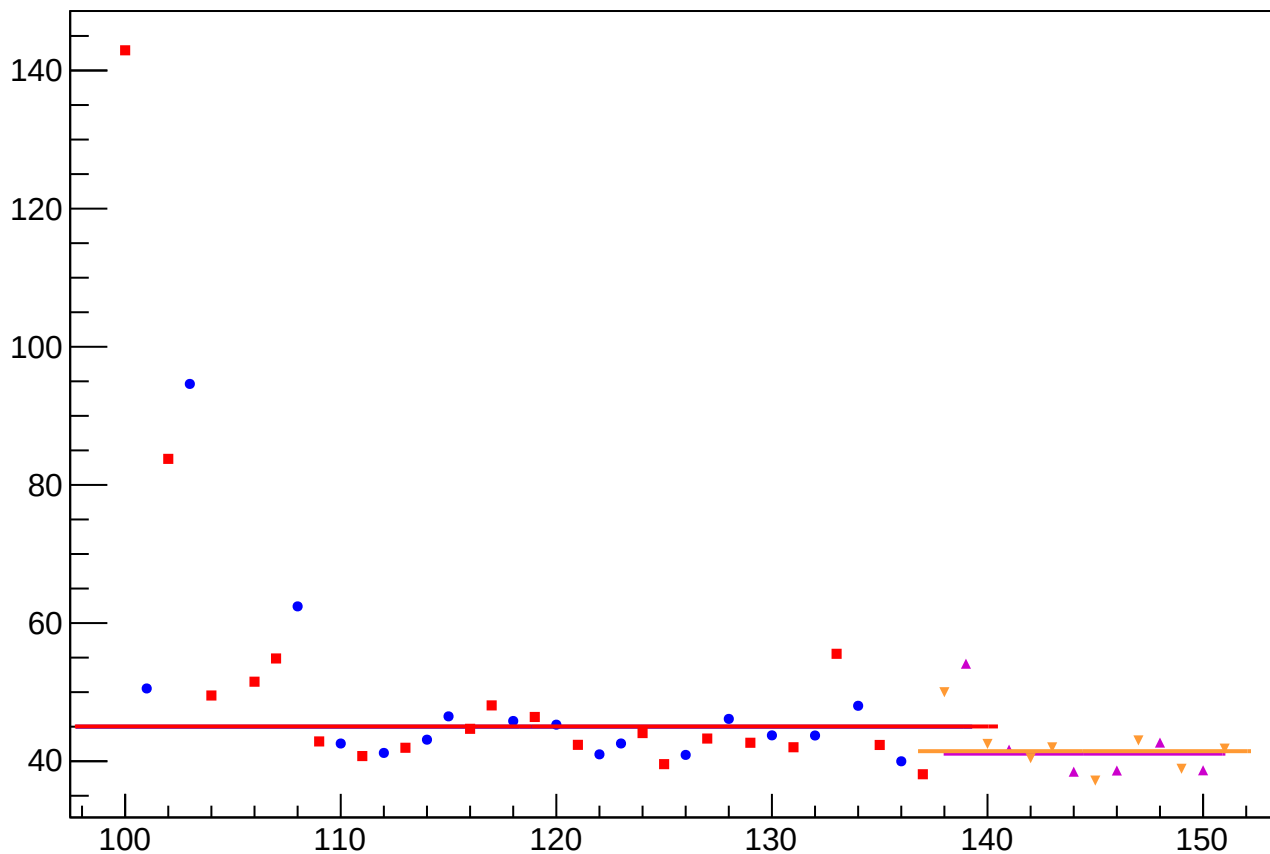
Left In: -55.682 $\pm$ 18.692 χ^2 /NDF:5.1/5

-24.097 $\pm$ 12.447 χ^2 /NDF: 41.9/24

-18.463 $\pm$ 8.893 χ^2 /NDF: 75.2/50

-12.586 $\pm$ 12.712 χ^2 /NDF: 32.9/25

reg_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 45.001+/-0.013 χ^2/NDF : 438352.8/16

Left Out: 41.454+/-0.012 χ^2/NDF : 72455.2/7

Right Out: 45.034+/-0.012 χ^2/NDF : 415853.3/19

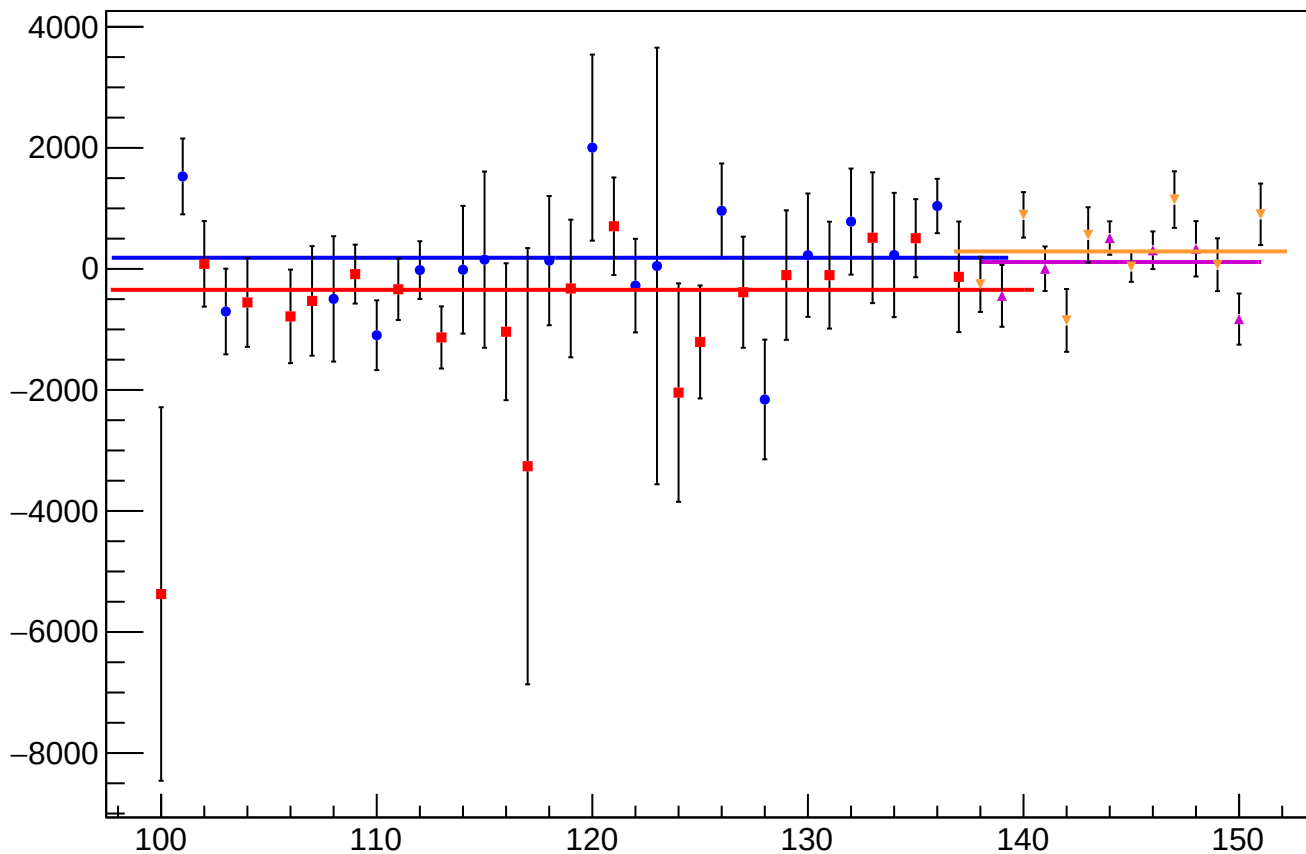
Left In: 41.096+/-0.013 χ^2/NDF : 107339.3/5

43.181+/-0.009 χ^2/NDF : 551388.5/24

43.197+/-0.006 χ^2/NDF : 1122295.0/50

43.213+/-0.009 χ^2/NDF : 570900.0/25

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: 288.809 $\pm$ 141.861 χ^2 /NDF:15.2/7

Right Out: -345.548 $\pm$ 179.160 χ^2 /NDF: 13.1/19

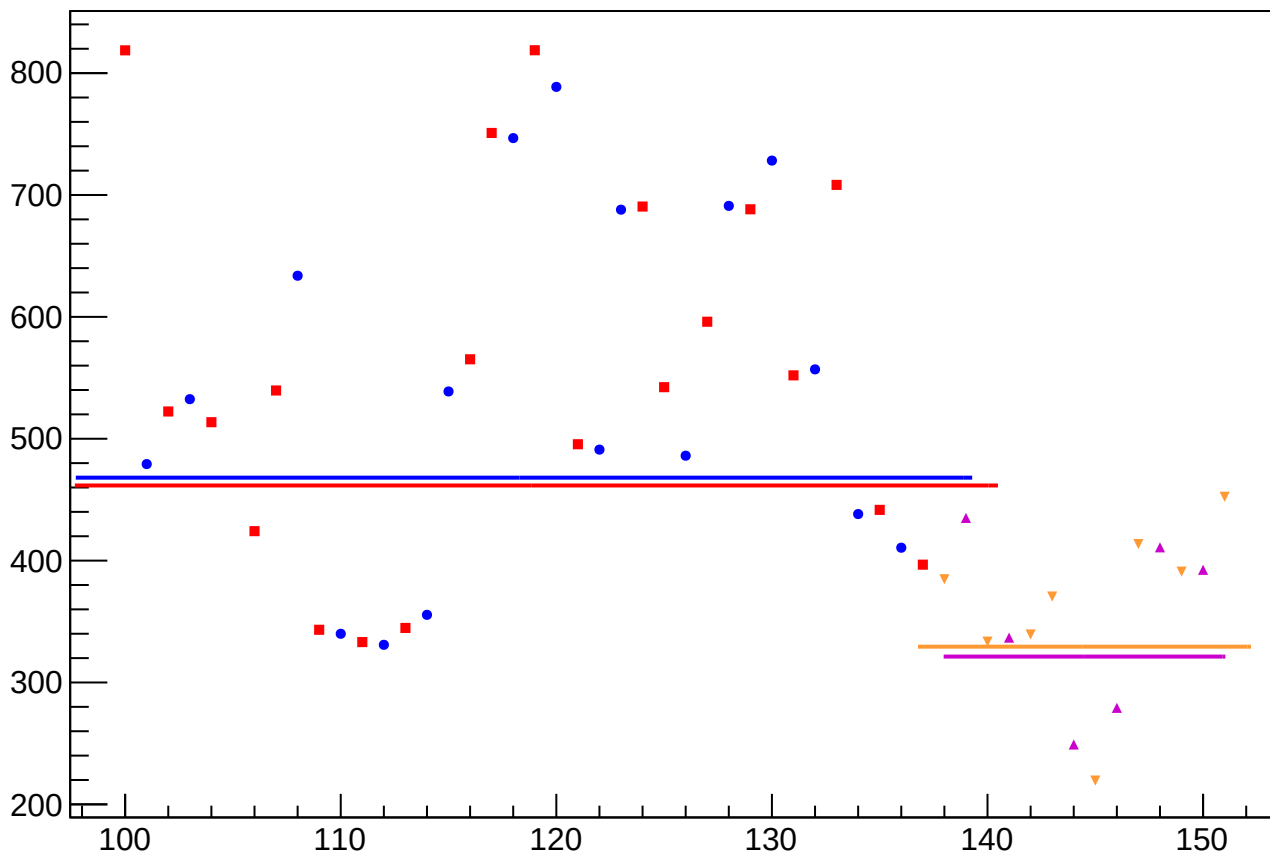
Left In: 113.840 $\pm$ 149.079 χ^2 /NDF:8.9/5

250.993 $\pm$ 113.361 χ^2 /NDF: 39.6/24

90.204 $\pm$ 80.591 χ^2 /NDF: 69.7/50

-74.106 $\pm$ 114.595 χ^2 /NDF: 26.0/25

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: 329.395+/-0.100 χ^2/NDF : 645015.7/7

Right Out: 461.656+/-0.127 χ^2/NDF : 967939.5/19

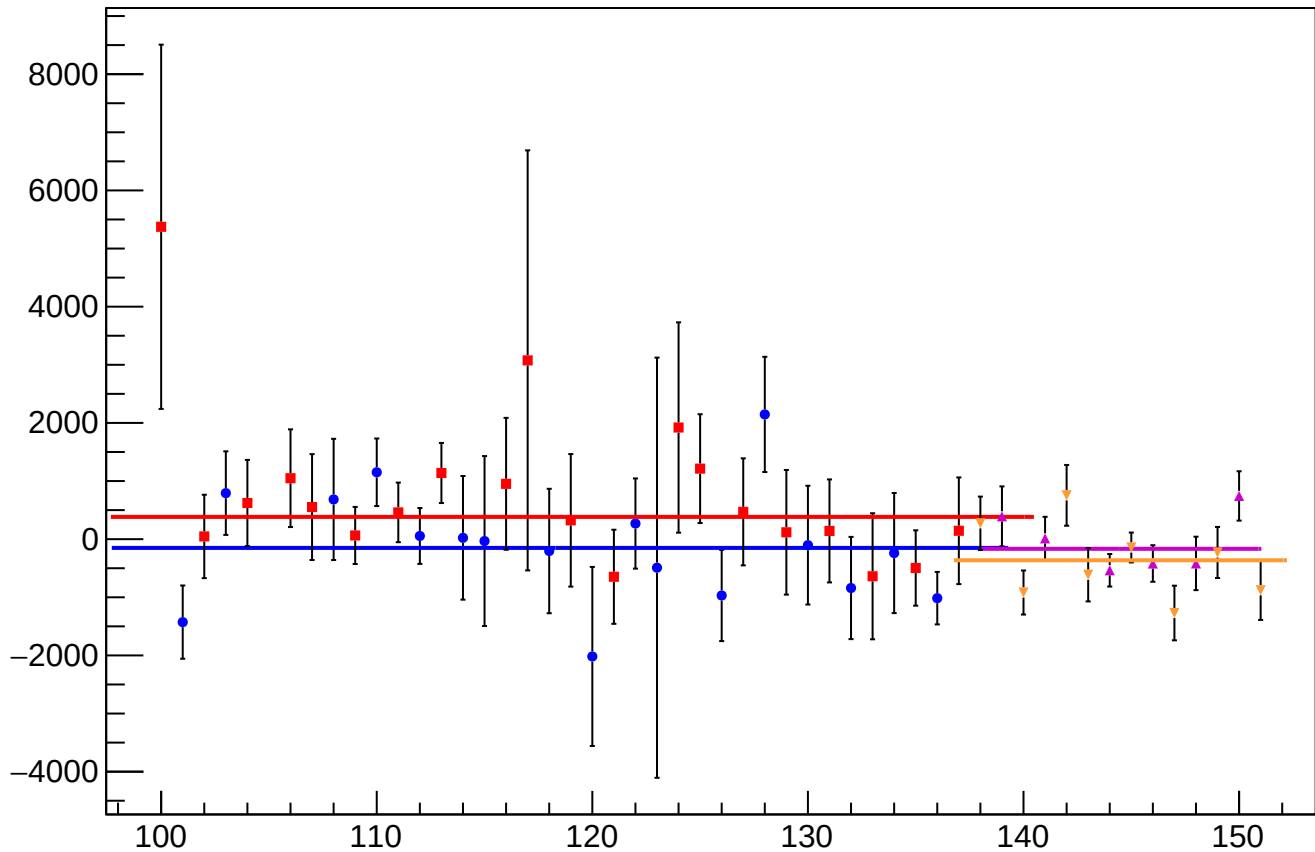
Left In: 321.258+/-0.105 χ^2/NDF : 409073.8/5

379.518+/-0.080 χ^2/NDF : 2216128.2/24

379.112+/-0.057 χ^2/NDF : 4318915.8/50

378.698+/-0.081 χ^2/NDF : 2102735.7/25

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -150.305+/-189.729 χ^2/NDF : 24.2/16

Left Out: -363.098+/-143.140 χ^2/NDF : 14.5/7

Right Out: 383.331+/-181.030 χ^2/NDF : 13.0/19

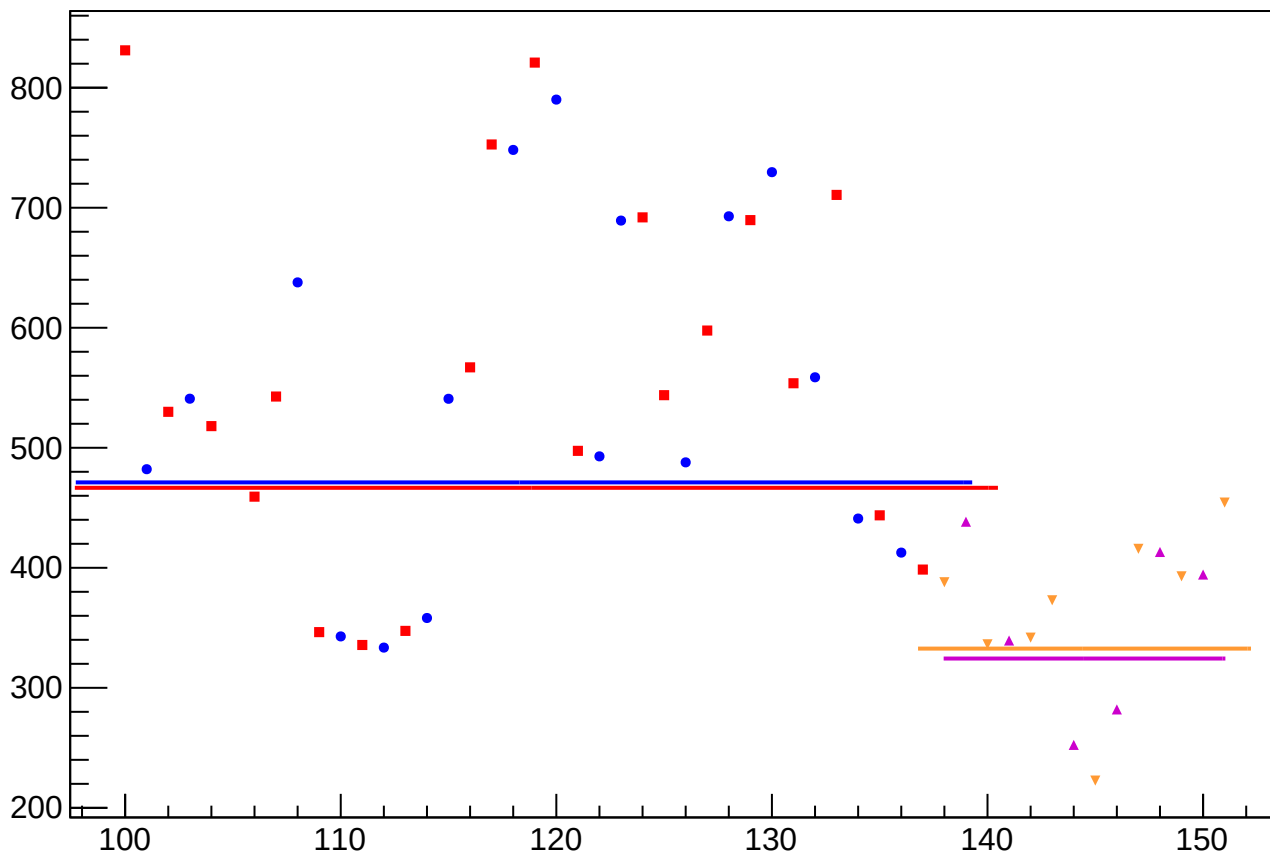
Left In: -166.177+/-150.430 χ^2/NDF : 8.7/5

-285.912+/-114.268 χ^2/NDF : 39.5/24

-115.958+/-81.301 χ^2/NDF : 71.1/50

58.276+/-115.698 χ^2/NDF : 27.1/25

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: 332.680 $\pm$ 0.101 χ^2/NDF : 625466.4/7

Right Out: 466.655 $\pm$ 0.128 χ^2/NDF : 953088.6/19

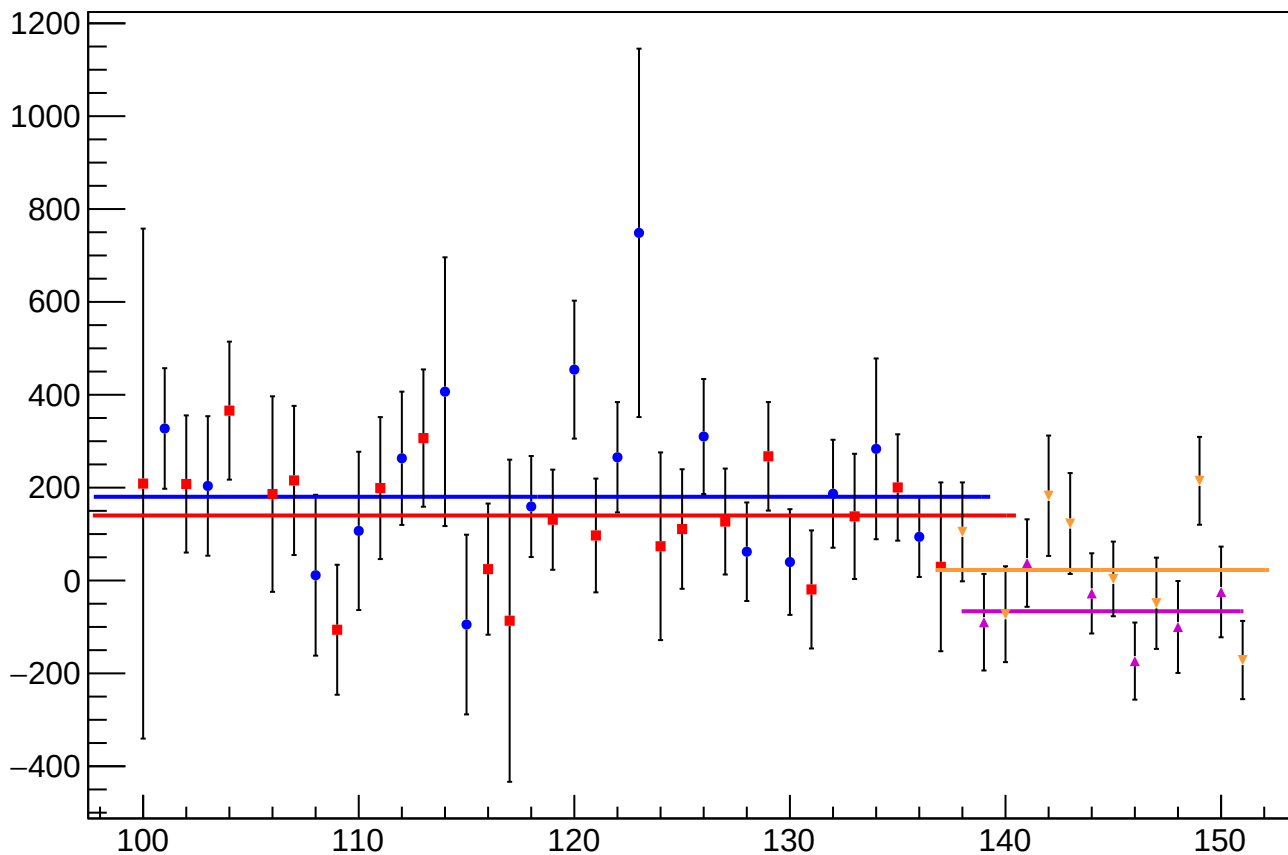
Left In: 324.401 $\pm$ 0.106 χ^2/NDF : 398626.7/5

382.910 $\pm$ 0.081 χ^2/NDF : 2176242.5/24

382.711 $\pm$ 0.057 χ^2/NDF : 4258503.9/50

382.507 $\pm$ 0.082 χ^2/NDF : 2082249.2/25

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: 22.692 $\pm$ 34.565 χ^2 /NDF:13.8/7

Right Out: 140.070 $\pm$ 32.198 χ^2 /NDF: 12.1/19

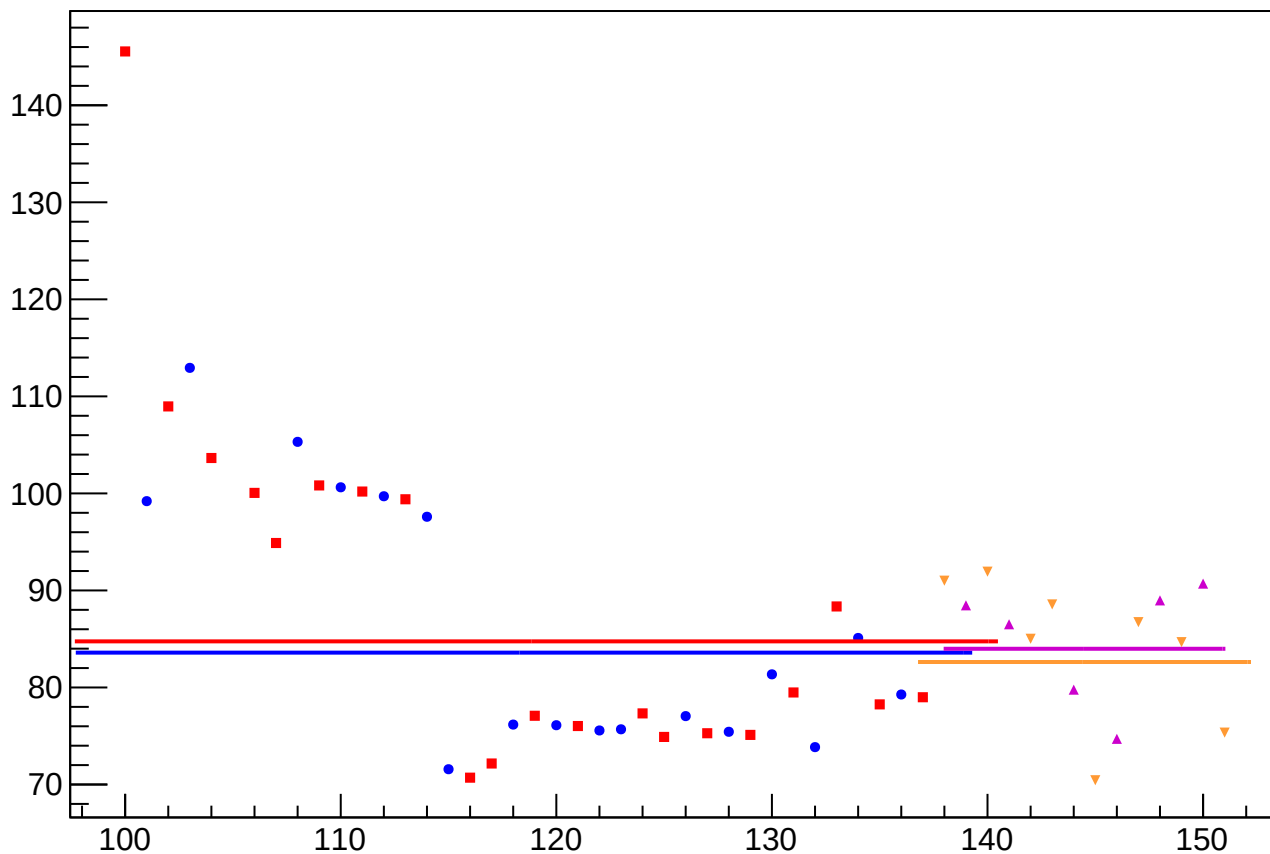
Left In: -66.213 $\pm$ 38.041 χ^2 /NDF:3.4/5

105.711 $\pm$ 23.781 χ^2 /NDF: 41.3/24

80.691 $\pm$ 17.090 χ^2 /NDF: 76.3/50

53.970 $\pm$ 24.577 χ^2 /NDF: 32.7/25

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: 82.625 $\pm$ 0.024 χ^2/NDF : 100601.7/7

Right Out: 84.752 $\pm$ 0.023 χ^2/NDF : 293262.6/19

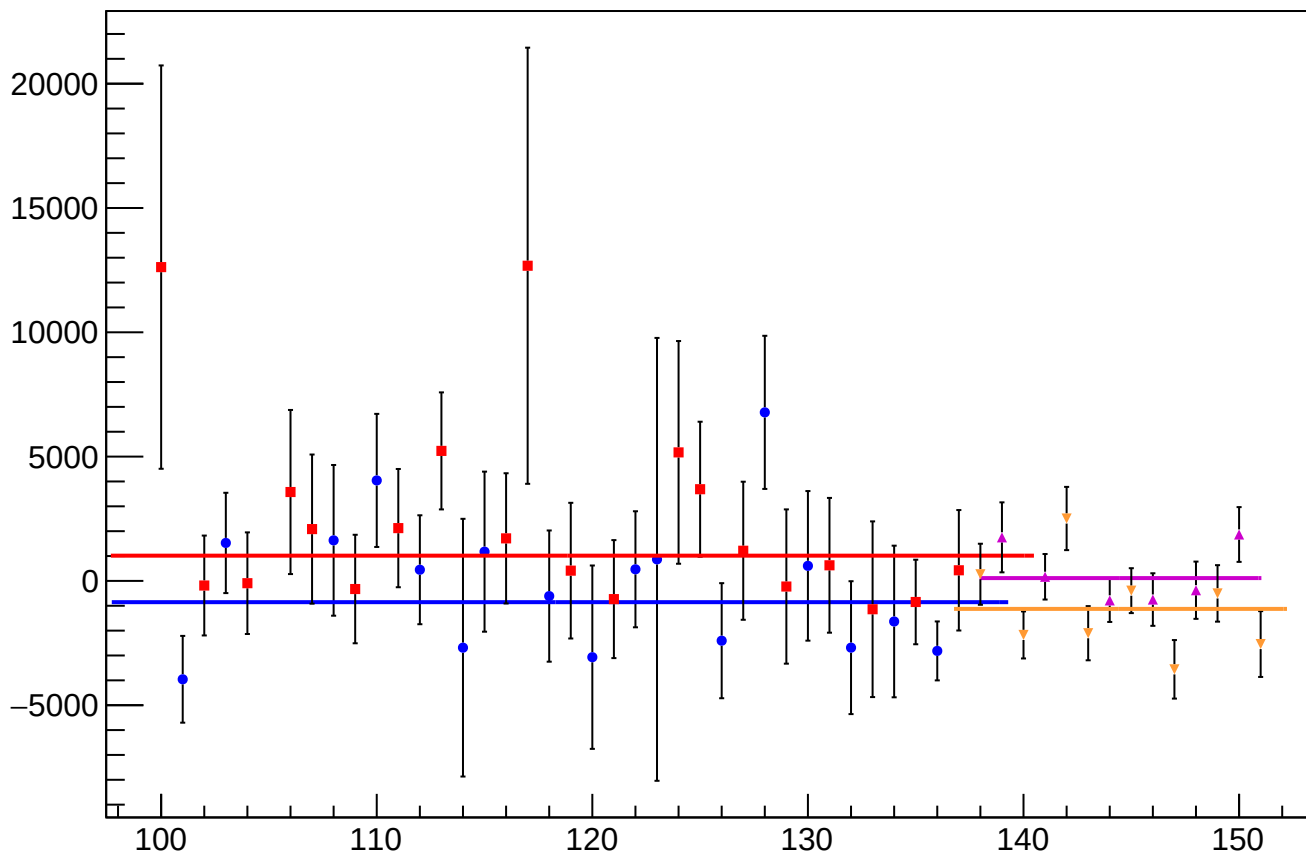
Left In: 83.988 $\pm$ 0.027 χ^2/NDF : 49424.1/5

83.134 $\pm$ 0.017 χ^2/NDF : 357344.7/24

83.762 $\pm$ 0.012 χ^2/NDF : 703387.2/50

84.433 $\pm$ 0.017 χ^2/NDF : 343155.8/25

asym_sam_24_68_dd_correction_mean vs Slug, Sign Corrected



Right In: -855.308 ± 583.290 $\chi^2/\text{NDF}: 20.3/16$

Left Out: -1125.837 ± 391.213 $\chi^2/\text{NDF}: 17.9/7$

Right Out: 1015.523 ± 587.747 $\chi^2/\text{NDF}: 13.3/19$

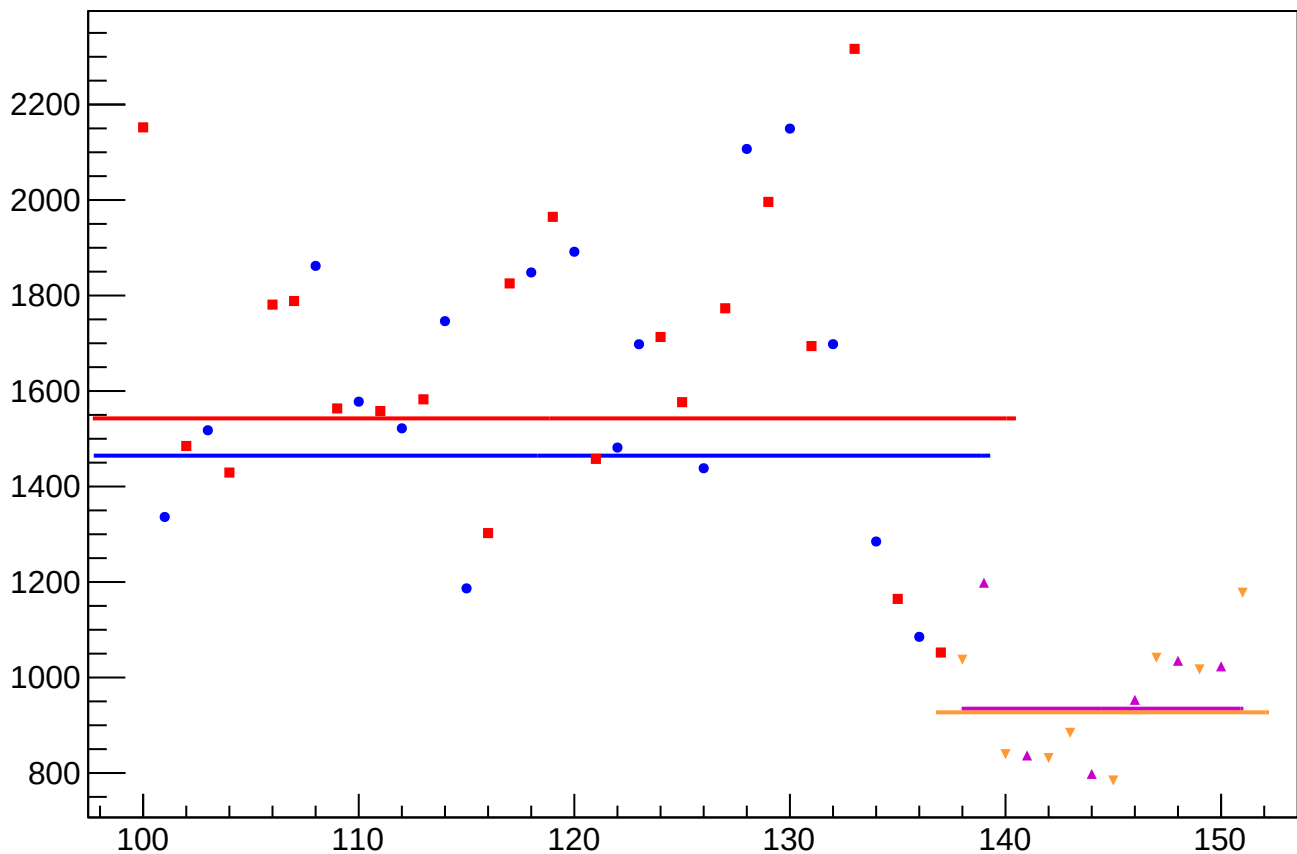
Left In: 113.096 ± 426.272 $\chi^2/\text{NDF}: 5.8/5$

-1041.901 ± 324.903 $\chi^2/\text{NDF}: 38.3/24$

-352.964 ± 236.550 $\chi^2/\text{NDF}: 68.5/50$

424.158 ± 345.071 $\chi^2/\text{NDF}: 20.7/25$

asym_sam_24_68_dd_correction_rms vs Slug, Sign Corrected



Right In: 1464.636+/-0.412 χ^2/NDF : 560863.4/16

Left Out: 927.087+/-0.277 χ^2/NDF : 200755.1/7

Right Out: 1542.663+/-0.416 χ^2/NDF : 455797.2/19

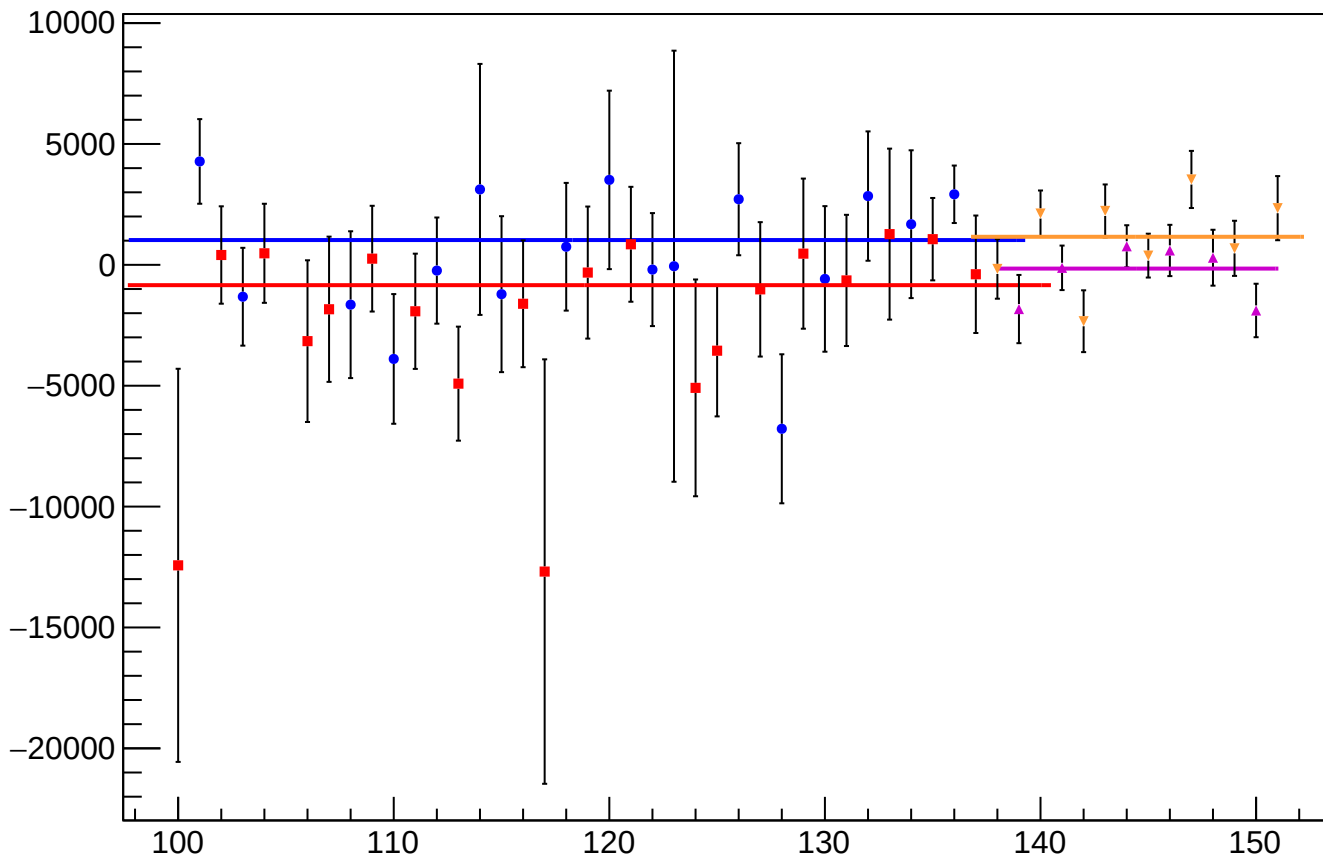
Left In: 934.714+/-0.301 χ^2/NDF : 171605.8/5

1093.871+/-0.230 χ^2/NDF : 1933210.6/24

1117.555+/-0.167 χ^2/NDF : 3985483.5/50

1144.271+/-0.244 χ^2/NDF : 2029657.4/25

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: 1160.546 $\pm$ 392.940 χ^2 /NDF: 16.3/7

Right Out: -840.586 $\pm$ 589.057 χ^2 /NDF: 13.0/19

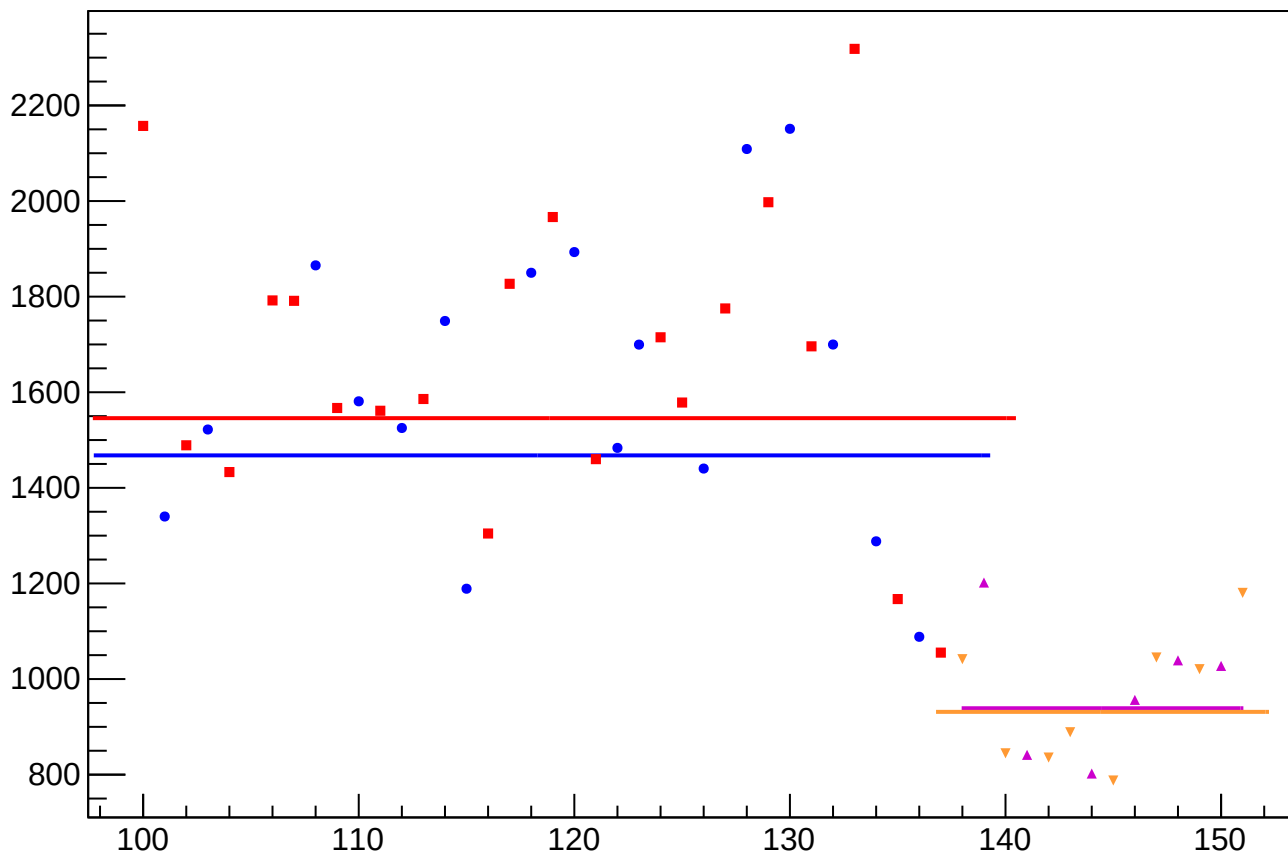
Left In: -155.108 $\pm$ 428.117 χ^2 /NDF: 5.6/5

1118.519 $\pm$ 326.100 χ^2 /NDF: 37.3/24

408.609 $\pm$ 237.412 χ^2 /NDF: 66.9/50

-392.037 $\pm$ 346.314 χ^2 /NDF: 19.5/25

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: 931.358 $\pm$ 0.278 χ^2/NDF :198170.6/7

Right Out: 1545.785 $\pm$ 0.417 χ^2/NDF : 453865.6/19

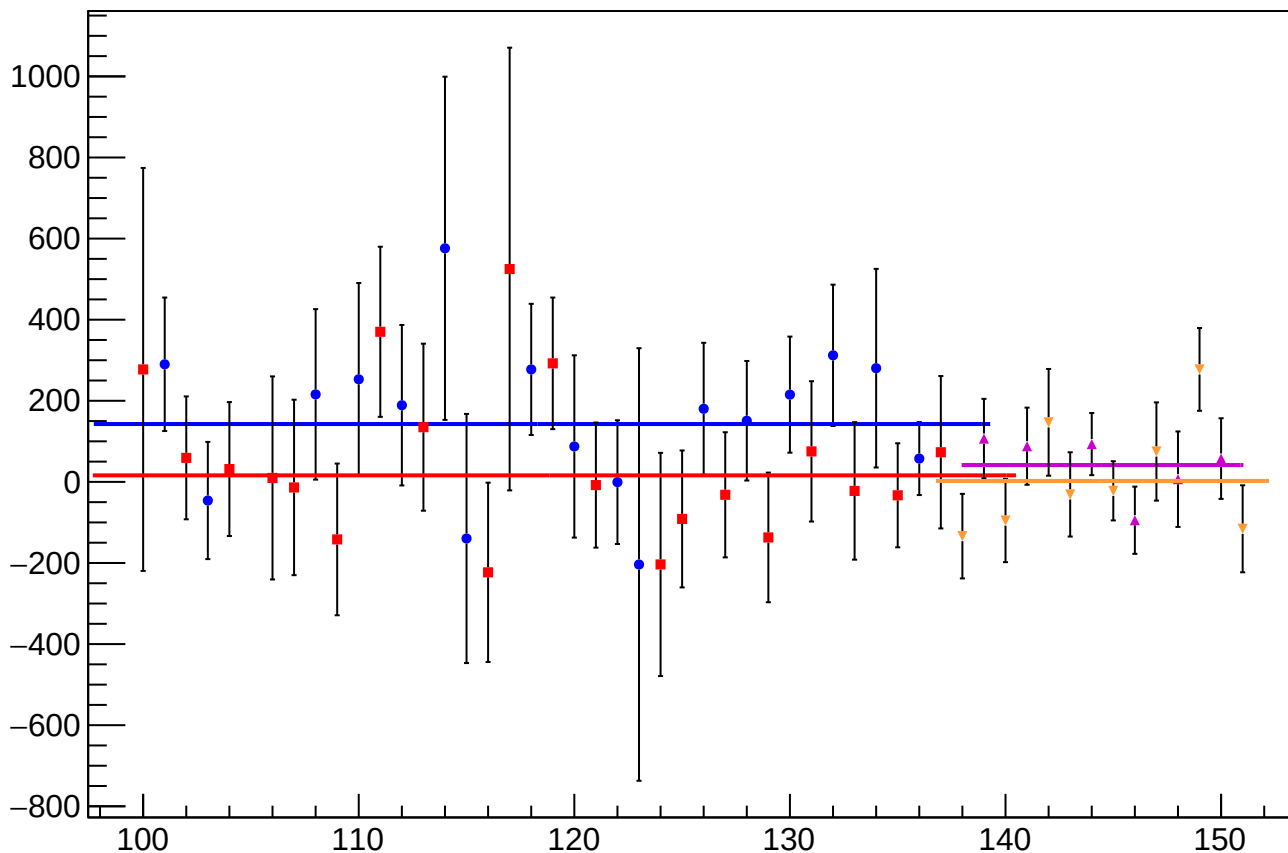
Left In: 938.901 $\pm$ 0.303 χ^2/NDF :169460.3/5

1098.368 $\pm$ 0.231 χ^2/NDF : 1916351.8/24

1122.006 $\pm$ 0.168 χ^2/NDF : 3951165.9/50

1148.665 $\pm$ 0.245 χ^2/NDF : 2012453.7/25

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: 2.355 $\pm$ 35.895 χ^2 /NDF:12.9/7

Right Out: 16.103 $\pm$ 41.277 χ^2 /NDF: 11.7/19

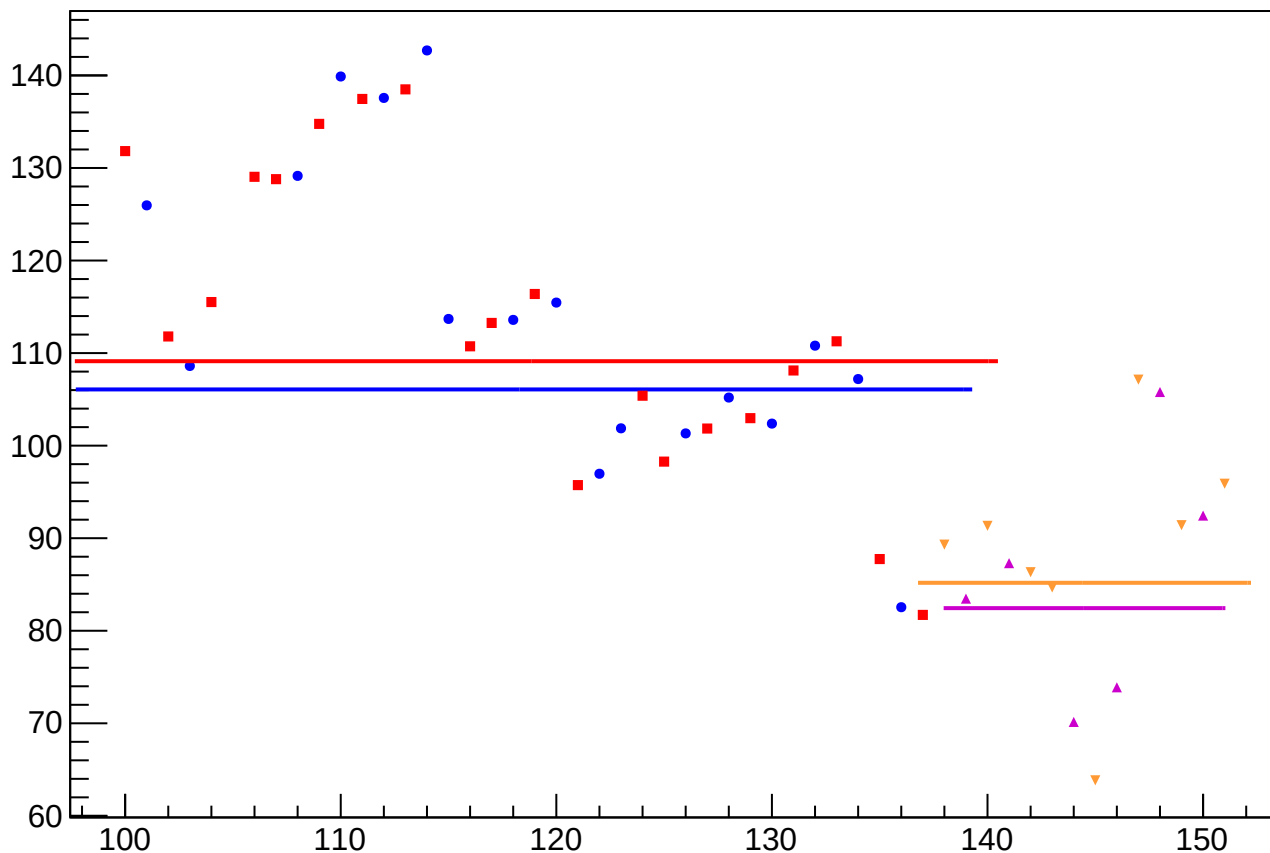
Left In: 41.572 $\pm$ 37.698 χ^2 /NDF:3.9/5

62.203 $\pm$ 27.184 χ^2 /NDF: 28.7/24

46.478 $\pm$ 19.448 χ^2 /NDF: 45.2/50

29.989 $\pm$ 27.836 χ^2 /NDF: 15.9/25

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: 85.182 $\pm$ 0.025 χ^2 /NDF:274604.8/7

Right Out: 109.124 $\pm$ 0.029 χ^2 /NDF: 285510.2/19

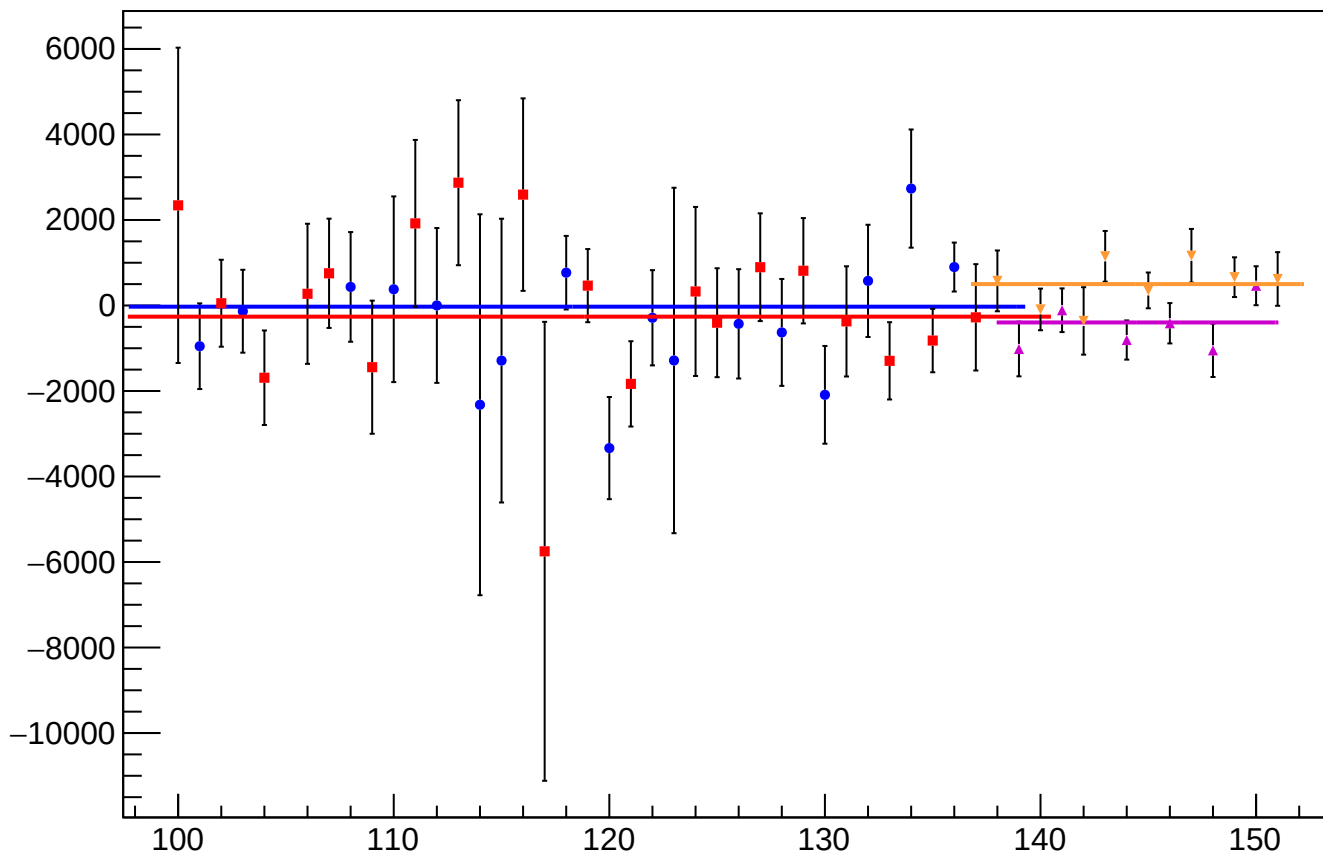
Left In: 82.445 $\pm$ 0.027 χ^2 /NDF:177108.5/5

94.092 $\pm$ 0.019 χ^2 /NDF: 881453.4/24

94.329 $\pm$ 0.014 χ^2 /NDF: 1799938.2/50

94.578 $\pm$ 0.020 χ^2 /NDF: 918173.1/25

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: 500.444 ± 195.862 χ^2/NDF : 5.3/7

Right Out: -261.265 ± 279.073 χ^2/NDF : 16.9/19

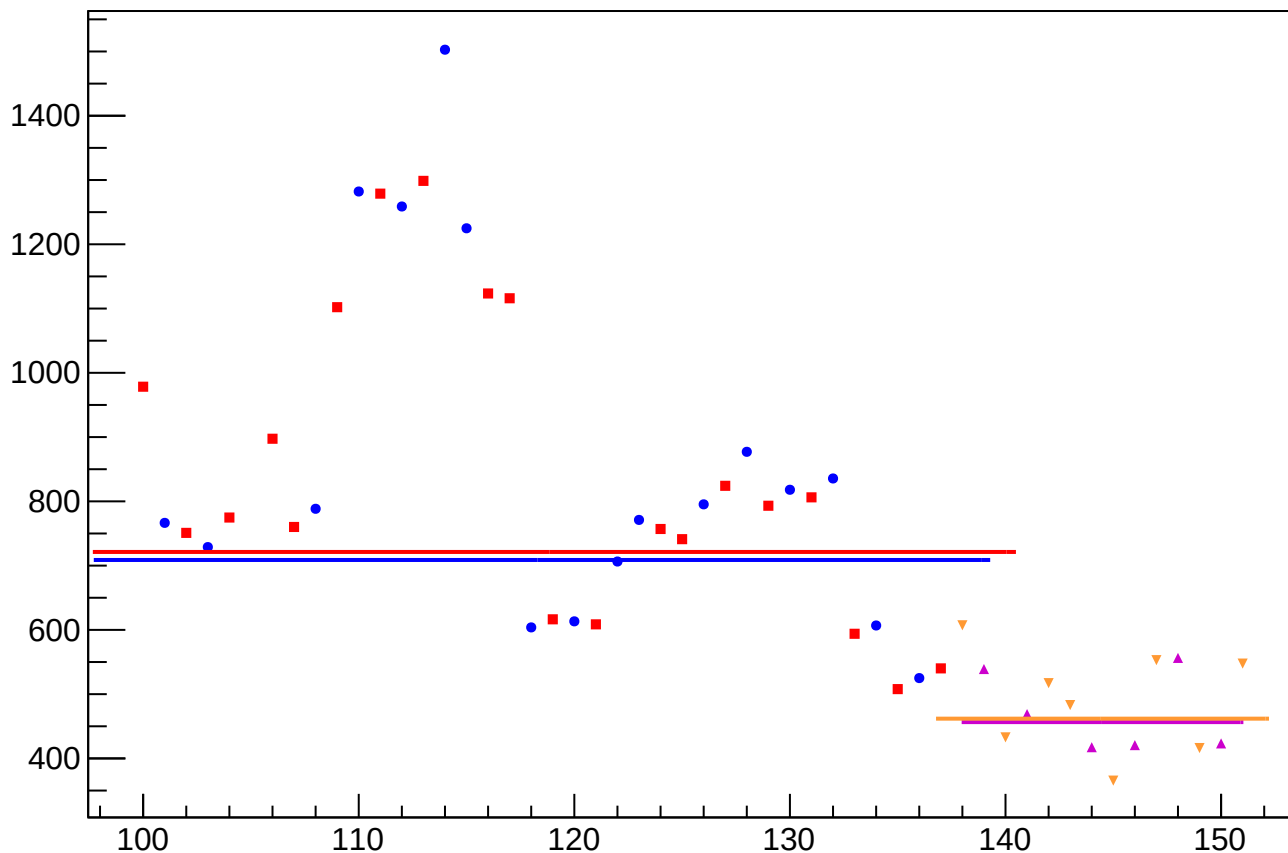
Left In: -396.918 ± 208.937 χ^2/NDF : 6.7/5

329.915 ± 161.189 χ^2/NDF : 28.2/24

3.381 ± 116.063 χ^2/NDF : 60.4/50

-348.193 ± 167.255 χ^2/NDF : 23.8/25

asym_sam_26_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 708.784+/-0.201 χ^2/NDF : 793538.1/16

Left Out: 461.876+/-0.138 χ^2/NDF : 307782.3/7

Right Out: 721.271+/-0.197 χ^2/NDF : 910781.0/19

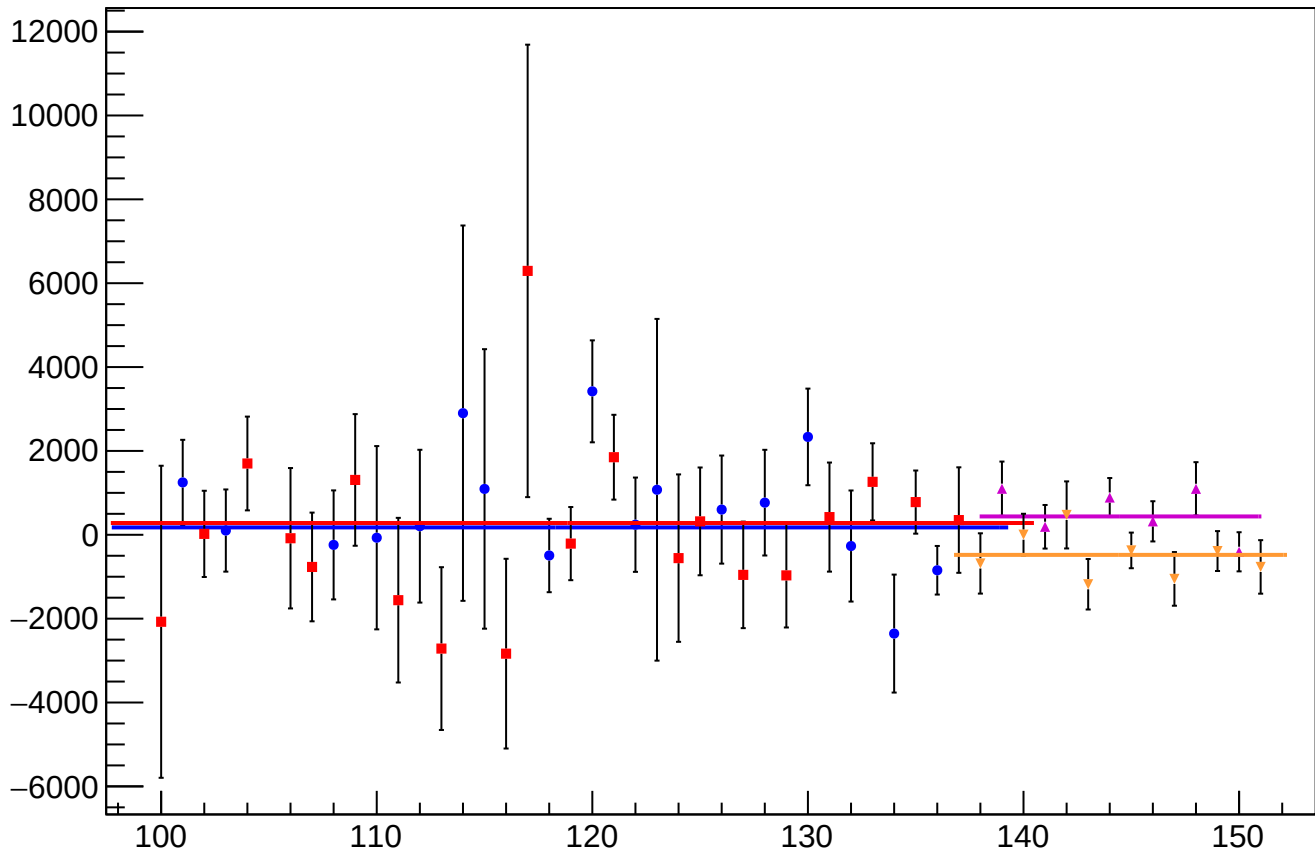
Left In: 456.510+/-0.148 χ^2/NDF : 122400.6/5

541.558+/-0.114 χ^2/NDF : 2127029.2/24

546.398+/-0.082 χ^2/NDF : 4317498.9/50

551.609+/-0.118 χ^2/NDF : 2186725.2/25

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 175.854 $\pm$ 287.218 χ^2 /NDF: 19.7/16

Left Out: -479.175 $\pm$ 199.419 χ^2 /NDF: 4.9/7

Right Out: 281.173 $\pm$ 282.685 χ^2 /NDF: 16.1/19

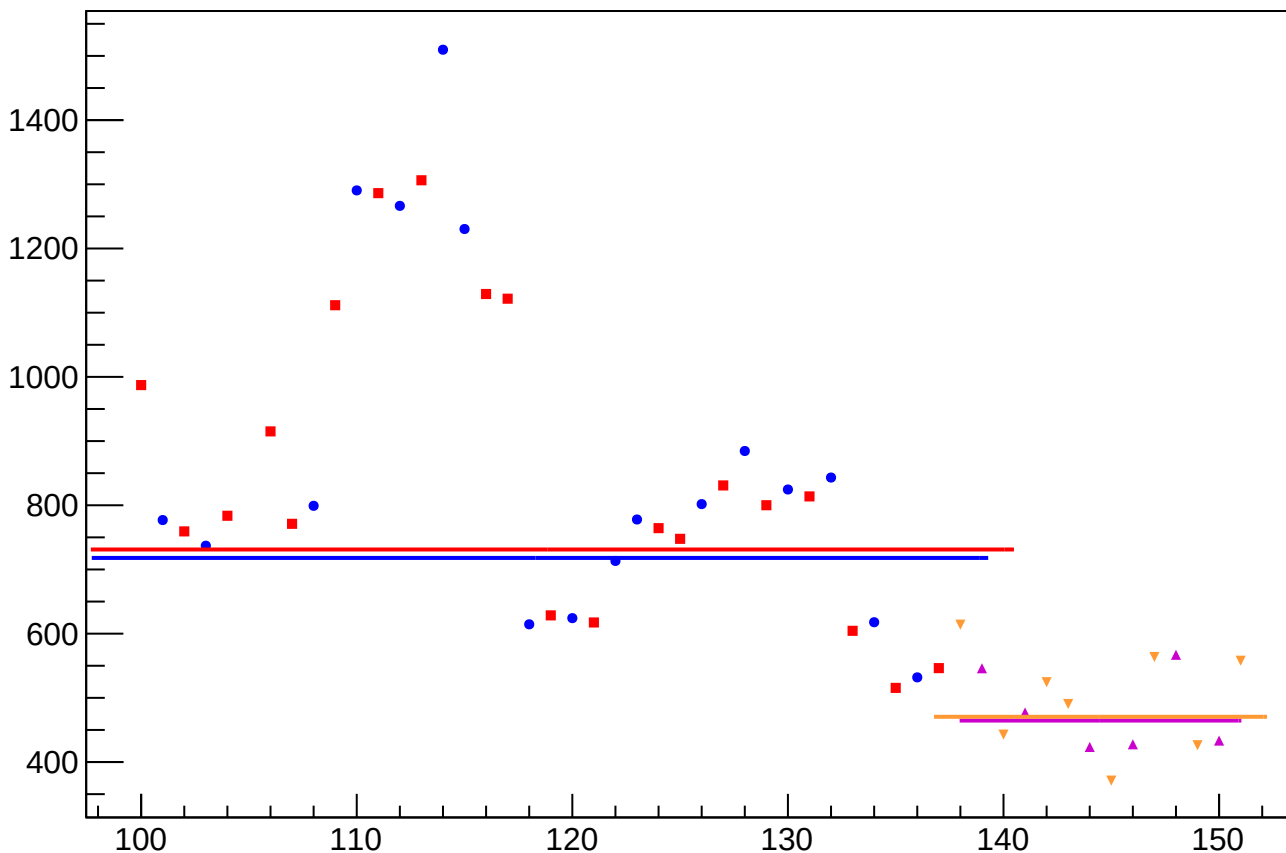
Left In: 437.627 $\pm$ 212.581 χ^2 /NDF: 6.6/5

-266.116 $\pm$ 163.807 χ^2 /NDF: 28.1/24

45.681 $\pm$ 117.925 χ^2 /NDF: 58.5/50

381.111 $\pm$ 169.901 χ^2 /NDF: 22.9/25

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 717.973 $\pm$ 0.203 χ^2 /NDF: 778580.1/16

Left Out: 470.499 $\pm$ 0.141 χ^2 /NDF: 303804.8/7

Right Out: 731.116 $\pm$ 0.200 χ^2 /NDF: 892357.6/19

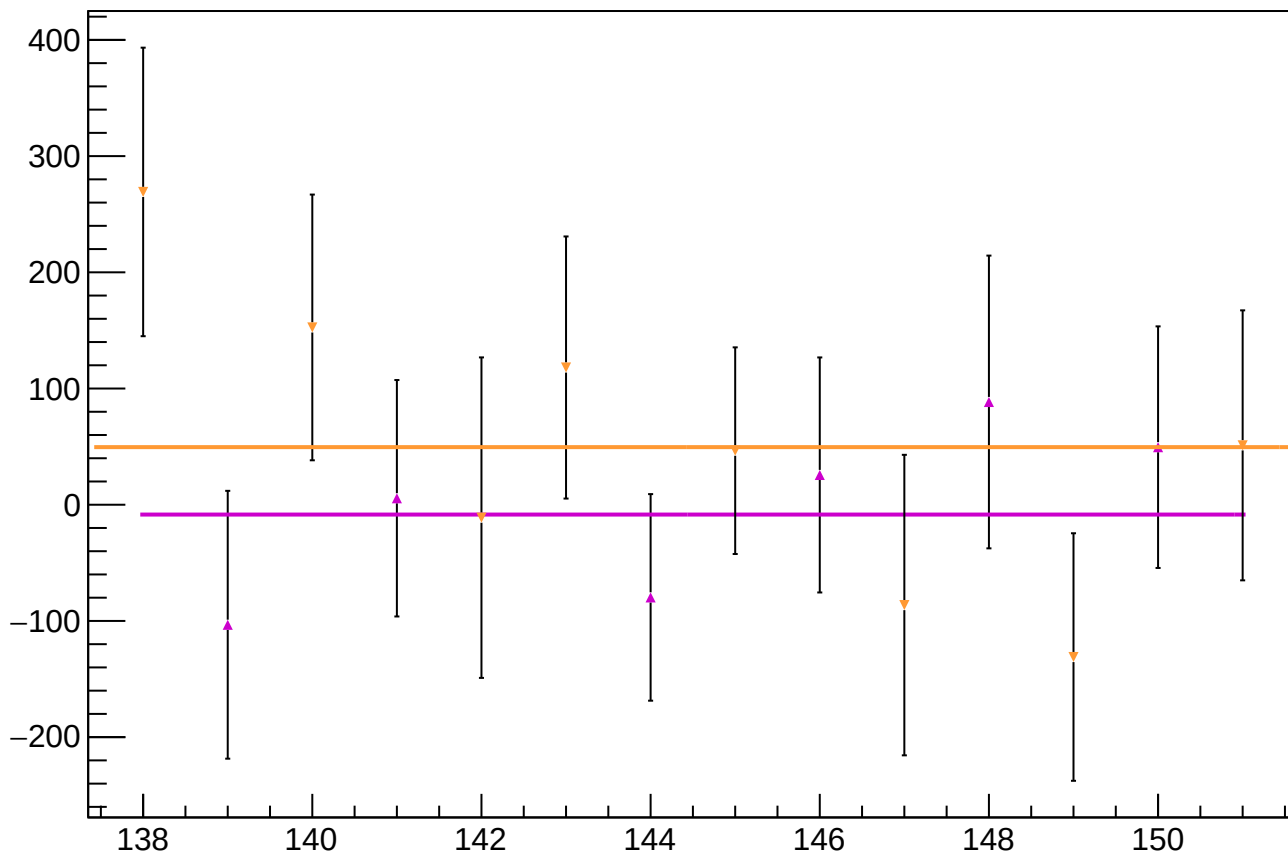
Left In: 464.608 $\pm$ 0.150 χ^2 /NDF: 121255.1/5

550.994 $\pm$ 0.116 χ^2 /NDF: 2084222.3/24

555.756 $\pm$ 0.083 χ^2 /NDF: 4236845.0/50

560.879 $\pm$ 0.120 χ^2 /NDF: 2149114.4/25

reg_asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 49.566 $\pm$ 40.124 χ^2 /NDF: 8.5/7

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

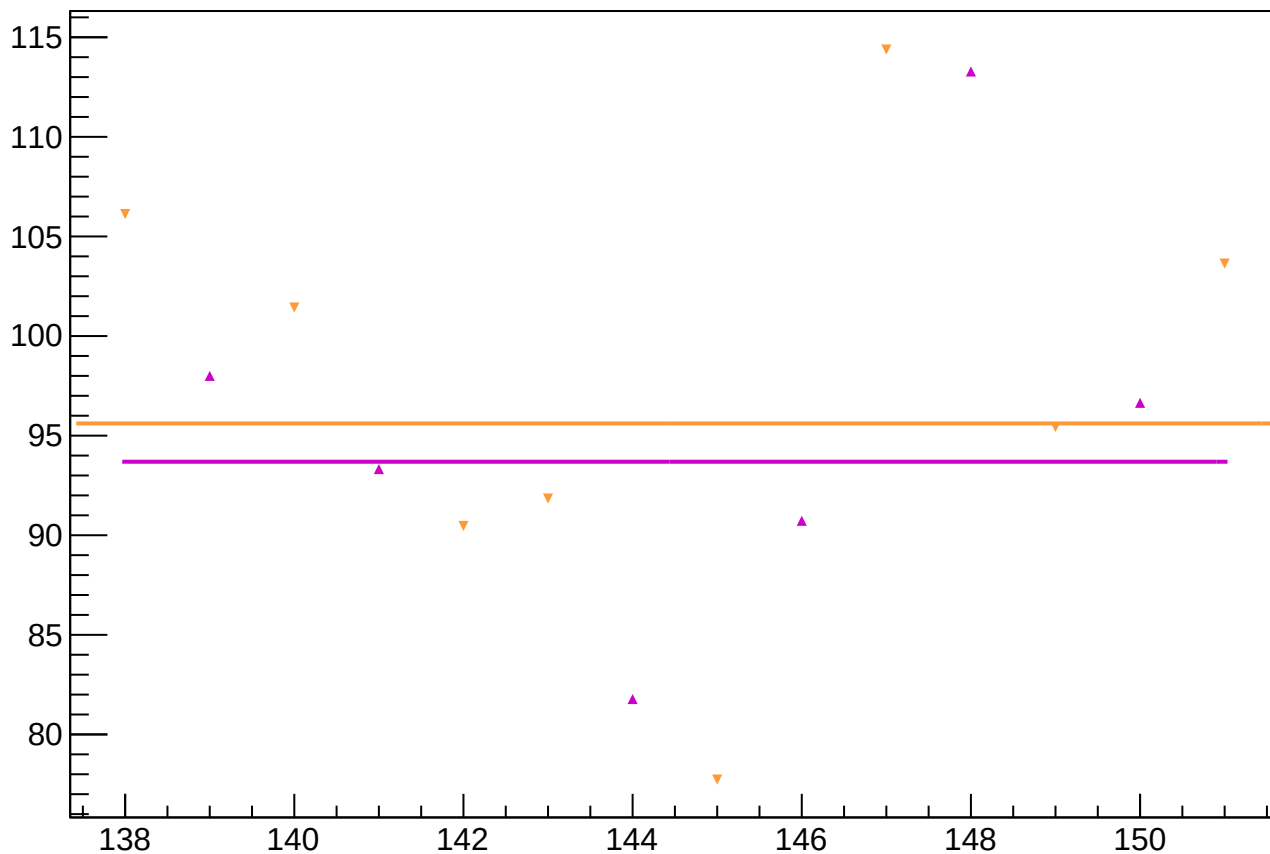
Left In: -8.460 $\pm$ 42.569 χ^2 /NDF: 2.4/5

49.566 $\pm$ 40.124 χ^2 /NDF: 8.5/7

22.267 $\pm$ 29.198 χ^2 /NDF: 11.8/13

-8.460 $\pm$ 42.569 χ^2 /NDF: 2.4/5

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 95.613+/-0.028 χ^2/NDF : 157098.6/7

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

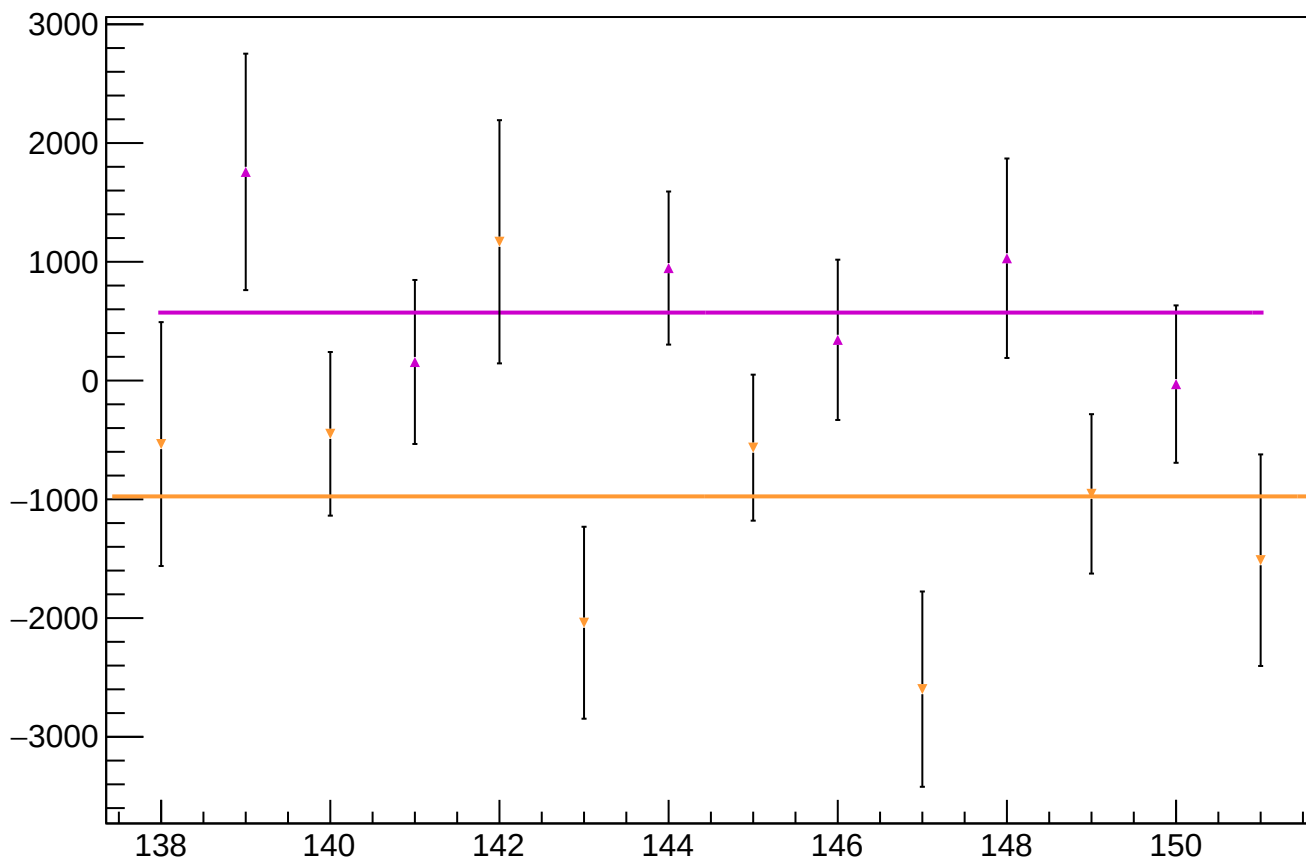
Left In: 93.691+/-0.030 χ^2/NDF : 90475.6/5

95.613+/-0.028 χ^2/NDF : 157098.6/7

94.709+/-0.021 χ^2/NDF : 249734.6/13

93.691+/-0.030 χ^2/NDF : 90475.6/5

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -975.412+/-275.804 χ^2/NDF : 11.6/7

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

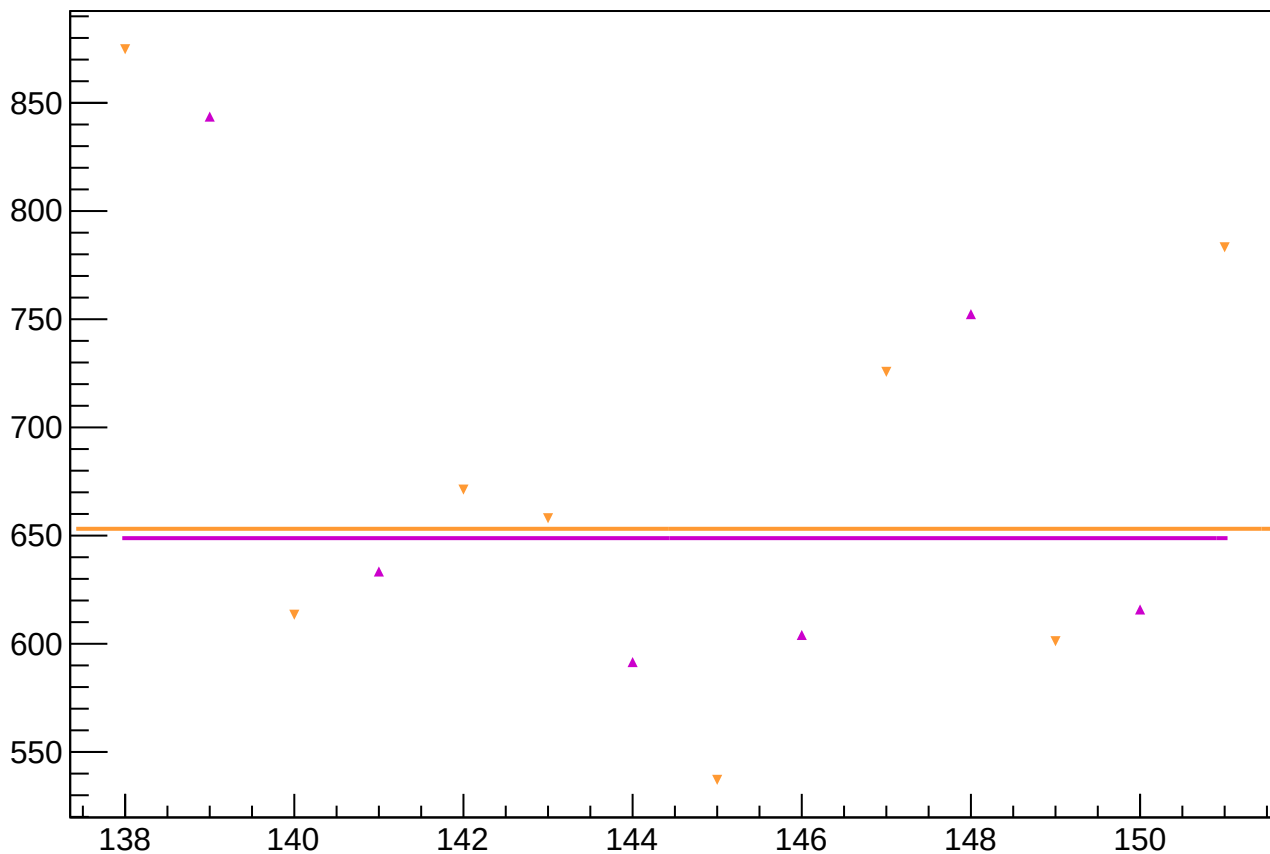
Left In: 572.384+/-296.123 χ^2/NDF : 3.4/5

-975.412+/-275.804 χ^2/NDF : 11.6/7

-256.434+/-201.824 χ^2/NDF : 29.6/13

572.384+/-296.123 χ^2/NDF : 3.4/5

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 653.147+/-0.195 χ^2/NDF : 242006.0/7

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

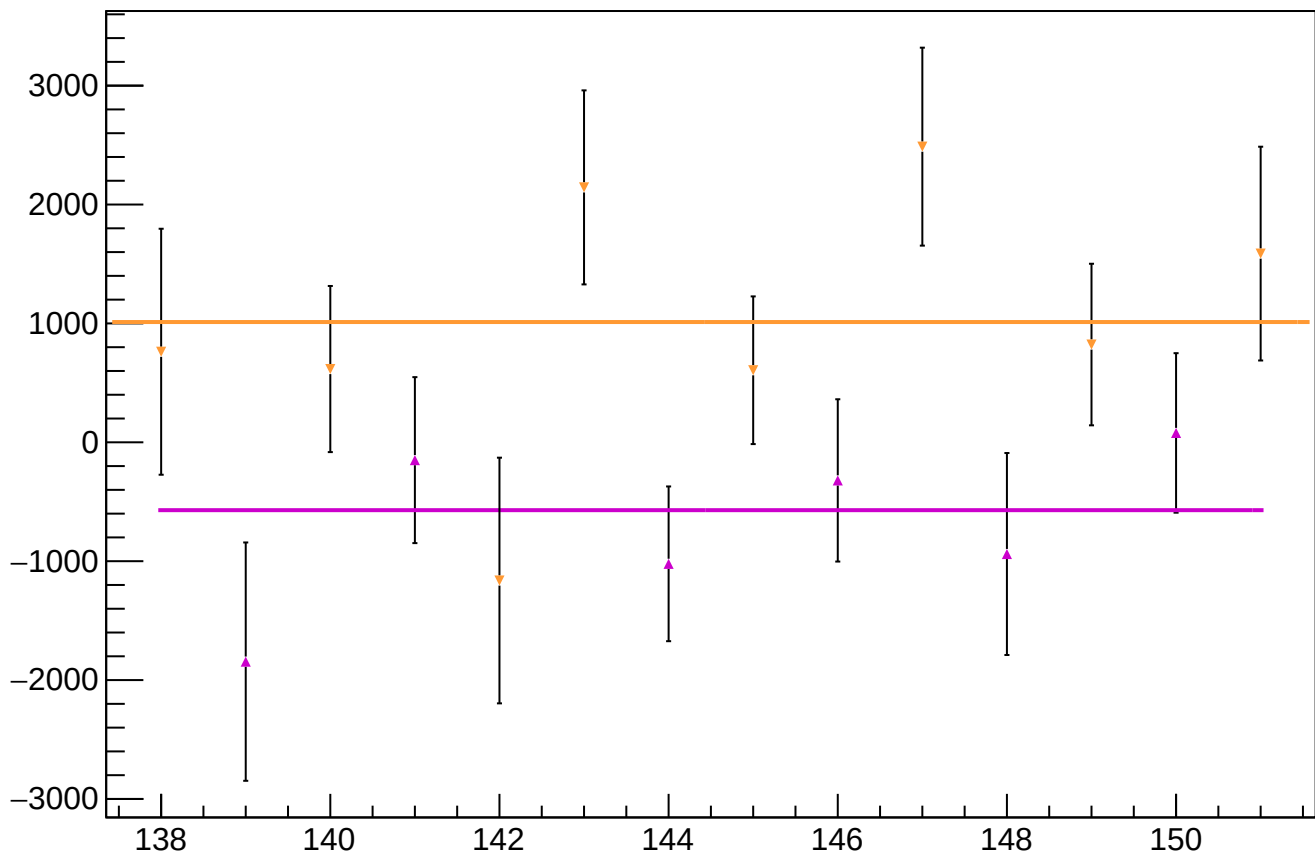
Left In: 648.818+/-0.209 χ^2/NDF : 137536.9/5

653.147+/-0.195 χ^2/NDF : 242006.0/7

651.136+/-0.143 χ^2/NDF : 379771.8/13

648.818+/-0.209 χ^2/NDF : 137536.9/5

asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 1011.679+/-278.872 χ^2/NDF : 10.8/7

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

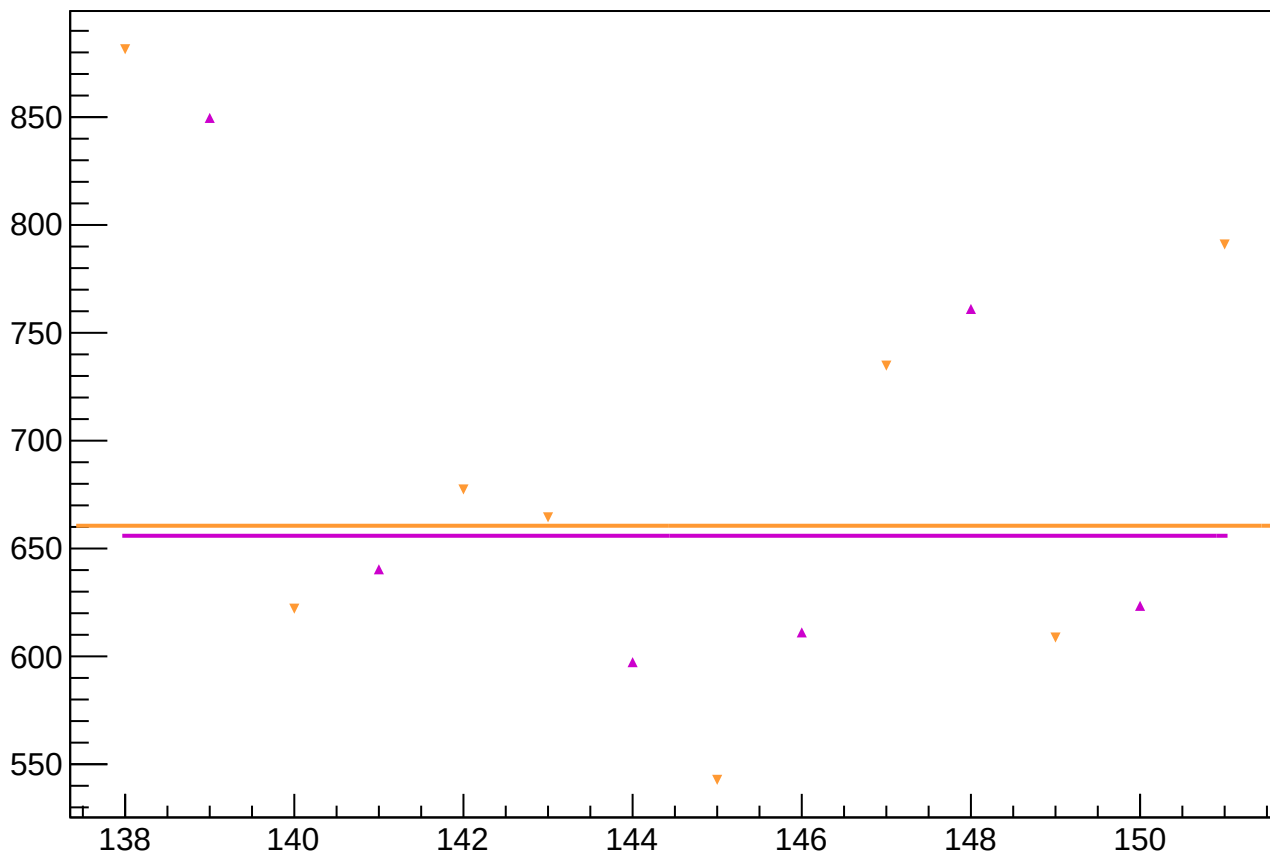
Left In: -570.817+/-299.309 χ^2/NDF : 3.7/5

1011.679+/-278.872 χ^2/NDF : 10.8/7

276.298+/-204.035 χ^2/NDF : 29.5/13

-570.817+/-299.309 χ^2/NDF : 3.7/5

asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 660.562+/-0.197 χ^2/NDF : 239366.7/7

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

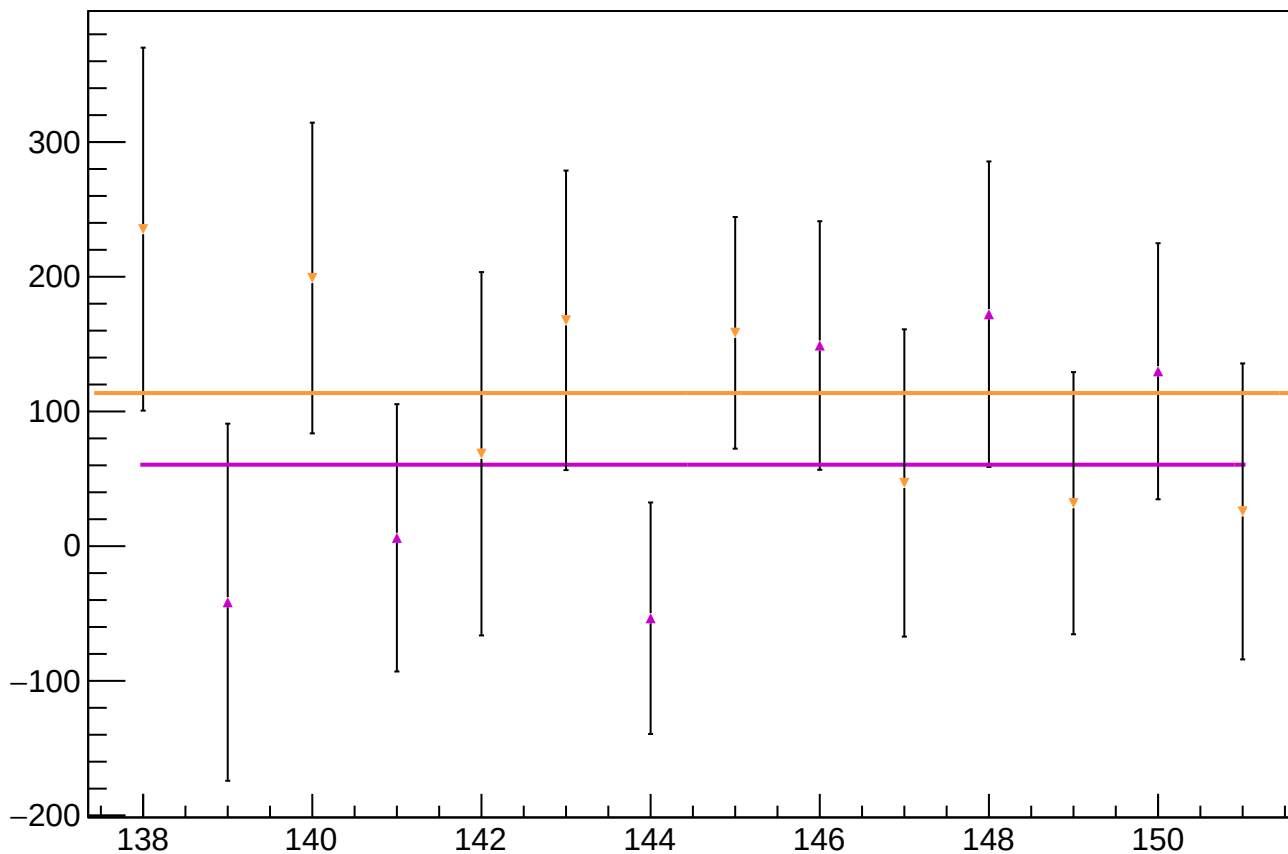
Left In: 655.913+/-0.212 χ^2/NDF : 135859.1/5

660.562+/-0.197 χ^2/NDF : 239366.7/7

658.401+/-0.144 χ^2/NDF : 375484.1/13

655.913+/-0.212 χ^2/NDF : 135859.1/5

reg_asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 113.685+/-38.731 χ^2/NDF : 3.7/7

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

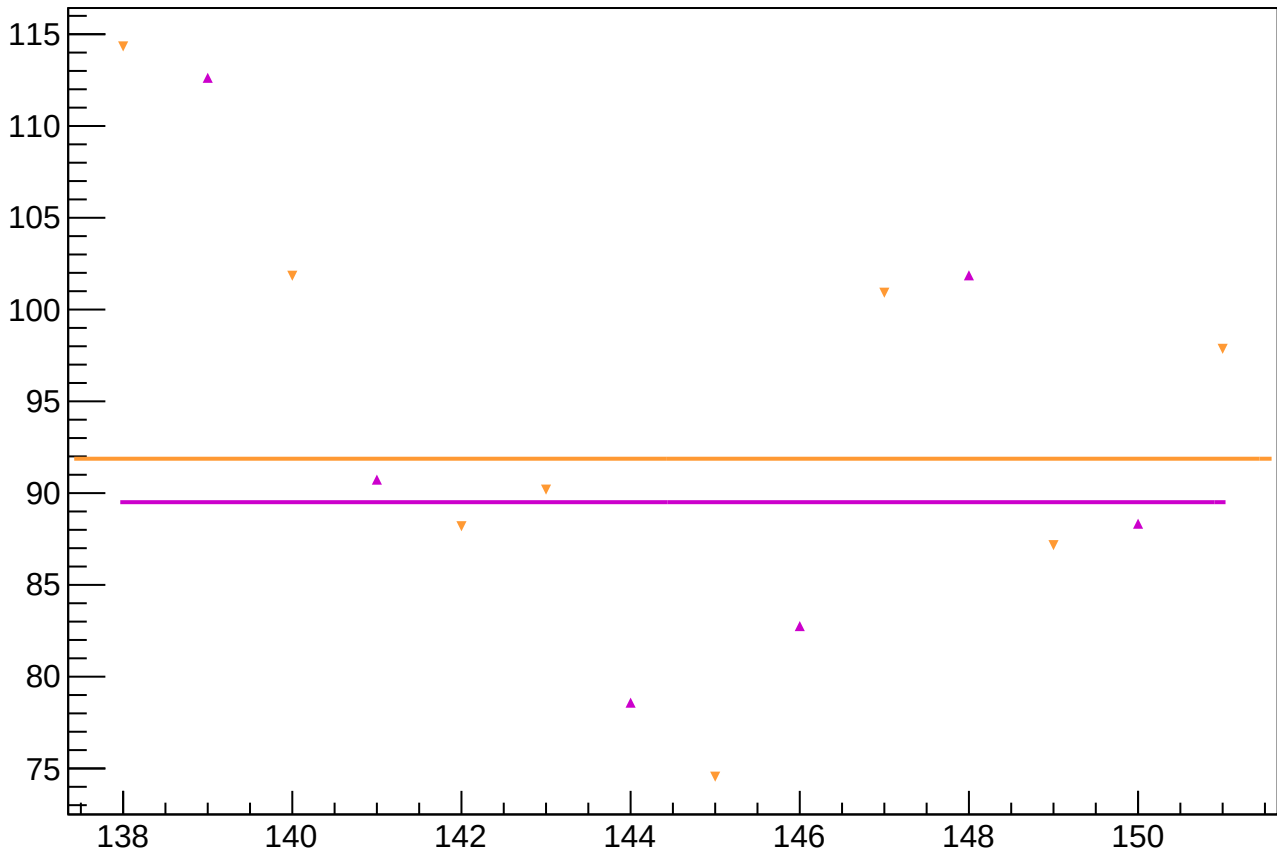
Left In: 60.485+/-40.832 χ^2/NDF : 5.1/5

113.685+/-38.731 χ^2/NDF : 3.7/7

88.490+/-28.100 χ^2/NDF : 9.6/13

60.485+/-40.832 χ^2/NDF : 5.1/5

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 91.874+/-0.027 χ^2/NDF :176800.4/7

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

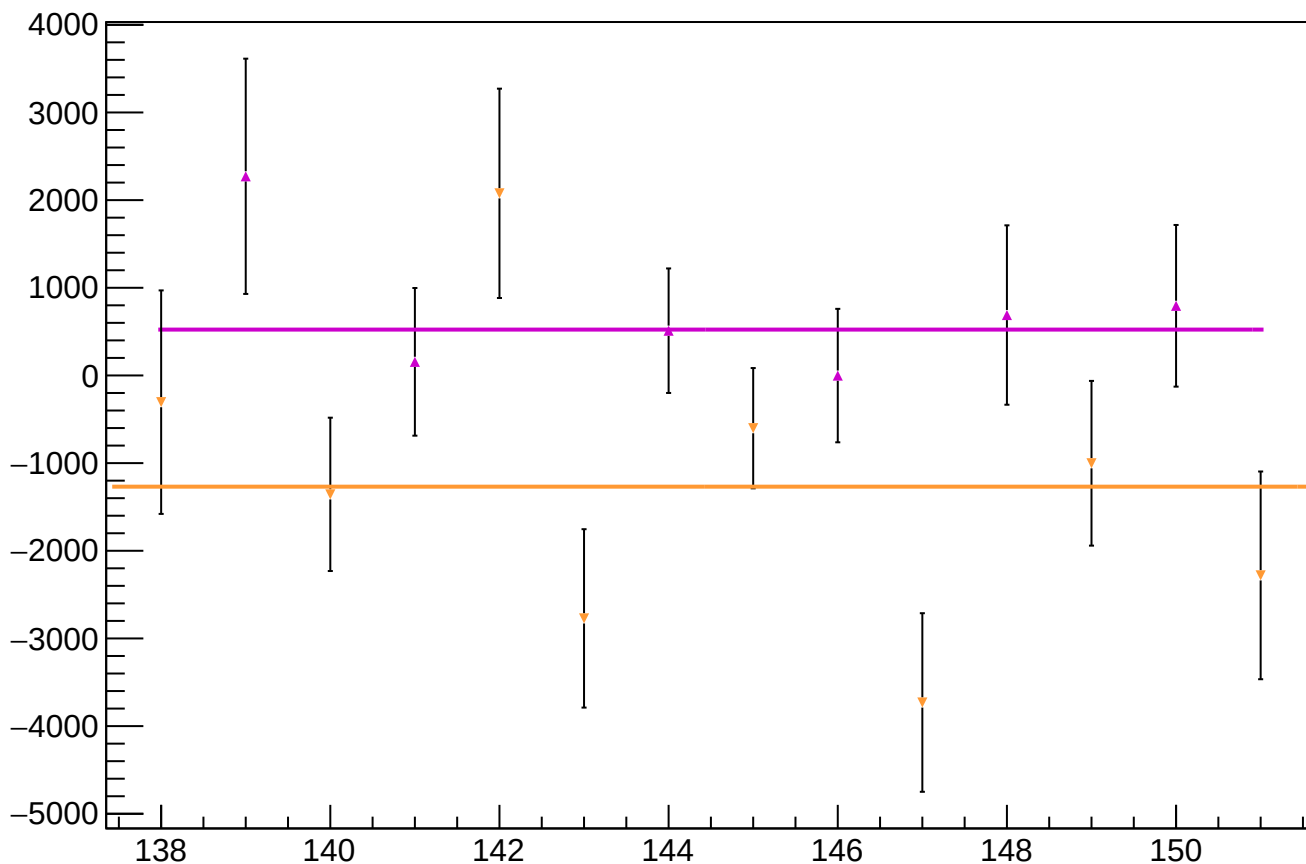
Left In: 89.506+/-0.029 χ^2/NDF :128212.6/5

91.874+/-0.027 χ^2/NDF : 176800.4/7

90.752+/-0.020 χ^2/NDF : 308553.5/13

89.506+/-0.029 χ^2/NDF : 128212.6/5

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1268.573+/-342.509 χ^2/NDF : 18.2/7

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

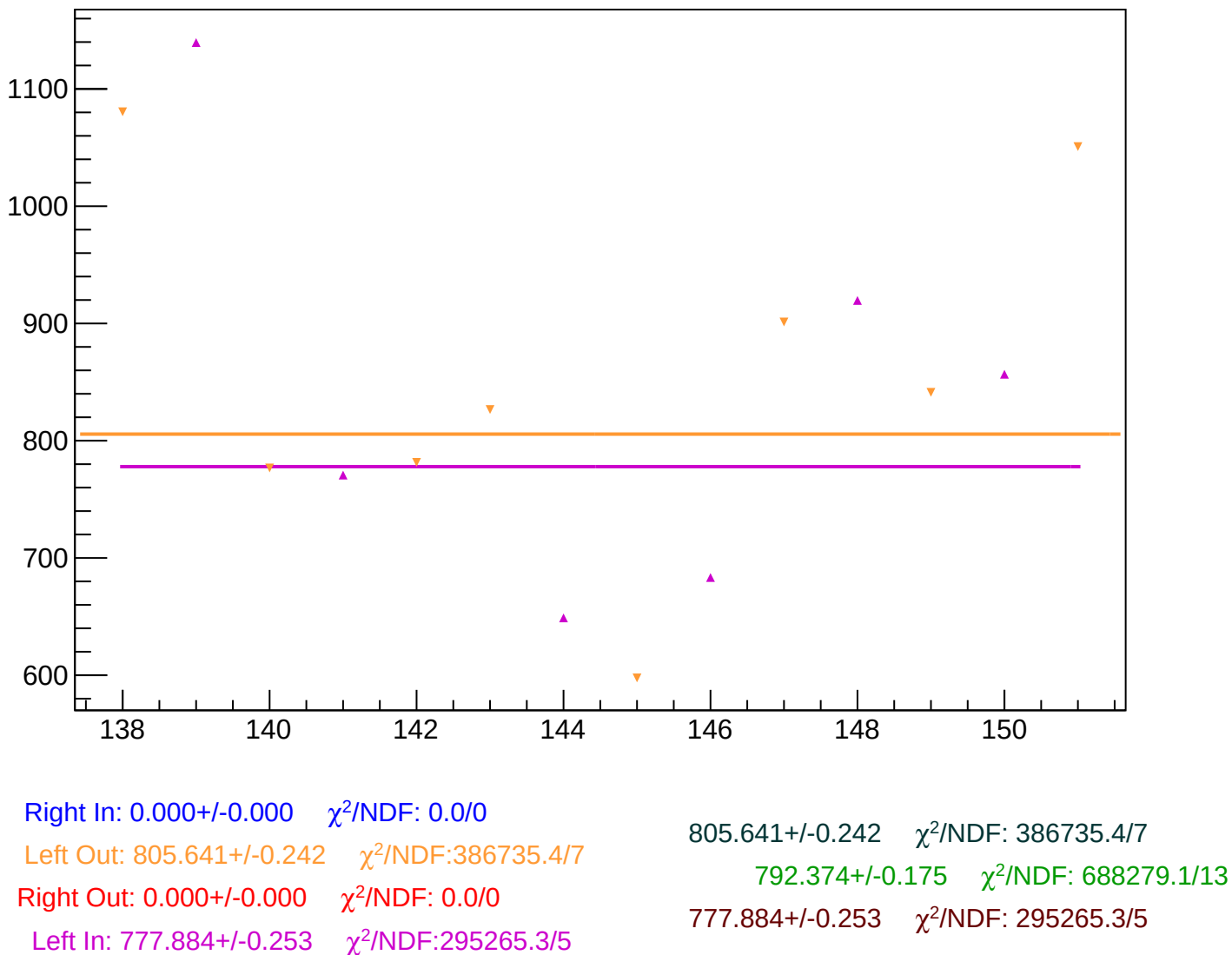
Left In: 523.155+/-357.948 χ^2/NDF : 2.5/5

-1268.573+/-342.509 χ^2/NDF : 18.2/7

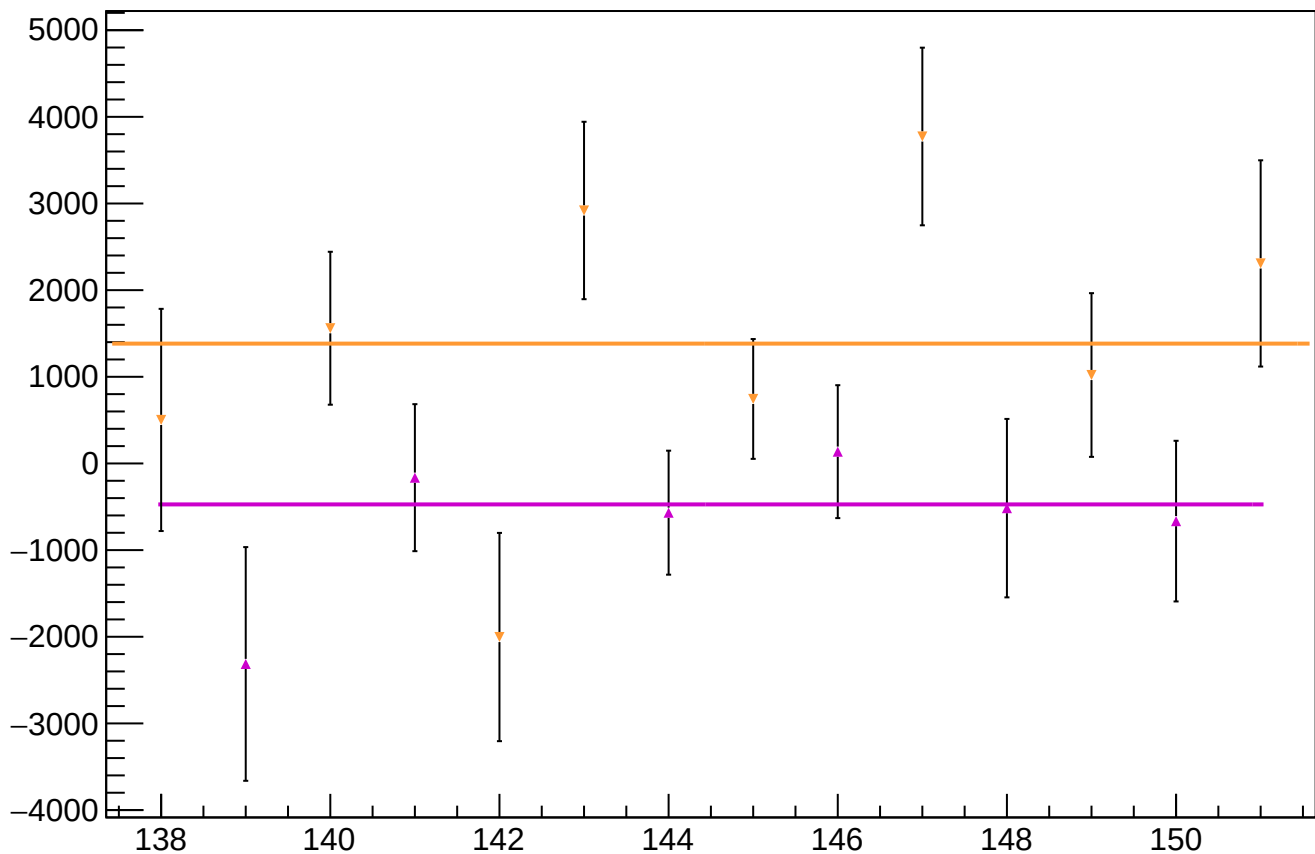
-412.182+/-247.469 χ^2/NDF : 33.8/13

523.155+/-357.948 χ^2/NDF : 2.5/5

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 1382.968+/-344.839 χ^2/NDF : 17.7/7

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

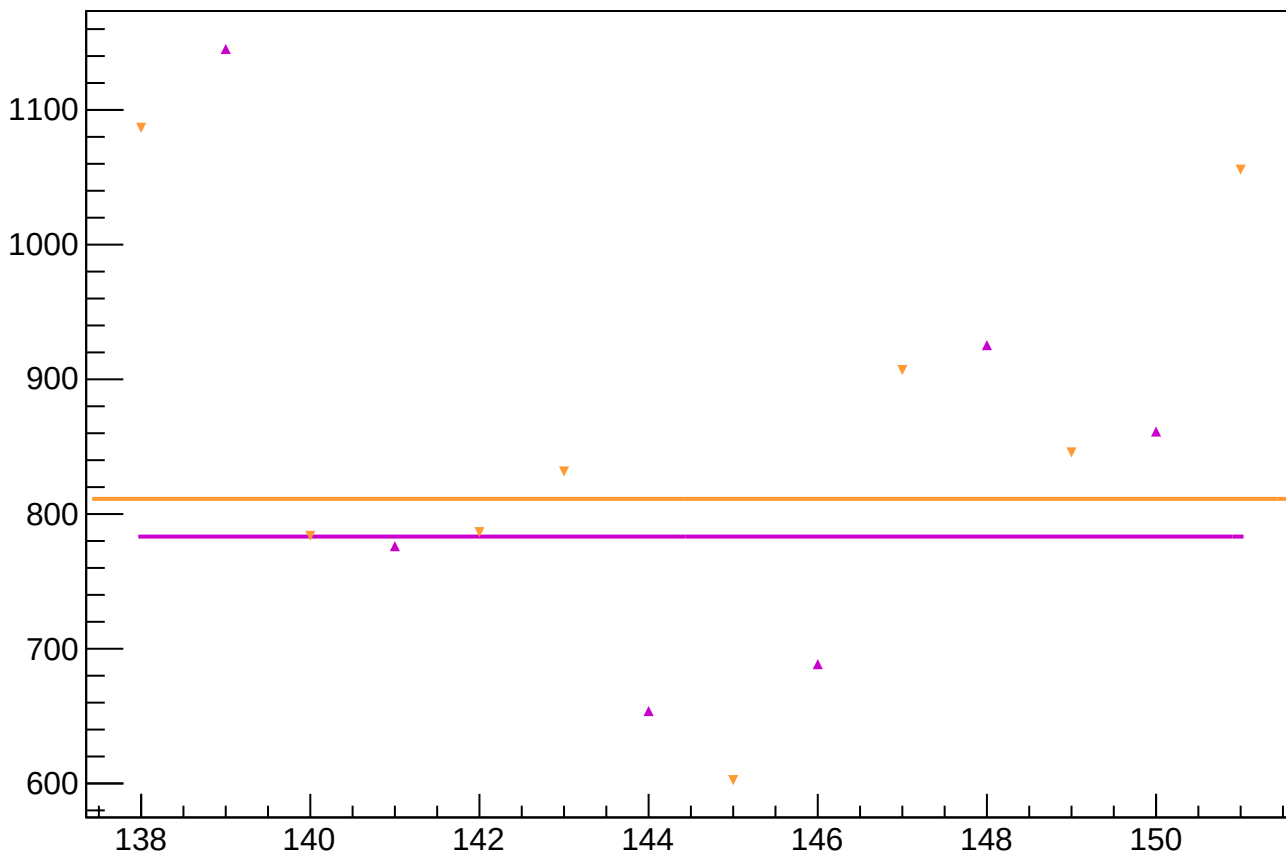
Left In: -472.620+/-360.369 χ^2/NDF : 2.7/5

1382.968+/-344.839 χ^2/NDF : 17.7/7

496.018+/-249.147 χ^2/NDF : 34.3/13

-472.620+/-360.369 χ^2/NDF : 2.7/5

asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 811.280+/-0.244 χ^2/NDF : 382661.2/7

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

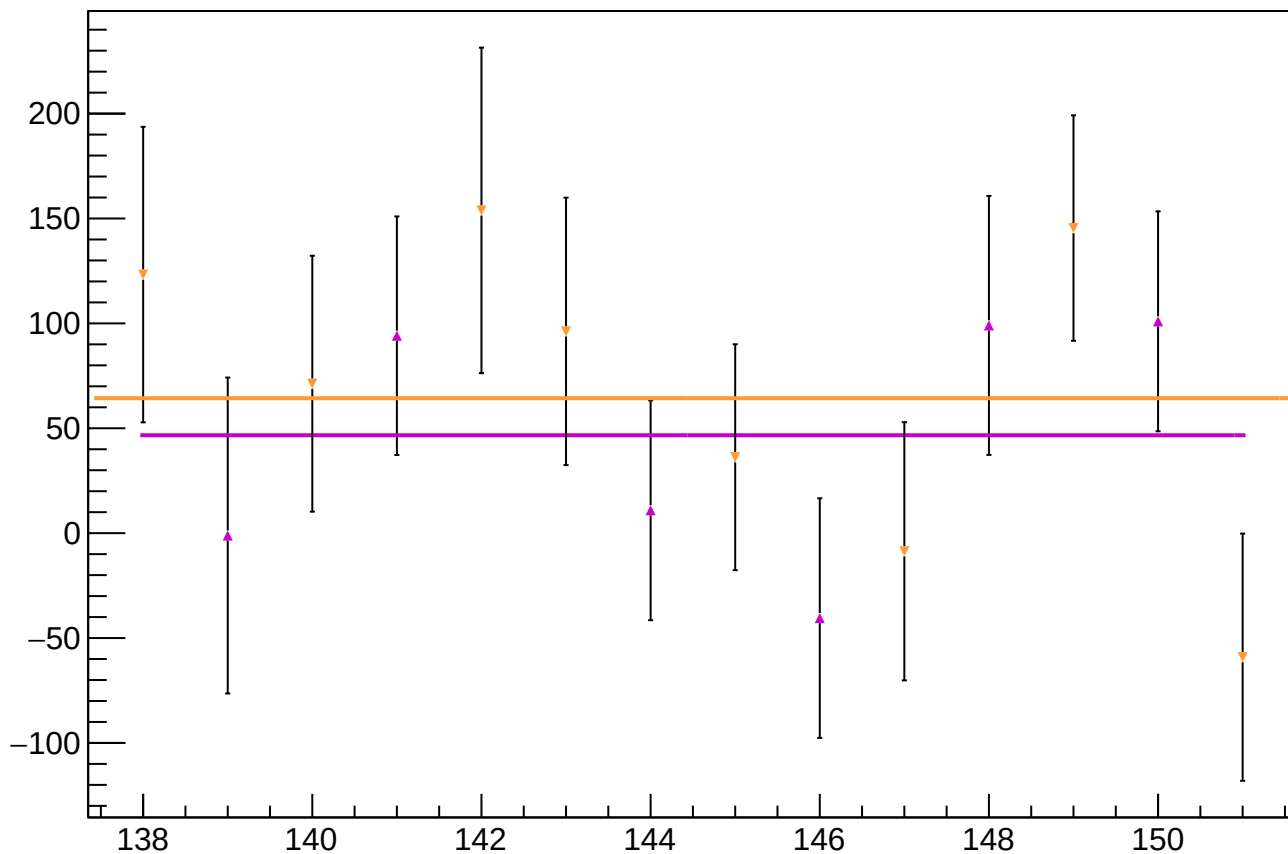
Left In: 783.278+/-0.255 χ^2/NDF : 292543.3/5

811.280+/-0.244 χ^2/NDF : 382661.2/7

797.895+/-0.176 χ^2/NDF : 681508.1/13

783.278+/-0.255 χ^2/NDF : 292543.3/5

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 64.333+/-21.689 χ^2/NDF : 10.6/7

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

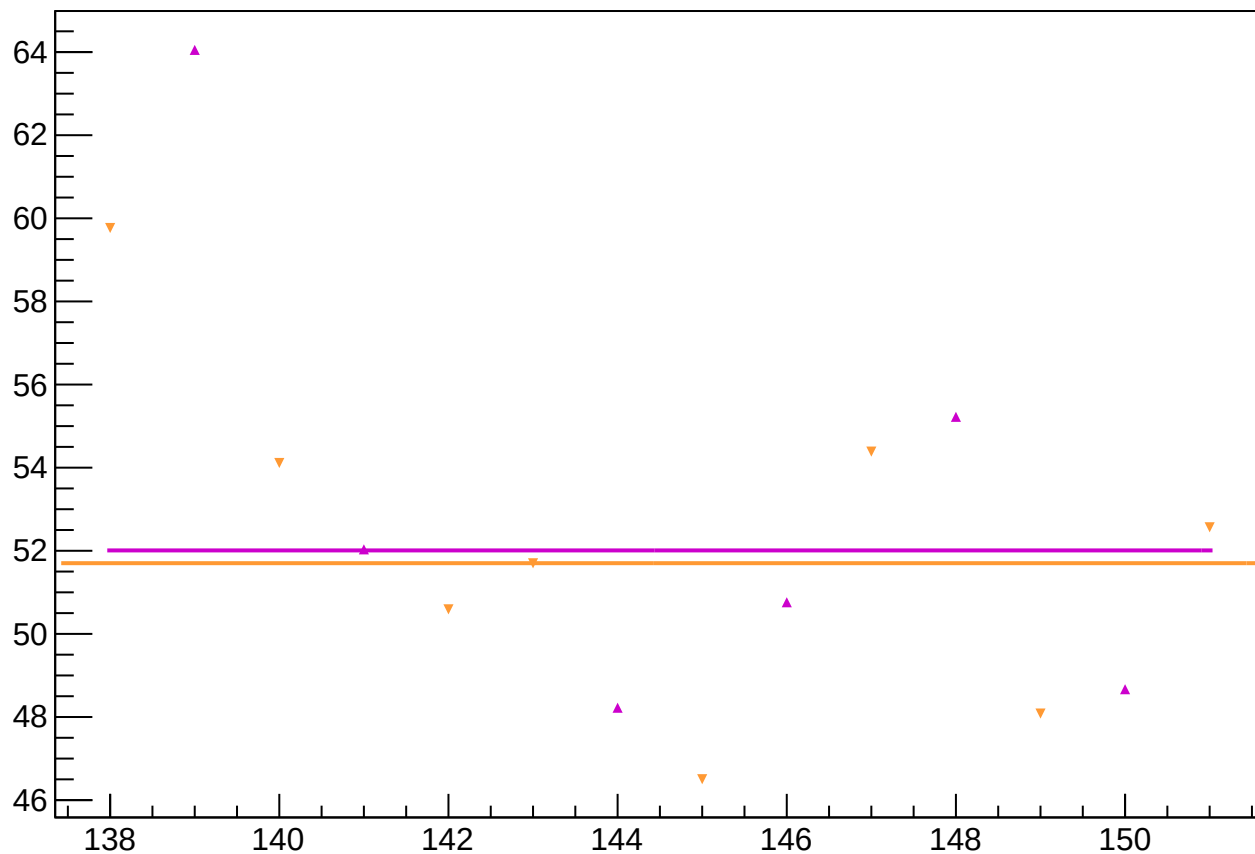
Left In: 46.679+/-23.684 χ^2/NDF : 5.7/5

64.333+/-21.689 χ^2/NDF : 10.6/7

56.281+/-15.995 χ^2/NDF : 16.6/13

46.679+/-23.684 χ^2/NDF : 5.7/5

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 51.702+/-0.015 χ^2/NDF : 61698.9/7

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

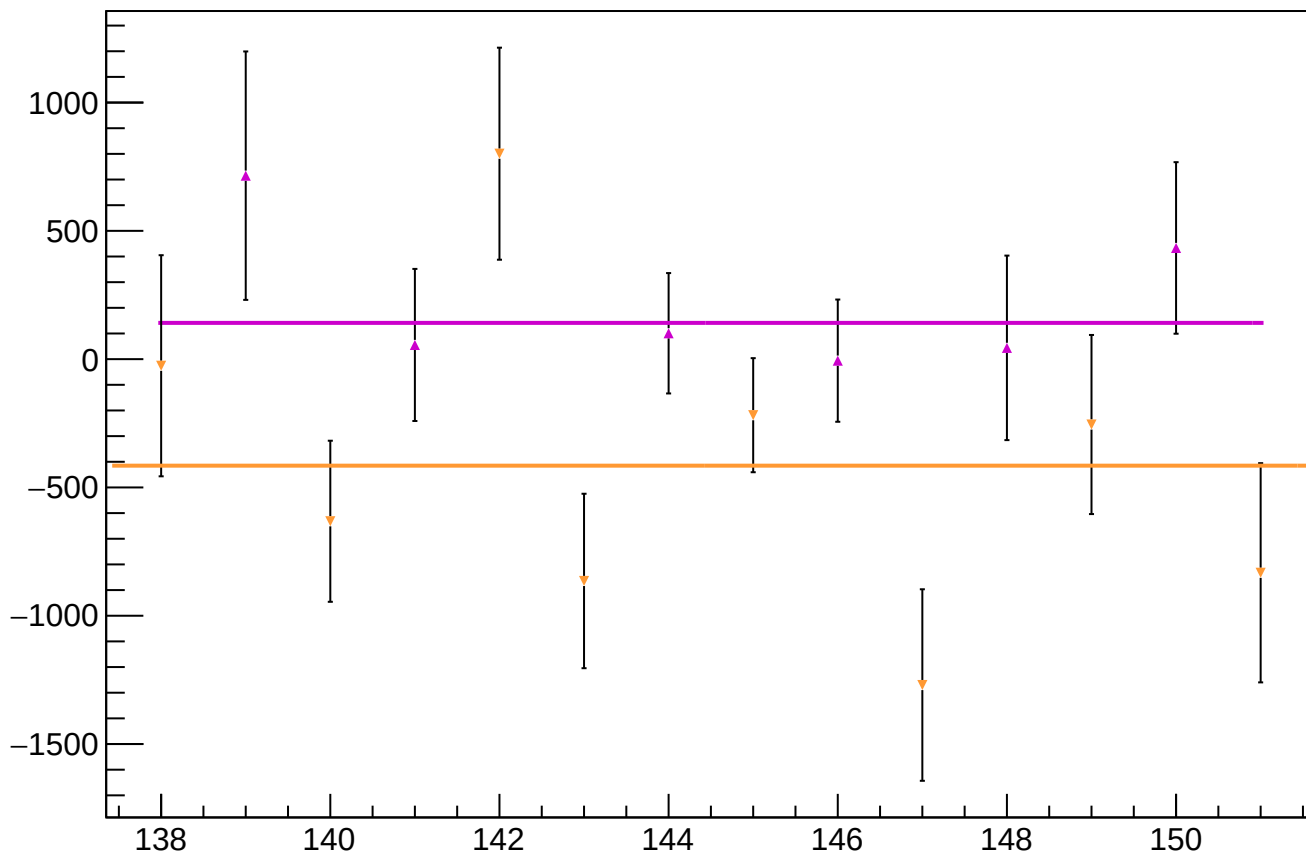
Left In: 52.009+/-0.017 χ^2/NDF : 76109.2/5

51.702+/-0.015 χ^2/NDF : 61698.9/7

51.842+/-0.011 χ^2/NDF : 137991.1/13

52.009+/-0.017 χ^2/NDF : 76109.2/5

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -415.108+/-118.552 χ^2/NDF : 18.9/7

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

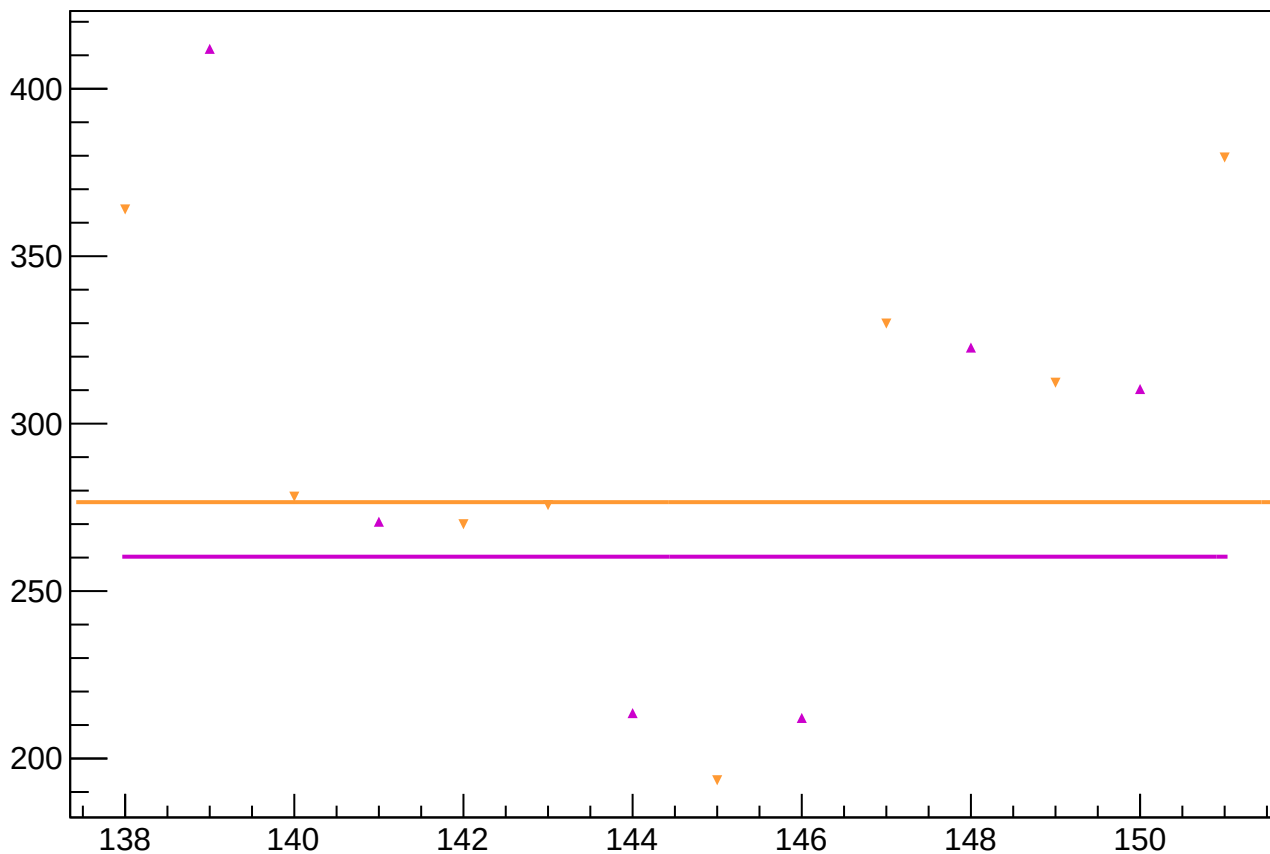
Left In: 141.336+/-121.147 χ^2/NDF : 2.7/5

-415.108+/-118.552 χ^2/NDF : 18.9/7

-142.909+/-84.731 χ^2/NDF : 32.4/13

141.336+/-121.147 χ^2/NDF : 2.7/5

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 276.555+/-0.084 χ^2/NDF : 539856.3/7

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

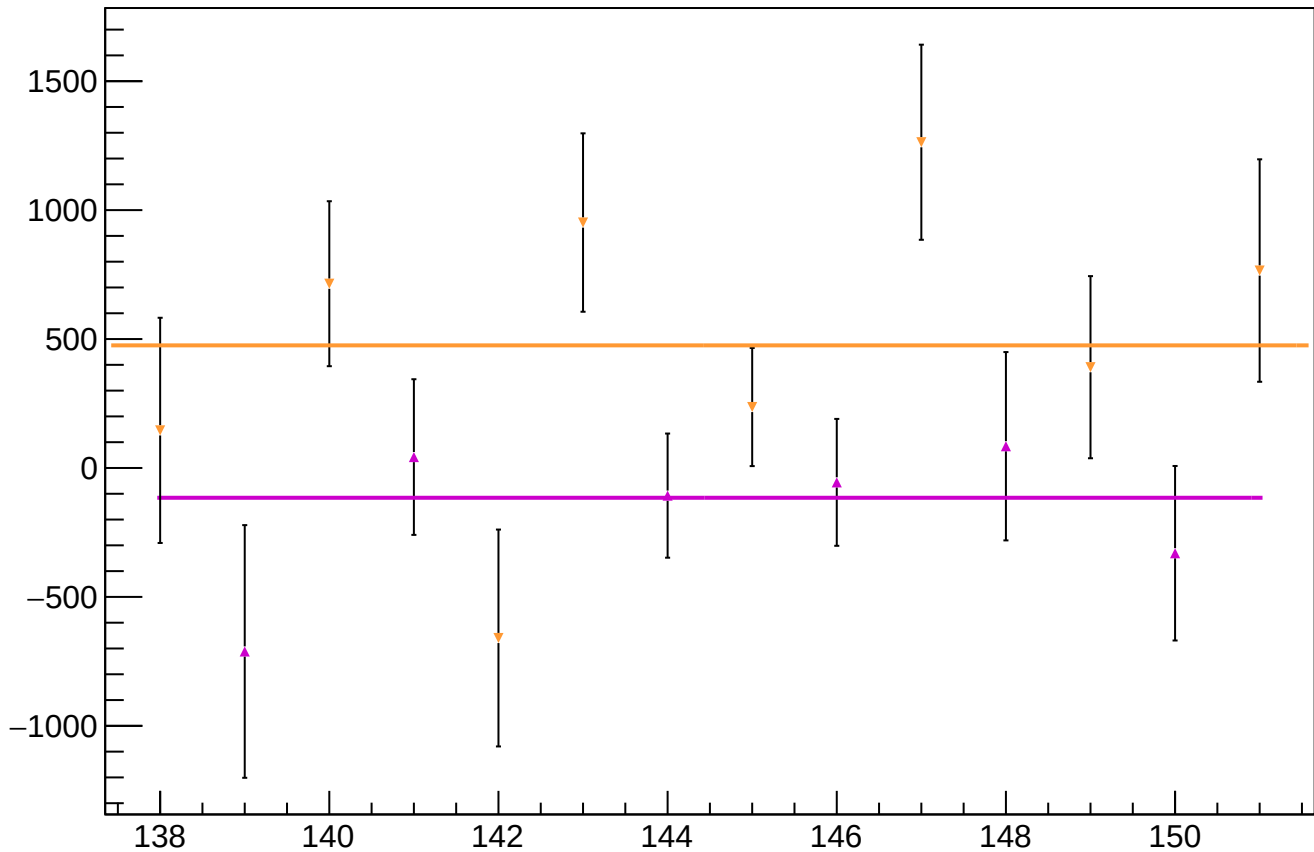
Left In: 260.270+/-0.086 χ^2/NDF : 465015.1/5

276.555+/-0.084 χ^2/NDF : 539856.3/7

268.589+/-0.060 χ^2/NDF : 1023334.1/13

260.270+/-0.086 χ^2/NDF : 465015.1/5

asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 475.484+/-120.858 χ^2/NDF : 16.2/7

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

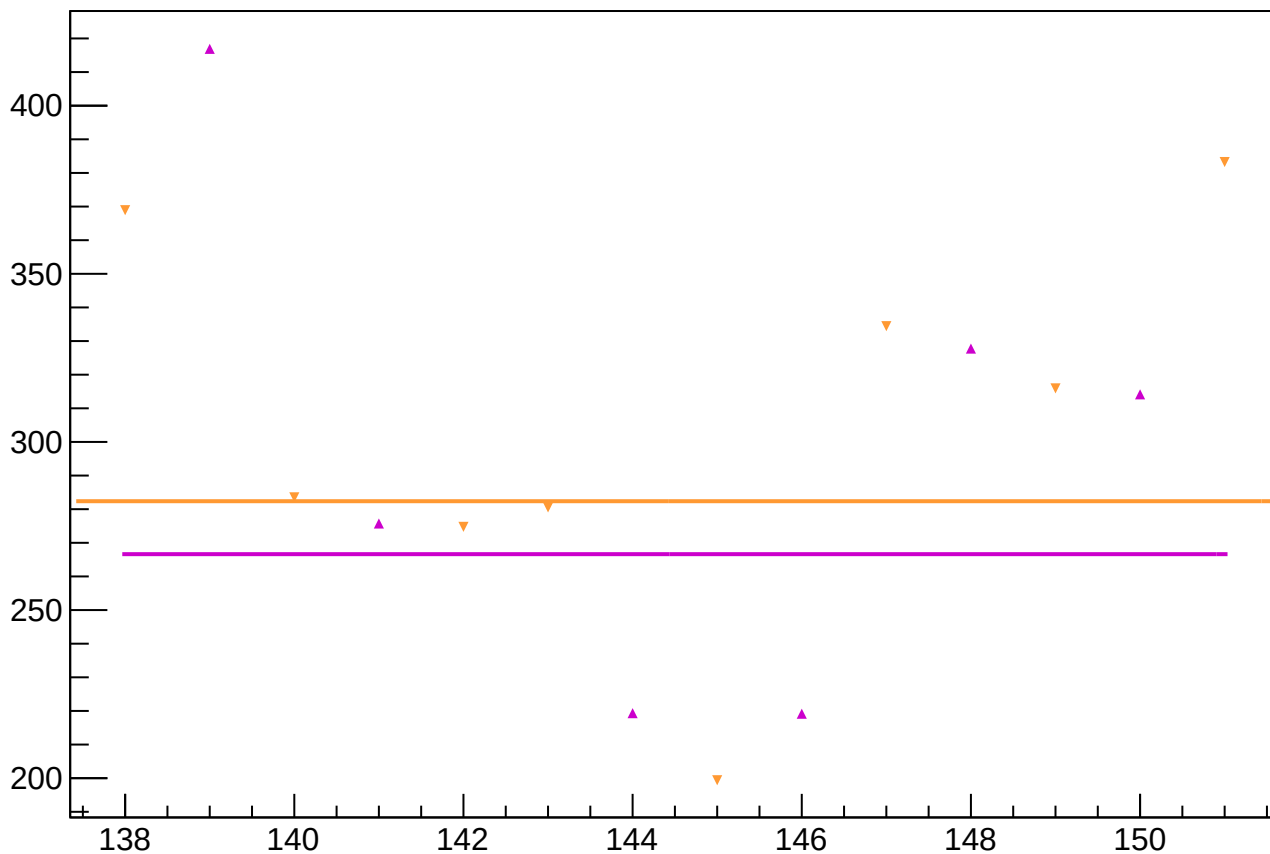
Left In: -115.513+/-123.894 χ^2/NDF : 2.5/5

475.484+/-120.858 χ^2/NDF : 16.2/7

187.314+/-86.513 χ^2/NDF : 30.4/13

-115.513+/-123.894 χ^2/NDF : 2.5/5

asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 282.373+/-0.085 χ^2/NDF : 507038.7/7

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

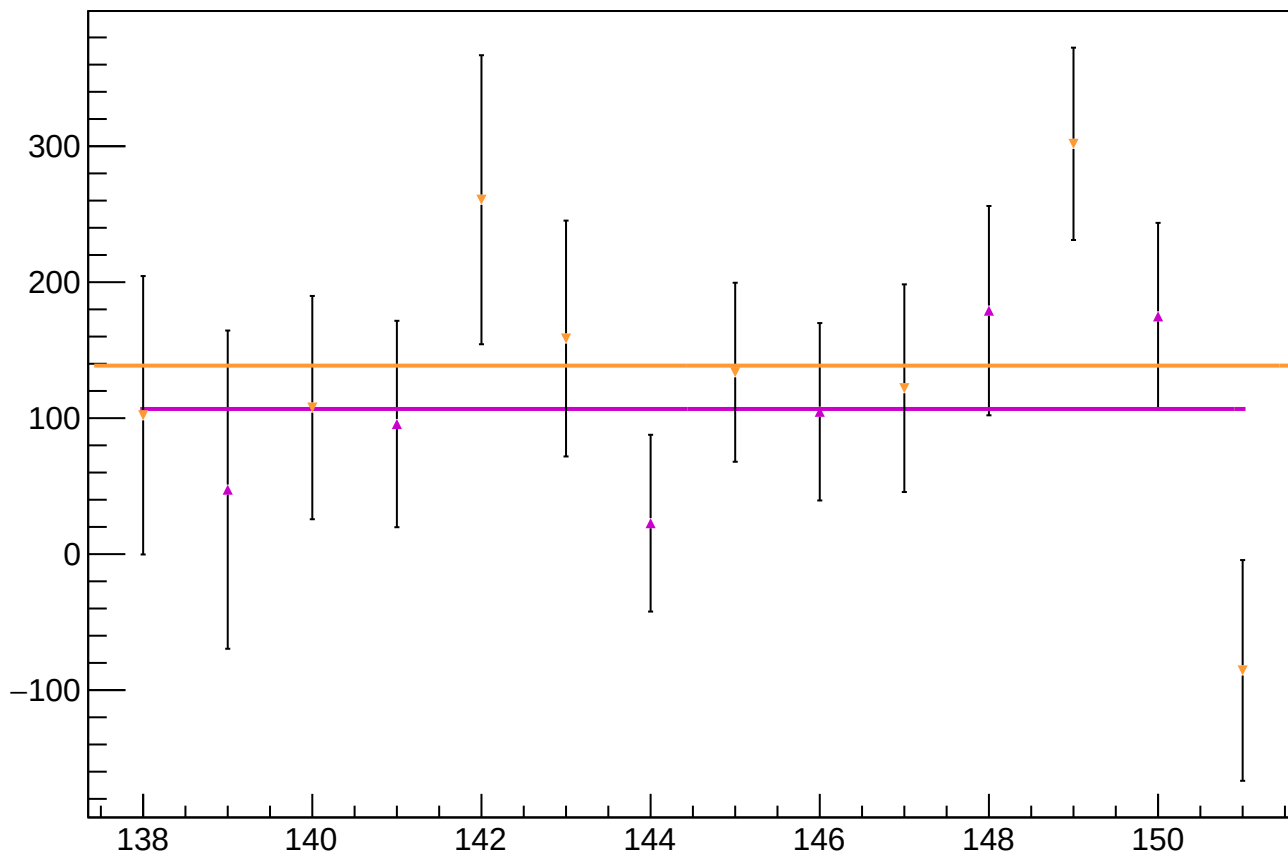
Left In: 266.625+/-0.088 χ^2/NDF : 437095.6/5

282.373+/-0.085 χ^2/NDF : 507038.7/7

274.695+/-0.061 χ^2/NDF : 960691.8/13

266.625+/-0.088 χ^2/NDF : 437095.6/5

reg_asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 138.637+/-28.640 χ^2/NDF : 14.6/7

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

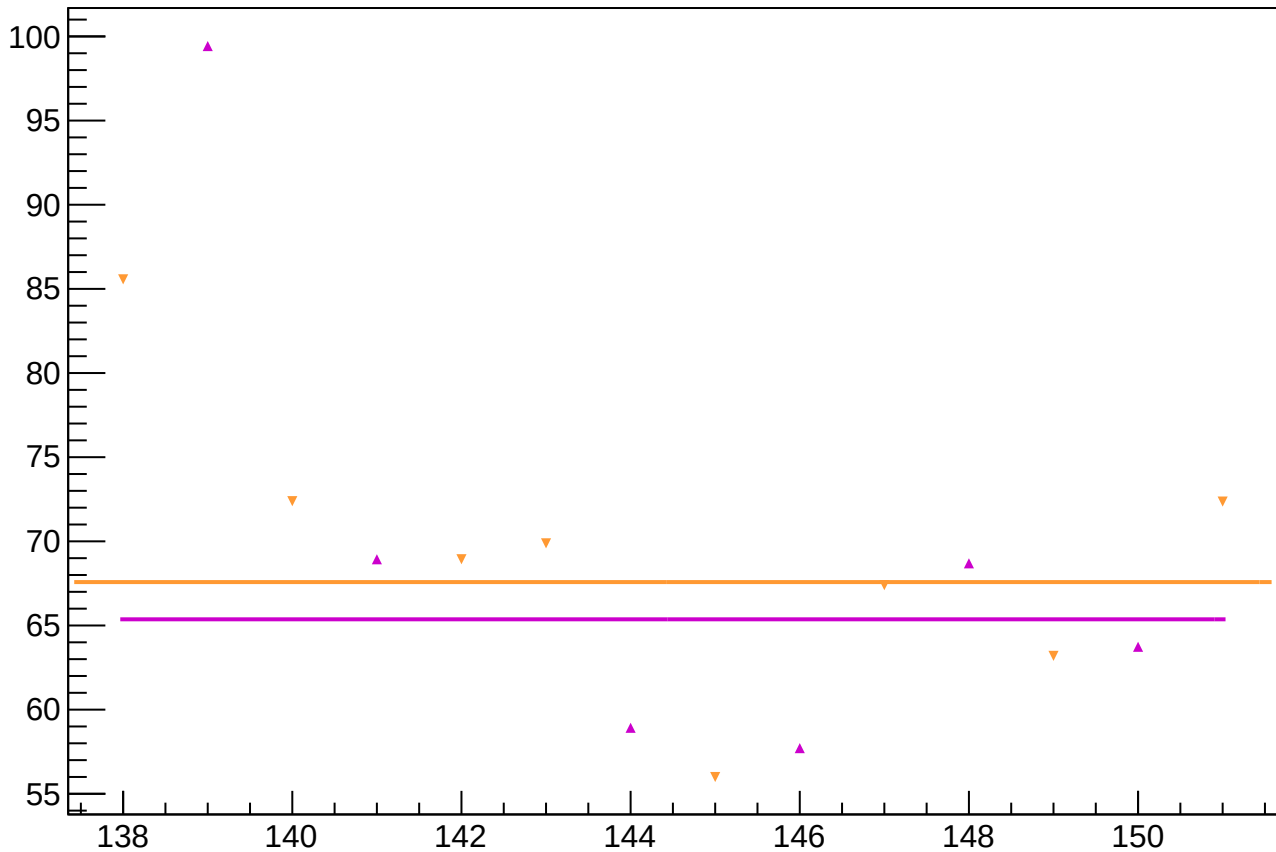
Left In: 106.756+/-30.171 χ^2/NDF : 3.8/5

138.637+/-28.640 χ^2/NDF : 14.6/7

123.526+/-20.772 χ^2/NDF : 19.0/13

106.756+/-30.171 χ^2/NDF : 3.8/5

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 67.579±/-0.020 χ^2/NDF :146891.5/7

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

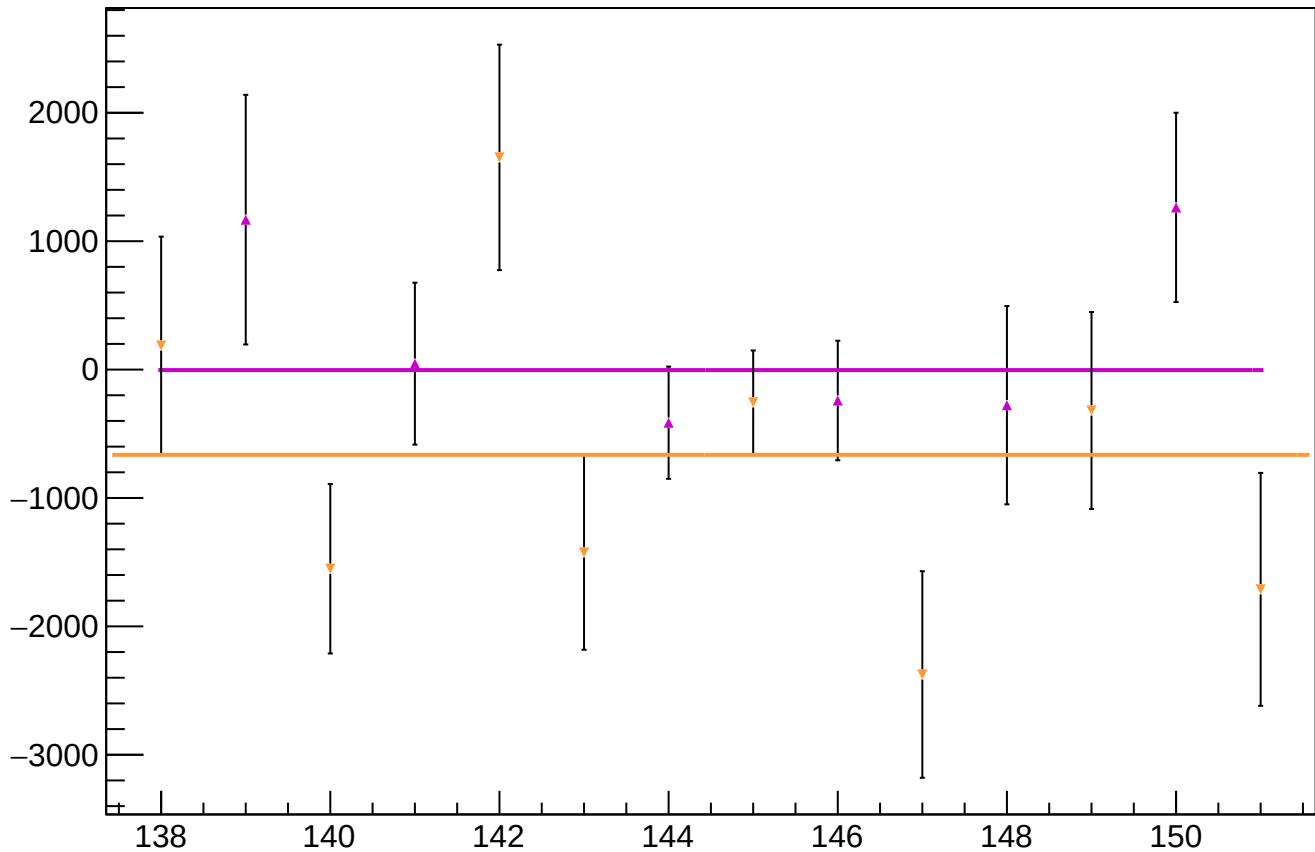
Left In: 65.367±/-0.021 χ^2/NDF :225908.7/5

67.579±/-0.020 χ^2/NDF : 146891.5/7

66.531±/-0.015 χ^2/NDF : 378458.3/13

65.367±/-0.021 χ^2/NDF : 225908.7/5

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -663.935+/-240.375 χ^2/NDF : 17.9/7

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

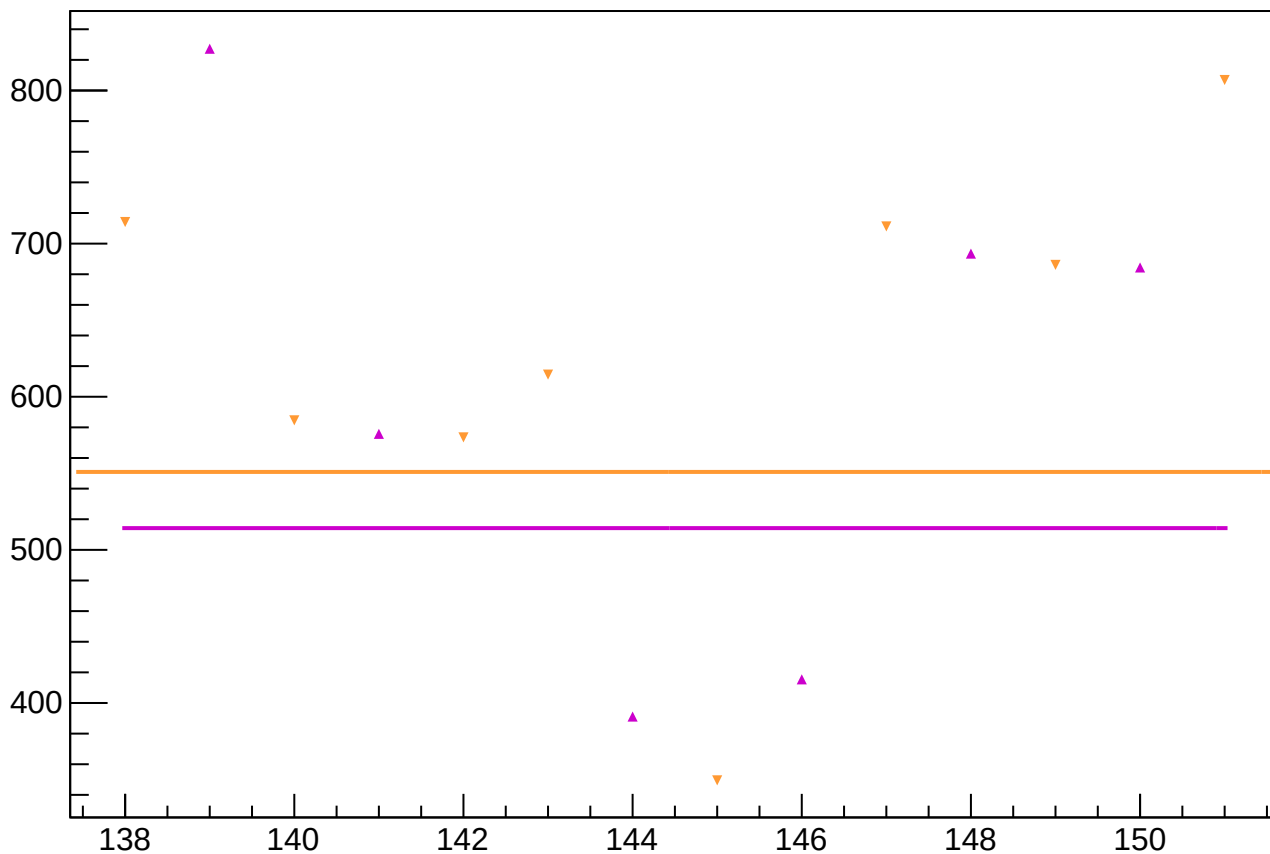
Left In: -3.832+/-242.960 χ^2/NDF : 5.7/5

-663.935+/-240.375 χ^2/NDF : 17.9/7

-337.415+/-170.877 χ^2/NDF : 27.3/13

-3.832+/-242.960 χ^2/NDF : 5.7/5

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 550.903+/-0.170 χ^2/NDF : 892268.0/7

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

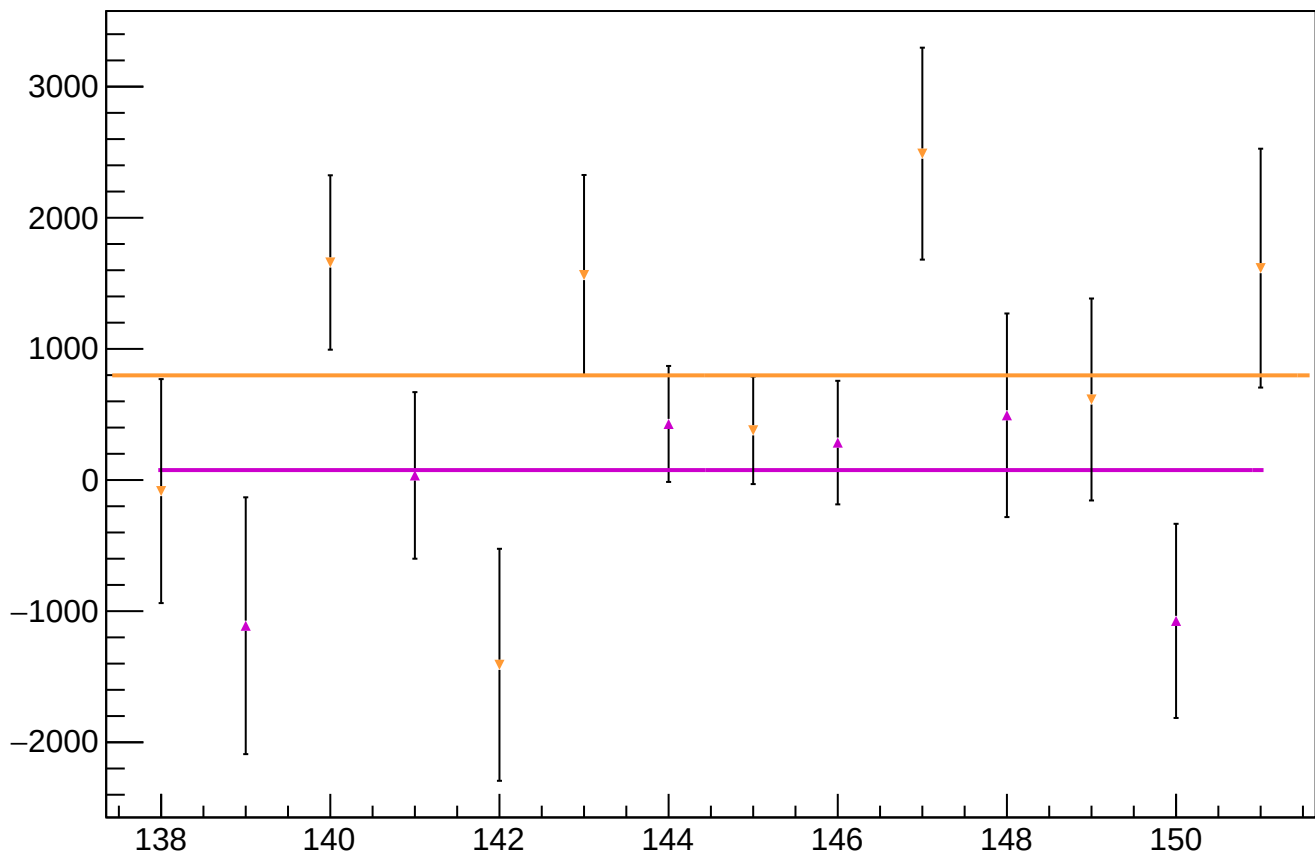
Left In: 514.205+/-0.172 χ^2/NDF : 689526.1/5

550.903+/-0.170 χ^2/NDF : 892268.0/7

532.751+/-0.121 χ^2/NDF : 1604853.1/13

514.205+/-0.172 χ^2/NDF : 689526.1/5

asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 798.244+/-242.553 χ^2/NDF : 16.3/7

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

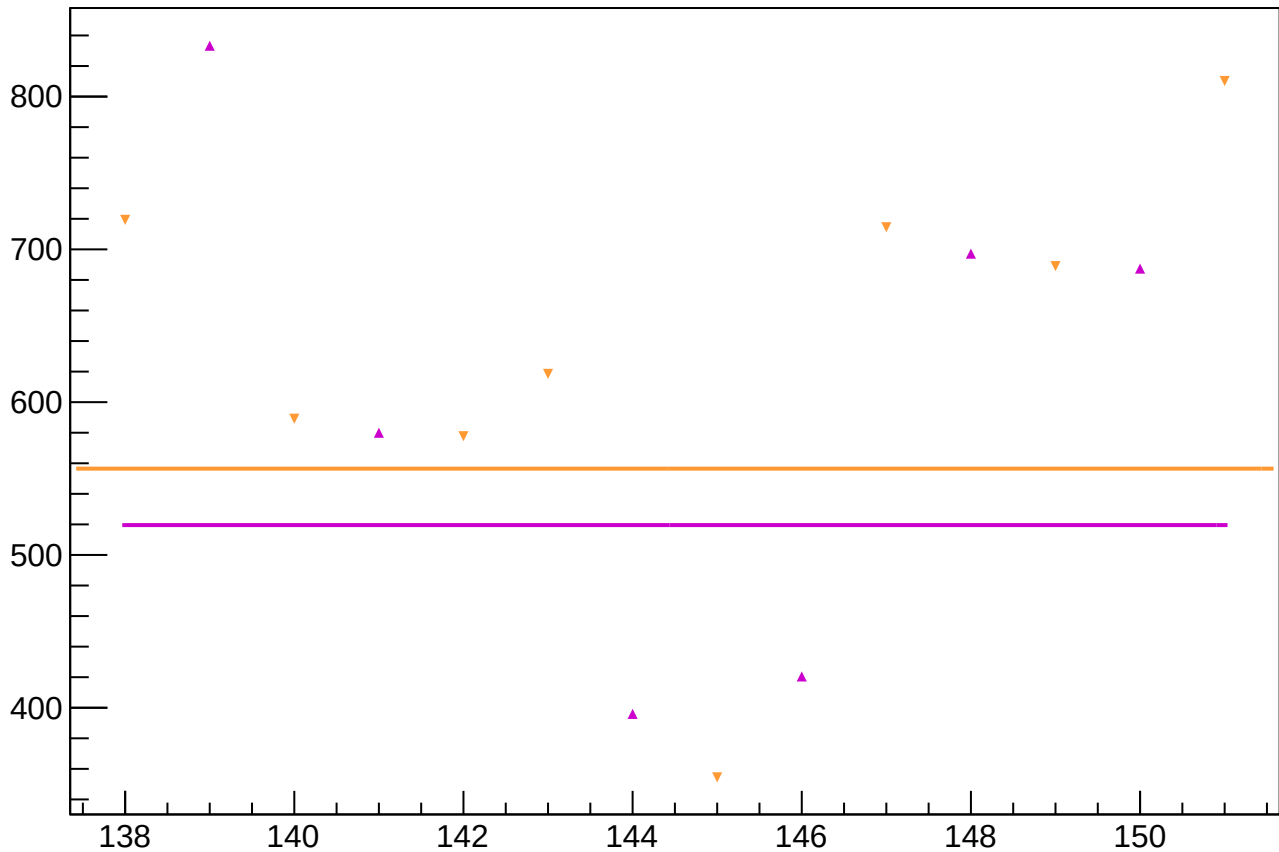
Left In: 75.847+/-245.276 χ^2/NDF : 5.0/5

798.244+/-242.553 χ^2/NDF : 16.3/7

441.079+/-172.465 χ^2/NDF : 25.7/13

75.847+/-245.276 χ^2/NDF : 5.0/5

asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 556.494+/-0.172 χ^2/NDF : 868361.3/7

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

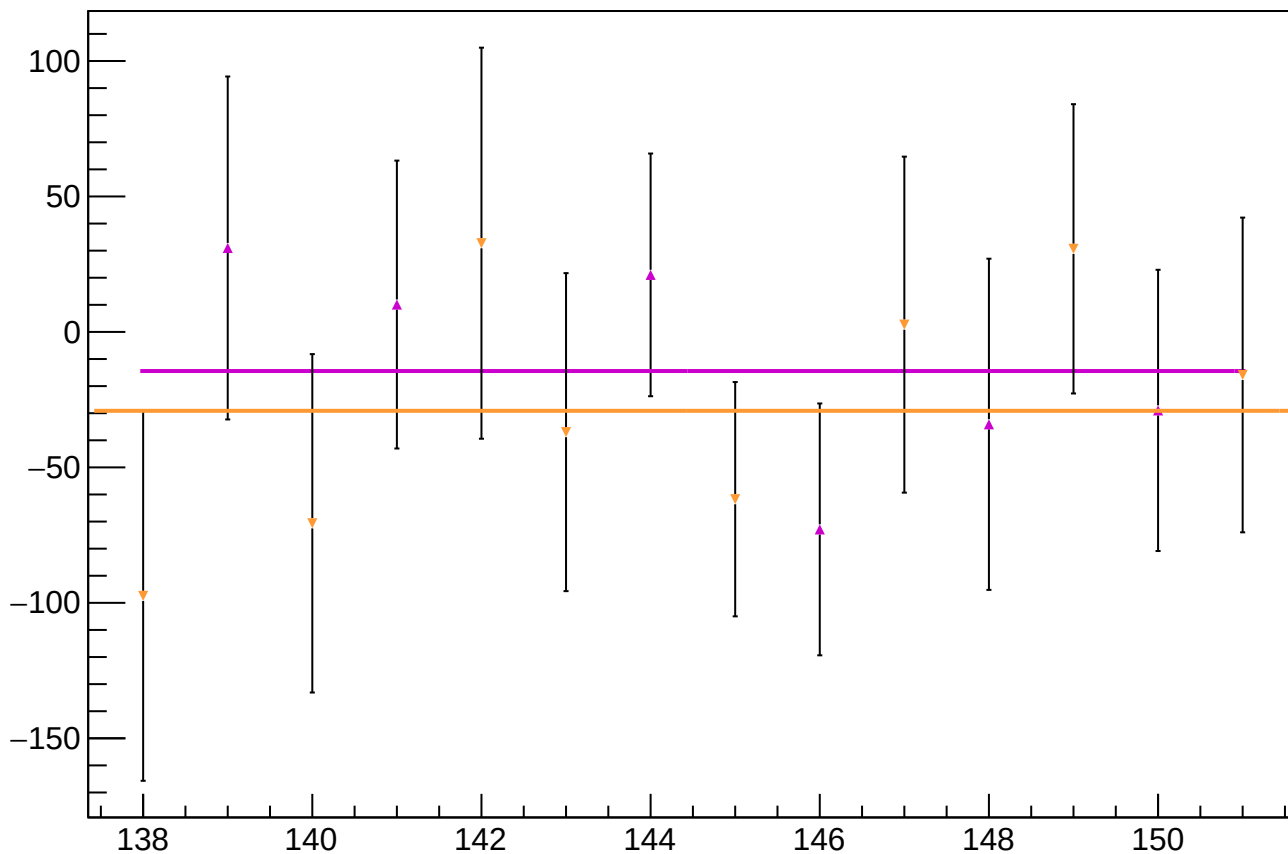
Left In: 519.545+/-0.173 χ^2/NDF : 675469.2/5

556.494+/-0.172 χ^2/NDF : 868361.3/7

538.226+/-0.122 χ^2/NDF : 1566777.3/13

519.545+/-0.173 χ^2/NDF : 675469.2/5

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: -29.116+/-20.432 χ^2/NDF : 4.3/7

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

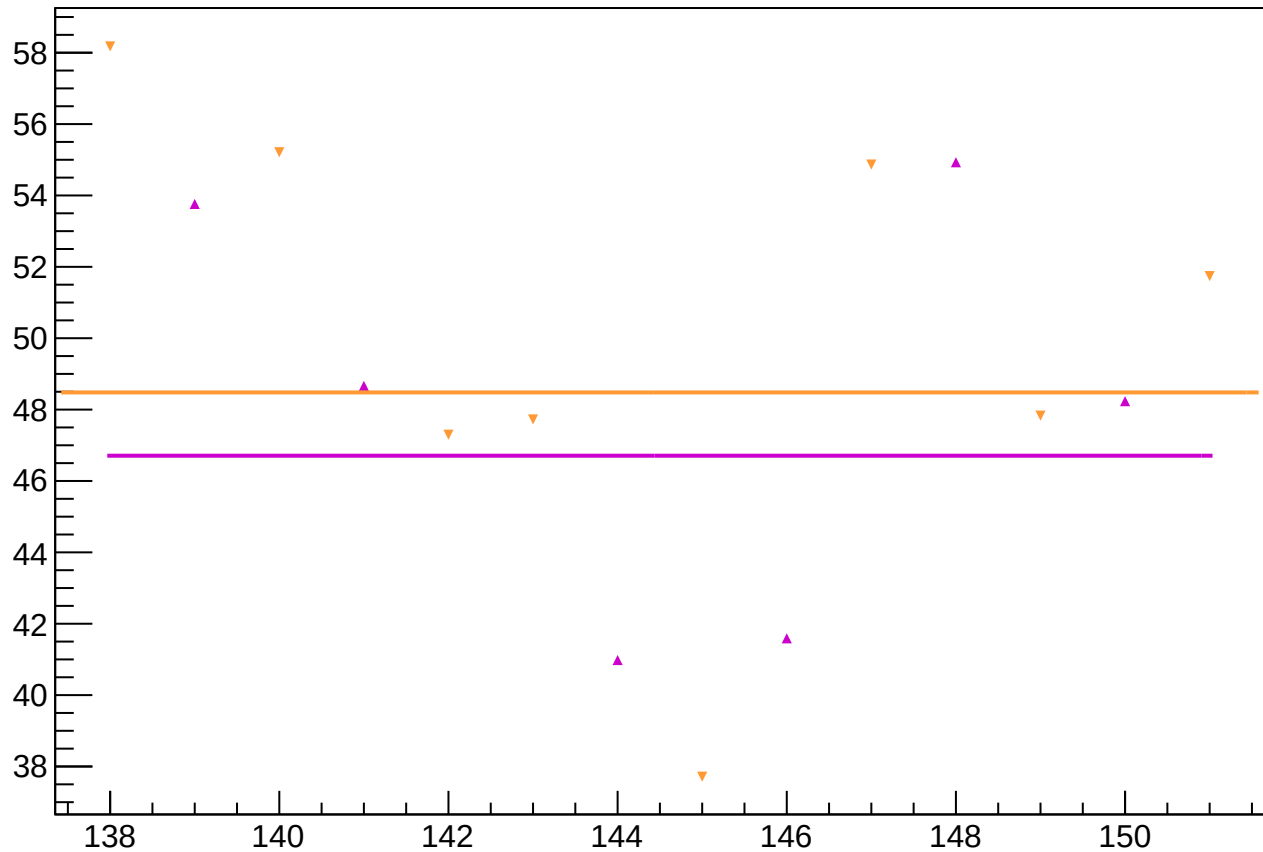
Left In: -14.431+/-21.300 χ^2/NDF : 3.1/5

-29.116+/-20.432 χ^2/NDF : 4.3/7

-22.079+/-14.745 χ^2/NDF : 7.7/13

-14.431+/-21.300 χ^2/NDF : 3.1/5

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: 48.481+/-0.014 χ^2/NDF : 216269.5/7

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

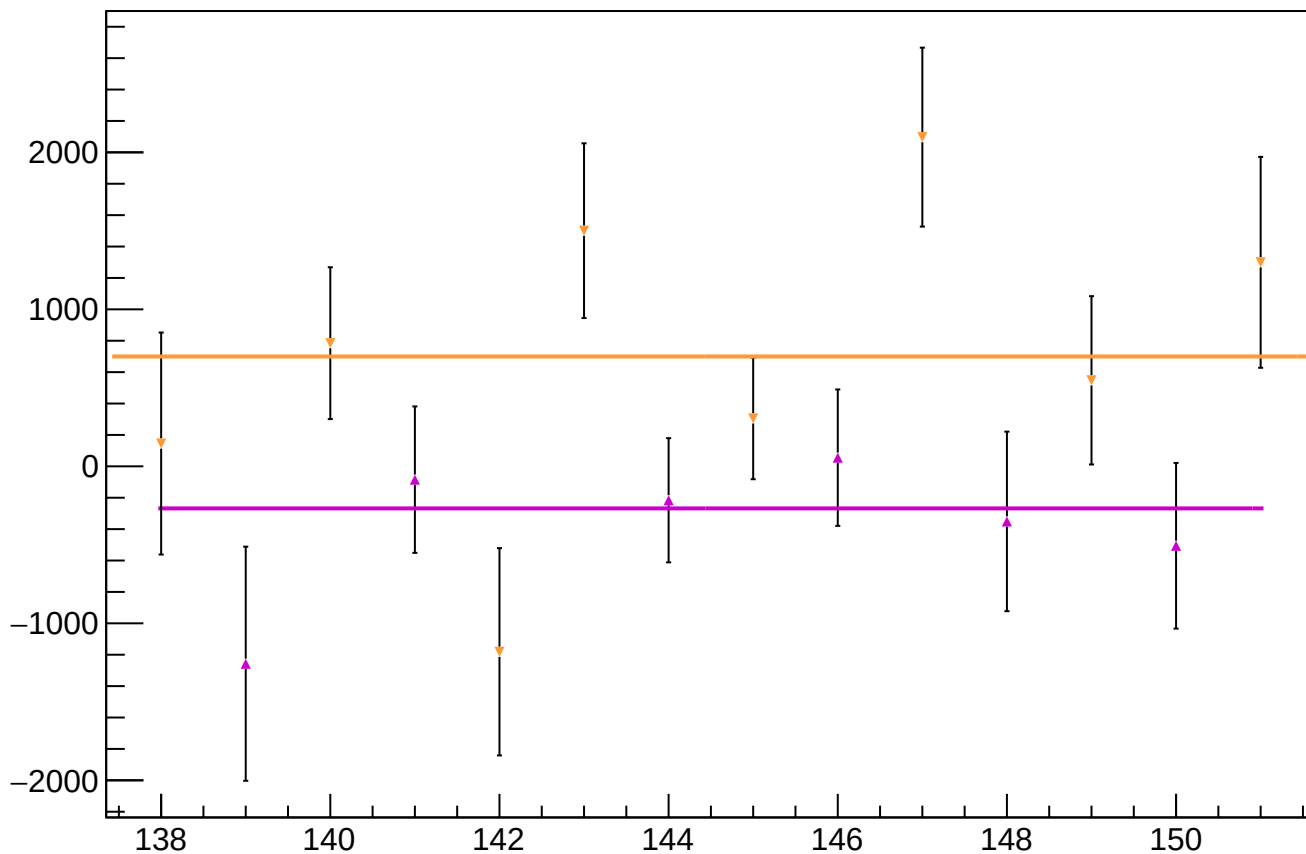
Left In: 46.708+/-0.015 χ^2/NDF : 122396.9/5

48.481+/-0.014 χ^2/NDF : 216269.5/7

47.631+/-0.010 χ^2/NDF : 345882.2/13

46.708+/-0.015 χ^2/NDF : 122396.9/5

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: 699.760+/-191.605 χ^2/NDF : 18.8/7

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

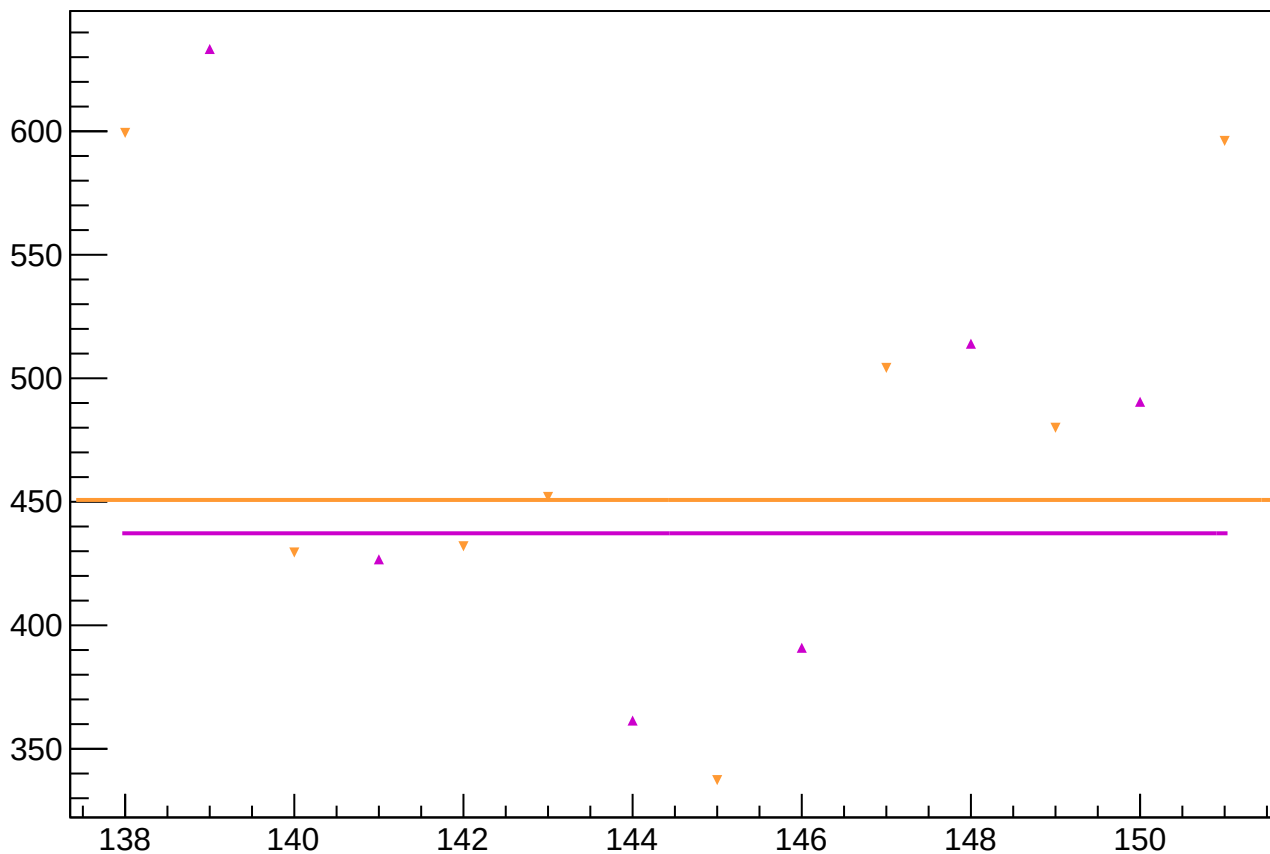
Left In: -268.008+/-201.081 χ^2/NDF : 2.7/5

699.760+/-191.605 χ^2/NDF : 18.8/7

239.216+/-138.714 χ^2/NDF : 33.6/13

-268.008+/-201.081 χ^2/NDF : 2.7/5

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: 450.753+/-0.135 χ^2/NDF : 382350.8/7

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

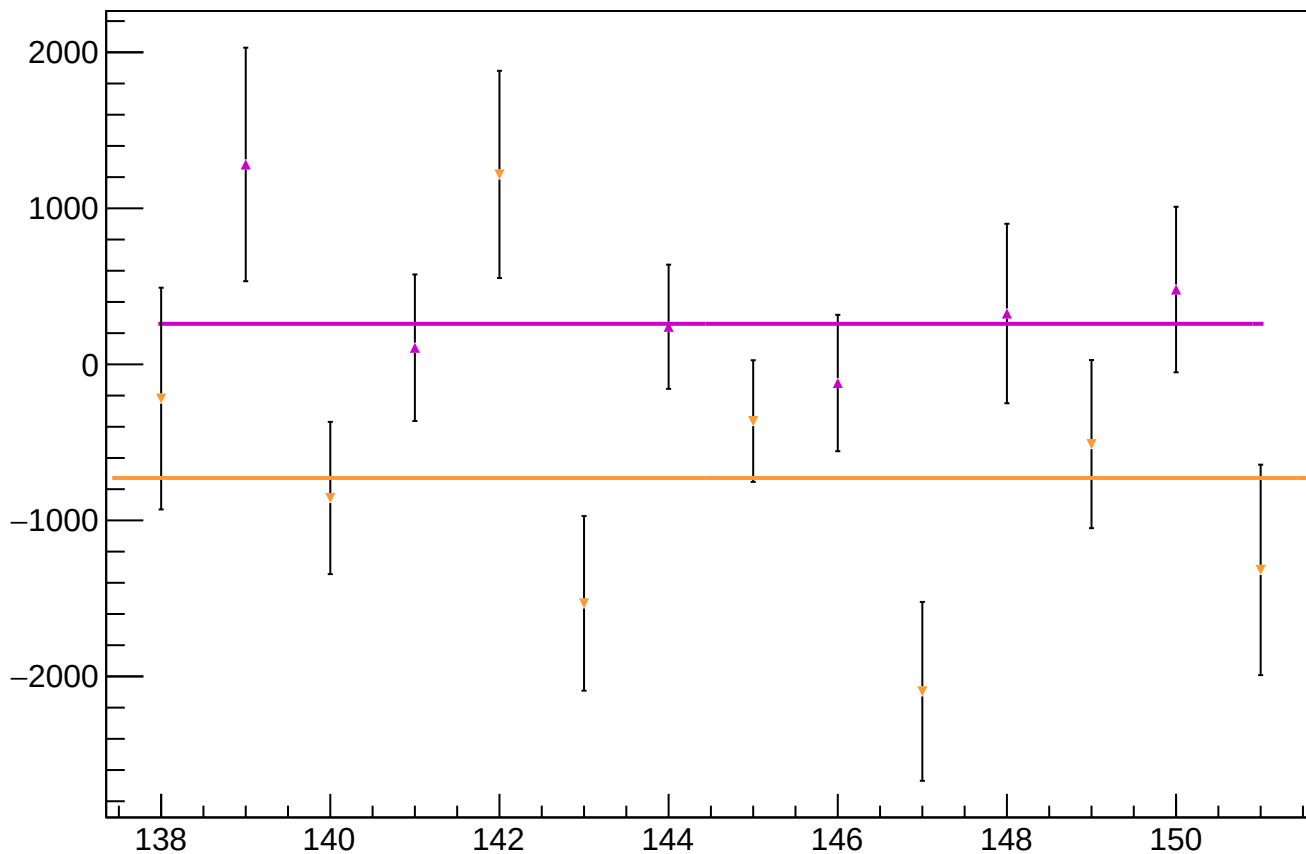
Left In: 437.254+/-0.142 χ^2/NDF : 291890.3/5

450.753+/-0.135 χ^2/NDF : 382350.8/7

444.329+/-0.098 χ^2/NDF : 678965.3/13

437.254+/-0.142 χ^2/NDF : 291890.3/5

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -728.091+/-192.768 χ^2/NDF : 18.7/7

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

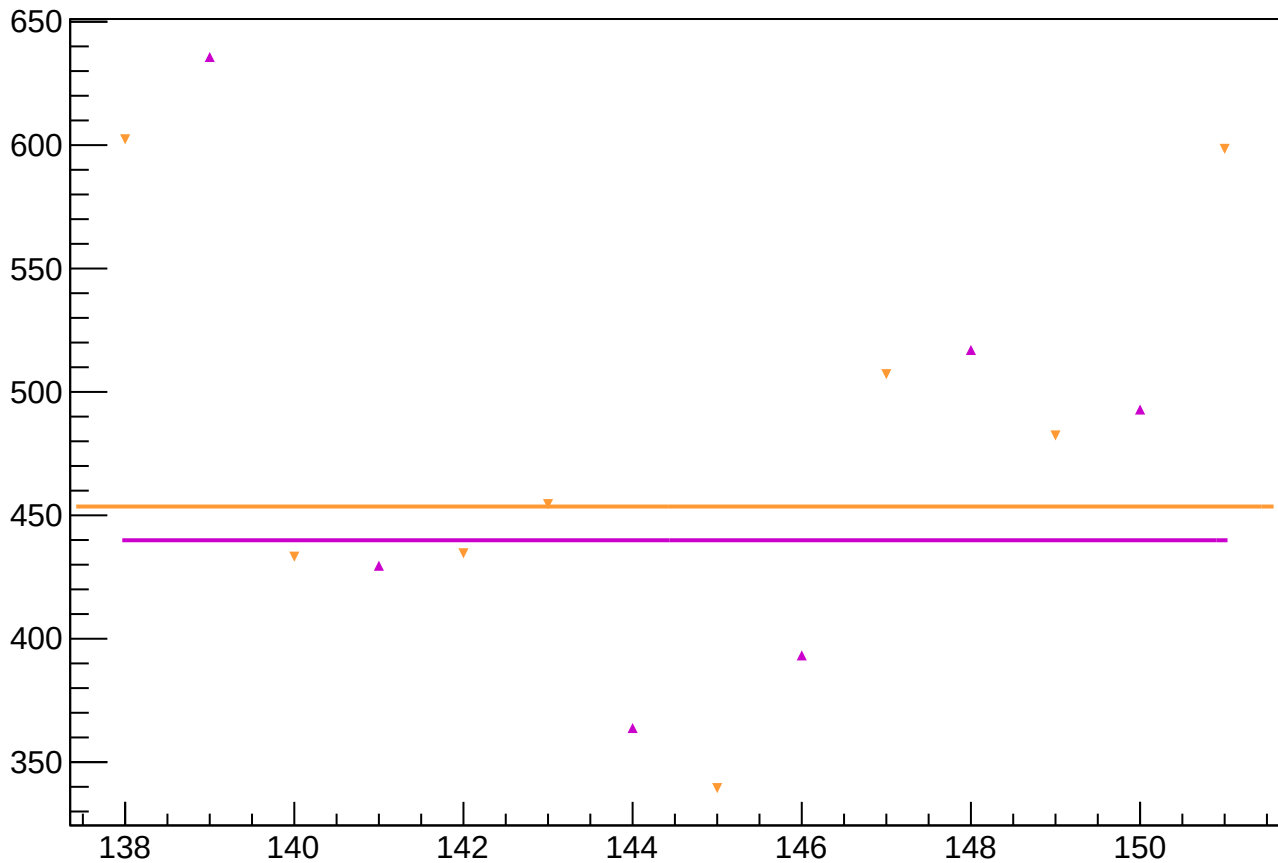
Left In: 260.005+/-202.267 χ^2/NDF : 2.9/5

-728.091+/-192.768 χ^2/NDF : 18.7/7

-257.790+/-139.545 χ^2/NDF : 34.1/13

260.005+/-202.267 χ^2/NDF : 2.9/5

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 453.566+/-0.136 χ^2/NDF : 379610.2/7

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

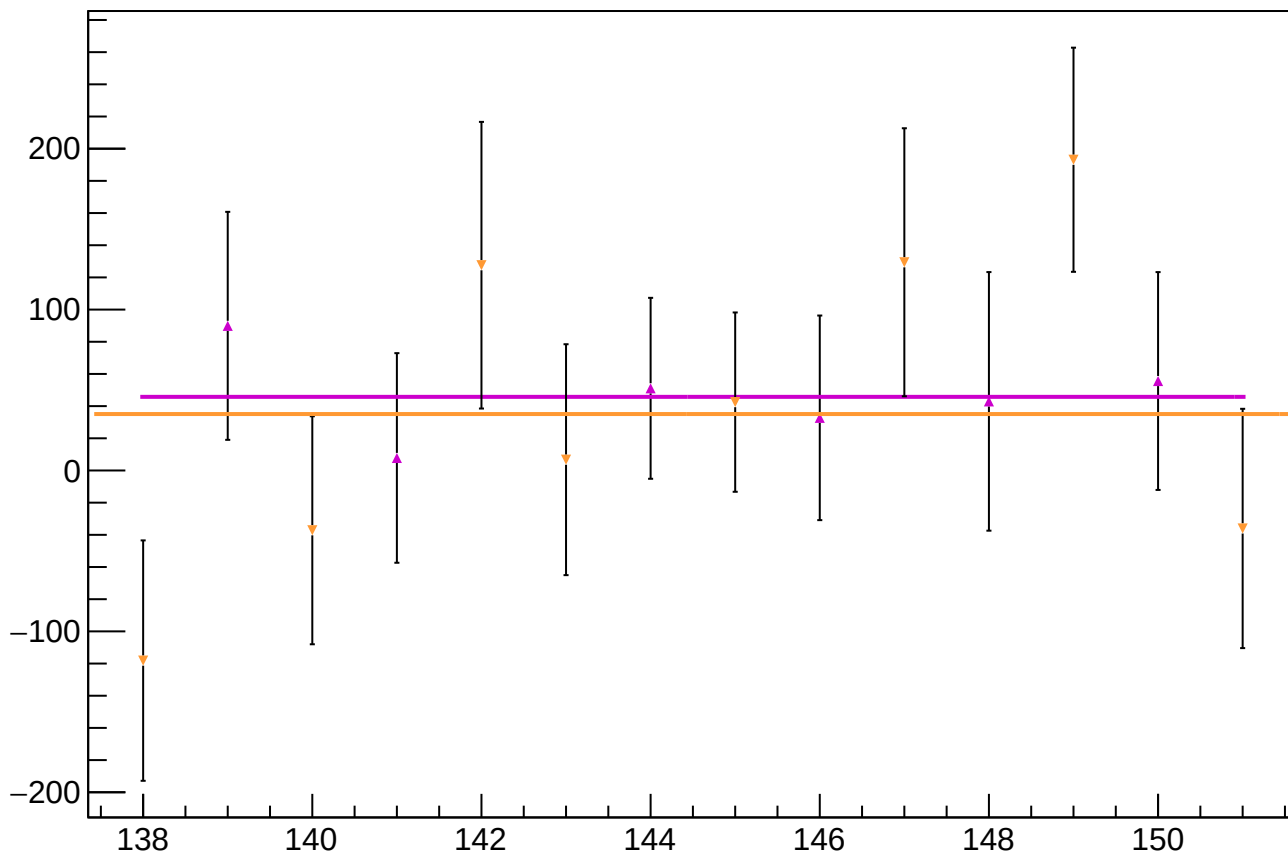
Left In: 439.900+/-0.143 χ^2/NDF : 289567.3/5

453.566+/-0.136 χ^2/NDF : 379610.2/7

447.062+/-0.099 χ^2/NDF : 673962.3/13

439.900+/-0.143 χ^2/NDF : 289567.3/5

reg_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: 35.075+/-25.387 χ^2/NDF :13.8/7

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

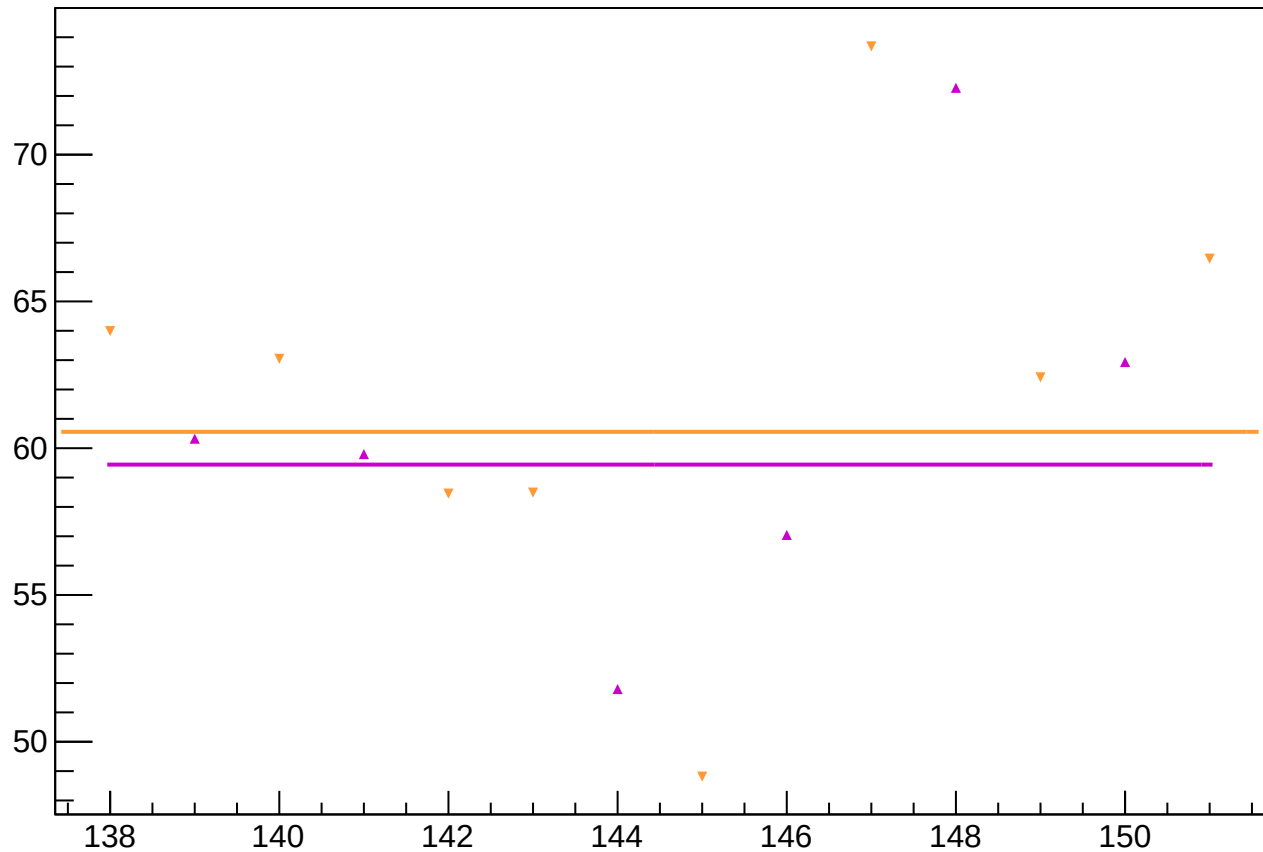
Left In: 45.765+/-27.002 χ^2/NDF :0.8/5

35.075+/-25.387 χ^2/NDF : 13.8/7

40.091+/-18.496 χ^2/NDF : 14.7/13

45.765+/-27.002 χ^2/NDF : 0.8/5

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: 60.559+/-0.018 χ^2/NDF : 162029.6/7

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

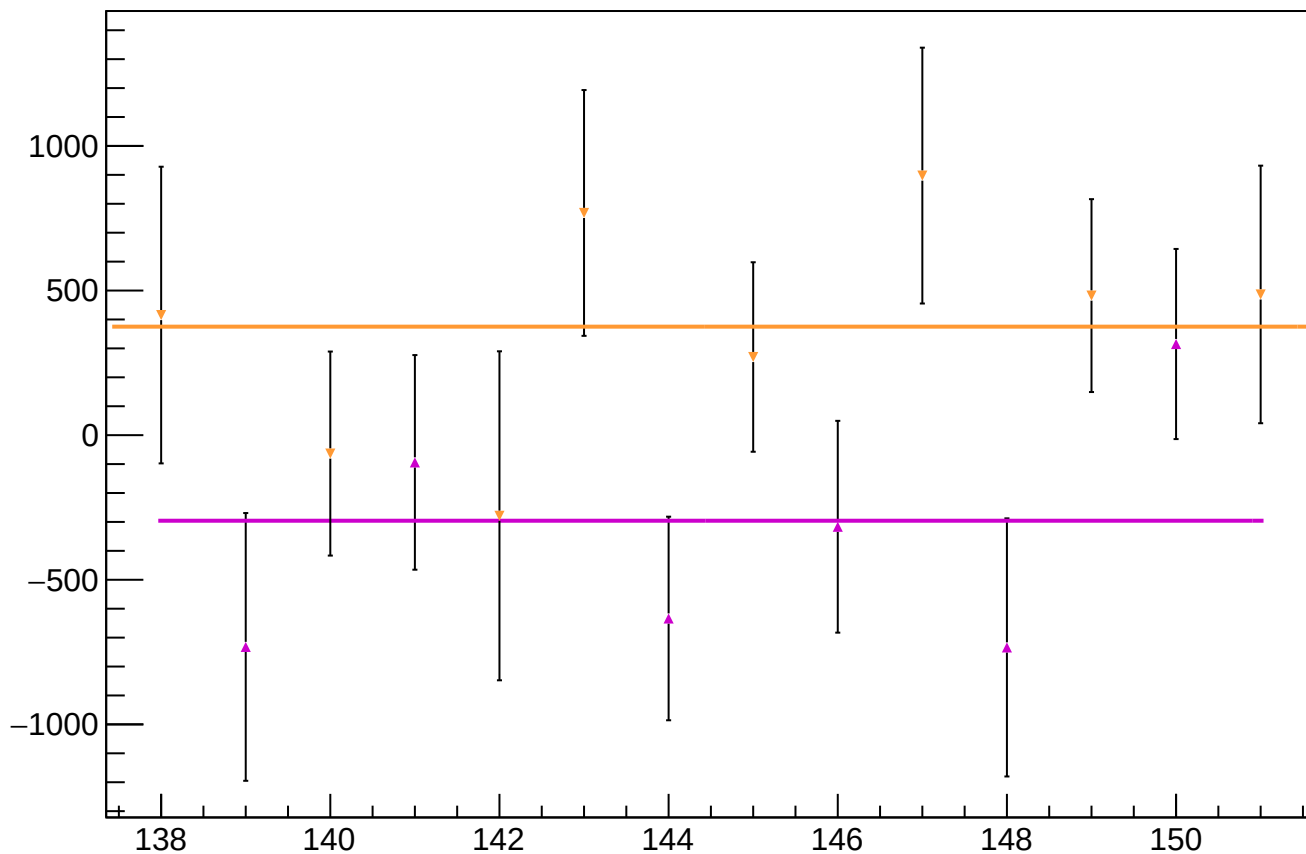
Left In: 59.441+/-0.019 χ^2/NDF : 96547.5/5

60.559+/-0.018 χ^2/NDF : 162029.6/7

60.034+/-0.013 χ^2/NDF : 260395.8/13

59.441+/-0.019 χ^2/NDF : 96547.5/5

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: 375.174+/-142.951 χ^2/NDF : 5.4/7

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

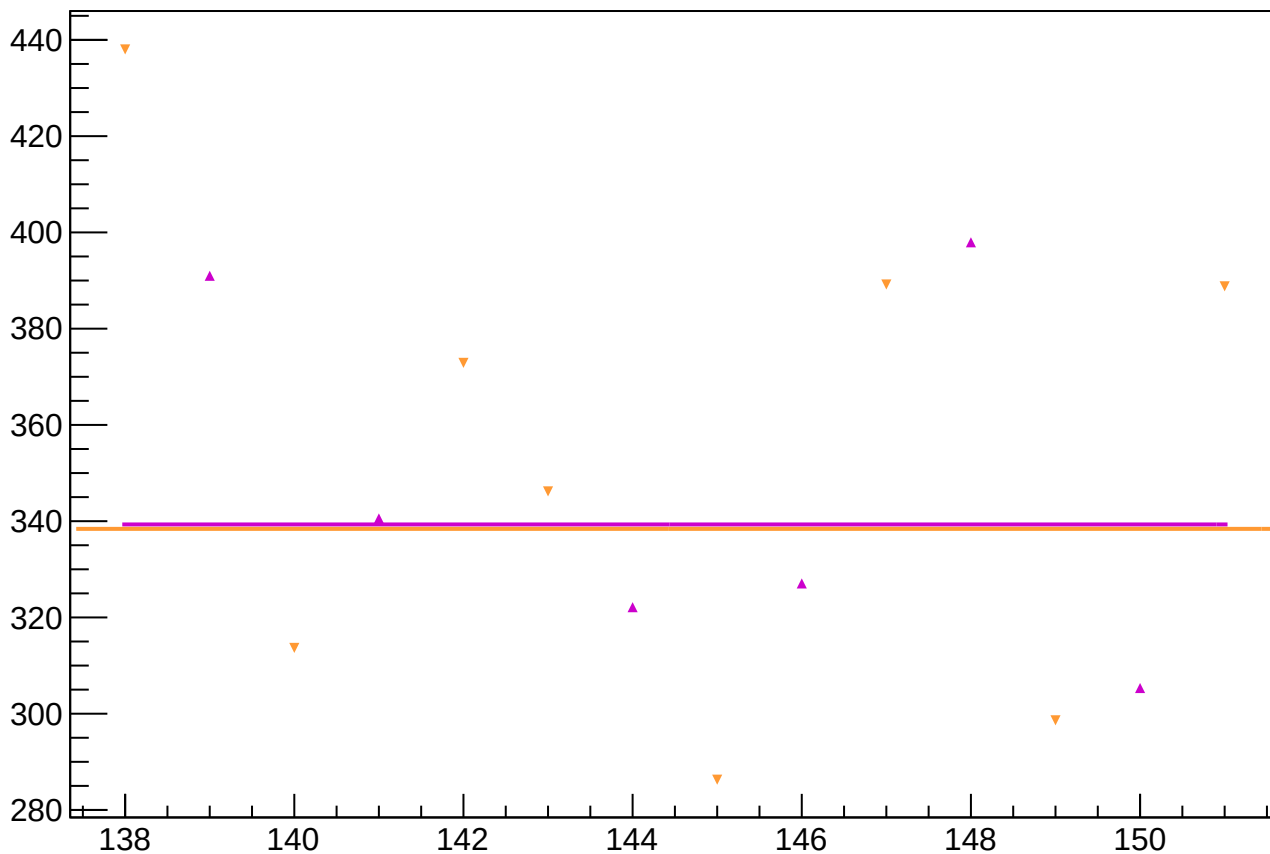
Left In: -295.844+/-154.786 χ^2/NDF : 6.5/5

375.174+/-142.951 χ^2/NDF : 5.4/7

66.297+/-105.017 χ^2/NDF : 22.1/13

-295.844+/-154.786 χ^2/NDF : 6.5/5

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: 338.404+/-0.101 χ^2/NDF : 224365.1/7

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

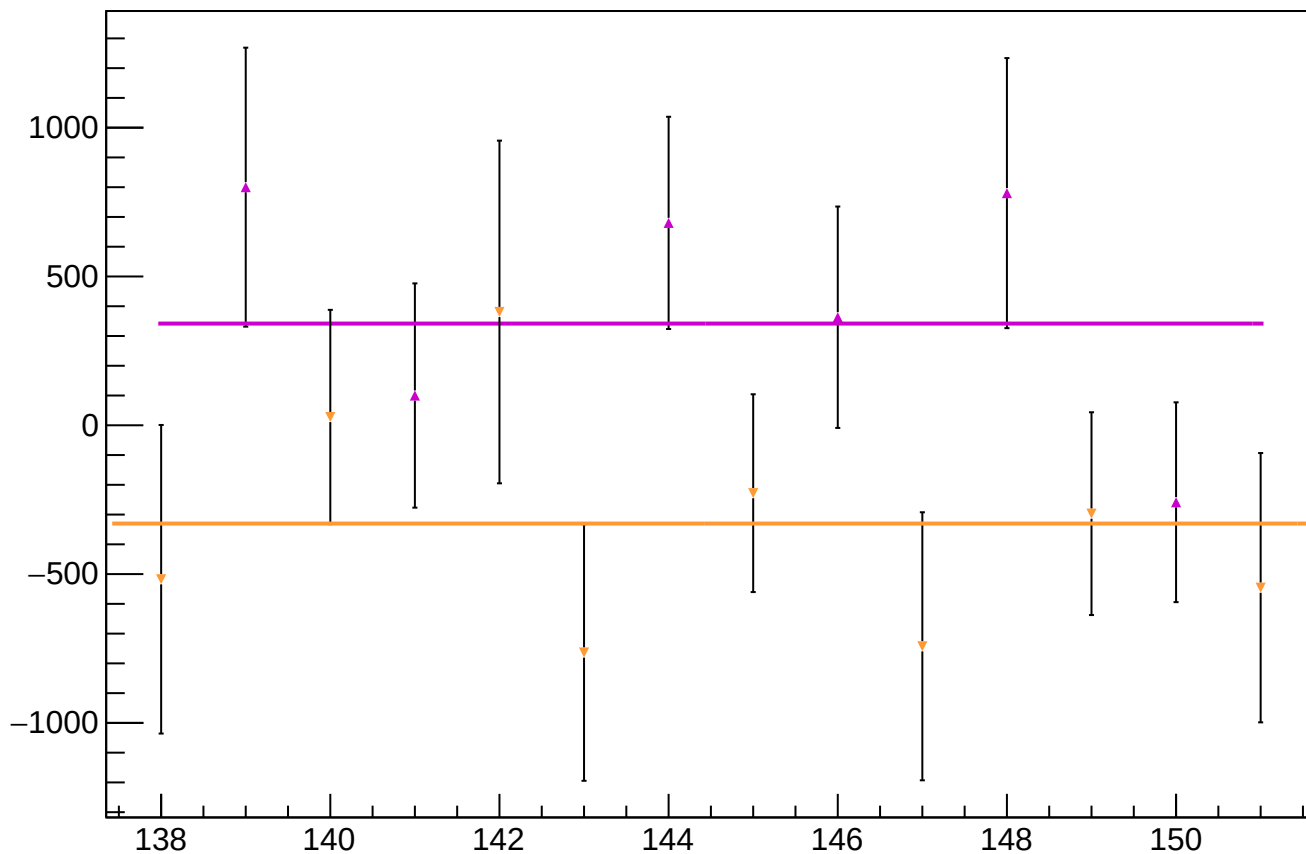
Left In: 339.321+/-0.109 χ^2/NDF : 87857.5/5

338.404+/-0.101 χ^2/NDF : 224365.1/7

338.826+/-0.074 χ^2/NDF : 312260.5/13

339.321+/-0.109 χ^2/NDF : 87857.5/5

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -330.166+/-145.369 χ^2/NDF : 4.8/7

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

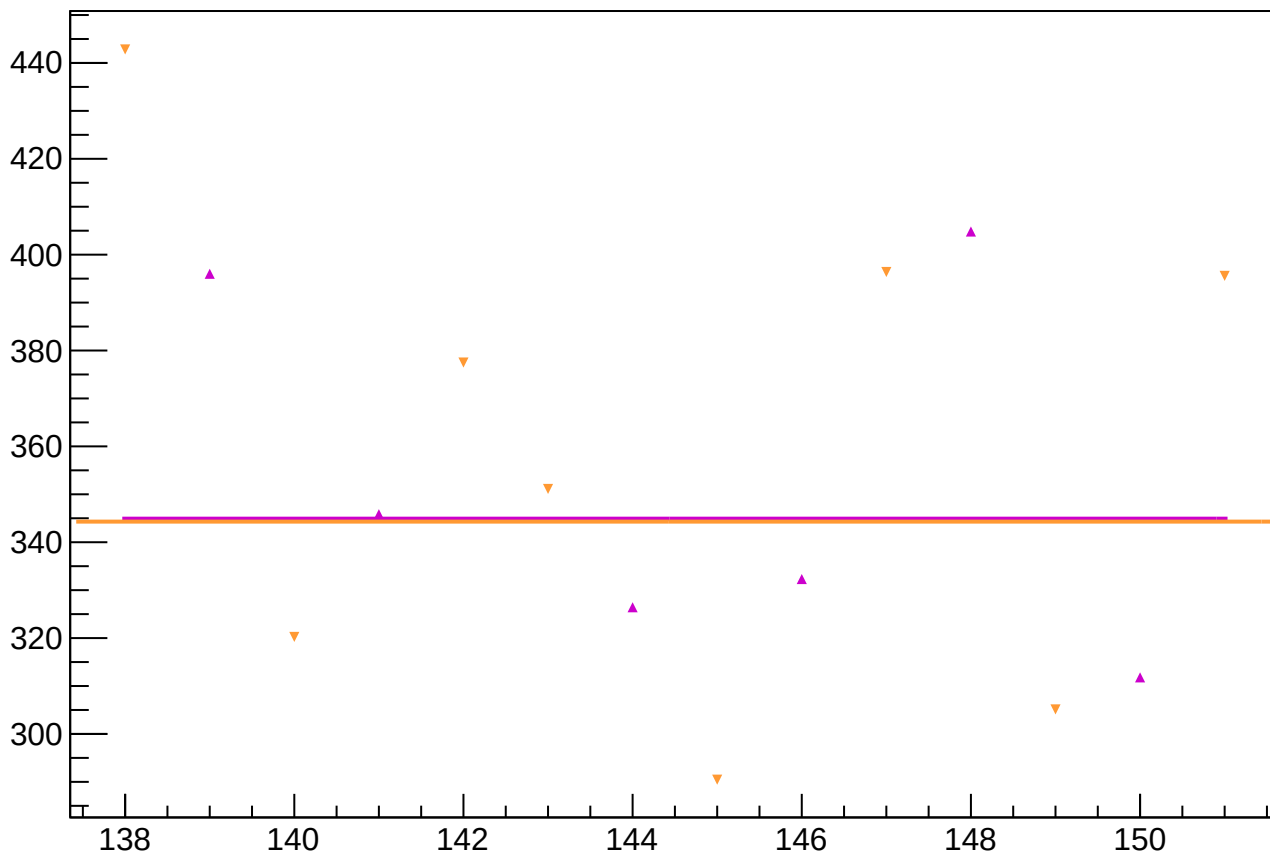
Left In: 341.752+/-157.283 χ^2/NDF : 6.4/5

-330.166+/-145.369 χ^2/NDF : 4.8/7

-20.617+/-106.755 χ^2/NDF : 21.1/13

341.752+/-157.283 χ^2/NDF : 6.4/5

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 344.302+/-0.103 χ^2/NDF : 219697.6/7

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

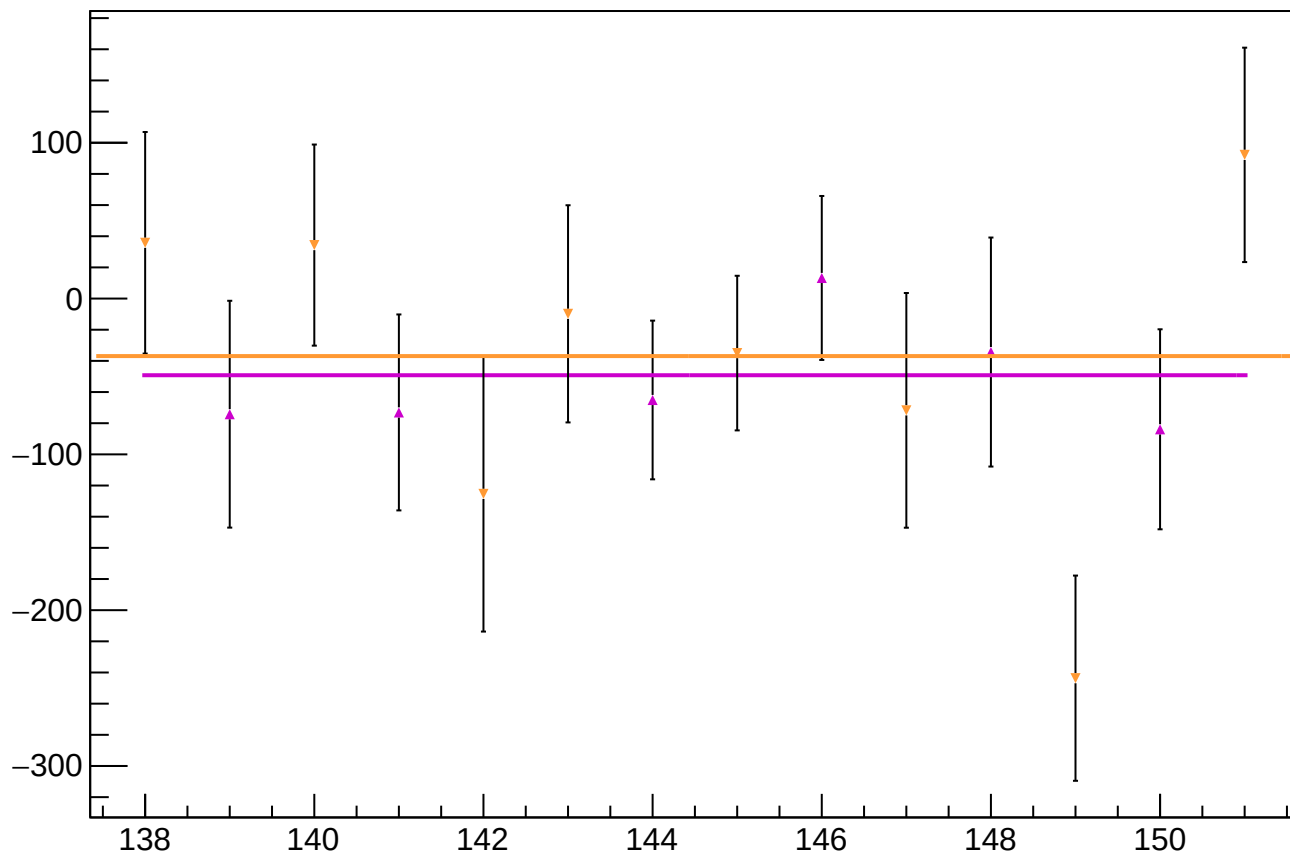
Left In: 344.915+/-0.111 χ^2/NDF : 85791.3/5

344.302+/-0.103 χ^2/NDF : 219697.6/7

344.584+/-0.075 χ^2/NDF : 305505.3/13

344.915+/-0.111 χ^2/NDF : 85791.3/5

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: -36.917+/-23.596 χ^2/NDF : 17.0/7

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

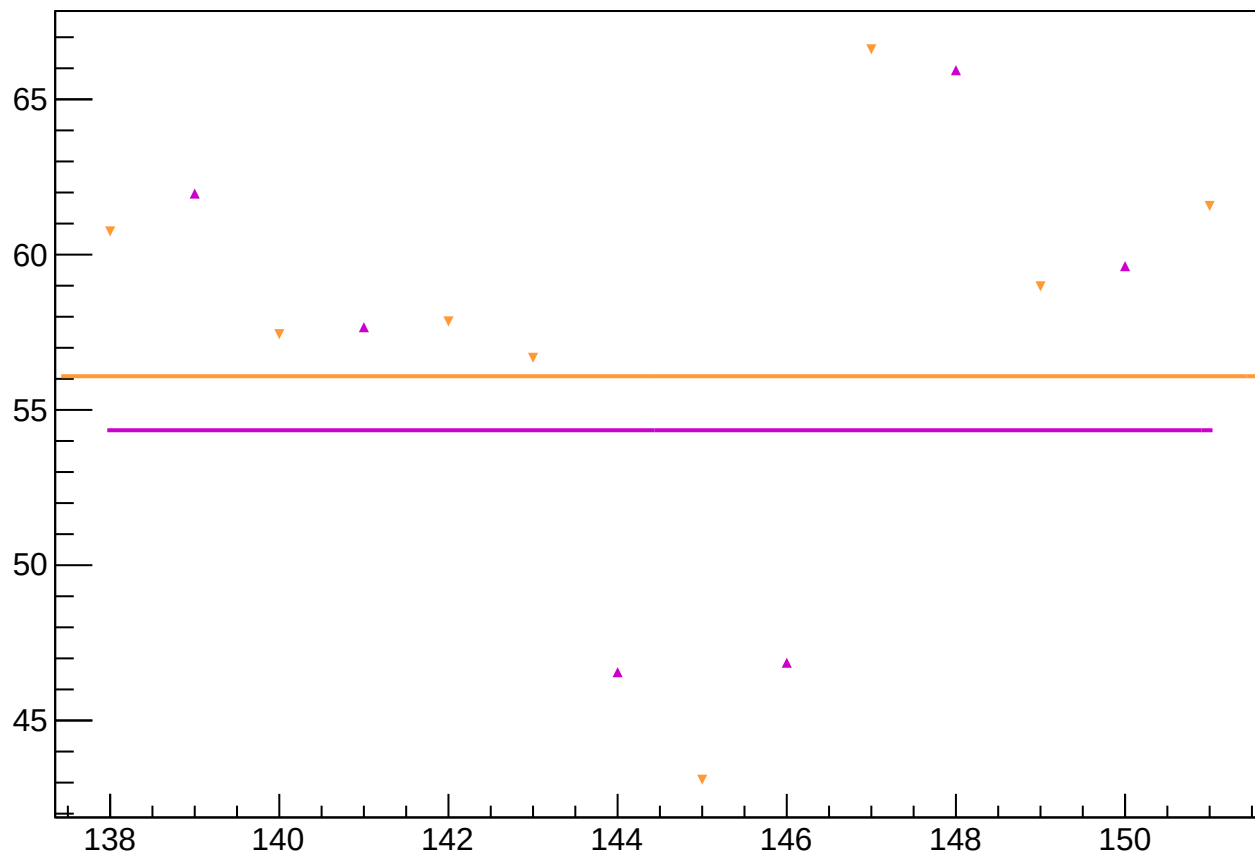
Left In: -49.209+/-24.875 χ^2/NDF : 2.1/5

-36.917+/-23.596 χ^2/NDF : 17.0/7

-42.739+/-17.119 χ^2/NDF : 19.2/13

-49.209+/-24.875 χ^2/NDF : 2.1/5

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: 56.084+/-0.017 χ^2/NDF : 203141.4/7

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

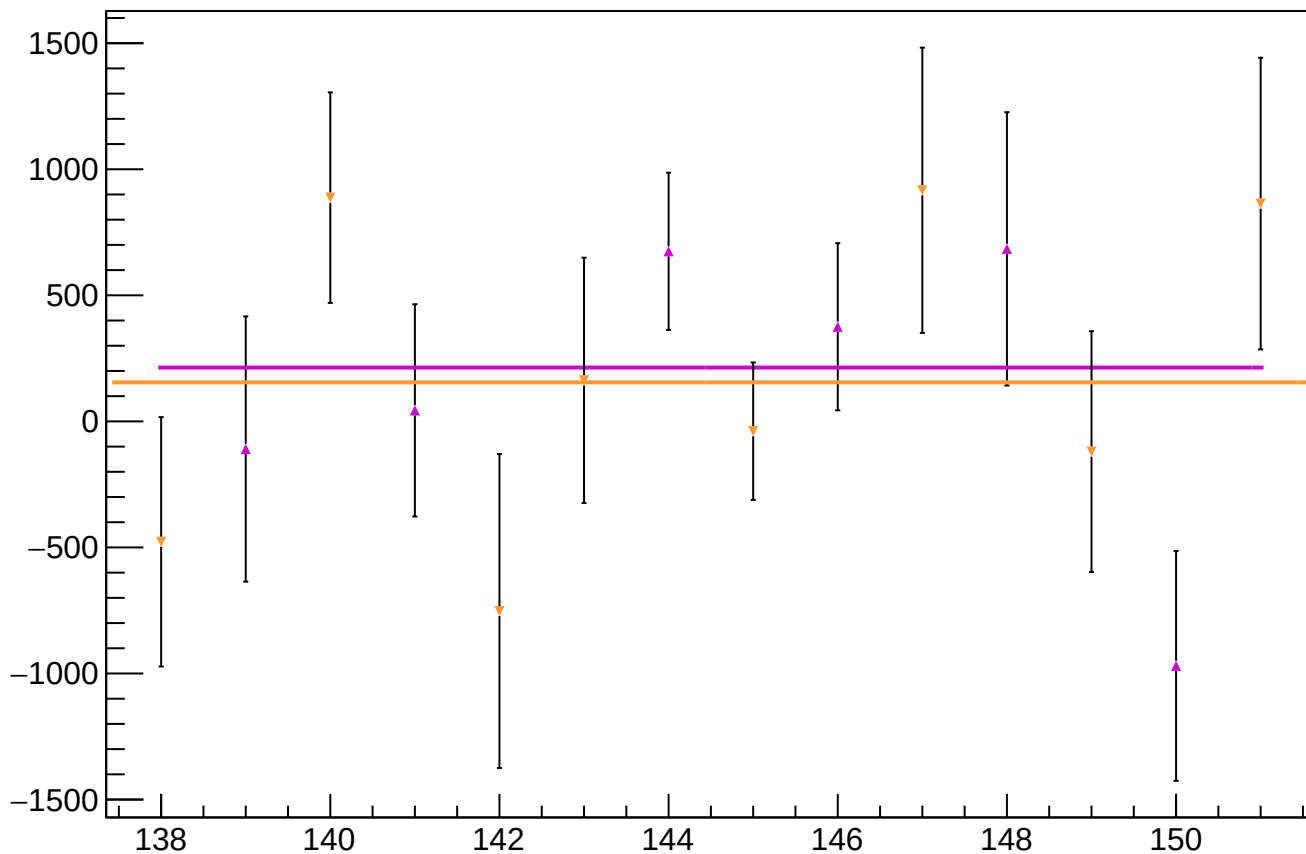
Left In: 54.345+/-0.018 χ^2/NDF : 178051.4/5

56.084+/-0.017 χ^2/NDF : 203141.4/7

55.261+/-0.012 χ^2/NDF : 386338.5/13

54.345+/-0.018 χ^2/NDF : 178051.4/5

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: 154.874+/-156.958 χ^2/NDF : 11.0/7

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

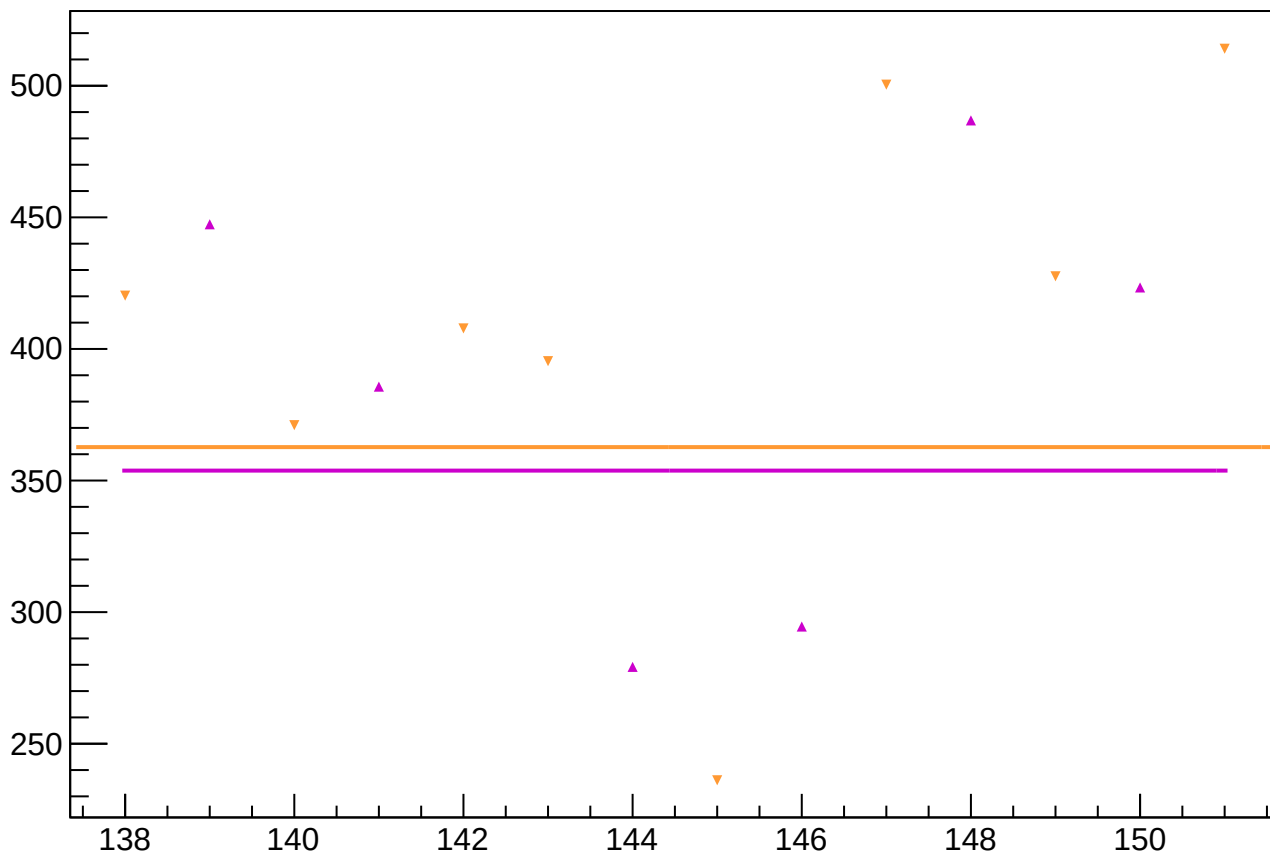
Left In: 213.485+/-164.727 χ^2/NDF : 10.5/5

154.874+/-156.958 χ^2/NDF : 11.0/7

182.765+/-113.633 χ^2/NDF : 21.5/13

213.485+/-164.727 χ^2/NDF : 10.5/5

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: 362.702+/-0.111 χ^2/NDF : 771394.0/7

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

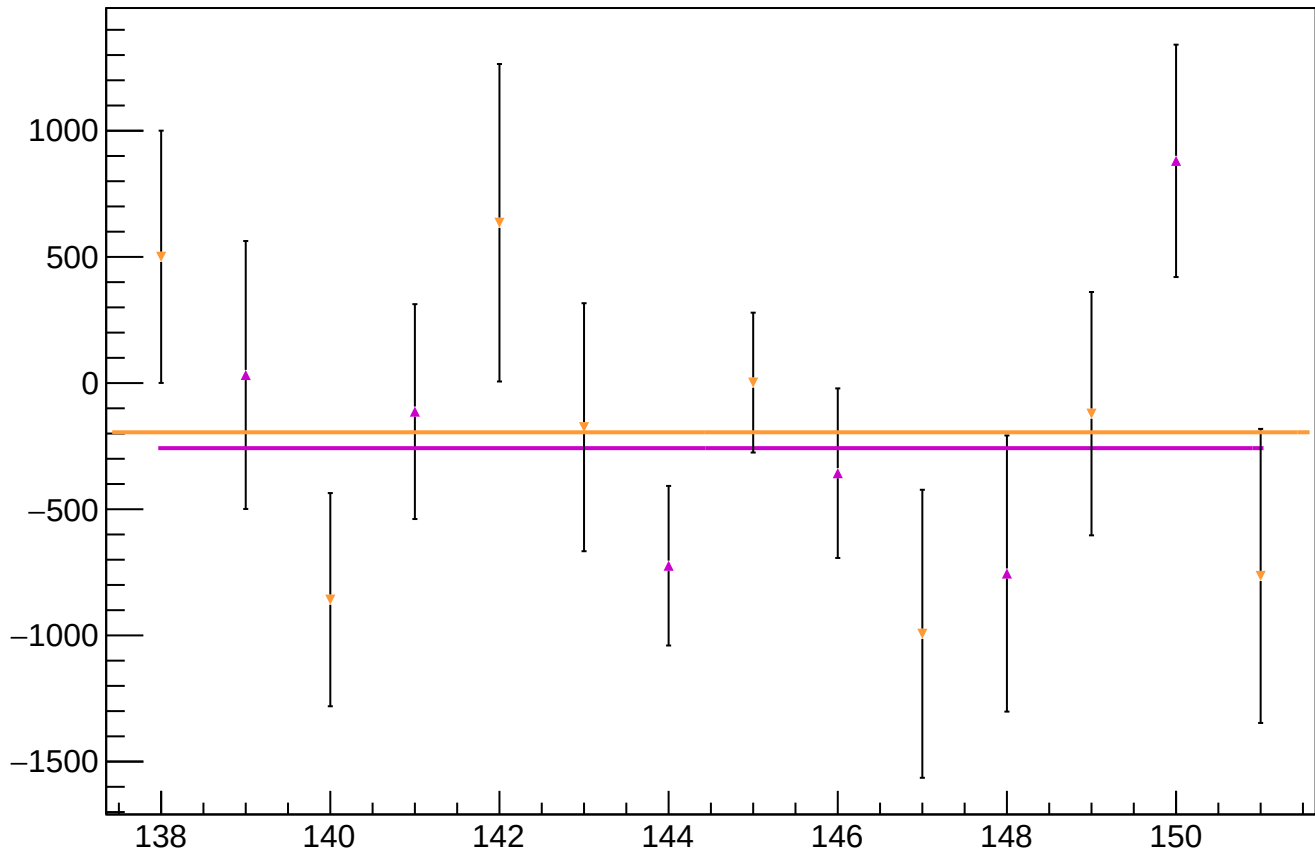
Left In: 353.776+/-0.116 χ^2/NDF : 420213.5/5

362.702+/-0.111 χ^2/NDF : 771394.0/7

358.455+/-0.080 χ^2/NDF : 1194685.2/13

353.776+/-0.116 χ^2/NDF : 420213.5/5

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -194.980+/-158.887 χ^2/NDF : 9.6/7

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

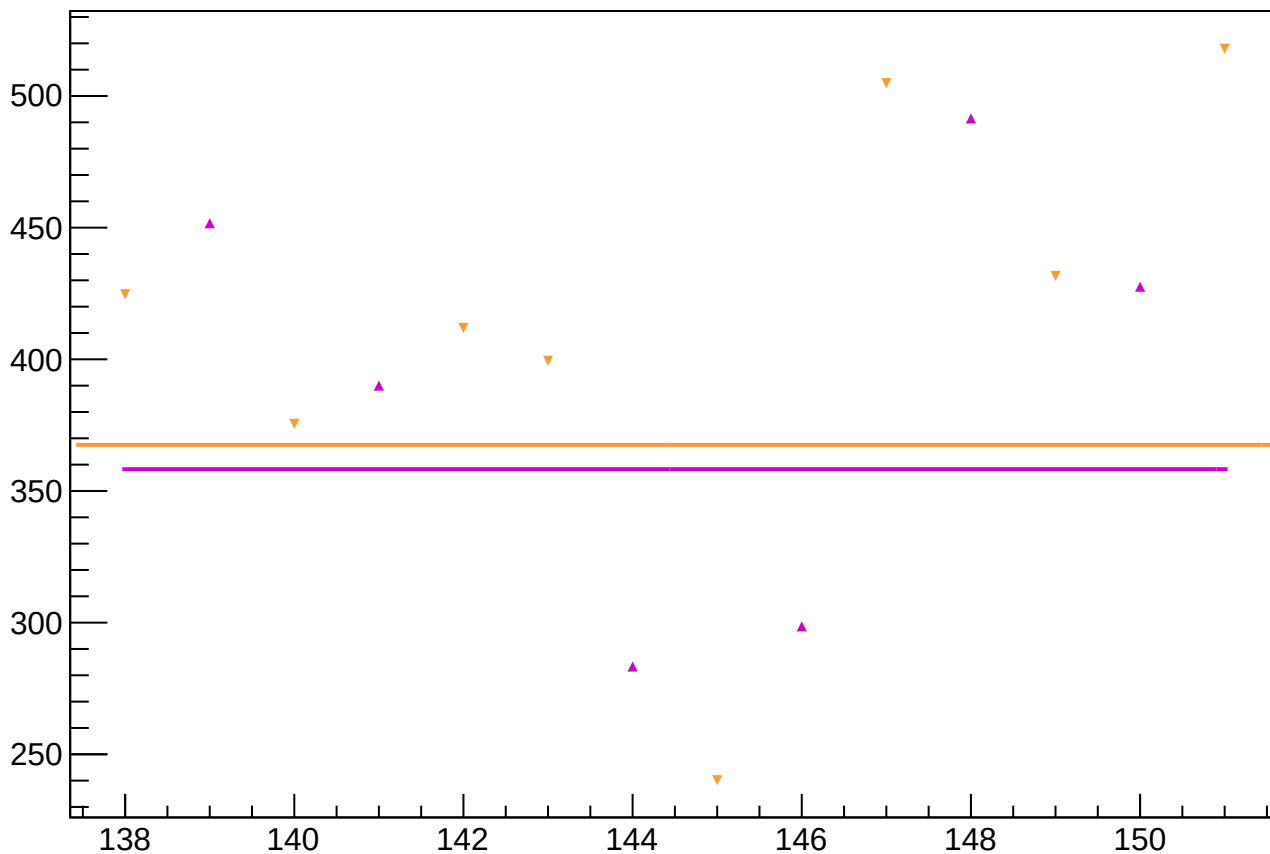
Left In: -257.869+/-166.721 χ^2/NDF : 9.6/5

-194.980+/-158.887 χ^2/NDF : 9.6/7

-224.912+/-115.020 χ^2/NDF : 19.3/13

-257.869+/-166.721 χ^2/NDF : 9.6/5

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 367.517+/-0.112 χ^2/NDF : 752484.0/7

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

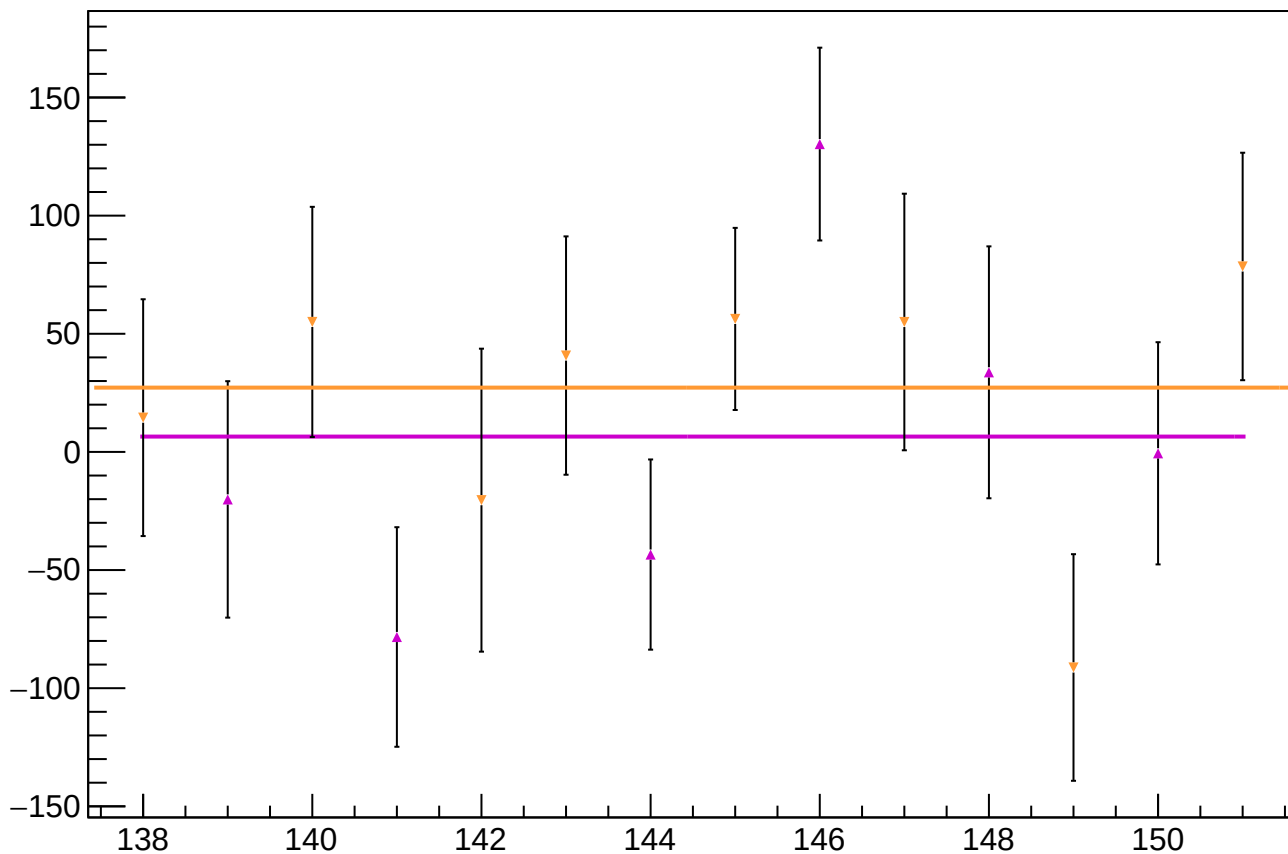
Left In: 358.273+/-0.118 χ^2/NDF : 412238.4/5

367.517+/-0.112 χ^2/NDF : 752484.0/7

363.117+/-0.081 χ^2/NDF : 1167944.4/13

358.273+/-0.118 χ^2/NDF : 412238.4/5

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: 27.213+/-17.317 χ^2/NDF : 9.1/7

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

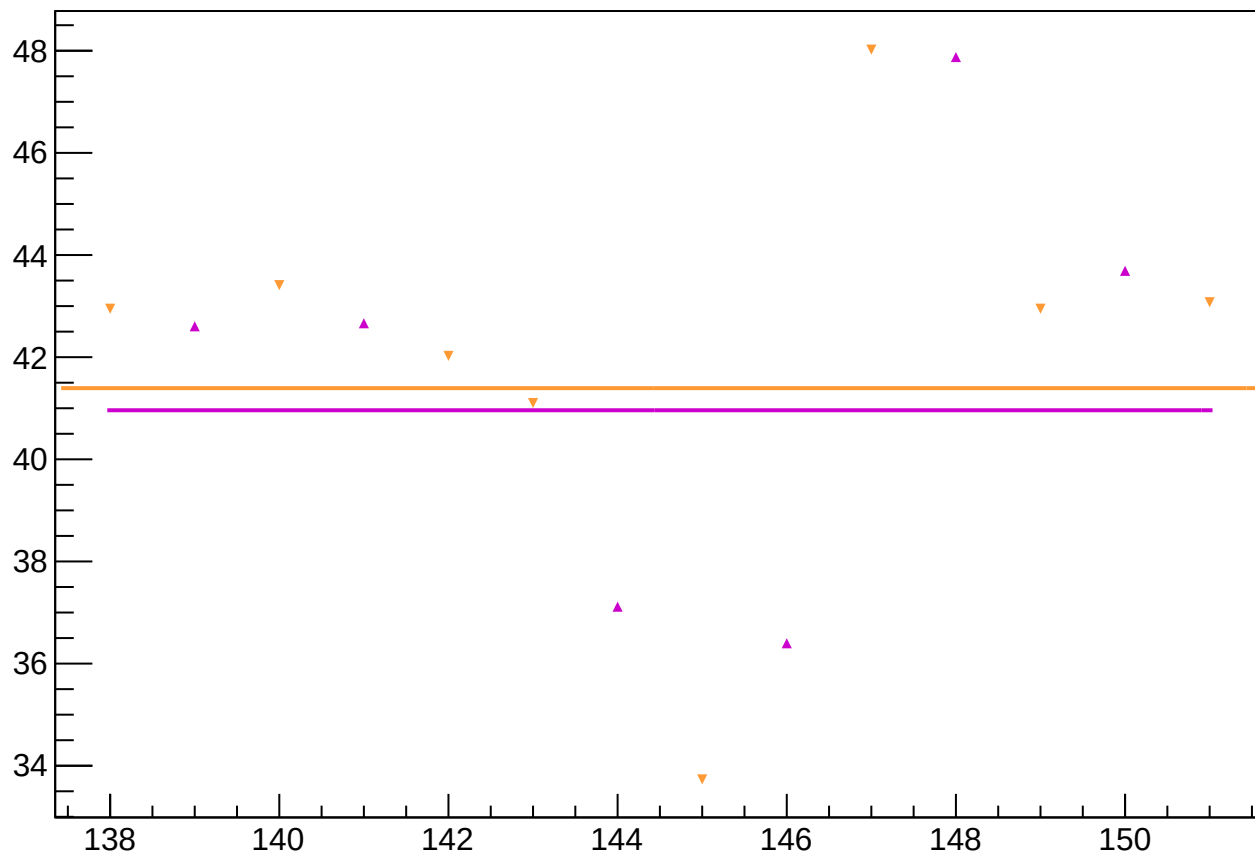
Left In: 6.491+/-18.619 χ^2/NDF : 14.6/5

27.213+/-17.317 χ^2/NDF : 9.1/7

17.602+/-12.680 χ^2/NDF : 24.4/13

6.491+/-18.619 χ^2/NDF : 14.6/5

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: 41.394+/-0.012 χ^2/NDF :118999.1/7

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

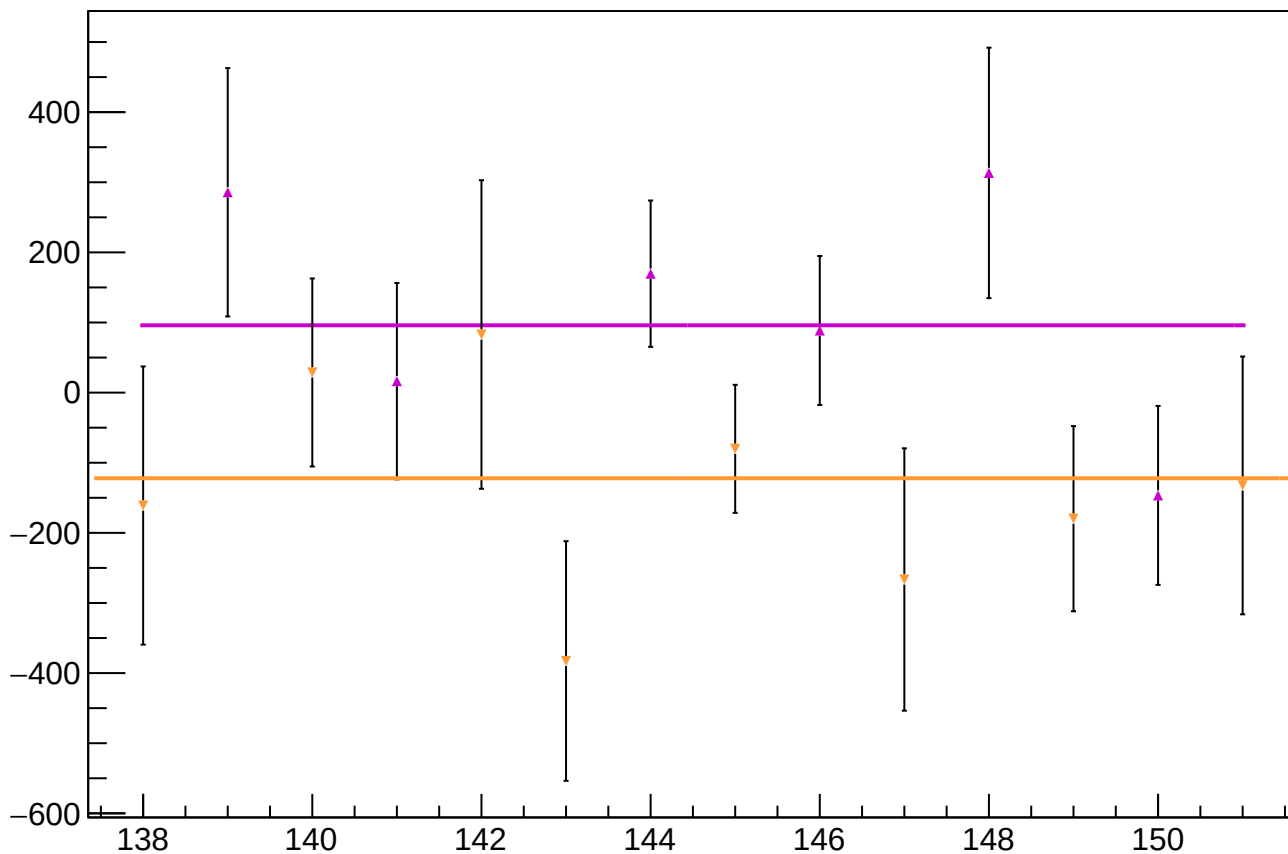
Left In: 40.960+/-0.013 χ^2/NDF :88524.2/5

41.394+/-0.012 χ^2/NDF : 118999.1/7

41.193+/-0.009 χ^2/NDF : 208103.7/13

40.960+/-0.013 χ^2/NDF : 88524.2/5

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: -122.108+/-51.888 χ^2/NDF : 5.5/7

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

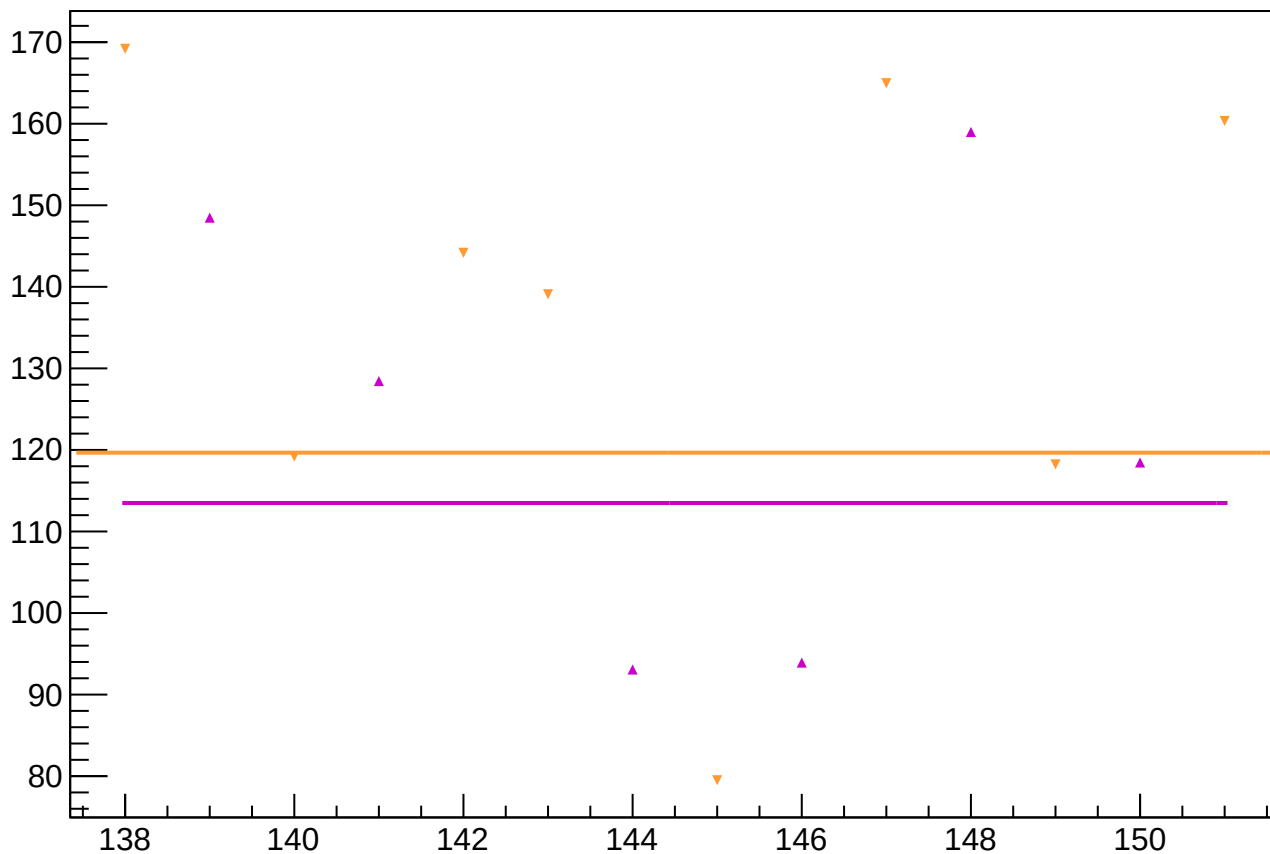
Left In: 96.027+/-52.995 χ^2/NDF : 7.1/5

-122.108+/-51.888 χ^2/NDF : 5.5/7

-15.343+/-37.075 χ^2/NDF : 21.2/13

96.027+/-52.995 χ^2/NDF : 7.1/5

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: 119.663+/-0.037 χ^2/NDF : 777949.6/7

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

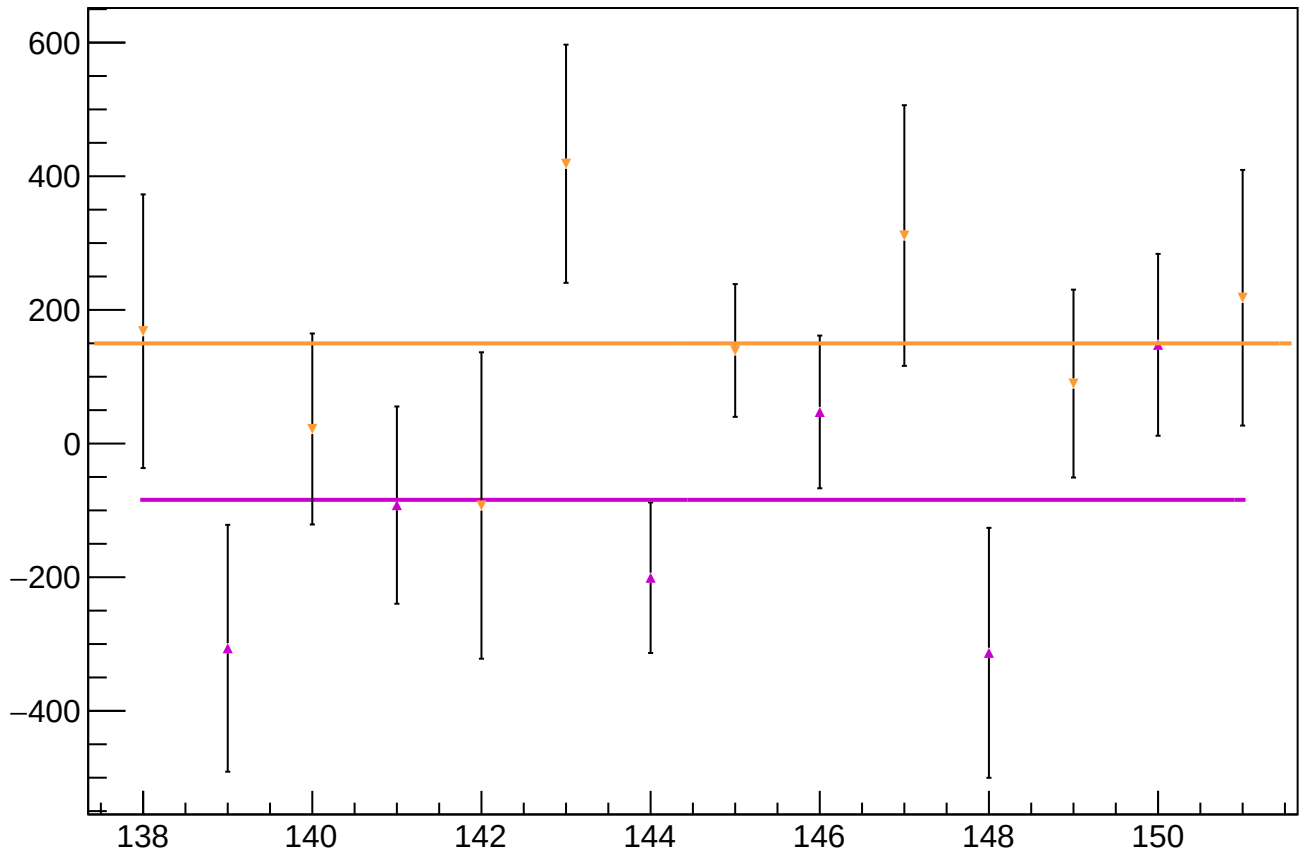
Left In: 113.495+/-0.037 χ^2/NDF : 378057.6/5

119.663+/-0.037 χ^2/NDF : 777949.6/7

116.644+/-0.026 χ^2/NDF : 1169842.5/13

113.495+/-0.037 χ^2/NDF : 378057.6/5

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 149.903+/-55.137 χ^2/NDF : 5.2/7

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

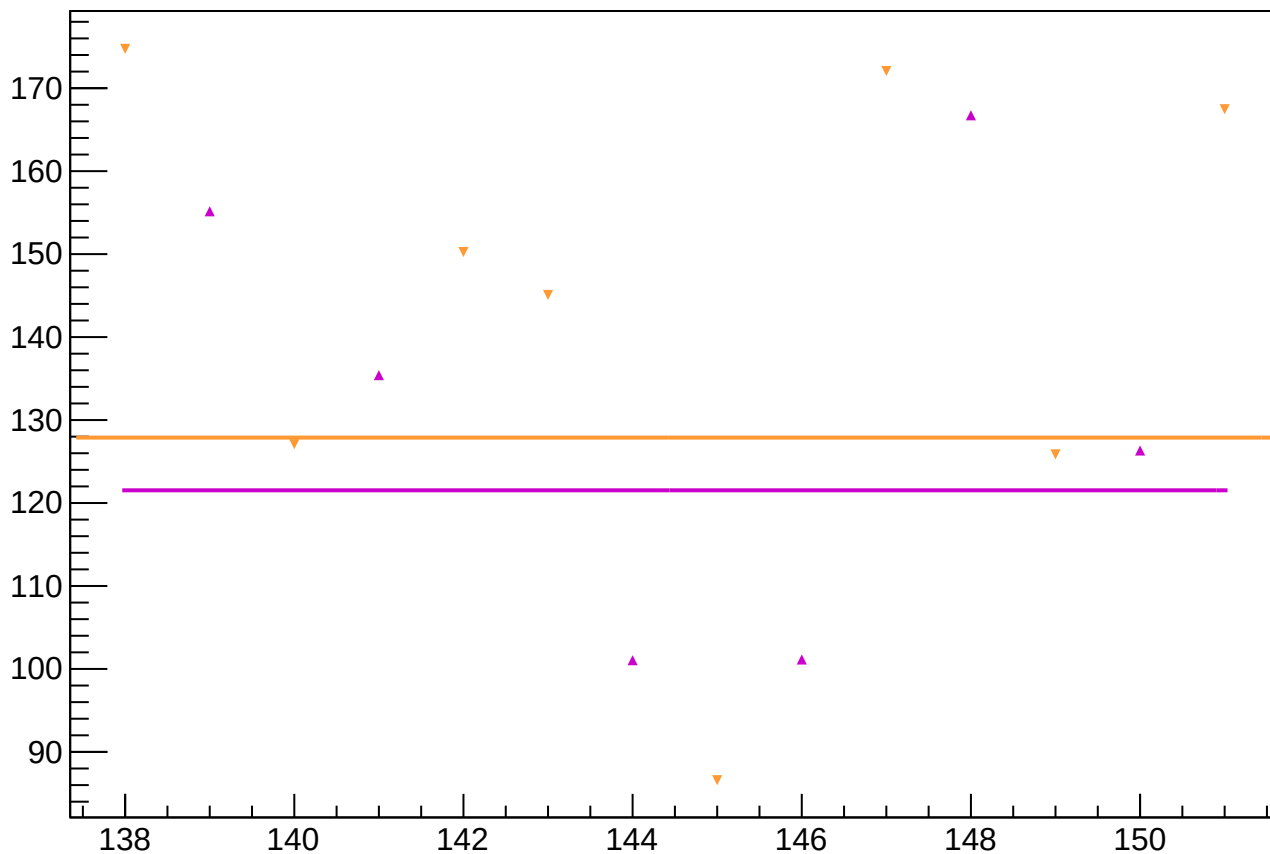
Left In: -84.189+/-56.504 χ^2/NDF : 8.2/5

149.903+/-55.137 χ^2/NDF : 5.2/7

35.723+/-39.462 χ^2/NDF : 22.3/13

-84.189+/-56.504 χ^2/NDF : 8.2/5

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 127.886+/-0.039 χ^2/NDF : 676815.0/7

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

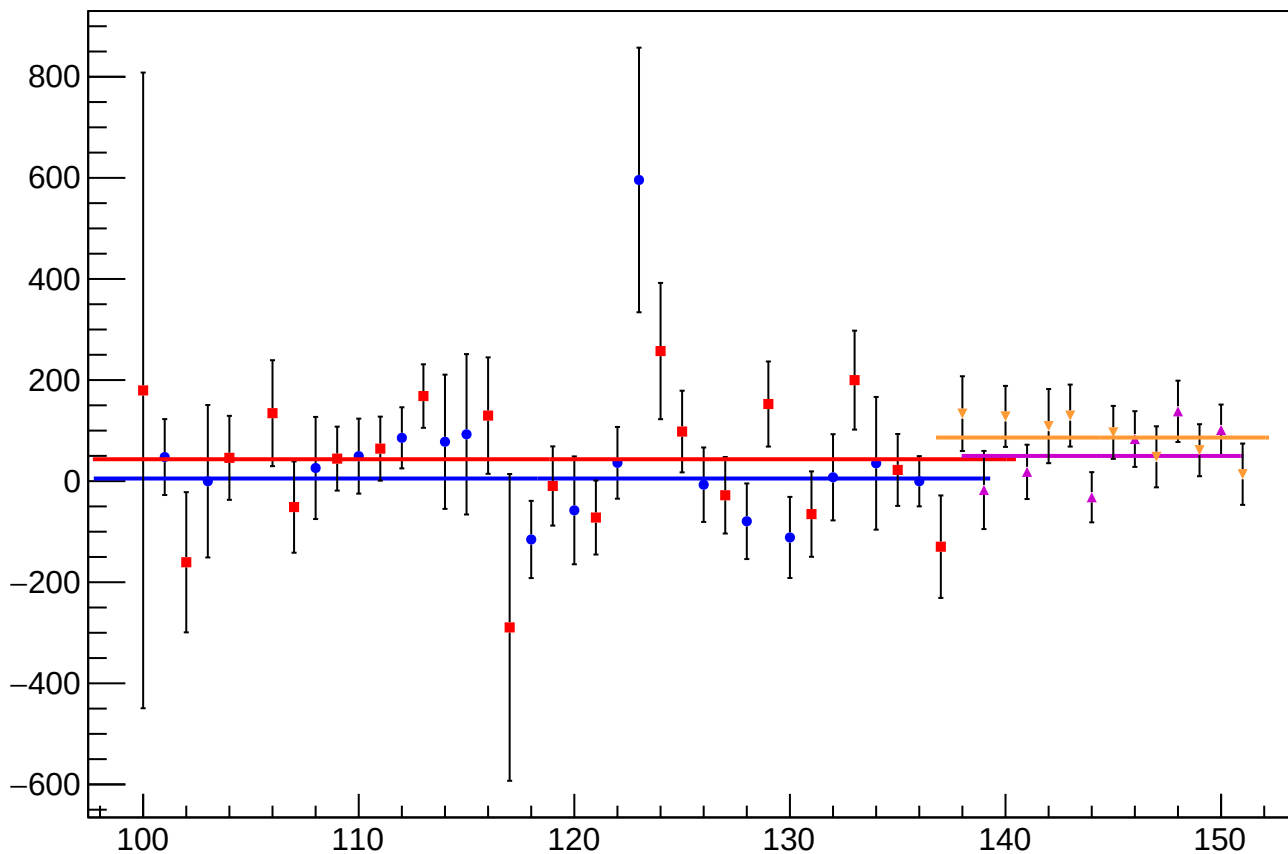
Left In: 121.531+/-0.040 χ^2/NDF : 333151.3/5

127.886+/-0.039 χ^2/NDF : 676815.0/7

124.786+/-0.028 χ^2/NDF : 1022926.9/13

121.531+/-0.040 χ^2/NDF : 333151.3/5

reg_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 5.220 $\pm$ 20.150 χ^2 /NDF: 14.7/16

Left Out: 86.240 $\pm$ 21.335 χ^2 /NDF: 3.6/7

Right Out: 43.354 $\pm$ 19.371 χ^2 /NDF: 25.6/19

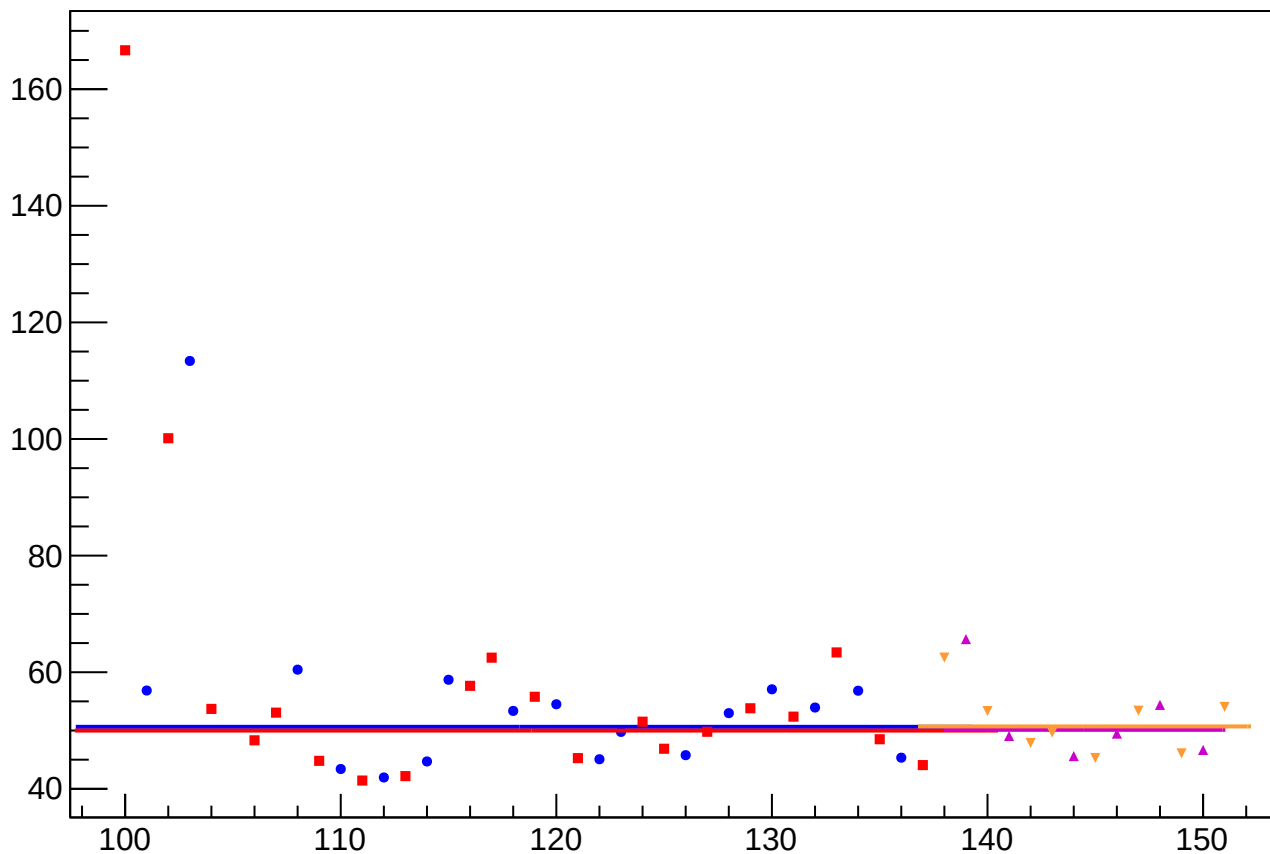
Left In: 49.916 $\pm$ 22.844 χ^2 /NDF: 7.3/5

43.419 $\pm$ 14.649 χ^2 /NDF: 25.9/24

44.747 $\pm$ 10.402 χ^2 /NDF: 58.9/50

46.098 $\pm$ 14.774 χ^2 /NDF: 33.0/25

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: 50.706 $\pm$ 0.015 χ^2 /NDF: 105908.4/7

Right Out: 49.994 $\pm$ 0.014 χ^2 /NDF: 503898.1/19

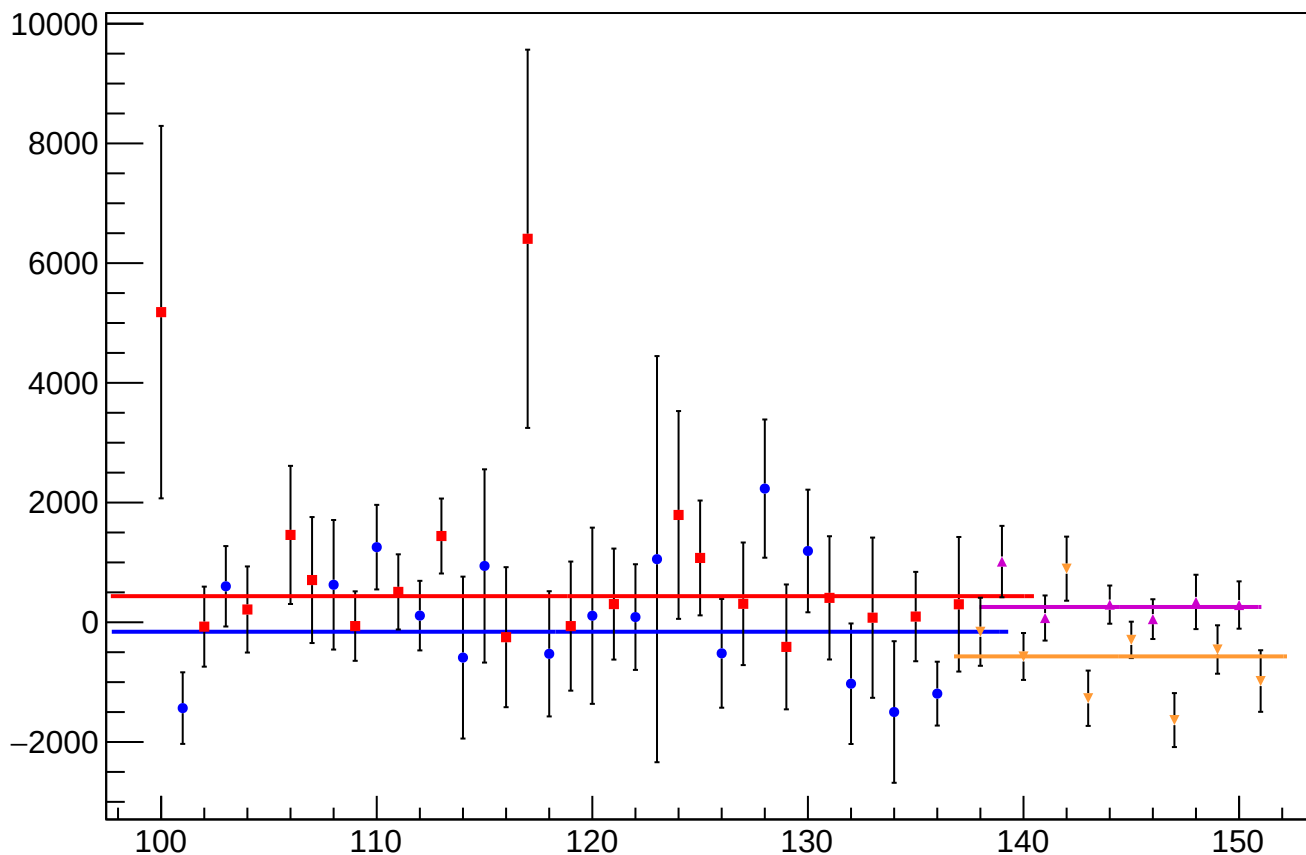
Left In: 50.119 $\pm$ 0.016 χ^2 /NDF: 117825.1/5

50.668 $\pm$ 0.010 χ^2 /NDF: 625607.1/24

50.360 $\pm$ 0.007 χ^2 /NDF: 1249152.5/50

50.046 $\pm$ 0.010 χ^2 /NDF: 621758.2/25

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: -569.876 $\pm$ 151.755 χ^2 /NDF:17.4/7

Right Out: 436.410 $\pm$ 203.212 χ^2 /NDF: 13.4/19

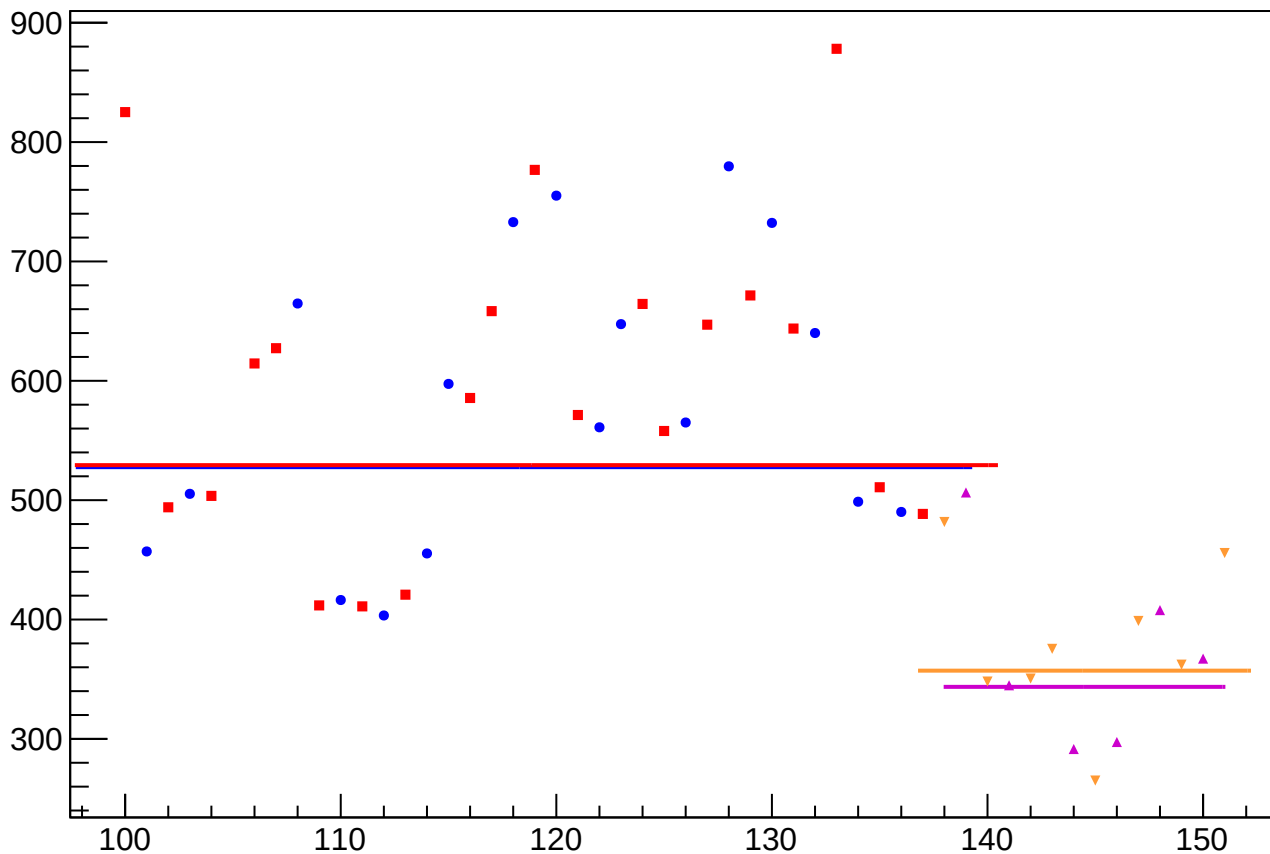
Left In: 255.667 $\pm$ 158.123 χ^2 /NDF:2.3/5

-428.738 $\pm$ 123.036 χ^2 /NDF: 43.4/24

-57.792 $\pm$ 87.615 χ^2 /NDF: 78.0/50

323.830 $\pm$ 124.794 χ^2 /NDF: 16.1/25

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: 357.175 $\pm$ 0.107 χ^2 /NDF: 374953.2/7

Right Out: 529.342 $\pm$ 0.144 χ^2 /NDF: 626714.3/19

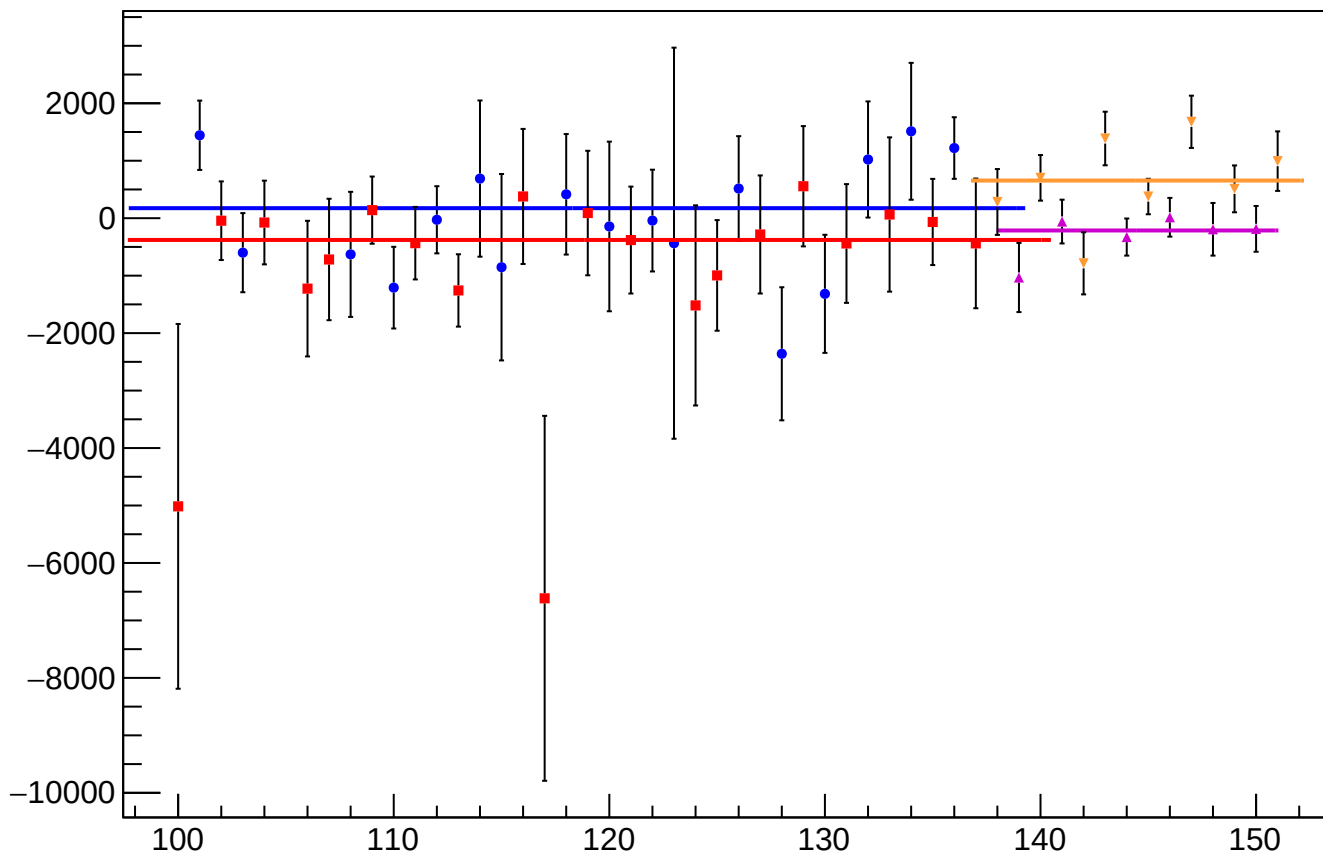
Left In: 343.596 $\pm$ 0.112 χ^2 /NDF: 288448.2/5

415.597 $\pm$ 0.087 χ^2 /NDF: 1797370.5/24

414.636 $\pm$ 0.062 χ^2 /NDF: 3753584.3/50

413.647 $\pm$ 0.088 χ^2 /NDF: 1955966.2/25

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 174.605 $\pm$ 211.662 χ^2 /NDF: 23.7/16

Left Out: 655.387 $\pm$ 153.386 χ^2 /NDF:16.4/7

Right Out: -378.609 $\pm$ 204.777 χ^2 /NDF: 12.3/19

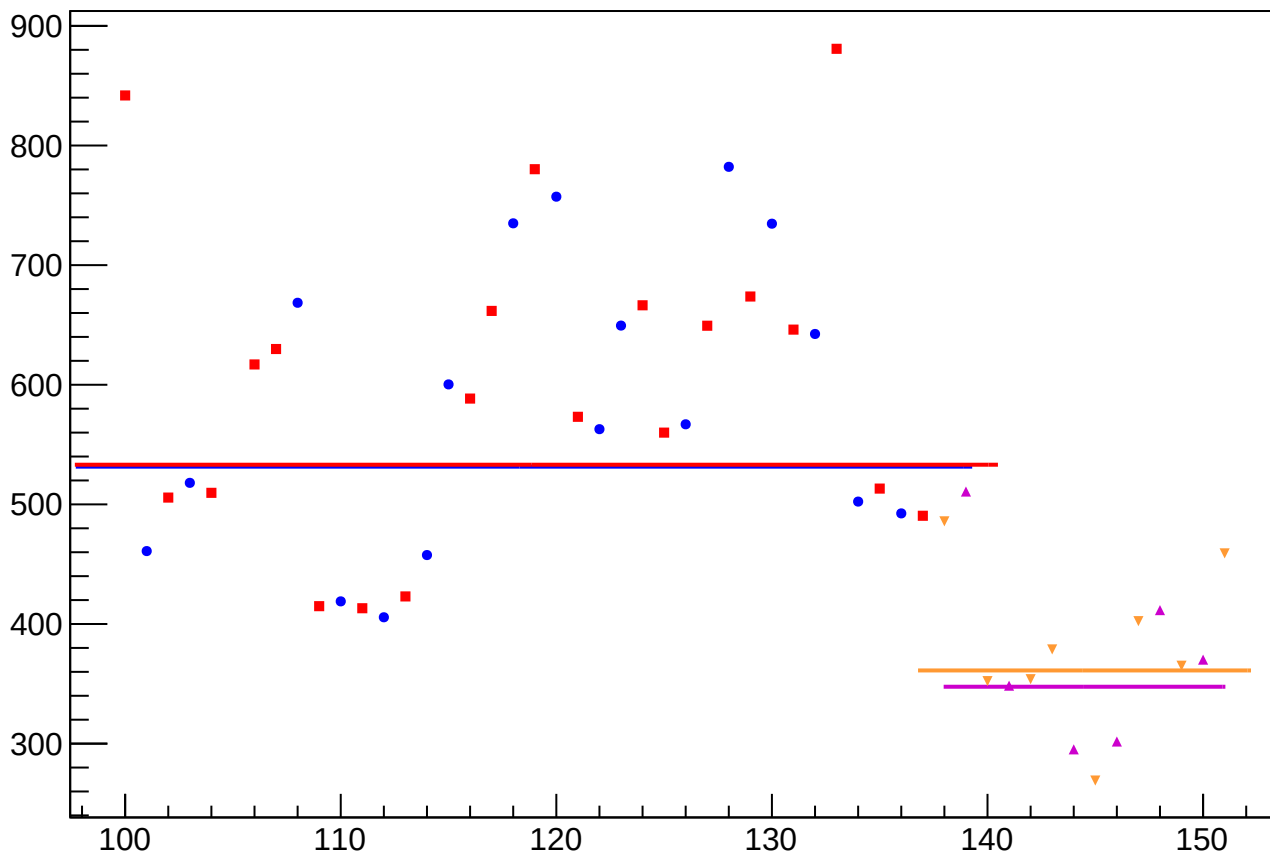
Left In: -213.573 $\pm$ 159.883 χ^2 /NDF:2.6/5

489.840 $\pm$ 124.202 χ^2 /NDF: 43.5/24

112.448 $\pm$ 88.460 χ^2 /NDF: 77.5/50

-276.077 $\pm$ 126.021 χ^2 /NDF: 15.3/25

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 531.554+/-0.150 χ^2/NDF : 550087.6/16

Left Out: 361.174+/-0.108 χ^2/NDF : 364741.1/7

Right Out: 533.157+/-0.145 χ^2/NDF : 619038.4/19

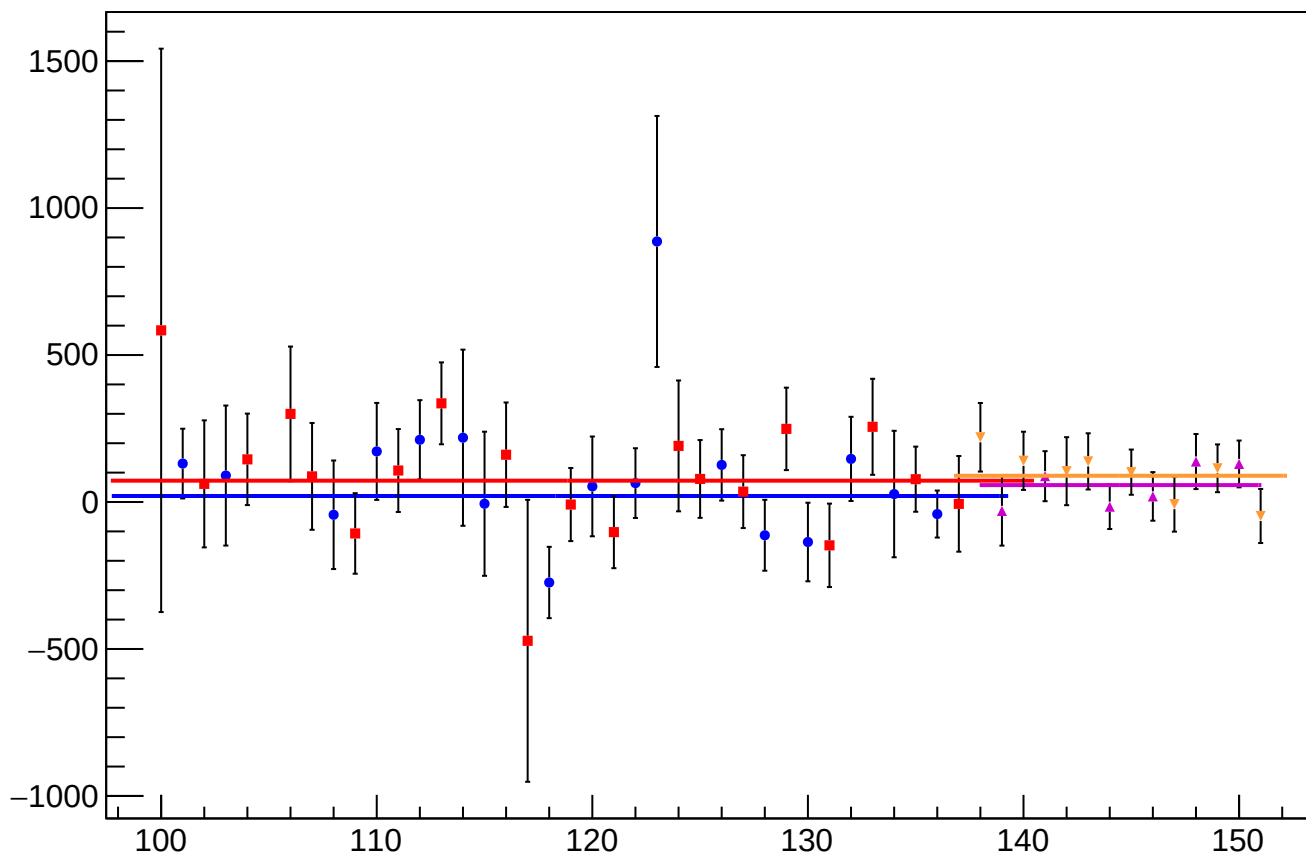
Left In: 347.558+/-0.113 χ^2/NDF : 282282.0/5

419.841+/-0.088 χ^2/NDF : 1764528.3/24

418.860+/-0.063 χ^2/NDF : 3686823.1/50

417.849+/-0.089 χ^2/NDF : 1922041.3/25

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: 89.344 $\pm$ 33.108 χ^2 /NDF: 5.2/7

Right Out: 72.603 $\pm$ 34.608 χ^2 /NDF: 16.7/19

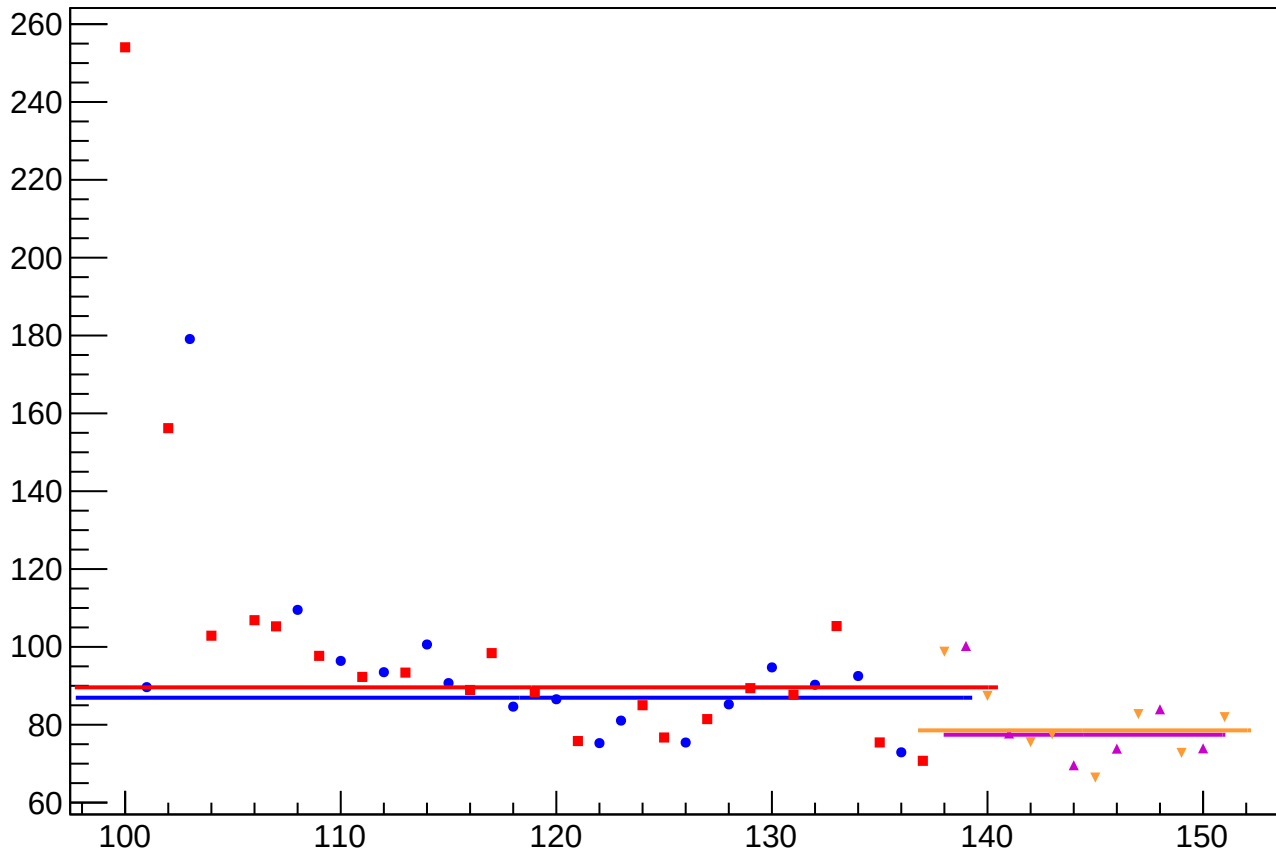
Left In: 57.563 $\pm$ 35.330 χ^2 /NDF: 3.4/5

56.393 $\pm$ 23.916 χ^2 /NDF: 26.5/24

60.669 $\pm$ 17.189 χ^2 /NDF: 46.8/50

65.239 $\pm$ 24.723 χ^2 /NDF: 20.2/25

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 86.943 $\pm$ 0.024 χ^2 /NDF: 455809.4/16

Left Out: 78.554 $\pm$ 0.023 χ^2 /NDF: 144202.0/7

Right Out: 89.607 $\pm$ 0.024 χ^2 /NDF: 431905.8/19

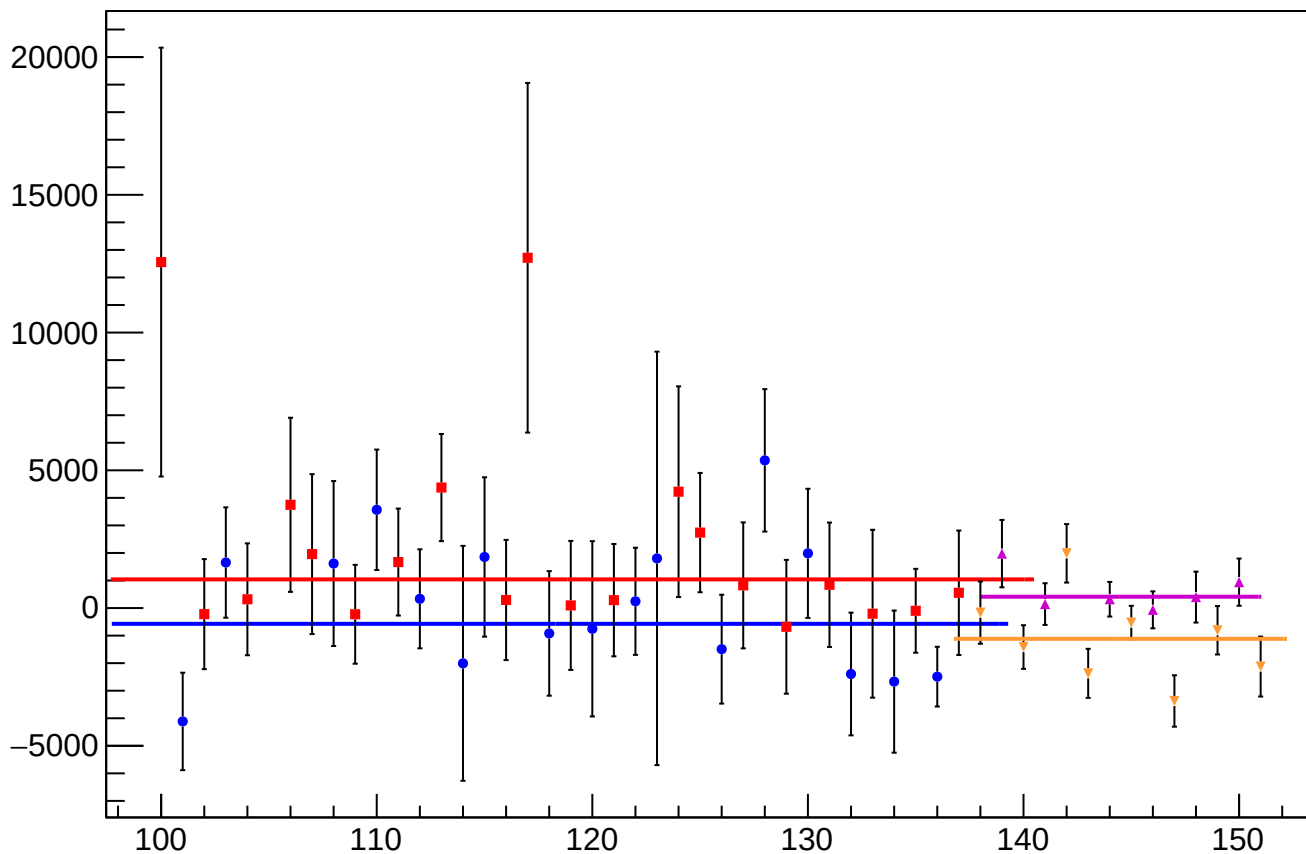
Left In: 77.434 $\pm$ 0.025 χ^2 /NDF: 113393.3/5

82.566 $\pm$ 0.017 χ^2 /NDF: 661410.0/24

83.088 $\pm$ 0.012 χ^2 /NDF: 1329850.1/50

83.646 $\pm$ 0.017 χ^2 /NDF: 666467.0/25

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



Right In: -572.342 ± 517.020 χ^2/NDF : 21.9/16

Left Out: -1117.369 ± 308.428 χ^2/NDF : 19.1/7

Right Out: 1040.618 ± 512.937 χ^2/NDF : 13.5/19

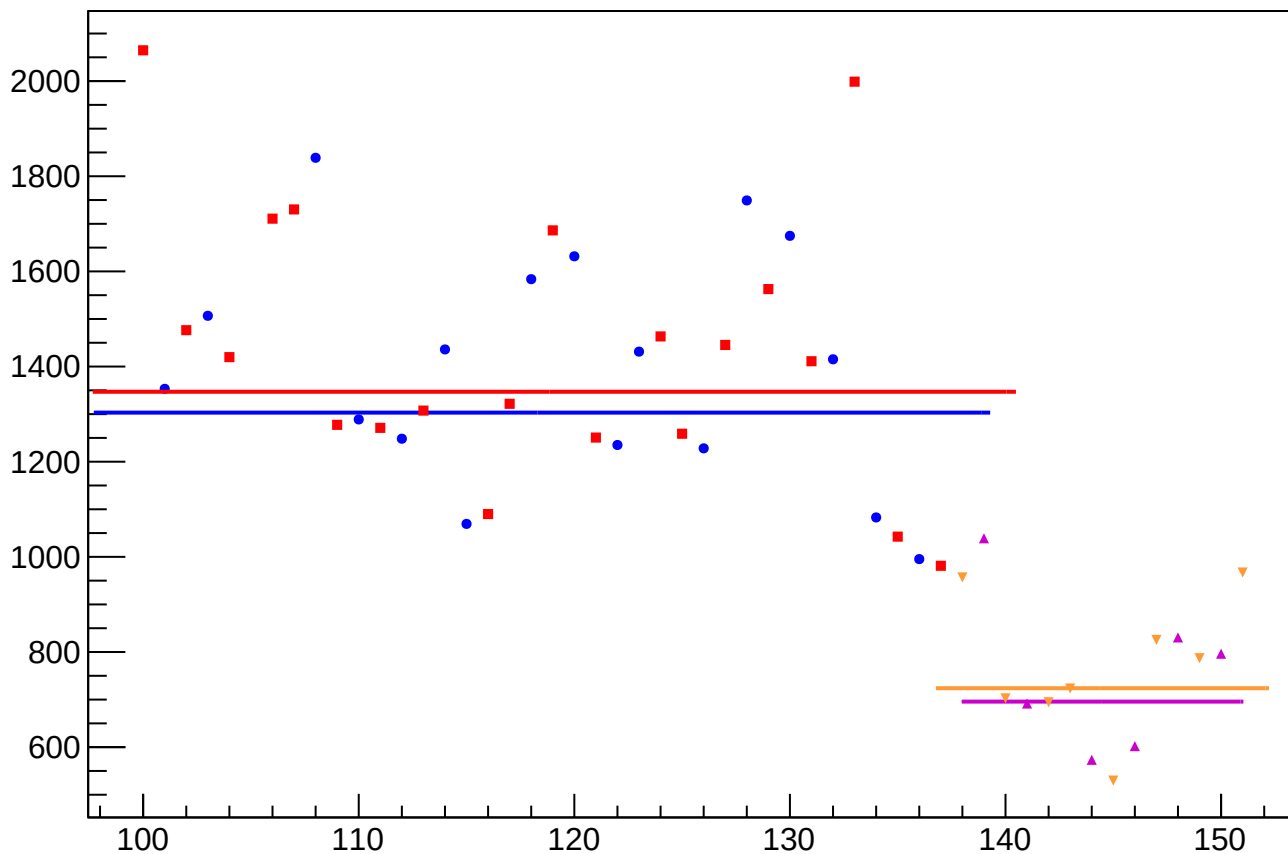
Left In: 411.010 ± 321.049 χ^2/NDF : 2.7/5

-974.317 ± 264.877 χ^2/NDF : 41.8/24

-214.165 ± 189.812 χ^2/NDF : 76.0/50

588.233 ± 272.138 χ^2/NDF : 17.2/25

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: 723.922 $\pm$ 0.218 χ^2 /NDF: 425236.0/7

Right Out: 1347.011 $\pm$ 0.363 χ^2 /NDF: 420806.0/19

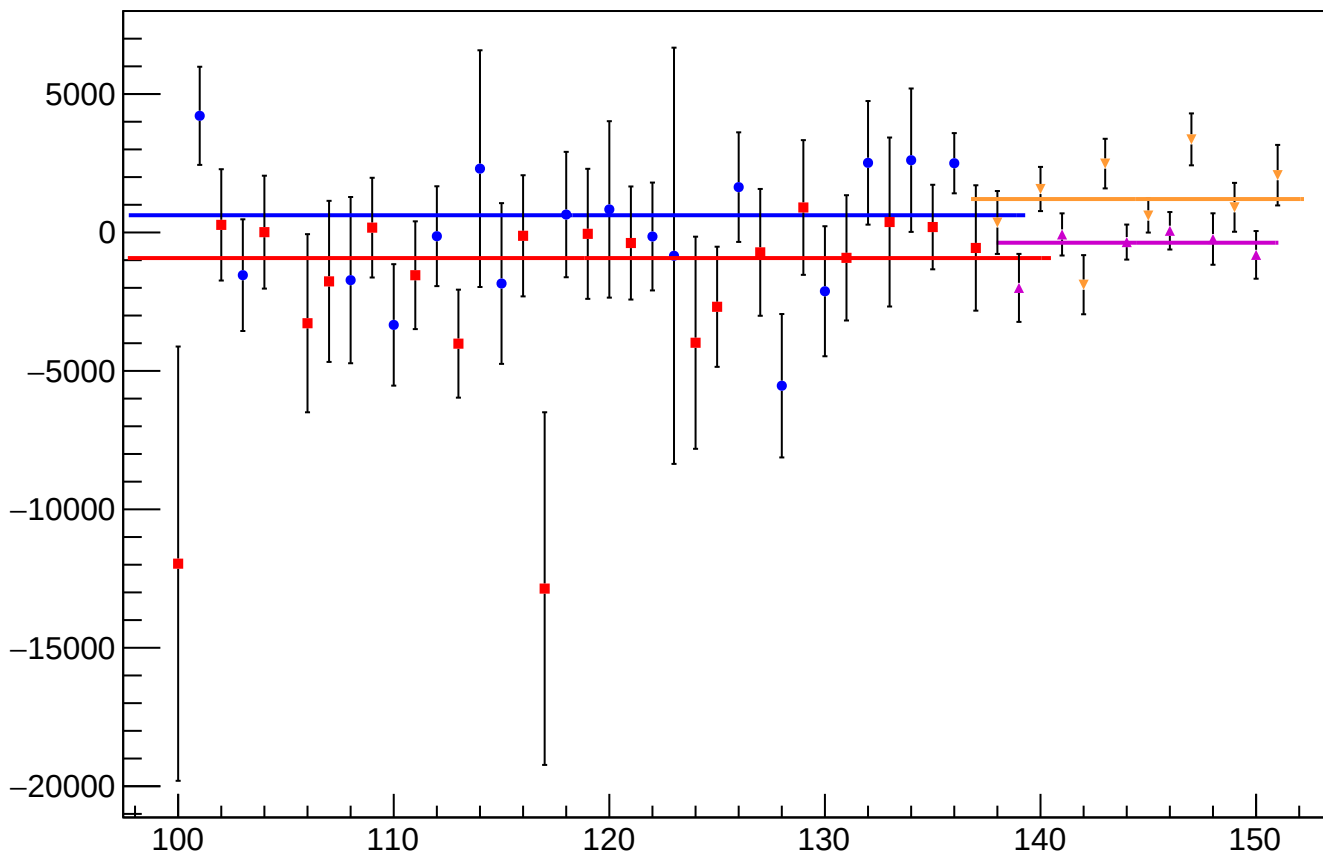
Left In: 695.753 $\pm$ 0.227 χ^2 /NDF: 342701.4/5

875.963 $\pm$ 0.187 χ^2 /NDF: 2728903.8/24

877.475 $\pm$ 0.134 χ^2 /NDF: 5809111.2/50

879.070 $\pm$ 0.192 χ^2 /NDF: 3080073.6/25

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 622.411 ± 518.496 χ^2/NDF : 22.0/16

Left Out: 1207.400 ± 310.385 χ^2/NDF : 18.2/7

Right Out: -924.488 ± 514.636 χ^2/NDF : 12.6/19

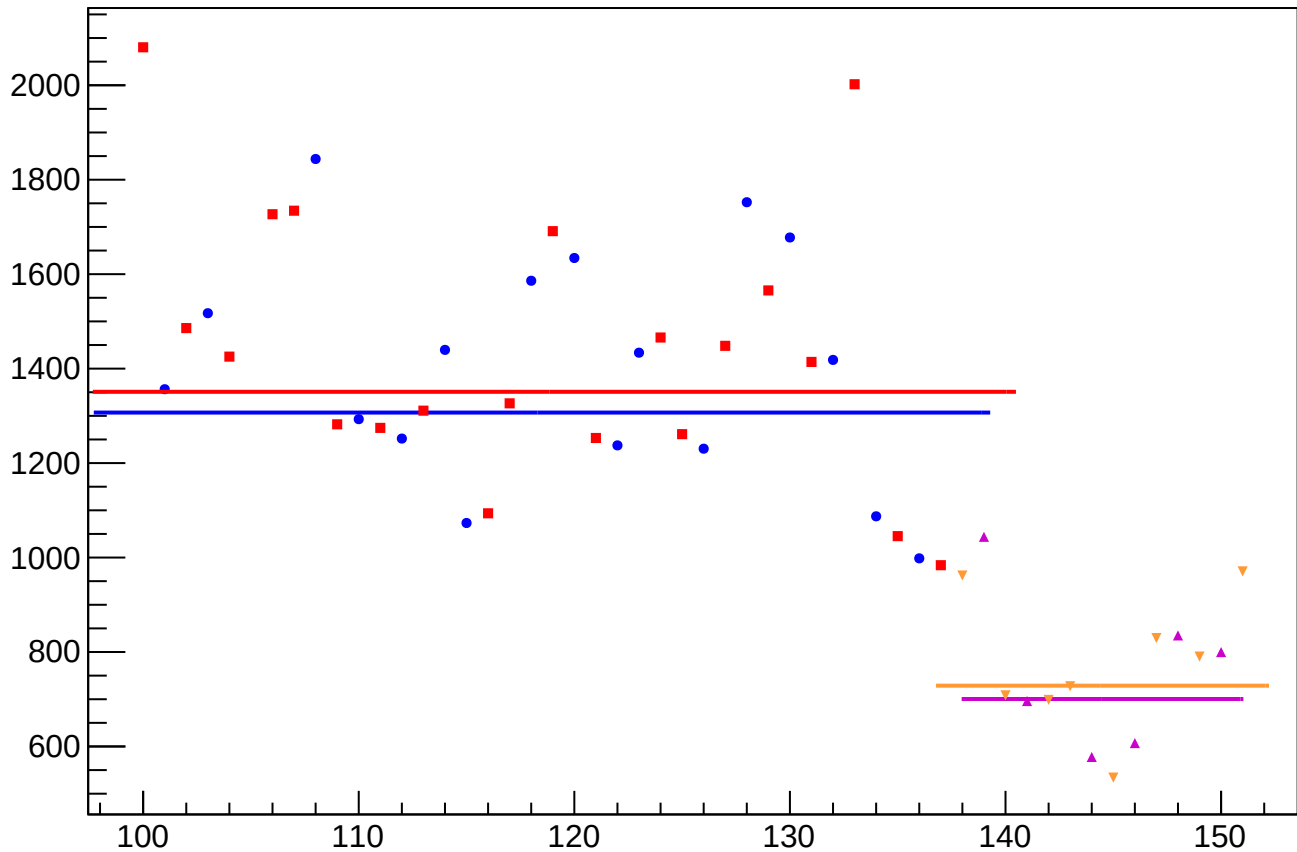
Left In: -370.590 ± 323.160 χ^2/NDF : 2.6/5

1053.072 ± 266.314 χ^2/NDF : 41.1/24

284.464 ± 190.862 χ^2/NDF : 74.2/50

-527.231 ± 273.677 χ^2/NDF : 16.1/25

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1306.980 ± 0.367 χ^2/NDF : 451191.7/16

Left Out: 728.711 ± 0.219 χ^2/NDF : 419318.5/7

Right Out: 1350.936 ± 0.364 χ^2/NDF : 421834.2/19

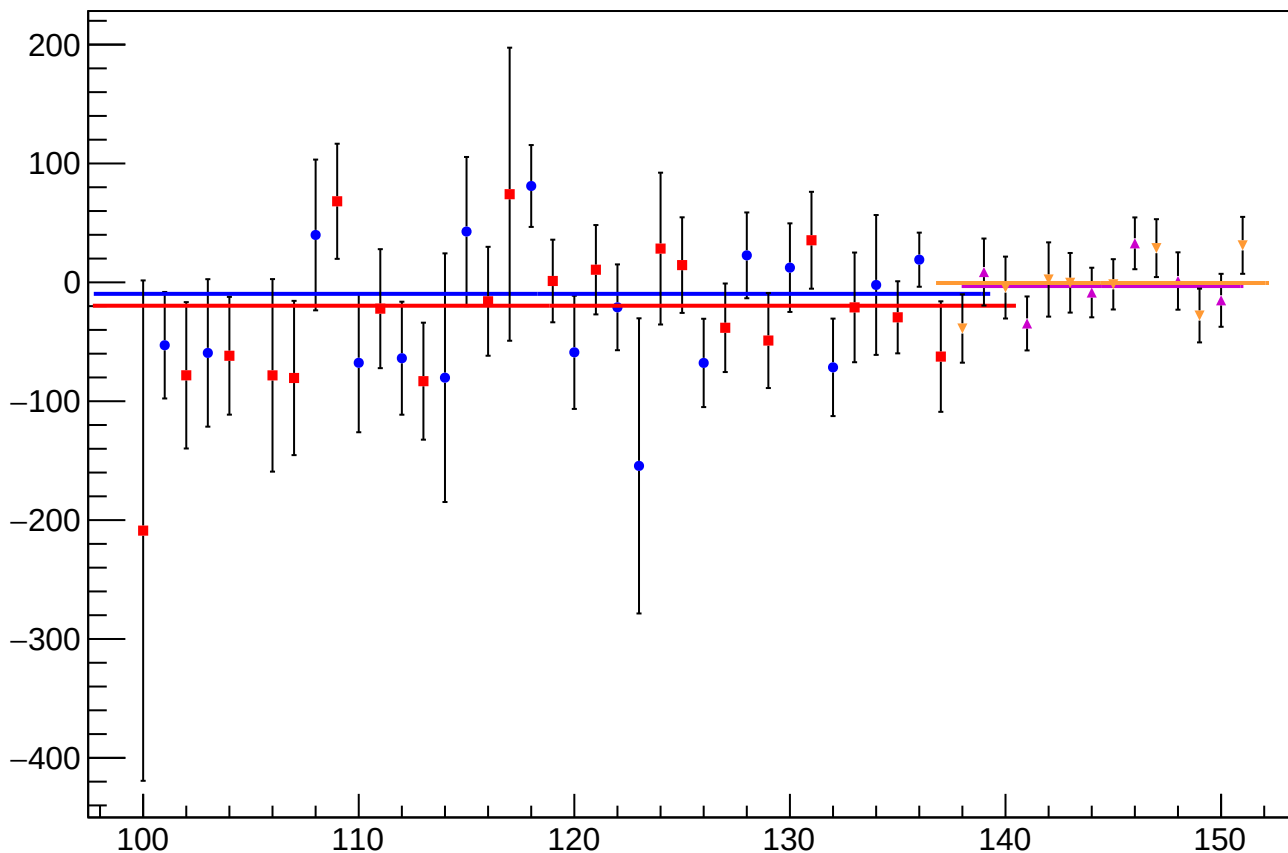
Left In: 700.509 ± 0.229 χ^2/NDF : 338352.6/5

881.266 ± 0.188 χ^2/NDF : 2701930.9/24

882.814 ± 0.135 χ^2/NDF : 5753483.1/50

884.448 ± 0.194 χ^2/NDF : 3051413.4/25

reg_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -9.669 $\pm$ 10.408 χ^2 /NDF: 22.6/16

Left Out: -0.537 $\pm$ 8.798 χ^2 /NDF: 6.5/7

Right Out: -19.662 $\pm$ 10.406 χ^2 /NDF: 15.2/19

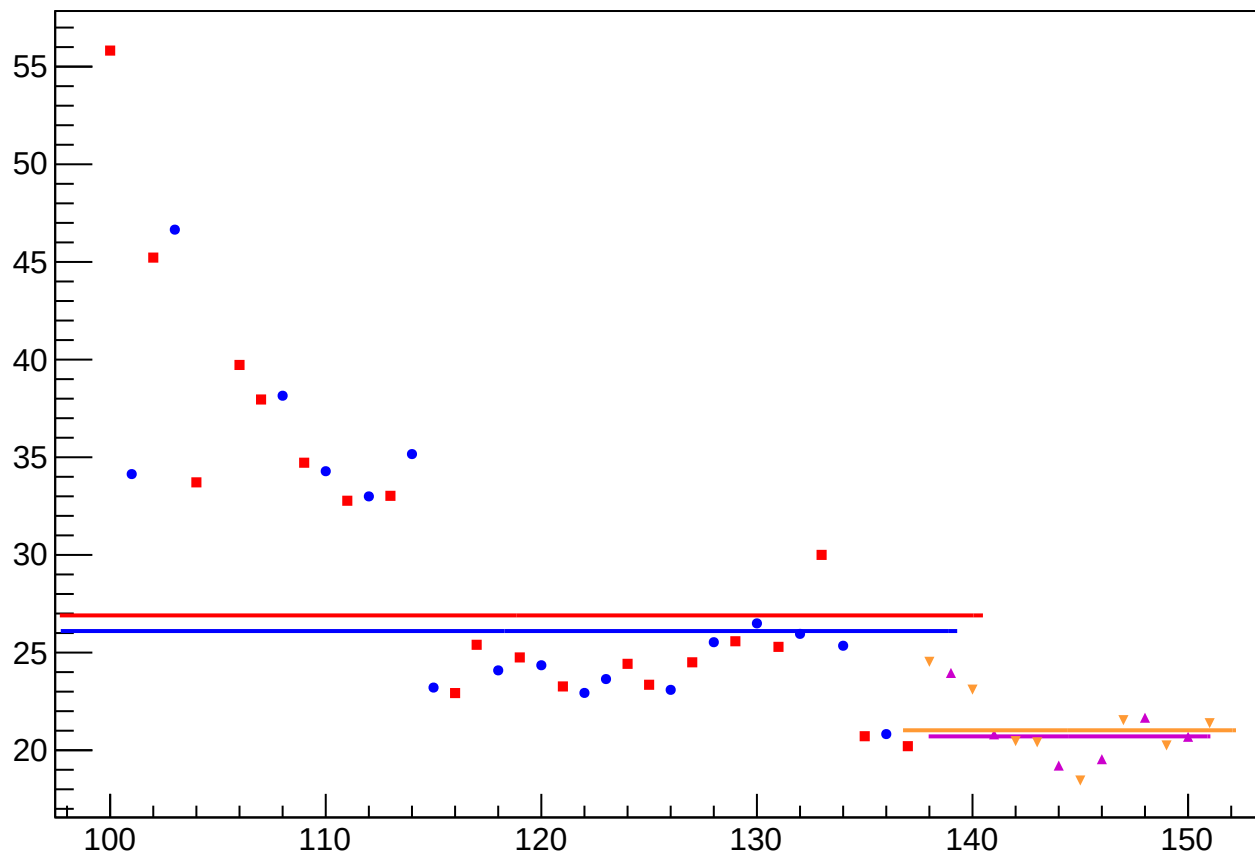
Left In: -3.102 $\pm$ 9.391 χ^2 /NDF: 5.2/5

-4.343 $\pm$ 6.719 χ^2 /NDF: 29.5/24

-7.325 $\pm$ 4.838 χ^2 /NDF: 51.7/50

-10.535 $\pm$ 6.972 χ^2 /NDF: 21.8/25

reg_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 26.103 ± 0.007 χ^2/NDF : 604038.5/16

Left Out: 21.022 ± 0.006 χ^2/NDF : 77591.4/7

Right Out: 26.903 ± 0.007 χ^2/NDF : 679269.9/19

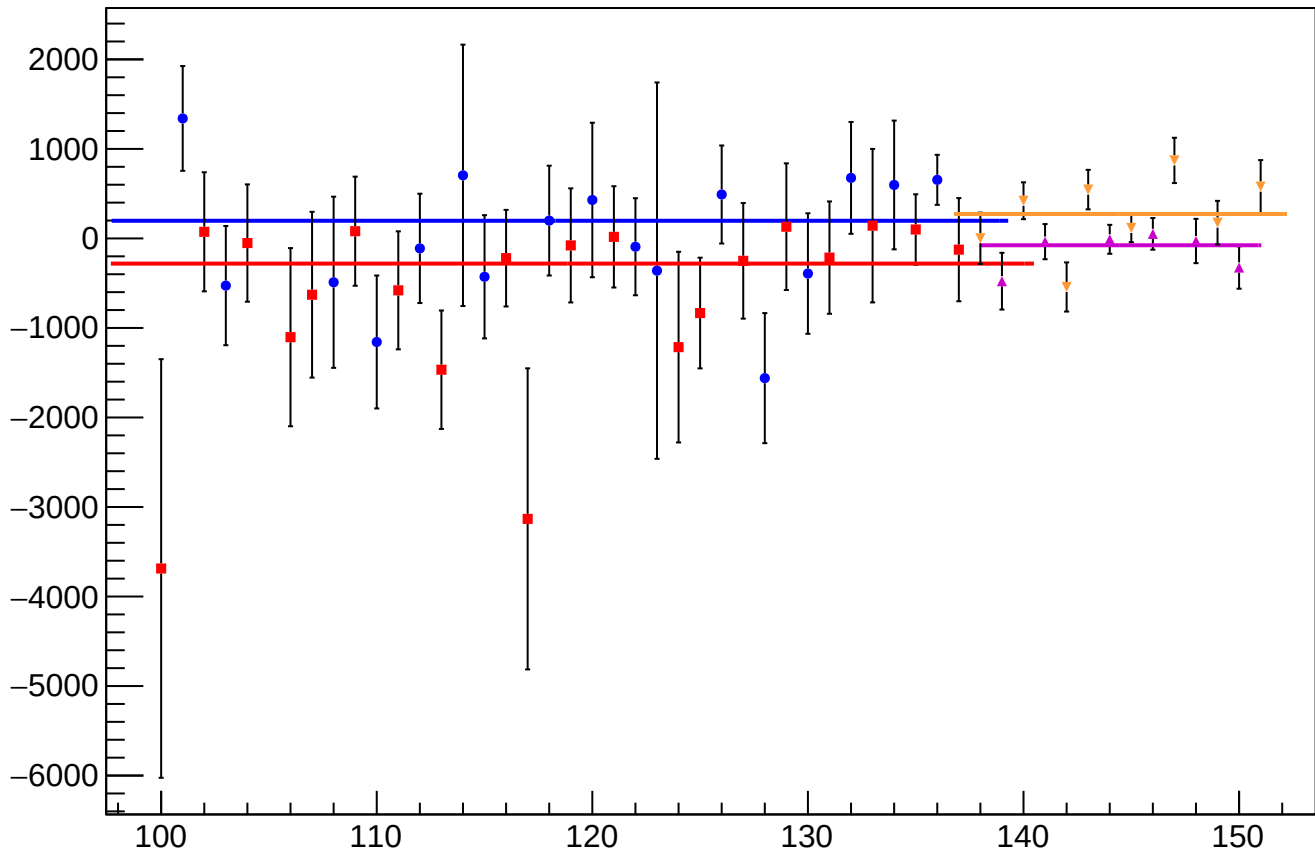
Left In: 20.709 ± 0.007 χ^2/NDF : 45759.1/5

23.139 ± 0.005 χ^2/NDF : 959621.4/24

23.308 ± 0.003 χ^2/NDF : 2077733.2/50

23.489 ± 0.005 χ^2/NDF : 1115496.7/25

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: 273.039 $\pm$ 80.828 χ^2/NDF : 19.5/7

Right Out: -281.185 $\pm$ 149.275 χ^2/NDF : 13.6/19

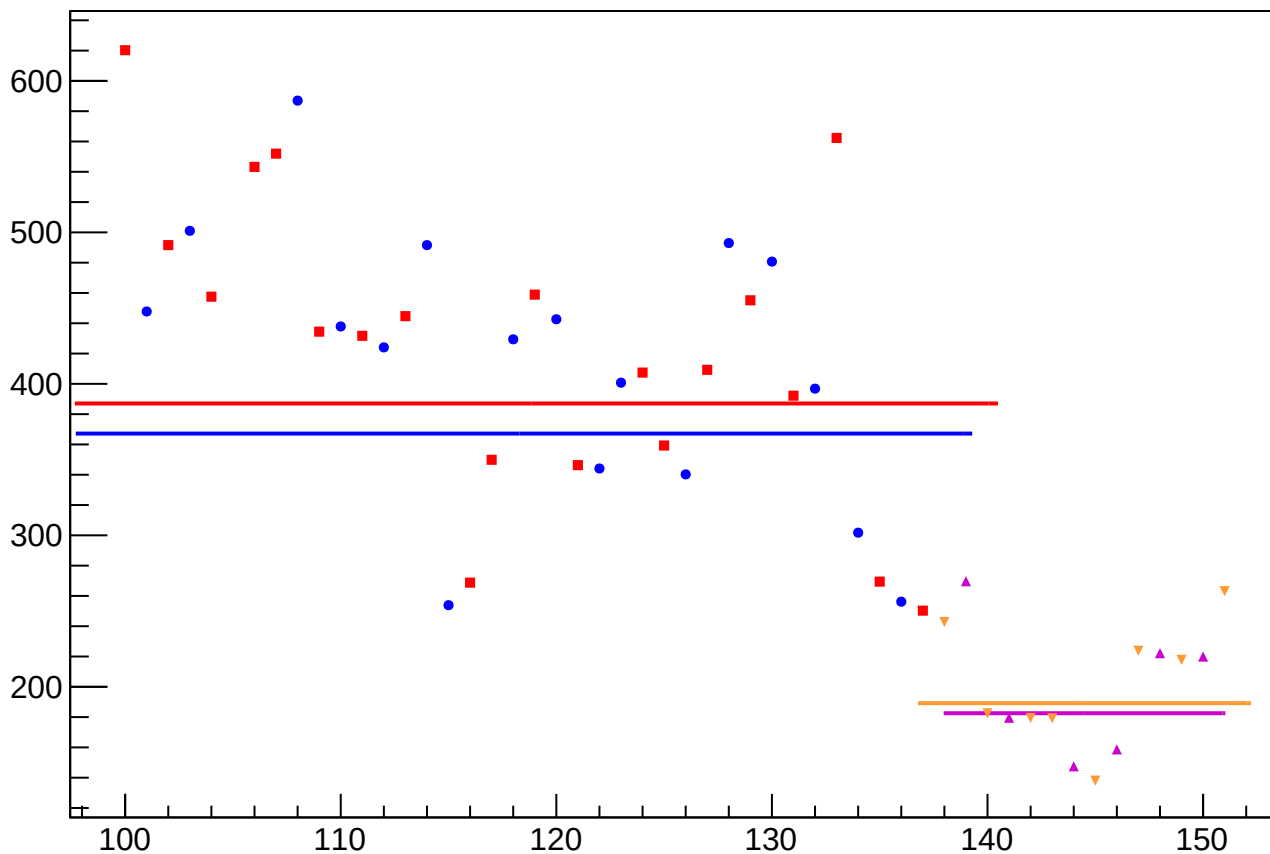
Left In: -76.241 $\pm$ 84.424 χ^2/NDF : 3.5/5

255.624 $\pm$ 70.926 χ^2/NDF : 40.7/24

71.620 $\pm$ 51.033 χ^2/NDF : 73.1/50

-125.908 $\pm$ 73.486 χ^2/NDF : 18.5/25

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: 189.194 $\pm$ 0.057 χ^2/NDF : 475031.7/7

Right Out: 387.048 $\pm$ 0.106 χ^2/NDF : 775547.5/19

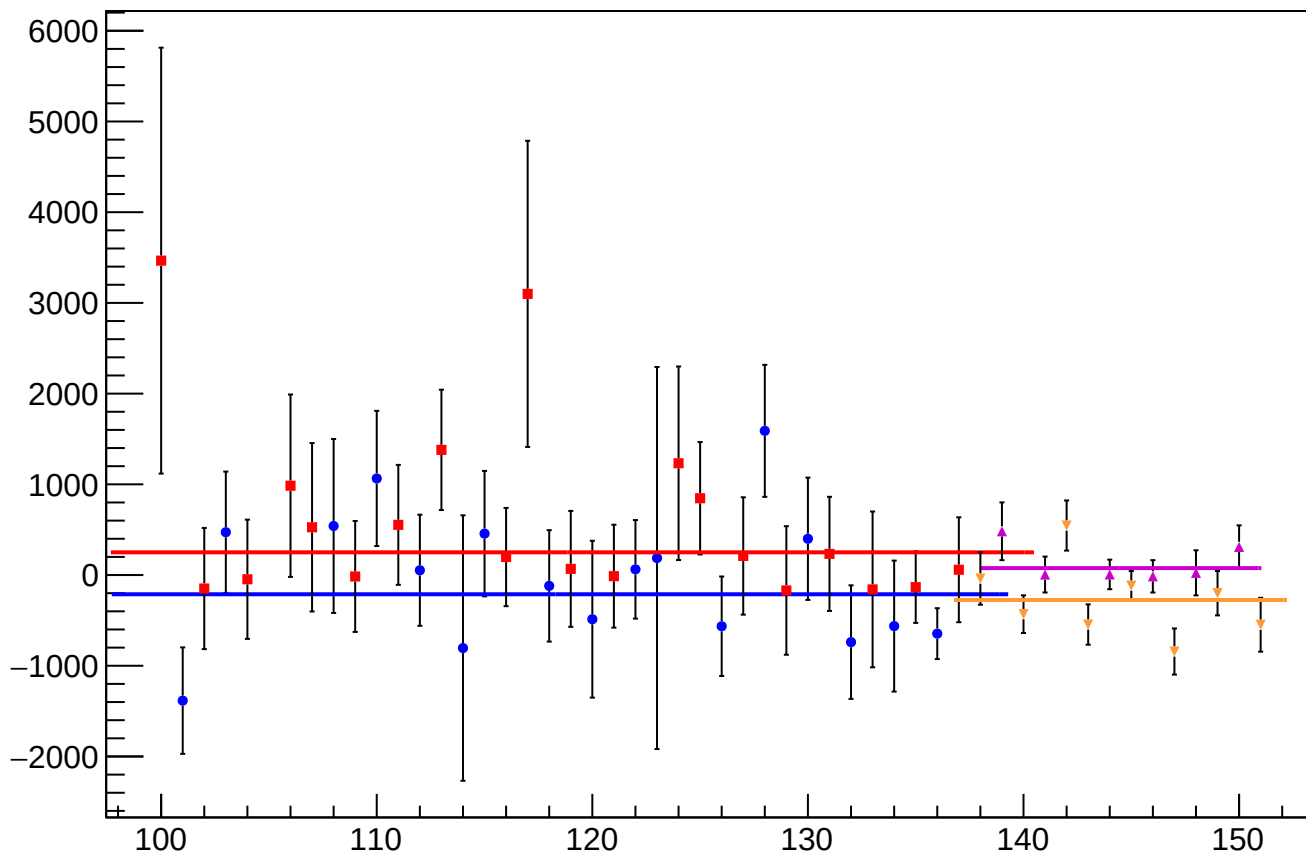
Left In: 182.559 $\pm$ 0.060 χ^2/NDF : 383312.8/5

230.135 $\pm$ 0.050 χ^2/NDF : 3532888.1/24

231.090 $\pm$ 0.036 χ^2/NDF : 7536099.7/50

232.116 $\pm$ 0.052 χ^2/NDF : 4002459.3/25

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -211.859 ± 148.316 $\chi^2/\text{NDF}: 21.0/16$

Left Out: -274.977 ± 81.369 $\chi^2/\text{NDF}: 18.5/7$

Right Out: 250.443 ± 149.724 $\chi^2/\text{NDF}: 12.9/19$

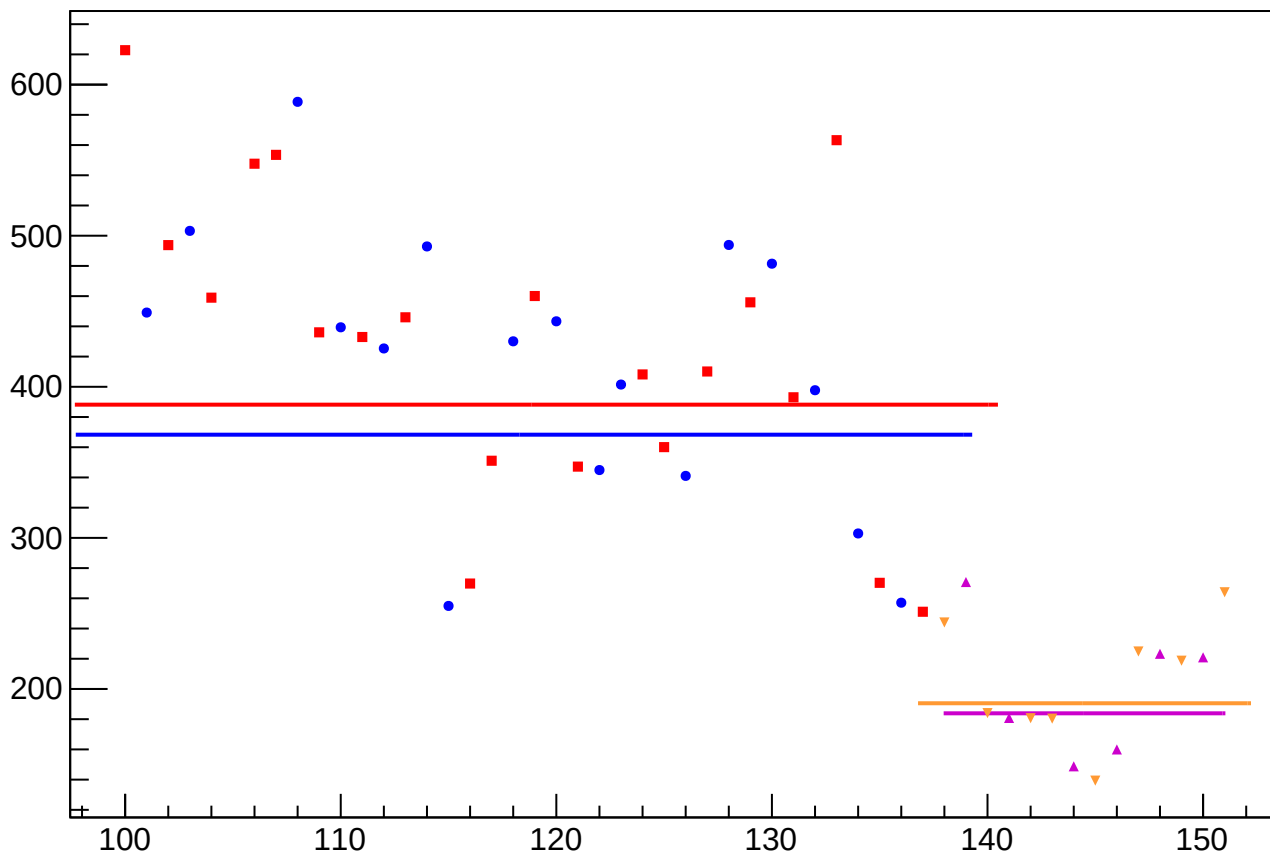
Left In: 76.584 ± 85.005 $\chi^2/\text{NDF}: 3.2/5$

-260.375 ± 71.338 $\chi^2/\text{NDF}: 39.6/24$

-77.450 ± 51.333 $\chi^2/\text{NDF}: 70.4/50$

118.964 ± 73.922 $\chi^2/\text{NDF}: 17.2/25$

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: 190.544 $\pm$ 0.058 χ^2/NDF : 466734.7/7

Right Out: 388.178 $\pm$ 0.106 χ^2/NDF : 775692.7/19

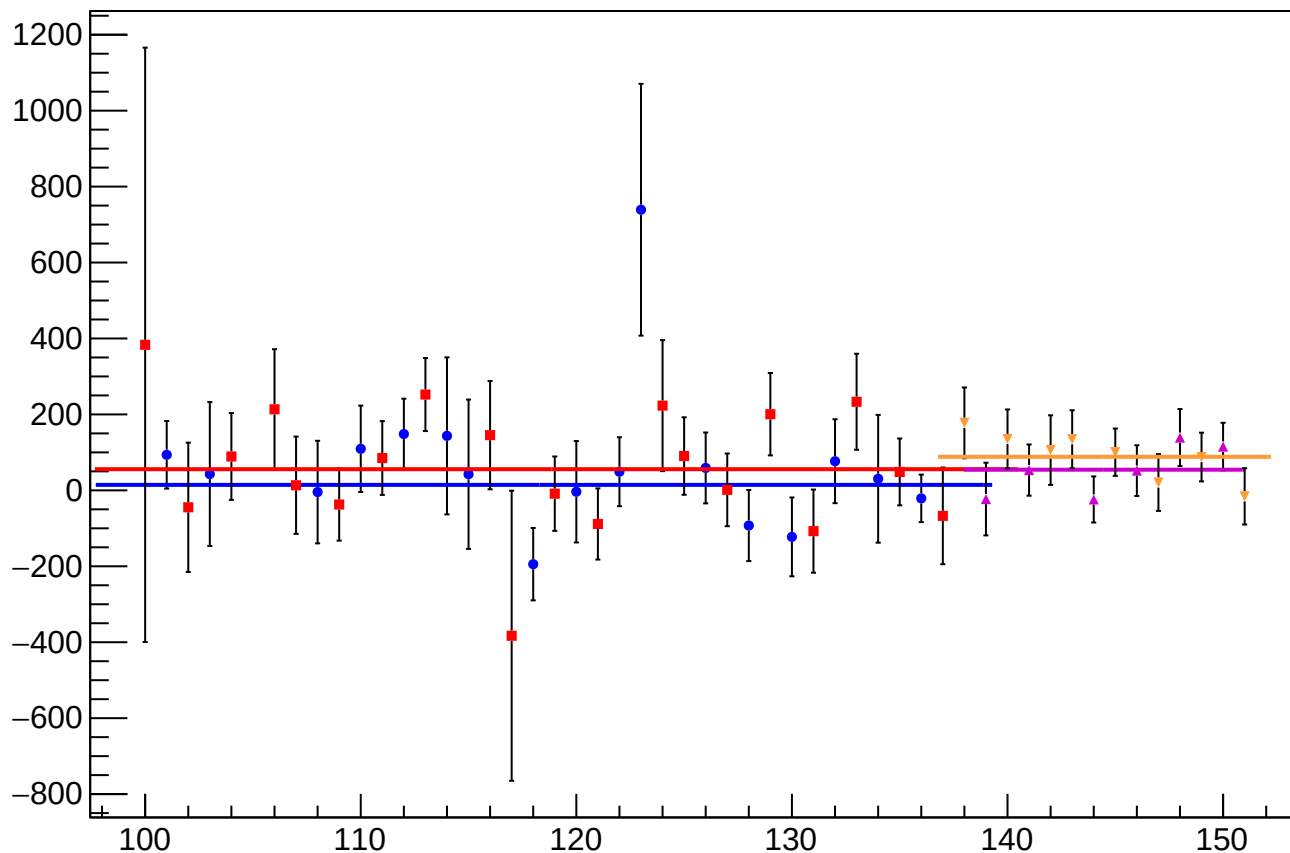
Left In: 183.889 $\pm$ 0.060 χ^2/NDF : 376973.2/5

231.668 $\pm$ 0.050 χ^2/NDF : 3499551.9/24

232.641 $\pm$ 0.036 χ^2/NDF : 7468777.4/50

233.686 $\pm$ 0.052 χ^2/NDF : 3968453.9/25

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: 88.389 $\pm$ 26.424 χ^2 /NDF: 4.5/7

Right Out: 55.744 $\pm$ 26.060 χ^2 /NDF: 19.7/19

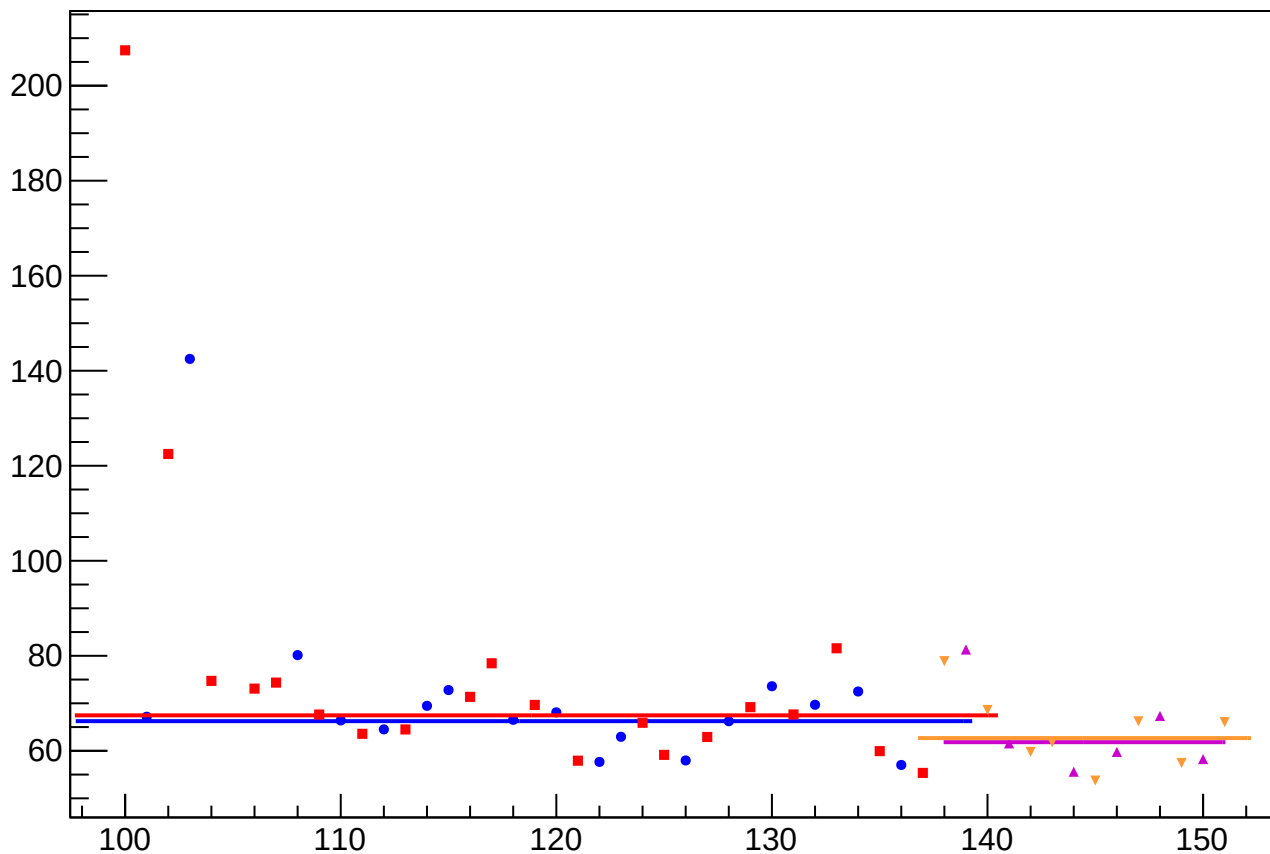
Left In: 54.393 $\pm$ 28.218 χ^2 /NDF: 4.5/5

51.261 $\pm$ 18.652 χ^2 /NDF: 26.1/24

53.141 $\pm$ 13.360 χ^2 /NDF: 50.4/50

55.122 $\pm$ 19.145 χ^2 /NDF: 24.3/25

reg_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 66.247+/-0.019 χ^2/NDF : 440944.2/16

Left Out: 62.682+/-0.019 χ^2/NDF :137280.7/7

Right Out: 67.466+/-0.018 χ^2/NDF : 395262.8/19

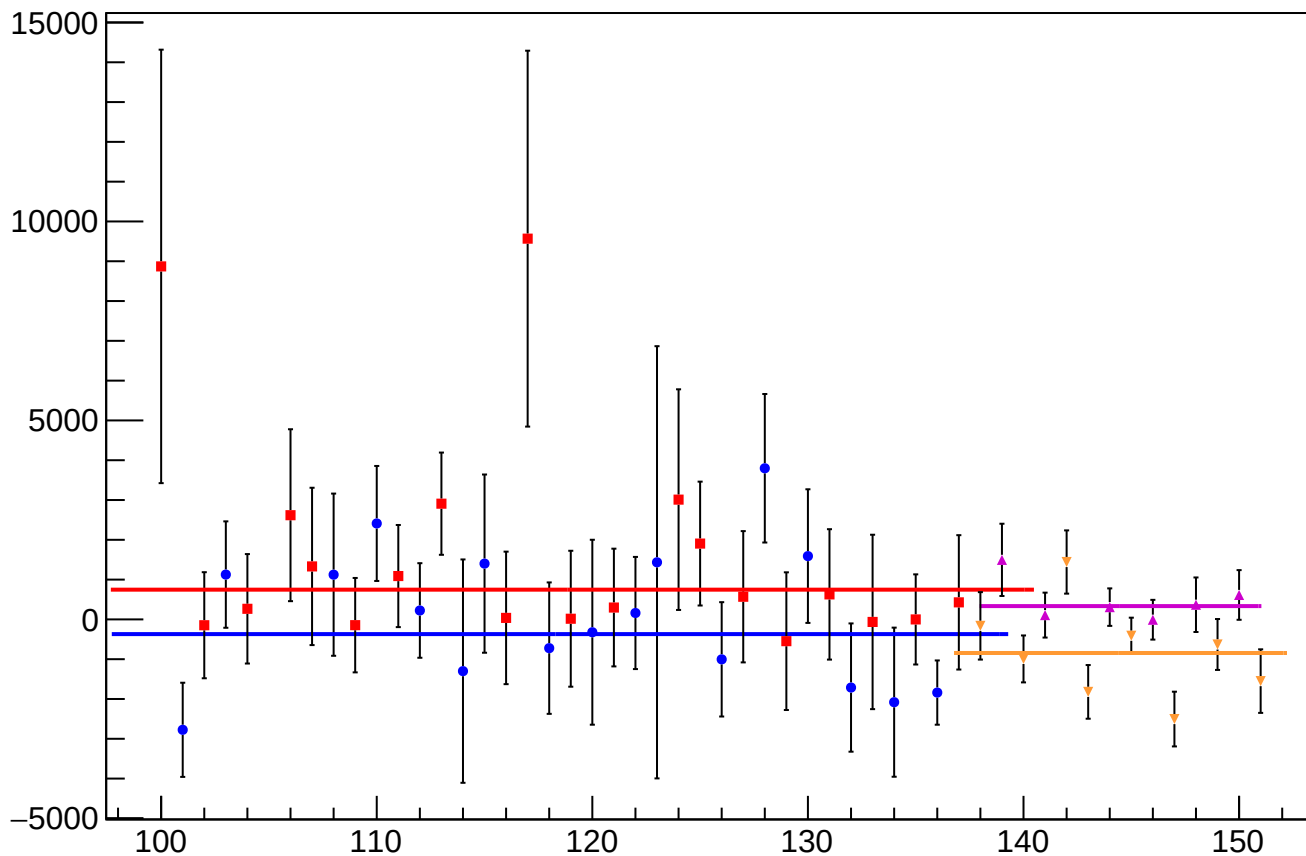
Left In: 61.822+/-0.020 χ^2/NDF :123116.2/5

64.471+/-0.013 χ^2/NDF : 596491.8/24

64.664+/-0.009 χ^2/NDF : 1158506.6/50

64.868+/-0.014 χ^2/NDF : 561572.5/25

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: -844.147 $\pm$ 229.239 χ^2 /NDF:18.7/7

Right Out: 747.208 $\pm$ 360.830 χ^2 /NDF: 13.4/19

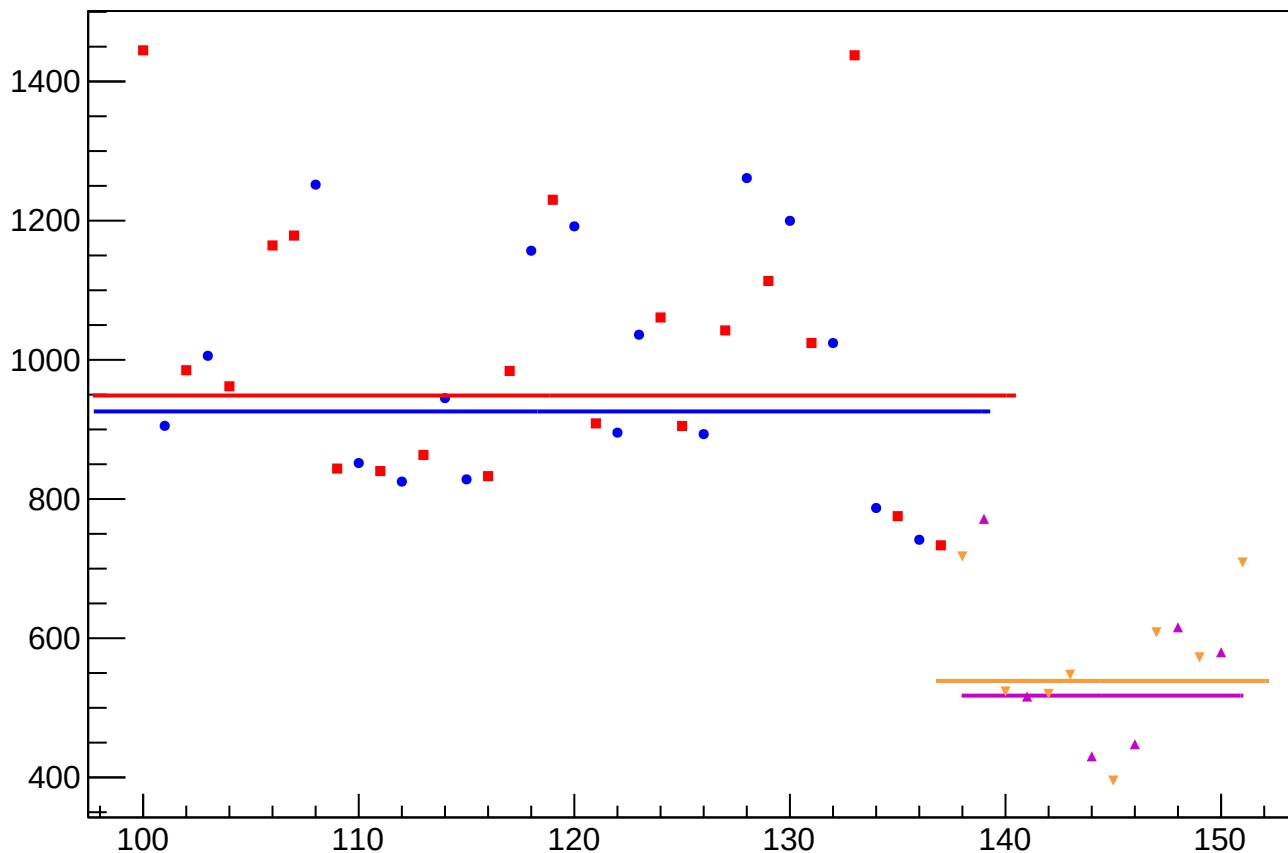
Left In: 334.317 $\pm$ 238.599 χ^2 /NDF:2.5/5

-710.649 $\pm$ 194.342 χ^2 /NDF: 42.2/24

-139.285 $\pm$ 139.046 χ^2 /NDF: 76.8/50

459.930 $\pm$ 199.022 χ^2 /NDF: 16.8/25

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: 538.577 $\pm$ 0.162 χ^2/NDF : 407961.9/7

Right Out: 948.760 $\pm$ 0.255 χ^2/NDF : 382044.0/19

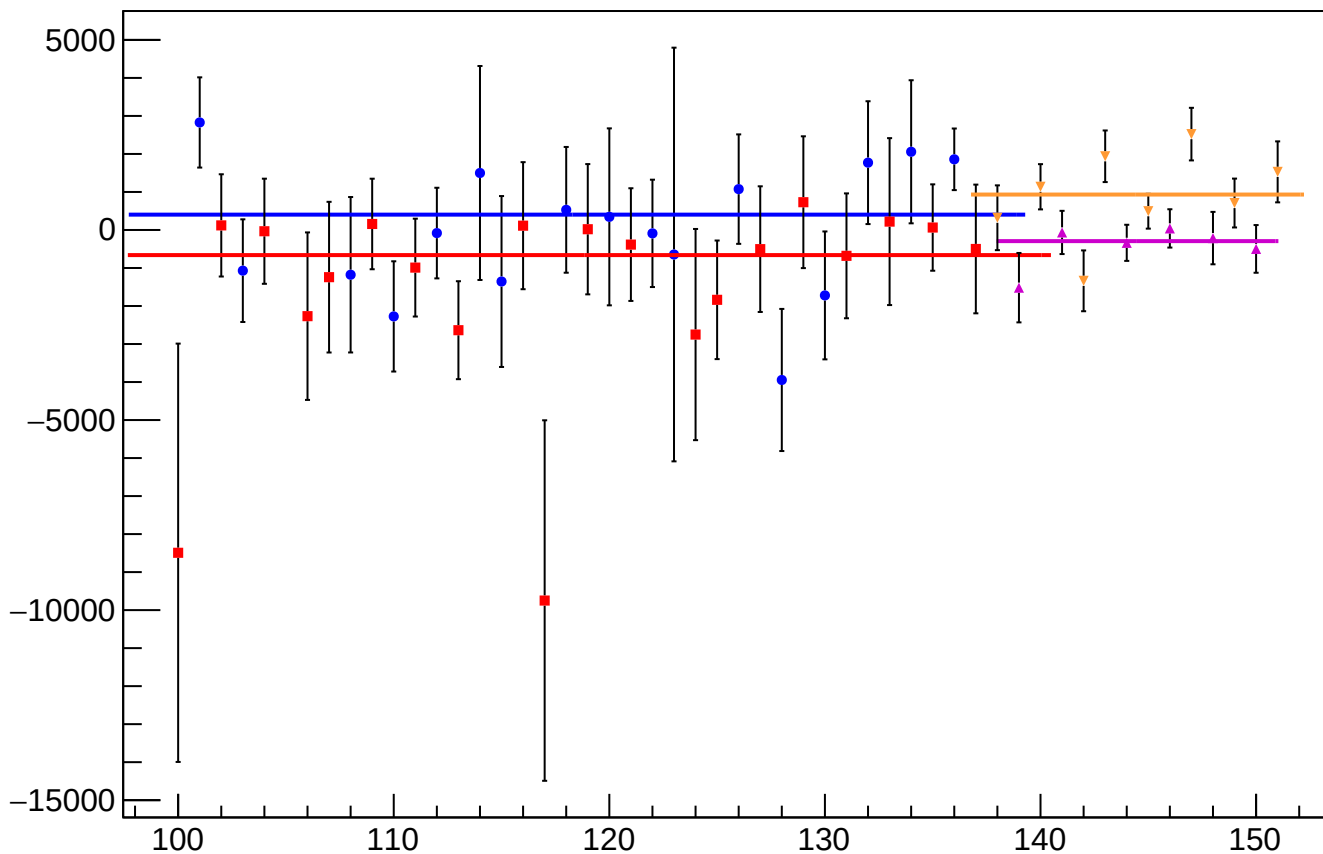
Left In: 517.542 $\pm$ 0.169 χ^2/NDF : 325268.0/5

647.521 $\pm$ 0.137 χ^2/NDF : 2404917.3/24

648.111 $\pm$ 0.098 χ^2/NDF : 5099671.9/50

648.730 $\pm$ 0.141 χ^2/NDF : 2694716.8/25

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 403.591+/-367.686 χ^2/NDF : 22.4/16

Left Out: 932.065+/-230.908 χ^2/NDF : 17.7/7

Right Out: -660.630+/-362.265 χ^2/NDF : 12.5/19

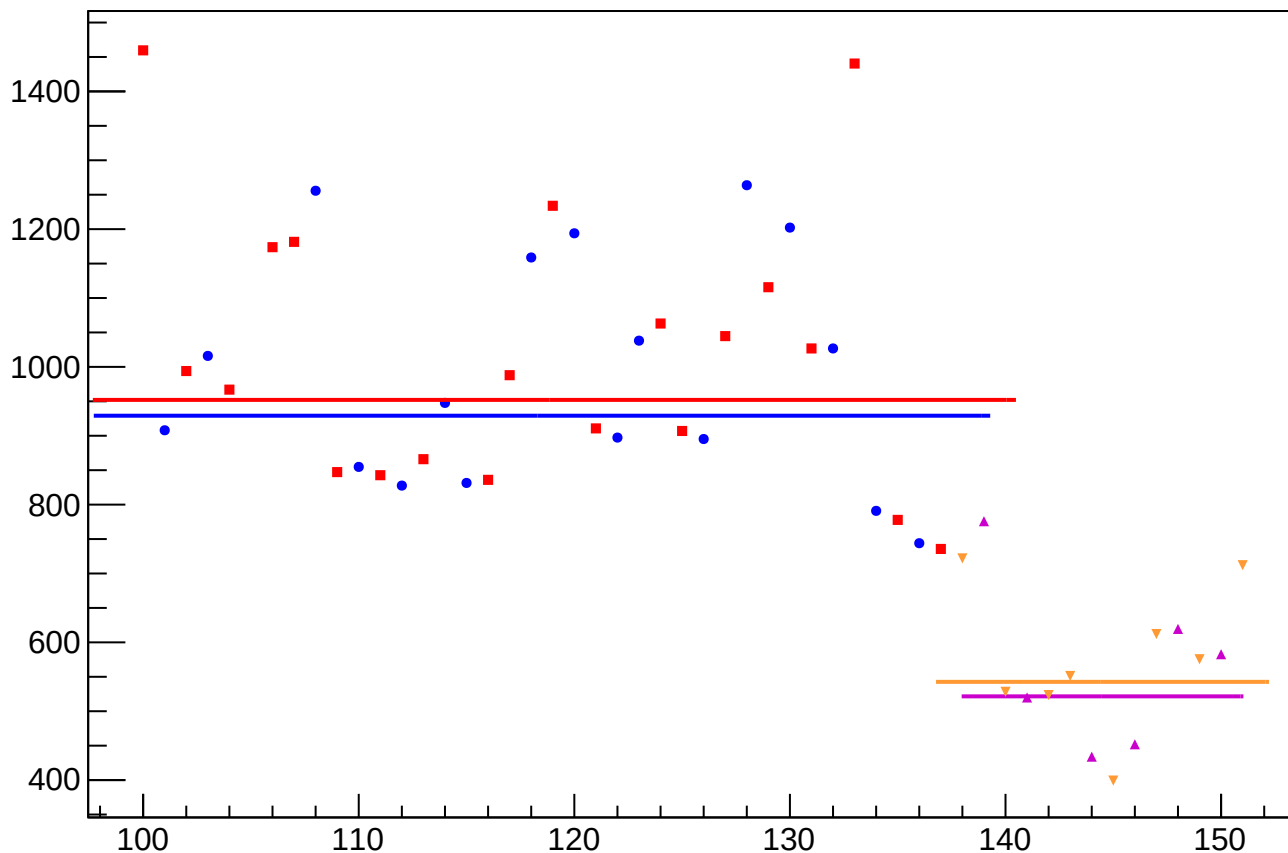
Left In: -293.110+/-240.400 χ^2/NDF : 2.5/5

782.591+/-195.545 χ^2/NDF : 41.6/24

202.851+/-139.925 χ^2/NDF : 75.4/50

-405.473+/-200.308 χ^2/NDF : 15.8/25

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 929.096 $\pm$ 0.260 χ^2/NDF : 390292.1/16

Left Out: 542.658 $\pm$ 0.163 χ^2/NDF : 401219.6/7

Right Out: 952.057 $\pm$ 0.256 χ^2/NDF : 382334.5/19

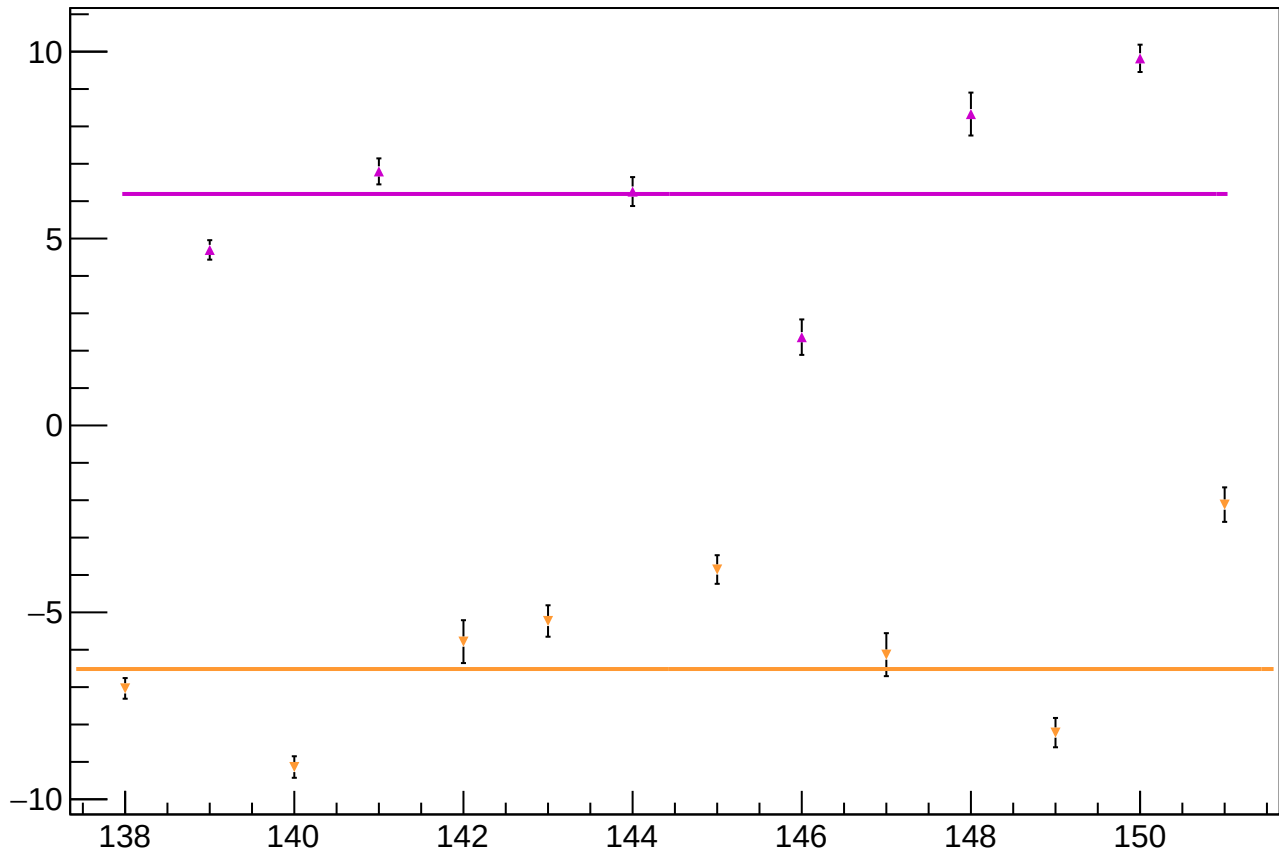
Left In: 521.594 $\pm$ 0.170 χ^2/NDF : 320619.9/5

651.958 $\pm$ 0.138 χ^2/NDF : 2375866.8/24

652.565 $\pm$ 0.099 χ^2/NDF : 5039394.0/50

653.201 $\pm$ 0.142 χ^2/NDF : 2663487.8/25

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -6.516 $\pm$ 0.135 χ^2 /NDF: 255.6/7

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

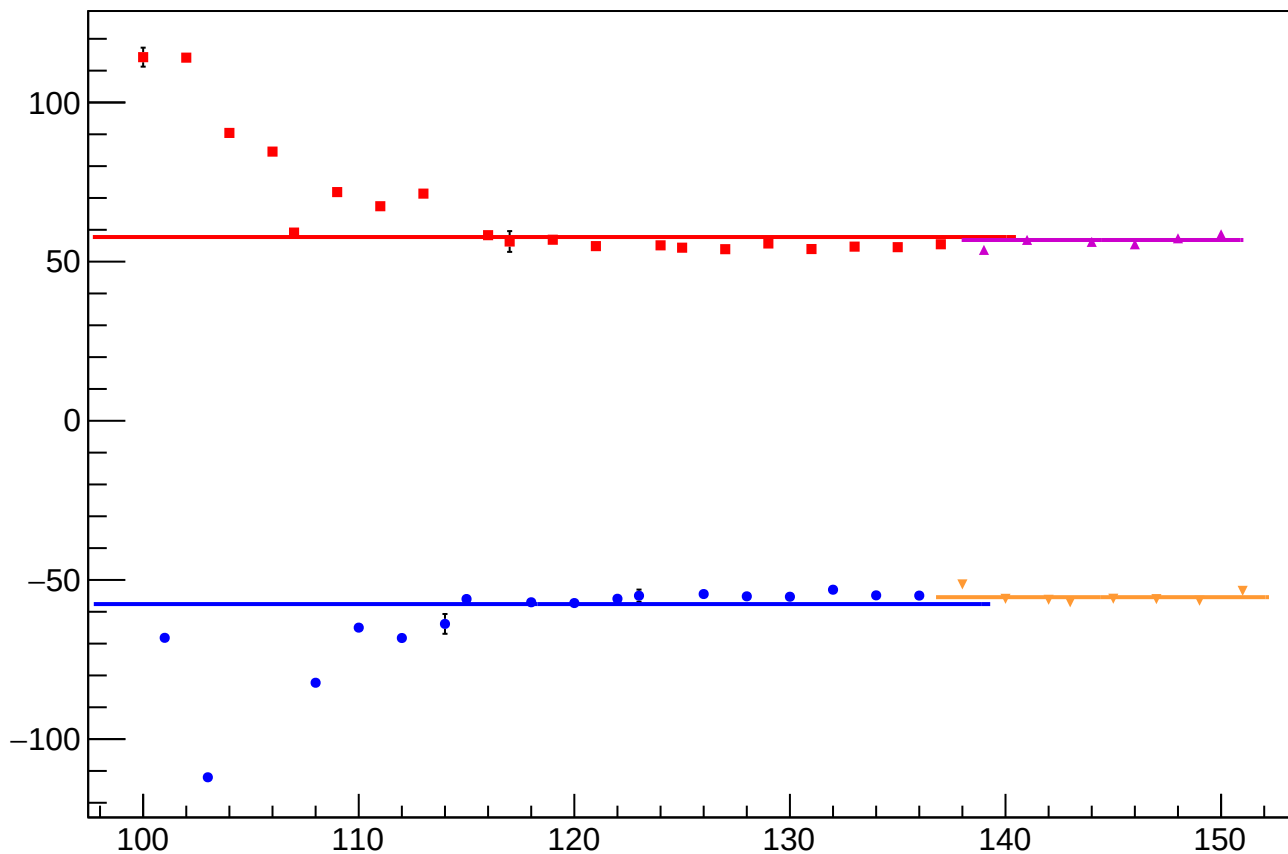
Left In: 6.193 $\pm$ 0.150 χ^2 /NDF: 213.5/5

-6.516 $\pm$ 0.135 χ^2 /NDF: 255.6/7

-0.815 $\pm$ 0.100 χ^2 /NDF: 4442.3/13

6.193 $\pm$ 0.150 χ^2 /NDF: 213.5/5

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.581 ± 0.143 χ^2/NDF : 3455.5/16

Left Out: -55.412 ± 0.102 χ^2/NDF : 272.1/7

Right Out: 57.730 ± 0.143 χ^2/NDF : 4698.7/19

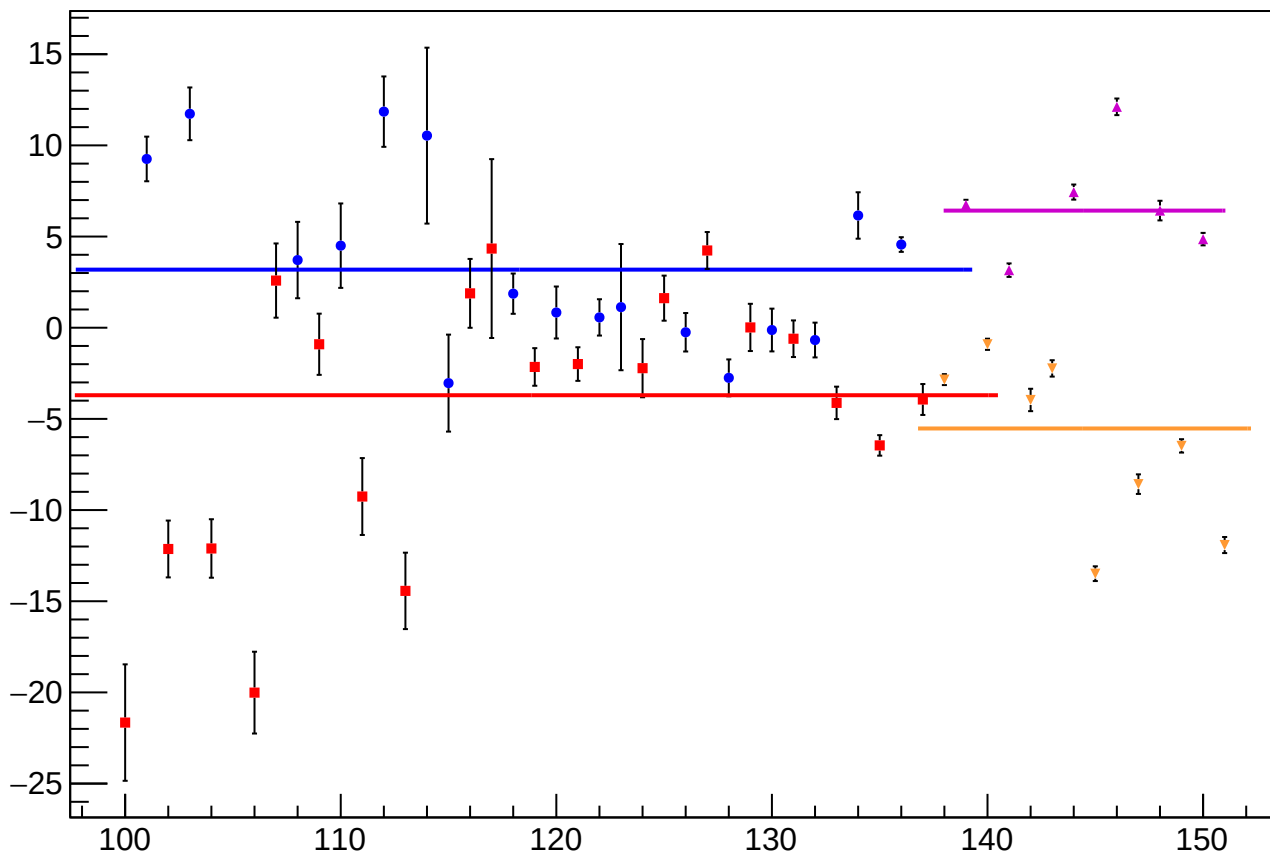
Left In: 56.797 ± 0.118 χ^2/NDF : 122.7/5

-56.139 ± 0.083 χ^2/NDF : 3880.4/24

-4.715 ± 0.061 χ^2/NDF : 858742.5/50

57.174 ± 0.091 χ^2/NDF : 4846.8/25

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.185 ± 0.259 χ^2/NDF : 185.8/16

Left Out: -5.526 ± 0.139 χ^2/NDF : 1003.1/7

Right Out: -3.702 ± 0.267 χ^2/NDF : 326.8/19

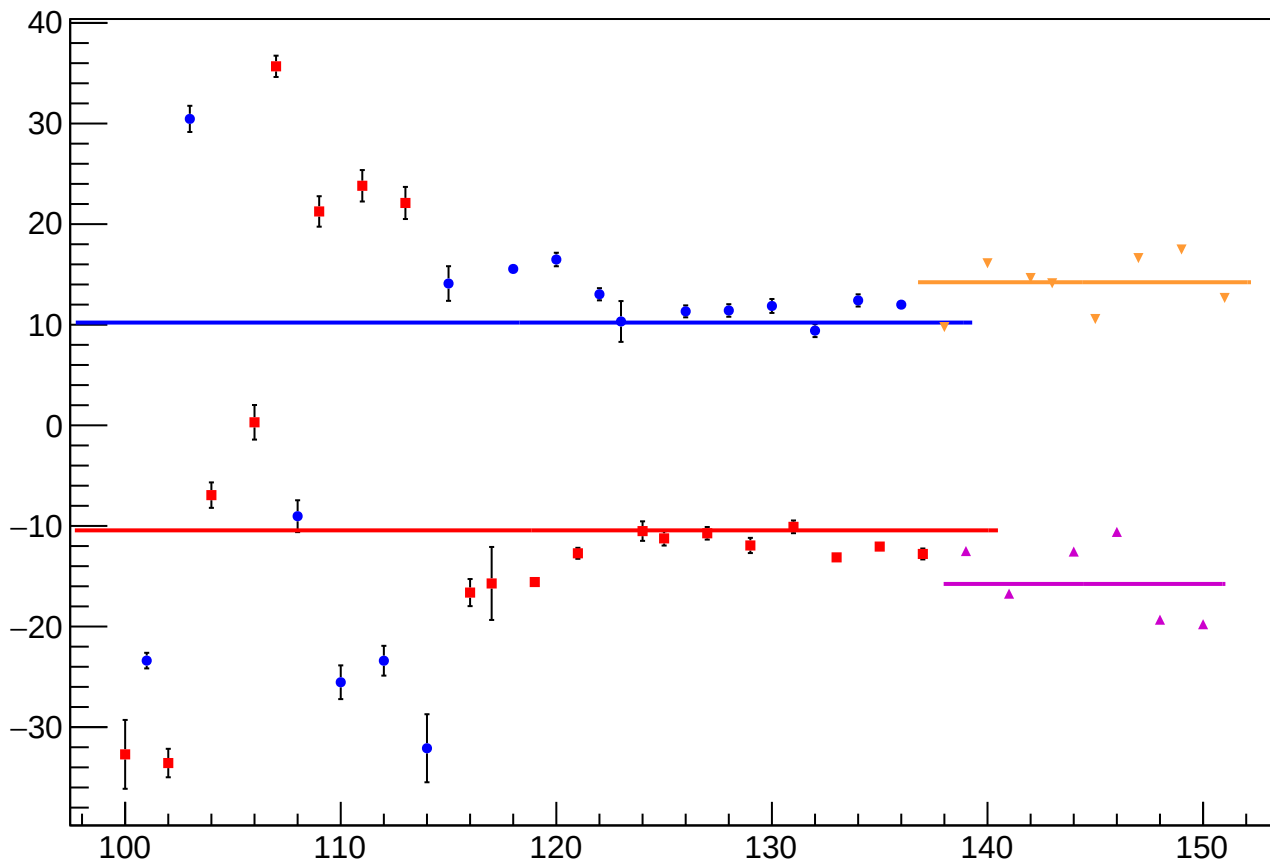
Left In: 6.423 ± 0.153 χ^2/NDF : 262.2/5

-3.570 ± 0.123 χ^2/NDF : 2066.2/24

-0.130 ± 0.090 χ^2/NDF : 5443.2/50

3.911 ± 0.133 χ^2/NDF : 1669.1/25

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.215 ± 0.158 χ^2/NDF : 3692.6/16

Left Out: 14.224 ± 0.123 χ^2/NDF : 475.4/7

Right Out: -10.440 ± 0.160 χ^2/NDF : 3829.1/19

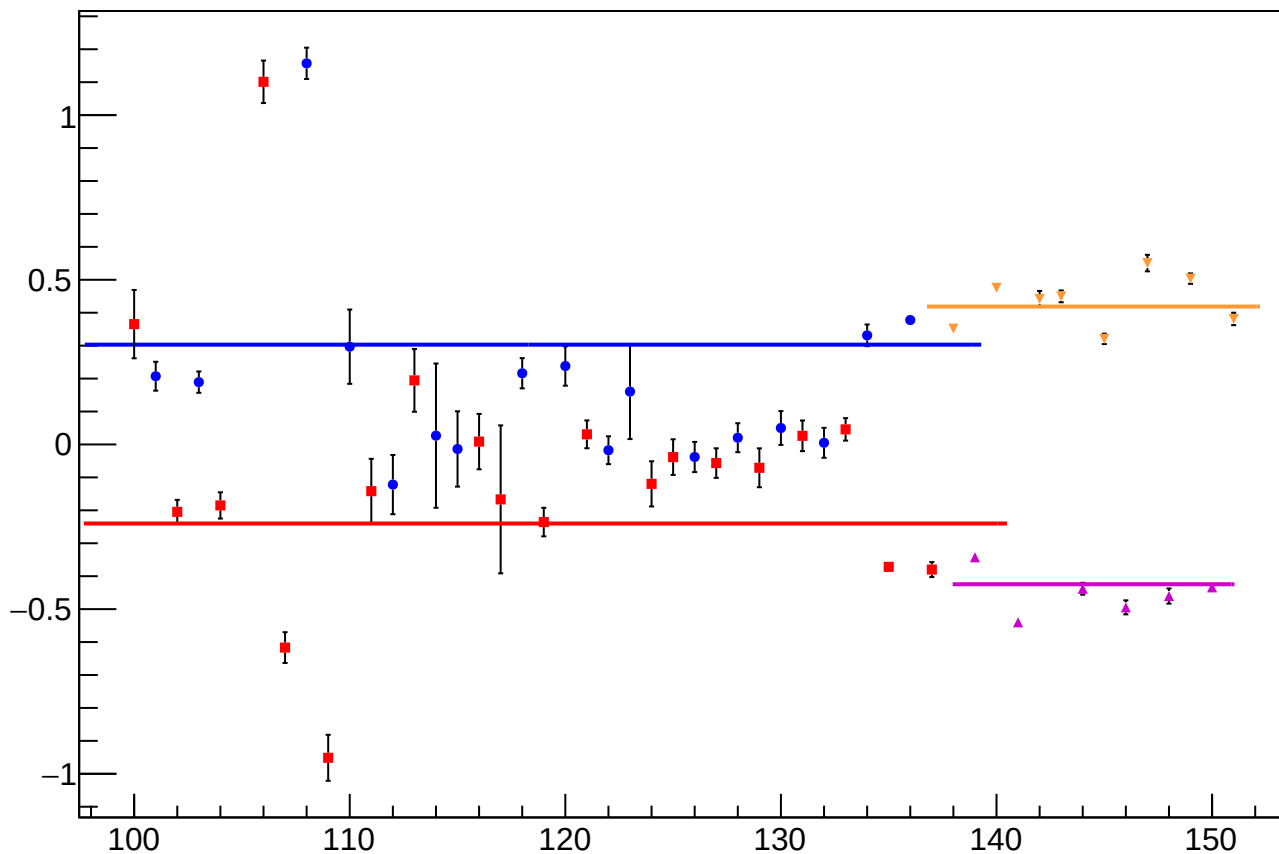
Left In: -15.766 ± 0.140 χ^2/NDF : 619.3/5

12.716 ± 0.097 χ^2/NDF : 4569.2/24

0.736 ± 0.071 χ^2/NDF : 42991.2/50

-13.447 ± 0.105 χ^2/NDF : 5074.9/25

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.303 ± 0.008 $\chi^2/\text{NDF}: 646.3/16$

Left Out: 0.419 ± 0.006 $\chi^2/\text{NDF}: 154.5/7$

Right Out: -0.240 ± 0.009 $\chi^2/\text{NDF}: 984.5/19$

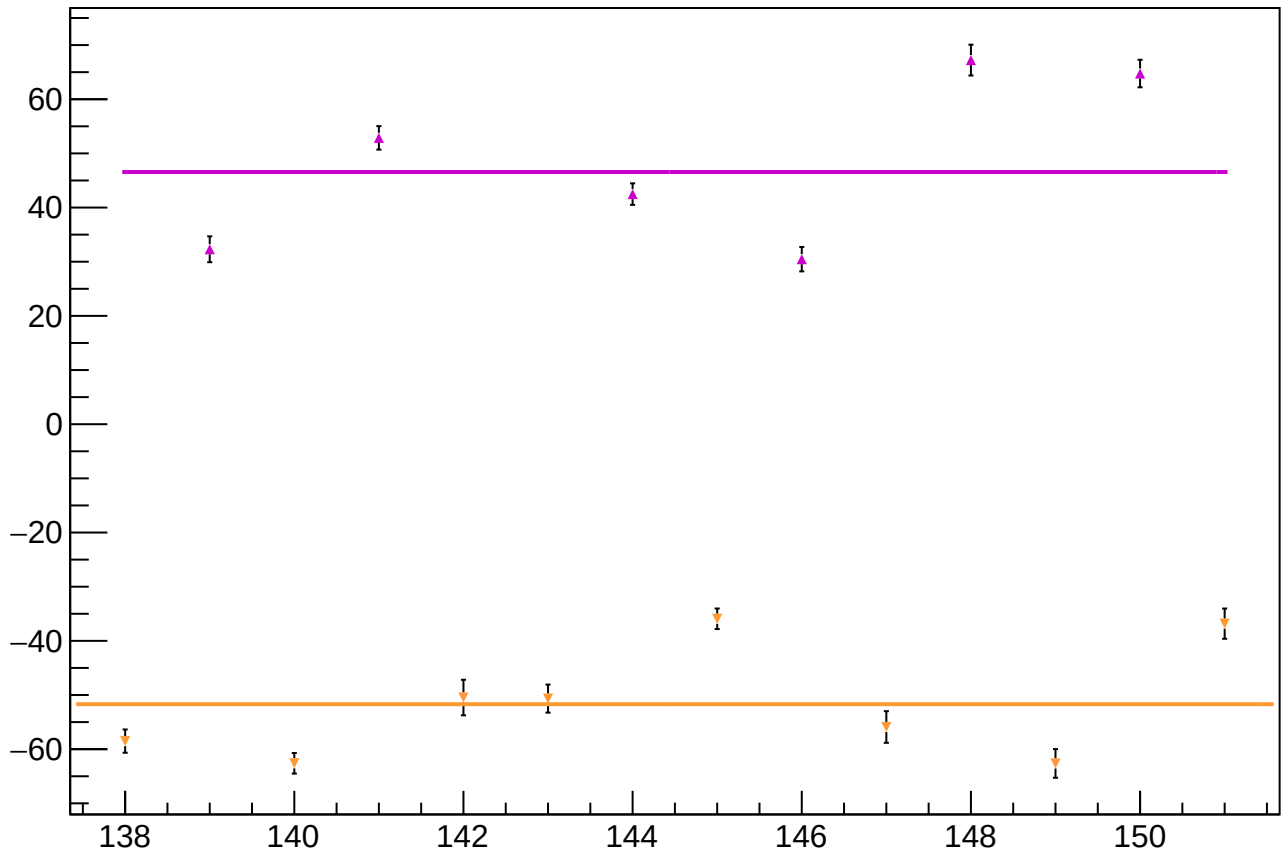
Left In: -0.424 ± 0.006 $\chi^2/\text{NDF}: 143.1/5$

0.381 ± 0.005 $\chi^2/\text{NDF}: 933.8/24$

0.029 ± 0.003 $\chi^2/\text{NDF}: 14134.2/50$

-0.362 ± 0.005 $\chi^2/\text{NDF}: 1436.8/25$

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -51.693+/-0.844 χ^2/NDF :160.2/7

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

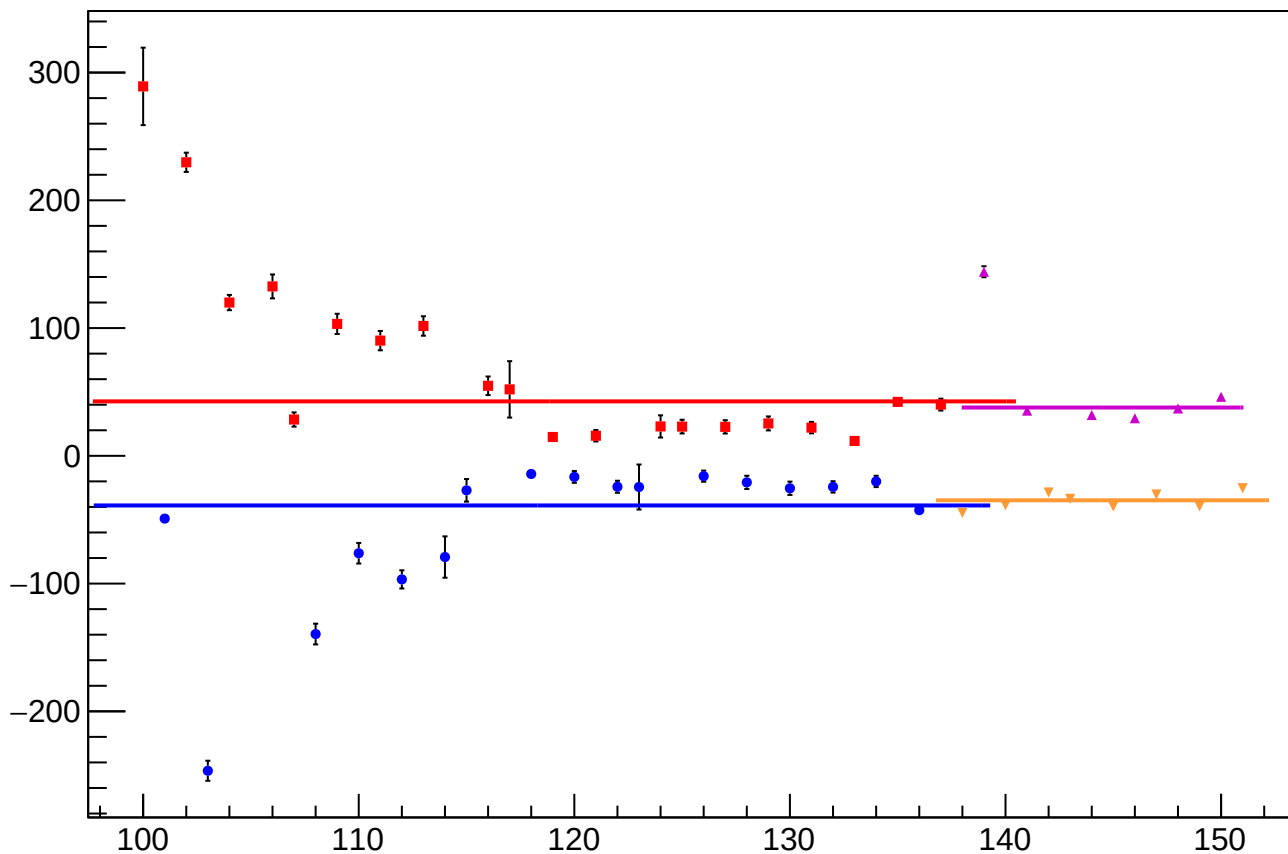
Left In: 46.560+/-0.946 χ^2/NDF :203.4/5

-51.693+/-0.844 χ^2/NDF : 160.2/7

-8.147+/-0.630 χ^2/NDF : 6366.9/13

46.560+/-0.946 χ^2/NDF : 203.4/5

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -38.844 ± 1.148 χ^2/NDF : 1121.9/16

Left Out: -34.807 ± 0.592 χ^2/NDF : 99.3/7

Right Out: 42.614 ± 1.208 χ^2/NDF : 1345.9/19

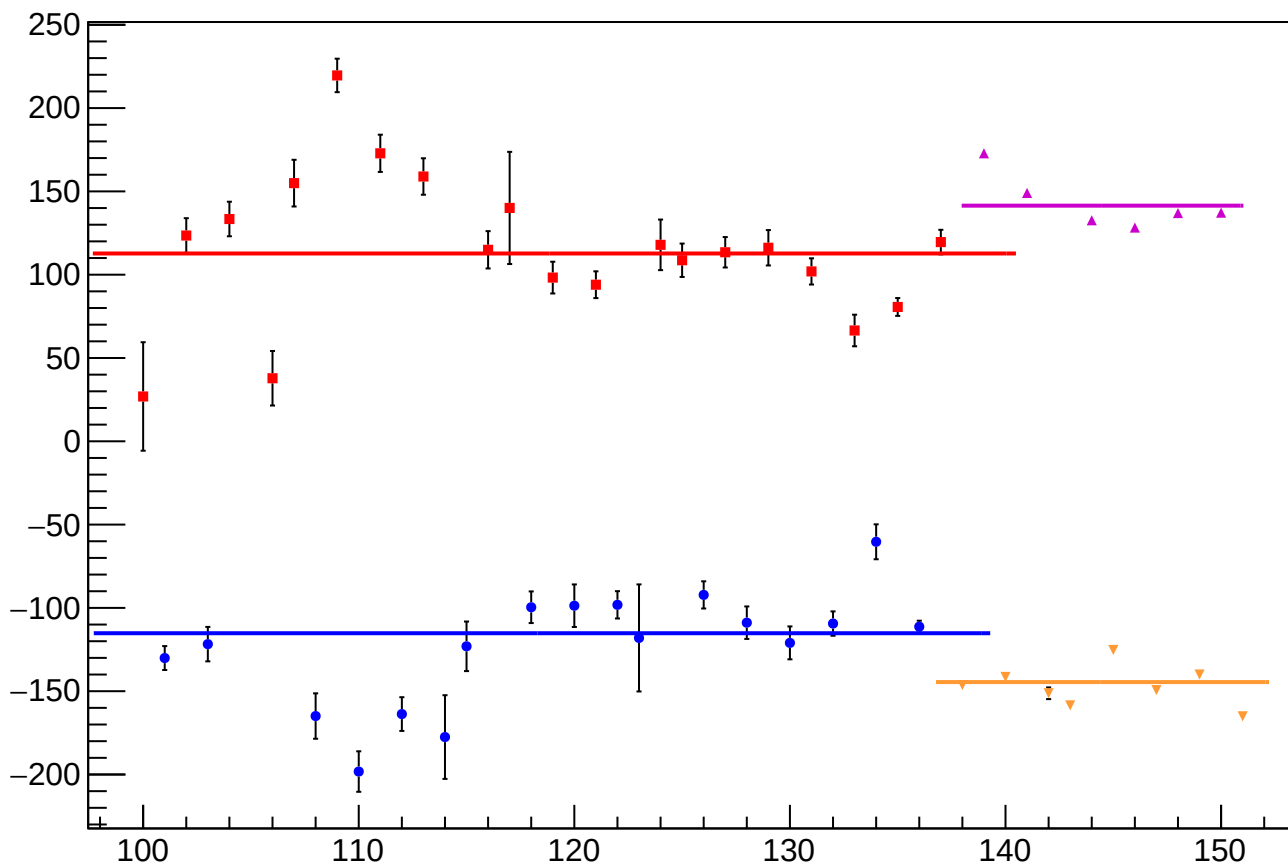
Left In: 37.811 ± 0.653 χ^2/NDF : 696.8/5

-35.655 ± 0.526 χ^2/NDF : 1231.0/24

-1.630 ± 0.388 χ^2/NDF : 12449.4/50

38.896 ± 0.574 χ^2/NDF : 2054.8/25

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -115.199 ± 2.081 $\chi^2/\text{NDF}: 140.8/16$

Left Out: -144.522 ± 0.869 $\chi^2/\text{NDF}: 189.3/7$

Right Out: 112.729 ± 2.205 $\chi^2/\text{NDF}: 273.1/19$

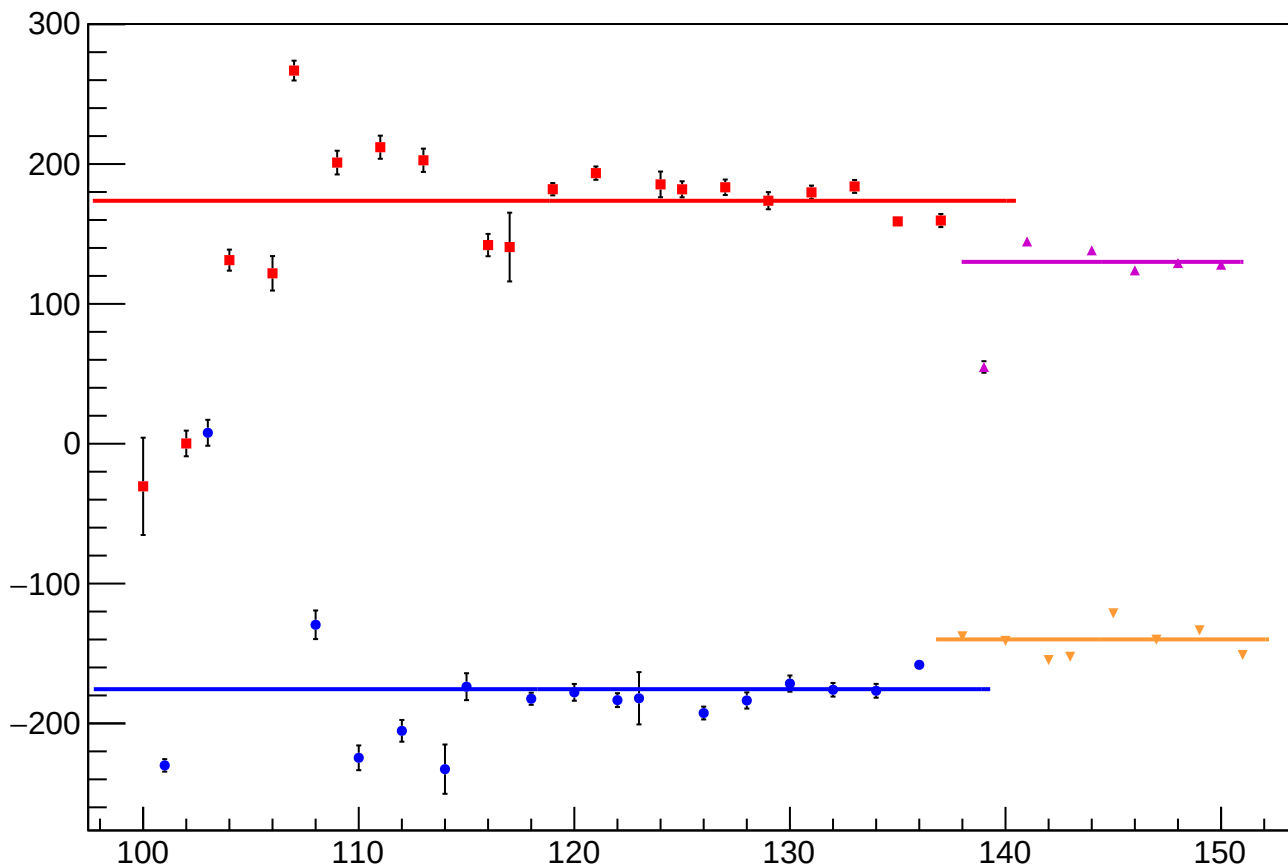
Left In: 141.435 ± 0.958 $\chi^2/\text{NDF}: 218.5/5$

-140.170 ± 0.802 $\chi^2/\text{NDF}: 499.0/24$

-14.247 ± 0.592 $\chi^2/\text{NDF}: 55397.5/50$

136.878 ± 0.878 $\chi^2/\text{NDF}: 634.2/25$

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -175.521+/-1.277 χ^2 /NDF: 692.3/16

Left Out: -139.925+/-0.728 χ^2 /NDF:218.7/7

Right Out: 173.729+/-1.354 χ^2 /NDF: 739.7/19

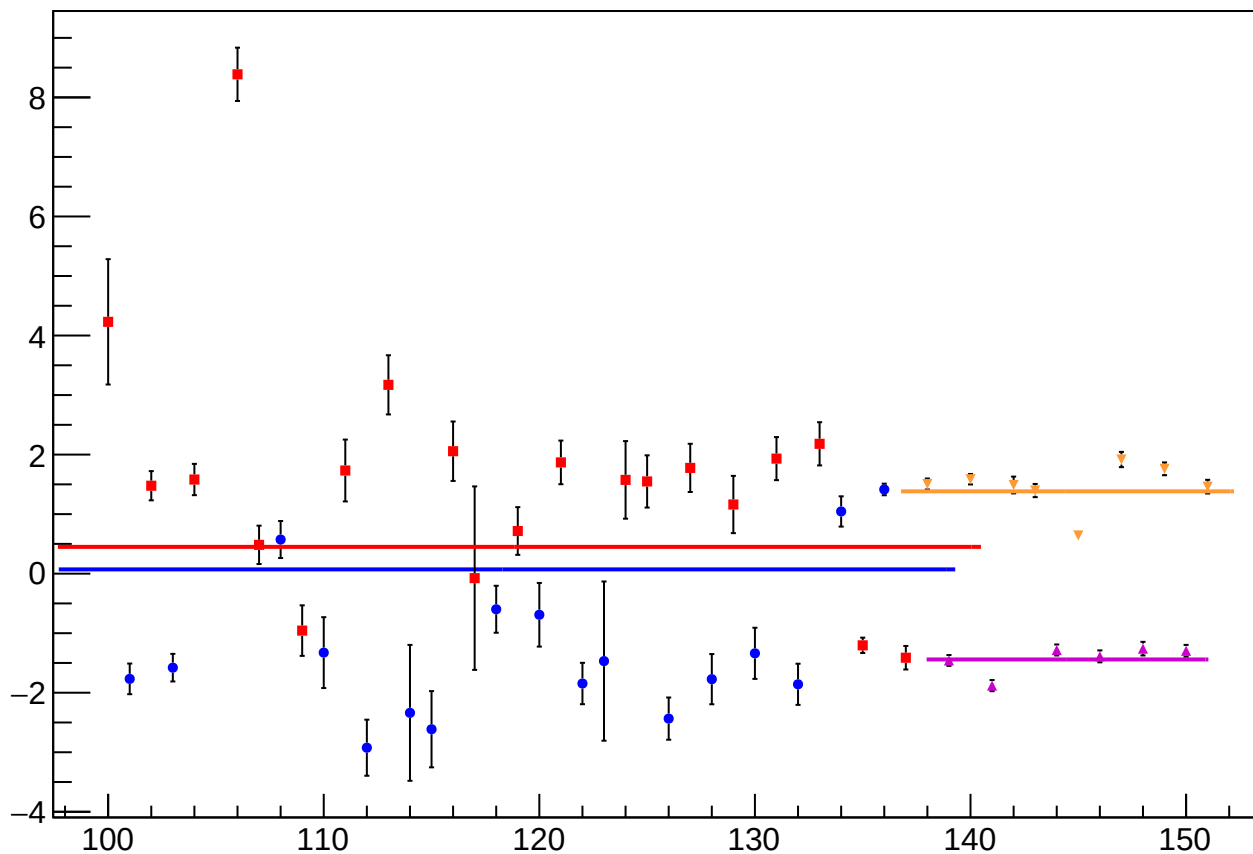
Left In: 130.044+/-0.803 χ^2 /NDF:432.0/5

-148.653+/-0.632 χ^2 /NDF: 1497.3/24

-16.446+/-0.467 χ^2 /NDF: 99329.8/50

141.415+/-0.691 χ^2 /NDF: 1941.2/25

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.072 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.383 ± 0.036 χ^2/NDF : 125.7/7

Right Out: 0.450 ± 0.071 χ^2/NDF : 751.4/19

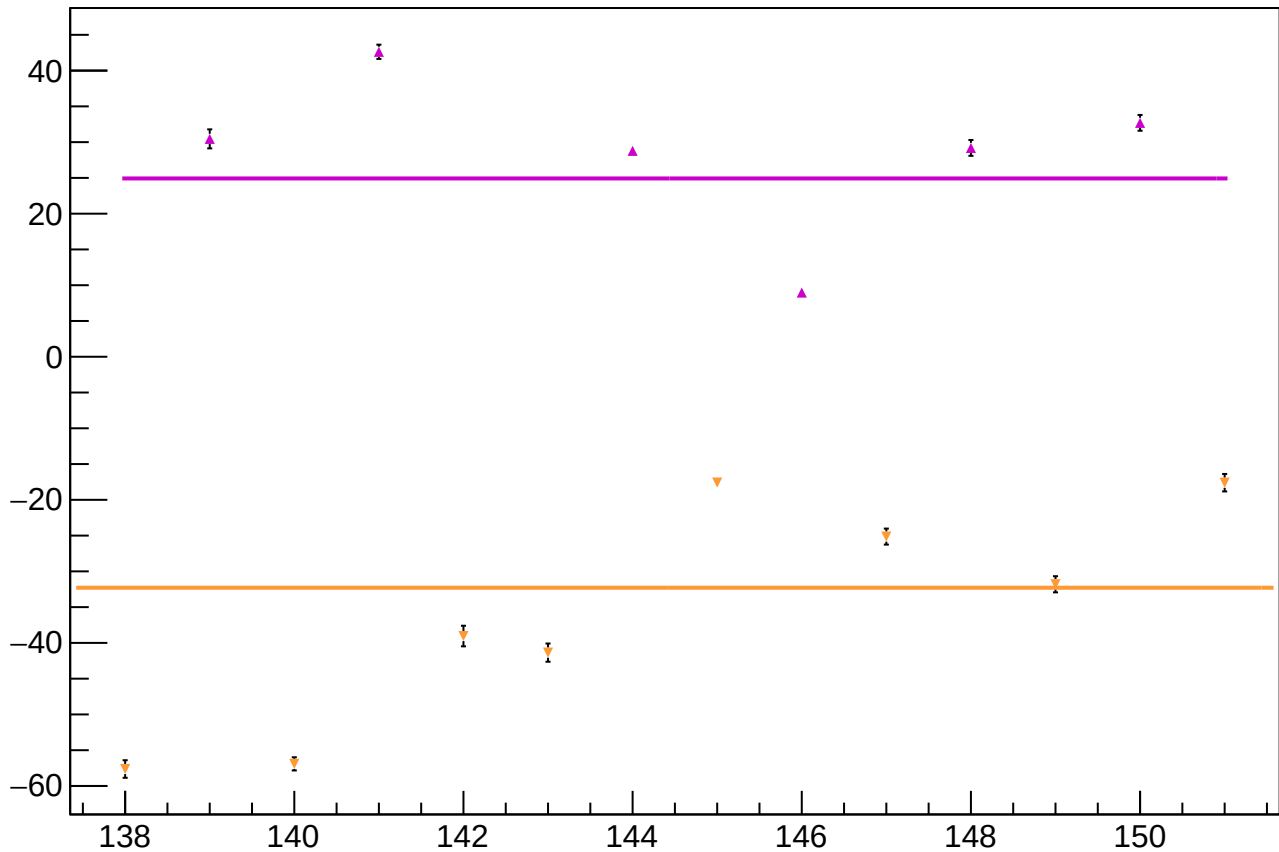
Left In: -1.441 ± 0.040 χ^2/NDF : 30.1/5

1.087 ± 0.032 χ^2/NDF : 946.0/24

0.137 ± 0.024 χ^2/NDF : 4202.8/50

-0.991 ± 0.035 χ^2/NDF : 1318.4/25

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -32.289+/-0.358 χ^2/NDF :1962.5/7

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

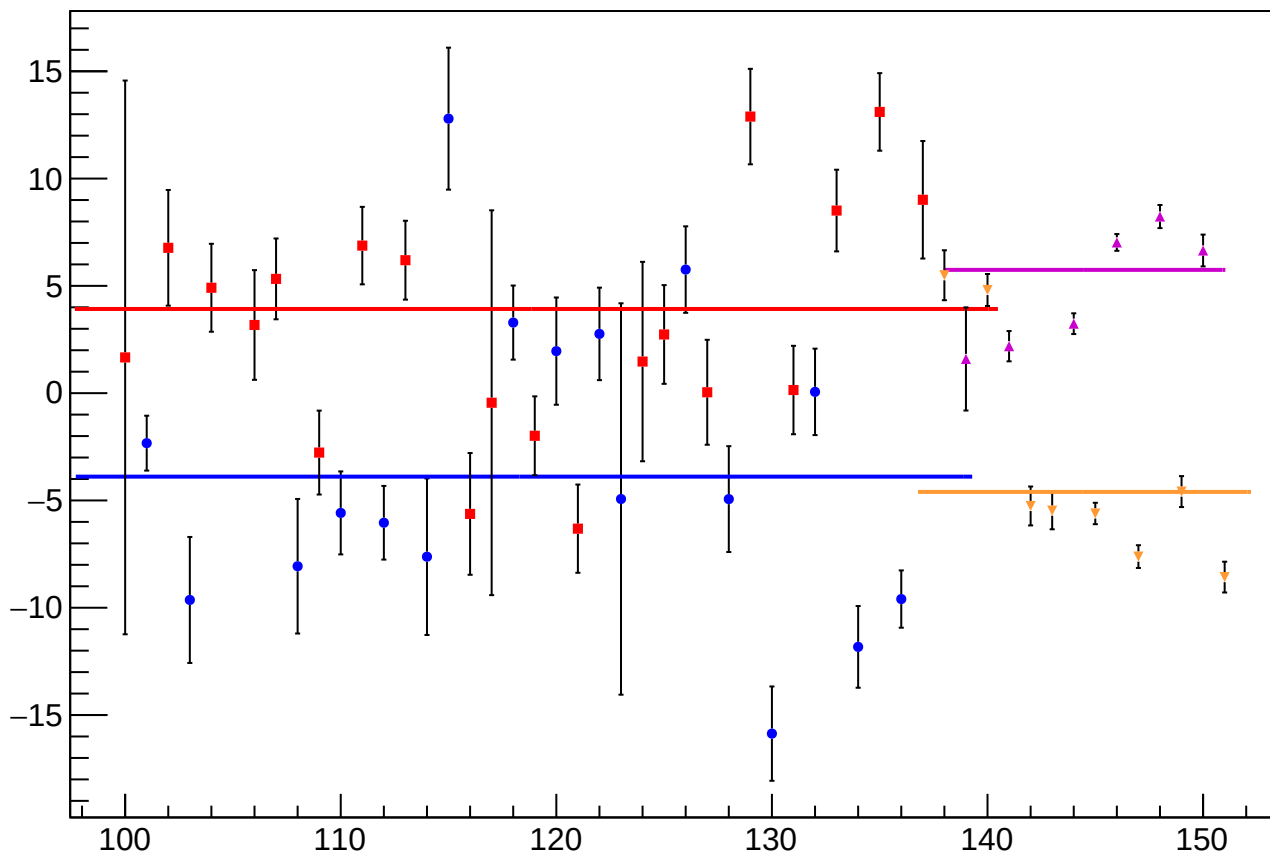
Left In: 24.924+/-0.357 χ^2/NDF :1052.4/5

-32.289+/-0.358 χ^2/NDF : 1962.5/7

-3.657+/-0.253 χ^2/NDF : 15809.7/13

24.924+/-0.357 χ^2/NDF : 1052.4/5

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.890 ± 0.498 χ^2/NDF : 160.5/16

Left Out: -4.602 ± 0.246 χ^2/NDF : 303.1/7

Right Out: 3.923 ± 0.506 χ^2/NDF : 122.4/19

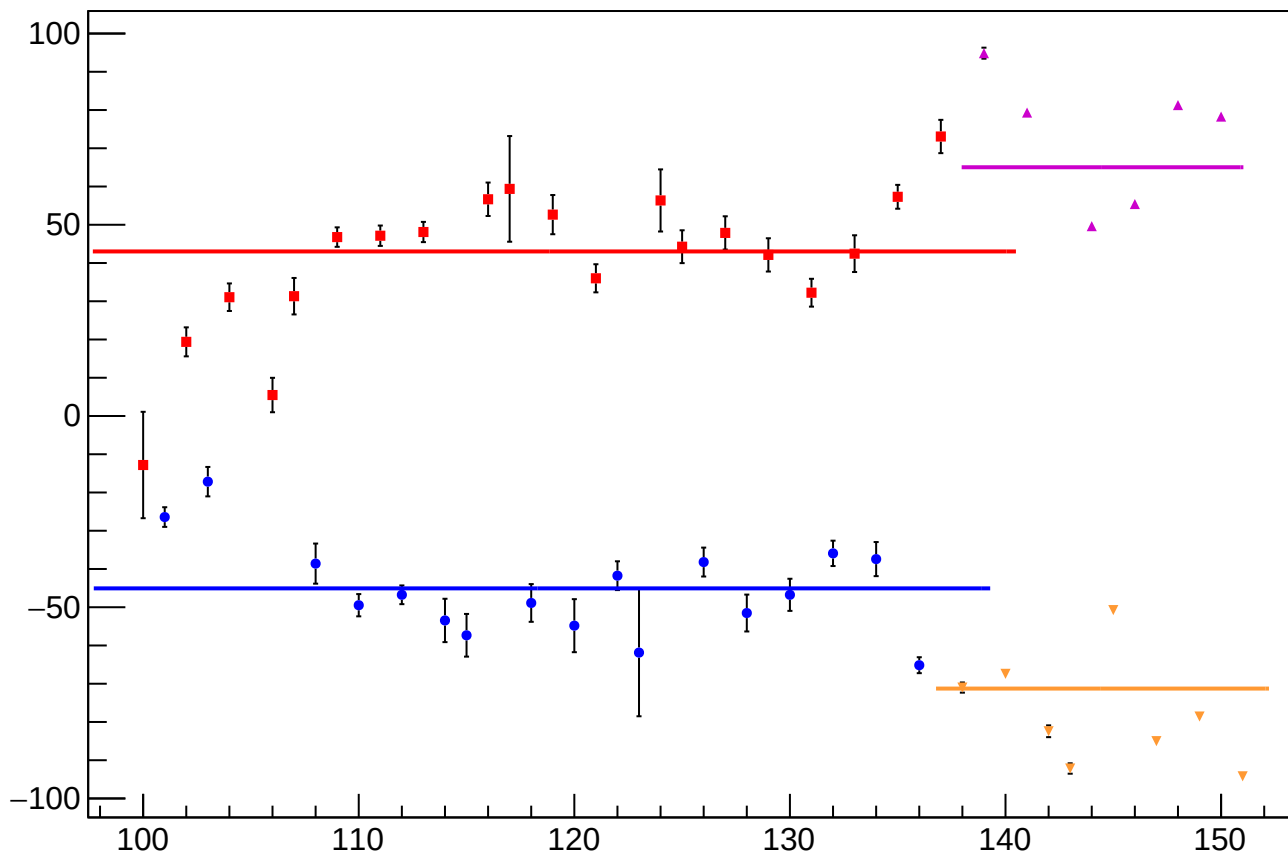
Left In: 5.745 ± 0.234 χ^2/NDF : 88.8/5

-4.462 ± 0.221 χ^2/NDF : 465.2/24

0.671 ± 0.153 χ^2/NDF : 1729.4/50

5.424 ± 0.212 χ^2/NDF : 221.8/25

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -45.070 ± 0.883 χ^2/NDF : 229.7/16

Left Out: -71.266 ± 0.367 χ^2/NDF : 1889.4/7

Right Out: 43.025 ± 0.876 χ^2/NDF : 249.7/19

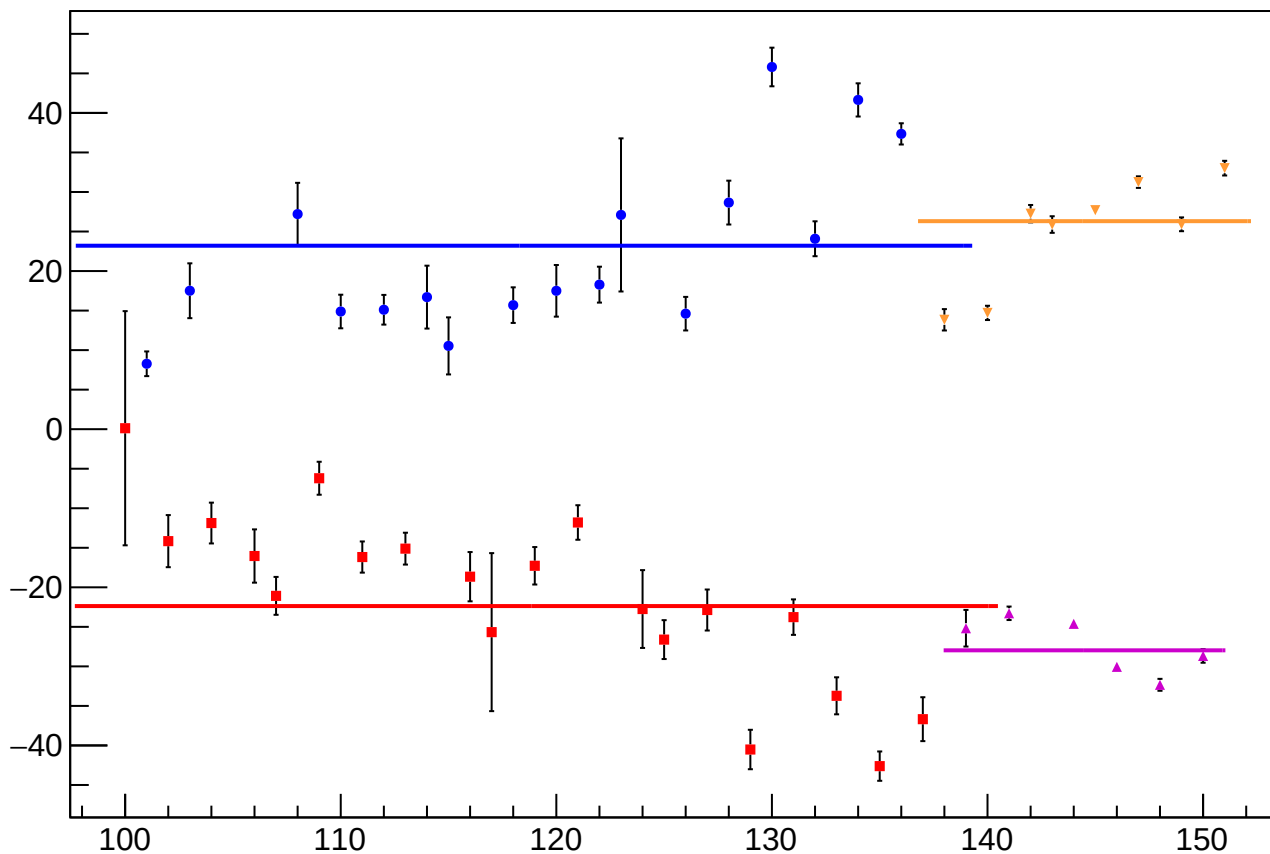
Left In: 65.037 ± 0.359 χ^2/NDF : 1713.7/5

-67.413 ± 0.339 χ^2/NDF : 2869.2/24

-1.419 ± 0.237 χ^2/NDF : 79709.1/50

61.880 ± 0.332 χ^2/NDF : 2504.2/25

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.205+/-0.559 χ^2/NDF : 457.3/16

Left Out: 25.602+/-0.267 χ^2/NDF : 836.1/24

Right Out: -22.372+/-0.572 χ^2/NDF : 367.0/19

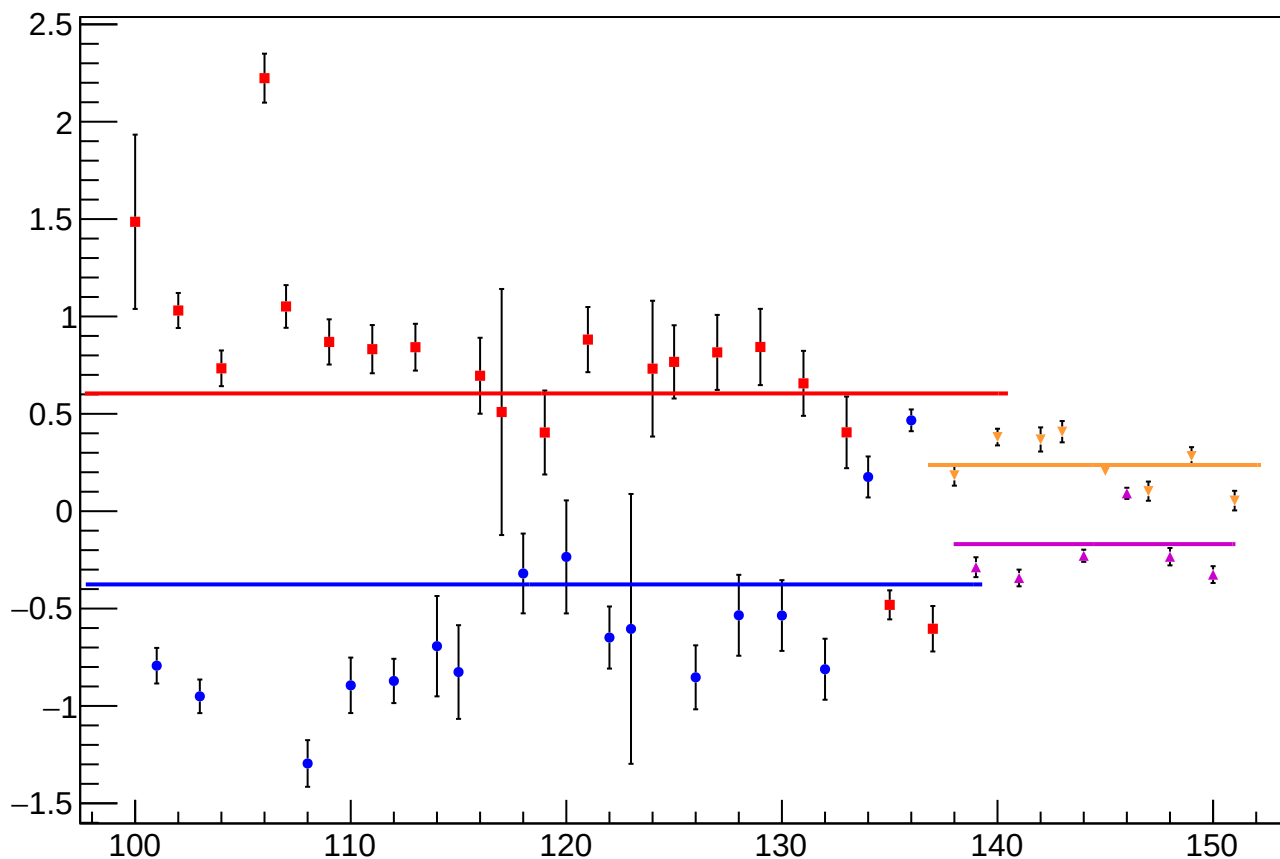
Left In: -27.970+/-0.291 χ^2/NDF : 117.7/5

25.602+/-0.267 χ^2/NDF : 836.1/24

-1.317+/-0.186 χ^2/NDF : 21243.0/50

-26.816+/-0.260 χ^2/NDF : 560.8/25

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: 0.237 ± 0.015 $\chi^2/\text{NDF}: 49.4/7$

Right Out: 0.605 ± 0.030 $\chi^2/\text{NDF}: 551.2/19$

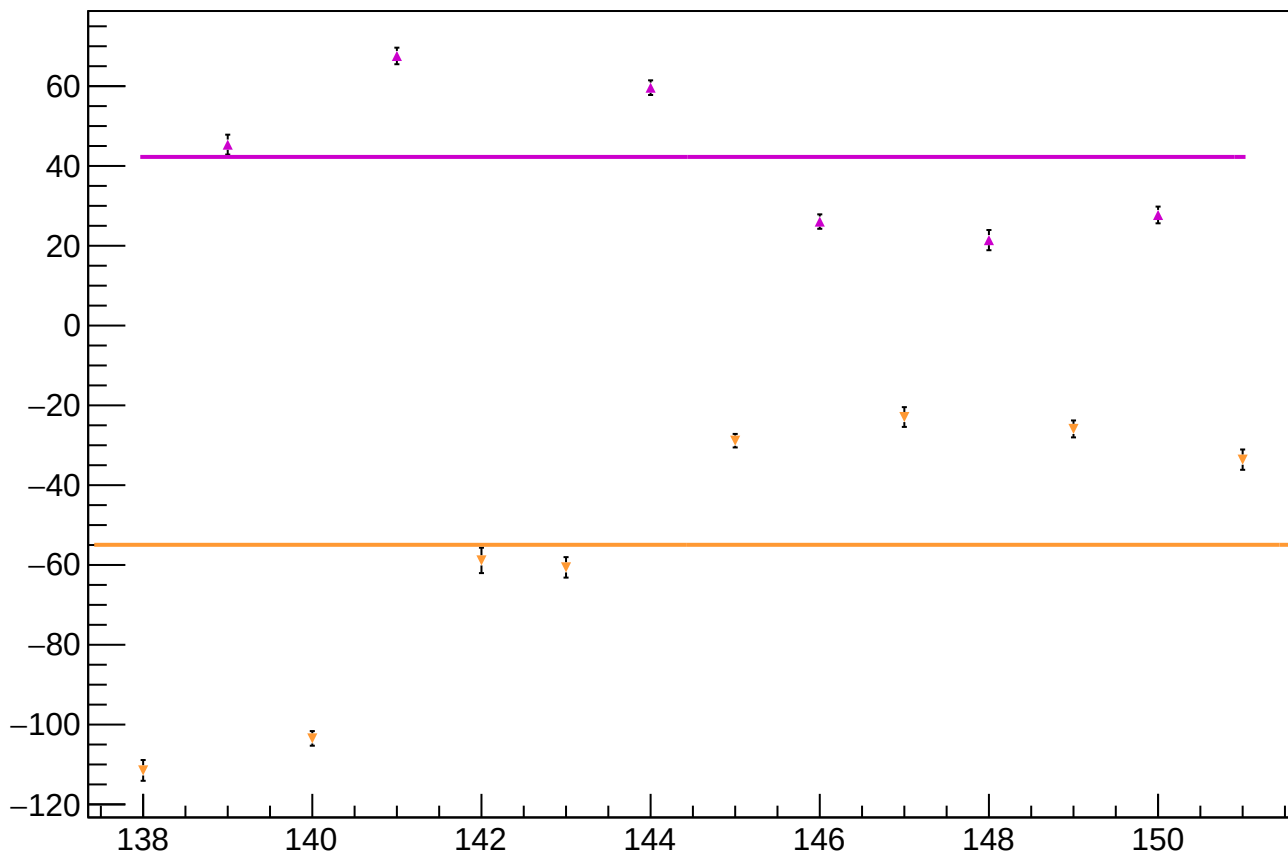
Left In: -0.169 ± 0.015 $\chi^2/\text{NDF}: 123.4/5$

0.112 ± 0.014 $\chi^2/\text{NDF}: 816.5/24$

0.052 ± 0.010 $\chi^2/\text{NDF}: 2050.8/50$

-0.009 ± 0.014 $\chi^2/\text{NDF}: 1195.3/25$

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -54.946+/-0.795 χ^2/NDF :1839.8/7

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

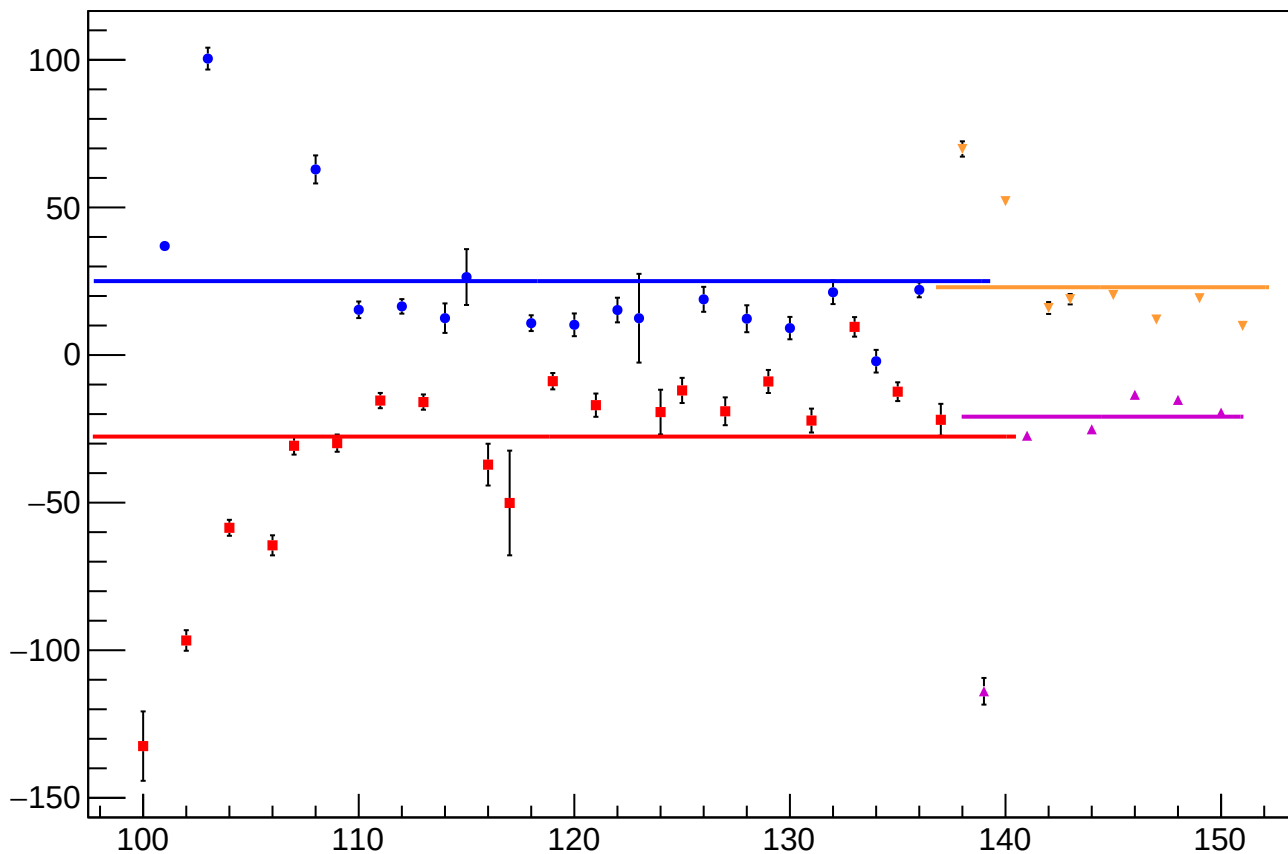
Left In: 42.265+/-0.852 χ^2/NDF :435.6/5

-54.946+/-0.795 χ^2/NDF : 1839.8/7

-9.698+/-0.581 χ^2/NDF : 9236.9/13

42.265+/-0.852 χ^2/NDF : 435.6/5

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 25.045 ± 0.806 χ^2/NDF : 686.4/16

Left Out: 22.974 ± 0.545 χ^2/NDF : 893.4/7

Right Out: -27.620 ± 0.809 χ^2/NDF : 1014.4/19

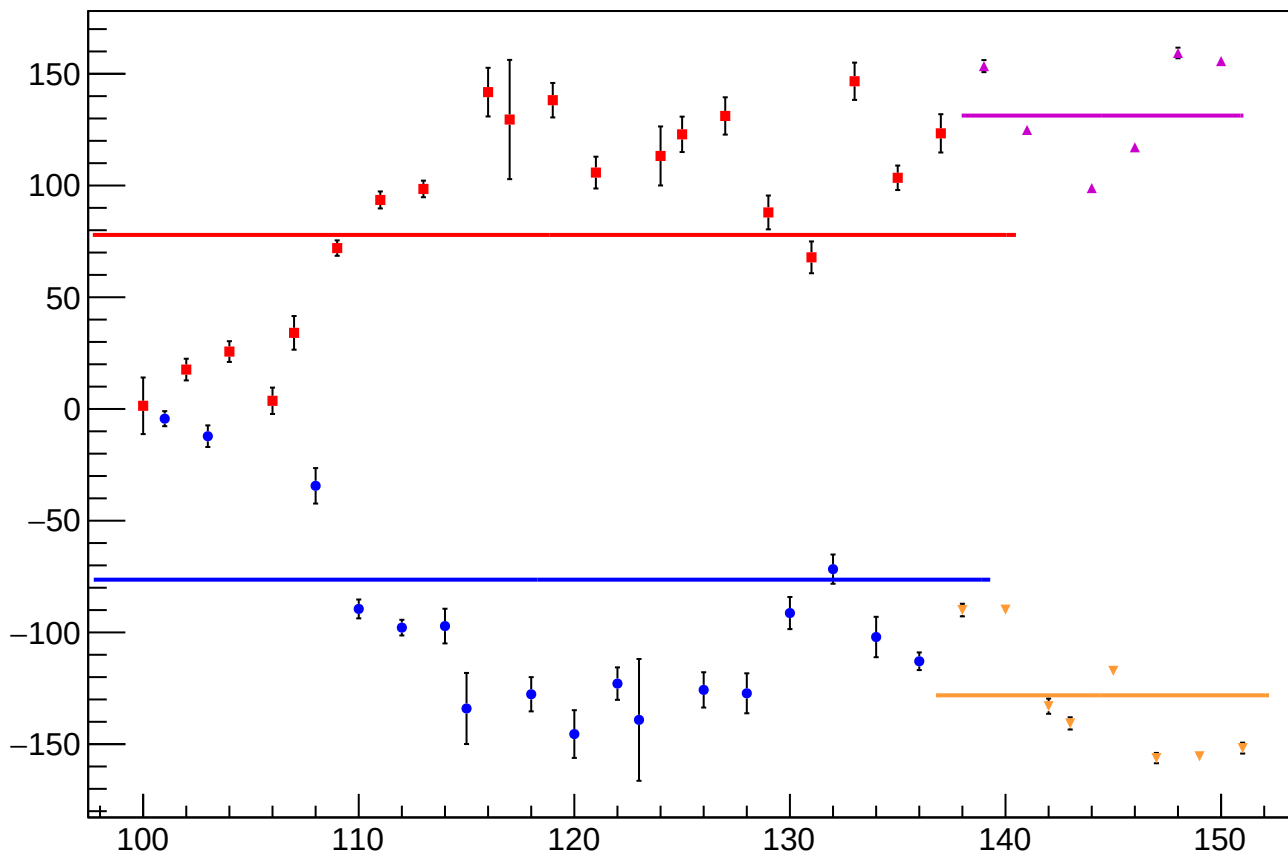
Left In: -20.879 ± 0.579 χ^2/NDF : 517.1/5

23.624 ± 0.452 χ^2/NDF : 1584.4/24

1.194 ± 0.326 χ^2/NDF : 8302.9/50

-23.161 ± 0.471 χ^2/NDF : 1577.4/25

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.392 ± 1.416 $\chi^2/\text{NDF}: 1031.9/16$

Left Out: -128.142 ± 0.809 $\chi^2/\text{NDF}: 1059.3/7$

Right Out: 77.894 ± 1.351 $\chi^2/\text{NDF}: 876.4/19$

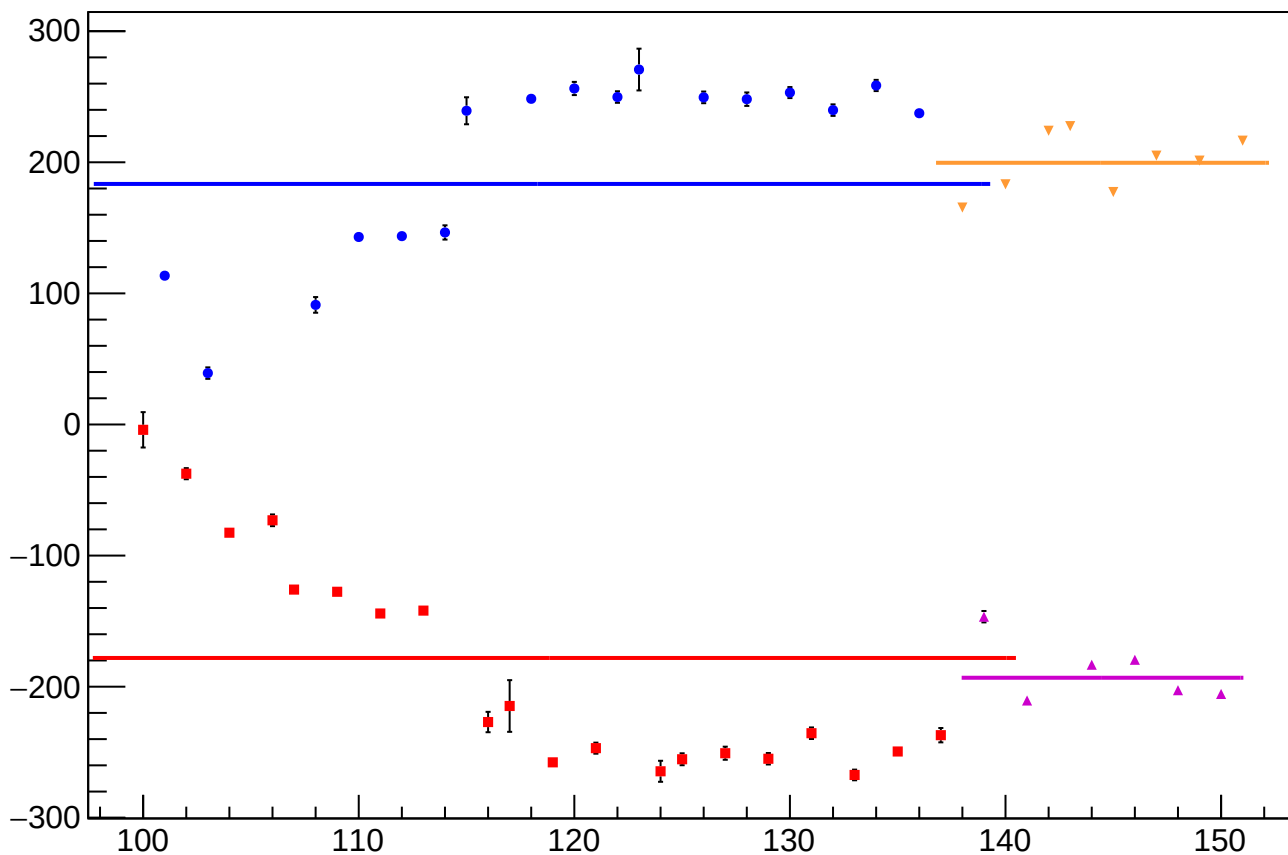
Left In: 131.299 ± 0.855 $\chi^2/\text{NDF}: 708.1/5$

-115.412 ± 0.702 $\chi^2/\text{NDF}: 3098.0/24$

-2.909 ± 0.504 $\chi^2/\text{NDF}: 58573.3/50$

116.037 ± 0.722 $\chi^2/\text{NDF}: 2700.5/25$

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 183.478 $\pm$ 0.919 χ^2 /NDF: 5331.4/16

Left Out: 199.616 $\pm$ 0.672 χ^2 /NDF: 769.9/7

Right Out: -178.092 $\pm$ 0.923 χ^2 /NDF: 6349.2/19

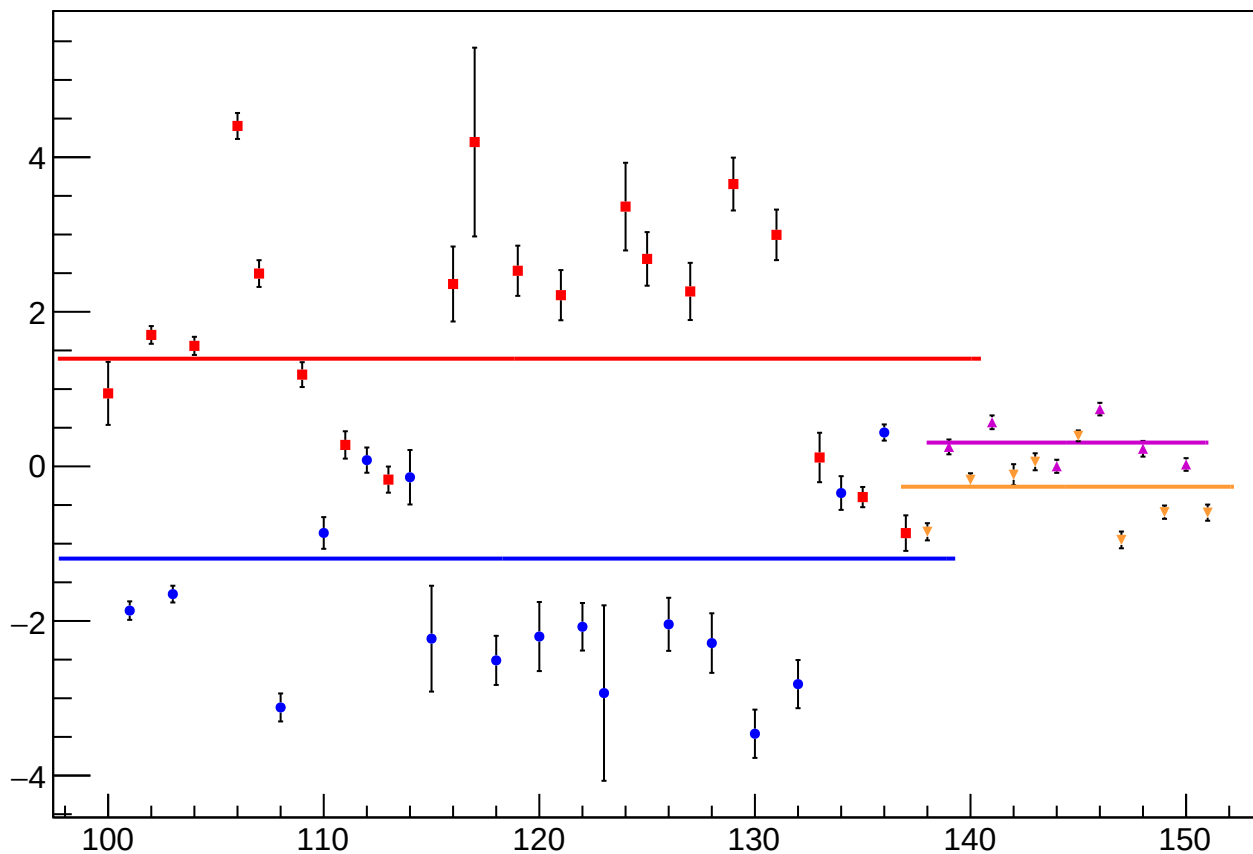
Left In: -193.182 $\pm$ 0.712 χ^2 /NDF: 429.1/5

193.987 $\pm$ 0.543 χ^2 /NDF: 6302.2/24

10.436 $\pm$ 0.391 χ^2 /NDF: 251159.8/50

-187.557 $\pm$ 0.563 χ^2 /NDF: 6946.0/25

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.263 ± 0.034 χ^2/NDF : 191.3/7

Right Out: 1.393 ± 0.046 χ^2/NDF : 925.8/19

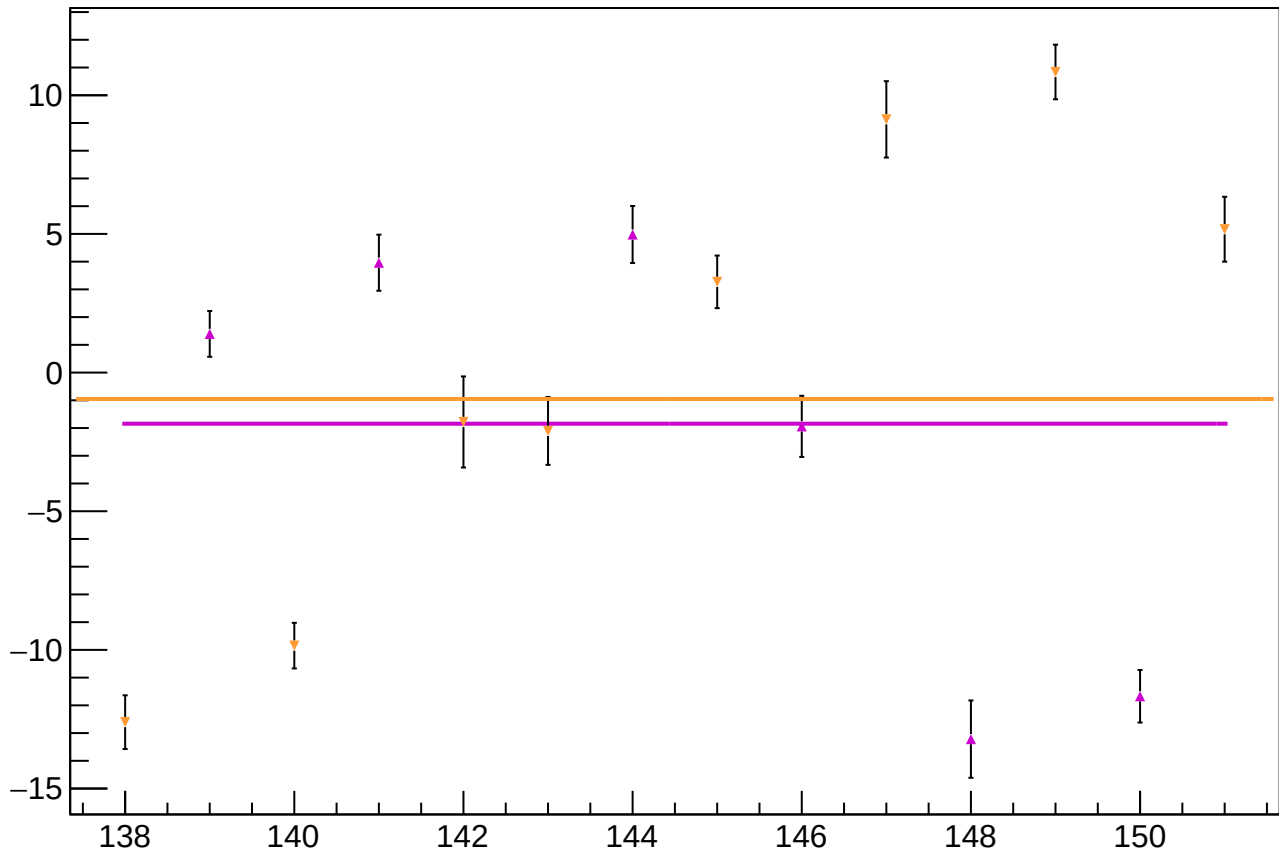
Left In: 0.308 ± 0.036 χ^2/NDF : 62.9/5

-0.571 ± 0.028 χ^2/NDF : 1062.1/24

0.062 ± 0.020 χ^2/NDF : 3464.3/50

0.723 ± 0.028 χ^2/NDF : 1335.7/25

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.952 $\pm$ 0.378 χ^2 /NDF: 507.4/7

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

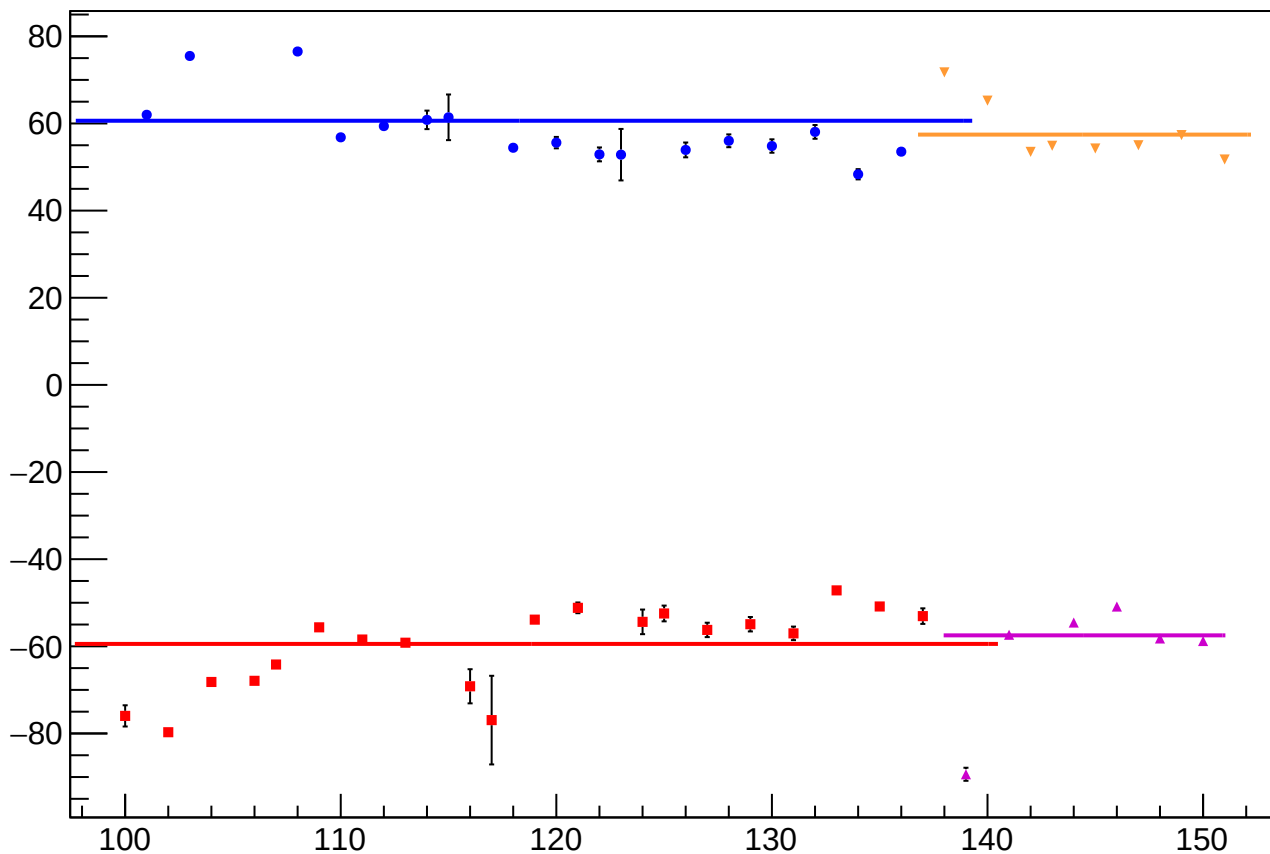
Left In: -1.844 $\pm$ 0.414 χ^2 /NDF: 266.5/5

-0.952 $\pm$ 0.378 χ^2 /NDF: 507.4/7

-1.358 $\pm$ 0.279 χ^2 /NDF: 776.4/13

-1.844 $\pm$ 0.414 χ^2 /NDF: 266.5/5

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 60.625 $\pm$ 0.263 χ^2 /NDF: 924.6/16

Left Out: 57.446 $\pm$ 0.270 χ^2 /NDF: 436.9/7

Right Out: -59.448 $\pm$ 0.248 χ^2 /NDF: 1326.3/19

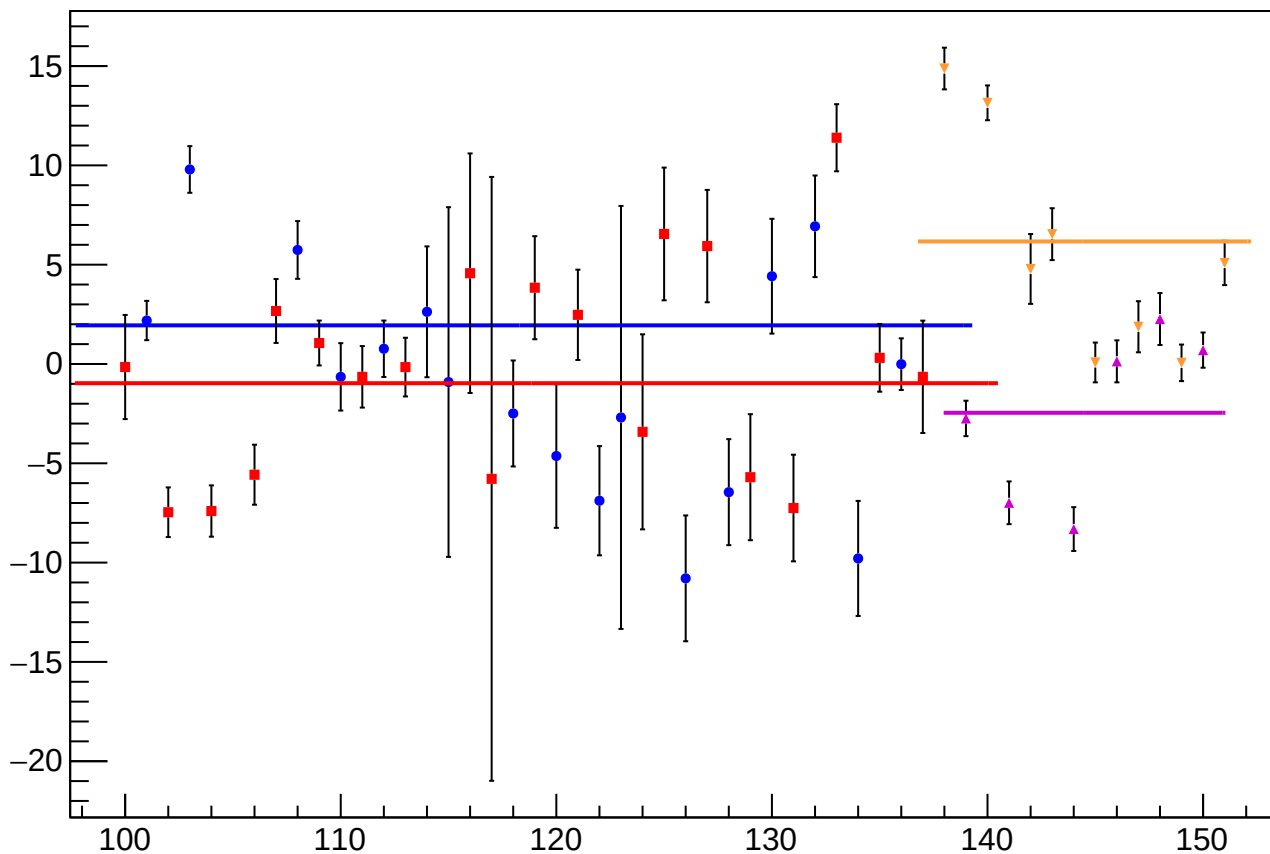
Left In: -57.483 $\pm$ 0.306 χ^2 /NDF: 561.1/5

59.077 $\pm$ 0.188 χ^2 /NDF: 1432.6/24

1.503 $\pm$ 0.135 χ^2 /NDF: 194292.6/50

-58.671 $\pm$ 0.193 χ^2 /NDF: 1912.2/25

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.945 ± 0.459 χ^2/NDF : 120.6/16

Left Out: 6.169 ± 0.386 χ^2/NDF : 226.0/7

Right Out: -0.968 ± 0.424 χ^2/NDF : 149.6/19

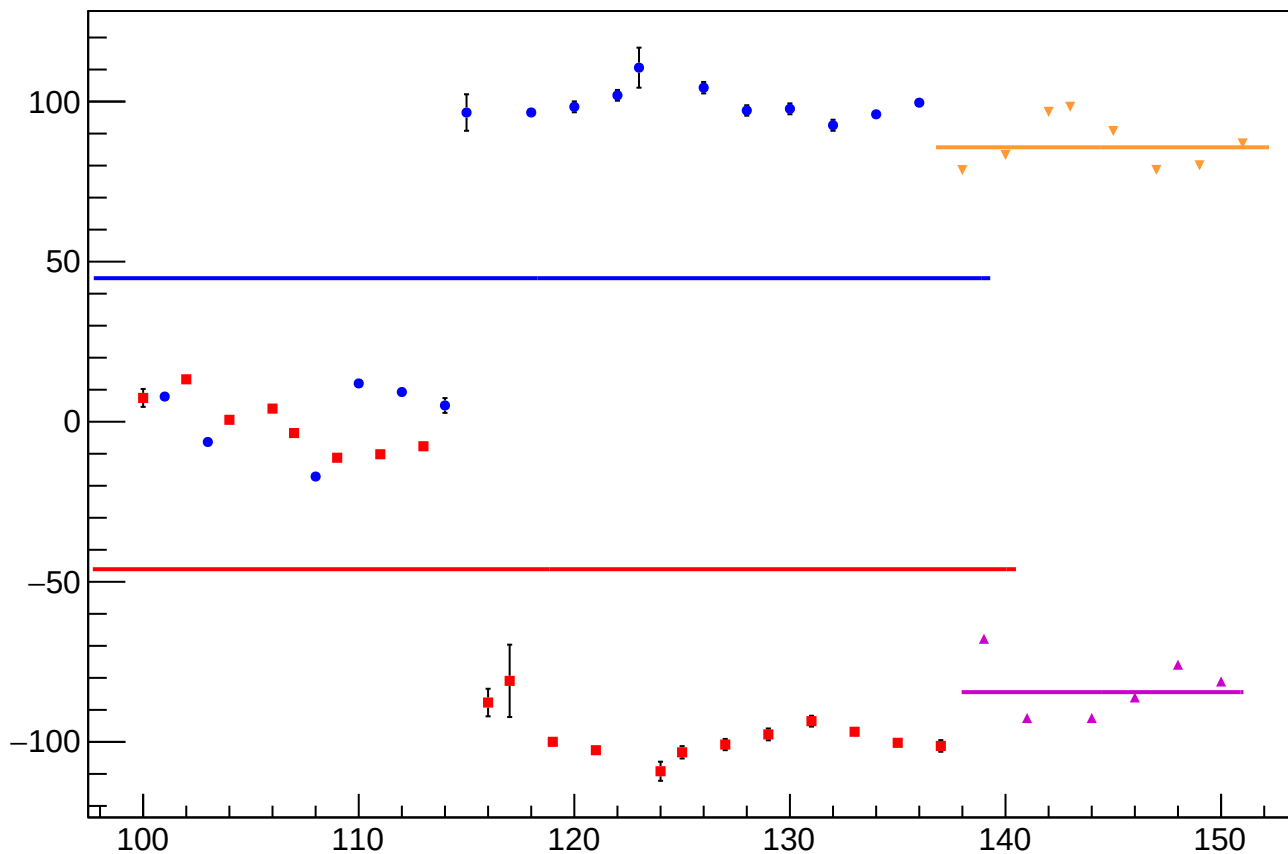
Left In: -2.457 ± 0.419 χ^2/NDF : 77.8/5

4.417 ± 0.295 χ^2/NDF : 396.2/24

1.375 ± 0.210 χ^2/NDF : 843.7/50

-1.722 ± 0.298 χ^2/NDF : 233.7/25

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 44.829 +/- 0.305 χ^2/NDF : 24763.1/16

Left Out: 85.709 +/- 0.330 χ^2/NDF : 426.0/7

Right Out: -46.062 +/- 0.289 χ^2/NDF : 28272.9/19

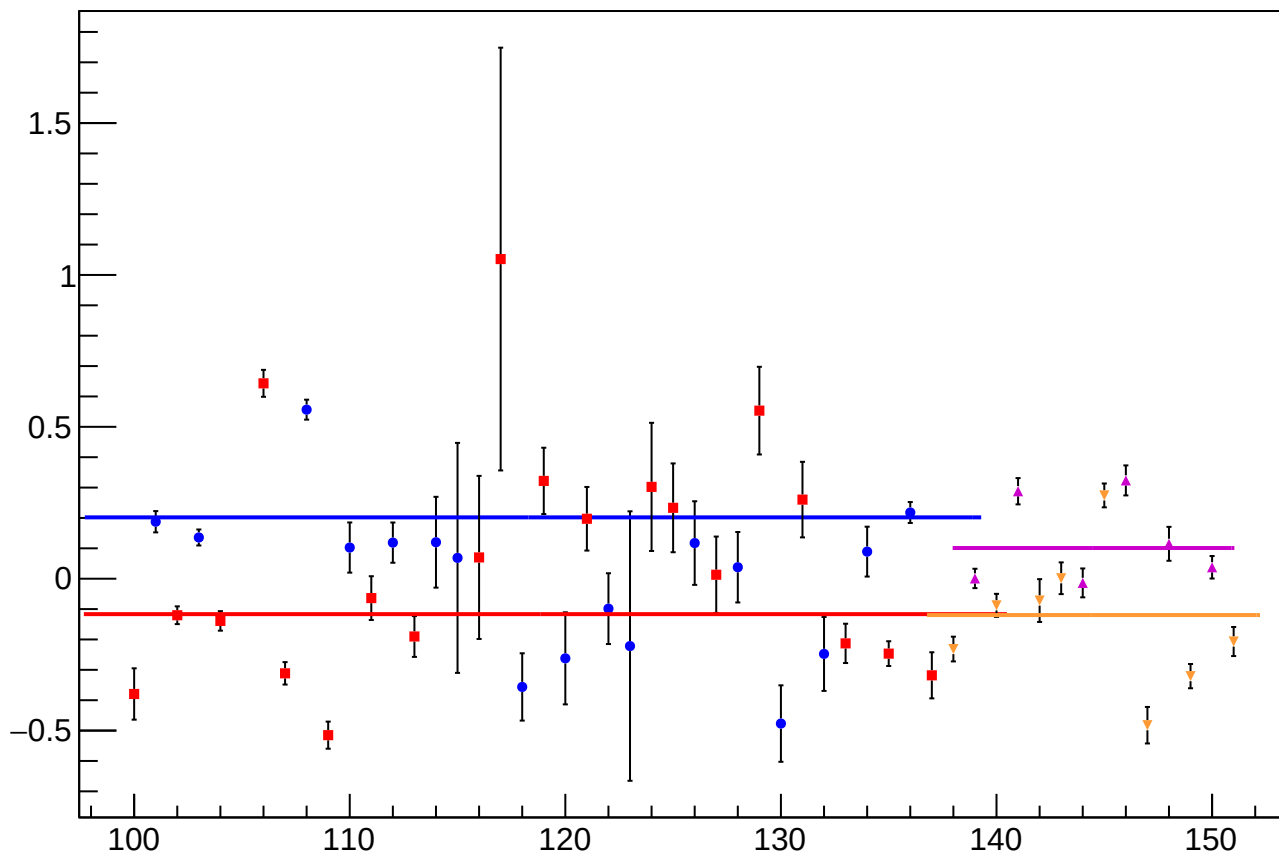
Left In: -84.458 +/- 0.370 χ^2/NDF : 408.8/5

63.655 +/- 0.224 χ^2/NDF : 33480.7/24

2.647 +/- 0.160 χ^2/NDF : 220294.5/50

-60.642 +/- 0.228 χ^2/NDF : 35366.7/25

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.202 ± 0.014 χ^2/NDF : 216.0/16

Left Out: -0.120 ± 0.016 χ^2/NDF : 179.9/7

Right Out: -0.117 ± 0.013 χ^2/NDF : 502.5/19

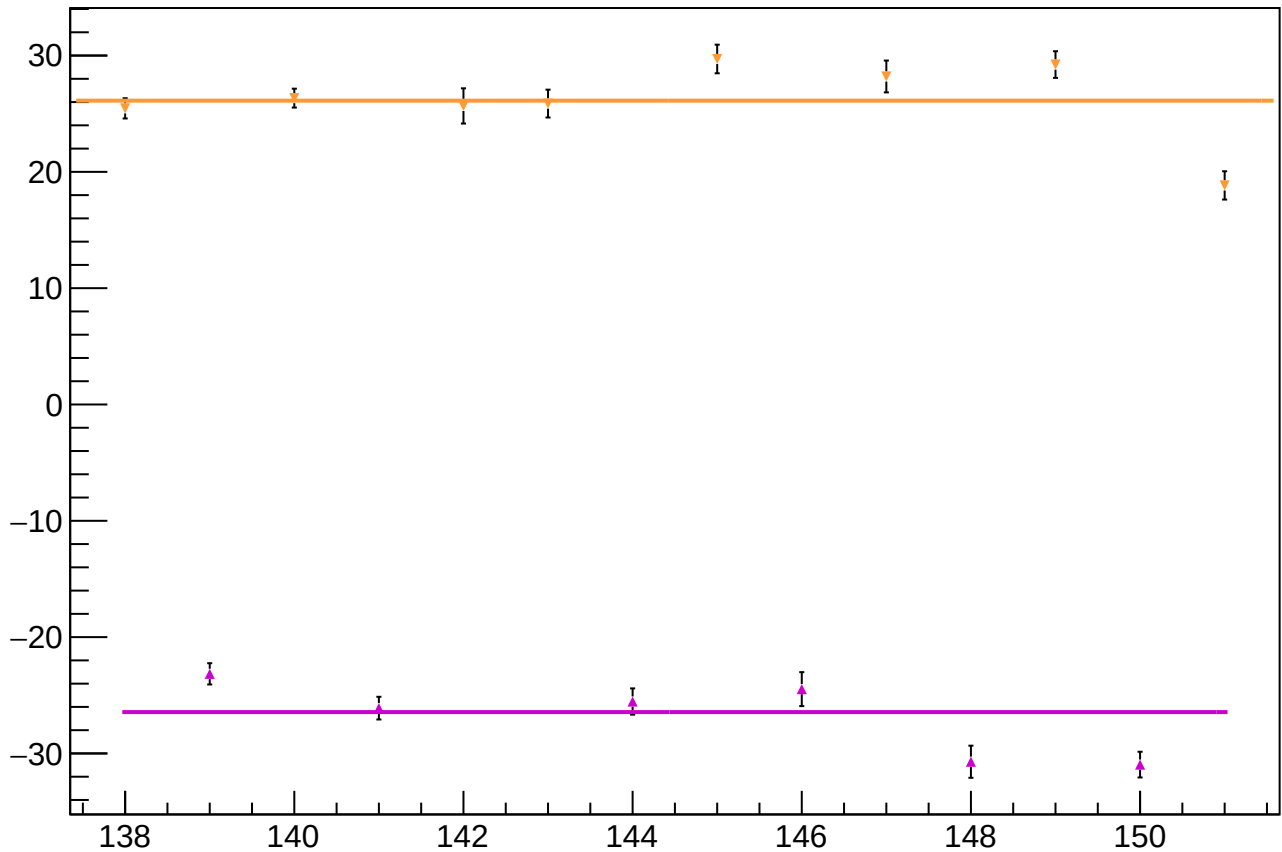
Left In: 0.101 ± 0.017 χ^2/NDF : 57.7/5

0.063 ± 0.011 χ^2/NDF : 622.4/24

0.012 ± 0.007 χ^2/NDF : 1330.3/50

-0.037 ± 0.010 χ^2/NDF : 662.7/25

reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 26.122+/-0.389 χ^2/NDF : 54.8/7

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

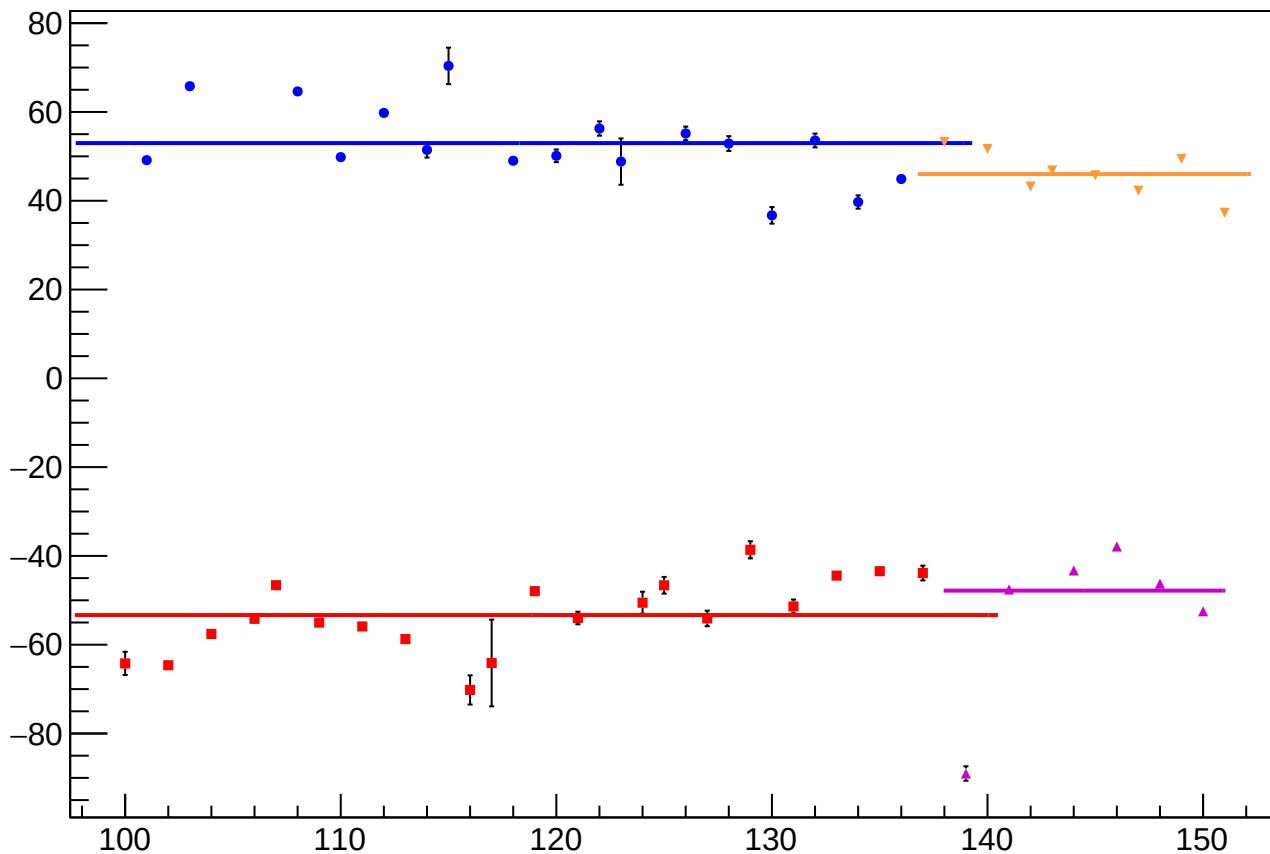
Left In: -26.445+/-0.454 χ^2/NDF : 41.8/5

26.122+/-0.389 χ^2/NDF : 54.8/7

3.862+/-0.296 χ^2/NDF : 7818.0/13

-26.445+/-0.454 χ^2/NDF : 41.8/5

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 52.989 ± 0.211 $\chi^2/\text{NDF}: 1198.0/16$

Left Out: 46.013 ± 0.277 $\chi^2/\text{NDF}: 344.0/7$

Right Out: -53.320 ± 0.227 $\chi^2/\text{NDF}: 876.8/19$

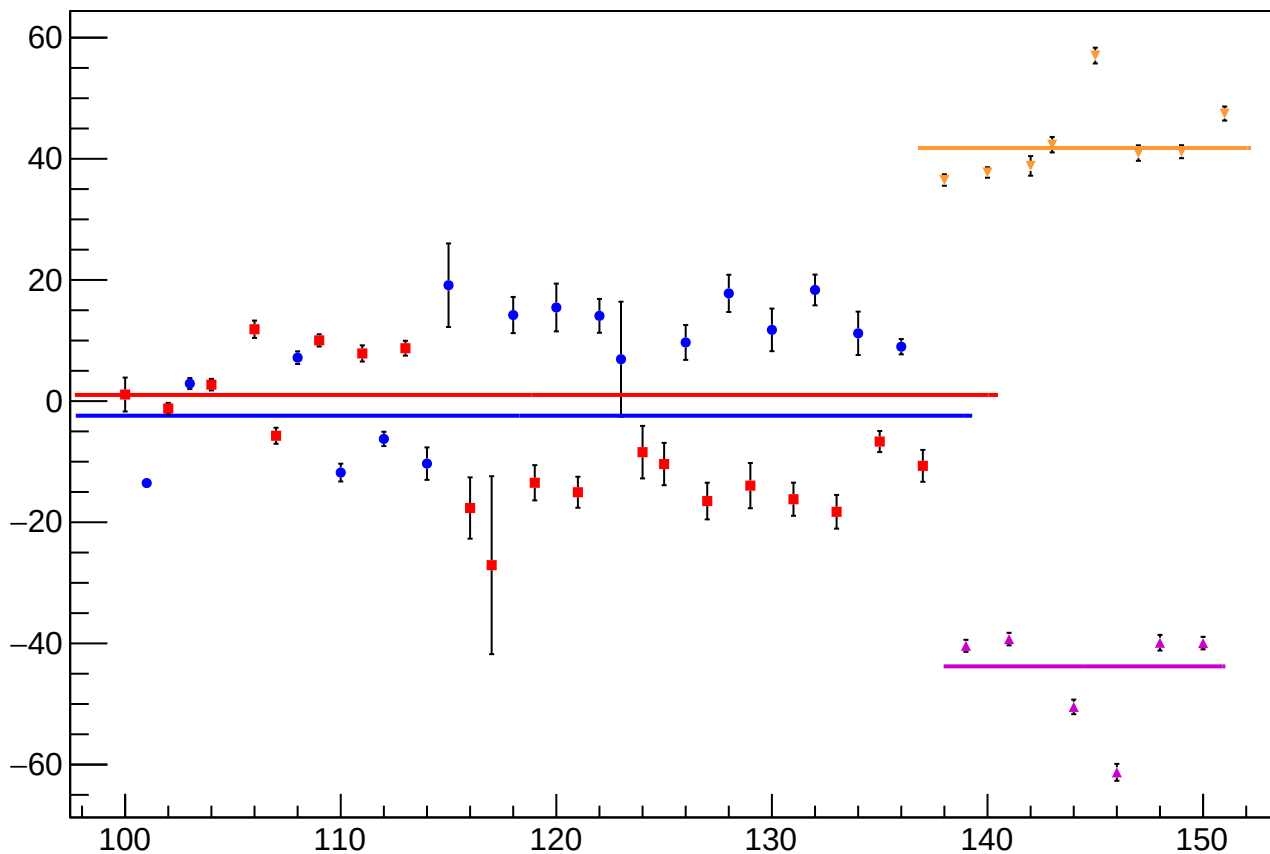
Left In: -47.816 ± 0.329 $\chi^2/\text{NDF}: 838.3/5$

50.424 ± 0.168 $\chi^2/\text{NDF}: 1944.3/24$

4.900 ± 0.125 $\chi^2/\text{NDF}: 168927.1/50$

-51.552 ± 0.187 $\chi^2/\text{NDF}: 1904.6/25$

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.409 ± 0.364 χ^2/NDF : 834.6/16

Left Out: 41.784 ± 0.400 χ^2/NDF : 217.9/7

Right Out: 1.021 ± 0.377 χ^2/NDF : 511.2/19

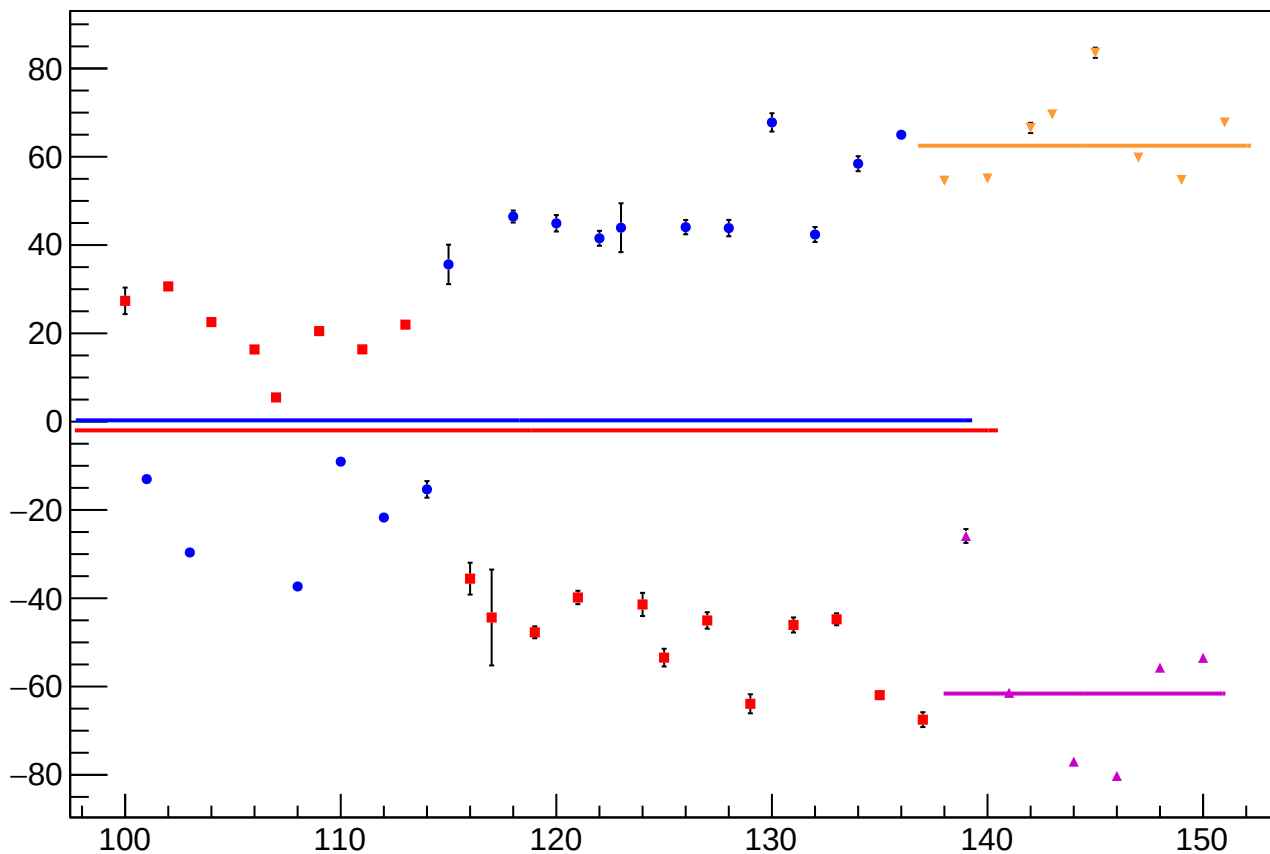
Left In: -43.790 ± 0.462 χ^2/NDF : 241.5/5

17.642 ± 0.269 χ^2/NDF : 7728.5/24

1.782 ± 0.198 χ^2/NDF : 21678.4/50

-16.880 ± 0.292 χ^2/NDF : 6398.7/25

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: 62.501 ± 0.340 $\chi^2/\text{NDF}: 656.3/7$

Right Out: -1.978 ± 0.267 $\chi^2/\text{NDF}: 15465.9/19$

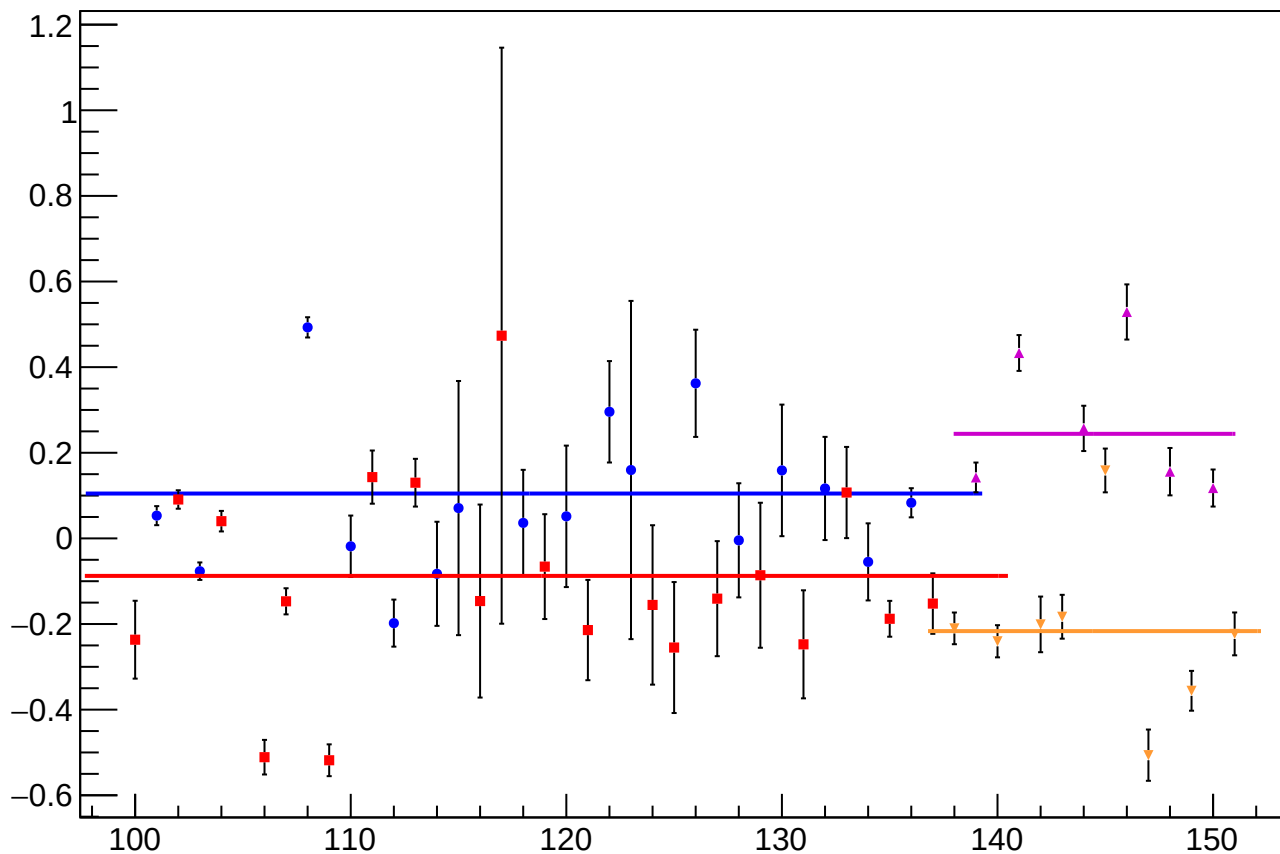
Left In: -61.592 ± 0.402 $\chi^2/\text{NDF}: 1184.2/5$

21.850 ± 0.200 $\chi^2/\text{NDF}: 40811.7/24$

3.026 ± 0.149 $\chi^2/\text{NDF}: 92523.3/50$

-20.190 ± 0.222 $\chi^2/\text{NDF}: 31931.5/25$

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 ± 0.011 $\chi^2/\text{NDF}: 400.8/16$

Left Out: -0.217 ± 0.017 $\chi^2/\text{NDF}: 87.2/7$

Right Out: -0.088 ± 0.011 $\chi^2/\text{NDF}: 391.6/19$

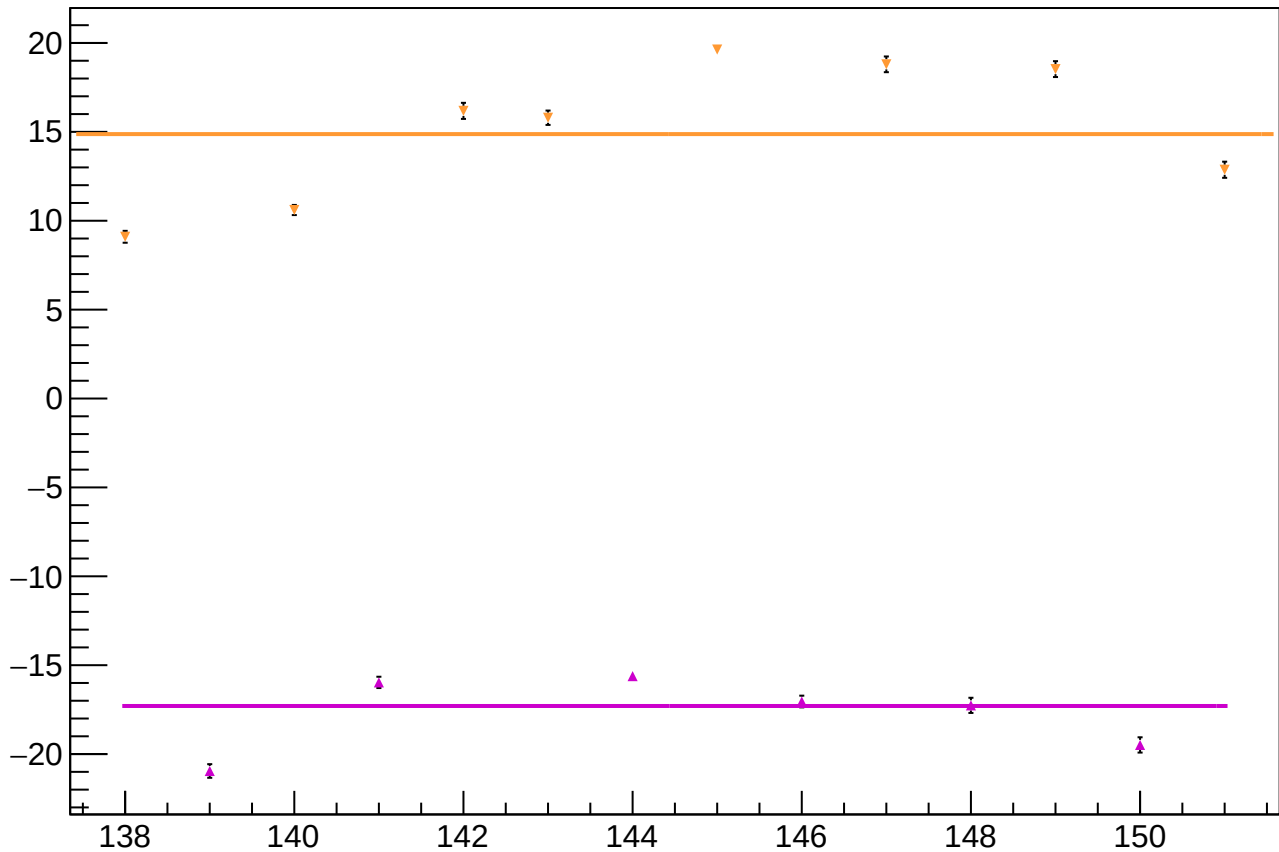
Left In: 0.244 ± 0.019 $\chi^2/\text{NDF}: 59.6/5$

0.007 ± 0.009 $\chi^2/\text{NDF}: 745.3/24$

0.003 ± 0.007 $\chi^2/\text{NDF}: 1430.8/50$

-0.002 ± 0.009 $\chi^2/\text{NDF}: 685.0/25$

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 14.874+/-0.129 χ^2/NDF :1002.0/7

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

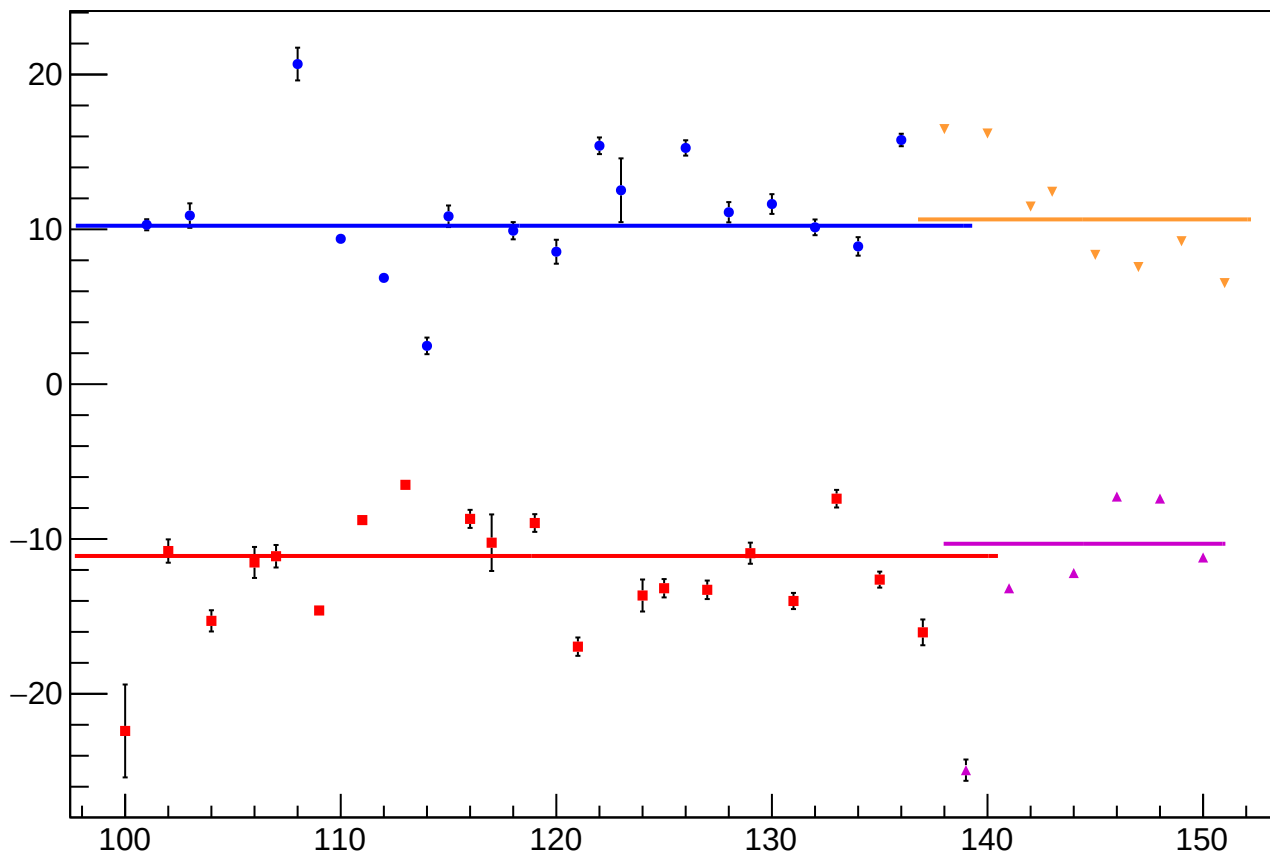
Left In: -17.295+/-0.142 χ^2/NDF :170.1/5

14.874+/-0.129 χ^2/NDF : 1002.0/7

0.436+/-0.095 χ^2/NDF : 29289.9/13

-17.295+/-0.142 χ^2/NDF : 170.1/5

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.232 ± 0.119 χ^2/NDF : 876.7/16

Left Out: 10.642 ± 0.090 χ^2/NDF : 1543.1/7

Right Out: -11.096 ± 0.116 χ^2/NDF : 818.0/19

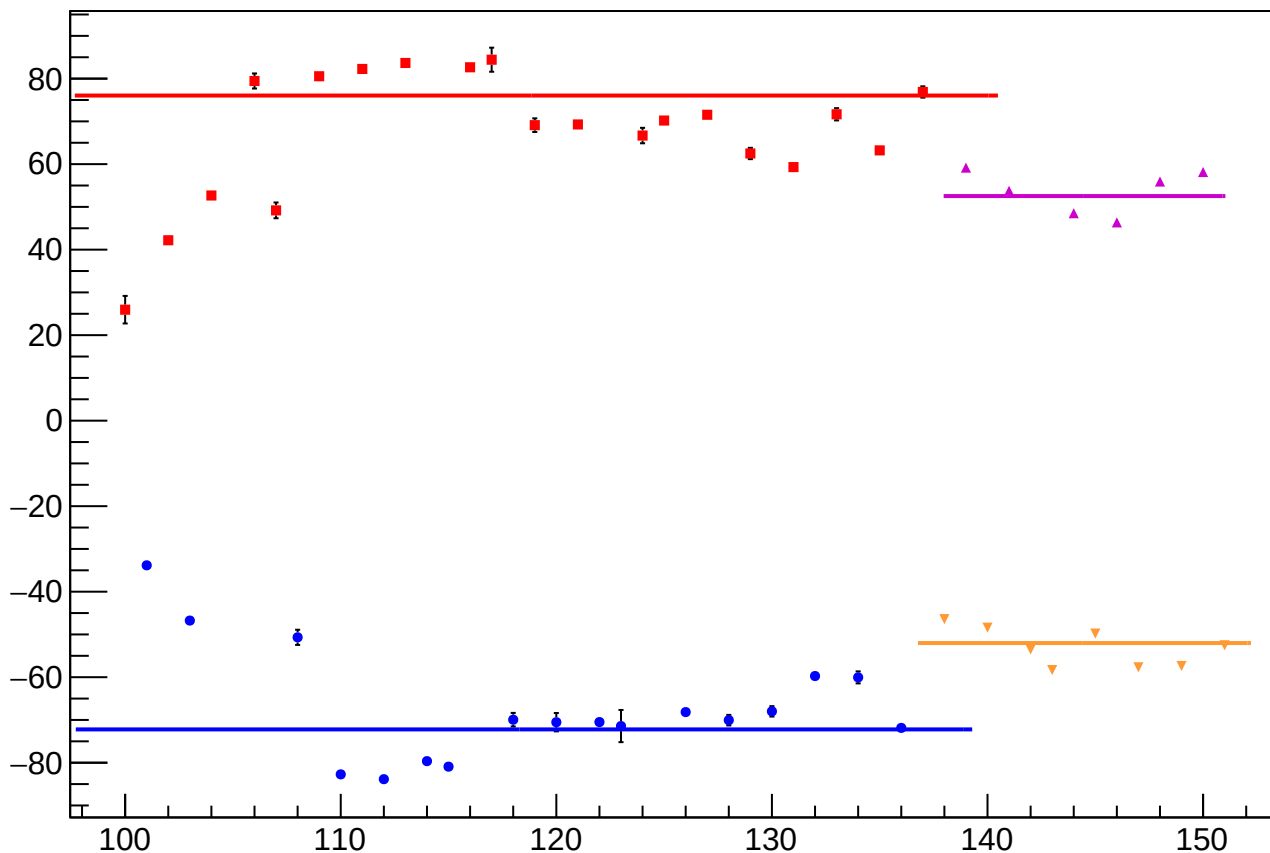
Left In: -10.308 ± 0.097 χ^2/NDF : 1145.5/5

10.494 ± 0.072 χ^2/NDF : 2427.4/24

0.295 ± 0.052 χ^2/NDF : 46201.3/50

-10.631 ± 0.074 χ^2/NDF : 1990.7/25

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.211 ± 0.198 $\chi^2/\text{NDF}: 5566.2/16$

Left Out: -52.011 ± 0.133 $\chi^2/\text{NDF}: 1015.5/7$

Right Out: 76.044 ± 0.181 $\chi^2/\text{NDF}: 3472.2/19$

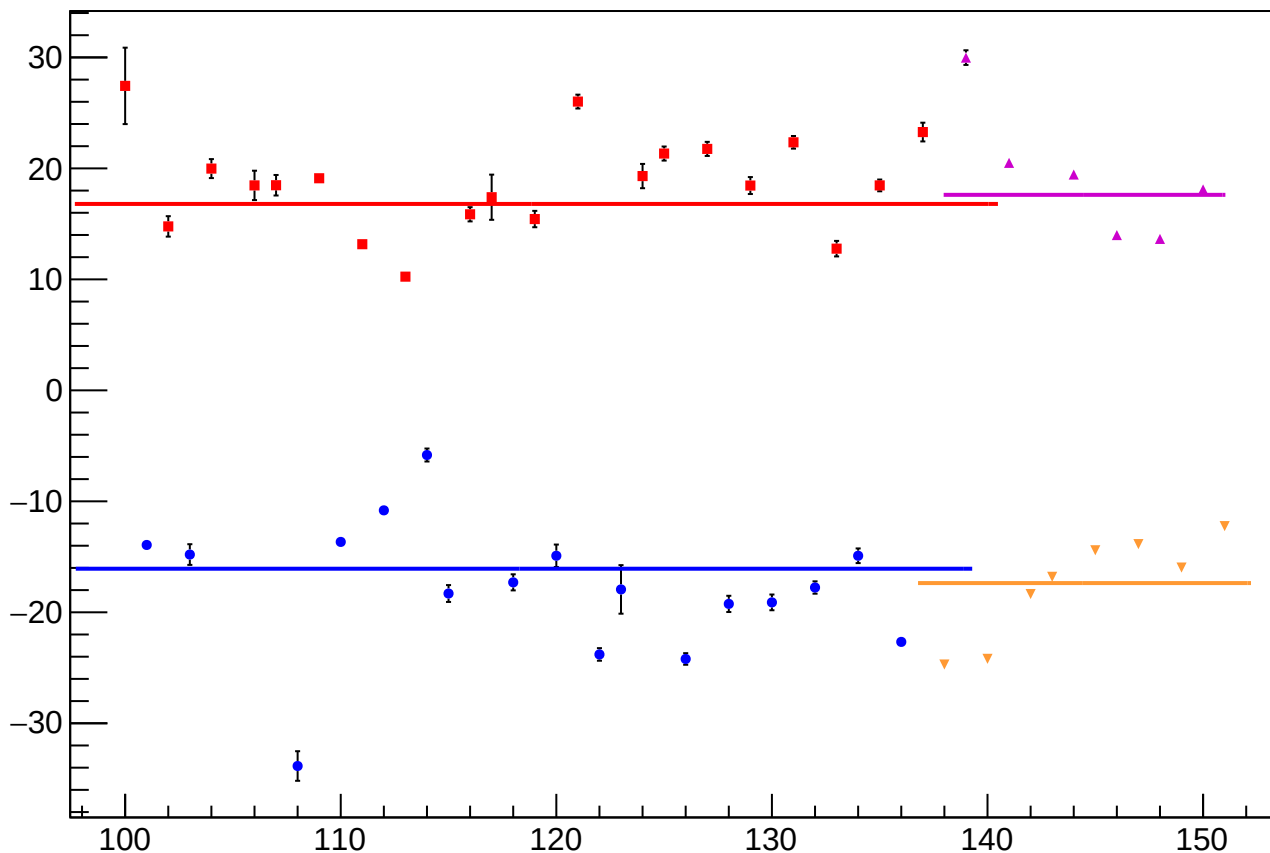
Left In: 52.533 ± 0.145 $\chi^2/\text{NDF}: 1091.2/5$

-58.281 ± 0.110 $\chi^2/\text{NDF}: 13759.7/24$

0.347 ± 0.079 $\chi^2/\text{NDF}: 606840.2/50$

61.712 ± 0.113 $\chi^2/\text{NDF}: 14892.6/25$

reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.073 ± 0.133 χ^2/NDF : 1640.5/16

Left Out: -17.366 ± 0.111 χ^2/NDF : 1516.3/7

Right Out: 16.797 ± 0.128 χ^2/NDF : 1216.1/19

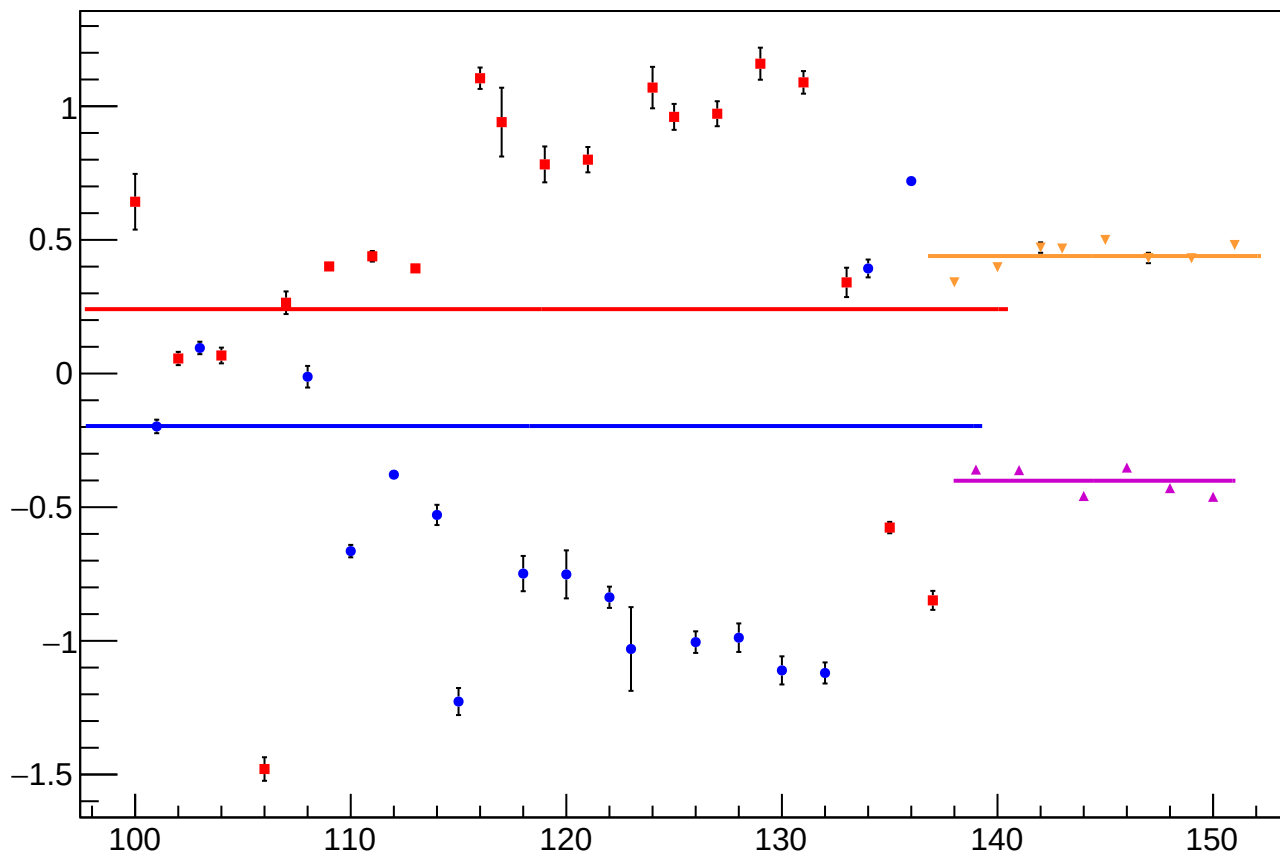
Left In: 17.617 ± 0.120 χ^2/NDF : 914.6/5

-16.835 ± 0.085 χ^2/NDF : 3213.0/24

-0.303 ± 0.061 χ^2/NDF : 83488.7/50

17.234 ± 0.087 χ^2/NDF : 2152.6/25

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.196 $\pm$ 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.439 $\pm$ 0.006 χ^2/NDF : 94.6/7

Right Out: 0.241 $\pm$ 0.007 χ^2/NDF : 6218.3/19

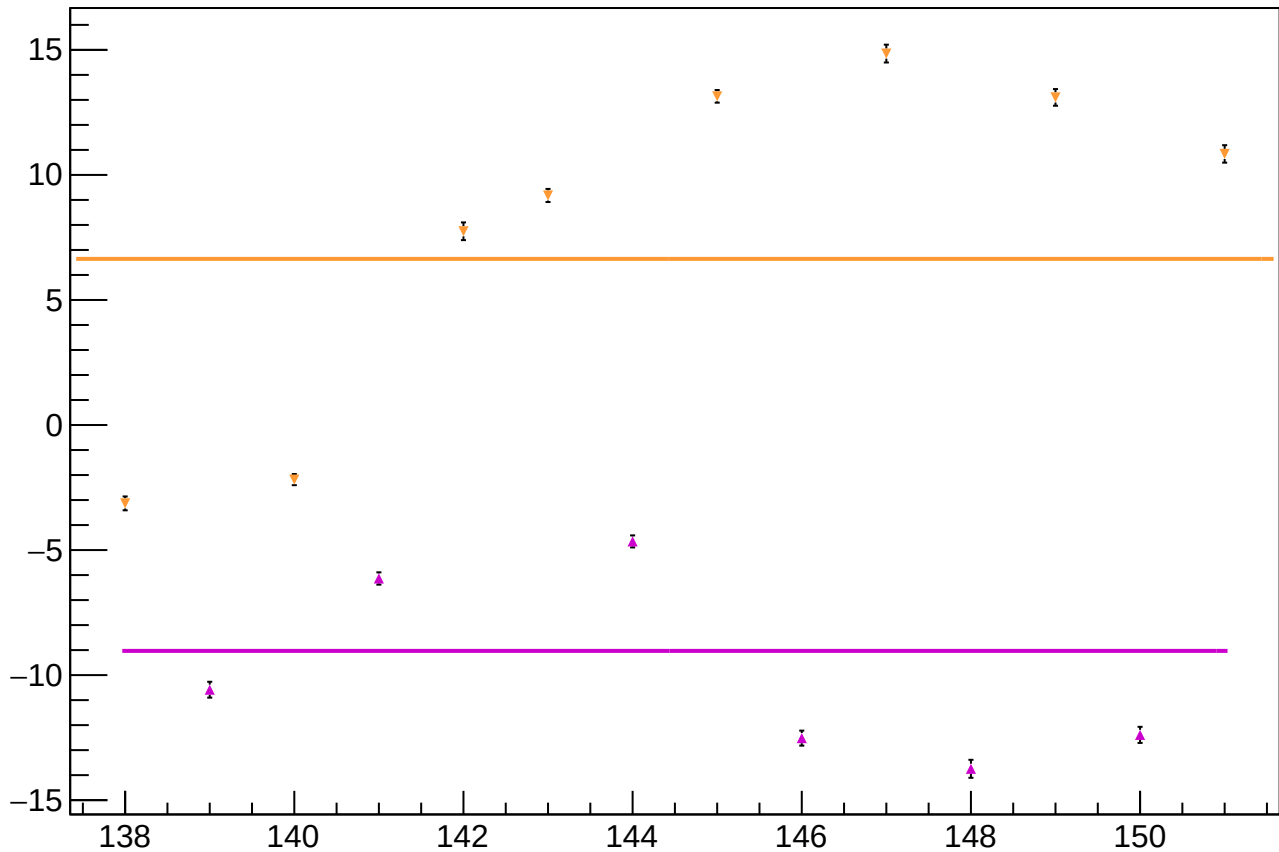
Left In: -0.401 $\pm$ 0.006 χ^2/NDF : 62.0/5

0.217 $\pm$ 0.004 χ^2/NDF : 11035.5/24

0.047 $\pm$ 0.003 χ^2/NDF : 24990.0/50

-0.134 $\pm$ 0.005 χ^2/NDF : 10966.5/25

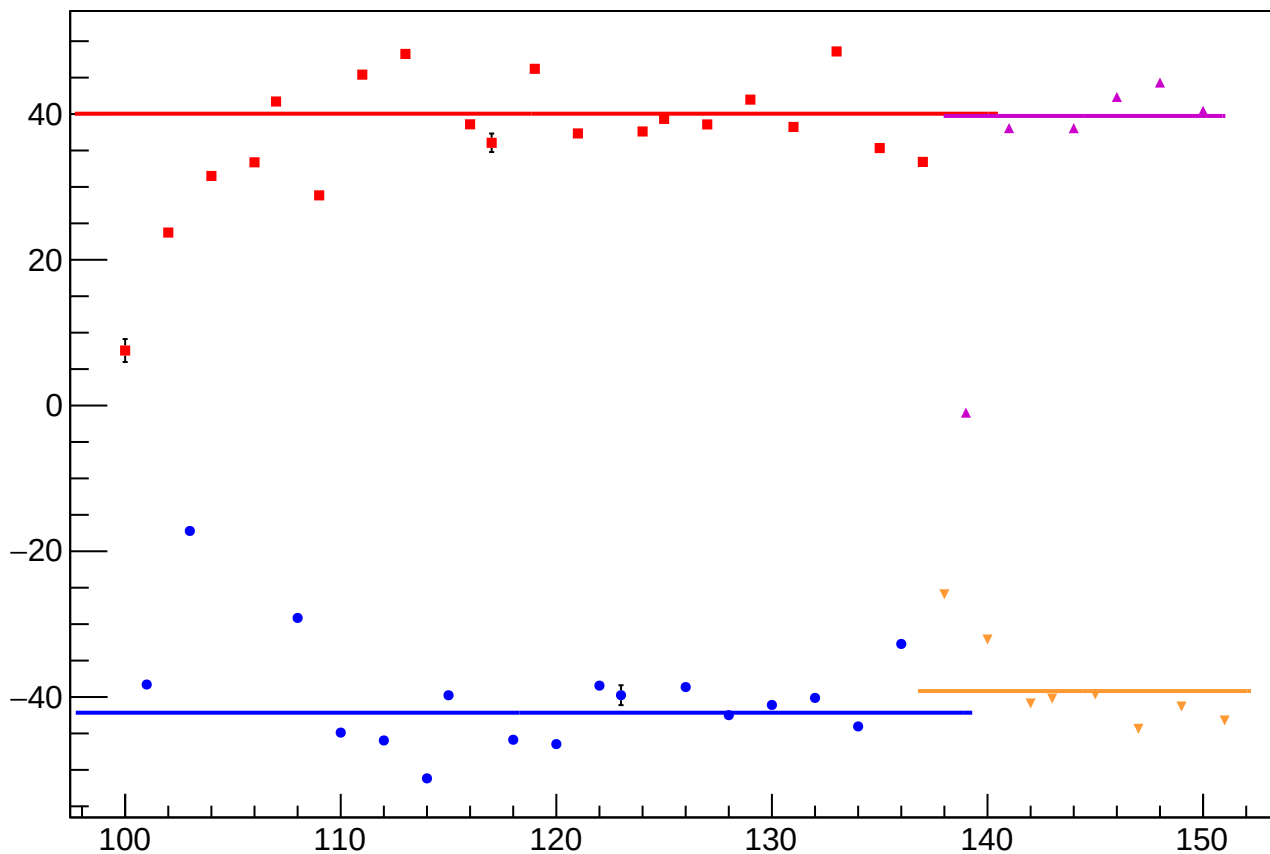
reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 6.643 $\pm$ 0.102 χ^2 /NDF:4627.2/7
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -9.032 $\pm$ 0.118 χ^2 /NDF:908.5/5

6.643 $\pm$ 0.102 χ^2 /NDF: 4627.2/7
 -0.067 $\pm$ 0.077 χ^2 /NDF: 15678.1/13
 -9.032 $\pm$ 0.118 χ^2 /NDF: 908.5/5

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.153 ± 0.078 χ^2/NDF : 6557.8/16

Left Out: -39.181 ± 0.071 χ^2/NDF : 5470.4/7

Right Out: 40.049 ± 0.073 χ^2/NDF : 11332.1/19

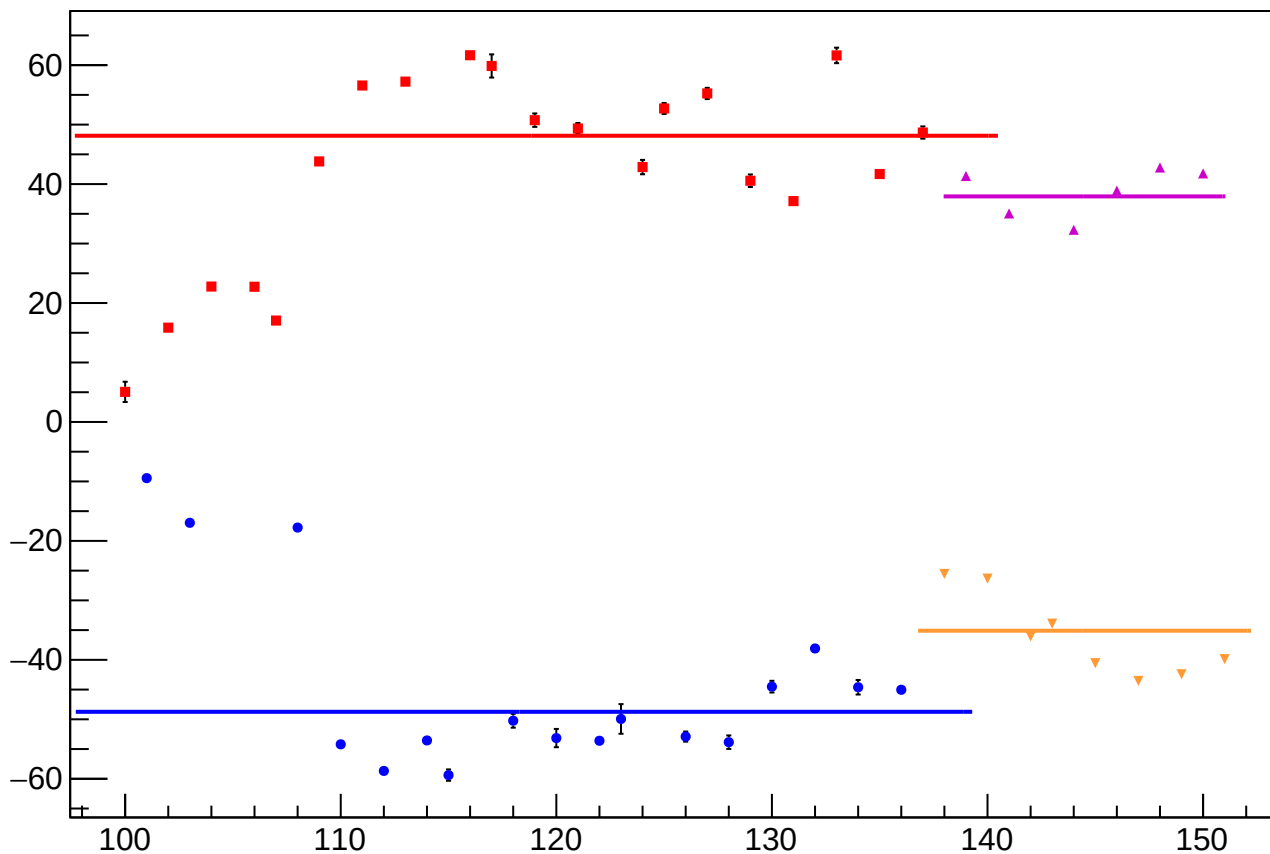
Left In: 39.741 ± 0.081 χ^2/NDF : 6231.5/5

-40.525 ± 0.052 χ^2/NDF : 12823.4/24

-1.559 ± 0.038 χ^2/NDF : 1169552.2/50

39.912 ± 0.054 χ^2/NDF : 17571.6/25

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.737 $\pm$ 0.125 χ^2 /NDF: 14658.1/16

Left Out: -35.105 $\pm$ 0.105 χ^2 /NDF:4207.9/7

Right Out: 48.127 $\pm$ 0.107 χ^2 /NDF: 11769.6/19

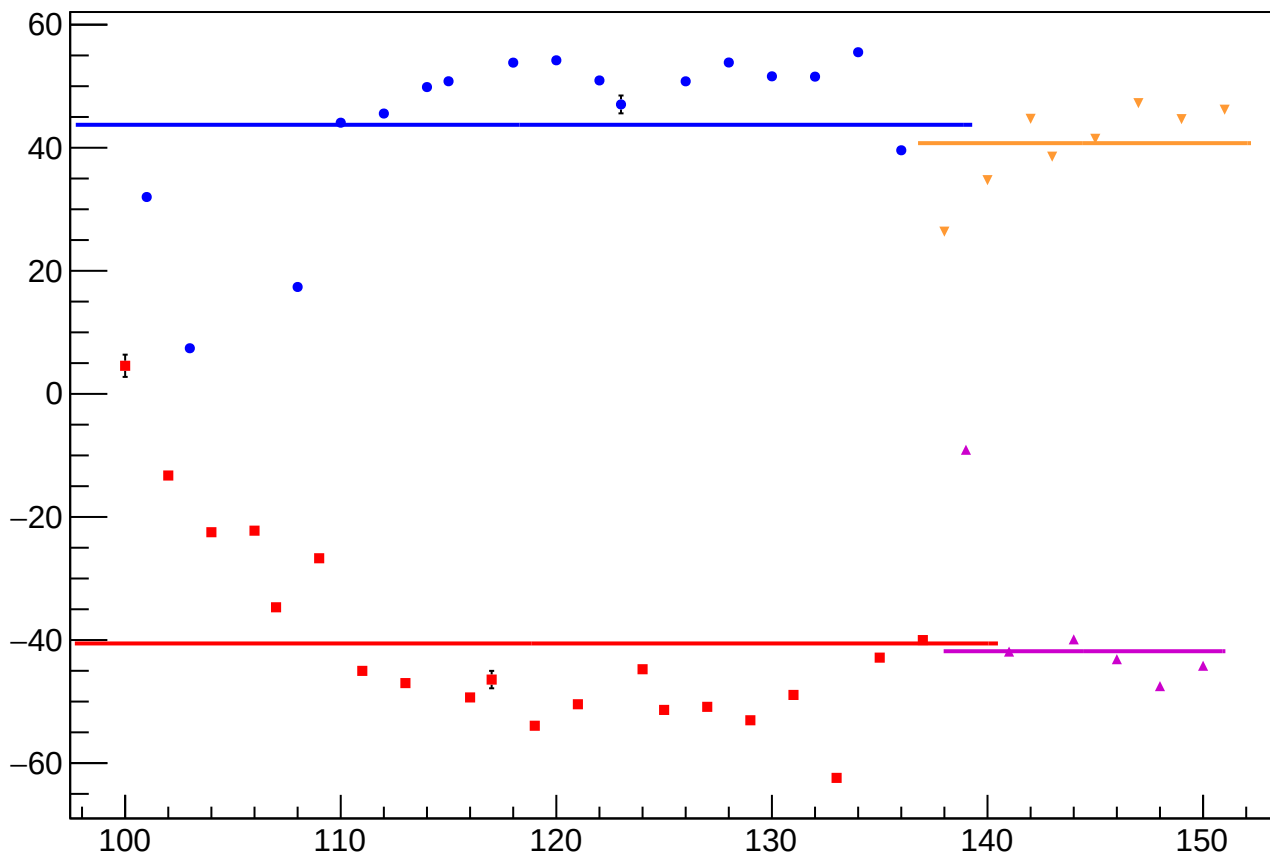
Left In: 37.929 $\pm$ 0.120 χ^2 /NDF:1077.1/5

-40.768 $\pm$ 0.080 χ^2 /NDF: 25868.1/24

1.690 $\pm$ 0.057 χ^2 /NDF: 598415.5/50

43.586 $\pm$ 0.080 χ^2 /NDF: 16886.0/25

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.731+/-0.087 χ^2/NDF : 10567.7/16

Left Out: 40.747+/-0.087 χ^2/NDF : 4645.4/7

Right Out: -40.556+/-0.080 χ^2/NDF : 17618.6/19

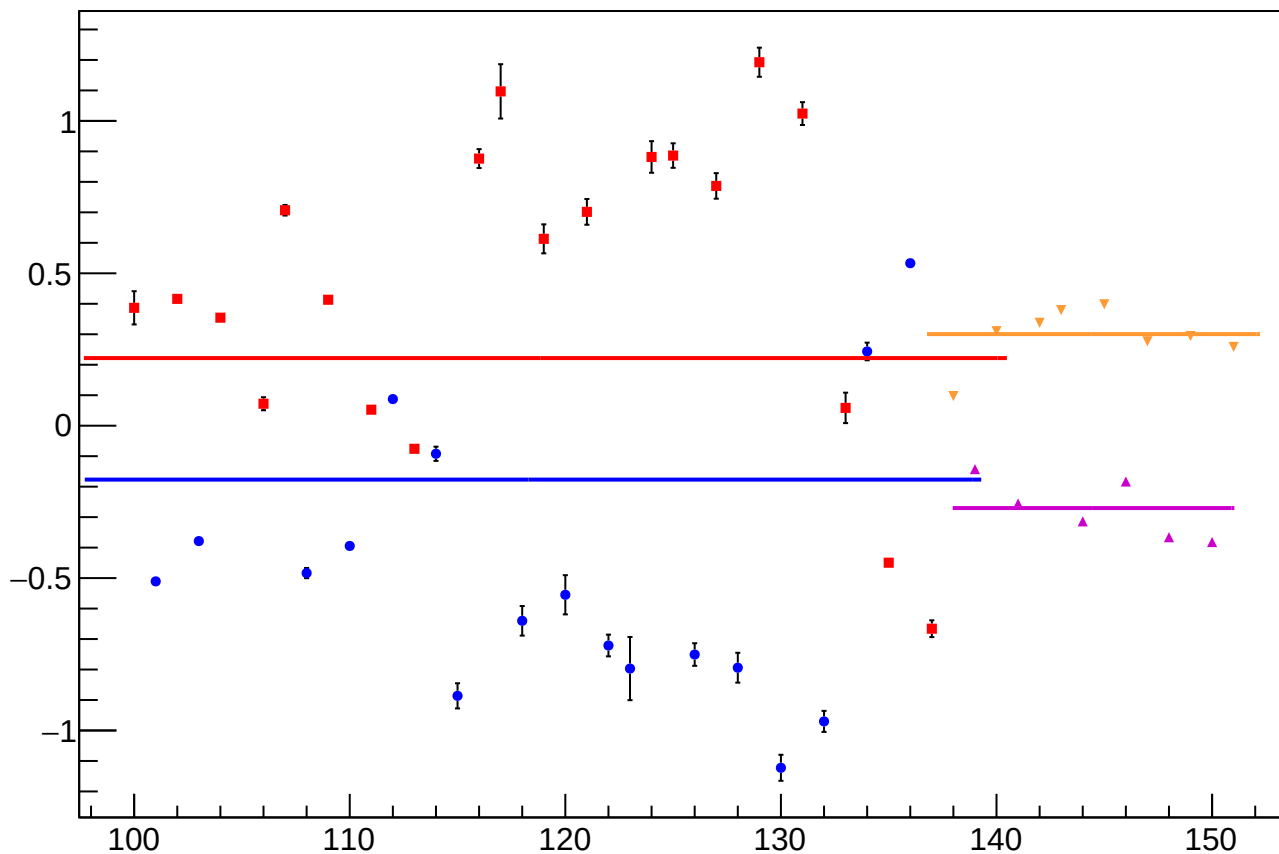
Left In: -41.818+/-0.100 χ^2/NDF : 4349.7/5

42.244+/-0.062 χ^2/NDF : 15801.4/24

1.206+/-0.044 χ^2/NDF : 941478.9/50

-41.051+/-0.062 χ^2/NDF : 22065.7/25

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.177 ± 0.005 χ^2/NDF : 7364.7/16

Left Out: 0.301 ± 0.004 χ^2/NDF : 443.1/7

Right Out: 0.222 ± 0.004 χ^2/NDF : 7527.0/19

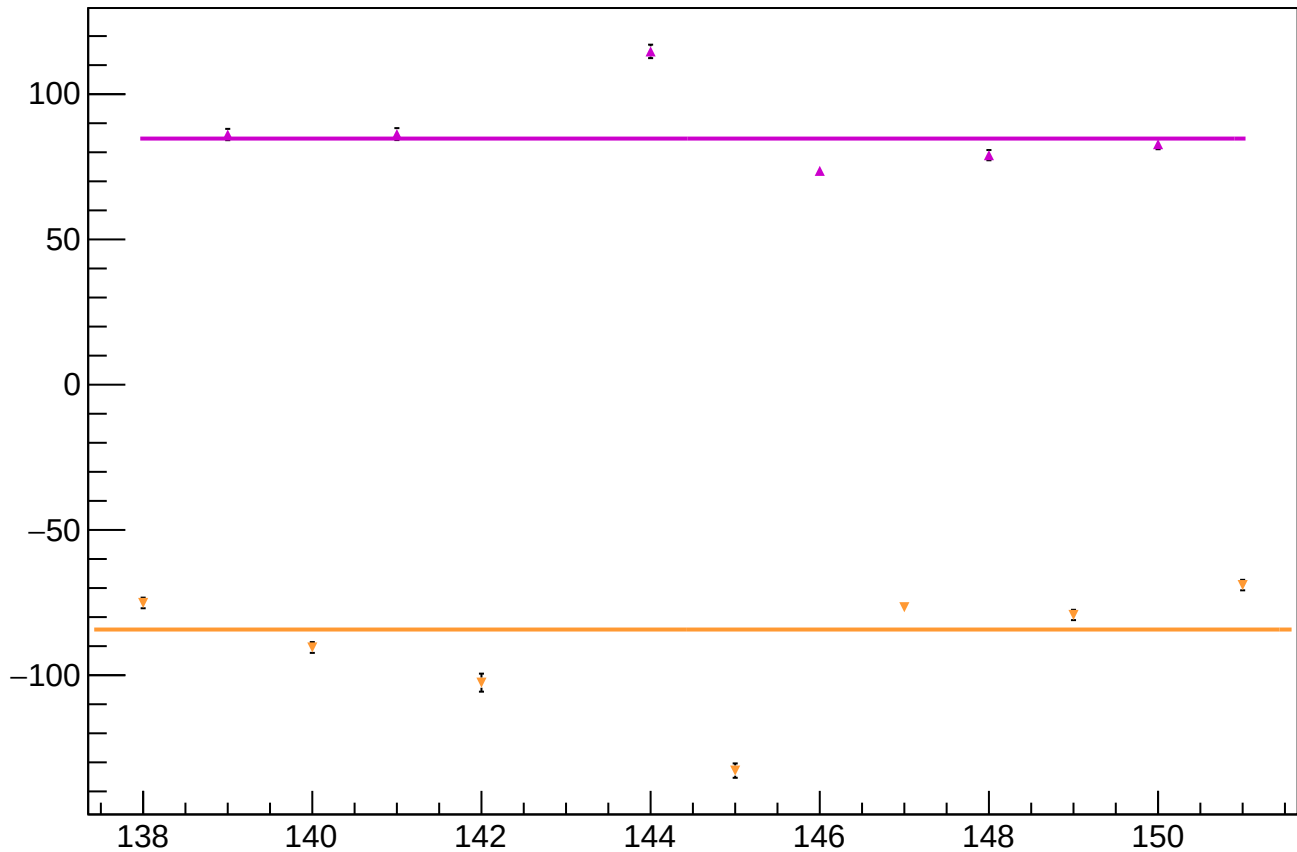
Left In: -0.270 ± 0.005 χ^2/NDF : 294.5/5

0.085 ± 0.003 χ^2/NDF : 13153.4/24

0.049 ± 0.002 χ^2/NDF : 26832.0/50

0.012 ± 0.003 χ^2/NDF : 13421.1/25

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -84.279+/-0.742 χ^2/NDF : 555.0/6

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

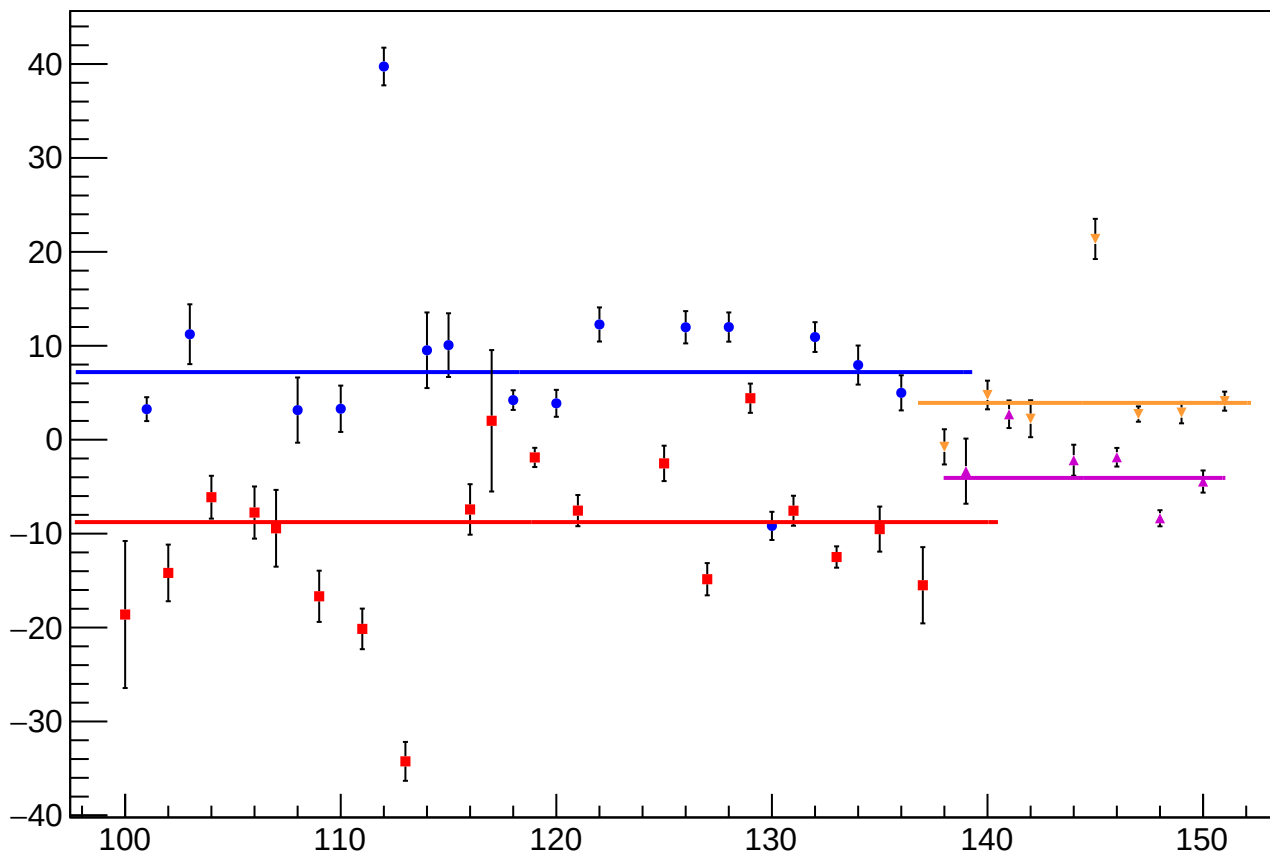
Left In: 84.719+/-0.771 χ^2/NDF : 223.1/5

-84.279+/-0.742 χ^2/NDF : 555.0/6

-2.981+/-0.535 χ^2/NDF : 25723.2/12

84.719+/-0.771 χ^2/NDF : 223.1/5

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.199 ± 0.440 χ^2/NDF : 443.8/15

Left Out: 3.919 ± 0.475 χ^2/NDF : 76.8/6

Right Out: -8.772 ± 0.447 χ^2/NDF : 351.7/18

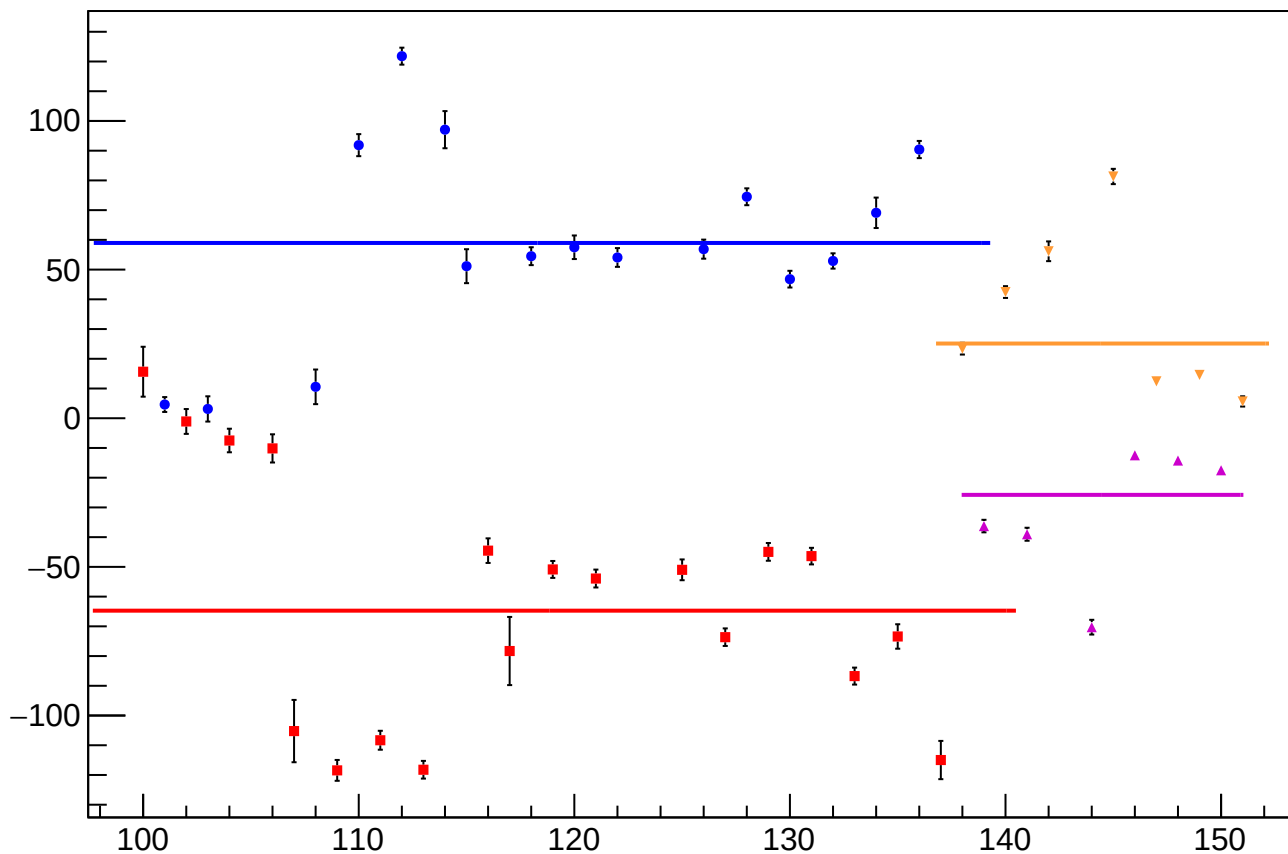
Left In: -4.068 ± 0.499 χ^2/NDF : 52.9/5

5.685 ± 0.322 χ^2/NDF : 546.3/22

-0.298 ± 0.232 χ^2/NDF : 1711.6/47

-6.678 ± 0.333 χ^2/NDF : 453.9/24

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.962+/-0.837 χ^2/NDF : 1496.5/15

Left Out: 25.130+/-0.738 χ^2/NDF : 872.9/6

Right Out: -64.728+/-0.838 χ^2/NDF : 1723.2/18

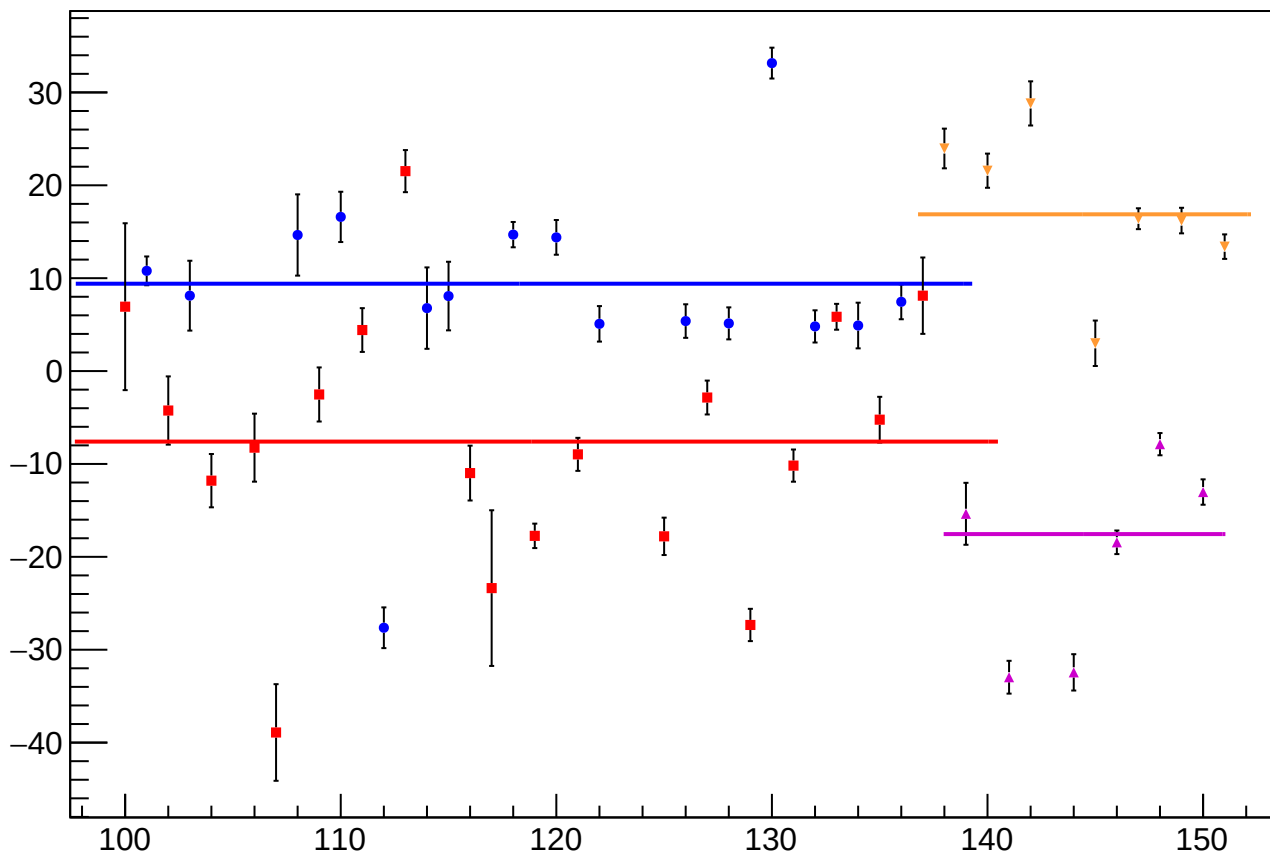
Left In: -25.776+/-0.763 χ^2/NDF : 525.5/5

39.927+/-0.554 χ^2/NDF : 3288.8/22

-0.960+/-0.395 χ^2/NDF : 17844.9/47

-43.441+/-0.564 χ^2/NDF : 3430.1/24

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: 16.877 ± 0.603 $\chi^2/\text{NDF}: 82.3/6$

Right Out: -7.593 ± 0.514 $\chi^2/\text{NDF}: 573.4/18$

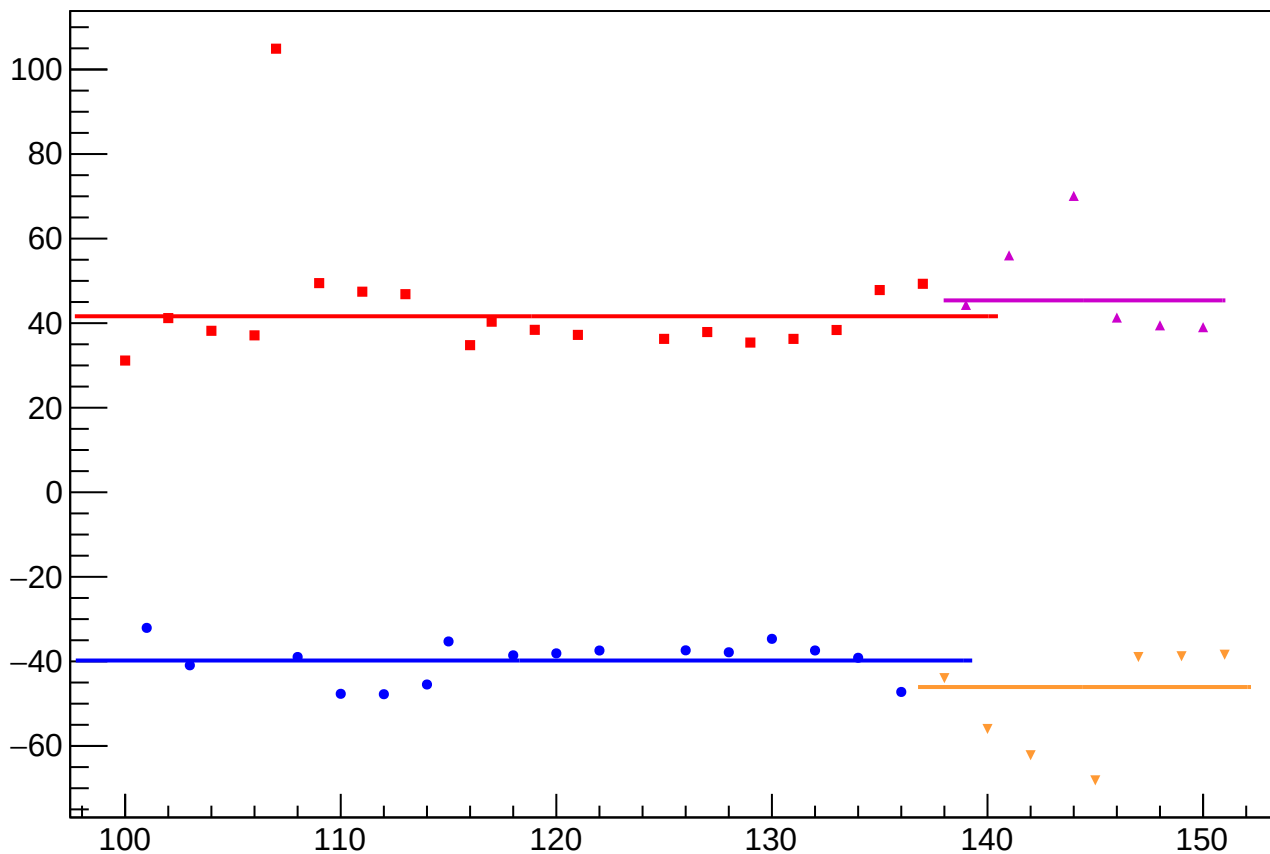
Left In: -17.550 ± 0.629 $\chi^2/\text{NDF}: 211.4/5$

12.499 ± 0.388 $\chi^2/\text{NDF}: 721.9/22$

0.772 ± 0.278 $\chi^2/\text{NDF}: 3534.0/47$

-11.577 ± 0.398 $\chi^2/\text{NDF}: 935.0/24$

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.791 ± 0.031 χ^2/NDF : 26138.6/15

Left Out: -46.064 ± 0.032 χ^2/NDF : 105079.6/6

Right Out: 41.631 ± 0.031 χ^2/NDF : 94399.1/18

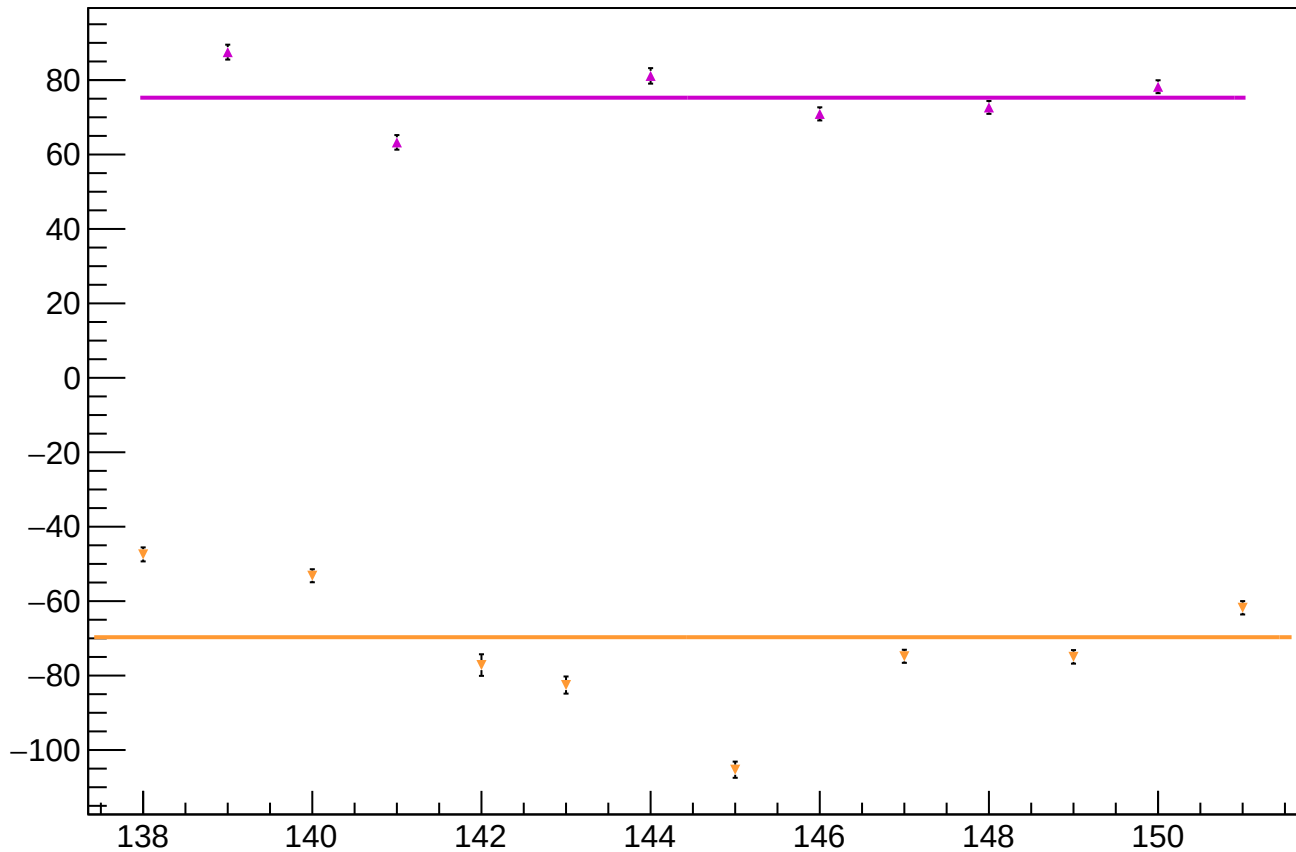
Left In: 45.384 ± 0.032 χ^2/NDF : 84808.1/5

-42.884 ± 0.022 χ^2/NDF : 151118.6/22

0.240 ± 0.016 χ^2/NDF : 7871743.0/47

43.468 ± 0.022 χ^2/NDF : 186312.5/24

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -69.692+/-0.697 χ^2/NDF : 570.4/7

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

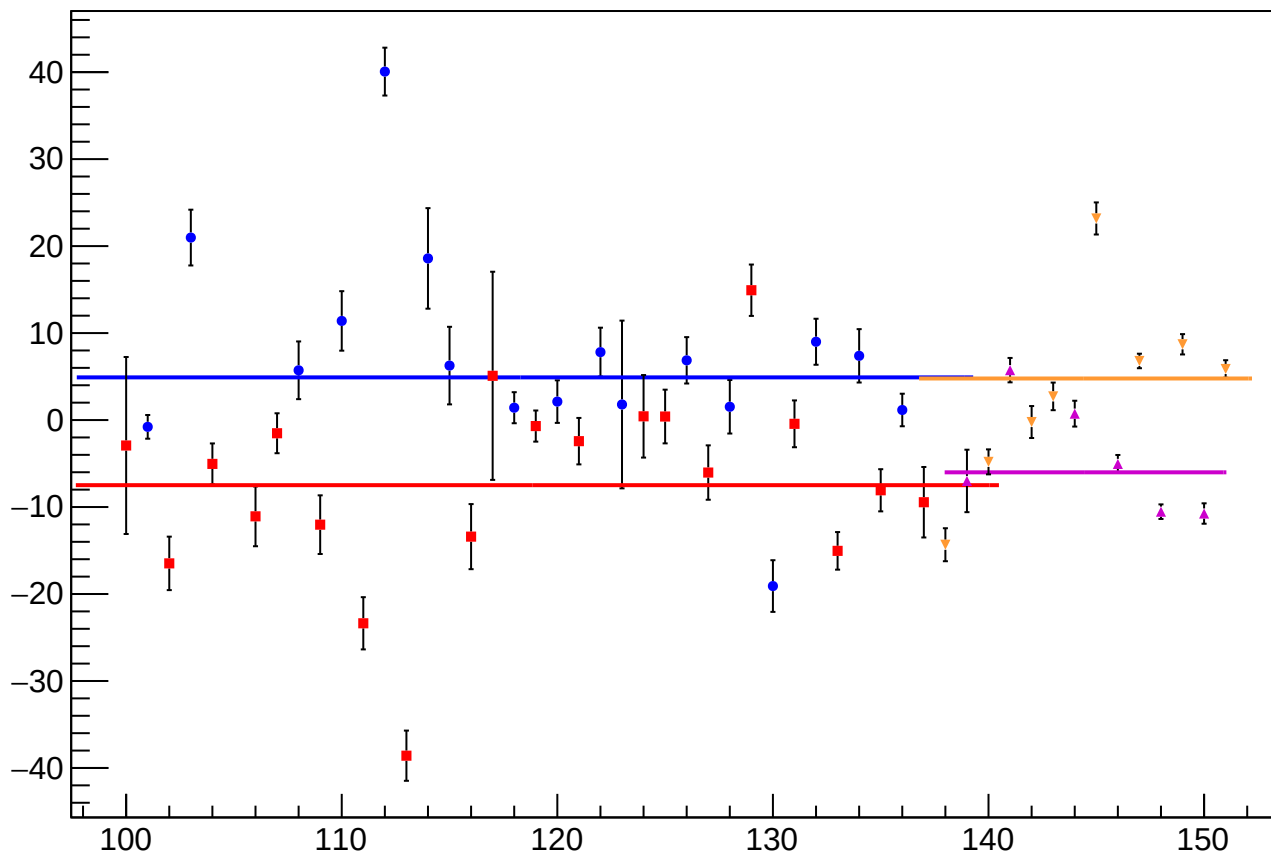
Left In: 75.267+/-0.762 χ^2/NDF : 93.7/5

-69.692+/-0.697 χ^2/NDF : 570.4/7

-3.647+/-0.514 χ^2/NDF : 20387.1/13

75.267+/-0.762 χ^2/NDF : 93.7/5

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.907 ± 0.628 χ^2/NDF : 295.4/16

Left Out: 4.778 ± 0.452 χ^2/NDF : 273.0/7

Right Out: -7.486 ± 0.650 χ^2/NDF : 271.7/19

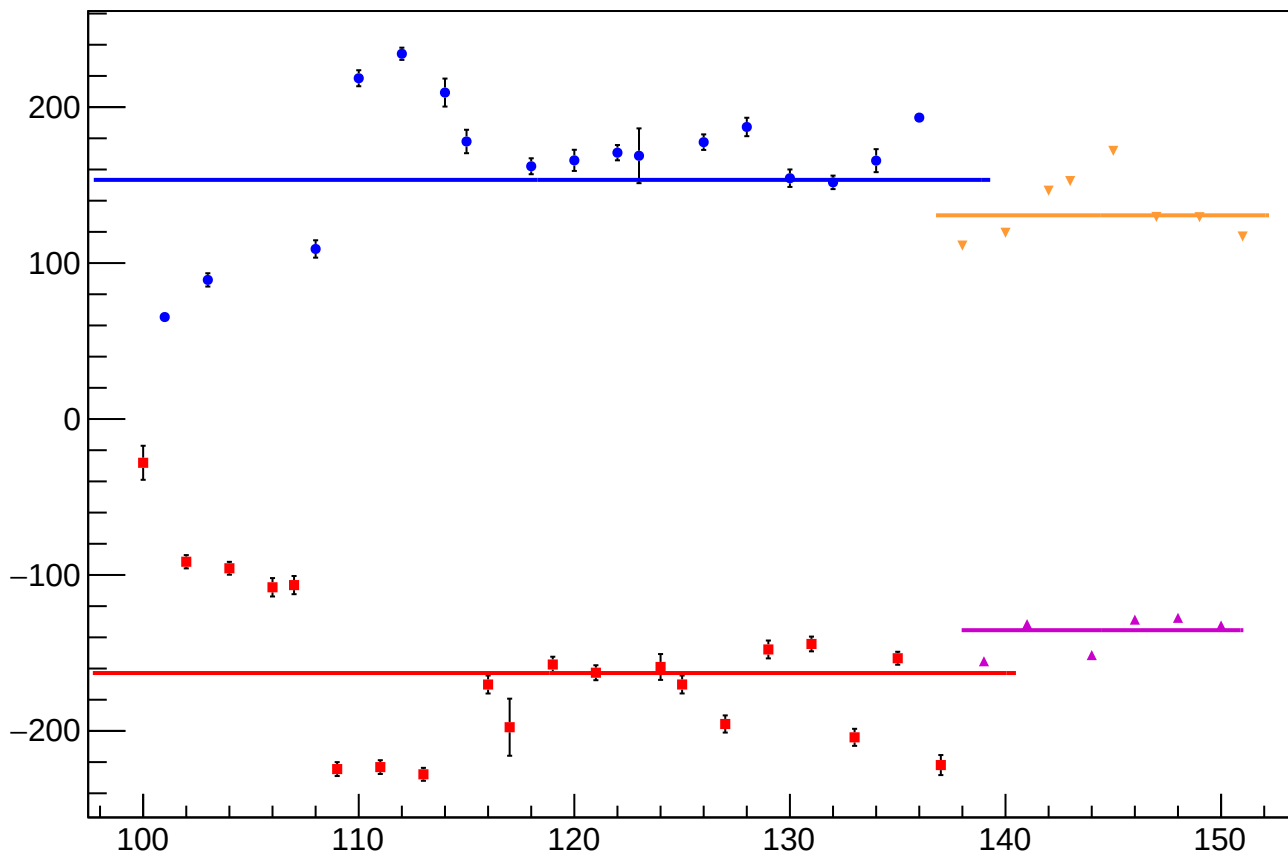
Left In: -6.010 ± 0.492 χ^2/NDF : 137.1/5

4.822 ± 0.367 χ^2/NDF : 568.4/24

-0.481 ± 0.268 χ^2/NDF : 1429.0/50

-6.548 ± 0.392 χ^2/NDF : 412.1/25

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: 130.622 $\pm$ 0.699 χ^2/NDF : 626.8/7

Right Out: -162.878 $\pm$ 1.174 χ^2/NDF : 1712.4/19

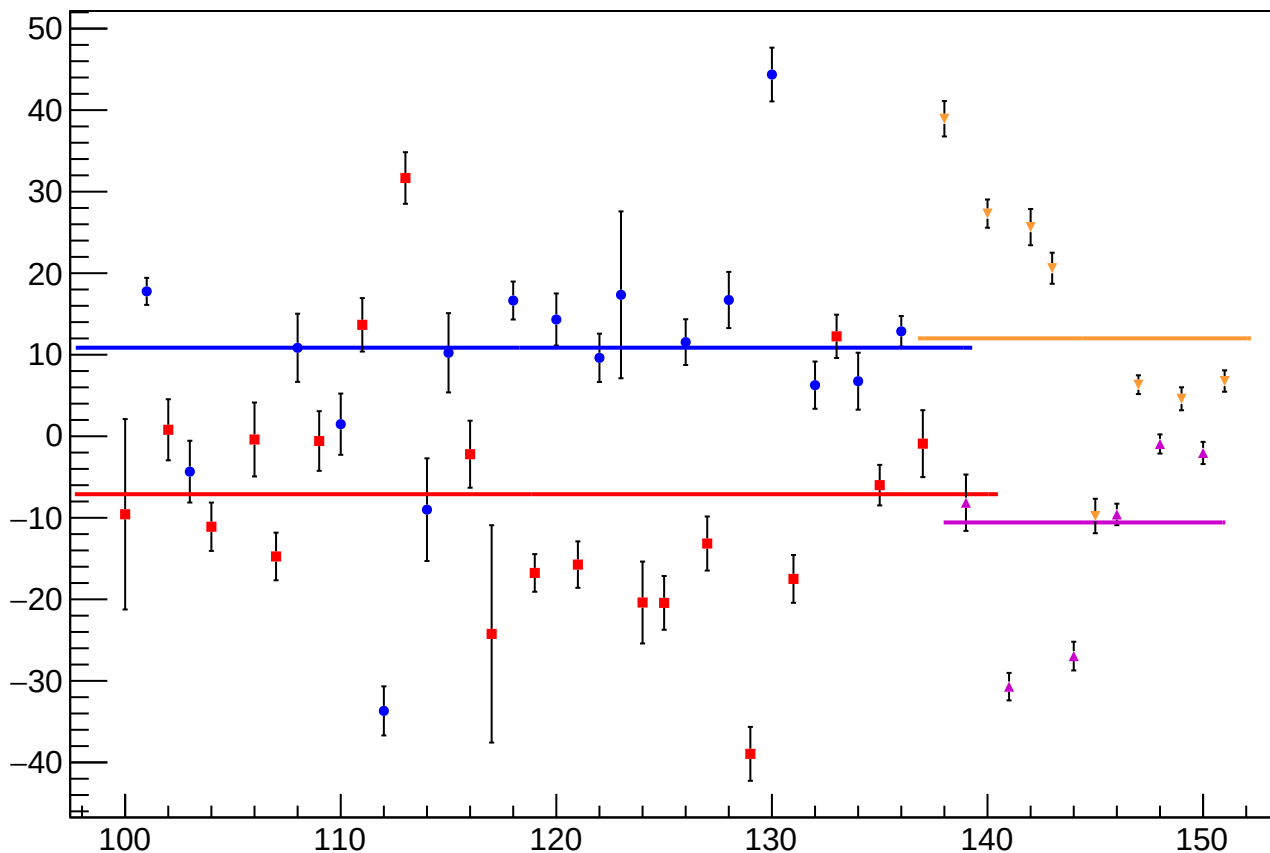
Left In: -135.404 $\pm$ 0.755 χ^2/NDF : 182.2/5

136.757 $\pm$ 0.598 χ^2/NDF : 3180.2/24

5.233 $\pm$ 0.435 χ^2/NDF : 108668.9/50

-143.444 $\pm$ 0.635 χ^2/NDF : 2281.7/25

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: 12.010 $\pm$ 0.569 χ^2/NDF : 464.1/7

Right Out: -7.106 $\pm$ 0.746 χ^2/NDF : 426.4/19

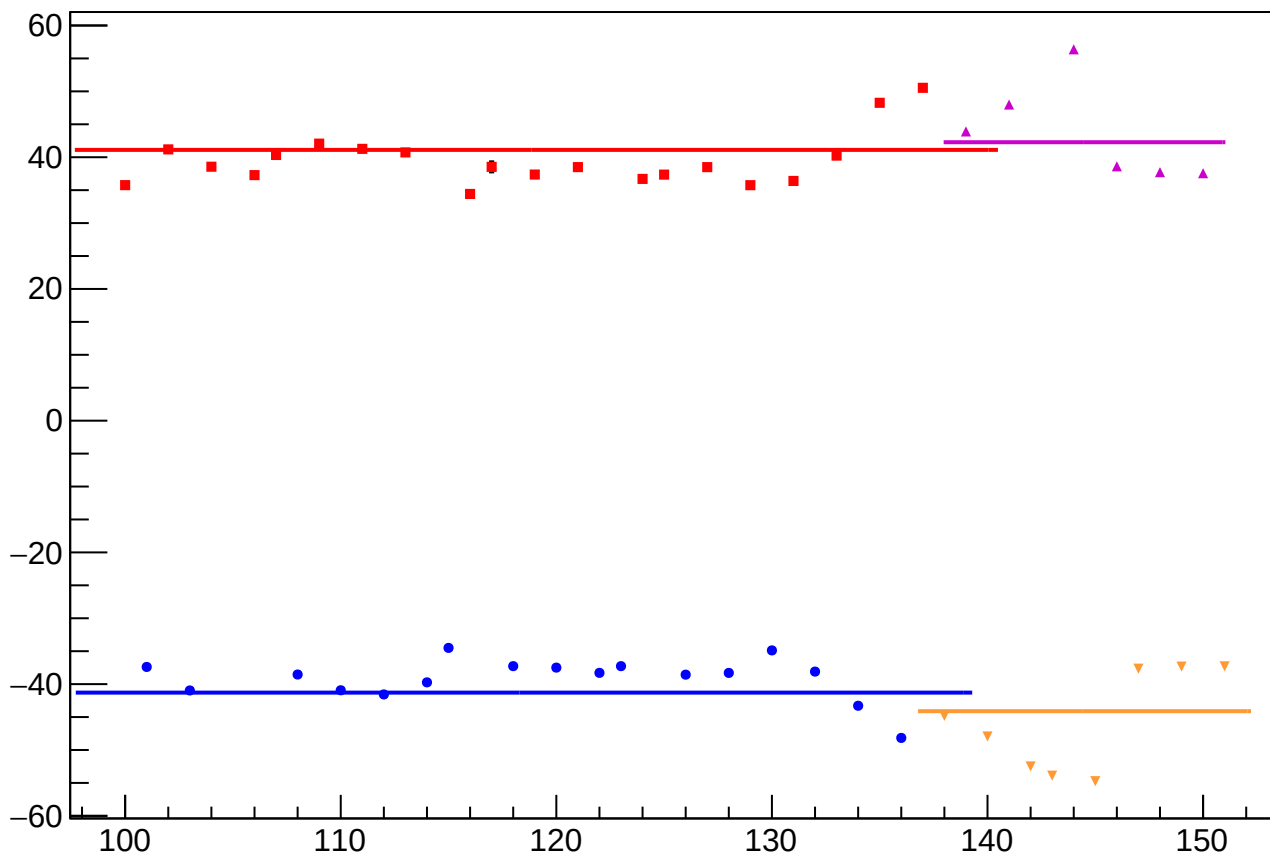
Left In: -10.569 $\pm$ 0.620 χ^2/NDF : 336.5/5

11.568 $\pm$ 0.446 χ^2/NDF : 853.5/24

1.890 $\pm$ 0.326 χ^2/NDF : 2635.3/50

-9.155 $\pm$ 0.477 χ^2/NDF : 775.6/25

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.289 ± 0.039 χ^2/NDF : 12509.1/16

Left Out: -44.108 ± 0.030 χ^2/NDF : 54475.4/7

Right Out: 41.115 ± 0.039 χ^2/NDF : 12120.1/19

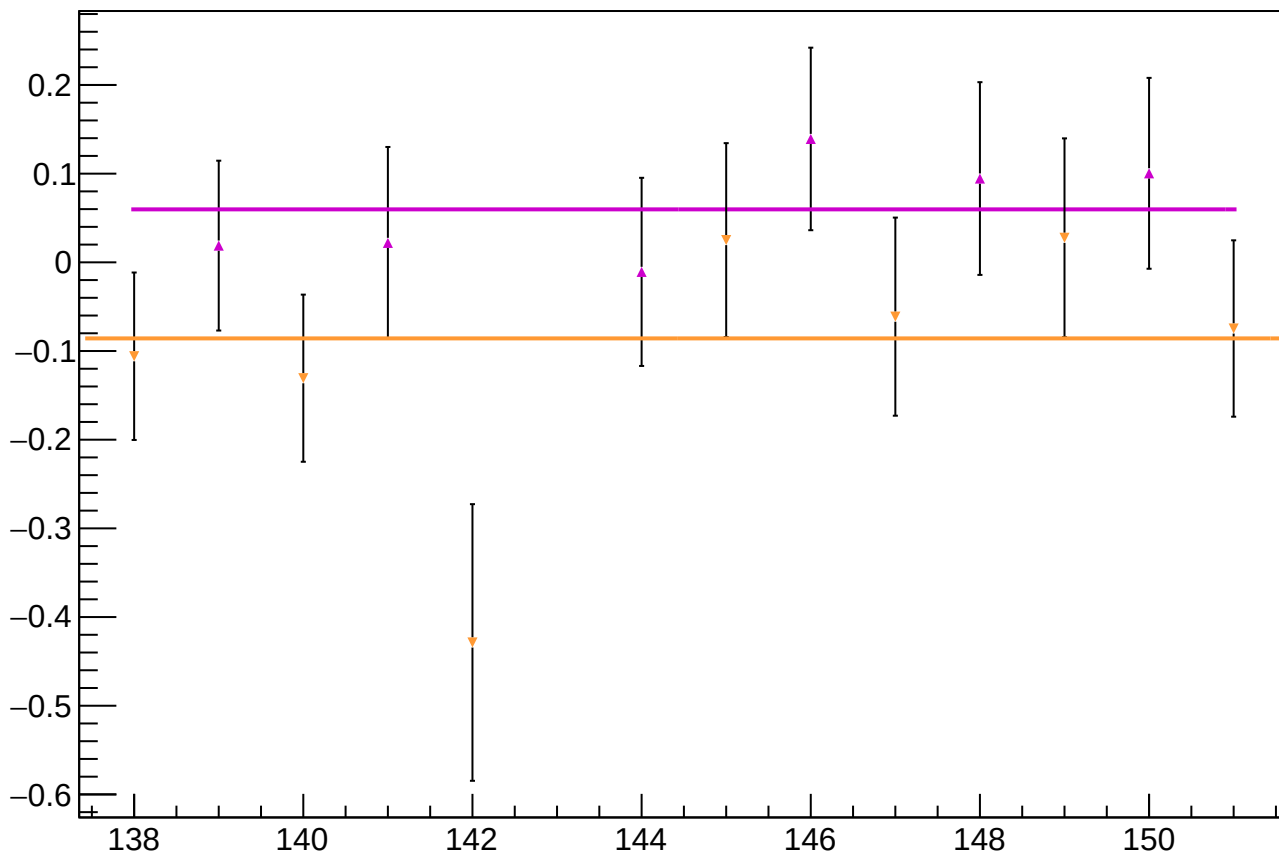
Left In: 42.278 ± 0.032 χ^2/NDF : 37231.2/5

-43.056 ± 0.024 χ^2/NDF : 70326.5/24

-2.106 ± 0.017 χ^2/NDF : 6368061.6/50

41.813 ± 0.024 χ^2/NDF : 49895.2/25

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.086+/-0.040 χ^2/NDF : 7.2/6

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

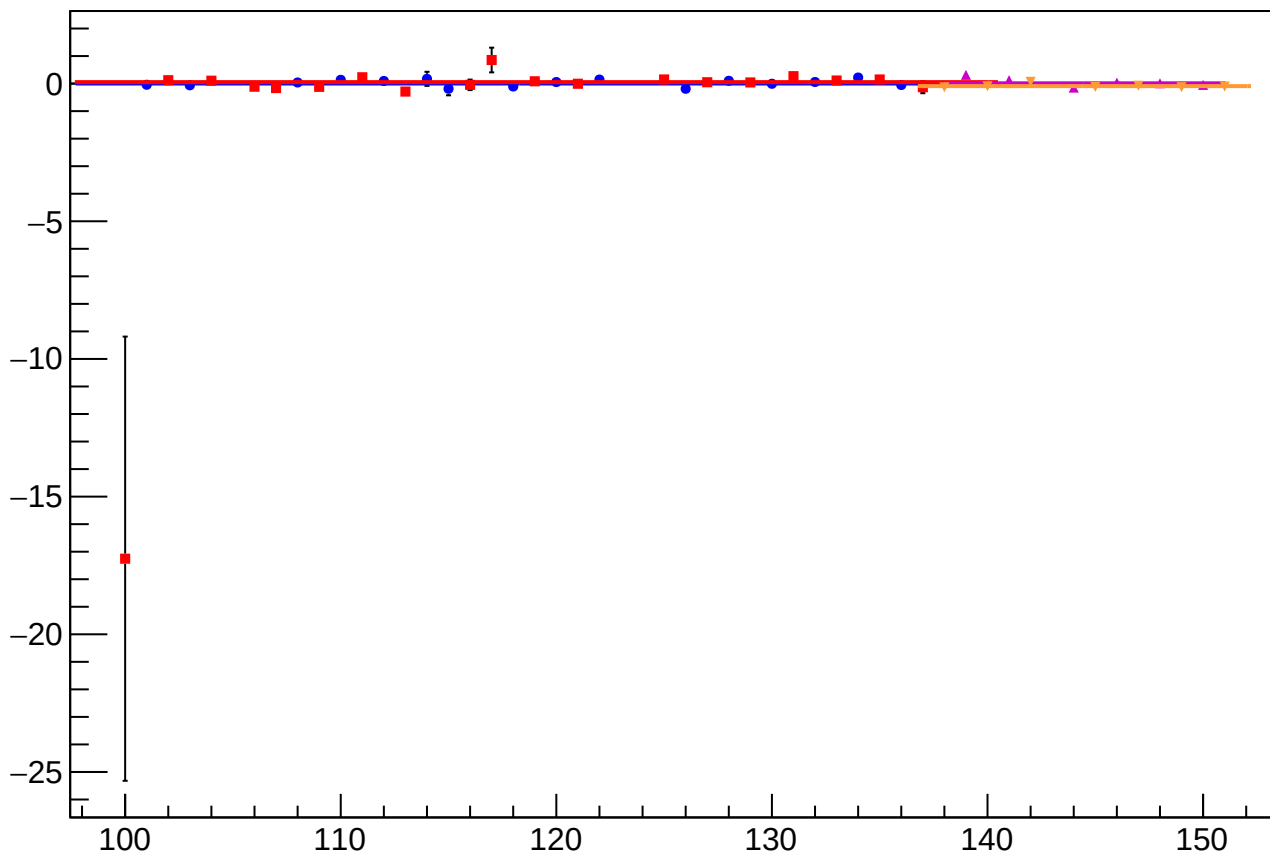
Left In: 0.060+/-0.043 χ^2/NDF : 1.6/5

-0.086+/-0.040 χ^2/NDF : 7.2/6

-0.017+/-0.029 χ^2/NDF : 14.9/12

0.060+/-0.043 χ^2/NDF : 1.6/5

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.003 $\pm$ 0.029 χ^2 /NDF: 12.4/15

Left Out: -0.092 $\pm$ 0.027 χ^2 /NDF: 3.2/6

Right Out: 0.053 $\pm$ 0.029 χ^2 /NDF: 28.8/18

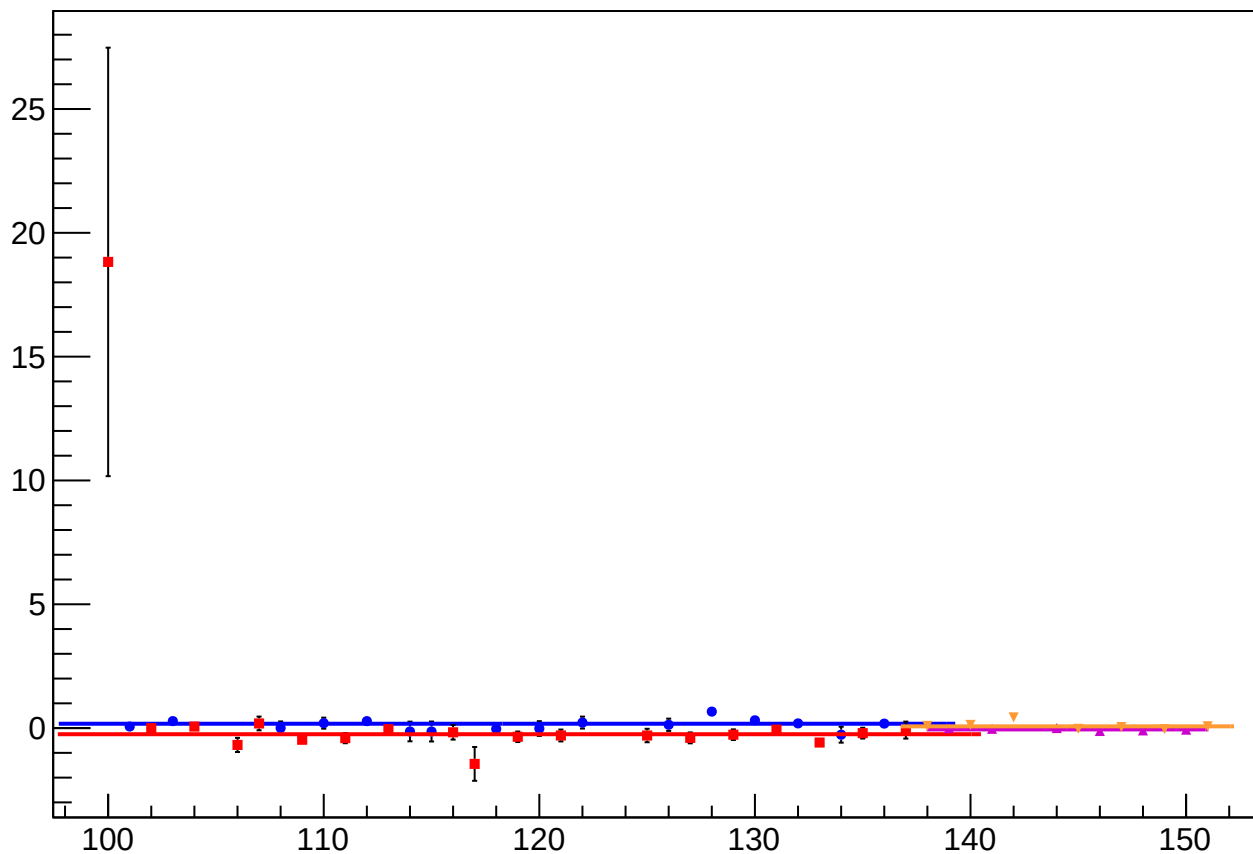
Left In: 0.010 $\pm$ 0.029 χ^2 /NDF: 10.4/5

-0.046 $\pm$ 0.020 χ^2 /NDF: 21.4/22

-0.009 $\pm$ 0.014 χ^2 /NDF: 69.2/47

0.032 $\pm$ 0.021 χ^2 /NDF: 40.3/24

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.176 ± 0.053 χ^2/NDF : 13.0/15

Left Out: 0.071 ± 0.041 χ^2/NDF : 7.0/6

Right Out: -0.247 ± 0.054 χ^2/NDF : 24.7/18

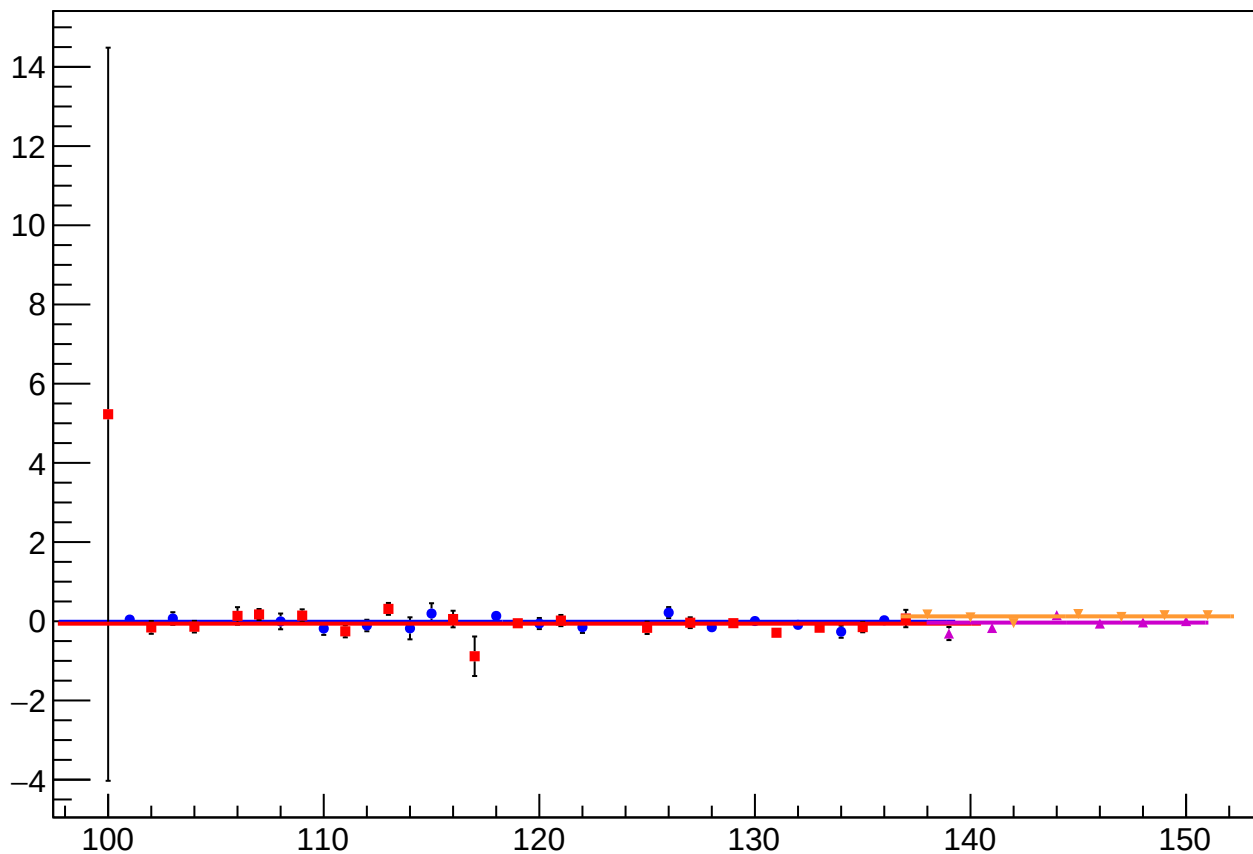
Left In: -0.053 ± 0.043 χ^2/NDF : 1.1/5

0.110 ± 0.032 χ^2/NDF : 22.5/22

-0.005 ± 0.023 χ^2/NDF : 82.7/47

-0.129 ± 0.034 χ^2/NDF : 33.8/24

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.124 ± 0.034 χ^2/NDF : 2.9/6

Right Out: -0.061 ± 0.034 χ^2/NDF : 23.1/18

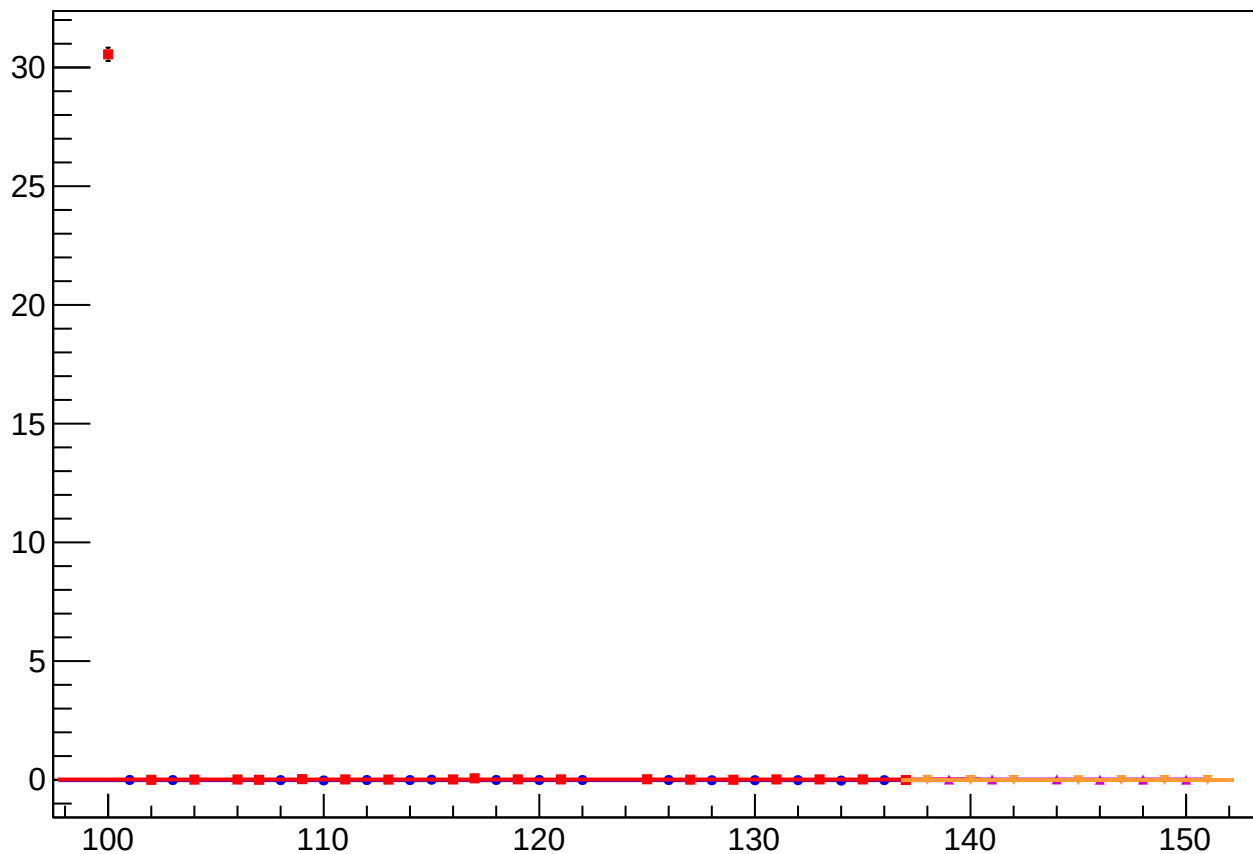
Left In: -0.034 ± 0.036 χ^2/NDF : 9.6/5

0.053 ± 0.024 χ^2/NDF : 24.9/22

0.004 ± 0.017 χ^2/NDF : 66.5/47

-0.048 ± 0.025 χ^2/NDF : 33.0/24

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 ± 0.002 χ^2/NDF : 7.6/6

Right Out: 0.012 ± 0.002 χ^2/NDF : 11894.0/18

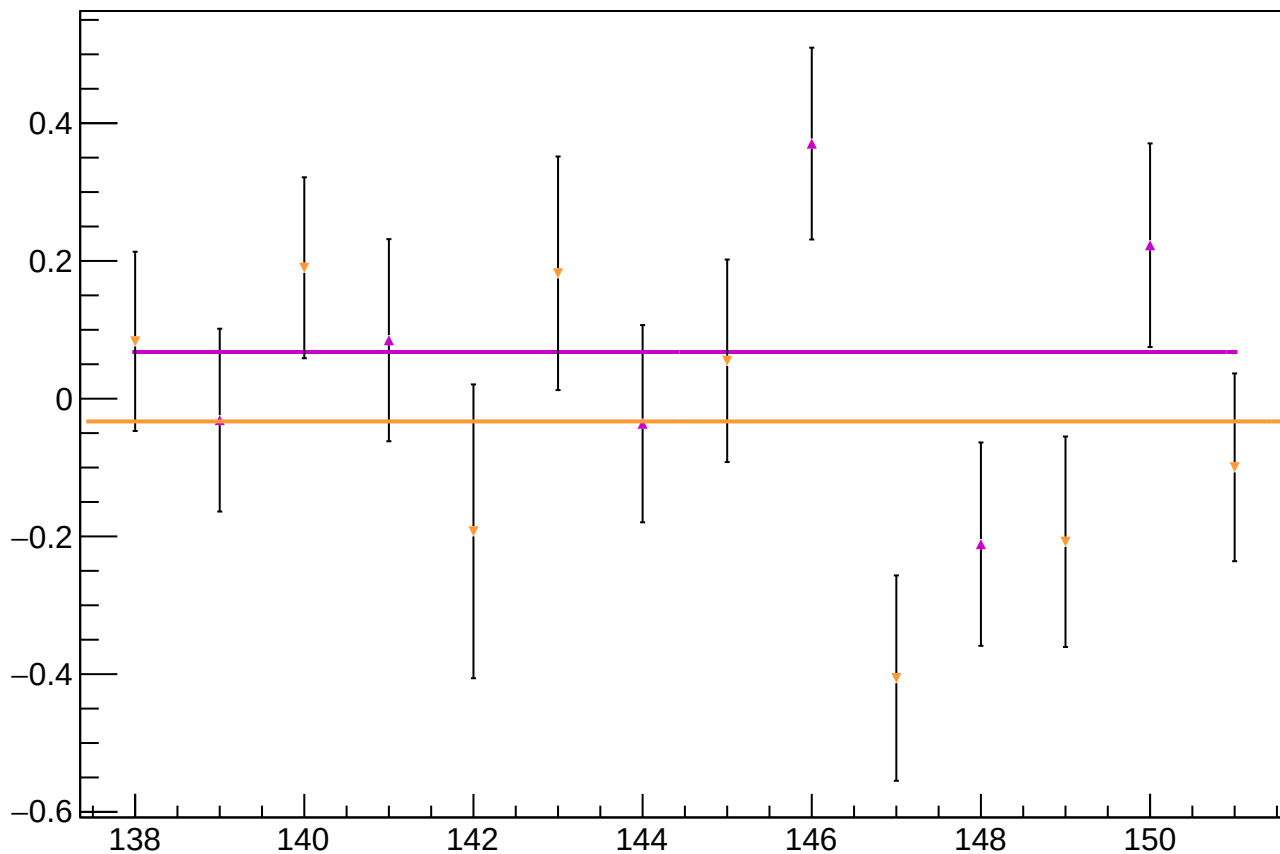
Left In: 0.013 ± 0.002 χ^2/NDF : 6.5/5

-0.010 ± 0.001 χ^2/NDF : 21.8/22

0.001 ± 0.001 χ^2/NDF : 12090.5/47

0.013 ± 0.001 χ^2/NDF : 11900.6/24

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.033+/-0.053 χ^2/NDF : 14.0/7

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

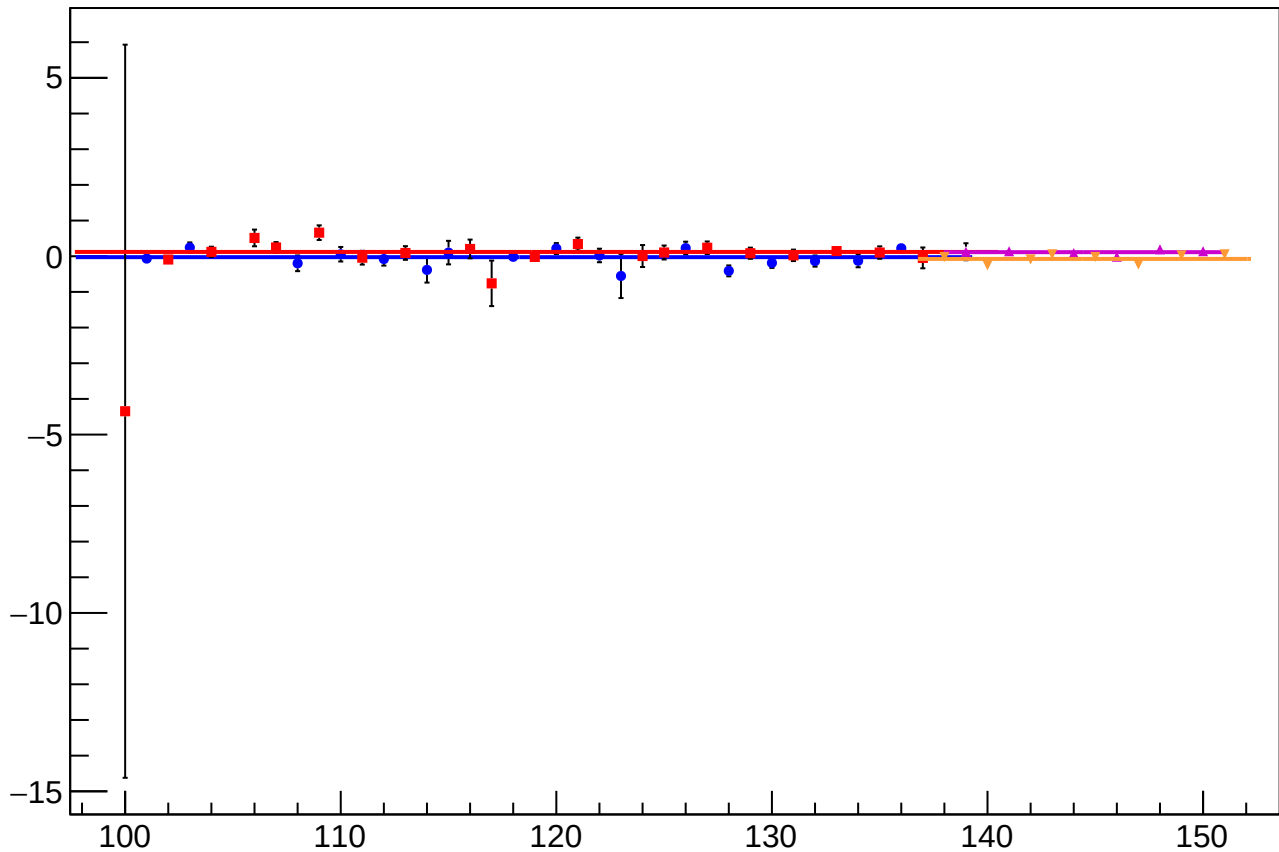
Left In: 0.068+/-0.058 χ^2/NDF : 10.5/5

-0.033+/-0.053 χ^2/NDF : 14.0/7

0.012+/-0.039 χ^2/NDF : 26.1/13

0.068+/-0.058 χ^2/NDF : 10.5/5

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.026 ± 0.037 χ^2/NDF : 22.7/16

Left Out: -0.075 ± 0.035 χ^2/NDF : 13.0/7

Right Out: 0.120 ± 0.039 χ^2/NDF : 20.2/19

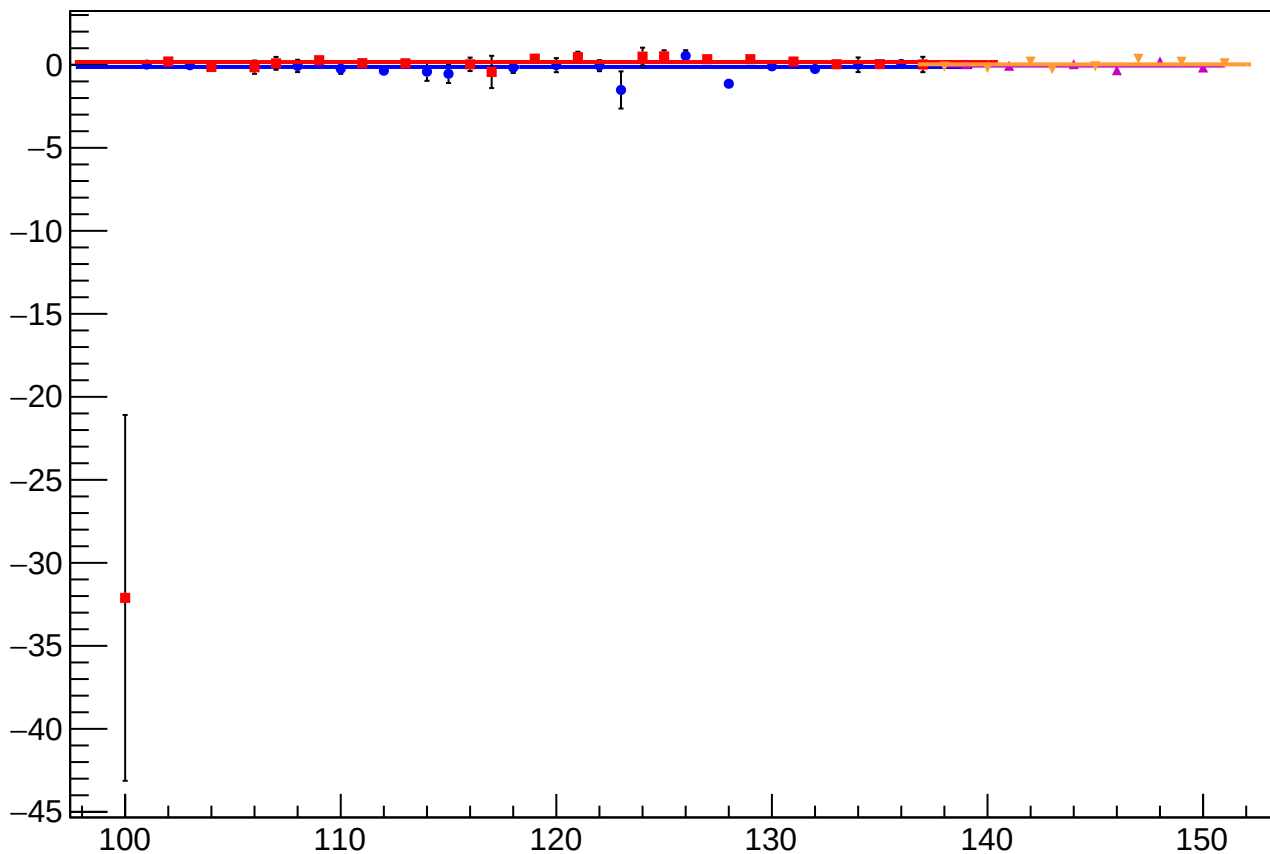
Left In: 0.114 ± 0.039 χ^2/NDF : 3.8/5

-0.052 ± 0.026 χ^2/NDF : 36.6/24

0.025 ± 0.019 χ^2/NDF : 80.6/50

0.117 ± 0.028 χ^2/NDF : 24.0/25

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.129 ± 0.067 χ^2/NDF : 23.1/16

Left Out: 0.029 ± 0.053 χ^2/NDF : 14.2/7

Right Out: 0.169 ± 0.071 χ^2/NDF : 15.3/19

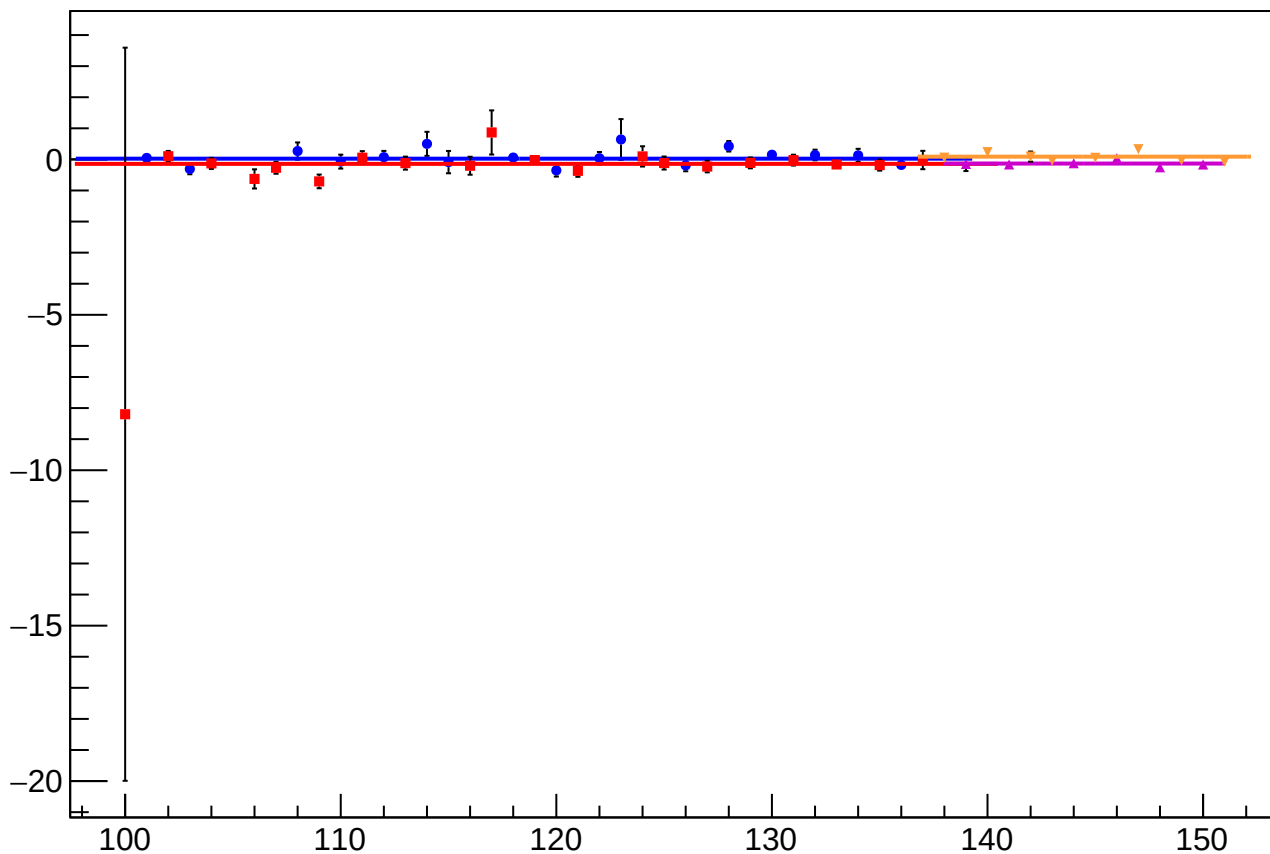
Left In: -0.048 ± 0.058 χ^2/NDF : 9.1/5

-0.032 ± 0.042 χ^2/NDF : 40.7/24

0.001 ± 0.031 χ^2/NDF : 72.0/50

0.040 ± 0.045 χ^2/NDF : 30.0/25

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.023 ± 0.043 χ^2/NDF : 21.3/16

Left Out: 0.088 ± 0.044 χ^2/NDF : 11.8/7

Right Out: -0.144 ± 0.045 χ^2/NDF : 18.6/19

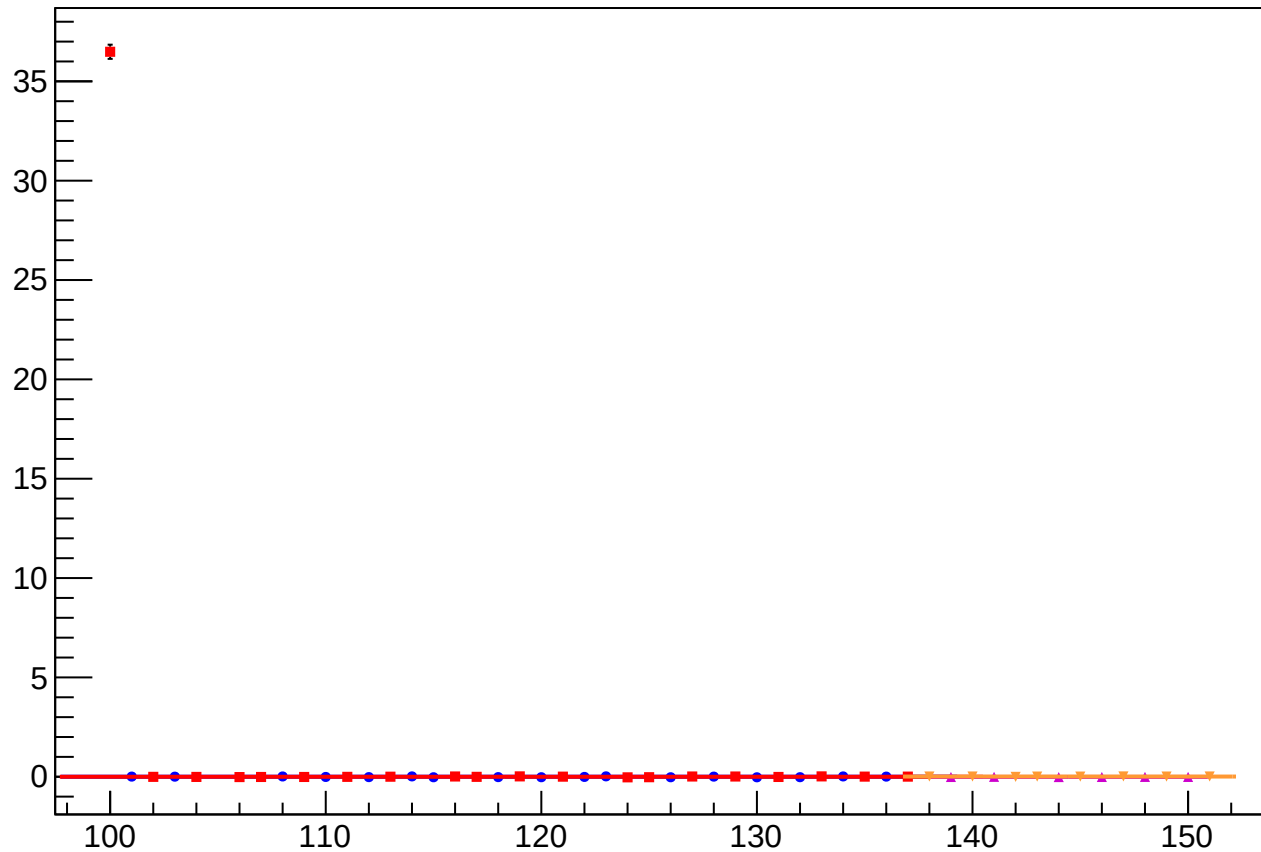
Left In: -0.134 ± 0.049 χ^2/NDF : 4.2/5

0.054 ± 0.031 χ^2/NDF : 34.3/24

-0.034 ± 0.023 χ^2/NDF : 75.4/50

-0.139 ± 0.033 χ^2/NDF : 22.9/25

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001 ± 0.002 χ^2/NDF : 30.6/16

Left Out: 0.010 ± 0.002 χ^2/NDF : 4.5/7

Right Out: -0.001 ± 0.002 χ^2/NDF : 10449.1/19

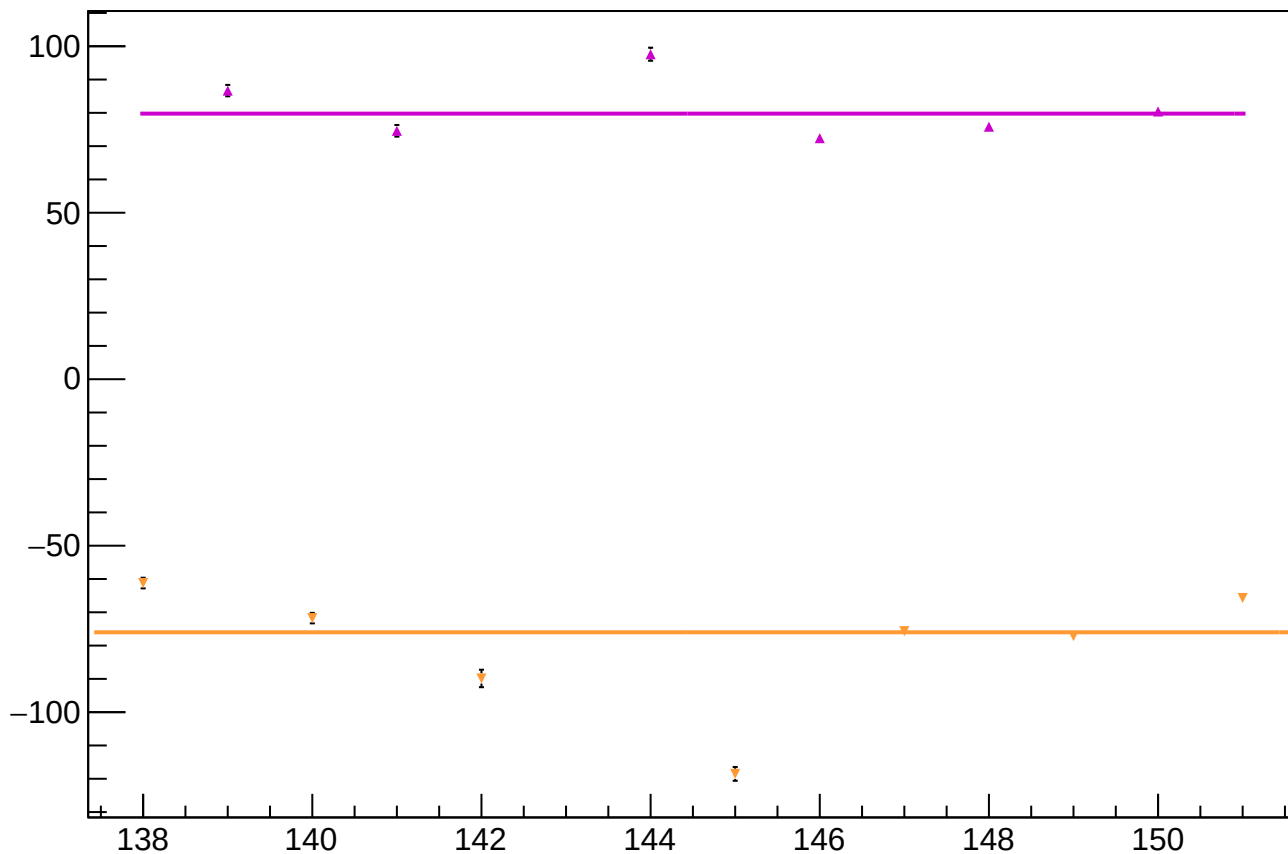
Left In: -0.009 ± 0.002 χ^2/NDF : 2.0/5

0.006 ± 0.002 χ^2/NDF : 43.0/24

0.001 ± 0.001 χ^2/NDF : 10522.6/50

-0.005 ± 0.002 χ^2/NDF : 10457.6/25

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: -76.004+/-0.616 χ^2/NDF : 590.2/6

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

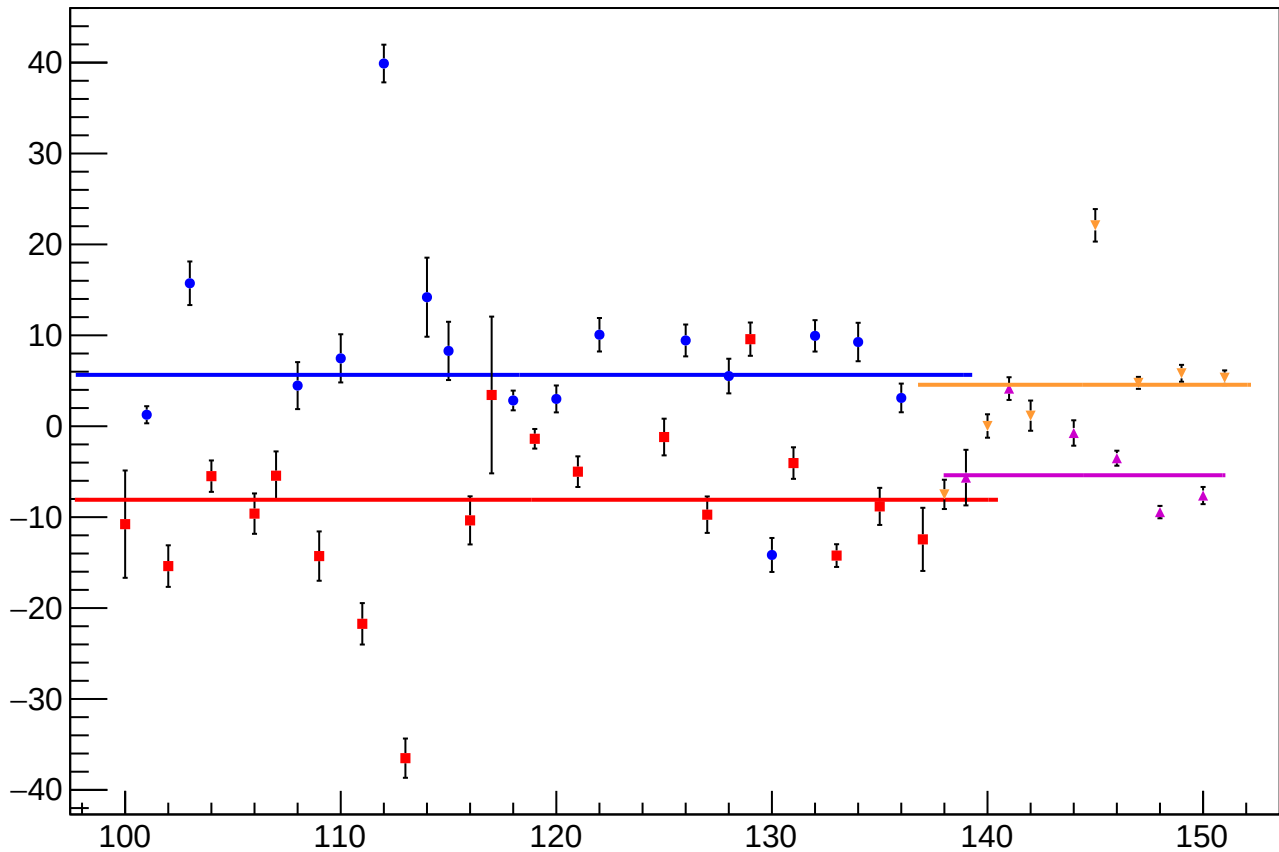
Left In: 79.767+/-0.641 χ^2/NDF : 142.2/5

-76.004+/-0.616 χ^2/NDF : 590.2/6

-1.122+/-0.444 χ^2/NDF : 31424.9/12

79.767+/-0.641 χ^2/NDF : 142.2/5

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.651+/-0.429 χ^2/NDF : 461.9/15

Left Out: 4.562+/-0.388 χ^2/NDF : 171.6/6

Right Out: -8.087+/-0.452 χ^2/NDF : 409.7/18

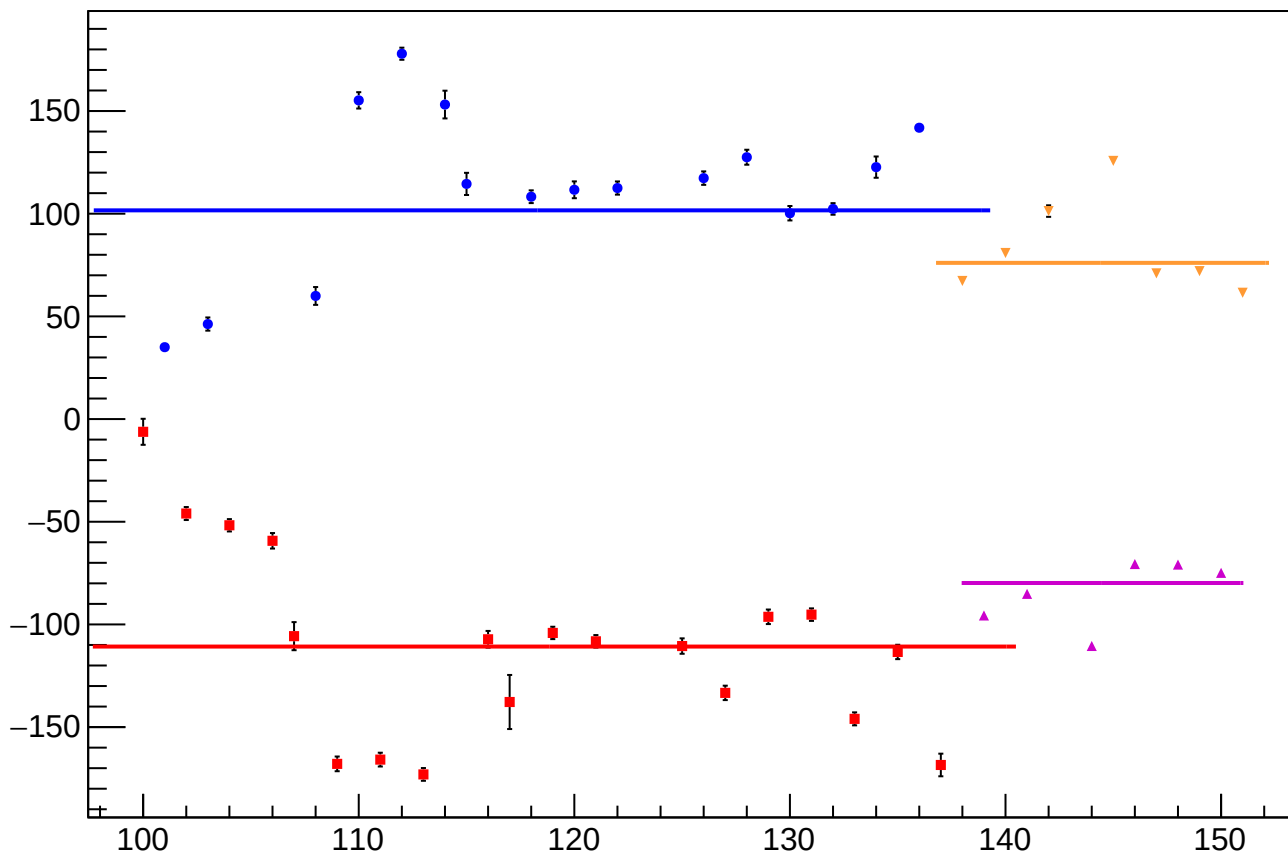
Left In: -5.389+/-0.408 χ^2/NDF : 115.4/5

5.051+/-0.288 χ^2/NDF : 637.1/22

-0.475+/-0.209 χ^2/NDF : 1959.6/47

-6.602+/-0.303 χ^2/NDF : 544.7/24

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: 76.065 $\pm$ 0.611 χ^2/NDF : 778.4/6

Right Out: -110.778 $\pm$ 0.834 χ^2/NDF : 2518.3/18

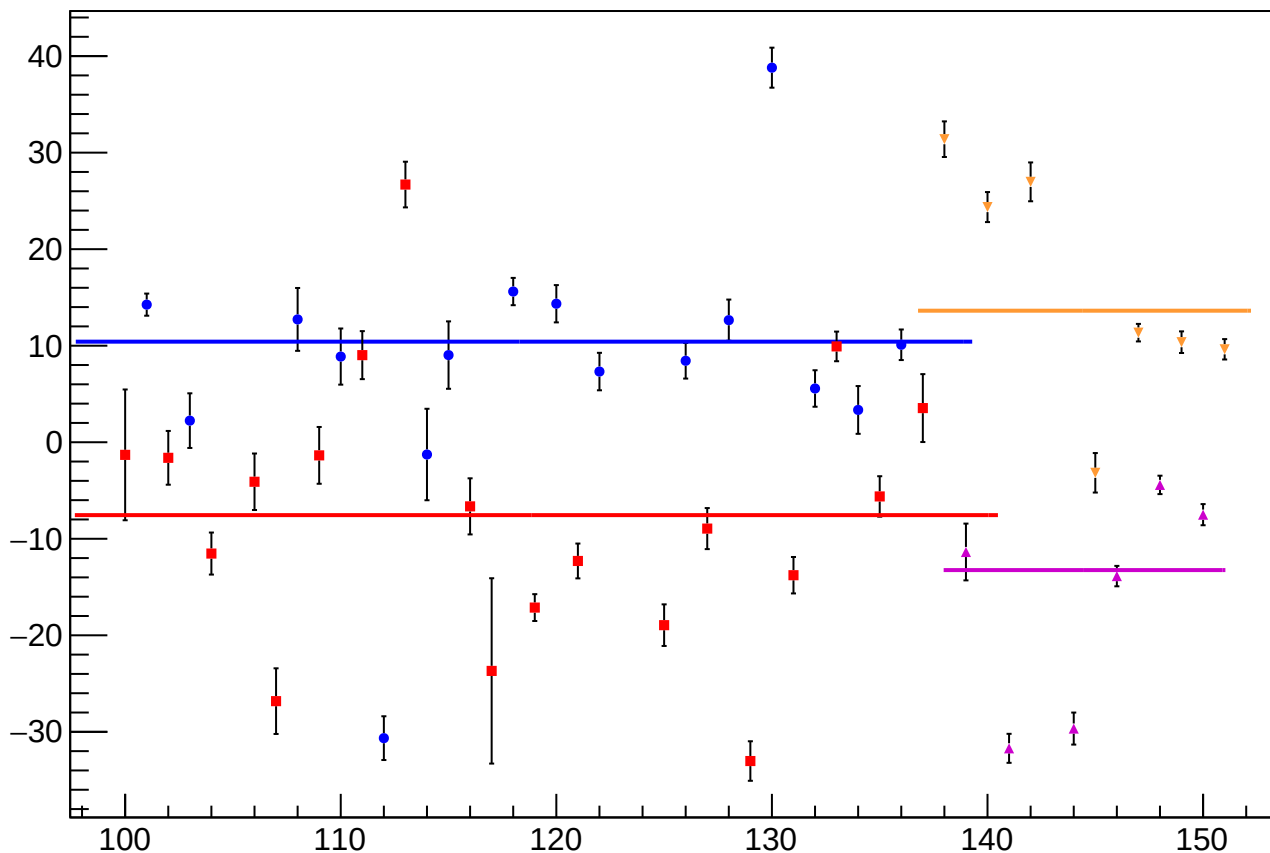
Left In: -79.824 $\pm$ 0.632 χ^2/NDF : 400.0/5

85.301 $\pm$ 0.488 χ^2/NDF : 4391.6/22

-0.126 $\pm$ 0.351 χ^2/NDF : 71439.0/47

-91.103 $\pm$ 0.504 χ^2/NDF : 3792.9/24

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: 13.627+/-0.494 χ^2/NDF : 280.8/6

Right Out: -7.550+/-0.522 χ^2/NDF : 692.3/18

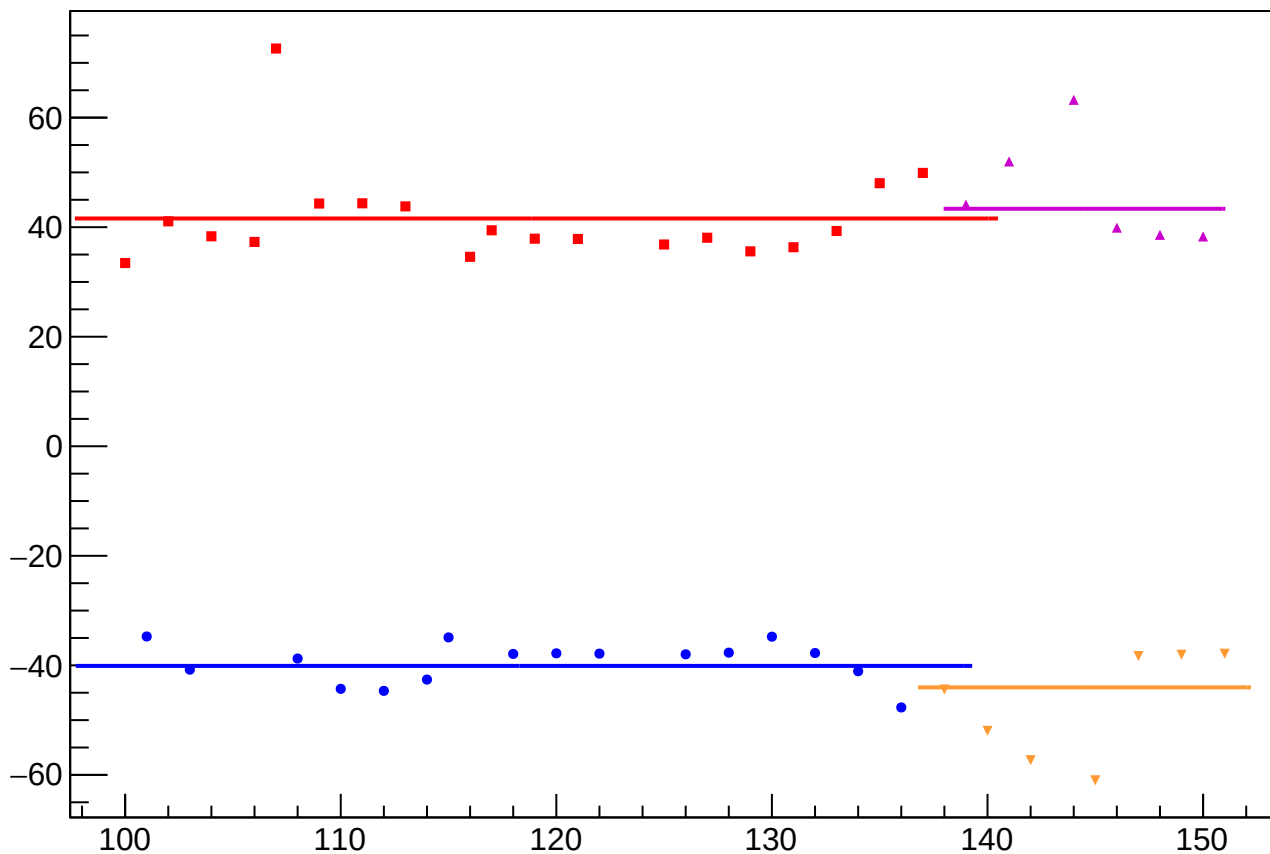
Left In: -13.244+/-0.516 χ^2/NDF : 362.8/5

12.034+/-0.351 χ^2/NDF : 881.5/22

1.327+/-0.254 χ^2/NDF : 3954.3/47

-10.430+/-0.367 χ^2/NDF : 1115.2/24

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.098 ± 0.028 $\chi^2/\text{NDF}: 25073.4/15$

Left Out: -44.022 ± 0.026 $\chi^2/\text{NDF}: 94425.6/6$

Right Out: 41.588 ± 0.029 $\chi^2/\text{NDF}: 61690.5/18$

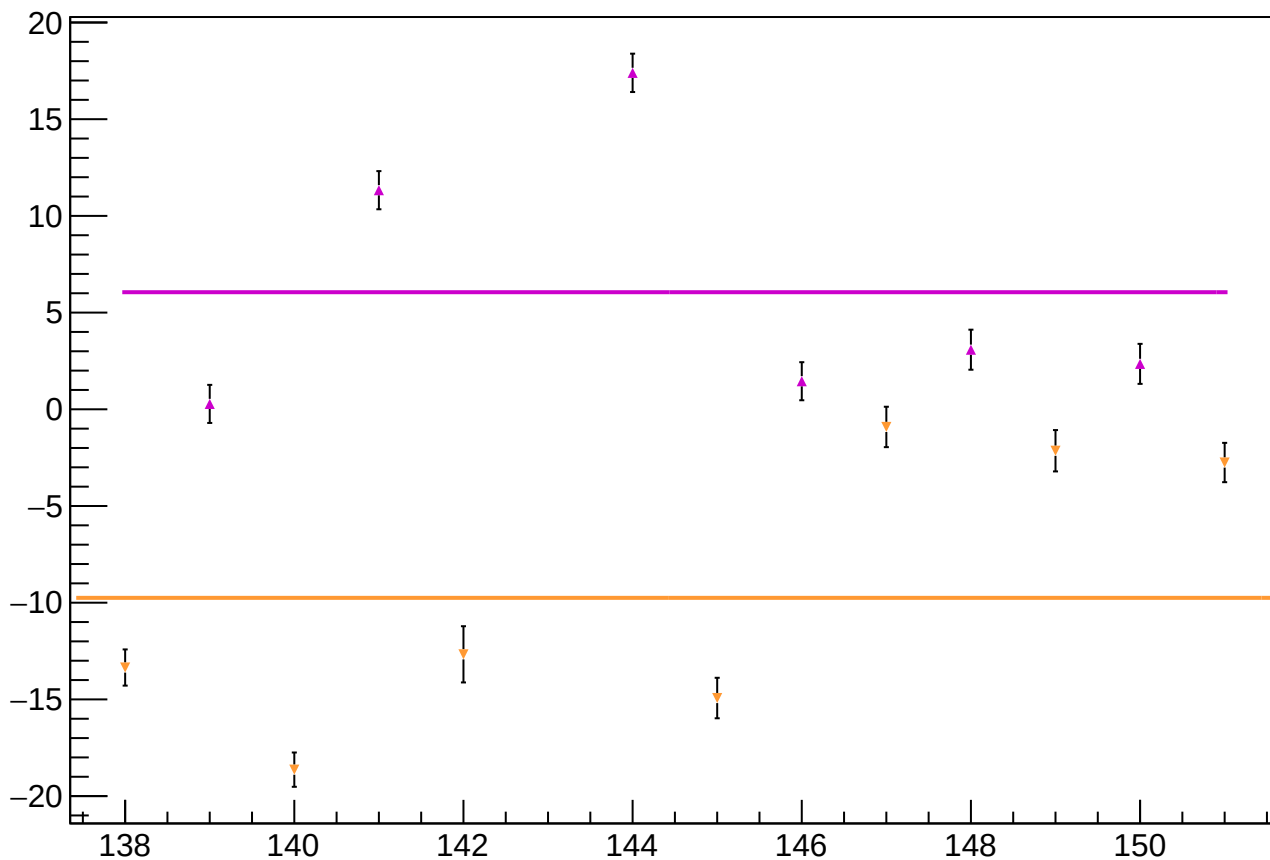
Left In: 43.357 ± 0.026 $\chi^2/\text{NDF}: 78491.5/5$

-42.204 ± 0.019 $\chi^2/\text{NDF}: 129803.1/22$

-0.102 ± 0.014 $\chi^2/\text{NDF}: 9875546.1/47$

42.541 ± 0.019 $\chi^2/\text{NDF}: 142250.2/24$

reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -9.749+/-0.390 χ^2/NDF : 313.3/6

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

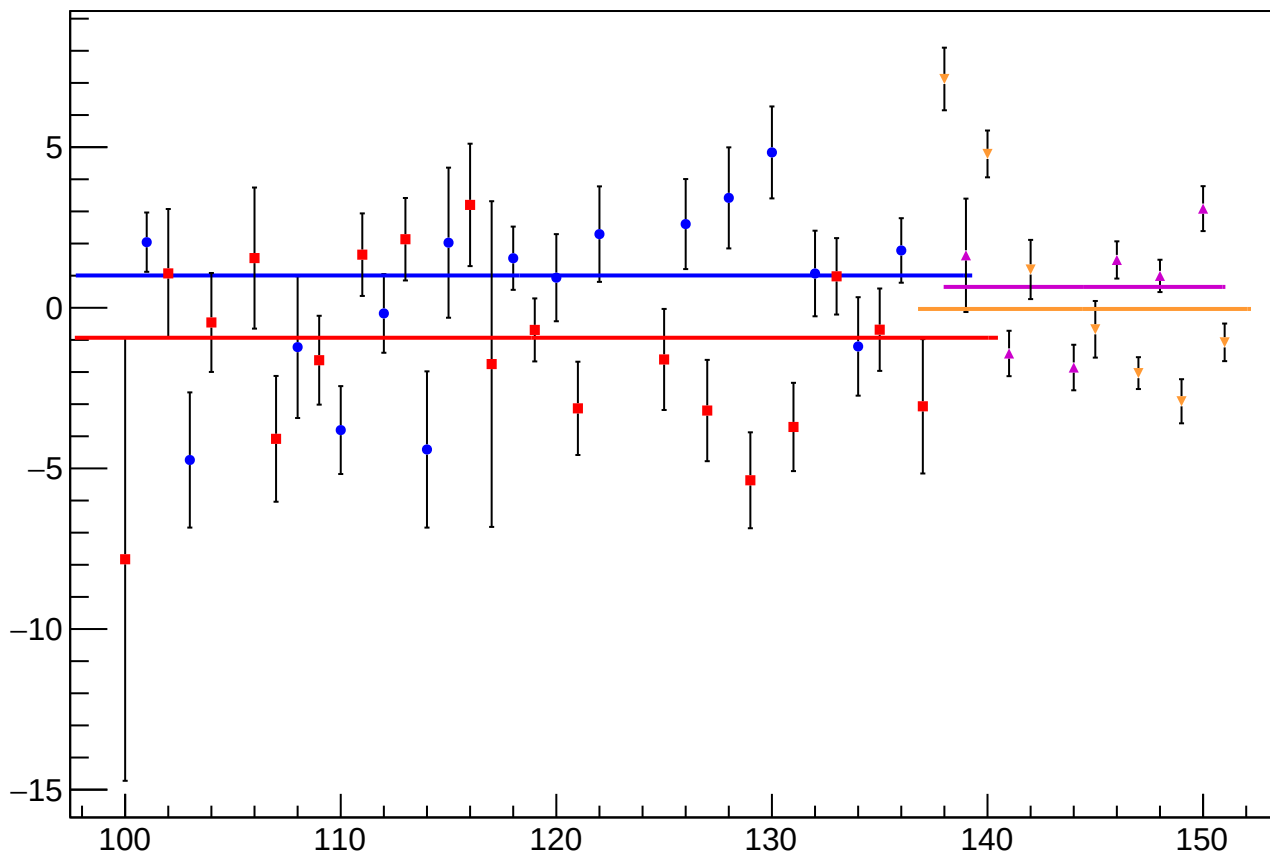
Left In: 6.054+/-0.409 χ^2/NDF : 236.7/5

-9.749+/-0.390 χ^2/NDF : 313.3/6

-2.215+/-0.282 χ^2/NDF : 1330.9/12

6.054+/-0.409 χ^2/NDF : 236.7/5

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.006 ± 0.342 χ^2/NDF : 42.7/15

Left Out: -0.036 ± 0.263 χ^2/NDF : 137.0/6

Right Out: -0.933 ± 0.352 χ^2/NDF : 41.9/18

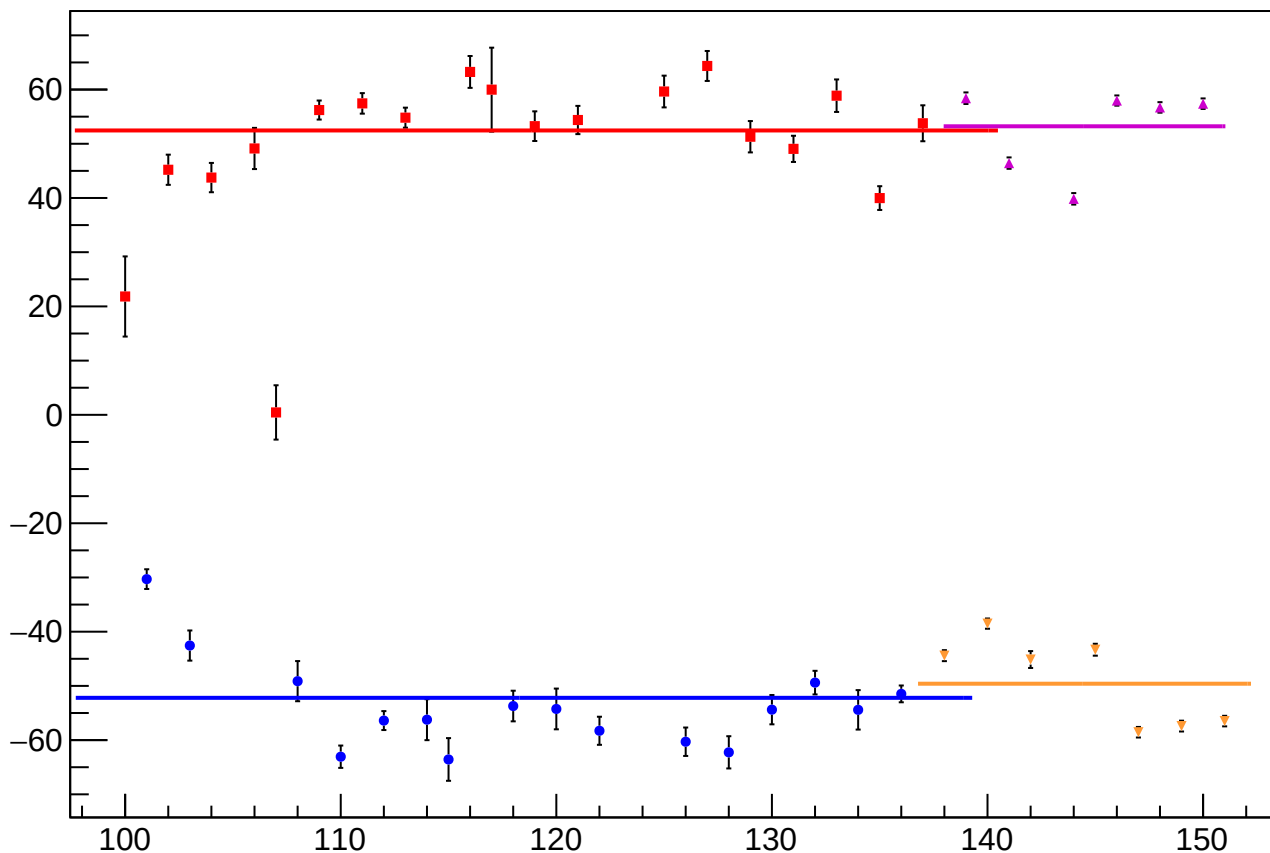
Left In: 0.650 ± 0.274 χ^2/NDF : 36.2/5

0.351 ± 0.208 χ^2/NDF : 185.6/22

0.208 ± 0.150 χ^2/NDF : 277.2/47

0.053 ± 0.216 χ^2/NDF : 90.6/24

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: -49.597 ± 0.394 χ^2/NDF : 399.9/6

Right Out: 52.455 ± 0.614 χ^2/NDF : 234.8/18

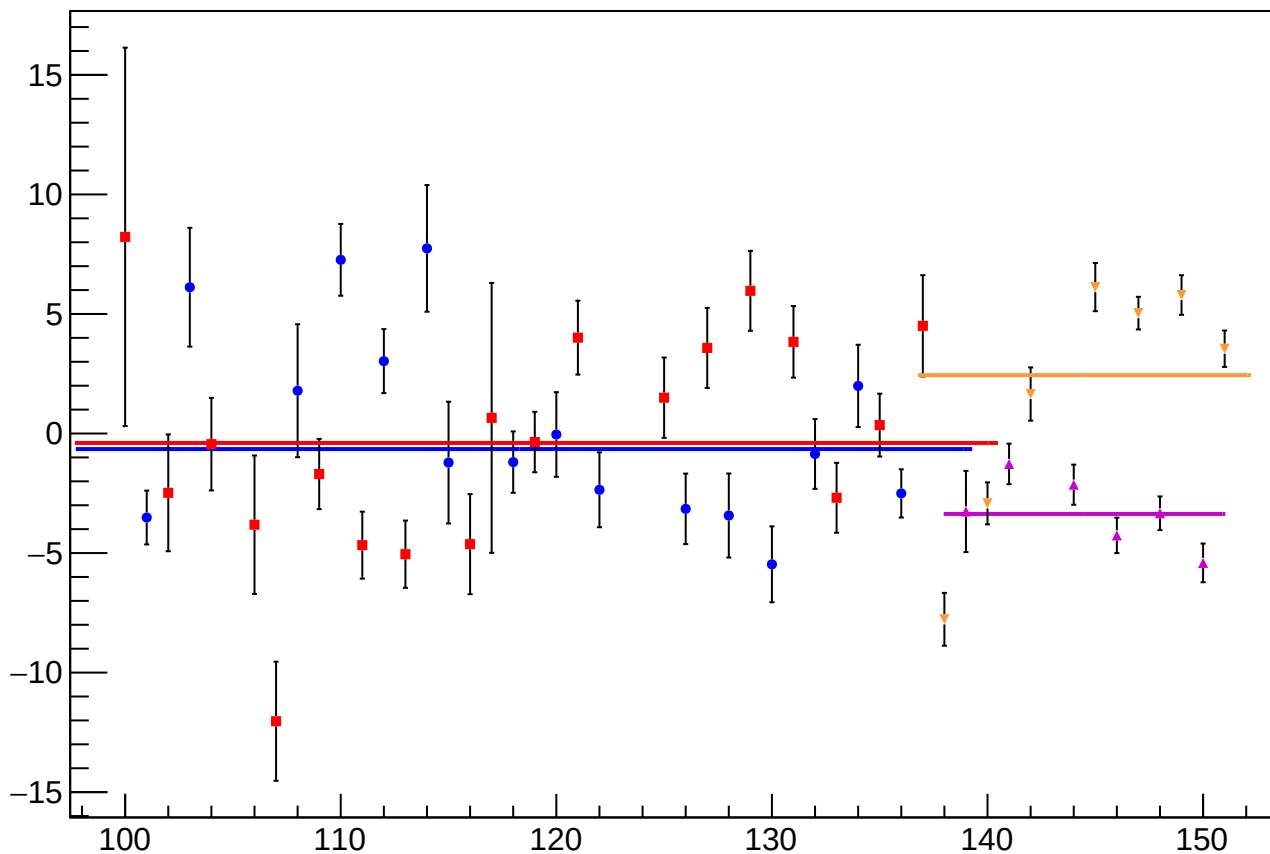
Left In: 53.224 ± 0.411 χ^2/NDF : 281.4/5

-50.355 ± 0.332 χ^2/NDF : 643.3/22

-0.150 ± 0.238 χ^2/NDF : 48303.0/47

52.986 ± 0.341 χ^2/NDF : 517.4/24

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: 2.441 ± 0.329 χ^2/NDF : 169.6/6

Right Out: -0.394 ± 0.398 χ^2/NDF : 95.9/18

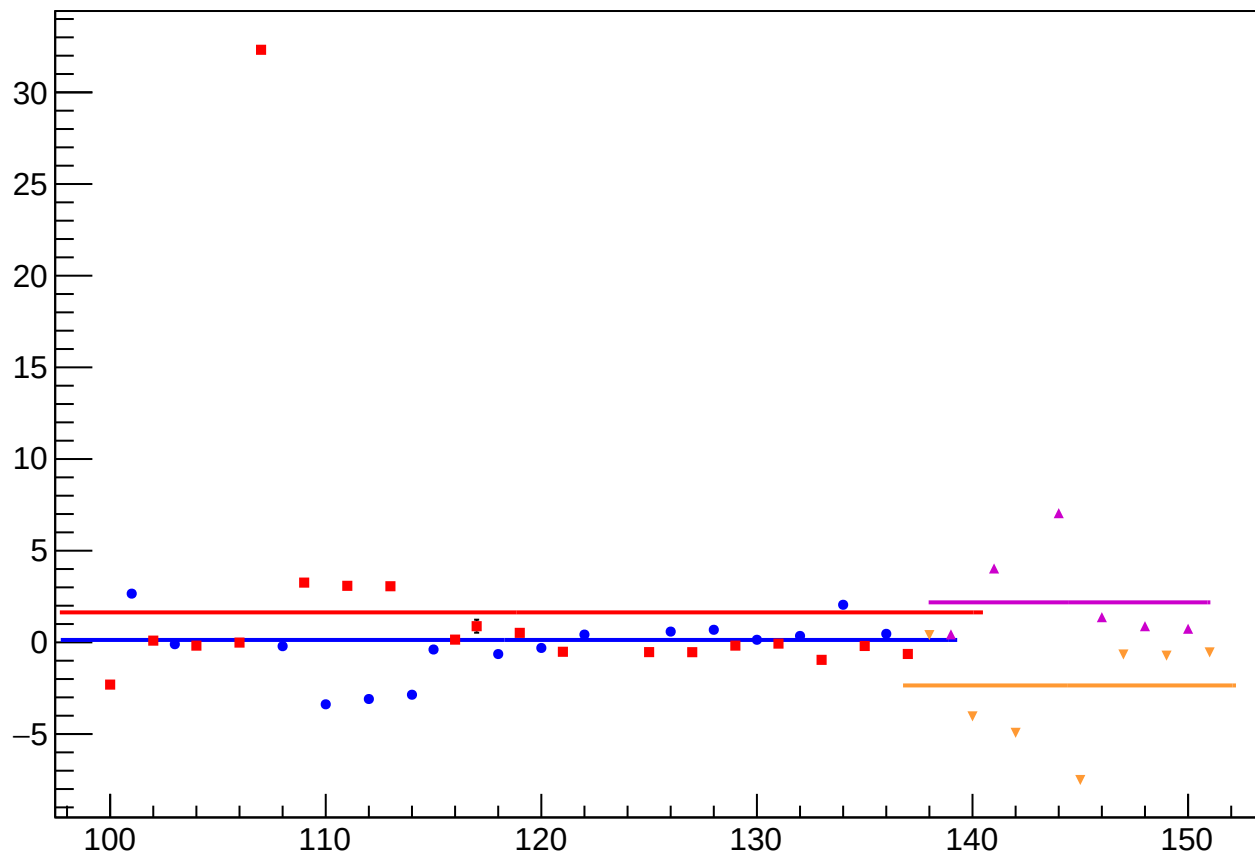
Left In: -3.364 ± 0.343 χ^2/NDF : 16.1/5

1.143 ± 0.251 χ^2/NDF : 288.6/22

-0.421 ± 0.180 χ^2/NDF : 513.3/47

-2.102 ± 0.260 χ^2/NDF : 143.9/24

reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.132 ± 0.022 χ^2/NDF : 5247.5/15

Left Out: -2.350 ± 0.017 χ^2/NDF : 27042.3/6

Right Out: 1.635 ± 0.022 χ^2/NDF : 77852.9/18

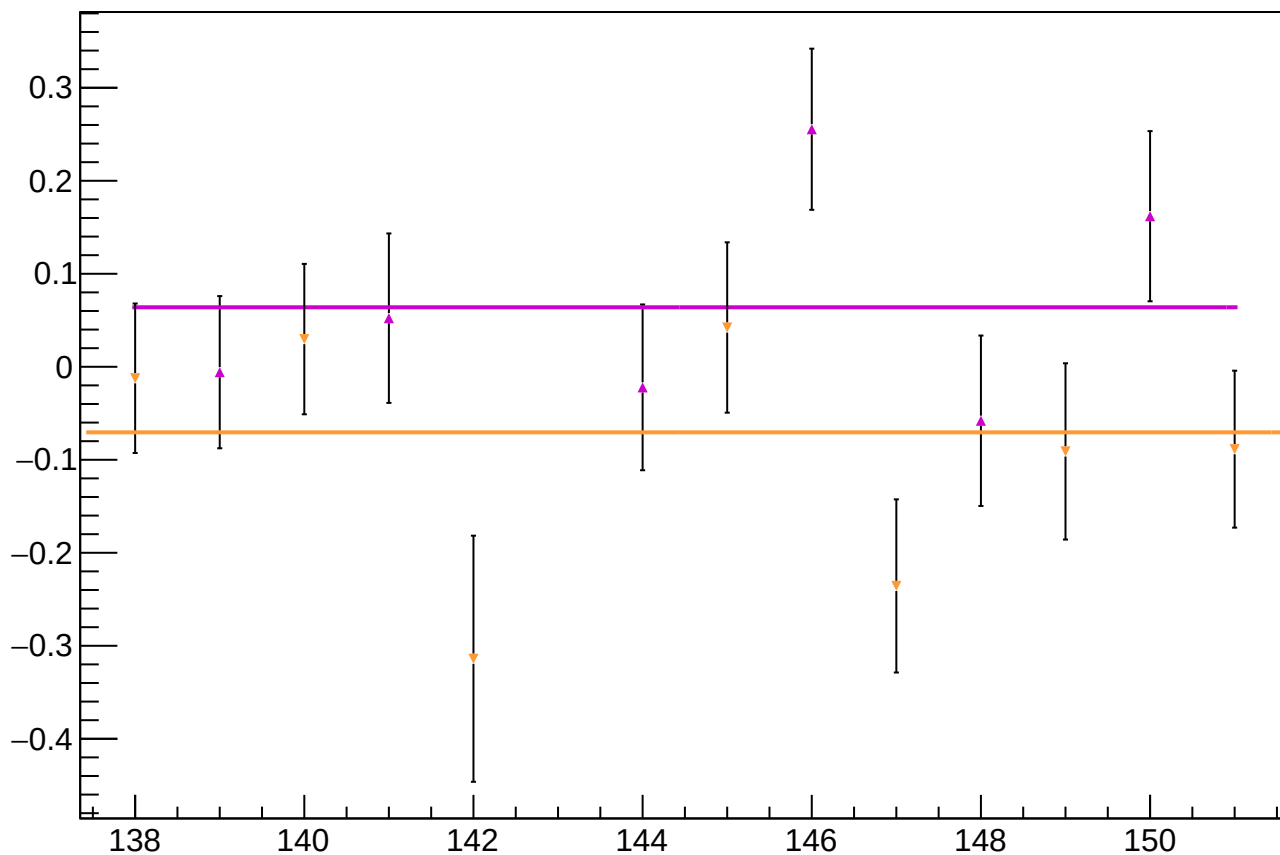
Left In: 2.182 ± 0.017 χ^2/NDF : 17677.8/5

-1.421 ± 0.013 χ^2/NDF : 40578.0/22

0.249 ± 0.009 χ^2/NDF : 169084.4/47

1.975 ± 0.013 χ^2/NDF : 95922.0/24

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: -0.070+/-0.034 χ^2/NDF : 10.2/6

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

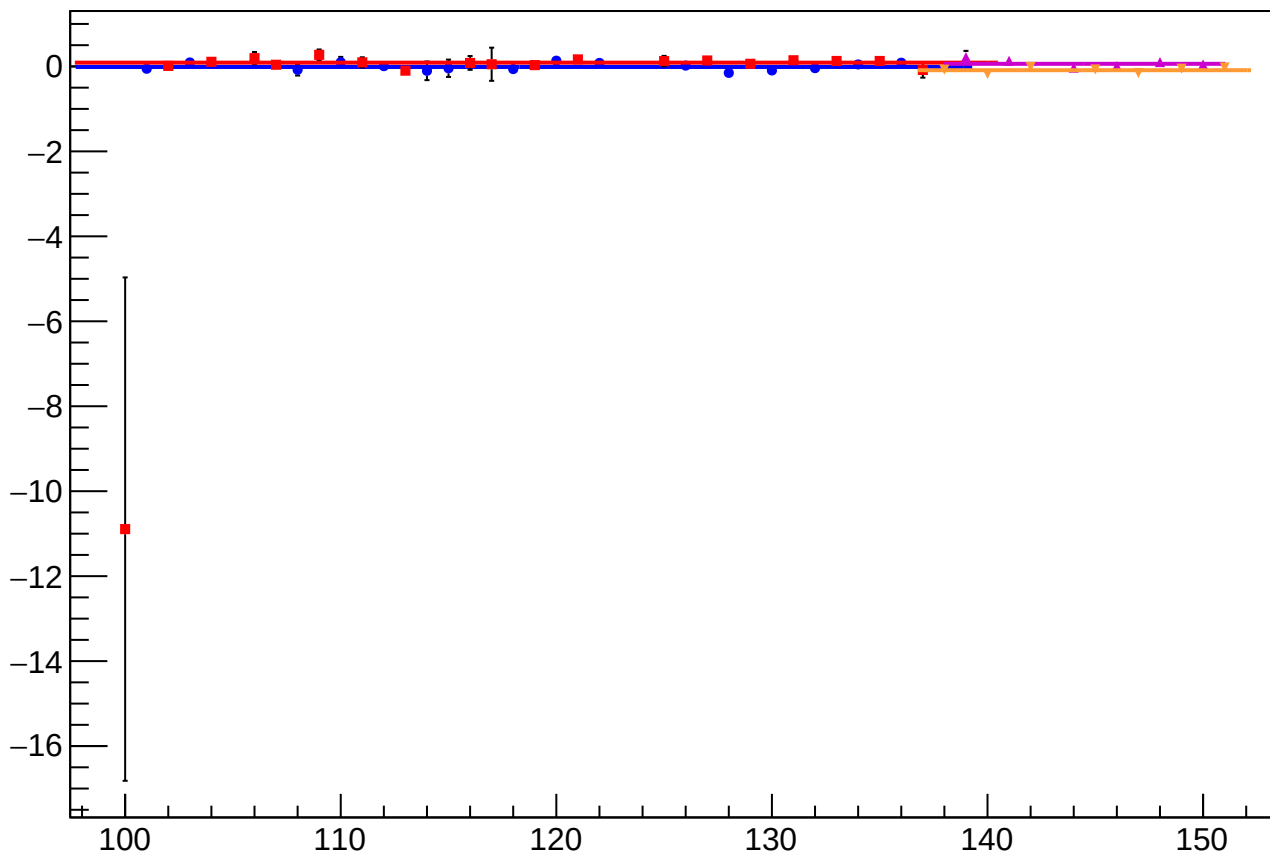
Left In: 0.064+/-0.036 χ^2/NDF : 9.5/5

-0.070+/-0.034 χ^2/NDF : 10.2/6

-0.007+/-0.025 χ^2/NDF : 27.0/12

0.064+/-0.036 χ^2/NDF : 9.5/5

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.023 χ^2/NDF : 11.7/15

Left Out: -0.089 ± 0.023 χ^2/NDF : 7.0/6

Right Out: 0.089 ± 0.025 χ^2/NDF : 13.0/18

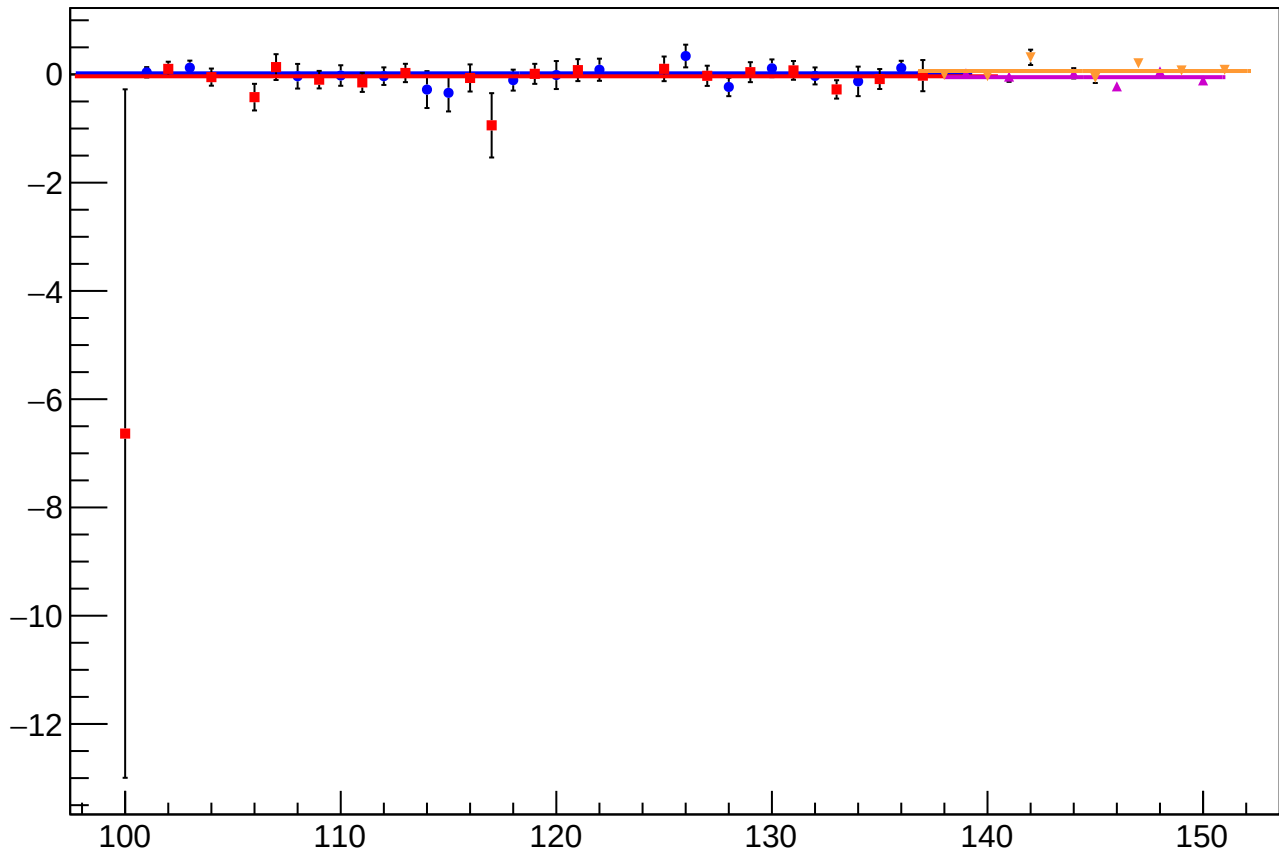
Left In: 0.061 ± 0.024 χ^2/NDF : 6.2/5

-0.052 ± 0.016 χ^2/NDF : 24.0/22

0.008 ± 0.012 χ^2/NDF : 72.0/47

0.075 ± 0.017 χ^2/NDF : 19.9/24

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: 0.063 ± 0.035 χ^2/NDF : 9.6/6

Right Out: -0.035 ± 0.045 χ^2/NDF : 11.6/18

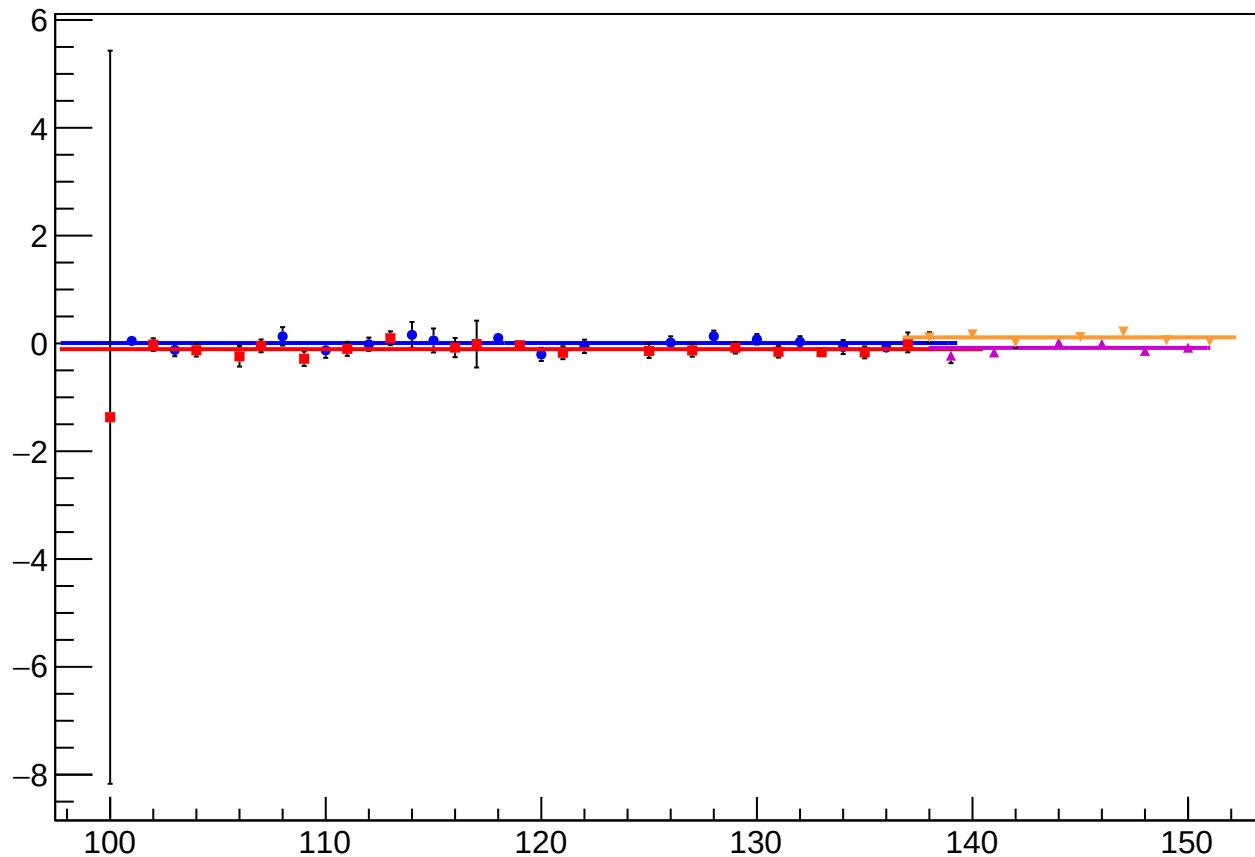
Left In: -0.051 ± 0.036 χ^2/NDF : 7.5/5

0.046 ± 0.027 χ^2/NDF : 19.3/22

0.003 ± 0.019 χ^2/NDF : 43.8/47

-0.045 ± 0.028 χ^2/NDF : 19.1/24

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: 0.112 ± 0.029 χ^2/NDF : 6.2/6

Right Out: -0.106 ± 0.029 χ^2/NDF : 8.2/18

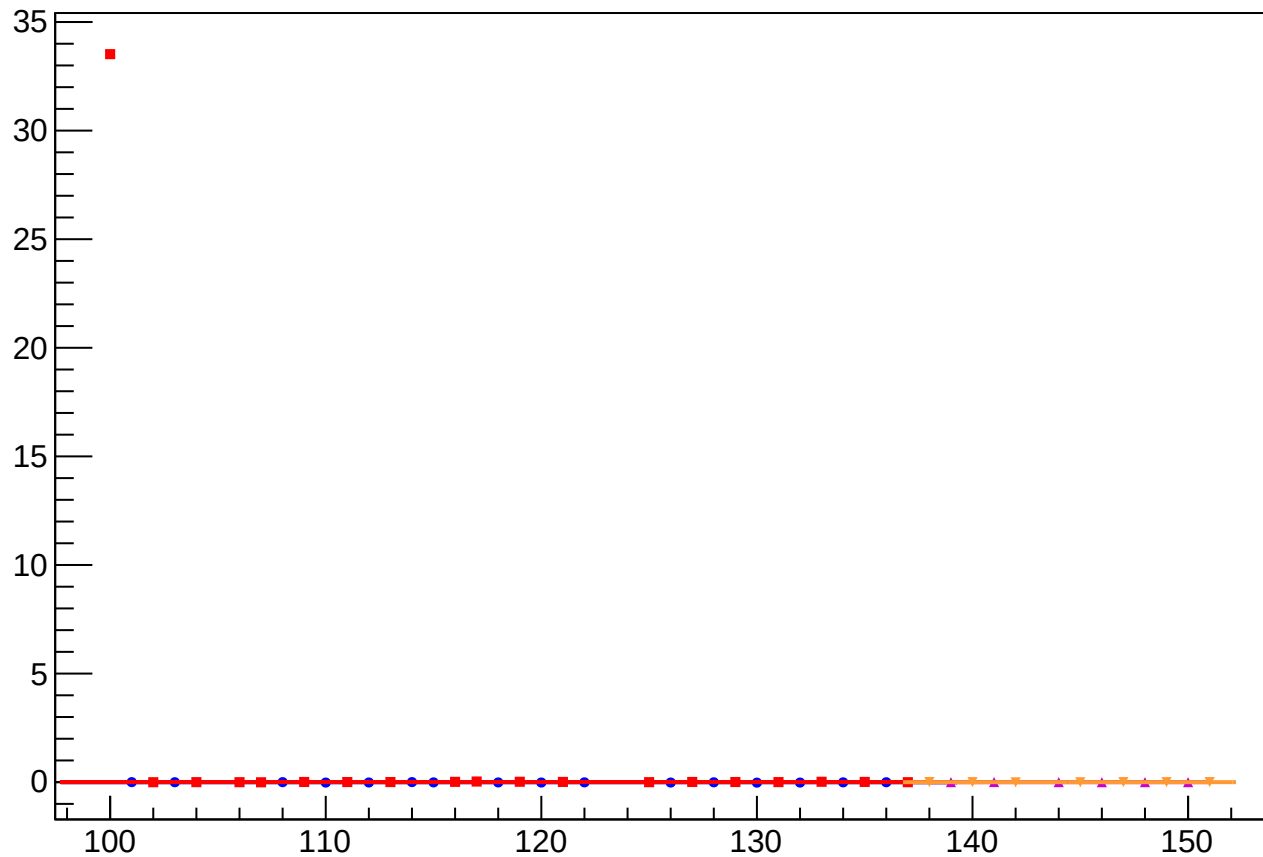
Left In: -0.083 ± 0.031 χ^2/NDF : 6.0/5

0.057 ± 0.020 χ^2/NDF : 24.5/22

-0.015 ± 0.014 χ^2/NDF : 66.9/47

-0.095 ± 0.021 χ^2/NDF : 14.5/24

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005 $\pm$ 0.001 χ^2 /NDF: 21.8/15

Left Out: 0.001 $\pm$ 0.001 χ^2 /NDF: 6.6/6

Right Out: 0.006 $\pm$ 0.001 χ^2 /NDF: 26509.5/18

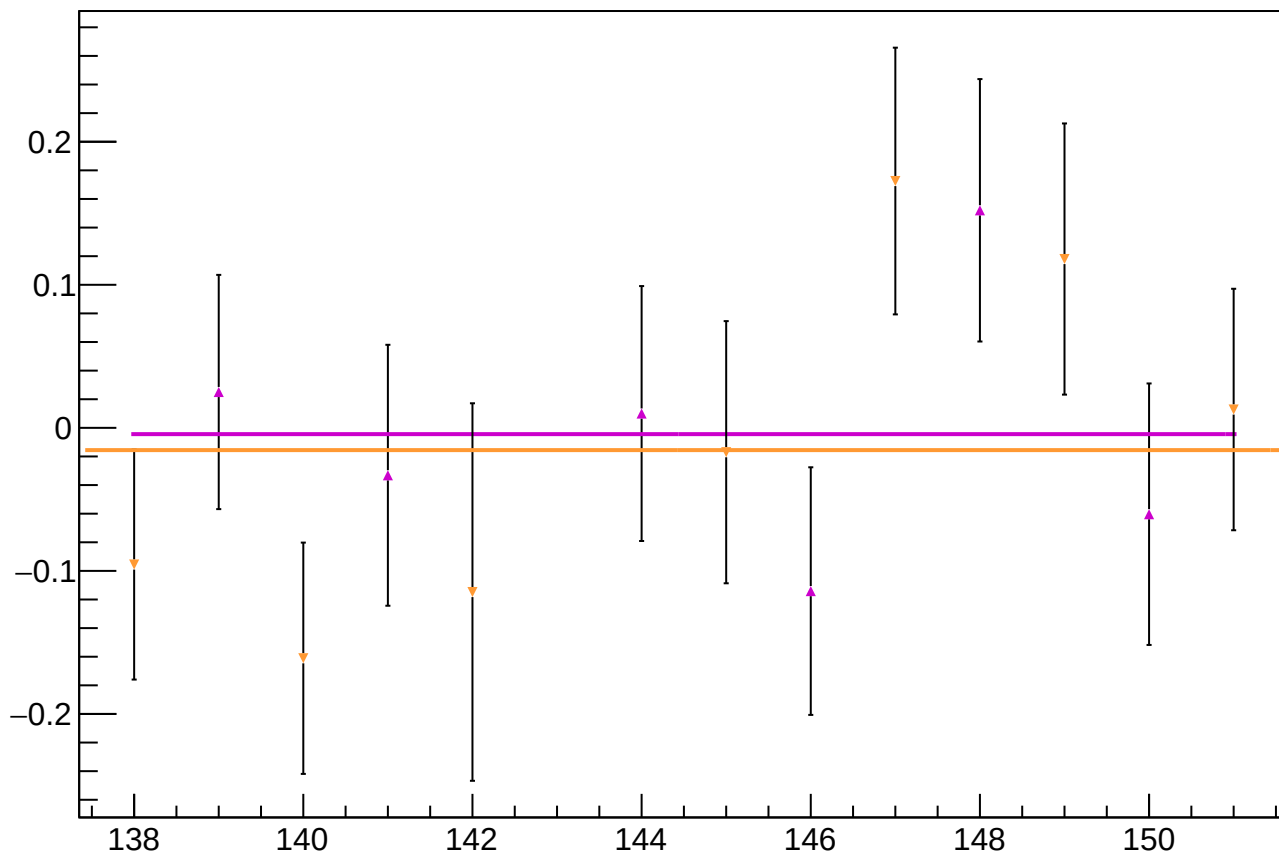
Left In: 0.002 $\pm$ 0.001 χ^2 /NDF: 3.0/5

-0.002 $\pm$ 0.001 χ^2 /NDF: 37.1/22

0.001 $\pm$ 0.001 χ^2 /NDF: 26571.7/47

0.004 $\pm$ 0.001 χ^2 /NDF: 26516.5/24

reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.016+/-0.034 χ^2/NDF : 11.0/6

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

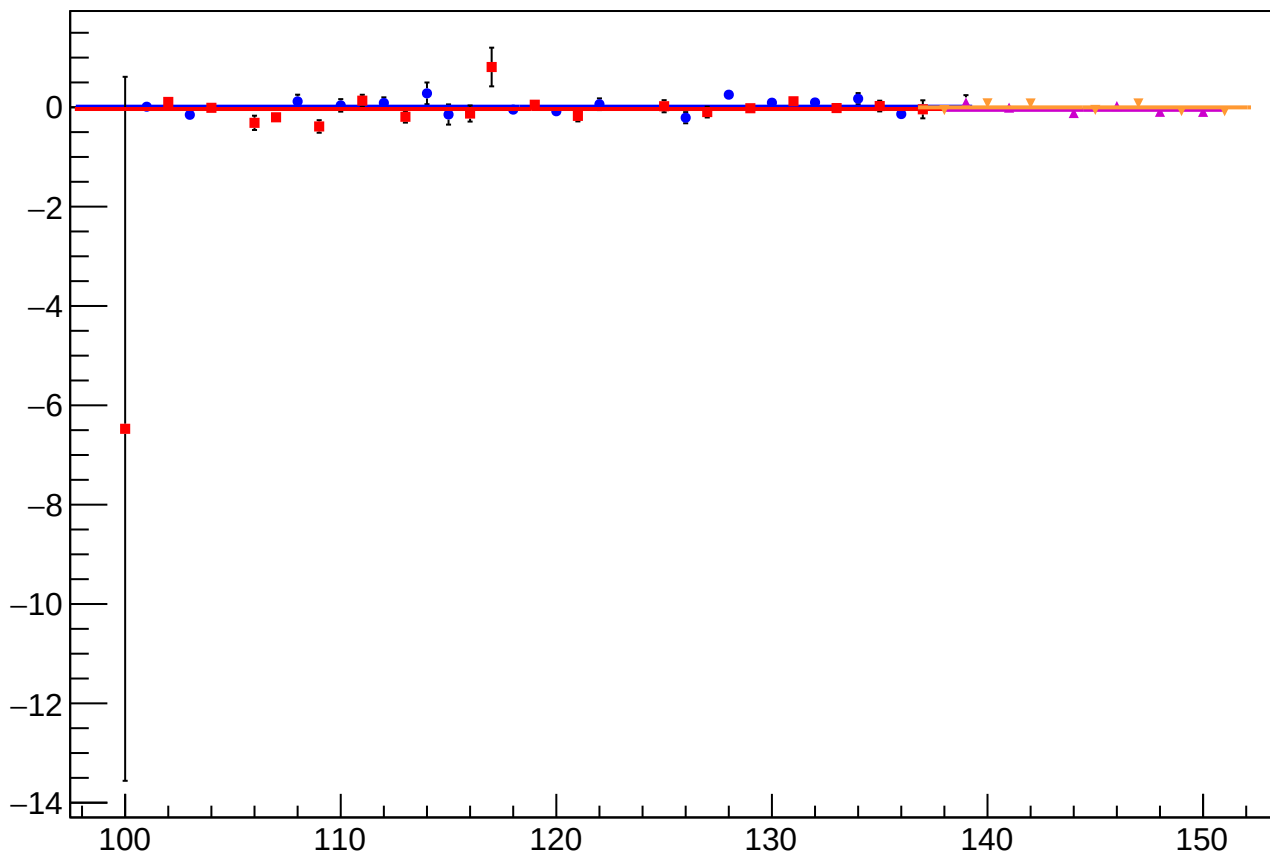
Left In: -0.004+/-0.036 χ^2/NDF : 5.1/5

-0.016+/-0.034 χ^2/NDF : 11.0/6

-0.010+/-0.025 χ^2/NDF : 16.2/12

-0.004+/-0.036 χ^2/NDF : 5.1/5

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.012 ± 0.023 χ^2/NDF : 25.0/15

Left Out: -0.002 ± 0.023 χ^2/NDF : 10.6/6

Right Out: -0.035 ± 0.025 χ^2/NDF : 33.2/18

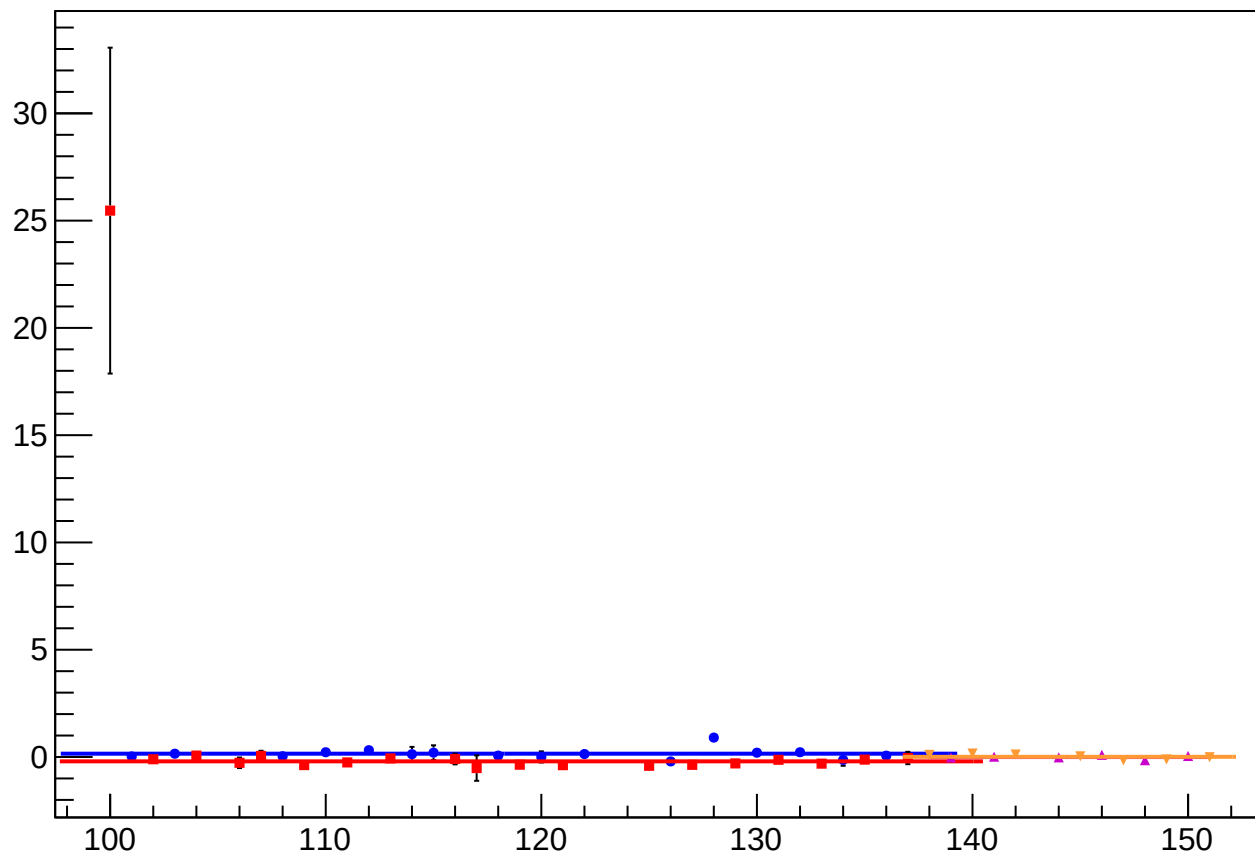
Left In: -0.051 ± 0.024 χ^2/NDF : 6.0/5

0.005 ± 0.016 χ^2/NDF : 35.8/22

-0.018 ± 0.012 χ^2/NDF : 79.2/47

-0.043 ± 0.017 χ^2/NDF : 39.4/24

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: 0.008 ± 0.035 $\chi^2/\text{NDF}: 10.6/6$

Right Out: -0.203 ± 0.045 $\chi^2/\text{NDF}: 22.9/18$

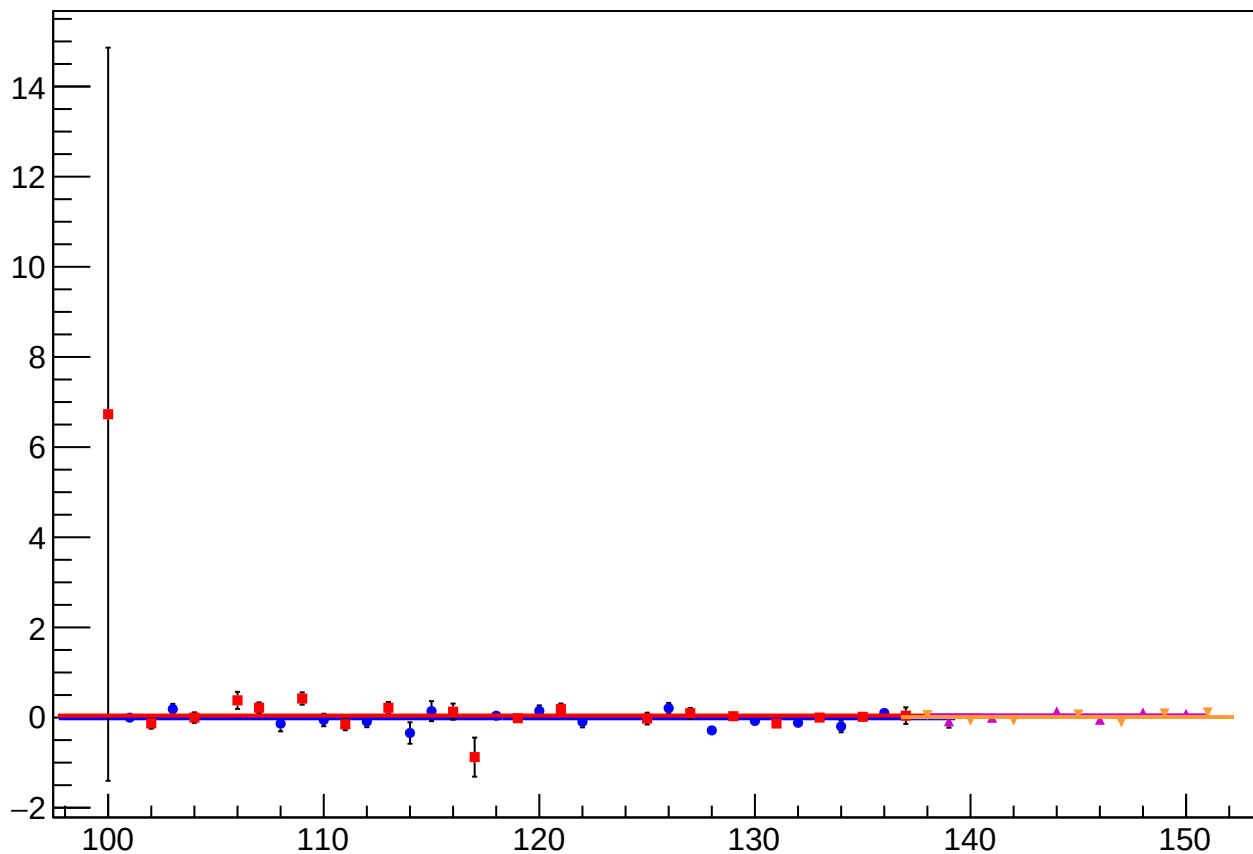
Left In: -0.002 ± 0.036 $\chi^2/\text{NDF}: 5.0/5$

0.066 ± 0.027 $\chi^2/\text{NDF}: 45.5/22$

-0.005 ± 0.019 $\chi^2/\text{NDF}: 99.7/47$

-0.081 ± 0.028 $\chi^2/\text{NDF}: 39.9/24$

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: 0.012+/-0.029 χ^2 /NDF:10.1/6

Right Out: 0.044+/-0.029 χ^2 /NDF: 30.5/18

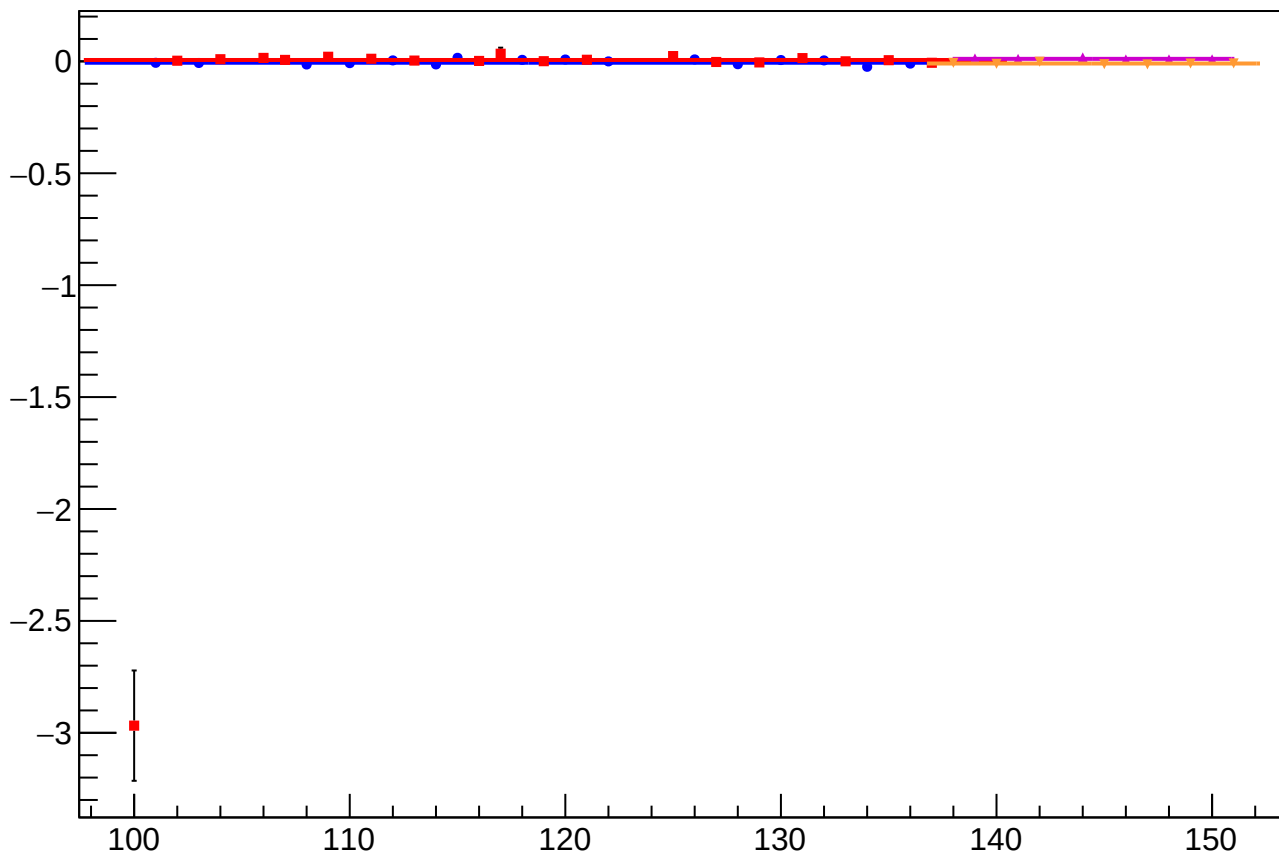
Left In: 0.049+/-0.031 χ^2 /NDF:6.2/5

-0.003+/-0.020 χ^2 /NDF: 34.9/22

0.021+/-0.014 χ^2 /NDF: 74.6/47

0.047+/-0.021 χ^2 /NDF: 36.7/24

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006 ± 0.001 $\chi^2/\text{NDF}: 27.3/15$

Left Out: -0.010 ± 0.001 $\chi^2/\text{NDF}: 4.5/6$

Right Out: 0.006 ± 0.001 $\chi^2/\text{NDF}: 167.0/18$

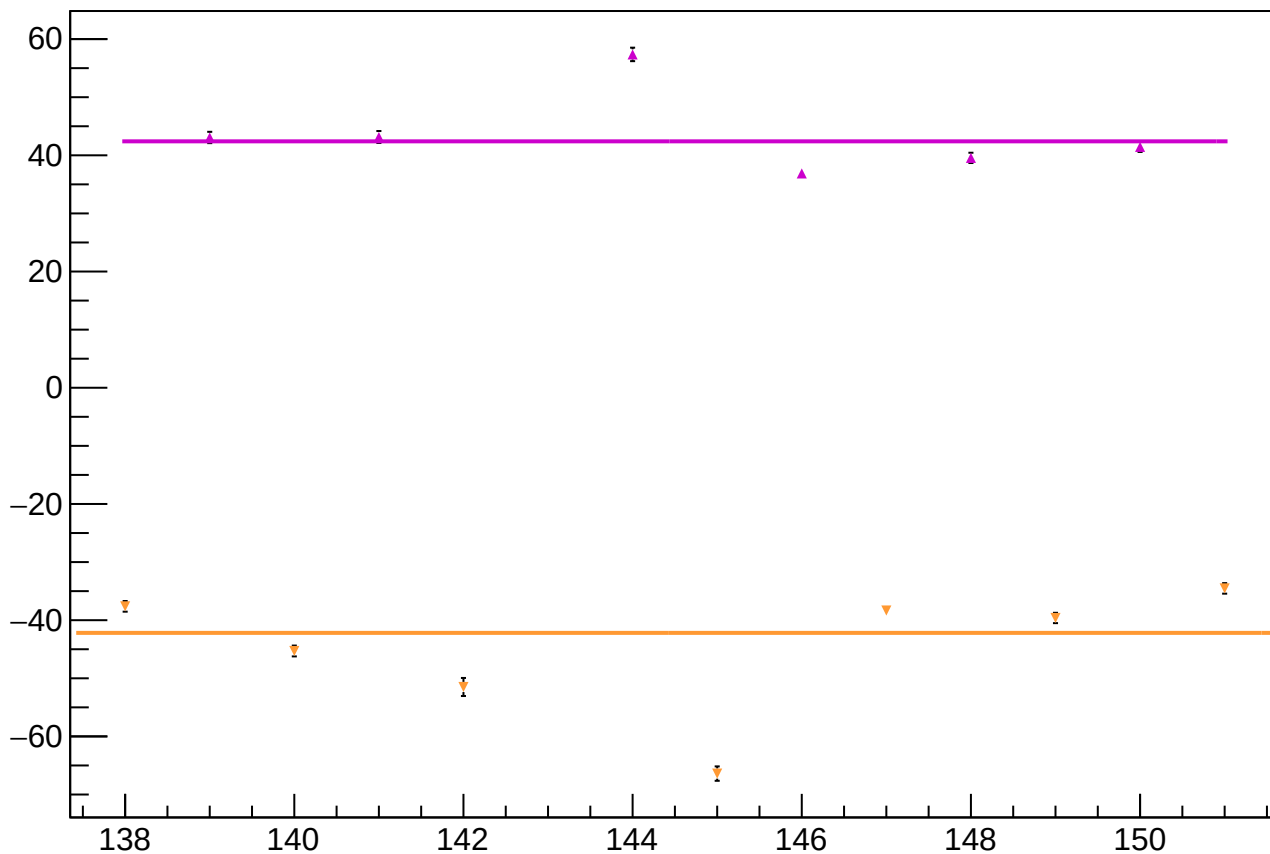
Left In: 0.011 ± 0.001 $\chi^2/\text{NDF}: 4.1/5$

-0.008 ± 0.001 $\chi^2/\text{NDF}: 34.7/22$

0.000 ± 0.001 $\chi^2/\text{NDF}: 337.6/47$

0.009 ± 0.001 $\chi^2/\text{NDF}: 176.9/24$

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: -42.183+/-0.372 χ^2/NDF : 553.3/6

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

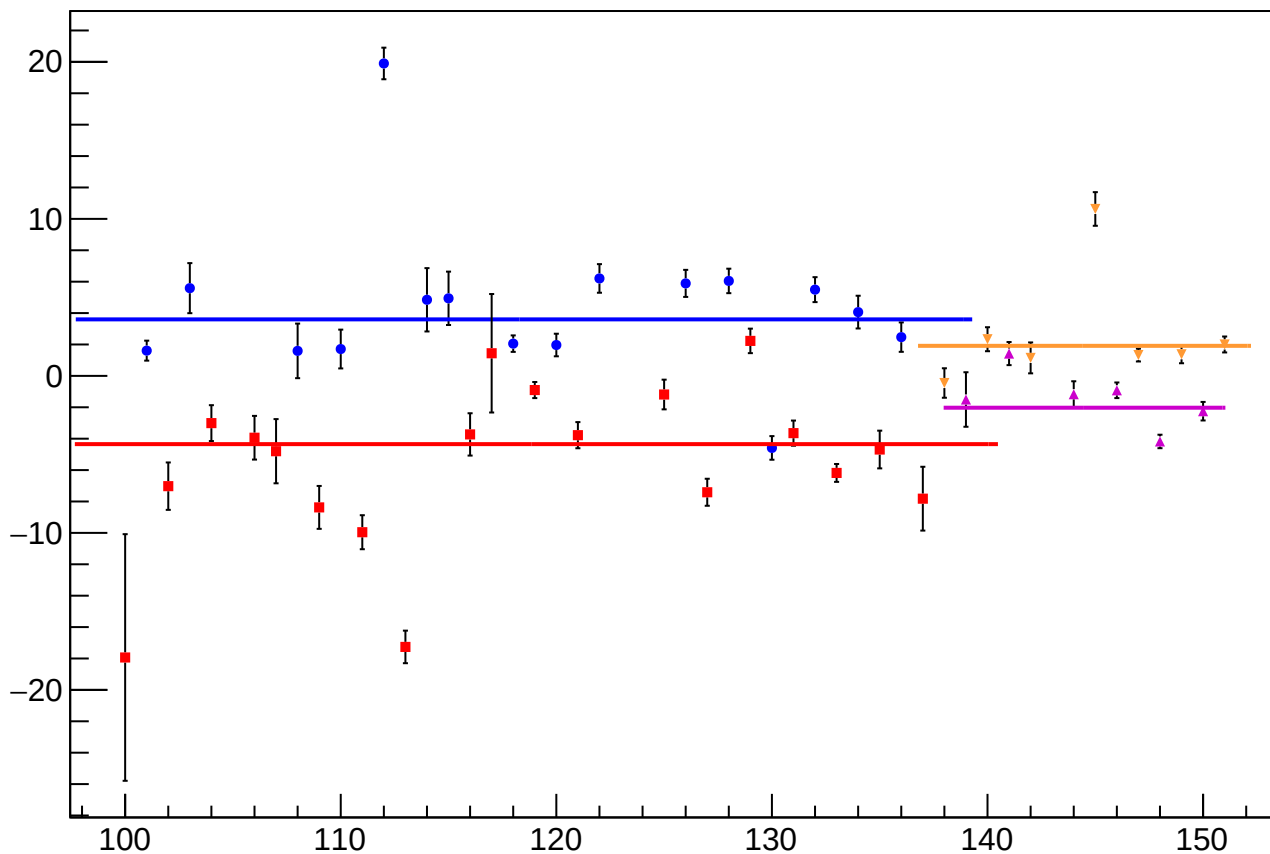
Left In: 42.405+/-0.386 χ^2/NDF : 220.8/5

-42.183+/-0.372 χ^2/NDF : 553.3/6

-1.494+/-0.268 χ^2/NDF : 25676.0/12

42.405+/-0.386 χ^2/NDF : 220.8/5

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: 1.914 ± 0.238 χ^2/NDF : 76.5/6

Right Out: -4.347 ± 0.224 χ^2/NDF : 355.4/18

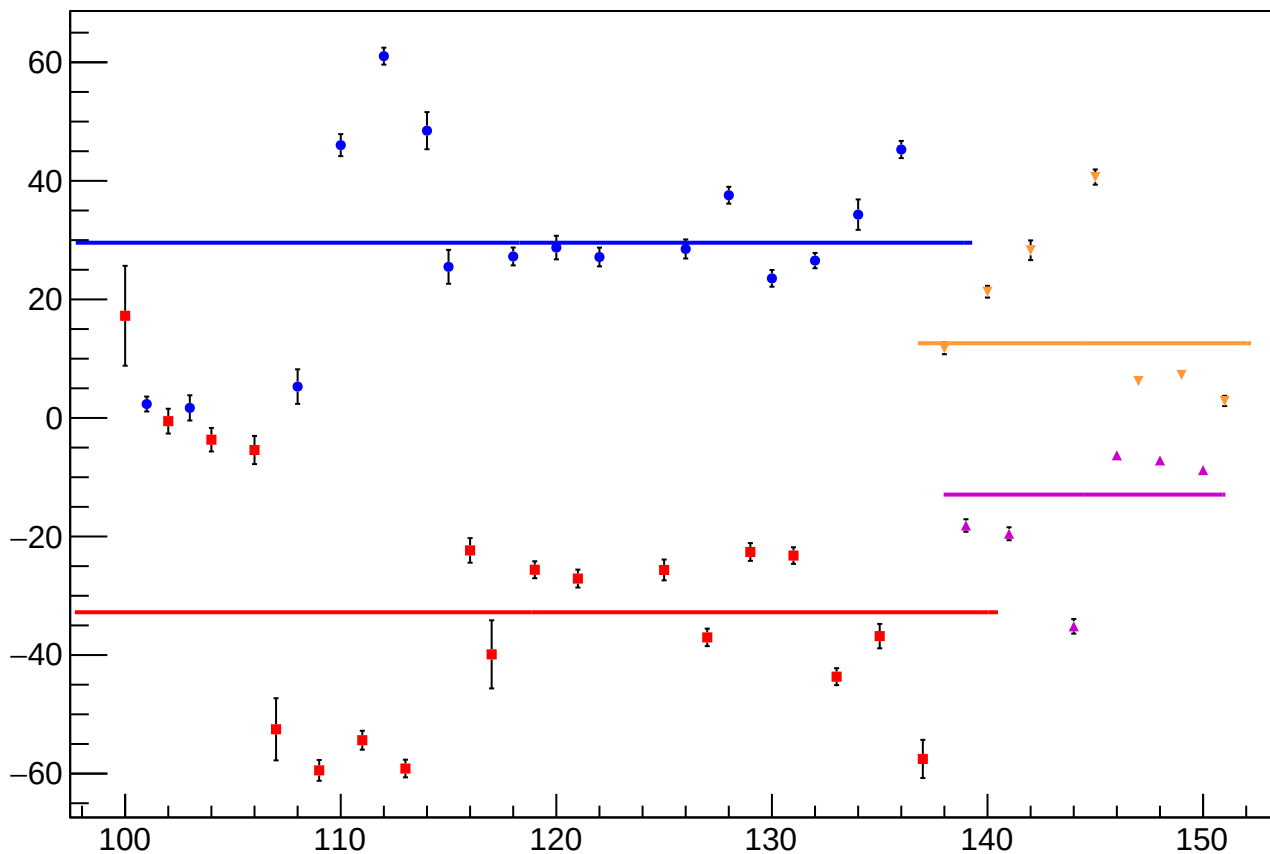
Left In: -2.028 ± 0.250 χ^2/NDF : 53.4/5

2.820 ± 0.162 χ^2/NDF : 546.9/22

-0.145 ± 0.116 χ^2/NDF : 1699.7/47

-3.312 ± 0.167 χ^2/NDF : 456.5/24

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.564+/-0.420 χ^2/NDF : 1494.6/15

Left Out: 12.603+/-0.370 χ^2/NDF : 871.9/6

Right Out: -32.780+/-0.422 χ^2/NDF : 1664.8/18

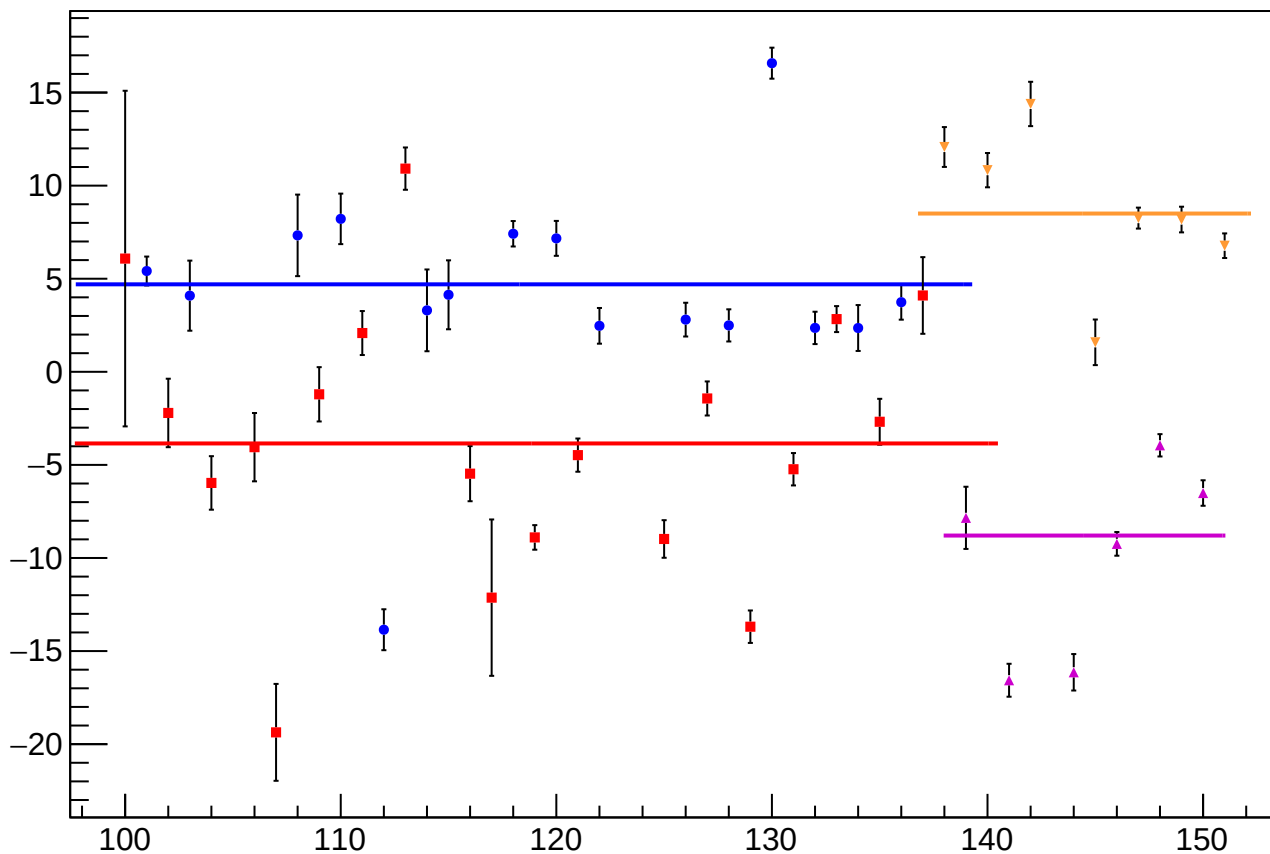
Left In: -12.931+/-0.382 χ^2/NDF : 521.8/5

20.016+/-0.277 χ^2/NDF : 3286.6/22

-0.498+/-0.198 χ^2/NDF : 17863.6/47

-21.889+/-0.283 χ^2/NDF : 3402.8/24

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: 8.501 ± 0.302 χ^2/NDF : 81.1/6

Right Out: -3.848 ± 0.258 χ^2/NDF : 571.5/18

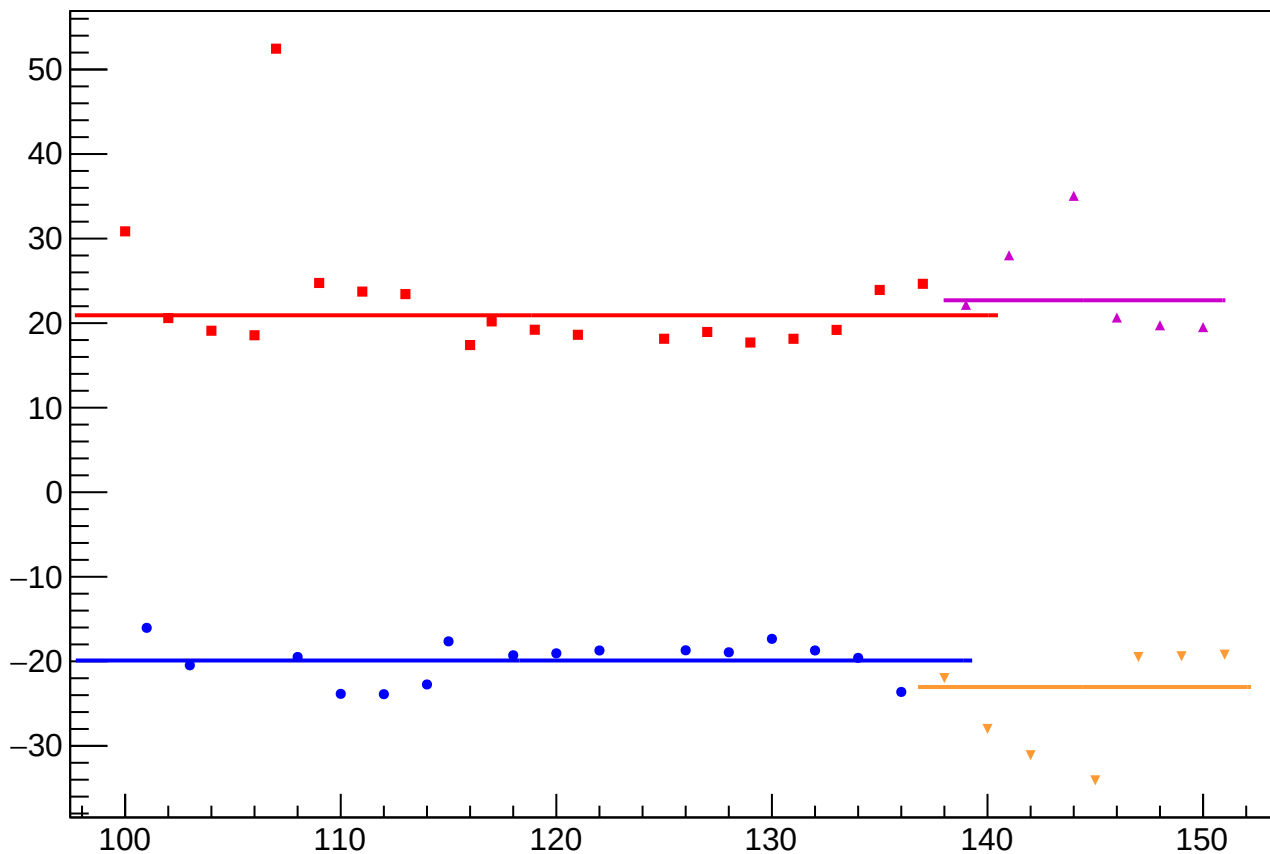
Left In: -8.795 ± 0.315 χ^2/NDF : 210.8/5

6.275 ± 0.194 χ^2/NDF : 722.9/22

0.383 ± 0.139 χ^2/NDF : 3540.5/47

-5.832 ± 0.200 χ^2/NDF : 929.7/24

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: -23.039 ± 0.016 $\chi^2/\text{NDF}: 104791.6/6$

Right Out: 20.928 ± 0.016 $\chi^2/\text{NDF}: 94015.9/18$

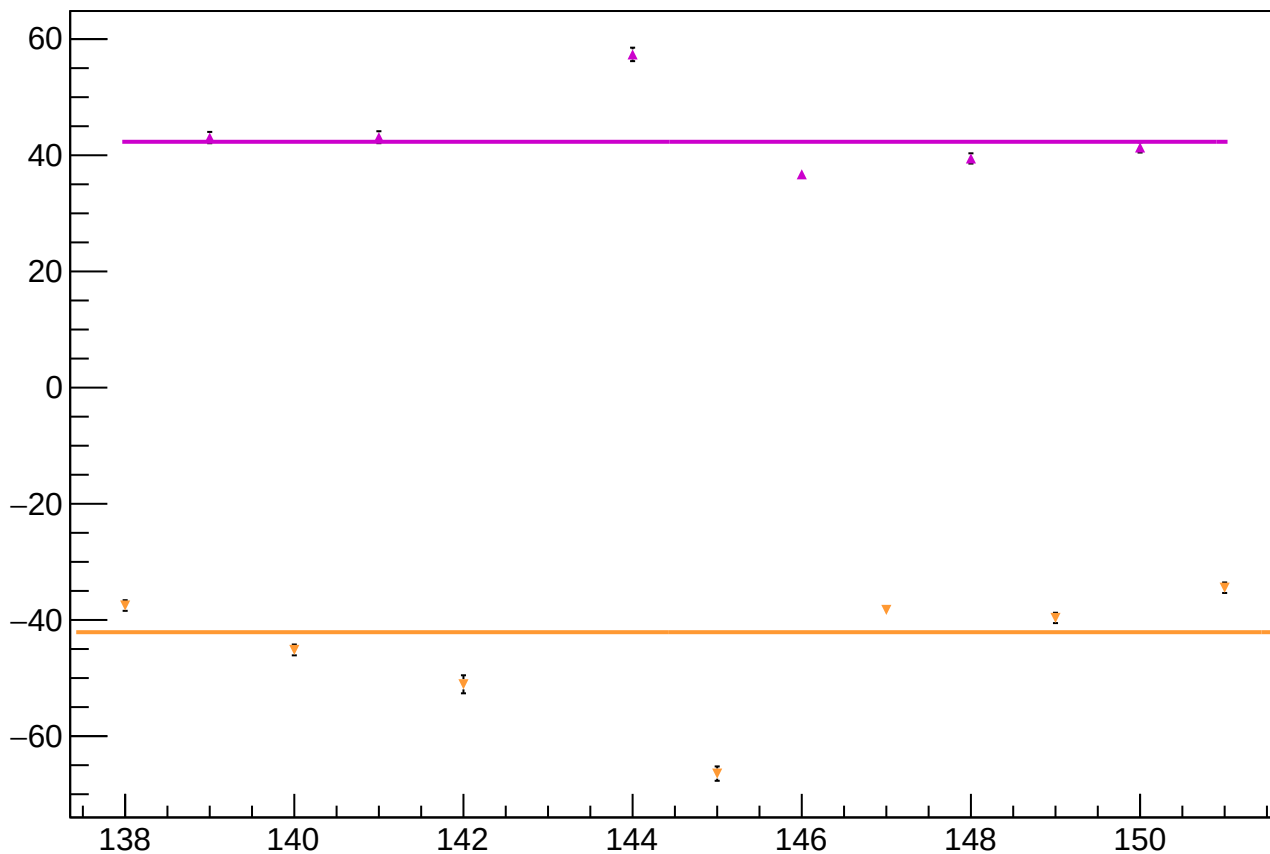
Left In: 22.701 ± 0.016 $\chi^2/\text{NDF}: 84612.2/5$

-21.450 ± 0.011 $\chi^2/\text{NDF}: 150671.8/22$

0.093 ± 0.008 $\chi^2/\text{NDF}: 7844928.7/47$

21.801 ± 0.011 $\chi^2/\text{NDF}: 184908.2/24$

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: -42.104+/-0.372 χ^2/NDF : 554.5/6

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

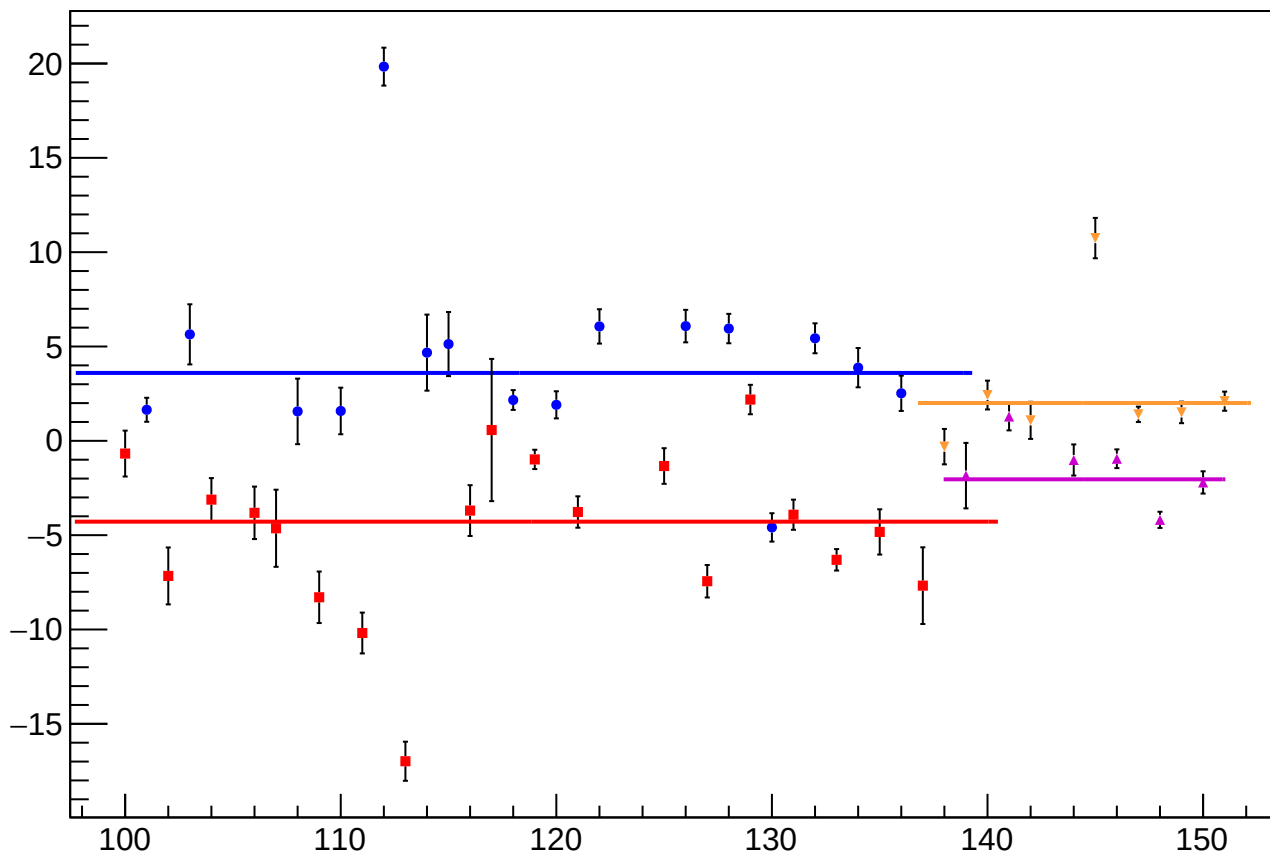
Left In: 42.322+/-0.386 χ^2/NDF : 224.4/5

-42.104+/-0.372 χ^2/NDF : 554.5/6

-1.490+/-0.268 χ^2/NDF : 25615.5/12

42.322+/-0.386 χ^2/NDF : 224.4/5

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: 2.006 ± 0.238 χ^2/NDF : 76.9/6

Right Out: -4.284 ± 0.221 χ^2/NDF : 353.8/18

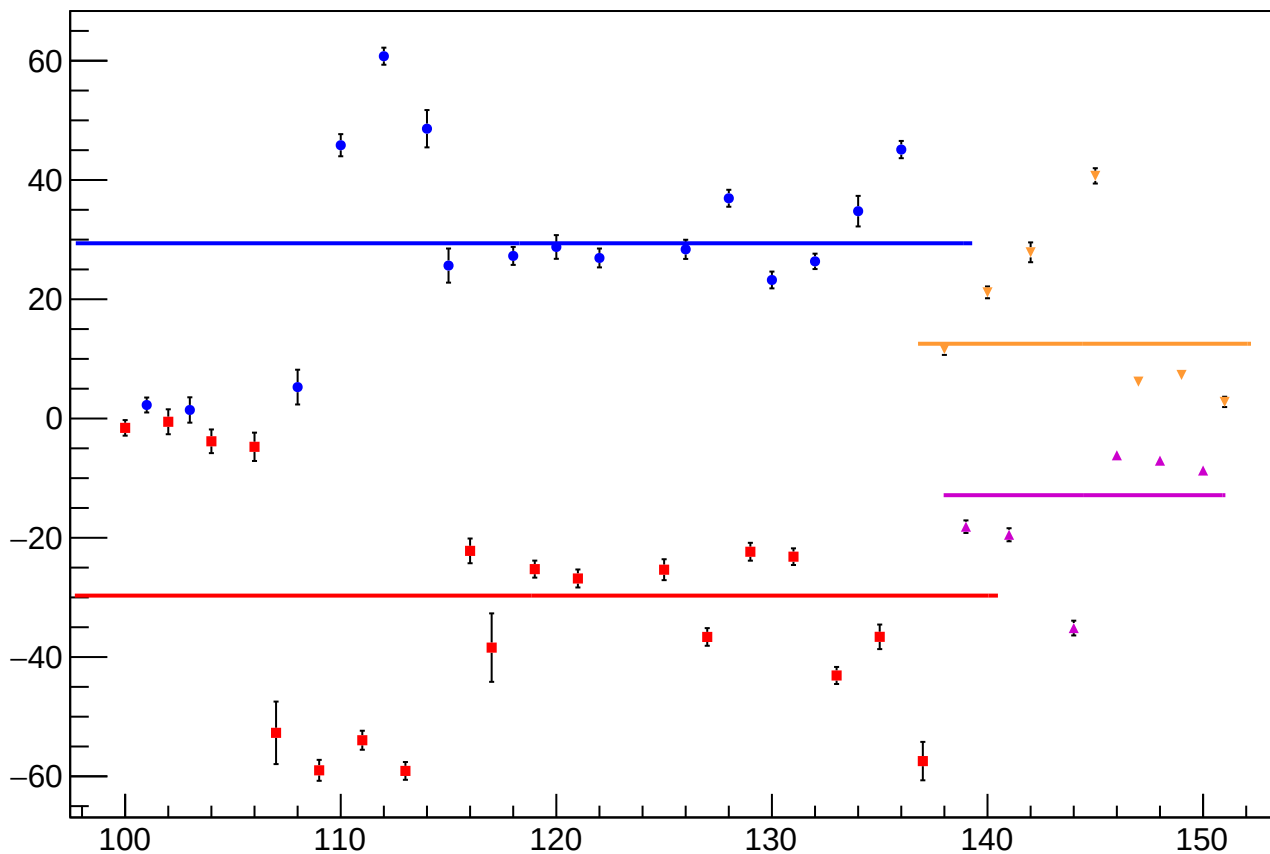
Left In: -2.040 ± 0.250 χ^2/NDF : 52.1/5

2.863 ± 0.162 χ^2/NDF : 541.3/22

-0.146 ± 0.116 χ^2/NDF : 1703.6/47

-3.301 ± 0.165 χ^2/NDF : 451.2/24

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.387+/-0.419 χ^2/NDF : 1488.6/15

Left Out: 12.540+/-0.369 χ^2/NDF : 870.1/6

Right Out: -29.695+/-0.401 χ^2/NDF : 2133.3/18

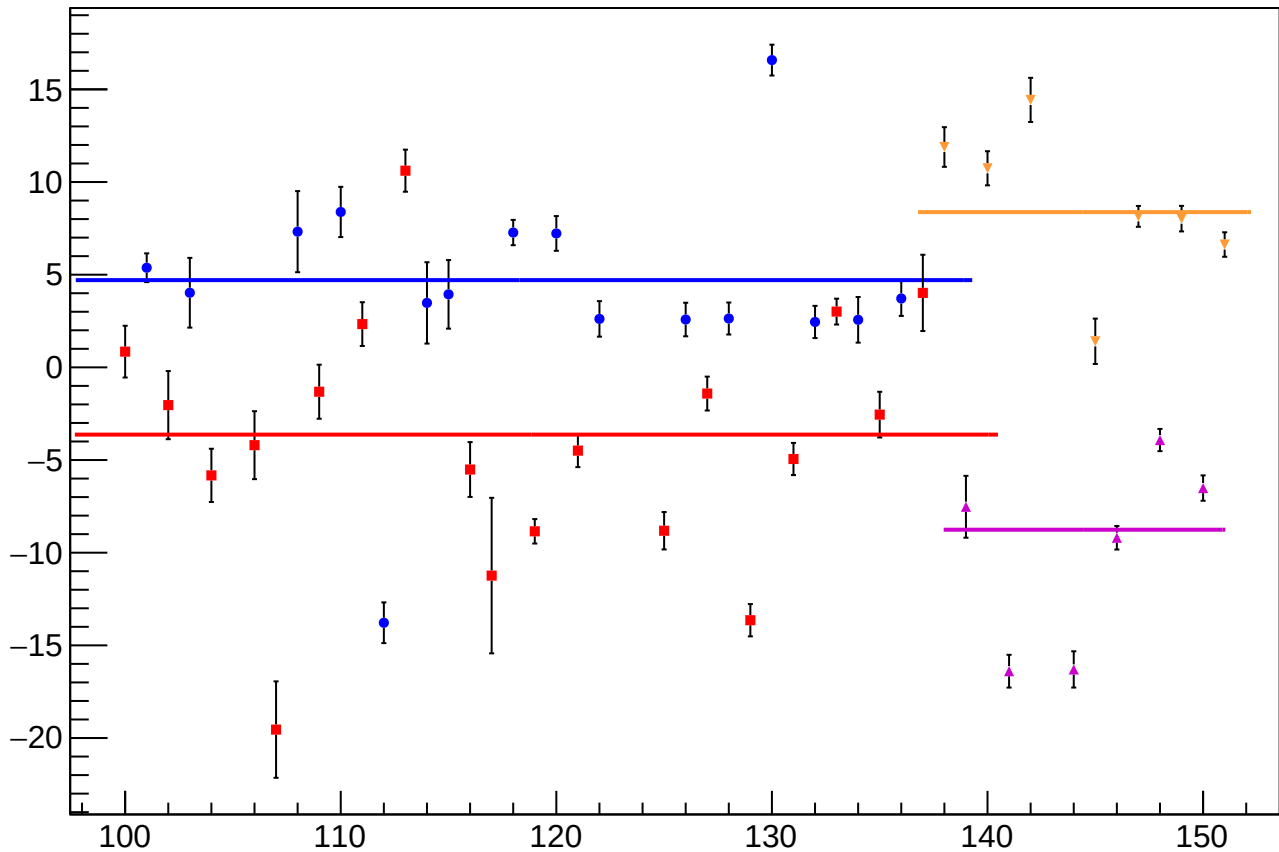
Left In: -12.857+/-0.382 χ^2/NDF : 526.8/5

19.904+/-0.277 χ^2/NDF : 3267.6/22

-0.511+/-0.196 χ^2/NDF : 17682.9/47

-20.863+/-0.277 χ^2/NDF : 3583.3/24

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.706 ± 0.254 χ^2/NDF : 545.2/15

Left Out: 8.377 ± 0.302 χ^2/NDF : 83.1/6

Right Out: -3.629 ± 0.254 χ^2/NDF : 576.7/18

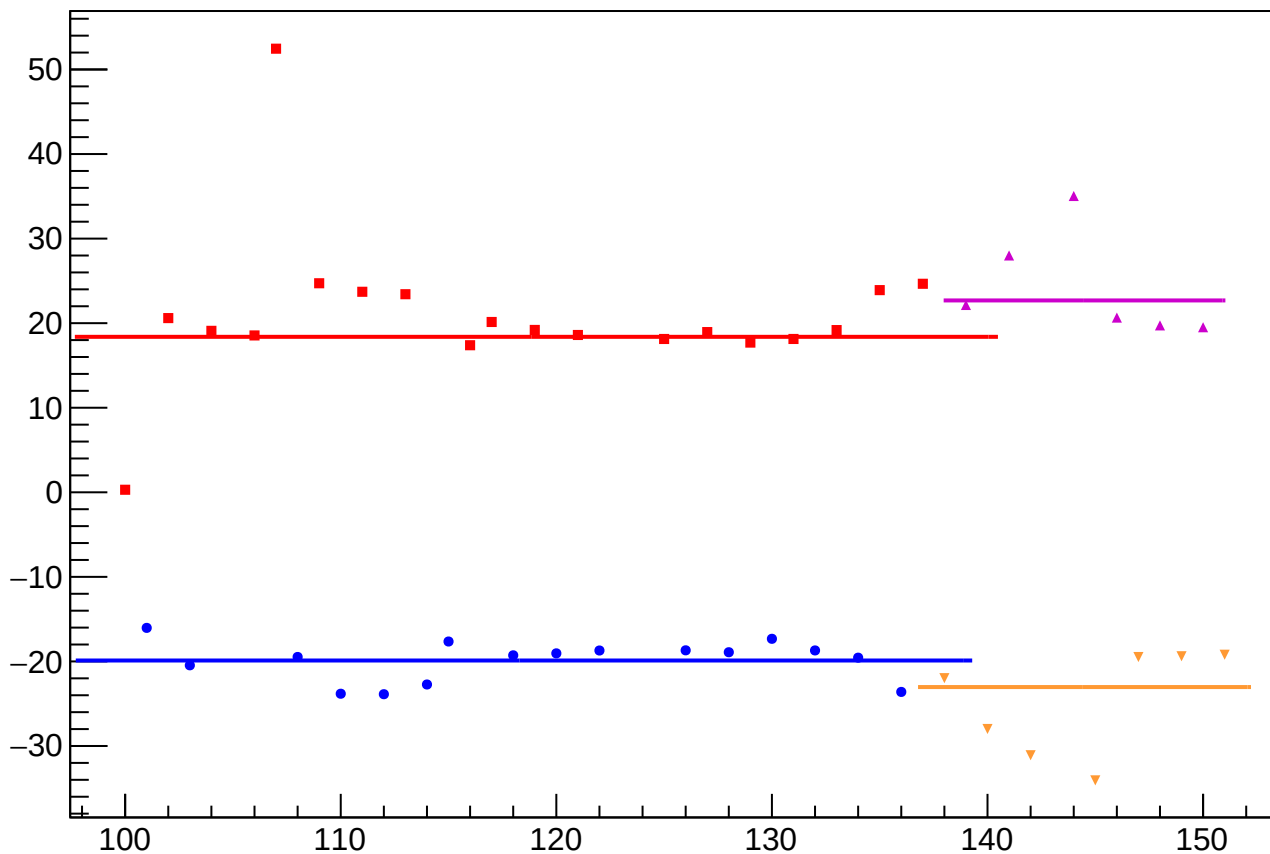
Left In: -8.760 ± 0.315 χ^2/NDF : 210.9/5

6.227 ± 0.194 χ^2/NDF : 715.0/22

0.390 ± 0.139 χ^2/NDF : 3500.2/47

-5.646 ± 0.198 χ^2/NDF : 948.6/24

reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.890 ± 0.016 $\chi^2/\text{NDF}: 26044.4/15$

Left Out: -23.031 ± 0.016 $\chi^2/\text{NDF}: 104853.7/6$

Right Out: 18.386 ± 0.015 $\chi^2/\text{NDF}: 301044.3/18$

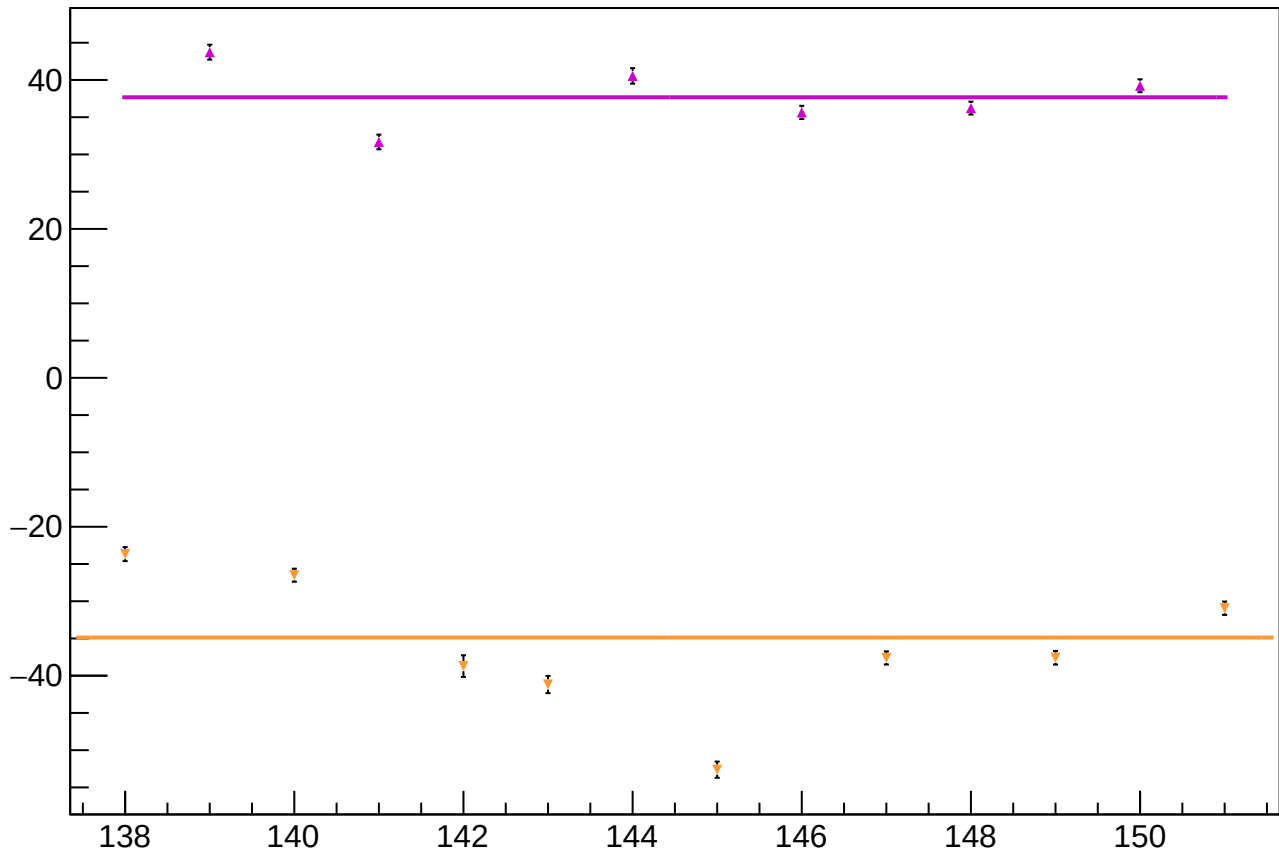
Left In: 22.689 ± 0.016 $\chi^2/\text{NDF}: 84569.6/5$

-21.439 ± 0.011 $\chi^2/\text{NDF}: 150794.5/22$

0.075 ± 0.008 $\chi^2/\text{NDF}: 7833882.0/47$

20.368 ± 0.011 $\chi^2/\text{NDF}: 424968.8/24$

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: -34.875+/-0.349 χ^2/NDF : 571.6/7

-34.875+/-0.349 χ^2/NDF : 571.6/7

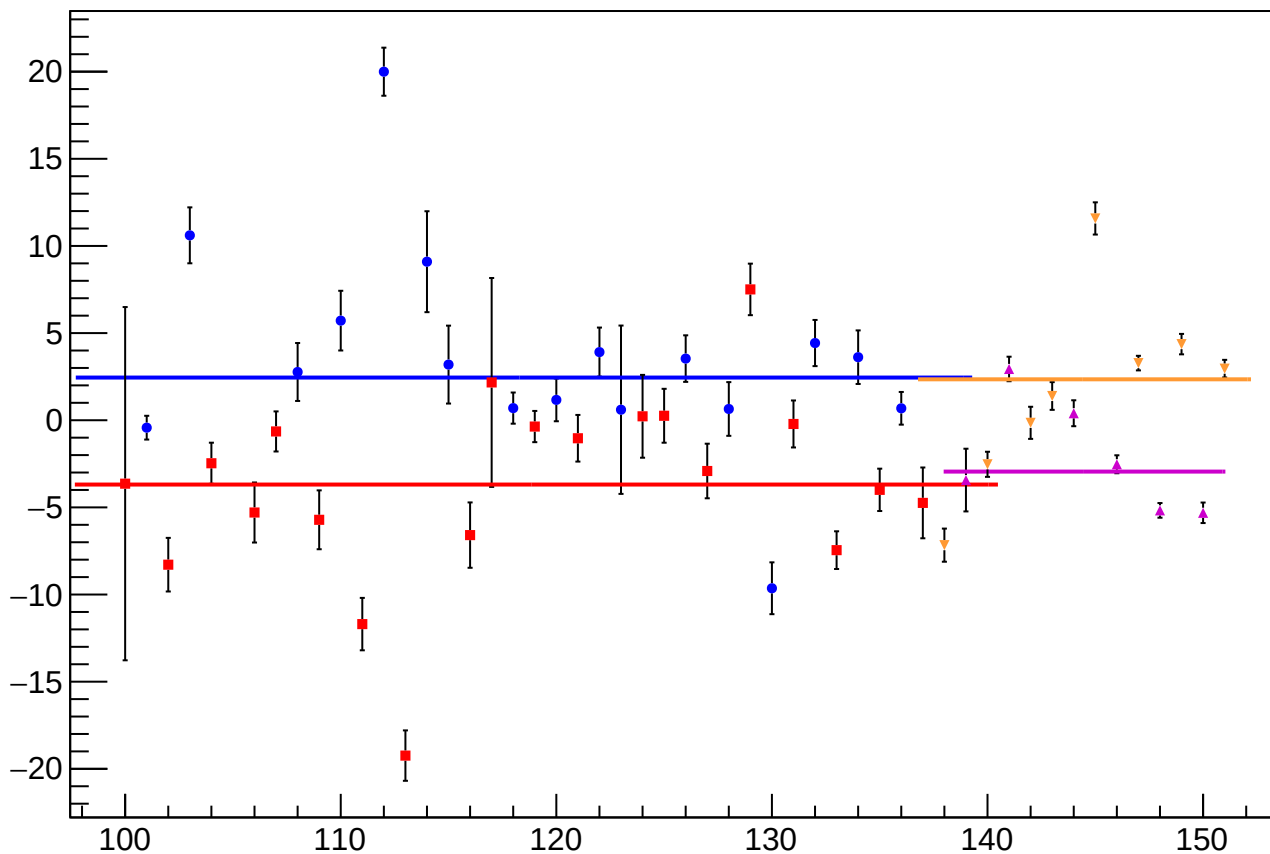
-1.823+/-0.258 χ^2/NDF : 20318.8/13

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

37.674+/-0.382 χ^2/NDF : 92.2/5

Left In: 37.674+/-0.382 χ^2/NDF : 92.2/5

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: 2.348 ± 0.227 χ^2/NDF : 272.8/7

Right Out: -3.690 ± 0.326 χ^2/NDF : 270.4/19

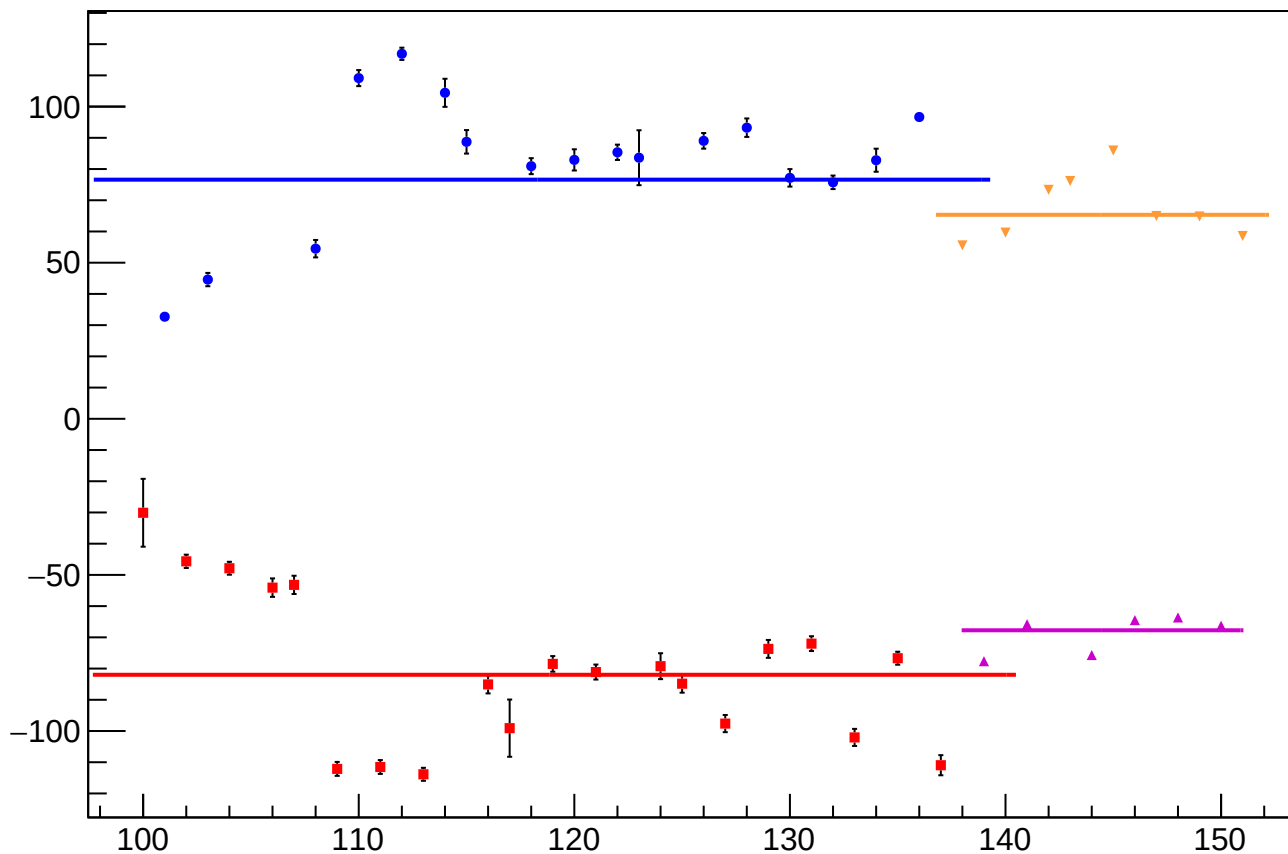
Left In: -2.946 ± 0.247 χ^2/NDF : 135.1/5

2.382 ± 0.184 χ^2/NDF : 568.2/24

-0.228 ± 0.134 χ^2/NDF : 1409.7/50

-3.217 ± 0.197 χ^2/NDF : 408.8/25

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: 65.341+/-0.351 χ^2/NDF : 623.0/7

Right Out: -81.987+/-0.591 χ^2/NDF : 1574.2/19

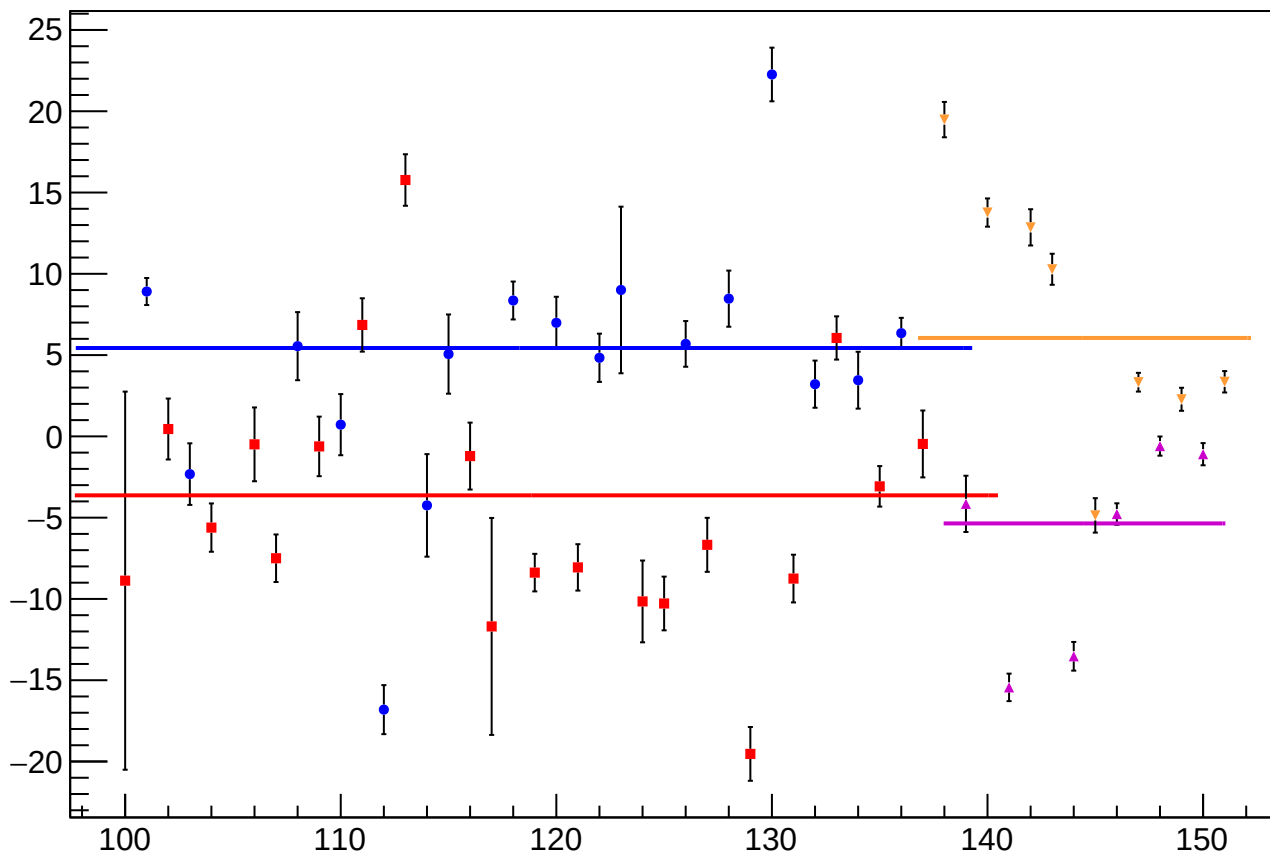
Left In: -67.735+/-0.379 χ^2/NDF : 180.0/5

68.384+/-0.300 χ^2/NDF : 3156.8/24

2.635+/-0.218 χ^2/NDF : 108137.2/50

-71.886+/-0.319 χ^2/NDF : 2166.7/25

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.436 ± 0.360 $\chi^2/\text{NDF}: 387.2/16$

Left Out: 6.055 ± 0.285 $\chi^2/\text{NDF}: 461.8/7$

Right Out: -3.628 ± 0.374 $\chi^2/\text{NDF}: 424.8/19$

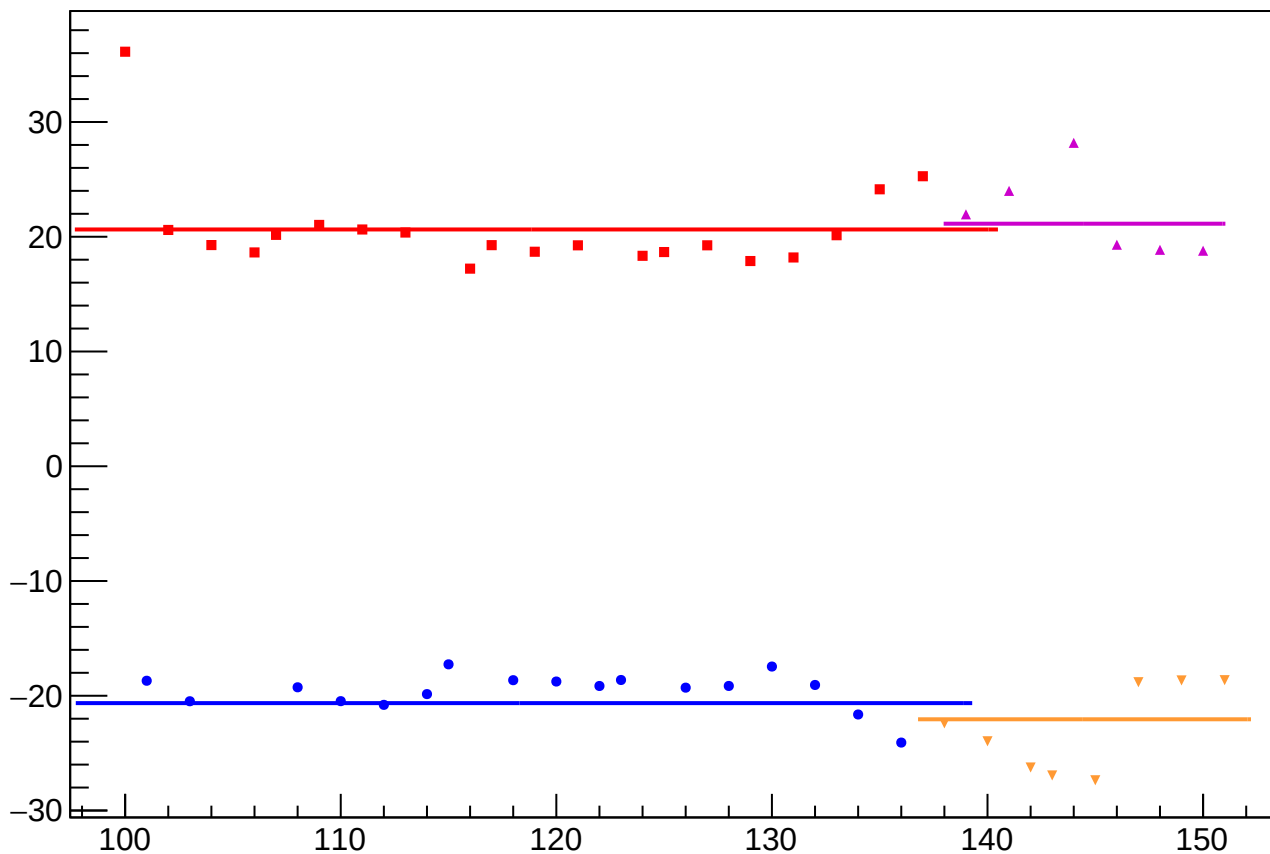
Left In: -5.356 ± 0.311 $\chi^2/\text{NDF}: 333.4/5$

5.816 ± 0.224 $\chi^2/\text{NDF}: 850.9/24$

0.932 ± 0.163 $\chi^2/\text{NDF}: 2642.7/50$

-4.650 ± 0.239 $\chi^2/\text{NDF}: 770.7/25$

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.642 ± 0.019 χ^2/NDF : 12431.5/16

Left Out: -22.051 ± 0.015 χ^2/NDF : 54242.6/7

Right Out: 20.635 ± 0.019 χ^2/NDF : 13794.0/19

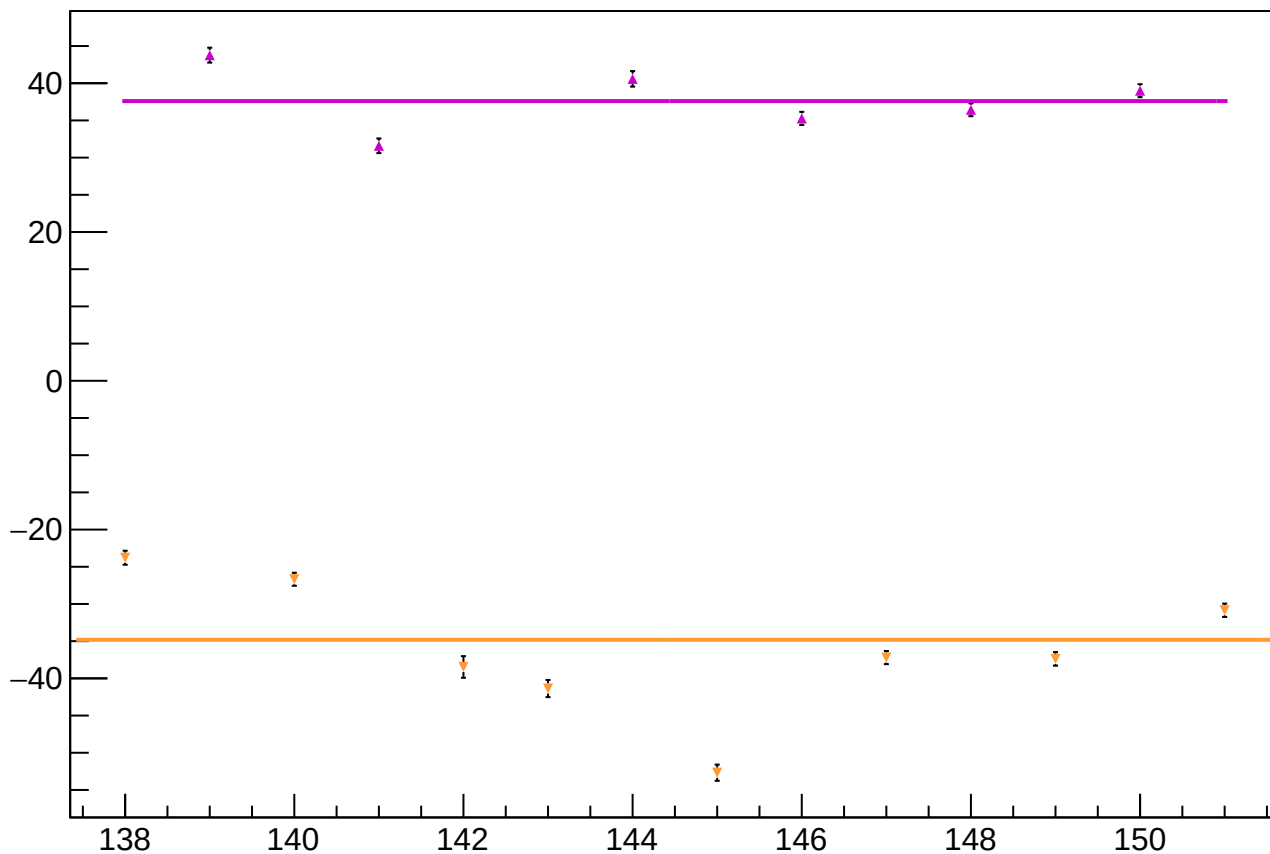
Left In: 21.137 ± 0.016 χ^2/NDF : 37038.1/5

-21.525 ± 0.012 χ^2/NDF : 70000.8/24

-1.076 ± 0.009 χ^2/NDF : 6336911.3/50

20.937 ± 0.012 χ^2/NDF : 51233.5/25

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: -34.820+/-0.349 χ^2/NDF : 563.7/7

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

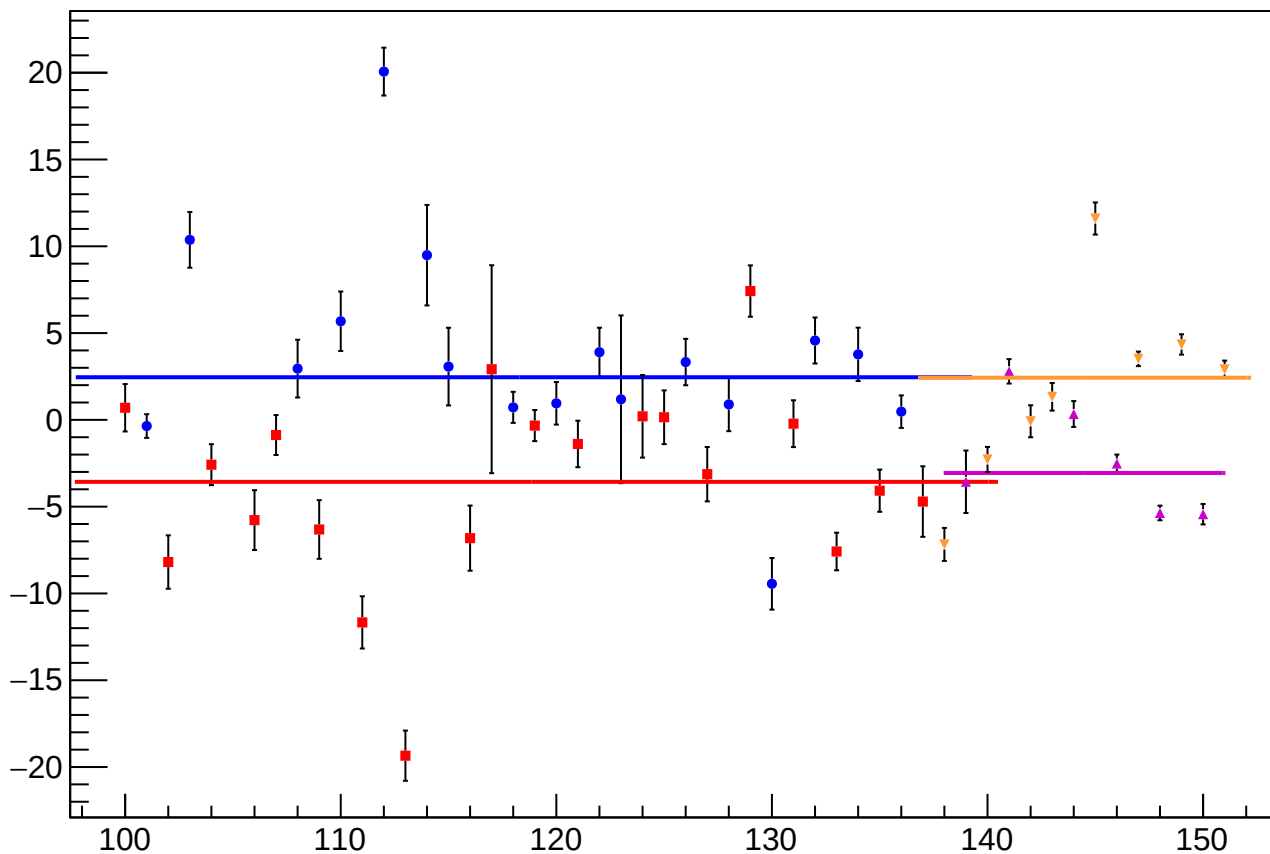
Left In: 37.598+/-0.382 χ^2/NDF : 94.3/5

-34.820+/-0.349 χ^2/NDF : 563.7/7

-1.830+/-0.258 χ^2/NDF : 20216.8/13

37.598+/-0.382 χ^2/NDF : 94.3/5

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: 2.428 ± 0.227 χ^2/NDF : 270.6/7

Right Out: -3.571 ± 0.317 χ^2/NDF : 281.0/19

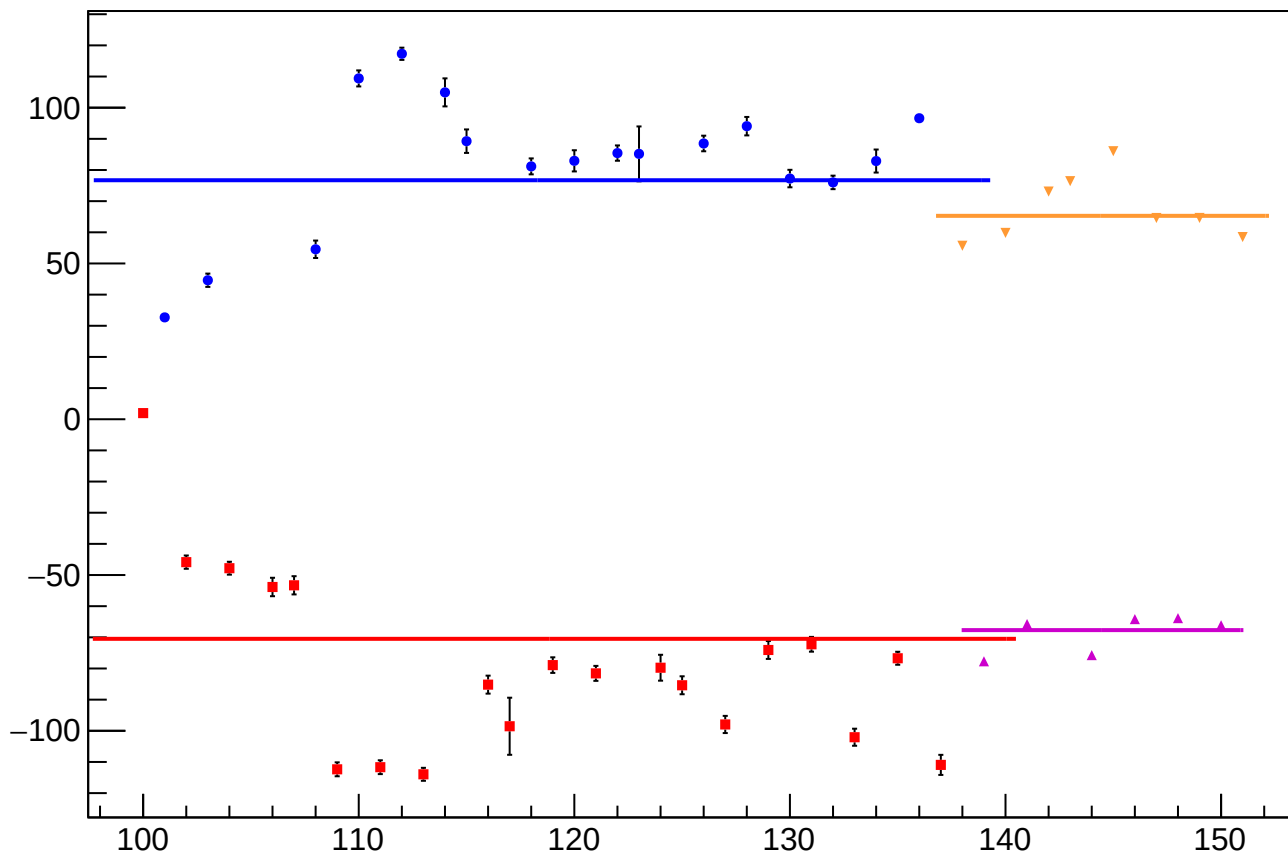
Left In: -3.059 ± 0.247 χ^2/NDF : 137.4/5

2.438 ± 0.184 χ^2/NDF : 564.1/24

-0.243 ± 0.134 χ^2/NDF : 1435.2/50

-3.252 ± 0.195 χ^2/NDF : 420.1/25

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.713+/-0.576 χ^2/NDF : 2266.6/16

Left Out: 65.288+/-0.351 χ^2/NDF : 624.7/7

Right Out: -70.477+/-0.549 χ^2/NDF : 4400.1/19

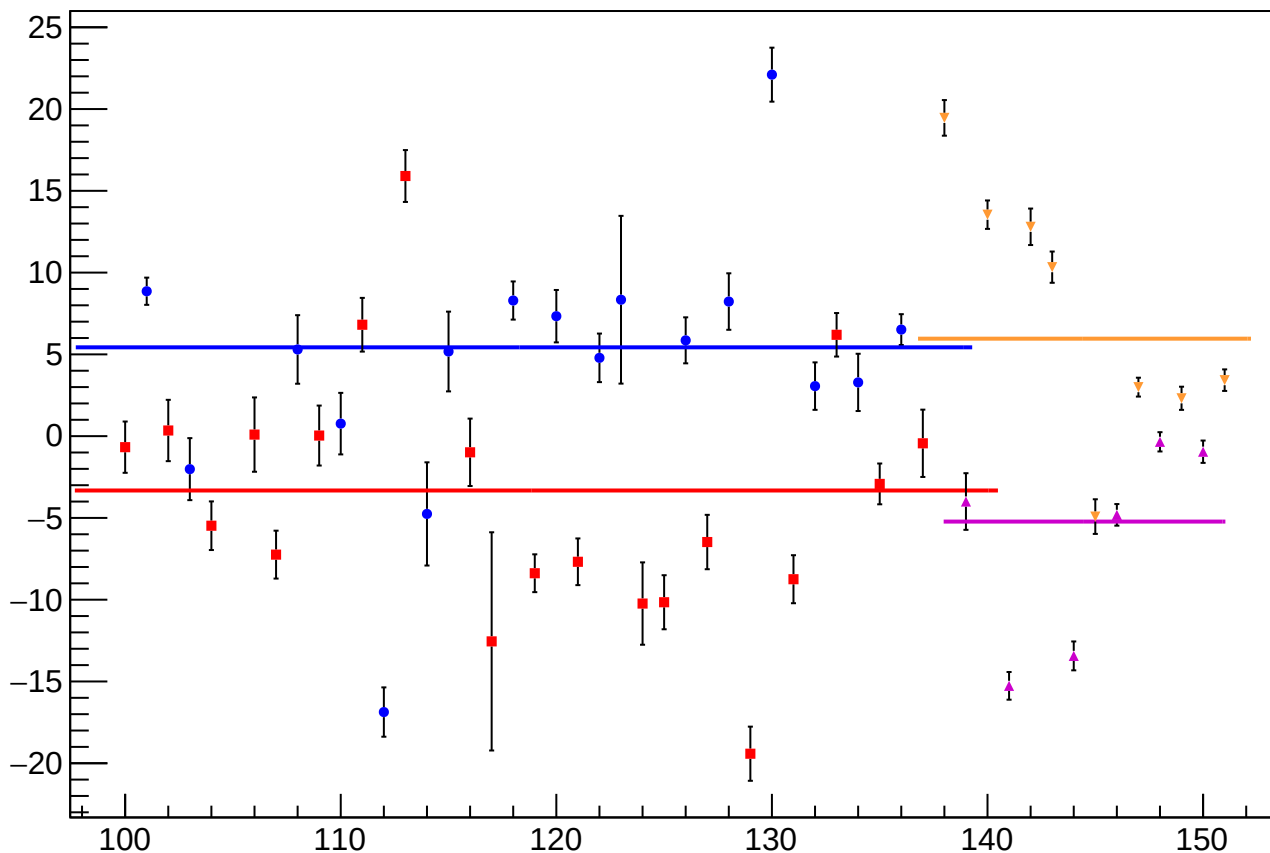
Left In: -67.681+/-0.379 χ^2/NDF : 182.7/5

68.377+/-0.300 χ^2/NDF : 3178.0/24

2.627+/-0.216 χ^2/NDF : 108047.9/50

-68.584+/-0.312 χ^2/NDF : 4600.4/25

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: 5.960 $\pm$ 0.286 χ^2/NDF : 461.5/7

Right Out: -3.323 $\pm$ 0.365 χ^2/NDF : 428.0/19

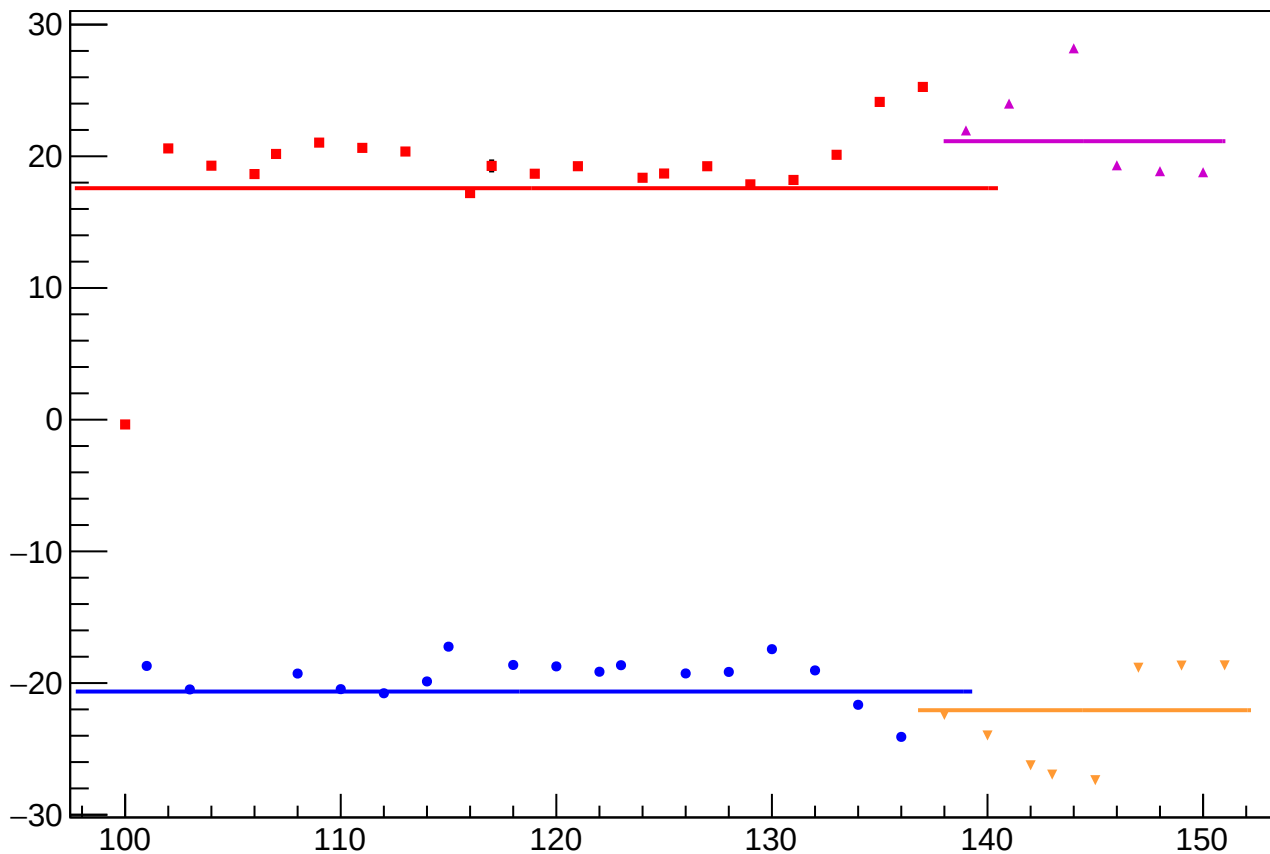
Left In: -5.224 $\pm$ 0.311 χ^2/NDF : 335.8/5

5.756 $\pm$ 0.224 χ^2/NDF : 848.7/24

0.949 $\pm$ 0.163 χ^2/NDF : 2604.4/50

-4.422 $\pm$ 0.237 χ^2/NDF : 779.5/25

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.643+/-0.019 χ^2/NDF : 12468.6/16

Left Out: -22.062+/-0.015 χ^2/NDF : 54097.1/7

Right Out: 17.577+/-0.018 χ^2/NDF : 178343.3/19

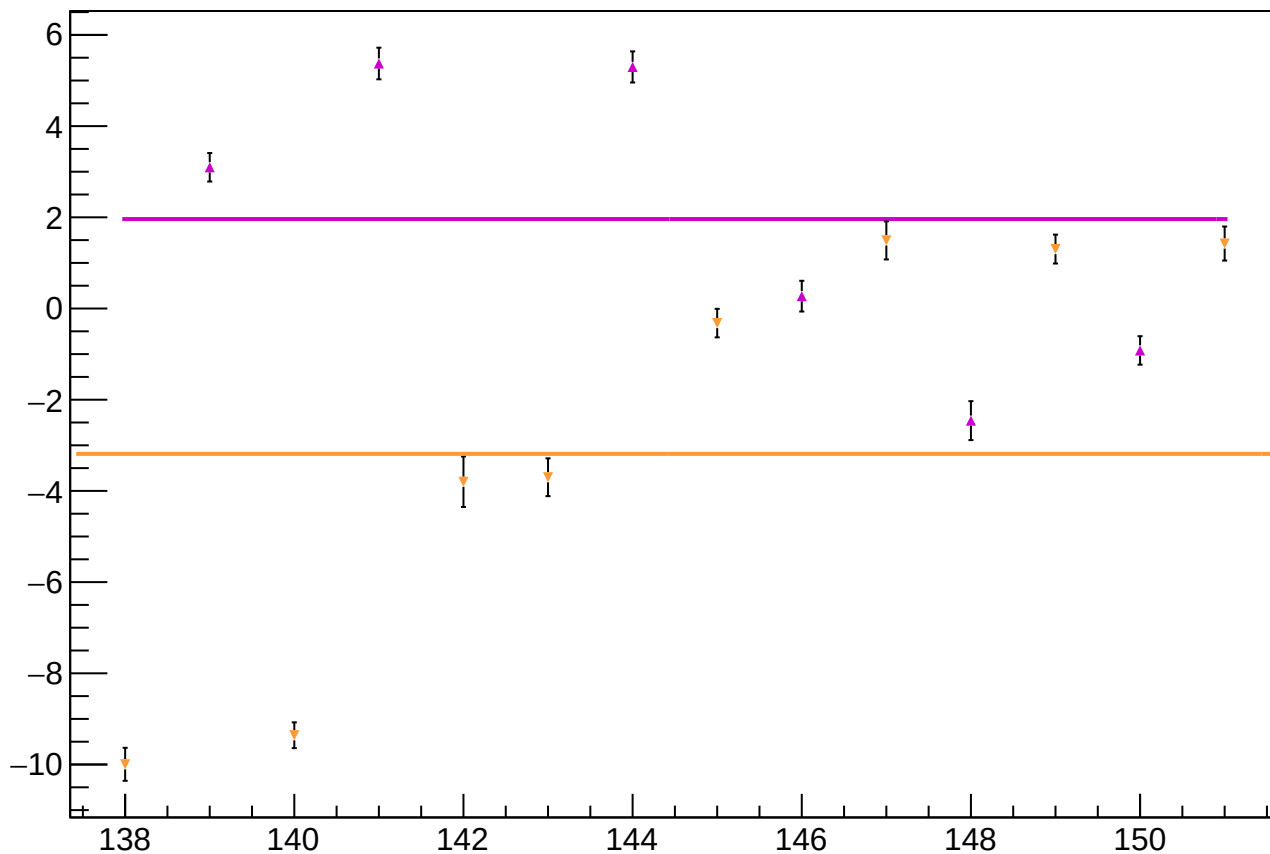
Left In: 21.146+/-0.016 χ^2/NDF : 37011.2/5

-21.532+/-0.012 χ^2/NDF : 69932.1/24

-1.076+/-0.008 χ^2/NDF : 6322428.5/50

19.593+/-0.012 χ^2/NDF : 237513.1/25

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: -3.188+/-0.127 χ^2/NDF : 1396.2/7

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

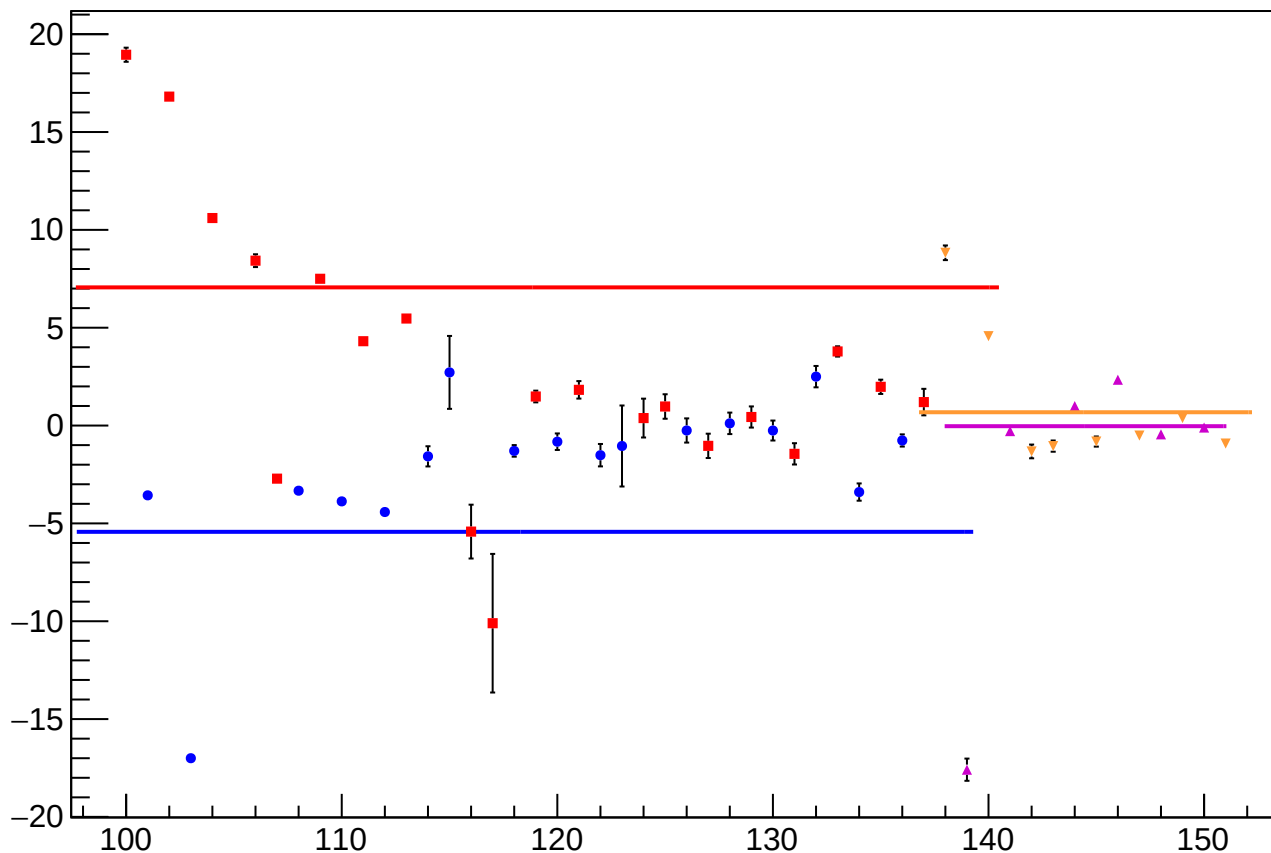
Left In: 1.962+/-0.139 χ^2/NDF : 423.2/5

-3.188+/-0.127 χ^2/NDF : 1396.2/7

-0.852+/-0.094 χ^2/NDF : 2569.0/13

1.962+/-0.139 χ^2/NDF : 423.2/5

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.431+/-0.055 χ^2 /NDF: 9233.8/16

Left Out: 0.680+/-0.088 χ^2 /NDF: 938.5/7

Right Out: 7.061+/-0.059 χ^2 /NDF: 12330.1/19

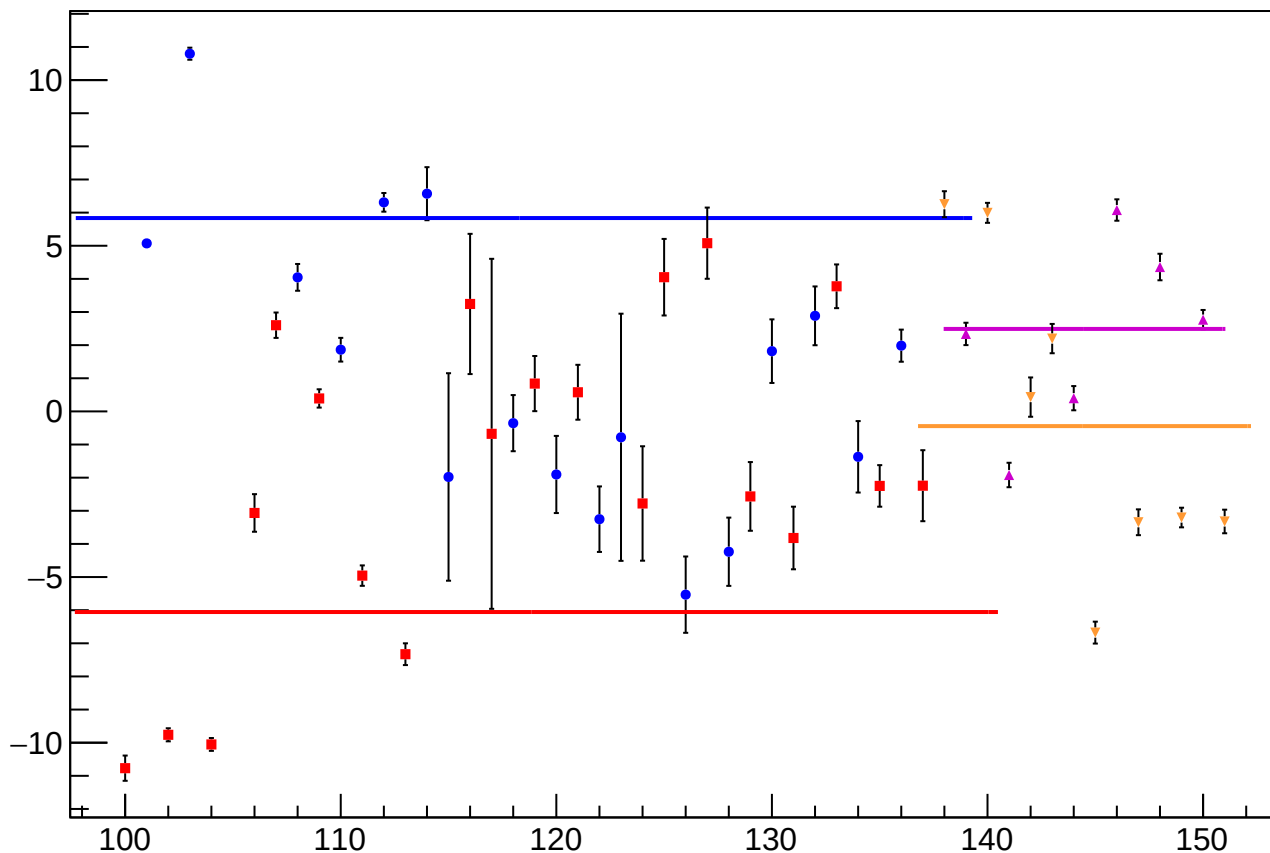
Left In: -0.033+/-0.099 χ^2 /NDF: 1103.4/5

-3.720+/-0.047 χ^2 /NDF: 13645.8/24

0.361+/-0.034 χ^2 /NDF: 47666.3/50

5.193+/-0.051 χ^2 /NDF: 17236.7/25

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: -0.444 $\pm$ 0.129 χ^2 /NDF:1348.3/7

Right Out: -6.056 $\pm$ 0.093 χ^2 /NDF: 2669.9/19

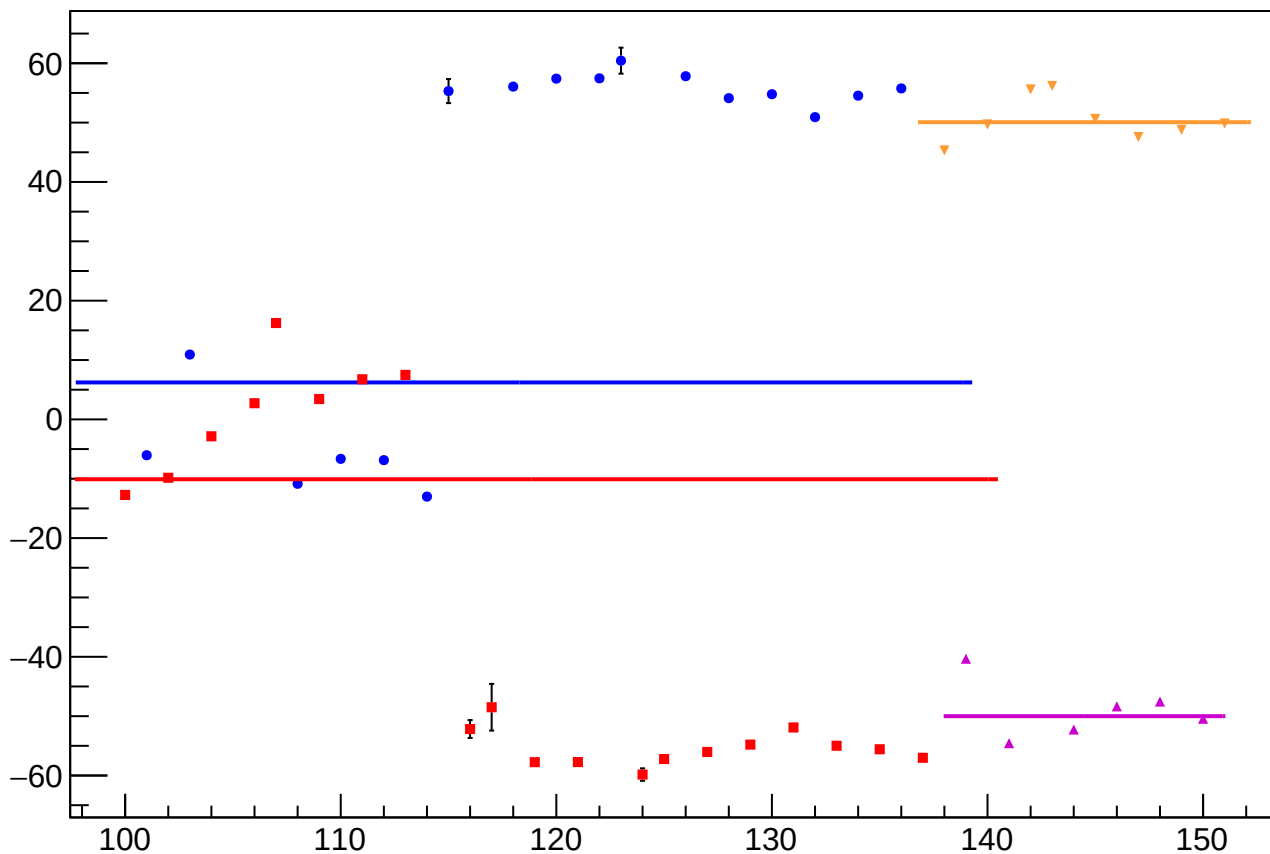
Left In: 2.490 $\pm$ 0.140 χ^2 /NDF:322.0/5

3.782 $\pm$ 0.074 χ^2 /NDF: 4394.0/24

0.374 $\pm$ 0.053 χ^2 /NDF: 14510.1/50

-3.422 $\pm$ 0.078 χ^2 /NDF: 5576.6/25

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: 50.070 ± 0.108 $\chi^2/\text{NDF}: 726.3/7$

Right Out: -10.087 ± 0.070 $\chi^2/\text{NDF}: 122144.7/19$

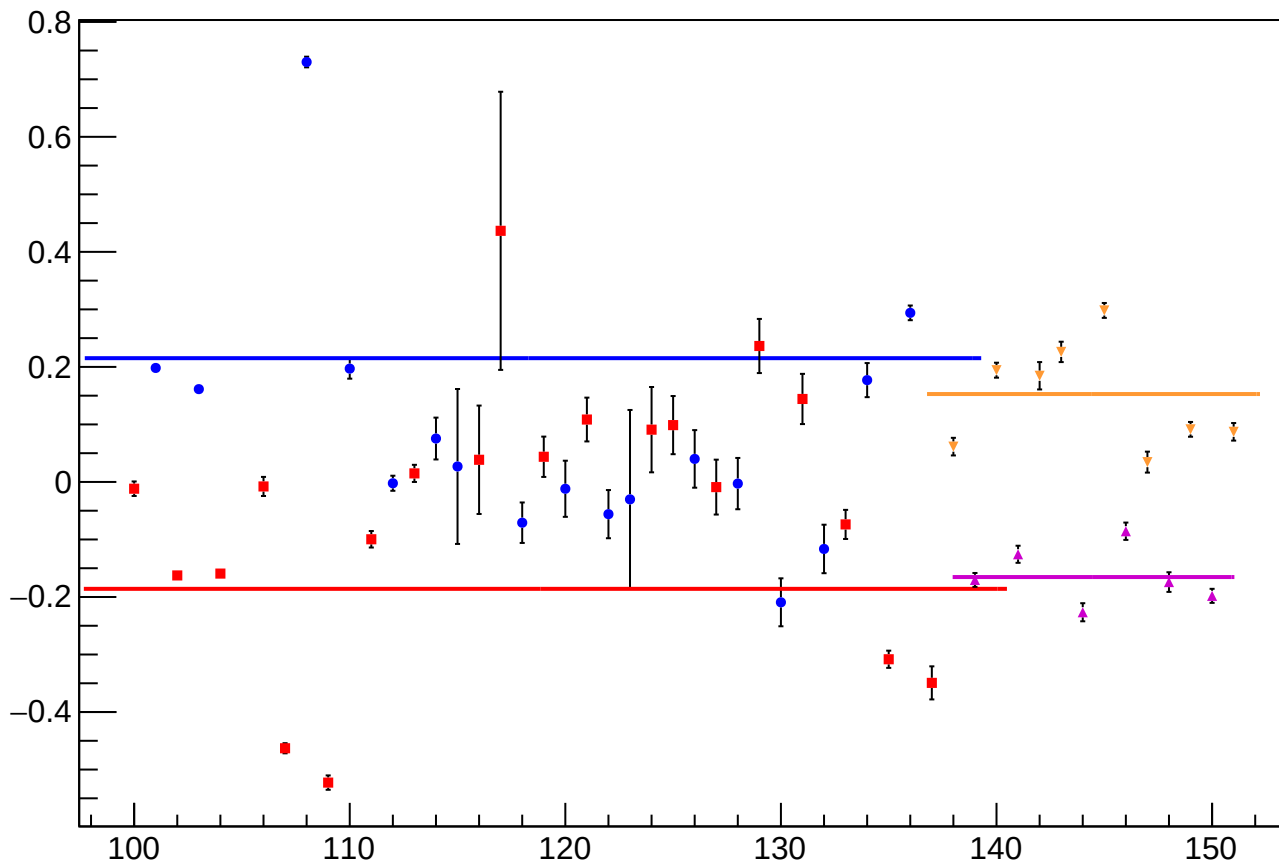
Left In: -50.002 ± 0.120 $\chi^2/\text{NDF}: 719.6/5$

17.818 ± 0.056 $\chi^2/\text{NDF}: 242605.6/24$

0.389 ± 0.041 $\chi^2/\text{NDF}: 661781.8/50$

-20.125 ± 0.060 $\chi^2/\text{NDF}: 205277.3/25$

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215 $\pm$ 0.003 χ^2 /NDF: 3925.9/16

Left Out: 0.153 $\pm$ 0.005 χ^2 /NDF: 274.0/7

Right Out: -0.186 $\pm$ 0.003 χ^2 /NDF: 2724.7/19

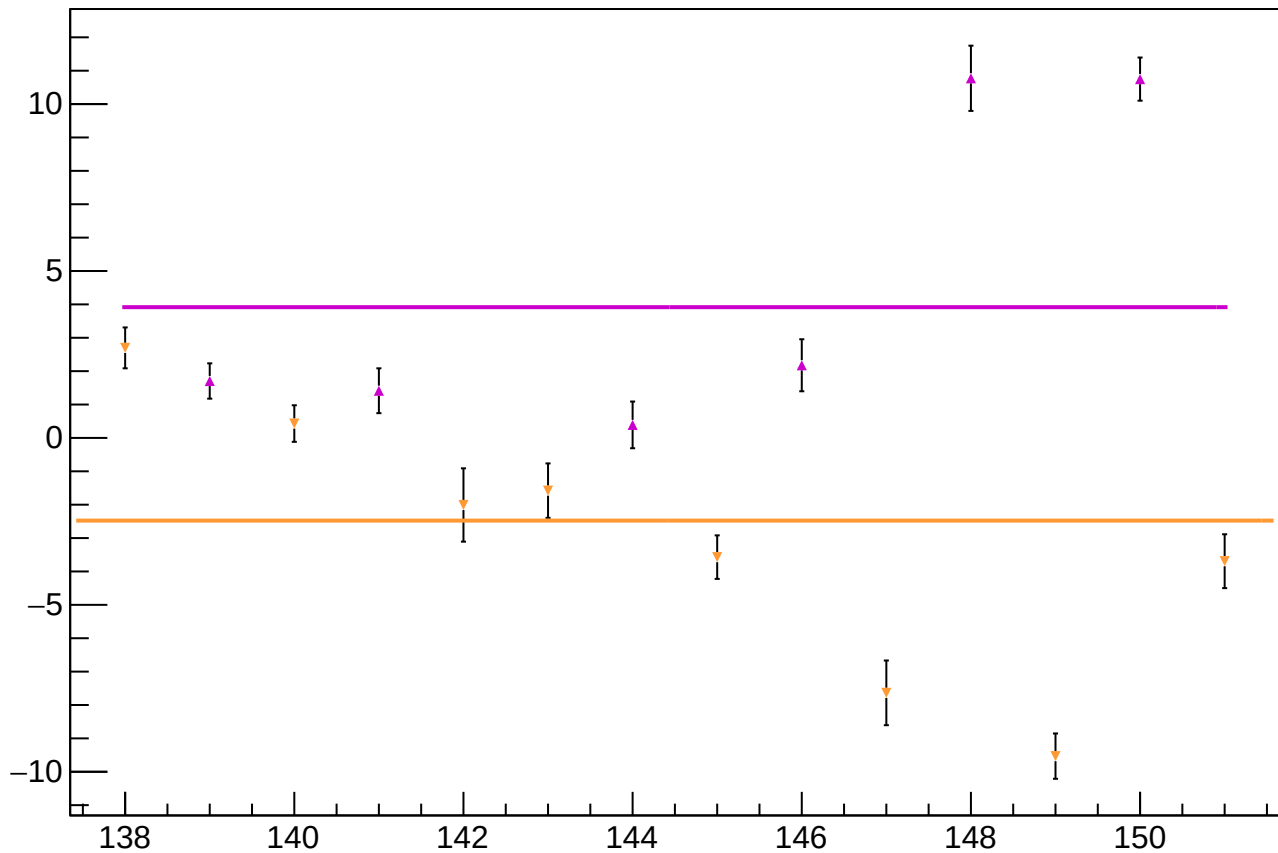
Left In: -0.165 $\pm$ 0.006 χ^2 /NDF: 57.8/5

0.202 $\pm$ 0.002 χ^2 /NDF: 4305.8/24

0.008 $\pm$ 0.002 χ^2 /NDF: 19403.7/50

-0.182 $\pm$ 0.002 χ^2 /NDF: 2792.9/25

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -2.476+/-0.254 χ^2/NDF : 242.4/7

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

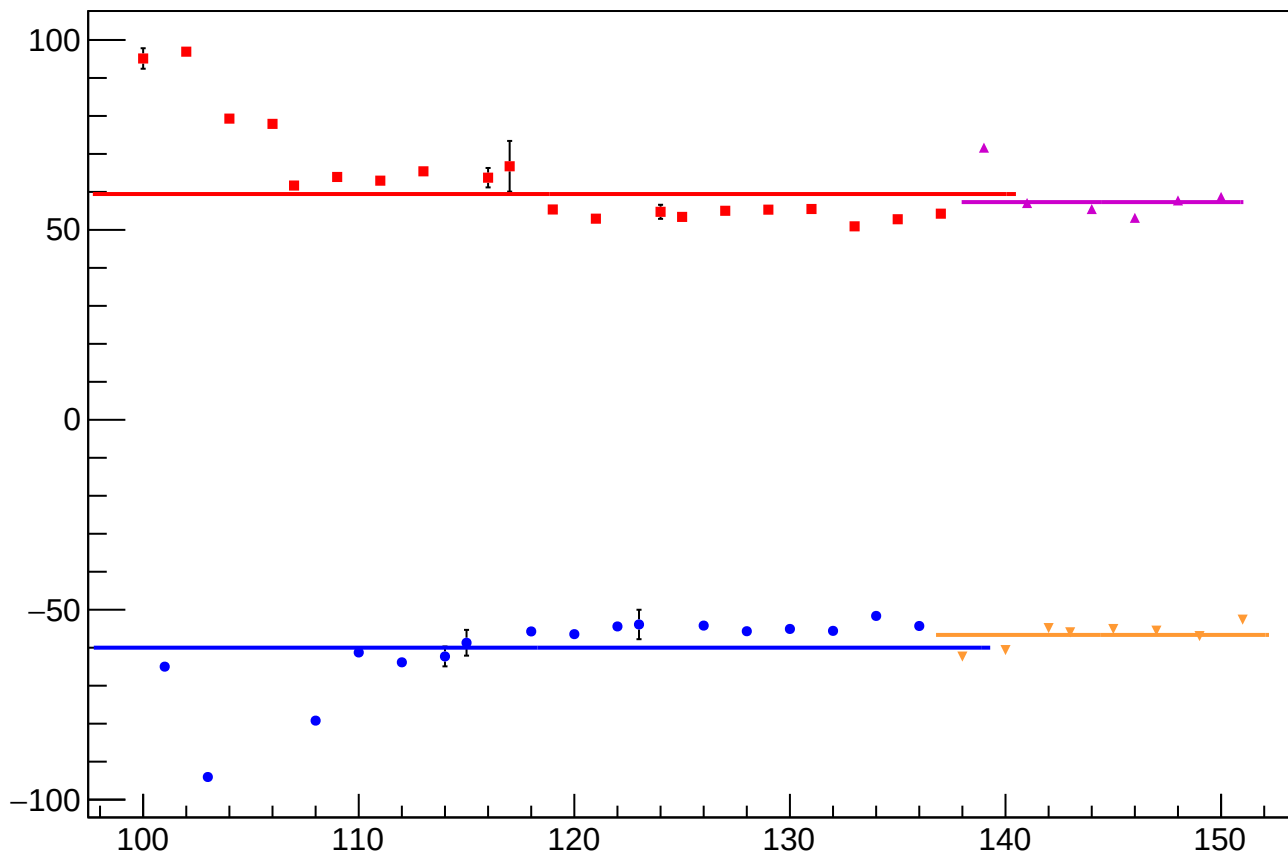
Left In: 3.917+/-0.278 χ^2/NDF : 222.7/5

-2.476+/-0.254 χ^2/NDF : 242.4/7

0.434+/-0.188 χ^2/NDF : 752.7/13

3.917+/-0.278 χ^2/NDF : 222.7/5

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: -56.633 ± 0.184 χ^2/NDF : 239.2/7

Right Out: 59.442 ± 0.212 χ^2/NDF : 2919.1/19

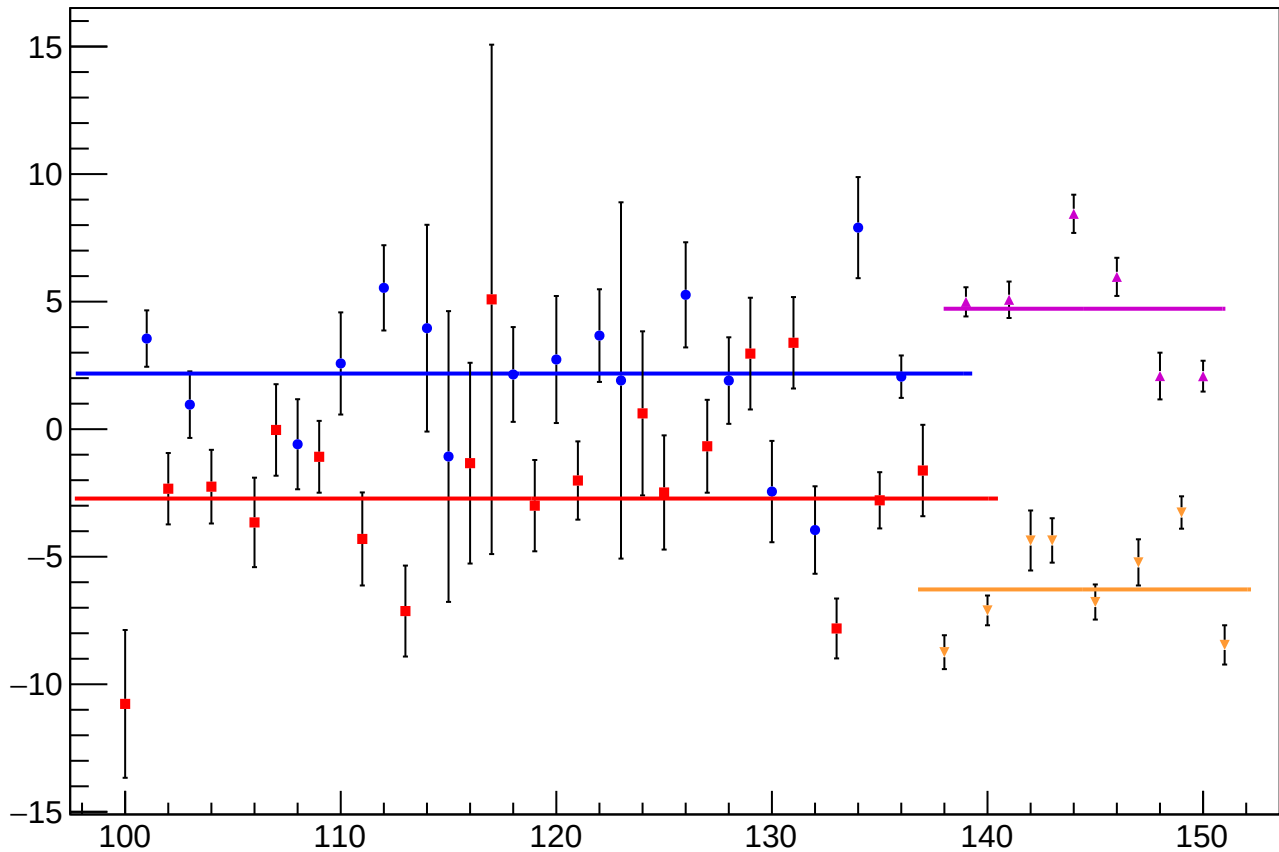
Left In: 57.318 ± 0.210 χ^2/NDF : 315.9/5

-57.980 ± 0.142 χ^2/NDF : 2345.6/24

-2.468 ± 0.103 χ^2/NDF : 323883.4/50

58.371 ± 0.149 χ^2/NDF : 3285.7/25

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.181 ± 0.406 χ^2/NDF : 39.0/16

Left Out: -6.283 ± 0.260 χ^2/NDF : 55.6/7

Right Out: -2.719 ± 0.388 χ^2/NDF : 59.5/19

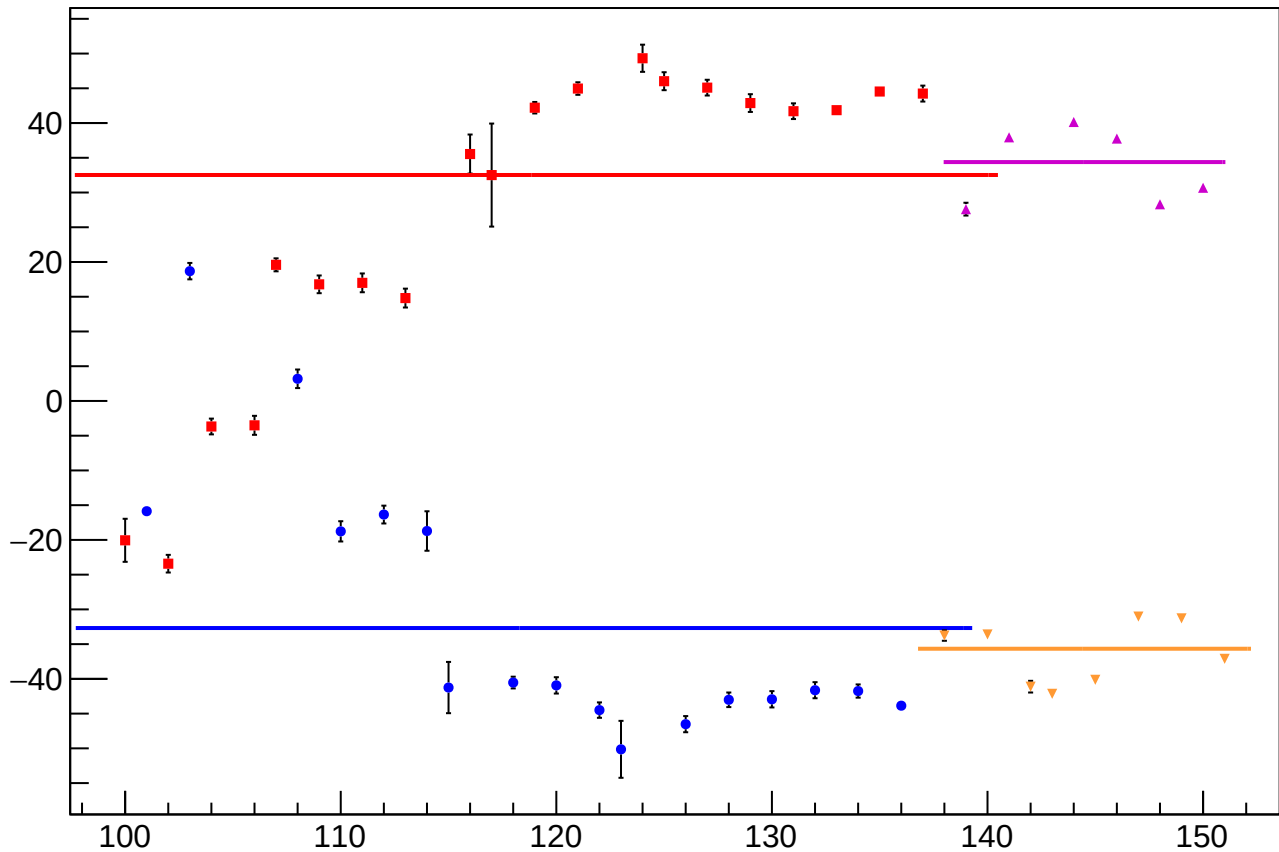
Left In: 4.722 ± 0.283 χ^2/NDF : 55.3/5

-3.812 ± 0.219 χ^2/NDF : 402.9/24

-0.960 ± 0.158 χ^2/NDF : 1111.6/50

2.138 ± 0.228 χ^2/NDF : 355.3/25

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: -35.663 ± 0.224 $\chi^2/\text{NDF}: 332.0/7$

Right Out: 32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/19$

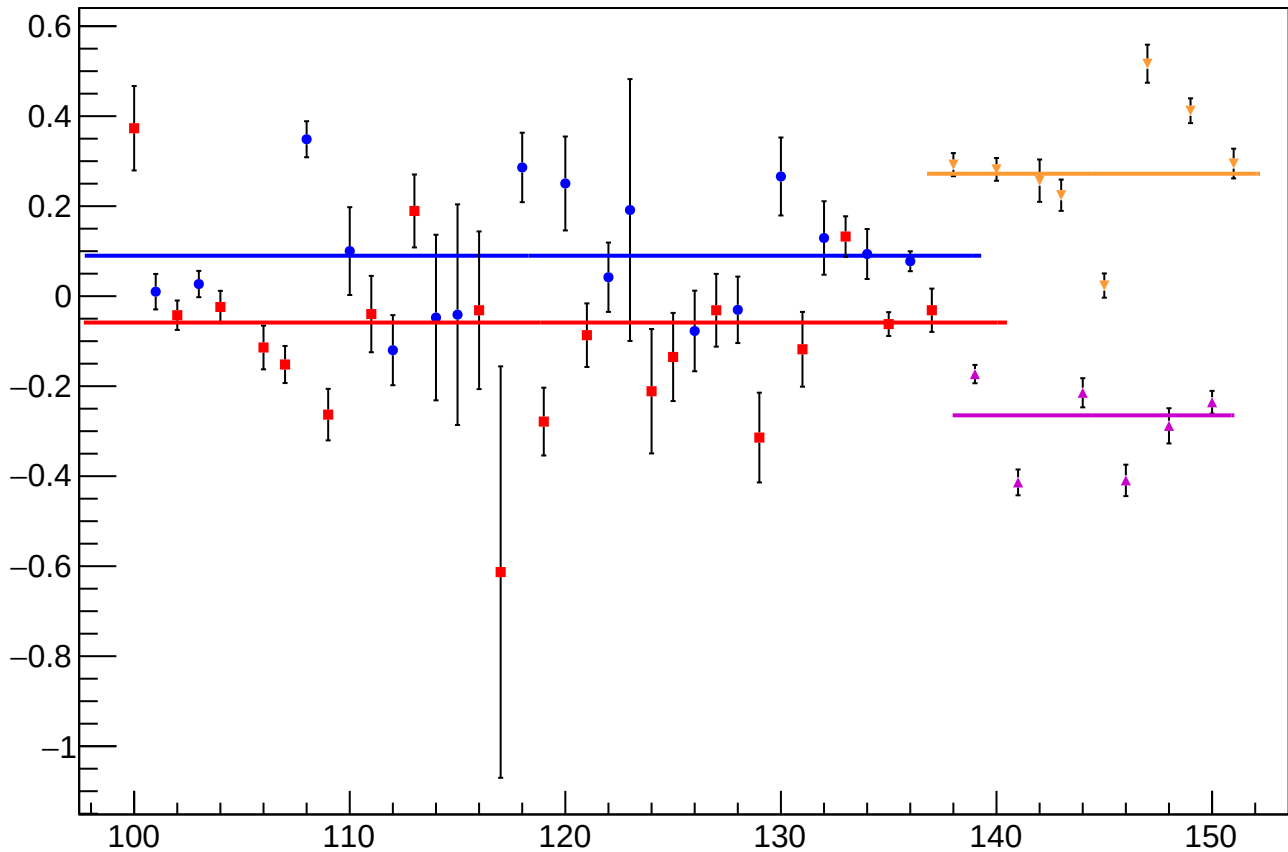
Left In: 34.382 ± 0.253 $\chi^2/\text{NDF}: 350.7/5$

-34.369 ± 0.169 $\chi^2/\text{NDF}: 5055.7/24$

-1.827 ± 0.122 $\chi^2/\text{NDF}: 89124.5/50$

33.420 ± 0.175 $\chi^2/\text{NDF}: 6424.0/25$

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: 0.272 ± 0.011 χ^2/NDF : 147.4/7

Right Out: -0.059 ± 0.012 χ^2/NDF : 88.6/19

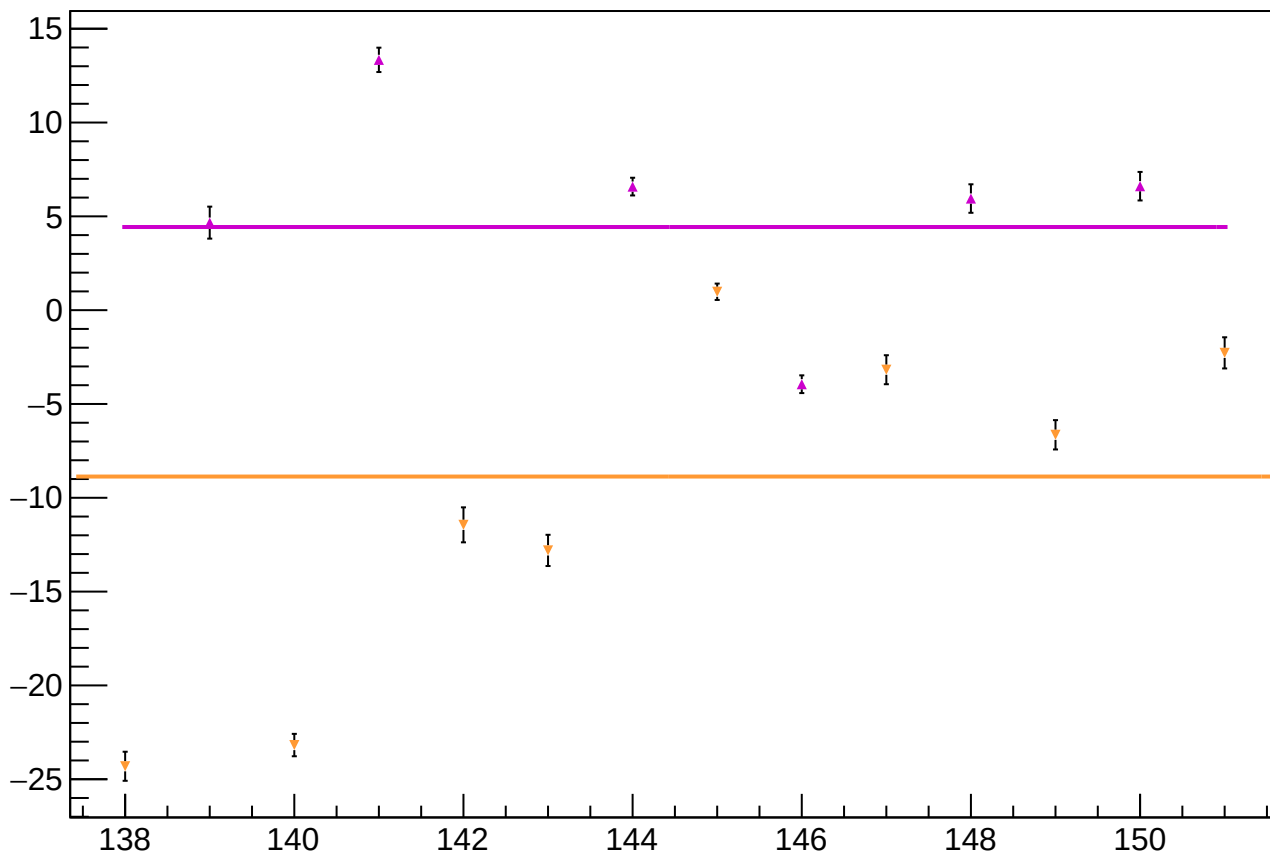
Left In: -0.265 ± 0.011 χ^2/NDF : 68.4/5

0.196 ± 0.008 χ^2/NDF : 344.9/24

0.016 ± 0.006 χ^2/NDF : 1614.2/50

-0.168 ± 0.008 χ^2/NDF : 309.1/25

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: -8.868+/-0.242 χ^2/NDF : 1638.1/7

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

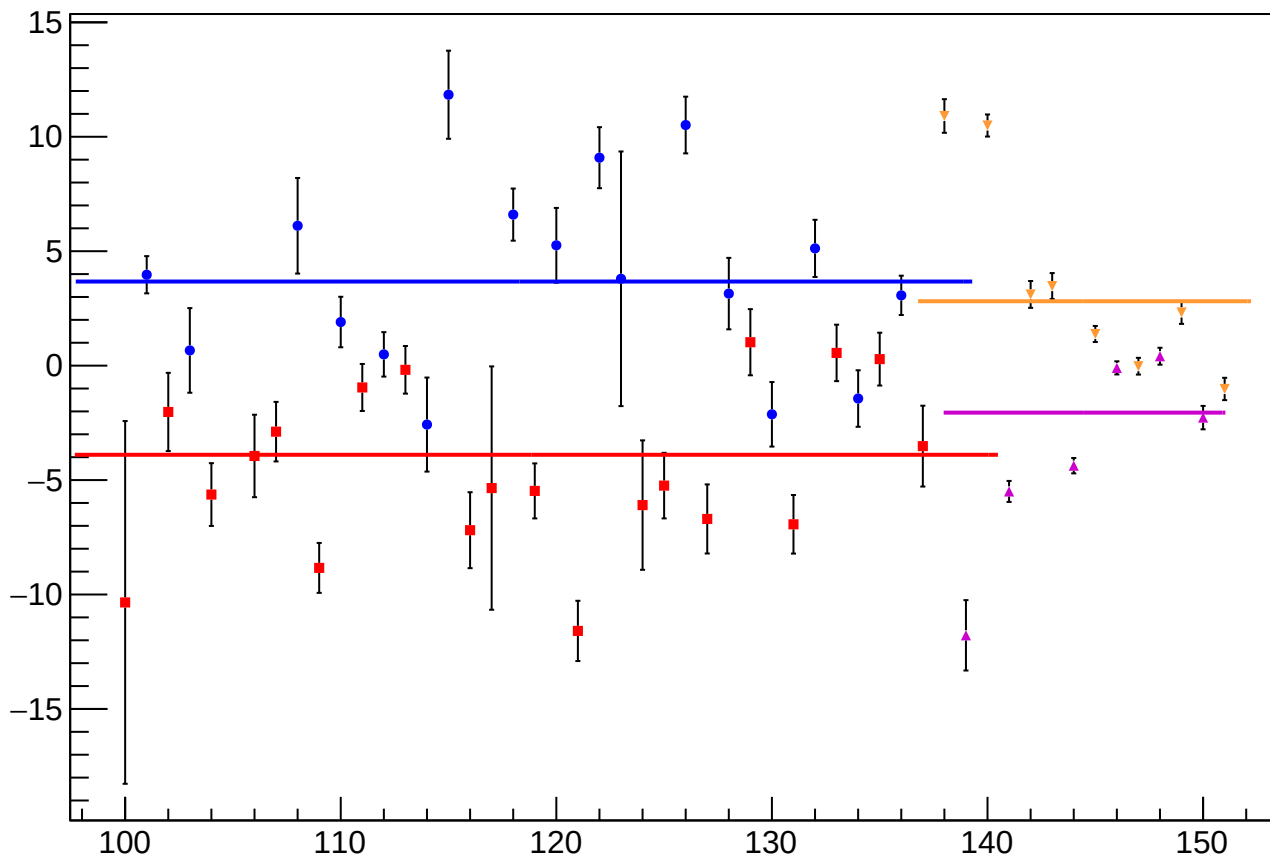
Left In: 4.432+/-0.249 χ^2/NDF : 535.7/5

-8.868+/-0.242 χ^2/NDF : 1638.1/7

-2.400+/-0.173 χ^2/NDF : 3644.0/13

4.432+/-0.249 χ^2/NDF : 535.7/5

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: 2.814 ± 0.167 χ^2/NDF : 515.8/7

Right Out: -3.895 ± 0.316 χ^2/NDF : 133.8/19

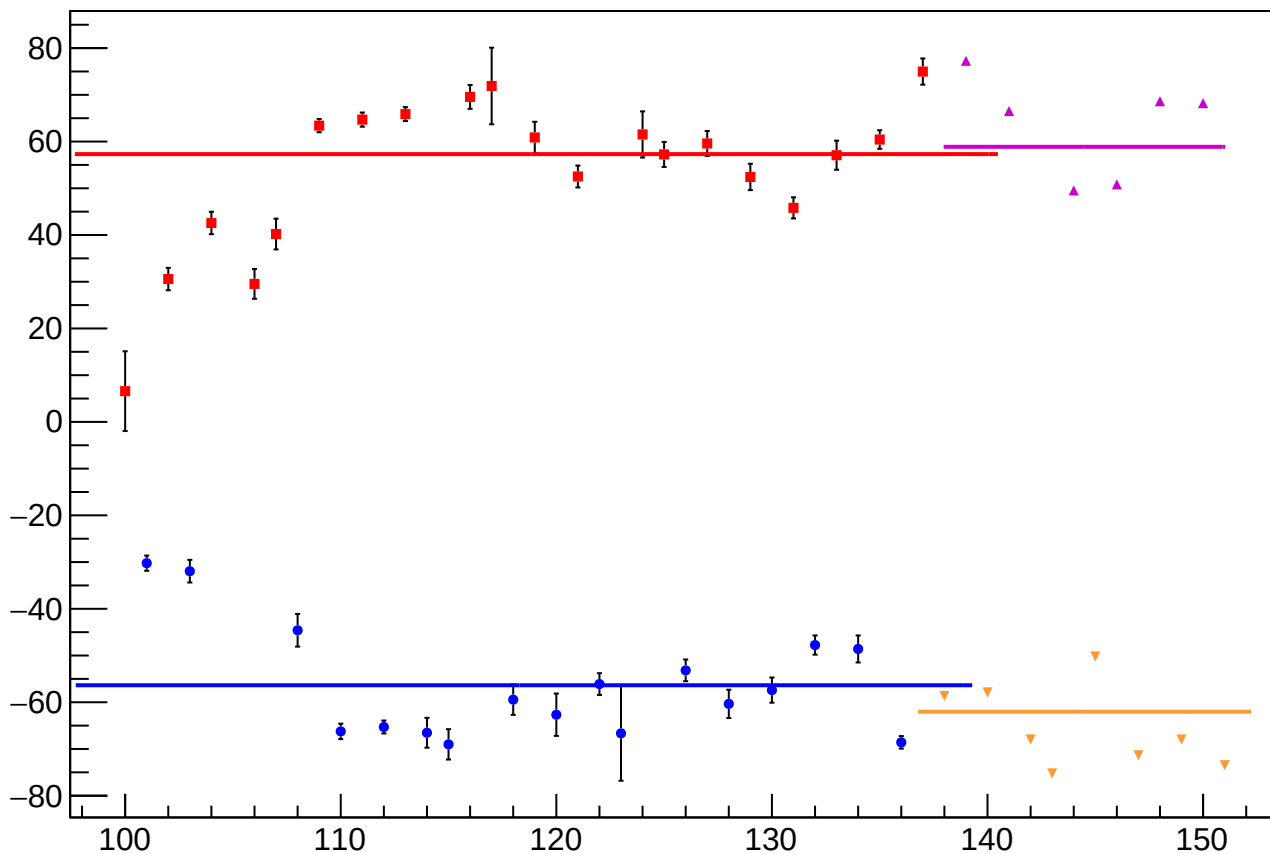
Left In: -2.053 ± 0.164 χ^2/NDF : 235.1/5

3.007 ± 0.147 χ^2/NDF : 656.9/24

0.251 ± 0.103 χ^2/NDF : 1748.4/50

-2.443 ± 0.145 χ^2/NDF : 395.7/25

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: -62.019 ± 0.249 χ^2/NDF : 1404.4/7

Right Out: 57.314 ± 0.535 χ^2/NDF : 479.2/19

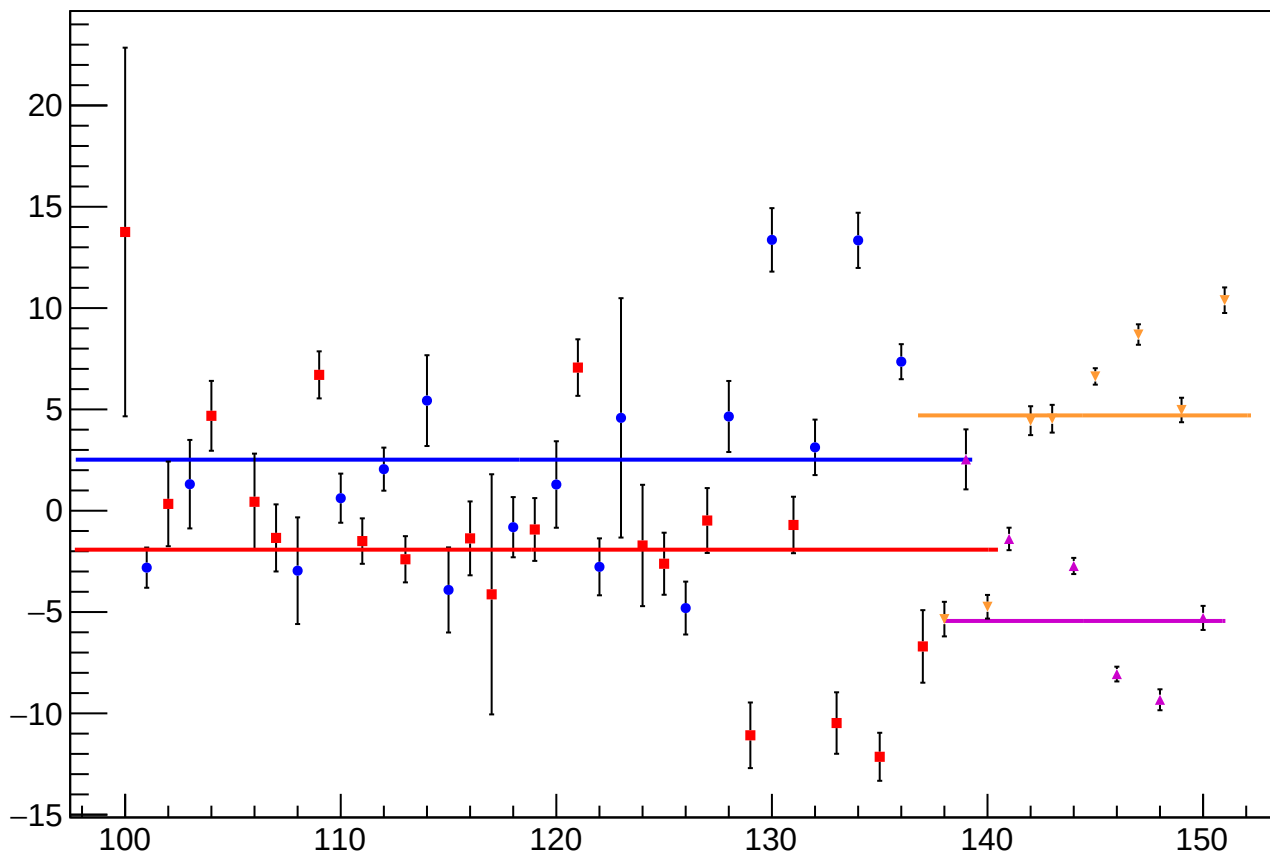
Left In: 58.877 ± 0.250 χ^2/NDF : 1534.9/5

-61.040 ± 0.226 χ^2/NDF : 2081.3/24

-1.366 ± 0.160 χ^2/NDF : 143869.2/50

58.597 ± 0.227 χ^2/NDF : 2021.1/25

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.520 ± 0.347 χ^2/NDF : 242.3/16

Left Out: 4.704 ± 0.206 χ^2/NDF : 566.7/7

Right Out: -1.922 ± 0.354 χ^2/NDF : 264.7/19

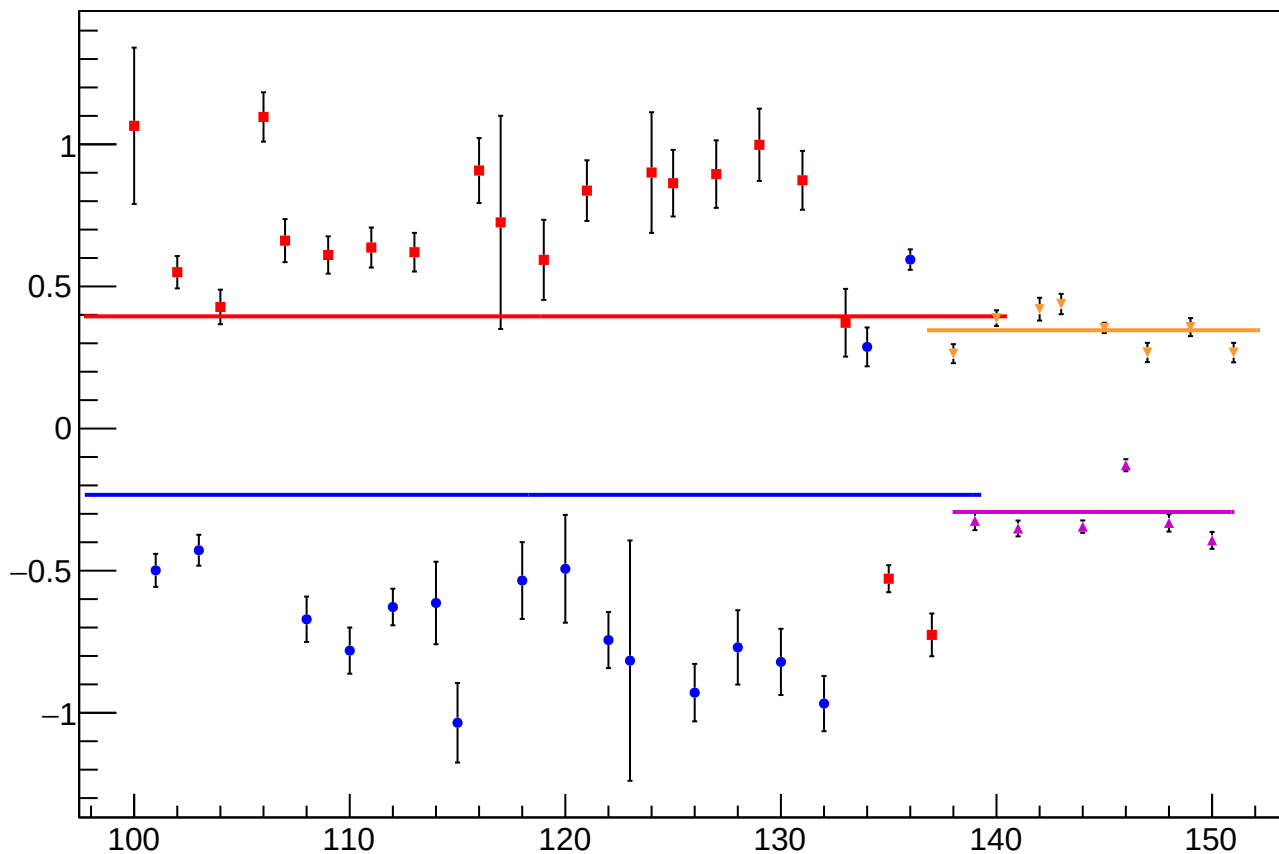
Left In: -5.440 ± 0.204 χ^2/NDF : 237.0/5

4.137 ± 0.177 χ^2/NDF : 838.3/24

-0.222 ± 0.125 χ^2/NDF : 2626.5/50

-4.566 ± 0.177 χ^2/NDF : 575.8/25

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: 0.346 ± 0.010 χ^2/NDF : 29.4/7

Right Out: 0.395 ± 0.019 χ^2/NDF : 845.9/19

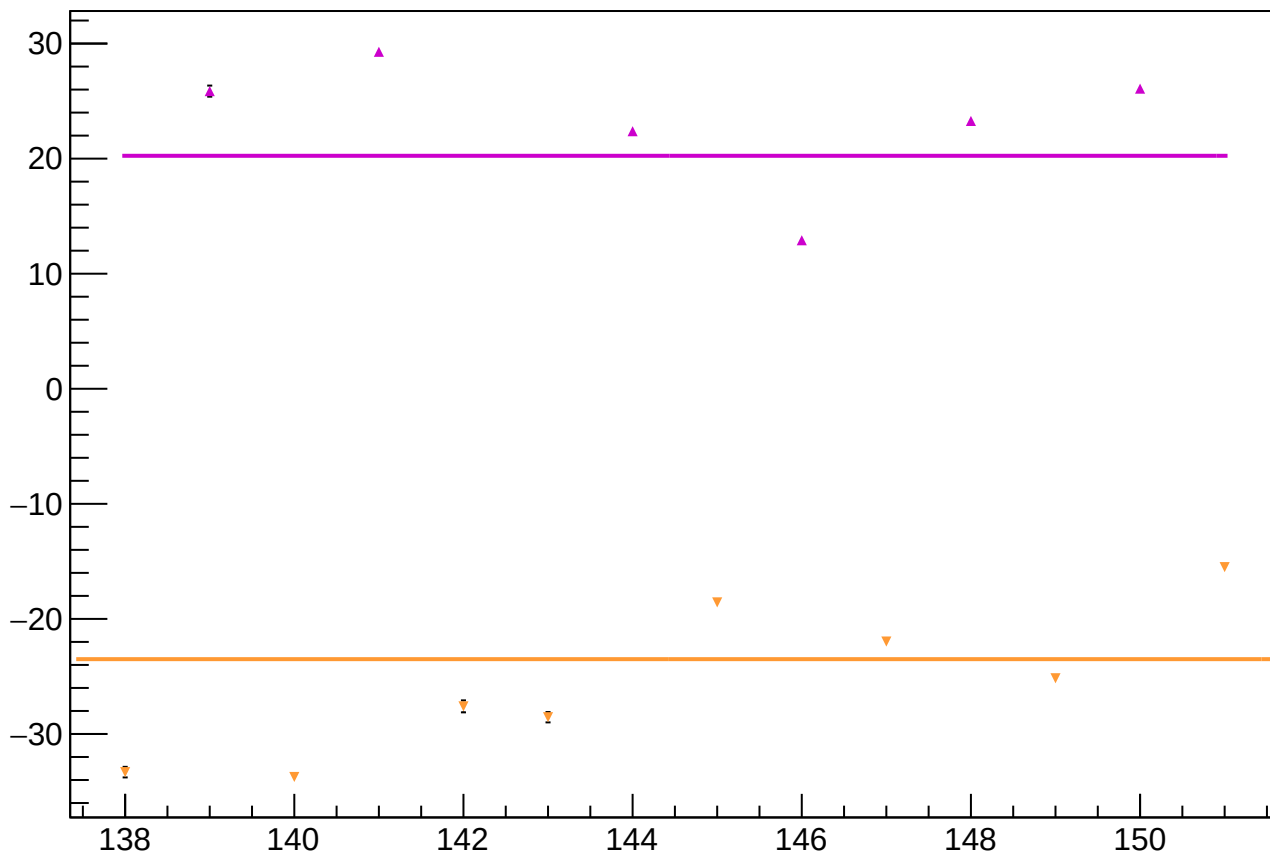
Left In: -0.293 ± 0.011 χ^2/NDF : 84.0/5

0.212 ± 0.009 χ^2/NDF : 1708.2/24

0.047 ± 0.007 χ^2/NDF : 4320.5/50

-0.127 ± 0.009 χ^2/NDF : 1929.3/25

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: -23.498+/-0.119 χ^2/NDF : 2680.9/7

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

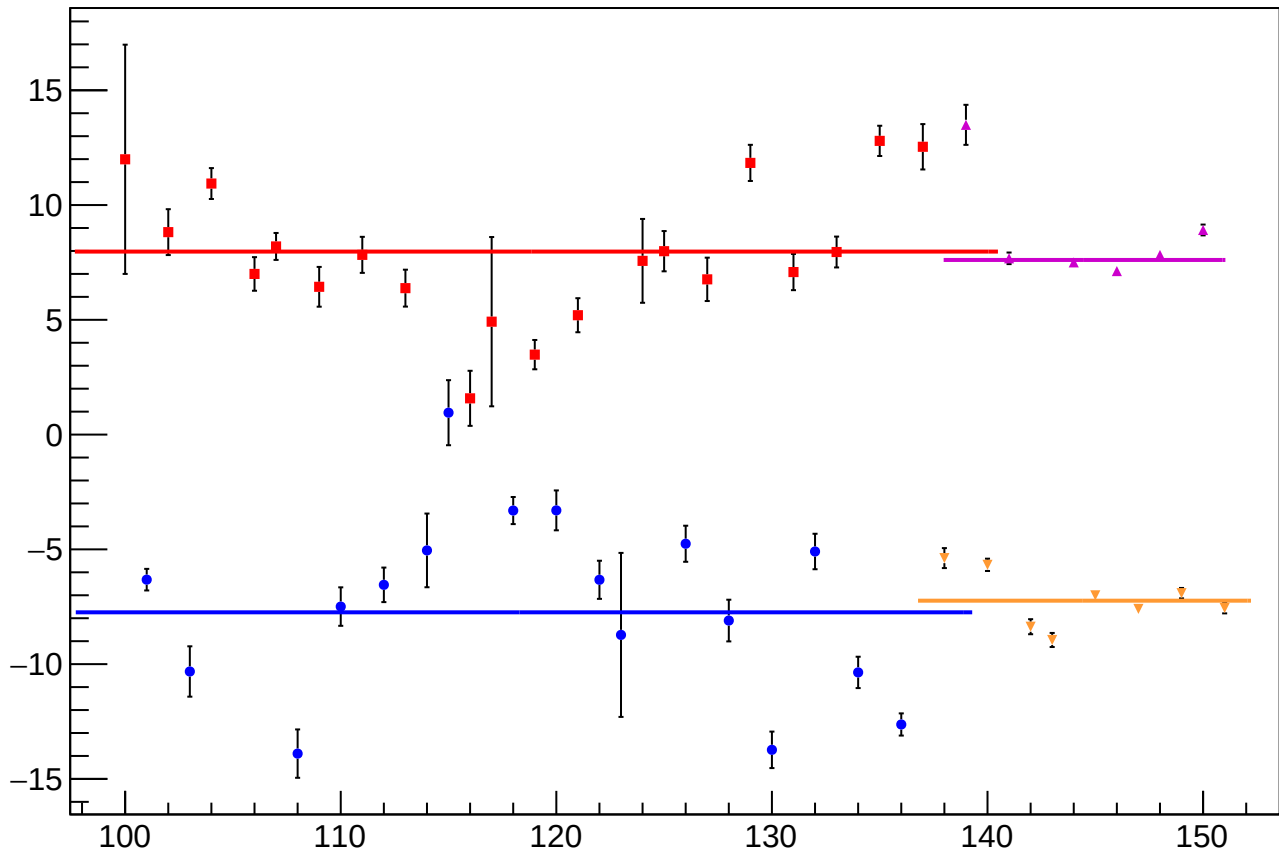
Left In: 20.246+/-0.114 χ^2/NDF : 2751.5/5

-23.498+/-0.119 χ^2/NDF : 2680.9/7

-0.785+/-0.082 χ^2/NDF : 75847.4/13

20.246+/-0.114 χ^2/NDF : 2751.5/5

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: -7.236 ± 0.081 χ^2/NDF : 105.8/7

Right Out: 7.973 ± 0.186 χ^2/NDF : 224.2/19

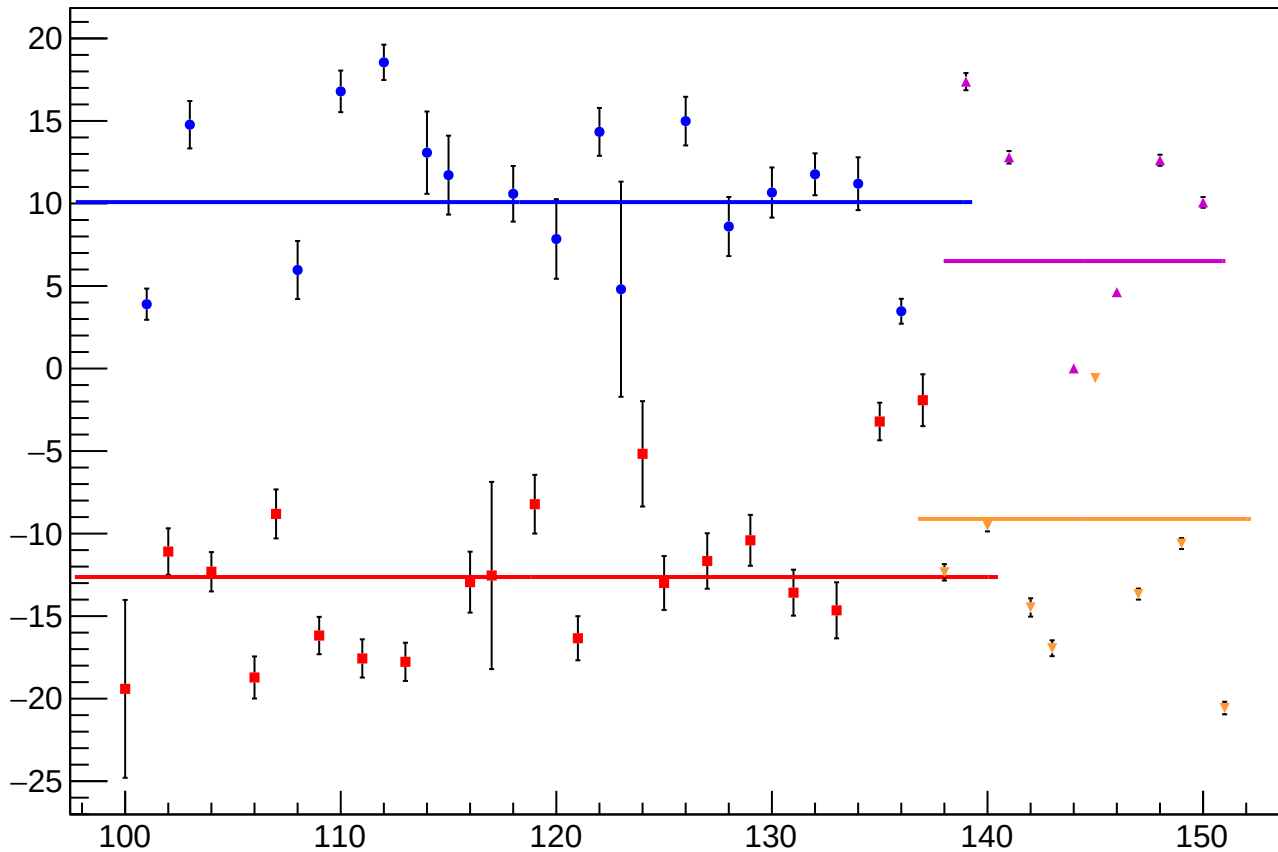
Left In: 7.608 ± 0.074 χ^2/NDF : 95.6/5

-7.316 ± 0.075 χ^2/NDF : 489.5/24

0.742 ± 0.051 χ^2/NDF : 22490.9/50

7.658 ± 0.069 χ^2/NDF : 323.2/25

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: -9.112 ± 0.121 χ^2/NDF : 3231.8/7

Right Out: -12.631 ± 0.332 χ^2/NDF : 218.6/19

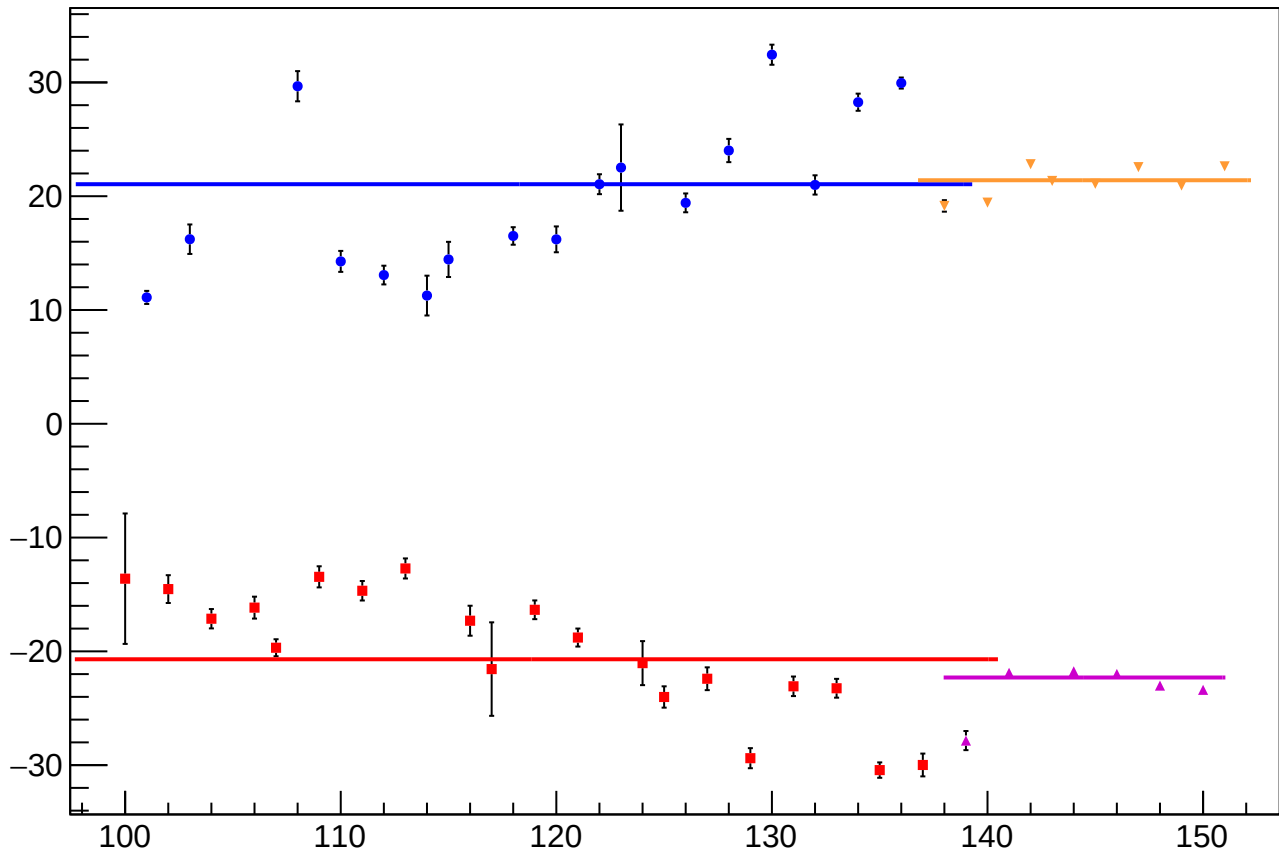
Left In: 6.510 ± 0.114 χ^2/NDF : 2003.1/5

-6.924 ± 0.114 χ^2/NDF : 6343.3/24

-0.894 ± 0.078 χ^2/NDF : 16828.1/50

4.493 ± 0.108 χ^2/NDF : 5193.9/25

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: 21.402 ± 0.100 $\chi^2/\text{NDF}: 115.5/7$

Right Out: -20.696 ± 0.212 $\chi^2/\text{NDF}: 724.1/19$

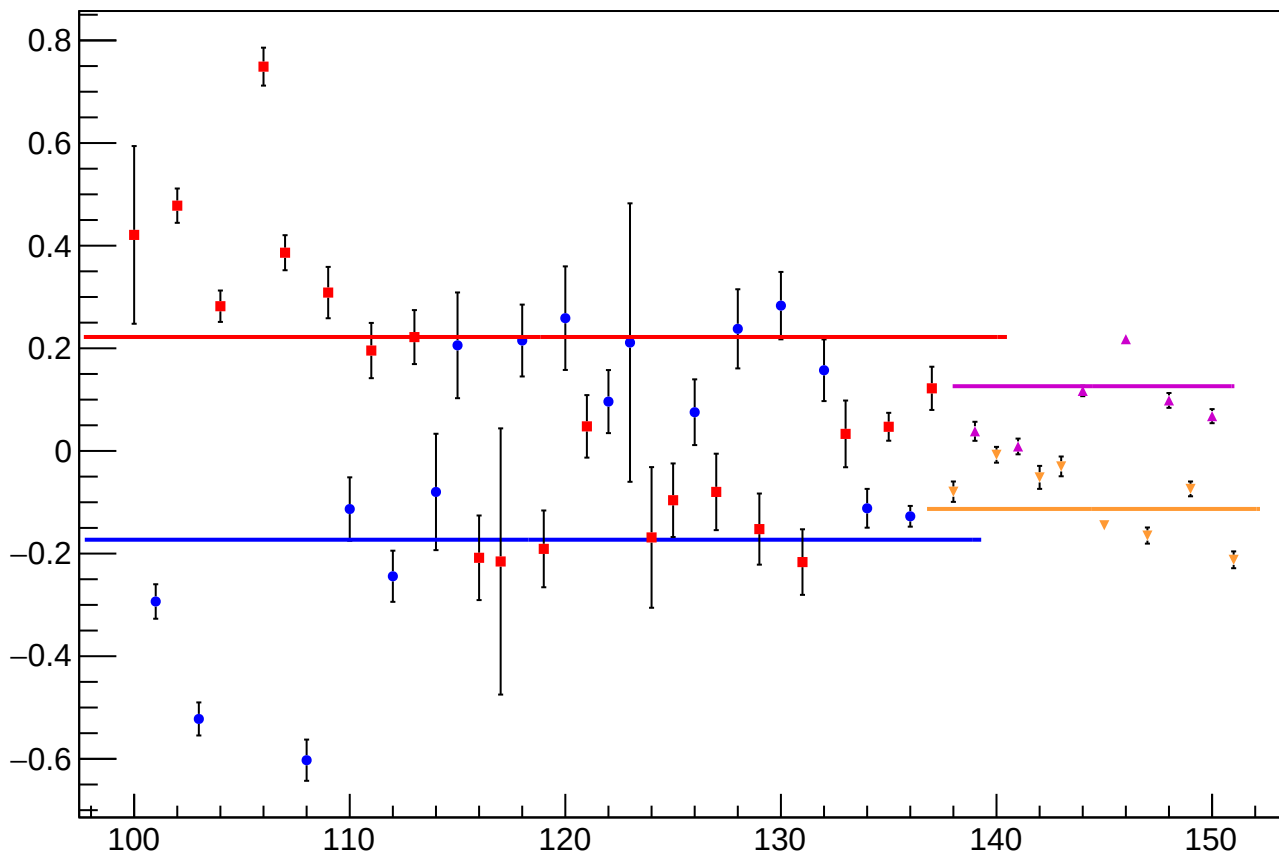
Left In: -22.299 ± 0.093 $\chi^2/\text{NDF}: 82.4/5$

21.338 ± 0.091 $\chi^2/\text{NDF}: 1329.5/24$

-1.759 ± 0.062 $\chi^2/\text{NDF}: 124169.1/50$

-22.043 ± 0.085 $\chi^2/\text{NDF}: 854.4/25$

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 ± 0.005 χ^2/NDF : 146.2/7

Right Out: 0.222 ± 0.011 χ^2/NDF : 538.0/19

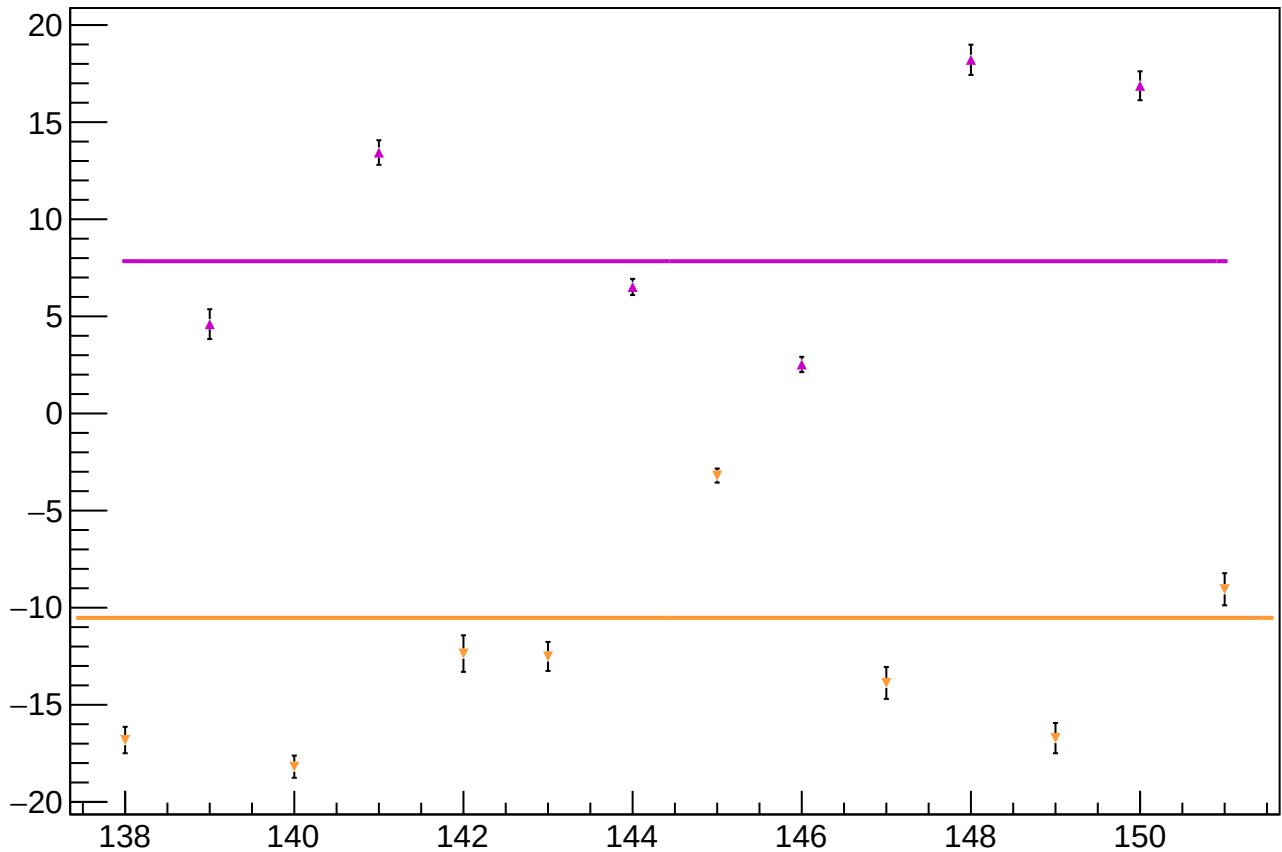
Left In: 0.126 ± 0.005 χ^2/NDF : 221.2/5

-0.123 ± 0.005 χ^2/NDF : 631.8/24

0.012 ± 0.003 χ^2/NDF : 3151.9/50

0.142 ± 0.005 χ^2/NDF : 822.9/25

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -10.523+/-0.222 χ^2/NDF : 766.7/7

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

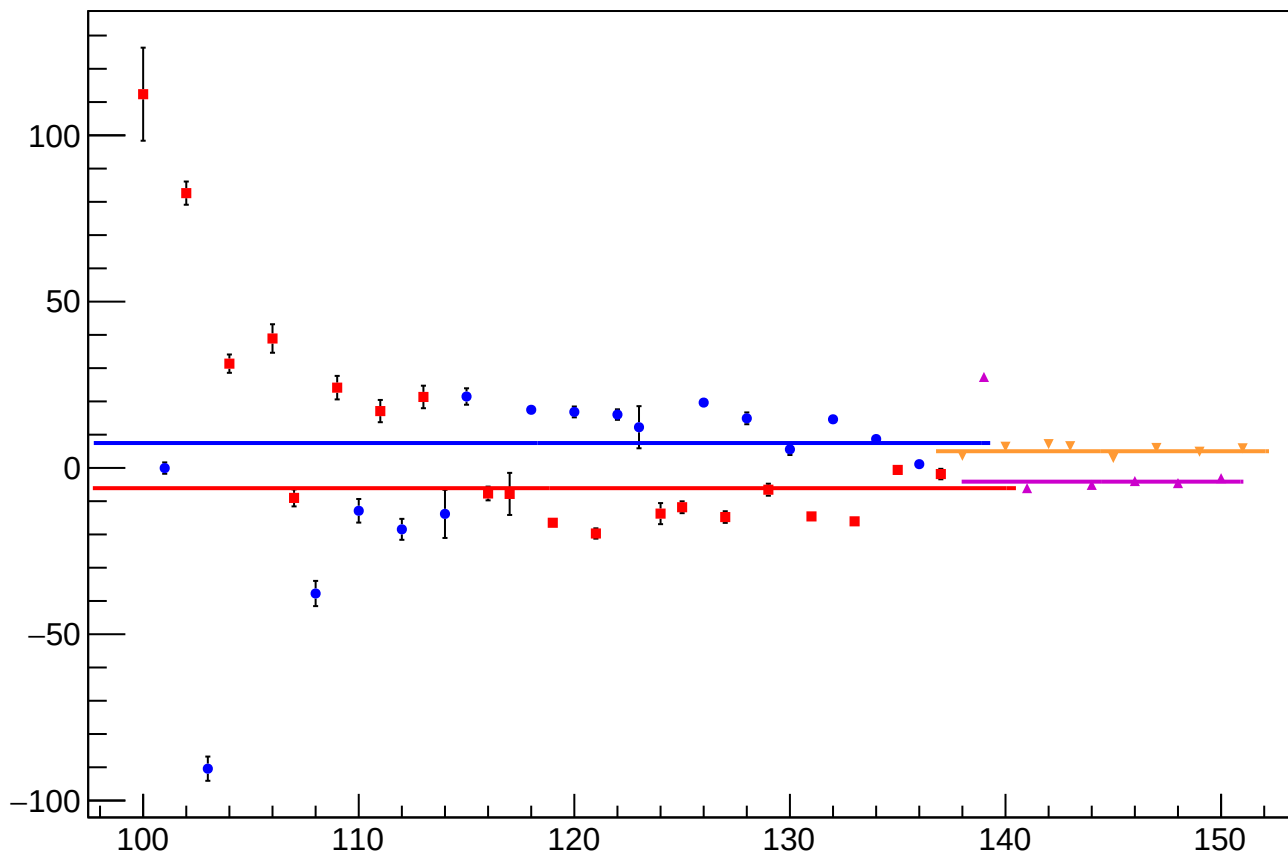
Left In: 7.841+/-0.225 χ^2/NDF : 612.2/5

-10.523+/-0.222 χ^2/NDF : 766.7/7

-1.456+/-0.158 χ^2/NDF : 4765.1/13

7.841+/-0.225 χ^2/NDF : 612.2/5

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.488 ± 0.407 χ^2/NDF : 1340.5/16

Left Out: 5.023 ± 0.157 χ^2/NDF : 94.1/7

Right Out: -6.086 ± 0.433 χ^2/NDF : 1512.2/19

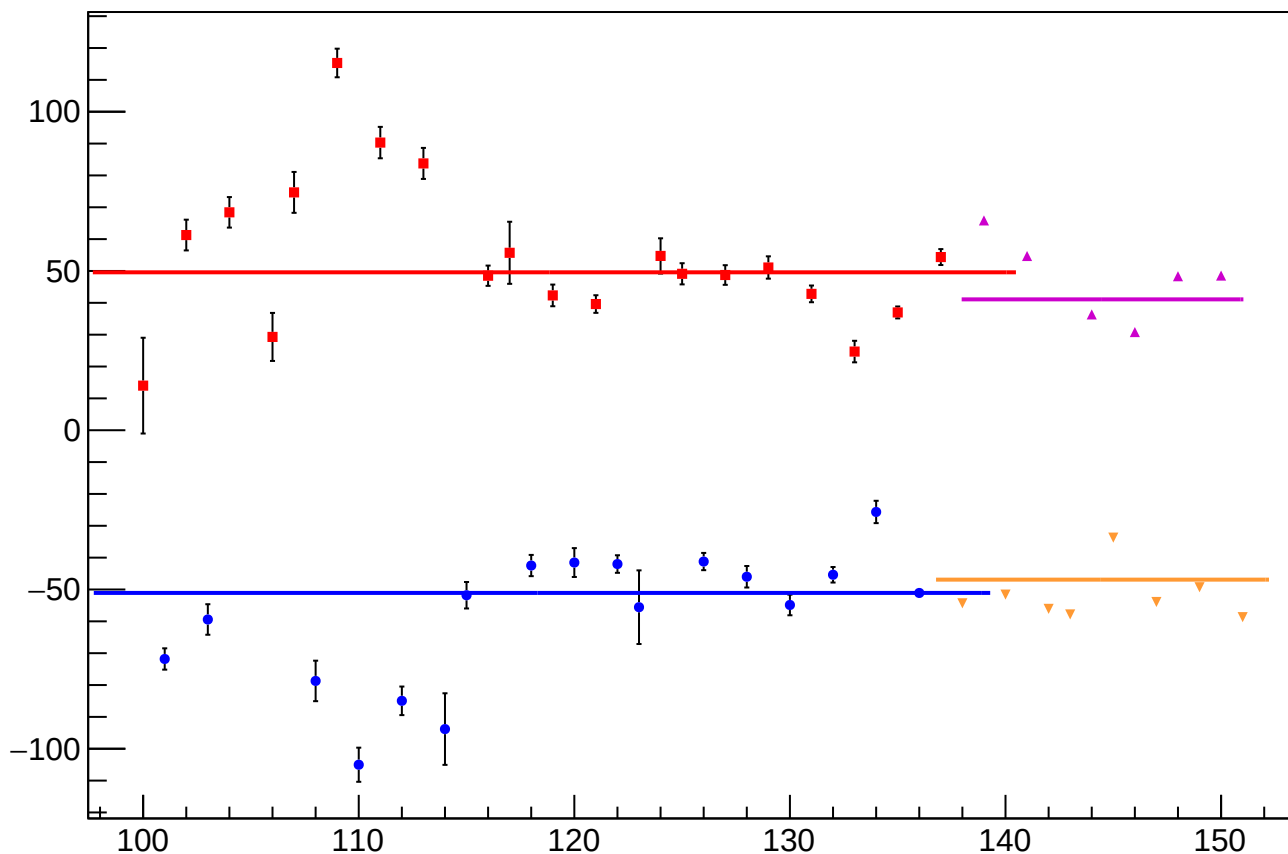
Left In: -4.127 ± 0.152 χ^2/NDF : 554.9/5

5.342 ± 0.146 χ^2/NDF : 1466.6/24

0.388 ± 0.102 χ^2/NDF : 5790.0/50

-4.340 ± 0.143 χ^2/NDF : 2085.3/25

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: -46.907 ± 0.230 χ^2/NDF : 1906.3/7

Right Out: 49.579 ± 0.796 χ^2/NDF : 510.0/19

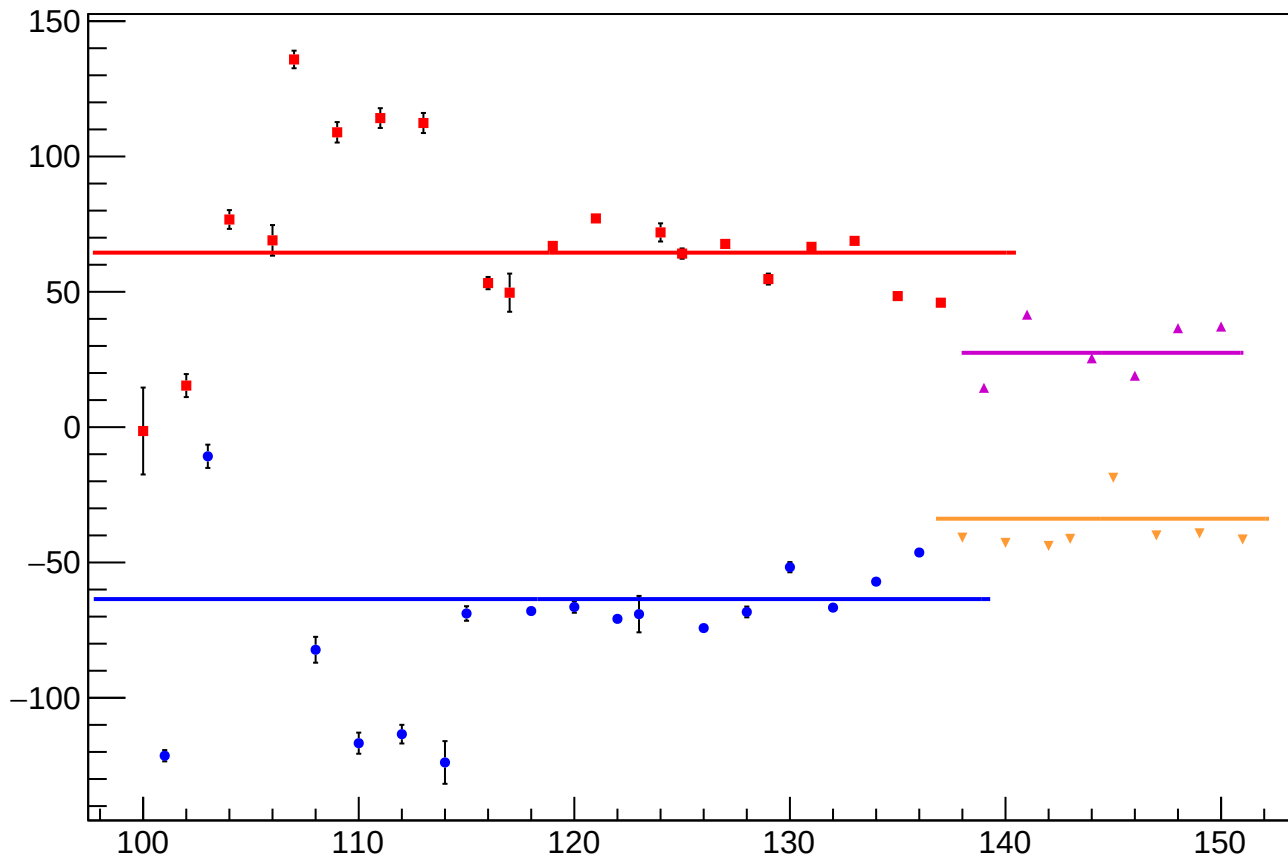
Left In: 41.085 ± 0.226 χ^2/NDF : 2352.5/5

-47.273 ± 0.219 χ^2/NDF : 2265.4/24

-2.396 ± 0.155 χ^2/NDF : 88137.3/50

41.720 ± 0.218 χ^2/NDF : 2967.9/25

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -63.525+/-0.449 χ^2/NDF : 2010.9/16

Left Out: -33.828+/-0.192 χ^2/NDF : 3096.9/7

Right Out: 64.470+/-0.482 χ^2/NDF : 1607.5/19

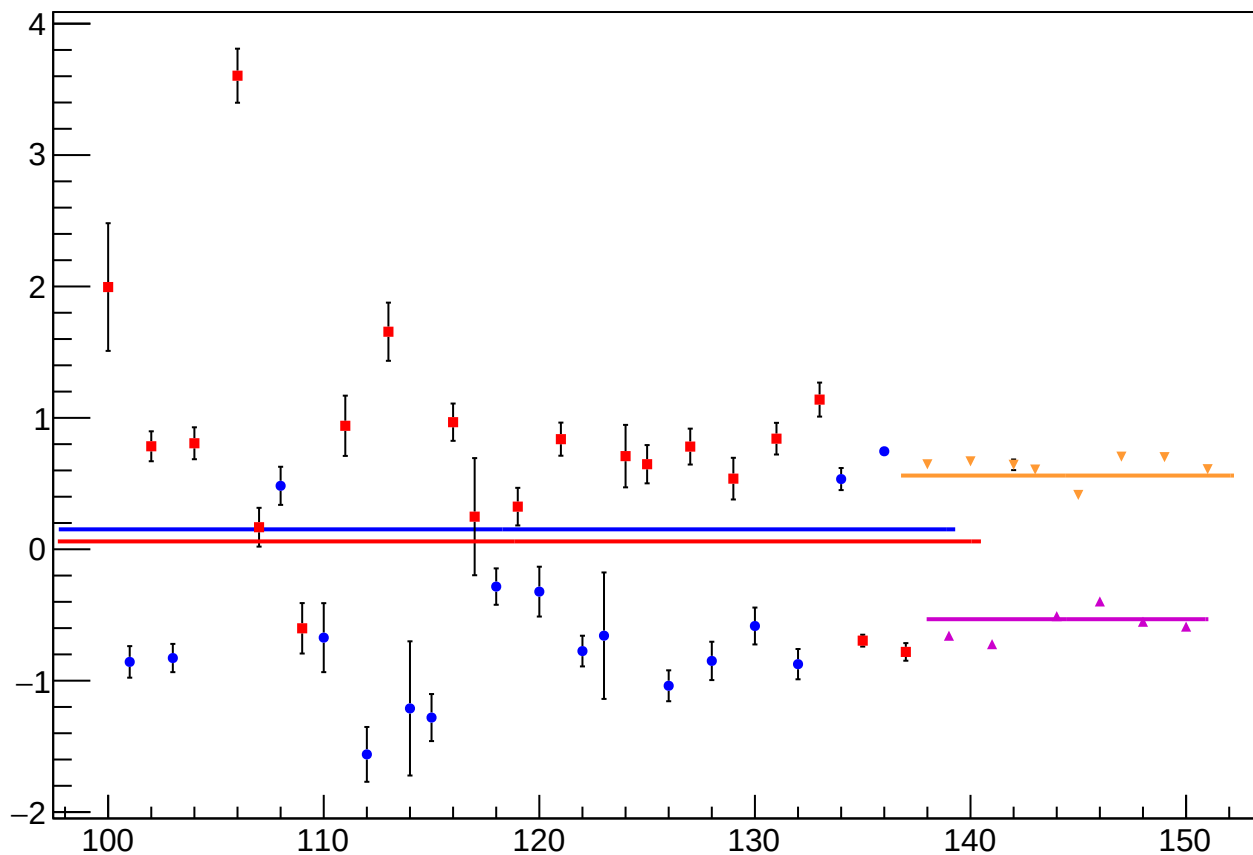
Left In: 27.465+/-0.187 χ^2/NDF : 2099.5/5

-38.409+/-0.176 χ^2/NDF : 8813.1/24

-2.654+/-0.124 χ^2/NDF : 99077.2/50

32.304+/-0.174 χ^2/NDF : 8834.2/25

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: 0.561 ± 0.009 $\chi^2/\text{NDF}: 162.7/7$

Right Out: 0.060 ± 0.026 $\chi^2/\text{NDF}: 1162.1/19$

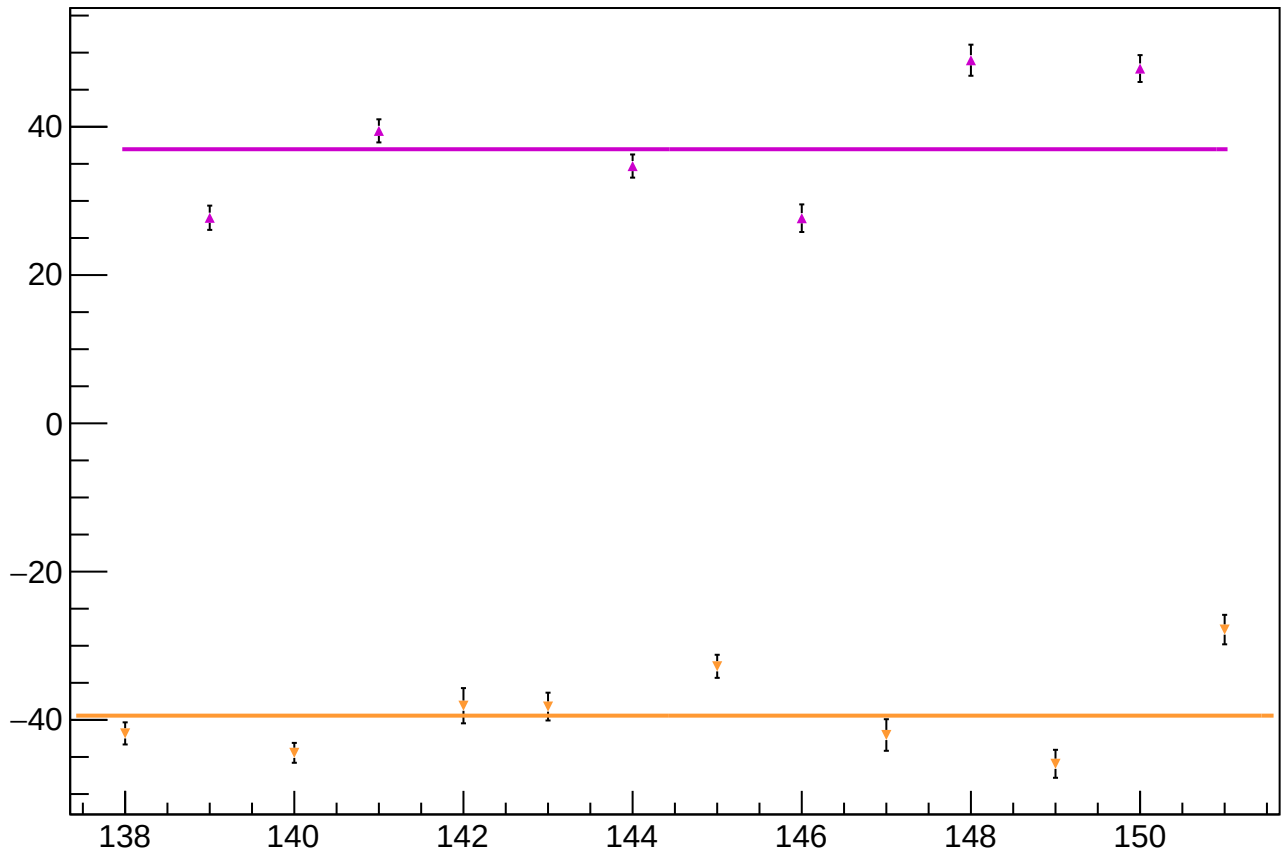
Left In: -0.532 ± 0.010 $\chi^2/\text{NDF}: 129.7/5$

0.506 ± 0.009 $\chi^2/\text{NDF}: 1401.1/24$

0.039 ± 0.006 $\chi^2/\text{NDF}: 8936.4/50$

-0.461 ± 0.009 $\chi^2/\text{NDF}: 1739.0/25$

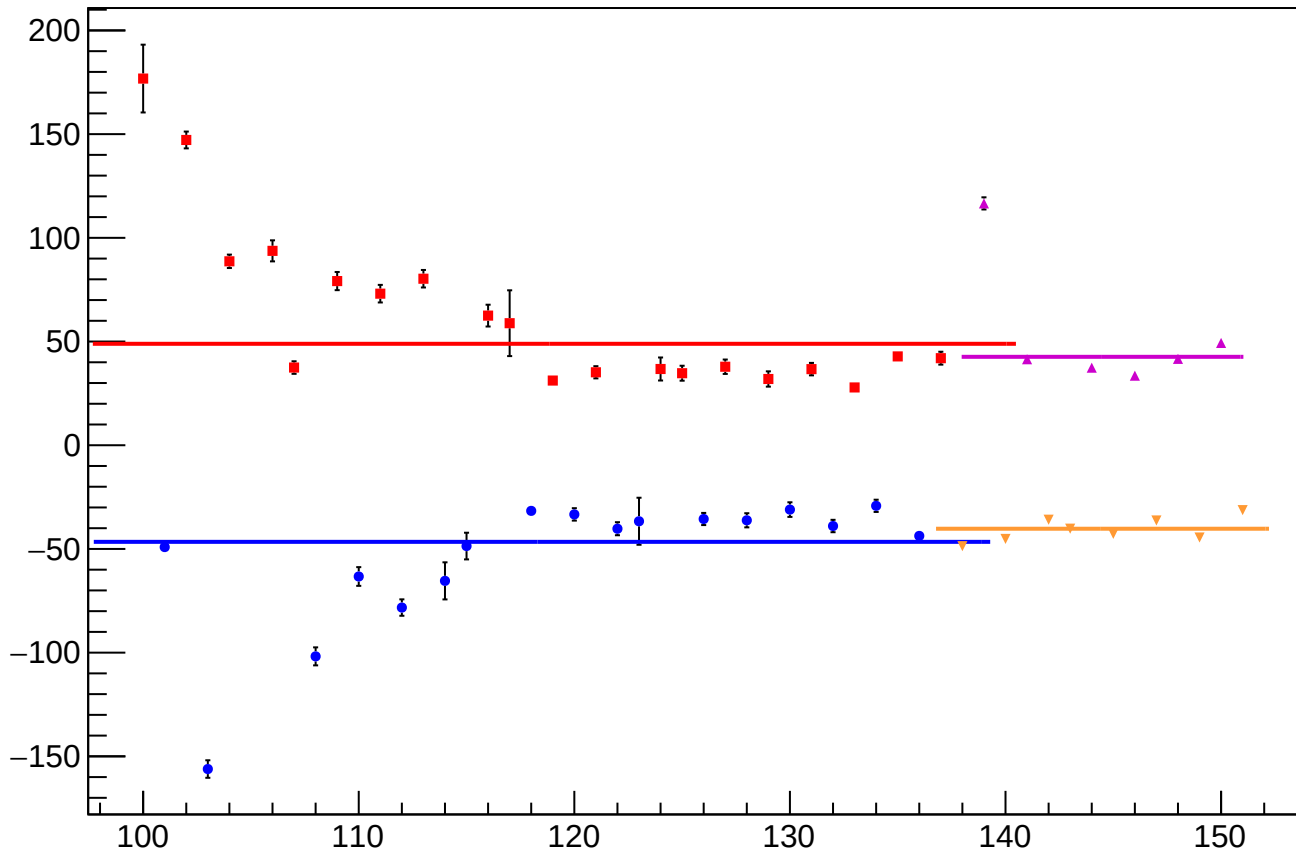
reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -39.425+/-0.616 χ^2/NDF :83.0/7
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 36.972+/-0.704 χ^2/NDF :130.4/5

-39.425+/-0.616 χ^2/NDF : 83.0/7
 -6.307+/-0.464 χ^2/NDF : 6875.7/13
 36.972+/-0.704 χ^2/NDF : 130.4/5

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -46.579 ± 0.730 $\chi^2/\text{NDF}: 1076.4/16$

Left Out: -40.256 ± 0.433 $\chi^2/\text{NDF}: 150.2/7$

Right Out: 48.911 ± 0.763 $\chi^2/\text{NDF}: 1277.9/19$

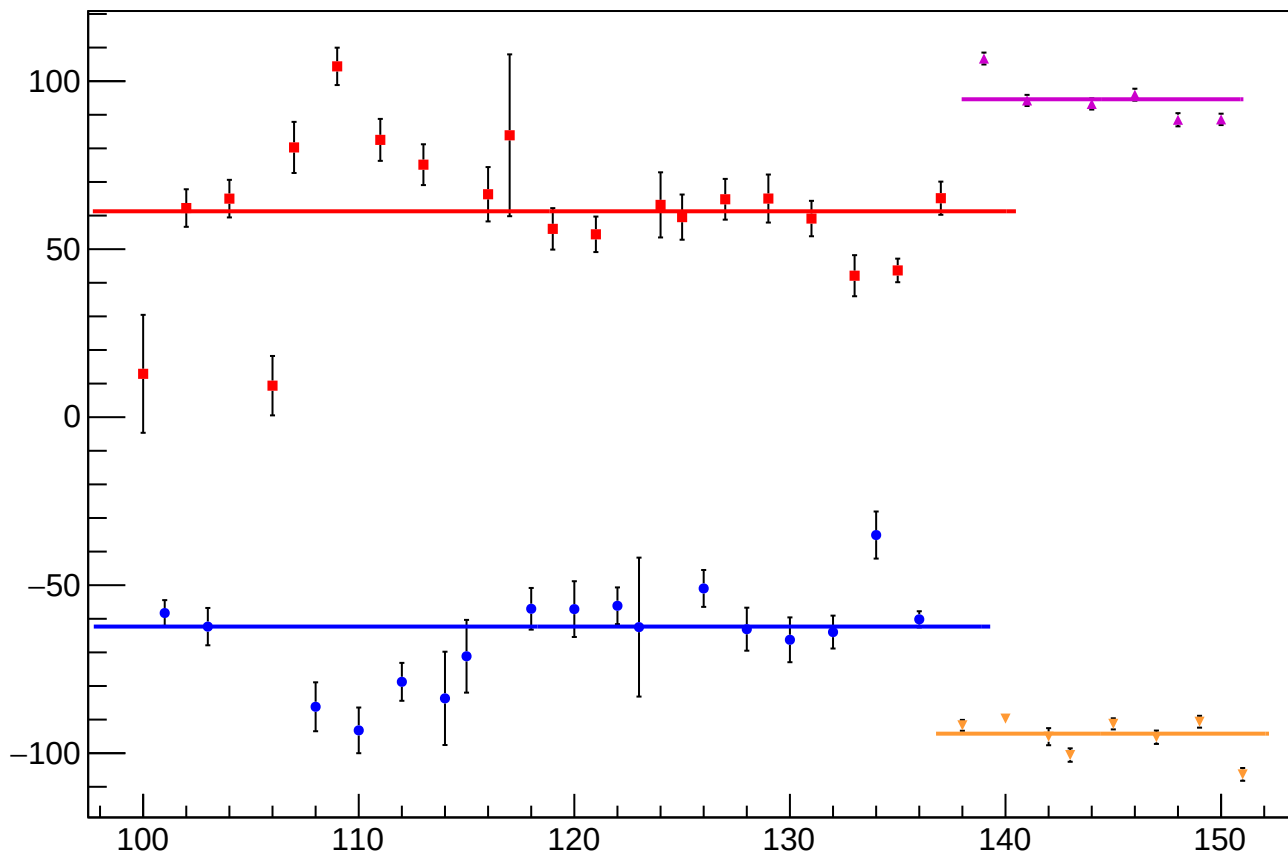
Left In: 42.634 ± 0.493 $\chi^2/\text{NDF}: 755.1/5$

-41.902 ± 0.372 $\chi^2/\text{NDF}: 1282.2/24$

-3.260 ± 0.277 $\chi^2/\text{NDF}: 27437.8/50$

44.483 ± 0.414 $\chi^2/\text{NDF}: 2080.8/25$

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: -94.186 ± 0.634 χ^2/NDF : 70.5/7

Right Out: 61.277 ± 1.379 χ^2/NDF : 165.9/19

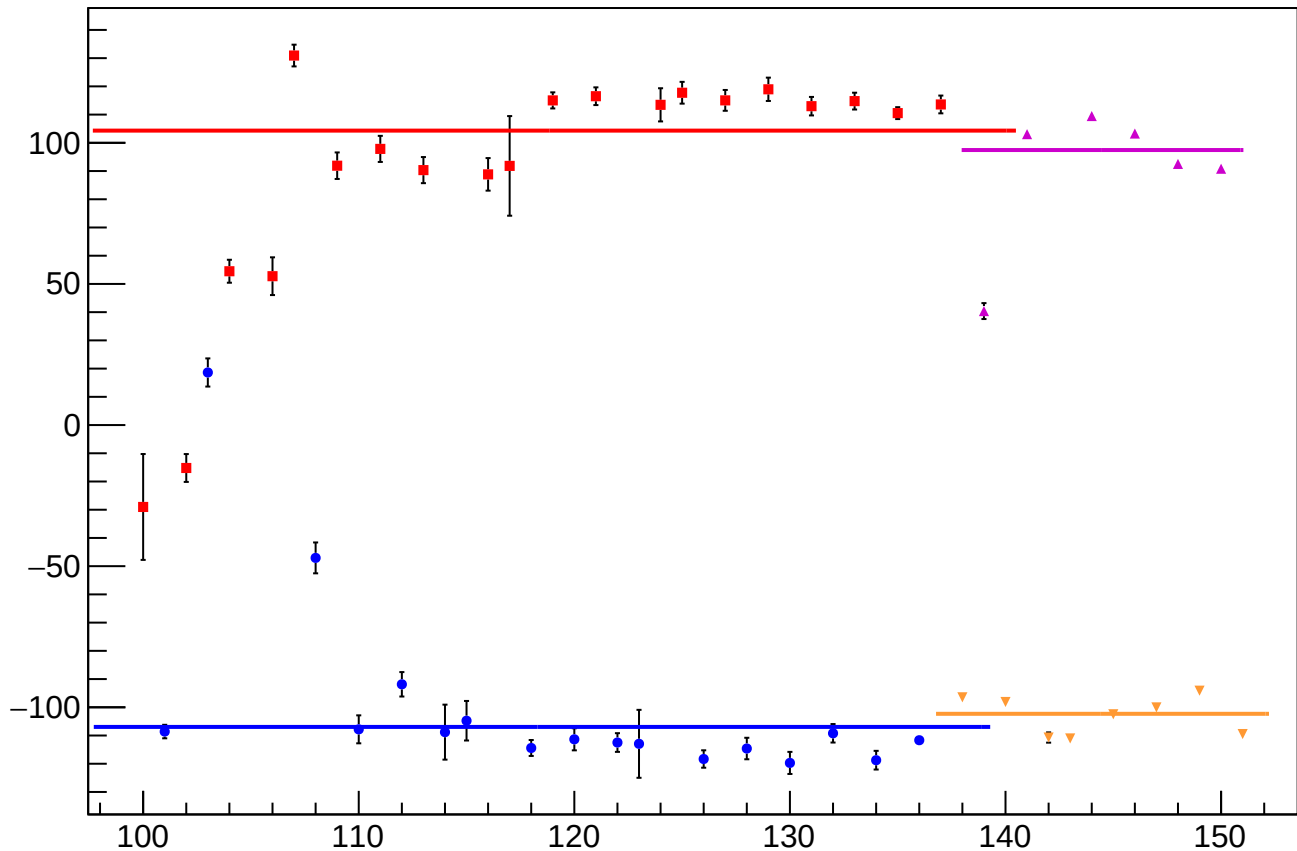
Left In: 94.616 ± 0.714 χ^2/NDF : 70.2/5

-88.187 ± 0.571 χ^2/NDF : 614.0/24

-9.523 ± 0.424 χ^2/NDF : 43744.7/50

87.564 ± 0.634 χ^2/NDF : 697.1/25

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: -102.308 ± 0.533 χ^2/NDF : 131.3/7

Right Out: 104.326 ± 0.860 χ^2/NDF : 1021.5/19

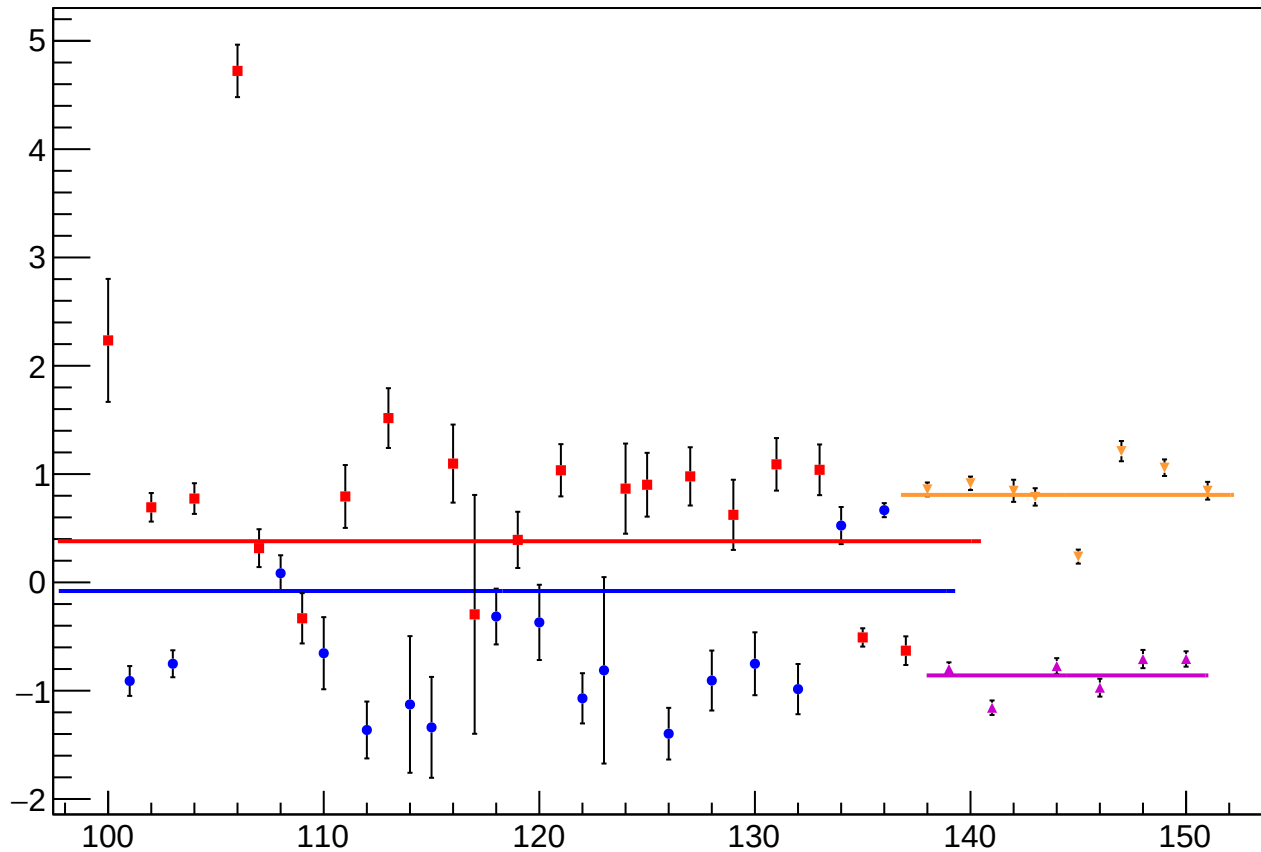
Left In: 97.443 ± 0.605 χ^2/NDF : 560.1/5

-103.694 ± 0.446 χ^2/NDF : 981.3/24

-12.493 ± 0.331 χ^2/NDF : 95748.0/50

99.722 ± 0.495 χ^2/NDF : 1624.4/25

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: 0.808 ± 0.026 χ^2/NDF : 110.7/7

Right Out: 0.380 ± 0.044 χ^2/NDF : 580.9/19

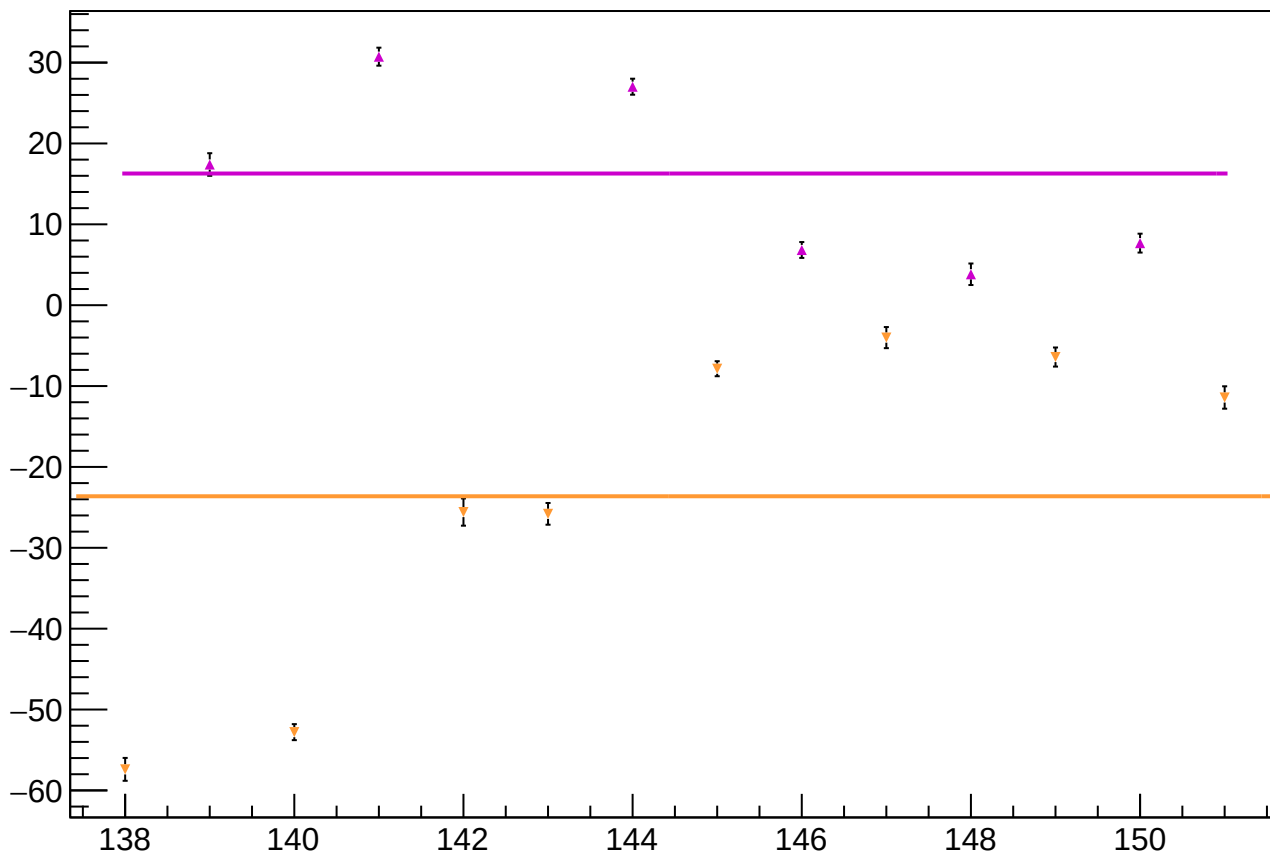
Left In: -0.859 ± 0.029 χ^2/NDF : 31.8/5

0.558 ± 0.022 χ^2/NDF : 755.7/24

0.085 ± 0.017 χ^2/NDF : 2887.2/50

-0.476 ± 0.024 χ^2/NDF : 1161.2/25

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: -23.628+/-0.430 χ^2/NDF : 2246.1/7

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

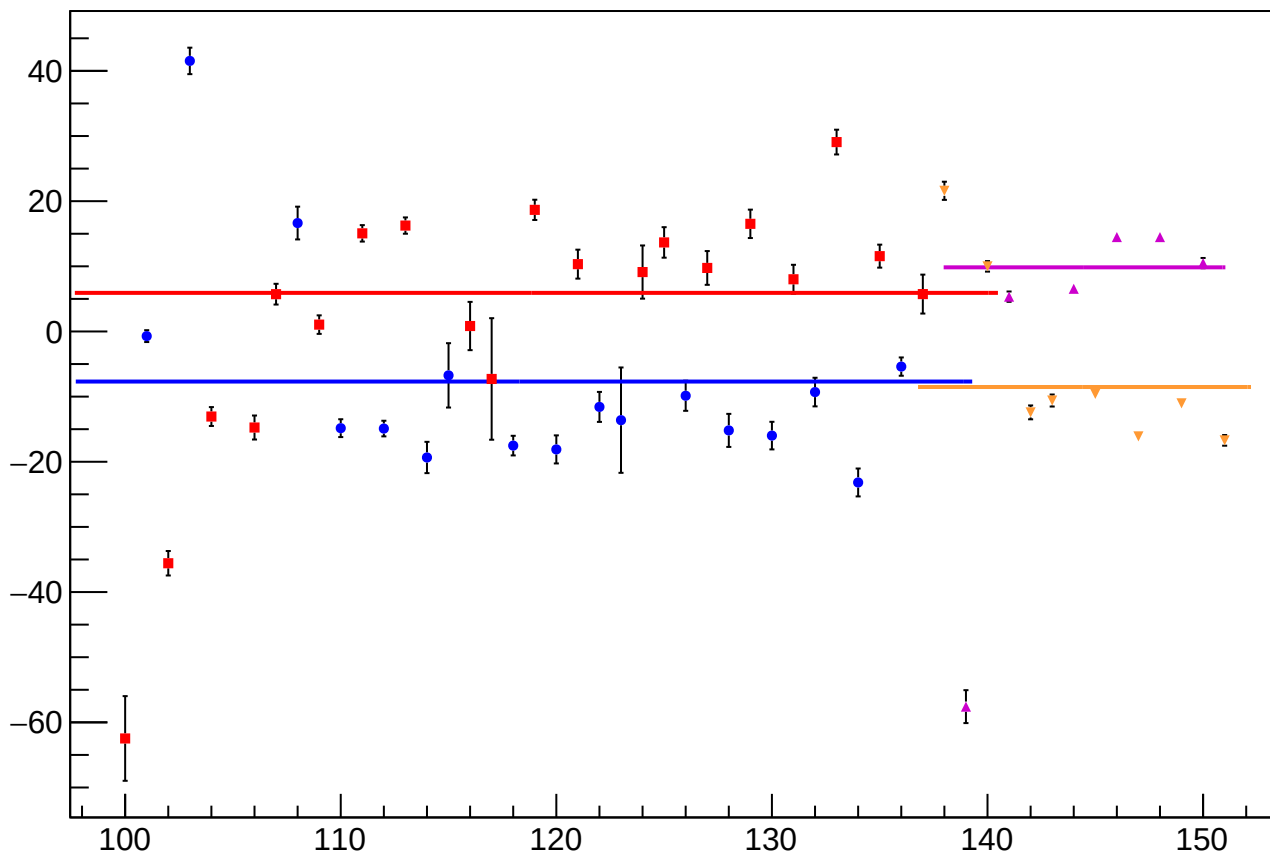
Left In: 16.282+/-0.462 χ^2/NDF : 522.3/5

-23.628+/-0.430 χ^2/NDF : 2246.1/7

-5.110+/-0.315 χ^2/NDF : 6767.5/13

16.282+/-0.462 χ^2/NDF : 522.3/5

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: -8.525 ± 0.293 χ^2/NDF : 1271.7/7

Right Out: 5.925 ± 0.428 χ^2/NDF : 1300.1/19

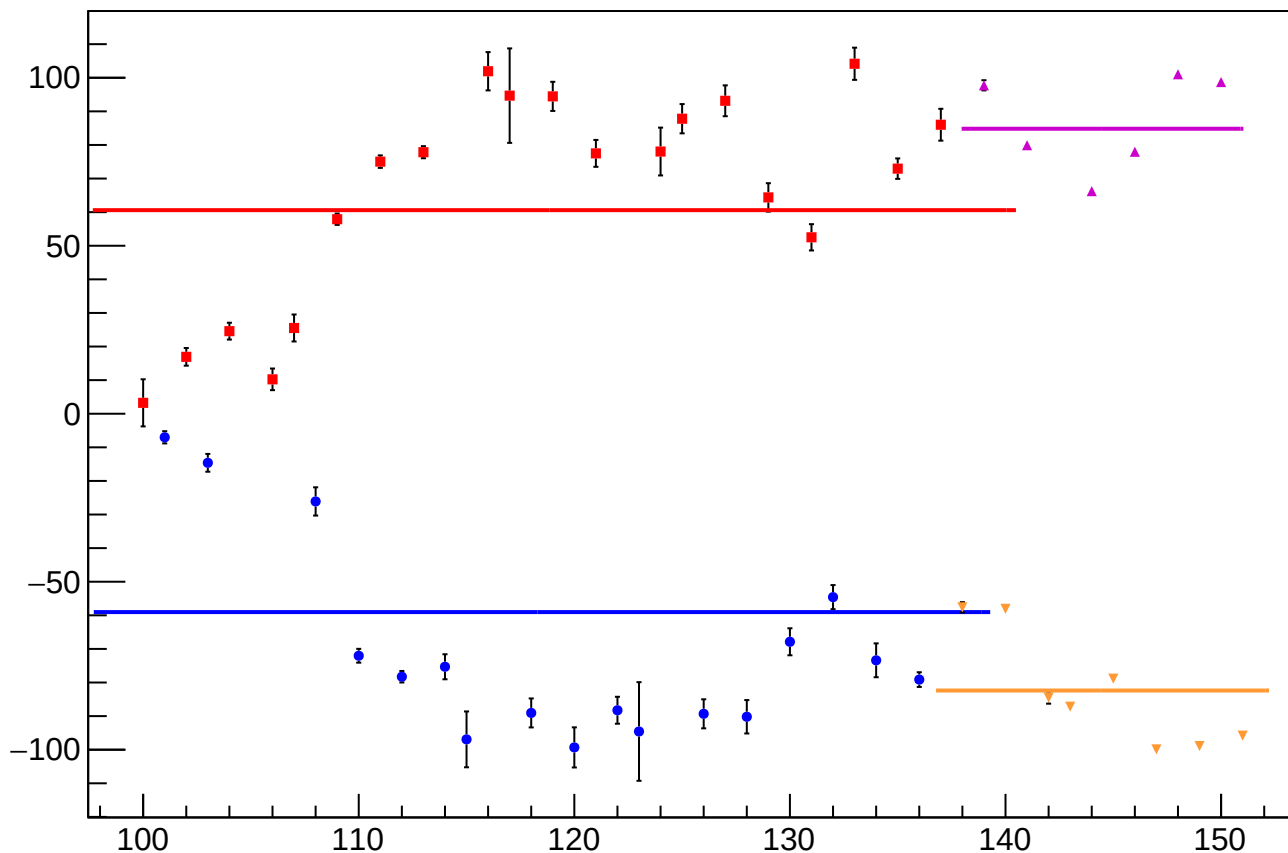
Left In: 9.844 ± 0.310 χ^2/NDF : 875.0/5

-8.259 ± 0.242 χ^2/NDF : 2250.3/24

-0.195 ± 0.174 χ^2/NDF : 6784.1/50

8.495 ± 0.251 χ^2/NDF : 2229.9/25

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: -82.383+/-0.438 χ^2/NDF :1351.4/7

Right Out: 60.593+/-0.704 χ^2/NDF : 1390.7/19

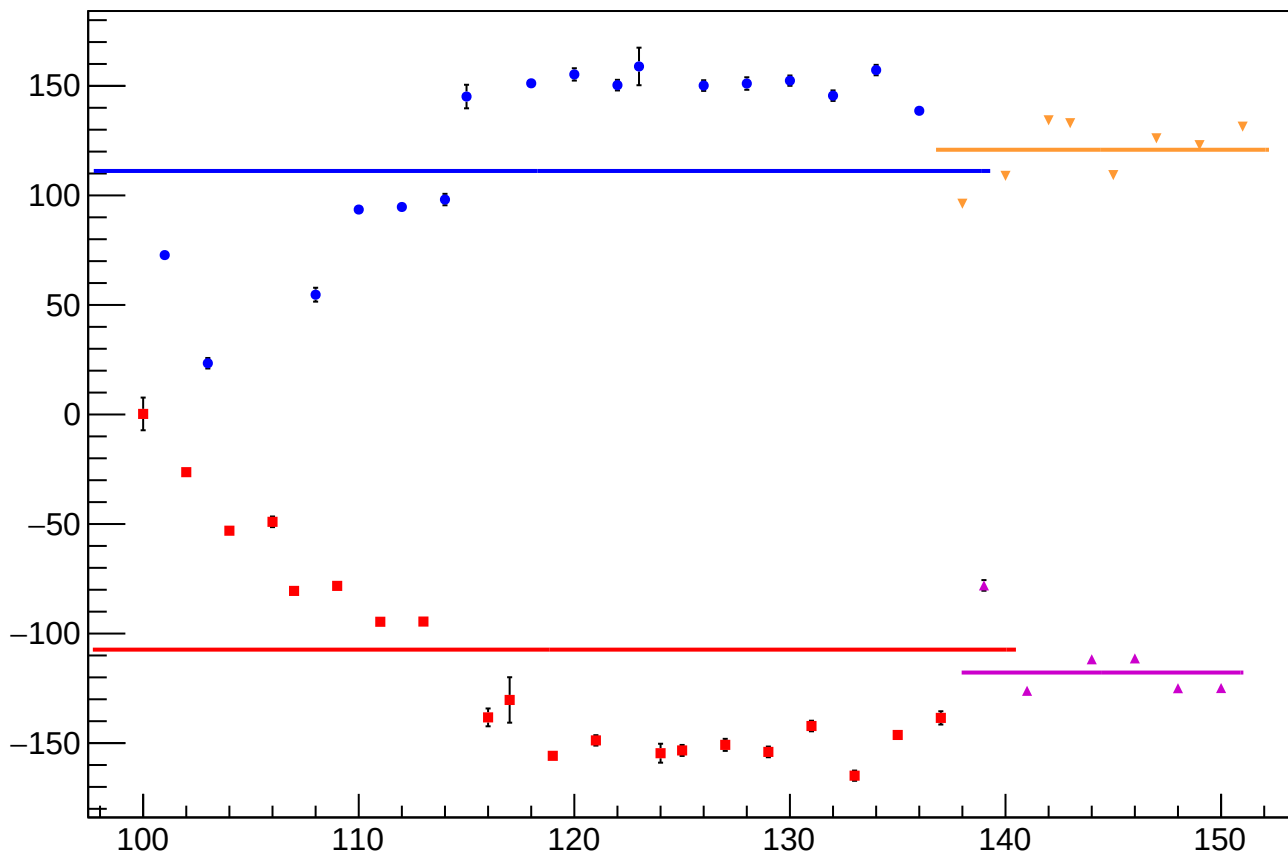
Left In: 84.823+/-0.463 χ^2/NDF :782.0/5

-76.399+/-0.378 χ^2/NDF : 3789.8/24

-1.370+/-0.270 χ^2/NDF : 87798.3/50

77.490+/-0.387 χ^2/NDF : 2999.8/25

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: 120.845 $\pm$ 0.362 χ^2 /NDF: 930.8/7

Right Out: -107.334 $\pm$ 0.487 χ^2 /NDF: 7060.0/19

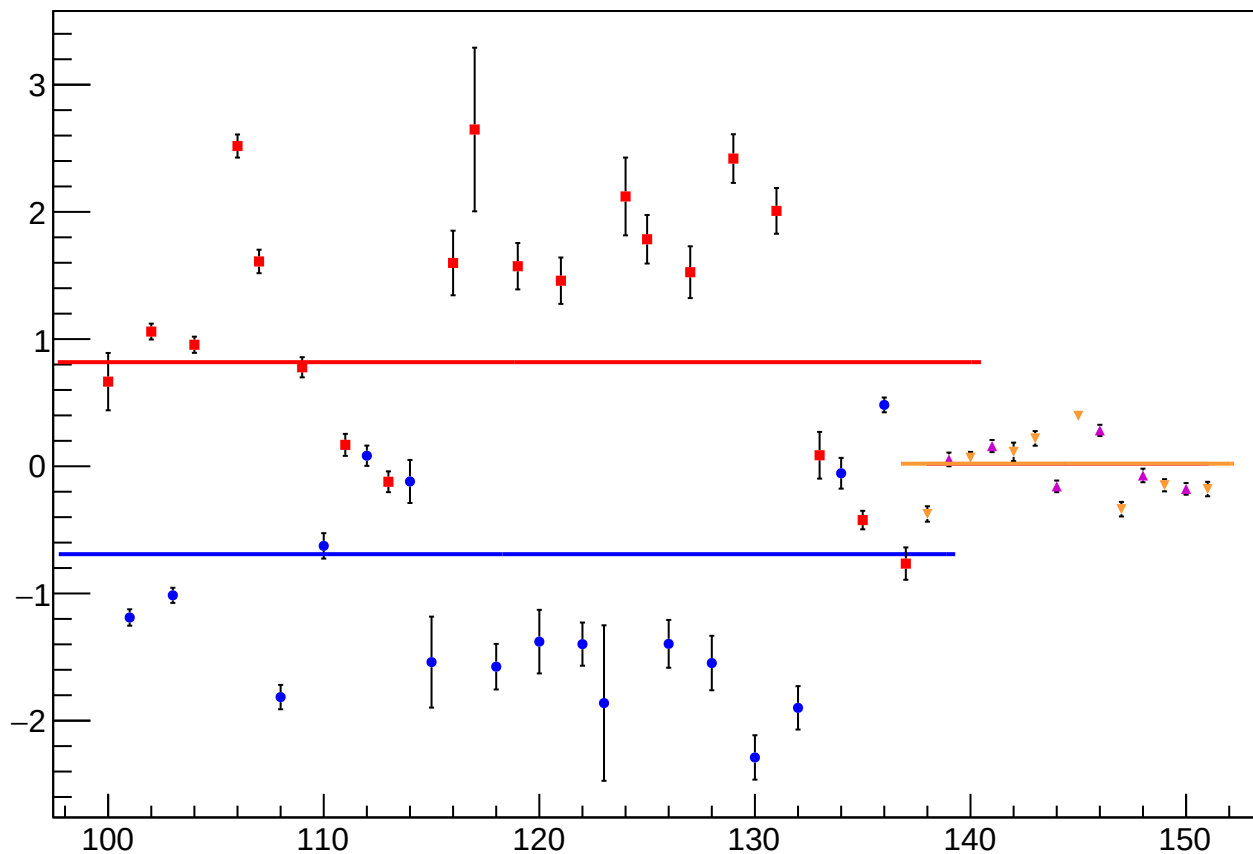
Left In: -117.795 $\pm$ 0.383 χ^2 /NDF: 588.5/5

117.414 $\pm$ 0.291 χ^2 /NDF: 7061.7/24

5.797 $\pm$ 0.209 χ^2 /NDF: 319713.4/50

-113.795 $\pm$ 0.301 χ^2 /NDF: 7933.4/25

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: 0.020 ± 0.018 χ^2/NDF : 216.2/7

Right Out: 0.819 ± 0.024 χ^2/NDF : 1312.5/19

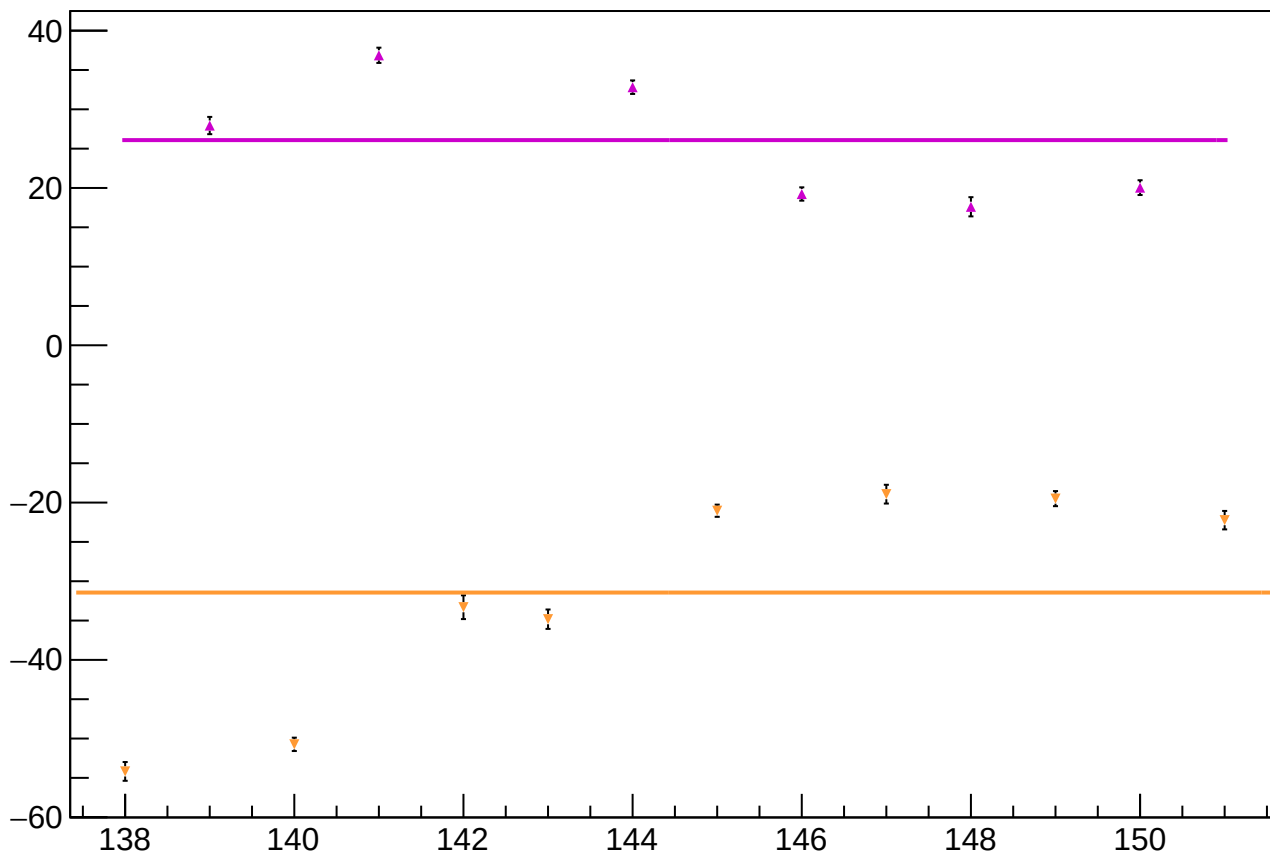
Left In: 0.019 ± 0.020 χ^2/NDF : 81.2/5

-0.219 ± 0.015 χ^2/NDF : 1711.0/24

0.052 ± 0.011 χ^2/NDF : 4425.9/50

0.333 ± 0.015 χ^2/NDF : 2049.4/25

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -31.439+/-0.369 χ^2/NDF :1393.8/7

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

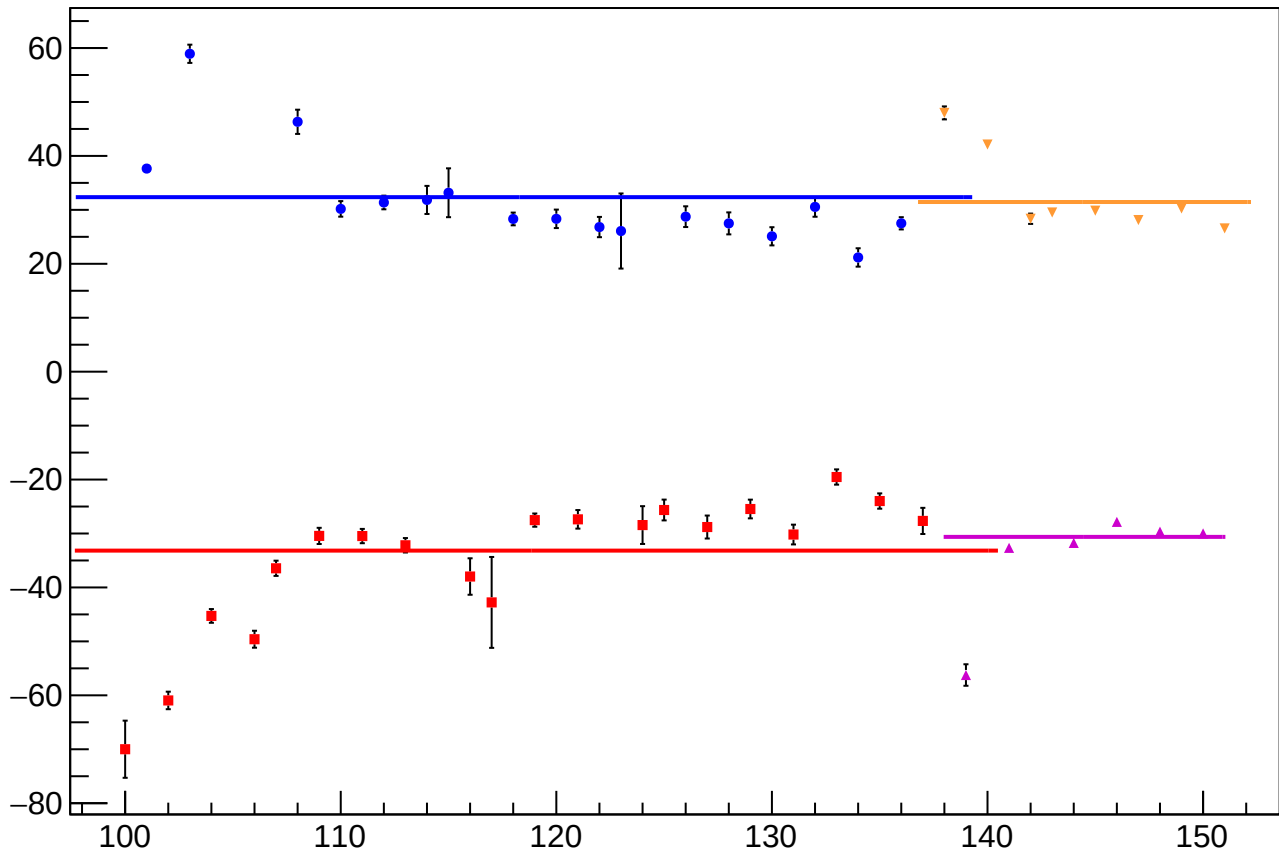
Left In: 26.085+/-0.394 χ^2/NDF :342.2/5

-31.439+/-0.369 χ^2/NDF : 1393.8/7

-4.598+/-0.269 χ^2/NDF : 13095.0/13

26.085+/-0.394 χ^2/NDF : 342.2/5

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 32.355 ± 0.375 $\chi^2/\text{NDF}: 450.5/16$

Left Out: 31.455 ± 0.255 $\chi^2/\text{NDF}: 530.3/7$

Right Out: -33.172 ± 0.378 $\chi^2/\text{NDF}: 773.3/19$

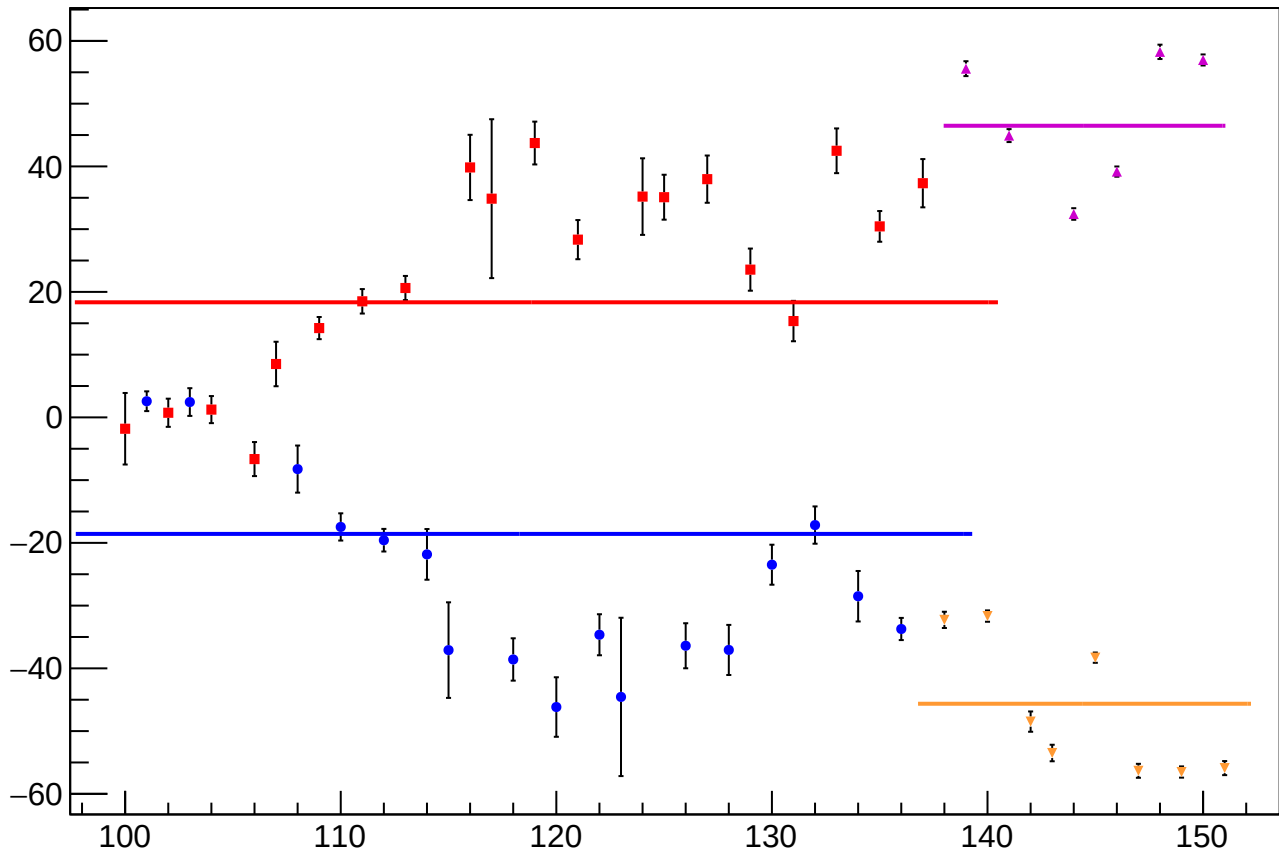
Left In: -30.626 ± 0.272 $\chi^2/\text{NDF}: 206.5/5$

31.740 ± 0.211 $\chi^2/\text{NDF}: 984.8/24$

1.543 ± 0.153 $\chi^2/\text{NDF}: 44842.7/50$

-31.492 ± 0.221 $\chi^2/\text{NDF}: 1009.6/25$

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: -45.640 ± 0.375 χ^2/NDF : 787.2/7

Right Out: 18.343 ± 0.643 χ^2/NDF : 475.1/19

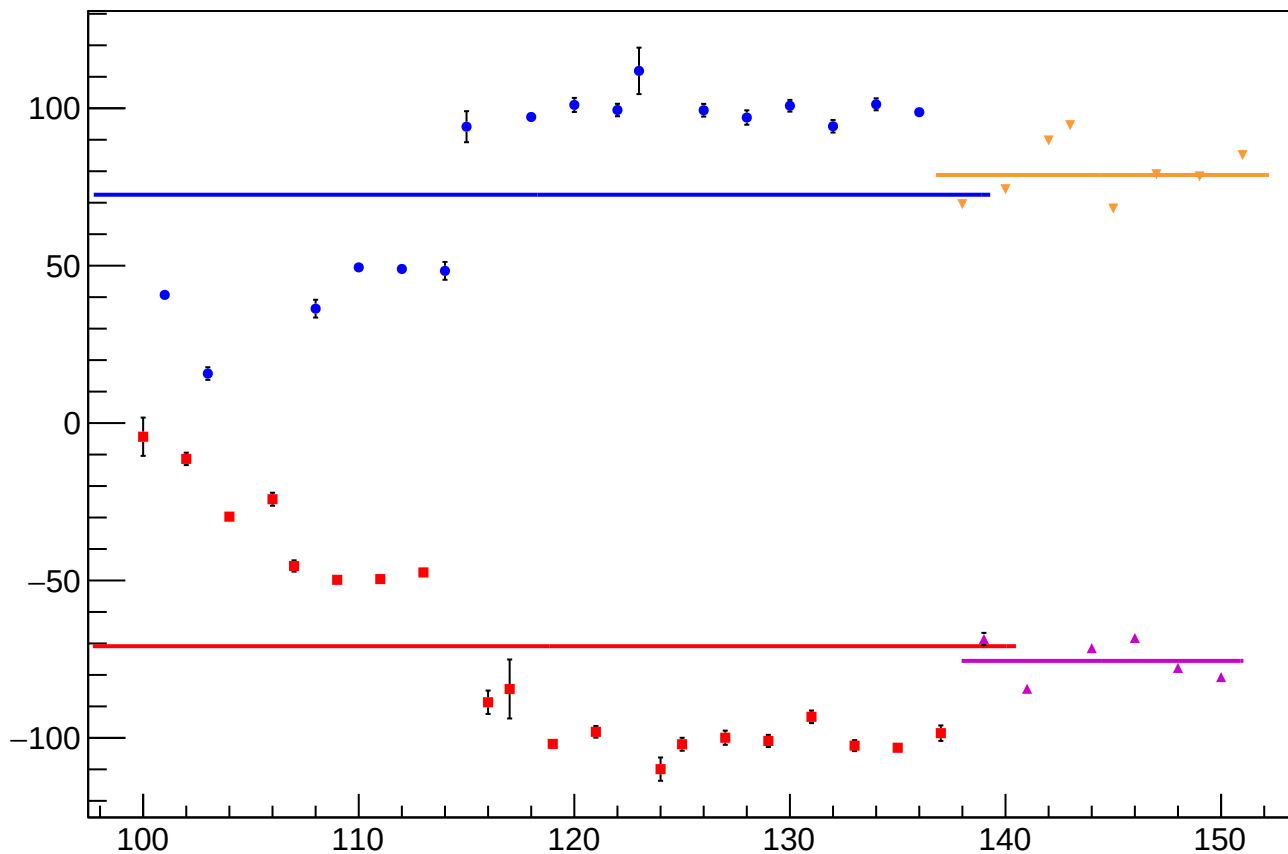
Left In: 46.480 ± 0.396 χ^2/NDF : 622.0/5

-39.147 ± 0.327 χ^2/NDF : 2548.7/24

-1.380 ± 0.235 χ^2/NDF : 32562.1/50

38.751 ± 0.337 χ^2/NDF : 2485.9/25

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.537+/-0.428 χ^2/NDF : 4684.1/16

Left Out: 78.804+/-0.314 χ^2/NDF : 662.6/7

Right Out: -70.878+/-0.433 χ^2/NDF : 5502.3/19

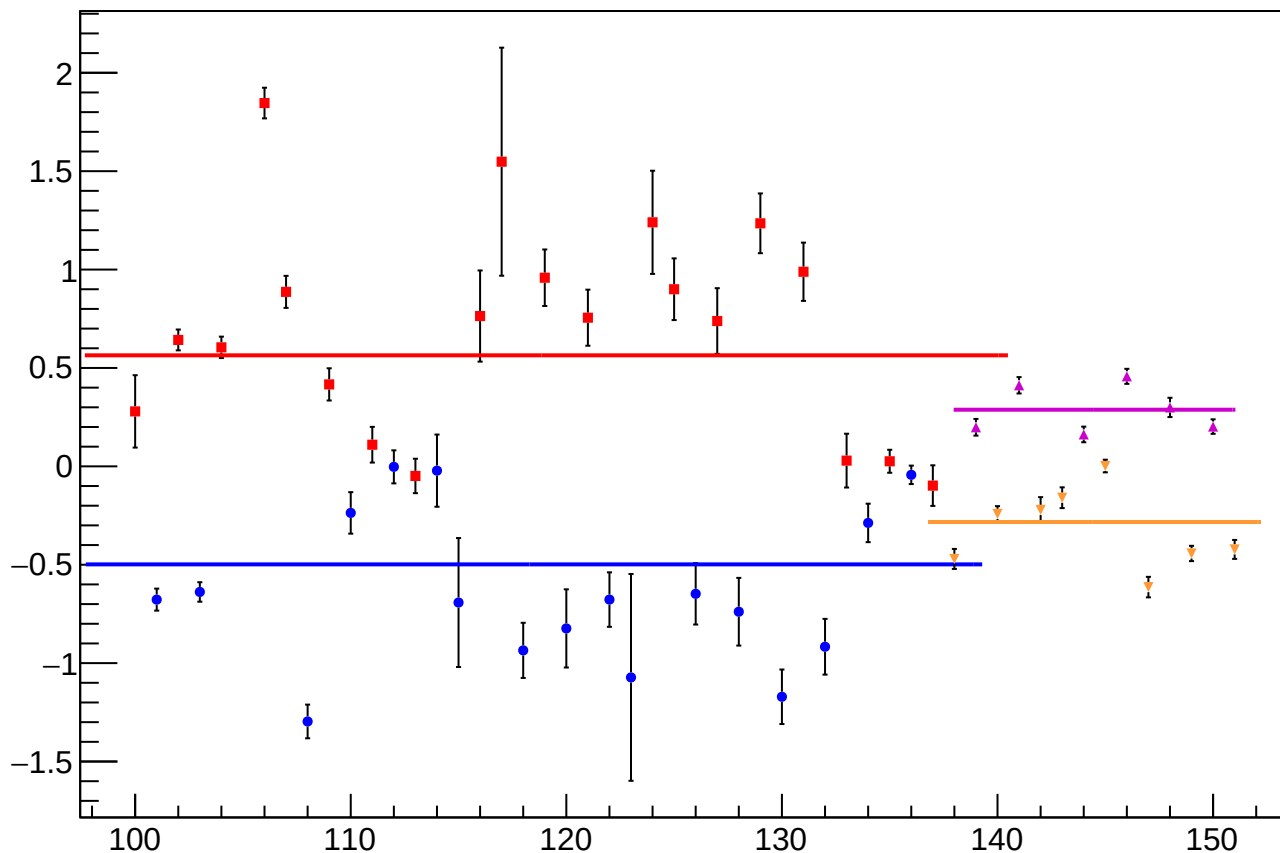
Left In: -75.538+/-0.332 χ^2/NDF : 329.0/5

76.617+/-0.253 χ^2/NDF : 5486.1/24

4.475+/-0.183 χ^2/NDF : 180883.2/50

-73.809+/-0.264 χ^2/NDF : 5904.2/25

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: -0.283±/0.016 χ^2/NDF : 164.8/7

Right Out: 0.564±/0.021 χ^2/NDF : 563.6/19

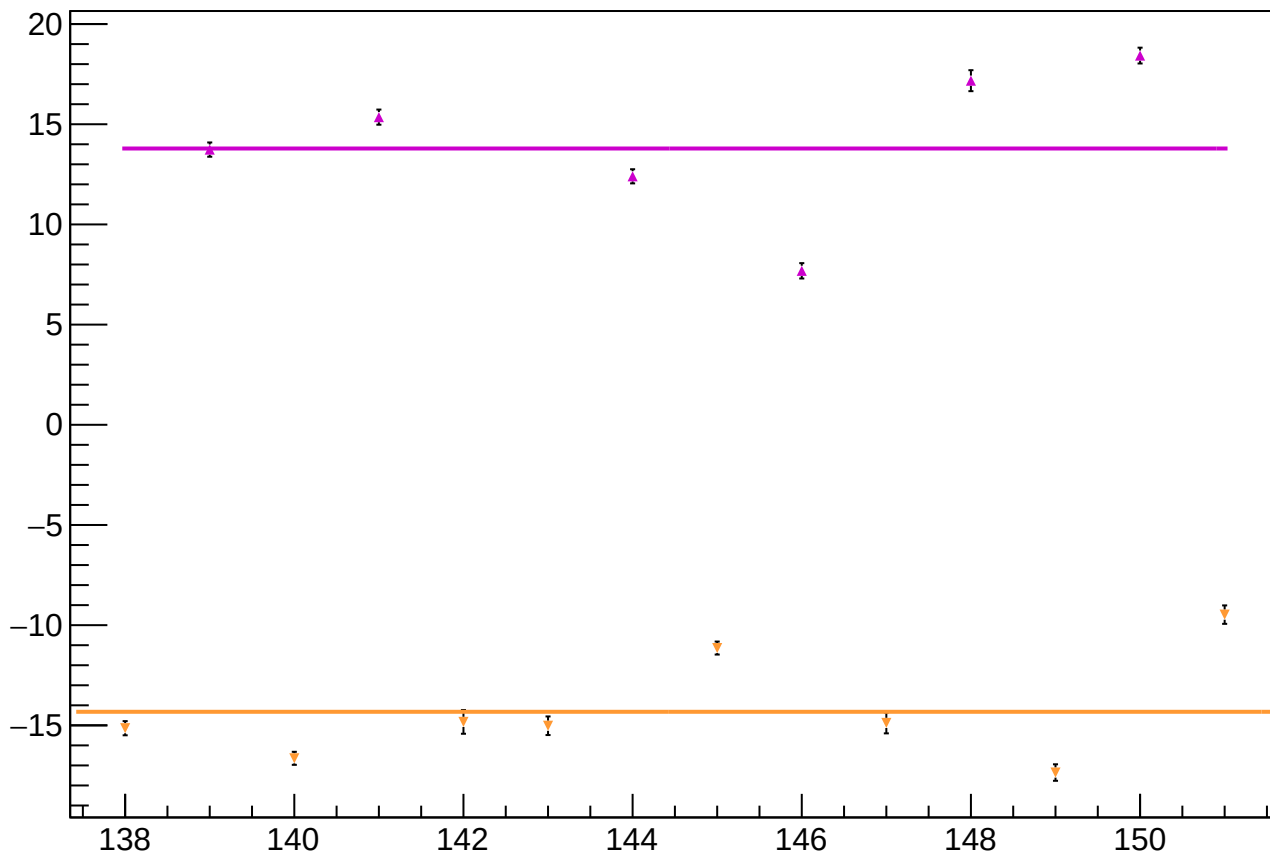
Left In: 0.288±/0.017 χ^2/NDF : 48.6/5

-0.354±/0.013 χ^2/NDF : 529.9/24

0.010±/0.009 χ^2/NDF : 2893.7/50

0.392±/0.013 χ^2/NDF : 716.0/25

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -14.323+/-0.143 χ^2/NDF : 321.7/7

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

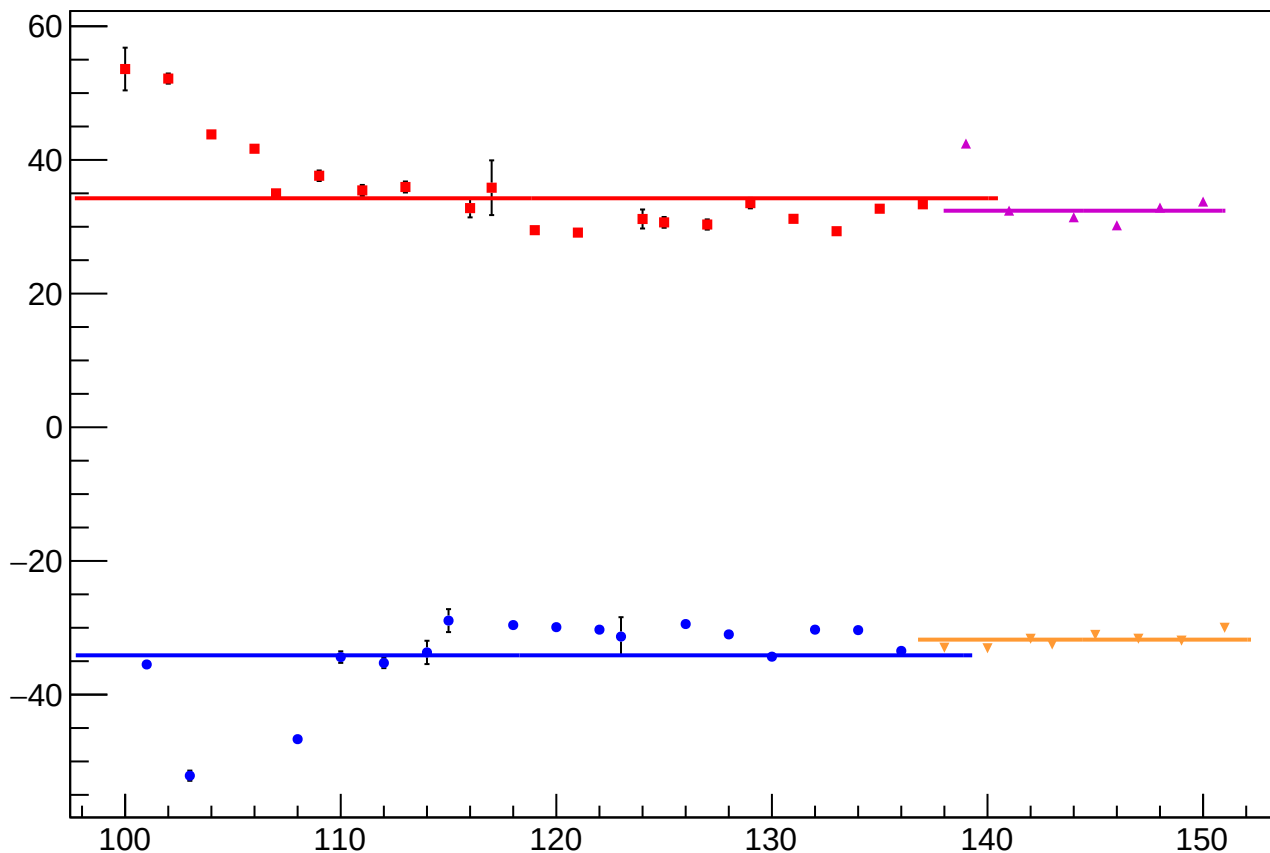
Left In: 13.789+/-0.159 χ^2/NDF : 466.2/5

-14.323+/-0.143 χ^2/NDF : 321.7/7

-1.685+/-0.106 χ^2/NDF : 18100.9/13

13.789+/-0.159 χ^2/NDF : 466.2/5

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: -31.774 ± 0.102 $\chi^2/\text{NDF}: 88.9/7$

Right Out: 34.262 ± 0.151 $\chi^2/\text{NDF}: 1355.1/19$

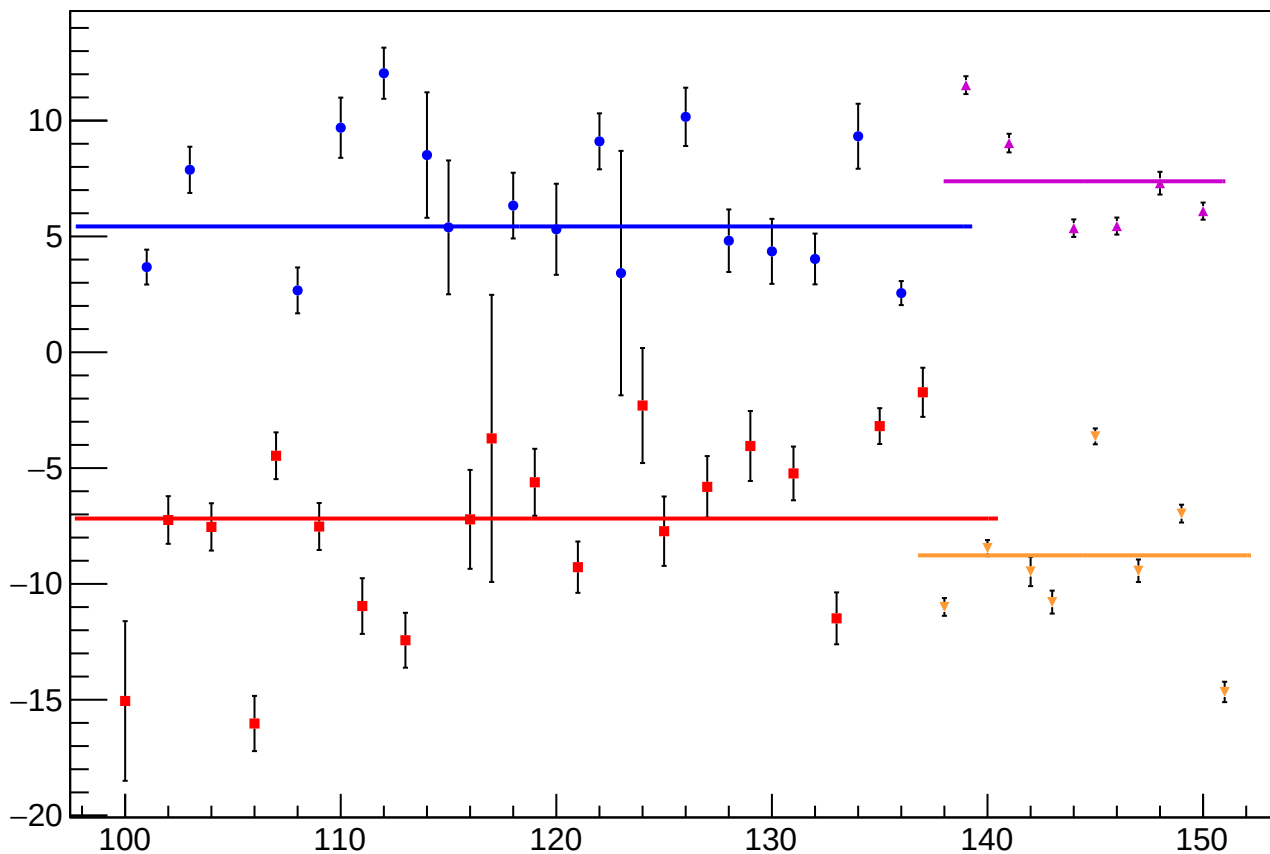
Left In: 32.401 ± 0.114 $\chi^2/\text{NDF}: 369.2/5$

-32.506 ± 0.085 $\chi^2/\text{NDF}: 1575.9/24$

-1.978 ± 0.062 $\chi^2/\text{NDF}: 281857.8/50$

33.077 ± 0.091 $\chi^2/\text{NDF}: 1821.3/25$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.431 ± 0.270 χ^2/NDF : 132.0/16

Left Out: -8.767 ± 0.147 χ^2/NDF : 479.8/7

Right Out: -7.178 ± 0.274 χ^2/NDF : 182.4/19

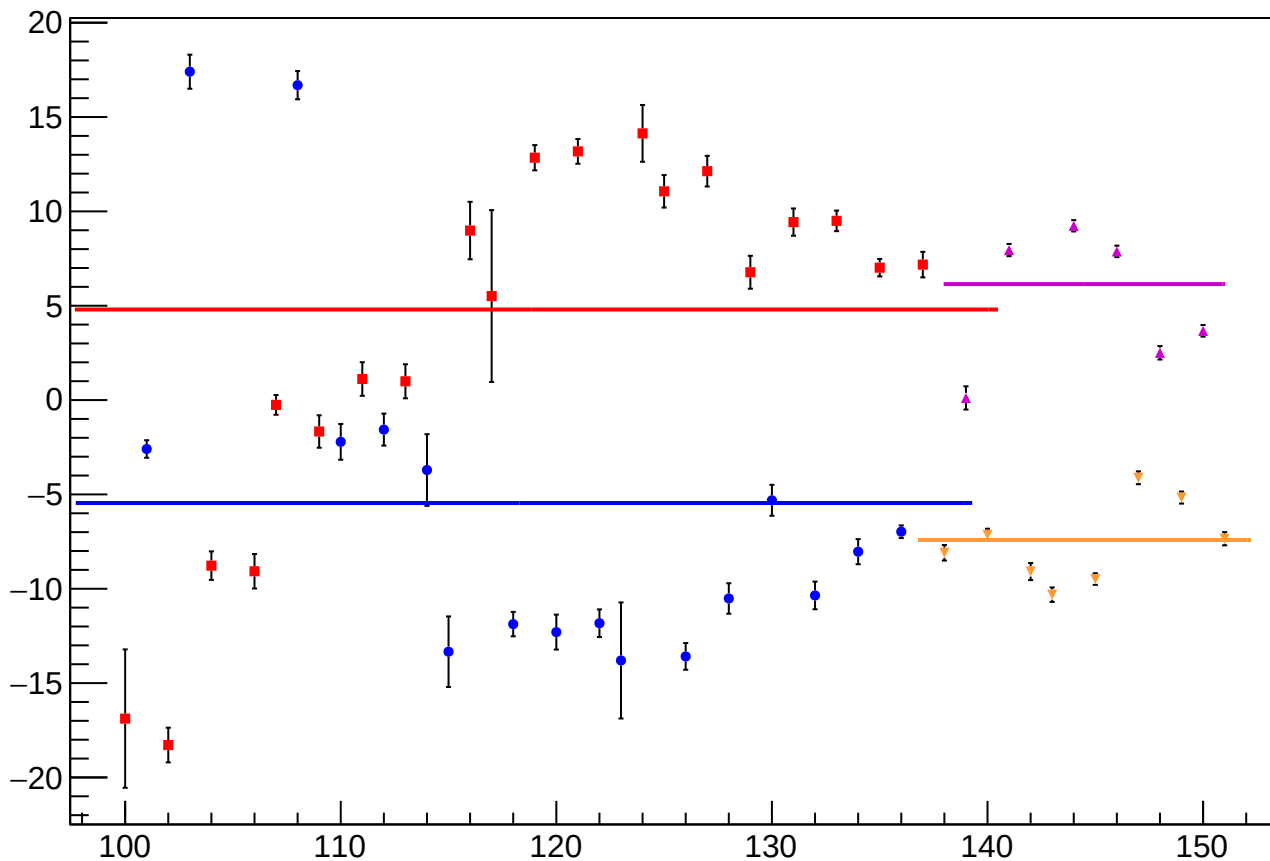
Left In: 7.380 ± 0.161 χ^2/NDF : 201.3/5

-5.530 ± 0.129 χ^2/NDF : 2740.2/24

-1.258 ± 0.094 χ^2/NDF : 7579.0/50

3.662 ± 0.139 χ^2/NDF : 2483.0/25

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: -7.417 ± 0.125 χ^2/NDF : 261.3/7

Right Out: 4.799 ± 0.173 χ^2/NDF : 2047.5/19

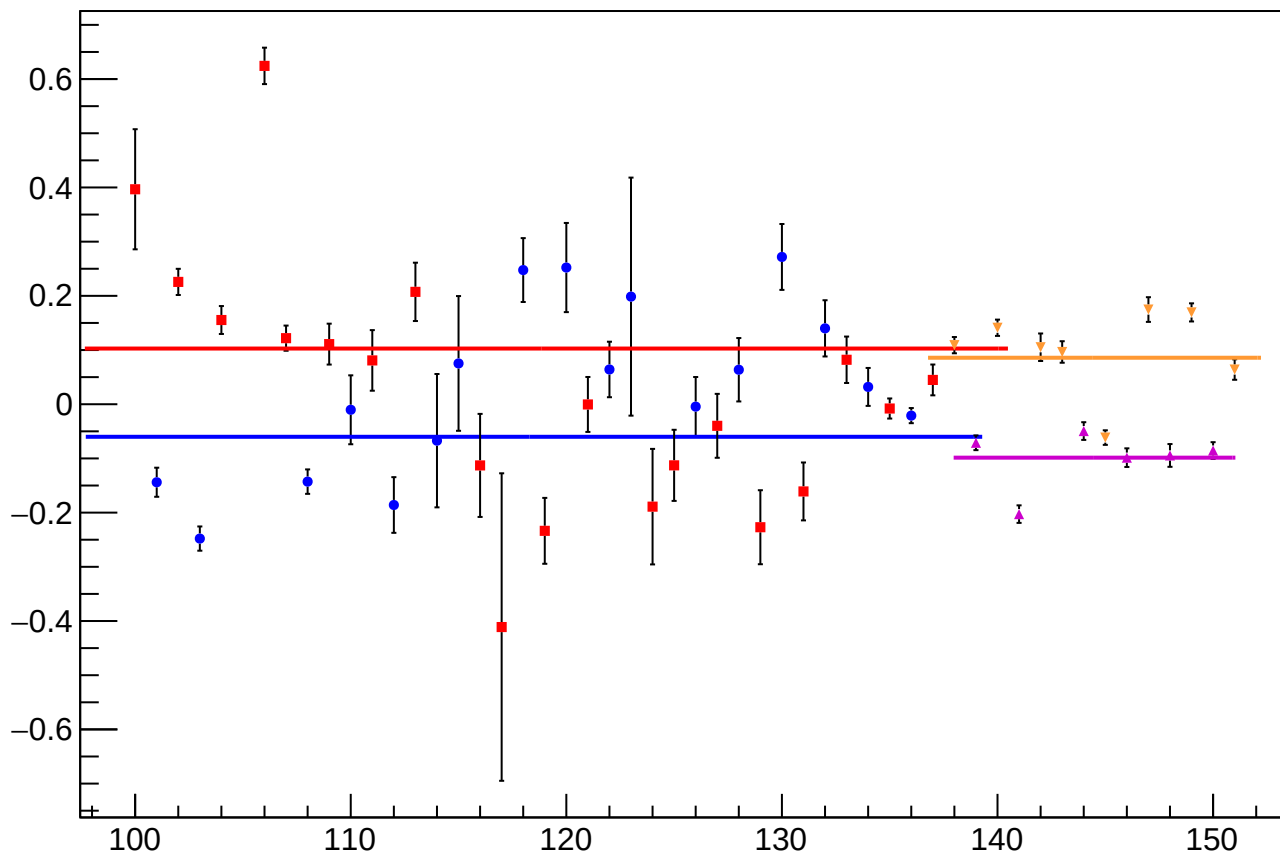
Left In: 6.147 ± 0.138 χ^2/NDF : 432.6/5

-6.733 ± 0.101 χ^2/NDF : 2443.7/24

-0.977 ± 0.074 χ^2/NDF : 11950.9/50

5.620 ± 0.108 χ^2/NDF : 2517.2/25

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: 0.086 ± 0.006 χ^2/NDF : 178.5/7

Right Out: 0.103 ± 0.008 χ^2/NDF : 437.6/19

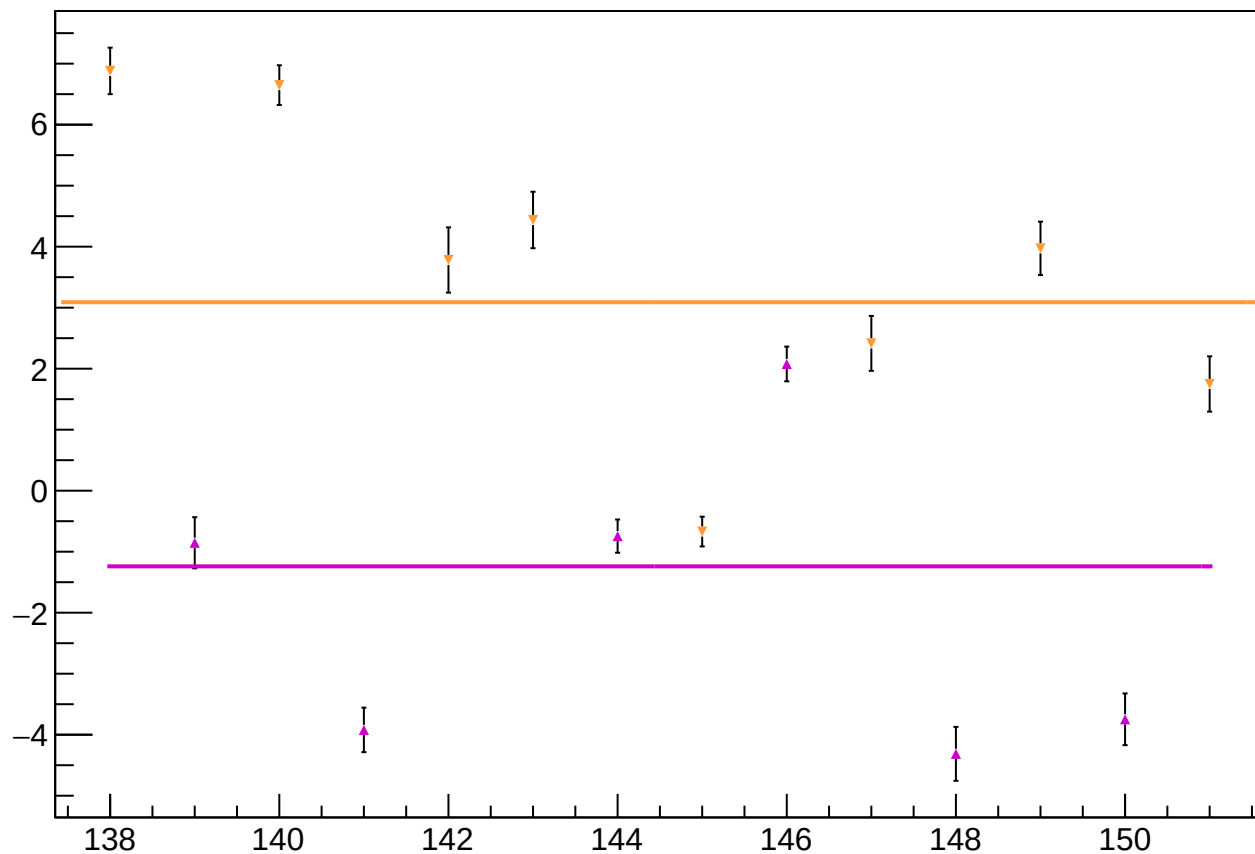
Left In: -0.099 ± 0.007 χ^2/NDF : 55.3/5

0.035 ± 0.005 χ^2/NDF : 591.1/24

0.008 ± 0.004 χ^2/NDF : 1500.2/50

-0.022 ± 0.005 χ^2/NDF : 845.6/25

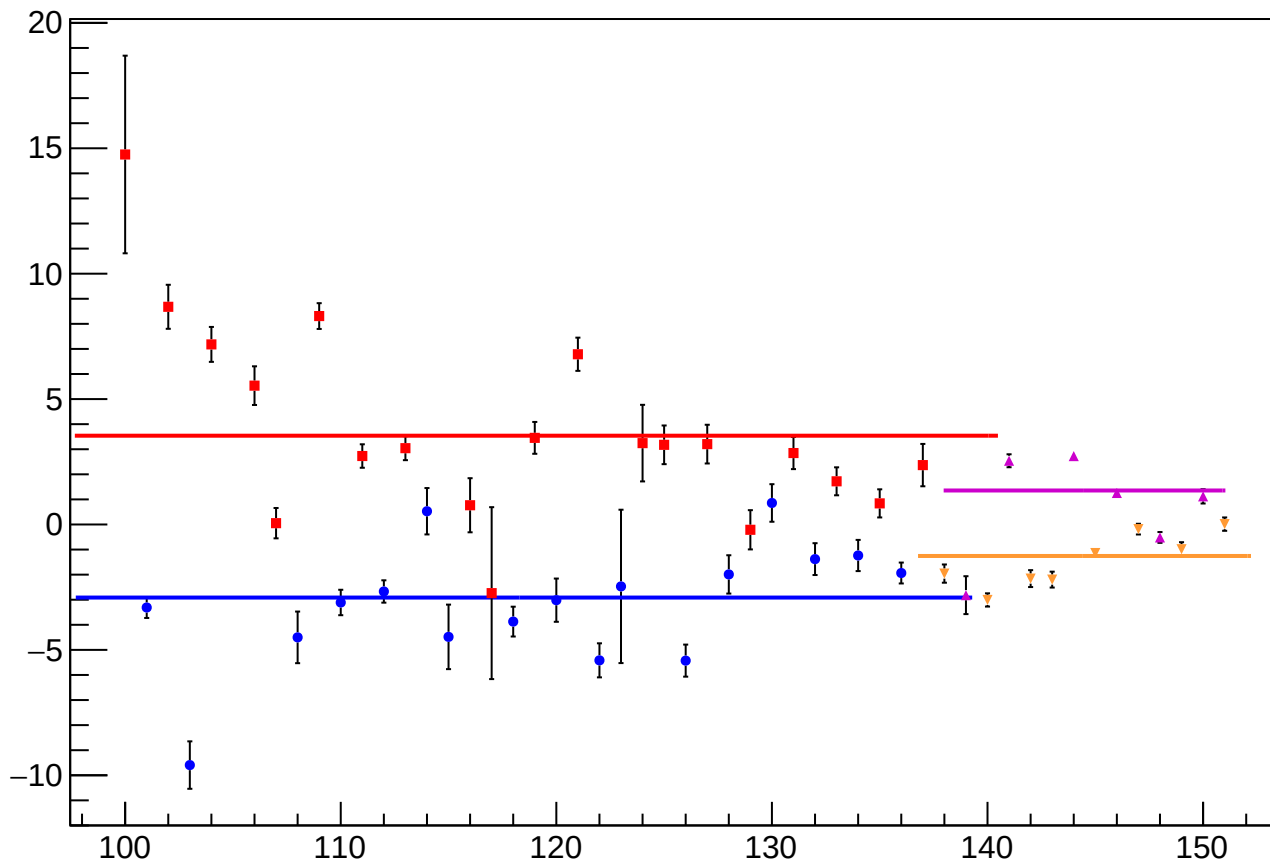
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 3.090+/-0.133 χ^2/NDF : 481.6/7
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.240+/-0.142 χ^2/NDF : 277.5/5

3.090+/-0.133 χ^2/NDF : 481.6/7
 1.060+/-0.097 χ^2/NDF : 1254.3/13
 -1.240+/-0.142 χ^2/NDF : 277.5/5

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: -1.255 ± 0.093 χ^2/NDF : 112.9/7

Right Out: 3.540 ± 0.154 χ^2/NDF : 294.2/19

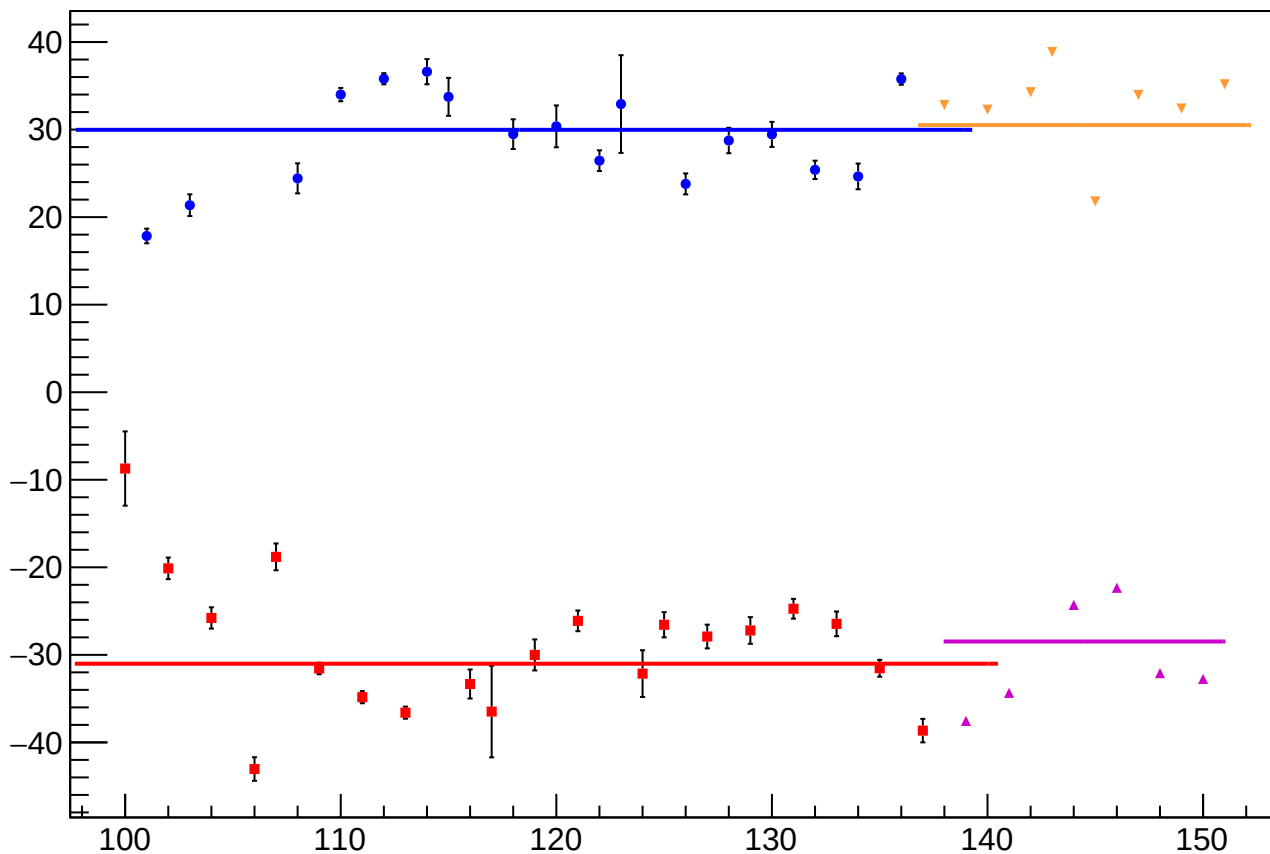
Left In: 1.355 ± 0.095 χ^2/NDF : 177.6/5

-1.696 ± 0.080 χ^2/NDF : 343.3/24

0.099 ± 0.057 χ^2/NDF : 1990.9/50

1.960 ± 0.081 χ^2/NDF : 616.6/25

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.972±/0.267 χ^2/NDF : 554.3/16

Left Out: 30.515±/0.137 χ^2/NDF : 1716.6/7

Right Out: -31.013±/0.260 χ^2/NDF : 480.6/19

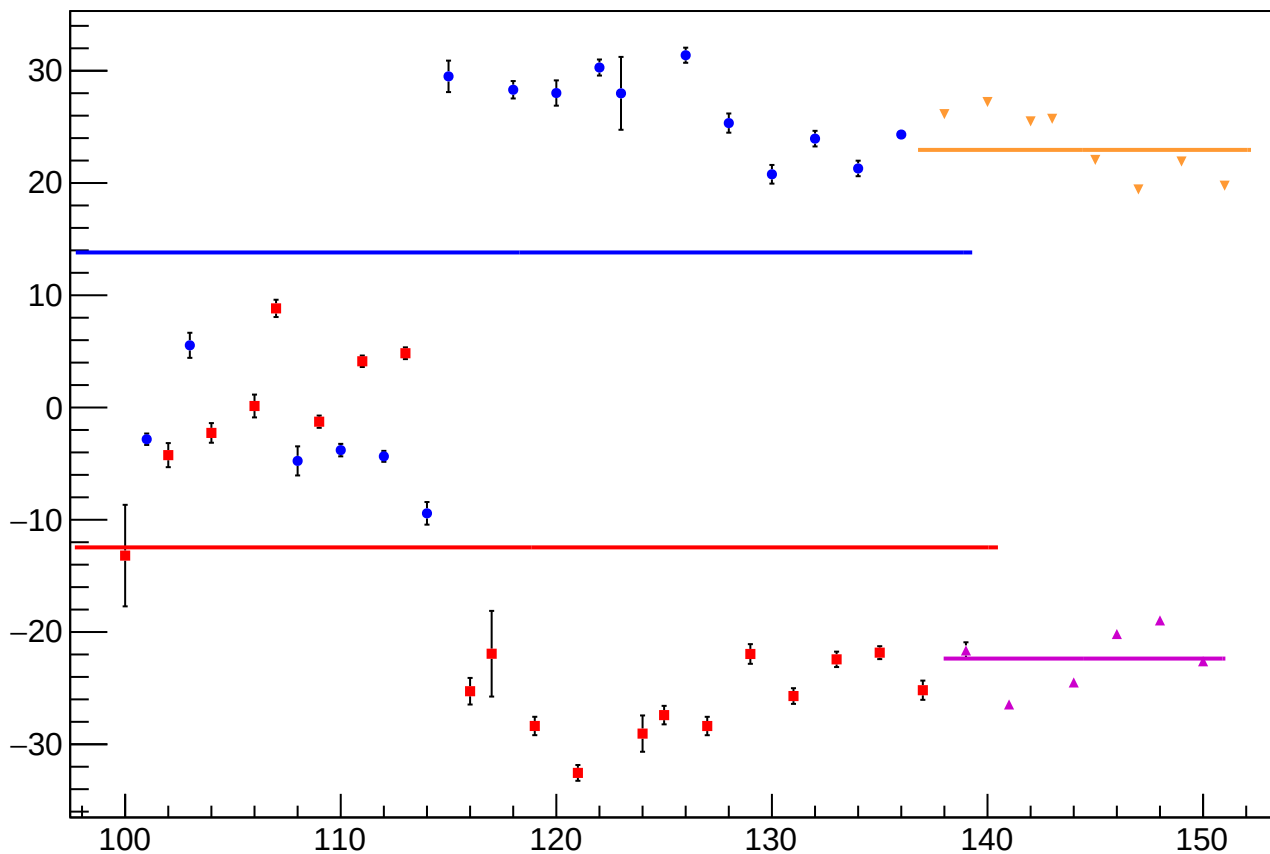
Left In: -28.476±/0.143 χ^2/NDF : 1530.7/5

30.402±/0.122 χ^2/NDF : 2274.2/24

1.456±/0.087 χ^2/NDF : 119881.9/50

-29.066±/0.125 χ^2/NDF : 2084.5/25

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: 22.950 ± 0.114 $\chi^2/\text{NDF}: 580.1/7$

Right Out: -12.460 ± 0.174 $\chi^2/\text{NDF}: 6976.5/19$

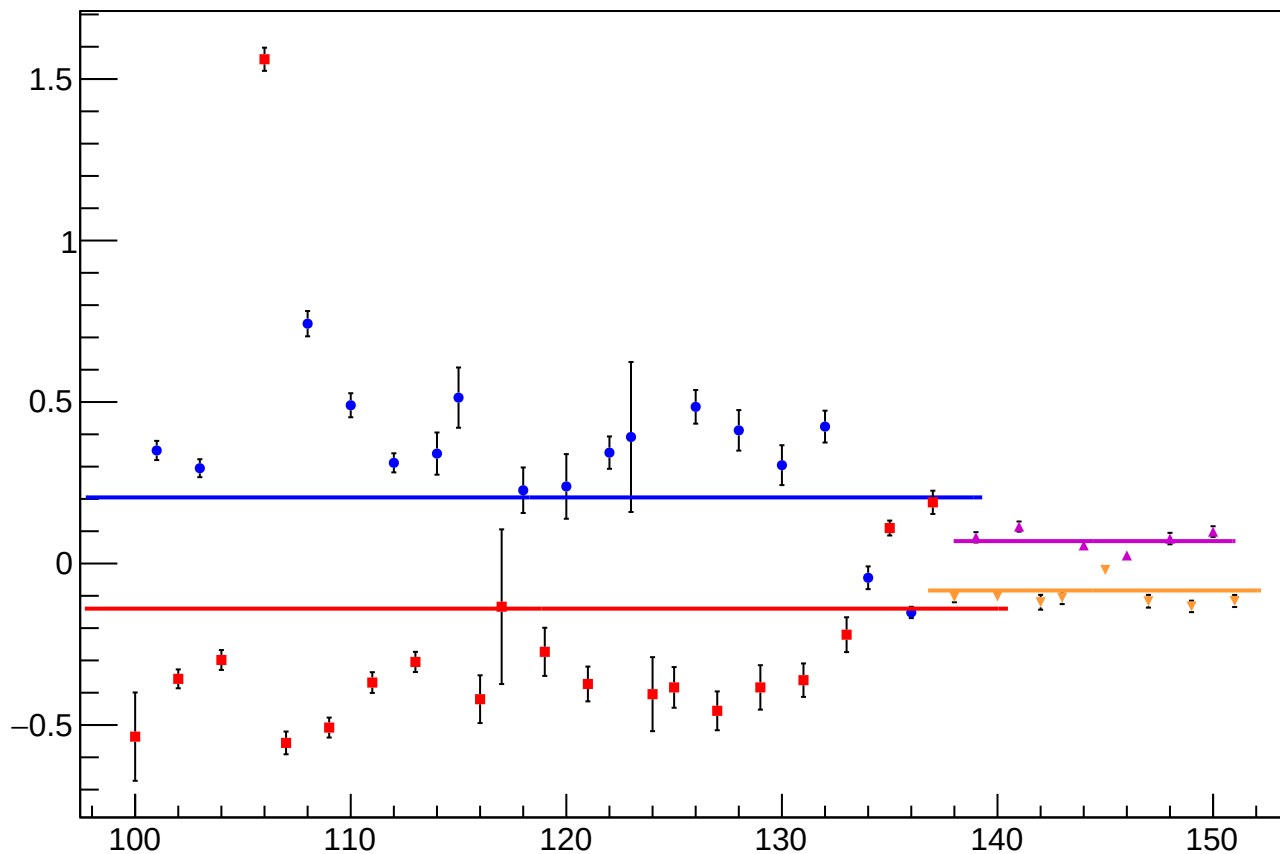
Left In: -22.365 ± 0.118 $\chi^2/\text{NDF}: 484.6/5$

20.163 ± 0.095 $\chi^2/\text{NDF}: 9844.8/24$

0.928 ± 0.068 $\chi^2/\text{NDF}: 102862.5/50$

-19.231 ± 0.098 $\chi^2/\text{NDF}: 9687.8/25$

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: -0.083+/-0.006 χ^2/NDF : 59.4/7

Right Out: -0.140+/-0.009 χ^2/NDF : 3014.2/19

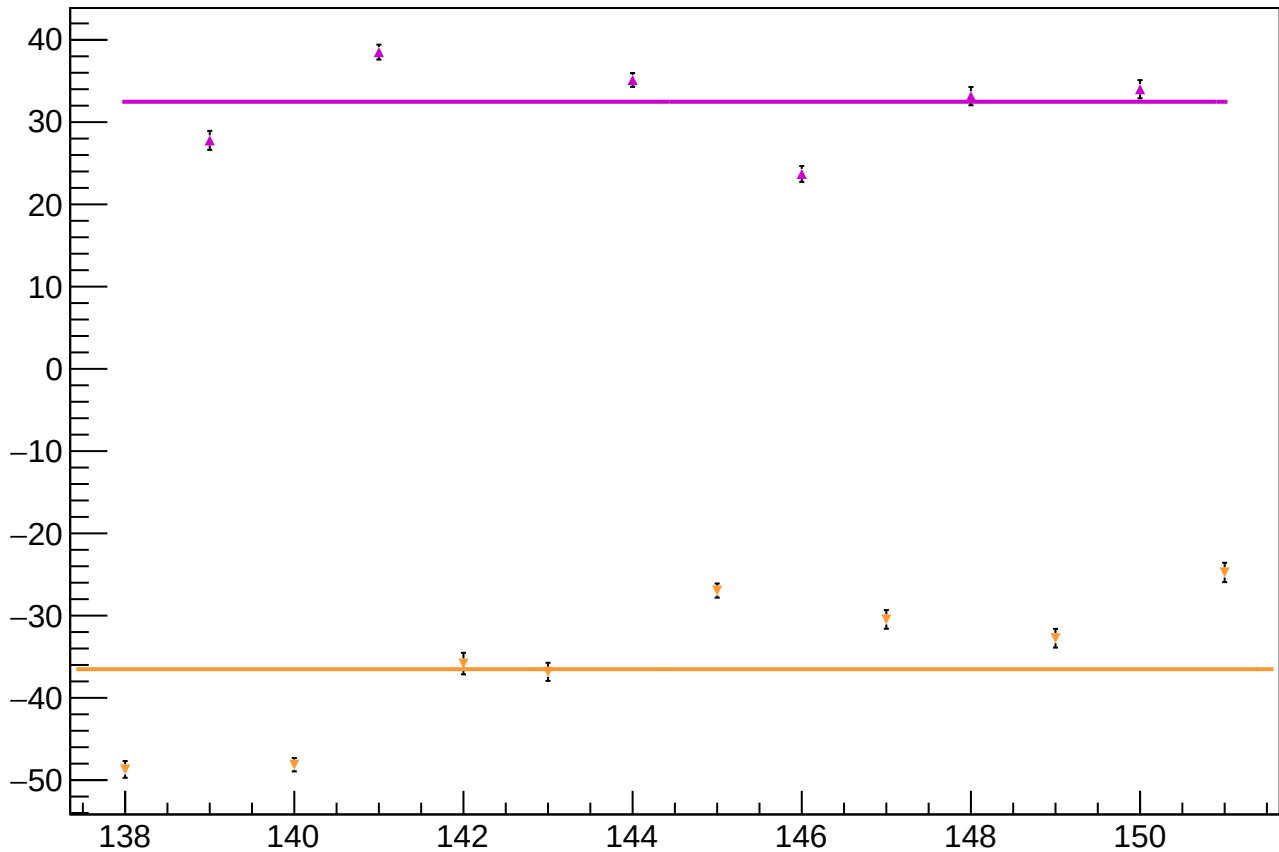
Left In: 0.069+/-0.006 χ^2/NDF : 25.4/5

-0.006+/-0.005 χ^2/NDF : 1595.1/24

0.000+/-0.004 χ^2/NDF : 4998.1/50

0.006+/-0.005 χ^2/NDF : 3400.1/25

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: -36.510+/-0.365 χ^2/NDF : 608.5/7

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

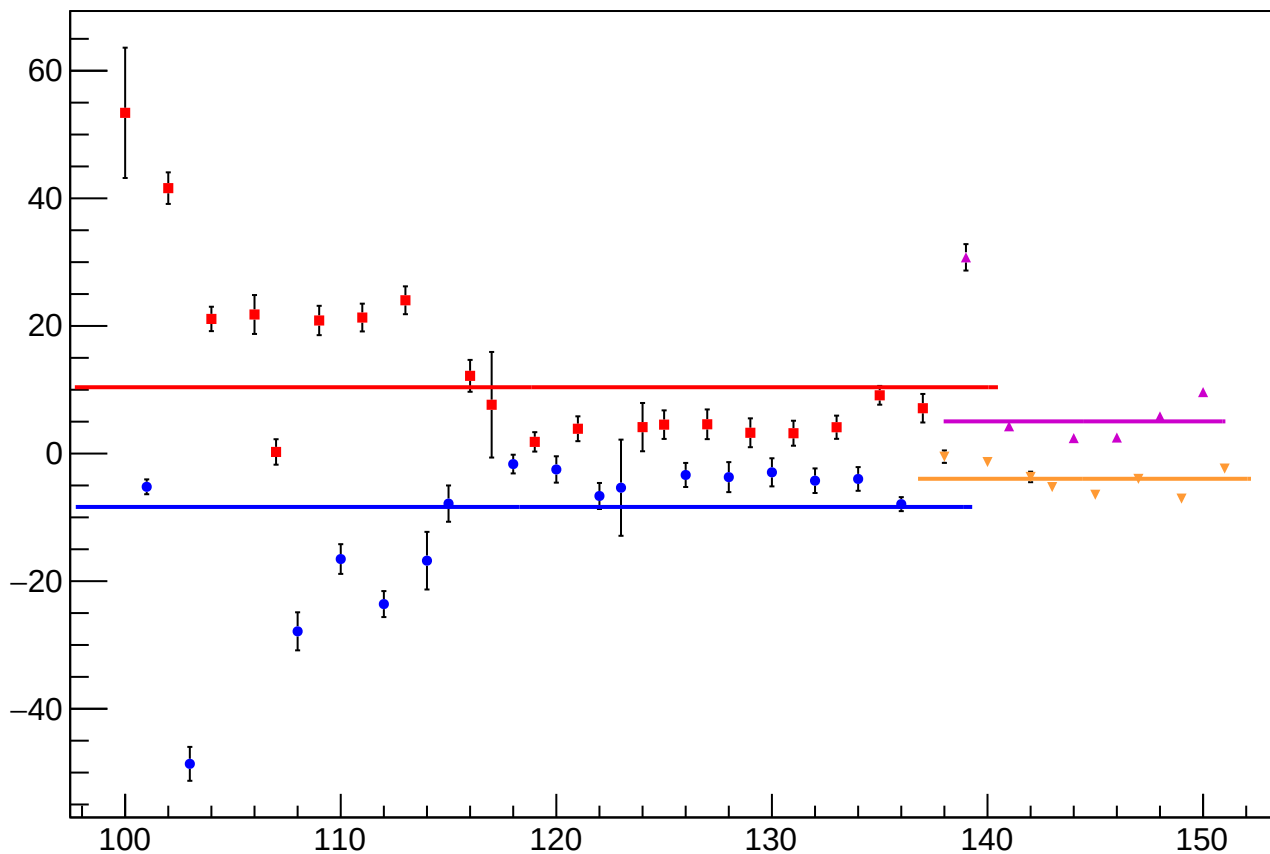
Left In: 32.477+/-0.406 χ^2/NDF : 155.7/5

-36.510+/-0.365 χ^2/NDF : 608.5/7

-5.612+/-0.271 χ^2/NDF : 16742.3/13

32.477+/-0.406 χ^2/NDF : 155.7/5

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: -3.953 ± 0.249 χ^2/NDF : 68.0/7

Right Out: 10.396 ± 0.490 χ^2/NDF : 430.4/19

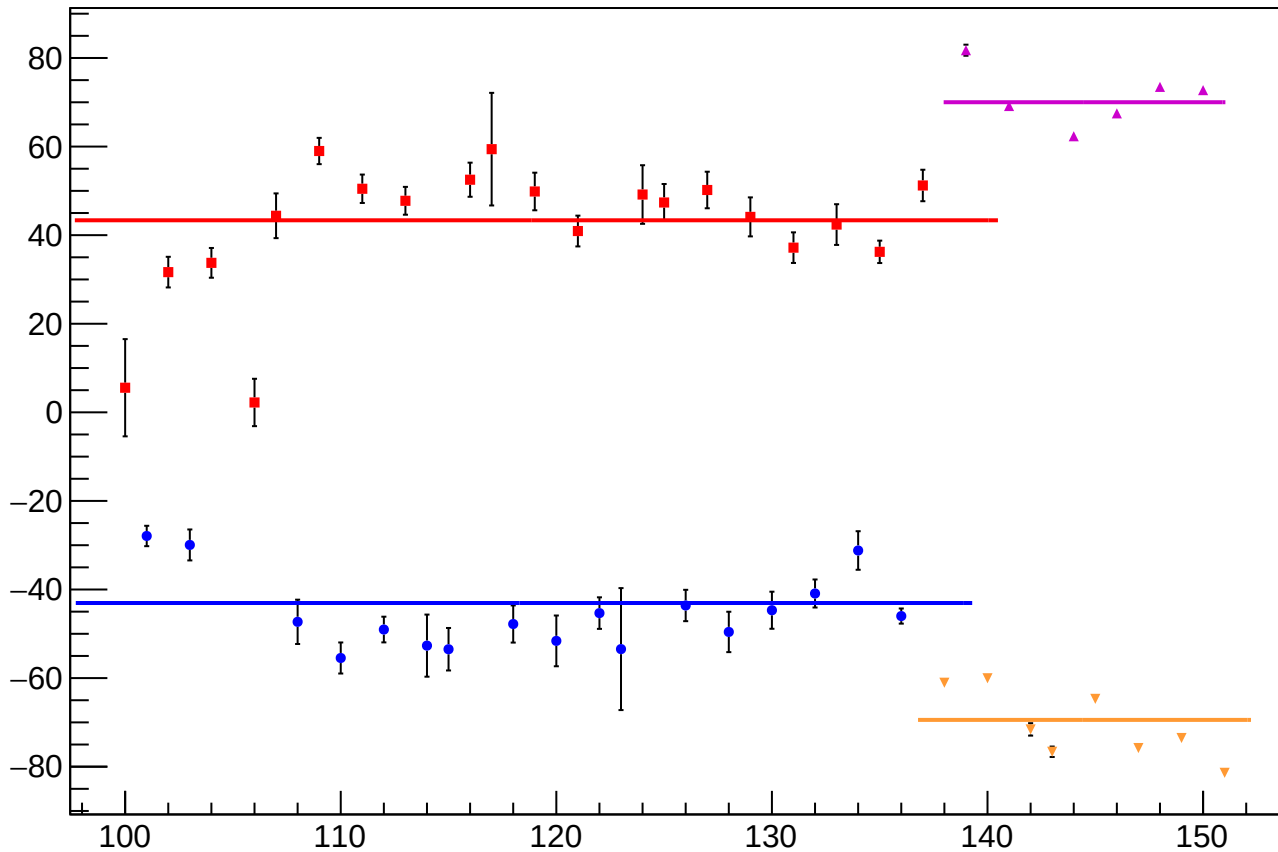
Left In: 5.043 ± 0.269 χ^2/NDF : 234.7/5

-4.935 ± 0.220 χ^2/NDF : 546.5/24

0.276 ± 0.161 χ^2/NDF : 2513.2/50

6.284 ± 0.236 χ^2/NDF : 756.8/25

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: -69.438 ± 0.374 $\chi^2/\text{NDF}: 404.5/7$

Right Out: 43.357 ± 0.865 $\chi^2/\text{NDF}: 156.0/19$

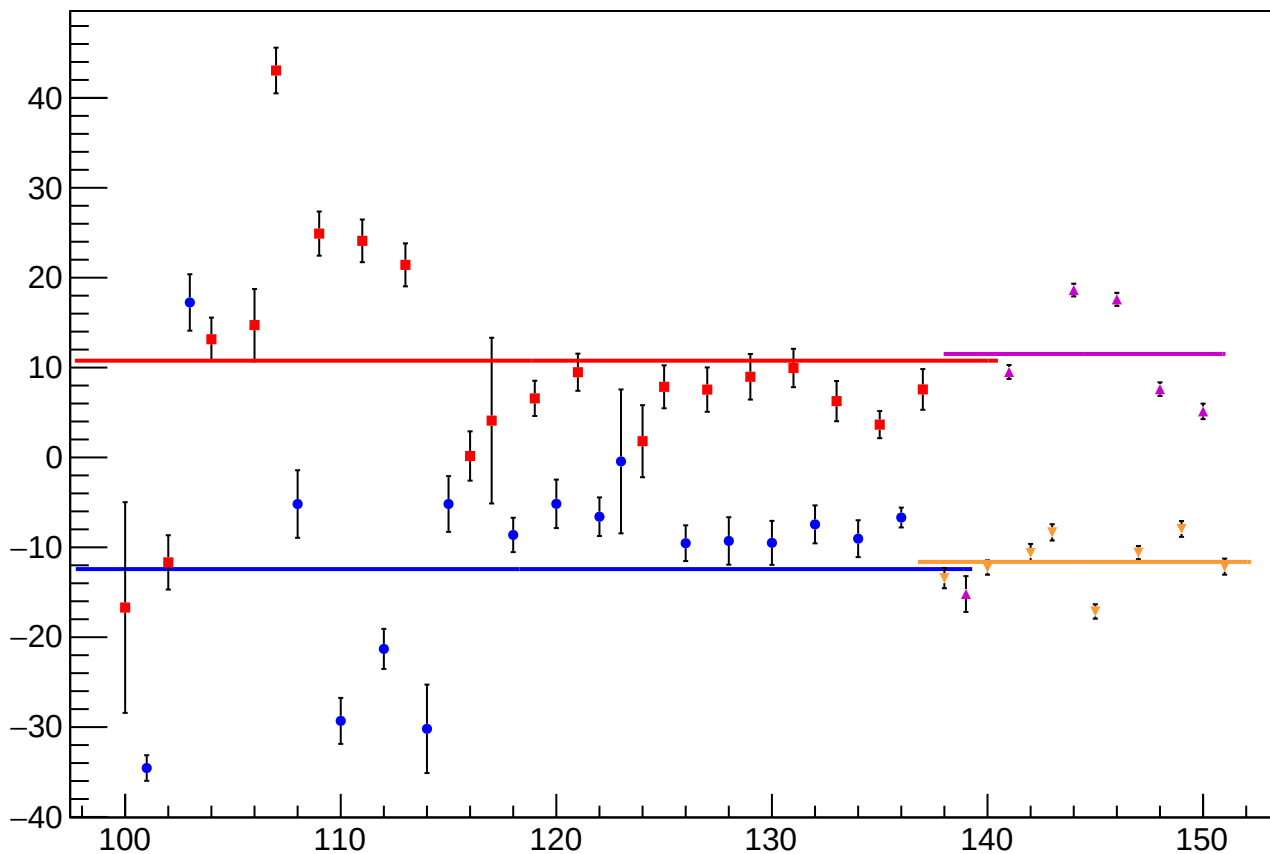
Left In: 70.012 ± 0.409 $\chi^2/\text{NDF}: 187.1/5$

-65.042 ± 0.342 $\chi^2/\text{NDF}: 1331.5/24$

-5.079 ± 0.251 $\chi^2/\text{NDF}: 69306.7/50$

65.143 ± 0.370 $\chi^2/\text{NDF}: 1118.9/25$

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: -11.621 ± 0.309 χ^2/NDF : 84.1/7

Right Out: 10.766 ± 0.553 χ^2/NDF : 366.3/19

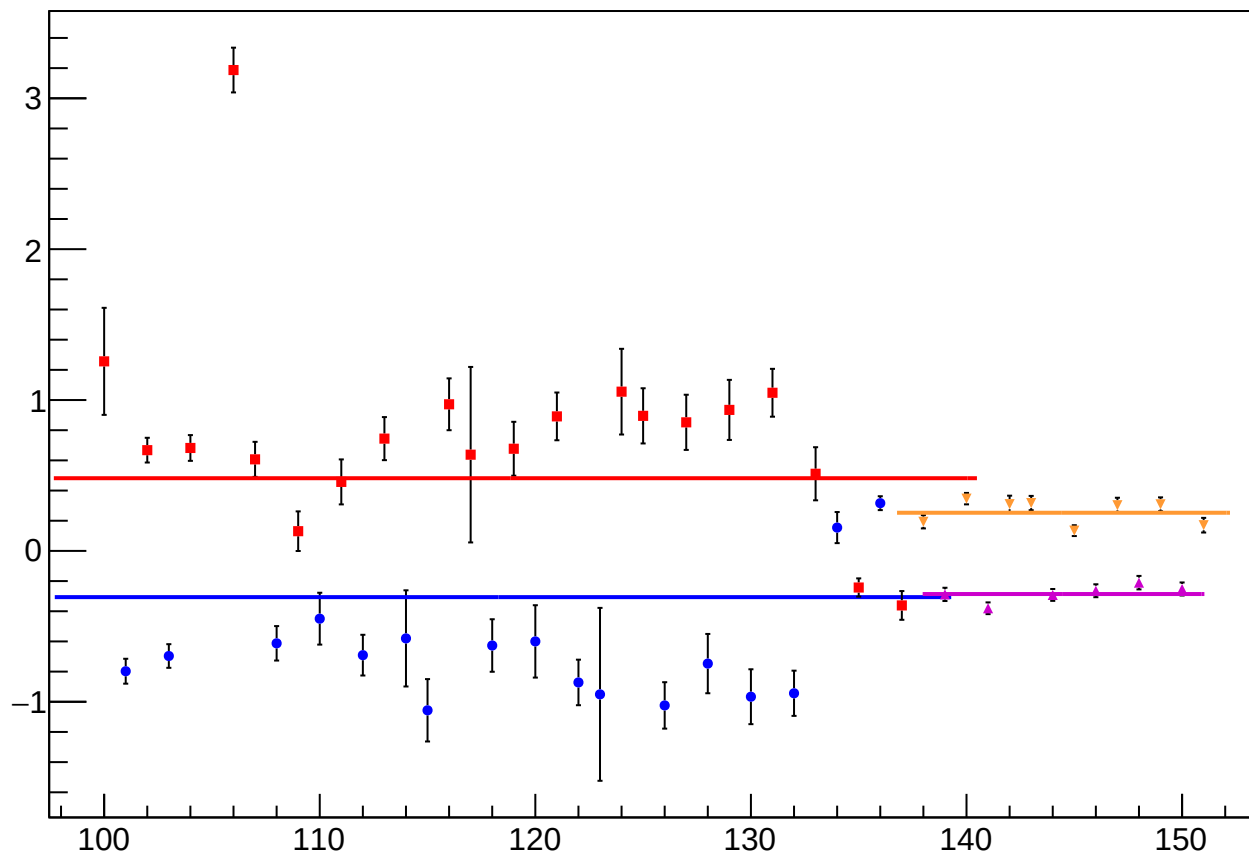
Left In: 11.514 ± 0.336 χ^2/NDF : 437.3/5

-11.828 ± 0.266 χ^2/NDF : 560.2/24

-1.127 ± 0.195 χ^2/NDF : 4863.6/50

11.313 ± 0.287 χ^2/NDF : 805.0/25

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: 0.253 ± 0.016 χ^2/NDF : 27.1/7

Right Out: 0.482 ± 0.029 χ^2/NDF : 628.3/19

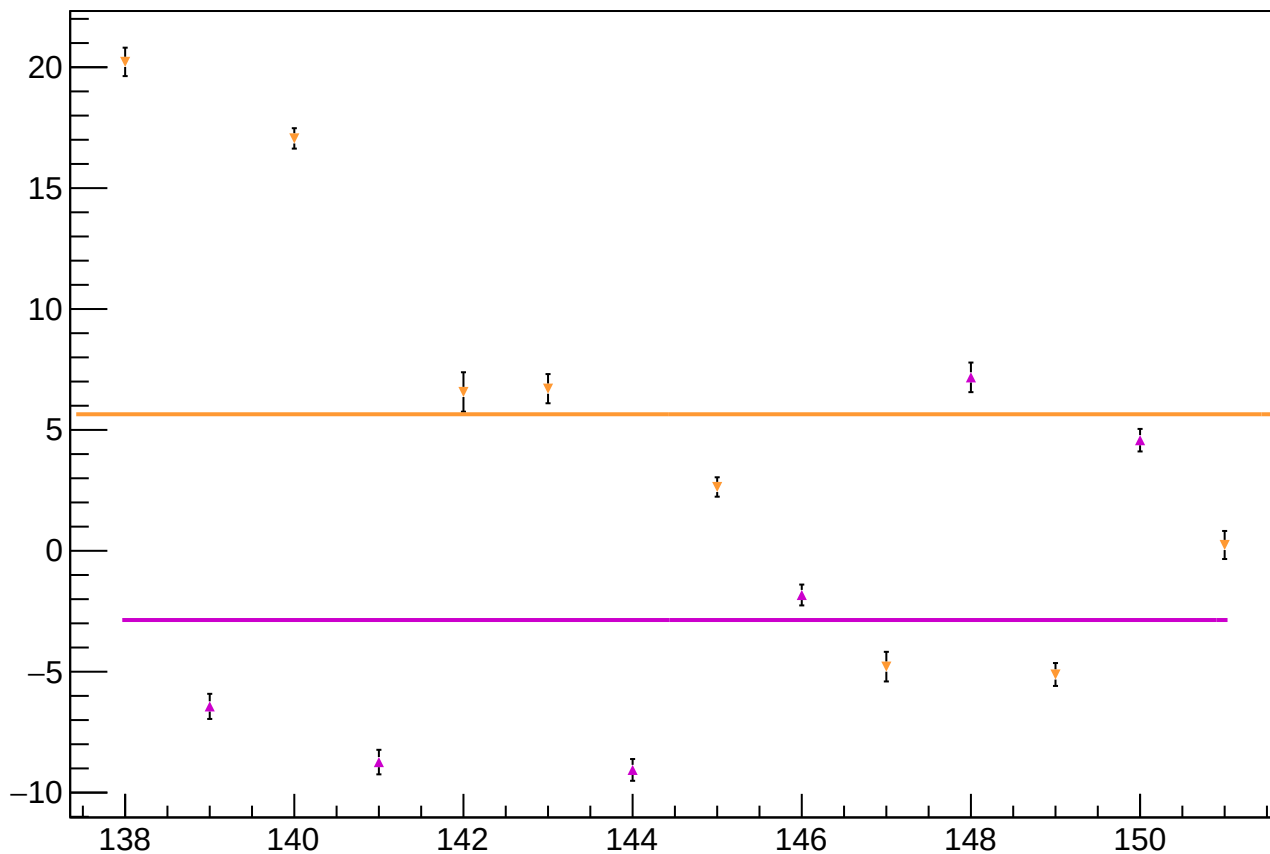
Left In: -0.286 ± 0.017 χ^2/NDF : 9.6/5

0.116 ± 0.014 χ^2/NDF : 709.4/24

0.024 ± 0.010 χ^2/NDF : 1976.2/50

-0.083 ± 0.015 χ^2/NDF : 1169.0/25

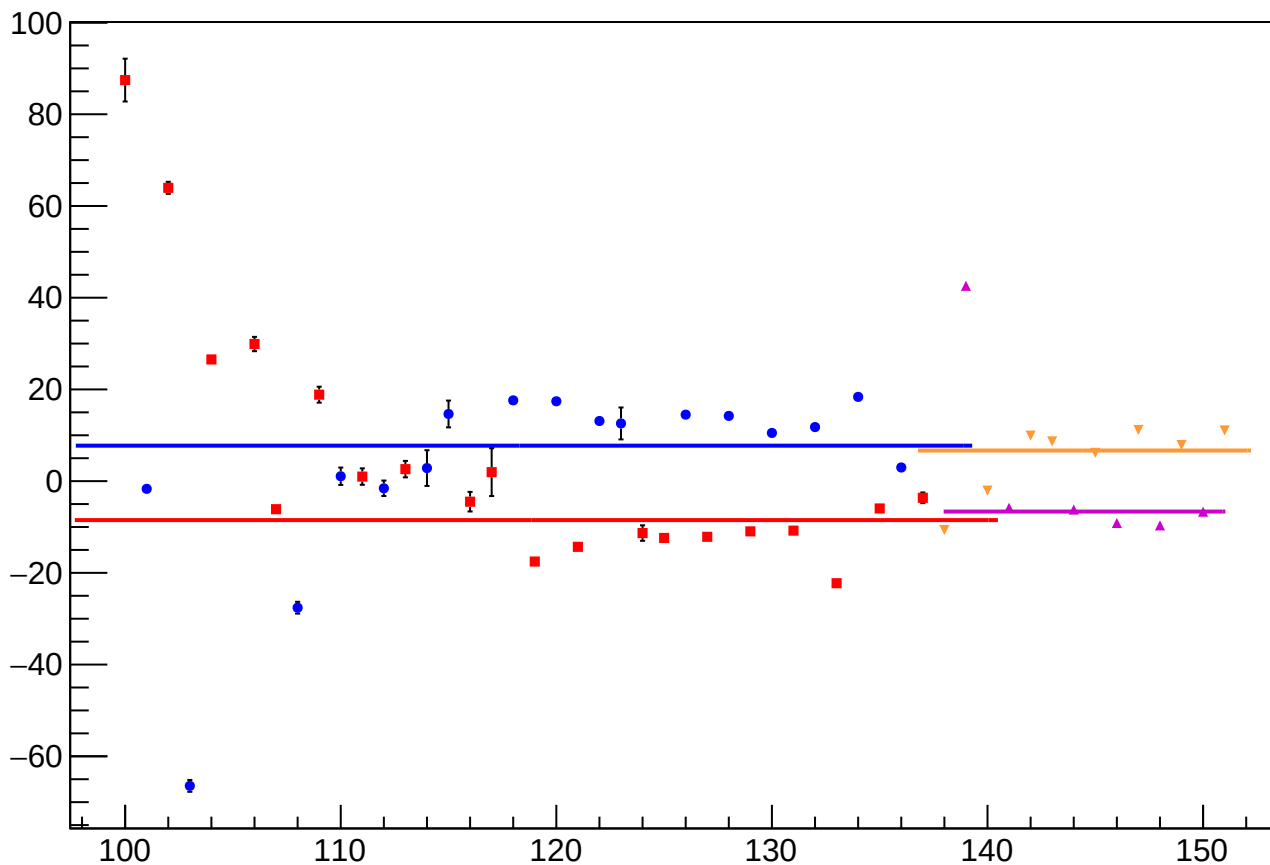
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.648 $\pm$ 0.186 χ^2 /NDF:2299.5/7
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -2.862 $\pm$ 0.199 χ^2 /NDF:900.4/5

5.648 $\pm$ 0.186 χ^2 /NDF: 2299.5/7
 1.698 $\pm$ 0.136 χ^2 /NDF: 4176.7/13
 -2.862 $\pm$ 0.199 χ^2 /NDF: 900.4/5

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: 6.680 ± 0.129 χ^2/NDF : 1943.1/7

Right Out: -8.496 ± 0.213 χ^2/NDF : 6723.5/19

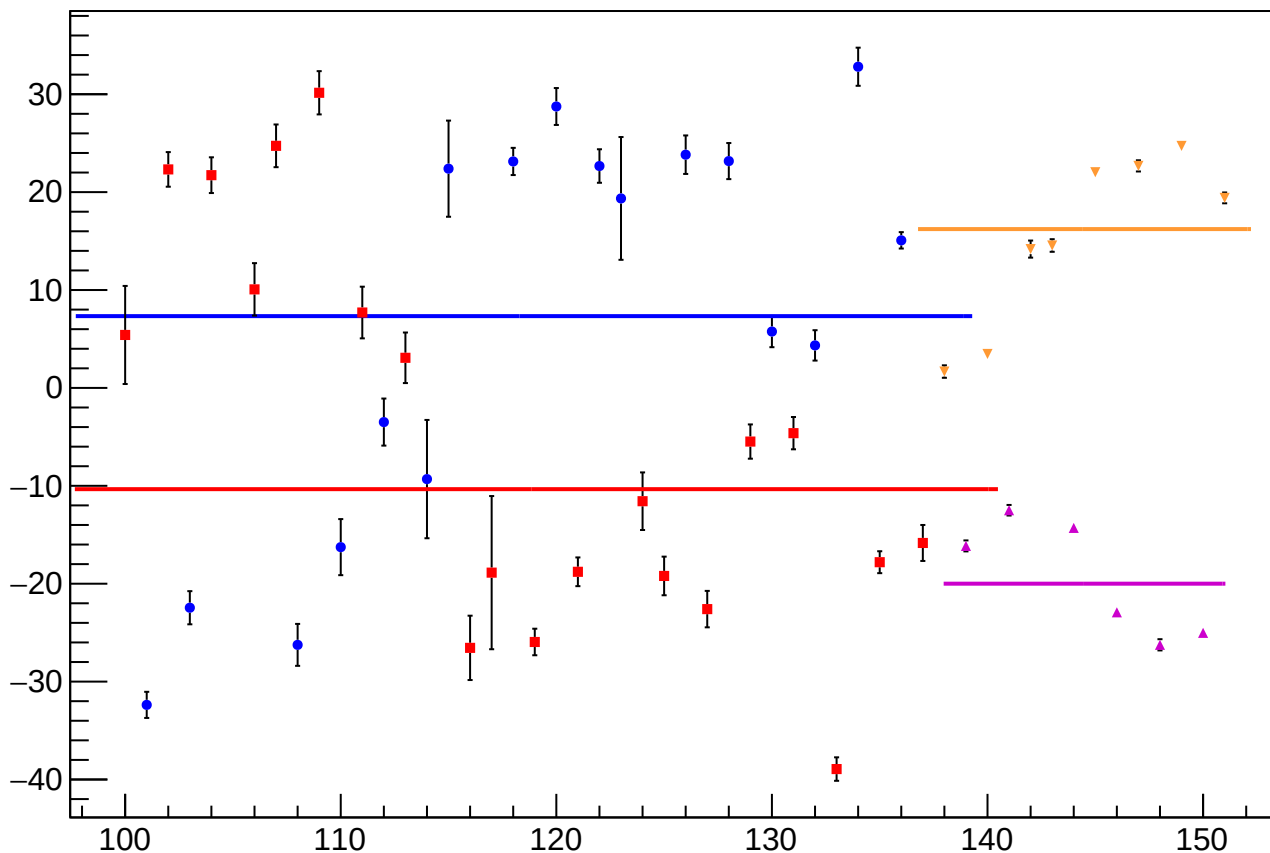
Left In: -6.633 ± 0.138 χ^2/NDF : 2901.5/5

6.953 ± 0.111 χ^2/NDF : 7261.1/24

0.207 ± 0.080 χ^2/NDF : 24707.6/50

-7.185 ± 0.116 χ^2/NDF : 9678.8/25

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: 16.225 ± 0.189 χ^2/NDF : 2053.9/7

Right Out: -10.342 ± 0.416 χ^2/NDF : 2282.7/19

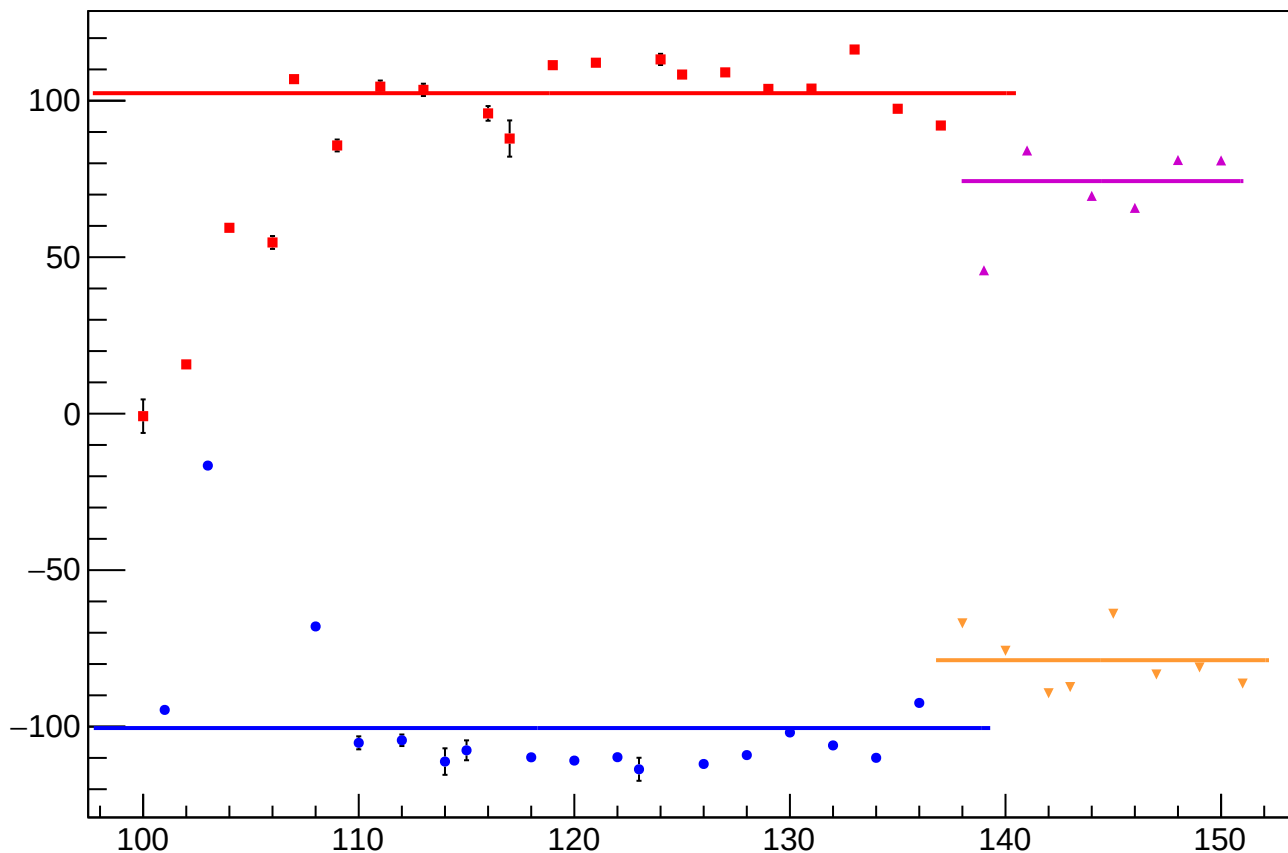
Left In: -19.997 ± 0.200 χ^2/NDF : 680.9/5

14.723 ± 0.172 χ^2/NDF : 4722.1/24

-0.966 ± 0.124 χ^2/NDF : 25576.1/50

-18.188 ± 0.180 χ^2/NDF : 3400.8/25

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: -84.939+/-0.134 χ^2/NDF : 12733.9/24

Right Out: 102.405+/-0.246 χ^2/NDF : 6100.6/19

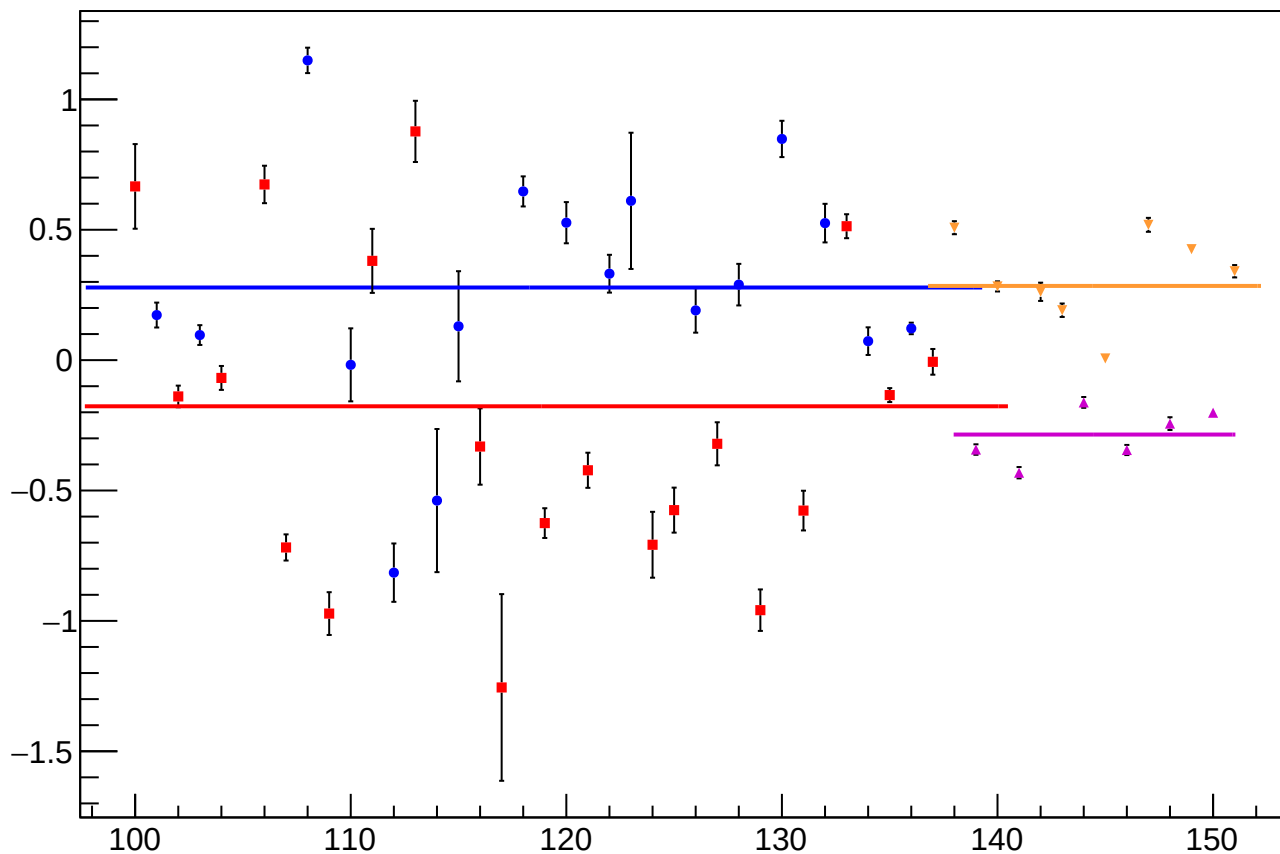
Left In: 74.312+/-0.169 χ^2/NDF : 2844.0/5

-84.939+/-0.134 χ^2/NDF : 12733.9/24

-4.300+/-0.096 χ^2/NDF : 789823.4/50

83.324+/-0.139 χ^2/NDF : 17799.6/25

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.279 $\pm$ 0.014 χ^2 /NDF: 653.9/16

Left Out: 0.285 $\pm$ 0.008 χ^2 /NDF: 507.7/7

Right Out: -0.177 $\pm$ 0.013 χ^2 /NDF: 976.8/19

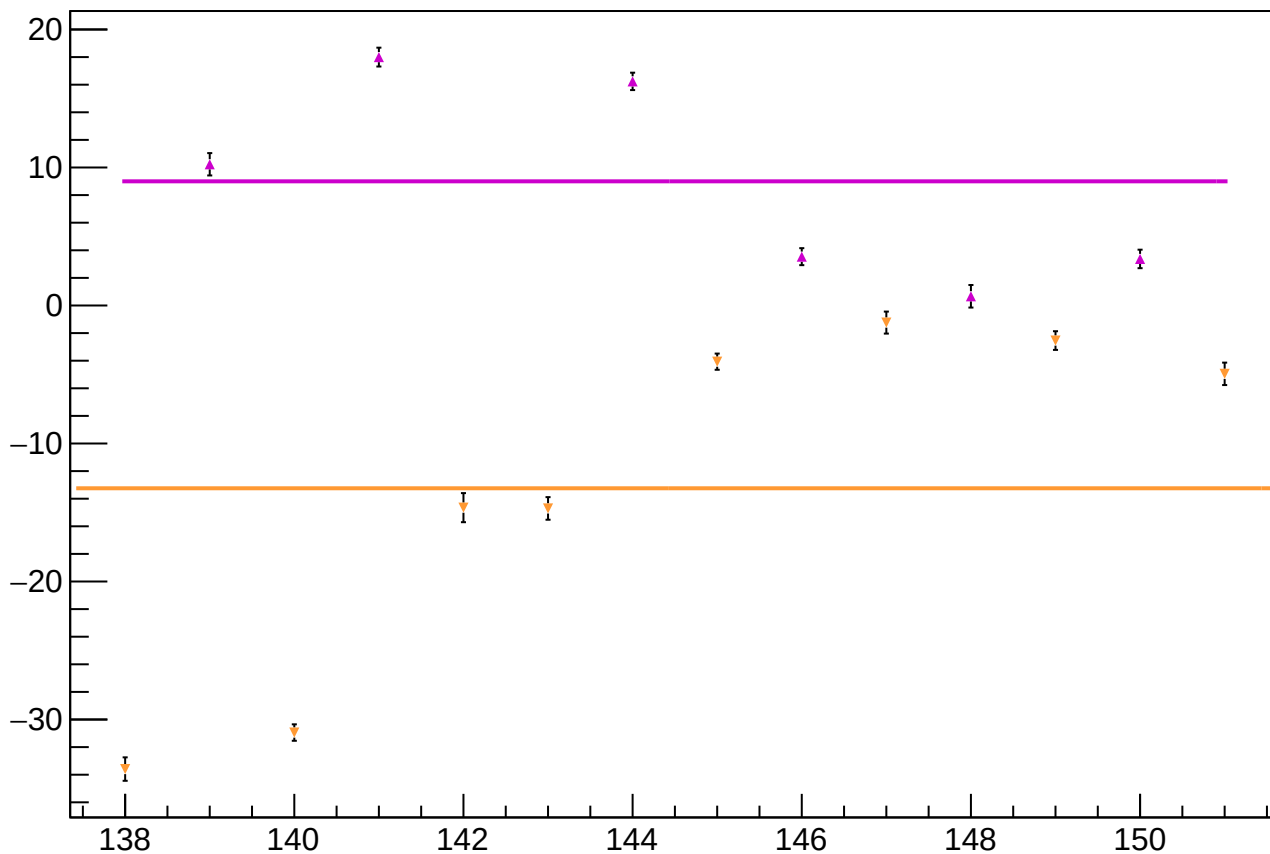
Left In: -0.285 $\pm$ 0.008 χ^2 /NDF: 122.1/5

0.283 $\pm$ 0.007 χ^2 /NDF: 1161.8/24

0.025 $\pm$ 0.005 χ^2 /NDF: 5288.7/50

-0.255 $\pm$ 0.007 χ^2 /NDF: 1145.6/25

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -13.245+/-0.260 χ^2/NDF : 2286.3/7

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

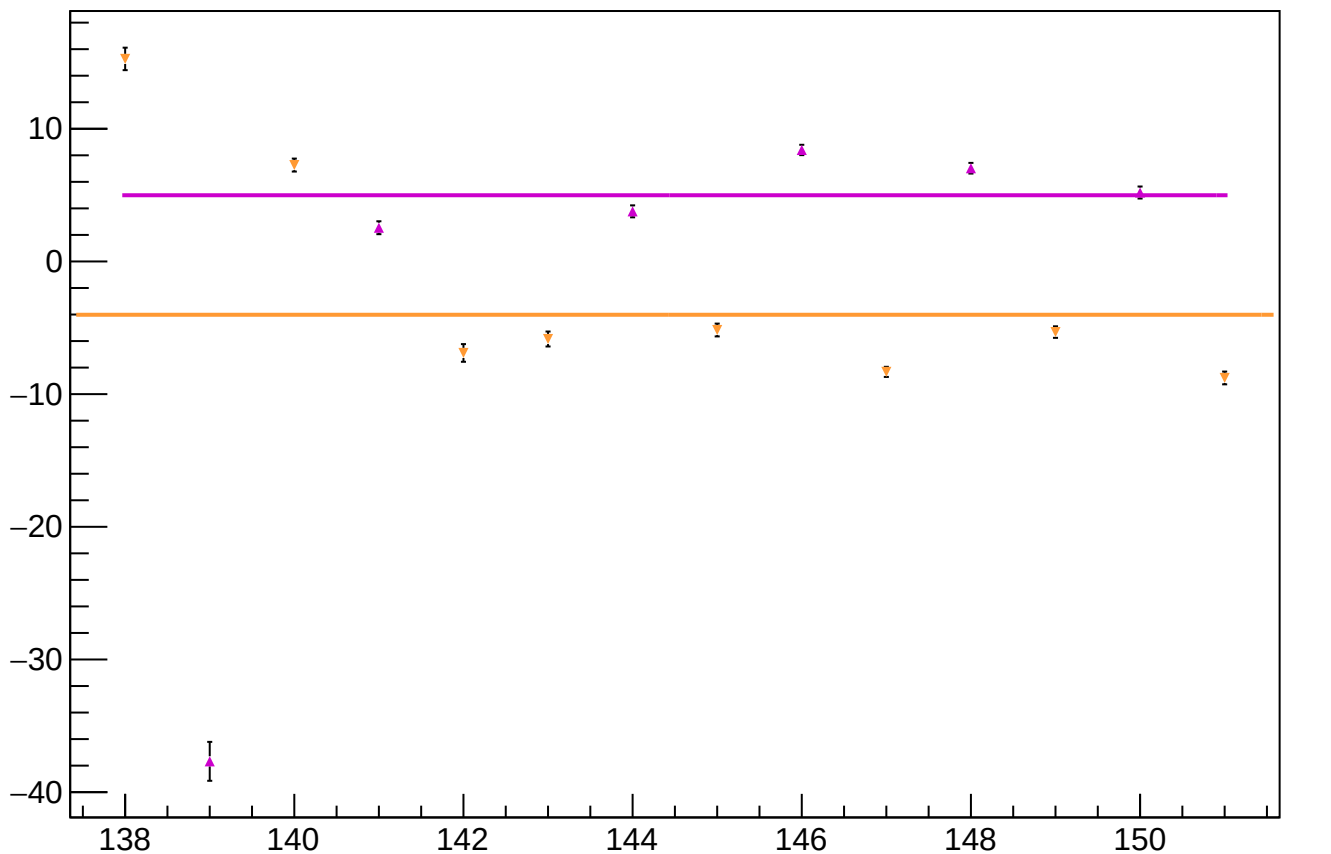
Left In: 8.997+/-0.282 χ^2/NDF : 561.2/5

-13.245+/-0.260 χ^2/NDF : 2286.3/7

-3.026+/-0.191 χ^2/NDF : 6204.5/13

8.997+/-0.282 χ^2/NDF : 561.2/5

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: -4.018+/-0.178 χ^2/NDF : 1319.9/7

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

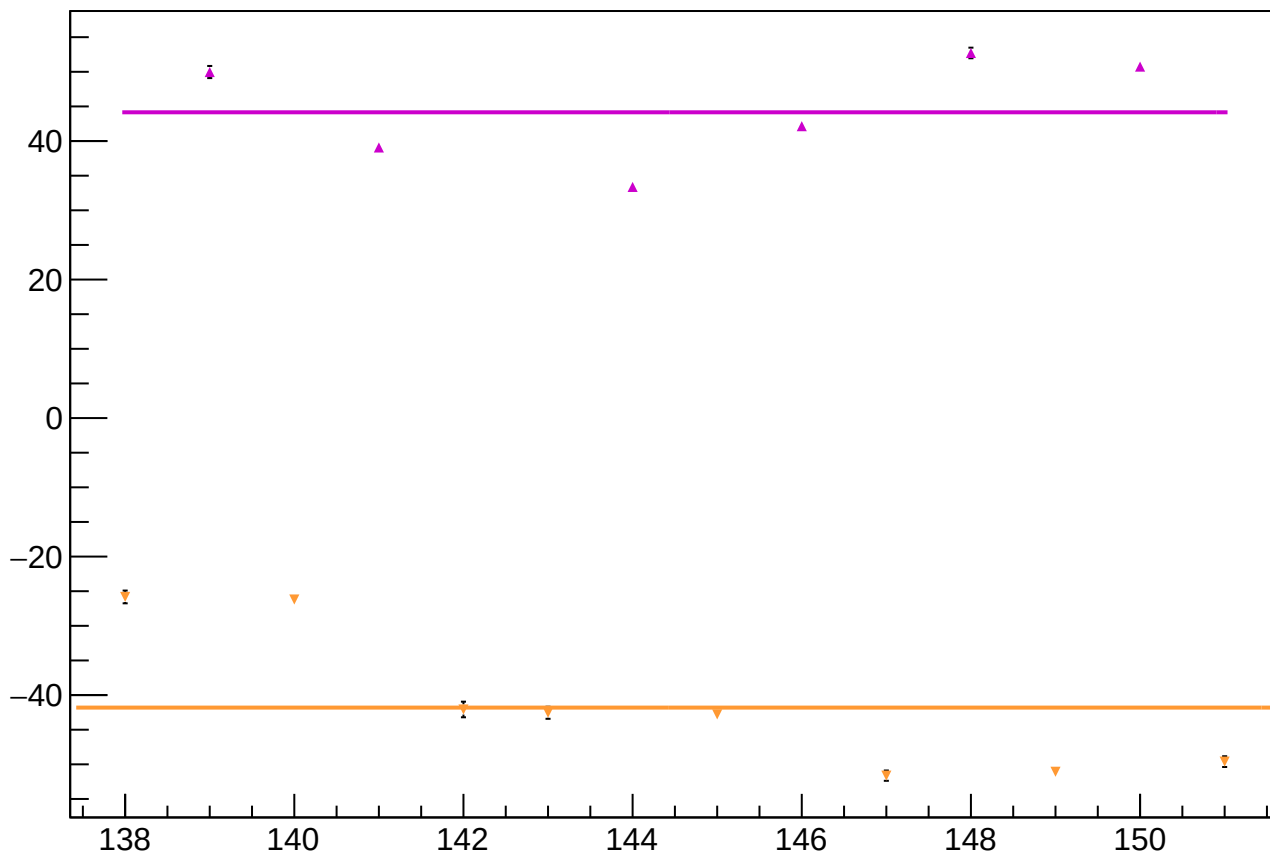
Left In: 4.990+/-0.192 χ^2/NDF : 981.6/5

-4.018+/-0.178 χ^2/NDF : 1319.9/7

0.146+/-0.130 χ^2/NDF : 3491.1/13

4.990+/-0.192 χ^2/NDF : 981.6/5

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: -41.807+/-0.264 χ^2/NDF :1398.2/7

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

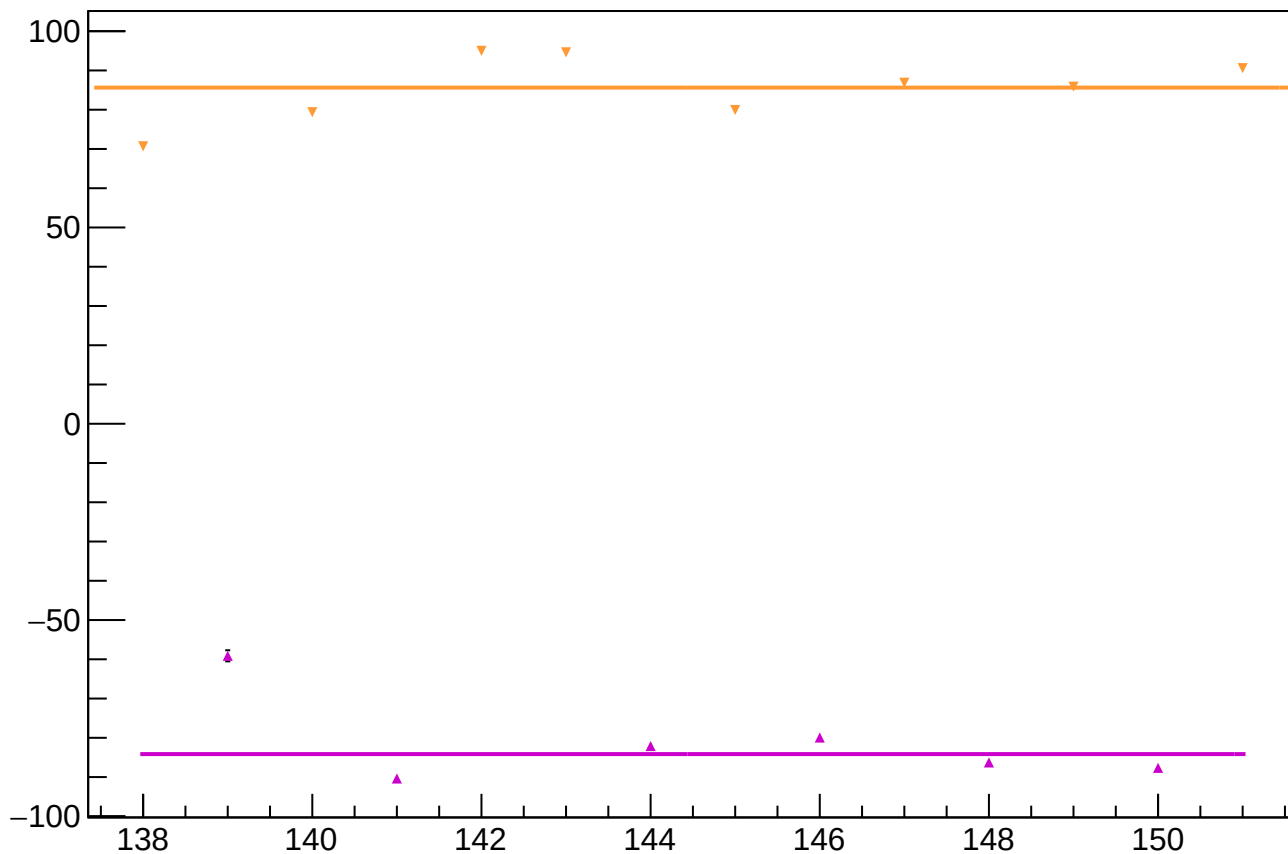
Left In: 44.153+/-0.283 χ^2/NDF :595.1/5

-41.807+/-0.264 χ^2/NDF : 1398.2/7

-1.726+/-0.193 χ^2/NDF : 51316.5/13

44.153+/-0.283 χ^2/NDF : 595.1/5

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: 85.631+/-0.219 χ^2/NDF : 836.9/7

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

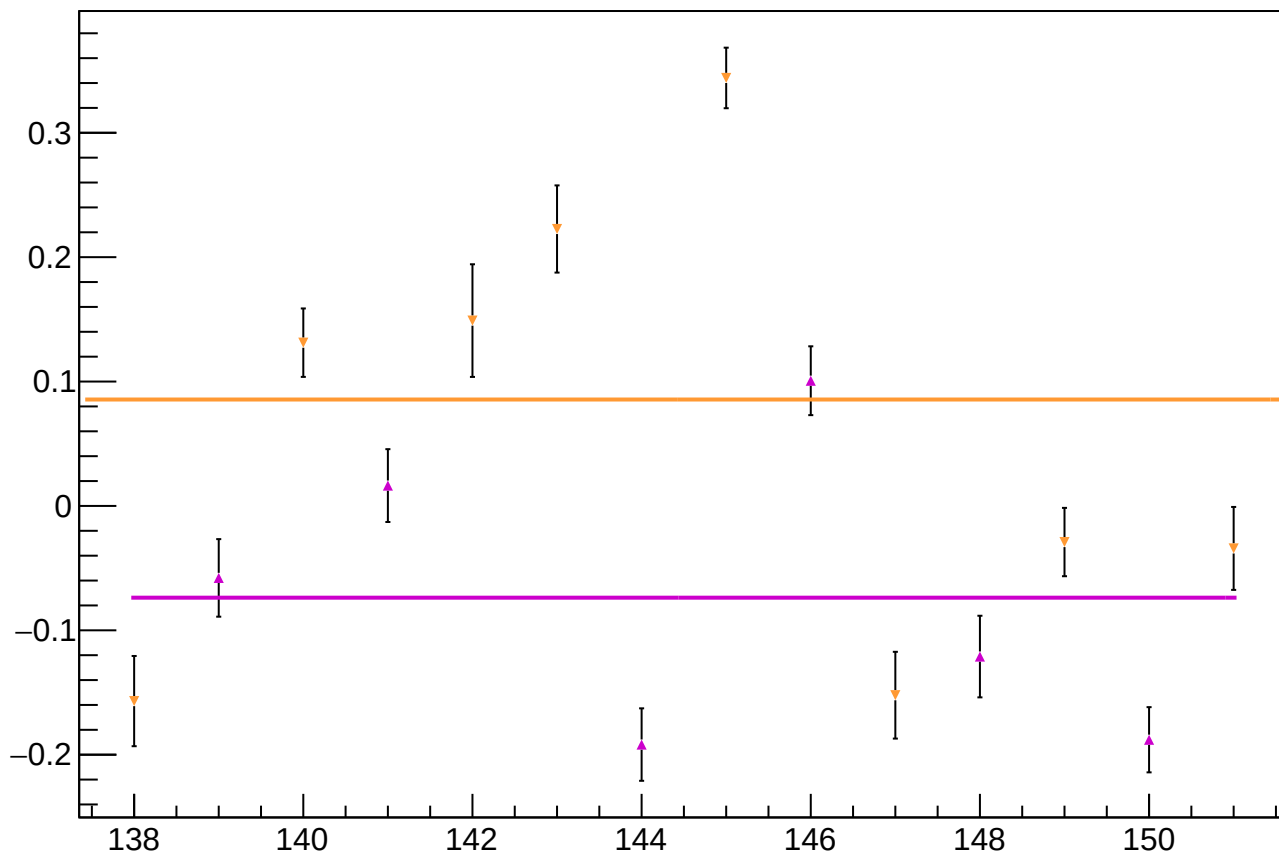
Left In: -84.149+/-0.236 χ^2/NDF : 576.4/5

85.631+/-0.219 χ^2/NDF : 836.9/7

6.851+/-0.160 χ^2/NDF : 279745.2/13

-84.149+/-0.236 χ^2/NDF : 576.4/5

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: 0.086+/-0.011 χ^2/NDF : 254.2/7

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

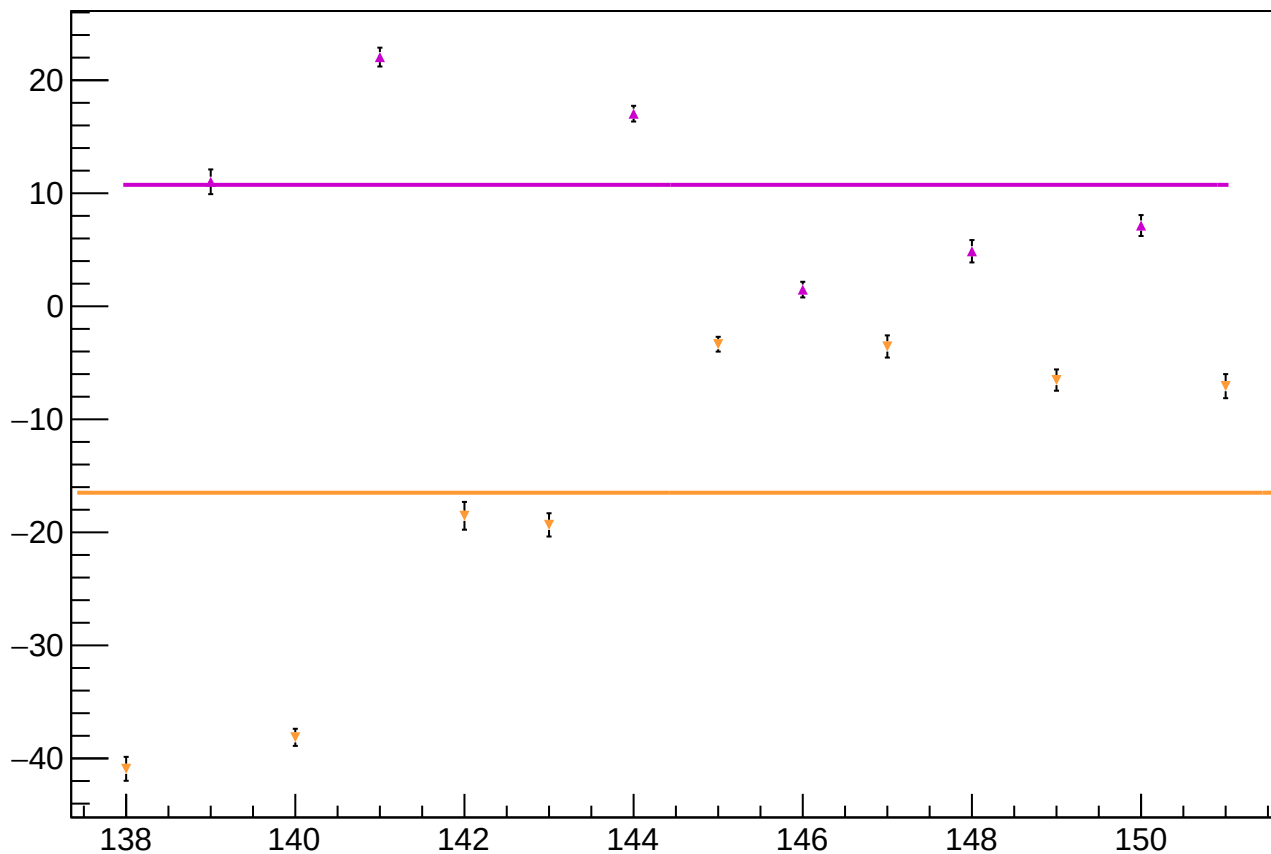
Left In: -0.074+/-0.012 χ^2/NDF : 87.0/5

0.086+/-0.011 χ^2/NDF : 254.2/7

0.011+/-0.008 χ^2/NDF : 437.1/13

-0.074+/-0.012 χ^2/NDF : 87.0/5

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: -16.493+/-0.322 χ^2/NDF : 2127.1/7

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

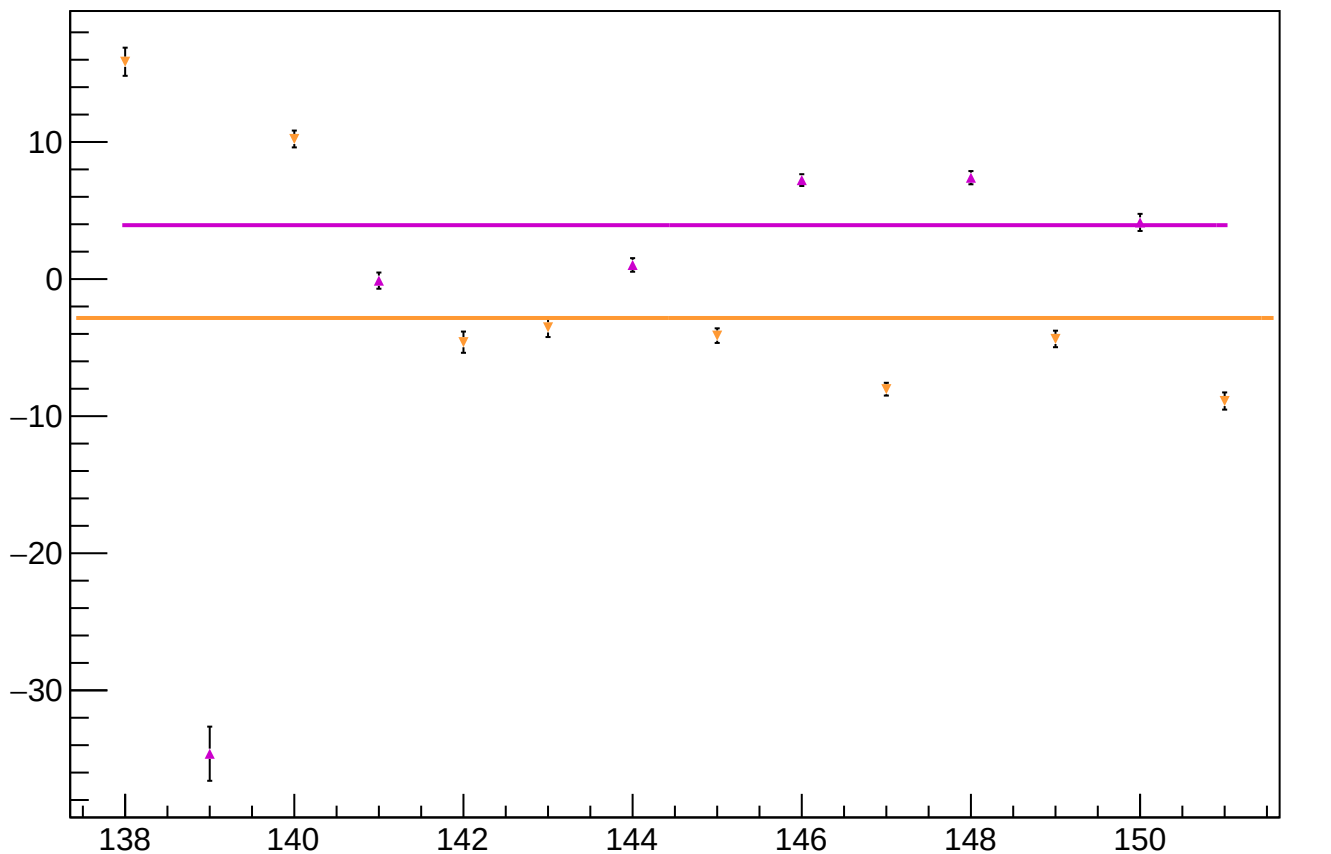
Left In: 10.745+/-0.341 χ^2/NDF : 495.8/5

-16.493+/-0.322 χ^2/NDF : 2127.1/7

-3.623+/-0.234 χ^2/NDF : 5996.2/13

10.745+/-0.341 χ^2/NDF : 495.8/5

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: -2.838+/-0.220 χ^2/NDF : 1018.3/7

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

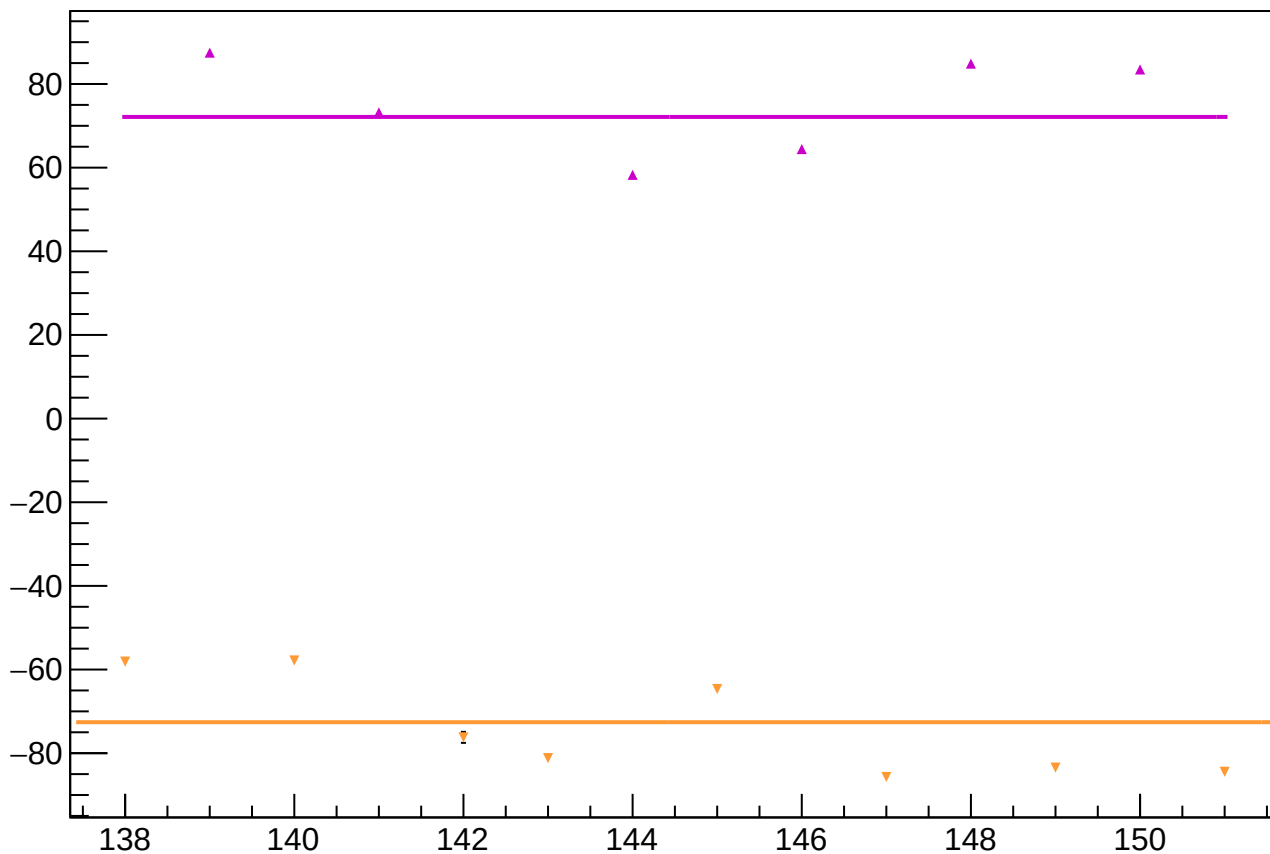
Left In: 3.932+/-0.227 χ^2/NDF : 572.3/5

-2.838+/-0.220 χ^2/NDF : 1018.3/7

0.447+/-0.158 χ^2/NDF : 2050.2/13

3.932+/-0.227 χ^2/NDF : 572.3/5

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: -72.591+/-0.329 χ^2/NDF :1186.0/7

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

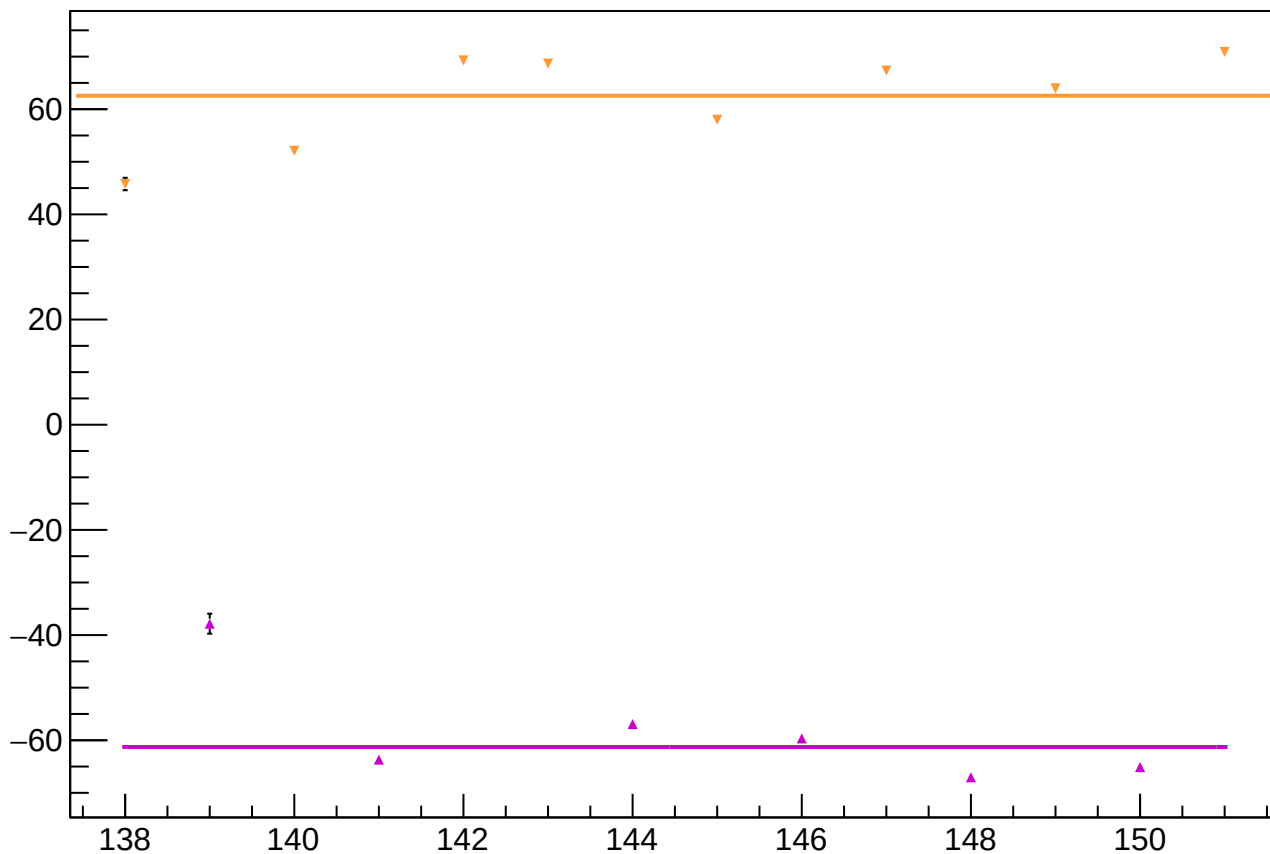
Left In: 72.125+/-0.342 χ^2/NDF :1009.9/5

-72.591+/-0.329 χ^2/NDF : 1186.0/7

-2.984+/-0.237 χ^2/NDF : 95109.0/13

72.125+/-0.342 χ^2/NDF : 1009.9/5

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: 62.562+/-0.272 χ^2/NDF : 723.2/7

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

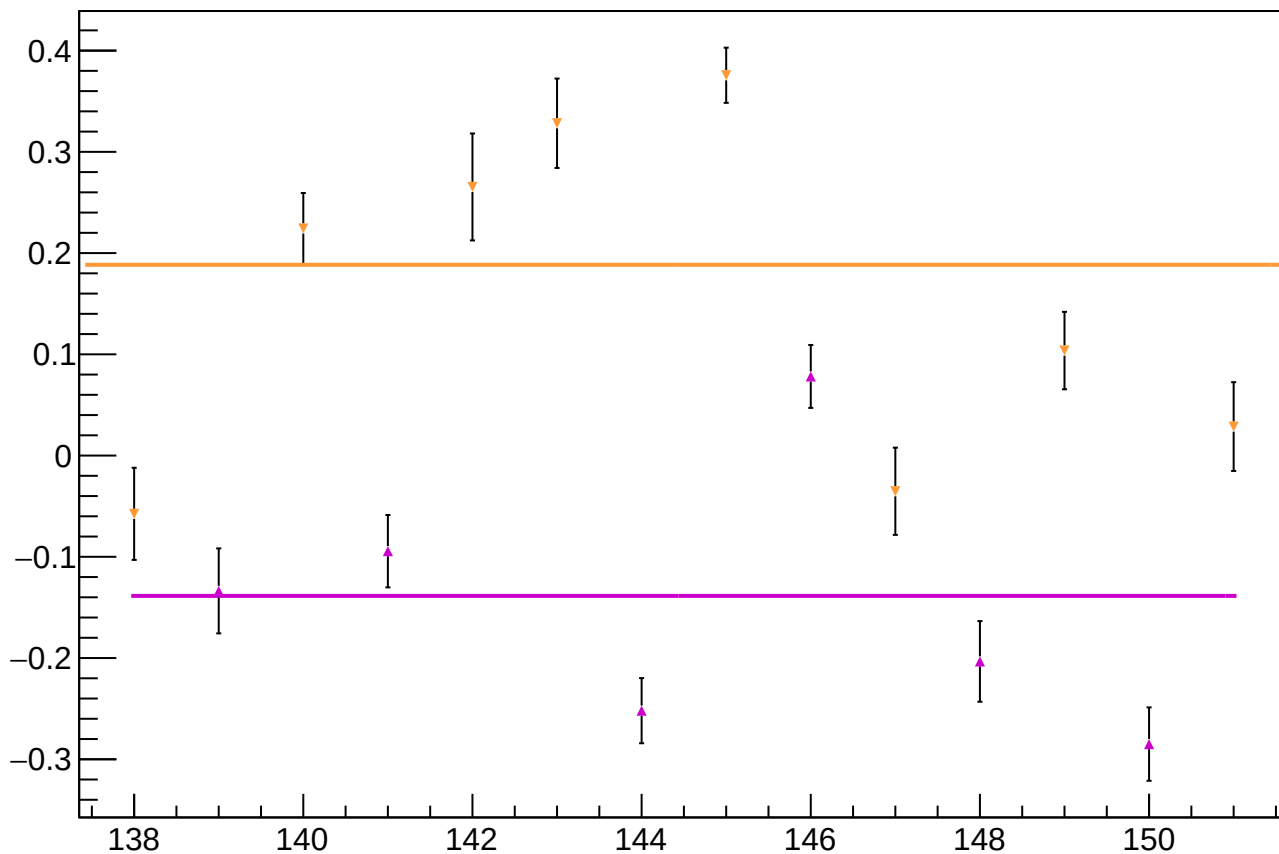
Left In: -61.275+/-0.281 χ^2/NDF : 328.0/5

62.562+/-0.272 χ^2/NDF : 723.2/7

2.632+/-0.195 χ^2/NDF : 101423.4/13

-61.275+/-0.281 χ^2/NDF : 328.0/5

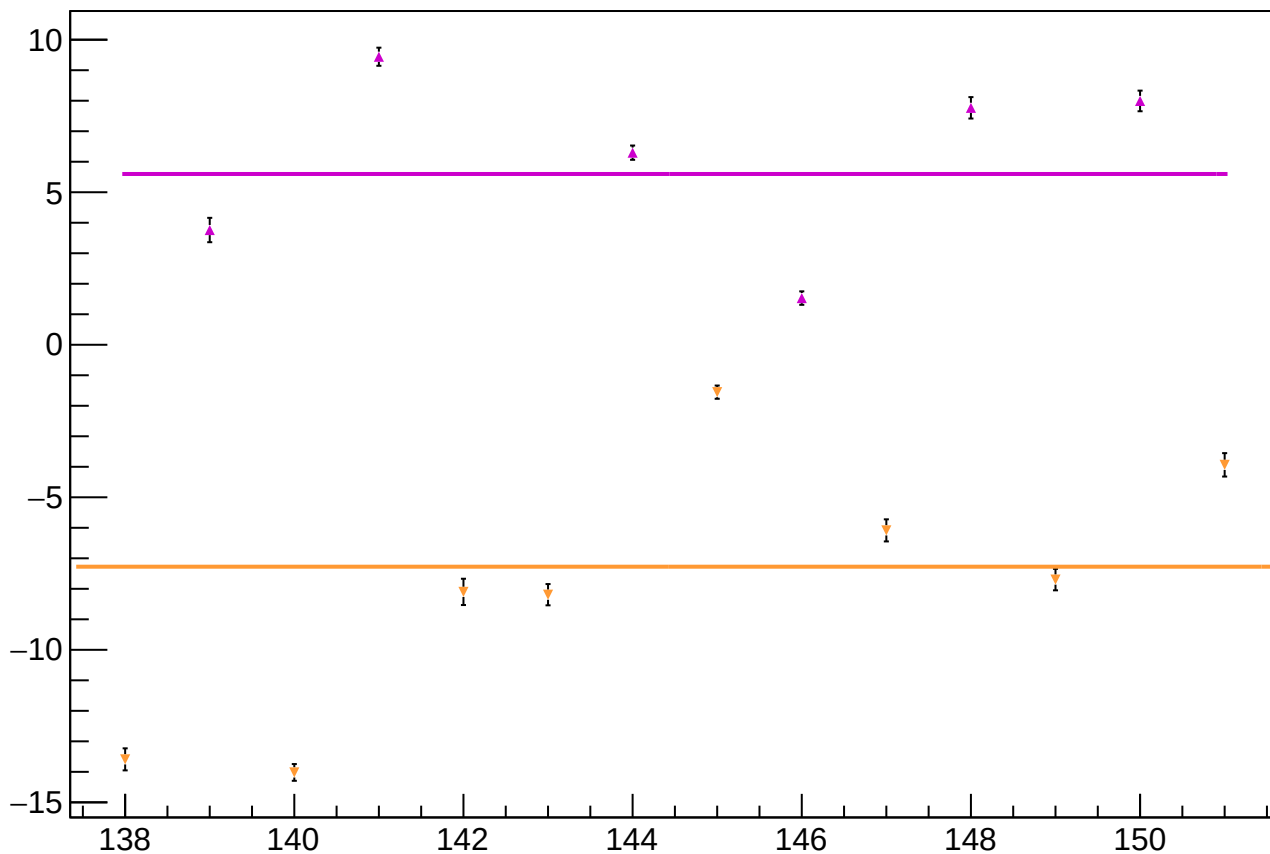
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.188 $\pm$ 0.014 χ^2 /NDF:134.8/7
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.139 $\pm$ 0.015 χ^2 /NDF:81.6/5

0.188 $\pm$ 0.014 χ^2 /NDF: 134.8/7
 0.033 $\pm$ 0.010 χ^2 /NDF: 483.1/13
 -0.139 $\pm$ 0.015 χ^2 /NDF: 81.6/5

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: -7.275+/-0.113 χ^2/NDF : 1701.9/7

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

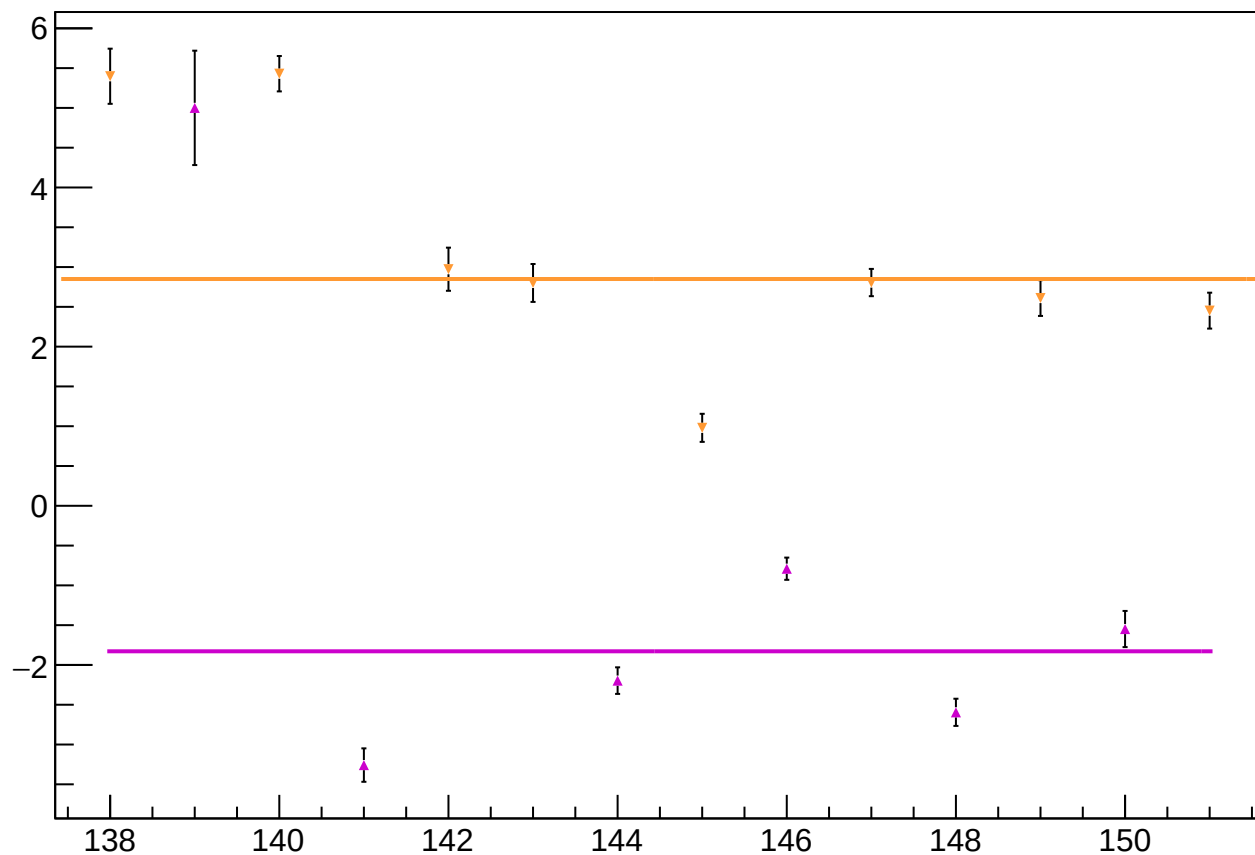
Left In: 5.598+/-0.117 χ^2/NDF : 625.2/5

-7.275+/-0.113 χ^2/NDF : 1701.9/7

-1.051+/-0.081 χ^2/NDF : 8595.6/13

5.598+/-0.117 χ^2/NDF : 625.2/5

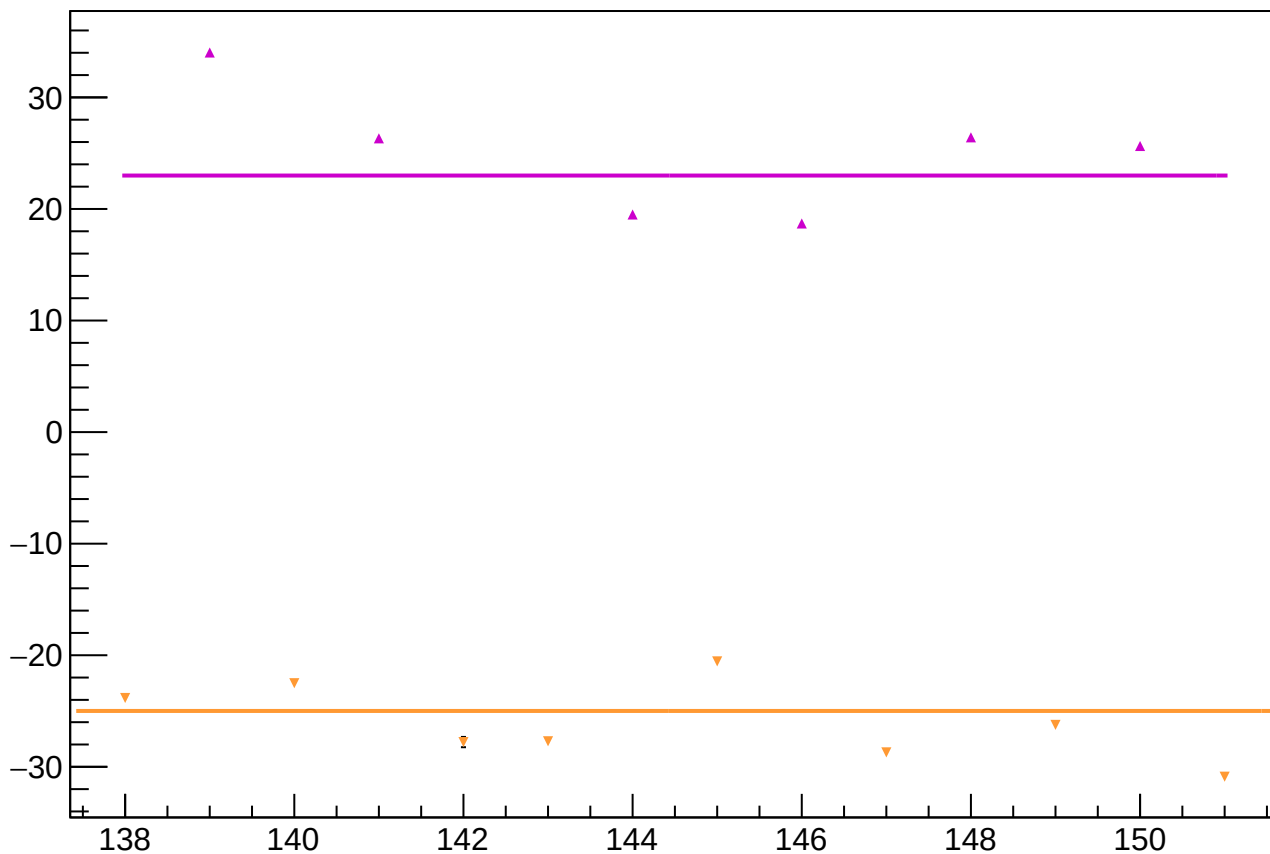
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 2.850+/-0.078 χ^2/NDF : 305.8/7
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.828+/-0.078 χ^2/NDF : 218.4/5

2.850+/-0.078 χ^2/NDF : 305.8/7
 0.511+/-0.055 χ^2/NDF : 2334.7/13
 -1.828+/-0.078 χ^2/NDF : 218.4/5

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -24.993+/-0.116 χ^2/NDF : 934.9/7

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

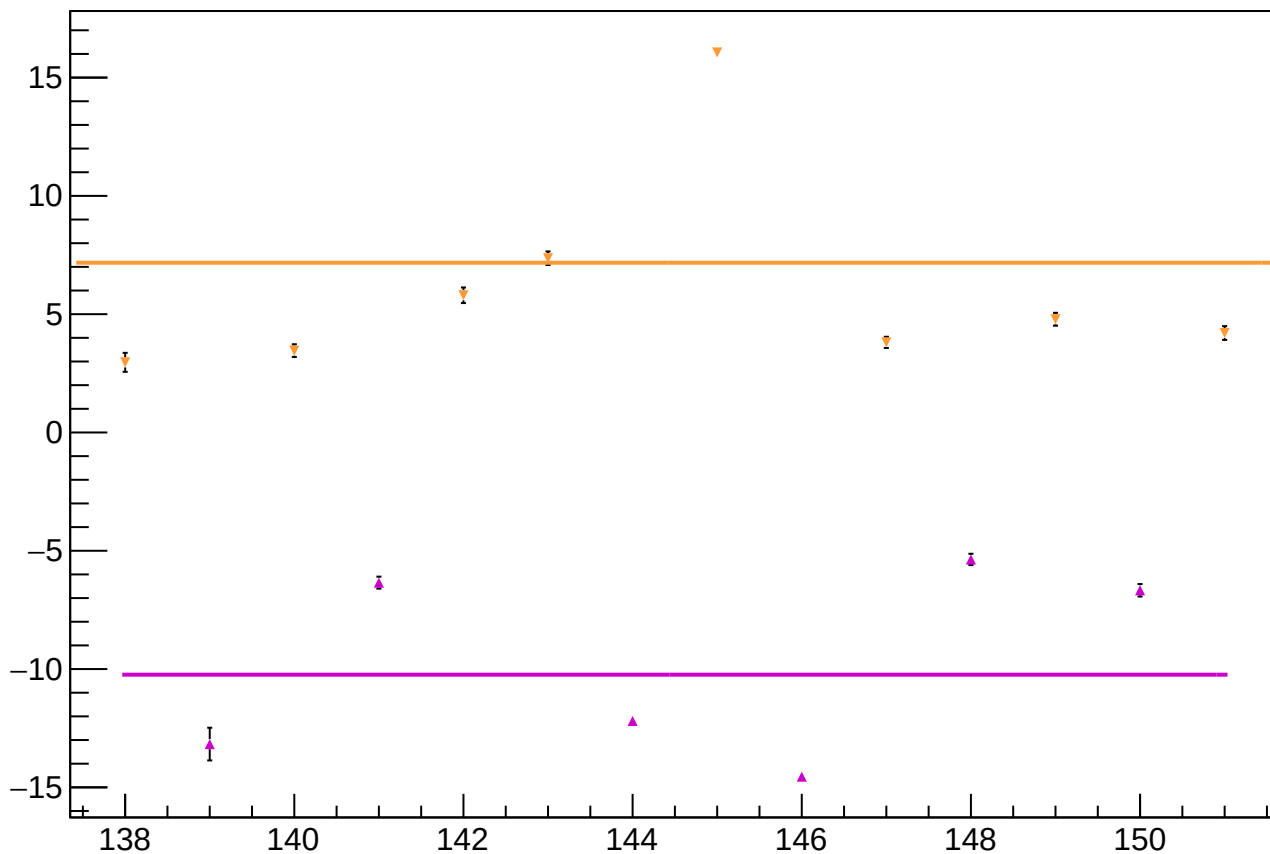
Left In: 22.996+/-0.117 χ^2/NDF : 1543.1/5

-24.993+/-0.116 χ^2/NDF : 934.9/7

-1.276+/-0.082 χ^2/NDF : 87106.8/13

22.996+/-0.117 χ^2/NDF : 1543.1/5

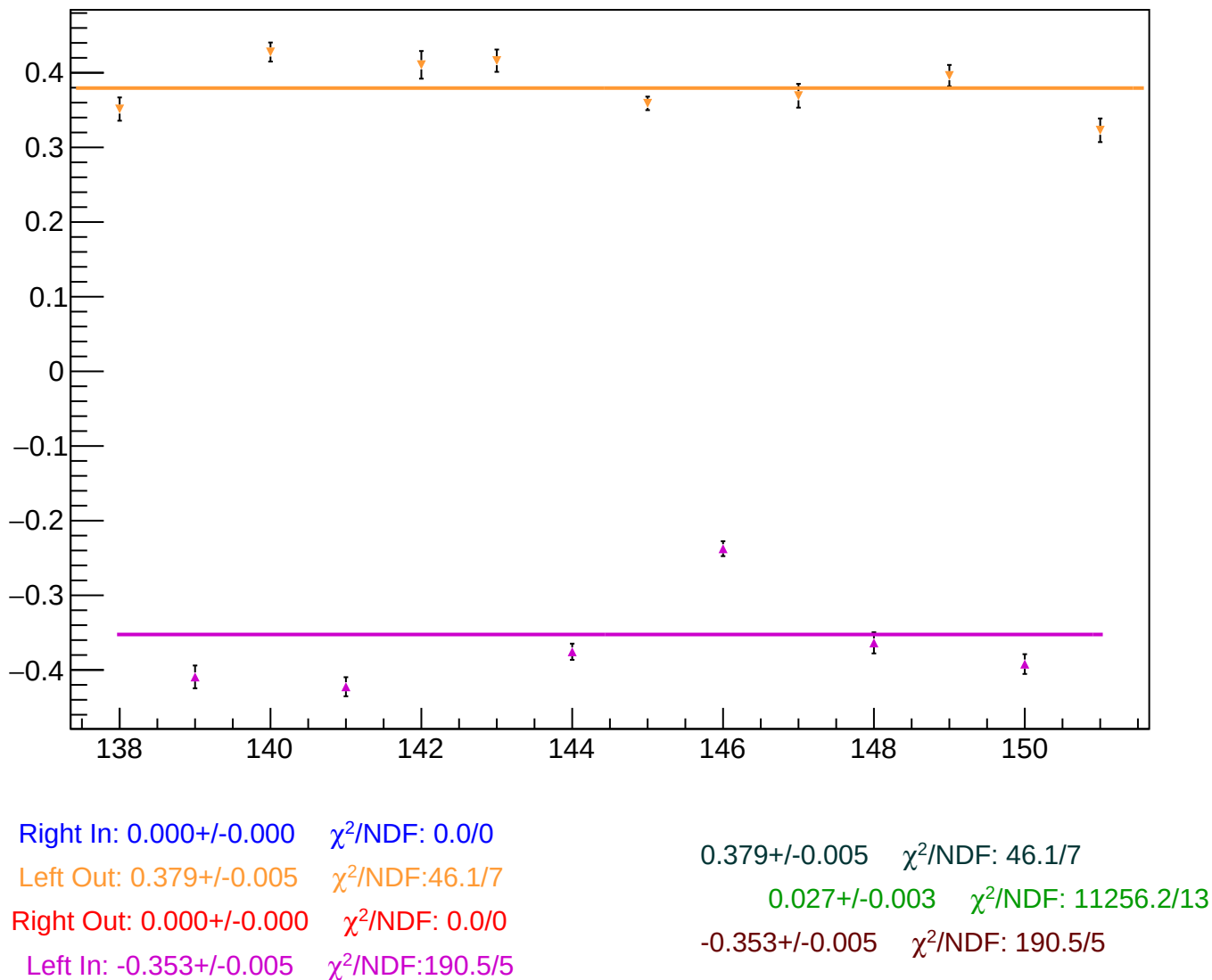
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



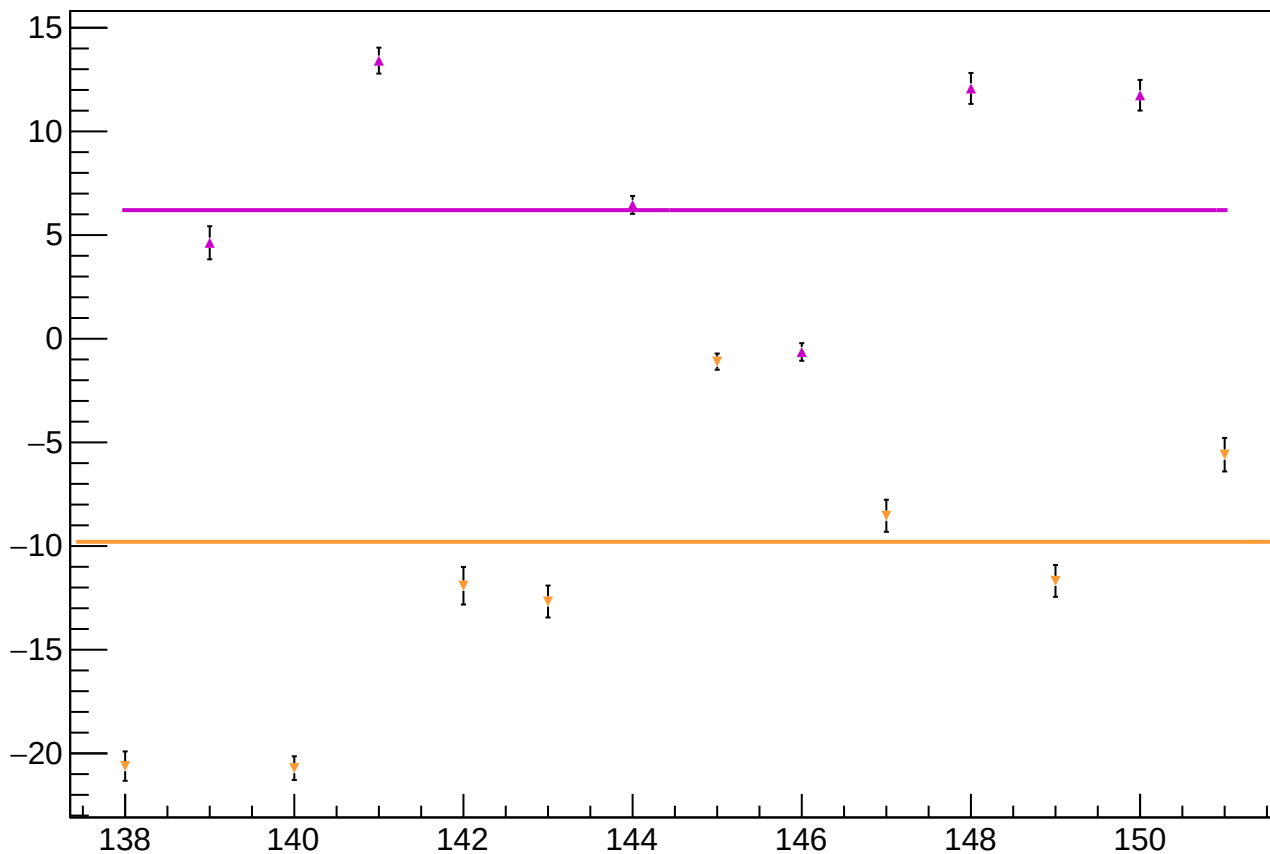
Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: 7.176 ± 0.096 χ^2/NDF : 2614.3/7
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -10.238 ± 0.096 χ^2/NDF : 1556.5/5

7.176 ± 0.096 χ^2/NDF : 2614.3/7
 -1.490 ± 0.068 χ^2/NDF : 20576.8/13
 -10.238 ± 0.096 χ^2/NDF : 1556.5/5

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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: -9.793+/-0.227 χ^2/NDF : 1149.7/7

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

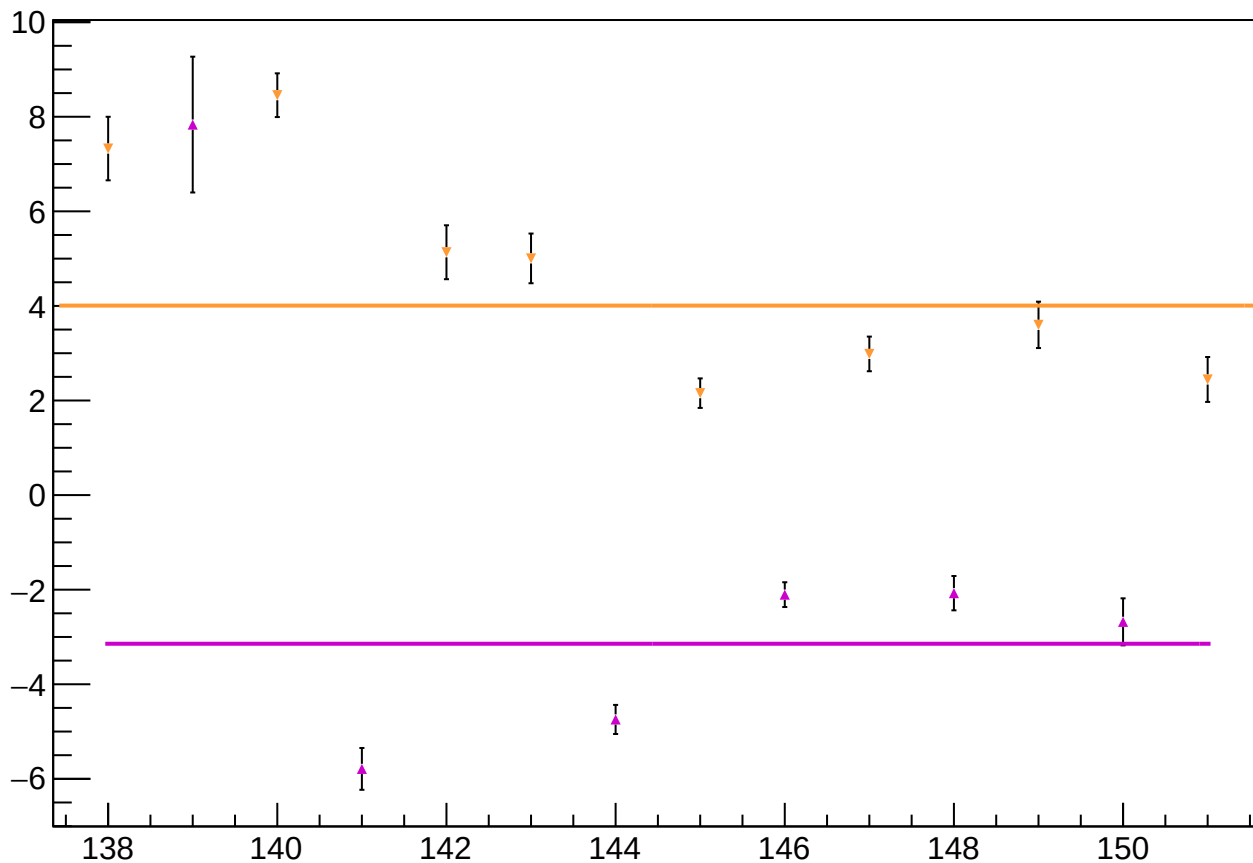
Left In: 6.202+/-0.231 χ^2/NDF : 515.4/5

-9.793+/-0.227 χ^2/NDF : 1149.7/7

-1.955+/-0.162 χ^2/NDF : 4101.0/13

6.202+/-0.231 χ^2/NDF : 515.4/5

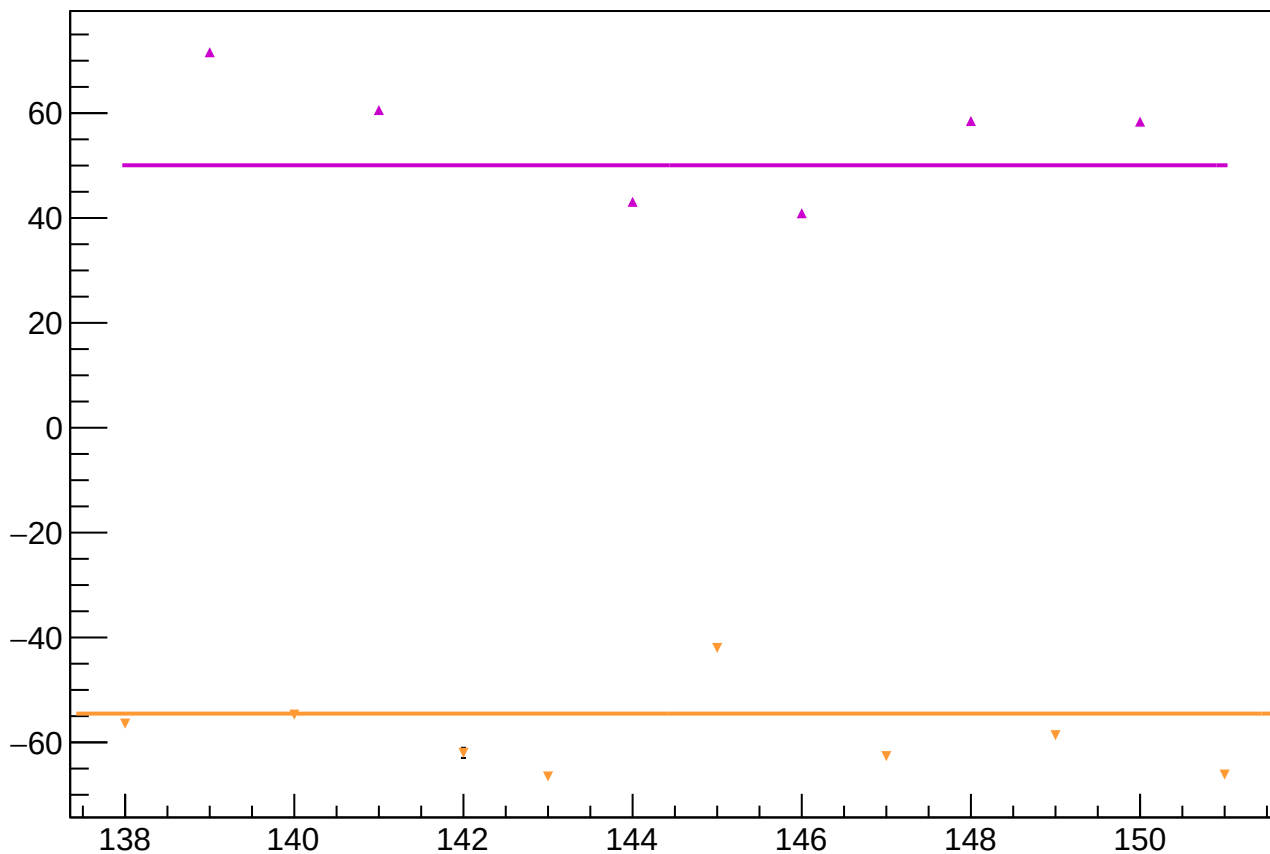
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 4.007+/-0.158 χ^2/NDF :179.0/7
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.143+/-0.154 χ^2/NDF :146.6/5

4.007+/-0.158 χ^2/NDF : 179.0/7
 0.325+/-0.110 χ^2/NDF : 1376.5/13
 -3.143+/-0.154 χ^2/NDF : 146.6/5

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: -54.520 ± 0.234 χ^2/NDF : 1569.8/7

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

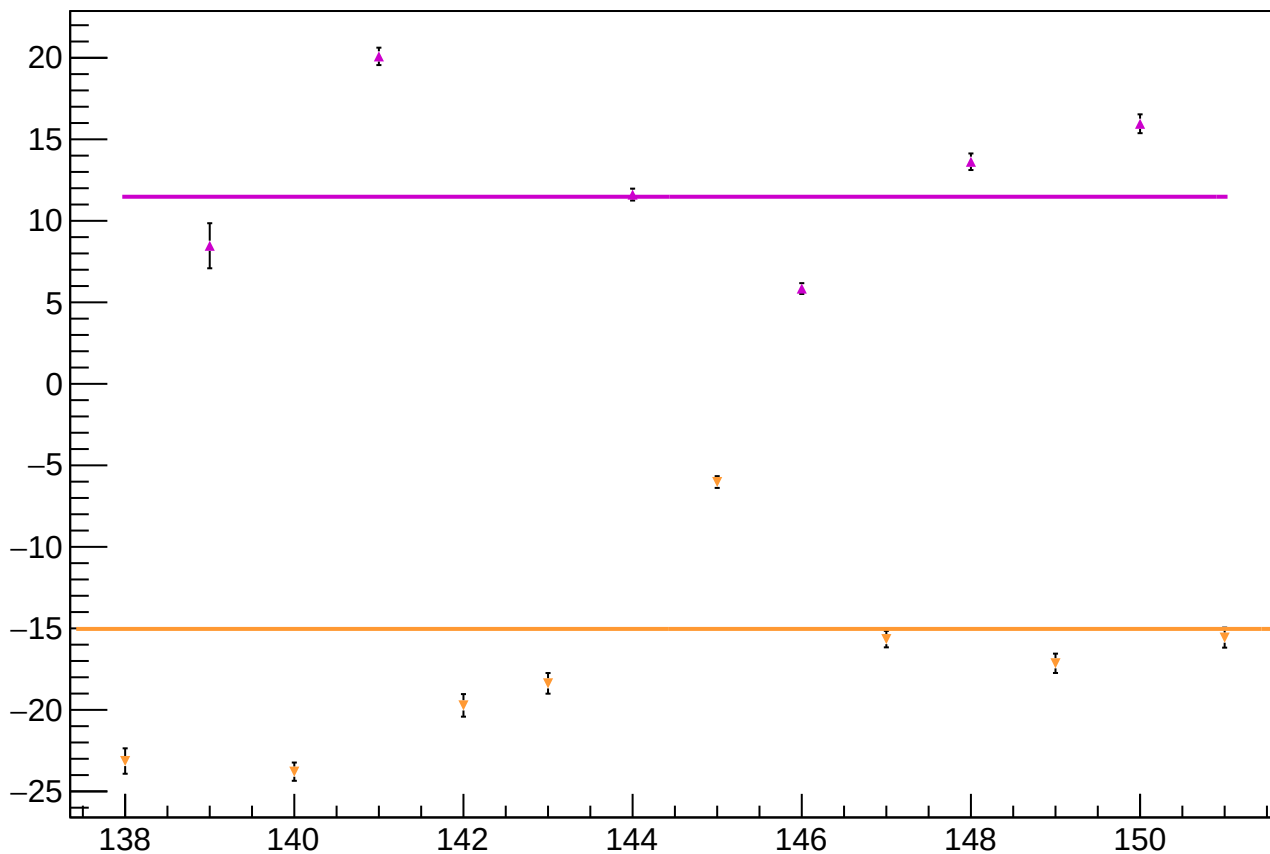
Left In: 50.055 ± 0.233 χ^2/NDF : 1895.1/5

-54.520 ± 0.234 χ^2/NDF : 1569.8/7

-1.990 ± 0.165 χ^2/NDF : 103693.9/13

50.055 ± 0.233 χ^2/NDF : 1895.1/5

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: -15.033+/-0.194 χ^2/NDF : 1064.6/7

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

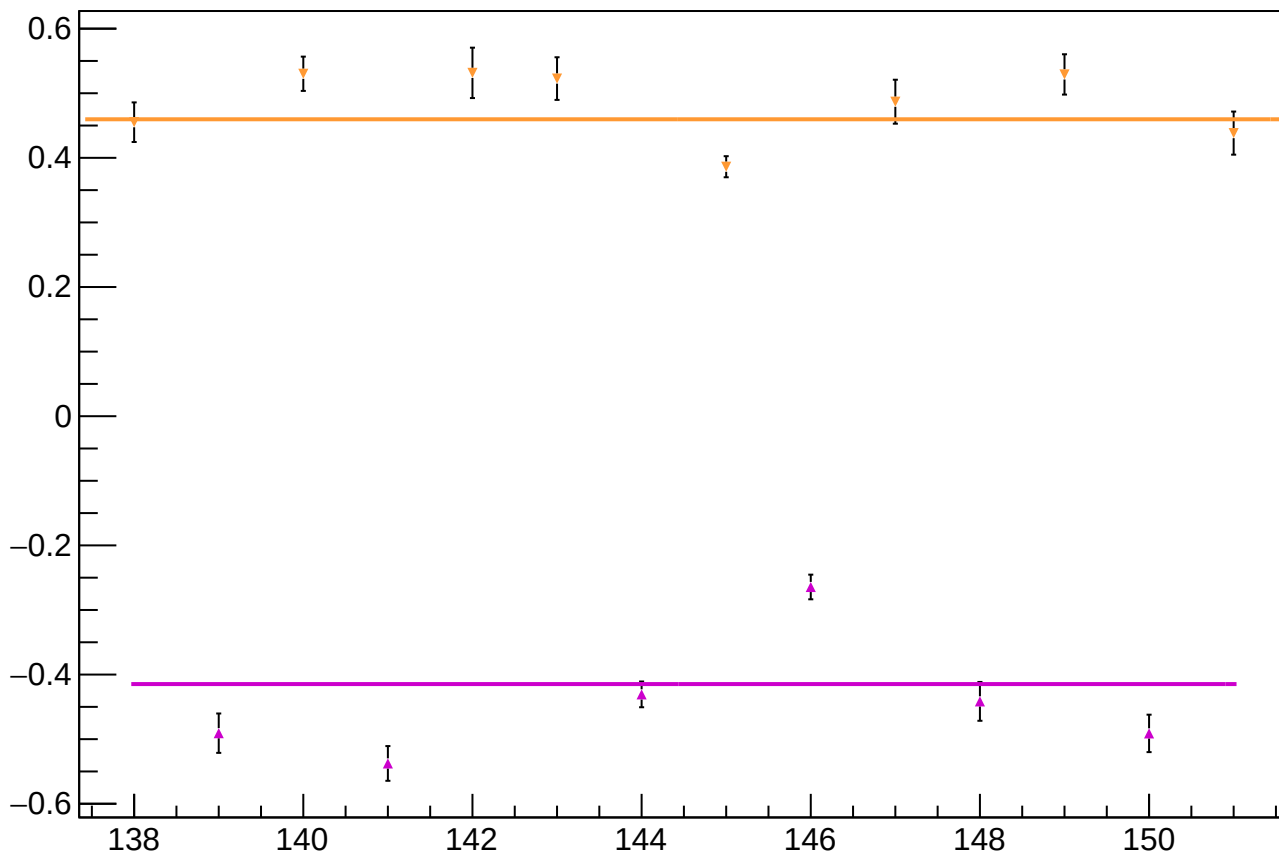
Left In: 11.478+/-0.191 χ^2/NDF : 632.1/5

-15.033+/-0.194 χ^2/NDF : 1064.6/7

-1.525+/-0.136 χ^2/NDF : 11182.4/13

11.478+/-0.191 χ^2/NDF : 632.1/5

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: 0.460+/-0.010 χ^2/NDF : 40.4/7

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

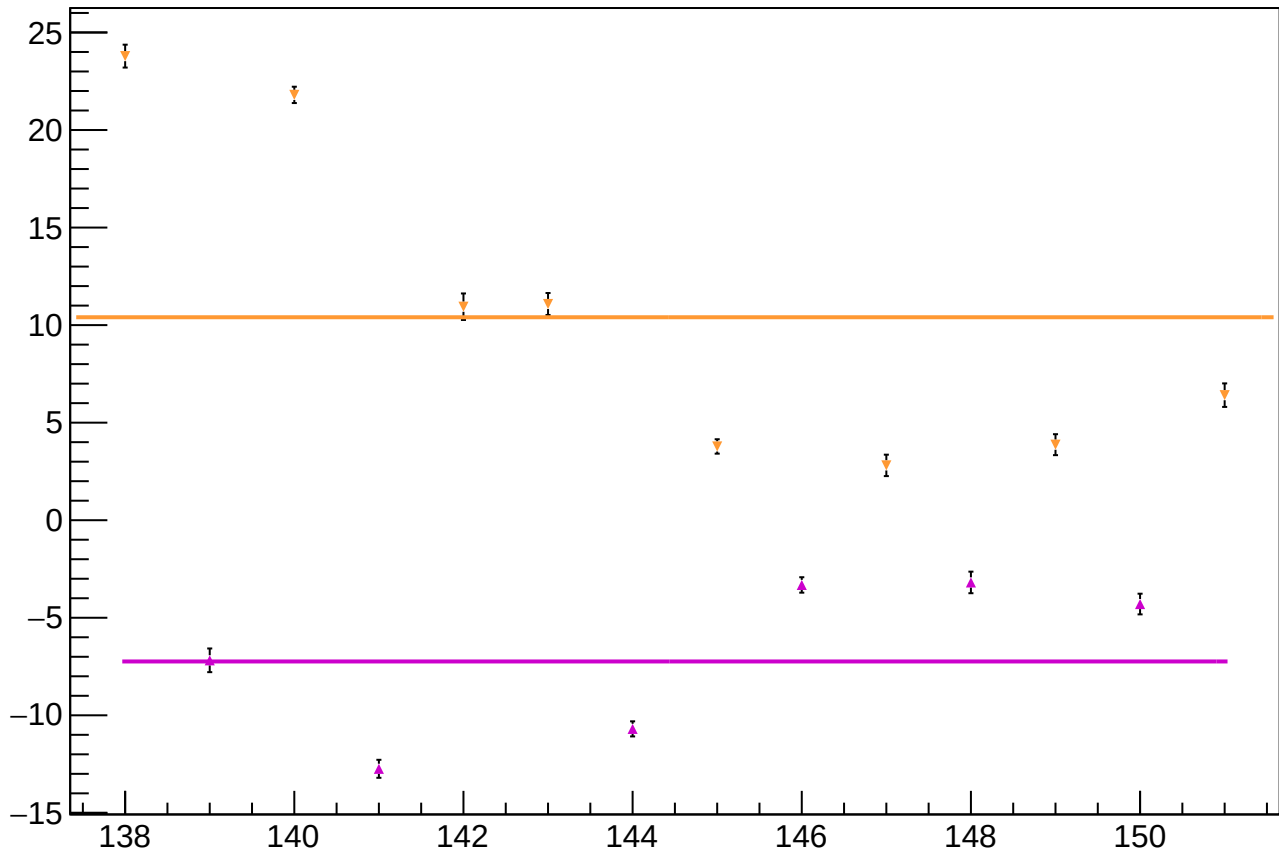
Left In: -0.415+/-0.010 χ^2/NDF : 97.5/5

0.460+/-0.010 χ^2/NDF : 40.4/7

0.035+/-0.007 χ^2/NDF : 4077.2/13

-0.415+/-0.010 χ^2/NDF : 97.5/5

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: 10.403+/-0.180 χ^2/NDF : 1969.4/7

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

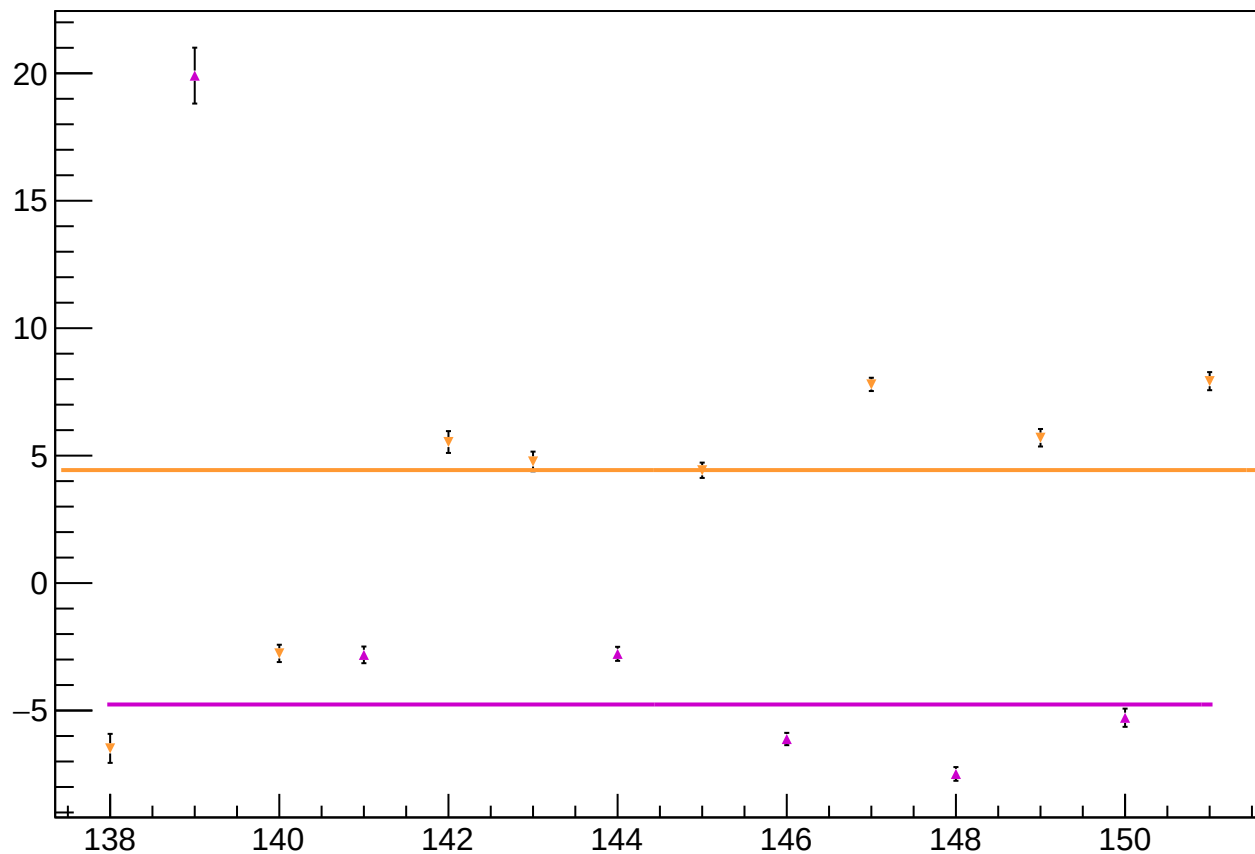
Left In: -7.240+/-0.191 χ^2/NDF : 405.0/5

10.403+/-0.180 χ^2/NDF : 1969.4/7

2.110+/-0.131 χ^2/NDF : 6881.5/13

-7.240+/-0.191 χ^2/NDF : 405.0/5

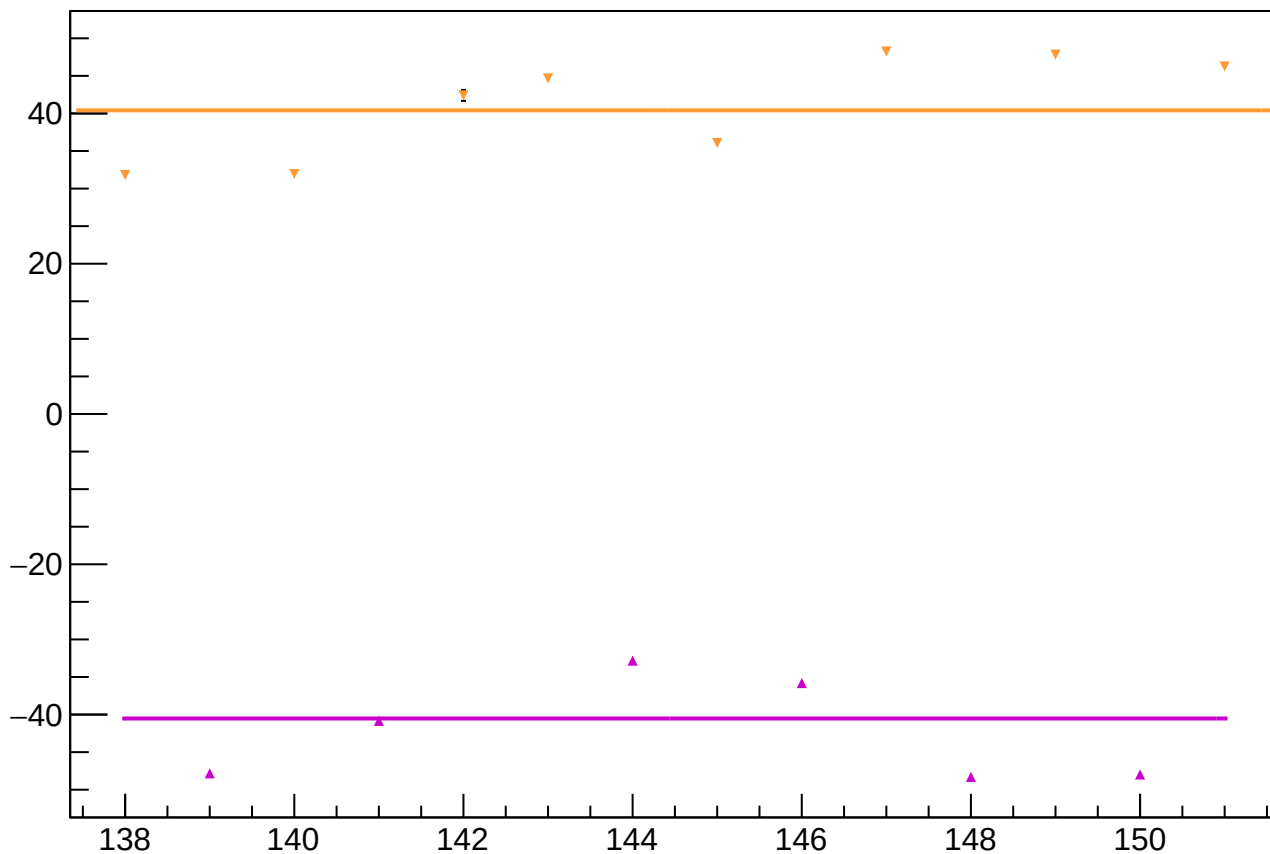
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 4.433+/-0.123 χ^2/NDF :1100.5/7
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -4.763+/-0.127 χ^2/NDF :729.5/5

4.433+/-0.123 χ^2/NDF : 1100.5/7
 -0.023+/-0.088 χ^2/NDF : 4538.7/13
 -4.763+/-0.127 χ^2/NDF : 729.5/5

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: 40.412 $\pm$ 0.184 χ^2 /NDF:1280.4/7

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

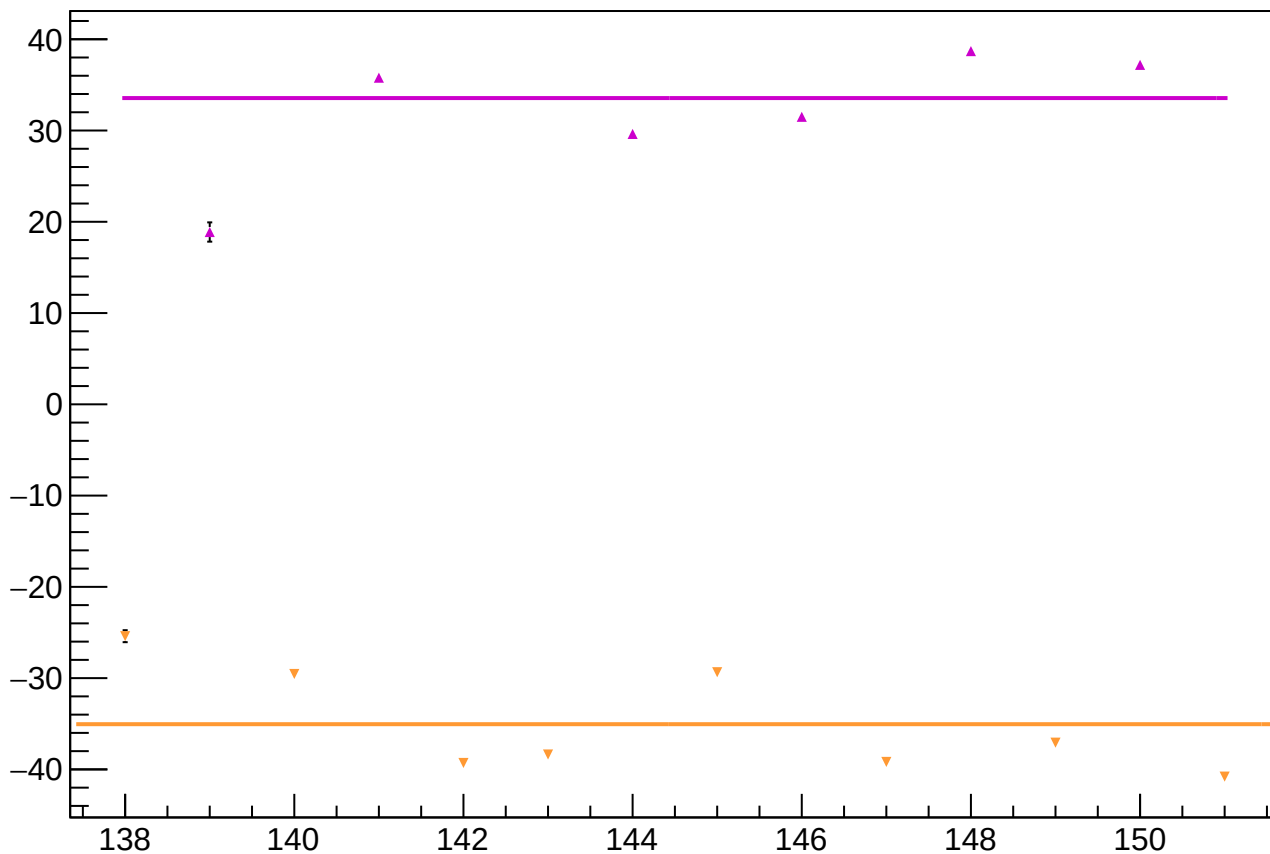
Left In: -40.523 $\pm$ 0.192 χ^2 /NDF:1075.1/5

40.412 $\pm$ 0.184 χ^2 /NDF: 1280.4/7

1.688 $\pm$ 0.133 χ^2 /NDF: 94707.6/13

-40.523 $\pm$ 0.192 χ^2 /NDF: 1075.1/5

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: -35.046+/-0.152 χ^2/NDF : 1097.0/7

-35.046+/-0.152 χ^2/NDF : 1097.0/7

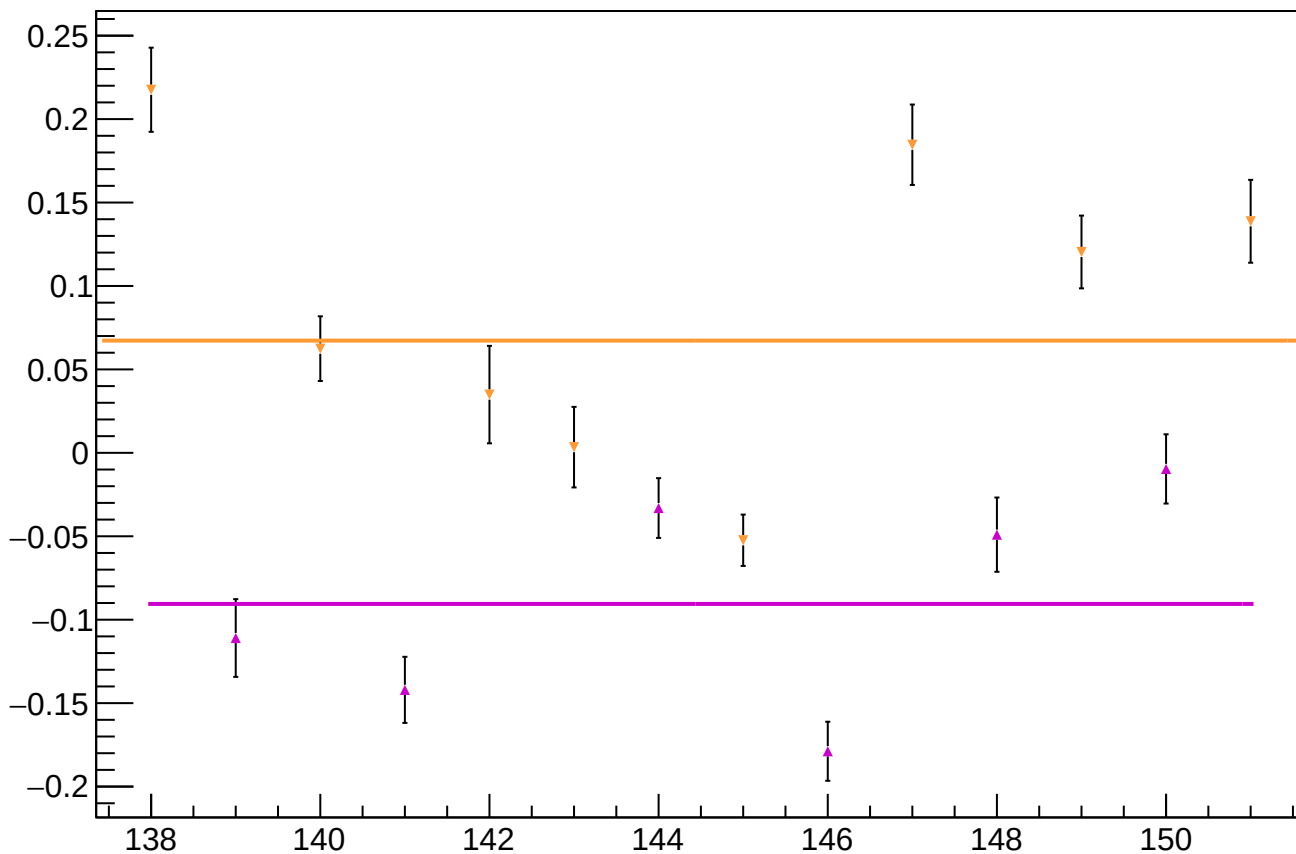
-1.956+/-0.109 χ^2/NDF : 99955.2/13

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

33.555+/-0.158 χ^2/NDF : 678.8/5

Left In: 33.555+/-0.158 χ^2/NDF : 678.8/5

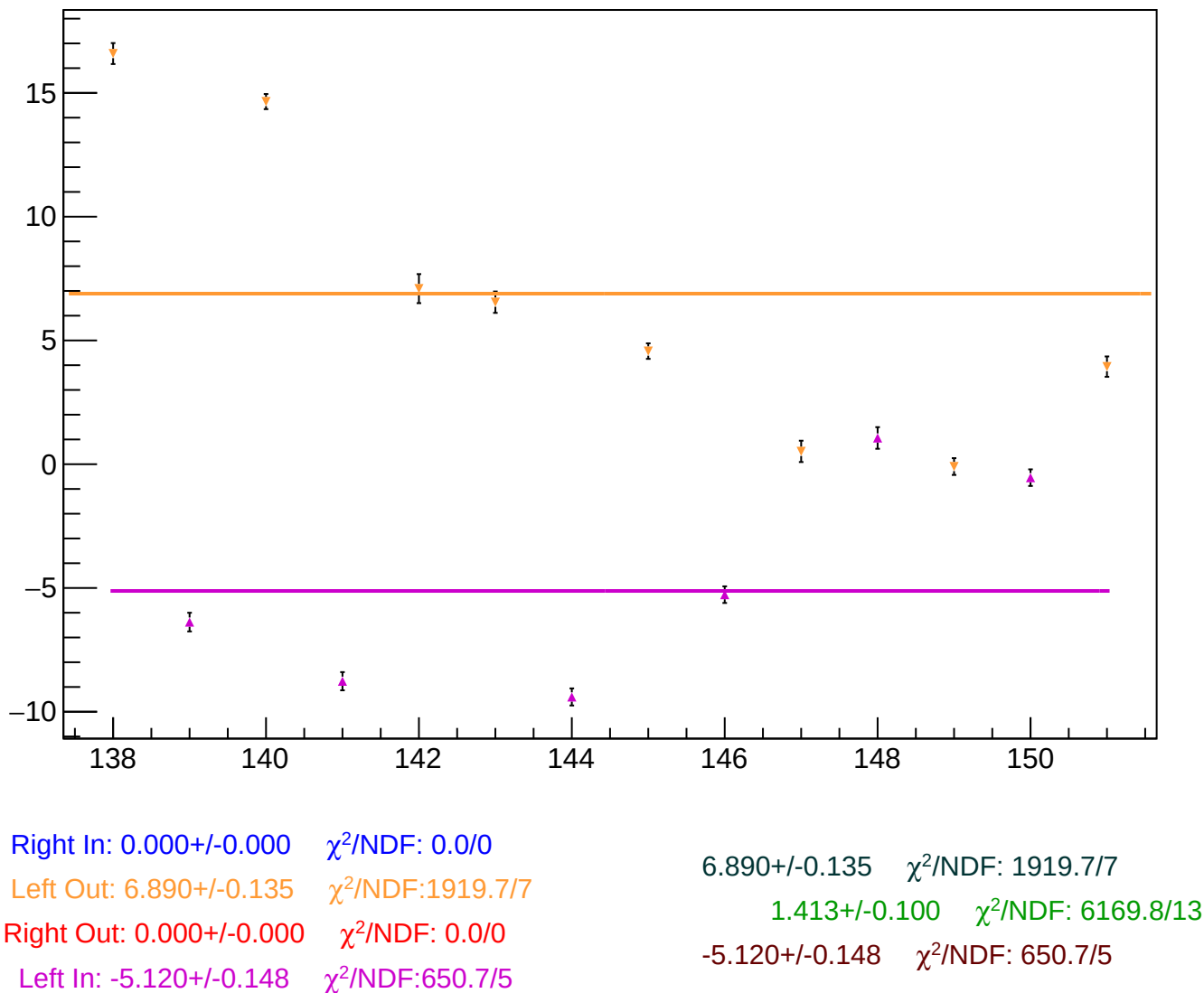
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



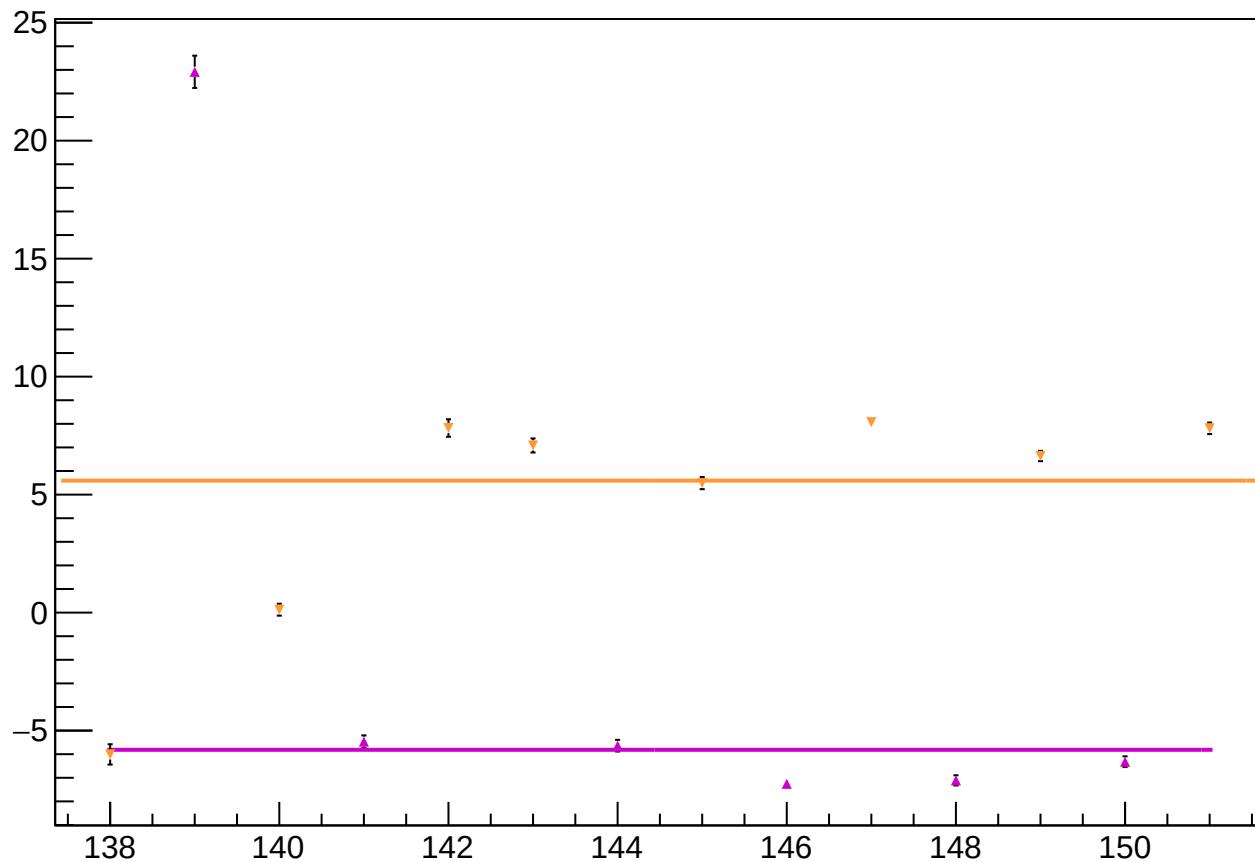
Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.067 $\pm$ 0.008 χ^2 /NDF:142.3/7
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.091 $\pm$ 0.008 χ^2 /NDF:61.4/5

0.067 $\pm$ 0.008 χ^2 /NDF: 142.3/7
 -0.007 $\pm$ 0.006 χ^2 /NDF: 401.3/13
 -0.091 $\pm$ 0.008 χ^2 /NDF: 61.4/5

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



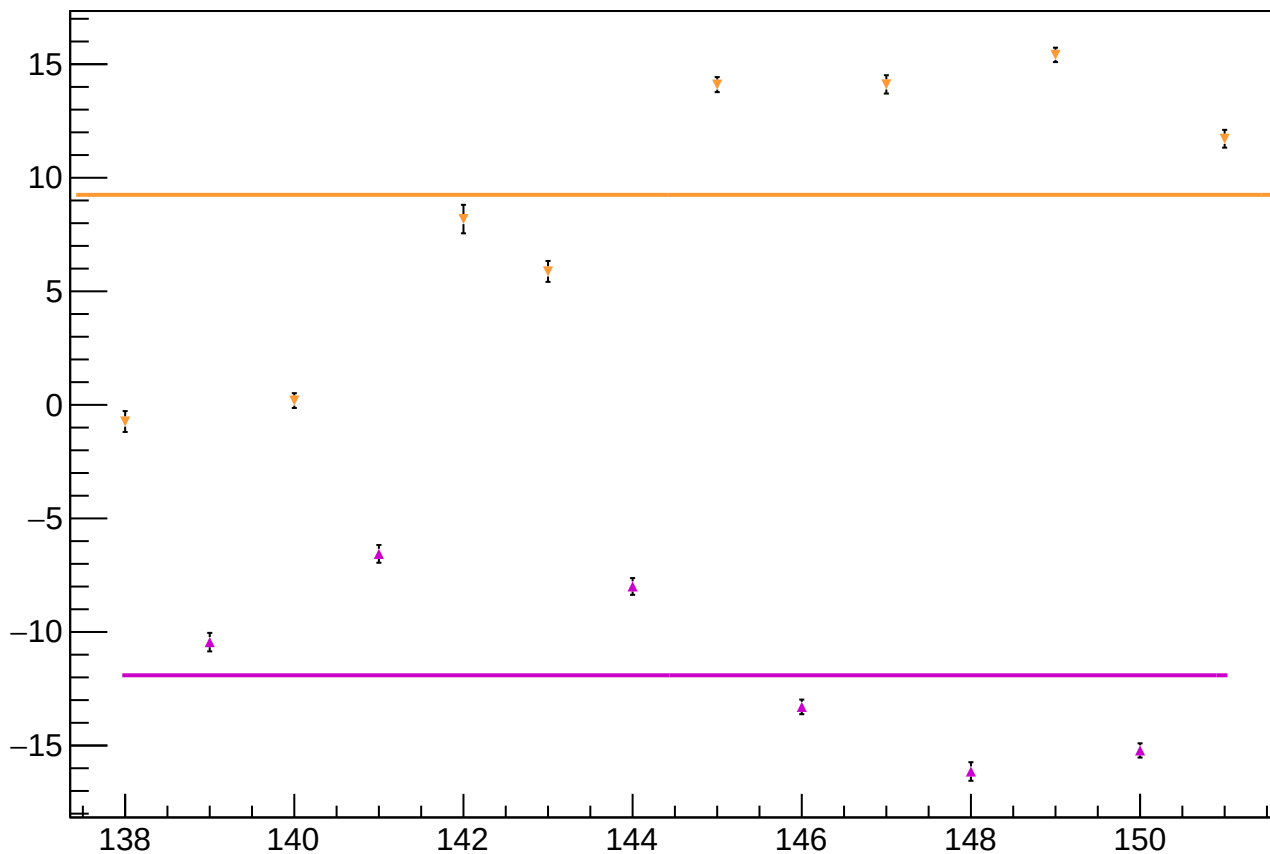
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.594 $\pm$ 0.093 χ^2 /NDF:1500.5/7
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -5.814 $\pm$ 0.102 χ^2 /NDF:1851.3/5

5.594 $\pm$ 0.093 χ^2 /NDF: 1500.5/7
 0.423 $\pm$ 0.069 χ^2 /NDF: 10160.3/13
 -5.814 $\pm$ 0.102 χ^2 /NDF: 1851.3/5

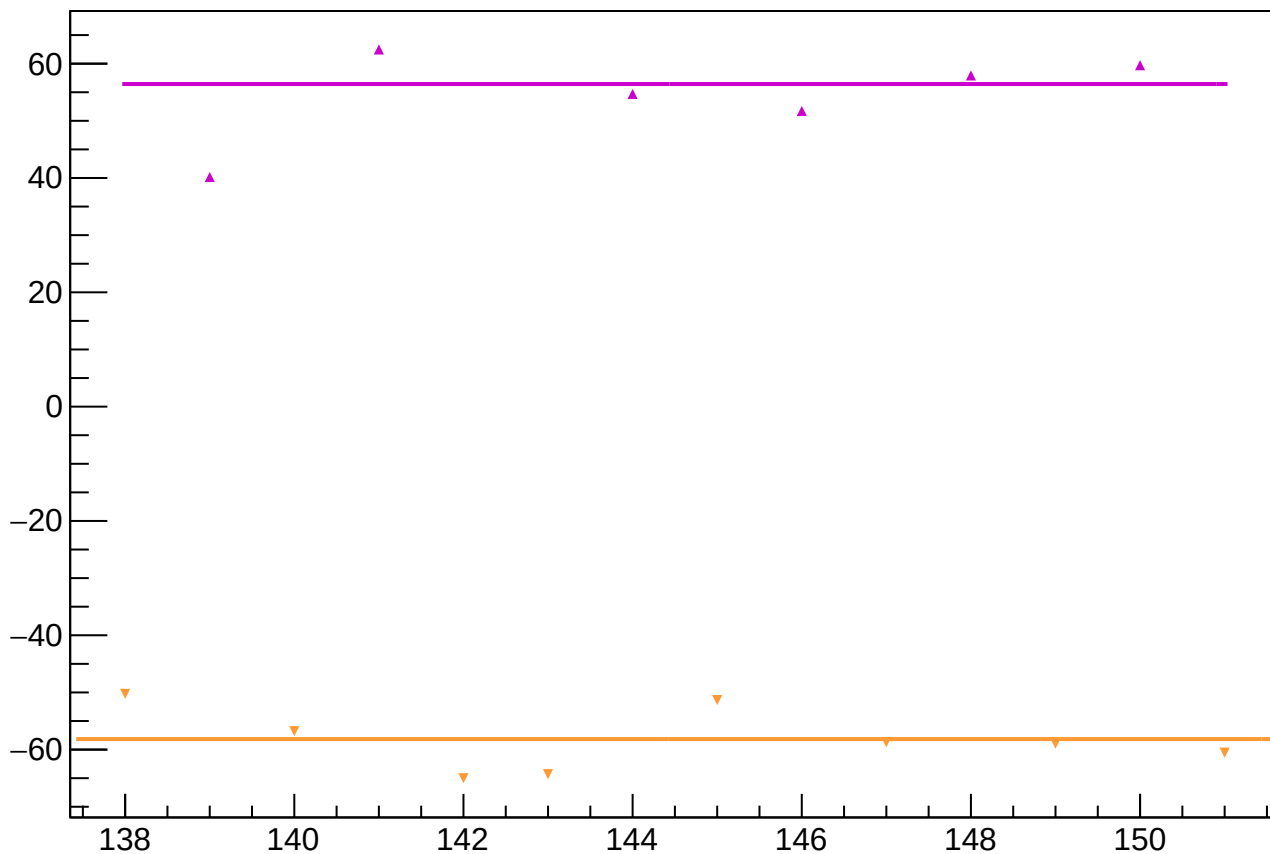
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 9.248+/-0.137 χ^2/NDF : 2081.2/7
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -11.907+/-0.148 χ^2/NDF : 548.9/5

9.248+/-0.137 χ^2/NDF : 2081.2/7
 -0.531+/-0.101 χ^2/NDF : 13621.5/13
 -11.907+/-0.148 χ^2/NDF : 548.9/5

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: -58.159+/-0.115 χ^2/NDF : 1405.9/7

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

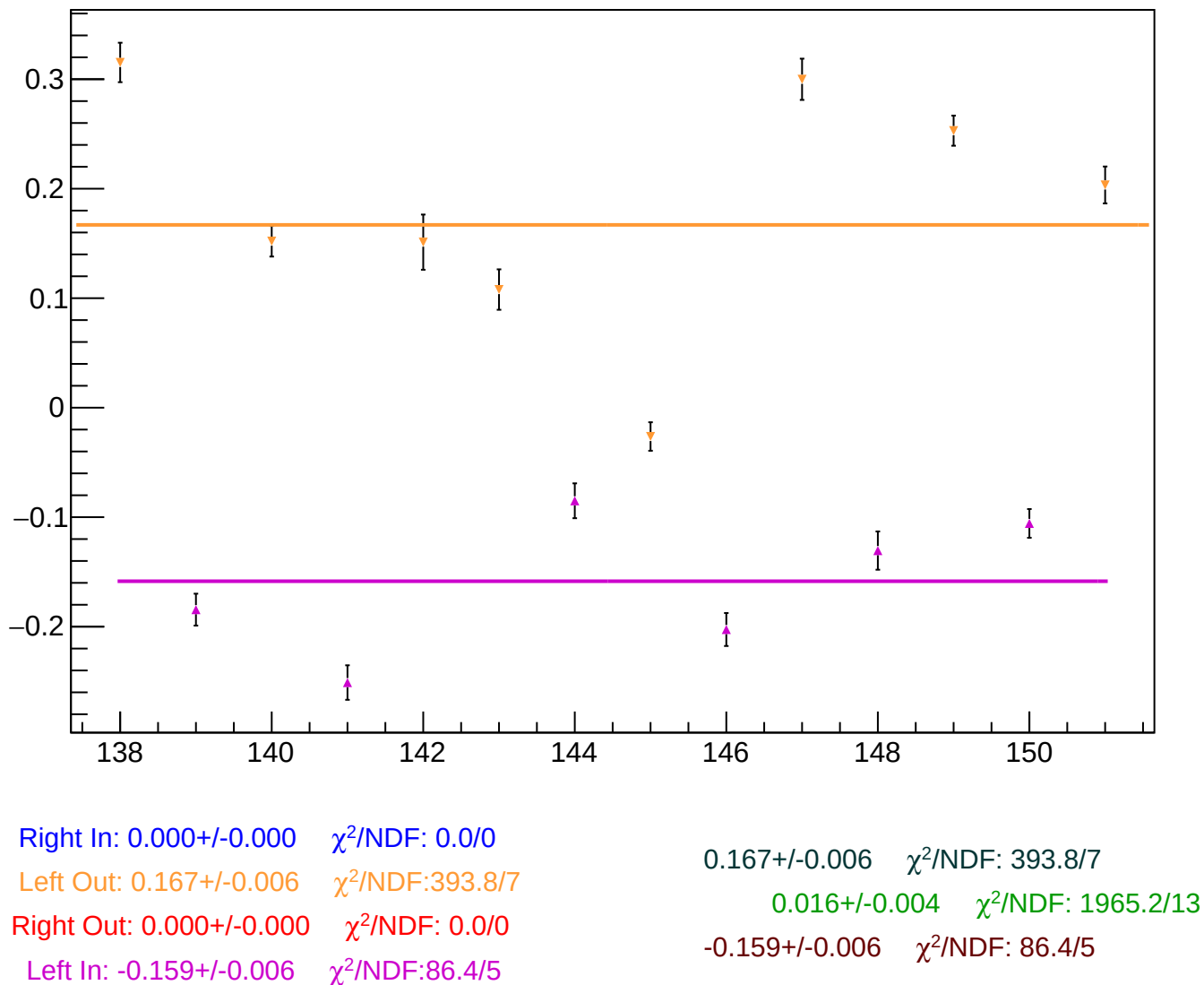
Left In: 56.437+/-0.125 χ^2/NDF : 1508.1/5

-58.159+/-0.115 χ^2/NDF : 1405.9/7

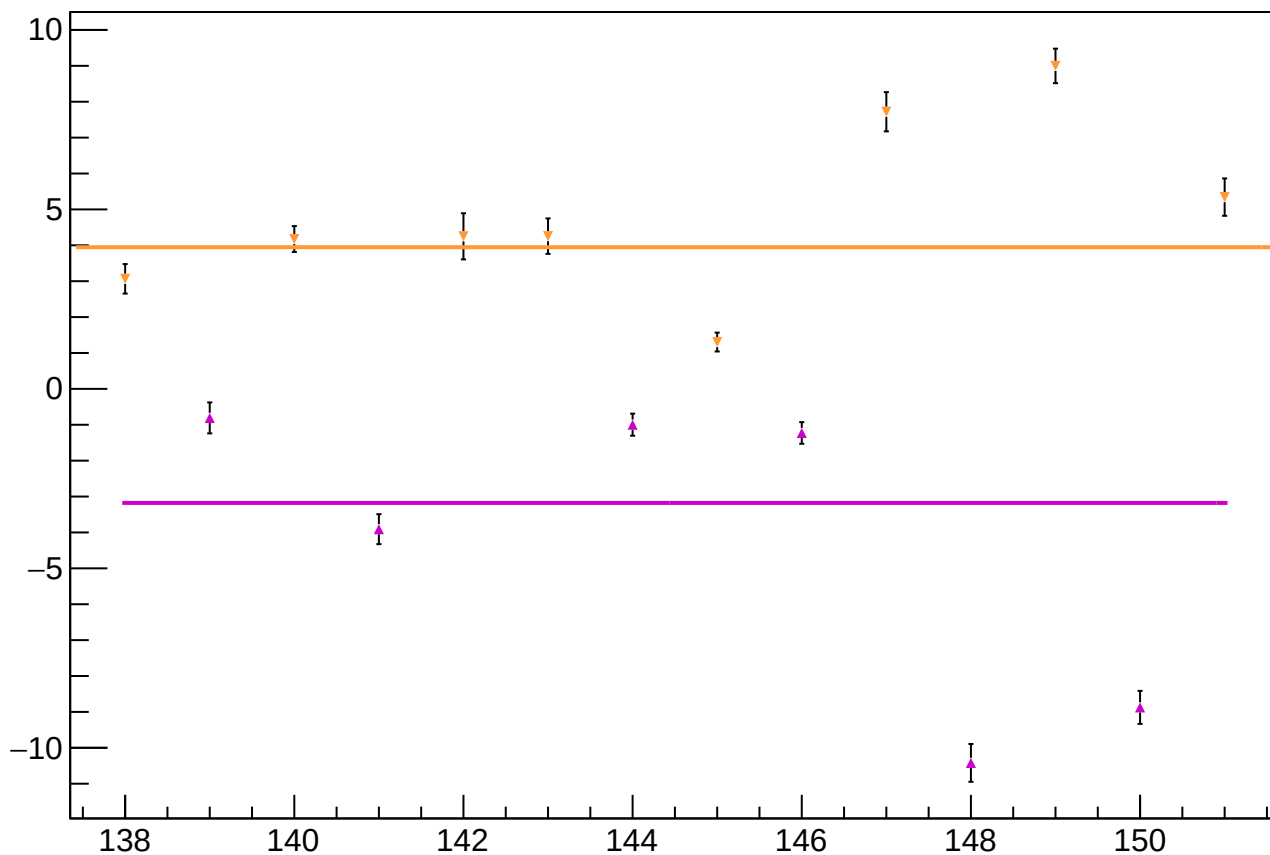
-5.887+/-0.085 χ^2/NDF : 459048.8/13

56.437+/-0.125 χ^2/NDF : 1508.1/5

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



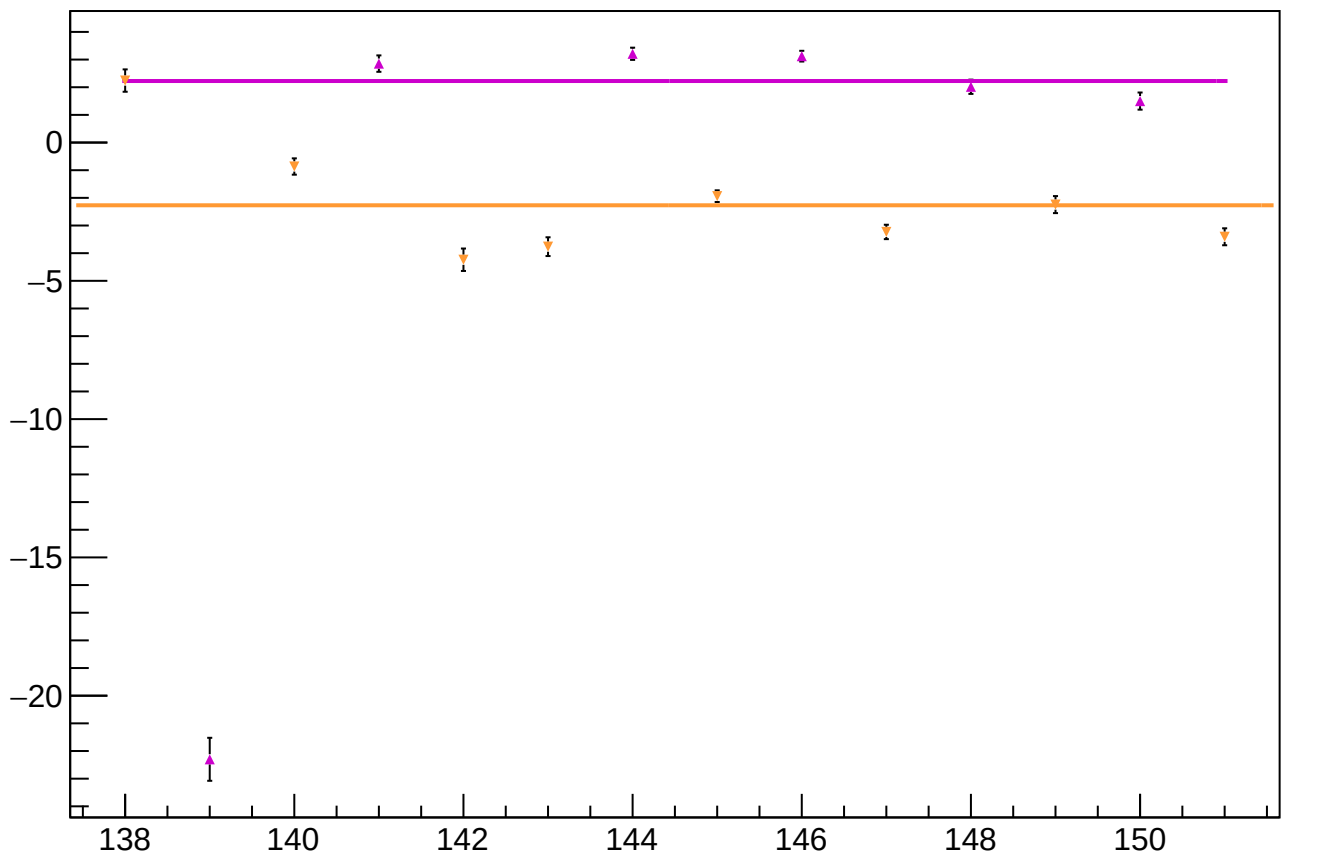
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 3.947+/-0.148 χ^2/NDF : 271.9/7
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.177+/-0.156 χ^2/NDF : 467.8/5

3.947+/-0.148 χ^2/NDF : 271.9/7
 0.586+/-0.107 χ^2/NDF : 1840.0/13
 -3.177+/-0.156 χ^2/NDF : 467.8/5

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: -2.268+/-0.105 χ^2/NDF : 220.0/7

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

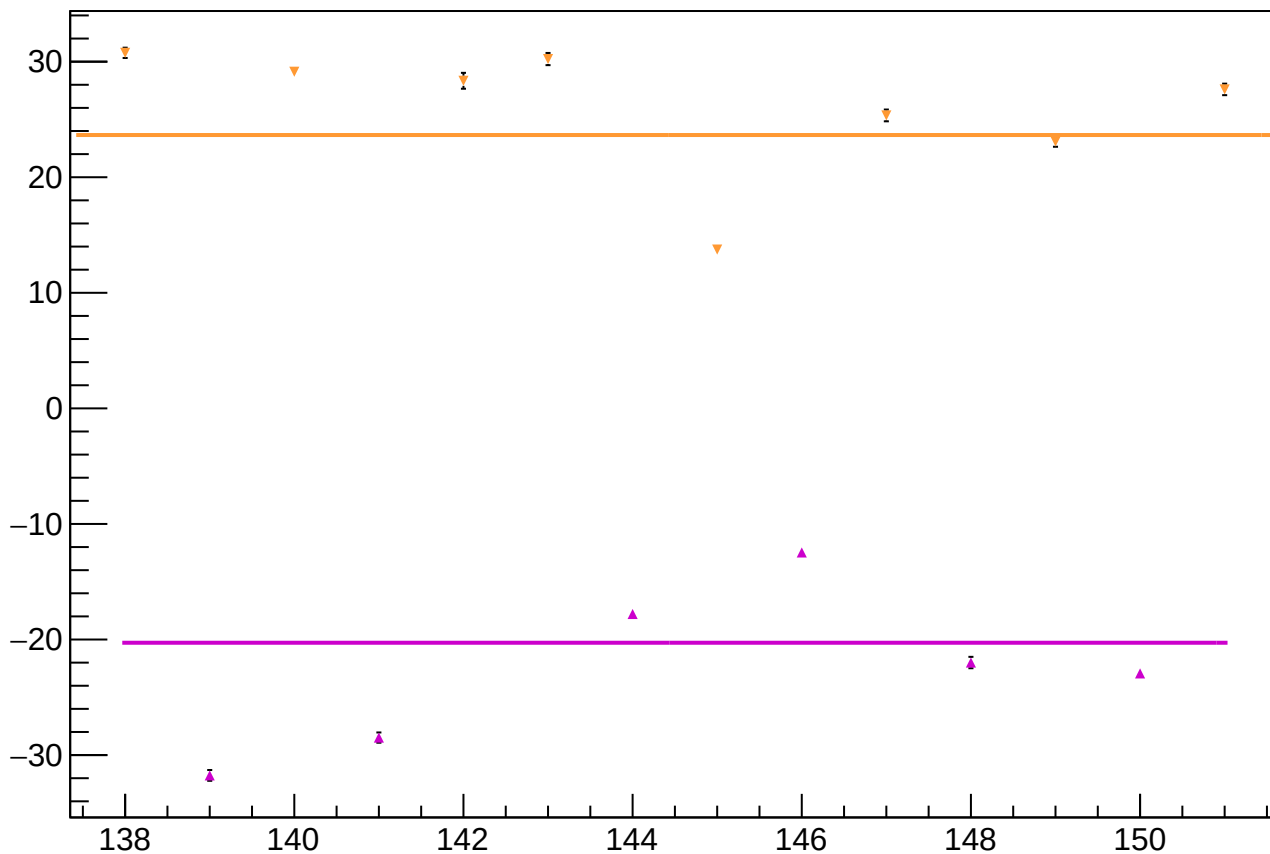
Left In: 2.225+/-0.108 χ^2/NDF : 1047.8/5

-2.268+/-0.105 χ^2/NDF : 220.0/7

-0.087+/-0.075 χ^2/NDF : 2157.0/13

2.225+/-0.108 χ^2/NDF : 1047.8/5

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: 23.652+/-0.152 χ^2/NDF :1984.9/7

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

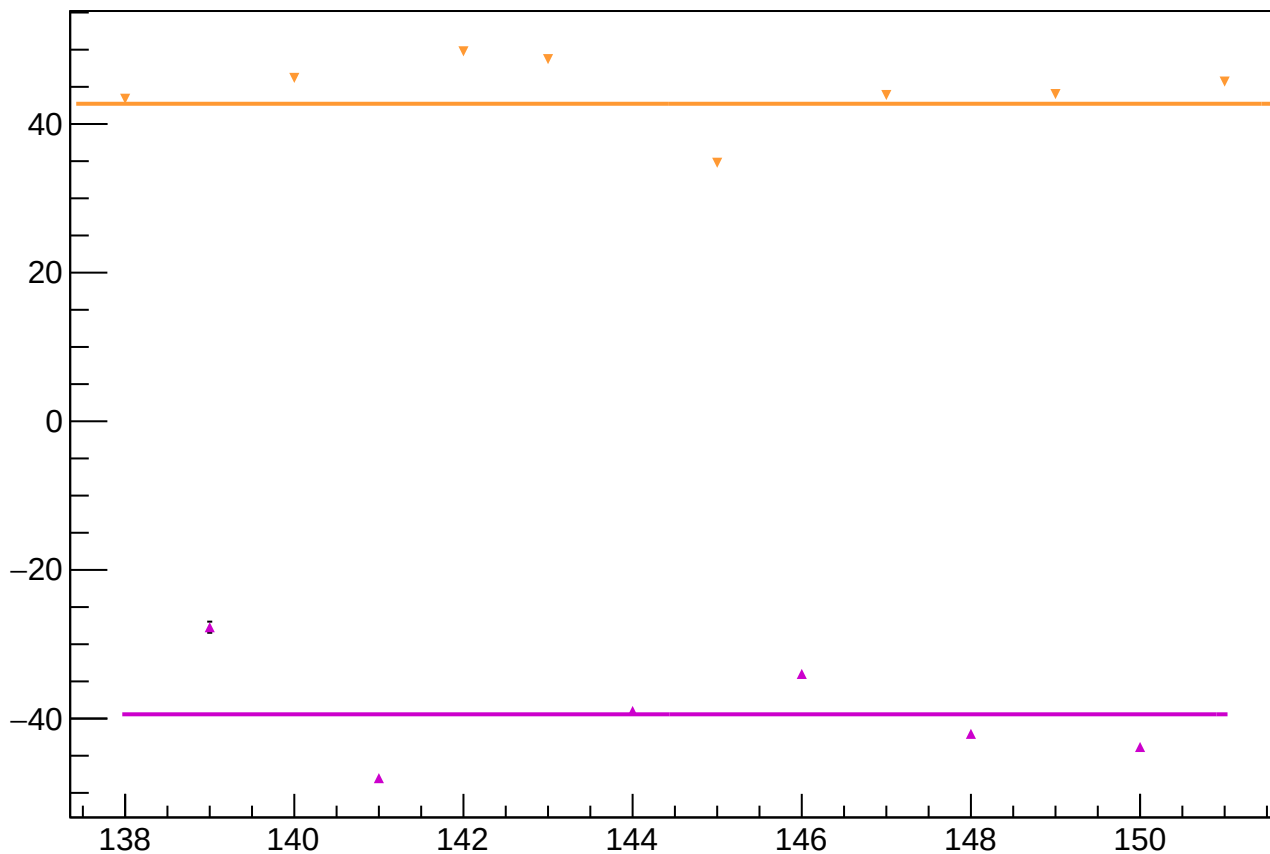
Left In: -20.279+/-0.158 χ^2/NDF :1779.3/5

23.652+/-0.152 χ^2/NDF : 1984.9/7

2.426+/-0.110 χ^2/NDF : 43924.6/13

-20.279+/-0.158 χ^2/NDF : 1779.3/5

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: 42.723 +/- 0.128 χ^2/NDF : 1658.4/7

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

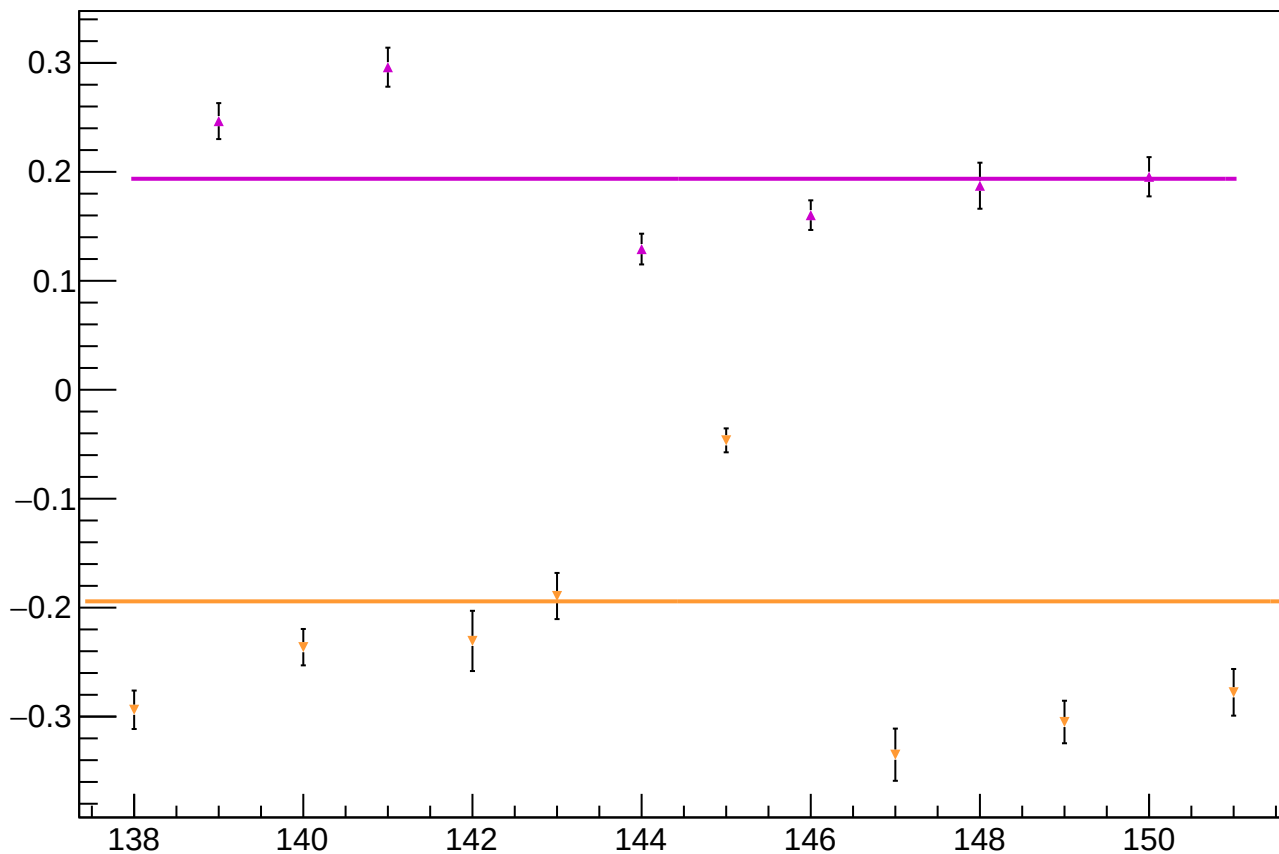
Left In: -39.428 +/- 0.132 χ^2/NDF : 1538.5/5

42.723 +/- 0.128 χ^2/NDF : 1658.4/7

2.986 +/- 0.092 χ^2/NDF : 201915.6/13

-39.428 +/- 0.132 χ^2/NDF : 1538.5/5

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: -0.194 $\pm$ 0.006 χ^2 /NDF: 302.8/7

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

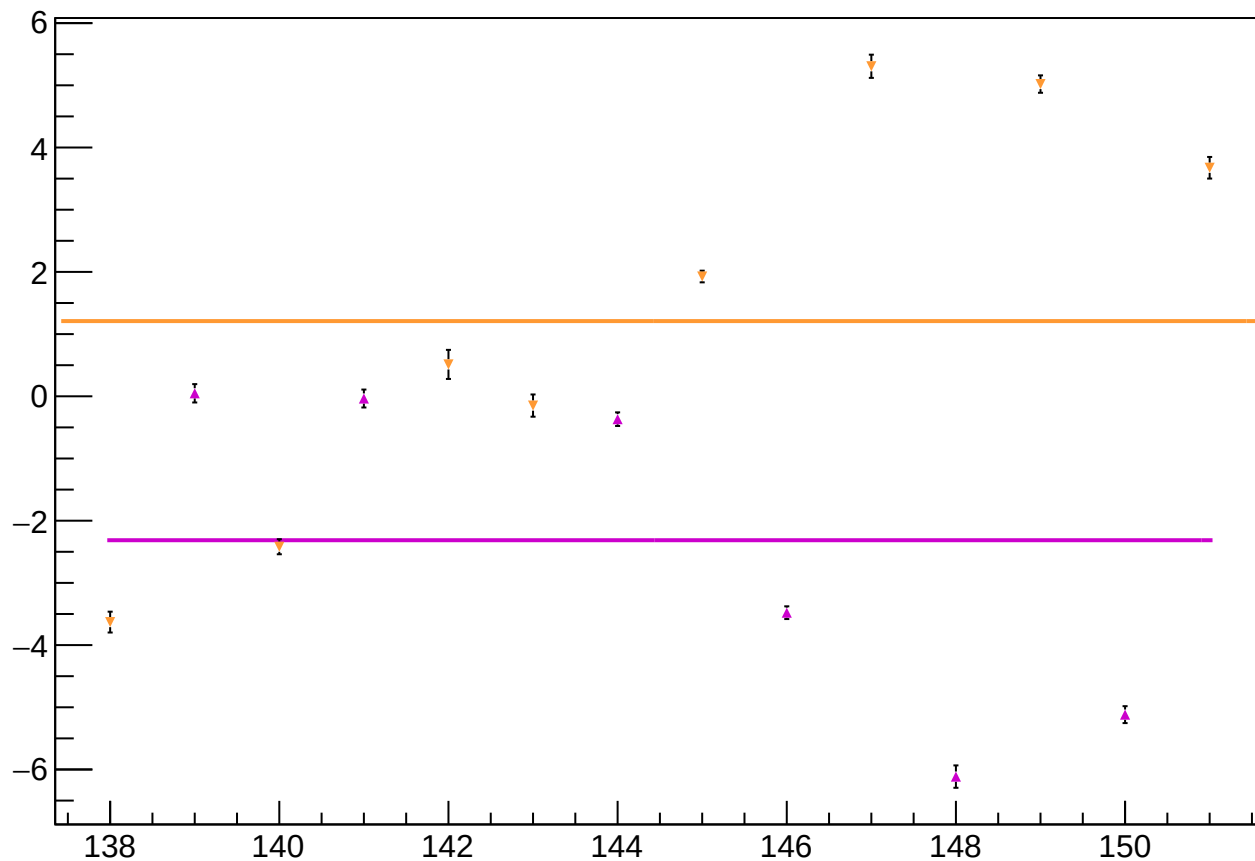
Left In: 0.194 $\pm$ 0.007 χ^2 /NDF: 70.0/5

-0.194 $\pm$ 0.006 χ^2 /NDF: 302.8/7

-0.011 $\pm$ 0.005 χ^2 /NDF: 2161.8/13

0.194 $\pm$ 0.007 χ^2 /NDF: 70.0/5

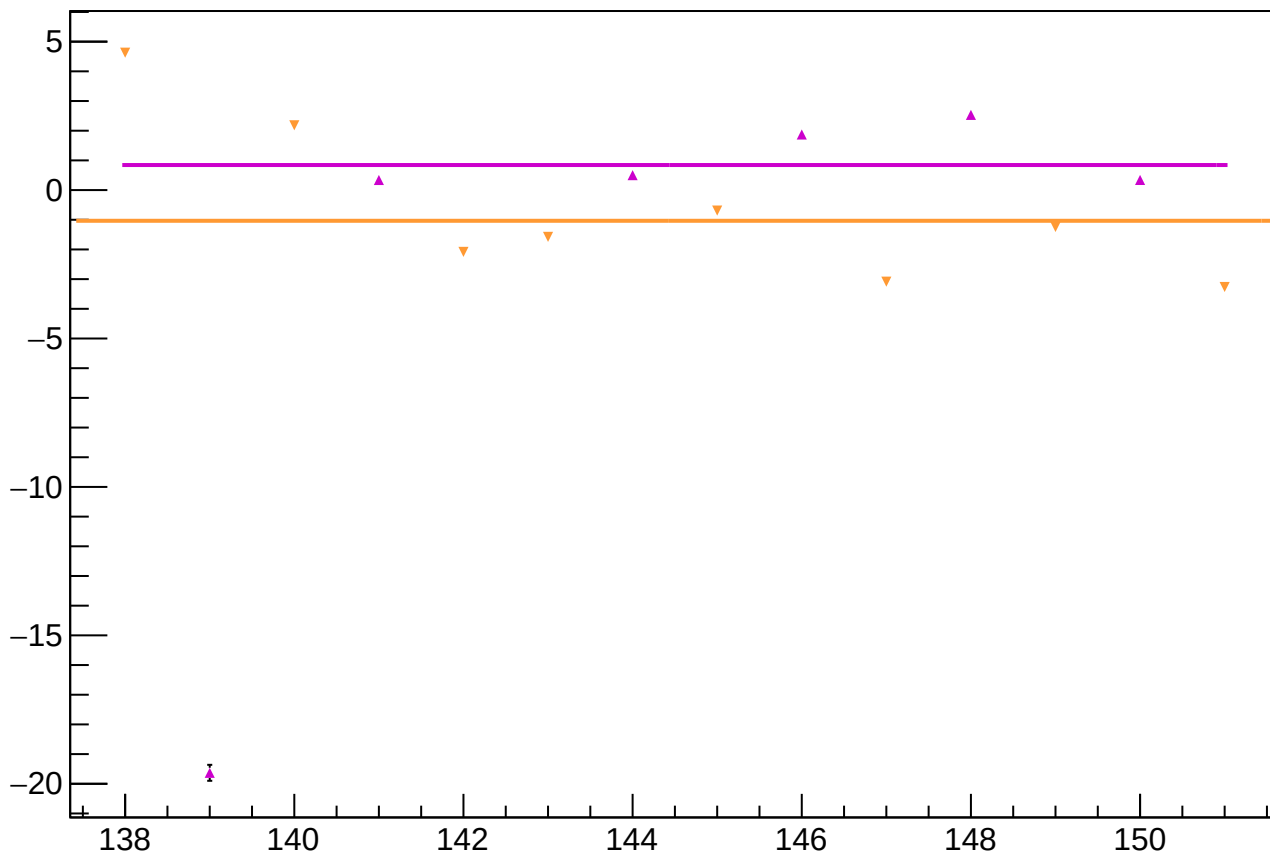
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 1.209 $\pm$ 0.051 χ^2 /NDF:3281.0/7
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -2.314 $\pm$ 0.053 χ^2 /NDF:1823.1/5

1.209 $\pm$ 0.051 χ^2 /NDF: 3281.0/7
 -0.501 $\pm$ 0.037 χ^2 /NDF: 7391.1/13
 -2.314 $\pm$ 0.053 χ^2 /NDF: 1823.1/5

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: -1.034+/-0.036 χ^2/NDF : 3244.0/7

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

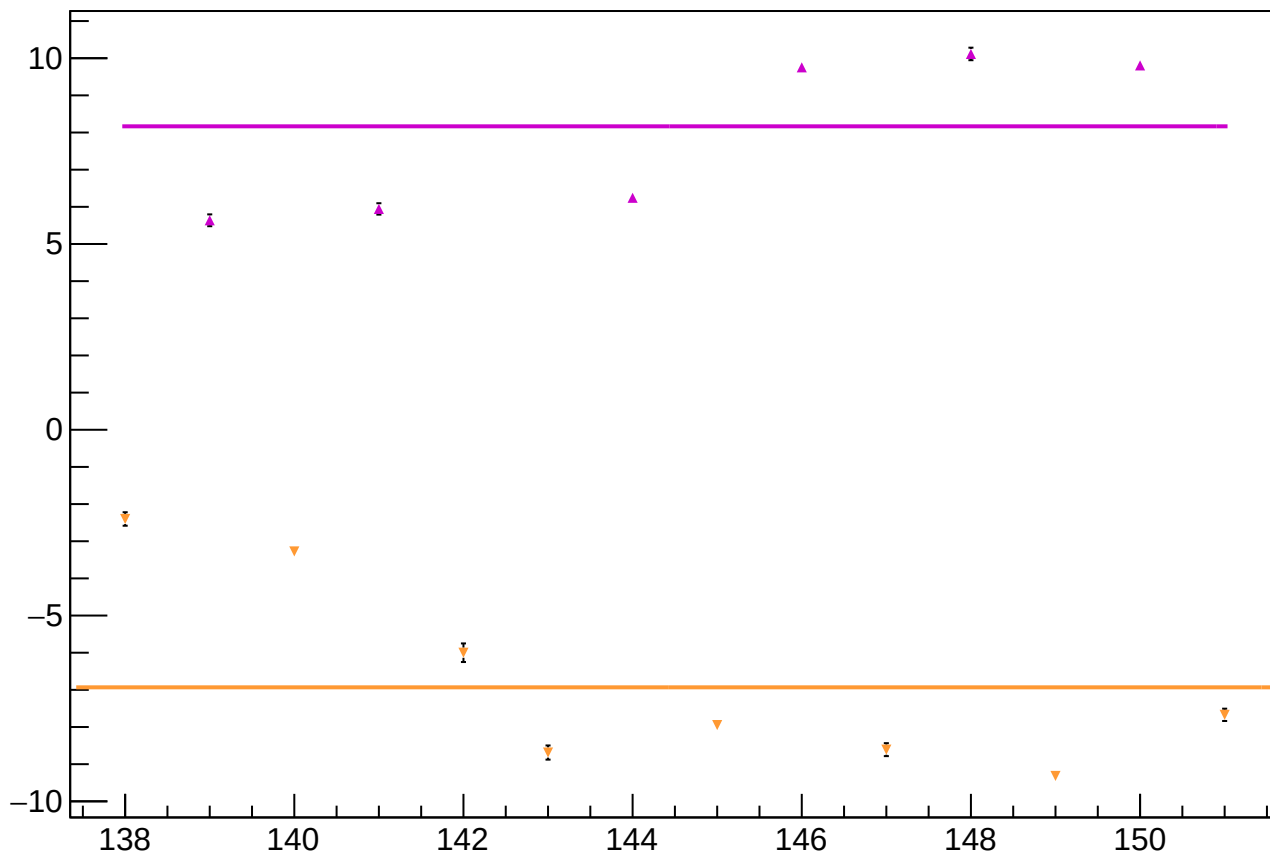
Left In: 0.844+/-0.037 χ^2/NDF : 6463.8/5

-1.034+/-0.036 χ^2/NDF : 3244.0/7

-0.107+/-0.026 χ^2/NDF : 11029.0/13

0.844+/-0.037 χ^2/NDF : 6463.8/5

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: -6.932+/-0.053 χ^2/NDF : 2072.5/7

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

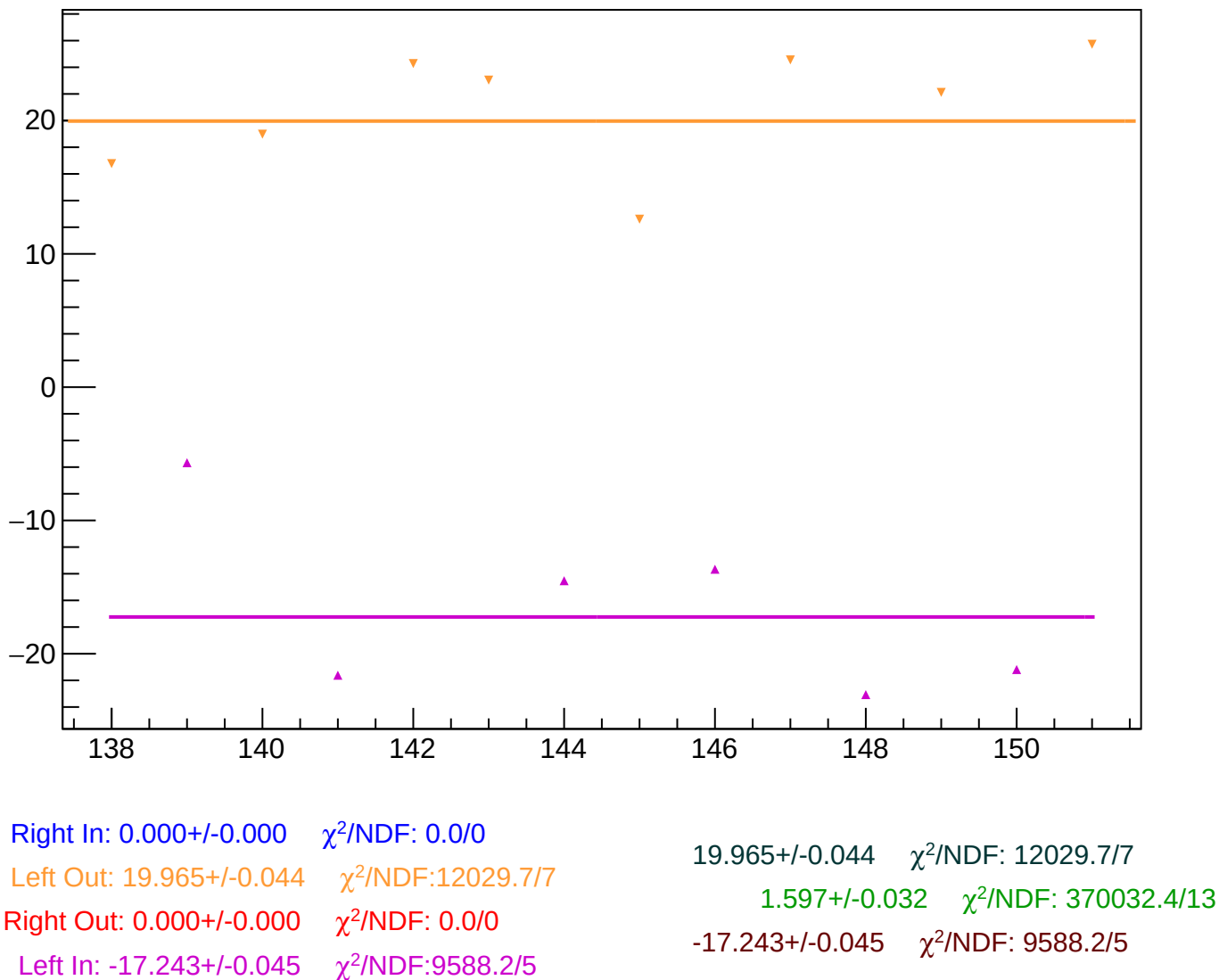
Left In: 8.167+/-0.053 χ^2/NDF : 1289.7/5

-6.932+/-0.053 χ^2/NDF : 2072.5/7

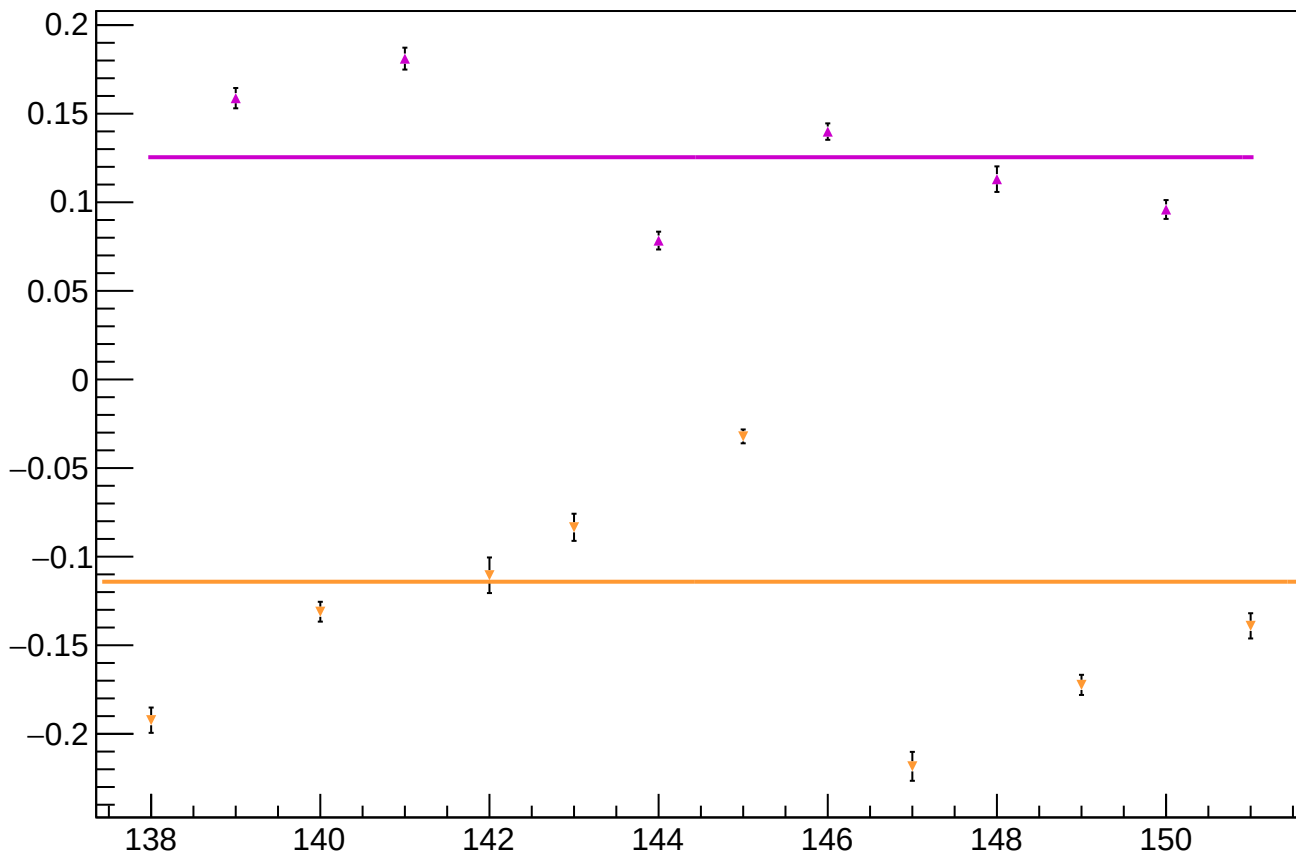
0.536+/-0.037 χ^2/NDF : 44209.6/13

8.167+/-0.053 χ^2/NDF : 1289.7/5

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: -0.114+/-0.002 χ^2/NDF : 865.8/7

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

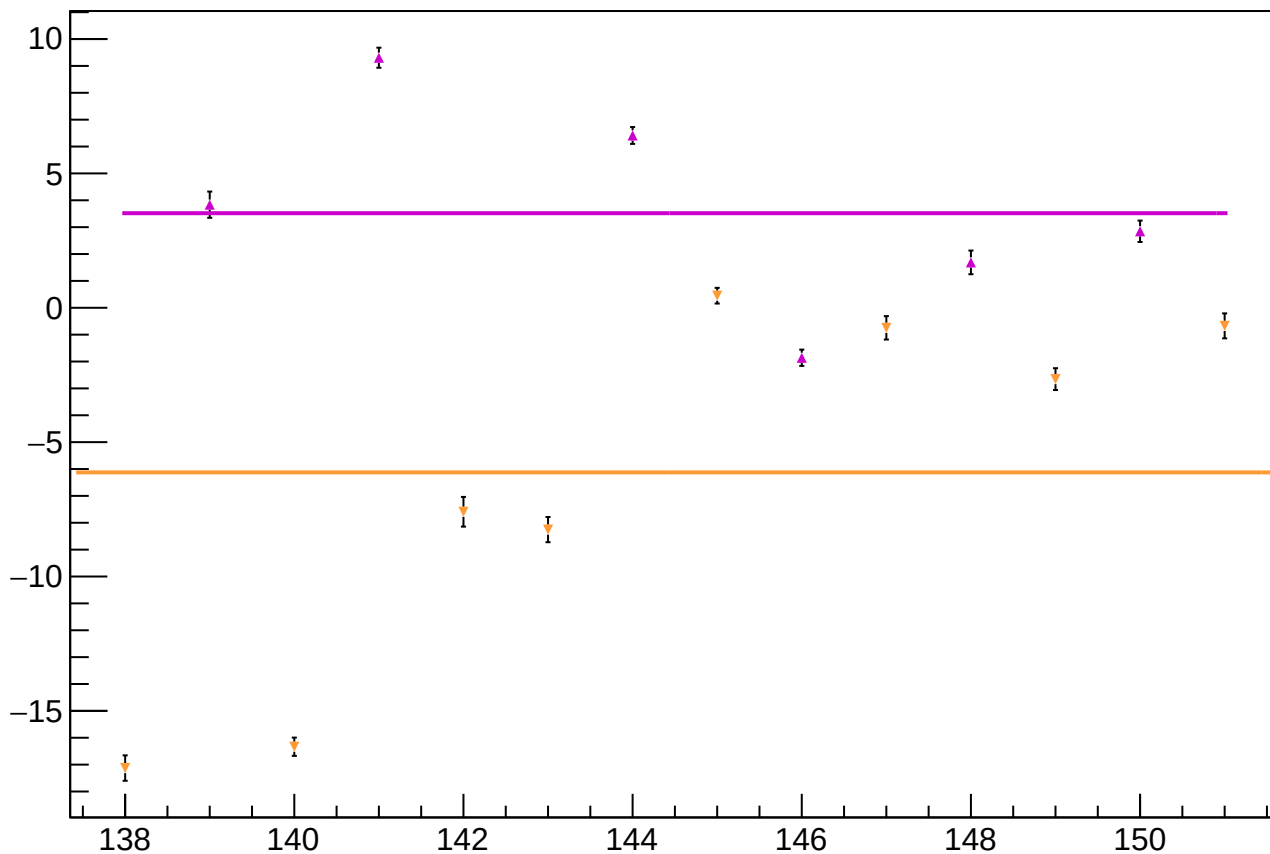
Left In: 0.125+/-0.002 χ^2/NDF : 245.9/5

-0.114+/-0.002 χ^2/NDF : 865.8/7

0.002+/-0.002 χ^2/NDF : 6946.4/13

0.125+/-0.002 χ^2/NDF : 245.9/5

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: -6.126+/-0.143 χ^2/NDF : 2339.6/7

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

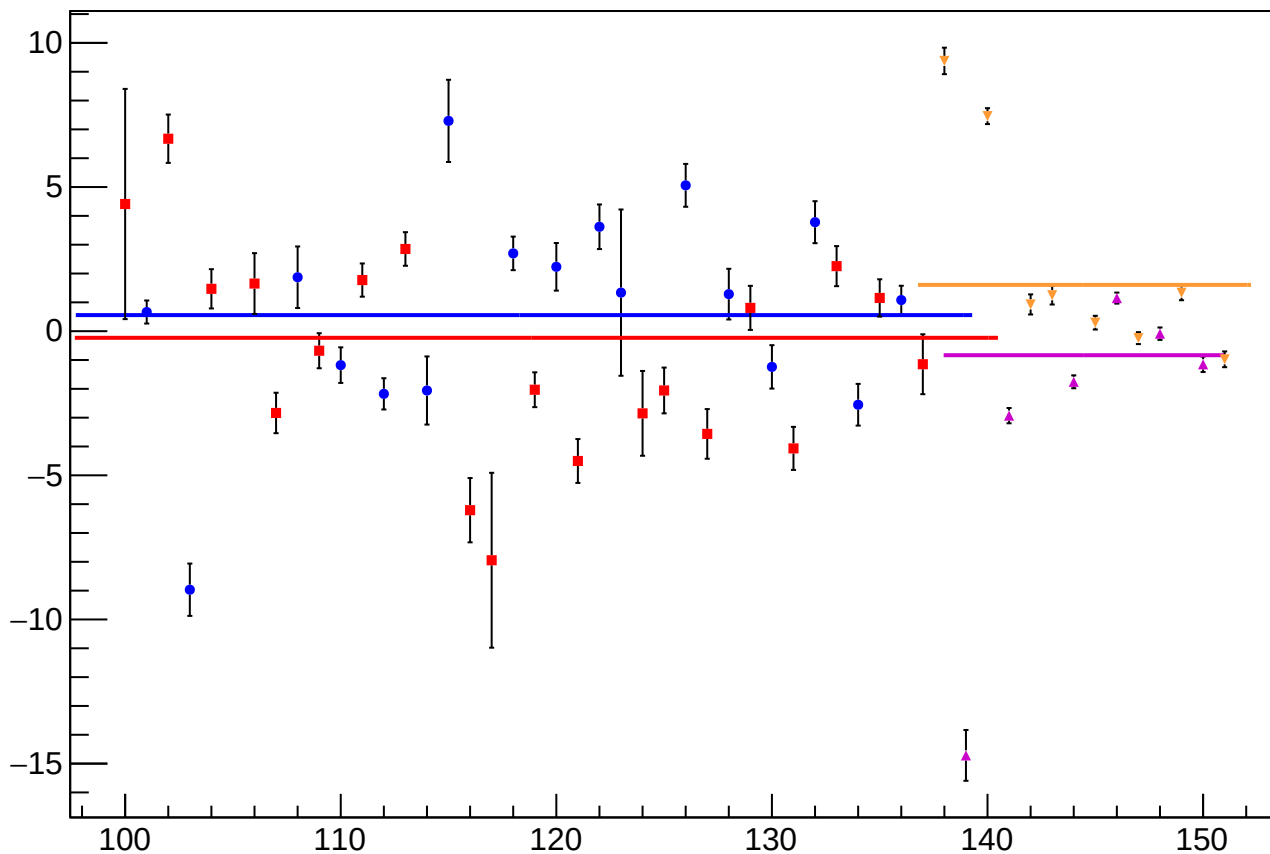
Left In: 3.520+/-0.151 χ^2/NDF : 659.5/5

-6.126+/-0.143 χ^2/NDF : 2339.6/7

-1.552+/-0.104 χ^2/NDF : 5144.5/13

3.520+/-0.151 χ^2/NDF : 659.5/5

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: 1.606 ± 0.098 χ^2/NDF : 939.6/7

Right Out: -0.230 ± 0.174 χ^2/NDF : 278.5/19

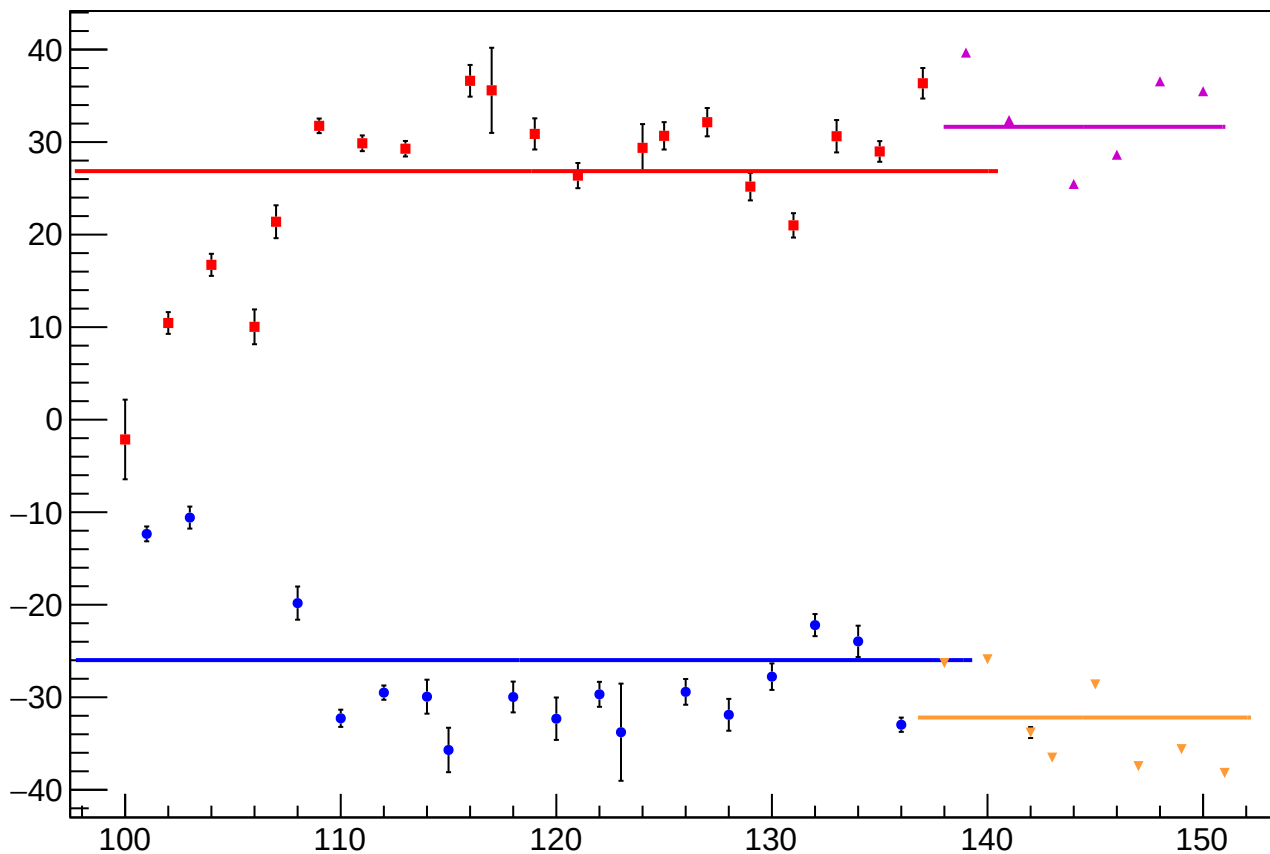
Left In: -0.834 ± 0.101 χ^2/NDF : 448.7/5

1.346 ± 0.085 χ^2/NDF : 1256.0/24

0.362 ± 0.061 χ^2/NDF : 2270.3/50

-0.682 ± 0.087 χ^2/NDF : 736.3/25

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: -32.190 ± 0.146 χ^2/NDF : 1079.8/7

Right Out: 26.861 ± 0.297 χ^2/NDF : 585.2/19

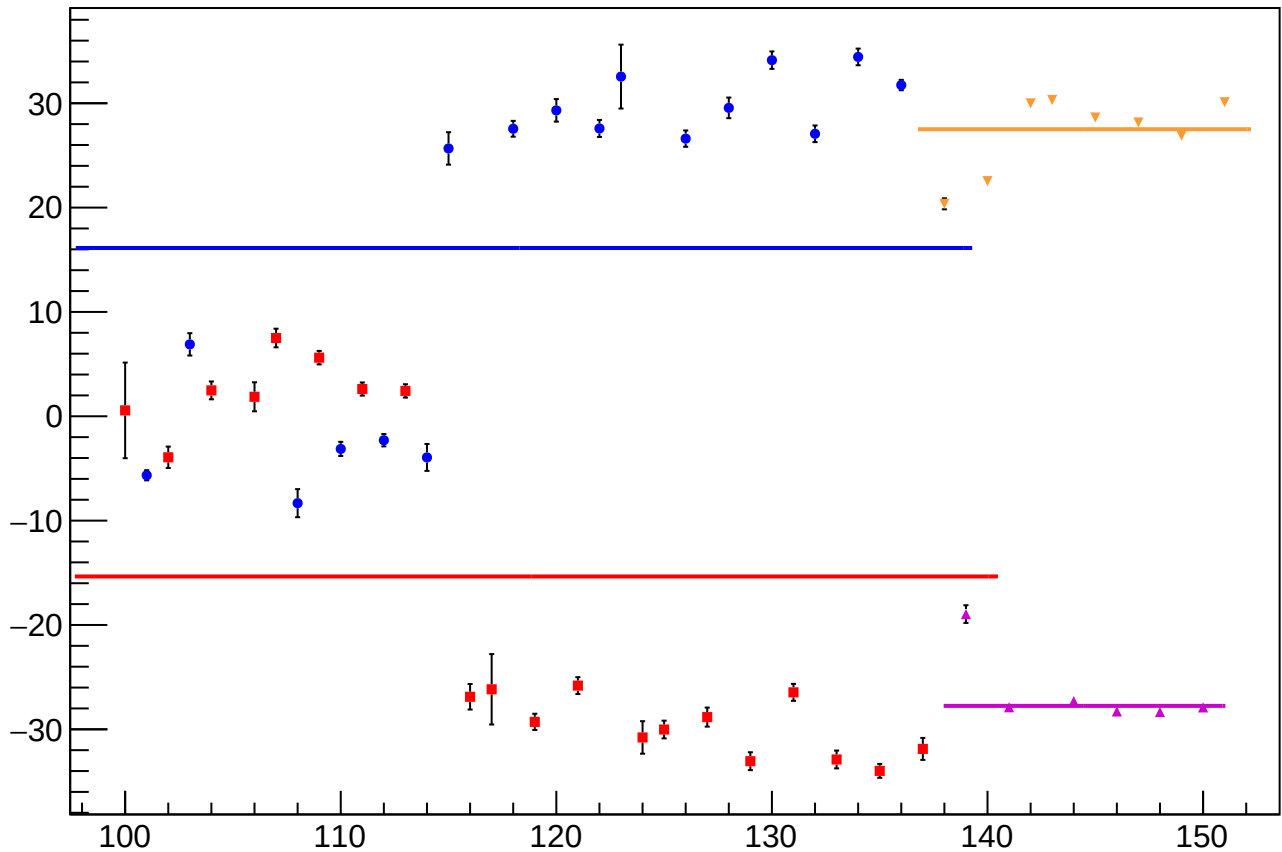
Left In: 31.649 ± 0.151 χ^2/NDF : 927.8/5

-31.001 ± 0.131 χ^2/NDF : 2116.3/24

-0.963 ± 0.094 χ^2/NDF : 110987.2/50

30.661 ± 0.135 χ^2/NDF : 1719.2/25

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 16.129+/-0.192 χ^2/NDF : 7572.5/16

Left Out: 27.510+/-0.121 χ^2/NDF : 570.2/7

Right Out: -15.352+/-0.197 χ^2/NDF : 7288.4/19

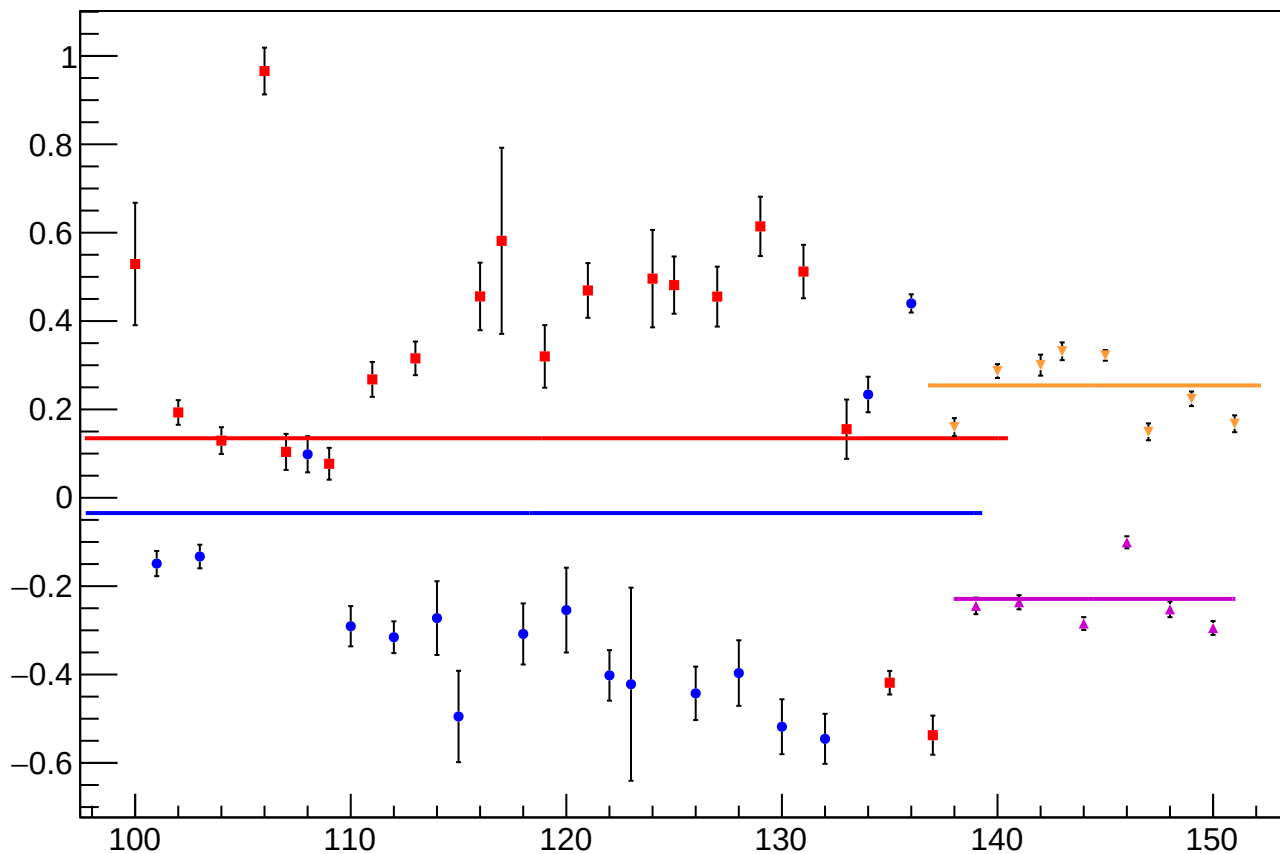
Left In: -27.755+/-0.125 χ^2/NDF : 119.7/5

24.283+/-0.102 χ^2/NDF : 10658.8/24

0.754+/-0.073 χ^2/NDF : 129980.1/50

-24.199+/-0.105 χ^2/NDF : 10244.7/25

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.035 ± 0.010 χ^2/NDF : 1011.6/16

Left Out: 0.254 ± 0.006 χ^2/NDF : 129.9/7

Right Out: 0.135 ± 0.010 χ^2/NDF : 1166.4/19

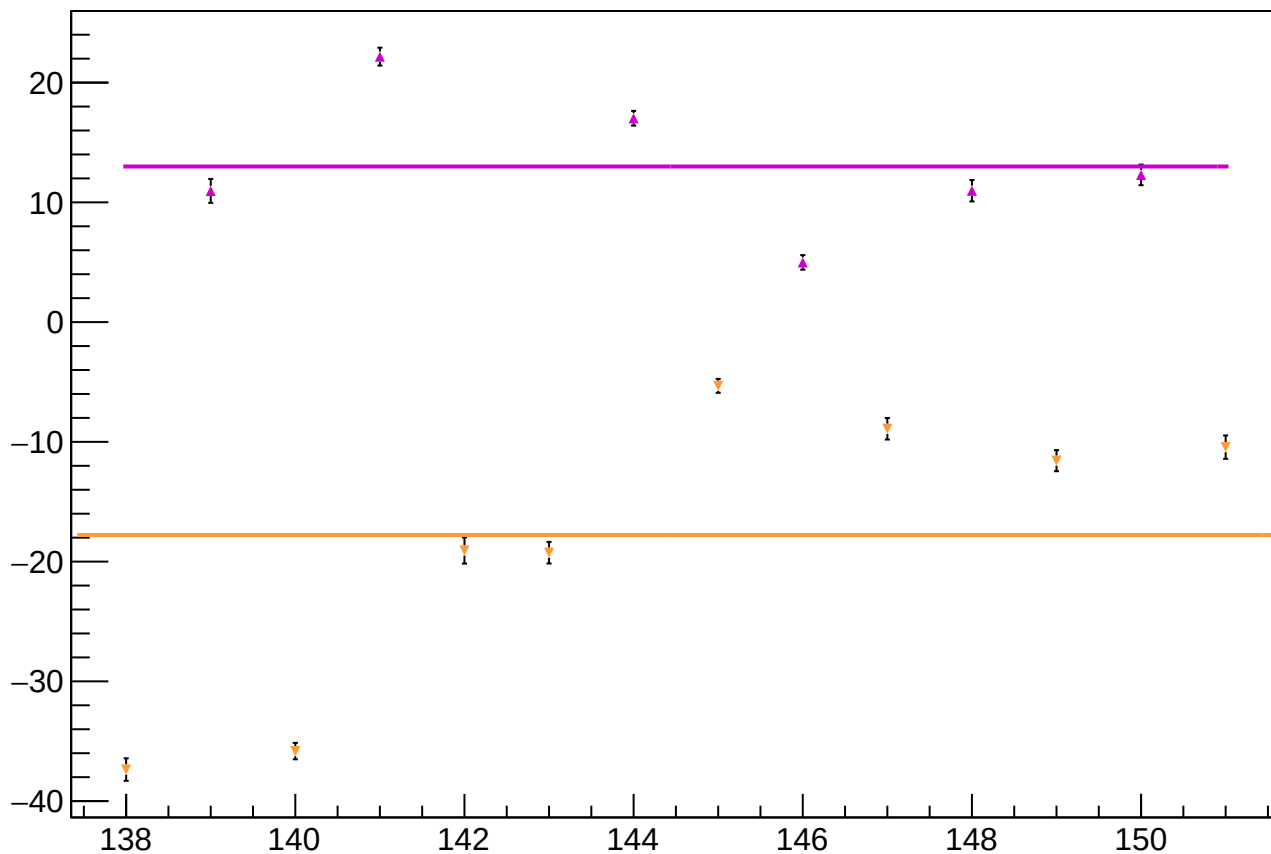
Left In: -0.229 ± 0.006 χ^2/NDF : 123.2/5

0.179 ± 0.005 χ^2/NDF : 1720.0/24

0.031 ± 0.004 χ^2/NDF : 5530.4/50

-0.128 ± 0.005 χ^2/NDF : 2178.0/25

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: -17.778+/-0.290 χ^2/NDF : 1796.0/7

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

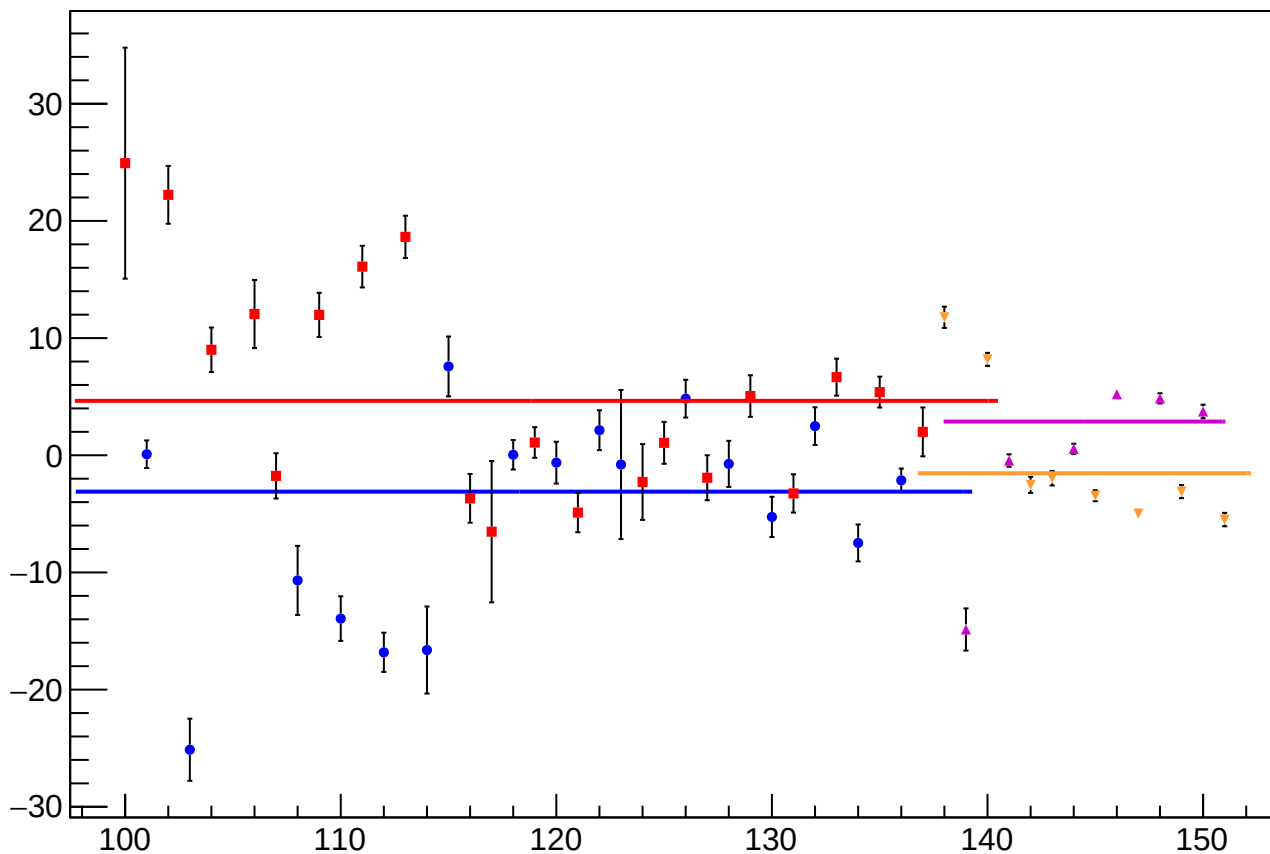
Left In: 12.997+/-0.305 χ^2/NDF : 375.3/5

-17.778+/-0.290 χ^2/NDF : 1796.0/7

-3.175+/-0.210 χ^2/NDF : 7506.5/13

12.997+/-0.305 χ^2/NDF : 375.3/5

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: -1.534 ± 0.199 χ^2/NDF : 661.4/7

Right Out: 4.645 ± 0.425 χ^2/NDF : 301.1/19

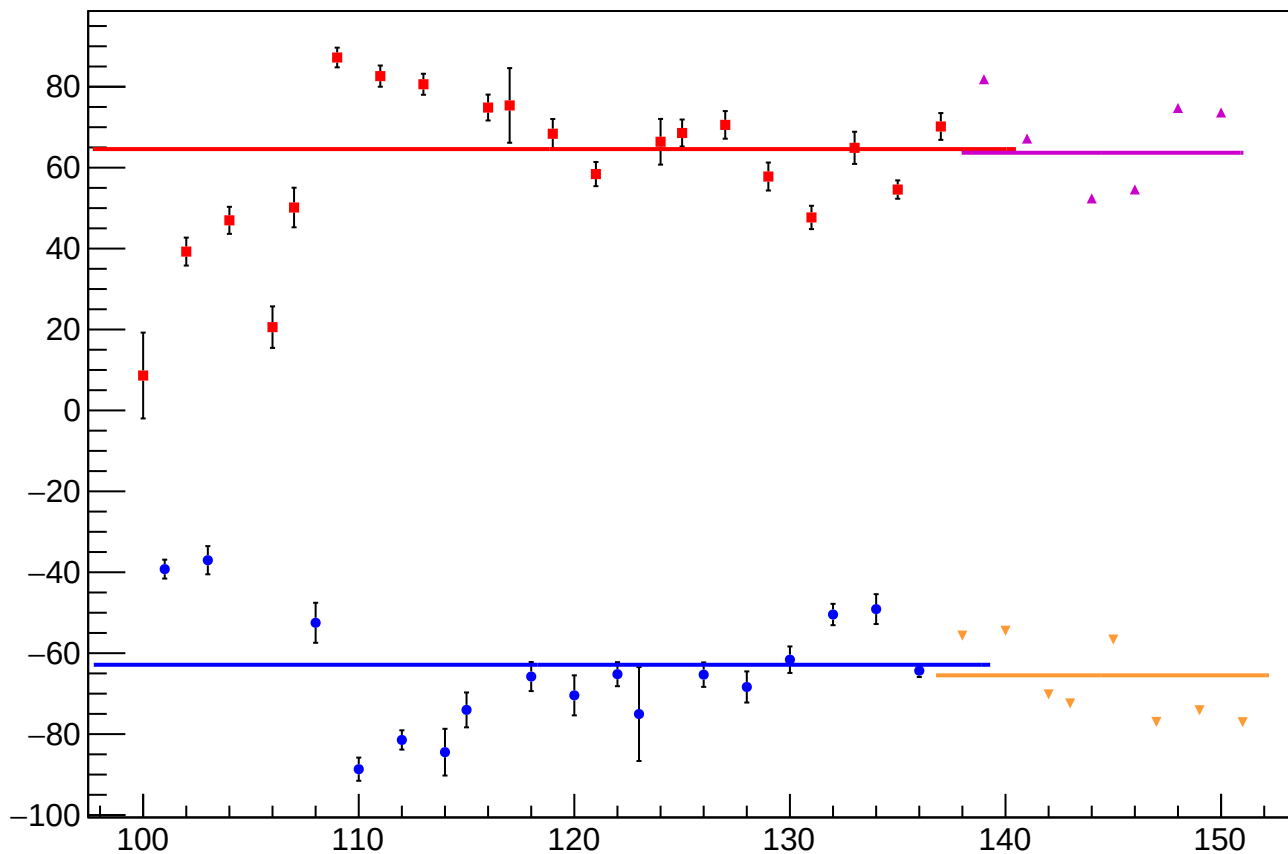
Left In: 2.876 ± 0.203 χ^2/NDF : 225.9/5

-1.831 ± 0.179 χ^2/NDF : 952.4/24

0.628 ± 0.128 χ^2/NDF : 1880.7/50

3.203 ± 0.183 χ^2/NDF : 541.0/25

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: -65.471 ± 0.297 χ^2/NDF : 1047.5/7

Right Out: 64.588 ± 0.749 χ^2/NDF : 445.6/19

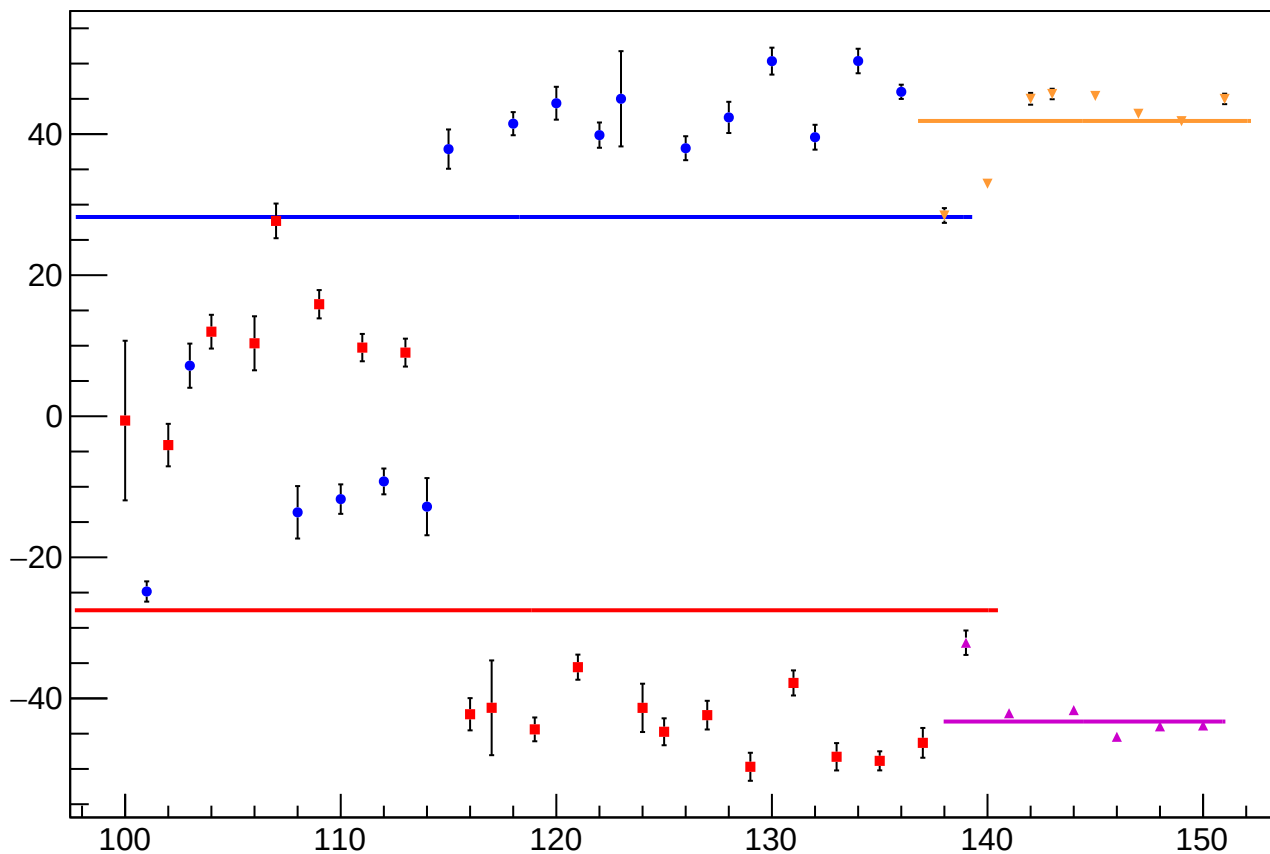
Left In: 63.683 ± 0.307 χ^2/NDF : 1162.8/5

-65.109 ± 0.276 χ^2/NDF : 1426.9/24

-2.550 ± 0.198 χ^2/NDF : 109114.4/50

63.813 ± 0.284 χ^2/NDF : 1609.6/25

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: 41.866+/-0.245 χ^2/NDF : 442.8/7

Right Out: -27.505+/-0.478 χ^2/NDF : 3036.7/19

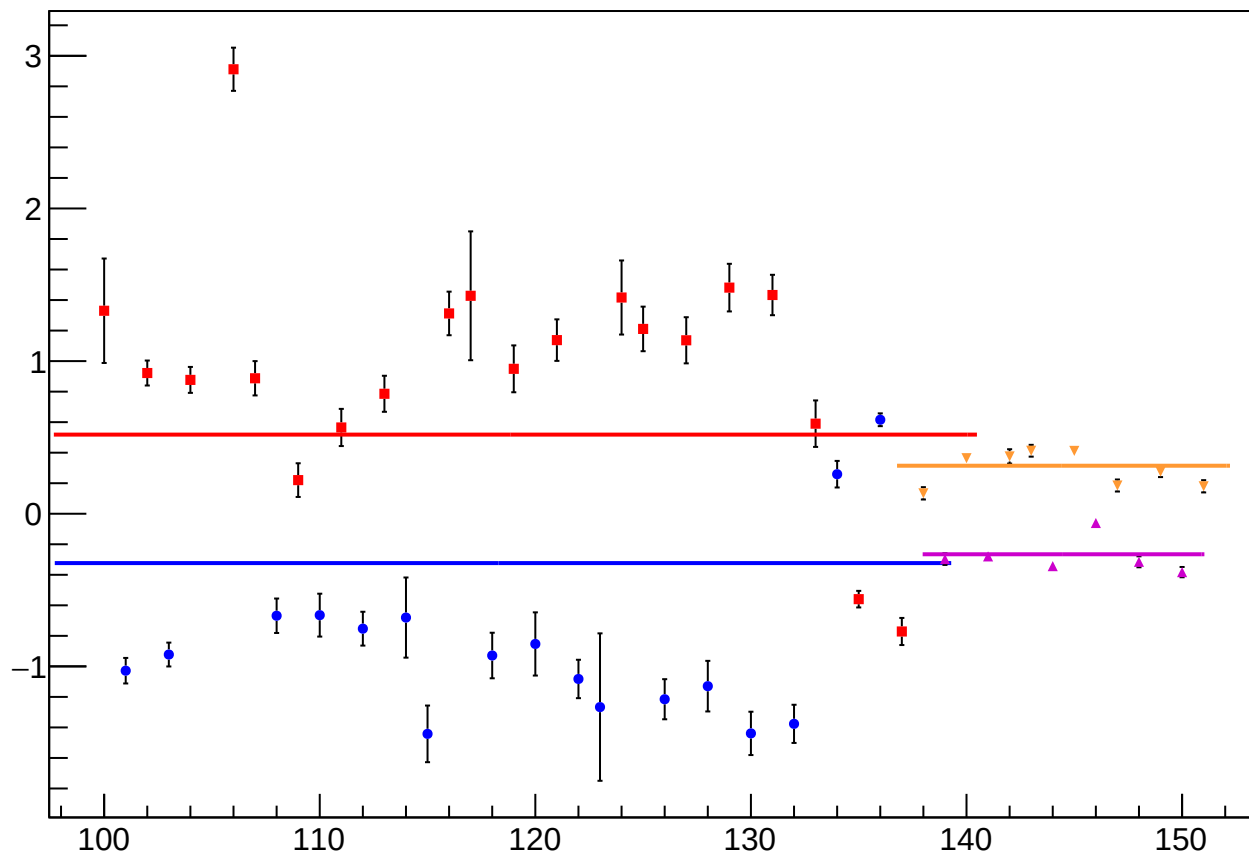
Left In: -43.281+/-0.251 χ^2/NDF : 77.3/5

38.853+/-0.216 χ^2/NDF : 4444.2/24

0.588+/-0.155 χ^2/NDF : 72701.2/50

-39.856+/-0.223 χ^2/NDF : 3968.2/25

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.323 ± 0.025 χ^2/NDF : 1010.8/16

Left Out: 0.315 ± 0.012 χ^2/NDF : 69.9/7

Right Out: 0.518 ± 0.026 χ^2/NDF : 1165.5/19

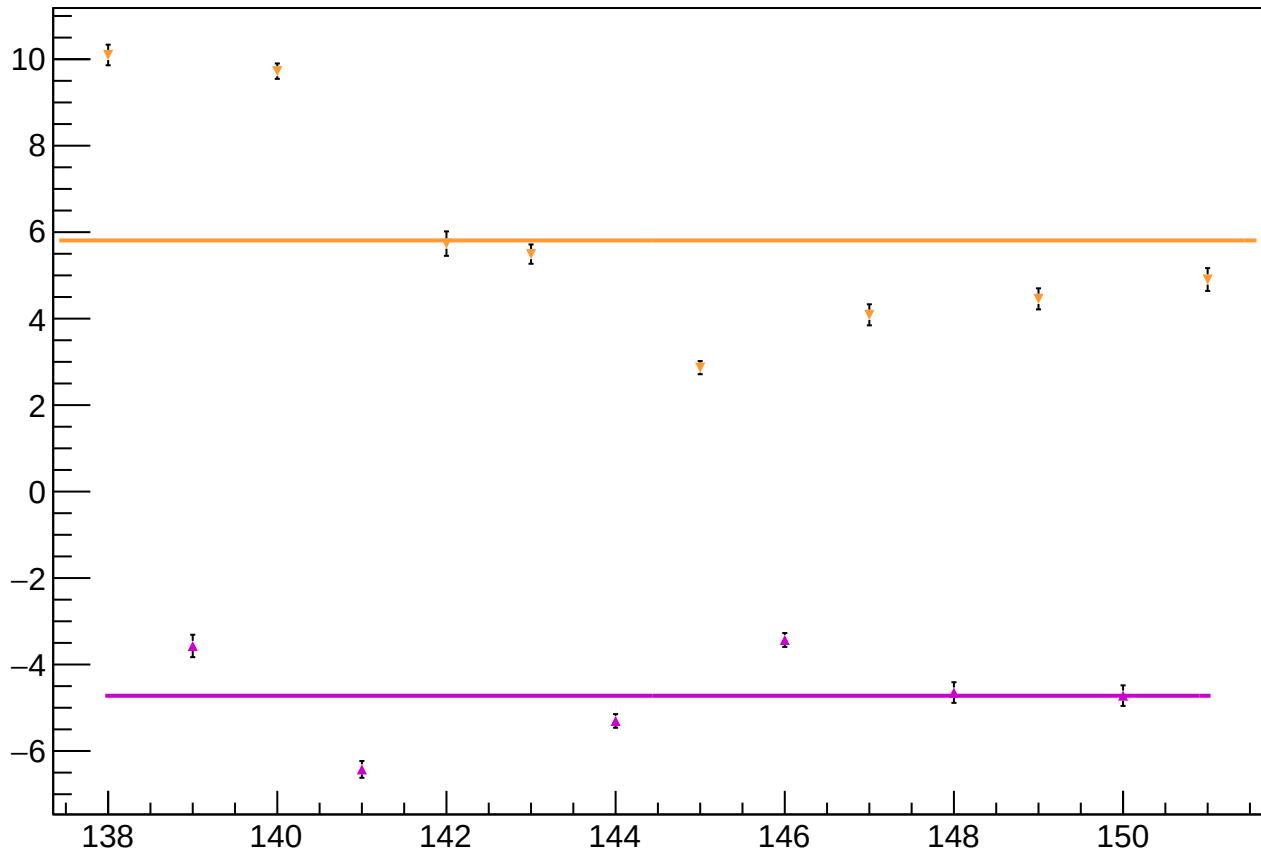
Left In: -0.266 ± 0.013 χ^2/NDF : 78.1/5

0.188 ± 0.011 χ^2/NDF : 1604.2/24

0.048 ± 0.008 χ^2/NDF : 3917.3/50

-0.105 ± 0.012 χ^2/NDF : 1982.7/25

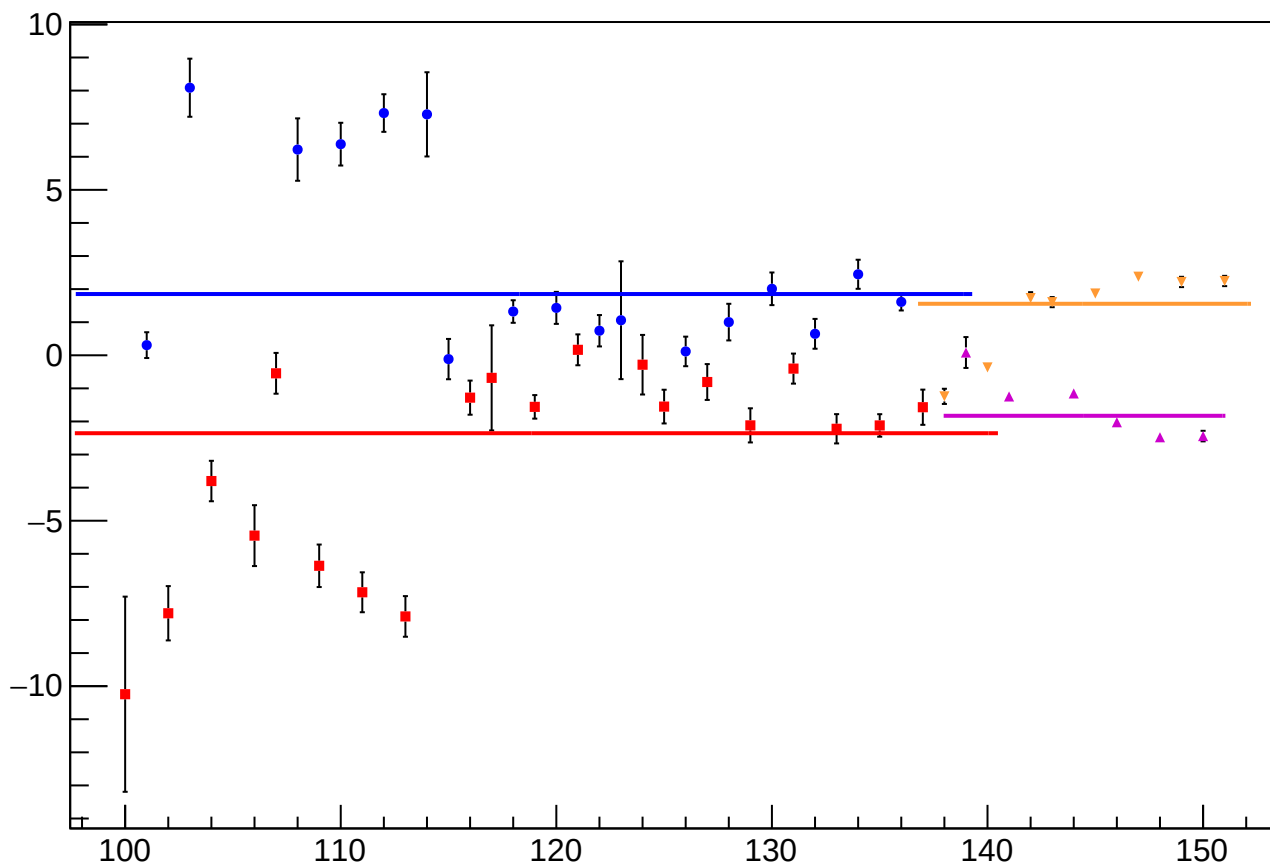
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.808 $\pm$ 0.076 χ^2 /NDF:1276.1/7
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -4.722 $\pm$ 0.080 χ^2 /NDF:174.2/5

5.808 $\pm$ 0.076 χ^2 /NDF: 1276.1/7
 0.832 $\pm$ 0.055 χ^2 /NDF: 10509.2/13
 -4.722 $\pm$ 0.080 χ^2 /NDF: 174.2/5

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.851 $\pm$ 0.117 χ^2/NDF : 294.2/16

Left Out: 1.557 $\pm$ 0.052 χ^2/NDF : 421.8/7

Right Out: -2.355 $\pm$ 0.122 χ^2/NDF : 337.4/19

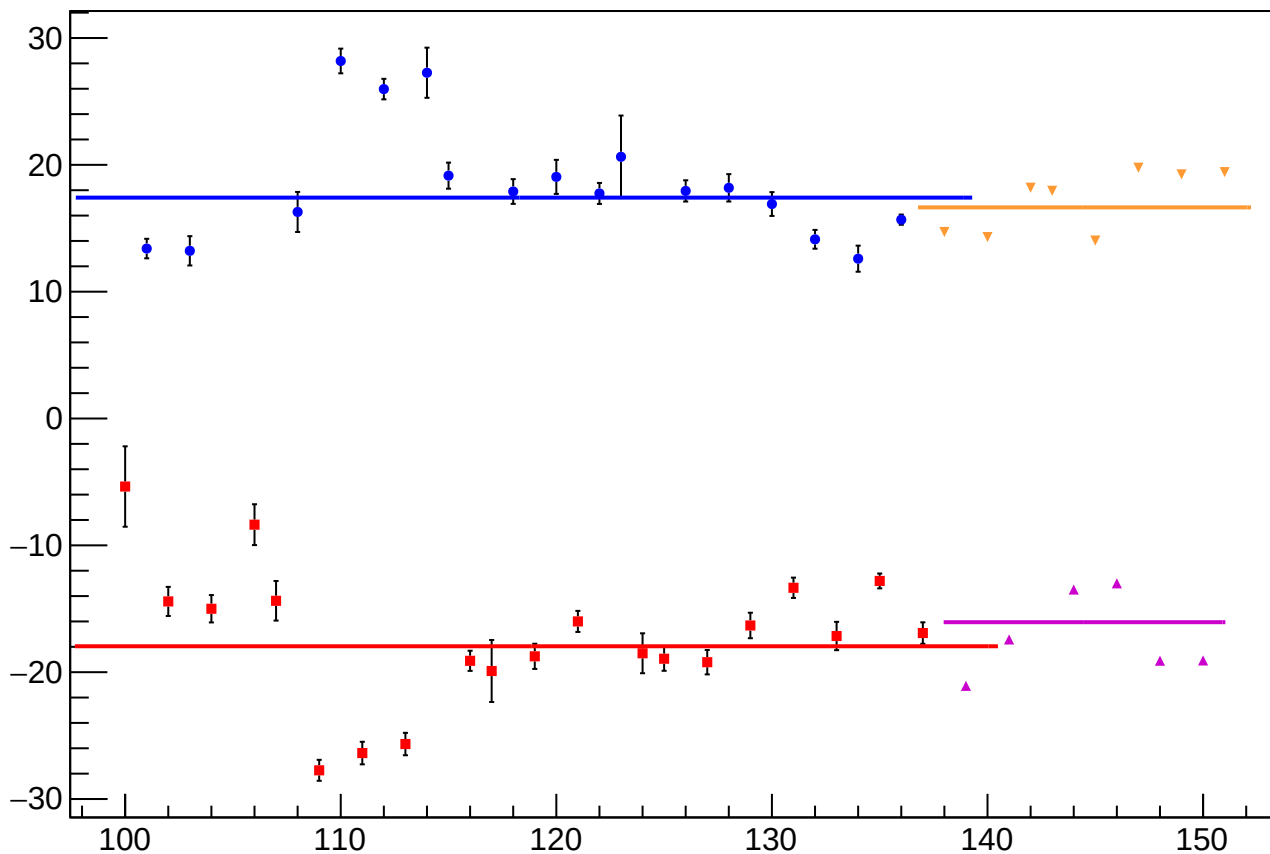
Left In: -1.829 $\pm$ 0.053 χ^2/NDF : 120.4/5

1.606 $\pm$ 0.048 χ^2/NDF : 721.2/24

-0.117 $\pm$ 0.034 χ^2/NDF : 3849.9/50

-1.912 $\pm$ 0.049 χ^2/NDF : 473.4/25

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.417 ± 0.213 χ^2/NDF : 367.0/16

Left Out: 16.645 ± 0.078 χ^2/NDF : 966.9/7

Right Out: -17.957 ± 0.218 χ^2/NDF : 506.2/19

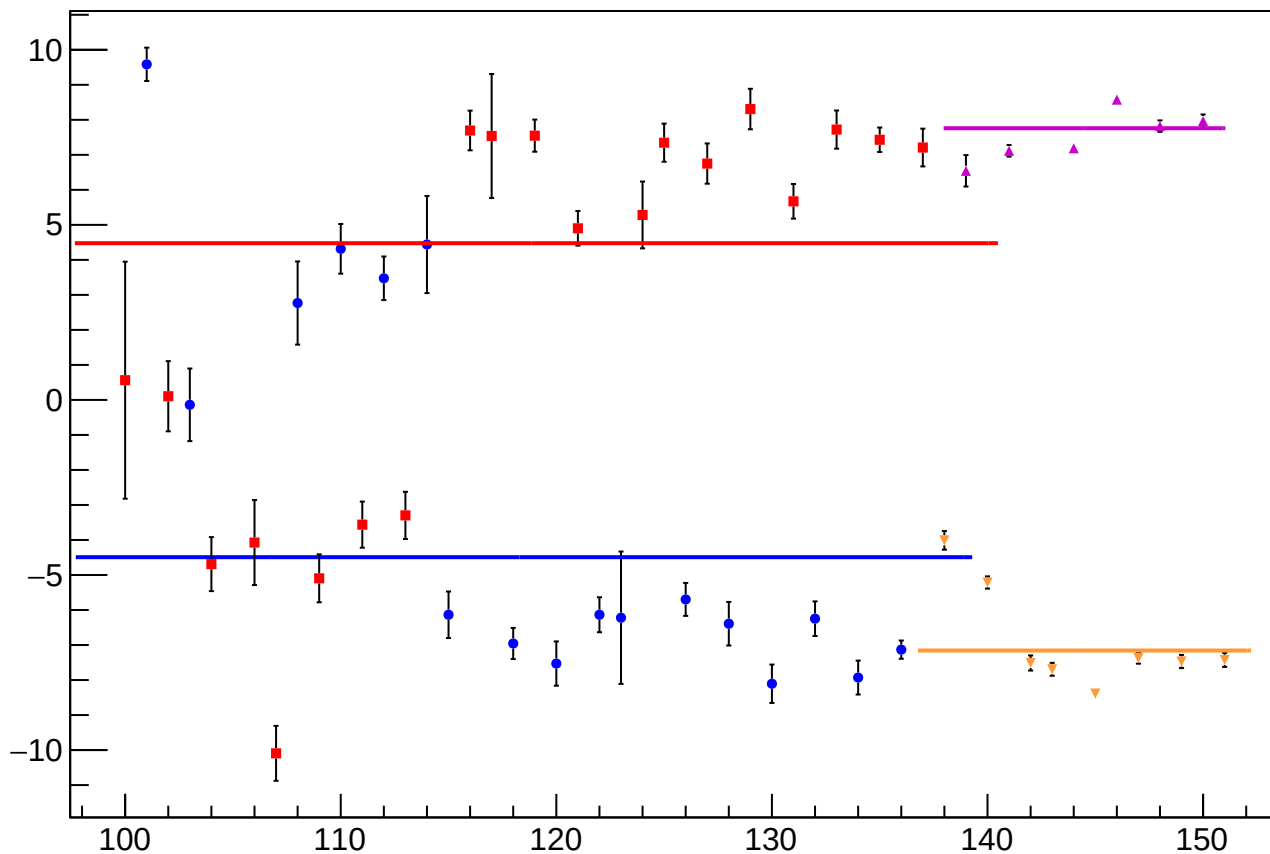
Left In: -16.059 ± 0.081 χ^2/NDF : 1353.0/5

16.737 ± 0.073 χ^2/NDF : 1345.5/24

0.782 ± 0.053 χ^2/NDF : 101216.5/50

-16.288 ± 0.076 χ^2/NDF : 1925.8/25

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: -7.157 ± 0.065 χ^2/NDF : 356.8/7

Right Out: 4.476 ± 0.137 χ^2/NDF : 1342.0/19

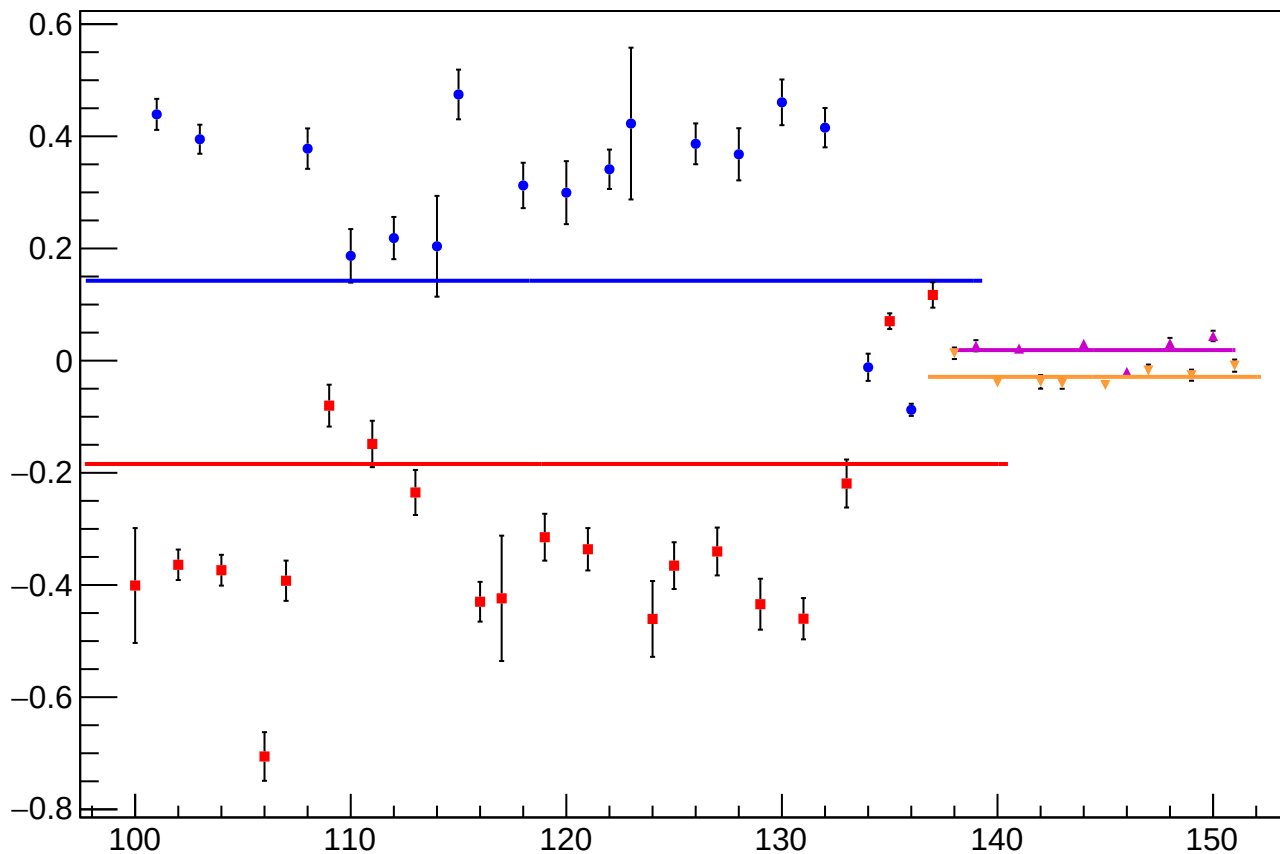
Left In: 7.760 ± 0.066 χ^2/NDF : 85.3/5

-6.633 ± 0.058 χ^2/NDF : 2277.6/24

0.056 ± 0.041 χ^2/NDF : 31682.7/50

7.137 ± 0.060 χ^2/NDF : 1895.4/25

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.142 ± 0.007 χ^2/NDF : 1058.8/16

Left Out: -0.029 ± 0.003 χ^2/NDF : 30.1/7

Right Out: -0.184 ± 0.007 χ^2/NDF : 1005.5/19

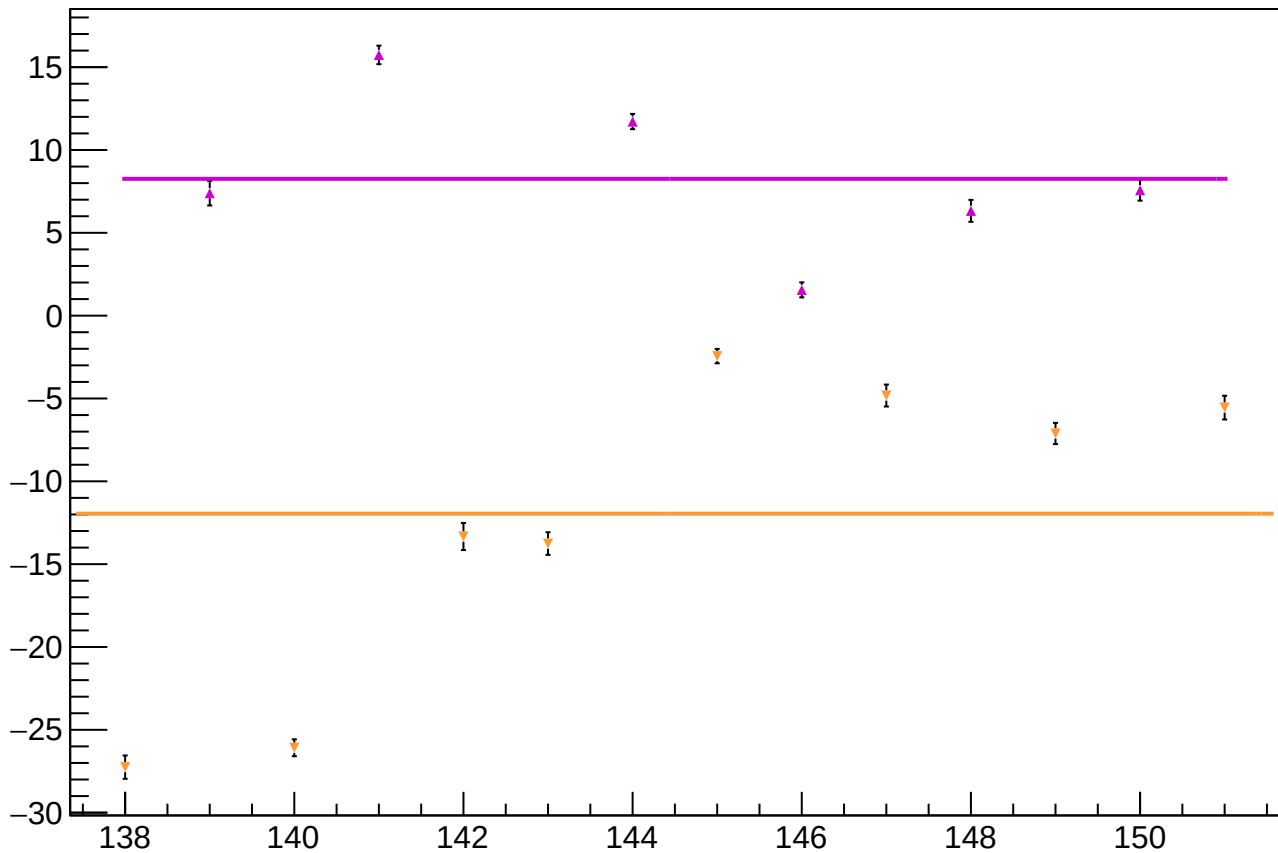
Left In: 0.019 ± 0.003 χ^2/NDF : 40.9/5

0.001 ± 0.003 χ^2/NDF : 1573.2/24

-0.008 ± 0.002 χ^2/NDF : 3258.5/50

-0.017 ± 0.003 χ^2/NDF : 1666.8/25

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -11.952+/-0.216 χ^2/NDF : 1979.9/7

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

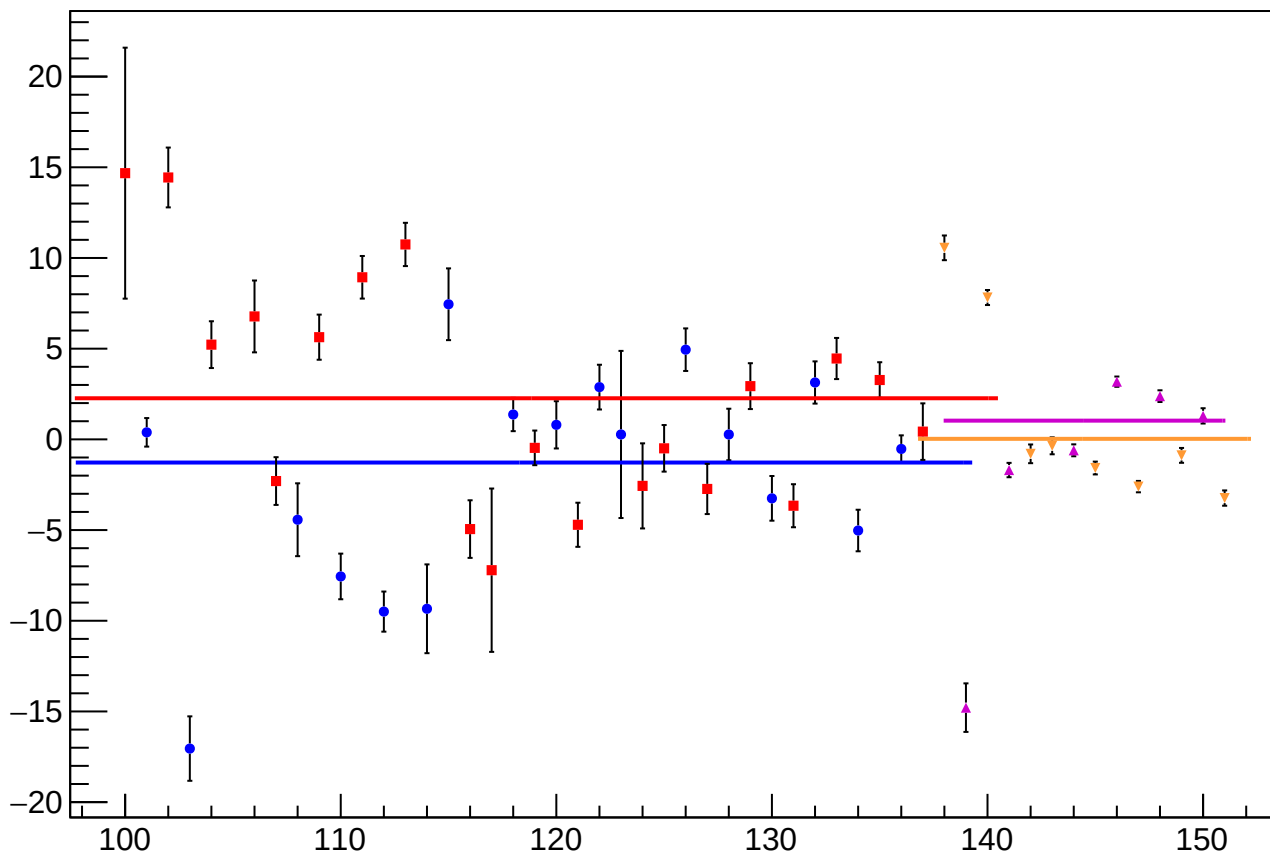
Left In: 8.259+/-0.227 χ^2/NDF : 463.9/5

-11.952+/-0.216 χ^2/NDF : 1979.9/7

-2.359+/-0.156 χ^2/NDF : 6602.9/13

8.259+/-0.227 χ^2/NDF : 463.9/5

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: 0.029+/-0.147 χ^2 /NDF: 751.9/7

Right Out: 2.266+/-0.302 χ^2 /NDF: 289.8/19

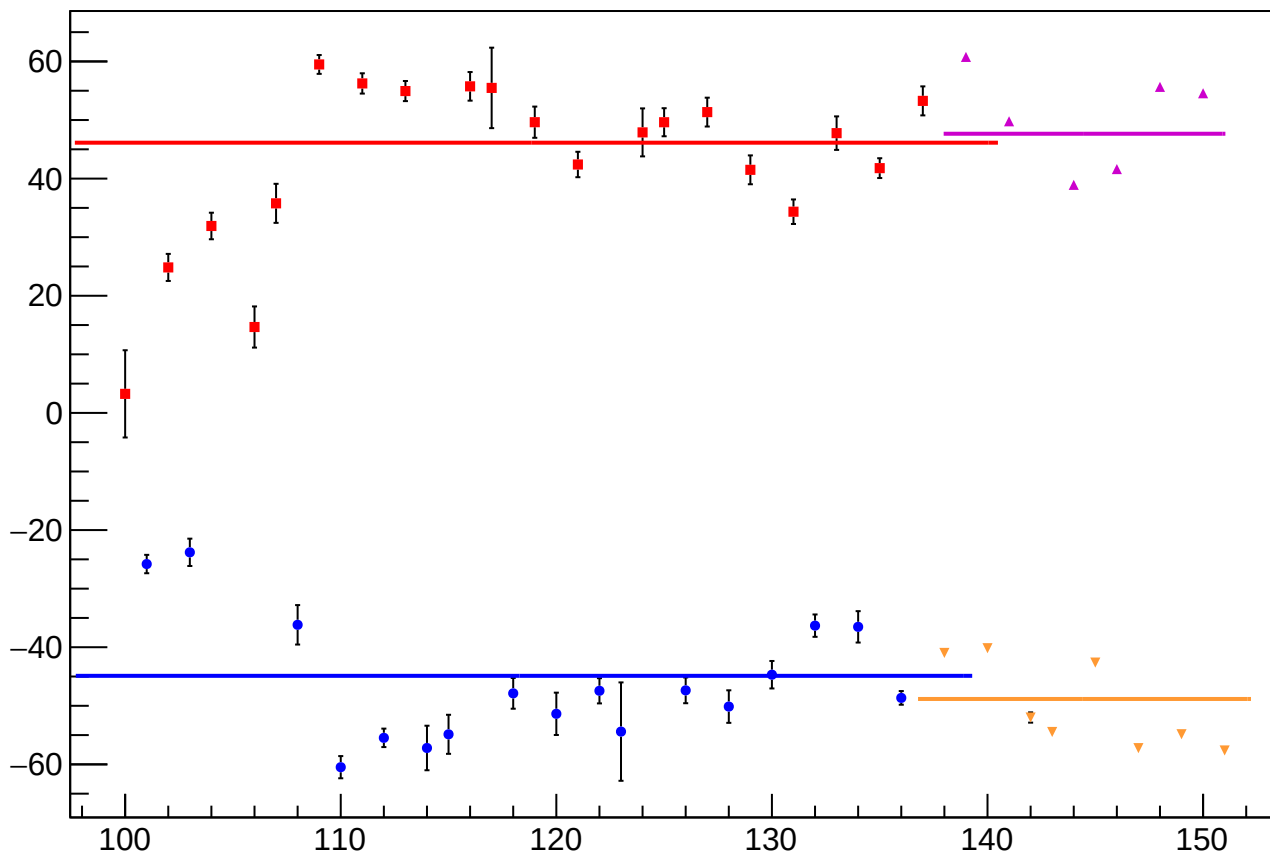
Left In: 1.032+/-0.151 χ^2 /NDF: 287.4/5

-0.236+/-0.132 χ^2 /NDF: 1044.3/24

0.503+/-0.094 χ^2 /NDF: 1699.5/50

1.279+/-0.135 χ^2 /NDF: 590.6/25

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: -48.834 ± 0.221 χ^2/NDF : 1064.1/7

Right Out: 46.130 ± 0.527 χ^2/NDF : 456.1/19

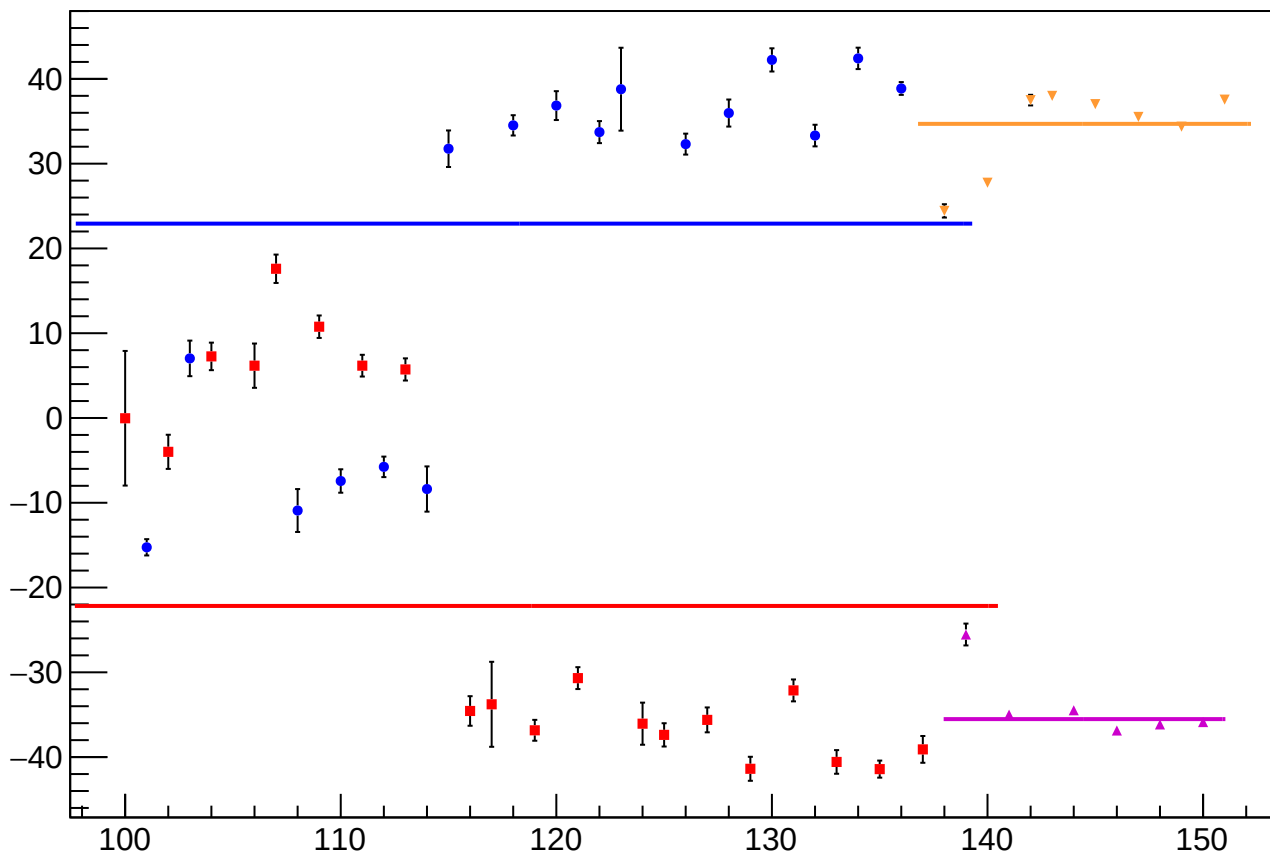
Left In: 47.658 ± 0.228 χ^2/NDF : 1086.8/5

-48.239 ± 0.203 χ^2/NDF : 1533.2/24

-1.776 ± 0.146 χ^2/NDF : 110468.8/50

47.417 ± 0.209 χ^2/NDF : 1550.0/25

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.926+/-0.328 χ^2/NDF : 4330.2/16

Left Out: 34.695+/-0.182 χ^2/NDF : 480.9/7

Right Out: -22.170+/-0.339 χ^2/NDF : 4038.8/19

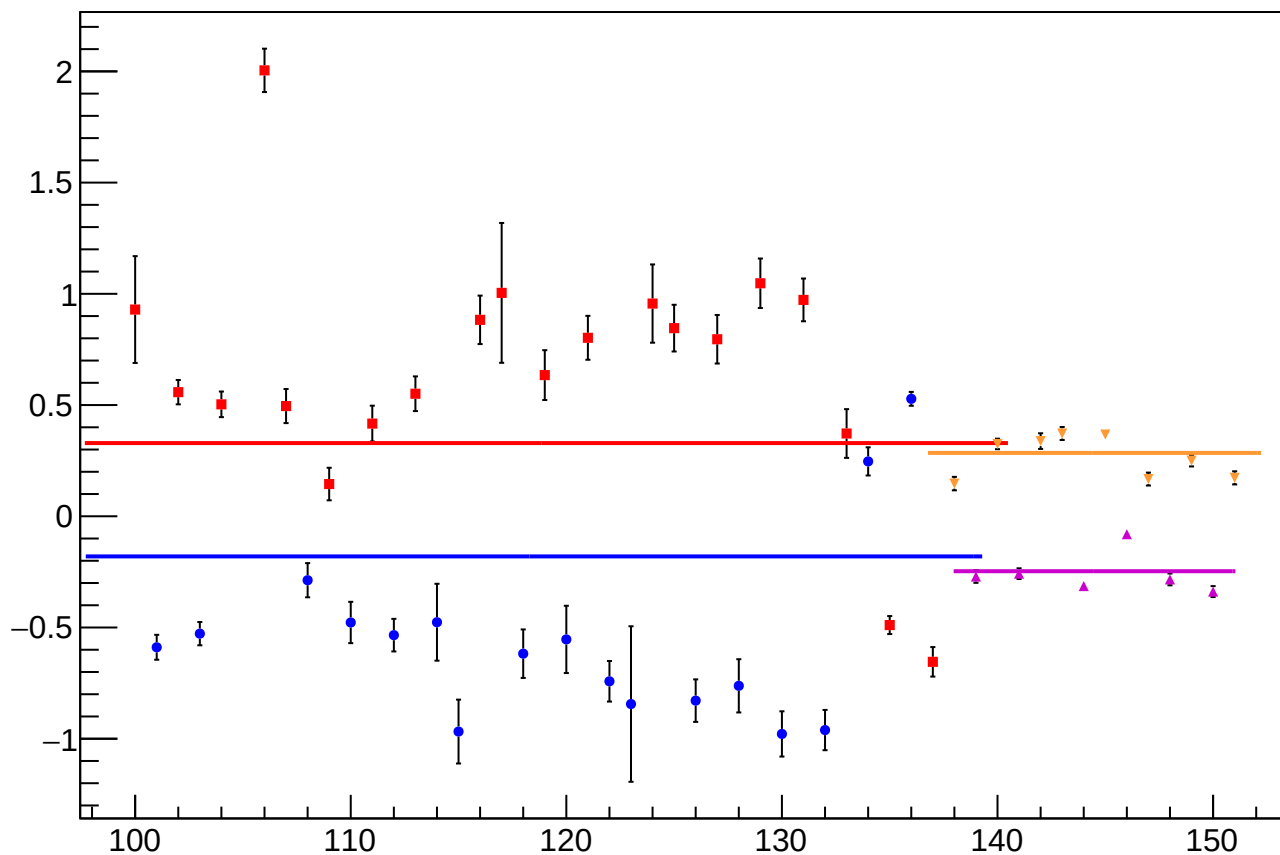
Left In: -35.519+/-0.187 χ^2/NDF : 85.1/5

31.920+/-0.159 χ^2/NDF : 5794.6/24

0.666+/-0.114 χ^2/NDF : 90306.0/50

-32.403+/-0.164 χ^2/NDF : 5311.2/25

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: 0.285 ± 0.009 χ^2/NDF : 88.2/7

Right Out: 0.329 ± 0.018 χ^2/NDF : 1180.2/19

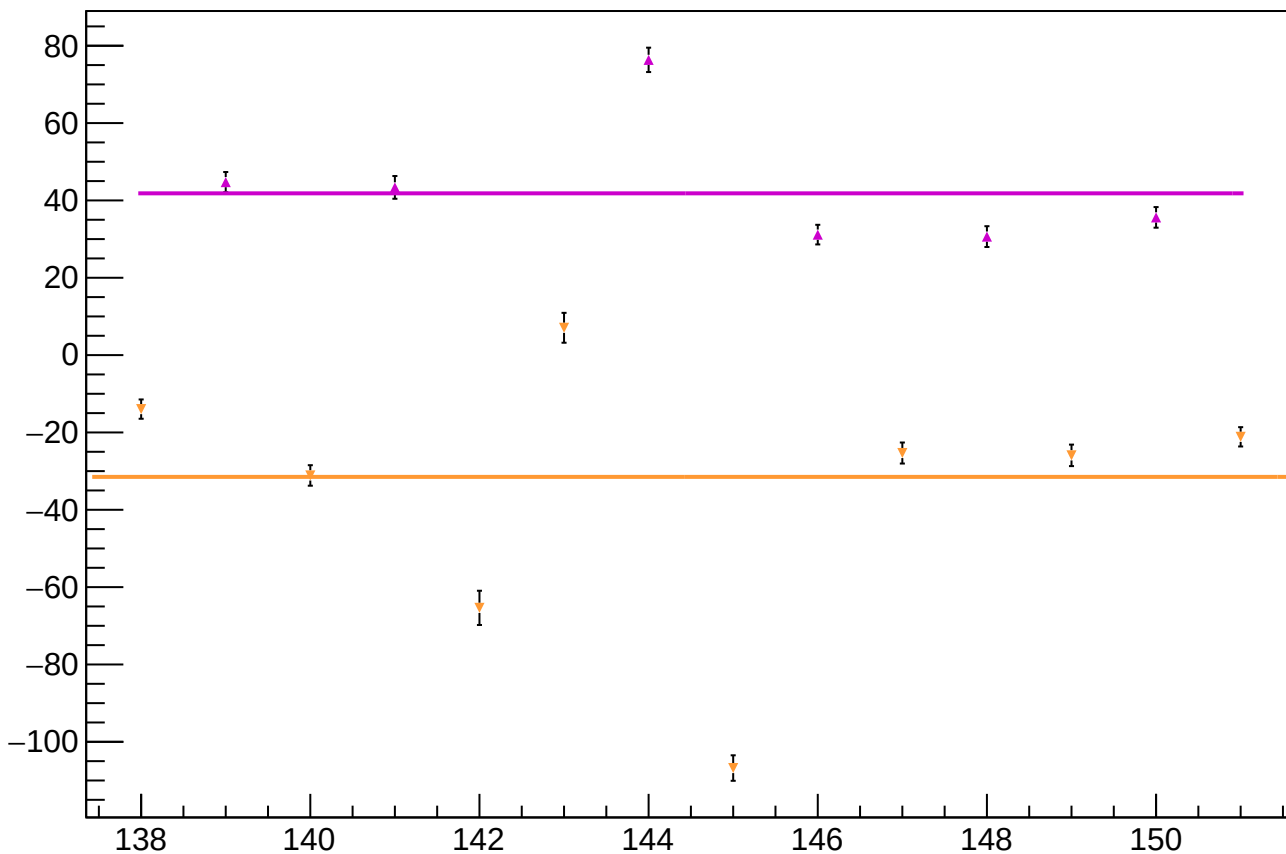
Left In: -0.247 ± 0.010 χ^2/NDF : 92.8/5

0.186 ± 0.008 χ^2/NDF : 1623.7/24

0.040 ± 0.006 χ^2/NDF : 4341.2/50

-0.119 ± 0.009 χ^2/NDF : 2055.2/25

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -31.490+/-1.033 χ^2/NDF : 755.4/7

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

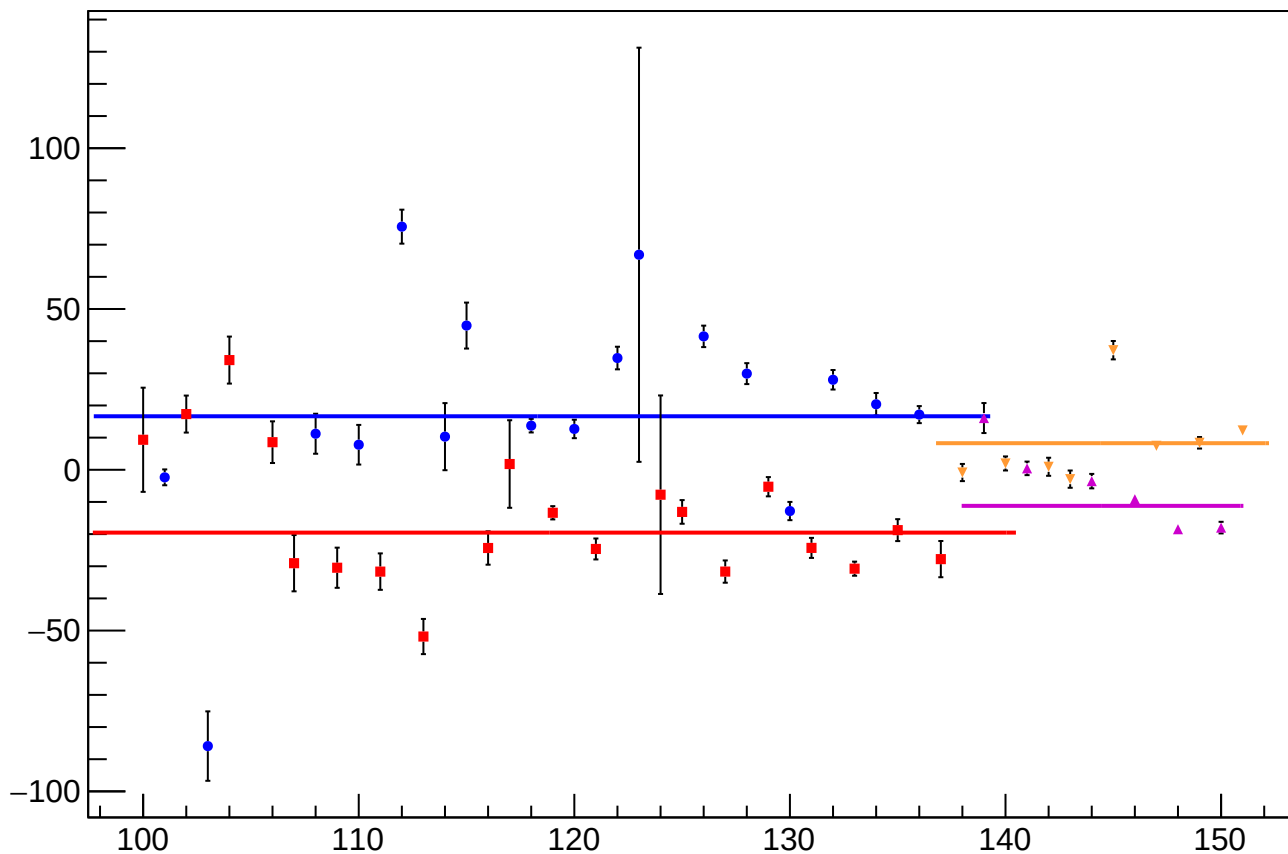
Left In: 41.833+/-1.120 χ^2/NDF : 161.8/5

-31.490+/-1.033 χ^2/NDF : 755.4/7

2.214+/-0.759 χ^2/NDF : 3233.6/13

41.833+/-1.120 χ^2/NDF : 161.8/5

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.641 ± 0.859 χ^2/NDF : 518.9/16

Left Out: 8.269 ± 0.682 χ^2/NDF : 154.7/7

Right Out: -19.540 ± 0.894 χ^2/NDF : 244.1/19

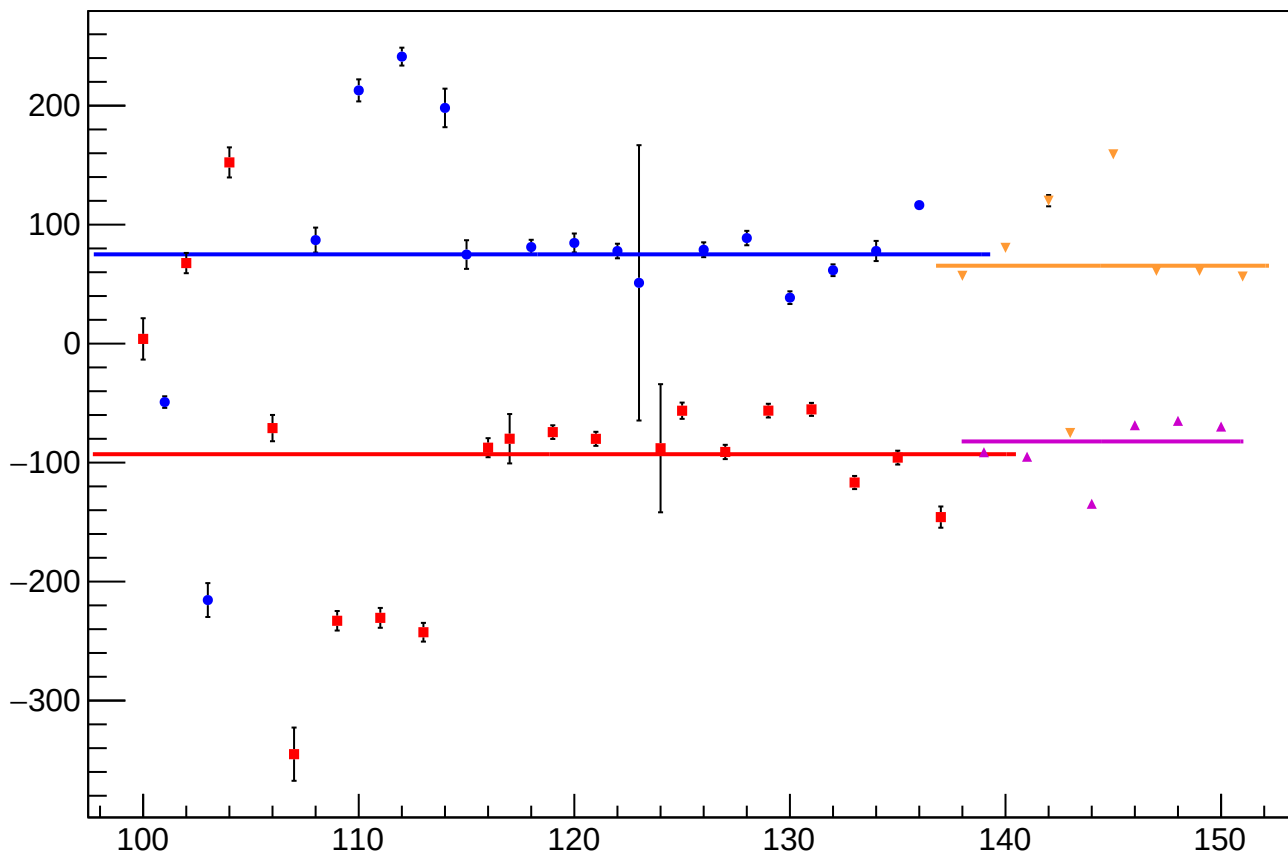
Left In: -11.216 ± 0.742 χ^2/NDF : 123.5/5

11.508 ± 0.534 χ^2/NDF : 731.9/24

-0.681 ± 0.390 χ^2/NDF : 2266.6/50

-14.609 ± 0.571 χ^2/NDF : 418.9/25

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 75.032 ± 1.647 χ^2/NDF : 1999.7/16

Left Out: 65.479 ± 1.038 χ^2/NDF : 2100.3/7

Right Out: -92.940 ± 1.706 χ^2/NDF : 2004.0/19

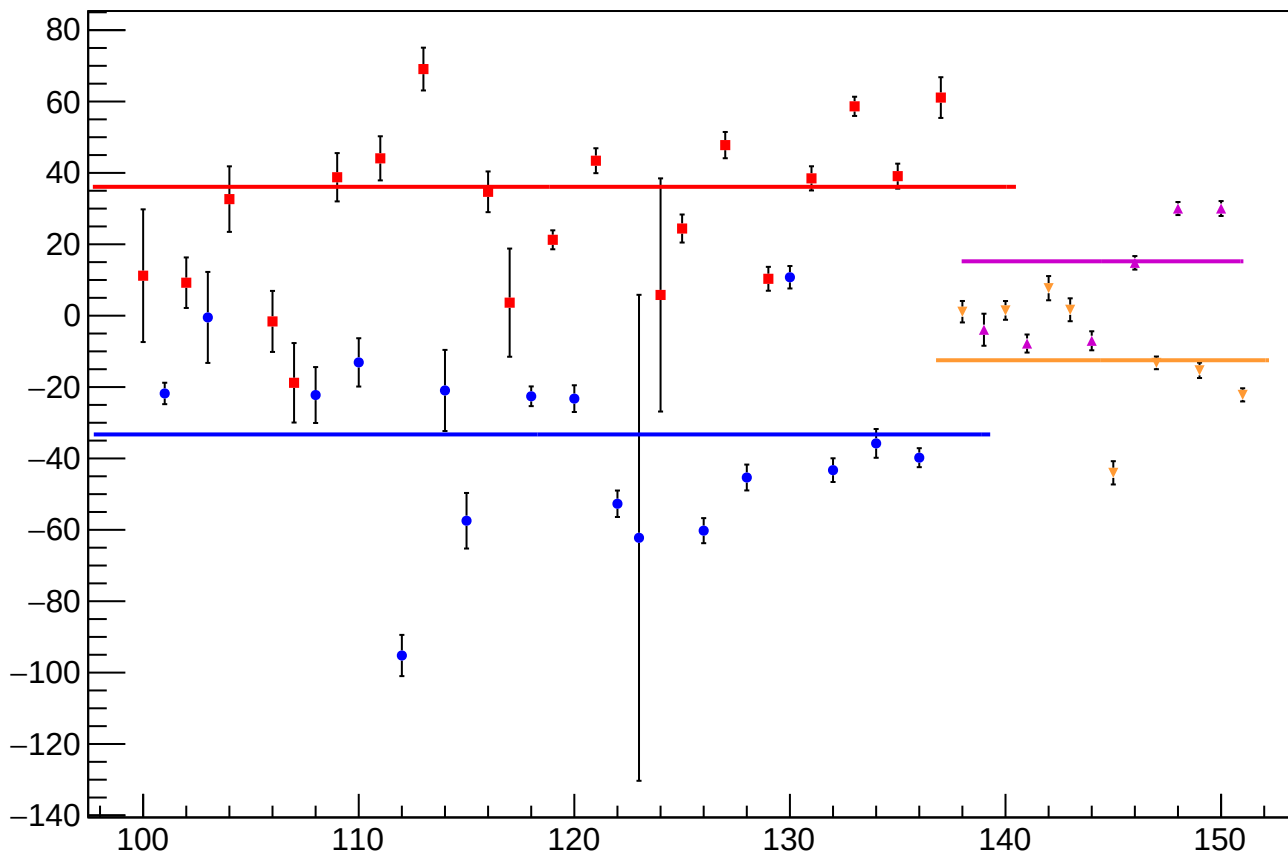
Left In: -82.214 ± 1.116 χ^2/NDF : 372.6/5

68.196 ± 0.878 χ^2/NDF : 4124.0/24

-3.904 ± 0.640 χ^2/NDF : 20892.2/50

-85.429 ± 0.934 χ^2/NDF : 2404.2/25

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.272 ± 0.982 χ^2/NDF : 489.4/16

Left Out: -12.488 ± 0.858 χ^2/NDF : 226.7/7

Right Out: 36.103 ± 1.022 χ^2/NDF : 302.3/19

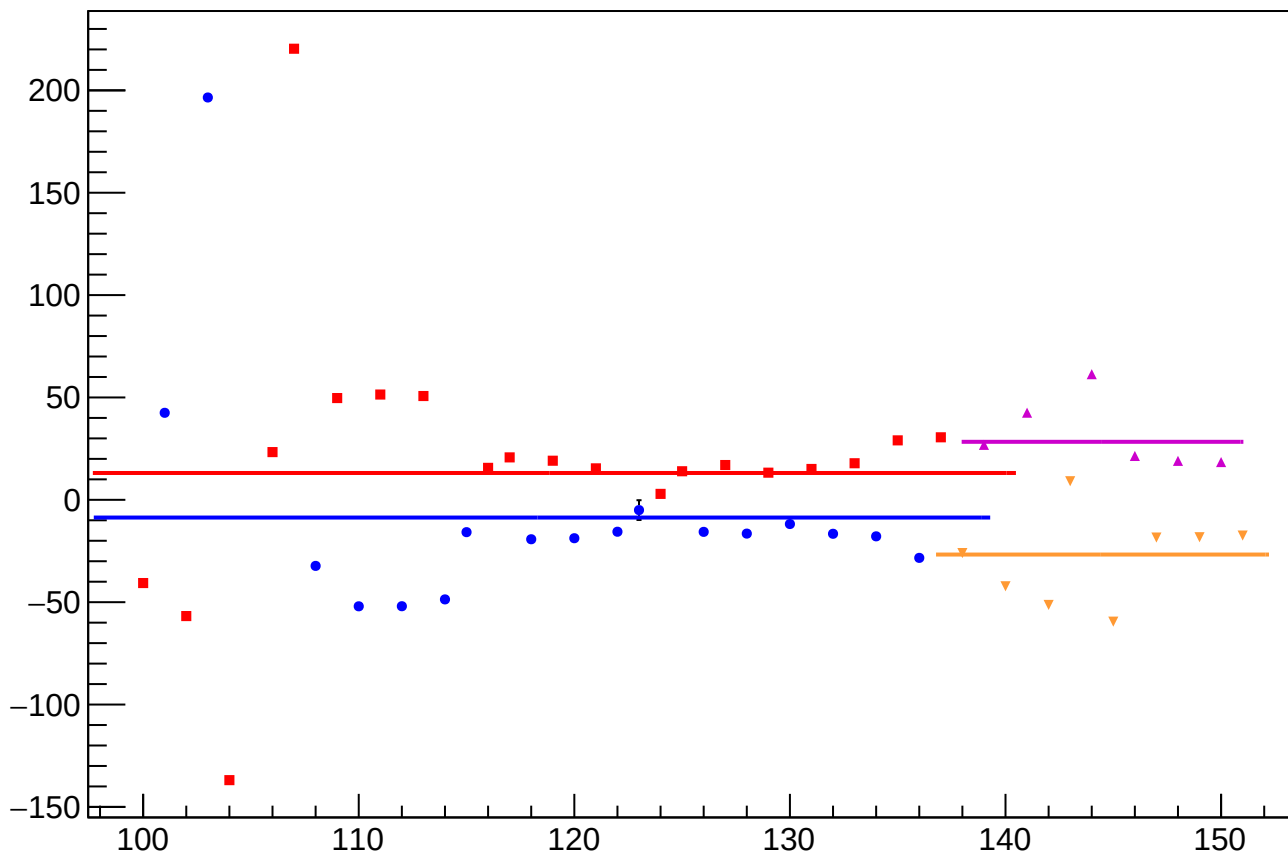
Left In: 15.230 ± 0.931 χ^2/NDF : 286.6/5

-21.484 ± 0.646 χ^2/NDF : 970.2/24

0.148 ± 0.471 χ^2/NDF : 4180.9/50

24.705 ± 0.688 χ^2/NDF : 816.8/25

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -8.657 ± 0.059 $\chi^2/\text{NDF}: 575742.7/16$

Left Out: -26.731 ± 0.044 $\chi^2/\text{NDF}: 157108.2/7$

Right Out: 13.109 ± 0.062 $\chi^2/\text{NDF}: 558383.6/19$

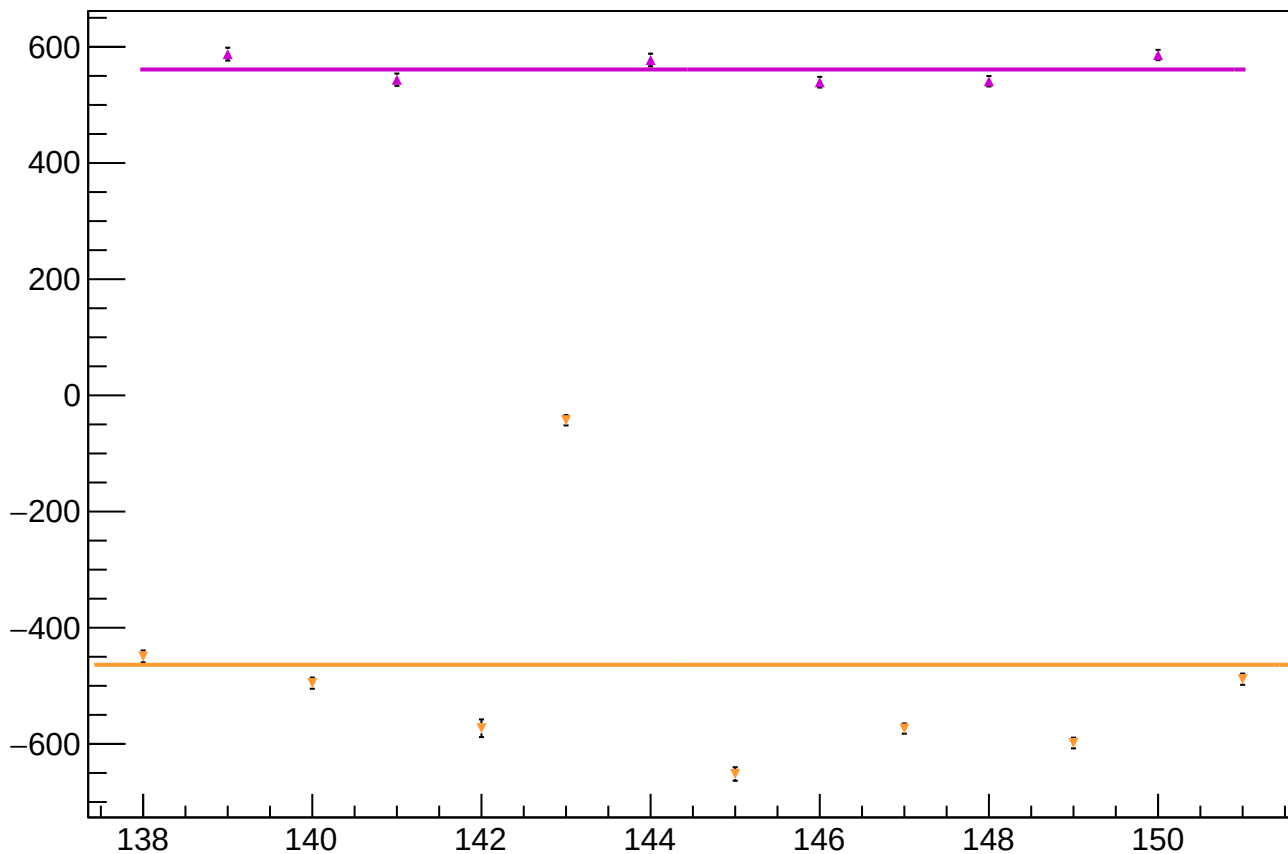
Left In: 28.334 ± 0.046 $\chi^2/\text{NDF}: 83238.4/5$

-20.297 ± 0.035 $\chi^2/\text{NDF}: 793114.8/24$

0.250 ± 0.026 $\chi^2/\text{NDF}: 2187372.5/50$

22.864 ± 0.037 $\chi^2/\text{NDF}: 680638.7/25$

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -463.797+/-3.539 χ^2/NDF : 2935.6/7

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

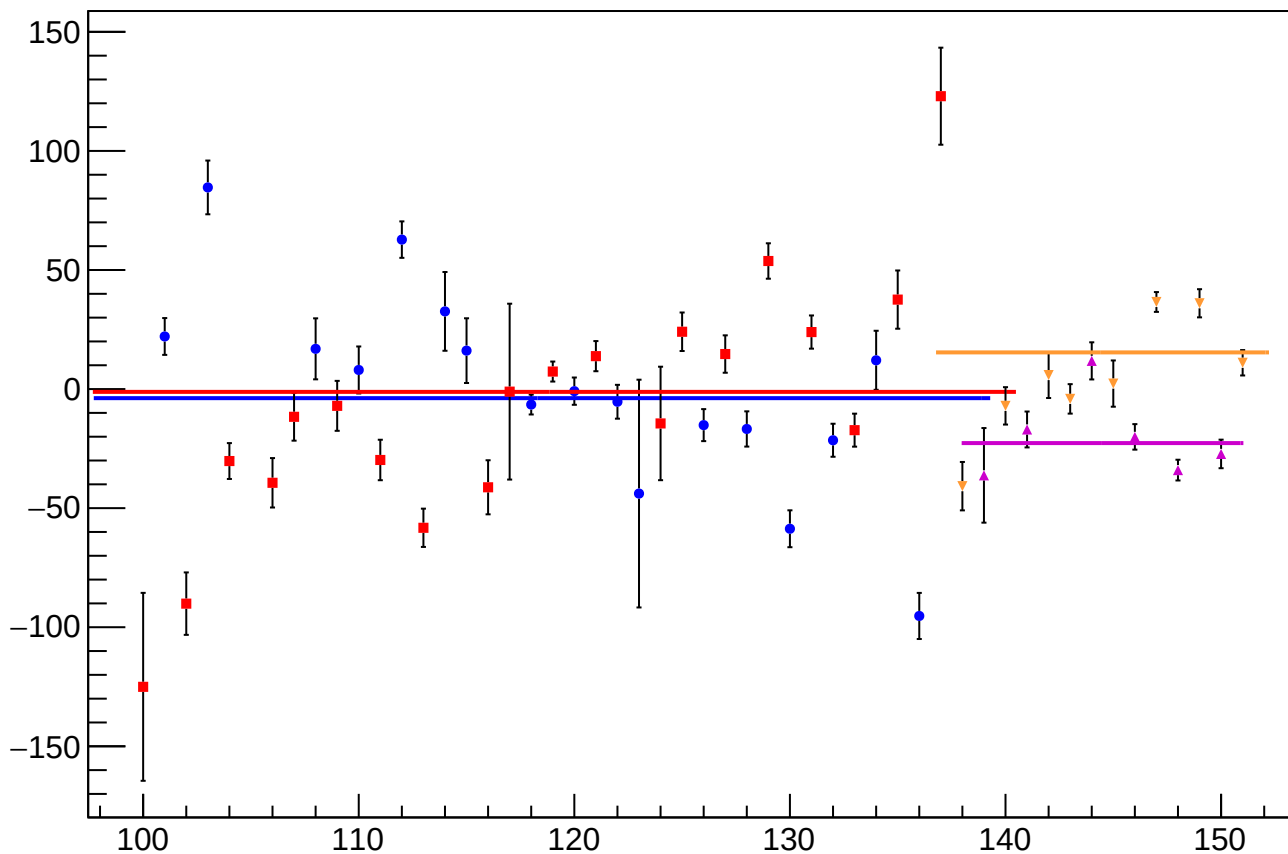
Left In: 561.037+/-4.011 χ^2/NDF : 29.2/5

-463.797+/-3.539 χ^2/NDF : 2935.6/7

-15.316+/-2.654 χ^2/NDF : 39671.9/13

561.037+/-4.011 χ^2/NDF : 29.2/5

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.815 ± 1.923 χ^2/NDF : 314.3/16

Left Out: 15.398 ± 2.265 χ^2/NDF : 90.2/7

Right Out: -1.175 ± 1.911 χ^2/NDF : 303.9/19

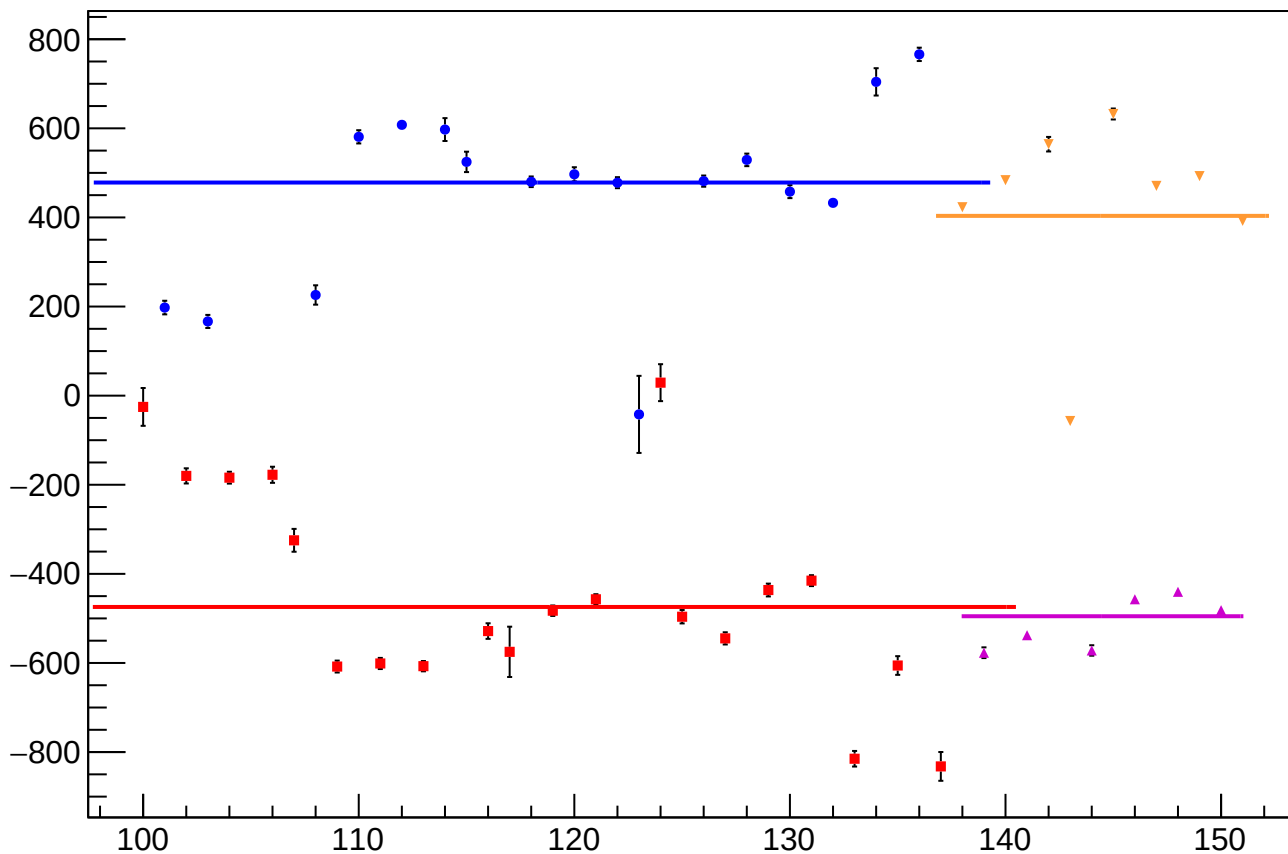
Left In: -22.679 ± 2.565 χ^2/NDF : 28.2/5

4.232 ± 1.466 χ^2/NDF : 446.3/24

-2.019 ± 1.059 χ^2/NDF : 861.7/50

-8.852 ± 1.533 χ^2/NDF : 377.3/25

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 478.334 ± 3.662 χ^2/NDF : 1628.8/16

Left Out: 403.519 ± 3.557 χ^2/NDF : 3031.6/7

Right Out: -474.296 ± 3.524 χ^2/NDF : 2288.2/19

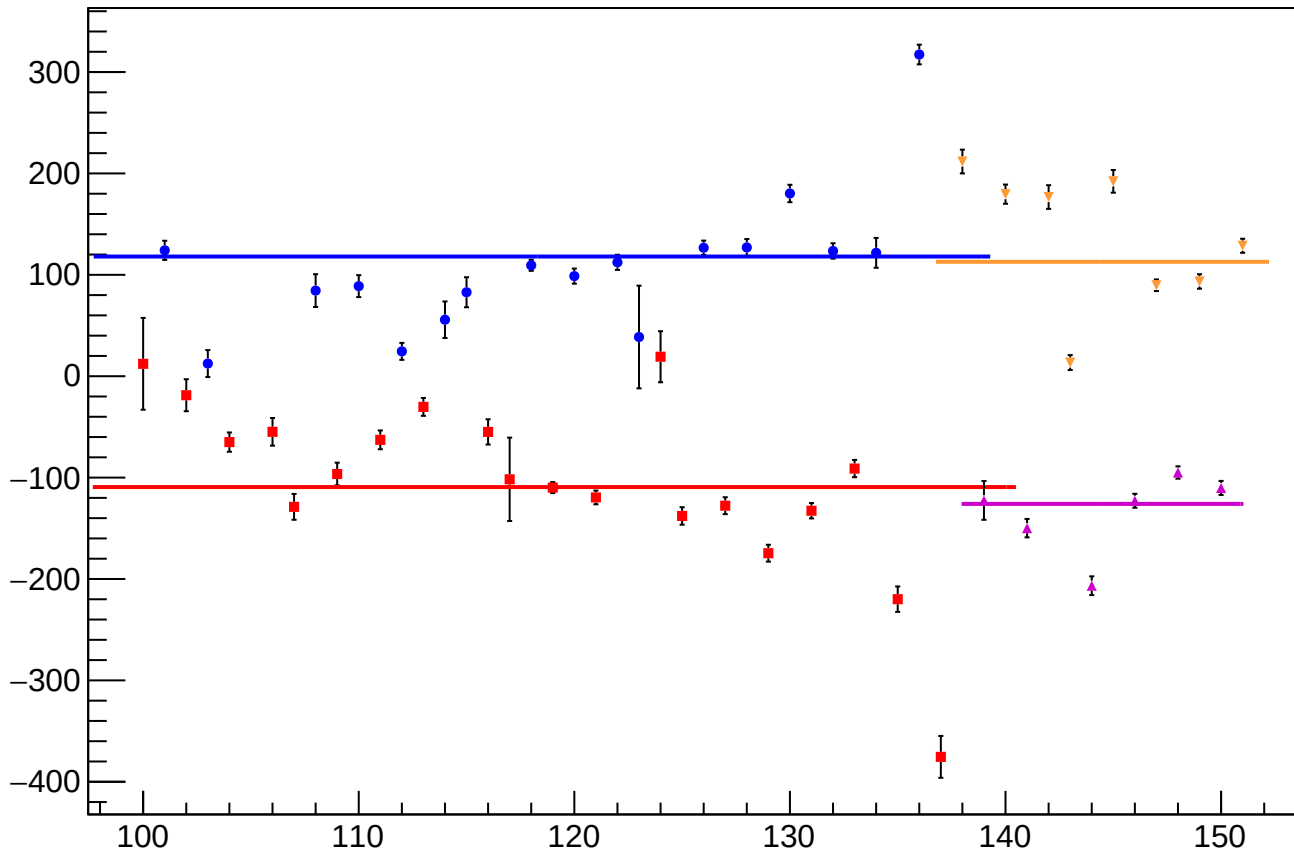
Left In: -495.117 ± 3.968 χ^2/NDF : 167.3/5

439.833 ± 2.551 χ^2/NDF : 4875.2/24

-6.933 ± 1.833 χ^2/NDF : 70716.7/50

-483.477 ± 2.635 χ^2/NDF : 2470.9/25

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 118.055±/2.225 χ^2/NDF : 705.3/16

Left Out: 112.845±/2.855 χ^2/NDF : 410.7/7

Right Out: -109.345±/2.202 χ^2/NDF : 569.8/19

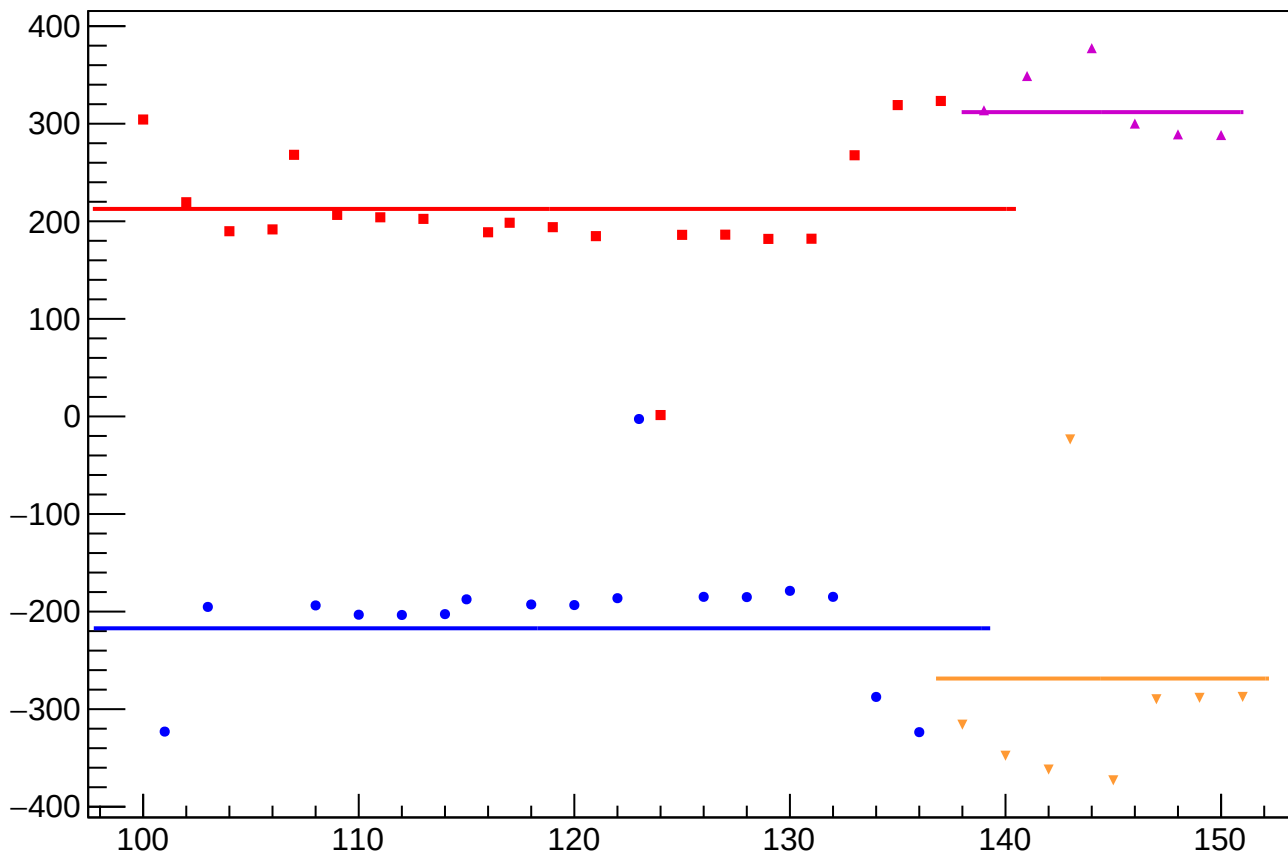
Left In: -125.933±/3.237 χ^2/NDF : 114.3/5

116.085±/1.755 χ^2/NDF : 1118.1/24

4.973±/1.264 χ^2/NDF : 10141.5/50

-114.591±/1.821 χ^2/NDF : 702.0/25

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -217.120+/-0.137 χ^2 /NDF: 146559.7/16

Left Out: -268.611+/-0.151 χ^2 /NDF:532681.4/7

Right Out: 212.679+/-0.130 χ^2 /NDF: 115596.4/19

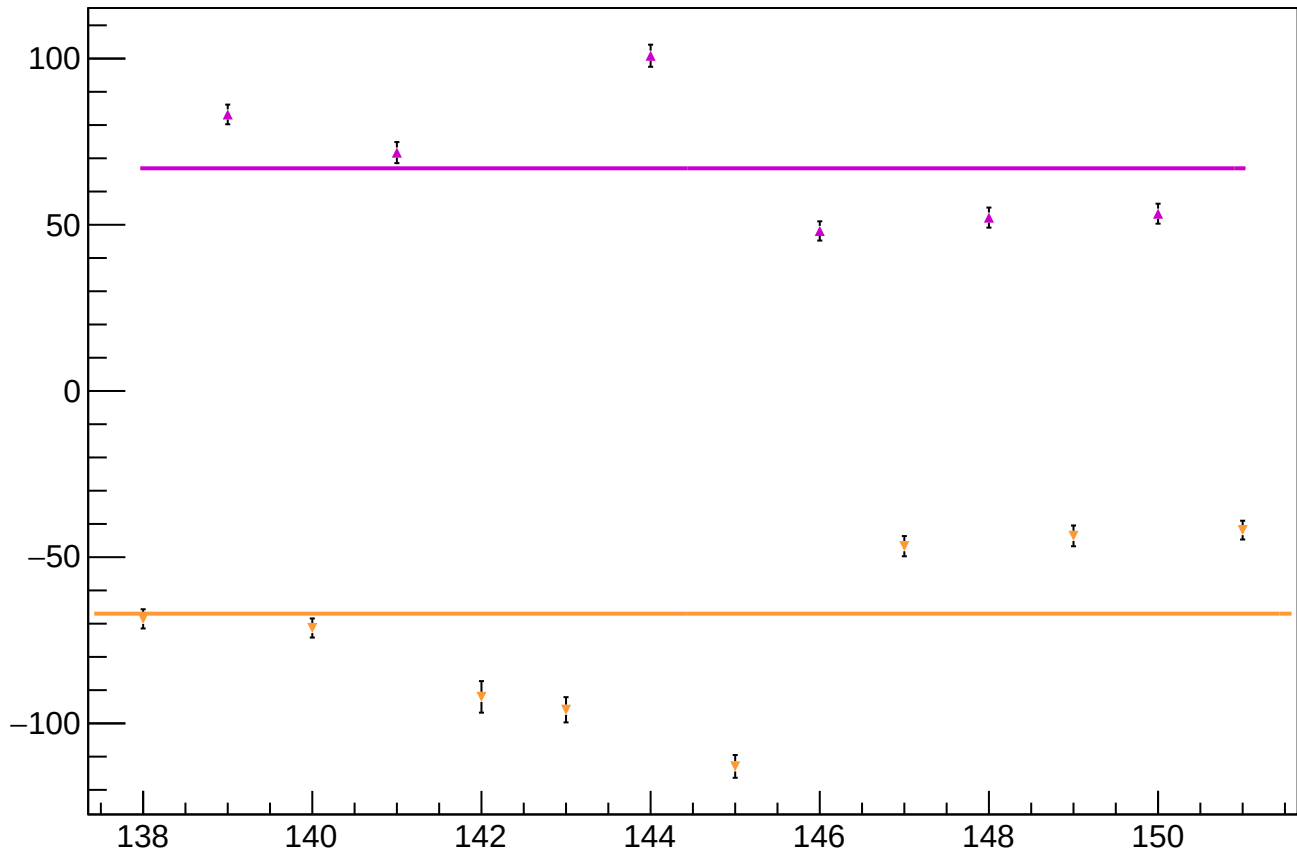
Left In: 311.869+/-0.166 χ^2 /NDF:32320.9/5

-240.224+/-0.101 χ^2 /NDF: 743020.7/24

2.621+/-0.072 χ^2 /NDF: 12696305.0/50

250.320+/-0.102 χ^2 /NDF: 368796.2/25

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -66.987+/-1.136 χ^2/NDF : 448.0/7

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

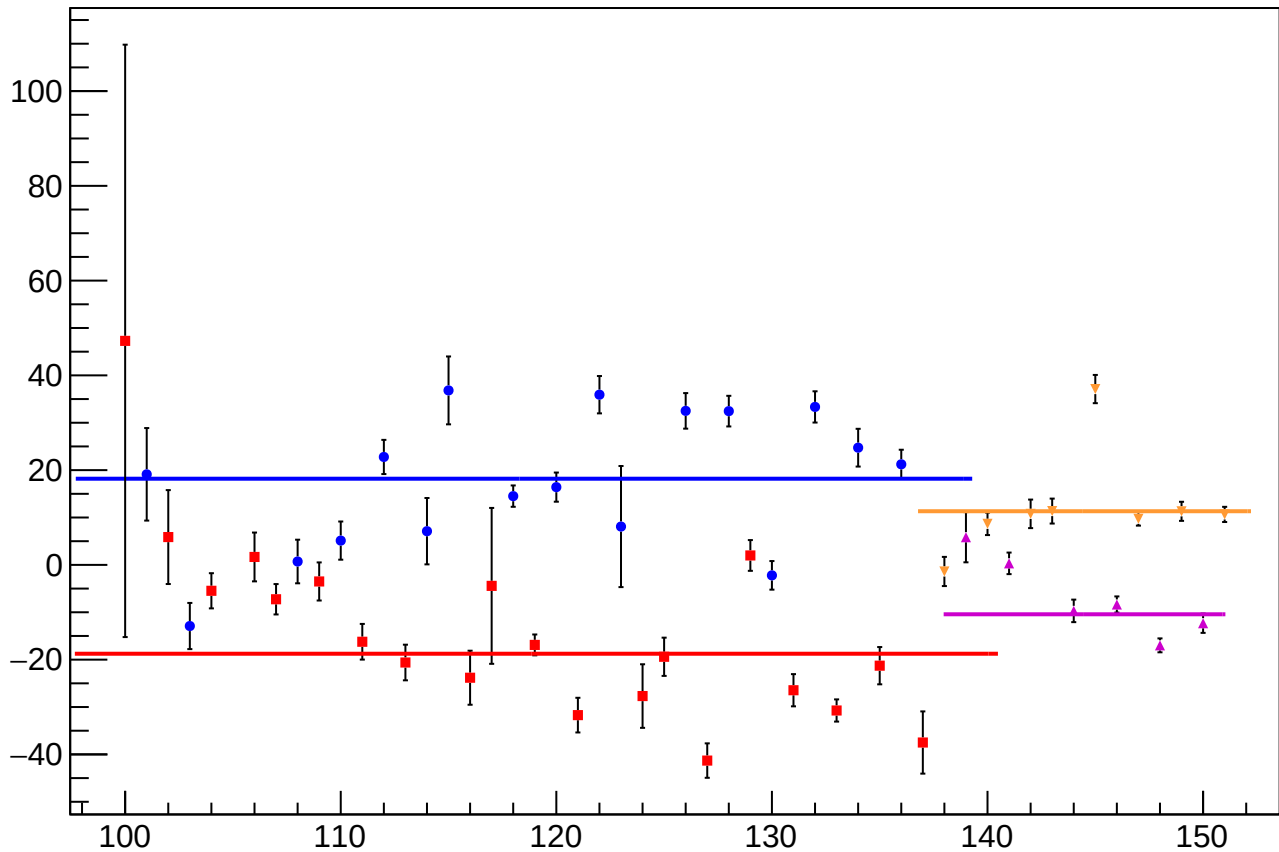
Left In: 66.988+/-1.247 χ^2/NDF : 222.9/5

-66.987+/-1.136 χ^2/NDF : 448.0/7

-6.236+/-0.839 χ^2/NDF : 6982.9/13

66.988+/-1.247 χ^2/NDF : 222.9/5

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.188 ± 0.917 $\chi^2/\text{NDF}: 204.9/16$

Left Out: 11.325 ± 0.752 $\chi^2/\text{NDF}: 94.5/7$

Right Out: -18.752 ± 0.862 $\chi^2/\text{NDF}: 199.5/19$

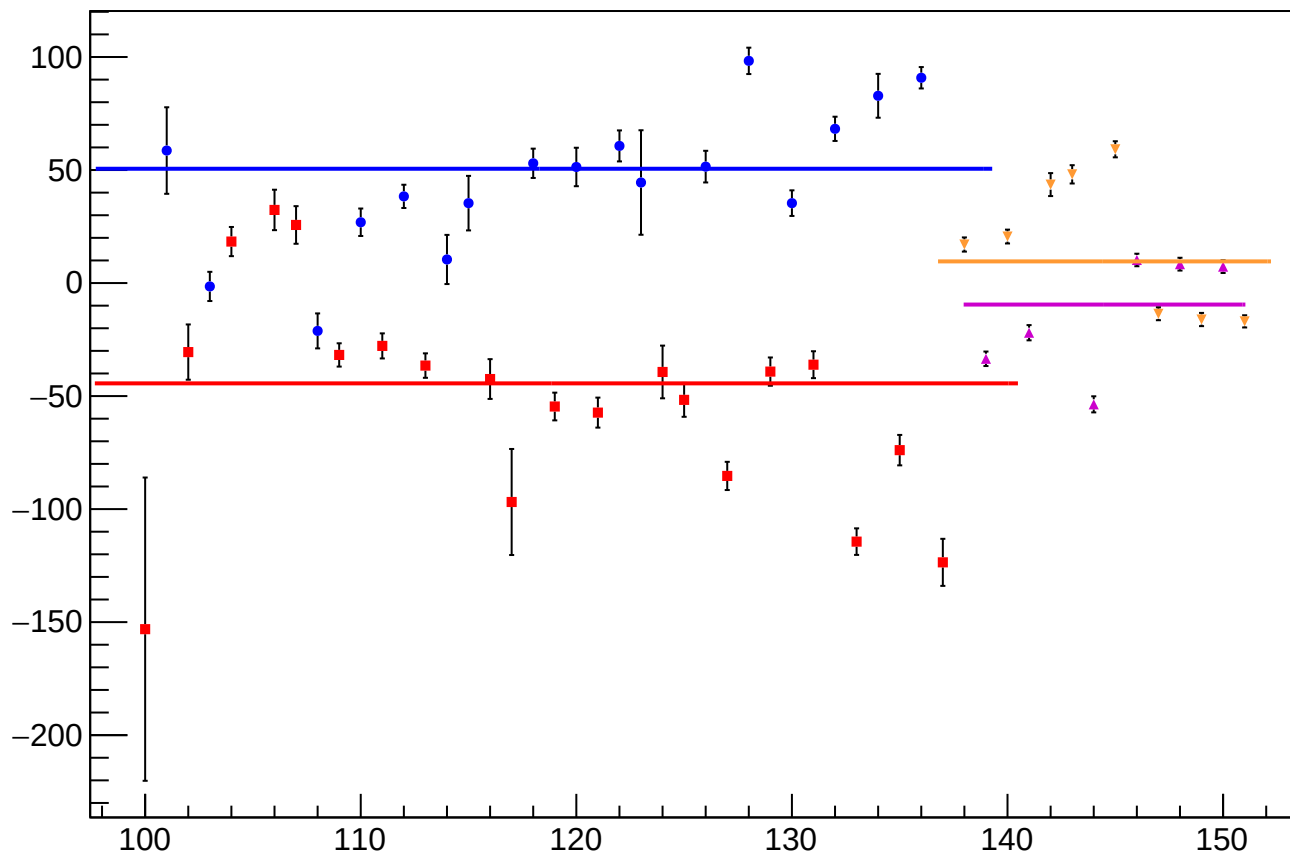
Left In: -10.425 ± 0.829 $\chi^2/\text{NDF}: 54.1/5$

14.086 ± 0.582 $\chi^2/\text{NDF}: 332.9/24$

0.209 ± 0.417 $\chi^2/\text{NDF}: 1804.3/50$

-14.430 ± 0.597 $\chi^2/\text{NDF}: 302.1/25$

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 50.565+/-1.678 χ^2/NDF : 357.9/16

Left Out: 9.581+/-1.144 χ^2/NDF : 588.1/7

Right Out: -44.377+/-1.599 χ^2/NDF : 537.6/19

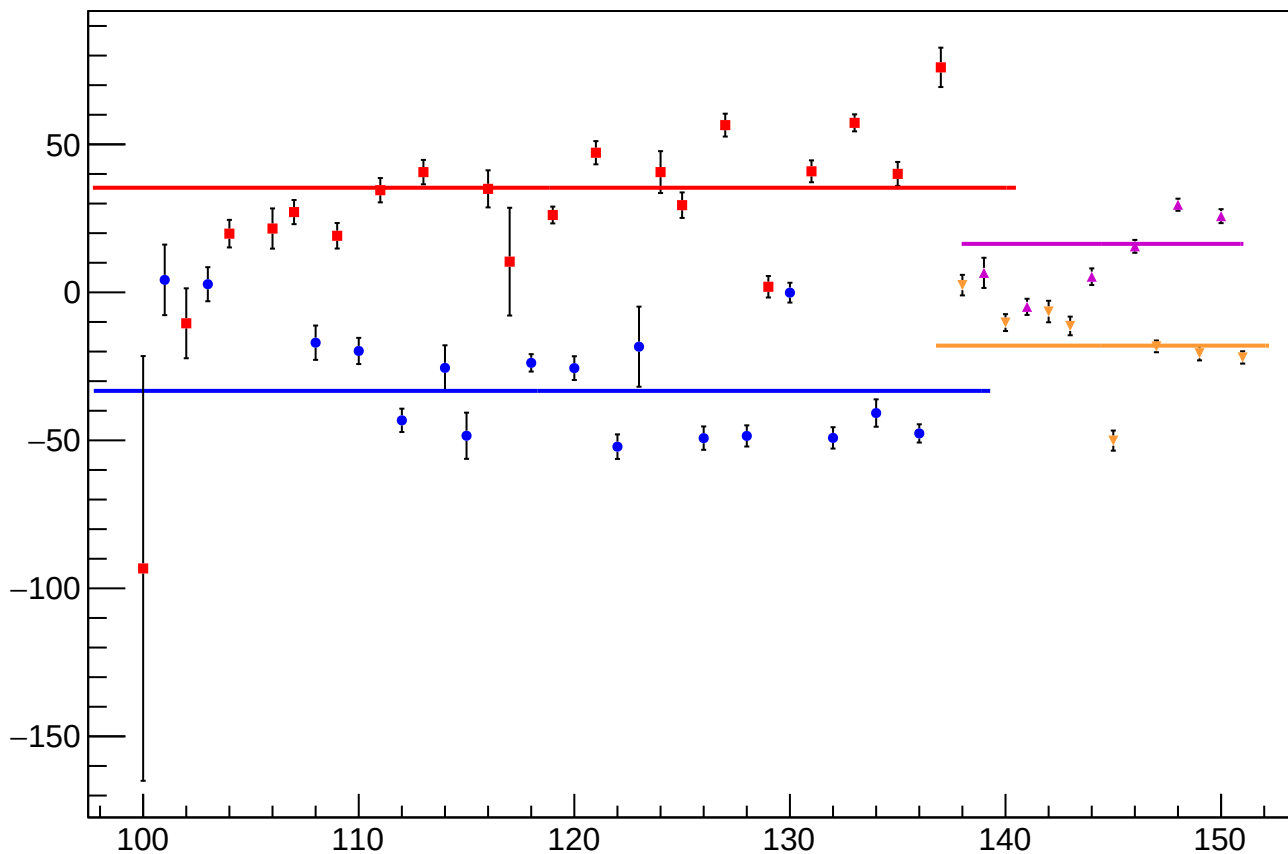
Left In: -9.514+/-1.245 χ^2/NDF : 349.6/5

22.583+/-0.945 χ^2/NDF : 1353.5/24

0.831+/-0.681 χ^2/NDF : 3639.3/50

-22.670+/-0.982 χ^2/NDF : 1183.2/25

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.281 ± 1.043 $\chi^2/\text{NDF}: 290.1/16$

Left Out: -17.998 ± 0.944 $\chi^2/\text{NDF}: 150.7/7$

Right Out: 35.343 ± 0.990 $\chi^2/\text{NDF}: 291.6/19$

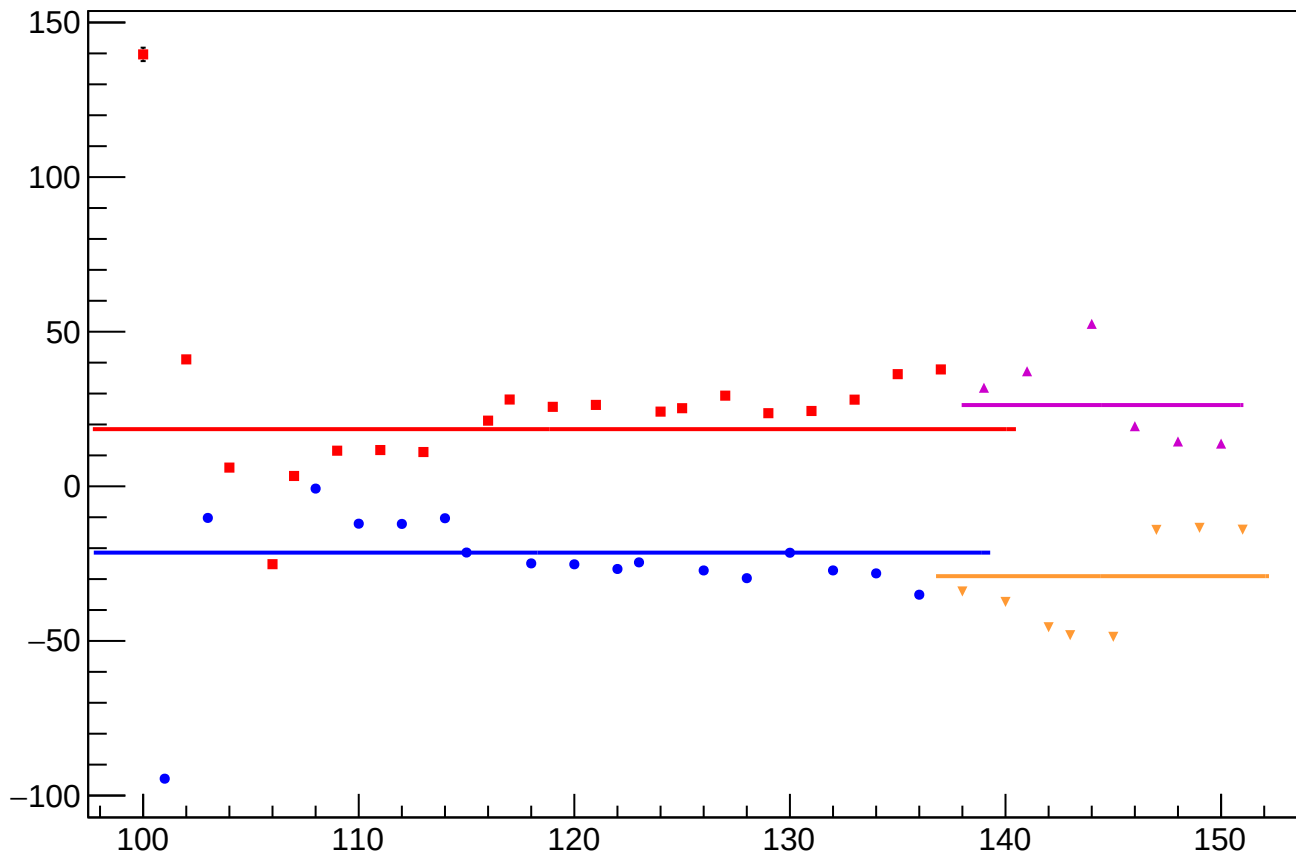
Left In: 16.384 ± 1.039 $\chi^2/\text{NDF}: 137.4/5$

-24.880 ± 0.700 $\chi^2/\text{NDF}: 558.7/24$

0.126 ± 0.501 $\chi^2/\text{NDF}: 3773.6/50$

26.323 ± 0.717 $\chi^2/\text{NDF}: 603.6/25$

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -21.442 ± 0.059 $\chi^2/\text{NDF}: 48968.5/16$

Left Out: -29.054 ± 0.048 $\chi^2/\text{NDF}: 89869.7/7$

Right Out: 18.490 ± 0.057 $\chi^2/\text{NDF}: 80549.5/19$

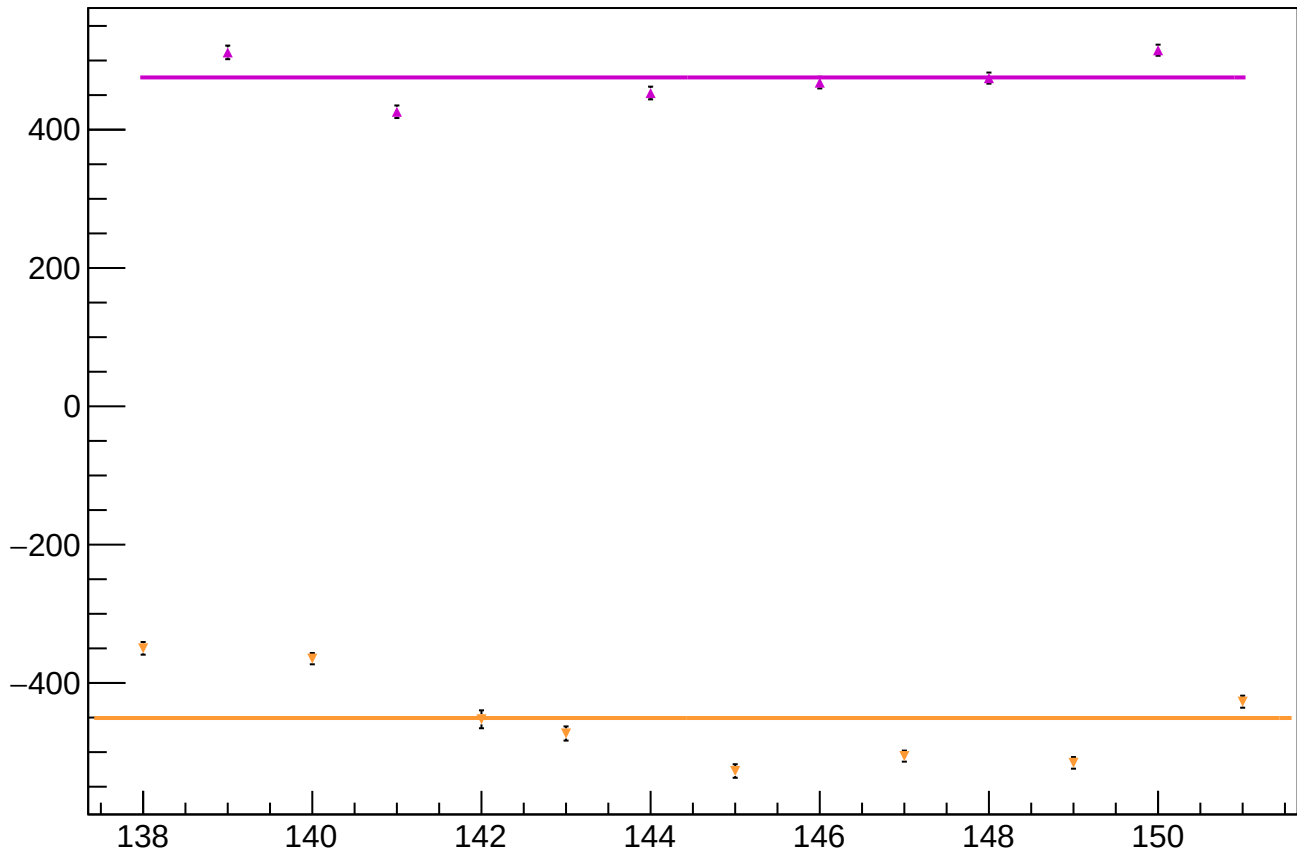
Left In: 26.280 ± 0.052 $\chi^2/\text{NDF}: 60949.8/5$

-25.991 ± 0.037 $\chi^2/\text{NDF}: 148815.8/24$

-2.223 ± 0.027 $\chi^2/\text{NDF}: 1130911.5/50$

22.795 ± 0.038 $\chi^2/\text{NDF}: 151707.6/25$

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -450.673+/-3.235 χ^2/NDF : 410.7/7

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

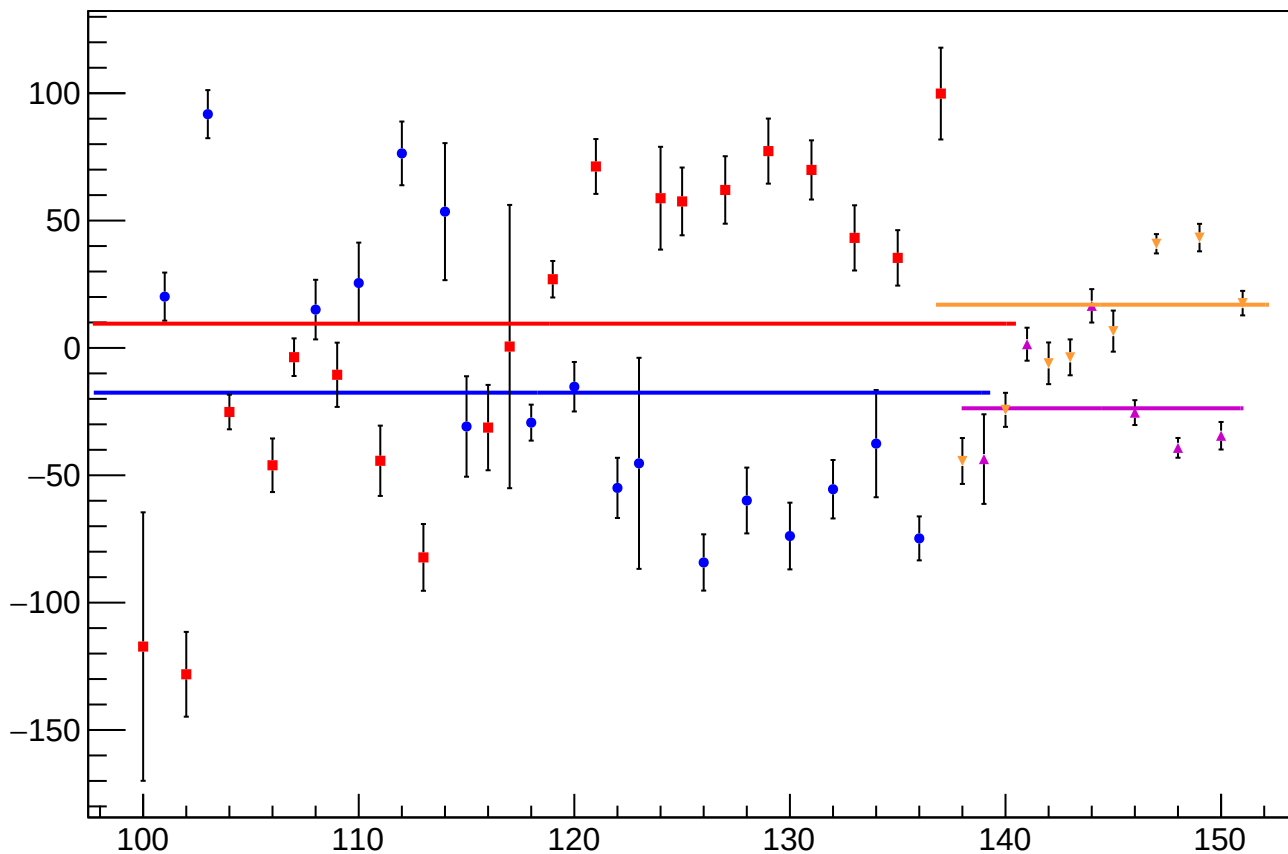
Left In: 475.534+/-3.547 χ^2/NDF : 74.2/5

-450.673+/-3.235 χ^2/NDF : 410.7/7

-30.138+/-2.390 χ^2/NDF : 37712.1/13

475.534+/-3.547 χ^2/NDF : 74.2/5

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -17.564 ± 2.820 $\chi^2/\text{NDF}: 363.7/16$

Left Out: 16.975 ± 2.075 $\chi^2/\text{NDF}: 166.4/7$

Right Out: 9.527 ± 2.606 $\chi^2/\text{NDF}: 370.3/19$

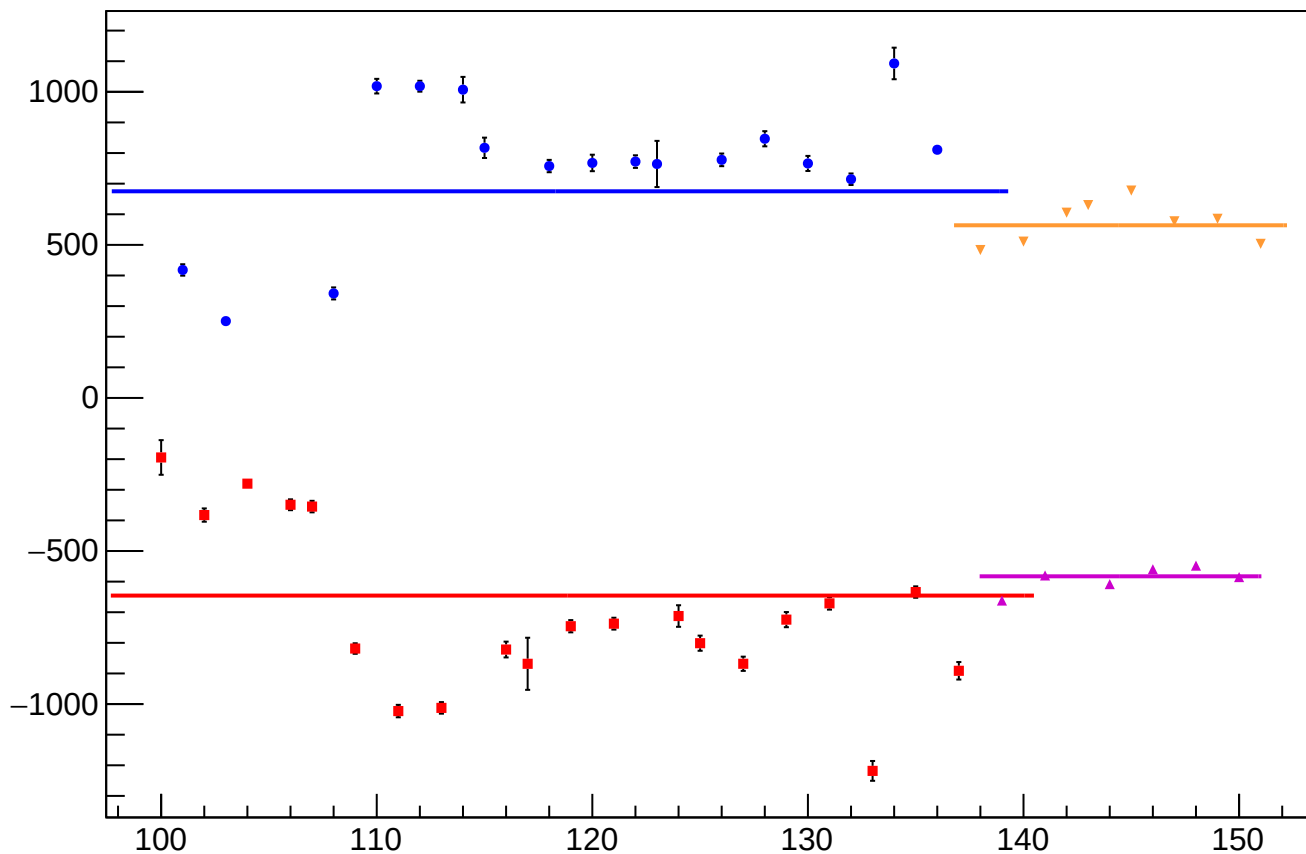
Left In: -23.695 ± 2.277 $\chi^2/\text{NDF}: 74.1/5$

4.848 ± 1.671 $\chi^2/\text{NDF}: 627.4/24$

-2.048 ± 1.197 $\chi^2/\text{NDF}: 1198.9/50$

-9.308 ± 1.715 $\chi^2/\text{NDF}: 536.5/25$

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 675.045 $\pm$ 5.067 χ^2/NDF : 2584.3/16

Left Out: 564.012 $\pm$ 3.249 χ^2/NDF :332.6/7

Right Out: -645.613 $\pm$ 4.754 χ^2/NDF : 3129.0/19

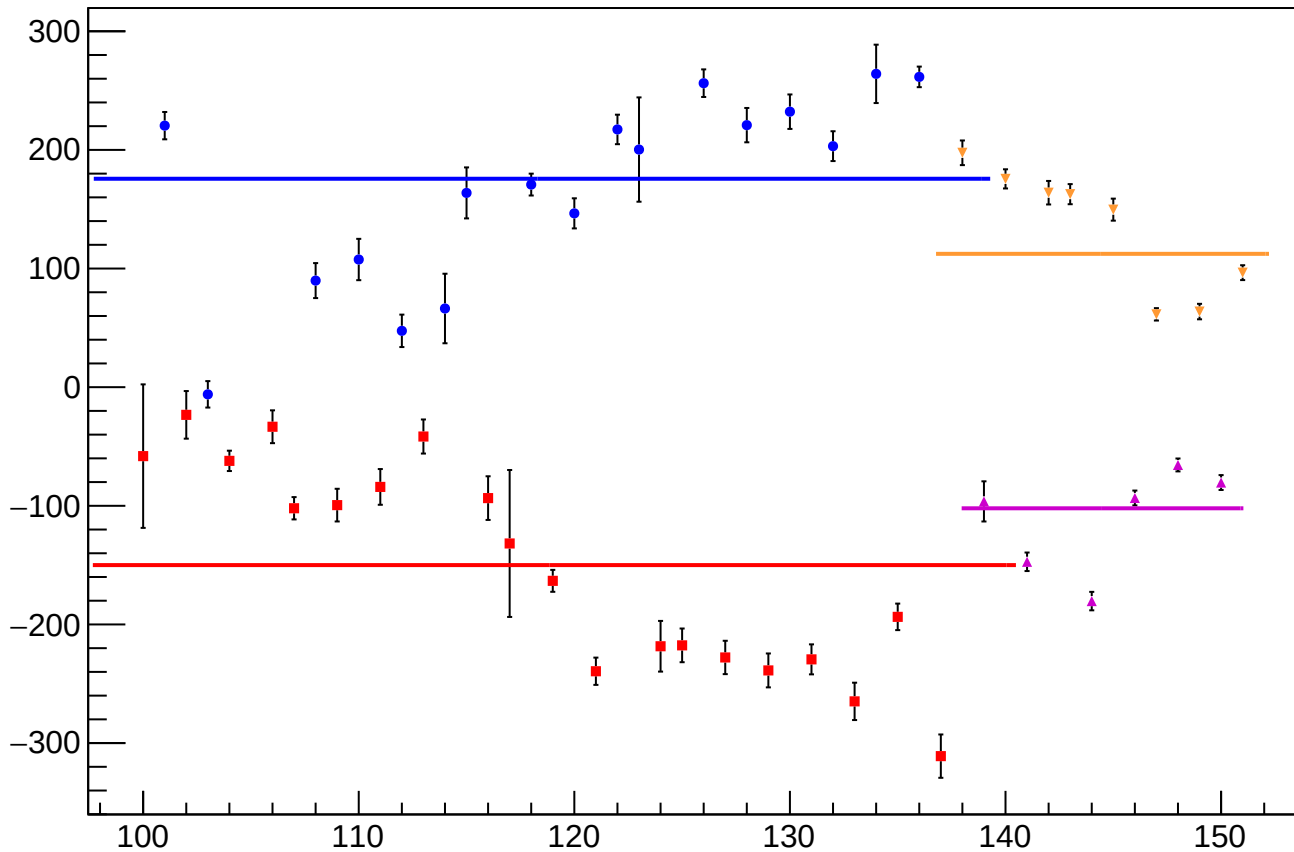
Left In: -582.660 $\pm$ 3.518 χ^2/NDF :92.0/5

596.361 $\pm$ 2.735 χ^2/NDF : 3257.2/24

15.726 $\pm$ 1.966 χ^2/NDF : 99828.1/50

-604.937 $\pm$ 2.828 χ^2/NDF : 3334.4/25

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 175.686 $\pm$ 3.239 χ^2/NDF : 637.9/16

Left Out: 112.392 $\pm$ 2.618 χ^2/NDF :364.1/7

Right Out: -149.973 $\pm$ 3.038 χ^2/NDF : 693.8/19

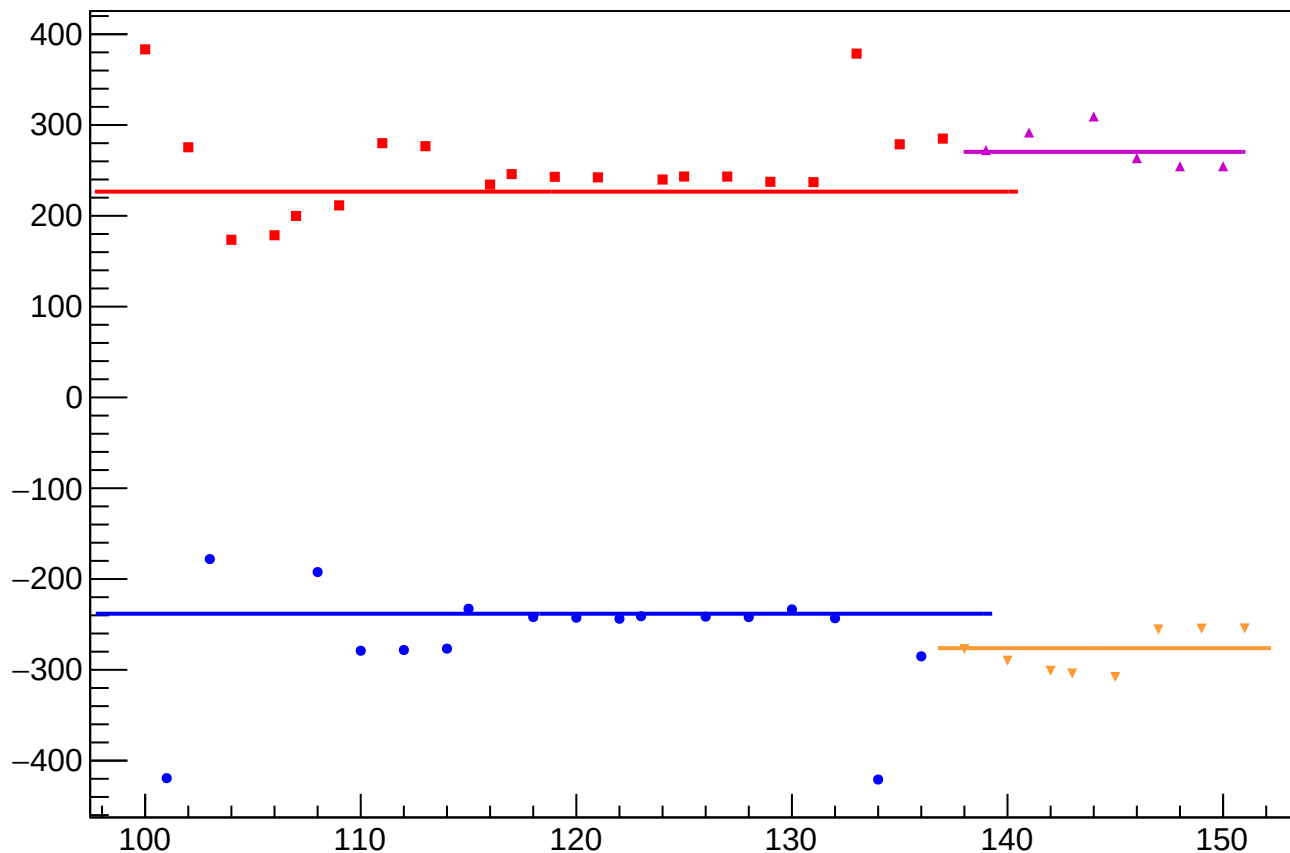
Left In: -102.103 $\pm$ 2.871 χ^2/NDF :193.7/5

137.406 $\pm$ 2.036 χ^2/NDF : 1233.0/24

9.586 $\pm$ 1.457 χ^2/NDF : 10333.1/50

-124.684 $\pm$ 2.087 χ^2/NDF : 1018.7/25

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.217 ± 0.160 χ^2/NDF : 167120.0/16

Left Out: -276.123 ± 0.139 χ^2/NDF : 24423.5/7

Right Out: 226.626 ± 0.151 χ^2/NDF : 102587.0/19

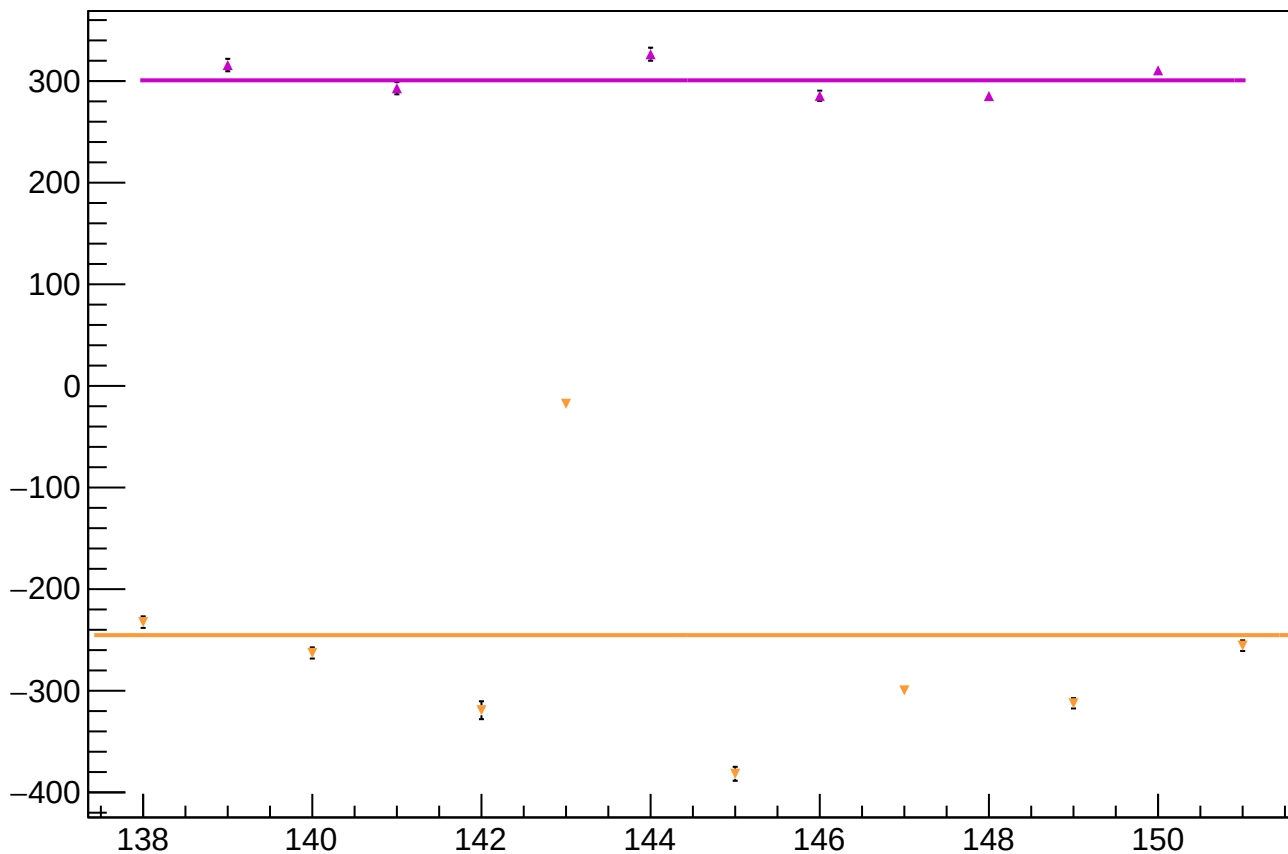
Left In: 270.437 ± 0.147 χ^2/NDF : 16501.8/5

-259.915 ± 0.105 χ^2/NDF : 223489.2/24

-6.732 ± 0.074 χ^2/NDF : 12092190.1/50

249.096 ± 0.105 χ^2/NDF : 162198.3/25

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: -245.242 +/- 1.974 χ^2/NDF : 2900.3/7

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

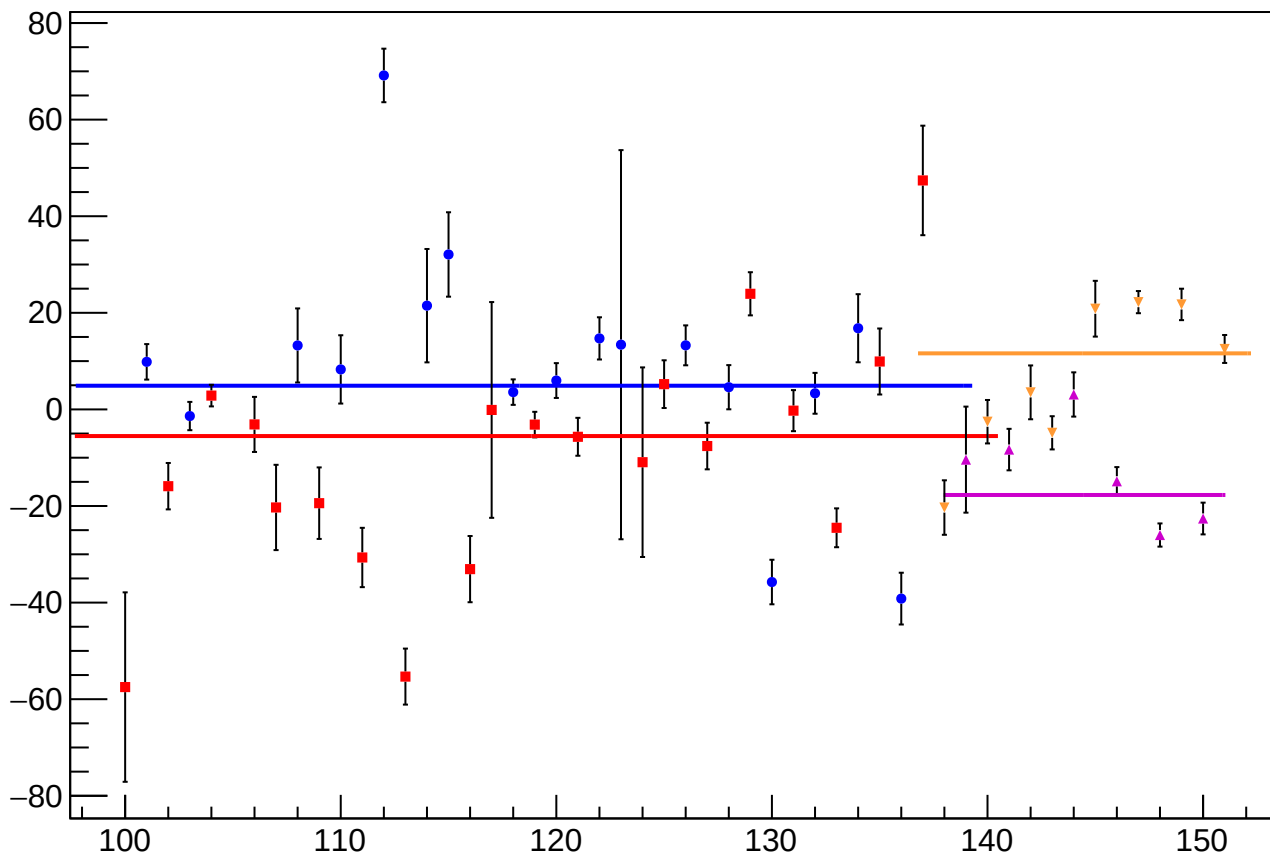
Left In: 300.728 +/- 2.238 χ^2/NDF : 46.4/5

-245.242 +/- 1.974 χ^2/NDF : 2900.3/7

-6.329 +/- 1.481 χ^2/NDF : 36406.1/13

300.728 +/- 2.238 χ^2/NDF : 46.4/5

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.905 ± 1.105 χ^2/NDF : 311.7/16

Left Out: 11.606 ± 1.259 χ^2/NDF : 100.6/7

Right Out: -5.517 ± 1.067 χ^2/NDF : 239.0/19

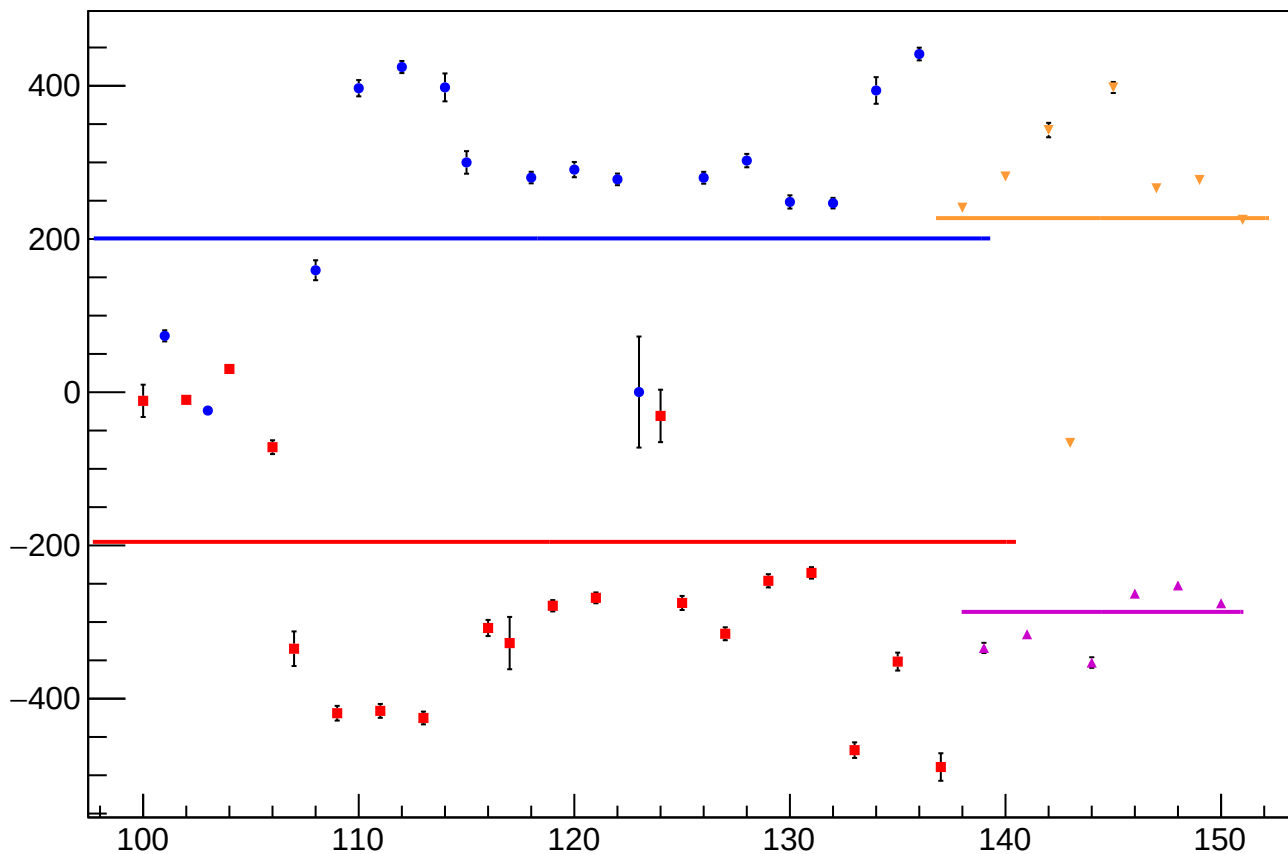
Left In: -17.717 ± 1.425 χ^2/NDF : 40.9/5

7.823 ± 0.831 χ^2/NDF : 428.3/24

-0.789 ± 0.596 χ^2/NDF : 976.4/50

-9.901 ± 0.854 χ^2/NDF : 326.8/25

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 200.773+/-1.983 χ^2/NDF : 6733.0/16

Left Out: 227.299+/-1.980 χ^2/NDF : 4069.5/7

Right Out: -195.311+/-1.921 χ^2/NDF : 8262.1/19

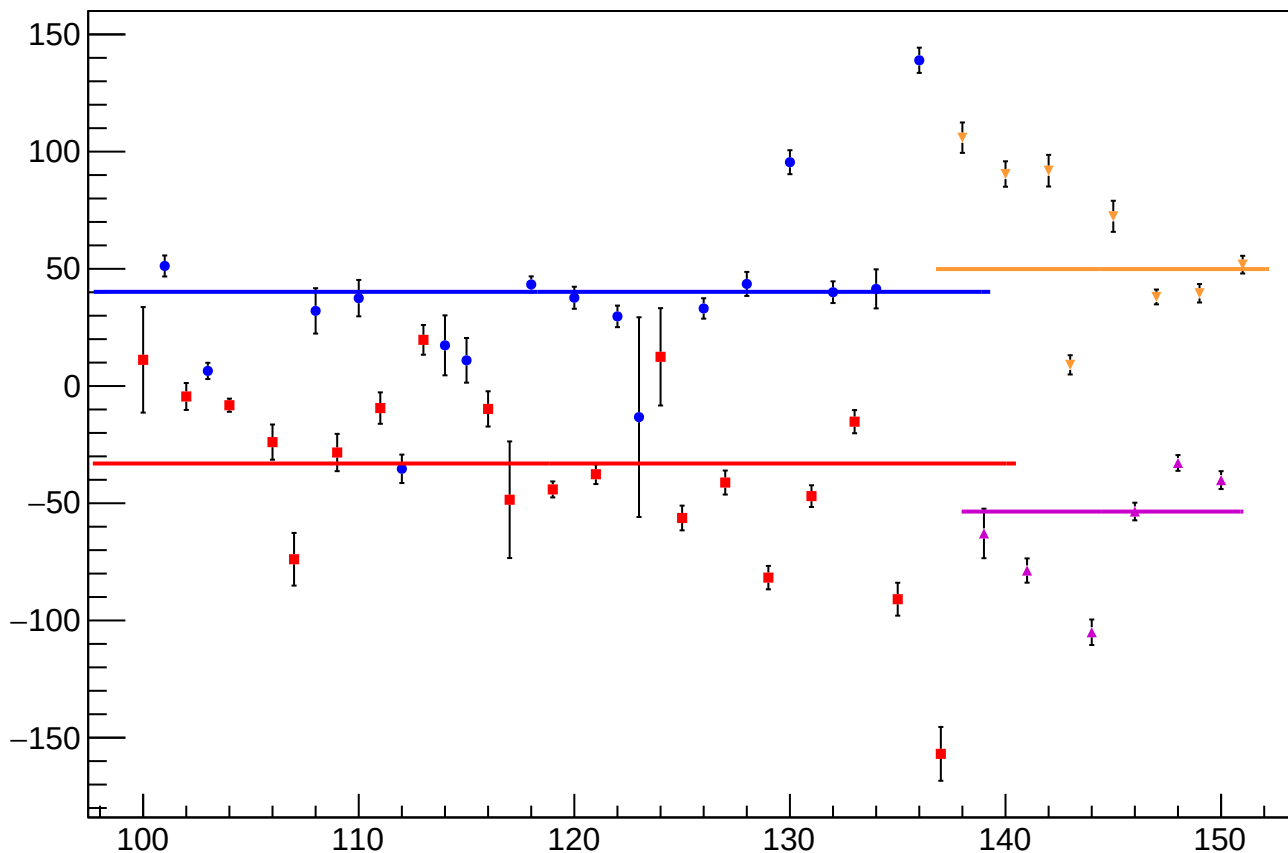
Left In: -286.732+/-2.210 χ^2/NDF : 248.5/5

214.054+/-1.401 χ^2/NDF : 10892.1/24

-2.715+/-1.008 χ^2/NDF : 69906.6/50

-234.662+/-1.450 χ^2/NDF : 9485.7/25

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 40.185+/-1.283 χ^2/NDF : 734.6/16

Left Out: 49.901+/-1.588 χ^2/NDF : 300.9/7

Right Out: -33.045+/-1.249 χ^2/NDF : 553.1/19

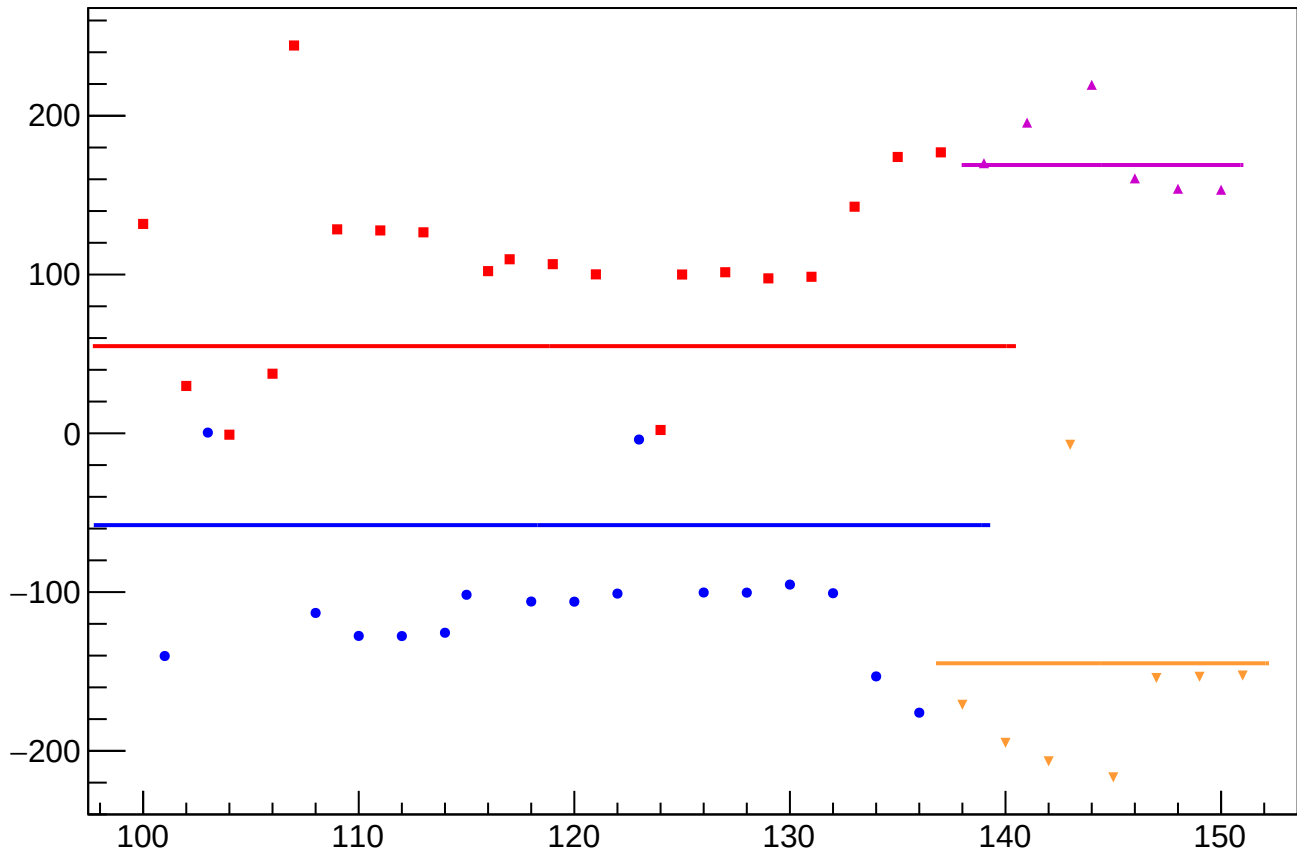
Left In: -53.551+/-1.802 χ^2/NDF : 164.5/5

44.023+/-0.998 χ^2/NDF : 1058.1/24

3.329+/-0.716 χ^2/NDF : 5283.2/50

-39.700+/-1.026 χ^2/NDF : 805.1/25

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -57.821 $\pm$ 0.062 χ^2 /NDF: 1101296.2/16

Left Out: -144.832 $\pm$ 0.084 χ^2 /NDF: 569317.8/7

Right Out: 54.915 $\pm$ 0.060 χ^2 /NDF: 1001968.3/19

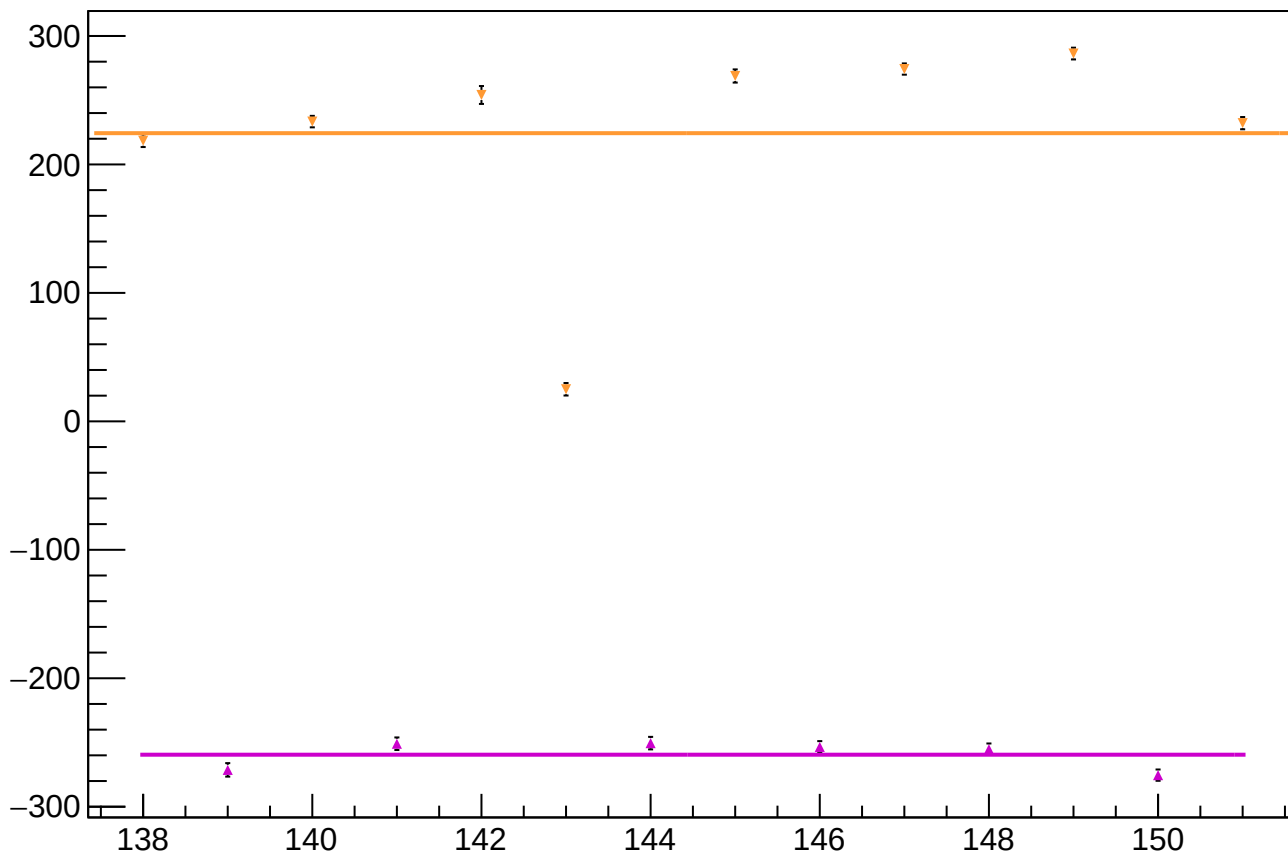
Left In: 168.987 $\pm$ 0.093 χ^2 /NDF: 52301.1/5

-88.200 $\pm$ 0.050 χ^2 /NDF: 2362988.7/24

-0.749 $\pm$ 0.035 χ^2 /NDF: 10715897.8/50

88.834 $\pm$ 0.050 χ^2 /NDF: 2122366.5/25

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 224.345+/-1.727 χ^2/NDF : 2090.1/7

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

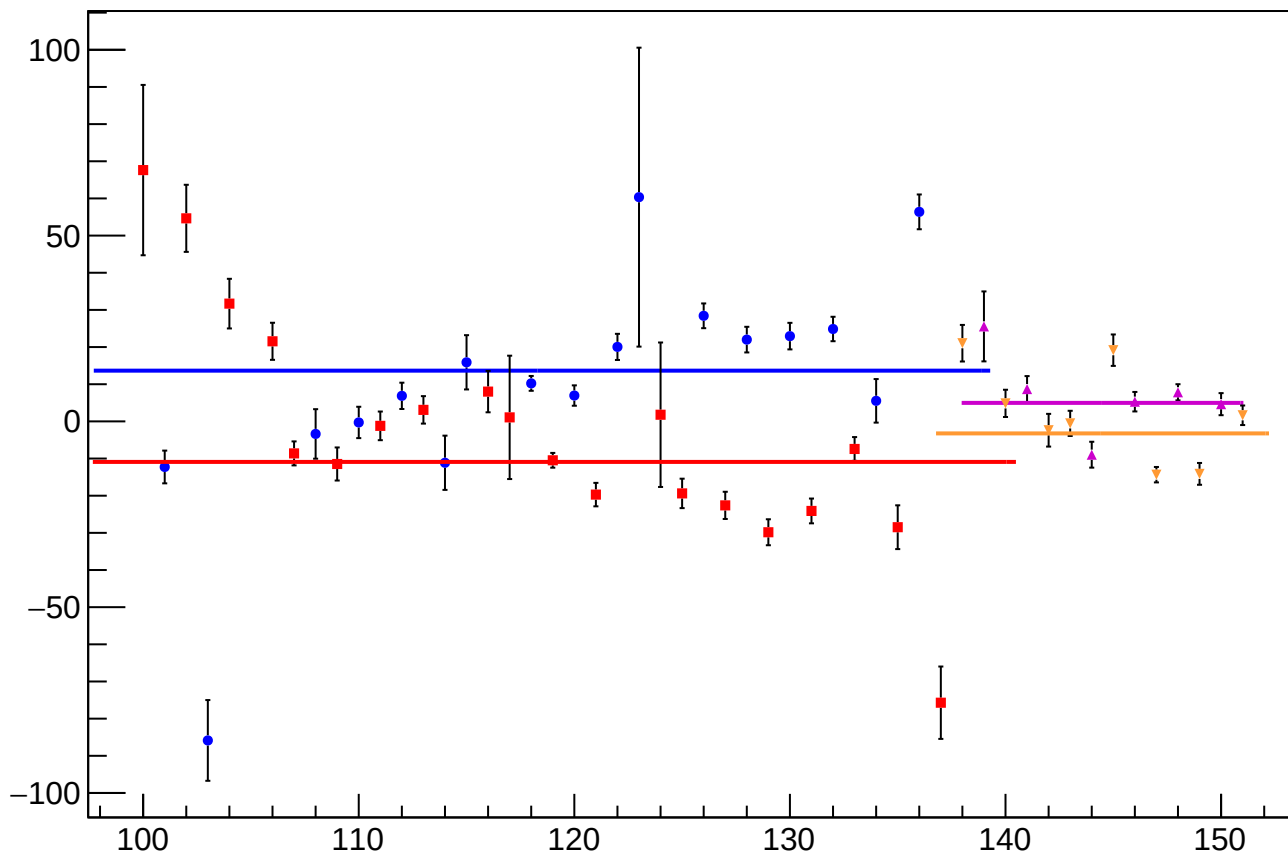
Left In: -259.506+/-1.922 χ^2/NDF : 27.3/5

224.345+/-1.727 χ^2/NDF : 2090.1/7

8.105+/-1.285 χ^2/NDF : 37184.4/13

-259.506+/-1.922 χ^2/NDF : 27.3/5

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: -3.236+/-1.116 χ^2/NDF : 103.7/7

Right Out: -10.908+/-0.912 χ^2/NDF : 303.1/19

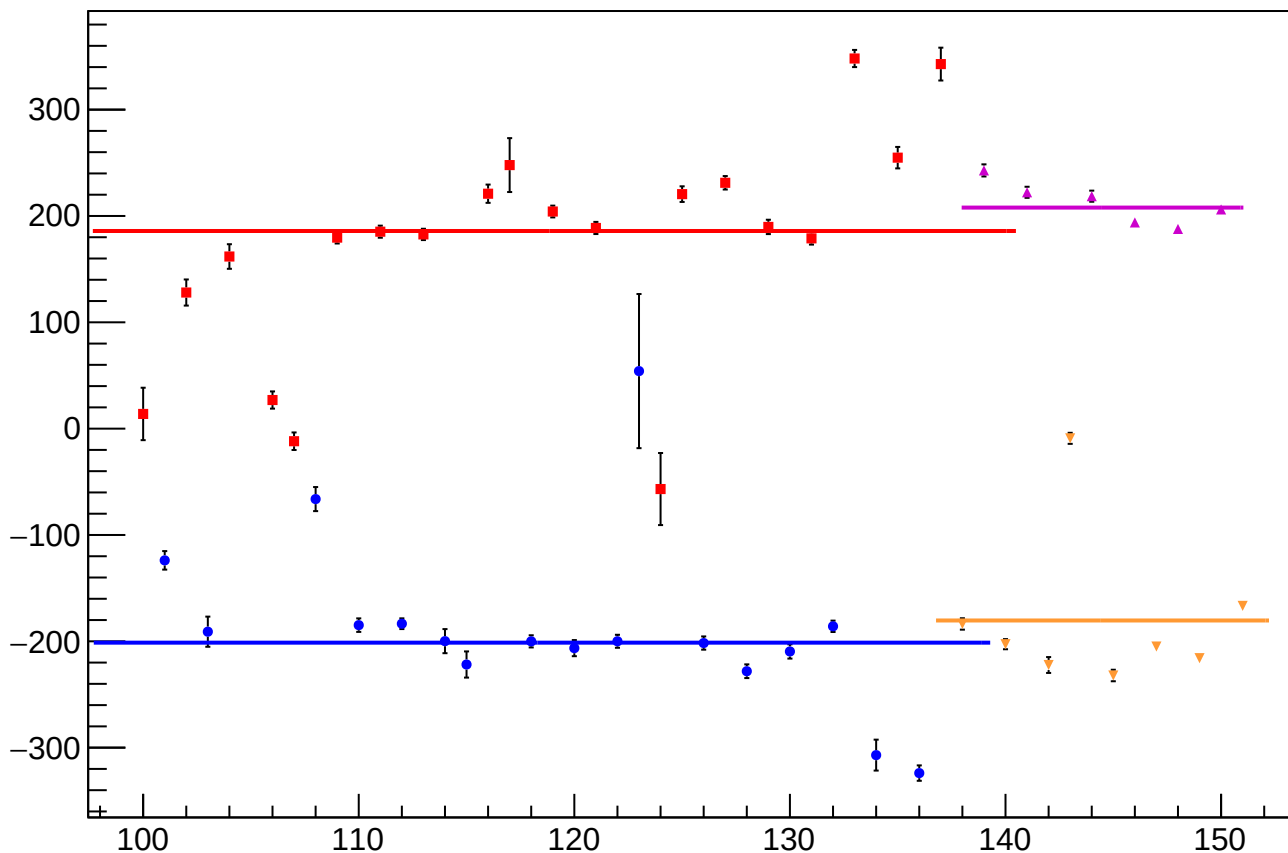
Left In: 4.979+/-1.243 χ^2/NDF : 23.7/5

6.678+/-0.717 χ^2/NDF : 532.1/24

0.812+/-0.513 χ^2/NDF : 1102.2/50

-5.352+/-0.735 χ^2/NDF : 432.9/25

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: -180.412 ± 1.740 χ^2/NDF : 1343.8/7

Right Out: 185.871 ± 1.695 χ^2/NDF : 1752.0/19

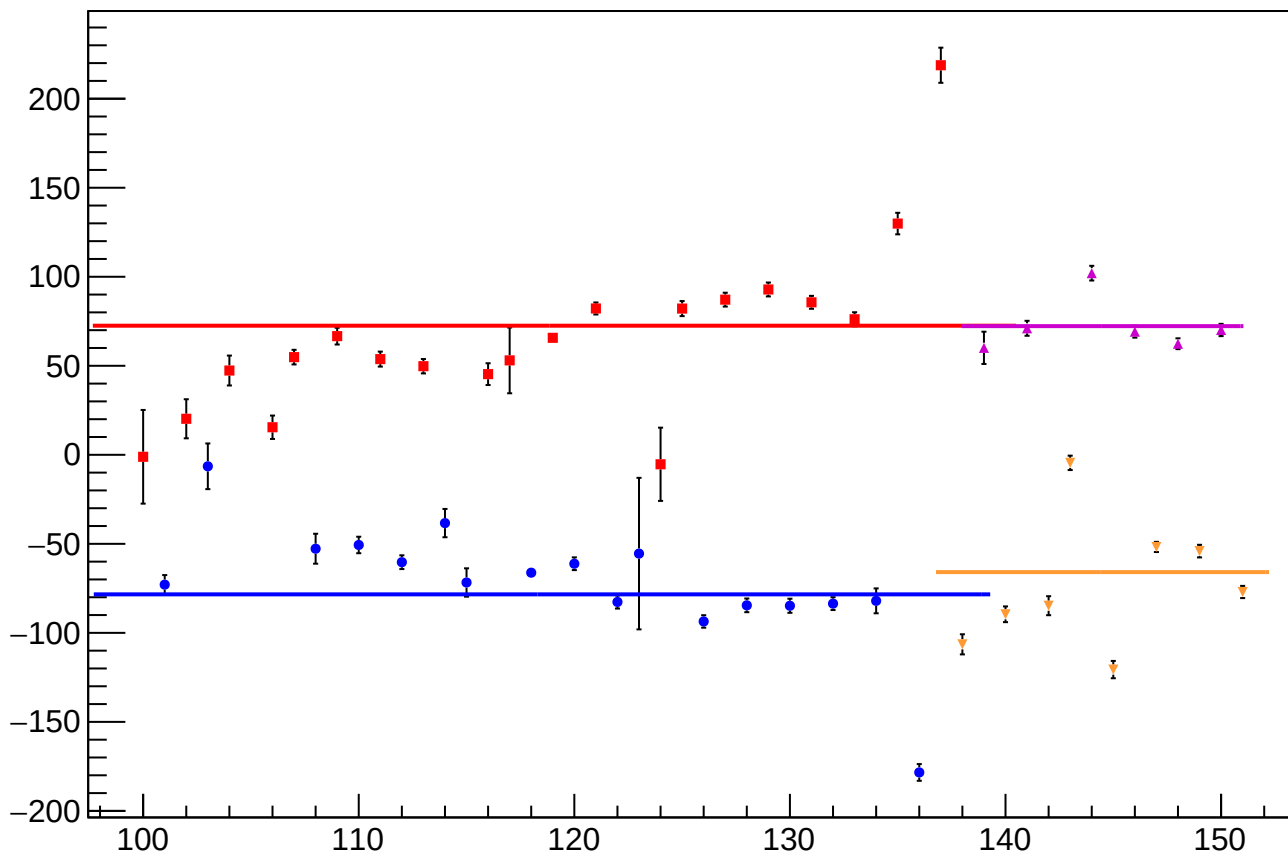
Left In: 207.886 ± 1.909 χ^2/NDF : 83.1/5

-190.510 ± 1.249 χ^2/NDF : 2036.8/24

-0.295 ± 0.890 χ^2/NDF : 50995.9/50

195.577 ± 1.268 χ^2/NDF : 1909.5/25

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: -65.876 ± 1.404 χ^2/NDF : 495.6/7

Right Out: 72.514 ± 1.050 χ^2/NDF : 607.0/19

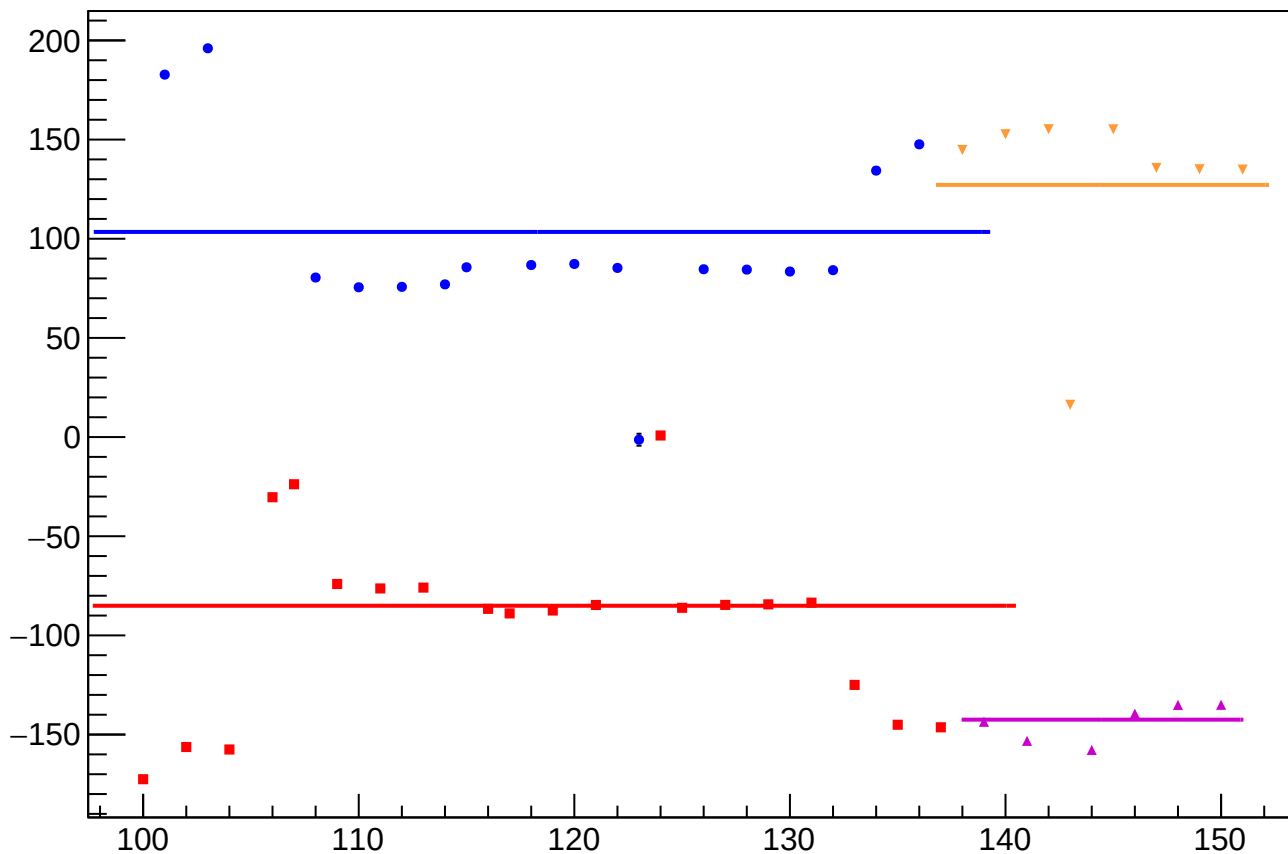
Left In: 72.271 ± 1.564 χ^2/NDF : 65.7/5

-73.721 ± 0.857 χ^2/NDF : 1196.7/24

-1.910 ± 0.611 χ^2/NDF : 16172.1/50

72.438 ± 0.872 χ^2/NDF : 672.7/25

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 103.436+/-0.071 χ^2/NDF : 272785.6/16

Left Out: 127.151+/-0.074 χ^2/NDF : 337560.2/7

Right Out: -85.054+/-0.064 χ^2/NDF : 422354.0/19

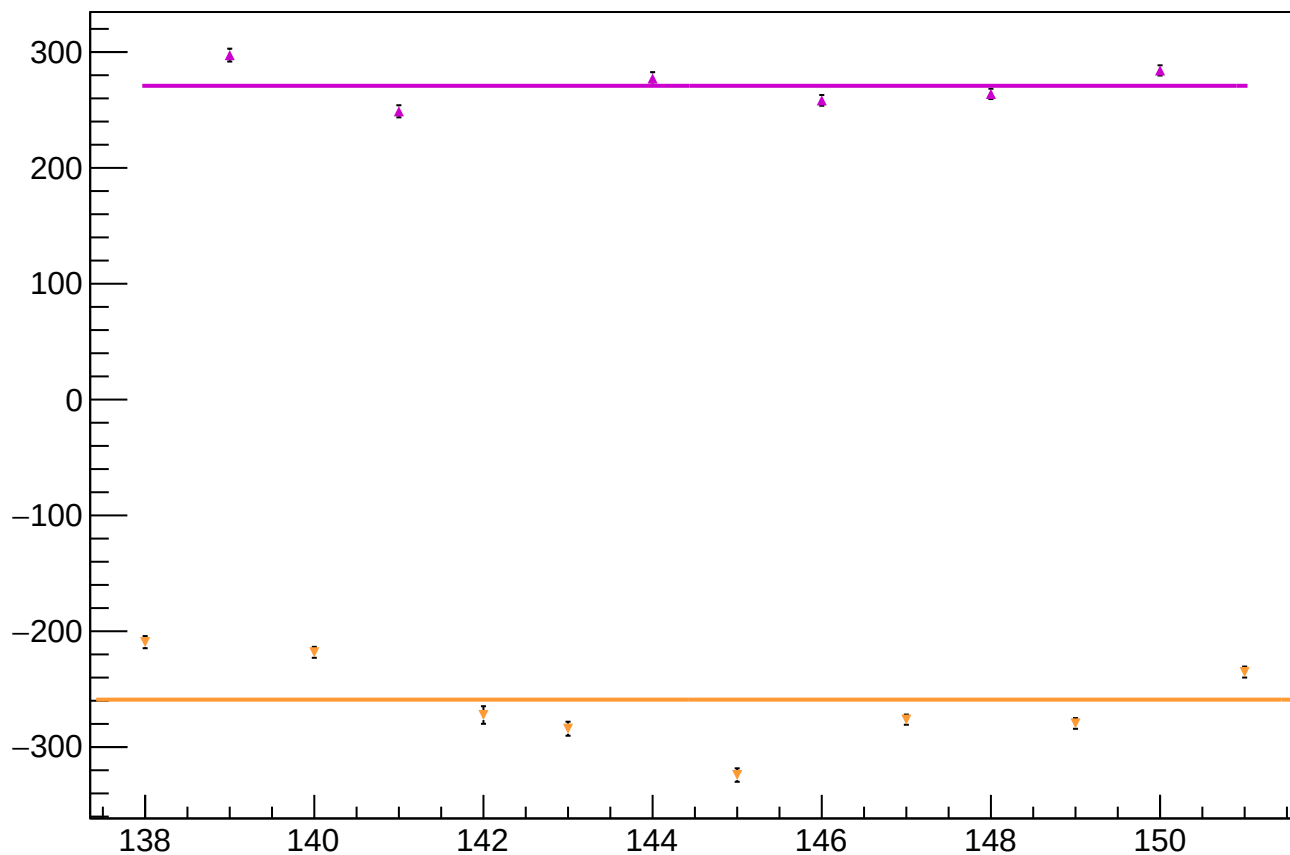
Left In: -142.491+/-0.080 χ^2/NDF : 10907.5/5

114.798+/-0.051 χ^2/NDF : 663977.8/24

0.709+/-0.036 χ^2/NDF : 11098501.3/50

-107.347+/-0.050 χ^2/NDF : 749362.8/25

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: -259.032+/-1.830 χ^2/NDF : 370.2/7

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

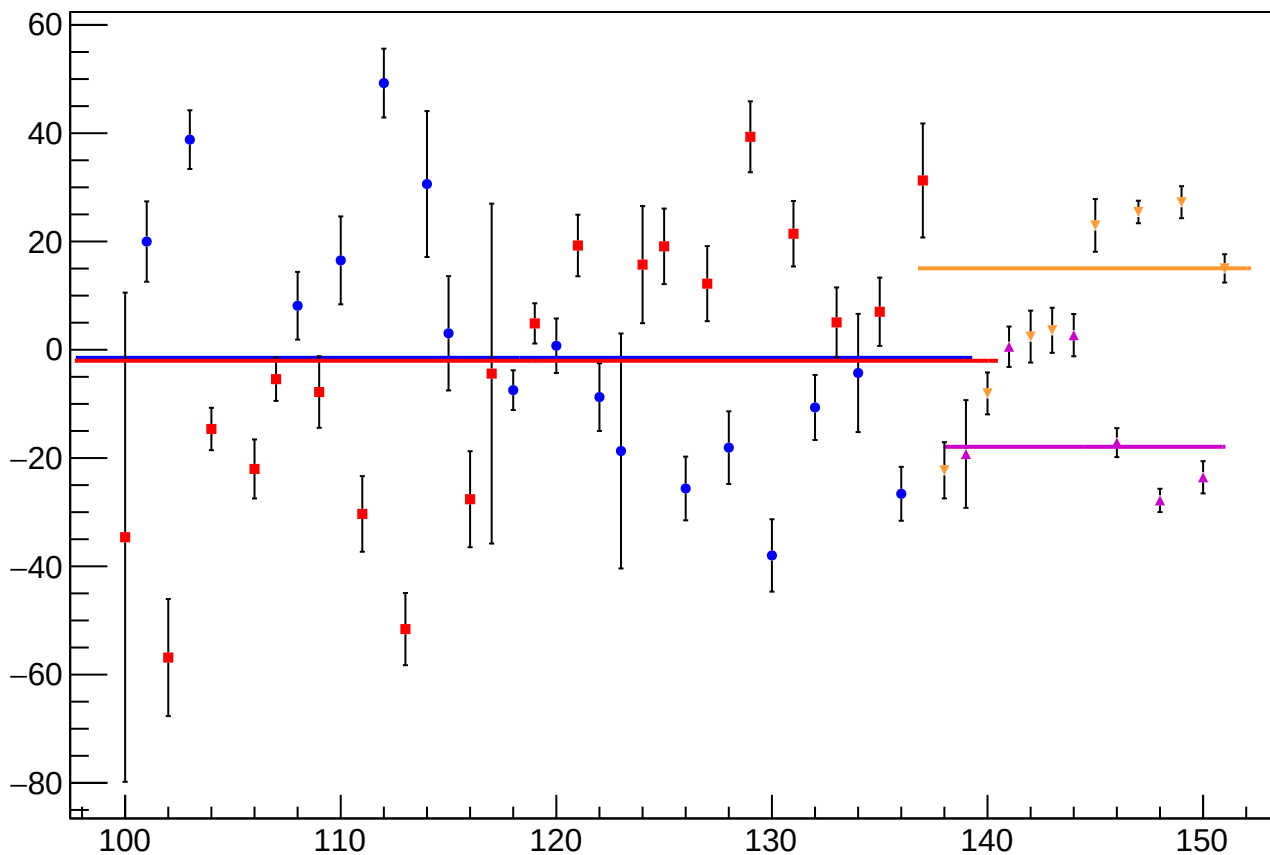
Left In: 270.882+/-1.995 χ^2/NDF : 60.7/5

-259.032+/-1.830 χ^2/NDF : 370.2/7

-16.905+/-1.349 χ^2/NDF : 38740.1/13

270.882+/-1.995 χ^2/NDF : 60.7/5

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.490 ± 1.536 $\chi^2/\text{NDF}: 226.0/16$

Left Out: 15.045 ± 1.163 $\chi^2/\text{NDF}: 146.4/7$

Right Out: -2.032 ± 1.398 $\chi^2/\text{NDF}: 233.3/19$

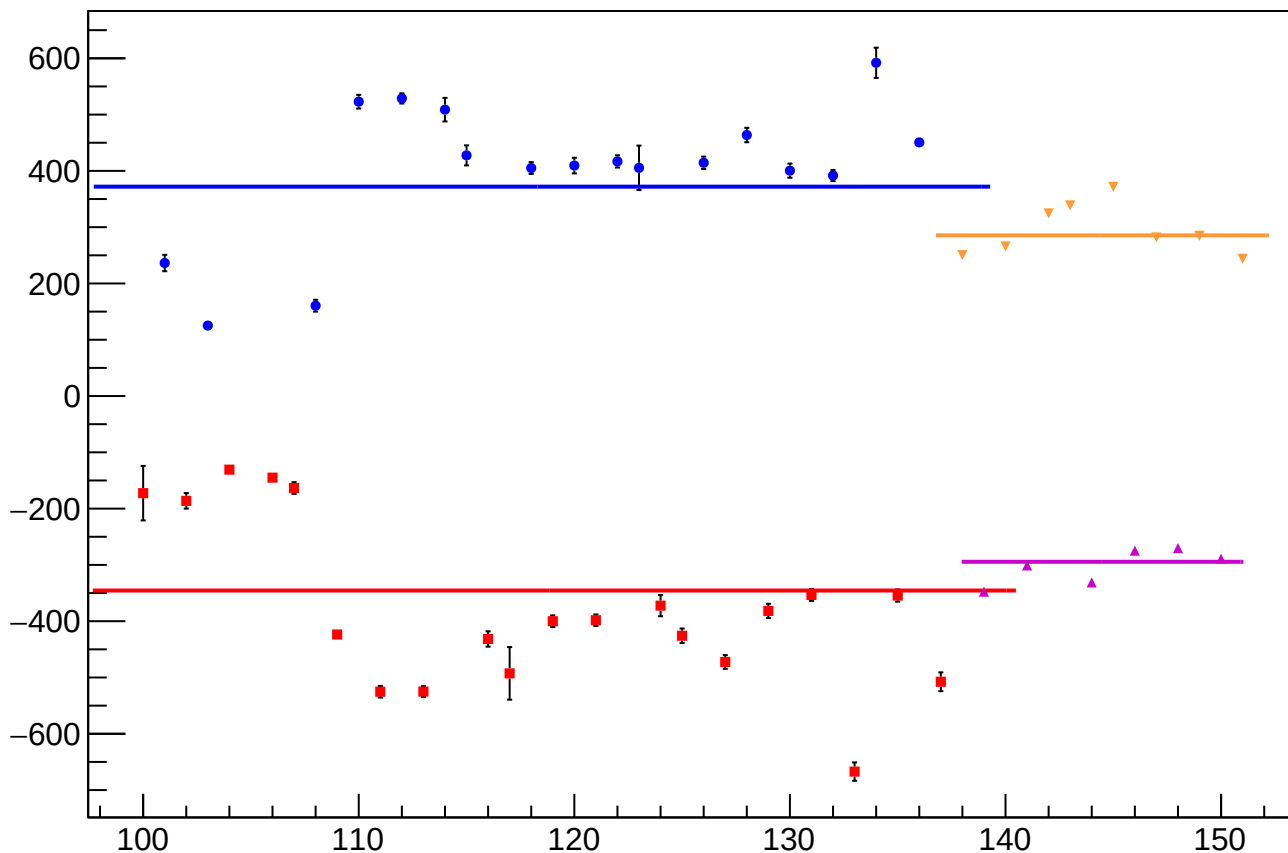
Left In: -17.923 ± 1.273 $\chi^2/\text{NDF}: 77.4/5$

9.018 ± 0.927 $\chi^2/\text{NDF}: 446.0/24$

-0.702 ± 0.661 $\chi^2/\text{NDF}: 1050.3/50$

-10.718 ± 0.941 $\chi^2/\text{NDF}: 381.3/25$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 371.975+/-2.778 χ^2/NDF : 2432.6/16

Left Out: 285.465+/-1.830 χ^2/NDF : 428.8/7

Right Out: -345.485+/-2.558 χ^2/NDF : 3425.1/19

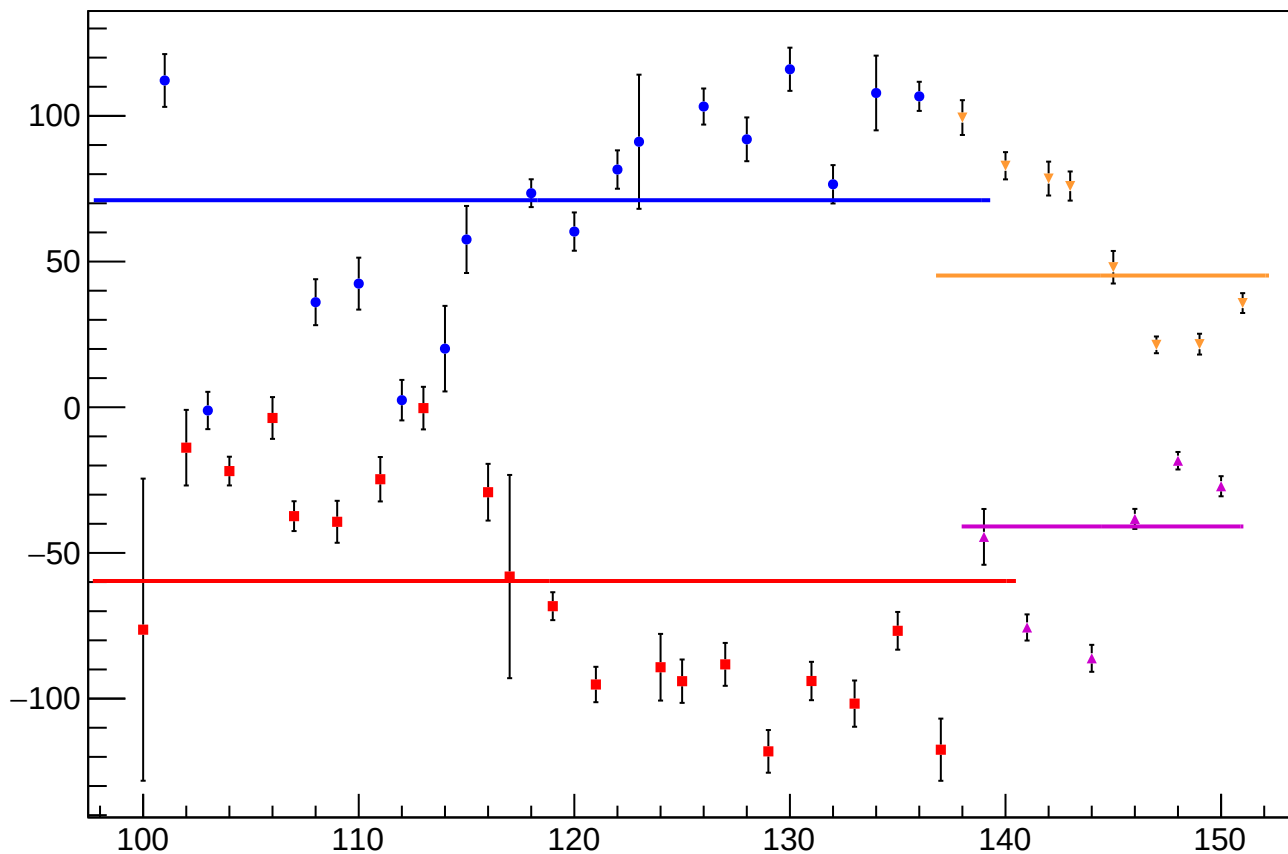
Left In: -294.455+/-1.973 χ^2/NDF : 174.0/5

311.657+/-1.528 χ^2/NDF : 3537.7/24

5.946+/-1.093 χ^2/NDF : 89199.7/50

-313.486+/-1.562 χ^2/NDF : 3848.6/25

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: 45.209+/-1.472 χ^2/NDF : 337.9/7

Right Out: -59.634+/-1.629 χ^2/NDF : 491.6/19

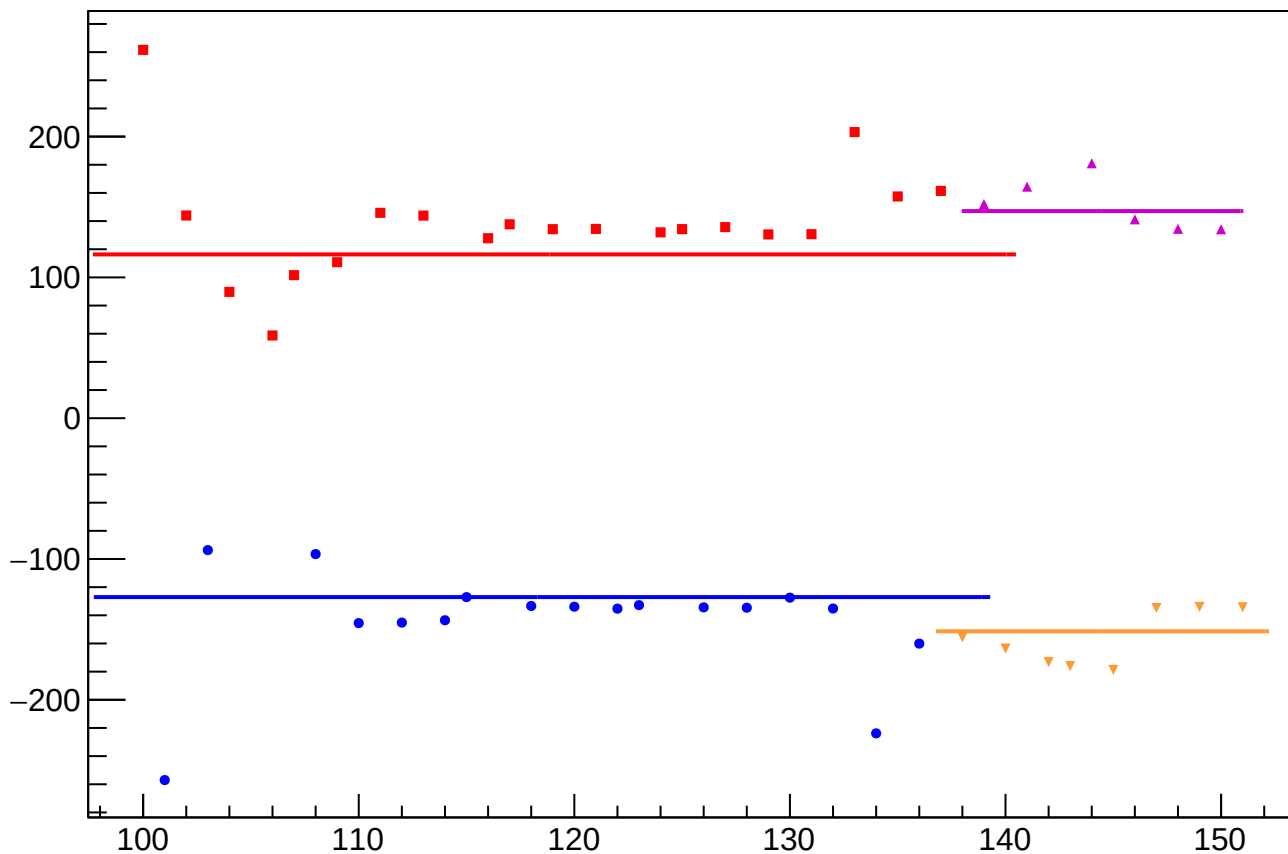
Left In: -40.915+/-1.608 χ^2/NDF : 228.4/5

55.821+/-1.130 χ^2/NDF : 890.7/24

3.492+/-0.804 χ^2/NDF : 6017.7/50

-50.151+/-1.144 χ^2/NDF : 786.9/25

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: -151.337+/-0.078 χ^2/NDF : 53429.5/7

Right Out: 116.327+/-0.083 χ^2/NDF : 167208.7/19

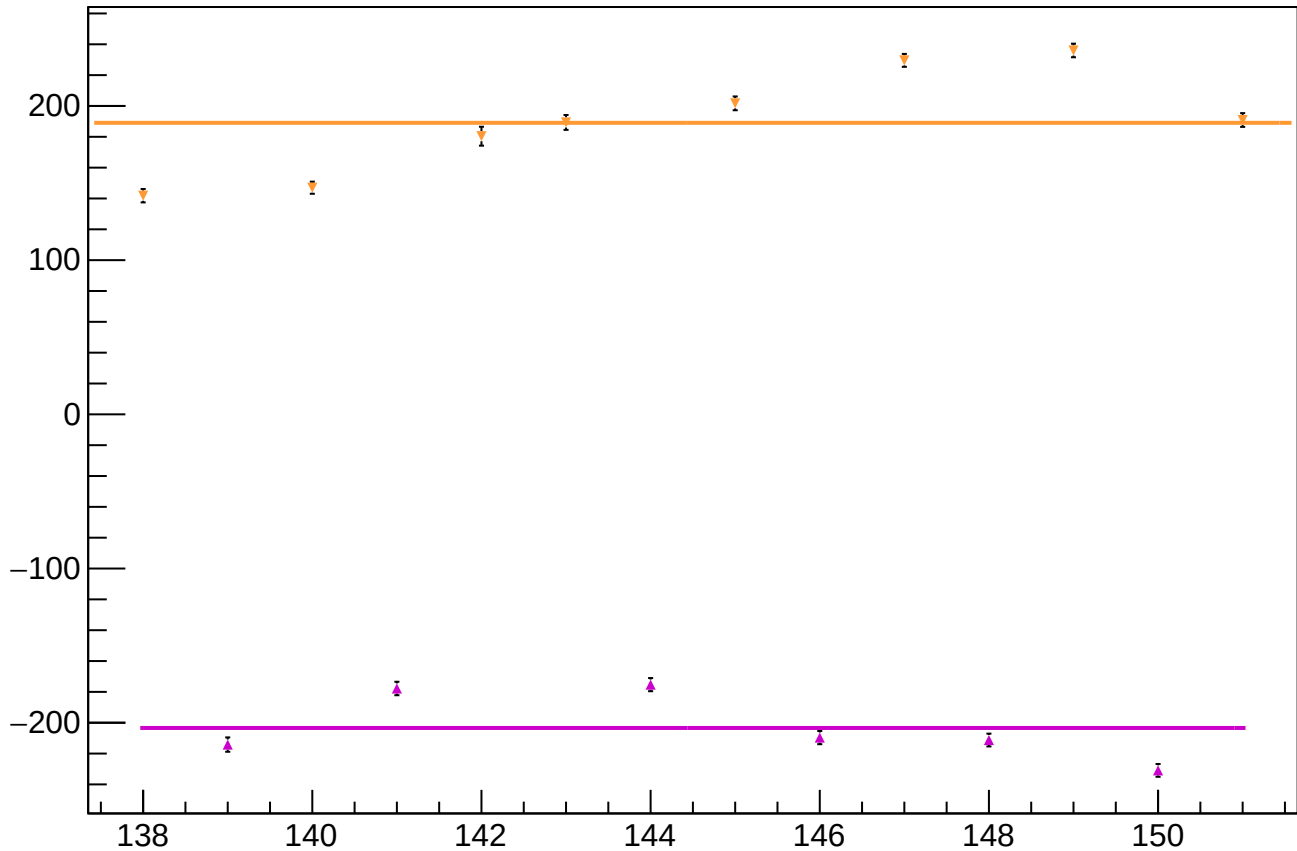
Left In: 147.116+/-0.083 χ^2/NDF : 35462.0/5

-140.840+/-0.059 χ^2/NDF : 262002.9/24

-3.409+/-0.042 χ^2/NDF : 11289317.9/50

131.774+/-0.059 χ^2/NDF : 271836.4/25

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: 189.066+/-1.590 χ^2/NDF : 449.3/7

189.066+/-1.590 χ^2/NDF : 449.3/7

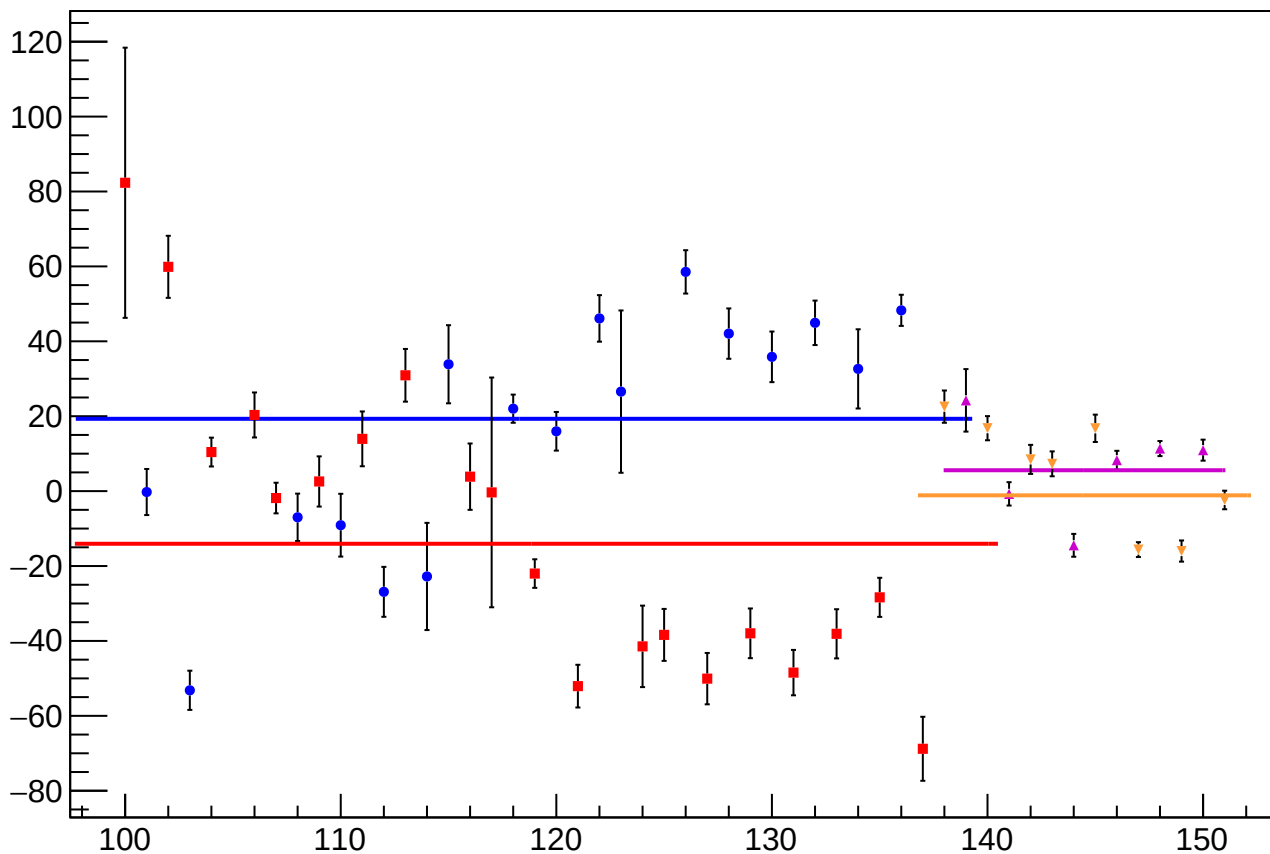
12.584+/-1.180 χ^2/NDF : 27966.7/13

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

-203.398+/-1.759 χ^2/NDF : 132.4/5

Left In: -203.398+/-1.759 χ^2/NDF : 132.4/5

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: -1.123 ± 1.040 $\chi^2/\text{NDF}: 179.0/7$

Right Out: -14.055 ± 1.388 $\chi^2/\text{NDF}: 437.1/19$

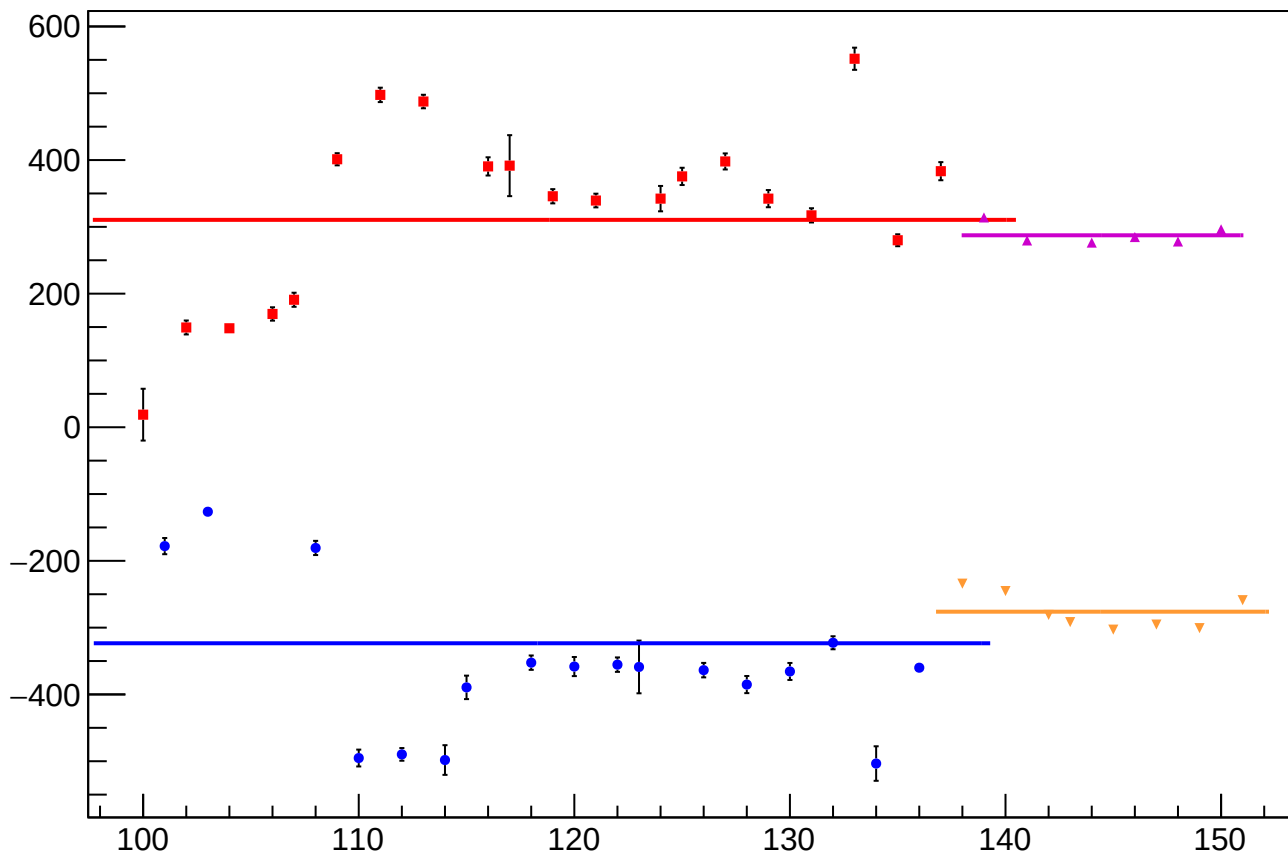
Left In: 5.573 ± 1.149 $\chi^2/\text{NDF}: 65.3/5$

5.508 ± 0.855 $\chi^2/\text{NDF}: 745.5/24$

1.689 ± 0.615 $\chi^2/\text{NDF}: 1407.9/50$

-2.408 ± 0.885 $\chi^2/\text{NDF}: 621.0/25$

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -323.402 ± 2.684 χ^2/NDF : 1849.6/16

Left Out: -276.128 ± 1.608 χ^2/NDF : 251.7/7

Right Out: 310.484 ± 2.520 χ^2/NDF : 2302.0/19

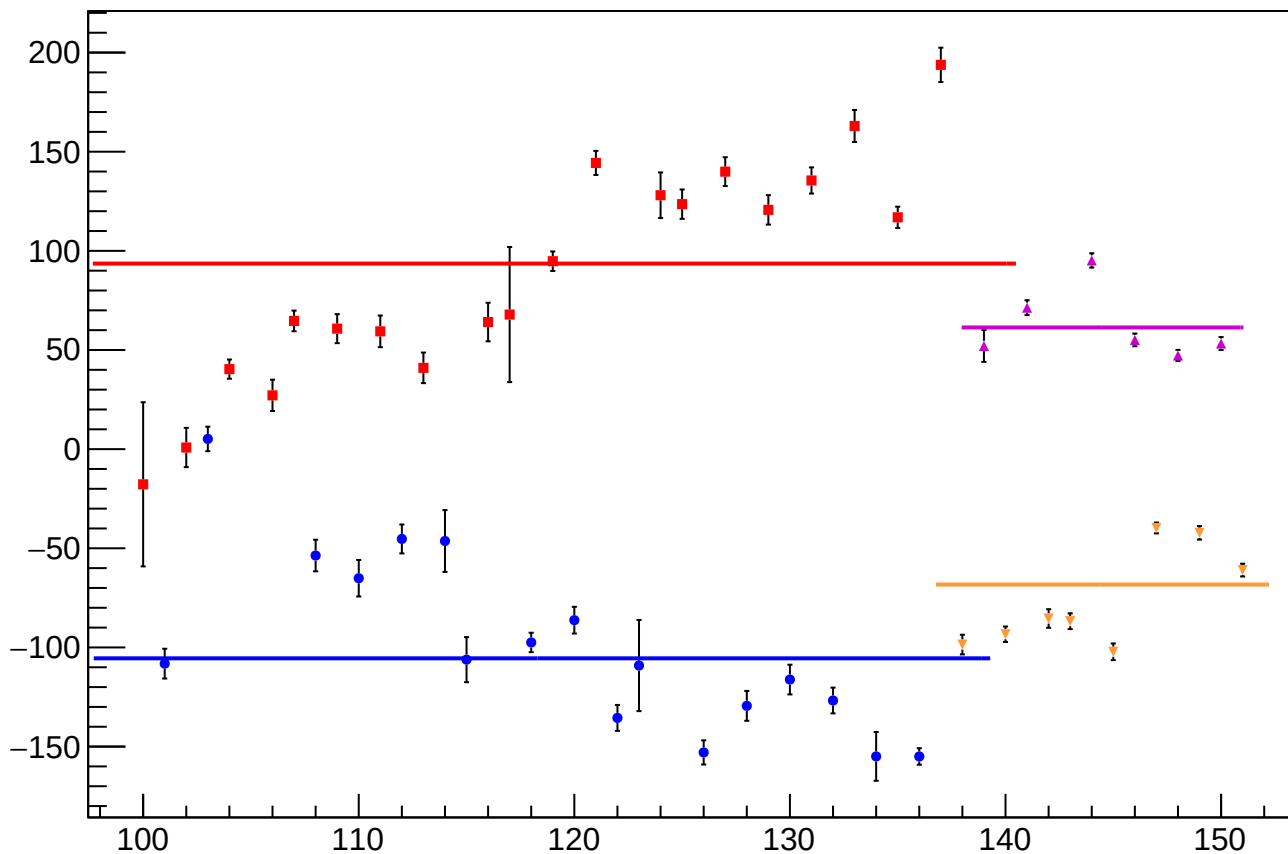
Left In: 287.375 ± 1.755 χ^2/NDF : 47.9/5

-288.618 ± 1.380 χ^2/NDF : 2329.5/24

-9.358 ± 0.996 χ^2/NDF : 90357.4/50

294.925 ± 1.440 χ^2/NDF : 2406.5/25

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: -68.286 ± 1.305 χ^2/NDF : 350.8/7

Right Out: 93.579 ± 1.608 χ^2/NDF : 827.7/19

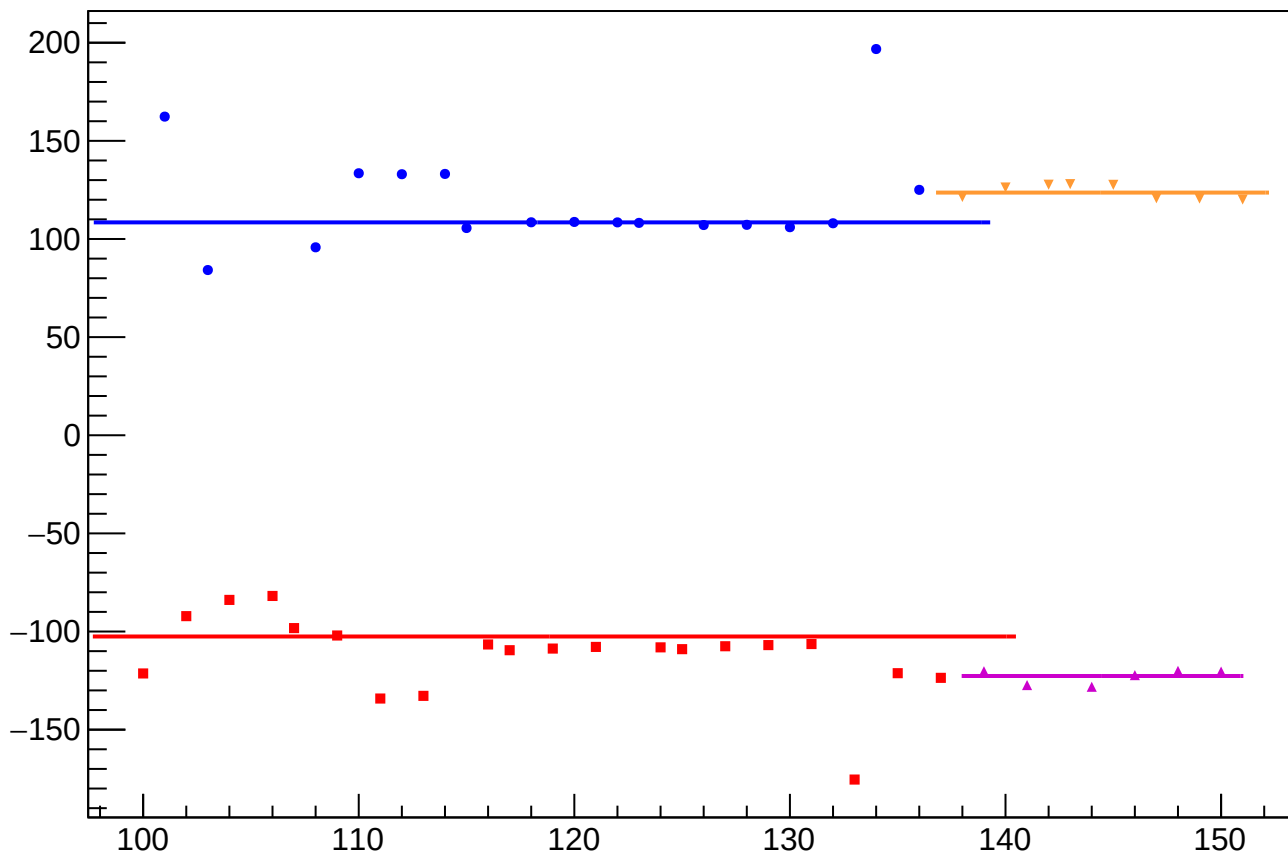
Left In: 61.367 ± 1.443 χ^2/NDF : 131.0/5

-81.963 ± 1.038 χ^2/NDF : 1386.9/24

-5.804 ± 0.746 χ^2/NDF : 13715.9/50

75.727 ± 1.074 χ^2/NDF : 1181.0/25

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: 123.644 ± 0.068 χ^2/NDF : 2361.4/7

Right Out: -102.532 ± 0.079 χ^2/NDF : 53003.2/19

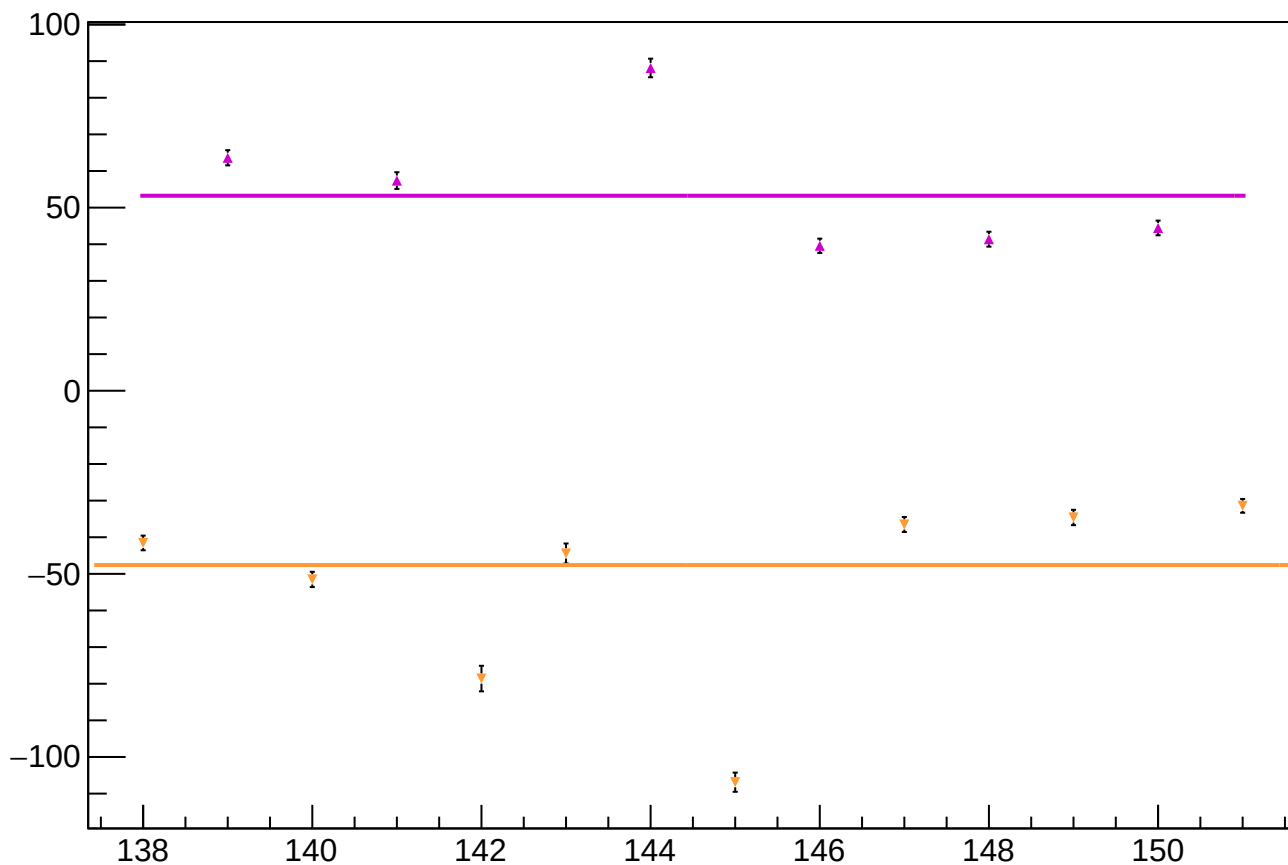
Left In: -122.657 ± 0.073 χ^2/NDF : 1991.1/5

117.694 ± 0.053 χ^2/NDF : 95070.3/24

3.525 ± 0.038 χ^2/NDF : 9504798.8/50

-113.421 ± 0.054 χ^2/NDF : 89677.1/25

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: -47.598+/-0.793 χ^2/NDF : 746.9/7

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

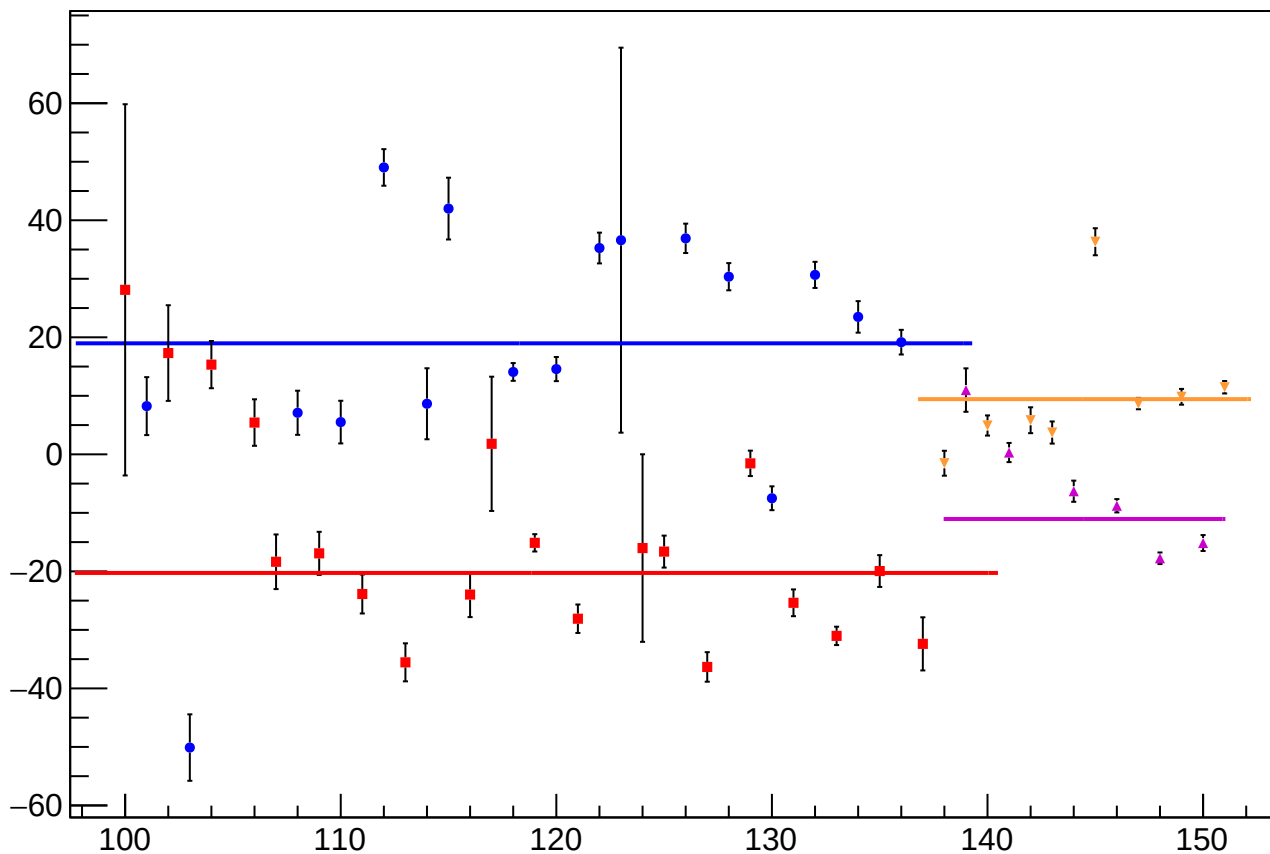
Left In: 53.250+/-0.868 χ^2/NDF : 319.0/5

-47.598+/-0.793 χ^2/NDF : 746.9/7

-1.695+/-0.585 χ^2/NDF : 8427.0/13

53.250+/-0.868 χ^2/NDF : 319.0/5

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: 9.431 ± 0.519 χ^2/NDF : 184.9/7

Right Out: -20.269 ± 0.641 χ^2/NDF : 370.1/19

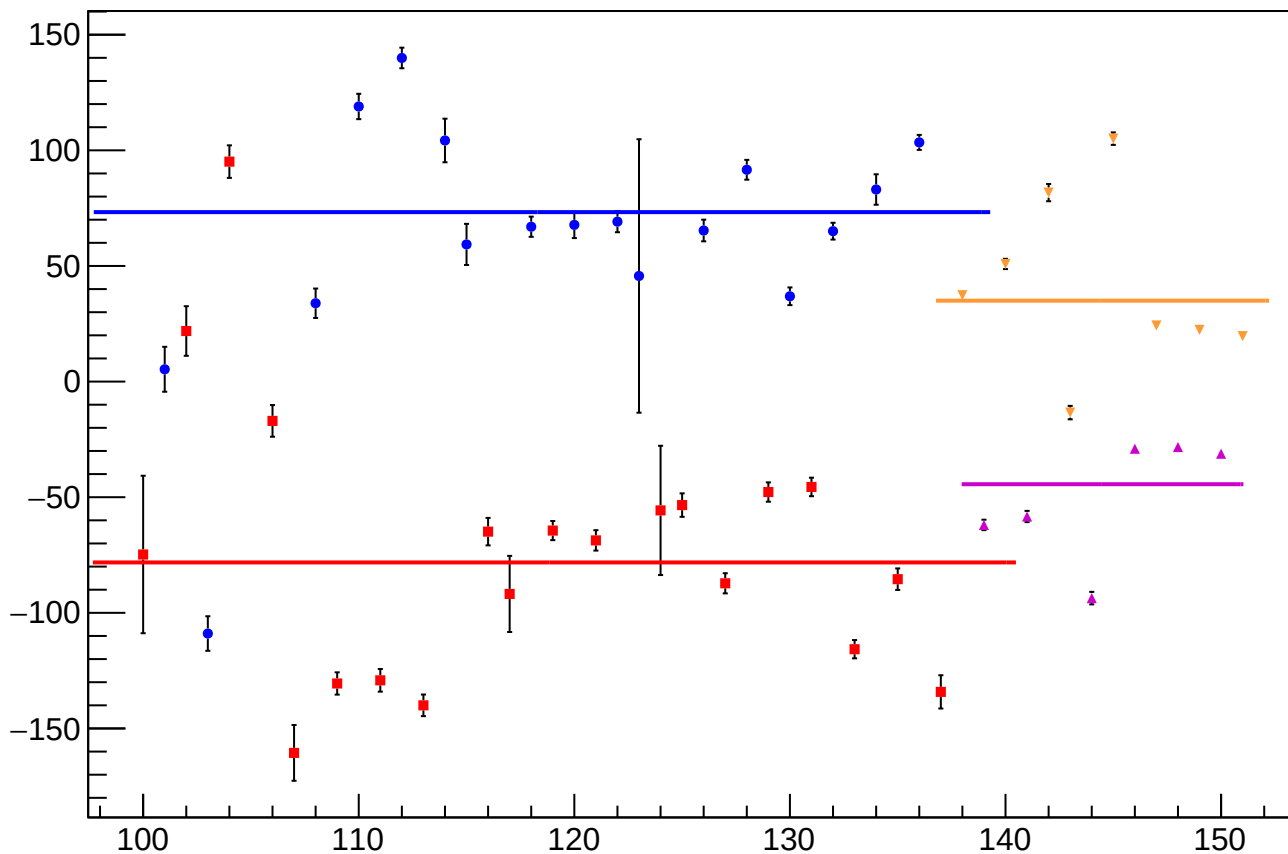
Left In: -11.051 ± 0.570 χ^2/NDF : 149.0/5

13.122 ± 0.406 χ^2/NDF : 934.1/24

-0.327 ± 0.294 χ^2/NDF : 3870.7/50

-15.121 ± 0.426 χ^2/NDF : 634.5/25

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 73.278 ± 1.236 $\chi^2/\text{NDF}: 1198.6/16$

Left Out: 34.988 ± 0.795 $\chi^2/\text{NDF}: 1303.1/7$

Right Out: -78.205 ± 1.219 $\chi^2/\text{NDF}: 1544.0/19$

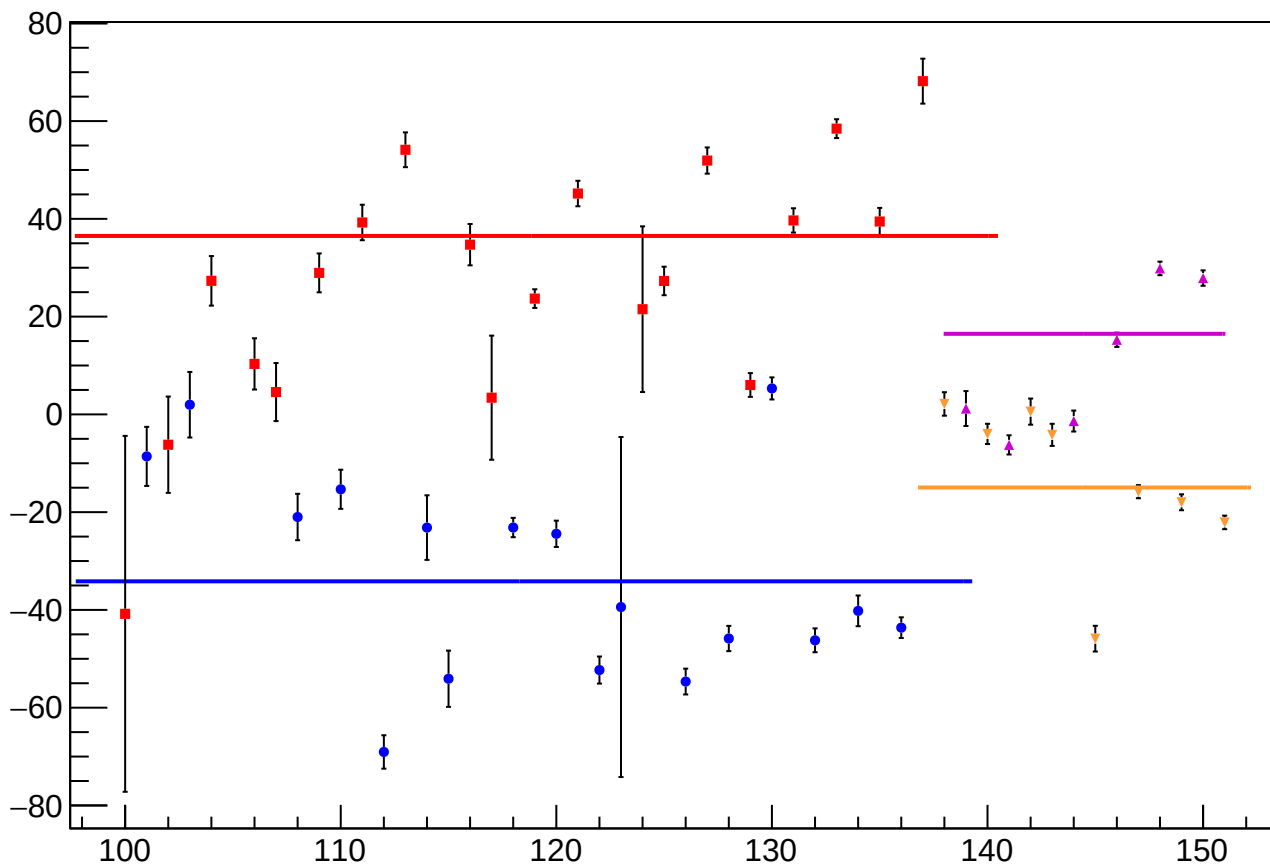
Left In: -44.383 ± 0.862 $\chi^2/\text{NDF}: 610.9/5$

46.185 ± 0.669 $\chi^2/\text{NDF}: 3180.3/24$

-2.120 ± 0.485 $\chi^2/\text{NDF}: 16852.2/50$

-55.658 ± 0.704 $\chi^2/\text{NDF}: 2668.0/25$

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: -14.954 ± 0.654 χ^2/NDF : 303.7/7

Right Out: 36.507 ± 0.735 χ^2/NDF : 553.8/19

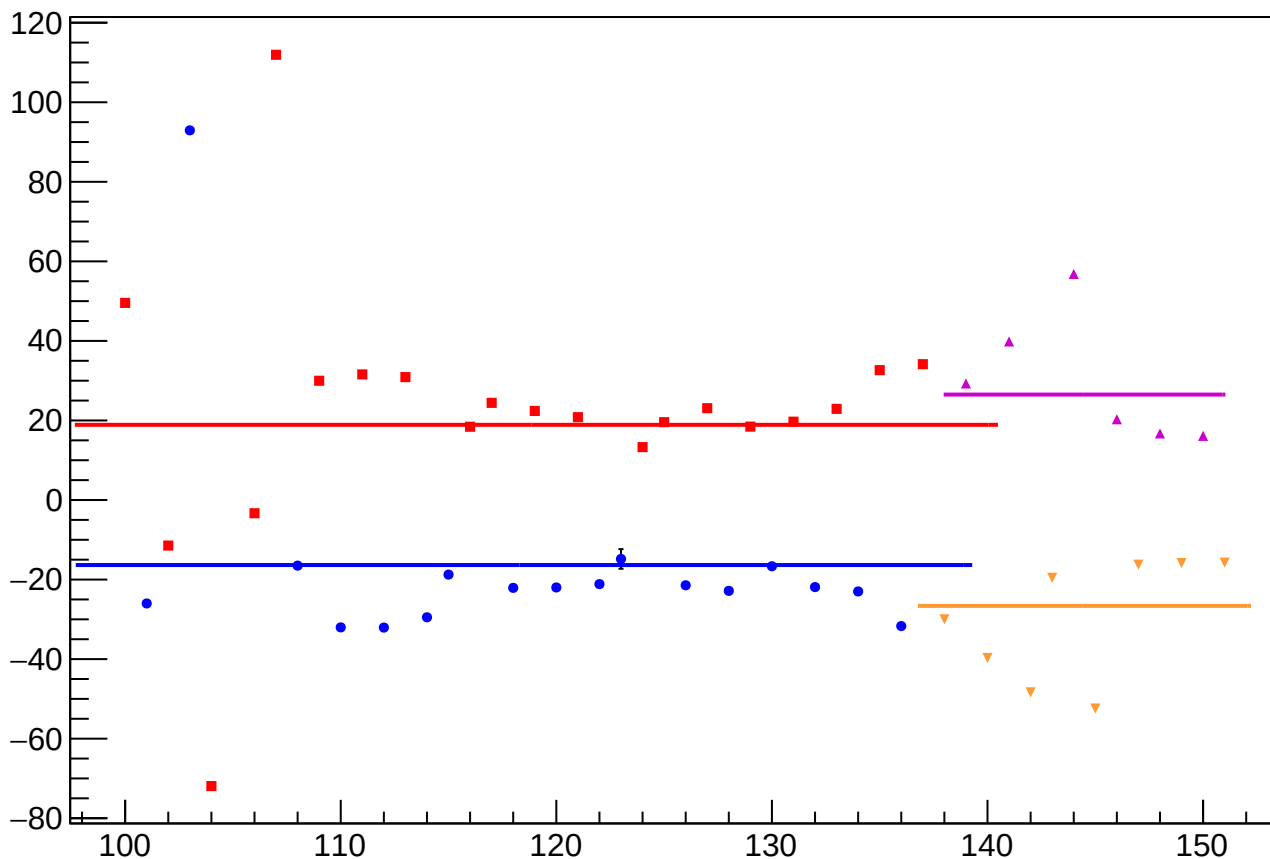
Left In: 16.484 ± 0.717 χ^2/NDF : 367.2/5

-23.306 ± 0.491 χ^2/NDF : 1396.5/24

0.400 ± 0.355 χ^2/NDF : 7565.9/50

26.252 ± 0.513 χ^2/NDF : 1301.6/25

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.349 ± 0.045 $\chi^2/\text{NDF}: 474192.3/16$

Left Out: -26.614 ± 0.034 $\chi^2/\text{NDF}: 151611.9/7$

Right Out: 18.906 ± 0.045 $\chi^2/\text{NDF}: 433847.1/19$

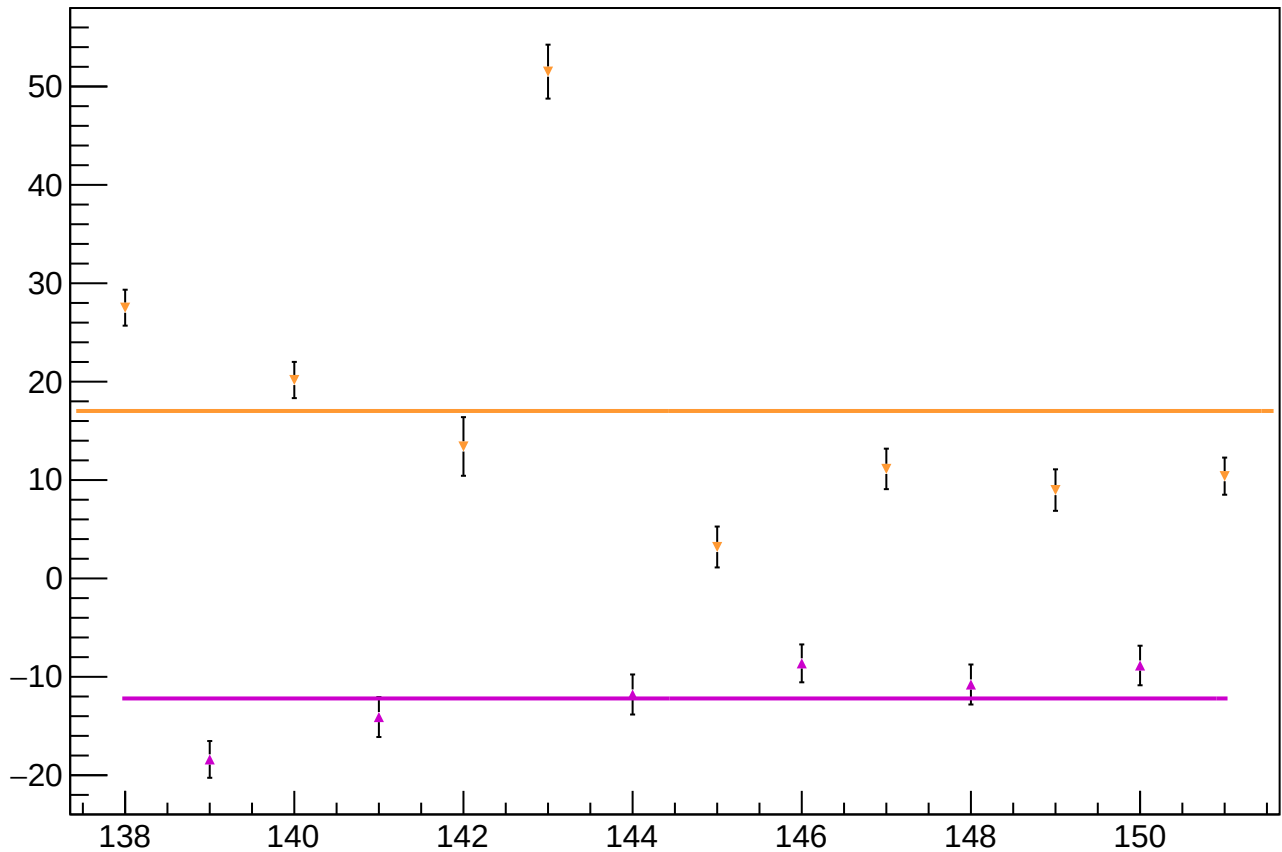
Left In: 26.510 ± 0.036 $\chi^2/\text{NDF}: 121628.2/5$

-22.886 ± 0.027 $\chi^2/\text{NDF}: 659473.2/24$

-0.619 ± 0.019 $\chi^2/\text{NDF}: 2661897.7/50$

23.583 ± 0.028 $\chi^2/\text{NDF}: 572871.3/25$

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: 17.020+/-0.742 χ^2/NDF : 275.0/7

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

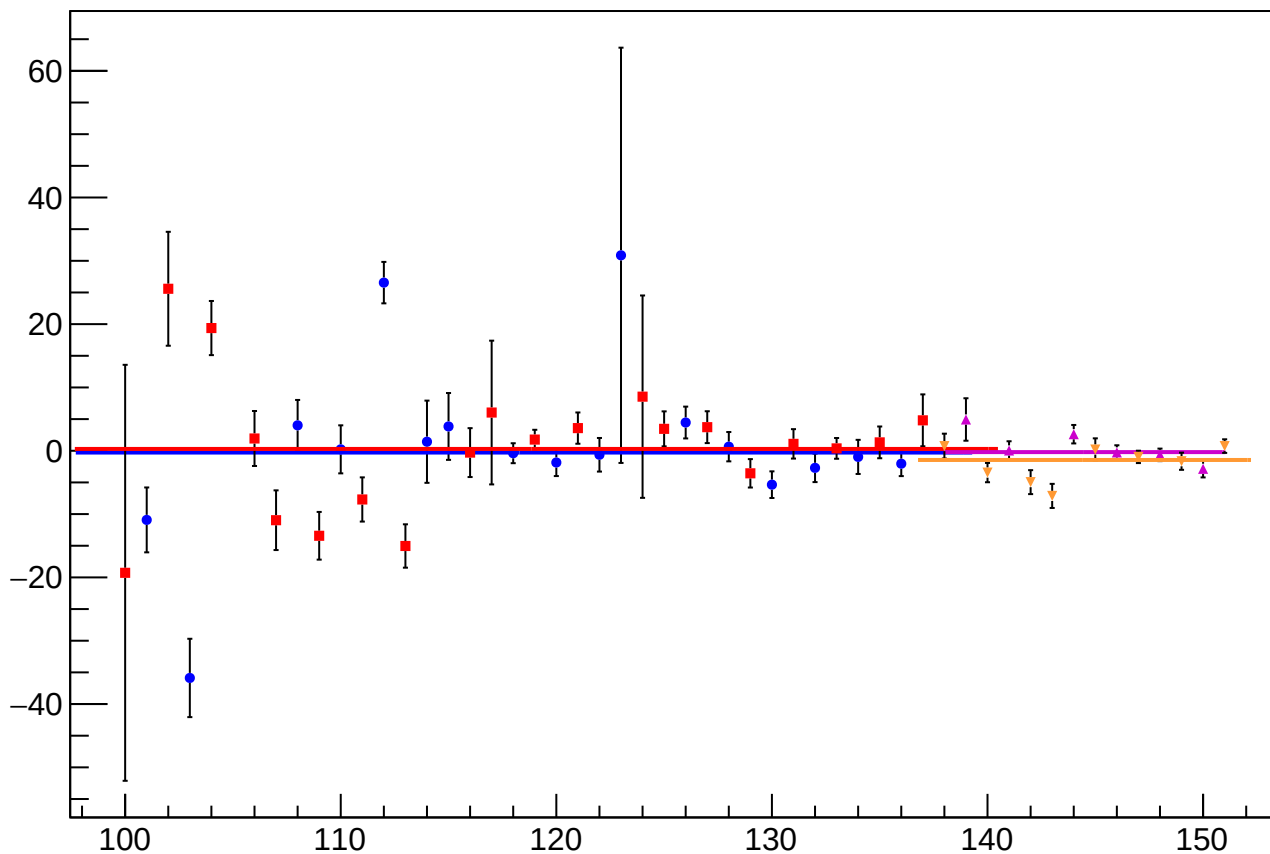
Left In: -12.199+/-0.808 χ^2/NDF : 18.6/5

17.020+/-0.742 χ^2/NDF : 275.0/7

3.652+/-0.547 χ^2/NDF : 1002.1/13

-12.199+/-0.808 χ^2/NDF : 18.6/5

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: -1.454 ± 0.499 χ^2/NDF : 20.6/7

Right Out: 0.289 ± 0.655 χ^2/NDF : 83.4/19

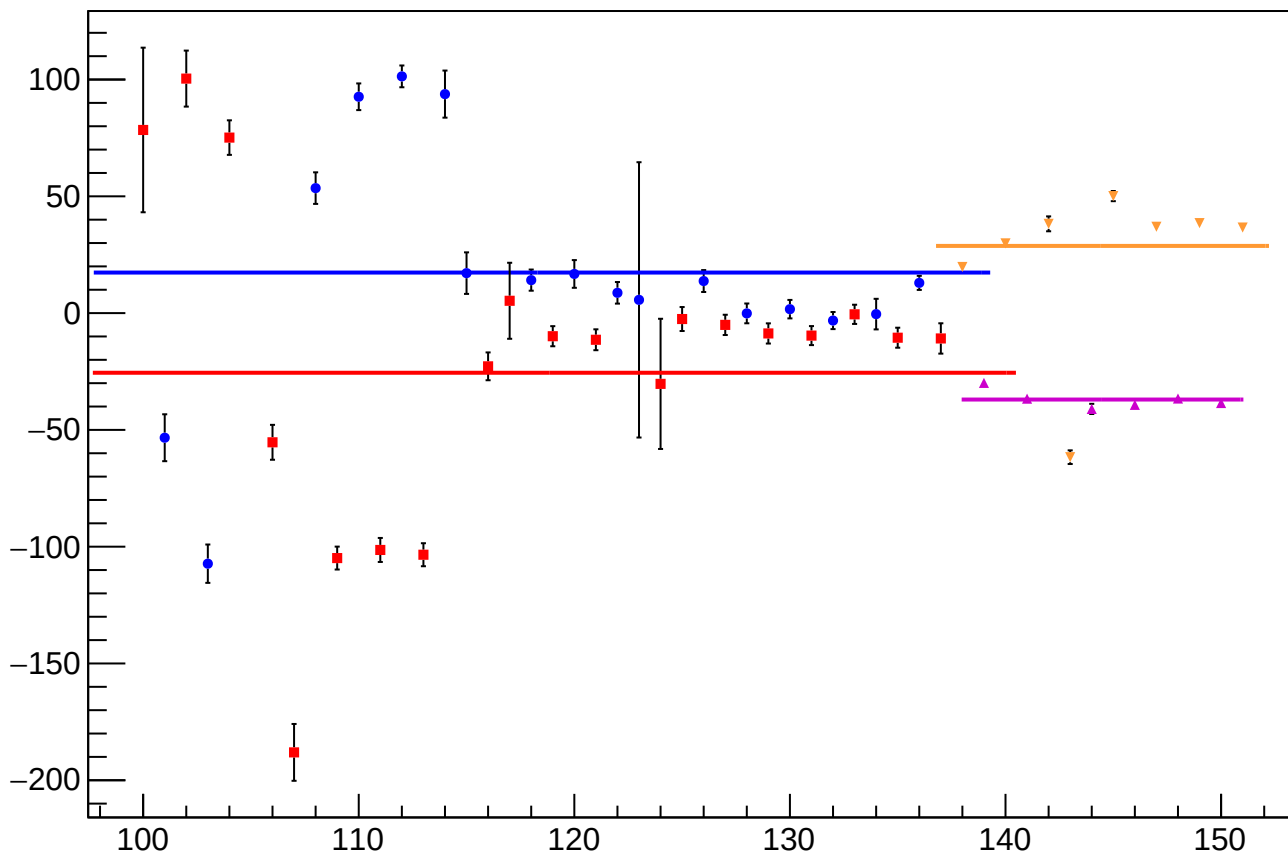
Left In: -0.211 ± 0.544 χ^2/NDF : 10.1/5

-1.030 ± 0.398 χ^2/NDF : 142.1/24

-0.544 ± 0.289 χ^2/NDF : 239.2/50

-0.007 ± 0.419 χ^2/NDF : 93.9/25

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.361 ± 1.247 $\chi^2/\text{NDF}: 943.0/16$

Left Out: 28.769 ± 0.751 $\chi^2/\text{NDF}: 1142.7/7$

Right Out: -25.537 ± 1.239 $\chi^2/\text{NDF}: 1382.4/19$

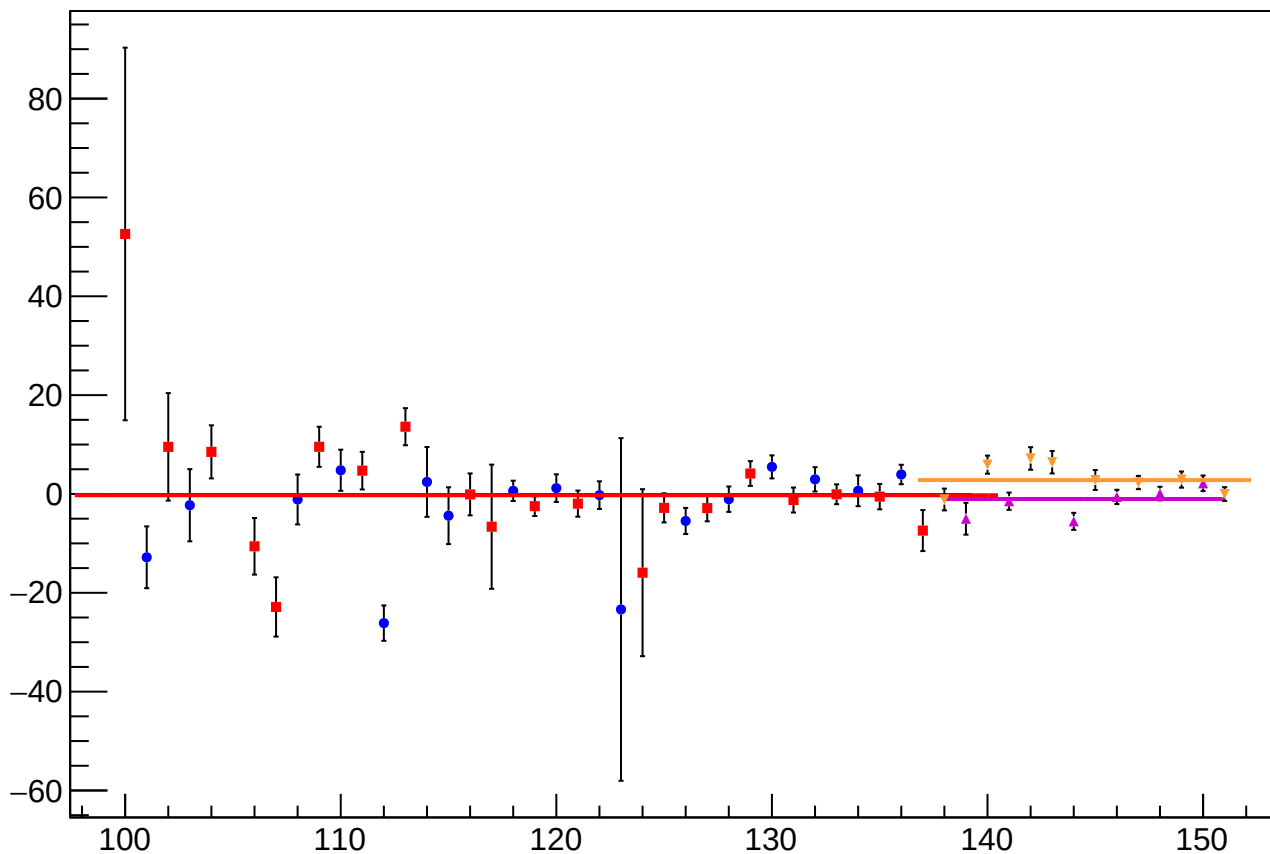
Left In: -37.005 ± 0.810 $\chi^2/\text{NDF}: 18.0/5$

25.735 ± 0.643 $\chi^2/\text{NDF}: 2147.2/24$

-2.338 ± 0.467 $\chi^2/\text{NDF}: 7633.4/50$

-33.570 ± 0.678 $\chi^2/\text{NDF}: 1460.5/25$

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: 2.804 ± 0.623 χ^2/NDF : 16.5/7

Right Out: -0.262 ± 0.747 χ^2/NDF : 54.8/19

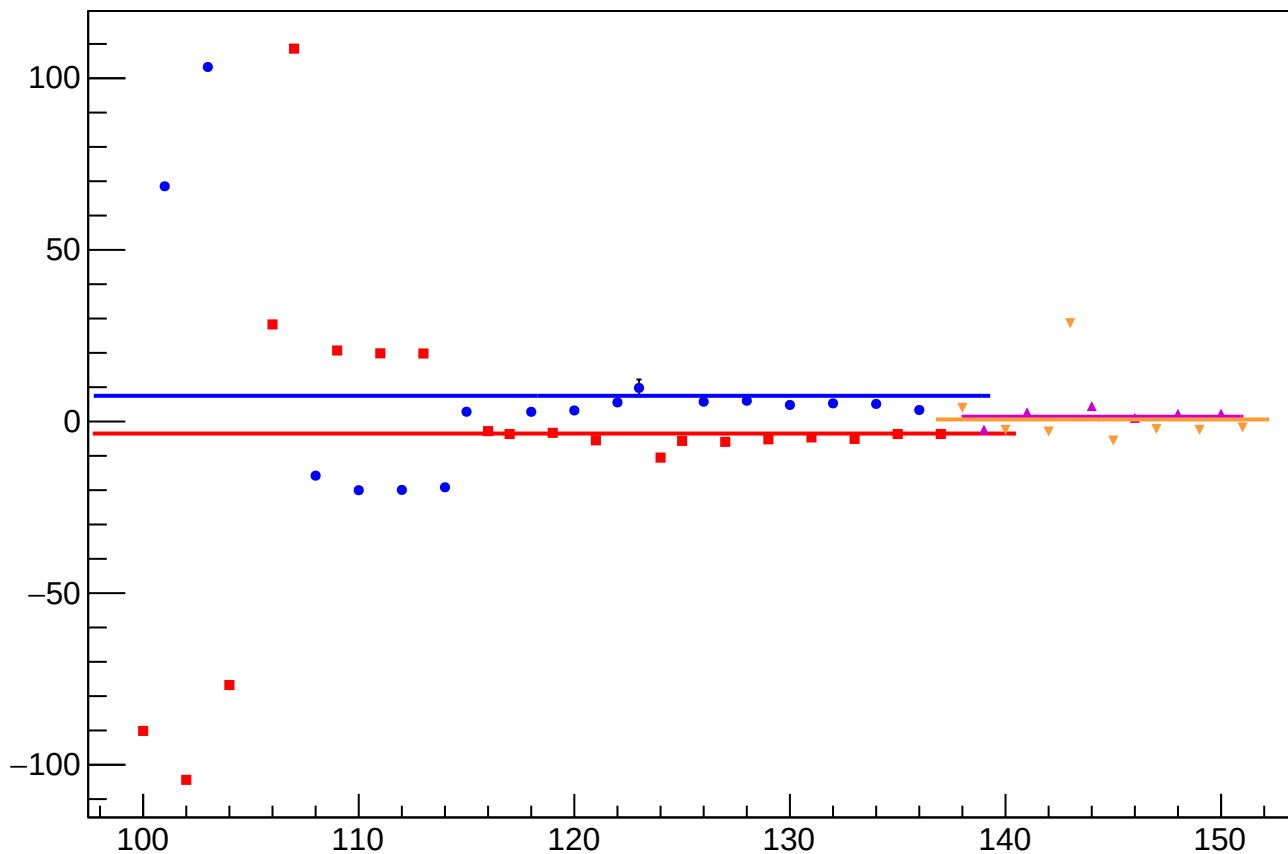
Left In: -1.019 ± 0.680 χ^2/NDF : 13.2/5

1.575 ± 0.480 χ^2/NDF : 101.9/24

0.502 ± 0.347 χ^2/NDF : 181.0/50

-0.676 ± 0.503 χ^2/NDF : 68.6/25

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: 0.606 ± 0.032 χ^2/NDF : 69550.8/7

Right Out: -3.504 ± 0.046 χ^2/NDF : 510579.5/19

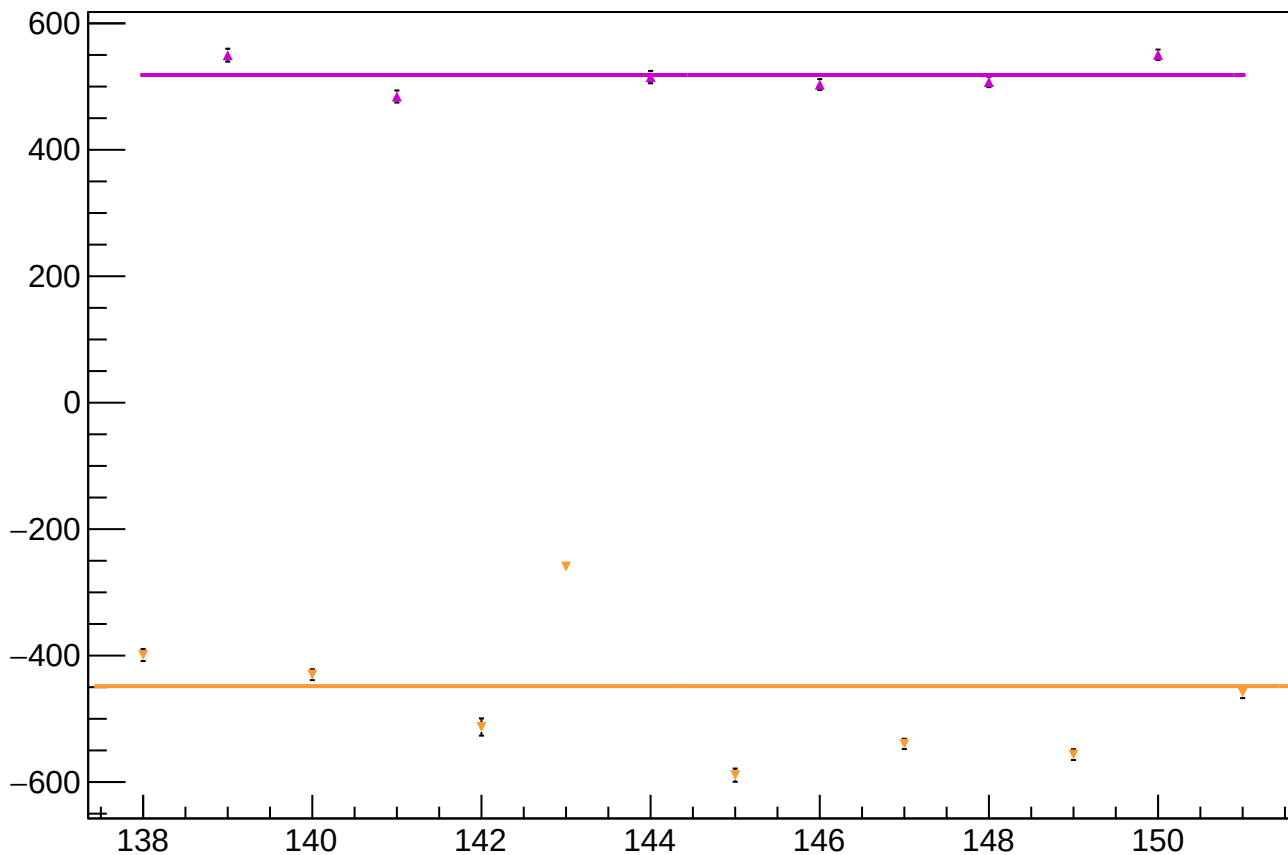
Left In: 1.405 ± 0.034 χ^2/NDF : 4348.6/5

2.905 ± 0.026 χ^2/NDF : 441384.5/24

1.366 ± 0.019 χ^2/NDF : 971311.3/50

-0.318 ± 0.027 χ^2/NDF : 522469.7/25

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: -448.269+/-3.154 χ^2/NDF :1247.9/7

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

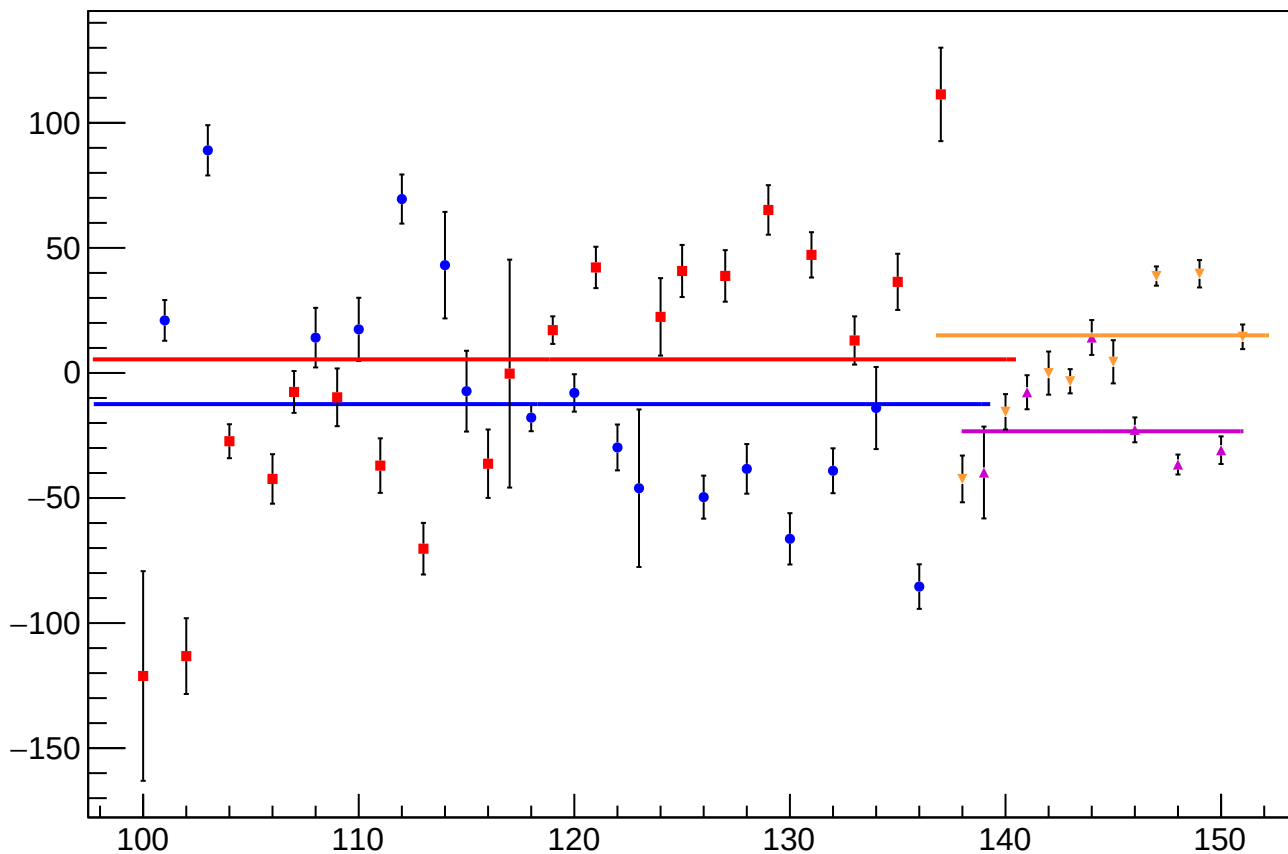
Left In: 518.334+/-3.674 χ^2/NDF :42.2/5

-448.269+/-3.154 χ^2/NDF : 1247.9/7

-38.177+/-2.393 χ^2/NDF : 41138.2/13

518.334+/-3.674 χ^2/NDF : 42.2/5

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -12.458 ± 2.349 χ^2/NDF : 341.1/16

Left Out: 15.045 ± 2.028 χ^2/NDF : 133.6/7

Right Out: 5.439 ± 2.256 χ^2/NDF : 345.0/19

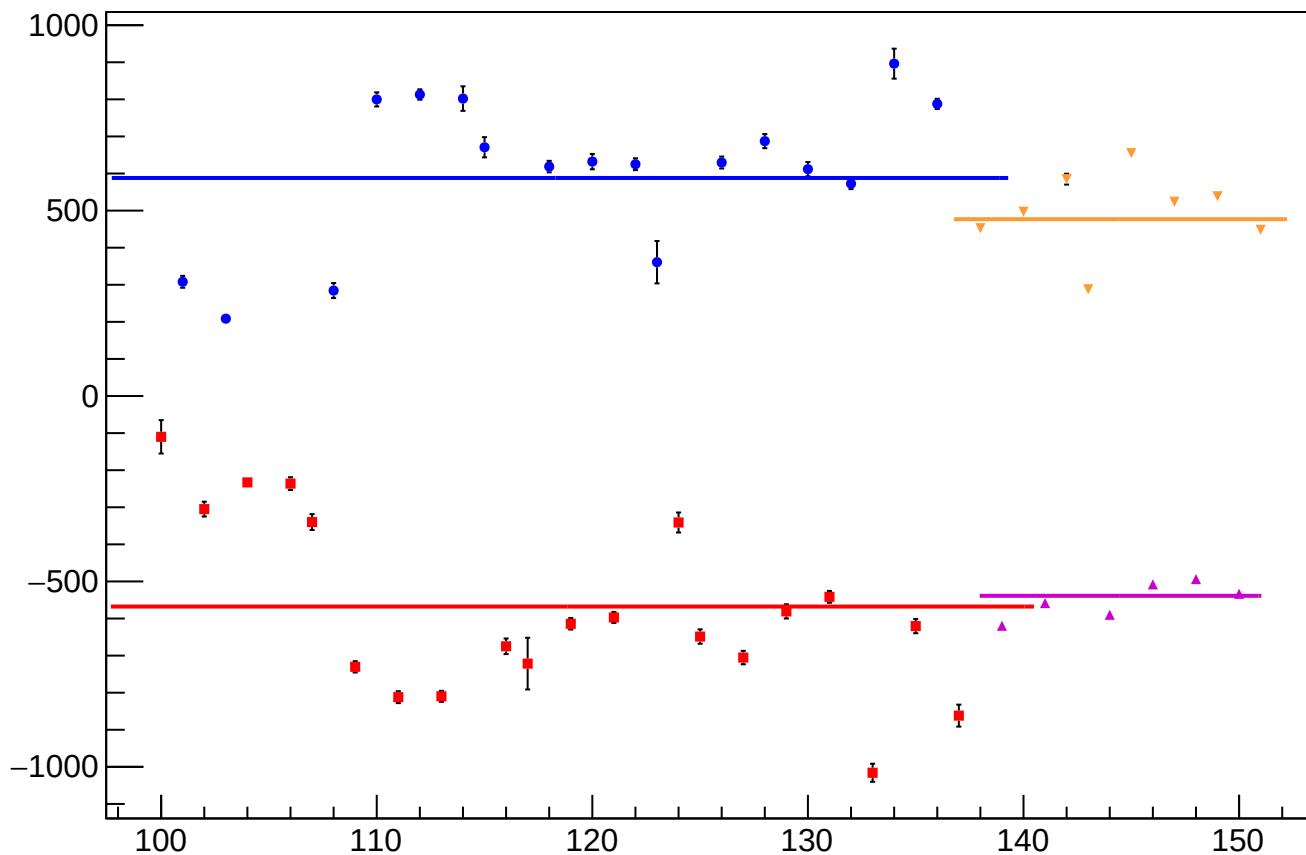
Left In: -23.318 ± 2.350 χ^2/NDF : 48.0/5

3.298 ± 1.535 χ^2/NDF : 553.3/24

-2.186 ± 1.117 χ^2/NDF : 1051.3/50

-8.351 ± 1.627 χ^2/NDF : 470.9/25

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 587.994 ± 4.353 $\chi^2/\text{NDF}: 2129.6/16$

Left Out: 476.862 ± 3.183 $\chi^2/\text{NDF}: 1071.4/7$

Right Out: -567.720 ± 4.129 $\chi^2/\text{NDF}: 2788.1/19$

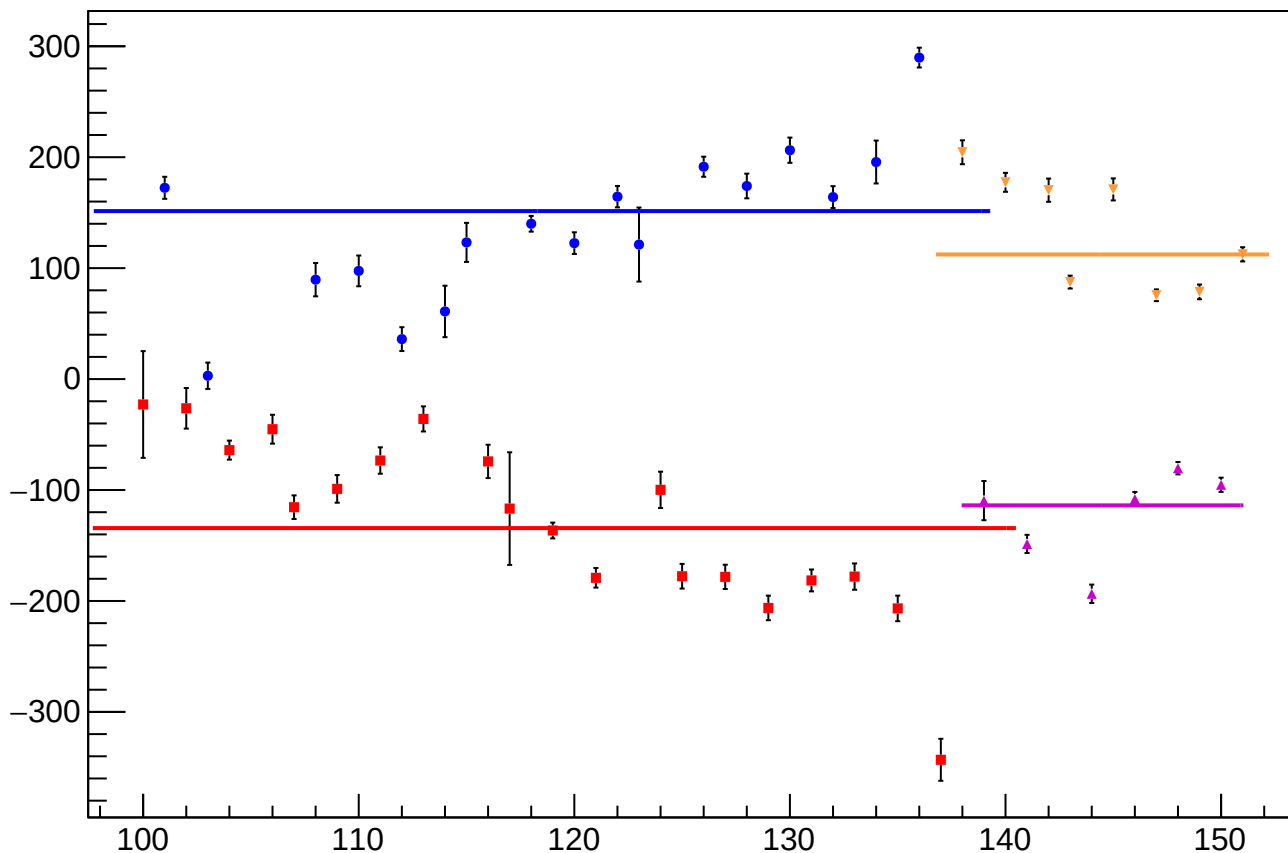
Left In: -538.739 ± 3.638 $\chi^2/\text{NDF}: 129.0/5$

515.583 ± 2.569 $\chi^2/\text{NDF}: 3625.8/24$

14.308 ± 1.871 $\chi^2/\text{NDF}: 87592.4/50$

-551.405 ± 2.729 $\chi^2/\text{NDF}: 2944.8/25$

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: 112.329 $\pm$ 2.549 χ^2/NDF :289.2/7

Right Out: -134.299 $\pm$ 2.612 χ^2/NDF : 585.0/19

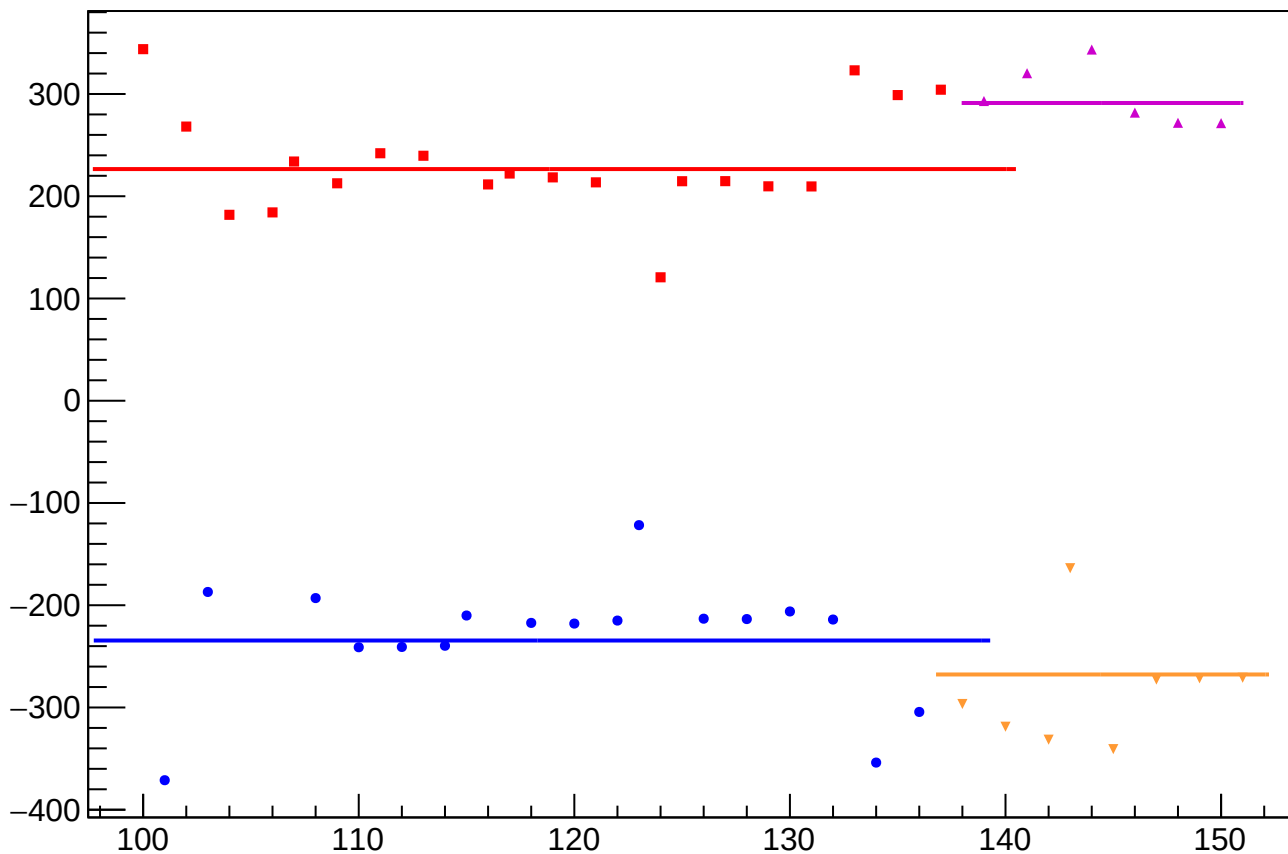
Left In: -113.829 $\pm$ 2.965 χ^2/NDF :156.0/5

130.686 $\pm$ 1.856 χ^2/NDF : 1032.9/24

9.609 $\pm$ 1.348 χ^2/NDF : 10795.8/50

-125.355 $\pm$ 1.960 χ^2/NDF : 767.9/25

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: -267.718+/-0.135 χ^2/NDF :180930.1/7

Right Out: 226.572+/-0.141 χ^2/NDF : 98970.7/19

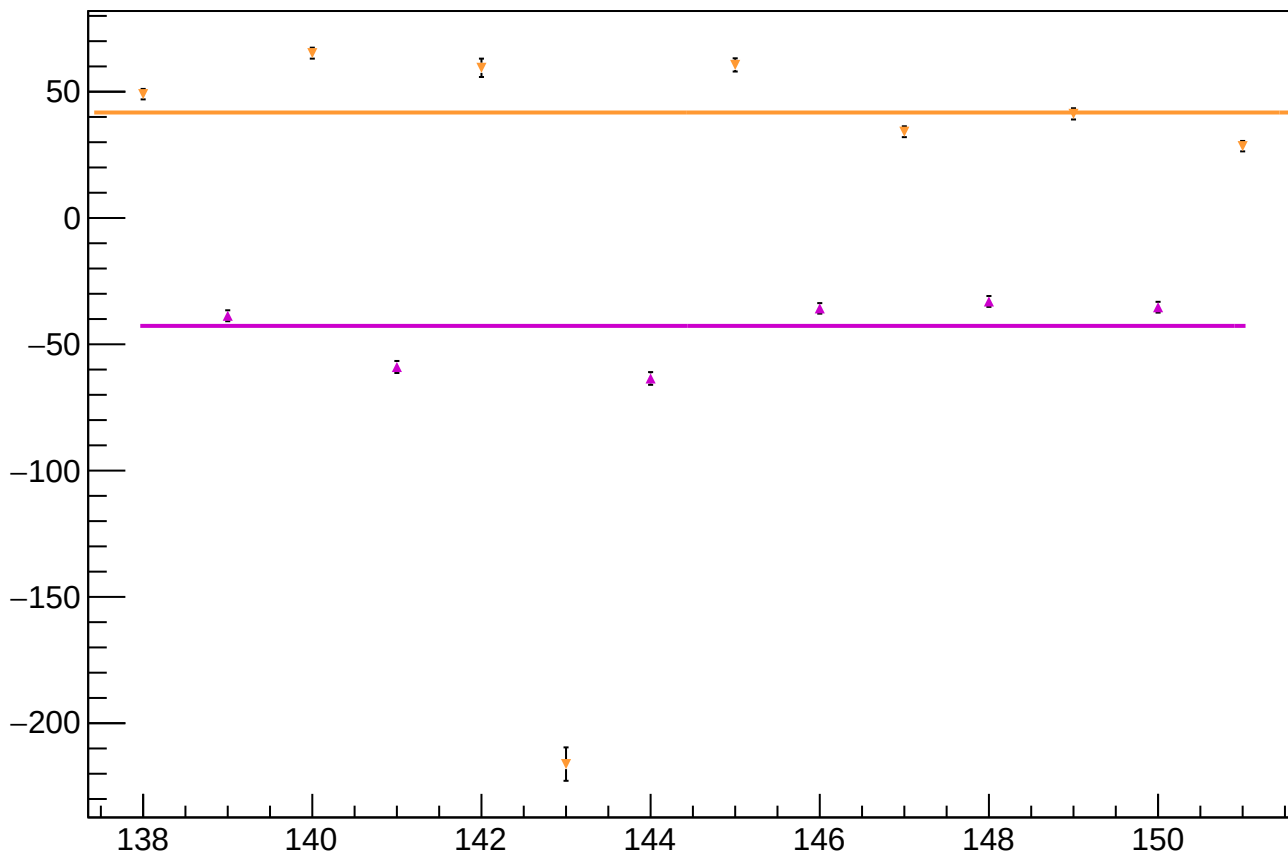
Left In: 291.206+/-0.152 χ^2/NDF :25850.5/5

-252.732+/-0.100 χ^2/NDF : 353243.3/24

-6.926+/-0.072 χ^2/NDF : 13065733.0/50

256.437+/-0.104 χ^2/NDF : 221543.0/25

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: 41.761+/-0.862 χ^2/NDF : 1780.9/7

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

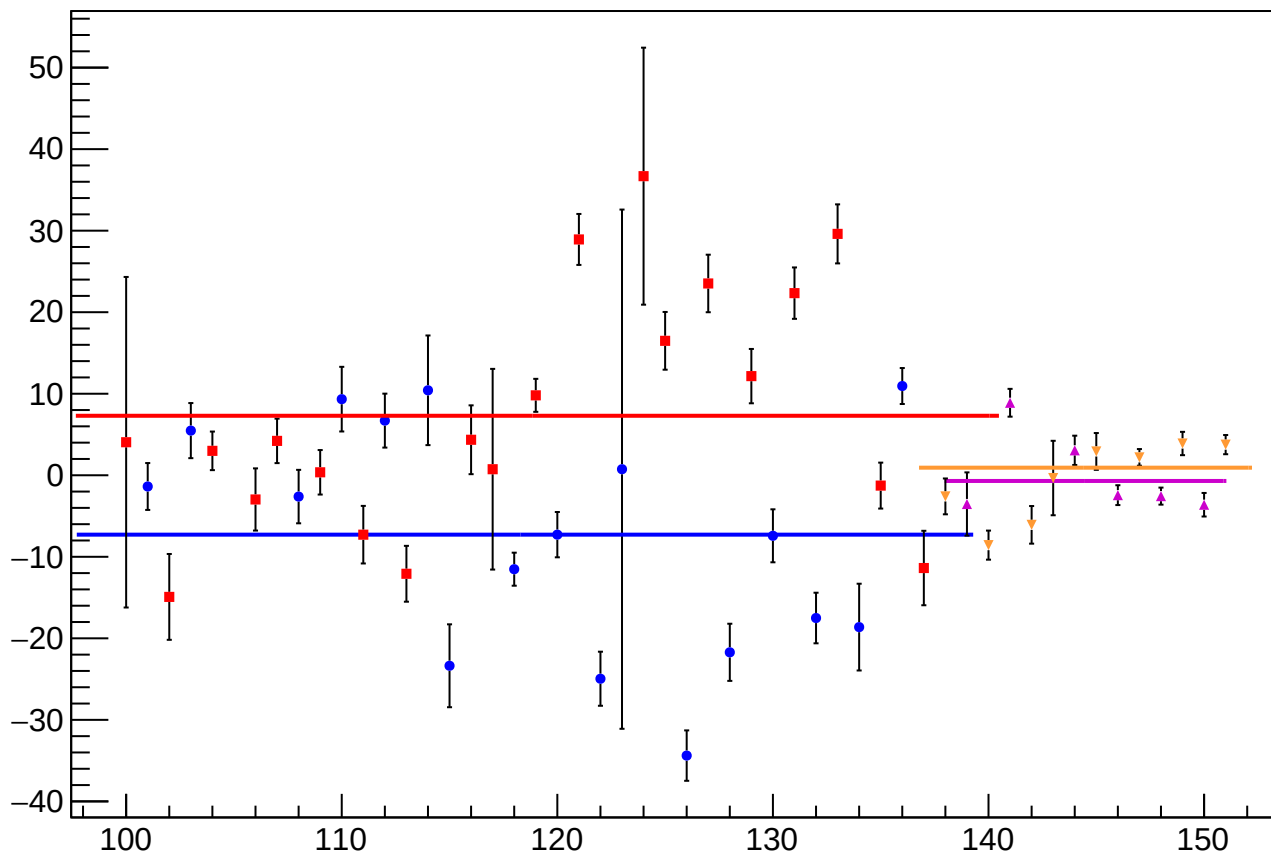
Left In: -42.710+/-0.908 χ^2/NDF : 161.9/5

41.761+/-0.862 χ^2/NDF : 1780.9/7

1.685+/-0.625 χ^2/NDF : 6494.2/13

-42.710+/-0.908 χ^2/NDF : 161.9/5

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: 0.931 ± 0.566 χ^2/NDF : 52.7/7

Right Out: 7.298 ± 0.759 χ^2/NDF : 255.6/19

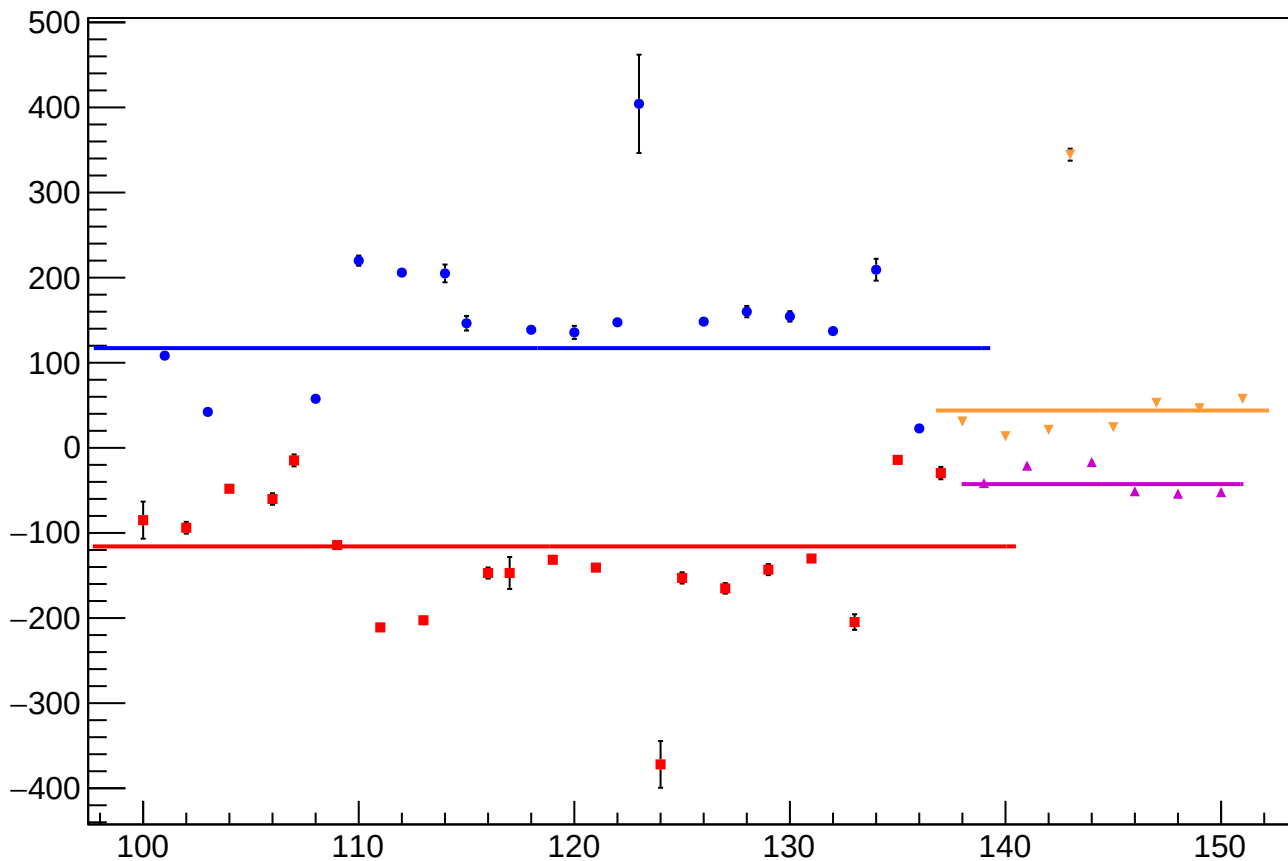
Left In: -0.699 ± 0.599 χ^2/NDF : 45.8/5

-1.860 ± 0.460 χ^2/NDF : 407.5/24

0.206 ± 0.329 χ^2/NDF : 818.6/50

2.366 ± 0.470 χ^2/NDF : 369.8/25

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: 43.863 $\pm$ 0.863 χ^2/NDF : 2175.5/7

Right Out: -115.795 $\pm$ 1.357 χ^2/NDF : 2140.4/19

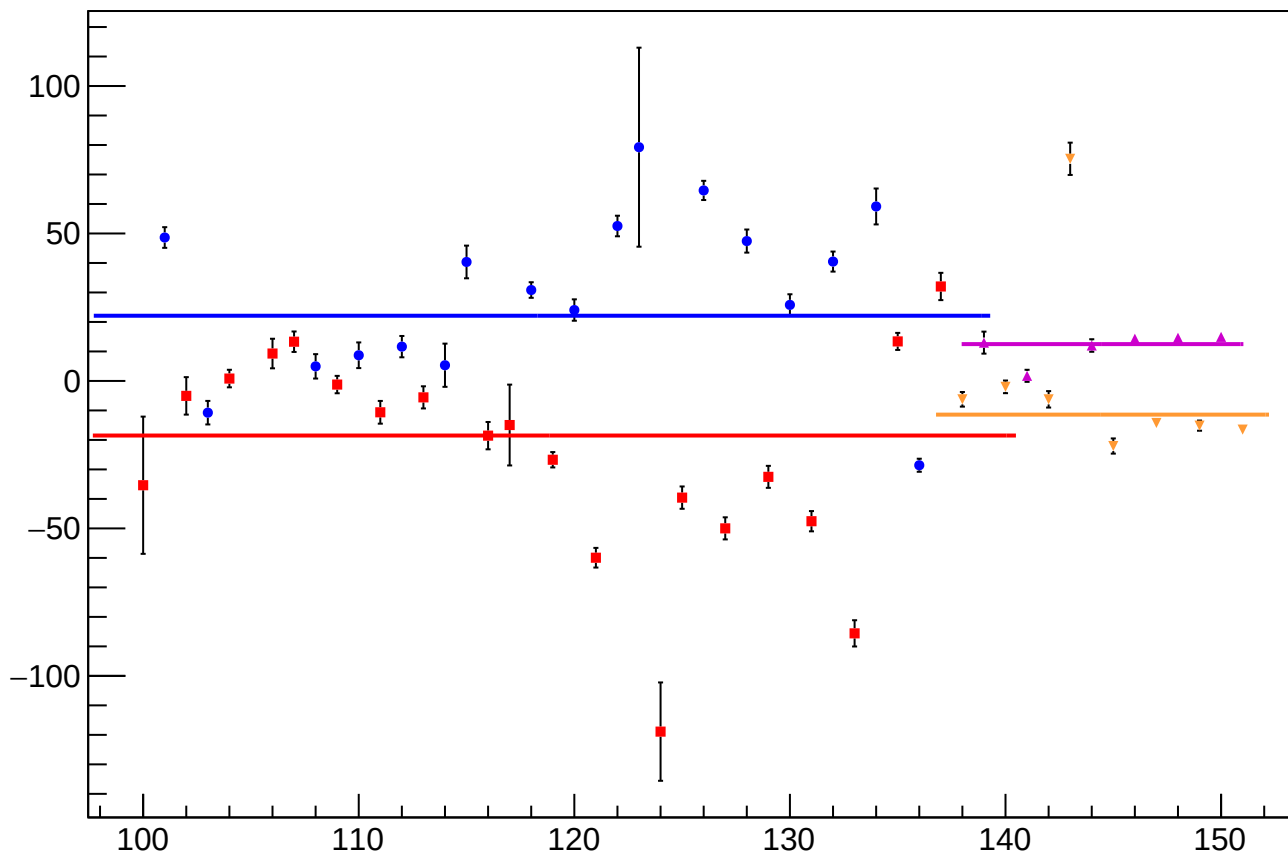
Left In: -42.631 $\pm$ 0.904 χ^2/NDF : 237.9/5

63.716 $\pm$ 0.737 χ^2/NDF : 6291.0/24

0.631 $\pm$ 0.526 χ^2/NDF : 25643.8/50

-65.102 $\pm$ 0.752 χ^2/NDF : 4391.0/25

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: -11.420 ± 0.714 χ^2/NDF : 314.9/7

Right Out: -18.506 ± 0.869 χ^2/NDF : 1068.6/19

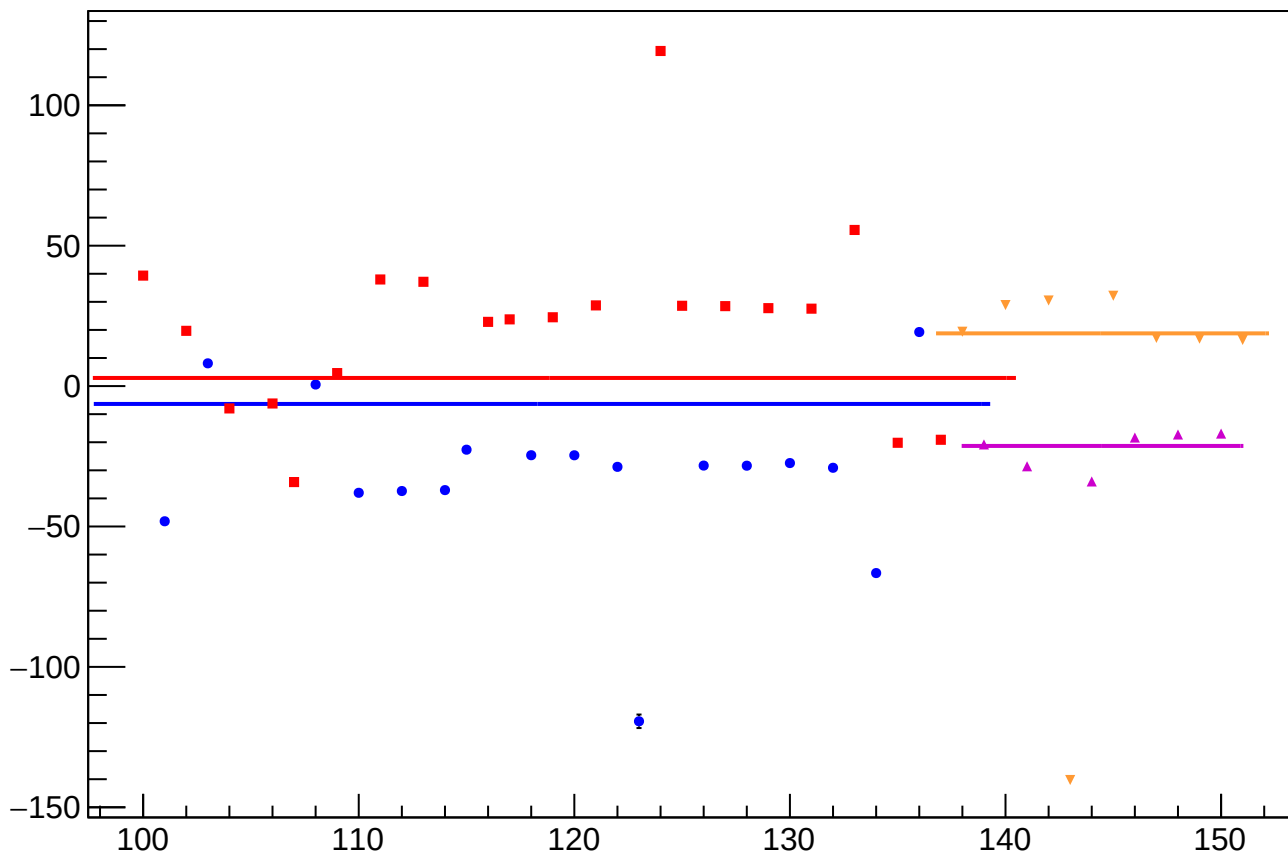
Left In: 12.491 ± 0.752 χ^2/NDF : 33.4/5

1.562 ± 0.559 χ^2/NDF : 2239.3/24

0.415 ± 0.399 χ^2/NDF : 4077.1/50

-0.773 ± 0.569 χ^2/NDF : 1829.3/25

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: 18.773 ± 0.037 χ^2/NDF : 348460.5/7

Right Out: 2.896 ± 0.046 χ^2/NDF : 266162.6/19

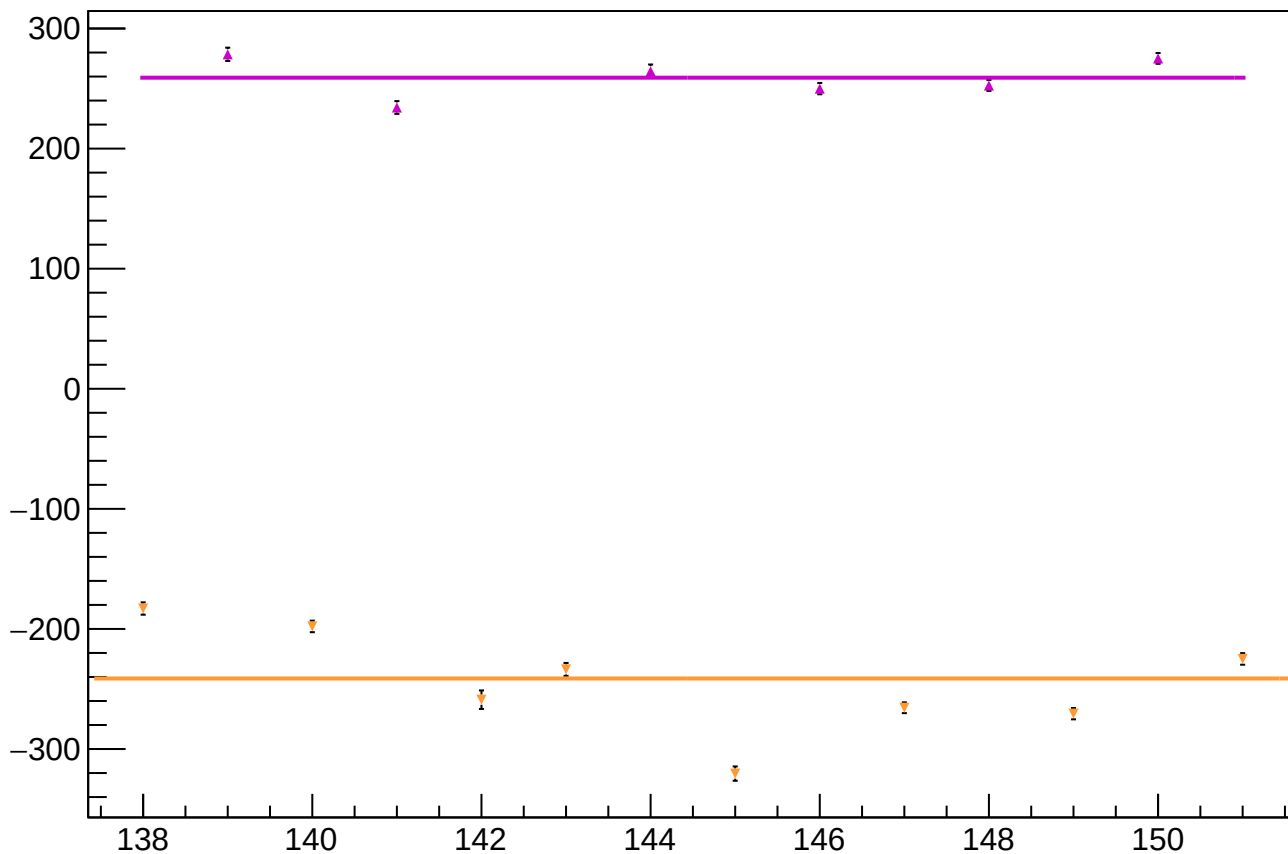
Left In: -21.313 ± 0.037 χ^2/NDF : 22729.8/5

9.089 ± 0.029 χ^2/NDF : 794225.8/24

-1.165 ± 0.020 χ^2/NDF : 1507362.3/50

-11.576 ± 0.029 χ^2/NDF : 456786.4/25

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: -241.245+/-1.834 χ^2/NDF : 470.2/7

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

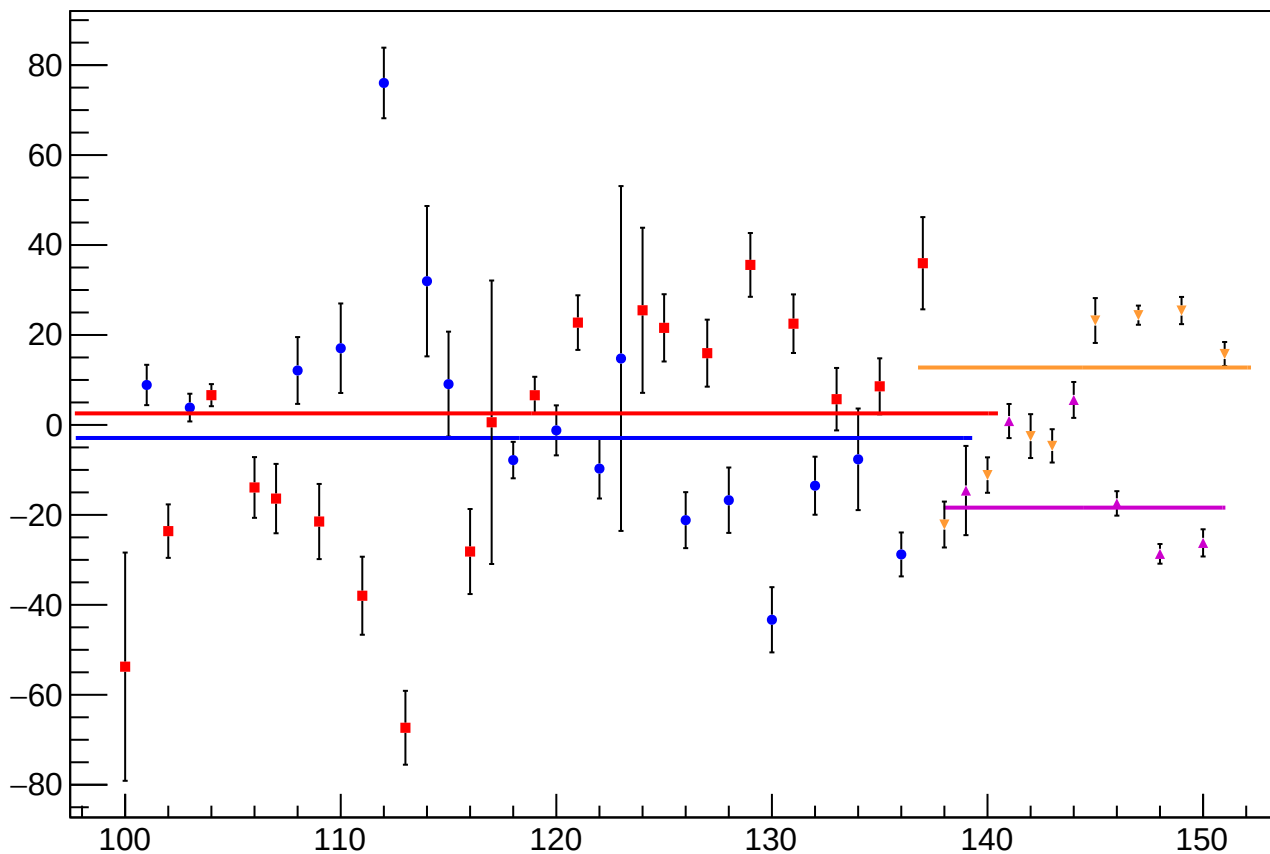
Left In: 259.055+/-2.027 χ^2/NDF : 53.6/5

-241.245+/-1.834 χ^2/NDF : 470.2/7

-15.972+/-1.360 χ^2/NDF : 34024.6/13

259.055+/-2.027 χ^2/NDF : 53.6/5

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.901 ± 1.467 χ^2/NDF : 203.6/16

Left Out: 12.766 ± 1.172 χ^2/NDF : 168.6/7

Right Out: 2.566 ± 1.395 χ^2/NDF : 218.2/19

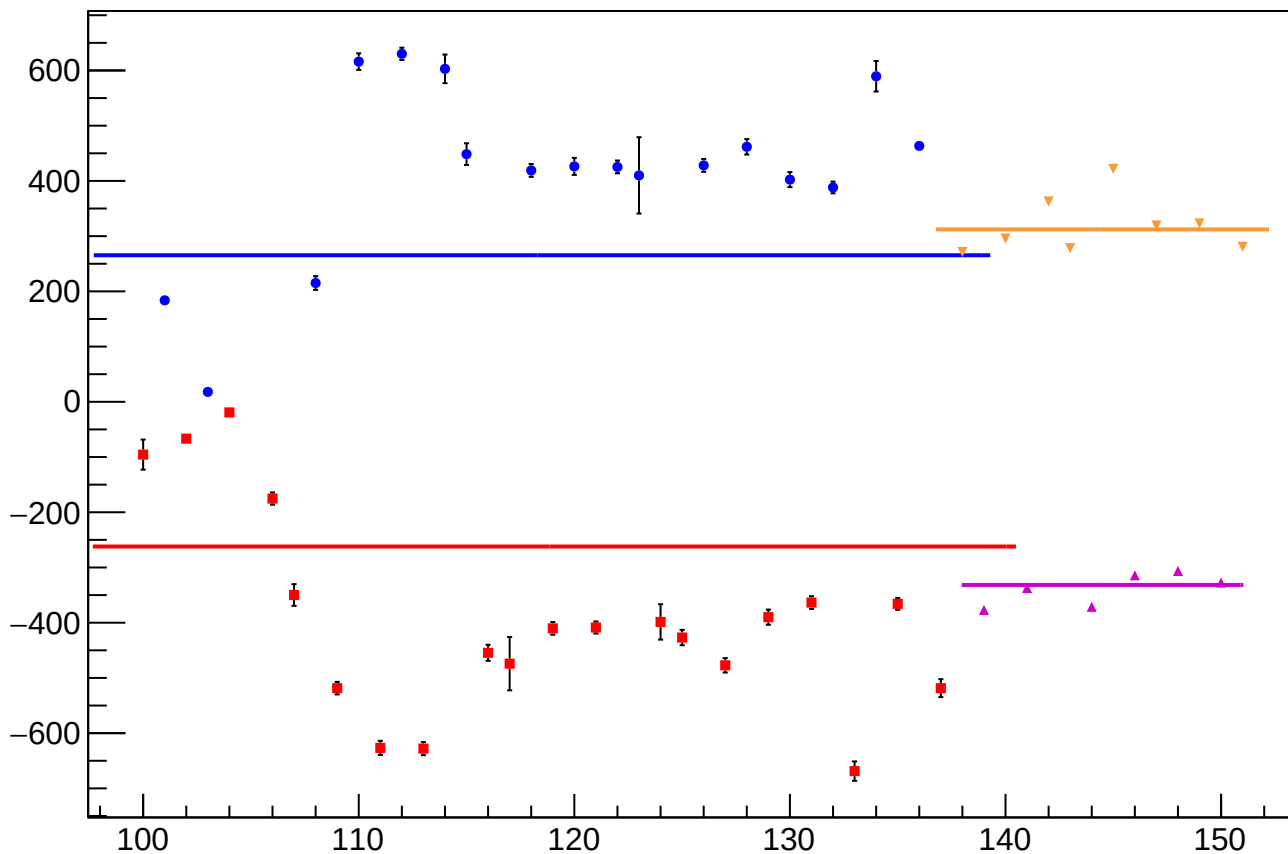
Left In: -18.388 ± 1.295 χ^2/NDF : 90.9/5

6.664 ± 0.916 χ^2/NDF : 441.8/24

-0.738 ± 0.659 χ^2/NDF : 1007.6/50

-8.690 ± 0.949 χ^2/NDF : 430.3/25

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 265.369 $\pm$ 2.488 χ^2/NDF : 7633.8/16

Left Out: 312.204 $\pm$ 1.839 χ^2/NDF :495.5/7

Right Out: -262.016 $\pm$ 2.455 χ^2/NDF : 8223.7/19

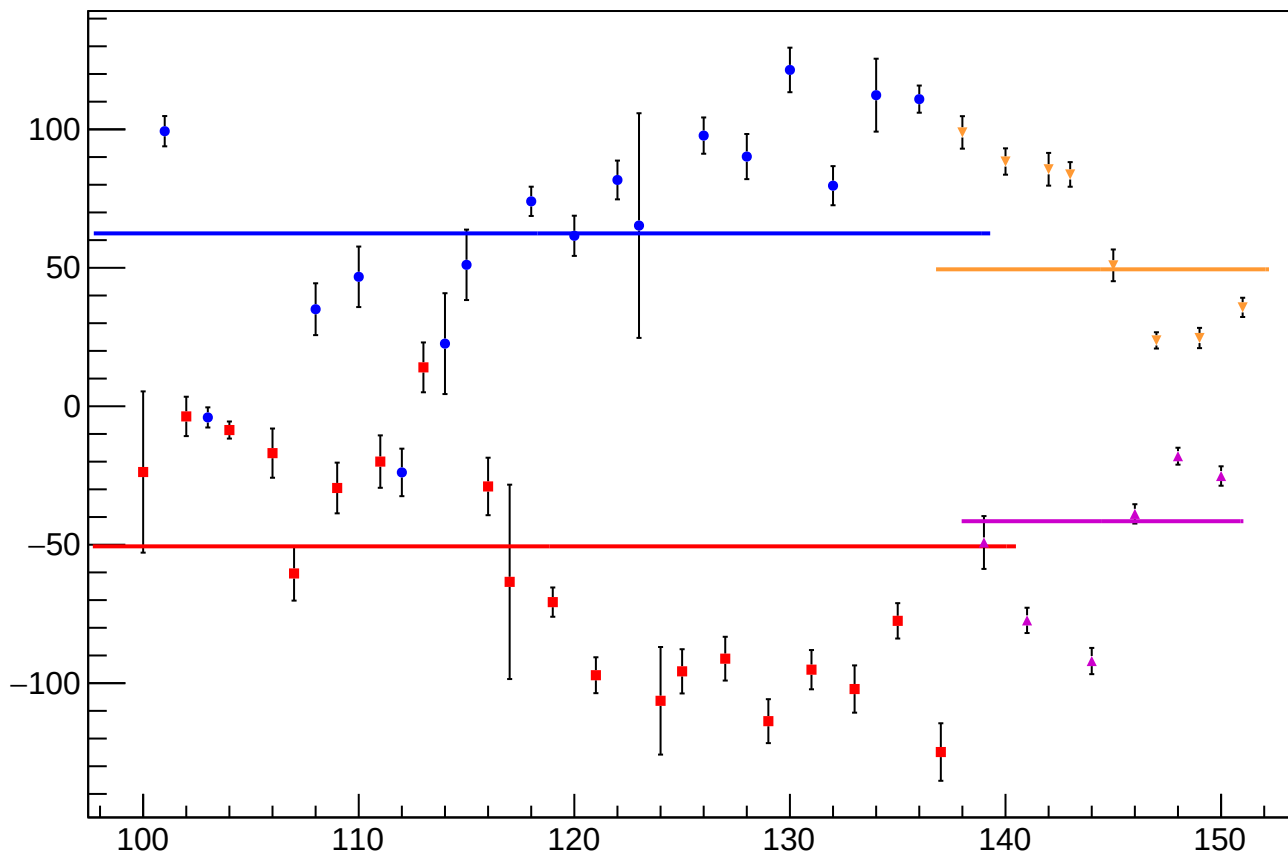
Left In: -331.600 $\pm$ 2.005 χ^2/NDF :152.9/5

295.655 $\pm$ 1.479 χ^2/NDF : 8358.4/24

10.513 $\pm$ 1.071 χ^2/NDF : 95357.4/50

-303.760 $\pm$ 1.553 χ^2/NDF : 8858.6/25

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 62.434 $\pm$ 1.694 χ^2 /NDF: 721.8/16

Left Out: 49.456 $\pm$ 1.480 χ^2 /NDF: 372.8/7

Right Out: -50.588 $\pm$ 1.640 χ^2 /NDF: 657.5/19

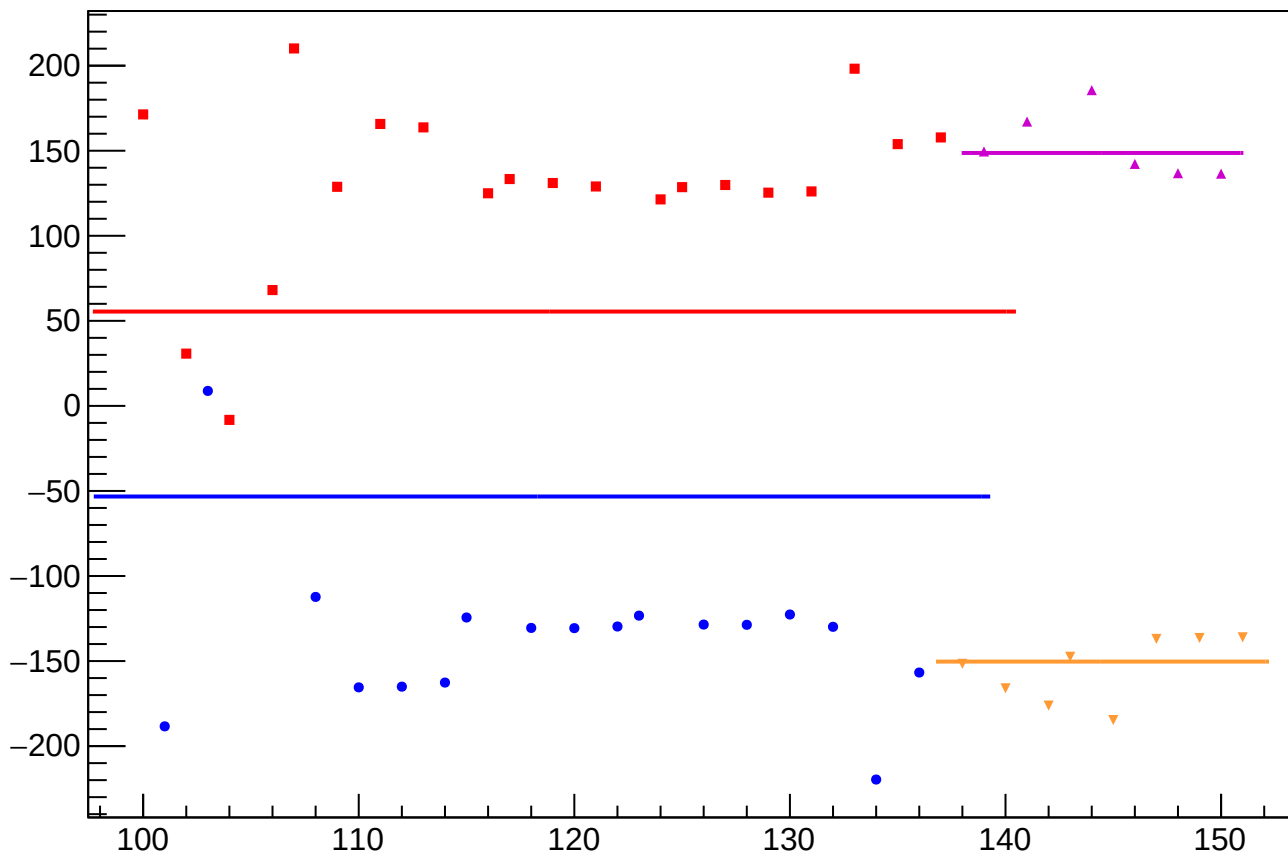
Left In: -41.511 $\pm$ 1.635 χ^2 /NDF: 257.0/5

55.075 $\pm$ 1.115 χ^2 /NDF: 1127.9/24

6.458 $\pm$ 0.803 χ^2 /NDF: 6015.3/50

-46.037 $\pm$ 1.158 χ^2 /NDF: 929.8/25

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: -150.315 $\pm$ 0.079 χ^2/NDF : 45215.3/7

Right Out: 55.455 $\pm$ 0.072 χ^2/NDF : 968274.5/19

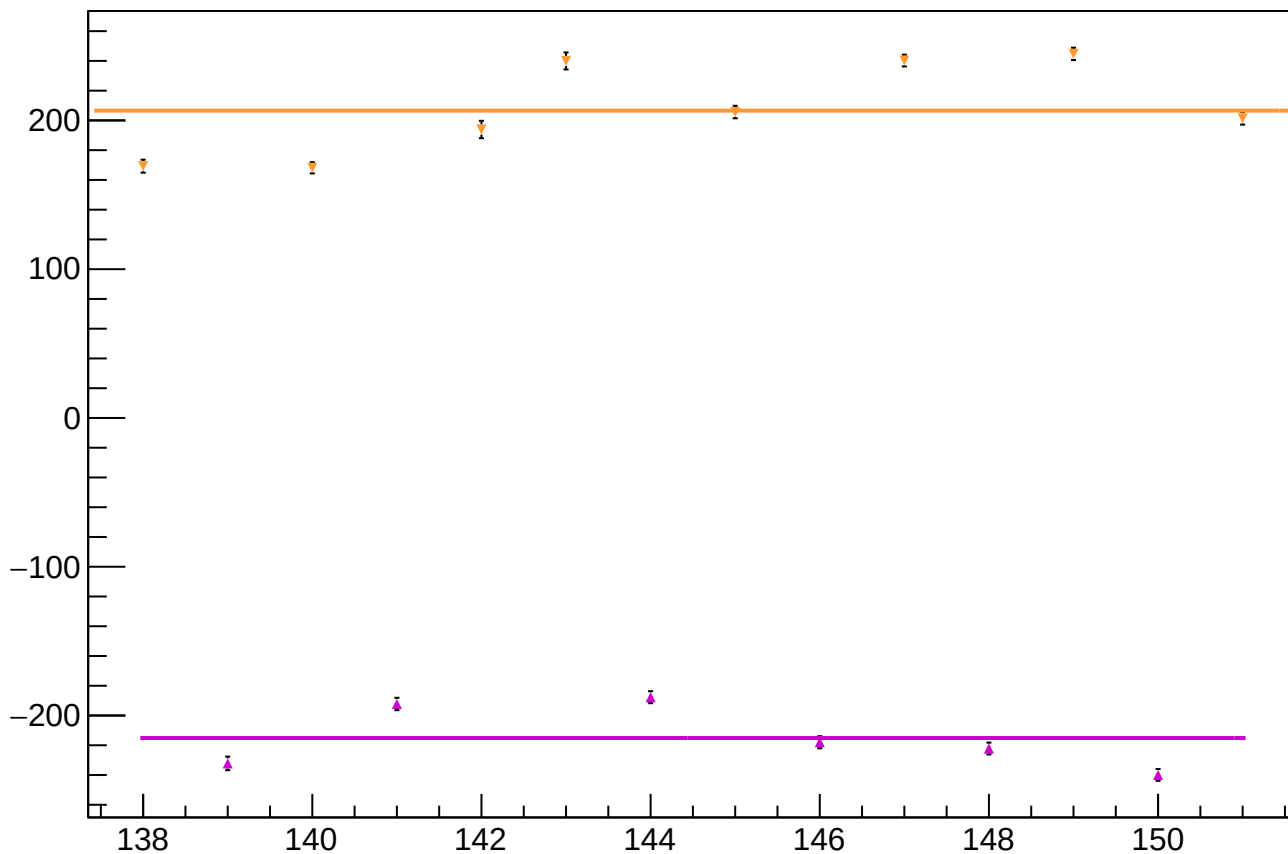
Left In: 148.694 $\pm$ 0.084 χ^2/NDF : 36355.7/5

-96.530 $\pm$ 0.052 χ^2/NDF : 2117666.0/24

-4.678 $\pm$ 0.038 χ^2/NDF : 10236116.0/50

94.959 $\pm$ 0.055 χ^2/NDF : 1716864.0/25

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: 206.580+/-1.553 χ^2/NDF : 371.8/7

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

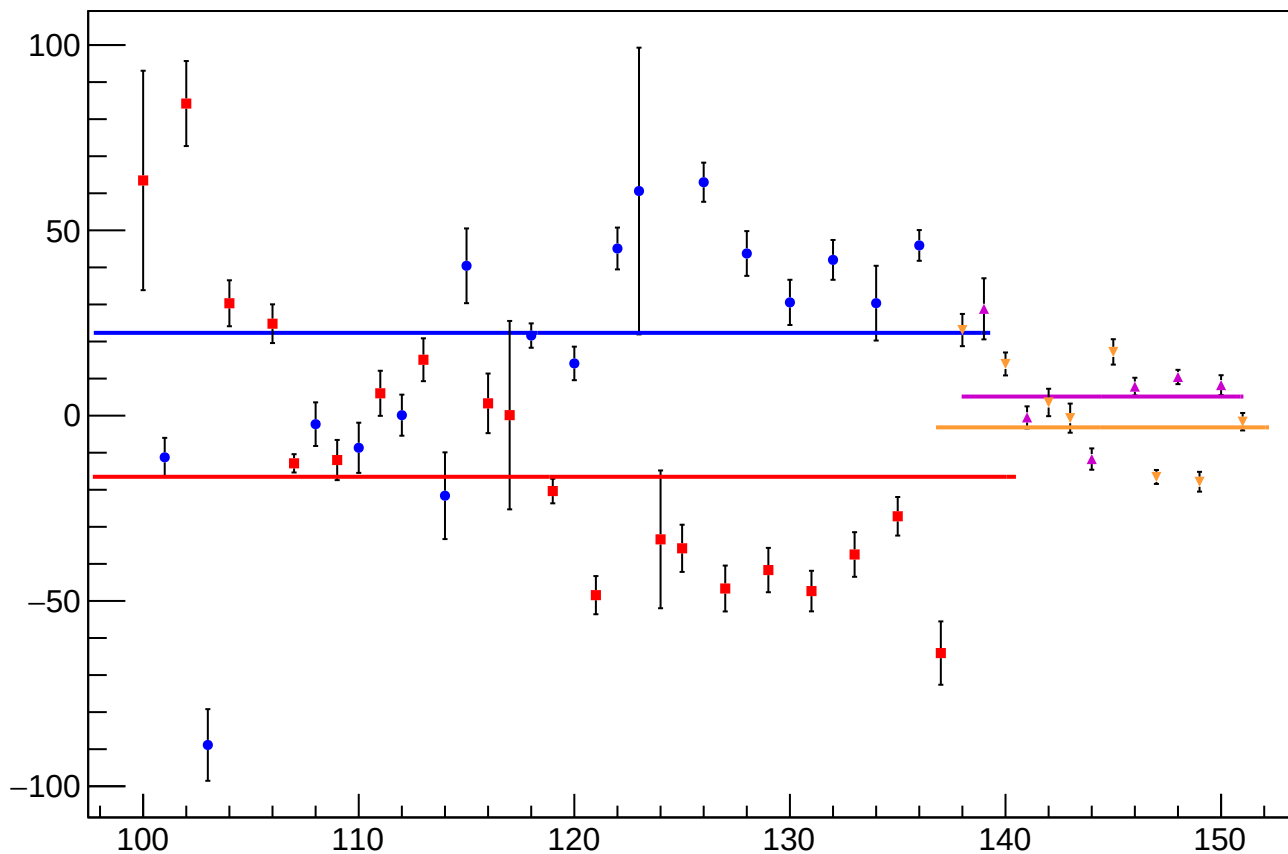
Left In: -215.135+/-1.682 χ^2/NDF : 133.1/5

206.580+/-1.553 χ^2/NDF : 371.8/7

12.470+/-1.141 χ^2/NDF : 34427.2/13

-215.135+/-1.682 χ^2/NDF : 133.1/5

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.342 ± 1.395 χ^2/NDF : 385.8/16

Left Out: -3.161 ± 1.009 χ^2/NDF : 187.0/7

Right Out: -16.498 ± 1.226 χ^2/NDF : 427.0/19

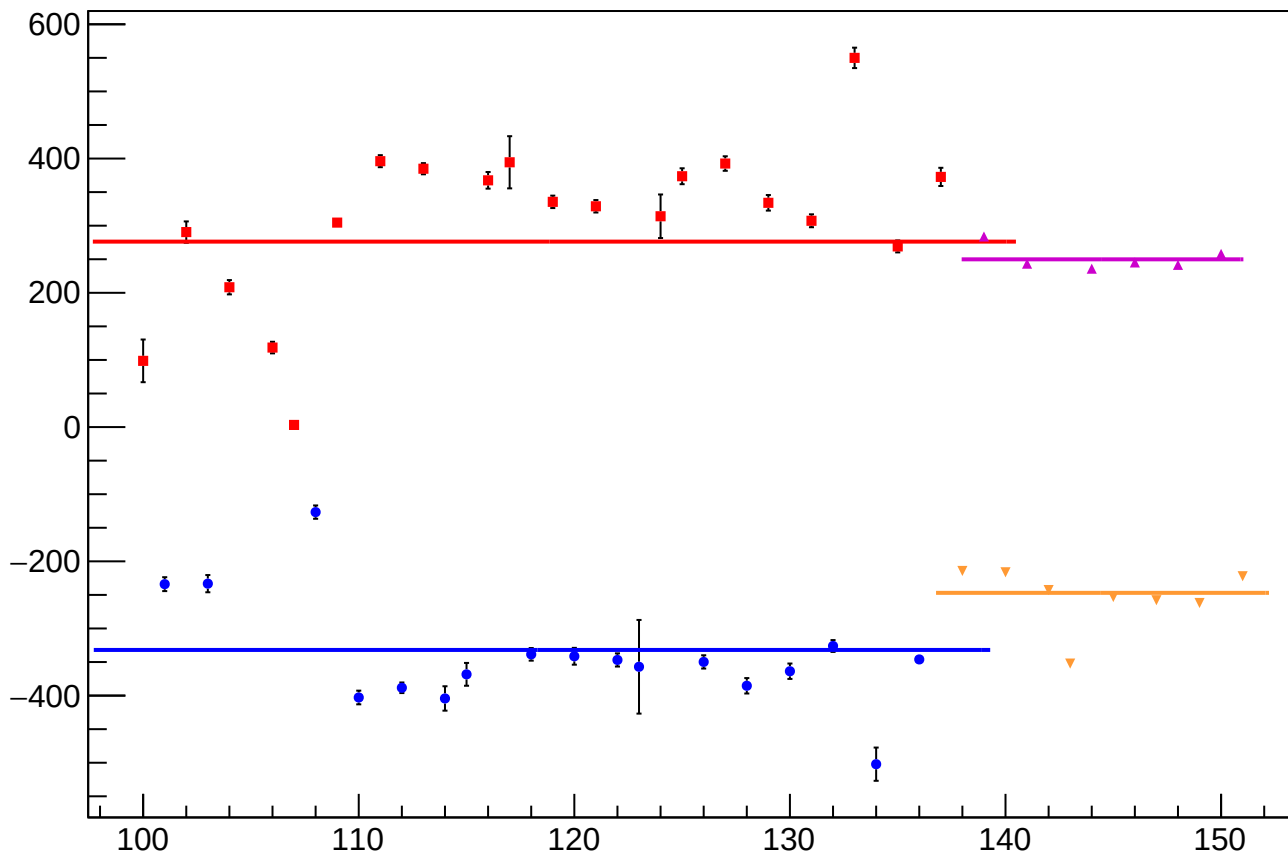
Left In: 5.153 ± 1.095 χ^2/NDF : 56.3/5

5.598 ± 0.818 χ^2/NDF : 792.2/24

0.564 ± 0.578 χ^2/NDF : 1524.6/50

-4.458 ± 0.817 χ^2/NDF : 656.7/25

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: -246.934 ± 1.566 χ^2/NDF : 467.0/7

Right Out: 276.265 ± 2.320 χ^2/NDF : 3371.5/19

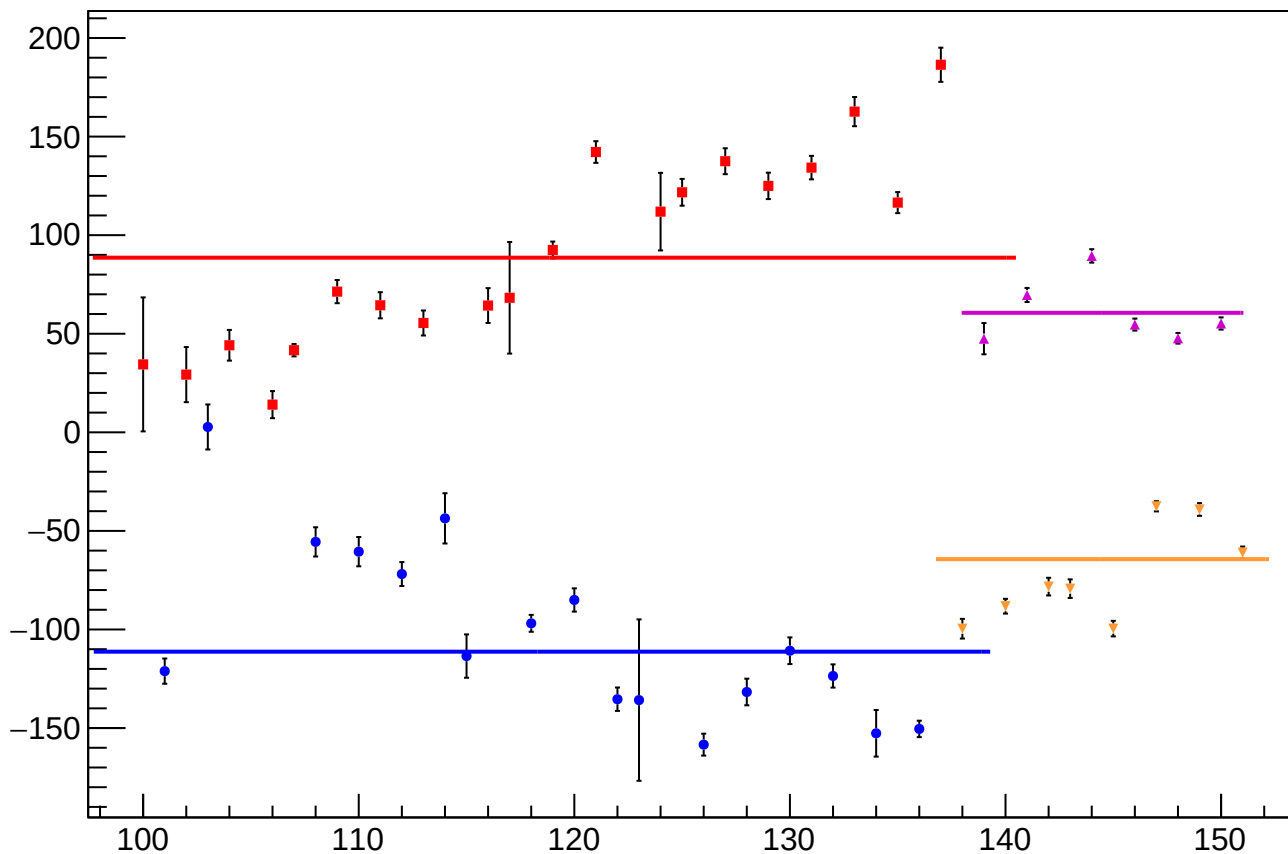
Left In: 249.866 ± 1.677 χ^2/NDF : 70.2/5

-269.828 ± 1.339 χ^2/NDF : 2046.1/24

-9.495 ± 0.954 χ^2/NDF : 82389.4/50

258.925 ± 1.359 χ^2/NDF : 3526.8/25

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: -64.338+/-1.269 χ^2/NDF : 358.7/7

Right Out: 88.581+/-1.431 χ^2/NDF : 971.5/19

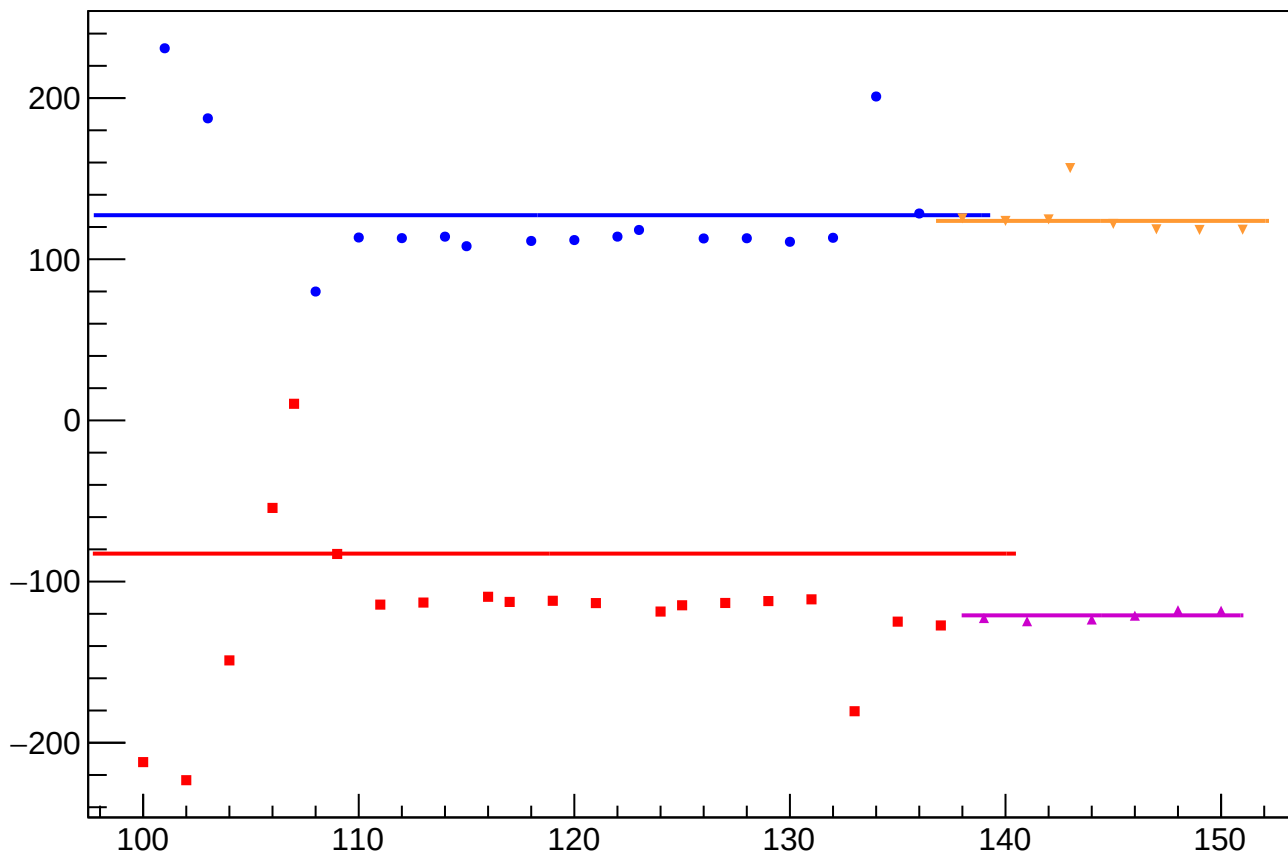
Left In: 60.618+/-1.375 χ^2/NDF : 110.5/5

-82.492+/-0.994 χ^2/NDF : 1397.4/24

-4.067+/-0.702 χ^2/NDF : 15114.9/50

74.037+/-0.991 χ^2/NDF : 1280.5/25

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: 123.794+/-0.067 χ^2/NDF : 21074.8/7

Right Out: -82.649+/-0.075 χ^2/NDF : 765307.1/19

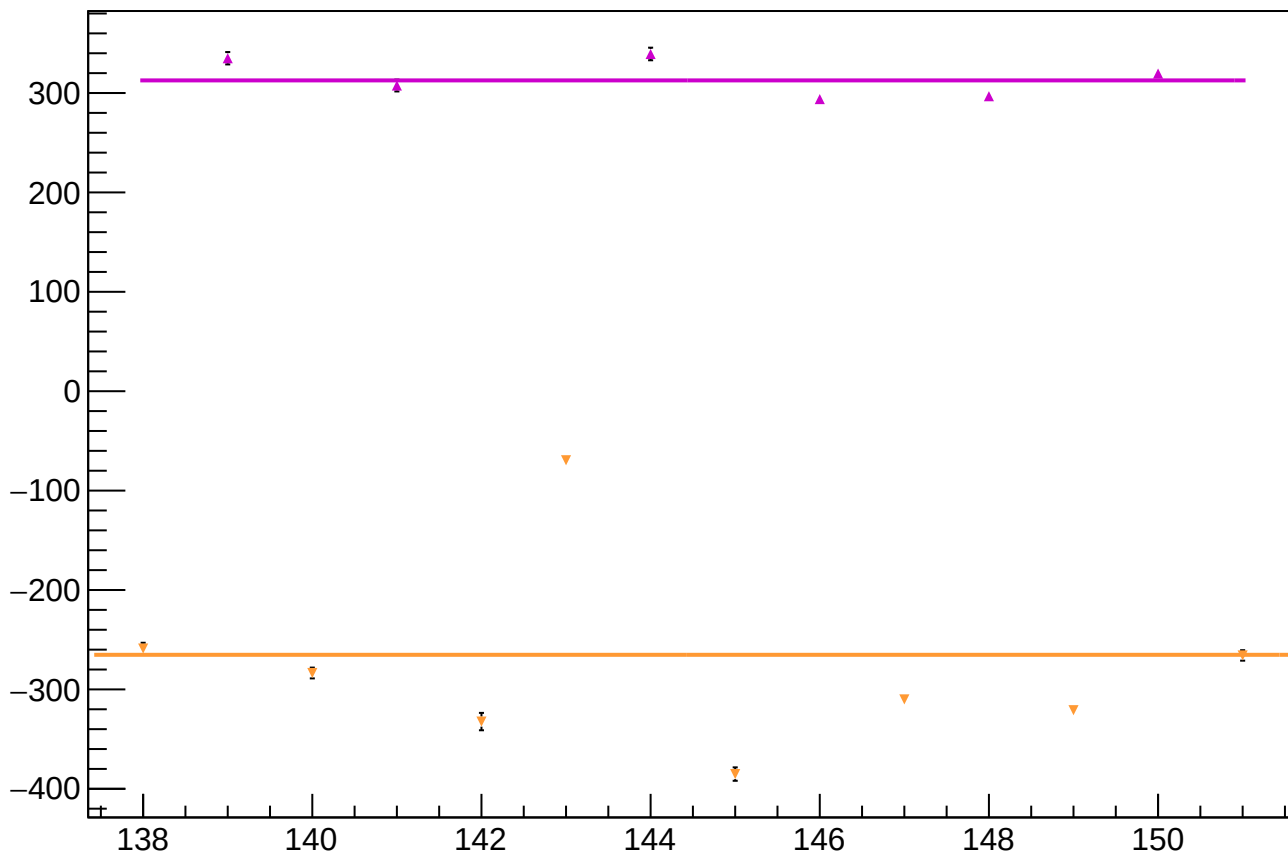
Left In: -120.963+/-0.070 χ^2/NDF : 1428.0/5

125.052+/-0.053 χ^2/NDF : 209852.9/24

6.381+/-0.037 χ^2/NDF : 10609230.7/50

-103.171+/-0.051 χ^2/NDF : 905386.8/25

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -265.200+/-1.970 χ^2/NDF : 2174.9/7

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

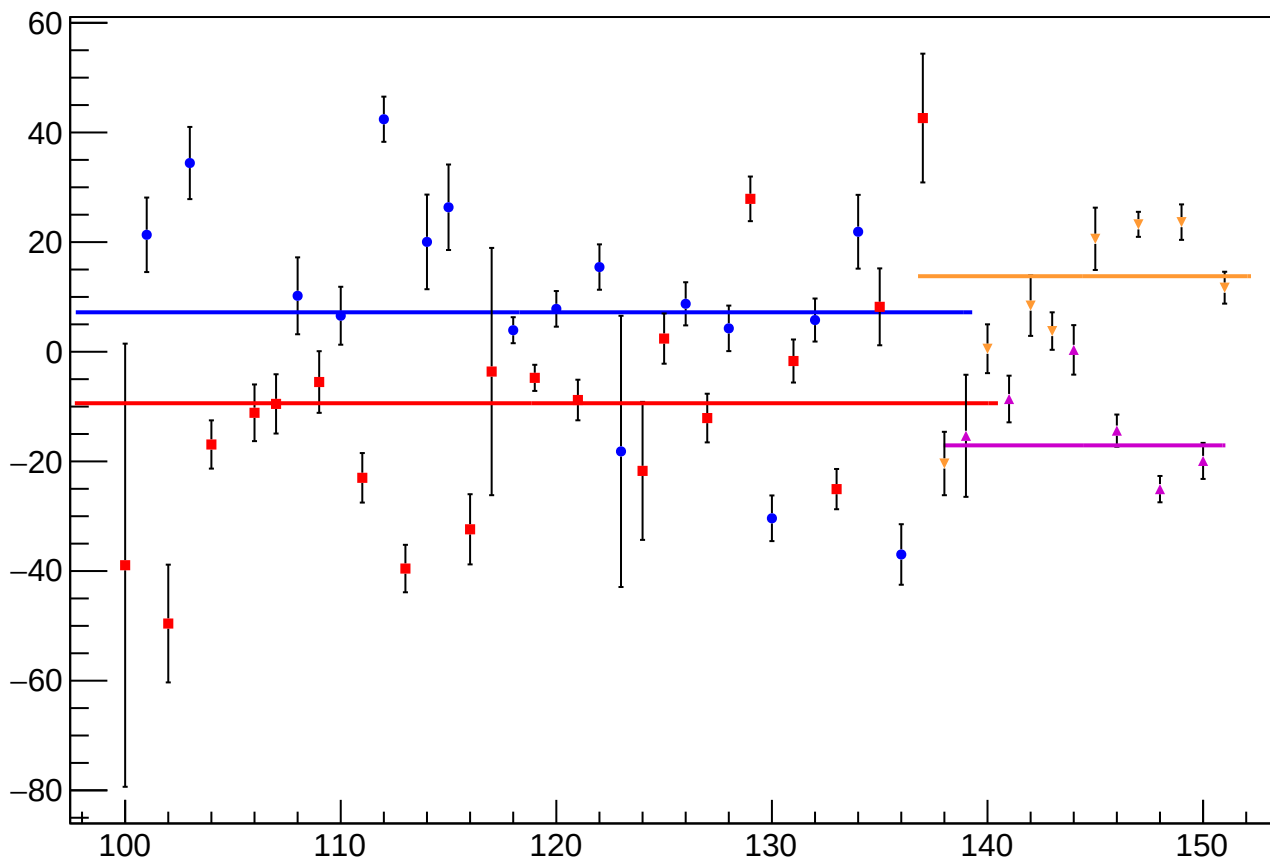
Left In: 312.690+/-2.234 χ^2/NDF : 57.2/5

-265.200+/-1.970 χ^2/NDF : 2174.9/7

-12.448+/-1.477 χ^2/NDF : 39885.0/13

312.690+/-2.234 χ^2/NDF : 57.2/5

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: 13.781 ± 1.255 $\chi^2/\text{NDF}: 81.7/7$

Right Out: -9.390 ± 1.070 $\chi^2/\text{NDF}: 232.2/19$

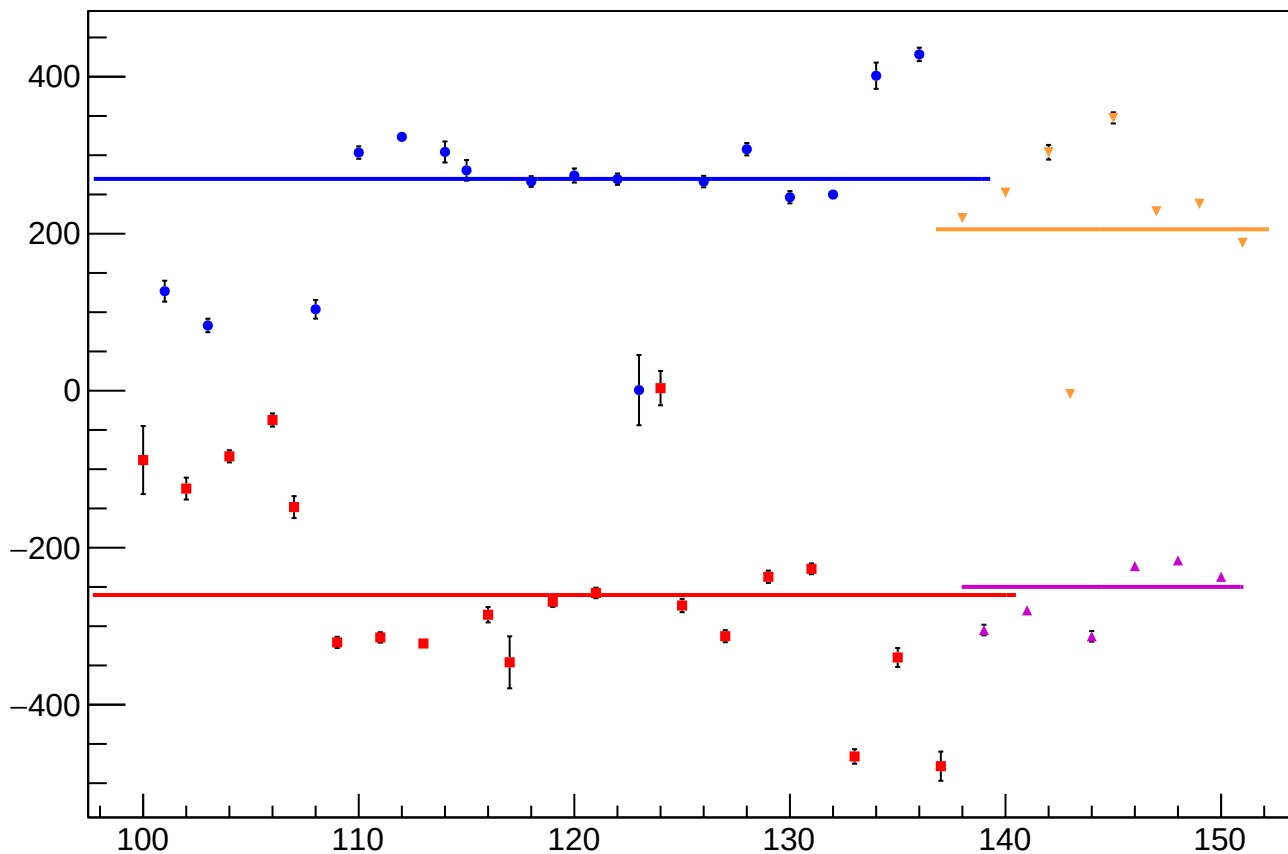
Left In: -17.075 ± 1.422 $\chi^2/\text{NDF}: 31.5/5$

10.068 ± 0.828 $\chi^2/\text{NDF}: 358.1/24$

-0.699 ± 0.595 $\chi^2/\text{NDF}: 989.2/50$

-12.167 ± 0.855 $\chi^2/\text{NDF}: 282.4/25$

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: 205.646 ± 1.975 χ^2/NDF : 2262.1/7

Right Out: -260.286 ± 1.973 χ^2/NDF : 2545.4/19

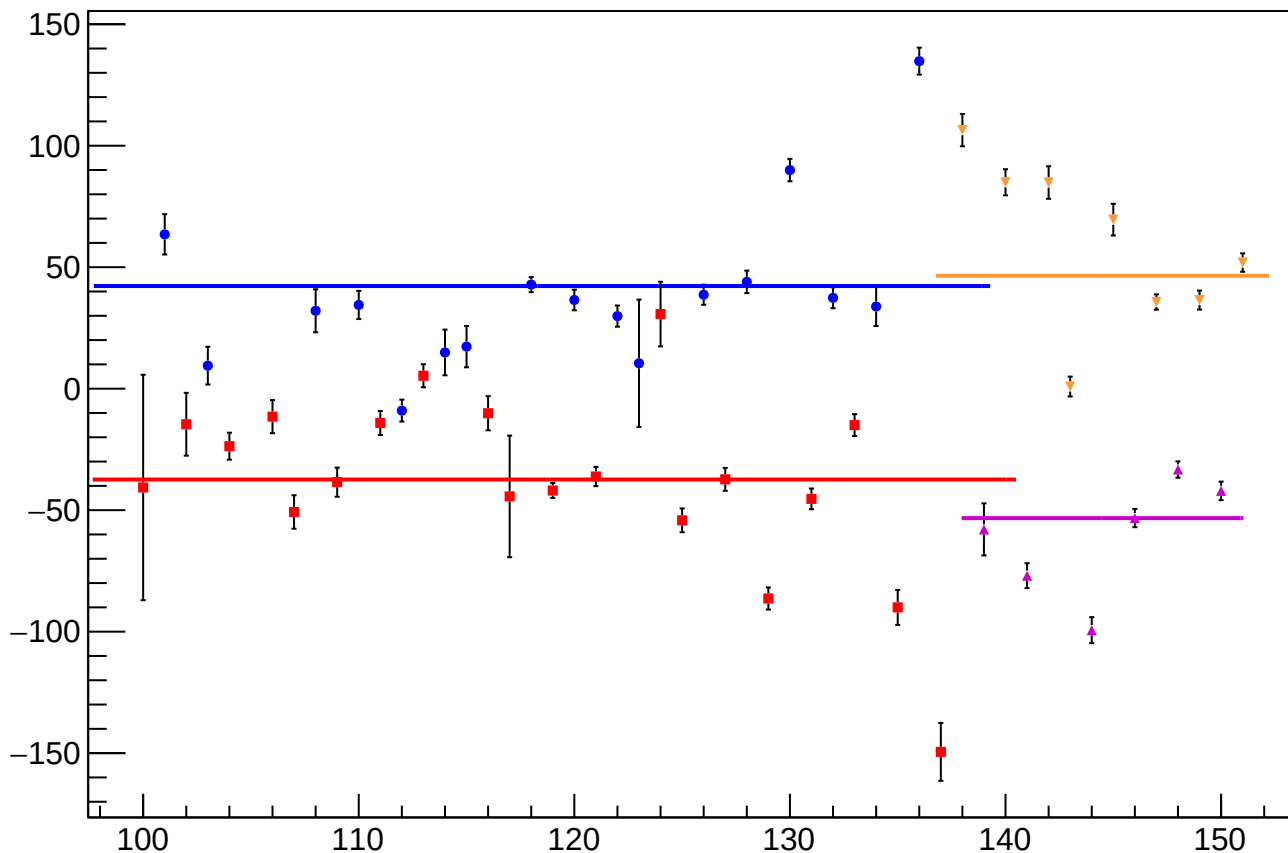
Left In: -249.931 ± 2.205 χ^2/NDF : 265.2/5

235.928 ± 1.435 χ^2/NDF : 4134.2/24

-3.895 ± 1.027 χ^2/NDF : 64192.8/50

-255.681 ± 1.471 χ^2/NDF : 2822.8/25

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.242 ± 1.274 χ^2/NDF : 574.4/16

Left Out: 46.469 ± 1.584 χ^2/NDF : 322.7/7

Right Out: -37.384 ± 1.233 χ^2/NDF : 472.4/19

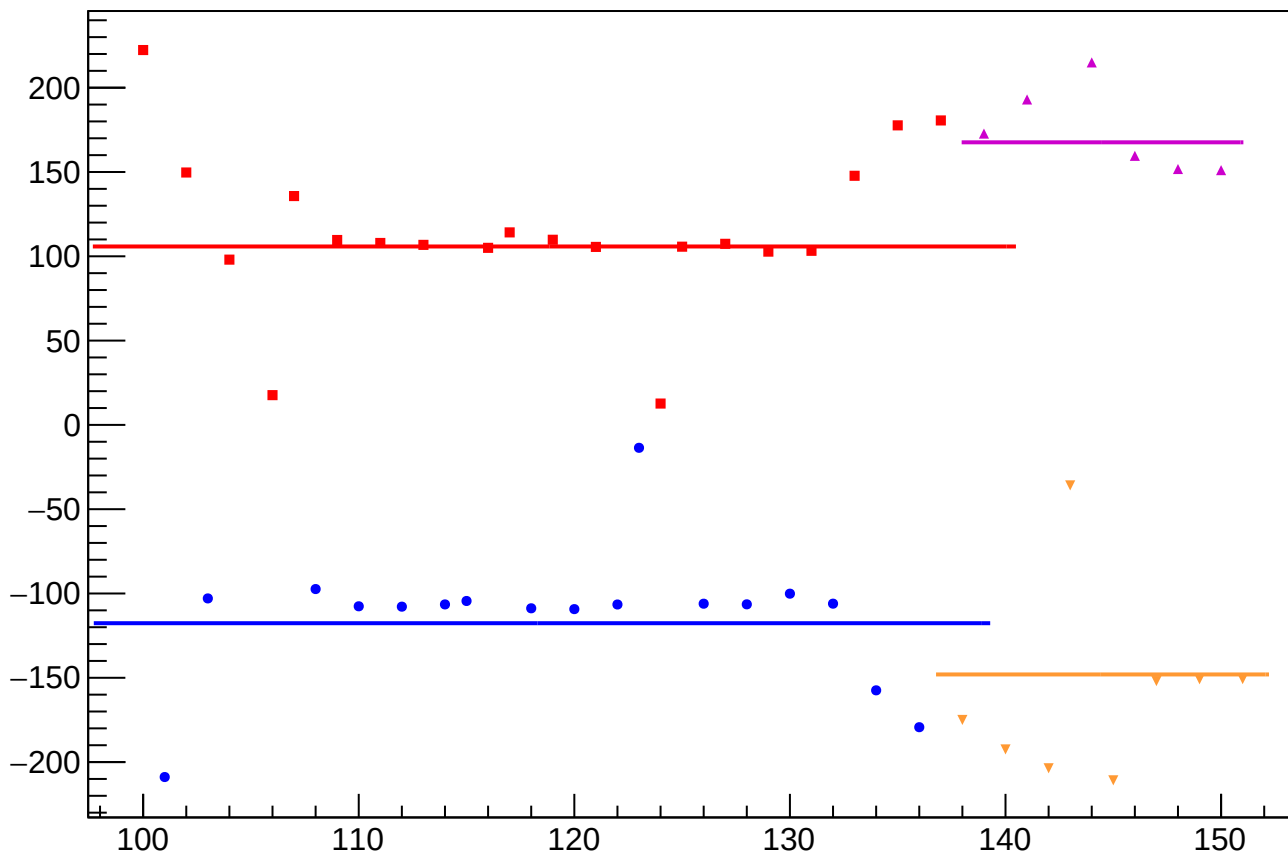
Left In: -53.279 ± 1.797 χ^2/NDF : 139.8/5

43.902 ± 0.992 χ^2/NDF : 901.4/24

1.758 ± 0.710 χ^2/NDF : 5262.4/50

-42.471 ± 1.017 χ^2/NDF : 665.3/25

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: -148.019+/-0.084 χ^2/NDF : 399488.3/7

Right Out: 105.826+/-0.073 χ^2/NDF : 323138.4/19

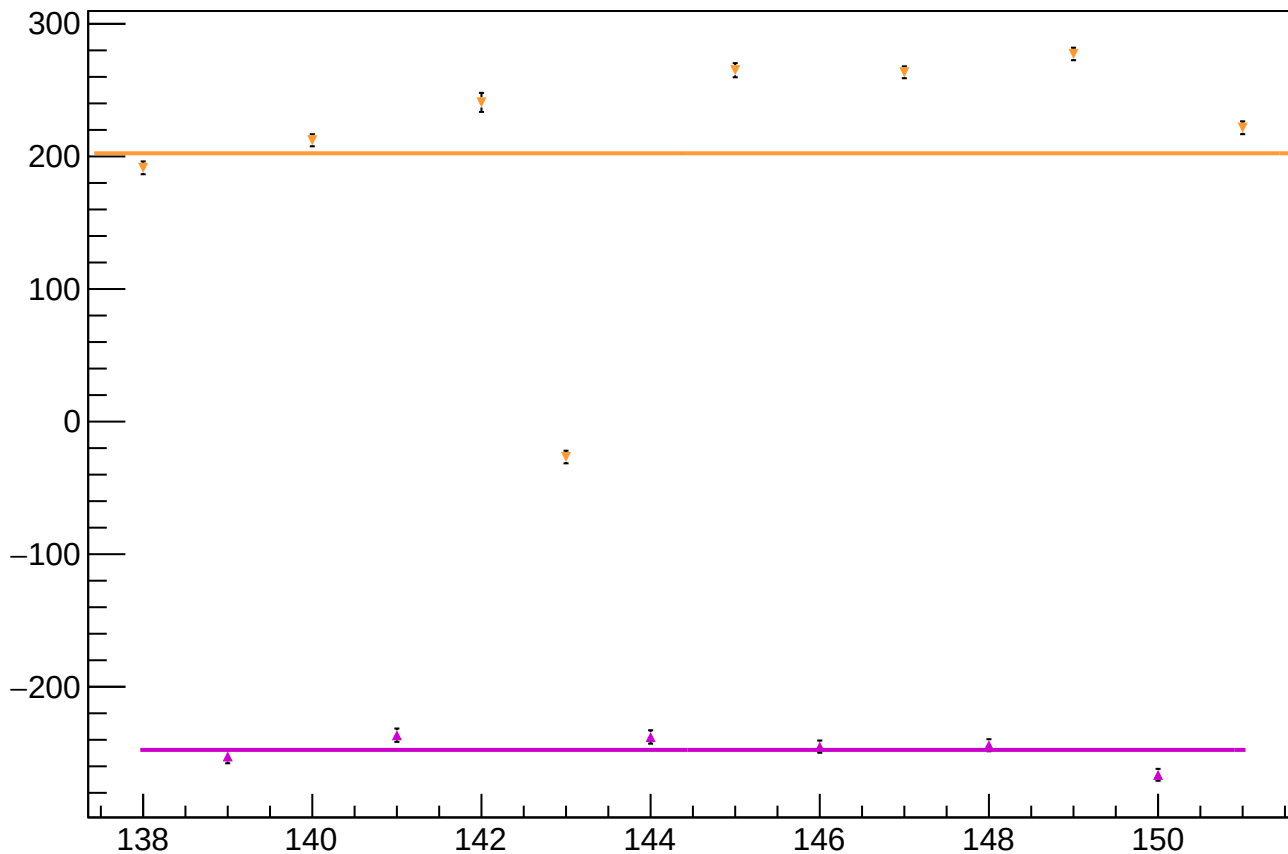
Left In: 167.607+/-0.092 χ^2/NDF : 50750.5/5

-131.769+/-0.057 χ^2/NDF : 611074.5/24

-0.565+/-0.041 χ^2/NDF : 11655869.8/50

129.448+/-0.057 χ^2/NDF : 649785.9/25

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: 202.371+/-1.752 χ^2/NDF : 2948.8/7

202.371+/-1.752 χ^2/NDF : 2948.8/7

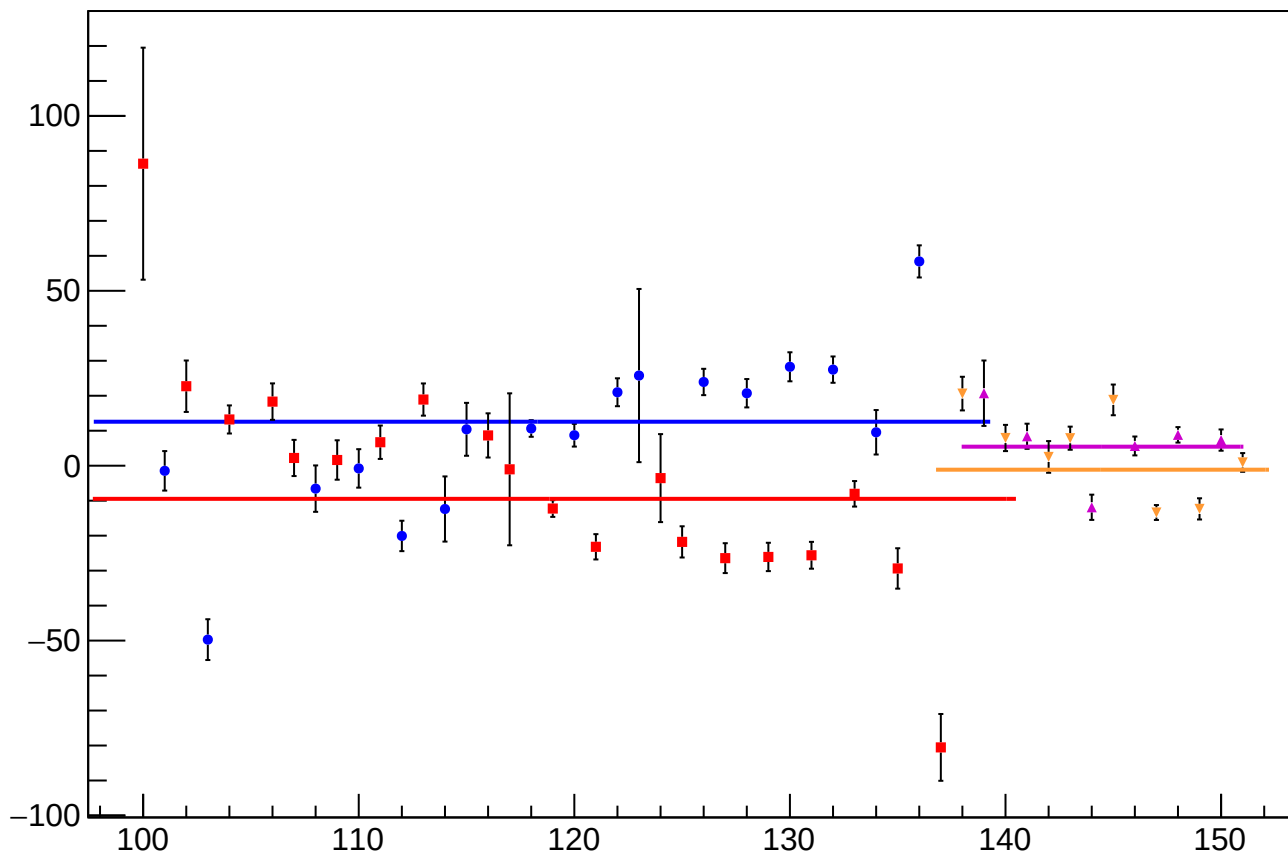
3.018+/-1.307 χ^2/NDF : 32206.4/13

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

-247.617+/-1.964 χ^2/NDF : 27.7/5

Left In: -247.617+/-1.964 χ^2/NDF : 27.7/5

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.574 ± 1.074 χ^2/NDF : 348.0/16

Left Out: -1.141 ± 1.136 χ^2/NDF : 102.3/7

Right Out: -9.474 ± 1.046 χ^2/NDF : 296.0/19

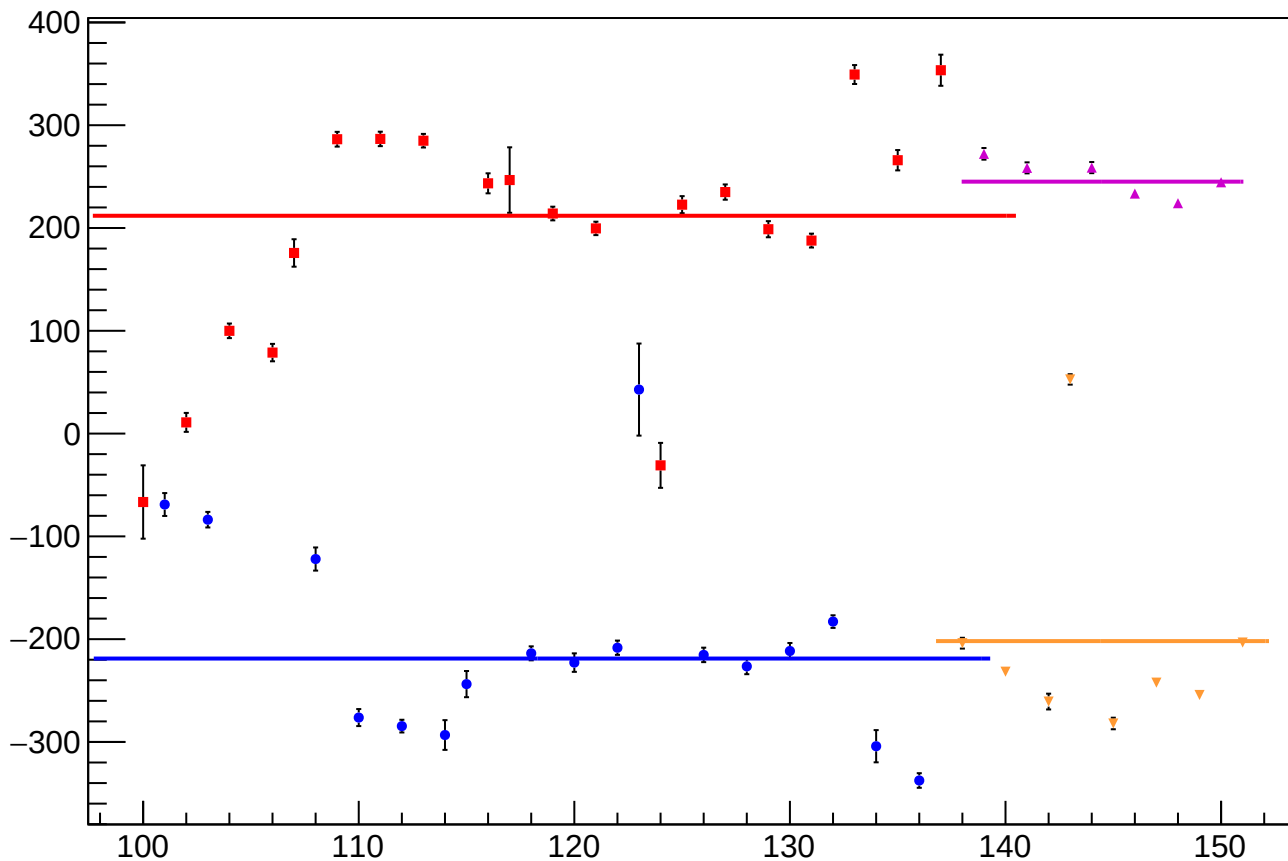
Left In: 5.440 ± 1.274 χ^2/NDF : 29.2/5

6.100 ± 0.780 χ^2/NDF : 527.2/24

1.486 ± 0.562 χ^2/NDF : 1006.7/50

-3.467 ± 0.809 χ^2/NDF : 407.0/25

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -218.855 $\pm$ 2.023 χ^2 /NDF: 1146.6/16

Left Out: -201.882 $\pm$ 1.767 χ^2 /NDF:3047.6/7

Right Out: 211.907 $\pm$ 1.920 χ^2 /NDF: 1886.4/19

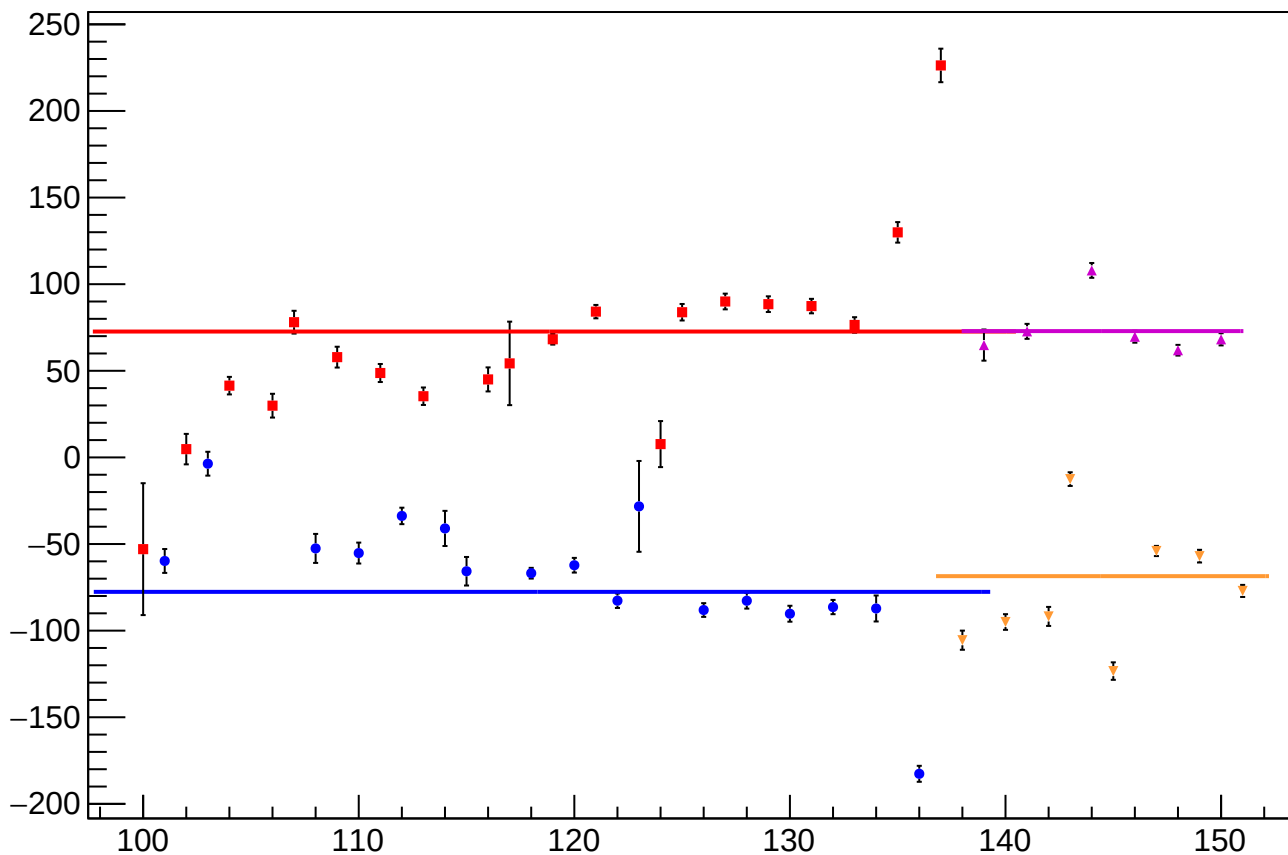
Left In: 245.090 $\pm$ 1.952 χ^2 /NDF:66.5/5

-209.229 $\pm$ 1.331 χ^2 /NDF: 4234.1/24

3.286 $\pm$ 0.954 χ^2 /NDF: 58836.7/50

228.225 $\pm$ 1.369 χ^2 /NDF: 2099.7/25

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: -68.548+/-1.428 χ^2/NDF : 456.0/7

Right Out: 72.664+/-1.205 χ^2/NDF : 672.0/19

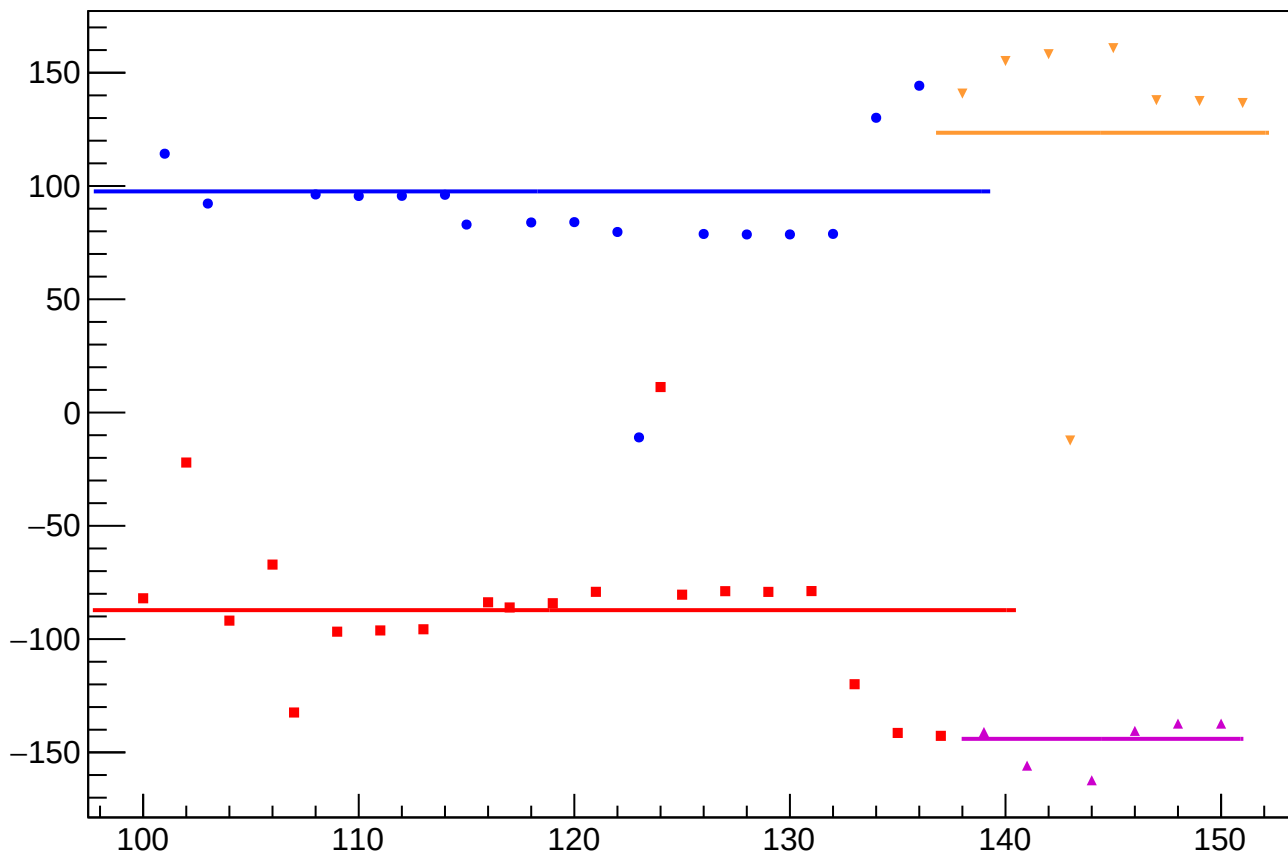
Left In: 72.915+/-1.602 χ^2/NDF : 83.4/5

-73.727+/-0.935 χ^2/NDF : 1294.9/24

-2.667+/-0.671 χ^2/NDF : 13965.7/50

72.755+/-0.963 χ^2/NDF : 755.4/25

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: 123.505+/-0.075 χ^2/NDF : 532237.8/7

Right Out: -87.224+/-0.068 χ^2/NDF : 220851.2/19

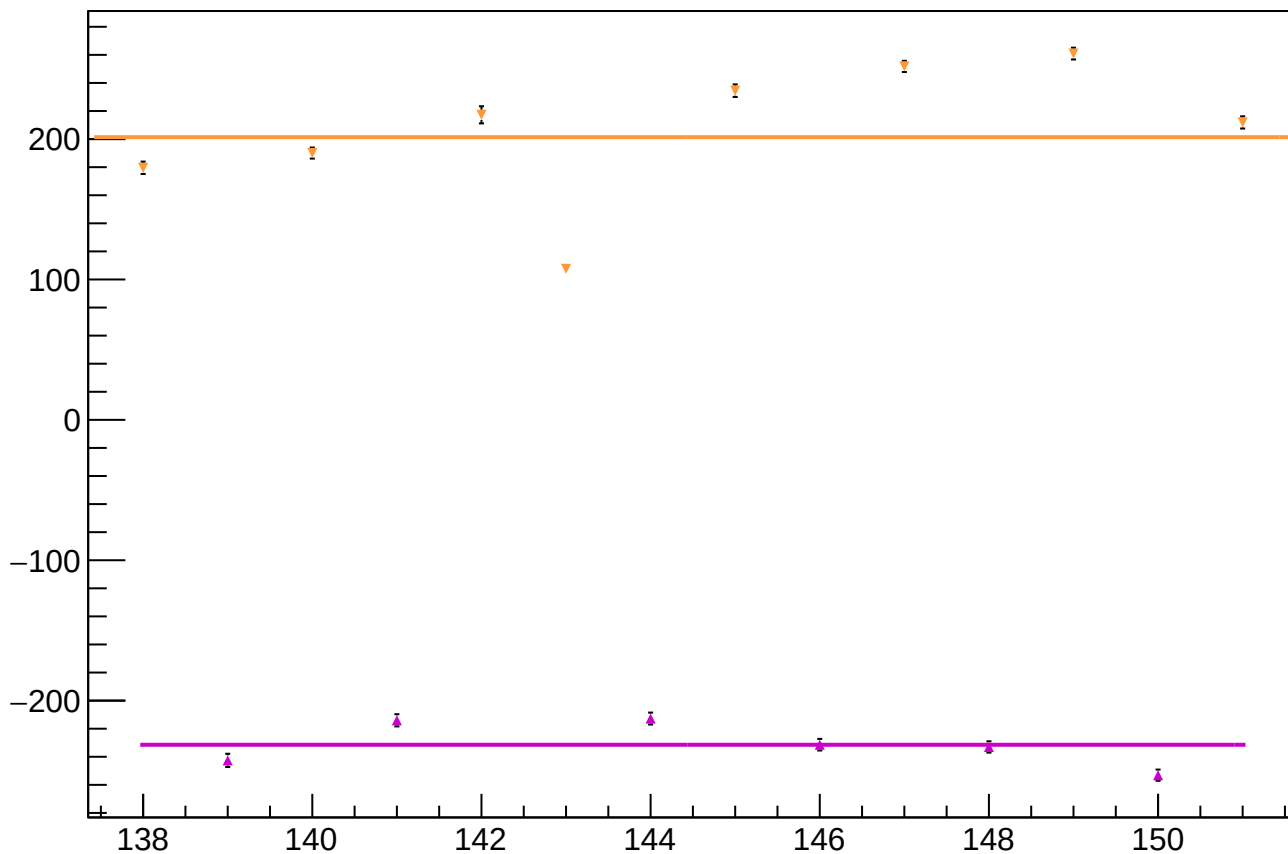
Left In: -144.030+/-0.082 χ^2/NDF : 12290.0/5

110.338+/-0.053 χ^2/NDF : 686872.6/24

-0.682+/-0.037 χ^2/NDF : 10080751.5/50

-110.604+/-0.052 χ^2/NDF : 518732.7/25

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: 201.363+/-1.506 χ^2/NDF :1143.3/7

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

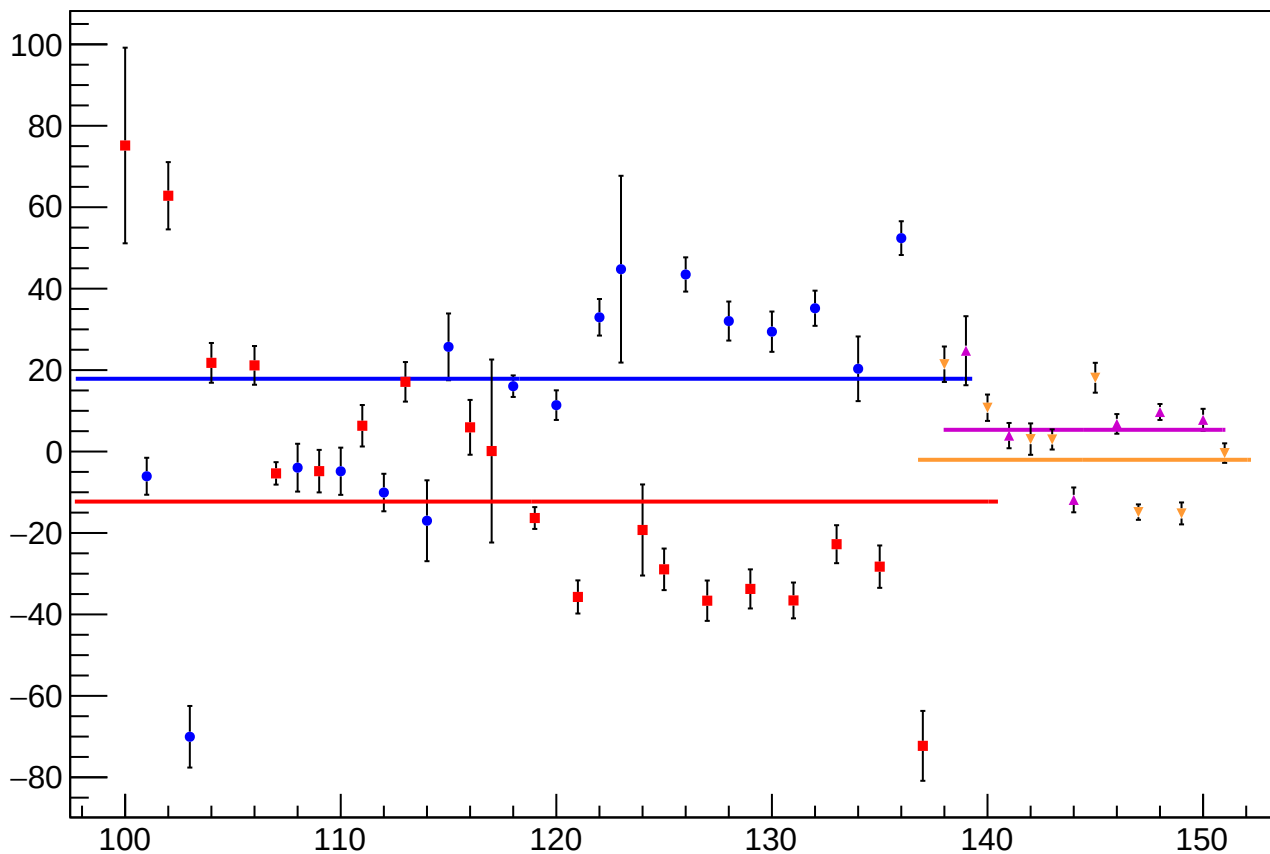
Left In: -231.459+/-1.730 χ^2/NDF :70.0/5

201.363+/-1.506 χ^2/NDF : 1143.3/7

14.804+/-1.136 χ^2/NDF : 36837.1/13

-231.459+/-1.730 χ^2/NDF : 70.0/5

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.872 $\pm$ 1.166 χ^2 /NDF: 395.3/16

Left Out: -2.024 $\pm$ 0.979 χ^2 /NDF: 151.0/7

Right Out: -12.288 $\pm$ 1.082 χ^2 /NDF: 444.4/19

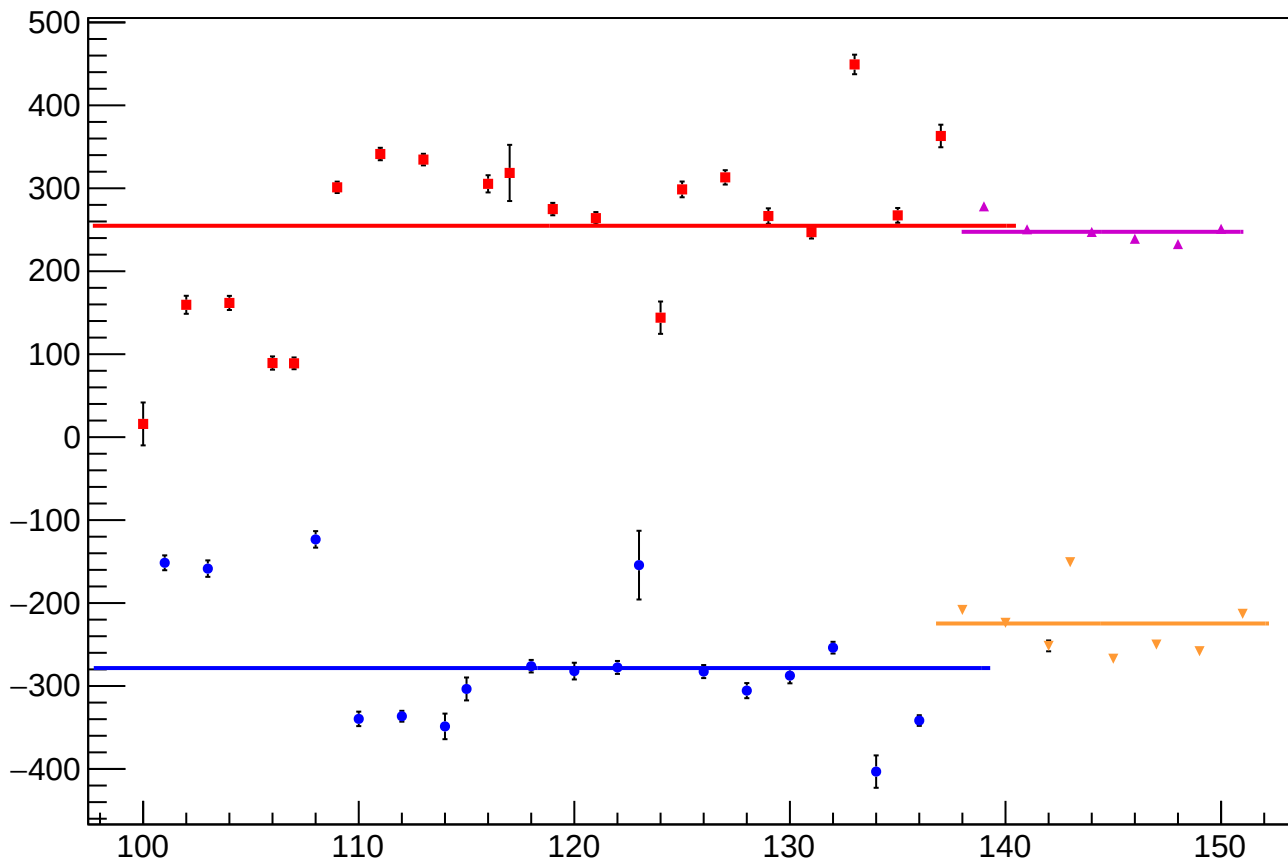
Left In: 5.338 $\pm$ 1.121 χ^2 /NDF: 43.5/5

6.204 $\pm$ 0.750 χ^2 /NDF: 717.2/24

1.397 $\pm$ 0.540 χ^2 /NDF: 1418.4/50

-3.789 $\pm$ 0.779 χ^2 /NDF: 615.8/25

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -278.380+/-2.185 χ^2/NDF : 910.6/16

Left Out: -224.658+/-1.524 χ^2/NDF : 607.4/7

Right Out: 254.830+/-2.016 χ^2/NDF : 2041.0/19

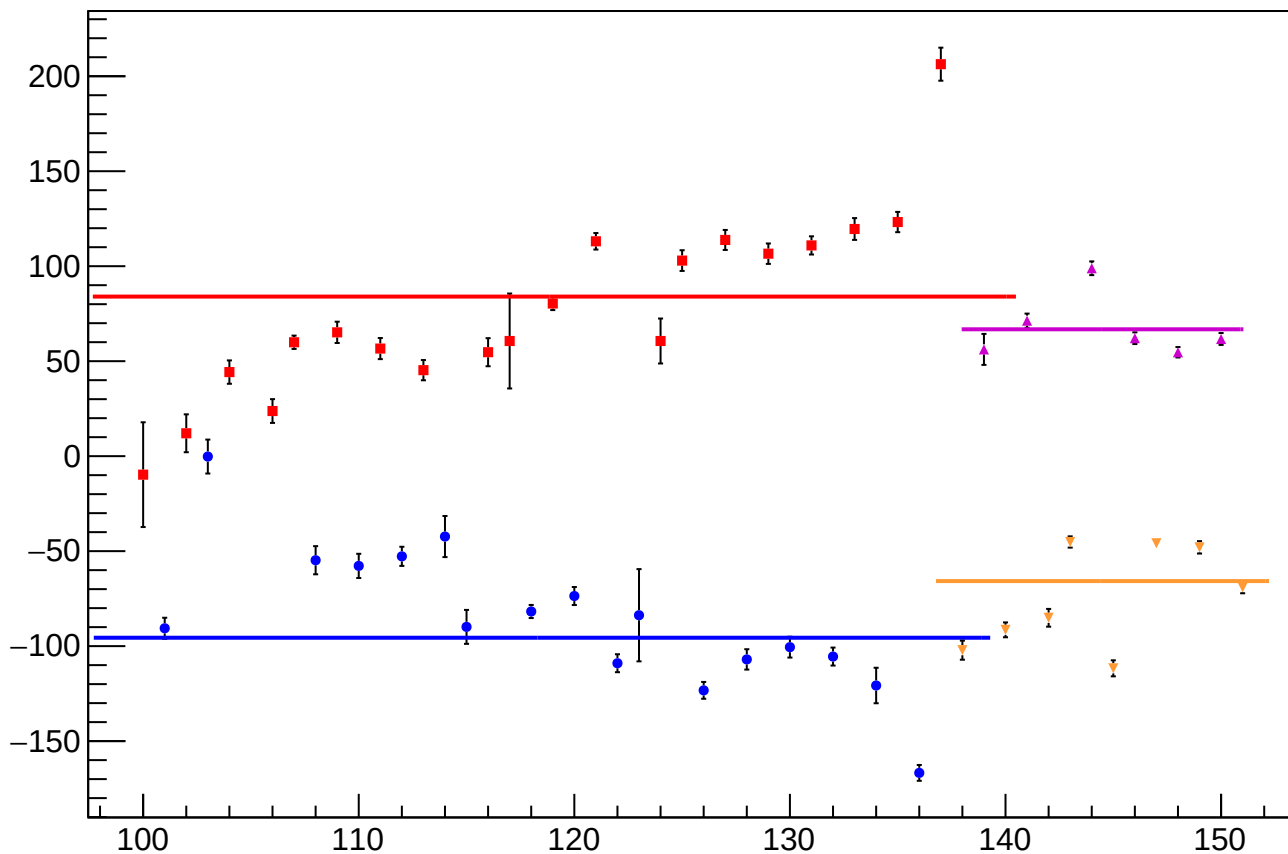
Left In: 247.536+/-1.721 χ^2/NDF : 57.0/5

-242.246+/-1.250 χ^2/NDF : 1924.7/24

-7.166+/-0.904 χ^2/NDF : 78169.2/50

250.611+/-1.309 χ^2/NDF : 2105.6/25

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: -65.756 ± 1.227 χ^2/NDF : 368.1/7

Right Out: 84.003 ± 1.255 χ^2/NDF : 784.1/19

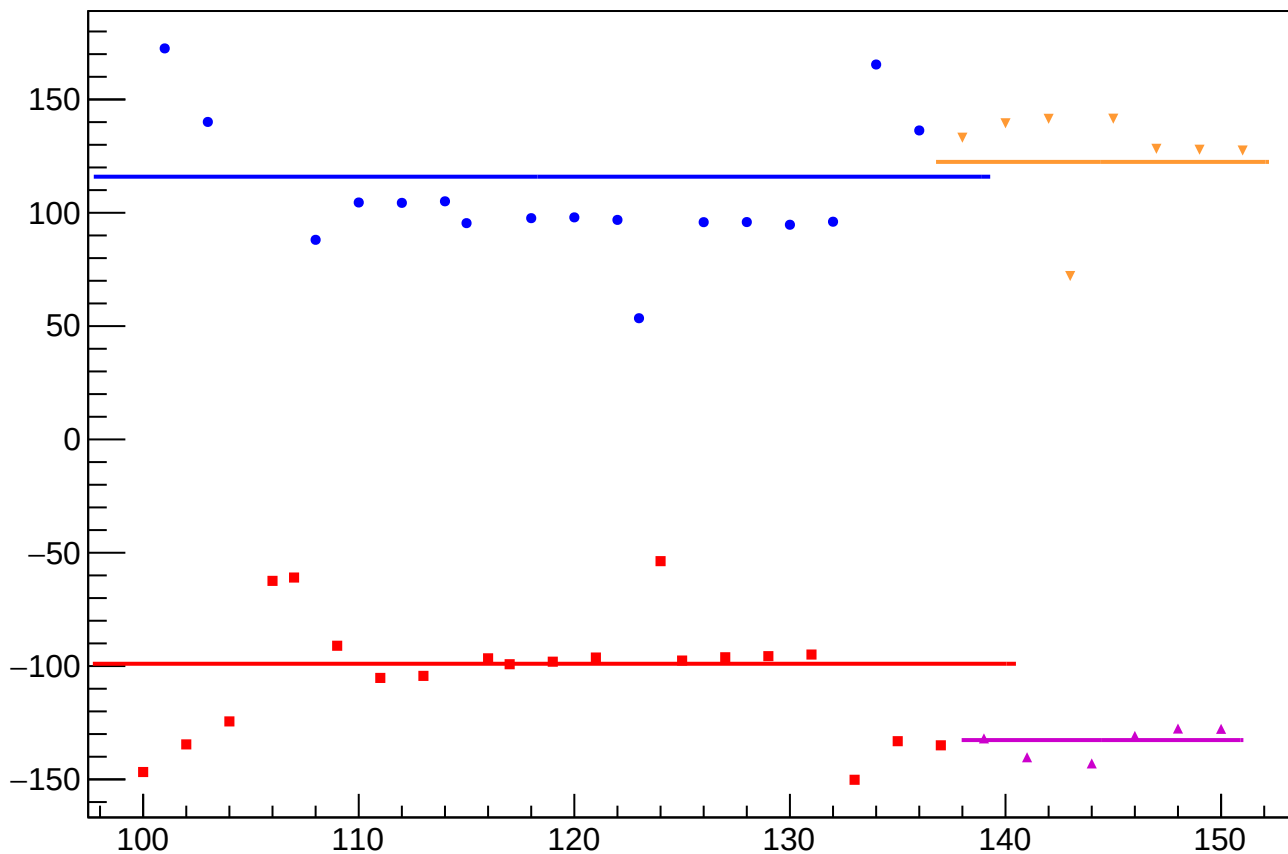
Left In: 66.784 ± 1.409 χ^2/NDF : 106.5/5

-79.352 ± 0.905 χ^2/NDF : 1308.6/24

-4.207 ± 0.651 χ^2/NDF : 16567.8/50

76.387 ± 0.937 χ^2/NDF : 973.9/25

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: 122.459+/-0.065 χ^2/NDF :137916.6/7

Right Out: -98.982+/-0.068 χ^2/NDF : 172974.2/19

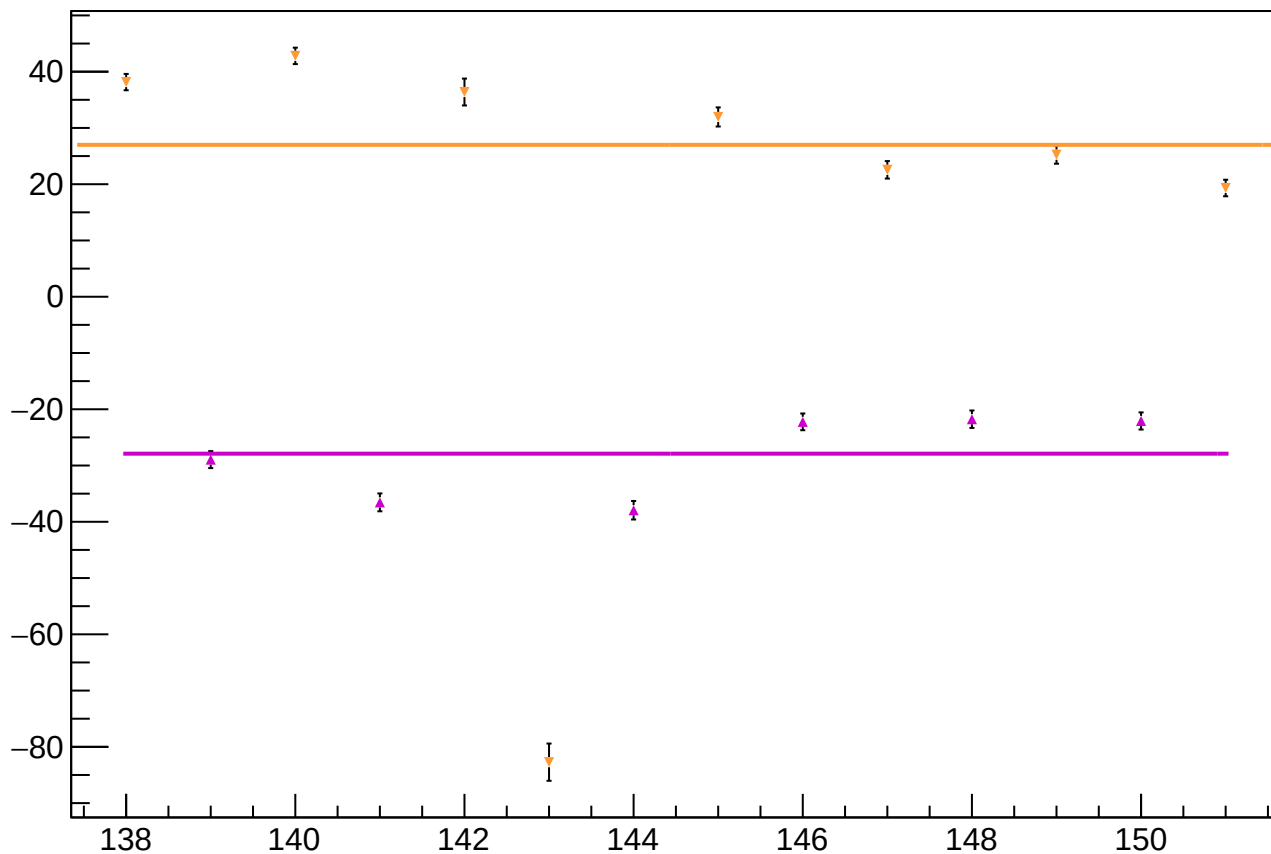
Left In: -132.654+/-0.072 χ^2/NDF :6399.6/5

119.822+/-0.050 χ^2/NDF : 247844.2/24

1.926+/-0.035 χ^2/NDF : 11690813.2/50

-114.977+/-0.050 χ^2/NDF : 294215.6/25

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 26.997+/-0.595 χ^2/NDF : 1335.5/7

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

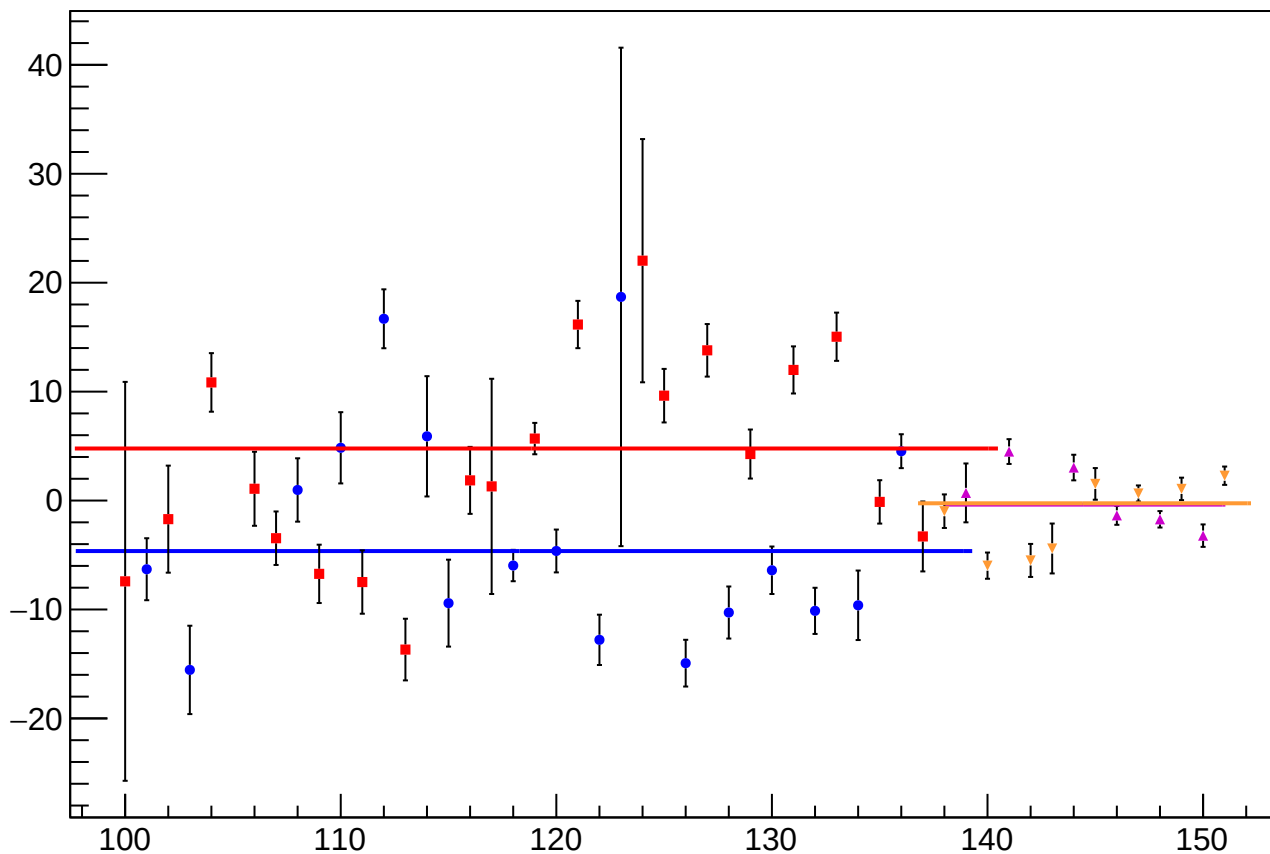
Left In: -27.893+/-0.632 χ^2/NDF : 112.3/5

26.997+/-0.595 χ^2/NDF : 1335.5/7

1.186+/-0.433 χ^2/NDF : 5449.9/13

-27.893+/-0.632 χ^2/NDF : 112.3/5

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.637 ± 0.588 χ^2/NDF : 174.4/16

Left Out: -0.252 ± 0.395 χ^2/NDF : 51.8/7

Right Out: 4.779 ± 0.583 χ^2/NDF : 192.7/19

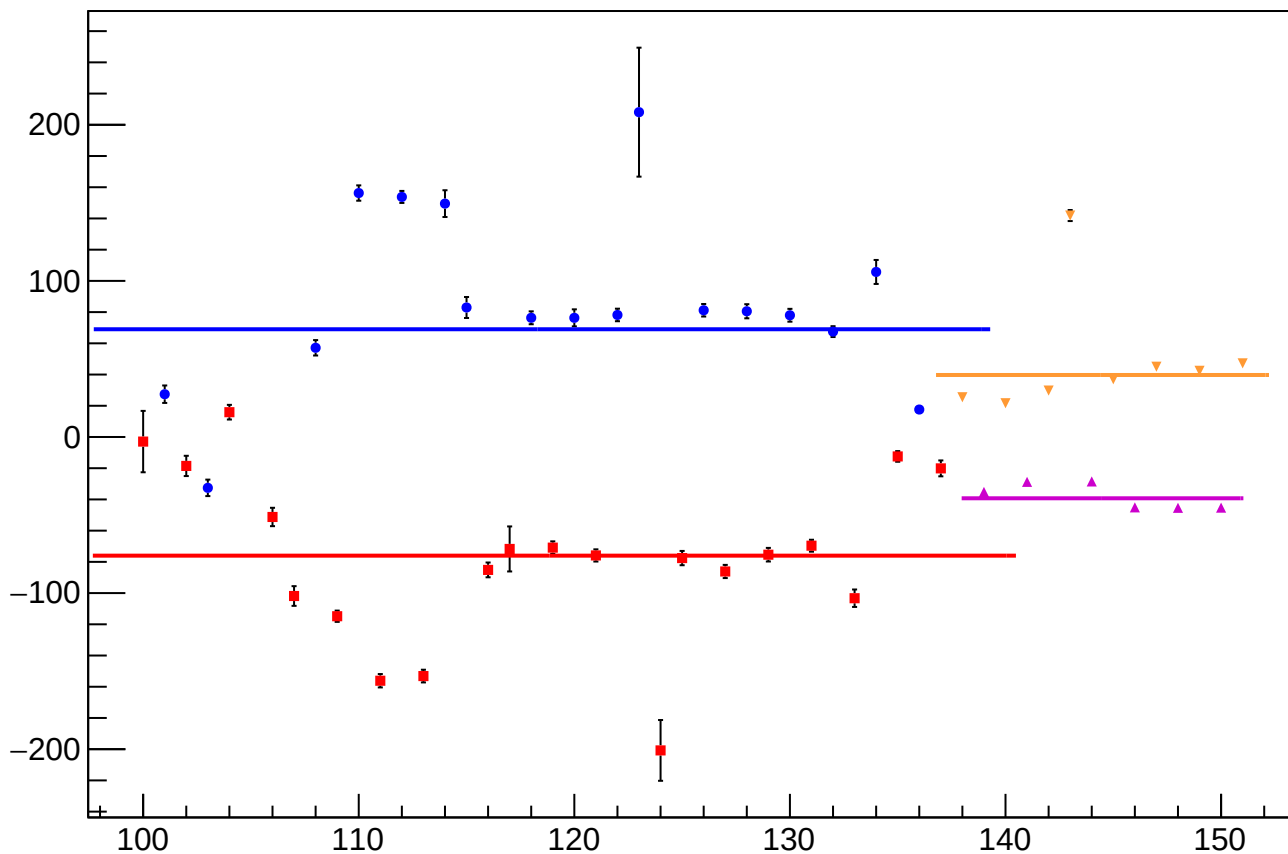
Left In: -0.373 ± 0.420 χ^2/NDF : 39.0/5

-1.617 ± 0.328 χ^2/NDF : 264.6/24

-0.174 ± 0.236 χ^2/NDF : 587.9/50

1.386 ± 0.341 χ^2/NDF : 283.0/25

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 69.019 ± 1.083 $\chi^2/\text{NDF}: 1848.0/16$

Left Out: 39.725 ± 0.598 $\chi^2/\text{NDF}: 1115.4/7$

Right Out: -76.017 ± 1.067 $\chi^2/\text{NDF}: 1882.0/19$

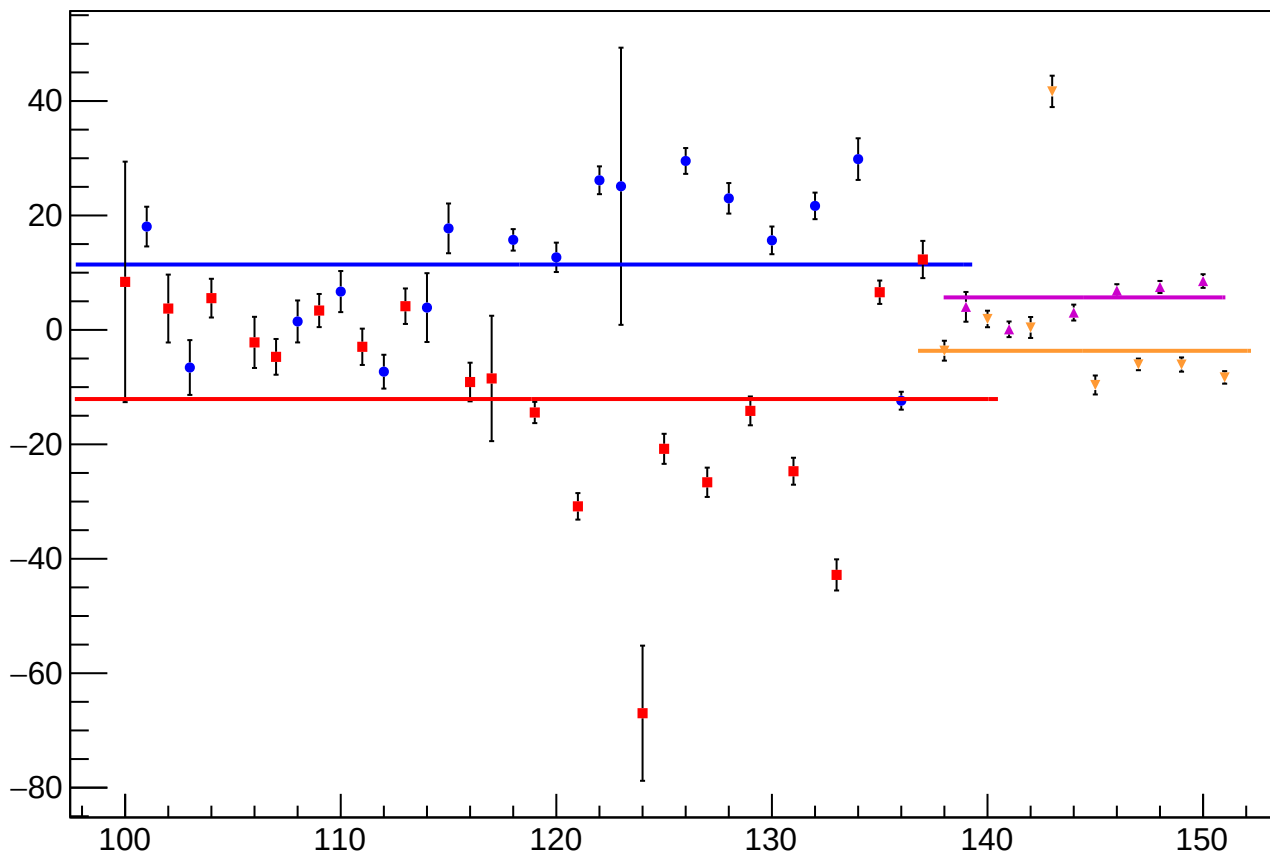
Left In: -39.270 ± 0.631 $\chi^2/\text{NDF}: 134.8/5$

46.570 ± 0.524 $\chi^2/\text{NDF}: 3523.7/24$

0.627 ± 0.377 $\chi^2/\text{NDF}: 22393.0/50$

-48.795 ± 0.543 $\chi^2/\text{NDF}: 2895.6/25$

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: -3.653+/-0.496 χ^2/NDF : 333.2/7

Right Out: -12.082+/-0.663 χ^2/NDF : 539.2/19

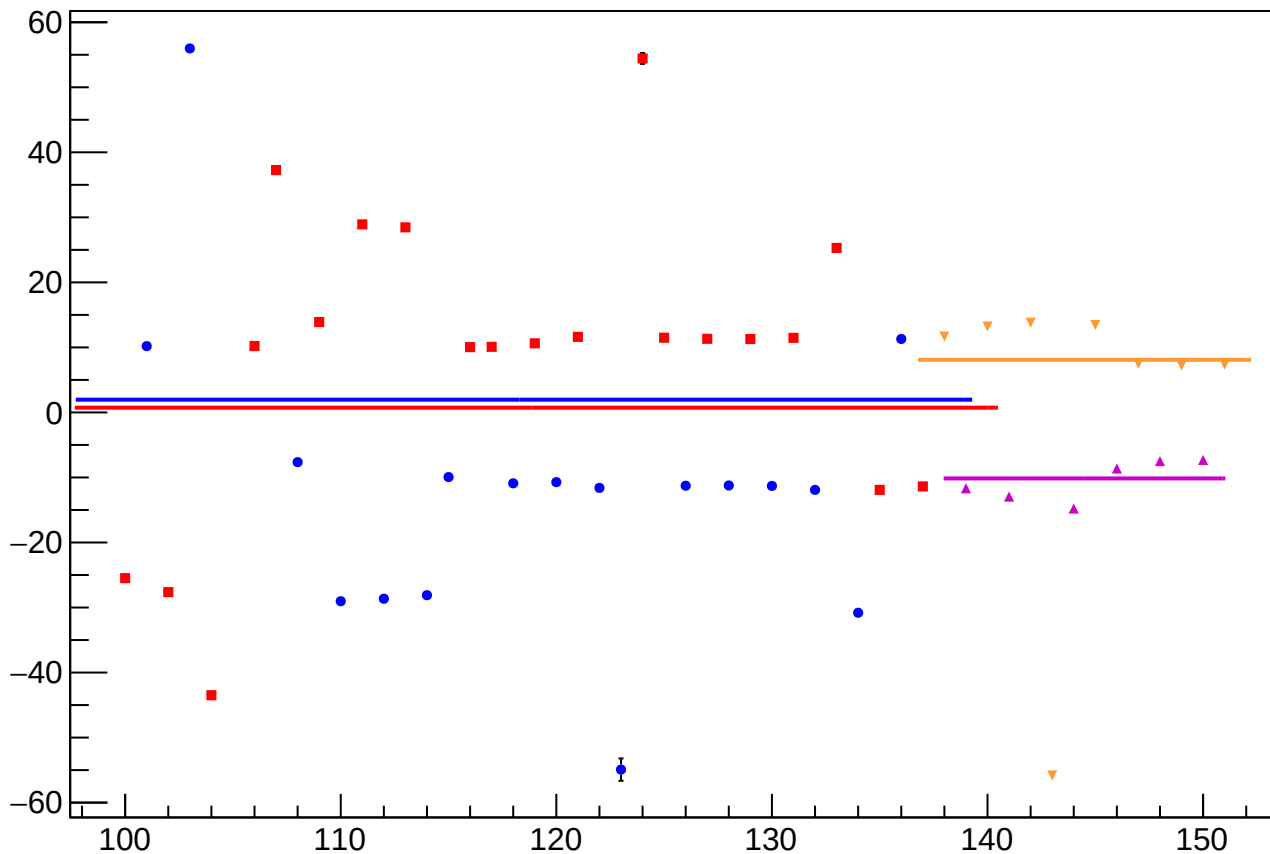
Left In: 5.682+/-0.526 χ^2/NDF : 30.6/5

1.740+/-0.398 χ^2/NDF : 1139.9/24

0.328+/-0.286 χ^2/NDF : 2176.5/50

-1.185+/-0.412 χ^2/NDF : 1010.5/25

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: 8.091 ± 0.025 χ^2/NDF : 222422.3/7

Right Out: 0.733 ± 0.037 χ^2/NDF : 361368.4/19

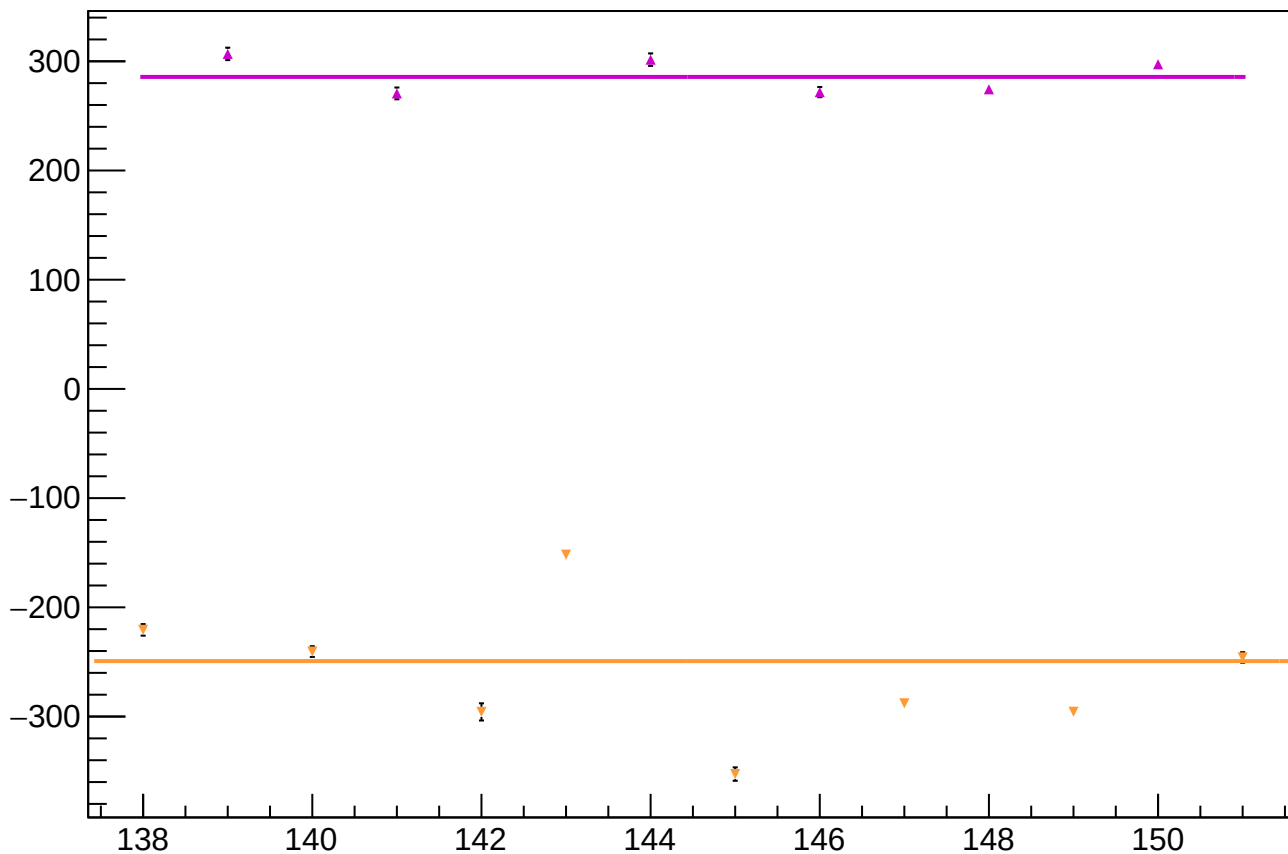
Left In: -10.147 ± 0.026 χ^2/NDF : 10676.1/5

6.146 ± 0.021 χ^2/NDF : 599477.6/24

-0.060 ± 0.015 χ^2/NDF : 1208794.5/50

-6.532 ± 0.021 χ^2/NDF : 429586.4/25

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -249.224+/-1.757 χ^2/NDF : 1124.8/7

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

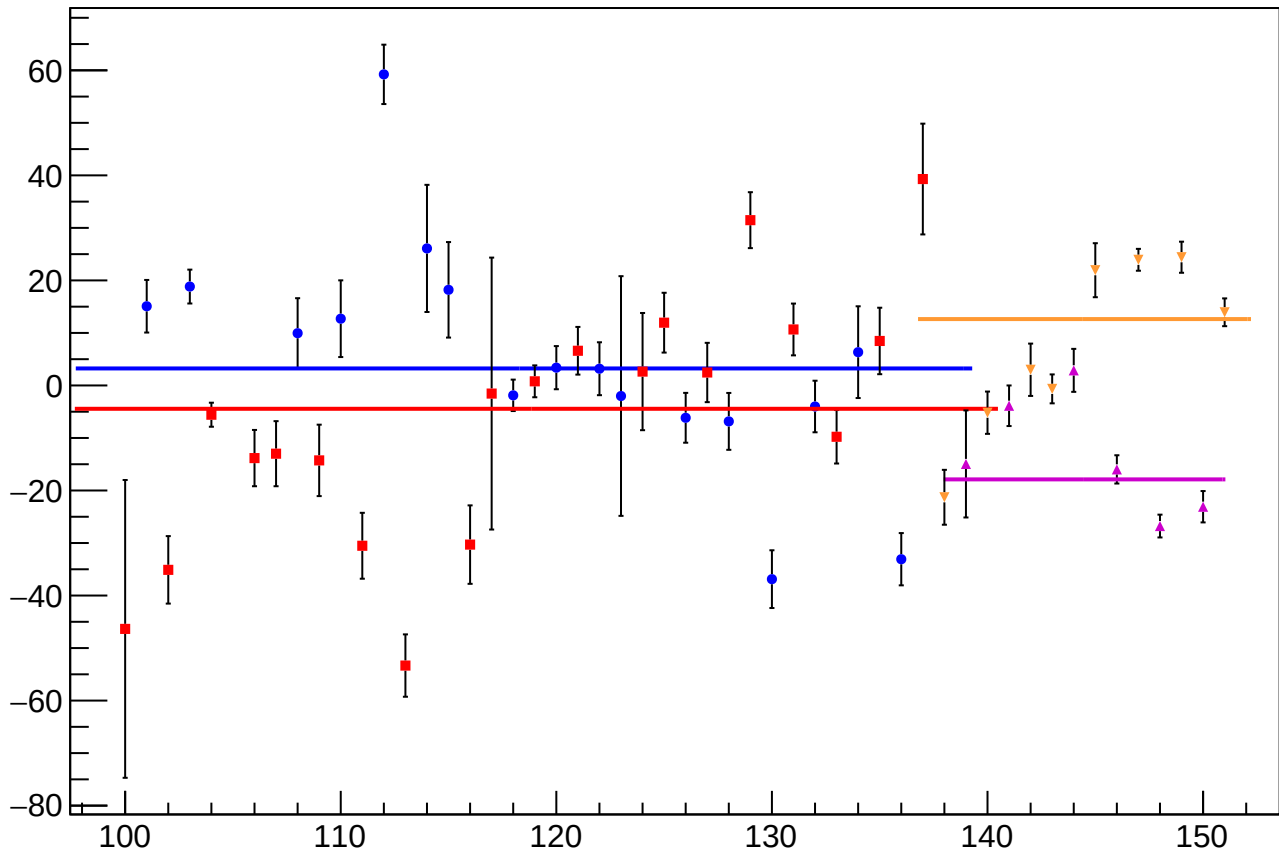
Left In: 285.701+/-2.033 χ^2/NDF : 51.1/5

-249.224+/-1.757 χ^2/NDF : 1124.8/7

-20.625+/-1.329 χ^2/NDF : 40802.9/13

285.701+/-2.033 χ^2/NDF : 51.1/5

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.237 $\pm$ 1.244 χ^2 /NDF: 255.3/16

Left Out: 12.638 $\pm$ 1.121 χ^2 /NDF:137.5/7

Right Out: -4.444 $\pm$ 1.156 χ^2 /NDF: 225.8/19

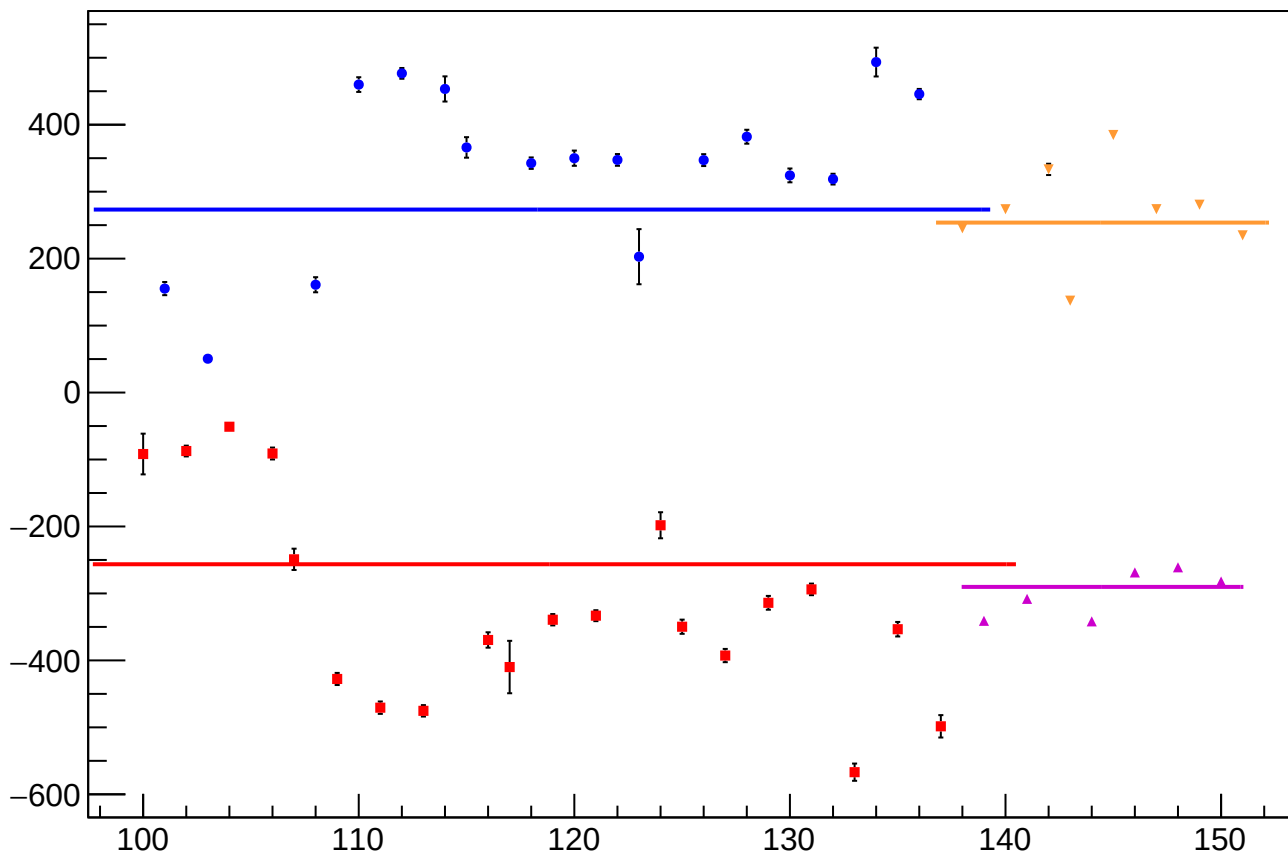
Left In: -17.886 $\pm$ 1.292 χ^2 /NDF:59.3/5

8.424 $\pm$ 0.833 χ^2 /NDF: 424.4/24

-0.676 $\pm$ 0.599 χ^2 /NDF: 1016.9/50

-10.419 $\pm$ 0.862 χ^2 /NDF: 345.2/25

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: 253.821 $\pm$ 1.766 χ^2/NDF :1345.3/7

Right Out: -256.418 $\pm$ 2.077 χ^2/NDF : 6453.9/19

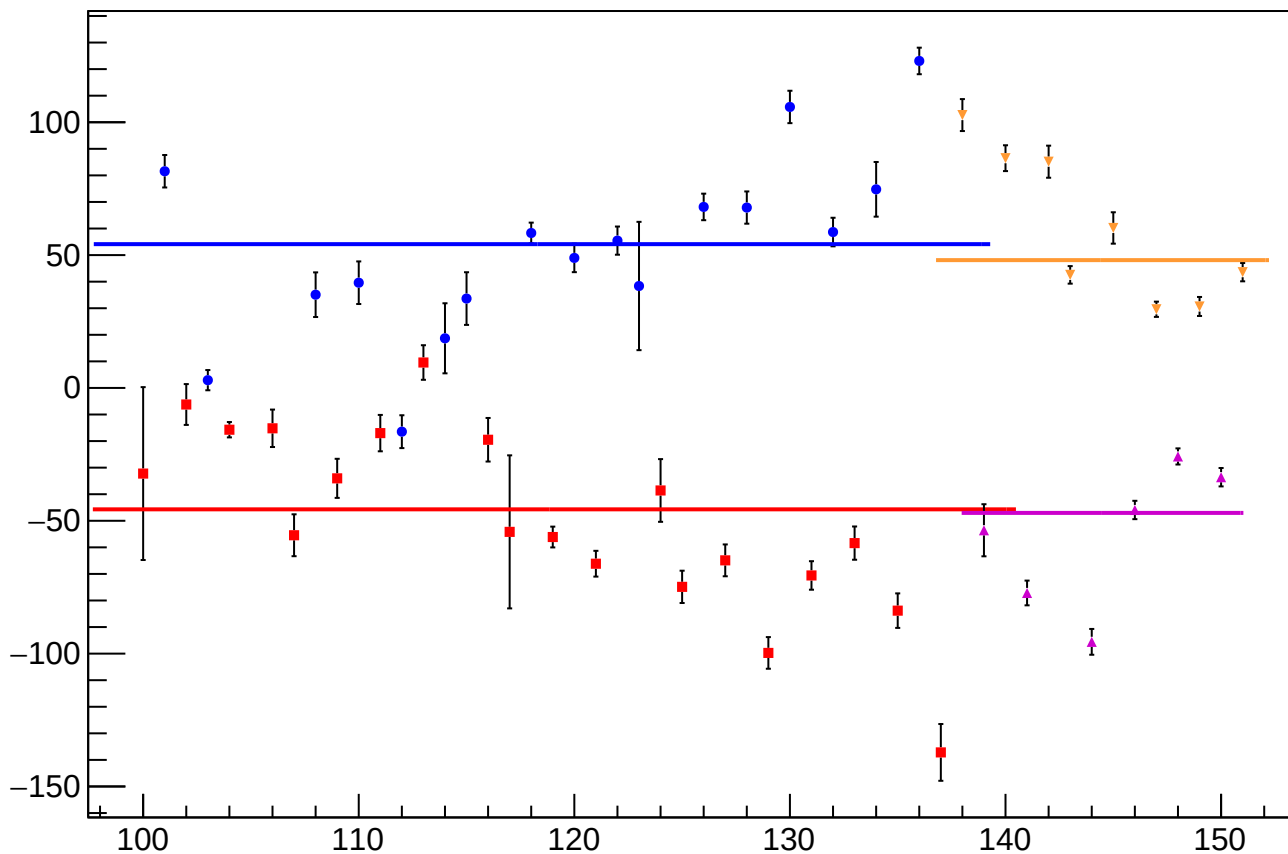
Left In: -290.235 $\pm$ 2.007 χ^2/NDF :222.7/5

261.427 $\pm$ 1.379 χ^2/NDF : 6494.2/24

6.046 $\pm$ 0.997 χ^2/NDF : 85248.5/50

-273.902 $\pm$ 1.443 χ^2/NDF : 6813.7/25

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 54.119 ± 1.438 $\chi^2/\text{NDF}: 633.9/16$

Left Out: 48.105 ± 1.412 $\chi^2/\text{NDF}: 256.3/7$

Right Out: -45.694 ± 1.356 $\chi^2/\text{NDF}: 531.1/19$

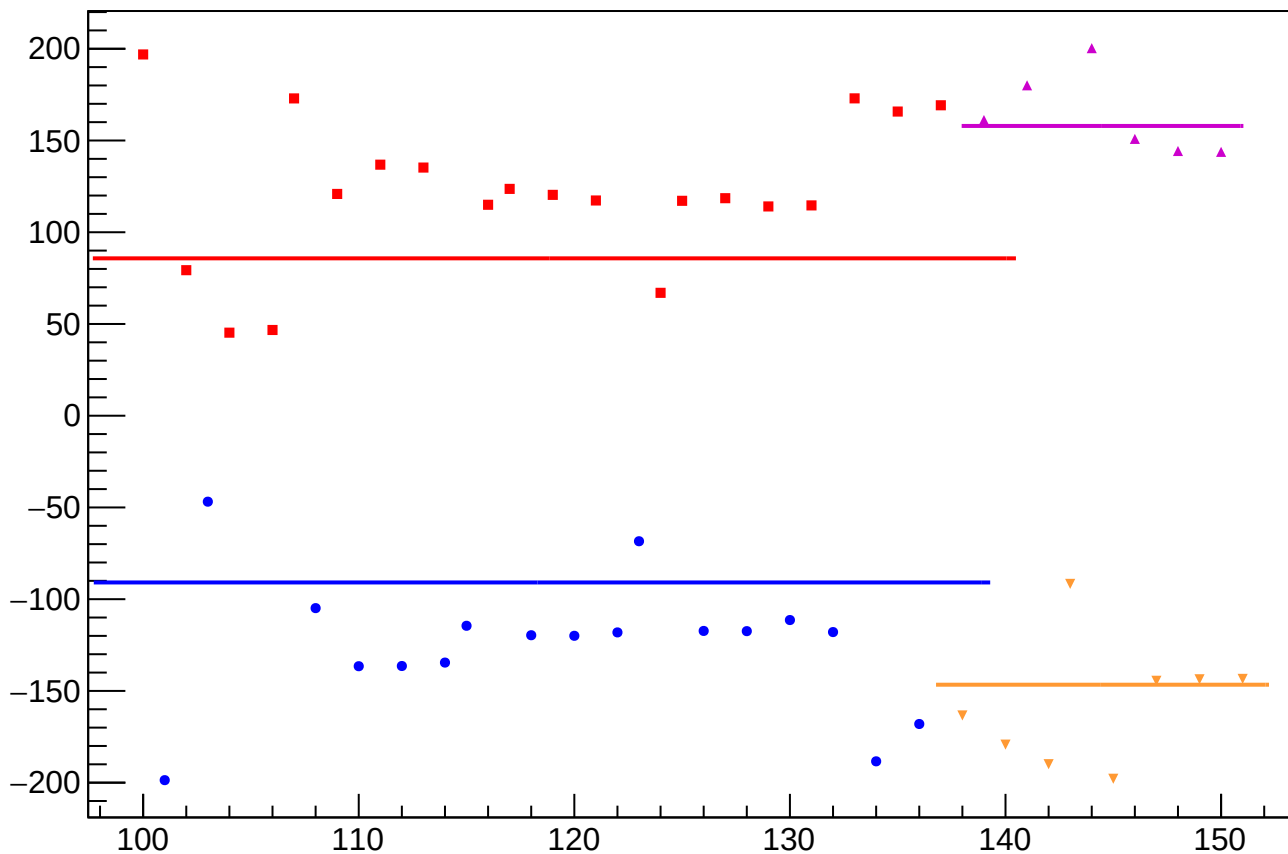
Left In: -47.034 ± 1.634 $\chi^2/\text{NDF}: 206.4/5$

51.059 ± 1.008 $\chi^2/\text{NDF}: 899.1/24$

4.098 ± 0.725 $\chi^2/\text{NDF}: 6137.7/50$

-46.240 ± 1.043 $\chi^2/\text{NDF}: 737.9/25$

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: -146.614 ± 0.075 $\chi^2/\text{NDF}: 186479.3/7$

Right Out: 85.772 ± 0.065 $\chi^2/\text{NDF}: 494629.5/19$

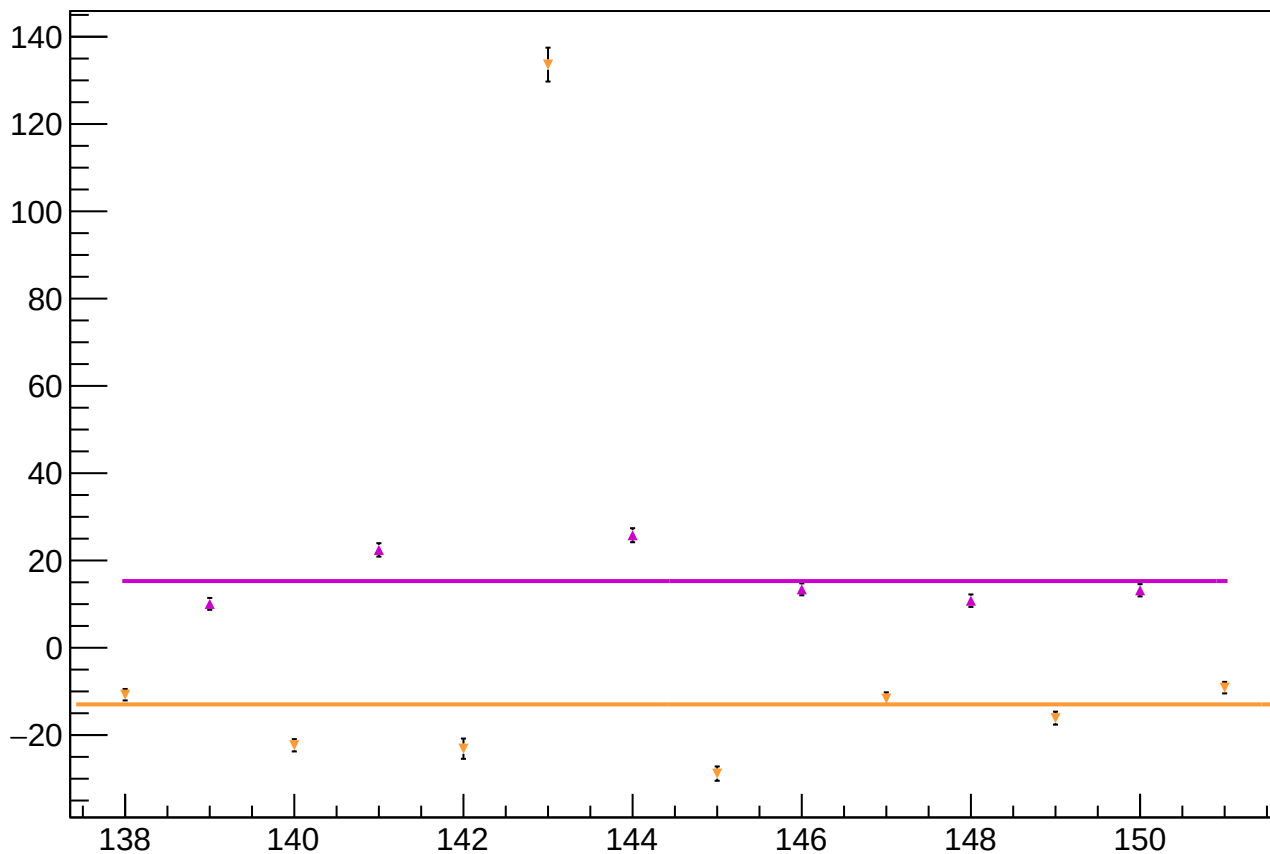
Left In: 157.937 ± 0.084 $\chi^2/\text{NDF}: 47526.0/5$

-115.870 ± 0.050 $\chi^2/\text{NDF}: 1023284.7/24$

-4.090 ± 0.036 $\chi^2/\text{NDF}: 12117922.5/50$

112.756 ± 0.051 $\chi^2/\text{NDF}: 1002726.6/25$

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: -12.969+/-0.558 χ^2/NDF :1598.9/7

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

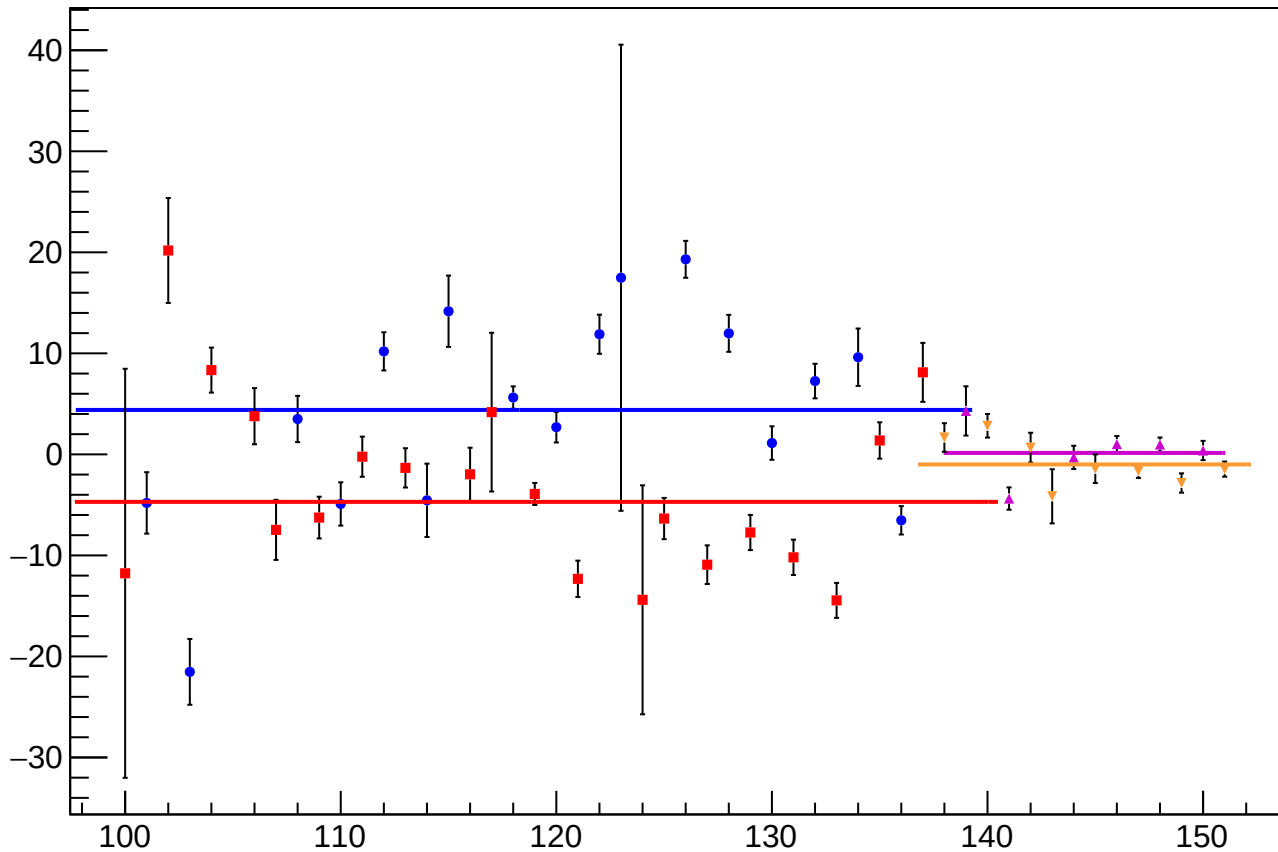
Left In: 15.282+/-0.590 χ^2/NDF :92.9/5

-12.969+/-0.558 χ^2/NDF : 1598.9/7

0.368+/-0.405 χ^2/NDF : 2902.6/13

15.282+/-0.590 χ^2/NDF : 92.9/5

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: -0.995 ± 0.369 χ^2/NDF : 22.1/7

Right Out: -4.700 ± 0.472 χ^2/NDF : 184.2/19

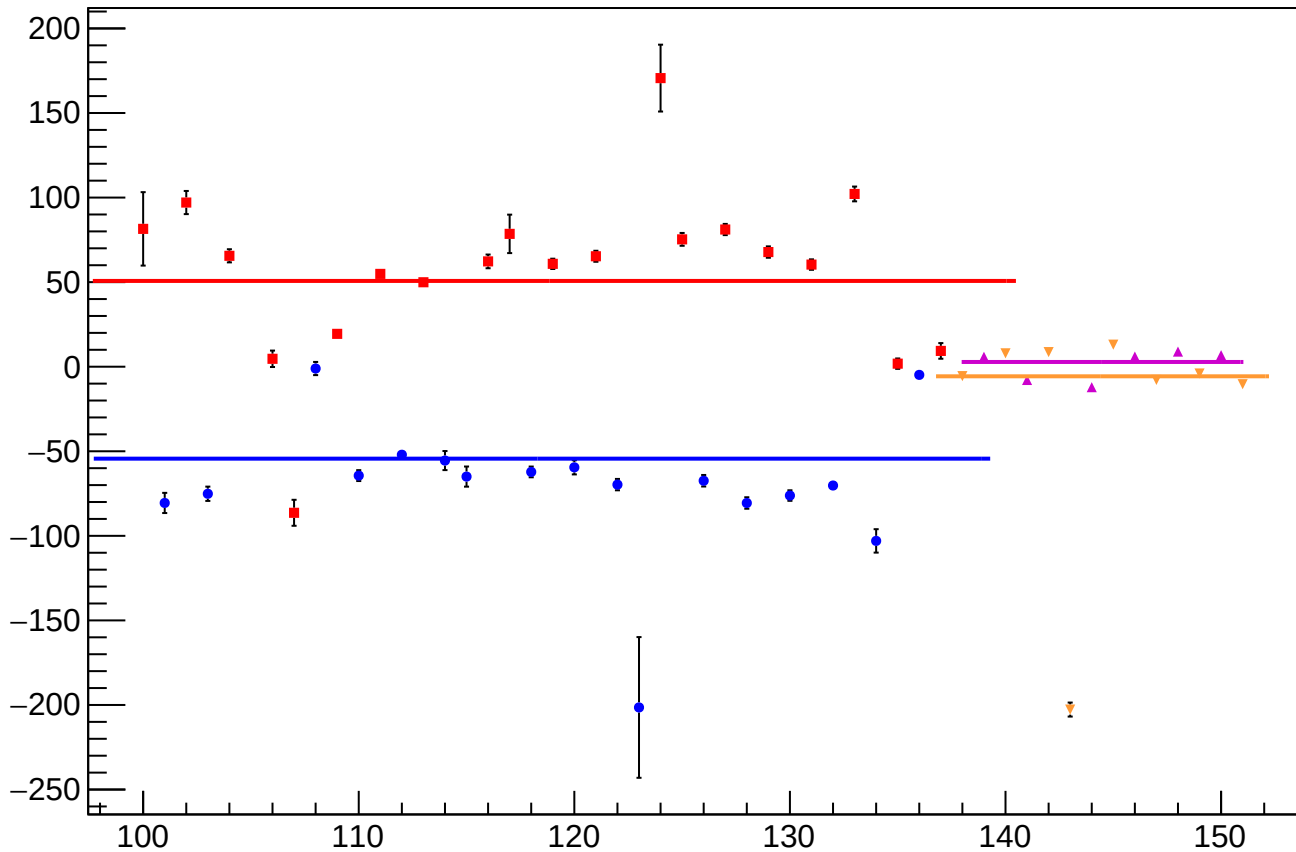
Left In: 0.145 ± 0.393 χ^2/NDF : 22.5/5

1.054 ± 0.290 χ^2/NDF : 390.2/24

-0.335 ± 0.209 χ^2/NDF : 706.6/50

-1.838 ± 0.302 χ^2/NDF : 268.8/25

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: -5.680+/-0.560 χ^2/NDF : 2513.8/7

Right Out: 50.712+/-0.855 χ^2/NDF : 1327.3/19

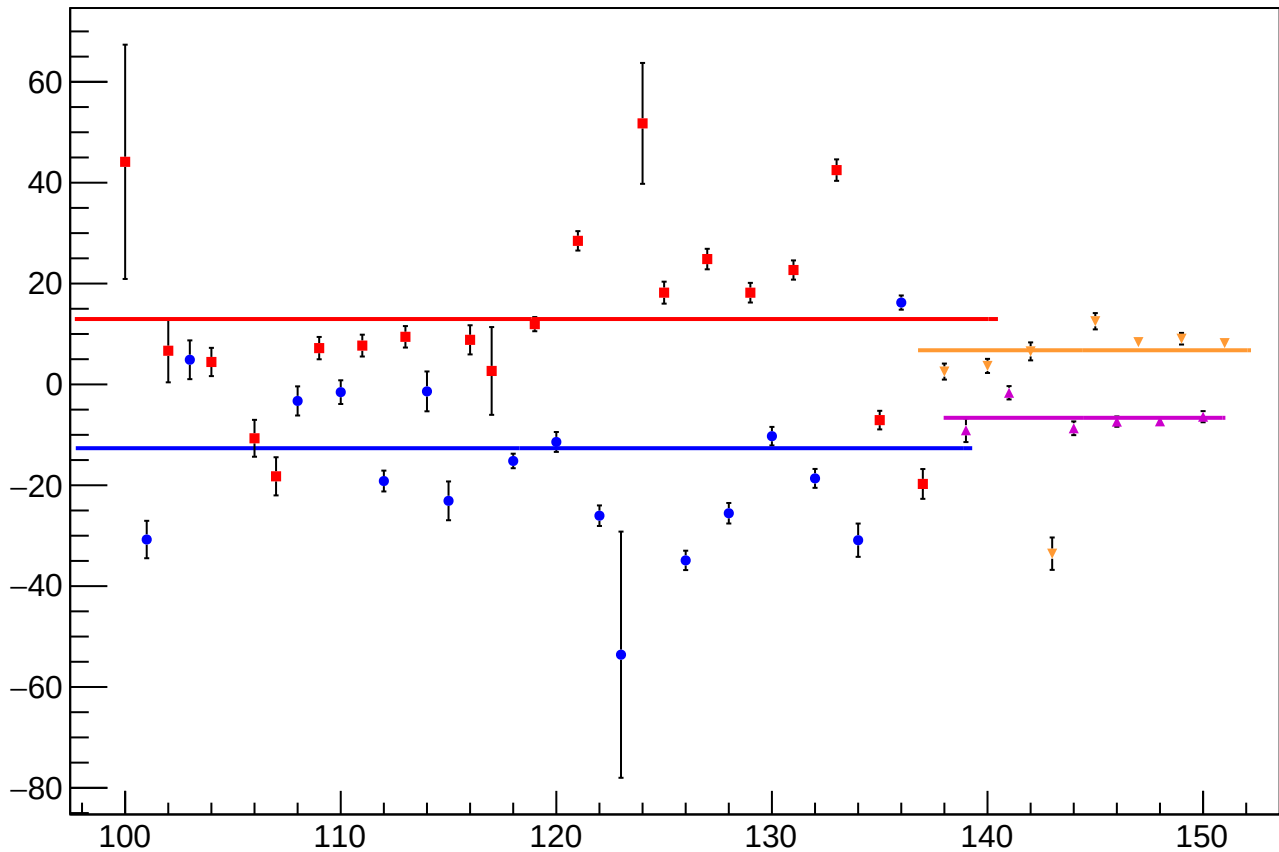
Left In: 2.799+/-0.589 χ^2/NDF : 158.0/5

-19.968+/-0.470 χ^2/NDF : 5748.8/24

-1.462+/-0.338 χ^2/NDF : 12557.5/50

18.208+/-0.485 χ^2/NDF : 3615.3/25

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: 6.772 ± 0.464 χ^2/NDF : 191.4/7

Right Out: 12.965 ± 0.536 χ^2/NDF : 722.8/19

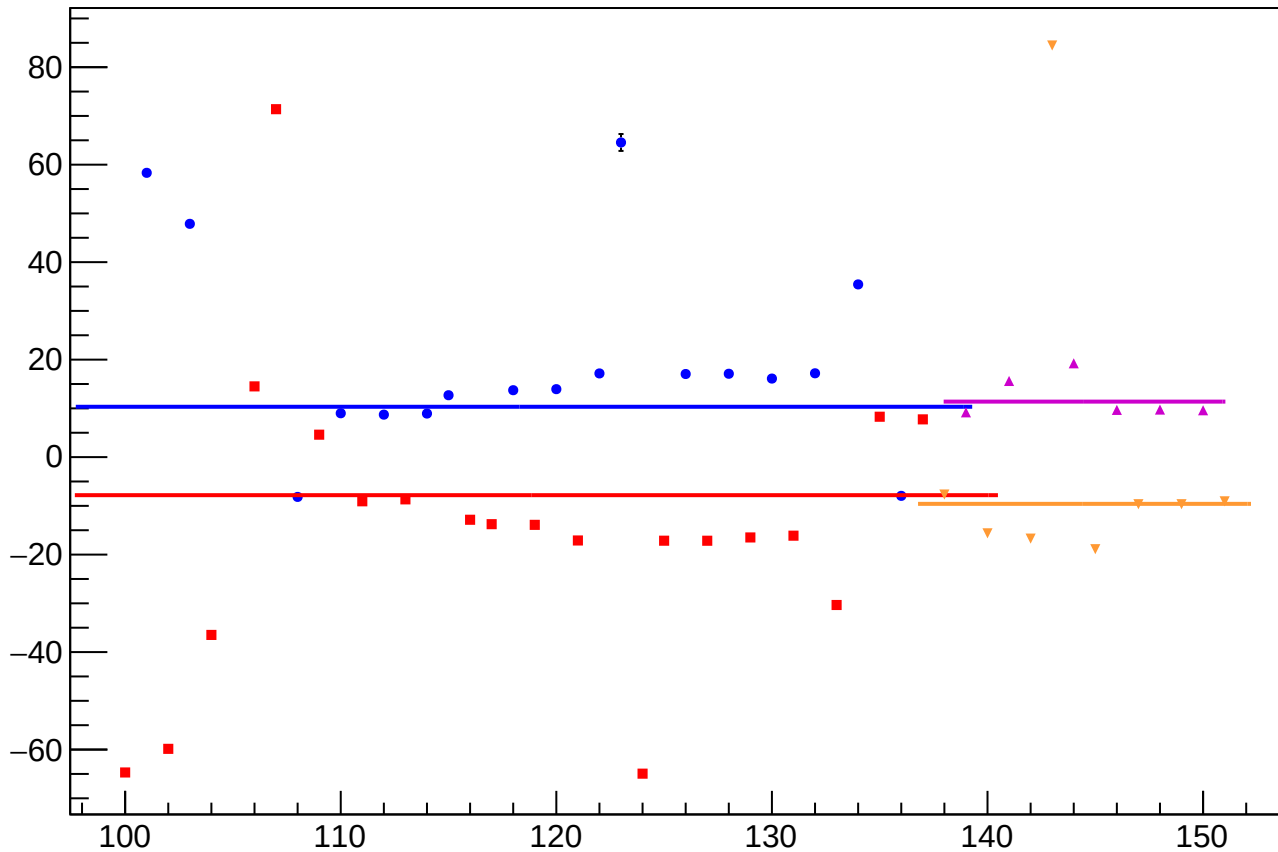
Left In: -6.623 ± 0.493 χ^2/NDF : 18.6/5

-1.549 ± 0.351 χ^2/NDF : 1729.3/24

0.331 ± 0.252 χ^2/NDF : 3253.2/50

2.339 ± 0.363 χ^2/NDF : 1464.6/25

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.330 $\pm$ 0.031 χ^2 /NDF: 380857.1/16

Left Out: -9.589 $\pm$ 0.024 χ^2 /NDF: 354426.8/7

Right Out: -7.808 $\pm$ 0.031 χ^2 /NDF: 544249.7/19

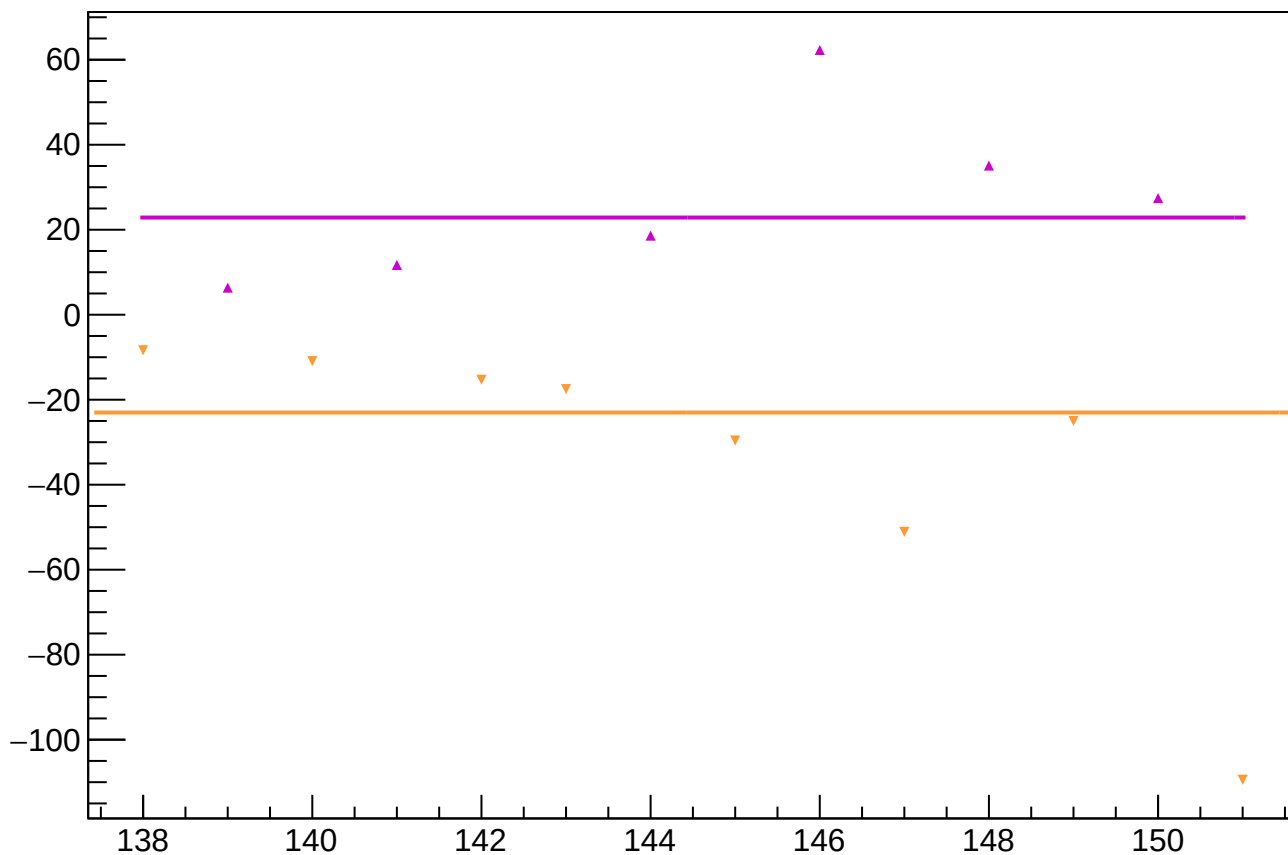
Left In: 11.388 $\pm$ 0.024 χ^2 /NDF: 19497.1/5

-2.146 $\pm$ 0.019 χ^2 /NDF: 999378.7/24

0.922 $\pm$ 0.013 χ^2 /NDF: 1852861.1/50

4.140 $\pm$ 0.019 χ^2 /NDF: 798613.2/25

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: -23.020+/-0.101 χ^2/NDF : 48904.9/7

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

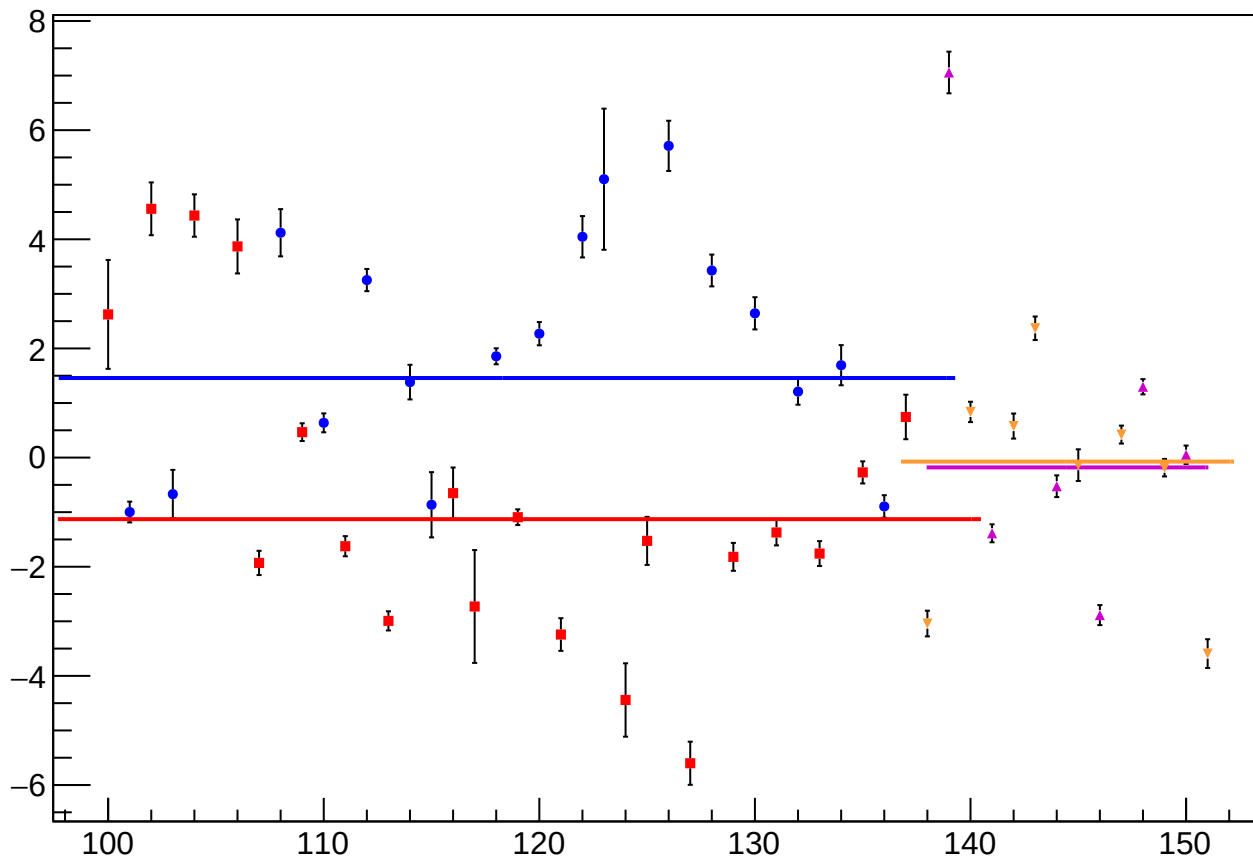
Left In: 22.867+/-0.104 χ^2/NDF : 26583.2/5

-23.020+/-0.101 χ^2/NDF : 48904.9/7

-0.838+/-0.072 χ^2/NDF : 176254.6/13

22.867+/-0.104 χ^2/NDF : 26583.2/5

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: -0.073 ± 0.073 χ^2/NDF : 507.4/7

Right Out: -1.128 ± 0.058 χ^2/NDF : 949.8/19

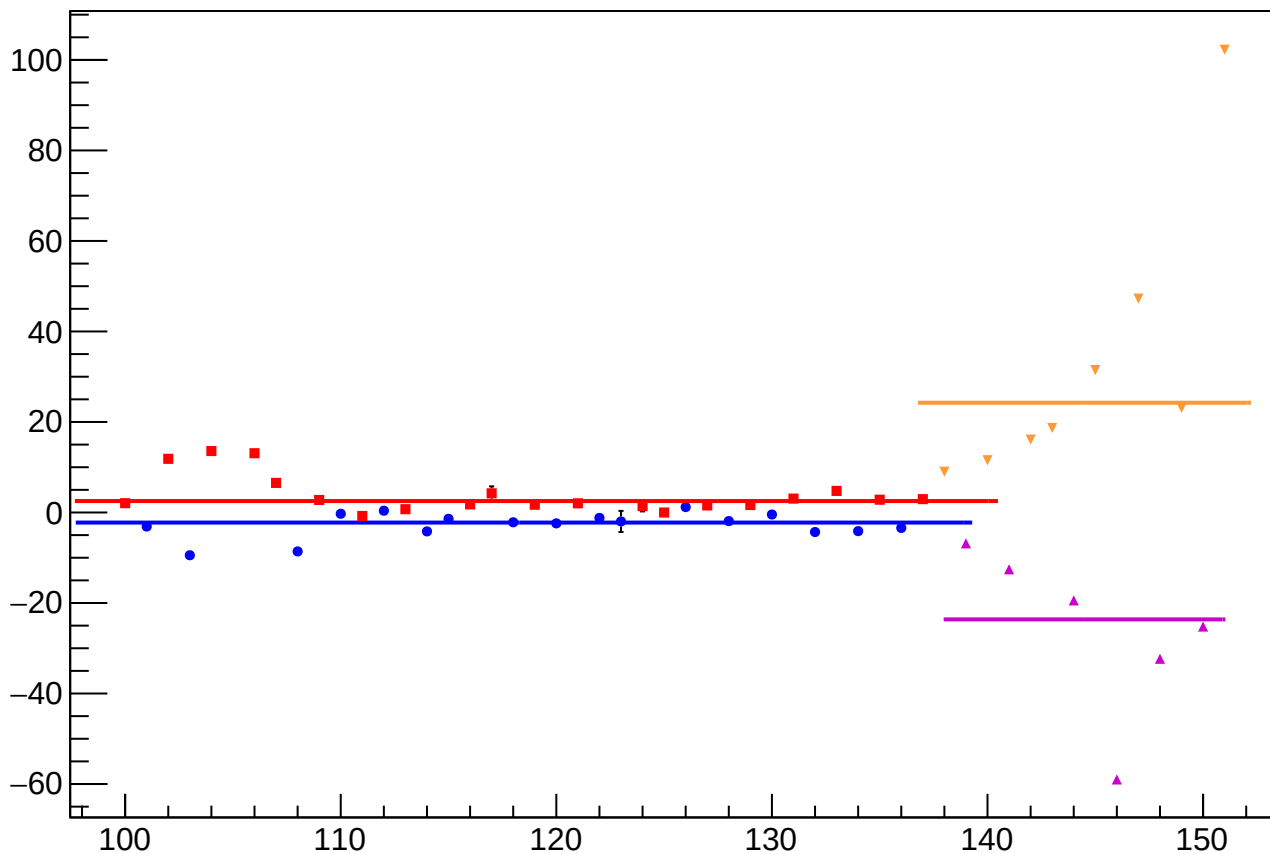
Left In: -0.180 ± 0.074 χ^2/NDF : 747.8/5

0.814 ± 0.047 χ^2/NDF : 1462.8/24

-0.003 ± 0.033 χ^2/NDF : 3842.6/50

-0.765 ± 0.046 χ^2/NDF : 1800.1/25

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.228 ± 0.111 χ^2/NDF : 460.4/16

Left Out: 24.251 ± 0.103 χ^2/NDF : 43471.6/7

Right Out: 2.527 ± 0.099 χ^2/NDF : 905.2/19

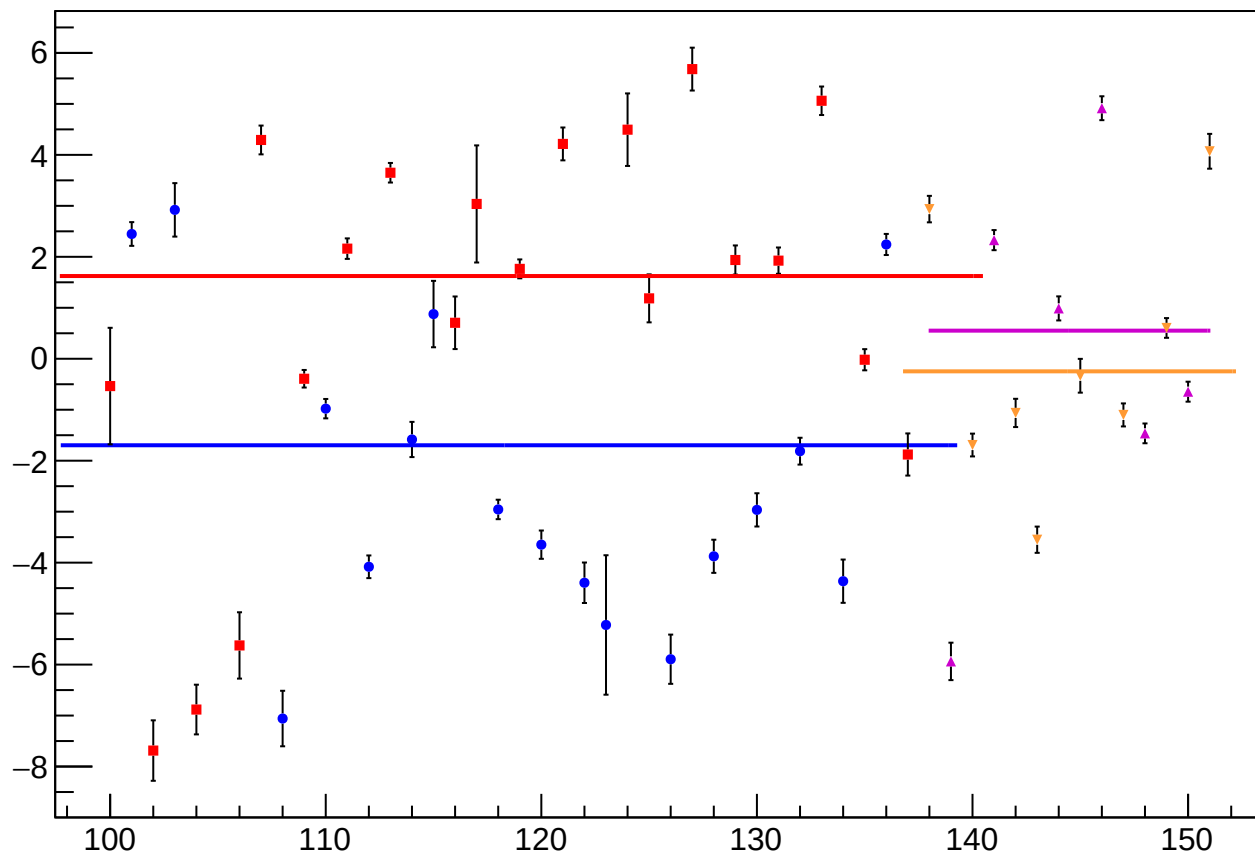
Left In: -23.622 ± 0.105 χ^2/NDF : 22585.1/5

12.007 ± 0.076 χ^2/NDF : 74377.7/24

0.589 ± 0.052 χ^2/NDF : 174127.8/50

-9.741 ± 0.072 χ^2/NDF : 56372.7/25

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.697 ± 0.071 χ^2/NDF : 1319.4/16

Left Out: -0.247 ± 0.089 χ^2/NDF : 558.7/7

Right Out: 1.623 ± 0.066 χ^2/NDF : 1490.8/19

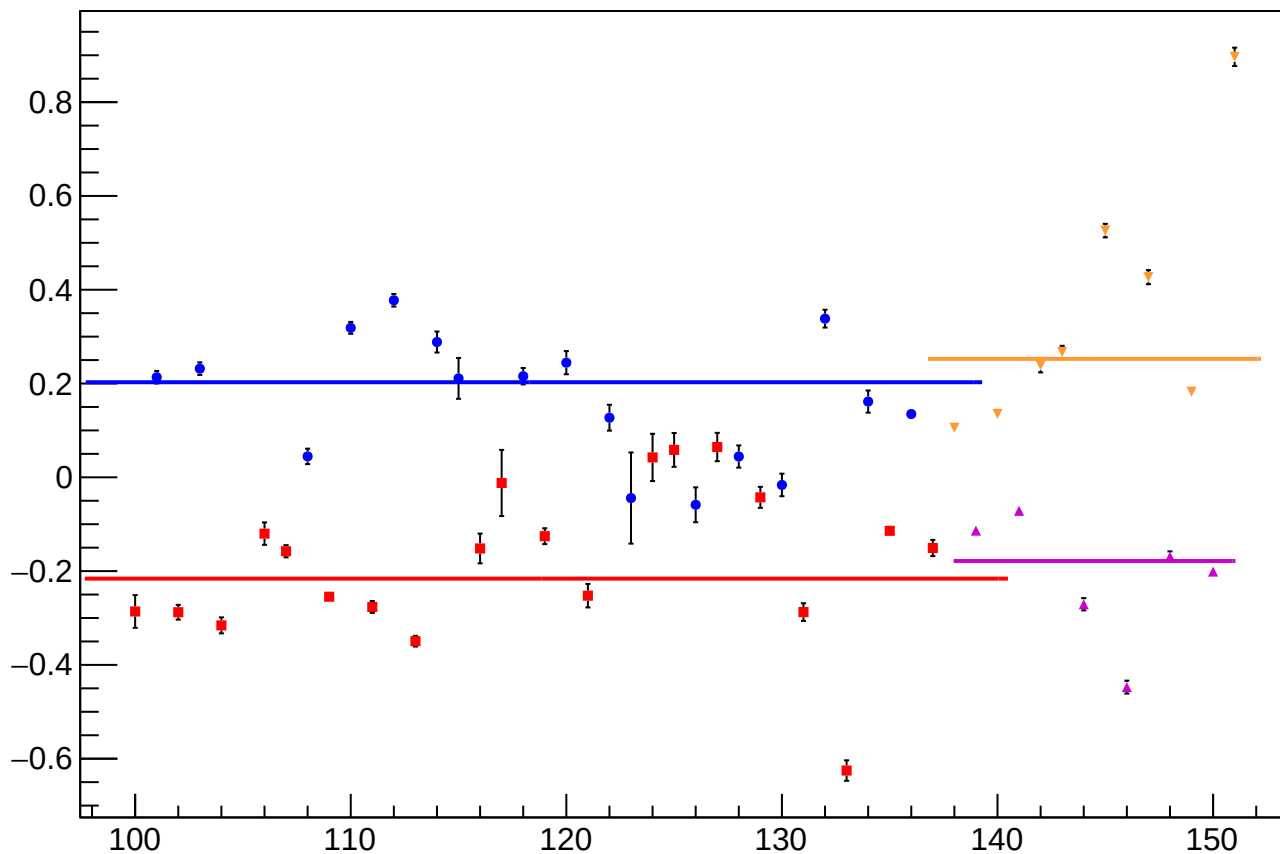
Left In: 0.551 ± 0.091 χ^2/NDF : 889.1/5

-1.130 ± 0.055 χ^2/NDF : 2040.7/24

0.114 ± 0.038 χ^2/NDF : 5476.4/50

1.254 ± 0.053 χ^2/NDF : 2471.7/25

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: 0.253 ± 0.004 χ^2/NDF : 2054.9/7

Right Out: -0.216 ± 0.004 χ^2/NDF : 1072.8/19

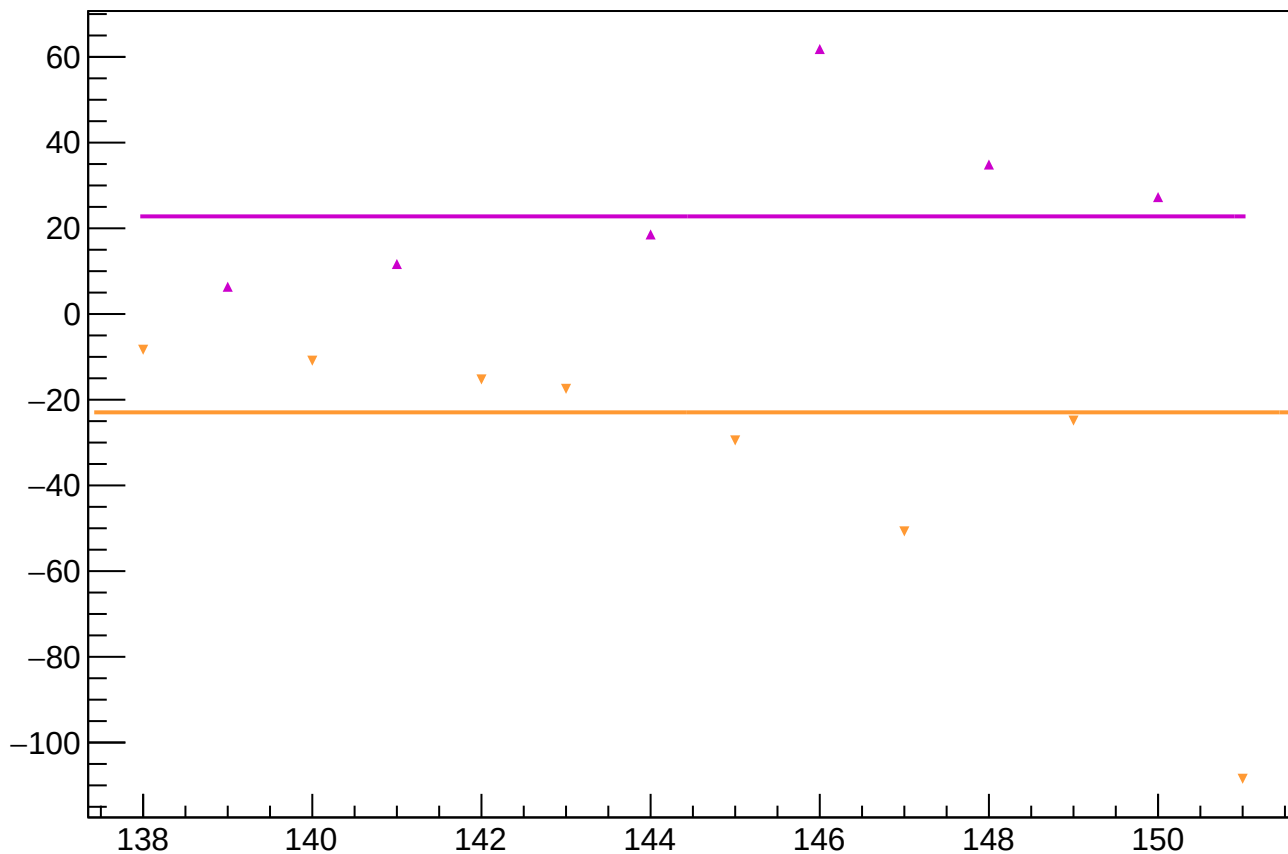
Left In: -0.178 ± 0.004 χ^2/NDF : 617.8/5

0.227 ± 0.003 χ^2/NDF : 2801.3/24

-0.001 ± 0.002 χ^2/NDF : 15471.2/50

-0.200 ± 0.003 χ^2/NDF : 1735.2/25

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: -22.946+/-0.100 χ^2/NDF : 48788.8/7

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

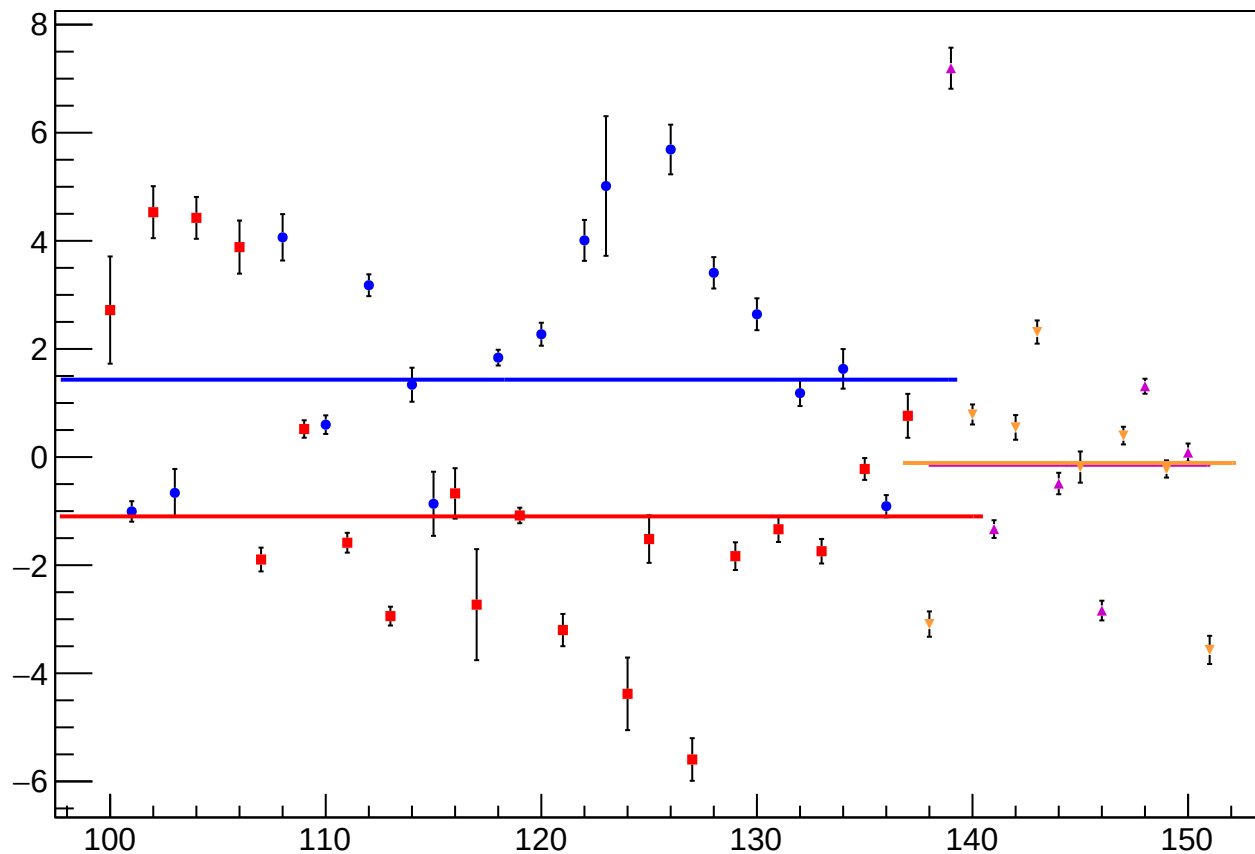
Left In: 22.786+/-0.103 χ^2/NDF : 26506.0/5

-22.946+/-0.100 χ^2/NDF : 48788.8/7

-0.833+/-0.072 χ^2/NDF : 176488.5/13

22.786+/-0.103 χ^2/NDF : 26506.0/5

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.432 ± 0.062 χ^2/NDF : 696.6/16

Left Out: -0.109 ± 0.072 χ^2/NDF : 506.6/7

Right Out: -1.098 ± 0.058 χ^2/NDF : 955.7/19

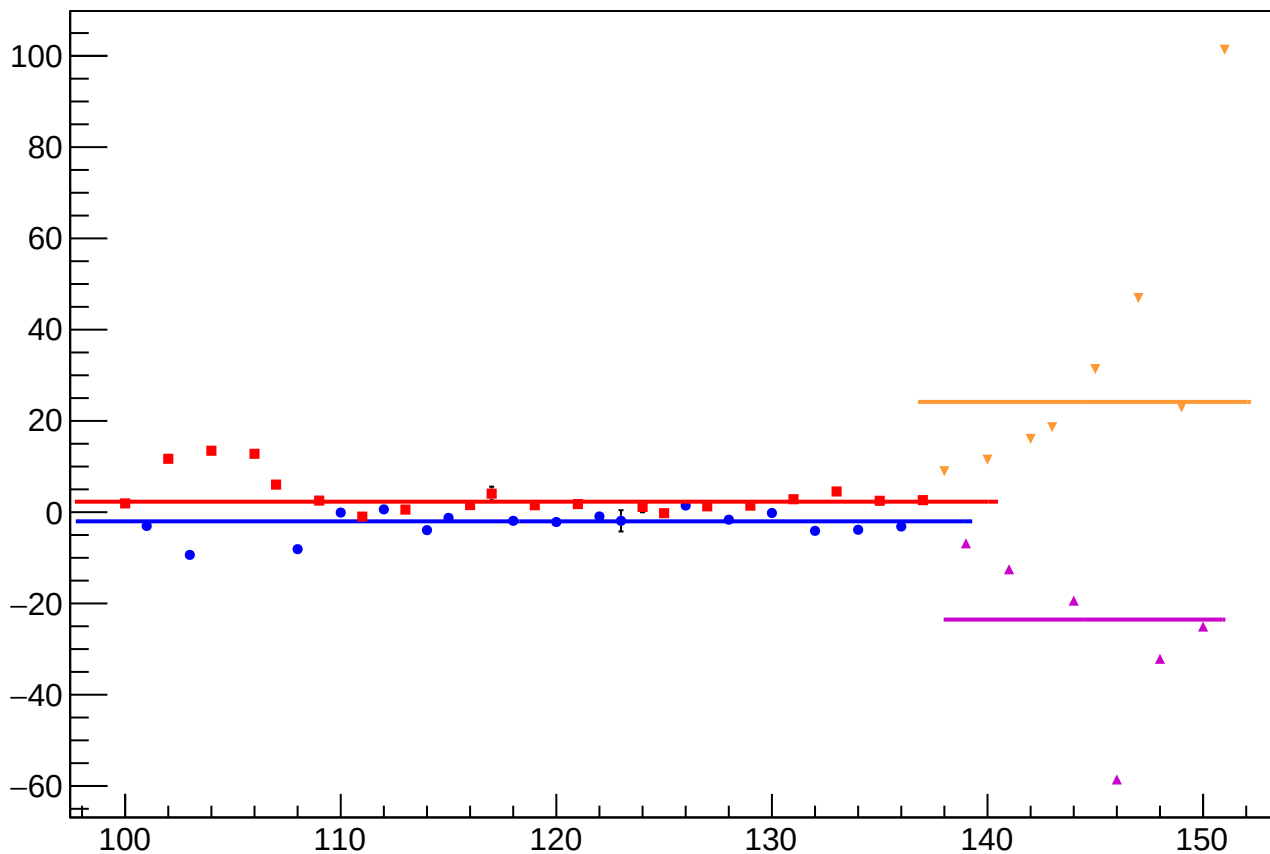
Left In: -0.142 ± 0.073 χ^2/NDF : 759.5/5

0.782 ± 0.047 χ^2/NDF : 1466.6/24

-0.000 ± 0.033 χ^2/NDF : 3824.8/50

-0.730 ± 0.045 χ^2/NDF : 1820.3/25

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.005+/-0.111 χ^2/NDF : 463.1/16

Left Out: 24.167+/-0.103 χ^2/NDF : 43355.3/7

Right Out: 2.302+/-0.098 χ^2/NDF : 908.6/19

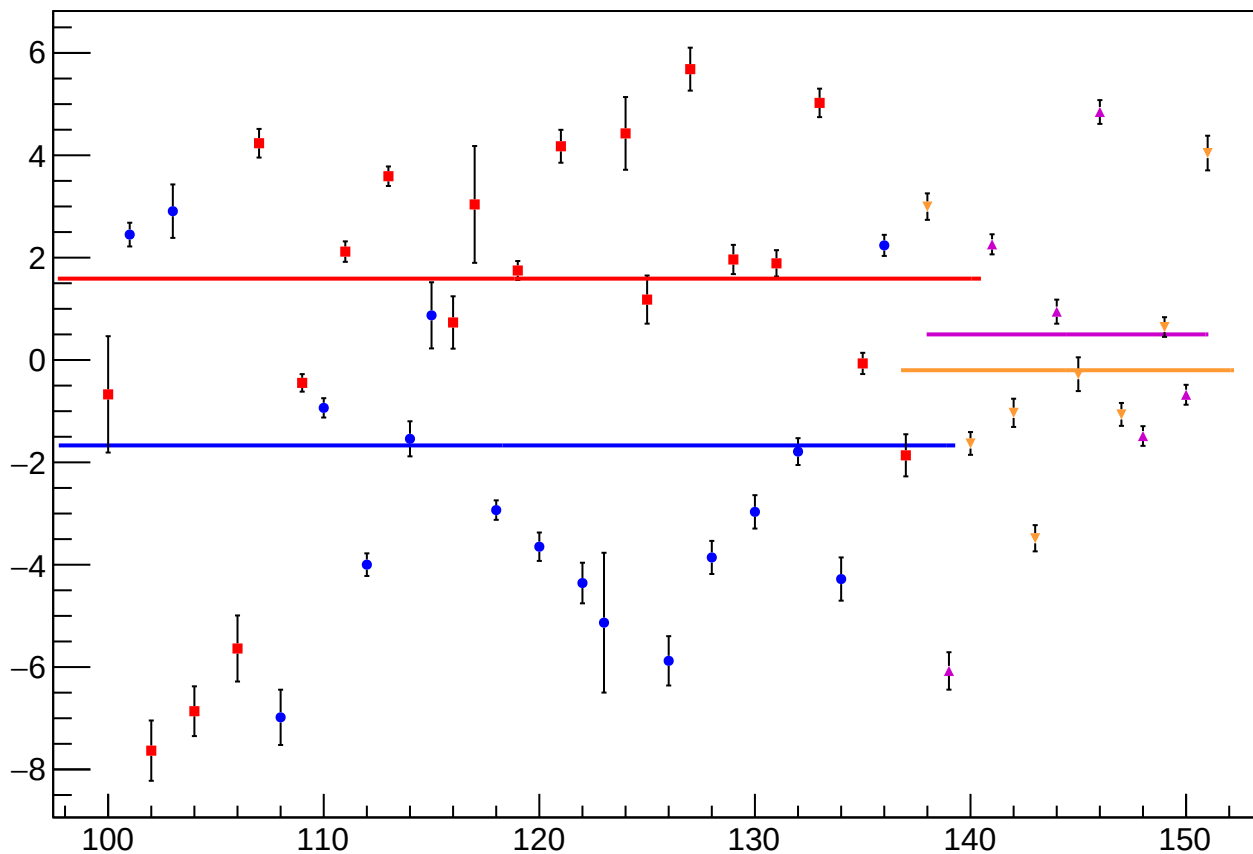
Left In: -23.532+/-0.104 χ^2/NDF : 22508.7/5

12.072+/-0.075 χ^2/NDF : 73873.6/24

0.573+/-0.052 χ^2/NDF : 174195.1/50

-9.825+/-0.072 χ^2/NDF : 55870.5/25

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.669 ± 0.071 χ^2/NDF : 1314.9/16

Left Out: -0.200 ± 0.088 χ^2/NDF : 558.7/7

Right Out: 1.590 ± 0.065 χ^2/NDF : 1496.3/19

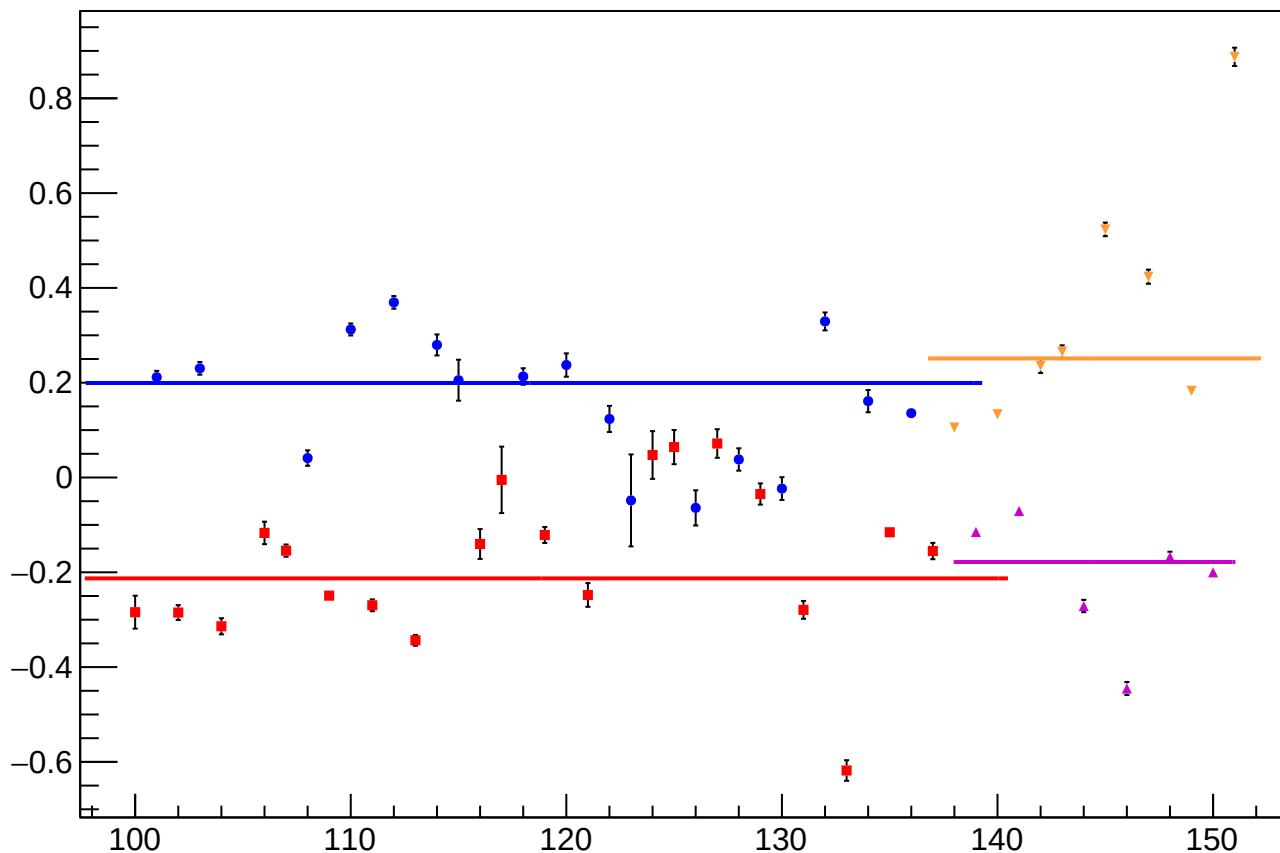
Left In: 0.500 ± 0.090 χ^2/NDF : 899.9/5

-1.094 ± 0.055 χ^2/NDF : 2042.3/24

0.111 ± 0.038 χ^2/NDF : 5447.3/50

1.215 ± 0.053 χ^2/NDF : 2492.4/25

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: 0.251 ± 0.004 χ^2/NDF : 2046.3/7

Right Out: -0.213 ± 0.004 χ^2/NDF : 1057.0/19

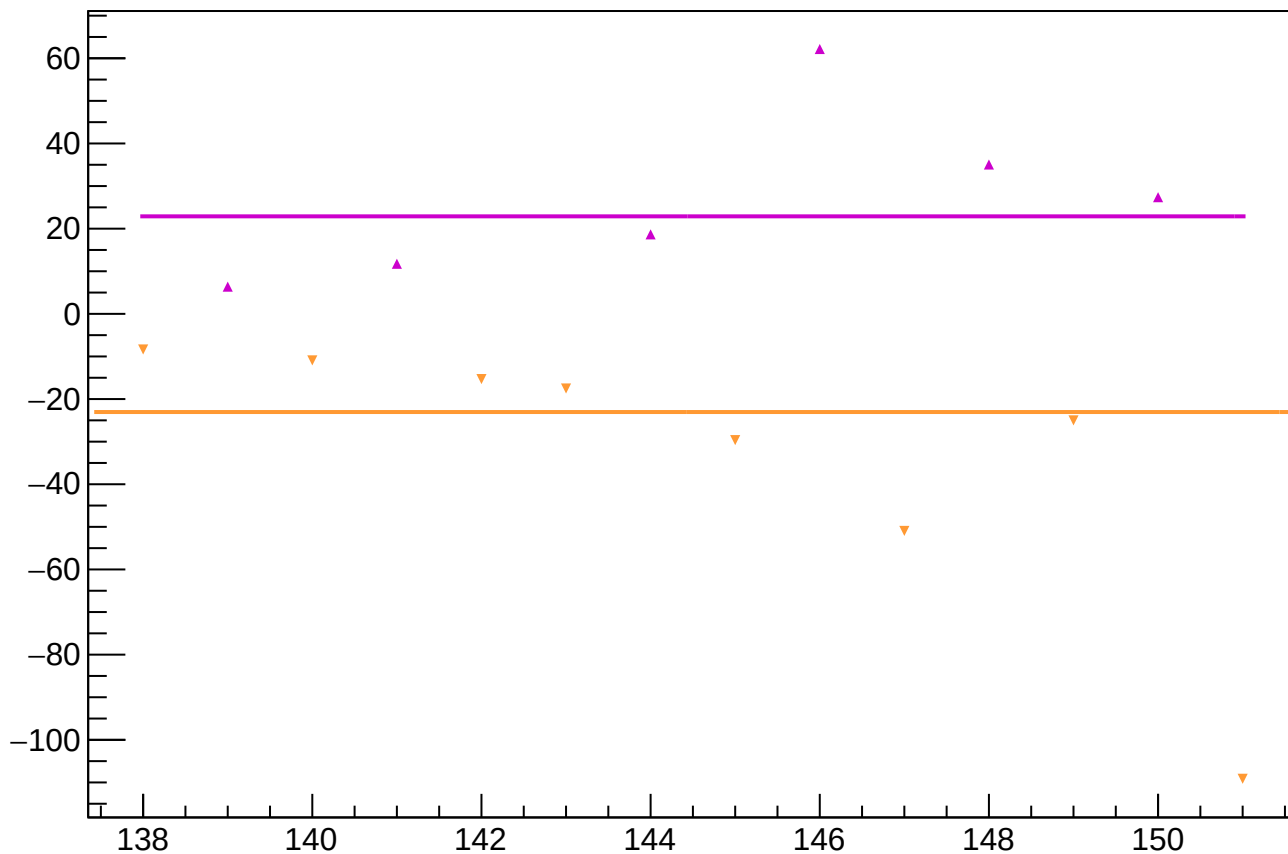
Left In: -0.178 ± 0.004 χ^2/NDF : 618.6/5

0.225 ± 0.003 χ^2/NDF : 2784.7/24

-0.001 ± 0.002 χ^2/NDF : 15329.5/50

-0.198 ± 0.003 χ^2/NDF : 1713.7/25

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: -23.045+/-0.100 χ^2/NDF : 48889.5/7

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

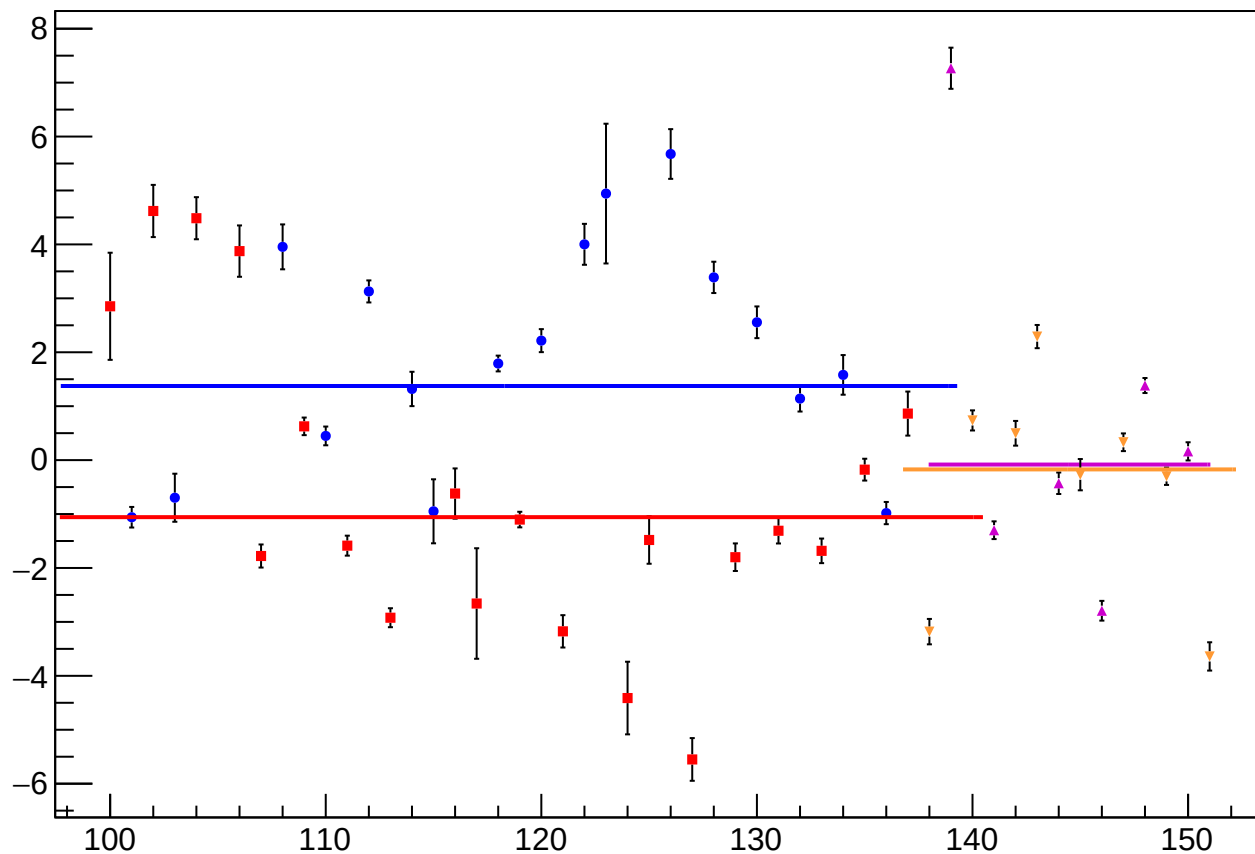
Left In: 22.893+/-0.104 χ^2/NDF : 26541.5/5

-23.045+/-0.100 χ^2/NDF : 48889.5/7

-0.832+/-0.072 χ^2/NDF : 176665.0/13

22.893+/-0.104 χ^2/NDF : 26541.5/5

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.375 ± 0.062 χ^2/NDF : 702.4/16

Left Out: -0.172 ± 0.073 χ^2/NDF : 511.2/7

Right Out: -1.058 ± 0.058 χ^2/NDF : 966.5/19

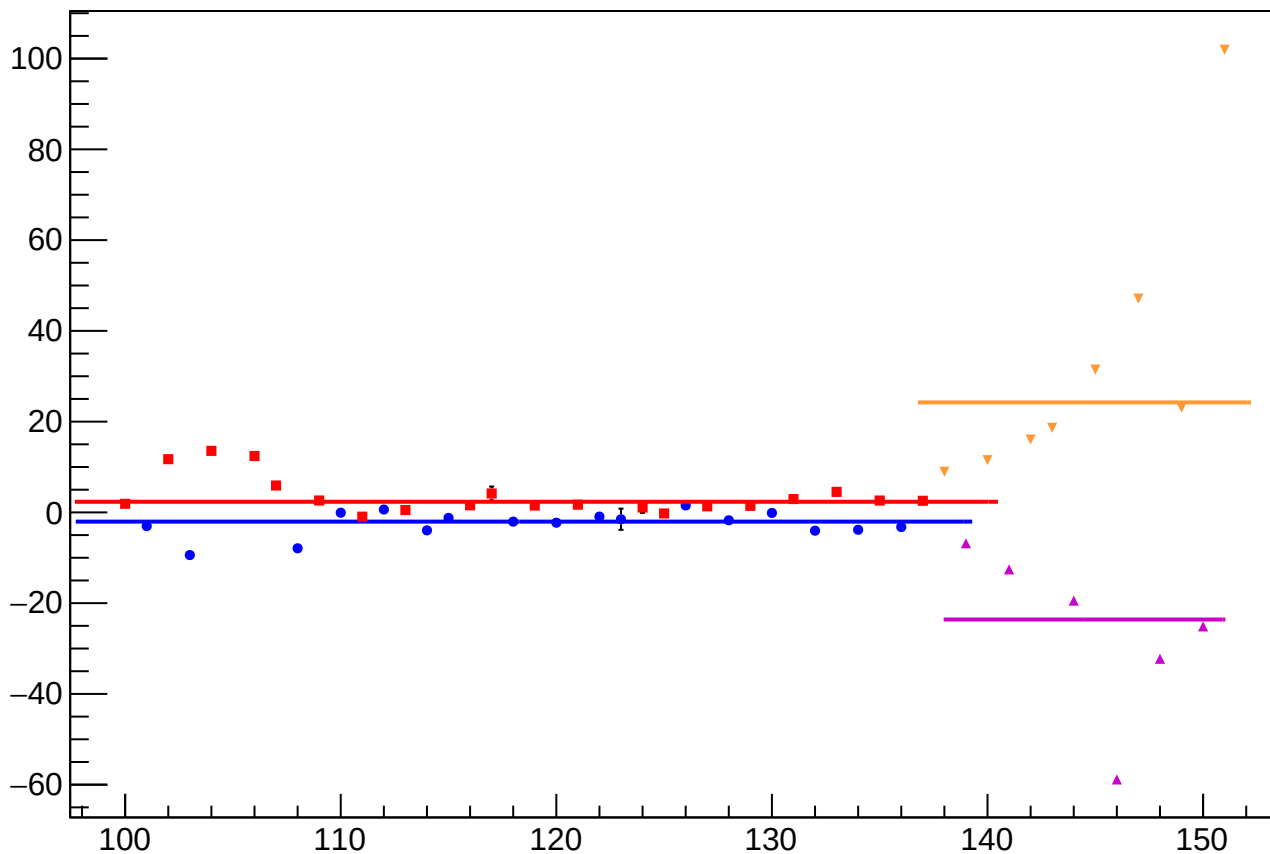
Left In: -0.082 ± 0.073 χ^2/NDF : 760.9/5

0.722 ± 0.047 χ^2/NDF : 1476.7/24

-0.006 ± 0.033 χ^2/NDF : 3774.0/50

-0.684 ± 0.045 χ^2/NDF : 1836.2/25

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: 24.236 ± 0.103 $\chi^2/\text{NDF}: 43454.9/7$

Right Out: 2.344 ± 0.099 $\chi^2/\text{NDF}: 903.4/19$

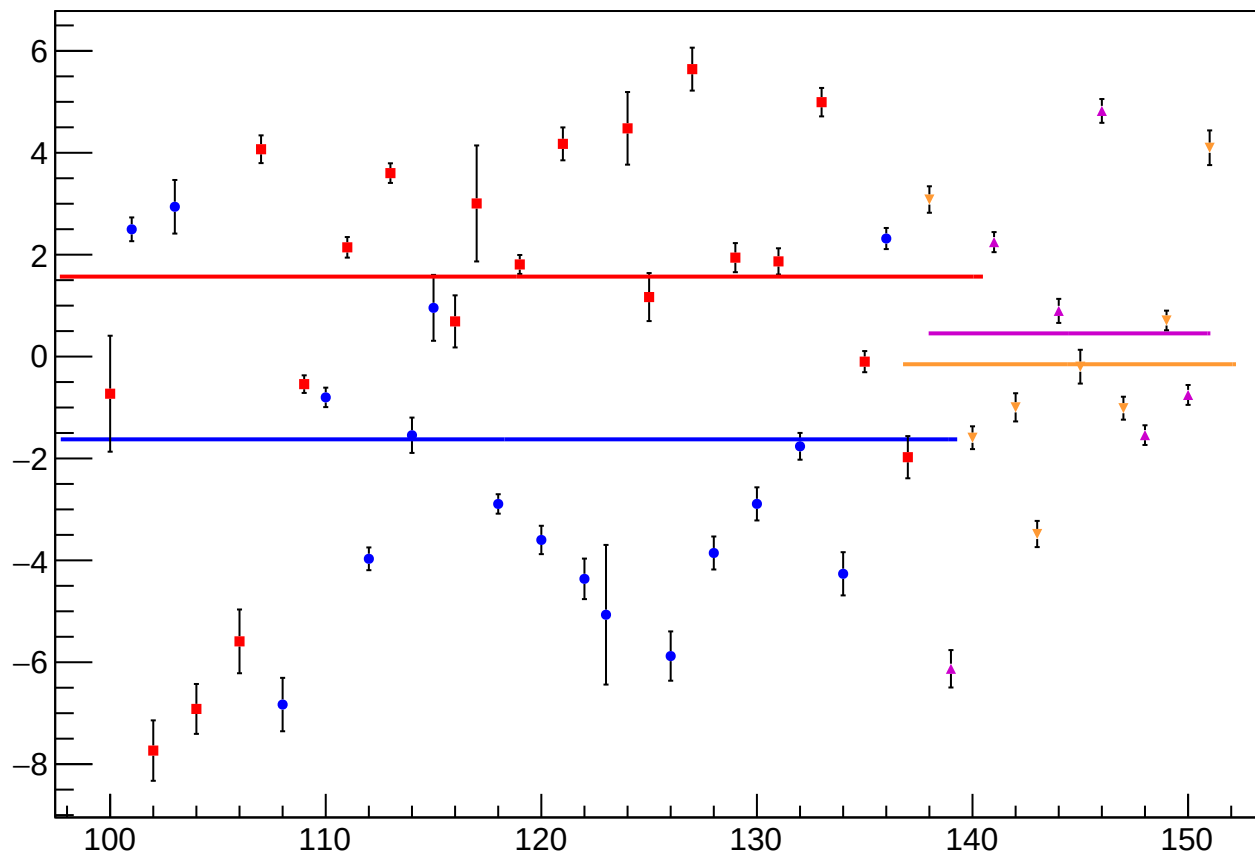
Left In: -23.607 ± 0.105 $\chi^2/\text{NDF}: 22548.1/5$

12.111 ± 0.076 $\chi^2/\text{NDF}: 73903.1/24$

0.579 ± 0.052 $\chi^2/\text{NDF}: 174084.7/50$

-9.846 ± 0.072 $\chi^2/\text{NDF}: 55902.0/25$

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.625+/-0.071 χ^2/NDF : 1320.8/16

Left Out: -0.151+/-0.089 χ^2/NDF : 564.1/7

Right Out: 1.570+/-0.065 χ^2/NDF : 1507.4/19

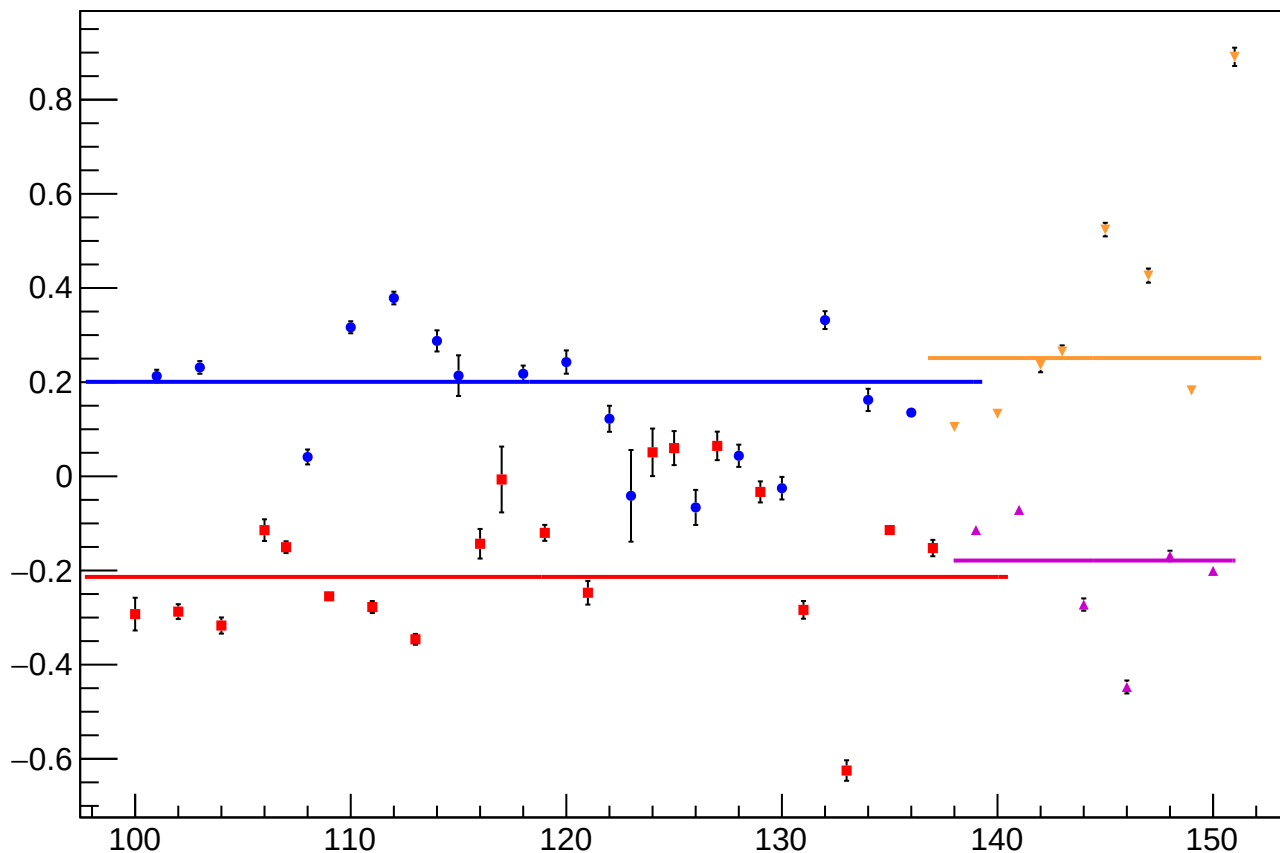
Left In: 0.455+/-0.090 χ^2/NDF : 901.7/5

-1.047+/-0.055 χ^2/NDF : 2053.1/24

0.120+/-0.038 χ^2/NDF : 5409.1/50

1.186+/-0.053 χ^2/NDF : 2508.8/25

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 $\pm$ 0.004 χ^2/NDF : 690.6/16

Left Out: 0.251 $\pm$ 0.004 χ^2/NDF : 2047.6/7

Right Out: -0.214 $\pm$ 0.004 χ^2/NDF : 1089.2/19

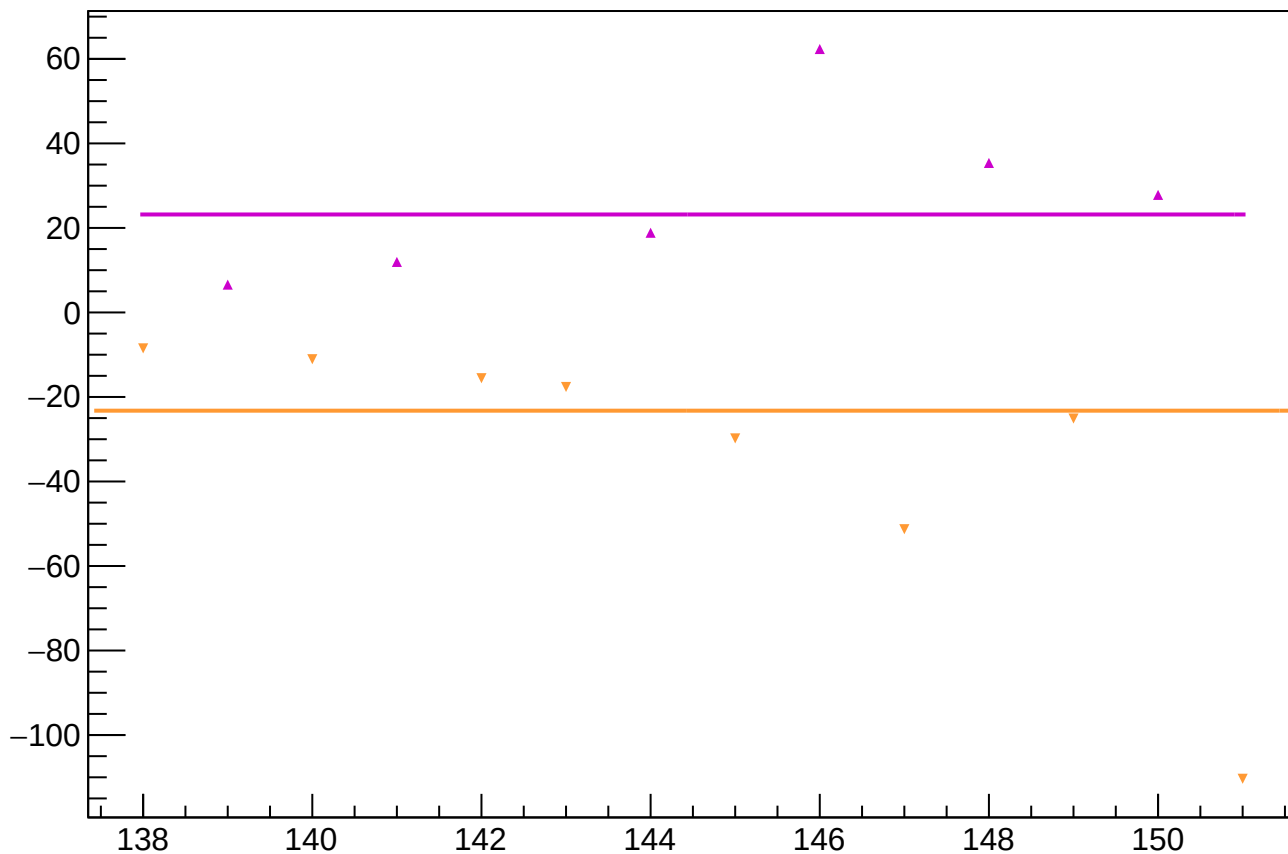
Left In: -0.179 $\pm$ 0.004 χ^2/NDF : 620.9/5

0.225 $\pm$ 0.003 χ^2/NDF : 2810.3/24

-0.001 $\pm$ 0.002 χ^2/NDF : 15385.7/50

-0.199 $\pm$ 0.003 χ^2/NDF : 1748.3/25

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: -23.244+/-0.101 χ^2/NDF : 48772.0/7

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

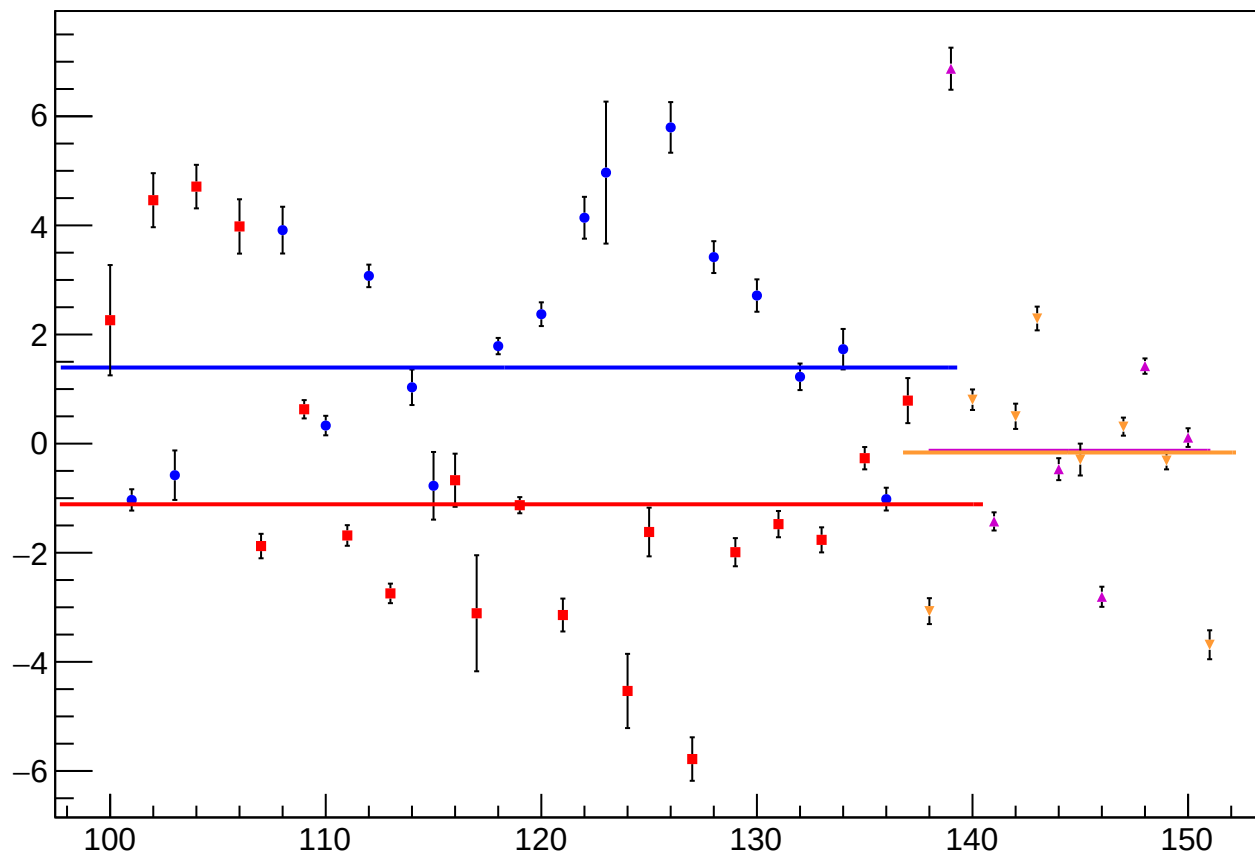
Left In: 23.183+/-0.105 χ^2/NDF : 26161.8/5

-23.244+/-0.101 χ^2/NDF : 48772.0/7

-0.836+/-0.073 χ^2/NDF : 176272.2/13

23.183+/-0.105 χ^2/NDF : 26161.8/5

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.395 $\pm$ 0.063 χ^2 /NDF: 701.4/16

Left Out: -0.163 $\pm$ 0.073 χ^2 /NDF: 497.8/7

Right Out: -1.112 $\pm$ 0.059 χ^2 /NDF: 940.5/19

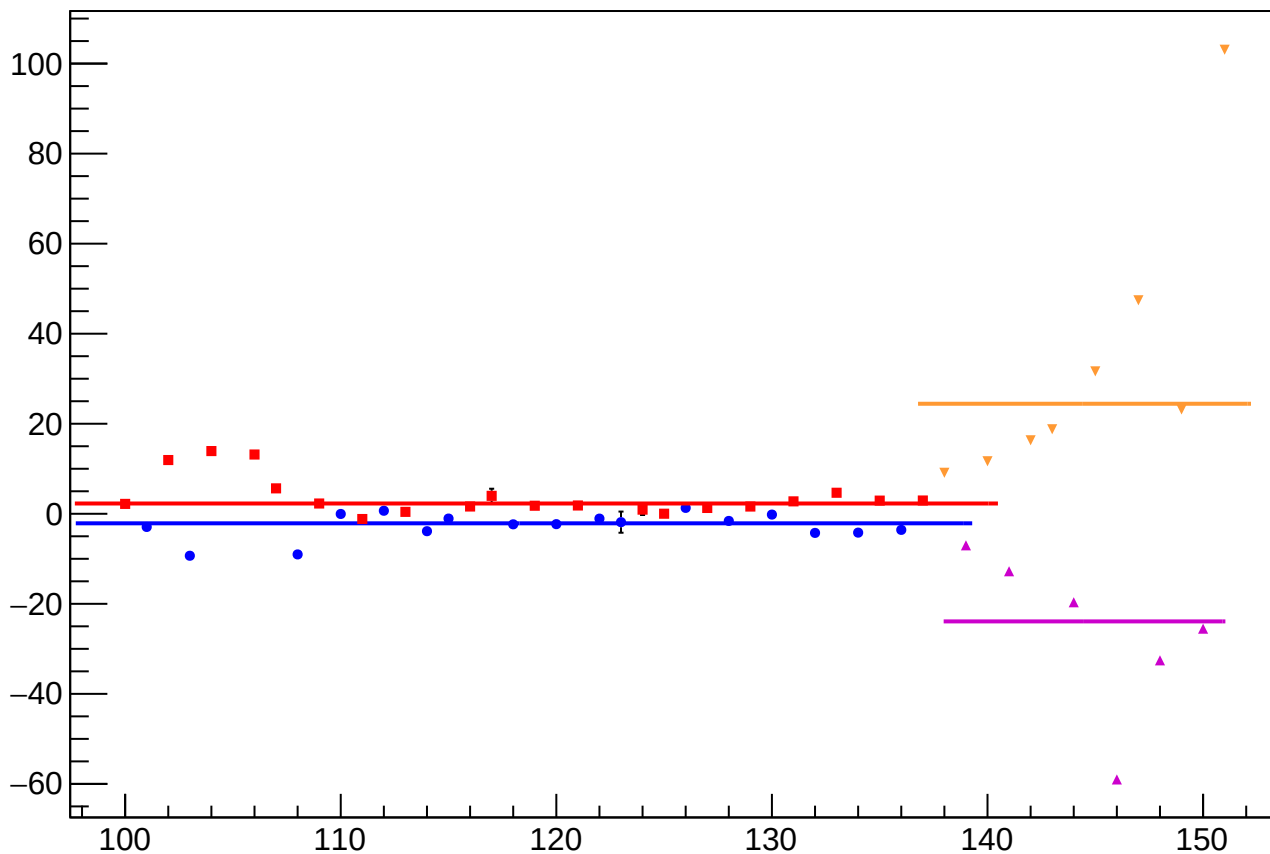
Left In: -0.131 $\pm$ 0.074 χ^2 /NDF: 727.6/5

0.731 $\pm$ 0.048 χ^2 /NDF: 1459.1/24

-0.024 $\pm$ 0.033 χ^2 /NDF: 3717.8/50

-0.731 $\pm$ 0.046 χ^2 /NDF: 1774.9/25

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.119+/-0.113 χ^2/NDF : 486.3/16

Left Out: 24.439+/-0.104 χ^2/NDF :43363.8/7

Right Out: 2.284+/-0.101 χ^2/NDF : 920.6/19

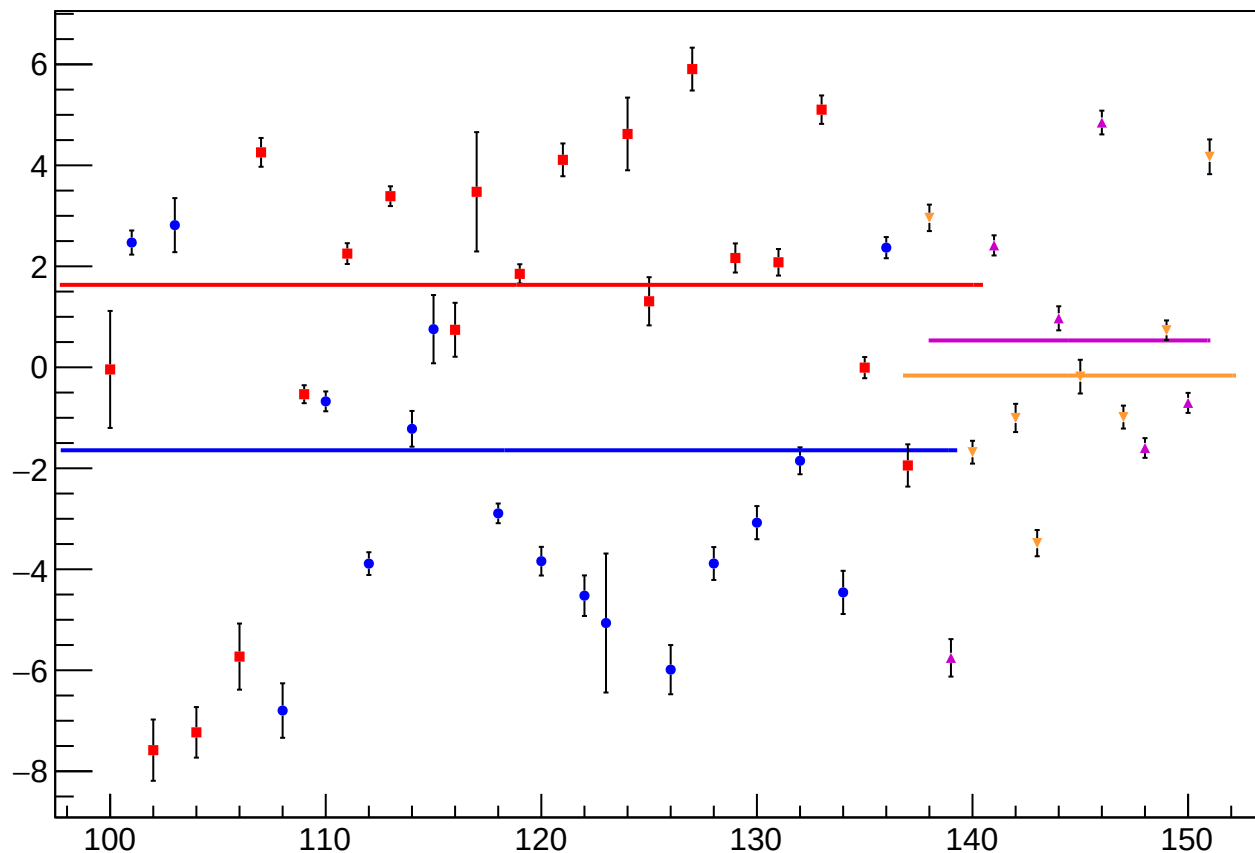
Left In: -23.906+/-0.106 χ^2/NDF :22189.1/5

12.294+/-0.077 χ^2/NDF : 73668.4/24

0.542+/-0.053 χ^2/NDF : 173727.1/50

-10.149+/-0.073 χ^2/NDF : 55135.5/25

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.643 ± 0.072 $\chi^2/\text{NDF}: 1310.1/16$

Left Out: -0.163 ± 0.089 $\chi^2/\text{NDF}: 552.3/7$

Right Out: 1.633 ± 0.067 $\chi^2/\text{NDF}: 1470.6/19$

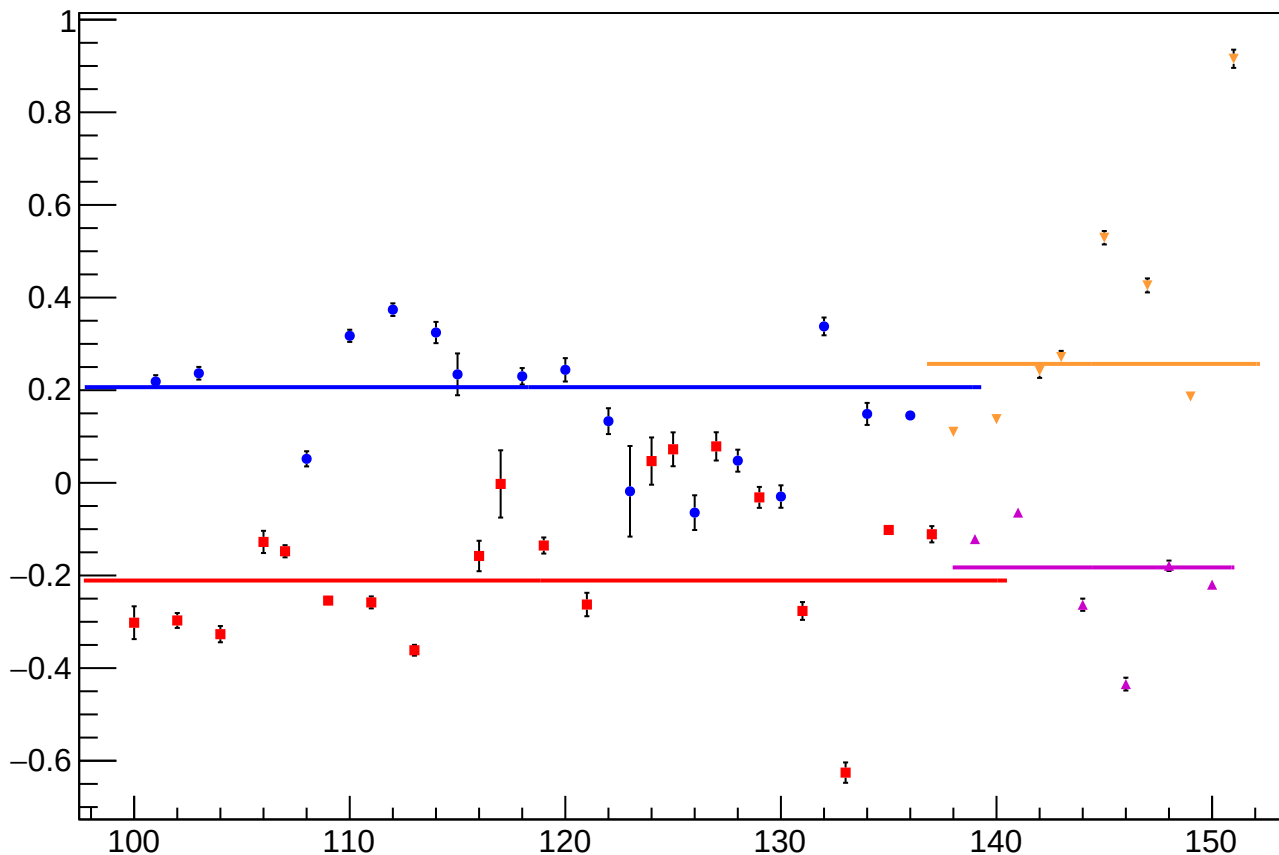
Left In: 0.532 ± 0.091 $\chi^2/\text{NDF}: 873.7/5$

-1.057 ± 0.056 $\chi^2/\text{NDF}: 2027.8/24$

0.145 ± 0.039 $\chi^2/\text{NDF}: 5342.9/50$

1.250 ± 0.054 $\chi^2/\text{NDF}: 2438.9/25$

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: 0.257 ± 0.004 χ^2/NDF : 2067.9/7

Right Out: -0.211 ± 0.004 χ^2/NDF : 1153.8/19

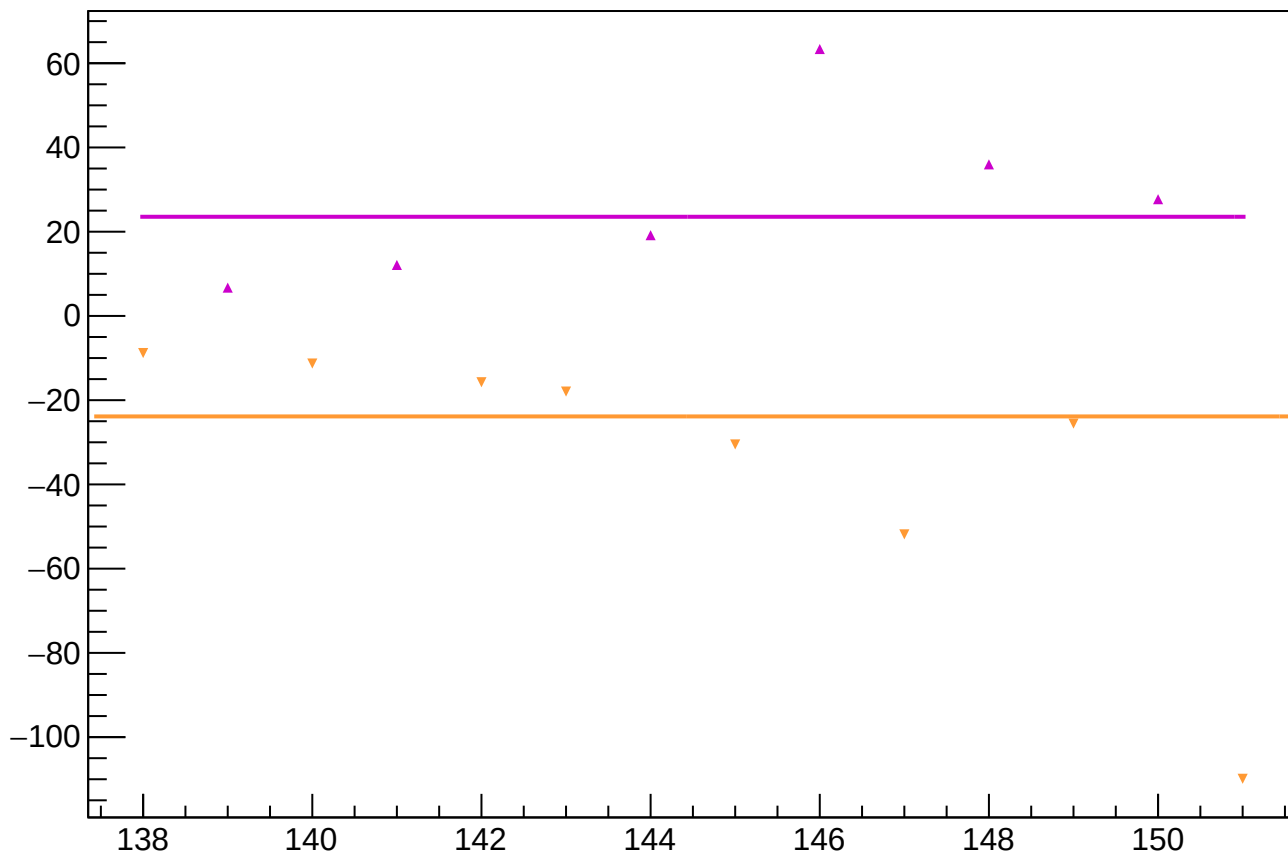
Left In: -0.183 ± 0.004 χ^2/NDF : 580.1/5

0.231 ± 0.003 χ^2/NDF : 2792.2/24

0.002 ± 0.002 χ^2/NDF : 15352.8/50

-0.199 ± 0.003 χ^2/NDF : 1758.5/25

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: -23.859+/-0.103 χ^2/NDF : 48084.9/7

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

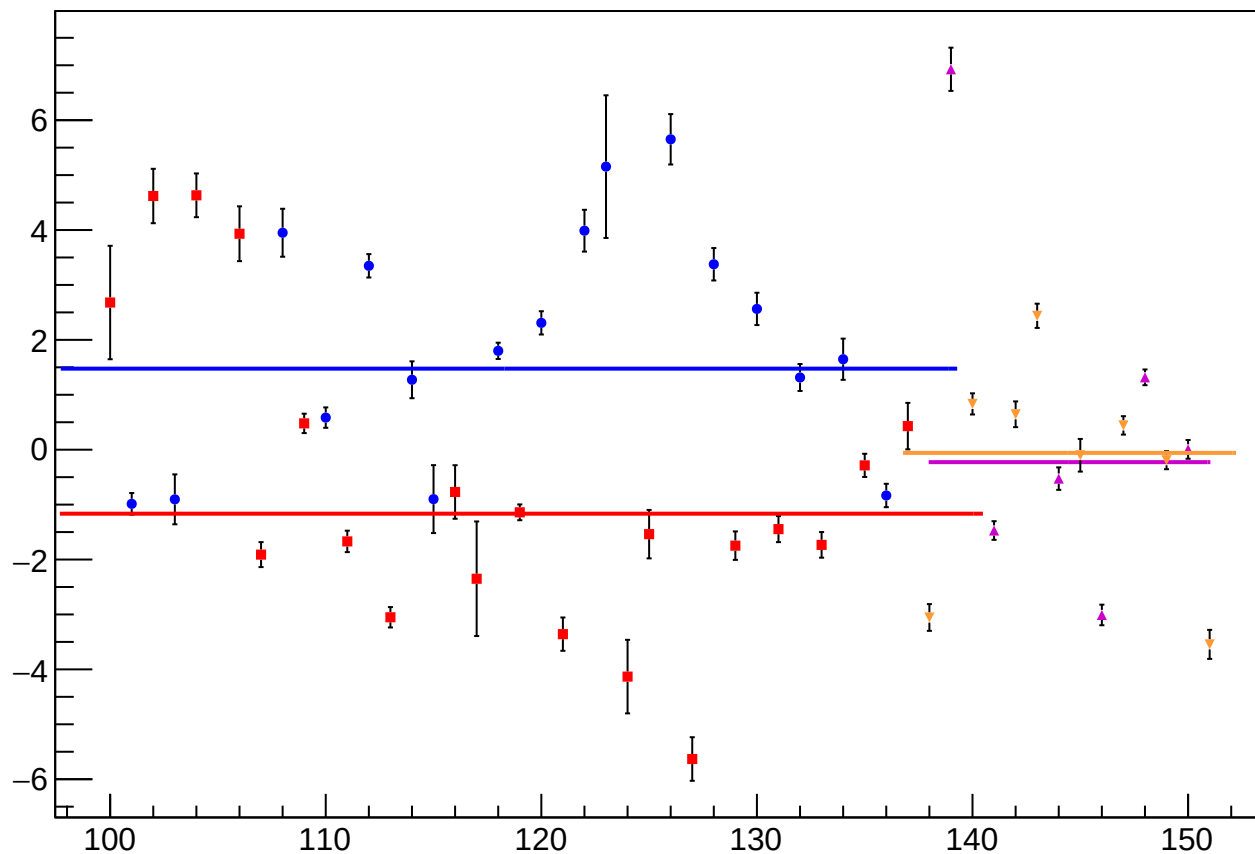
Left In: 23.545+/-0.107 χ^2/NDF : 26052.8/5

-23.859+/-0.103 χ^2/NDF : 48084.9/7

-0.895+/-0.074 χ^2/NDF : 176254.6/13

23.545+/-0.107 χ^2/NDF : 26052.8/5

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: -0.058 ± 0.074 $\chi^2/\text{NDF}: 493.7/7$

Right Out: -1.165 ± 0.060 $\chi^2/\text{NDF}: 919.2/19$

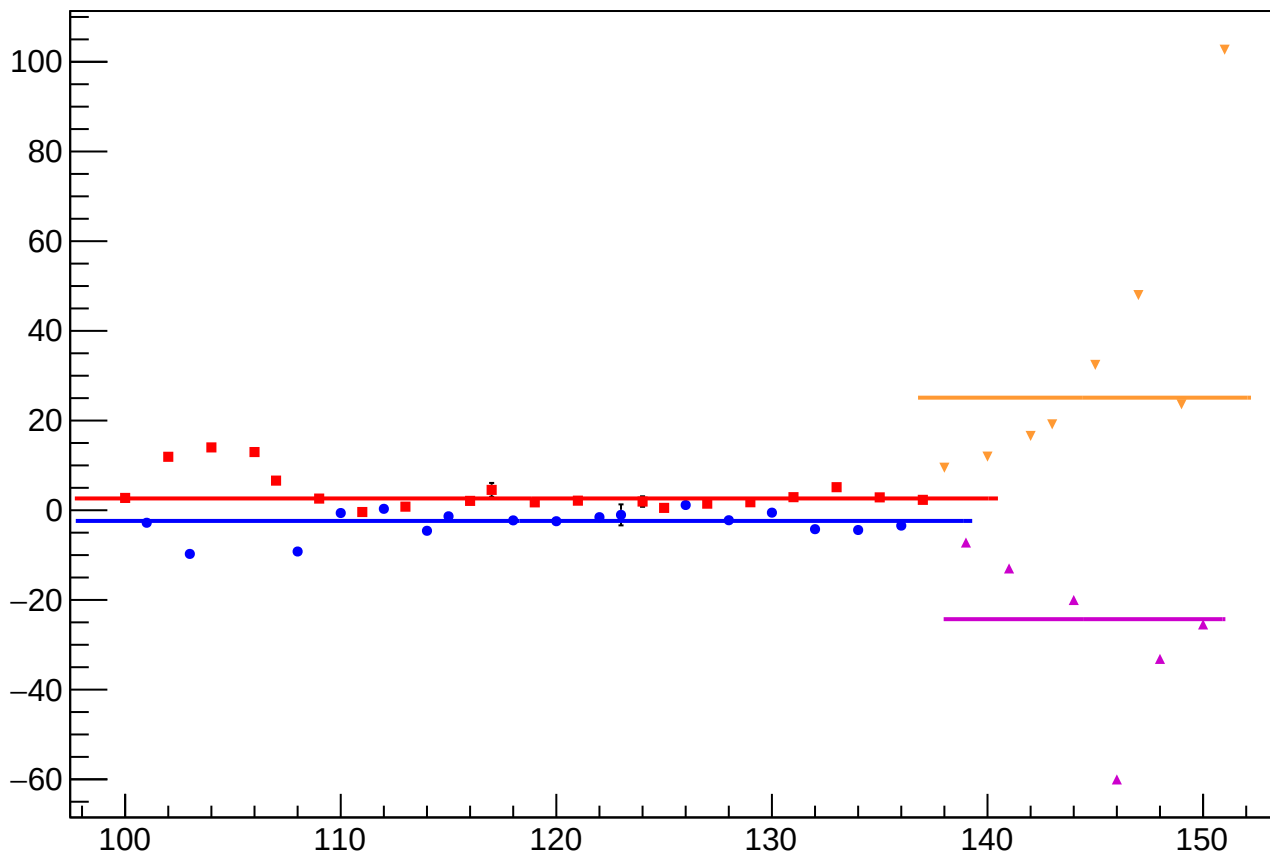
Left In: -0.227 ± 0.075 $\chi^2/\text{NDF}: 725.3/5$

0.828 ± 0.048 $\chi^2/\text{NDF}: 1399.1/24$

-0.012 ± 0.034 $\chi^2/\text{NDF}: 3724.9/50$

-0.802 ± 0.047 $\chi^2/\text{NDF}: 1739.8/25$

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.380 ± 0.115 $\chi^2/\text{NDF}: 438.8/16$

Left Out: 25.106 ± 0.106 $\chi^2/\text{NDF}: 42667.5/7$

Right Out: 2.631 ± 0.103 $\chi^2/\text{NDF}: 842.8/19$

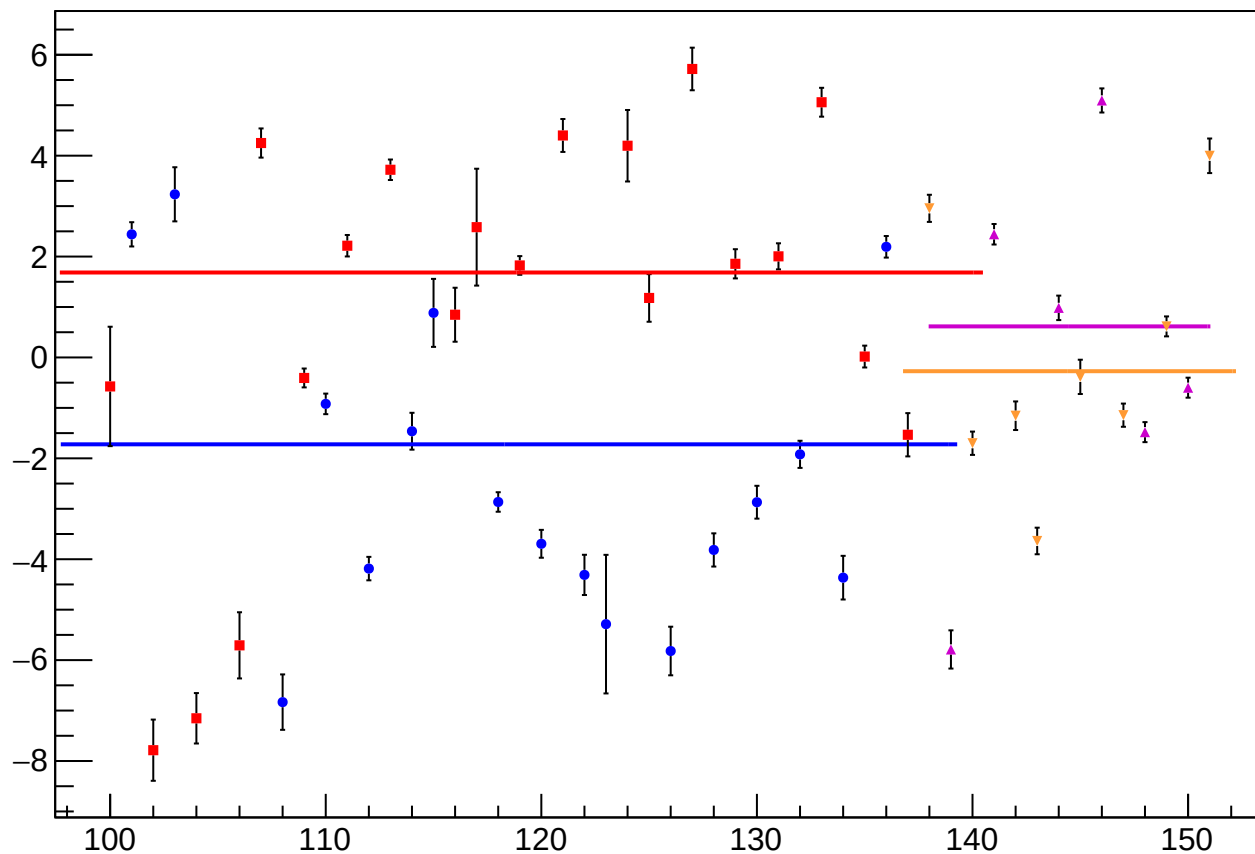
Left In: -24.290 ± 0.108 $\chi^2/\text{NDF}: 22119.3/5$

12.494 ± 0.078 $\chi^2/\text{NDF}: 74003.3/24$

0.605 ± 0.054 $\chi^2/\text{NDF}: 174128.9/50$

-10.241 ± 0.074 $\chi^2/\text{NDF}: 55608.2/25$

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: -0.273 ± 0.091 χ^2/NDF : 545.0/7

Right Out: 1.684 ± 0.068 χ^2/NDF : 1431.6/19

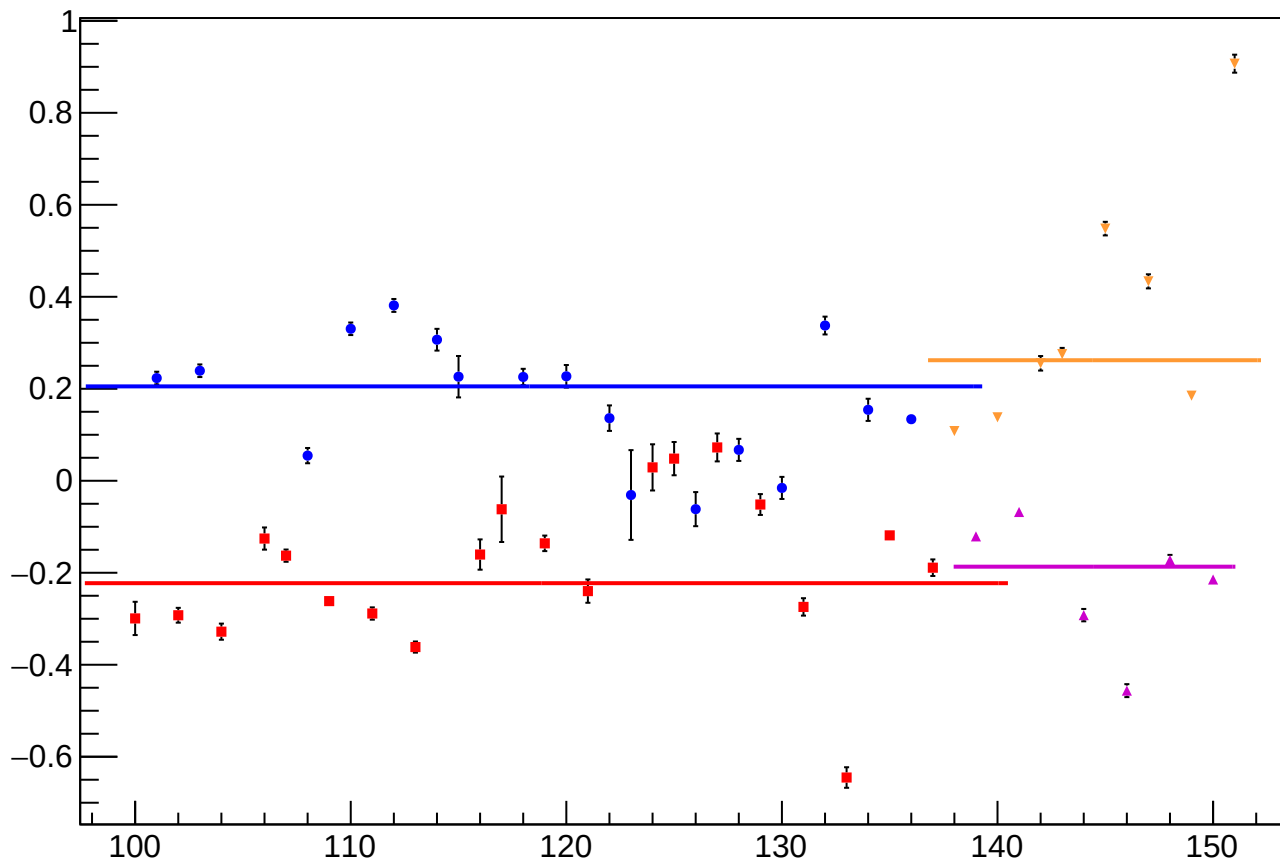
Left In: 0.616 ± 0.093 χ^2/NDF : 868.8/5

-1.153 ± 0.057 χ^2/NDF : 1947.0/24

0.129 ± 0.039 χ^2/NDF : 5306.6/50

1.311 ± 0.055 χ^2/NDF : 2387.0/25

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: 0.262±/0.004 χ^2/NDF : 2076.4/7

Right Out: -0.223±/0.004 χ^2/NDF : 1045.6/19

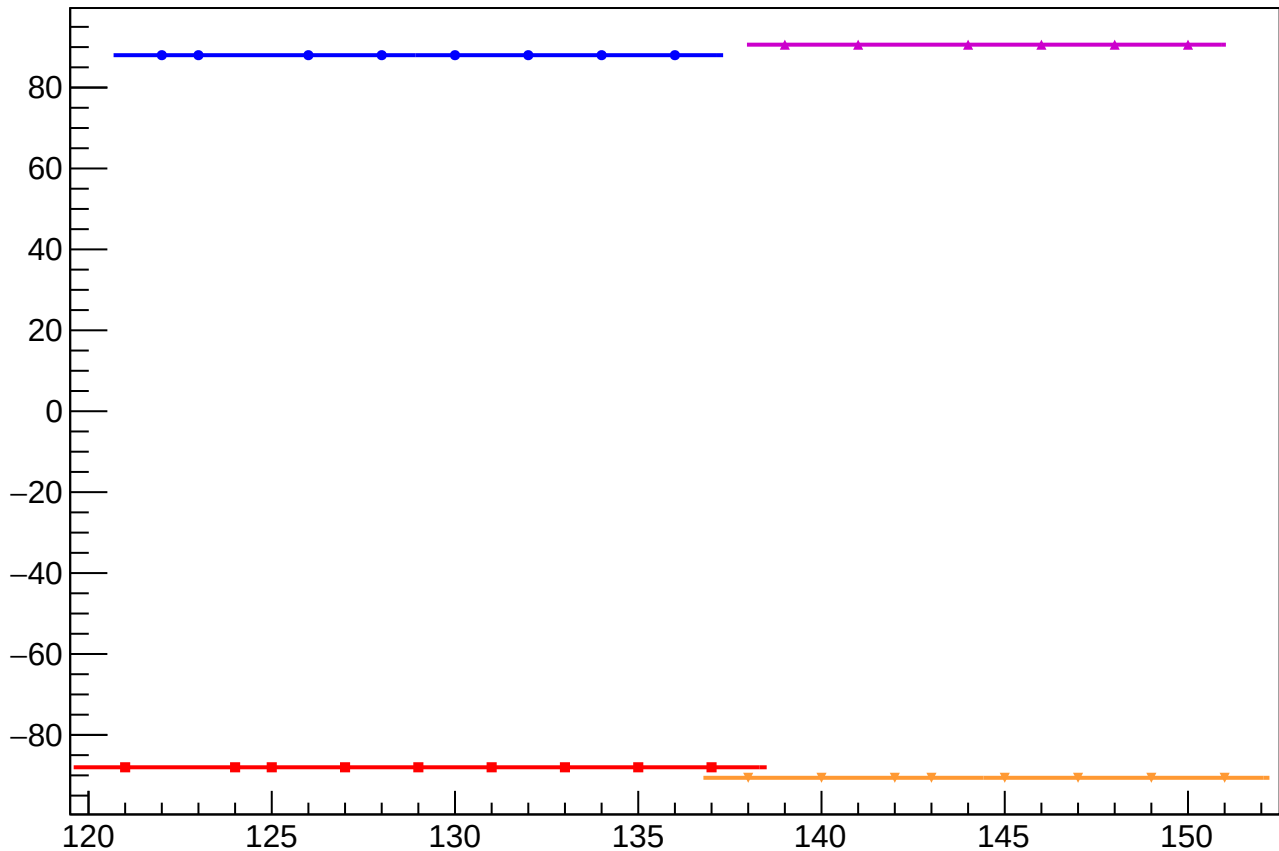
Left In: -0.187±/0.004 χ^2/NDF : 637.3/5

0.233±/0.003 χ^2/NDF : 2813.1/24

-0.001±/0.002 χ^2/NDF : 15472.2/50

-0.207±/0.003 χ^2/NDF : 1721.1/25

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001 +/- 0.000 χ^2/NDF : 714089.5/7

Left Out: -90.599 +/- 0.000 χ^2/NDF : 3114246.1/7

Right Out: -88.001 +/- 0.000 χ^2/NDF : 109456.0/8

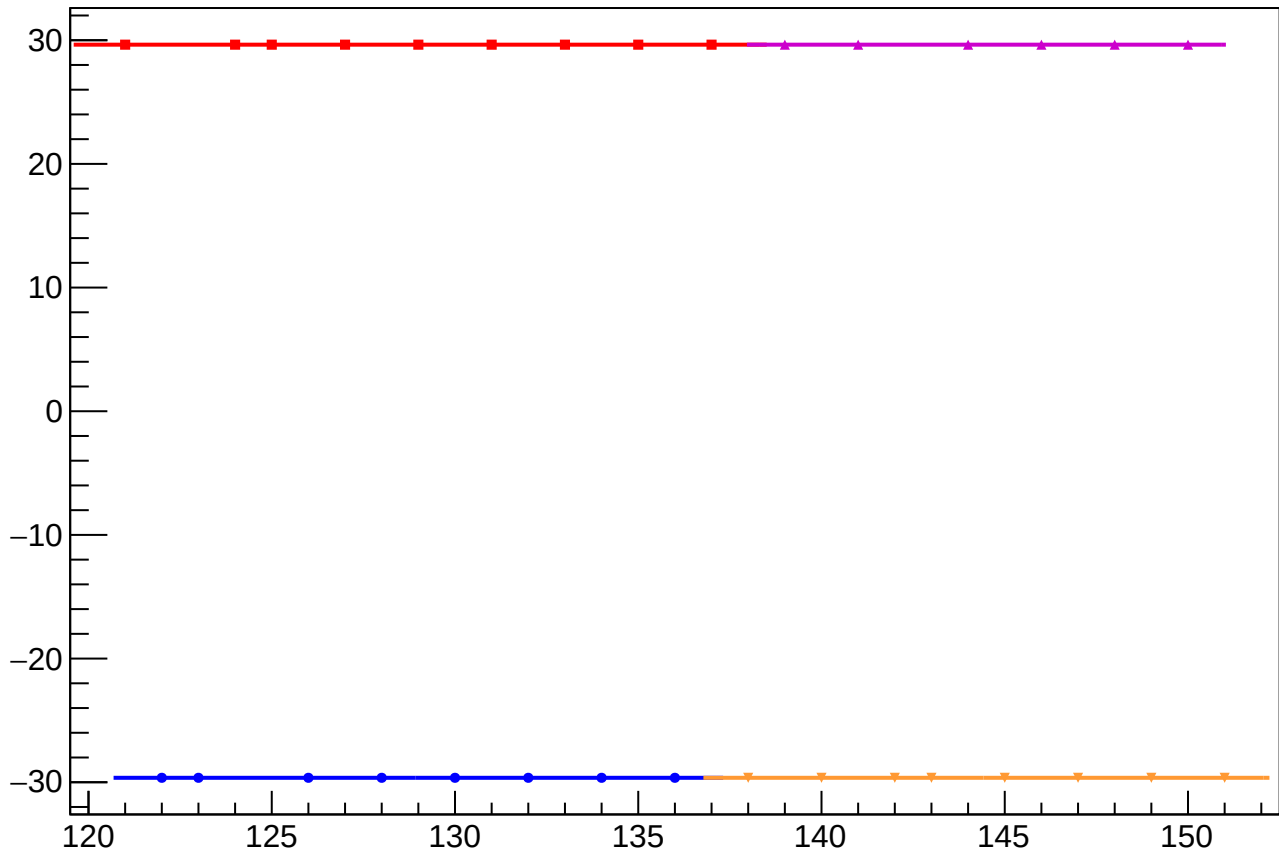
Left In: 90.599 +/- 0.000 χ^2/NDF : 480839.1/5

-25.272 +/- 0.000 χ^2/NDF : 69188210435935763

-3.328 +/- 0.000 χ^2/NDF : 1412021478318

21.541 +/- 0.000 χ^2/NDF : 62409422005333226

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.641+/-0.000 χ^2/NDF : 405045.4/7

Left Out: -29.641+/-0.000 χ^2/NDF : 160422.8/7

Right Out: 29.641+/-0.000 χ^2/NDF : 29358.2/8

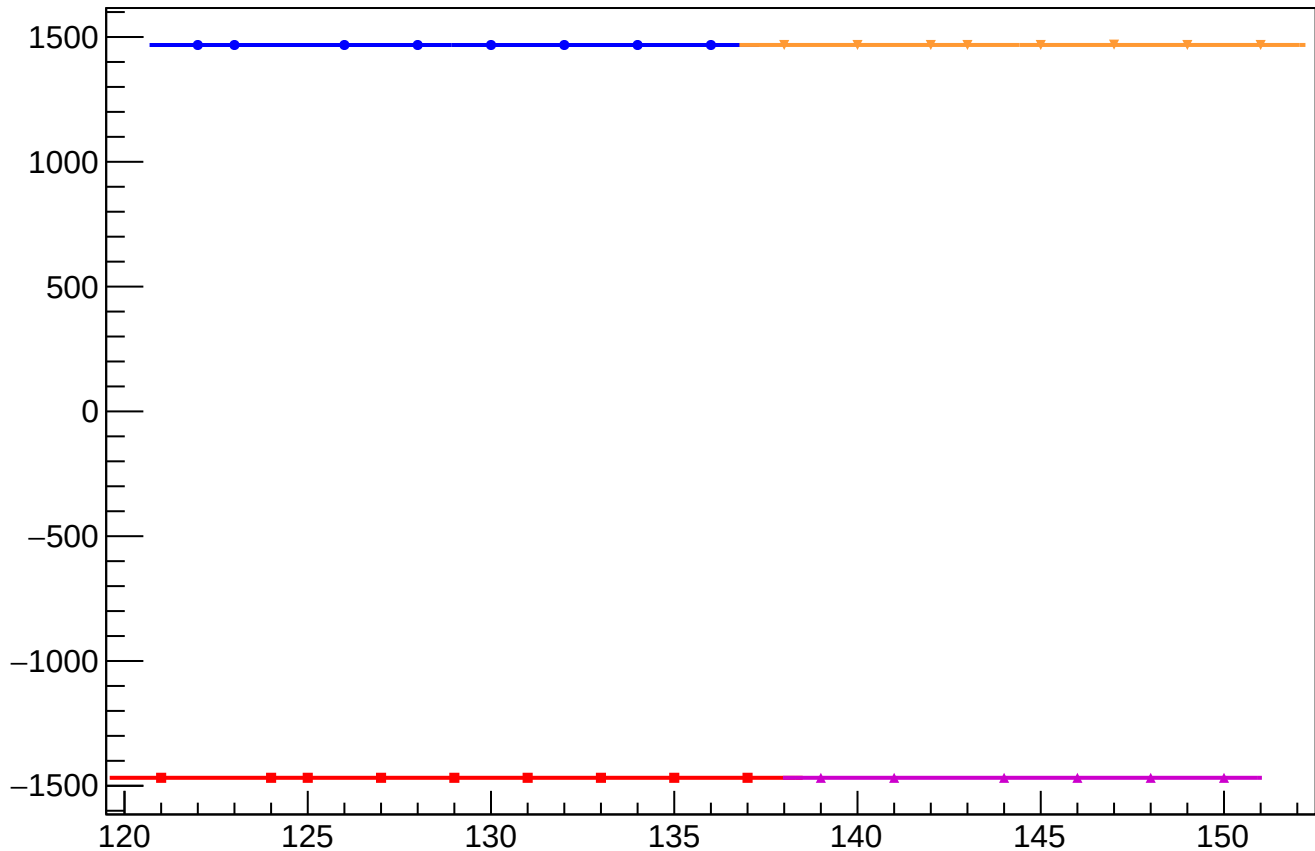
Left In: 29.641+/-0.000 χ^2/NDF : 15701.5/5

-29.641+/-0.000 χ^2/NDF : 903378.3/15

-1.853+/-0.000 χ^2/NDF : 1540245278308

29.641+/-0.000 χ^2/NDF : 1080802.5/14

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1467.979 $\pm$ 0.000 χ^2/NDF : 436234375.5/7

Left Out: 1468.156 $\pm$ 0.000 χ^2/NDF : 117918747226670561222918685065216.0/7

Right Out: -1467.979 $\pm$ 0.000 χ^2/NDF : 83183350.3/8

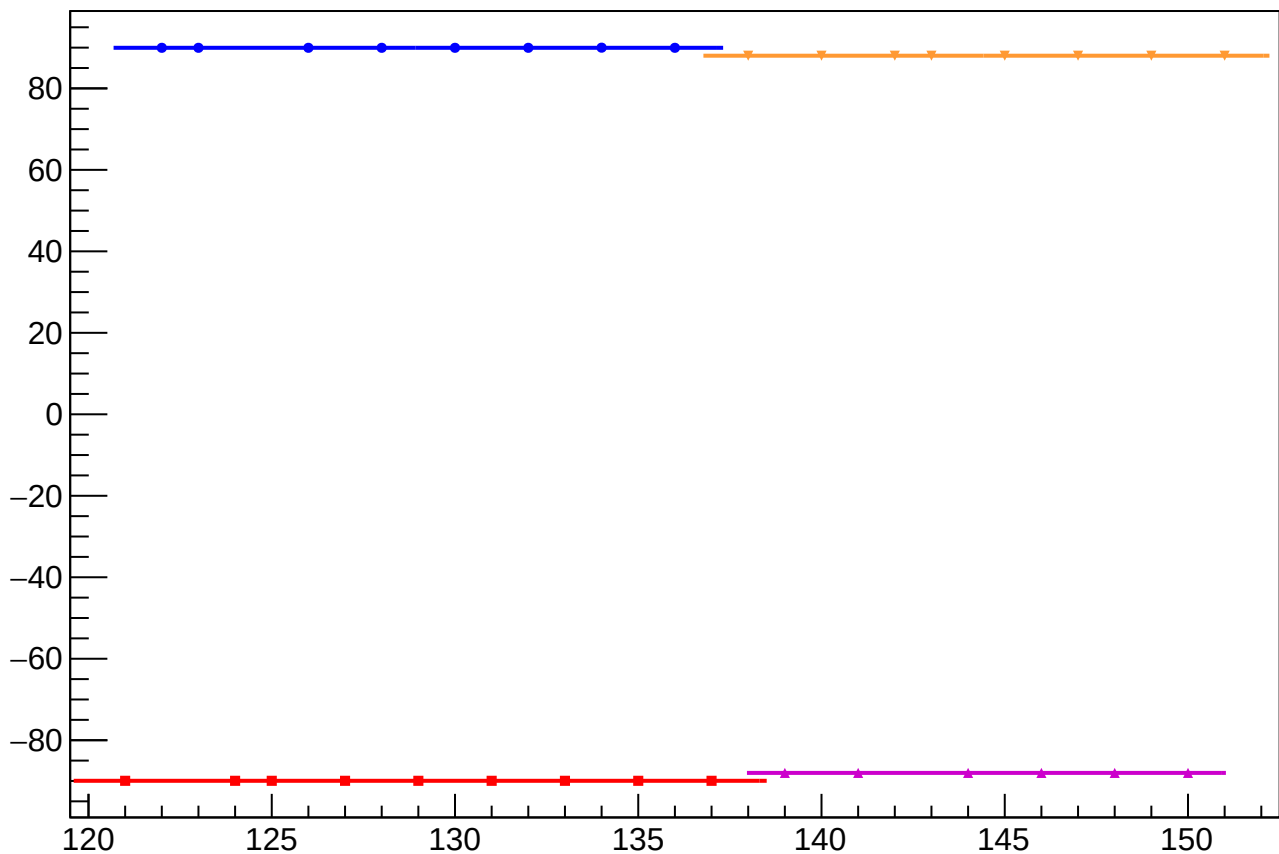
Left In: -1467.979 $\pm$ 0.000 χ^2/NDF : 31329465.7/5

1468.091 $\pm$ 0.000 χ^2/NDF : 1246769137005311

91.808 $\pm$ 0.000 χ^2/NDF : 3778208126597

-1467.979 $\pm$ 0.000 χ^2/NDF : 998355300.6/14

Phi_FG_mean vs Slug, Sign Corrected



Right In: 89.961 $\pm$ 0.000 χ^2/NDF : 21528640598708602874349223936.0/7

Left Out: 88.021 $\pm$ 0.000 χ^2/NDF : 2878774.3/7

Right Out: -89.959 $\pm$ 0.000 χ^2/NDF : 331397.3/8

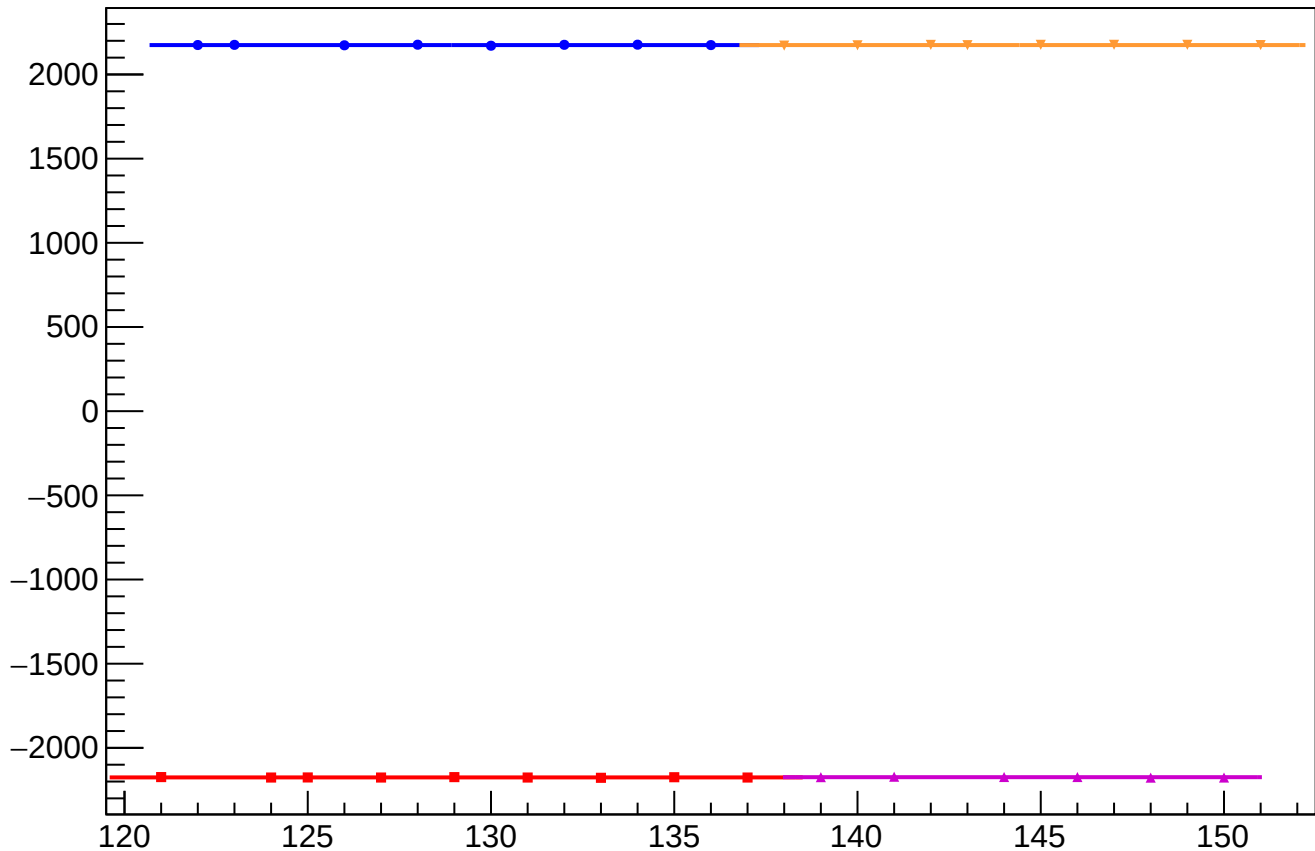
Left In: -88.021 $\pm$ 0.000 χ^2/NDF : 481243.0/5

88.731 $\pm$ 0.000 χ^2/NDF : 816888943593796460

5.527 $\pm$ 0.000 χ^2/NDF : 13810279647024

-88.770 $\pm$ 0.000 χ^2/NDF : 73529373874552966

HALLA_p_mean vs Slug, Sign Corrected



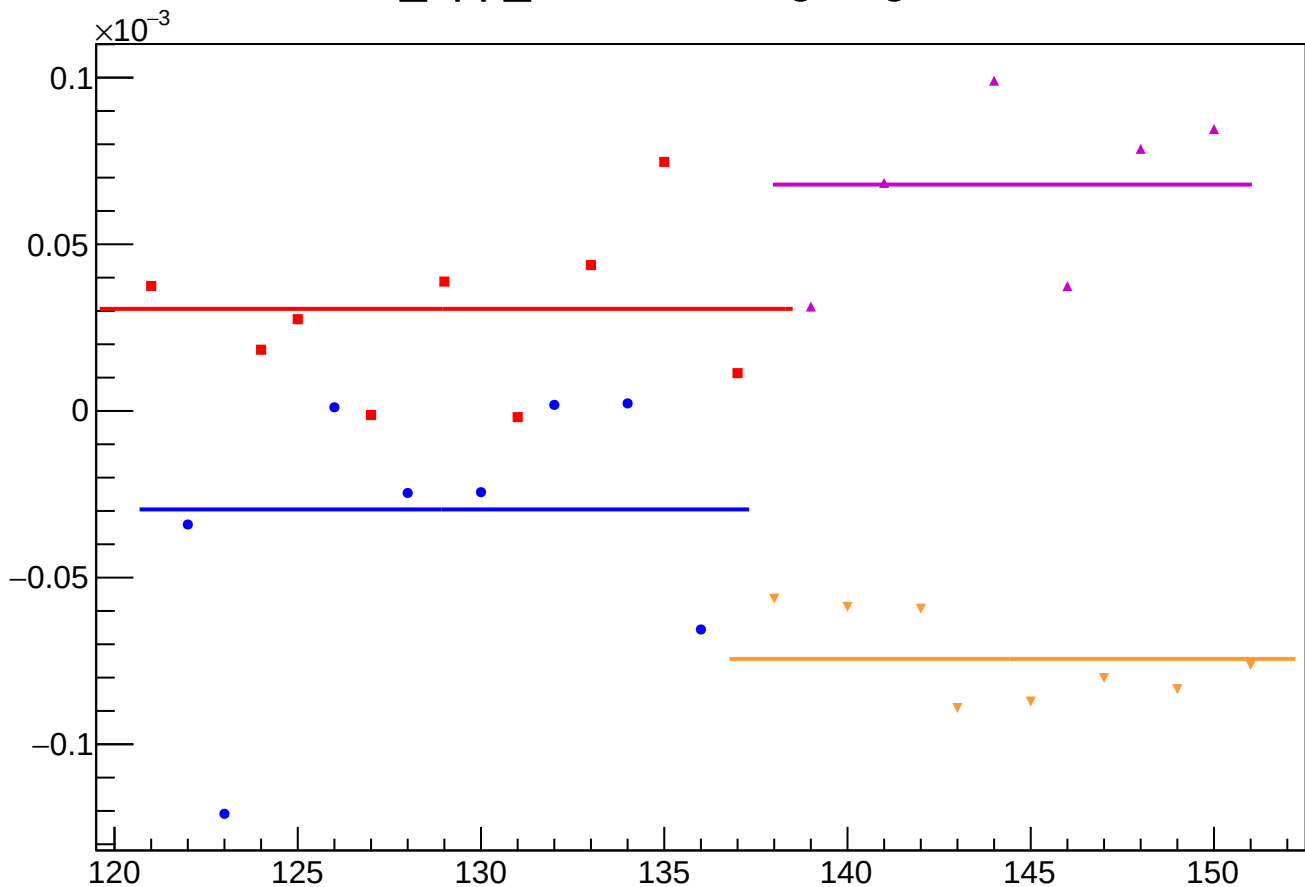
Right In: 2174.572+/-0.000 χ^2/NDF : 1360264074026849381407550448074752.0/7

Left Out: 2174.638+/-0.000 χ^2/NDF : 1585260040557147729782144652804096.0/7

Right Out: -2175.442+/-0.000 χ^2/NDF : 610778445075790556034346524868608.0/8

Left In: -2174.089+/-0.000 χ^2/NDF : 1826642615883062304123294840782848.0/5

HALLA_dpp_mean vs Slug, Sign Corrected



Right In: -0.000 ± 0.000 χ^2/NDF : 250161267307815387529216.0/7

Left Out: -0.000 ± 0.000 χ^2/NDF : 93387999332495398010880.0/7

Right Out: 0.000 ± 0.000 χ^2/NDF : 196732771178766734983168.0/8

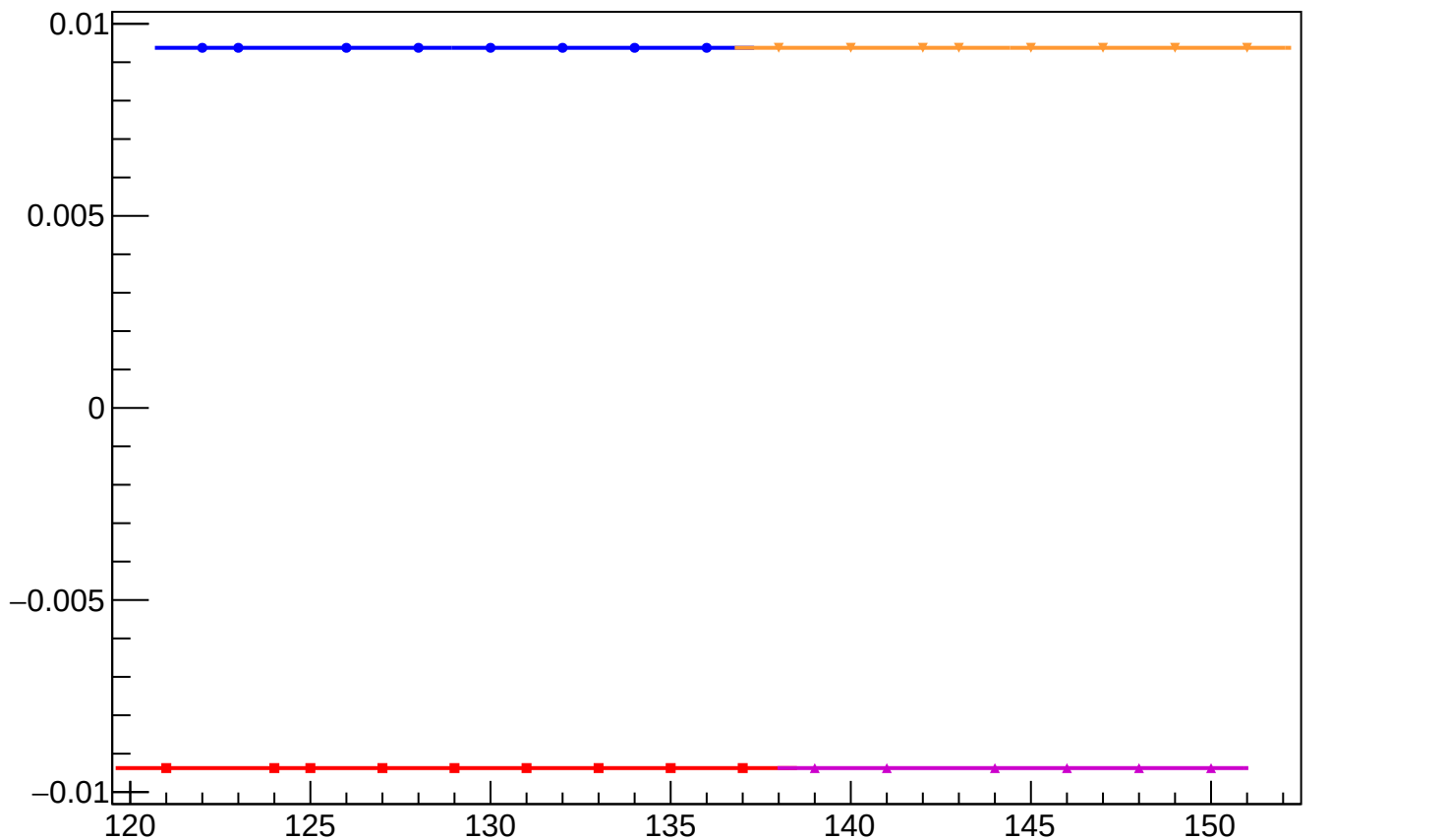
Left In: 0.000 ± 0.000 χ^2/NDF : 297557749286893397213184.0/5

-0.000 ± 0.000 χ^2/NDF : 779884309826695677

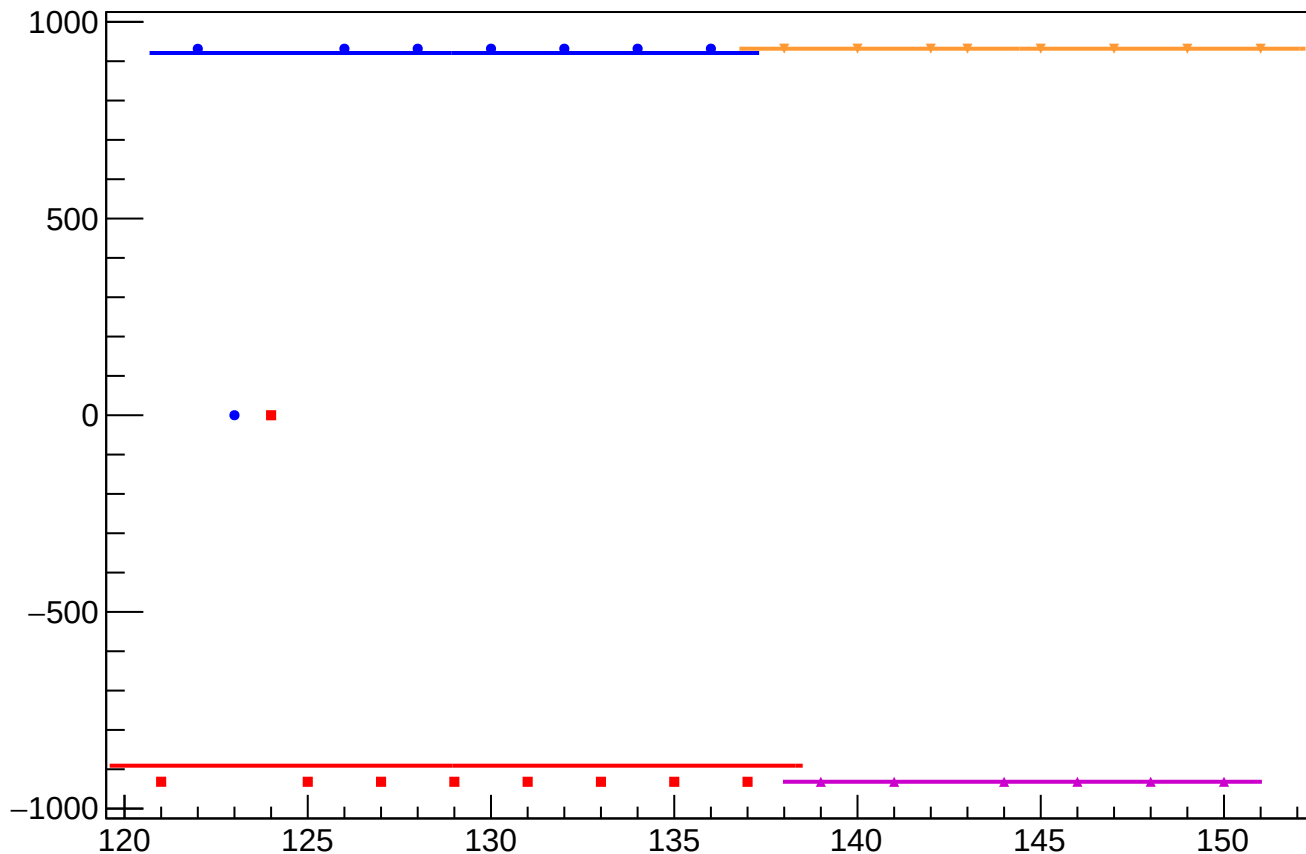
-0.000 ± 0.000 χ^2/NDF : 6993964360893

0.000 ± 0.000 χ^2/NDF : 7662613256745213304

MQ171LM_mean vs Slug, Sign Corrected



HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



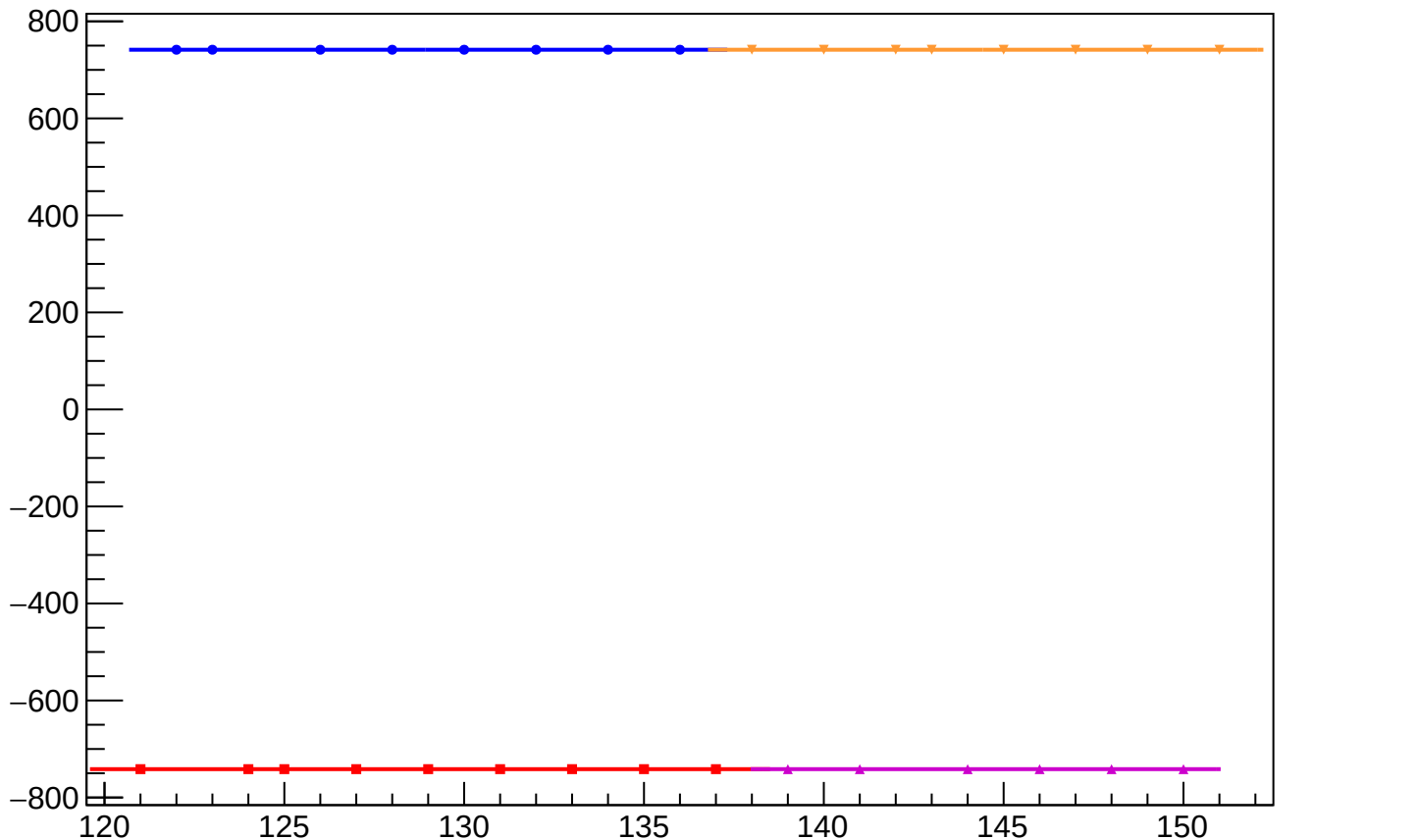
Right In: 920.898+/-0.000 χ^2/NDF : 3432128841951899861299566212080992256.0/7

Left Out: 931.811+/-0.000 χ^2/NDF : 2617528609456345250548859011072.0/7

Right Out: -890.923+/-0.000 χ^2/NDF : 11621671430114409722932854398744788992.0/8

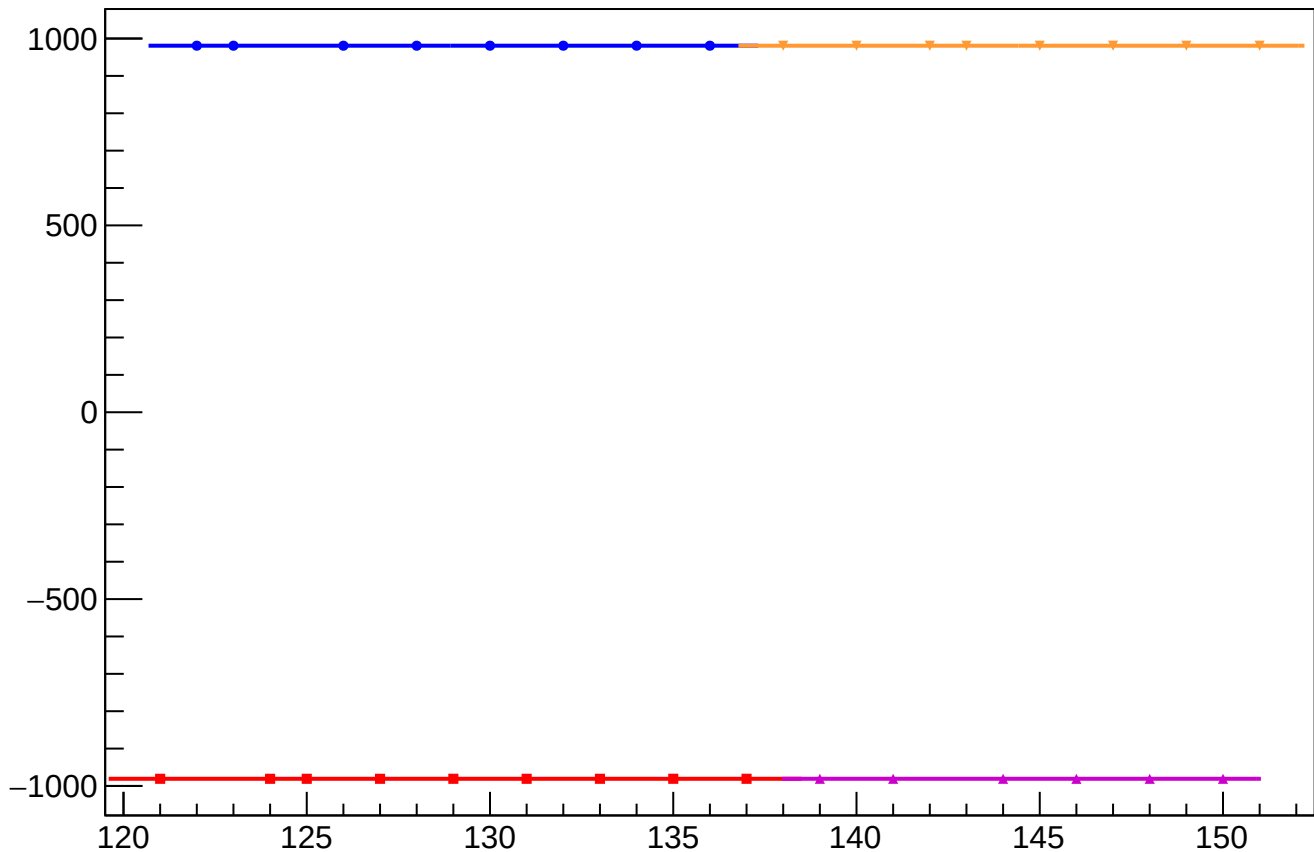
Left In: -931.804+/-0.000 χ^2/NDF : 2126755439417880185906122457088.0/5

HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 741.528 $\pm$ 0.000 χ^2/NDF : 18896144326732419810052800512.0/7
 Left Out: 741.524 $\pm$ 0.000 χ^2/NDF : 40253842789484149202772557824.0/7
 Right Out: -741.529 $\pm$ 0.000 χ^2/NDF : 16580353917842624420385914880.0/8
 Left In: -741.526 $\pm$ 0.000 χ^2/NDF : 16667720865575703756970917888.0/5

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



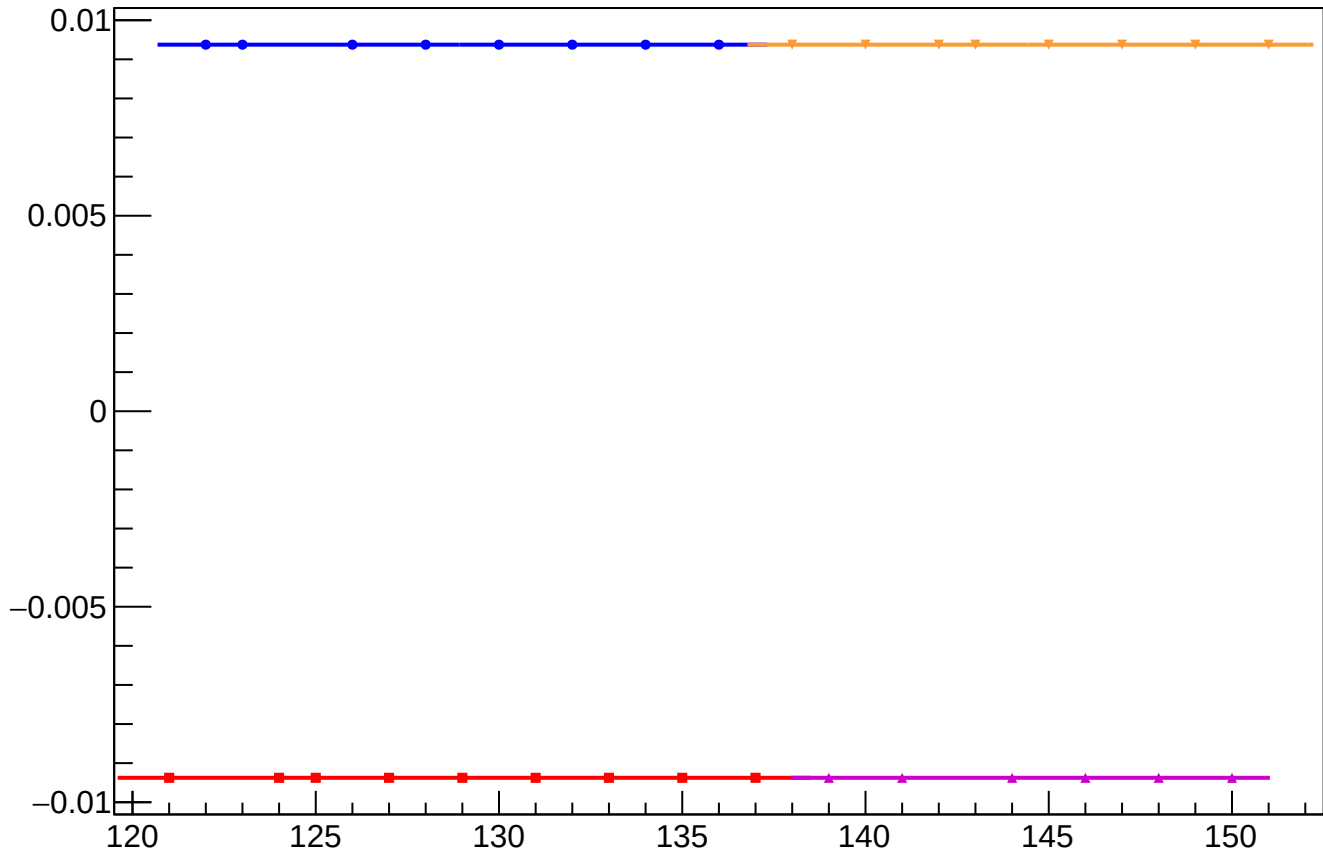
Right In: 980.825+/-0.000 χ^2/NDF : 159345321268745350954763681792.0/7

Left Out: 980.783+/-0.000 χ^2/NDF : 424477545486687072773252055040.0/7

Right Out: -980.818+/-0.000 χ^2/NDF : 143689912167528137563261894656.0/8

Left In: -980.796+/-0.000 χ^2/NDF : 688435550963605742520572575744.0/5

MQ172RM_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 : 0.0/7

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

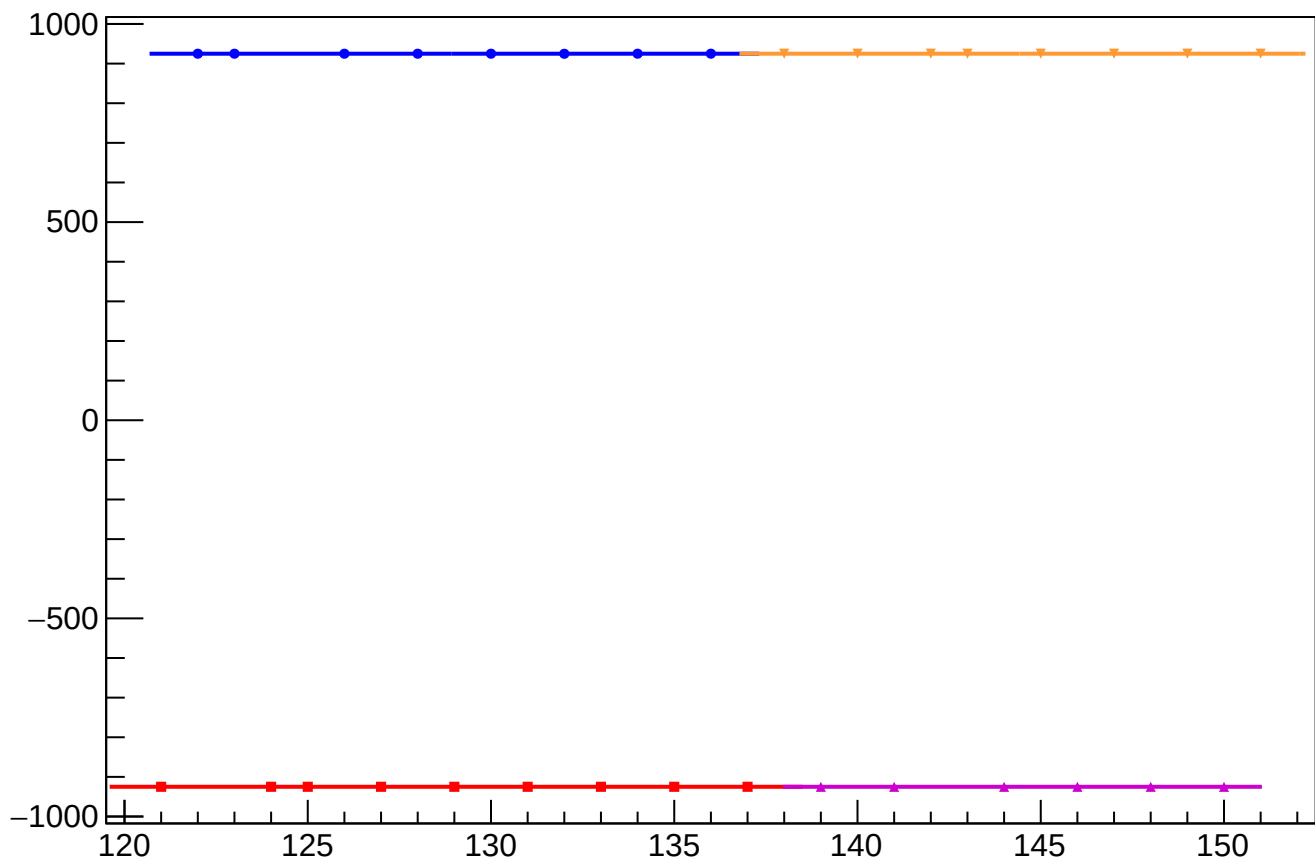
Left In: -0.009+/-0.000 χ^2/NDF : 0.0/5

0.009+/-0.000 χ^2/NDF : 0.1/15

0.001+/-0.000 χ^2/NDF : 15408325195312

-0.009+/-0.000 χ^2/NDF : 0.1/14

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.939+/-0.000 χ^2/NDF : 1401458495809517406218388242432.0/7

Left Out: 925.000+/-0.000 χ^2/NDF : 385497133891056330167984062464.0/7

Right Out: -924.957+/-0.000 χ^2/NDF : 71808709366506786060310151168.0/8

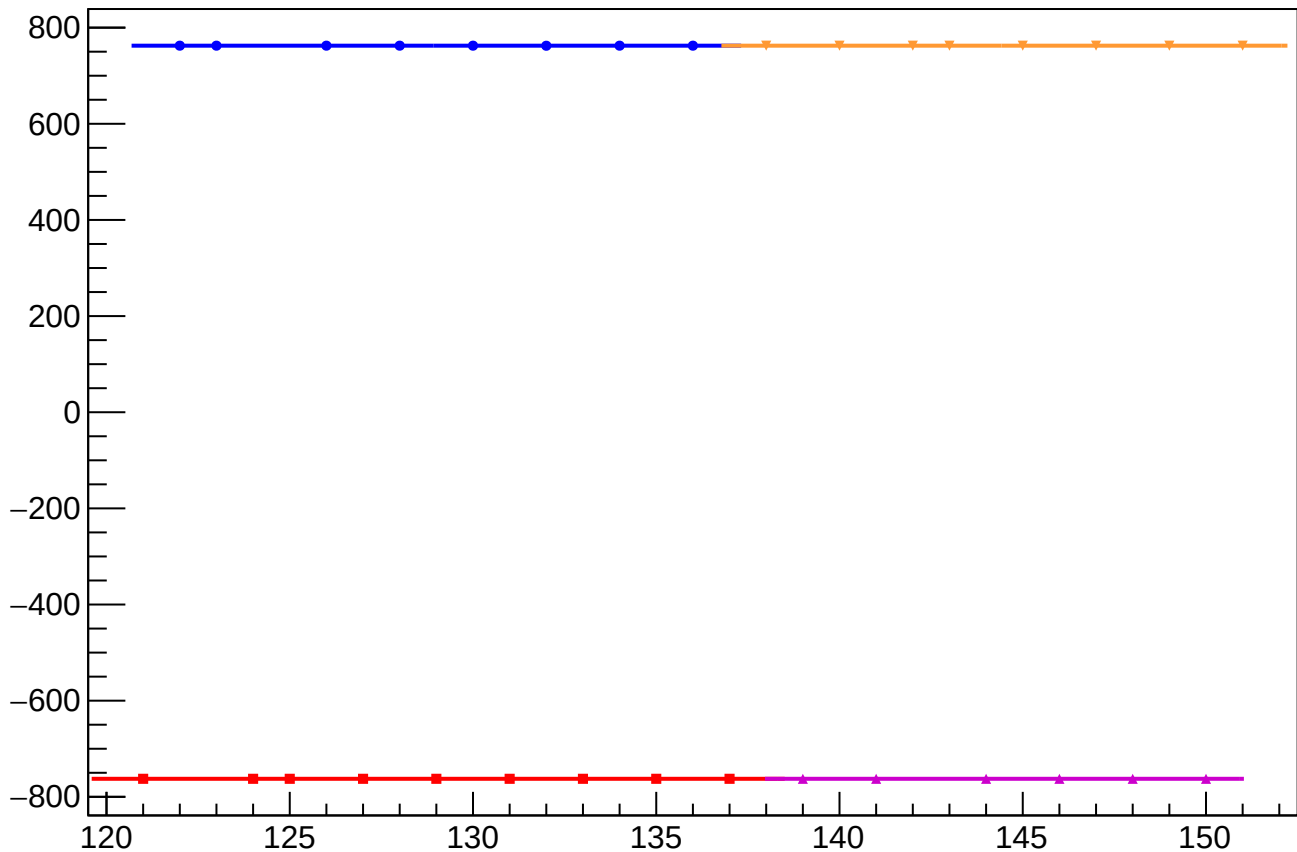
Left In: -924.996+/-0.000 χ^2/NDF : 210215266456600195755136778240.0/5

924.978+/-0.000 χ^2/NDF : 25891177688135083

57.810+/-0.000 χ^2/NDF : 1499951475926

-924.981+/-0.000 χ^2/NDF : 5849811925875667

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 762.484+/-0.000 χ^2/NDF : 784430761251084401798891438080.0/7

Left Out: 762.496+/-0.000 χ^2/NDF : 60680082690900650568148058112.0/7

Right Out: -762.501+/-0.000 χ^2/NDF : 469794702848036819563446272.0/8

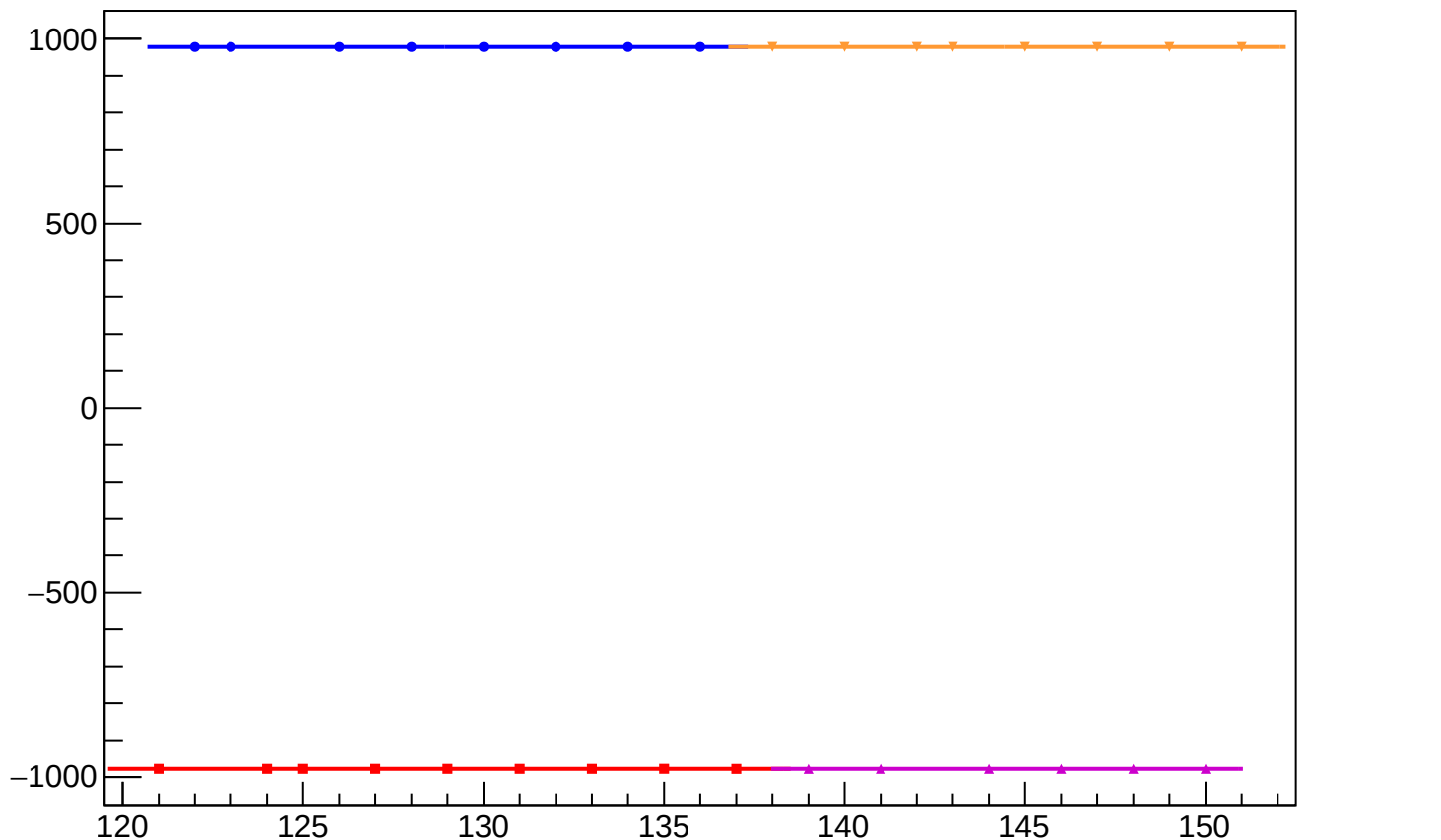
Left In: -762.498+/-0.000 χ^2/NDF : 48111266962162211875356409856.0/5

762.492+/-0.000 χ^2/NDF : 88107342483184255

47.652+/-0.000 χ^2/NDF : 1019266048603

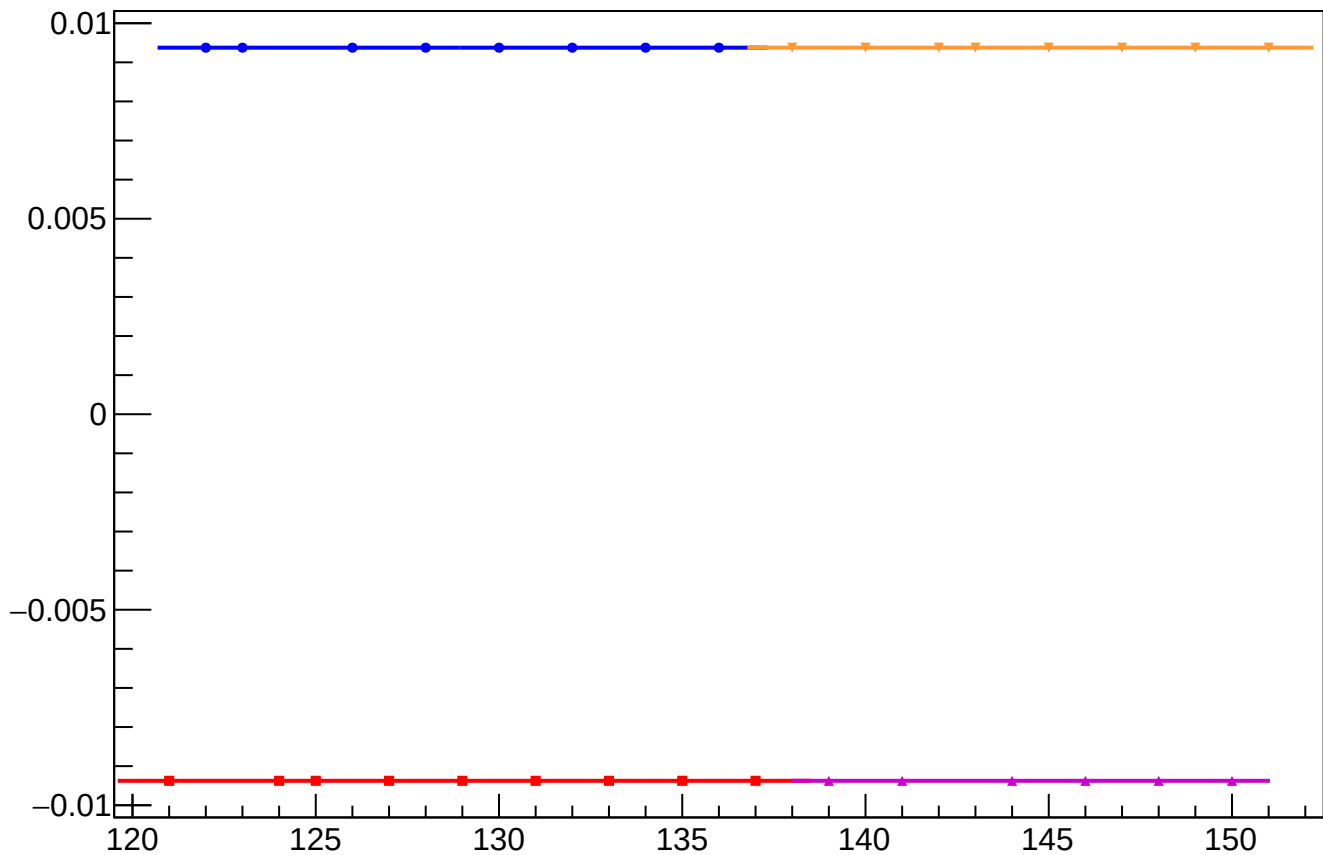
-762.499+/-0.000 χ^2/NDF : 5019504688647621

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.741+/-0.000 χ^2/NDF : 1738104571804792841781326643200.0/7
 Left Out: 977.760+/-0.000 χ^2/NDF : 647195893079383580461676625920.0/7
 Right Out: -977.737+/-0.000 χ^2/NDF : 772313054358211830610902646784.0/8
 Left In: -977.755+/-0.000 χ^2/NDF : 630628910279199530596954013696.0/5

hesDipole_current_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 : 0.0/7

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

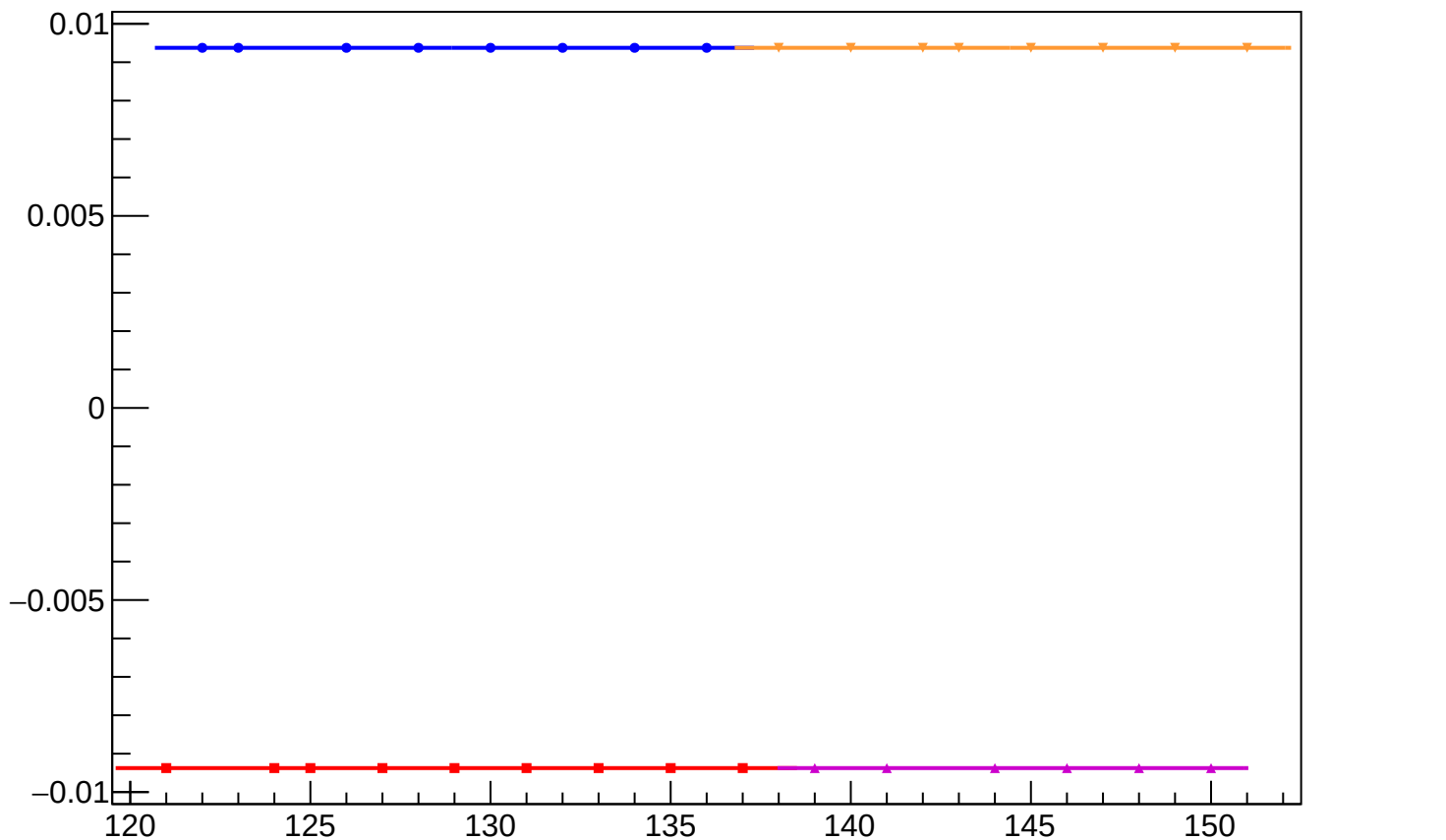
Left In: -0.009+/-0.000 χ^2/NDF : 0.0/5

0.009+/-0.000 χ^2/NDF : 0.1/15

0.001+/-0.000 χ^2/NDF : 15408325195312

-0.009+/-0.000 χ^2/NDF : 0.1/14

MSUPERBIGBITereadcalc_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 : 0.0/7

Right Out: -0.009 $\pm$ 0.000 χ^2/NDF : 0.0/8

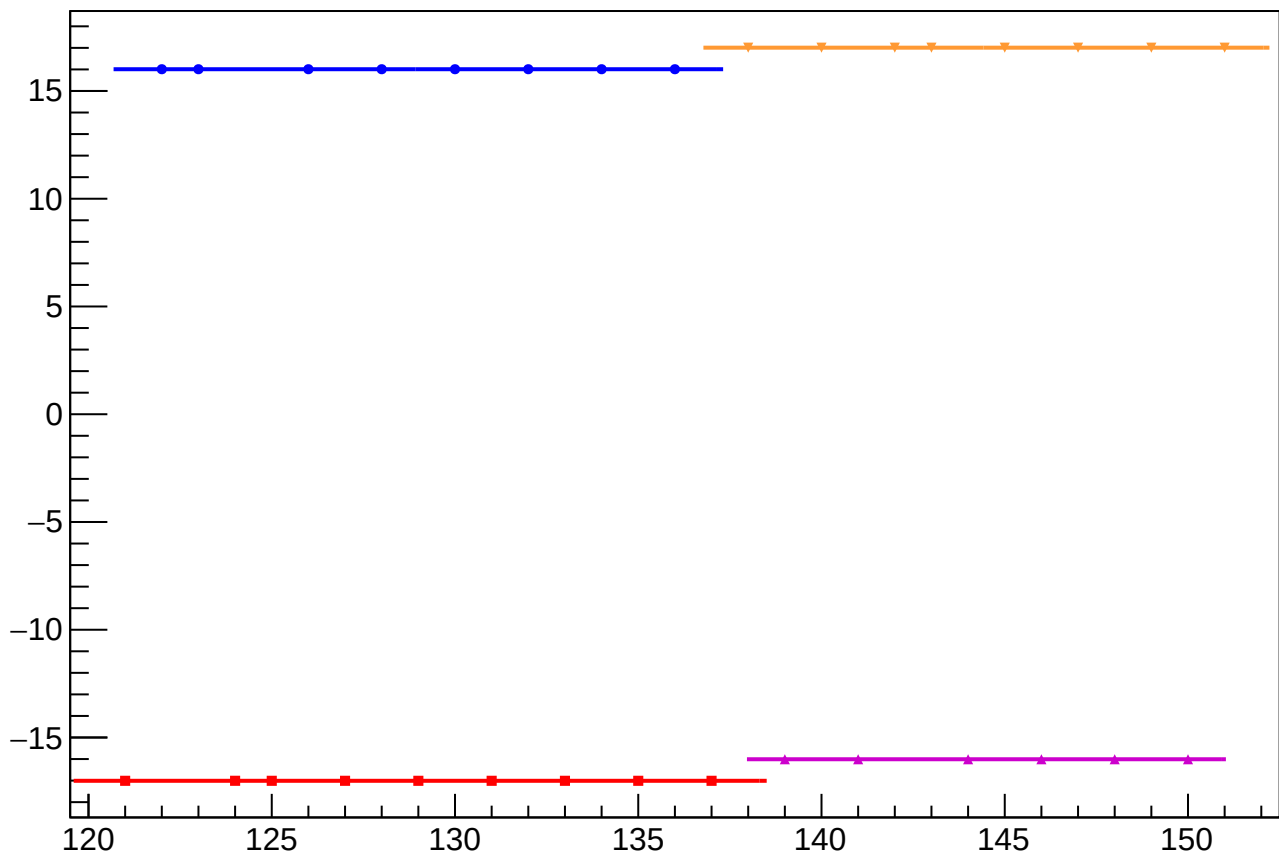
Left In: -0.009 $\pm$ 0.000 χ^2/NDF : 0.0/5

0.009 $\pm$ 0.000 χ^2/NDF : 0.1/15

0.001 $\pm$ 0.000 χ^2/NDF : 15408325195312

-0.009 $\pm$ 0.000 χ^2/NDF : 0.1/14

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009 $\pm$ 0.000 χ^2 /NDF: 30506.8/7

Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 5061521898732741353013248.0/7

Right Out: -17.009 $\pm$ 0.000 χ^2 /NDF: 8333578329558812540796928.0/8

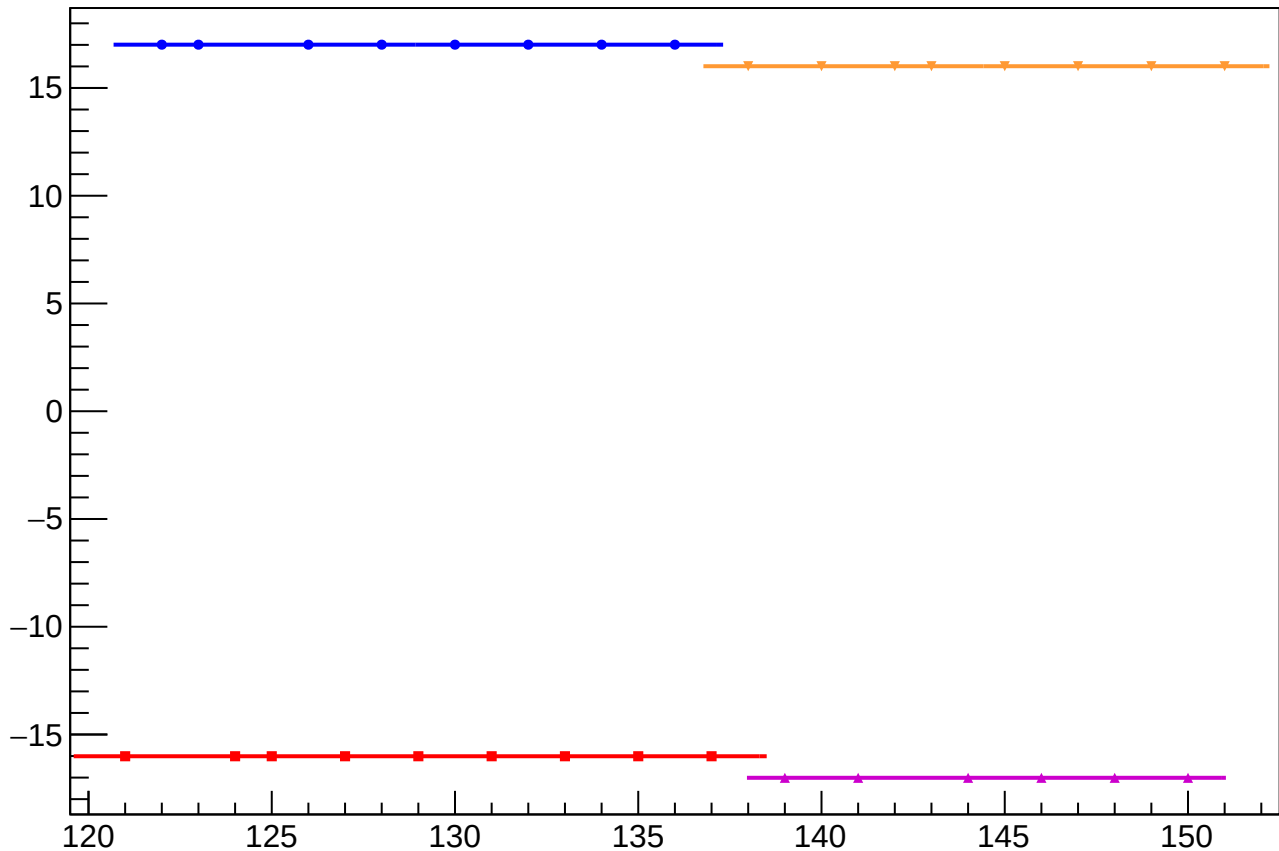
Left In: -16.009 $\pm$ 0.000 χ^2 /NDF: 28424.2/5

16.640 $\pm$ 0.000 χ^2 /NDF: 199282355320550343

0.910 $\pm$ 0.000 χ^2 /NDF: 44523917260201

-16.397 $\pm$ 0.000 χ^2 /NDF: 18472150910643130

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF : 76109.3/7

Left Out: 16.009+/-0.000 χ^2/NDF : 17266.6/7

Right Out: -16.009+/-0.000 χ^2/NDF : 17859.8/8

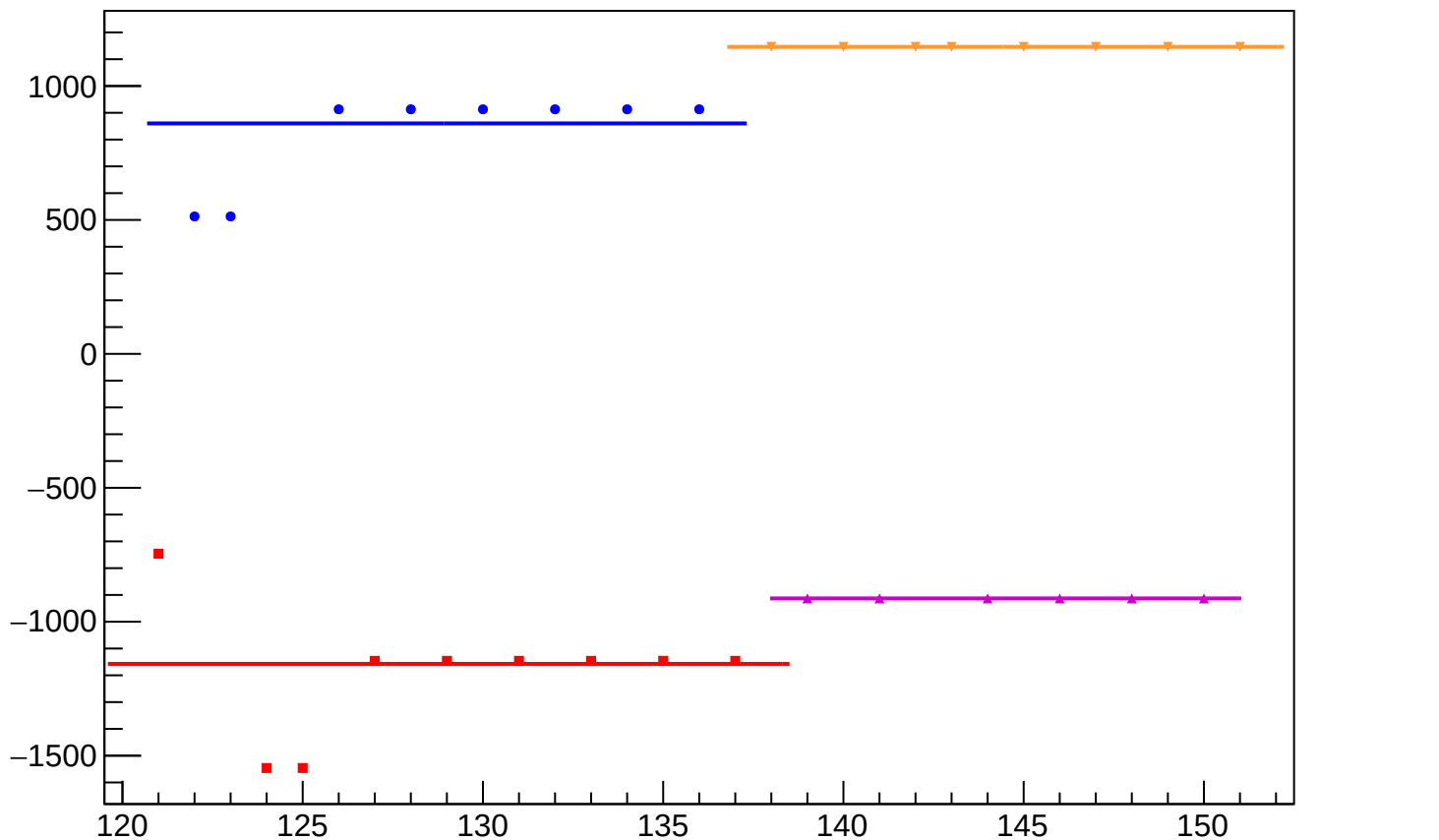
Left In: -17.009+/-0.000 χ^2/NDF : 5843.9/5

16.378+/-0.000 χ^2/NDF : 21582524271844183

0.838+/-0.000 χ^2/NDF : 47580601444989

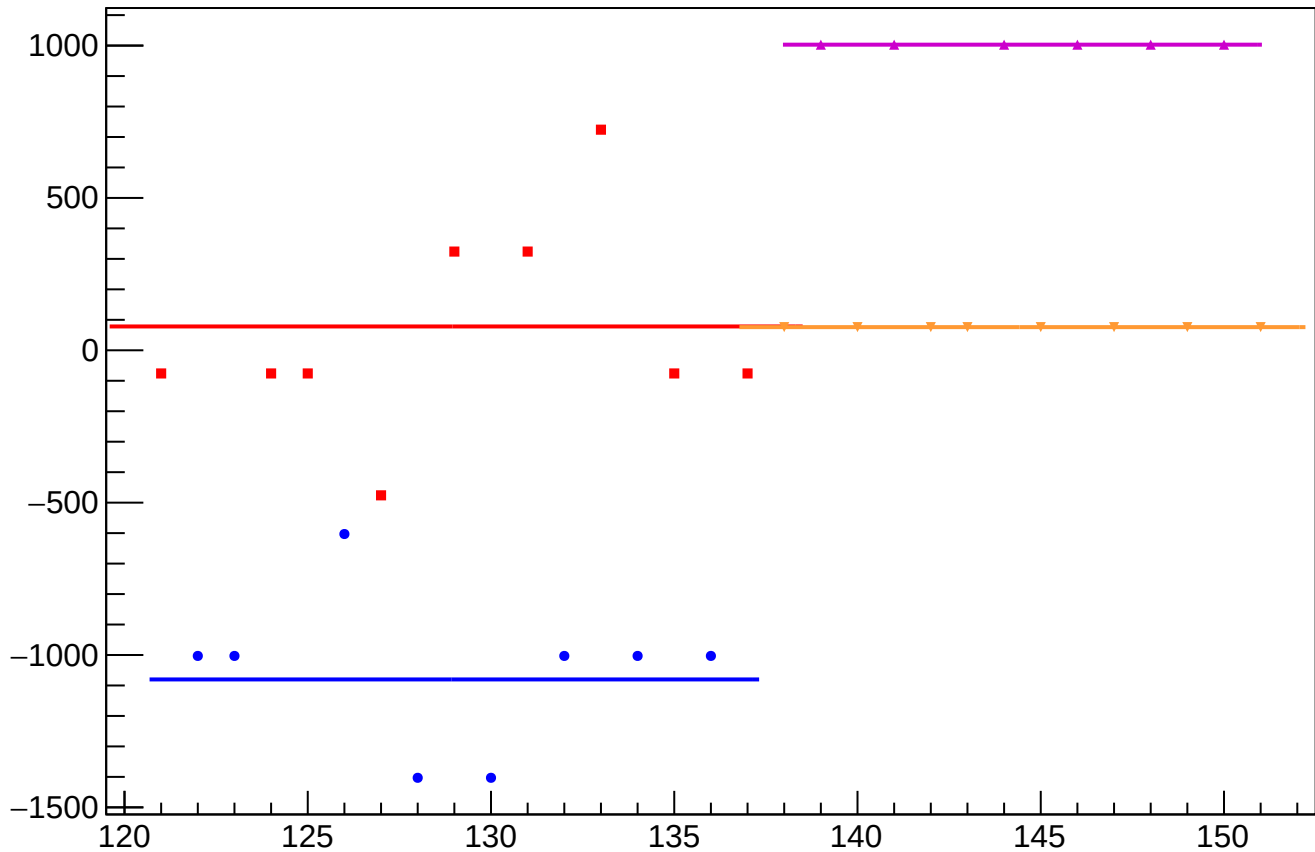
-16.623+/-0.000 χ^2/NDF : 19565333333331523

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Right In: 860.361 ± 0.000 $\chi^2/\text{NDF}: 6252693455178703850651720460594577408.0/7$
 Left Out: 1146.011 ± 0.000 $\chi^2/\text{NDF}: 2126043060985532925211574272.0/7$
 Right Out: -1157.295 ± 0.000 $\chi^2/\text{NDF}: 13880040120623316310083946144856014848.0/8$
 Left In: -912.994 ± 0.000 $\chi^2/\text{NDF}: 8747576729969103945420767232.0/5$

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Right In: -1080.182+/-0.000 χ^2/NDF : 21641787691490496475350584298794123264.0/7
 Left Out: 76.011+/-0.000 χ^2/NDF : 2656856535982967820776374272.0/7
 Right Out: 78.224+/-0.000 χ^2/NDF : 39611265375063350144036471826150326272.0/8
 Left In: 1002.989+/-0.000 χ^2/NDF : 854291995626555984909959168.0/5