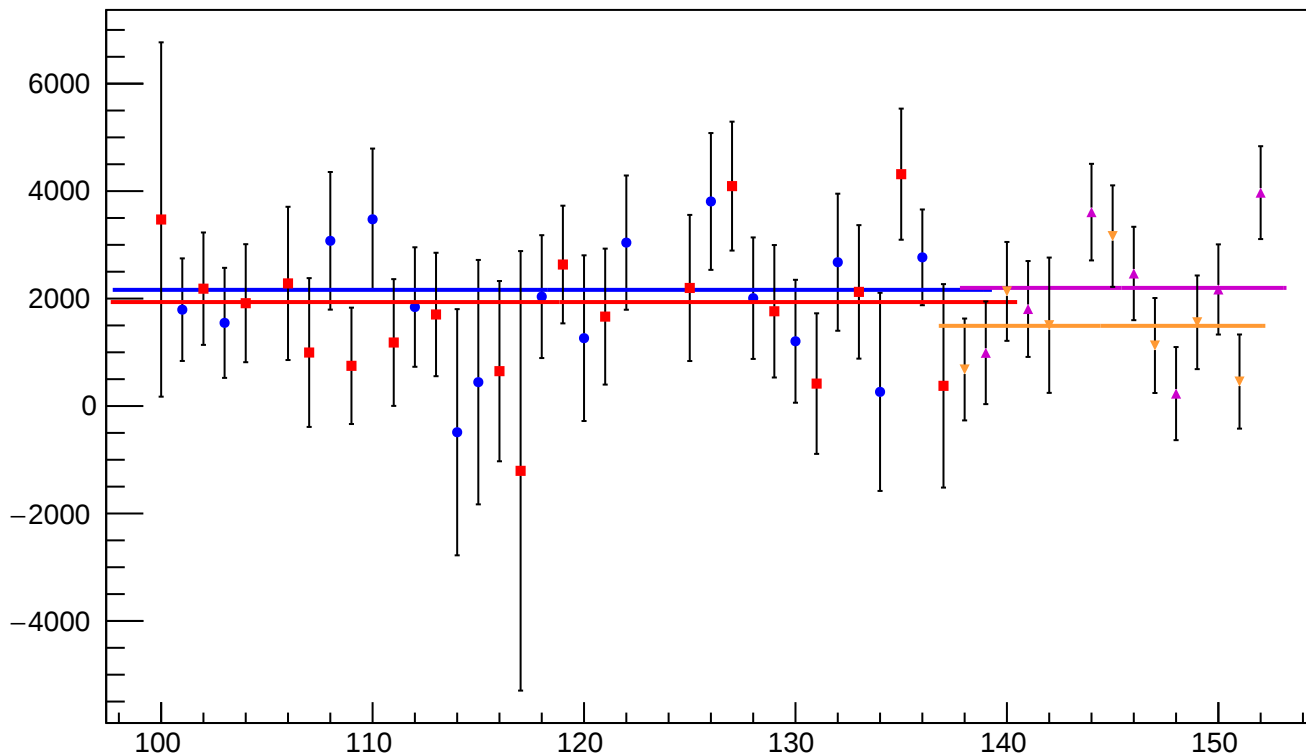


reg_asym_us_avg_mean vs Slug, Sign Corrected



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: 2198.711+/-333.262

χ^2/NDF : 13.7/6

1875.202+/-232.286

χ^2/NDF : 16.9/22

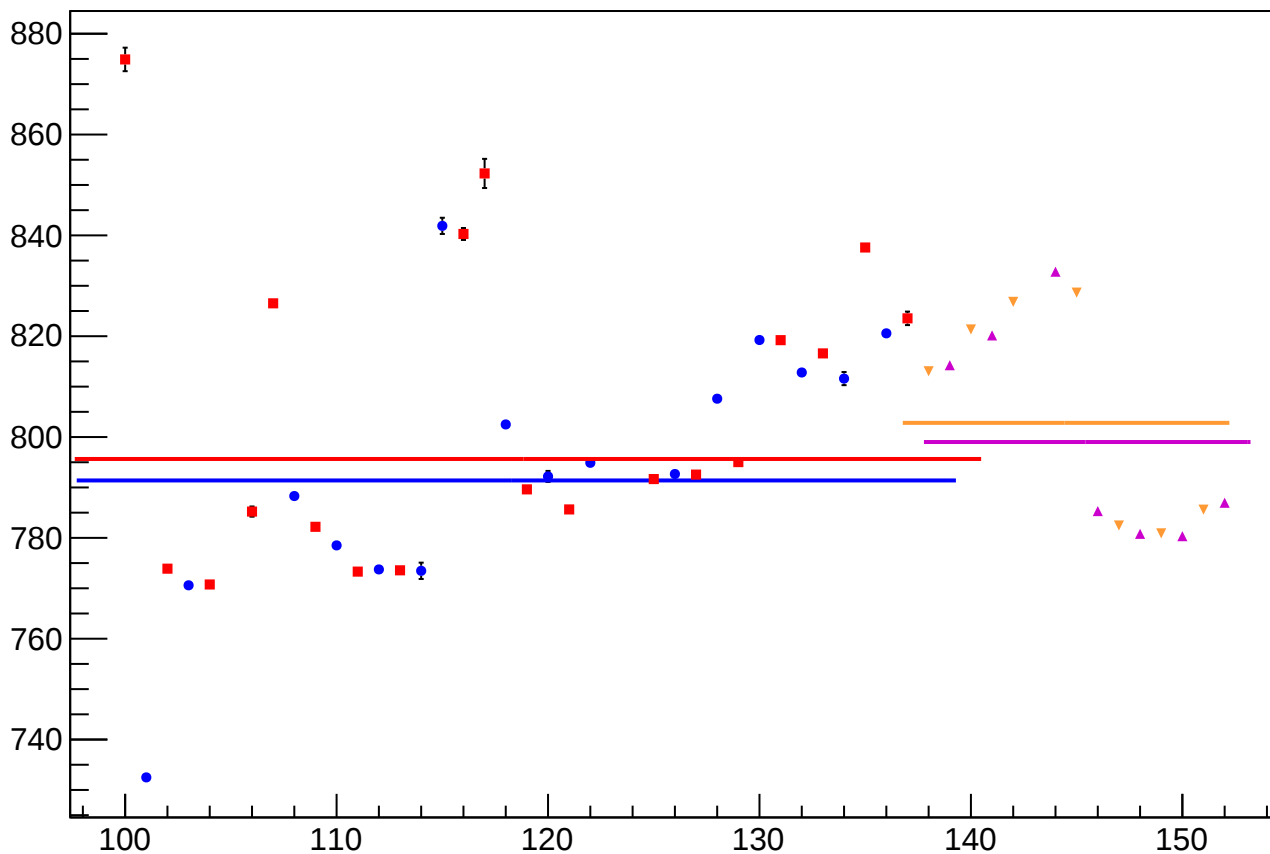
1967.800+/-160.820

χ^2/NDF : 44.5/48

2053.045+/-222.874

χ^2/NDF : 27.3/25

reg_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 791.390 ± 0.217 $\chi^2/\text{NDF}: 15008.3/15$

Left Out: 802.816 ± 0.251 $\chi^2/\text{NDF}: 6364.4/6$

Right Out: 795.650 ± 0.212 $\chi^2/\text{NDF}: 11945.4/18$

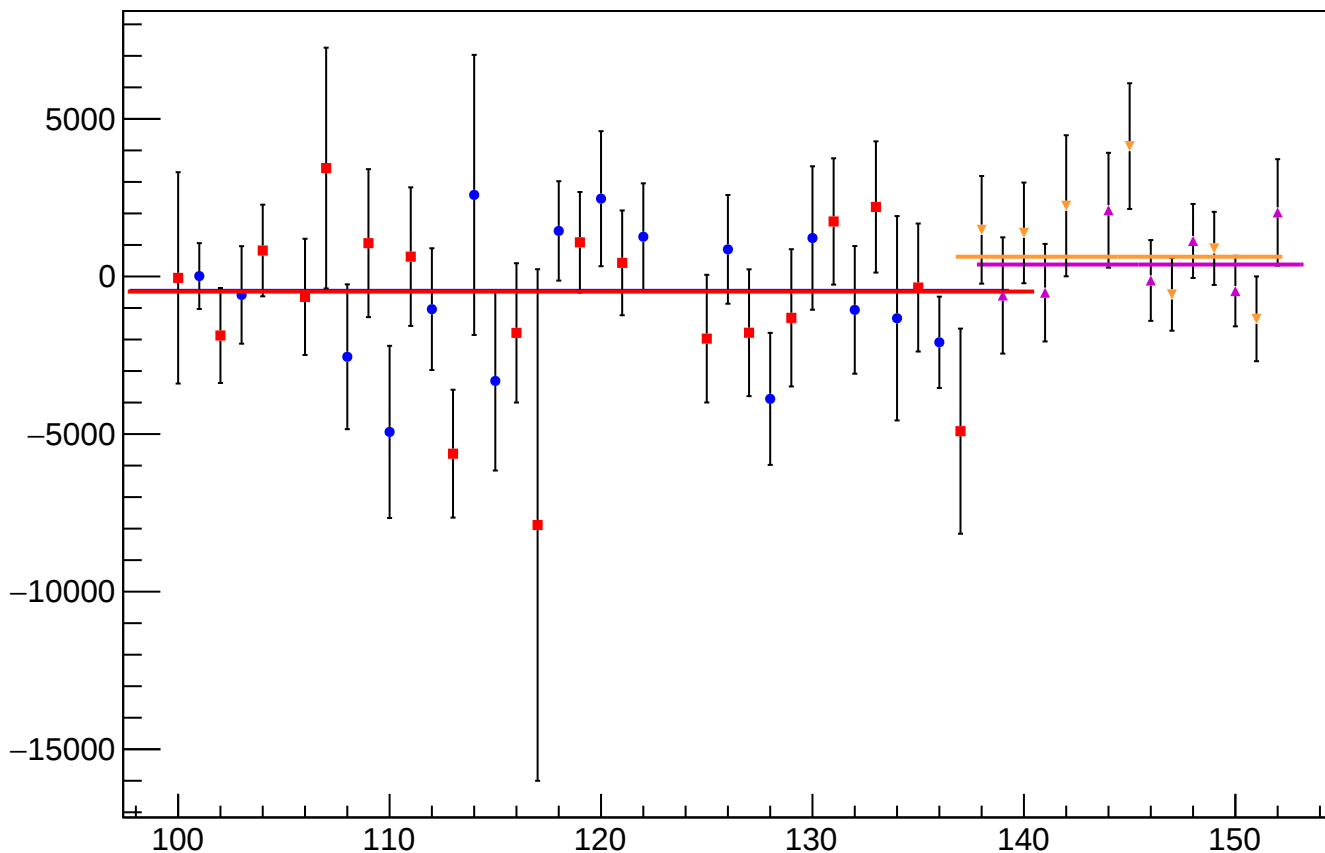
Left In: 799.013 ± 0.236 $\chi^2/\text{NDF}: 7216.0/6$

796.288 ± 0.164 $\chi^2/\text{NDF}: 22557.7/22$

796.739 ± 0.114 $\chi^2/\text{NDF}: 41846.1/48$

797.154 ± 0.158 $\chi^2/\text{NDF}: 19273.9/25$

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

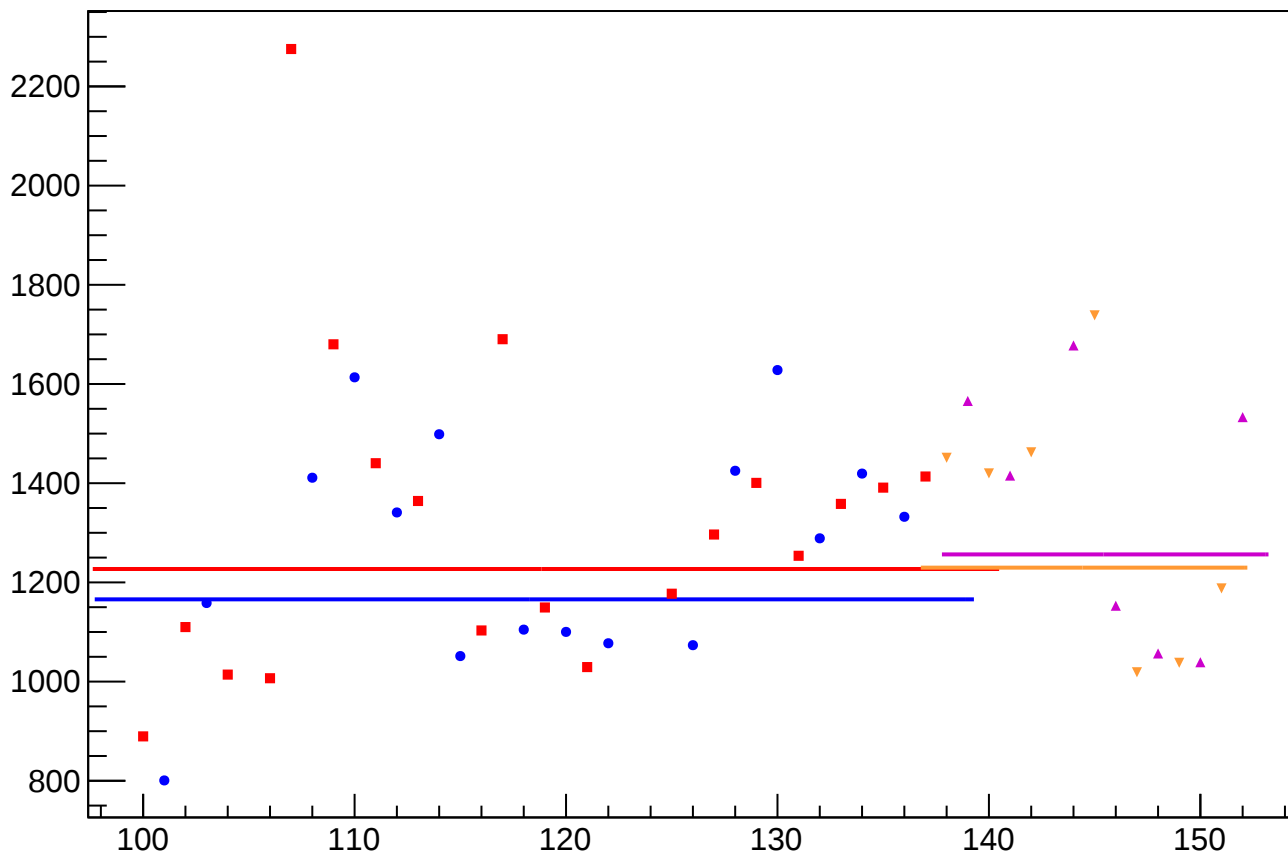
Left In: 379.002+/-534.842 χ^2/NDF : 3.6/6

-10.694+/-356.325 χ^2/NDF : 24.5/22

-57.011+/-251.091 χ^2/NDF : 47.7/48

-102.694+/-353.880 χ^2/NDF : 23.2/25

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

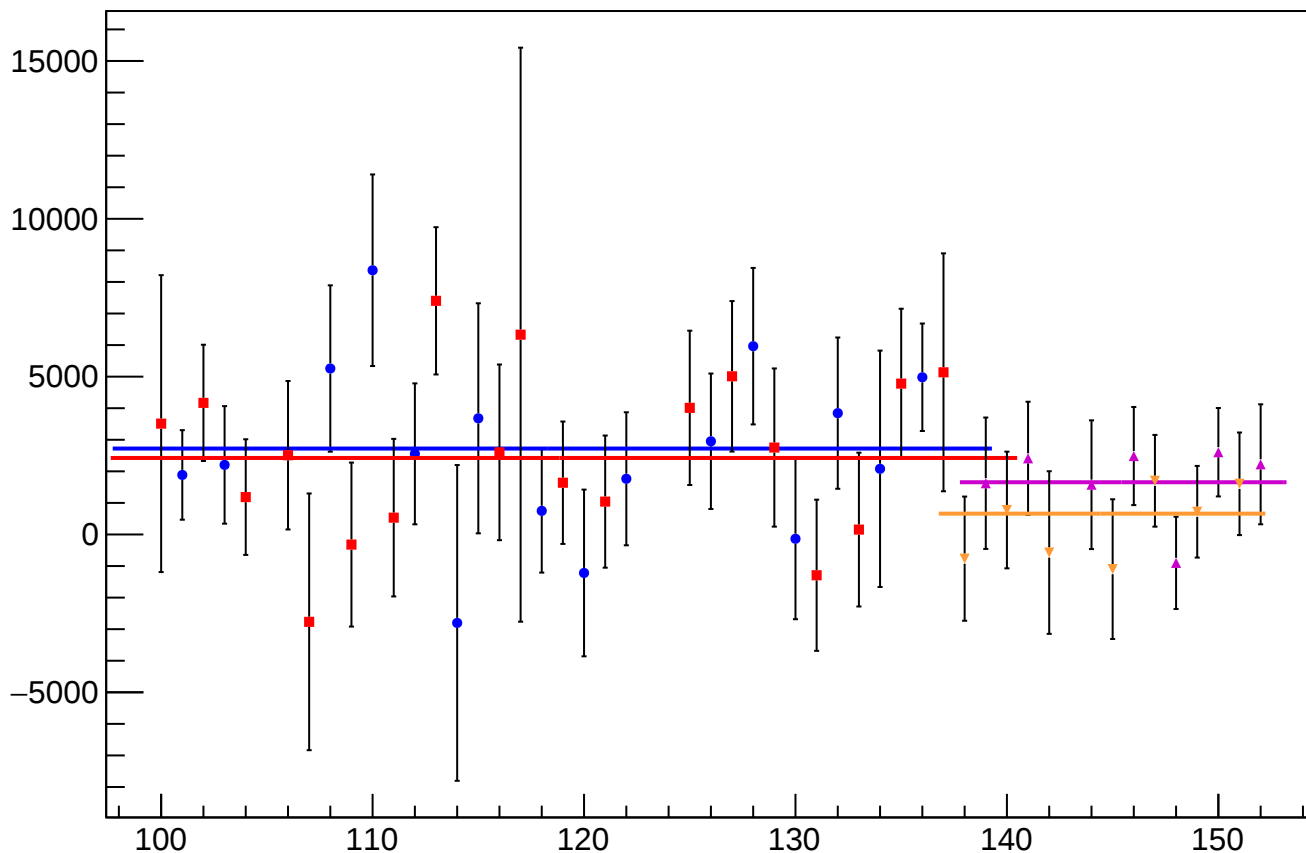
Left In: 1256.425 $\pm$ 0.378 χ^2 /NDF: 384422.8/6

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

1216.151 $\pm$ 0.178 χ^2 /NDF: 1732759.4/48

1239.893 $\pm$ 0.250 χ^2 /NDF: 834782.6/25

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

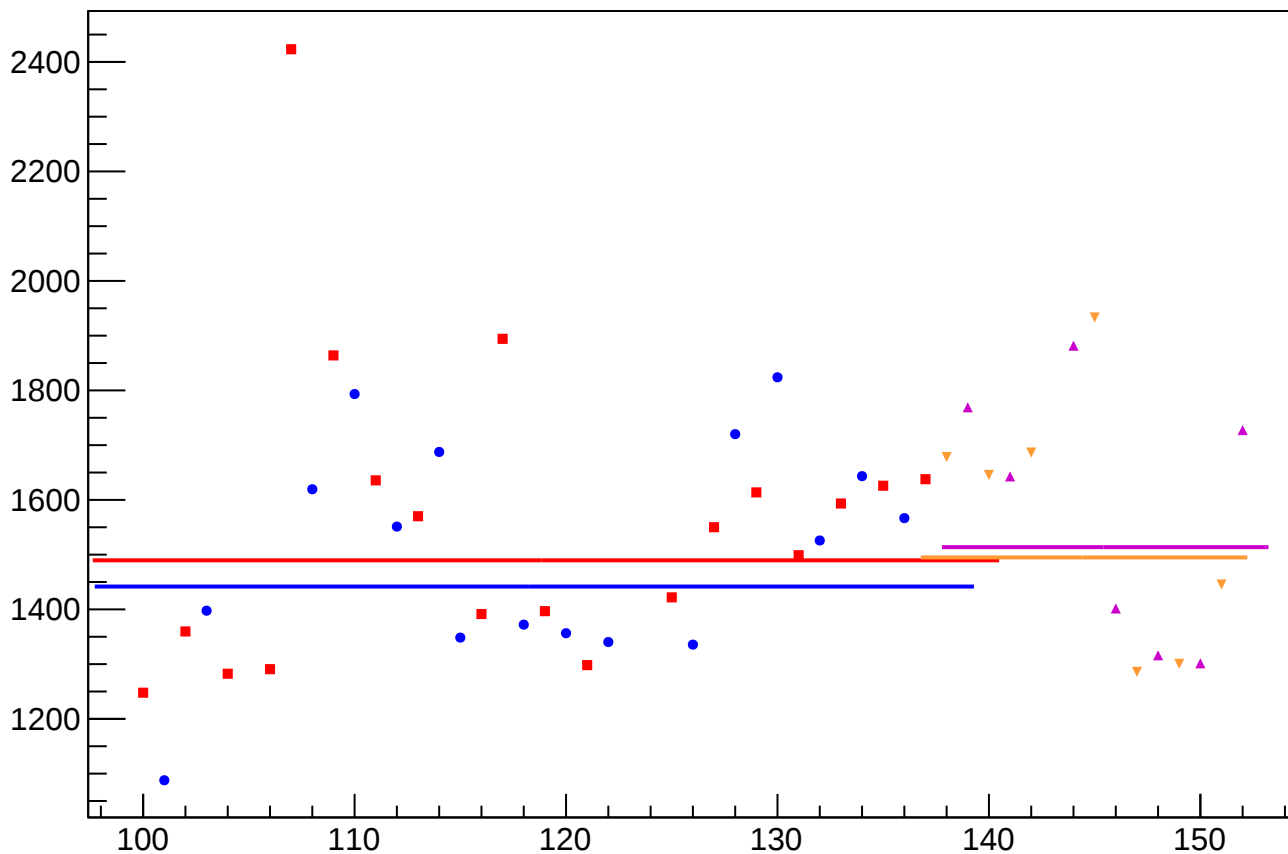
Left In: 1654.568 +/- 638.726 χ^2/NDF : 4.1/6

1860.297 +/- 432.687 χ^2/NDF : 22.3/22

1974.399 +/- 302.981 χ^2/NDF : 43.8/48

2084.169 +/- 424.392 χ^2/NDF : 21.4/25

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

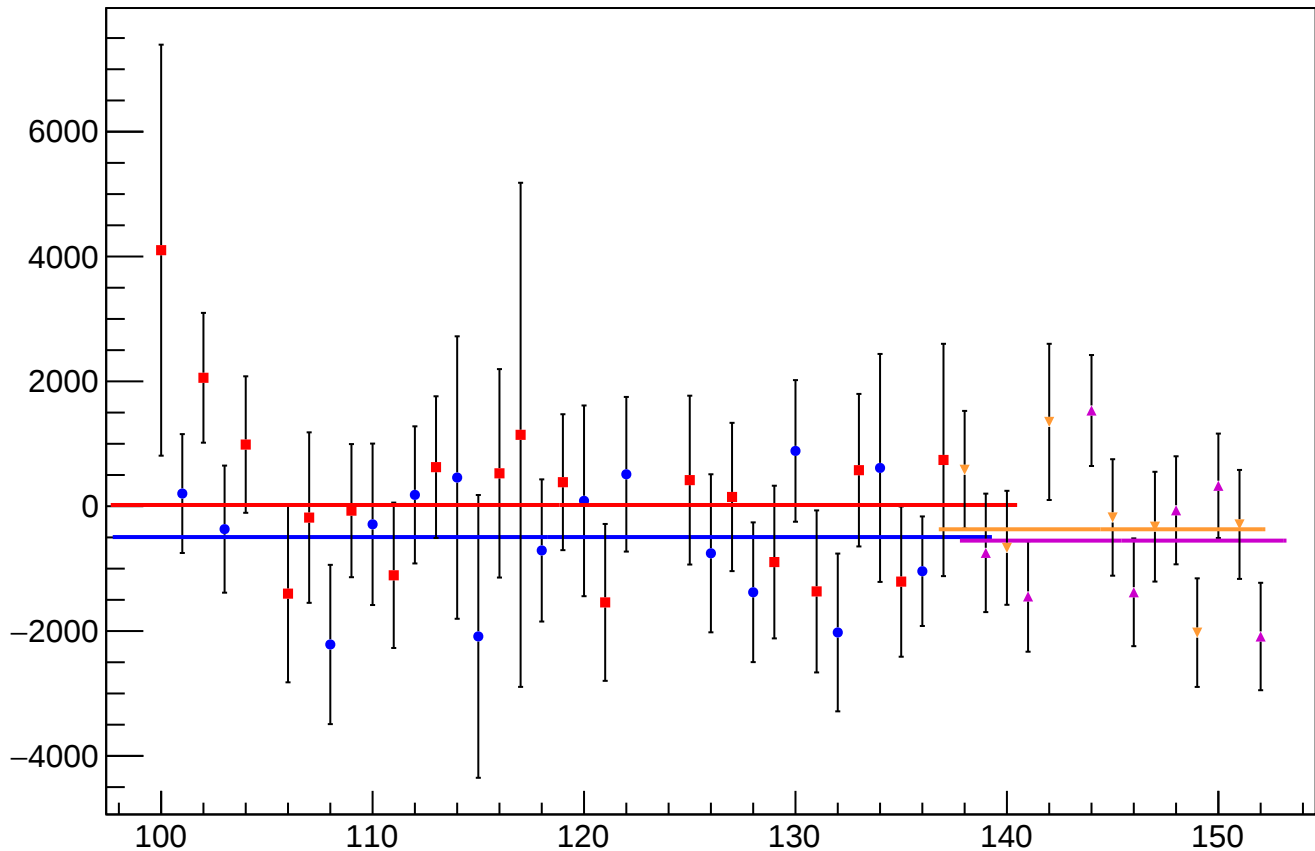
Left In: 1513.679 $\pm$ 0.452 χ^2 /NDF: 223809.6/6

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

1482.440 $\pm$ 0.214 χ^2 /NDF: 975165.1/48

1500.236 $\pm$ 0.300 χ^2 /NDF: 485511.8/25

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

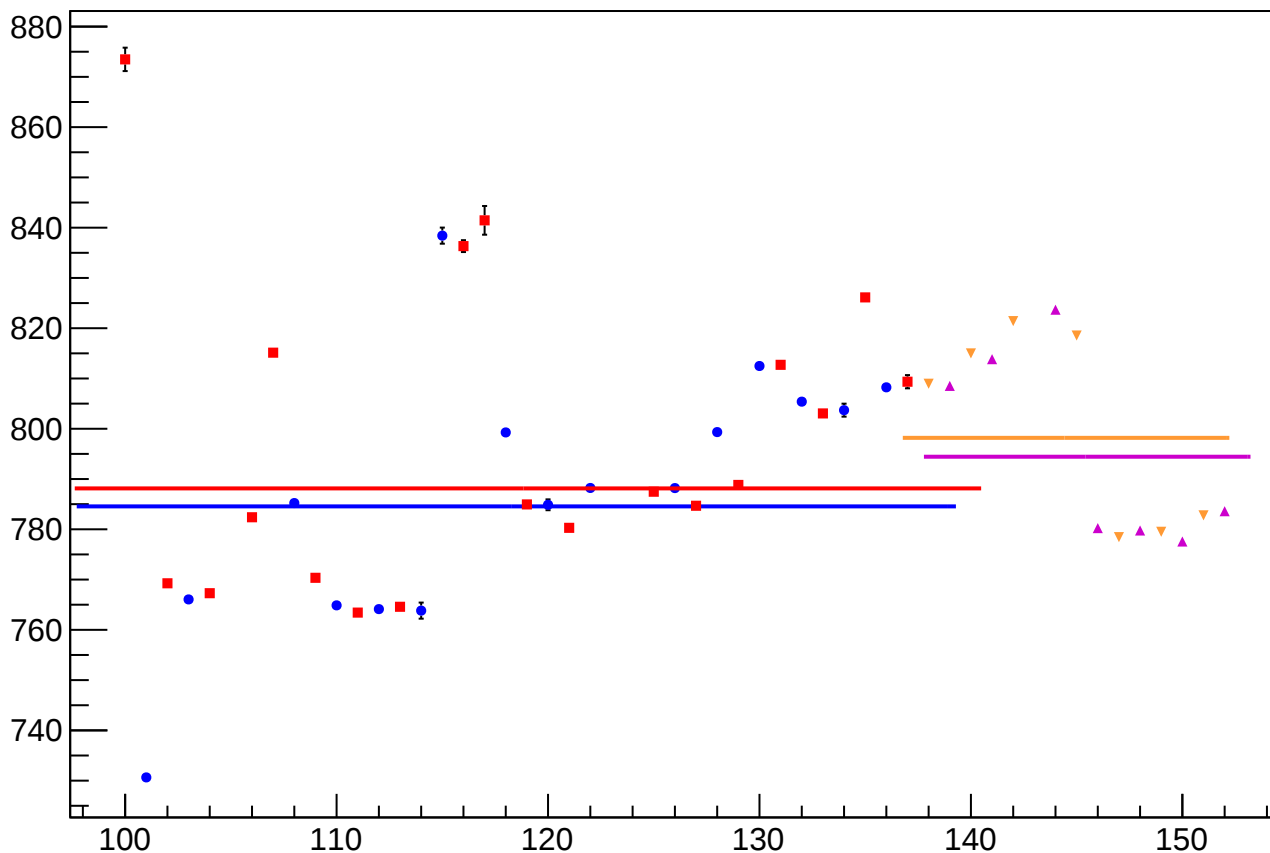
Left In: -551.364+/-331.324 χ^2/NDF : 12.1/6

-440.984+/-230.552 χ^2/NDF : 15.4/22

-333.542+/-159.587 χ^2/NDF : 43.0/48

-234.706+/-221.125 χ^2/NDF : 27.2/25

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 798.193 $\pm$ 0.249 χ^2/NDF : 5133.9/6

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

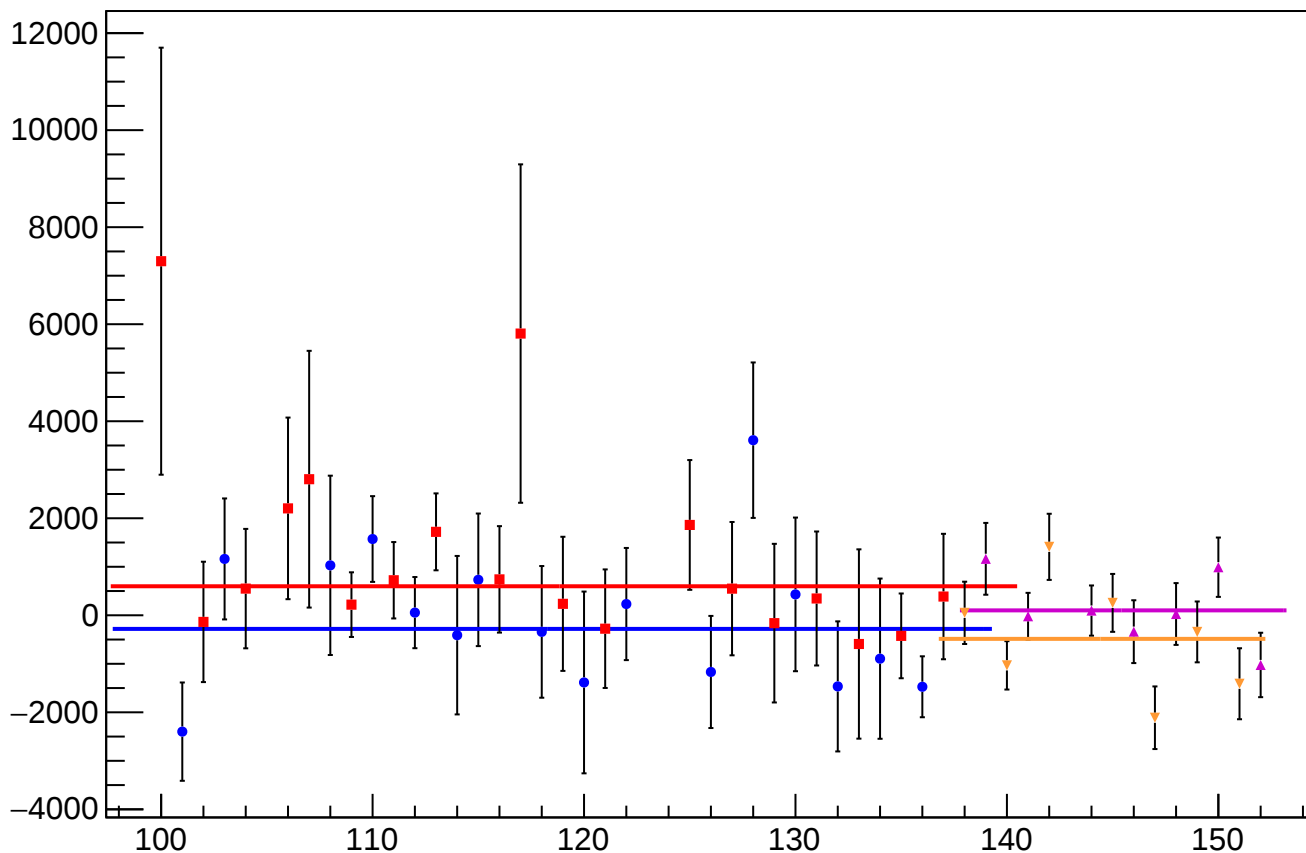
Left In: 794.437 $\pm$ 0.234 χ^2/NDF : 5813.8/6

790.384 $\pm$ 0.163 χ^2/NDF : 20523.3/22

790.674 $\pm$ 0.113 χ^2/NDF : 38004.4/48

790.942 $\pm$ 0.156 χ^2/NDF : 17475.0/25

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

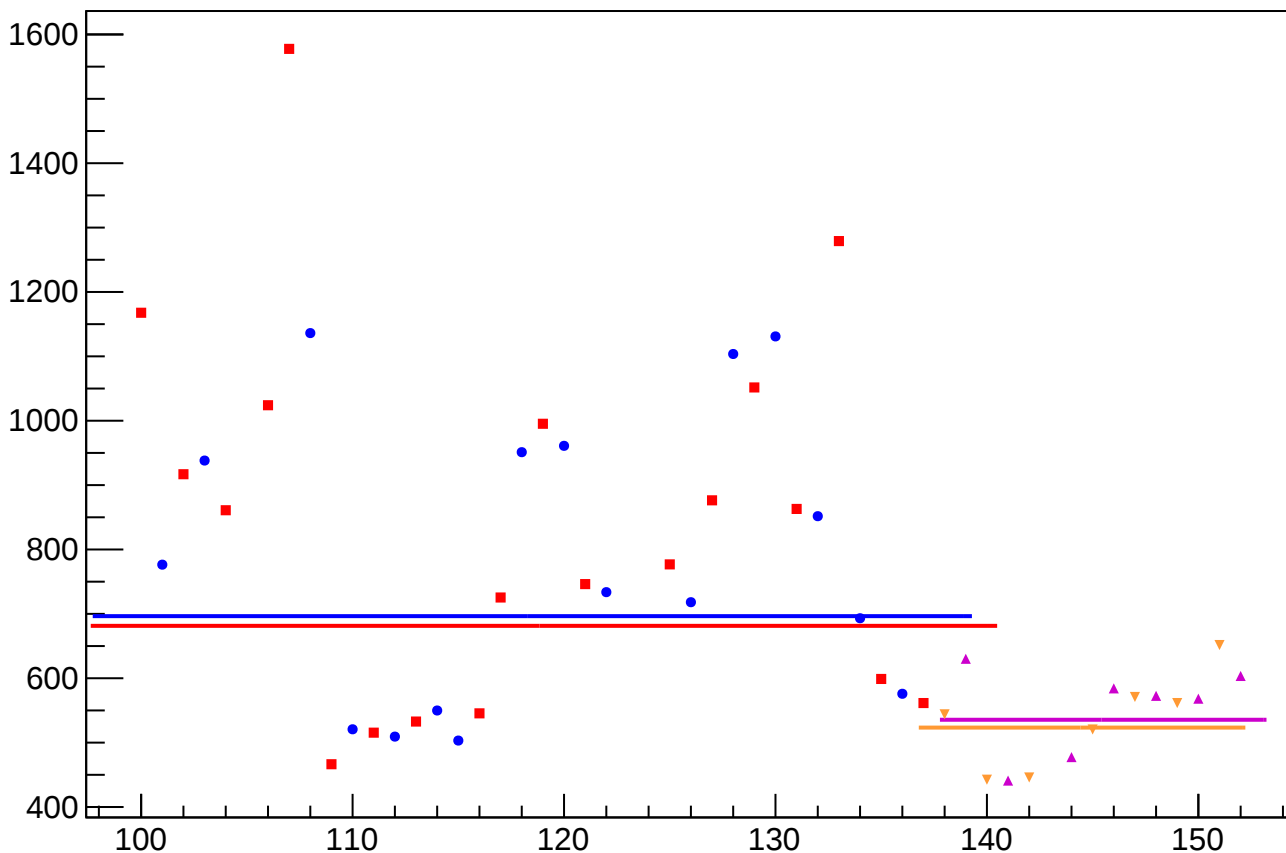
Left In: 101.182 $\pm$ 225.593 χ^2/NDF : 7.6/6

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

-36.021 $\pm$ 125.088 χ^2/NDF : 72.3/48

303.654 $\pm$ 173.655 χ^2/NDF : 21.8/25

asym_us_dd_correction_rms vs Slug, Sign Corrected



Right In: 696.462 $\pm$ 0.200 χ^2/NDF : 959490.0/15

Left Out: 523.353 $\pm$ 0.166 χ^2/NDF :160327.8/6

Right Out: 681.396 $\pm$ 0.192 χ^2/NDF : 1352876.1/18

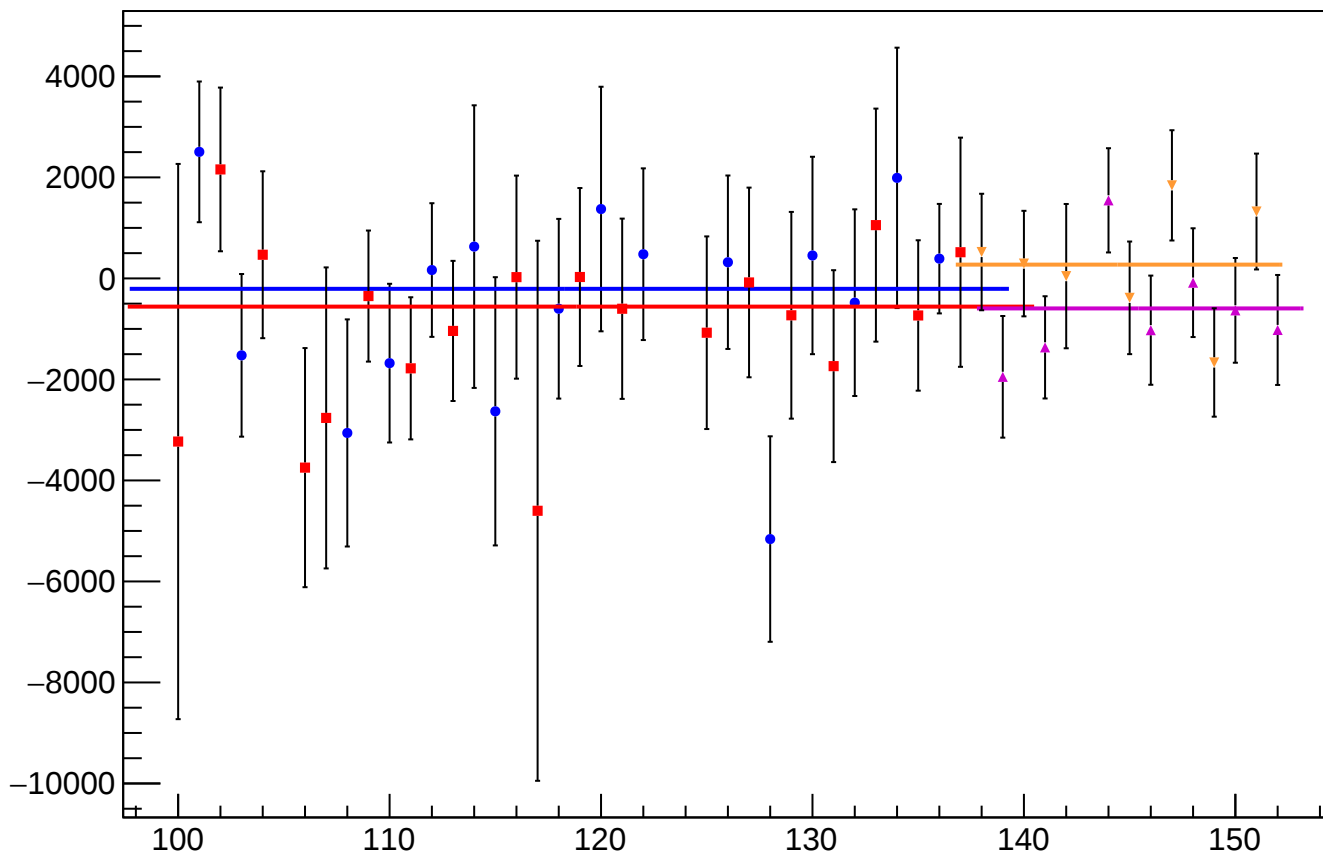
Left In: 535.515 $\pm$ 0.160 χ^2/NDF :179493.7/6

593.894 $\pm$ 0.128 χ^2/NDF : 1564776.7/22

594.444 $\pm$ 0.088 χ^2/NDF : 3437944.3/48

594.954 $\pm$ 0.123 χ^2/NDF : 1873131.8/25

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

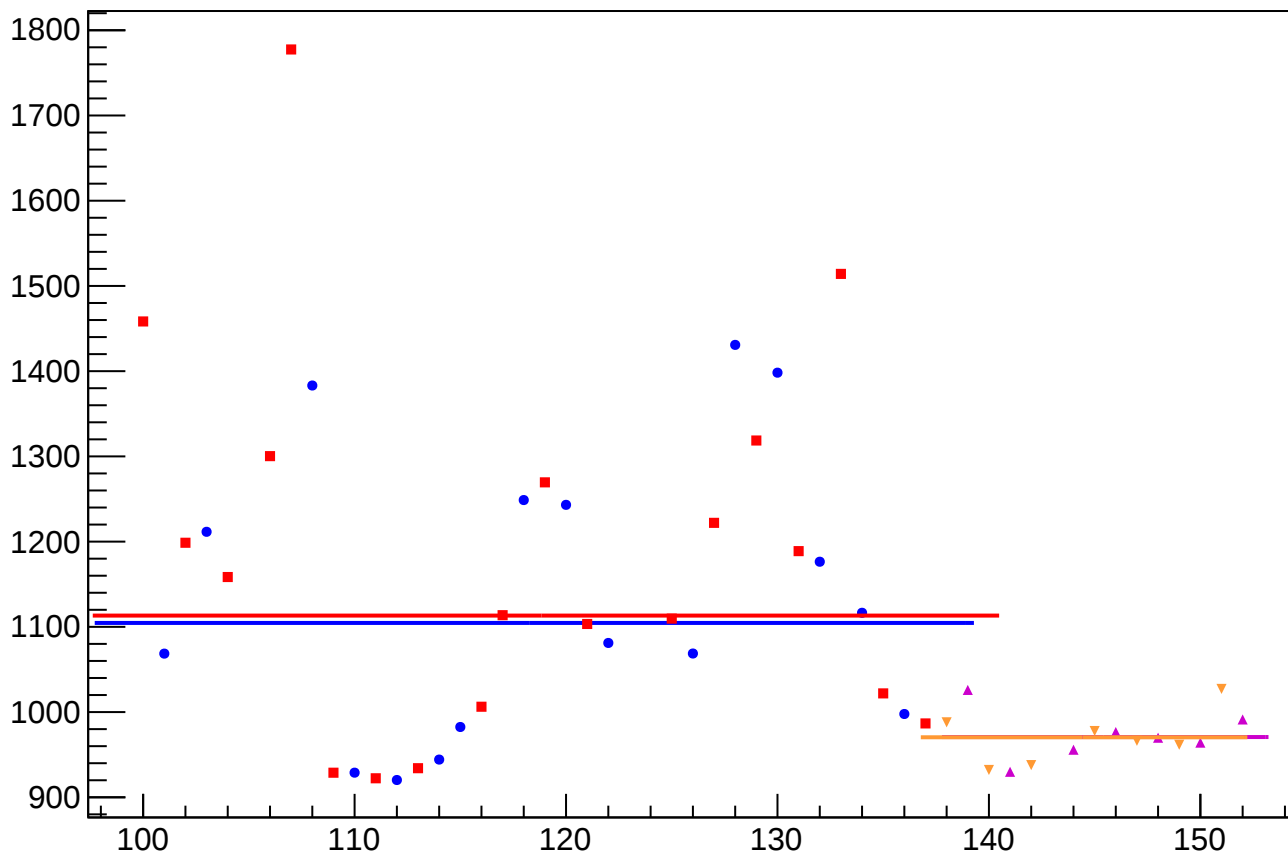
Left In: -594.508 ± 404.980 χ^2/NDF : 6.7/6

35.809 ± 305.065 χ^2/NDF : 23.0/22

-282.739 ± 211.483 χ^2/NDF : 40.5/48

-577.470 ± 293.439 χ^2/NDF : 15.4/25

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

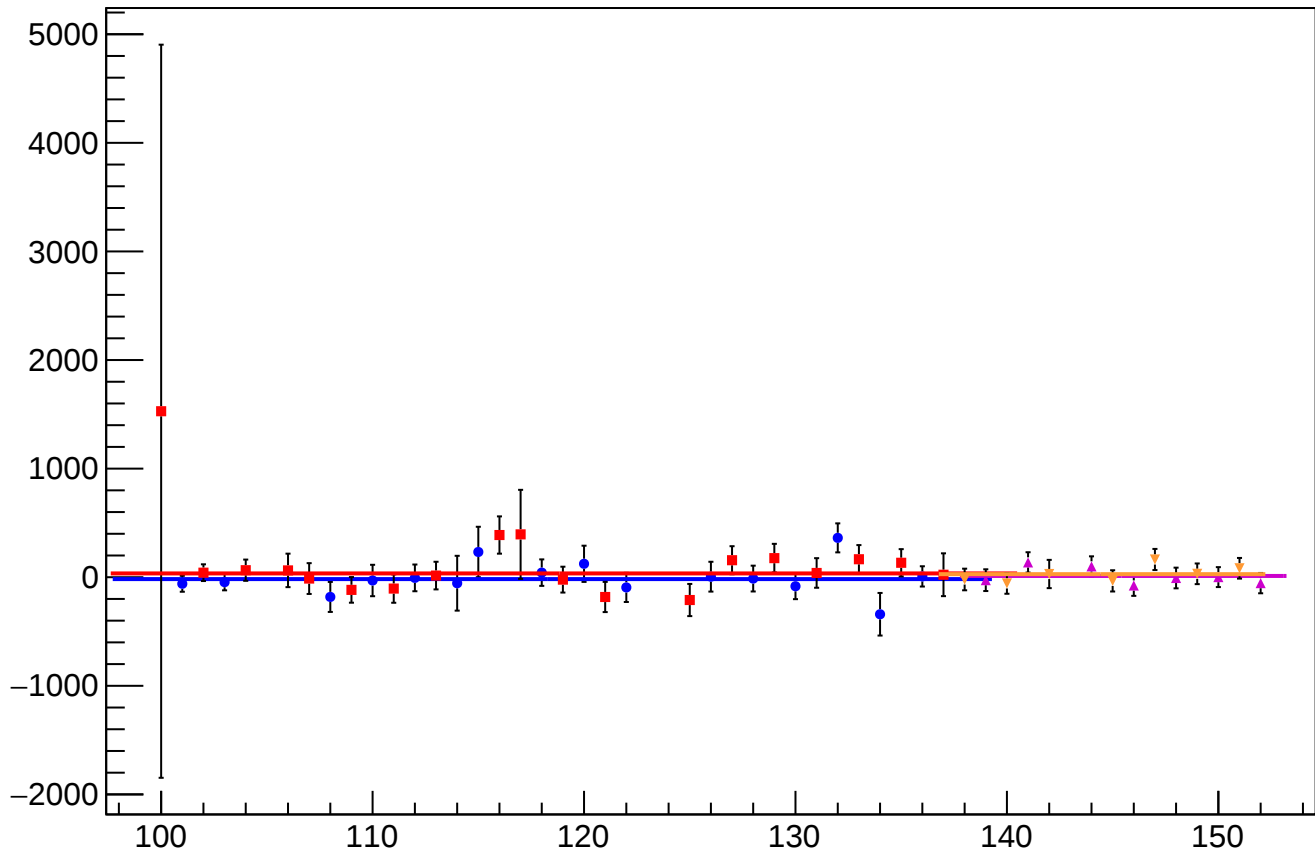
Left In: 970.714 $\pm$ 0.286 χ^2/NDF : 8735.0/6

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

1037.626 $\pm$ 0.150 χ^2/NDF : 850908.1/48

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

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

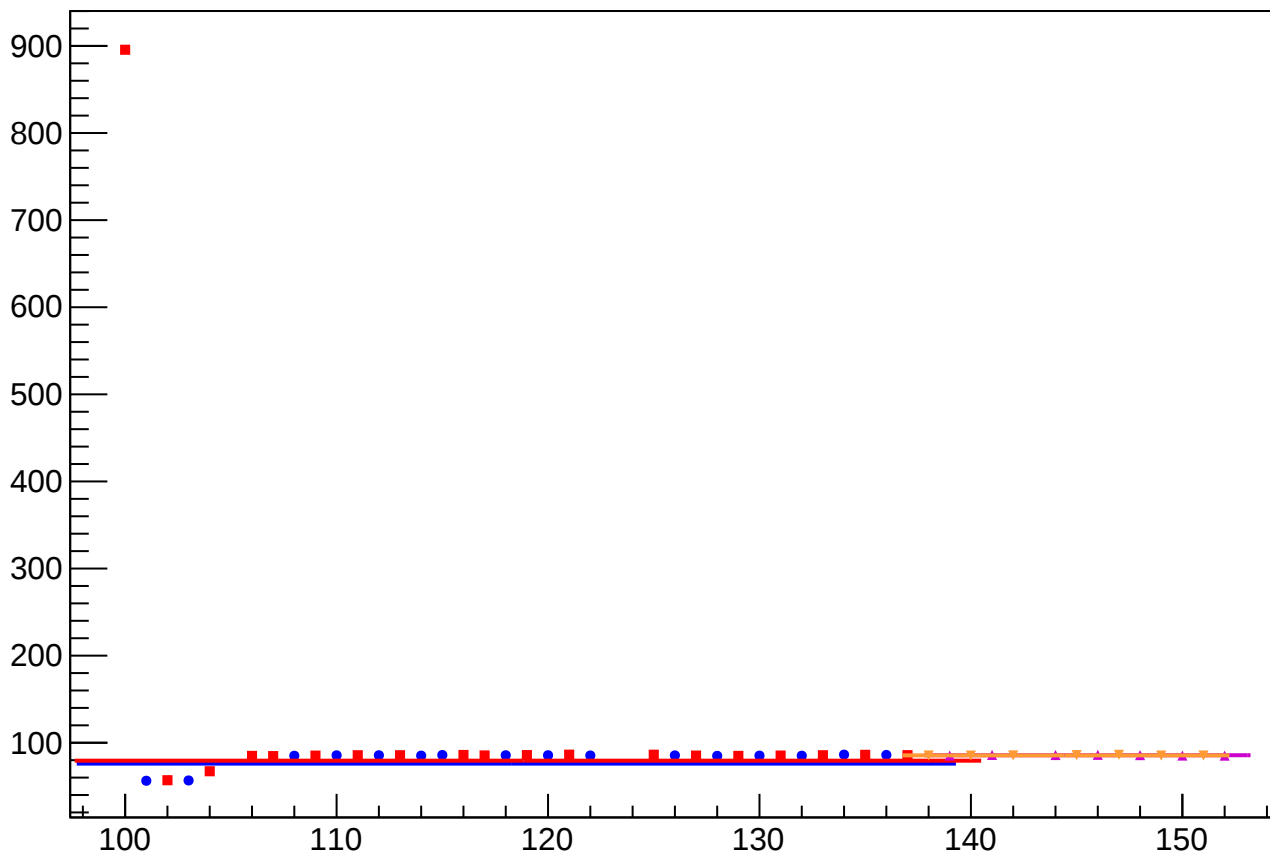
Left In: 11.703 ± 35.727 χ^2/NDF : 4.2/6

0.296 ± 23.487 χ^2/NDF : 20.2/22

12.914 ± 16.483 χ^2/NDF : 42.5/48

25.157 ± 23.136 χ^2/NDF : 21.8/25

reg_asym_ds_avg_rms vs Slug, Sign Corrected



Right In: 76.079 $\pm$ 0.021 χ^2 /NDF: 409170.8/15

Left Out: 85.512 $\pm$ 0.027 χ^2 /NDF:137.3/6

Right Out: 79.423 $\pm$ 0.021 χ^2 /NDF: 378959.4/18

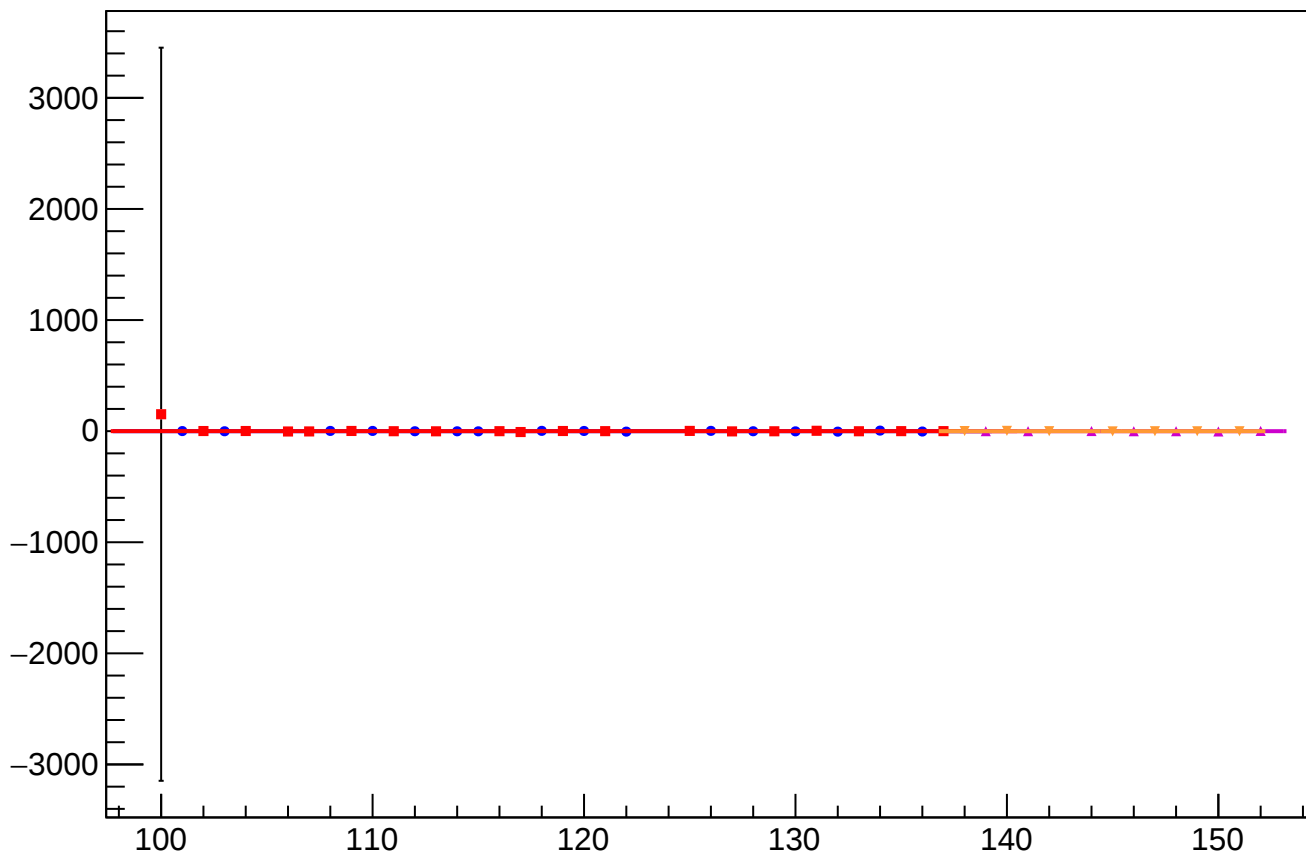
Left In: 85.683 $\pm$ 0.025 χ^2 /NDF:208.4/6

79.725 $\pm$ 0.017 χ^2 /NDF: 485796.8/22

80.904 $\pm$ 0.012 χ^2 /NDF: 910542.0/48

82.048 $\pm$ 0.016 χ^2 /NDF: 414817.3/25

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

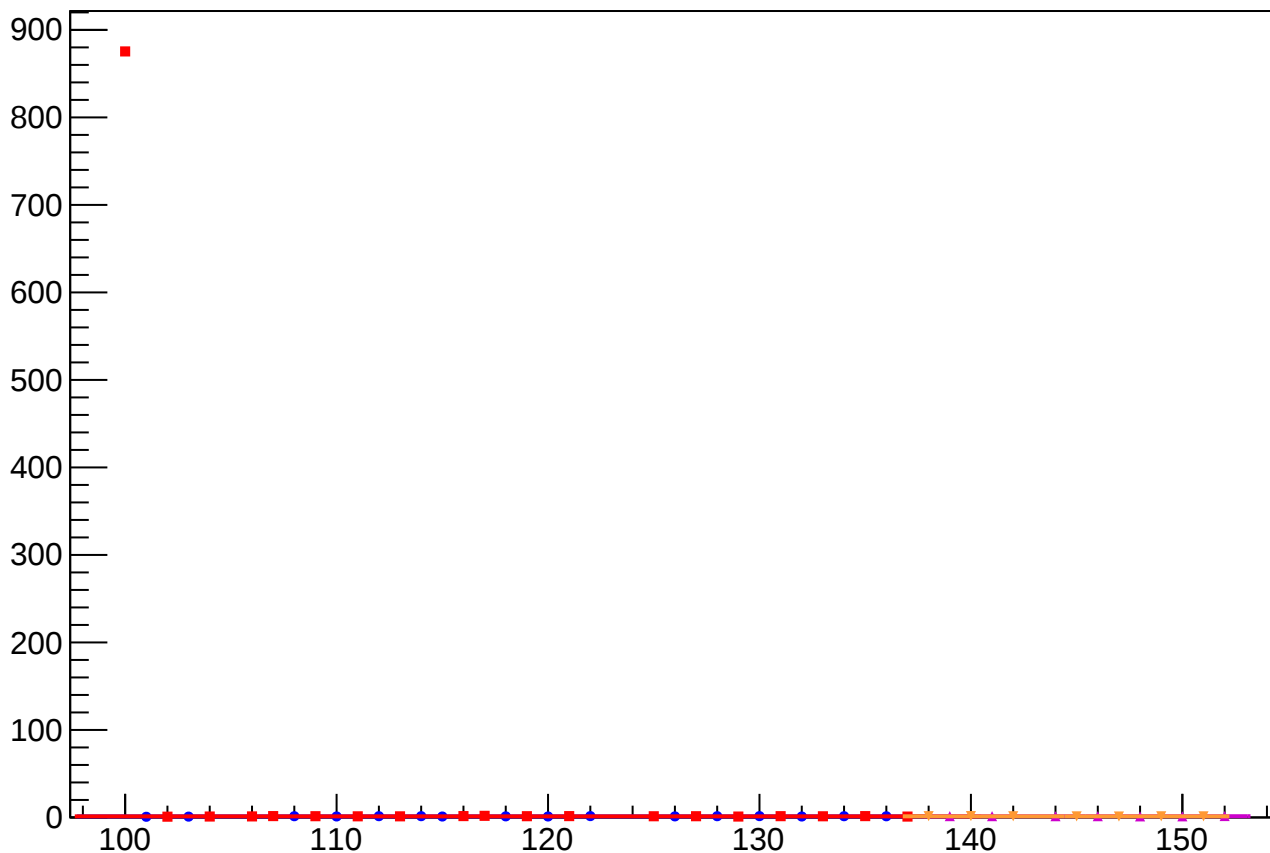
Left In: -0.303 ± 0.638 χ^2/NDF : 4.8/6

-0.349 ± 0.394 χ^2/NDF : 25.8/22

-0.222 ± 0.282 χ^2/NDF : 40.7/48

-0.090 ± 0.403 χ^2/NDF : 14.7/25

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

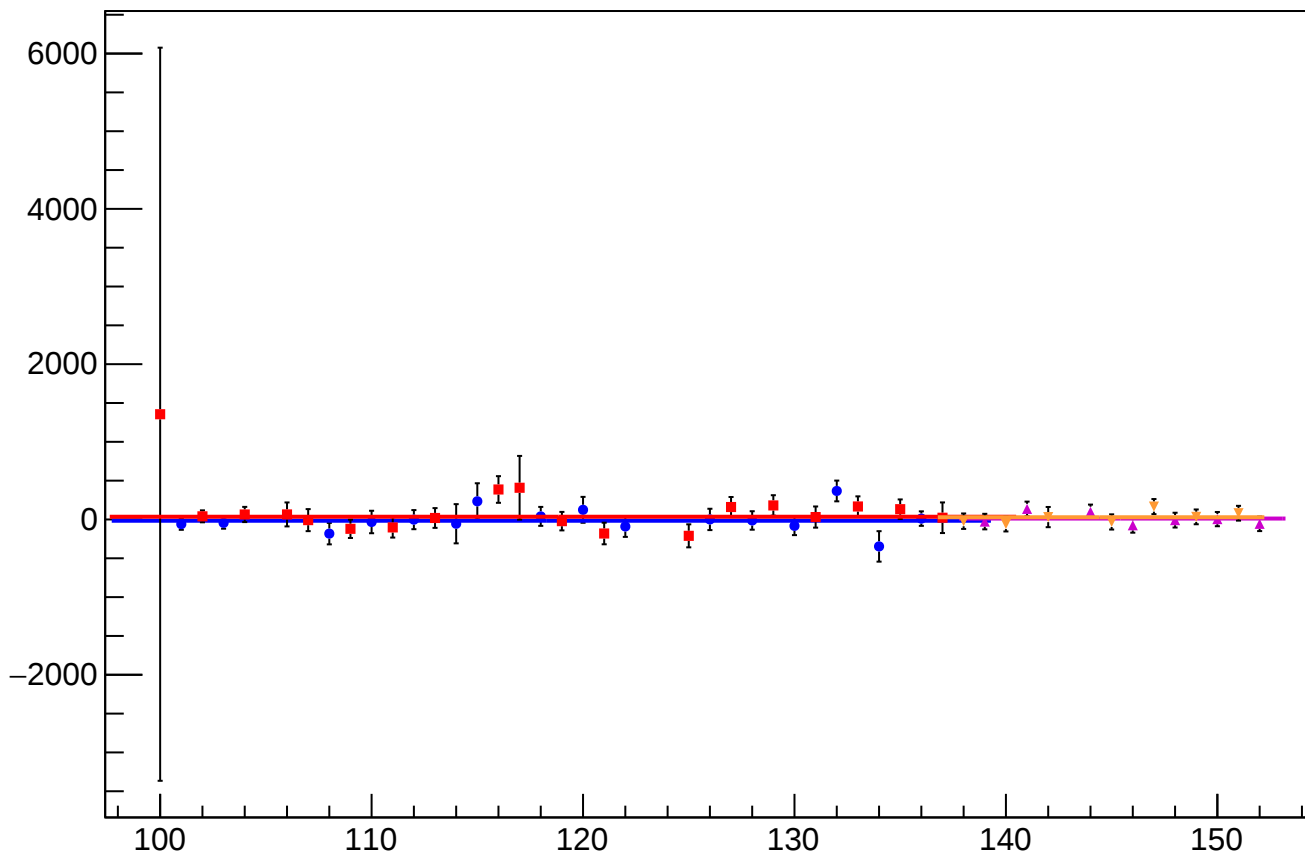
Left In: 1.417 $\pm$ 0.000 χ^2 /NDF:73270.5/6

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

1.262 $\pm$ 0.000 χ^2 /NDF: 1443302.1/48

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

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

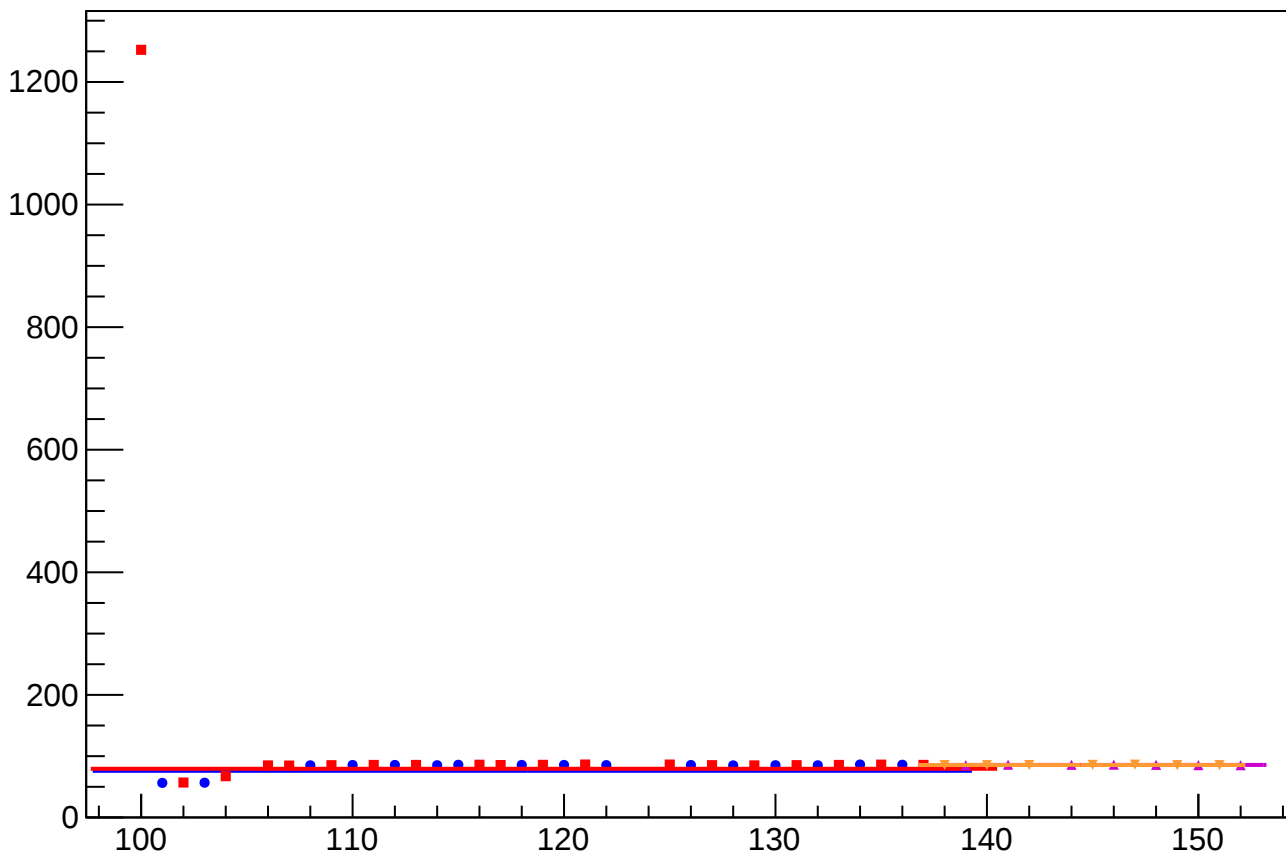
Left In: 11.893 ± 35.736 χ^2/NDF : 4.2/6

0.996 ± 23.494 χ^2/NDF : 20.5/22

13.387 ± 16.487 χ^2/NDF : 42.8/48

25.409 ± 23.143 χ^2/NDF : 21.8/25

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

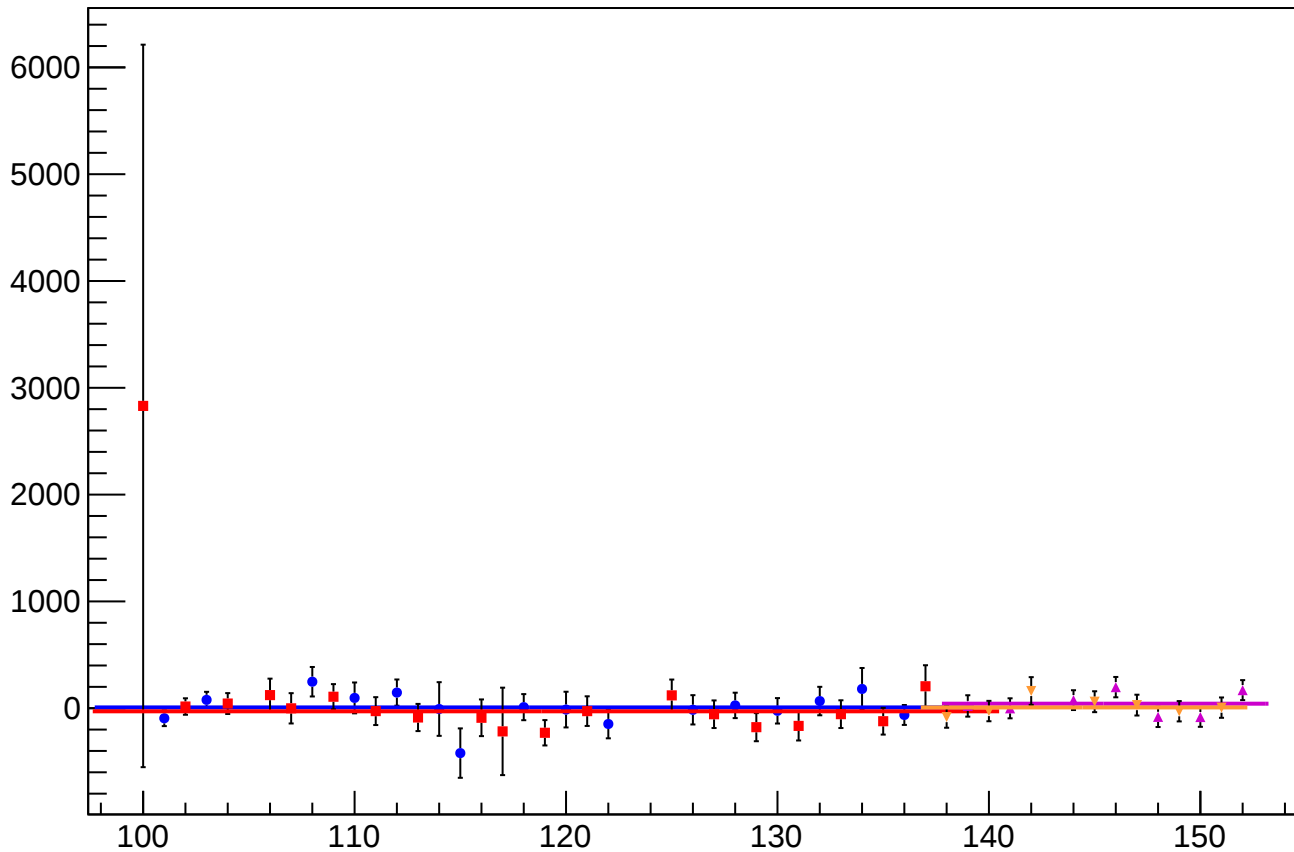
Left In: 85.706+/-0.025 χ^2/NDF : 208.0/6

79.746+/-0.017 χ^2/NDF : 485827.3/22

80.920+/-0.012 χ^2/NDF : 917217.5/48

82.060+/-0.016 χ^2/NDF : 421545.1/25

reg_asym_ds_dd_mean vs Slug, Sign Corrected



Right In: 7.460 ± 29.969 $\chi^2/\text{NDF}: 13.9/15$

Left Out: 7.369 ± 37.788 $\chi^2/\text{NDF}: 2.8/6$

Right Out: -28.958 ± 30.344 $\chi^2/\text{NDF}: 12.7/18$

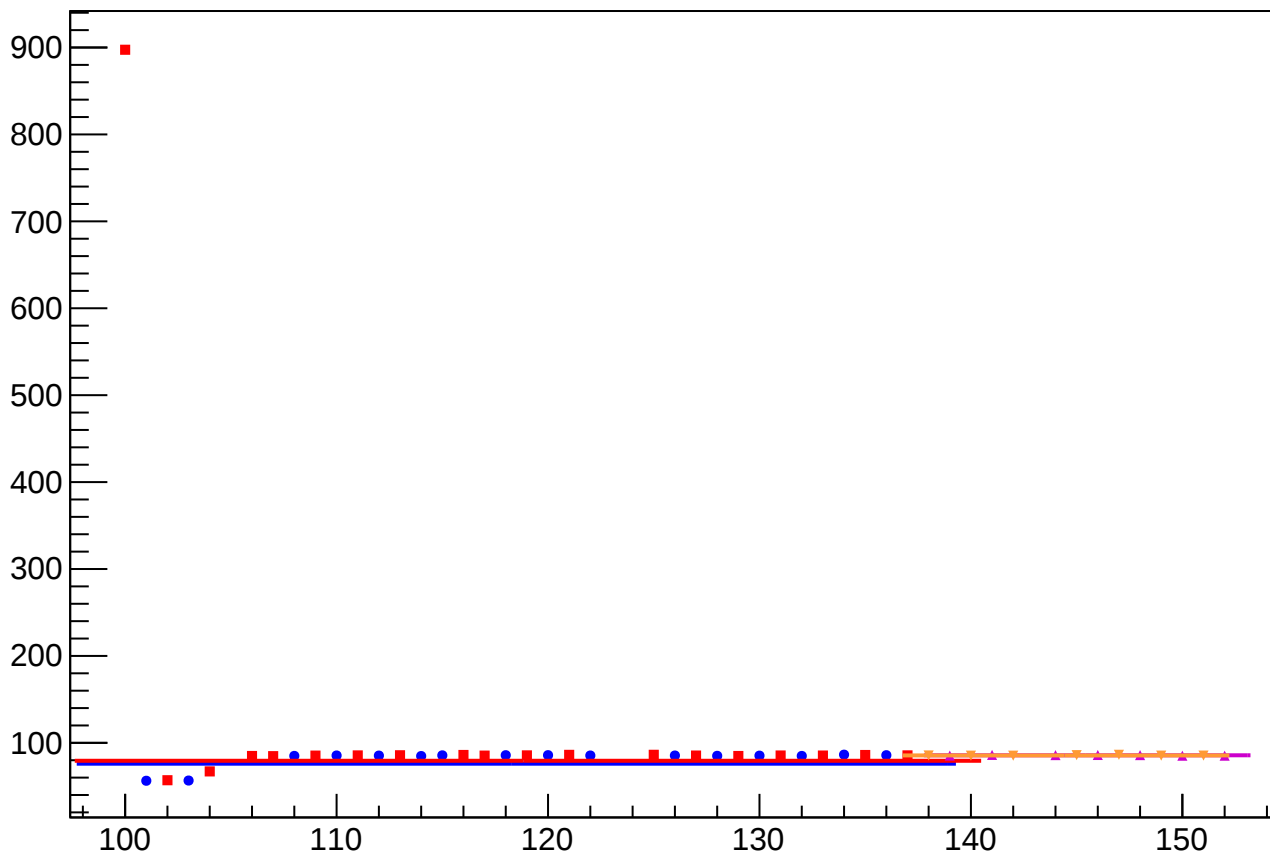
Left In: 42.392 ± 35.729 $\chi^2/\text{NDF}: 8.4/6$

7.425 ± 23.481 $\chi^2/\text{NDF}: 16.8/22$

4.133 ± 16.477 $\chi^2/\text{NDF}: 40.3/48$

0.940 ± 23.129 $\chi^2/\text{NDF}: 23.4/25$

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

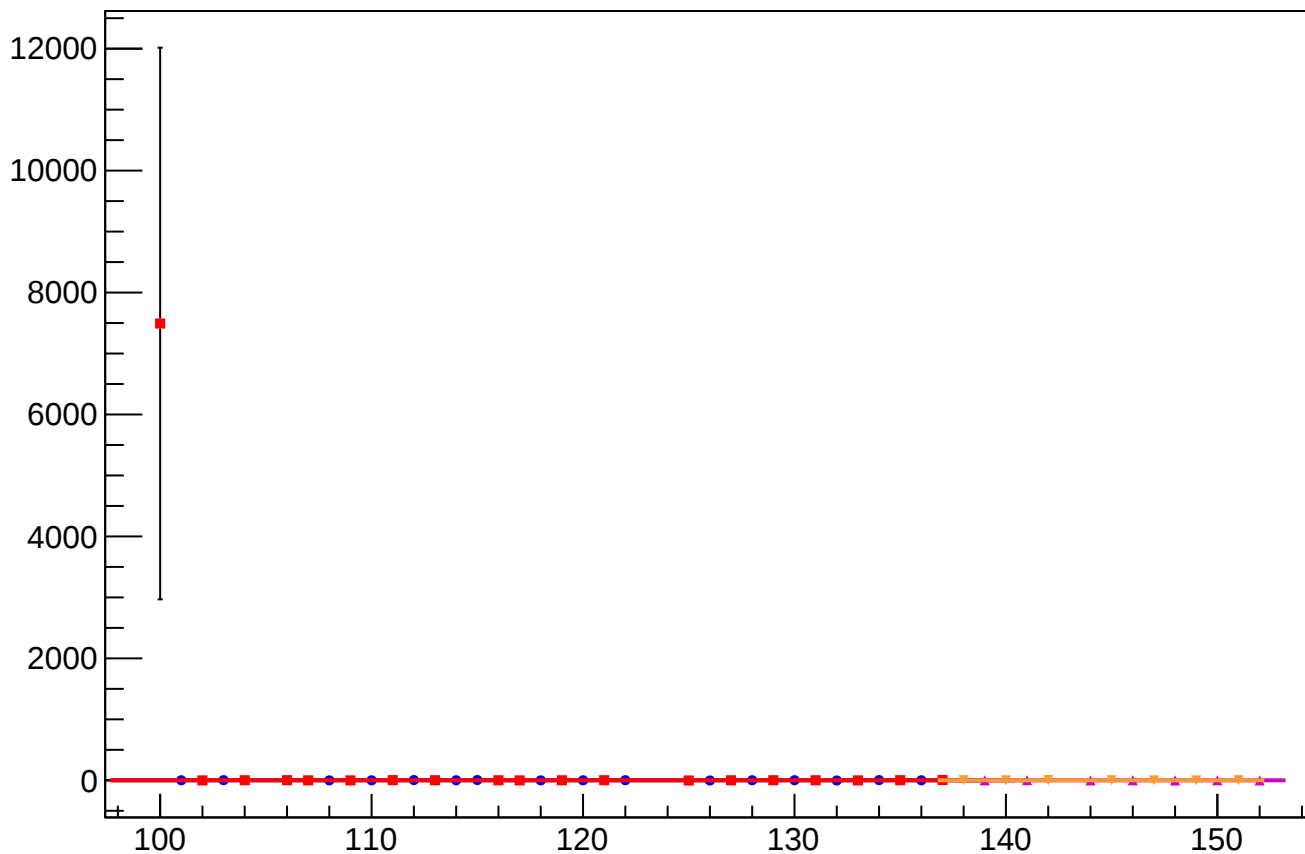
Left In: 85.689 $\pm$ 0.025 χ^2 /NDF:217.0/6

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

80.878 $\pm$ 0.012 χ^2 /NDF: 911950.7/48

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

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

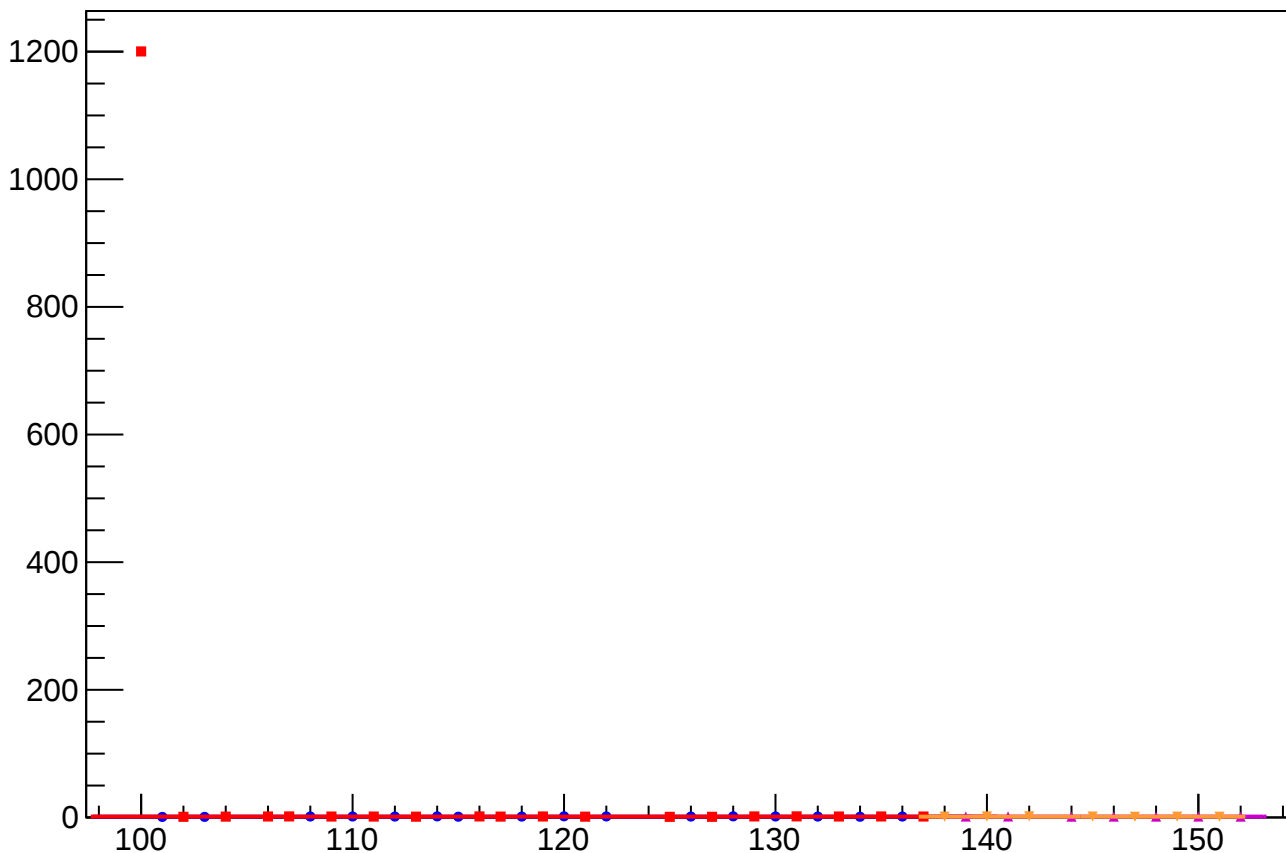
Left In: -0.030 ± 0.617 χ^2/NDF : 4.6/6

0.470 ± 0.406 χ^2/NDF : 20.1/22

0.315 ± 0.288 χ^2/NDF : 37.8/48

0.157 ± 0.409 χ^2/NDF : 17.4/25

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

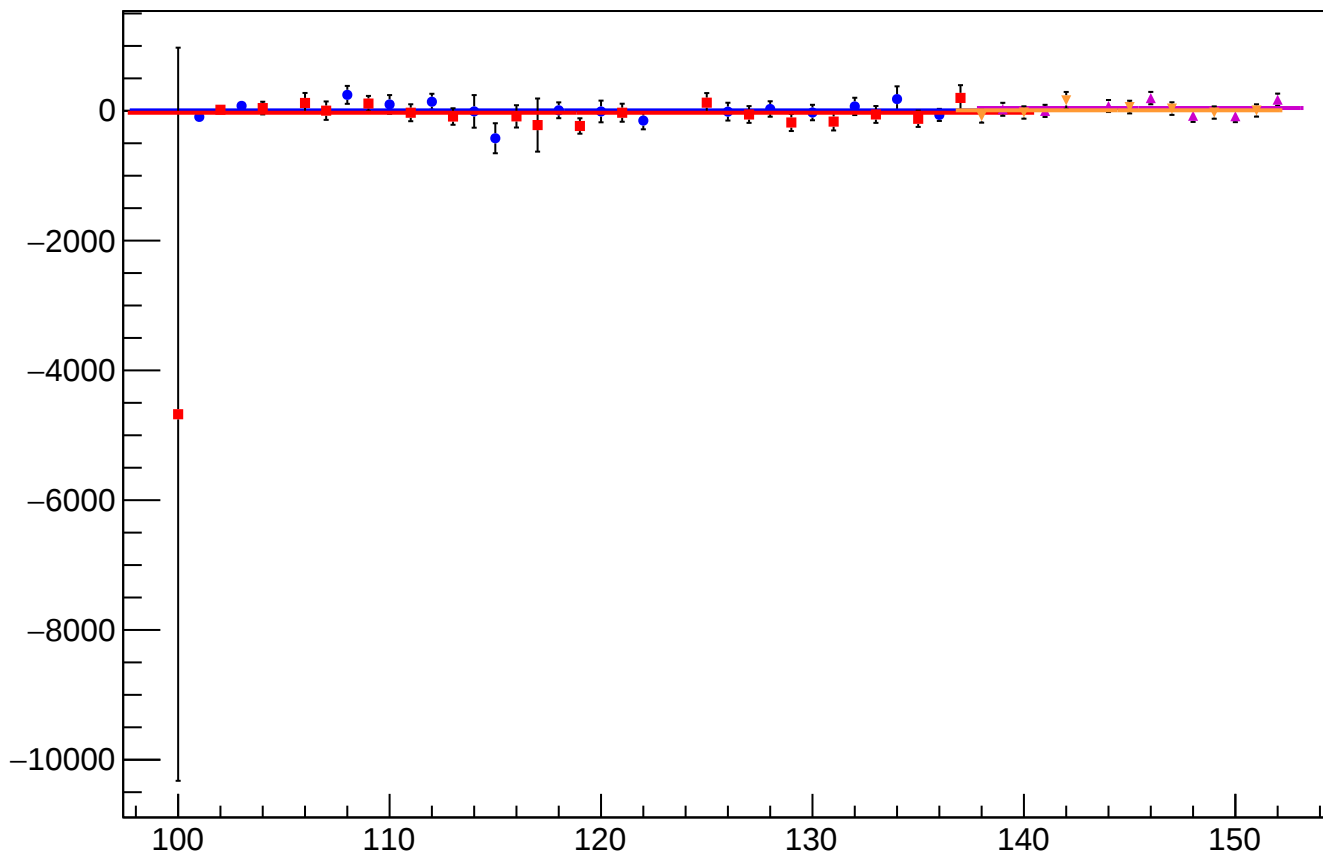
Left In: 1.362+/-0.000 χ^2 /NDF:41652.6/6

1.251+/-0.000 χ^2 /NDF: 834975.8/22

1.294+/-0.000 χ^2 /NDF: 1448140.3/48

1.337+/-0.000 χ^2 /NDF: 568945.7/25

asym_ds_dd_mean vs Slug, Sign Corrected



Right In: 6.781 $\pm$ 29.977 χ^2/NDF : 13.8/15

Left Out: 8.143 $\pm$ 37.798 χ^2/NDF : 2.8/6

Right Out: -29.600 $\pm$ 30.353 χ^2/NDF : 12.9/18

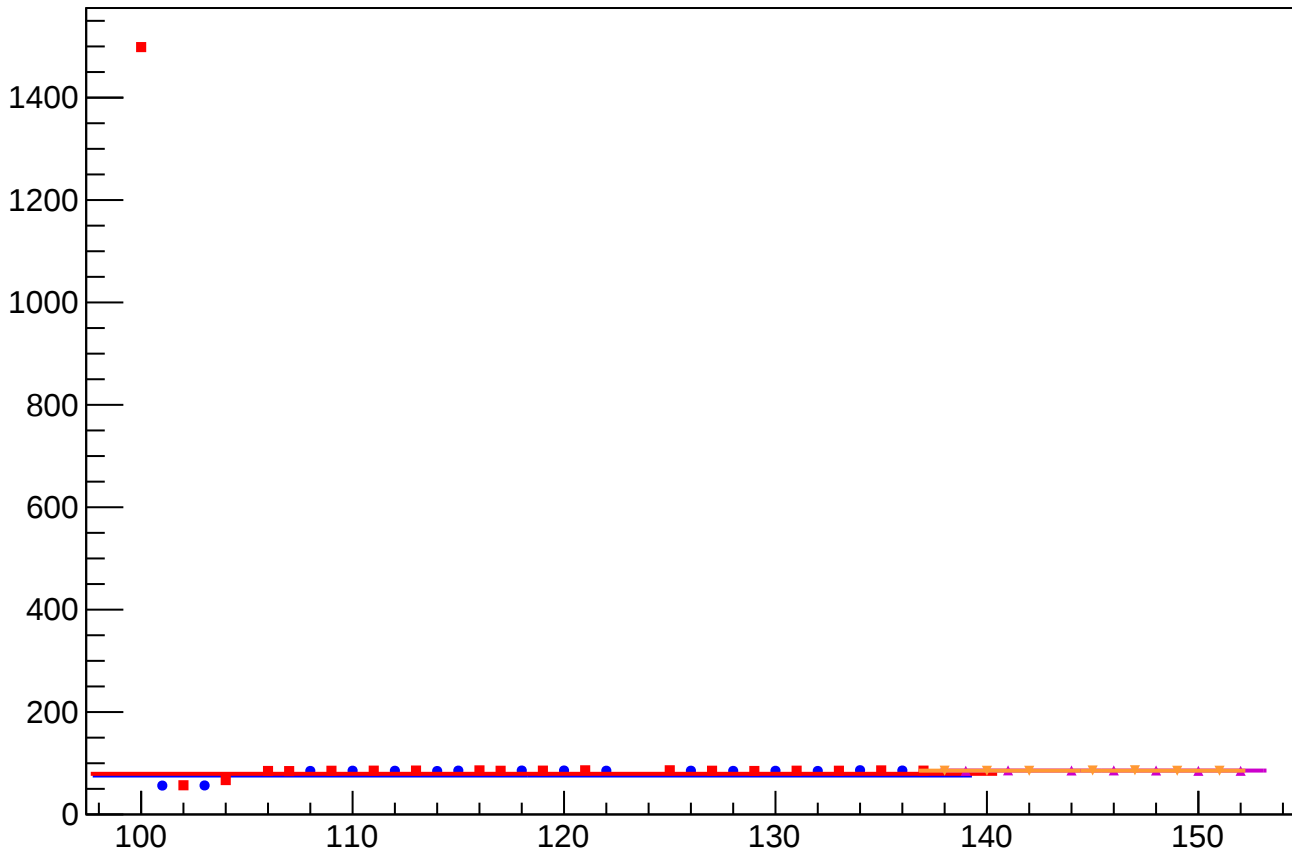
Left In: 43.208 $\pm$ 35.739 χ^2/NDF : 8.3/6

7.307 $\pm$ 23.487 χ^2/NDF : 16.6/22

4.060 $\pm$ 16.482 χ^2/NDF : 40.3/48

0.910 $\pm$ 23.135 χ^2/NDF : 23.6/25

asym_ds_dd_rms vs Slug, Sign Corrected



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

Left Out: 85.557 $\pm$ 0.027 χ^2 /NDF:178.7/6

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

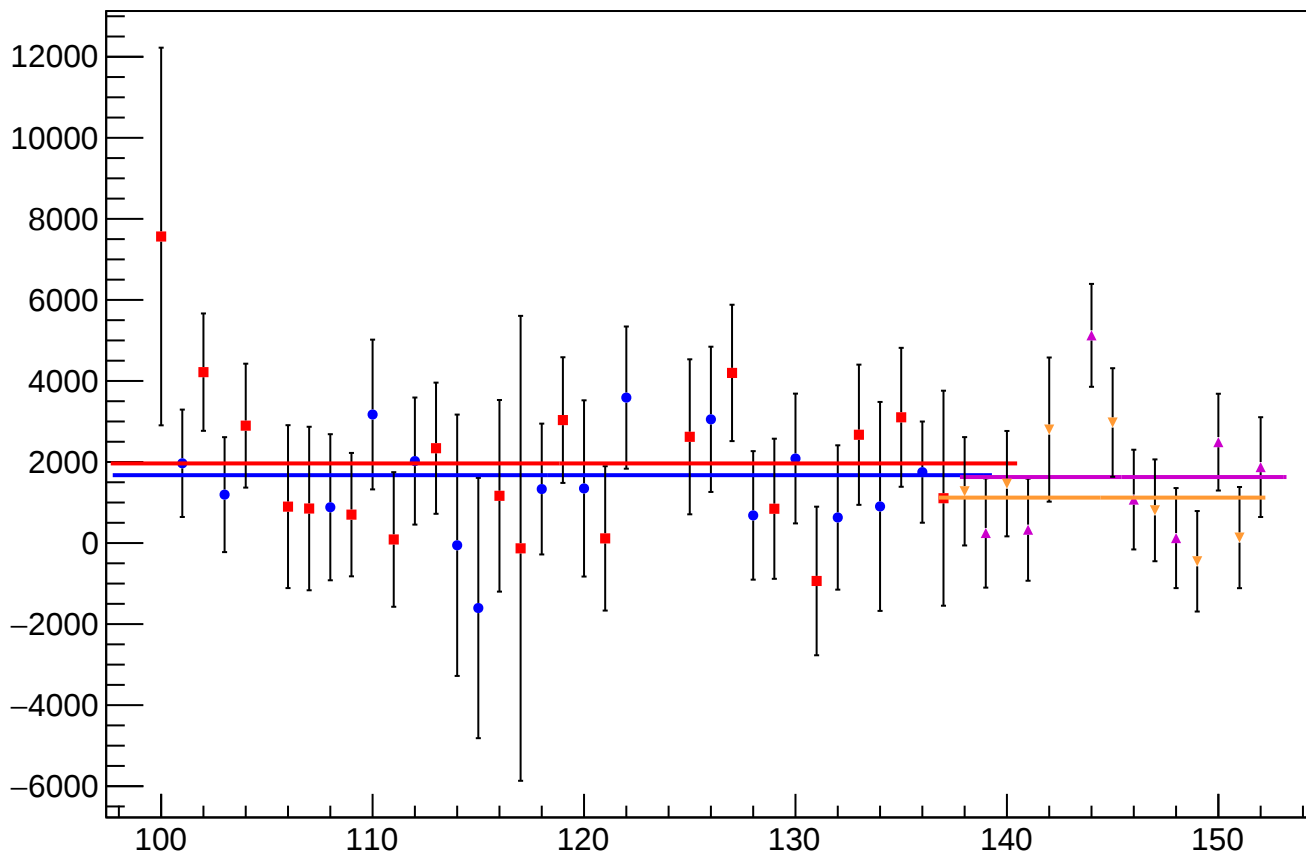
Left In: 85.711 $\pm$ 0.025 χ^2 /NDF:217.4/6

79.723 $\pm$ 0.017 χ^2 /NDF: 486782.7/22

80.893 $\pm$ 0.012 χ^2 /NDF: 921402.5/48

82.028 $\pm$ 0.016 χ^2 /NDF: 424838.4/25

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

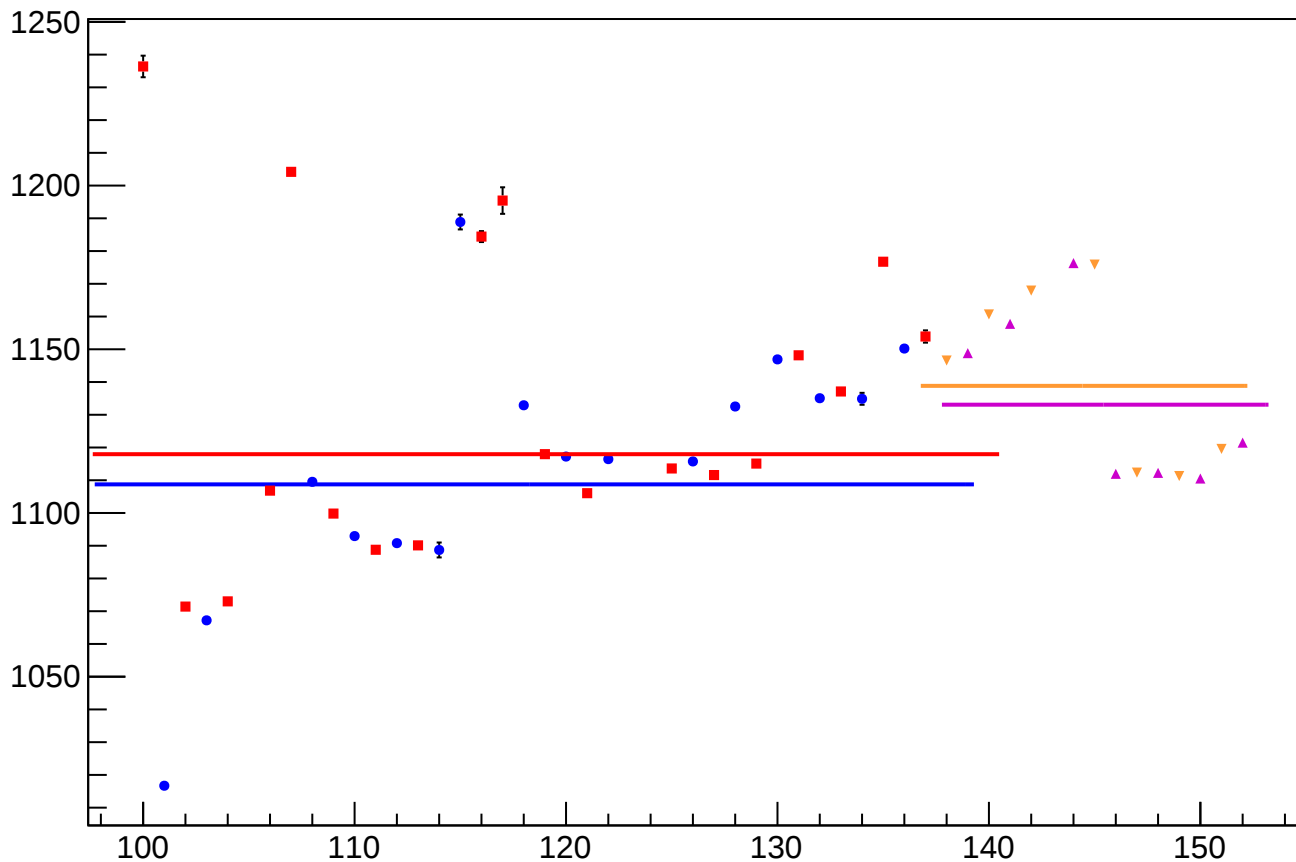
Left In: 1629.092 $\pm$ 472.553 χ^2 /NDF: 12.0/6

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

1636.036 $\pm$ 226.716 χ^2 /NDF: 38.1/48

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

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

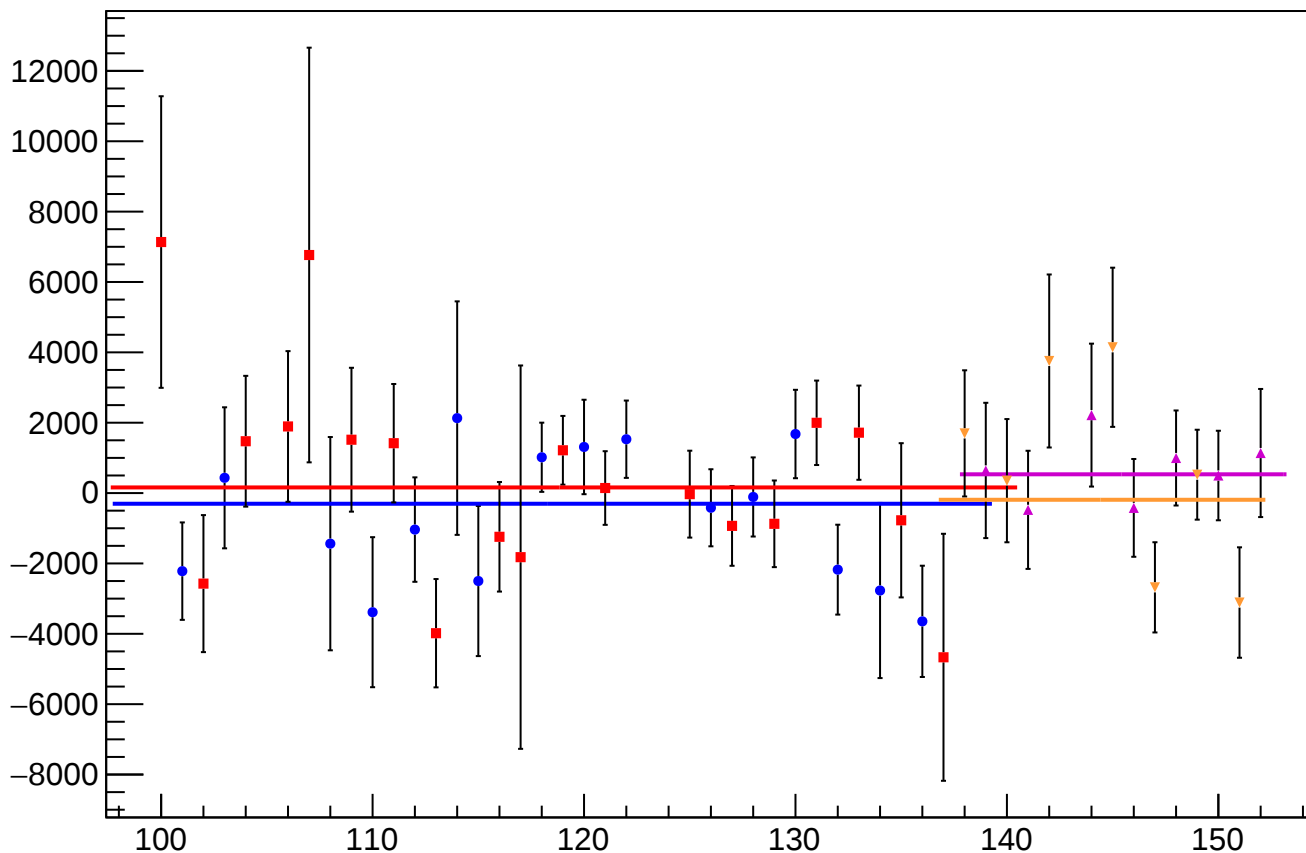
Left In: 1133.077 $\pm$ 0.334 χ^2 /NDF: 5410.4/6

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

1123.119 $\pm$ 0.160 χ^2 /NDF: 49785.0/48

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

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

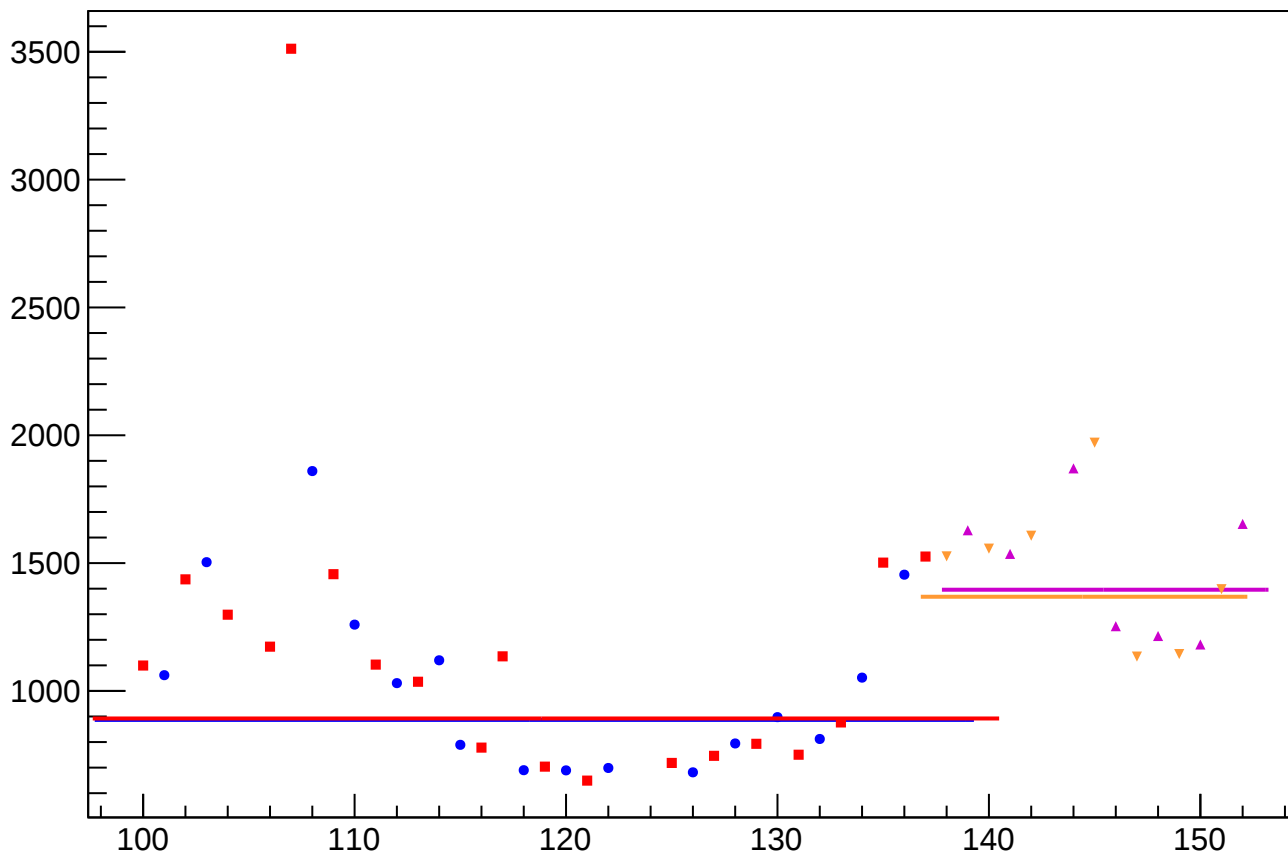
Left In: 533.720+/-592.076 χ^2/NDF : 1.8/6

-274.671+/-311.022 χ^2/NDF : 37.3/22

-2.263+/-217.681 χ^2/NDF : 65.8/48

259.297+/-304.767 χ^2/NDF : 27.0/25

asym_usl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1368.413 $\pm$ 0.436 χ^2 /NDF: 328293.3/6

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

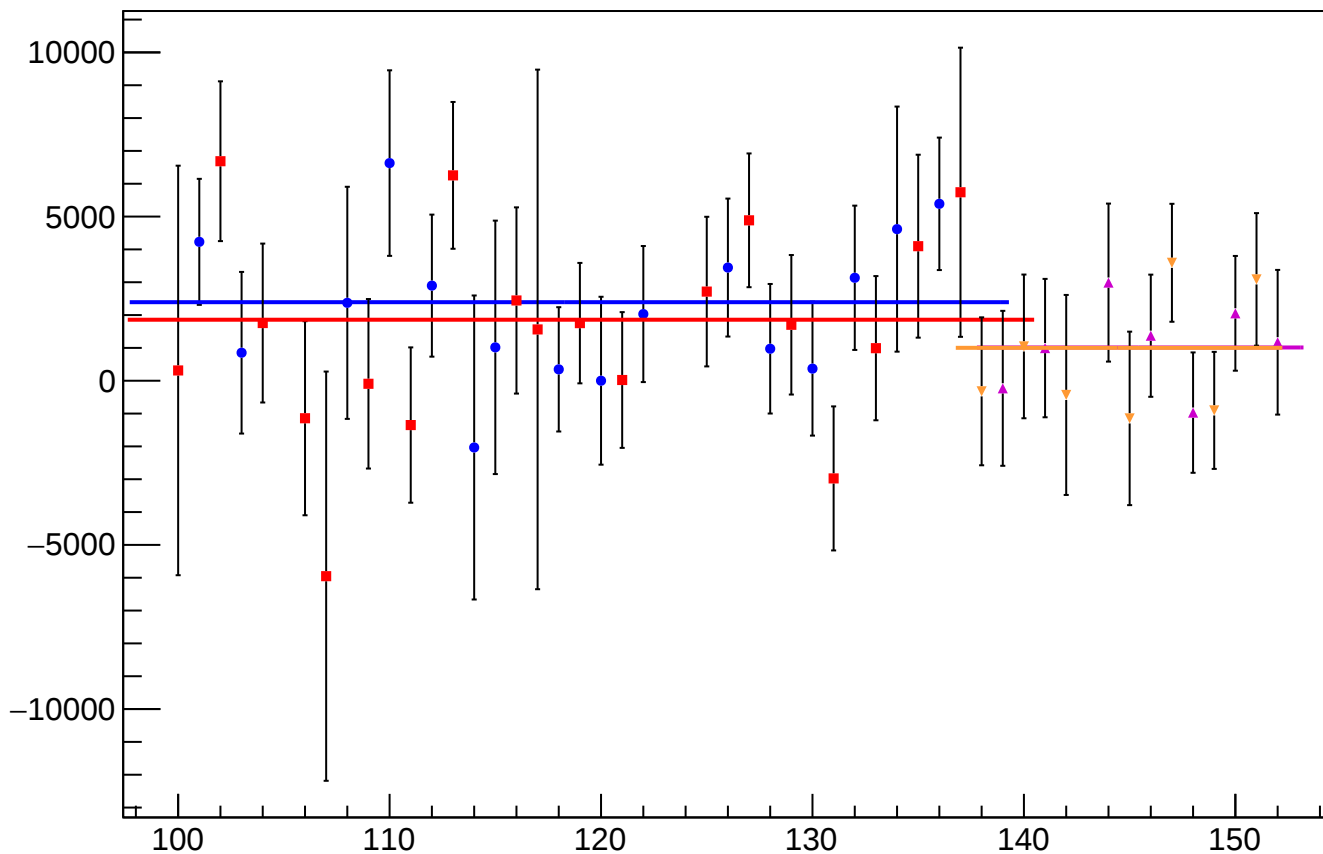
Left In: 1395.886 $\pm$ 0.419 χ^2 /NDF: 306055.4/6

1008.988 $\pm$ 0.220 χ^2 /NDF: 2297965.8/22

1017.505 $\pm$ 0.154 χ^2 /NDF: 5088905.9/48

1025.683 $\pm$ 0.216 χ^2 /NDF: 2788000.1/25

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

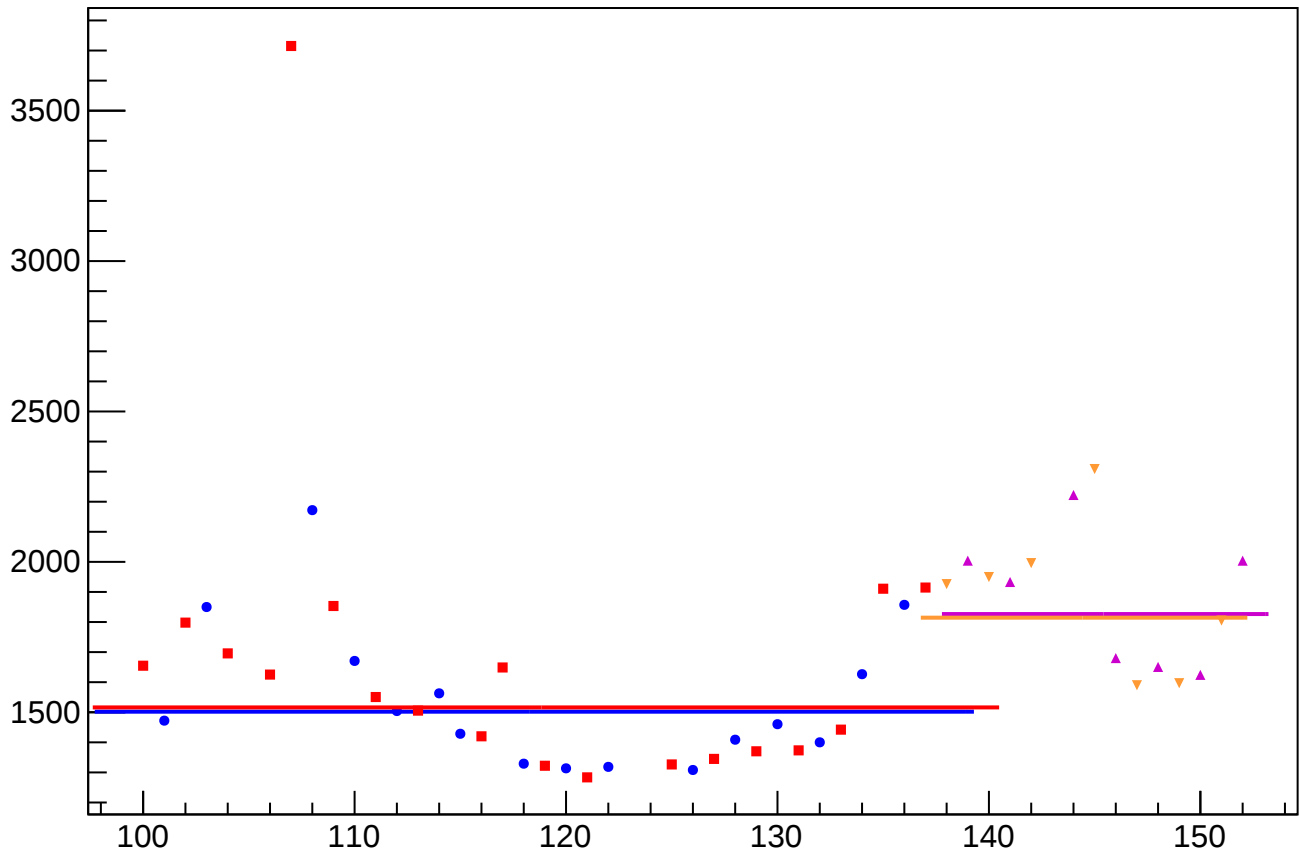
Left In: 1012.968 $\pm$ 767.553 χ^2/NDF : 2.5/6

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

1725.605 $\pm$ 332.153 χ^2/NDF : 44.7/48

1549.989 $\pm$ 463.524 χ^2/NDF : 25.8/25

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1814.482+/-0.572 χ^2/NDF : 150799.6/6

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

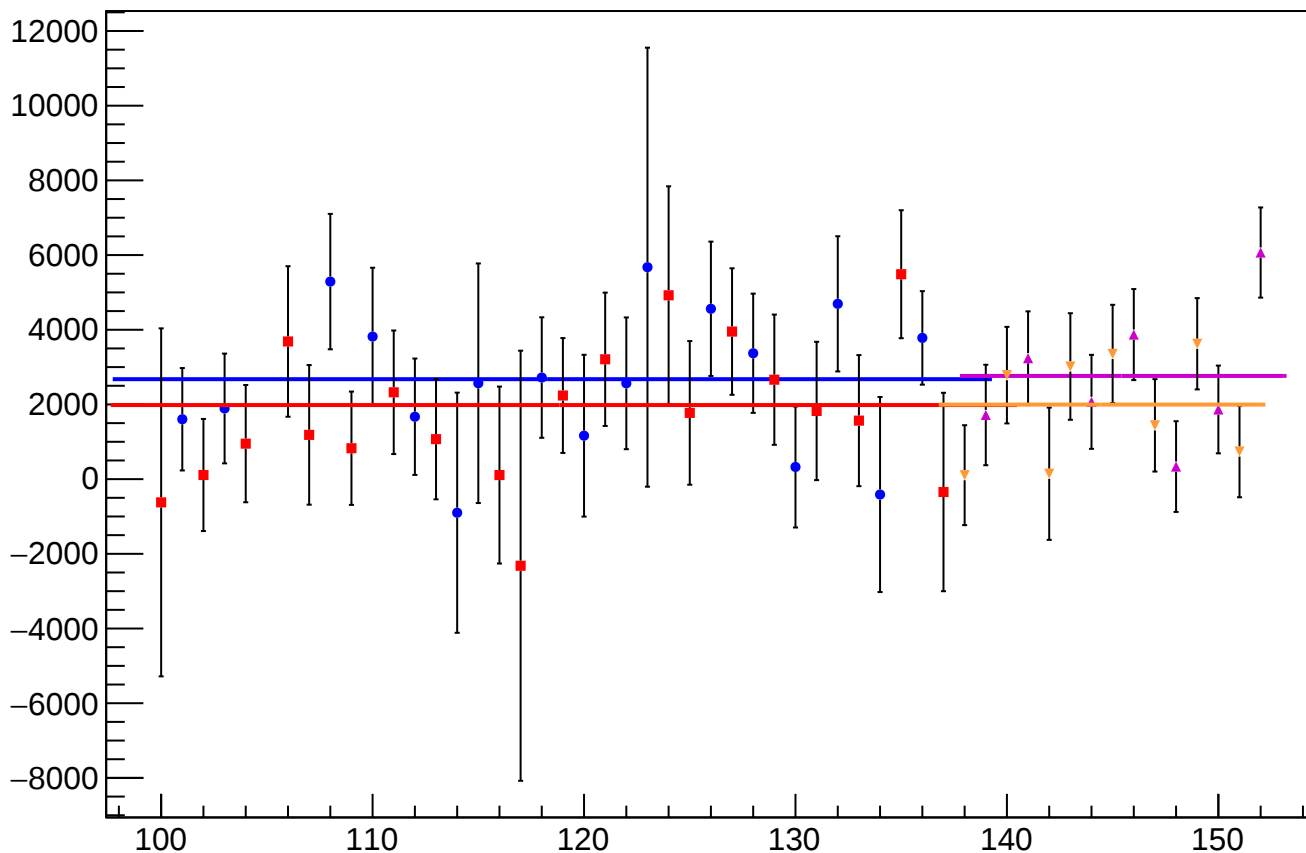
Left In: 1826.539+/-0.543 χ^2/NDF : 141064.6/6

1610.177+/-0.337 χ^2/NDF : 600385.5/22

1620.013+/-0.235 χ^2/NDF : 1431252.2/48

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

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

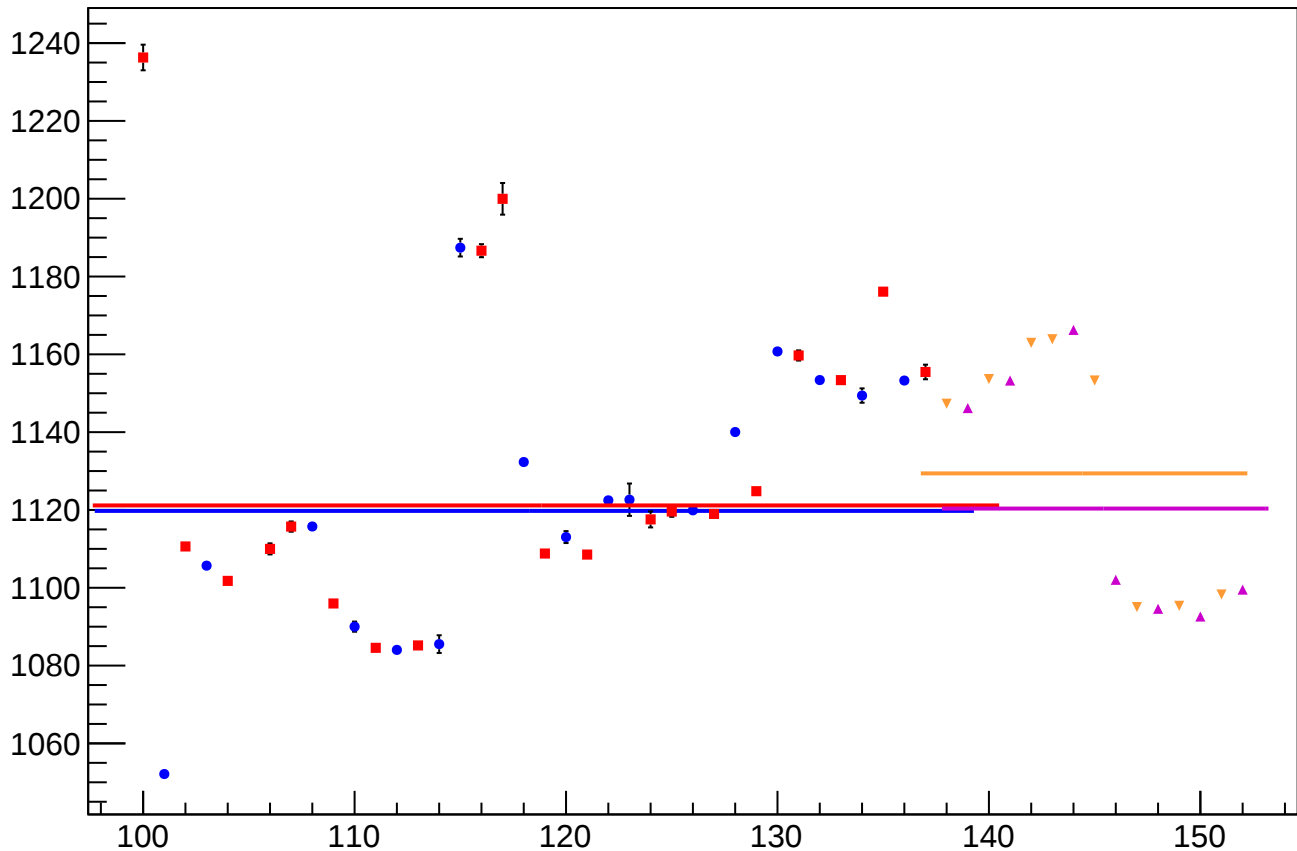
Left In: 2763.938 $\pm$ 467.298 χ^2 /NDF: 13.9/6

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

2346.742 $\pm$ 222.740 χ^2 /NDF: 50.6/51

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

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

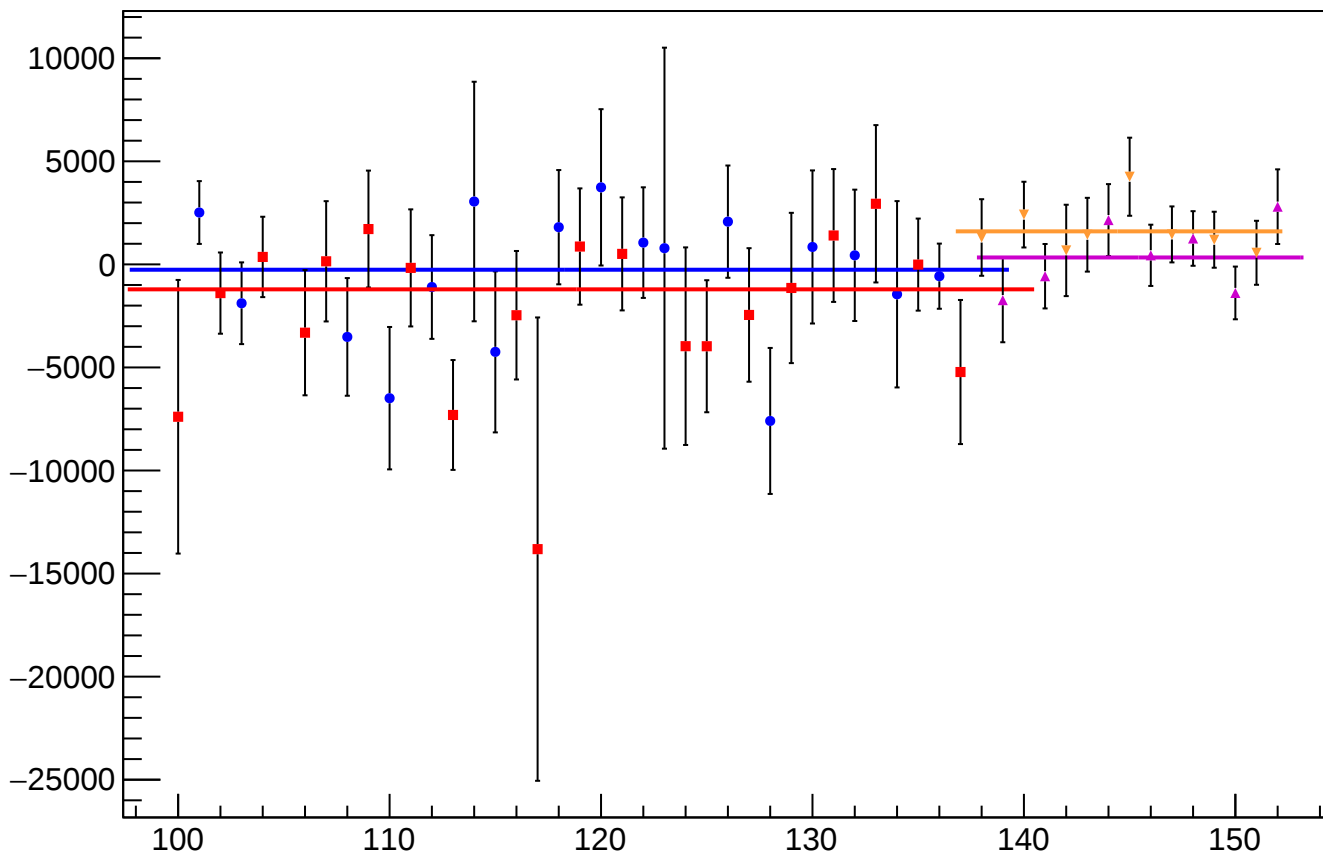
Left In: 1120.359 $\pm$ 0.330 χ^2 /NDF: 7836.0/6

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

1122.464 $\pm$ 0.158 χ^2 /NDF: 38591.5/51

1120.806 $\pm$ 0.220 χ^2 /NDF: 18150.1/26

asym_usr_correction_mean vs Slug, Sign Corrected



Right In: -259.821 $\pm$ 655.275 χ^2/NDF : 17.2/16

Left Out: 1602.111 $\pm$ 579.517 χ^2/NDF : 3.0/7

Right Out: -1211.378 $\pm$ 661.281 χ^2/NDF : 15.7/19

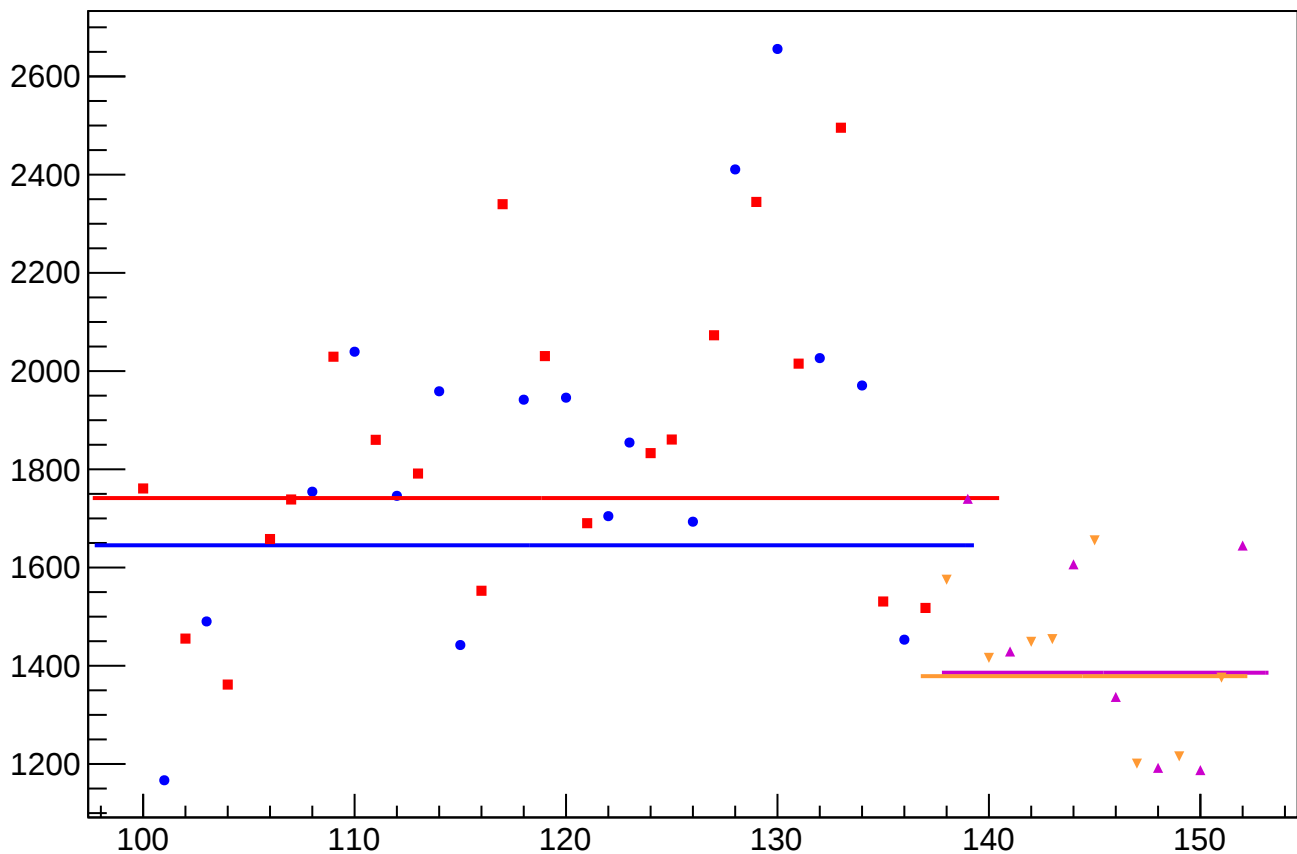
Left In: 335.178 $\pm$ 585.484 χ^2/NDF : 6.6/6

784.952 $\pm$ 434.106 χ^2/NDF : 24.7/24

225.770 $\pm$ 308.452 χ^2/NDF : 53.4/51

-344.424 $\pm$ 438.359 χ^2/NDF : 25.3/26

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

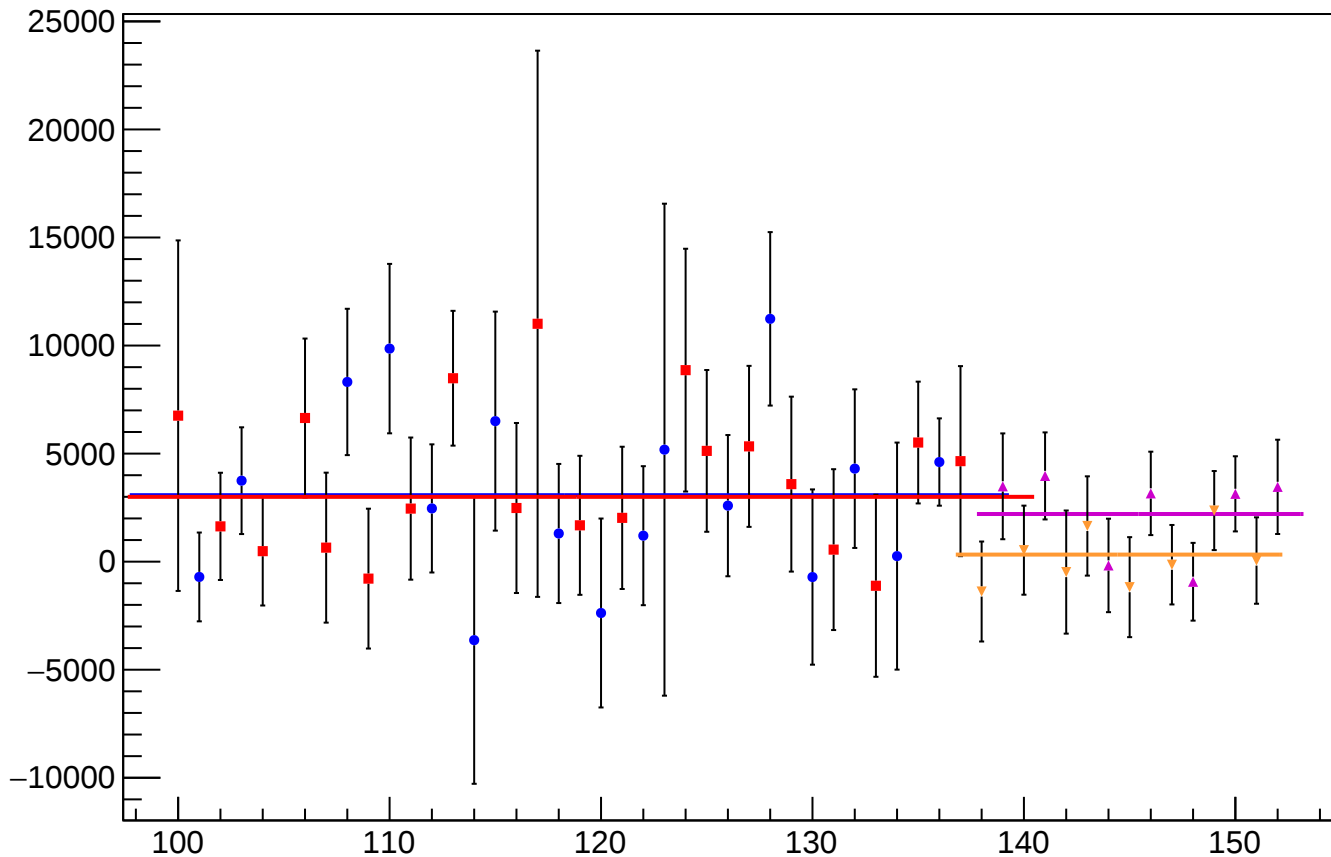
Left In: 1385.848 +/- 0.414 χ^2/NDF : 227543.1/6

1495.783 +/- 0.307 χ^2/NDF : 921472.9/24

1518.722 +/- 0.218 χ^2/NDF : 1861221.2/51

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

asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 327.043+/-752.370 χ^2/NDF : 2.7/7

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

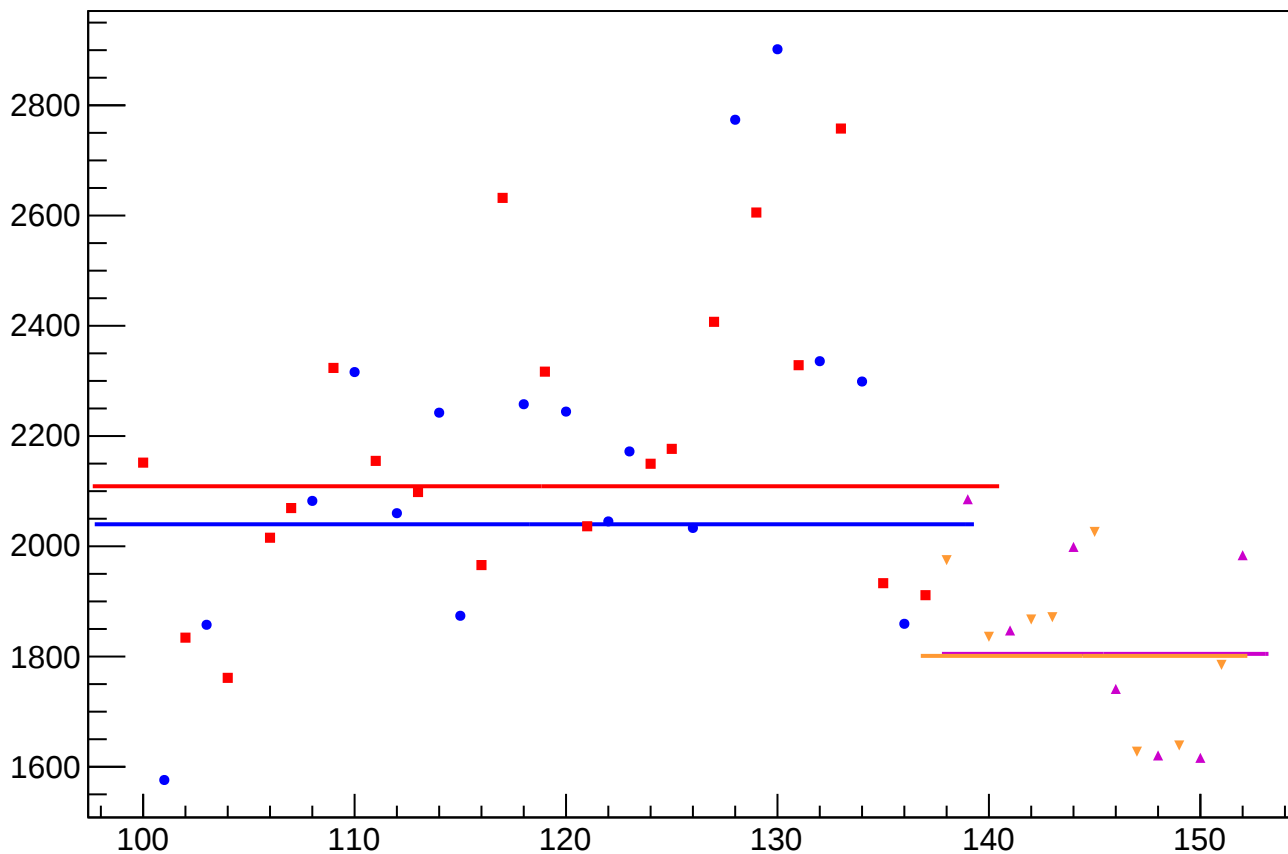
Left In: 2204.997+/-756.889 χ^2/NDF : 6.2/6

1613.132+/-548.793 χ^2/NDF : 27.6/24

2098.933+/-387.729 χ^2/NDF : 48.1/51

2583.108+/-547.873 χ^2/NDF : 19.0/26

asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1801.201+/-0.532 χ^2/NDF : 67451.2/7

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

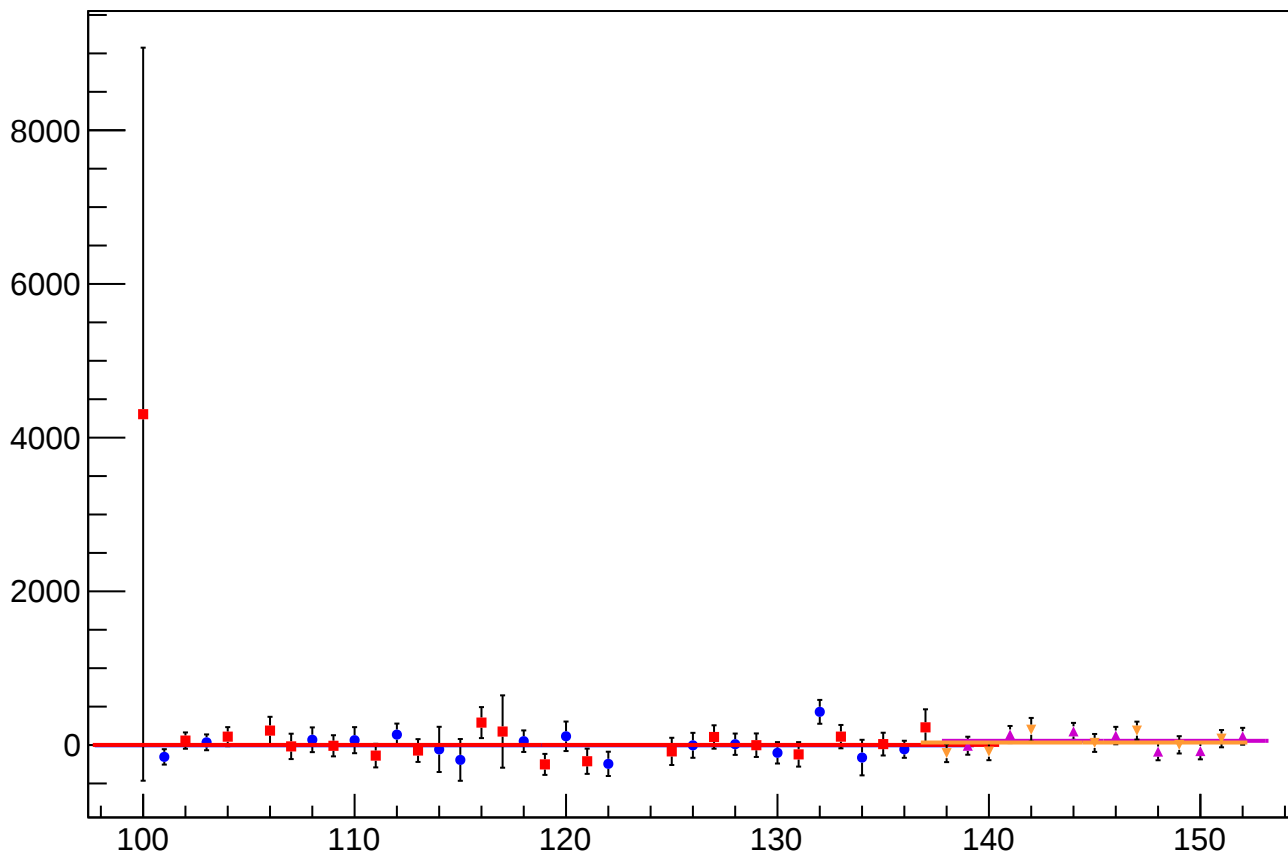
Left In: 1804.843+/-0.535 χ^2/NDF : 103386.6/6

1912.919+/-0.388 χ^2/NDF : 493672.1/24

1931.285+/-0.274 χ^2/NDF : 954072.9/51

1949.590+/-0.387 χ^2/NDF : 455928.4/26

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

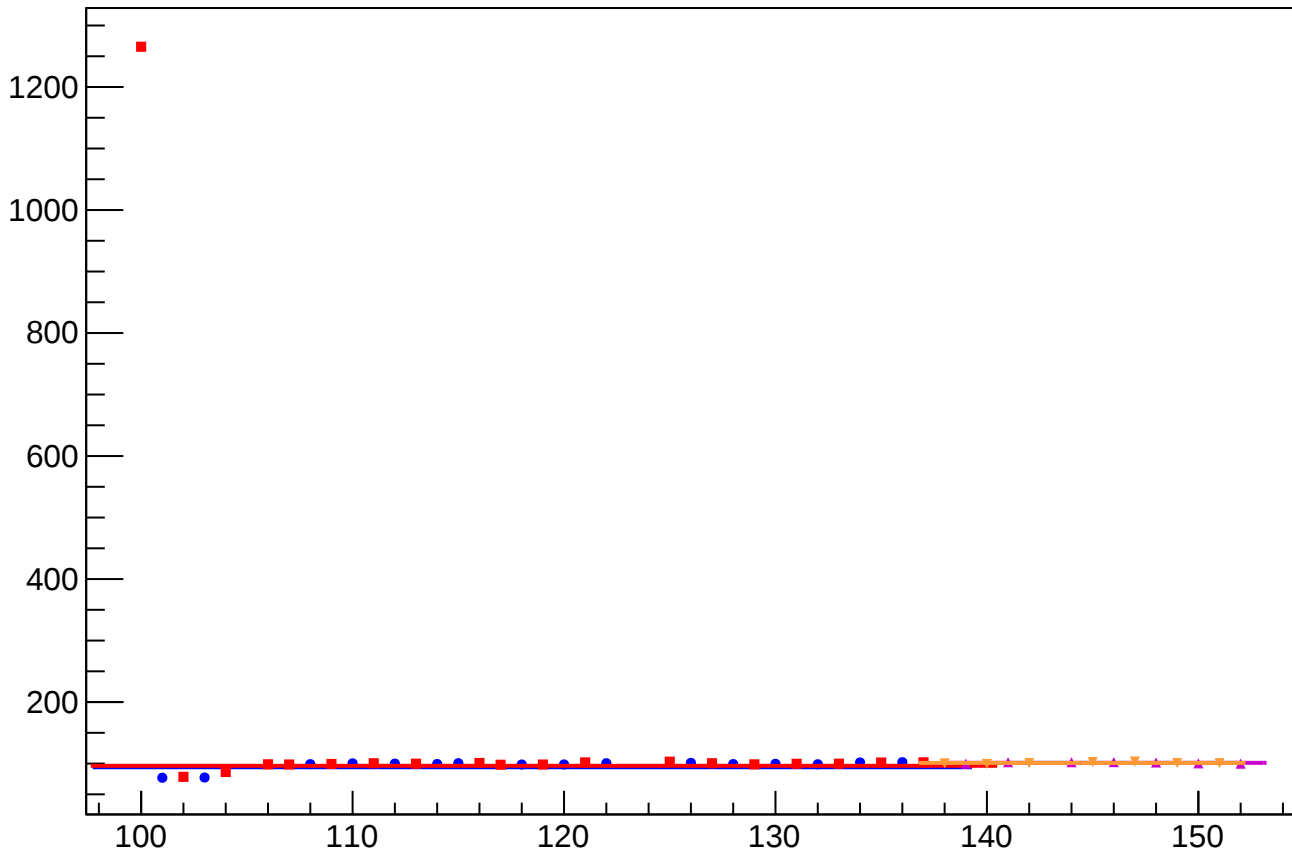
Left In: 54.803+/-42.214 χ^2/NDF : 5.8/6

11.249+/-28.361 χ^2/NDF : 22.3/22

17.987+/-19.797 χ^2/NDF : 43.2/48

24.391+/-27.648 χ^2/NDF : 20.8/25

reg_asym_dsl_rms vs Slug, Sign Corrected



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

Left Out: 101.083+/-0.032 χ^2/NDF : 1585.5/6

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

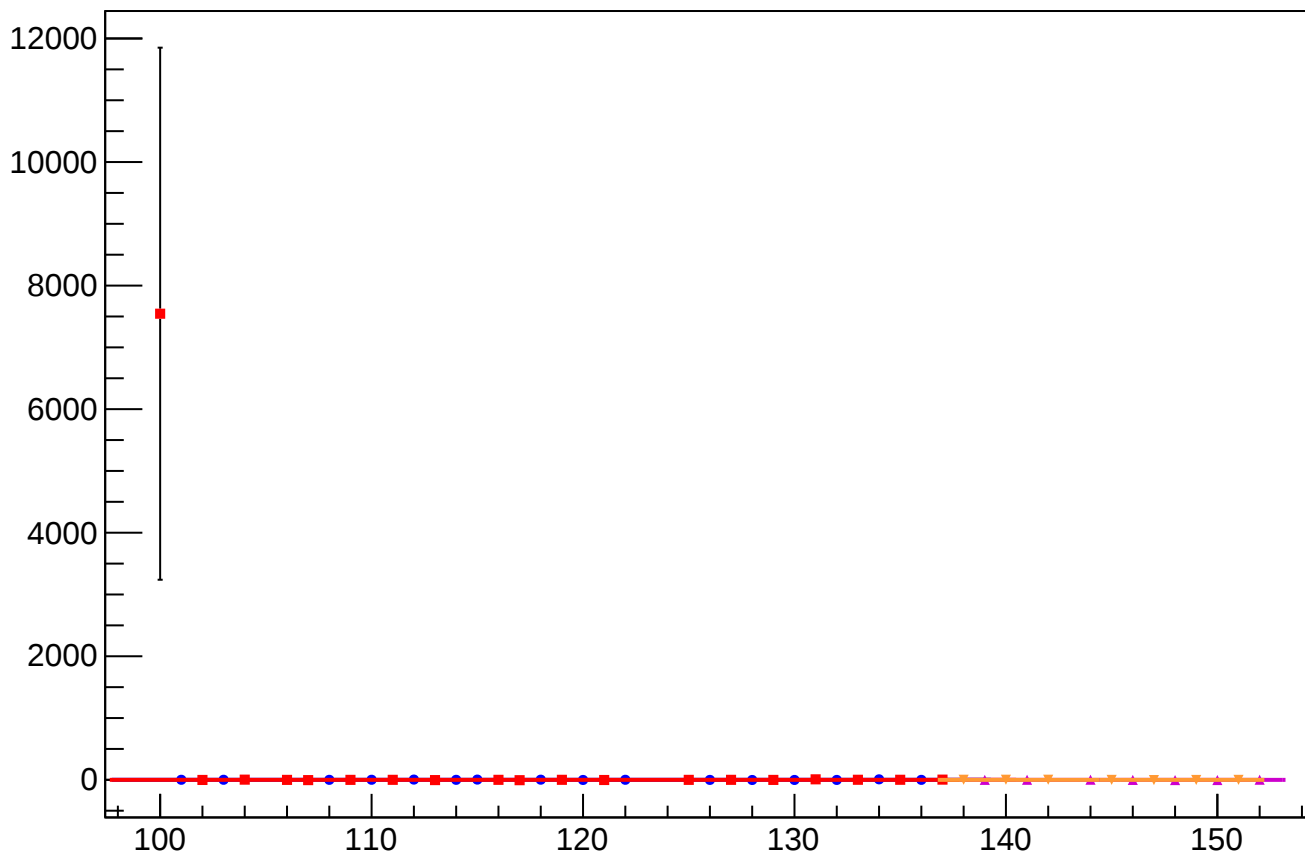
Left In: 101.237+/-0.030 χ^2/NDF : 1308.1/6

96.897+/-0.020 χ^2/NDF : 183315.0/22

97.701+/-0.014 χ^2/NDF : 412112.2/48

98.465+/-0.020 χ^2/NDF : 225664.0/25

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

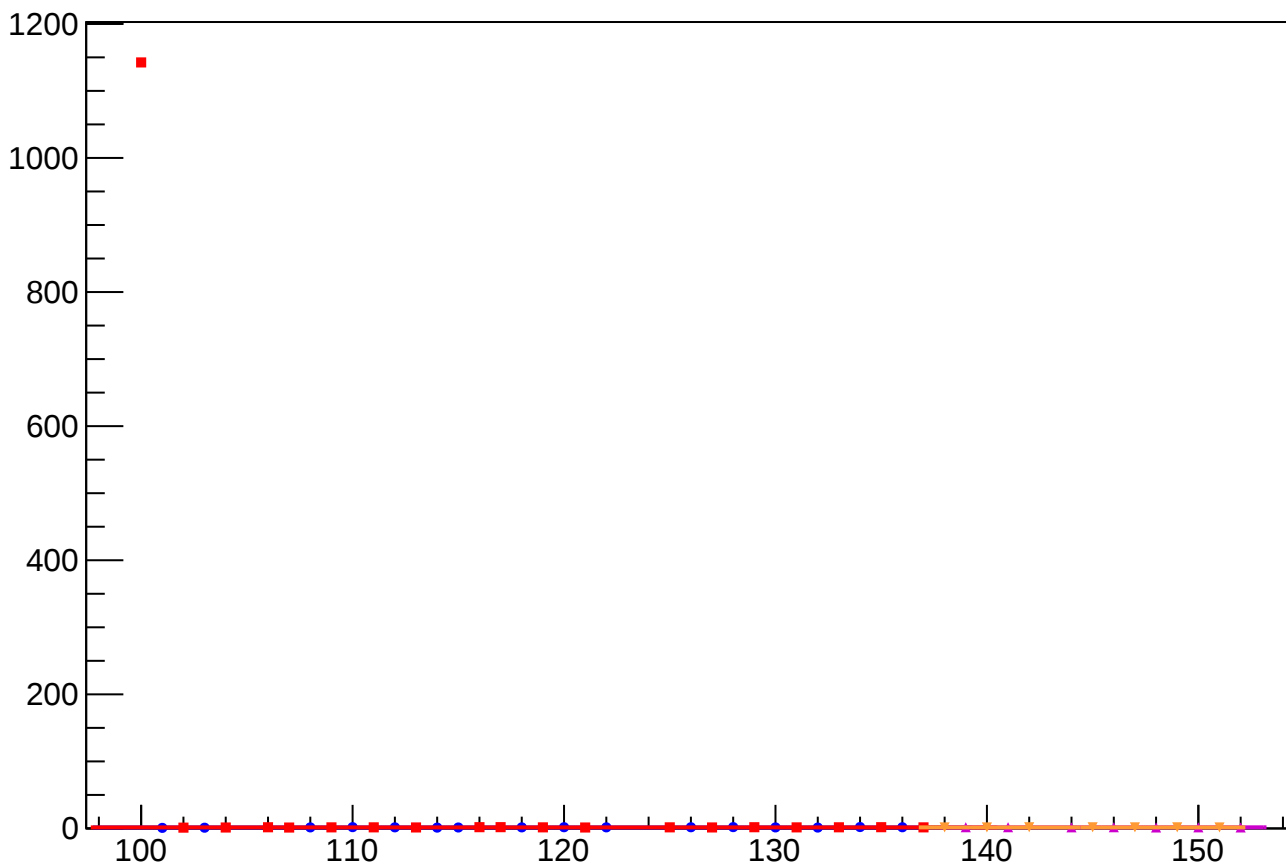
Left In: -0.714+/-0.757 χ^2 /NDF: 9.2/6

-0.014+/-0.481 χ^2 /NDF: 17.3/22

-0.250+/-0.343 χ^2 /NDF: 50.2/48

-0.494+/-0.489 χ^2 /NDF: 32.4/25

asym_dsl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.604+/-0.001 χ^2/NDF : 27069.5/6

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

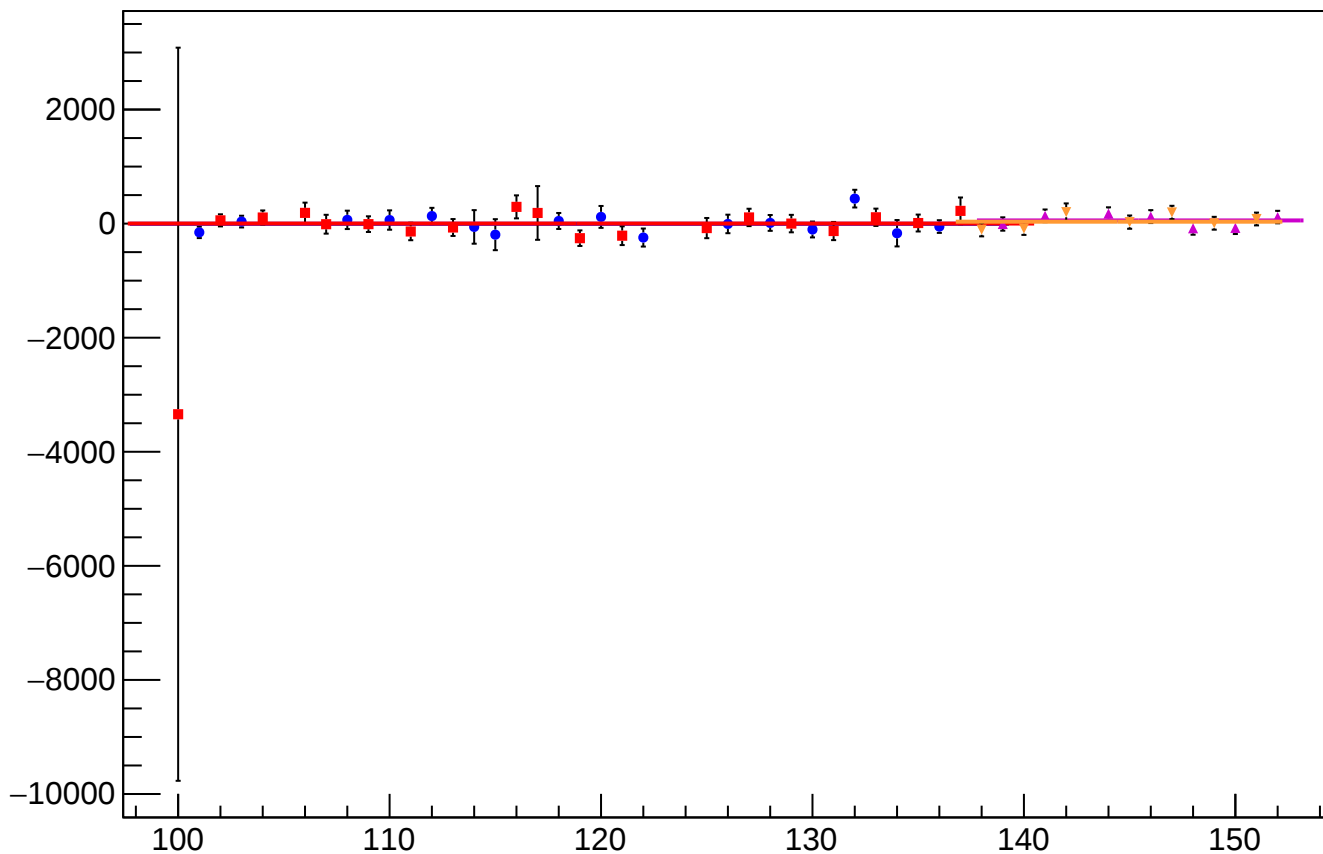
Left In: 1.687+/-0.001 χ^2/NDF : 71698.0/6

1.492+/-0.000 χ^2/NDF : 827984.9/22

1.550+/-0.000 χ^2/NDF : 1313386.8/48

1.611+/-0.000 χ^2/NDF : 424457.7/25

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

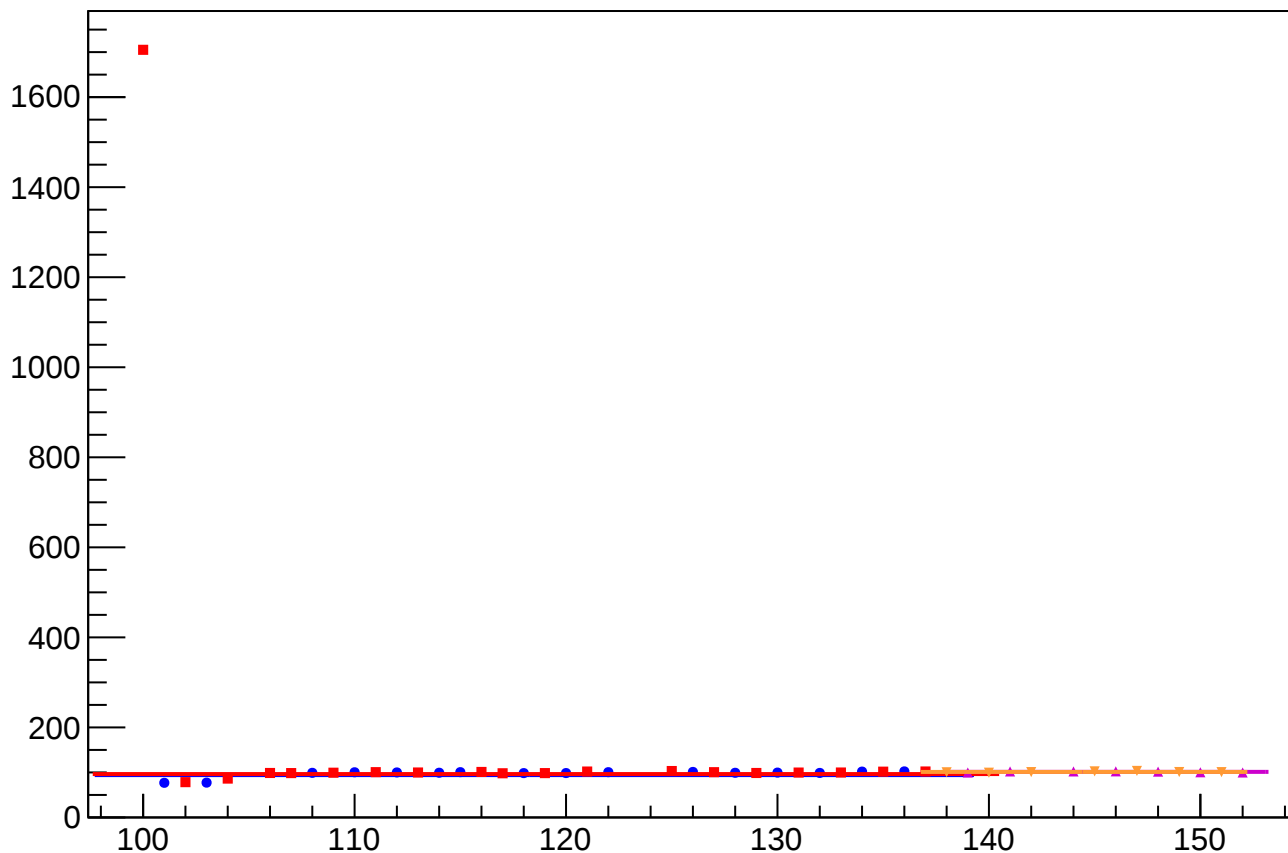
Left In: 55.855+/-42.225 χ^2/NDF : 5.6/6

11.803+/-28.368 χ^2/NDF : 22.7/22

18.417+/-19.803 χ^2/NDF : 43.0/48

24.703+/-27.656 χ^2/NDF : 20.2/25

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

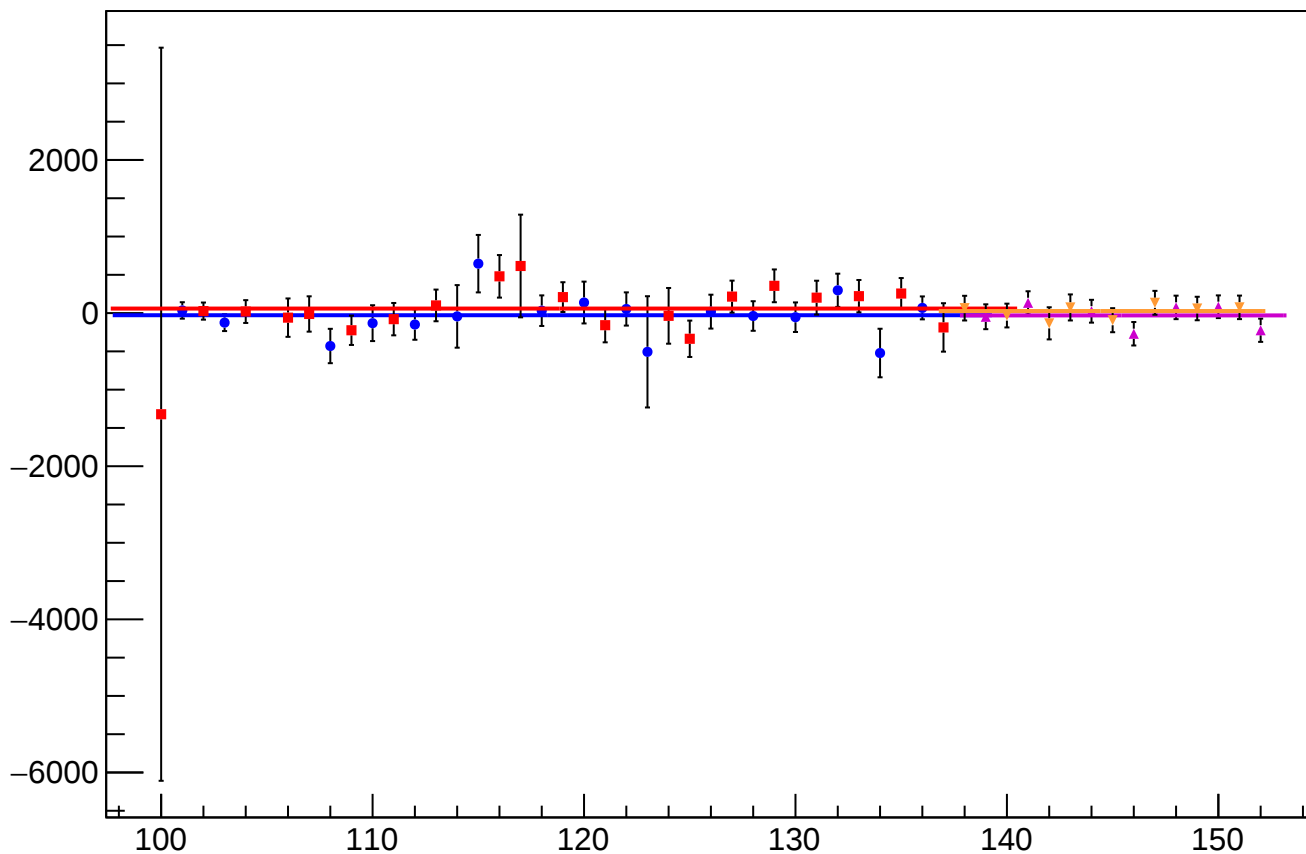
Left In: 101.263+/-0.030 χ^2/NDF : 1309.5/6

96.922+/-0.020 χ^2/NDF : 183334.5/22

97.722+/-0.014 χ^2/NDF : 417334.8/48

98.481+/-0.020 χ^2/NDF : 230902.9/25

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

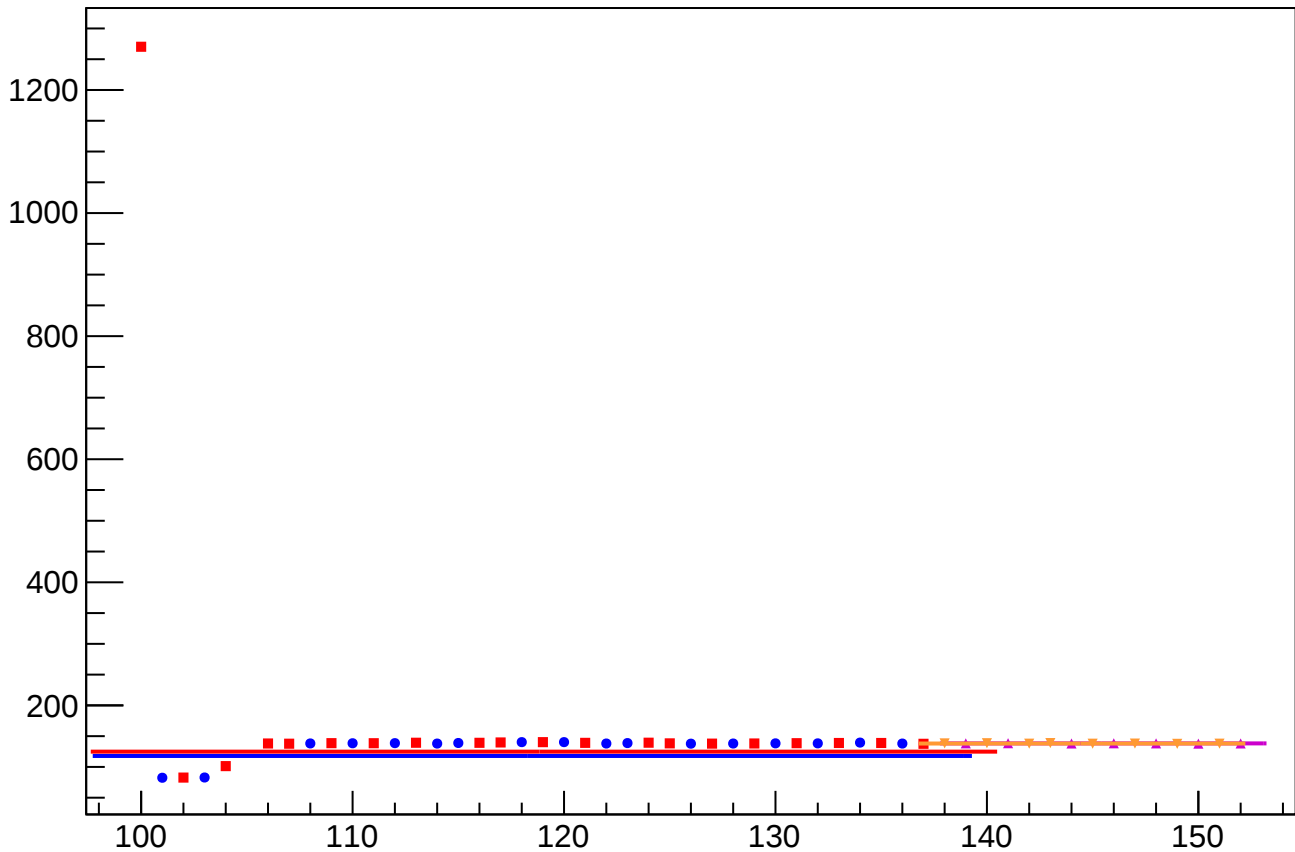
Left In: -30.232 ± 57.641 χ^2/NDF : 6.5/6

-5.973 ± 36.253 χ^2/NDF : 16.9/24

8.316 ± 25.790 χ^2/NDF : 40.7/51

22.957 ± 36.697 χ^2/NDF : 23.5/26

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

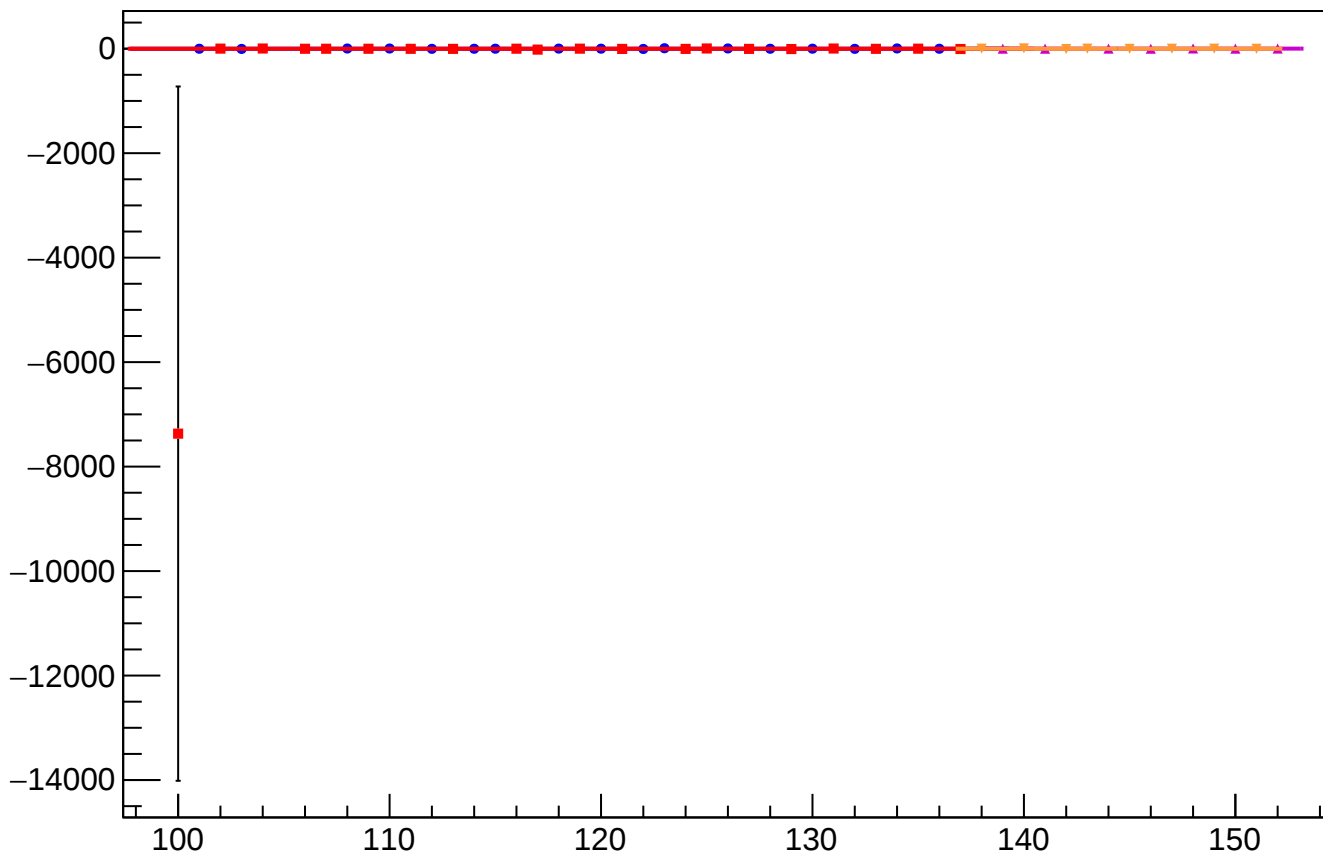
Left In: 138.234+/-0.041 χ^2/NDF : 27.8/6

125.888+/-0.026 χ^2/NDF : 815847.7/24

128.051+/-0.018 χ^2/NDF : 1465297.3/51

130.268+/-0.026 χ^2/NDF : 635025.9/26

asym_dsr_correction_mean vs Slug, Sign Corrected



Right In: -0.695 $\pm$ 0.810 χ^2/NDF : 12.7/16

Left Out: -0.182 $\pm$ 0.964 χ^2/NDF : 8.2/7

Right Out: -0.719 $\pm$ 0.849 χ^2/NDF : 15.3/19

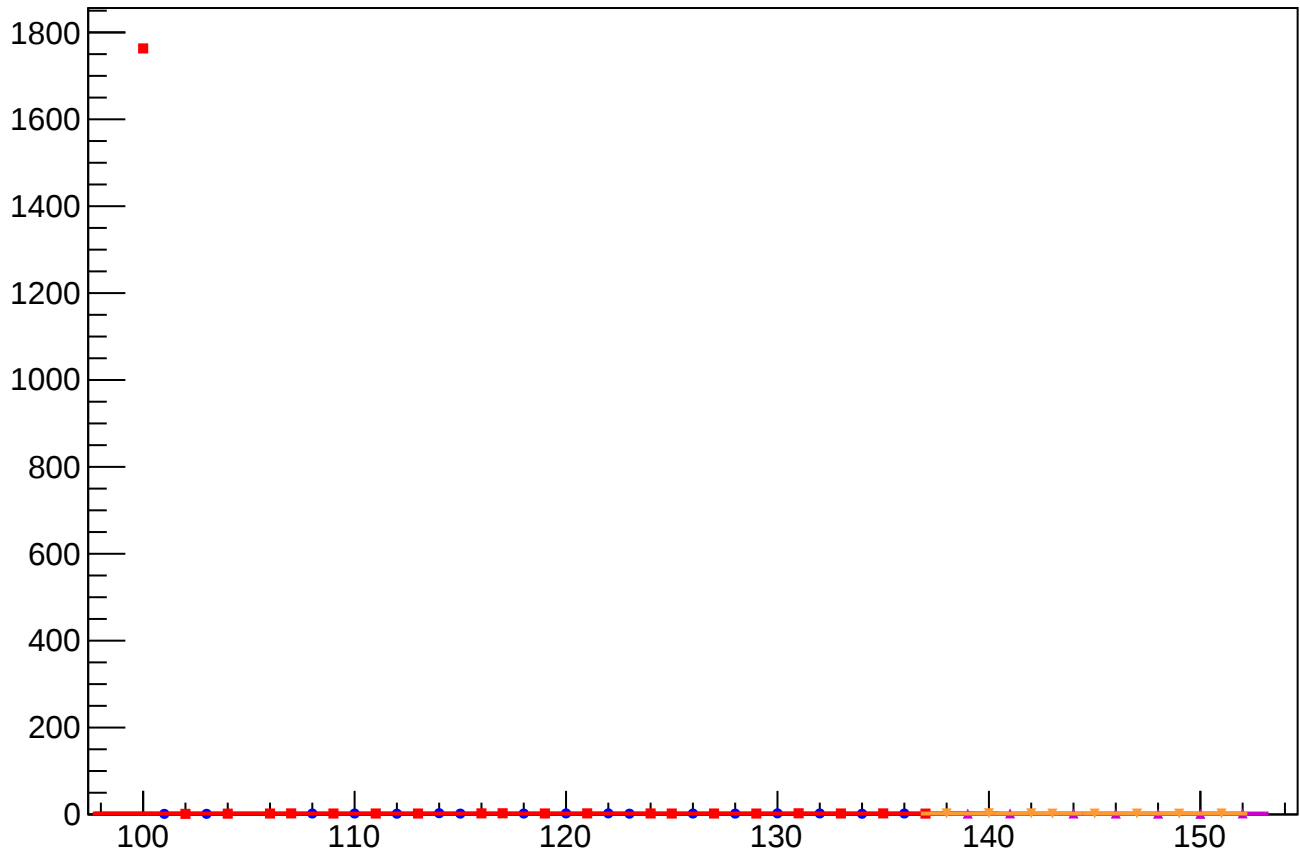
Left In: 1.549 $\pm$ 0.964 χ^2/NDF : 2.5/6

-0.483 $\pm$ 0.620 χ^2/NDF : 21.0/24

-0.116 $\pm$ 0.445 χ^2/NDF : 42.6/51

0.271 $\pm$ 0.637 χ^2/NDF : 20.9/26

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

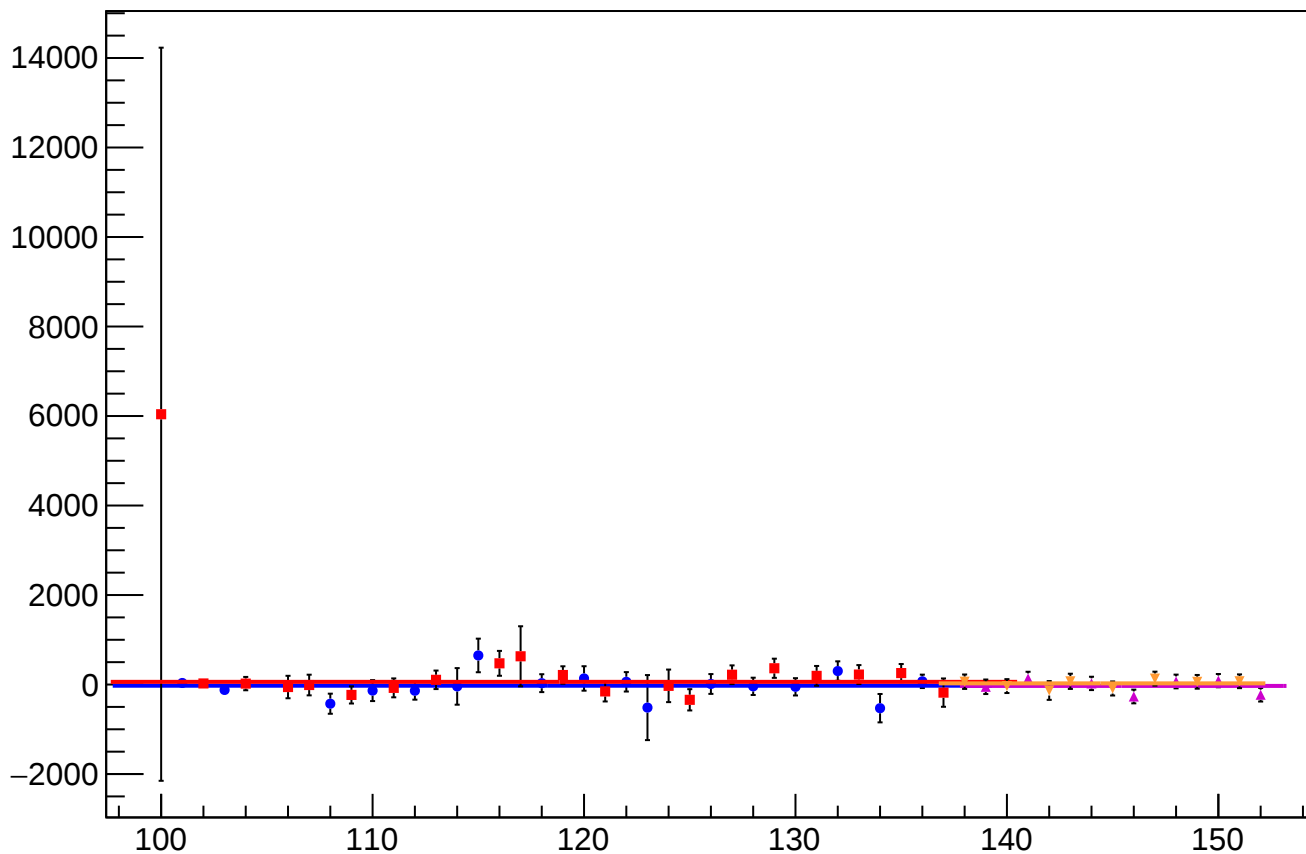
Left In: 2.057 $\pm$ 0.001 χ^2 /NDF: 246000.6/6

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

2.015 $\pm$ 0.000 χ^2 /NDF: 1499653.9/51

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

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

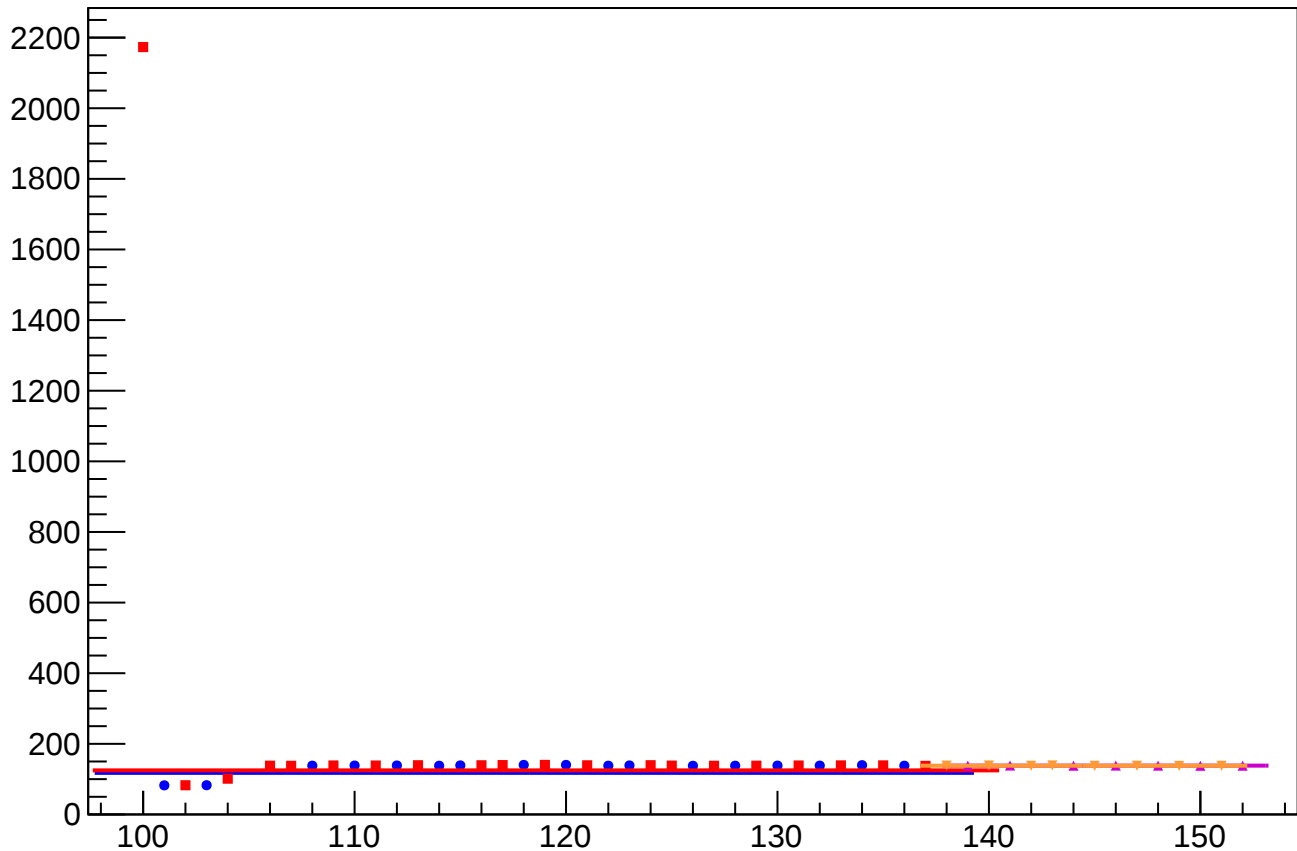
Left In: -30.847+/-57.656 χ^2 /NDF: 6.5/6

-5.278+/-36.263 χ^2 /NDF: 16.8/24

8.822+/-25.797 χ^2 /NDF: 41.4/51

23.270+/-36.708 χ^2 /NDF: 24.2/26

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

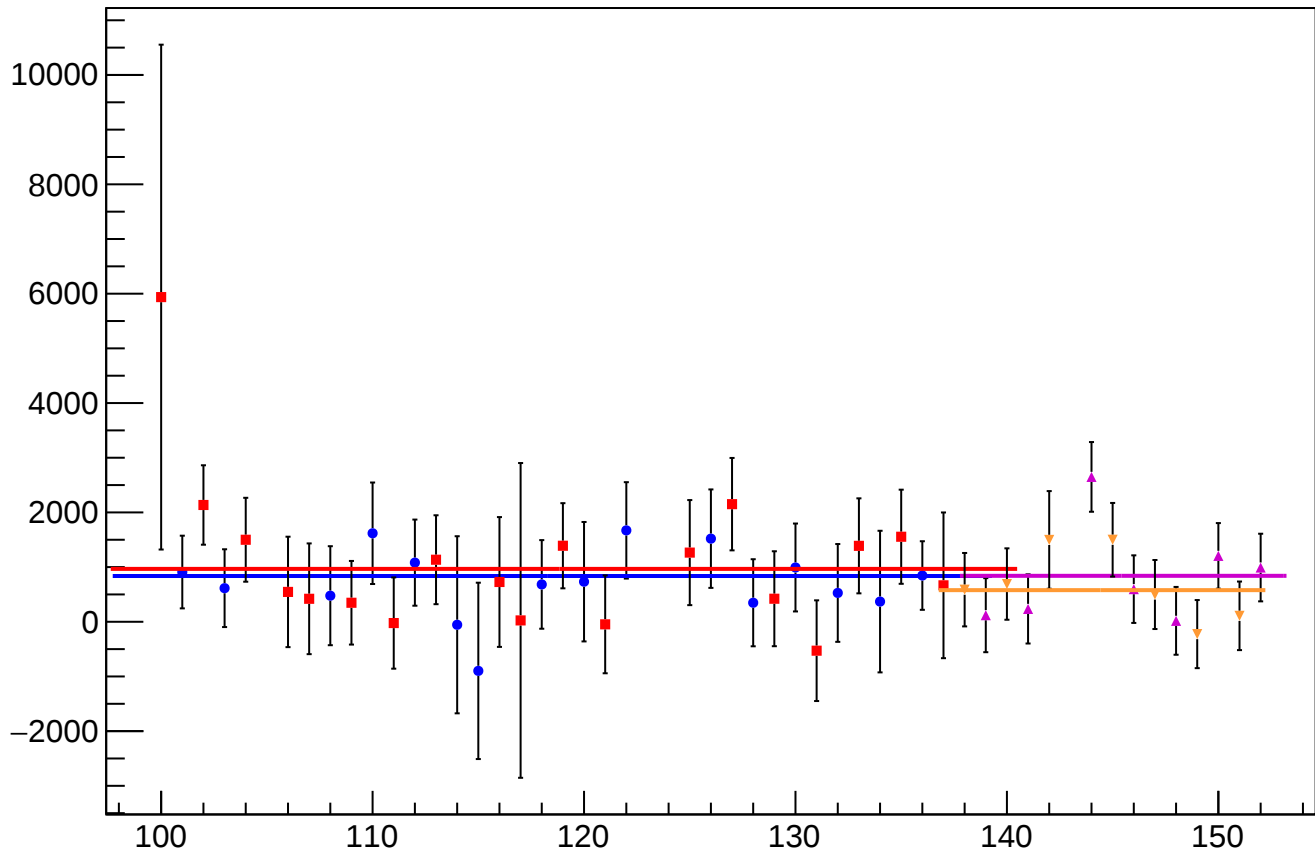
Left In: 138.271 $\pm$ 0.041 χ^2 /NDF: 27.8/6

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

128.073 $\pm$ 0.018 χ^2 /NDF: 1476154.7/51

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

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

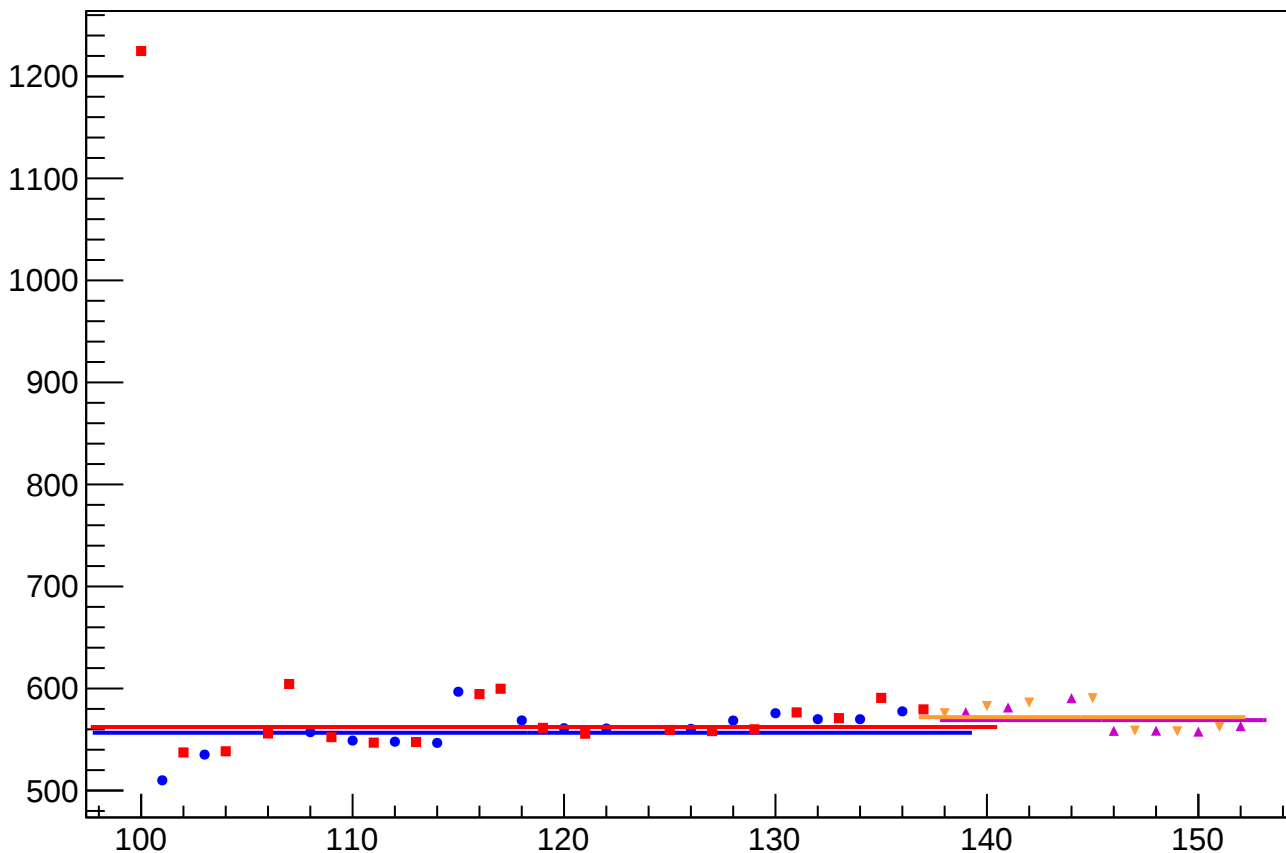
Left In: 840.477 $\pm$ 237.311 χ^2 /NDF: 12.4/6

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

822.828 $\pm$ 113.940 χ^2 /NDF: 38.2/48

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

reg_asym_left_avg_rms vs Slug, Sign Corrected



Right In: 556.637 ± 0.153 $\chi^2/\text{NDF}: 18391.7/15$

Left Out: 571.887 ± 0.179 $\chi^2/\text{NDF}: 4994.9/6$

Right Out: 562.253 ± 0.150 $\chi^2/\text{NDF}: 55916.7/18$

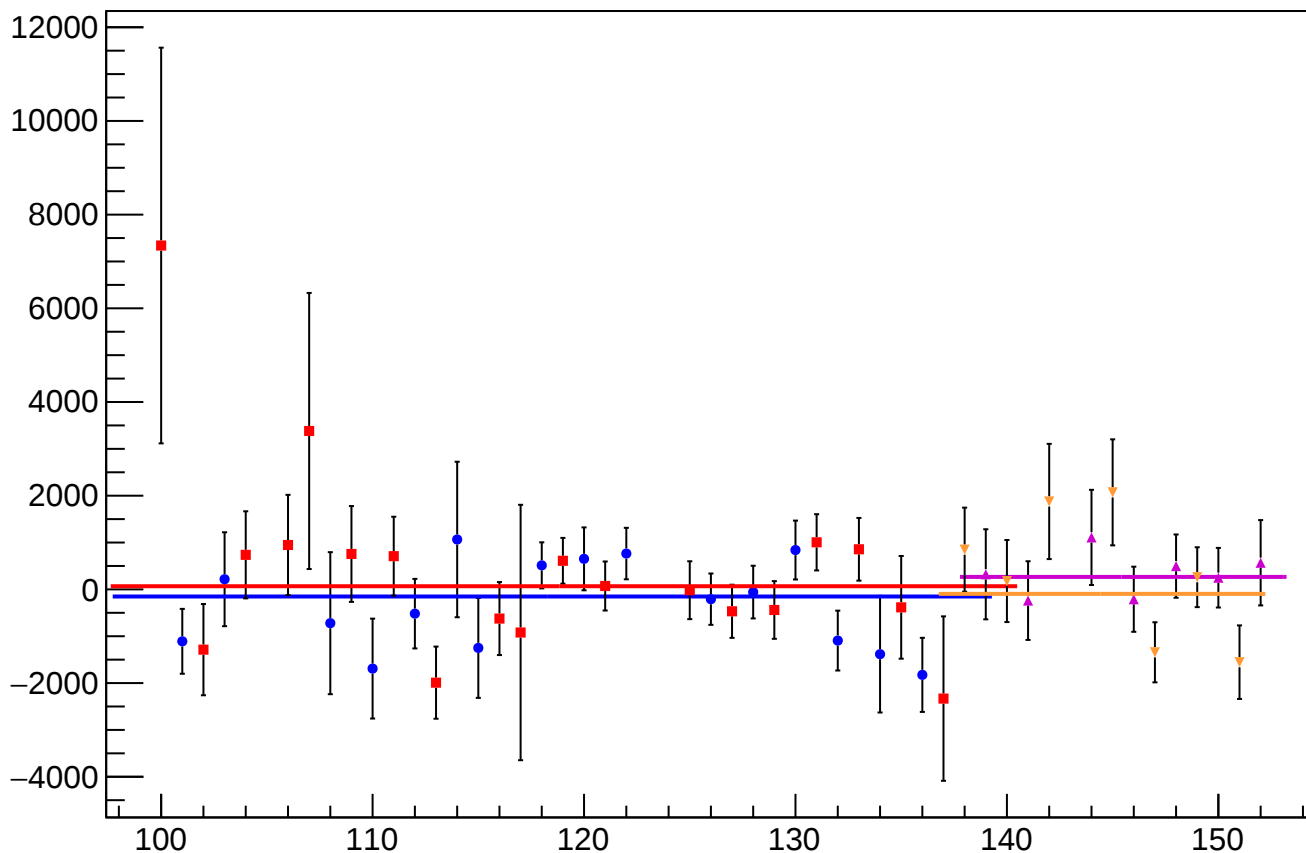
Left In: 569.020 ± 0.168 $\chi^2/\text{NDF}: 5330.4/6$

563.081 ± 0.116 $\chi^2/\text{NDF}: 27591.9/22$

564.211 ± 0.081 $\chi^2/\text{NDF}: 89925.4/48$

565.259 ± 0.112 $\chi^2/\text{NDF}: 62151.0/25$

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

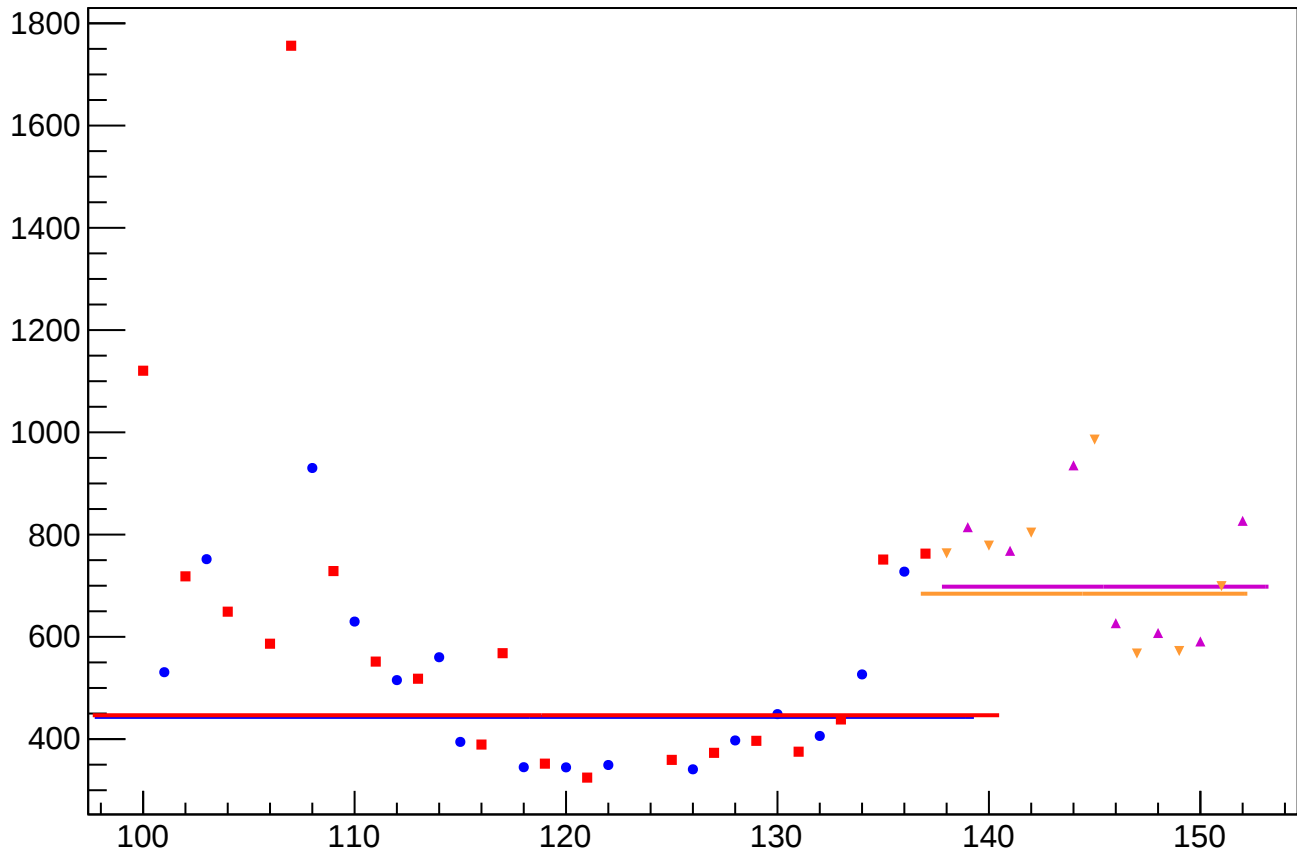
Left In: 266.477 $\pm$ 296.120 χ^2 /NDF:1.8/6

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

-6.239 $\pm$ 108.982 χ^2 /NDF: 66.0/48

120.448 $\pm$ 152.737 χ^2 /NDF: 27.2/25

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

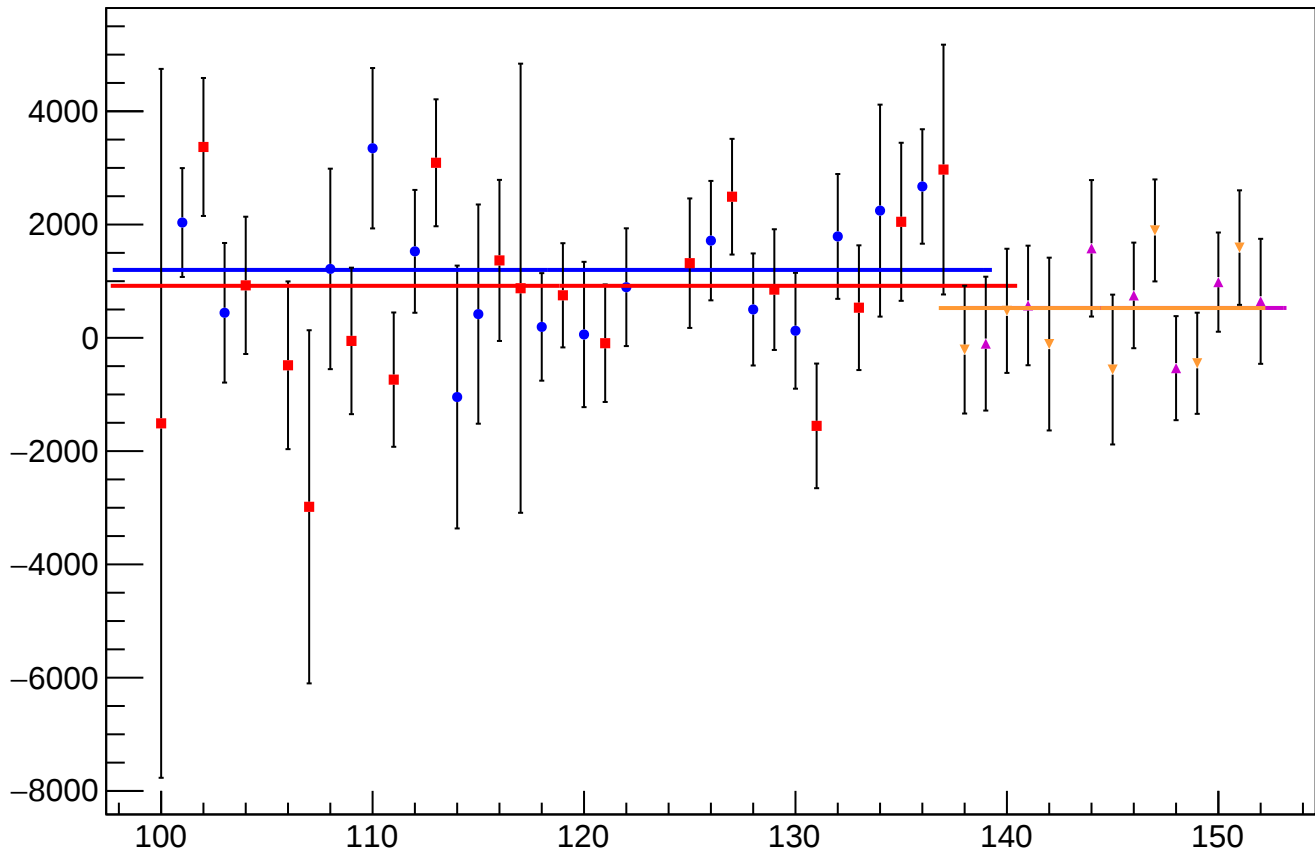
Left In: 698.137+/-0.209 χ^2/NDF : 306106.1/6

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

509.174+/-0.077 χ^2/NDF : 5130017.5/48

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

asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 525.959 ± 405.376 χ^2/NDF : 5.9/6

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

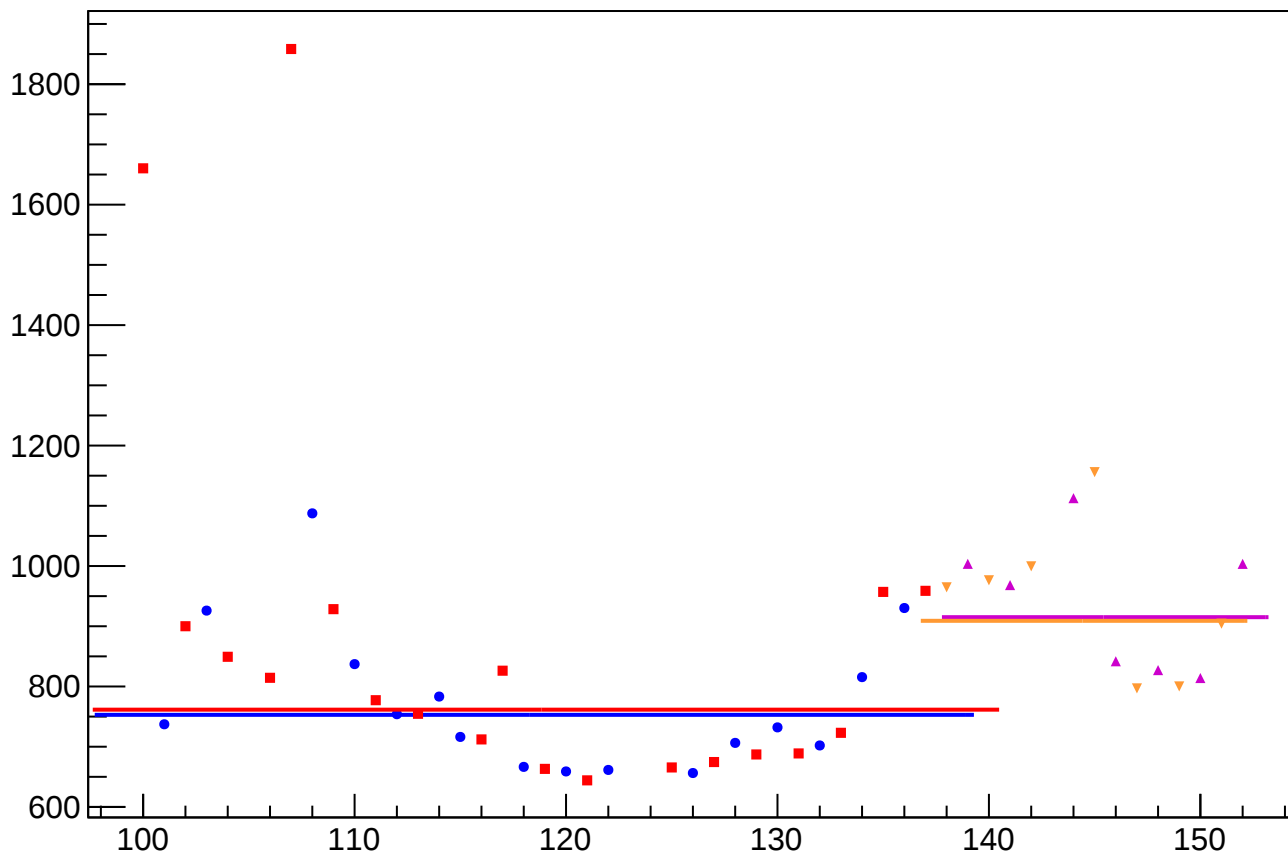
Left In: 527.383 ± 384.516 χ^2/NDF : 2.7/6

965.708 ± 238.655 χ^2/NDF : 18.9/22

867.952 ± 166.645 χ^2/NDF : 45.8/48

774.936 ± 232.797 χ^2/NDF : 26.6/25

asym_left_avg_rms vs Slug, Sign Corrected



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

Left Out: 909.034 $\pm$ 0.287 χ^2/NDF :149948.5/6

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

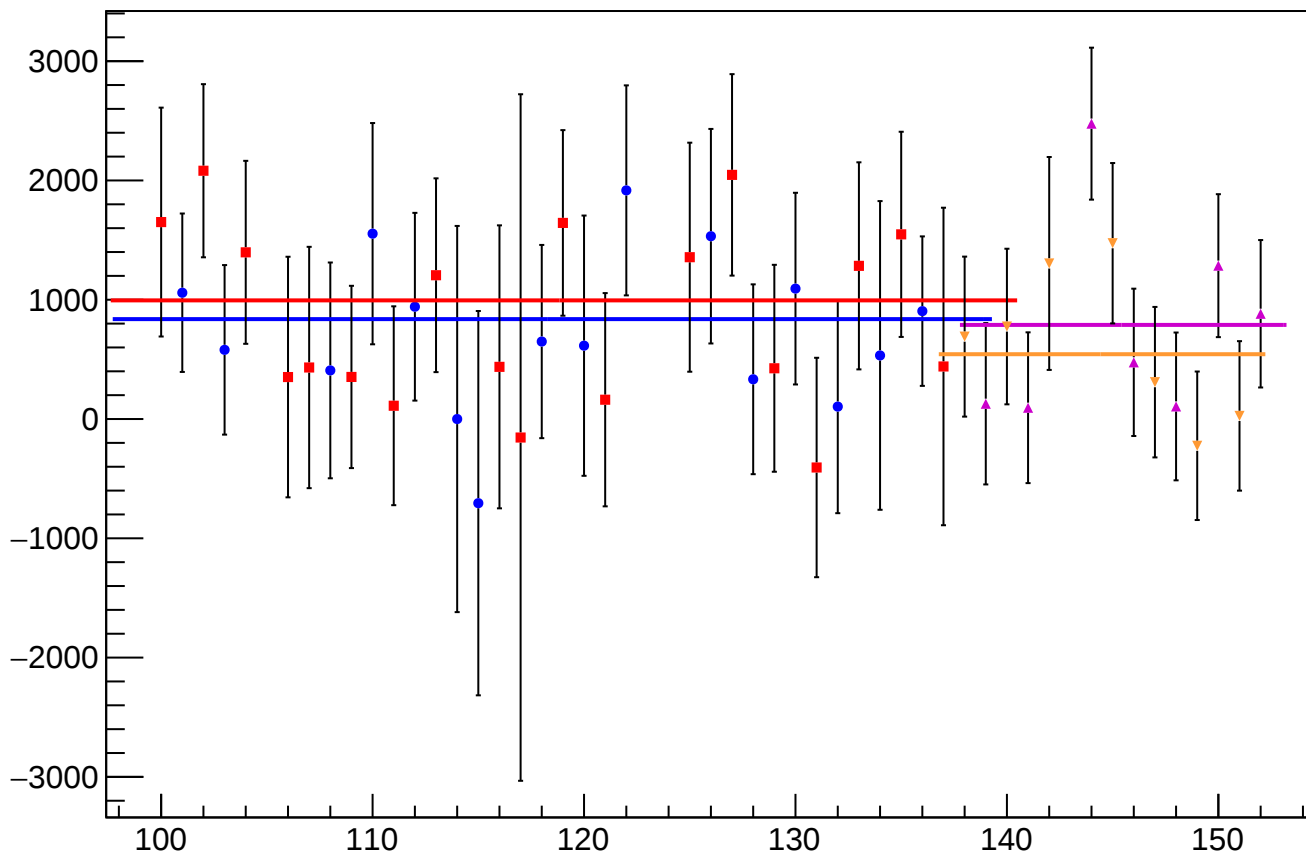
Left In: 915.072 $\pm$ 0.272 χ^2/NDF :140261.4/6

807.040 $\pm$ 0.169 χ^2/NDF : 596243.7/22

812.554 $\pm$ 0.118 χ^2/NDF : 1458312.6/48

817.800 $\pm$ 0.165 χ^2/NDF : 859985.6/25

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

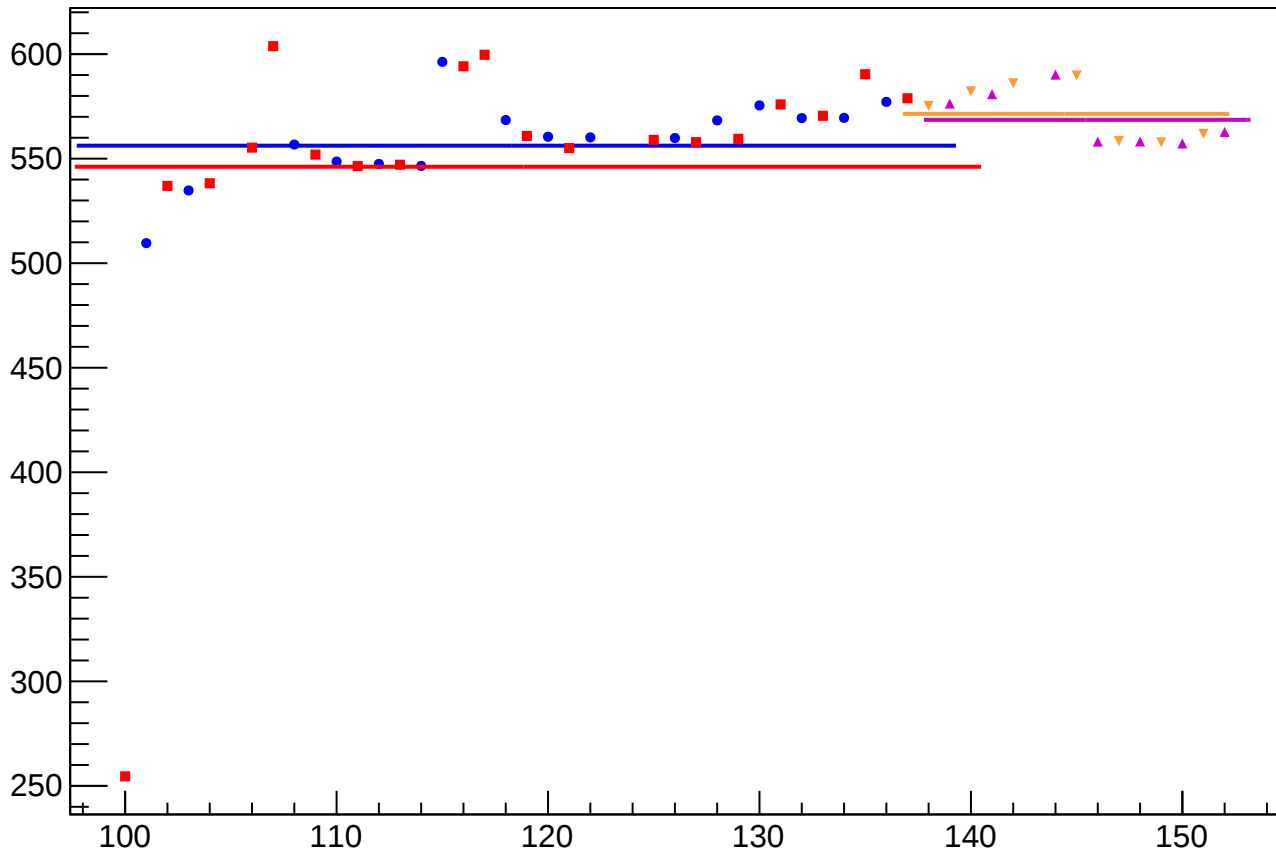
Left In: 788.991 ± 237.128 χ^2/NDF : 11.4/6

713.233 ± 164.147 χ^2/NDF : 11.6/22

814.285 ± 113.091 χ^2/NDF : 36.8/48

905.593 ± 156.031 χ^2/NDF : 24.5/25

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

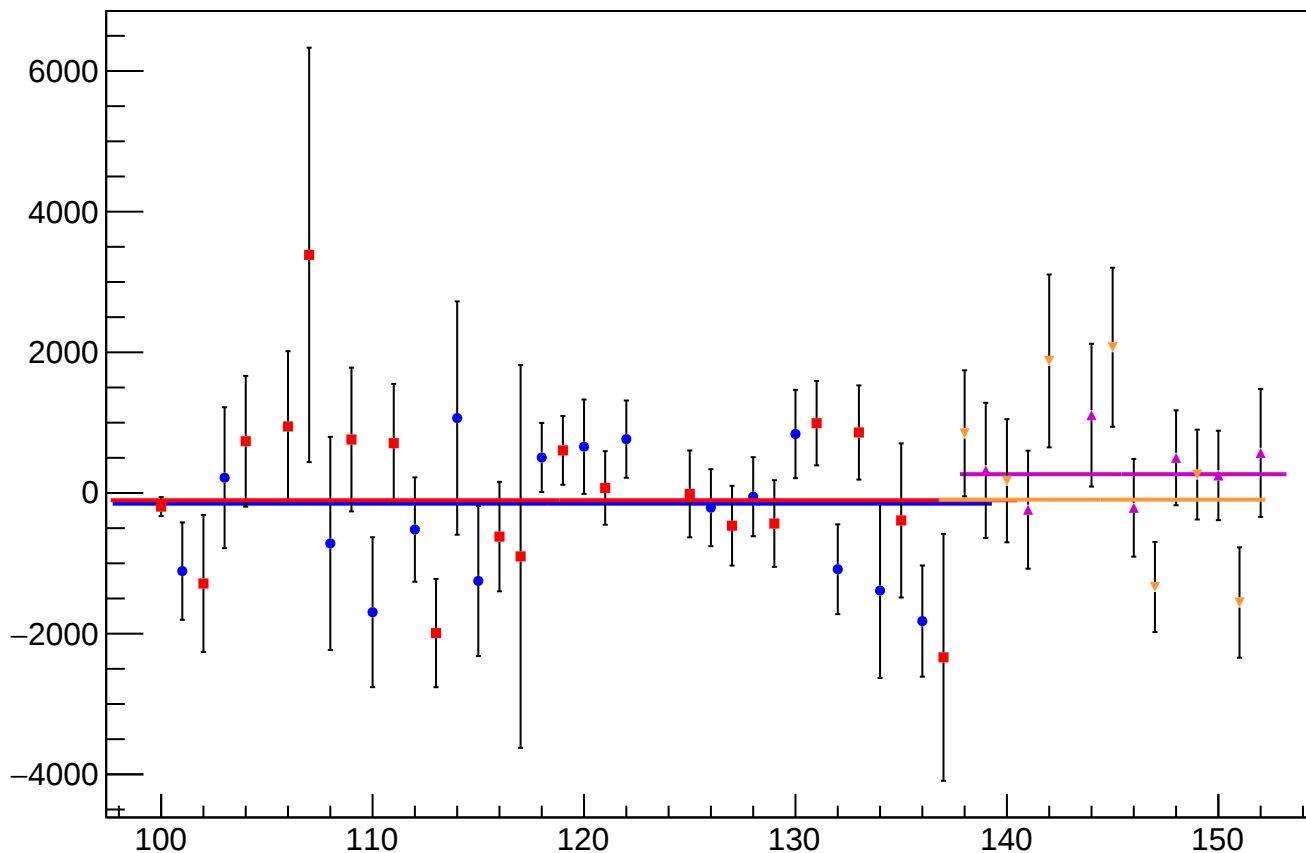
Left In: 568.583 +/- 0.168 χ^2/NDF : 5342.4/6

562.647 +/- 0.116 χ^2/NDF : 27534.0/22

559.075 +/- 0.080 χ^2/NDF : 253188.8/48

555.848 +/- 0.110 χ^2/NDF : 223852.3/25

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

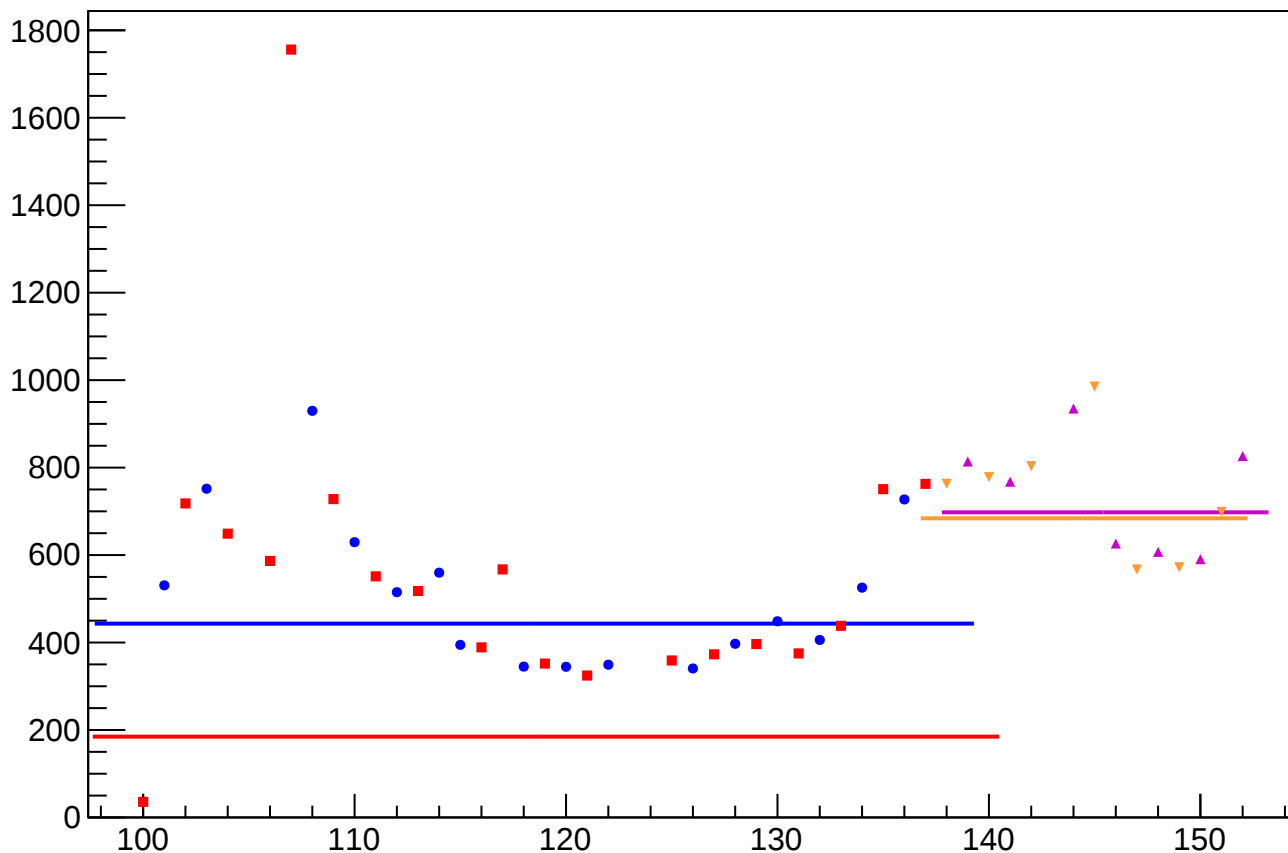
Left In: 267.243+/-295.956 χ^2/NDF :1.8/6

-137.036+/-155.473 χ^2/NDF : 37.3/22

-82.942+/-84.781 χ^2/NDF : 63.9/48

-60.048+/-101.143 χ^2/NDF : 26.5/25

asym_left_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 684.038 $\pm$ 0.218 χ^2 /NDF: 328405.9/6

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

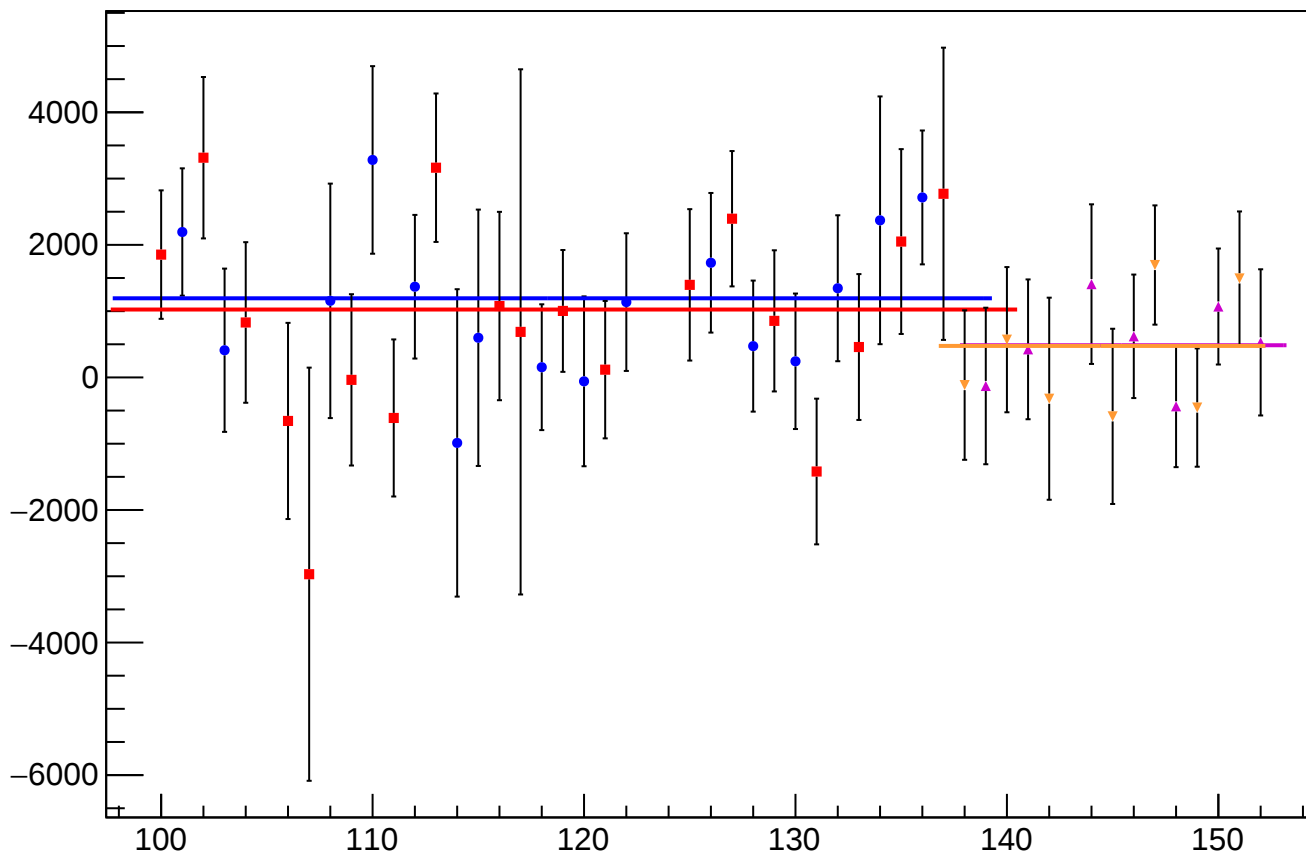
Left In: 697.748 $\pm$ 0.209 χ^2 /NDF: 306004.5/6

504.373 $\pm$ 0.110 χ^2 /NDF: 2297959.5/22

321.933 $\pm$ 0.060 χ^2 /NDF: 19948700.0/48

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

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

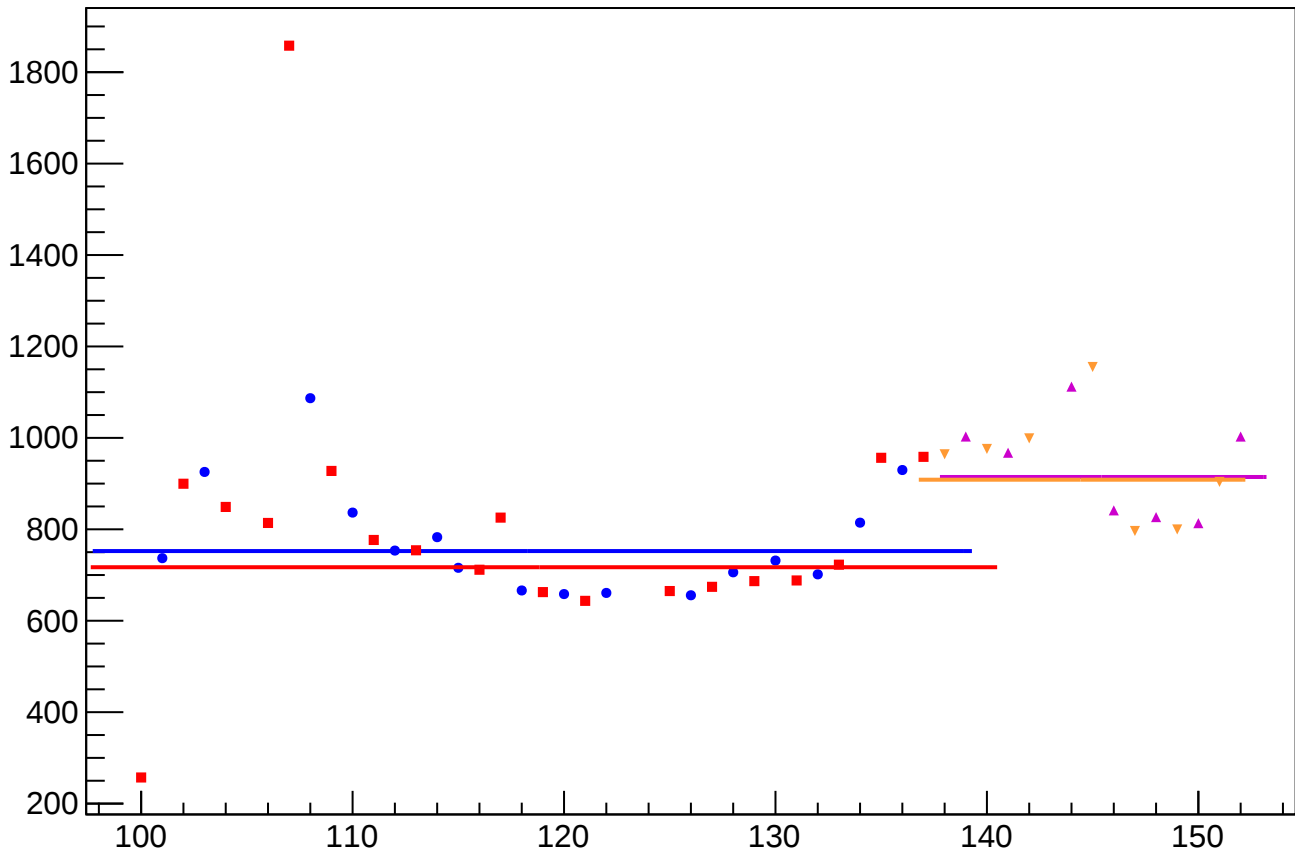
Left In: 485.577 $\pm$ 384.267 χ^2/NDF : 2.3/6

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

888.366 $\pm$ 164.186 χ^2/NDF : 44.6/48

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

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

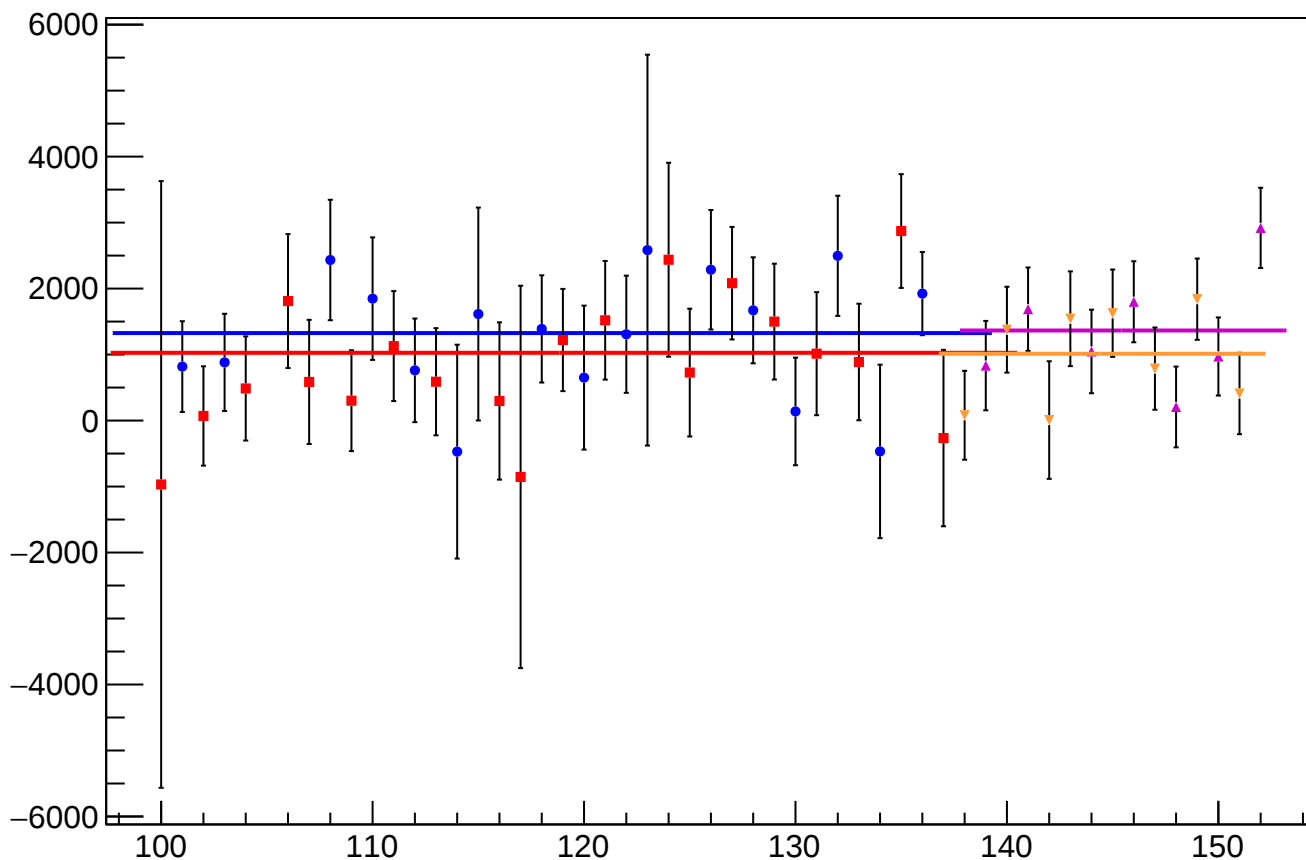
Left In: 914.477 +/- 0.272 χ^2/NDF : 140260.1/6

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

795.499 +/- 0.116 χ^2/NDF : 2058089.4/48

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

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

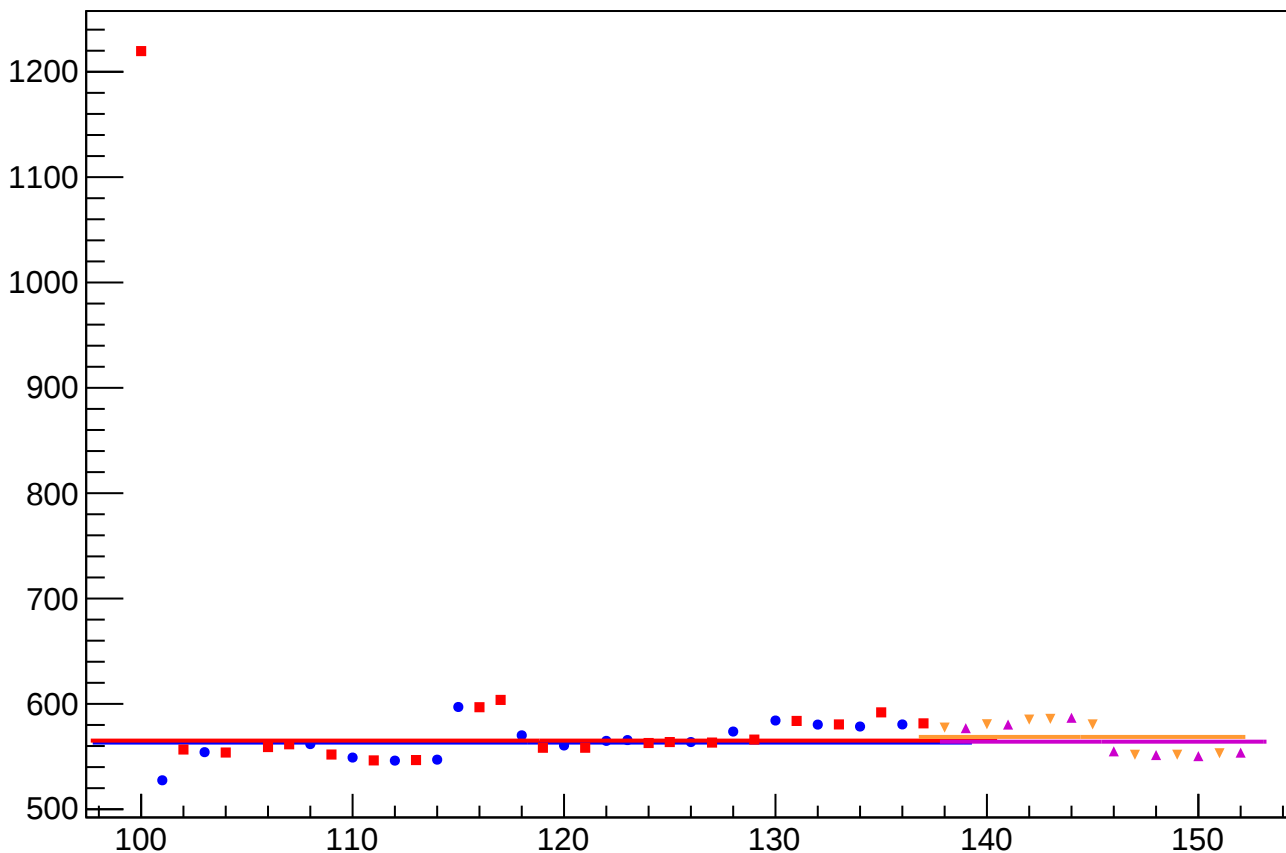
Left In: 1364.893 $\pm$ 235.294 χ^2 /NDF: 12.2/6

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

1179.530 $\pm$ 112.202 χ^2 /NDF: 48.8/51

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

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

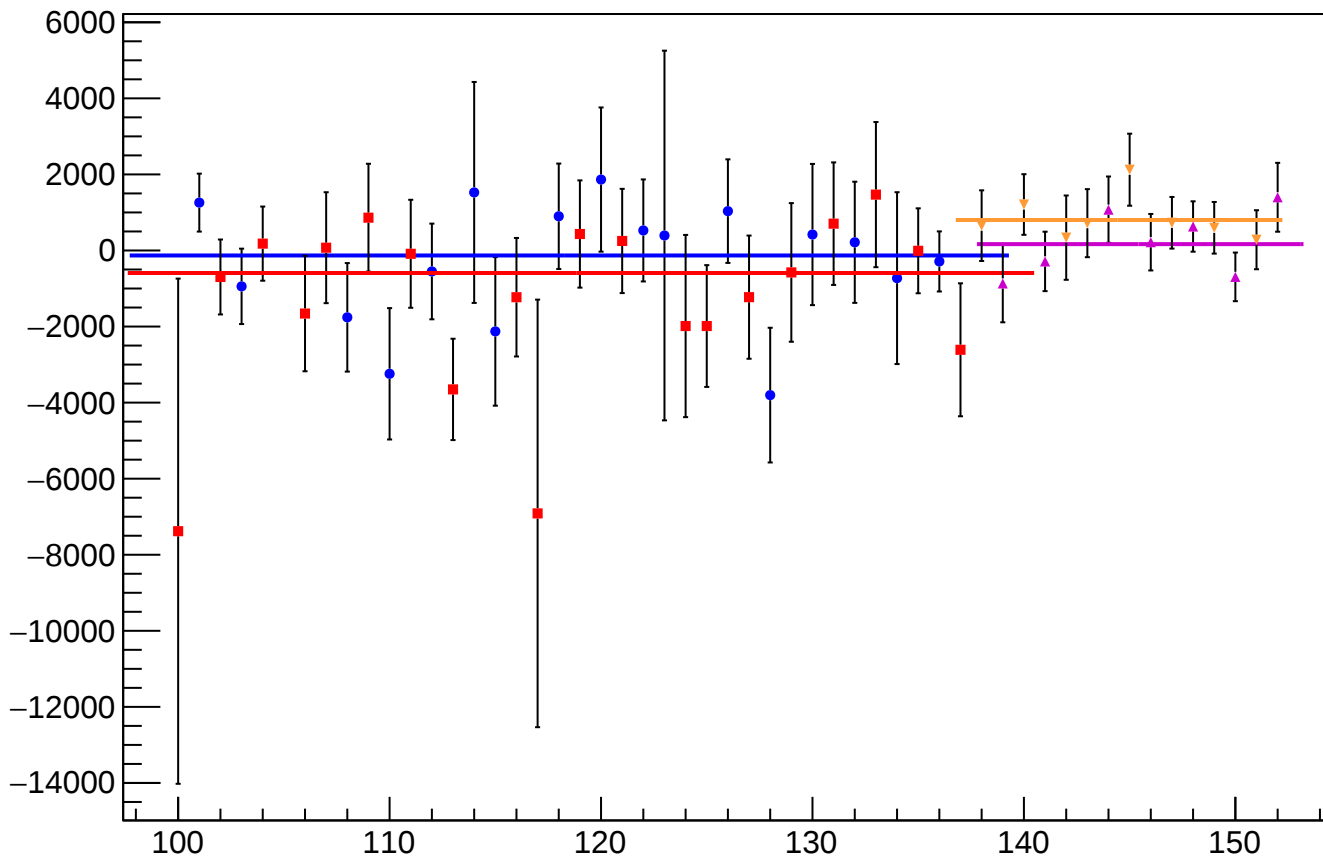
Left In: 564.131 $\pm$ 0.166 χ^2 /NDF: 7575.4/6

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

565.206 $\pm$ 0.079 χ^2 /NDF: 78112.0/51

564.696 $\pm$ 0.111 χ^2 /NDF: 57249.3/26

asym_right_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 801.320+/-289.706 χ^2/NDF : 3.0/7

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

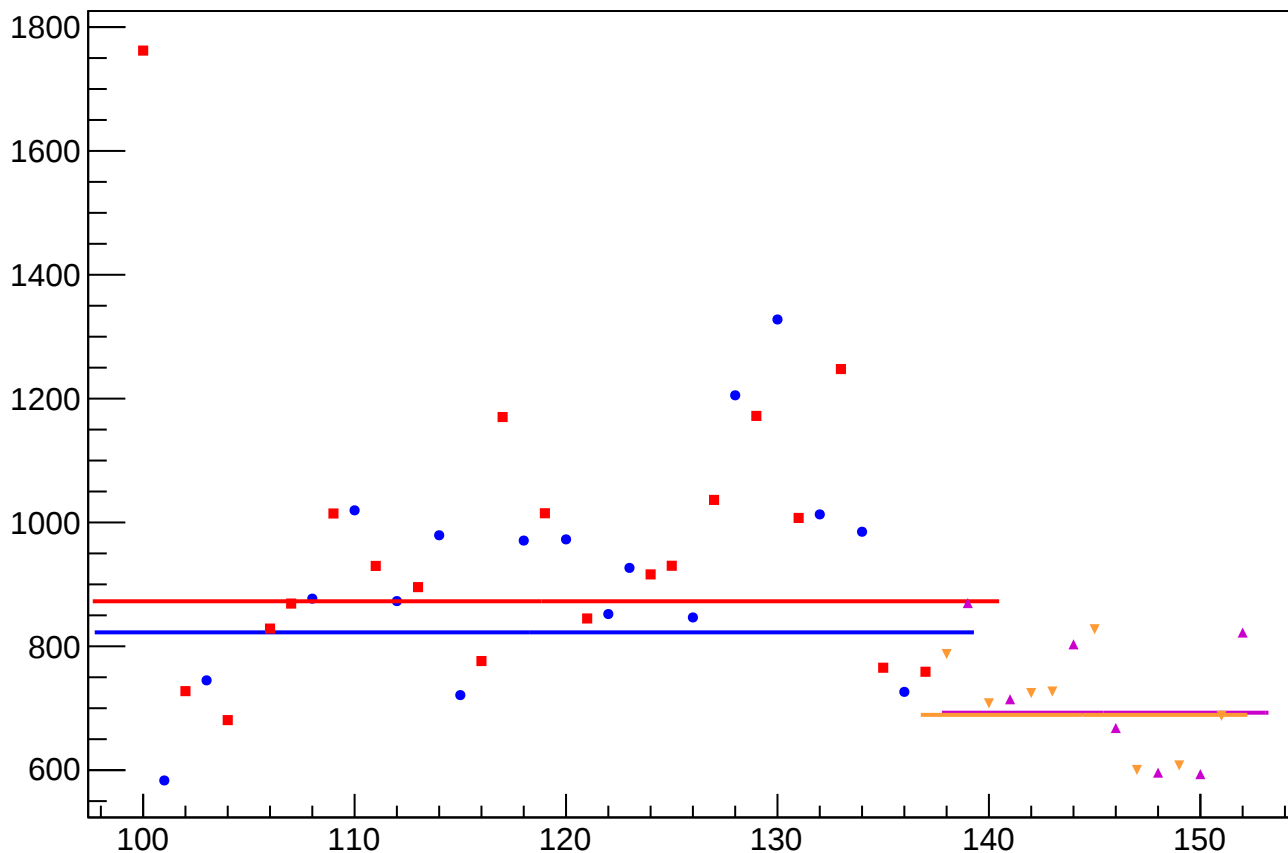
Left In: 167.124+/-292.679 χ^2/NDF : 6.6/6

392.117+/-217.016 χ^2/NDF : 24.7/24

116.716+/-154.323 χ^2/NDF : 53.4/51

-165.017+/-219.497 χ^2/NDF : 25.4/26

asym_right_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 689.294+/-0.205 χ^2/NDF : 134937.3/7

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

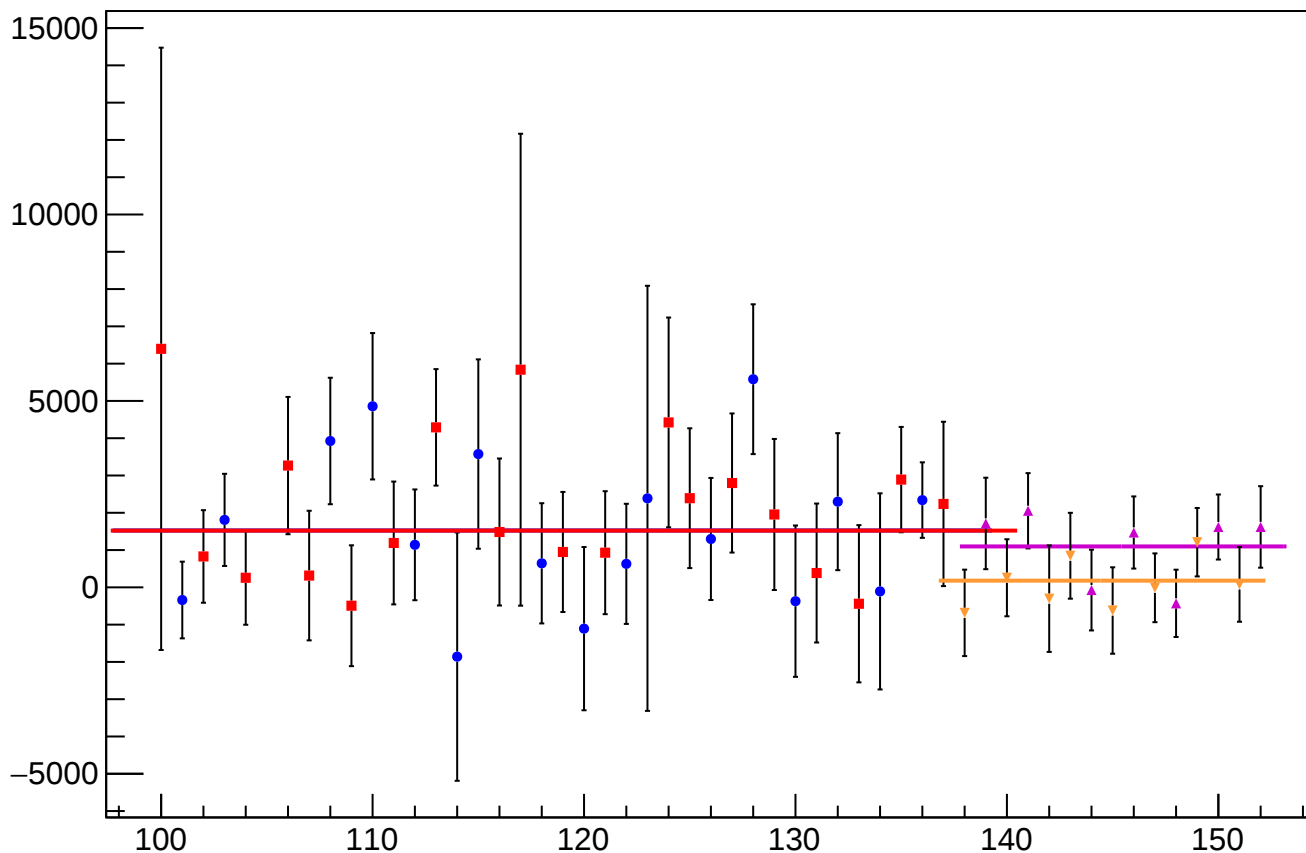
Left In: 692.770+/-0.207 χ^2/NDF : 227659.6/6

747.765+/-0.153 χ^2/NDF : 921529.8/24

759.502+/-0.109 χ^2/NDF : 1904323.3/51

771.509+/-0.155 χ^2/NDF : 970958.9/26

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

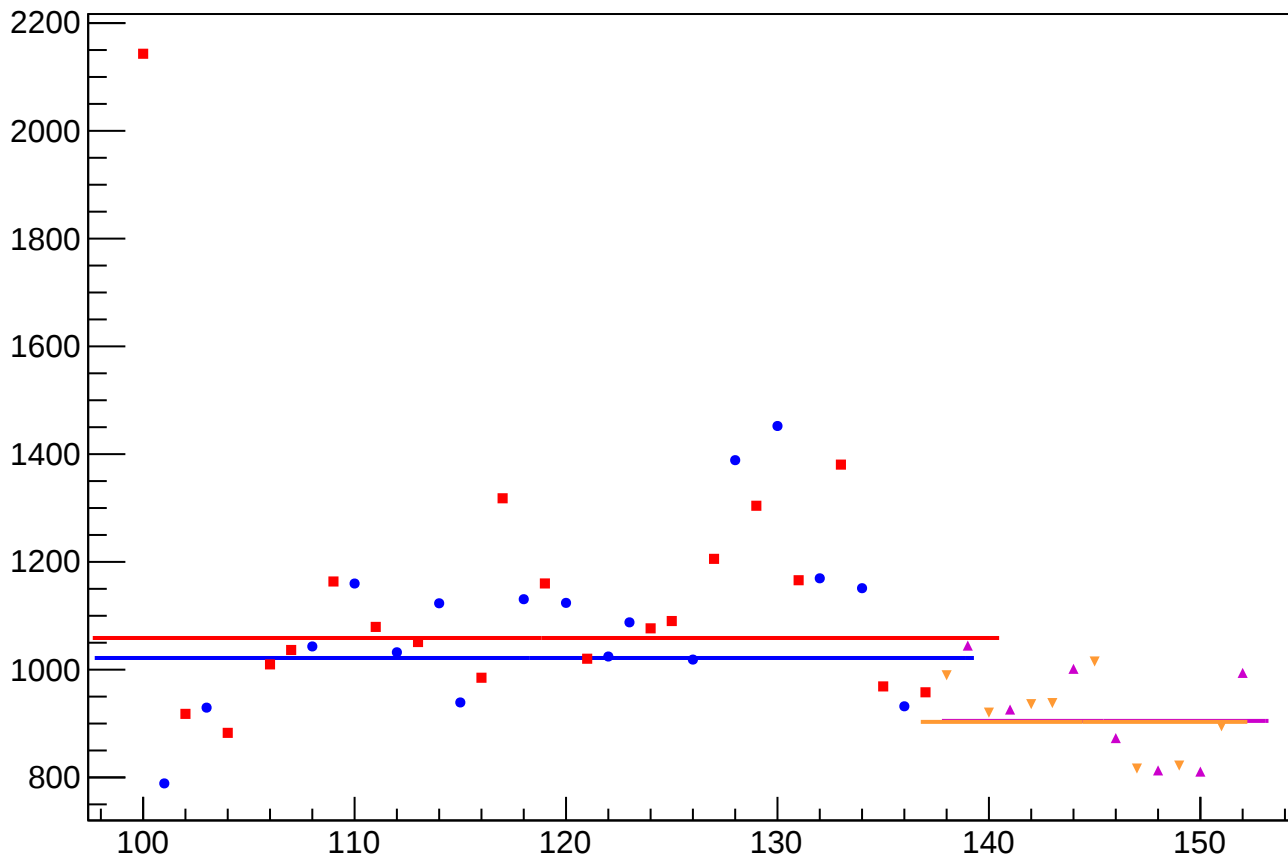
Left In: 1097.566 $\pm$ 379.462 χ^2 /NDF: 5.9/6

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

1054.500 $\pm$ 194.462 χ^2 /NDF: 47.7/51

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

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

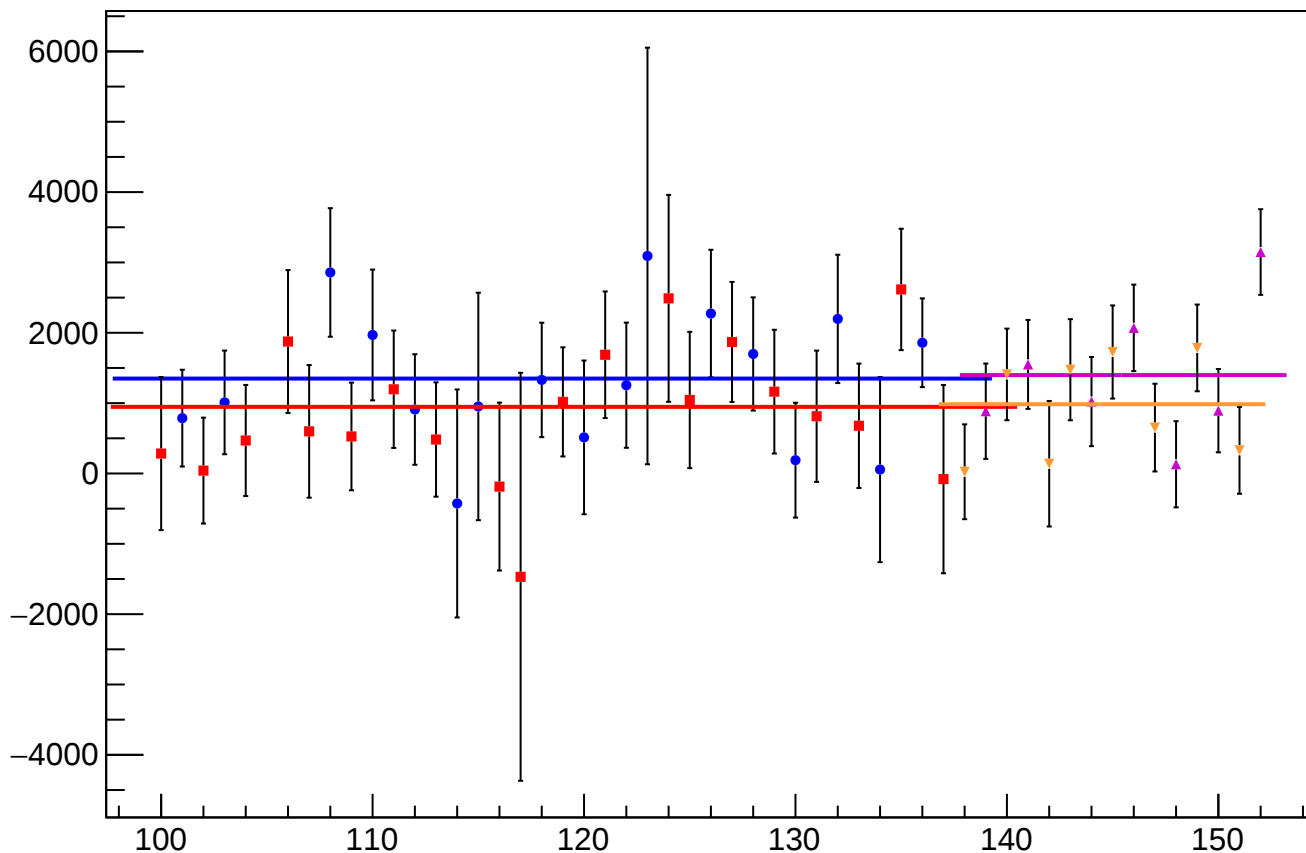
Left In: 904.904 +/- 0.268 χ^2/NDF : 102222.9/6

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

968.298 +/- 0.138 χ^2/NDF : 988789.4/51

977.954 +/- 0.194 χ^2/NDF : 492669.1/26

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

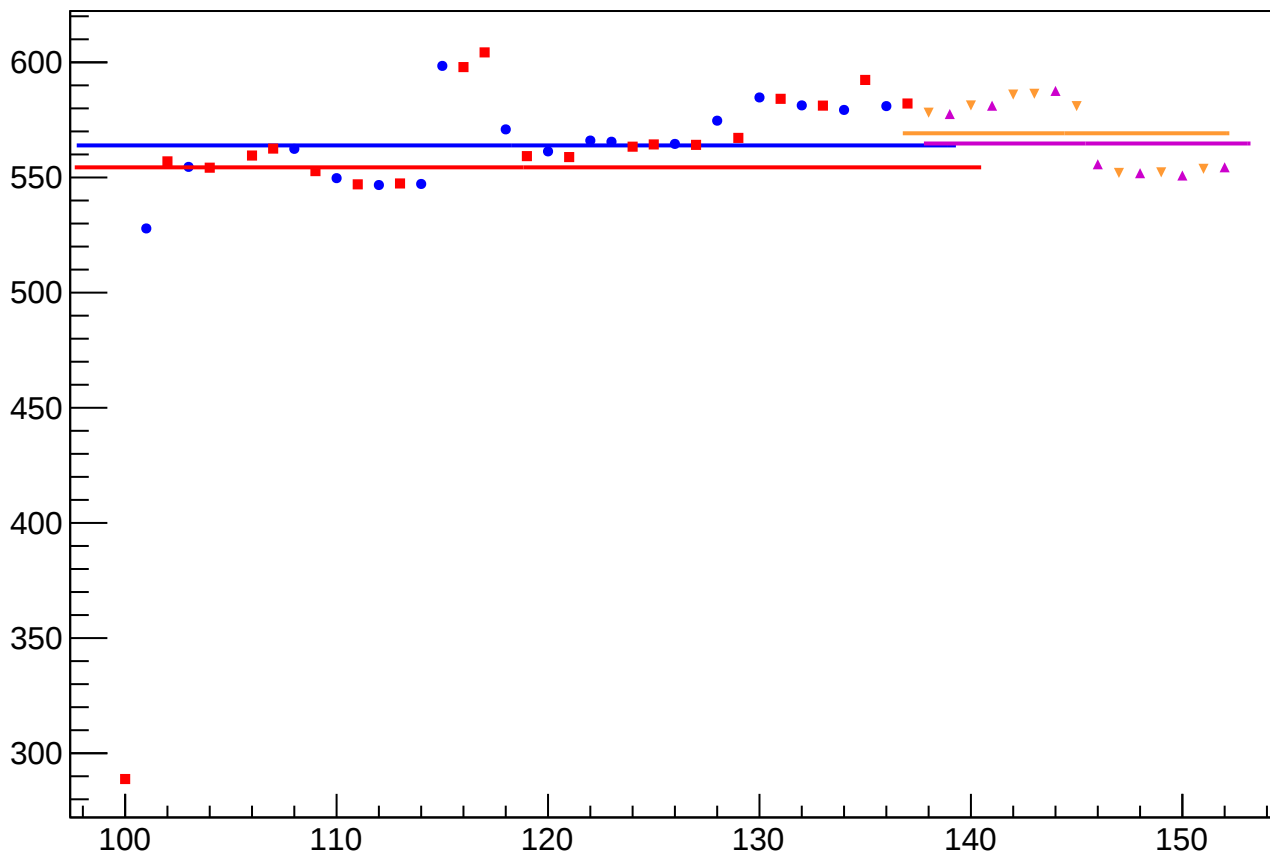
Left In: 1398.659+/-235.557 χ^2/NDF : 15.4/6

1181.439+/-160.480 χ^2/NDF : 21.7/24

1162.411+/-111.767 χ^2/NDF : 52.2/51

1144.487+/-155.750 χ^2/NDF : 30.5/26

reg_asym_right_dd_rms vs Slug, Sign Corrected



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

Left Out: 569.193 ± 0.167 χ^2/NDF : 7810.5/7

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

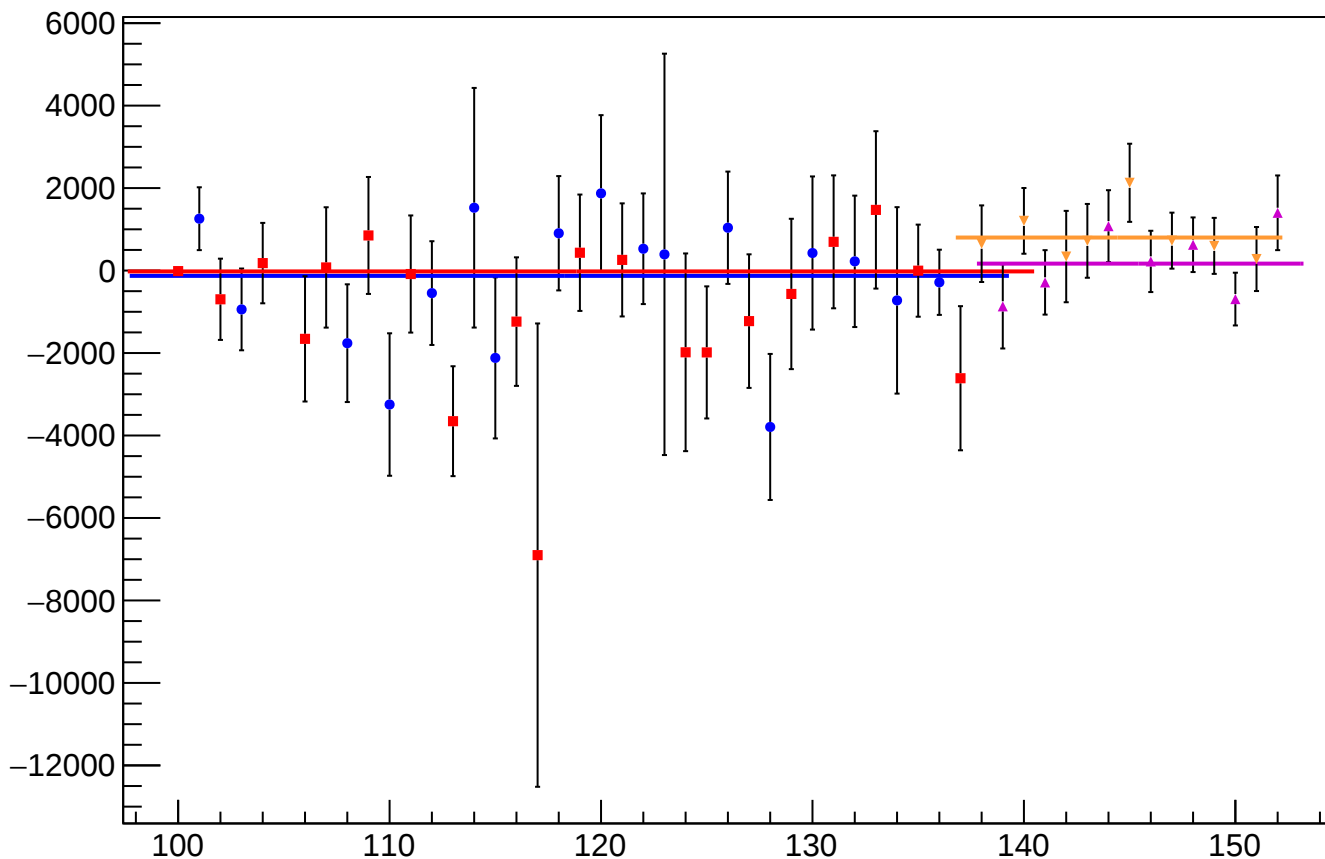
Left In: 564.758 ± 0.167 χ^2/NDF : 7647.4/6

566.346 ± 0.113 χ^2/NDF : 21009.4/24

562.527 ± 0.079 χ^2/NDF : 165592.9/51

558.929 ± 0.110 χ^2/NDF : 142383.7/26

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

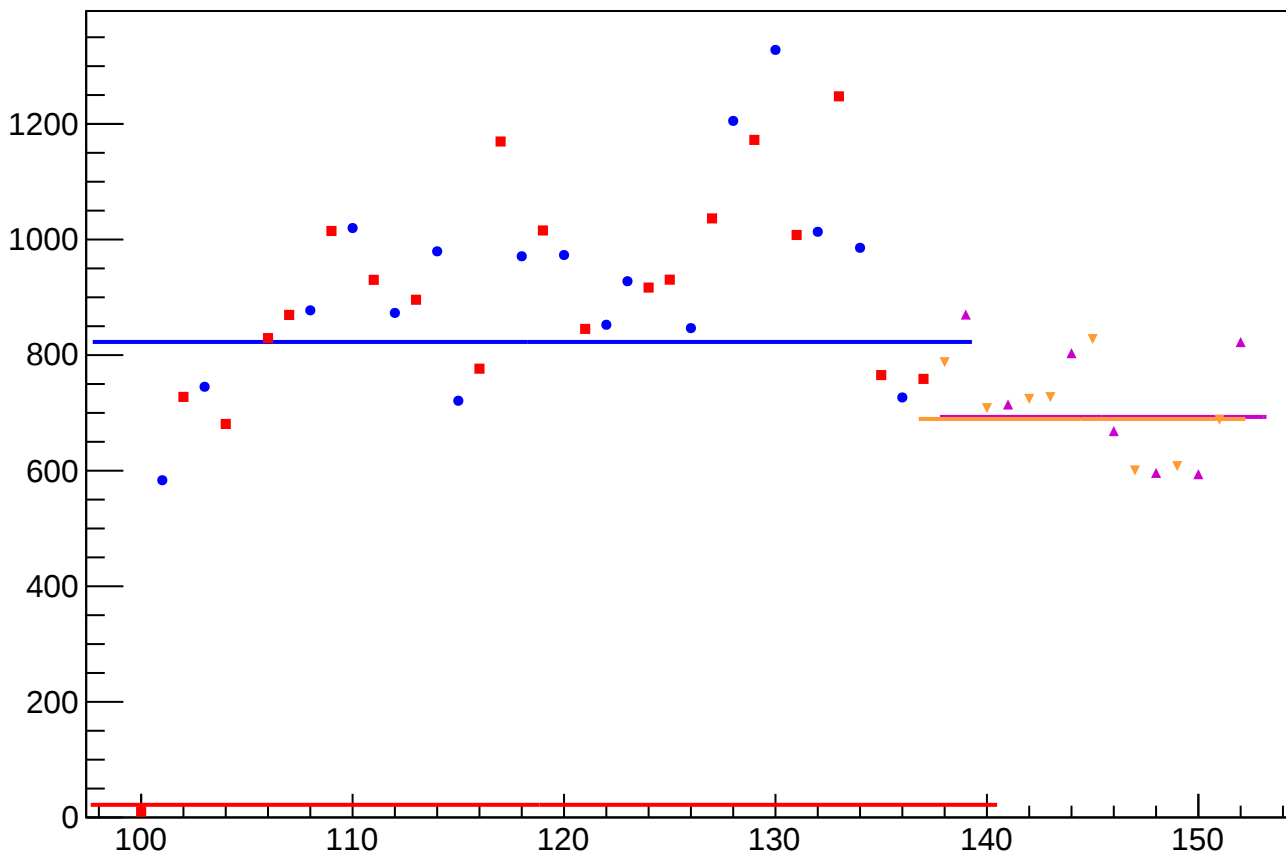
Left In: 168.053+/-292.806 χ^2/NDF : 6.6/6

392.829+/-217.090 χ^2/NDF : 24.7/24

-4.851+/-38.016 χ^2/NDF : 52.8/51

-17.432+/-38.613 χ^2/NDF : 24.6/26

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

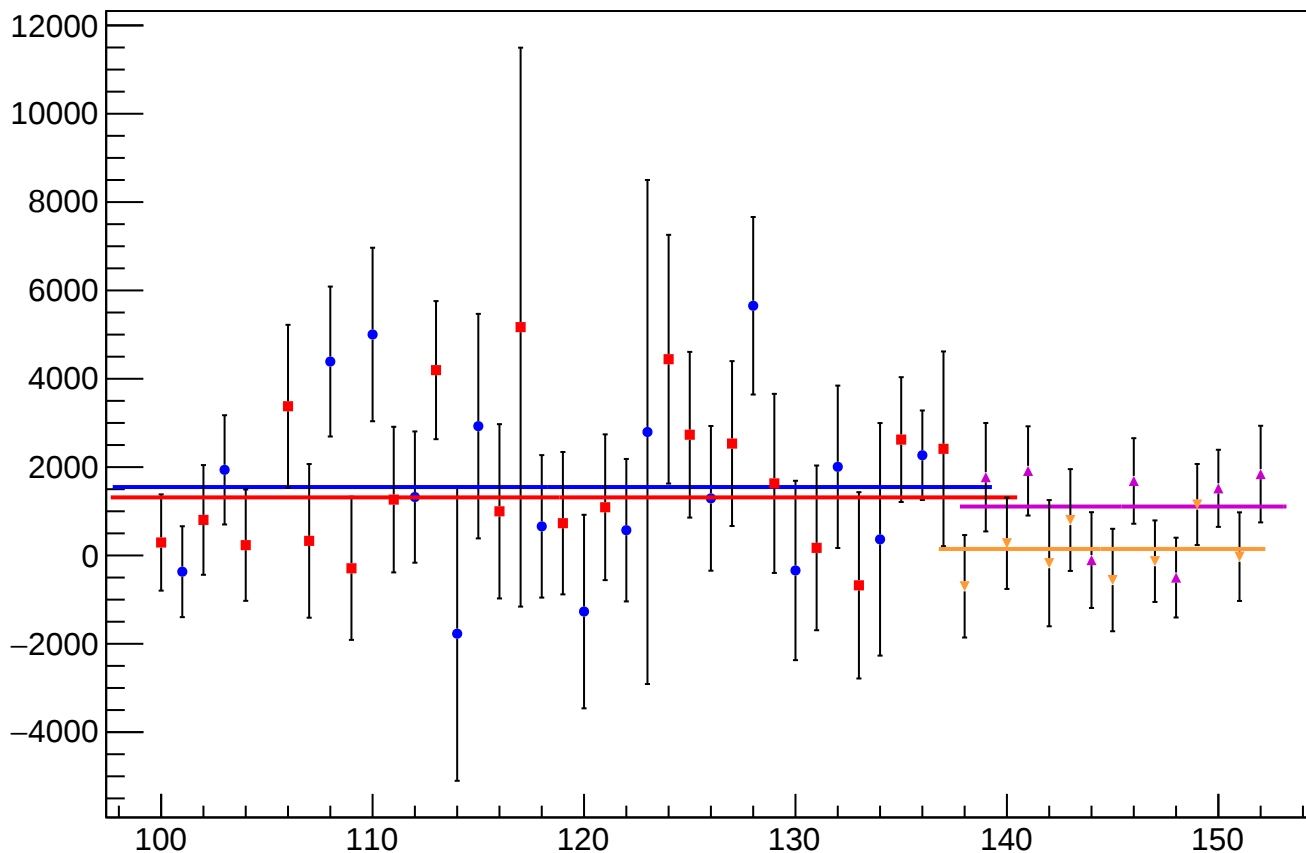
Left In: 693.078 +/- 0.207 χ^2/NDF : 227425.6/6

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

55.451 +/- 0.027 χ^2/NDF : 46081986.3/51

33.540 +/- 0.027 χ^2/NDF : 24161414.3/26

asym_right_dd_mean vs Slug, Sign Corrected



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

Left Out: 147.166 $\pm$ 377.434 χ^2/NDF : 2.6/7

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

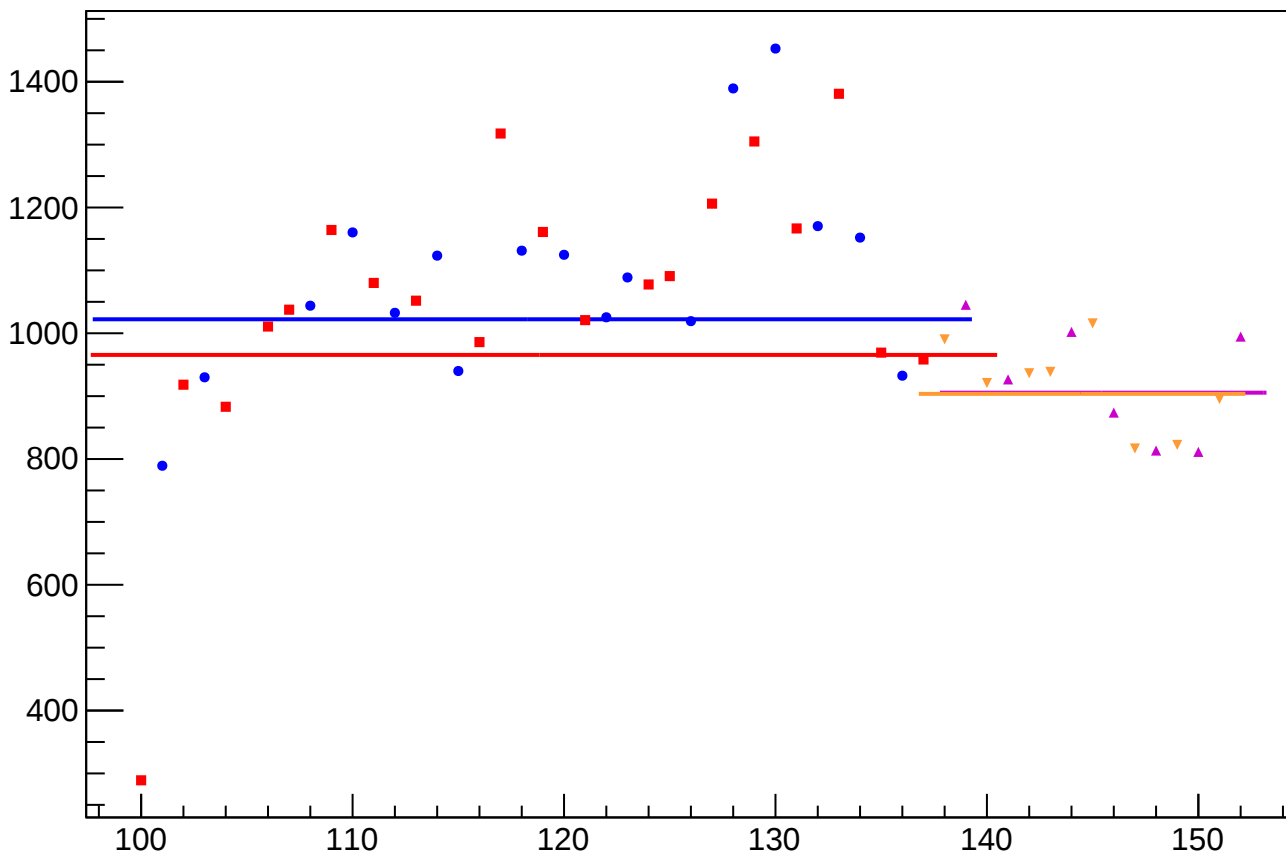
Left In: 1107.613 $\pm$ 379.719 χ^2/NDF : 6.4/6

803.870 $\pm$ 275.164 χ^2/NDF : 28.0/24

1014.256 $\pm$ 191.602 χ^2/NDF : 48.6/51

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

asym_right_dd_rms vs Slug, Sign Corrected



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

Left Out: 903.638 $\pm$ 0.267 χ^2 /NDF: 66753.8/7

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

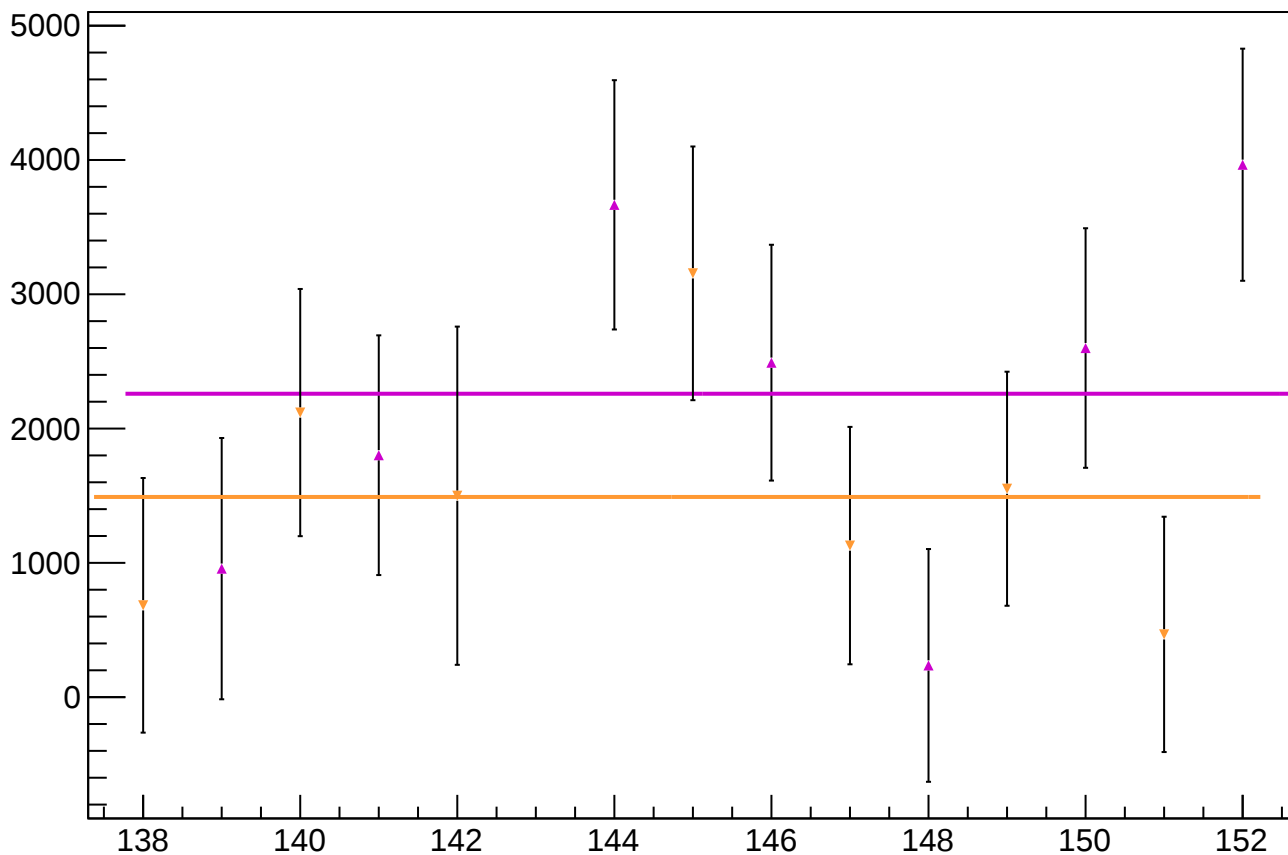
Left In: 905.520 $\pm$ 0.269 χ^2 /NDF: 102213.1/6

959.204 $\pm$ 0.195 χ^2 /NDF: 491144.4/24

947.195 $\pm$ 0.135 χ^2 /NDF: 1699549.3/51

935.892 $\pm$ 0.189 χ^2 /NDF: 1201009.9/26

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

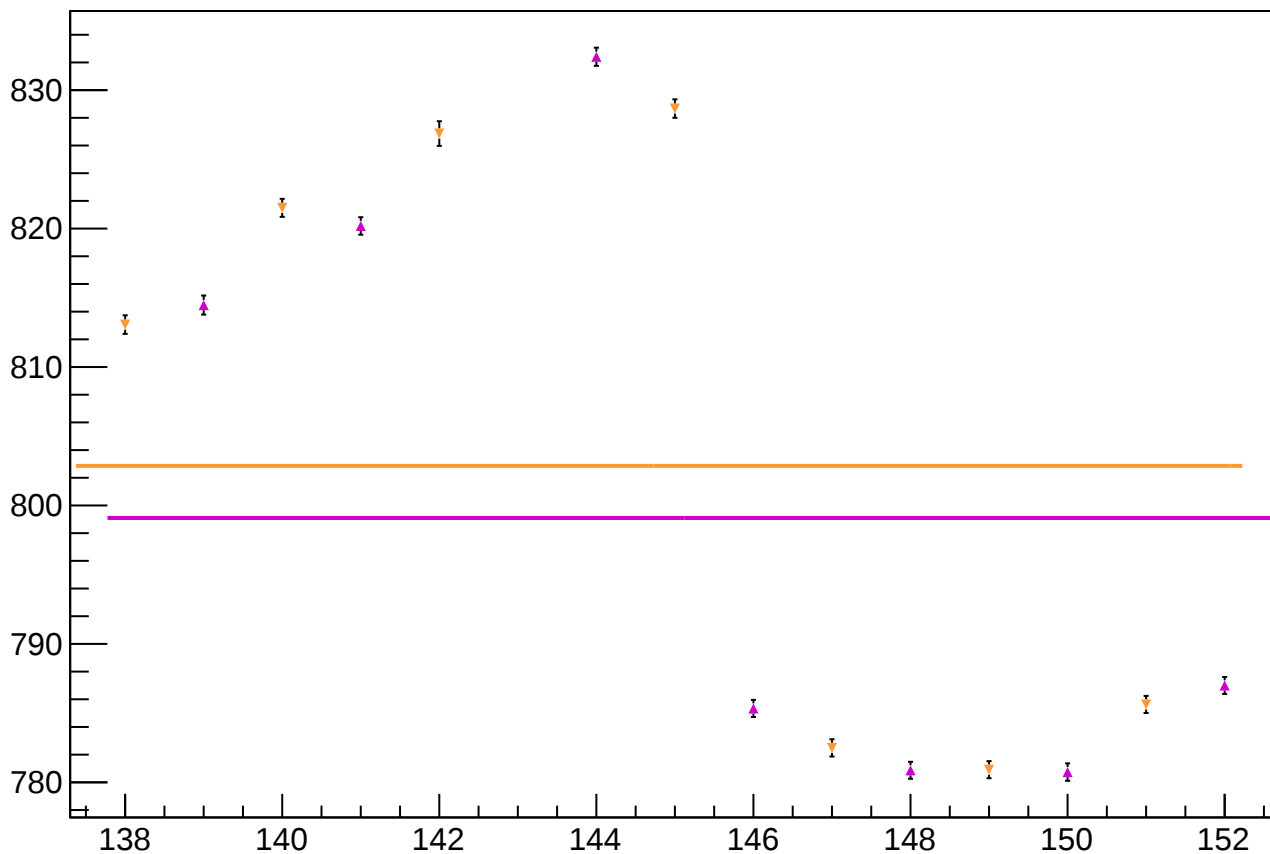
Left In: 2259.363+/-339.084 χ^2/NDF : 13.9/6

1490.754+/-354.804 χ^2/NDF : 5.8/6

1892.462+/-245.138 χ^2/NDF : 22.2/13

2259.363+/-339.084 χ^2/NDF : 13.9/6

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

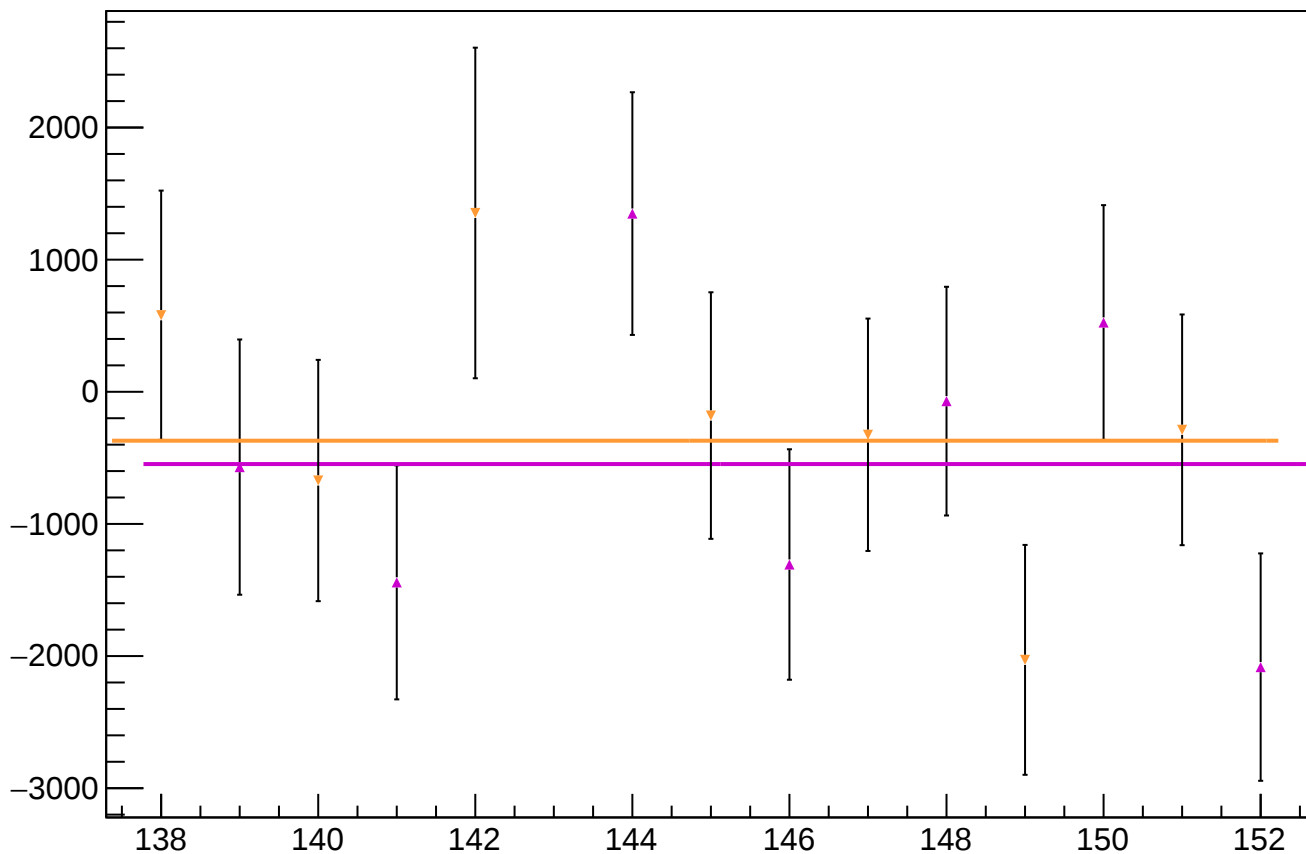
Left In: 799.098+/-0.240 χ^2/NDF : 6808.1/6

802.860+/-0.251 χ^2/NDF : 6376.0/6

800.894+/-0.173 χ^2/NDF : 13301.6/13

799.098+/-0.240 χ^2/NDF : 6808.1/6

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

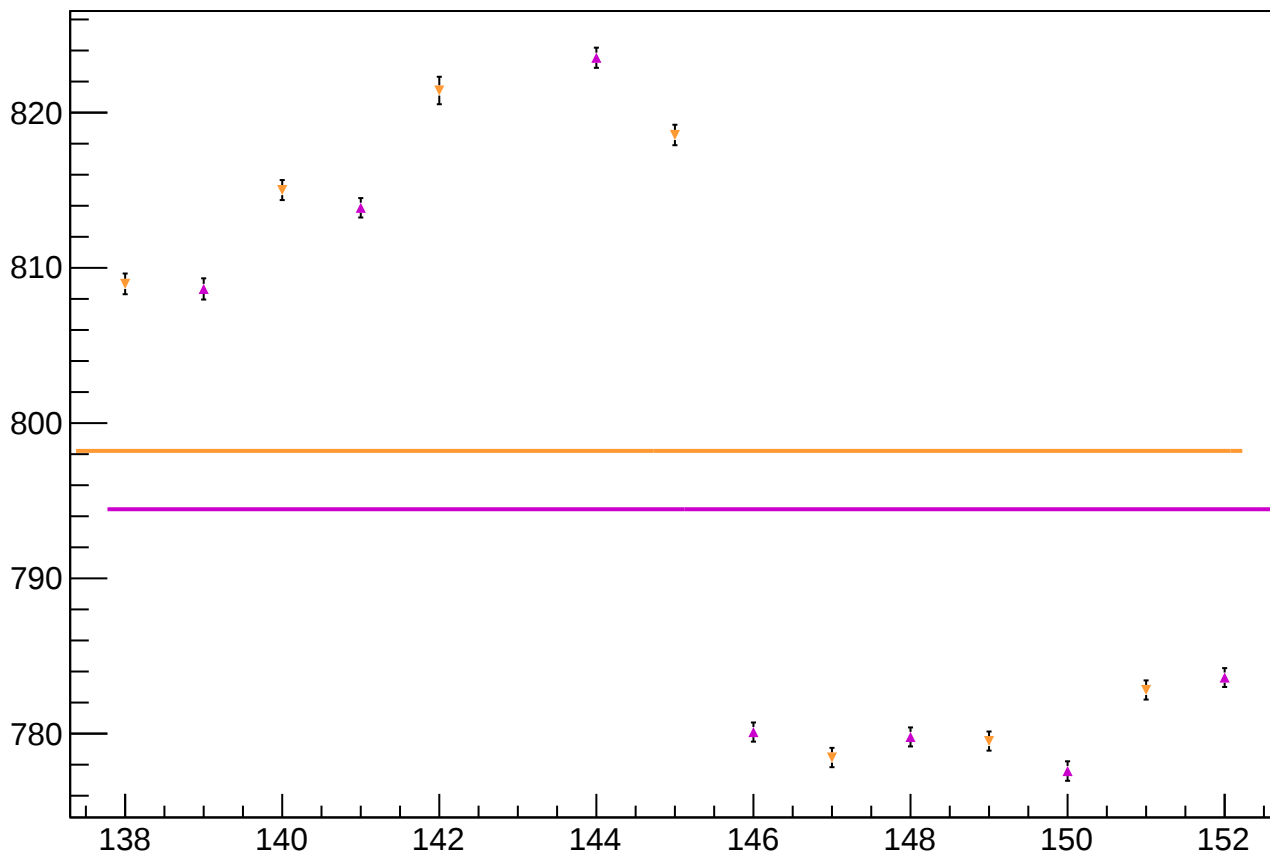
Left In: -546.911+/-337.083 χ^2/NDF : 11.0/6

-370.134+/-352.718 χ^2/NDF : 6.7/6

-462.528+/-243.694 χ^2/NDF : 17.8/13

-546.911+/-337.083 χ^2/NDF : 11.0/6

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

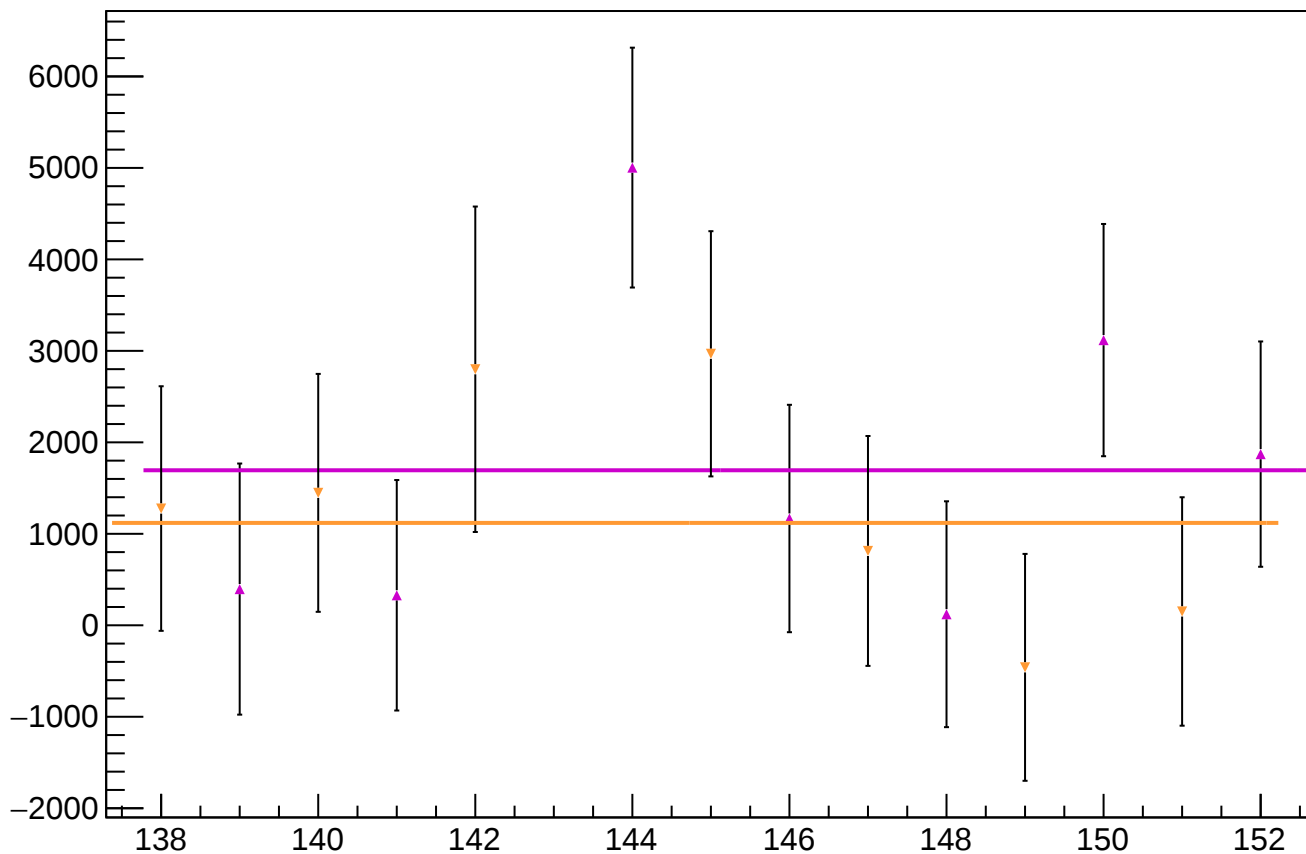
Left In: 794.452+/-0.238 χ^2/NDF : 5553.4/6

798.211+/-0.249 χ^2/NDF : 5131.9/6

796.247+/-0.172 χ^2/NDF : 10804.0/13

794.452+/-0.238 χ^2/NDF : 5553.4/6

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

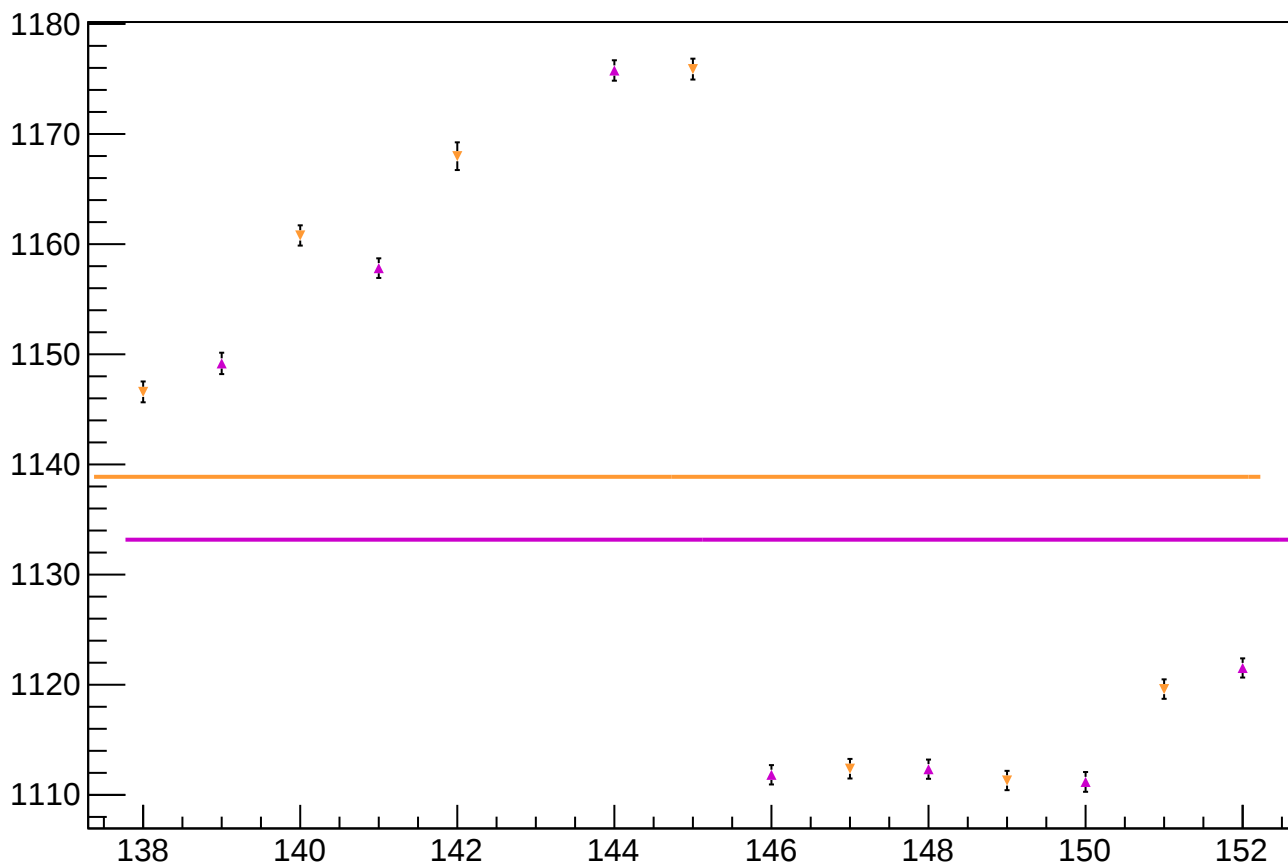
Left In: 1694.687+/-480.796 χ^2/NDF : 11.5/6

1119.299+/-503.255 χ^2/NDF : 5.2/6

1420.118+/-347.643 χ^2/NDF : 17.4/13

1694.687+/-480.796 χ^2/NDF : 11.5/6

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

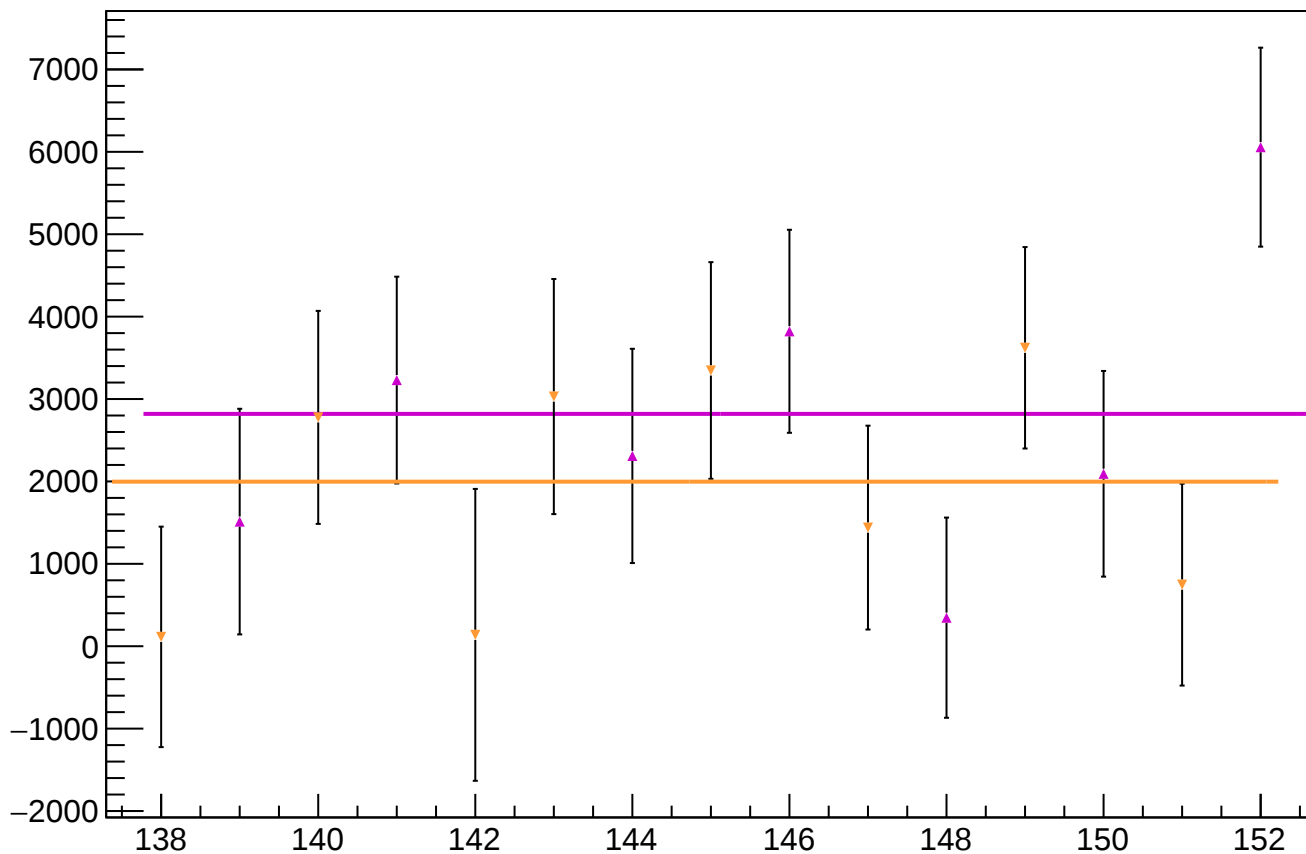
Left In: 1133.169+/-0.340 χ^2/NDF : 5087.4/6

1138.878+/-0.356 χ^2/NDF : 5049.5/6

1135.893+/-0.246 χ^2/NDF : 10271.5/13

1133.169+/-0.340 χ^2/NDF : 5087.4/6

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

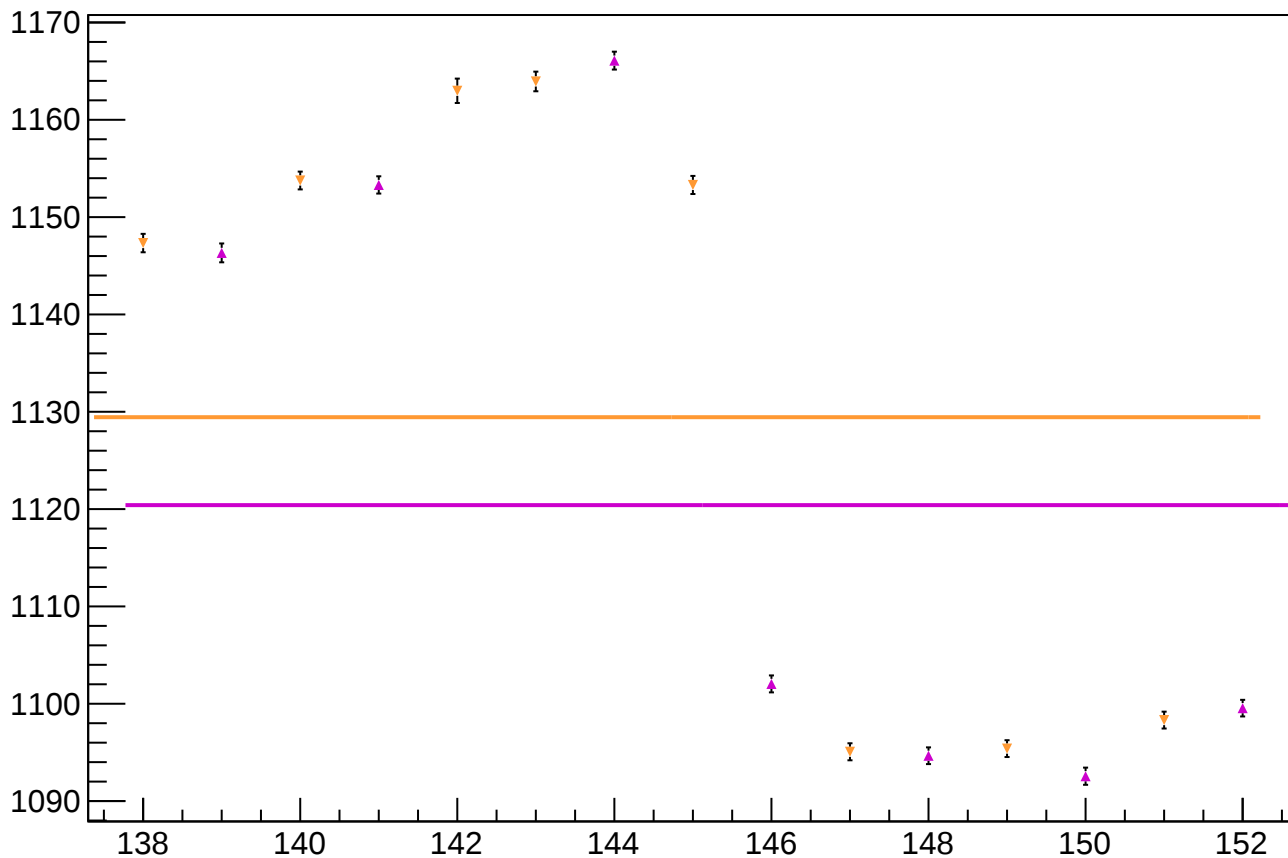
Left In: 2819.675+/-475.433 χ^2/NDF : 13.5/6

1997.063+/-469.576 χ^2/NDF : 8.0/7

2403.271+/-334.092 χ^2/NDF : 23.1/14

2819.675+/-475.433 χ^2/NDF : 13.5/6

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

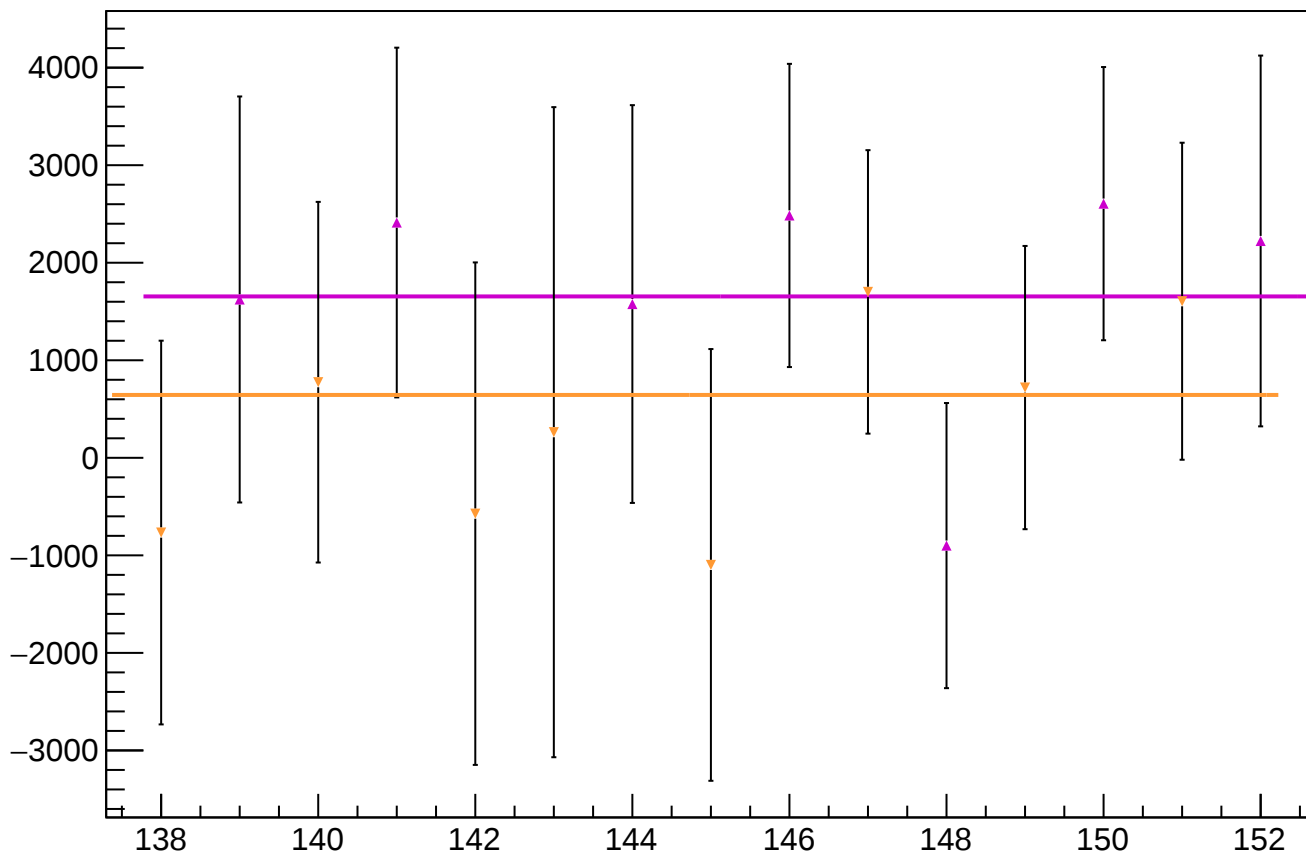
Left In: 1120.408+/-0.336 χ^2/NDF : 7495.1/6

1129.442+/-0.332 χ^2/NDF : 7999.0/7

1124.981+/-0.236 χ^2/NDF : 15859.7/14

1120.408+/-0.336 χ^2/NDF : 7495.1/6

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

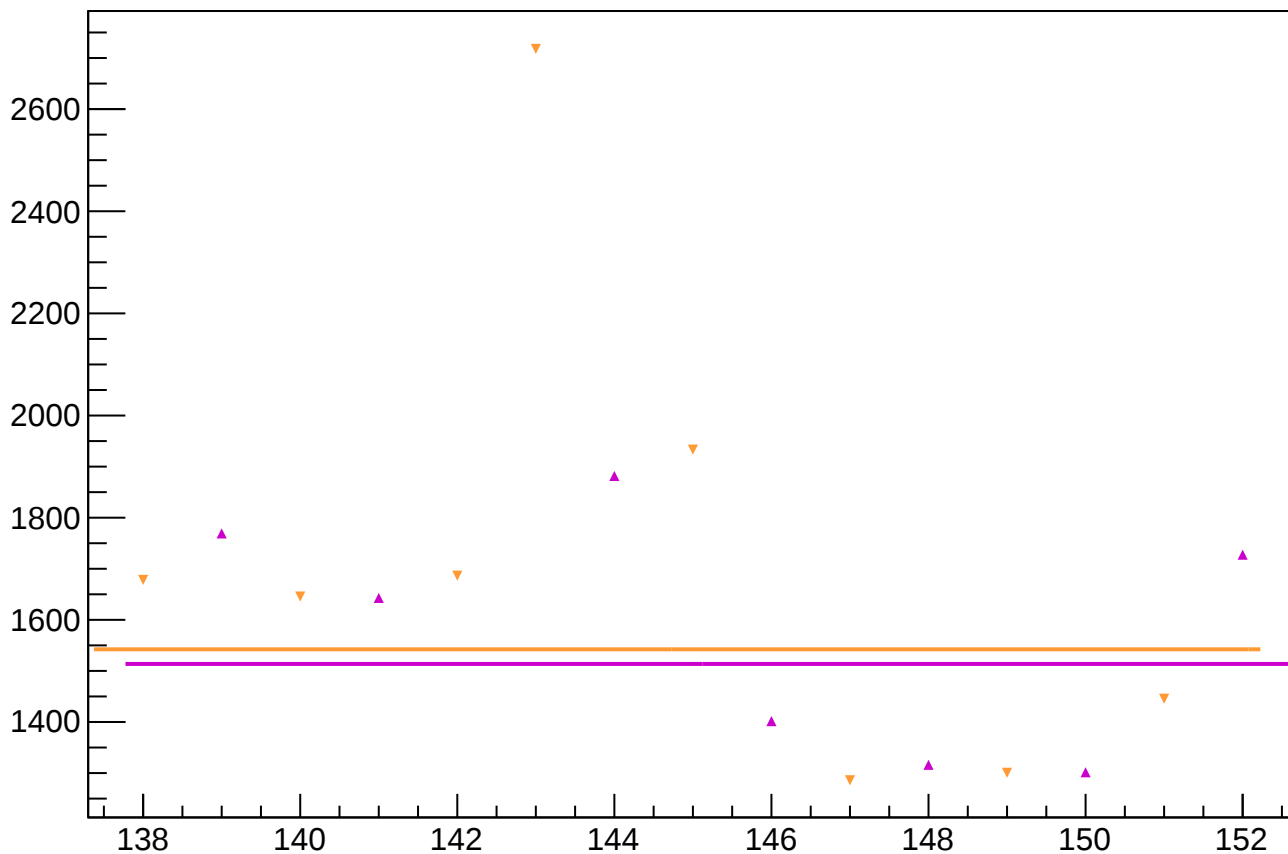
Left In: 1654.568+/-638.726 χ^2/NDF : 4.1/6

644.523+/-656.169 χ^2/NDF : 2.3/7

1163.149+/-457.690 χ^2/NDF : 7.5/14

1654.568+/-638.726 χ^2/NDF : 4.1/6

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

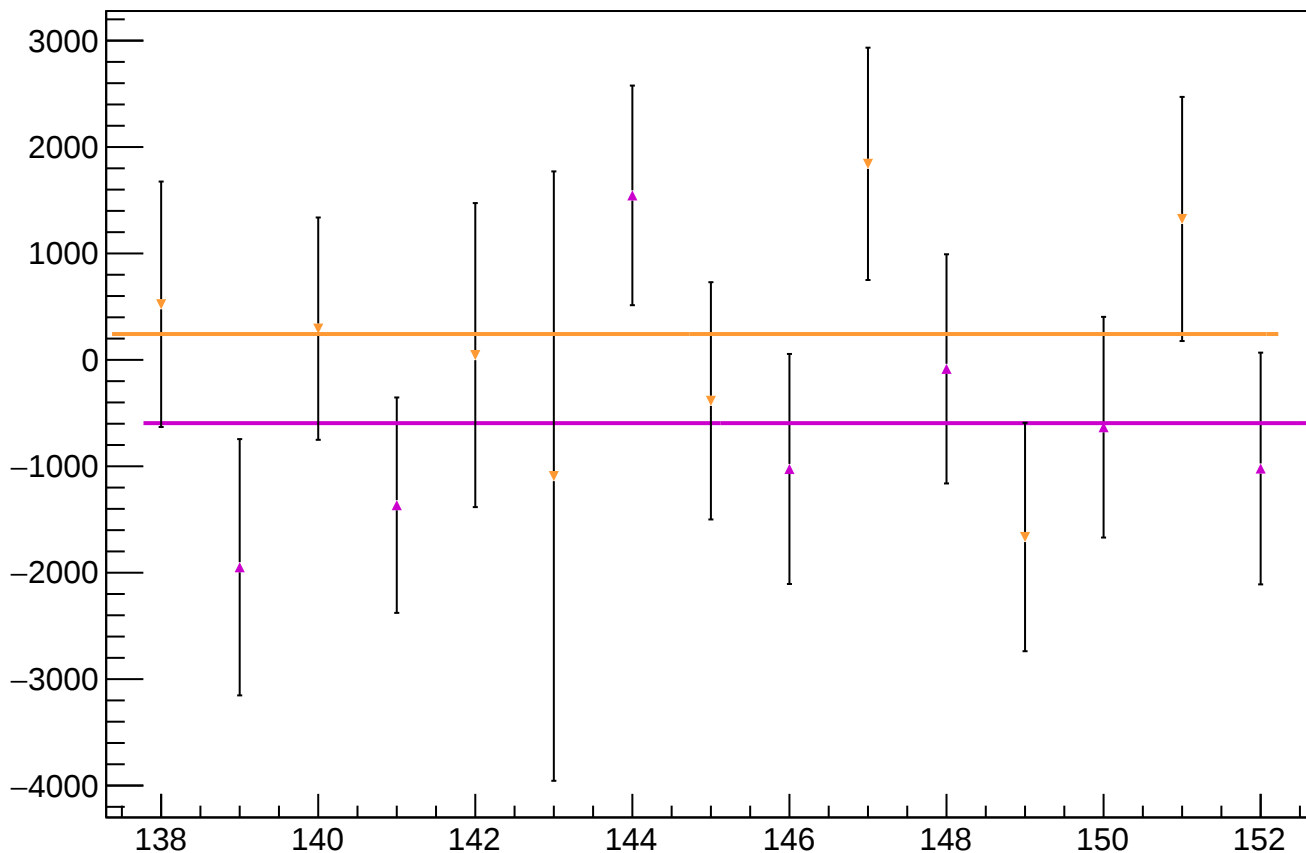
Left In: 1513.679+/-0.452 χ^2/NDF : 223809.6/6

1542.301+/-0.464 χ^2/NDF : 458167.0/7

1527.604+/-0.324 χ^2/NDF : 683930.5/14

1513.679+/-0.452 χ^2/NDF : 223809.6/6

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

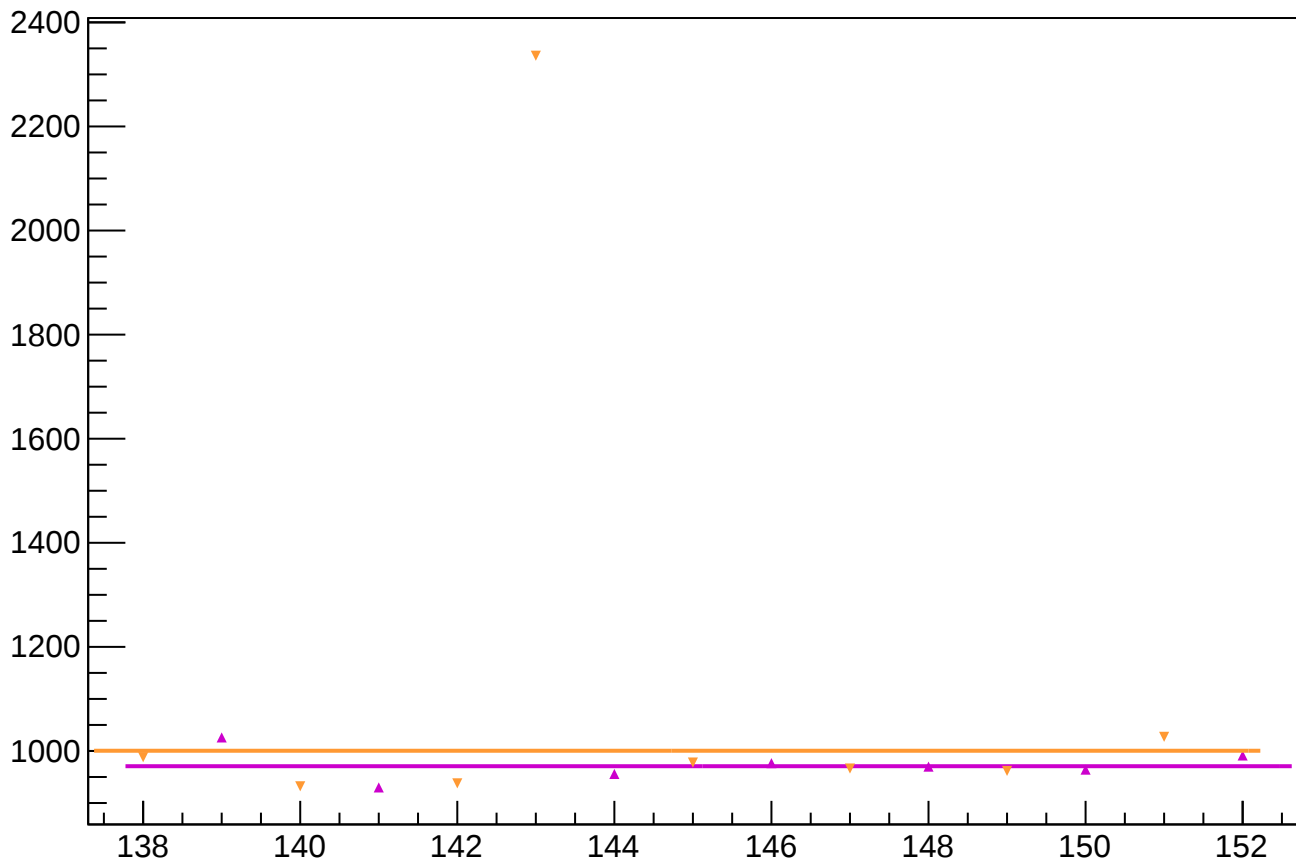
Left In: -594.508+/-404.980 χ^2/NDF : 6.7/6

242.846+/-424.378 χ^2/NDF : 6.8/7

-195.405+/-292.982 χ^2/NDF : 15.5/14

-594.508+/-404.980 χ^2/NDF : 6.7/6

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

1000.426+/-0.300 χ^2/NDF : 454223.2/7

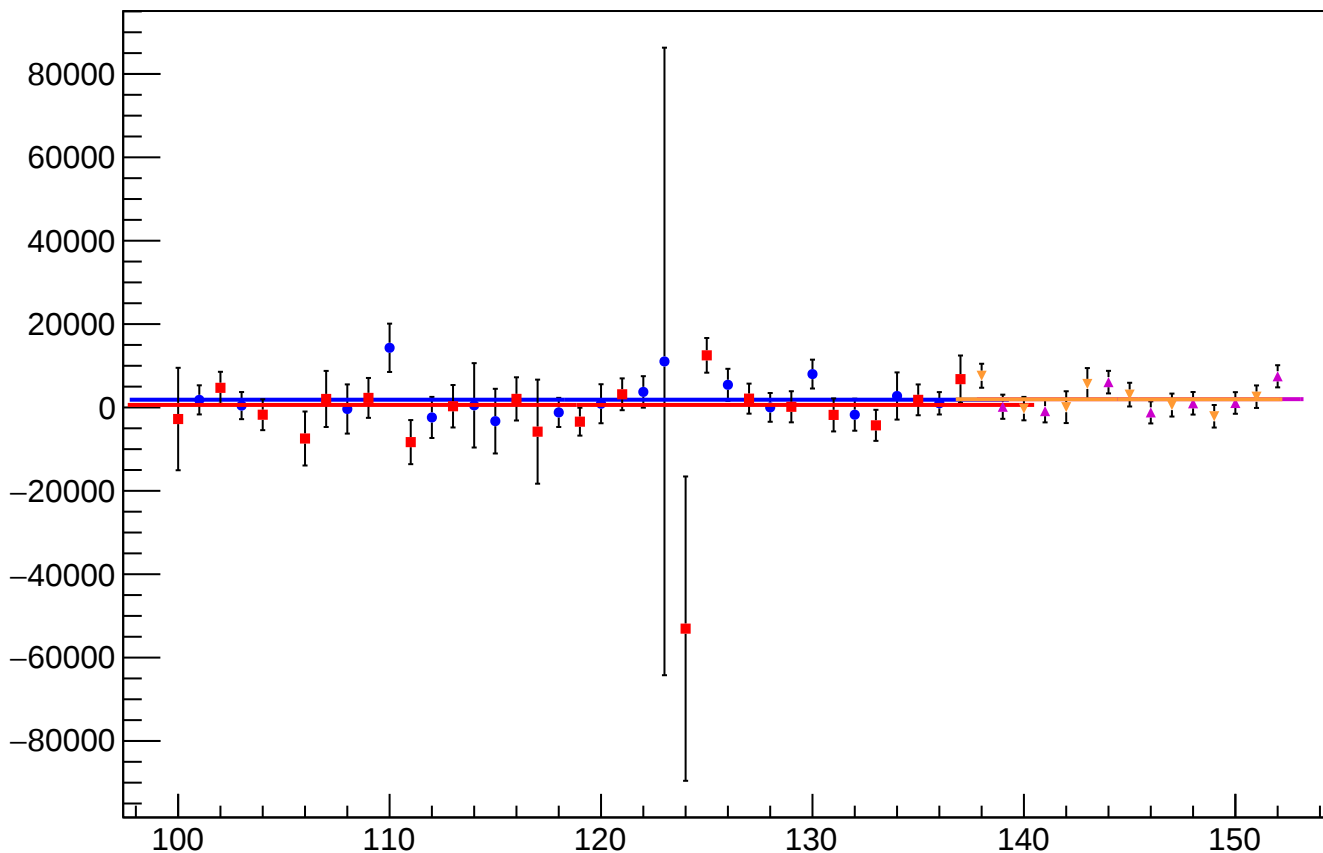
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

984.875+/-0.207 χ^2/NDF : 468089.1/14

970.714+/-0.286 χ^2/NDF : 8735.0/6

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

reg_asym_atl1_mean vs Slug, 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

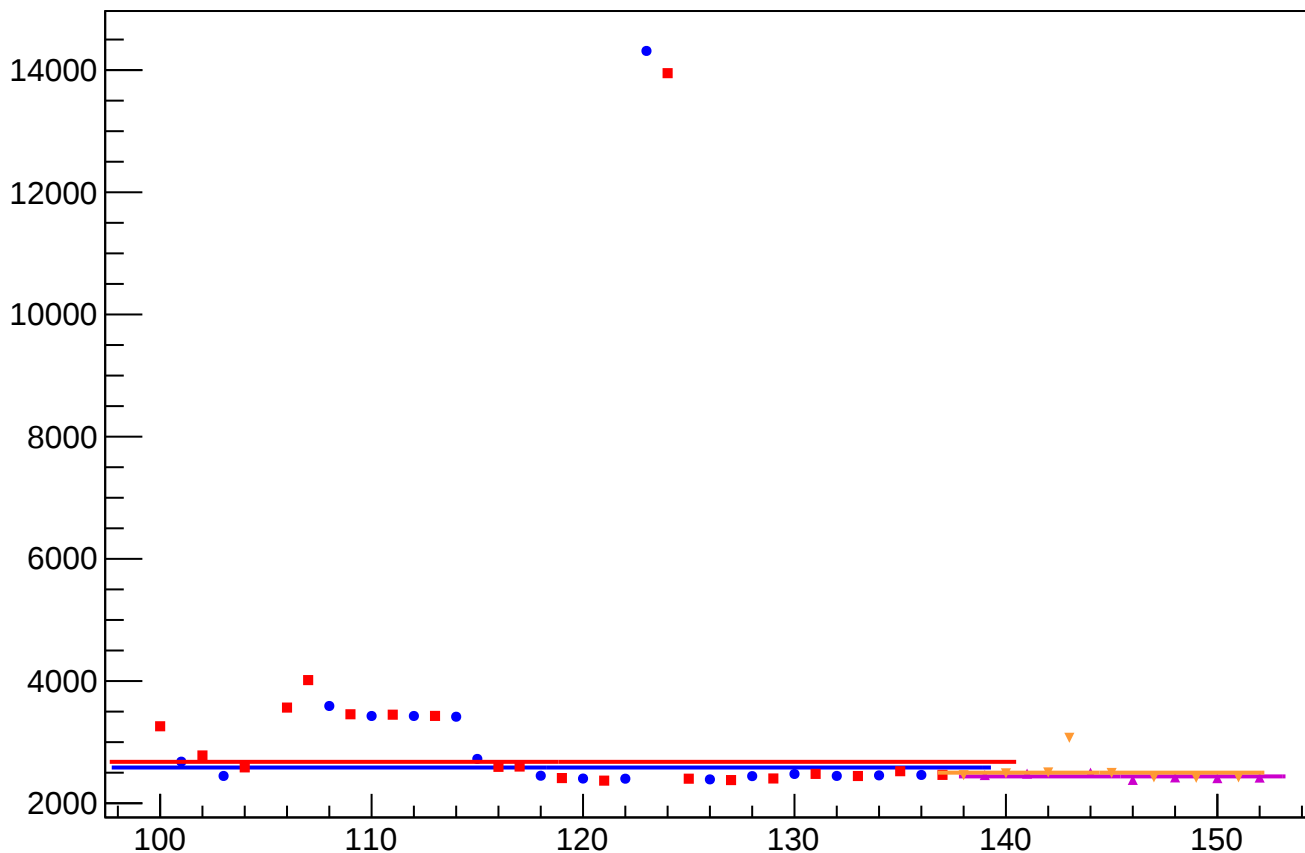
Left In: 1993.684+/-1019.845 χ^2/NDF : 9.8/6

1911.559+/-727.748 χ^2/NDF : 20.9/24

1604.428+/-512.307 χ^2/NDF : 54.3/51

1302.702+/-721.316 χ^2/NDF : 33.0/26

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

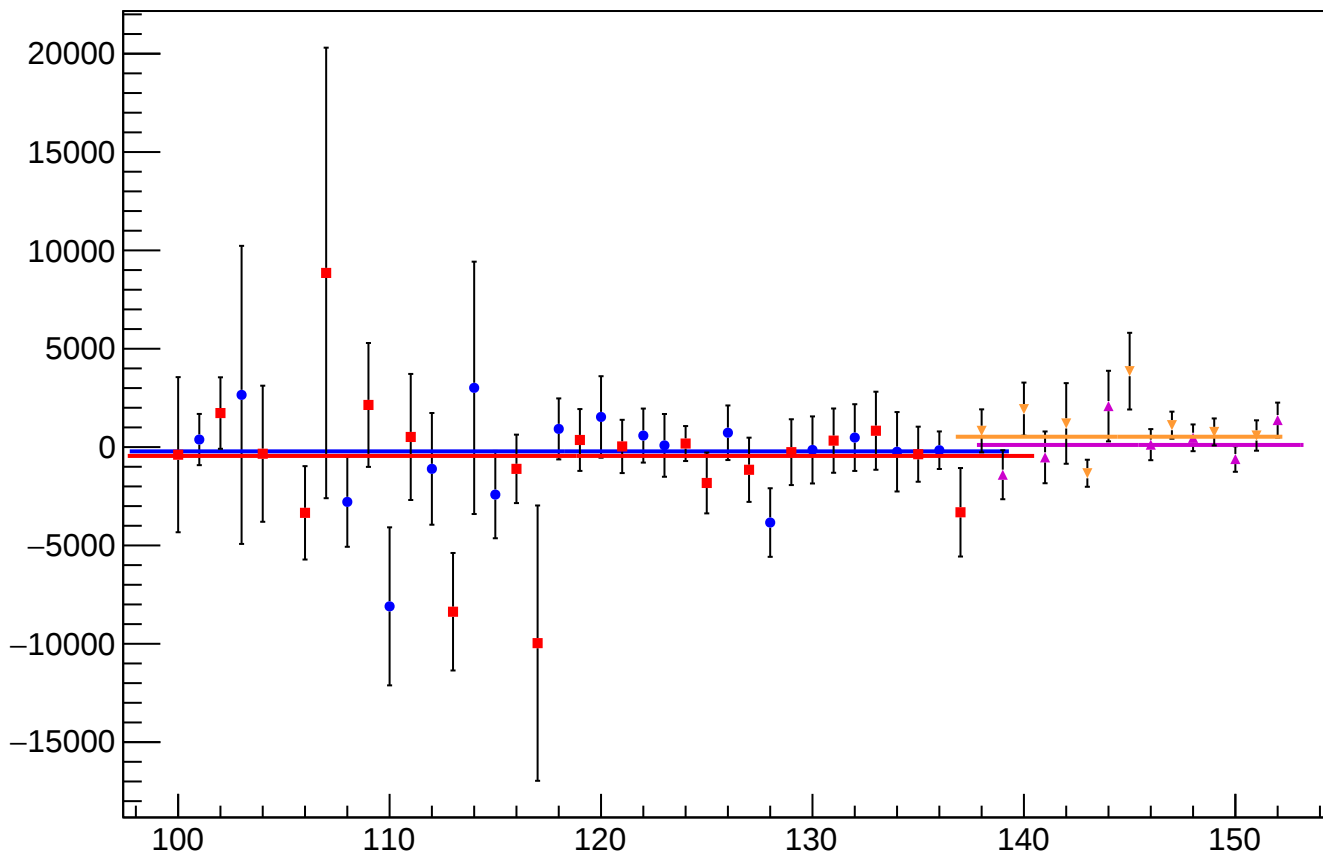
Left In: 2439.359+/-0.721 χ^2/NDF : 3070.4/6

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

2551.323+/-0.362 χ^2/NDF : 903201.9/51

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

asym_atl1_correction_mean vs Slug, Sign Corrected



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

Left Out: 526.645 ± 317.483 χ^2/NDF : 12.4/7

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

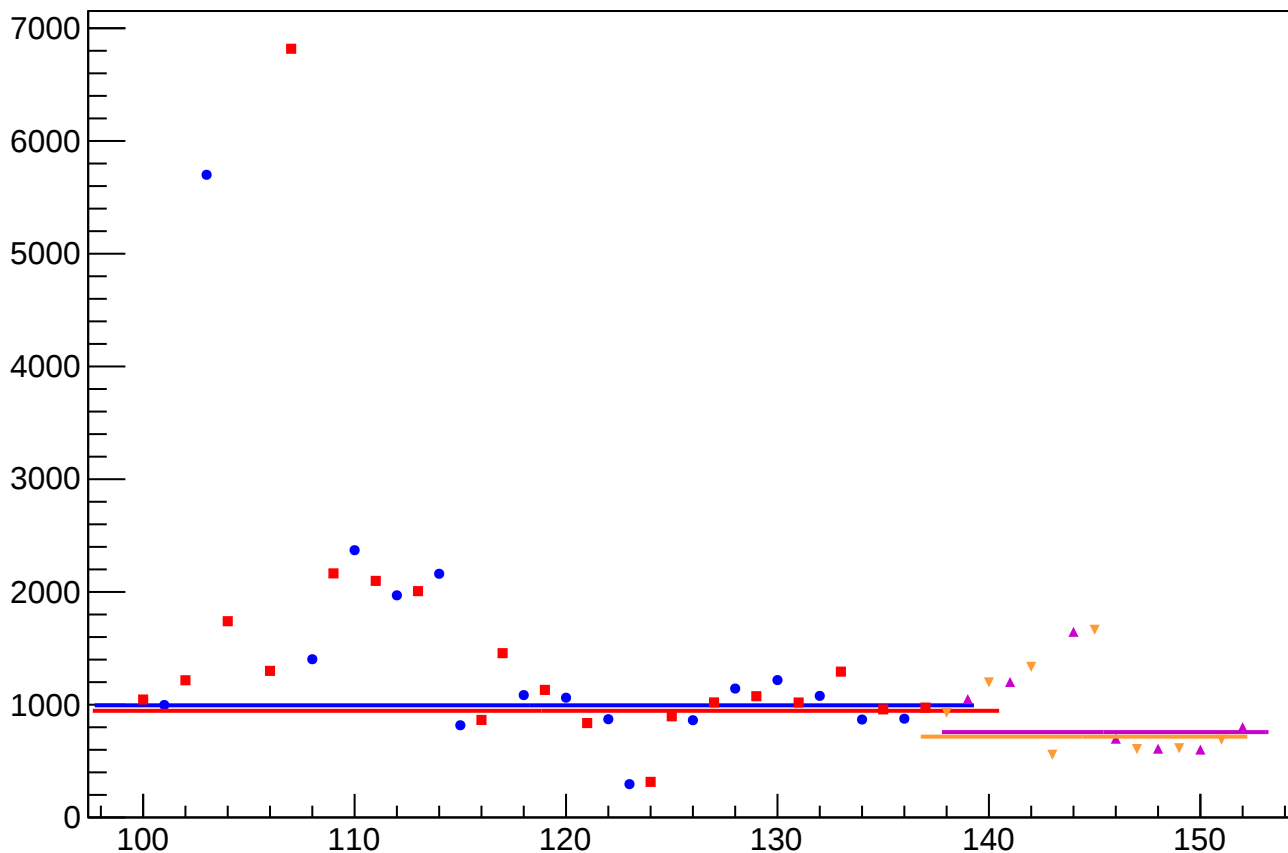
Left In: 108.936 ± 334.396 χ^2/NDF : 6.5/6

256.294 ± 253.283 χ^2/NDF : 27.7/24

74.402 ± 180.983 χ^2/NDF : 53.9/51

-115.353 ± 258.700 χ^2/NDF : 25.1/26

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

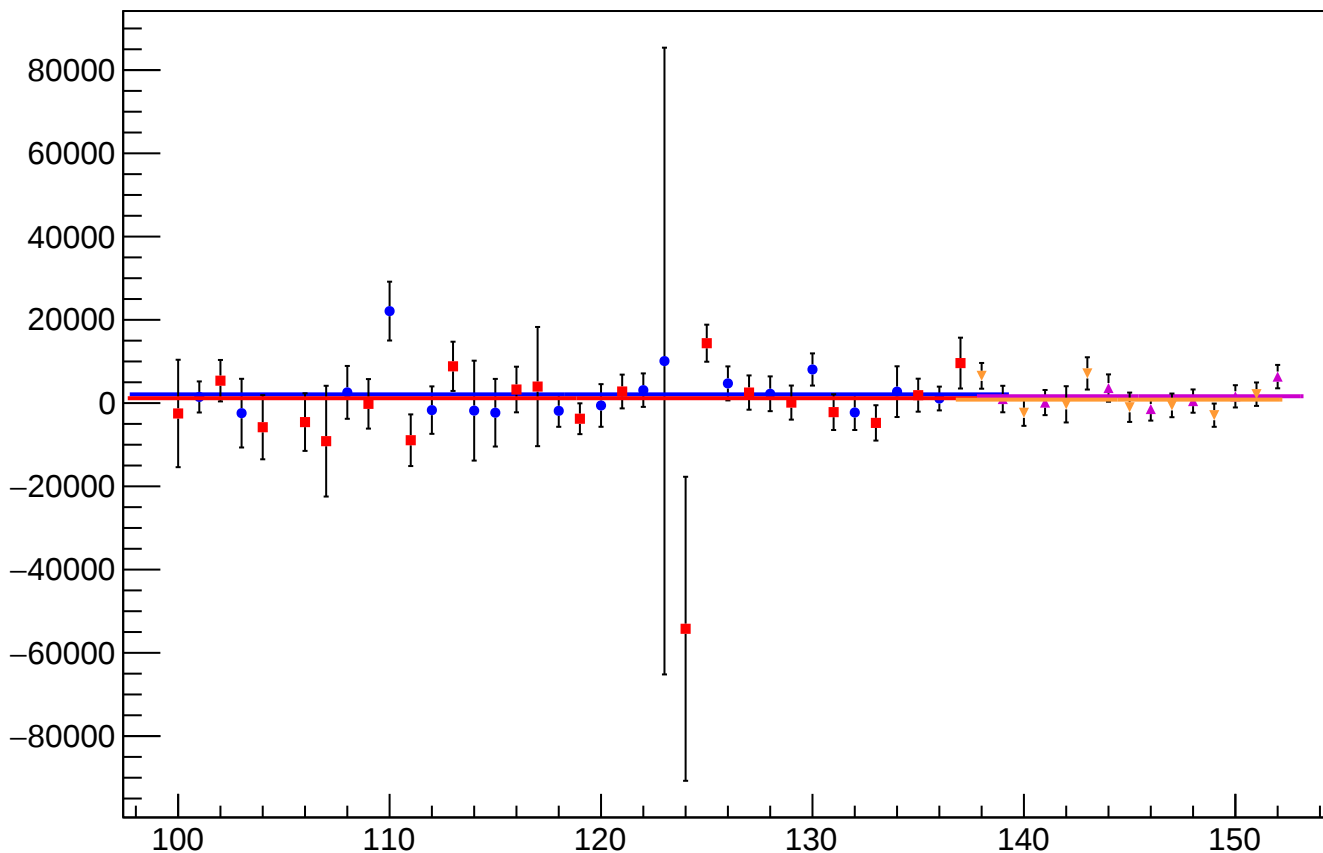
Left In: 757.078 $\pm$ 0.236 χ^2 /NDF: 1053803.0/6

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

825.156 $\pm$ 0.128 χ^2 /NDF: 7644335.4/51

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

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

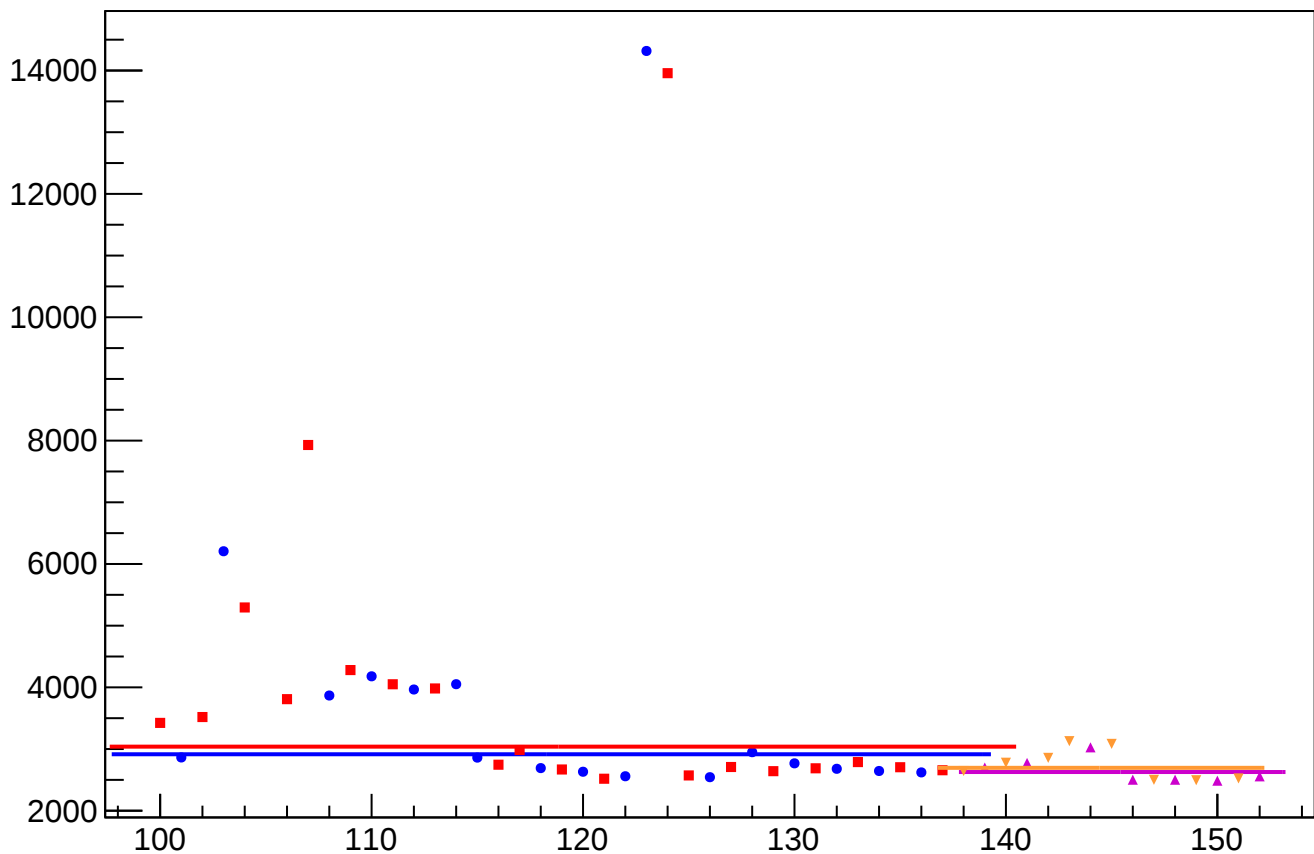
Left In: 1645.011+/-1100.915 χ^2/NDF : 4.9/6

1446.028+/-809.203 χ^2/NDF : 24.9/24

1434.553+/-571.024 χ^2/NDF : 55.0/51

1423.171+/-805.907 χ^2/NDF : 30.1/26

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 $\chi^2/\text{NDF}: 1011412.5/19$

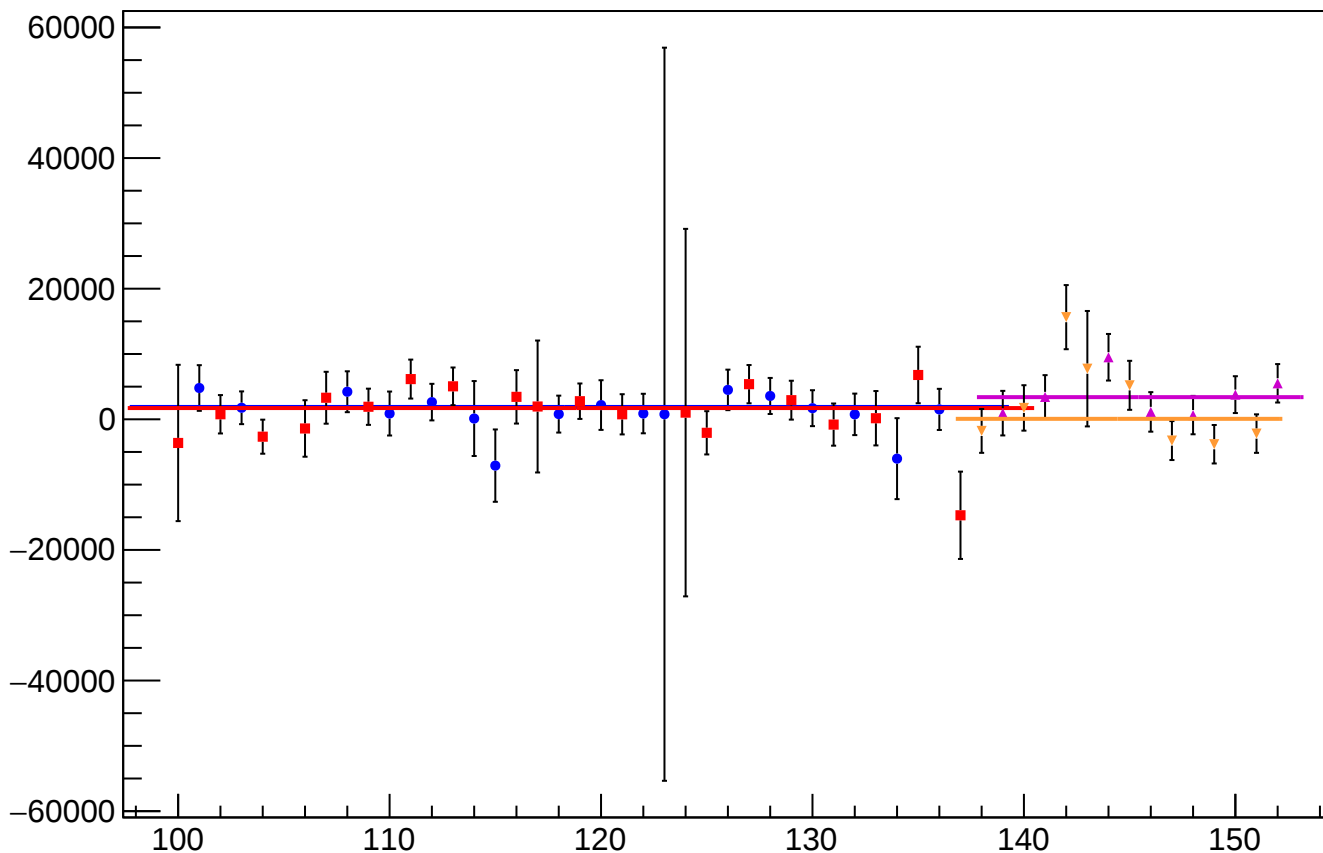
Left In: 2627.308 ± 0.778 $\chi^2/\text{NDF}: 50294.9/6$

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

2810.286 ± 0.404 $\chi^2/\text{NDF}: 1948795.1/51$

2818.275 ± 0.570 $\chi^2/\text{NDF}: 1191366.5/26$

reg_asym_atl2_mean vs Slug, Sign Corrected



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

Left Out: 71.329+/-1250.490 χ^2 /NDF:16.8/7

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

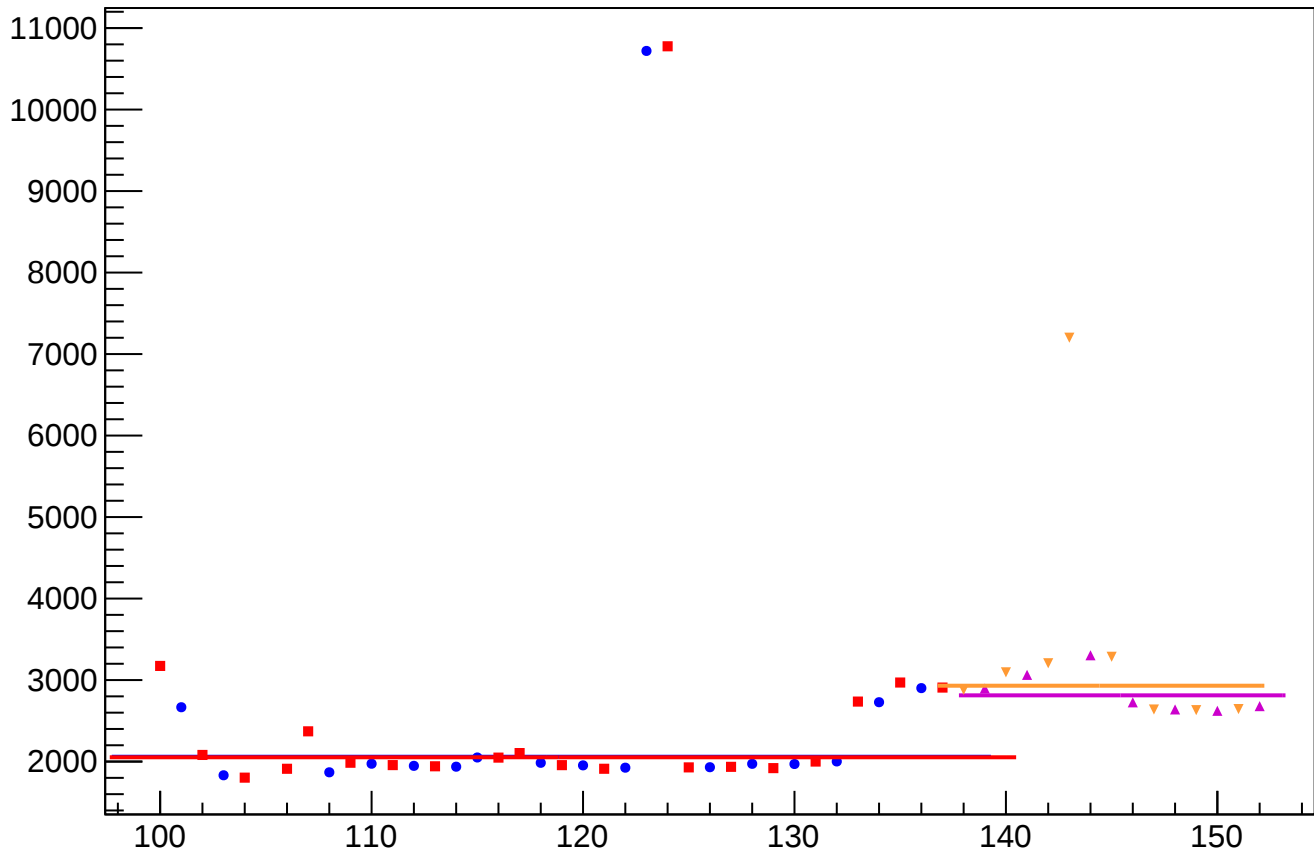
Left In: 3393.465+/-1178.008 χ^2 /NDF:5.4/6

1351.089+/-680.684 χ^2 /NDF: 25.5/24

1811.450+/-471.900 χ^2 /NDF: 52.2/51

2237.468+/-654.802 χ^2 /NDF: 25.8/26

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 $\chi^2/\text{NDF}: 443374.3/19$

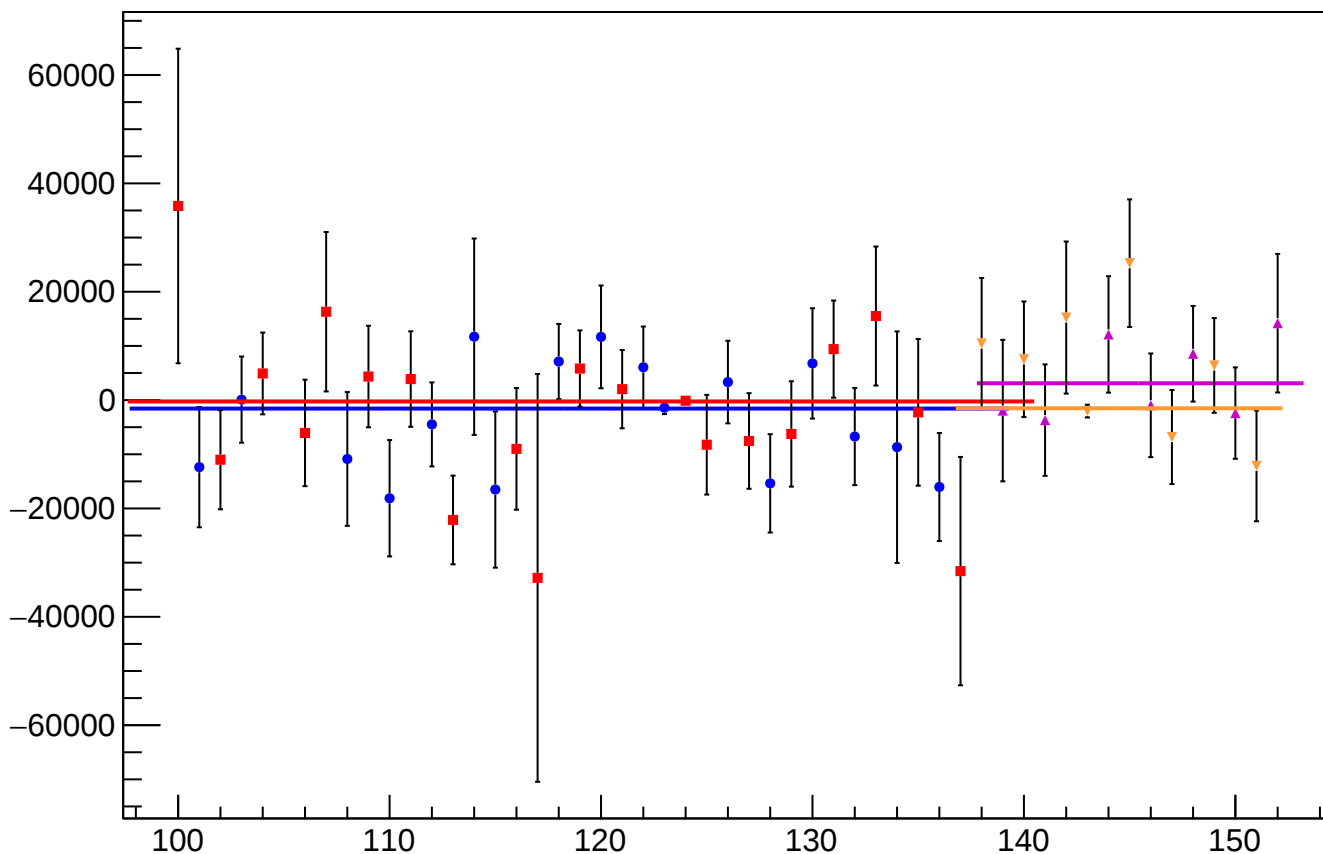
Left In: 2812.488 $\pm$ 0.833 $\chi^2/\text{NDF}: 72199.4/6$

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

2301.732 $\pm$ 0.334 $\chi^2/\text{NDF}: 2649995.5/51$

2287.368 $\pm$ 0.463 $\chi^2/\text{NDF}: 1090690.0/26$

asym_atl2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1507.965 $\pm$ 1133.153 χ^2/NDF : 10.7/7

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

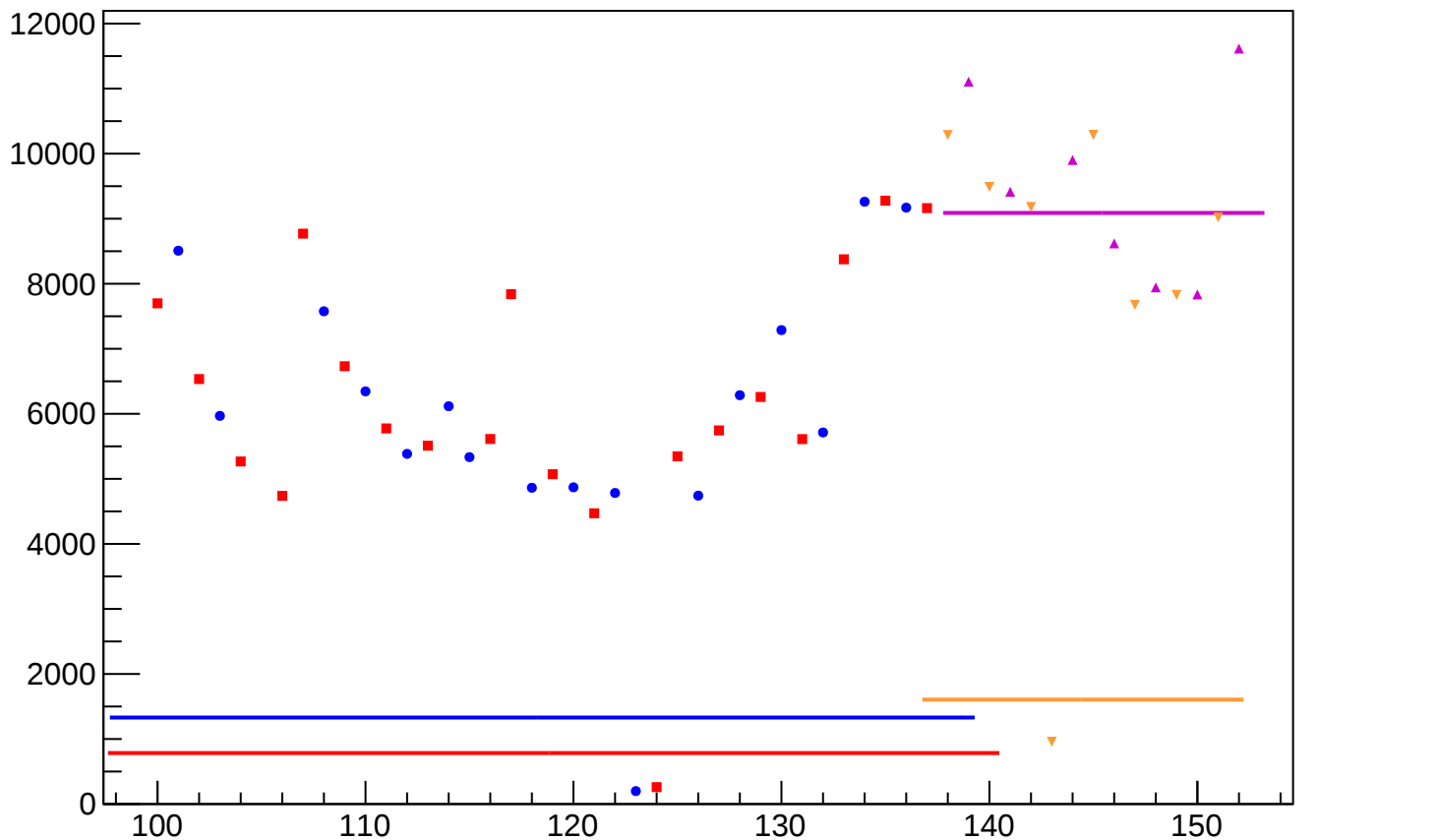
Left In: 3107.355 $\pm$ 3837.821 χ^2/NDF : 3.0/6

-1537.590 $\pm$ 771.736 χ^2/NDF : 26.9/24

-755.223 $\pm$ 511.850 χ^2/NDF : 54.1/51

-140.771 $\pm$ 683.923 χ^2/NDF : 25.3/26

asym_atl2_correction_rms vs Slug, Sign Corrected



Right In: 1330.250 $\pm$ 0.745 χ^2/NDF : 10046828.9/16

Left Out: 1605.405 $\pm$ 0.801 χ^2/NDF : 7431847.8/7

Right Out: 784.254 $\pm$ 0.491 χ^2/NDF : 11510186.9/19

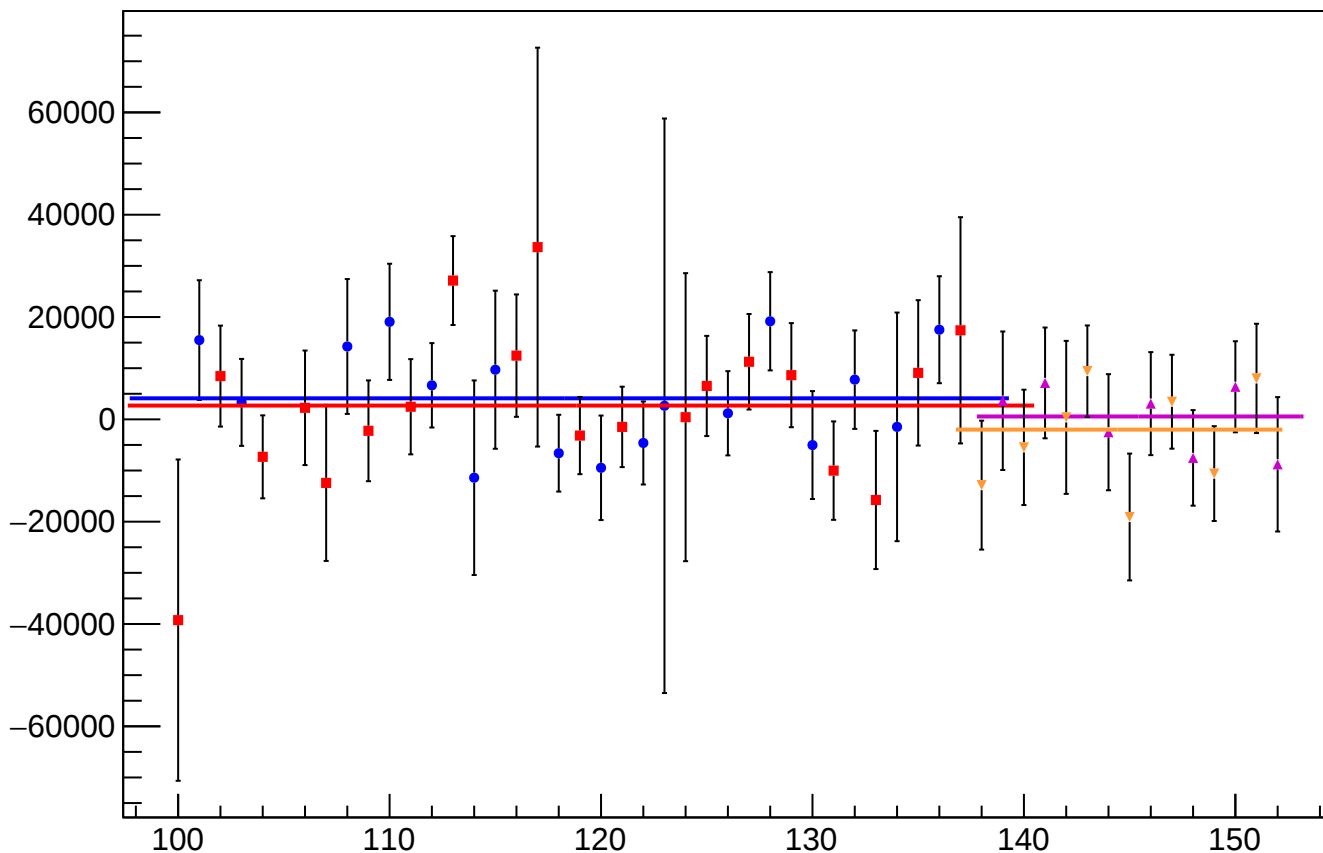
Left In: 9088.956 $\pm$ 2.714 χ^2/NDF : 221804.1/6

1457.876 $\pm$ 0.546 χ^2/NDF : 17541904.9/24

1228.296 $\pm$ 0.362 χ^2/NDF : 38657508.1/5

1047.990 $\pm$ 0.484 χ^2/NDF : 20799602.7/26

asym_atl2_mean vs Slug, Sign Corrected



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

Left Out: -2005.973+/-3780.005 χ^2/NDF : 6.5/7

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

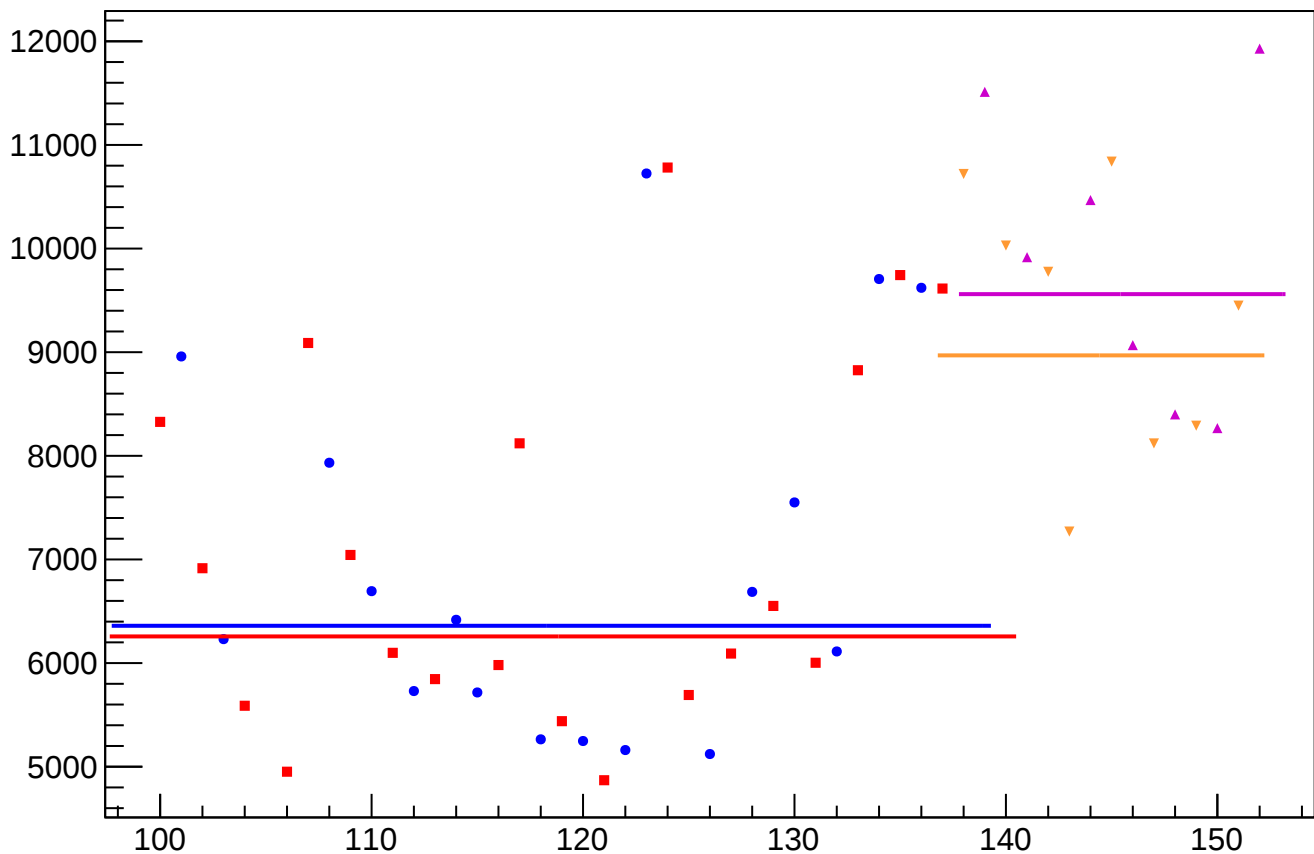
Left In: 561.771+/-4031.986 χ^2/NDF : 2.2/6

2214.472+/-2105.066 χ^2/NDF : 22.6/24

2173.111+/-1476.792 χ^2/NDF : 45.7/51

2133.026+/-2072.318 χ^2/NDF : 23.0/26

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

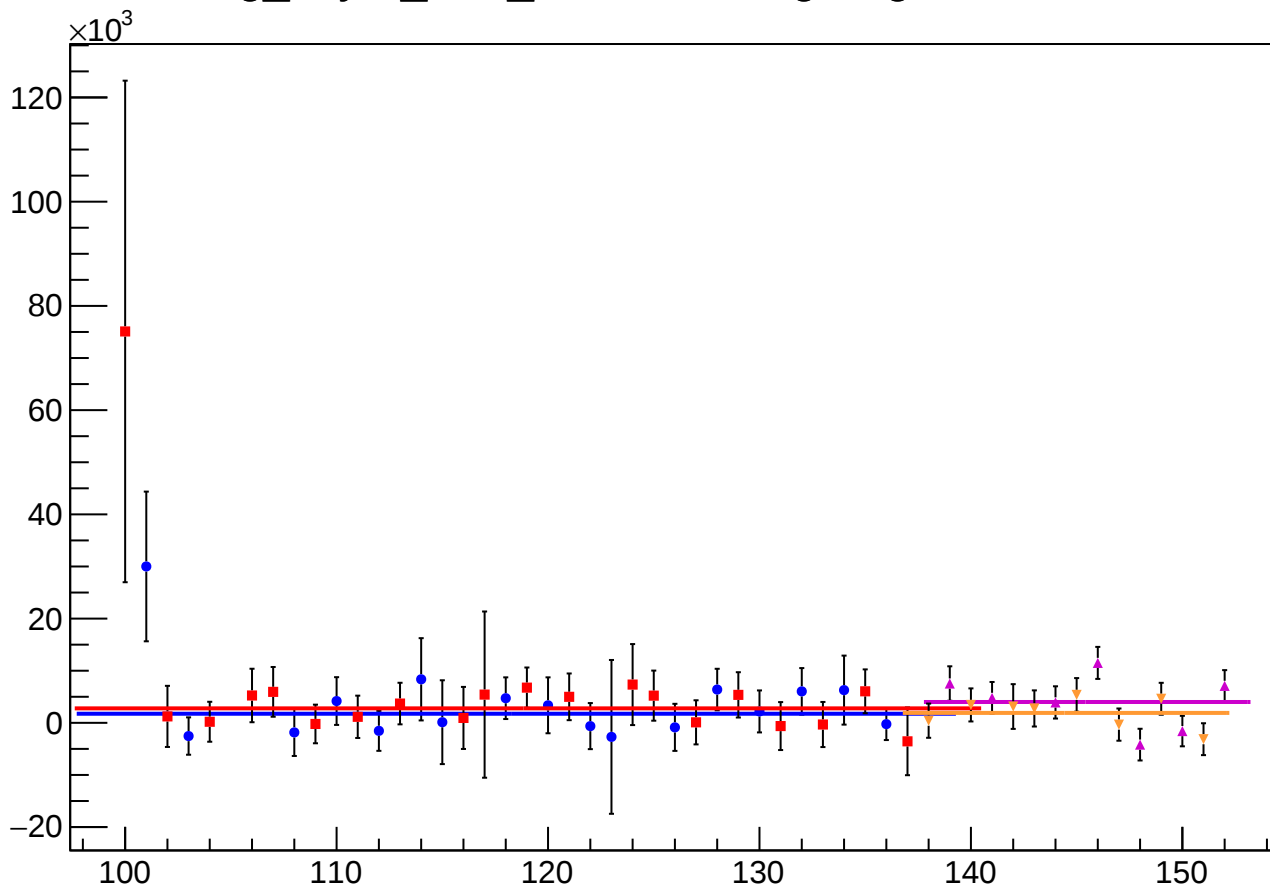
Left In: 9560.272 $\pm$ 2.851 χ^2/NDF : 199512.7/6

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

7149.139 $\pm$ 1.044 χ^2/NDF : 3175179.4/51

7129.719 $\pm$ 1.465 χ^2/NDF : 1724733.5/26

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

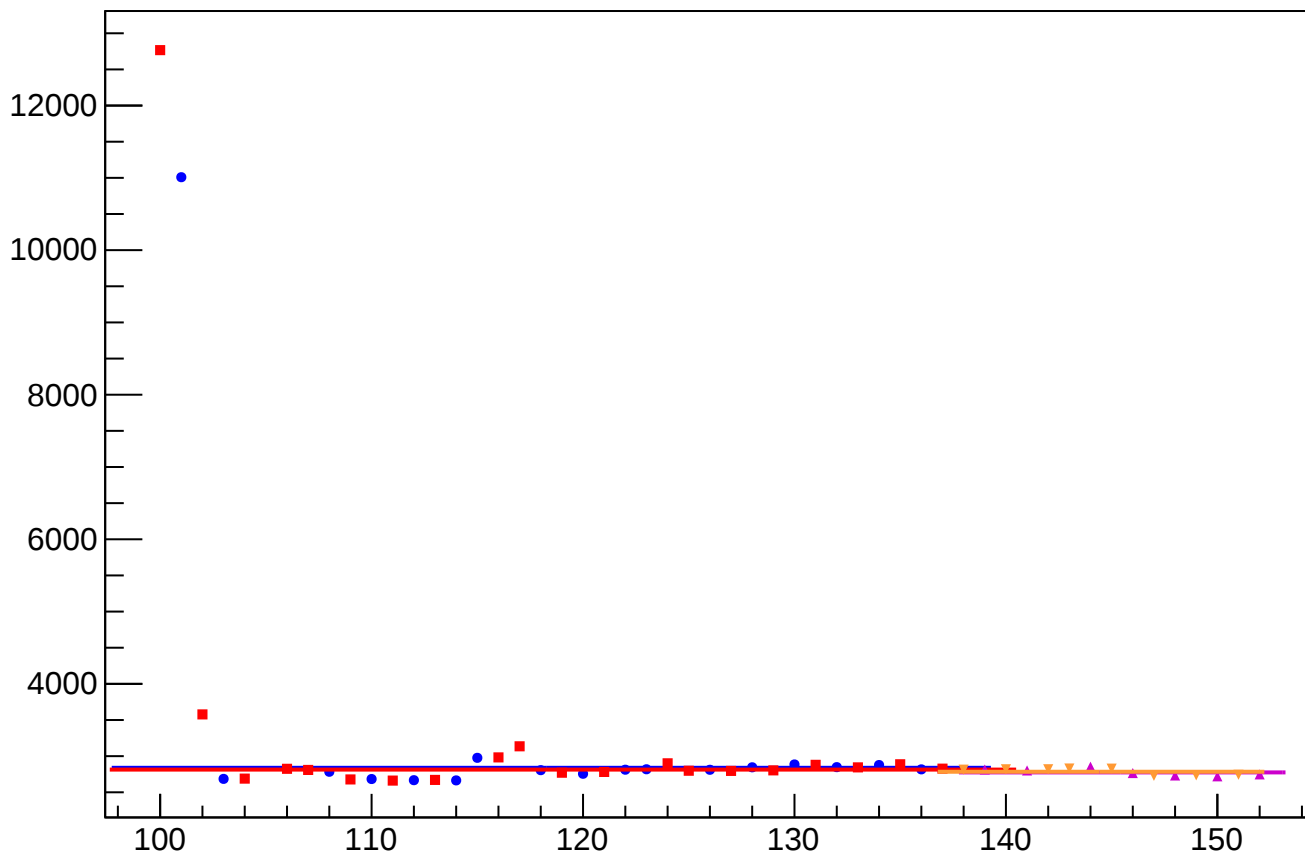
Left In: 3999.366 $\pm$ 1159.102 χ^2 /NDF: 19.1/6

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

2602.104 $\pm$ 563.603 χ^2 /NDF: 49.2/51

3338.483 $\pm$ 786.035 χ^2 /NDF: 29.4/26

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

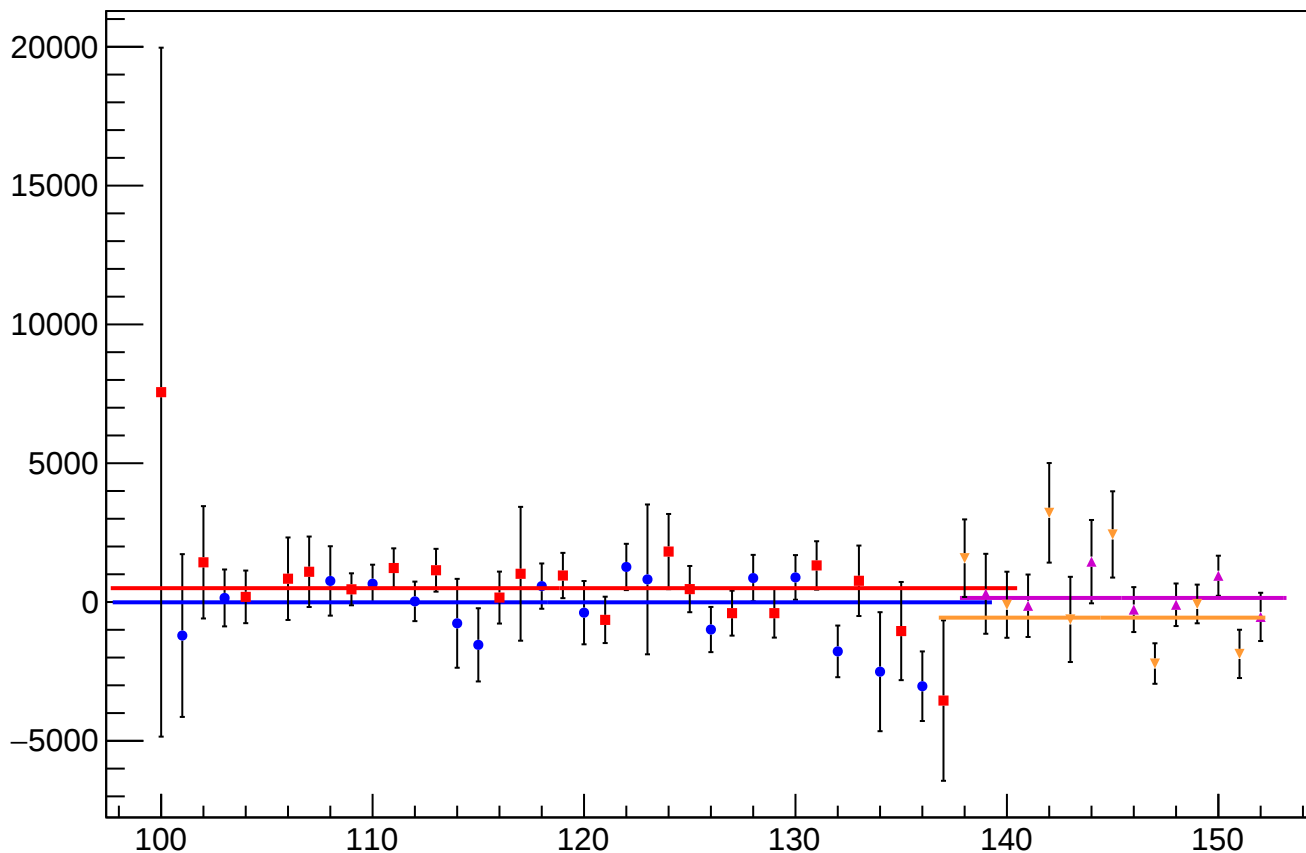
Left In: 2775.132 $\pm$ 0.820 χ^2 /NDF: 3022.6/6

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

2803.965 $\pm$ 0.399 χ^2 /NDF: 803804.8/51

2796.170 $\pm$ 0.556 χ^2 /NDF: 138126.2/26

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

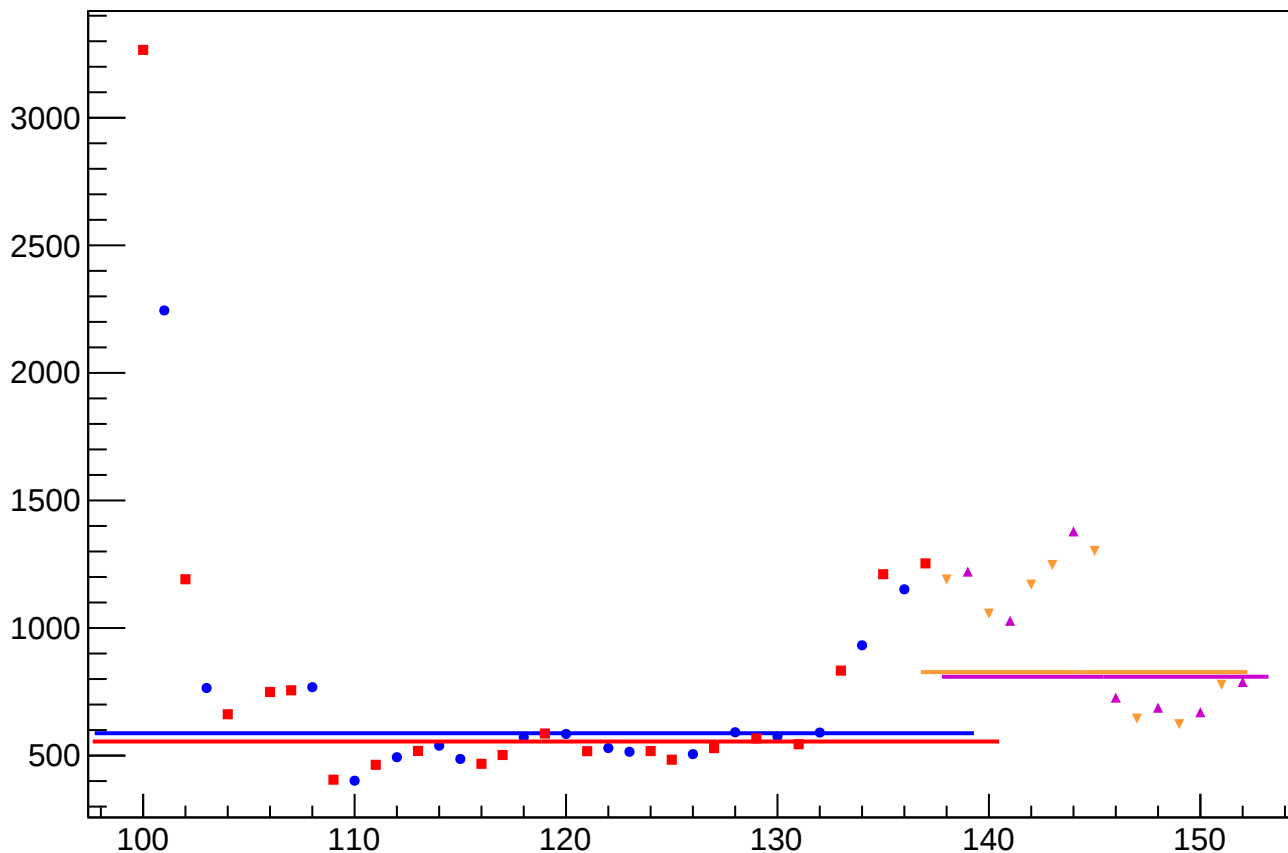
Left In: 147.407 ± 349.458 χ^2/NDF : 3.0/6

-180.146 ± 201.013 χ^2/NDF : 40.9/24

131.218 ± 136.725 χ^2/NDF : 61.0/51

399.289 ± 186.516 χ^2/NDF : 15.7/26

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

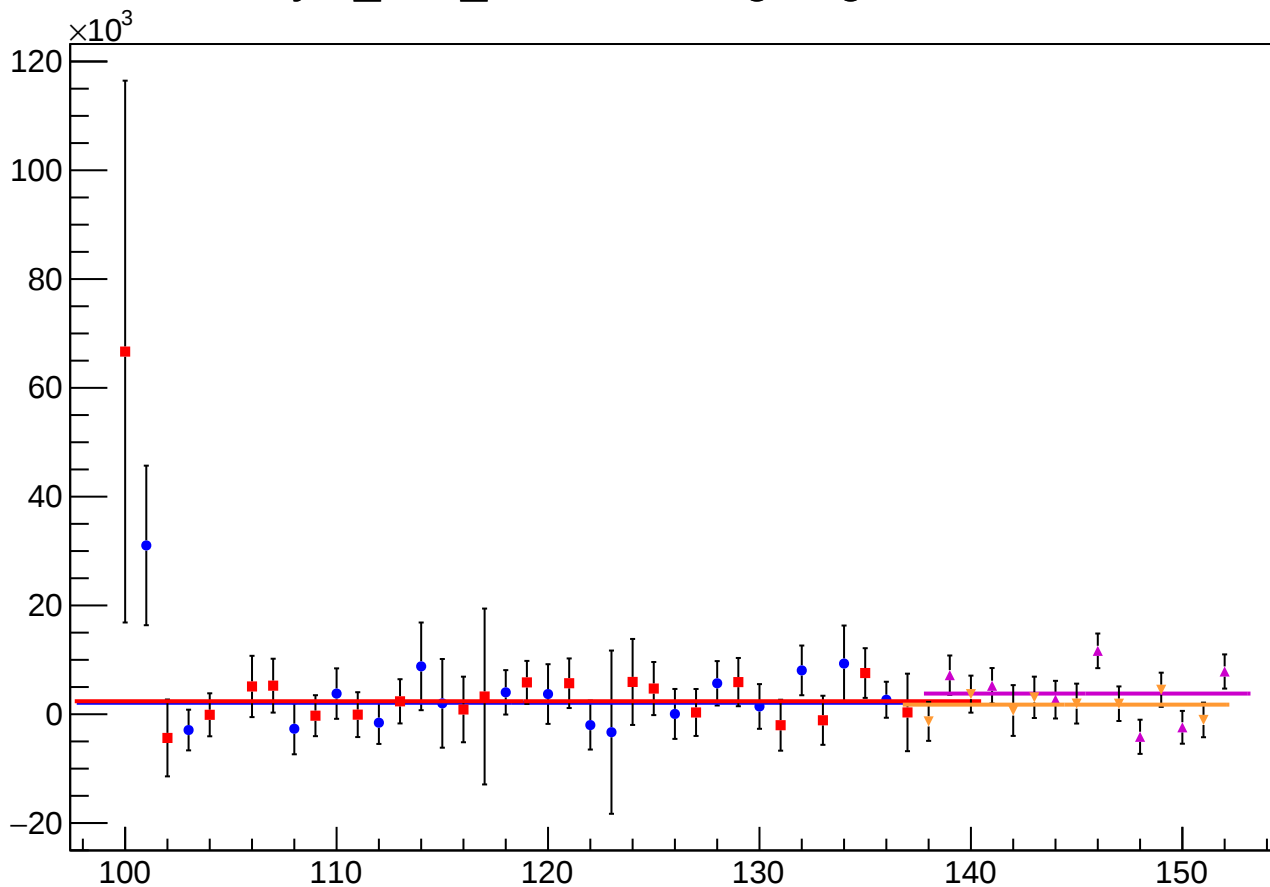
Left In: 808.999+/-0.247 χ^2/NDF : 673890.3/6

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

643.161+/-0.097 χ^2/NDF : 5521099.8/51

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

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

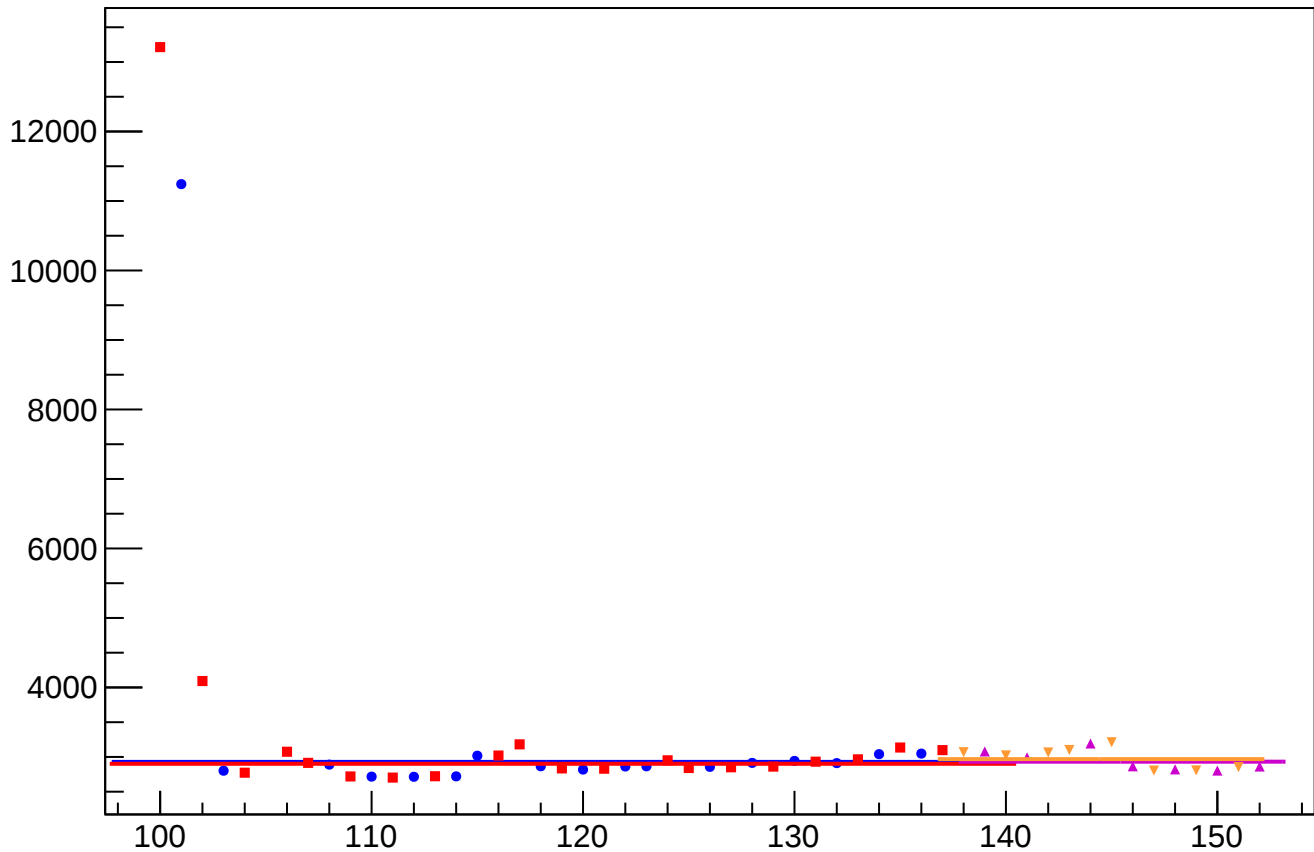
Left In: 3798.033+/-1225.747 χ^2/NDF : 19.6/6

1947.125+/-847.950 χ^2/NDF : 16.3/24

2501.849+/-590.133 χ^2/NDF : 47.3/51

3022.899+/-821.811 χ^2/NDF : 30.2/26

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

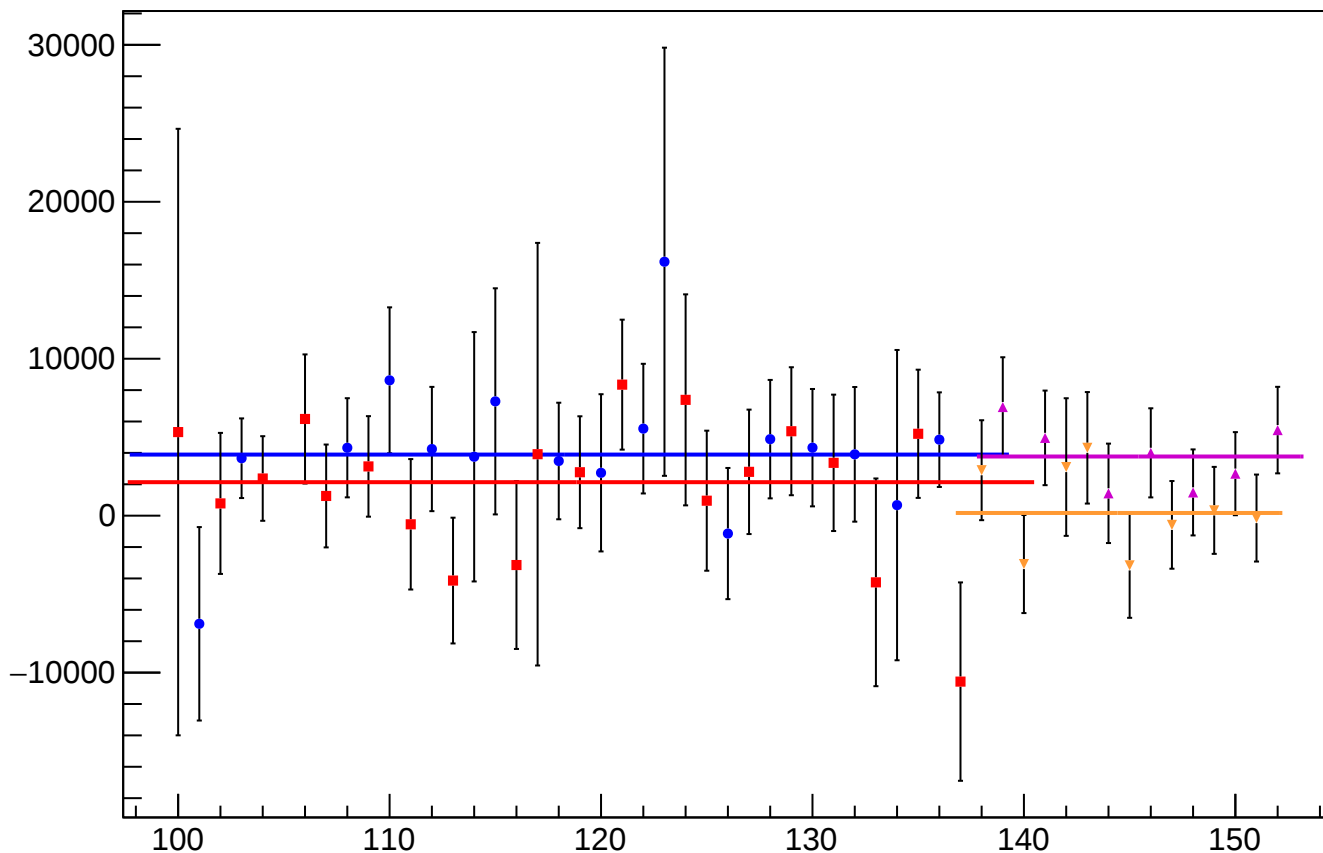
Left In: 2931.988+/-0.867 χ^2/NDF : 23396.7/6

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

2930.845+/-0.417 χ^2/NDF : 886684.1/51

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

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

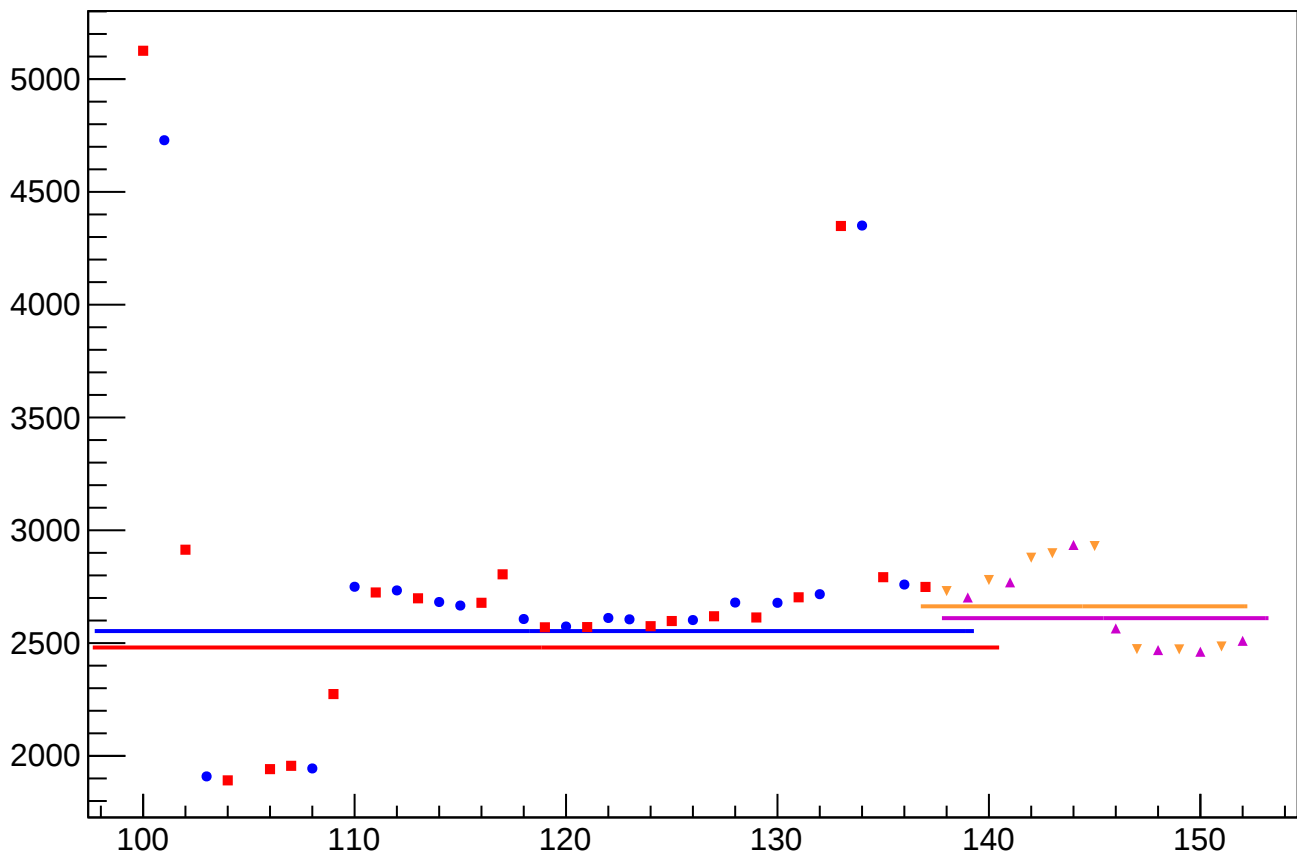
Left In: 3769.757 +/- 1090.622 χ^2/NDF : 2.9/6

2205.613 +/- 747.982 χ^2/NDF : 18.0/24

2537.765 +/- 518.318 χ^2/NDF : 36.9/51

2844.596 +/- 718.905 χ^2/NDF : 18.6/26

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2553.280 ± 0.715 $\chi^2/\text{NDF}: 545226.9/16$

Left Out: 2662.958 ± 0.785 $\chi^2/\text{NDF}: 57019.7/7$

Right Out: 2480.504 ± 0.676 $\chi^2/\text{NDF}: 450669.1/19$

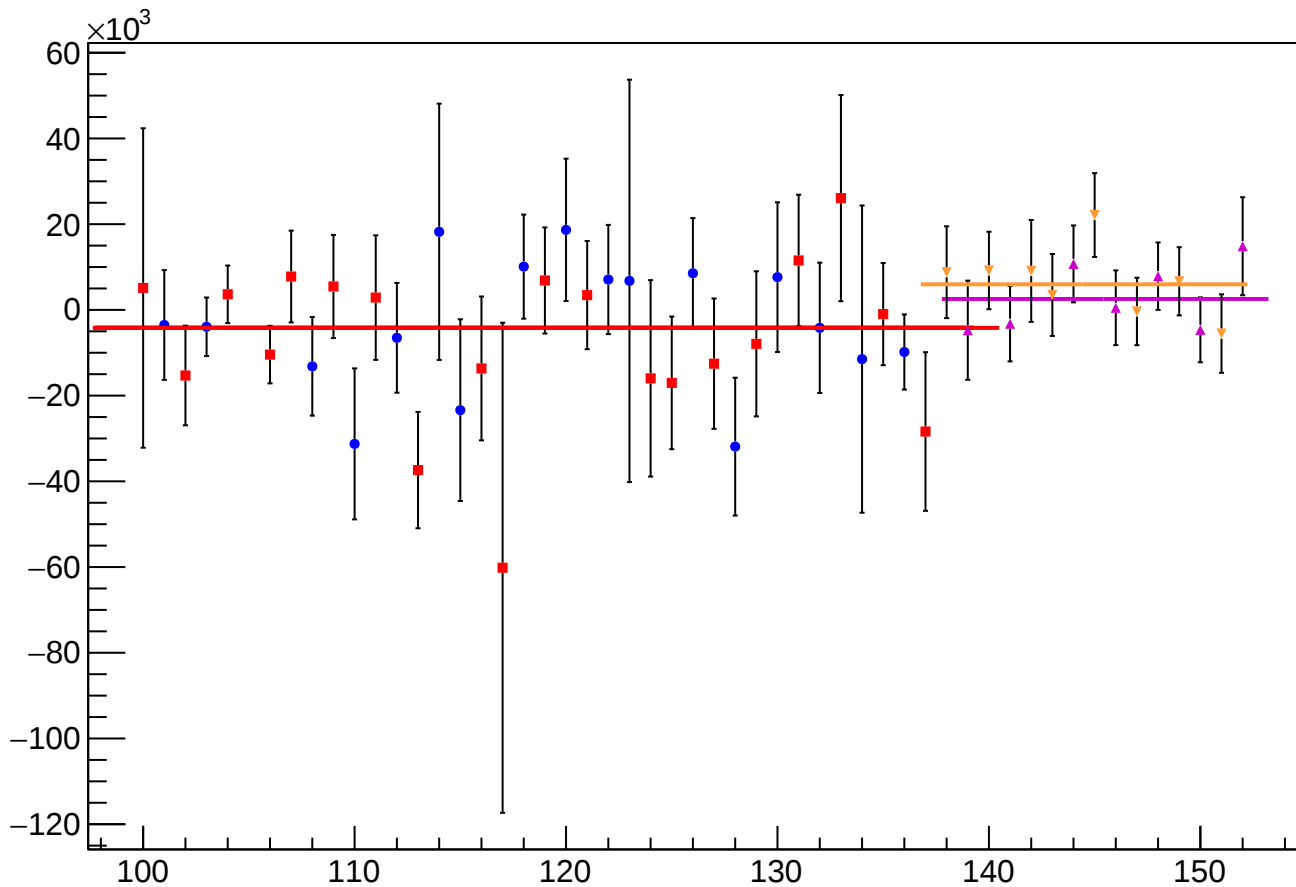
Left In: 2610.539 ± 0.771 $\chi^2/\text{NDF}: 43033.8/6$

2603.009 ± 0.529 $\chi^2/\text{NDF}: 612903.7/24$

2568.699 ± 0.367 $\chi^2/\text{NDF}: 1130780.2/51$

2537.004 ± 0.508 $\chi^2/\text{NDF}: 509780.9/26$

asym_atr2_correction_mean vs Slug, Sign Corrected



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

Left Out: 5967.939 ± 3274.061 χ^2/NDF : 5.3/7

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

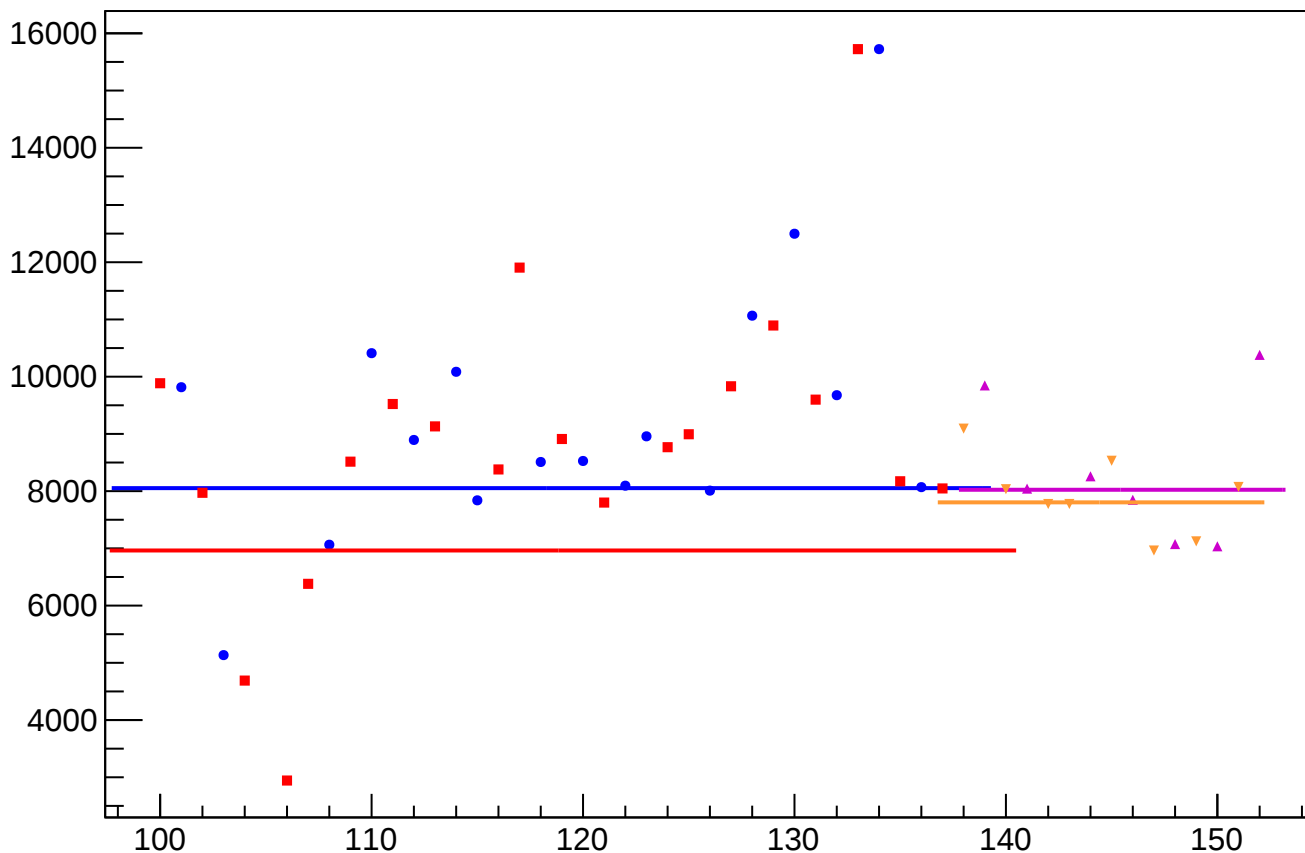
Left In: 2551.284 ± 3385.167 χ^2/NDF : 4.2/6

847.809 ± 2298.307 χ^2/NDF : 23.5/24

-350.543 ± 1578.447 χ^2/NDF : 50.0/51

-1420.405 ± 2171.600 χ^2/NDF : 26.0/26

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

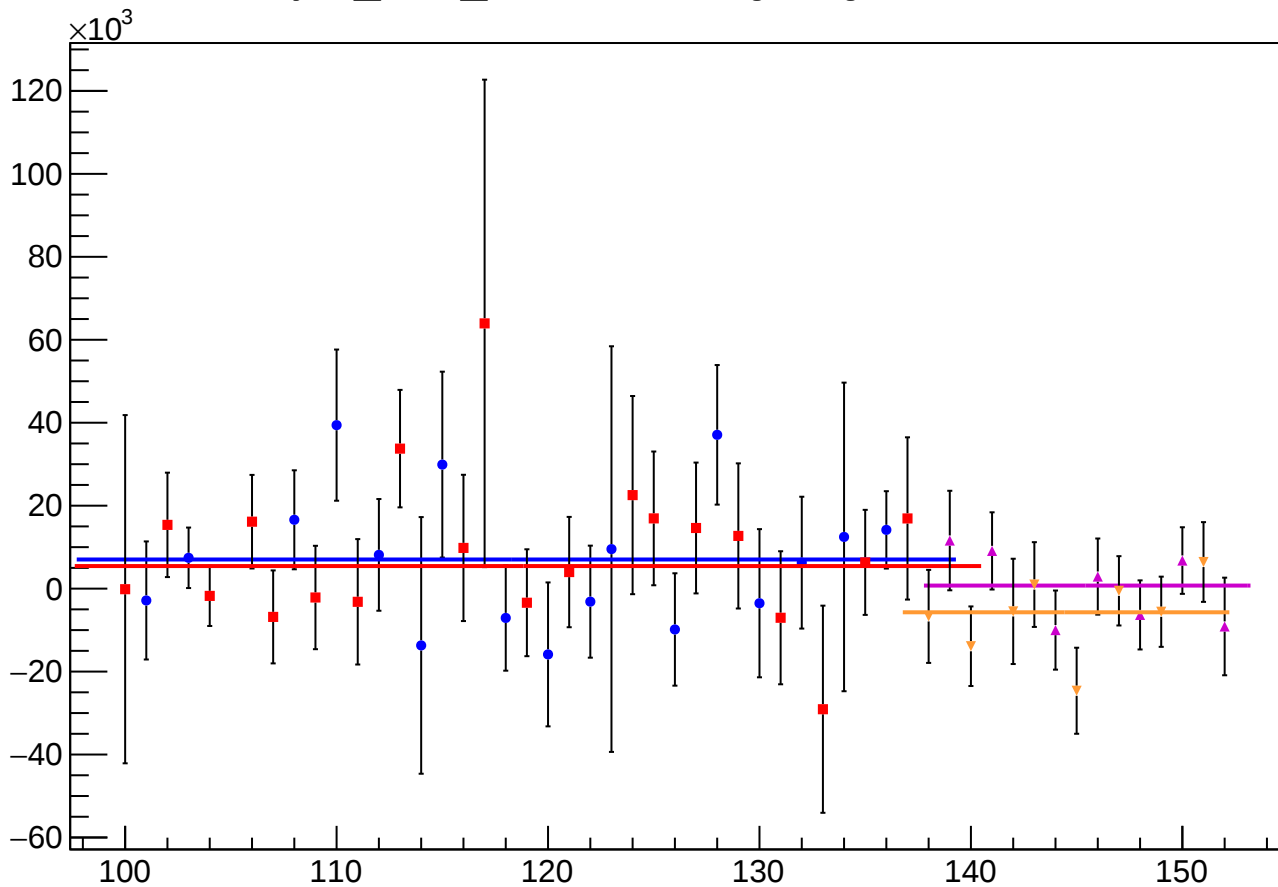
Left In: 8023.957 +/- 2.394 χ^2/NDF : 200093.5/6

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

7649.815 +/- 1.116 χ^2/NDF : 3040654.4/51

7399.667 +/- 1.536 χ^2/NDF : 2107246.6/26

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

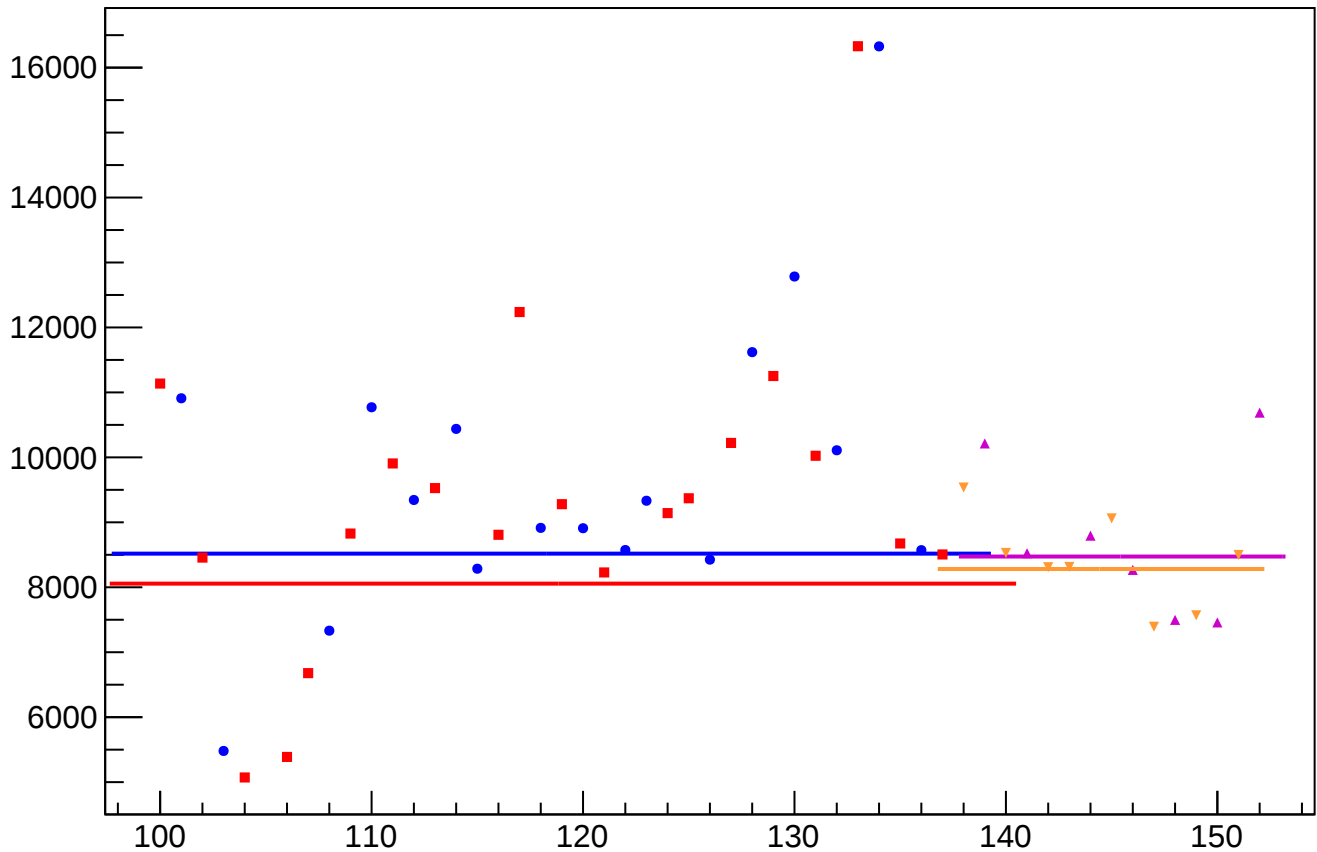
Left In: 737.828 $\pm$ 3568.893 χ^2/NDF : 4.9/6

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

2108.350 $\pm$ 1696.479 χ^2/NDF : 49.2/51

3372.019 $\pm$ 2367.384 χ^2/NDF : 20.3/26

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8517.886+/-2.411 $\chi^2/\text{NDF}: 763281.4/16$

Left Out: 8281.586+/-2.454 $\chi^2/\text{NDF}: 75508.3/7$

Right Out: 8056.153+/-2.237 $\chi^2/\text{NDF}: 962282.6/19$

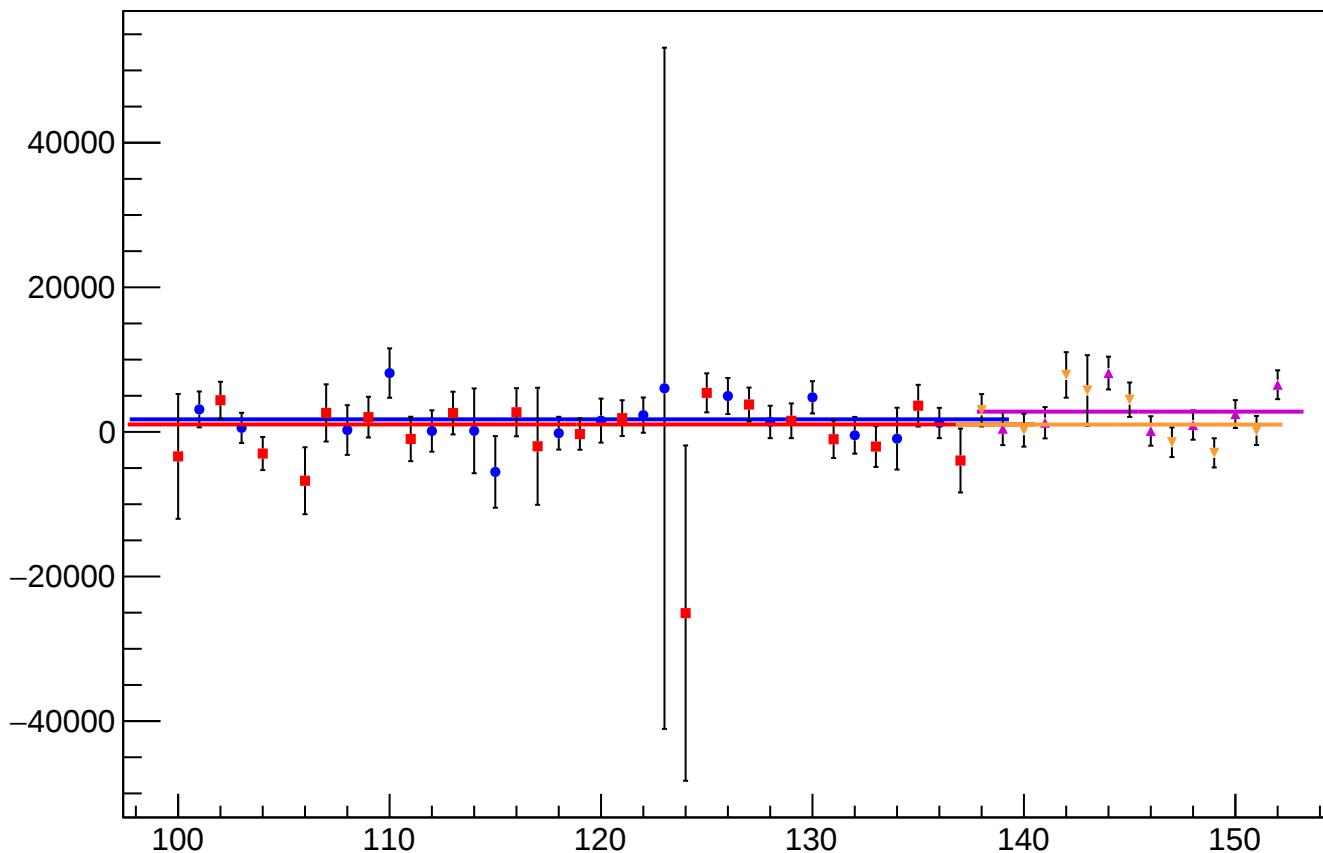
Left In: 8473.185+/-2.524 $\chi^2/\text{NDF}: 175701.9/6$

8401.846+/-1.720 $\chi^2/\text{NDF}: 843507.4/24$

8318.552+/-1.200 $\chi^2/\text{NDF}: 2001352.1/51$

8239.647+/-1.674 $\chi^2/\text{NDF}: 1153277.5/26$

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

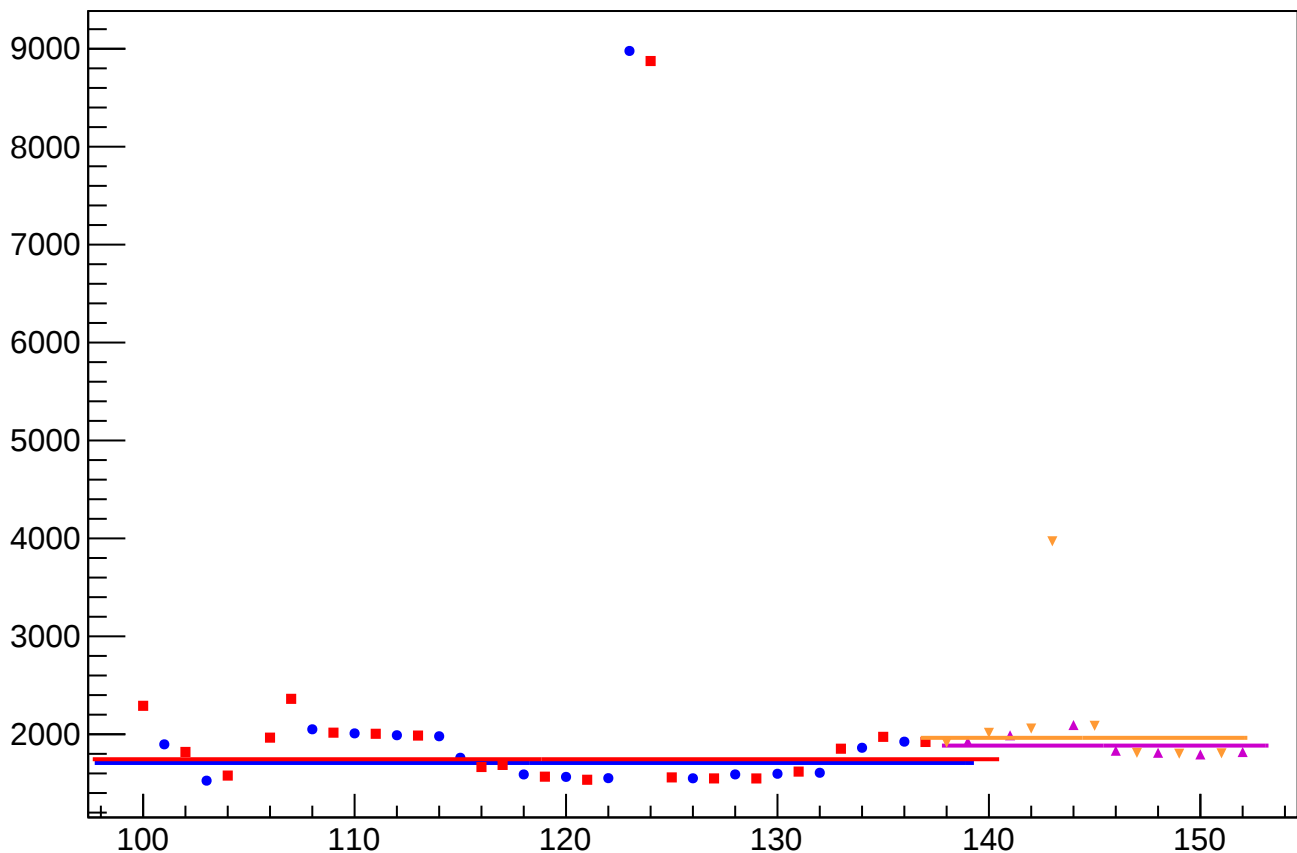
Left In: 2805.346+/-789.054 χ^2/NDF : 13.2/6

1456.061+/-522.231 χ^2/NDF : 26.9/24

1619.208+/-364.924 χ^2/NDF : 62.2/51

1774.889+/-510.141 χ^2/NDF : 35.1/26

reg_asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 1963.543 +/- 0.589 χ^2/NDF : 382699.3/7

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

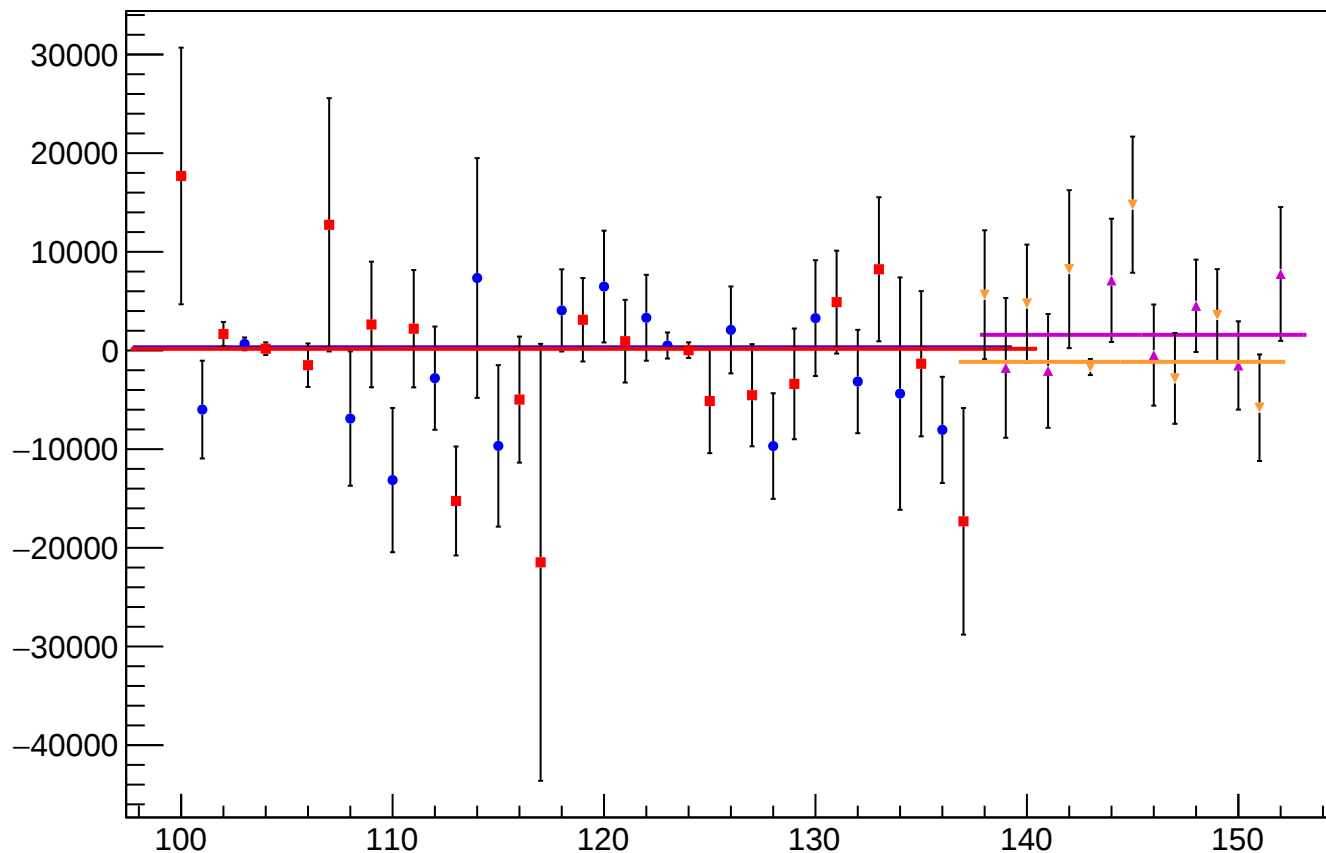
Left In: 1884.225 +/- 0.558 χ^2/NDF : 32993.2/6

1807.785 +/- 0.369 χ^2/NDF : 695526.6/24

1805.288 +/- 0.258 χ^2/NDF : 1164879.4/51

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

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

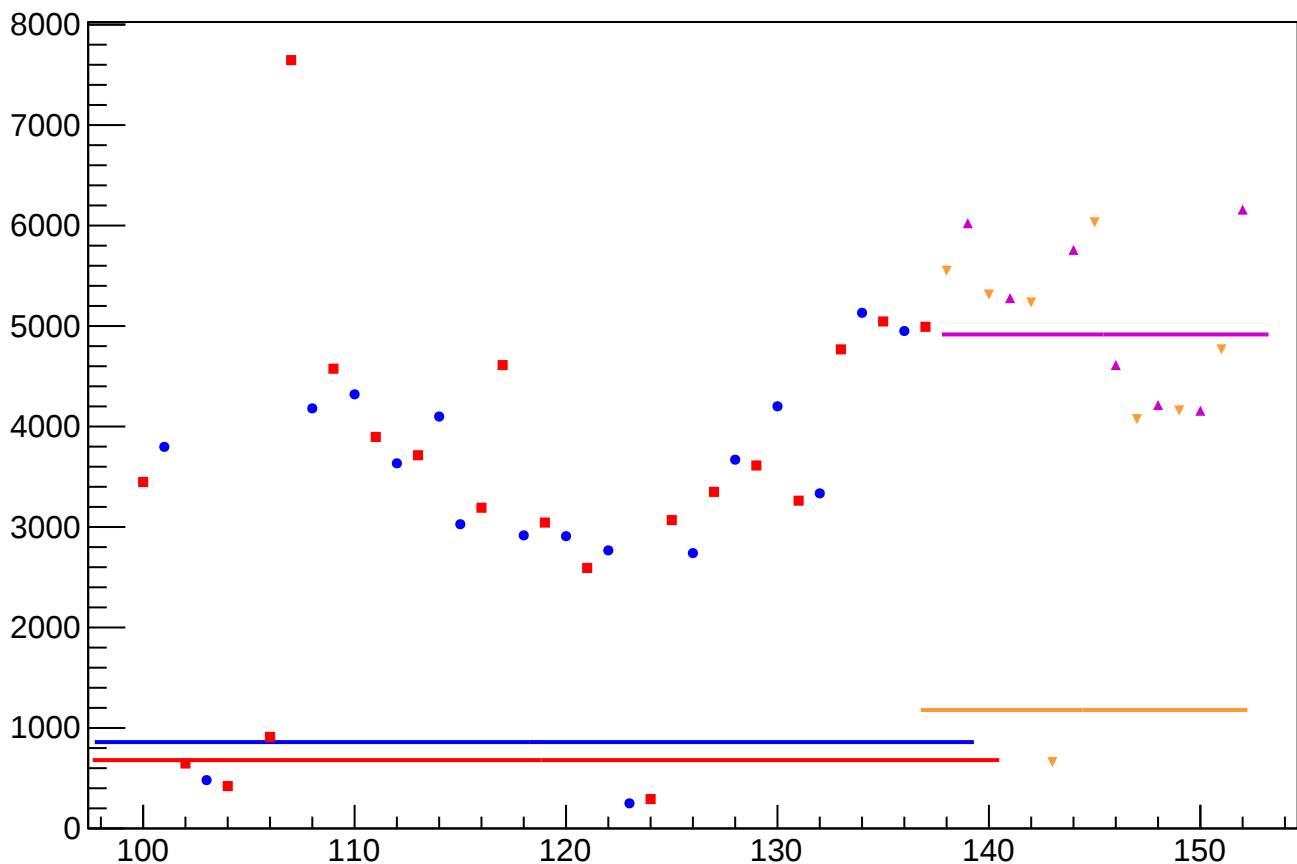
Left In: 1587.050 $\pm$ 2080.831 χ^2 /NDF: 3.3/6

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

35.206 $\pm$ 305.709 χ^2 /NDF: 57.5/51

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

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

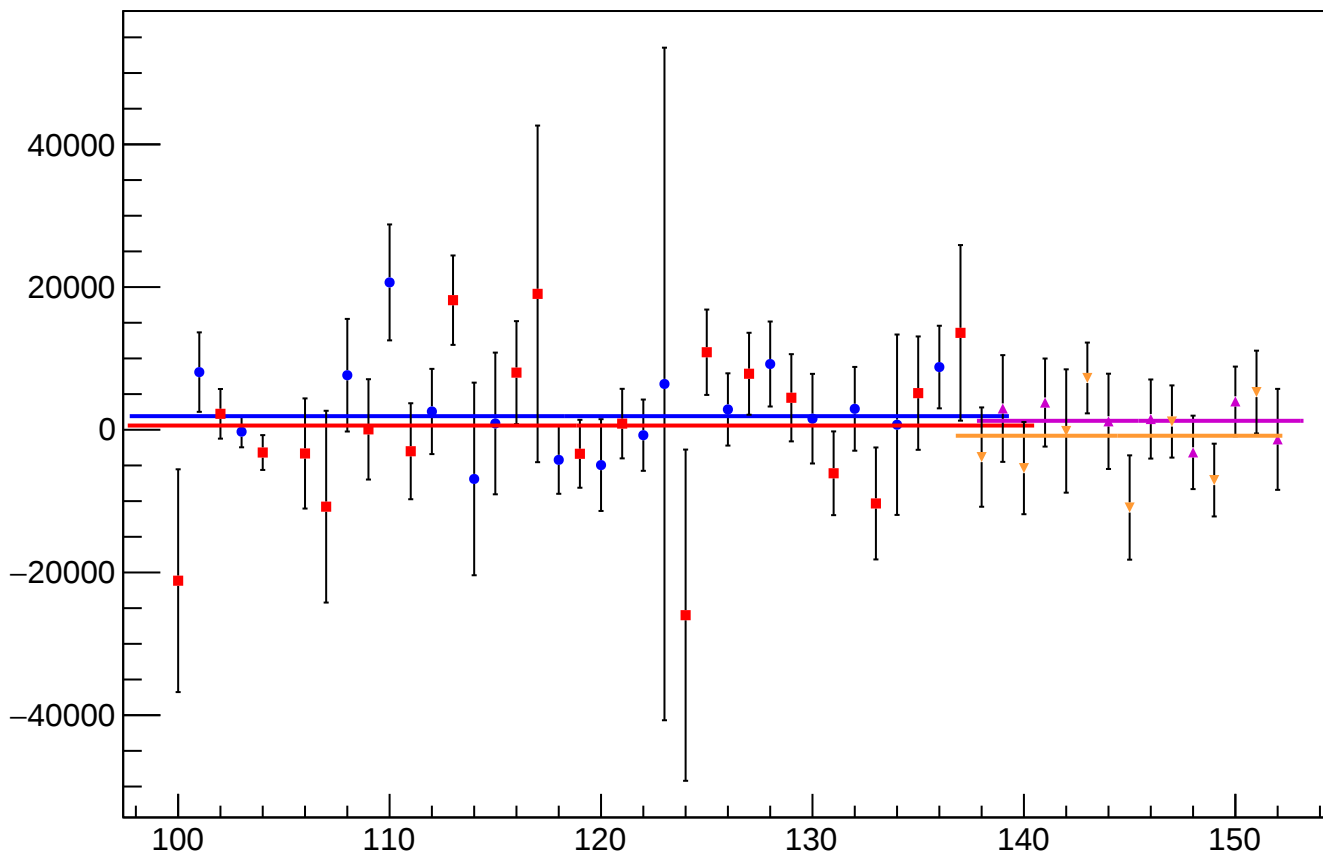
Left In: 4916.250+/-1.471 χ^2/NDF : 269710.1/6

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

909.247+/-0.216 χ^2/NDF : 31765156.5/51

856.293+/-0.300 χ^2/NDF : 16661754.8/26

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

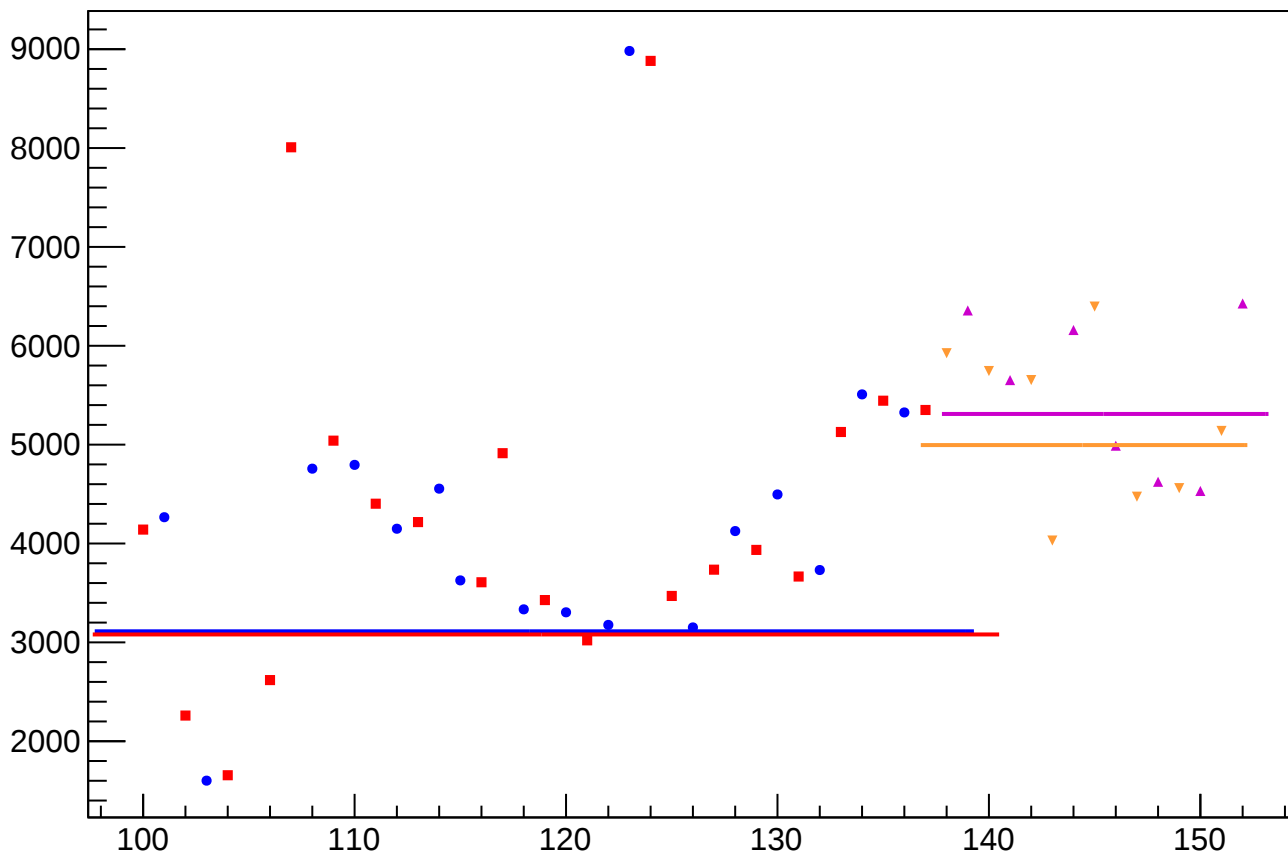
Left In: 1256.352+/-2242.438 χ^2/NDF : 1.4/6

1145.816+/-1113.107 χ^2/NDF : 23.8/24

952.005+/-787.474 χ^2/NDF : 52.4/51

757.810+/-1114.208 χ^2/NDF : 28.5/26

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

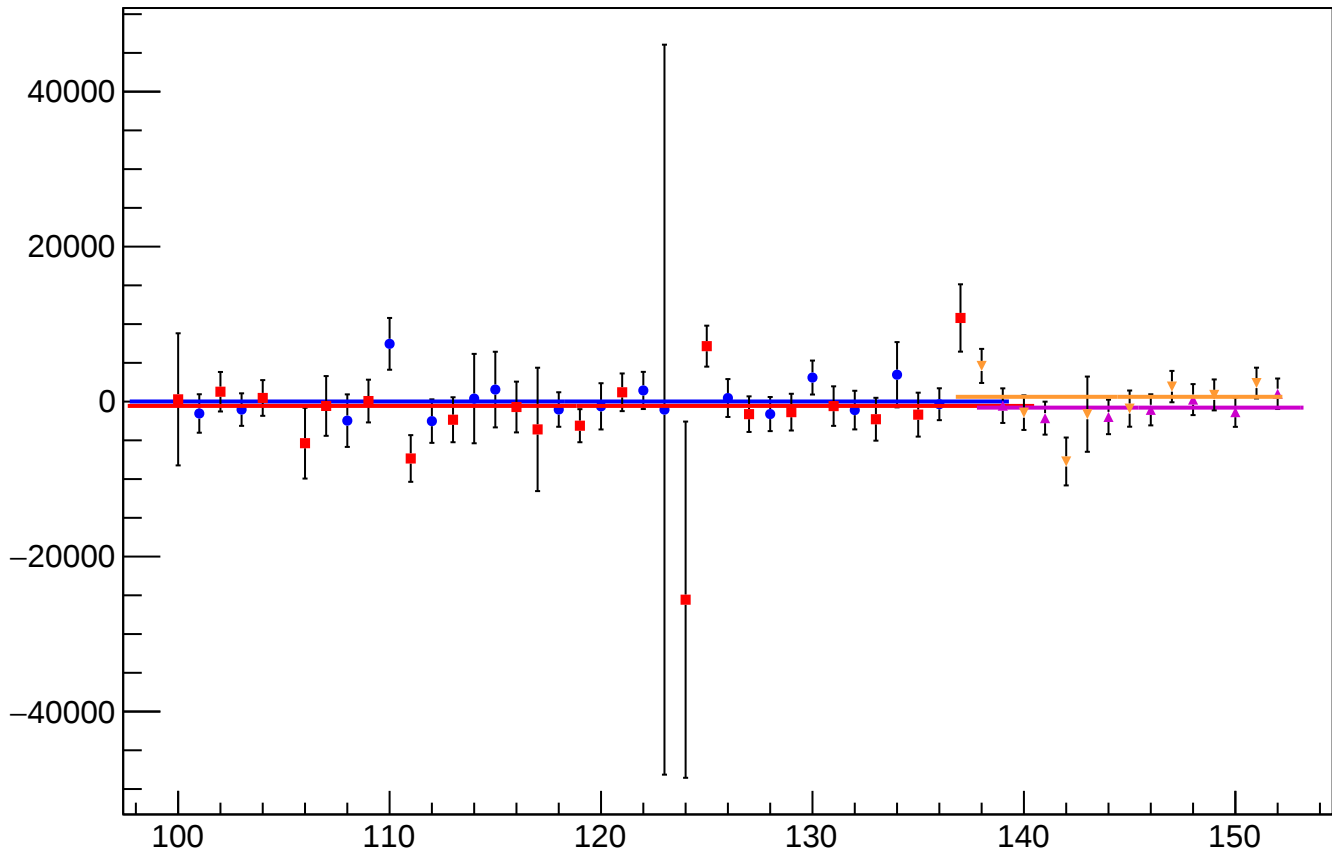
Left In: 5310.367+/-1.586 χ^2/NDF : 220832.0/6

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

3627.274+/-0.554 χ^2/NDF : 7029820.6/51

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

reg_asym_atl_dd_mean vs Slug, Sign Corrected



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

Left Out: 616.642 ± 820.151 χ^2/NDF : 13.3/7

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

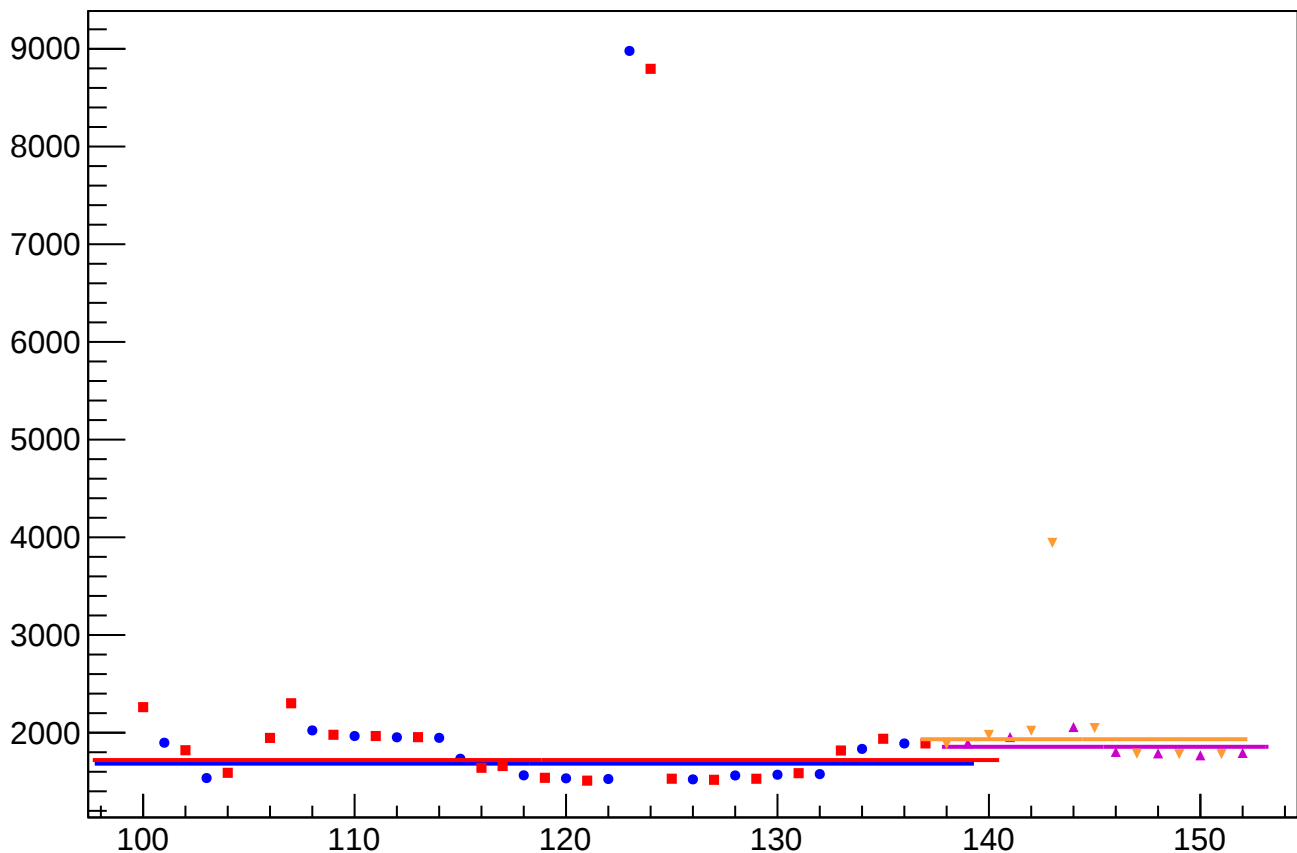
Left In: -779.138 ± 777.038 χ^2/NDF : 1.9/6

251.421 ± 514.705 χ^2/NDF : 24.7/24

-210.437 ± 359.572 χ^2/NDF : 55.1/51

-650.713 ± 502.536 χ^2/NDF : 28.8/26

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 $\chi^2/\text{NDF}: 396217.5/19$

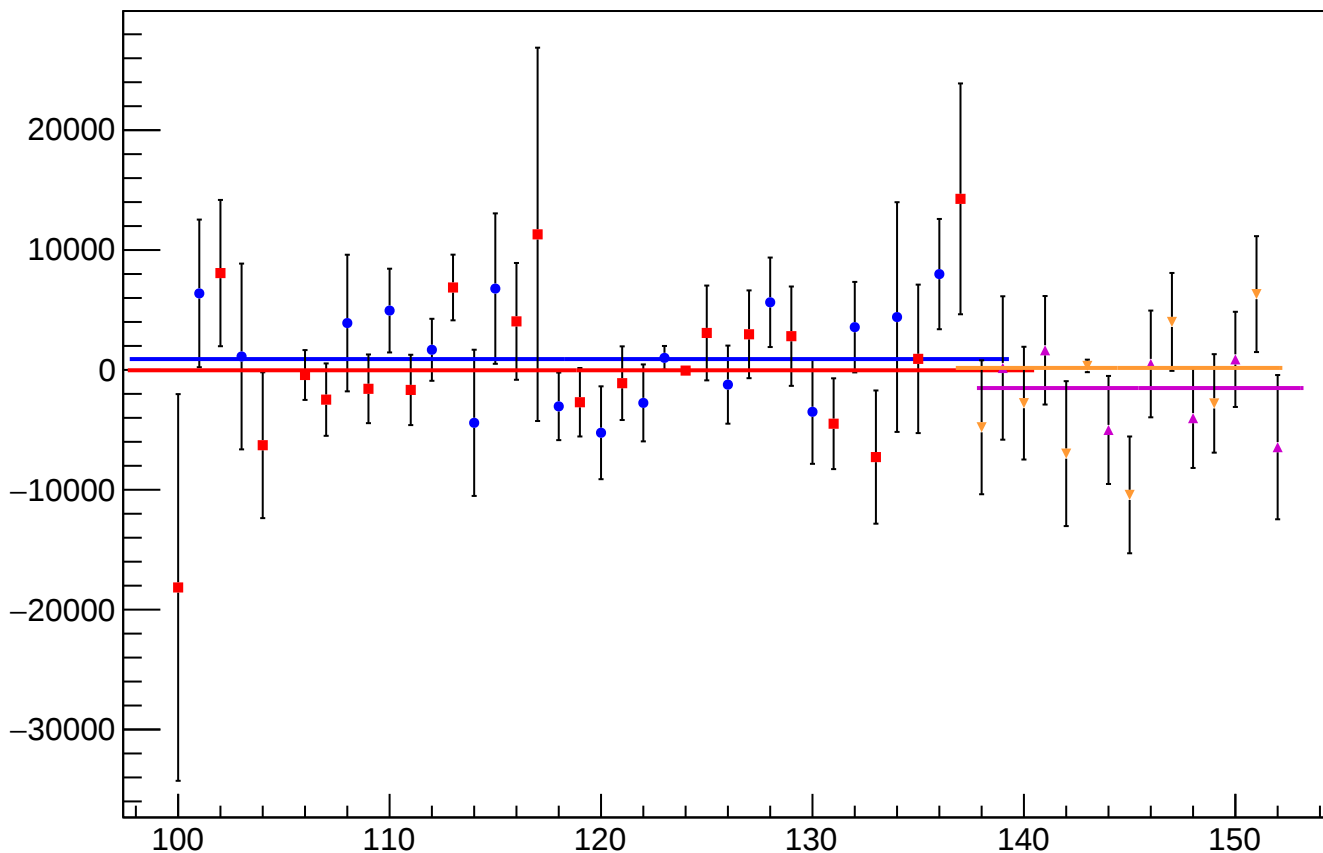
Left In: 1855.682 $\pm$ 0.549 $\chi^2/\text{NDF}: 31333.9/6$

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

1779.011 $\pm$ 0.254 $\chi^2/\text{NDF}: 1157222.7/51$

1776.445 $\pm$ 0.354 $\chi^2/\text{NDF}: 463173.0/26$

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

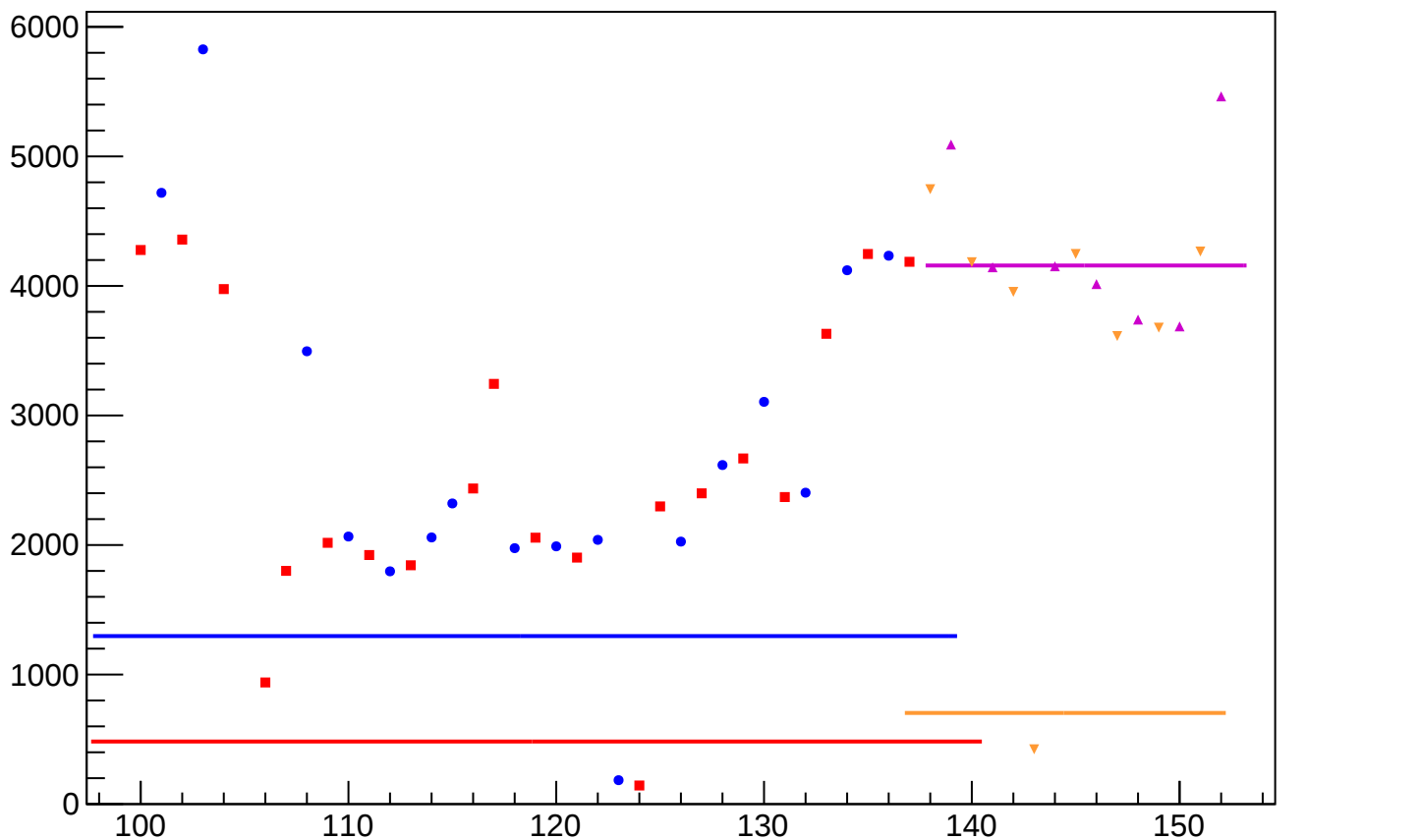
Left In: -1514.009+/-1753.129 χ^2/NDF : 2.8/6

412.901+/-408.906 χ^2/NDF : 27.2/24

121.882+/-265.853 χ^2/NDF : 52.5/51

-91.204+/-349.898 χ^2/NDF : 24.5/26

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

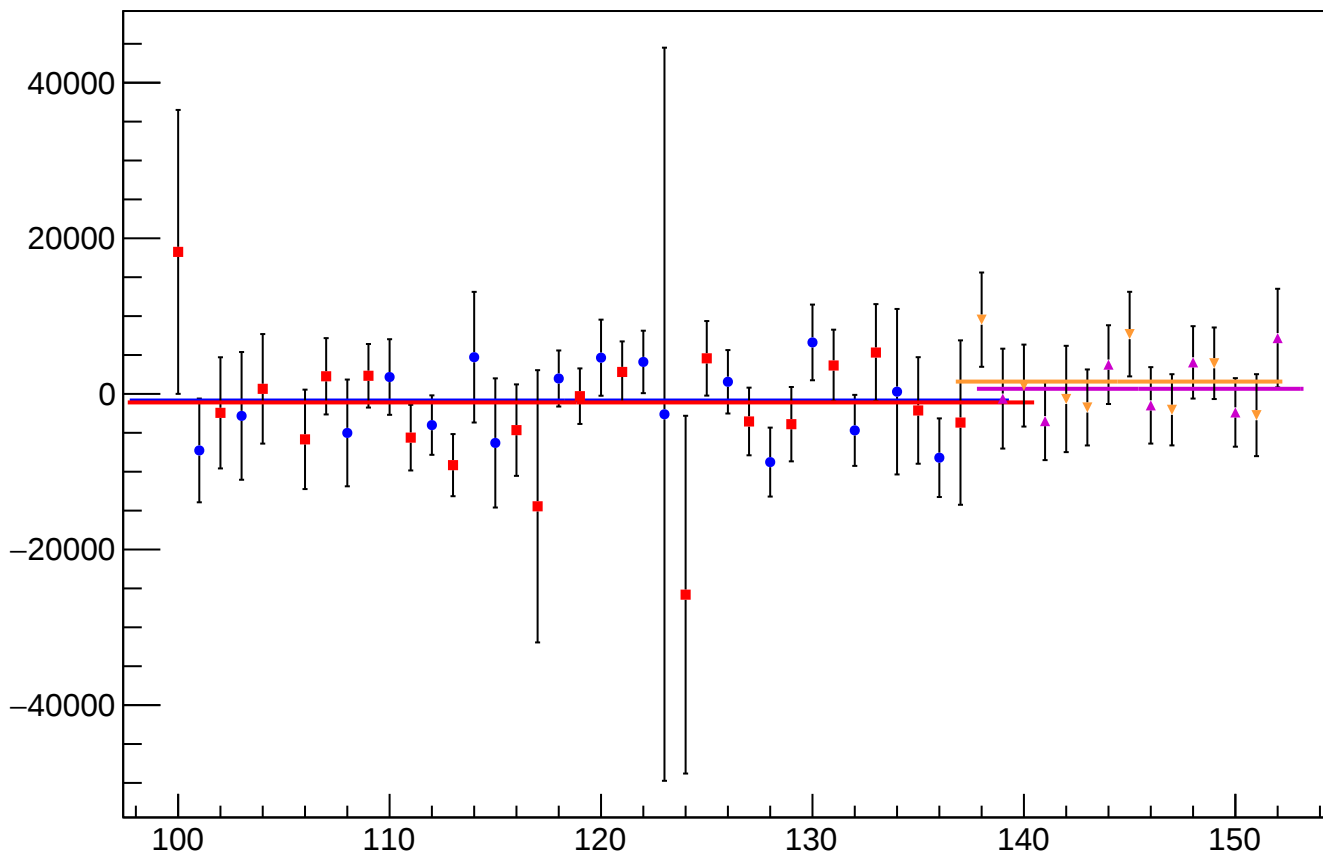
Left In: 4157.759+/-1.240 χ^2/NDF : 193167.8/6

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

745.044+/-0.188 χ^2/NDF : 34306447.2/51

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

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

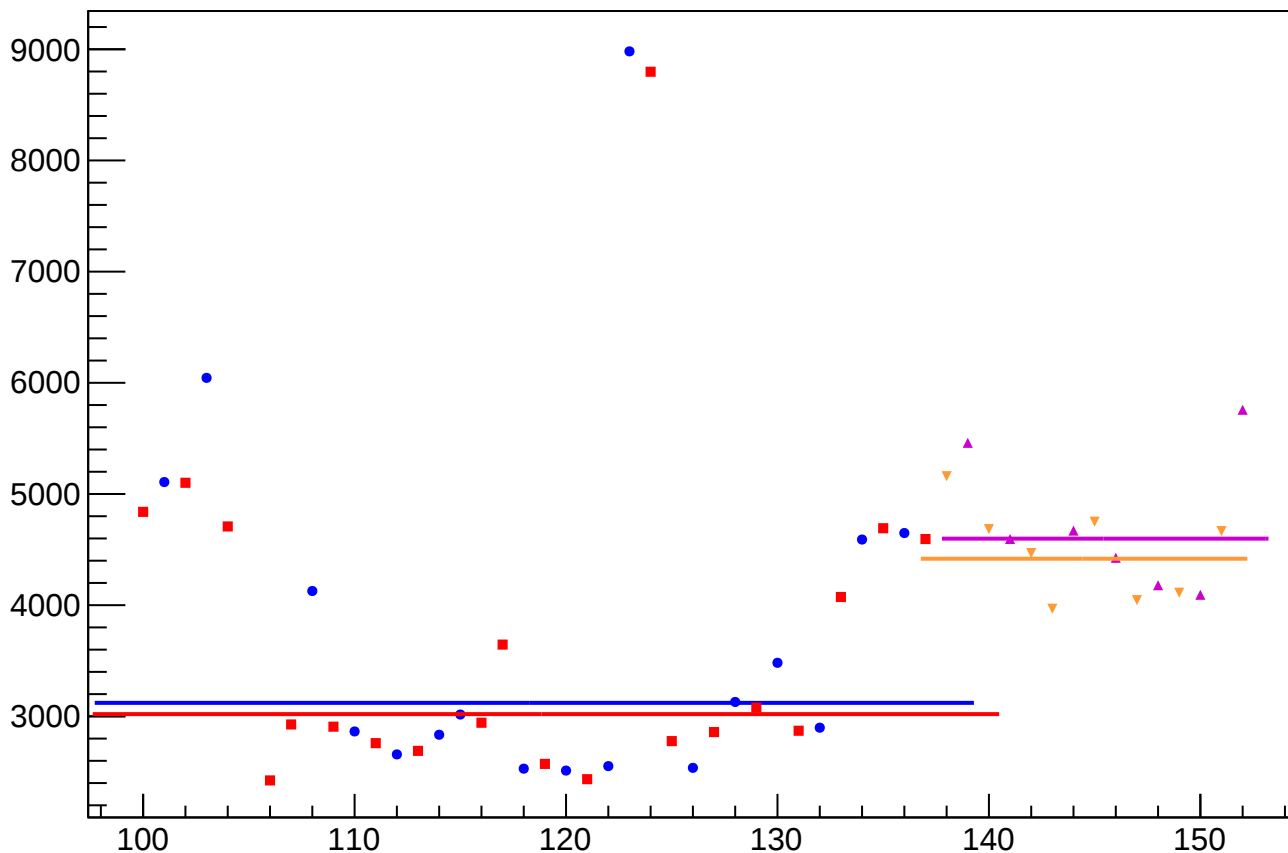
Left In: 656.700 ± 1934.839 χ^2/NDF : 3.4/6

-78.308 ± 1042.353 χ^2/NDF : 21.7/24

-354.717 ± 726.223 χ^2/NDF : 41.4/51

-615.455 ± 1012.372 χ^2/NDF : 19.5/26

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

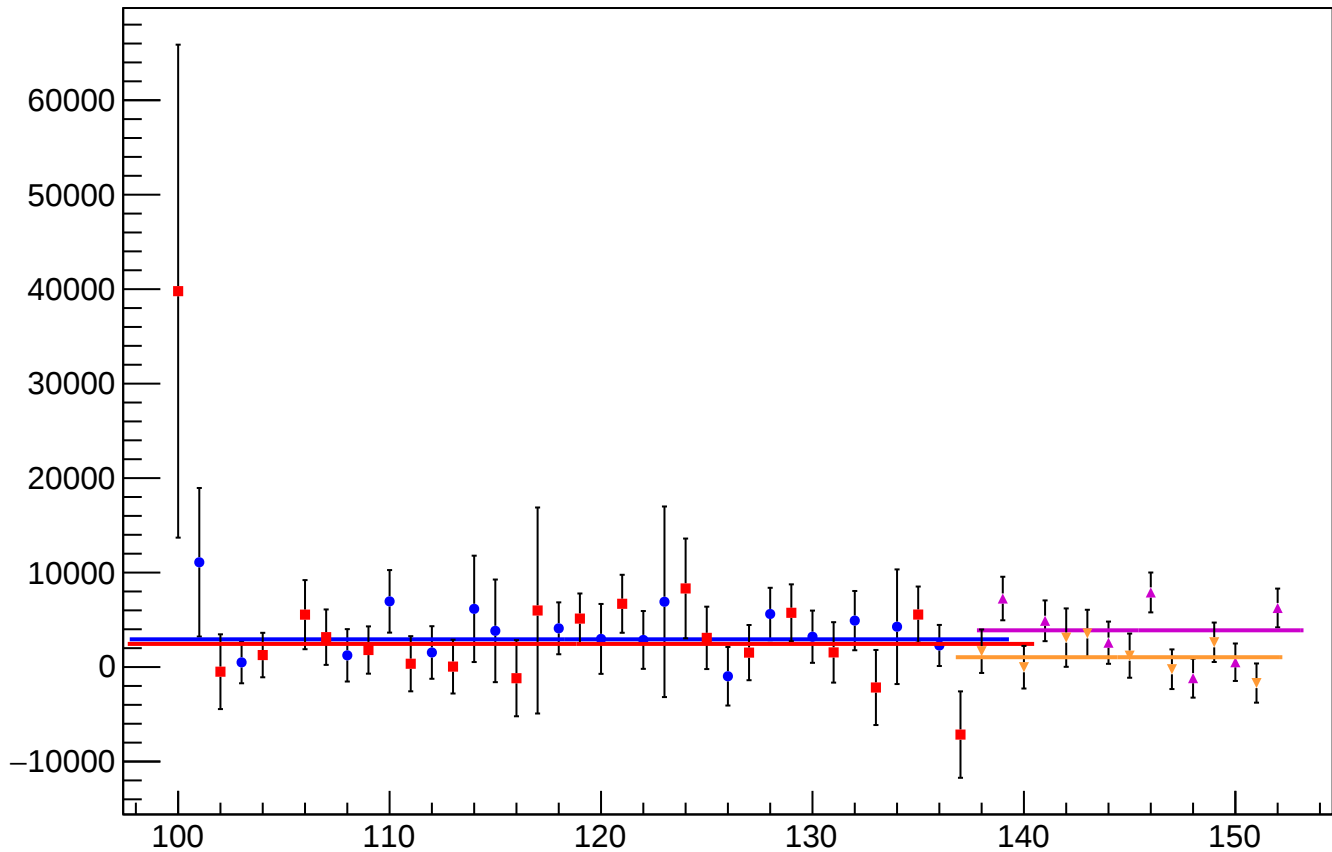
Left In: 4598.359 $\pm$ 1.368 χ^2/NDF : 148309.1/6

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

3486.532 $\pm$ 0.511 χ^2/NDF : 3624744.6/51

3444.361 $\pm$ 0.709 χ^2/NDF : 1915934.4/26

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2935.827 $\pm$ 775.365 χ^2 /NDF: 8.2/16

Left Out: 1041.855 $\pm$ 810.462 χ^2 /NDF: 4.5/7

Right Out: 2449.072 $\pm$ 738.715 χ^2 /NDF: 18.3/19

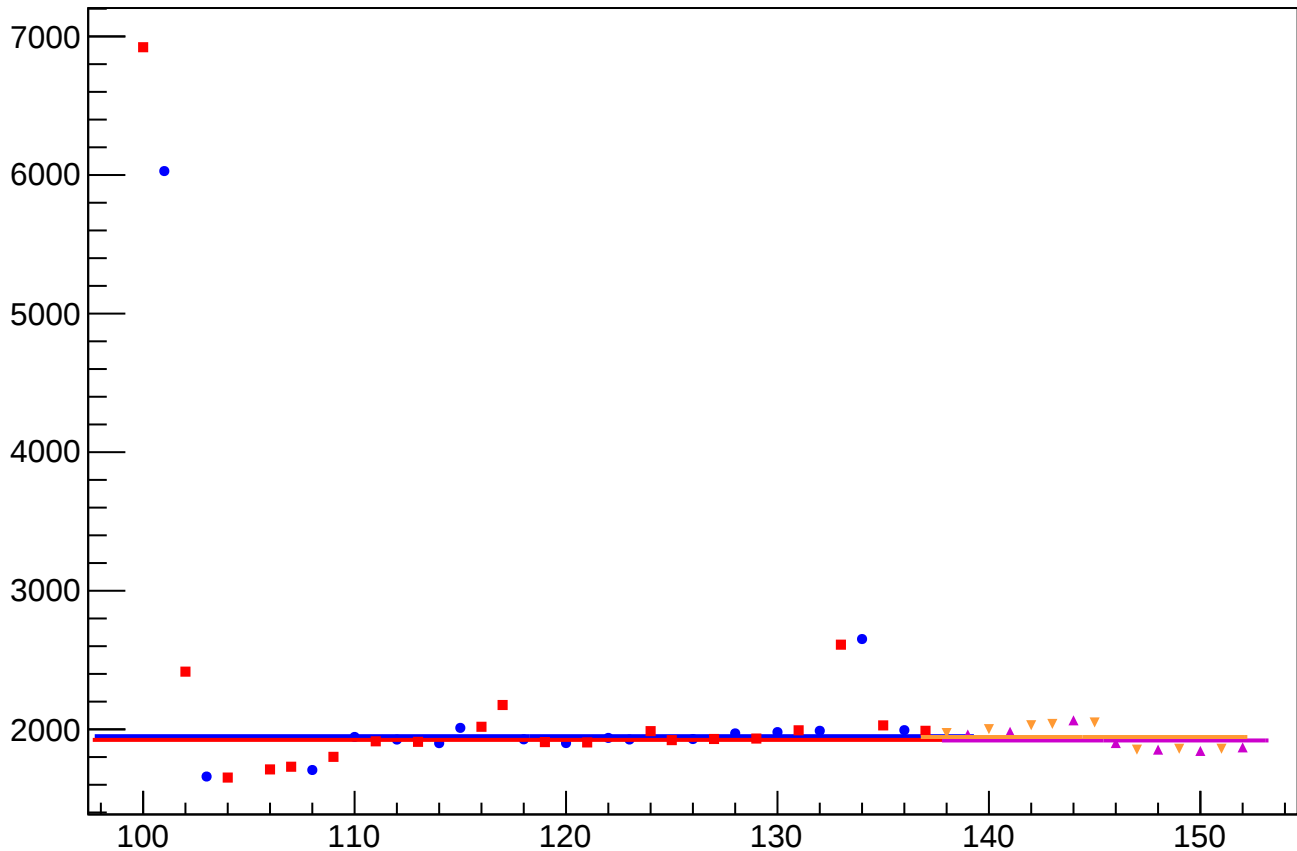
Left In: 3888.916 $\pm$ 802.009 χ^2 /NDF: 16.6/6

2030.738 $\pm$ 560.263 χ^2 /NDF: 15.5/24

2586.875 $\pm$ 390.049 χ^2 /NDF: 53.9/51

3109.943 $\pm$ 543.351 χ^2 /NDF: 36.6/26

reg_asym_atr_avg_rms vs Slug, Sign Corrected



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

Left Out: 1944.583 $\pm$ 0.573 χ^2 /NDF: 20378.6/7

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

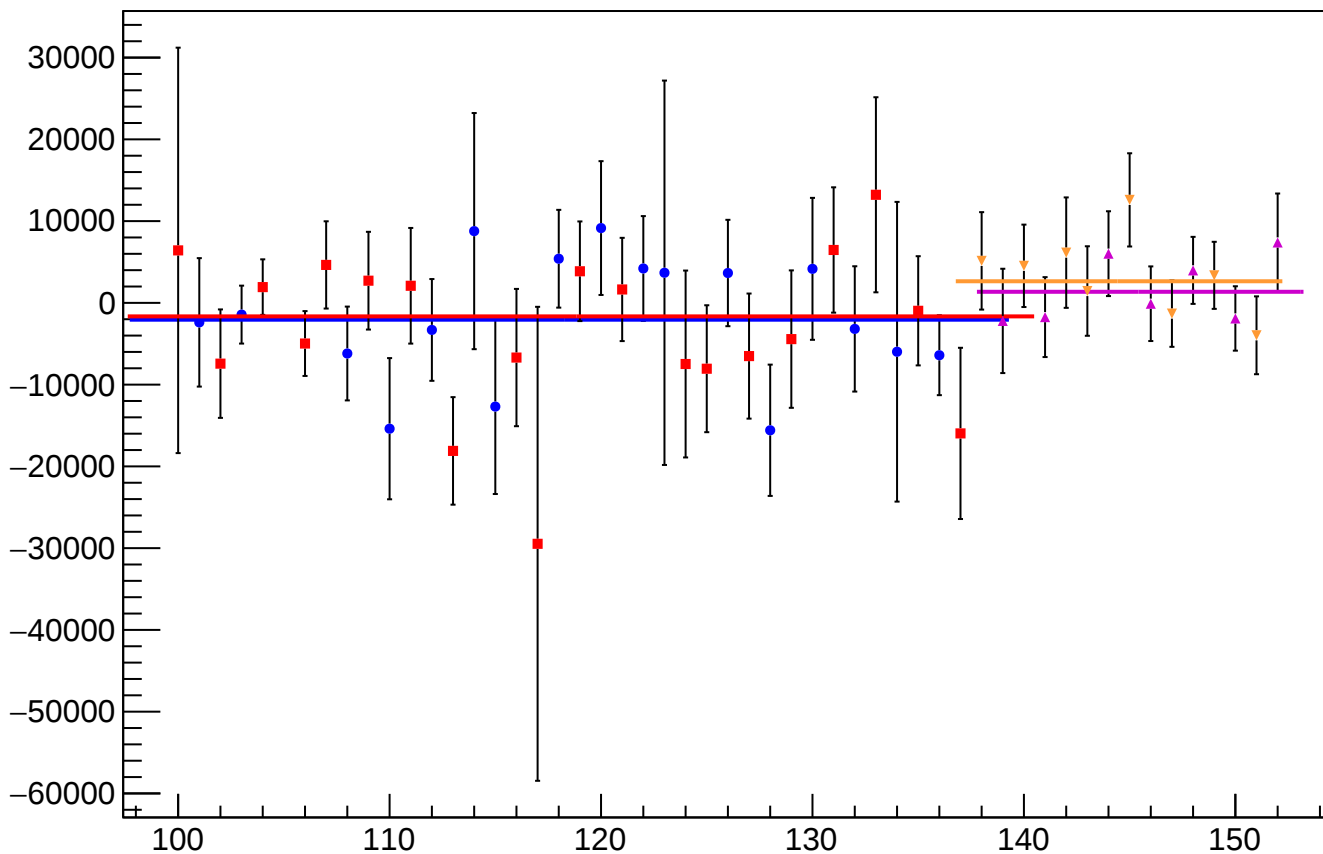
Left In: 1919.762 $\pm$ 0.567 χ^2 /NDF: 17109.1/6

1947.732 $\pm$ 0.396 χ^2 /NDF: 637768.6/24

1934.461 $\pm$ 0.276 χ^2 /NDF: 875552.6/51

1922.009 $\pm$ 0.384 χ^2 /NDF: 235608.7/26

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

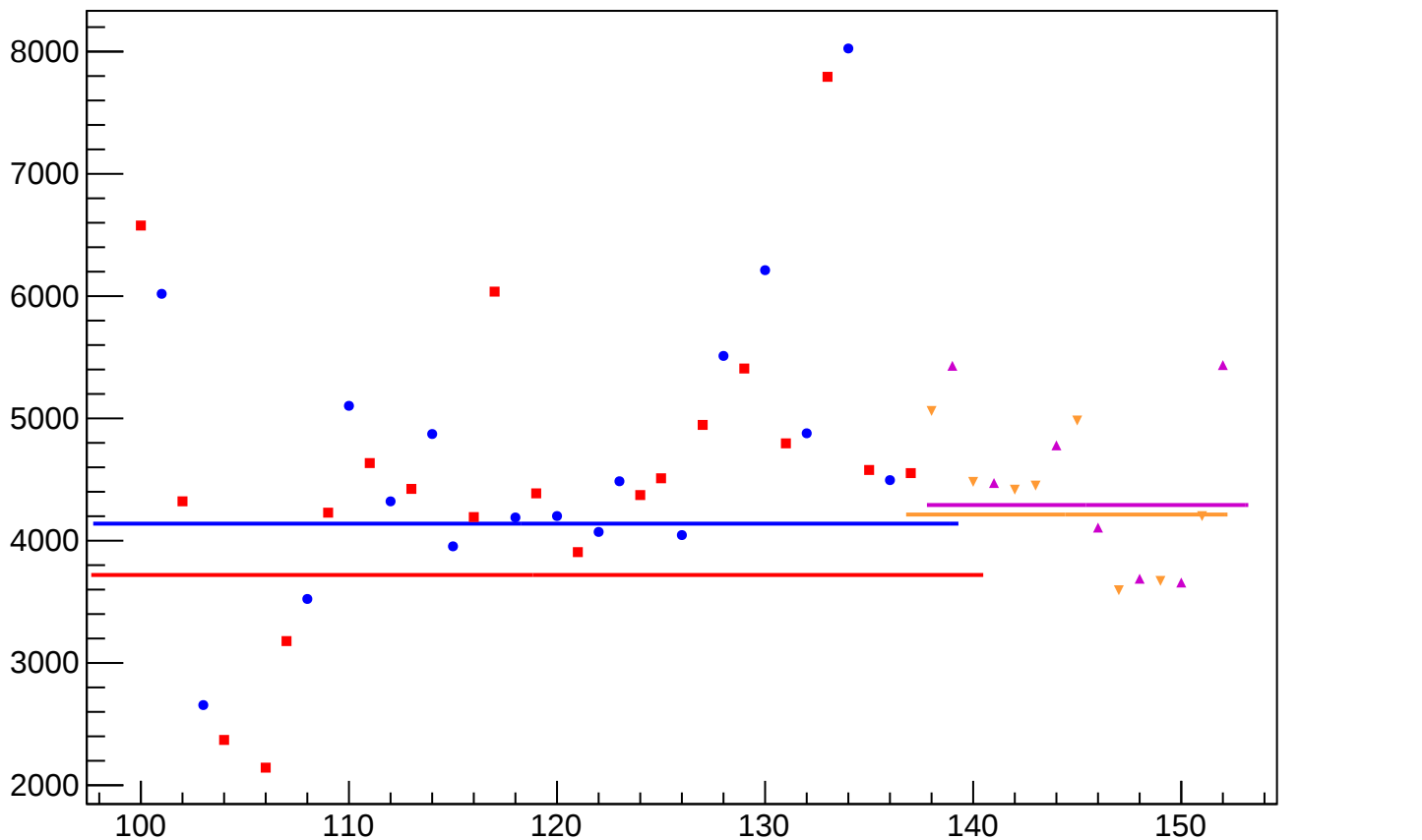
Left In: 1355.970 $\pm$ 1815.204 χ^2 /NDF: 3.7/6

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

-175.662 $\pm$ 832.480 χ^2 /NDF: 49.3/51

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

asym_atr_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 4213.897 $\pm$ 1.255 χ^2/NDF : 169427.1/7

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

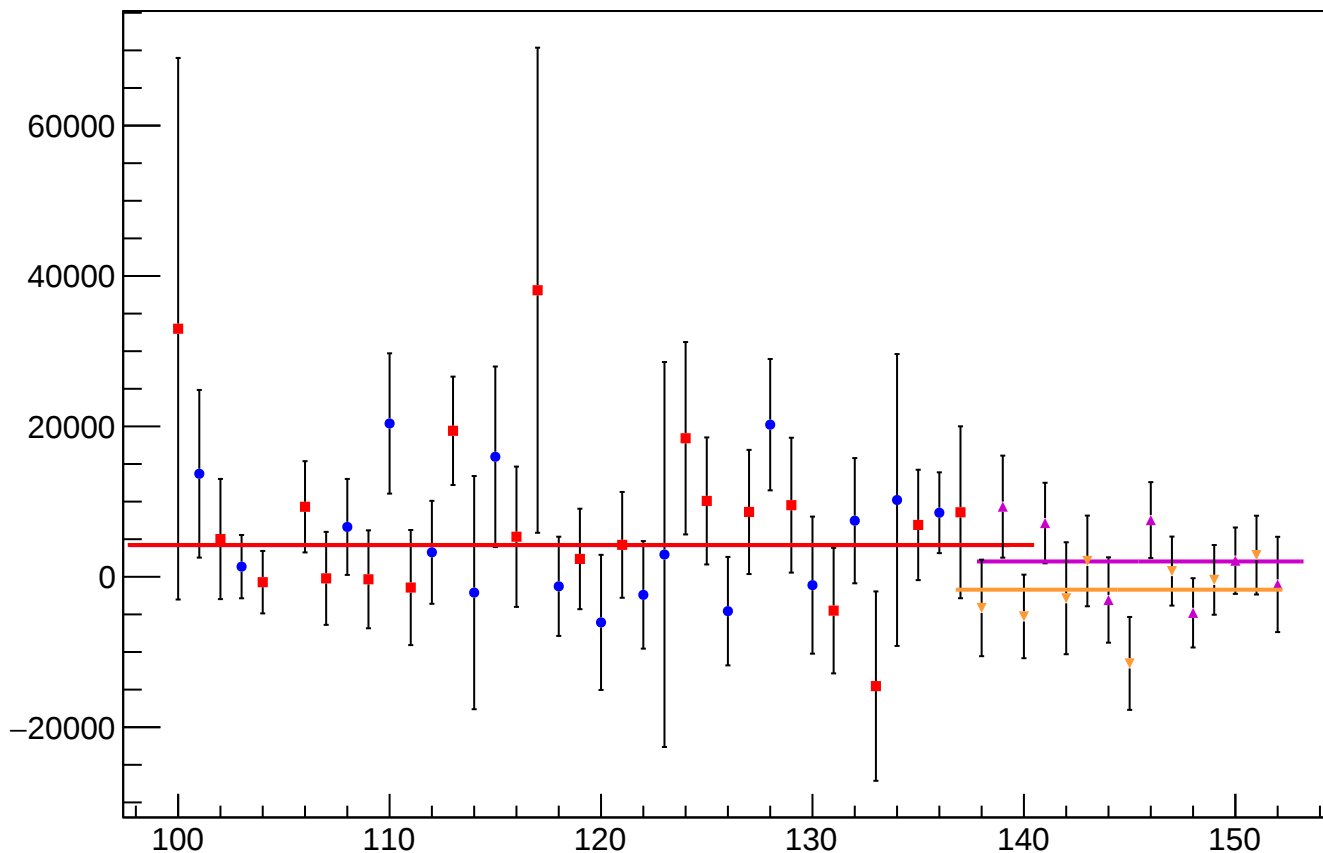
Left In: 4291.736 $\pm$ 1.284 χ^2/NDF : 255534.4/6

4174.196 $\pm$ 0.857 χ^2/NDF : 984857.3/24

4054.190 $\pm$ 0.589 χ^2/NDF : 2685755.1/51

3947.194 $\pm$ 0.810 χ^2/NDF : 1663842.4/26

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

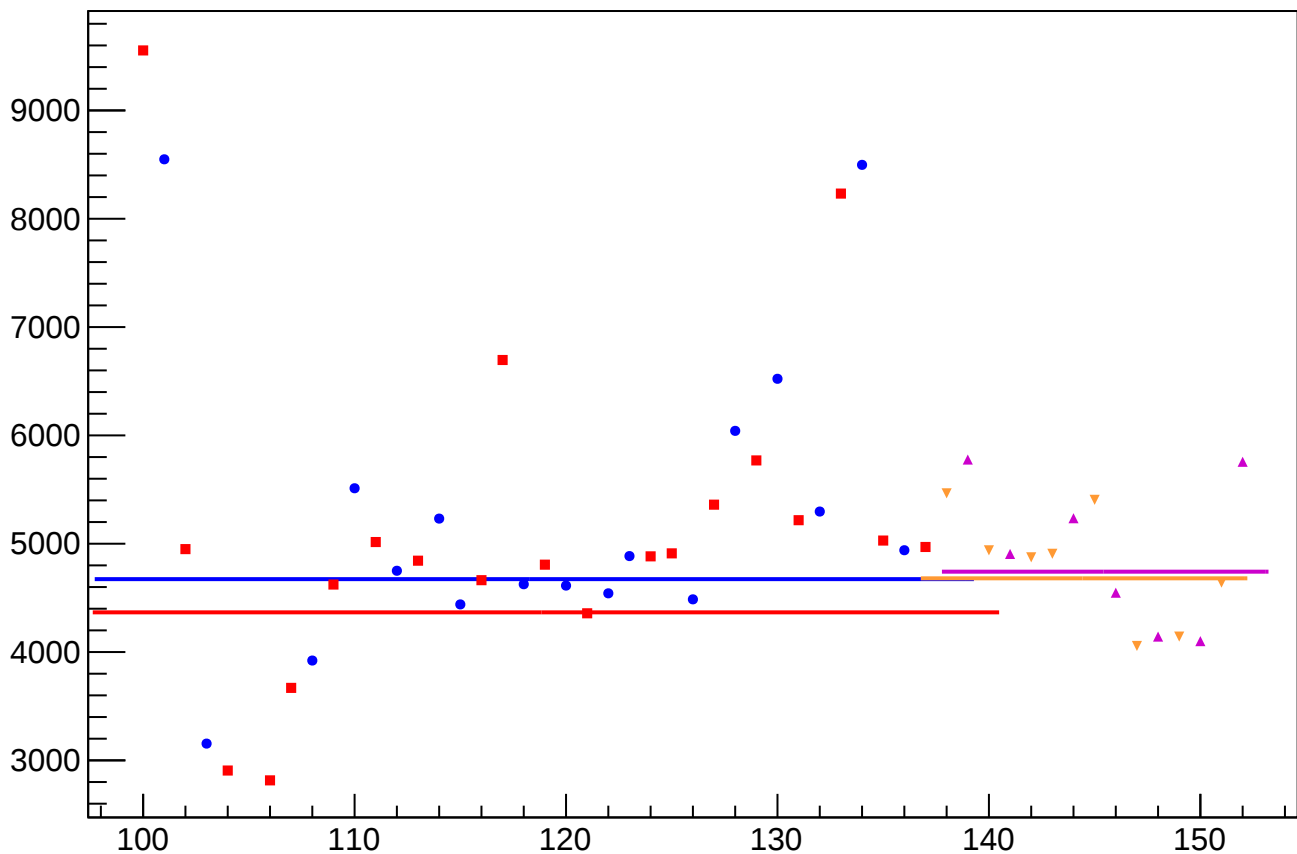
Left In: 2039.338+/-1998.959 χ^2/NDF : 6.5/6

1393.300+/-1355.151 χ^2/NDF : 23.8/24

2380.800+/-940.020 χ^2/NDF : 47.9/51

3296.622+/-1305.042 χ^2/NDF : 23.1/26

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

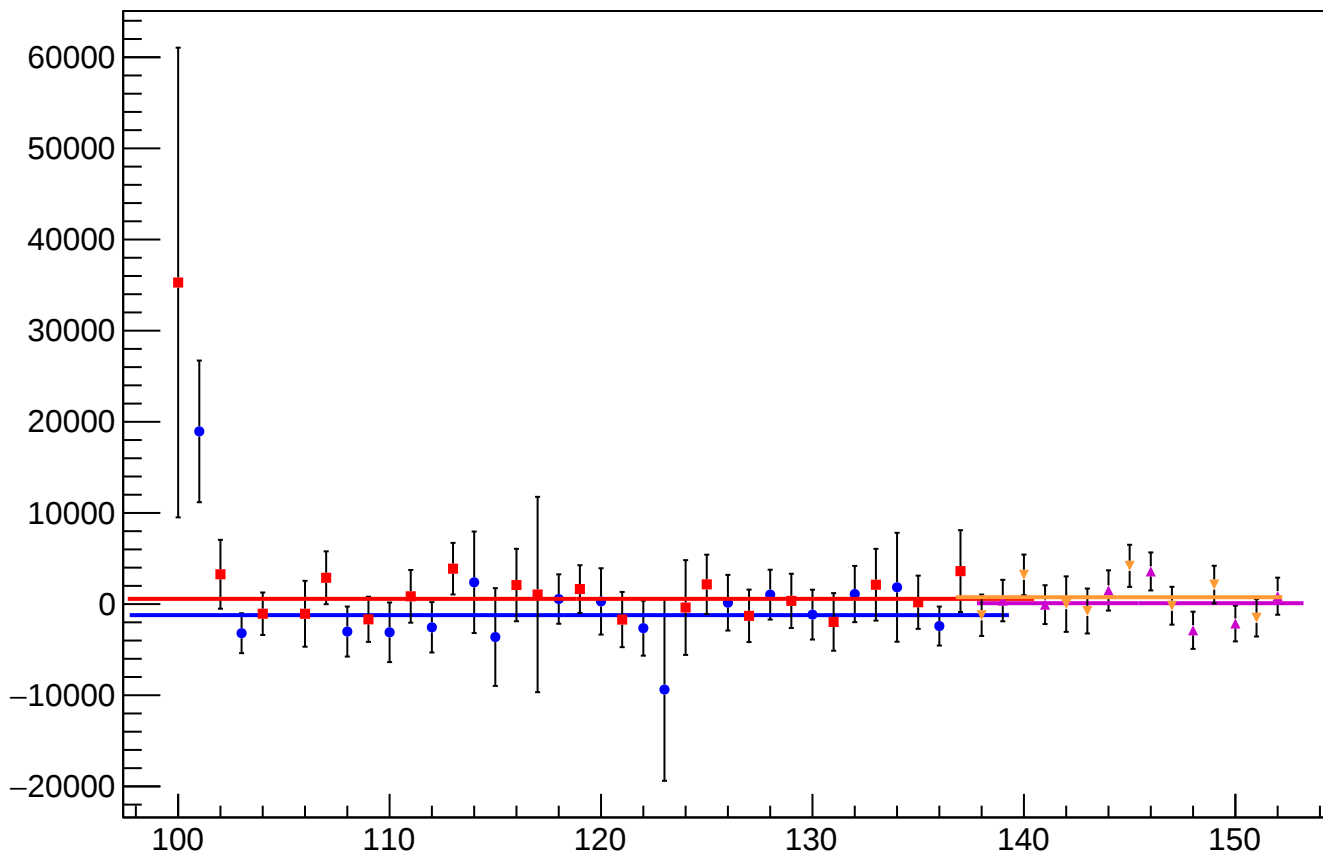
Left In: 4741.950 $\pm$ 1.413 χ^2 /NDF:193866.4/6

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

4597.910 $\pm$ 0.664 χ^2 /NDF: 1997527.1/51

4525.423 $\pm$ 0.920 χ^2 /NDF: 1077219.1/26

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

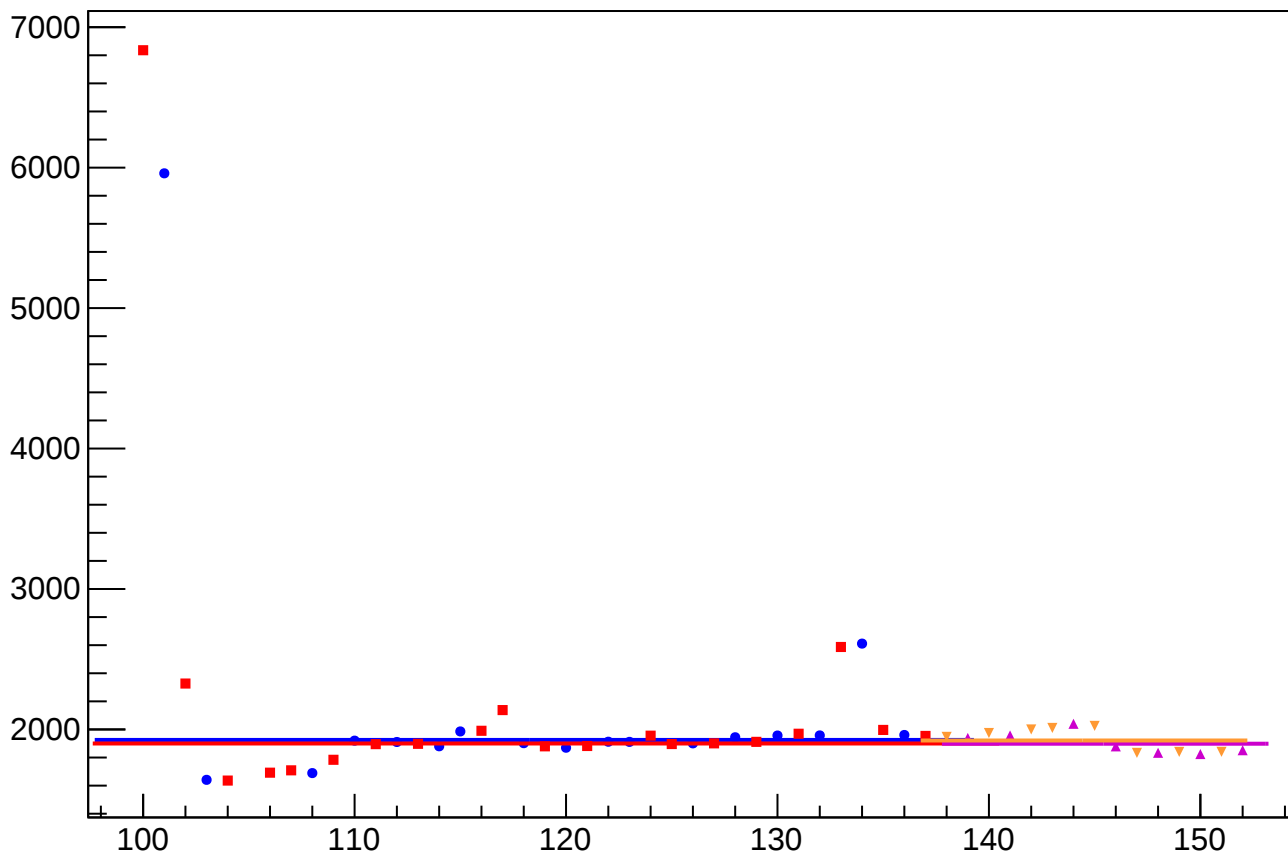
Left In: 99.747 ± 793.032 χ^2/NDF : 6.8/6

-272.618 ± 553.250 χ^2/NDF : 22.3/24

52.119 ± 385.216 χ^2/NDF : 38.6/51

357.699 ± 536.683 χ^2/NDF : 15.7/26

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

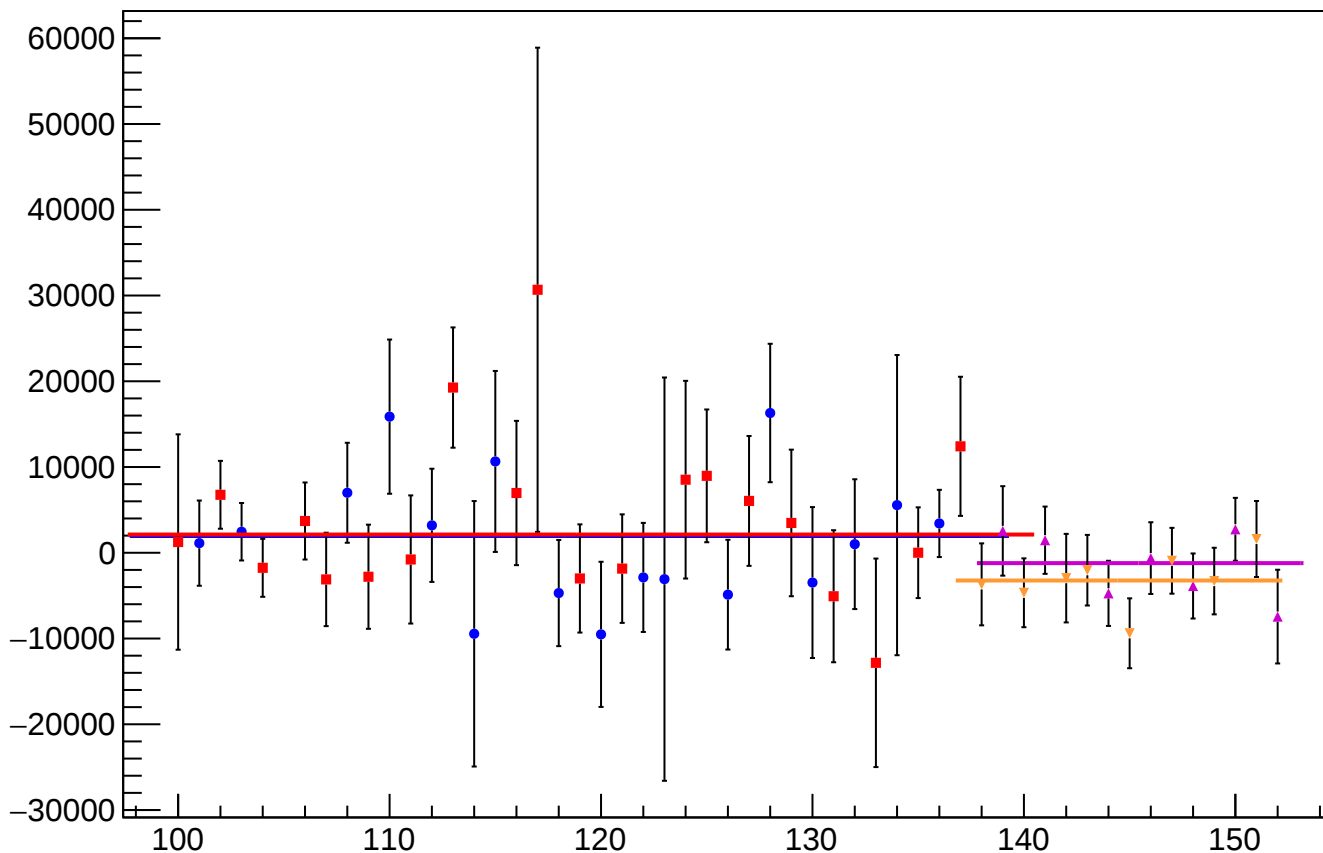
Left In: 1898.355+/-0.561 χ^2 /NDF: 16446.8/6

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

1910.931+/-0.272 χ^2 /NDF: 865384.9/51

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

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

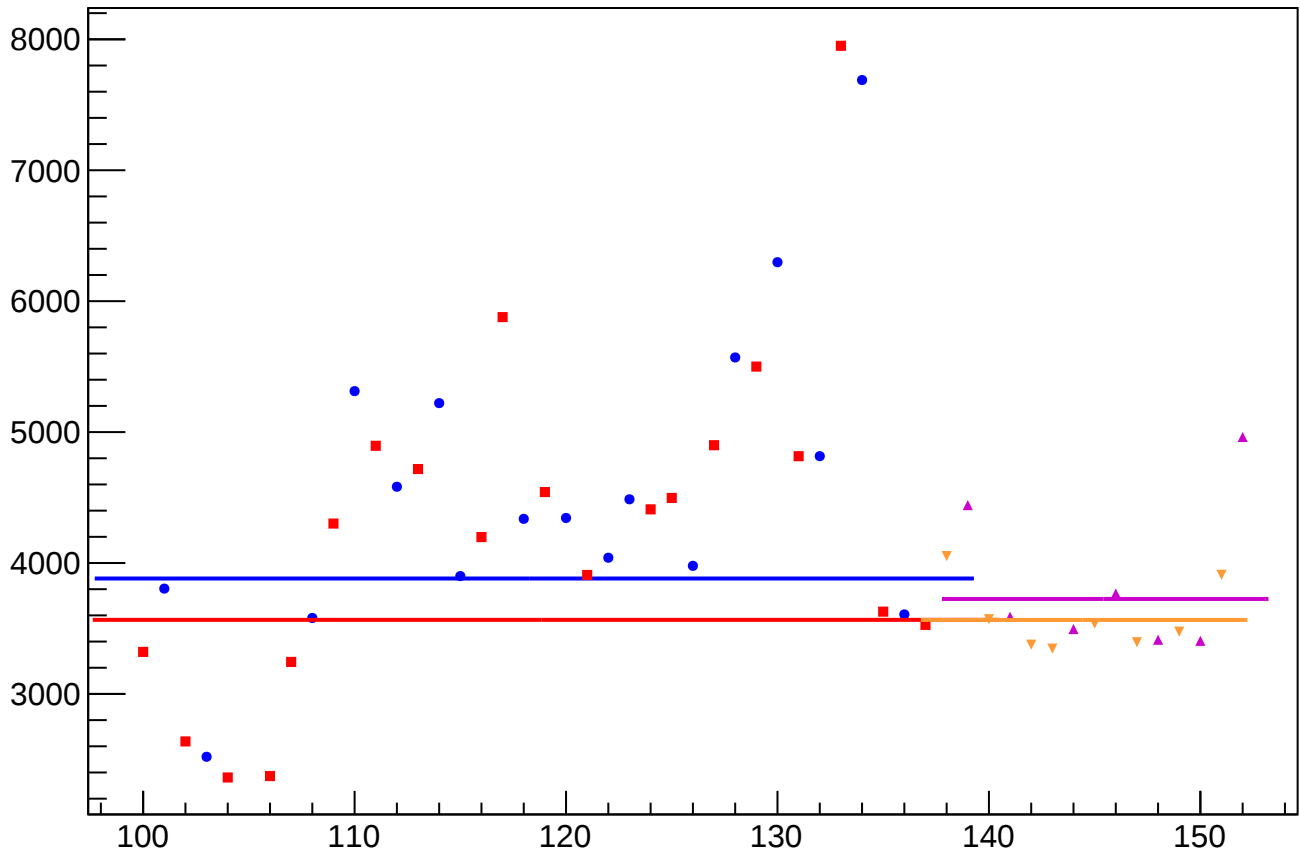
Left In: -1206.468 $\pm$ 1570.319 χ^2 /NDF: 4.8/6

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

-35.403 $\pm$ 752.207 χ^2 /NDF: 49.4/51

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

asym_atr_dd_correction_rms vs Slug, Sign Corrected



Right In: 3881.577 $\pm$ 1.101 χ^2 /NDF: 817466.6/16

Left Out: 3565.256 $\pm$ 1.057 χ^2 /NDF: 46376.4/7

Right Out: 3565.851 $\pm$ 0.998 χ^2 /NDF: 1254973.6/19

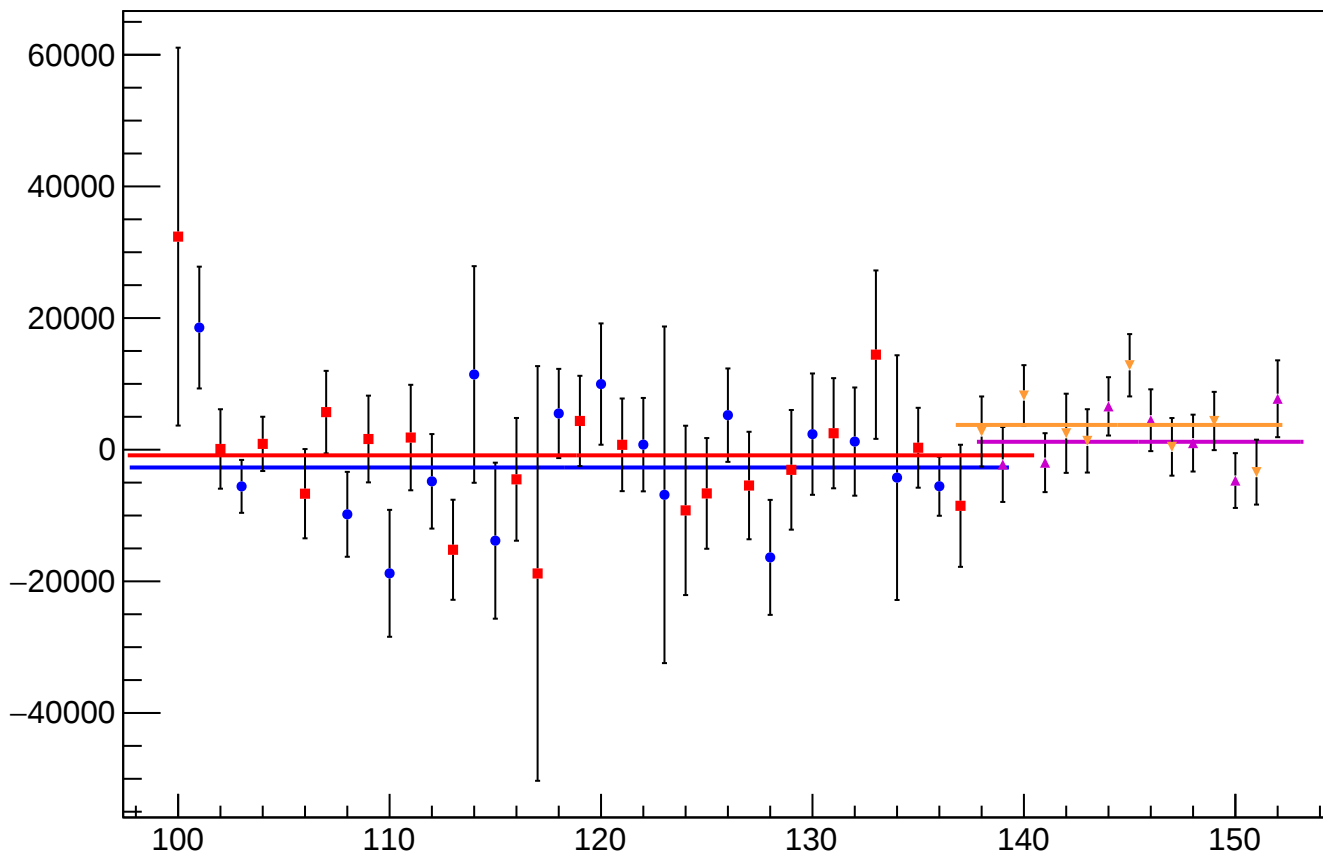
Left In: 3725.411 $\pm$ 1.110 χ^2 /NDF: 178897.9/6

3716.981 $\pm$ 0.762 χ^2 /NDF: 906805.7/24

3676.018 $\pm$ 0.532 χ^2 /NDF: 2357719.5/51

3637.178 $\pm$ 0.742 χ^2 /NDF: 1445290.1/26

asym_atr_dd_mean vs Slug, Sign Corrected



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

Left Out: 3763.249 $\pm$ 1710.527 χ^2 /NDF: 7.6/7

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

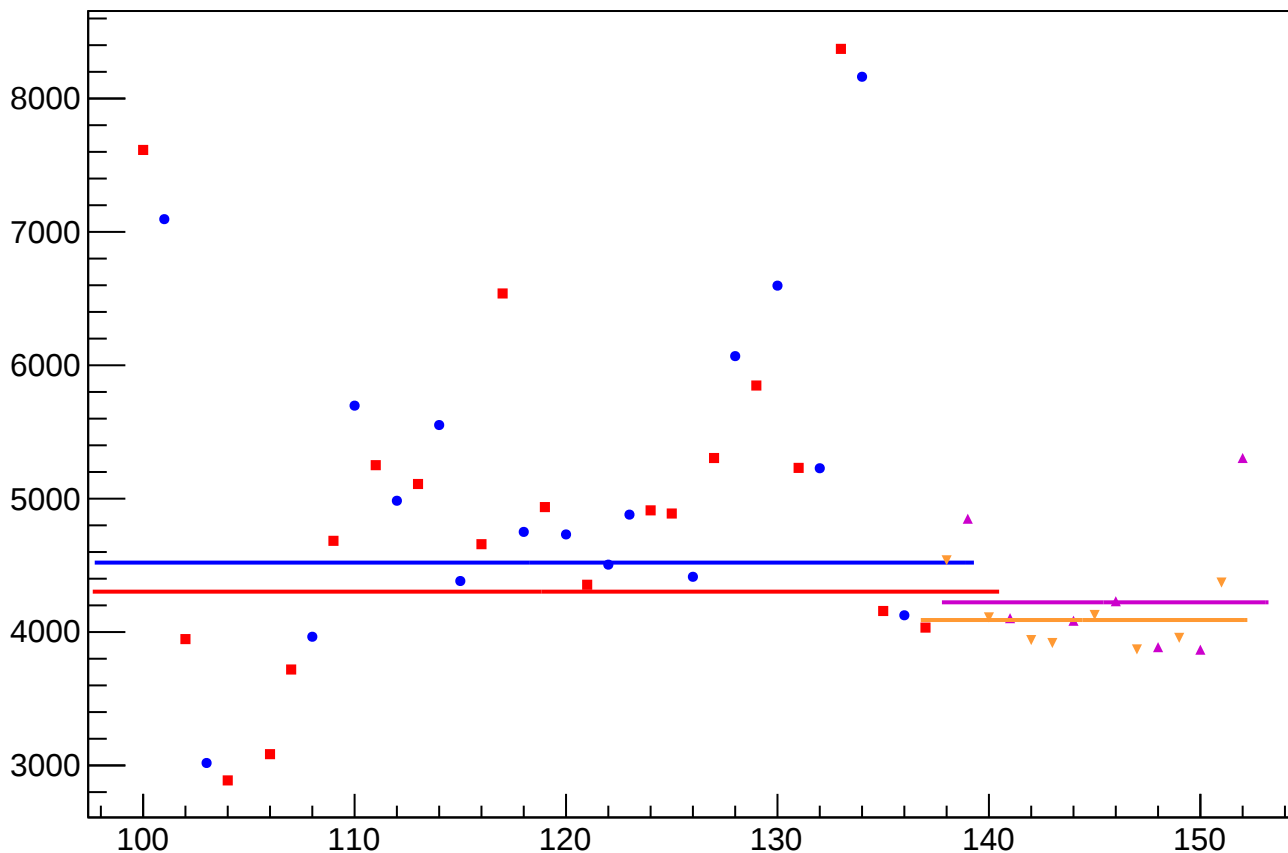
Left In: 1200.938 $\pm$ 1774.188 χ^2 /NDF: 6.1/6

712.086 $\pm$ 1242.898 χ^2 /NDF: 34.1/24

411.446 $\pm$ 871.706 χ^2 /NDF: 52.9/51

120.401 $\pm$ 1222.903 χ^2 /NDF: 18.7/26

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

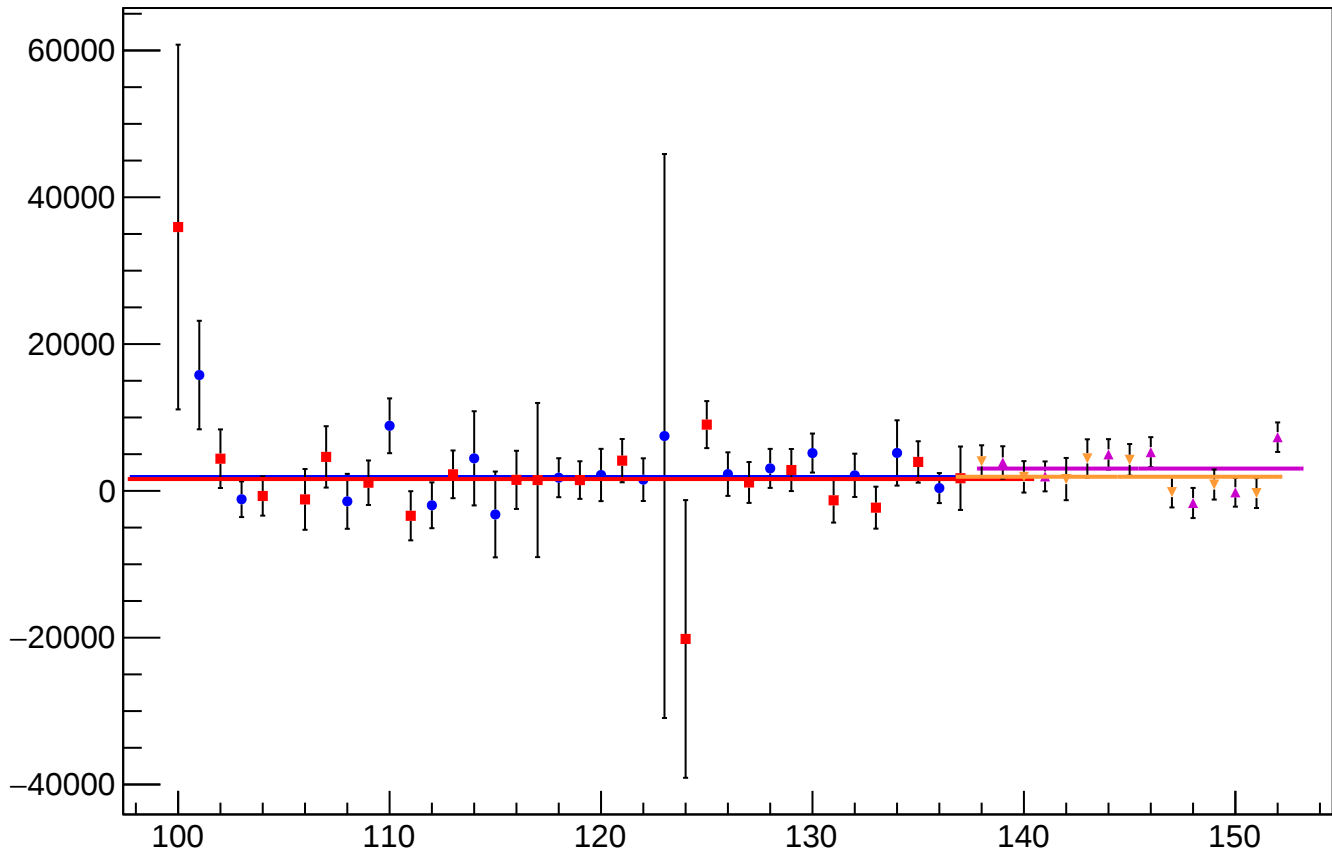
Left In: 4222.876 $\pm$ 1.255 χ^2 /NDF: 122971.8/6

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

4278.989 $\pm$ 0.615 χ^2 /NDF: 1769666.3/51

4265.098 $\pm$ 0.862 χ^2 /NDF: 907004.5/26

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

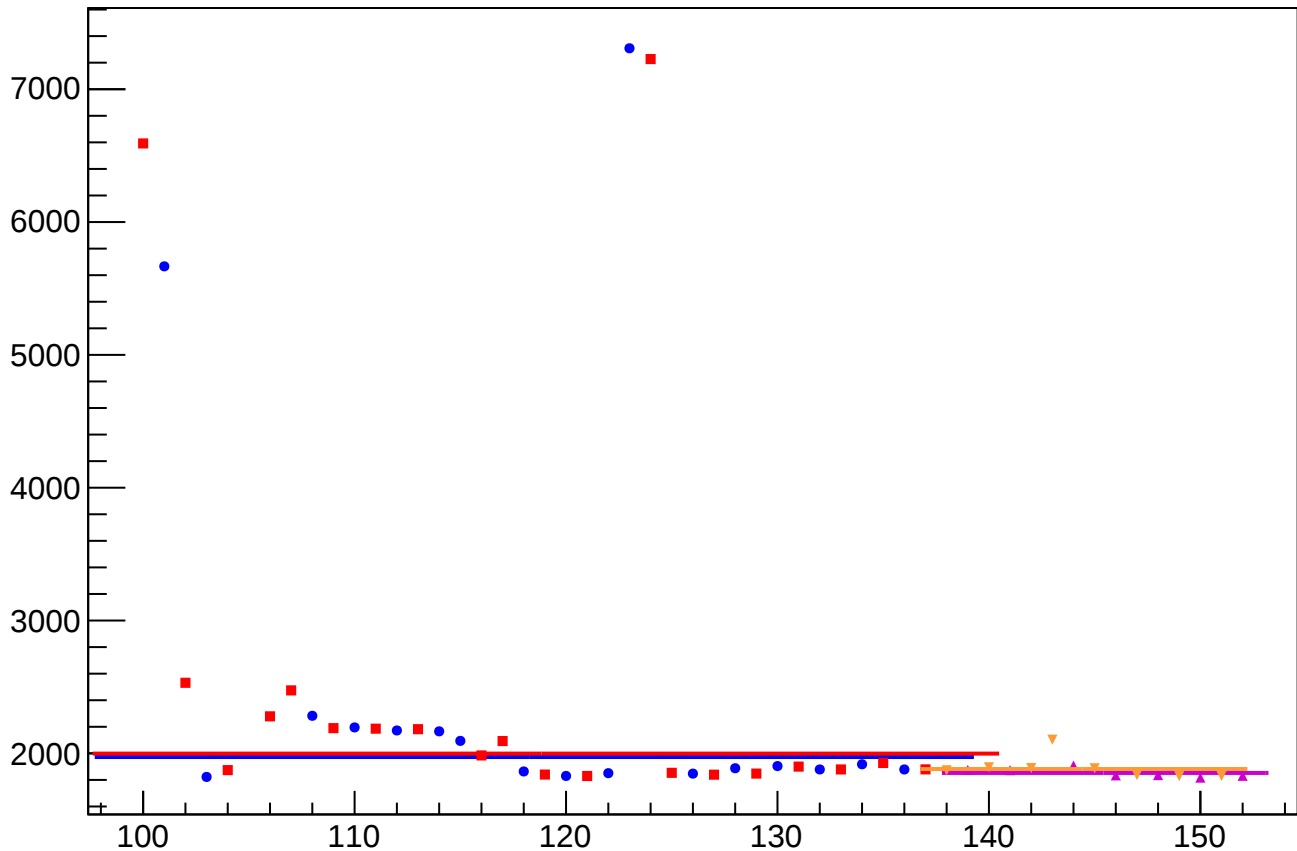
Left In: 3039.719+/-774.926 χ^2/NDF : 15.0/6

1906.033+/-555.001 χ^2/NDF : 20.1/24

2114.276+/-388.491 χ^2/NDF : 54.6/51

2314.335+/-543.984 χ^2/NDF : 34.2/26

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

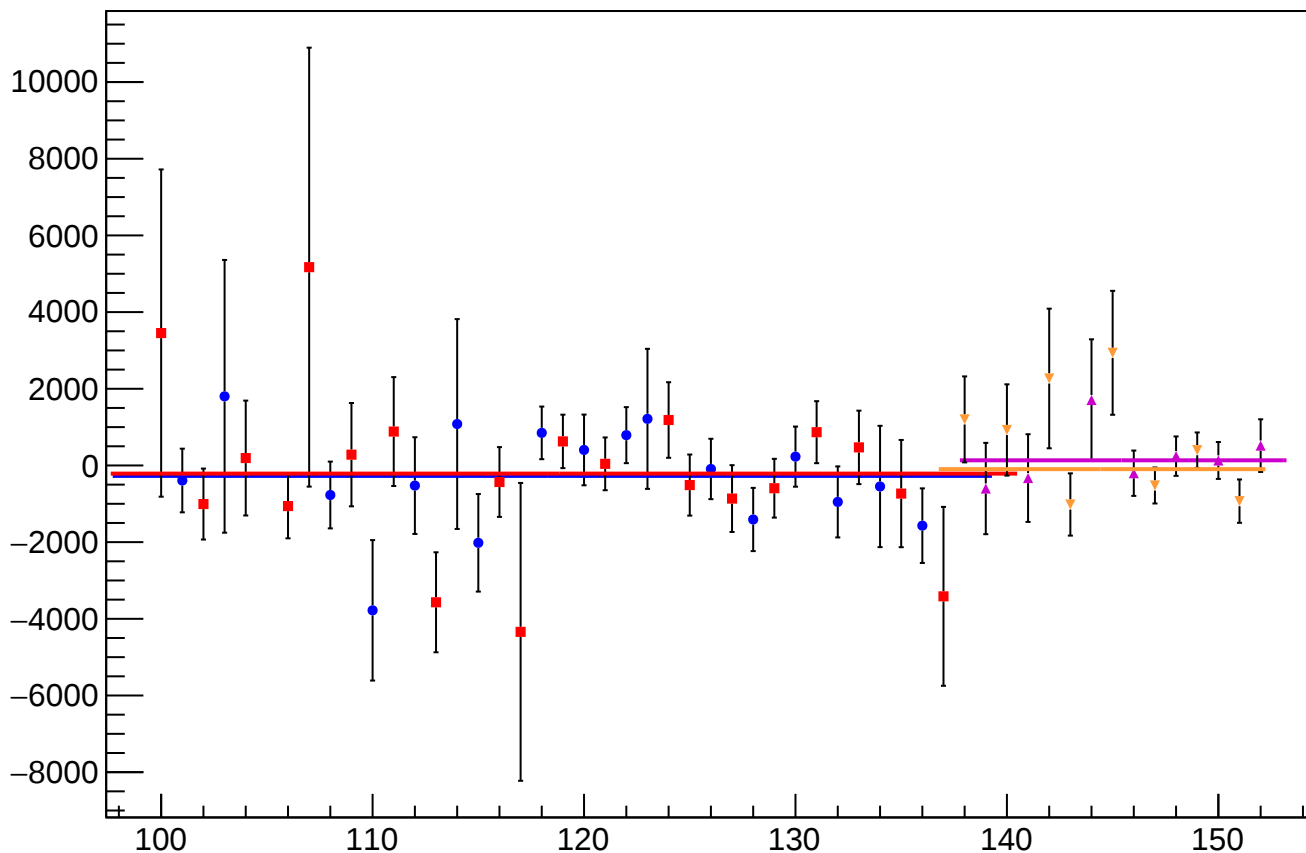
Left In: 1852.565+/-0.548 χ^2/NDF : 3041.5/6

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

1926.881+/-0.275 χ^2/NDF : 1026935.0/51

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

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

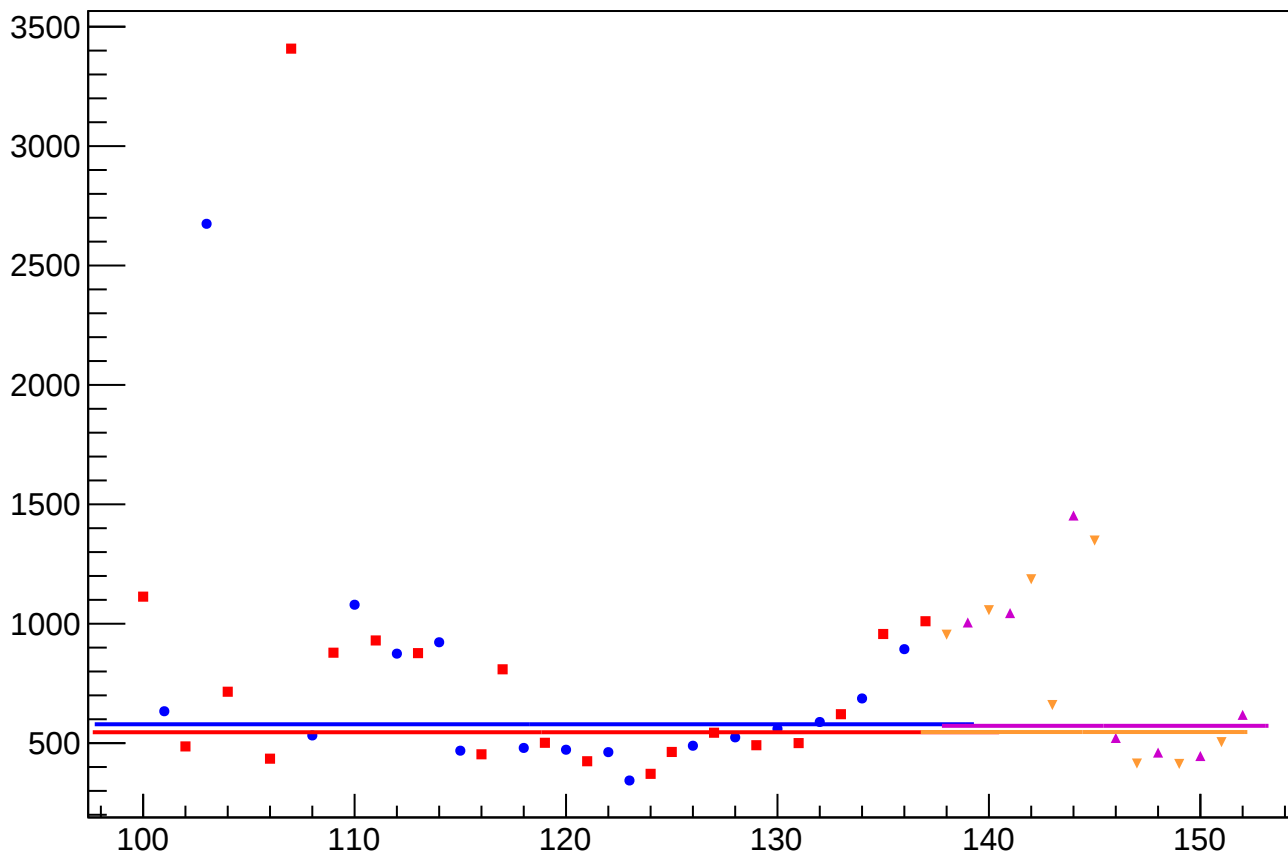
Left In: 134.185+/-258.575 χ^2/NDF :2.2/6

-187.477+/-173.103 χ^2/NDF : 30.2/24

-123.334+/-121.754 χ^2/NDF : 54.6/51

-60.534+/-171.283 χ^2/NDF : 24.1/26

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

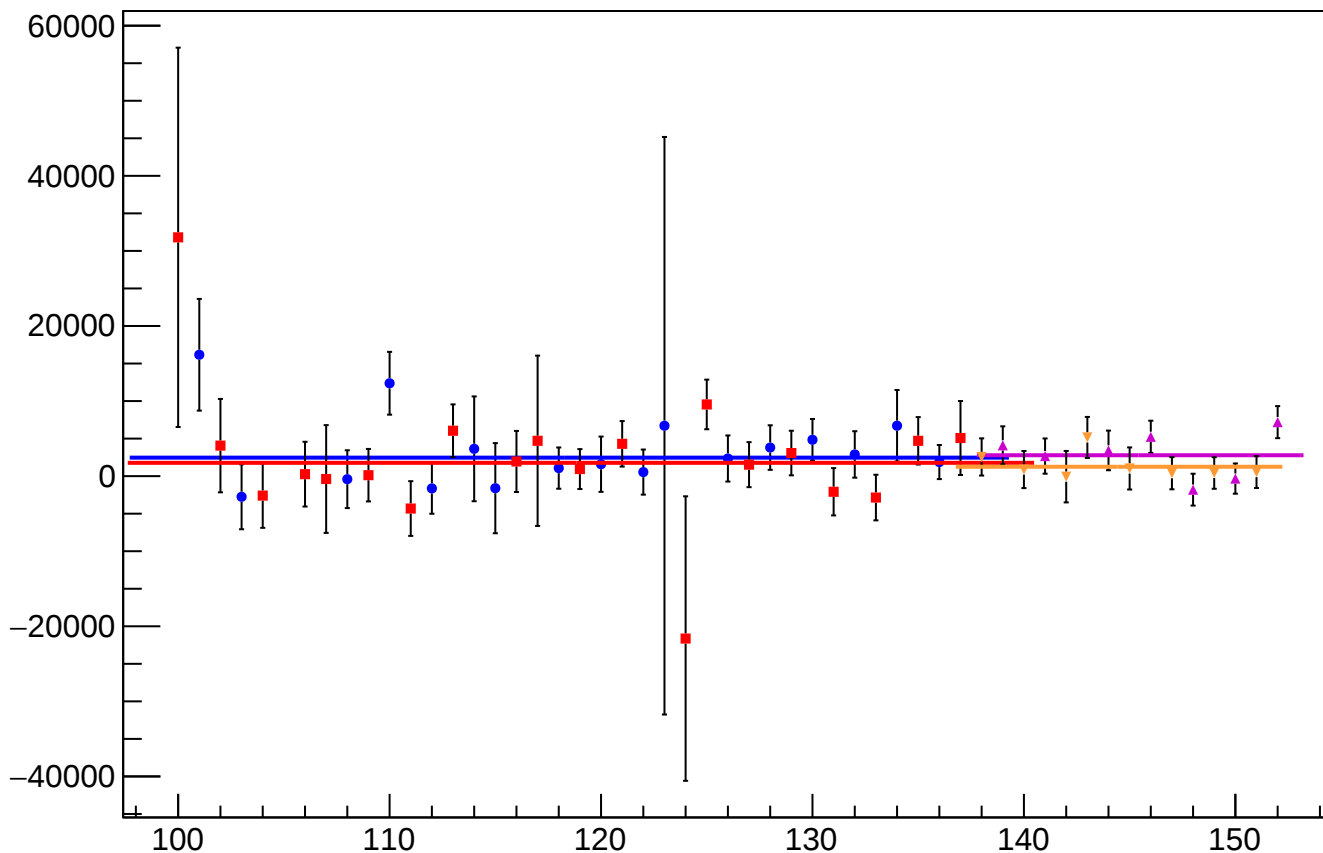
Left In: 572.504 +/- 0.183 χ^2/NDF : 1480550.7/6

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

560.361 +/- 0.086 χ^2/NDF : 6146473.6/51

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

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

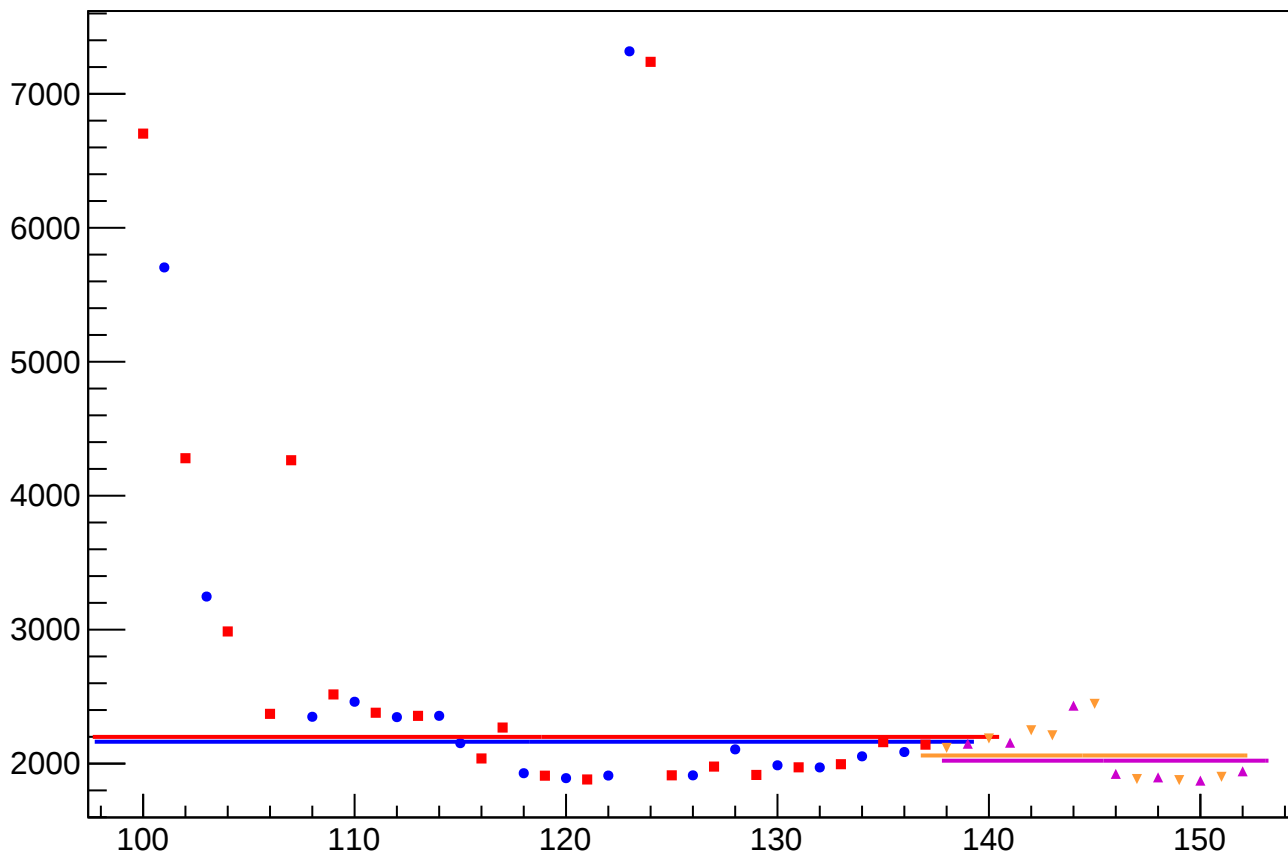
Left In: 2782.264 $\pm$ 848.901 χ^2/NDF : 13.0/6

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

2071.939 $\pm$ 428.347 χ^2/NDF : 53.9/51

2279.010 $\pm$ 600.965 χ^2/NDF : 34.2/26

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

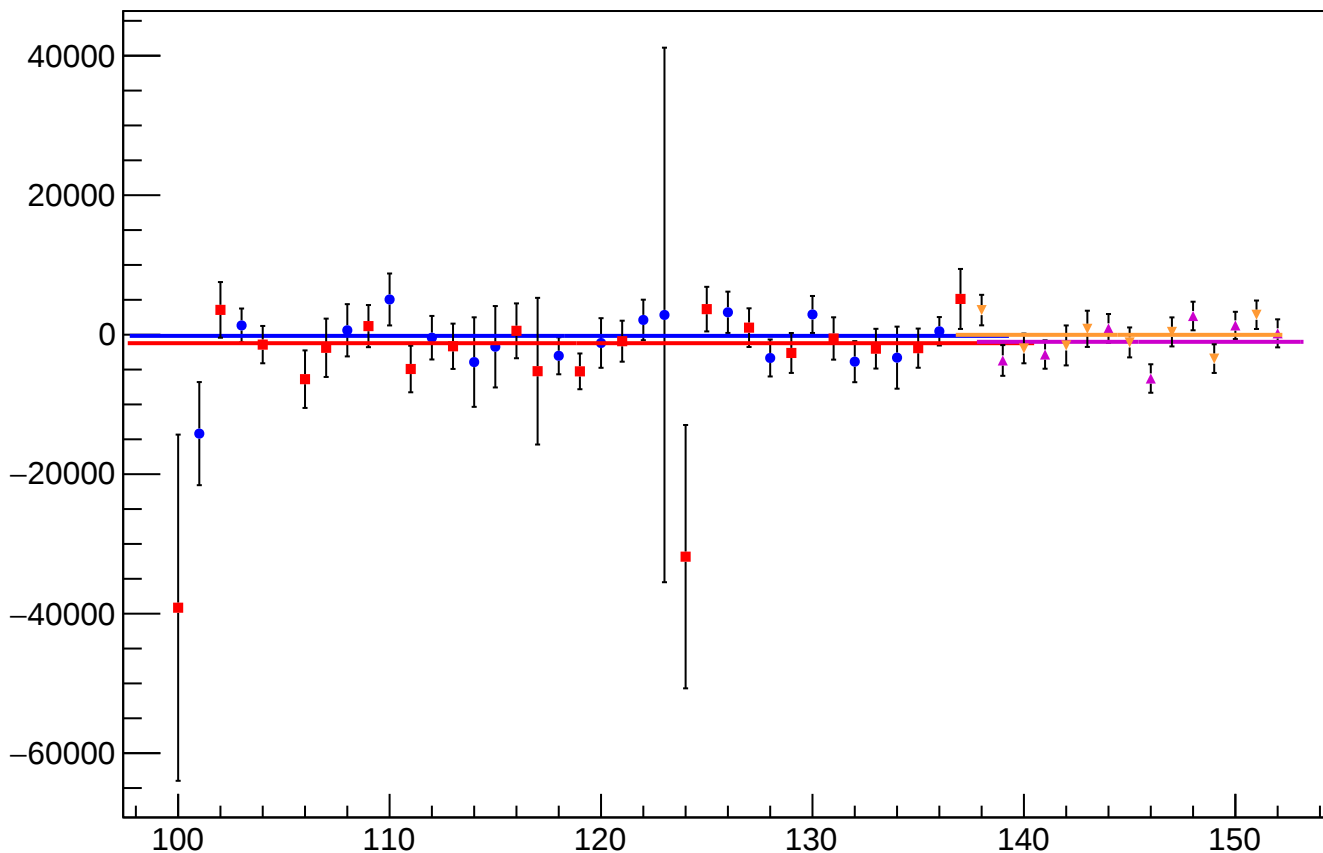
Left In: 2021.834+/-0.600 χ^2/NDF :84769.4/6

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

2111.203+/-0.303 χ^2/NDF : 1751738.1/51

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

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

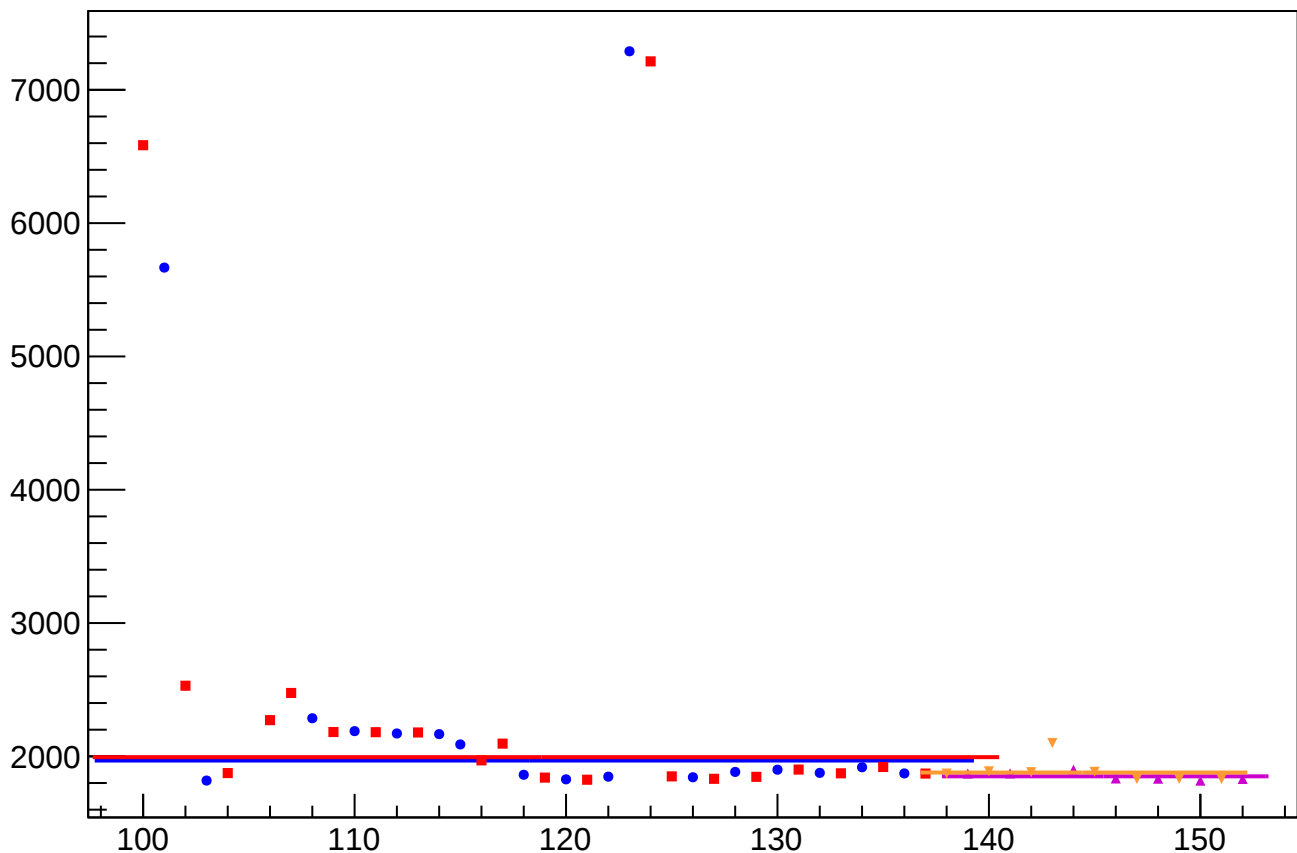
Left In: -1023.874+/-773.935 χ^2/NDF : 14.8/6

-96.023+/-554.003 χ^2/NDF : 23.5/24

-619.637+/-387.817 χ^2/NDF : 58.4/51

-1122.797+/-543.074 χ^2/NDF : 33.2/26

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

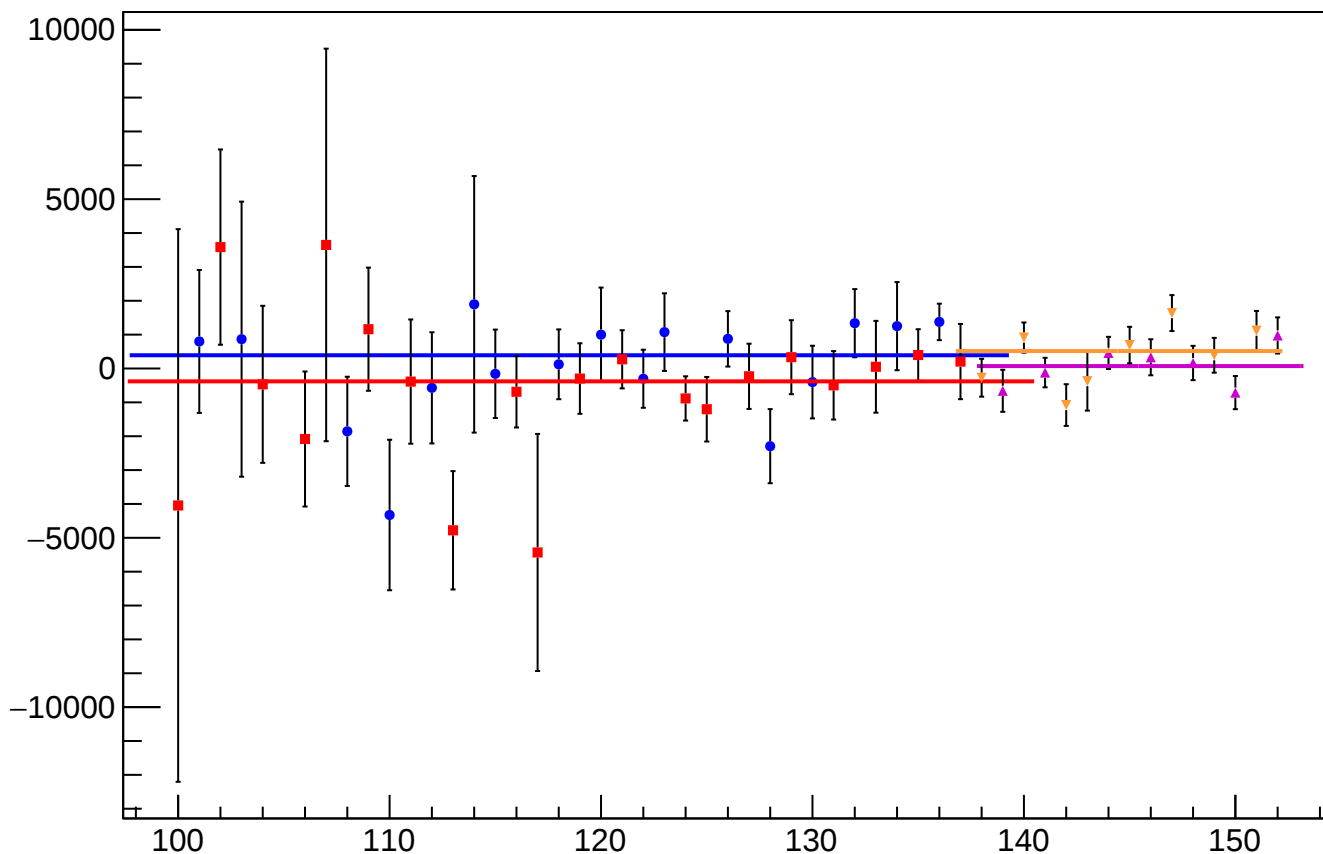
Left In: 1850.238+/-0.547 χ^2/NDF : 2603.2/6

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

1923.488+/-0.274 χ^2/NDF : 1028030.7/51

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

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

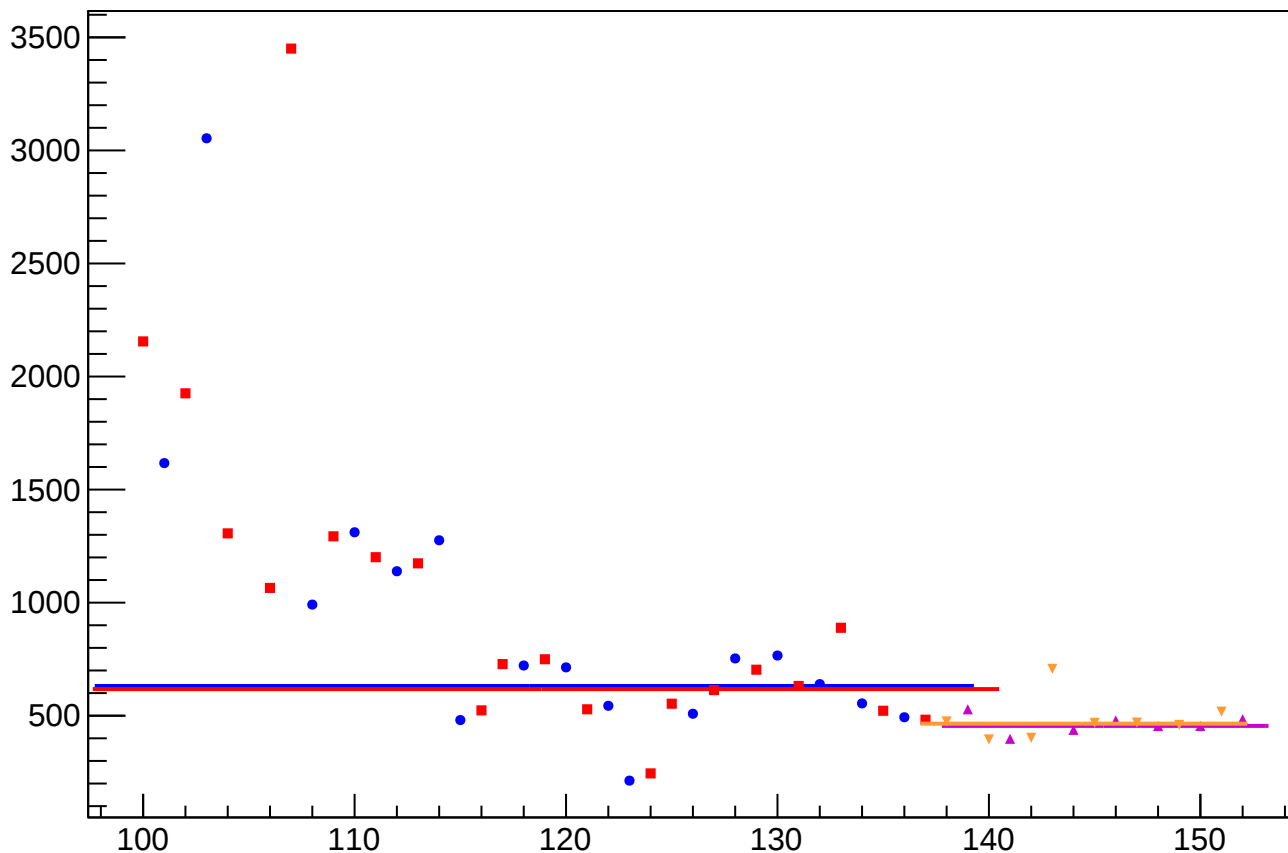
Left In: 71.308 $\pm$ 191.049 χ^2 /NDF:7.9/6

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

187.930 $\pm$ 110.953 χ^2 /NDF: 68.8/51

-82.728 $\pm$ 155.040 χ^2 /NDF: 26.2/26

asym_at1_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 464.819+/-0.139 χ^2/NDF : 242344.2/7

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

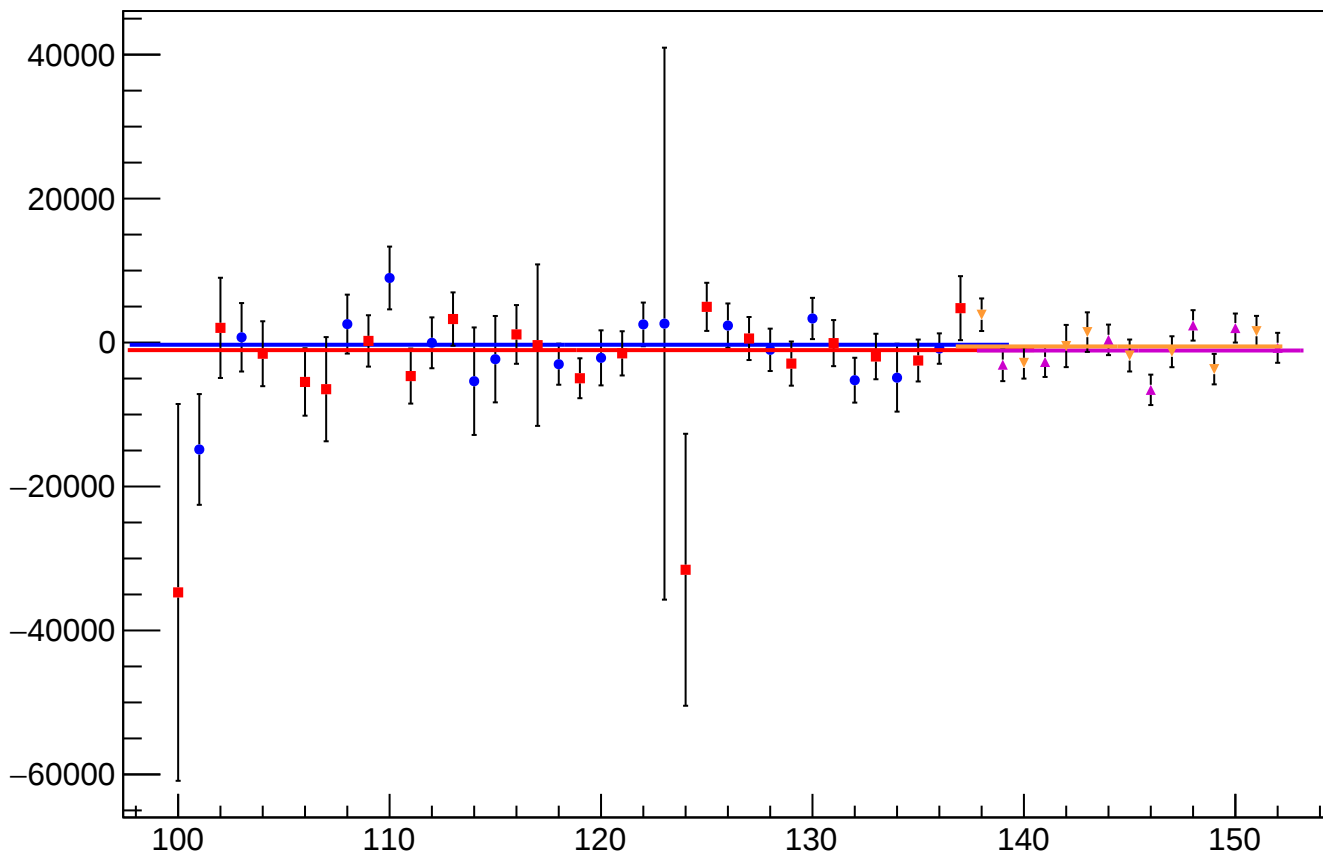
Left In: 454.959+/-0.135 χ^2/NDF : 75428.3/6

522.436+/-0.112 χ^2/NDF : 3000763.3/24

516.331+/-0.078 χ^2/NDF : 6381466.7/51

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

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

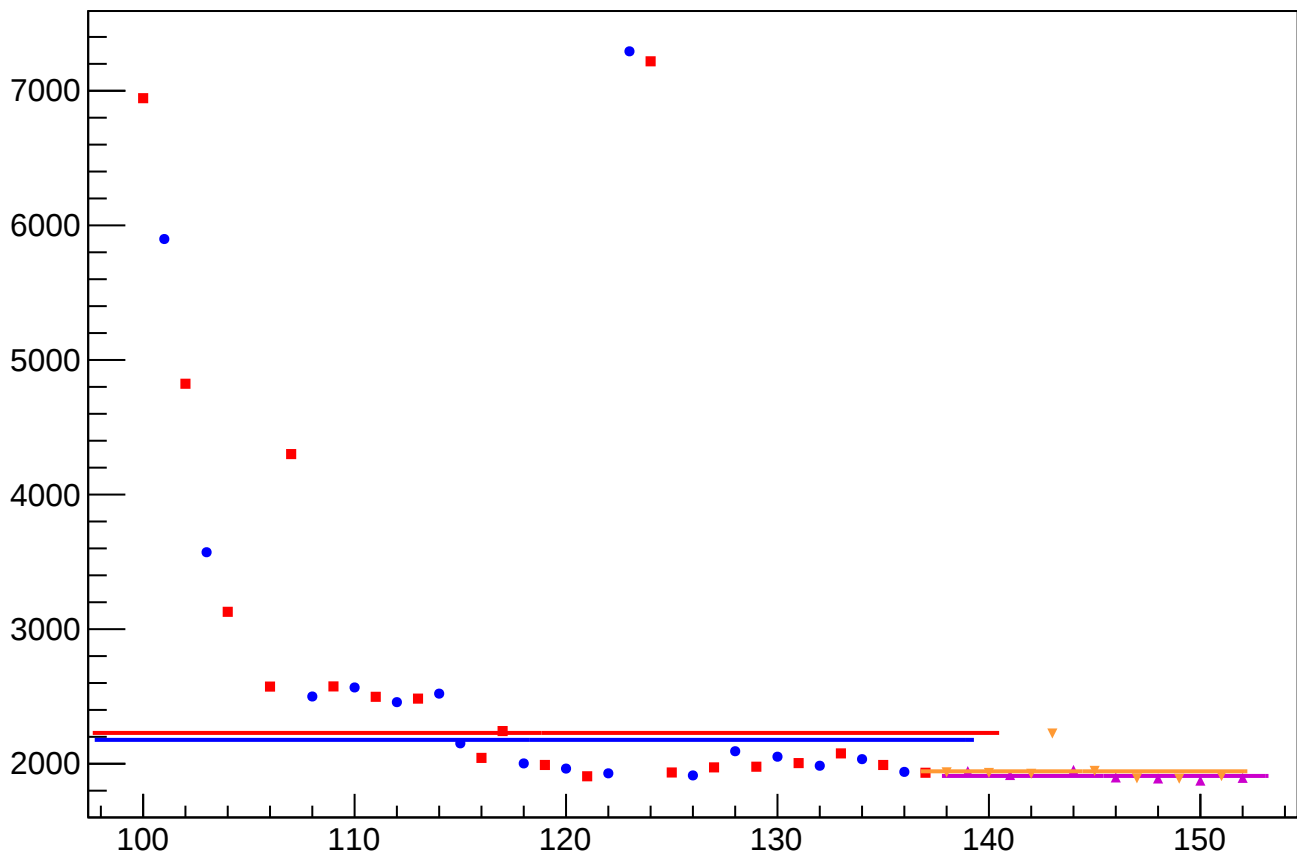
Left In: -1105.721+/-798.646 χ^2/NDF : 13.6/6

-431.457+/-594.186 χ^2/NDF : 26.2/24

-760.488+/-417.497 χ^2/NDF : 57.1/51

-1081.326+/-586.743 χ^2/NDF : 30.3/26

asym_at1_dd_rms vs Slug, Sign Corrected



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

Left Out: 1943.880+/-0.574 χ^2/NDF : 24141.6/7

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

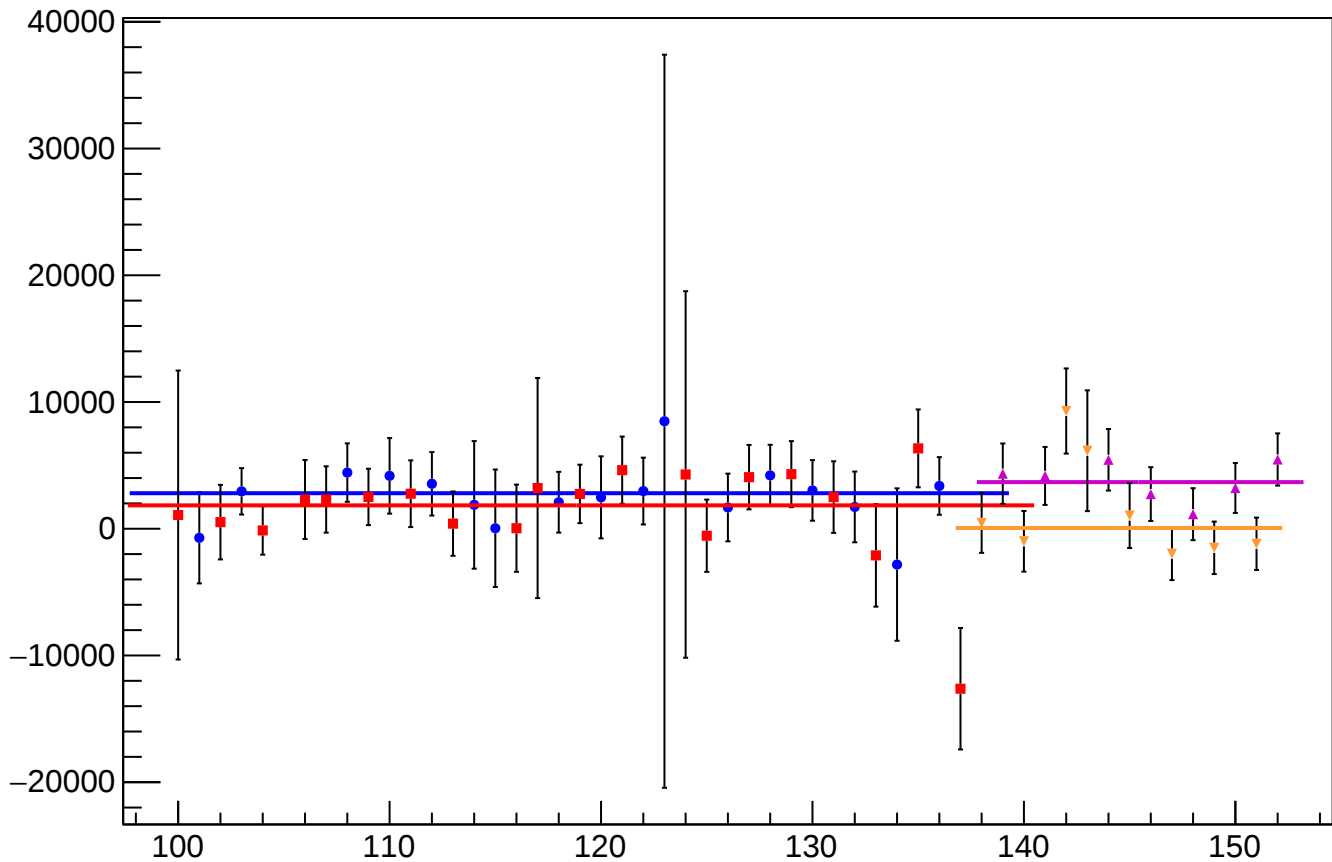
Left In: 1909.507+/-0.565 χ^2/NDF : 2319.2/6

2052.347+/-0.420 χ^2/NDF : 903845.1/24

2054.501+/-0.295 χ^2/NDF : 1949431.9/51

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

reg_asym_at2_avg_mean vs Slug, Sign Corrected



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

Left Out: 58.875 ± 864.787 χ^2/NDF : 11.4/7

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

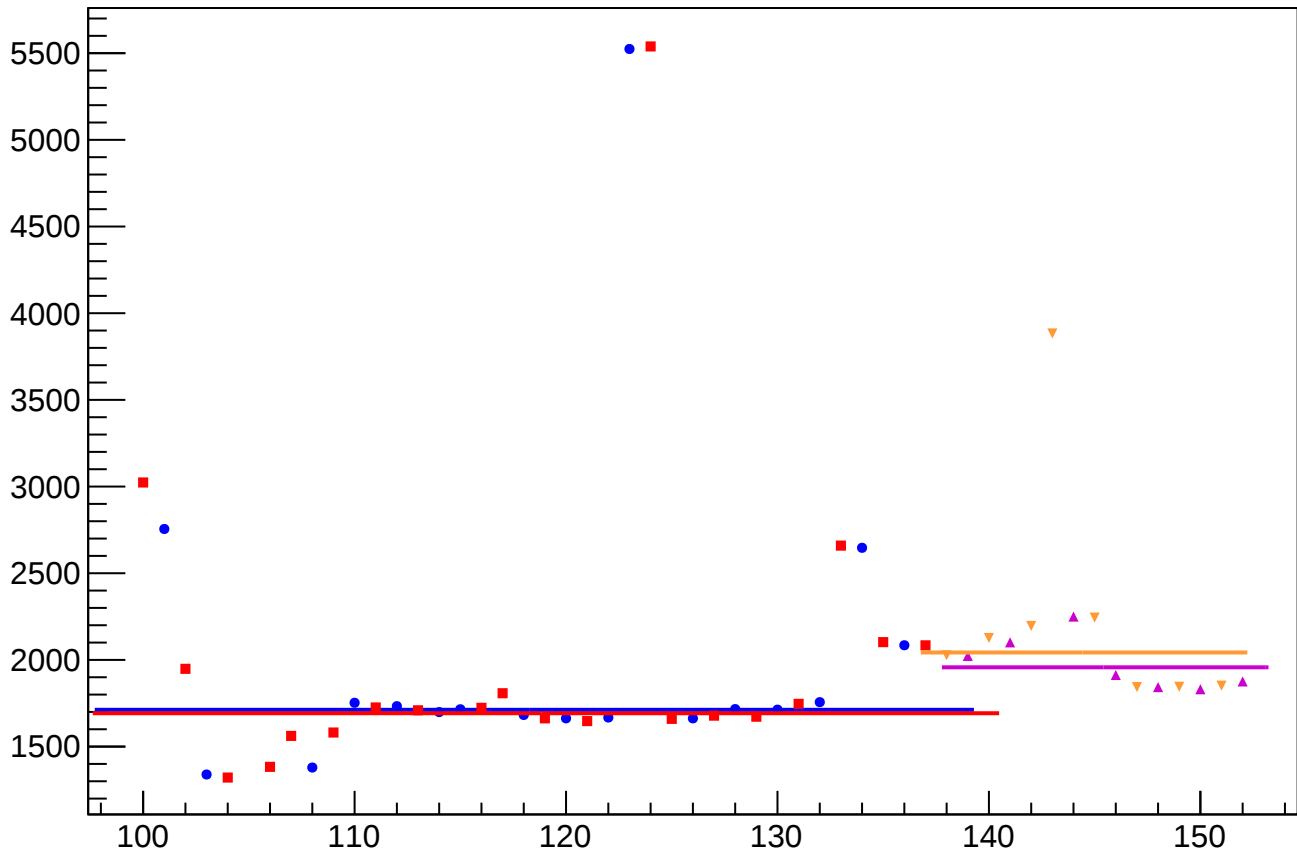
Left In: 3679.479 ± 819.030 χ^2/NDF : 3.2/6

1757.893 ± 533.833 χ^2/NDF : 21.6/24

2175.839 ± 369.063 χ^2/NDF : 47.1/51

2558.493 ± 510.797 χ^2/NDF : 24.3/26

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

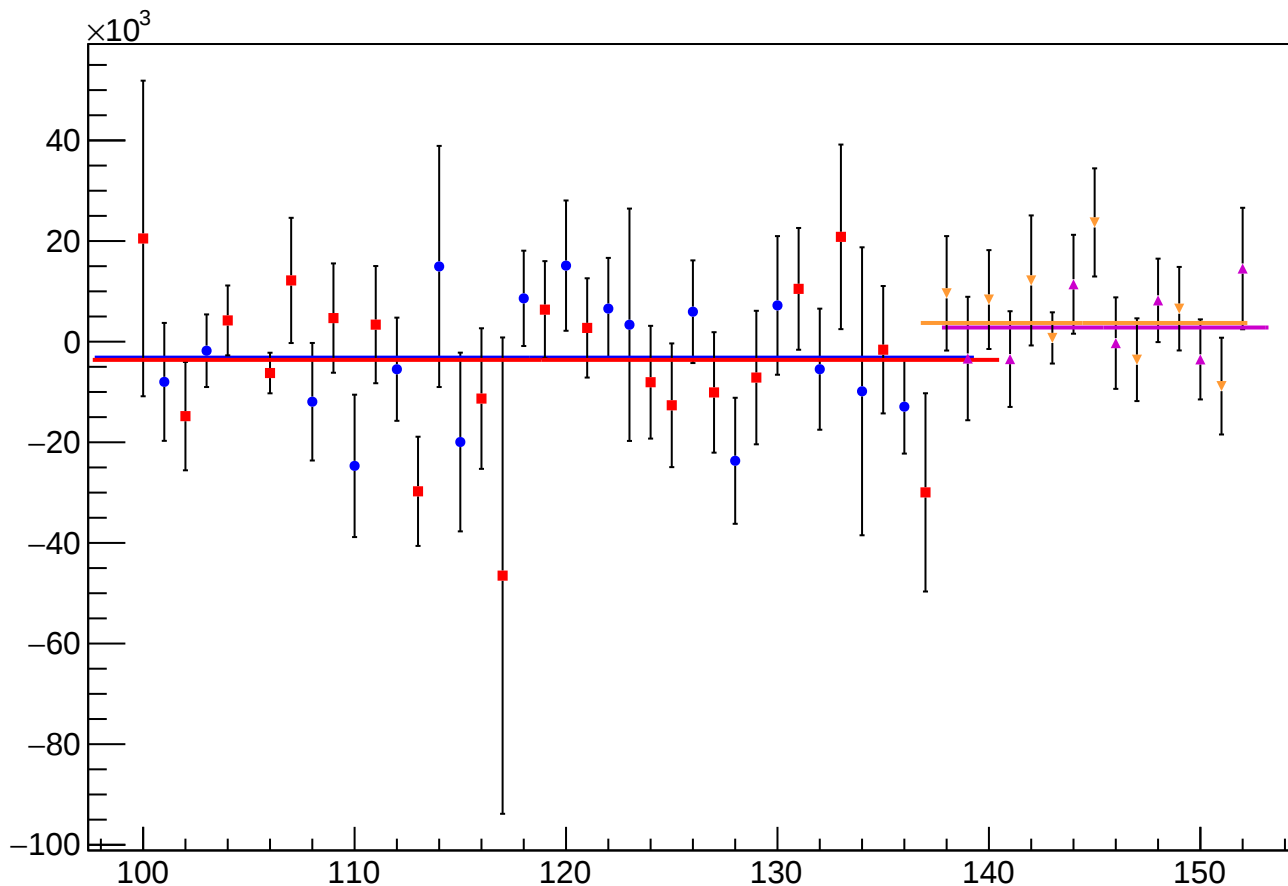
Left In: 1957.282+/-0.579 χ^2/NDF : 56951.2/6

1838.169+/-0.377 χ^2/NDF : 984653.9/24

1815.856+/-0.261 χ^2/NDF : 1631395.2/51

1795.428+/-0.361 χ^2/NDF : 640048.4/26

asym_at2_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 3717.625 ± 2995.819 $\chi^2/\text{NDF}: 7.3/7$

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

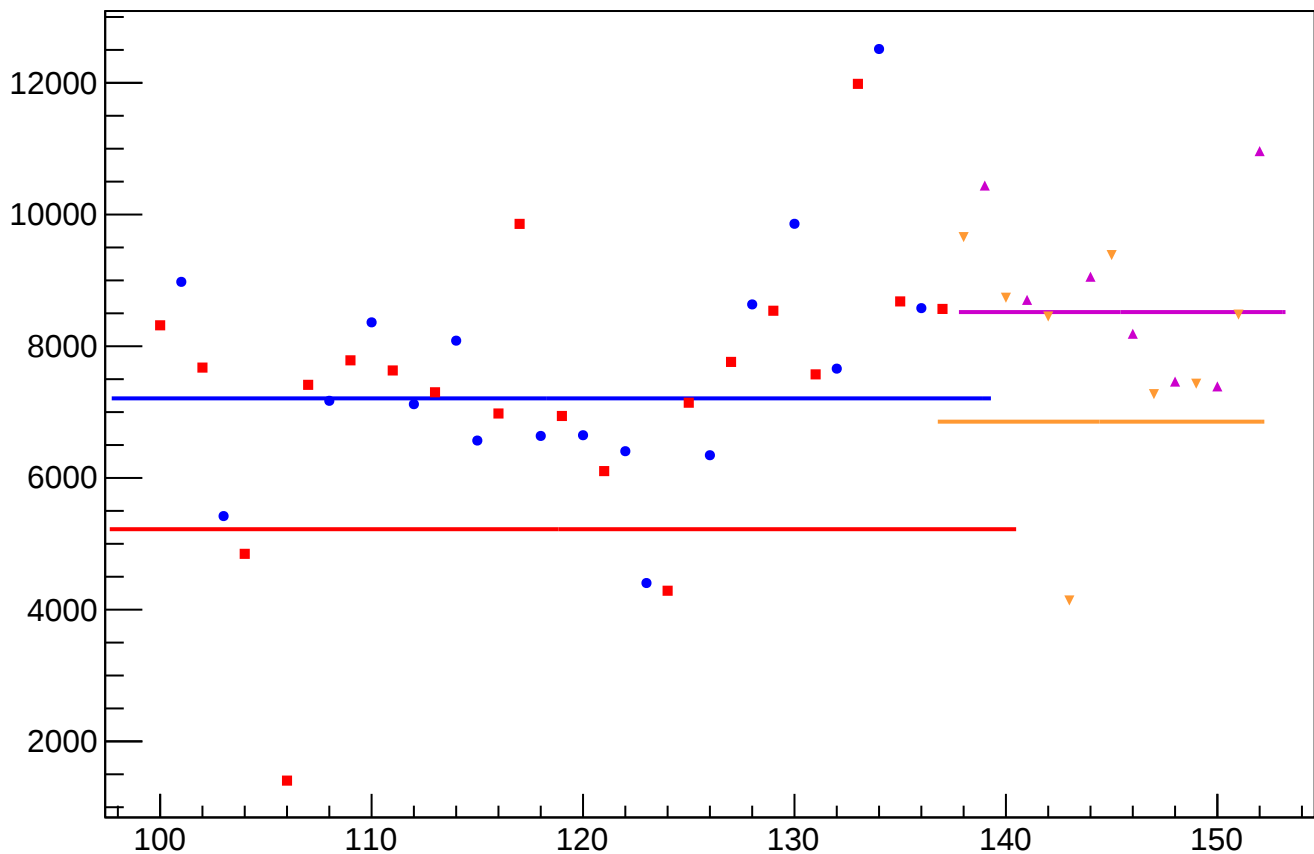
Left In: 2811.825 ± 3595.896 $\chi^2/\text{NDF}: 3.6/6$

102.800 ± 2065.634 $\chi^2/\text{NDF}: 24.5/24$

-916.372 ± 1404.683 $\chi^2/\text{NDF}: 51.1/51$

-1793.101 ± 1915.854 $\chi^2/\text{NDF}: 26.2/26$

asym_at2_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 6854.924 $\pm$ 2.118 χ^2 /NDF: 976852.4/7

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

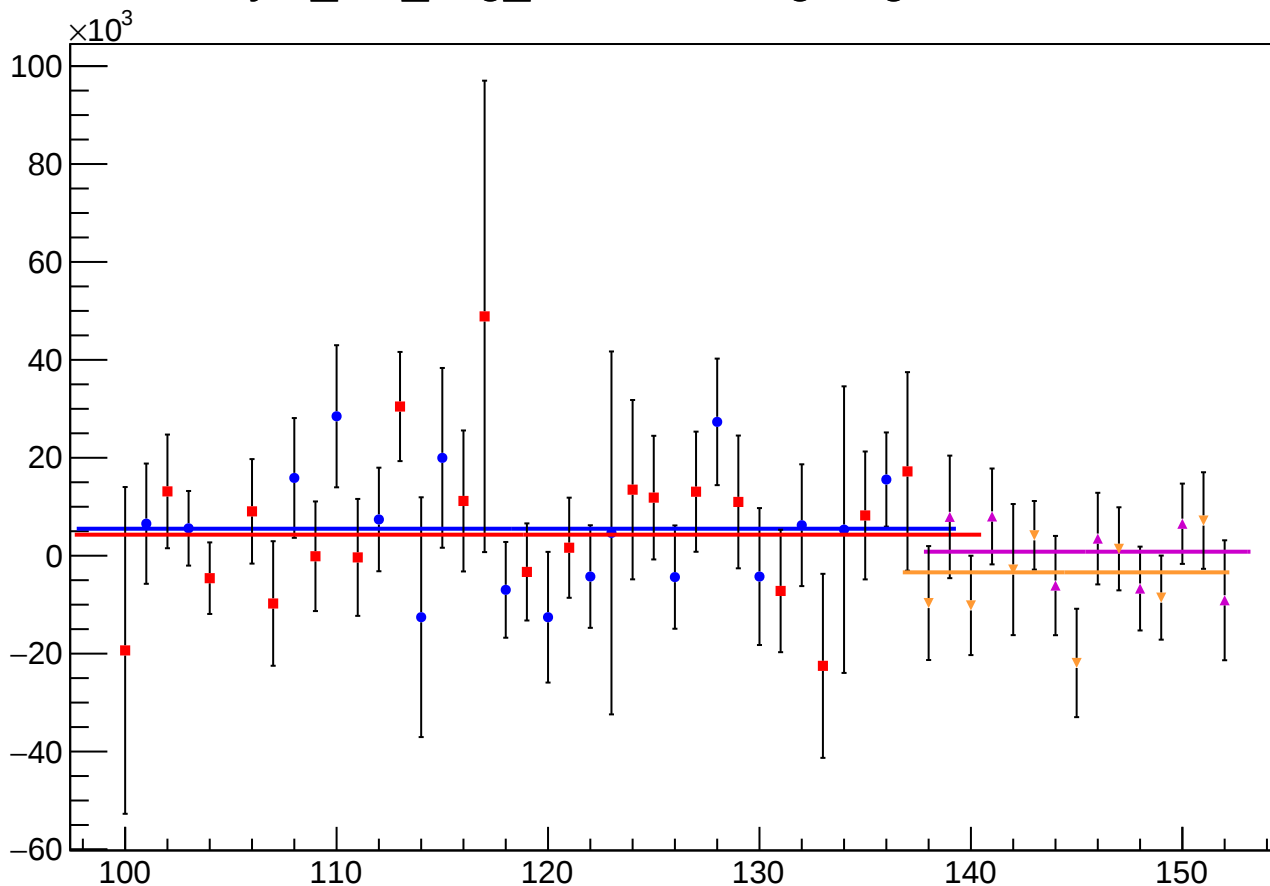
Left In: 8518.984 $\pm$ 2.543 χ^2 /NDF: 213019.7/6

7040.439 $\pm$ 1.461 χ^2 /NDF: 1460774.3/24

6565.943 $\pm$ 0.993 χ^2 /NDF: 6290396.8/51

6157.764 $\pm$ 1.355 χ^2 /NDF: 4633305.8/26

asym_at2_avg_mean vs Slug, Sign Corrected



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

Left Out: -3399.540 ± 3352.978 χ^2/NDF : 6.5/7

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

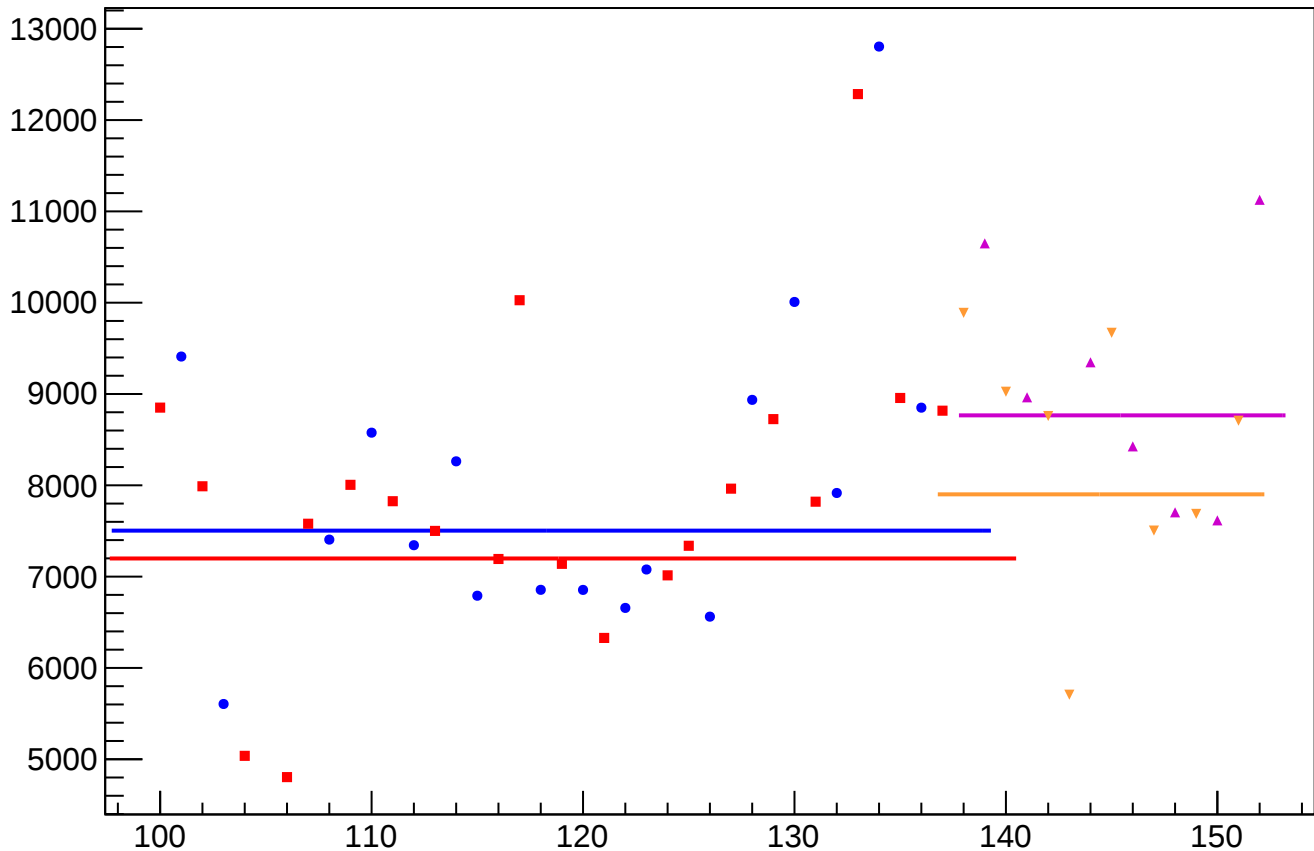
Left In: 817.428 ± 3697.142 χ^2/NDF : 3.3/6

1591.035 ± 2223.668 χ^2/NDF : 24.6/24

2313.301 ± 1572.757 χ^2/NDF : 44.9/51

3036.278 ± 2224.762 χ^2/NDF : 20.2/26

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

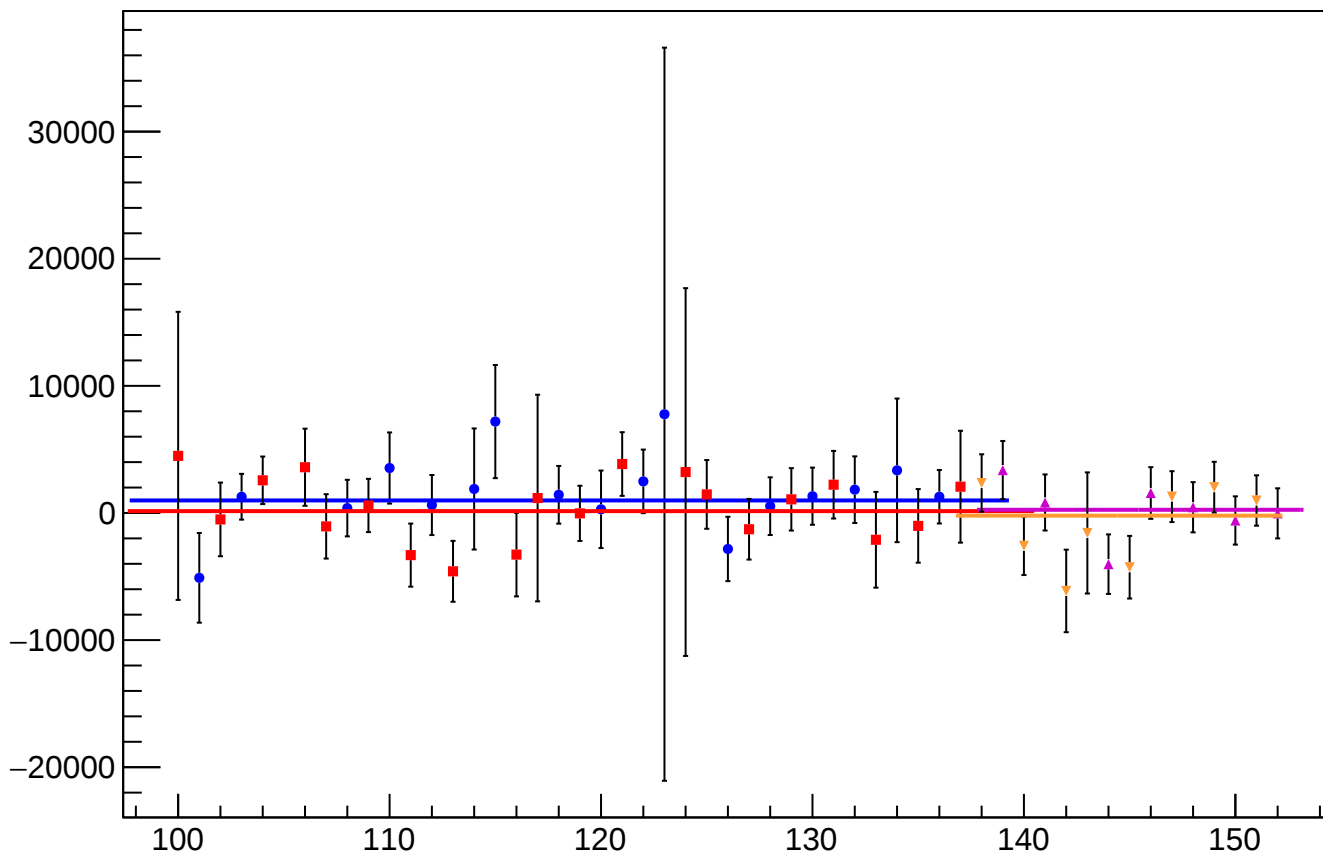
Left In: 8766.083 $\pm$ 2.614 χ^2 /NDF: 199738.0/6

7678.451 $\pm$ 1.572 χ^2 /NDF: 800398.4/24

7722.298 $\pm$ 1.112 χ^2 /NDF: 1795630.5/51

7766.183 $\pm$ 1.573 χ^2 /NDF: 993676.1/26

reg_asym_at2_dd_mean vs Slug, Sign Corrected



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

Left Out: -210.253 $\pm$ 832.310 χ^2 /NDF:10.7/7

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

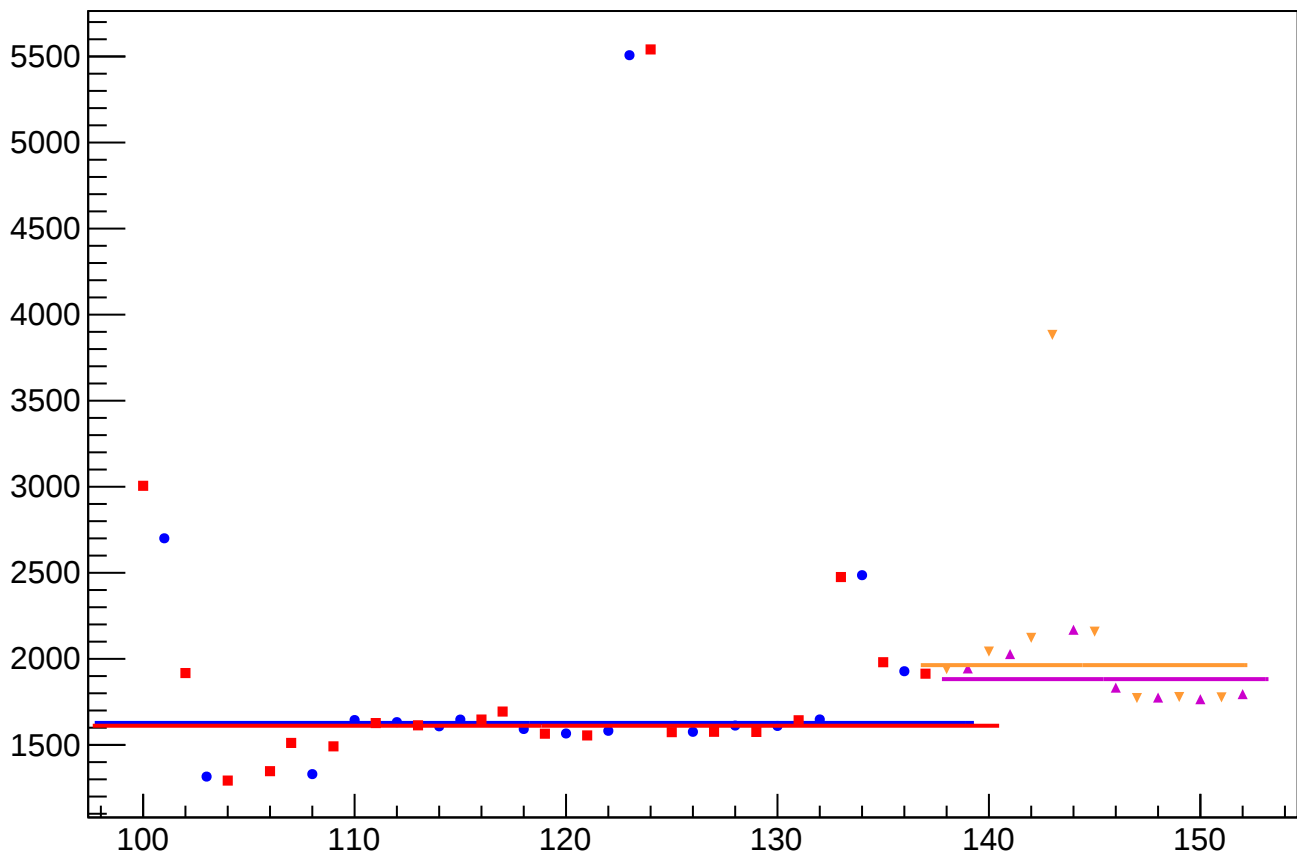
Left In: 250.254 $\pm$ 787.698 χ^2 /NDF:5.9/6

537.127 $\pm$ 509.647 χ^2 /NDF: 21.0/24

353.544 $\pm$ 352.482 χ^2 /NDF: 41.9/51

185.207 $\pm$ 488.025 χ^2 /NDF: 20.6/26

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 $\chi^2/\text{NDF}: 434167.6/19$

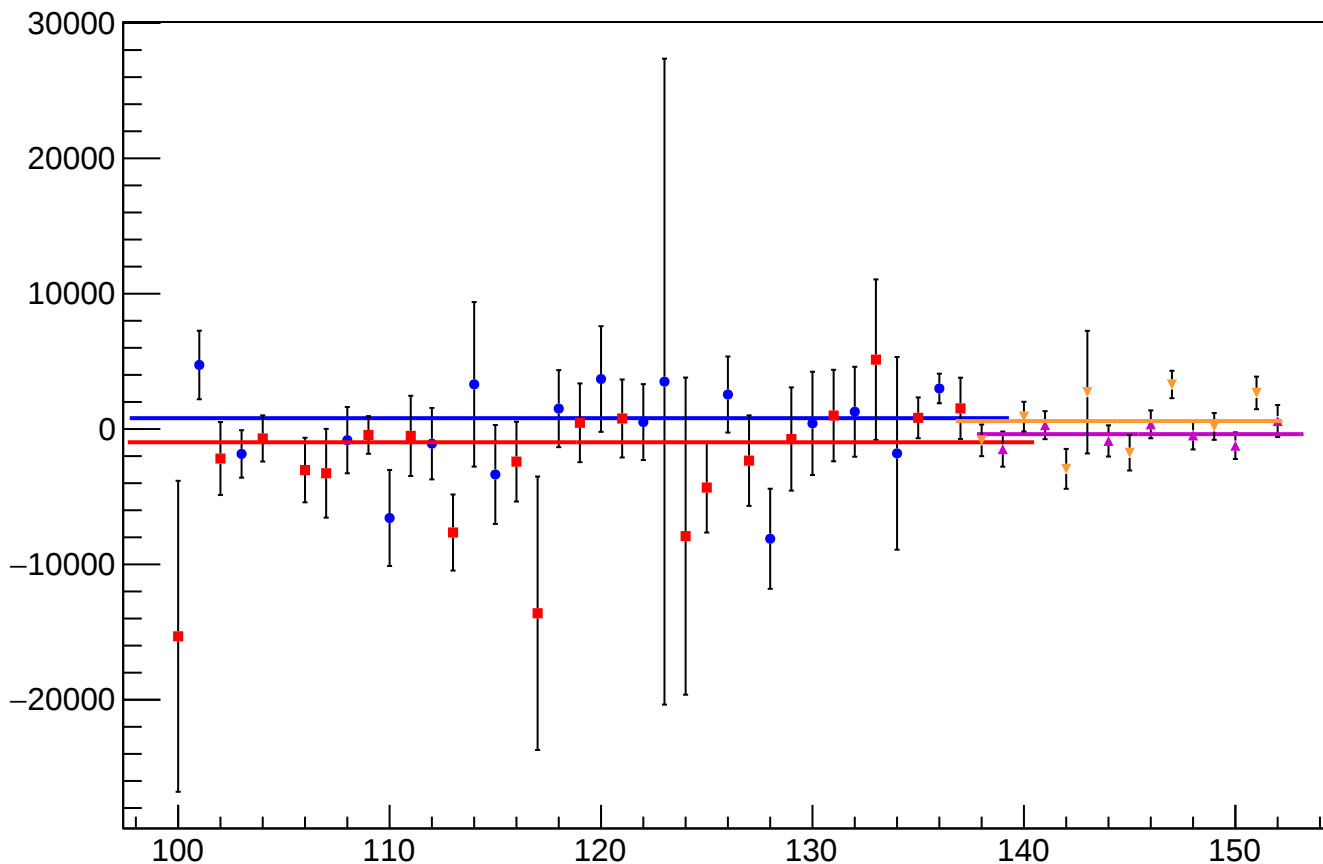
Left In: 1882.291 ± 0.557 $\chi^2/\text{NDF}: 58731.3/6$

1753.727 ± 0.360 $\chi^2/\text{NDF}: 1008097.1/24$

1733.735 ± 0.249 $\chi^2/\text{NDF}: 1652601.9/51$

1715.403 ± 0.345 $\chi^2/\text{NDF}: 638605.2/26$

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

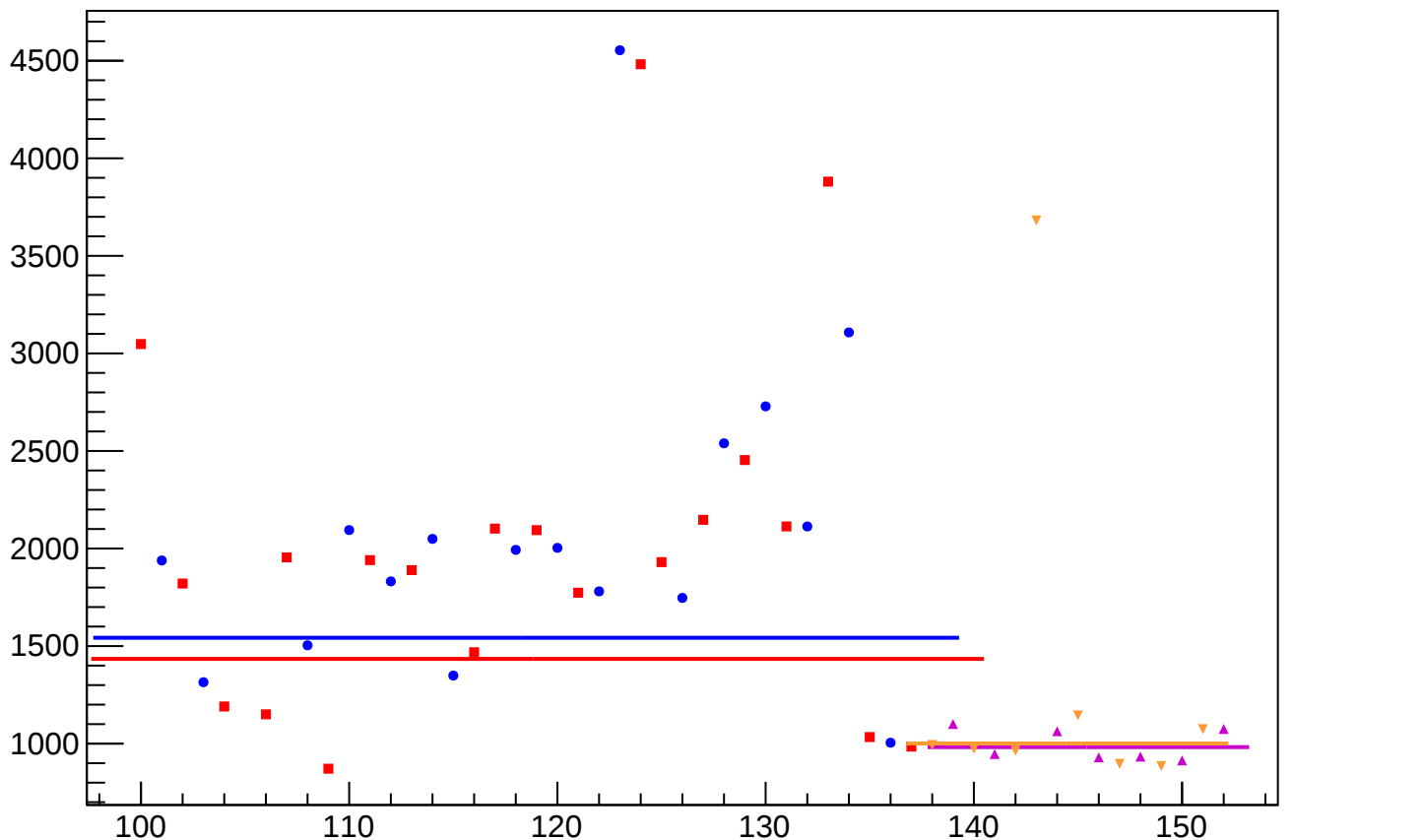
Left In: -376.809+/-411.852 χ^2/NDF : 3.3/6

657.406+/-356.814 χ^2/NDF : 43.5/24

7.457+/-245.181 χ^2/NDF : 70.6/51

-573.934+/-337.471 χ^2/NDF : 20.8/26

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

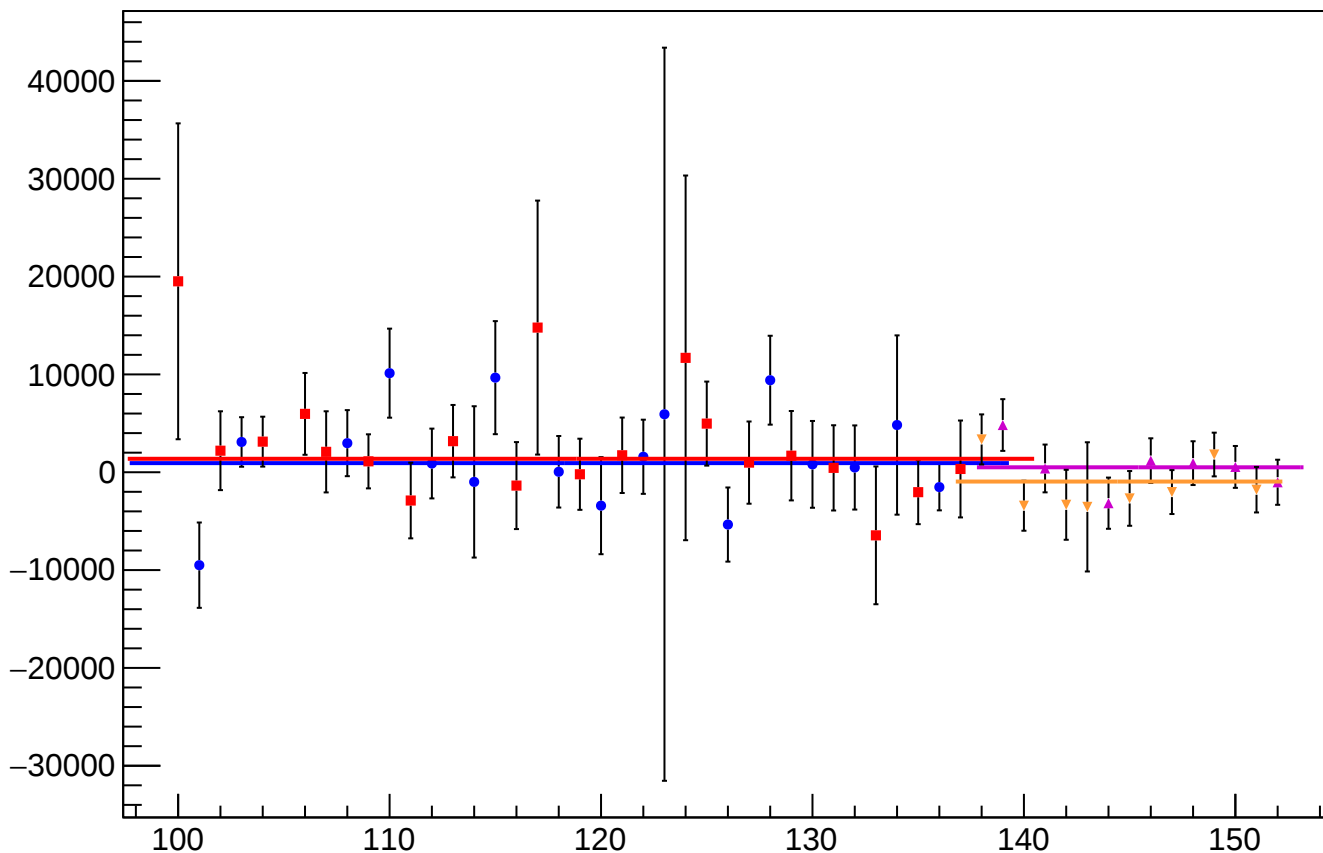
Left In: 982.292 +/- 0.291 χ^2/NDF : 60518.1/6

1173.793 +/- 0.252 χ^2/NDF : 3073091.5/24

1151.106 +/- 0.173 χ^2/NDF : 5773051.0/51

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

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 932.818 $\pm$ 967.941 χ^2/NDF : 21.6/16

Left Out: -950.838 $\pm$ 945.601 χ^2/NDF : 6.6/7

Right Out: 1375.966 $\pm$ 923.072 χ^2/NDF : 9.6/19

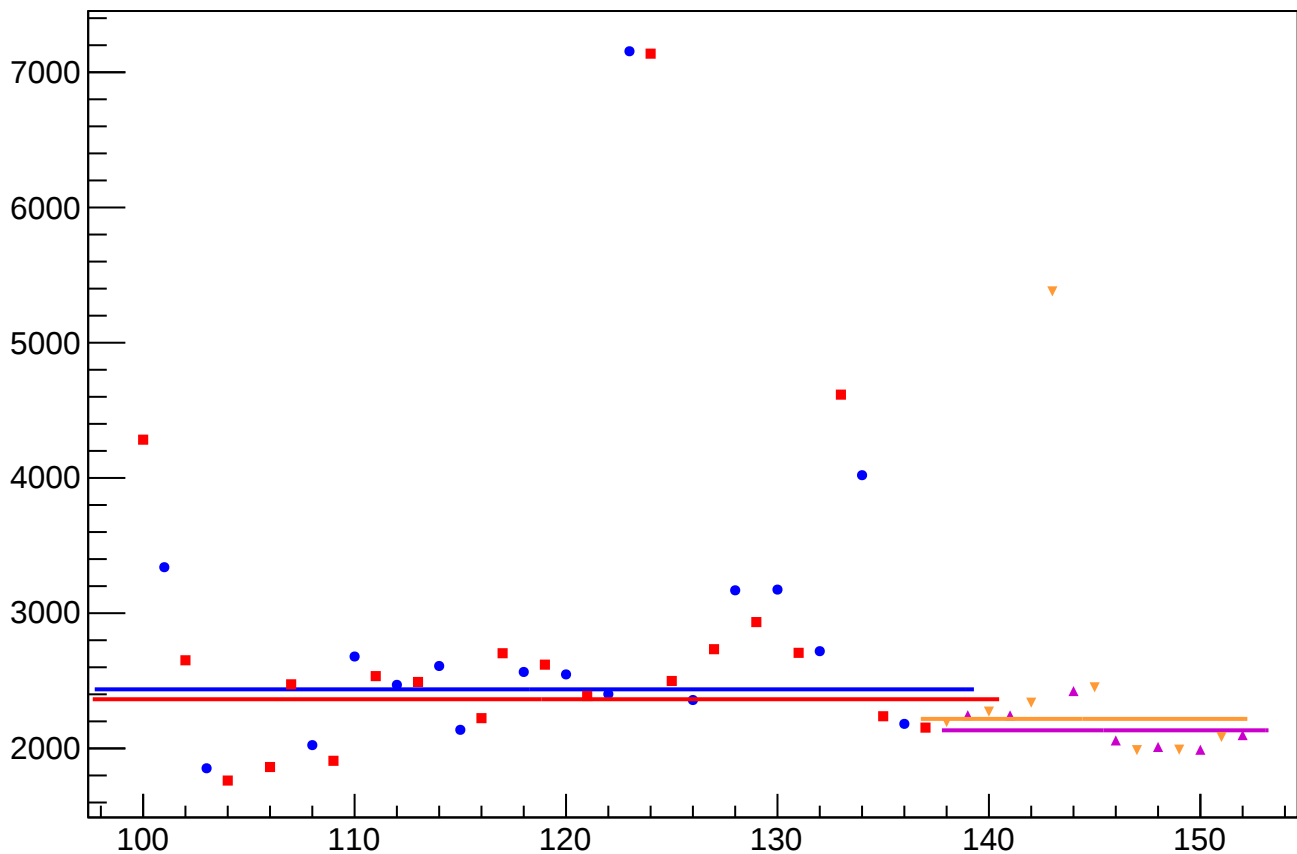
Left In: 505.012 $\pm$ 892.635 χ^2/NDF : 5.2/6

-30.998 $\pm$ 676.401 χ^2/NDF : 30.2/24

472.637 $\pm$ 465.527 χ^2/NDF : 46.4/51

925.893 $\pm$ 641.679 χ^2/NDF : 15.2/26

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 $\chi^2/\text{NDF}: 657228.5/19$

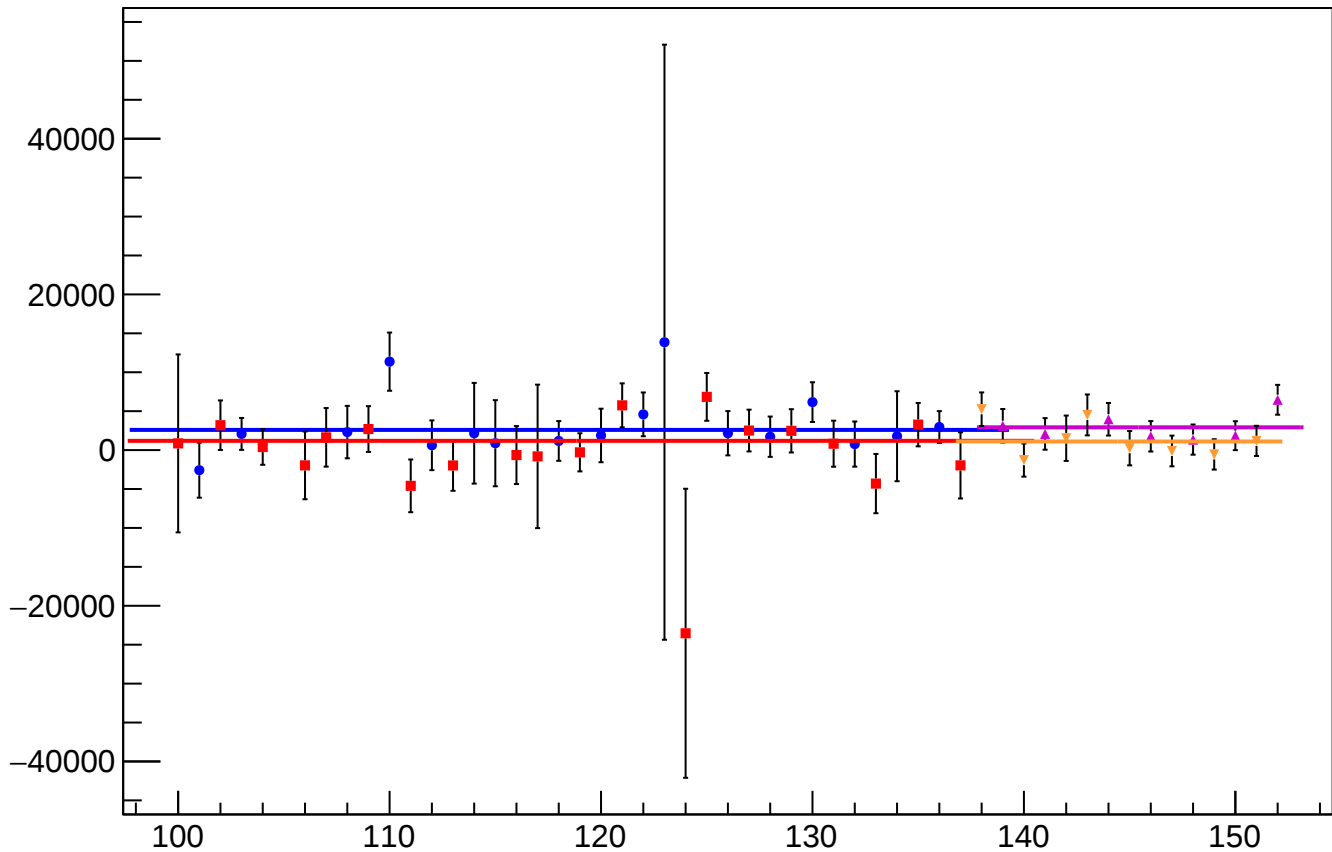
Left In: 2133.801 ± 0.631 $\chi^2/\text{NDF}: 49962.7/6$

2325.082 ± 0.478 $\chi^2/\text{NDF}: 1045273.8/24$

2282.856 ± 0.329 $\chi^2/\text{NDF}: 1831332.9/51$

2244.854 ± 0.454 $\chi^2/\text{NDF}: 771250.3/26$

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



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

Left Out: 1106.319 $\pm$ 768.878 χ^2 /NDF: 7.9/7

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

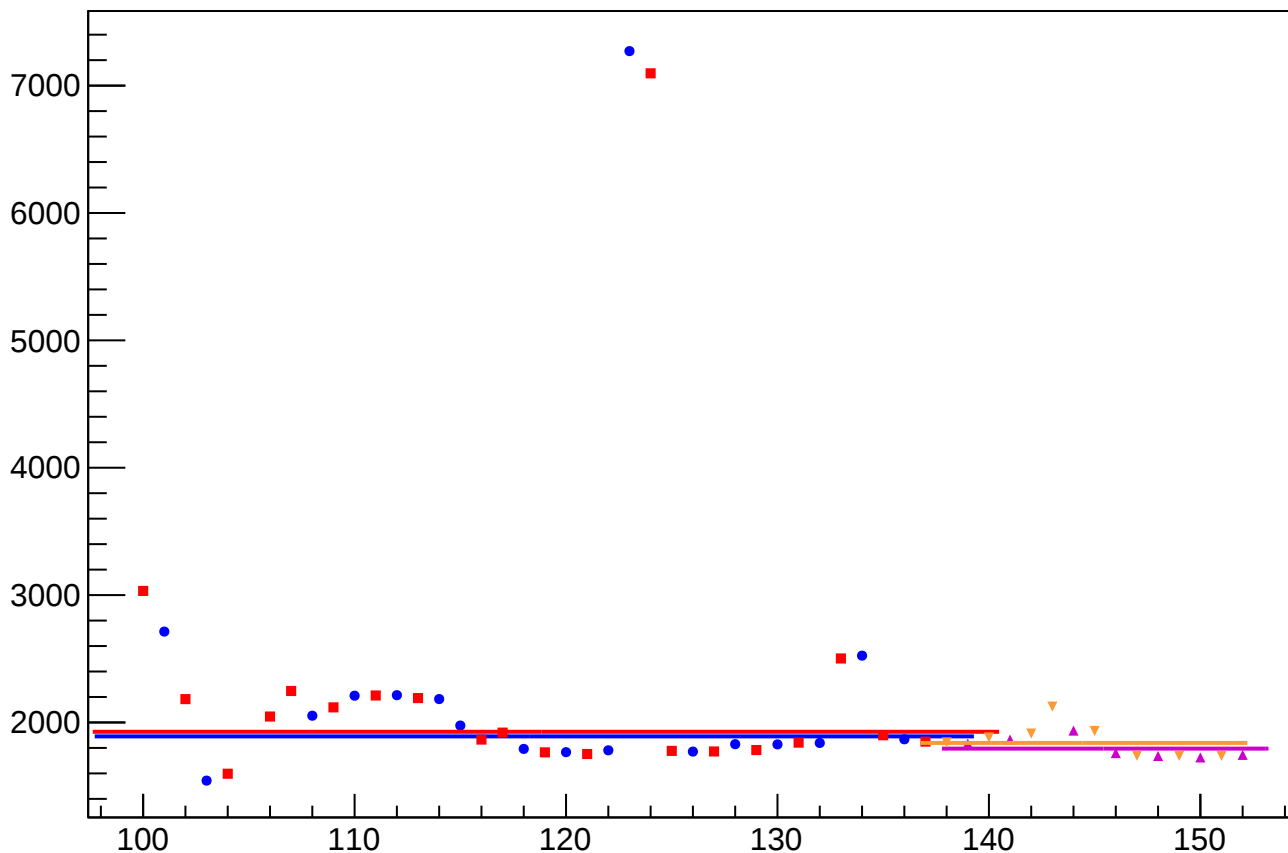
Left In: 2926.232 $\pm$ 750.357 χ^2 /NDF: 5.2/6

1875.969 $\pm$ 534.295 χ^2 /NDF: 21.6/24

1960.633 $\pm$ 374.795 χ^2 /NDF: 46.8/51

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

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

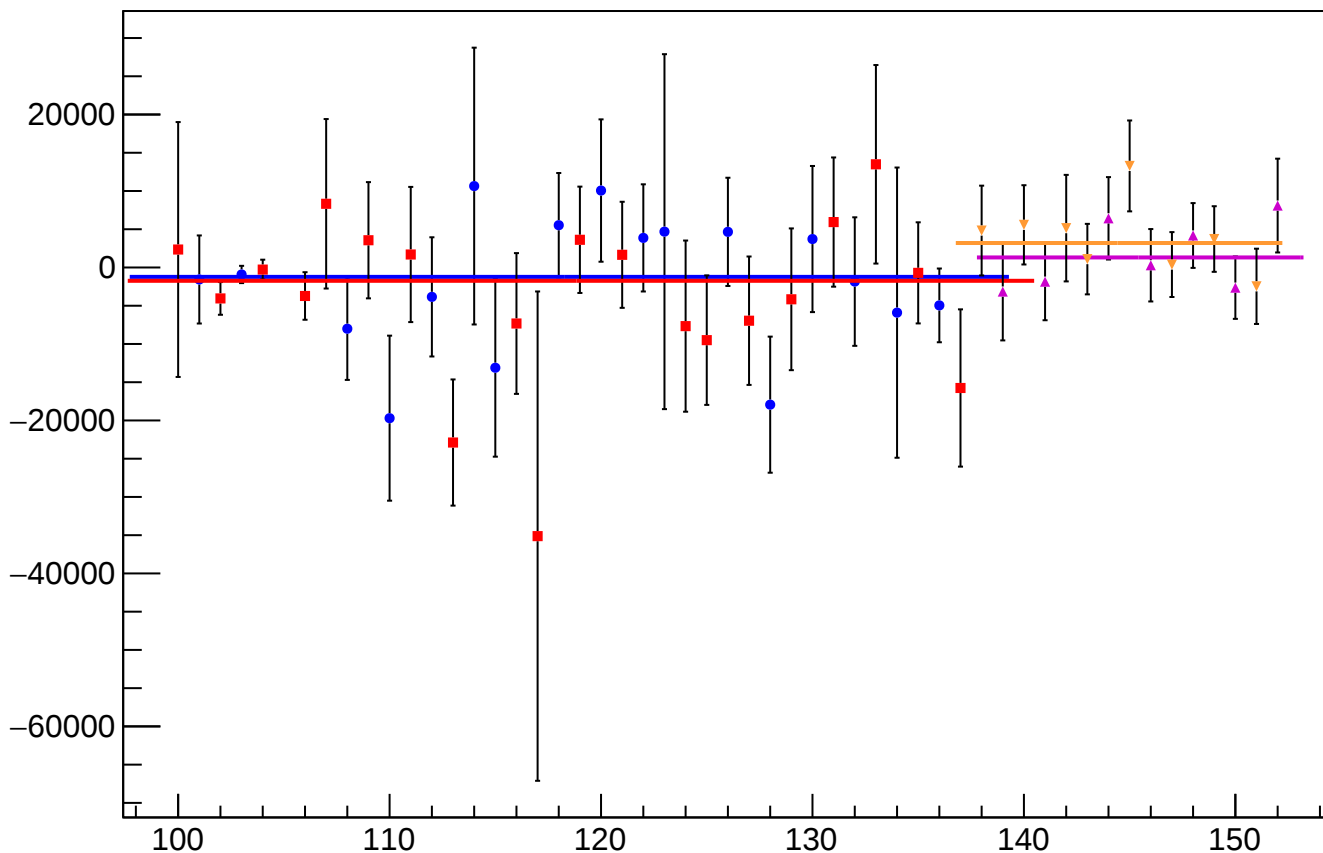
Left In: 1794.637+/-0.531 χ^2/NDF : 18763.1/6

1865.922+/-0.378 χ^2/NDF : 338953.7/24

1863.949+/-0.265 χ^2/NDF : 751695.2/51

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

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

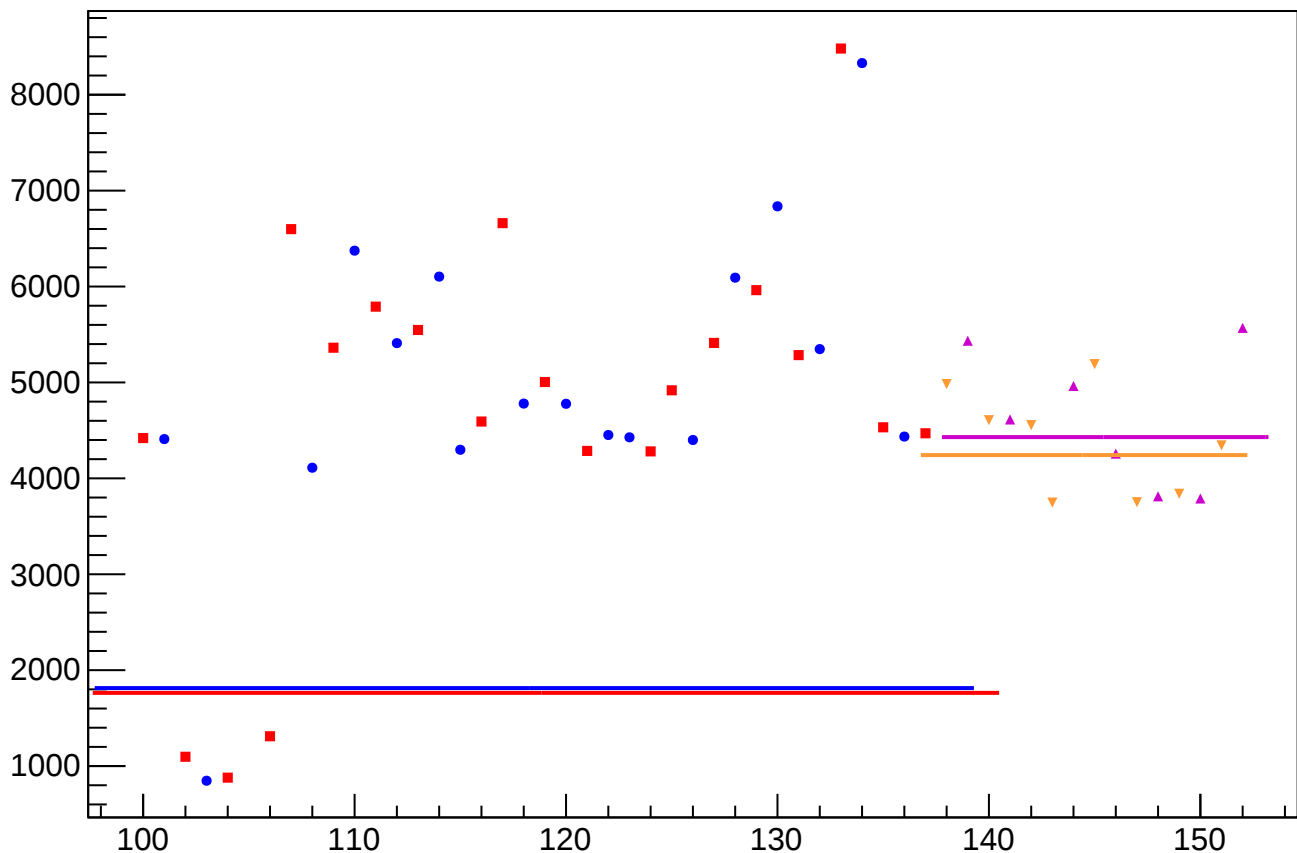
Left In: 1312.667 $\pm$ 1872.220 χ^2 /NDF: 4.4/6

-194.967 $\pm$ 862.252 χ^2 /NDF: 23.8/24

-671.497 $\pm$ 602.013 χ^2 /NDF: 49.8/51

-1124.716 $\pm$ 840.899 χ^2 /NDF: 25.5/26

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

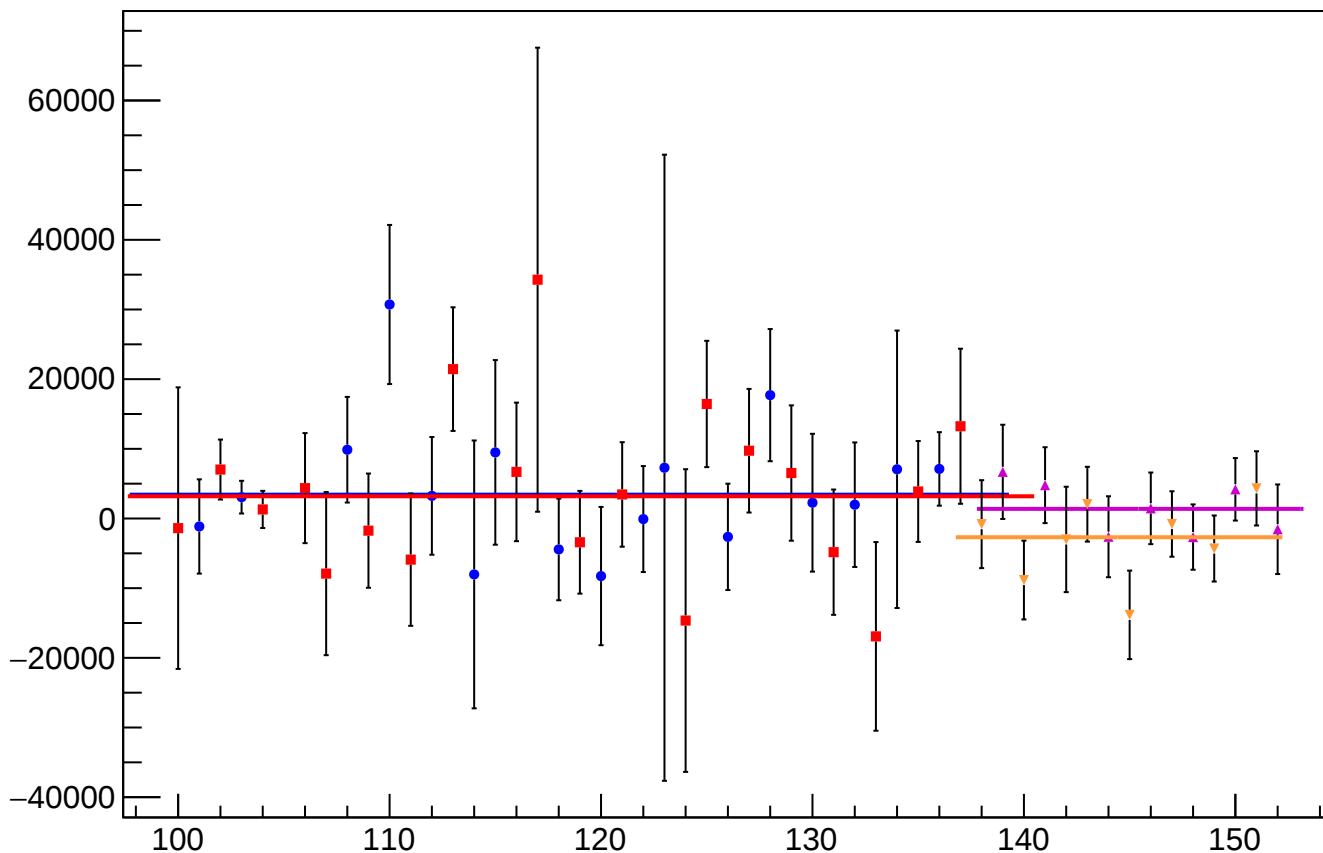
Left In: 4430.141+/-1.324 χ^2/NDF : 235102.9/6

2379.456+/-0.610 χ^2/NDF : 9452228.4/24

2339.423+/-0.426 χ^2/NDF : 19294909.5/5

2301.349+/-0.595 χ^2/NDF : 9834269.6/26

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

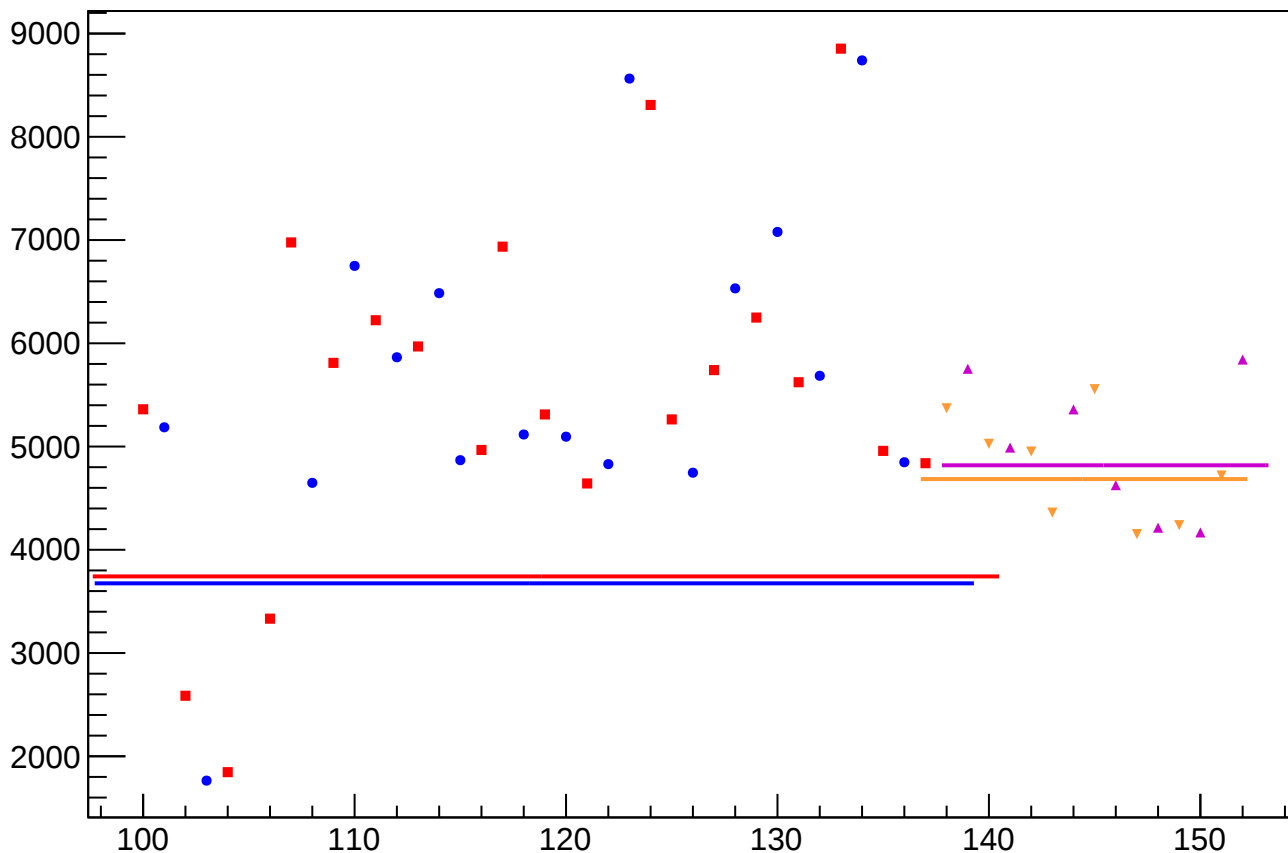
Left In: 1381.715 +/- 2031.106 χ^2/NDF : 2.8/6

975.377 +/- 1244.389 χ^2/NDF : 26.6/24

1726.657 +/- 884.979 χ^2/NDF : 47.6/51

2495.481 +/- 1258.835 χ^2/NDF : 20.2/26

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

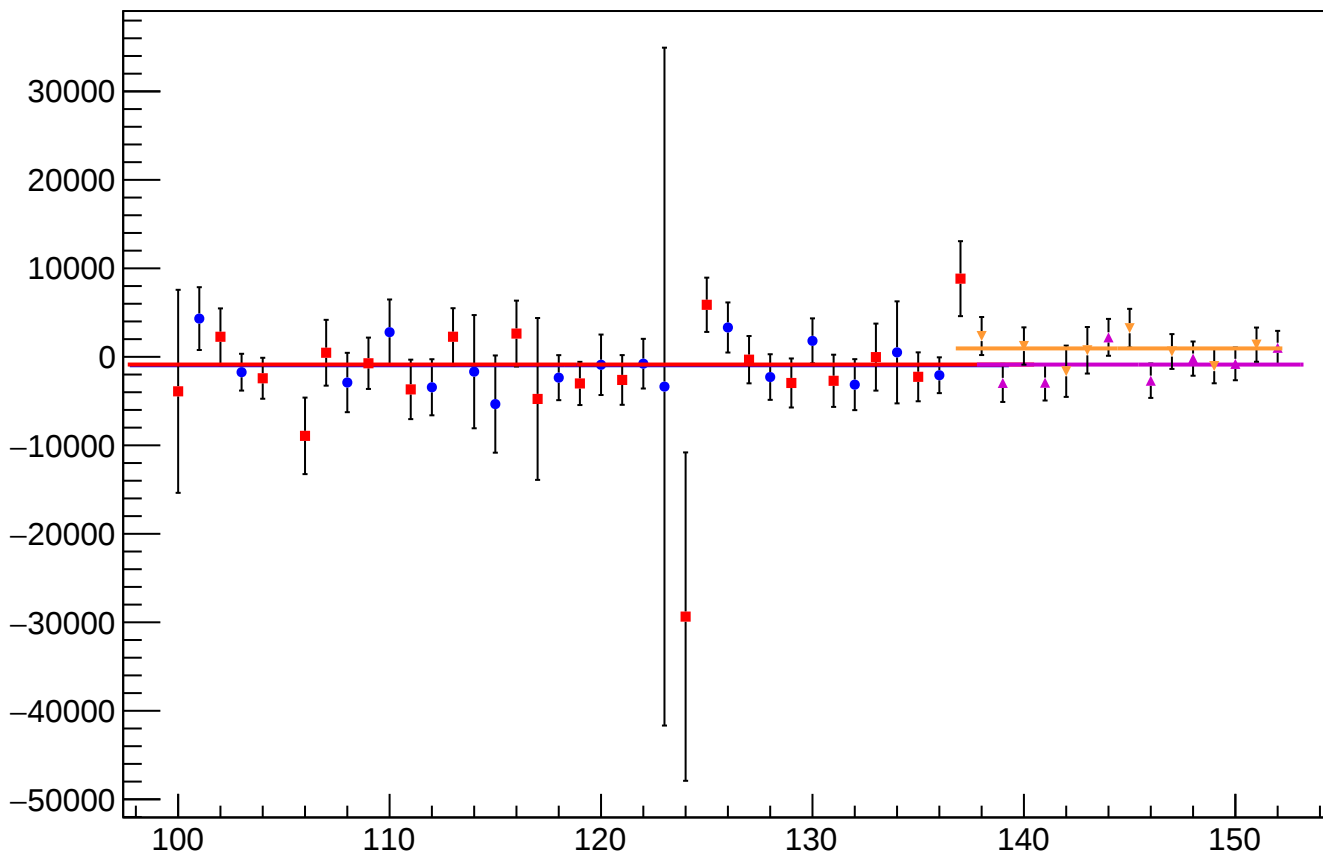
Left In: 4818.188 $\pm$ 1.436 χ^2 /NDF:186404.5/6

4079.135 $\pm$ 0.880 χ^2 /NDF: 3213168.7/24

4115.340 $\pm$ 0.625 χ^2 /NDF: 6462840.2/51

4152.088 $\pm$ 0.886 χ^2 /NDF: 3246260.1/26

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 $\chi^2/\text{NDF}: 22.7/19$

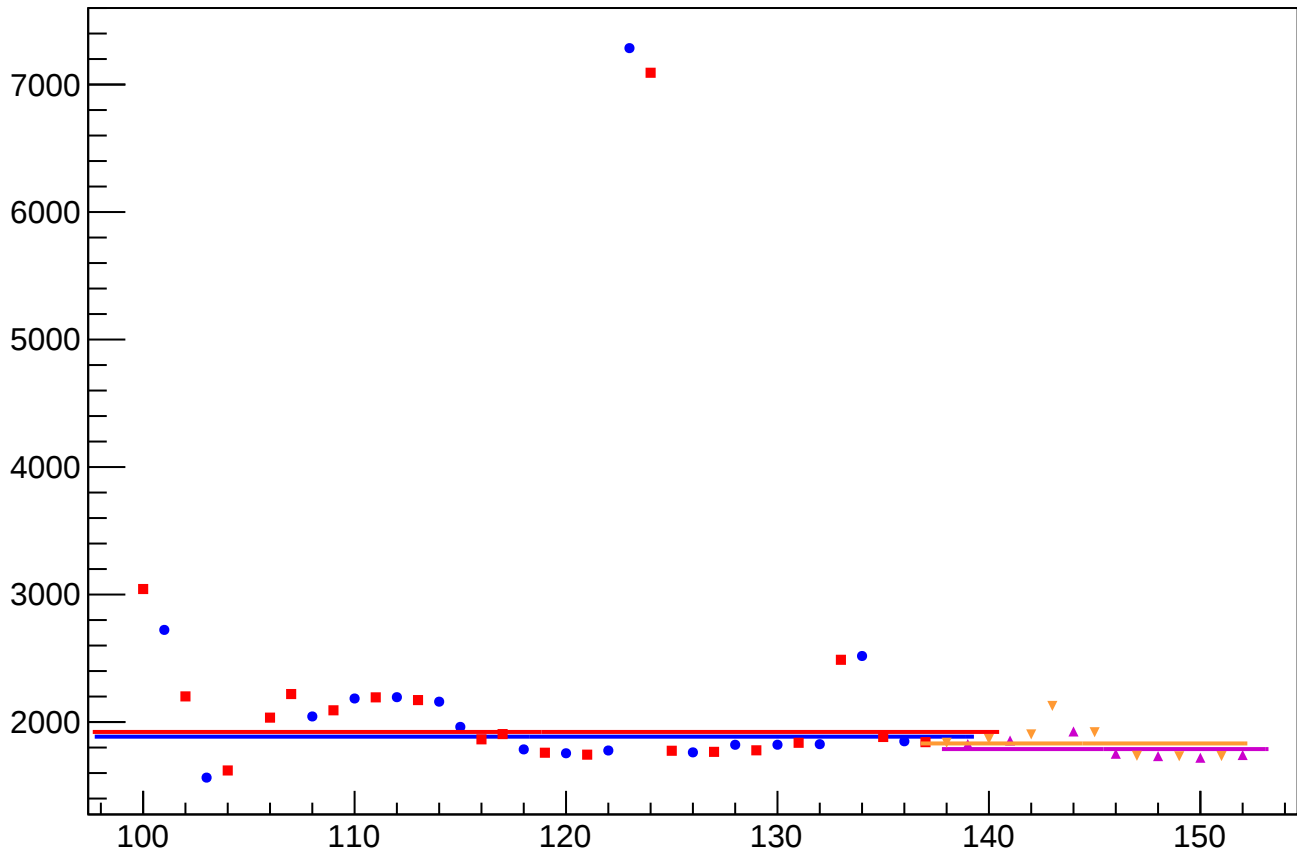
Left In: -874.104 ± 747.549 $\chi^2/\text{NDF}: 6.1/6$

-31.897 ± 532.420 $\chi^2/\text{NDF}: 16.6/24$

-458.222 ± 373.521 $\chi^2/\text{NDF}: 46.7/51$

-871.413 ± 524.155 $\chi^2/\text{NDF}: 28.8/26$

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1885.360+/-0.524 χ^2/NDF : 280429.0/16

Left Out: 1832.176+/-0.542 χ^2/NDF : 45498.4/7

Right Out: 1922.430+/-0.519 χ^2/NDF : 351518.8/19

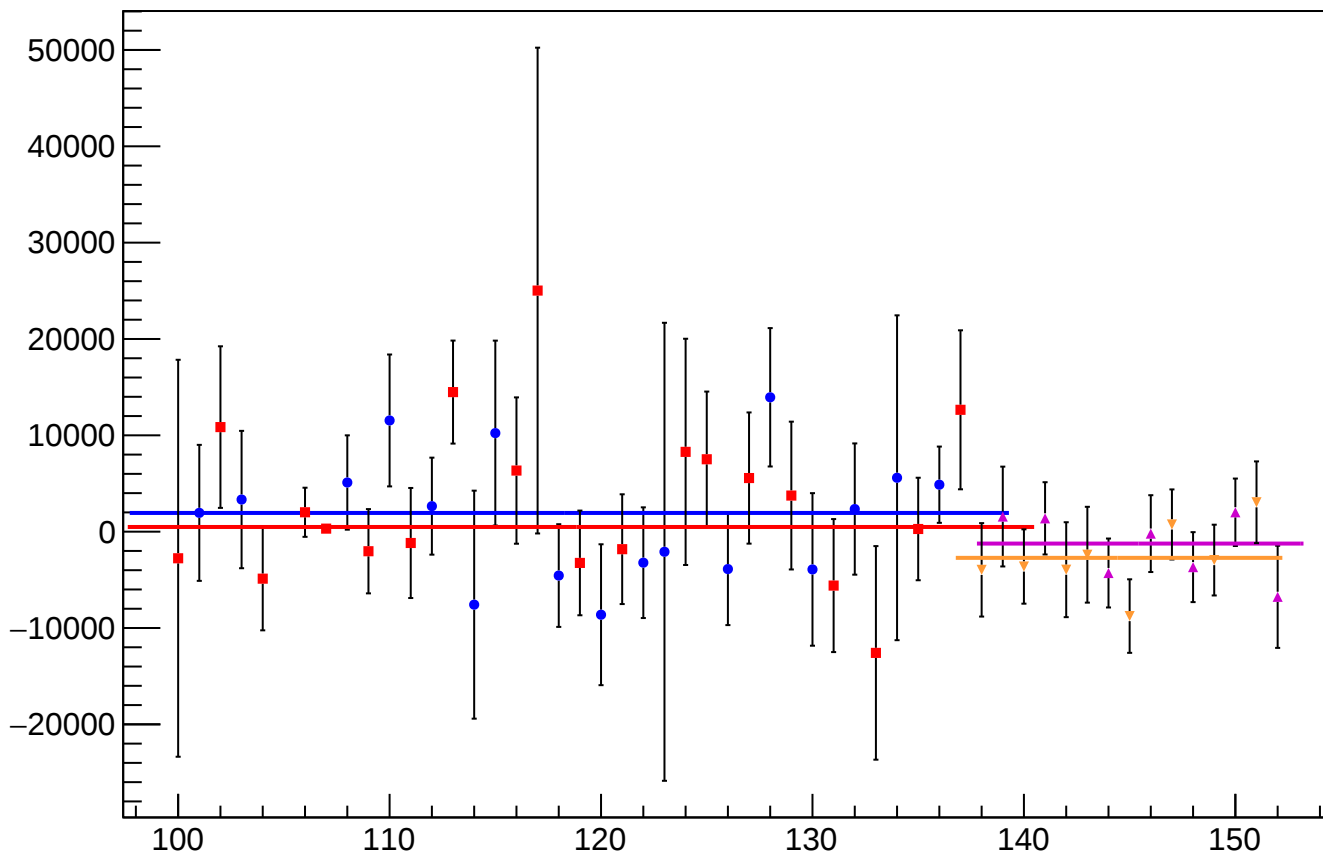
Left In: 1788.005+/-0.529 χ^2/NDF : 17896.8/6

1859.658+/-0.376 χ^2/NDF : 330911.0/24

1858.026+/-0.264 χ^2/NDF : 733290.2/51

1856.447+/-0.370 χ^2/NDF : 402342.2/26

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

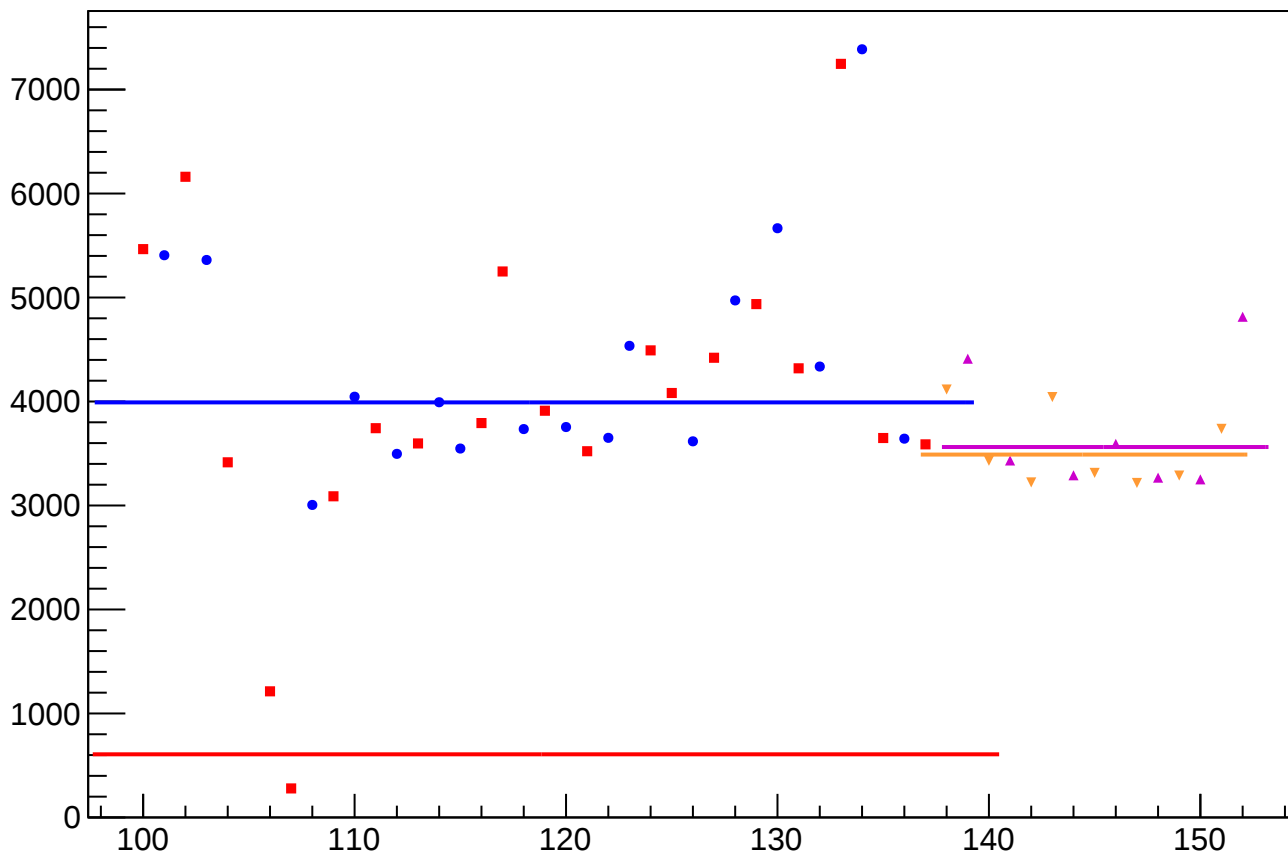
Left In: -1235.685+/-1503.520 χ^2/NDF : 4.0/6

-563.355+/-1074.998 χ^2/NDF : 23.3/24

215.898+/-402.661 χ^2/NDF : 48.1/51

343.072+/-434.277 χ^2/NDF : 24.2/26

asym_atl1r2_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 3489.690 ± 1.037 $\chi^2/\text{NDF}: 92766.8/7$

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

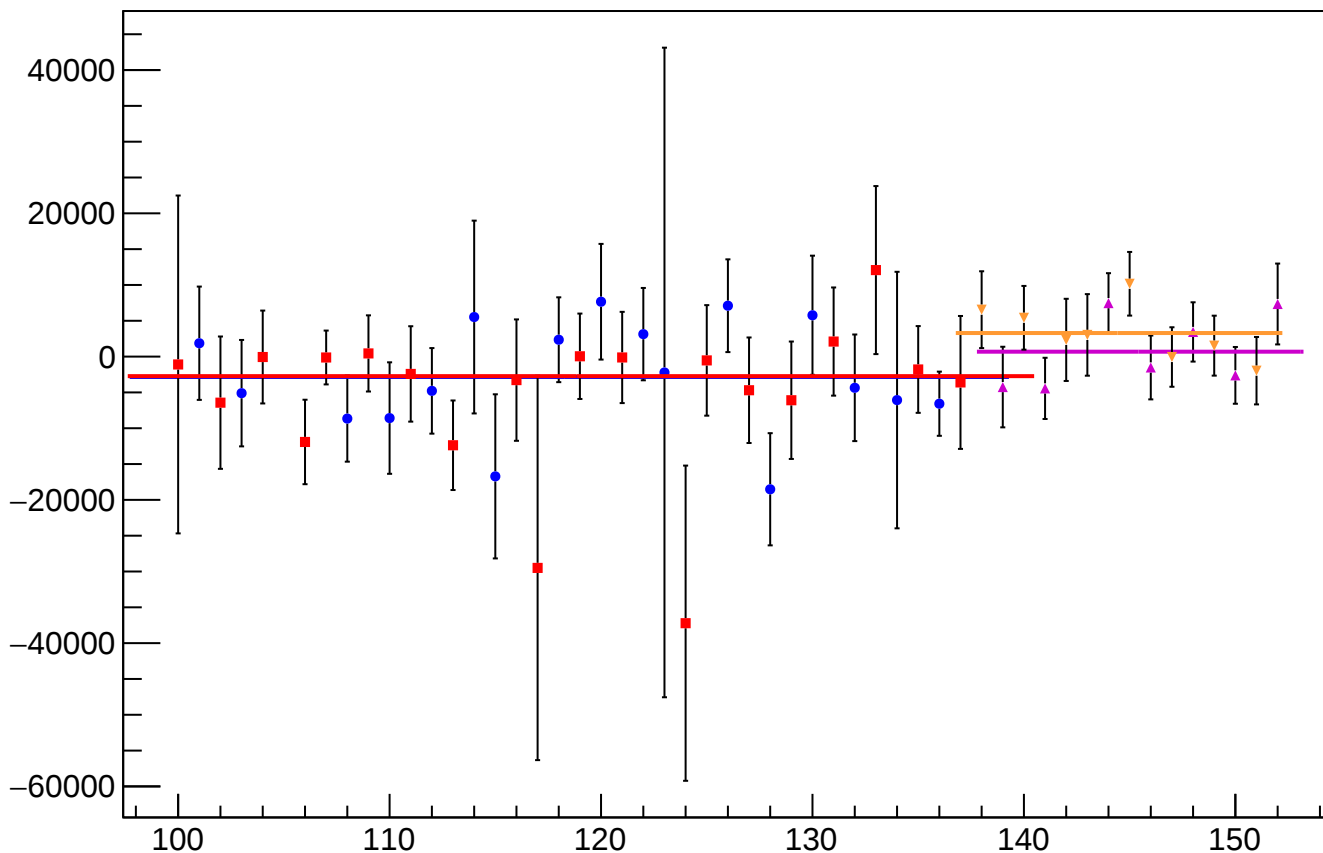
Left In: 3562.317 ± 1.063 $\chi^2/\text{NDF}: 208359.5/6$

3721.635 ± 0.760 $\chi^2/\text{NDF}: 711845.6/24$

1256.140 ± 0.285 $\chi^2/\text{NDF}: 30553082.5/5$

853.773 ± 0.307 $\chi^2/\text{NDF}: 17604170.1/26$

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2839.599 ± 1786.019 $\chi^2/\text{NDF}: 15.4/16$

Left Out: 3290.358 ± 1672.522 $\chi^2/\text{NDF}: 5.1/7$

Right Out: -2729.311 ± 1572.398 $\chi^2/\text{NDF}: 12.2/19$

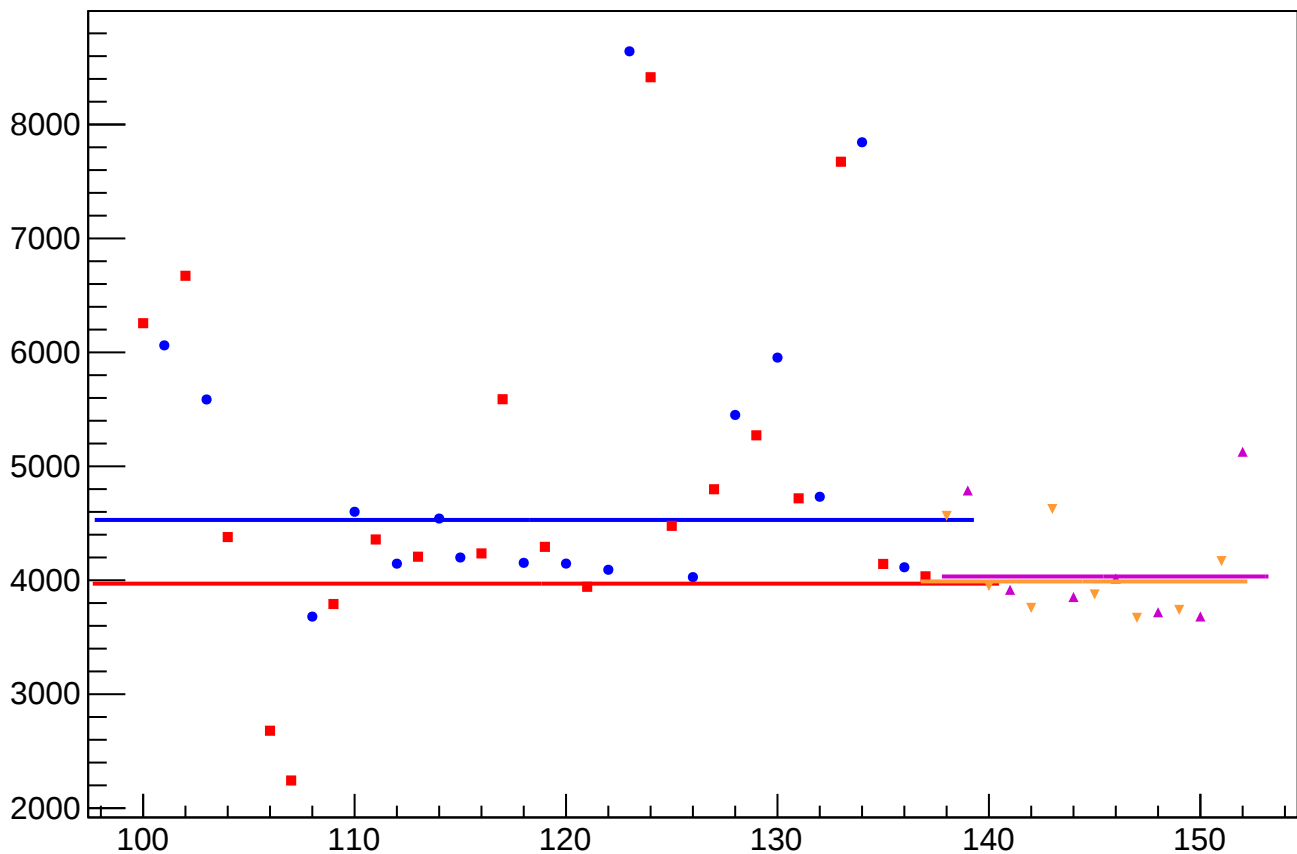
Left In: 685.798 ± 1696.444 $\chi^2/\text{NDF}: 7.6/6$

426.327 ± 1220.805 $\chi^2/\text{NDF}: 26.8/24$

-407.296 ± 838.323 $\chi^2/\text{NDF}: 49.6/51$

-1151.167 ± 1153.216 $\chi^2/\text{NDF}: 22.0/26$

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

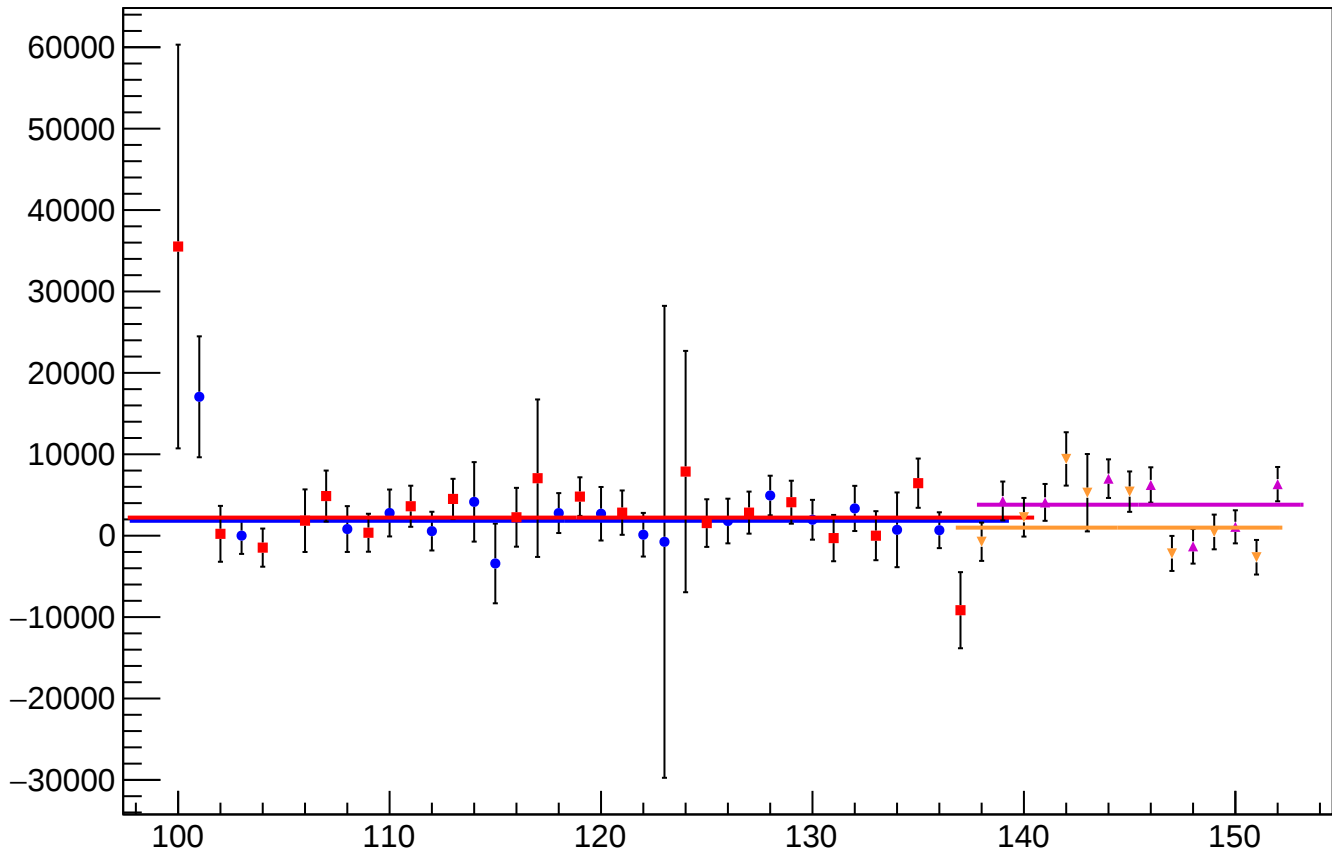
Left In: 4033.101 $\pm$ 1.200 χ^2 /NDF: 143704.6/6

4241.878 $\pm$ 0.863 χ^2 /NDF: 561164.6/24

4113.187 $\pm$ 0.592 χ^2 /NDF: 1895982.6/51

3999.140 $\pm$ 0.813 χ^2 /NDF: 1292897.8/26

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1830.102 $\pm$ 711.335 χ^2 /NDF: 9.7/16

Left Out: 989.320 $\pm$ 871.832 χ^2 /NDF:16.6/7

Right Out: 2222.274 $\pm$ 682.500 χ^2 /NDF: 18.6/19

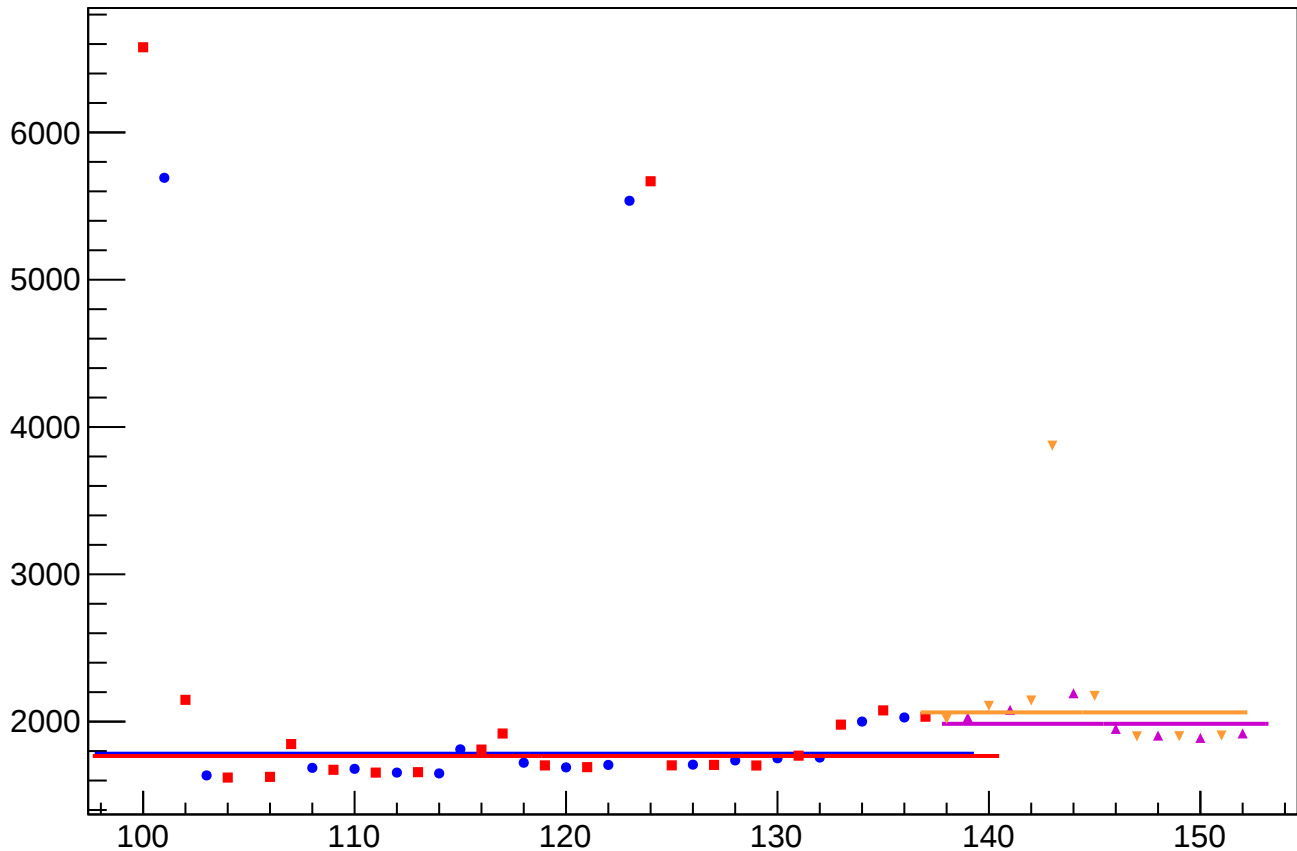
Left In: 3804.667 $\pm$ 830.508 χ^2 /NDF:12.1/6

1494.080 $\pm$ 551.156 χ^2 /NDF: 26.8/24

2207.323 $\pm$ 381.010 χ^2 /NDF: 62.9/51

2860.142 $\pm$ 527.293 χ^2 /NDF: 32.9/26

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

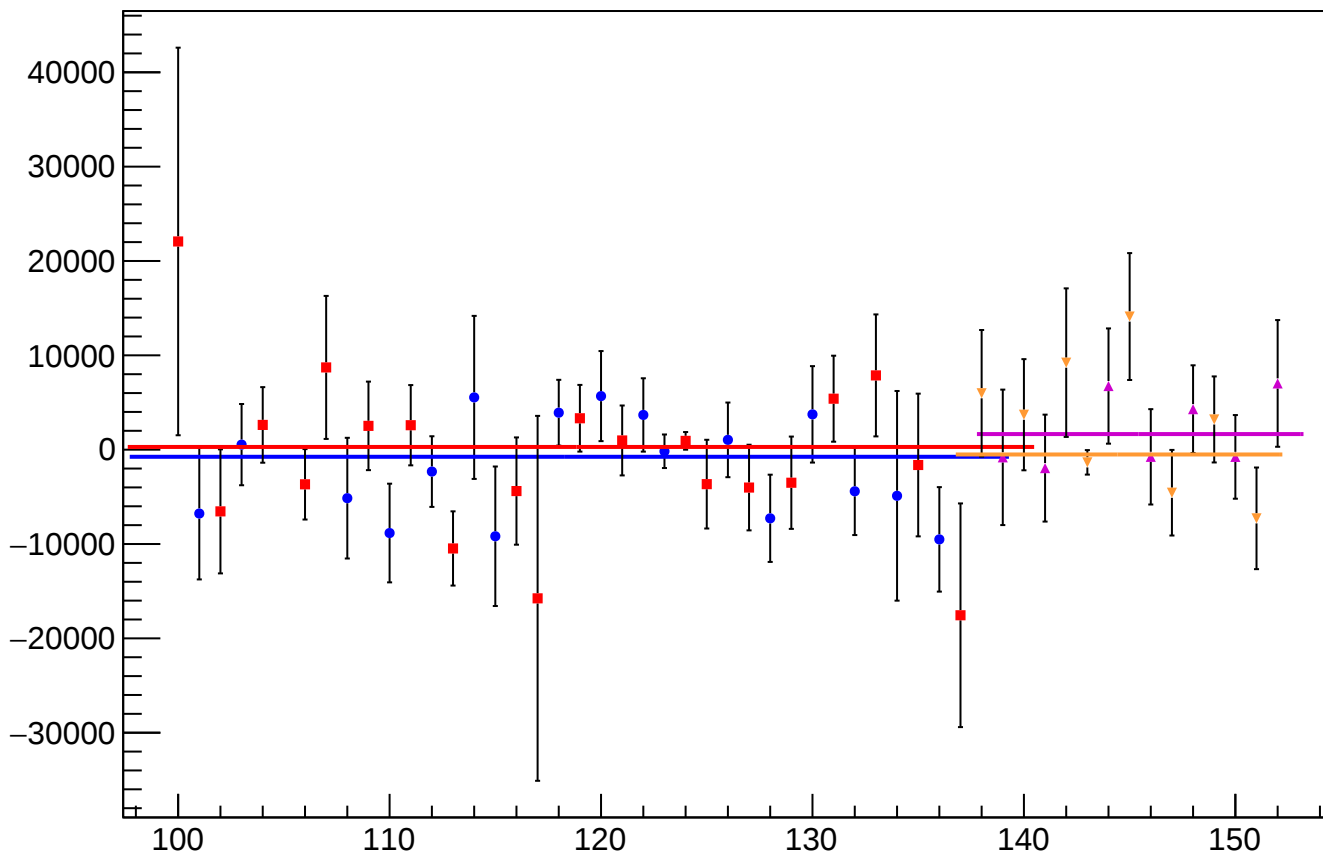
Left In: 1985.116 ± 0.587 χ^2/NDF : 29142.8/6

1894.265 ± 0.390 χ^2/NDF : 1100414.7/24

1873.180 ± 0.269 χ^2/NDF : 1525446.7/51

1854.038 ± 0.371 χ^2/NDF : 419447.7/26

asym_atr1l2_avg_correction_mean vs Slug, Sign Corrected



Right In: -753.428 $\pm$ 1008.523 χ^2 /NDF: 16.9/16

Left Out: -509.436 $\pm$ 1108.981 χ^2 /NDF: 11.2/7

Right Out: 288.847 $\pm$ 724.622 χ^2 /NDF: 22.7/19

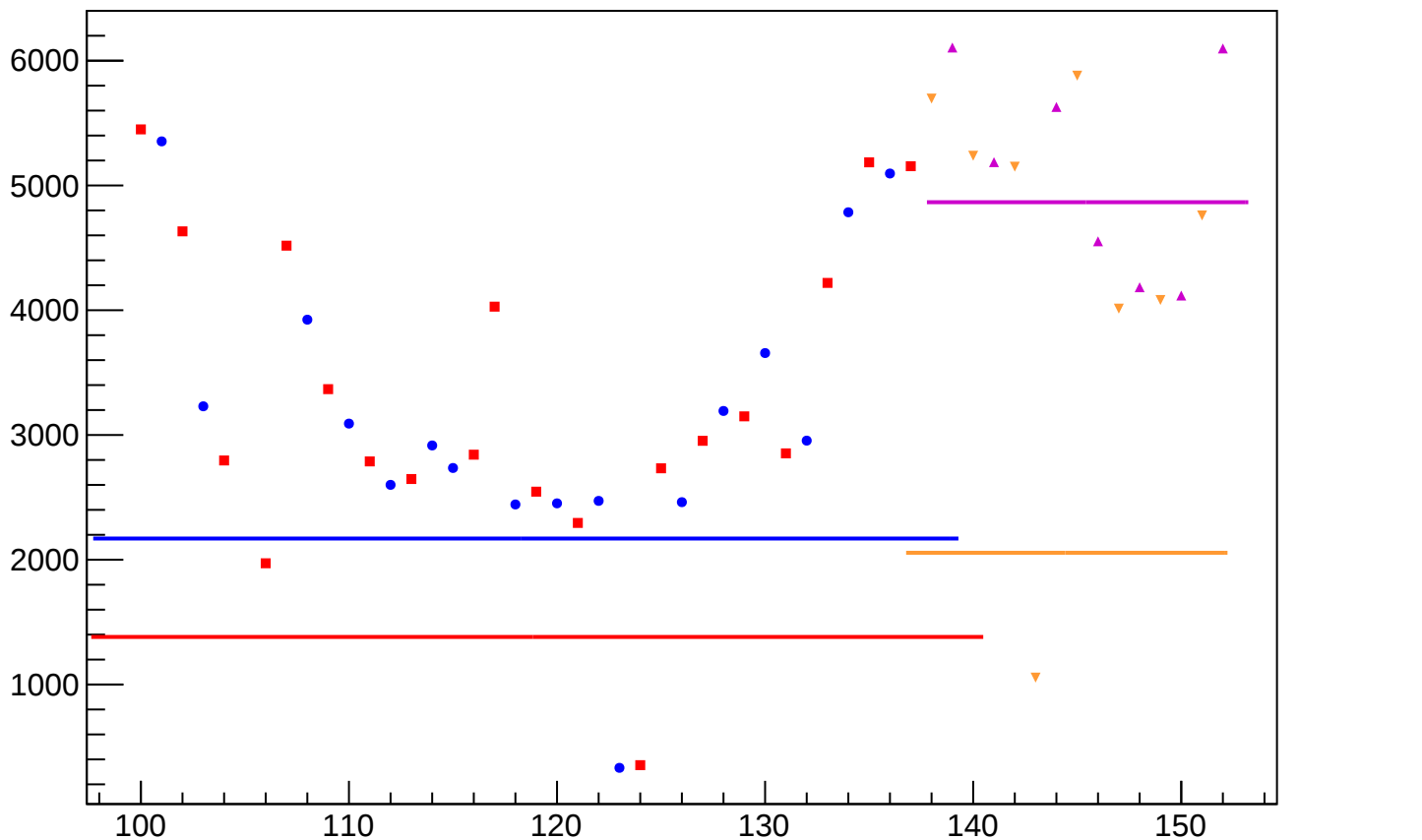
Left In: 1653.602 $\pm$ 2059.336 χ^2 /NDF: 2.7/6

-642.981 $\pm$ 746.127 χ^2 /NDF: 28.1/24

-54.604 $\pm$ 504.013 χ^2 /NDF: 55.1/51

439.206 $\pm$ 683.541 χ^2 /NDF: 25.8/26

asym_atr1l2_avg_correction_rms vs Slug, Sign Corrected



Right In: 2170.242 $\pm$ 0.713 χ^2 /NDF: 3973725.5/16

Left Out: 2055.977 $\pm$ 0.784 χ^2 /NDF: 4586378.8/7

Right Out: 1381.438 $\pm$ 0.512 χ^2 /NDF: 6884822.3/19

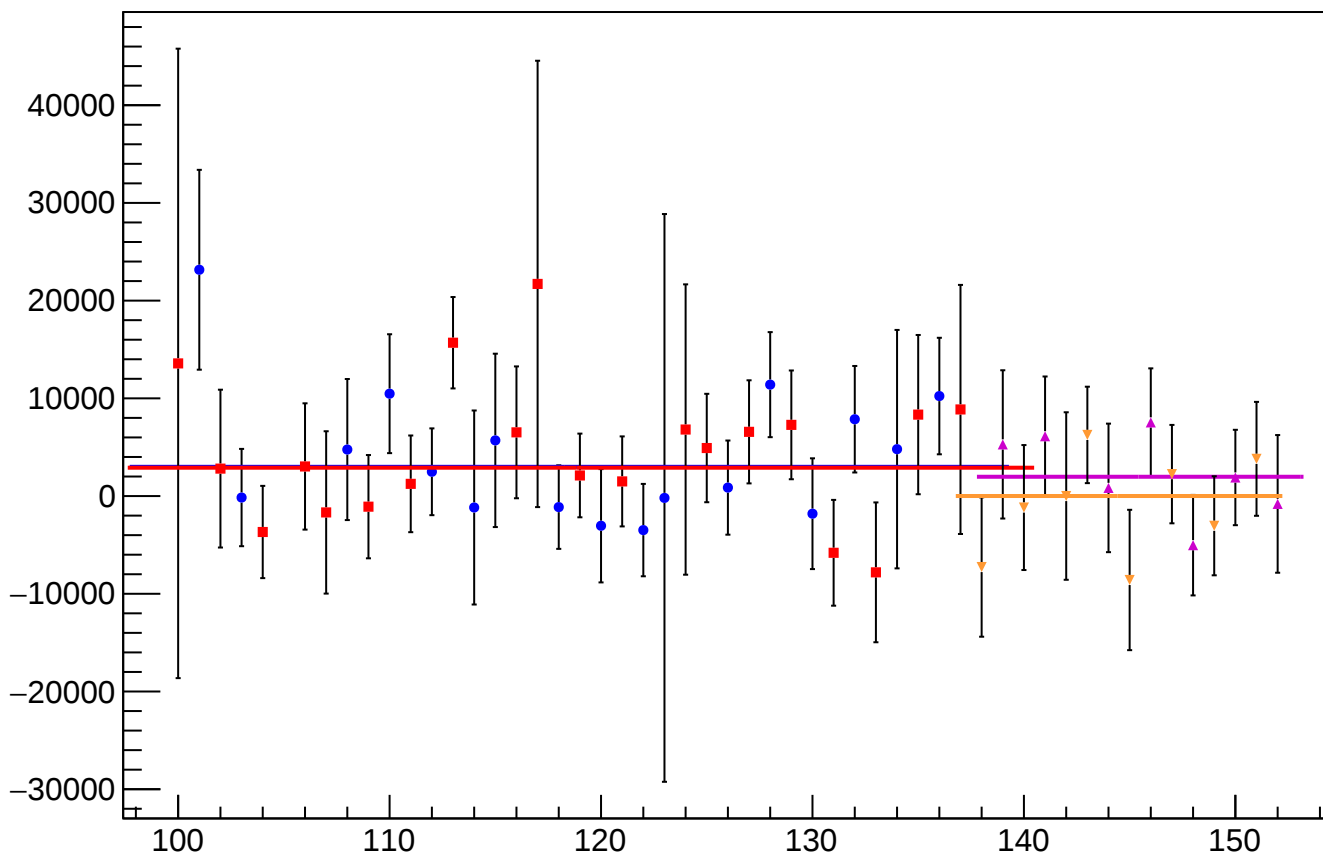
Left In: 4865.758 $\pm$ 1.456 χ^2 /NDF: 272264.4/6

2118.518 $\pm$ 0.528 χ^2 /NDF: 8571725.8/24

1926.485 $\pm$ 0.356 χ^2 /NDF: 21067170.7/5

1765.316 $\pm$ 0.483 χ^2 /NDF: 12251773.2/26

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

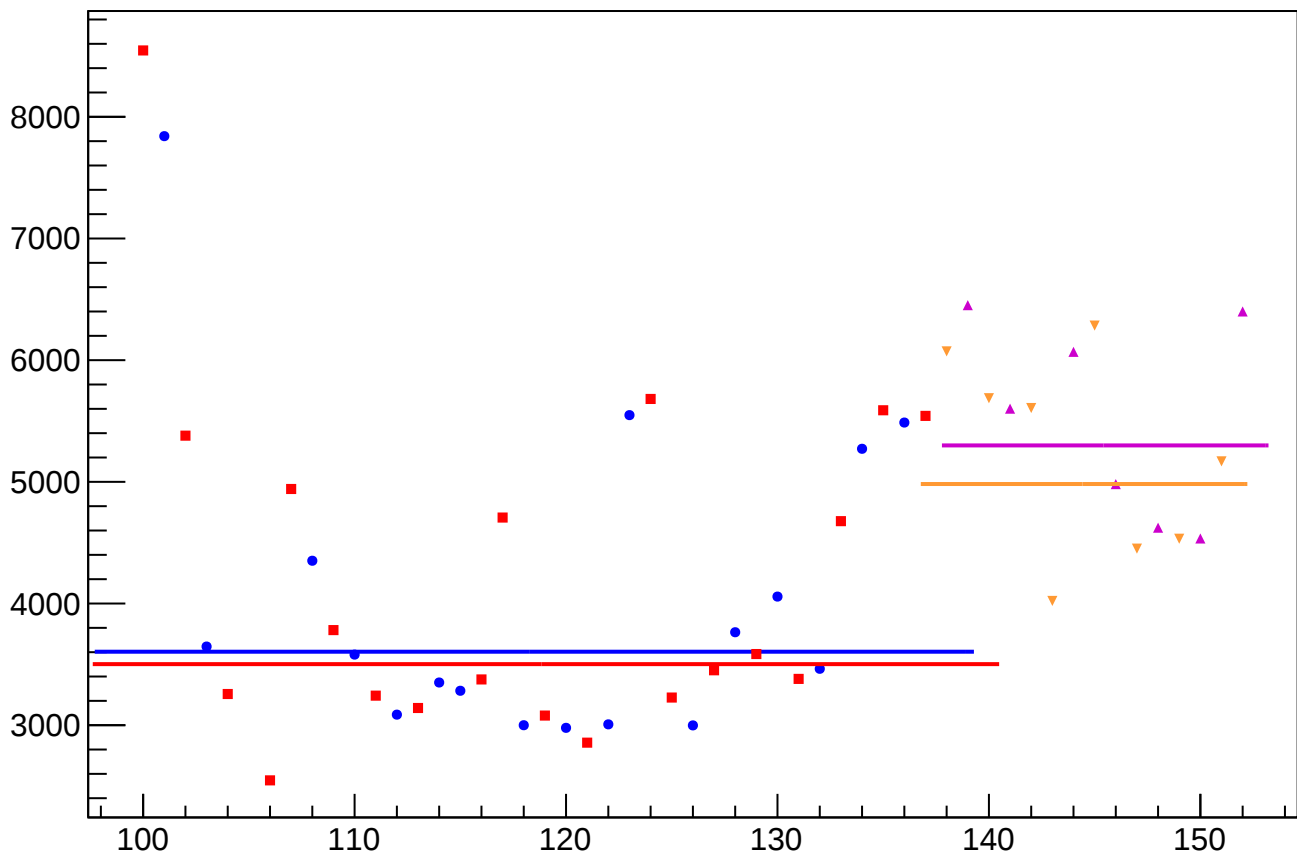
Left In: 1975.953 $\pm$ 2236.765 χ^2 /NDF: 3.7/6

2033.073 $\pm$ 1192.258 χ^2 /NDF: 22.2/24

2345.500 $\pm$ 835.932 χ^2 /NDF: 44.5/51

2647.589 $\pm$ 1172.364 χ^2 /NDF: 22.2/26

asym_atr1l2_avg_rms vs Slug, Sign Corrected



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

Left Out: 4982.140 +/- 1.487 χ^2/NDF : 263349.8/7

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

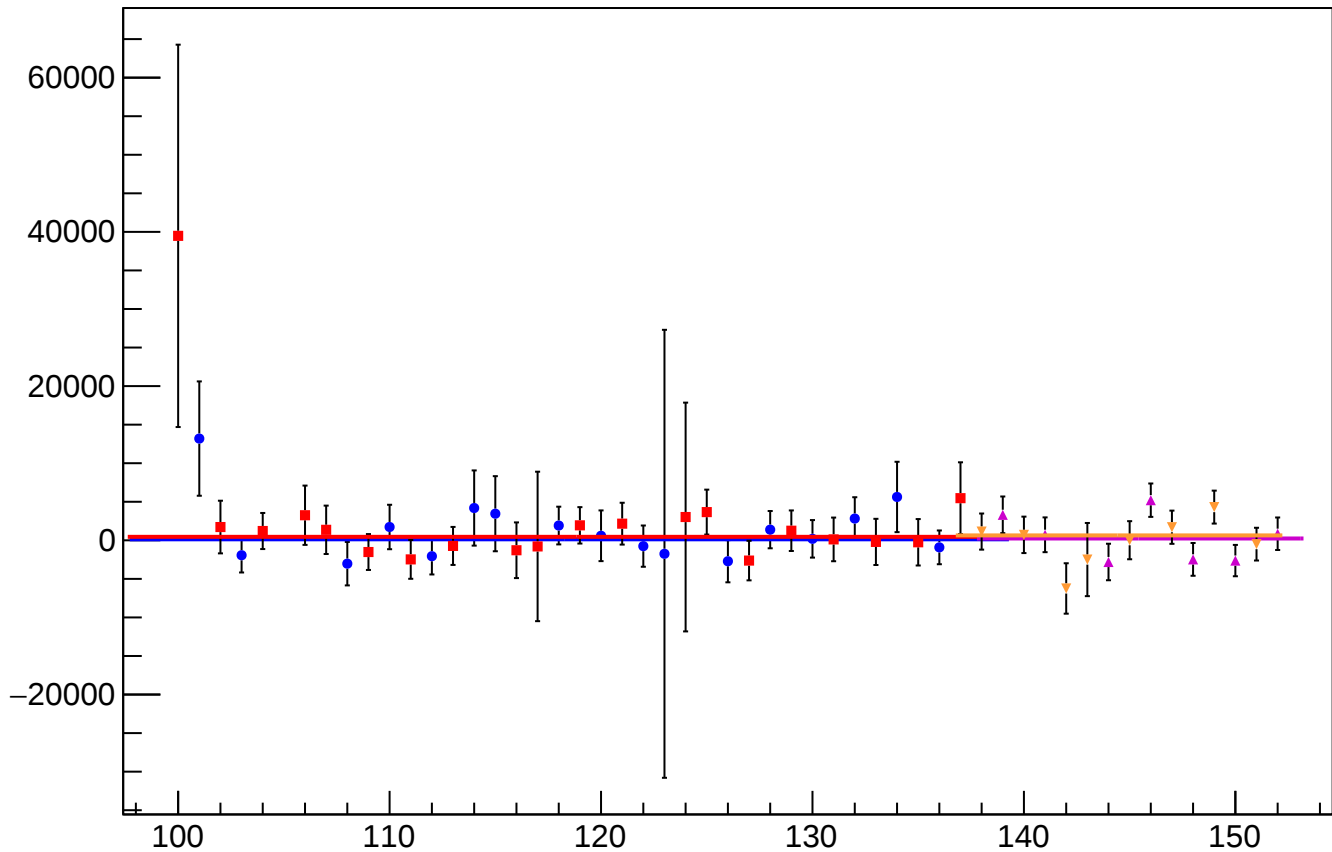
Left In: 5299.414 +/- 1.582 χ^2/NDF : 217556.8/6

4046.746 +/- 0.843 χ^2/NDF : 1630813.2/24

4015.425 +/- 0.588 χ^2/NDF : 3462507.6/51

3985.749 +/- 0.821 χ^2/NDF : 1829006.4/26

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 130.913+/-709.207 χ^2/NDF : 12.2/16

Left Out: 637.787+/-870.365 χ^2/NDF : 8.5/7

Right Out: 452.872+/-680.160 χ^2/NDF : 10.7/19

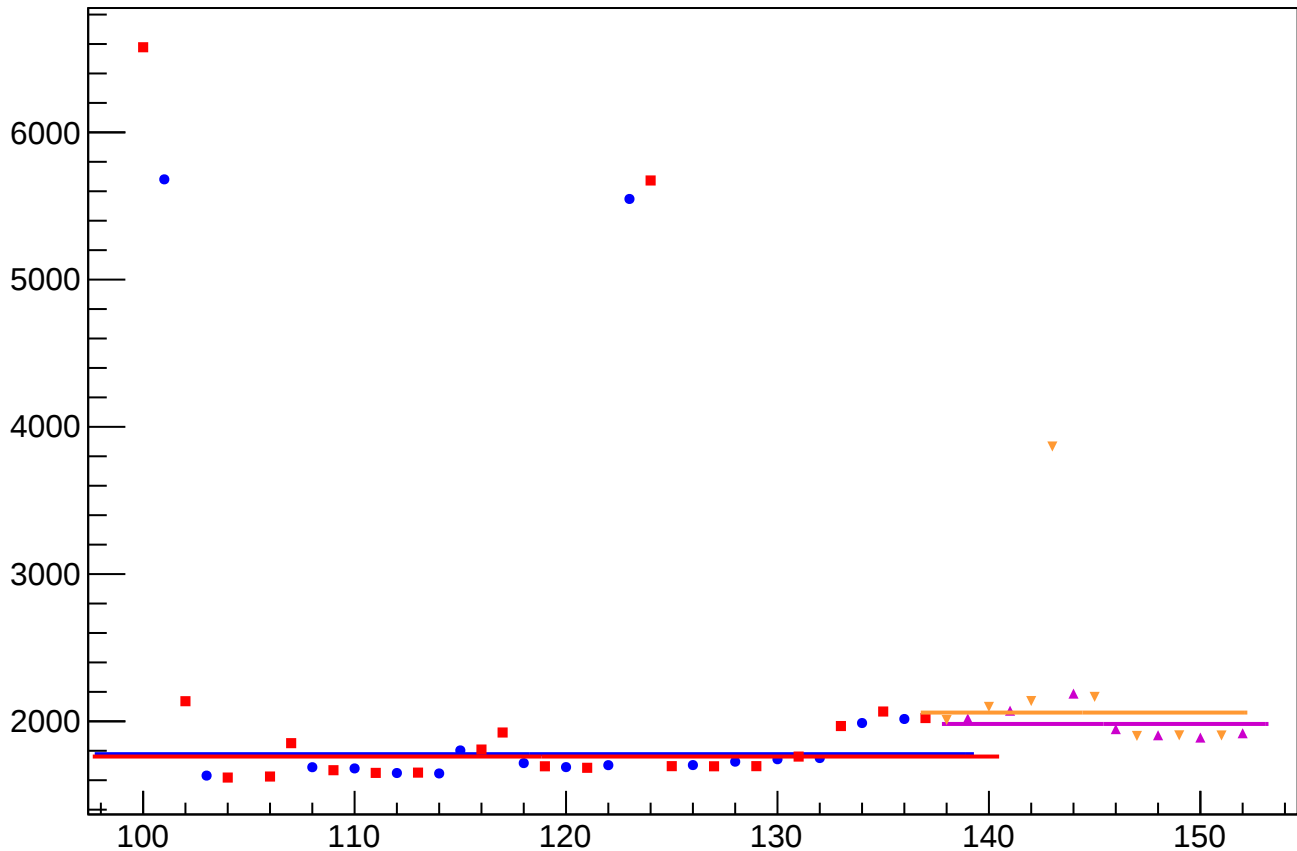
Left In: 237.465+/-829.199 χ^2/NDF : 12.3/6

333.168+/-549.795 χ^2/NDF : 20.8/24

350.436+/-380.026 χ^2/NDF : 43.9/51

366.233+/-525.879 χ^2/NDF : 23.1/26

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 $\chi^2/\text{NDF}: 306724.5/19$

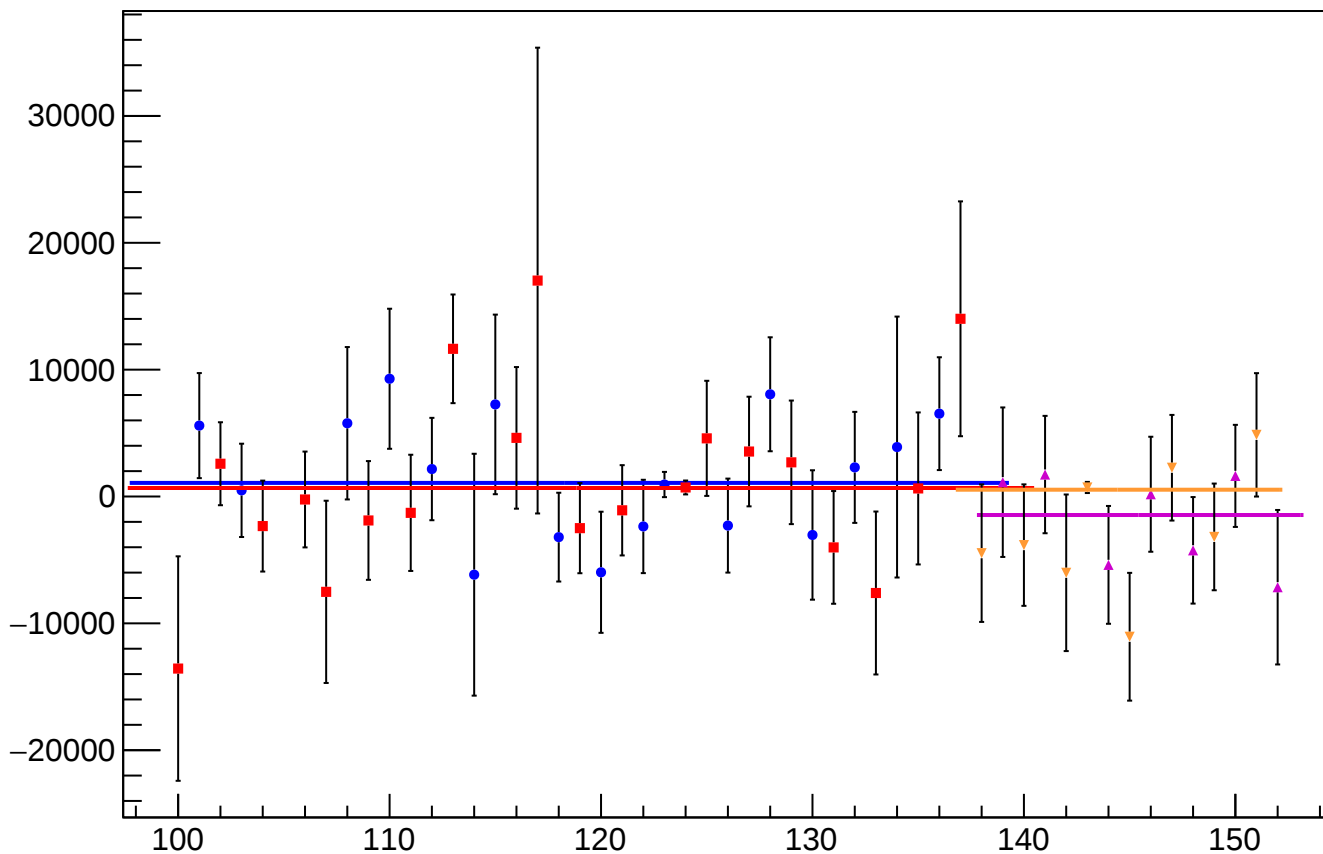
Left In: 1982.151 ± 0.586 $\chi^2/\text{NDF}: 27910.3/6$

1889.630 ± 0.389 $\chi^2/\text{NDF}: 1098786.8/24$

1868.382 ± 0.268 $\chi^2/\text{NDF}: 1524791.2/51$

1849.100 ± 0.370 $\chi^2/\text{NDF}: 420306.5/26$

asym_atr1l2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1072.194+/-752.280 χ^2/NDF : 15.6/16

Left Out: 535.393+/-426.754 χ^2/NDF : 10.0/7

Right Out: 670.313+/-487.861 χ^2/NDF : 20.6/19

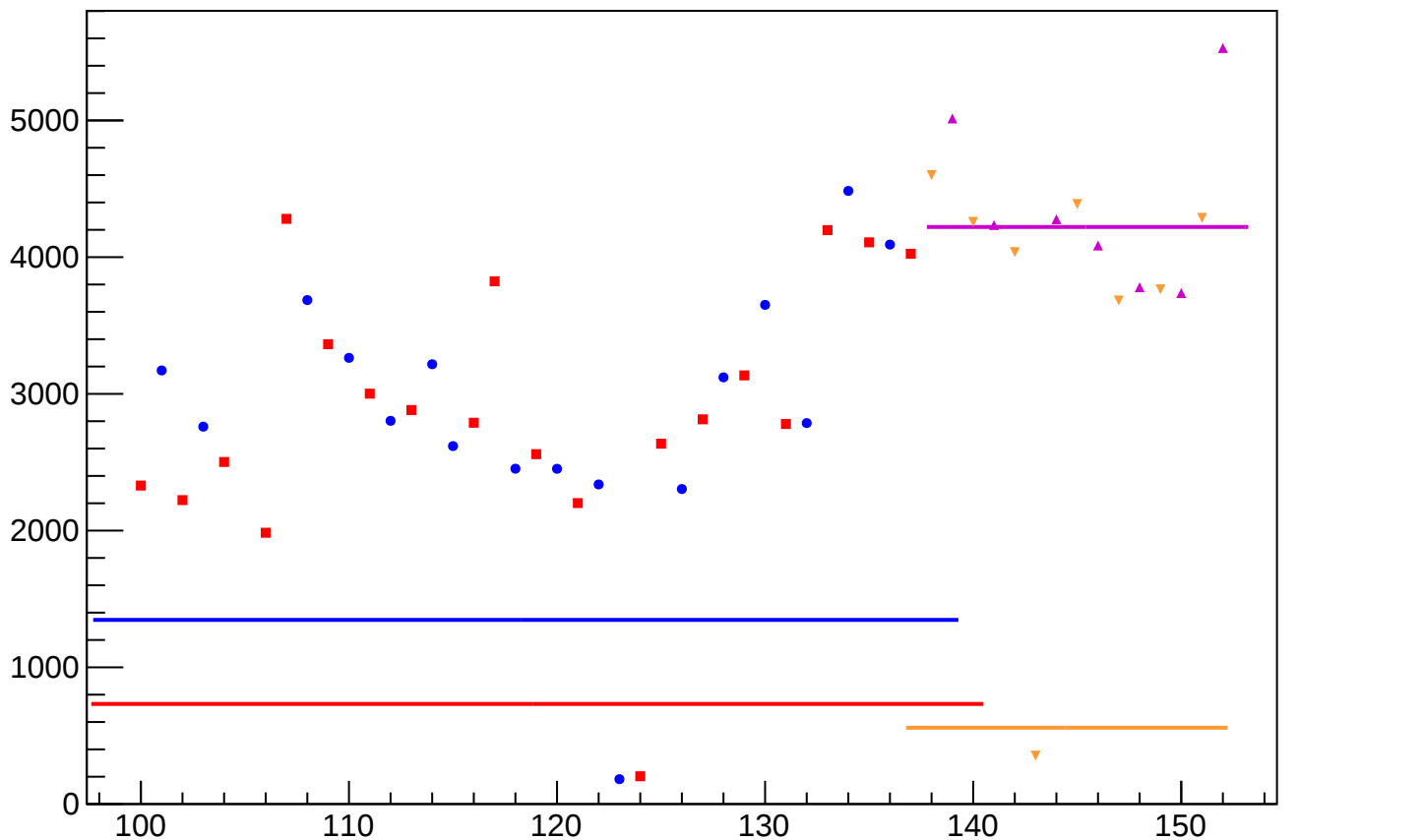
Left In: -1459.120+/-1779.077 χ^2/NDF : 3.4/6

666.083+/-371.187 χ^2/NDF : 26.0/24

610.571+/-291.415 χ^2/NDF : 51.3/51

521.384+/-470.492 χ^2/NDF : 25.3/26

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

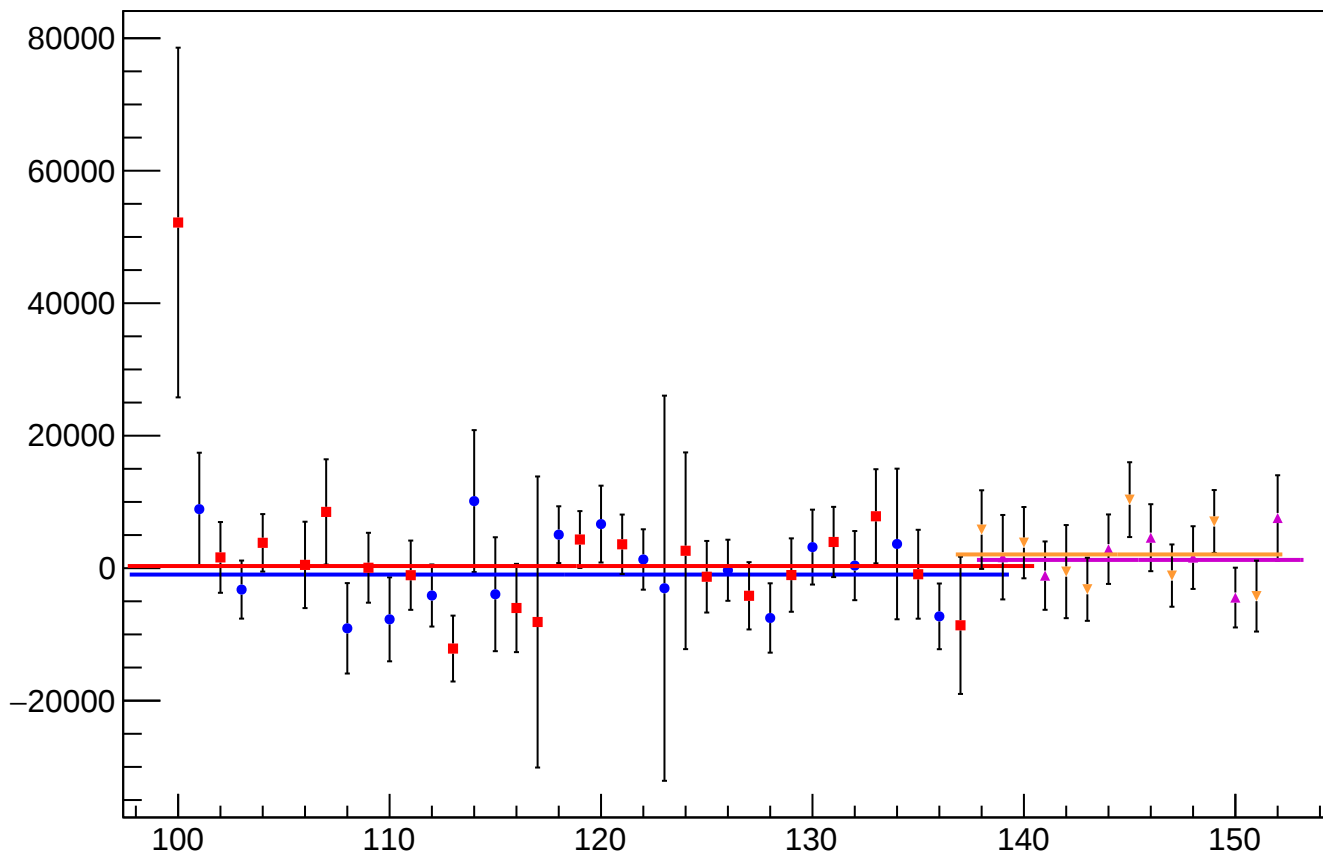
Left In: 4220.795 $\pm$ 1.258 χ^2/NDF : 181644.3/6

750.223 $\pm$ 0.262 χ^2/NDF : 16498897.1/24

836.948 $\pm$ 0.206 χ^2/NDF : 33676982.1/51

976.283 $\pm$ 0.333 χ^2/NDF : 16893502.3/26

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

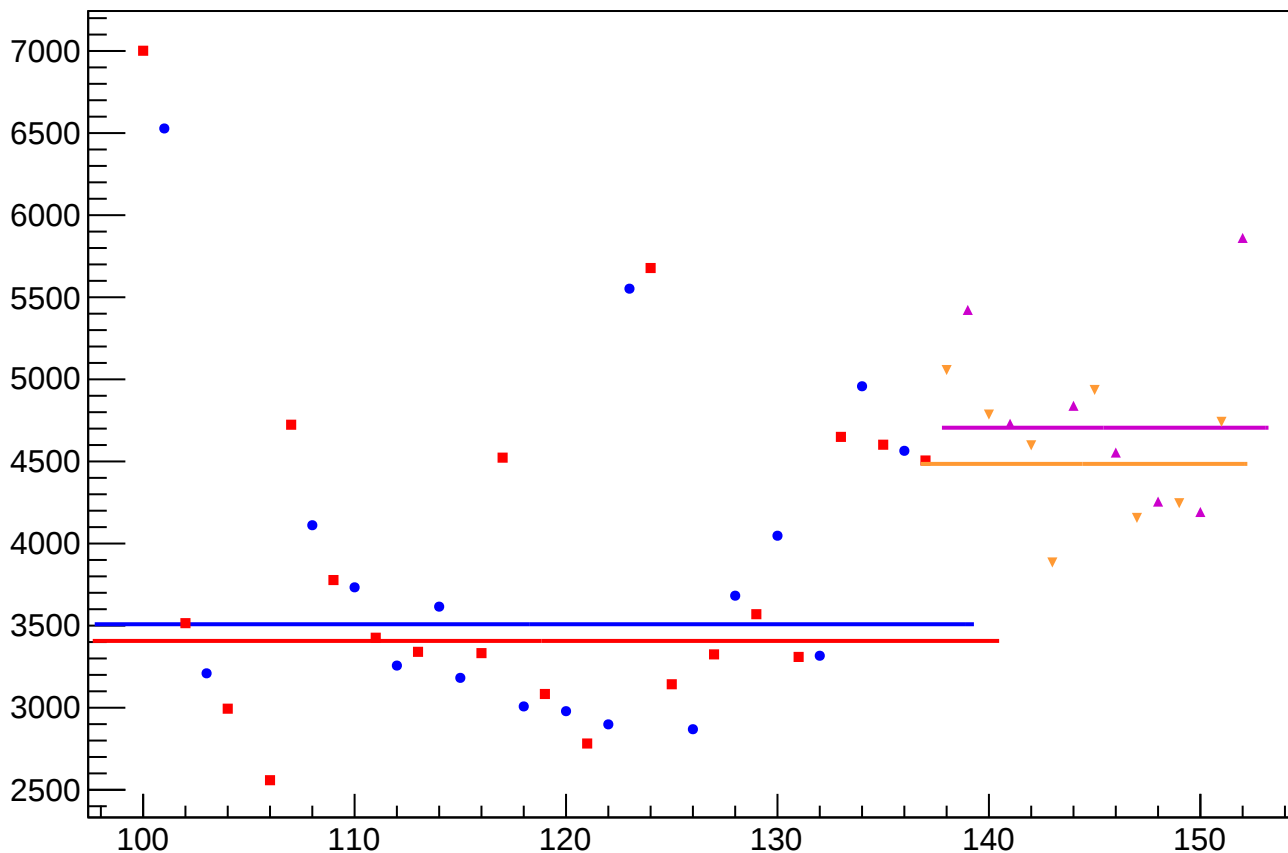
Left In: 1246.832 ± 1978.610 χ^2/NDF : 3.3/6

115.698 ± 1120.555 χ^2/NDF : 22.4/24

367.013 ± 785.811 χ^2/NDF : 43.7/51

610.197 ± 1102.278 χ^2/NDF : 21.2/26

asym_atr1l2_dd_rms vs Slug, Sign Corrected



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

Left Out: 4485.116+/-1.329 χ^2/NDF : 89188.4/7

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

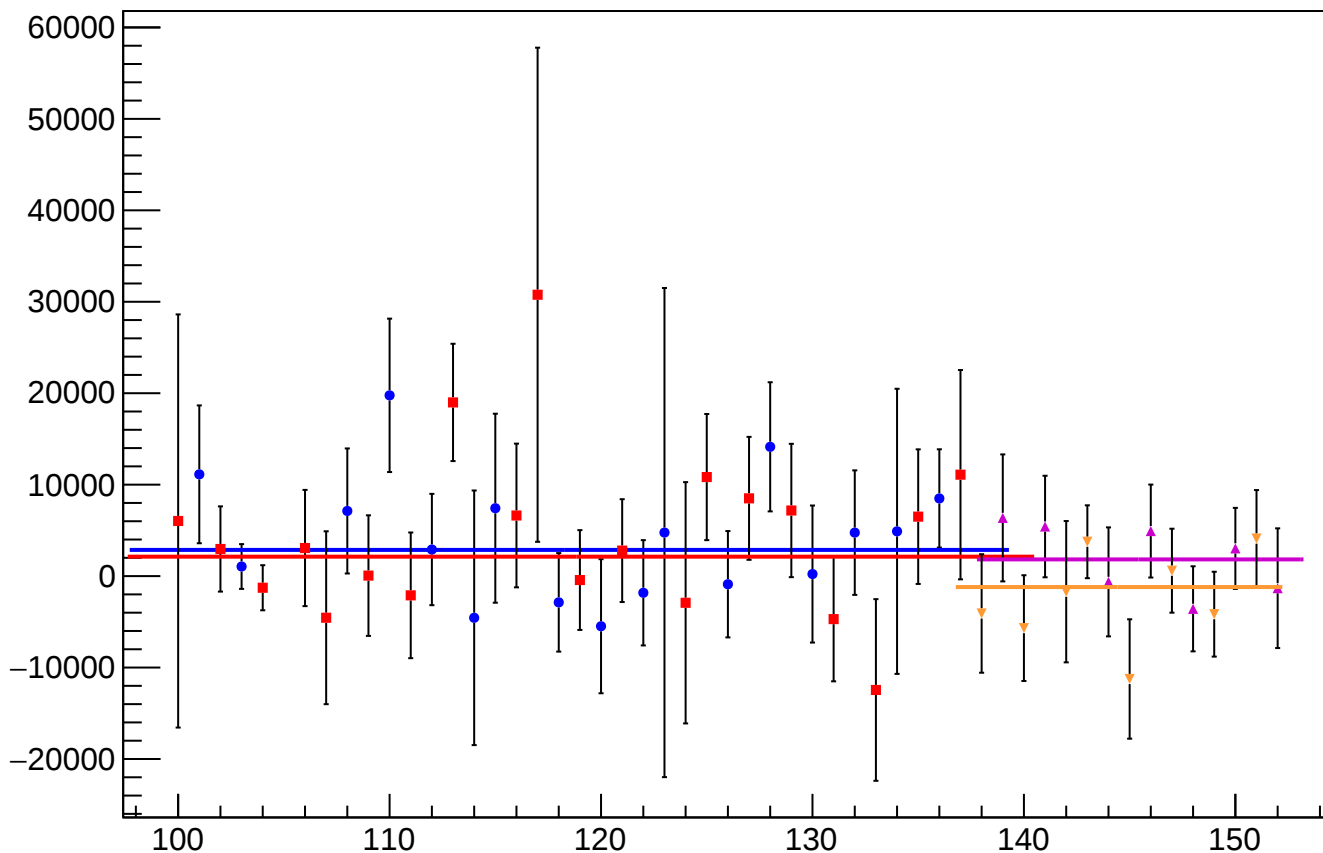
Left In: 4705.411+/-1.399 χ^2/NDF : 136631.4/6

3855.521+/-0.792 χ^2/NDF : 999406.9/24

3828.439+/-0.553 χ^2/NDF : 2170900.2/51

3802.700+/-0.772 χ^2/NDF : 1169214.8/26

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

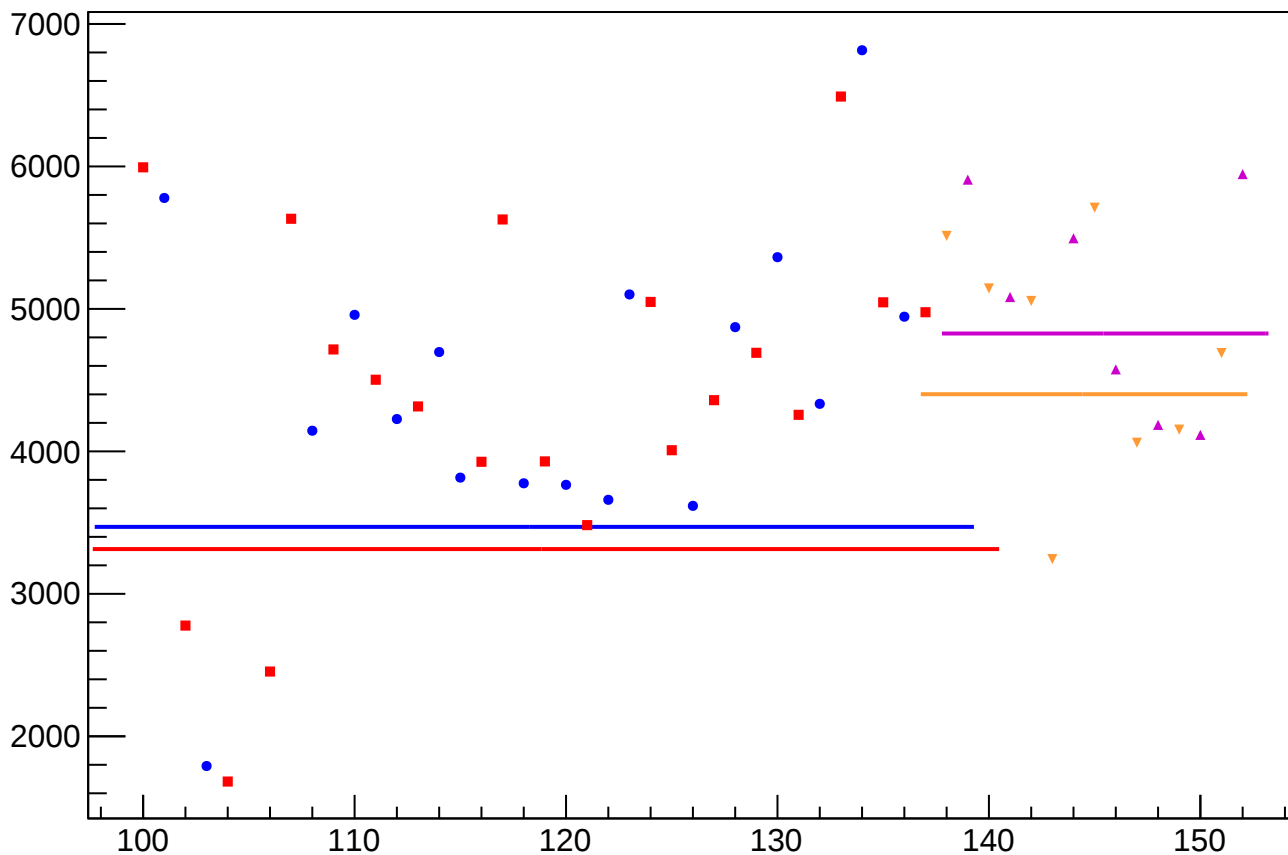
Left In: 1825.629 $\pm$ 2038.920 χ^2 /NDF: 3.0/6

1334.968 $\pm$ 1146.894 χ^2 /NDF: 23.3/24

1684.619 $\pm$ 809.494 χ^2 /NDF: 45.3/51

2031.724 $\pm$ 1142.713 χ^2 /NDF: 21.9/26

reg_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3470.042+/-1.027 χ^2/NDF : 1760860.6/16

Left Out: 4401.278+/-1.321 χ^2/NDF : 378057.3/7

Right Out: 3314.183+/-0.967 χ^2/NDF : 1925484.9/19

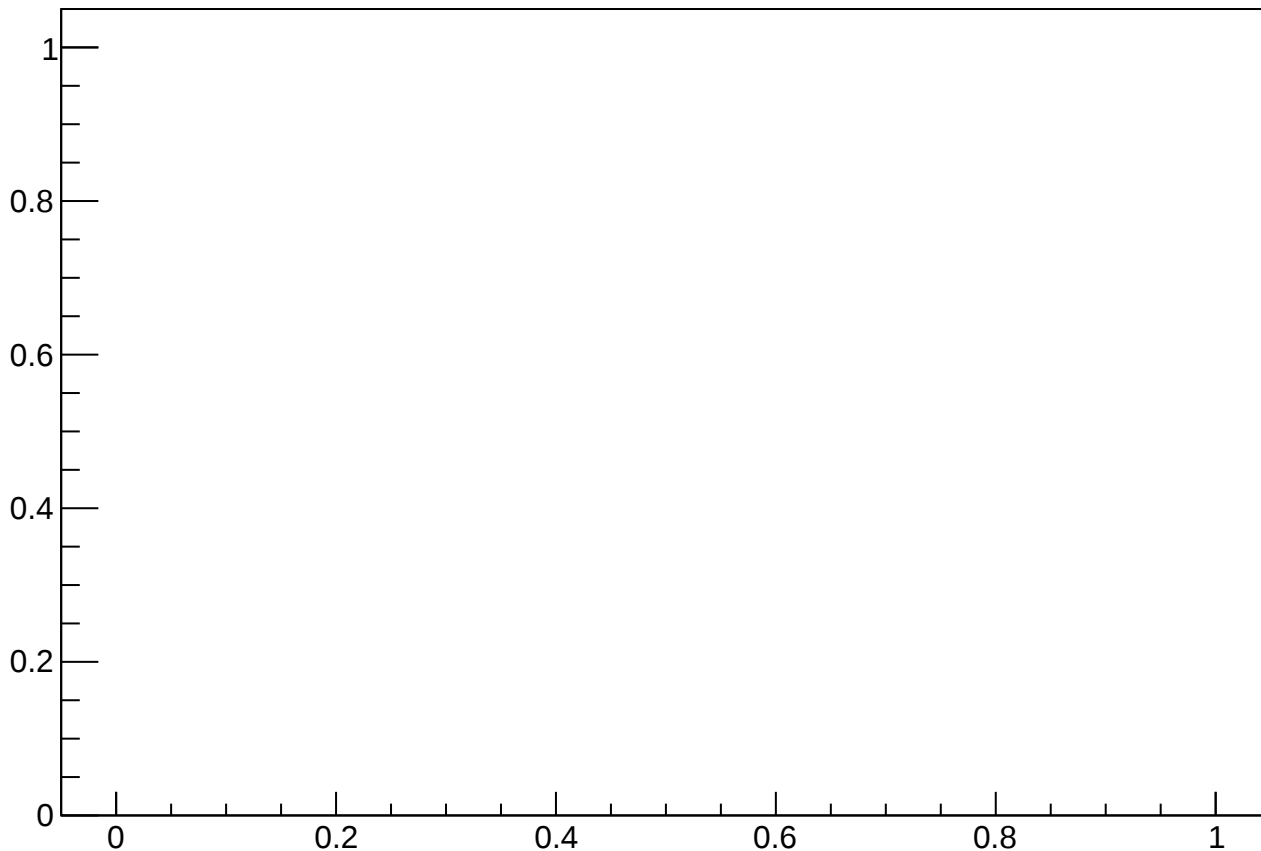
Left In: 4827.341+/-1.442 χ^2/NDF : 230737.8/6

3820.797+/-0.811 χ^2/NDF : 2448508.3/24

3801.975+/-0.571 χ^2/NDF : 5365666.4/51

3783.524+/-0.803 χ^2/NDF : 2916091.3/26

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

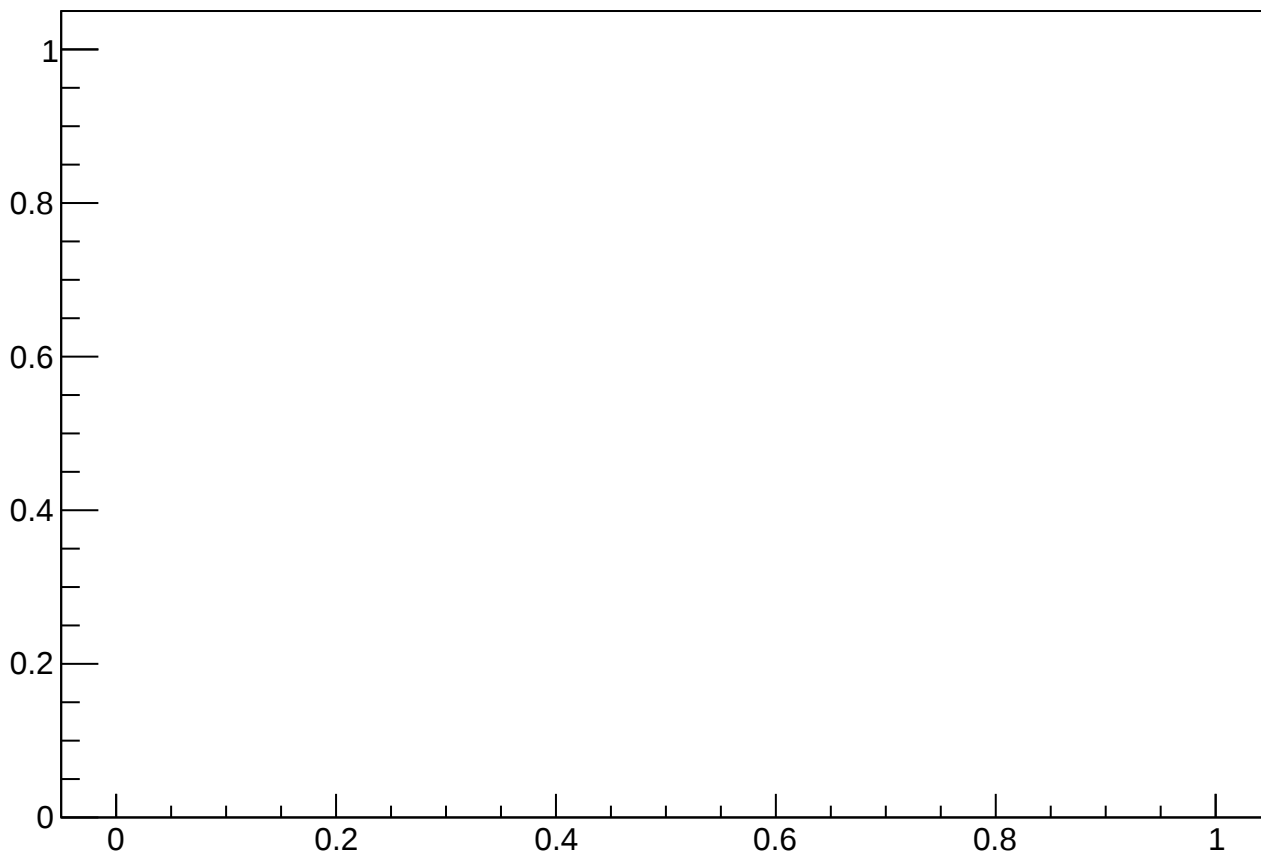
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

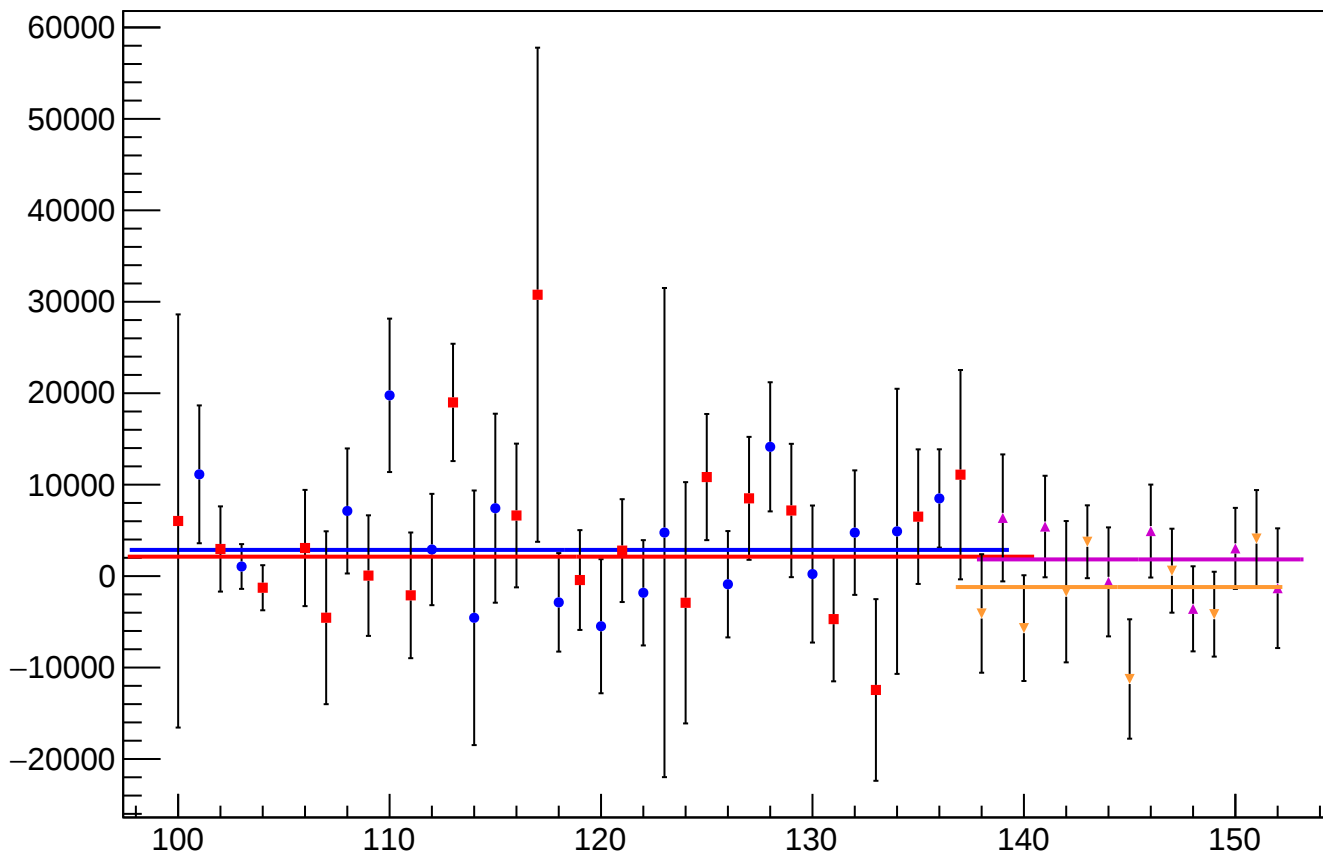
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

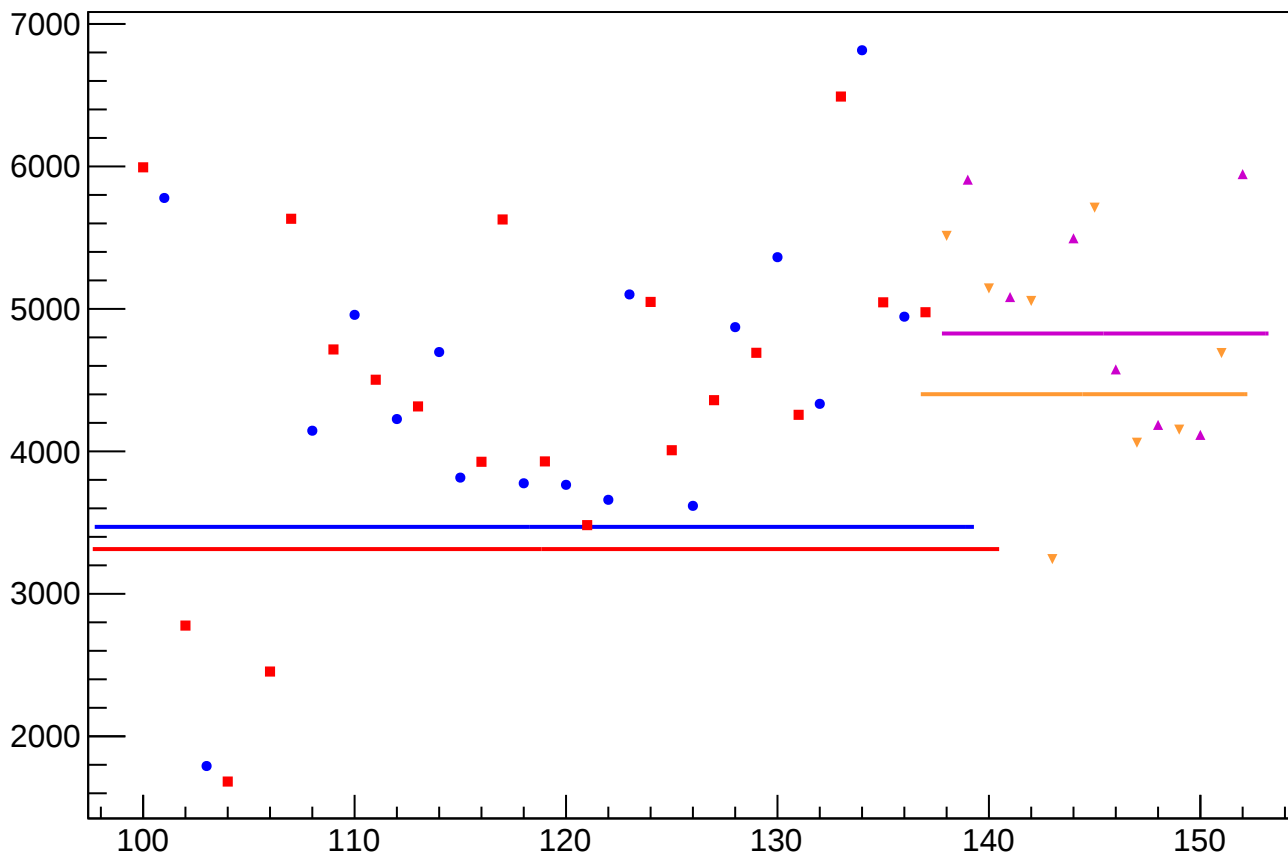
Left In: 1825.629+/-2038.920 χ^2/NDF : 3.0/6

1334.968+/-1146.894 χ^2/NDF : 23.3/24

1684.619+/-809.494 χ^2/NDF : 45.3/51

2031.724+/-1142.713 χ^2/NDF : 21.9/26

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

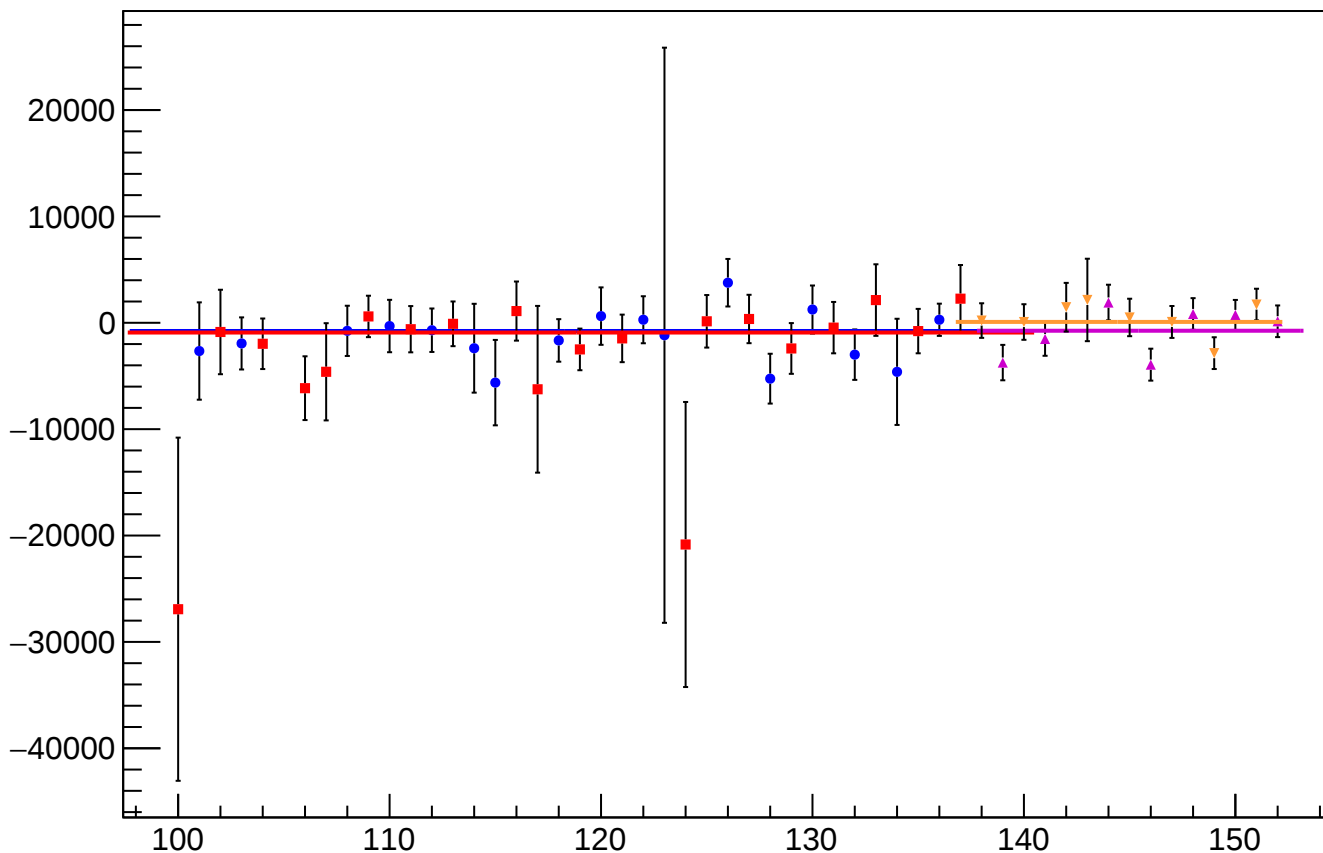
Left In: 4827.341 $\pm$ 1.442 χ^2 /NDF: 230737.8/6

3820.797 $\pm$ 0.811 χ^2 /NDF: 2448508.3/24

3801.975 $\pm$ 0.571 χ^2 /NDF: 5365666.4/51

3783.524 $\pm$ 0.803 χ^2 /NDF: 2916091.3/26

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

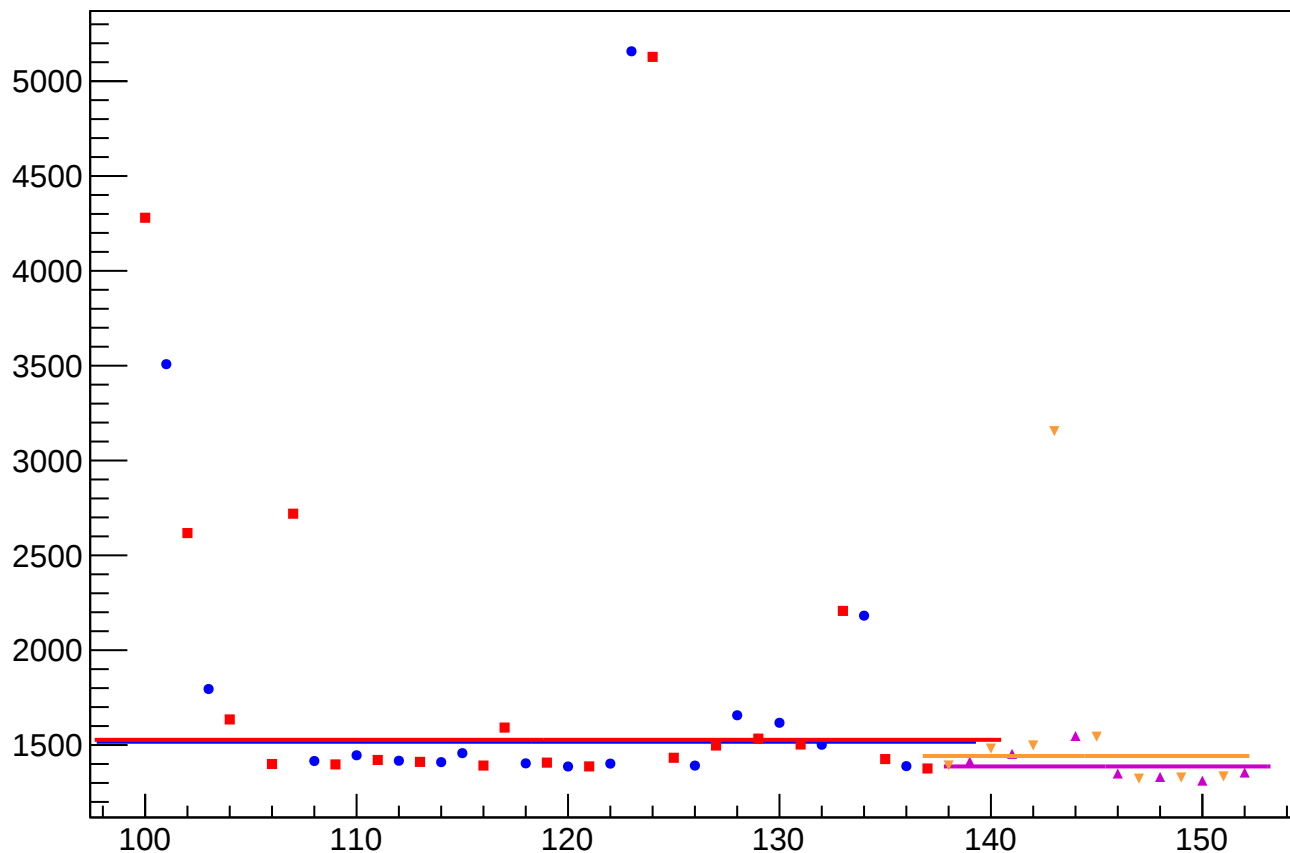
Left In: -747.276+/-580.657 χ^2/NDF : 13.1/6

-351.050+/-430.159 χ^2/NDF : 20.0/24

-598.990+/-298.665 χ^2/NDF : 47.8/51

-829.762+/-415.000 χ^2/NDF : 27.1/26

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

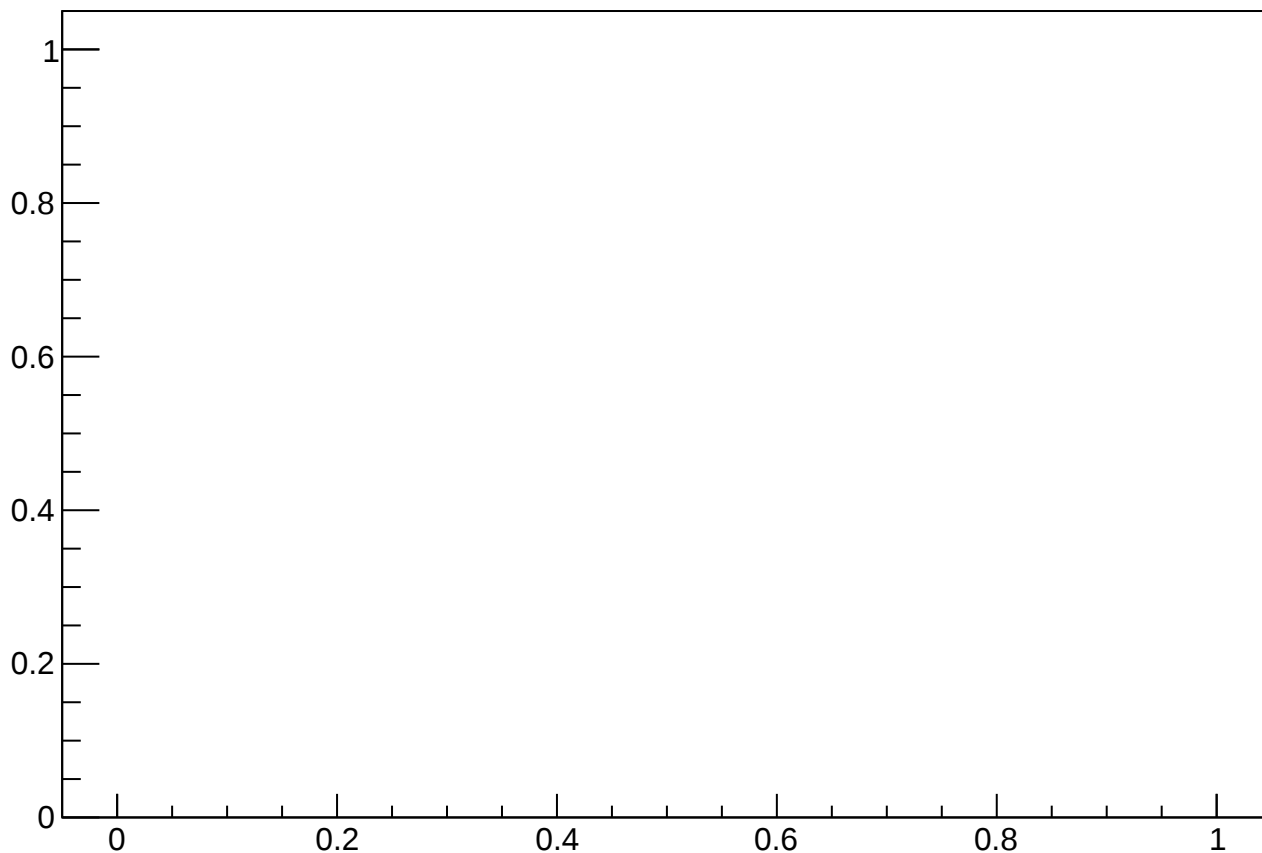
Left In: 1386.985+/-0.411 χ^2/NDF : 32927.9/6

1480.306+/-0.304 χ^2/NDF : 988023.4/24

1467.543+/-0.211 χ^2/NDF : 1713366.8/51

1455.665+/-0.293 χ^2/NDF : 721944.3/26

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

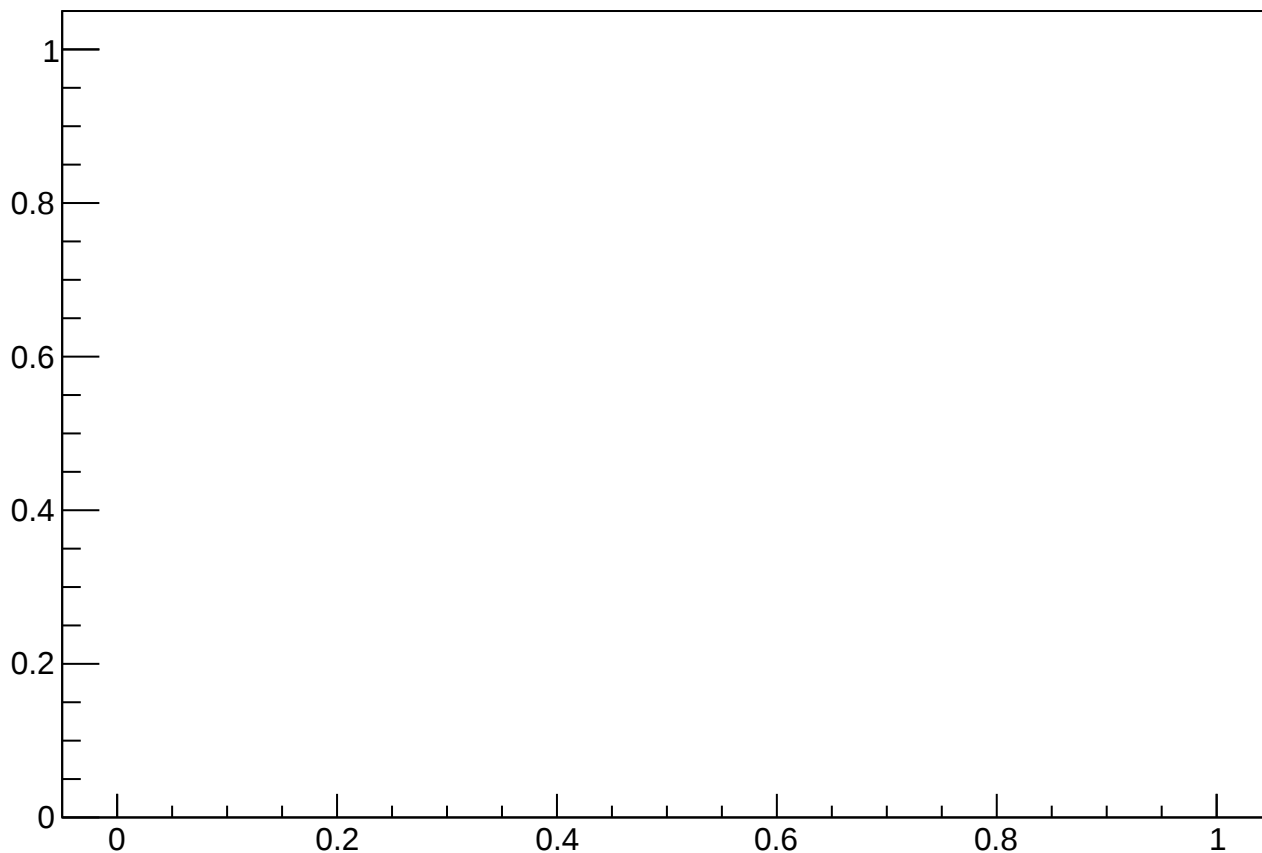
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

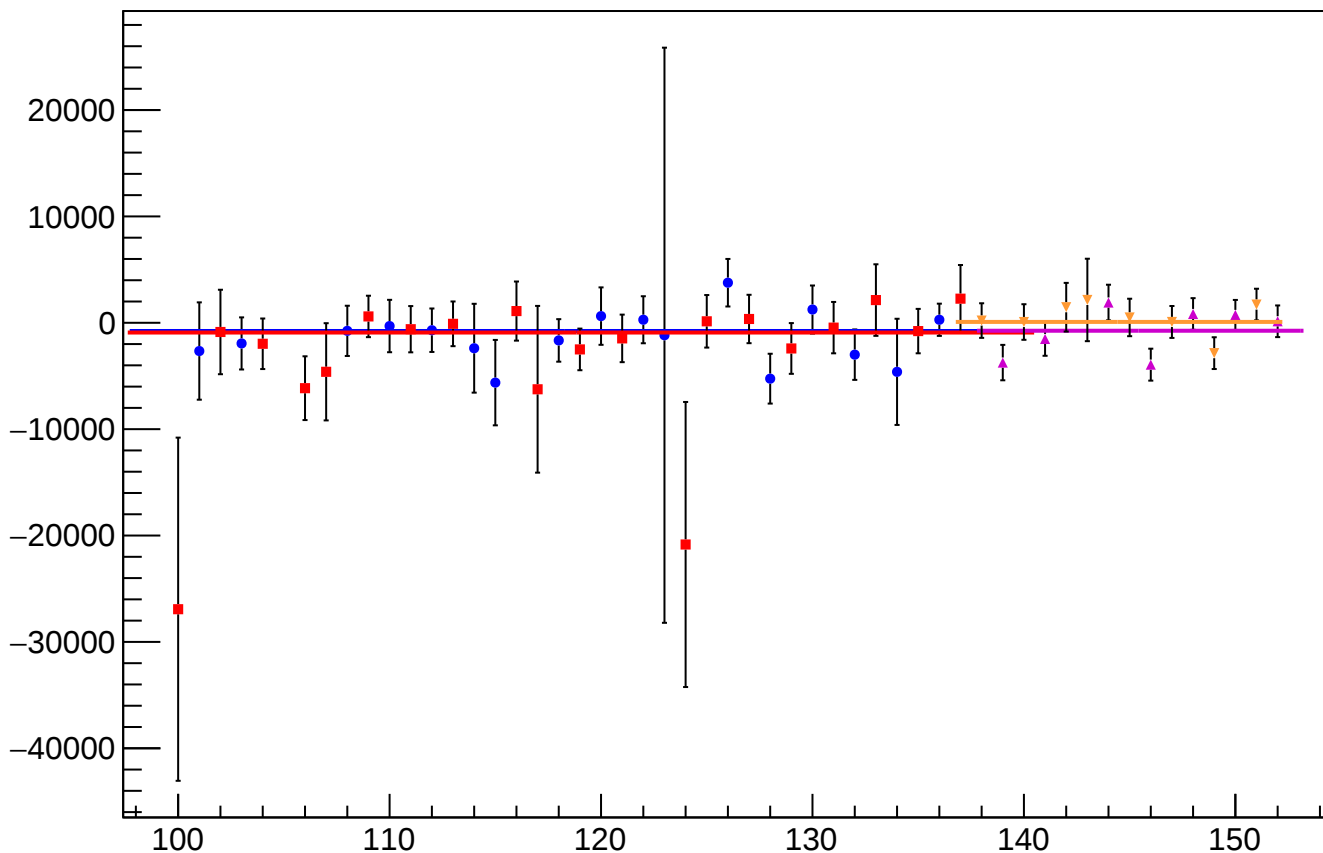
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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

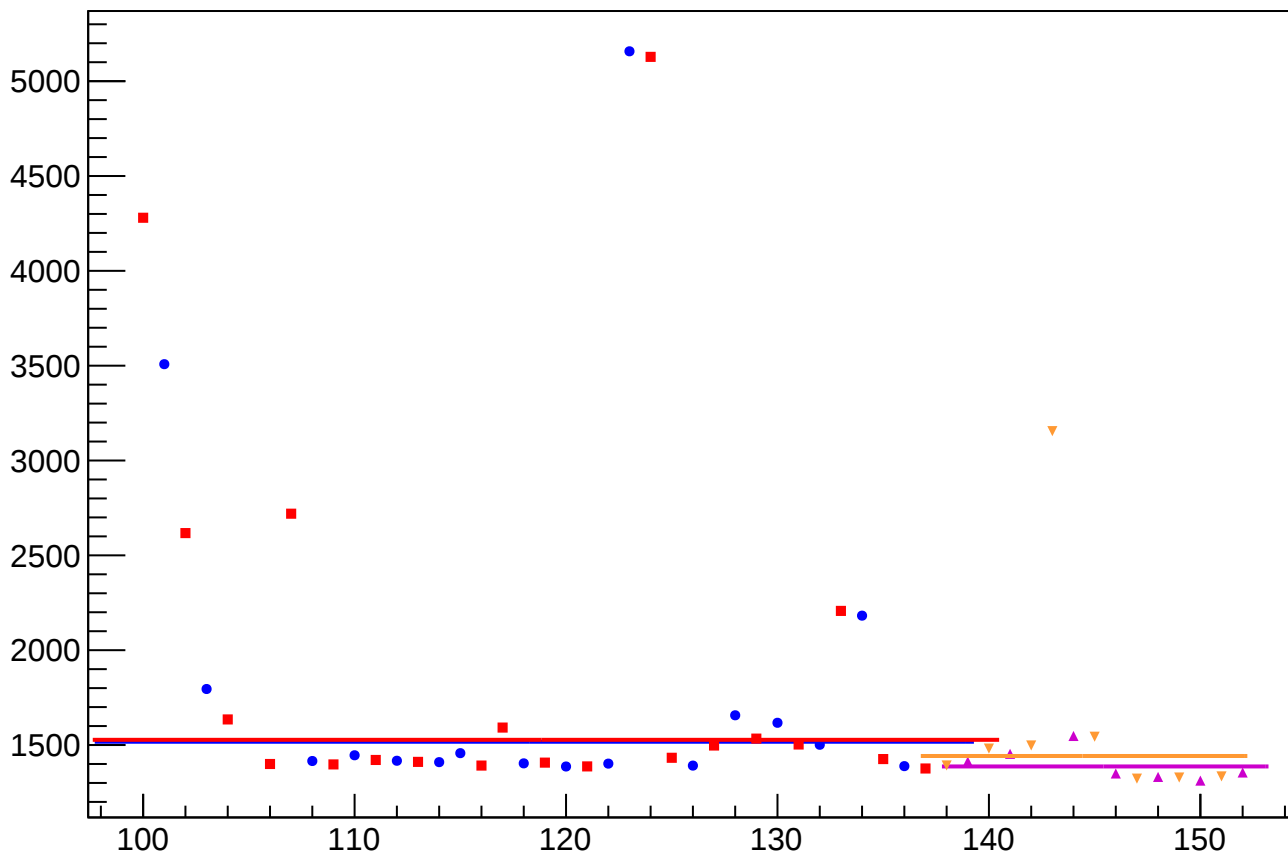
Left In: -747.276+/-580.657 χ^2/NDF : 13.1/6

-351.050+/-430.159 χ^2/NDF : 20.0/24

-598.990+/-298.665 χ^2/NDF : 47.8/51

-829.762+/-415.000 χ^2/NDF : 27.1/26

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

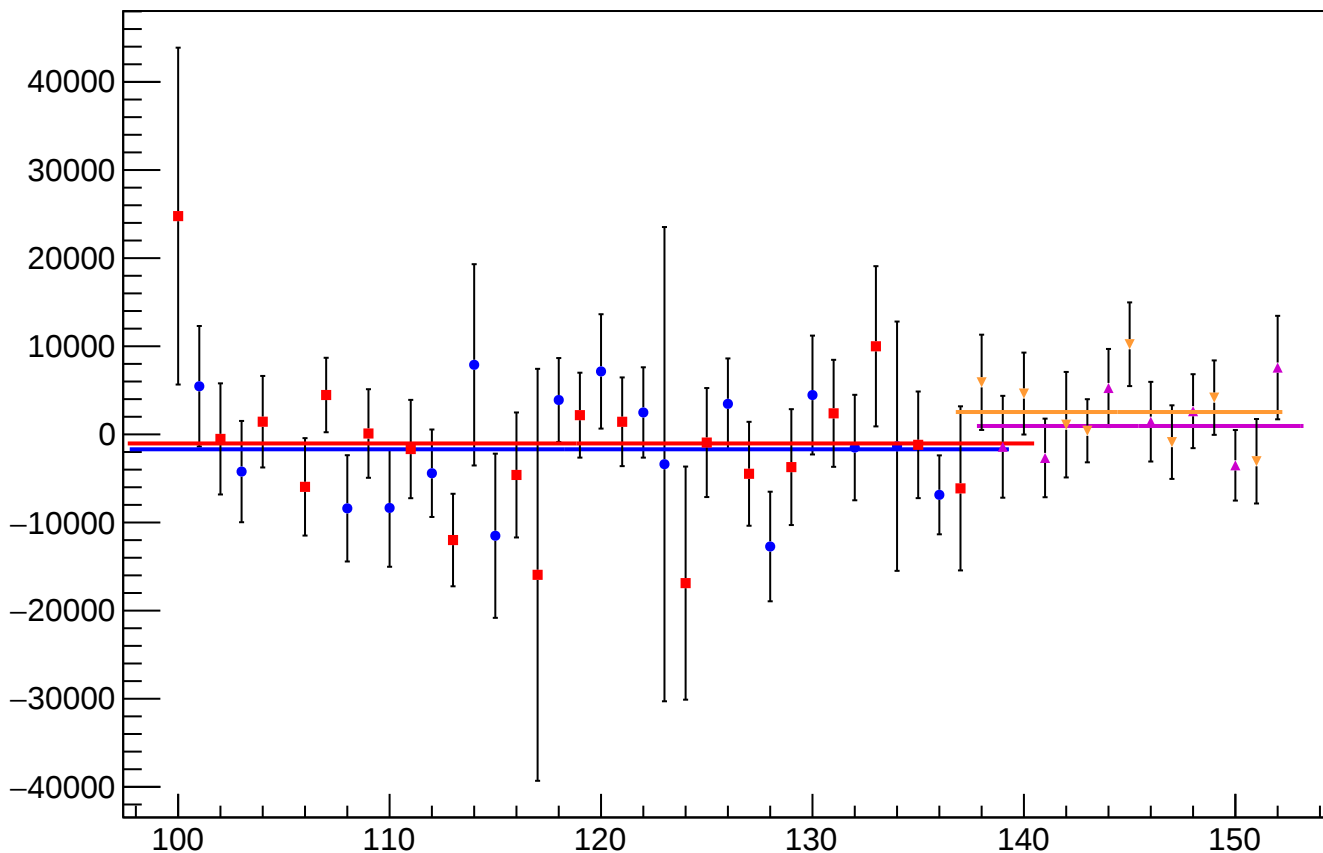
Left In: 1386.985+/-0.411 χ^2/NDF : 32927.9/6

1480.306+/-0.304 χ^2/NDF : 988023.4/24

1467.543+/-0.211 χ^2/NDF : 1713366.8/51

1455.665+/-0.293 χ^2/NDF : 721944.3/26

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

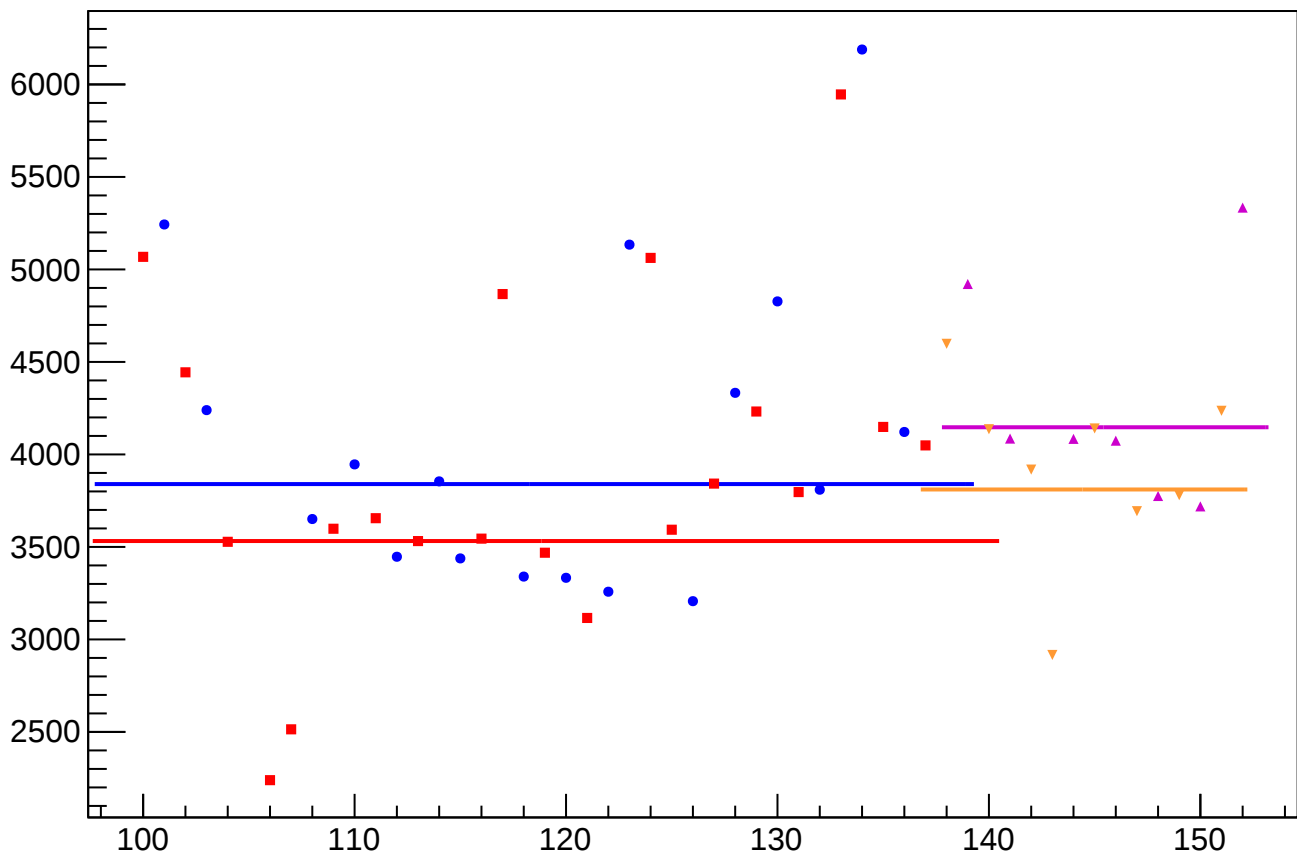
Left In: 952.773 $\pm$ 1745.372 χ^2 /NDF: 4.5/6

296.267 $\pm$ 1101.337 χ^2 /NDF: 25.3/24

8.044 $\pm$ 771.404 χ^2 /NDF: 45.1/51

-269.537 $\pm$ 1080.811 χ^2 /NDF: 19.6/26

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

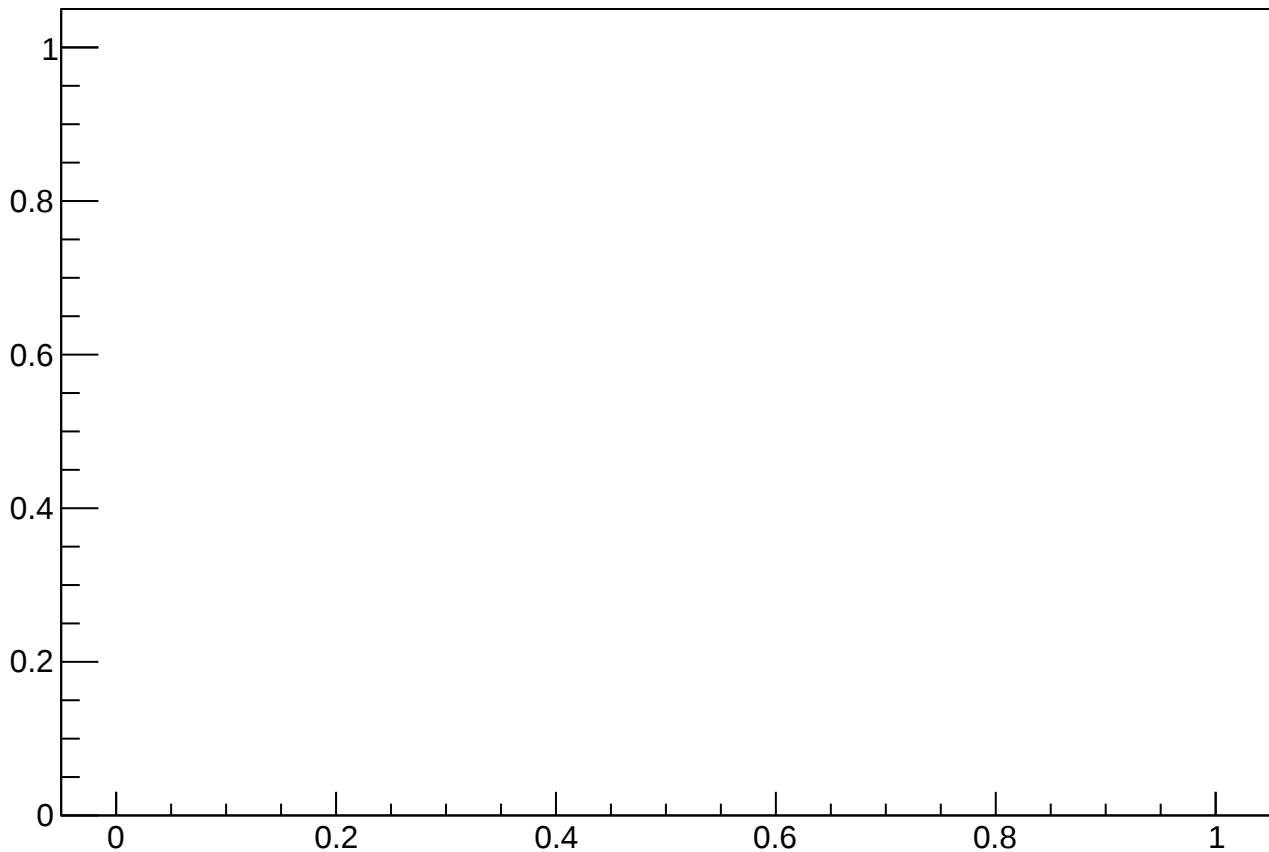
Left In: 4146.892+/-1.234 χ^2/NDF : 157459.5/6

3826.021+/-0.779 χ^2/NDF : 530997.7/24

3794.804+/-0.544 χ^2/NDF : 1407093.5/51

3765.075+/-0.760 χ^2/NDF : 872958.6/26

asym_atl_dd_atr_dd_avg_correction_mean vs Slug, Sign Corrected



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

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

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

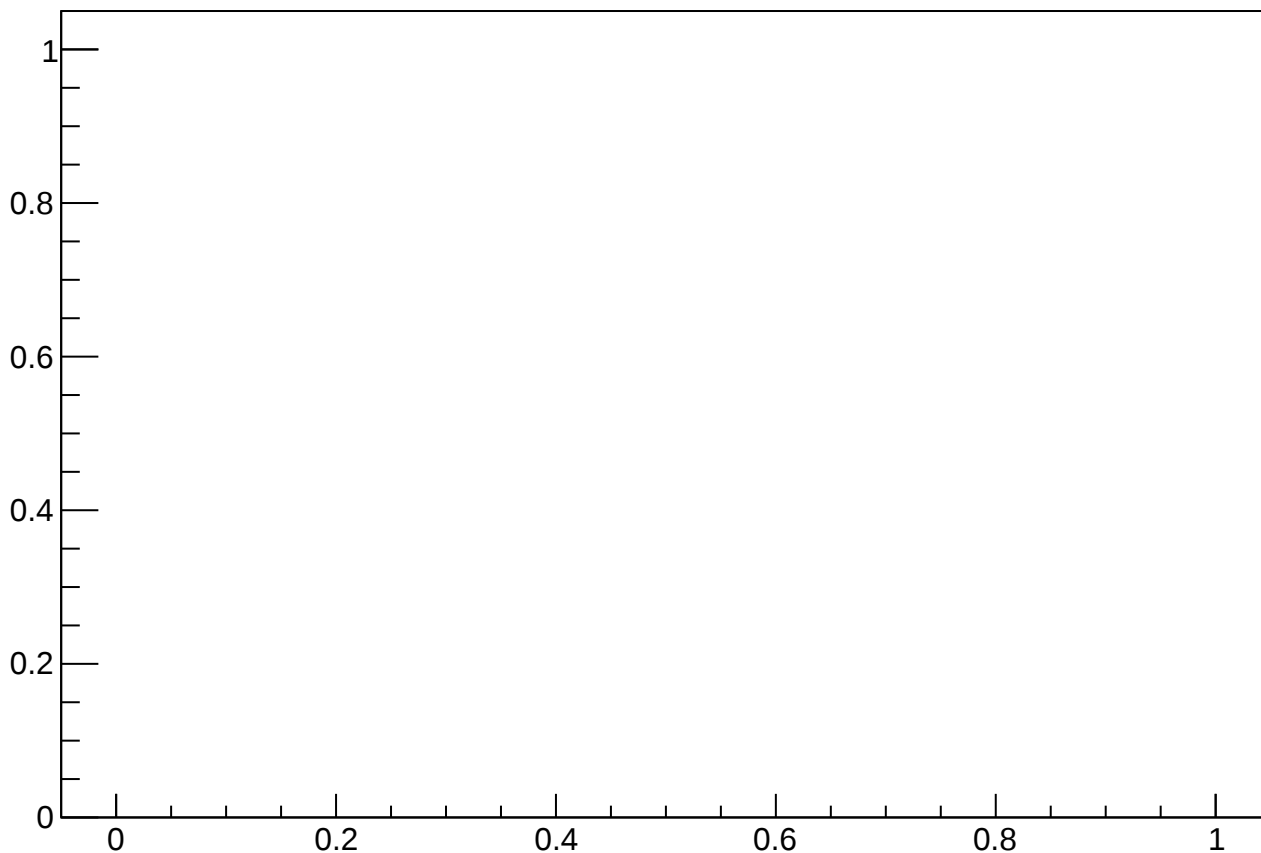
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug, Sign Corrected



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

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

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

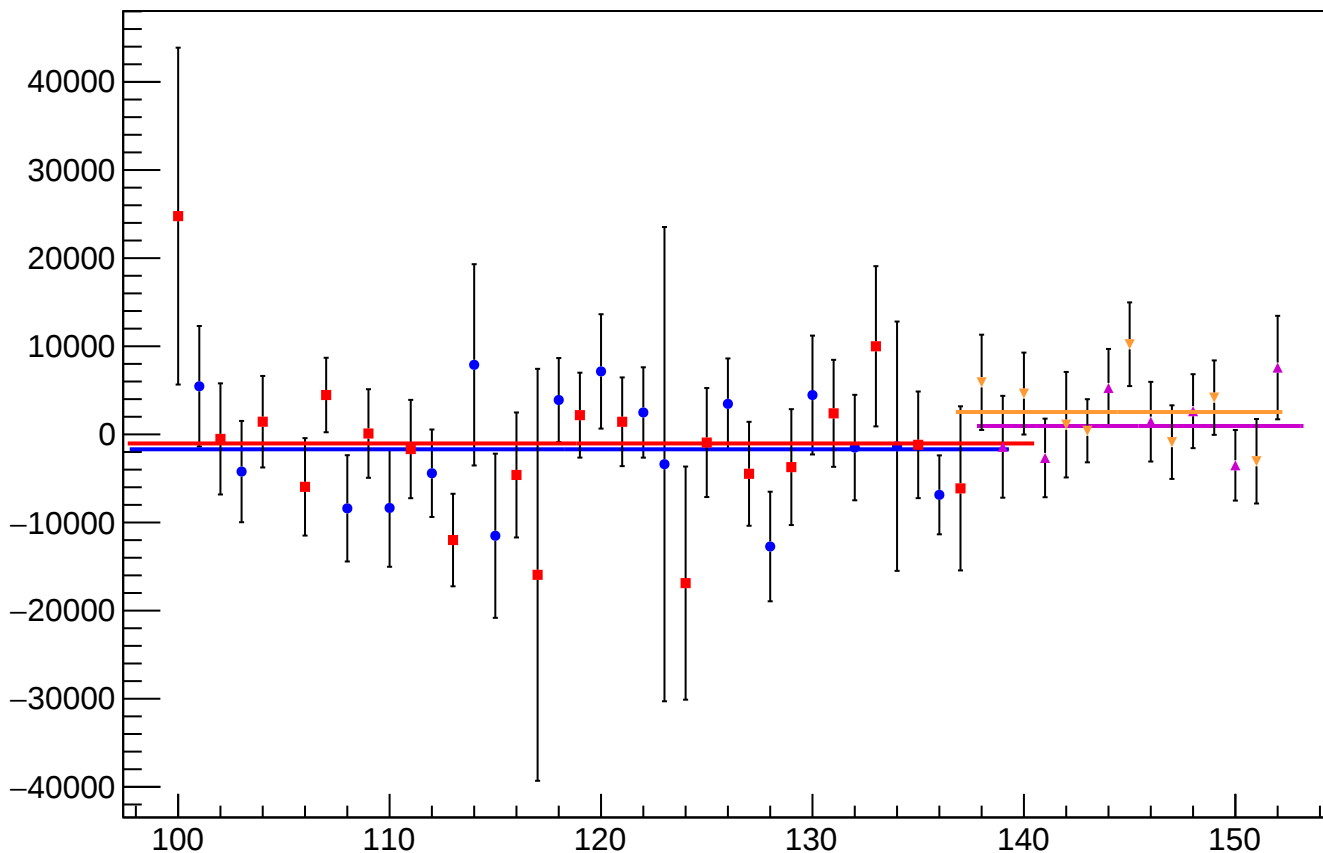
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1692.604 $\pm$ 1512.935 χ^2 /NDF: 15.8/16

Left Out: 2538.205 $\pm$ 1606.308 χ^2 /NDF: 5.8/7

Right Out: -1029.768 $\pm$ 1376.481 χ^2 /NDF: 14.3/19

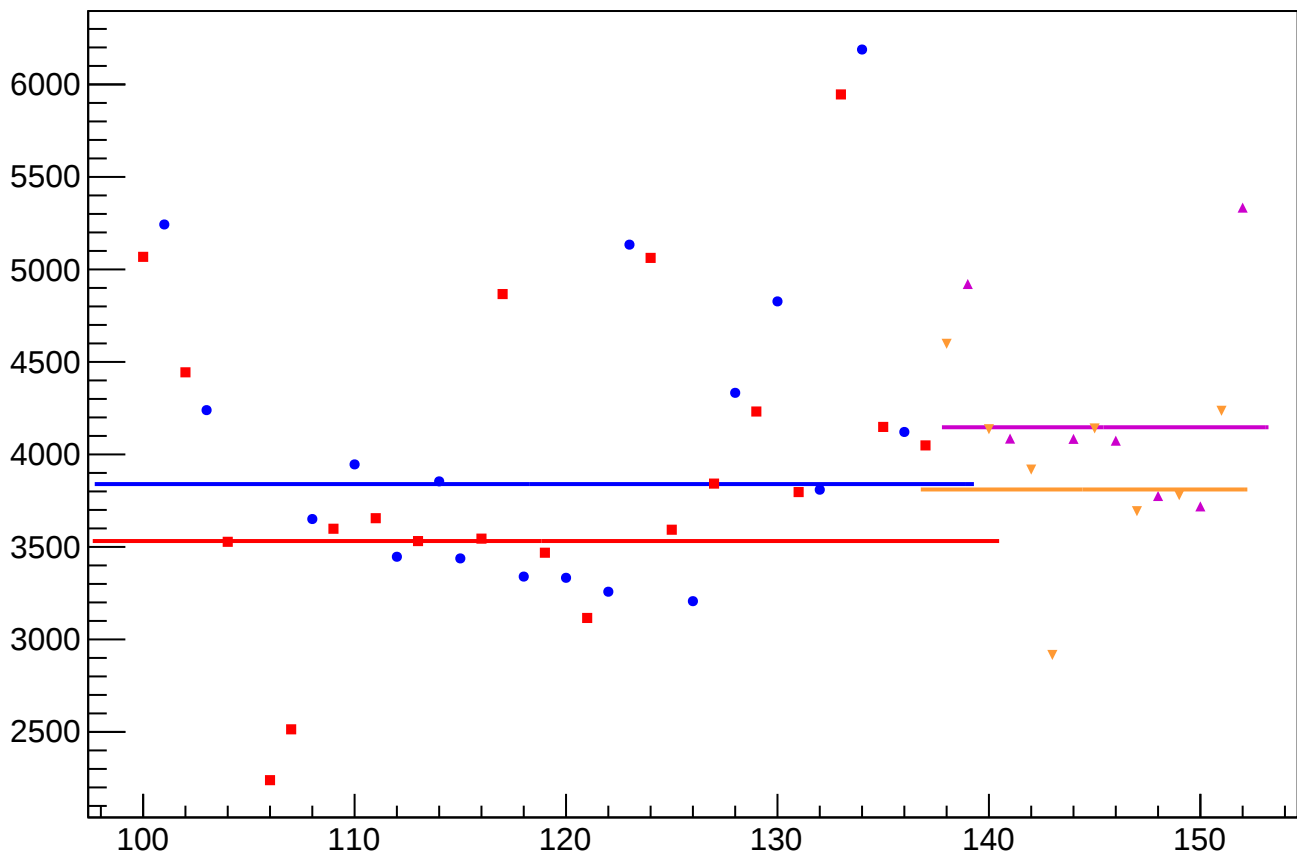
Left In: 952.773 $\pm$ 1745.372 χ^2 /NDF: 4.5/6

296.267 $\pm$ 1101.337 χ^2 /NDF: 25.3/24

8.044 $\pm$ 771.404 χ^2 /NDF: 45.1/51

-269.537 $\pm$ 1080.811 χ^2 /NDF: 19.6/26

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

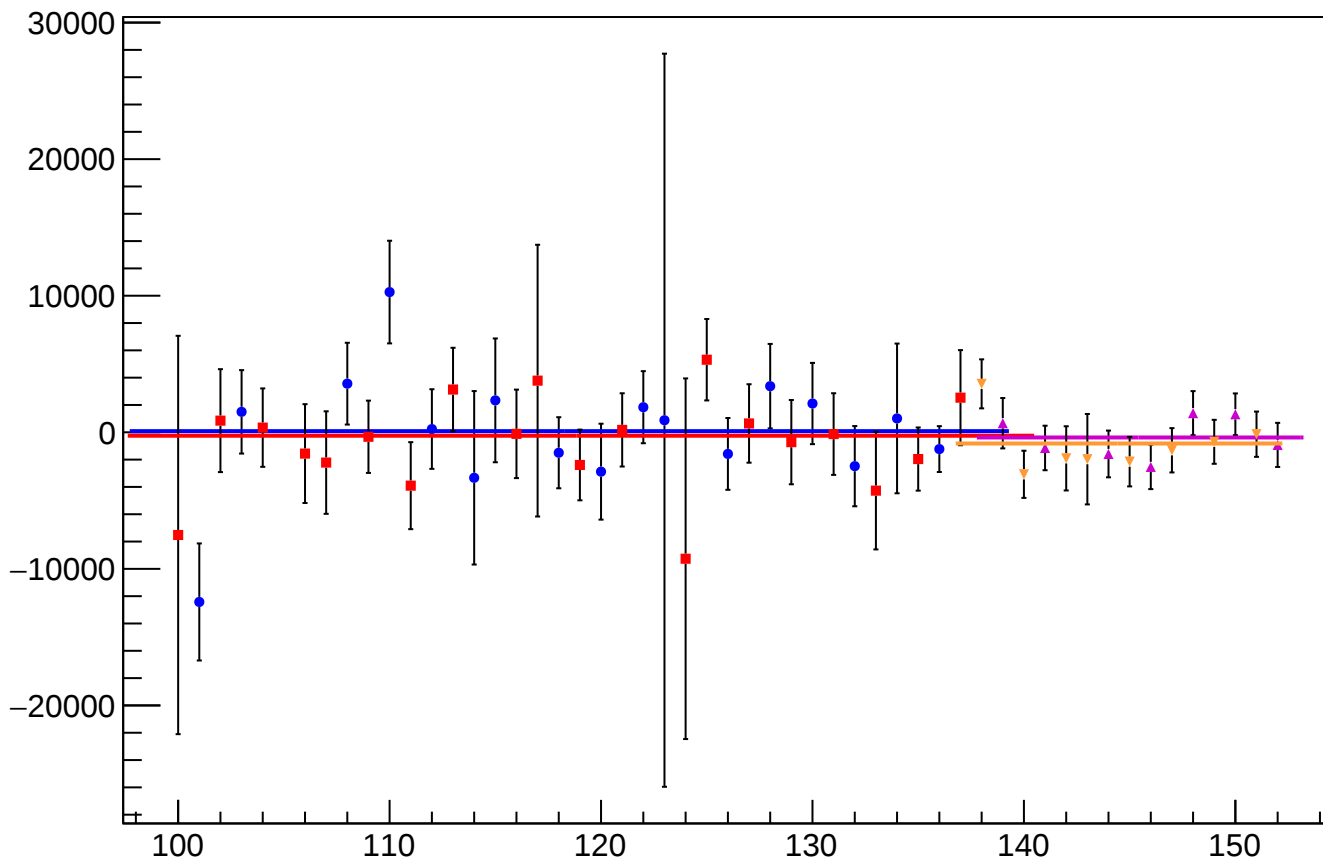
Left In: 4146.892+/-1.234 χ^2/NDF : 157459.5/6

3826.021+/-0.779 χ^2/NDF : 530997.7/24

3794.804+/-0.544 χ^2/NDF : 1407093.5/51

3765.075+/-0.760 χ^2/NDF : 872958.6/26

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

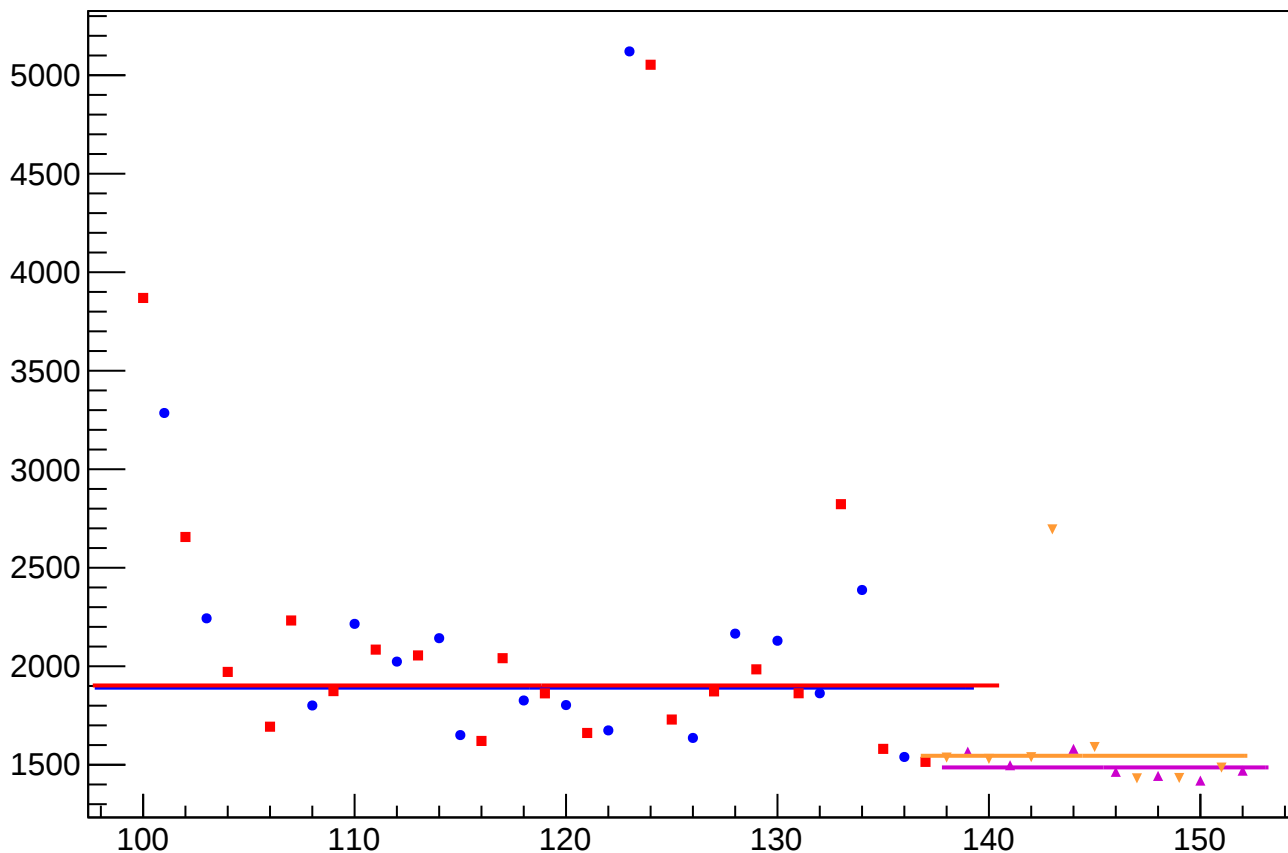
Left In: -380.271+/-621.739 χ^2/NDF : 5.4/6

-431.697+/-492.204 χ^2/NDF : 32.5/24

-376.847+/-341.388 χ^2/NDF : 48.2/51

-325.998+/-473.908 χ^2/NDF : 15.7/26

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

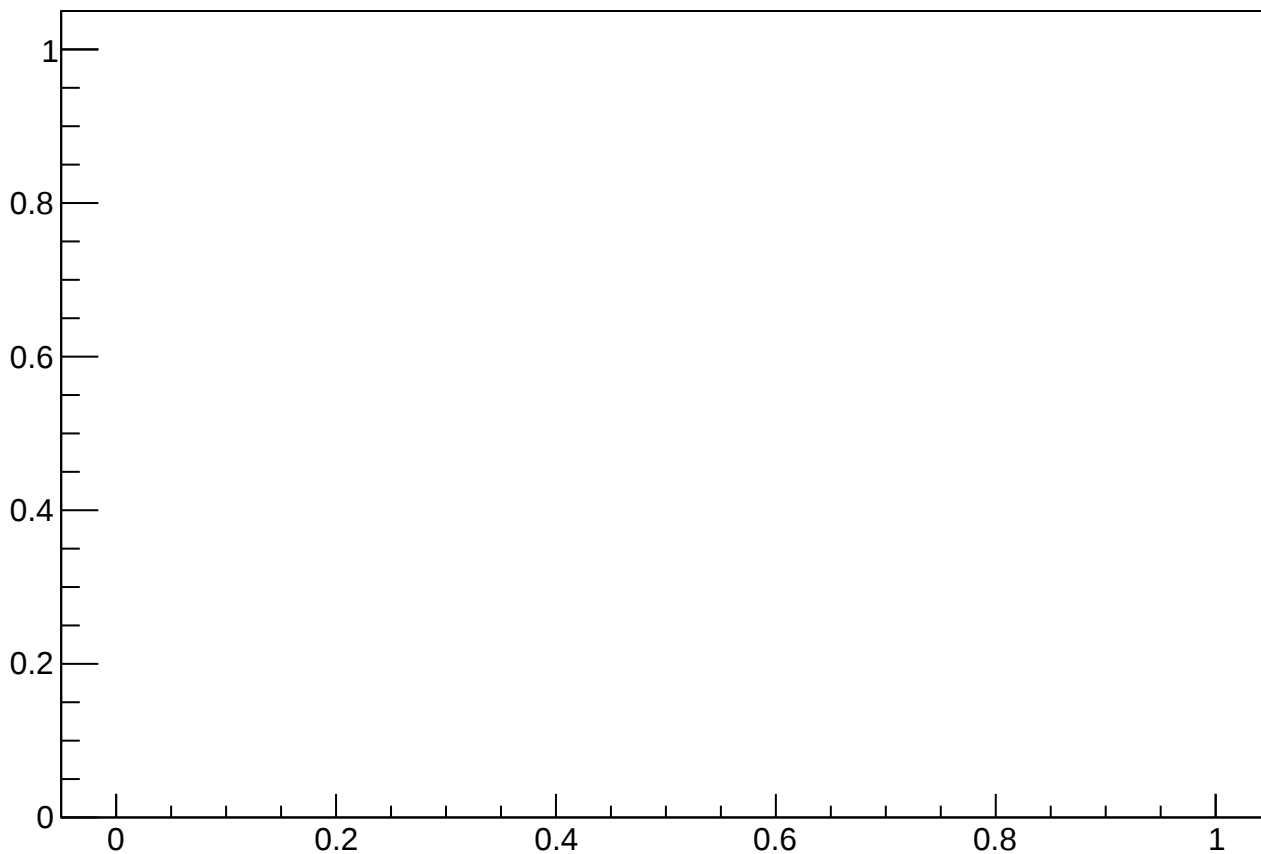
Left In: 1486.600+/-0.440 χ^2/NDF : 15775.1/6

1694.391+/-0.348 χ^2/NDF : 971209.0/24

1677.005+/-0.241 χ^2/NDF : 1827952.1/51

1660.888+/-0.335 χ^2/NDF : 851934.6/26

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

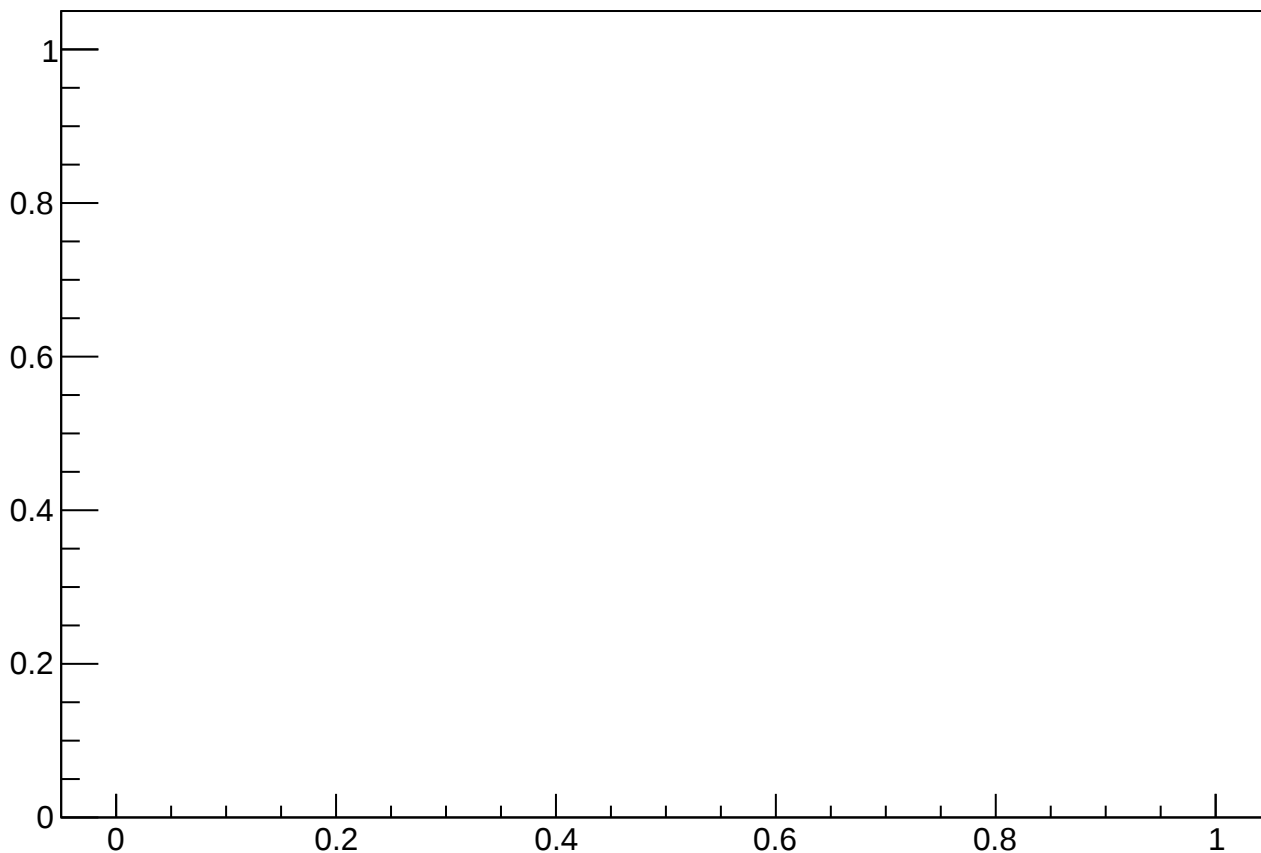
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

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

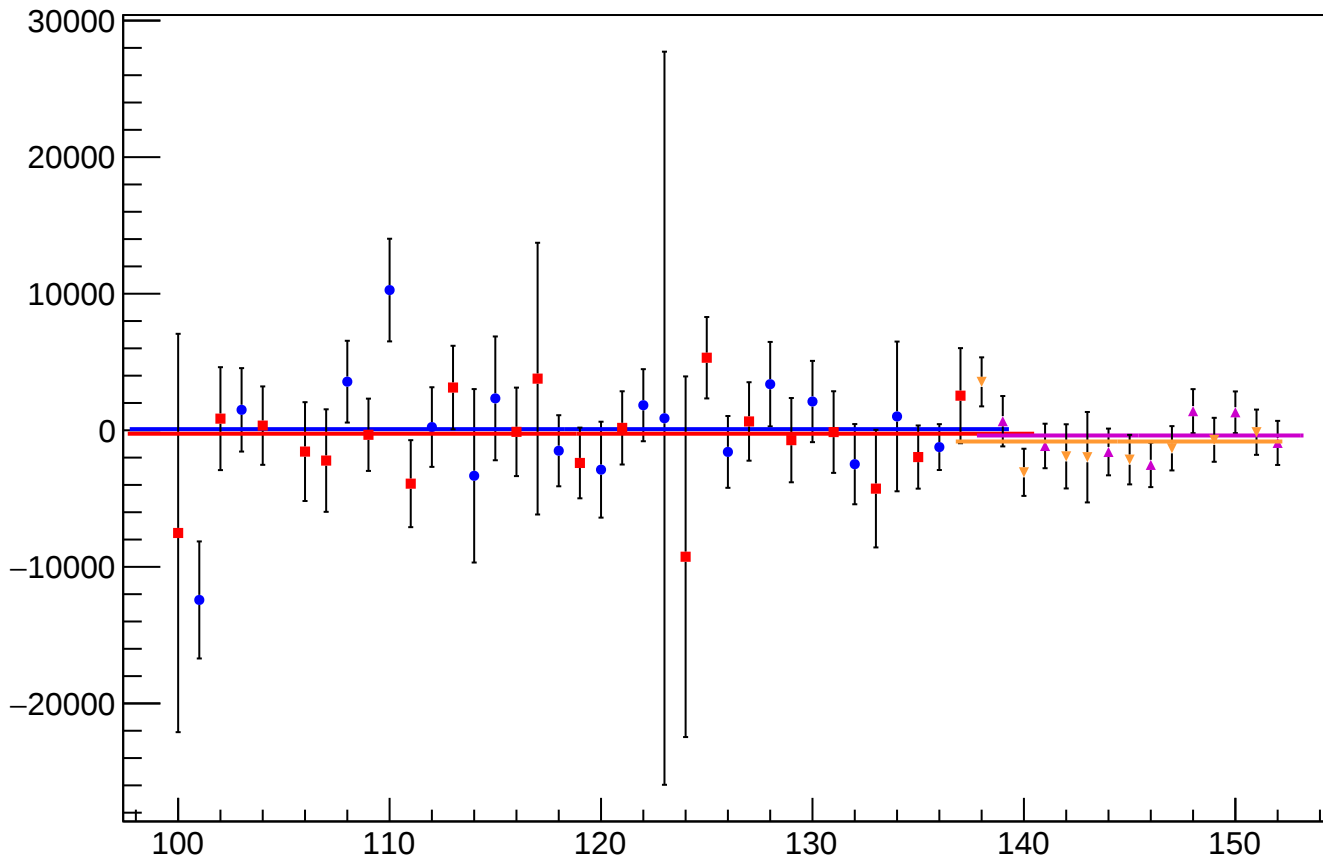
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

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

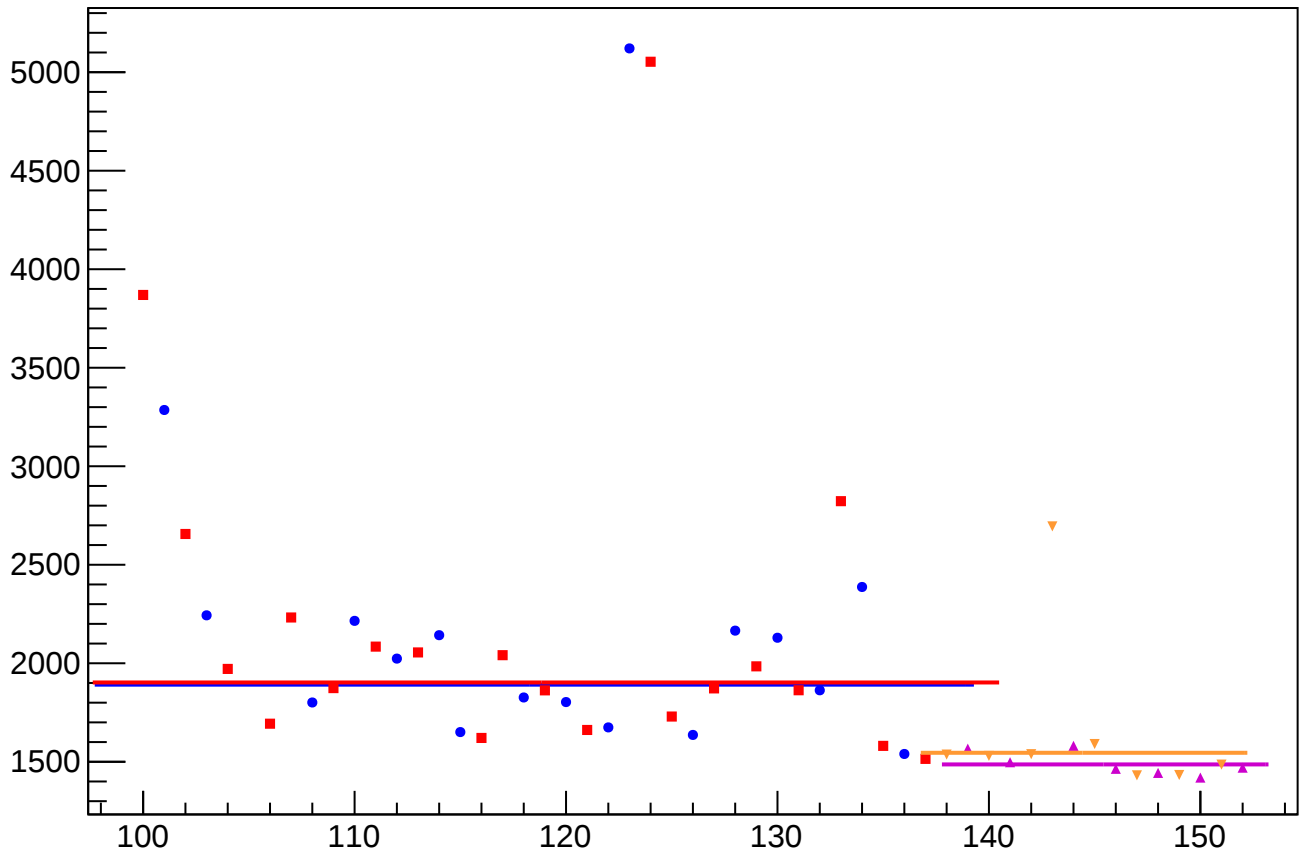
Left In: -380.271+/-621.739 χ^2/NDF : 5.4/6

-431.697+/-492.204 χ^2/NDF : 32.5/24

-376.847+/-341.388 χ^2/NDF : 48.2/51

-325.998+/-473.908 χ^2/NDF : 15.7/26

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

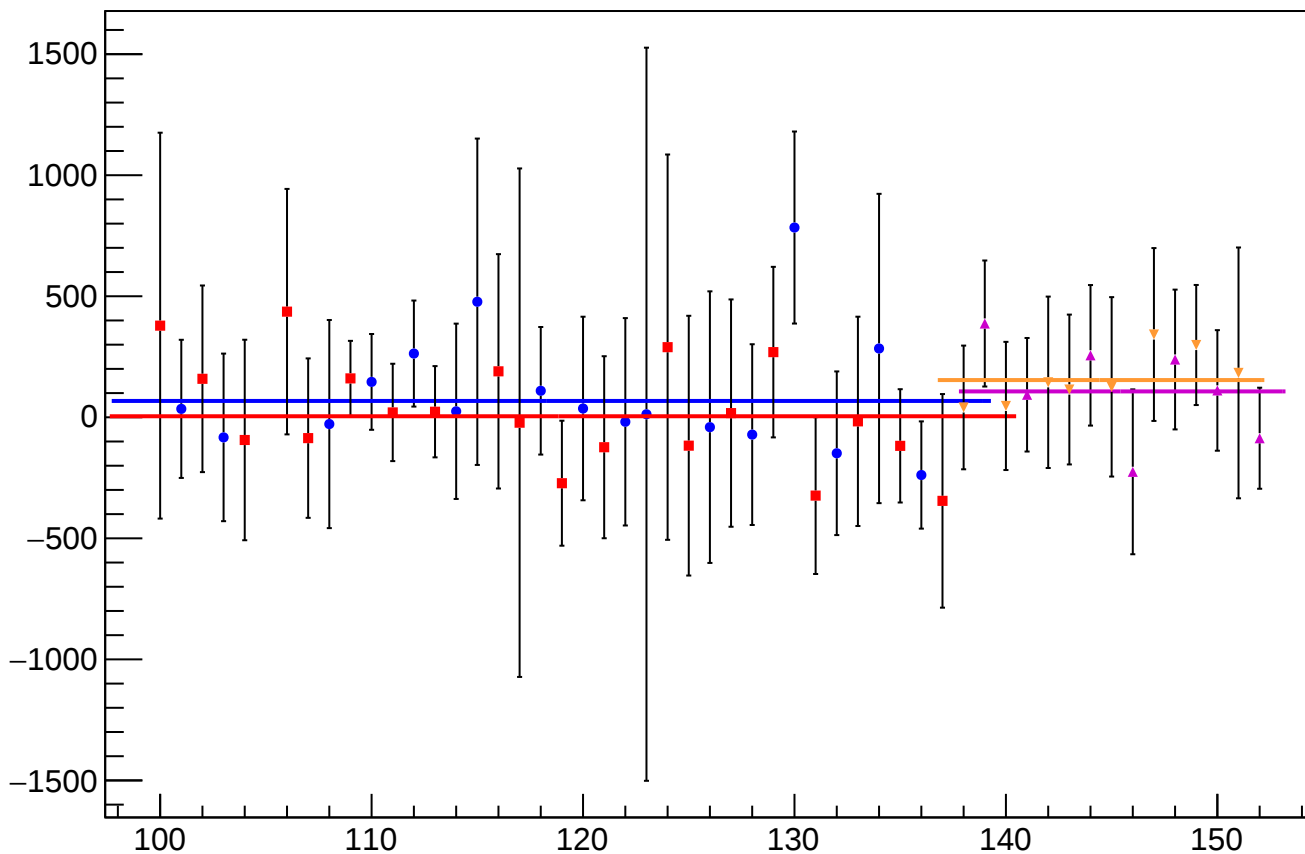
Left In: 1486.600 +/- 0.440 χ^2/NDF : 15775.1/6

1694.391 +/- 0.348 χ^2/NDF : 971209.0/24

1677.005 +/- 0.241 χ^2/NDF : 1827952.1/51

1660.888 +/- 0.335 χ^2/NDF : 851934.6/26

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.542 $\pm$ 79.608 χ^2 /NDF: 7.5/16

Left Out: 153.762 $\pm$ 109.686 χ^2 /NDF:1.0/7

Right Out: 4.305 $\pm$ 69.854 χ^2 /NDF: 6.4/19

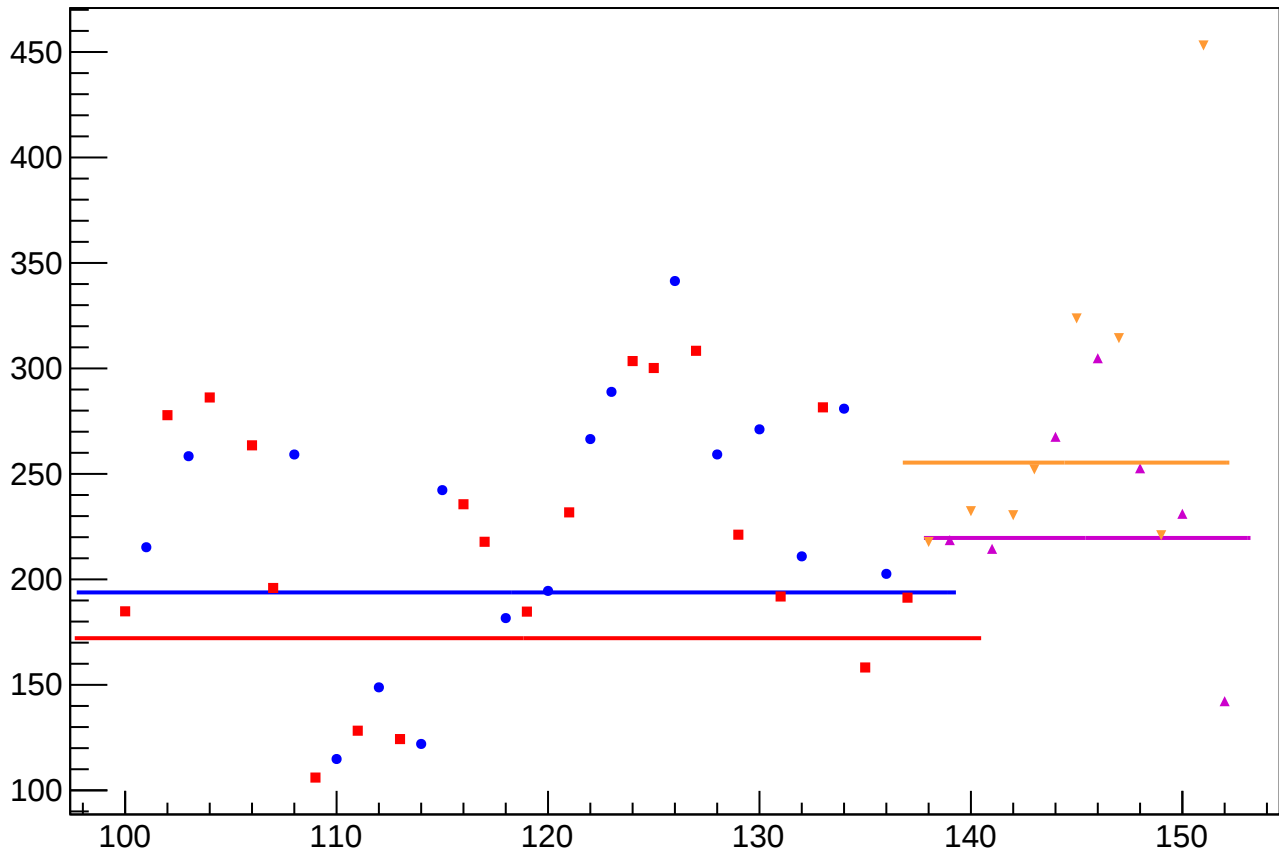
Left In: 106.917 $\pm$ 97.818 χ^2 /NDF:3.4/6

97.289 $\pm$ 64.428 χ^2 /NDF: 8.9/24

64.493 $\pm$ 42.626 χ^2 /NDF: 19.9/51

38.961 $\pm$ 56.847 χ^2 /NDF: 10.5/26

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.815 $\pm$ 0.056 χ^2 /NDF: 1010325.5/16

Left Out: 255.361 $\pm$ 0.078 χ^2 /NDF: 521303.1/7

Right Out: 172.123 $\pm$ 0.049 χ^2 /NDF: 1580879.9/19

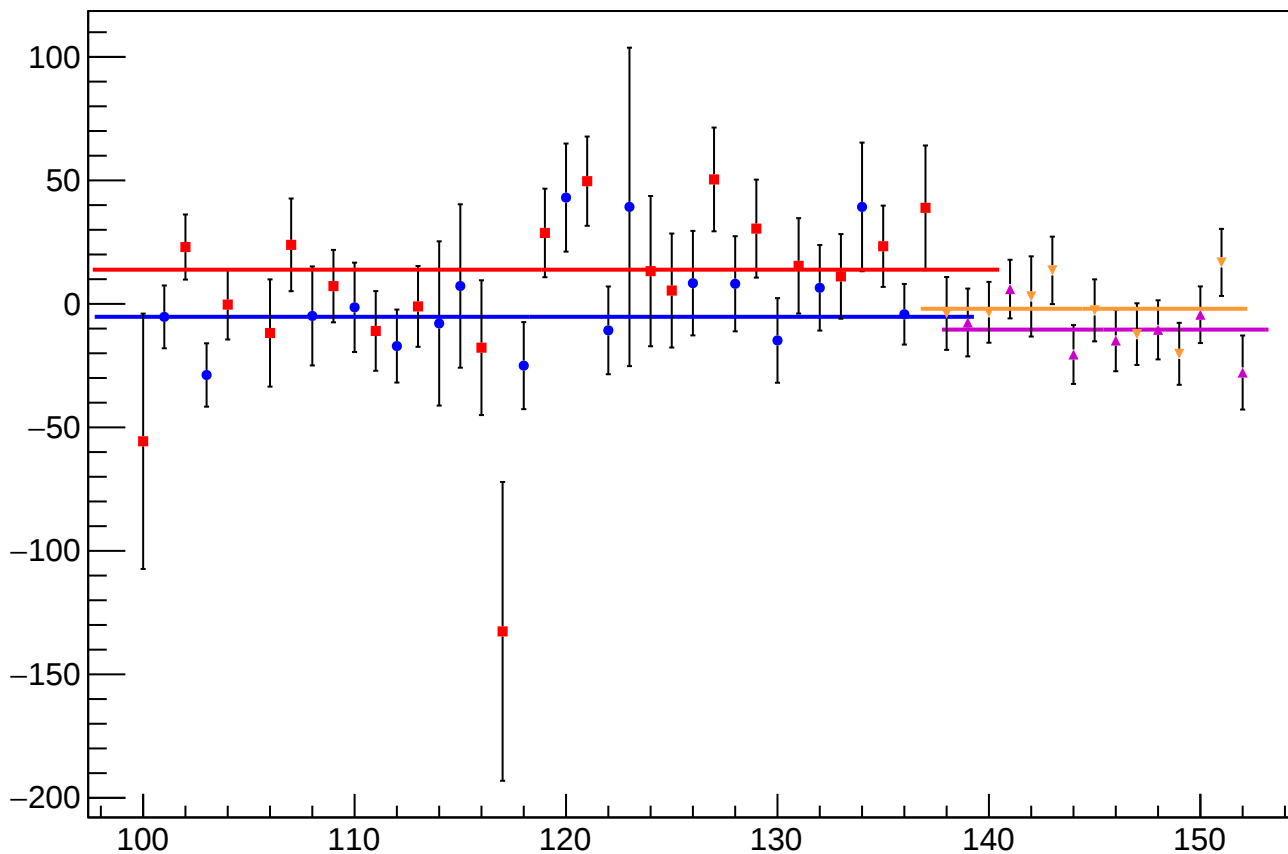
Left In: 219.639 $\pm$ 0.069 χ^2 /NDF: 486068.0/6

215.049 $\pm$ 0.046 χ^2 /NDF: 1944057.2/24

199.937 $\pm$ 0.030 χ^2 /NDF: 4519264.8/51

188.171 $\pm$ 0.040 χ^2 /NDF: 2379490.4/26

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.231 $\pm$ 4.356 χ^2/NDF : 15.5/16

Left Out: -1.975 $\pm$ 4.720 χ^2/NDF : 6.1/7

Right Out: 13.851 $\pm$ 4.255 χ^2/NDF : 25.4/19

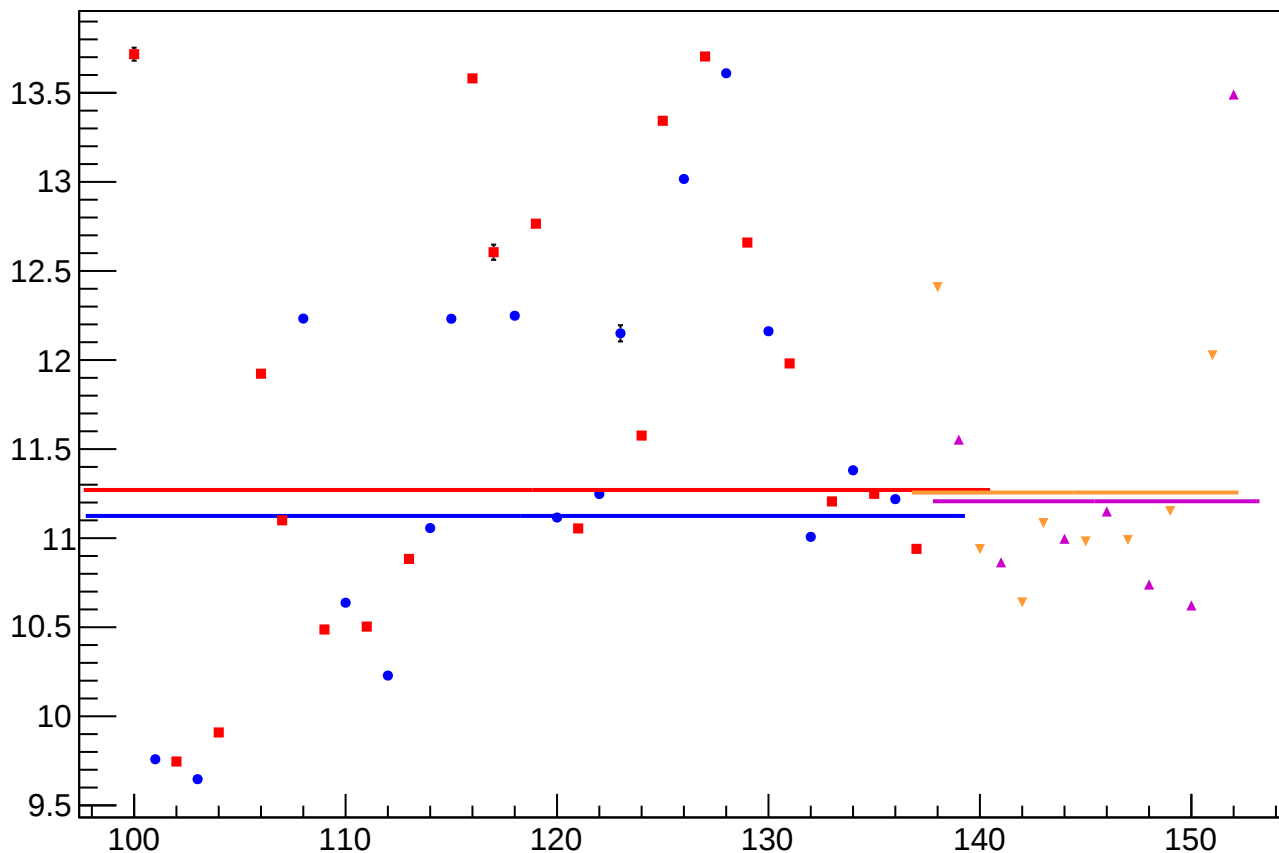
Left In: -10.410 $\pm$ 4.717 χ^2/NDF : 4.4/6

-3.733 $\pm$ 3.201 χ^2/NDF : 21.9/24

-0.339 $\pm$ 2.249 χ^2/NDF : 68.5/51

2.968 $\pm$ 3.159 χ^2/NDF : 44.4/26

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

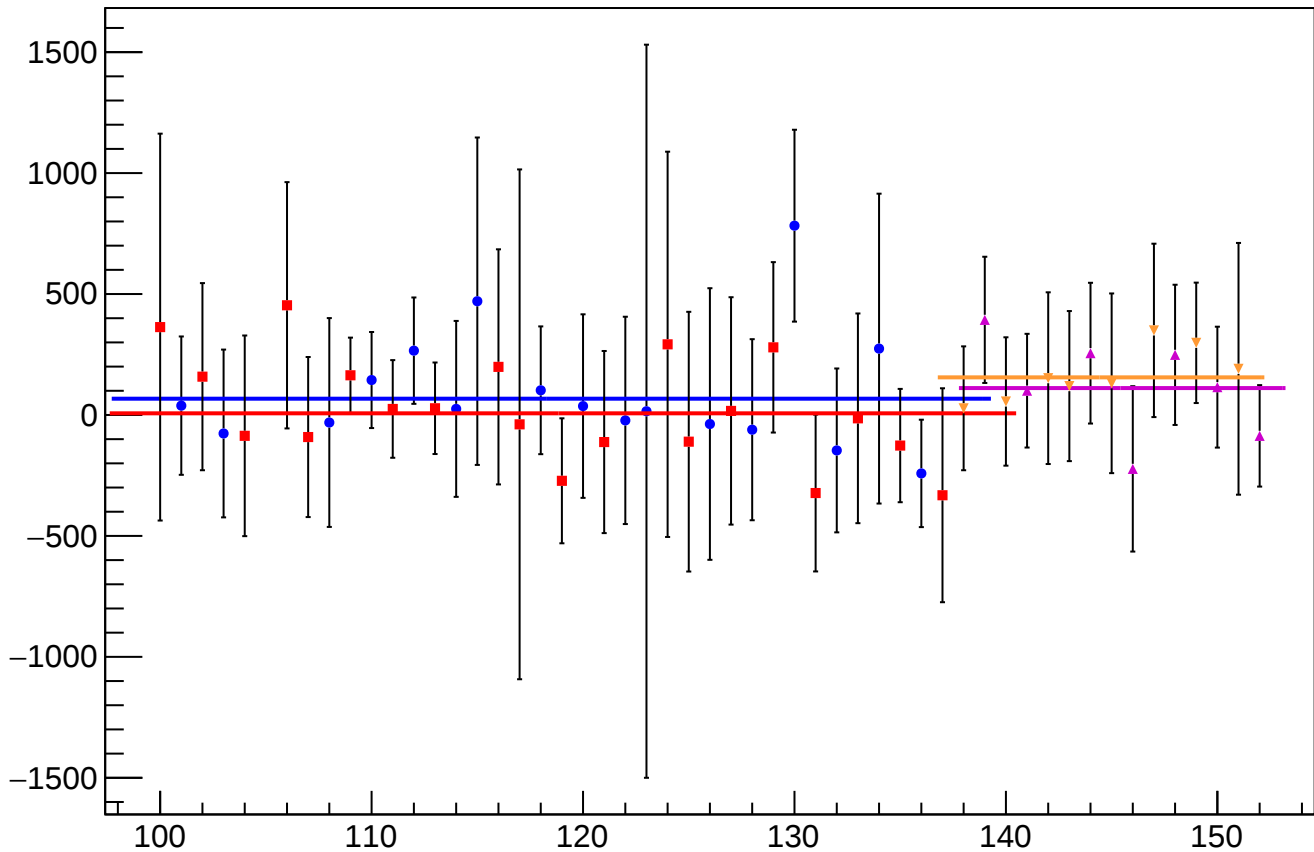
Left In: 11.207 $\pm$ 0.003 χ^2 /NDF: 58245.1/6

11.185 $\pm$ 0.002 χ^2 /NDF: 158555.4/24

11.214 $\pm$ 0.002 χ^2 /NDF: 366030.3/51

11.242 $\pm$ 0.002 χ^2 /NDF: 207156.3/26

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.305 $\pm$ 79.817 χ^2 /NDF: 7.5/16

Left Out: 155.501 $\pm$ 109.998 χ^2 /NDF:1.0/7

Right Out: 6.837 $\pm$ 70.057 χ^2 /NDF: 6.4/19

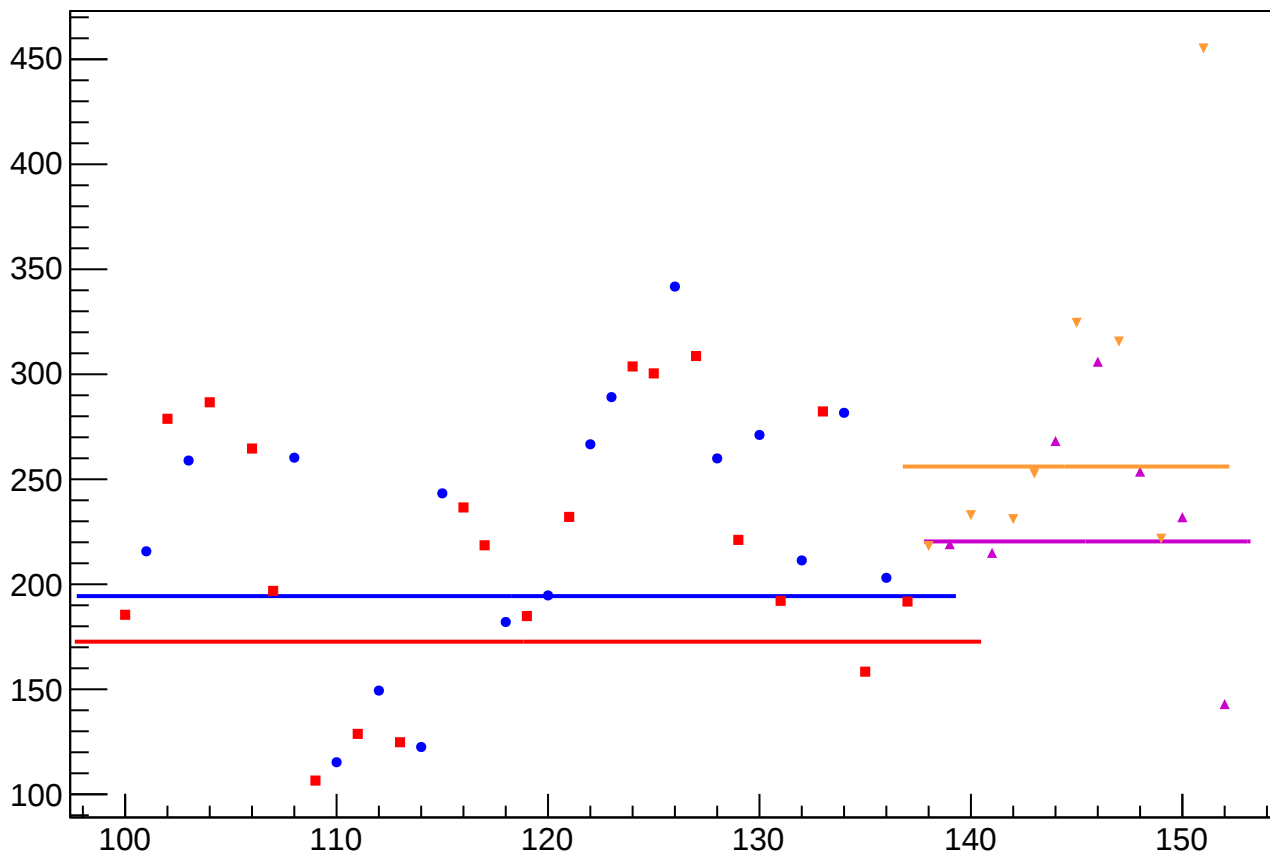
Left In: 111.211 $\pm$ 98.148 χ^2 /NDF:3.5/6

97.725 $\pm$ 64.602 χ^2 /NDF: 8.9/24

66.440 $\pm$ 42.750 χ^2 /NDF: 20.0/51

42.066 $\pm$ 57.021 χ^2 /NDF: 10.7/26

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.365 $\pm$ 0.056 χ^2 /NDF: 1005234.4/16

Left Out: 256.065 $\pm$ 0.078 χ^2 /NDF: 523023.2/7

Right Out: 172.675 $\pm$ 0.050 χ^2 /NDF: 1573459.1/19

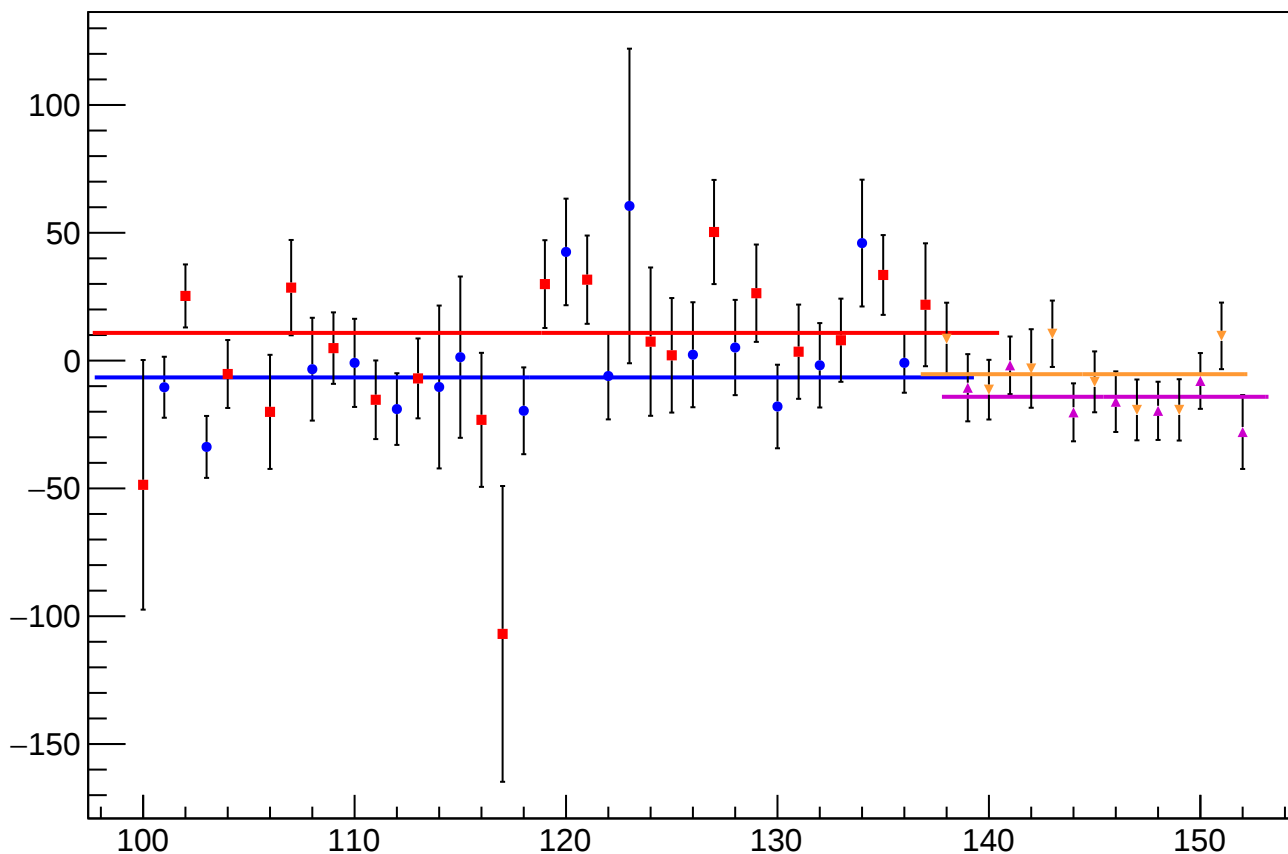
Left In: 220.405 $\pm$ 0.069 χ^2 /NDF: 483752.0/6

215.647 $\pm$ 0.046 χ^2 /NDF: 1940465.1/24

200.548 $\pm$ 0.030 χ^2 /NDF: 4505373.0/51

188.785 $\pm$ 0.040 χ^2 /NDF: 2370550.6/26

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.575 ± 4.157 $\chi^2/\text{NDF}: 19.3/16$

Left Out: -5.318 ± 4.495 $\chi^2/\text{NDF}: 6.9/7$

Right Out: 10.838 ± 4.070 $\chi^2/\text{NDF}: 27.1/19$

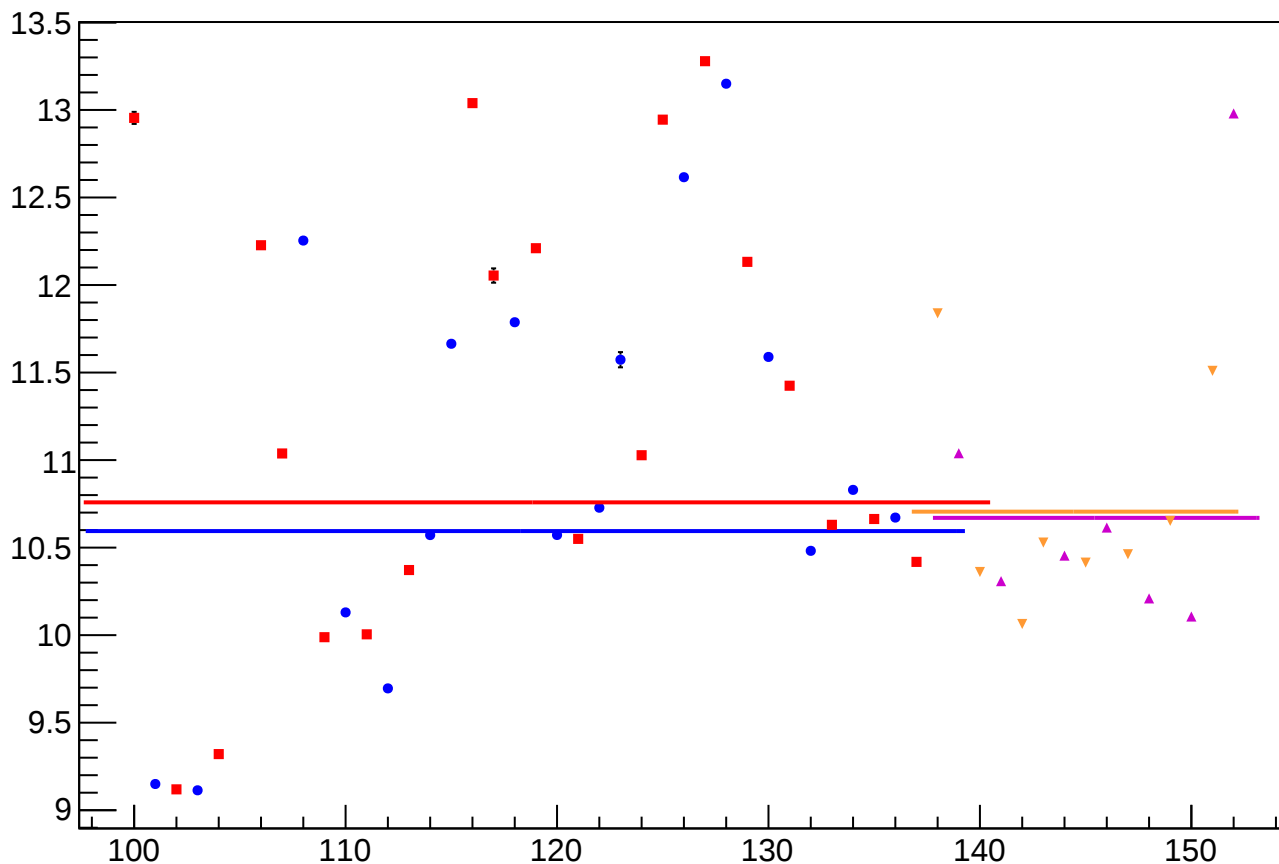
Left In: -14.155 ± 4.497 $\chi^2/\text{NDF}: 3.0/6$

-5.996 ± 3.052 $\chi^2/\text{NDF}: 26.2/24$

-3.173 ± 2.146 $\chi^2/\text{NDF}: 75.1/51$

-0.415 ± 3.017 $\chi^2/\text{NDF}: 47.1/26$

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.594 ± 0.003 $\chi^2/\text{NDF}: 160059.2/16$

Left Out: 10.705 ± 0.003 $\chi^2/\text{NDF}: 28189.2/7$

Right Out: 10.758 ± 0.003 $\chi^2/\text{NDF}: 178180.9/19$

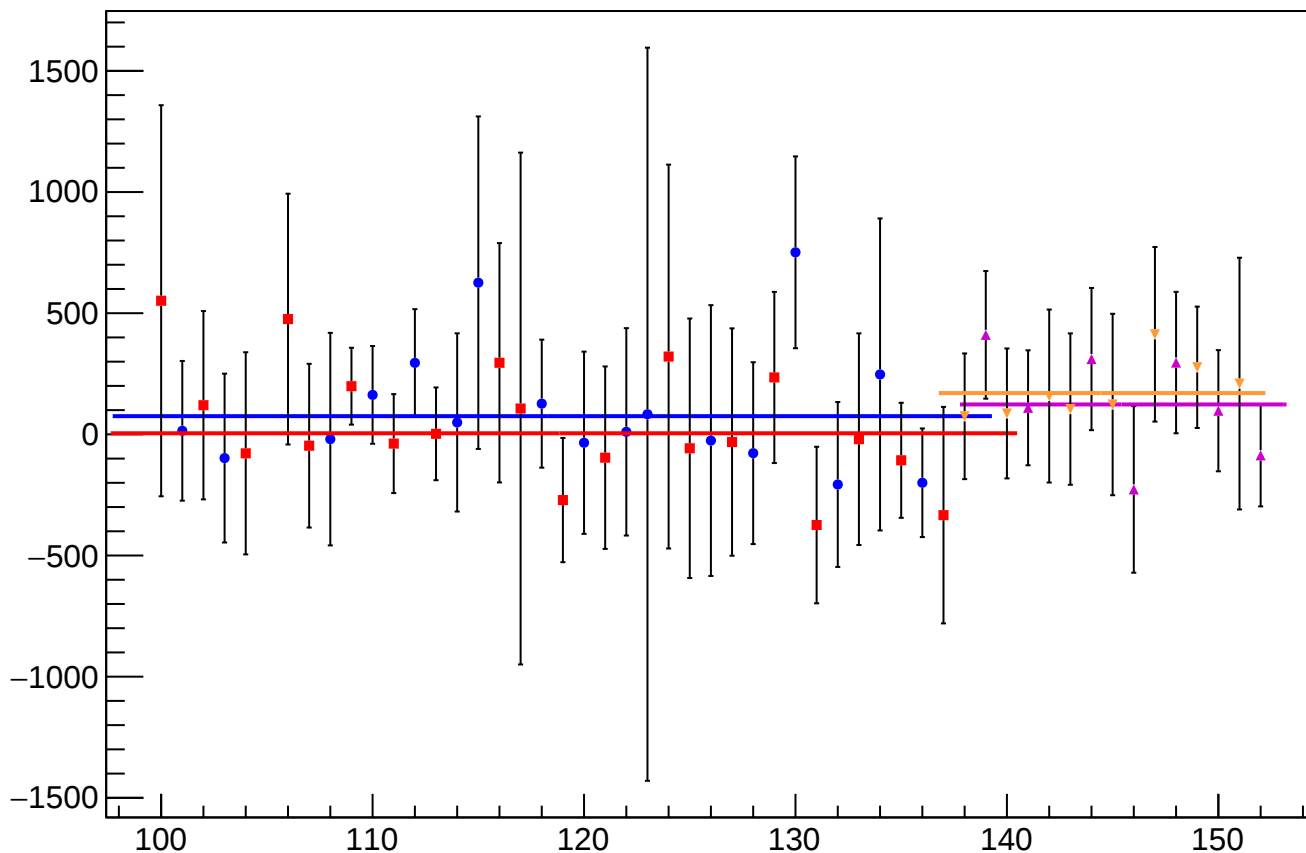
Left In: 10.670 ± 0.003 $\chi^2/\text{NDF}: 64080.9/6$

10.646 ± 0.002 $\chi^2/\text{NDF}: 188905.2/24$

10.683 ± 0.002 $\chi^2/\text{NDF}: 432171.6/51$

10.719 ± 0.002 $\chi^2/\text{NDF}: 242688.3/26$

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

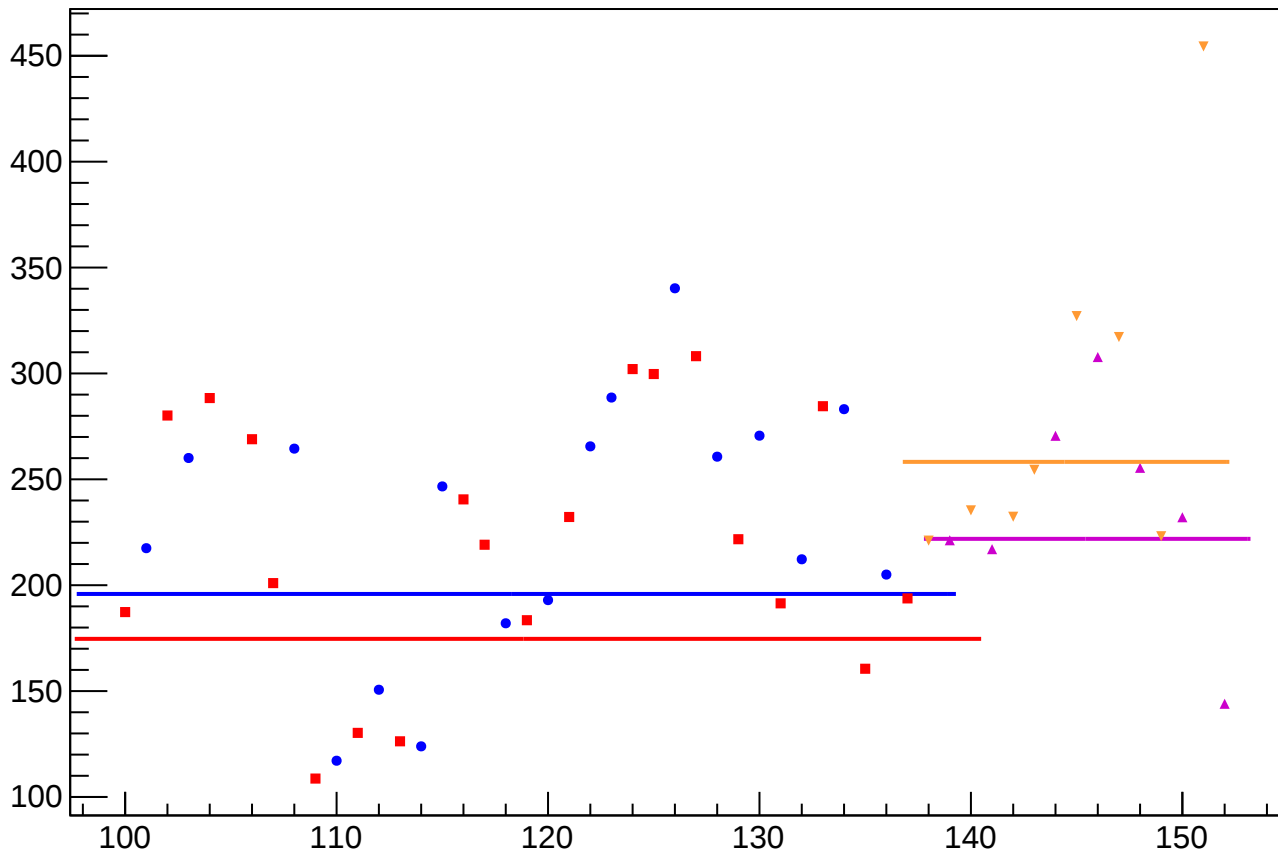
Left In: 123.372 $\pm$ 98.770 χ^2 /NDF:4.0/6

107.933 $\pm$ 65.061 χ^2 /NDF: 9.1/24

72.467 $\pm$ 43.086 χ^2 /NDF: 21.9/51

44.763 $\pm$ 57.503 χ^2 /NDF: 12.3/26

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.869 $\pm$ 0.057 χ^2 /NDF: 979247.4/16

Left Out: 258.244 $\pm$ 0.078 χ^2 /NDF: 512322.5/7

Right Out: 174.665 $\pm$ 0.050 χ^2 /NDF: 1532335.9/19

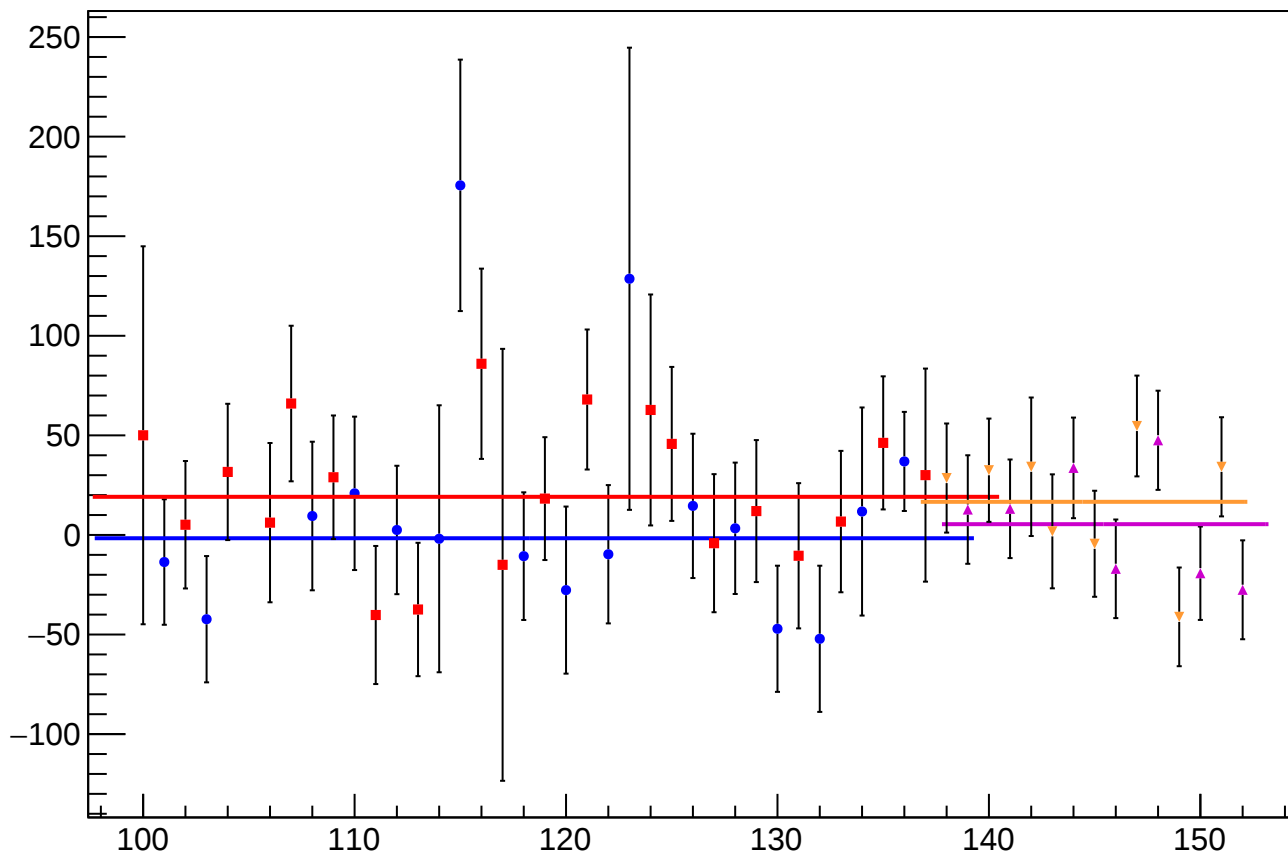
Left In: 221.891 $\pm$ 0.070 χ^2 /NDF: 483419.6/6

217.350 $\pm$ 0.046 χ^2 /NDF: 1906626.9/24

202.372 $\pm$ 0.030 χ^2 /NDF: 4413432.1/51

190.672 $\pm$ 0.041 χ^2 /NDF: 2318006.3/26

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

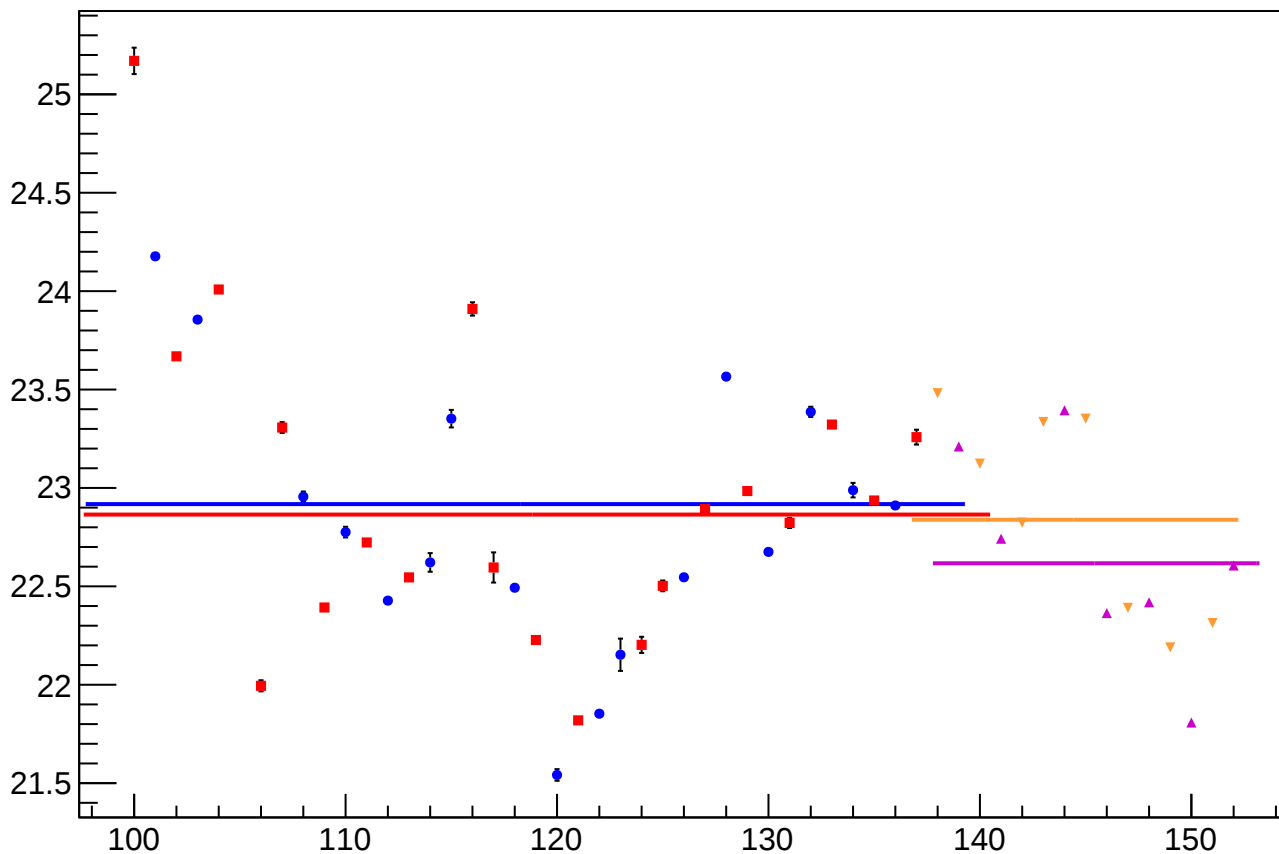
Left In: 5.408 ± 9.436 χ^2/NDF : 8.0/6

6.877 ± 6.487 χ^2/NDF : 30.4/24

9.999 ± 4.530 χ^2/NDF : 54.9/51

12.968 ± 6.327 χ^2/NDF : 24.0/26

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.918 $\pm$ 0.006 χ^2 /NDF: 11472.2/16

Left Out: 22.838 $\pm$ 0.007 χ^2 /NDF: 5577.9/7

Right Out: 22.865 $\pm$ 0.006 χ^2 /NDF: 11064.9/19

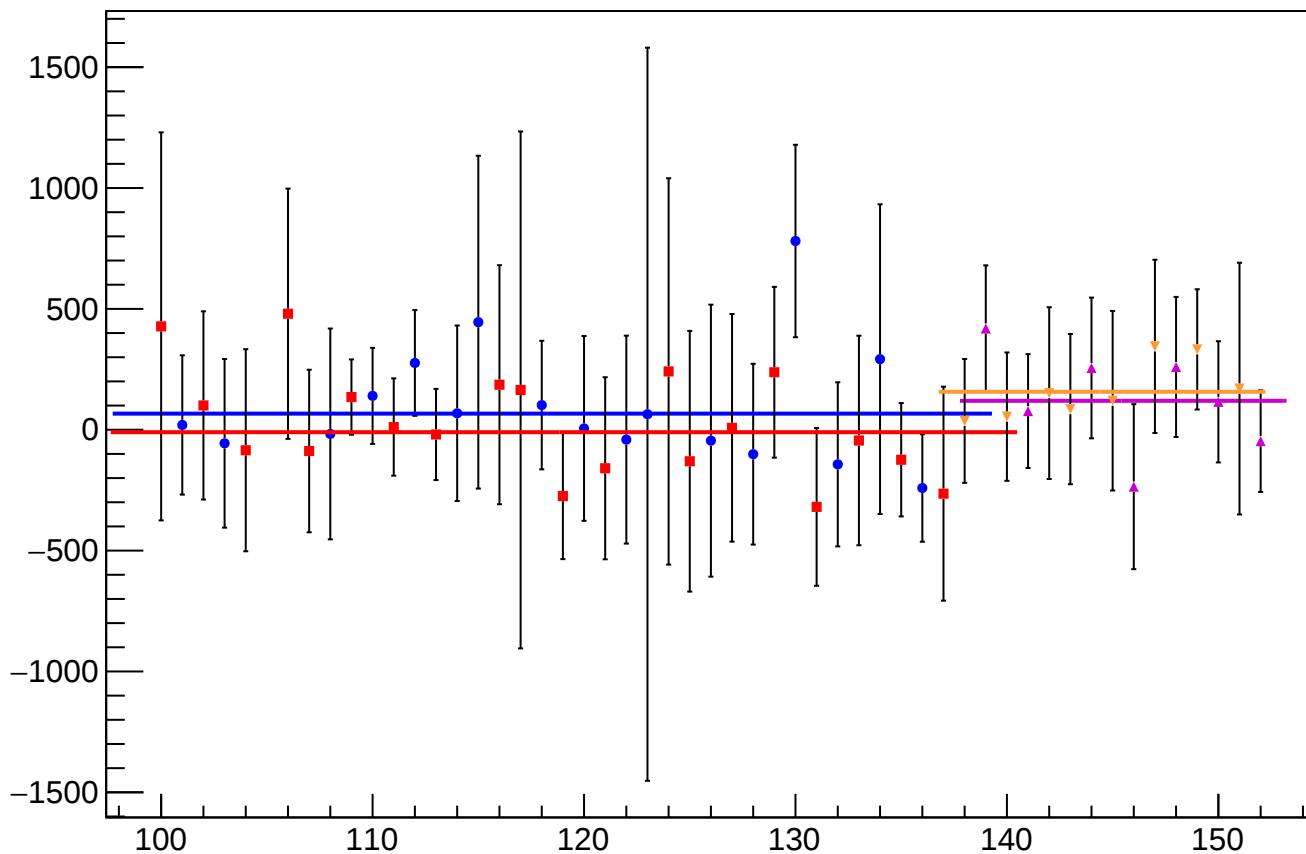
Left In: 22.617 $\pm$ 0.007 χ^2 /NDF: 5611.5/6

22.881 $\pm$ 0.005 χ^2 /NDF: 17125.0/24

22.816 $\pm$ 0.003 χ^2 /NDF: 34953.3/51

22.753 $\pm$ 0.004 χ^2 /NDF: 17433.6/26

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

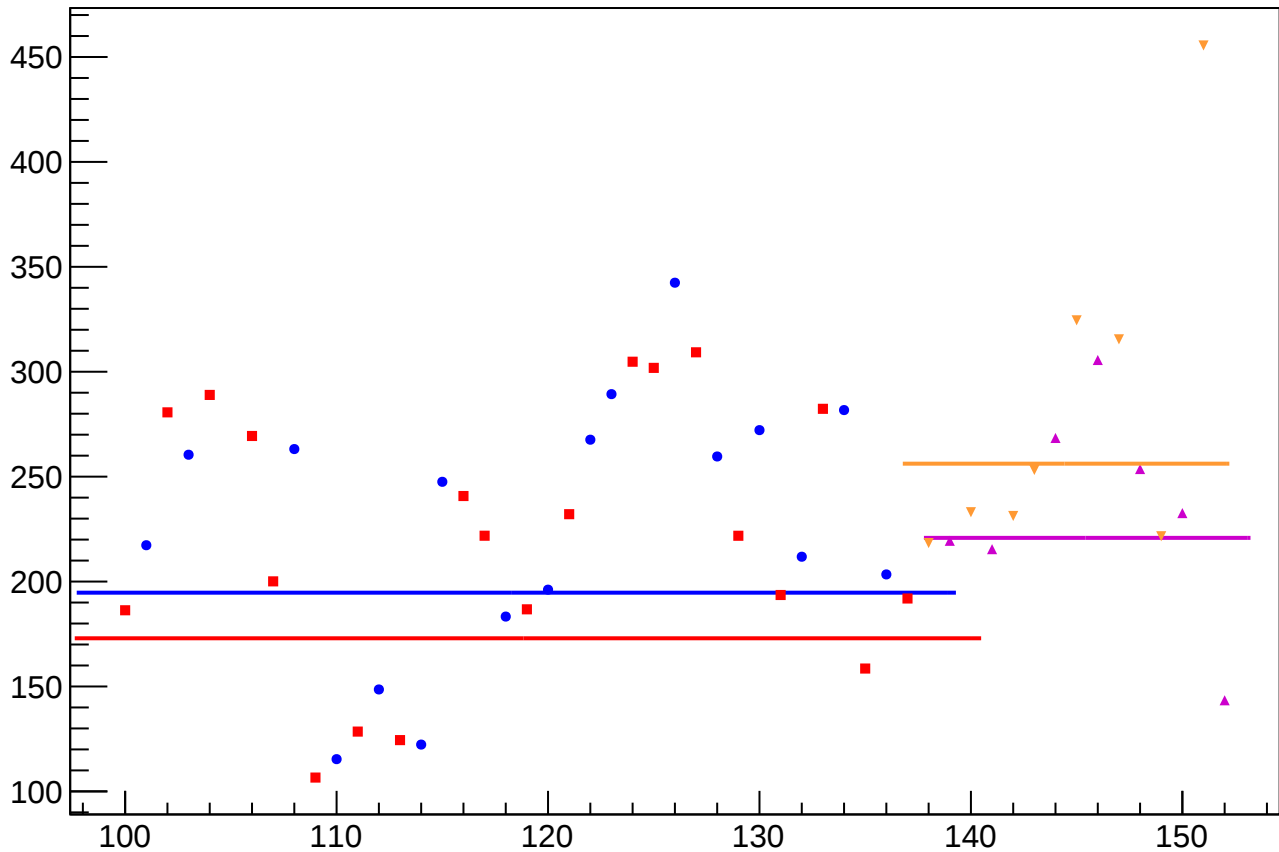
Left In: 119.702+/-98.303 χ^2/NDF : 3.5/6

97.935+/-64.706 χ^2/NDF : 9.2/24

61.881+/-42.833 χ^2/NDF : 20.1/51

33.758+/-57.147 χ^2/NDF : 10.4/26

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

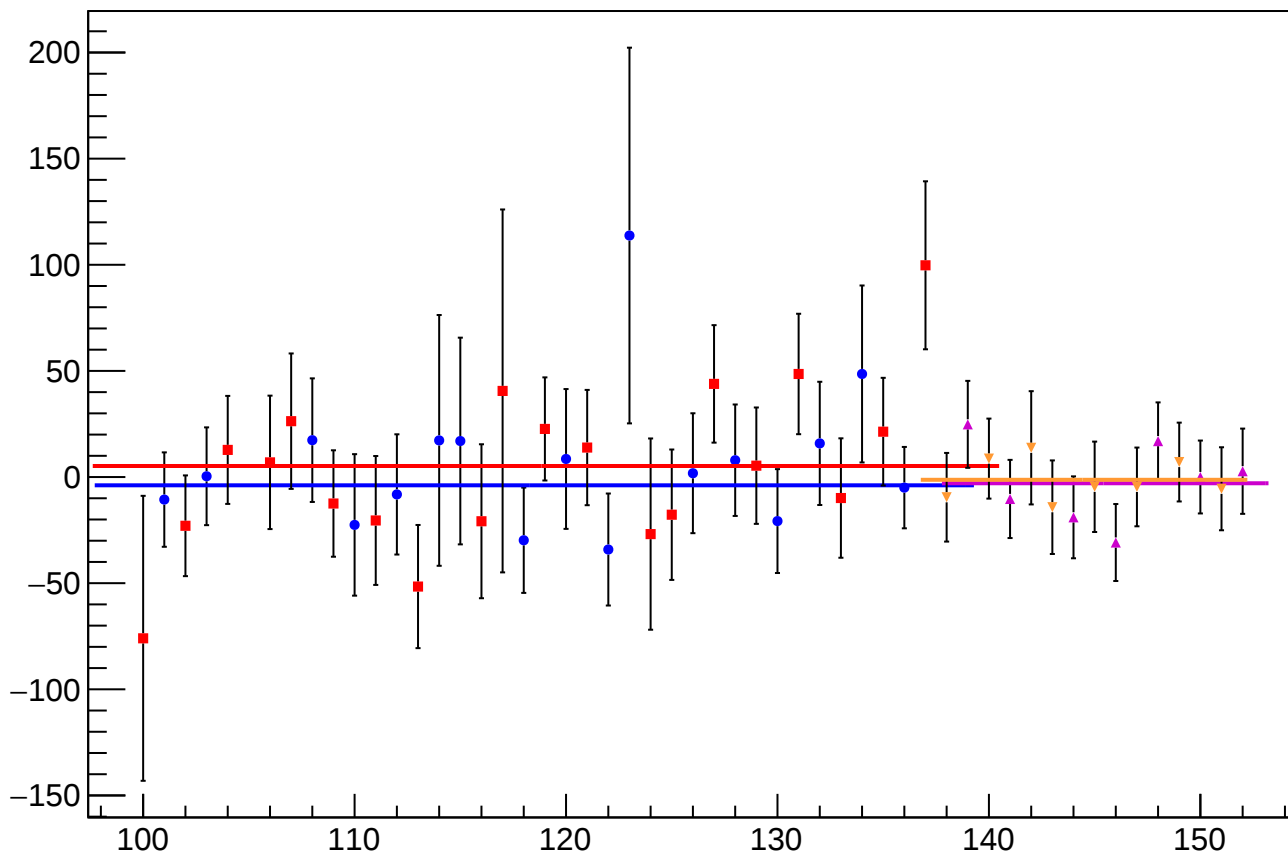
Left In: 220.824 $\pm$ 0.070 χ^2 /NDF: 478889.6/6

215.958 $\pm$ 0.046 χ^2 /NDF: 1951125.4/24

200.891 $\pm$ 0.030 χ^2 /NDF: 4538023.8/51

189.139 $\pm$ 0.040 χ^2 /NDF: 2393877.5/26

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.894 ± 6.915 χ^2/NDF : 8.4/16

Left Out: -1.298 ± 7.216 χ^2/NDF : 1.4/7

Right Out: 5.204 ± 6.706 χ^2/NDF : 21.5/19

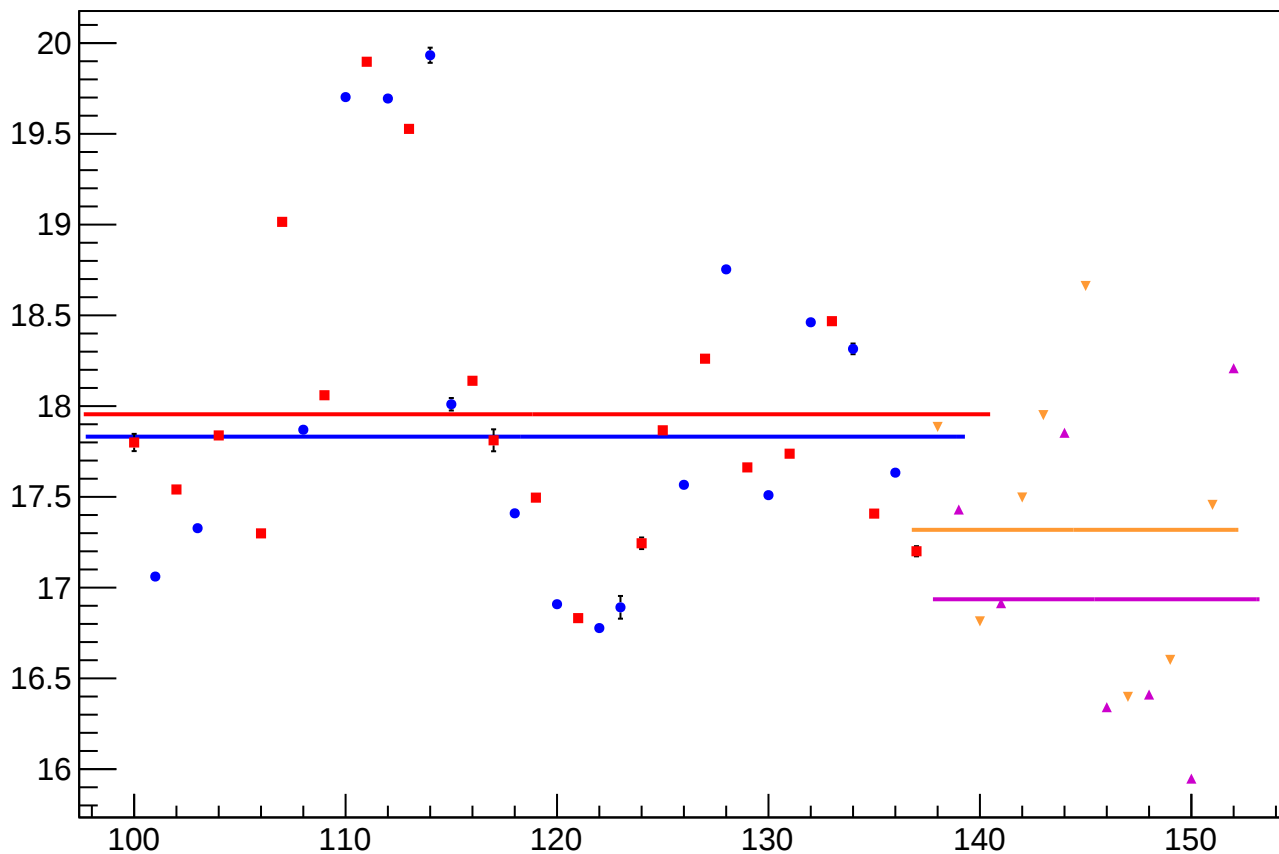
Left In: -2.929 ± 7.082 χ^2/NDF : 6.4/6

-2.652 ± 4.993 χ^2/NDF : 9.9/24

-0.596 ± 3.486 χ^2/NDF : 38.7/51

1.359 ± 4.869 χ^2/NDF : 28.6/26

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

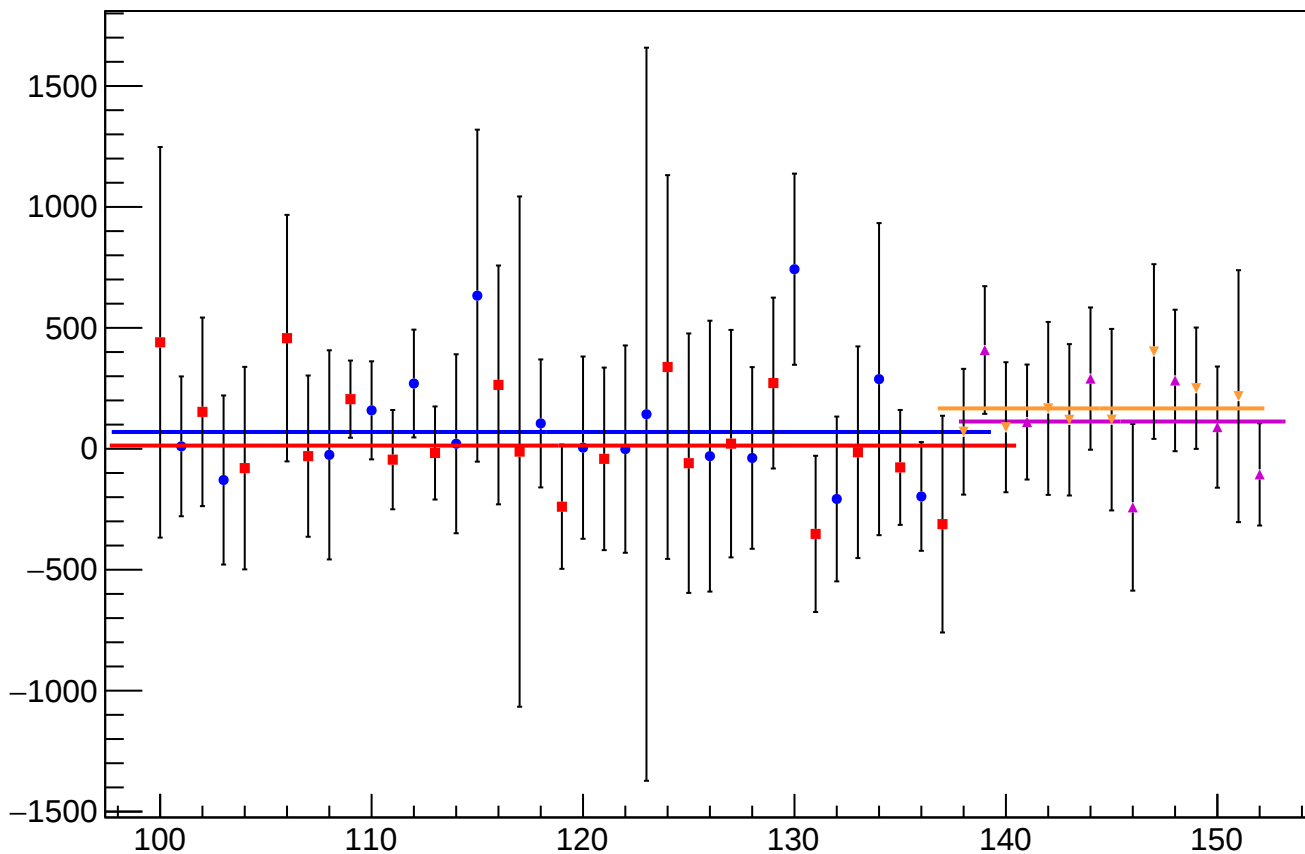
Left In: 16.936 $\pm$ 0.005 χ^2 /NDF: 24154.0/6

17.586 $\pm$ 0.004 χ^2 /NDF: 56742.5/24

17.528 $\pm$ 0.002 χ^2 /NDF: 128718.0/51

17.473 $\pm$ 0.003 χ^2 /NDF: 71452.1/26

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 69.511 $\pm$ 80.550 χ^2 /NDF: 7.4/16

Left Out: 167.025 $\pm$ 111.102 χ^2 /NDF:0.8/7

Right Out: 13.298 $\pm$ 70.881 χ^2 /NDF: 6.7/19

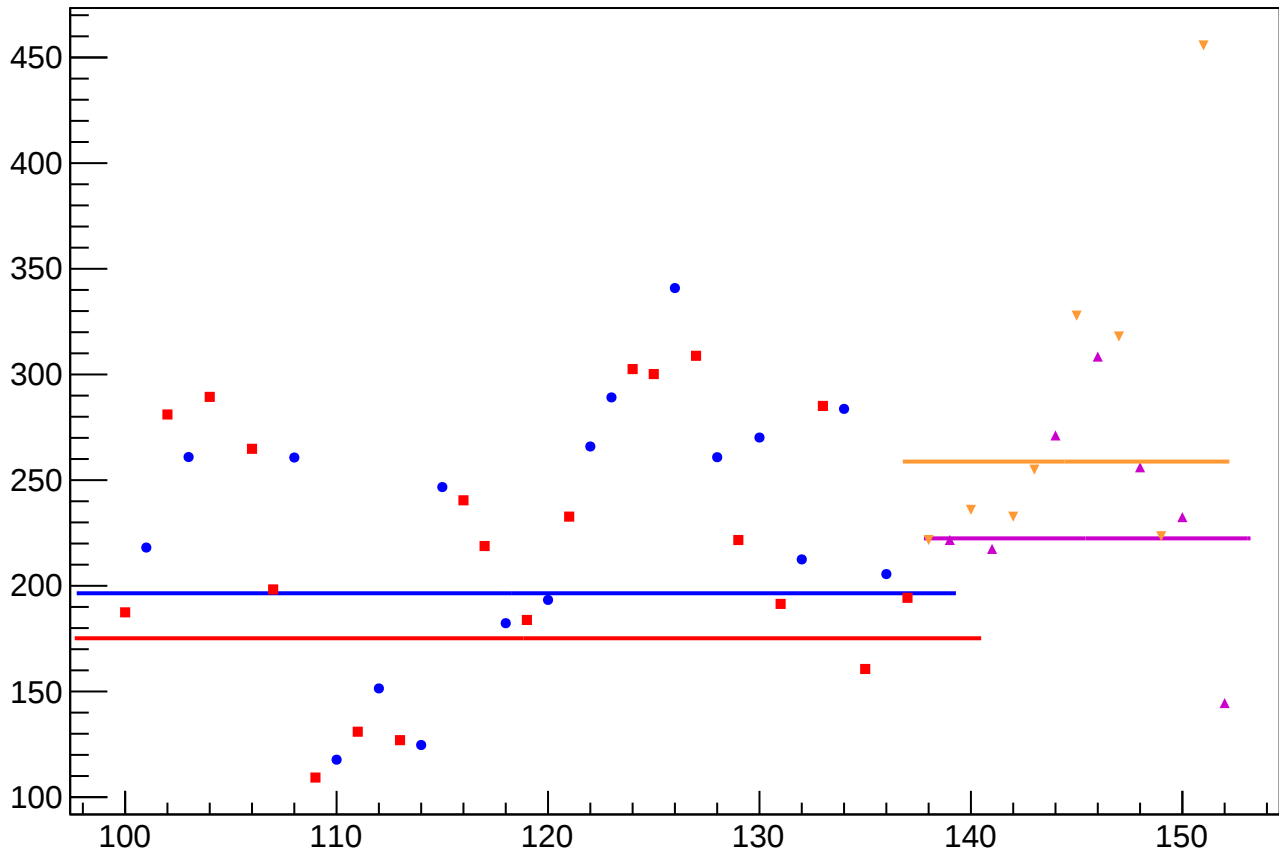
Left In: 112.787 $\pm$ 99.008 χ^2 /NDF:4.1/6

103.108 $\pm$ 65.214 χ^2 /NDF: 8.7/24

71.610 $\pm$ 43.186 χ^2 /NDF: 20.6/51

47.010 $\pm$ 57.634 χ^2 /NDF: 11.5/26

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.470 +/- 0.057 χ^2/NDF : 964281.5/16

Left Out: 258.787 +/- 0.079 χ^2/NDF : 513158.3/7

Right Out: 175.179 +/- 0.050 χ^2/NDF : 1514541.6/19

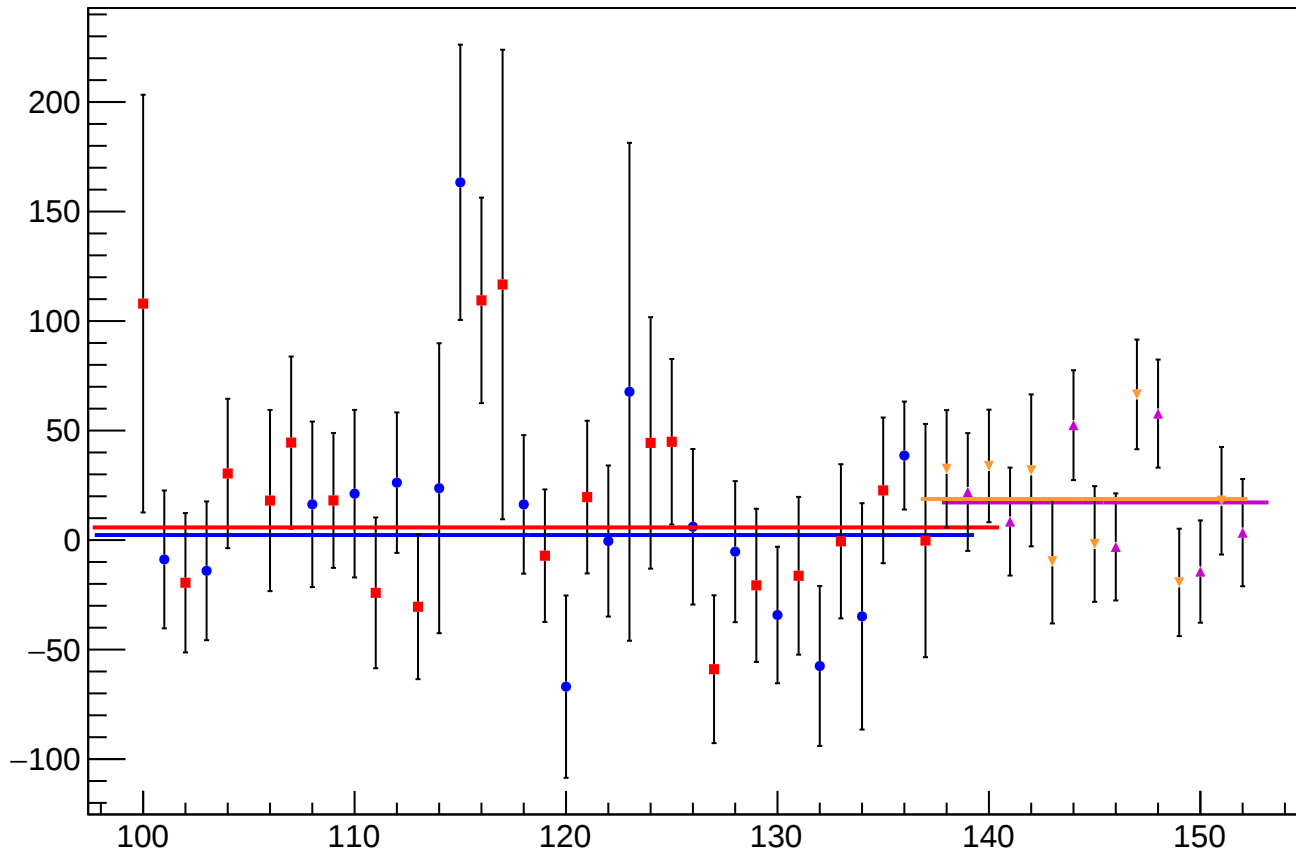
Left In: 222.448 +/- 0.070 χ^2/NDF : 481672.6/6

217.941 +/- 0.046 χ^2/NDF : 1889858.9/24

202.924 +/- 0.031 χ^2/NDF : 4376325.0/51

191.196 +/- 0.041 χ^2/NDF : 2297605.2/26

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

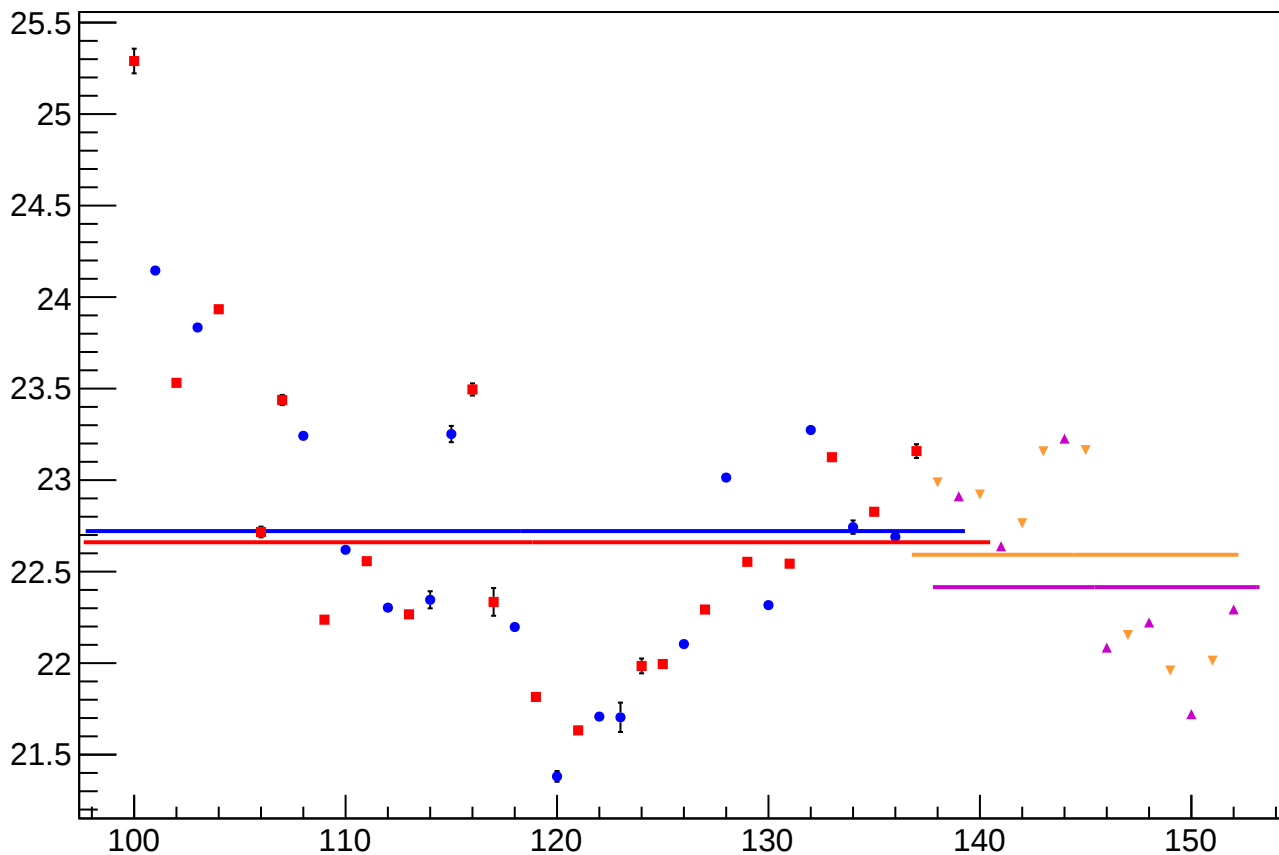
Left In: 17.190 $\pm$ 9.351 χ^2/NDF : 7.7/6

9.990 $\pm$ 6.424 χ^2/NDF : 28.1/24

10.462 $\pm$ 4.487 χ^2/NDF : 54.9/51

10.913 $\pm$ 6.271 χ^2/NDF : 26.7/26

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.722 ± 0.006 χ^2/NDF : 13580.6/16

Left Out: 22.592 ± 0.007 χ^2/NDF : 5598.7/7

Right Out: 22.660 ± 0.006 χ^2/NDF : 12974.2/19

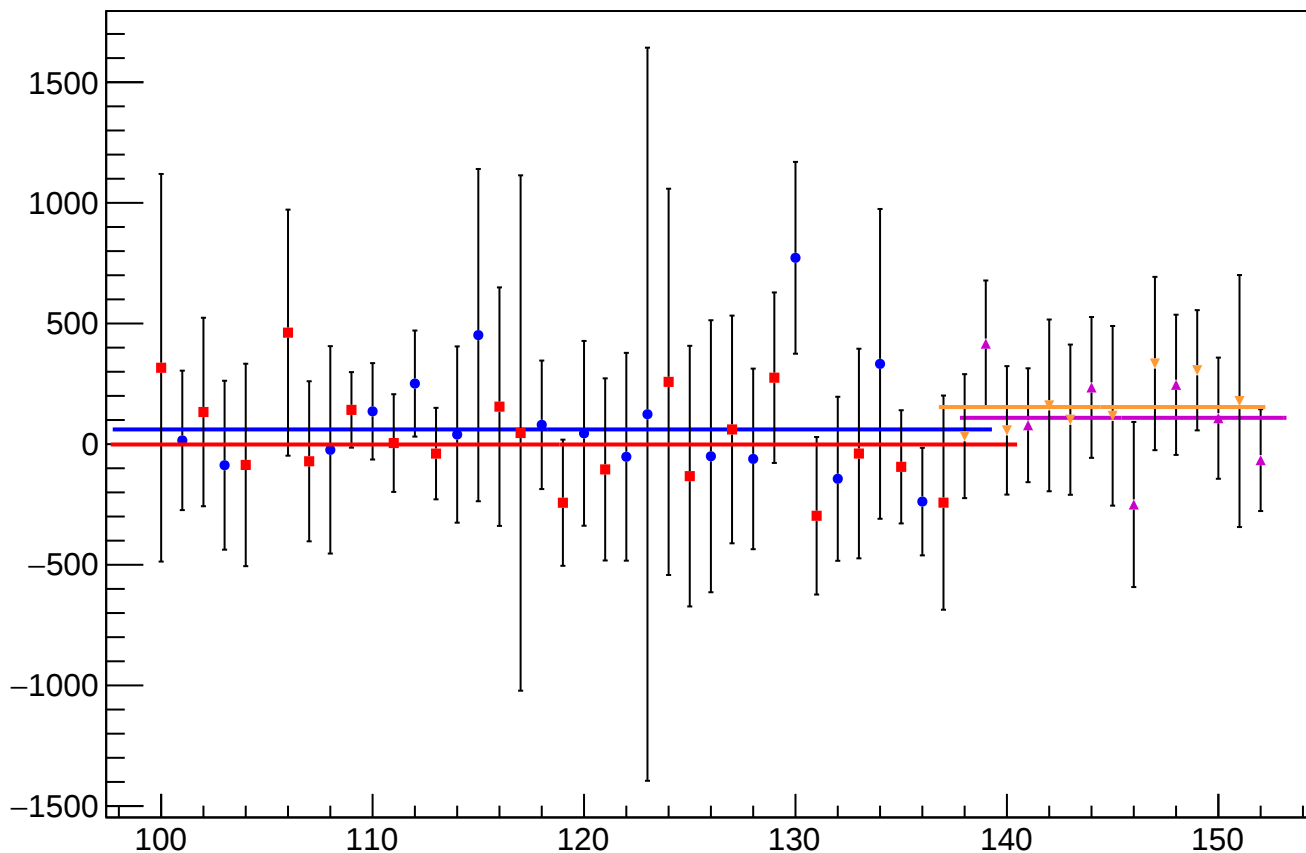
Left In: 22.415 ± 0.007 χ^2/NDF : 5242.6/6

22.661 ± 0.005 χ^2/NDF : 19381.5/24

22.604 ± 0.003 χ^2/NDF : 38658.7/51

22.550 ± 0.004 χ^2/NDF : 18972.7/26

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

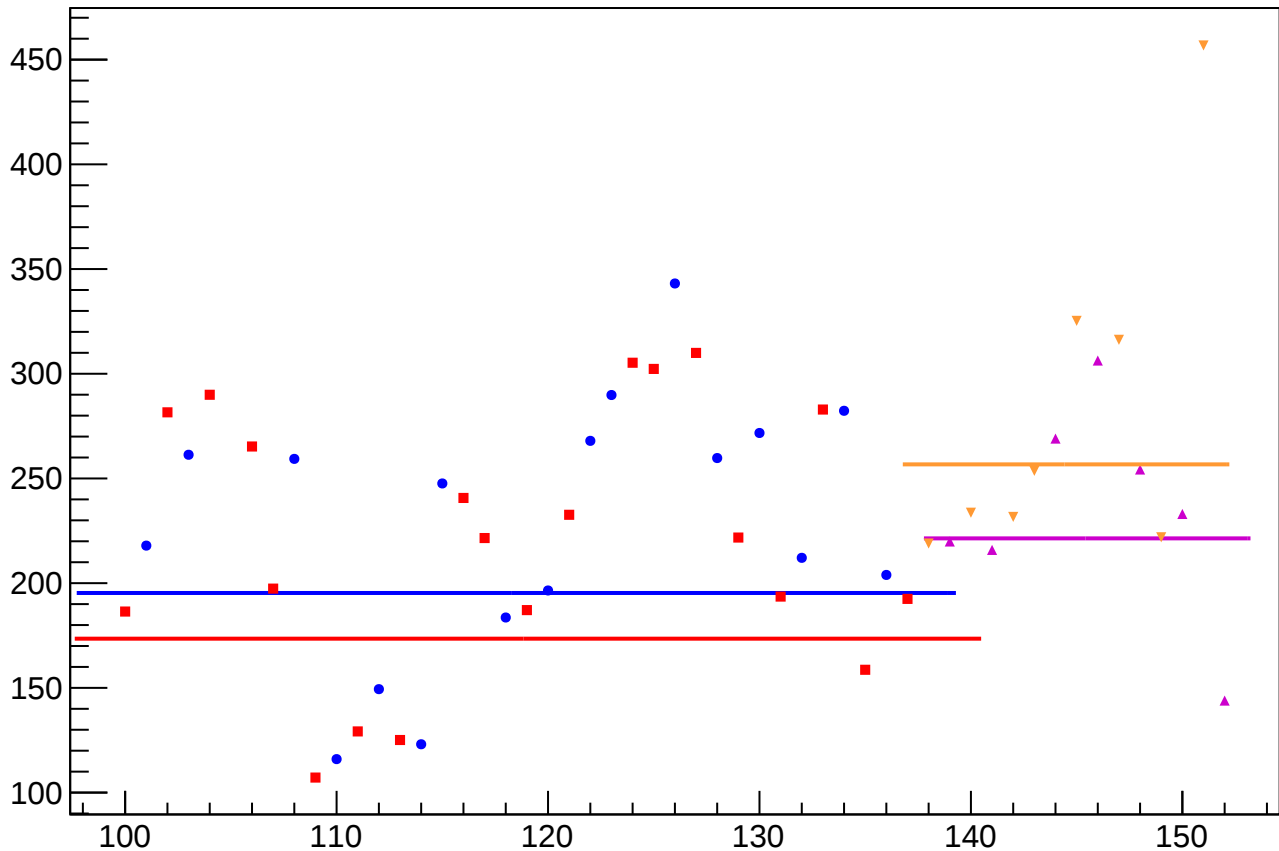
Left In: 109.105 $\pm$ 98.543 χ^2 /NDF:3.6/6

93.081 $\pm$ 64.861 χ^2 /NDF: 8.7/24

60.962 $\pm$ 42.935 χ^2 /NDF: 18.7/51

35.912 $\pm$ 57.281 χ^2 /NDF: 9.6/26

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.316+/-0.057 χ^2/NDF : 1004211.5/16

Left Out: 256.728+/-0.078 χ^2/NDF : 523613.9/7

Right Out: 173.495+/-0.050 χ^2/NDF : 1582449.6/19

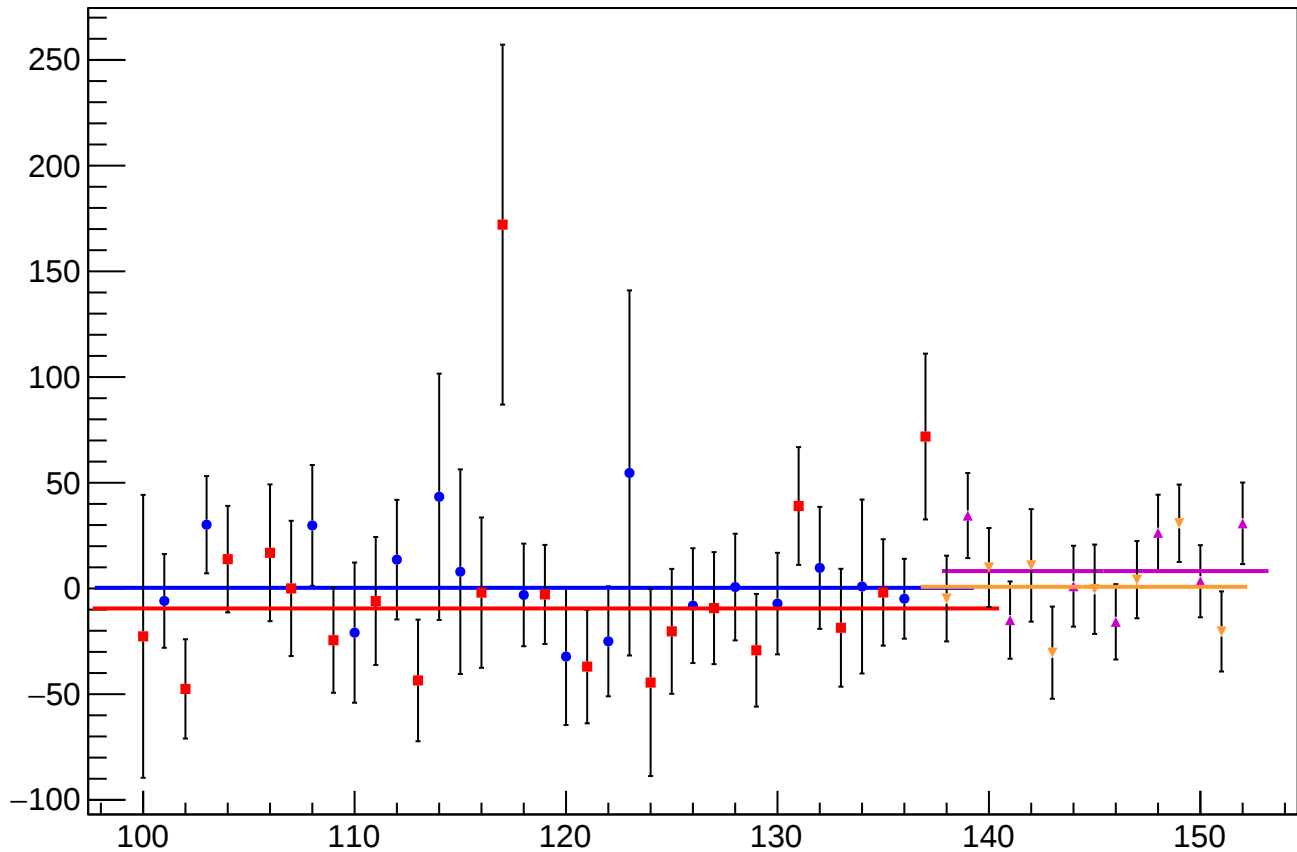
Left In: 221.387+/-0.070 χ^2/NDF : 477046.8/6

216.557+/-0.046 χ^2/NDF : 1933480.5/24

201.455+/-0.030 χ^2/NDF : 4498747.5/51

189.677+/-0.041 χ^2/NDF : 2372279.3/26

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

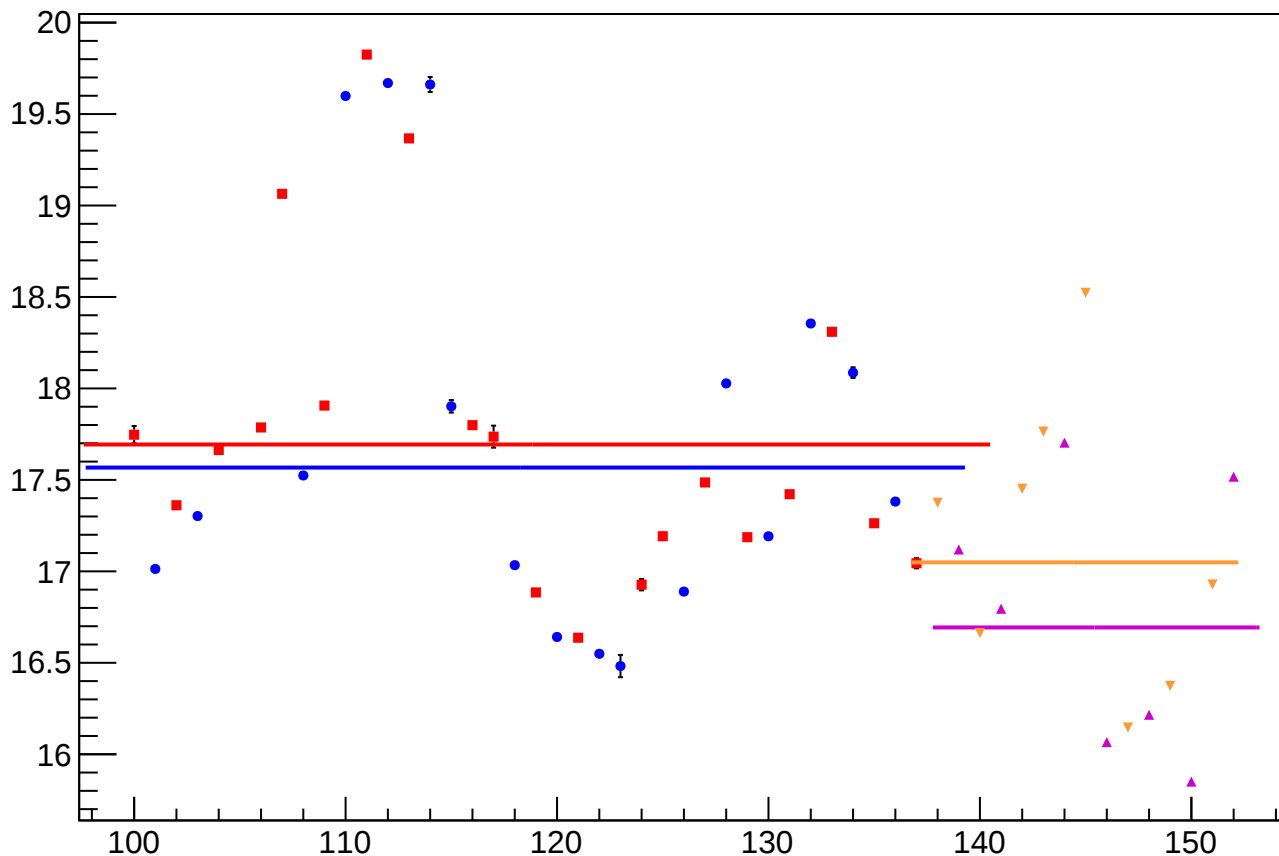
Left In: 8.241 ± 6.977 χ^2/NDF : 7.7/6

0.534 ± 4.916 χ^2/NDF : 13.3/24

-0.296 ± 3.434 χ^2/NDF : 45.0/51

-1.086 ± 4.798 χ^2/NDF : 31.7/26

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.567 ± 0.005 $\chi^2/\text{NDF}: 33145.0/16$

Left Out: 17.049 ± 0.005 $\chi^2/\text{NDF}: 21402.3/7$

Right Out: 17.693 ± 0.005 $\chi^2/\text{NDF}: 30767.6/19$

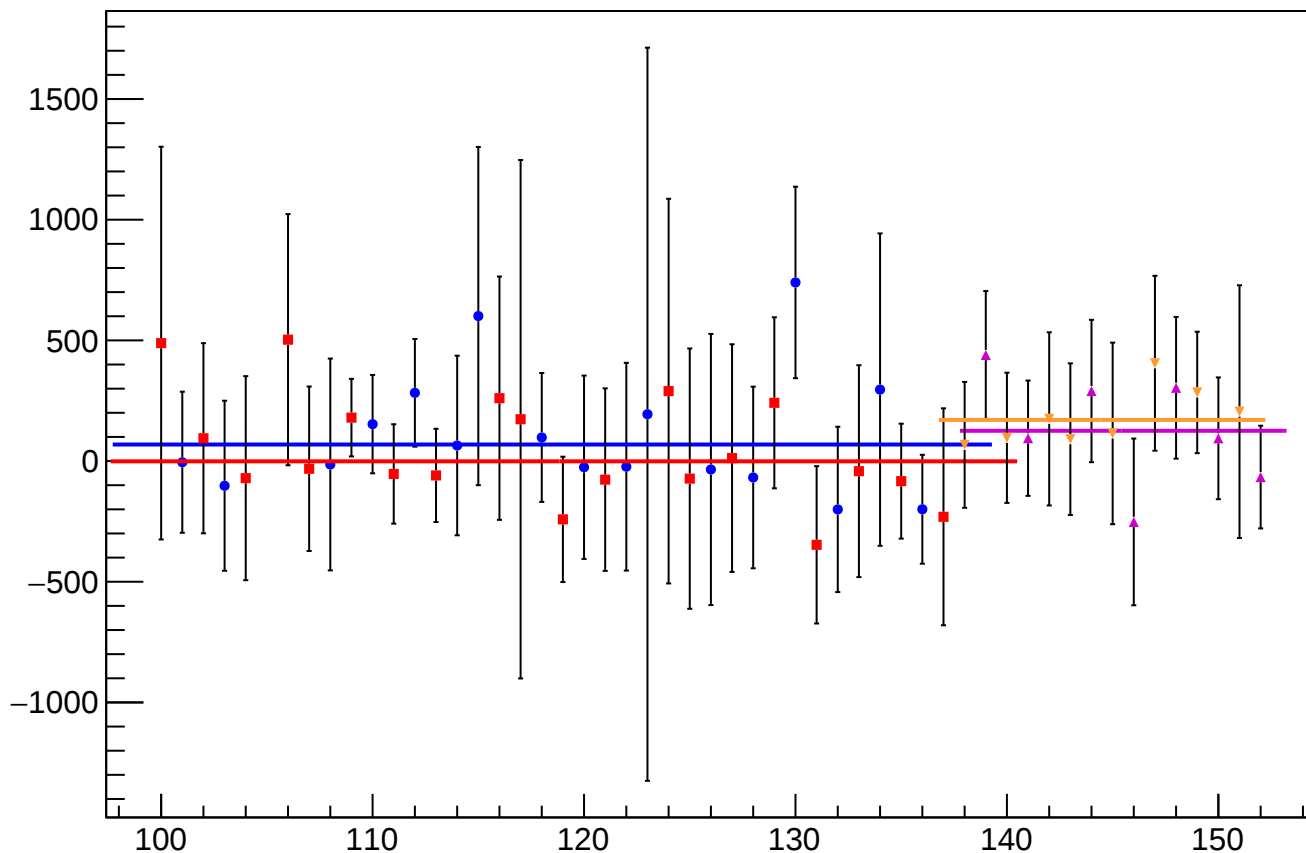
Left In: 16.693 ± 0.005 $\chi^2/\text{NDF}: 18946.4/6$

17.319 ± 0.003 $\chi^2/\text{NDF}: 60097.1/24$

17.269 ± 0.002 $\chi^2/\text{NDF}: 131889.4/51$

17.220 ± 0.003 $\chi^2/\text{NDF}: 71381.3/26$

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

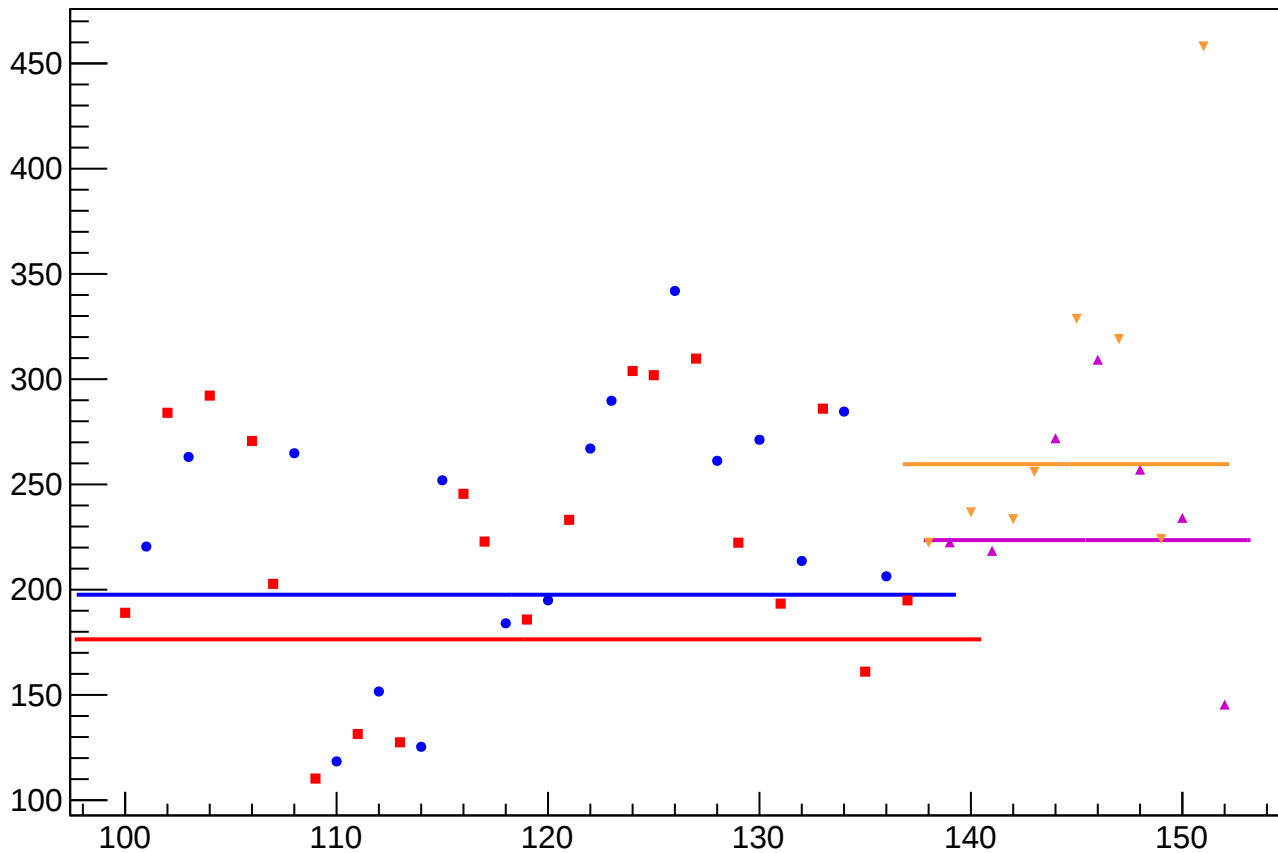
Left In: 125.522 $\pm$ 99.471 χ^2 /NDF:4.1/6

103.797 $\pm$ 65.536 χ^2 /NDF: 8.8/24

69.122 $\pm$ 43.430 χ^2 /NDF: 20.7/51

41.968 $\pm$ 57.993 χ^2 /NDF: 11.3/26

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

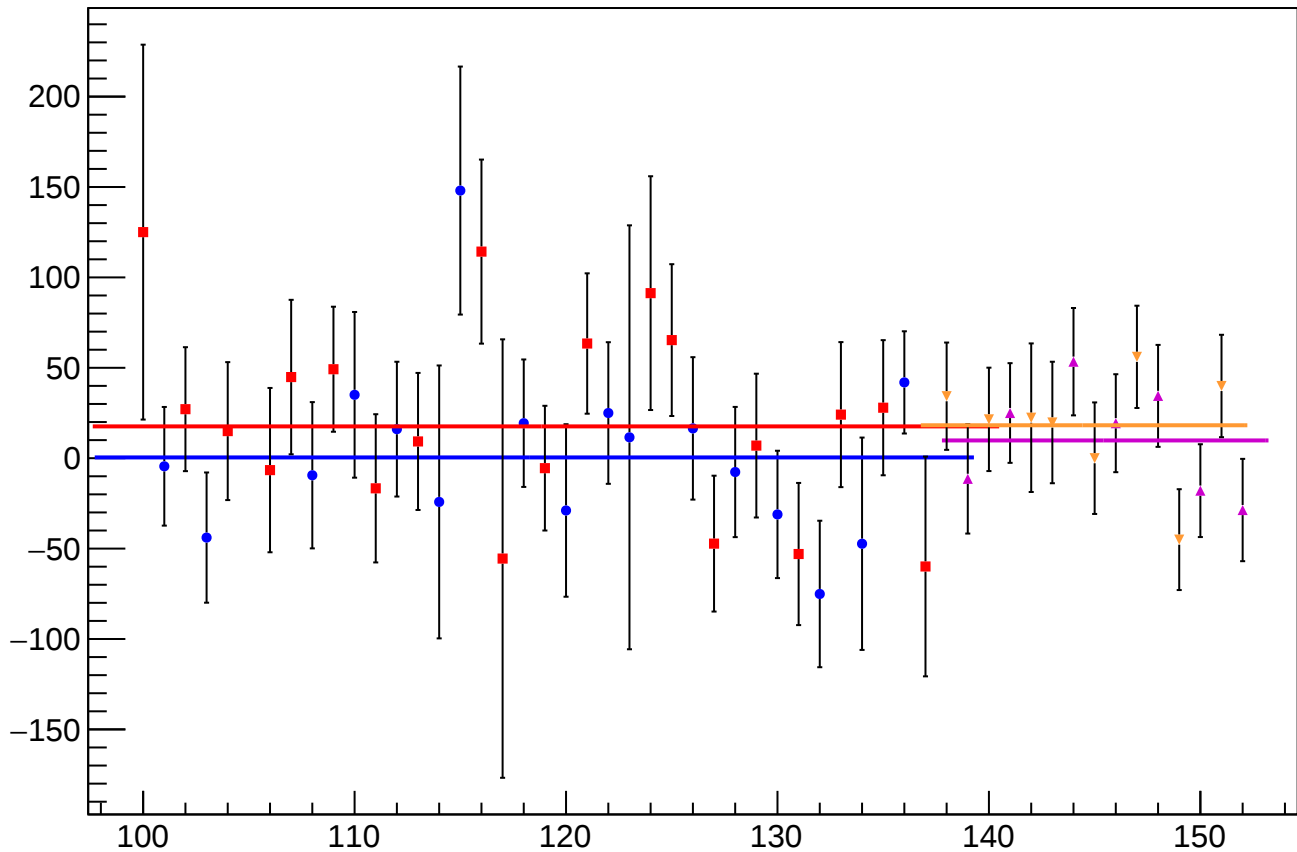
Left In: 223.549 $\pm$ 0.070 χ^2 /NDF: 477116.6/6

219.040 $\pm$ 0.046 χ^2 /NDF: 1888456.4/24

204.117 $\pm$ 0.031 χ^2 /NDF: 4370592.6/51

192.431 $\pm$ 0.041 χ^2 /NDF: 2297223.4/26

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.427 ± 9.884 χ^2/NDF : 15.5/16

Left Out: 18.217 ± 10.740 χ^2/NDF : 8.2/7

Right Out: 17.595 ± 9.470 χ^2/NDF : 19.8/19

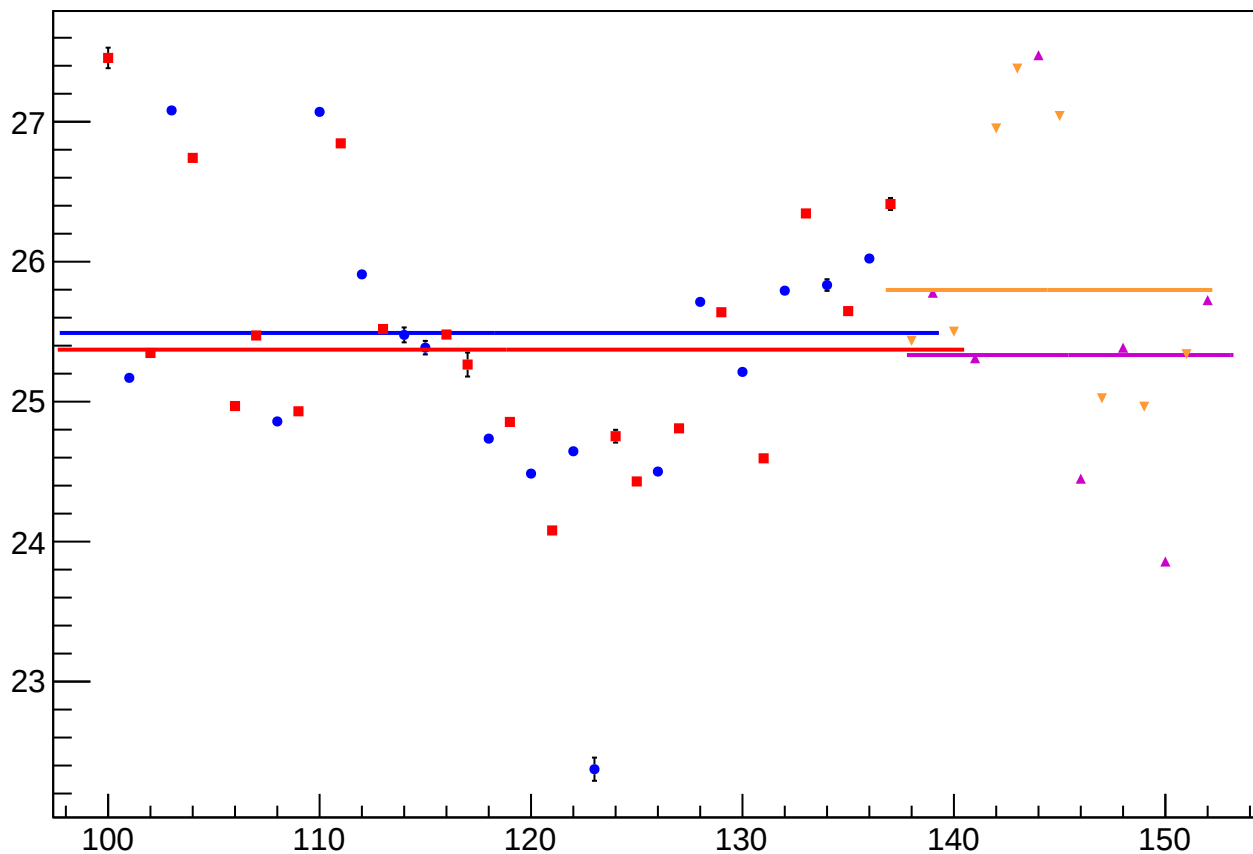
Left In: 9.823 ± 10.584 χ^2/NDF : 6.9/6

8.585 ± 7.273 χ^2/NDF : 25.1/24

11.446 ± 5.065 χ^2/NDF : 52.4/51

14.140 ± 7.057 χ^2/NDF : 27.0/26

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 25.491 $\pm$ 0.007 χ^2 /NDF: 13713.0/16

Left Out: 25.798 $\pm$ 0.008 χ^2 /NDF:13585.4/7

Right Out: 25.372 $\pm$ 0.007 χ^2 /NDF: 13552.0/19

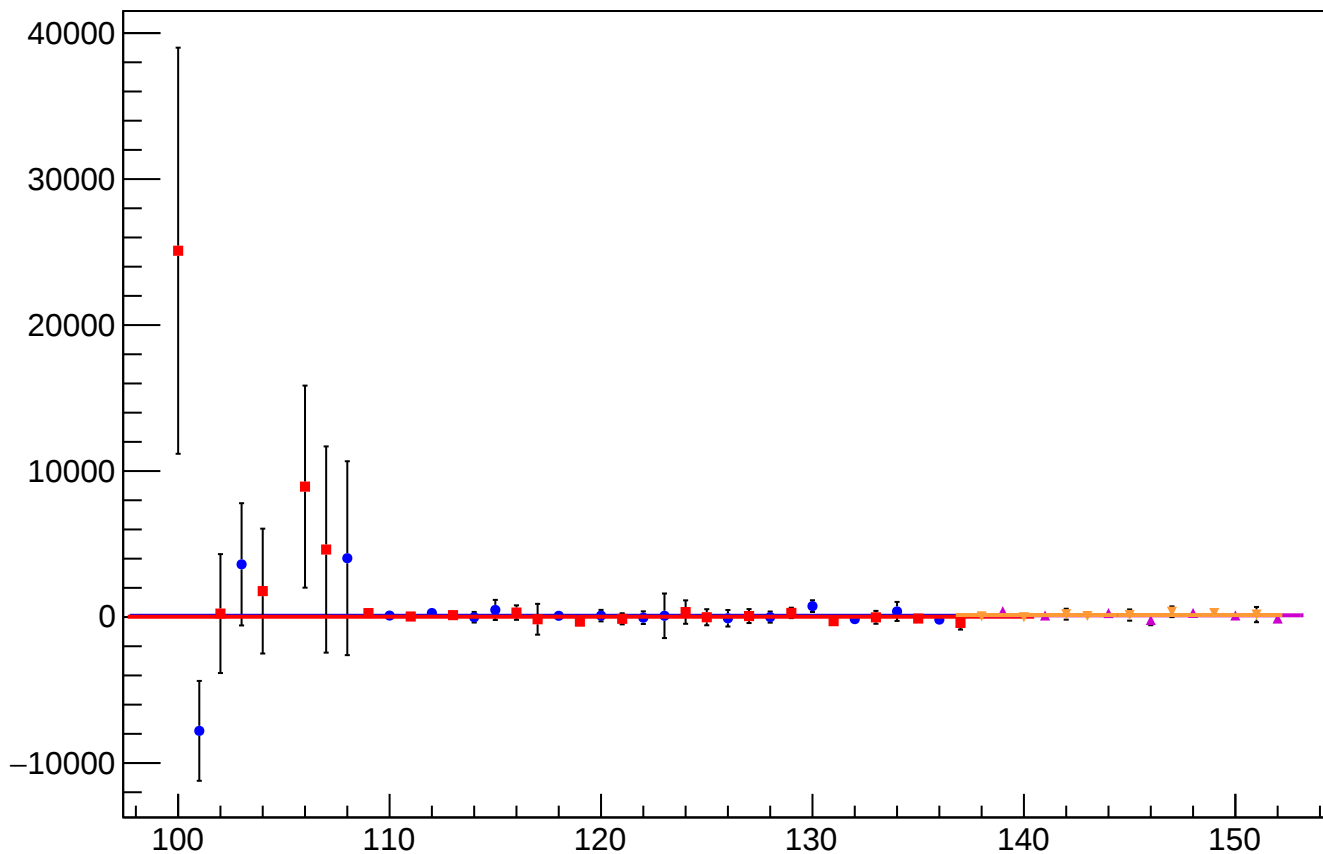
Left In: 25.333 $\pm$ 0.007 χ^2 /NDF:19967.9/6

25.632 $\pm$ 0.005 χ^2 /NDF: 28184.4/24

25.489 $\pm$ 0.004 χ^2 /NDF: 63216.8/51

25.354 $\pm$ 0.005 χ^2 /NDF: 33534.7/26

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 86.558 $\pm$ 88.423 χ^2 /NDF: 12.5/16

Left Out: 137.577 $\pm$ 112.821 χ^2 /NDF:1.2/7

Right Out: 22.332 $\pm$ 80.711 χ^2 /NDF: 11.9/19

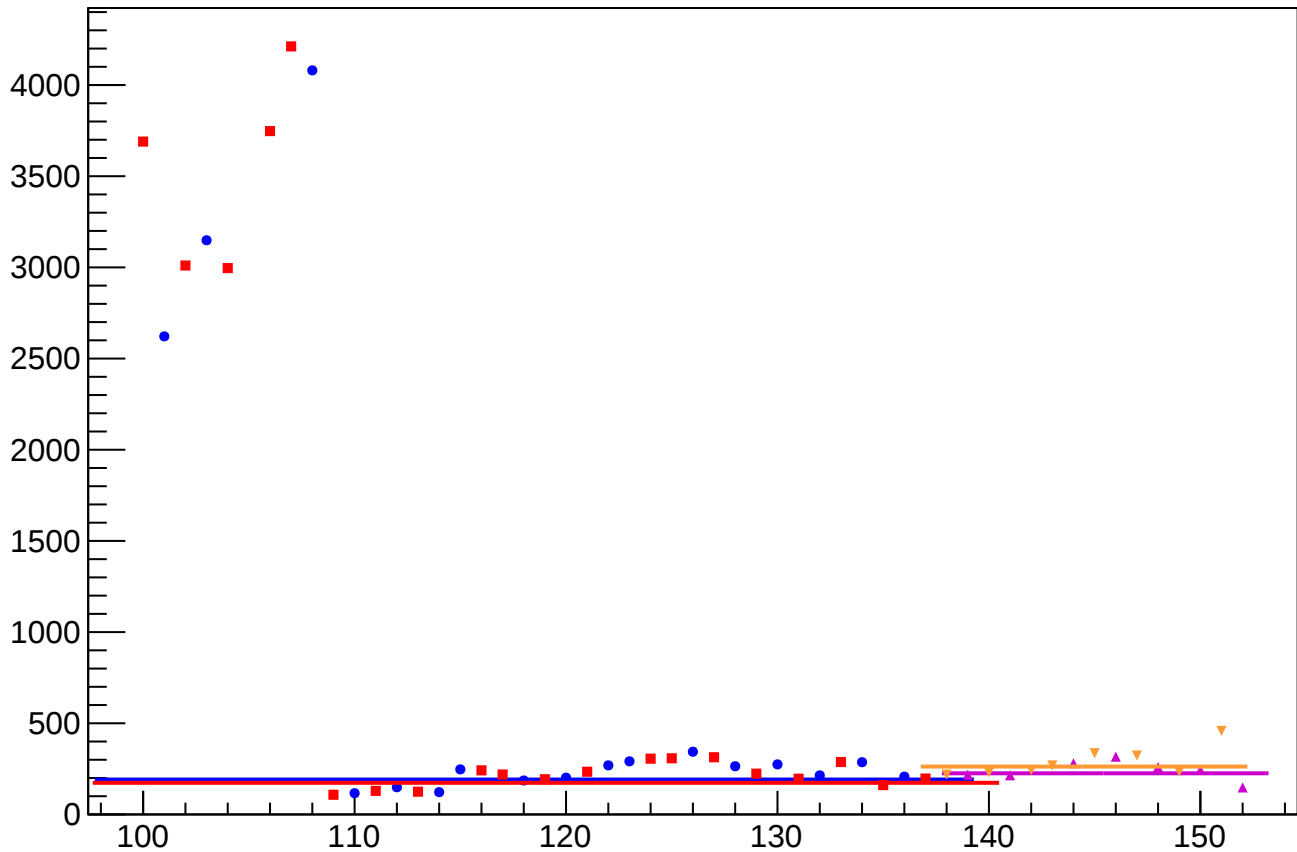
Left In: 119.584 $\pm$ 100.466 χ^2 /NDF:3.7/6

105.971 $\pm$ 69.595 χ^2 /NDF: 13.8/24

80.940 $\pm$ 46.674 χ^2 /NDF: 30.2/51

60.479 $\pm$ 62.921 χ^2 /NDF: 16.2/26

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

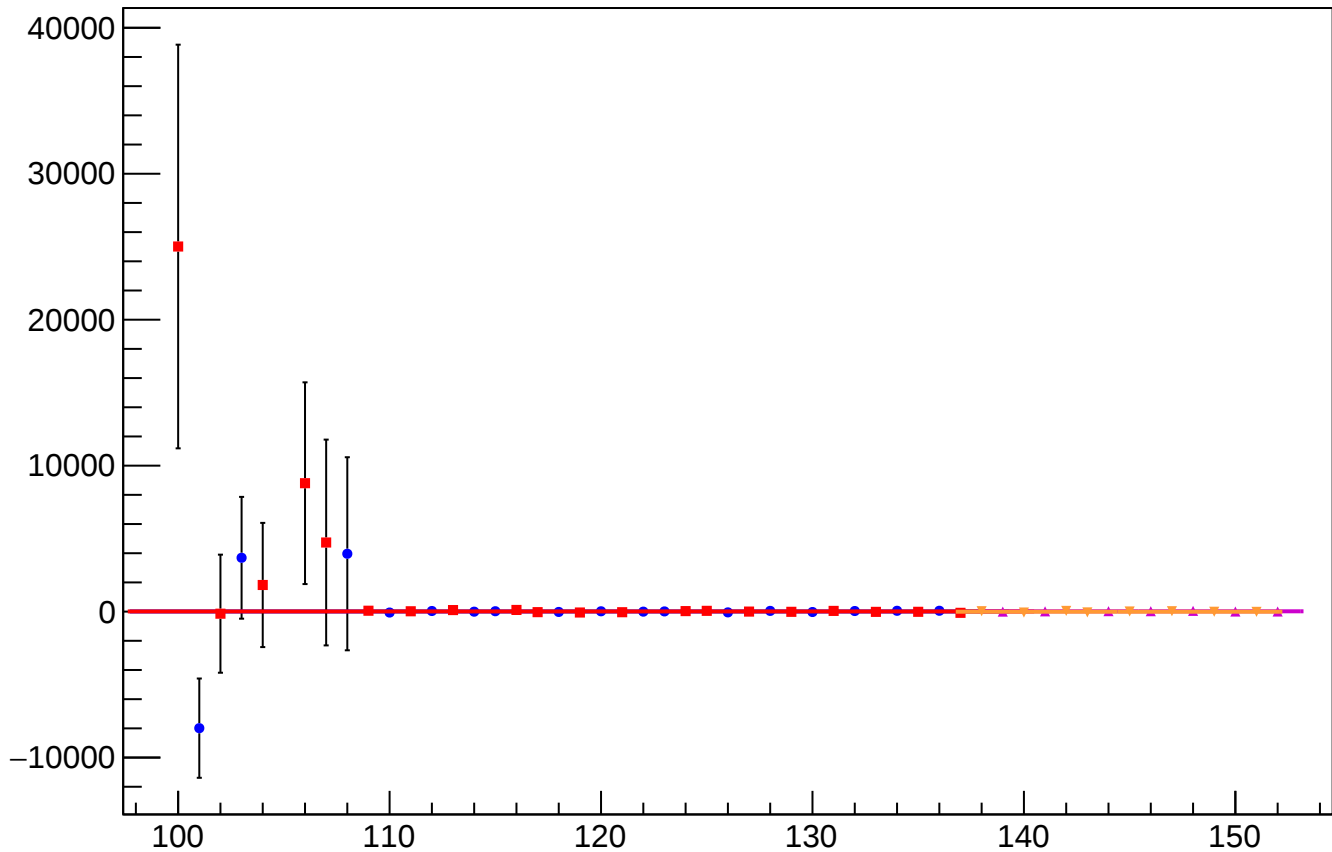
Left In: 225.658 ± 0.071 χ^2/NDF : 501238.1/6

218.567 ± 0.049 χ^2/NDF : 4595082.3/24

205.049 ± 0.033 χ^2/NDF : 9771424.9/51

193.998 ± 0.044 χ^2/NDF : 5039192.3/26

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

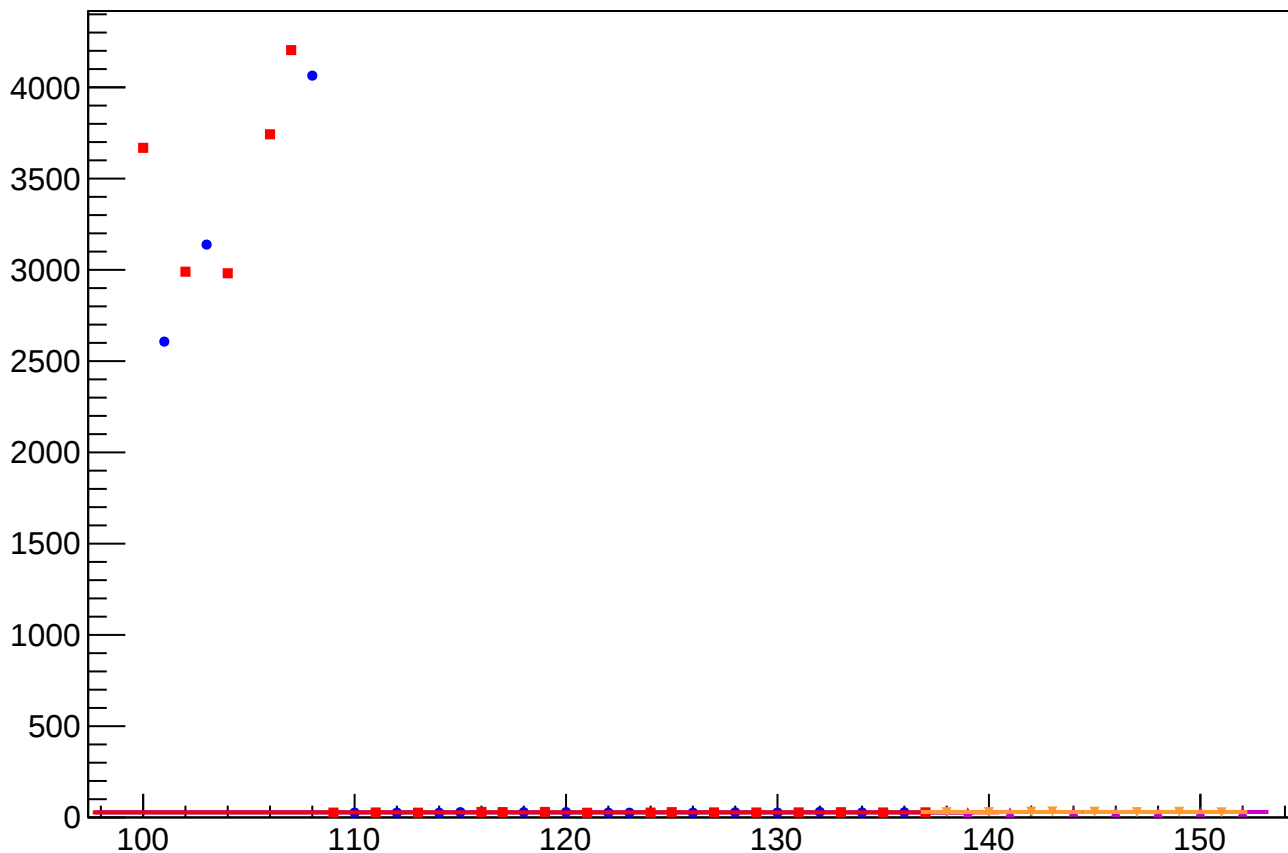
Left In: 21.070+/-12.567 χ^2/NDF : 1.8/6

1.913+/-8.749 χ^2/NDF : 27.3/24

9.231+/-6.186 χ^2/NDF : 55.7/51

16.548+/-8.749 χ^2/NDF : 27.0/26

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

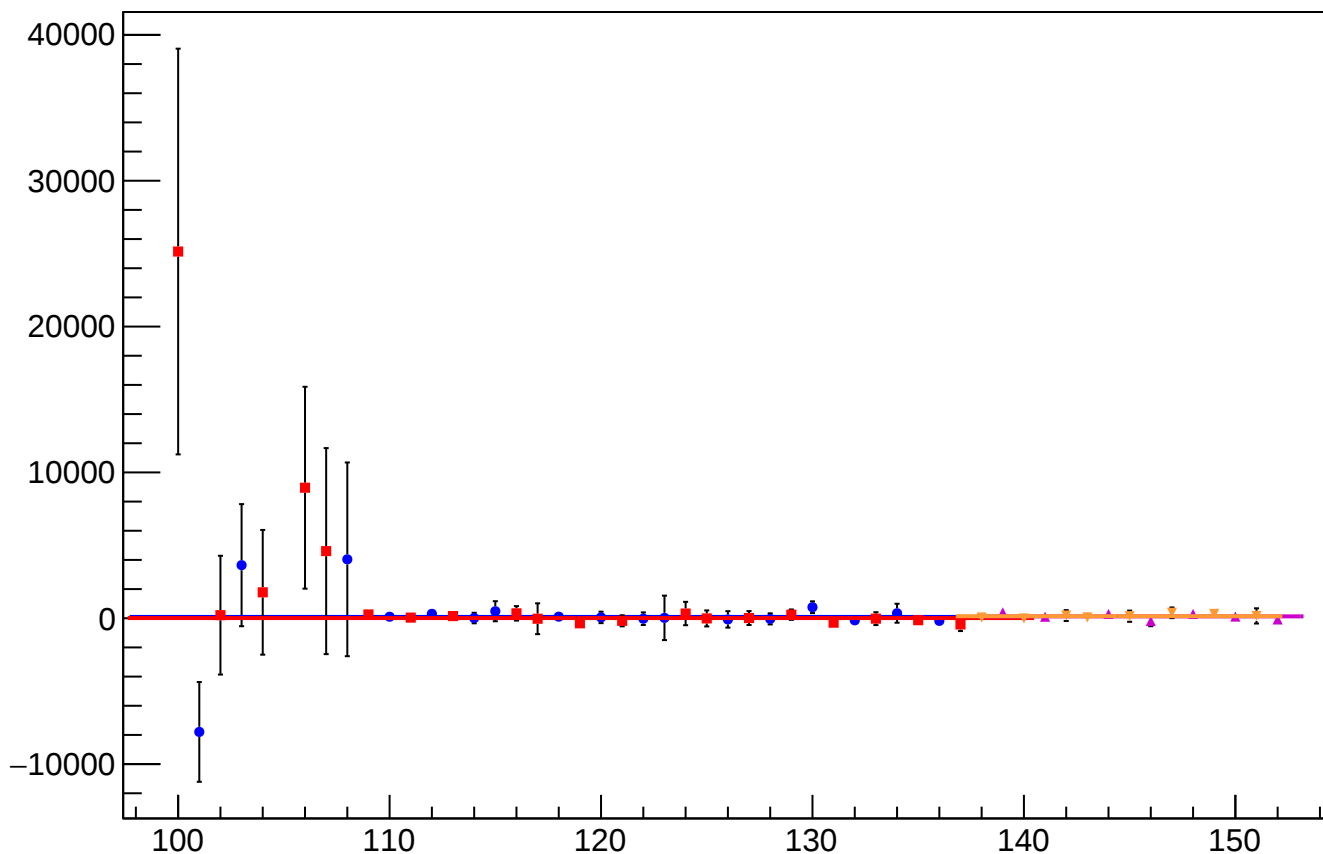
Left In: 30.002+/-0.009 χ^2/NDF : 29598.6/6

28.851+/-0.006 χ^2/NDF : 3083717.3/24

28.835+/-0.004 χ^2/NDF : 6624819.2/51

28.819+/-0.006 χ^2/NDF : 3541088.3/26

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

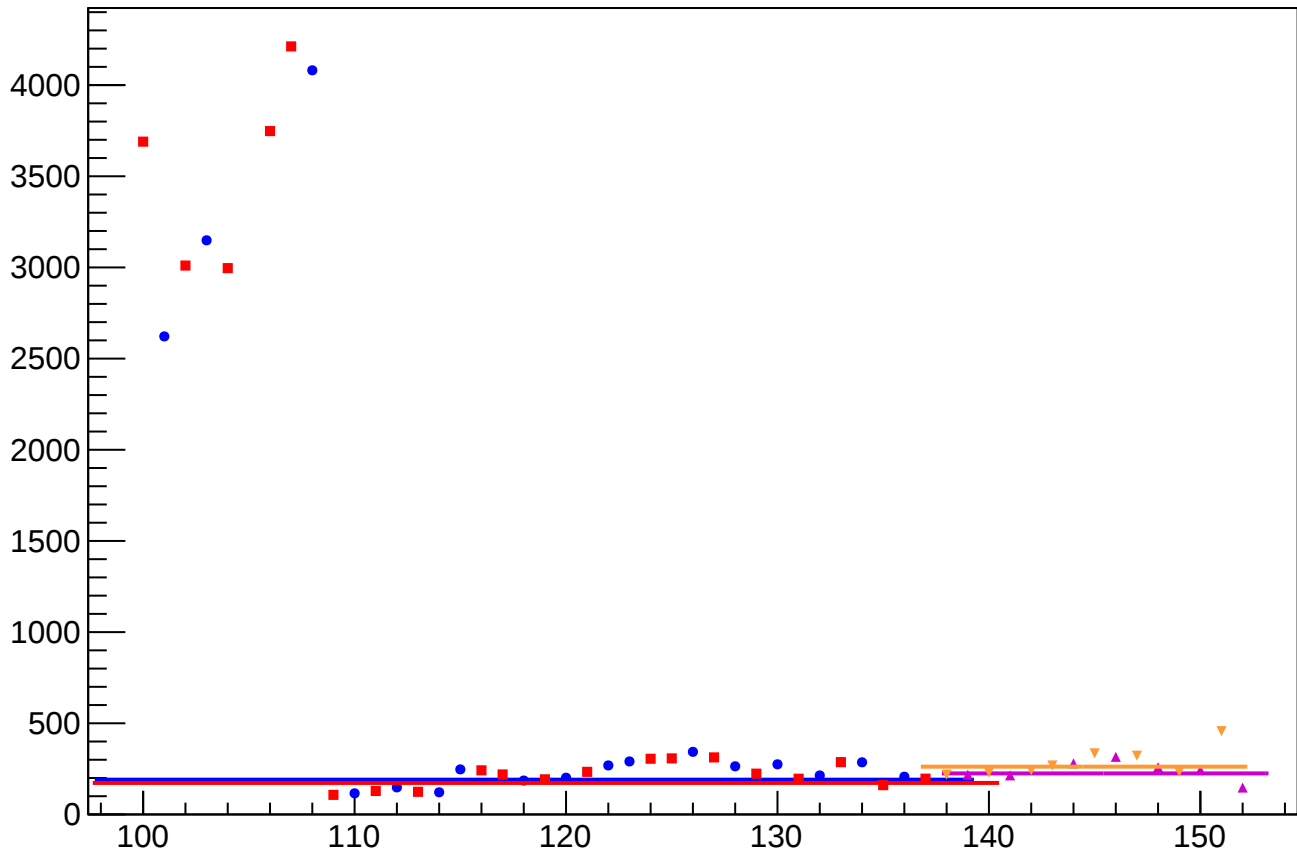
Left In: 130.073+/-100.227 χ^2/NDF : 3.6/6

109.846+/-69.405 χ^2/NDF : 14.2/24

81.821+/-46.542 χ^2/NDF : 31.6/51

58.921+/-62.740 χ^2/NDF : 17.1/26

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

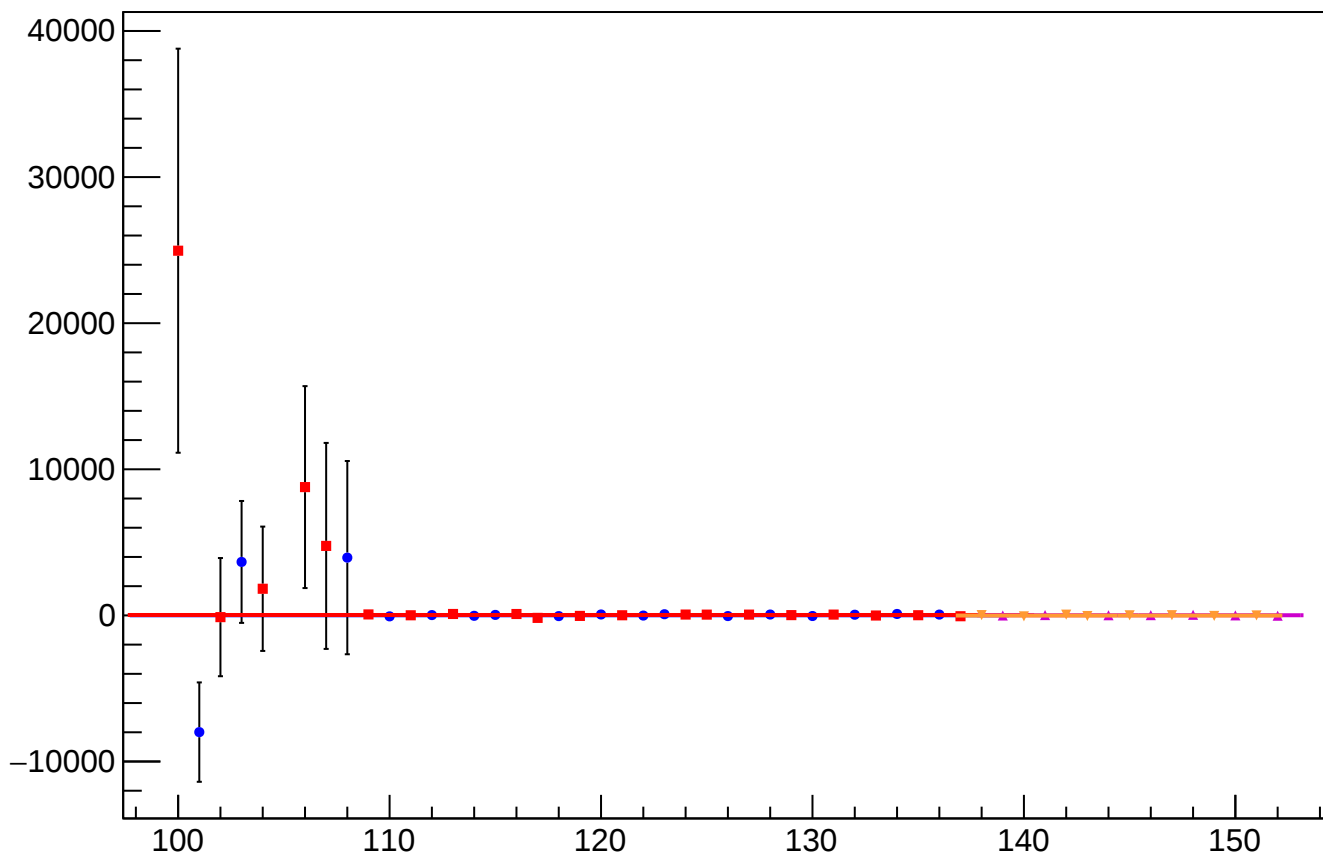
Left In: 225.098+/-0.071 χ^2/NDF : 503040.2/6

217.884+/-0.049 χ^2/NDF : 4611128.6/24

204.385+/-0.033 χ^2/NDF : 9804069.7/51

193.354+/-0.044 χ^2/NDF : 5055452.1/26

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

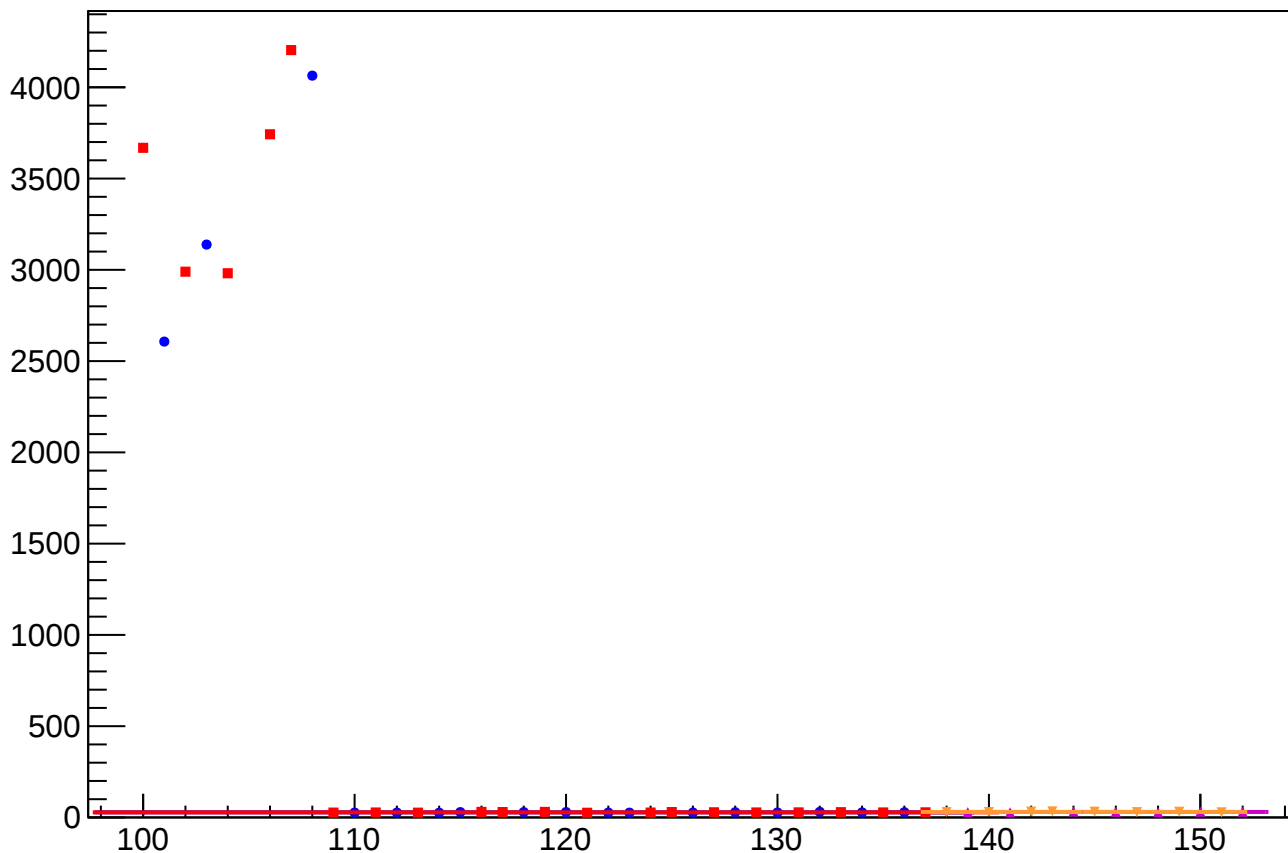
Left In: 10.572 $\pm$ 12.630 χ^2 /NDF: 2.3/6

-0.358 $\pm$ 8.807 χ^2 /NDF: 31.5/24

9.558 $\pm$ 6.228 χ^2 /NDF: 56.0/51

19.474 $\pm$ 8.807 χ^2 /NDF: 22.0/26

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 28.044+/-0.009 χ^2/NDF : 3027898.7/16

Left Out: 30.064+/-0.009 χ^2/NDF : 30447.9/7

Right Out: 27.930+/-0.009 χ^2/NDF : 3479947.6/19

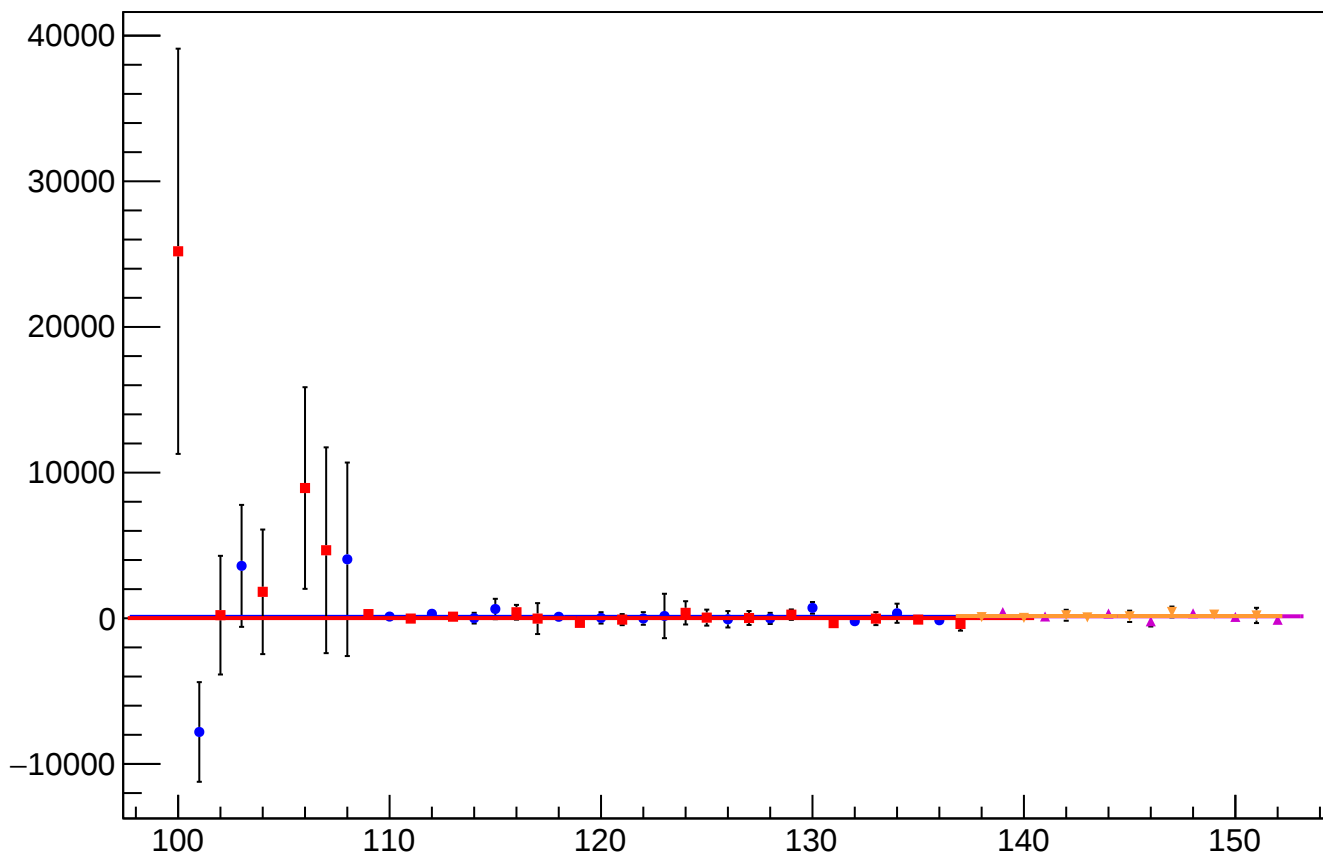
Left In: 30.161+/-0.009 χ^2/NDF : 29792.3/6

29.039+/-0.006 χ^2/NDF : 3084641.2/24

29.027+/-0.004 χ^2/NDF : 6626441.6/51

29.015+/-0.006 χ^2/NDF : 3541792.5/26

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

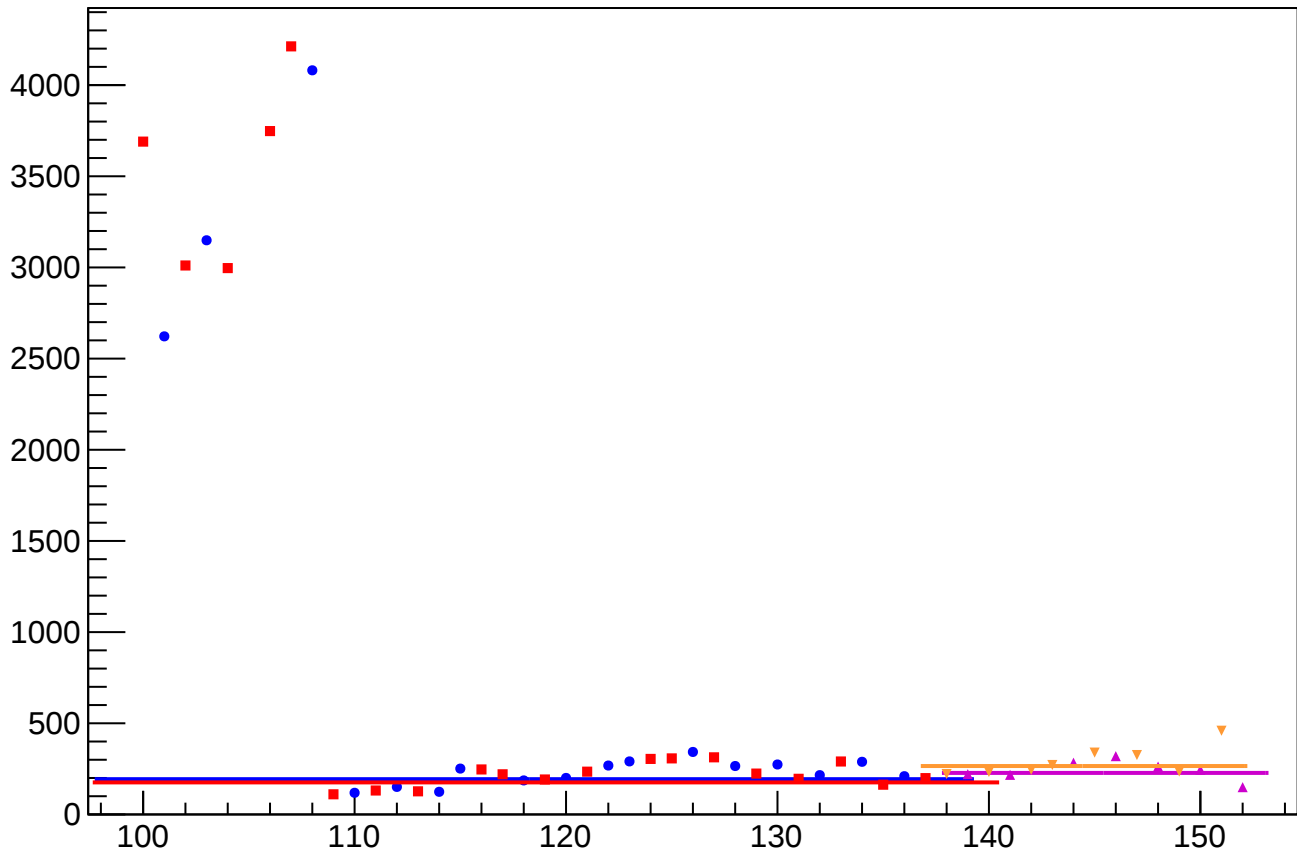
Left In: 135.433+/-101.393 χ^2/NDF : 4.2/6

119.731+/-70.251 χ^2/NDF : 13.8/24

86.978+/-47.123 χ^2/NDF : 31.6/51

60.186+/-63.537 χ^2/NDF : 17.4/26

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

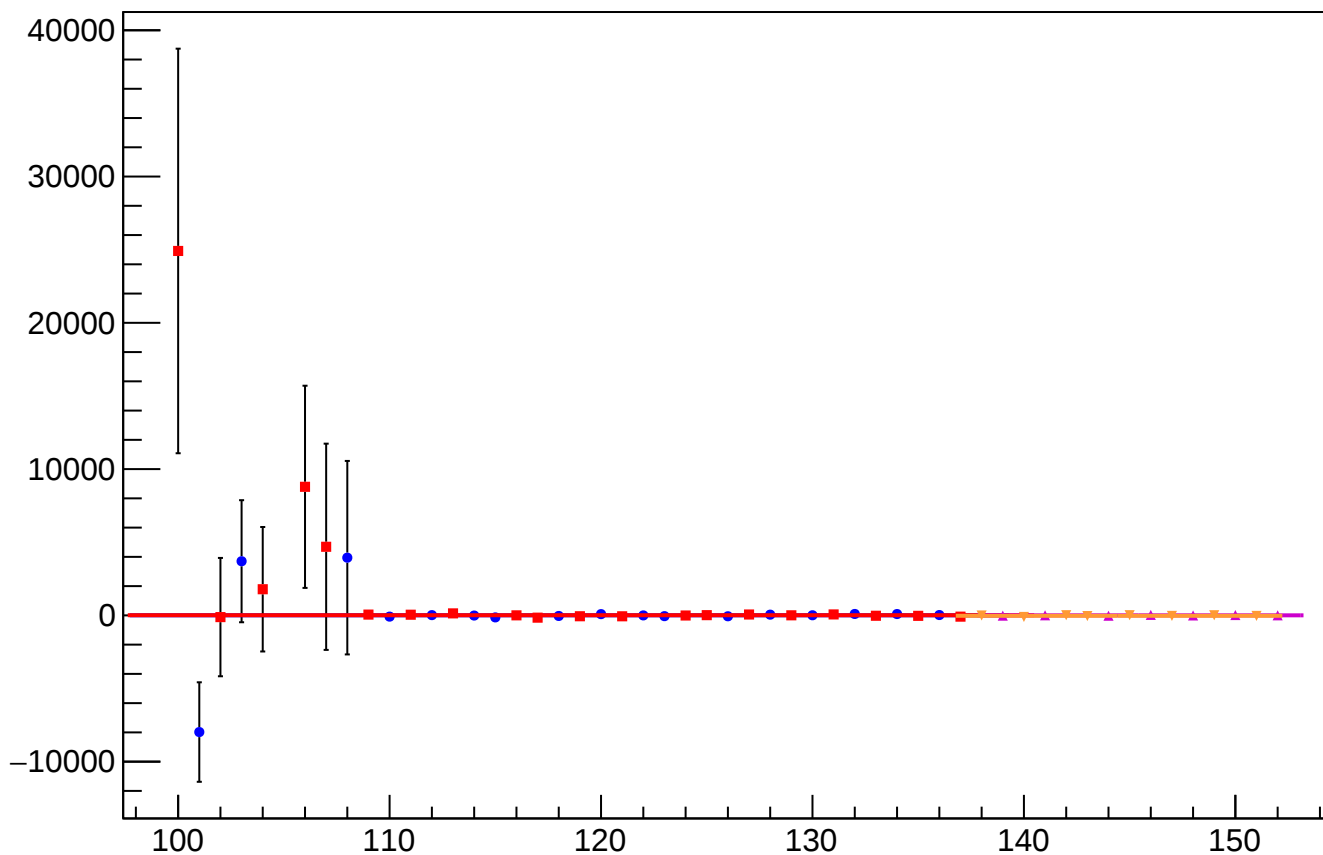
Left In: 227.842+/-0.072 χ^2/NDF : 499331.9/6

220.874+/-0.050 χ^2/NDF : 4550854.0/24

207.313+/-0.033 χ^2/NDF : 9675106.3/51

196.220+/-0.045 χ^2/NDF : 4988762.5/26

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.565 $\pm$ 15.052 χ^2 /NDF: 20.4/16

Left Out: -28.265 $\pm$ 14.790 χ^2 /NDF: 6.6/7

Right Out: 10.775 $\pm$ 14.891 χ^2 /NDF: 23.0/19

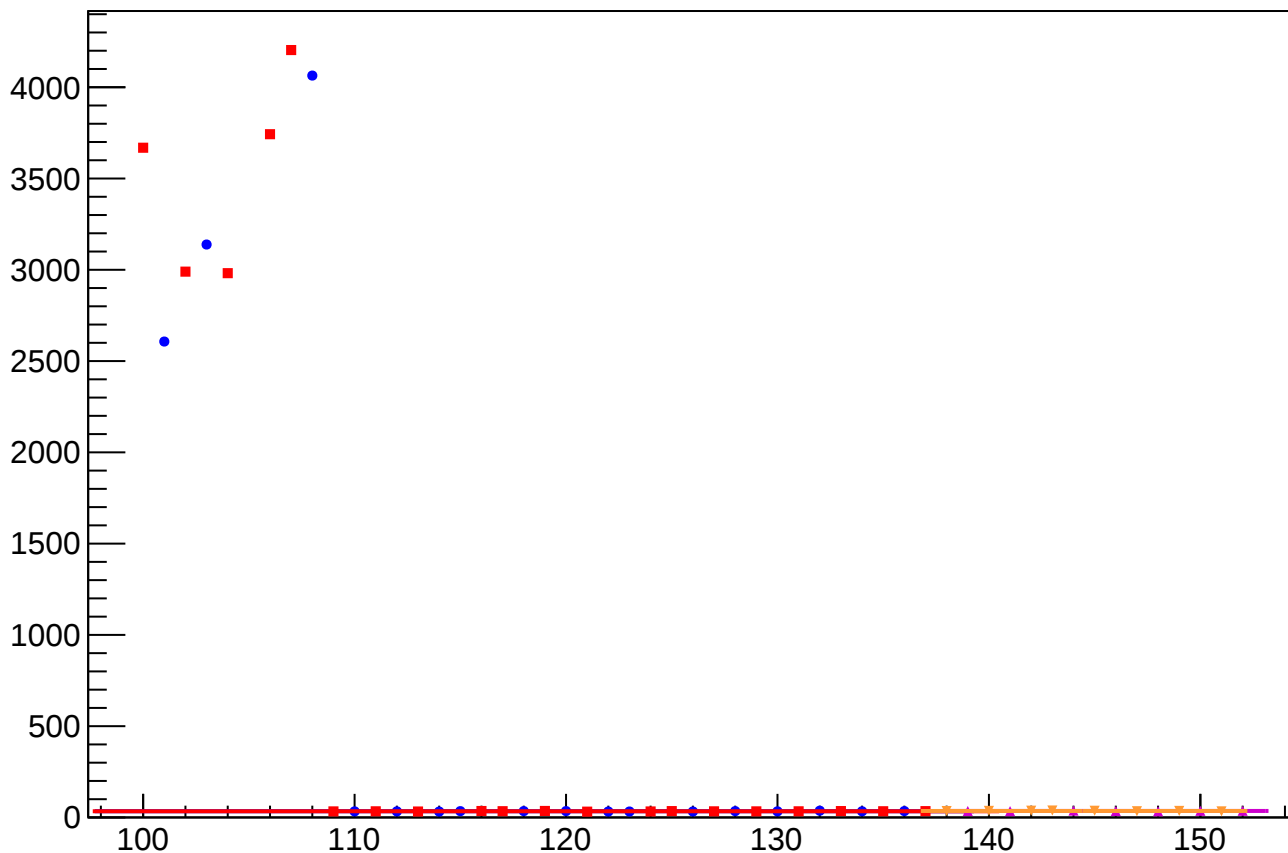
Left In: 3.237 $\pm$ 14.894 χ^2 /NDF: 1.6/6

-11.647 $\pm$ 10.549 χ^2 /NDF: 29.6/24

-2.303 $\pm$ 7.453 χ^2 /NDF: 56.0/51

7.007 $\pm$ 10.531 χ^2 /NDF: 24.7/26

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 34.168+/-0.011 χ^2/NDF : 3006512.8/16

Left Out: 35.503+/-0.010 χ^2/NDF : 18992.7/7

Right Out: 33.916+/-0.011 χ^2/NDF : 3451921.6/19

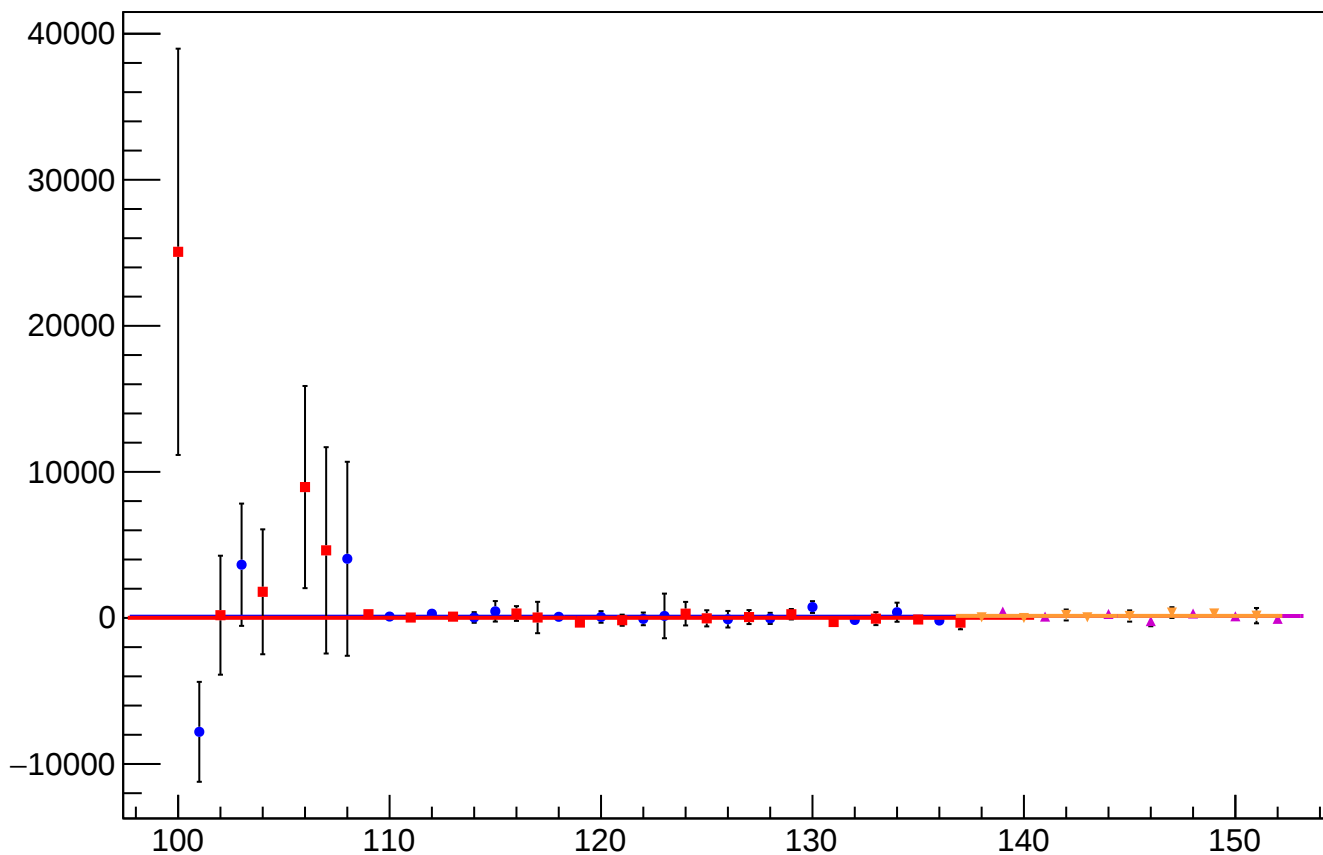
Left In: 35.636+/-0.011 χ^2/NDF : 12438.5/6

34.847+/-0.007 χ^2/NDF : 3033513.0/24

34.811+/-0.005 χ^2/NDF : 6511265.9/51

34.776+/-0.007 χ^2/NDF : 3477707.1/26

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

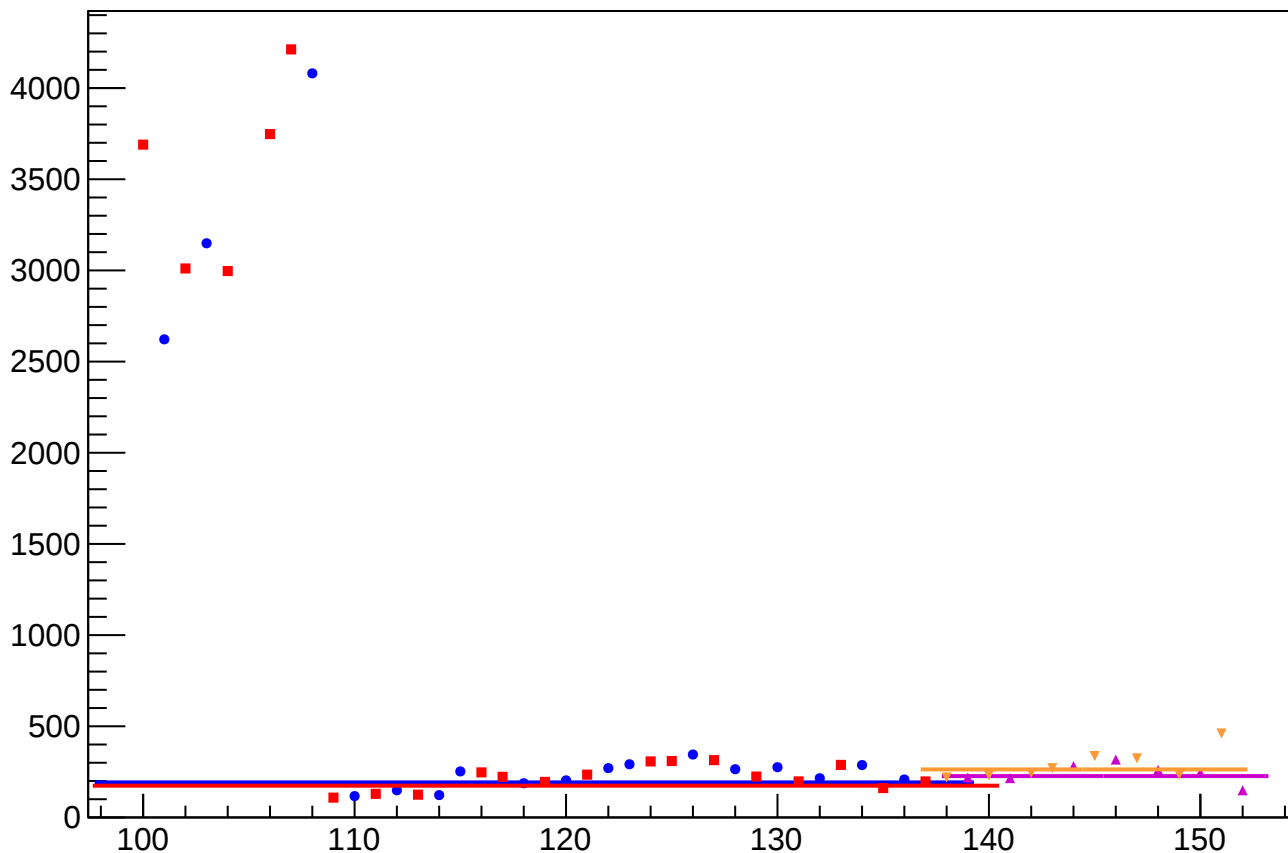
Left In: 132.402+/-100.919 χ^2/NDF : 3.7/6

106.034+/-69.833 χ^2/NDF : 14.0/24

79.167+/-46.852 χ^2/NDF : 30.0/51

57.174+/-63.182 χ^2/NDF : 15.7/26

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

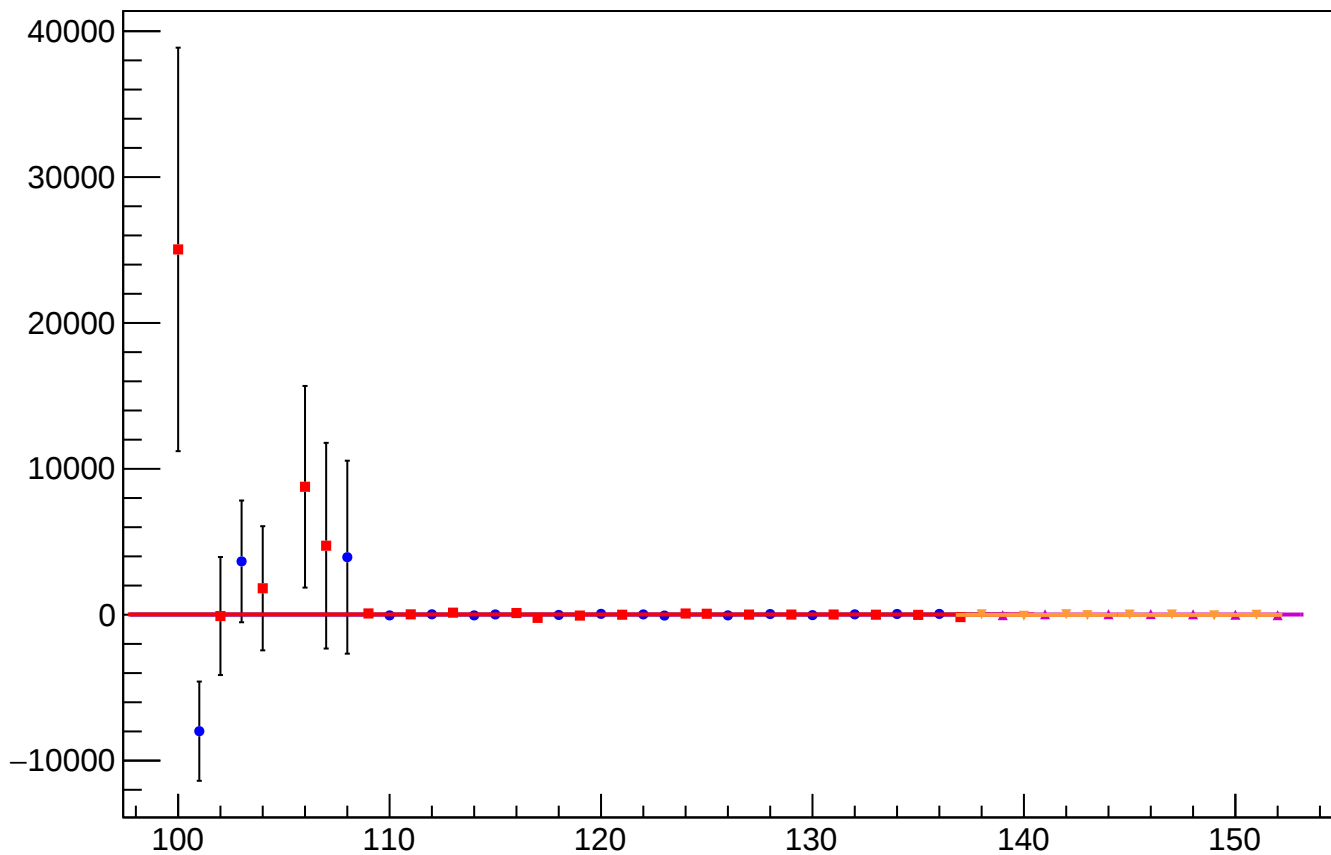
Left In: 226.749+/-0.071 χ^2/NDF : 495801.9/6

219.315+/-0.049 χ^2/NDF : 4596197.9/24

205.846+/-0.033 χ^2/NDF : 9772290.6/51

194.821+/-0.045 χ^2/NDF : 5040796.9/26

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

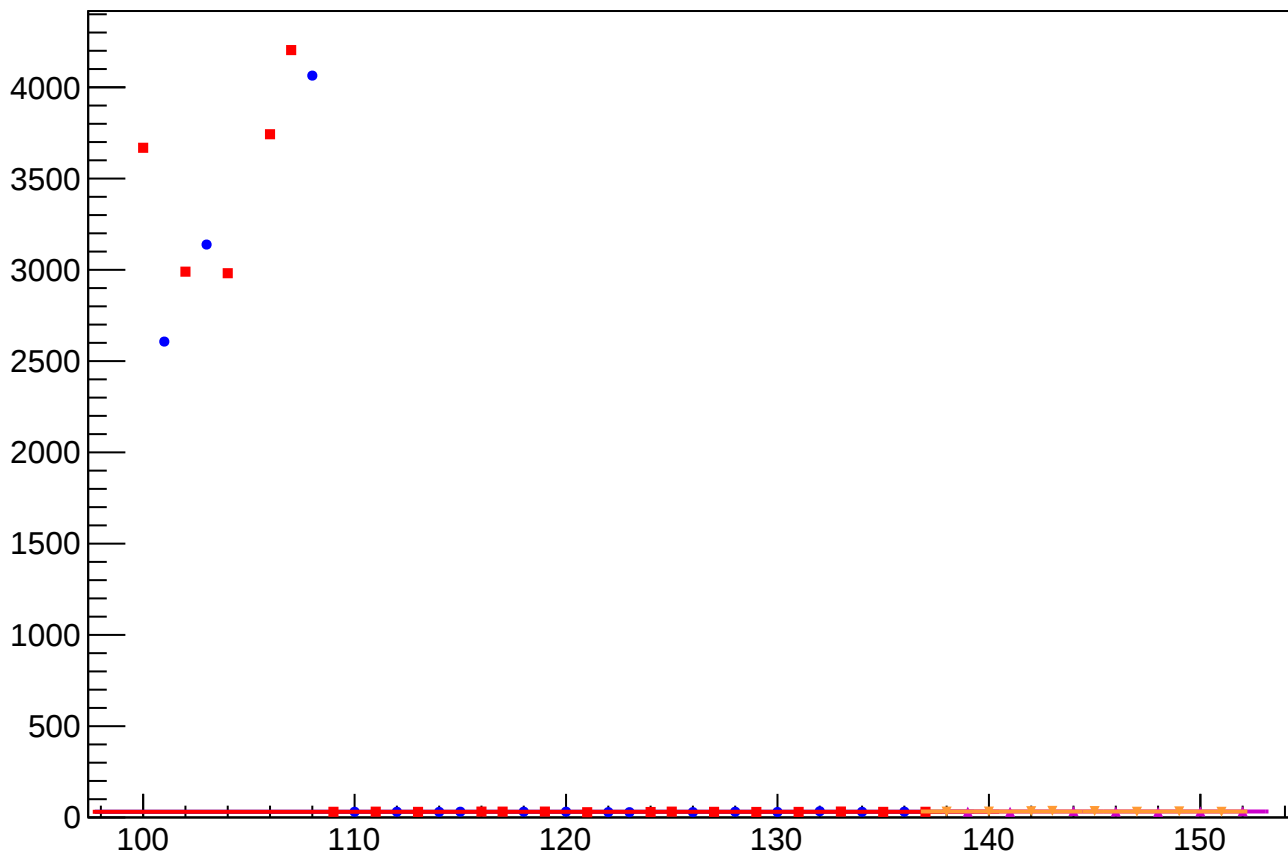
Left In: 13.951+/-13.668 χ^2/NDF : 4.4/6

1.562+/-9.673 χ^2/NDF : 22.5/24

9.486+/-6.829 χ^2/NDF : 58.8/51

17.361+/-9.643 χ^2/NDF : 34.9/26

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

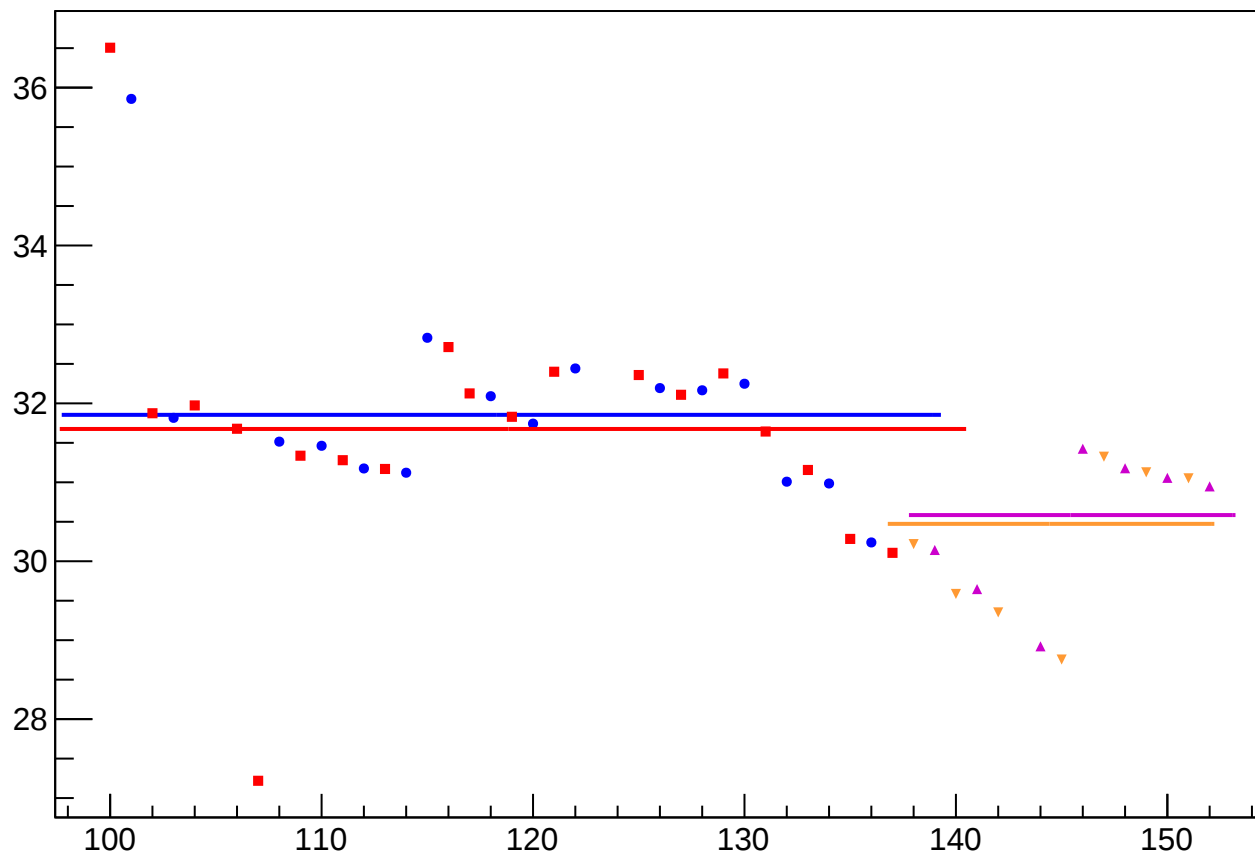
Left In: 32.635+/-0.010 χ^2/NDF : 24065.7/6

31.928+/-0.007 χ^2/NDF : 3057004.1/24

31.863+/-0.005 χ^2/NDF : 6555147.8/51

31.798+/-0.007 χ^2/NDF : 3497963.8/26

yield_usl_mean vs Slug, Sign Corrected



Right In: 31.855+/-0.000 χ^2/NDF : 1570522165.5/15

Left Out: 30.474+/-0.000 χ^2/NDF : 579061433.1/6

Right Out: 31.676+/-0.000 χ^2/NDF : 919678295.7/18

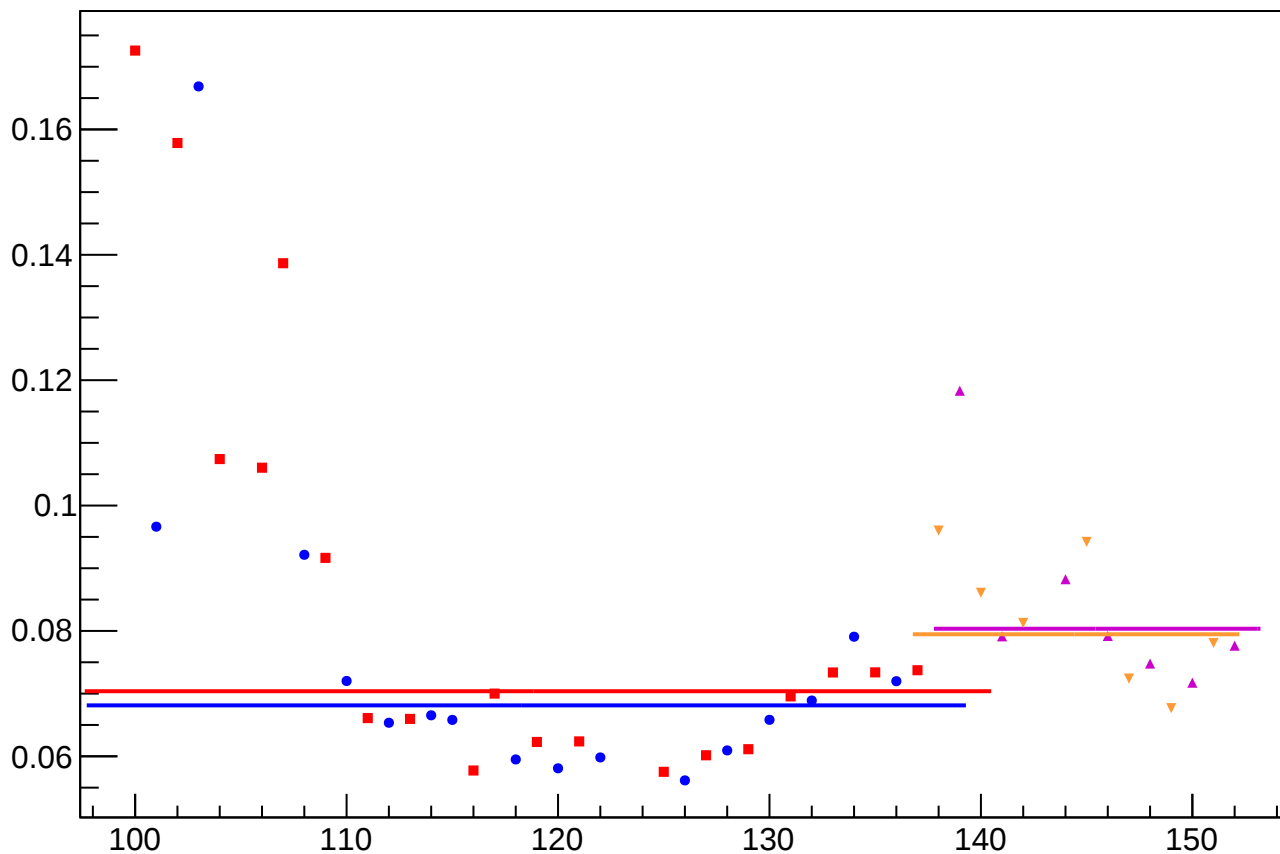
Left In: 30.585+/-0.000 χ^2/NDF : 560688993.7/6

31.352+/-0.000 χ^2/NDF : 3013641531.8/22

31.297+/-0.000 χ^2/NDF : 5071645403.0/4

31.244+/-0.000 χ^2/NDF : 2046591391.1/25

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068+/-0.000 χ^2/NDF : 629767.4/15

Left Out: 0.079+/-0.000 χ^2/NDF : 140779.3/6

Right Out: 0.070+/-0.000 χ^2/NDF : 841322.7/18

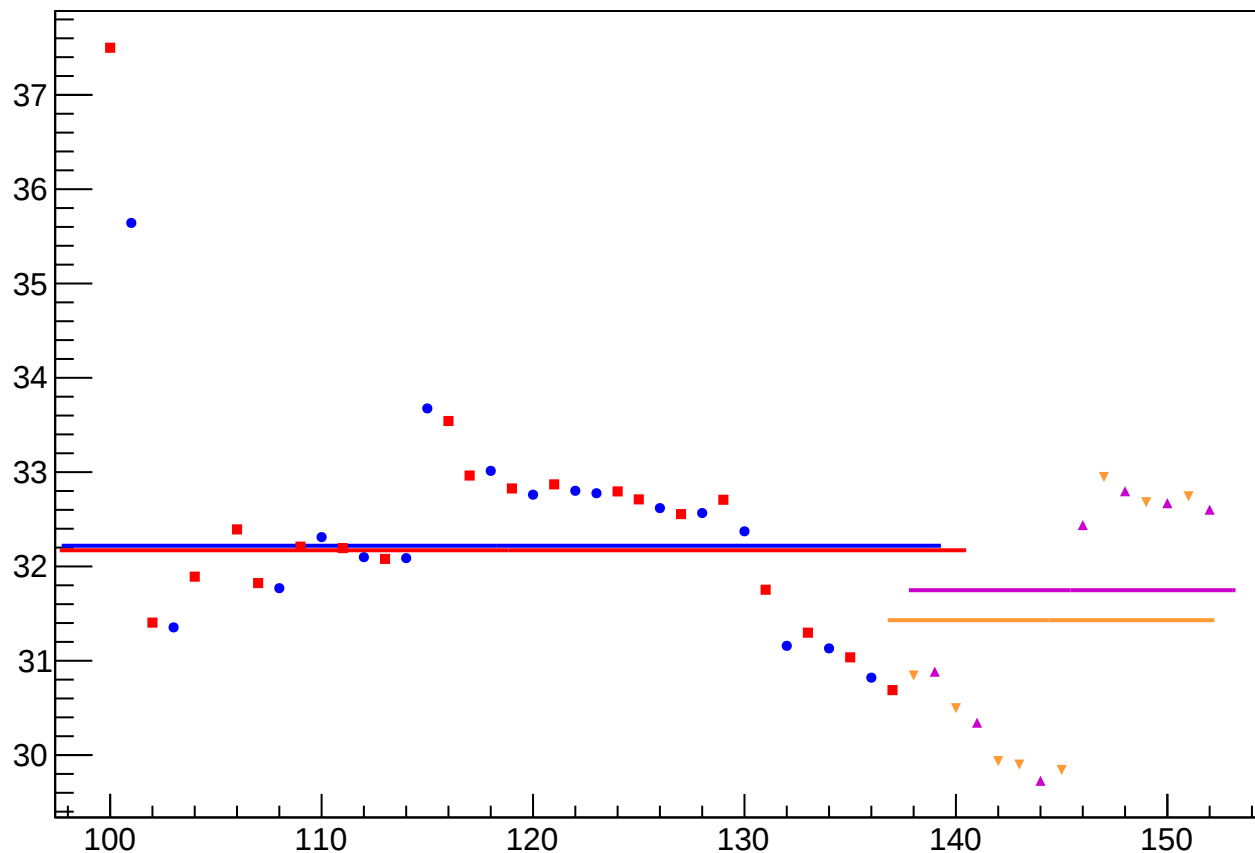
Left In: 0.080+/-0.000 χ^2/NDF : 189128.5/6

0.072+/-0.000 χ^2/NDF : 887103.9/22

0.073+/-0.000 χ^2/NDF : 2020618.4/48

0.074+/-0.000 χ^2/NDF : 1125041.2/25

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

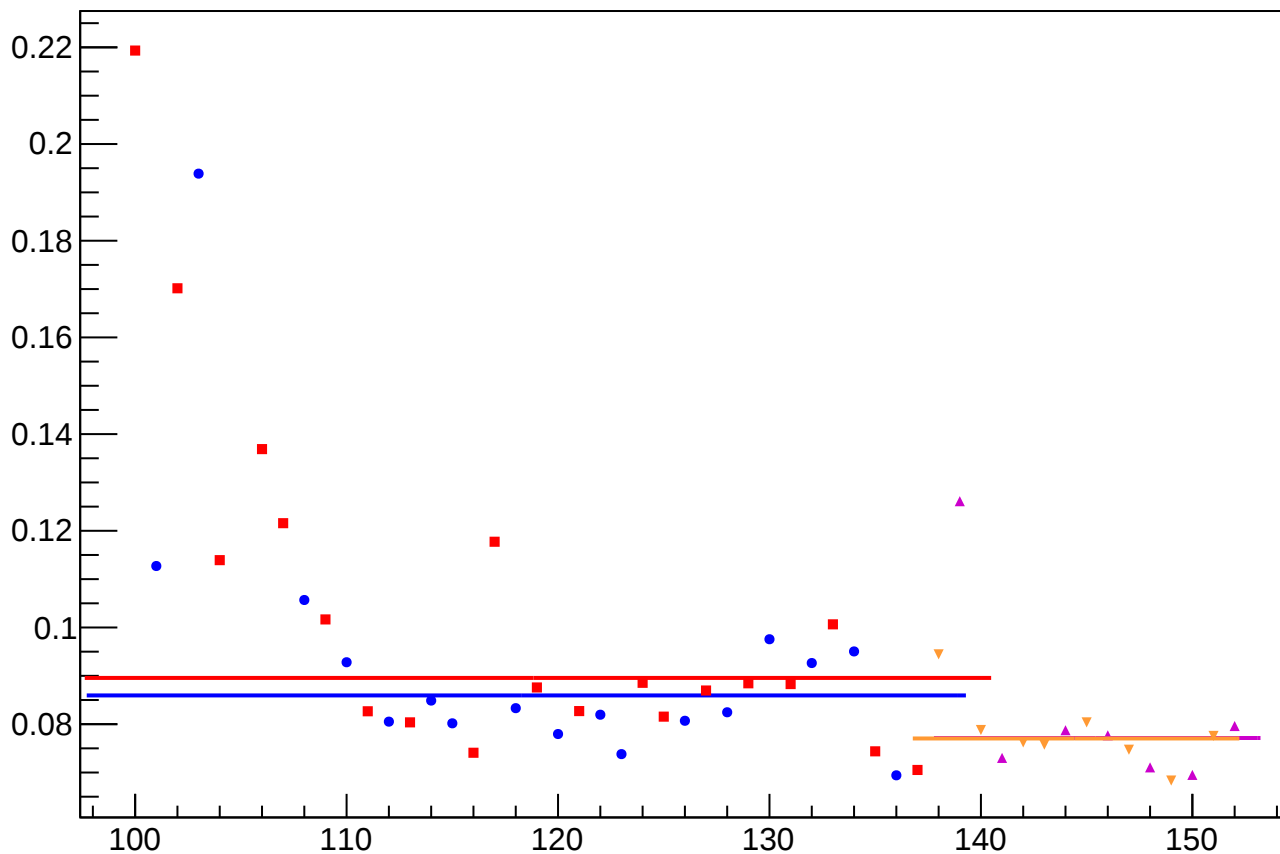
Left In: 31.748+/-0.000 χ^2/NDF : 1284413921.5/6

31.805+/-0.000 χ^2/NDF : 2799077423.5/24

31.876+/-0.000 χ^2/NDF : 4617367561.0/5

31.947+/-0.000 χ^2/NDF : 1801793364.5/26

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086 $\pm$ 0.000 χ^2/NDF : 553280.3/16

Left Out: 0.077 $\pm$ 0.000 χ^2/NDF : 74393.6/7

Right Out: 0.090 $\pm$ 0.000 χ^2/NDF : 544516.7/19

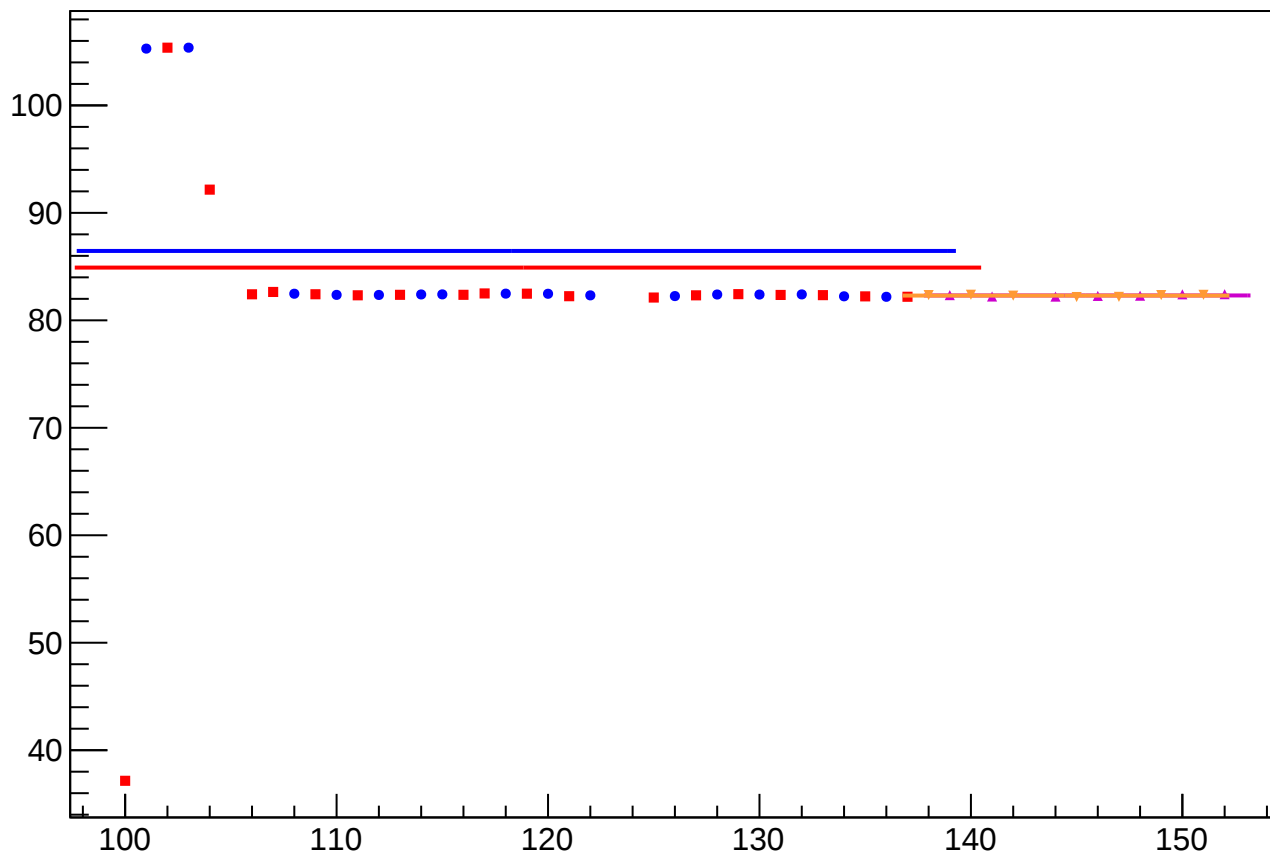
Left In: 0.077 $\pm$ 0.000 χ^2/NDF : 249922.5/6

0.081 $\pm$ 0.000 χ^2/NDF : 692936.6/24

0.082 $\pm$ 0.000 χ^2/NDF : 1618347.0/51

0.083 $\pm$ 0.000 χ^2/NDF : 920650.4/26

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

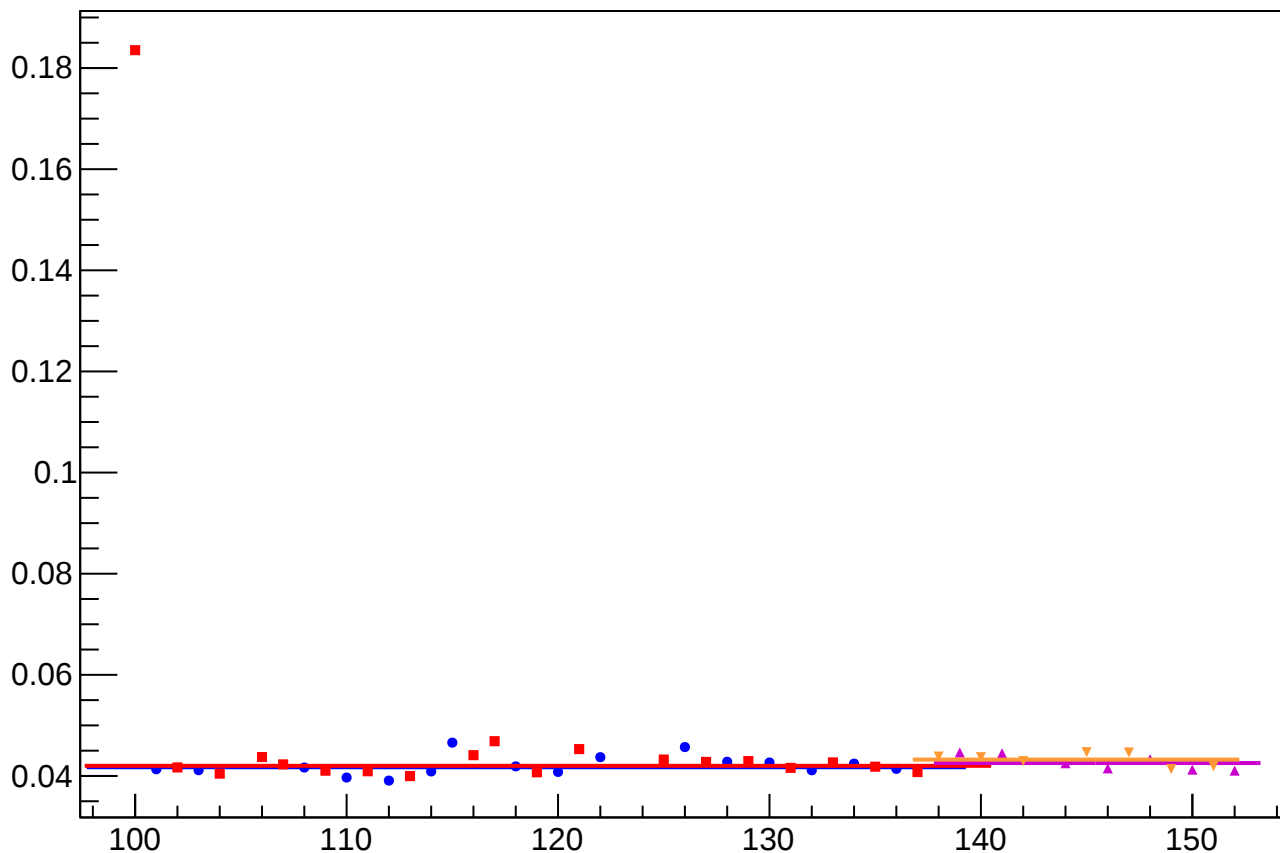
Left In: 82.315 $\pm$ 0.000 χ^2/NDF : 23118269.3/6

84.722 $\pm$ 0.000 χ^2/NDF : 318584040397.6/22

84.218 $\pm$ 0.000 χ^2/NDF : 505779092506.2

83.756 $\pm$ 0.000 χ^2/NDF : 184046239027.9/25

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

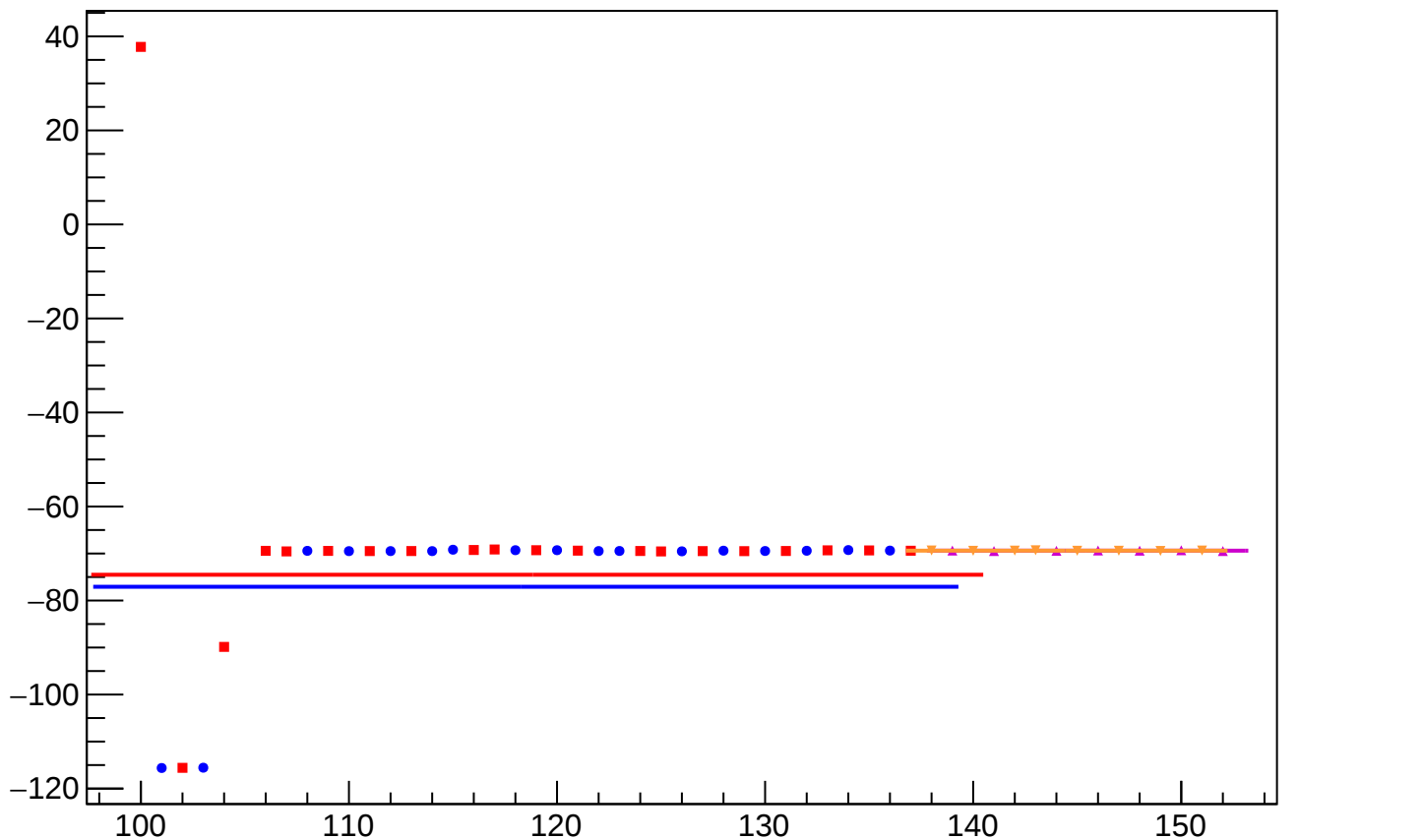
Left In: 0.043+/-0.000 χ^2/NDF : 11668.7/6

0.042+/-0.000 χ^2/NDF : 34477.6/22

0.042+/-0.000 χ^2/NDF : 145064.3/48

0.042+/-0.000 χ^2/NDF : 110507.1/25

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

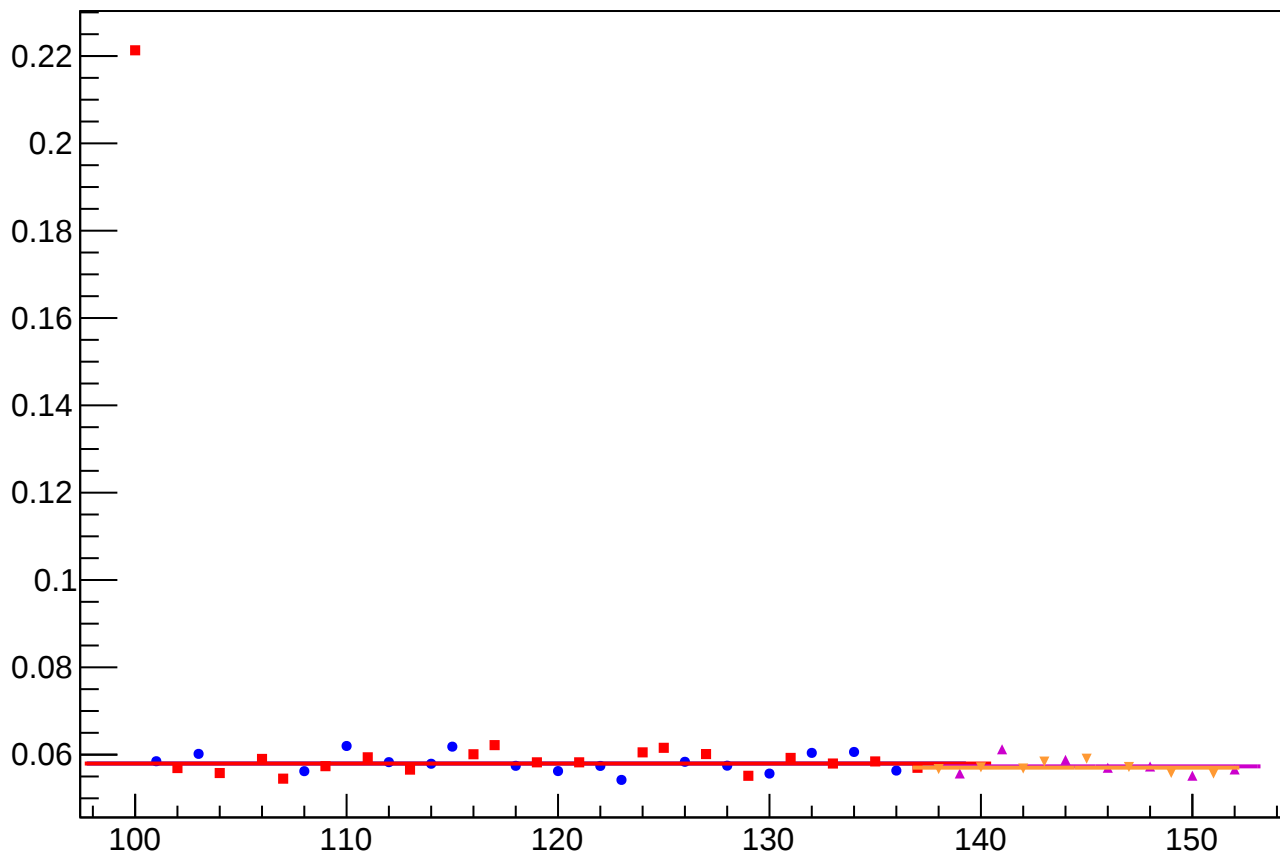
Left In: -69.395 $\pm$ 0.000 χ^2/NDF : 5513388.5/6

-73.442 $\pm$ 0.000 χ^2/NDF : 618833581106.1/24

-72.816 $\pm$ 0.000 χ^2/NDF : 101815616853.1/24

-72.208 $\pm$ 0.000 χ^2/NDF : 396515302067.5/26

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058 $\pm$ 0.000 χ^2 /NDF: 12275.6/16

Left Out: 0.057 $\pm$ 0.000 χ^2 /NDF:4228.6/7

Right Out: 0.058 $\pm$ 0.000 χ^2 /NDF: 86860.7/19

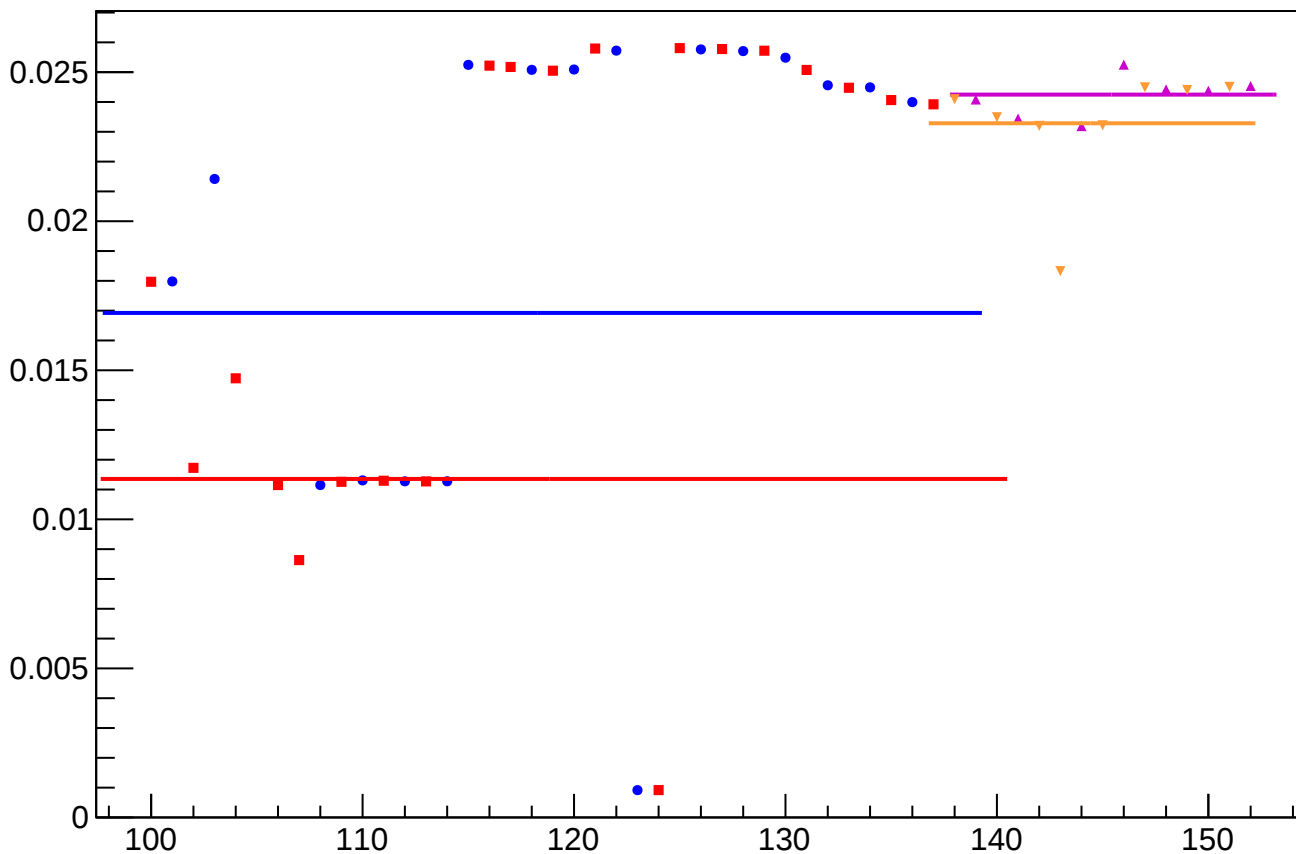
Left In: 0.057 $\pm$ 0.000 χ^2 /NDF:11720.4/6

0.058 $\pm$ 0.000 χ^2 /NDF: 18116.6/24

0.058 $\pm$ 0.000 χ^2 /NDF: 117547.3/51

0.058 $\pm$ 0.000 χ^2 /NDF: 99349.8/26

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

Right Out: 0.011 $\pm$ 0.000 χ^2/NDF : 235754579473.9/19

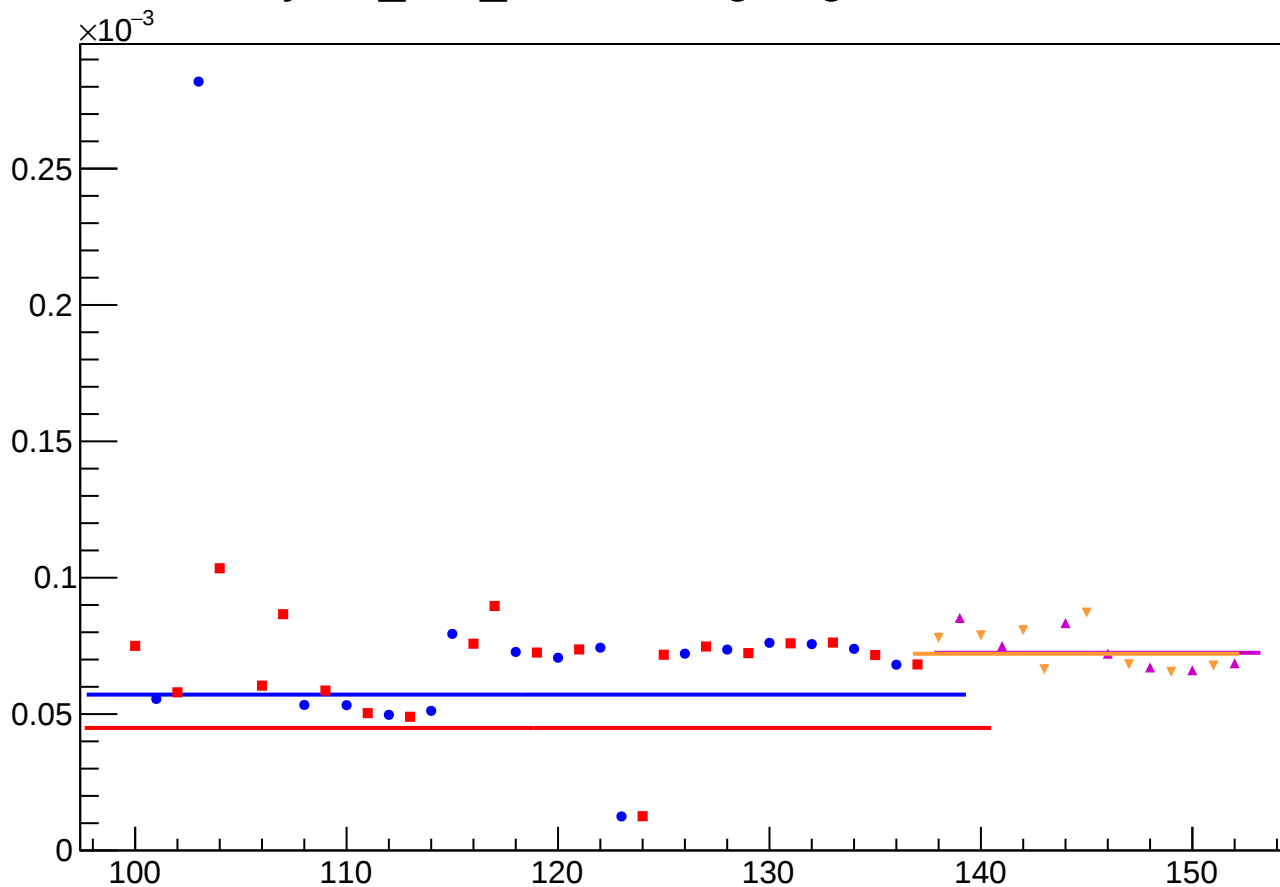
Left In: 0.024 $\pm$ 0.000 χ^2/NDF : 405214253.9/6

0.019 $\pm$ 0.000 χ^2/NDF : 157221502357.4/24

0.017 $\pm$ 0.000 χ^2/NDF : 541143432216.3/19

0.015 $\pm$ 0.000 χ^2/NDF : 358287103983.4/26

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

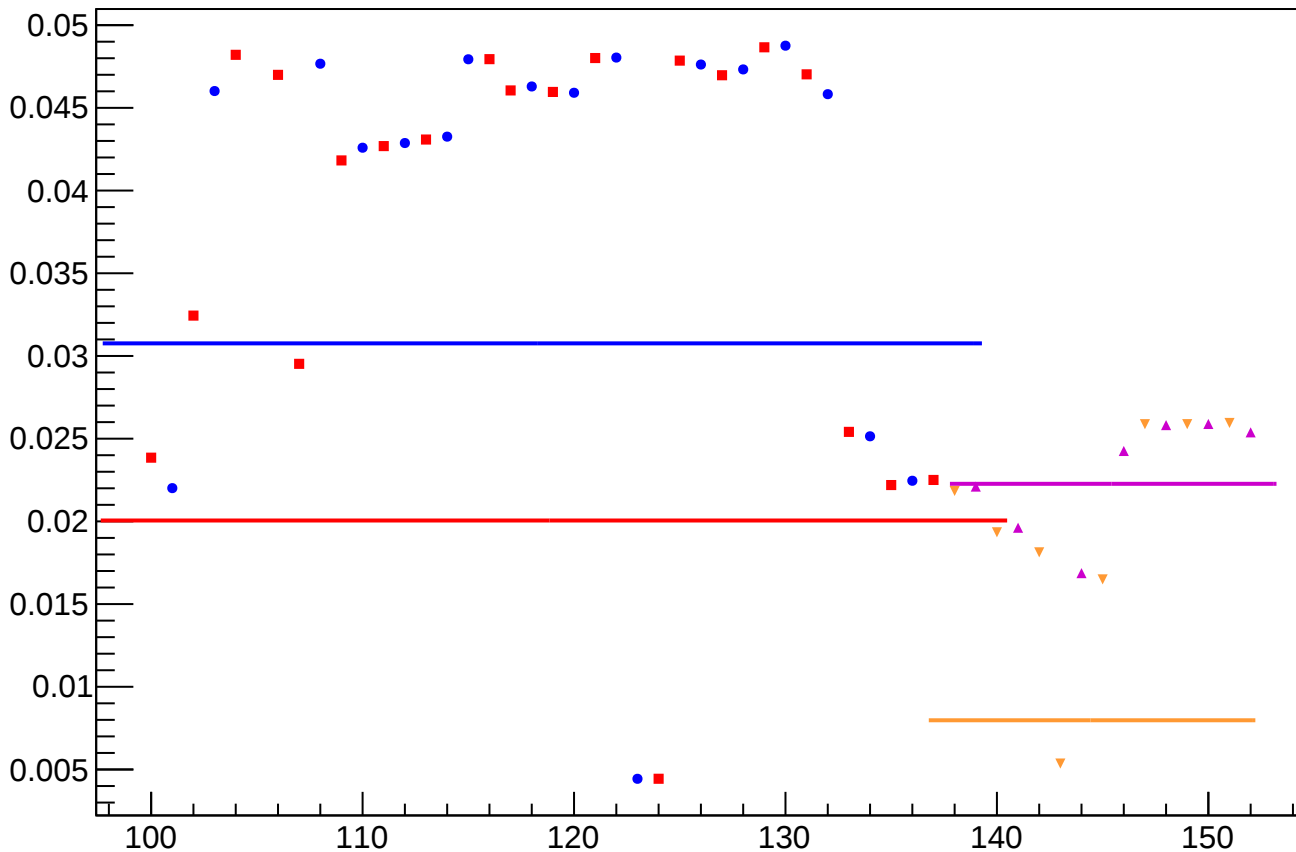
Left In: 0.000+/-0.000 χ^2/NDF :93304.4/6

0.000+/-0.000 χ^2/NDF : 2402061.5/24

0.000+/-0.000 χ^2/NDF : 7506031.1/51

0.000+/-0.000 χ^2/NDF : 4821809.0/26

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.031 $\pm$ 0.000 χ^2/NDF : 21174738549.0/16

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 16032384303.3/7

Right Out: 0.020 $\pm$ 0.000 χ^2/NDF : 40133684916.8/19

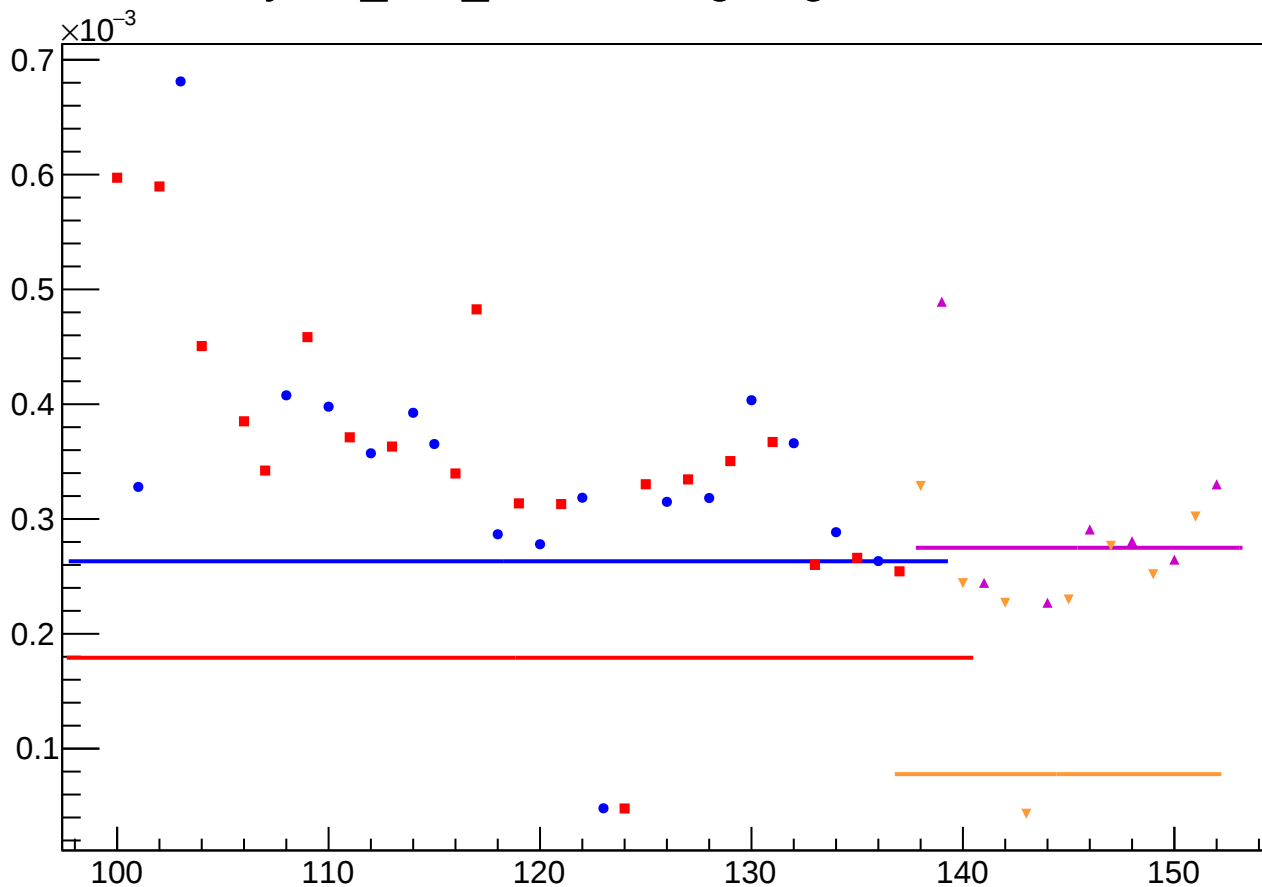
Left In: 0.022 $\pm$ 0.000 χ^2/NDF : 896873042.0/6

0.011 $\pm$ 0.000 χ^2/NDF : 68601315550.6/24

0.014 $\pm$ 0.000 χ^2/NDF : 122044098900.4/24

0.021 $\pm$ 0.000 χ^2/NDF : 41240130251.0/26

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

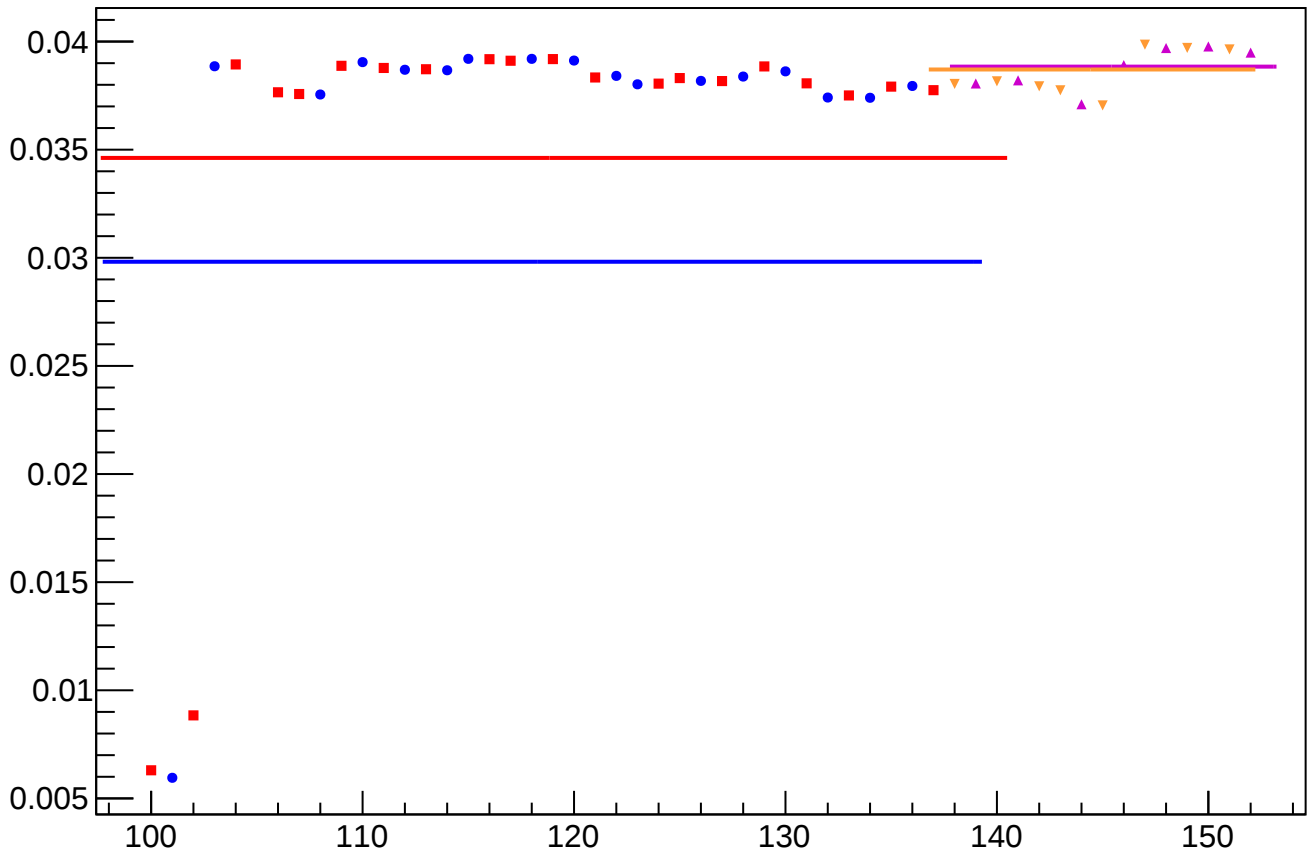
Left In: 0.000+/-0.000 χ^2/NDF : 412011.6/6

0.000+/-0.000 χ^2/NDF : 11920753.8/24

0.000+/-0.000 χ^2/NDF : 21669542.5/51

0.000+/-0.000 χ^2/NDF : 6568569.2/26

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

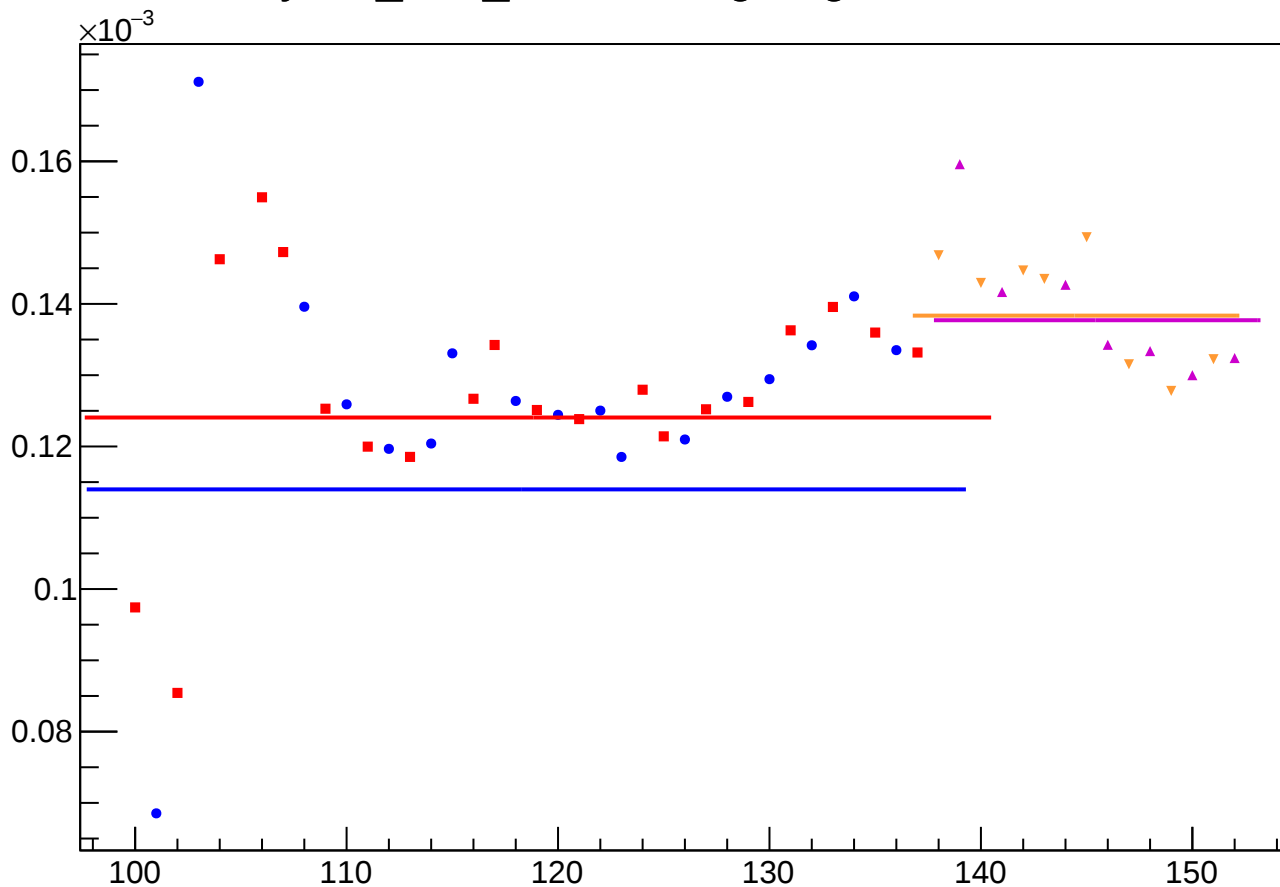
Left In: 0.039 $\pm$ 0.000 χ^2 /NDF:251793733.5/6

0.033 $\pm$ 0.000 χ^2 /NDF: 111653283113.6/24

0.035 $\pm$ 0.000 χ^2 /NDF: 162354035530.6/

0.036 $\pm$ 0.000 χ^2 /NDF: 47086413254.8/26

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

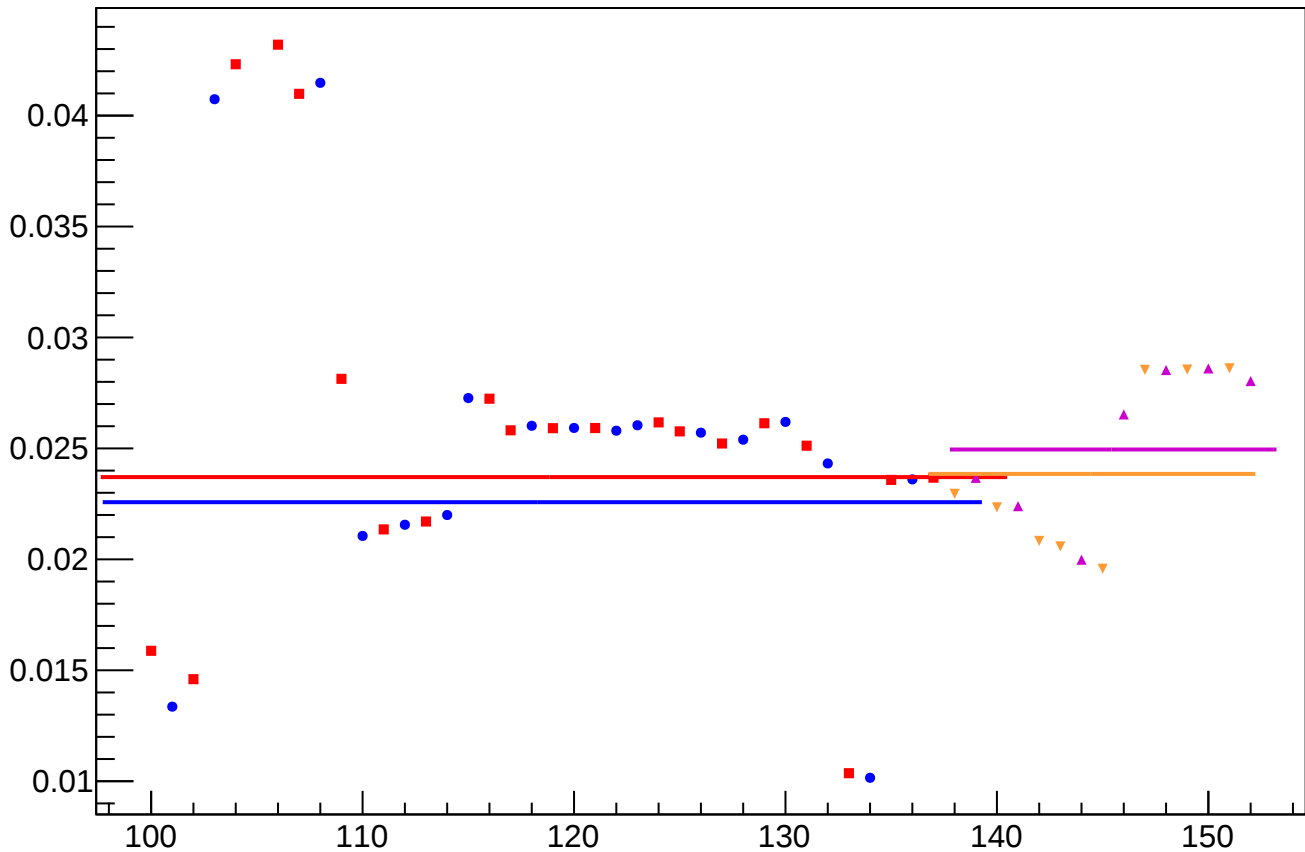
Left In: 0.000+/-0.000 χ^2/NDF : 41395.2/6

0.000+/-0.000 χ^2/NDF : 1043706.2/24

0.000+/-0.000 χ^2/NDF : 1425380.8/51

0.000+/-0.000 χ^2/NDF : 352183.5/26

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

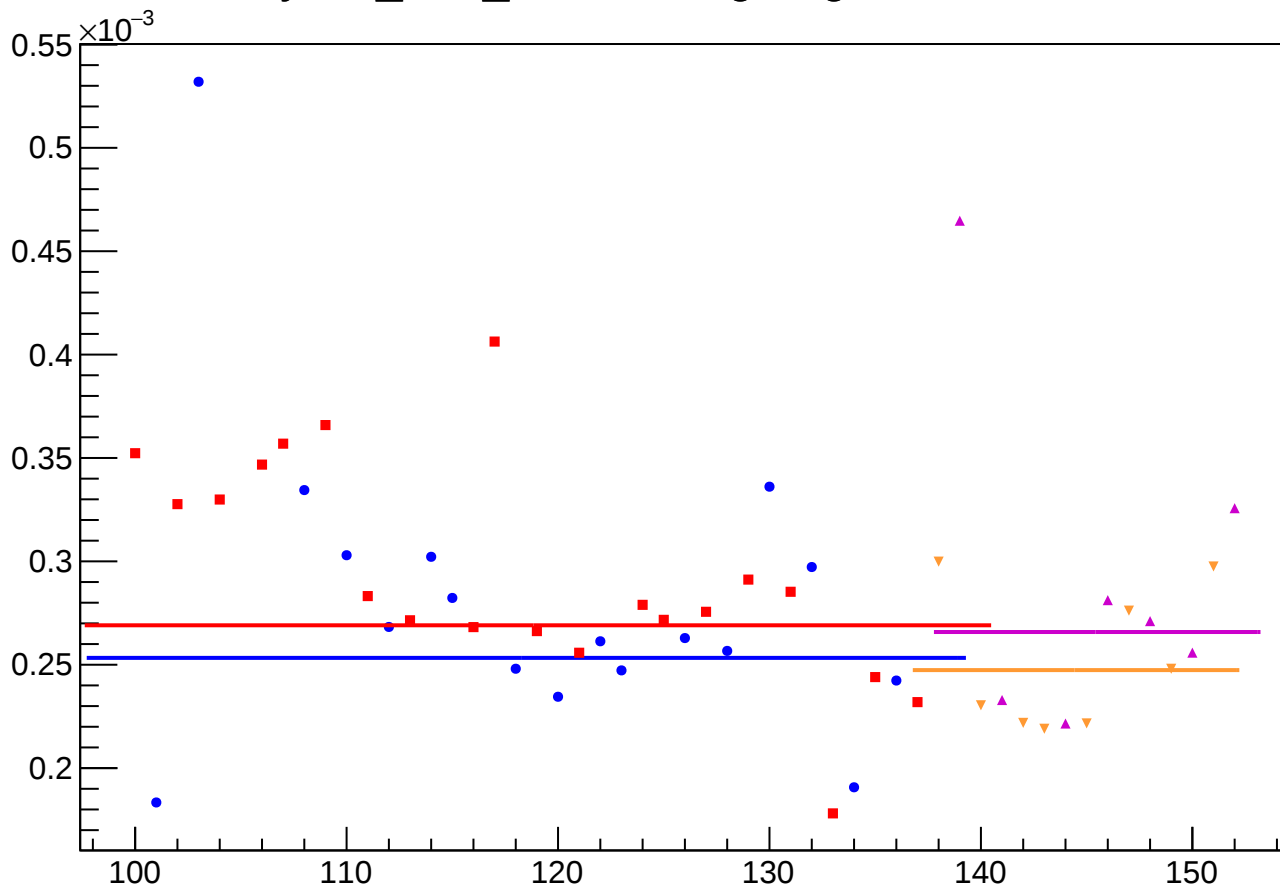
Left In: 0.025+/-0.000 χ^2/NDF : 876523287.1/6

0.023+/-0.000 χ^2/NDF : 5467056678.2/24

0.024+/-0.000 χ^2/NDF : 12154779201.9/5

0.024+/-0.000 χ^2/NDF : 6589517713.3/26

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

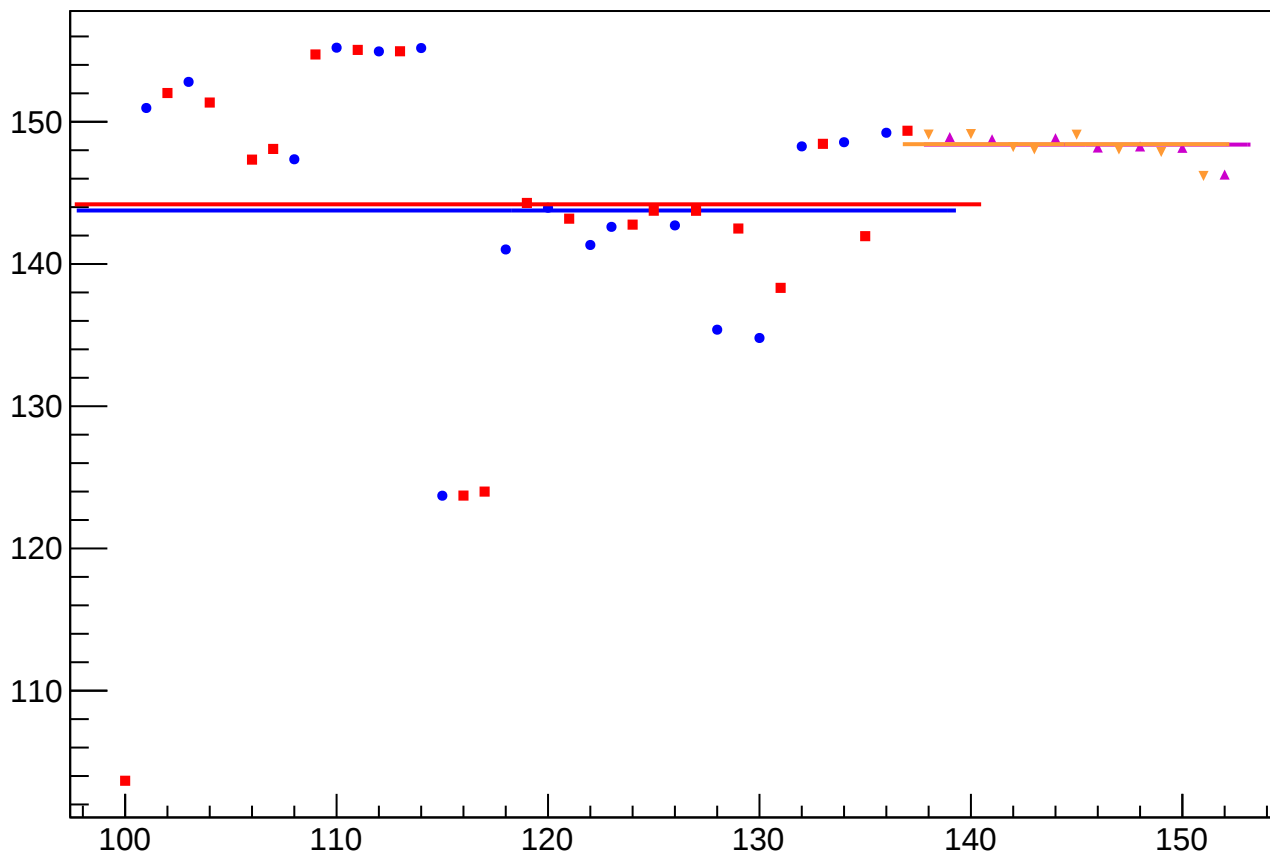
Left In: 0.000+/-0.000 χ^2/NDF : 409314.9/6

0.000+/-0.000 χ^2/NDF : 783291.8/24

0.000+/-0.000 χ^2/NDF : 1679222.4/51

0.000+/-0.000 χ^2/NDF : 847850.4/26

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

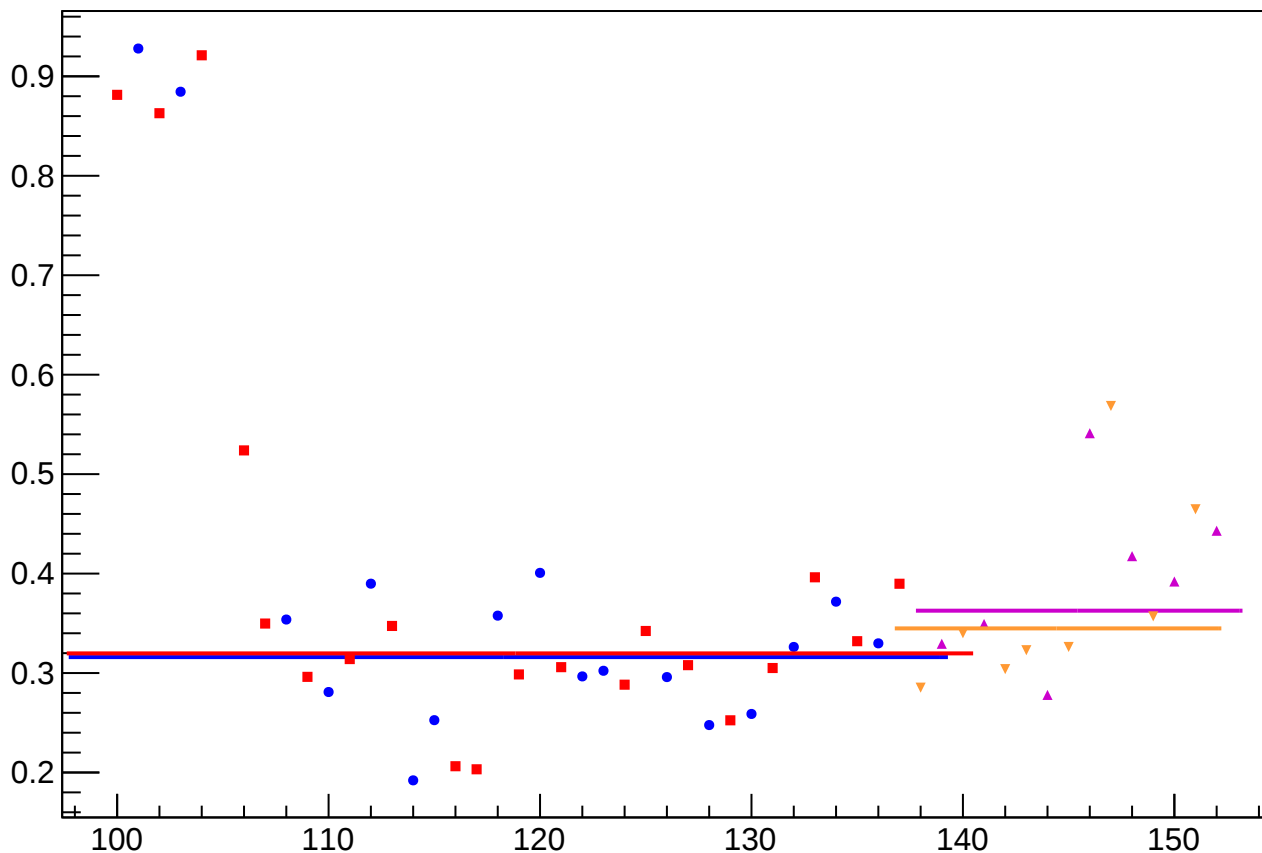
Left In: 148.396 $\pm$ 0.000 χ^2 /NDF: 23069731.4/6

145.838 $\pm$ 0.000 χ^2 /NDF: 4103411234.3/24

145.883 $\pm$ 0.000 χ^2 /NDF: 9068212530.8/24

145.929 $\pm$ 0.000 χ^2 /NDF: 4964393494.1/26

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.316+/-0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.345+/-0.000 χ^2/NDF : 416302.6/7

Right Out: 0.320+/-0.000 χ^2/NDF : 1241752.3/19

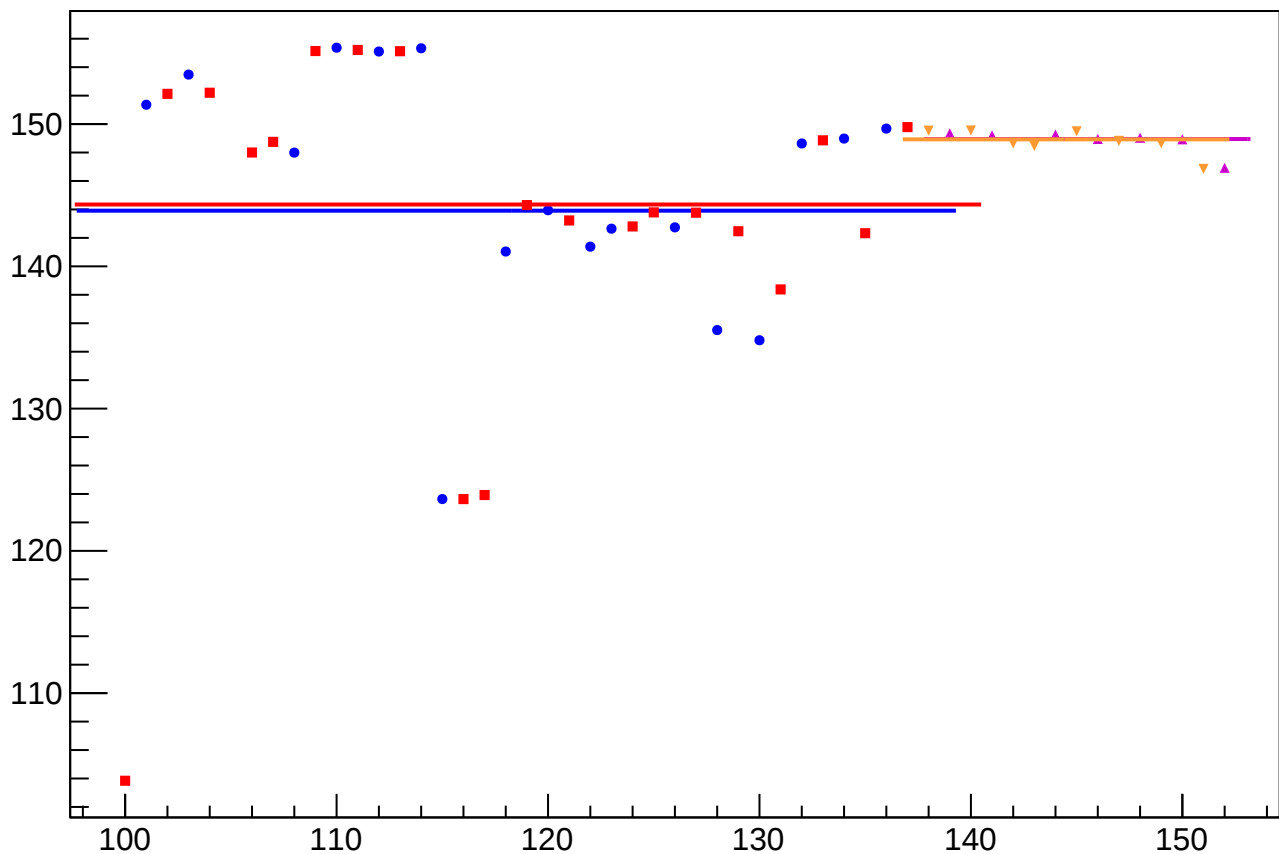
Left In: 0.363+/-0.000 χ^2/NDF : 430839.5/6

0.329+/-0.000 χ^2/NDF : 1723437.4/24

0.333+/-0.000 χ^2/NDF : 3490799.8/51

0.337+/-0.000 χ^2/NDF : 1760041.1/26

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

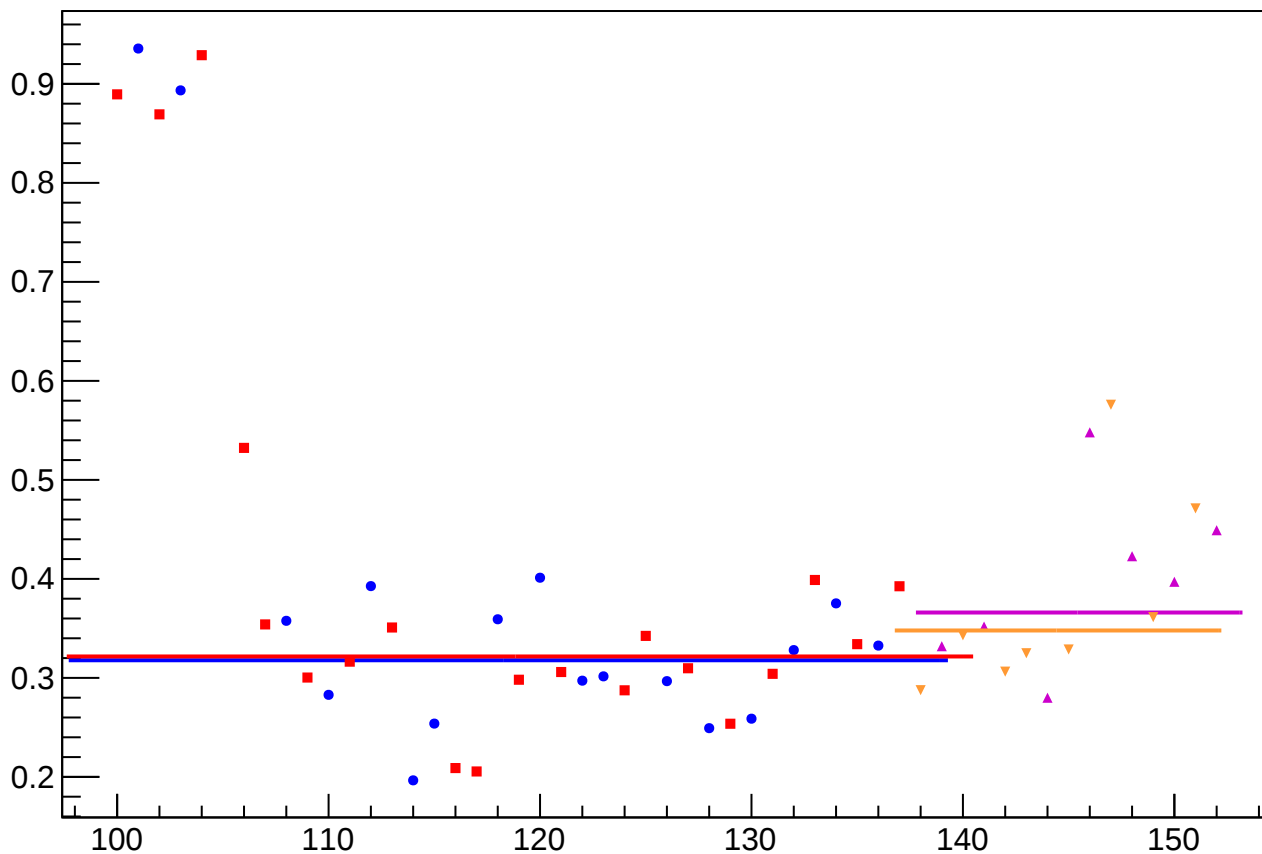
Left In: 148.950 $\pm$ 0.000 χ^2 /NDF: 18358152.5/6

146.136 $\pm$ 0.000 χ^2 /NDF: 4225262542.5/24

146.185 $\pm$ 0.000 χ^2 /NDF: 9289056789.6/24

146.237 $\pm$ 0.000 χ^2 /NDF: 5063295328.8/26

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

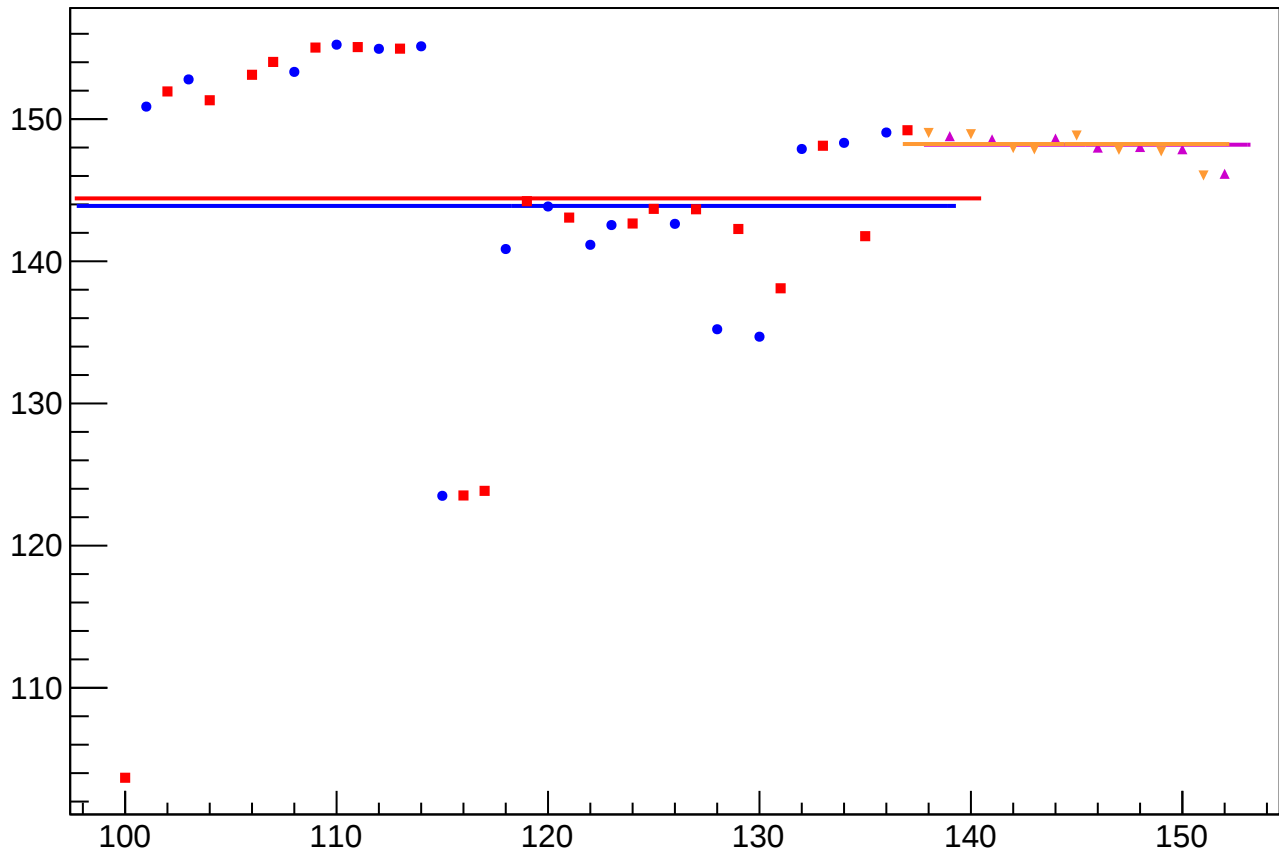
Left In: 0.366 $\pm$ 0.000 χ^2/NDF : 441029.2/6

0.331 $\pm$ 0.000 χ^2/NDF : 1736418.6/24

0.335 $\pm$ 0.000 χ^2/NDF : 3521100.2/51

0.340 $\pm$ 0.000 χ^2/NDF : 1777267.0/26

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.893 +/- 0.000 χ^2/NDF : 3752655677.2/16

Left Out: 148.247 +/- 0.000 χ^2/NDF : 30752653.4/7

Right Out: 144.423 +/- 0.000 χ^2/NDF : 4819194675.6/19

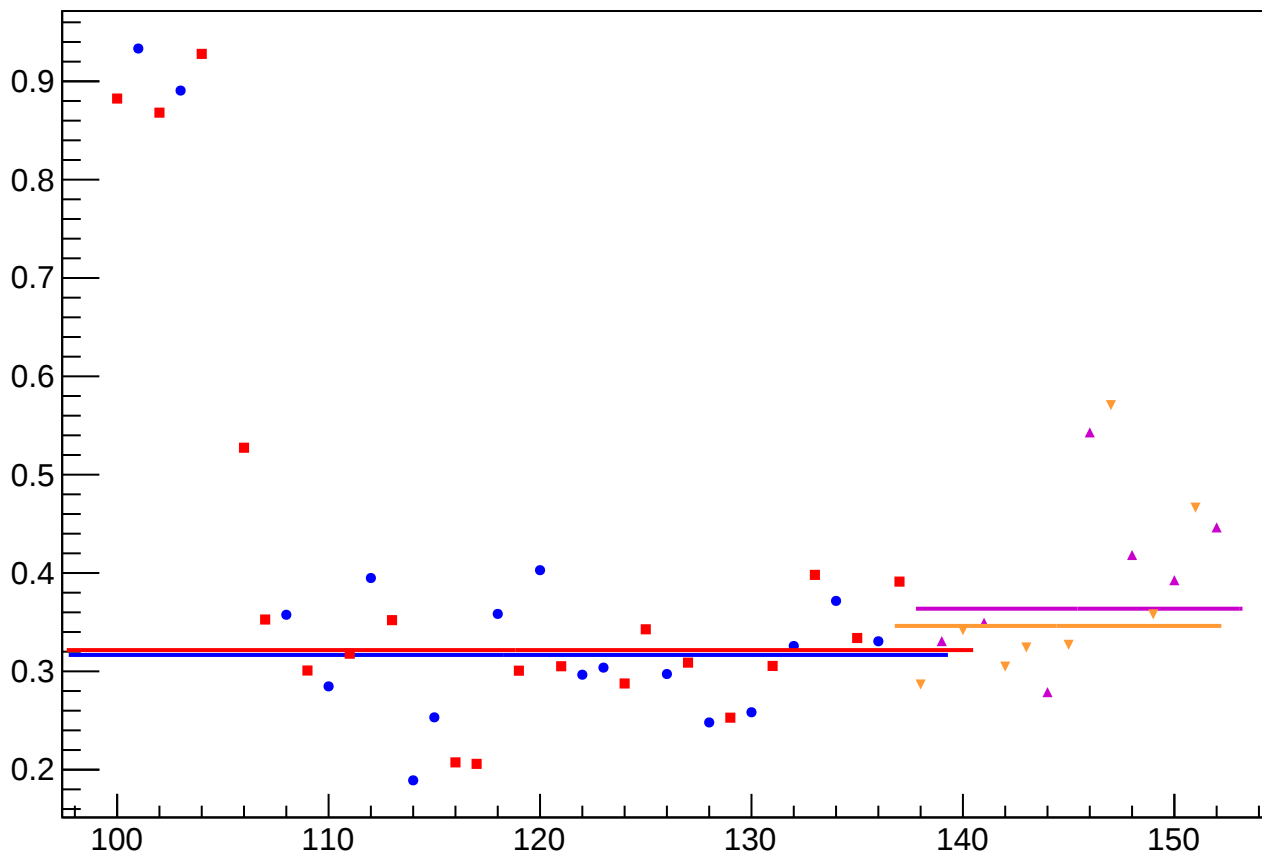
Left In: 148.199 +/- 0.000 χ^2/NDF : 22482055.2/6

145.829 +/- 0.000 χ^2/NDF : 4249380837.0/24

145.907 +/- 0.000 χ^2/NDF : 9427666062.4/24

145.986 +/- 0.000 χ^2/NDF : 5177086665.1/26

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317 $\pm$ 0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.346 $\pm$ 0.000 χ^2/NDF : 415985.7/7

Right Out: 0.322 $\pm$ 0.000 χ^2/NDF : 1244671.1/19

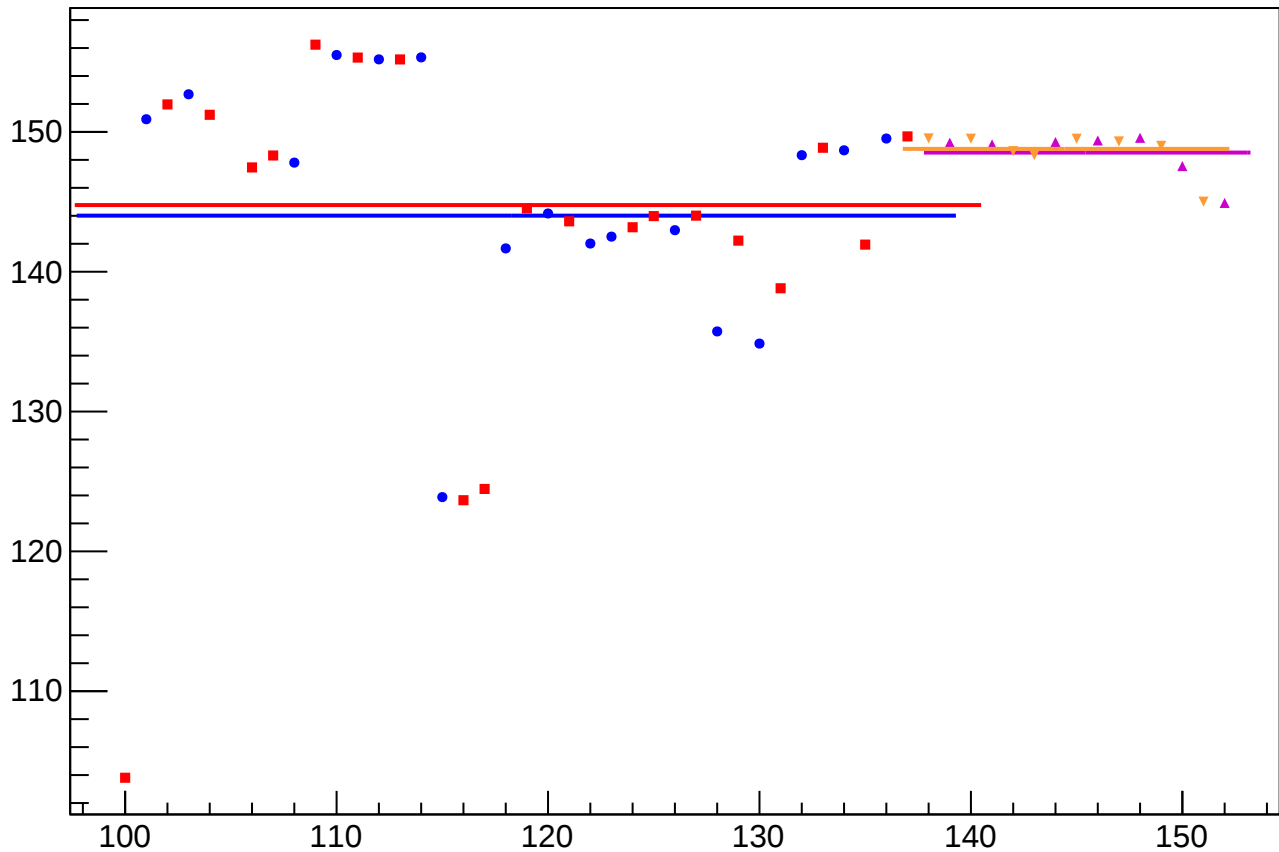
Left In: 0.364 $\pm$ 0.000 χ^2/NDF : 432764.9/6

0.330 $\pm$ 0.000 χ^2/NDF : 1739139.6/24

0.334 $\pm$ 0.000 χ^2/NDF : 3508249.1/51

0.339 $\pm$ 0.000 χ^2/NDF : 1760756.7/26

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.012 +/- 0.000 χ^2/NDF : 3241696920.3/16

Left Out: 148.788 +/- 0.000 χ^2/NDF : 60967167.9/7

Right Out: 144.767 +/- 0.000 χ^2/NDF : 4097482970.1/19

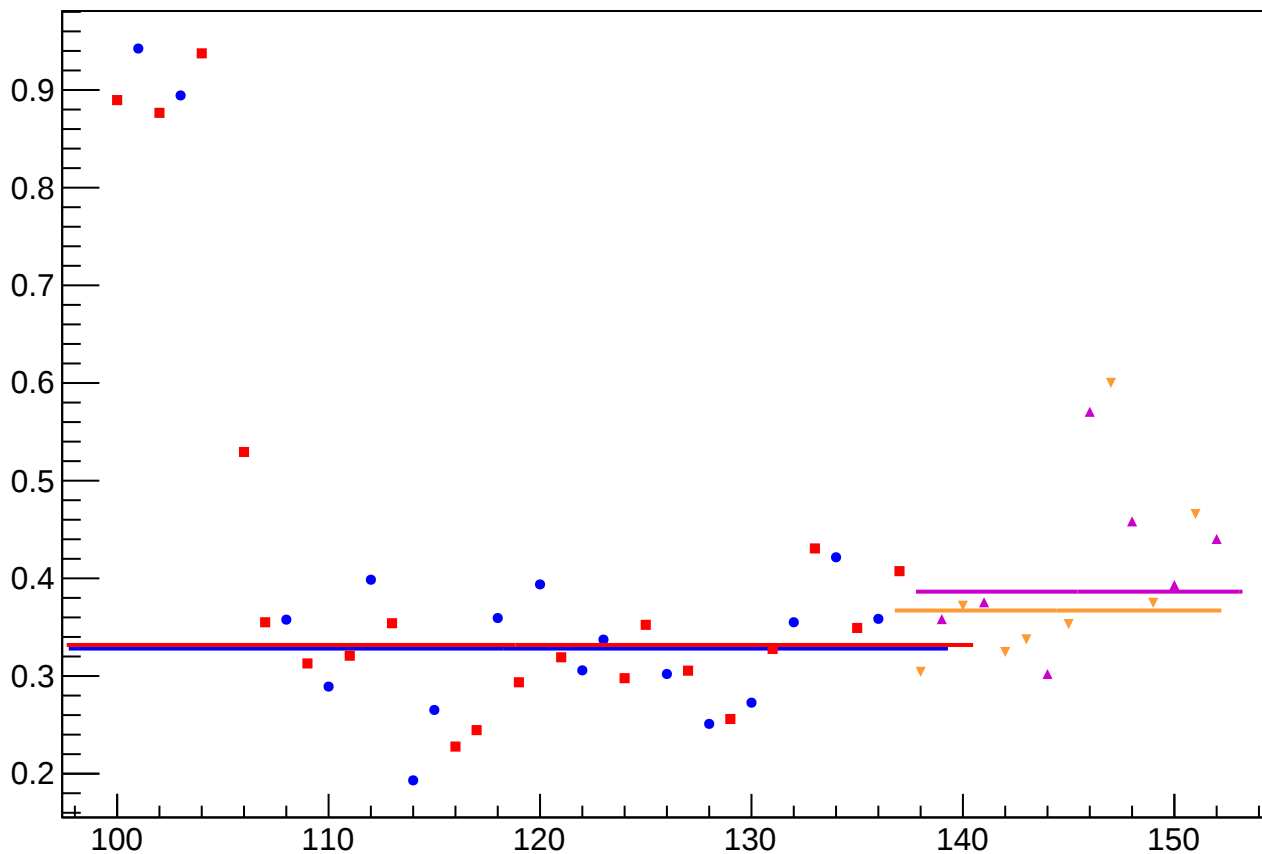
Left In: 148.523 +/- 0.000 χ^2/NDF : 72940624.1/6

146.080 +/- 0.000 χ^2/NDF : 3809573421.5/24

146.175 +/- 0.000 χ^2/NDF : 8283243853.8/24

146.271 +/- 0.000 χ^2/NDF : 4472030892.1/26

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.328+/-0.000 χ^2/NDF : 1265892.9/16

Left Out: 0.367+/-0.000 χ^2/NDF : 373645.2/7

Right Out: 0.332+/-0.000 χ^2/NDF : 1194167.8/19

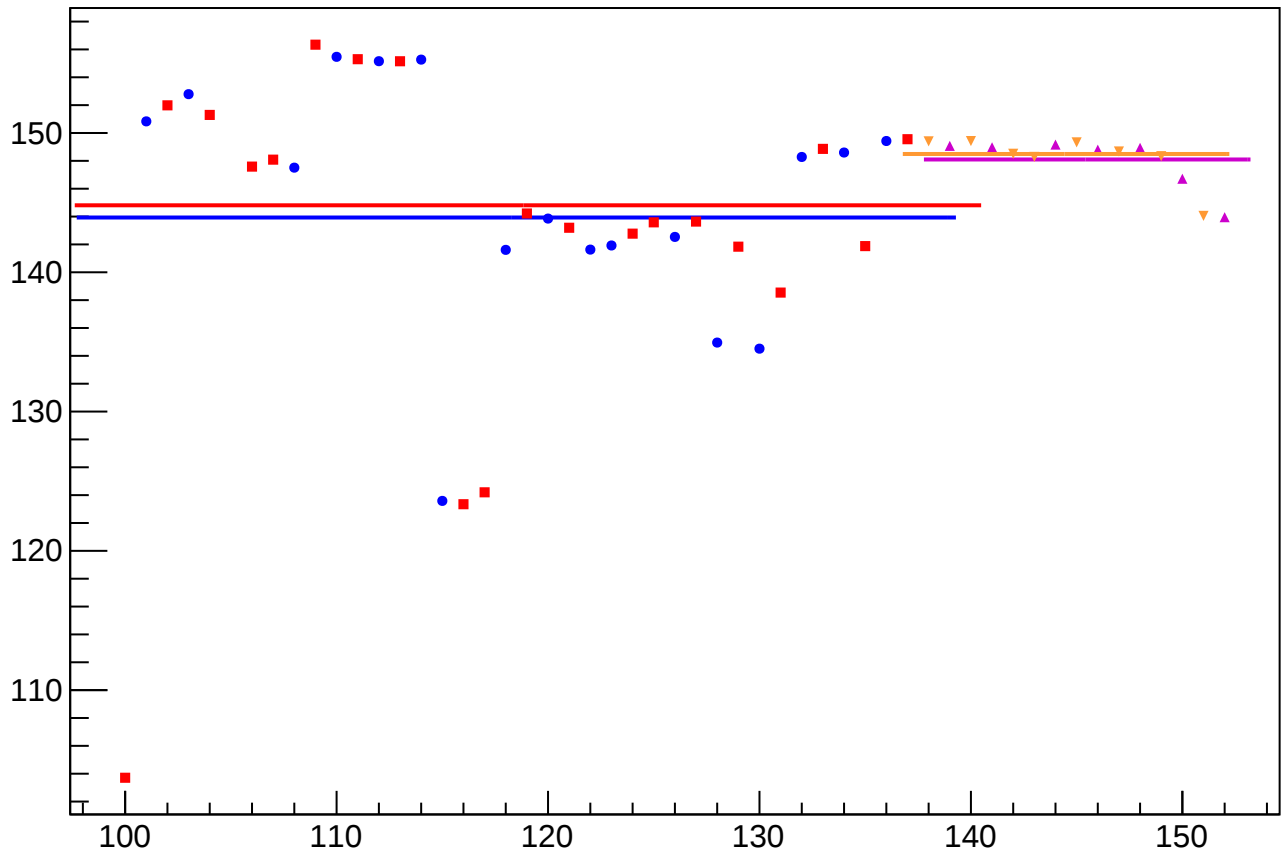
Left In: 0.386+/-0.000 χ^2/NDF : 363602.4/6

0.345+/-0.000 χ^2/NDF : 1706909.8/24

0.349+/-0.000 χ^2/NDF : 3398855.7/51

0.354+/-0.000 χ^2/NDF : 1685205.3/26

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

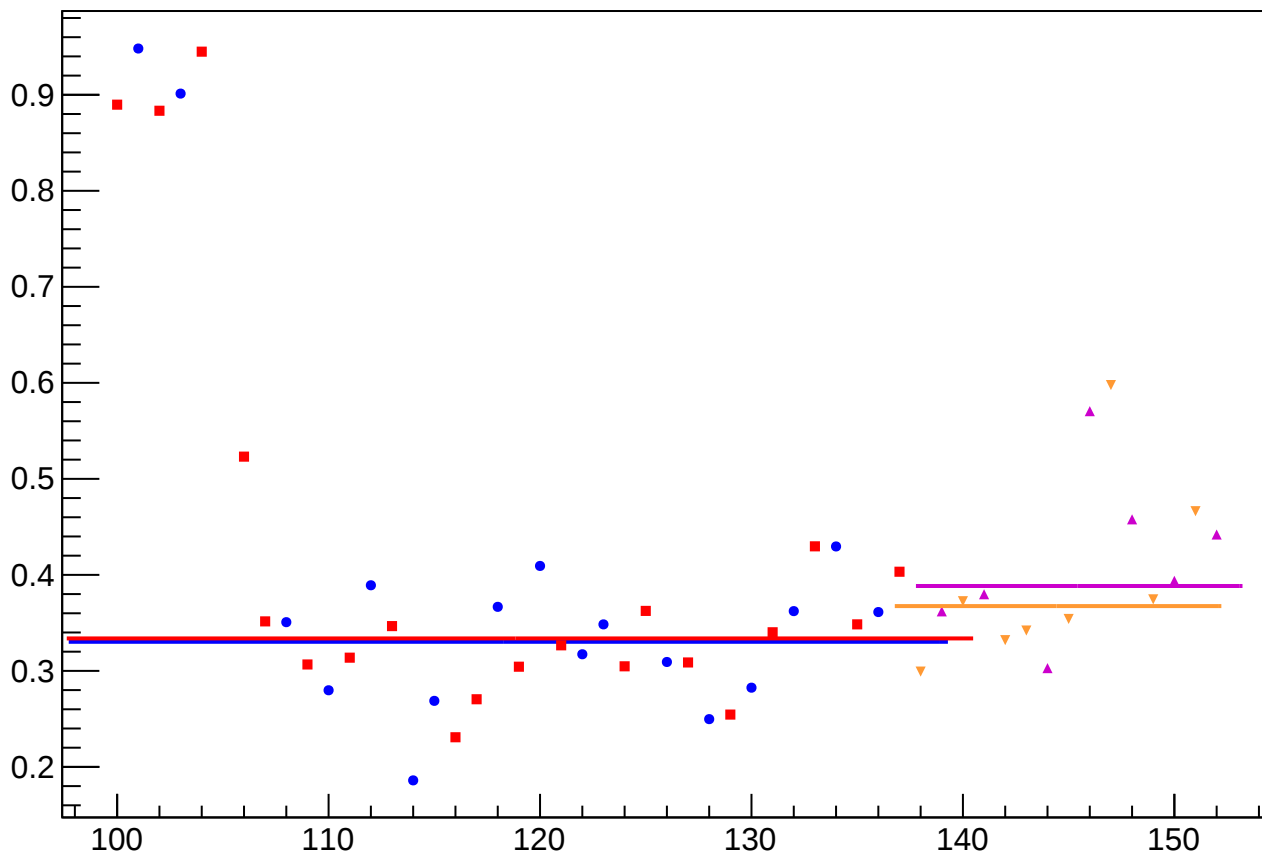
Left In: 148.098 $\pm$ 0.000 χ^2 /NDF: 102174044.2/6

145.920 $\pm$ 0.000 χ^2 /NDF: 3923316817.1/24

146.022 $\pm$ 0.000 χ^2 /NDF: 8393684759.5/24

146.126 $\pm$ 0.000 χ^2 /NDF: 4468483416.9/26

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

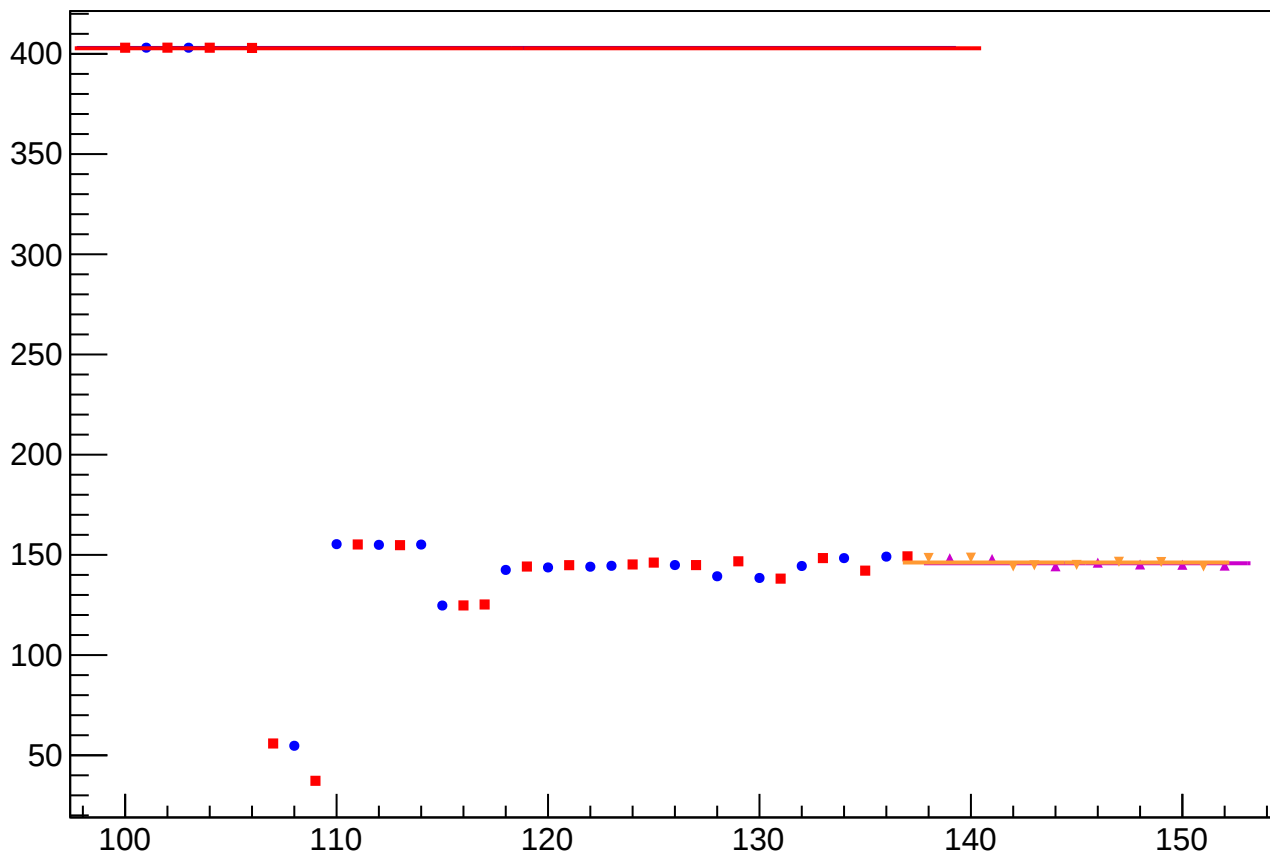
Left In: 0.388 $\pm$ 0.000 χ^2/NDF : 356669.9/6

0.347 $\pm$ 0.000 χ^2/NDF : 1719246.6/24

0.351 $\pm$ 0.000 χ^2/NDF : 3387082.2/51

0.356 $\pm$ 0.000 χ^2/NDF : 1660393.7/26

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

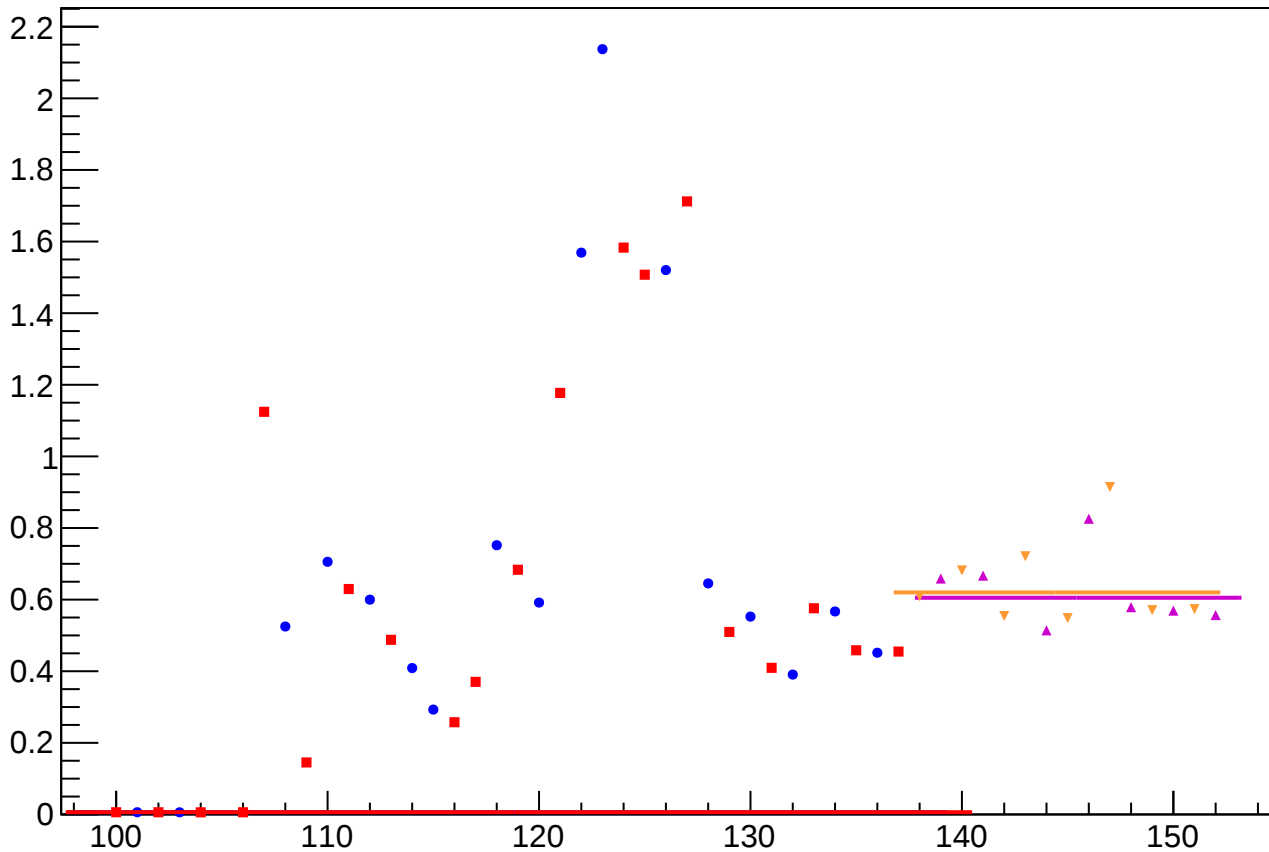
Left In: 145.814+/-0.000 χ^2/NDF : 23714770.1/6

402.877+/-0.000 χ^2/NDF : 1741901630083.0/24

402.794+/-0.000 χ^2/NDF : 555472506885

402.721+/-0.000 χ^2/NDF : 3812420369383.1/26

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

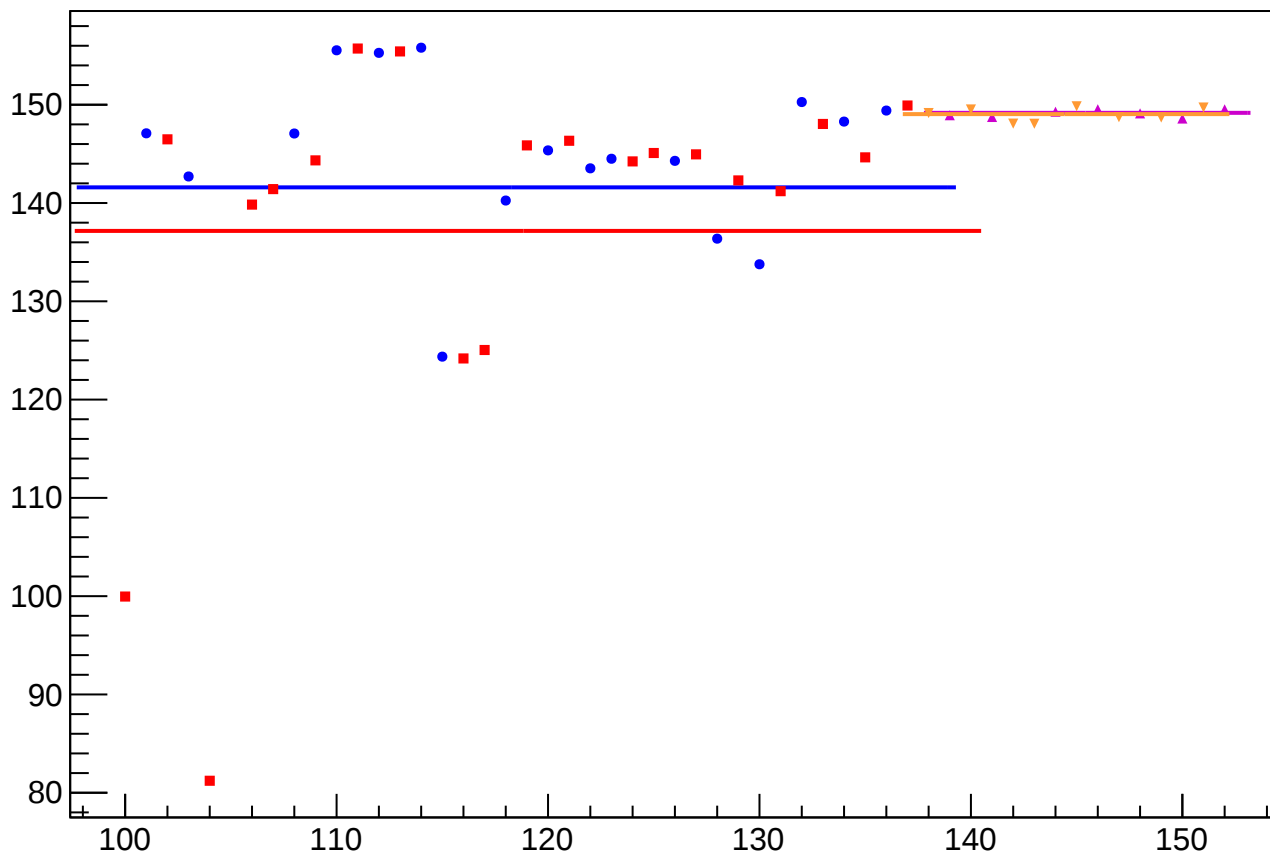
Left In: 0.605+/-0.000 χ^2/NDF : 141624.5/6

0.007+/-0.000 χ^2/NDF : 16645919.1/24

0.007+/-0.000 χ^2/NDF : 33557290.4/51

0.007+/-0.000 χ^2/NDF : 16911353.1/26

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.593 +/- 0.000 χ^2/NDF : 980101868.2/16

Left Out: 149.045 +/- 0.000 χ^2/NDF : 8208907.3/7

Right Out: 137.162 +/- 0.000 χ^2/NDF : 1366089515.6/19

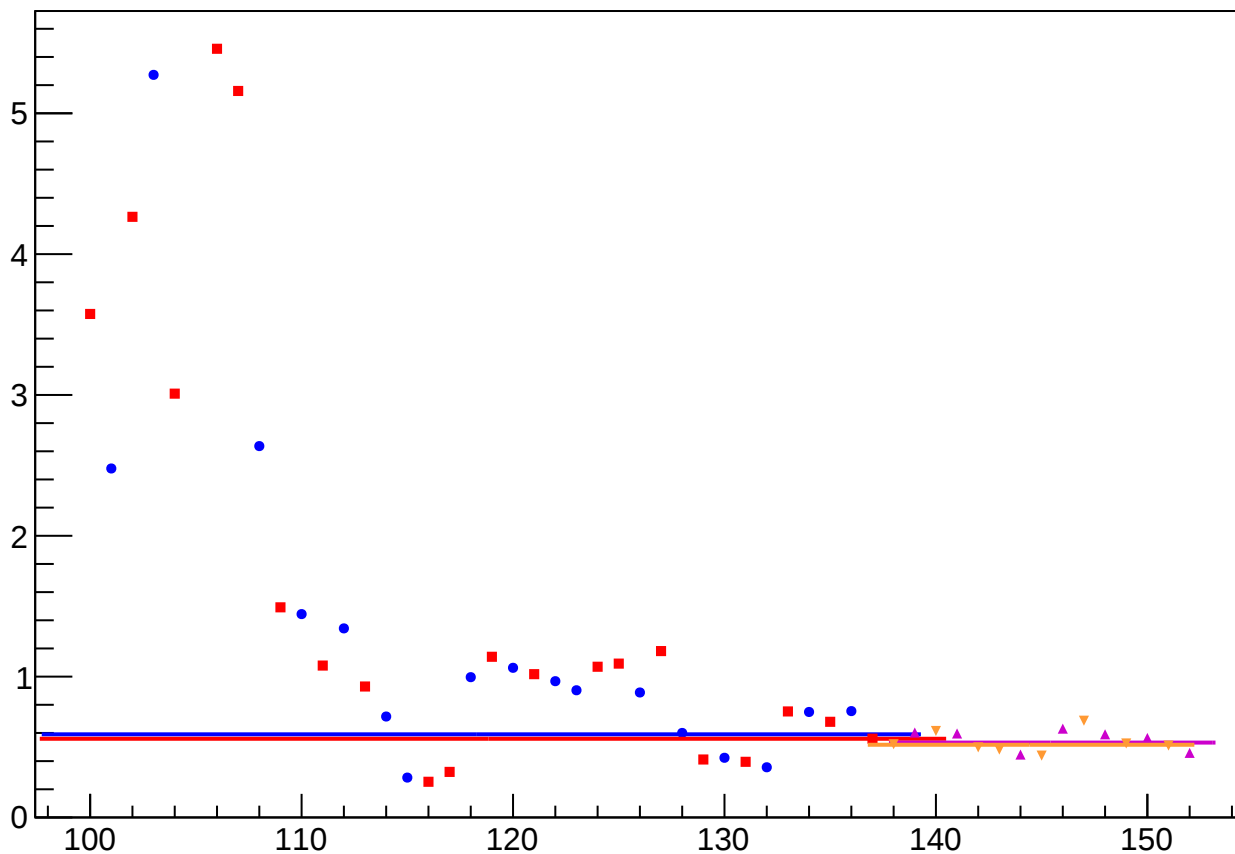
Left In: 149.175 +/- 0.000 χ^2/NDF : 1977985.1/6

146.300 +/- 0.000 χ^2/NDF : 1342358098.1/24

145.351 +/- 0.000 χ^2/NDF : 3712980267.2/26

144.408 +/- 0.000 χ^2/NDF : 2321419726.8/26

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

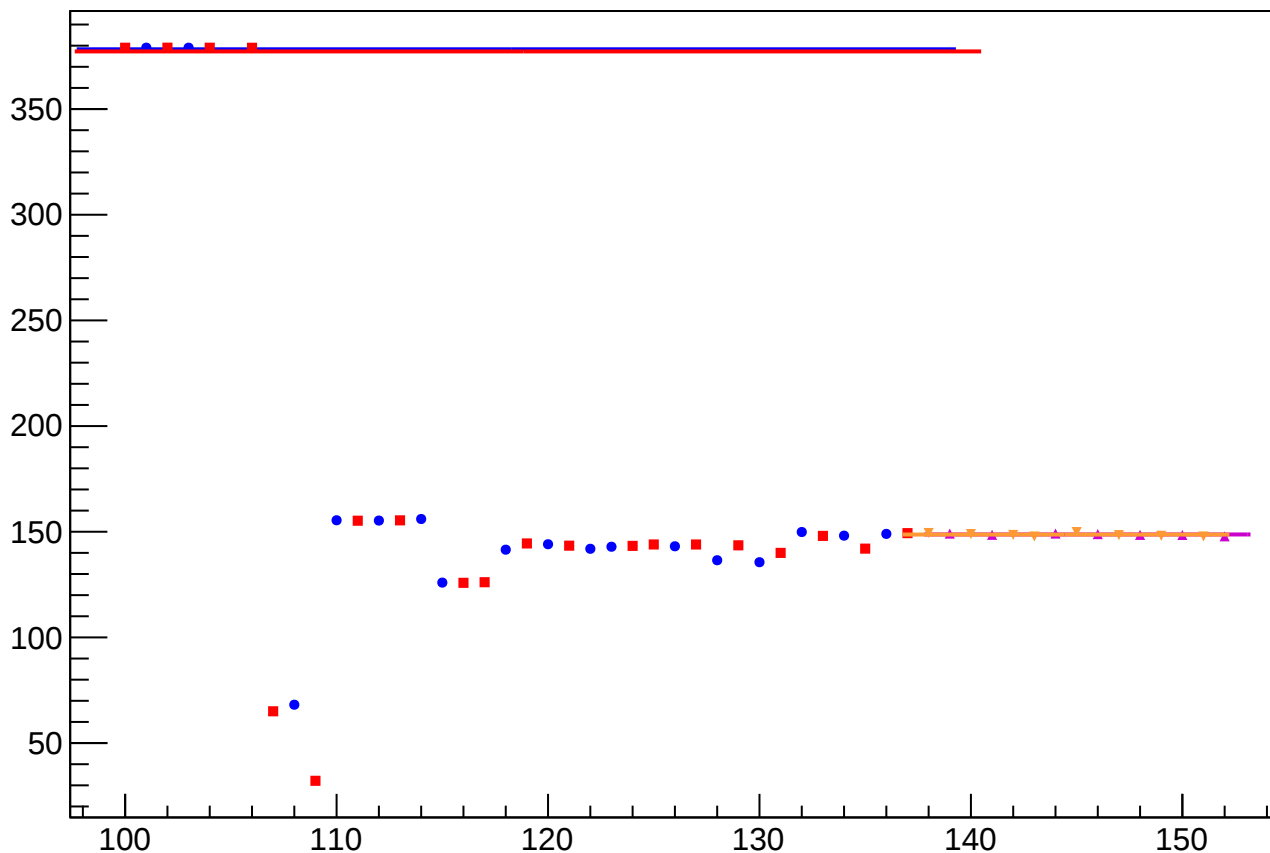
Left In: 0.532+/-0.000 χ^2/NDF : 175646.3/6

0.543+/-0.000 χ^2/NDF : 3724833.3/24

0.543+/-0.000 χ^2/NDF : 8631492.7/51

0.542+/-0.000 χ^2/NDF : 4906628.8/26

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

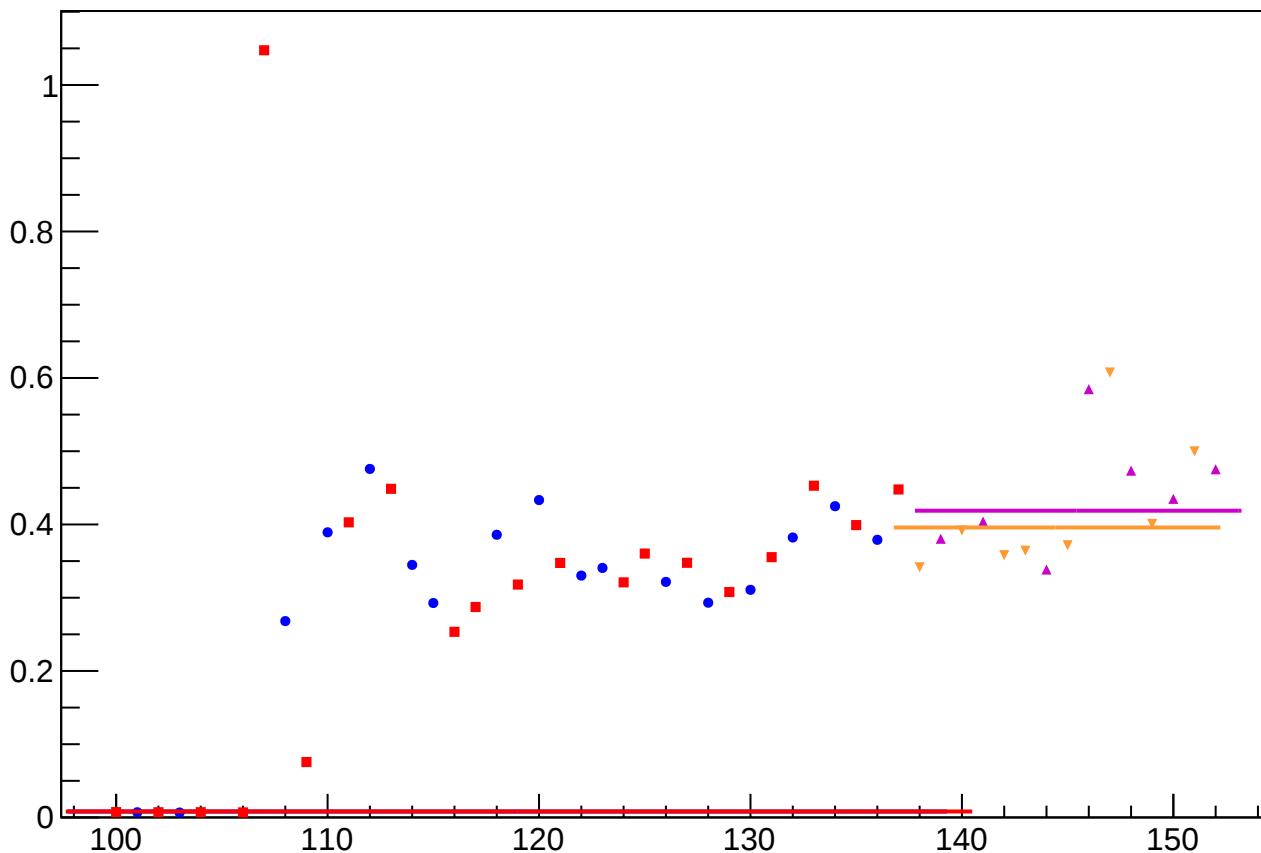
Left In: 148.711+/-0.000 χ^2/NDF : 5413172.8/6

377.691+/-0.000 χ^2/NDF : 4318267871924.6/24

377.225+/-0.000 χ^2/NDF : 142478434372

376.816+/-0.000 χ^2/NDF : 9924133916303.1/20

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

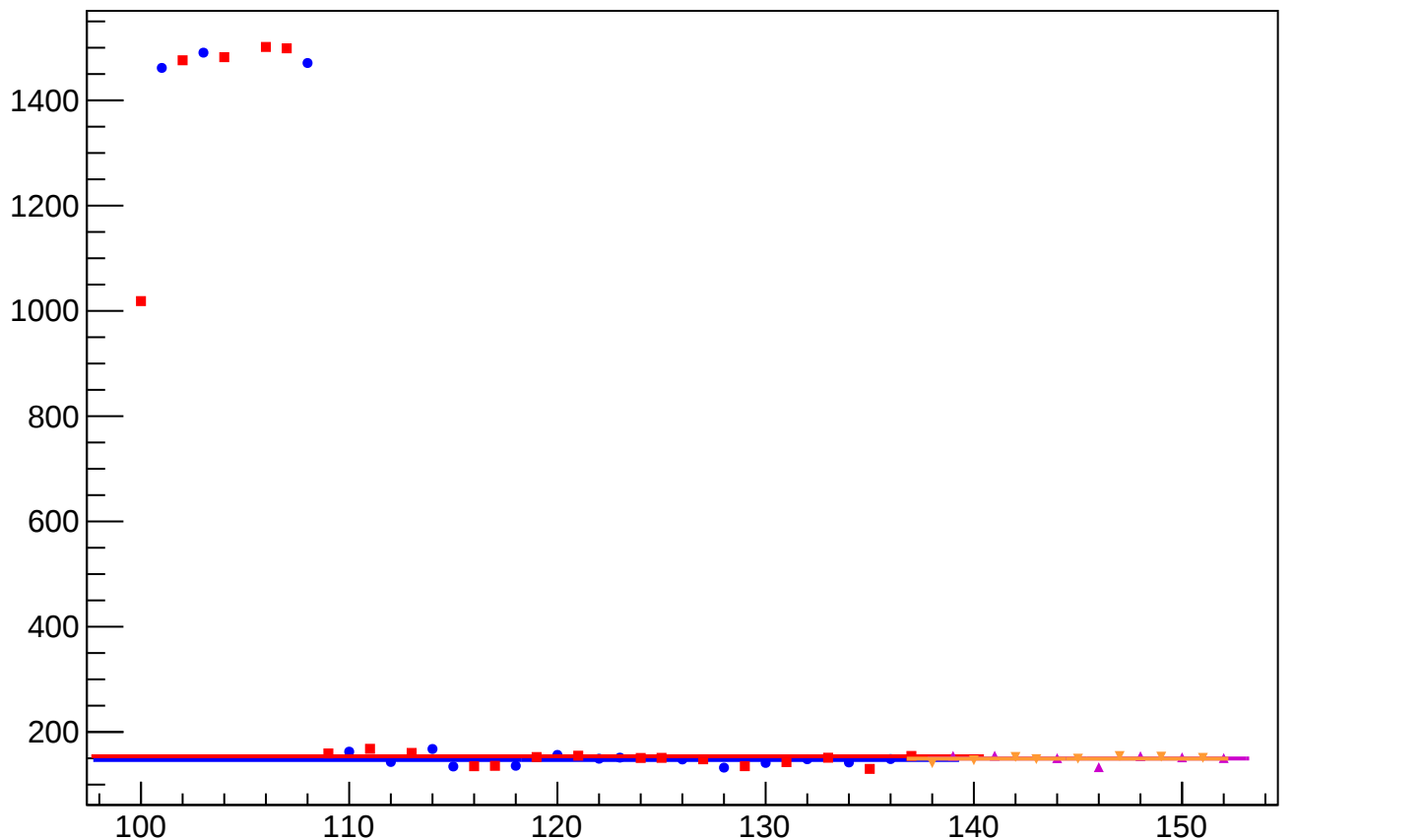
Left In: 0.419 $\pm$ 0.000 χ^2/NDF : 284883.7/6

0.009 $\pm$ 0.000 χ^2/NDF : 20435353.5/24

0.009 $\pm$ 0.000 χ^2/NDF : 40710574.9/51

0.009 $\pm$ 0.000 χ^2/NDF : 20274970.6/26

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

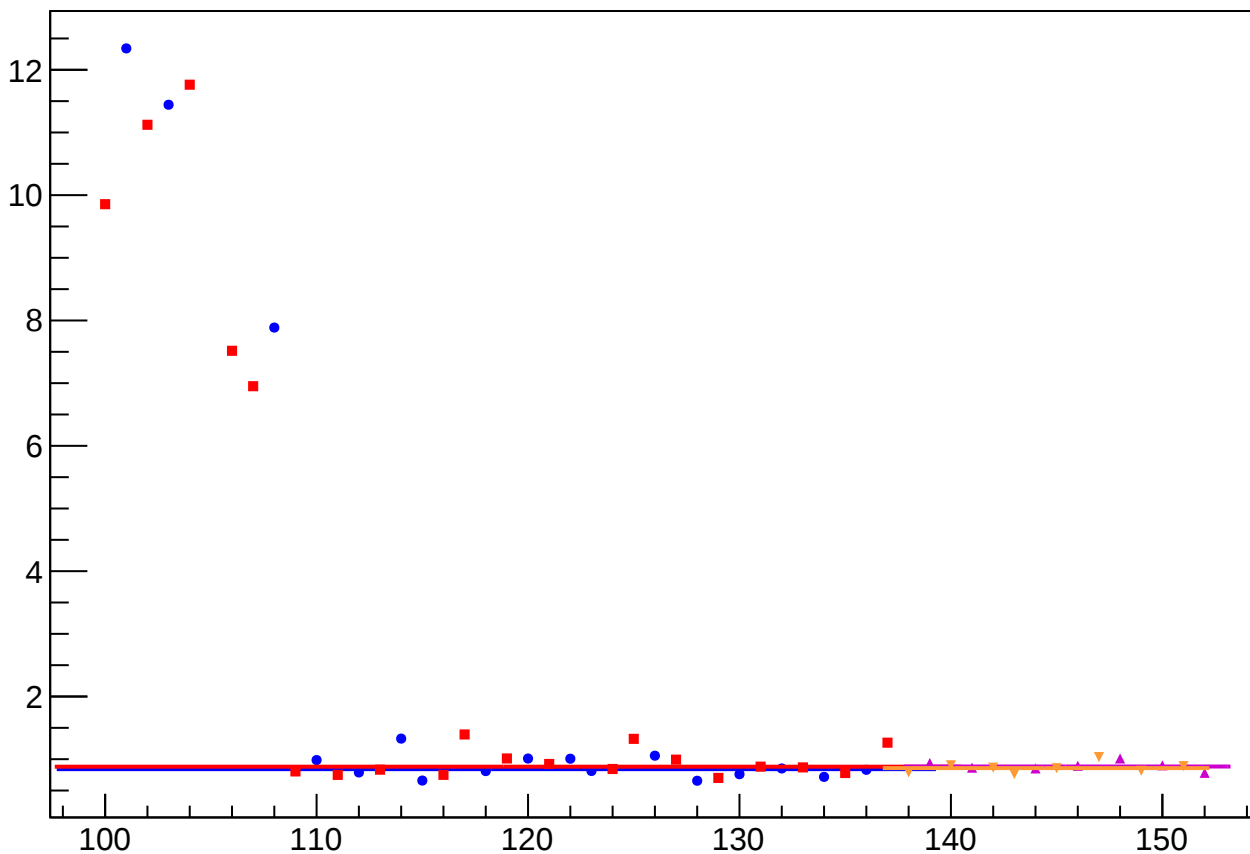
Left In: 149.620+/-0.000 χ^2/NDF : 292134805.6/6

148.144+/-0.000 χ^2/NDF : 24476966842.9/24

149.878+/-0.000 χ^2/NDF : 58630459185.4

151.620+/-0.000 χ^2/NDF : 34085812545.8/26

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

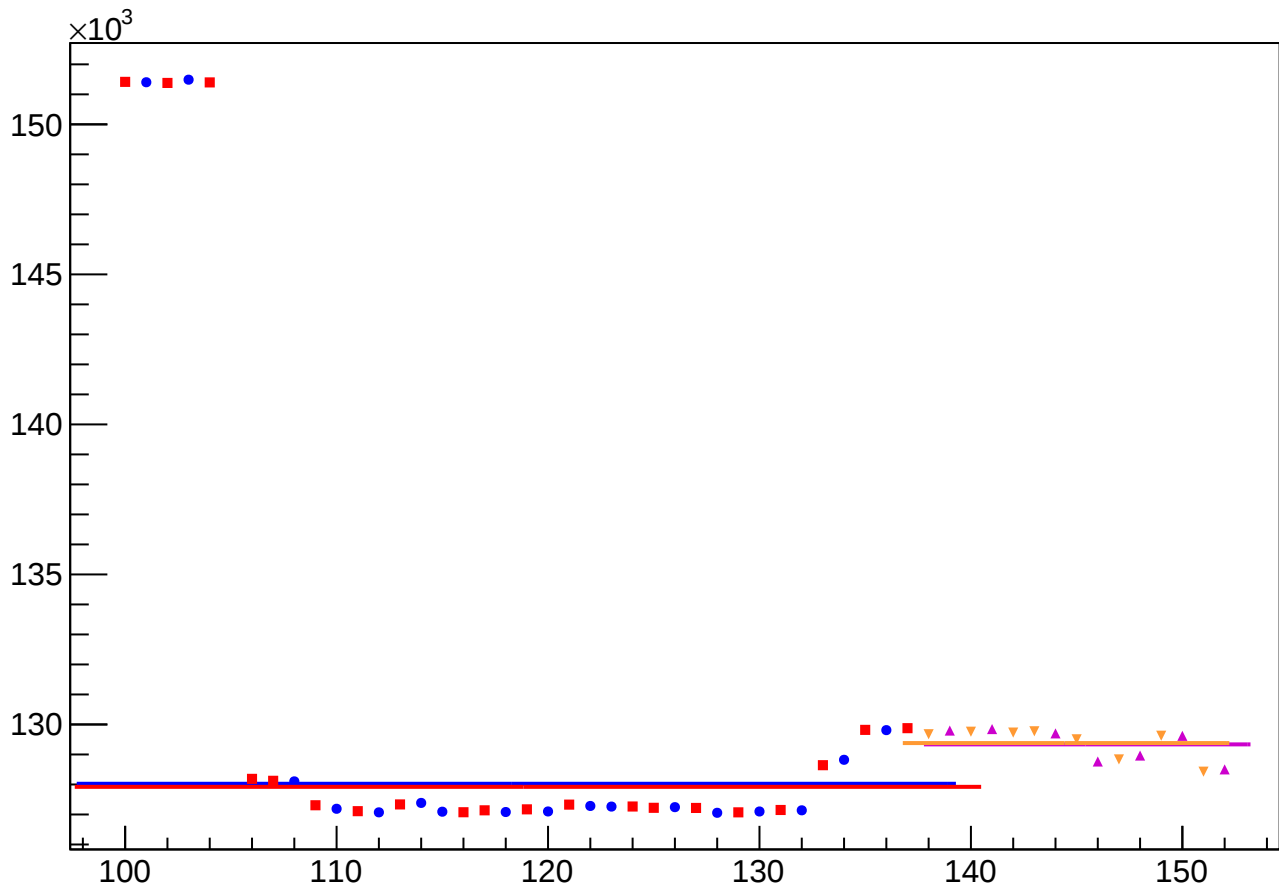
Left In: 0.883+/-0.000 χ^2/NDF : 52490.2/6

0.850+/-0.000 χ^2/NDF : 2733355.8/24

0.866+/-0.000 χ^2/NDF : 5622735.0/51

0.882+/-0.000 χ^2/NDF : 2877895.3/26

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 128023.527 ± 0.055 $\chi^2/\text{NDF}: 4316540586.9/16$

Left Out: 129380.139 ± 0.071 $\chi^2/\text{NDF}: 49540162.7/7$

Right Out: 127921.299 ± 0.050 $\chi^2/\text{NDF}: 3768965324.4/19$

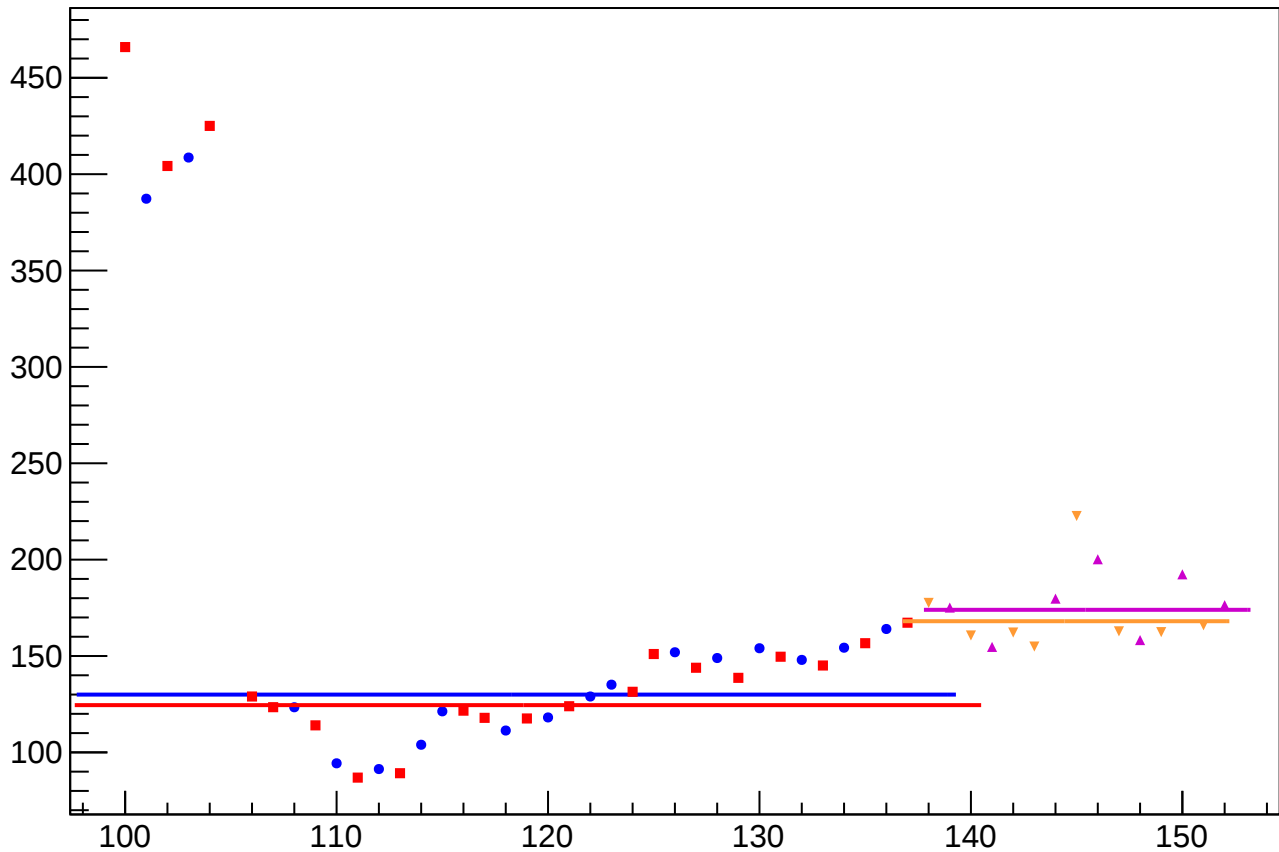
Left In: 129336.224 ± 0.073 $\chi^2/\text{NDF}: 48467247.2/6$

128529.454 ± 0.043 $\chi^2/\text{NDF}: 4596829503.6/24$

128447.425 ± 0.030 $\chi^2/\text{NDF}: 867447260$

128371.969 ± 0.041 $\chi^2/\text{NDF}: 4070716899.3/26$

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

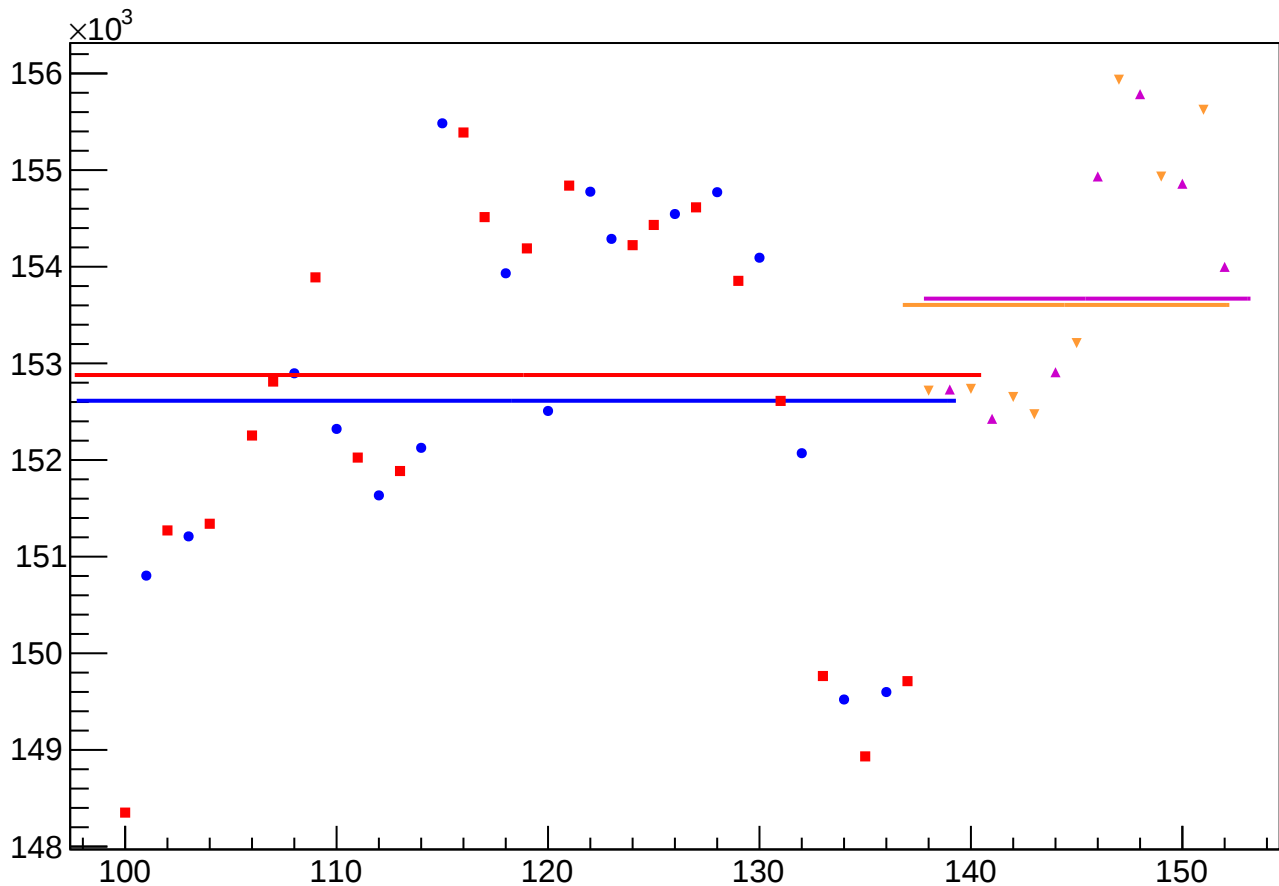
Left In: 173.968 +/- 0.052 χ^2/NDF : 86381.3/6

144.179 +/- 0.031 χ^2/NDF : 1962787.8/24

142.140 +/- 0.021 χ^2/NDF : 4208096.1/51

140.266 +/- 0.029 χ^2/NDF : 2236757.3/26

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

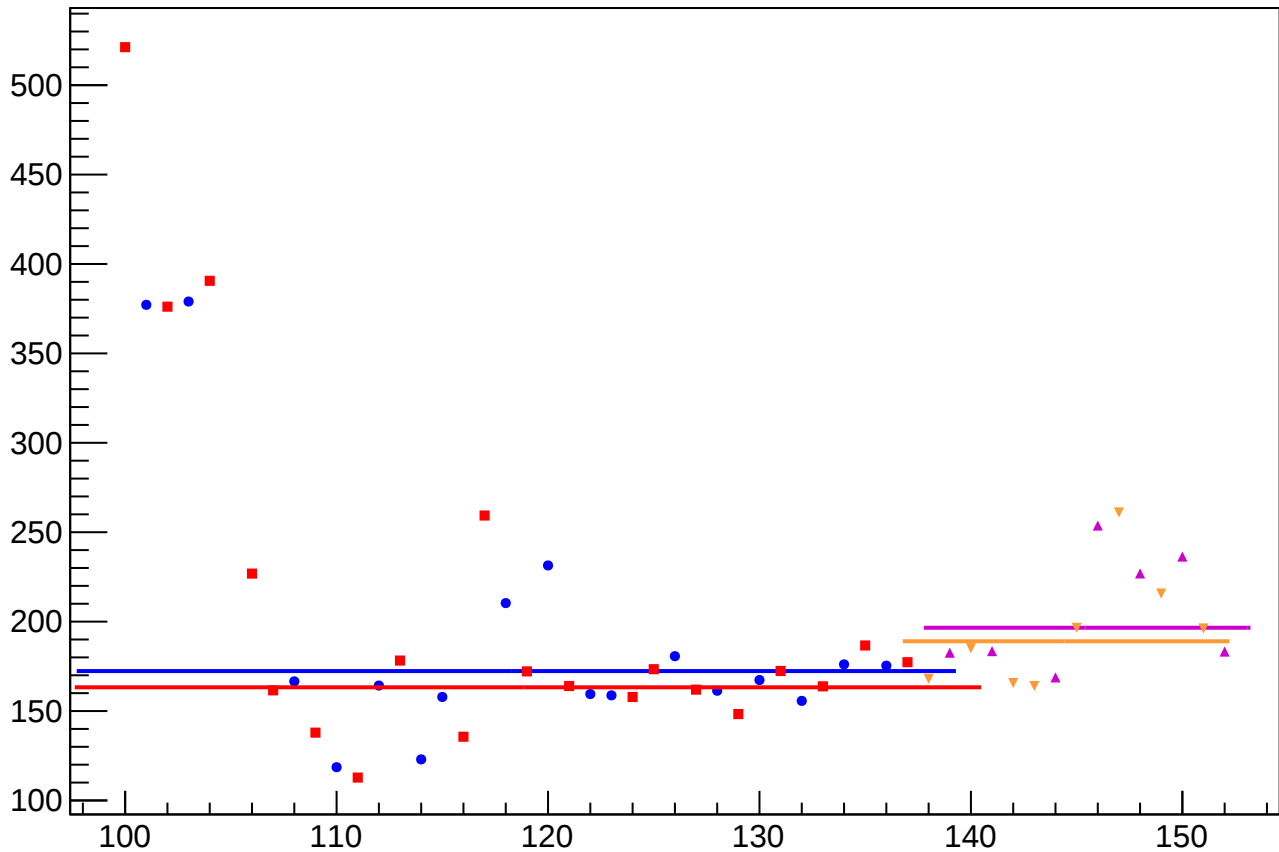
Left In: 153669.837 $\pm$ 0.084 χ^2 /NDF: 186481286.7/6

153057.341 $\pm$ 0.054 χ^2 /NDF: 968516142.1/24

153122.377 $\pm$ 0.037 χ^2 /NDF: 193065026

153183.105 $\pm$ 0.052 χ^2 /NDF: 959296727.4/26

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

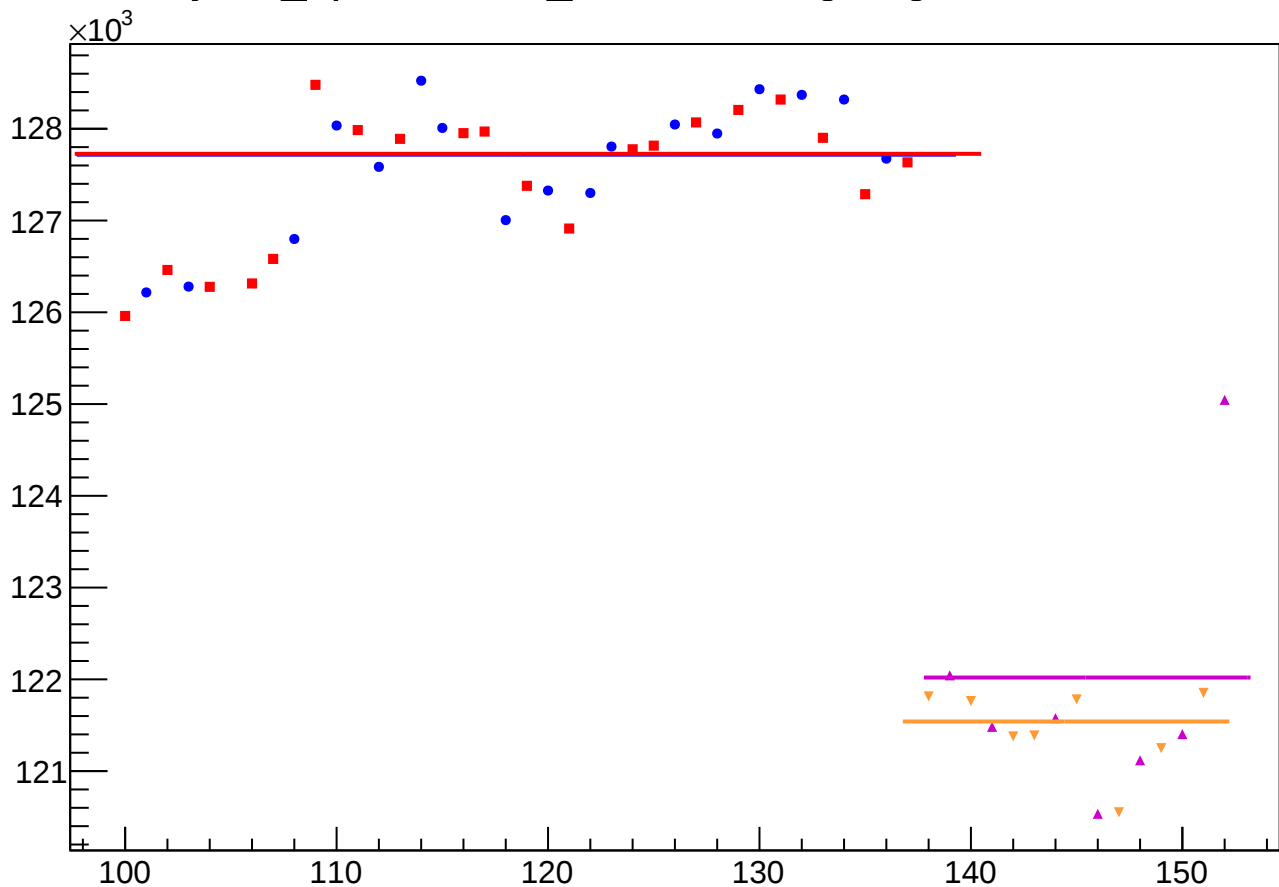
Left In: 196.587+/-0.059 χ^2/NDF : 227541.4/6

179.817+/-0.038 χ^2/NDF : 1186338.7/24

177.880+/-0.026 χ^2/NDF : 2657450.7/51

176.072+/-0.037 χ^2/NDF : 1466078.1/26

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

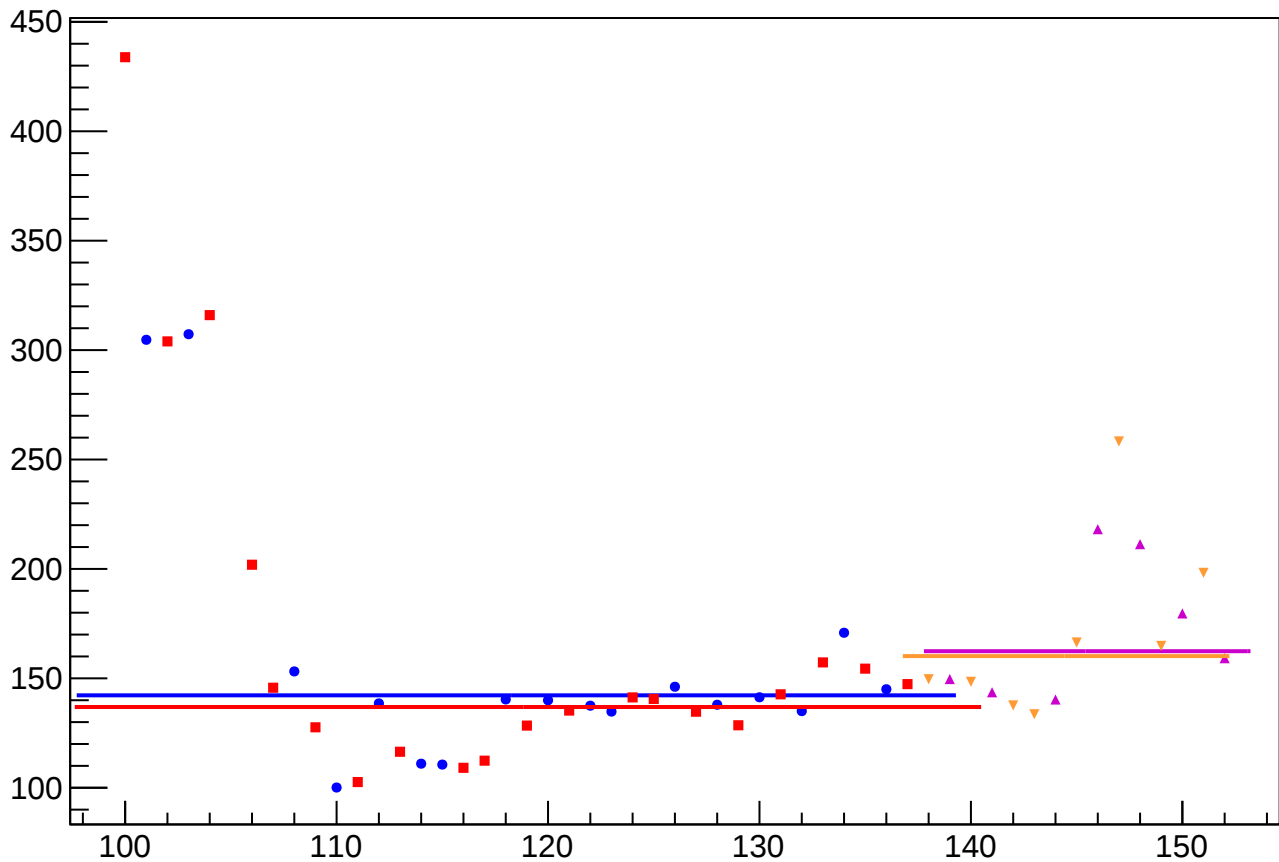
Left In: 122019.717 $\pm$ 0.070 χ^2/NDF : 368955673.3/6

125146.679 $\pm$ 0.045 χ^2/NDF : 4793383761.3/24

125368.596 $\pm$ 0.031 χ^2/NDF : 949880600.0/19

125573.666 $\pm$ 0.043 χ^2/NDF : 4657641389.9/26

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

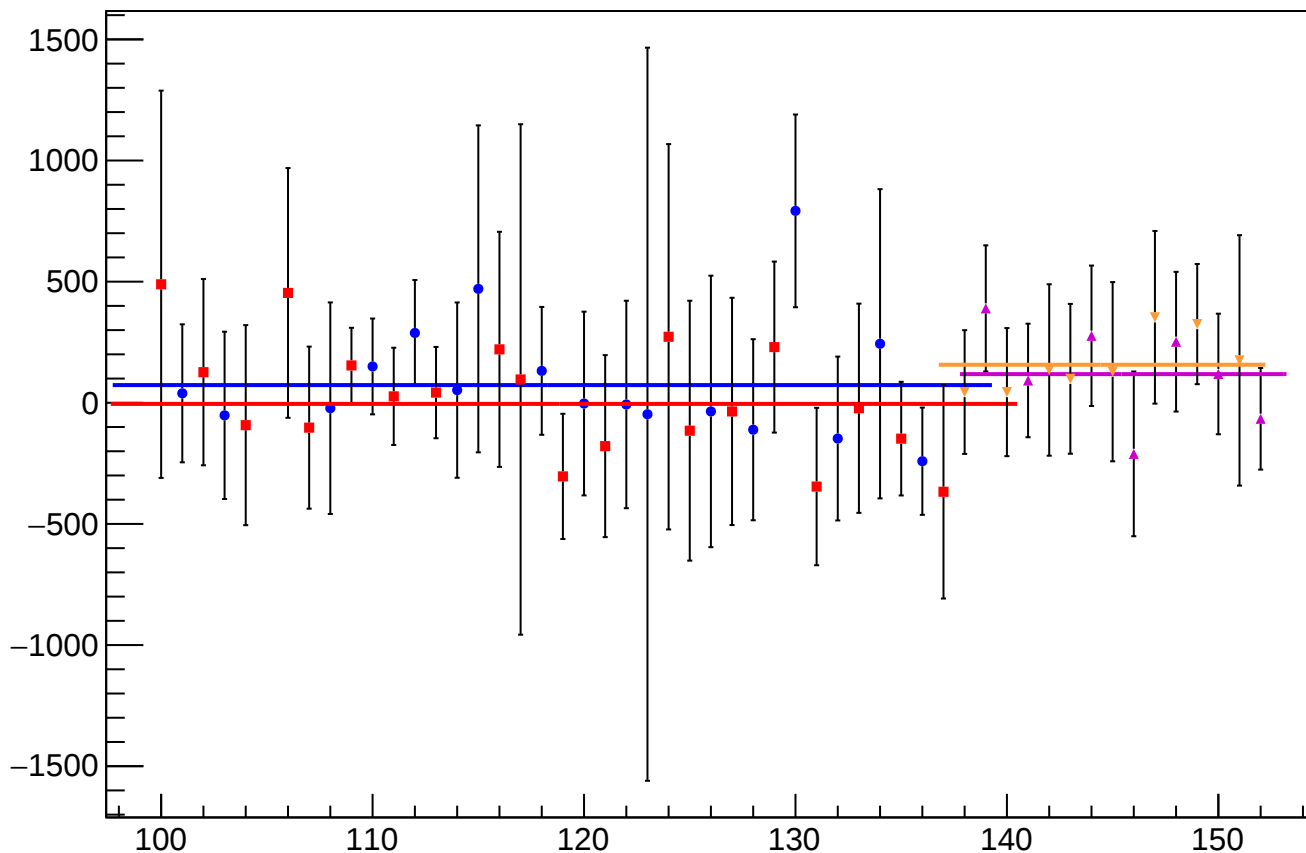
Left In: 162.405 $\pm$ 0.049 χ^2 /NDF: 280591.8/6

149.703 $\pm$ 0.031 χ^2 /NDF: 1287247.9/24

148.051 $\pm$ 0.022 χ^2 /NDF: 2701741.1/51

146.525 $\pm$ 0.030 χ^2 /NDF: 1409201.1/26

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

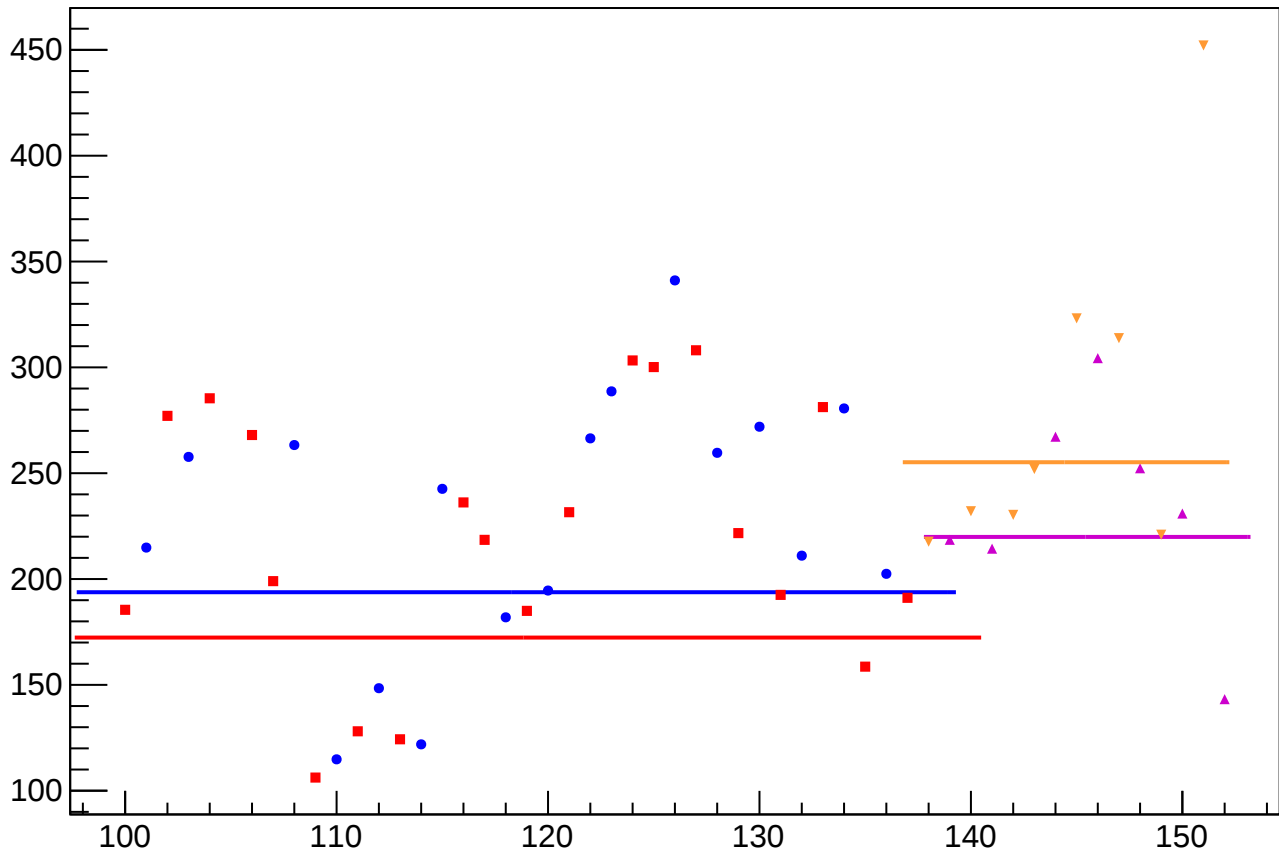
Left In: 118.338+/-97.857 χ^2/NDF : 3.3/6

102.110+/-64.407 χ^2/NDF : 9.4/24

65.535+/-42.644 χ^2/NDF : 21.5/51

36.986+/-56.903 χ^2/NDF : 11.5/26

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

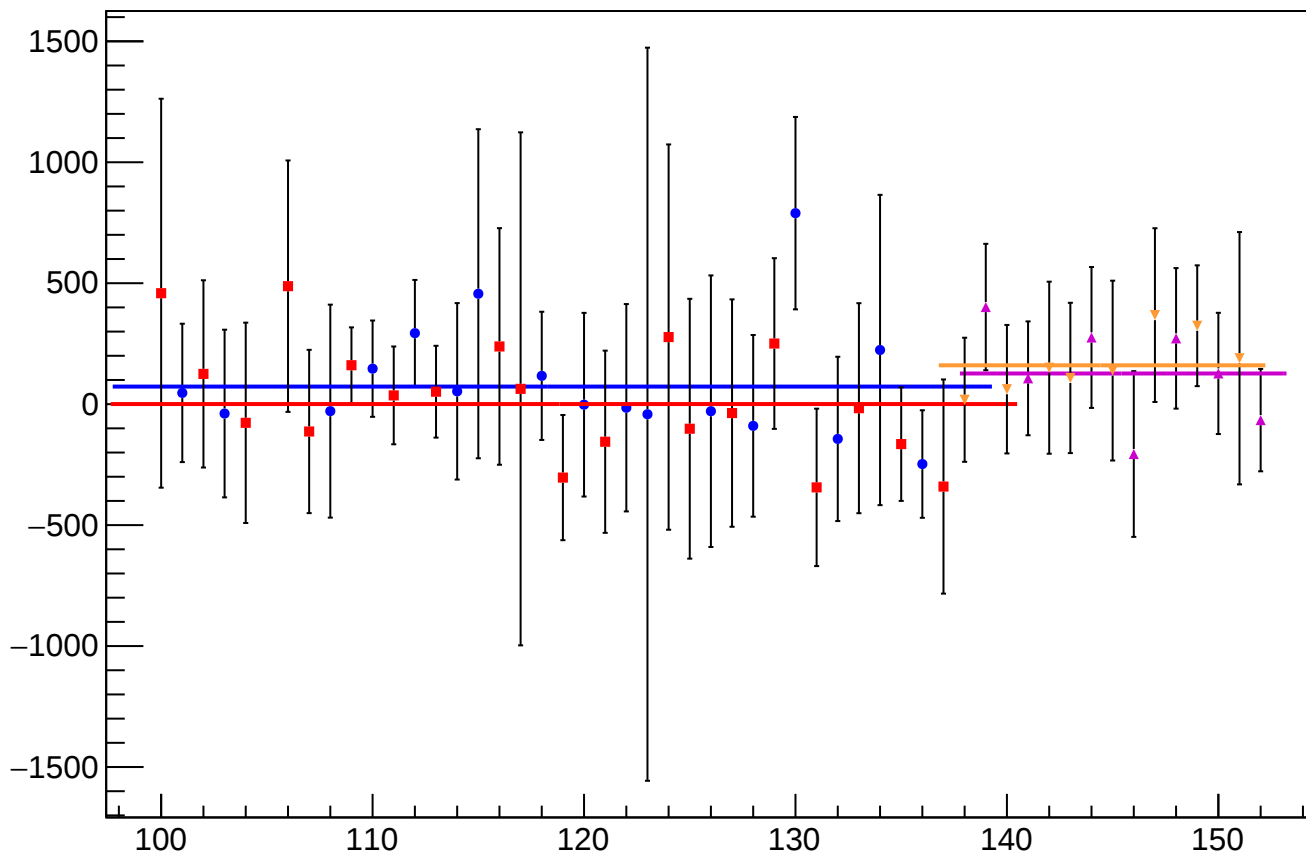
Left In: 219.899+/-0.069 χ^2/NDF : 474160.5/6

214.983+/-0.046 χ^2/NDF : 1946843.6/24

200.068+/-0.030 χ^2/NDF : 4508459.3/51

188.425+/-0.040 χ^2/NDF : 2370636.7/26

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 72.675 $\pm$ 79.992 χ^2/NDF : 7.8/16

Left Out: 160.565 $\pm$ 110.196 χ^2/NDF : 1.2/7

Right Out: 0.459 $\pm$ 70.312 χ^2/NDF : 7.3/19

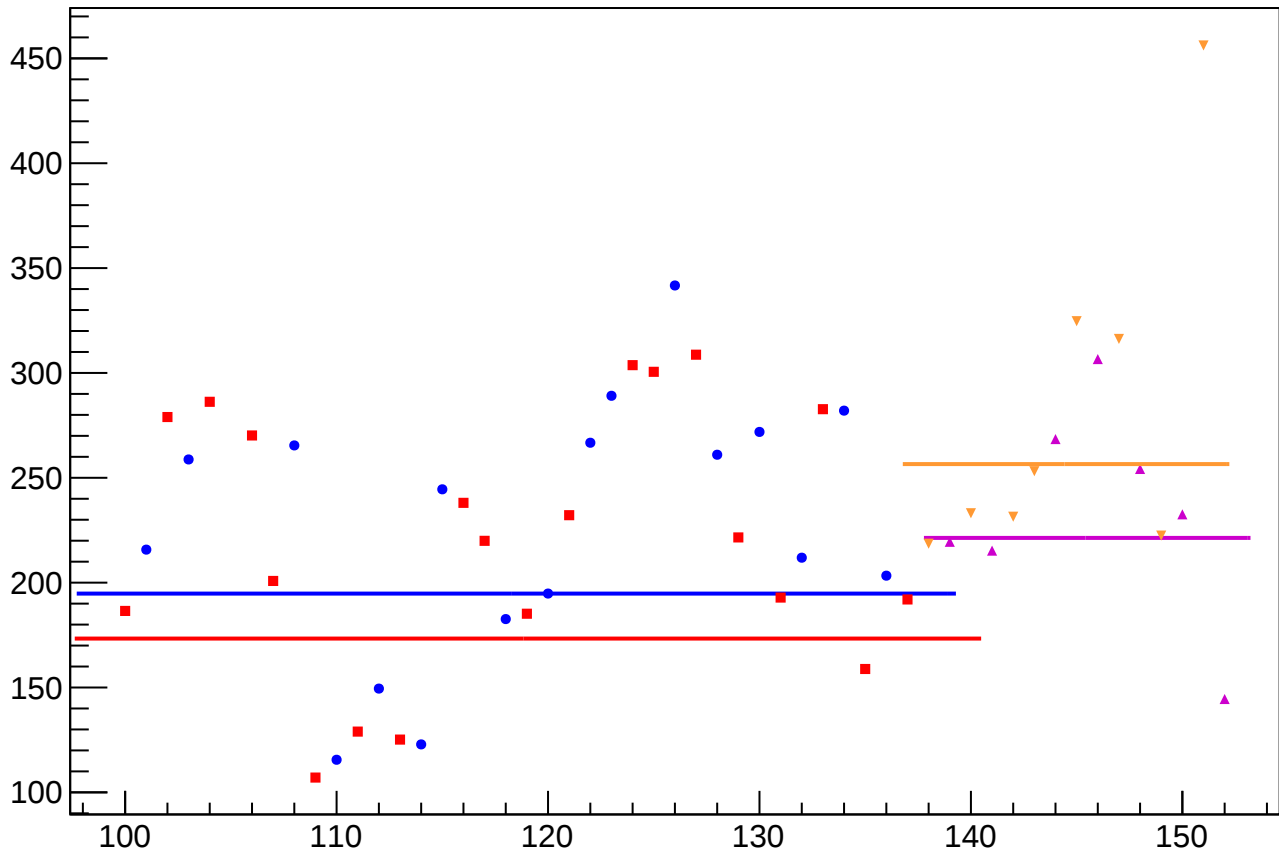
Left In: 126.831 $\pm$ 98.484 χ^2/NDF : 3.4/6

103.005 $\pm$ 64.734 χ^2/NDF : 9.4/24

69.391 $\pm$ 42.874 χ^2/NDF : 21.7/51

43.125 $\pm$ 57.224 χ^2/NDF : 11.8/26

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

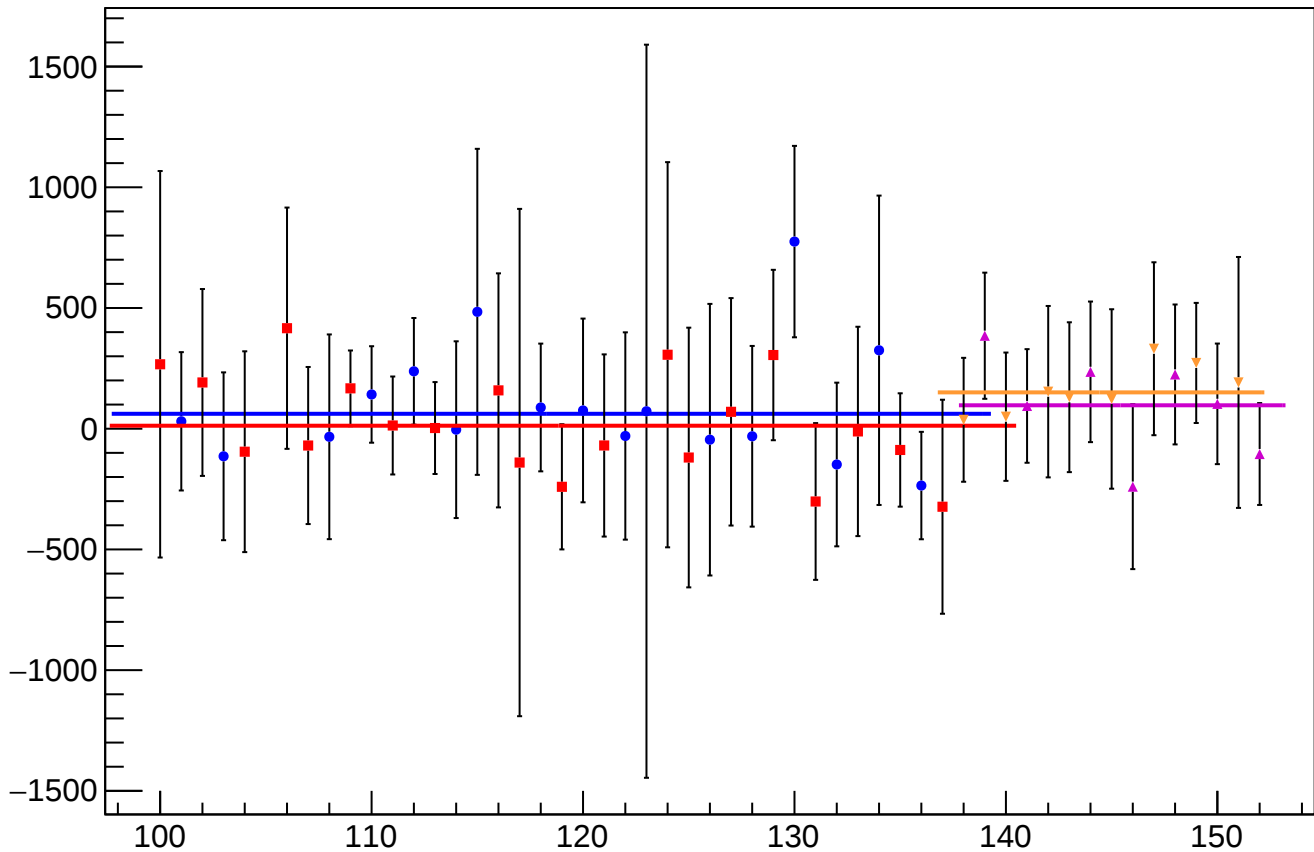
Left In: 221.338 ± 0.070 χ^2/NDF : 470850.9/6

216.094 ± 0.046 χ^2/NDF : 1942015.1/24

201.190 ± 0.030 χ^2/NDF : 4487863.4/51

189.543 ± 0.040 χ^2/NDF : 2356987.0/26

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 61.814+/-79.986 χ^2/NDF : 7.3/16

Left Out: 150.488+/-110.051 χ^2/NDF : 0.9/7

Right Out: 12.417+/-70.233 χ^2/NDF : 5.8/19

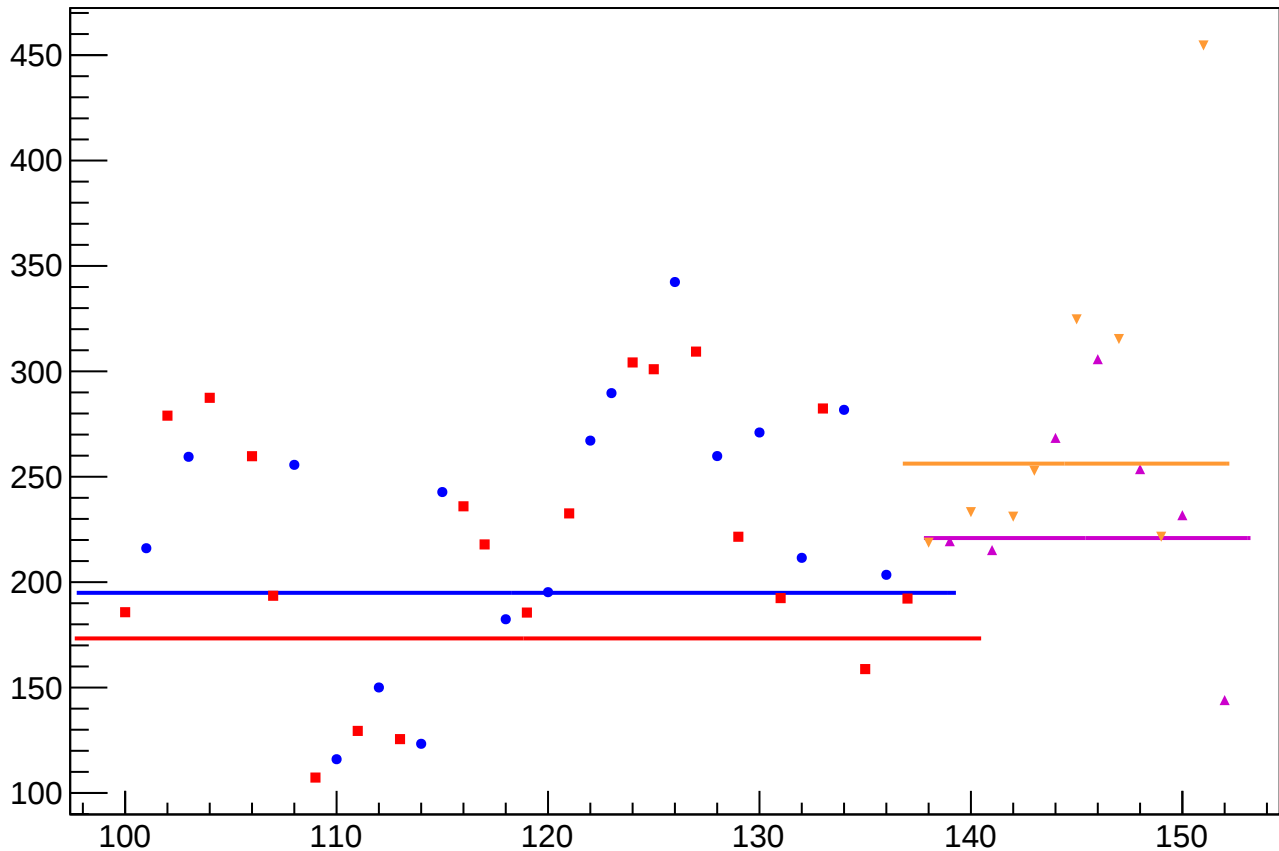
Left In: 97.035+/-98.302 χ^2/NDF : 3.5/6

92.465+/-64.702 χ^2/NDF : 8.5/24

63.561+/-42.832 χ^2/NDF : 18.7/51

41.013+/-57.146 χ^2/NDF : 9.8/26

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.939 +/- 0.057 χ^2/NDF : 986629.1/16

Left Out: 256.227 +/- 0.078 χ^2/NDF : 520529.8/7

Right Out: 173.309 +/- 0.050 χ^2/NDF : 1548342.3/19

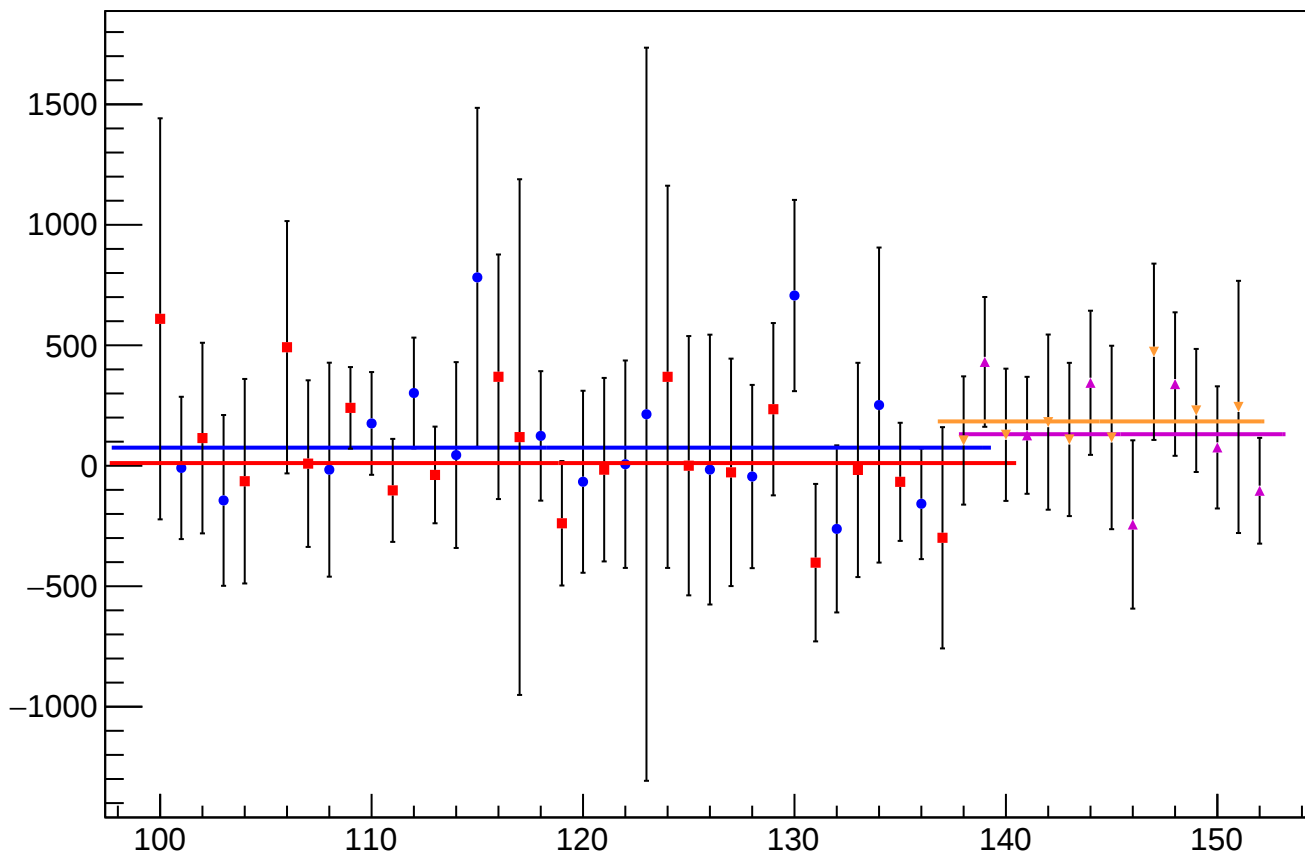
Left In: 220.918 +/- 0.070 χ^2/NDF : 472559.3/6

216.124 +/- 0.046 χ^2/NDF : 1913043.3/24

201.110 +/- 0.030 χ^2/NDF : 4436213.9/51

189.398 +/- 0.040 χ^2/NDF : 2331482.3/26

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 75.207 ± 82.504 $\chi^2/\text{NDF}: 7.6/16$

Left Out: 184.074 ± 113.085 $\chi^2/\text{NDF}: 0.9/7$

Right Out: 11.180 ± 73.166 $\chi^2/\text{NDF}: 7.8/19$

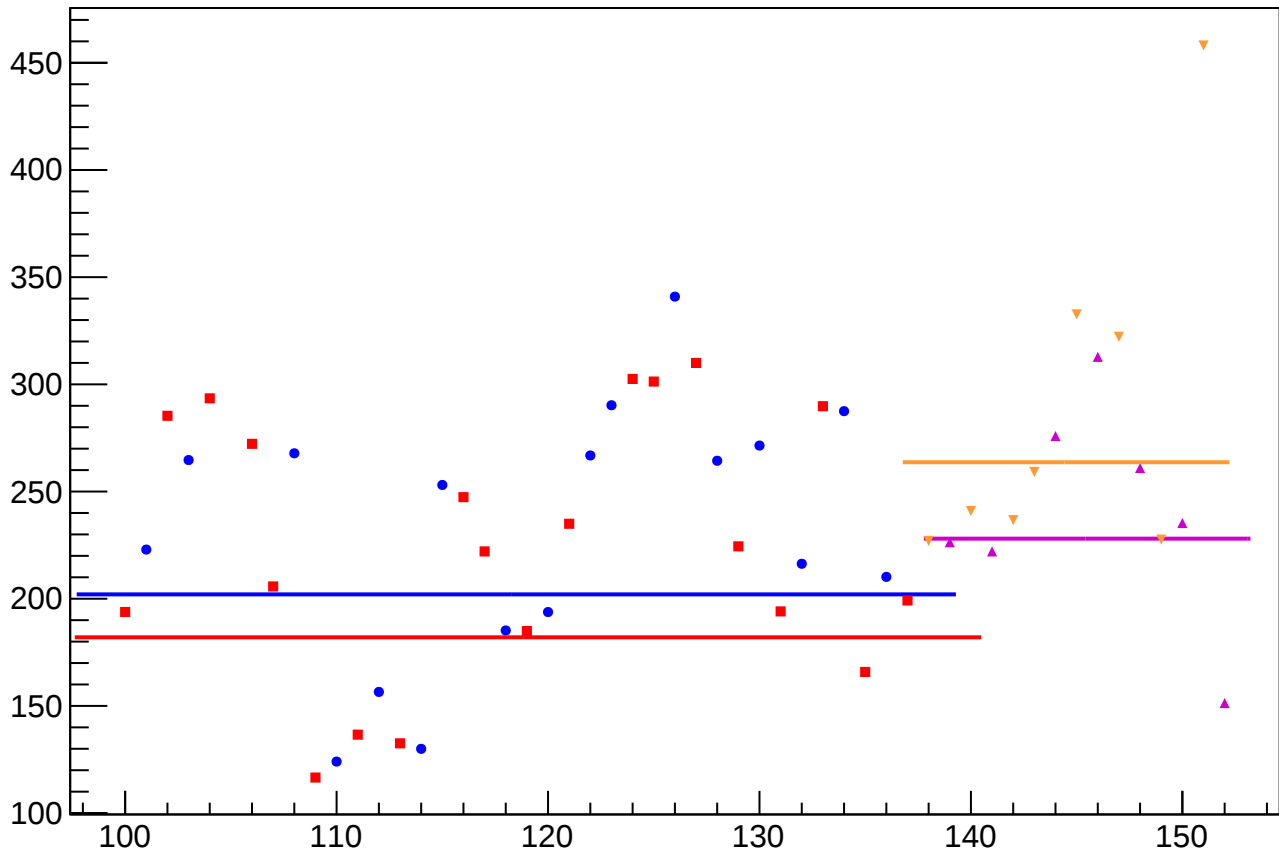
Left In: 130.968 ± 101.170 $\chi^2/\text{NDF}: 4.6/6$

113.025 ± 66.651 $\chi^2/\text{NDF}: 9.1/24$

79.133 ± 44.298 $\chi^2/\text{NDF}: 22.9/51$

52.317 ± 59.287 $\chi^2/\text{NDF}: 13.3/26$

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.029 $\pm$ 0.058 χ^2/NDF : 881608.7/16

Left Out: 263.678 $\pm$ 0.080 χ^2/NDF : 495956.6/7

Right Out: 182.000 $\pm$ 0.052 χ^2/NDF : 1380354.3/19

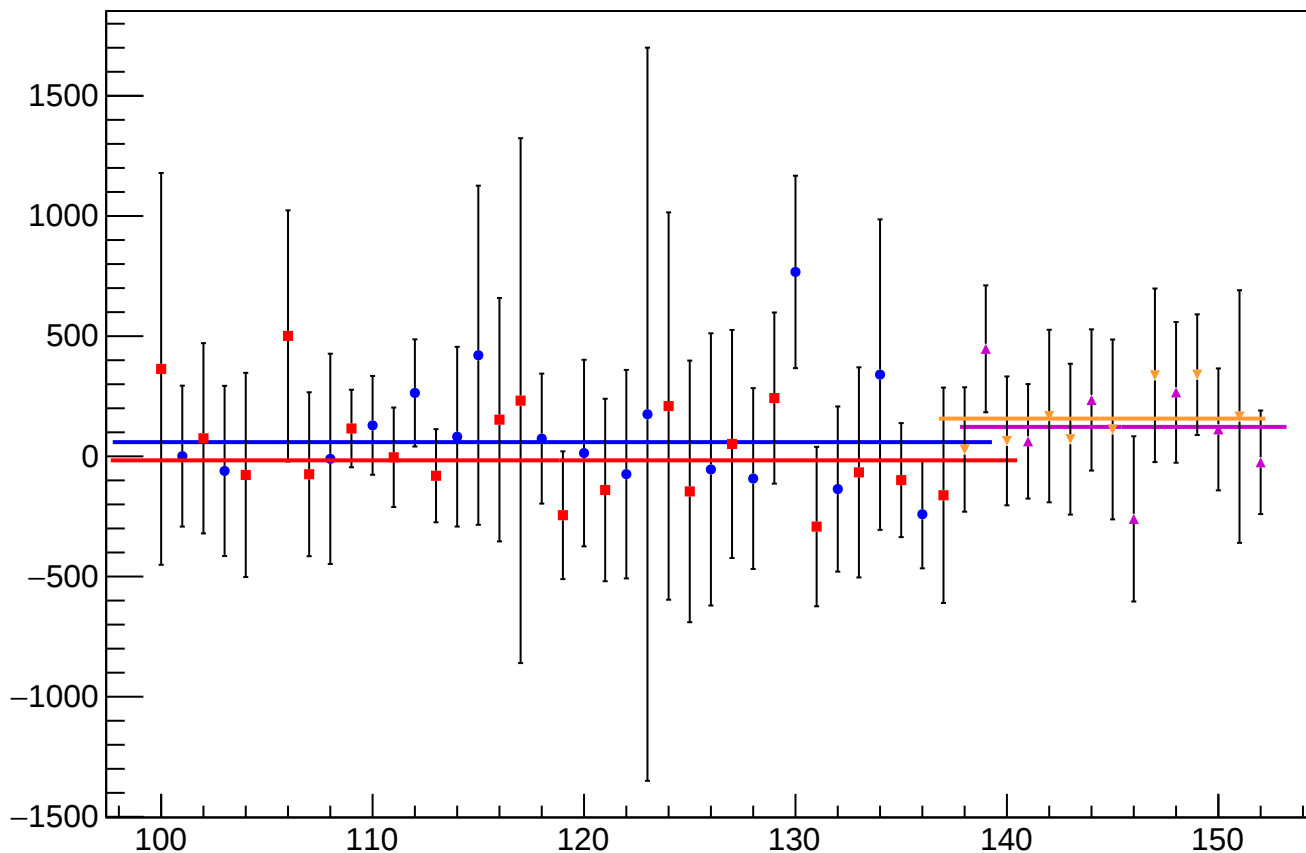
Left In: 228.026 $\pm$ 0.072 χ^2/NDF : 440513.1/6

223.445 $\pm$ 0.047 χ^2/NDF : 1765479.5/24

209.131 $\pm$ 0.031 χ^2/NDF : 4023369.5/51

197.806 $\pm$ 0.042 χ^2/NDF : 2092664.1/26

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 59.175 $\pm$ 81.417 χ^2 /NDF: 7.1/16

Left Out: 157.034 $\pm$ 111.067 χ^2 /NDF: 1.2/7

Right Out: -16.650 $\pm$ 71.745 χ^2 /NDF: 4.7/19

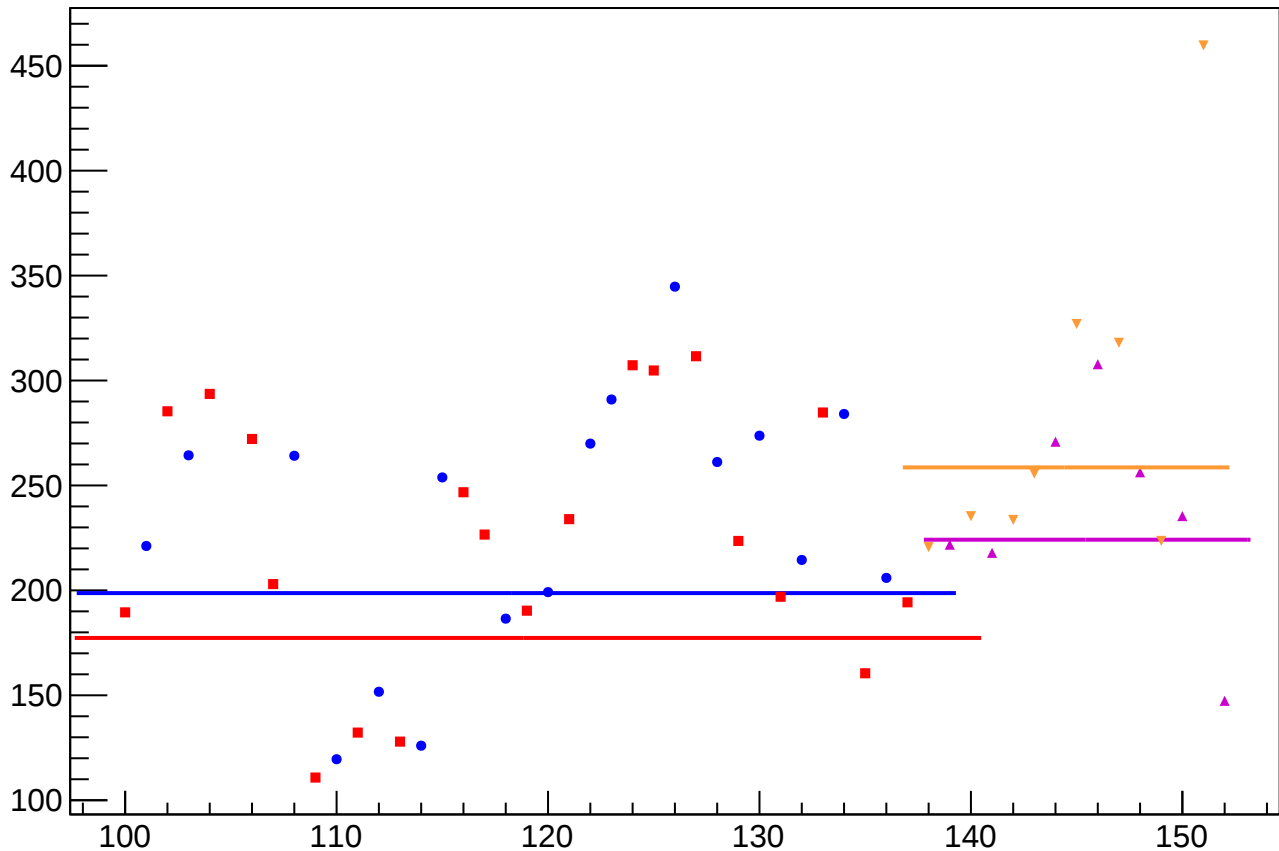
Left In: 122.572 $\pm$ 99.606 χ^2 /NDF: 3.7/6

93.380 $\pm$ 65.664 χ^2 /NDF: 8.9/24

58.400 $\pm$ 43.561 χ^2 /NDF: 19.1/51

30.907 $\pm$ 58.215 χ^2 /NDF: 9.7/26

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.704 $\pm$ 0.058 χ^2/NDF : 963394.4/16

Left Out: 258.602 $\pm$ 0.079 χ^2/NDF : 520575.6/7

Right Out: 177.338 $\pm$ 0.051 χ^2/NDF : 1528976.8/19

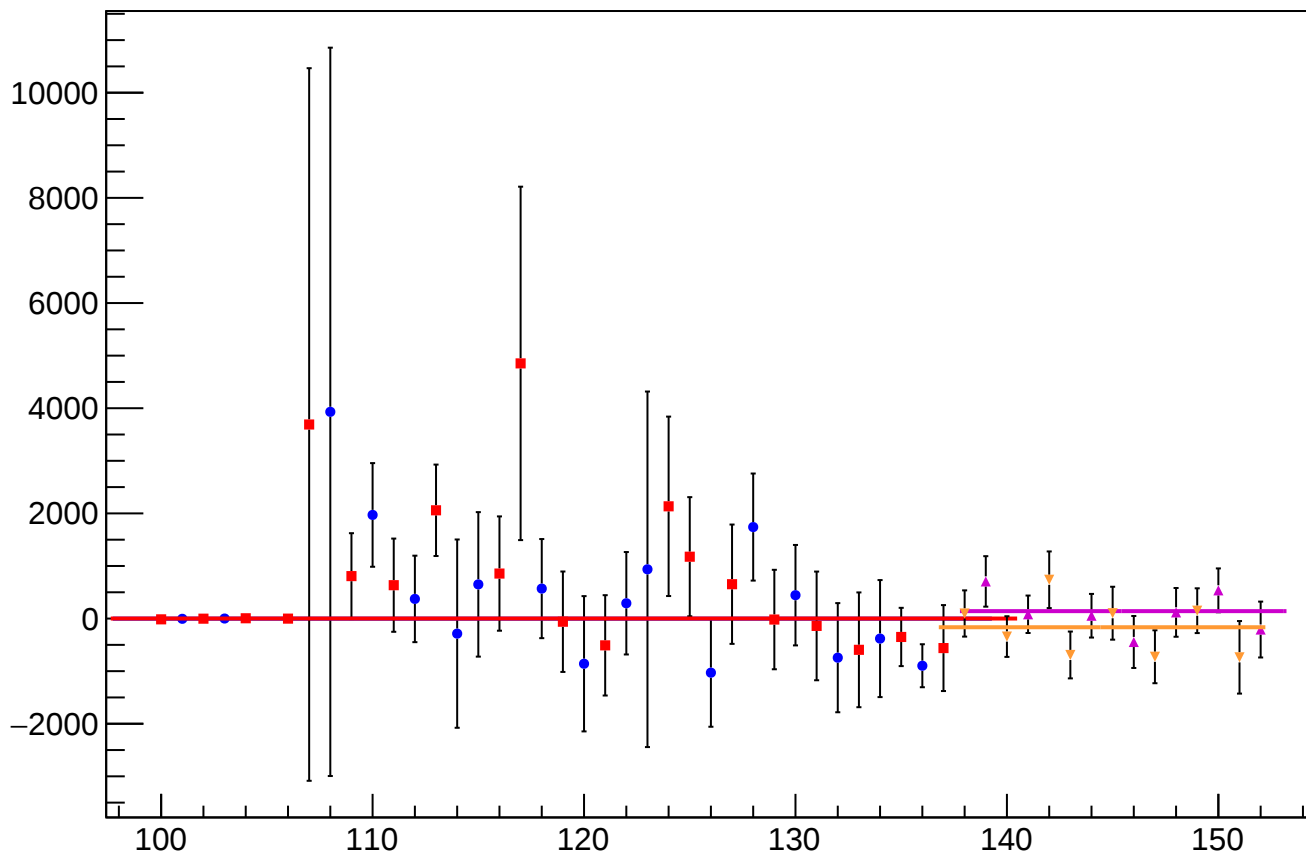
Left In: 224.144 $\pm$ 0.070 χ^2/NDF : 452522.3/6

219.640 $\pm$ 0.046 χ^2/NDF : 1862336.3/24

204.907 $\pm$ 0.031 χ^2/NDF : 4314428.3/51

193.327 $\pm$ 0.041 χ^2/NDF : 2272270.5/26

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.529 ± 2.251 χ^2/NDF : 16.6/16

Left Out: -164.960 ± 166.965 χ^2/NDF : 7.5/7

Right Out: 0.733 ± 2.111 χ^2/NDF : 20.5/19

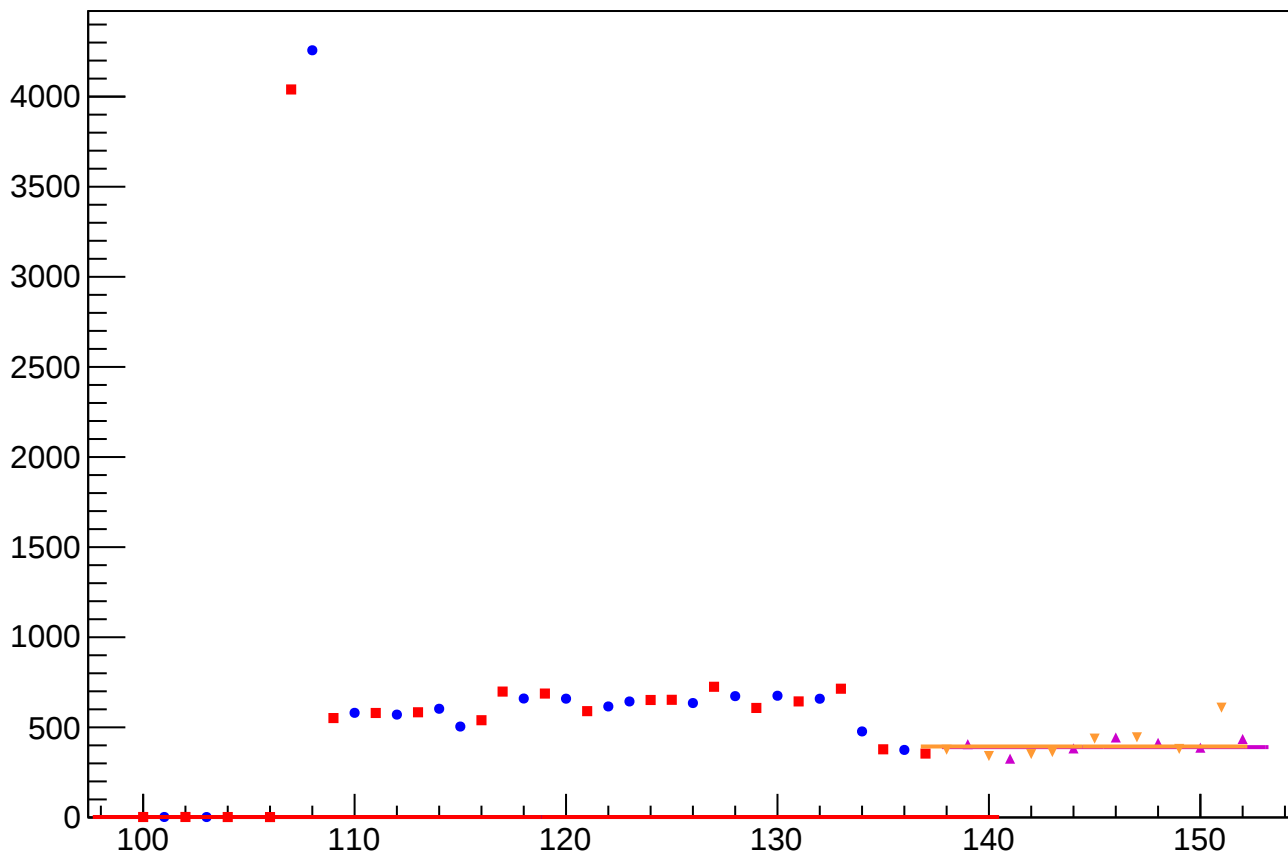
Left In: 141.284 ± 166.508 χ^2/NDF : 4.2/6

-1.559 ± 2.251 χ^2/NDF : 25.1/24

-0.327 ± 1.540 χ^2/NDF : 51.1/51

0.756 ± 2.111 χ^2/NDF : 25.4/26

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

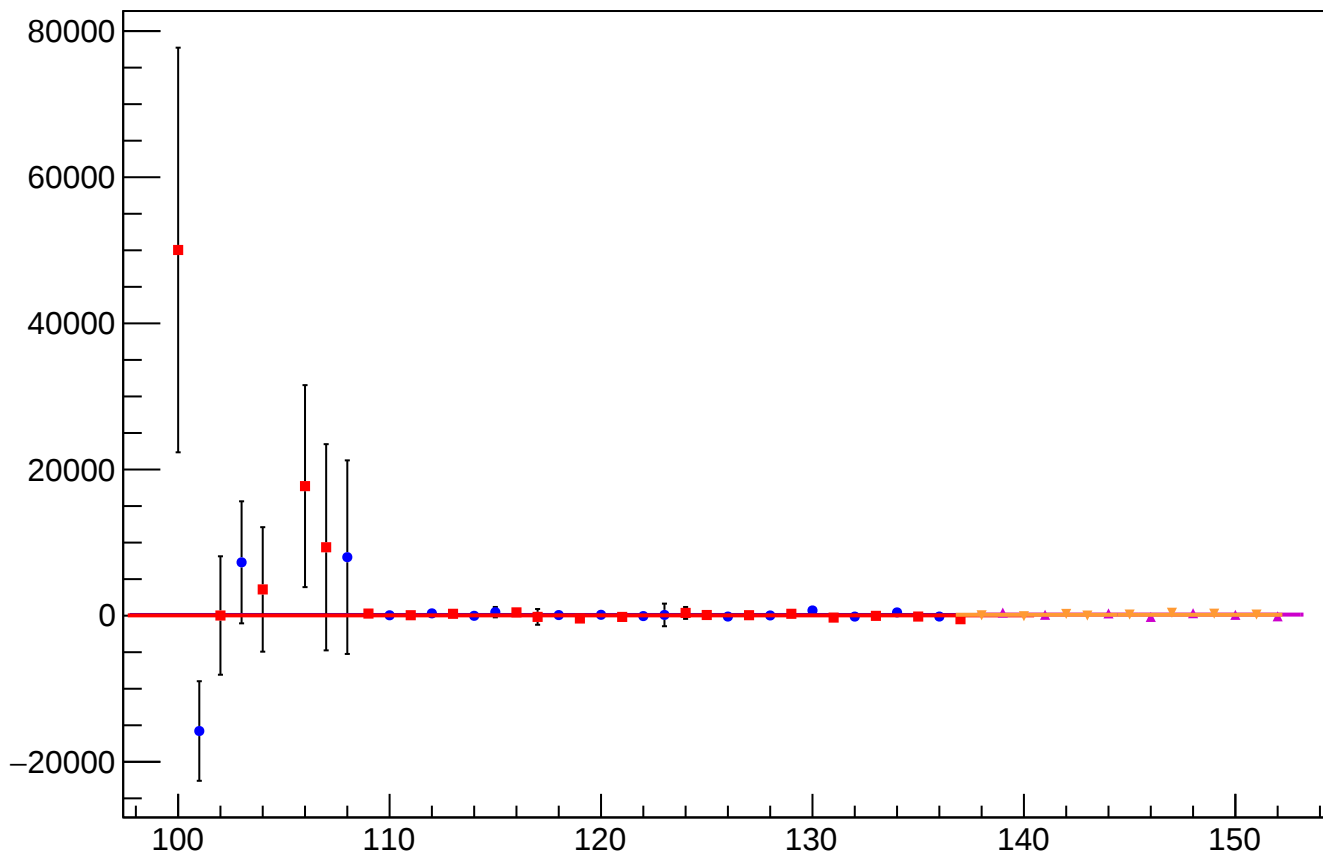
Left In: 390.232+/-0.118 χ^2/NDF :110972.5/6

2.527+/-0.002 χ^2/NDF : 21988872.8/24

2.512 $\pm$ 0.001 χ^2 /NDF: 44172677.6/51

2.499+/-0.001 χ^2/NDF : 22183640.0/26

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: 122.213+/-116.616 χ^2/NDF : 1.6/7

Right Out: 41.335+/-84.288 χ^2/NDF : 14.0/19

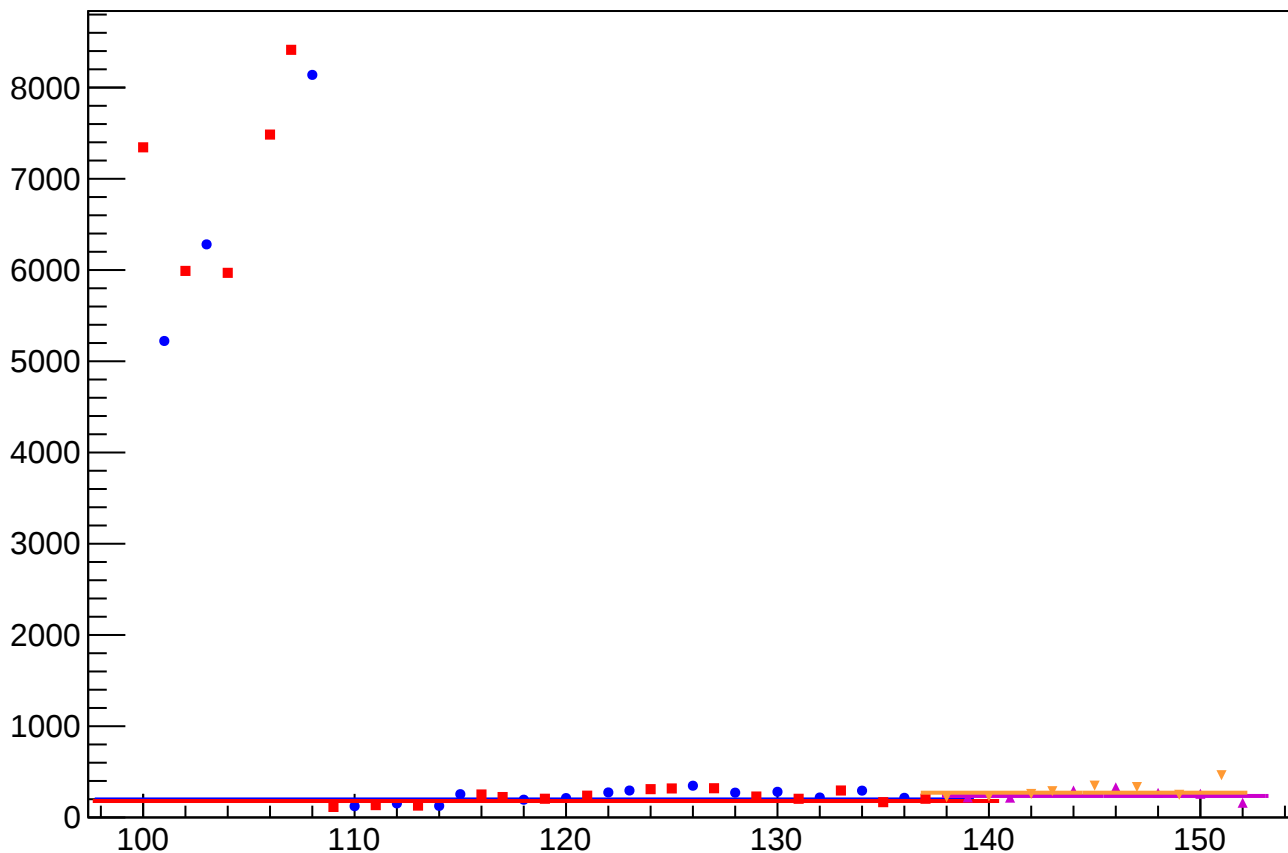
Left In: 146.161+/-104.524 χ^2/NDF : 3.6/6

105.616+/-72.087 χ^2/NDF : 13.7/24

93.051+/-48.523 χ^2/NDF : 31.9/51

82.641+/-65.612 χ^2/NDF : 18.2/26

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

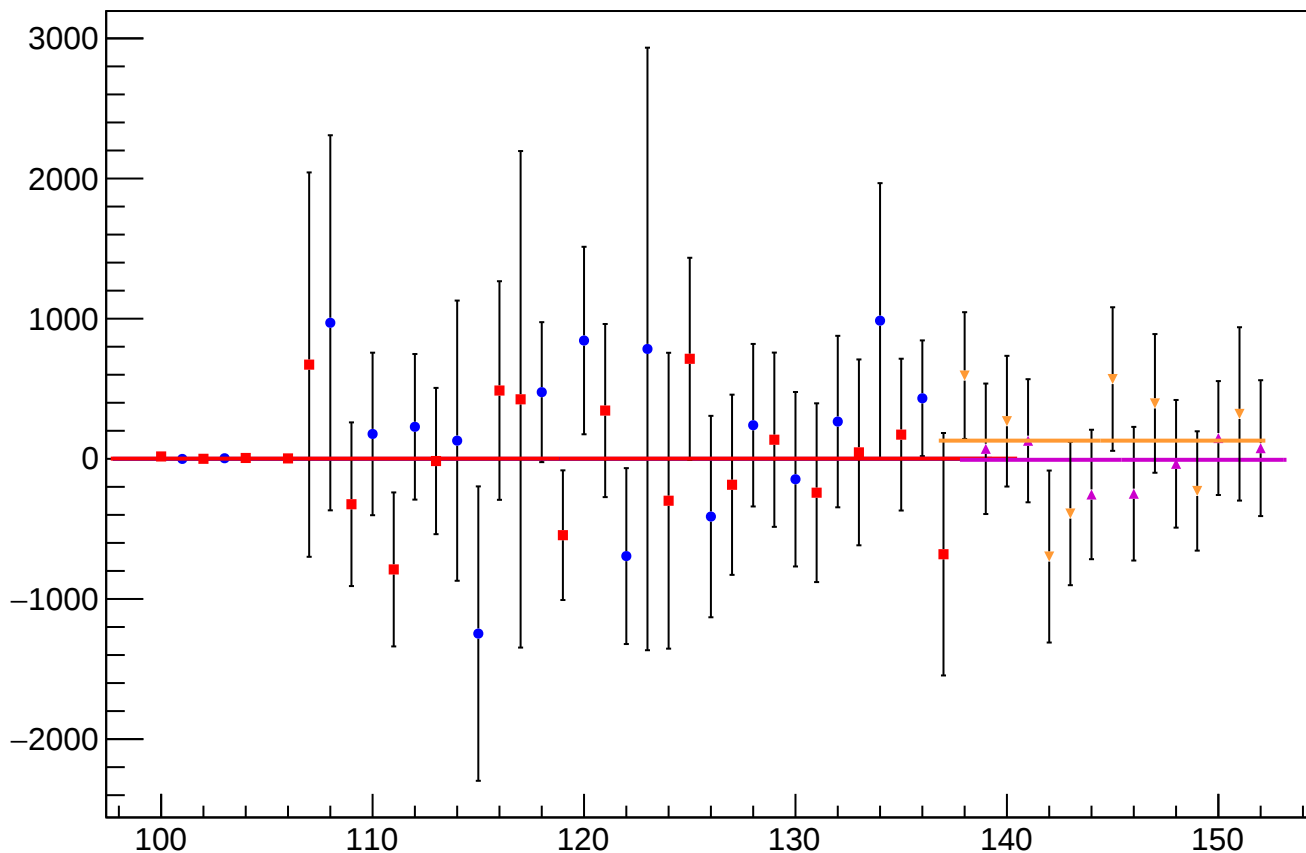
Left In: 235.583+/-0.074 χ^2/NDF : 468595.8/6

225.692+/-0.051 χ^2/NDF : 4731549.2/24

212.764+/-0.034 χ^2/NDF : 9982068.7/51

202.054+/-0.046 χ^2/NDF : 5132907.2/26

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.139 $\pm$ 1.737 χ^2/NDF : 9.8/16

Left Out: 129.755 $\pm$ 176.794 χ^2/NDF : 5.8/7

Right Out: 1.324 $\pm$ 1.623 χ^2/NDF : 9.6/19

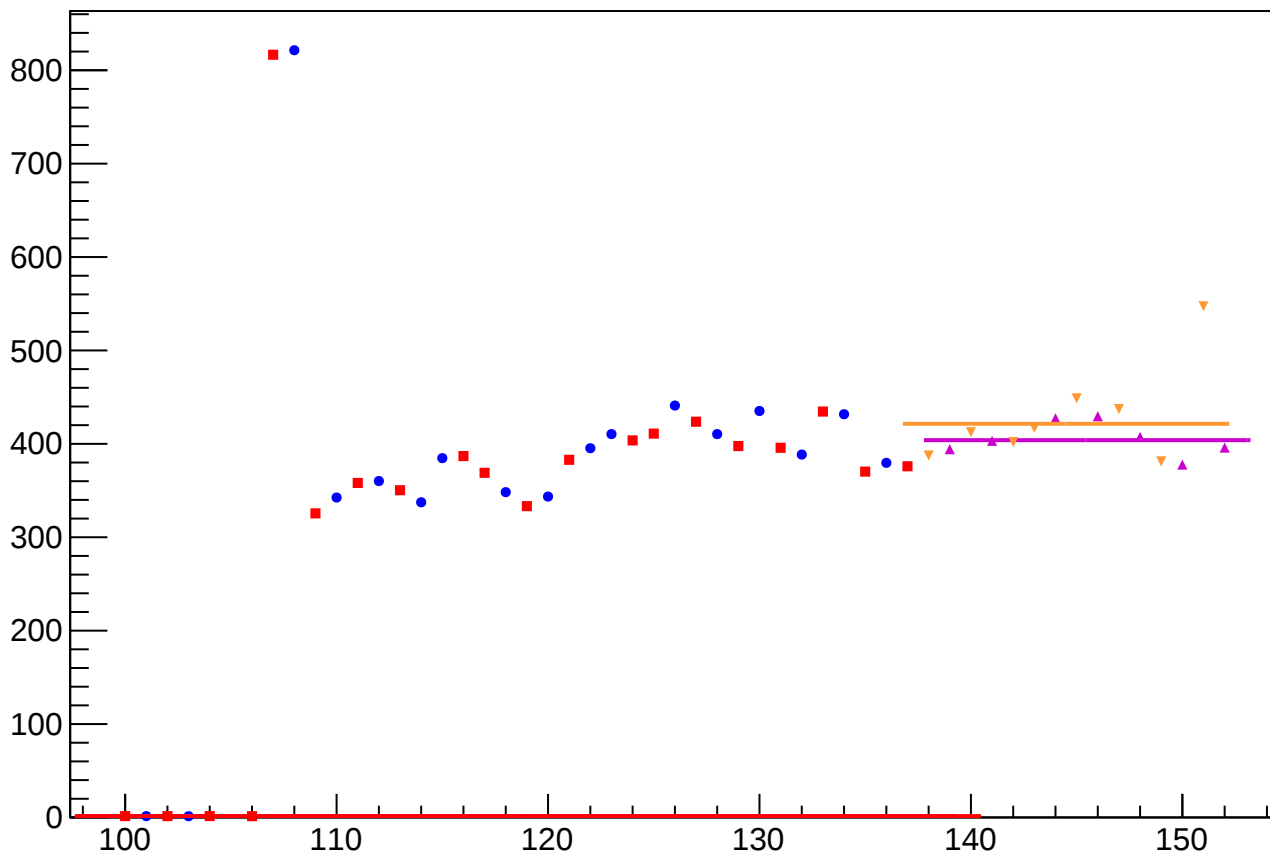
Left In: -7.022 $\pm$ 171.459 χ^2/NDF : 0.8/6

-0.126 $\pm$ 1.737 χ^2/NDF : 16.1/24

0.648 $\pm$ 1.186 χ^2/NDF : 26.9/51

1.323 $\pm$ 1.622 χ^2/NDF : 10.4/26

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

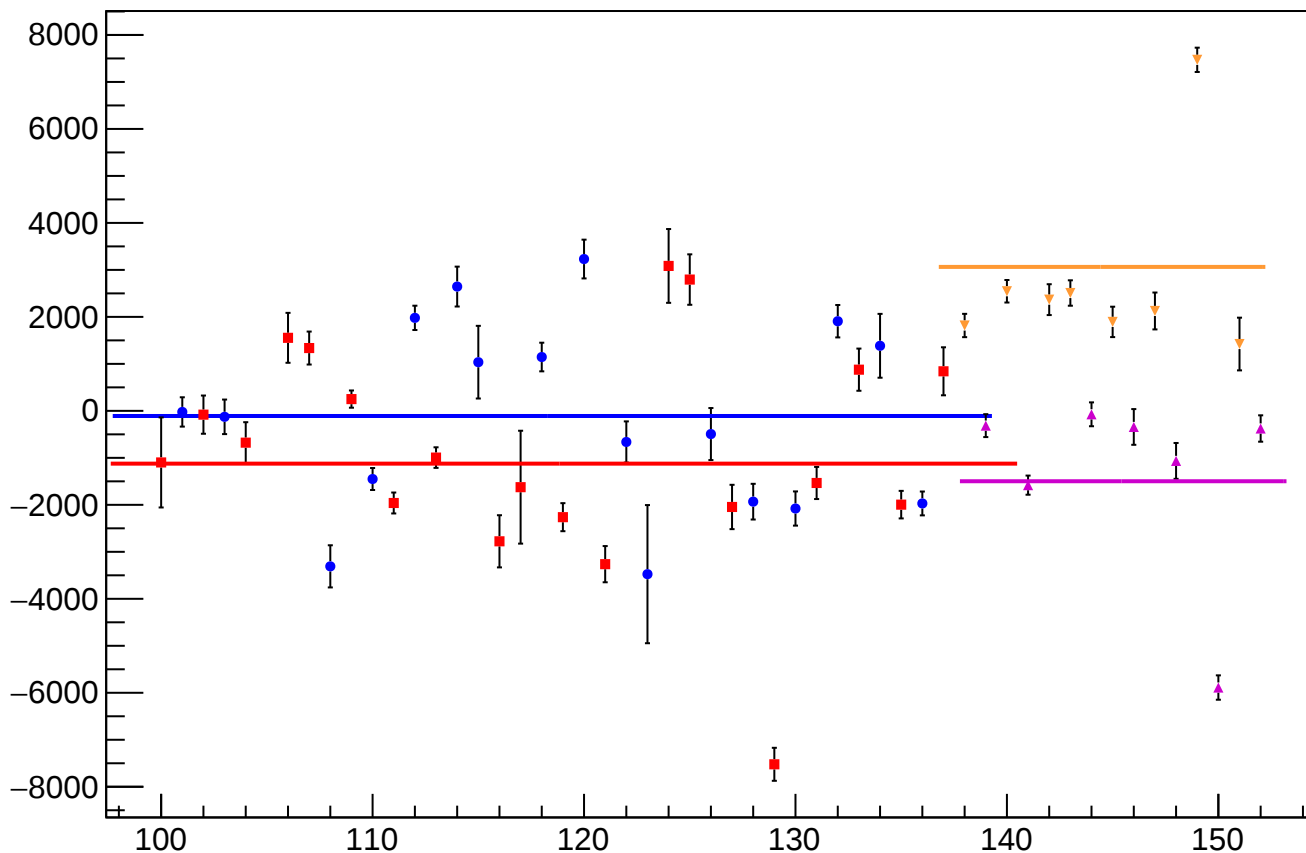
Left In: 403.922+/-0.121 χ^2/NDF :20760.6/6

1.493+/-0.001 χ^2/NDF : 22224975.4/24

1.490+/-0.001 χ^2/NDF : 44224236.9/51

1.487+/-0.001 χ^2/NDF : 21999251.3/26

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

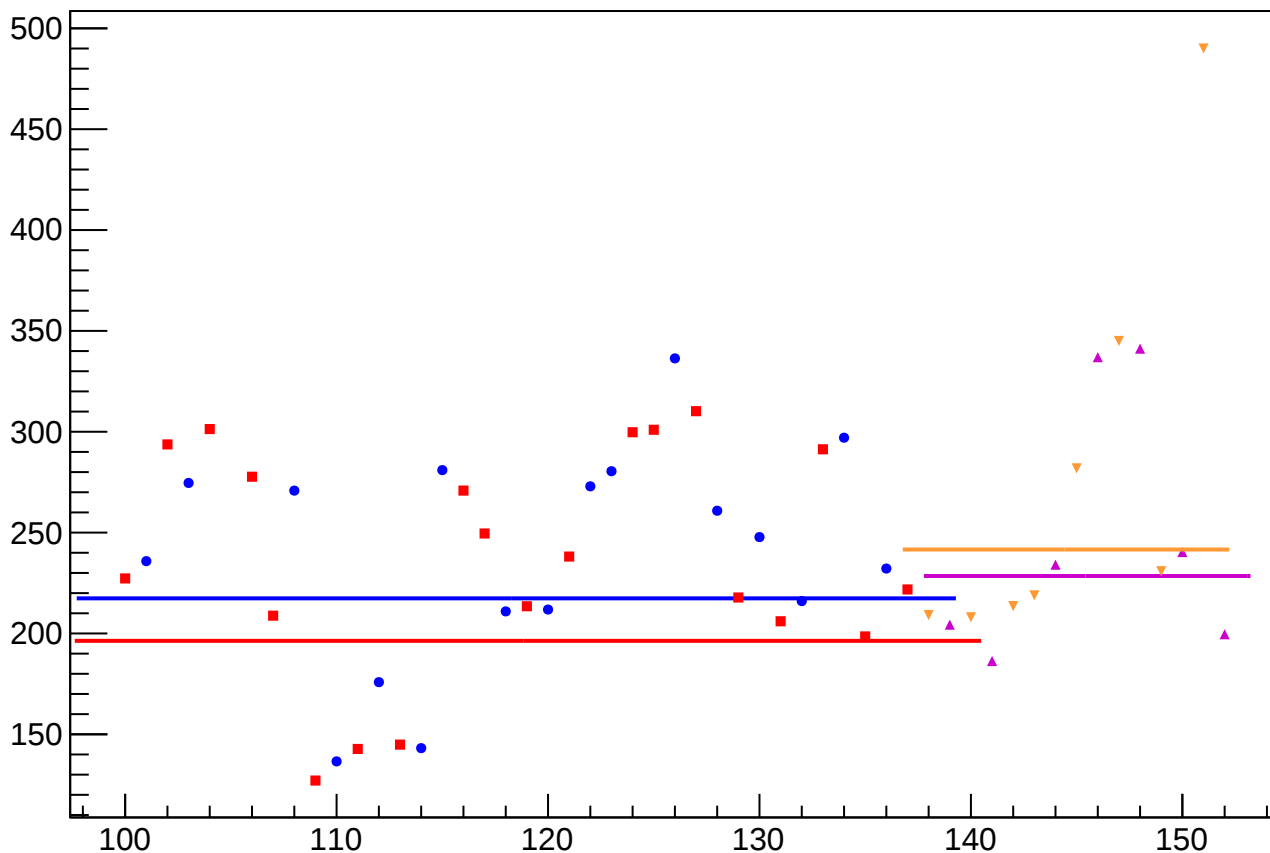
Left In: -1497.953 $\pm$ 101.129 χ^2/NDF : 368.1/6

1199.792 $\pm$ 67.417 χ^2/NDF : 1321.3/24

-137.259 $\pm$ 45.587 χ^2/NDF : 3092.9/51

-1263.584 $\pm$ 61.877 χ^2/NDF : 1046.9/26

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

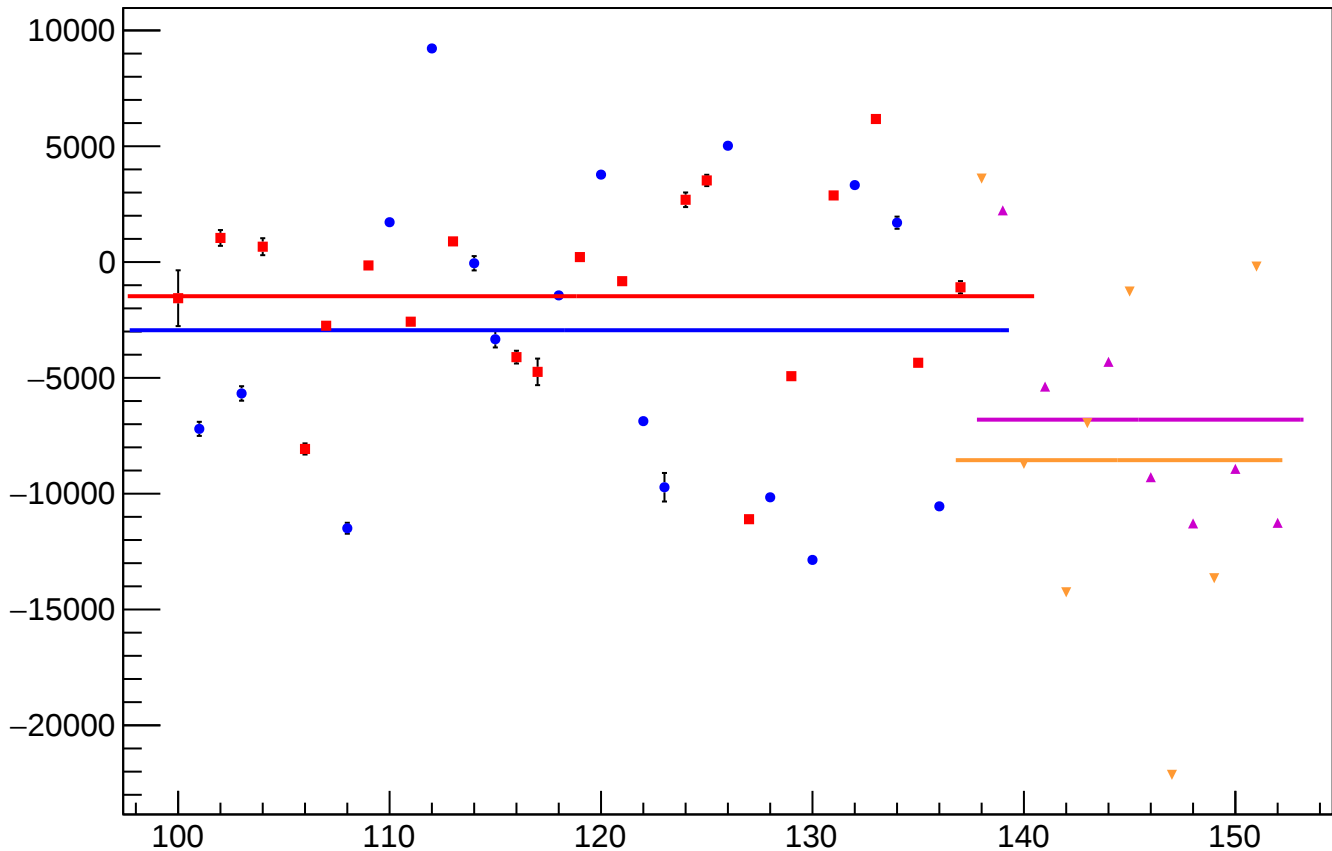
Left In: 228.482 $\pm$ 0.072 χ^2 /NDF:469054.2/6

227.390 $\pm$ 0.048 χ^2 /NDF: 1382843.6/24

217.068 $\pm$ 0.032 χ^2 /NDF: 3259492.7/51

208.372 $\pm$ 0.044 χ^2 /NDF: 1790266.9/26

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2943.123 ± 48.612 $\chi^2/\text{NDF}: 20909.8/16$

Left Out: -8553.017 ± 50.234 $\chi^2/\text{NDF}: 26382.2/7$

Right Out: -1474.497 ± 46.252 $\chi^2/\text{NDF}: 8028.6/19$

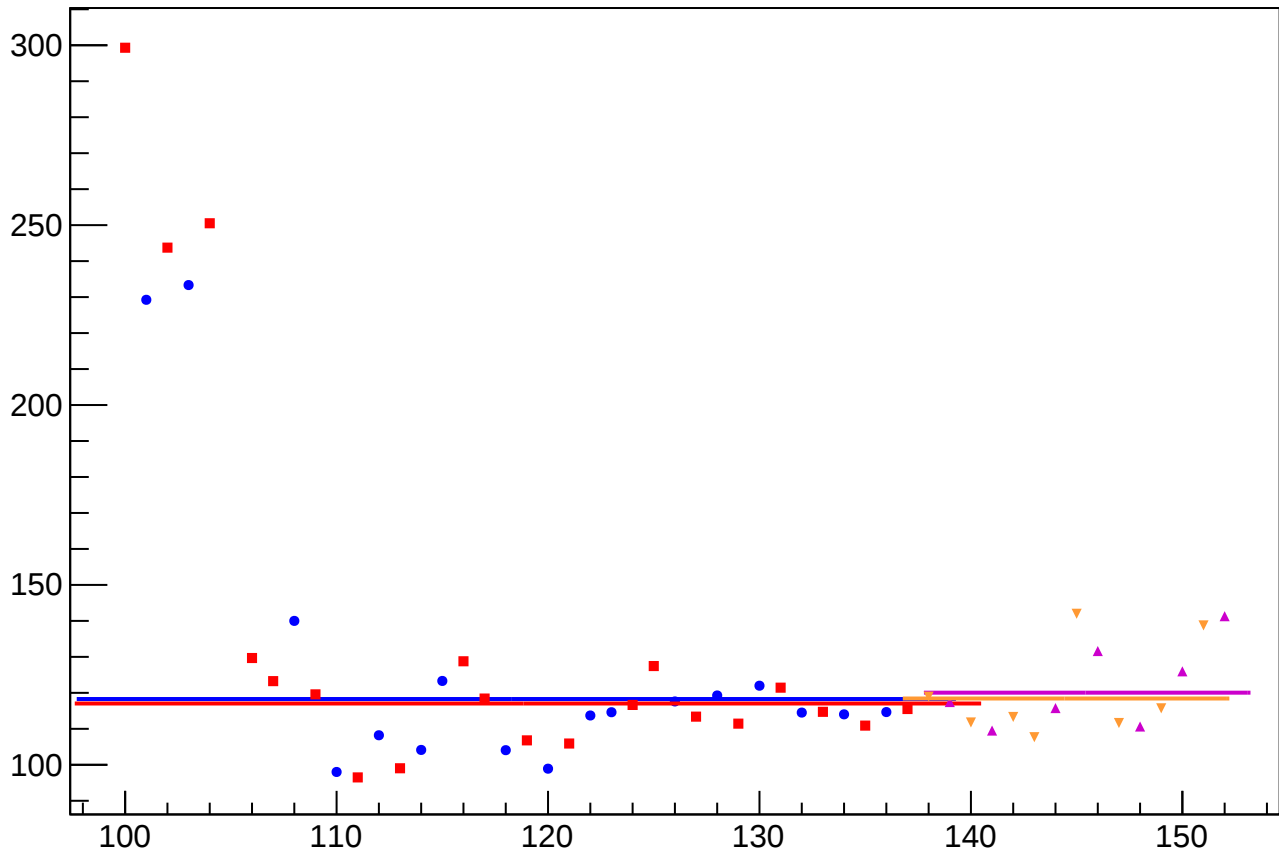
Left In: -6804.319 ± 50.930 $\chi^2/\text{NDF}: 7213.9/6$

-5656.043 ± 34.933 $\chi^2/\text{NDF}: 53732.3/24$

-4751.986 ± 24.453 $\chi^2/\text{NDF}: 76289.6/51$

-3883.465 ± 34.240 $\chi^2/\text{NDF}: 21244.2/26$

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.286 $\pm$ 0.034 χ^2 /NDF: 636918.0/16

Left Out: 118.428 $\pm$ 0.036 χ^2 /NDF: 101532.1/7

Right Out: 117.040 $\pm$ 0.033 χ^2 /NDF: 690873.1/19

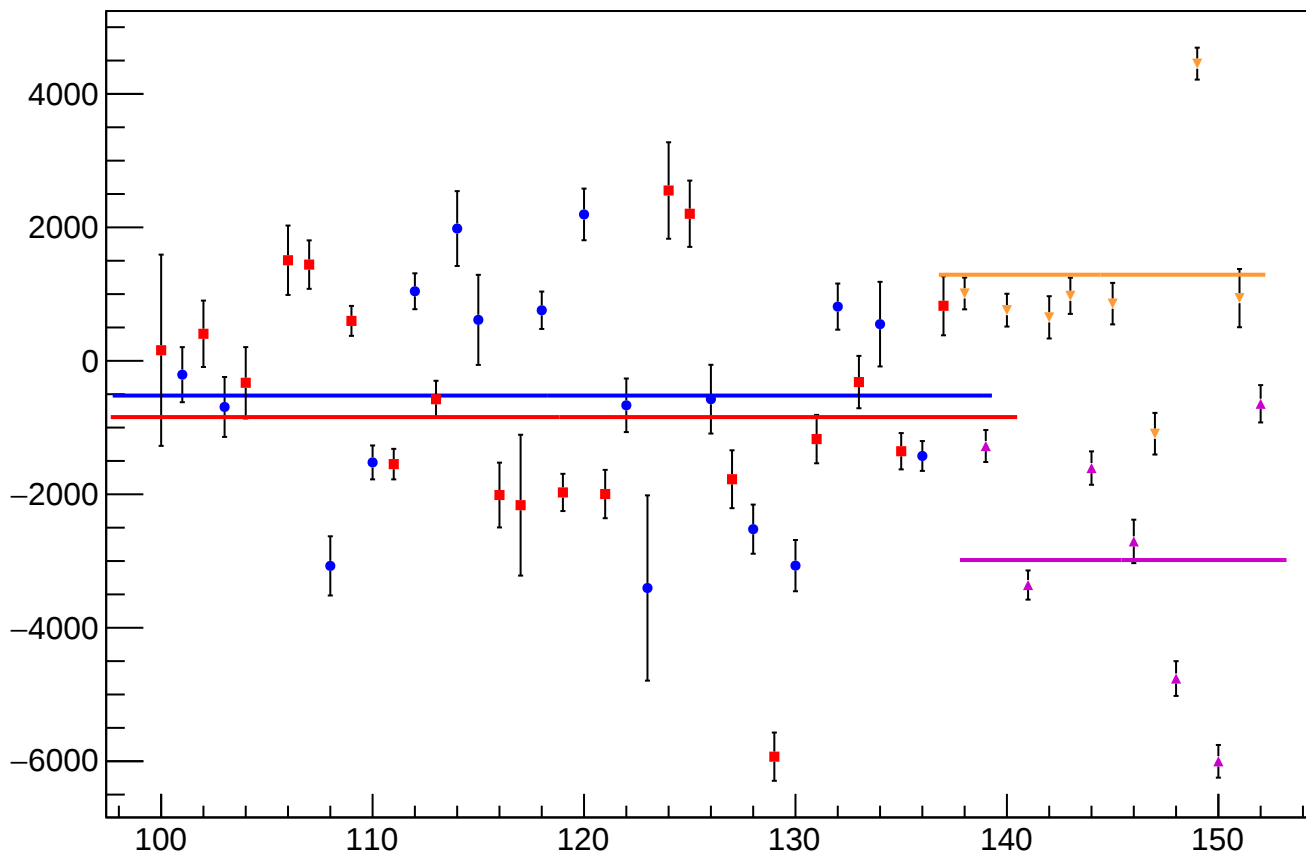
Left In: 120.050 $\pm$ 0.036 χ^2 /NDF: 82772.9/6

118.354 $\pm$ 0.025 χ^2 /NDF: 738458.3/24

118.378 $\pm$ 0.017 χ^2 /NDF: 1515932.8/51

118.401 $\pm$ 0.024 χ^2 /NDF: 777472.7/26

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -520.267 $\pm$ 89.241 χ^2/NDF : 288.1/16

Left Out: 1290.960 $\pm$ 99.460 χ^2/NDF :247.1/7

Right Out: -842.858 $\pm$ 82.024 χ^2/NDF : 436.3/19

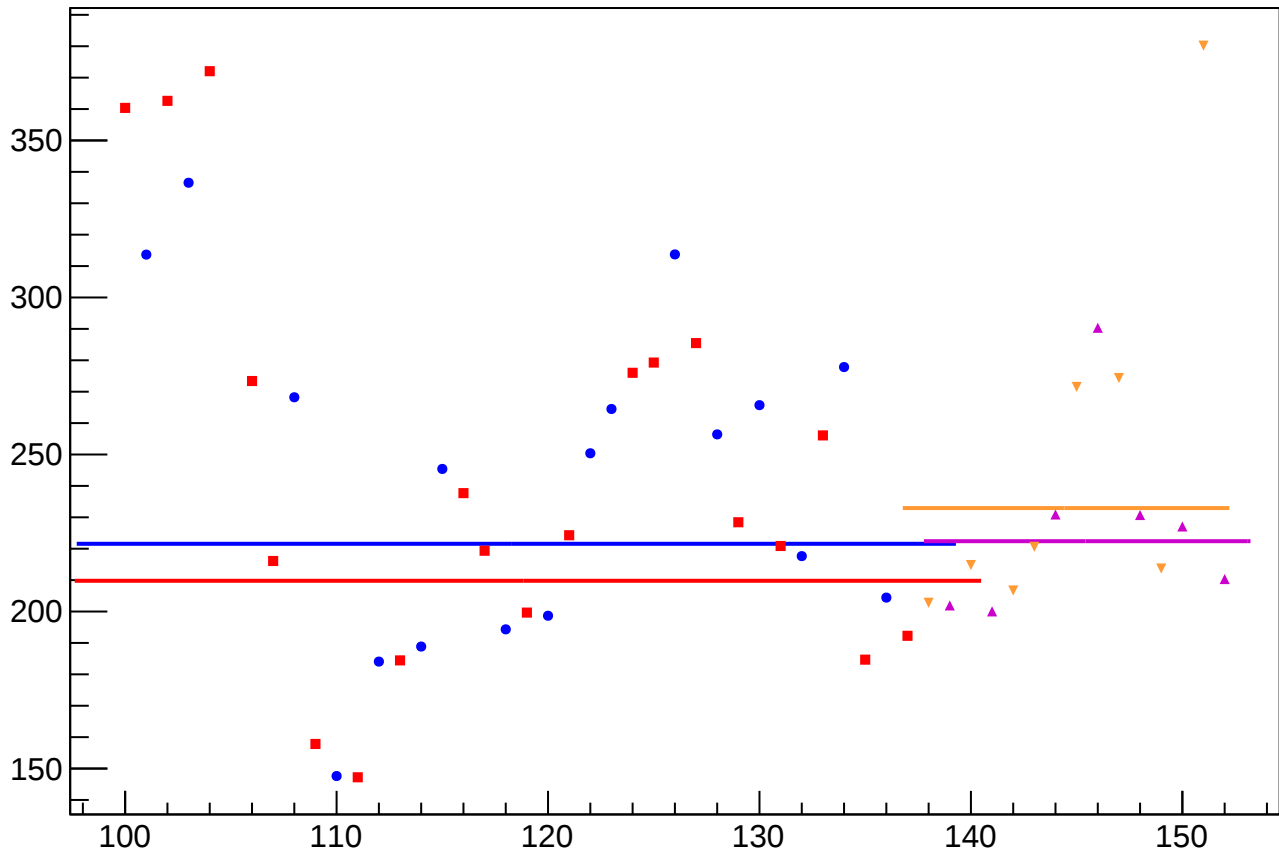
Left In: -2984.906 $\pm$ 96.253 χ^2/NDF :352.9/6

287.545 $\pm$ 66.423 χ^2/NDF : 718.9/24

-791.113 $\pm$ 45.491 χ^2/NDF : 2291.7/51

-1744.004 $\pm$ 62.431 χ^2/NDF : 1076.1/26

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

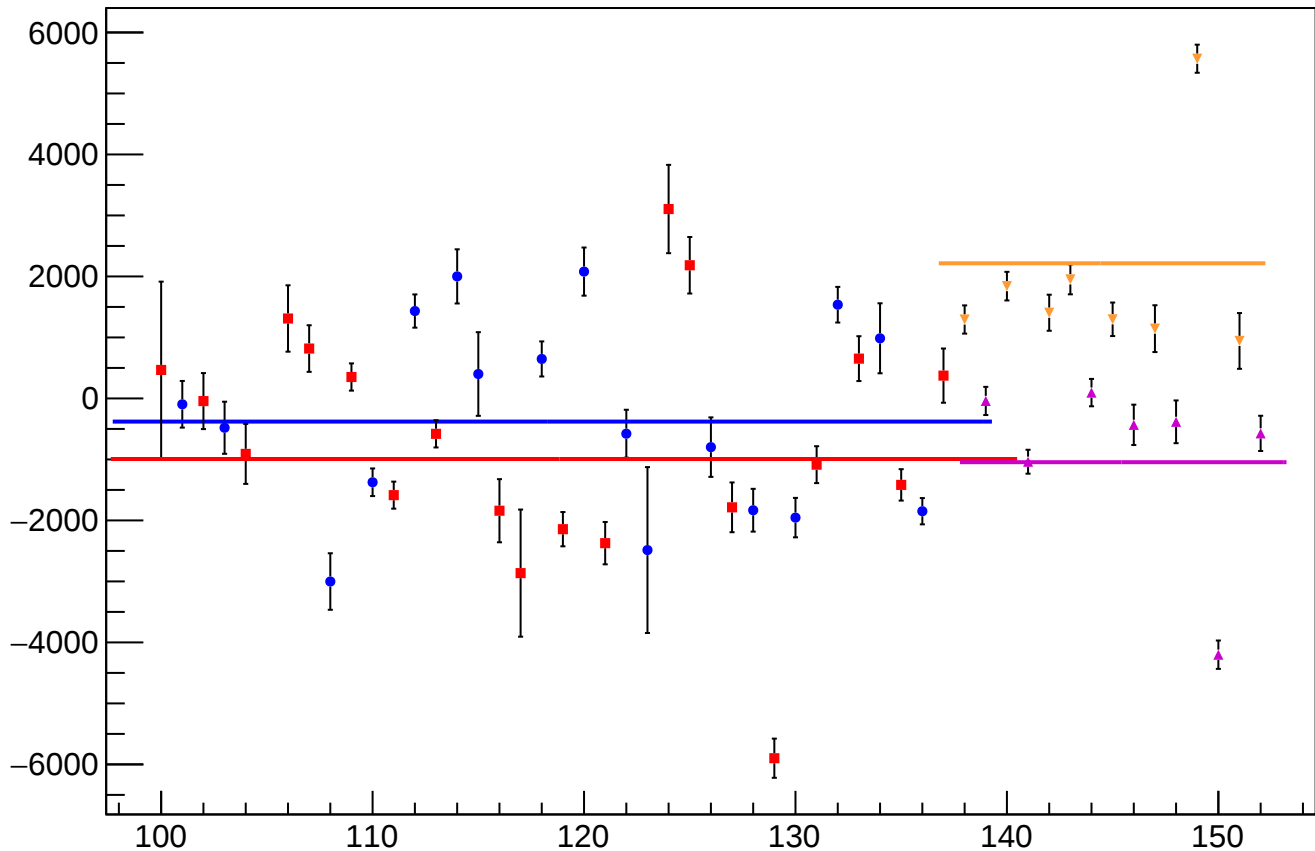
Left In: 222.398 $\pm$ 0.068 χ^2 /NDF: 131508.2/6

226.643 $\pm$ 0.047 χ^2 /NDF: 1027013.0/24

220.512 $\pm$ 0.032 χ^2 /NDF: 2094562.9/51

215.096 $\pm$ 0.044 χ^2 /NDF: 1035460.9/26

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -379.647 ± 84.260 $\chi^2/\text{NDF}: 317.2/16$

Left Out: 2215.499 ± 95.942 $\chi^2/\text{NDF}: 265.9/7$

Right Out: -992.944 ± 77.509 $\chi^2/\text{NDF}: 479.5/19$

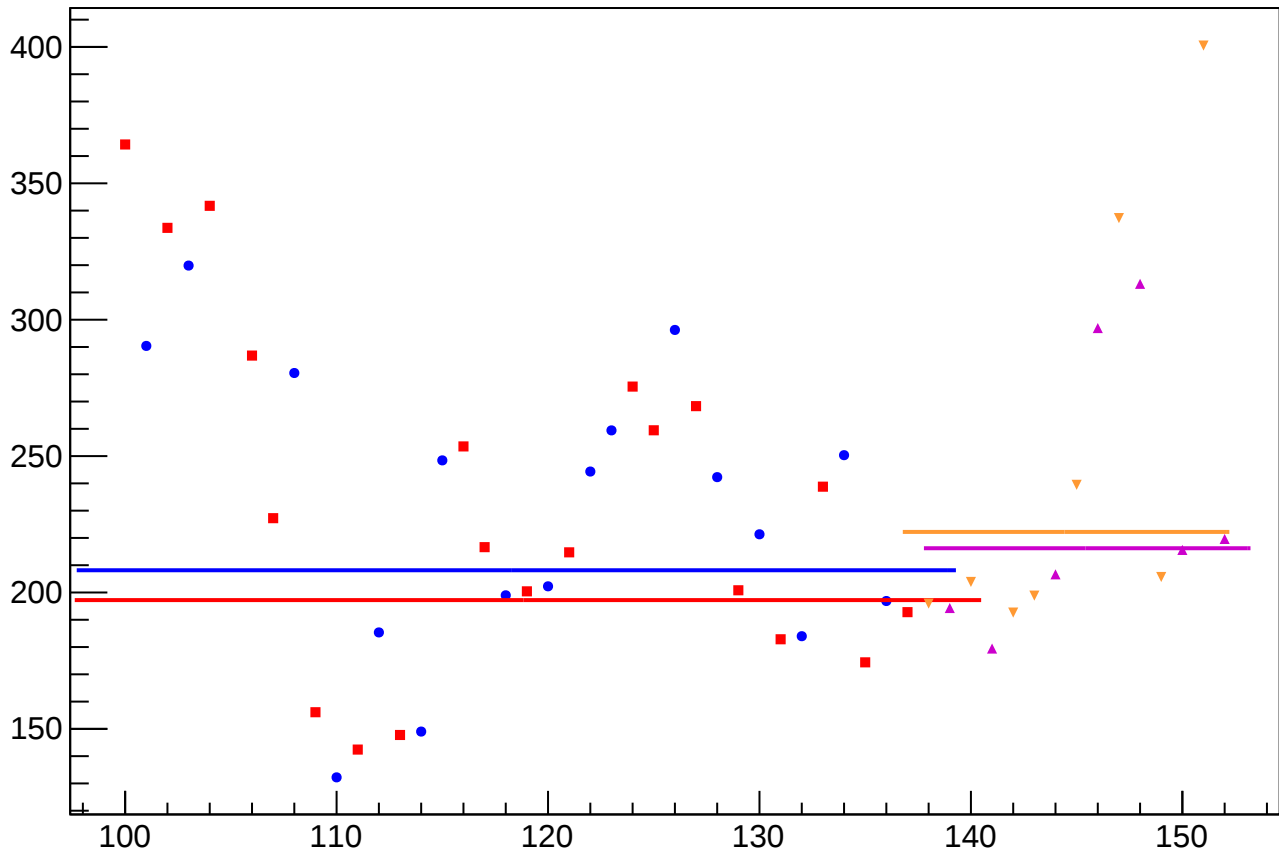
Left In: -1045.418 ± 94.361 $\chi^2/\text{NDF}: 238.5/6$

750.382 ± 63.310 $\chi^2/\text{NDF}: 996.1/24$

-180.742 ± 43.509 $\chi^2/\text{NDF}: 2124.1/51$

-1014.085 ± 59.894 $\chi^2/\text{NDF}: 718.1/26$

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.151 $\pm$ 0.060 χ^2 /NDF: 699084.2/16

Left Out: 222.207 $\pm$ 0.068 χ^2 /NDF: 578599.6/7

Right Out: 197.210 $\pm$ 0.055 χ^2 /NDF: 927165.0/19

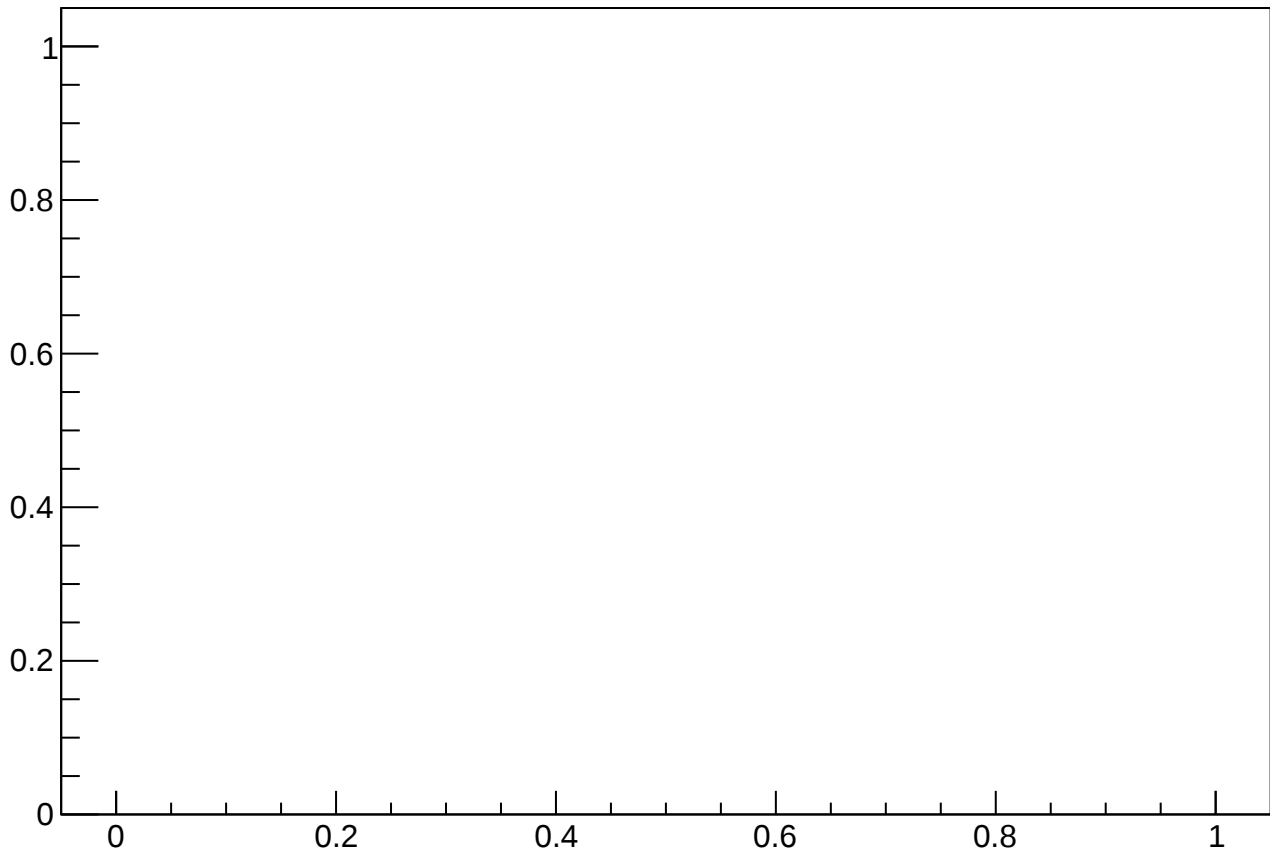
Left In: 216.222 $\pm$ 0.067 χ^2 /NDF: 364082.5/6

214.271 $\pm$ 0.045 χ^2 /NDF: 1301919.4/24

209.310 $\pm$ 0.031 χ^2 /NDF: 2664918.3/51

204.870 $\pm$ 0.042 χ^2 /NDF: 1339725.1/26

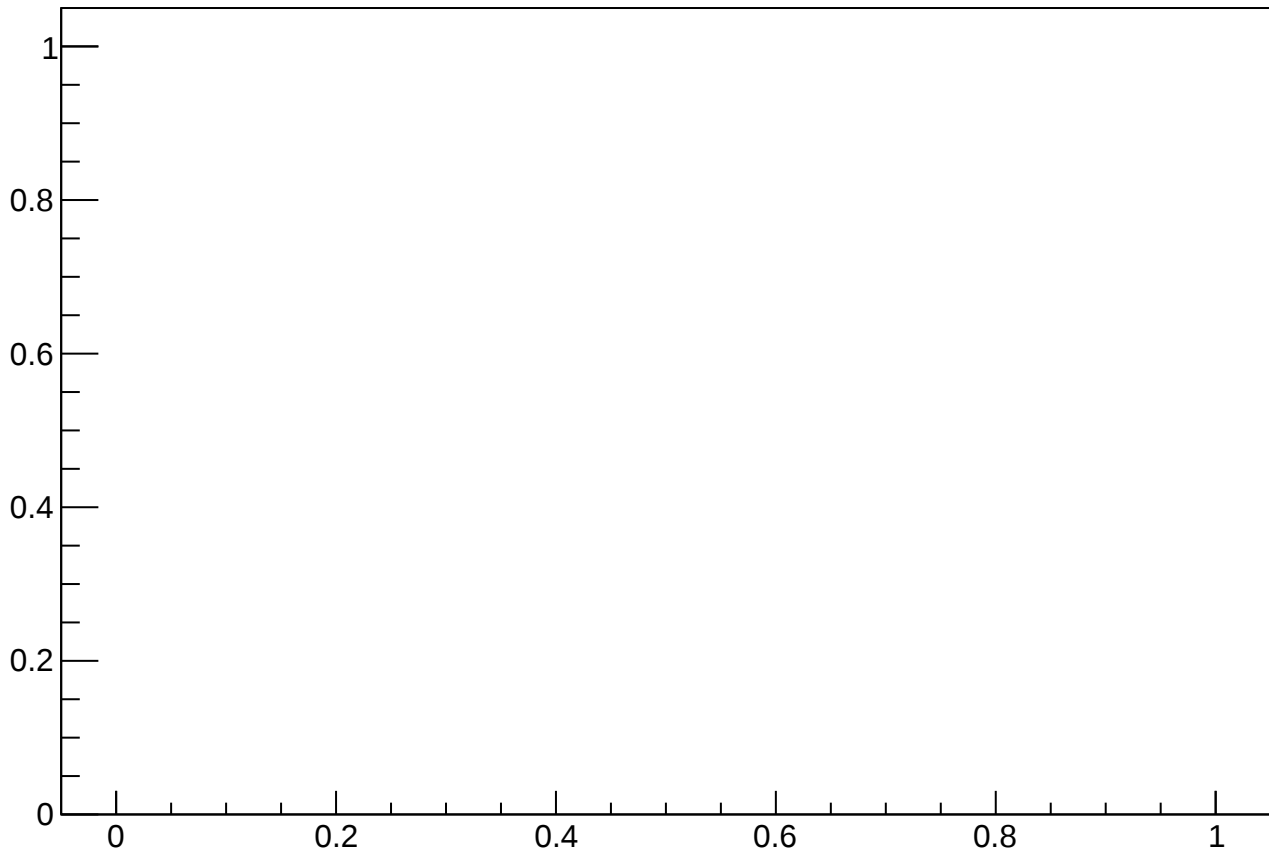
bcm_an_us_ds_dd_mean vs Slug, Sign Corrected



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

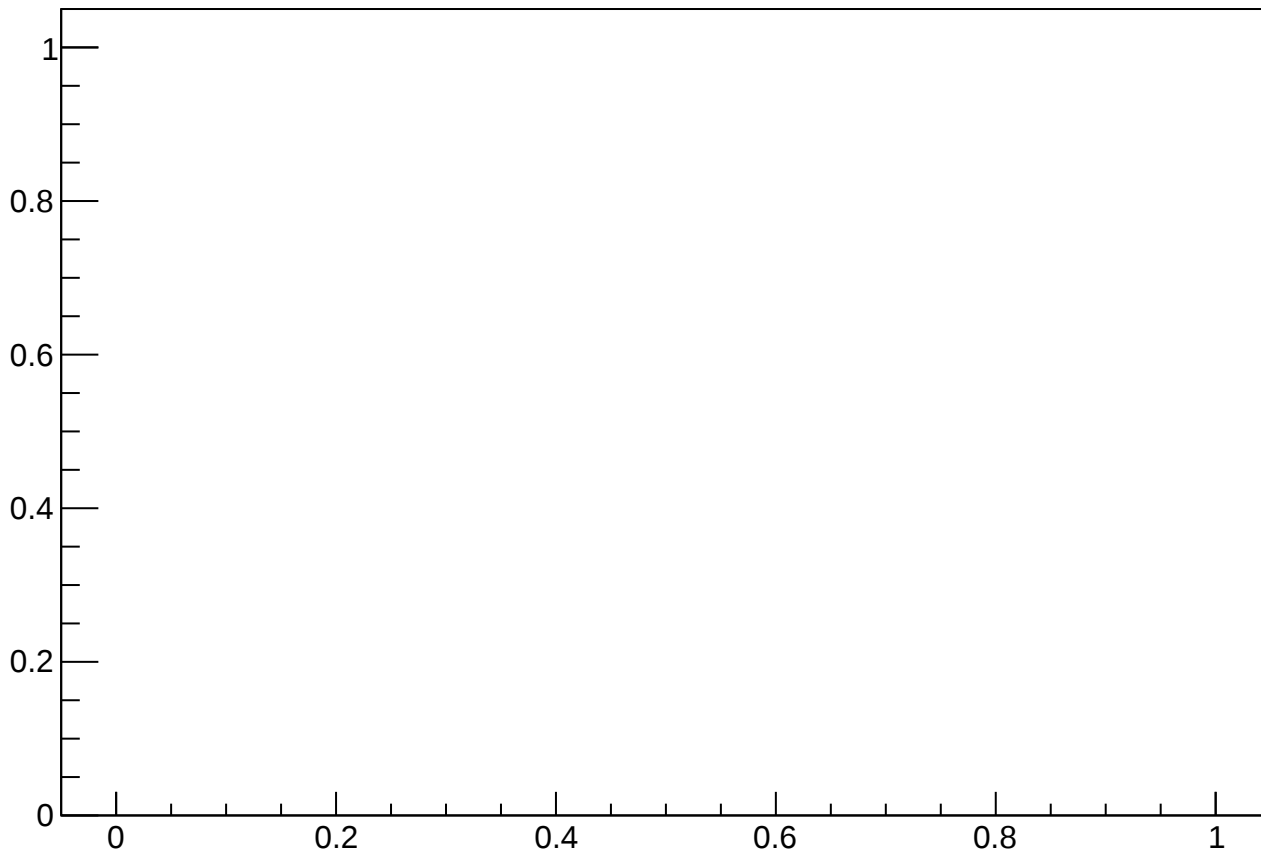
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

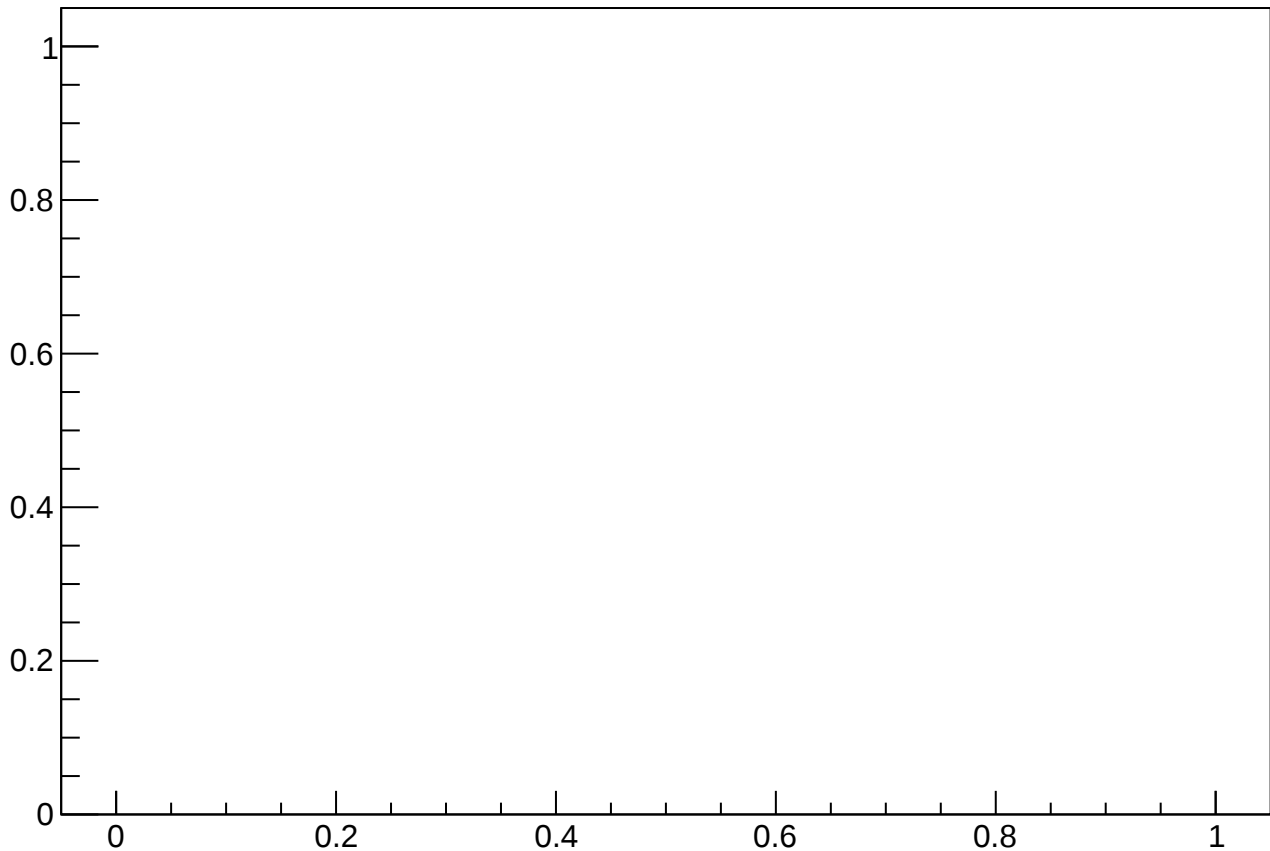
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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+/-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

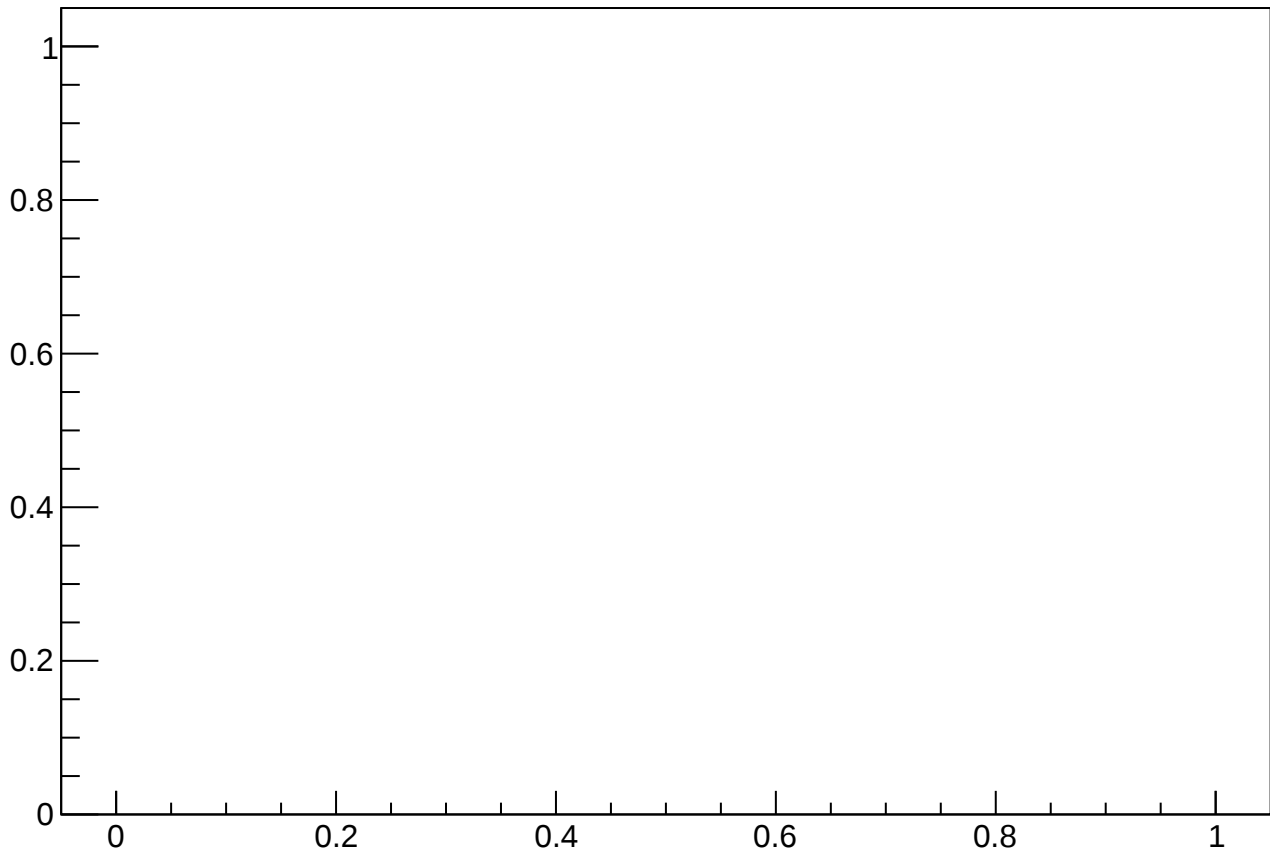
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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_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

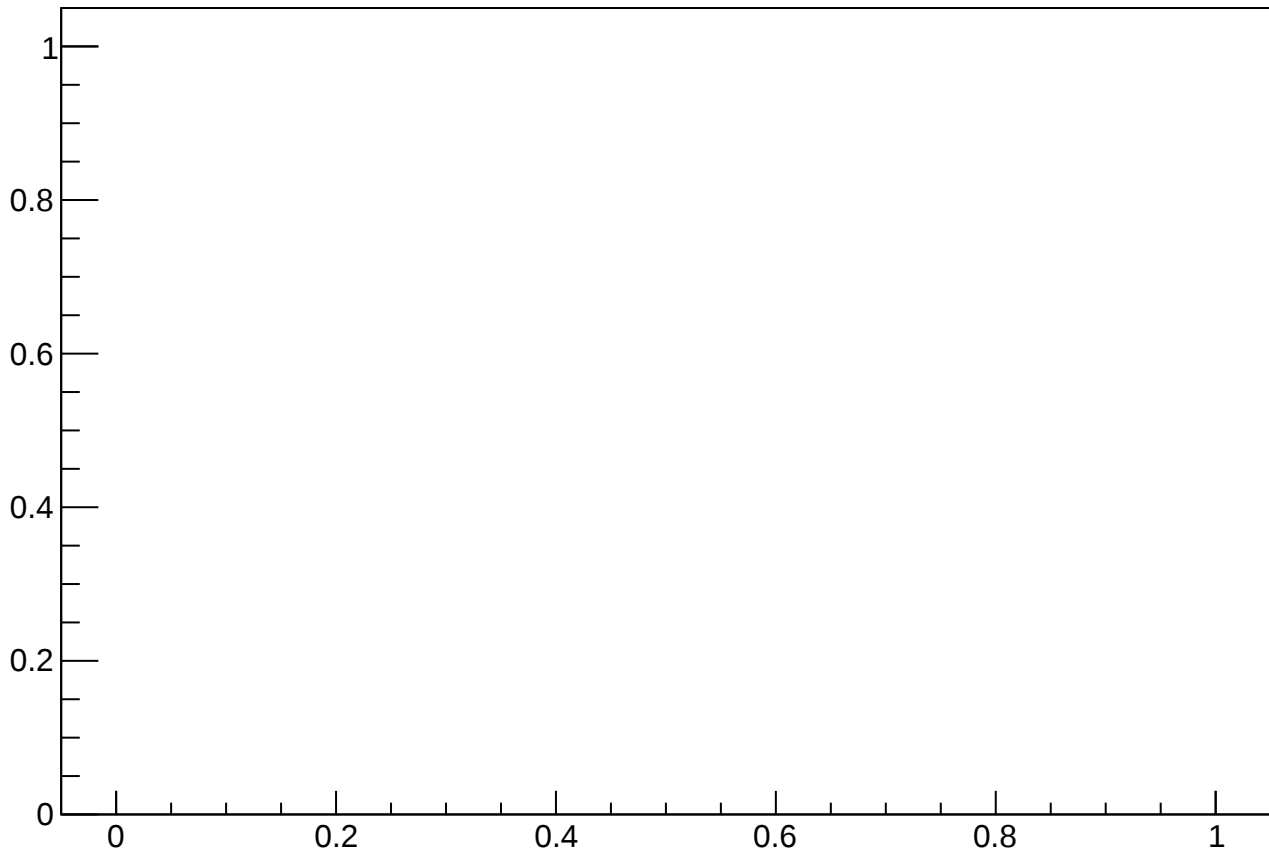
bcm_dg_ds_ds_dd_mean vs Slug, Sign Corrected



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

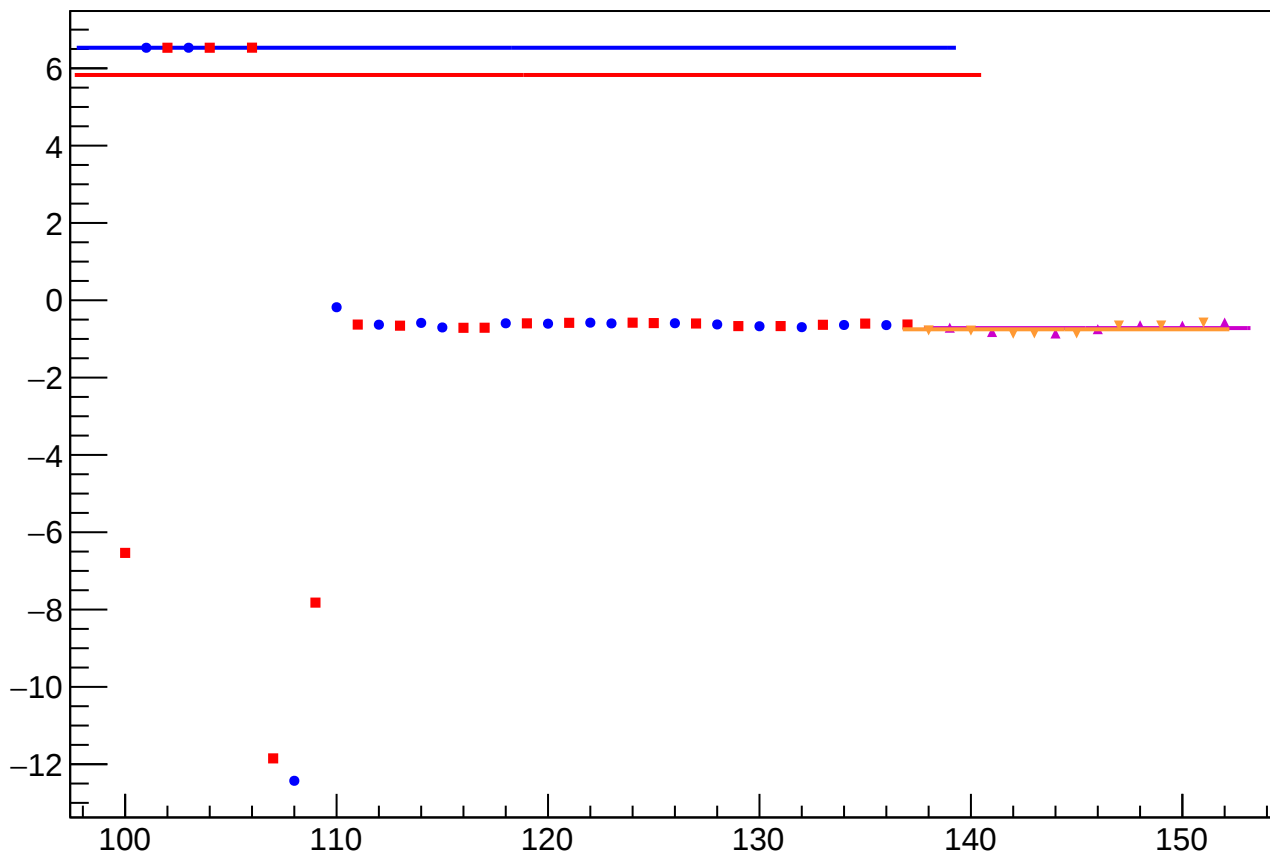
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

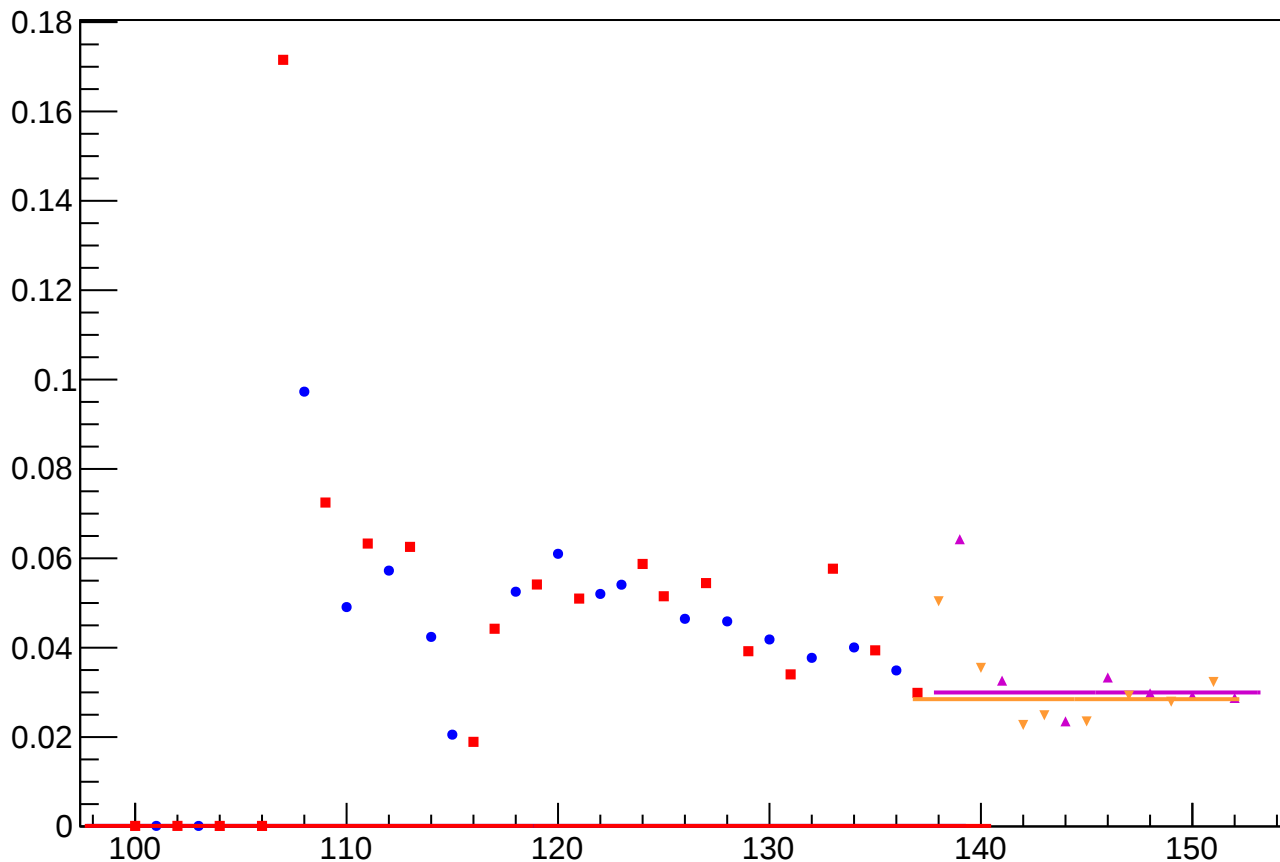
Left In: -0.719+/-0.000 χ^2/NDF : 52115268.0/6

6.531+/-0.000 χ^2/NDF : 407519757327.6/24

6.154+/-0.000 χ^2/NDF : 77657671871473

5.827+/-0.000 χ^2/NDF : 756171927160485.1/26

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

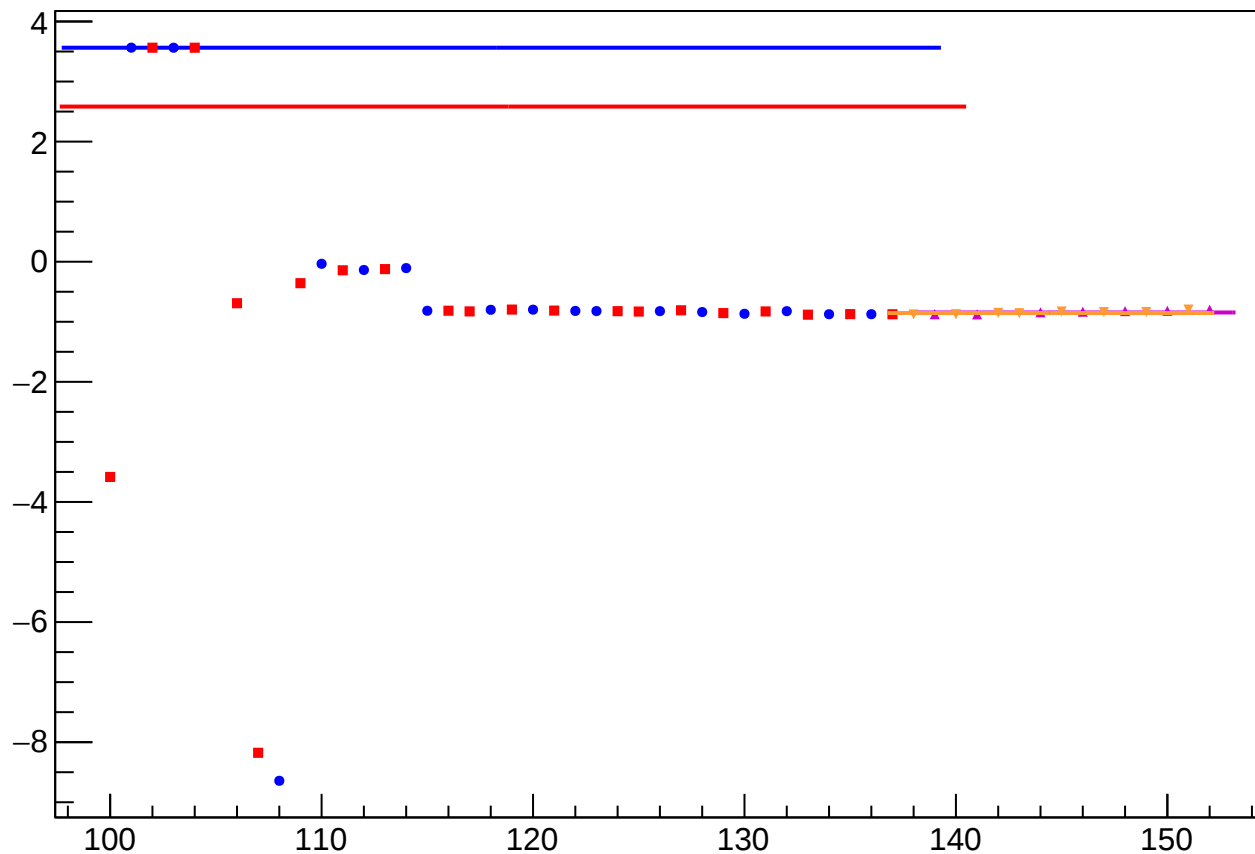
Left In: 0.030+/-0.000 χ^2/NDF :516836.4/6

0.000+/-0.000 χ^2/NDF : 17785073.6/24

0.000+/-0.000 χ^2/NDF : 36375011.4/51

0.000+/-0.000 χ^2/NDF : 18589596.9/26

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

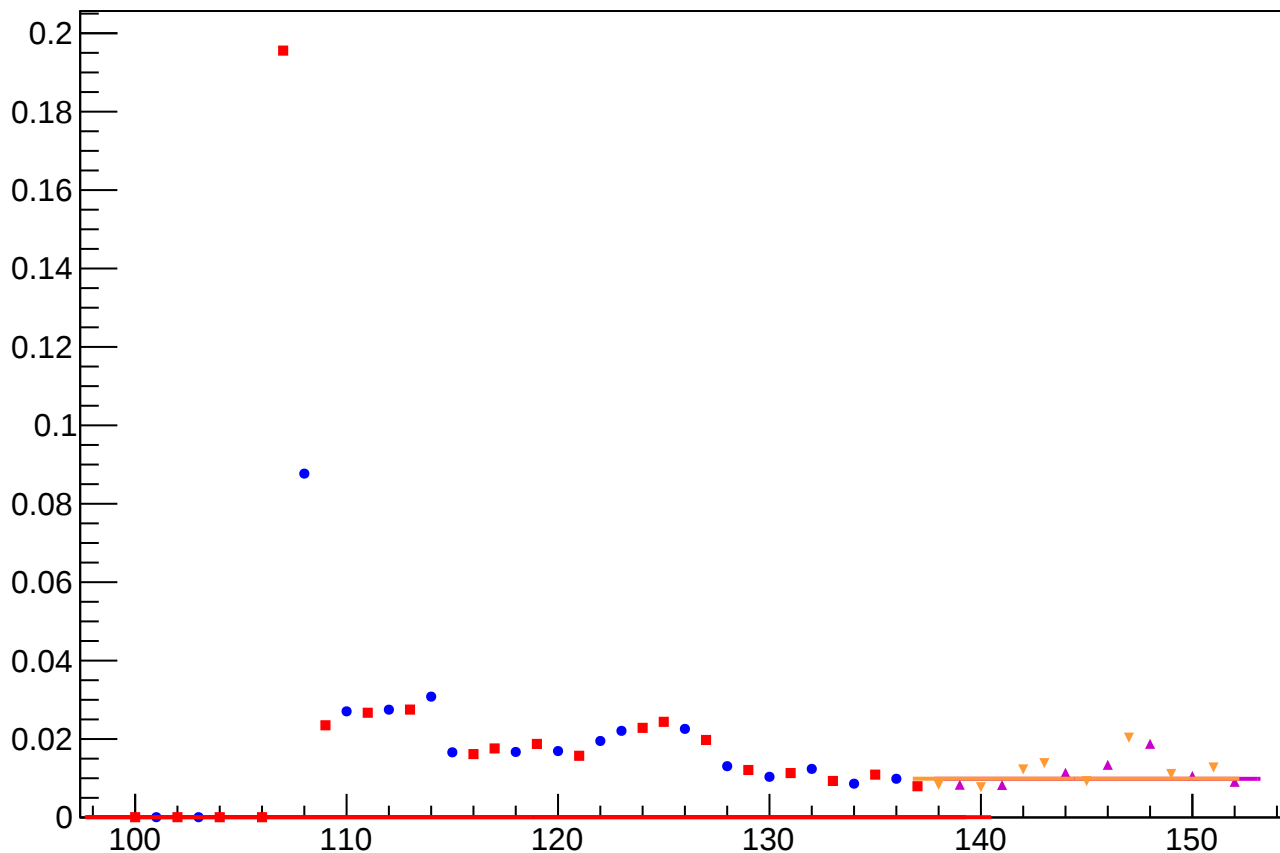
Left In: -0.845+/-0.000 χ^2/NDF : 45088203.0/6

3.563+/-0.000 χ^2/NDF : 1344745359027.6/24

3.040+/-0.000 χ^2/NDF : 13836182796731

2.583+/-0.000 χ^2/NDF : 1254041456022020.5/2

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

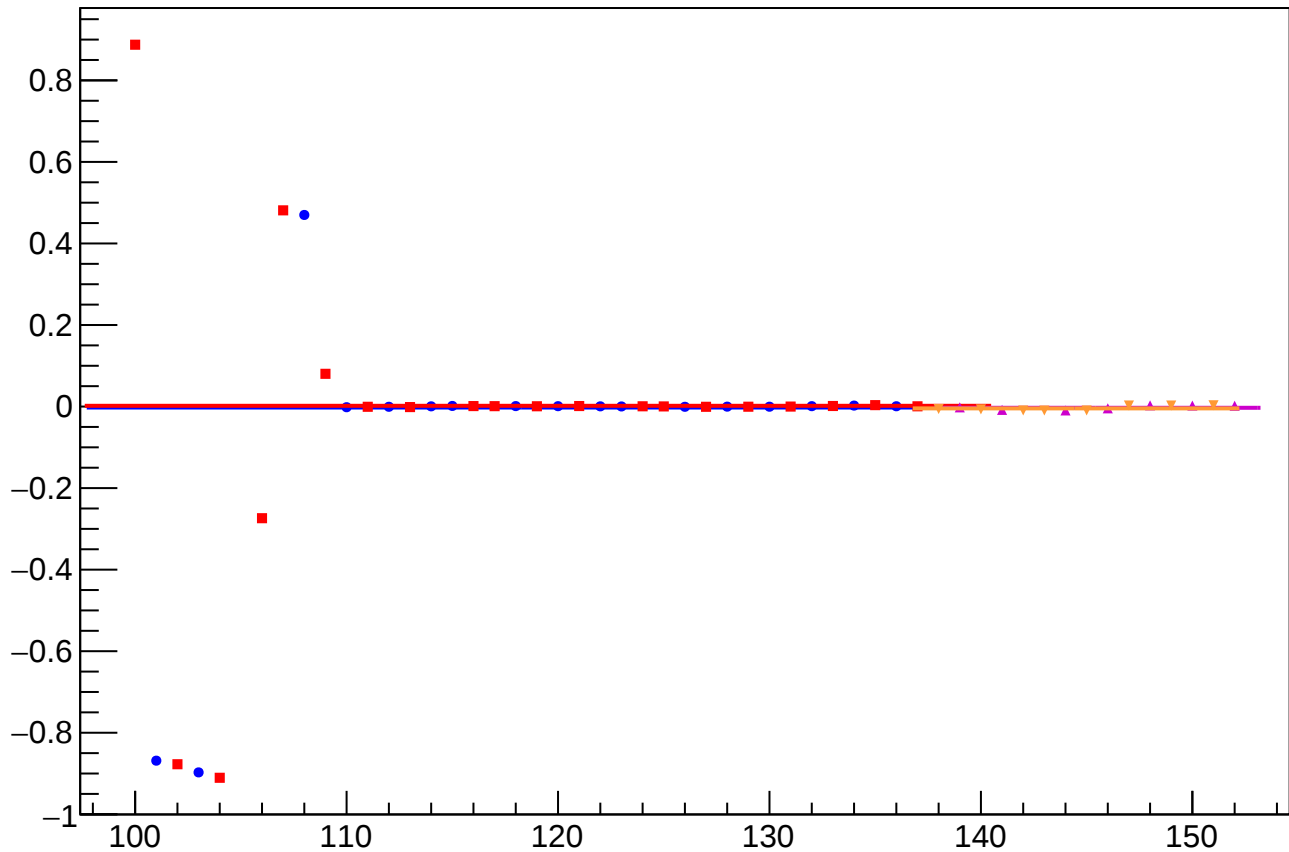
Left In: 0.010+/-0.000 χ^2/NDF : 532034.7/6

0.000+/-0.000 χ^2/NDF : 18954856.6/24

0.000+/-0.000 χ^2/NDF : 38186843.3/51

0.000+/-0.000 χ^2/NDF : 19231616.6/26

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.000 χ^2 /NDF: 9794863405.3/16

Left Out: -0.005+/-0.000 χ^2 /NDF: 60621884.9/7

Right Out: 0.002+/-0.000 χ^2 /NDF: 3041323813.4/19

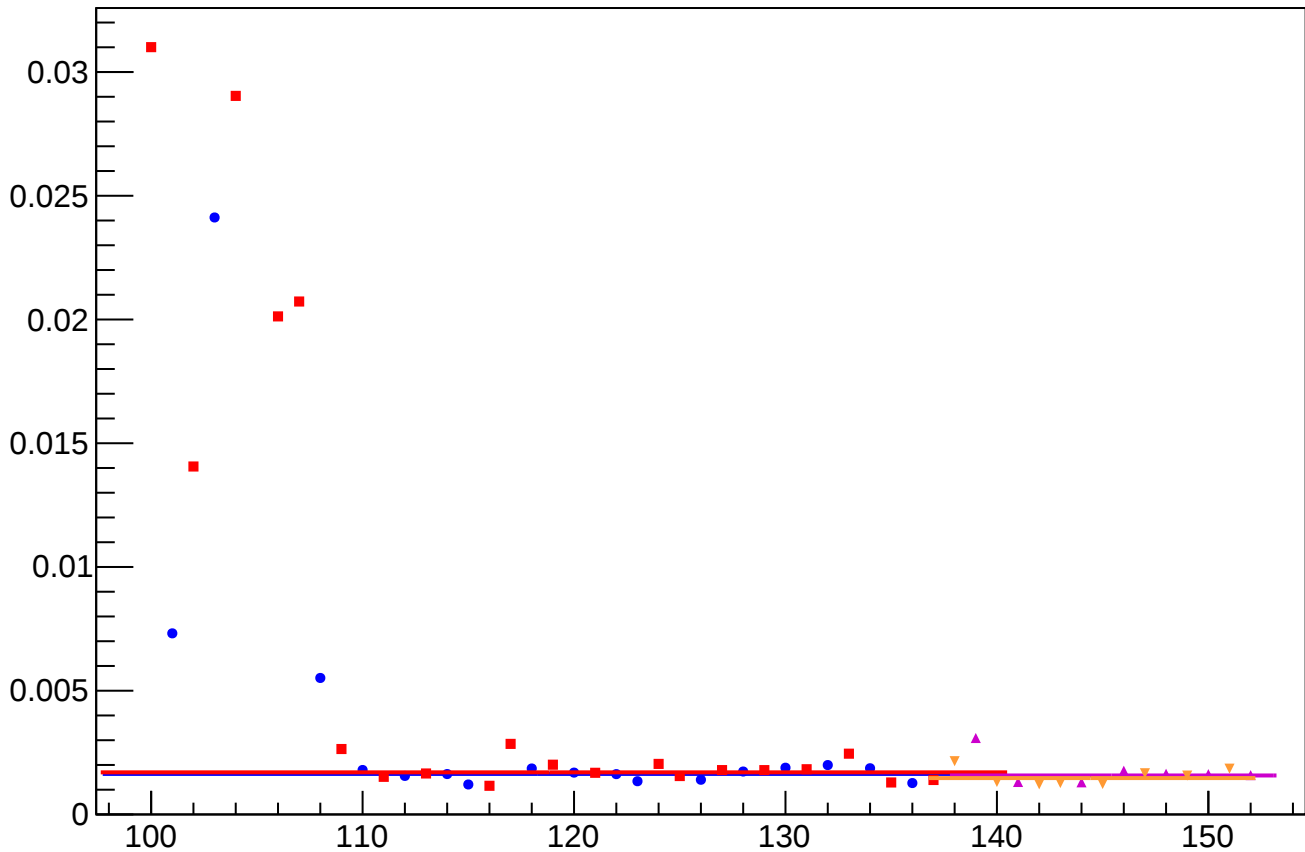
Left In: -0.003+/-0.000 χ^2 /NDF: 47927706.9/6

-0.004+/-0.000 χ^2 /NDF: 9859696467.1/24

-0.002+/-0.000 χ^2 /NDF: 12981961232.8/5

-0.001+/-0.000 χ^2 /NDF: 3108989965.6/26

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002 ± 0.000 χ^2/NDF : 1916349.1/16

Left Out: 0.001 ± 0.000 χ^2/NDF : 304904.8/7

Right Out: 0.002 ± 0.000 χ^2/NDF : 3037006.7/19

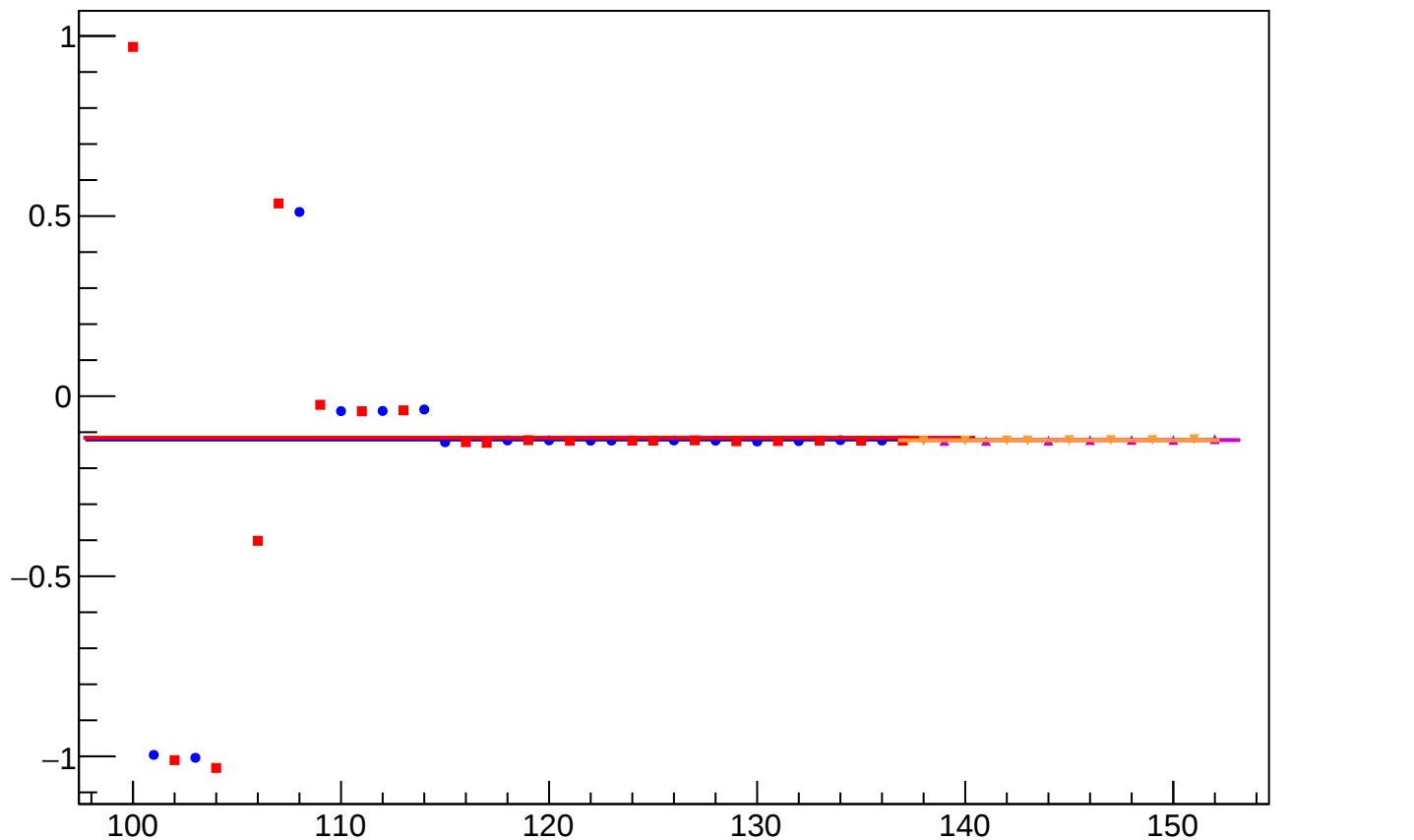
Left In: 0.002 ± 0.000 χ^2/NDF : 468270.3/6

0.002 ± 0.000 χ^2/NDF : 2272478.1/24

0.002 ± 0.000 χ^2/NDF : 5830703.0/51

0.002 ± 0.000 χ^2/NDF : 3531639.6/26

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

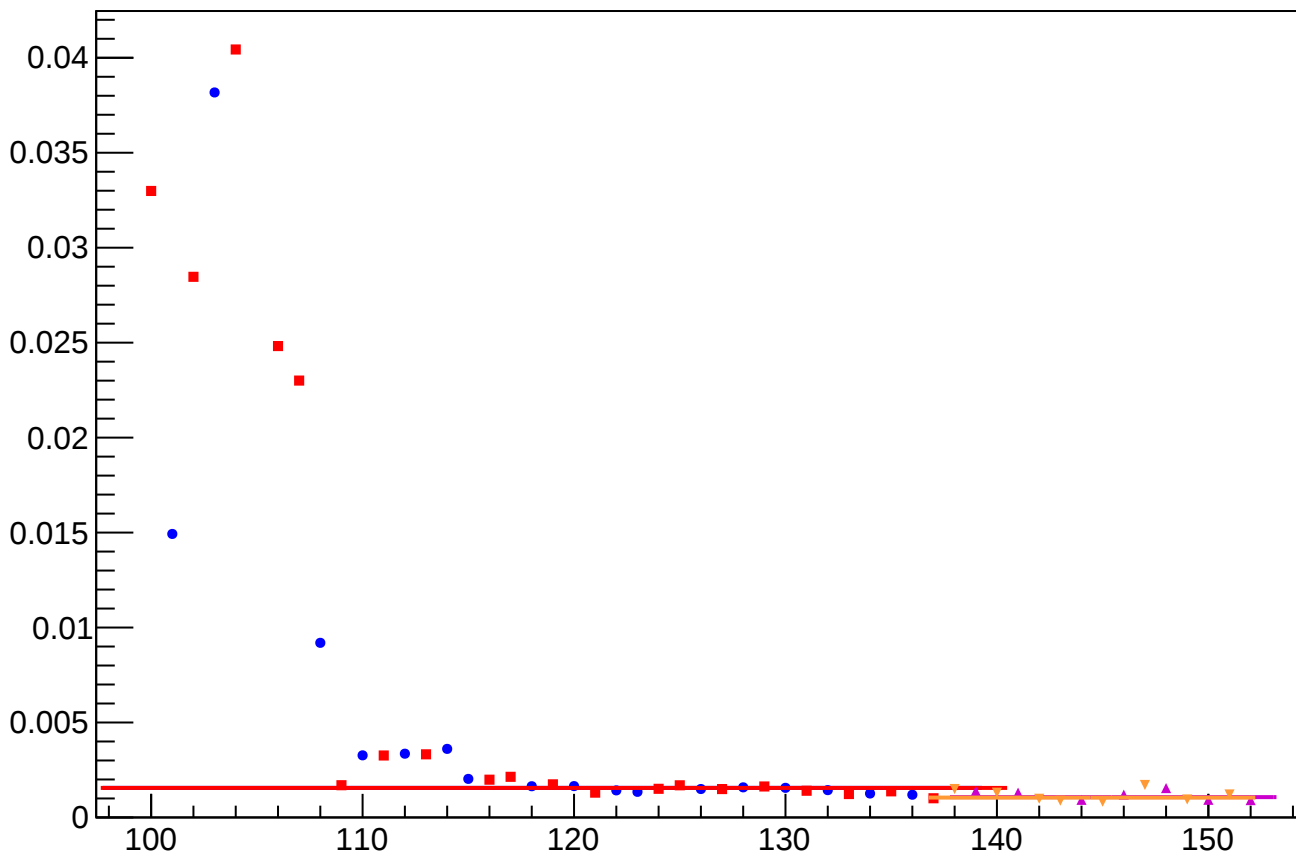
Left In: -0.122+/-0.000 χ^2/NDF : 11805168.4/6

-0.122+/-0.000 χ^2/NDF : 3943894246.4/24

-0.121+/-0.000 χ^2/NDF : 6478930763.1/5

-0.120+/-0.000 χ^2/NDF : 2524763787.8/26

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 2901093.3/16

Left Out: 0.001+/-0.000 χ^2/NDF : 588862.5/7

Right Out: 0.002+/-0.000 χ^2/NDF : 3545212.9/19

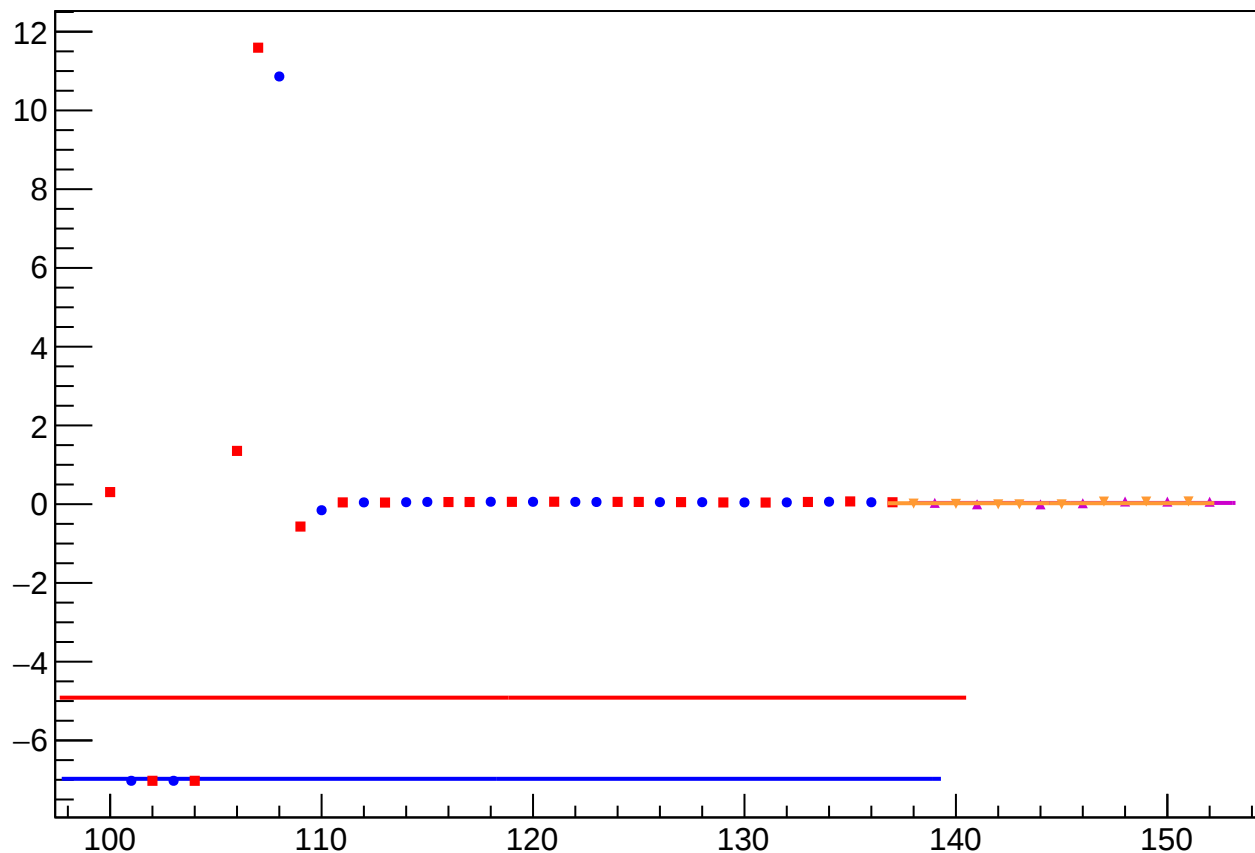
Left In: 0.001+/-0.000 χ^2/NDF : 402317.6/6

0.001+/-0.000 χ^2/NDF : 4186418.6/24

0.001+/-0.000 χ^2/NDF : 8762971.4/51

0.001+/-0.000 χ^2/NDF : 4573759.4/26

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

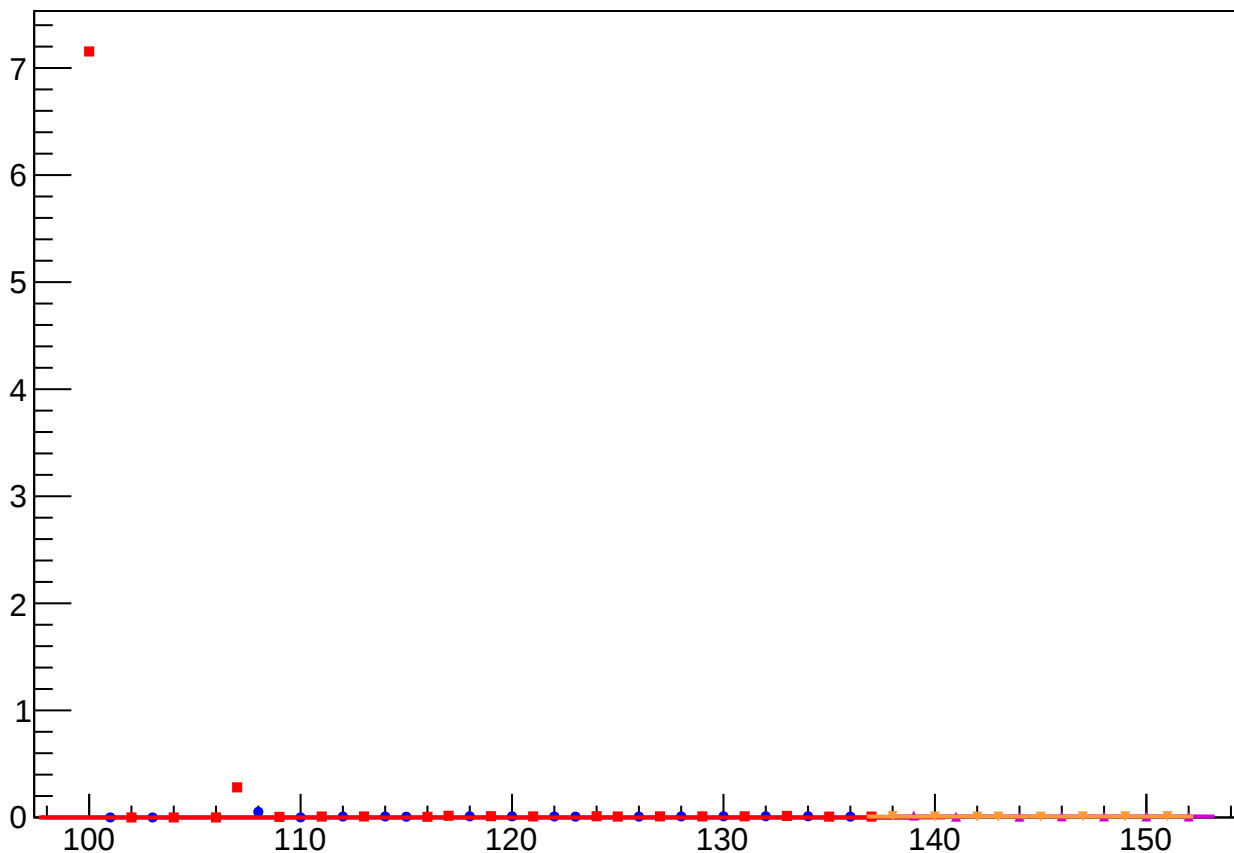
Left In: 0.032+/-0.000 χ^2/NDF : 51390617.0/6

-6.959+/-0.000 χ^2/NDF : 11538157416738.6/24

-5.888+/-0.000 χ^2/NDF : 43412461296223.0/24

-4.905+/-0.000 χ^2/NDF : 366622803212931.7/24

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

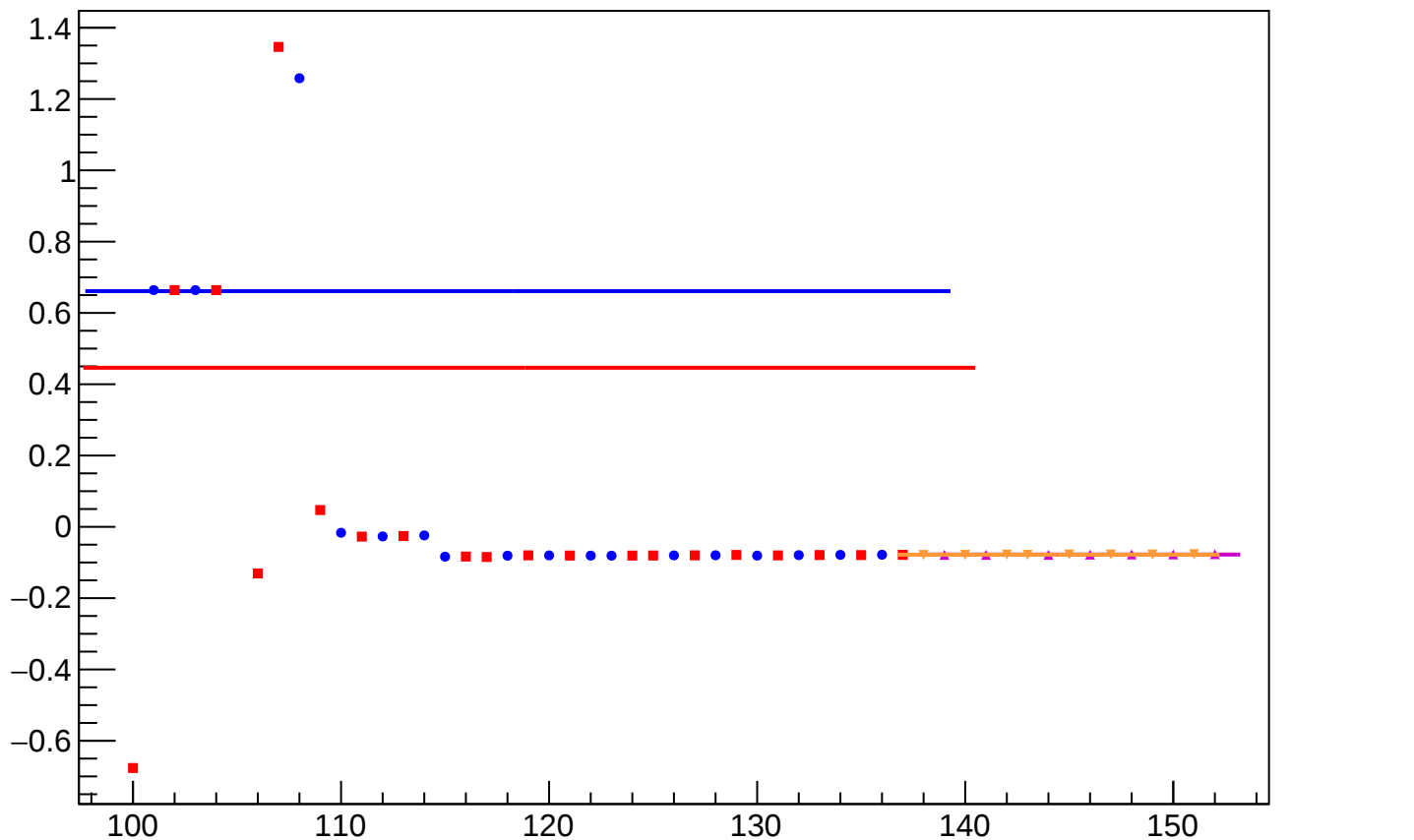
Left In: 0.009+/-0.000 χ^2/NDF : 468439.3/6

0.000+/-0.000 χ^2/NDF : 16772272.4/24

0.000+/-0.000 χ^2/NDF : 34529702.4/51

0.000+/-0.000 χ^2/NDF : 17756651.1/26

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

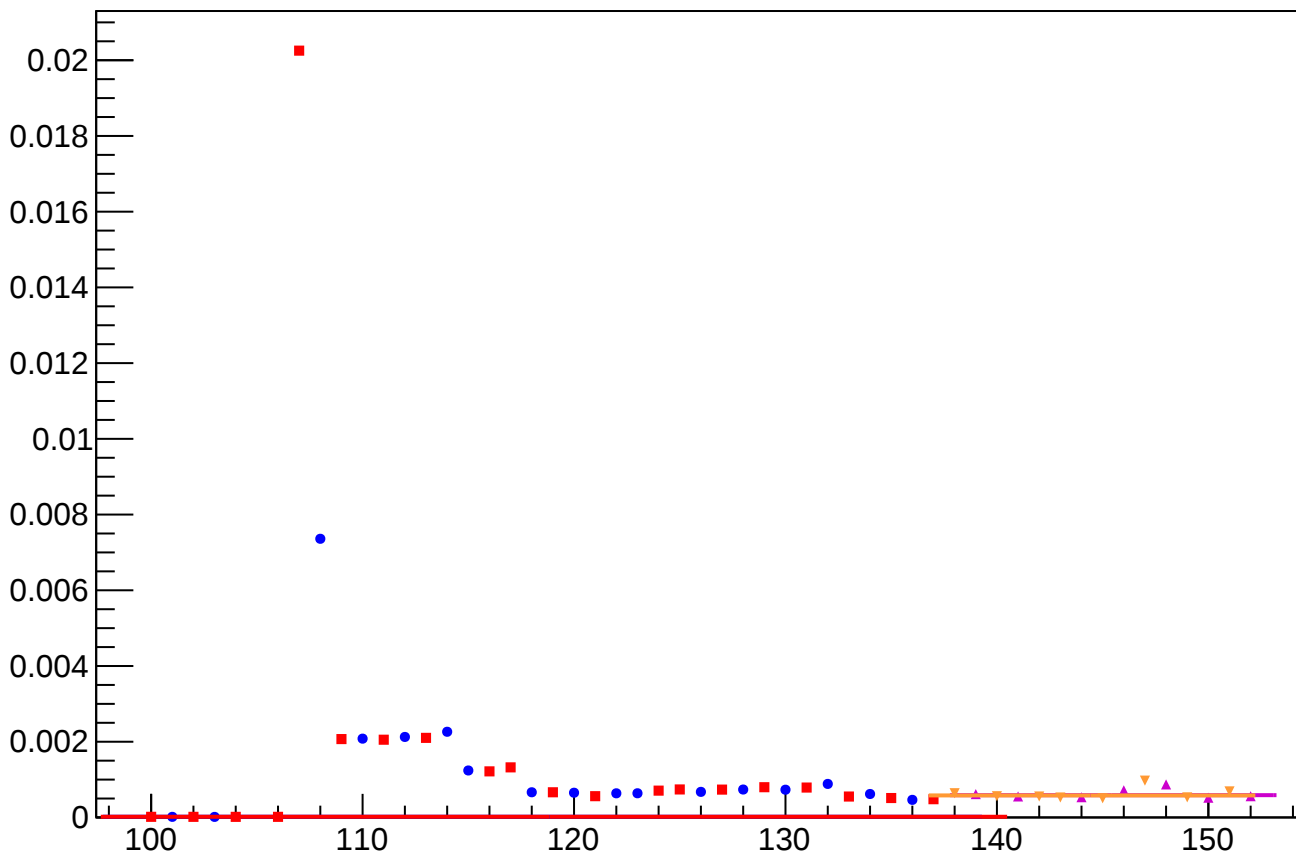
Left In: -0.078+/-0.000 χ^2/NDF : 7917183.9/6

0.657+/-0.000 χ^2/NDF : 14091115716371.9/24

0.545+/-0.000 χ^2/NDF : 48610184055519

0.443+/-0.000 χ^2/NDF : 409649761390709.9/26

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

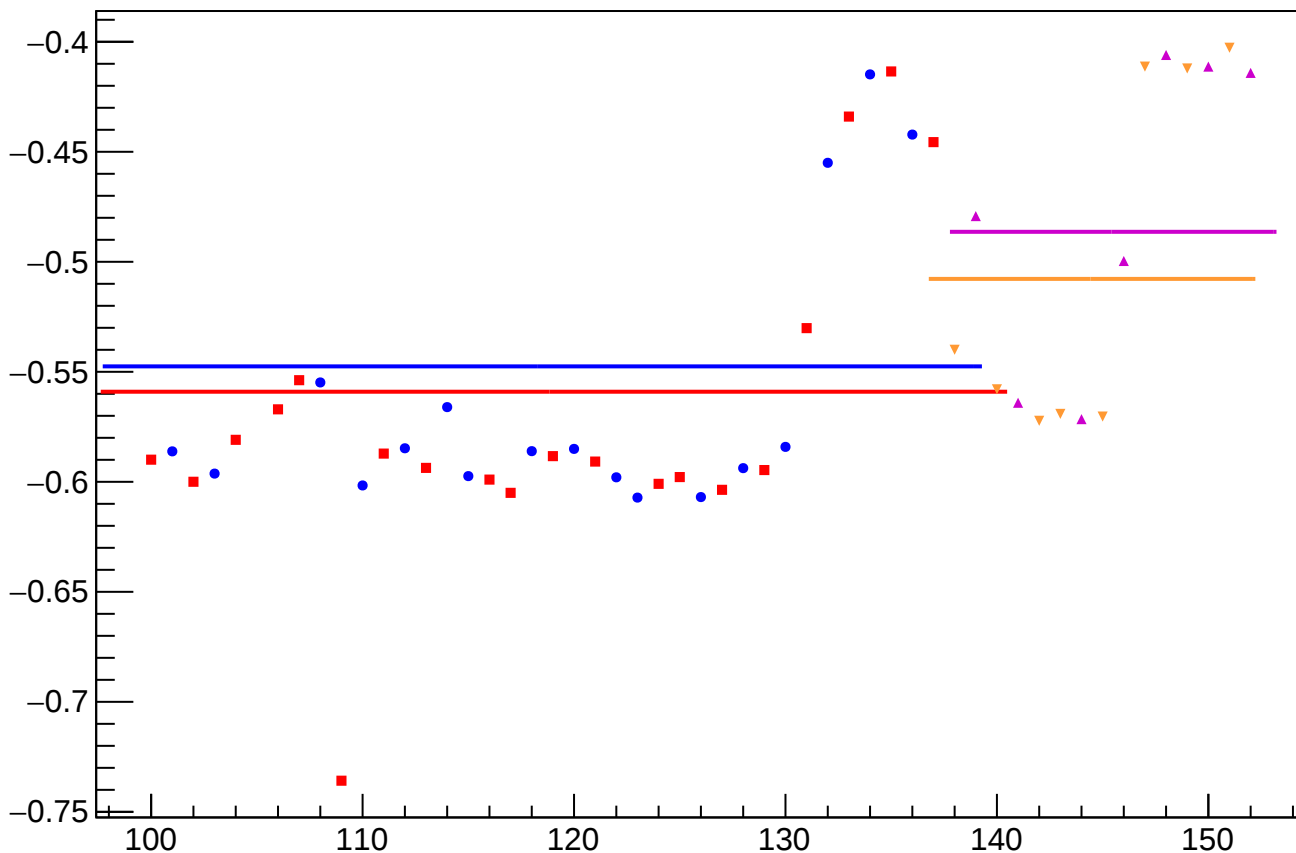
Left In: 0.001+/-0.000 χ^2/NDF : 267363.5/6

0.000+/-0.000 χ^2/NDF : 20094250.7/24

0.000+/-0.000 χ^2/NDF : 39938794.3/51

0.000+/-0.000 χ^2/NDF : 19844257.6/26

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

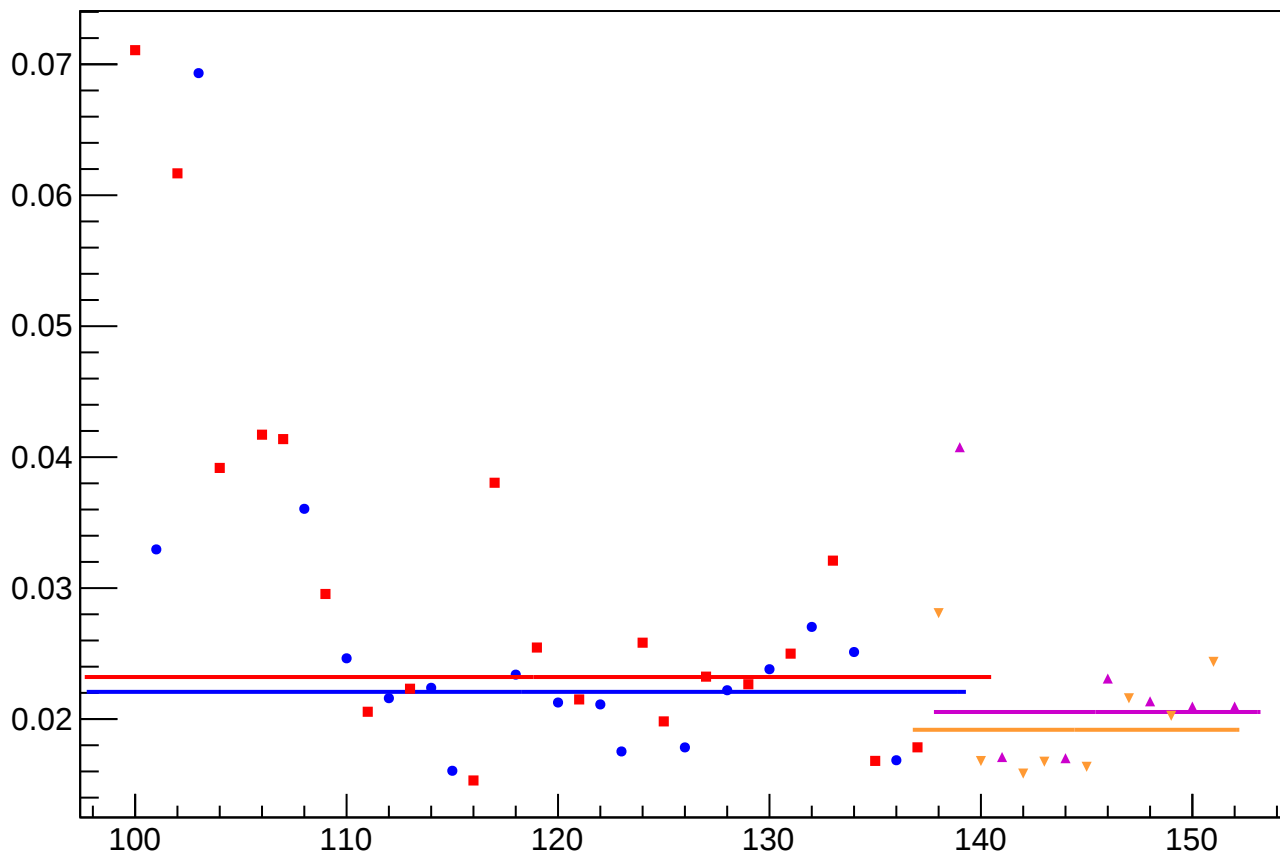
Left In: -0.486+/-0.000 χ^2/NDF : 54303963.5/6

-0.527+/-0.000 χ^2/NDF : 122425848.3/24

-0.524+/-0.000 χ^2/NDF : 269177207.8/51

-0.522+/-0.000 χ^2/NDF : 146526882.5/26

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 954779.5/16

Left Out: 0.019+/-0.000 χ^2/NDF : 299720.3/7

Right Out: 0.023+/-0.000 χ^2/NDF : 1169013.8/19

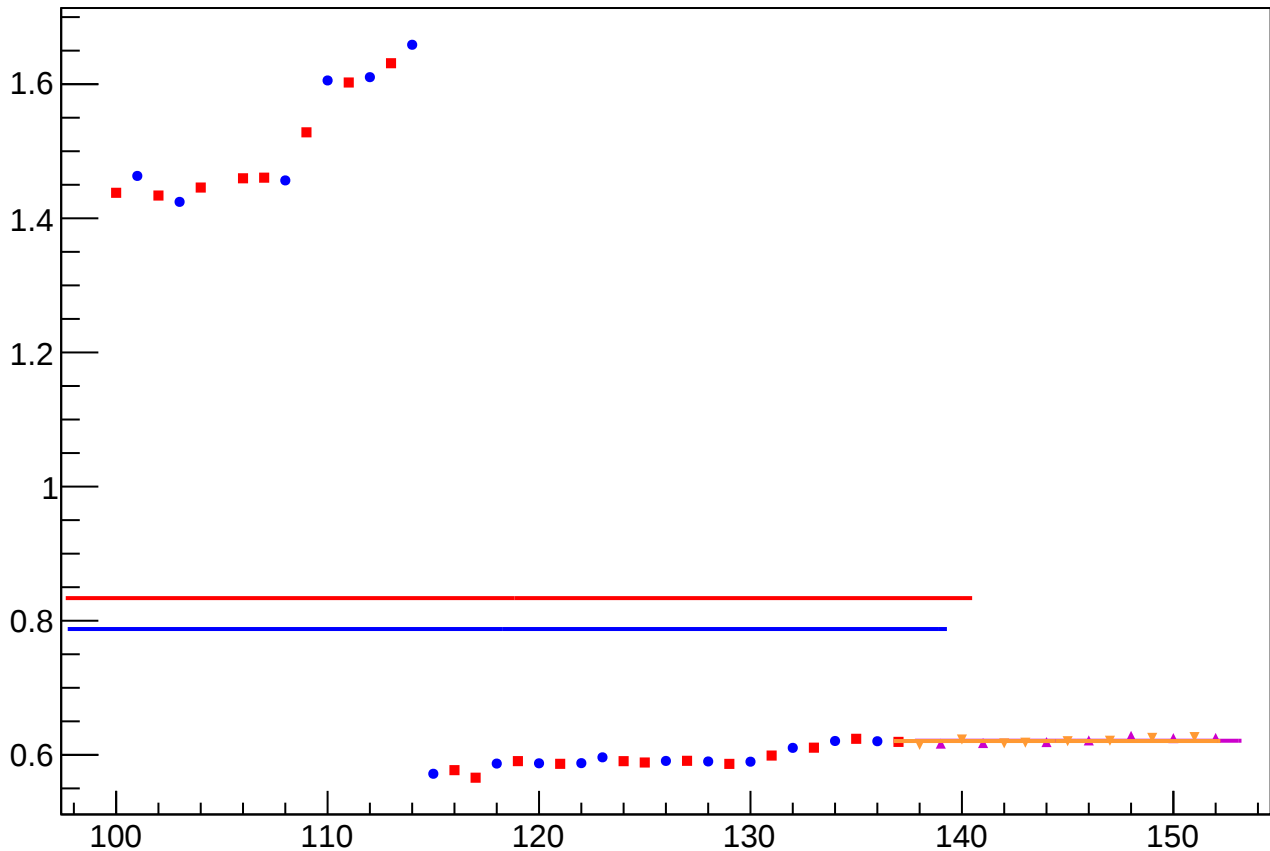
Left In: 0.021+/-0.000 χ^2/NDF : 474052.5/6

0.021+/-0.000 χ^2/NDF : 1346246.4/24

0.021+/-0.000 χ^2/NDF : 3097393.9/51

0.022+/-0.000 χ^2/NDF : 1715533.2/26

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.788+/-0.000 χ^2/NDF : 3581400502.4/16

Left Out: 0.621+/-0.000 χ^2/NDF : 452675.0/7

Right Out: 0.834+/-0.000 χ^2/NDF : 4155673215.9/19

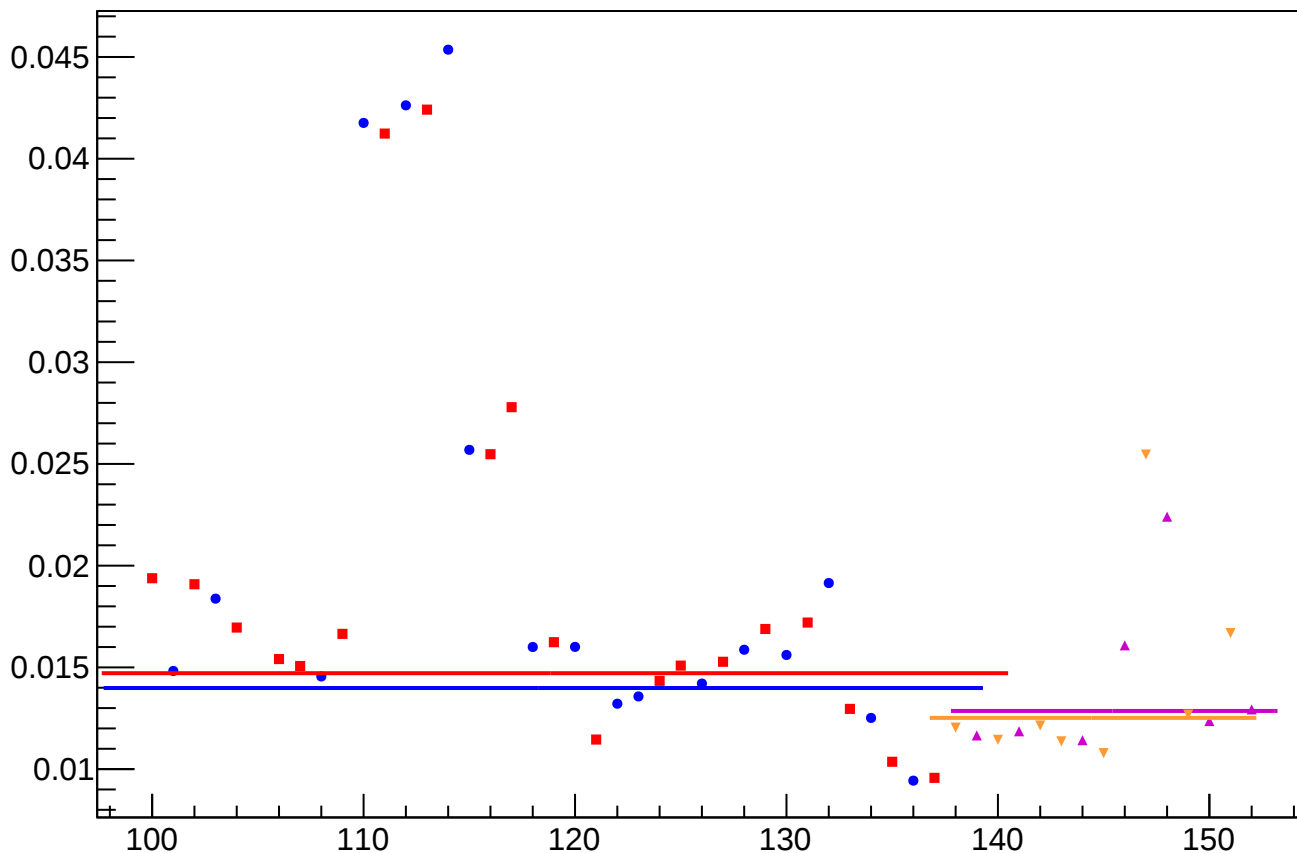
Left In: 0.621+/-0.000 χ^2/NDF : 439960.6/6

0.698+/-0.000 χ^2/NDF : 4012549423.8/24

0.709+/-0.000 χ^2/NDF : 8858321822.2/51

0.720+/-0.000 χ^2/NDF : 4830965375.8/26

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1398505.7/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 541250.7/7

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1275472.3/19

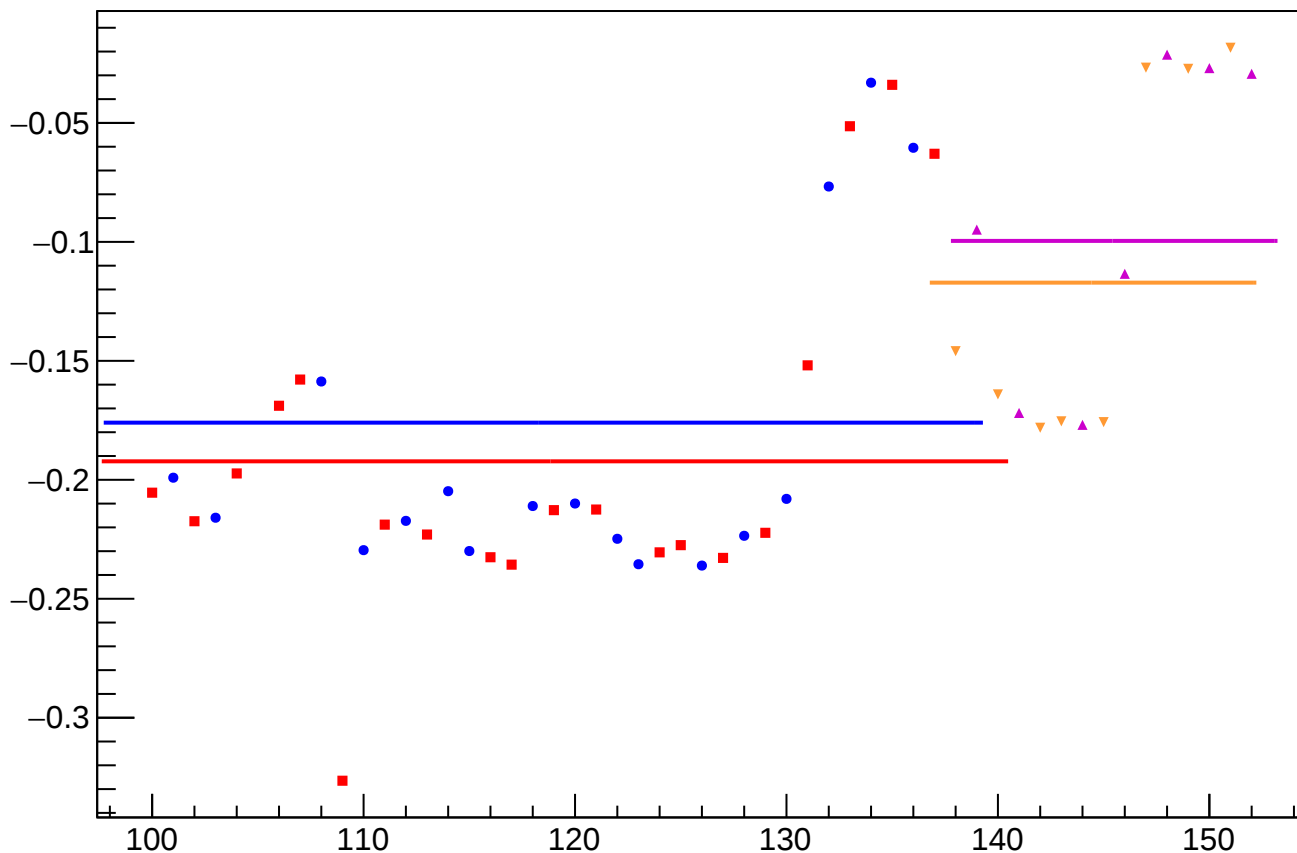
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF: 389893.1/6

0.013 $\pm$ 0.000 χ^2 /NDF: 2006204.2/24

0.013 $\pm$ 0.000 χ^2 /NDF: 3791110.2/51

0.014 $\pm$ 0.000 χ^2 /NDF: 1768106.4/26

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

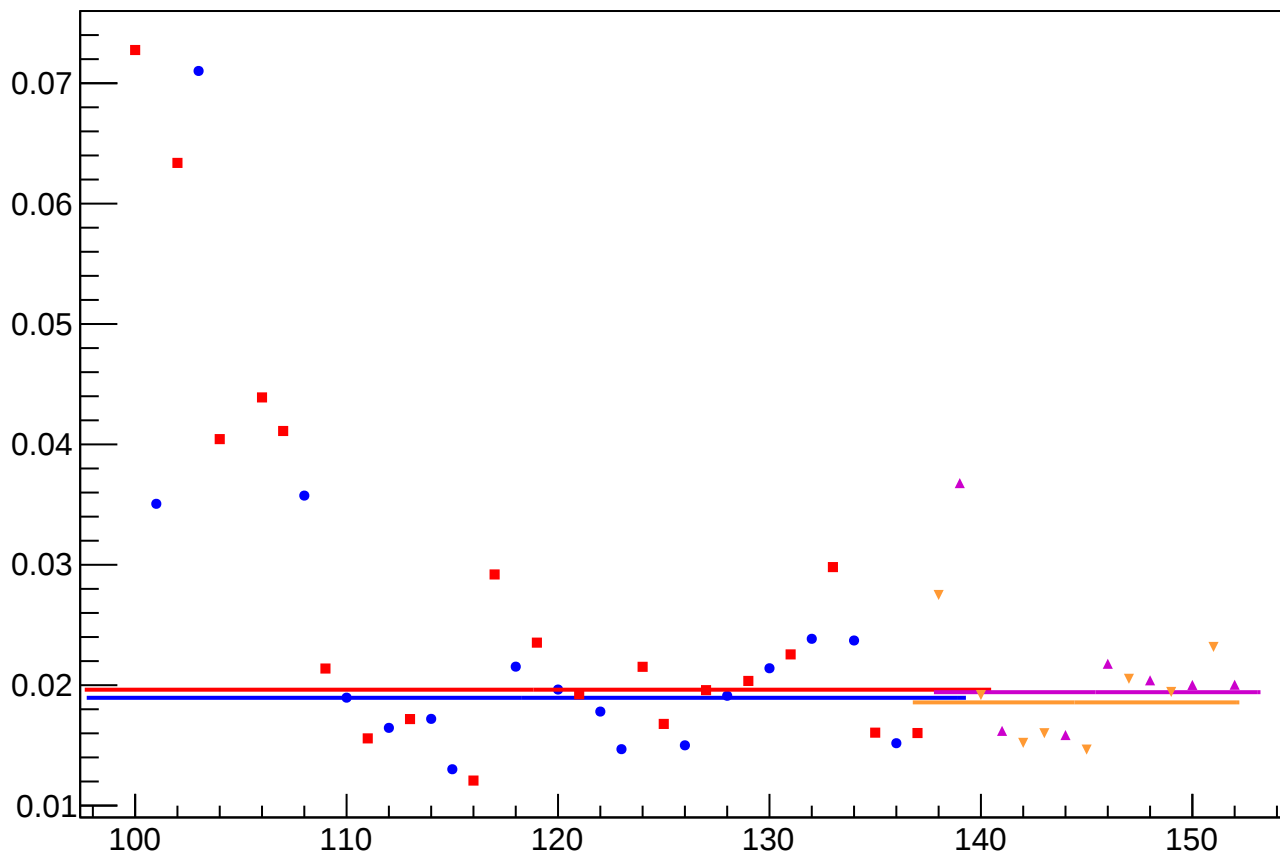
Left In: -0.100+/-0.000 χ^2/NDF : 54520959.4/6

-0.148+/-0.000 χ^2/NDF : 156325411.4/24

-0.149+/-0.000 χ^2/NDF : 348156947.9/51

-0.149+/-0.000 χ^2/NDF : 191805364.3/26

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

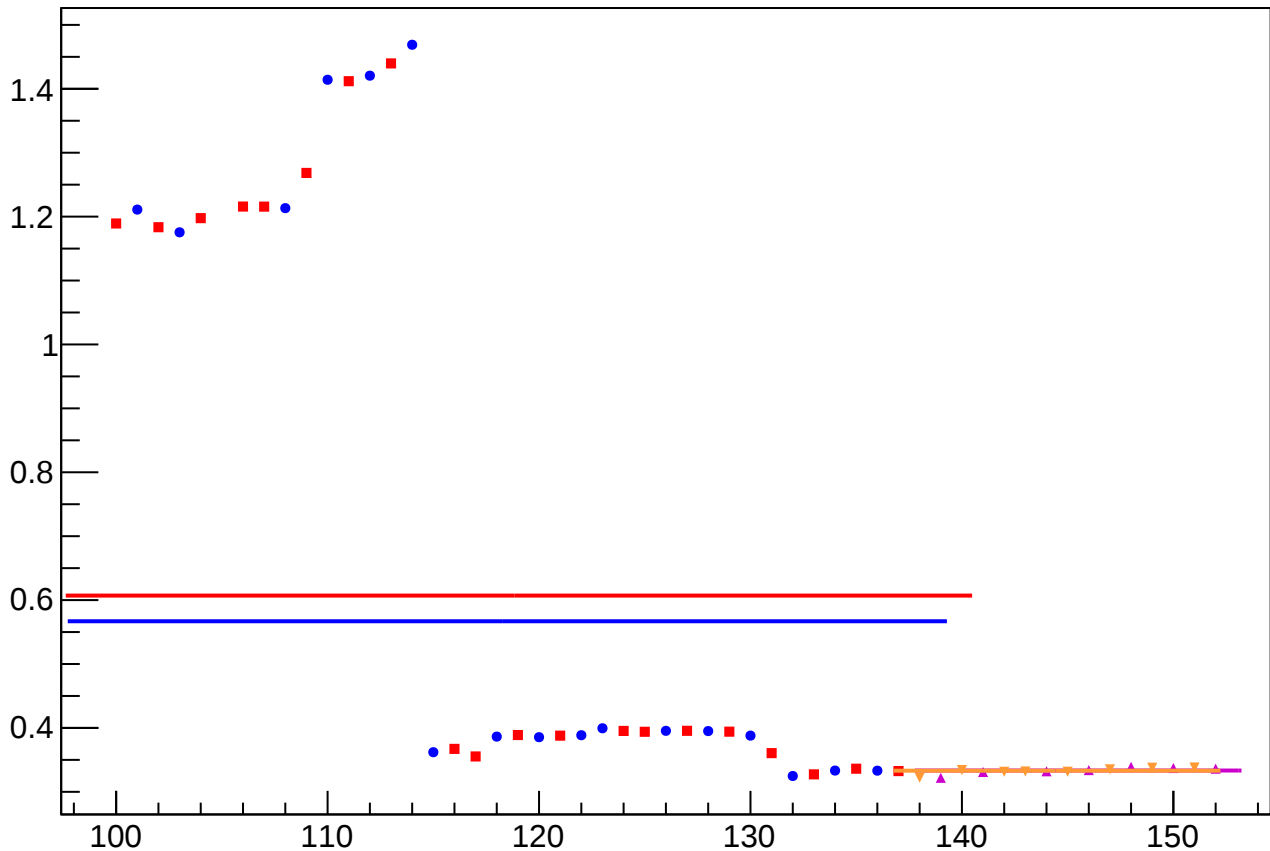
Left In: 0.019+/-0.000 χ^2/NDF : 451792.2/6

0.019+/-0.000 χ^2/NDF : 1534884.2/24

0.019+/-0.000 χ^2/NDF : 3466089.8/51

0.020+/-0.000 χ^2/NDF : 1916312.2/26

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.567+/-0.000 χ^2/NDF : 5016913731.3/16

Left Out: 0.333+/-0.000 χ^2/NDF : 792737.2/7

Right Out: 0.607+/-0.000 χ^2/NDF : 5509130775.3/19

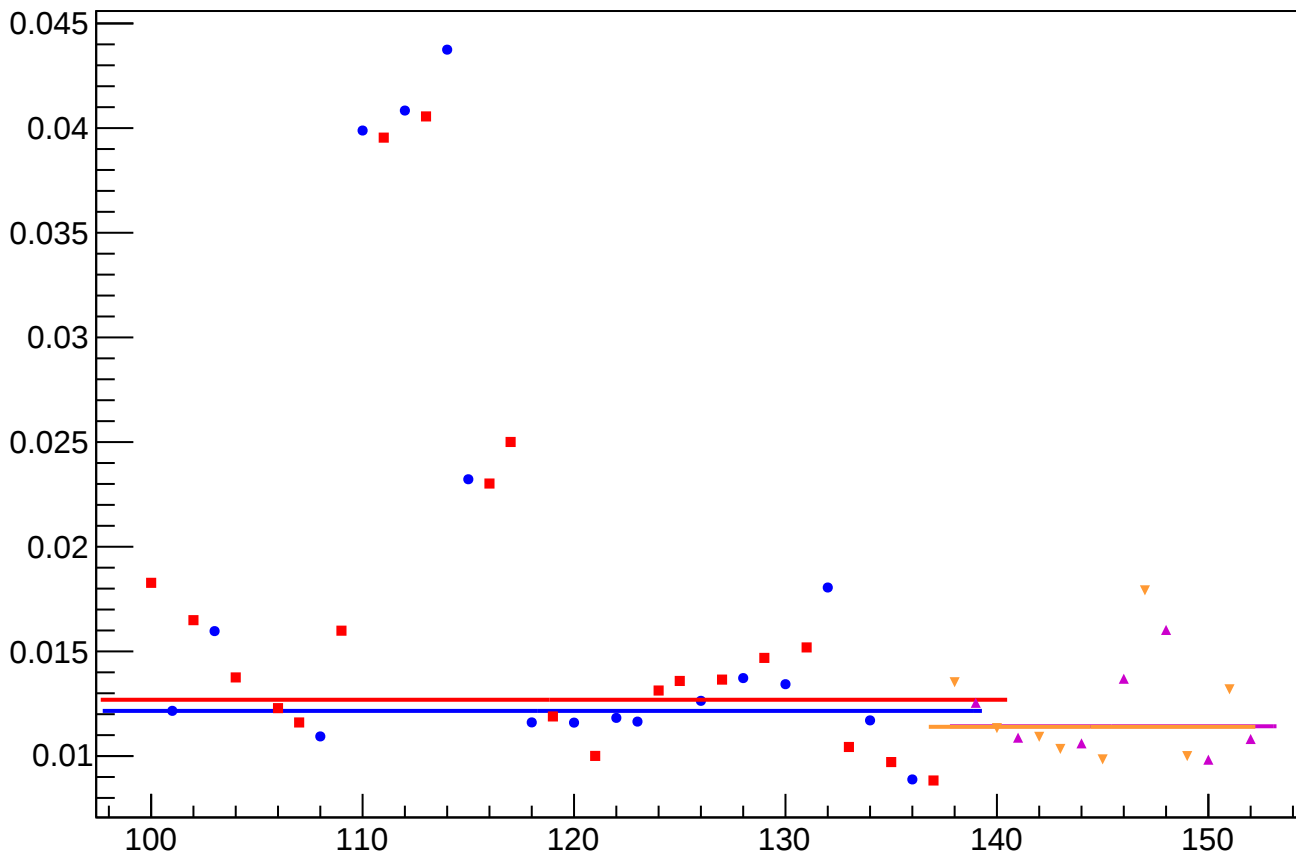
Left In: 0.333+/-0.000 χ^2/NDF : 921986.6/6

0.445+/-0.000 χ^2/NDF : 6093357917.2/24

0.454+/-0.000 χ^2/NDF : 13069631976.1/5

0.462+/-0.000 χ^2/NDF : 6965198370.5/26

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

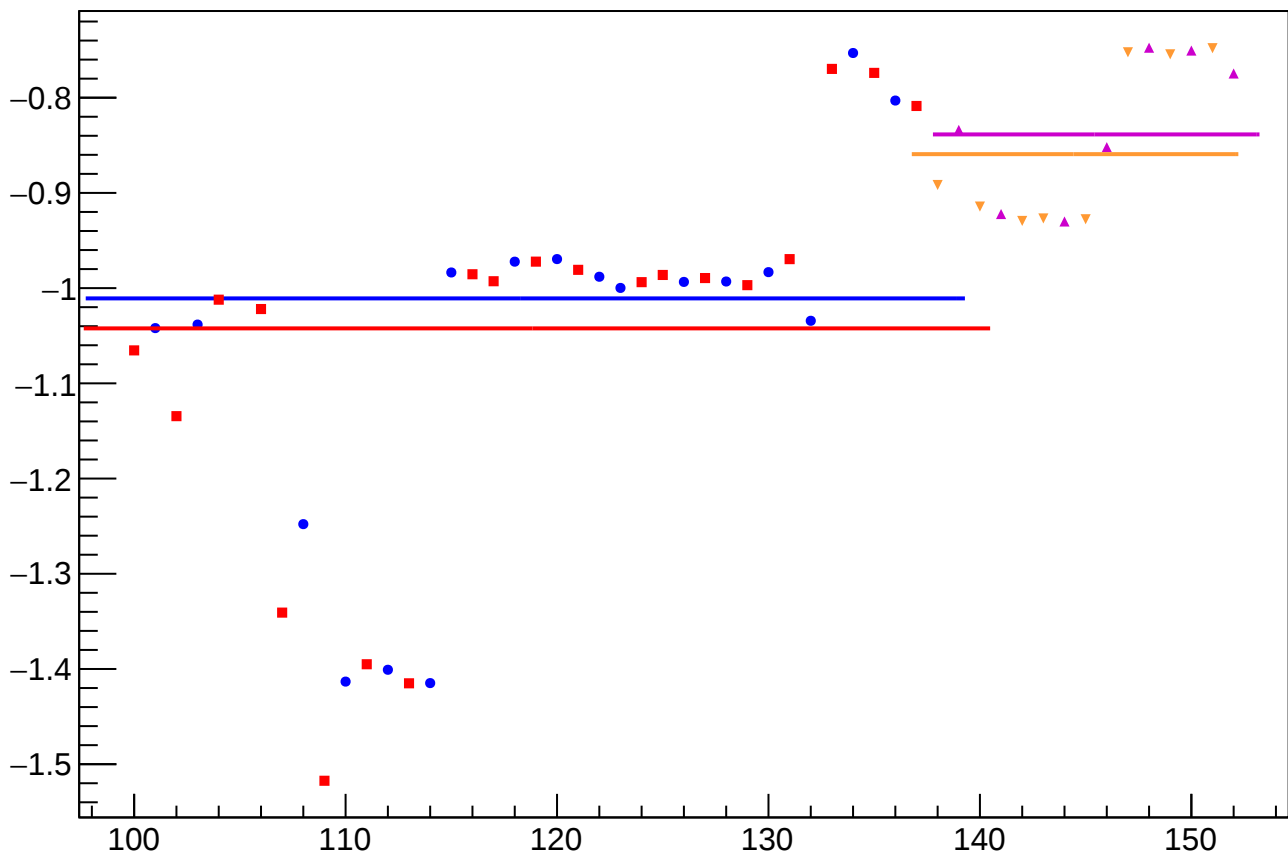
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 242916.3/6

0.012 $\pm$ 0.000 χ^2/NDF : 1673380.2/24

0.012 $\pm$ 0.000 χ^2/NDF : 3269712.9/51

0.012 $\pm$ 0.000 χ^2/NDF : 1591135.5/26

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.011+/-0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.859+/-0.000 χ^2/NDF : 81276660.0/7

Right Out: -1.042+/-0.000 χ^2/NDF : 529028760.6/19

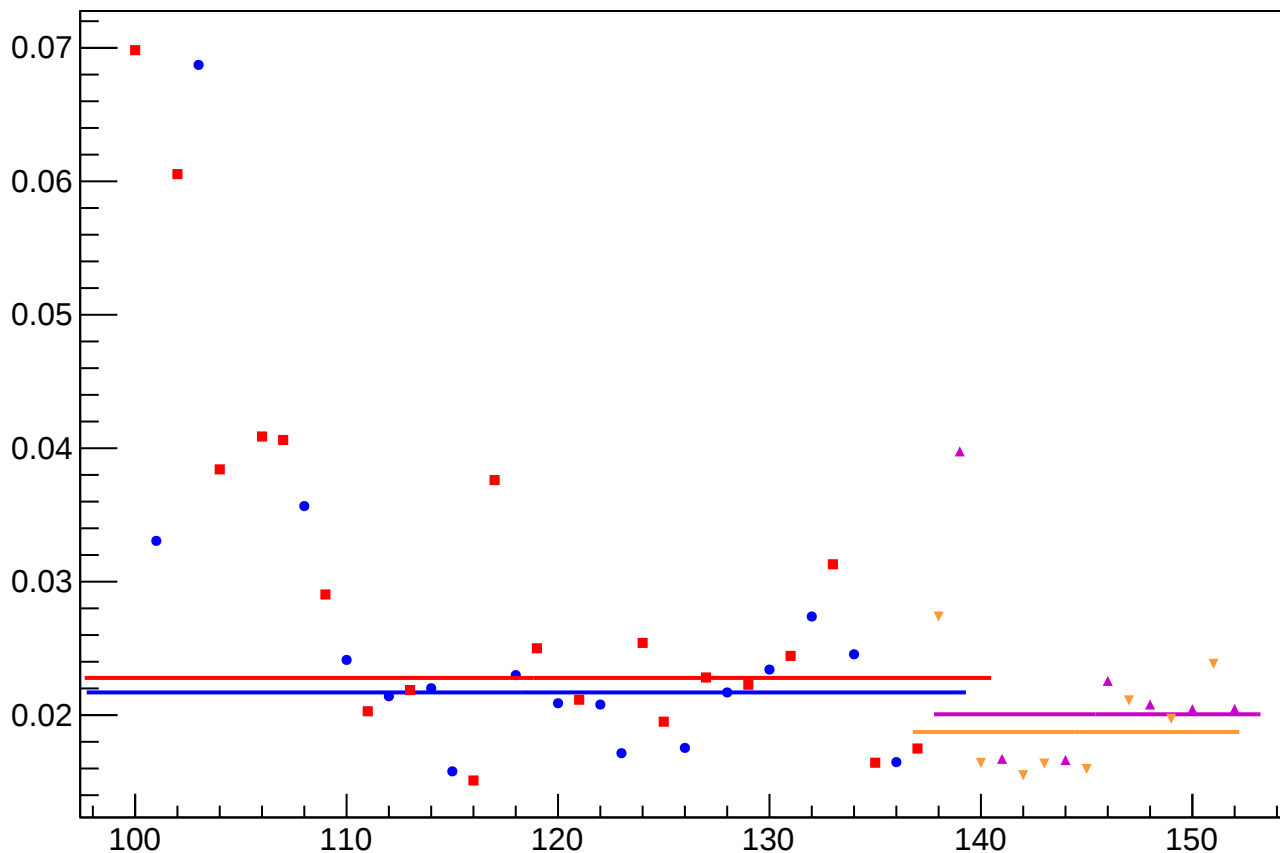
Left In: -0.839+/-0.000 χ^2/NDF : 66133386.3/6

-0.930+/-0.000 χ^2/NDF : 599041450.6/24

-0.934+/-0.000 χ^2/NDF : 1414481443.7/5

-0.937+/-0.000 χ^2/NDF : 814851344.2/26

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022 ± 0.000 $\chi^2/\text{NDF}: 979293.5/16$

Left Out: 0.019 ± 0.000 $\chi^2/\text{NDF}: 299046.8/7$

Right Out: 0.023 ± 0.000 $\chi^2/\text{NDF}: 1164870.4/19$

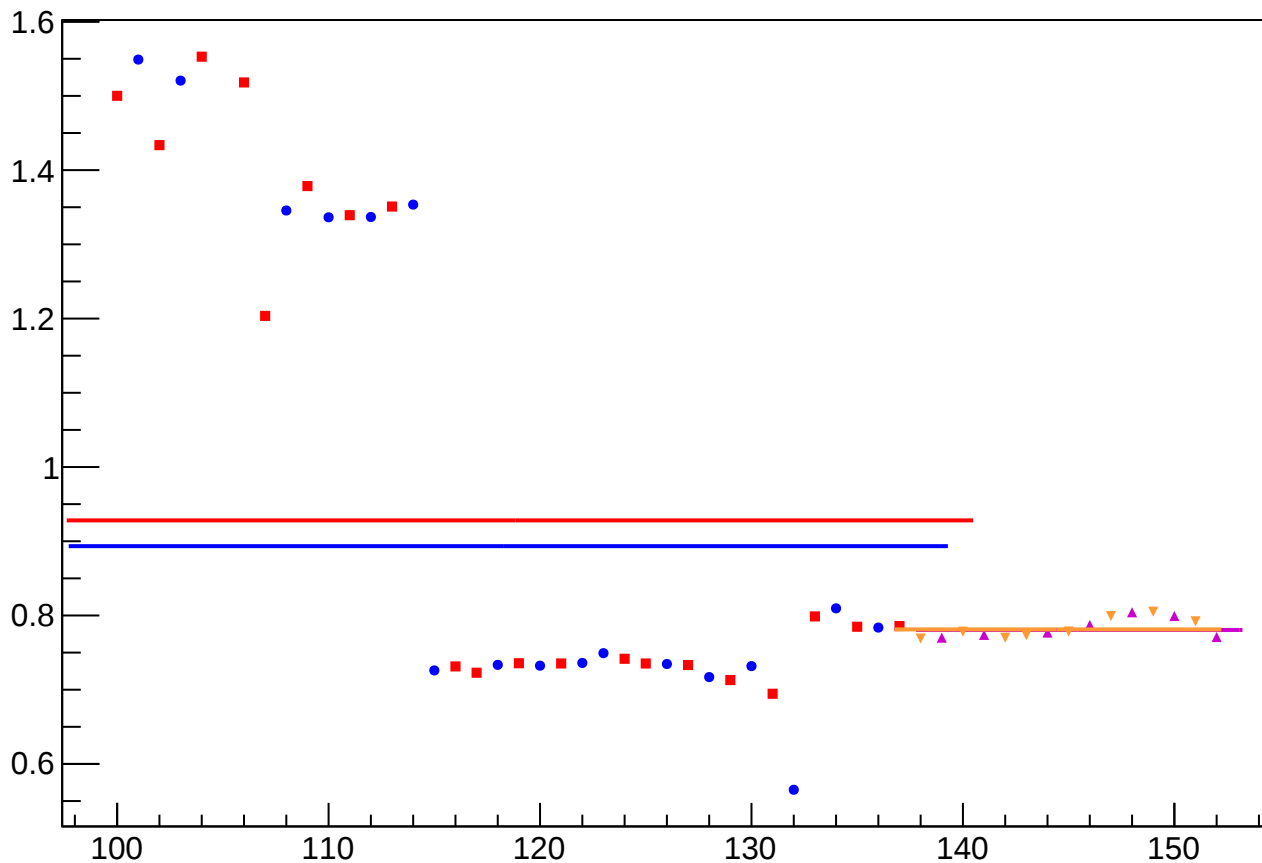
Left In: 0.020 ± 0.000 $\chi^2/\text{NDF}: 471480.2/6$

0.020 ± 0.000 $\chi^2/\text{NDF}: 1378337.8/24$

0.021 ± 0.000 $\chi^2/\text{NDF}: 3128426.0/51$

0.021 ± 0.000 $\chi^2/\text{NDF}: 1715025.5/26$

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

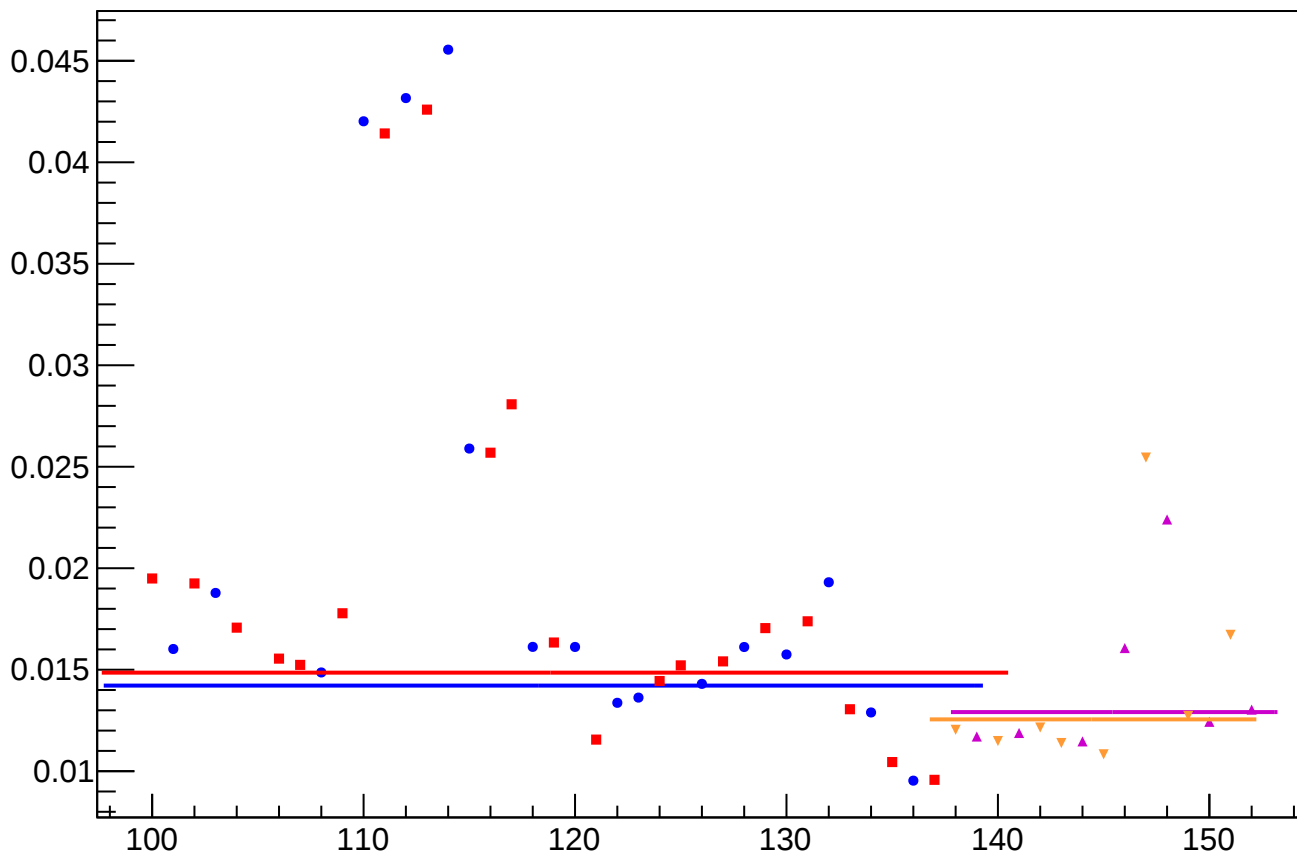
Left In: 0.780+/-0.000 χ^2/NDF :4259923.3/6

0.832+/-0.000 χ^2/NDF : 2602878756.4/24

0.840+/-0.000 χ^2/NDF : 5372819587.7/51

0.849+/-0.000 χ^2/NDF : 2761908961.3/26

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

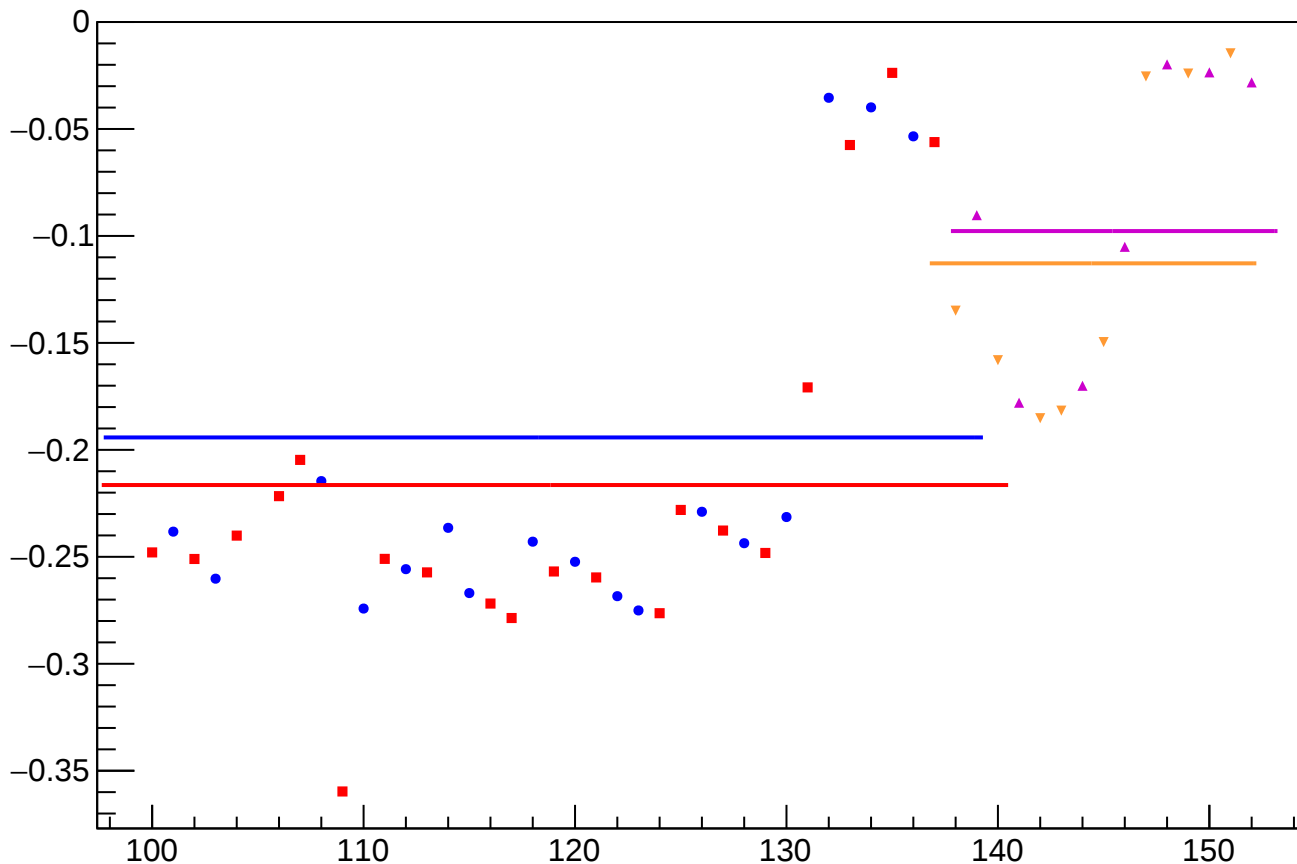
Left In: 0.013 +/- 0.000 χ^2/NDF : 384722.3/6

0.013 +/- 0.000 χ^2/NDF : 2030841.2/24

0.014 +/- 0.000 χ^2/NDF : 3827911.7/51

0.014 +/- 0.000 χ^2/NDF : 1782124.8/26

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

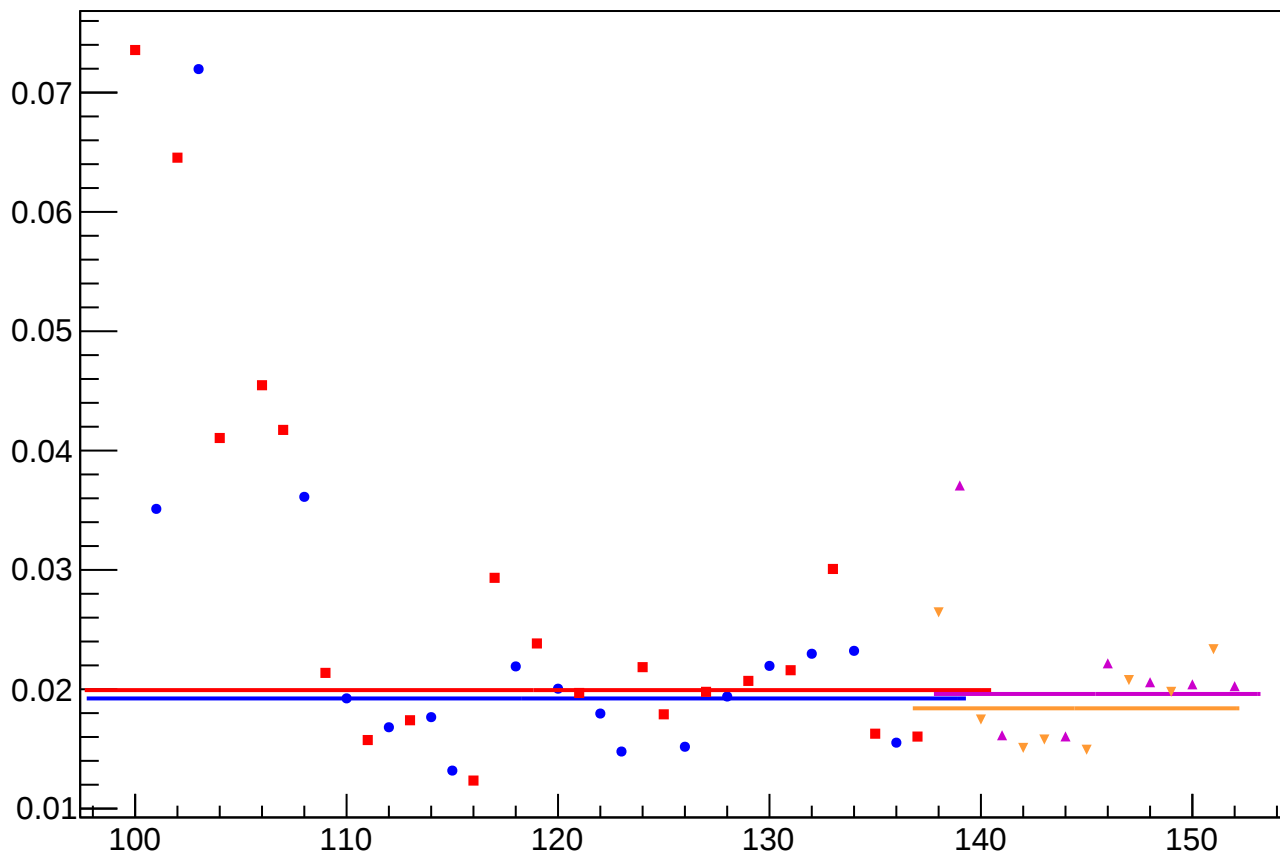
Left In: -0.098+/-0.000 χ^2/NDF : 54446049.9/6

-0.155+/-0.000 χ^2/NDF : 212057126.1/24

-0.158+/-0.000 χ^2/NDF : 464605381.7/51

-0.161+/-0.000 χ^2/NDF : 252024644.9/26

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

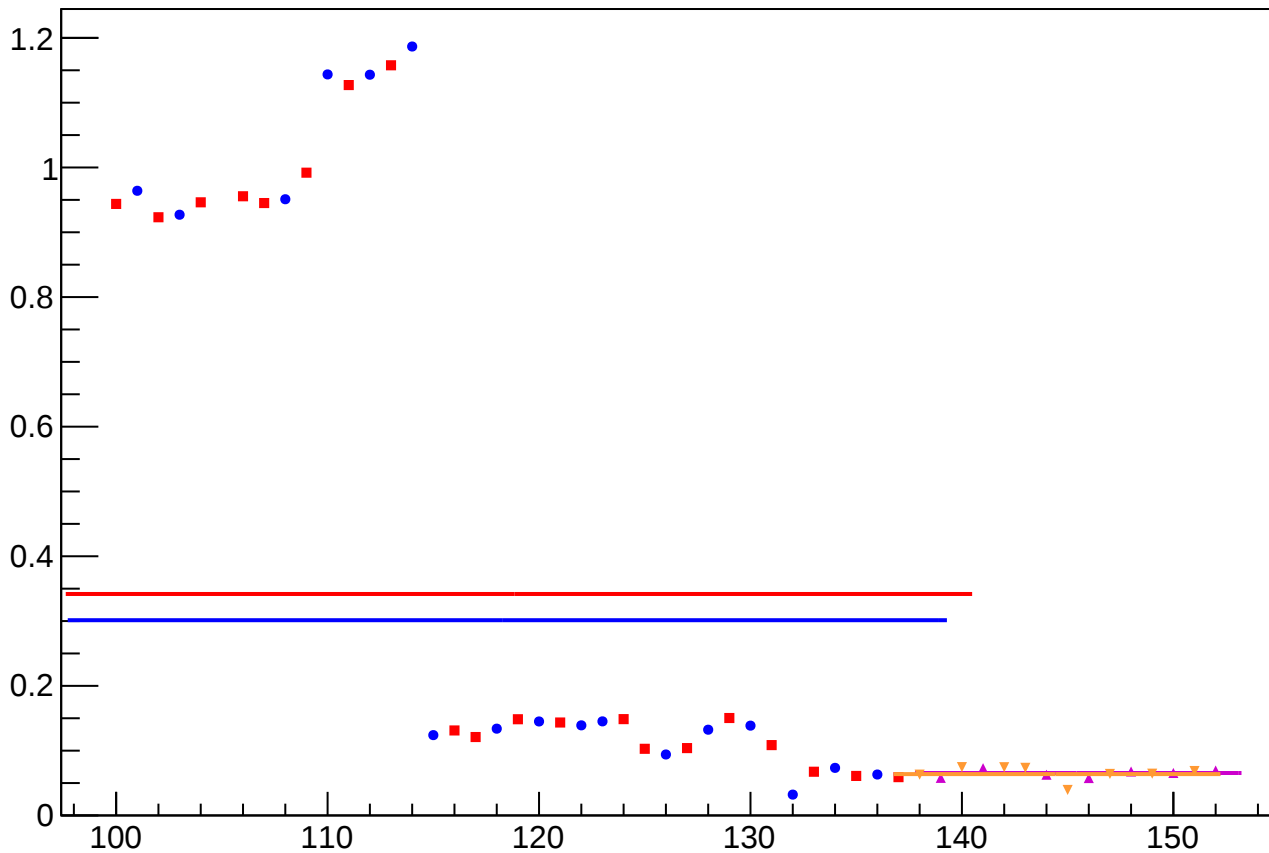
Left In: 0.020+/-0.000 χ^2/NDF : 459538.6/6

0.019+/-0.000 χ^2/NDF : 1495951.2/24

0.019+/-0.000 χ^2/NDF : 3432436.2/51

0.020+/-0.000 χ^2/NDF : 1913546.6/26

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

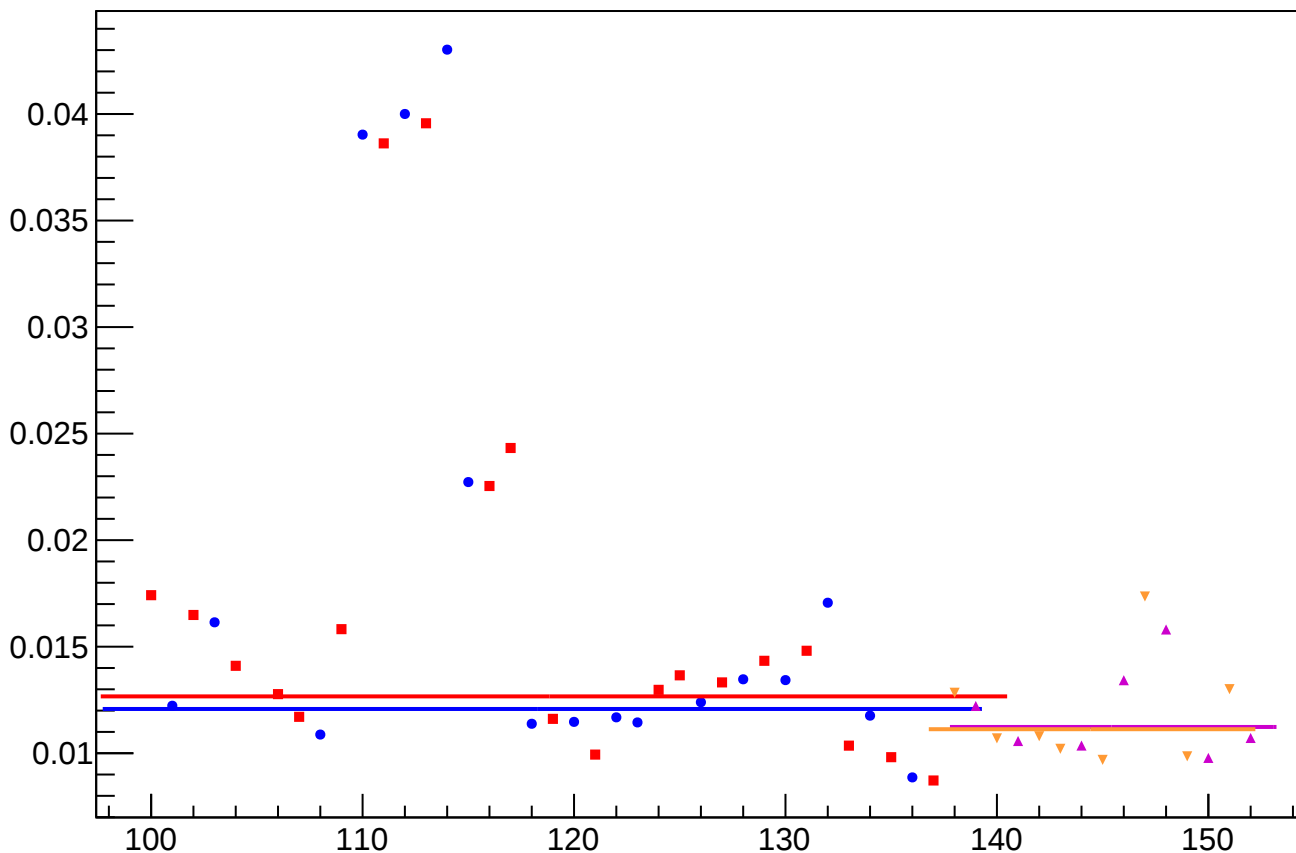
Left In: 0.066 $\pm$ 0.000 χ^2 /NDF: 1087427.4/6

0.176 $\pm$ 0.000 χ^2 /NDF: 6305929275.8/24

0.185 $\pm$ 0.000 χ^2 /NDF: 13274782716.3/5

0.194 $\pm$ 0.000 χ^2 /NDF: 6956343913.6/26

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

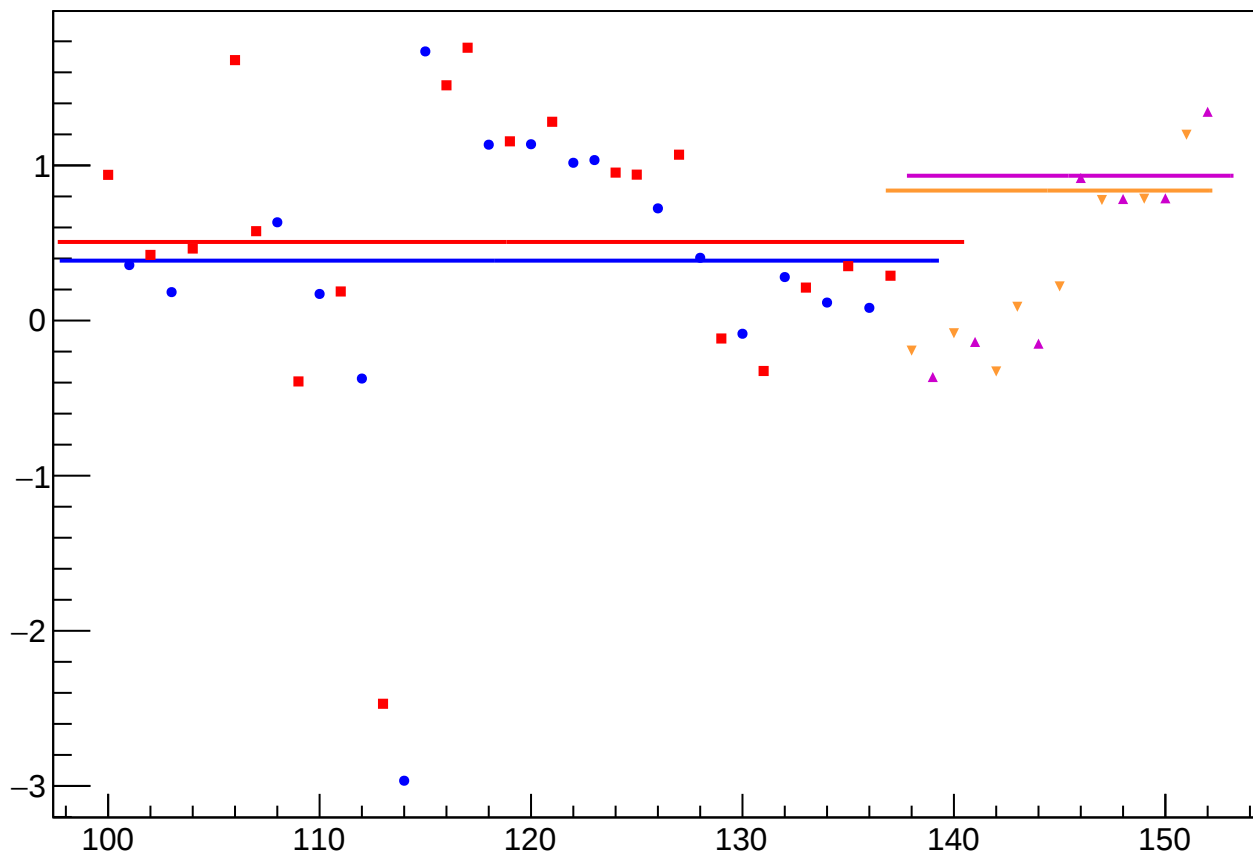
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 237363.8/6

0.012 $\pm$ 0.000 χ^2/NDF : 1637589.0/24

0.012 $\pm$ 0.000 χ^2/NDF : 3218473.6/51

0.012 $\pm$ 0.000 χ^2/NDF : 1572536.3/26

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.386 $\pm$ 0.000 χ^2 /NDF: 246380221.7/16

Left Out: 0.838 $\pm$ 0.000 χ^2 /NDF: 640335571.4/7

Right Out: 0.507 $\pm$ 0.000 χ^2 /NDF: 995373603.6/19

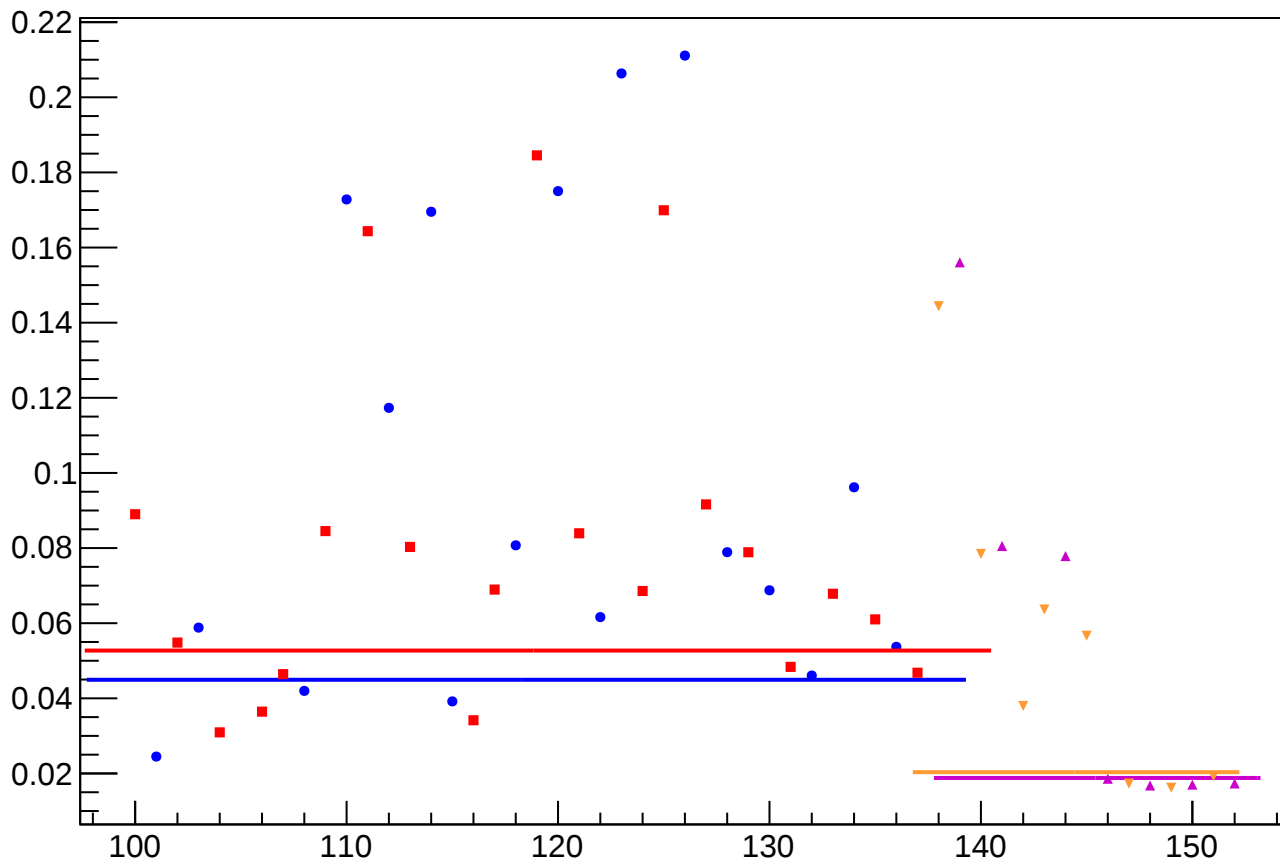
Left In: 0.934 $\pm$ 0.000 χ^2 /NDF: 745005522.1/6

0.752 $\pm$ 0.000 χ^2 /NDF: 1175533722.1/24

0.819 $\pm$ 0.000 χ^2 /NDF: 3226935644.7/51

0.875 $\pm$ 0.000 χ^2 /NDF: 1975731454.0/26

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

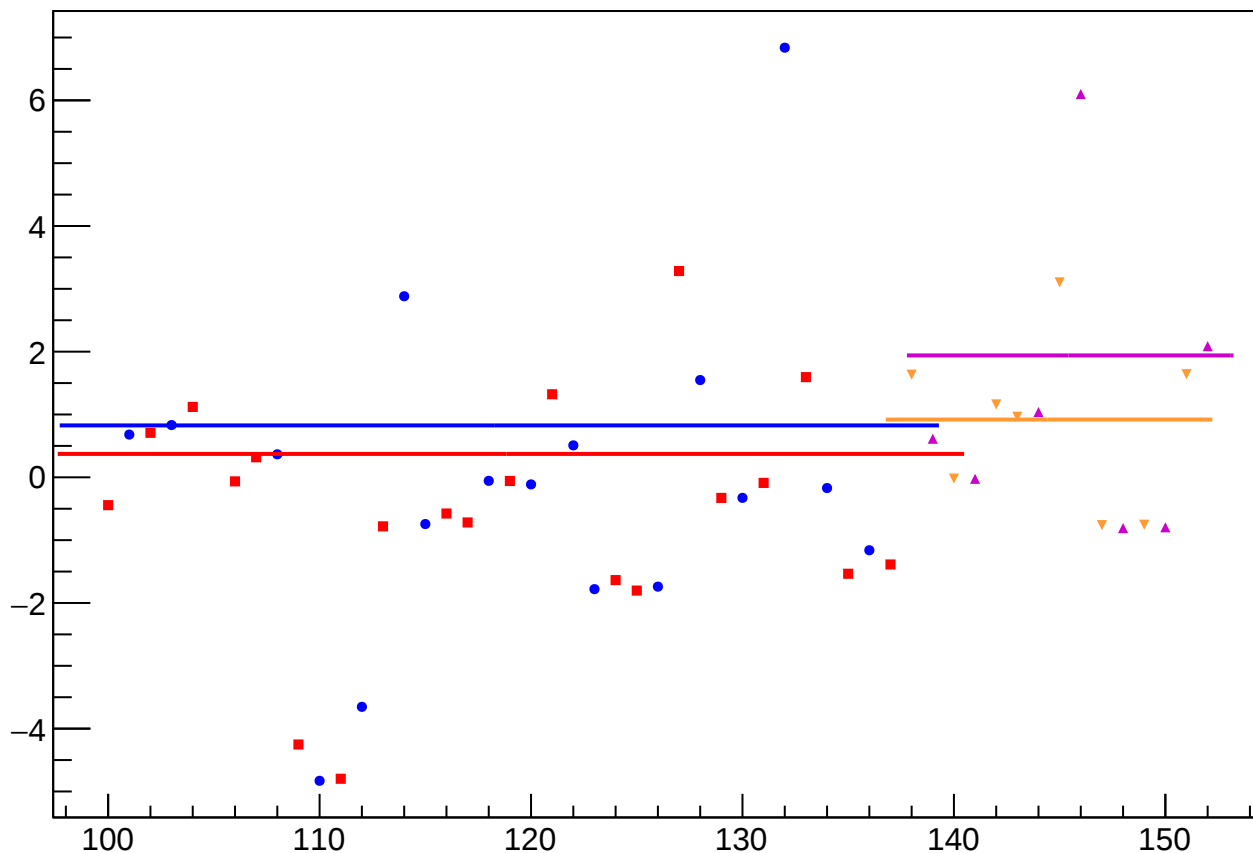
Left In: 0.019+/-0.000 χ^2/NDF : 2202466.6/6

0.025+/-0.000 χ^2/NDF : 6978437.0/24

0.024+/-0.000 χ^2/NDF : 14372680.4/51

0.023+/-0.000 χ^2/NDF : 7369271.2/26

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

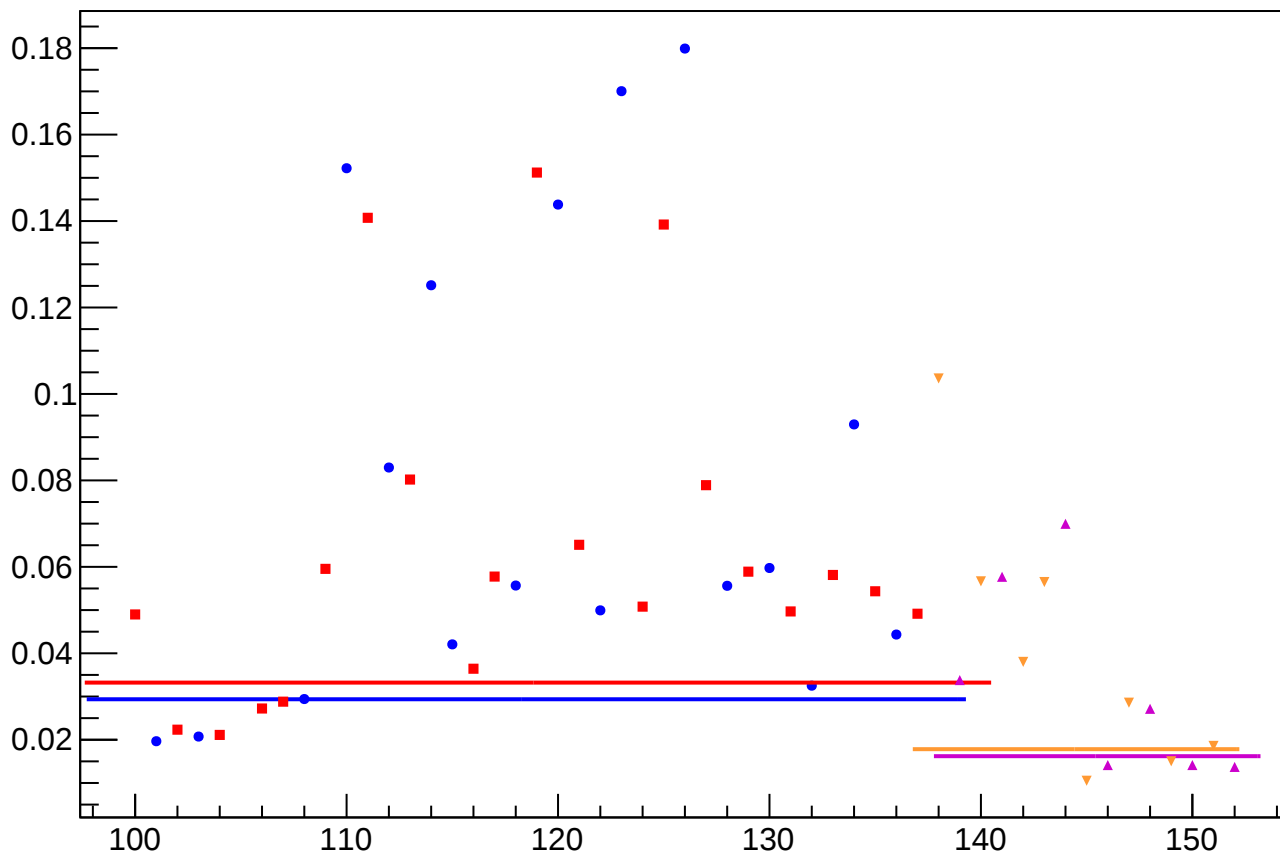
Left In: 1.940 $\pm$ 0.000 χ^2 /NDF: 100326477110.7/6

0.892 $\pm$ 0.000 χ^2 /NDF: 37748821980.6/24

1.293 $\pm$ 0.000 χ^2 /NDF: 153825709853.2/

1.616 $\pm$ 0.000 χ^2 /NDF: 112117293949.9/26

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.018+/-0.000 χ^2/NDF : 2334061.0/7

Right Out: 0.033+/-0.000 χ^2/NDF : 3112299.1/19

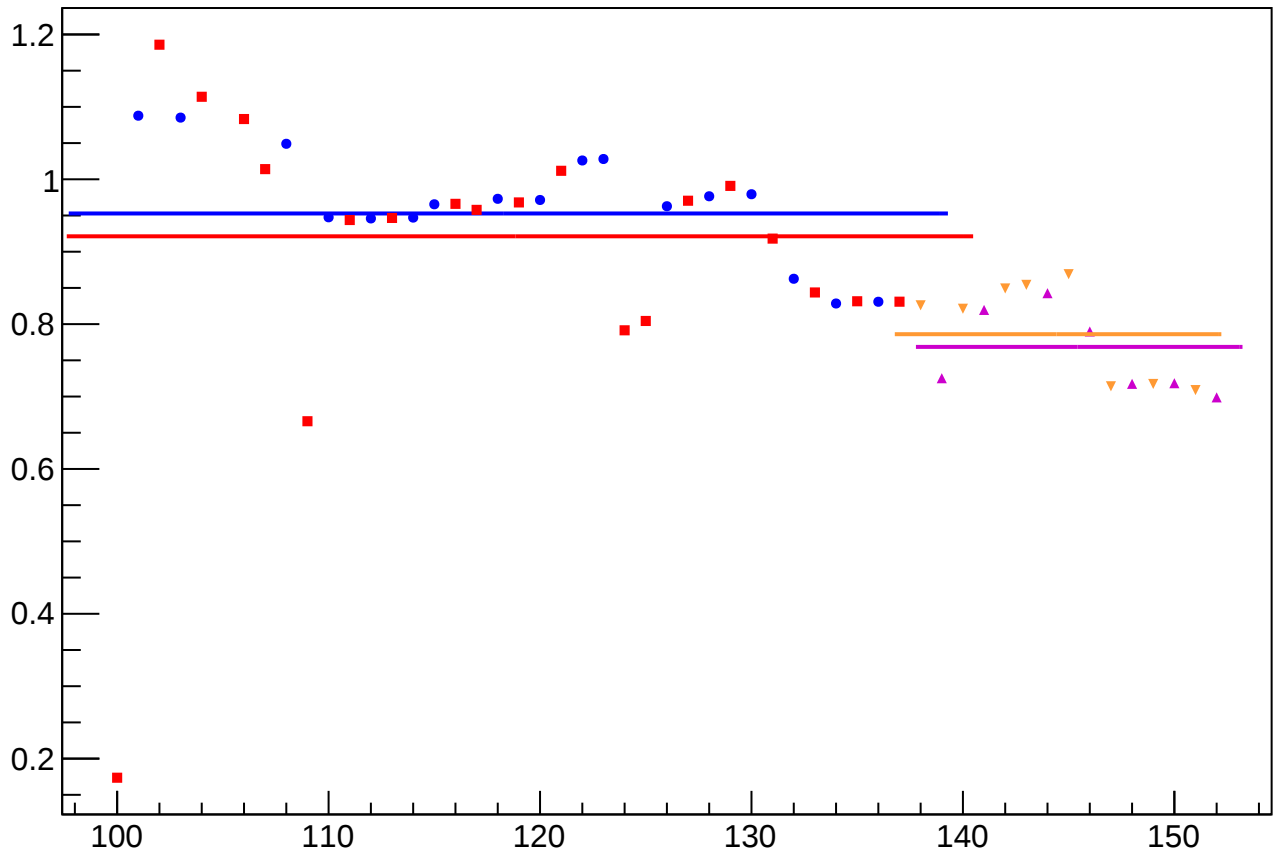
Left In: 0.016+/-0.000 χ^2/NDF : 1613017.0/6

0.021+/-0.000 χ^2/NDF : 6068384.9/24

0.020+/-0.000 χ^2/NDF : 12435043.2/51

0.020+/-0.000 χ^2/NDF : 6336096.8/26

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.953 $\pm$ 0.000 χ^2 /NDF: 175750243.6/16

Left Out: 0.786 $\pm$ 0.000 χ^2 /NDF:144223170.8/7

Right Out: 0.921 $\pm$ 0.000 χ^2 /NDF: 374306248.8/19

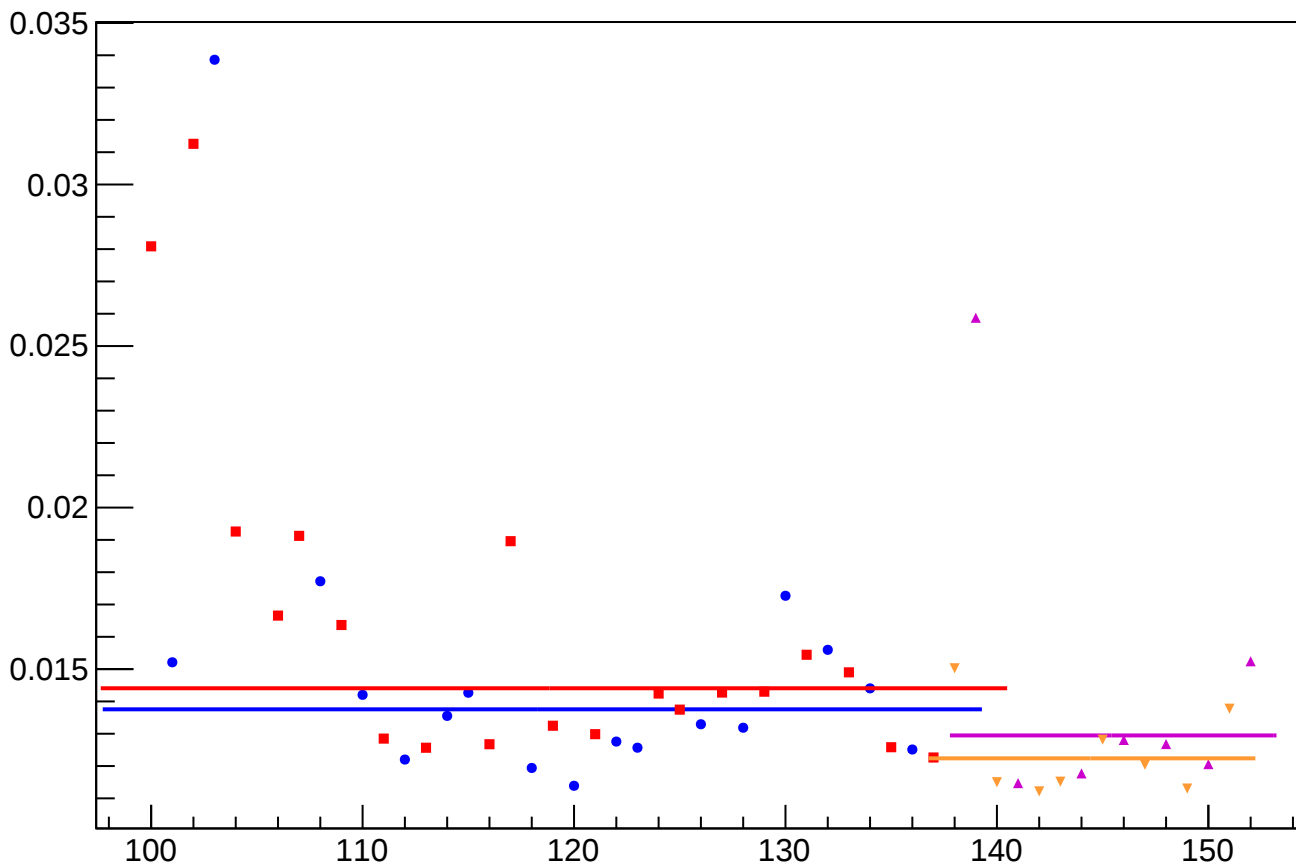
Left In: 0.769 $\pm$ 0.000 χ^2 /NDF:89701114.9/6

0.866 $\pm$ 0.000 χ^2 /NDF: 758716120.8/24

0.856 $\pm$ 0.000 χ^2 /NDF: 1581238467.6/51

0.845 $\pm$ 0.000 χ^2 /NDF: 808347377.9/26

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 538469.4/16

Left Out: 0.012+/-0.000 χ^2/NDF : 87755.7/7

Right Out: 0.014+/-0.000 χ^2/NDF : 508622.9/19

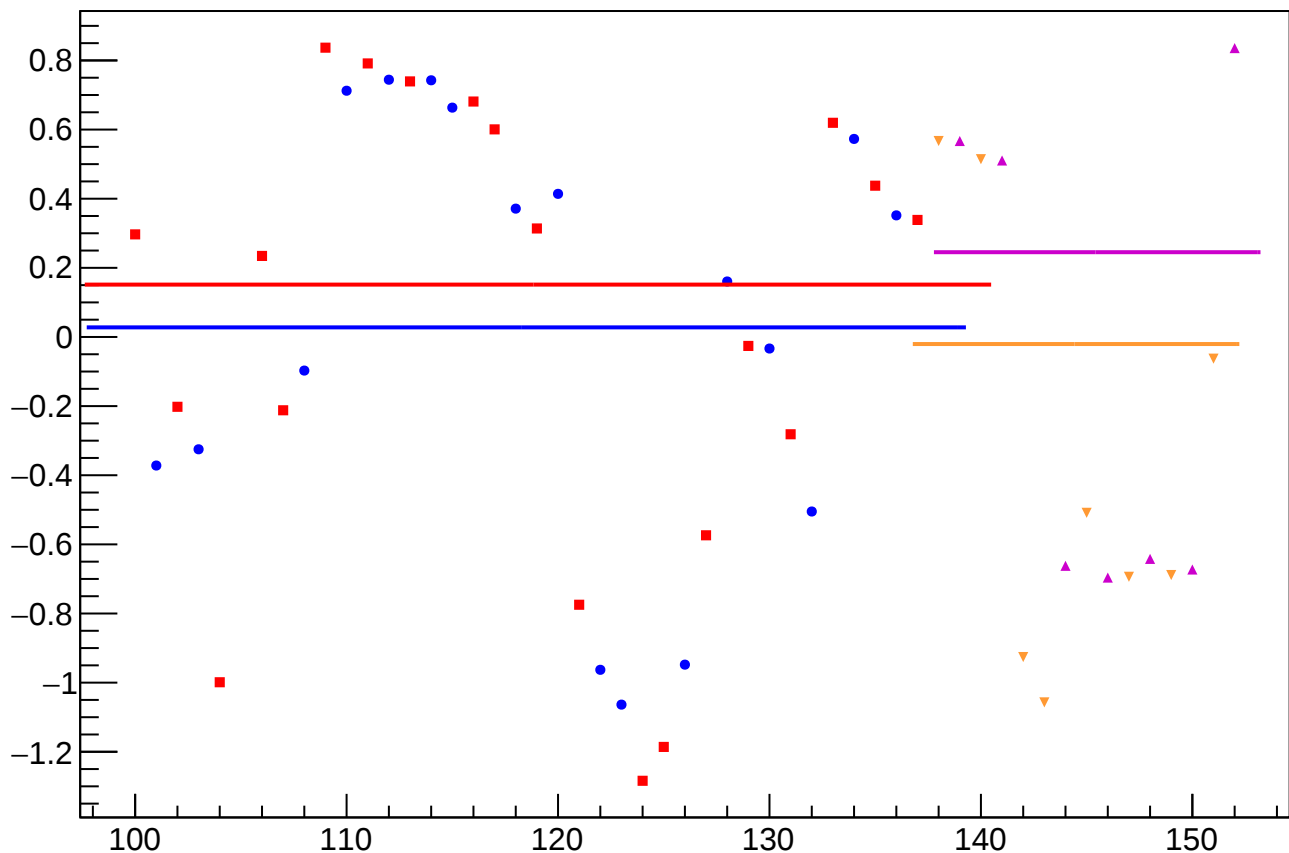
Left In: 0.013+/-0.000 χ^2/NDF : 432037.1/6

0.013+/-0.000 χ^2/NDF : 698936.0/24

0.013+/-0.000 χ^2/NDF : 1733147.5/51

0.014+/-0.000 χ^2/NDF : 1003635.1/26

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

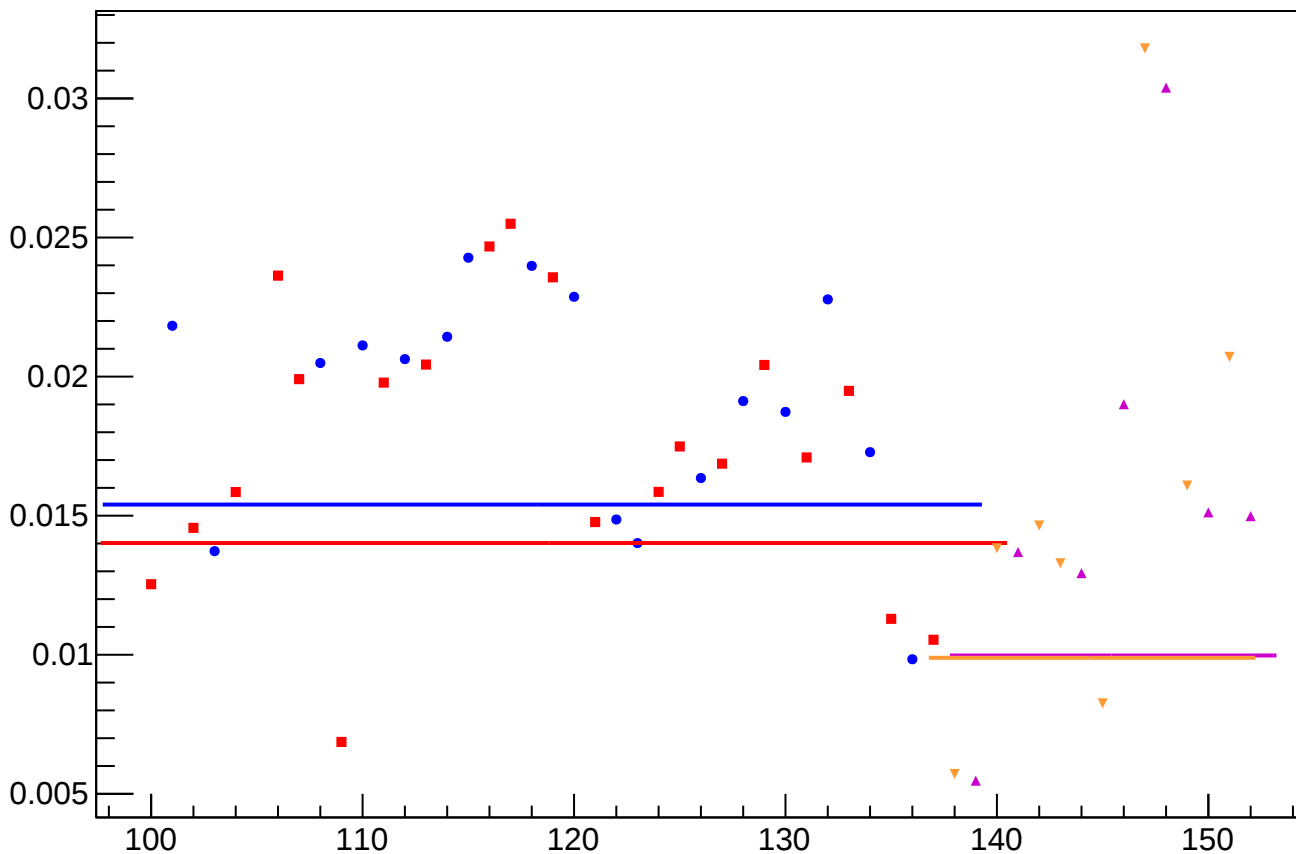
Left In: 0.245 $\pm$ 0.000 χ^2/NDF : 13451806887.9/6

-0.003 $\pm$ 0.000 χ^2/NDF : 22819510337.5/24

0.106 $\pm$ 0.000 χ^2/NDF : 50582768969.0/5

0.207 $\pm$ 0.000 χ^2/NDF : 26266441356.8/26

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

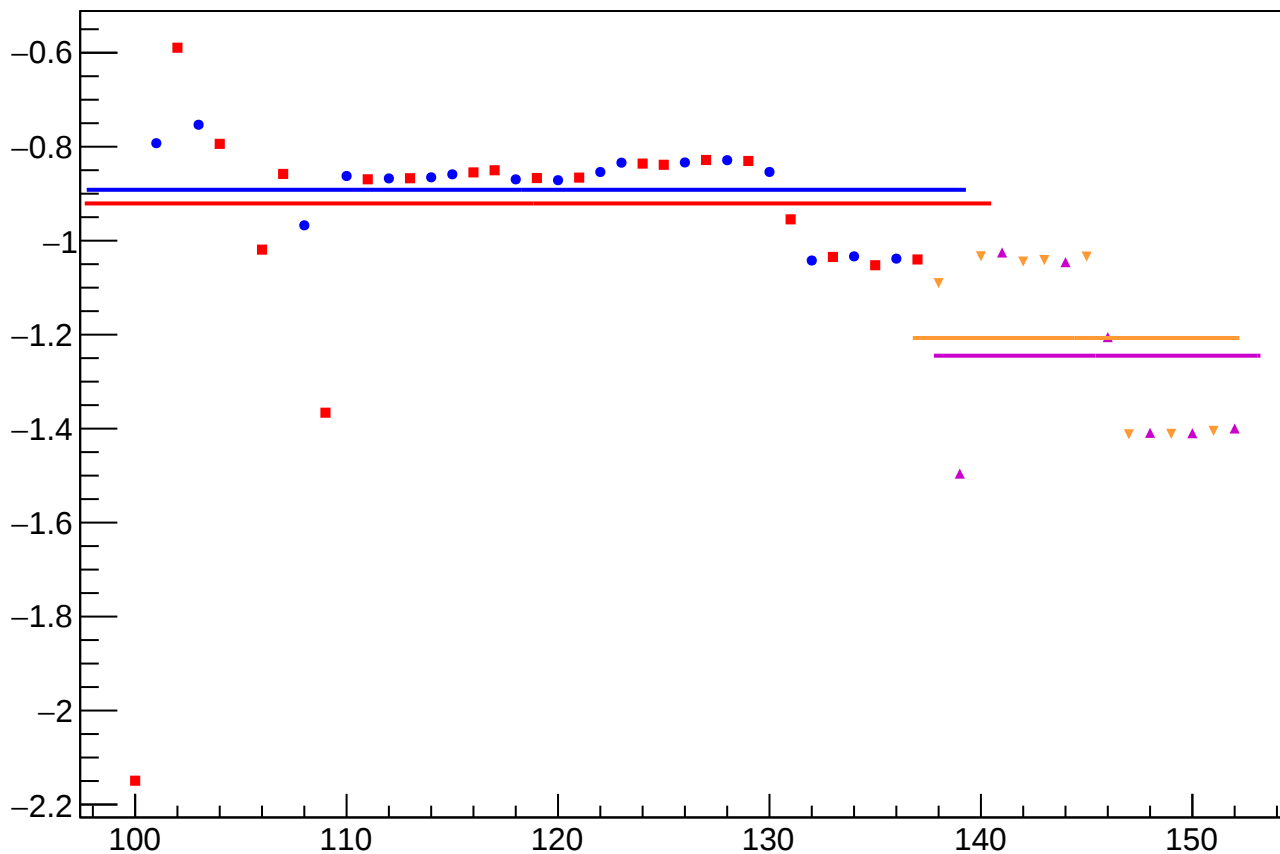
Left In: 0.010+/-0.000 χ^2/NDF : 2496253.7/6

0.012+/-0.000 χ^2/NDF : 4357301.5/24

0.012+/-0.000 χ^2/NDF : 8990180.7/51

0.012+/-0.000 χ^2/NDF : 4628306.9/26

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

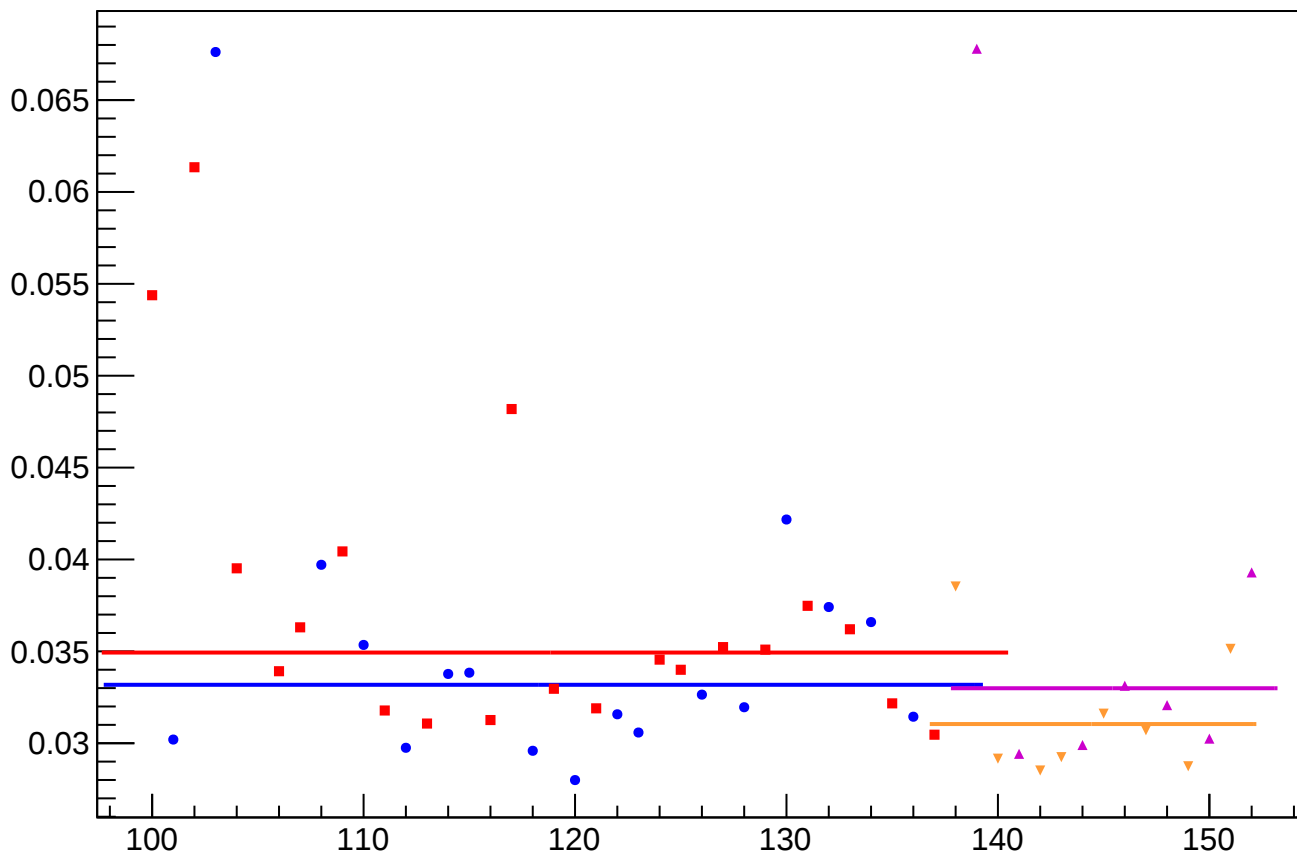
Left In: -1.245+/-0.000 χ^2/NDF : 137286360.7/6

-1.046+/-0.000 χ^2/NDF : 463703663.2/24

-1.059+/-0.000 χ^2/NDF : 987367020.3/51

-1.074+/-0.000 χ^2/NDF : 519815781.8/26

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF : 400106.0/16

Left Out: 0.031+/-0.000 χ^2/NDF : 89920.3/7

Right Out: 0.035+/-0.000 χ^2/NDF : 281256.5/19

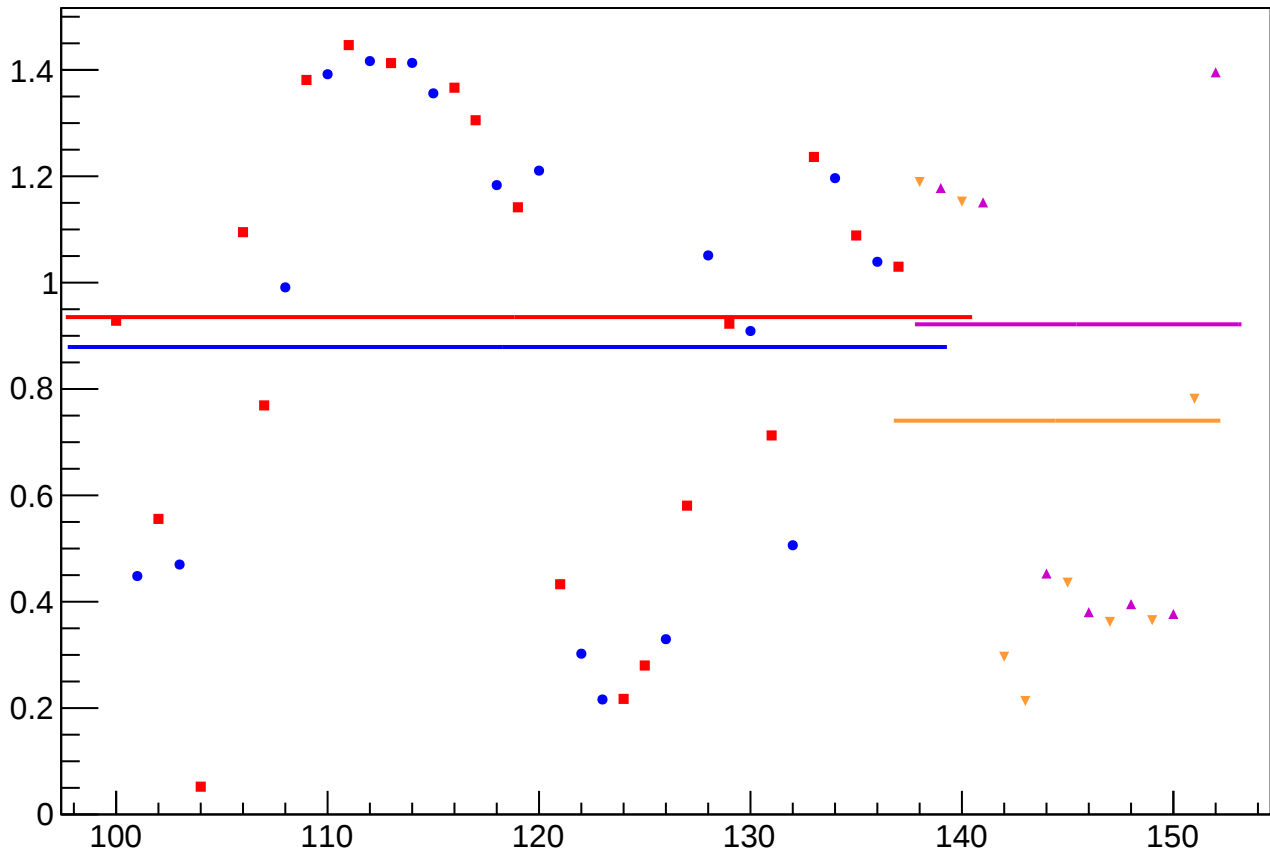
Left In: 0.033+/-0.000 χ^2/NDF : 458826.2/6

0.032+/-0.000 χ^2/NDF : 513581.4/24

0.033+/-0.000 χ^2/NDF : 1306983.1/51

0.034+/-0.000 χ^2/NDF : 758142.1/26

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

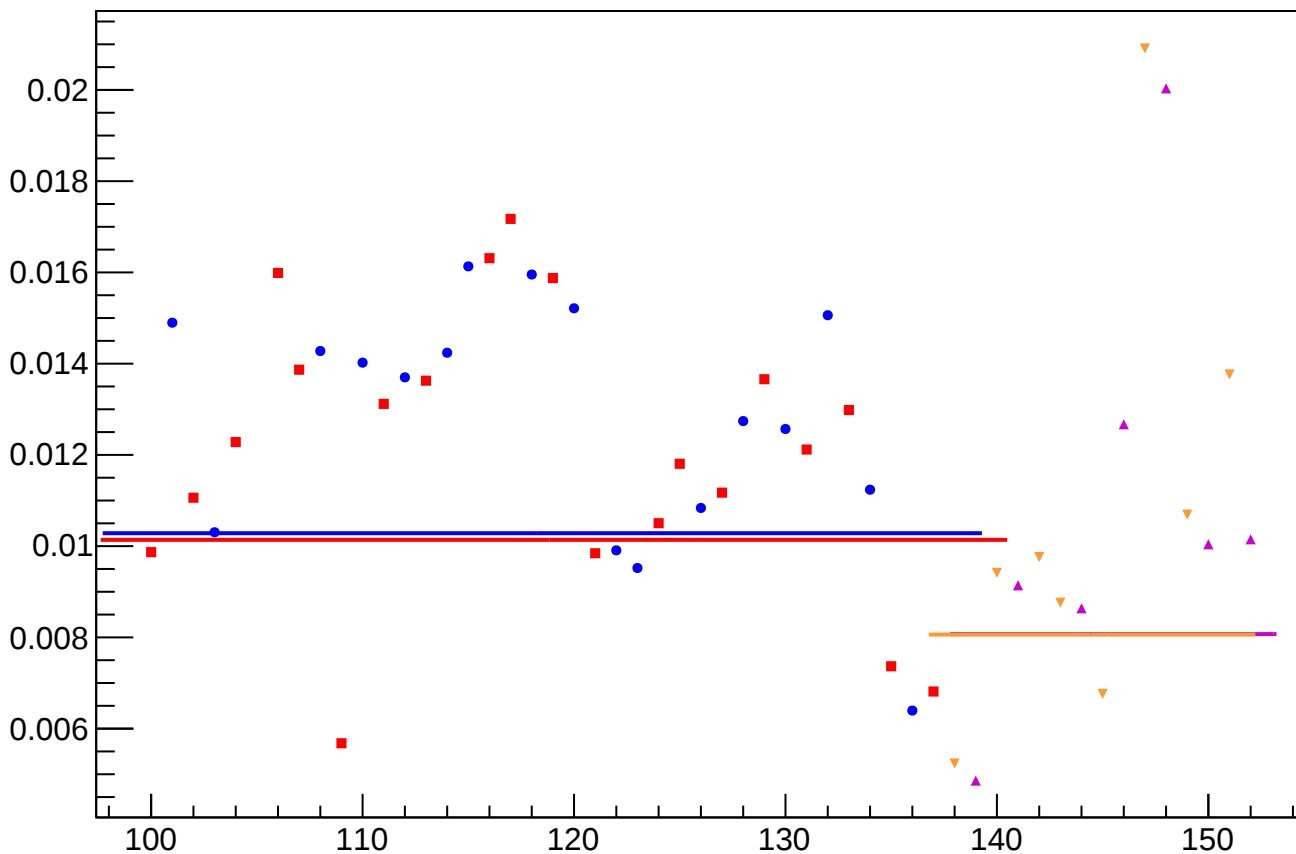
Left In: 0.922 $\pm$ 0.000 χ^2 /NDF: 10901617150.7/6

0.799 $\pm$ 0.000 χ^2 /NDF: 18865210319.6/24

0.864 $\pm$ 0.000 χ^2 /NDF: 40668612353.5/5

0.928 $\pm$ 0.000 χ^2 /NDF: 20752434655.9/26

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

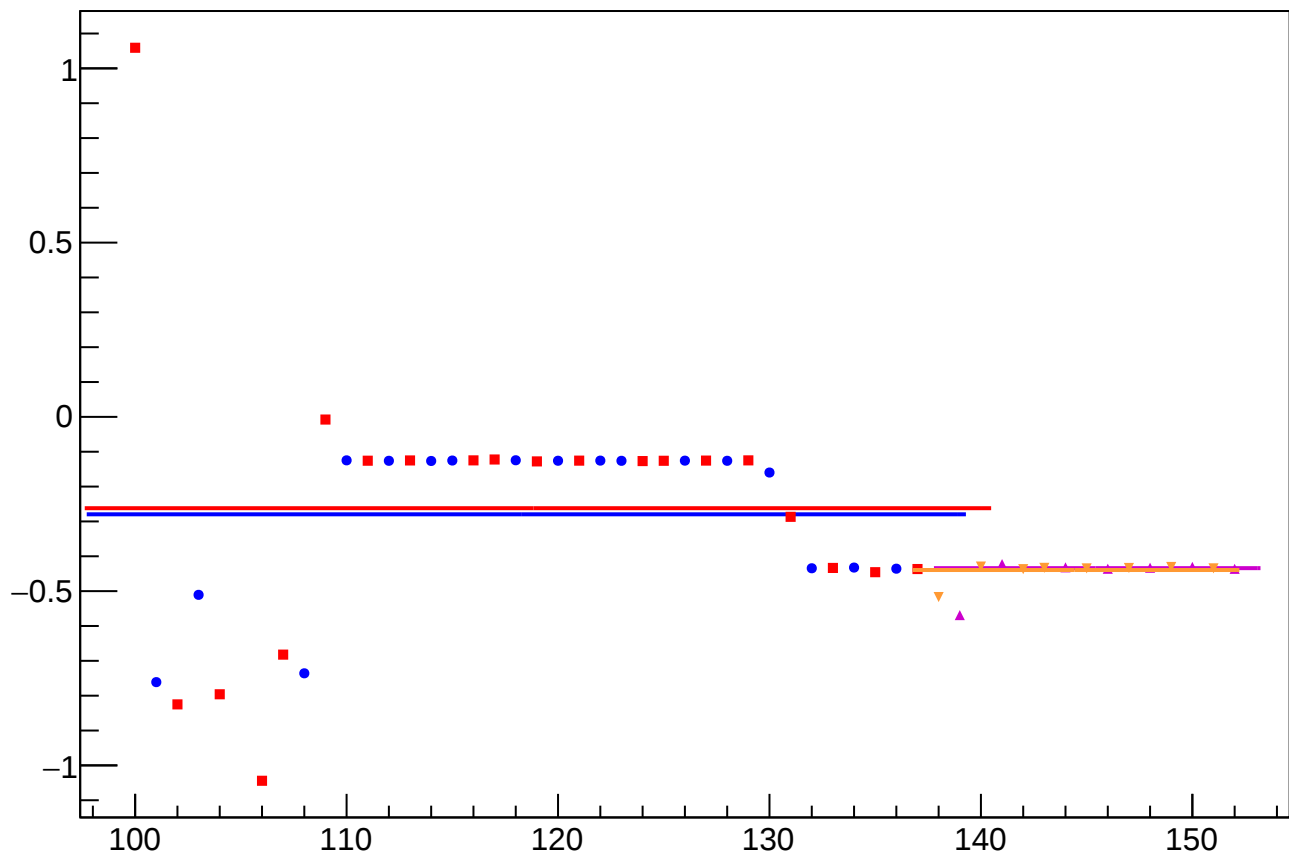
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 1483342.0/6

0.009 $\pm$ 0.000 χ^2/NDF : 2909804.5/24

0.009 $\pm$ 0.000 χ^2/NDF : 5853964.2/51

0.009 $\pm$ 0.000 χ^2/NDF : 2944143.8/26

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.280 ± 0.000 χ^2/NDF : 929210245.5/16

Left Out: -0.439 ± 0.000 χ^2/NDF : 23813184.2/7

Right Out: -0.262 ± 0.000 χ^2/NDF : 1007161741.8/19

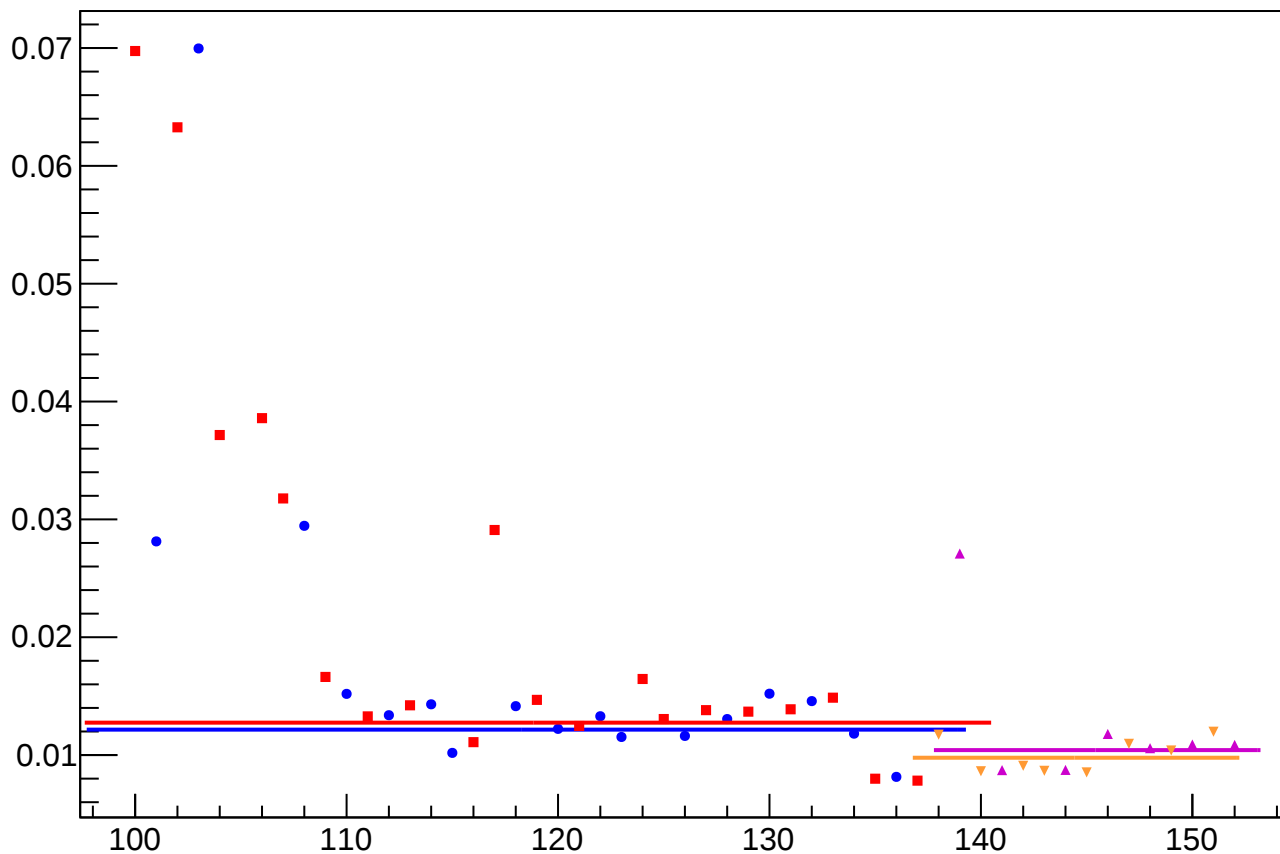
Left In: -0.434 ± 0.000 χ^2/NDF : 18858581.0/6

-0.375 ± 0.000 χ^2/NDF : 1435711231.2/24

-0.369 ± 0.000 χ^2/NDF : 2981953402.8/5

-0.362 ± 0.000 χ^2/NDF : 1539297027.8/26

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1722777.4/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:161653.3/7

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1991972.4/19

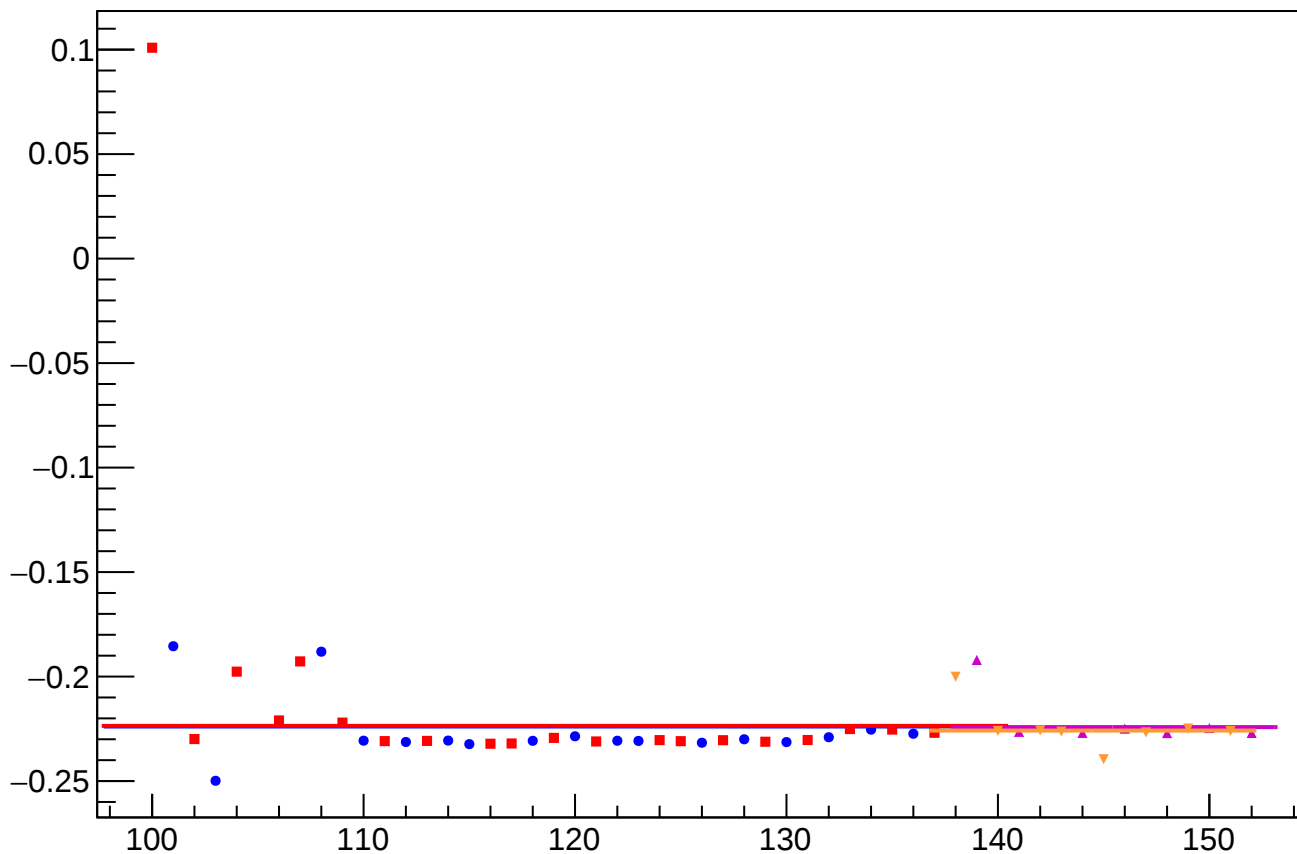
Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:658997.1/6

0.011 $\pm$ 0.000 χ^2 /NDF: 2099261.4/24

0.011 $\pm$ 0.000 χ^2 /NDF: 4972255.3/51

0.011 $\pm$ 0.000 χ^2 /NDF: 2839289.4/26

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.224+/-0.000 χ^2/NDF : 74600073.9/16

Left Out: -0.226+/-0.000 χ^2/NDF : 20513621.7/7

Right Out: -0.224+/-0.000 χ^2/NDF : 168229582.1/19

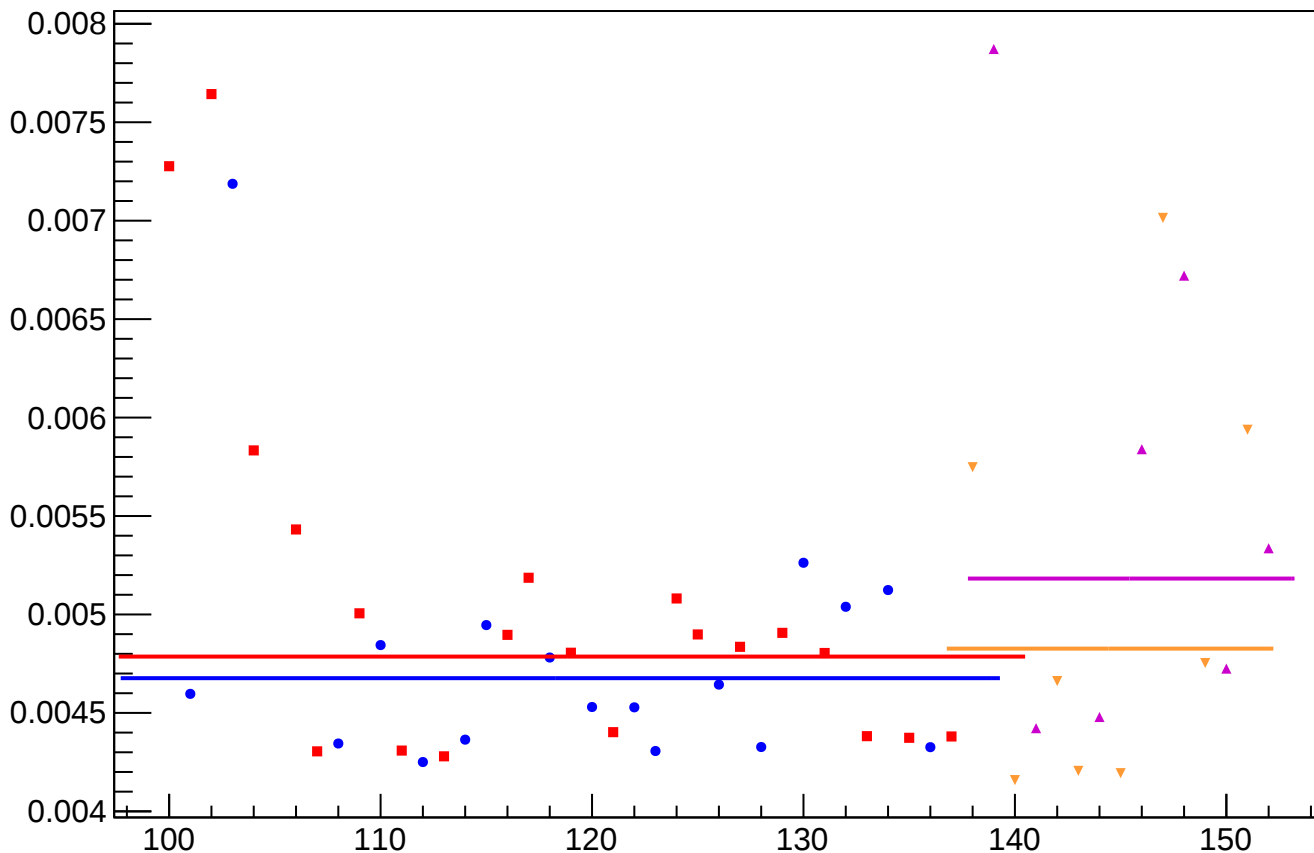
Left In: -0.224+/-0.000 χ^2/NDF : 12326461.7/6

-0.225+/-0.000 χ^2/NDF : 95575687.1/24

-0.224+/-0.000 χ^2/NDF : 276378109.0/51

-0.224+/-0.000 χ^2/NDF : 180596145.8/26

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

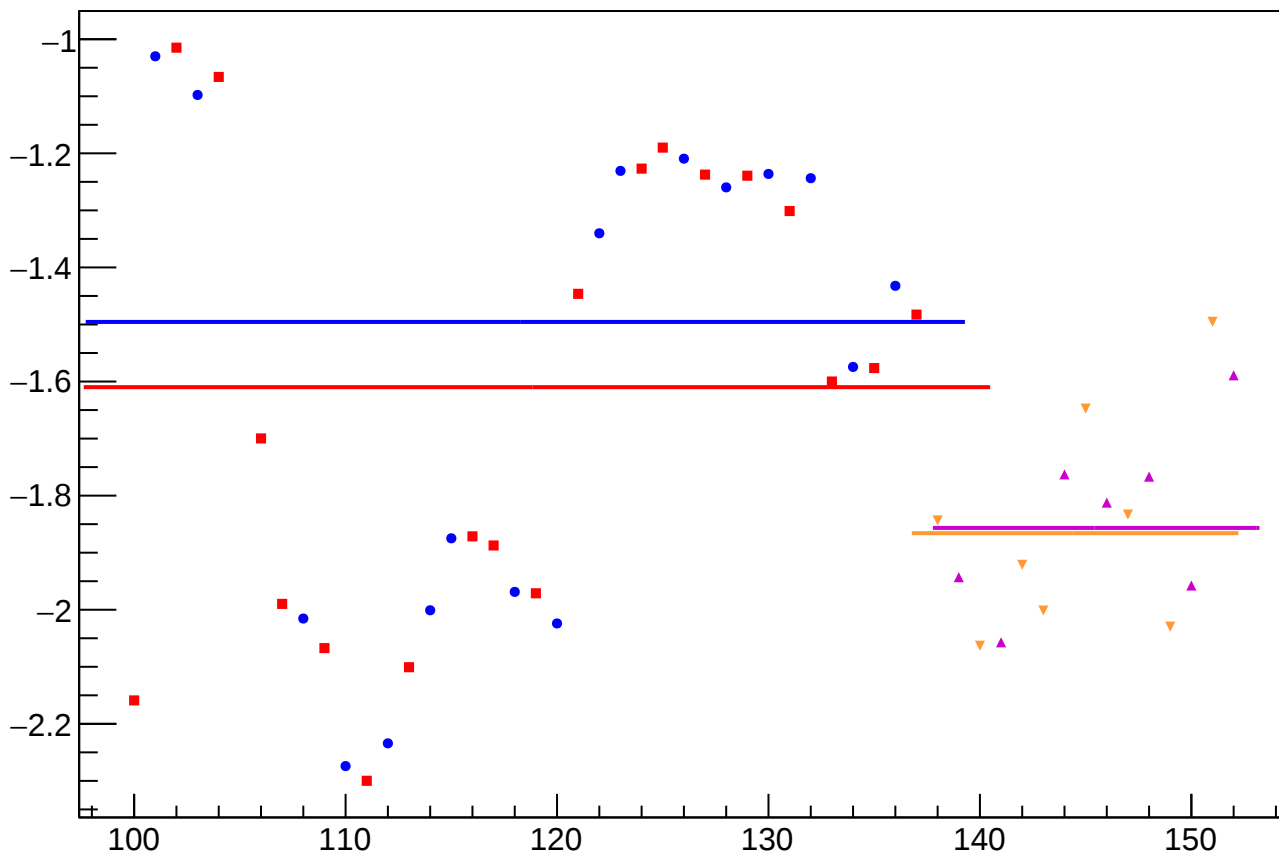
Left In: 0.005+/-0.000 χ^2/NDF : 359927.5/6

0.005+/-0.000 χ^2/NDF : 517726.3/24

0.005+/-0.000 χ^2/NDF : 1182454.2/51

0.005+/-0.000 χ^2/NDF : 644588.6/26

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

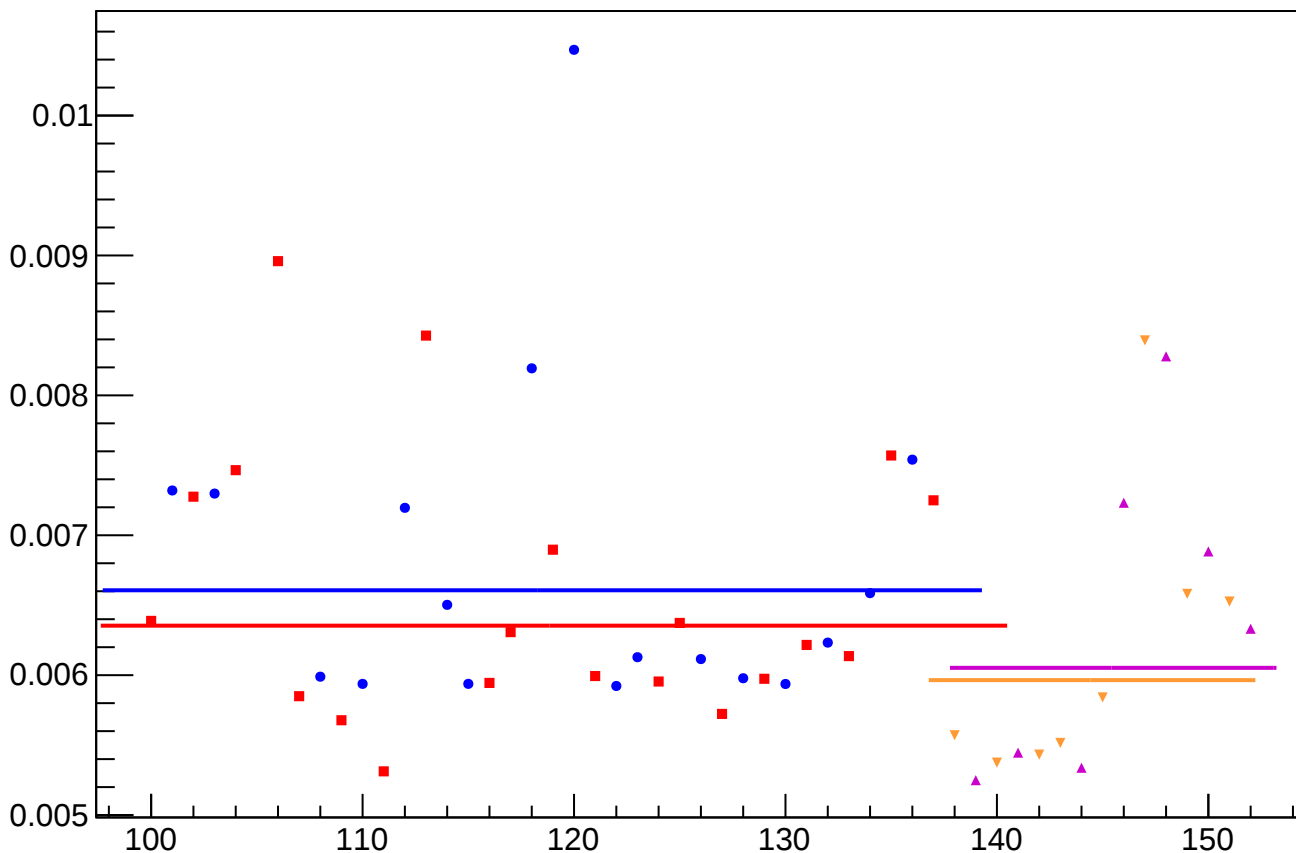
Left In: -1.857+/-0.000 χ^2/NDF : 3243196462.7/6

-1.688+/-0.000 χ^2/NDF : 37746873913.3/24

-1.707+/-0.000 χ^2/NDF : 73766109469.7/19

-1.724+/-0.000 χ^2/NDF : 35823350345.9/26

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 201323.2/16

Left Out: 0.006+/-0.000 χ^2/NDF :183823.6/7

Right Out: 0.006+/-0.000 χ^2/NDF : 227292.5/19

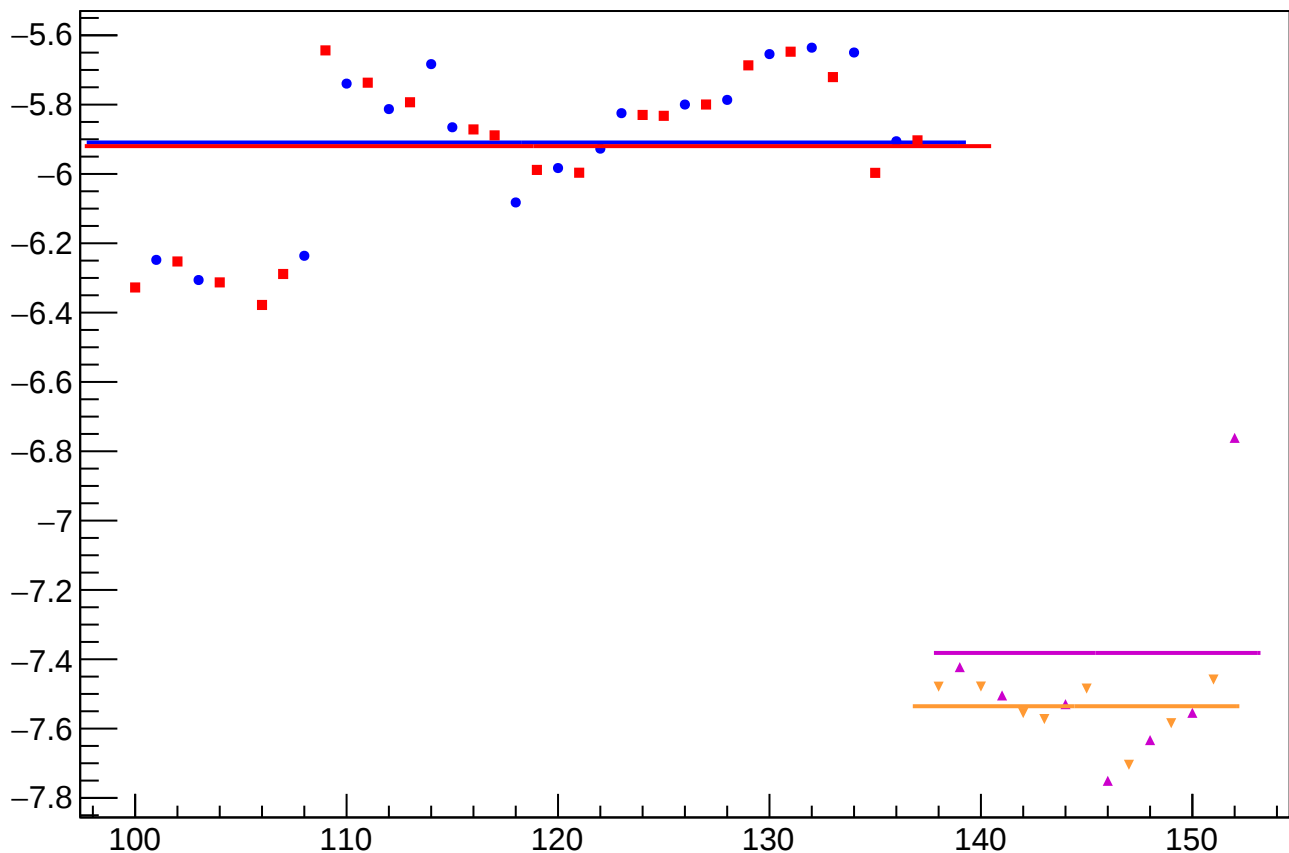
Left In: 0.006+/-0.000 χ^2/NDF :249580.0/6

0.006+/-0.000 χ^2/NDF : 444774.0/24

0.006+/-0.000 χ^2/NDF : 936535.3/51

0.006+/-0.000 χ^2/NDF : 490735.7/26

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -7.536+/-0.000 χ^2/NDF : 446846071.3/7

Right Out: -5.920+/-0.000 χ^2/NDF : 12786104538.4/19

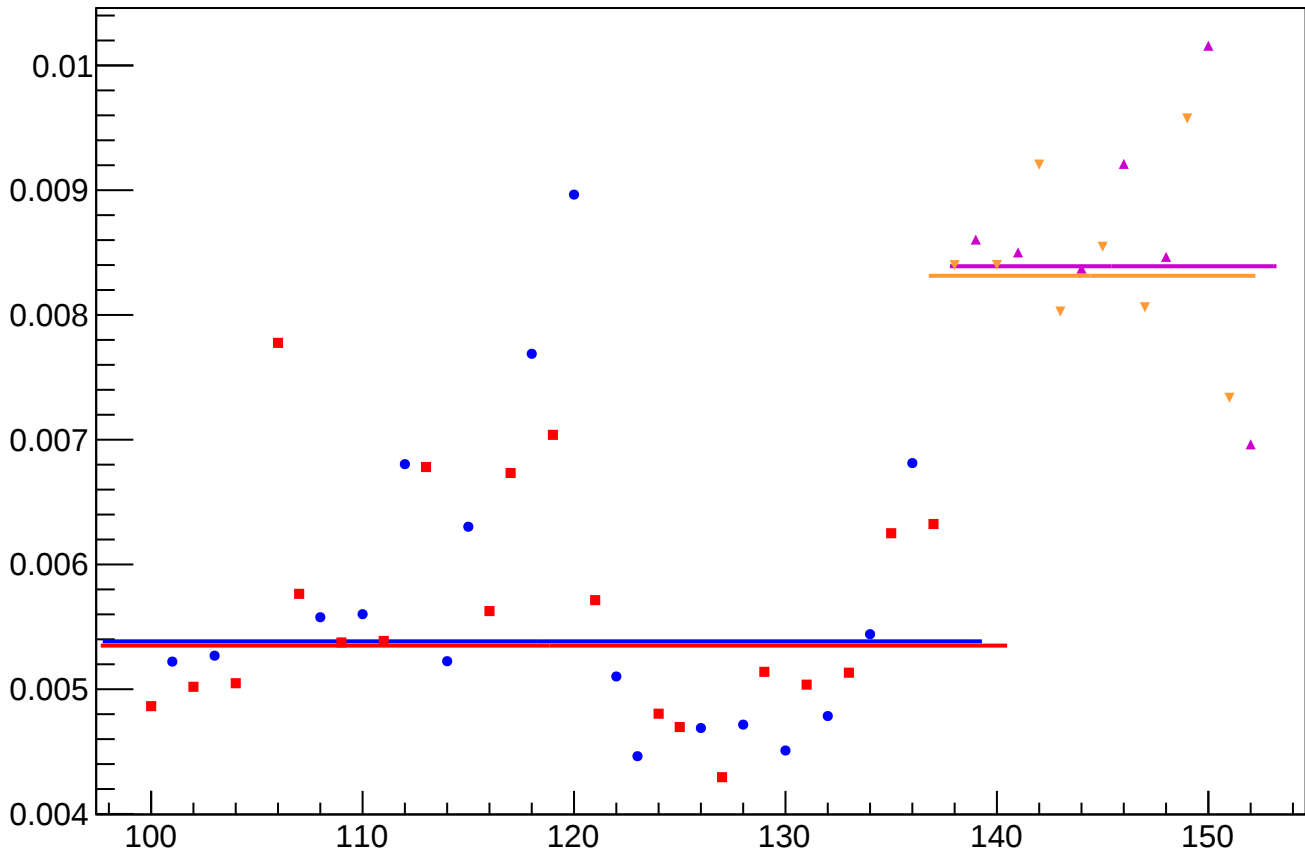
Left In: -7.382+/-0.000 χ^2/NDF : 8117407709.4/6

-6.317+/-0.000 χ^2/NDF : 145794547417.1/24

-6.289+/-0.000 χ^2/NDF : 279136311334.6

-6.262+/-0.000 χ^2/NDF : 132913412239.2/26

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

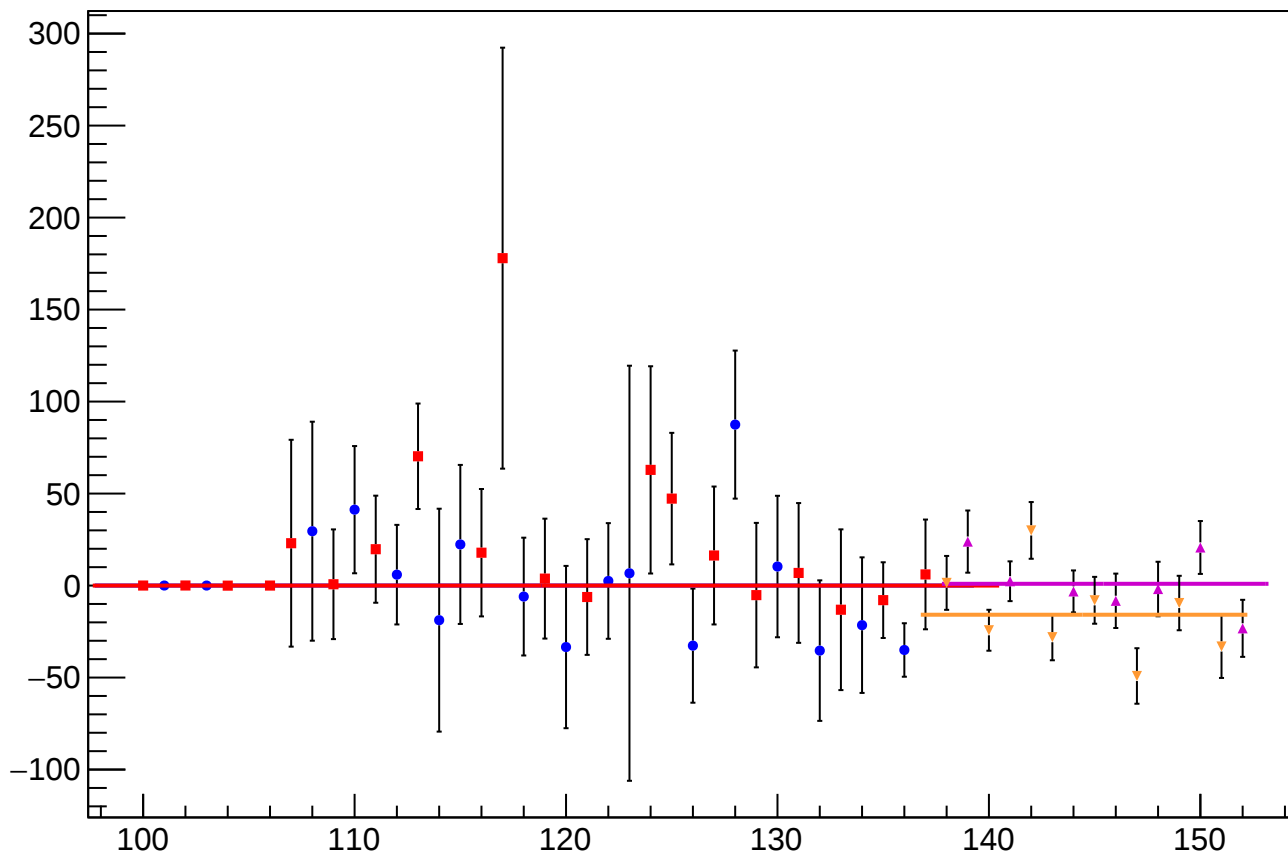
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 117641.0/6

0.006 $\pm$ 0.000 χ^2/NDF : 1275997.9/24

0.006 $\pm$ 0.000 χ^2/NDF : 2611694.1/51

0.006 $\pm$ 0.000 χ^2/NDF : 1334771.9/26

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

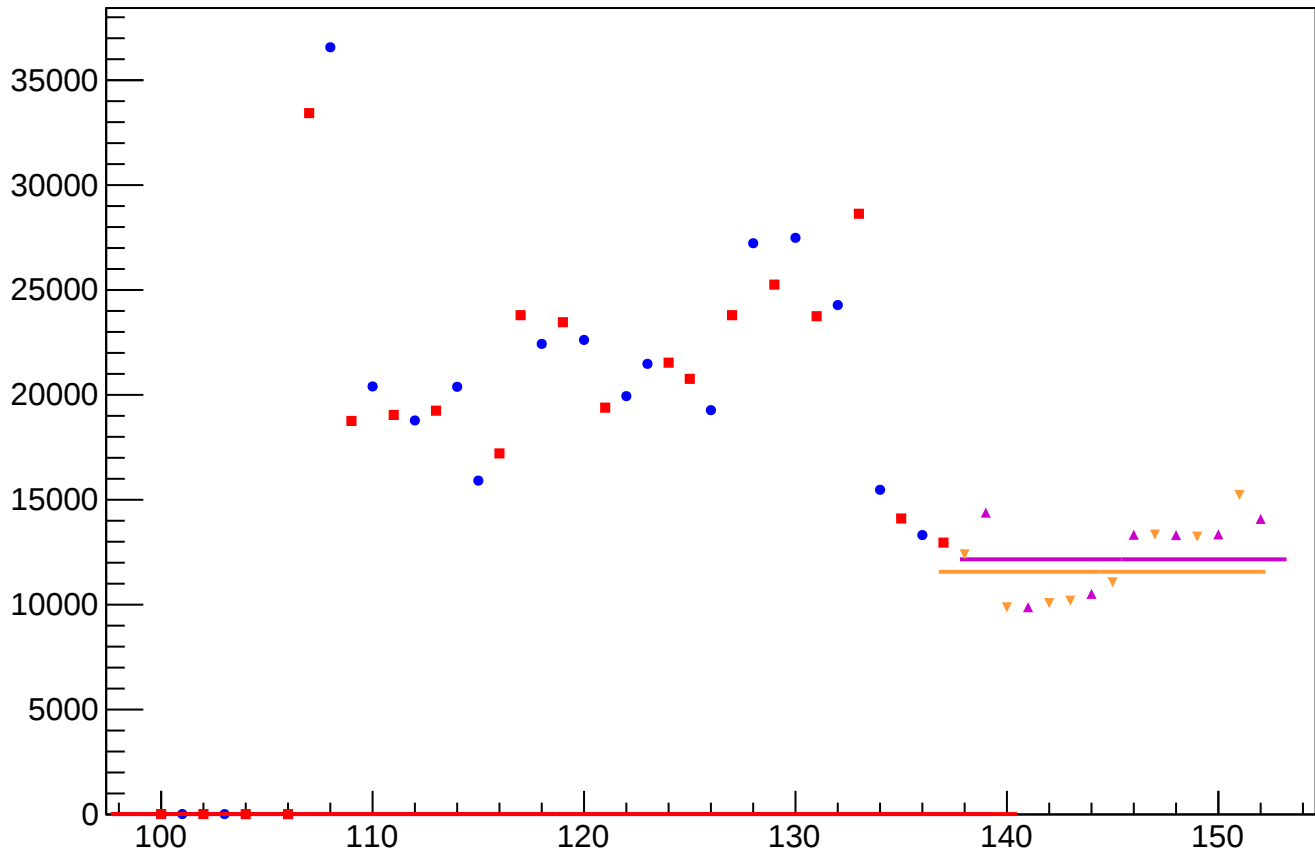
Left In: 0.961+/-5.137 χ^2/NDF : 6.7/6

0.013+/-0.017 χ^2/NDF : 44.5/24

0.004+/-0.012 χ^2/NDF : 69.5/51

-0.003+/-0.016 χ^2/NDF : 24.5/26

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 18.641+/-0.012 χ^2/NDF : 10841561.4/16

Left Out: 11567.198+/-3.457 χ^2/NDF : 243866.6/7

Right Out: 18.312+/-0.011 χ^2/NDF : 11189737.0/19

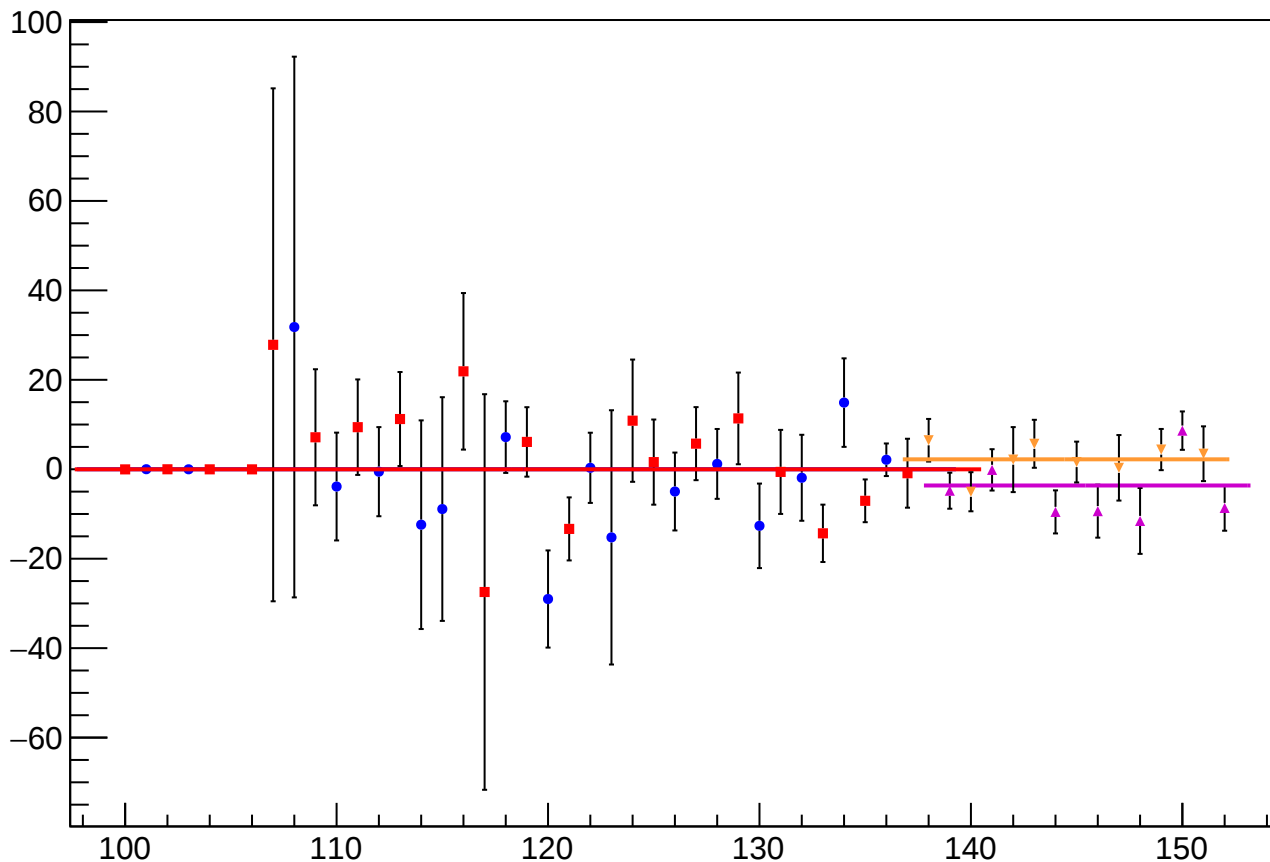
Left In: 12161.125+/-3.633 χ^2/NDF : 234763.8/6

18.786+/-0.012 χ^2/NDF : 22245953.6/24

18.595+/-0.008 χ^2/NDF : 44843706.3/51

18.431+/-0.011 χ^2/NDF : 22597300.7/26

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

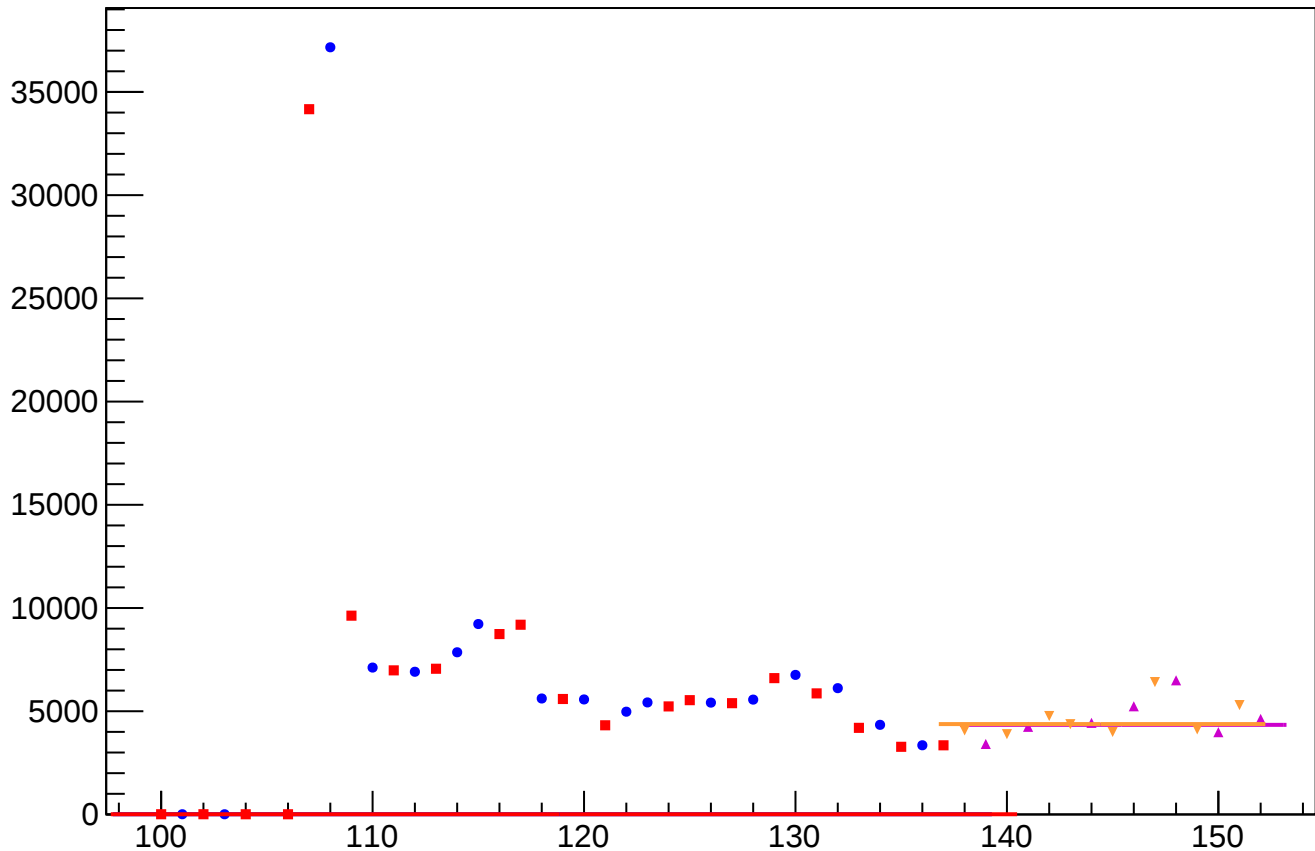
Left In: -3.629 $\pm$ 1.853 χ^2/NDF : 13.4/6

0.001 $\pm$ 0.009 χ^2/NDF : 20.7/24

-0.007 $\pm$ 0.006 χ^2/NDF : 58.1/51

-0.014 $\pm$ 0.009 χ^2/NDF : 36.0/26

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

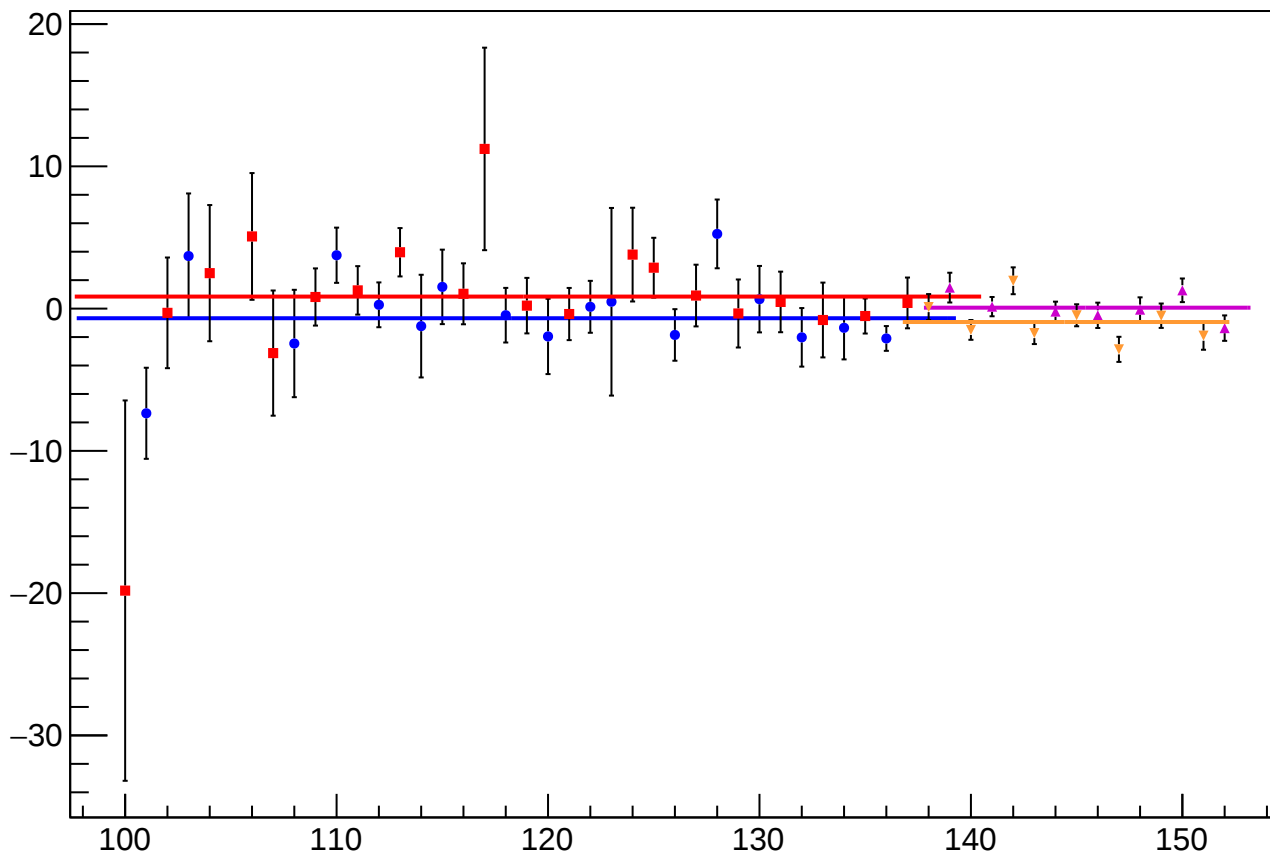
Left In: 4340.155 ± 1.310 χ^2/NDF : 345110.6/6

10.045 ± 0.007 χ^2/NDF : 22316692.4/24

9.994 ± 0.004 χ^2/NDF : 44824349.0/51

9.949 ± 0.006 χ^2/NDF : 22507539.9/26

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

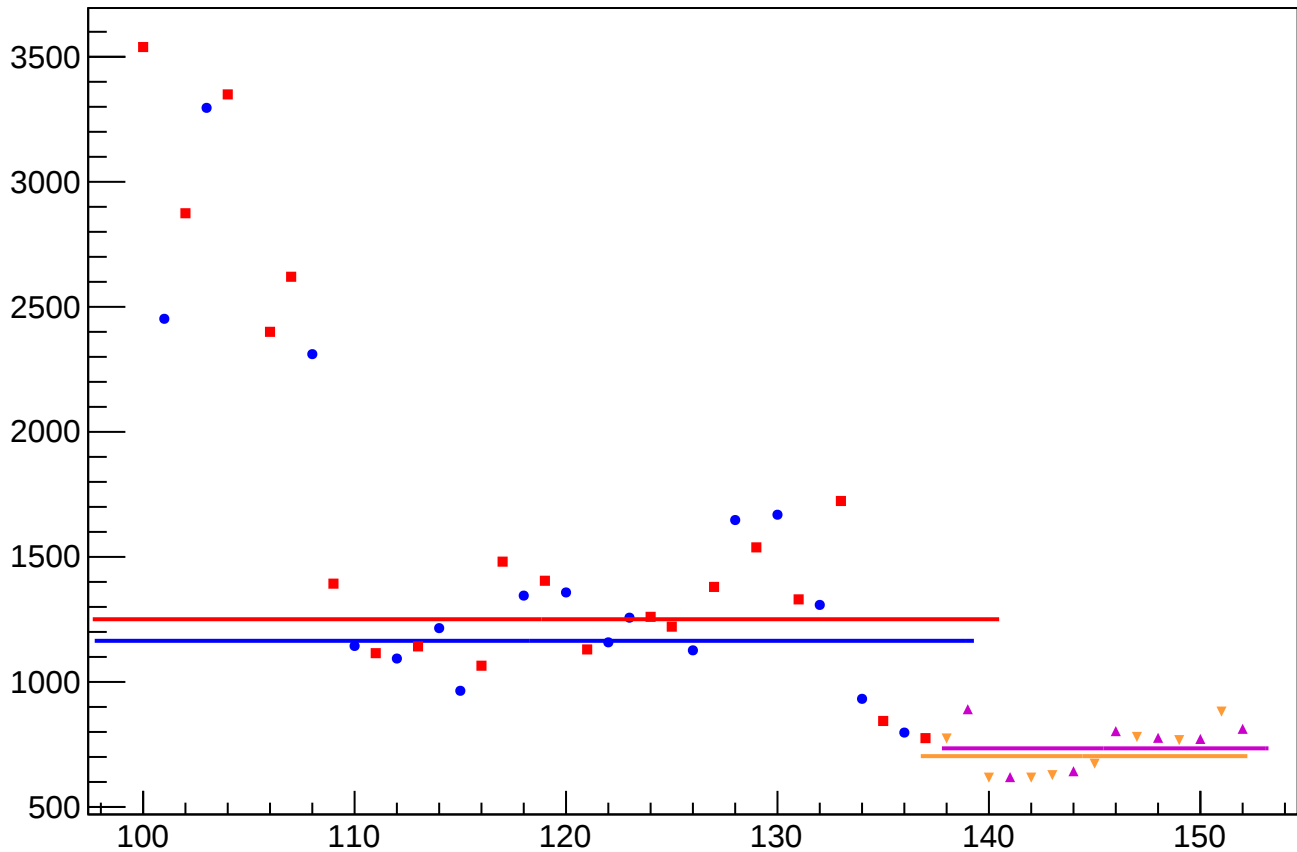
Left In: 0.065 ± 0.309 χ^2/NDF : 7.1/6

-0.869 ± 0.253 χ^2/NDF : 41.2/24

-0.317 ± 0.182 χ^2/NDF : 74.2/51

0.281 ± 0.263 χ^2/NDF : 23.0/26

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

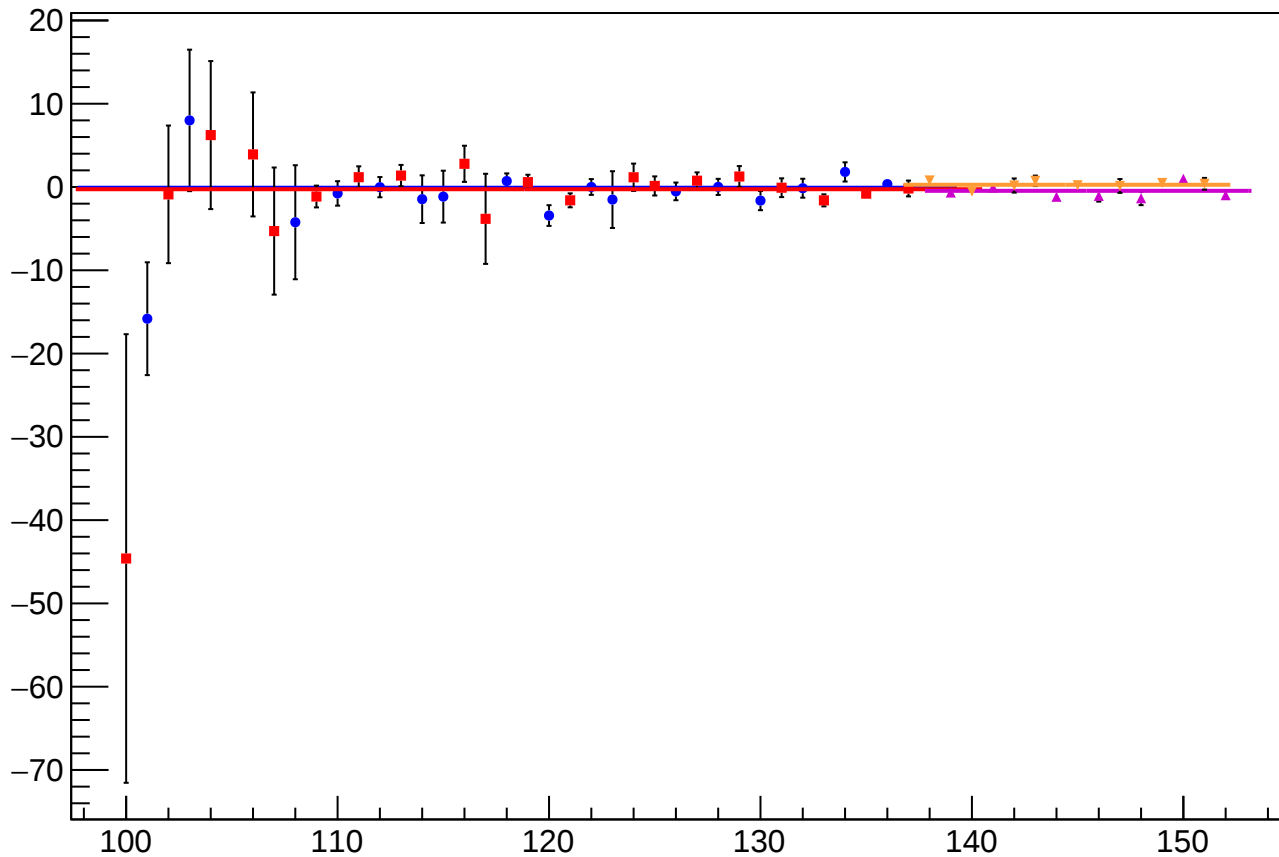
Left In: 734.419 $\pm$ 0.219 χ^2 /NDF: 172953.0/6

828.801 $\pm$ 0.179 χ^2 /NDF: 3077804.3/24

852.063 $\pm$ 0.129 χ^2 /NDF: 6480586.8/51

877.288 $\pm$ 0.186 χ^2 /NDF: 3367430.0/26

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.086 $\pm$ 0.270 χ^2/NDF : 21.1/16

Left Out: 0.269 $\pm$ 0.218 χ^2/NDF : 4.2/7

Right Out: -0.268 $\pm$ 0.264 χ^2/NDF : 20.9/19

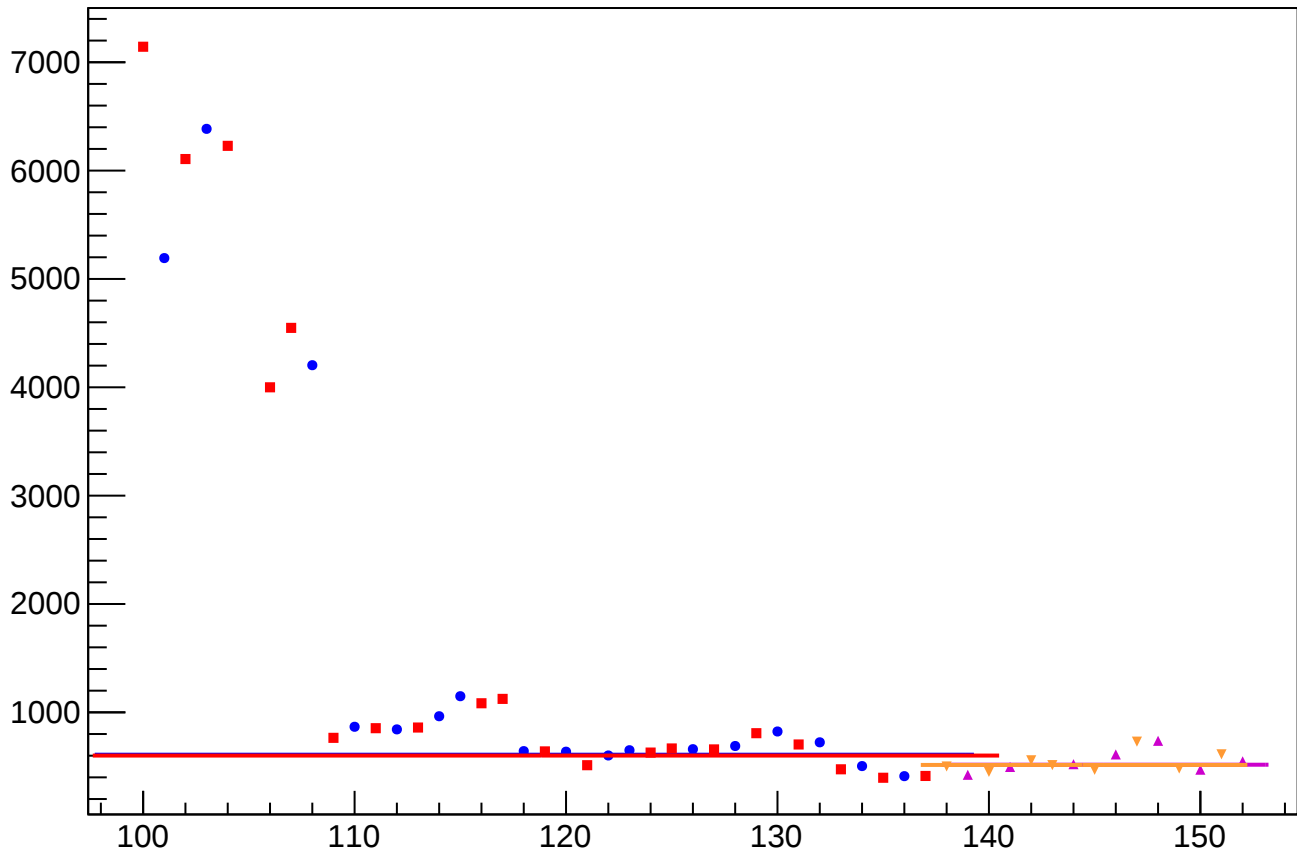
Left In: -0.460 $\pm$ 0.220 χ^2/NDF : 13.1/6

0.129 $\pm$ 0.169 χ^2/NDF : 26.3/24

-0.127 $\pm$ 0.120 χ^2/NDF : 65.1/51

-0.381 $\pm$ 0.169 χ^2/NDF : 34.3/26

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

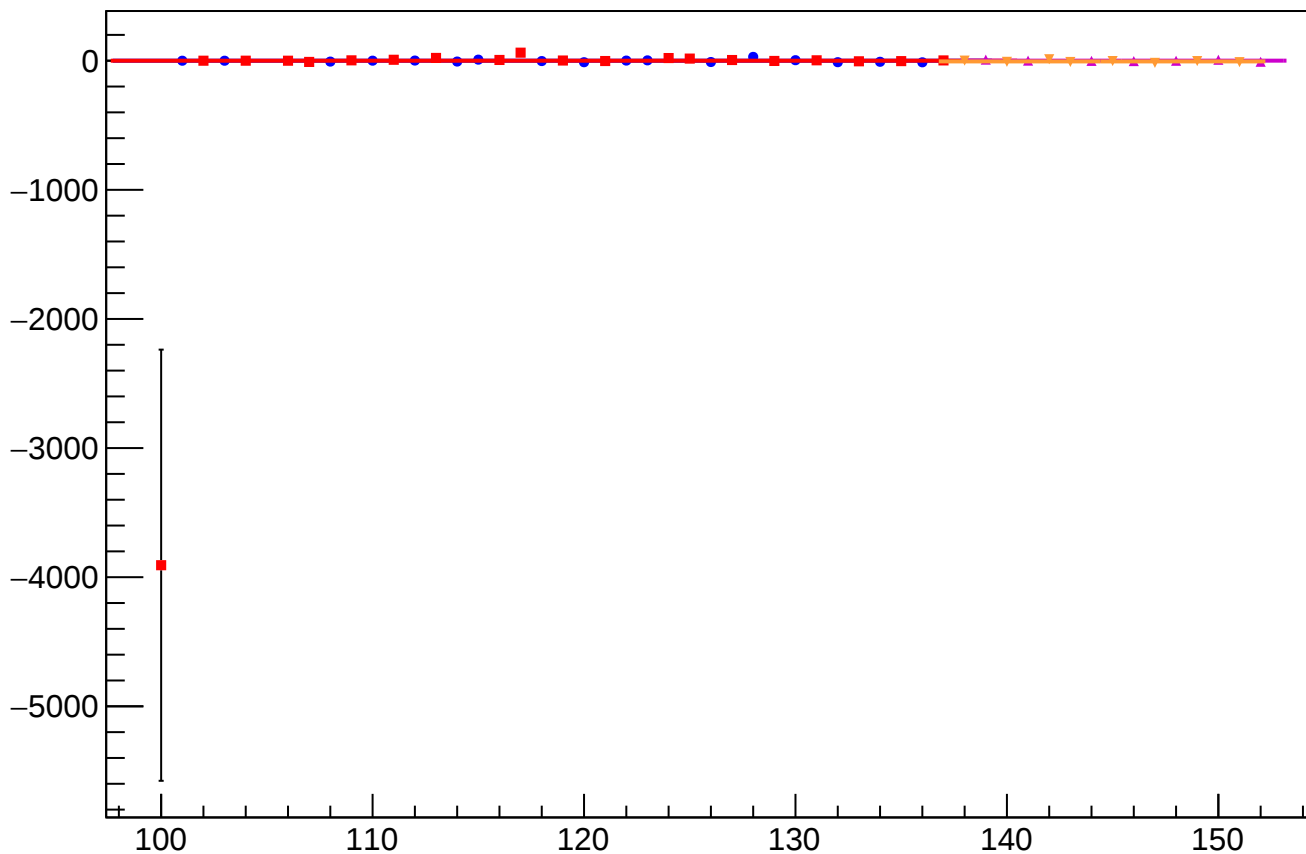
Left In: 516.598+/-0.155 χ^2/NDF : 271755.5/6

551.745+/-0.120 χ^2/NDF : 3519457.9/24

551.463+/-0.085 χ^2/NDF : 7478810.3/51

551.184+/-0.119 χ^2/NDF : 3959341.5/26

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022+/-0.021 χ^2 /NDF: 15.3/16

Left Out: -5.429+/-1.718 χ^2 /NDF: 18.9/7

Right Out: 0.027+/-0.020 χ^2 /NDF: 19.8/19

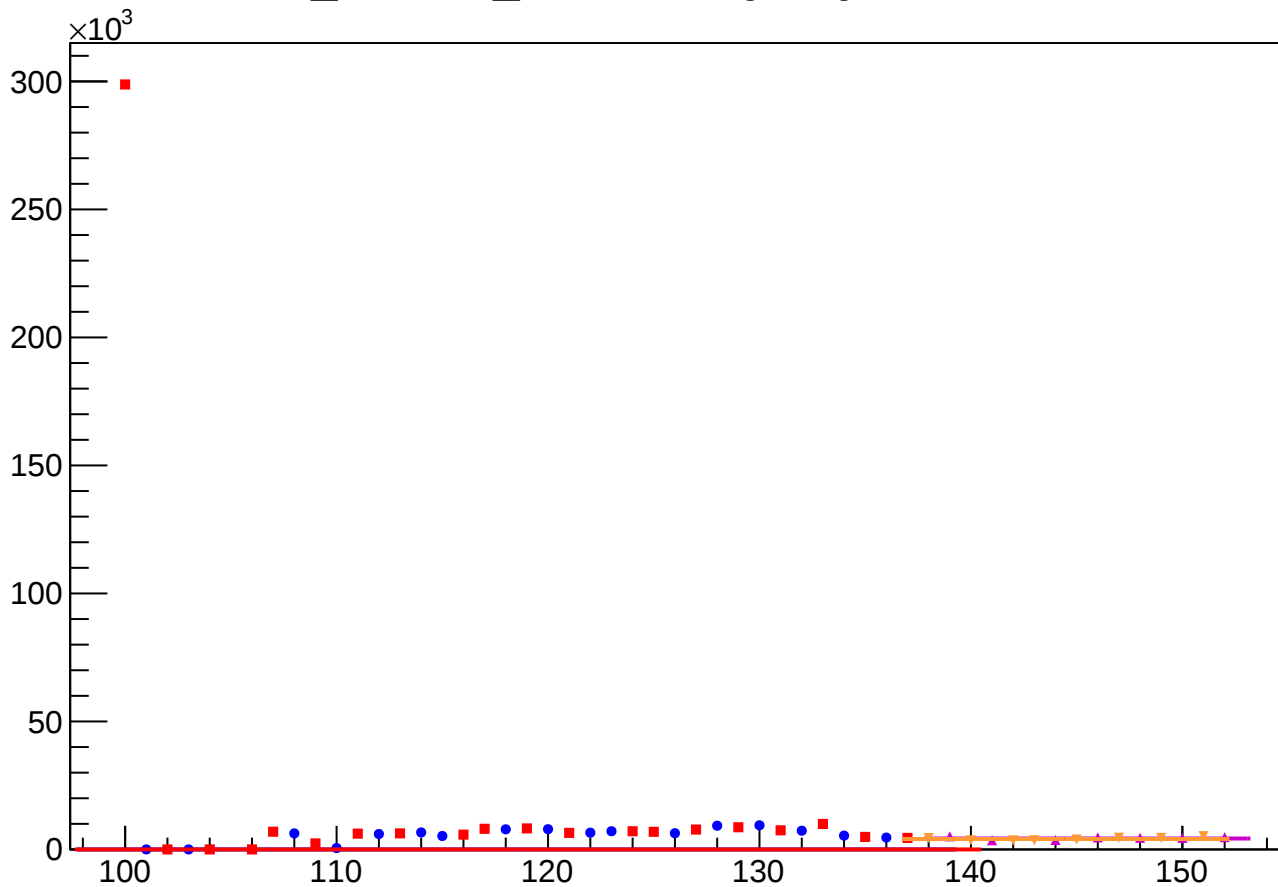
Left In: 0.392+/-1.801 χ^2 /NDF: 7.1/6

-0.022+/-0.021 χ^2 /NDF: 44.0/24

0.003+/-0.014 χ^2 /NDF: 73.9/51

0.027+/-0.020 χ^2 /NDF: 26.9/26

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

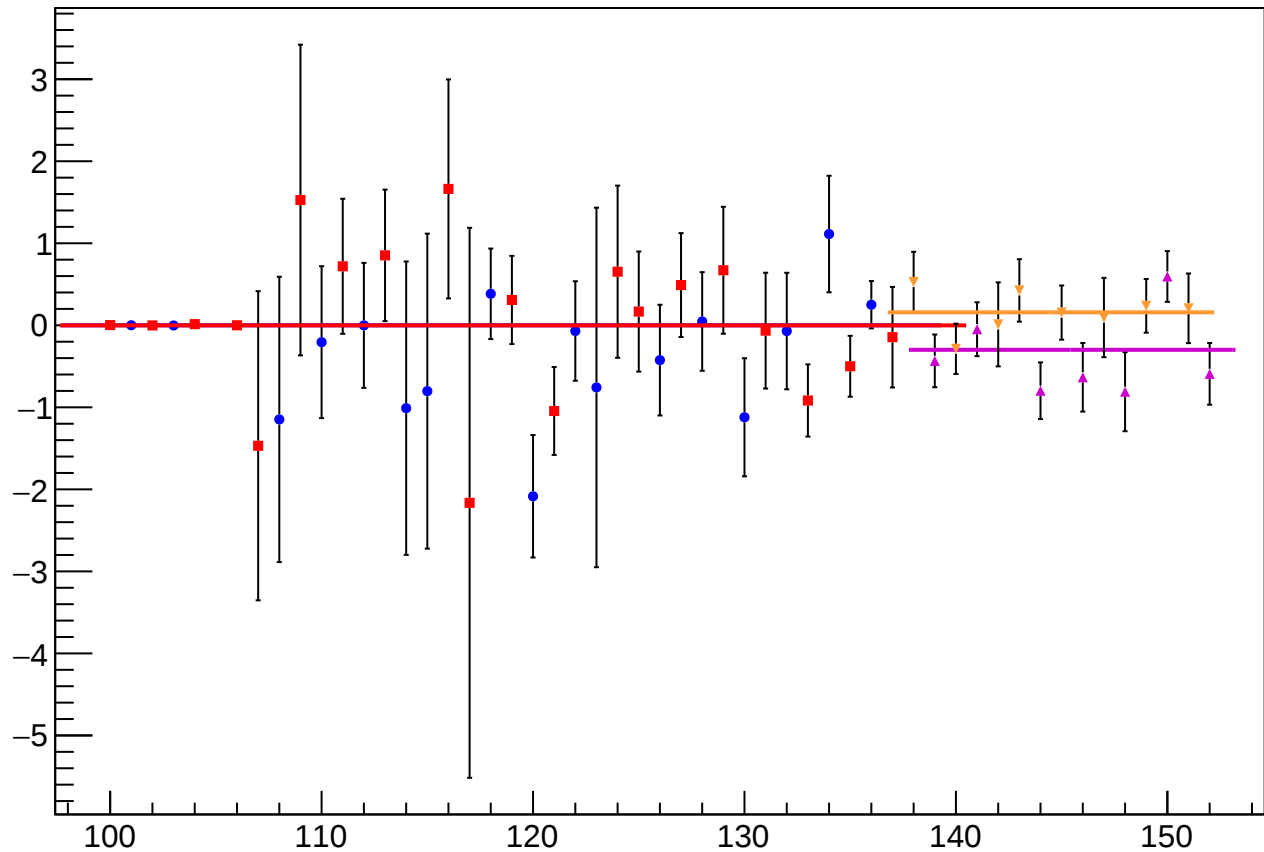
Left In: 4273.467 $\pm$ 1.273 χ^2 /NDF: 184241.6/6

17.931 $\pm$ 0.015 χ^2 /NDF: 21711912.8/24

17.854 $\pm$ 0.010 χ^2 /NDF: 43968103.4/51

17.784 $\pm$ 0.014 χ^2 /NDF: 22256137.7/26

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

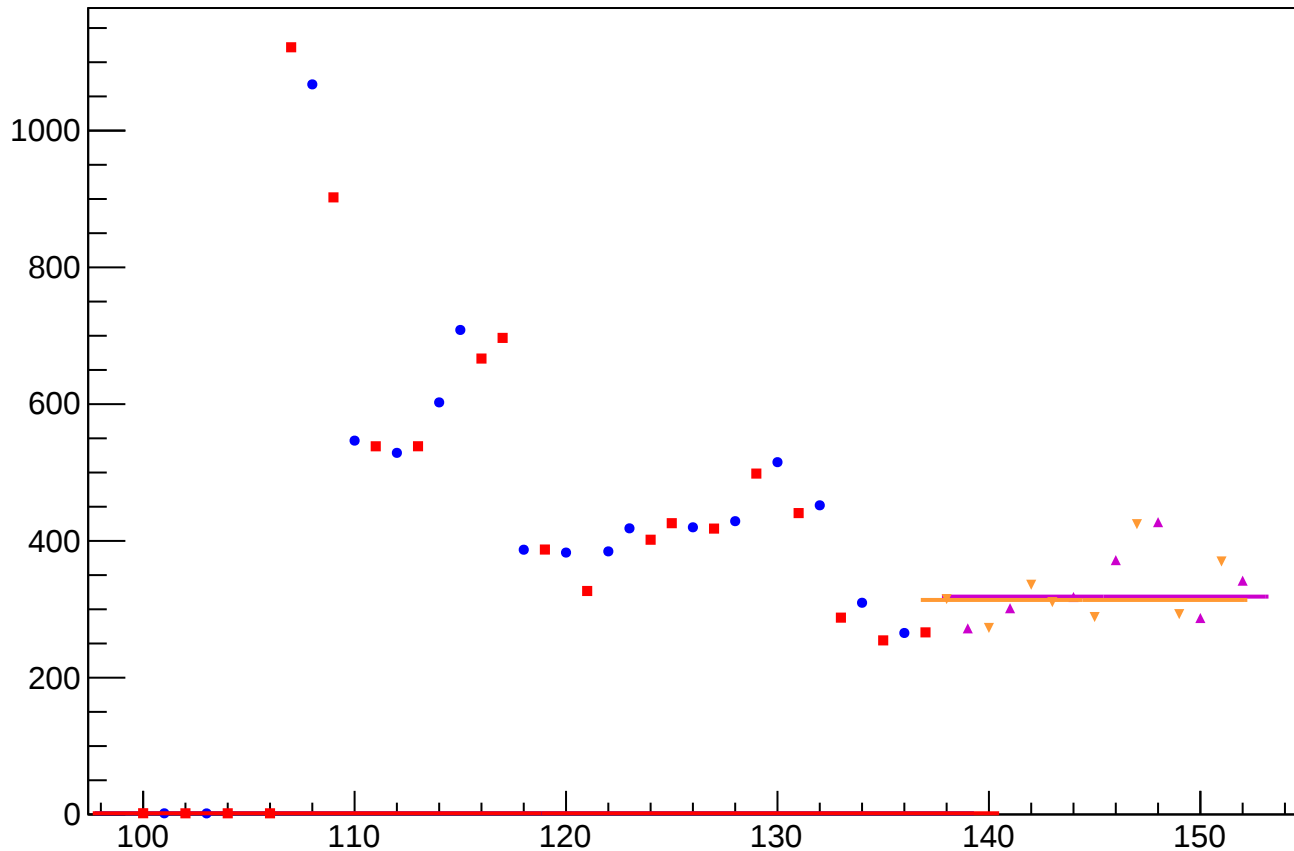
Left In: -0.299 $\pm$ 0.135 χ^2/NDF : 13.6/6

0.000 $\pm$ 0.002 χ^2/NDF : 20.8/24

-0.000 $\pm$ 0.001 χ^2/NDF : 57.7/51

-0.001 $\pm$ 0.002 χ^2/NDF : 36.7/26

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

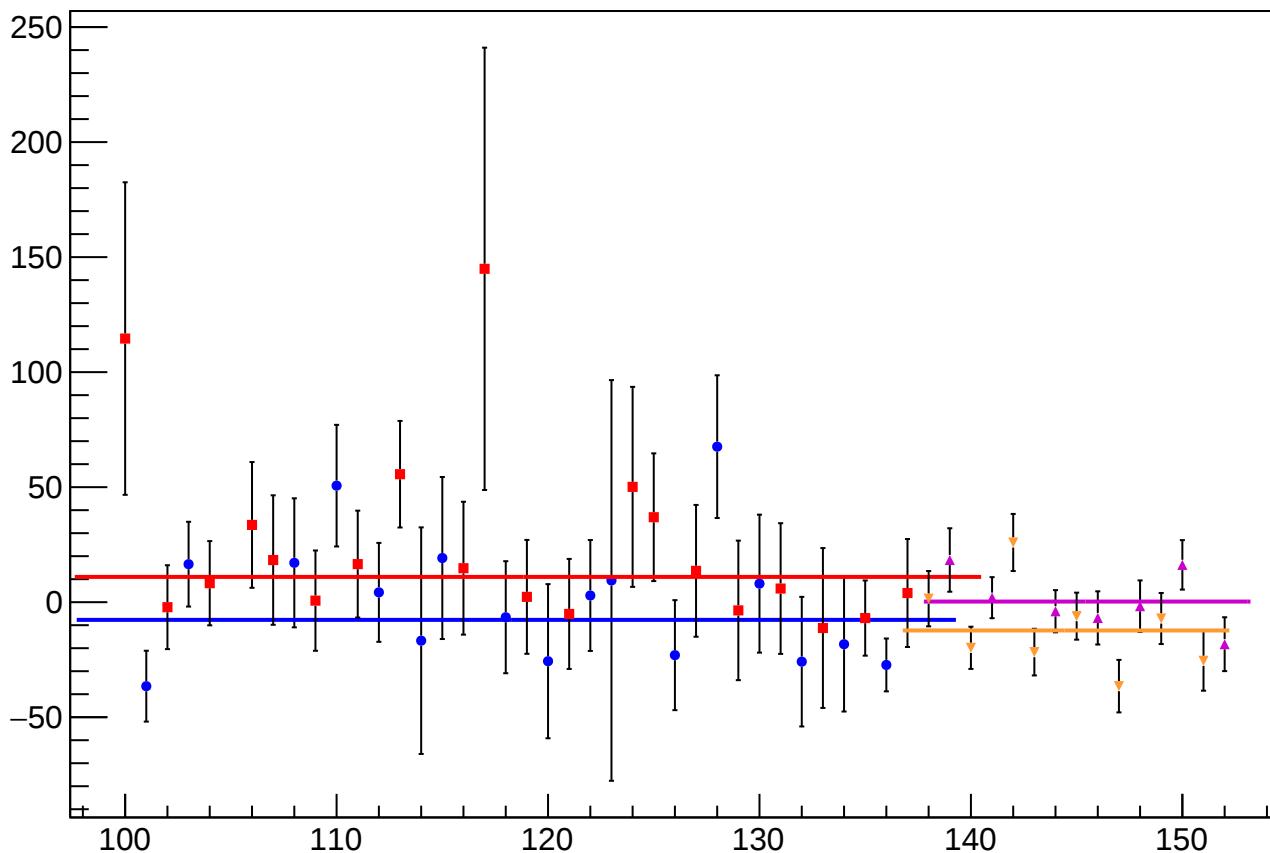
Left In: 318.553 ± 0.095 χ^2/NDF : 209856.9/6

1.772 ± 0.001 χ^2/NDF : 22220806.3/24

1.783 ± 0.001 χ^2/NDF : 44272894.6/51

1.794 ± 0.001 χ^2/NDF : 22051959.9/26

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

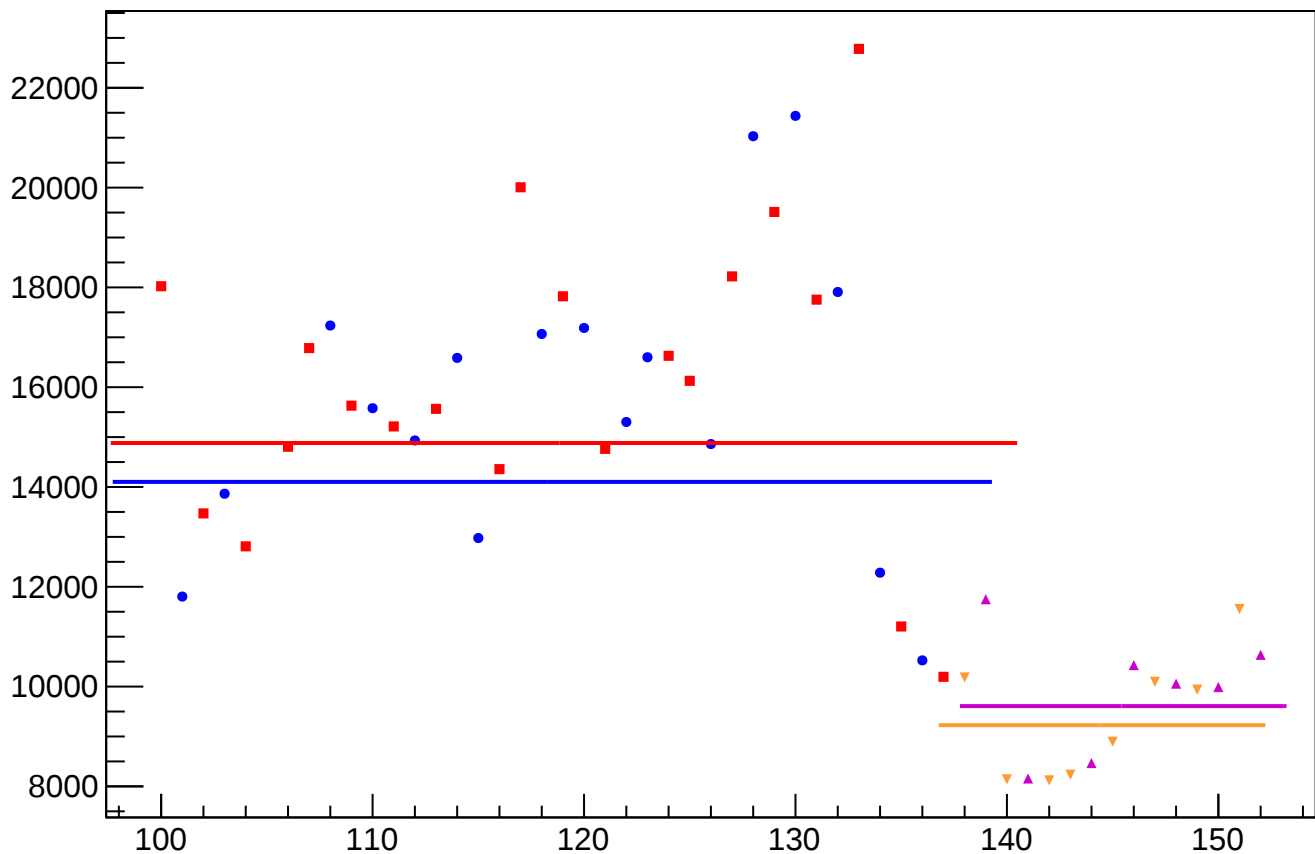
Left In: 0.268 ± 4.045 χ^2/NDF : 7.1/6

-10.806 ± 3.196 χ^2/NDF : 41.3/24

-3.682 ± 2.294 χ^2/NDF : 74.8/51

3.883 ± 3.294 χ^2/NDF : 23.3/26

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

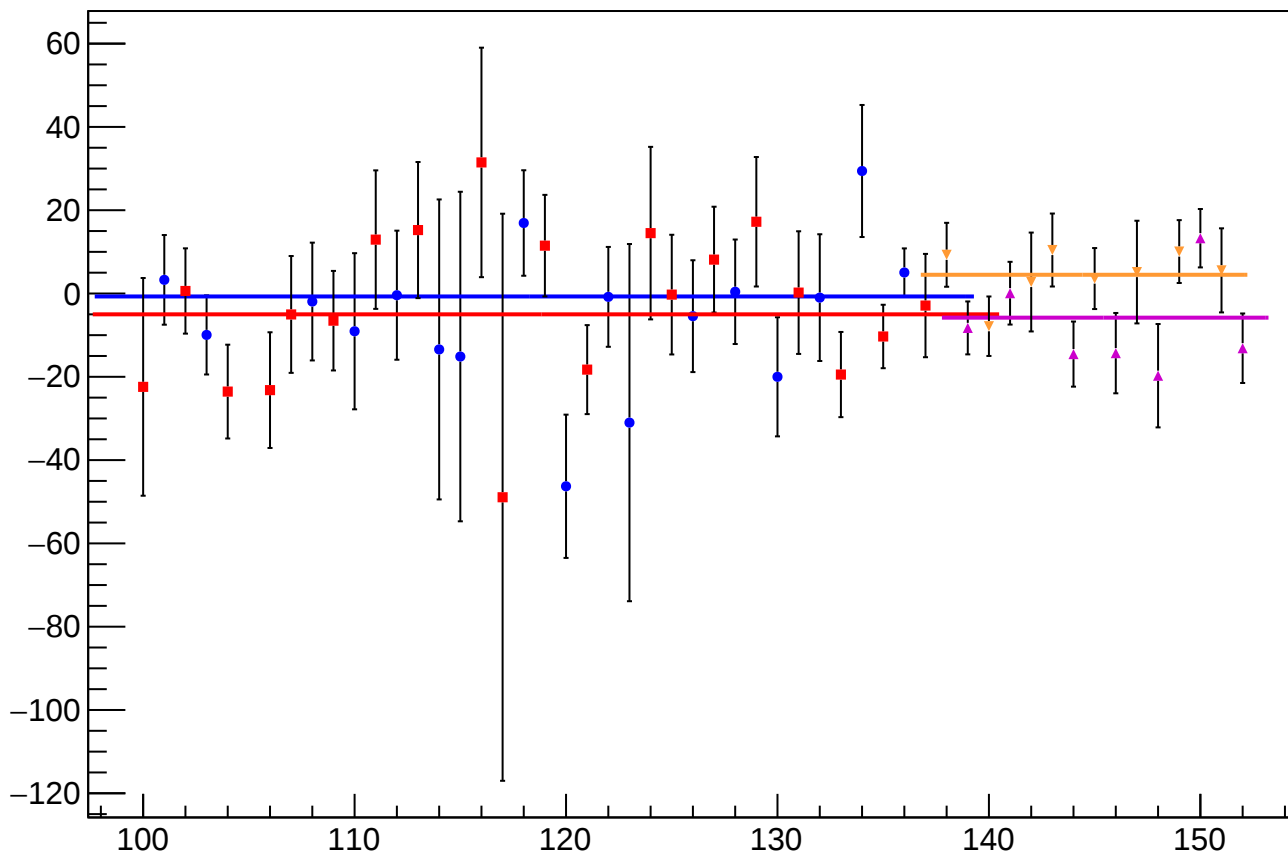
Left In: 9608.906+/-2.860 χ^2/NDF : 163317.6/6

10799.333+/-2.260 χ^2/NDF : 1778204.1/24

11084.160+/-1.622 χ^2/NDF : 3595972.5/5

11386.637+/-2.329 χ^2/NDF : 1785014.4/26

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.708 ± 3.084 χ^2/NDF : 17.6/16

Left Out: 4.498 ± 3.025 χ^2/NDF : 4.4/7

Right Out: -5.000 ± 2.937 χ^2/NDF : 20.2/19

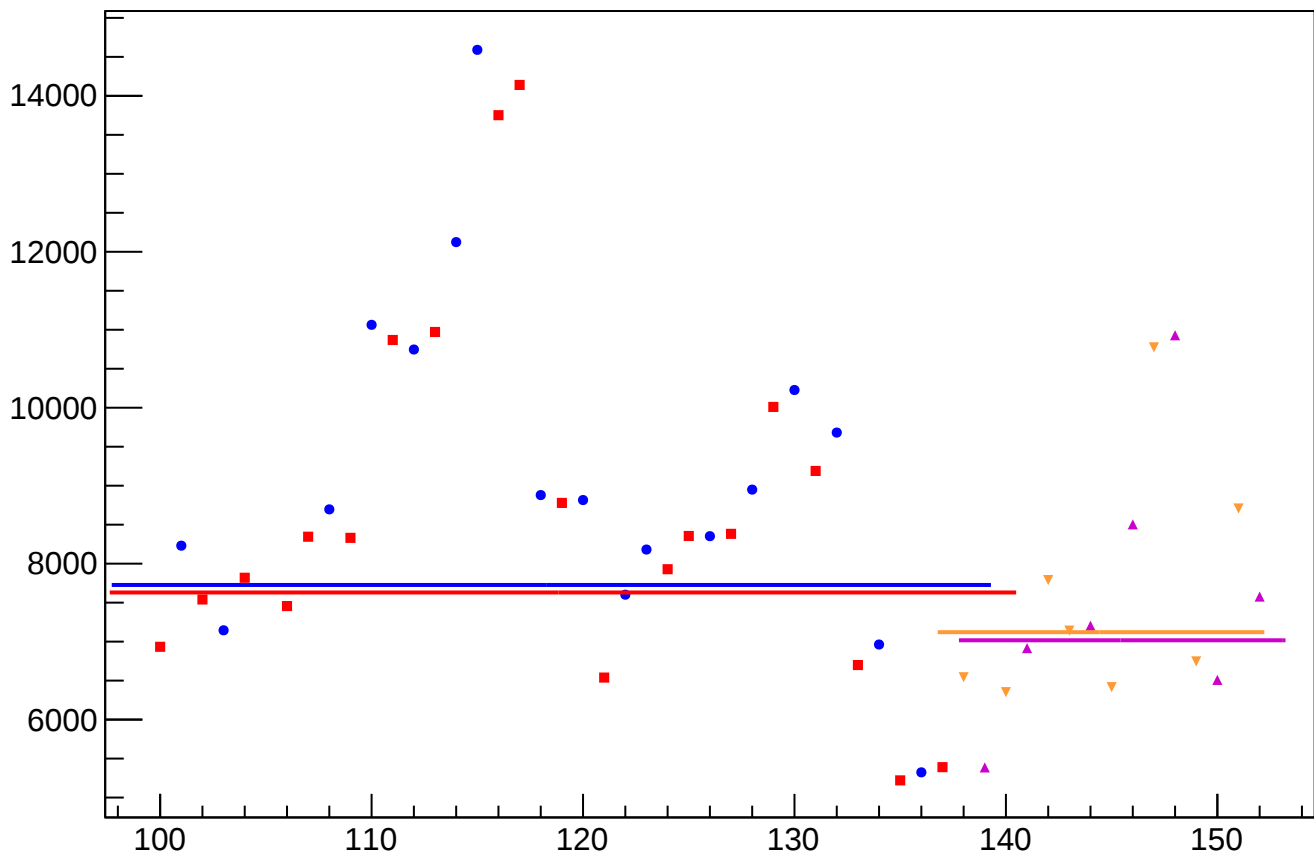
Left In: -5.800 ± 3.006 χ^2/NDF : 12.2/6

1.945 ± 2.159 χ^2/NDF : 23.4/24

-1.824 ± 1.506 χ^2/NDF : 61.8/51

-5.391 ± 2.101 χ^2/NDF : 32.4/26

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

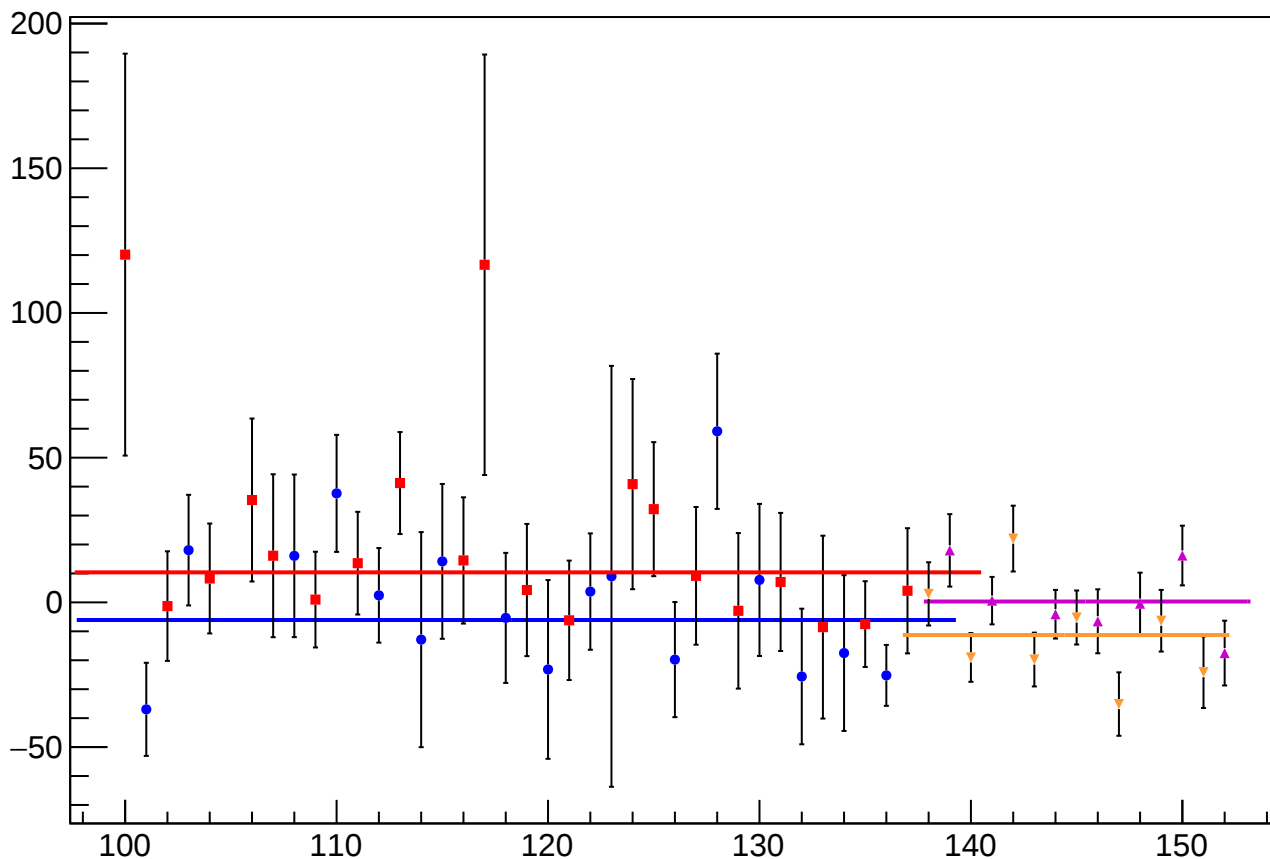
Left In: 7017.159 $\pm$ 2.125 χ^2/NDF : 399027.0/6

7418.062 $\pm$ 1.527 χ^2/NDF : 1071344.1/24

7373.249 $\pm$ 1.065 χ^2/NDF : 2208078.6/51

7330.840 $\pm$ 1.485 χ^2/NDF : 1135057.8/26

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

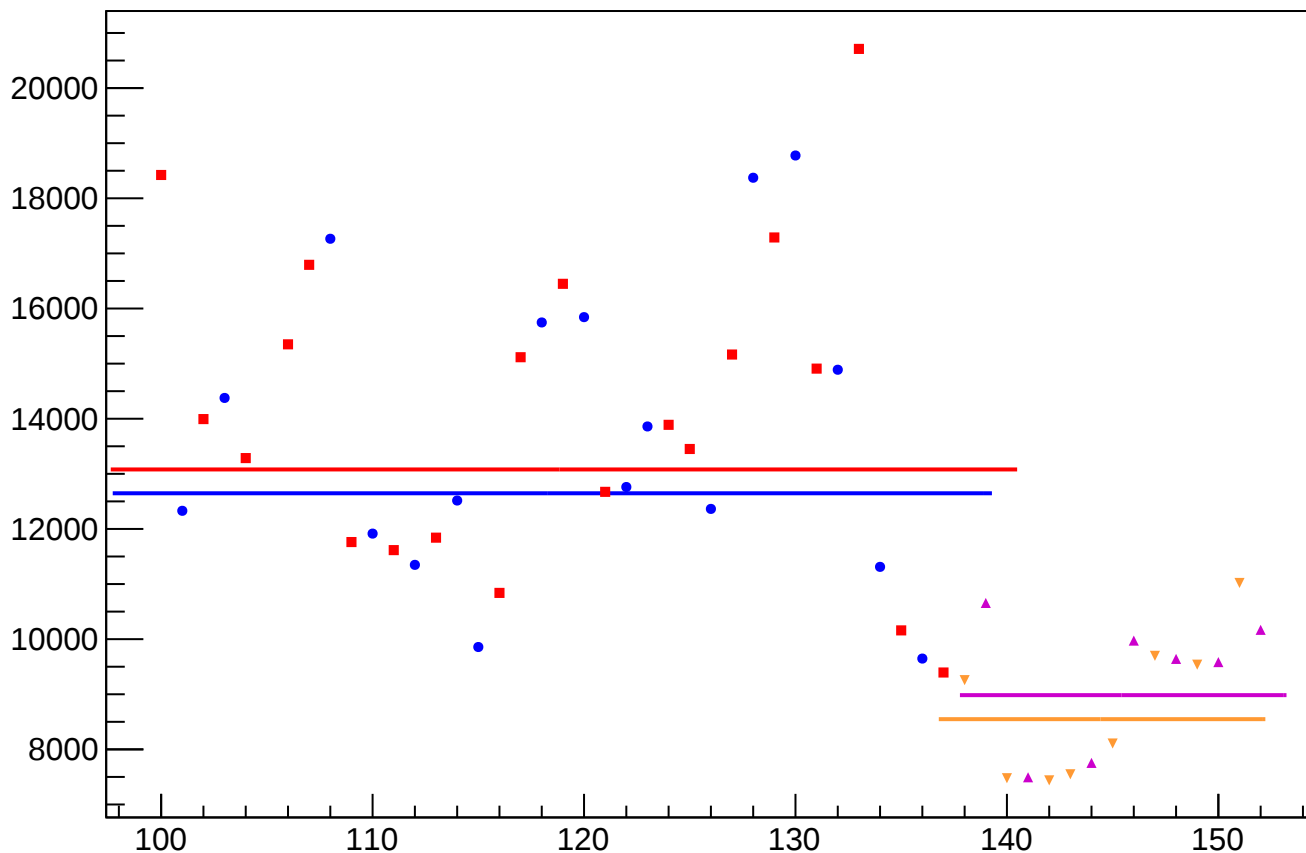
Left In: 0.295+/-3.788 χ^2/NDF : 7.6/6

-9.519+/-2.931 χ^2/NDF : 42.0/24

-2.967+/-2.102 χ^2/NDF : 76.2/51

3.976+/-3.017 χ^2/NDF : 23.9/26

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

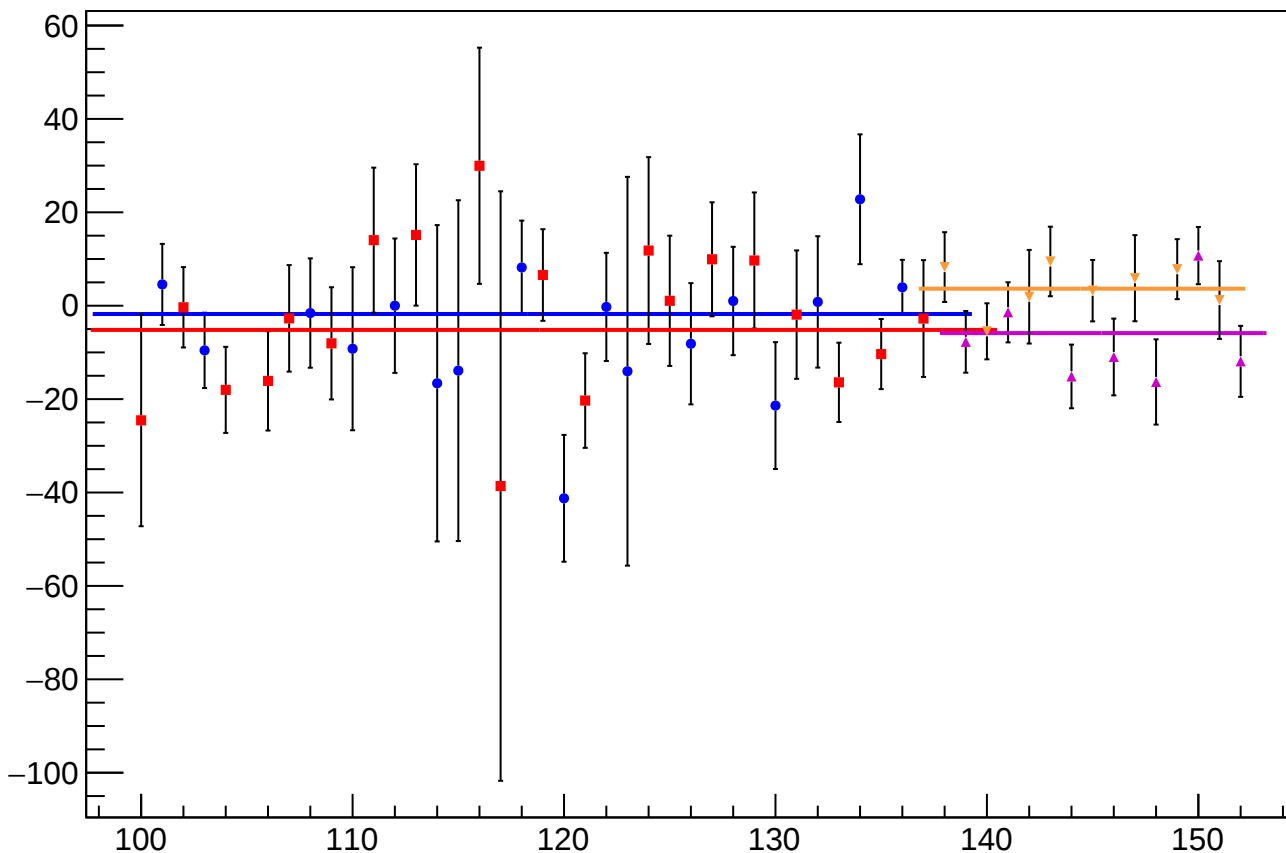
Left In: 8984.136 $\pm$ 2.678 χ^2/NDF : 197466.9/6

9938.211 $\pm$ 2.073 χ^2/NDF : 1637243.1/24

10201.540 $\pm$ 1.487 χ^2/NDF : 3220174.3/5

10480.579 $\pm$ 2.134 χ^2/NDF : 1549685.6/26

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -1.777 $\pm$ 2.806 χ^2 /NDF: 18.0/16

Left Out: 3.648 $\pm$ 2.606 χ^2 /NDF: 3.9/7

Right Out: -5.181 $\pm$ 2.640 χ^2 /NDF: 19.2/19

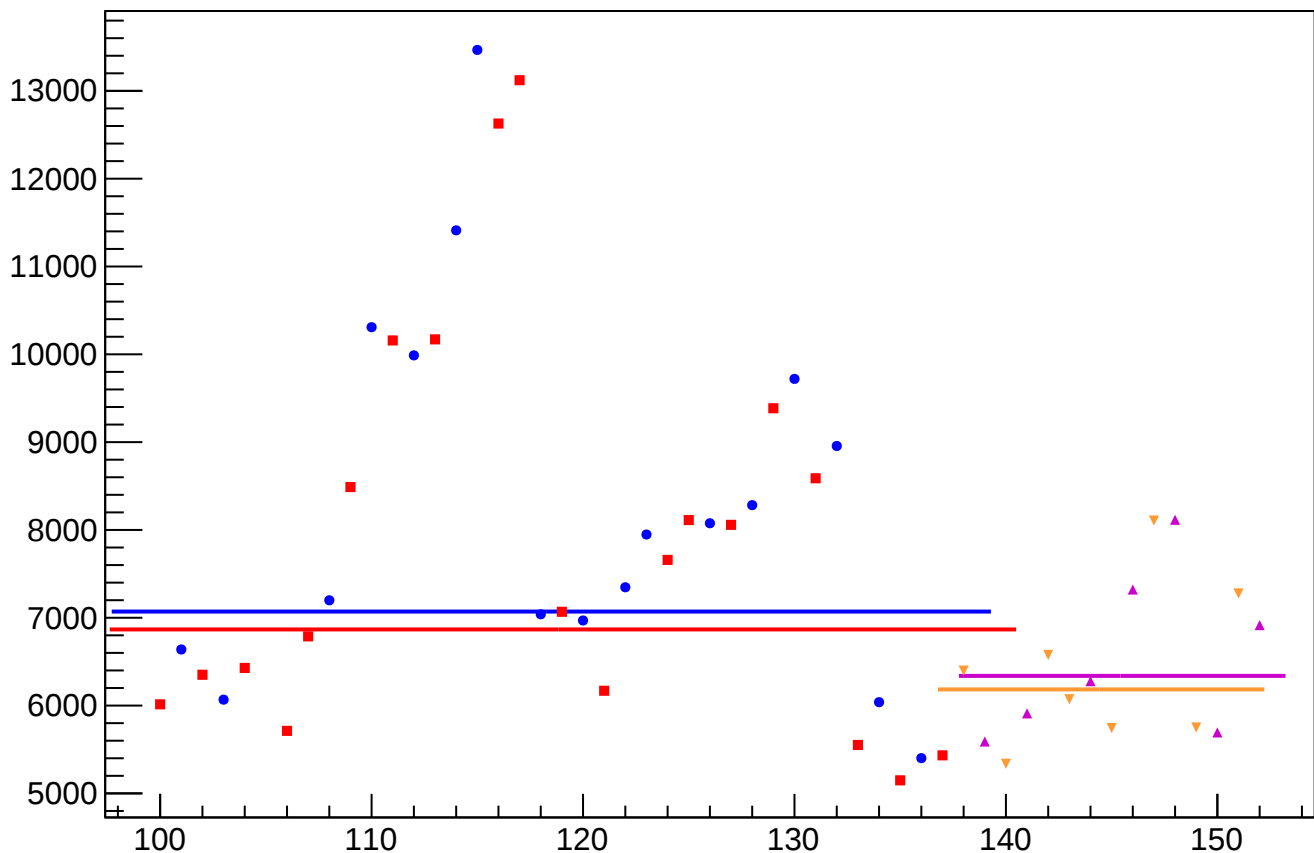
Left In: -5.863 $\pm$ 2.679 χ^2 /NDF: 12.1/6

1.135 $\pm$ 1.910 χ^2 /NDF: 23.9/24

-2.242 $\pm$ 1.340 χ^2 /NDF: 61.4/51

-5.516 $\pm$ 1.880 χ^2 /NDF: 31.3/26

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7070.672 $\pm$ 1.984 χ^2/NDF : 601692.5/16

Left Out: 6183.943 $\pm$ 1.843 χ^2/NDF : 184440.6/7

Right Out: 6867.094 $\pm$ 1.866 χ^2/NDF : 701892.5/19

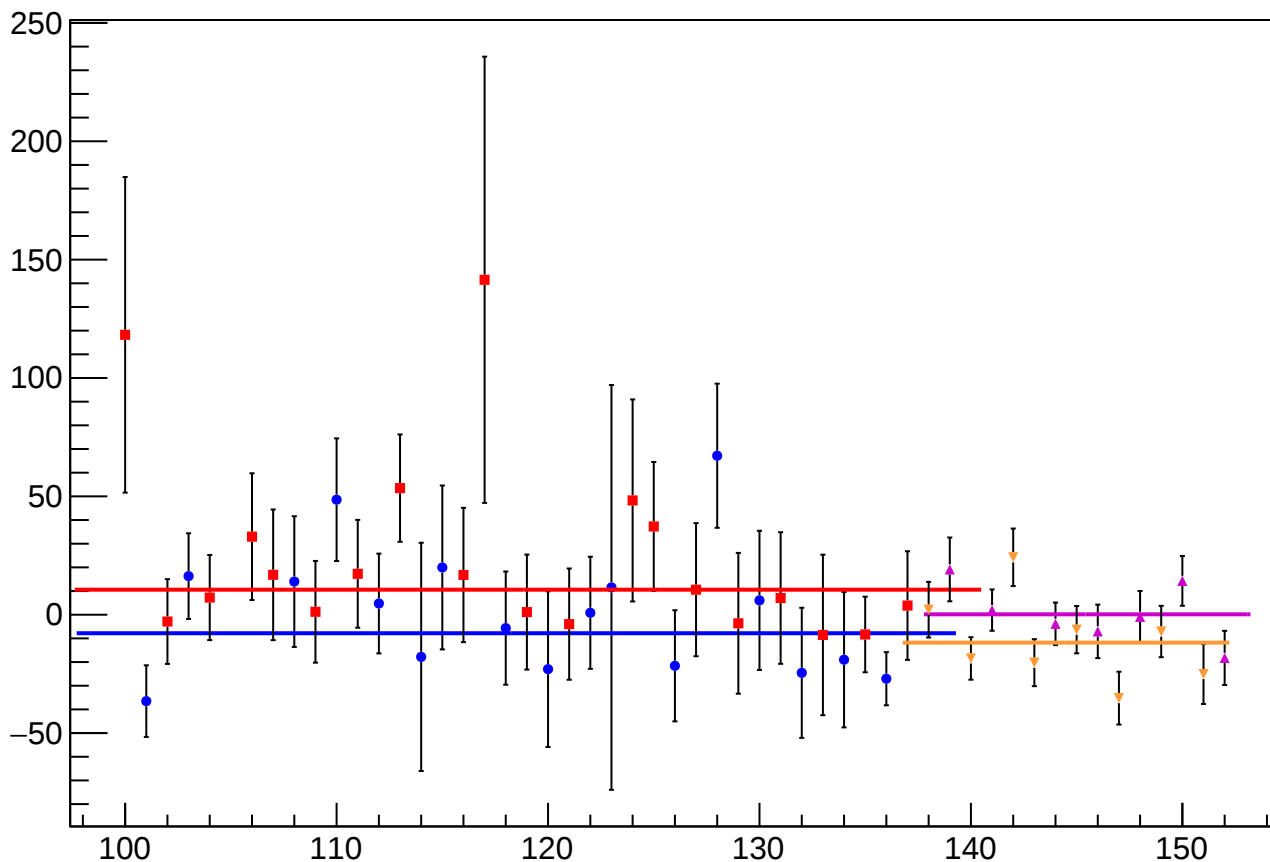
Left In: 6338.250 $\pm$ 1.894 χ^2/NDF : 172717.2/6

6594.652 $\pm$ 1.350 χ^2/NDF : 893352.1/24

6600.721 $\pm$ 0.947 χ^2/NDF : 1807545.5/51

6606.605 $\pm$ 1.330 χ^2/NDF : 914153.6/26

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

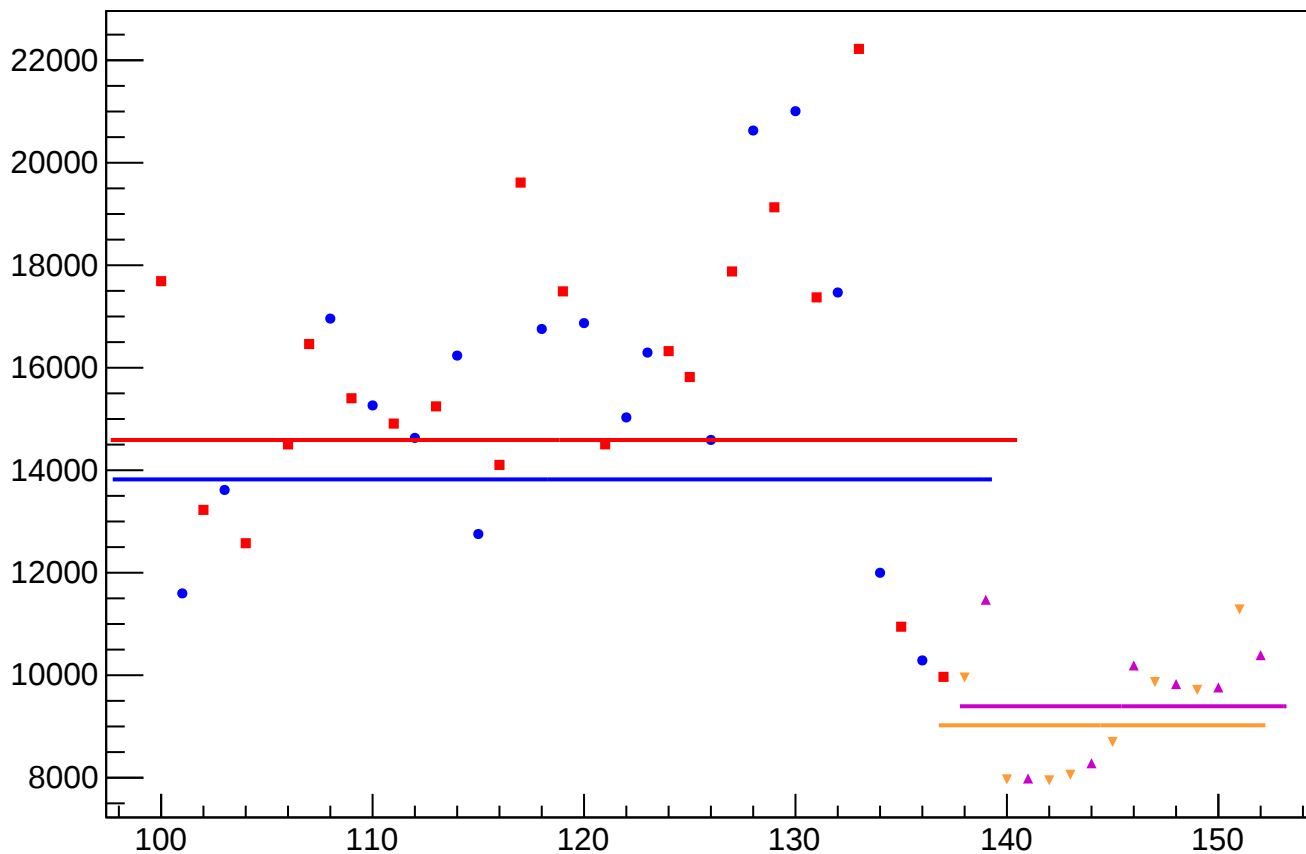
Left In: 0.166 ± 3.954 χ^2/NDF : 7.0/6

-10.520 ± 3.128 χ^2/NDF : 40.1/24

-3.642 ± 2.244 χ^2/NDF : 73.6/51

3.661 ± 3.223 χ^2/NDF : 23.5/26

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13821.195+/-3.900 χ^2/NDF : 602672.4/16

Left Out: 9023.293+/-2.685 χ^2/NDF :160143.3/7

Right Out: 14589.989+/-3.933 χ^2/NDF : 478169.1/19

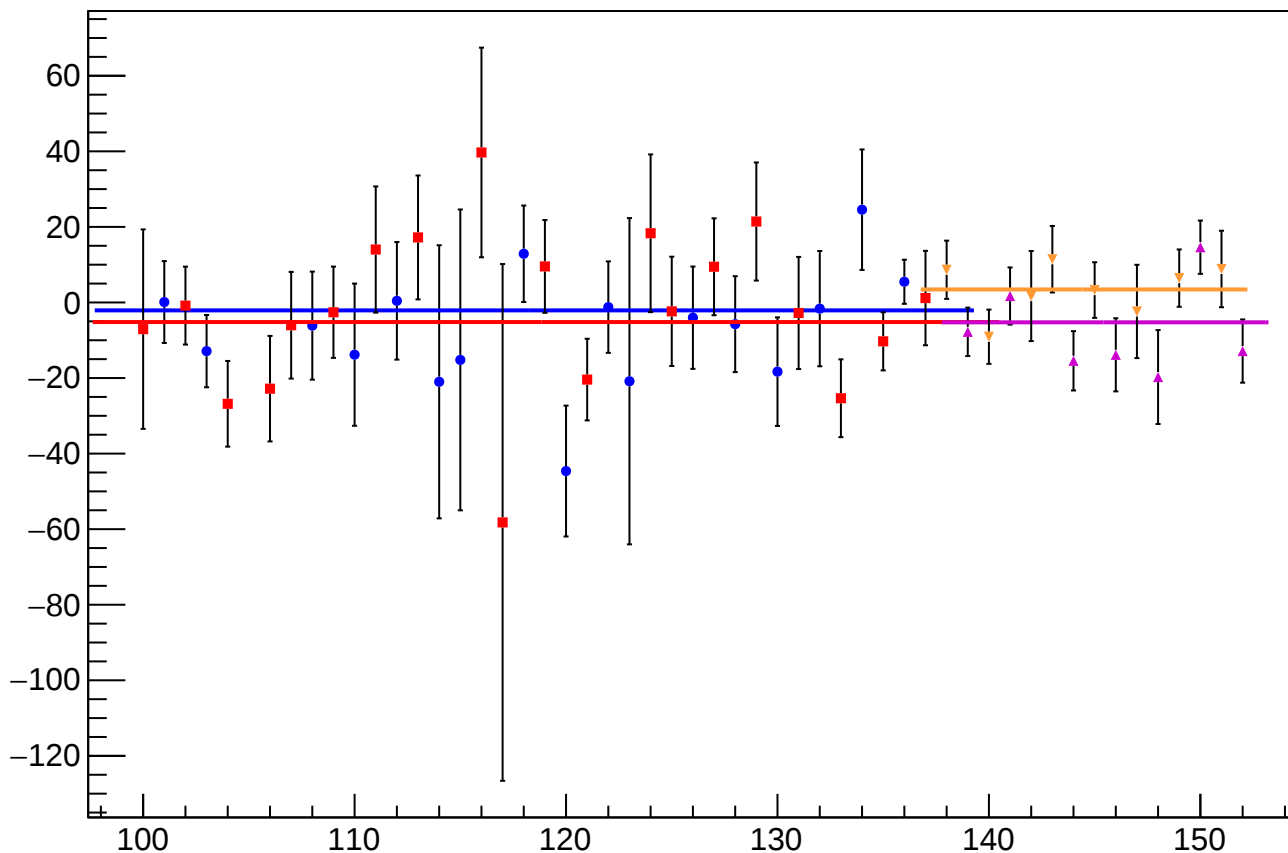
Left In: 9394.212+/-2.796 χ^2/NDF :161237.1/6

10565.886+/-2.212 χ^2/NDF : 1789562.9/24

10843.825+/-1.587 χ^2/NDF : 3620990.6/5

11138.943+/-2.279 χ^2/NDF : 1798861.4/26

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

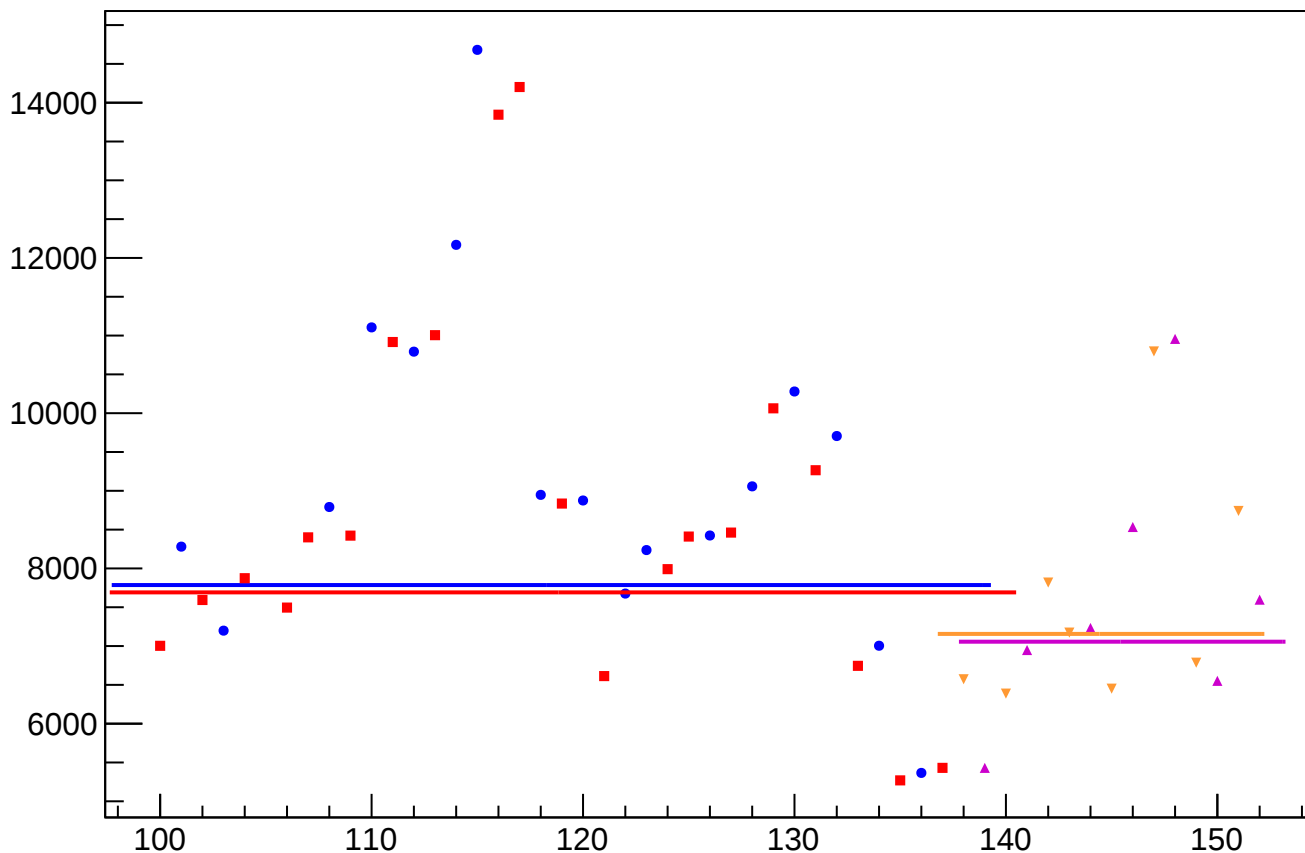
Left In: -5.258 $\pm$ 3.021 χ^2/NDF : 13.6/6

0.733 $\pm$ 2.172 χ^2/NDF : 22.3/24

-2.324 $\pm$ 1.515 χ^2/NDF : 65.1/51

-5.220 $\pm$ 2.114 χ^2/NDF : 39.0/26

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7785.931+/-2.197 χ^2/NDF : 738101.9/16

Left Out: 7156.411+/-2.149 χ^2/NDF : 286431.4/7

Right Out: 7691.398+/-2.093 χ^2/NDF : 686898.9/19

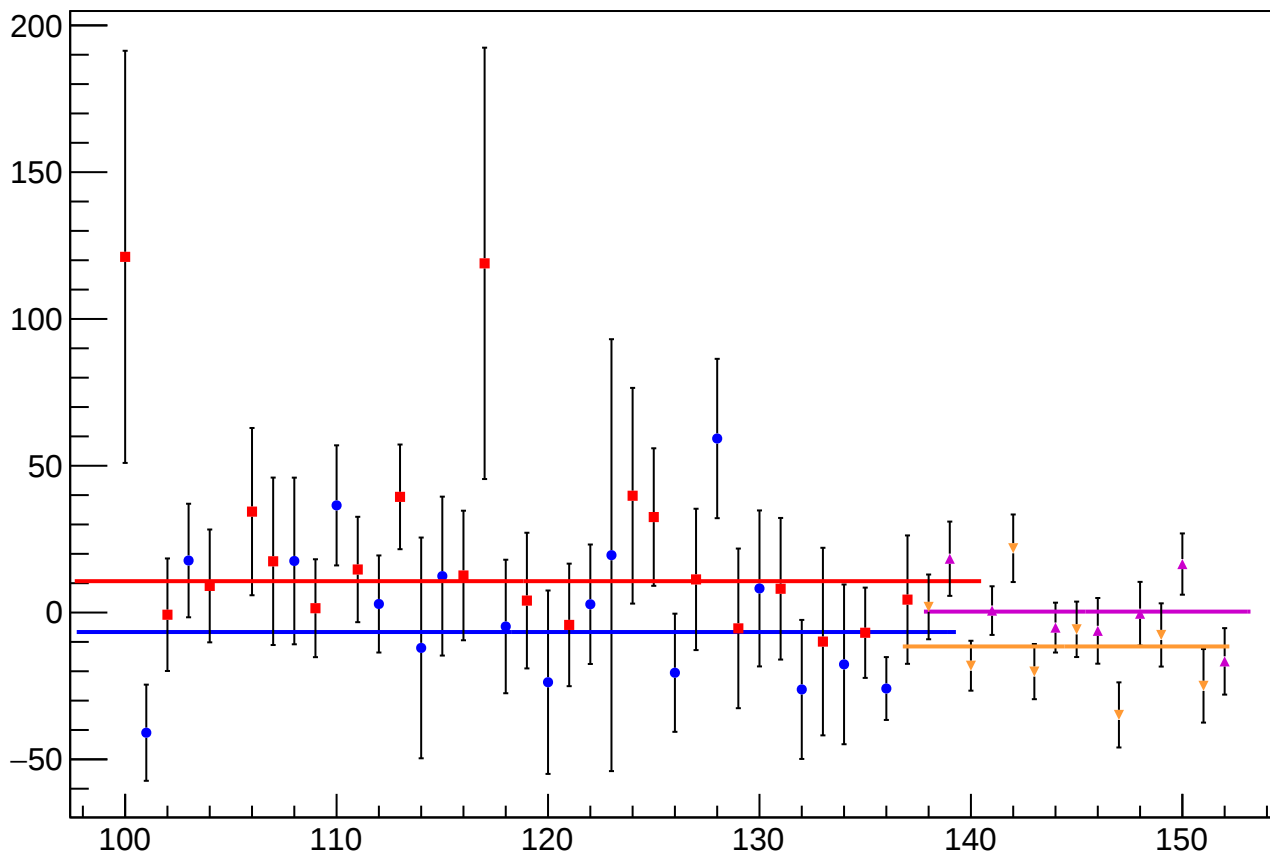
Left In: 7056.089+/-2.136 χ^2/NDF : 392206.8/6

7464.222+/-1.536 χ^2/NDF : 1066506.0/24

7421.101+/-1.071 χ^2/NDF : 2192285.2/51

7380.261+/-1.495 χ^2/NDF : 1124244.6/26

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

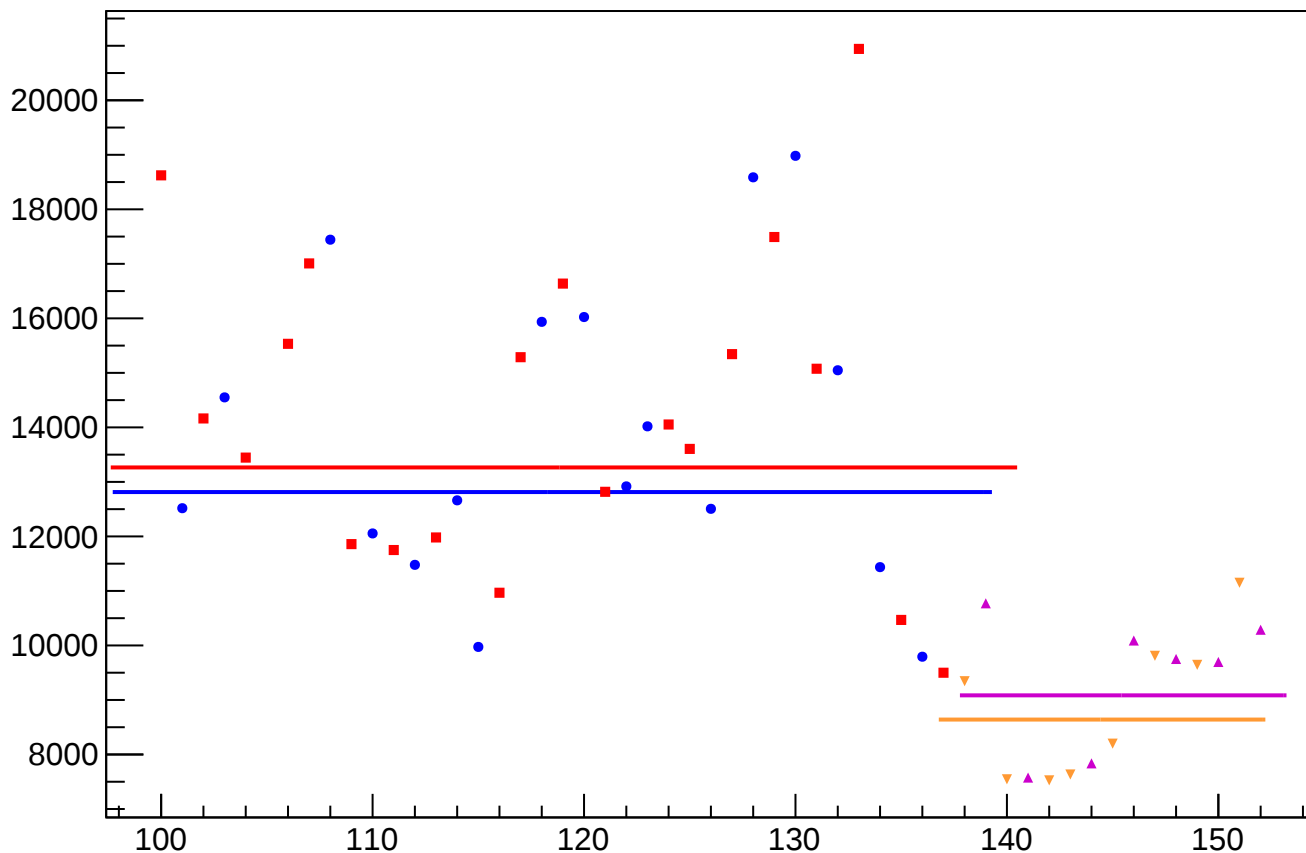
Left In: 0.320 ± 3.830 χ^2/NDF : 7.4/6

-9.890 ± 2.966 χ^2/NDF : 41.5/24

-3.104 ± 2.128 χ^2/NDF : 75.3/51

4.094 ± 3.055 χ^2/NDF : 23.1/26

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

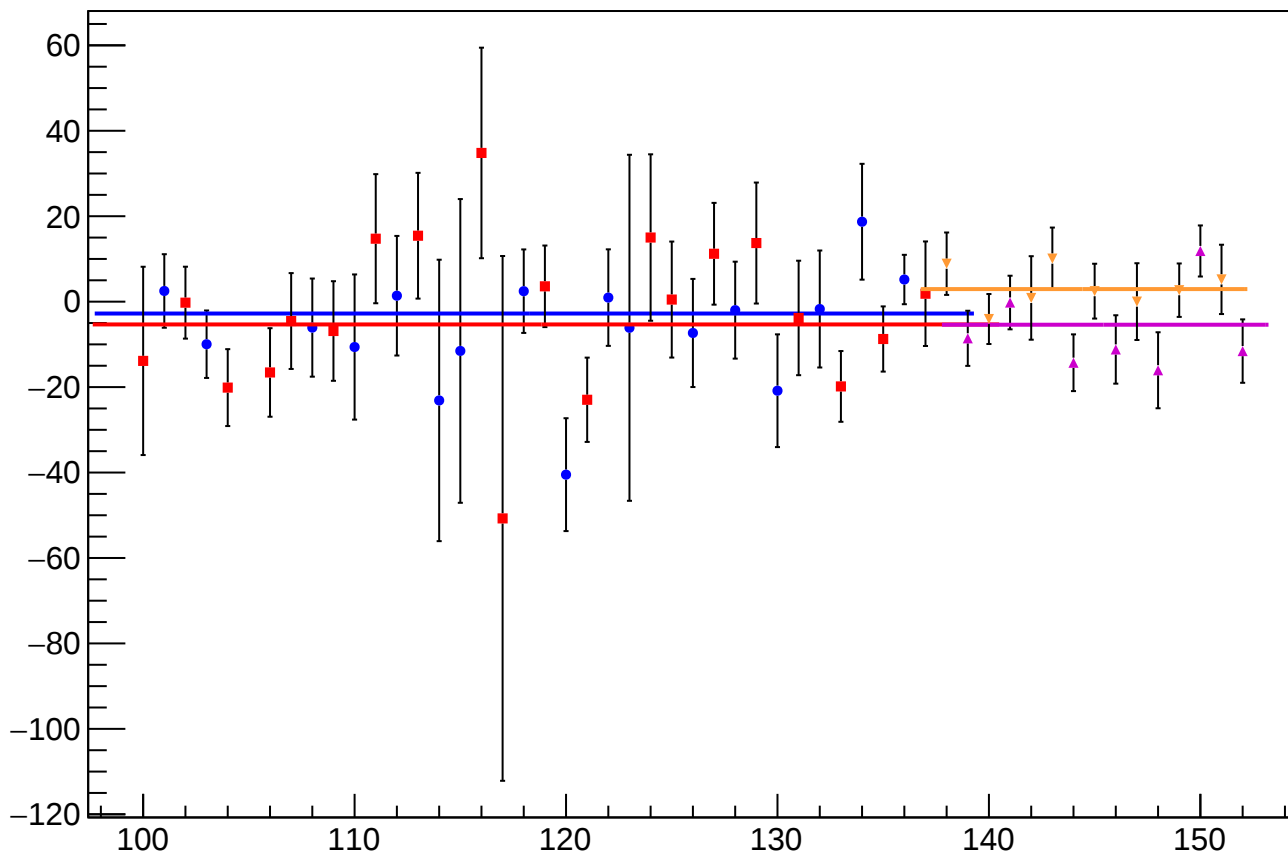
Left In: 9084.746 $\pm$ 2.708 χ^2 /NDF: 198320.1/6

10050.775 $\pm$ 2.097 χ^2 /NDF: 1641695.4/24

10320.428 $\pm$ 1.505 χ^2 /NDF: 3227165.5/5

10606.513 $\pm$ 2.160 χ^2 /NDF: 1551390.1/26

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

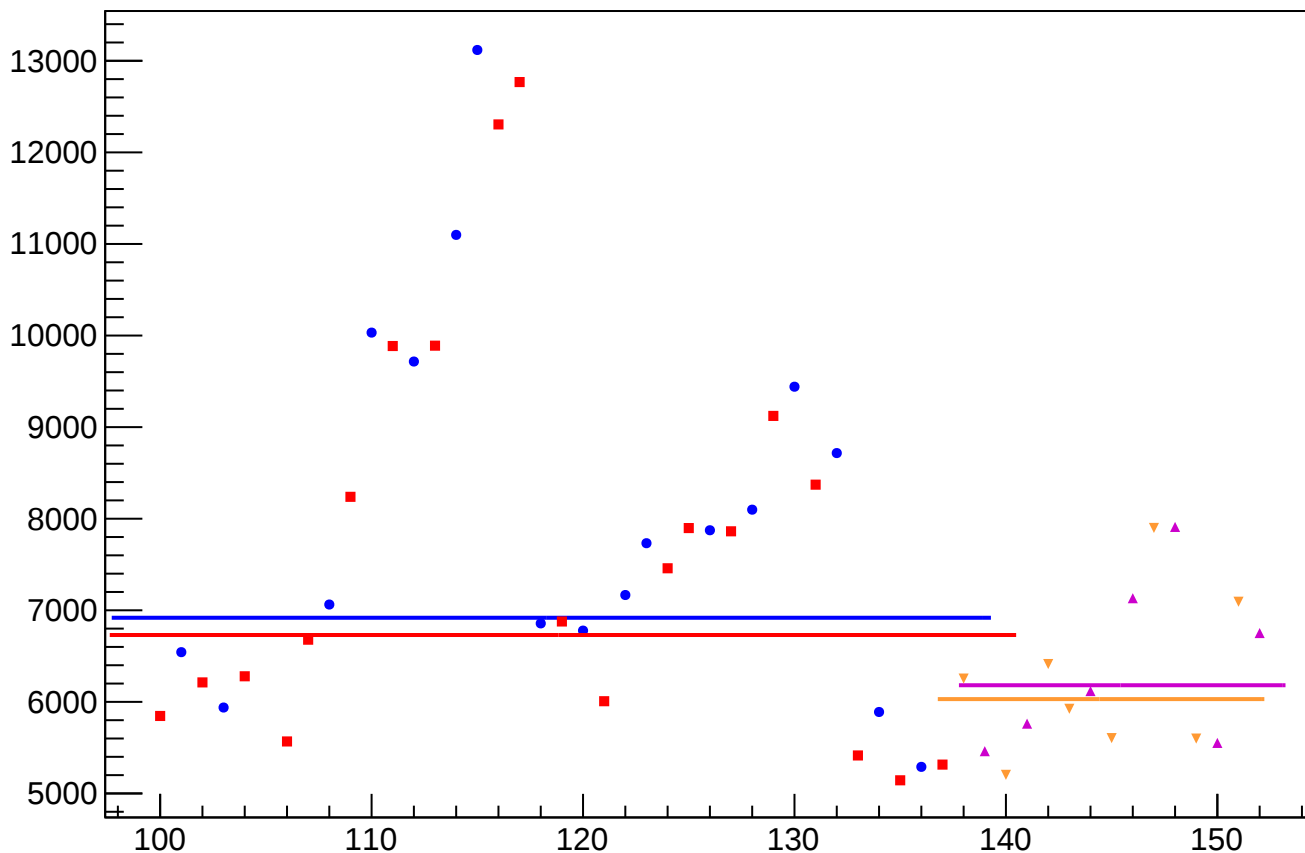
Left In: -5.399 ± 2.613 χ^2/NDF : 13.7/6

0.305 ± 1.866 χ^2/NDF : 22.6/24

-2.572 ± 1.309 χ^2/NDF : 65.1/51

-5.366 ± 1.838 χ^2/NDF : 37.8/26

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6918.554 ± 1.943 $\chi^2/\text{NDF}: 587976.6/16$

Left Out: 6030.230 ± 1.797 $\chi^2/\text{NDF}: 184529.9/7$

Right Out: 6730.137 ± 1.830 $\chi^2/\text{NDF}: 673193.1/19$

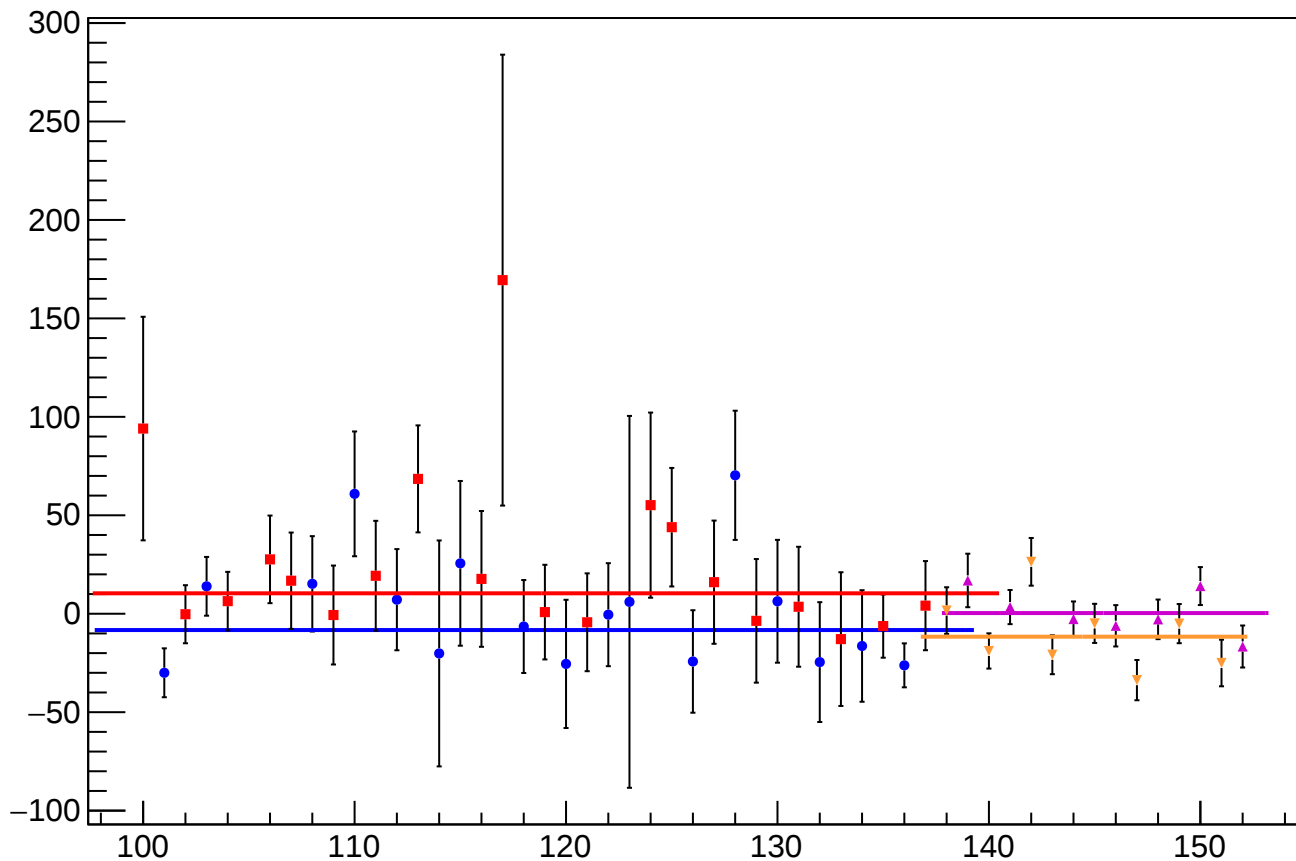
Left In: 6181.639 ± 1.848 $\chi^2/\text{NDF}: 171723.1/6$

6439.928 ± 1.319 $\chi^2/\text{NDF}: 885184.3/24$

6449.390 ± 0.926 $\chi^2/\text{NDF}: 1774702.4/51$

6458.579 ± 1.300 $\chi^2/\text{NDF}: 889416.8/26$

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

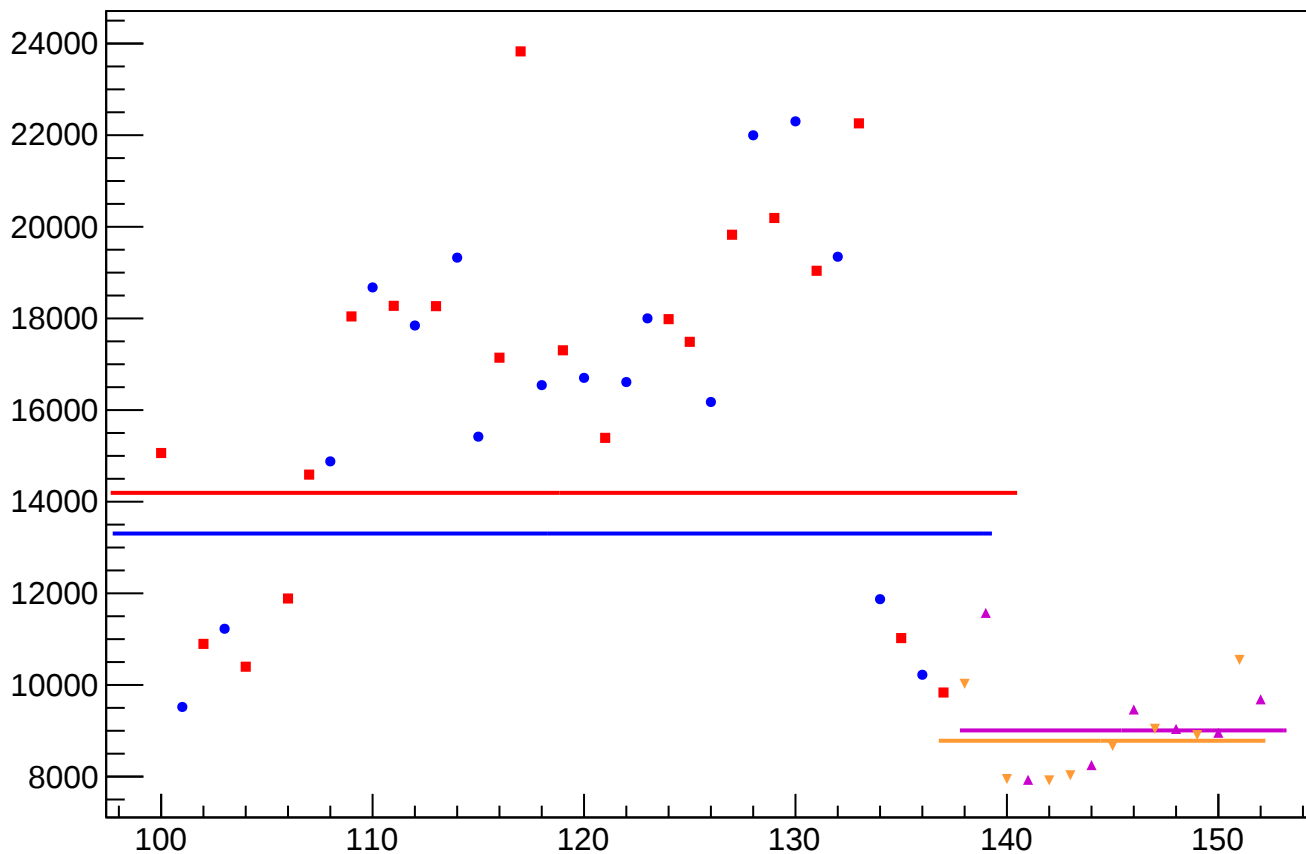
Left In: 0.345 $\pm$ 3.787 χ^2/NDF : 6.8/6

-10.590 $\pm$ 3.046 χ^2/NDF : 41.5/24

-3.683 $\pm$ 2.180 χ^2/NDF : 75.8/51

3.566 $\pm$ 3.120 χ^2/NDF : 23.8/26

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

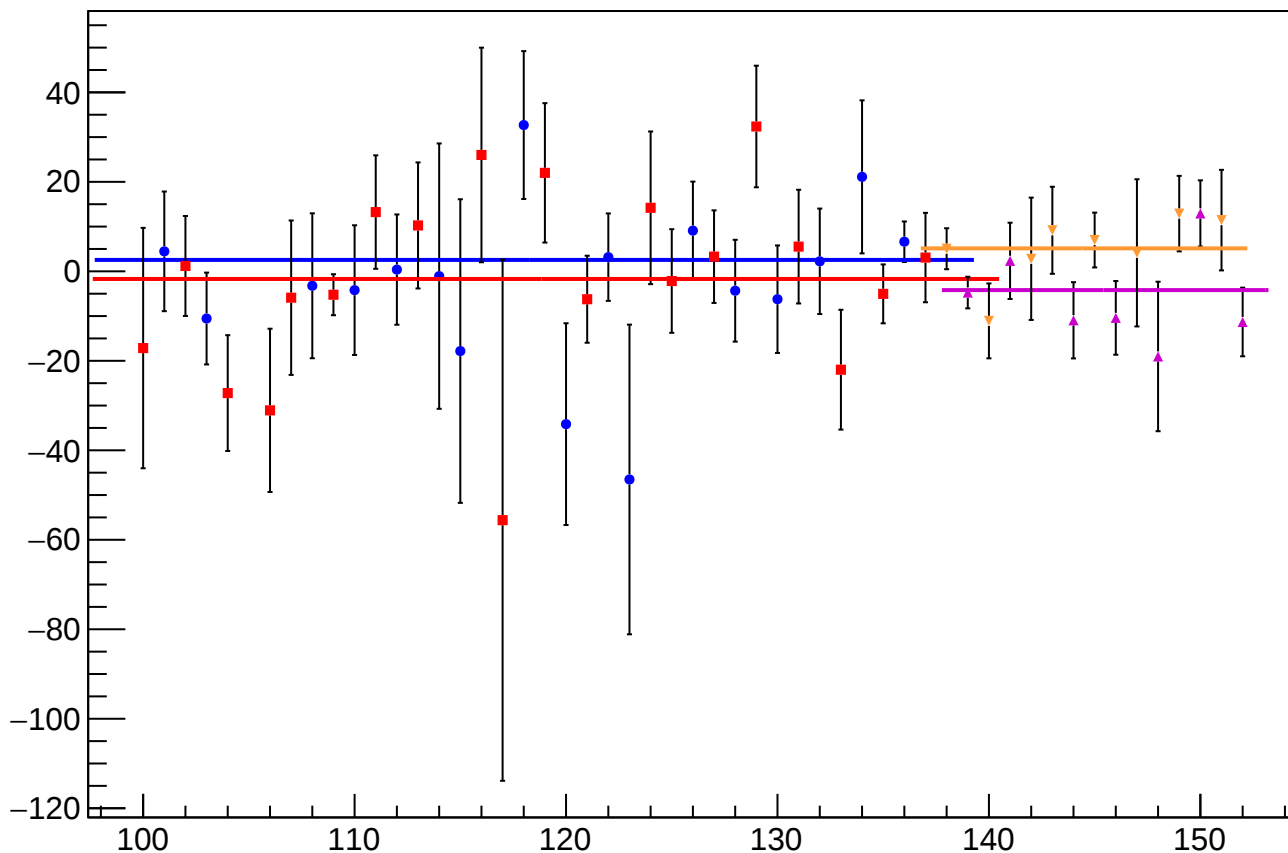
Left In: 9007.740+/-2.678 χ^2/NDF :128447.5/6

10216.137+/-2.154 χ^2/NDF : 2106459.6/24

10438.907+/-1.541 χ^2/NDF : 4405565.9/5

10672.668+/-2.206 χ^2/NDF : 2277185.1/26

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.551+/-2.757 χ^2/NDF : 13.6/16

Left Out: 5.134+/-2.772 χ^2/NDF : 5.2/7

Right Out: -1.708+/-2.440 χ^2/NDF : 24.9/19

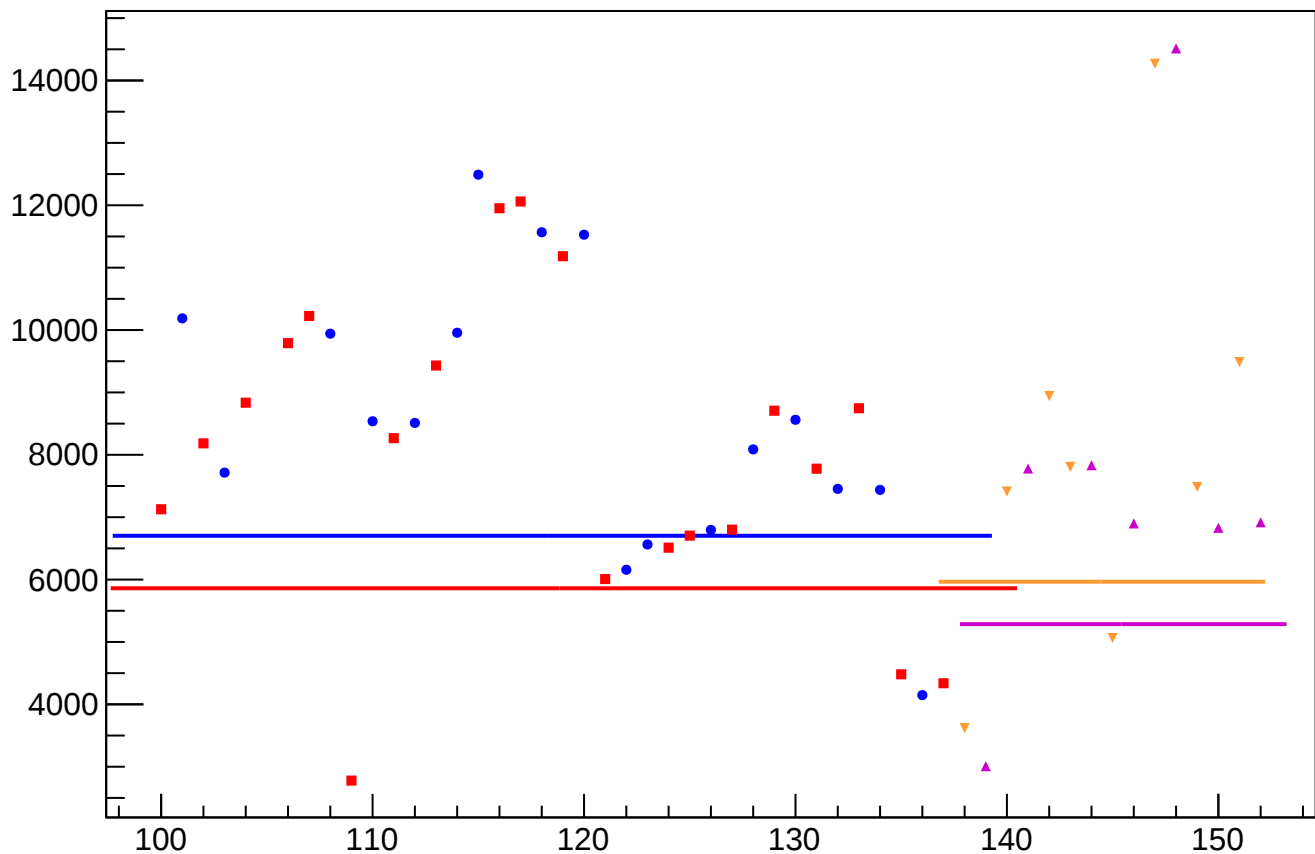
Left In: -4.194+/-2.491 χ^2/NDF : 8.8/6

3.836+/-1.955 χ^2/NDF : 19.3/24

0.070+/-1.301 χ^2/NDF : 60.1/51

-2.926+/-1.743 χ^2/NDF : 34.2/26

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

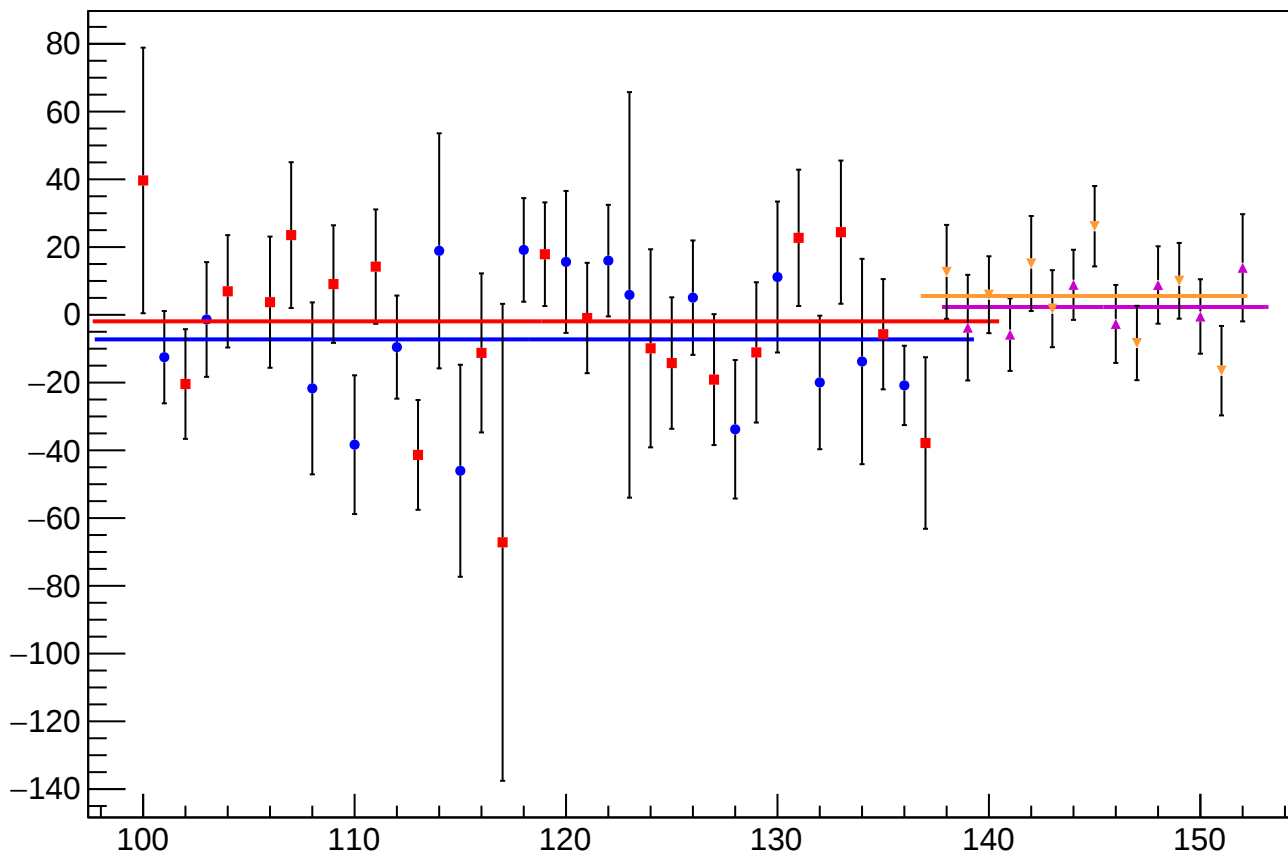
Left In: 5285.803+/-1.761 χ^2/NDF : 2044851.1/6

6336.078+/-1.382 χ^2/NDF : 3026296.2/24

5914.417+/-0.920 χ^2/NDF : 7593755.9/51

5579.055+/-1.233 χ^2/NDF : 4400344.0/26

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

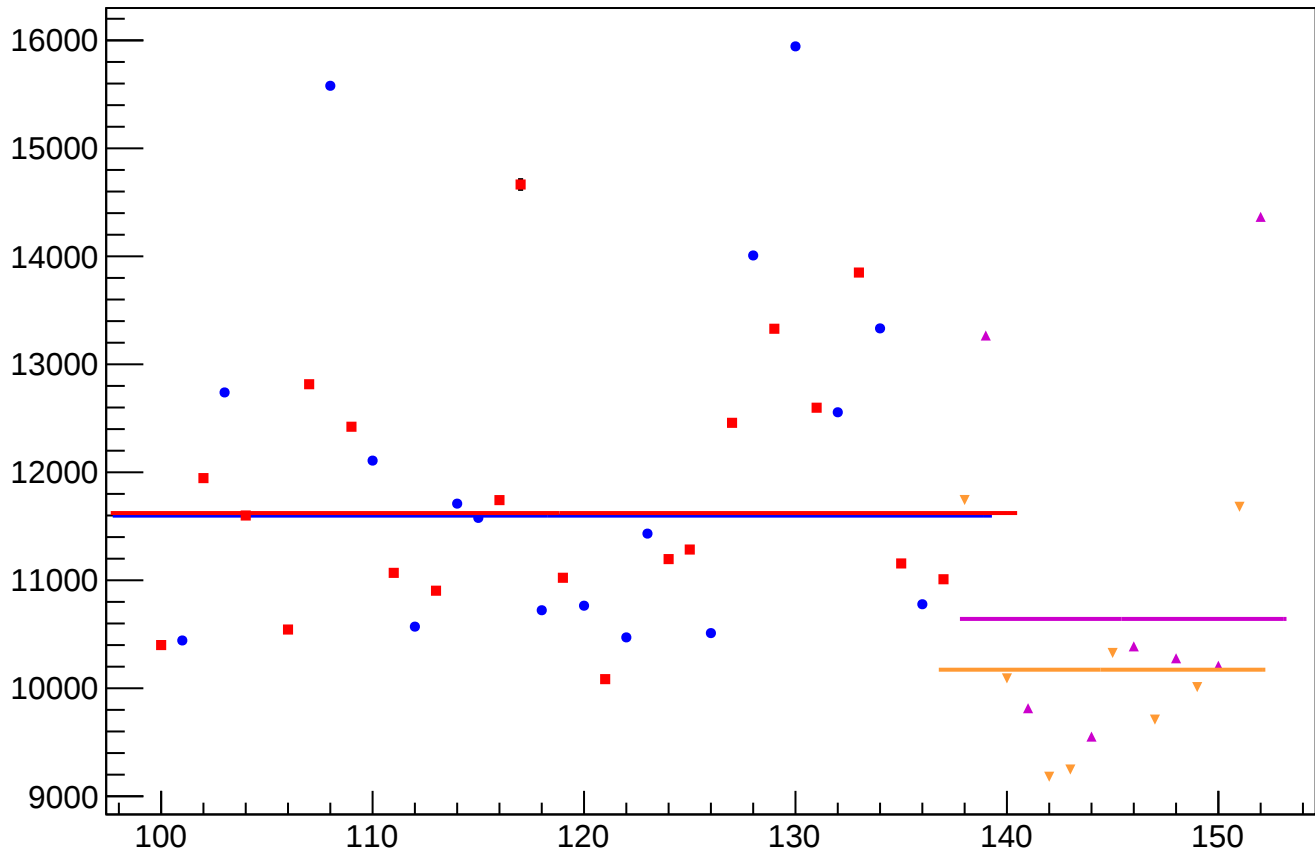
Left In: 2.318 $\pm$ 4.489 χ^2/NDF : 2.2/6

-0.434 $\pm$ 3.112 χ^2/NDF : 28.6/24

-0.149 $\pm$ 2.206 χ^2/NDF : 52.0/51

0.138 $\pm$ 3.129 χ^2/NDF : 23.4/26

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11598.751 $\pm$ 3.215 χ^2/NDF : 235423.8/16

Left Out: 10171.987 $\pm$ 3.017 χ^2/NDF : 79411.7/7

Right Out: 11622.681 $\pm$ 3.086 χ^2/NDF : 98197.0/19

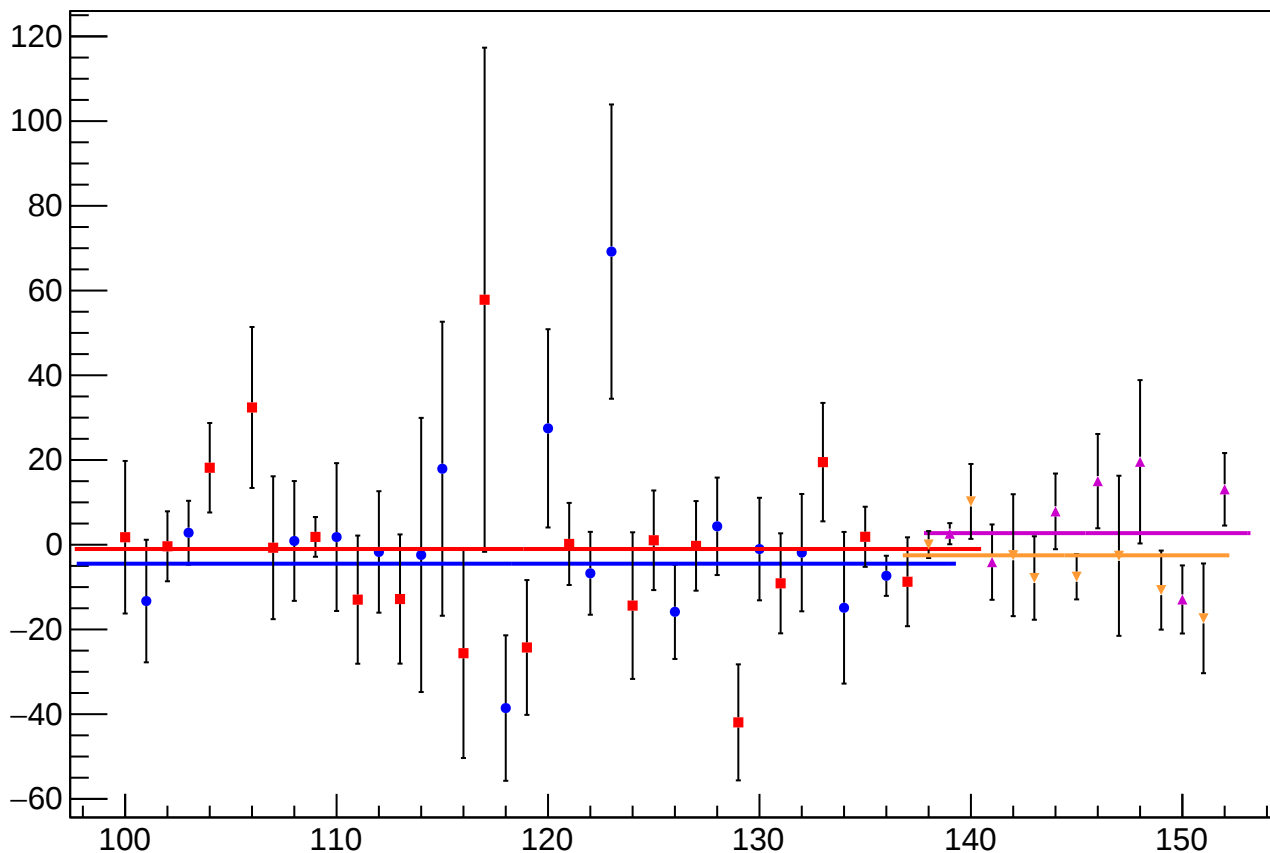
Left In: 10642.227 $\pm$ 3.174 χ^2/NDF : 207547.4/6

10840.112 $\pm$ 2.200 χ^2/NDF : 419543.9/24

10992.298 $\pm$ 1.560 χ^2/NDF : 783956.2/51

11146.230 $\pm$ 2.213 χ^2/NDF : 354788.3/26

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -4.476 $\pm$ 2.782 χ^2/NDF : 14.8/16

Left Out: -2.500 $\pm$ 2.343 χ^2/NDF : 6.0/7

Right Out: -1.007 $\pm$ 2.427 χ^2/NDF : 25.0/19

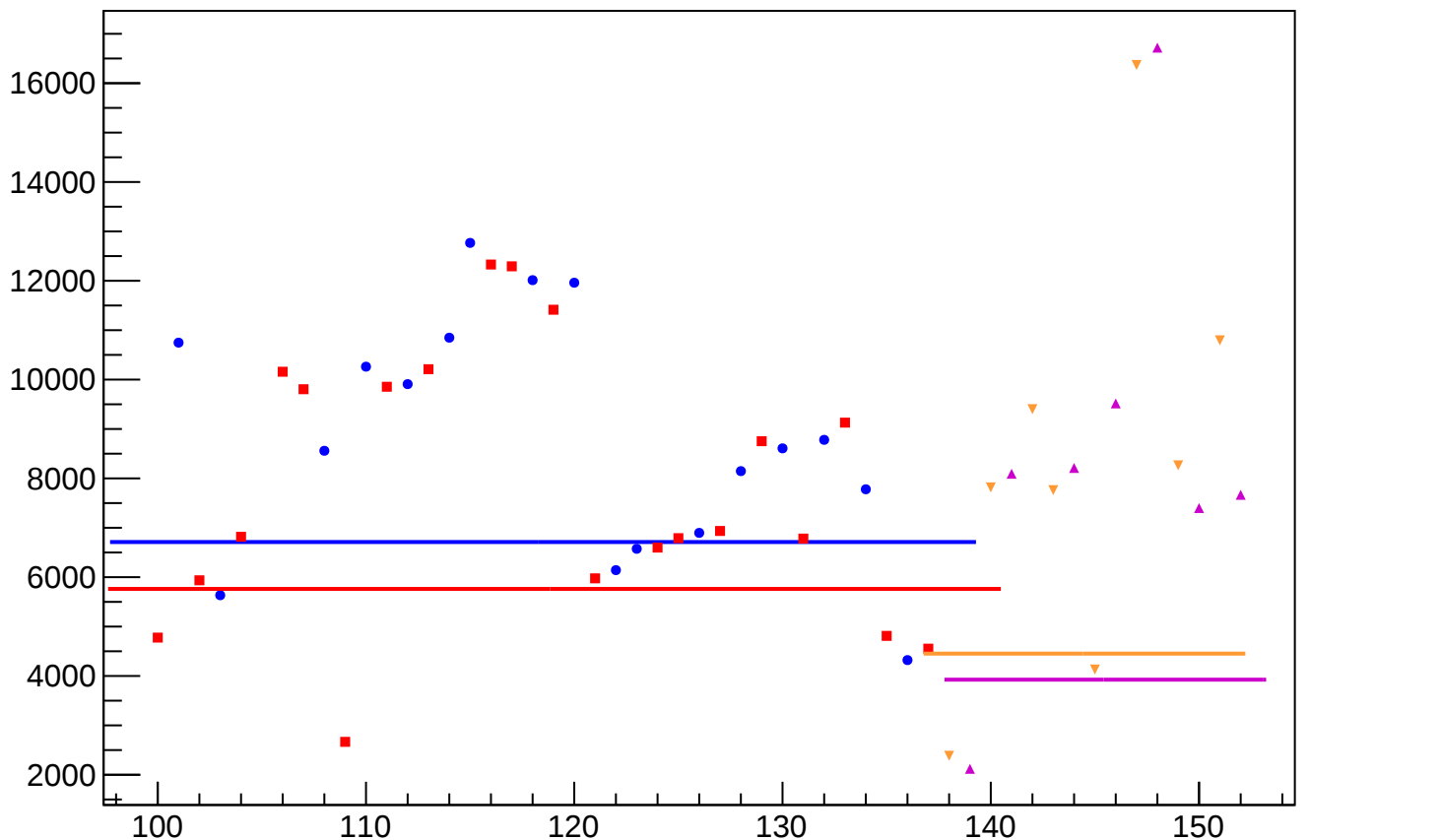
Left In: 2.738 $\pm$ 2.102 χ^2/NDF : 8.2/6

-3.320 $\pm$ 1.792 χ^2/NDF : 21.1/24

-0.827 $\pm$ 1.189 χ^2/NDF : 59.1/51

1.132 $\pm$ 1.589 χ^2/NDF : 34.5/26

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

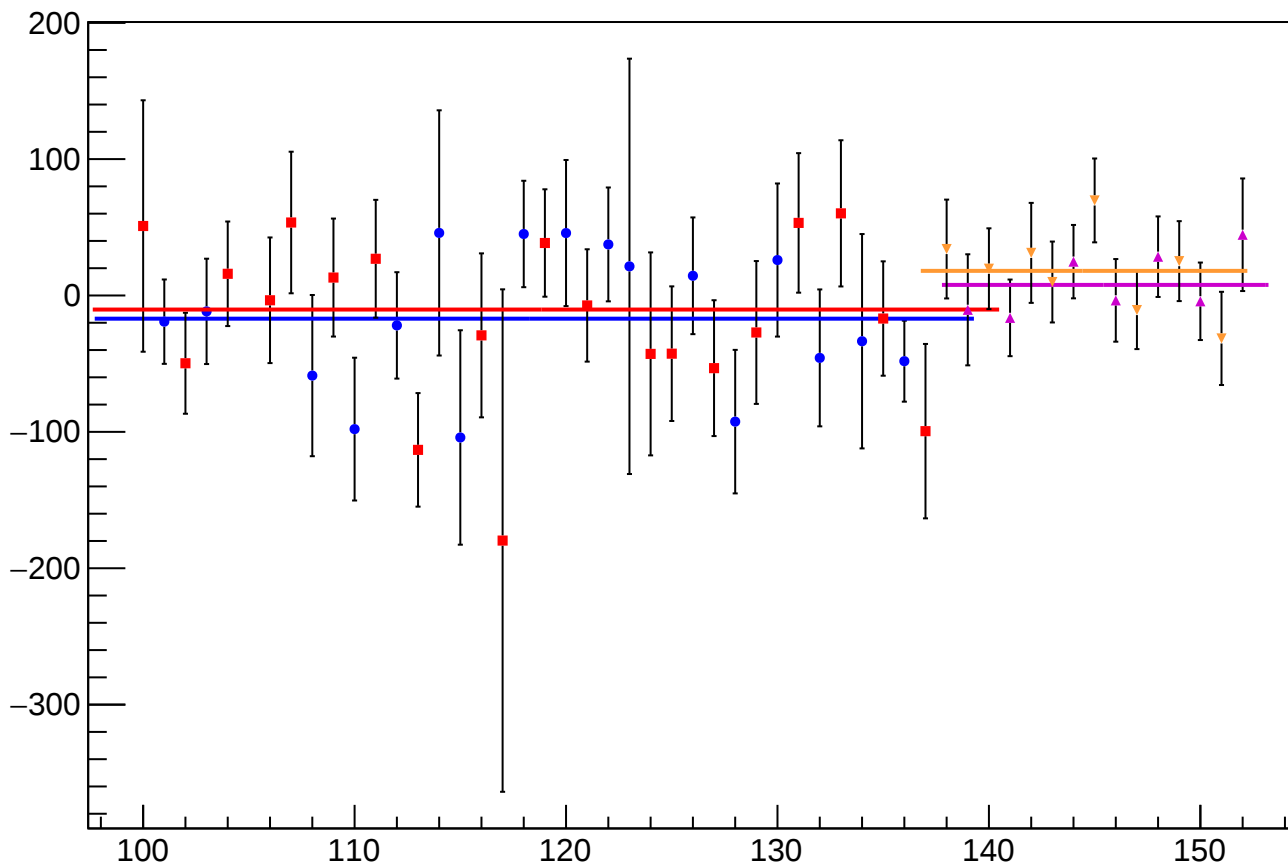
Left In: 3925.367 +/- 1.487 χ^2/NDF : 4091476.9/6

5390.203 +/- 1.267 χ^2/NDF : 5433071.7/24

5011.041 +/- 0.841 χ^2/NDF : 12528289.7/5

4712.948 +/- 1.124 χ^2/NDF : 6935324.3/26

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -17.010 $\pm$ 11.287 χ^2/NDF : 15.0/16

Left Out: 18.052 $\pm$ 11.124 χ^2/NDF : 6.4/7

Right Out: -10.311 $\pm$ 10.872 χ^2/NDF : 19.9/19

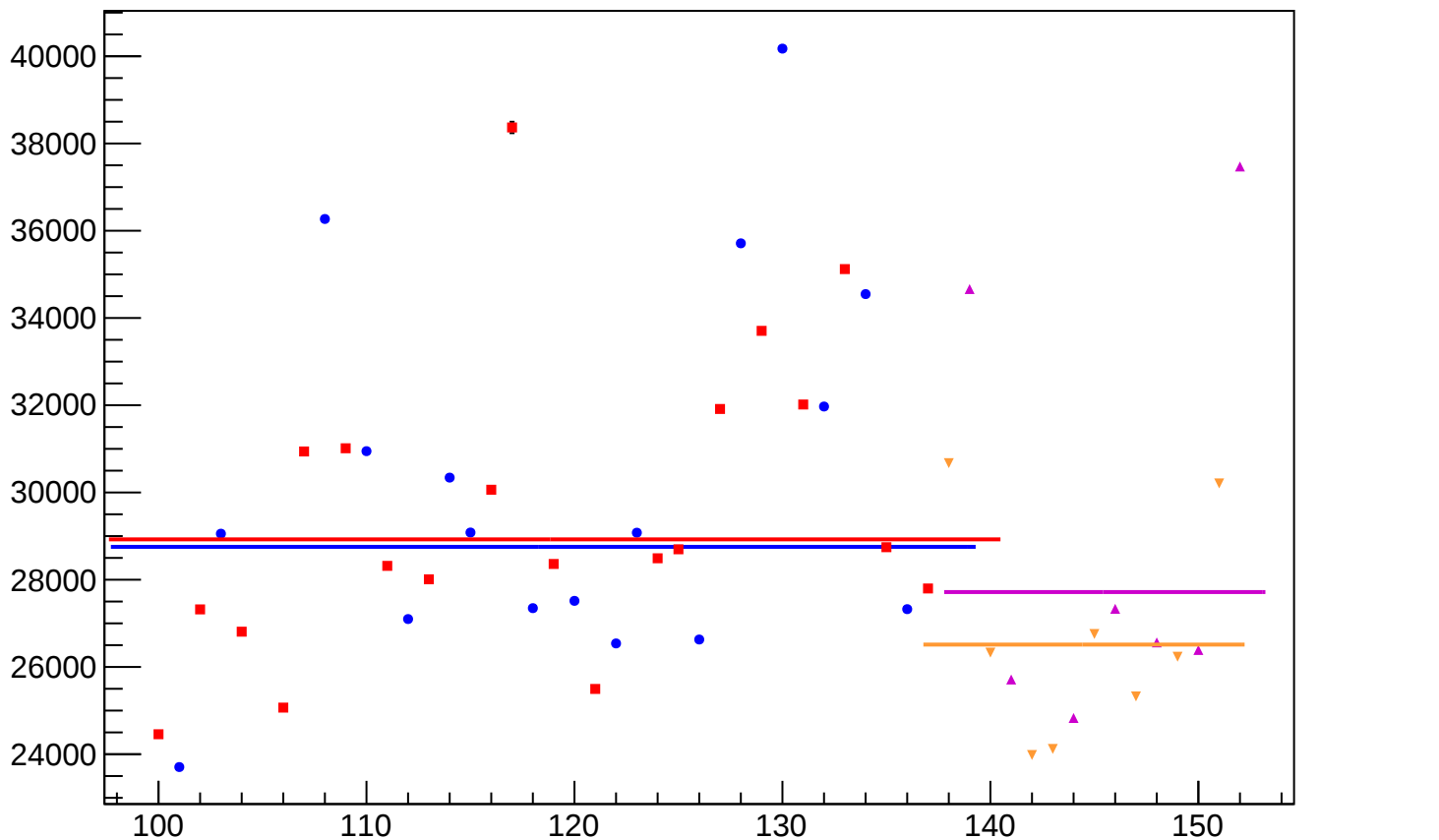
Left In: 7.754 $\pm$ 11.693 χ^2/NDF : 2.9/6

0.776 $\pm$ 7.923 χ^2/NDF : 26.3/24

-0.573 $\pm$ 5.616 χ^2/NDF : 50.5/51

-1.935 $\pm$ 7.962 χ^2/NDF : 24.1/26

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28753.787 ± 7.981 χ^2/NDF : 249215.1/16

Left Out: 26513.136 ± 7.866 χ^2/NDF : 76099.0/7

Right Out: 28925.160 ± 7.687 χ^2/NDF : 116514.7/19

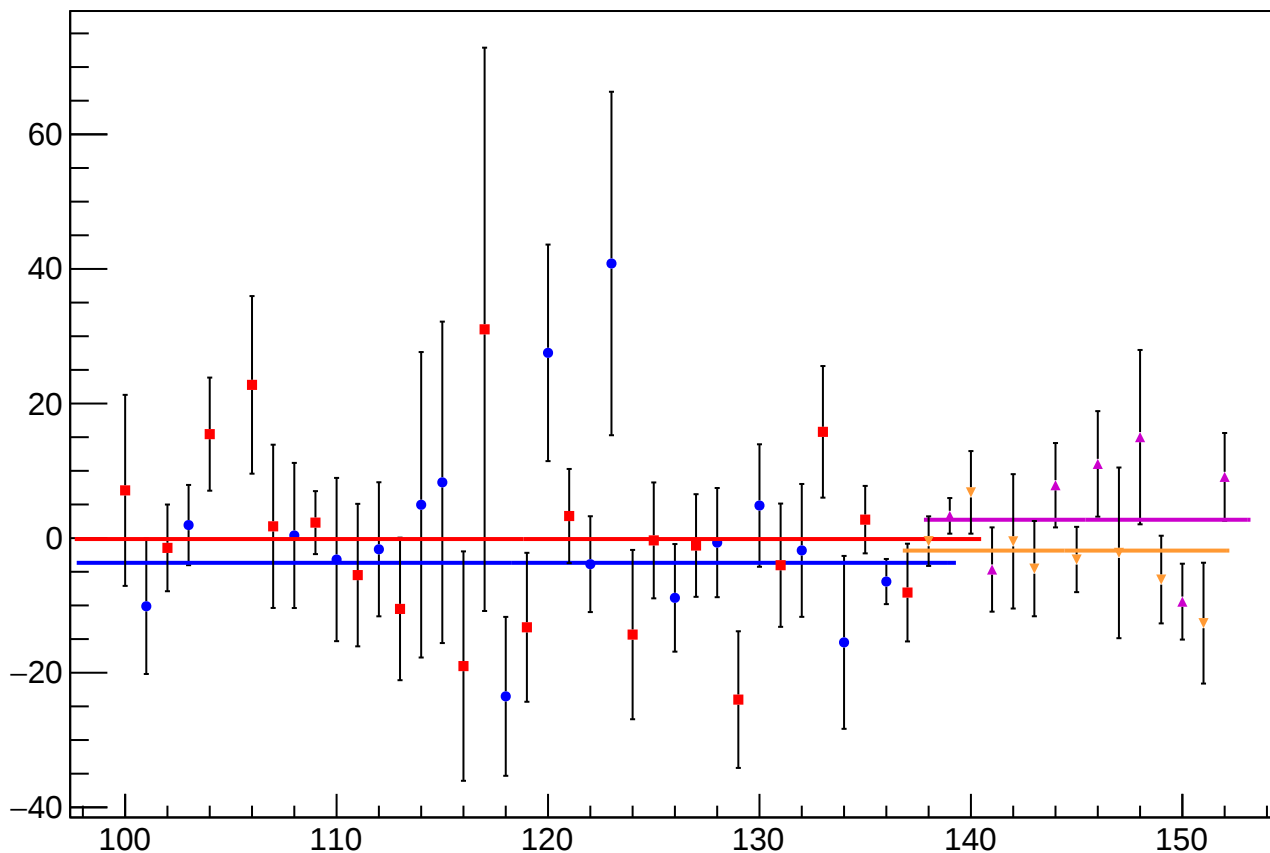
Left In: 27717.352 ± 8.268 χ^2/NDF : 210829.3/6

27617.186 ± 5.602 χ^2/NDF : 365294.6/24

27989.339 ± 3.971 χ^2/NDF : 712952.3/51

28365.173 ± 5.630 χ^2/NDF : 338788.9/26

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

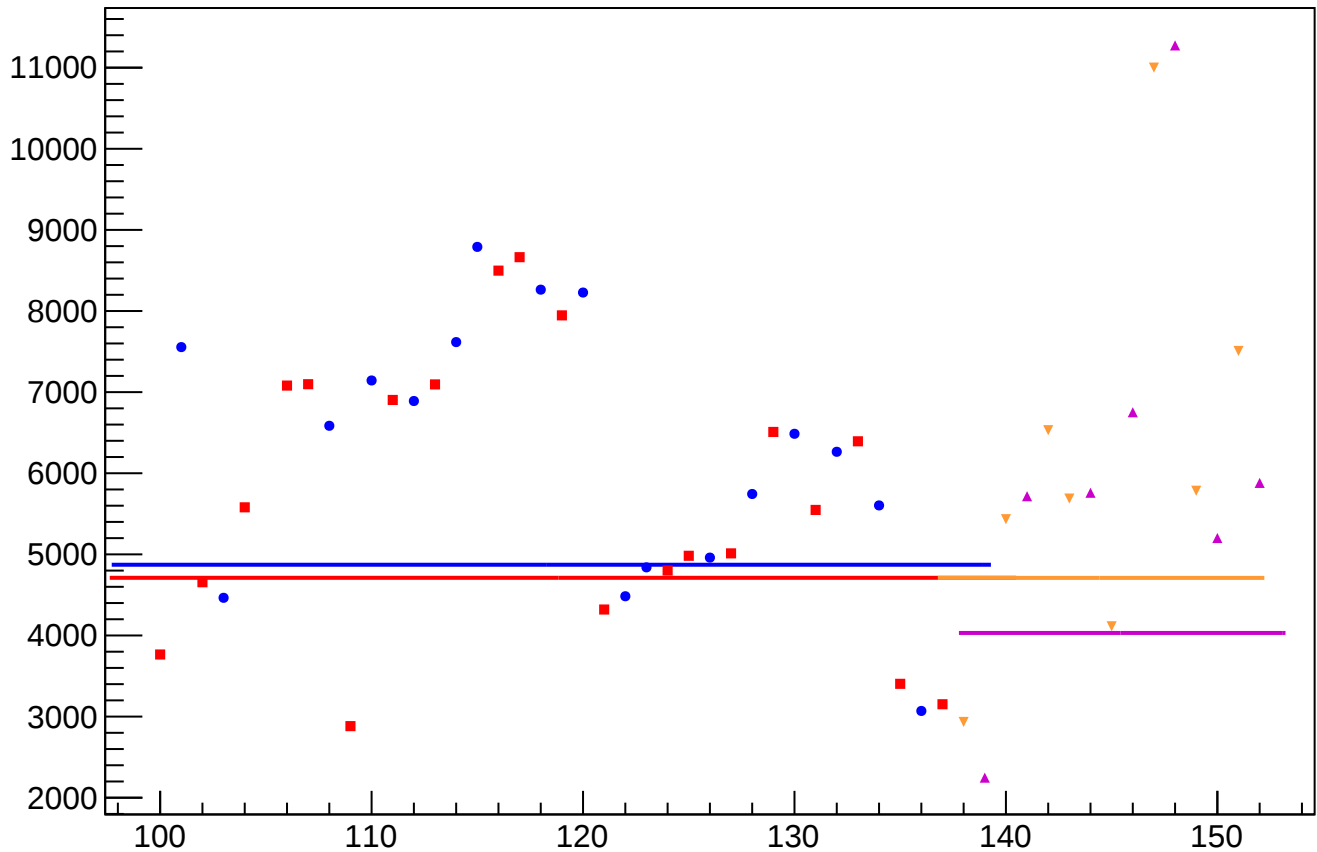
Left In: 2.731 ± 1.921 χ^2/NDF : 9.7/6

-2.824 ± 1.470 χ^2/NDF : 19.1/24

-0.596 ± 0.993 χ^2/NDF : 57.1/51

1.275 ± 1.348 χ^2/NDF : 33.7/26

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4872.105+/-1.421 χ^2/NDF : 1405253.2/16

Left Out: 4709.881+/-1.525 χ^2/NDF : 1368294.9/7

Right Out: 4711.077+/-1.337 χ^2/NDF : 1330595.4/19

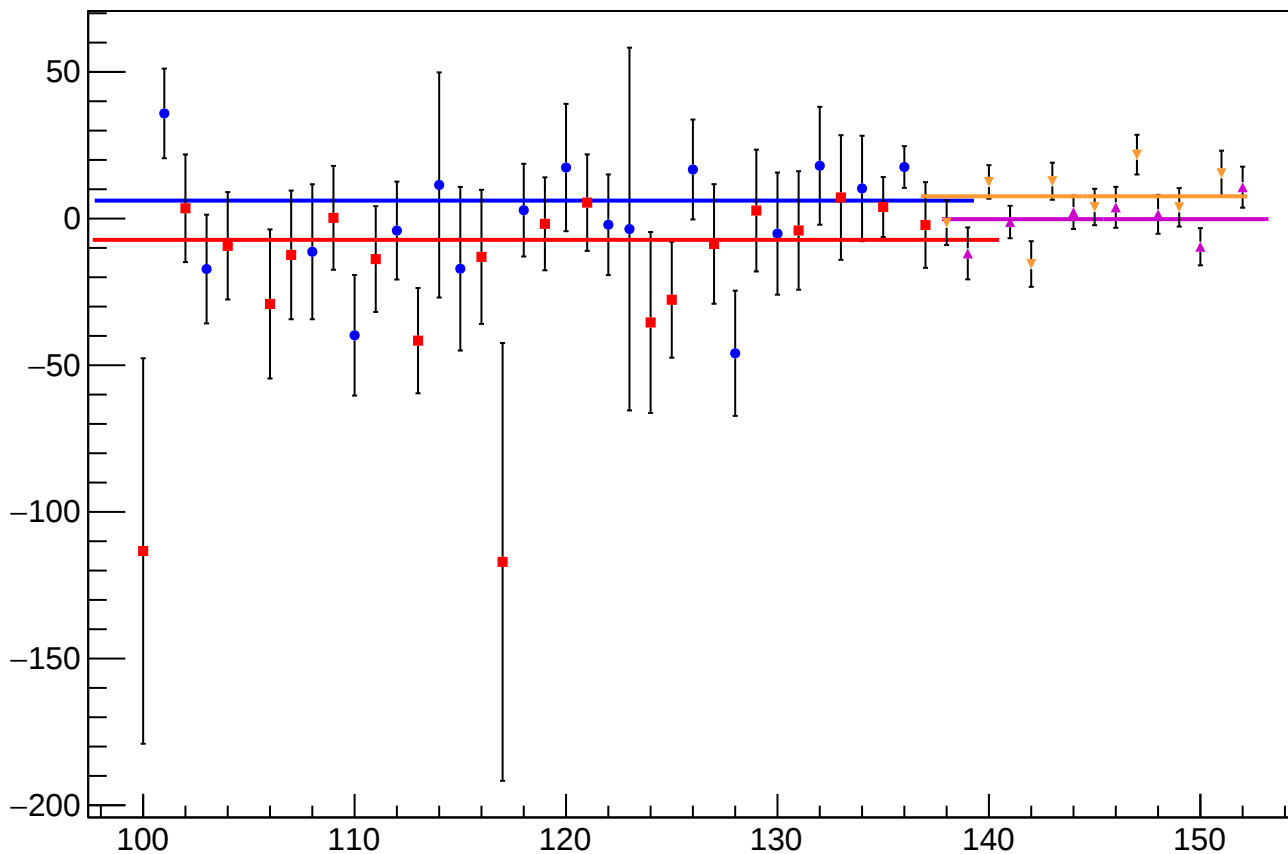
Left In: 4031.221+/-1.358 χ^2/NDF : 2319142.6/6

4796.721+/-1.040 χ^2/NDF : 2779603.3/24

4568.349+/-0.702 χ^2/NDF : 6645331.7/51

4376.556+/-0.953 χ^2/NDF : 3776972.8/26

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 6.133 ± 4.080 χ^2/NDF : 22.2/16

Left Out: 7.599 ± 2.376 χ^2/NDF : 17.7/7

Right Out: -7.243 ± 4.218 χ^2/NDF : 14.6/19

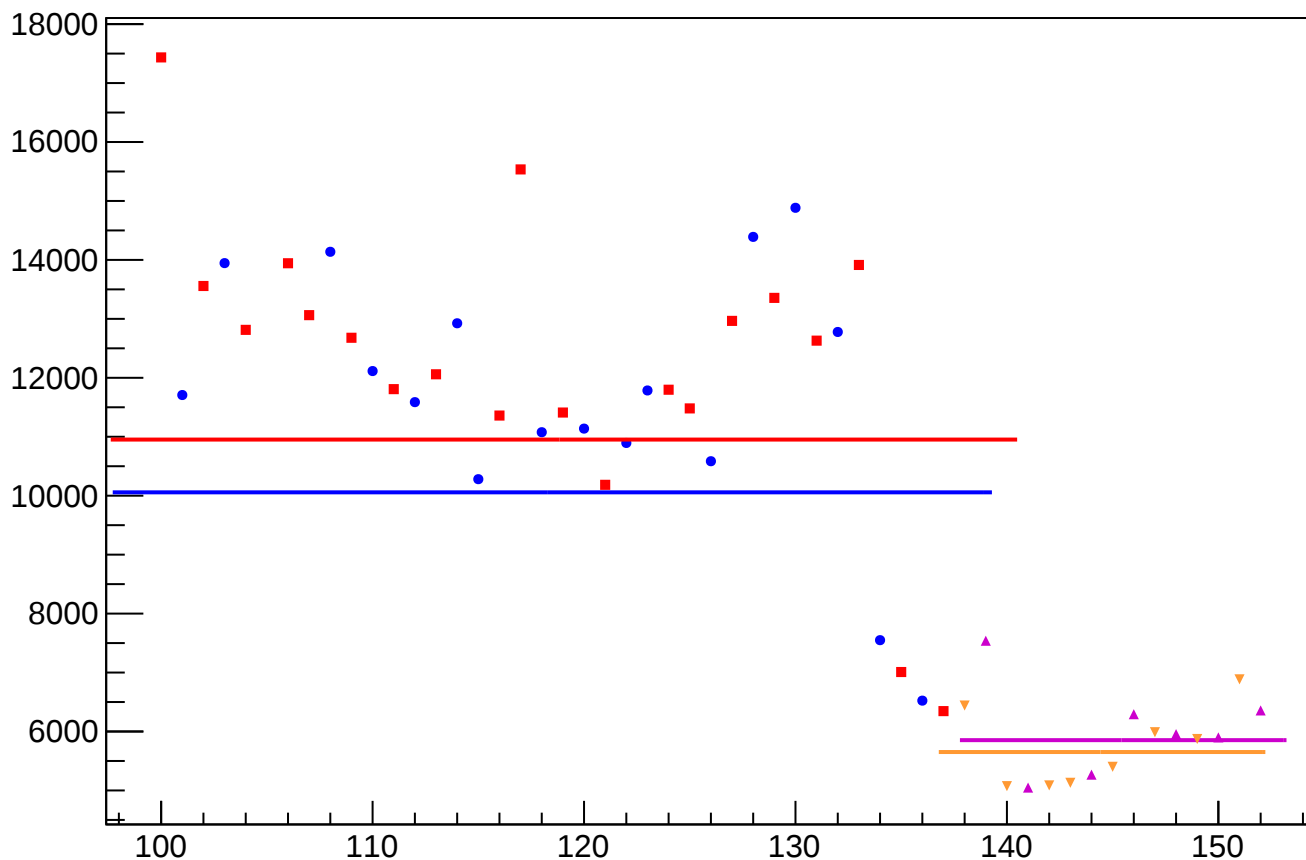
Left In: -0.186 ± 2.463 χ^2/NDF : 7.0/6

7.228 ± 2.053 χ^2/NDF : 40.0/24

2.787 ± 1.477 χ^2/NDF : 73.4/51

-1.981 ± 2.127 χ^2/NDF : 23.7/26

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10056.991 $\pm$ 2.885 χ^2/NDF : 1002872.6/16

Left Out: 5651.800 $\pm$ 1.680 χ^2/NDF :127538.1/7

Right Out: 10952.255 $\pm$ 2.982 χ^2/NDF : 770474.3/19

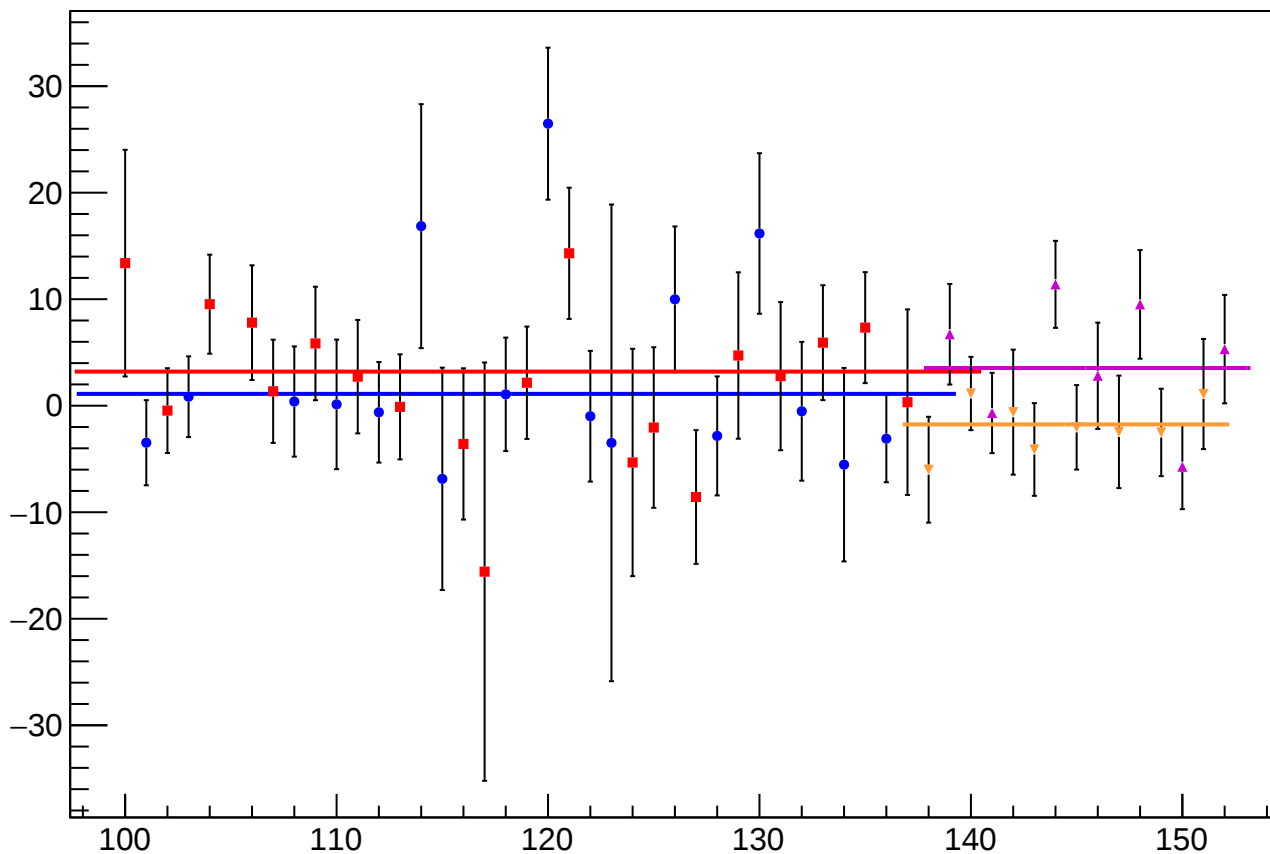
Left In: 5853.118 $\pm$ 1.742 χ^2/NDF :154982.9/6

6767.045 $\pm$ 1.452 χ^2/NDF : 2871500.3/24

6951.832 $\pm$ 1.045 χ^2/NDF : 6010277.0/51

7150.225 $\pm$ 1.504 χ^2/NDF : 3105176.8/26

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.112 ± 1.403 χ^2/NDF : 24.6/16

Left Out: -1.752 ± 1.575 χ^2/NDF : 2.1/7

Right Out: 3.204 ± 1.331 χ^2/NDF : 16.0/19

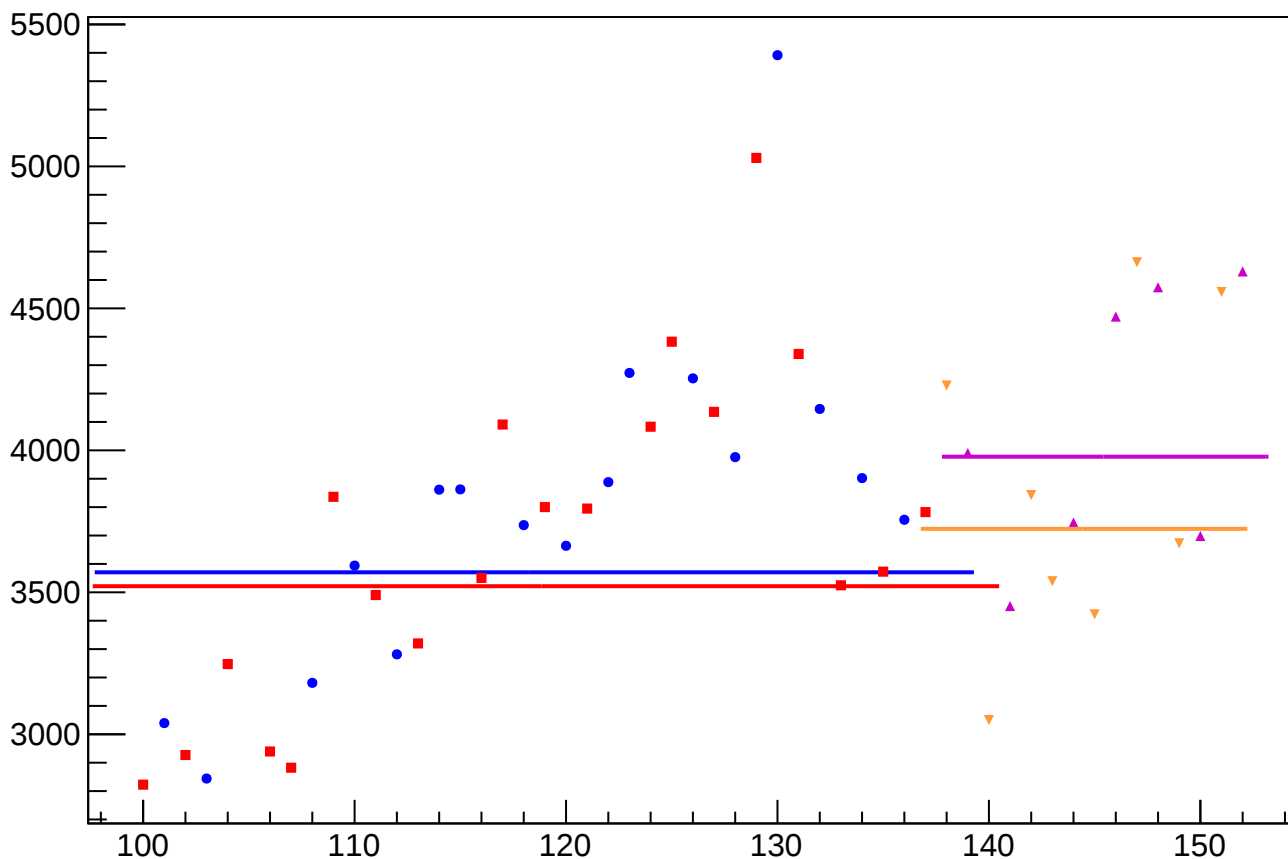
Left In: 3.539 ± 1.677 χ^2/NDF : 12.3/6

-0.155 ± 1.048 χ^2/NDF : 28.6/24

1.598 ± 0.739 χ^2/NDF : 62.5/51

3.333 ± 1.042 χ^2/NDF : 28.3/26

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

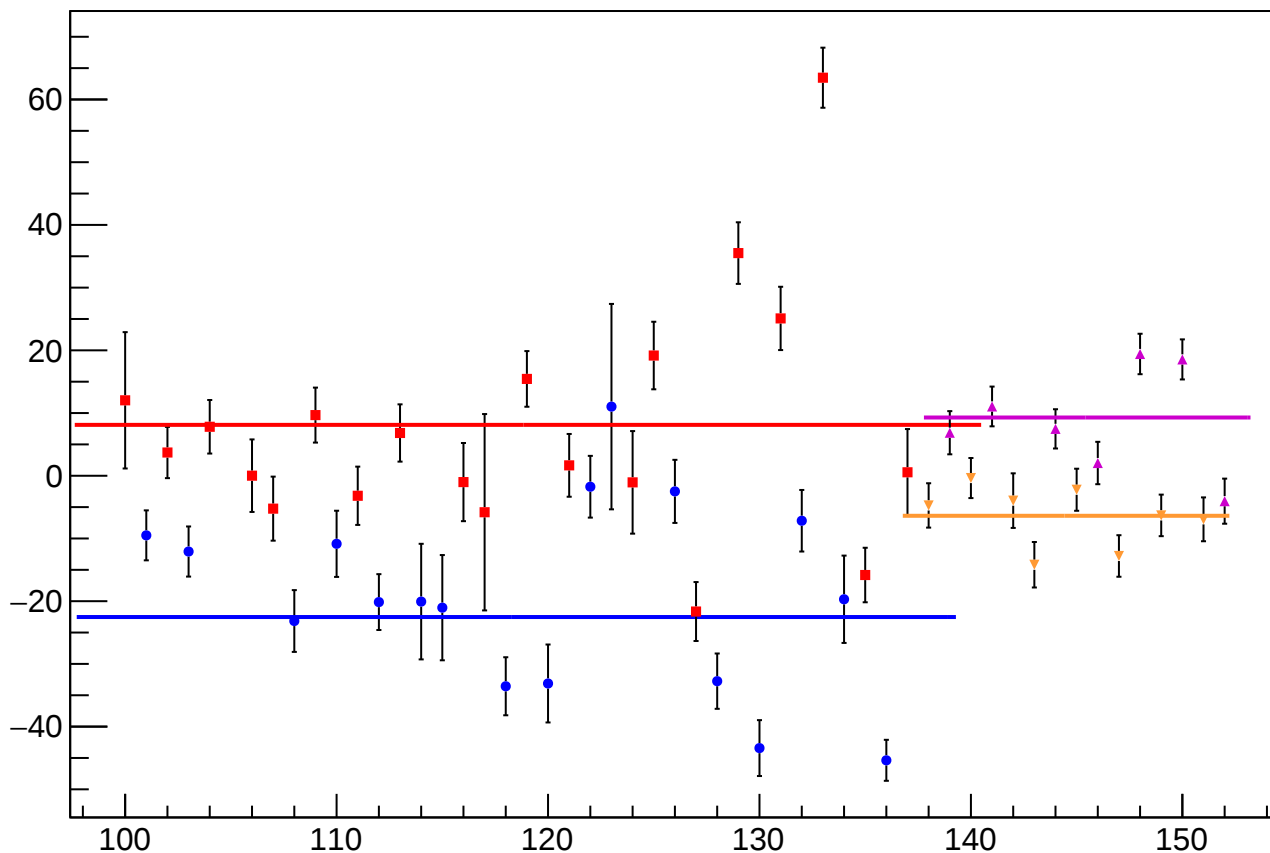
Left In: 3977.632+/-1.186 χ^2/NDF : 135085.7/6

3638.232+/-0.741 χ^2/NDF : 549071.7/24

3668.118+/-0.522 χ^2/NDF : 1073271.3/51

3697.709+/-0.737 χ^2/NDF : 520959.8/26

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

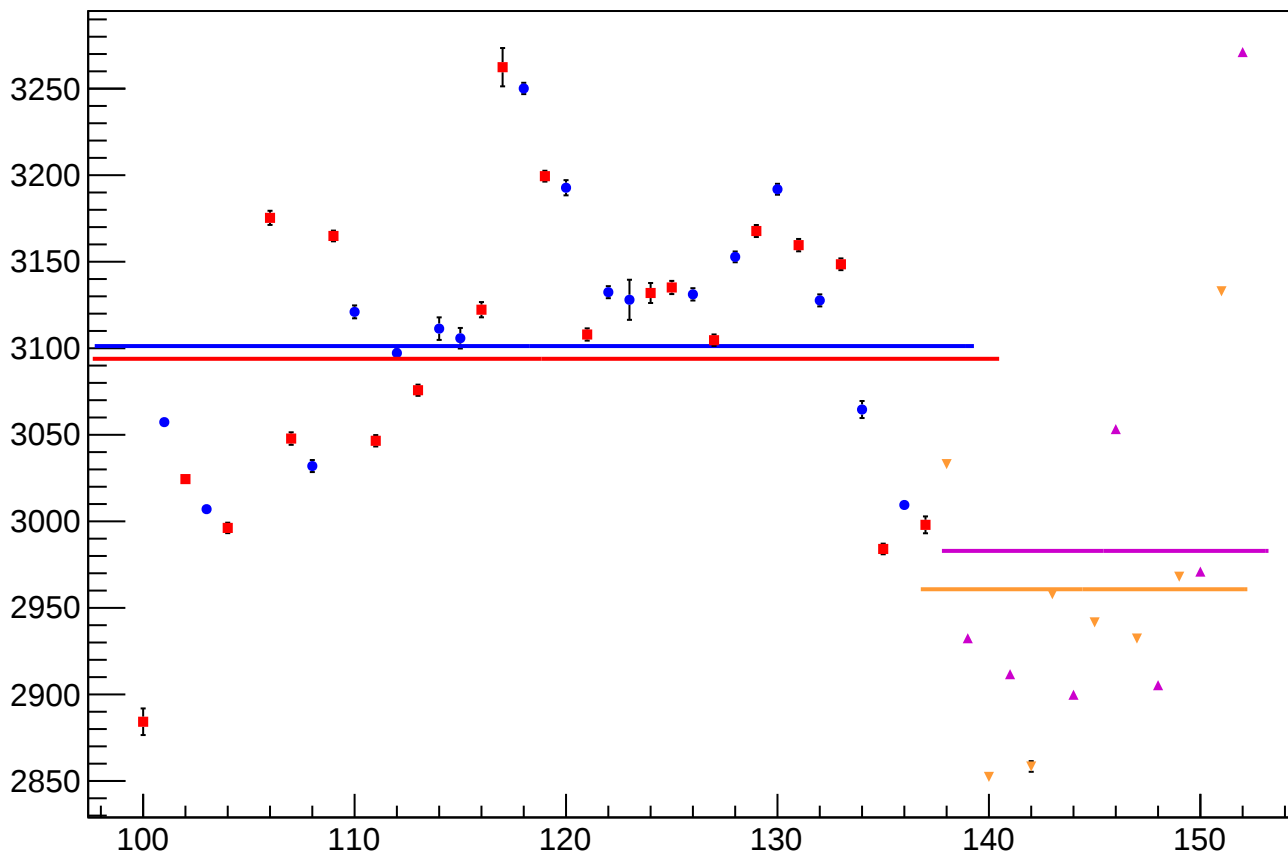
Left In: 9.289 $\pm$ 1.245 χ^2/NDF : 37.8/6

-14.658 $\pm$ 0.860 χ^2/NDF : 257.6/24

-2.818 $\pm$ 0.603 χ^2/NDF : 946.2/51

8.658 $\pm$ 0.846 χ^2/NDF : 314.9/26

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

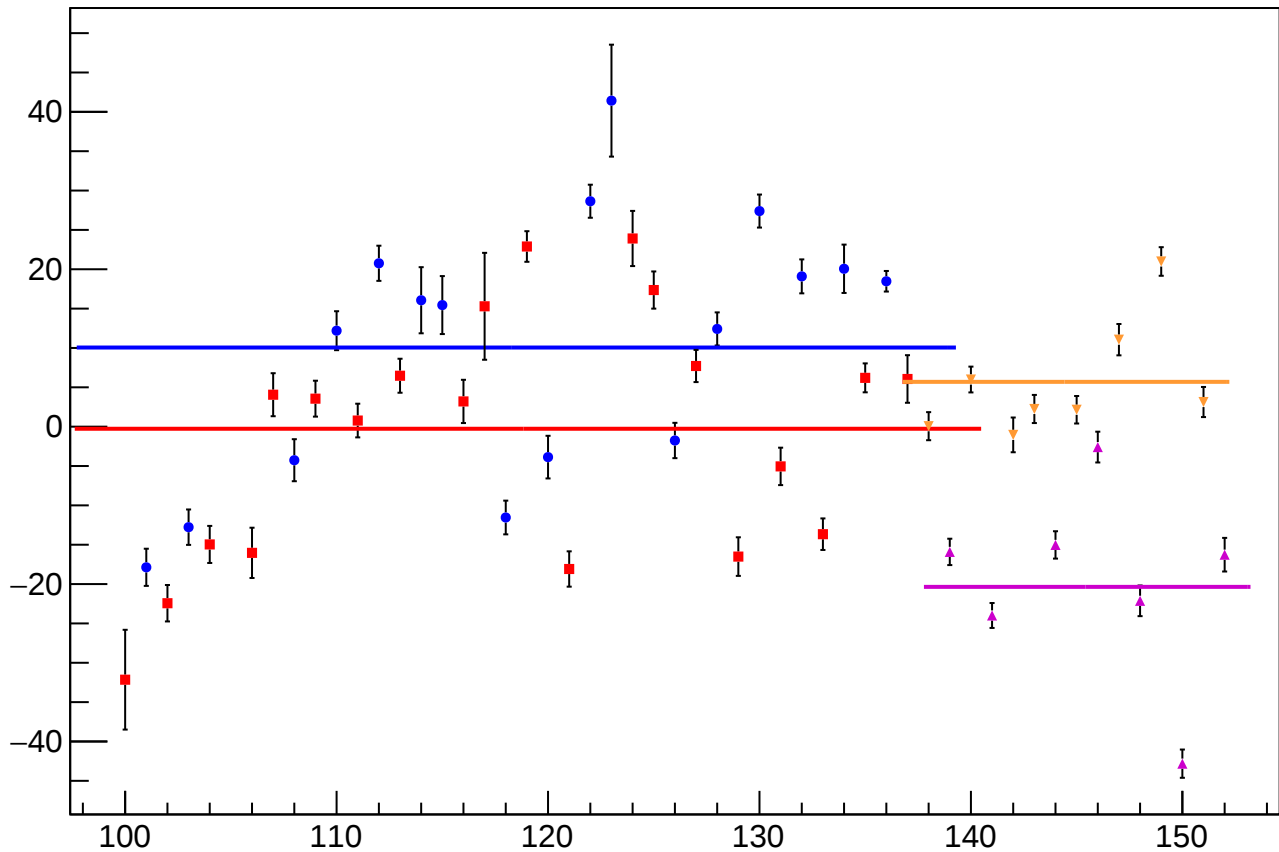
Left In: 2982.932 $\pm$ 0.880 χ^2/NDF : 17760.7/6

3032.793 $\pm$ 0.608 χ^2/NDF : 29902.6/24

3037.792 $\pm$ 0.426 χ^2/NDF : 64345.5/51

3042.638 $\pm$ 0.598 χ^2/NDF : 34309.7/26

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

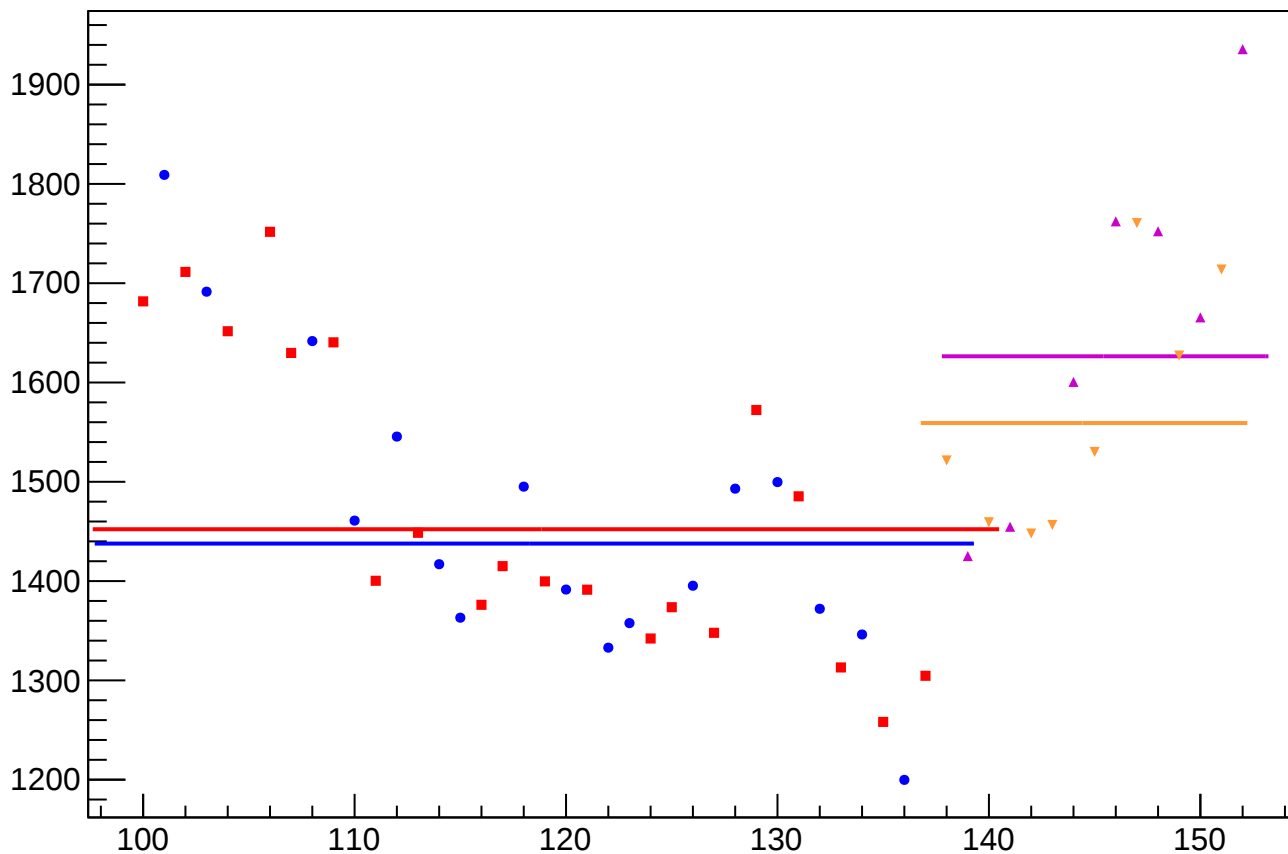
Left In: -20.355 ± 0.684 χ^2/NDF : 265.2/6

8.194 ± 0.425 χ^2/NDF : 825.0/24

0.078 ± 0.301 χ^2/NDF : 2983.6/51

-8.078 ± 0.426 χ^2/NDF : 1428.1/26

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

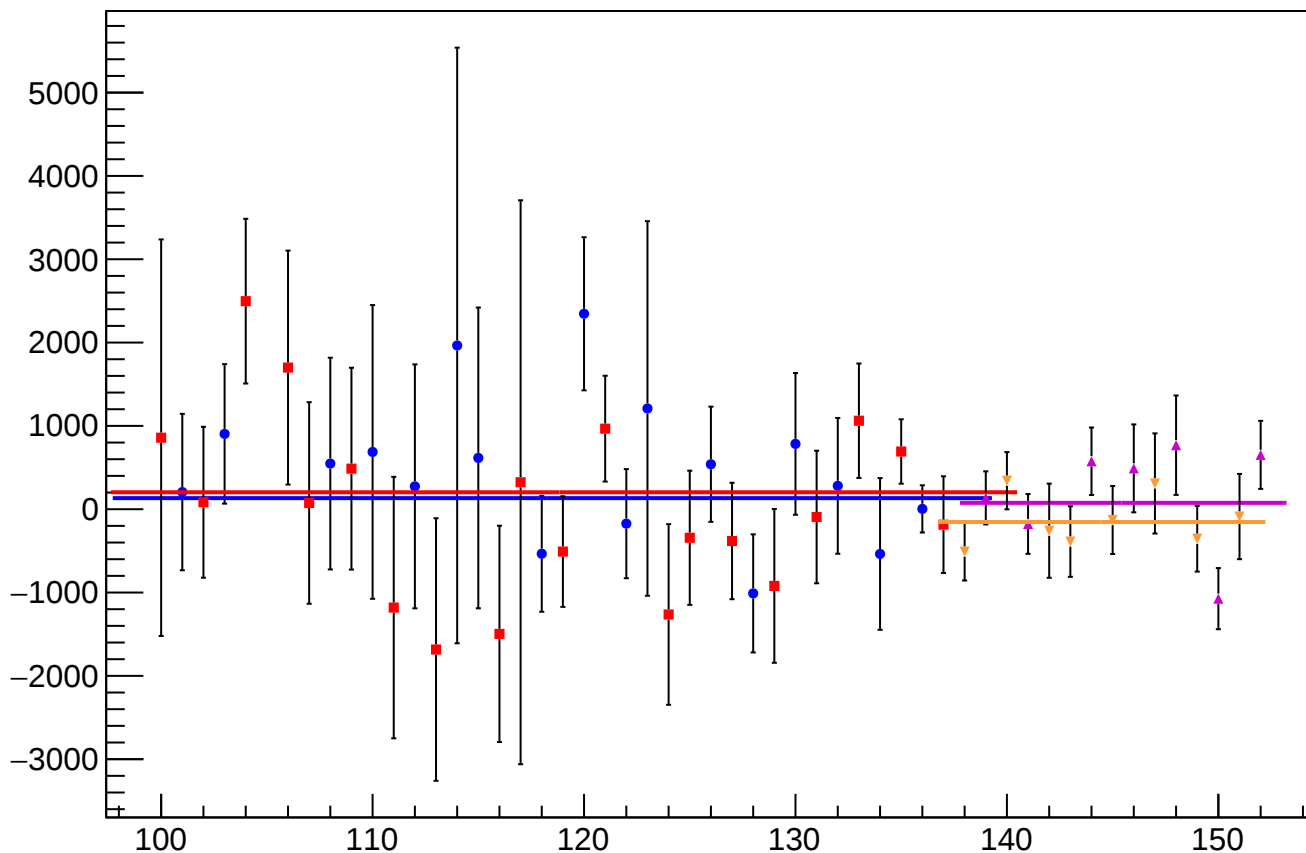
Left In: 1626.393 $\pm$ 0.483 χ^2/NDF : 113681.7/6

1489.607 $\pm$ 0.301 χ^2/NDF : 269993.0/24

1504.742 $\pm$ 0.213 χ^2/NDF : 606768.6/51

1519.952 $\pm$ 0.301 χ^2/NDF : 331695.0/26

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

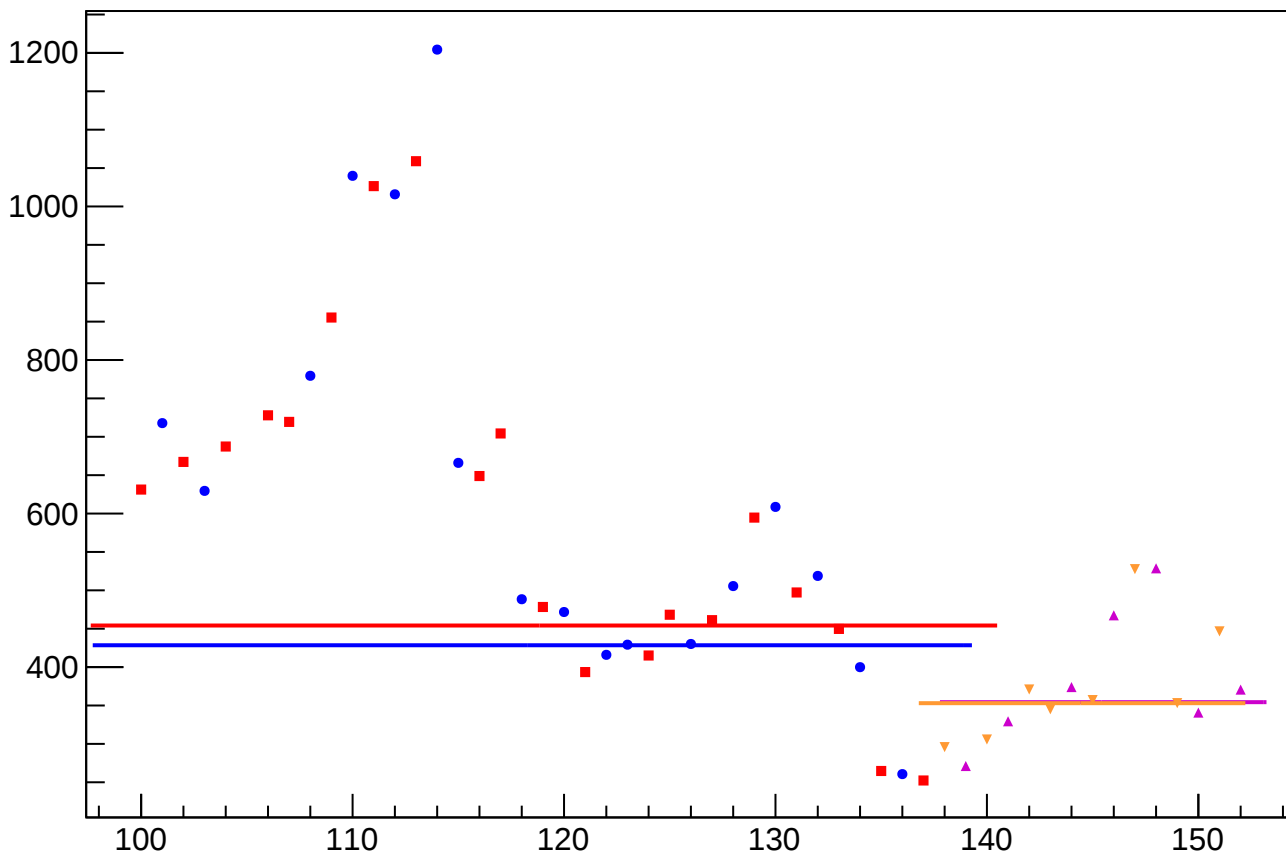
Left In: 76.441 $\pm$ 151.508 χ^2 /NDF: 15.8/6

-36.471 $\pm$ 115.232 χ^2 /NDF: 18.7/24

44.388 $\pm$ 82.093 χ^2 /NDF: 57.3/51

127.720 $\pm$ 116.981 χ^2 /NDF: 37.5/26

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

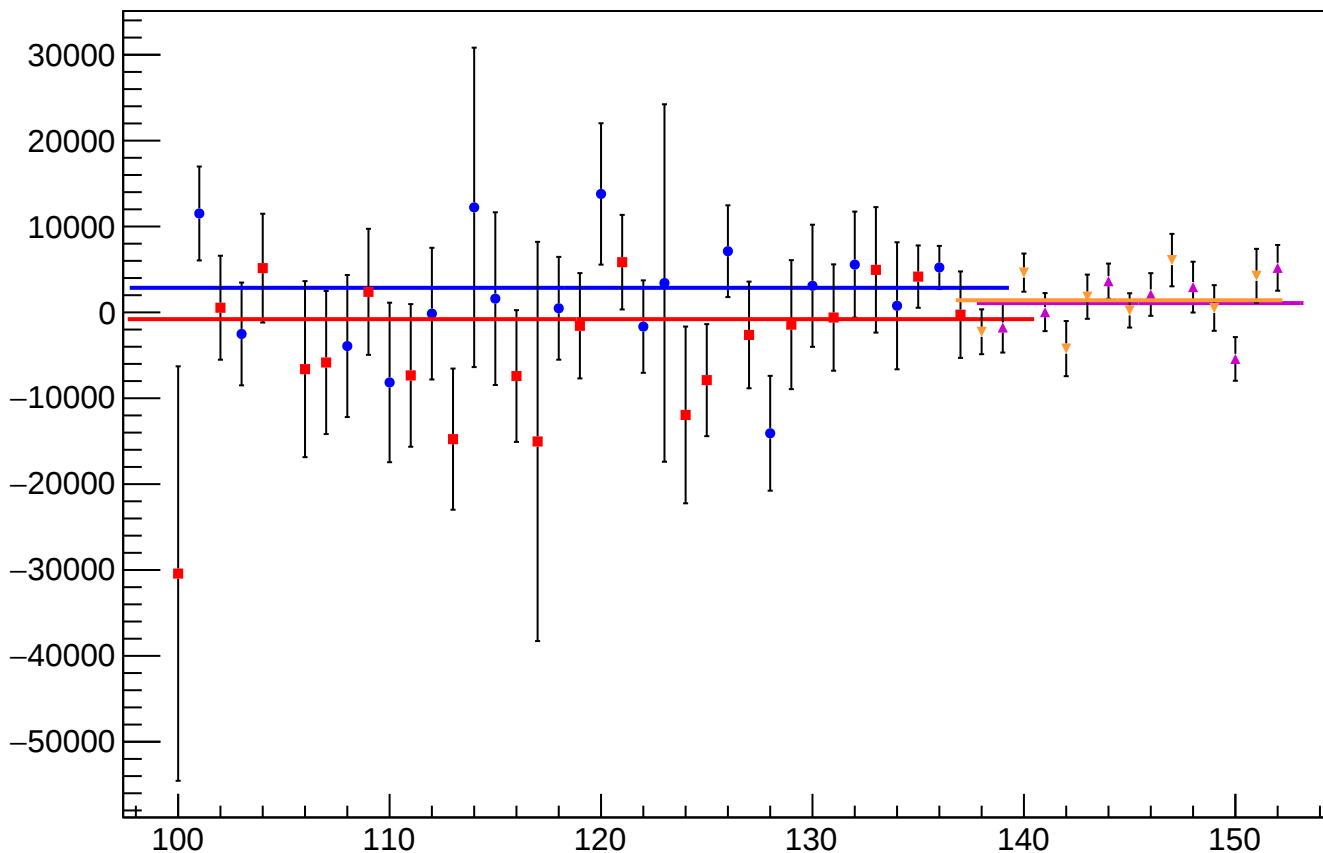
Left In: 354.339 $\pm$ 0.107 χ^2/NDF : 419261.0/6

383.842 $\pm$ 0.081 χ^2/NDF : 2549549.8/24

389.169 $\pm$ 0.058 χ^2/NDF : 5368993.5/51

394.658 $\pm$ 0.083 χ^2/NDF : 2810764.9/26

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

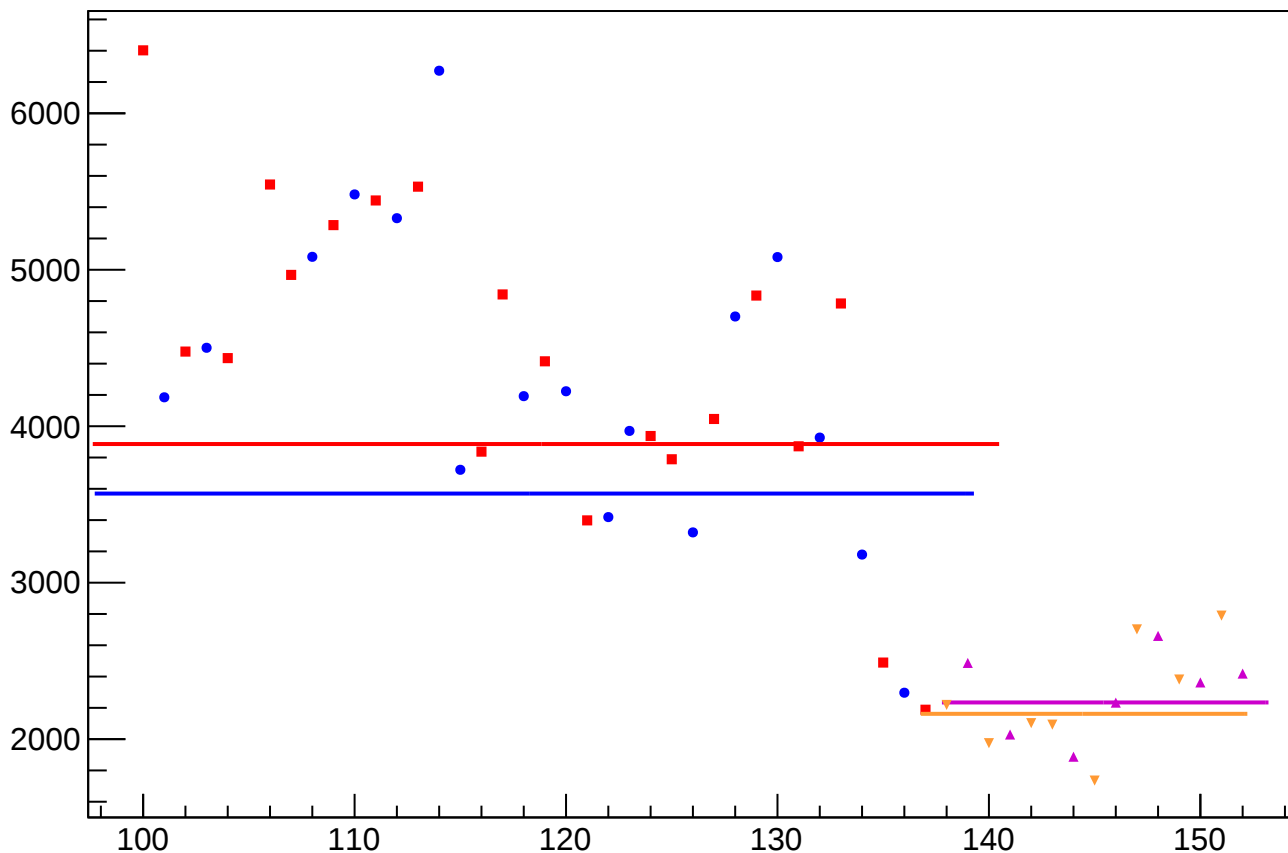
Left In: 1084.782 $\pm$ 940.875 χ^2/NDF : 12.2/6

1823.621 $\pm$ 772.653 χ^2/NDF : 28.2/24

1211.484 $\pm$ 555.079 χ^2/NDF : 57.1/51

558.596 $\pm$ 797.958 χ^2/NDF : 27.7/26

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

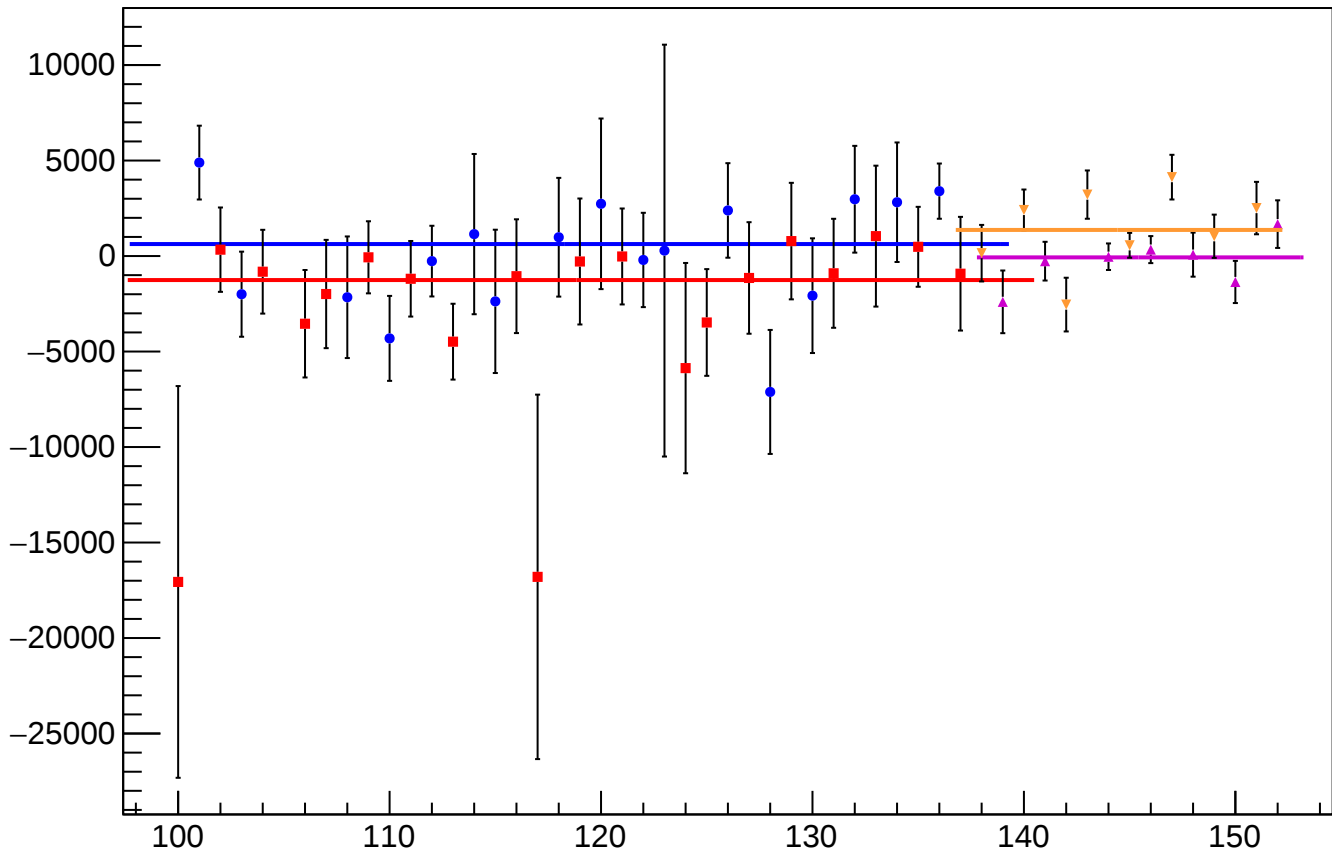
Left In: 2234.494 $\pm$ 0.665 χ^2 /NDF: 145062.7/6

2562.721 $\pm$ 0.546 χ^2 /NDF: 2705077.6/24

2628.262 $\pm$ 0.392 χ^2 /NDF: 5596621.7/51

2698.167 $\pm$ 0.564 χ^2 /NDF: 2861803.9/26

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

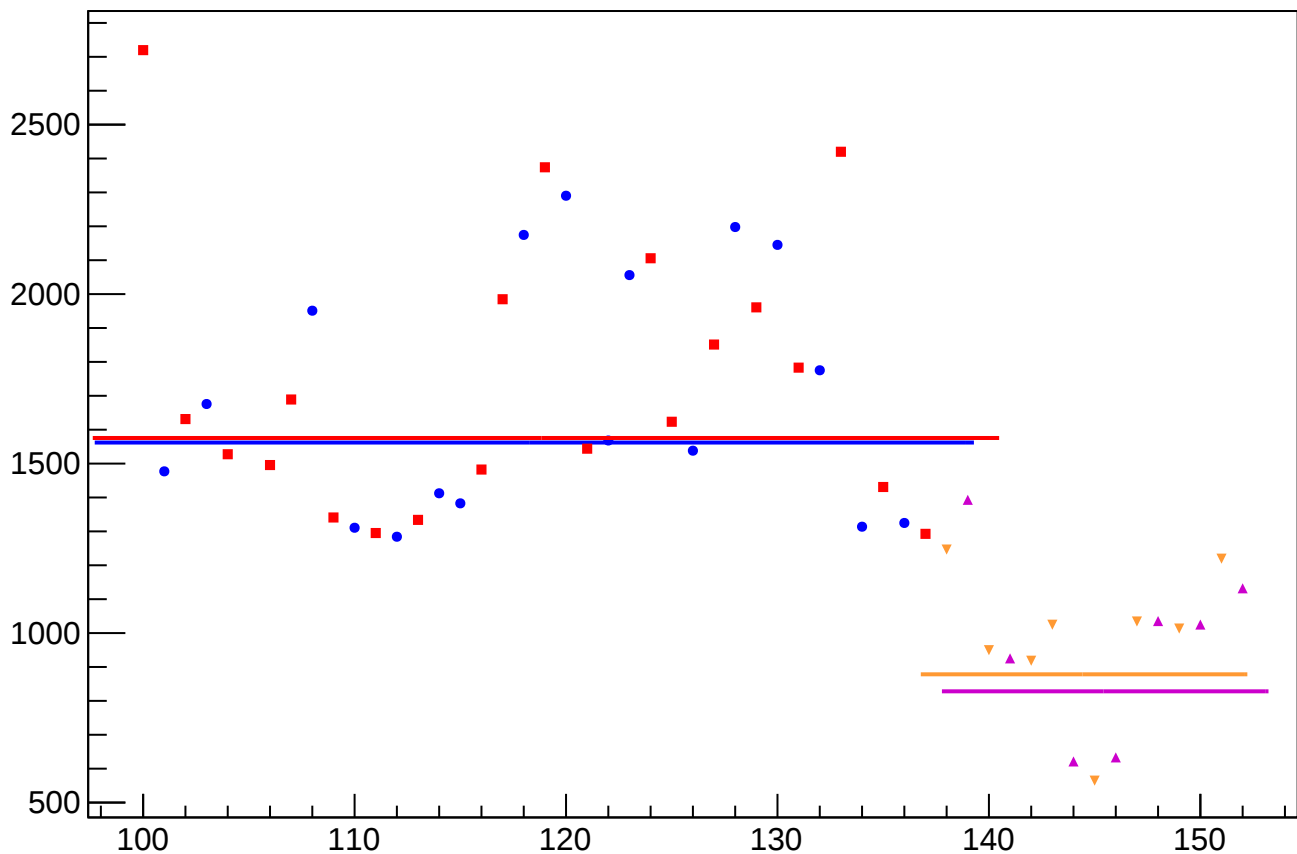
Left In: -70.199 $\pm$ 362.058 χ^2/NDF : 5.7/6

1164.147 $\pm$ 325.144 χ^2/NDF : 45.5/24

352.917 $\pm$ 224.460 χ^2/NDF : 78.5/51

-385.684 $\pm$ 310.248 χ^2/NDF : 21.1/26

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1562.101 ± 0.439 $\chi^2/\text{NDF}: 482088.3/16$

Left Out: 878.339 ± 0.270 $\chi^2/\text{NDF}: 814027.7/7$

Right Out: 1575.541 ± 0.426 $\chi^2/\text{NDF}: 467687.2/19$

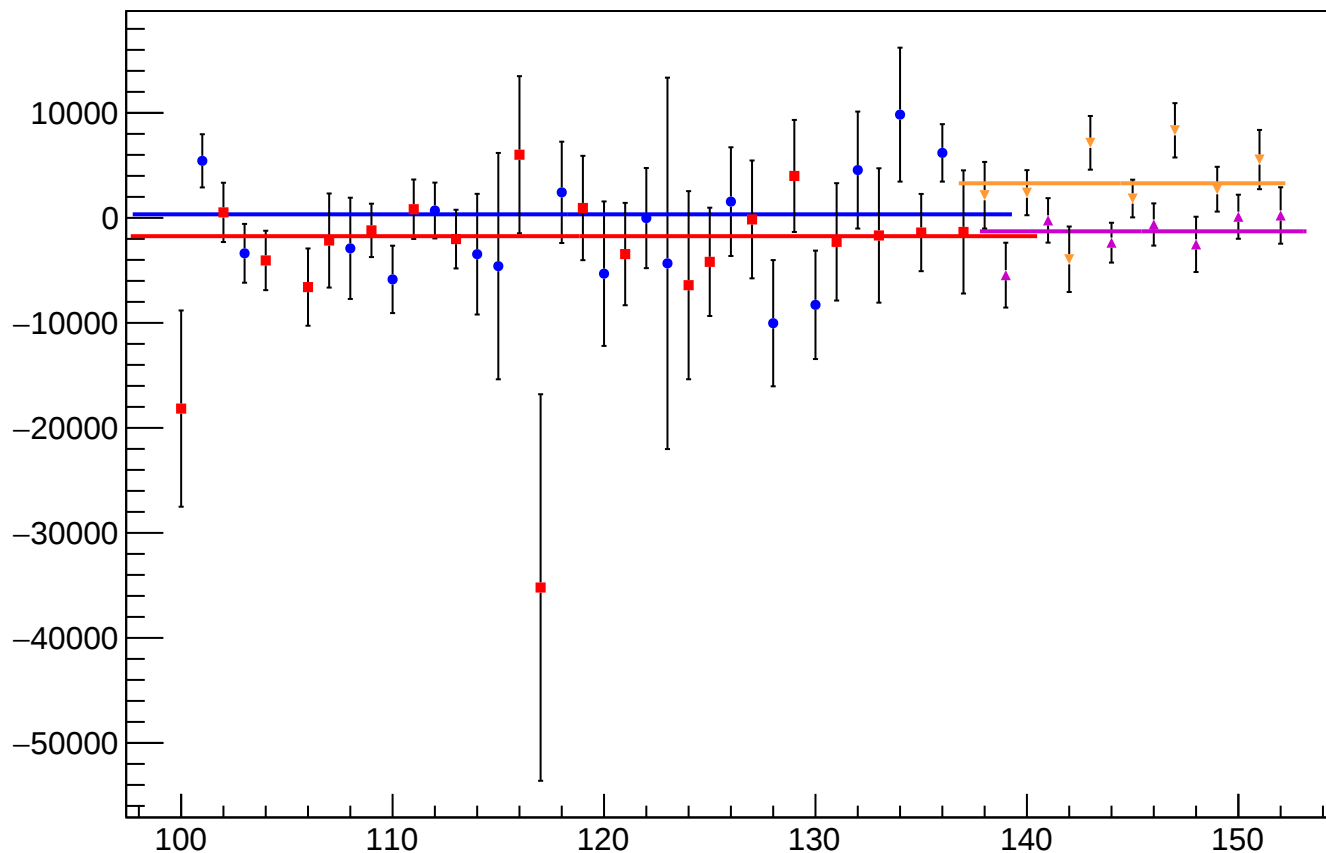
Left In: 828.152 ± 0.256 $\chi^2/\text{NDF}: 831672.5/6$

1065.826 ± 0.230 $\chi^2/\text{NDF}: 3056361.4/24$

1045.373 ± 0.159 $\chi^2/\text{NDF}: 6635468.7/51$

1026.751 ± 0.219 $\chi^2/\text{NDF}: 3563987.9/26$

asym_sam4_mean vs Slug, Sign Corrected



Right In: 338.117 ± 995.842 χ^2/NDF : 24.8/16

Left Out: 3295.122 ± 852.010 χ^2/NDF : 13.1/7

Right Out: -1742.470 ± 923.289 χ^2/NDF : 13.6/19

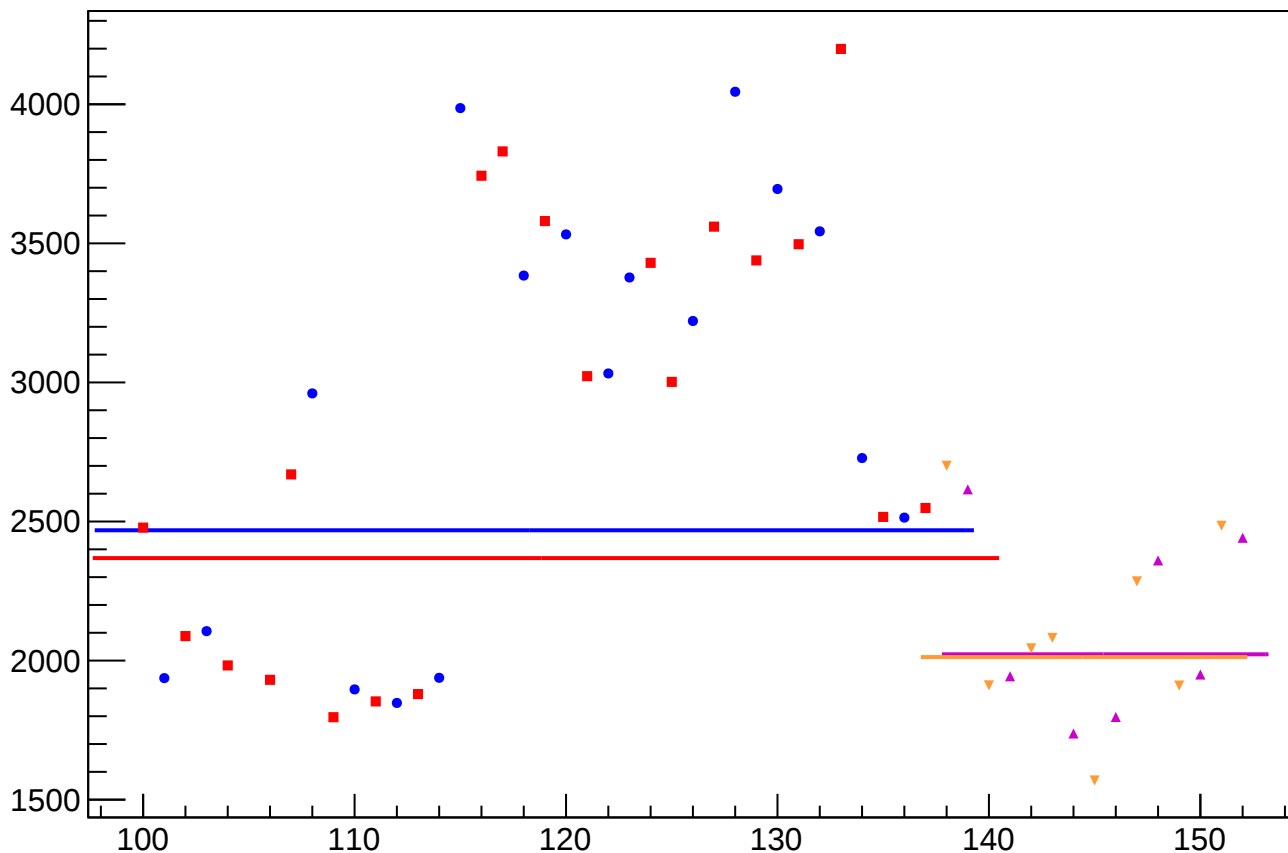
Left In: -1280.082 ± 856.661 χ^2/NDF : 3.5/6

2045.399 ± 647.398 χ^2/NDF : 43.0/24

221.844 ± 450.760 χ^2/NDF : 75.6/51

-1493.992 ± 627.986 χ^2/NDF : 17.2/26

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

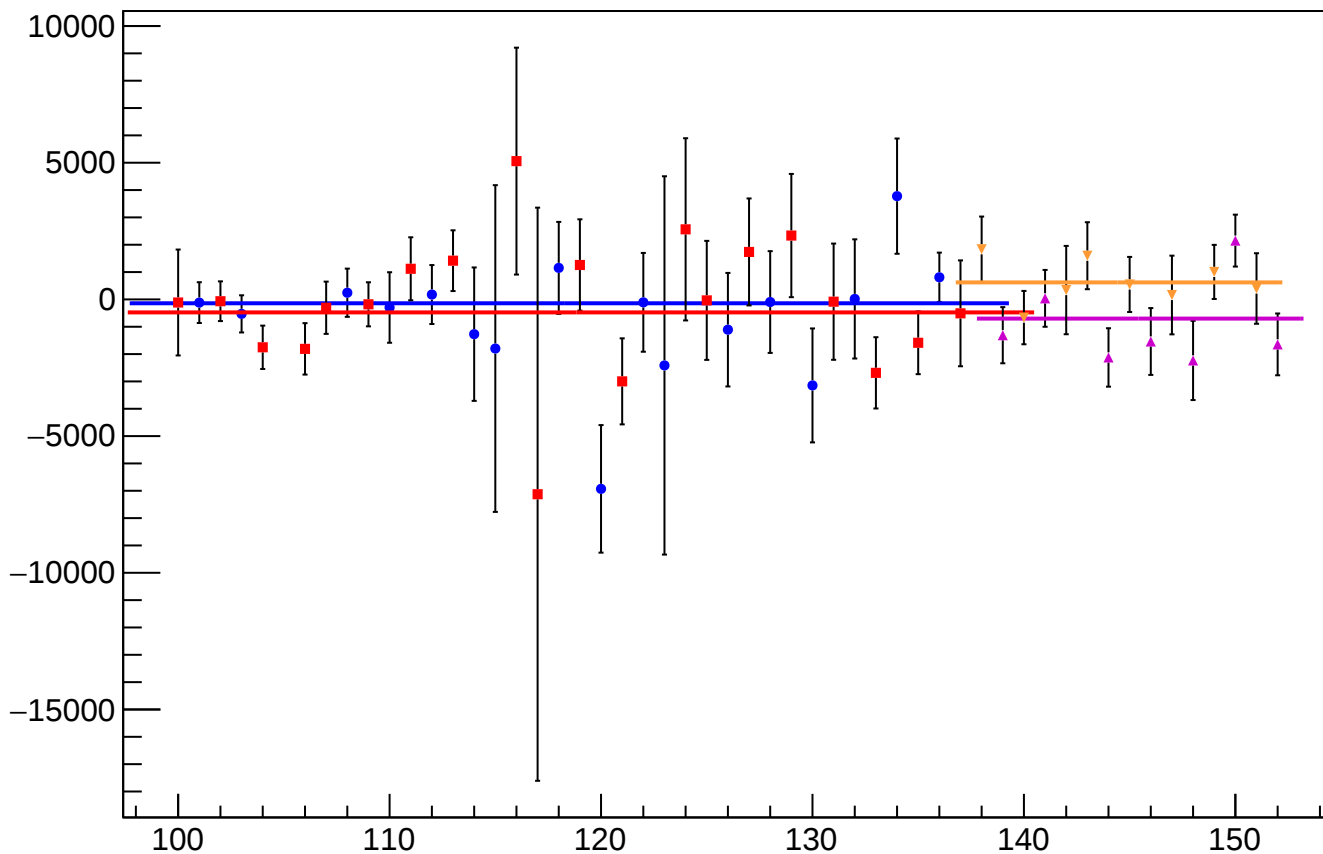
Left In: 2022.574 $\pm$ 0.606 χ^2 /NDF:230535.5/6

2205.267 $\pm$ 0.458 χ^2 /NDF: 1443258.8/24

2193.597 $\pm$ 0.319 χ^2 /NDF: 2863756.2/51

2182.616 $\pm$ 0.444 χ^2 /NDF: 1419236.0/26

asym_sam5_mean vs Slug, Sign Corrected



Right In: -141.213 $\pm$ 313.319 χ^2/NDF : 16.9/16

Left Out: 621.921 $\pm$ 412.122 χ^2/NDF : 3.7/7

Right Out: -474.987 $\pm$ 282.789 χ^2/NDF : 23.3/19

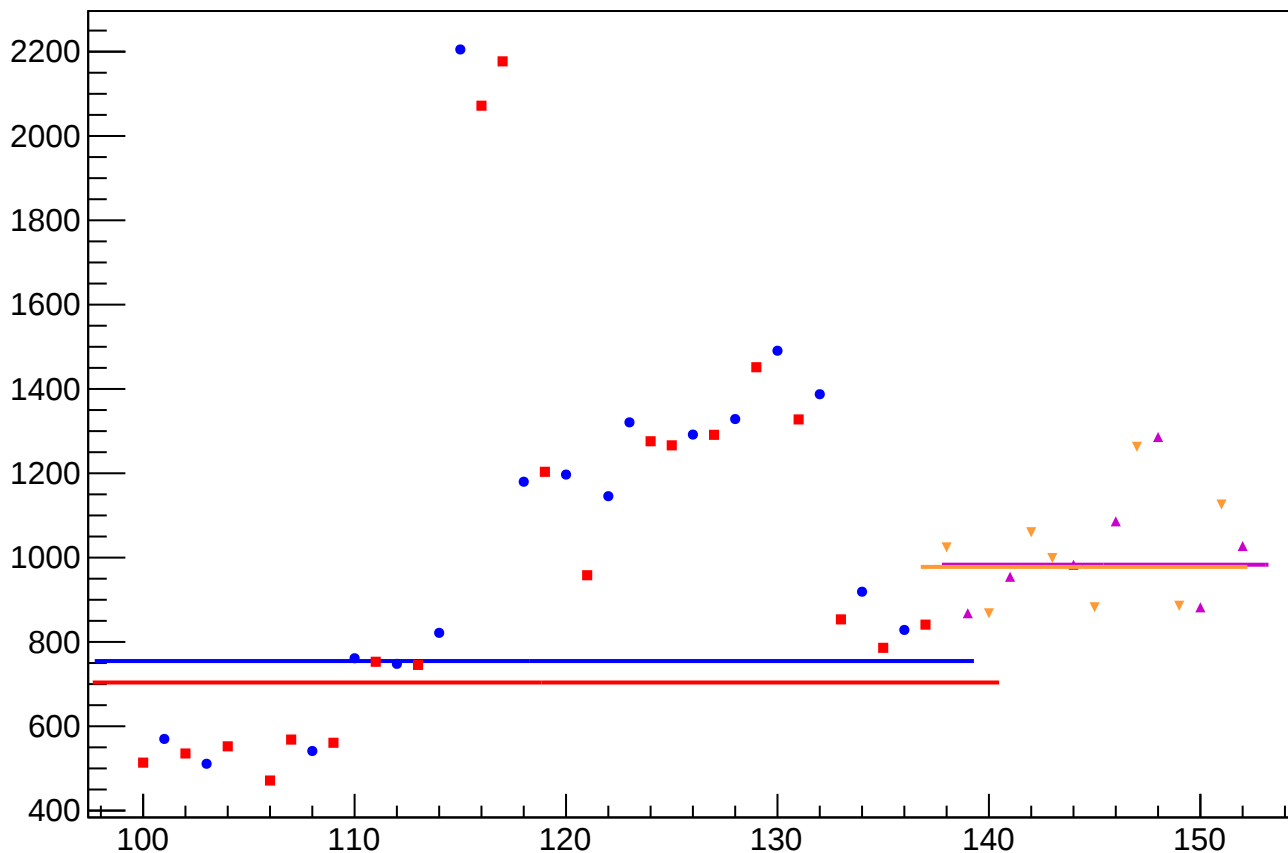
Left In: -701.713 $\pm$ 415.684 χ^2/NDF : 13.9/6

138.310 $\pm$ 249.422 χ^2/NDF : 22.8/24

-226.308 $\pm$ 170.582 χ^2/NDF : 64.3/51

-546.720 $\pm$ 233.813 χ^2/NDF : 37.5/26

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

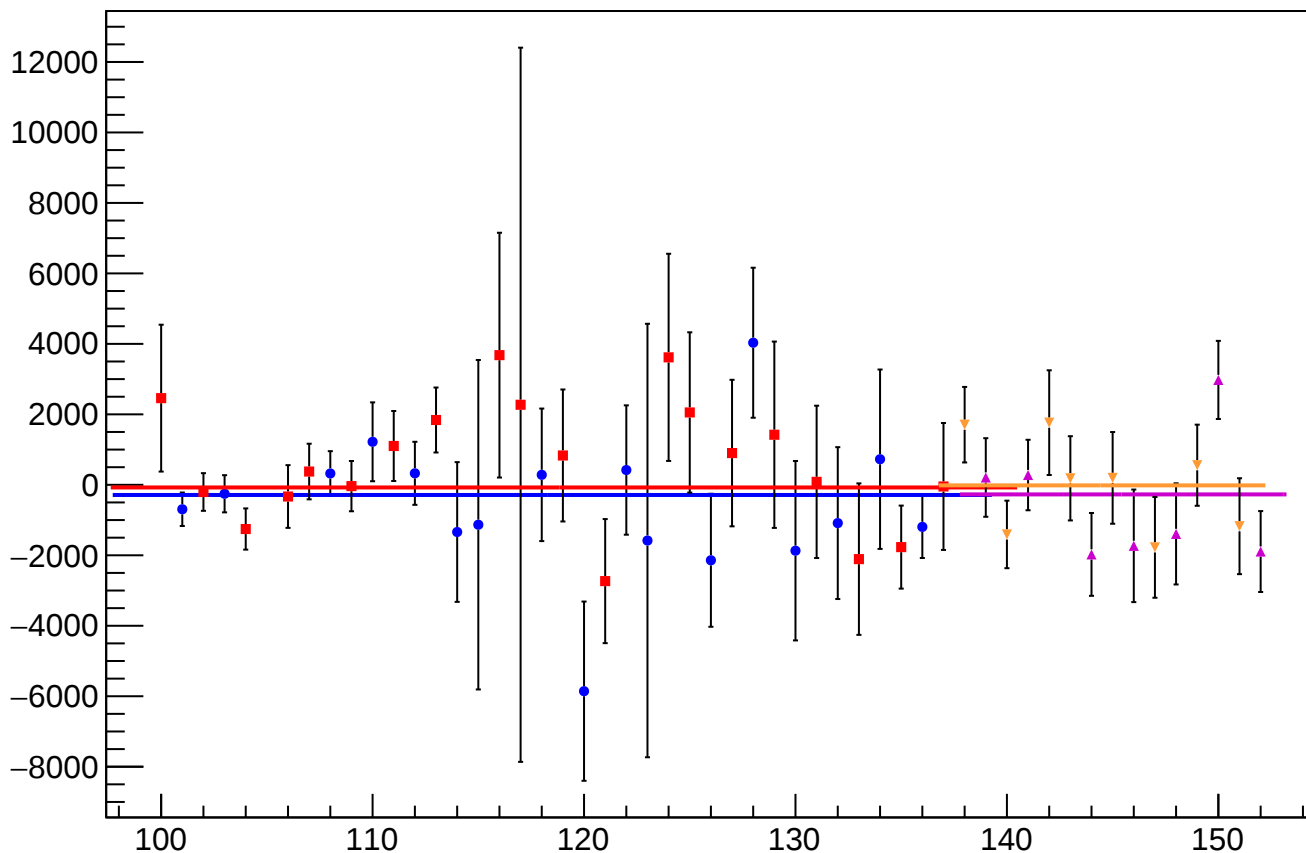
Left In: 983.186+/-0.294 χ^2/NDF : 153937.6/6

836.473+/-0.176 χ^2/NDF : 2236967.7/24

812.902+/-0.121 χ^2/NDF : 4773247.6/51

792.189+/-0.165 χ^2/NDF : 2502722.3/26

asym_sam6_mean vs Slug, Sign Corrected



Right In: -288.037 ± 250.436 χ^2/NDF : 16.2/16

Left Out: -15.688 ± 426.906 χ^2/NDF : 8.7/7

Right Out: -74.735 ± 246.011 χ^2/NDF : 21.4/19

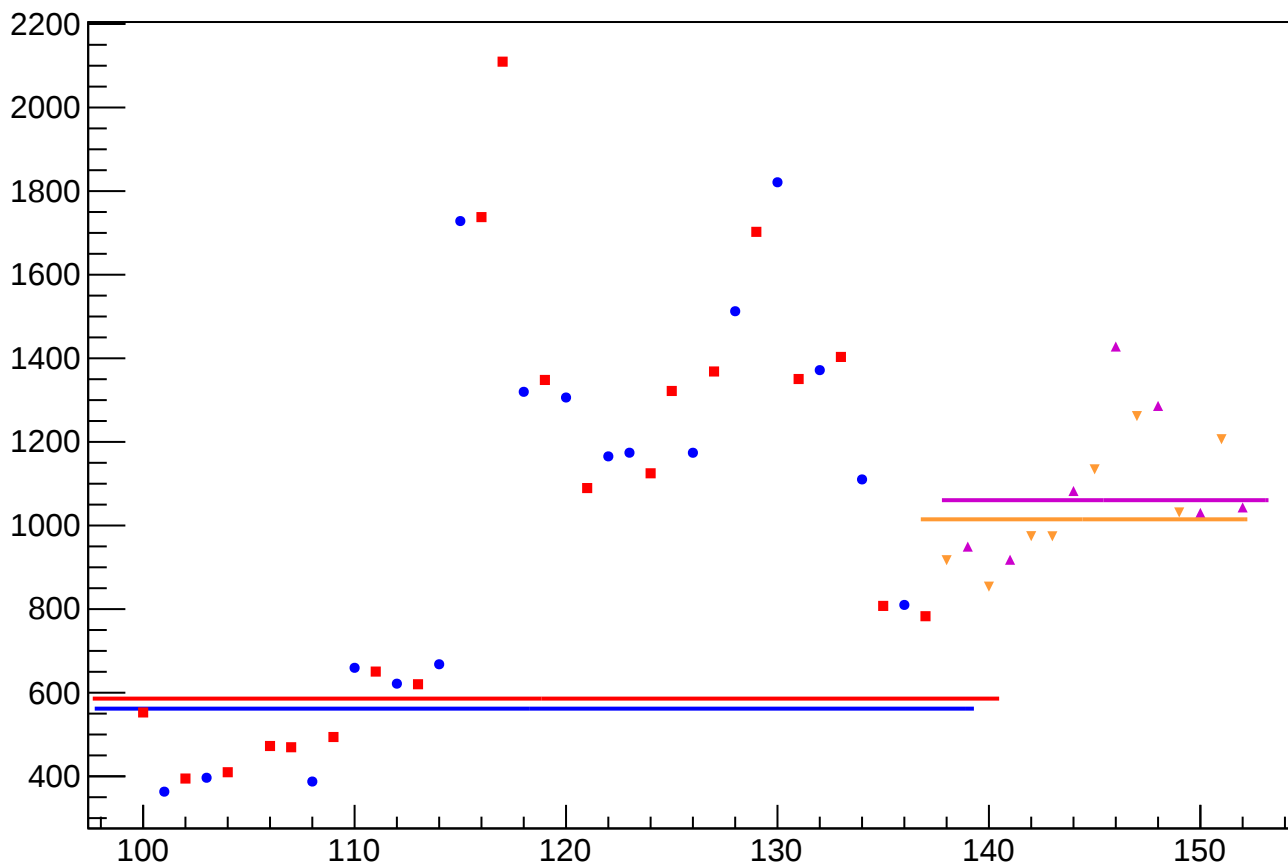
Left In: -271.759 ± 448.202 χ^2/NDF : 14.6/6

-218.309 ± 216.010 χ^2/NDF : 25.1/24

-169.250 ± 152.618 χ^2/NDF : 61.4/51

-120.350 ± 215.660 χ^2/NDF : 36.2/26

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

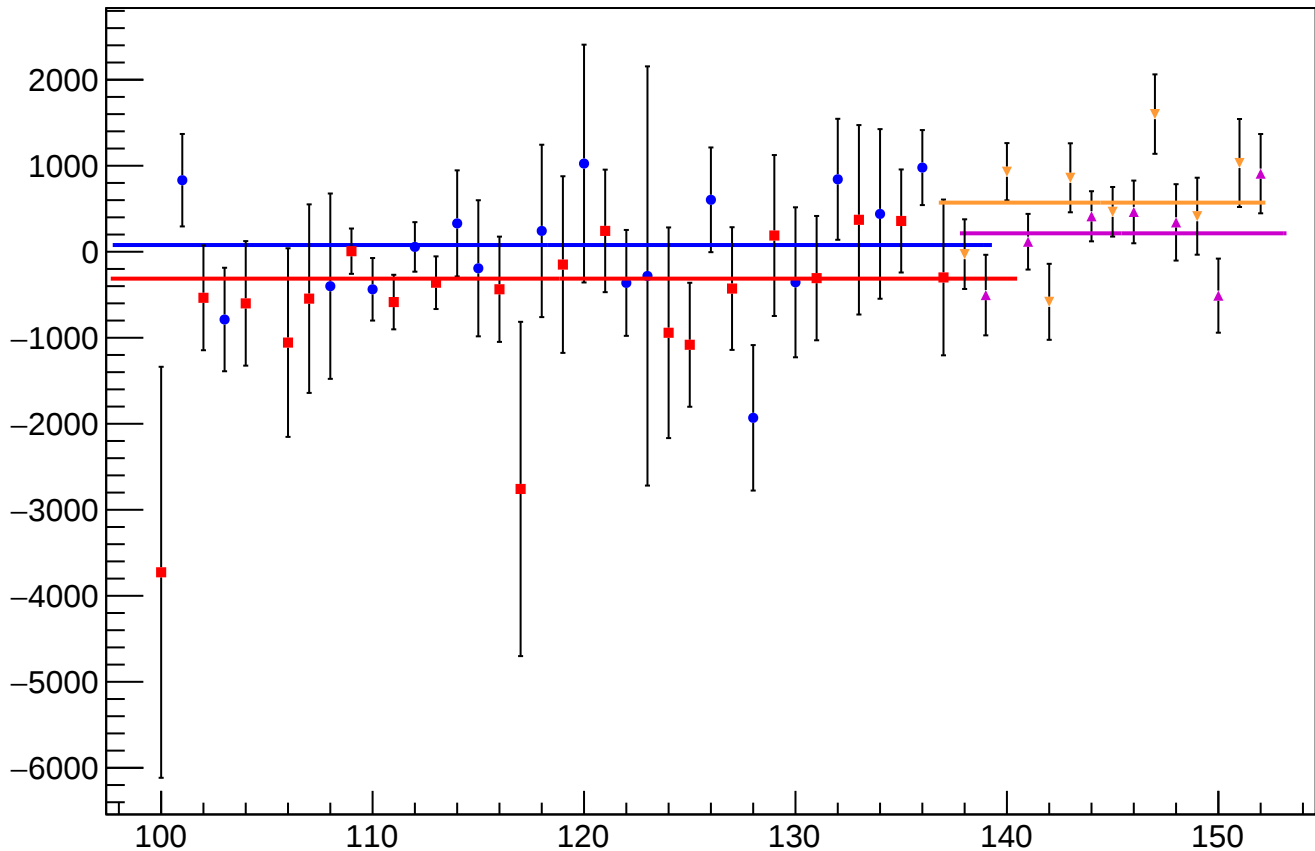
Left In: 1060.590 $\pm$ 0.317 χ^2/NDF : 218393.9/6

677.848 $\pm$ 0.153 χ^2/NDF : 5084886.1/24

686.836 $\pm$ 0.108 χ^2/NDF : 9903938.7/51

695.794 $\pm$ 0.152 χ^2/NDF : 4812138.7/26

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

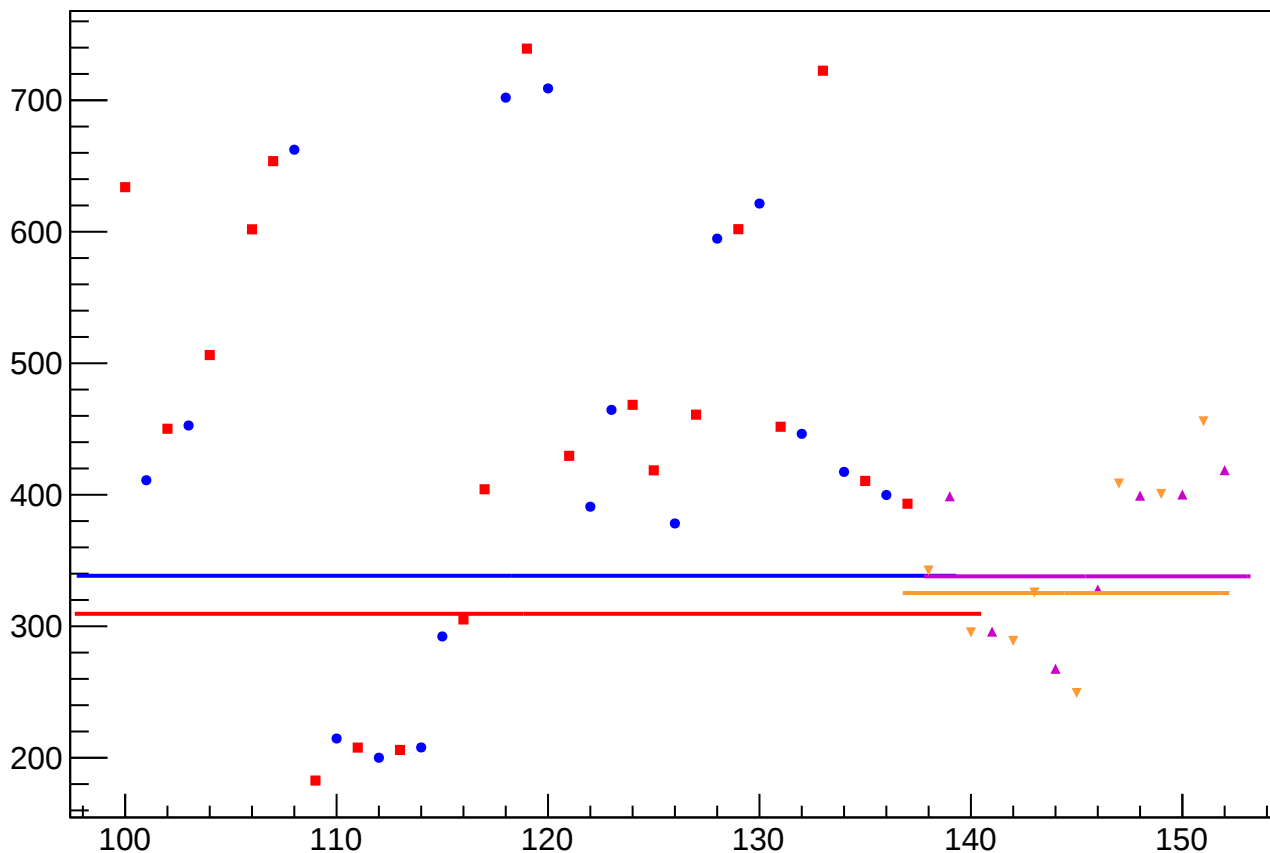
Left In: 214.304+/-143.475 χ^2/NDF : 8.5/6

331.954+/-99.510 χ^2/NDF : 42.6/24

120.664+/-69.118 χ^2/NDF : 78.0/51

-76.296+/-96.076 χ^2/NDF : 26.7/26

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

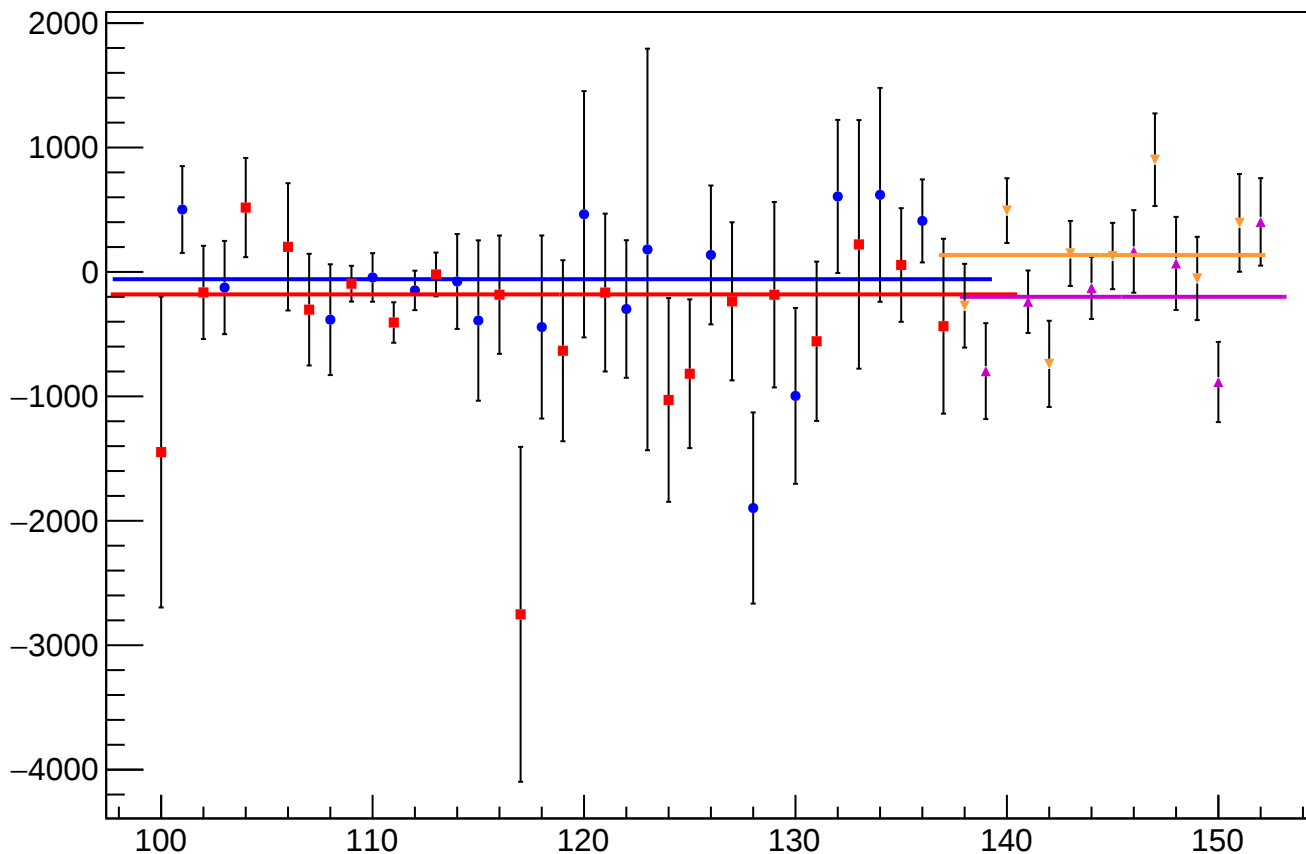
Left In: 337.982 $\pm$ 0.101 χ^2/NDF : 326523.5/6

331.654 $\pm$ 0.070 χ^2/NDF : 2442275.8/24

326.799 $\pm$ 0.049 χ^2/NDF : 5559700.8/51

322.273 $\pm$ 0.068 χ^2/NDF : 3108226.8/26

asym_sam8_mean vs Slug, Sign Corrected



Right In: -58.299 ± 90.484 χ^2/NDF : 15.9/16

Left Out: 135.777 ± 109.556 χ^2/NDF : 14.7/7

Right Out: -180.354 ± 76.795 χ^2/NDF : 15.0/19

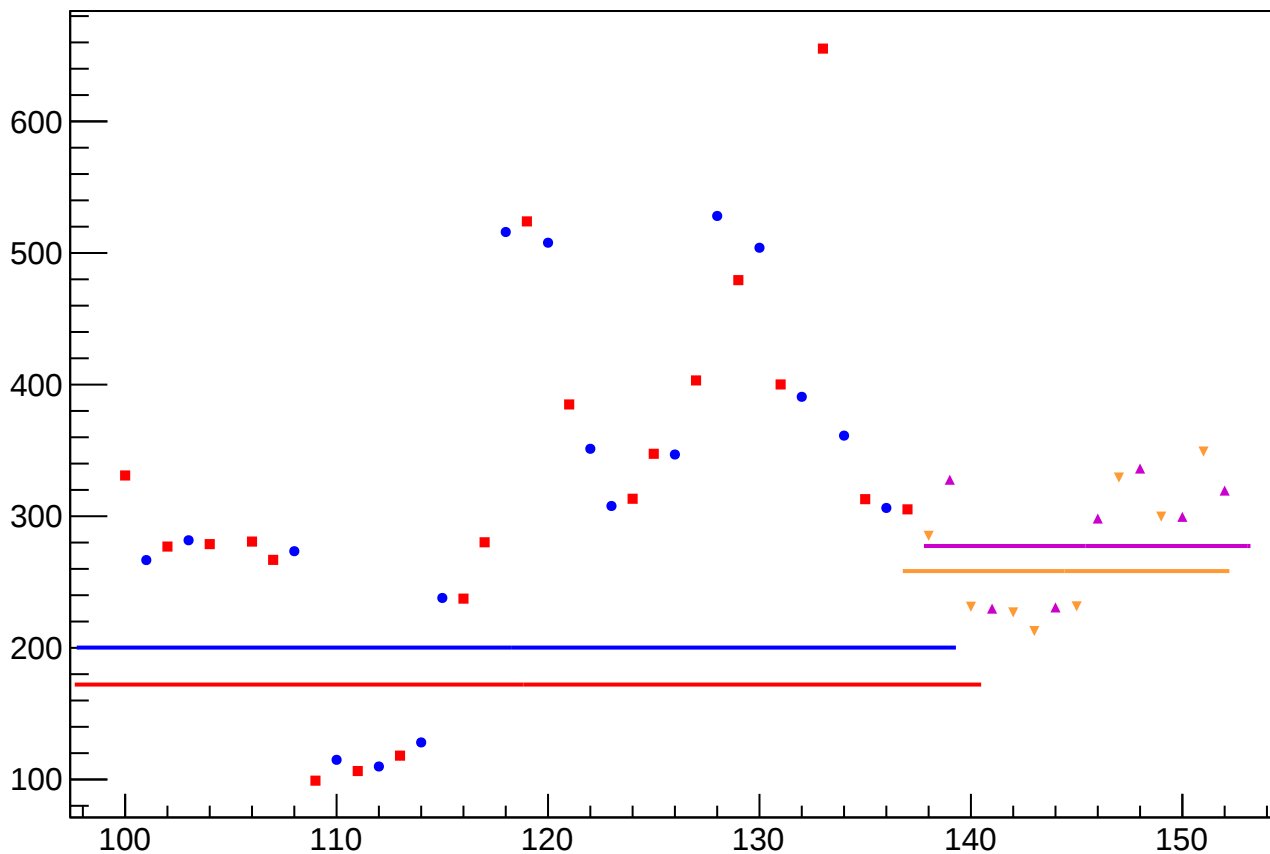
Left In: -199.755 ± 117.377 χ^2/NDF : 11.7/6

20.402 ± 69.766 χ^2/NDF : 32.4/24

-91.351 ± 47.266 χ^2/NDF : 63.9/51

-186.170 ± 64.263 χ^2/NDF : 26.7/26

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

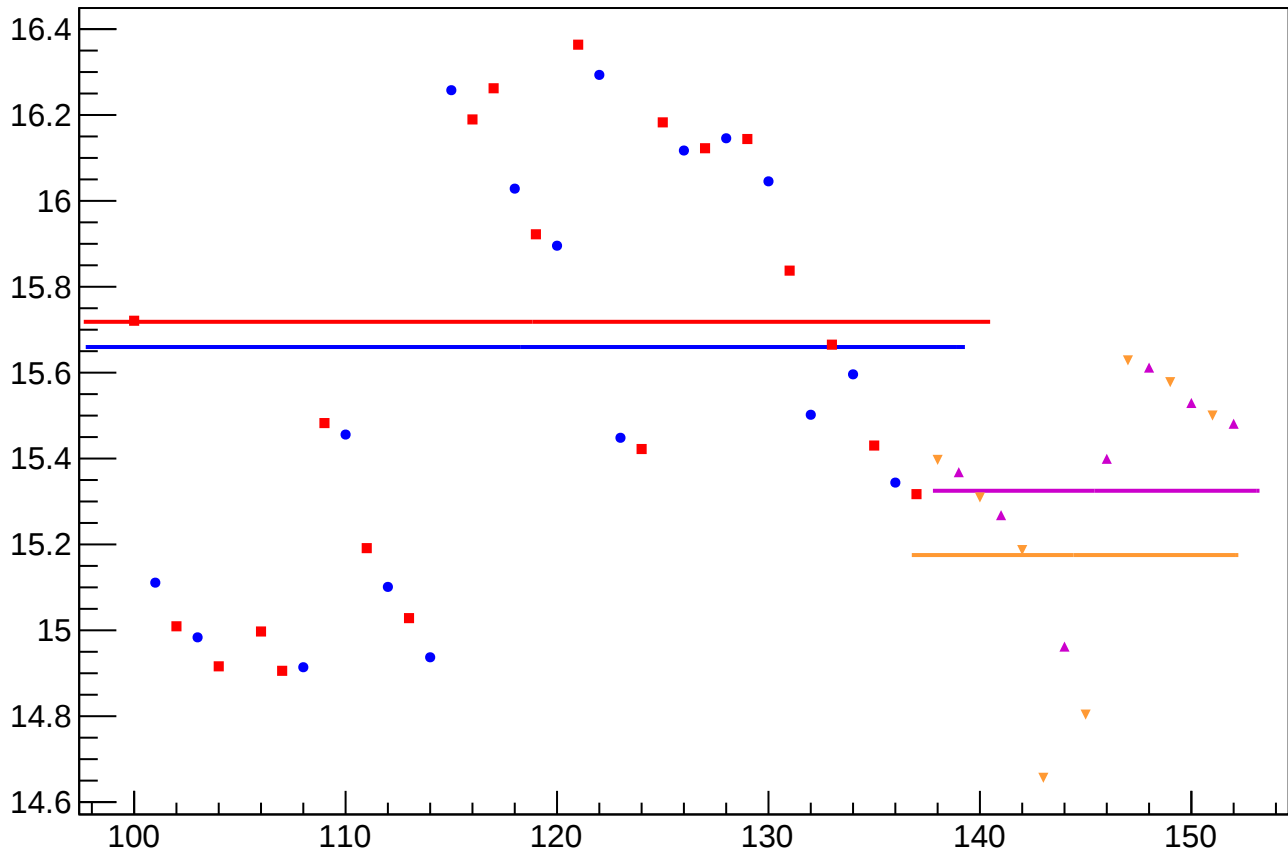
Left In: 277.399 $\pm$ 0.083 χ^2/NDF : 271392.5/6

223.783 $\pm$ 0.049 χ^2/NDF : 4064326.7/24

212.902 $\pm$ 0.033 χ^2/NDF : 9659410.6/51

203.670 $\pm$ 0.045 χ^2/NDF : 5505152.4/26

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

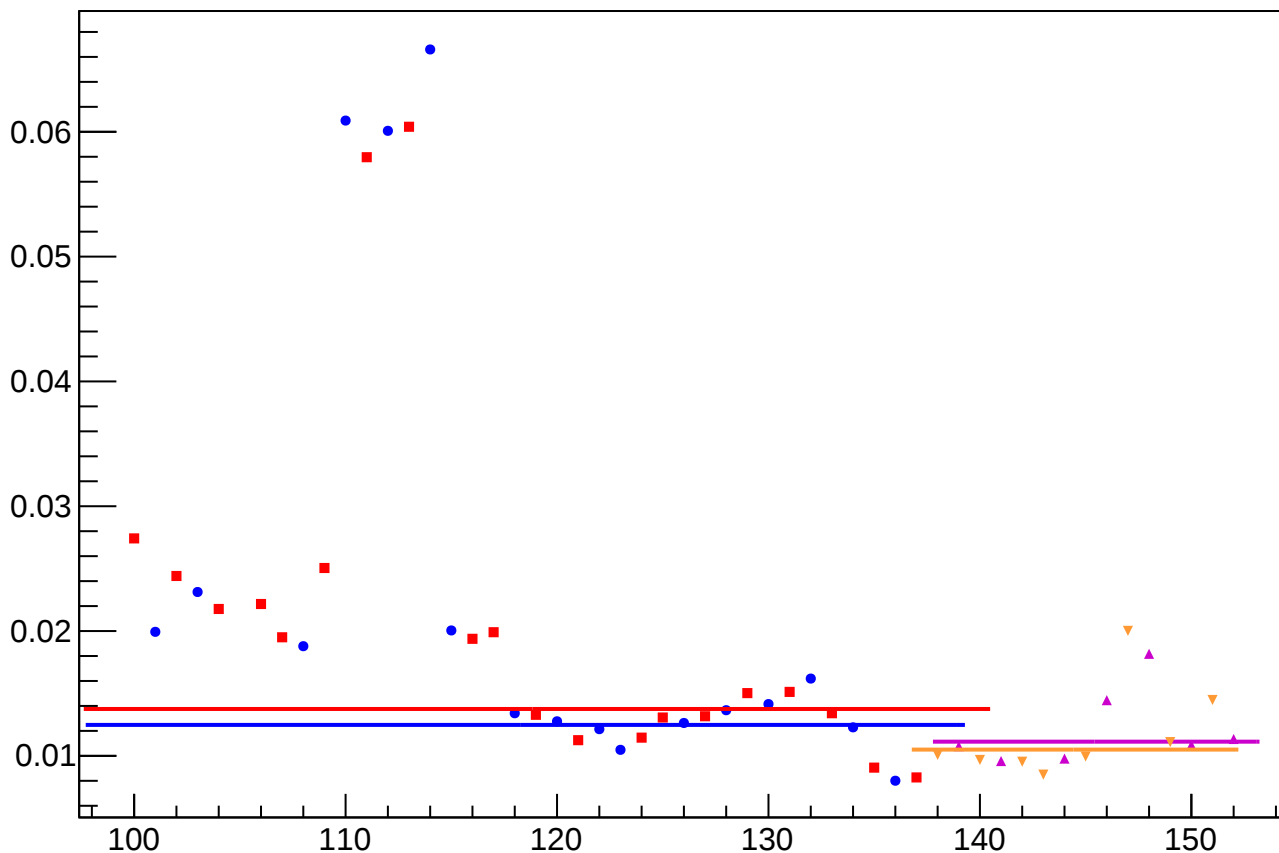
Left In: 15.325 ± 0.000 χ^2/NDF : 1816946430.2/6

15.376 ± 0.000 χ^2/NDF : 15895359460.4/24

15.428 ± 0.000 χ^2/NDF : 26306741617.0/24

15.485 ± 0.000 χ^2/NDF : 9968095324.8/26

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

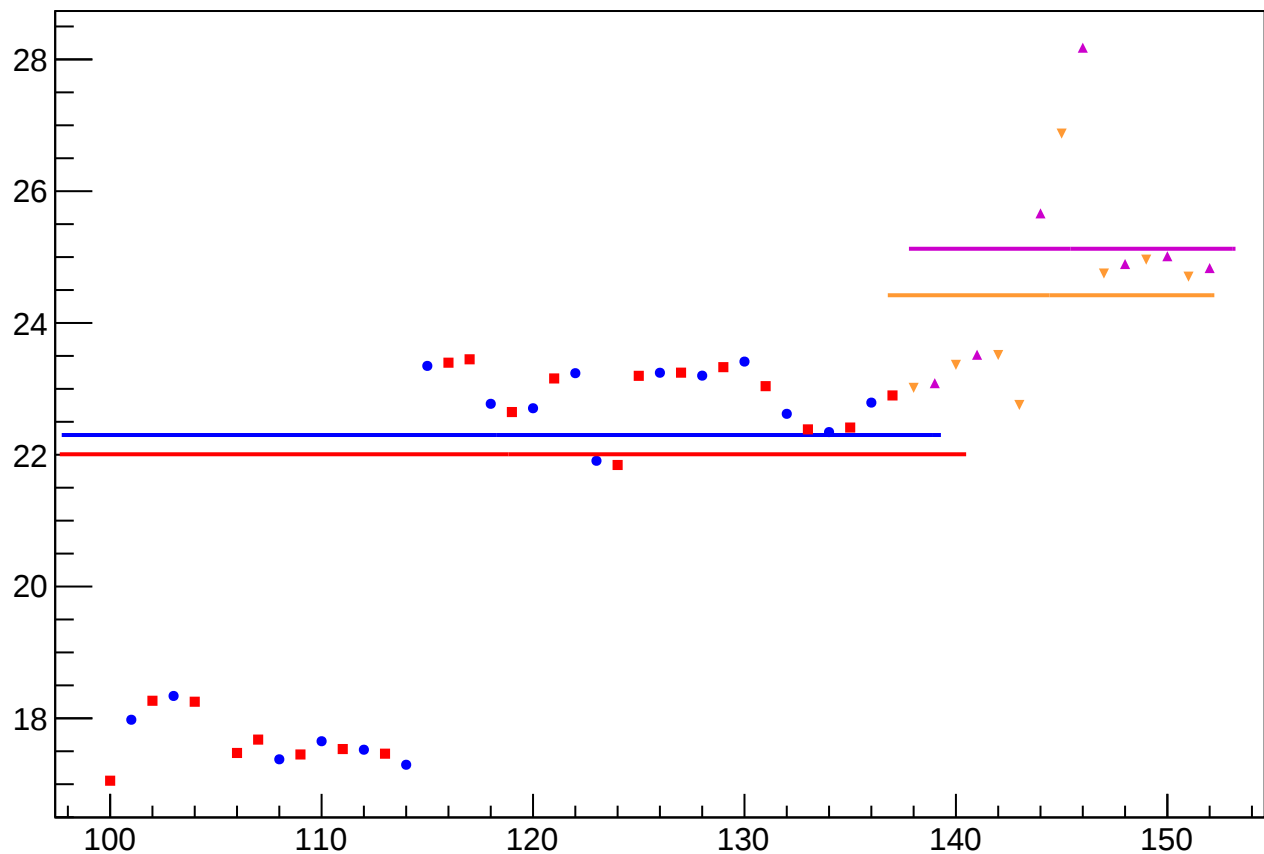
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:382276.3/6

0.011 $\pm$ 0.000 χ^2 /NDF: 2852011.4/24

0.012 $\pm$ 0.000 χ^2 /NDF: 5613160.4/51

0.012 $\pm$ 0.000 χ^2 /NDF: 2703049.7/26

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

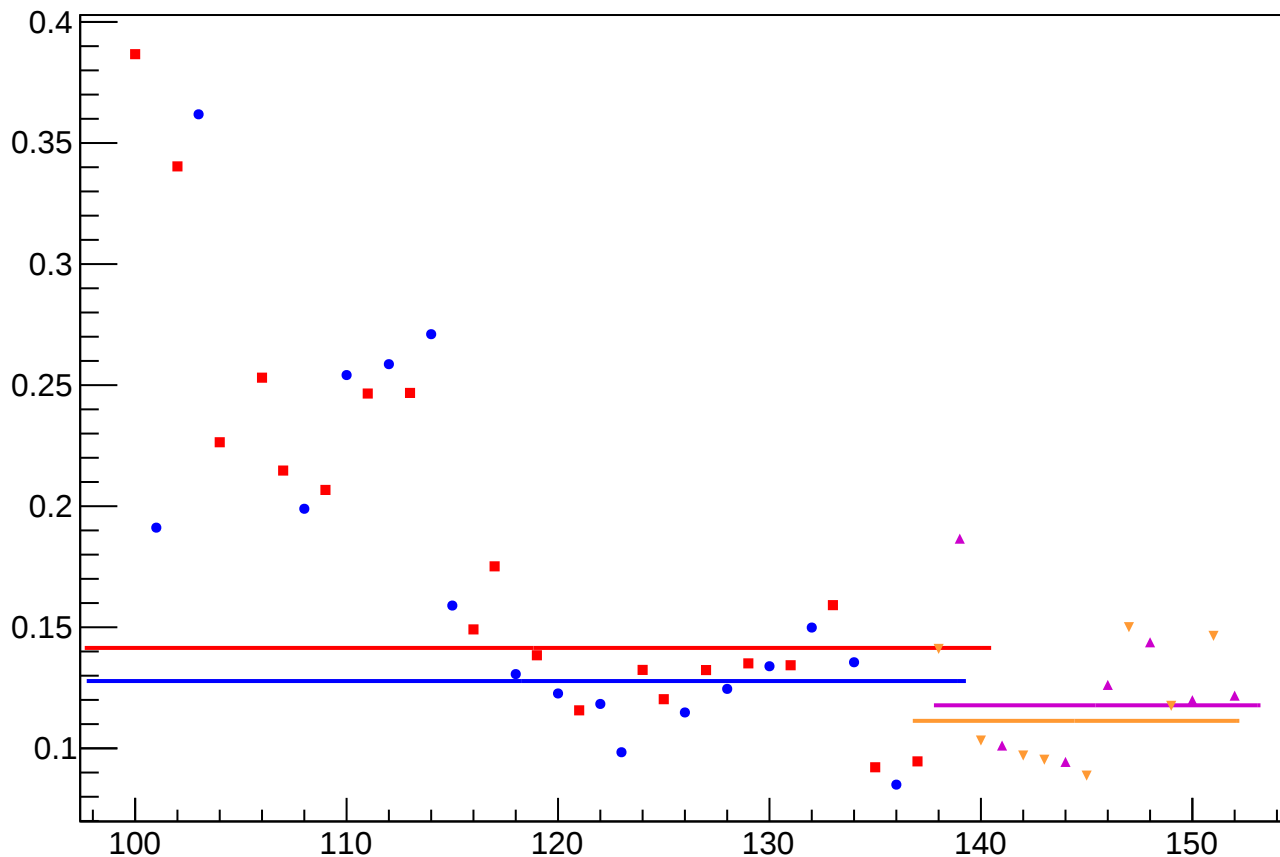
Left In: 25.126+/-0.000 χ^2/NDF : 693897430.6/6

23.469+/-0.000 χ^2/NDF : 2516529224.0/24

23.598+/-0.000 χ^2/NDF : 5802030641.1/5

23.742+/-0.000 χ^2/NDF : 3261105553.8/26

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

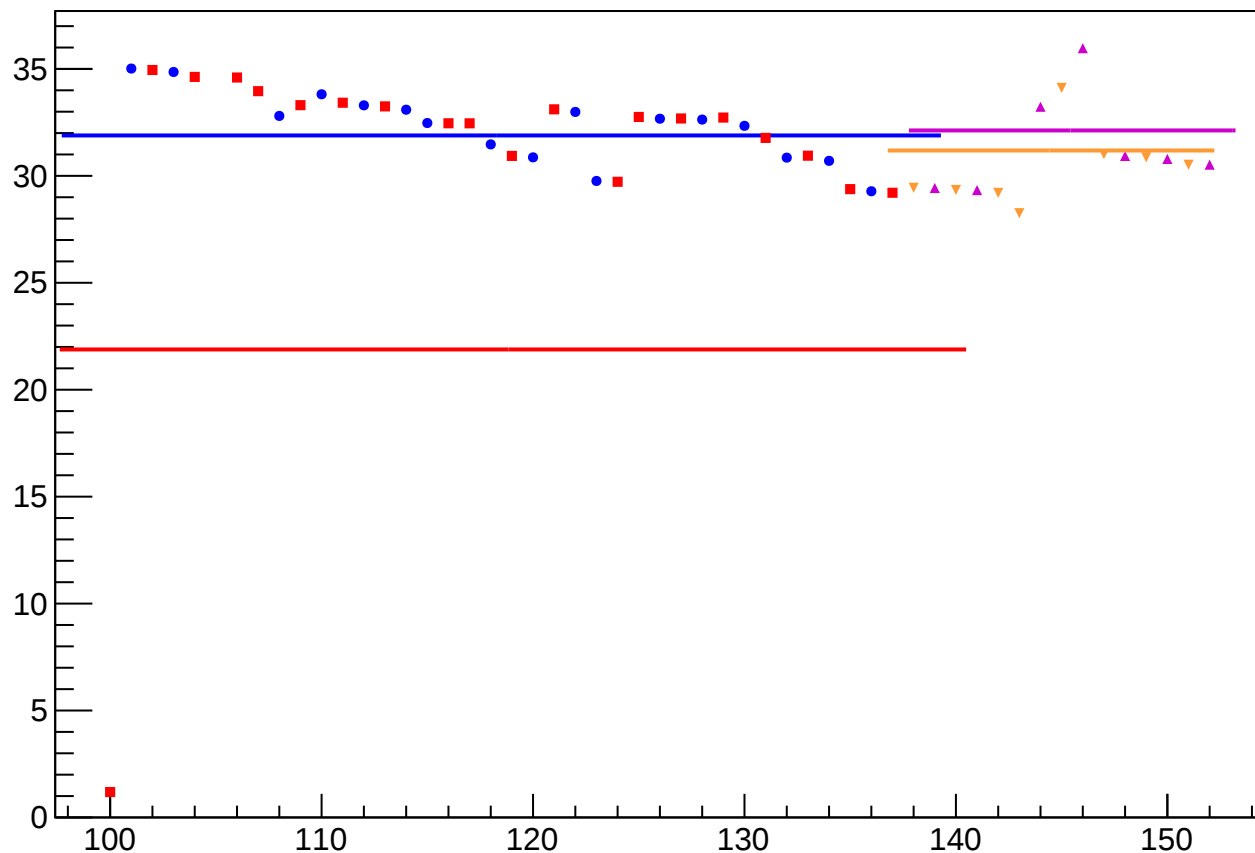
Left In: 0.118+/-0.000 χ^2/NDF : 376796.5/6

0.119+/-0.000 χ^2/NDF : 1956204.0/24

0.123+/-0.000 χ^2/NDF : 4018083.6/51

0.128+/-0.000 χ^2/NDF : 2001965.7/26

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

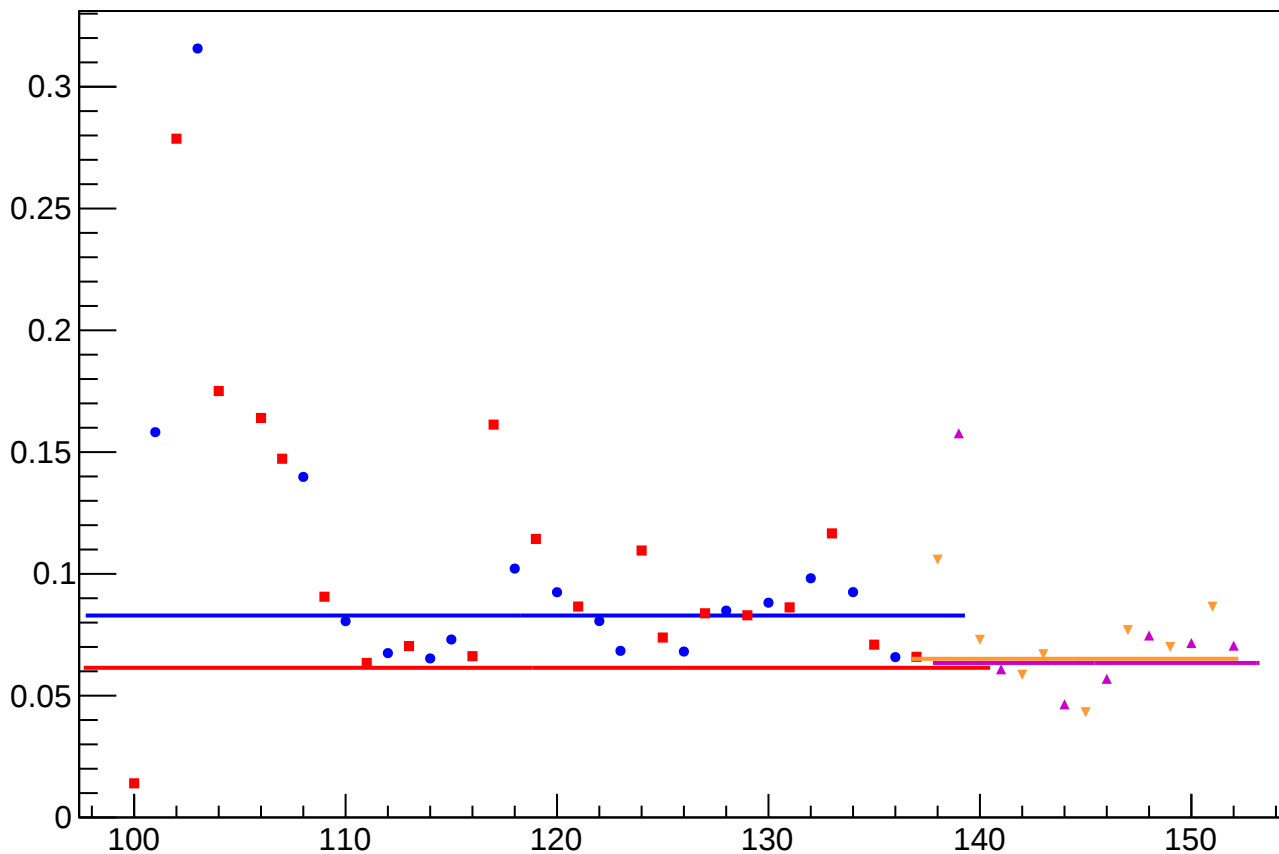
Left In: 32.123+/-0.000 χ^2/NDF : 5212040147.8/6

31.487+/-0.000 χ^2/NDF : 6319437145.3/24

28.925+/-0.000 χ^2/NDF : 315931472829.3

26.872+/-0.000 χ^2/NDF : 289917262687.4/26

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

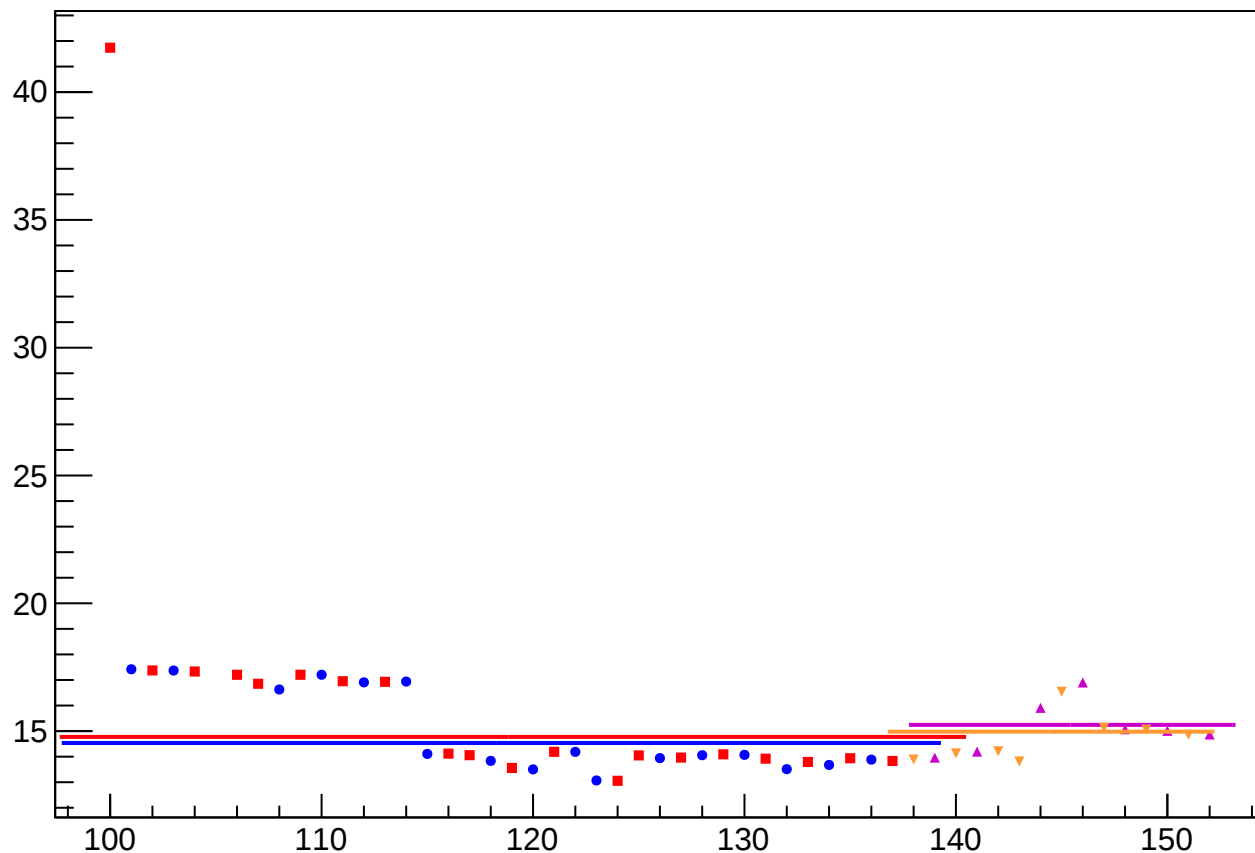
Left In: 0.063+/-0.000 χ^2/NDF : 743219.4/6

0.073+/-0.000 χ^2/NDF : 2003233.4/24

0.067+/-0.000 χ^2/NDF : 6583861.6/51

0.062+/-0.000 χ^2/NDF : 4382991.1/26

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

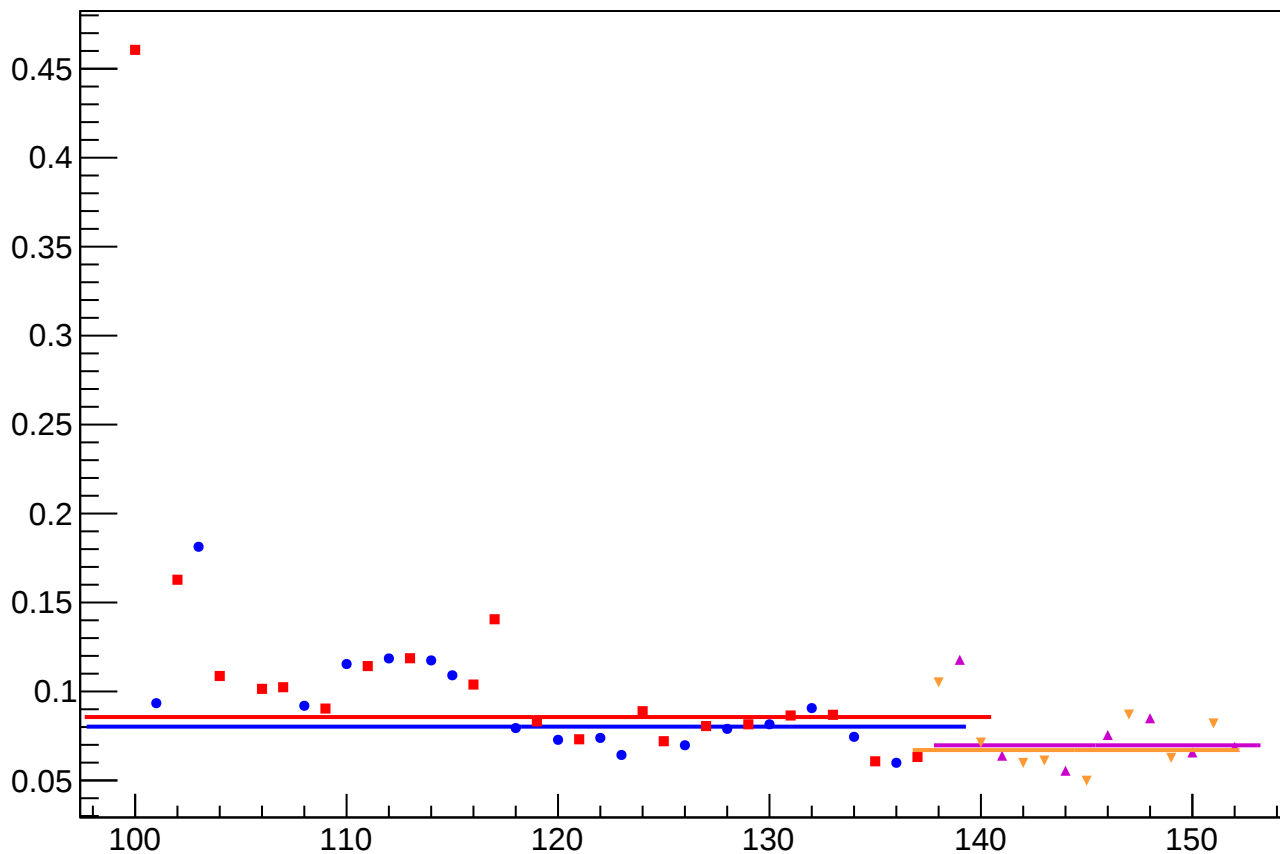
Left In: 15.244+/-0.000 χ^2/NDF : 704572483.7/6

14.773+/-0.000 χ^2/NDF : 2505100919.8/24

14.897+/-0.000 χ^2/NDF : 5253669885.7/5

15.028+/-0.000 χ^2/NDF : 2689726571.5/26

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.080+/-0.000 χ^2/NDF : 778734.5/16

Left Out: 0.067+/-0.000 χ^2/NDF : 456048.0/7

Right Out: 0.086+/-0.000 χ^2/NDF : 750289.2/19

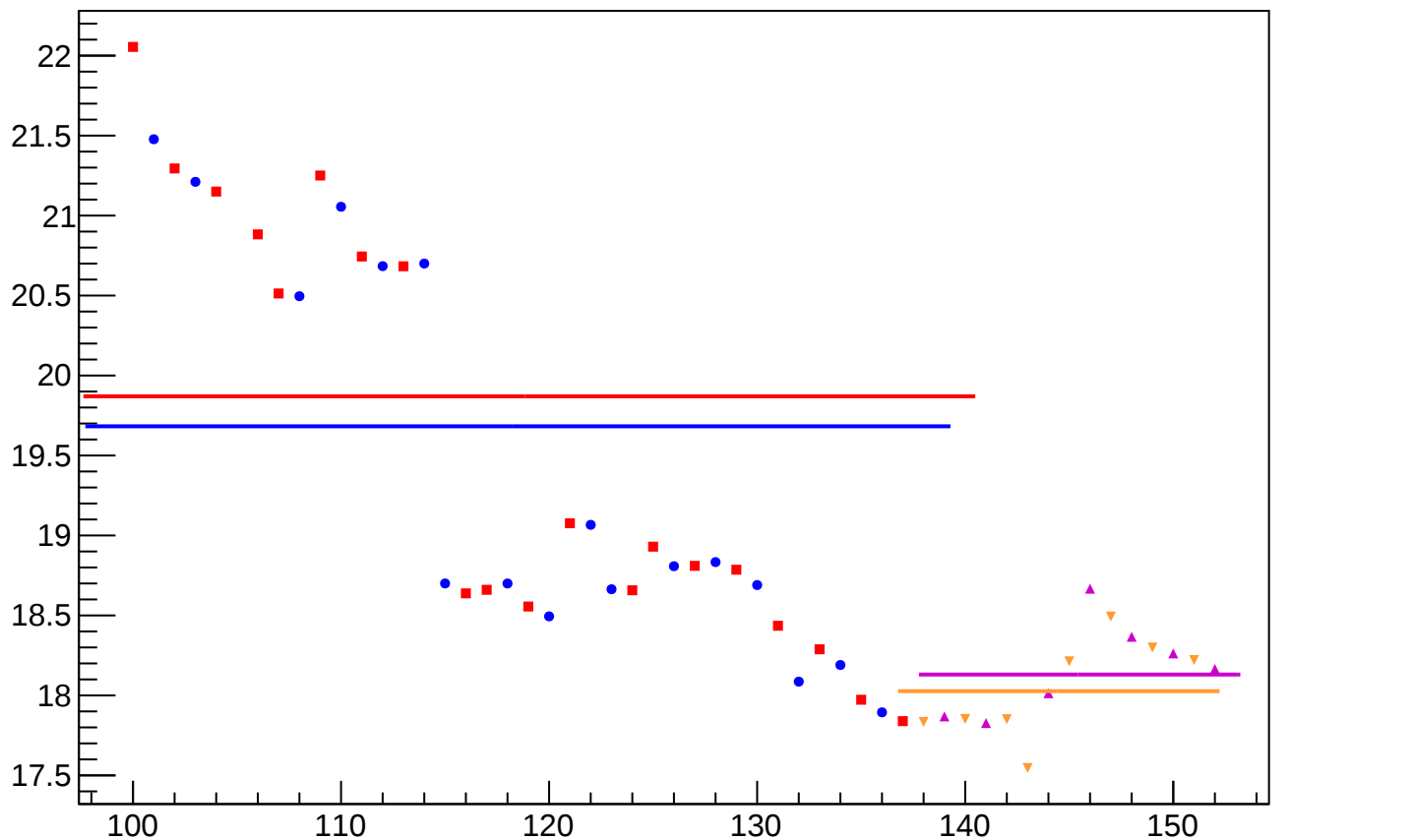
Left In: 0.070+/-0.000 χ^2/NDF : 390689.4/6

0.073+/-0.000 χ^2/NDF : 1394372.3/24

0.075+/-0.000 χ^2/NDF : 2782830.8/51

0.077+/-0.000 χ^2/NDF : 1361785.5/26

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

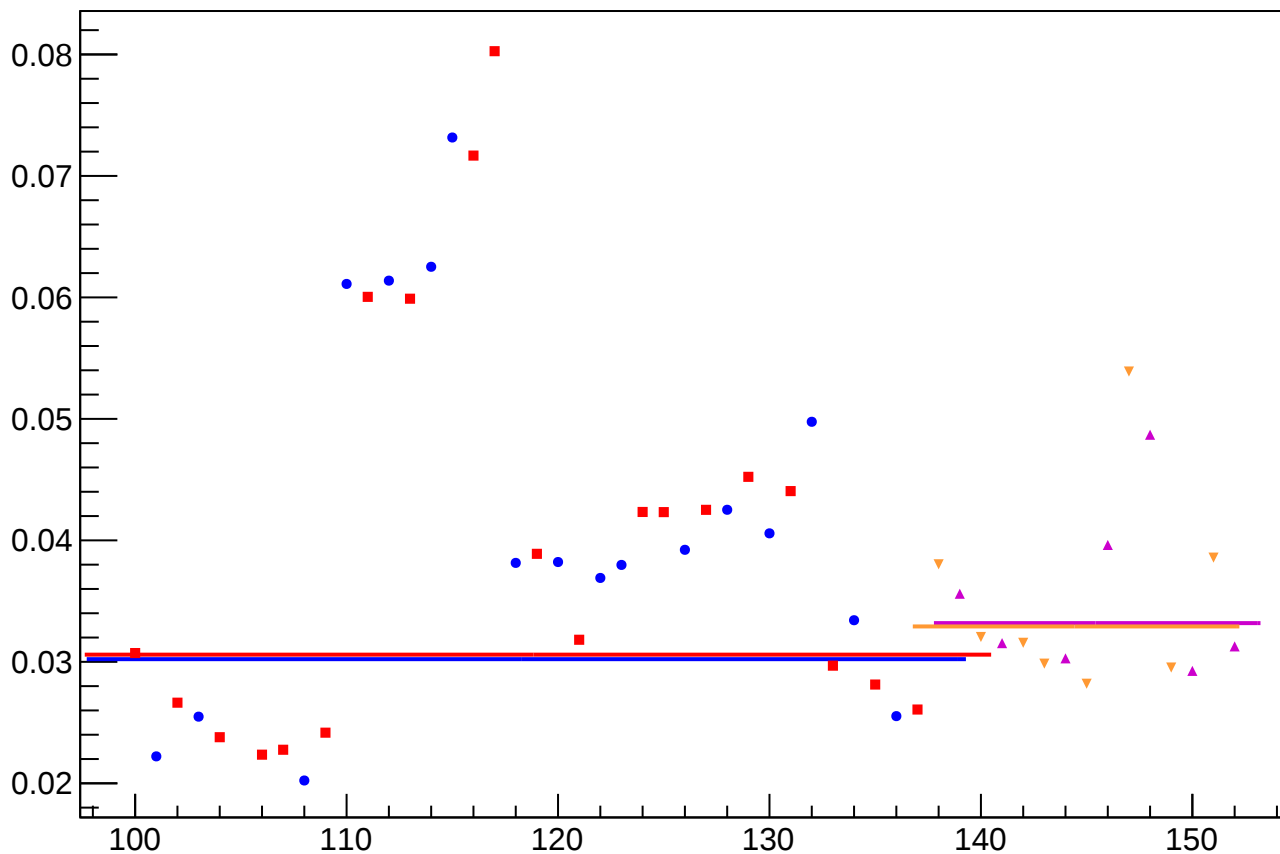
Left In: 18.131+/-0.000 χ^2/NDF : 298091418.6/6

18.948+/-0.000 χ^2/NDF : 20097534980.4/24

19.032+/-0.000 χ^2/NDF : 40201852407.9/24

19.114+/-0.000 χ^2/NDF : 19951920410.9/26

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

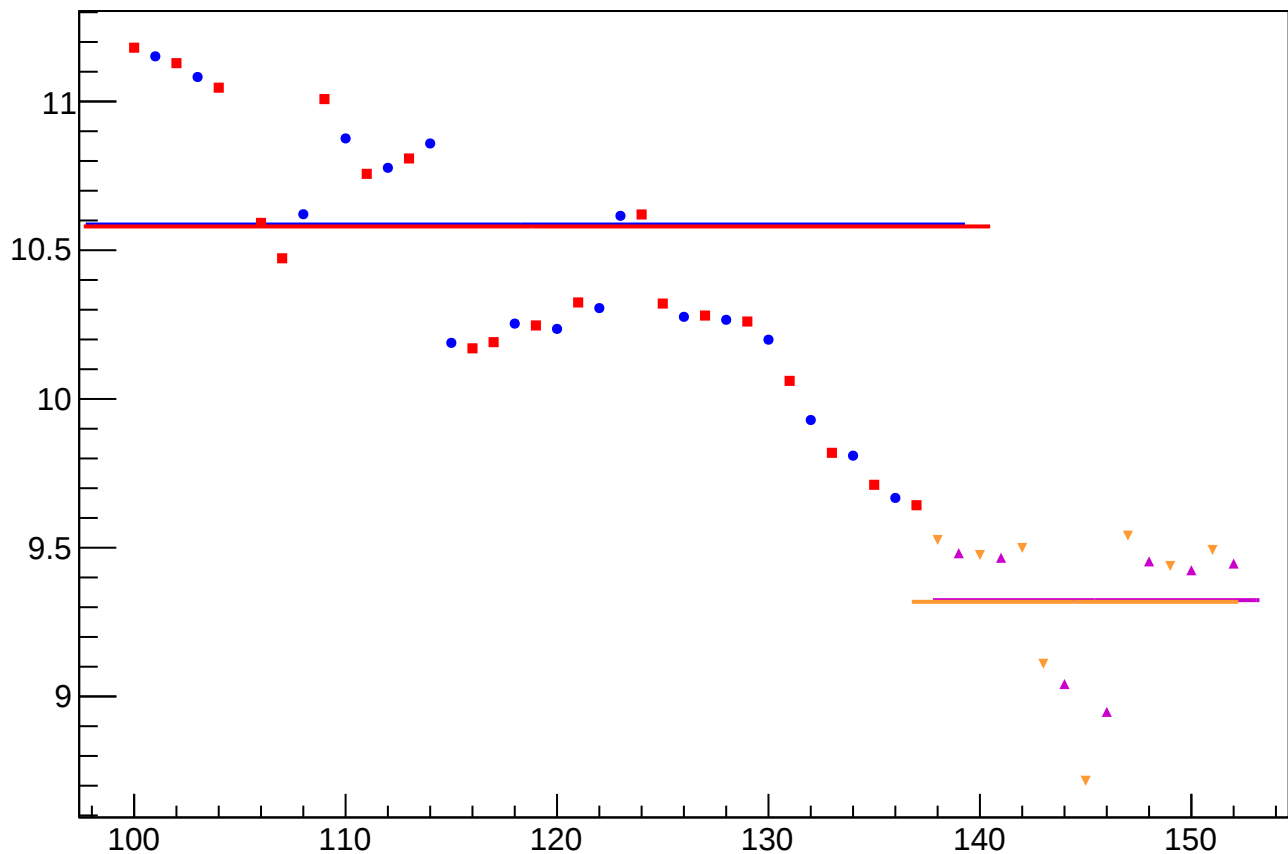
Left In: 0.033+/-0.000 χ^2/NDF : 256591.9/6

0.031+/-0.000 χ^2/NDF : 1724858.4/24

0.032+/-0.000 χ^2/NDF : 3238758.0/51

0.032+/-0.000 χ^2/NDF : 1512864.0/26

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.586 $\pm$ 0.000 χ^2/NDF : 7420104563.4/16

Left Out: 9.318 $\pm$ 0.000 χ^2/NDF : 1028820380.9/7

Right Out: 10.580 $\pm$ 0.000 χ^2/NDF : 5769007164.9/19

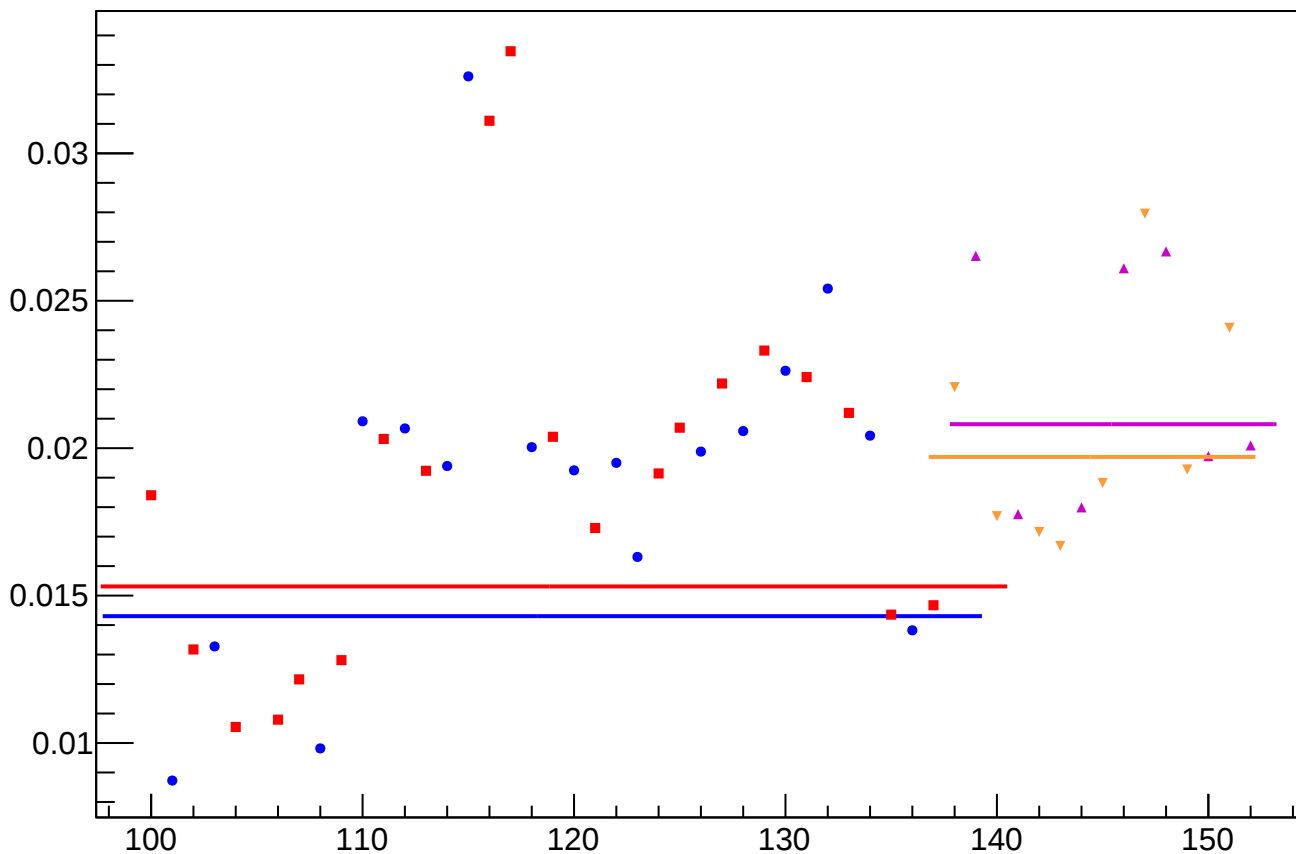
Left In: 9.324 $\pm$ 0.000 χ^2/NDF : 482398040.2/6

10.161 $\pm$ 0.000 χ^2/NDF : 22503005458.8/24

10.169 $\pm$ 0.000 χ^2/NDF : 41511323466.8/24

10.179 $\pm$ 0.000 χ^2/NDF : 19002192013.5/26

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 1408012.0/16

Left Out: 0.020 $\pm$ 0.000 χ^2/NDF : 272716.1/7

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1011477.2/19

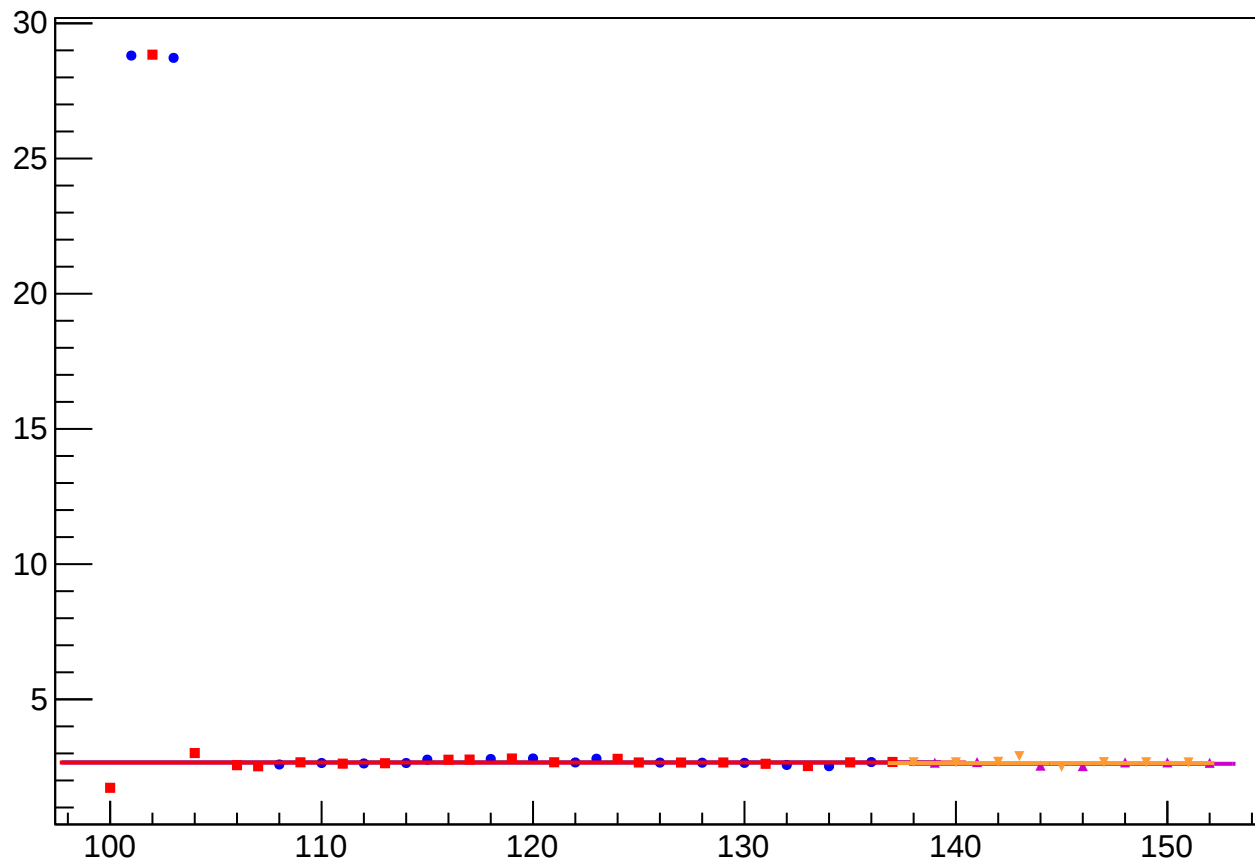
Left In: 0.021 $\pm$ 0.000 χ^2/NDF : 288842.6/6

0.016 $\pm$ 0.000 χ^2/NDF : 2190543.2/24

0.017 $\pm$ 0.000 χ^2/NDF : 4014947.7/51

0.017 $\pm$ 0.000 χ^2/NDF : 1789752.3/26

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

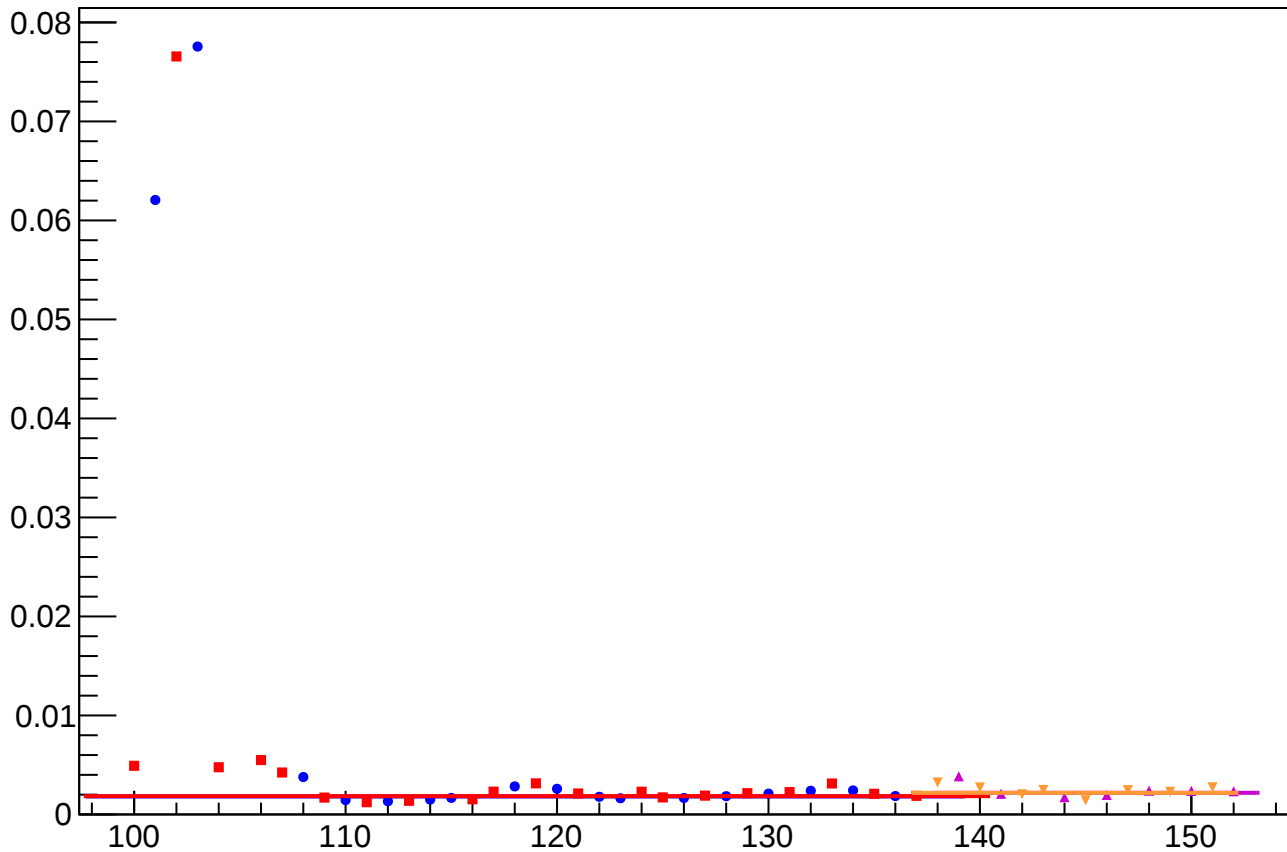
Left In: 2.616 $\pm$ 0.000 χ^2 /NDF: 3783105527.3/6

2.657 $\pm$ 0.000 χ^2 /NDF: 174806926413.7/24

2.651 $\pm$ 0.000 χ^2 /NDF: 250533492672.6/24

2.645 $\pm$ 0.000 χ^2 /NDF: 75564104388.0/26

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

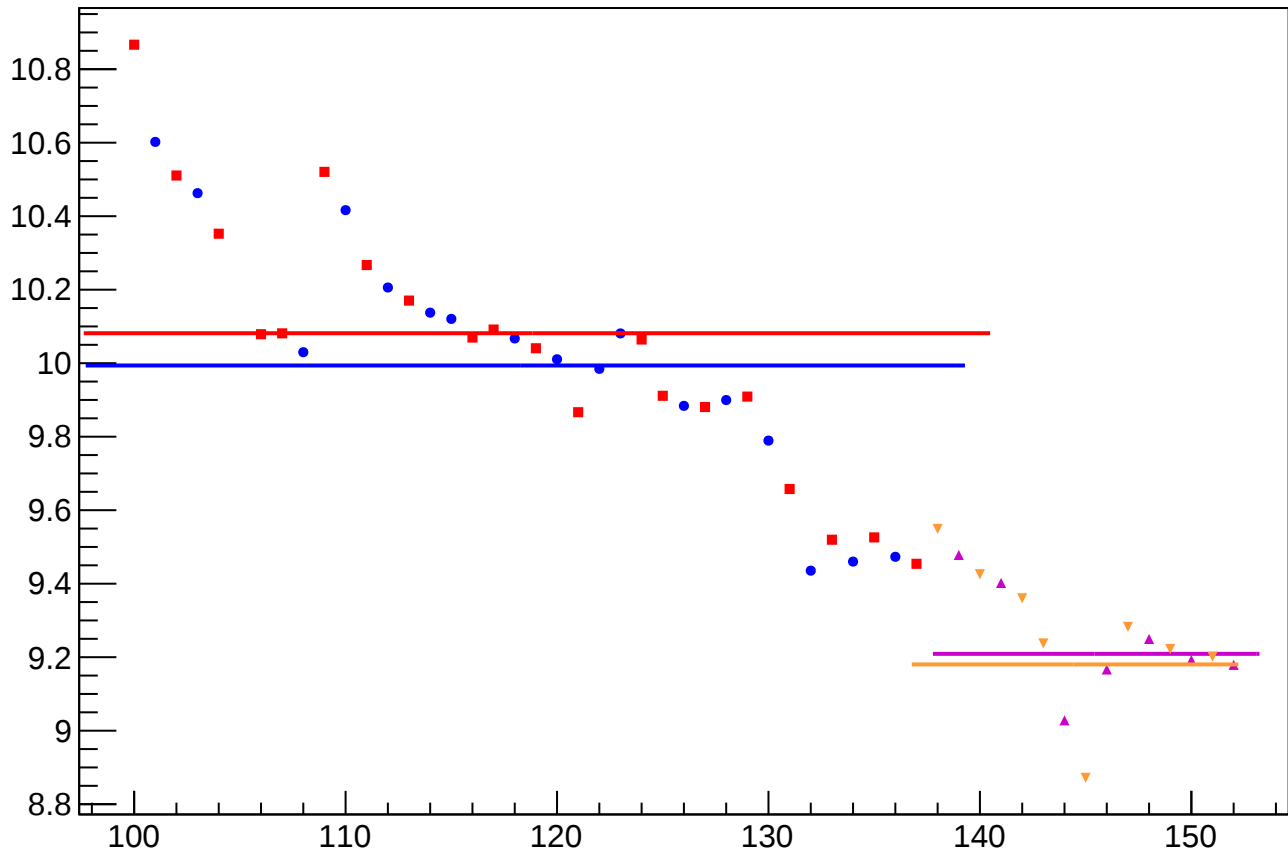
Left In: 0.002+/-0.000 χ^2/NDF : 391781.5/6

0.002+/-0.000 χ^2/NDF : 3395422.8/24

0.002+/-0.000 χ^2/NDF : 6252000.8/51

0.002+/-0.000 χ^2/NDF : 2855764.5/26

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

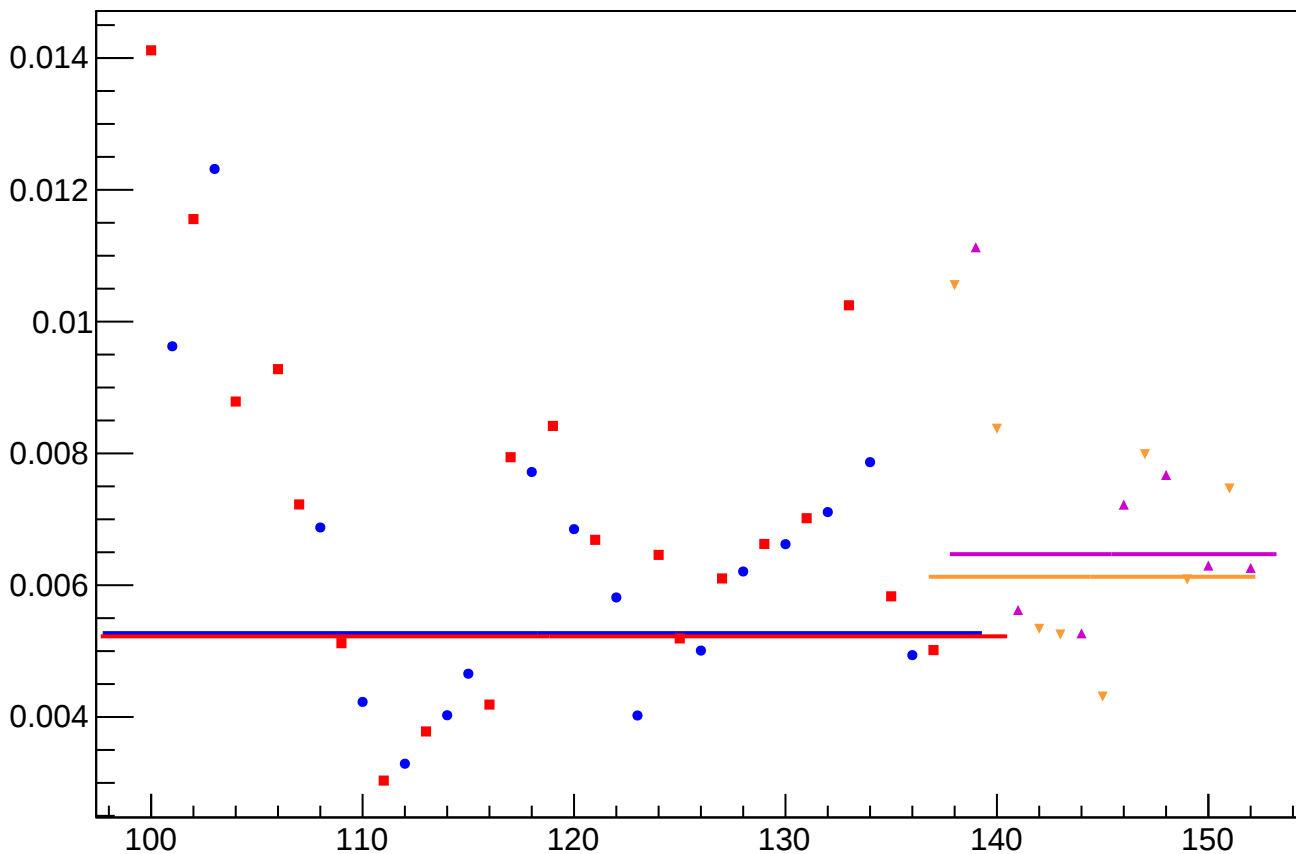
Right Out: 10.082+/-0.000 χ^2/NDF : 15502760782.3/19

9.724+/-0.000 χ^2/NDF : 140837779395.8/

9.768+/-0.000 χ^2/NDF : 70060671165.2/26

Left In: 9.209+/-0.000 χ^2/NDF : 1890186590.0/6

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

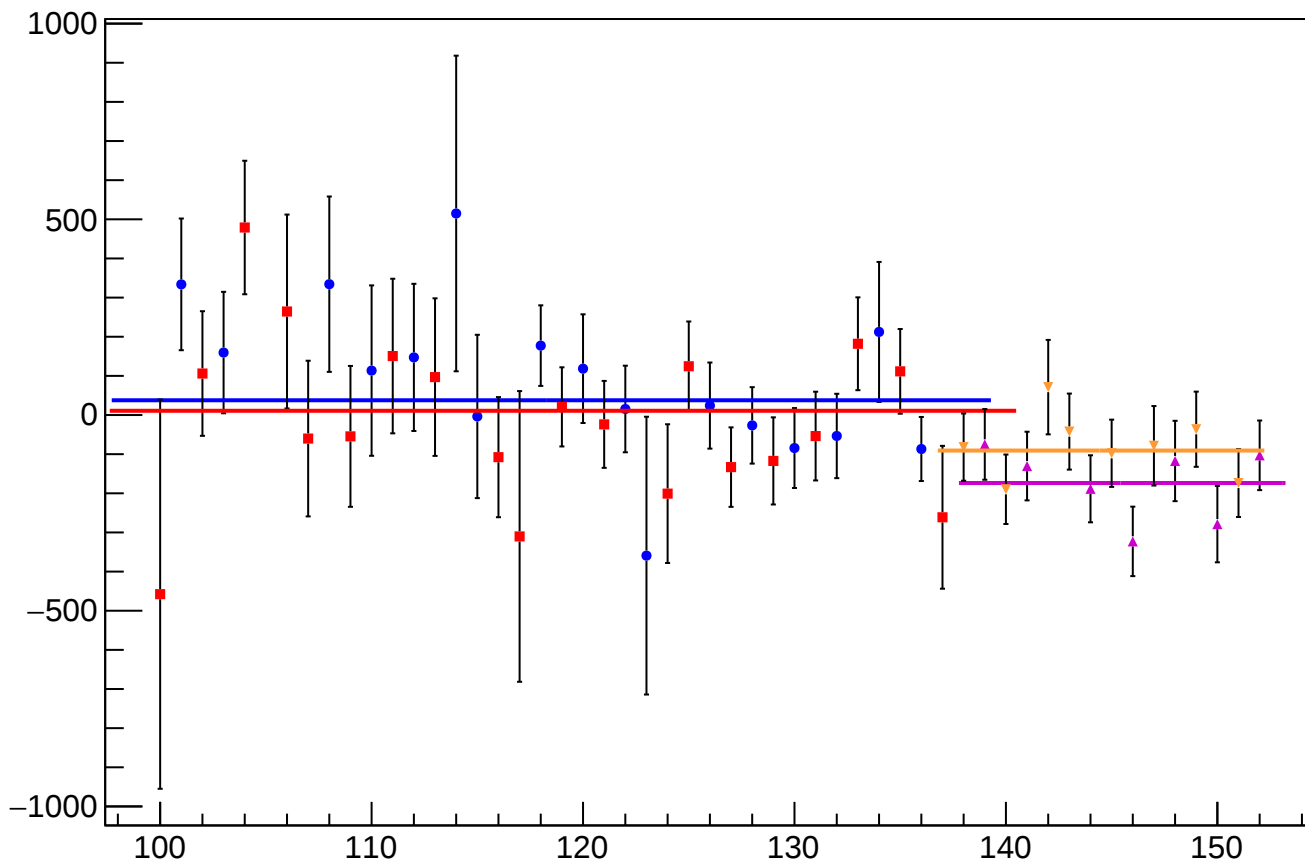
Left In: 0.006+/-0.000 χ^2/NDF : 382322.6/6

0.006+/-0.000 χ^2/NDF : 1996199.1/24

0.006+/-0.000 χ^2/NDF : 4262706.4/51

0.006+/-0.000 χ^2/NDF : 2265123.4/26

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

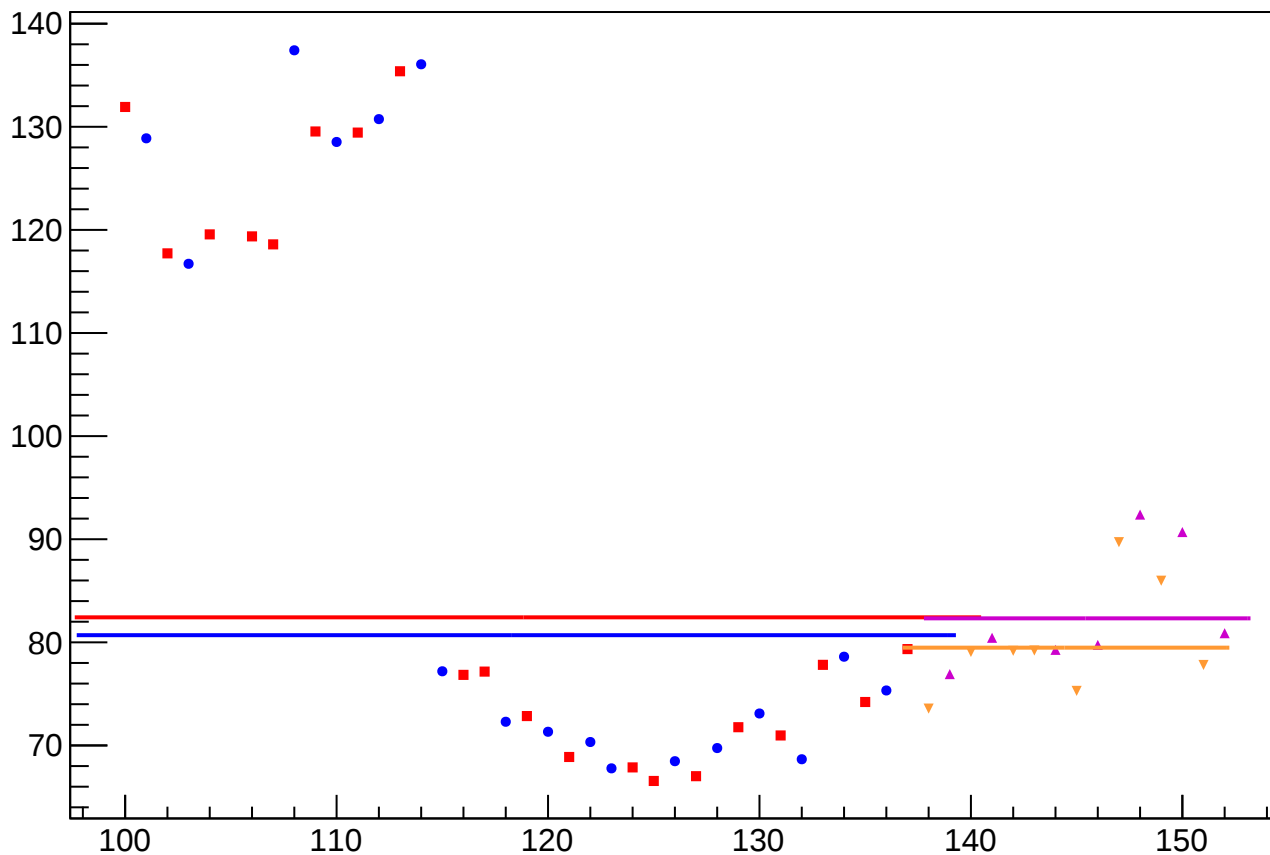
Left In: -173.640 $\pm$ 34.451 χ^2/NDF : 6.4/6

-24.790 $\pm$ 23.111 χ^2/NDF : 29.0/24

-49.274 $\pm$ 16.452 χ^2/NDF : 76.5/51

-74.429 $\pm$ 23.426 χ^2/NDF : 45.3/26

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

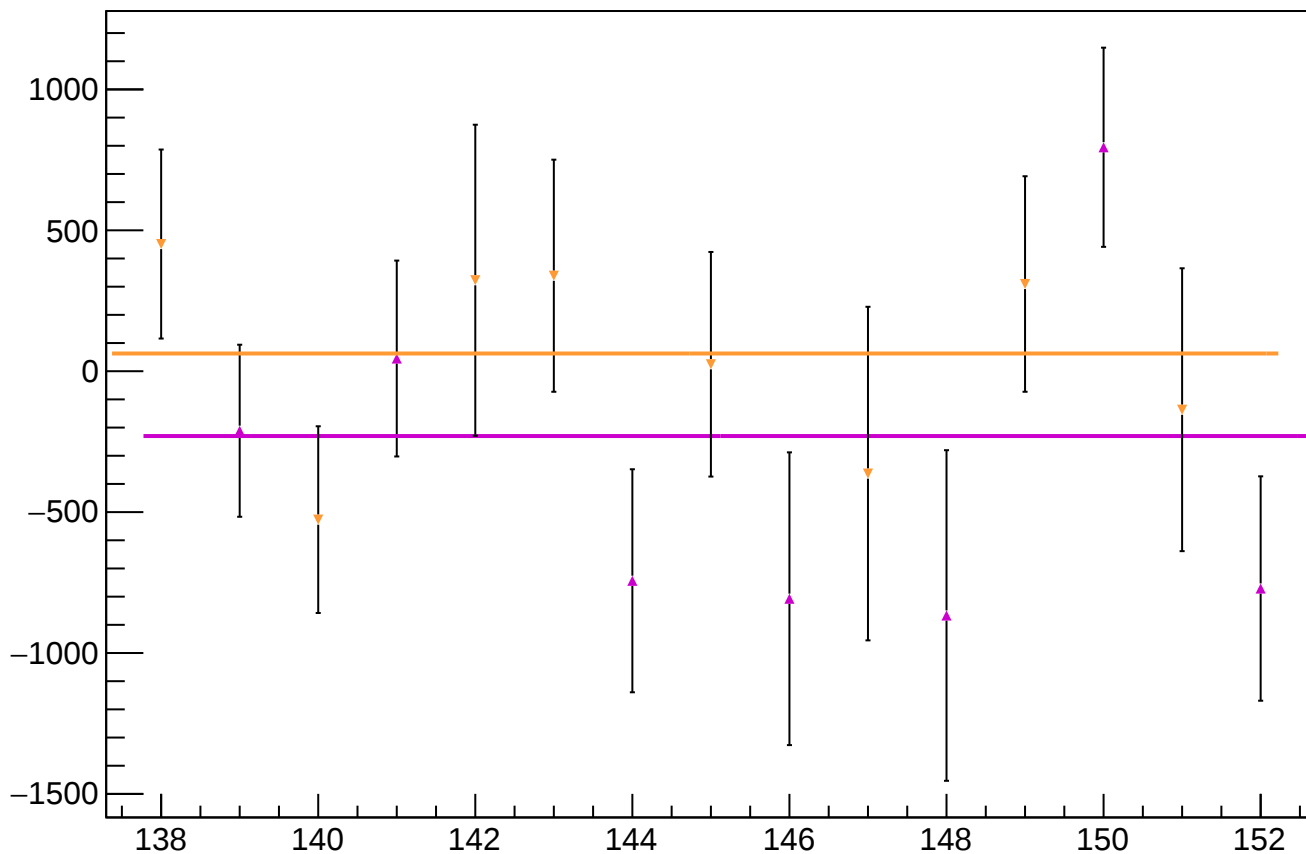
Left In: 82.327+/-0.024 χ^2/NDF : 46791.2/6

80.105+/-0.016 χ^2/NDF : 859917.0/24

81.227+/-0.012 χ^2/NDF : 1831548.3/51

82.379+/-0.017 χ^2/NDF : 962082.3/26

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

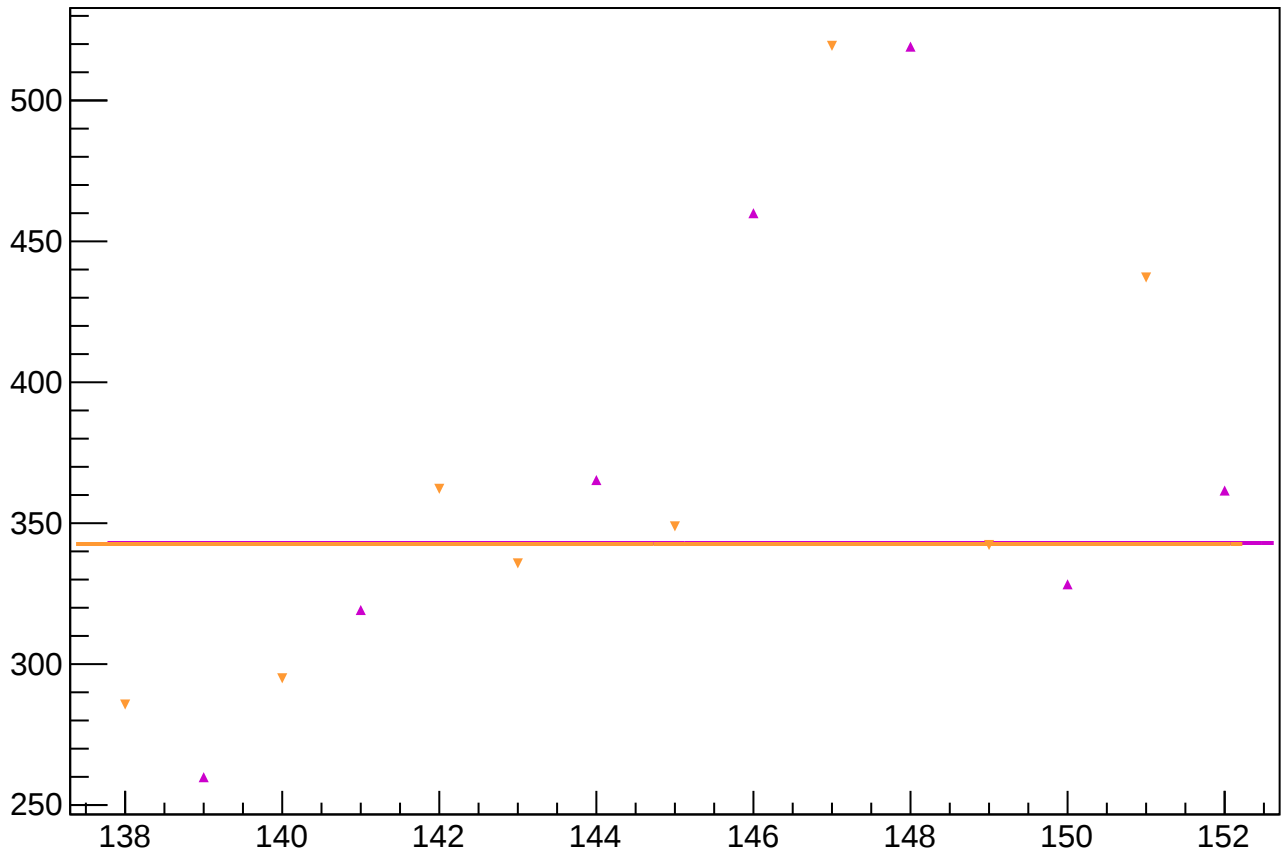
Left In: -230.058+/-146.931 χ^2/NDF : 15.0/6

62.874+/-145.647 χ^2/NDF : 6.3/7

-82.306+/-103.439 χ^2/NDF : 23.3/14

-230.058+/-146.931 χ^2/NDF : 15.0/6

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

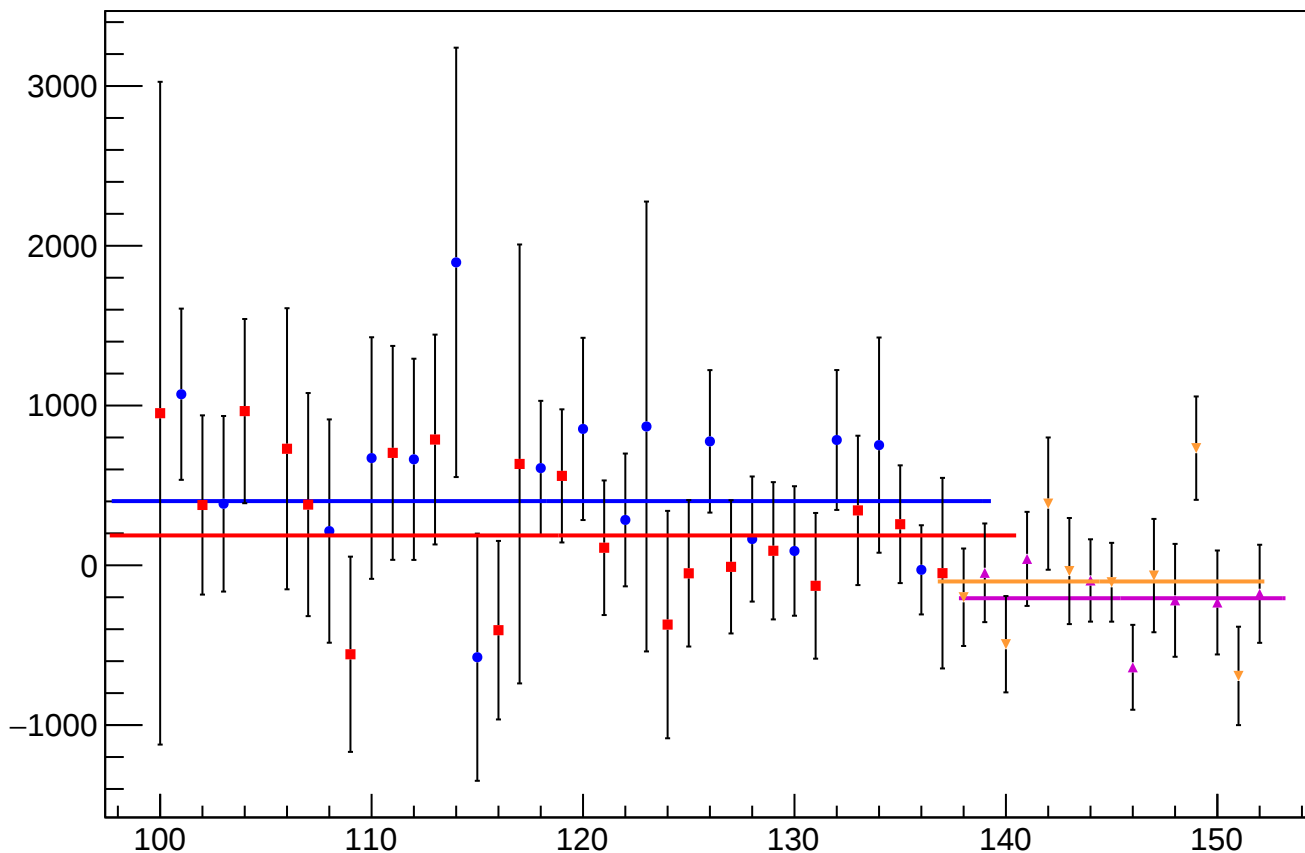
Left In: 342.977+/-0.104 χ^2/NDF : 453504.2/6

342.621+/-0.103 χ^2/NDF : 351989.6/7

342.797+/-0.073 χ^2/NDF : 805499.7/14

342.977+/-0.104 χ^2/NDF : 453504.2/6

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 401.871 ± 121.048 χ^2/NDF : 10.9/16

Left Out: -101.149 ± 111.024 χ^2/NDF : 13.6/7

Right Out: 186.914 ± 119.879 χ^2/NDF : 9.4/19

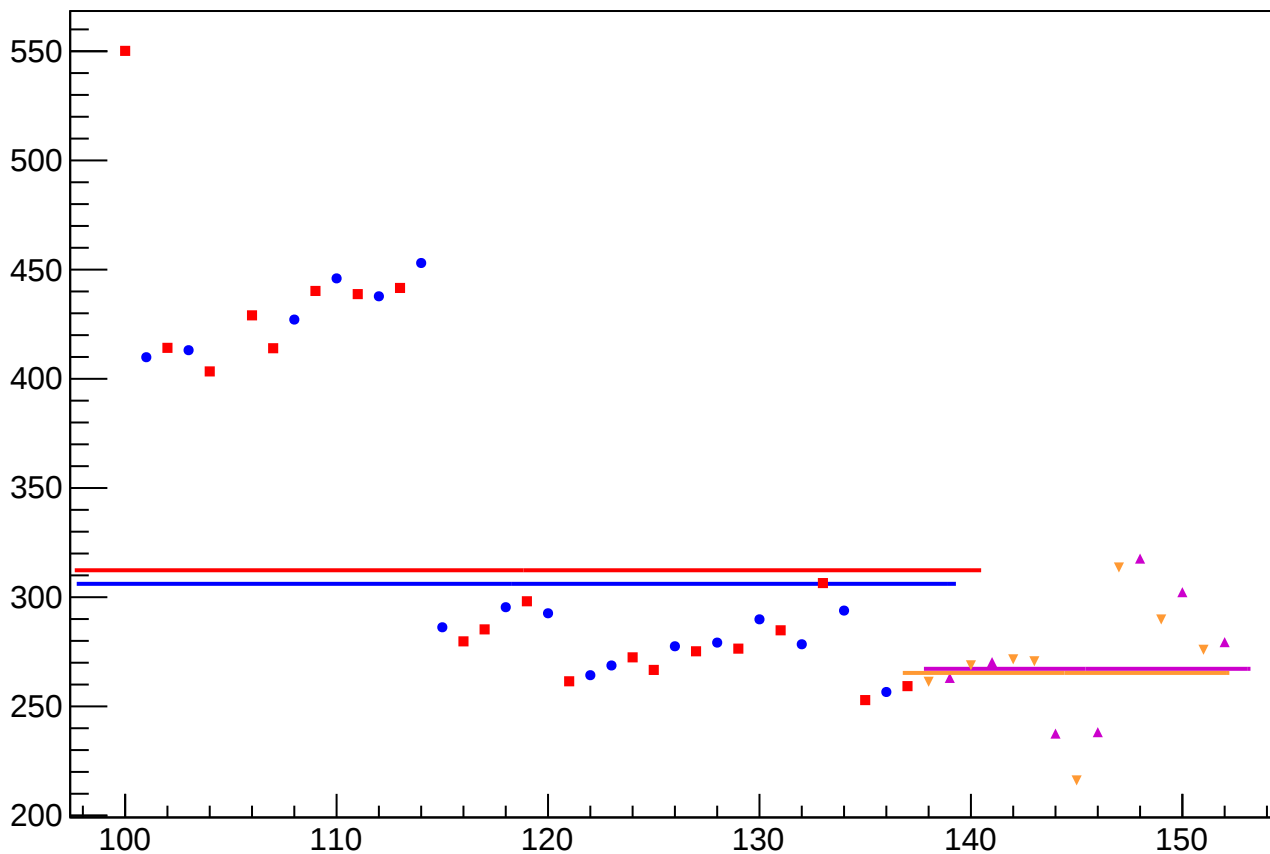
Left In: -206.092 ± 112.284 χ^2/NDF : 3.8/6

128.675 ± 81.820 χ^2/NDF : 33.8/24

53.242 ± 57.902 χ^2/NDF : 54.5/51

-22.432 ± 81.950 χ^2/NDF : 19.0/26

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

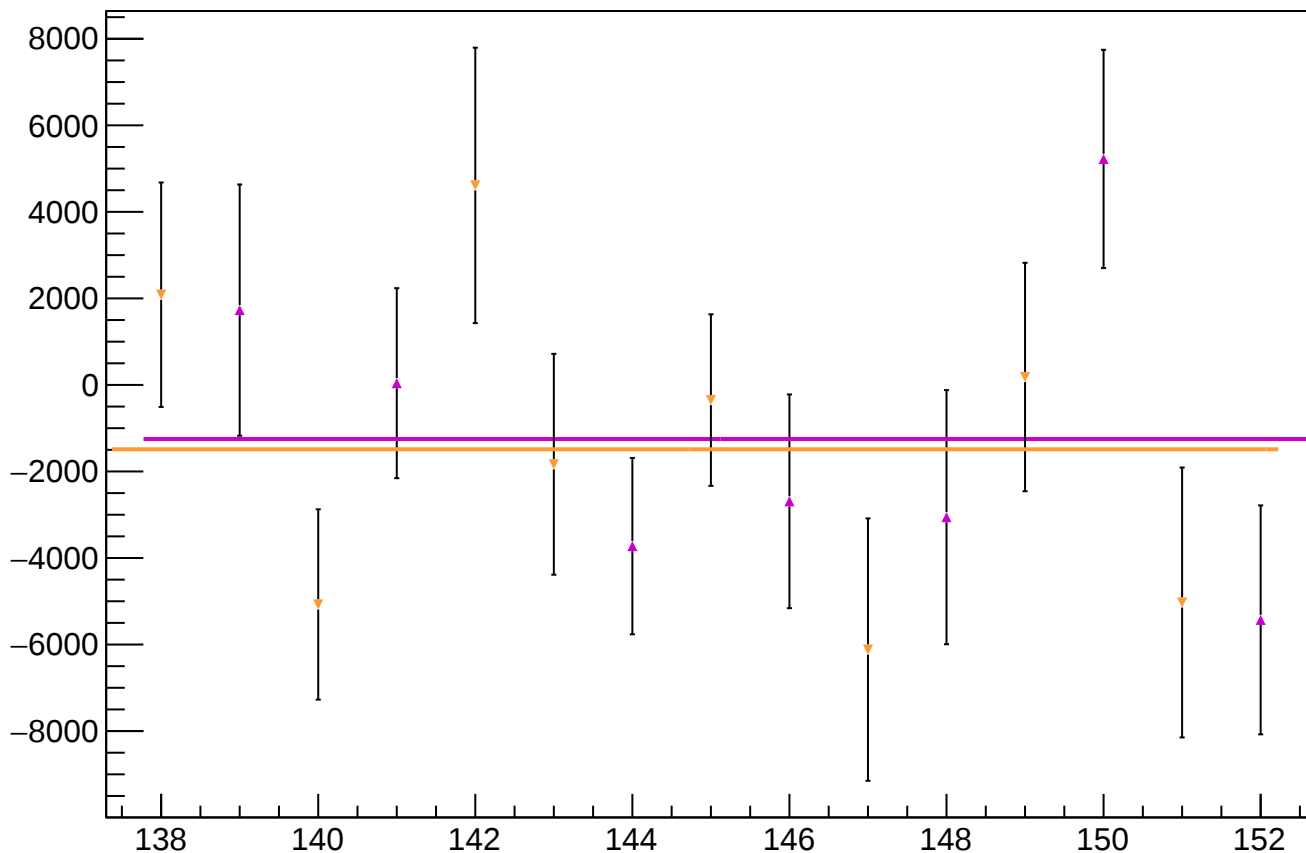
Left In: 267.209 +/- 0.079 χ^2/NDF : 118165.7/6

283.966 +/- 0.058 χ^2/NDF : 763917.4/24

286.128 +/- 0.041 χ^2/NDF : 1662394.4/51

288.297 +/- 0.058 χ^2/NDF : 895680.0/26

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

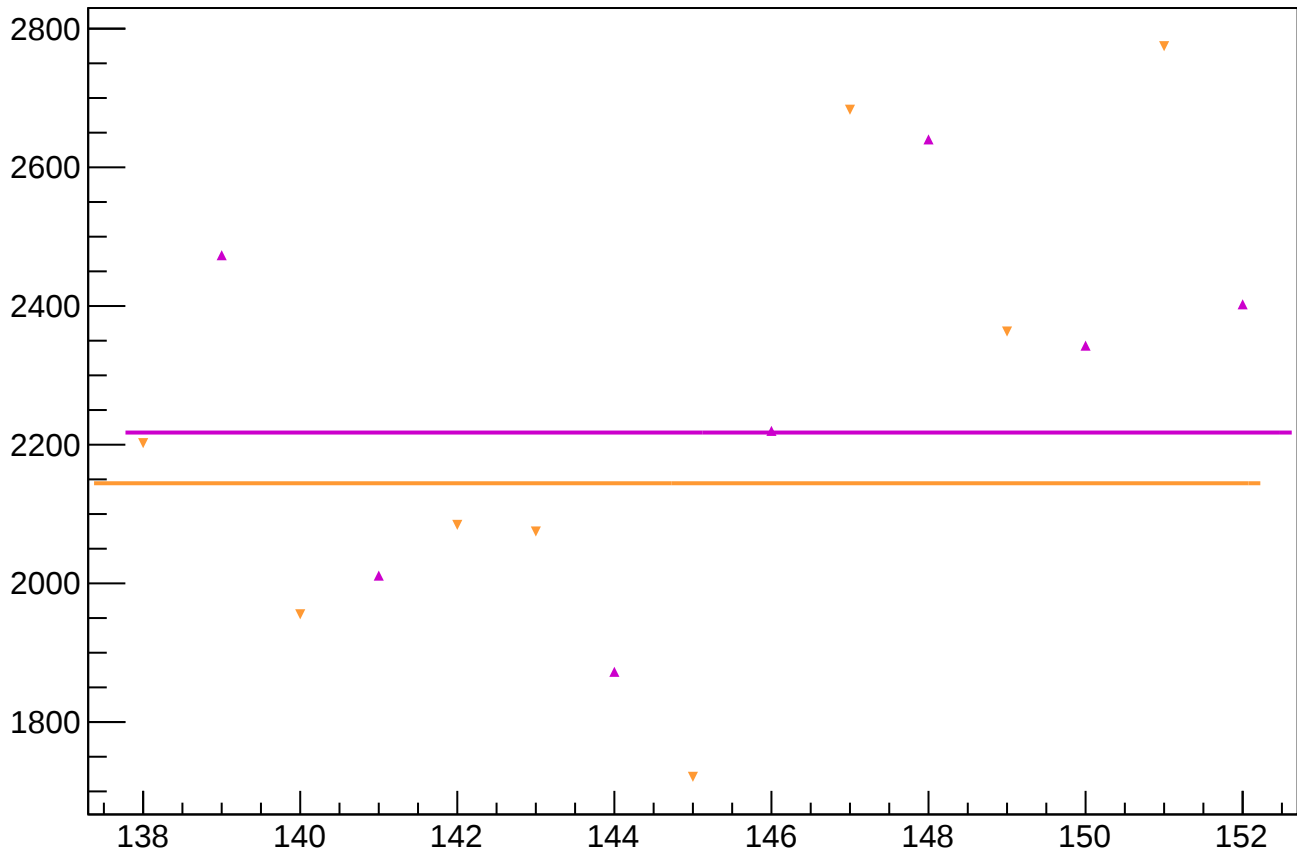
Left In: -1249.631+/-933.840 χ^2/NDF :12.7/6

-1487.468+/-906.468 χ^2/NDF : 12.6/7

-1372.086+/-650.431 χ^2/NDF : 25.3/14

-1249.631+/-933.840 χ^2/NDF : 12.7/6

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

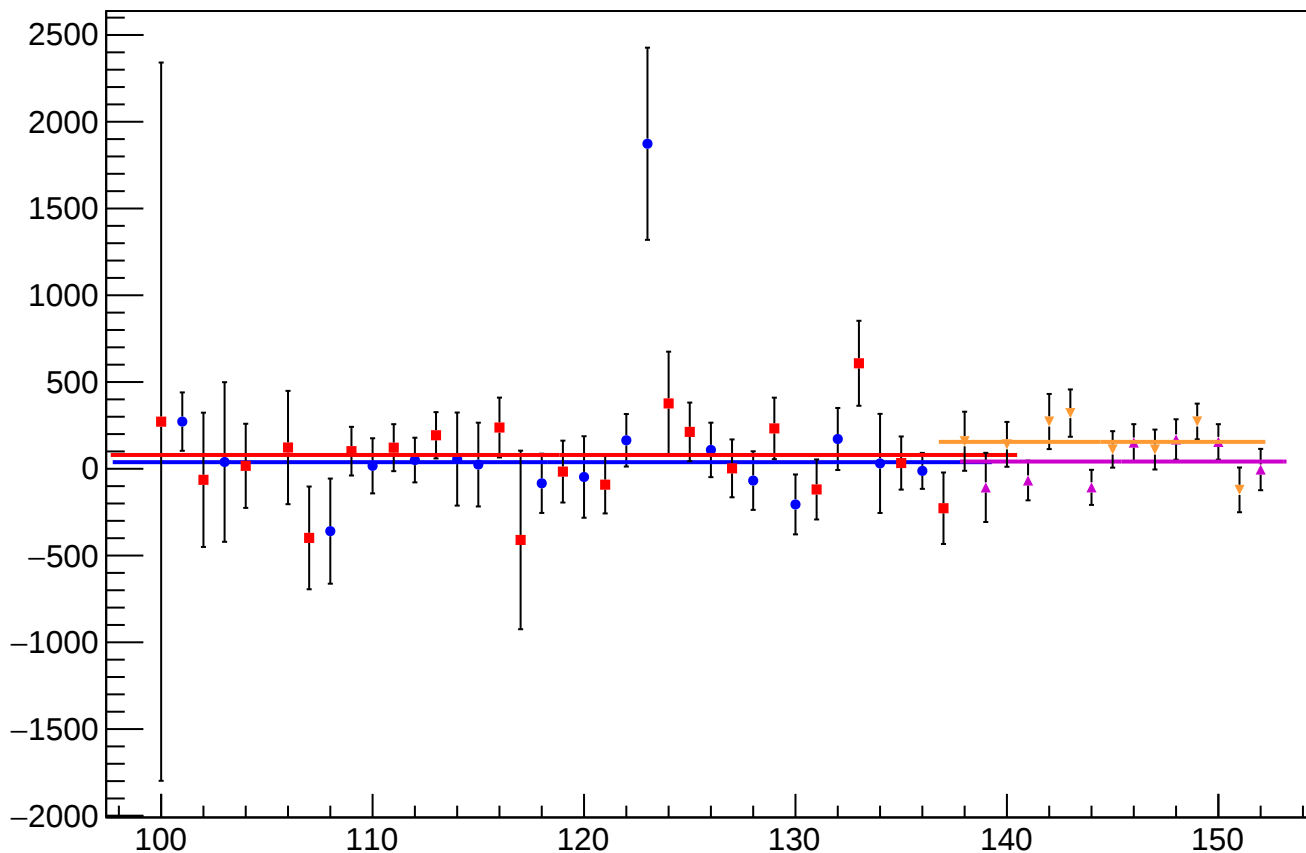
Left In: 2217.525+/-0.660 χ^2/NDF : 146664.3/6

2144.394+/-0.641 χ^2/NDF : 267675.4/7

2179.872+/-0.460 χ^2/NDF : 420654.9/14

2217.525+/-0.660 χ^2/NDF : 146664.3/6

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

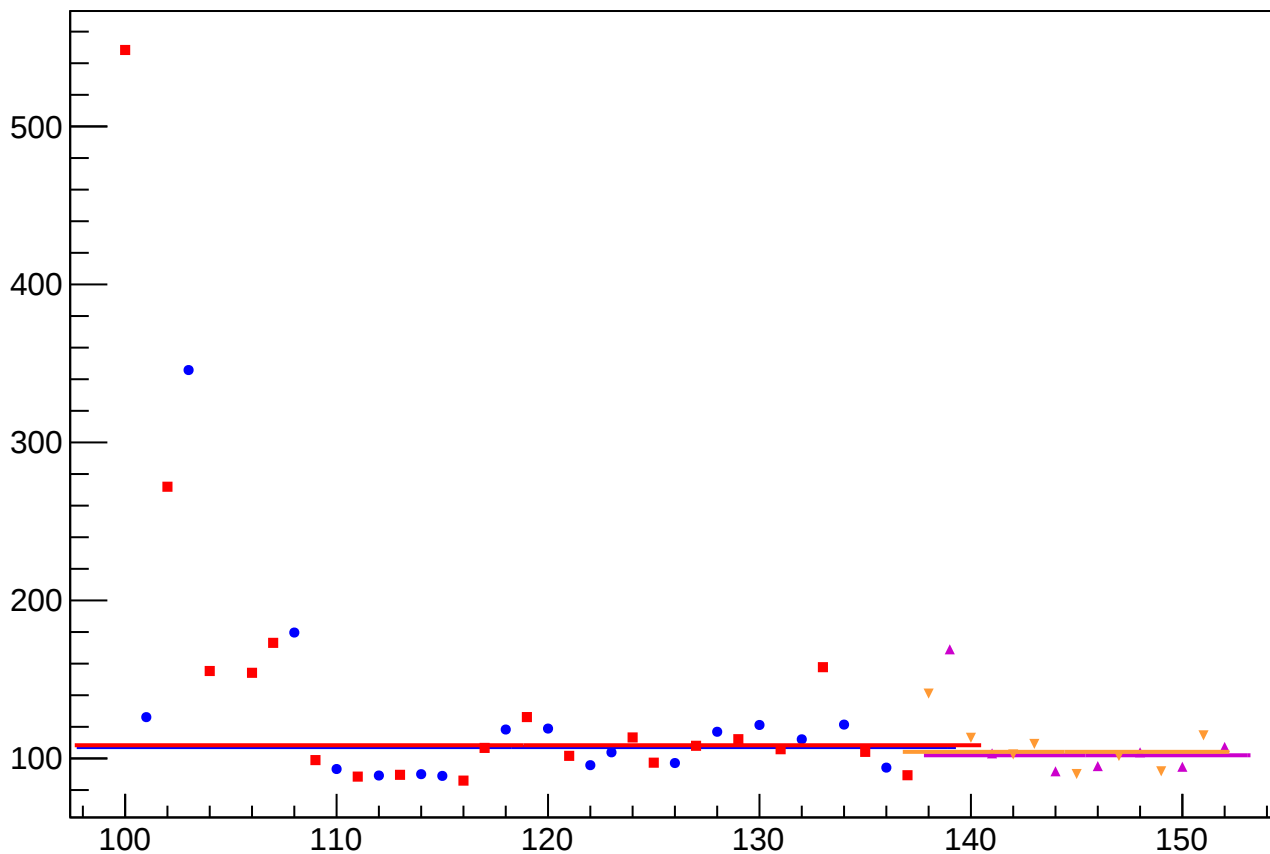
Left In: 41.717+/-43.517 χ^2/NDF : 7.3/6

95.591+/-31.070 χ^2/NDF : 31.2/24

77.984+/-21.790 χ^2/NDF : 57.1/51

60.941+/-30.568 χ^2/NDF : 25.3/26

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 107.189 $\pm$ 0.031 χ^2 /NDF: 843115.1/16

Left Out: 104.173 $\pm$ 0.031 χ^2 /NDF:184697.9/7

Right Out: 108.347 $\pm$ 0.030 χ^2 /NDF: 917309.2/19

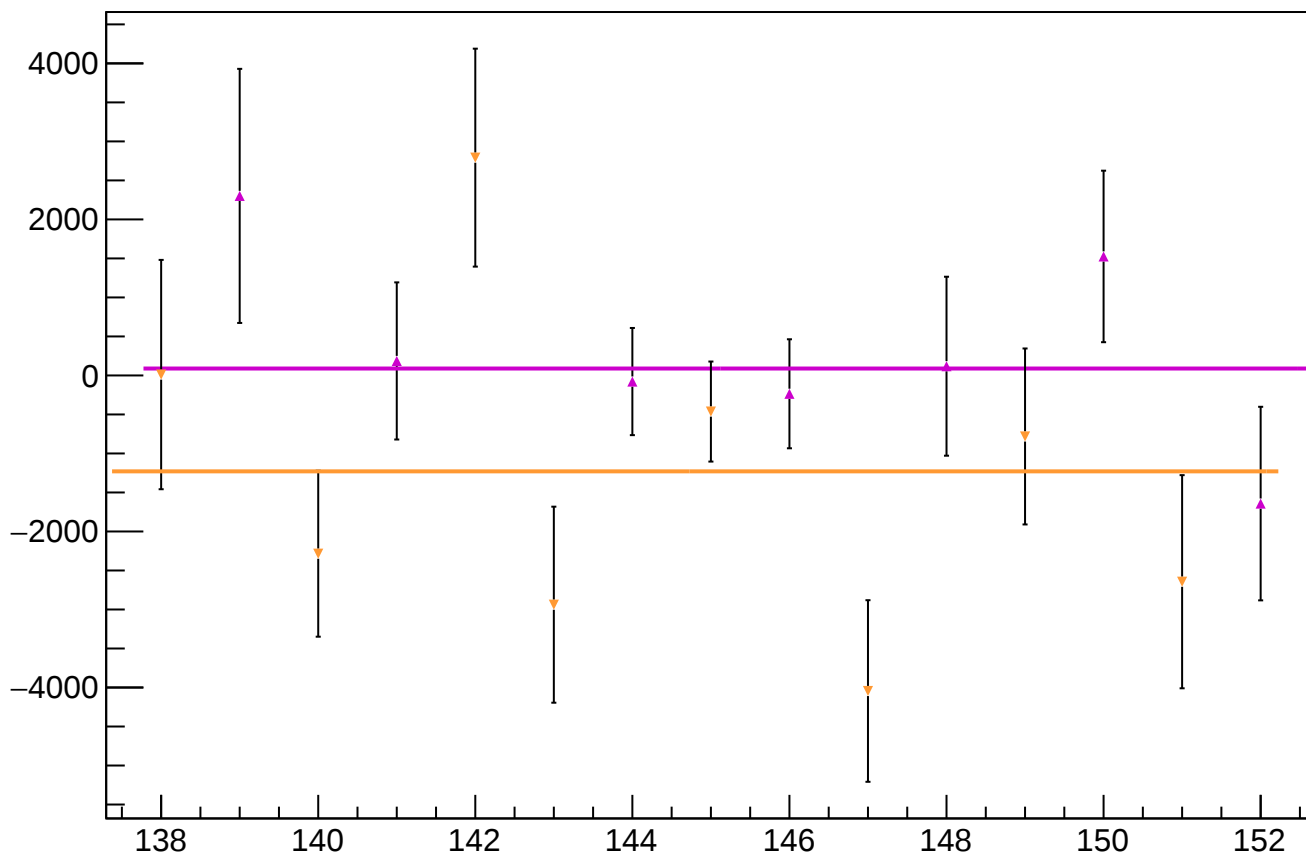
Left In: 102.000 $\pm$ 0.031 χ^2 /NDF:269733.9/6

105.708 $\pm$ 0.022 χ^2 /NDF: 1032521.3/24

105.458 $\pm$ 0.015 χ^2 /NDF: 2241373.6/51

105.215 $\pm$ 0.022 χ^2 /NDF: 1208596.3/26

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

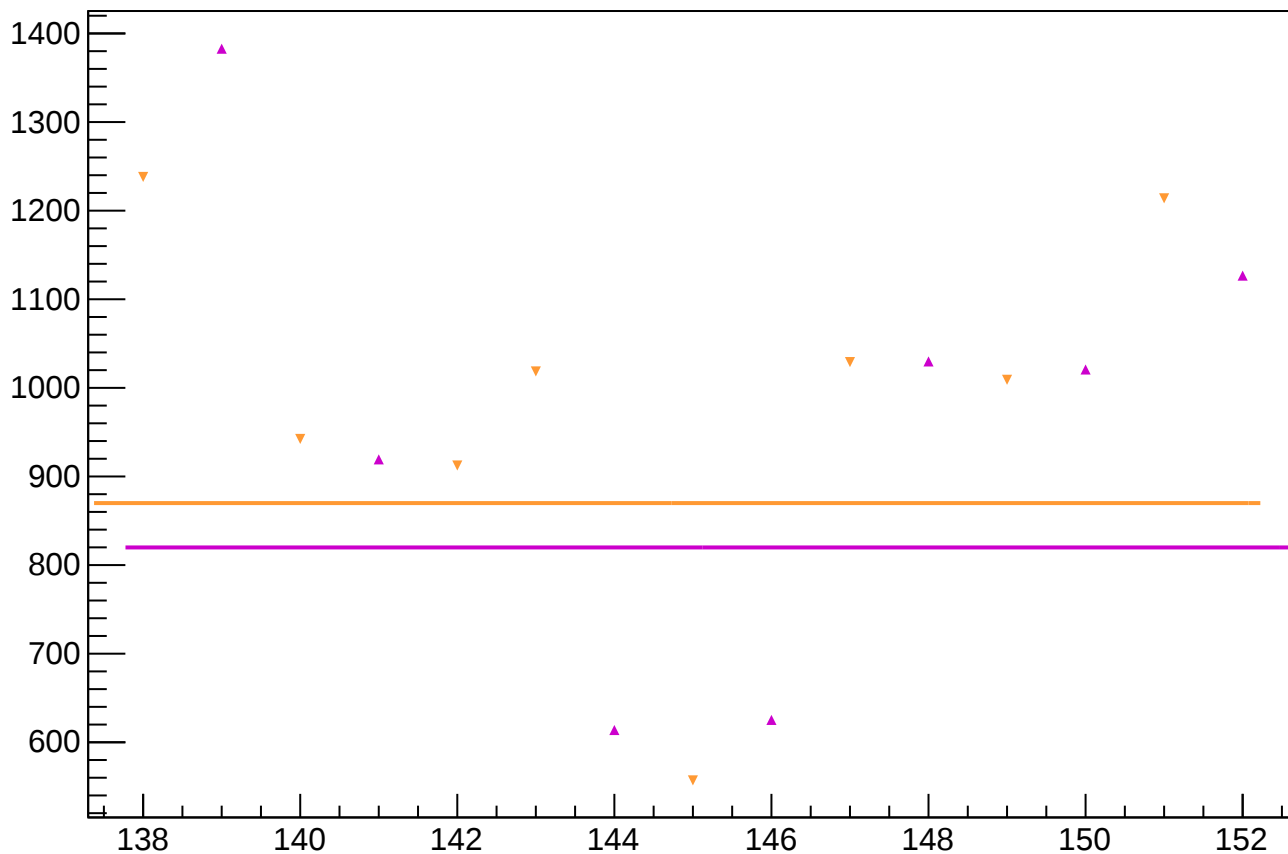
Left In: 88.699+/-358.785 χ^2/NDF :5.8/6

-1229.334+/-378.366 χ^2/NDF : 20.3/7

-535.332+/-260.347 χ^2/NDF : 32.5/14

88.699+/-358.785 χ^2/NDF : 5.8/6

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

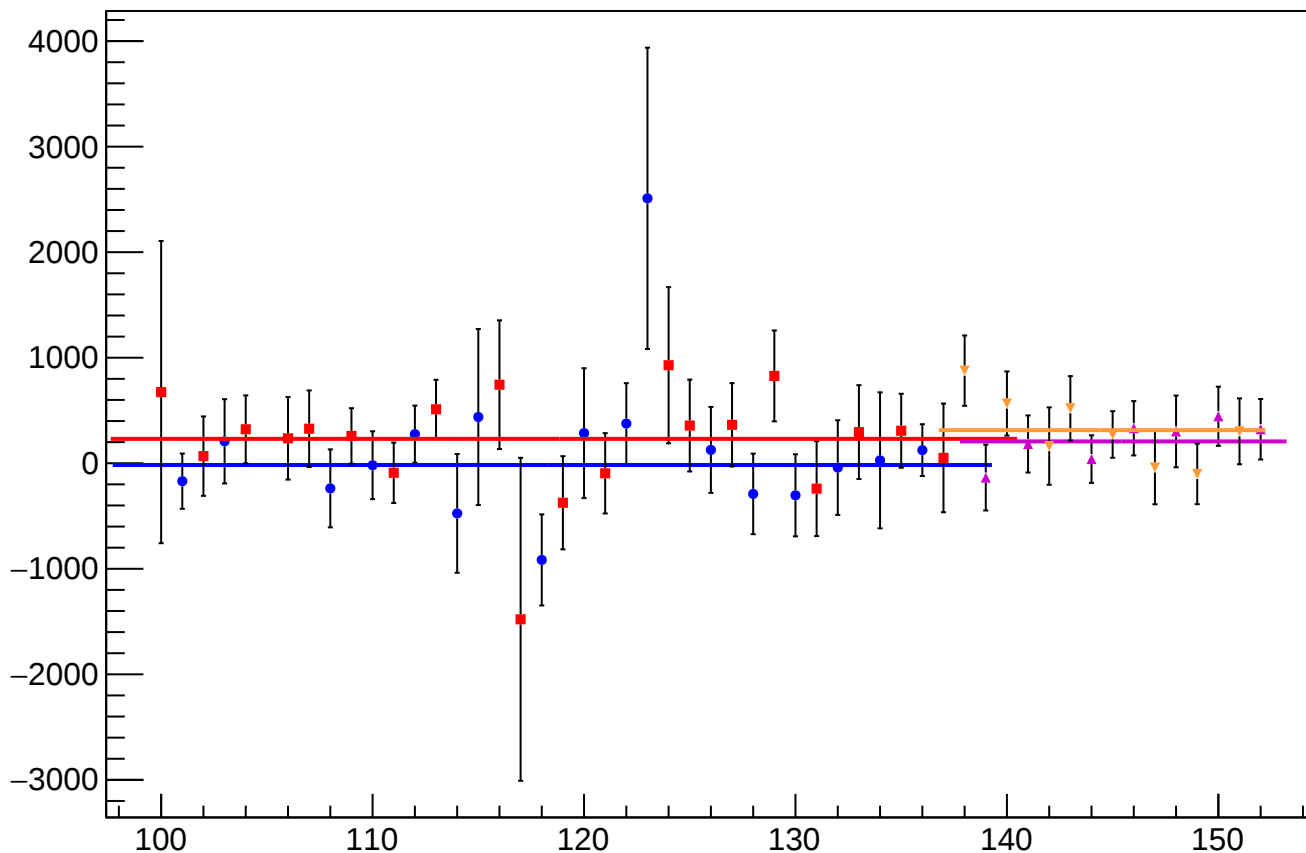
Left In: 819.900+/-0.254 χ^2/NDF : 849677.1/6

869.970+/-0.268 χ^2/NDF : 835729.9/7

843.606+/-0.184 χ^2/NDF : 1703848.2/14

819.900+/-0.254 χ^2/NDF : 849677.1/6

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -16.459 ± 93.285 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 313.671 ± 105.857 $\chi^2/\text{NDF}: 7.3/7$

Right Out: 231.209 ± 88.787 $\chi^2/\text{NDF}: 11.6/19$

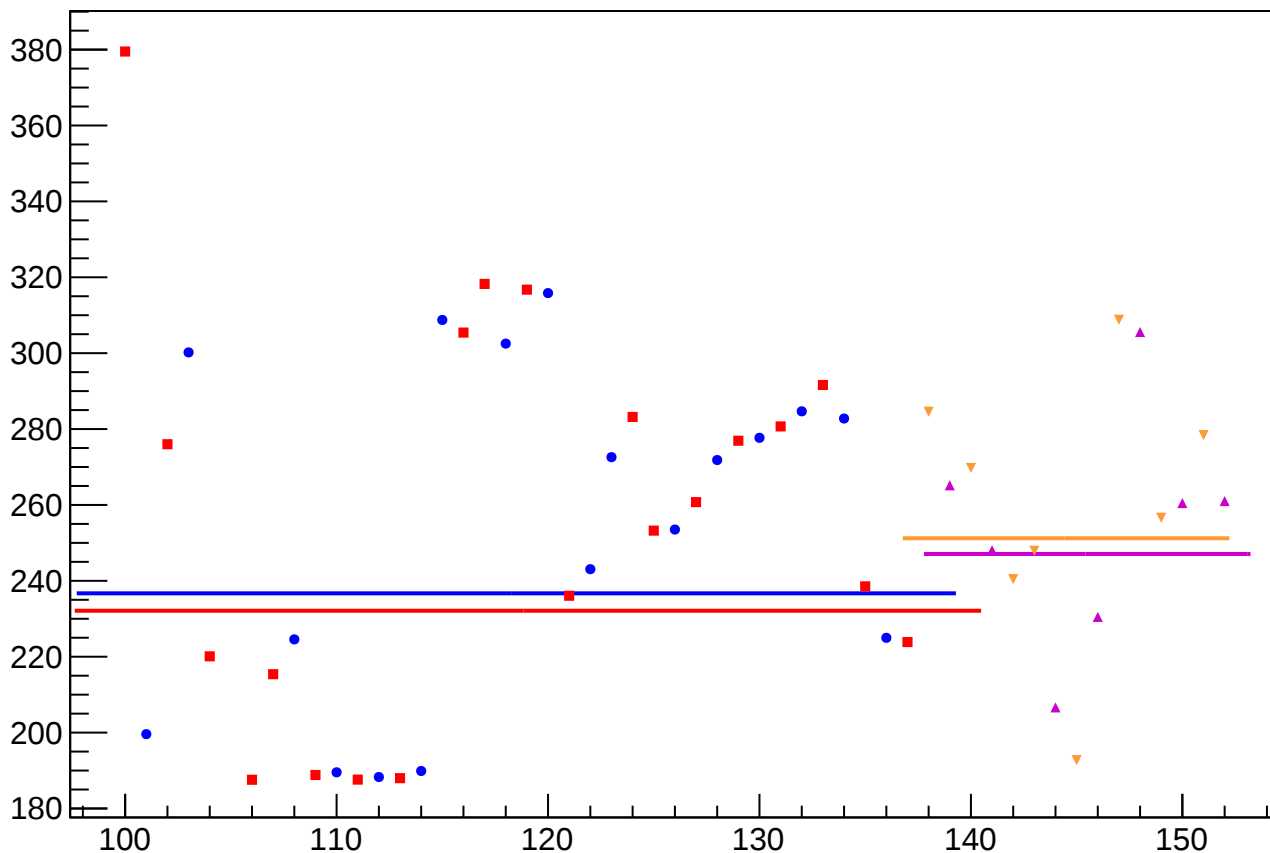
Left In: 206.914 ± 104.105 $\chi^2/\text{NDF}: 3.0/6$

127.846 ± 69.987 $\chi^2/\text{NDF}: 26.3/24$

176.058 ± 48.606 $\chi^2/\text{NDF}: 41.7/51$

220.979 ± 67.555 $\chi^2/\text{NDF}: 14.6/26$

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

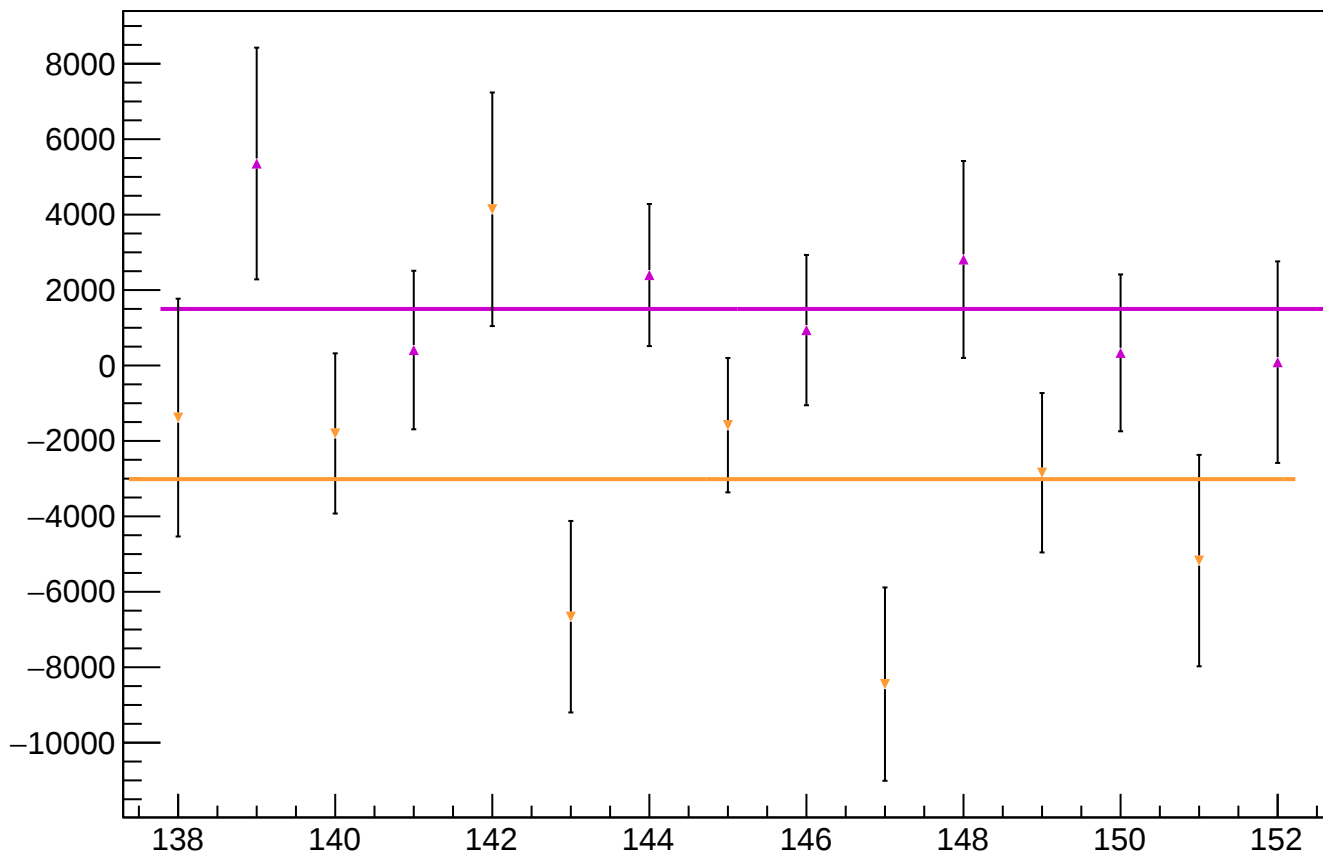
Left In: 247.082 +/- 0.074 χ^2/NDF : 147949.1/6

243.051 +/- 0.049 χ^2/NDF : 651819.3/24

240.654 +/- 0.034 χ^2/NDF : 1277853.7/51

238.420 +/- 0.048 χ^2/NDF : 621500.8/26

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

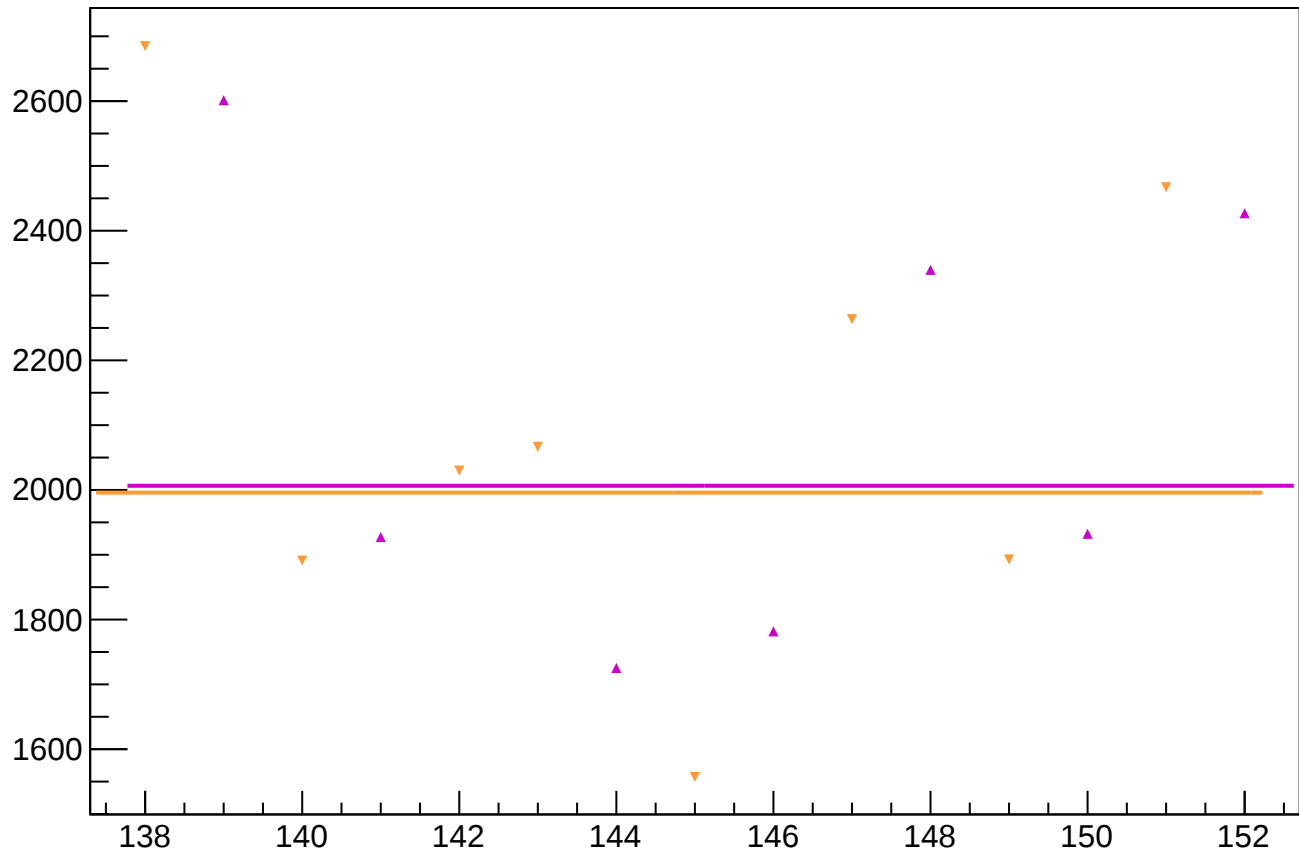
Left In: 1499.070+/-849.980 χ^2/NDF :3.0/6

-3013.128+/-845.052 χ^2/NDF : 13.7/7

-770.147+/-599.277 χ^2/NDF : 30.9/14

1499.070+/-849.980 χ^2/NDF : 3.0/6

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

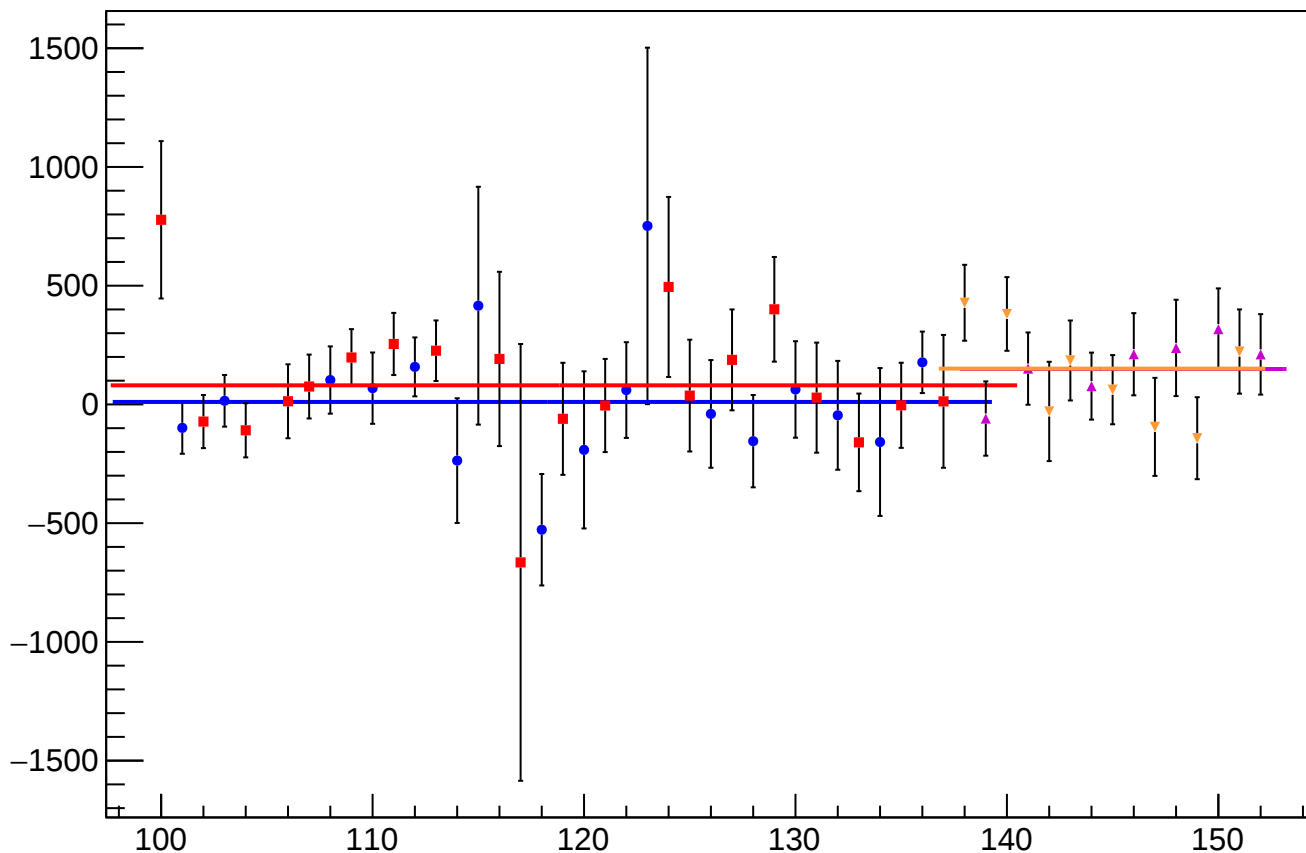
Left In: 2006.500+/-0.601 χ^2/NDF : 232506.3/6

1995.877+/-0.598 χ^2/NDF : 306612.8/7

2001.158+/-0.424 χ^2/NDF : 539276.3/14

2006.500+/-0.601 χ^2/NDF : 232506.3/6

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

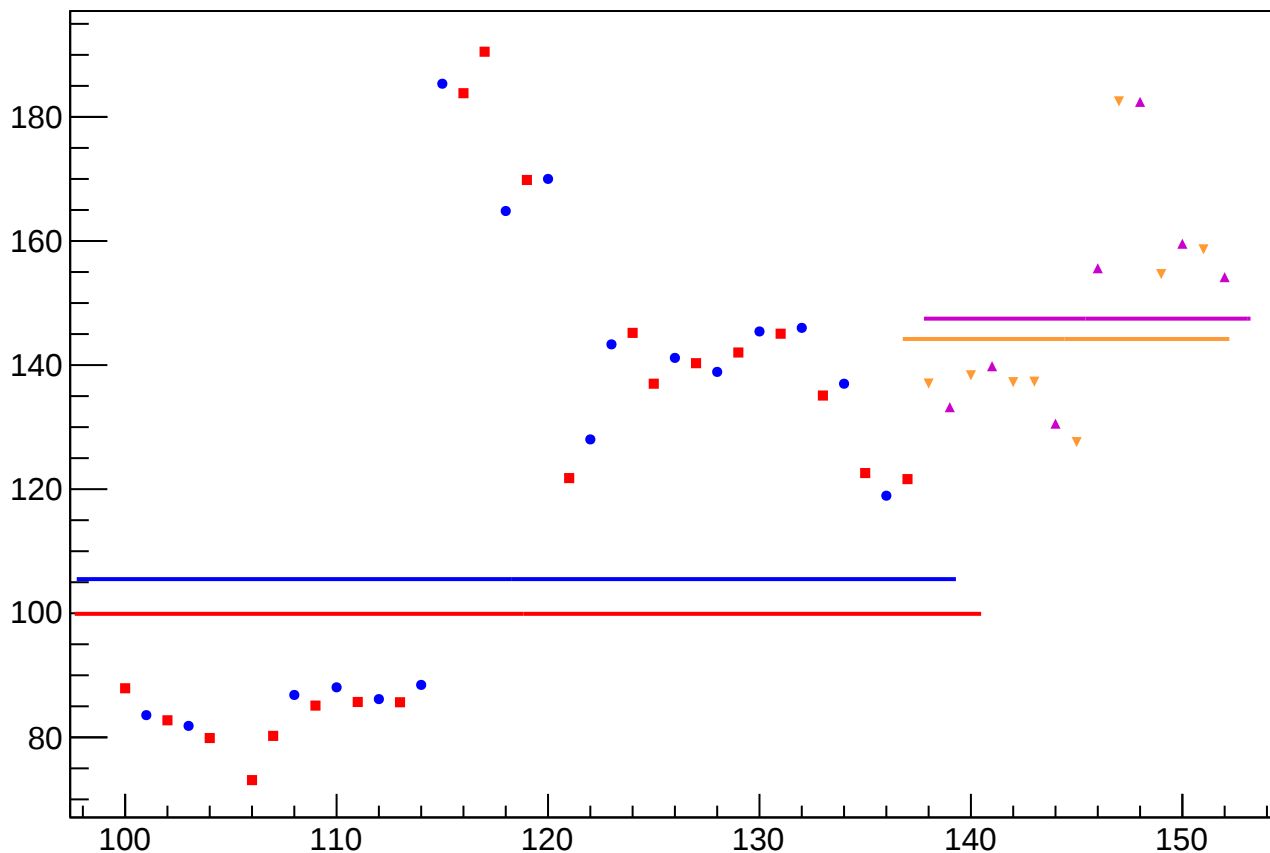
Left In: 149.206 $\pm$ 61.926 χ^2/NDF : 3.4/6

56.771 $\pm$ 34.632 χ^2/NDF : 28.5/24

79.420 $\pm$ 23.879 χ^2/NDF : 53.5/51

99.948 $\pm$ 32.970 χ^2/NDF : 24.2/26

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

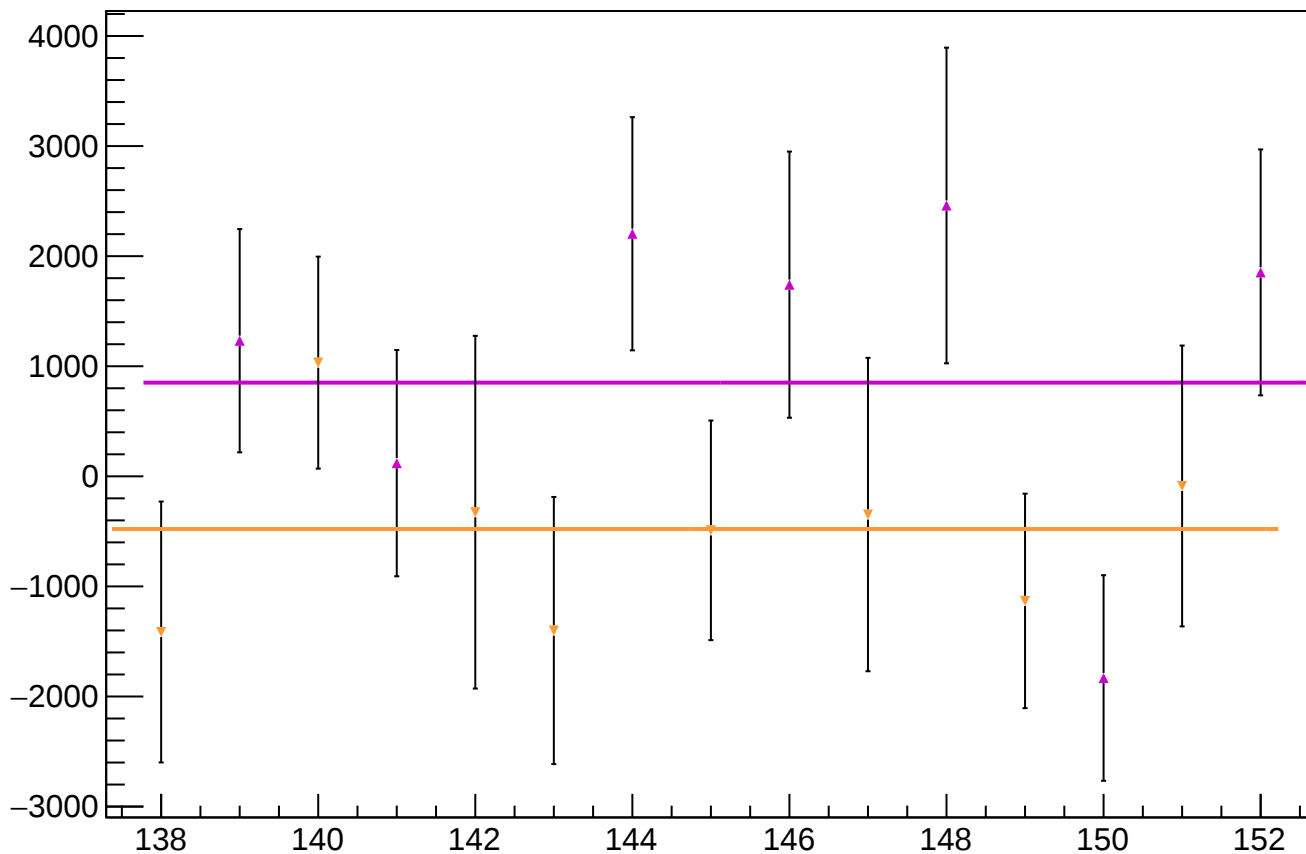
Left In: 147.485 $\pm$ 0.044 χ^2/NDF : 127300.2/6

118.258 $\pm$ 0.024 χ^2/NDF : 1548958.4/24

115.706 $\pm$ 0.017 χ^2/NDF : 3562425.2/51

113.394 $\pm$ 0.023 χ^2/NDF : 1992771.6/26

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

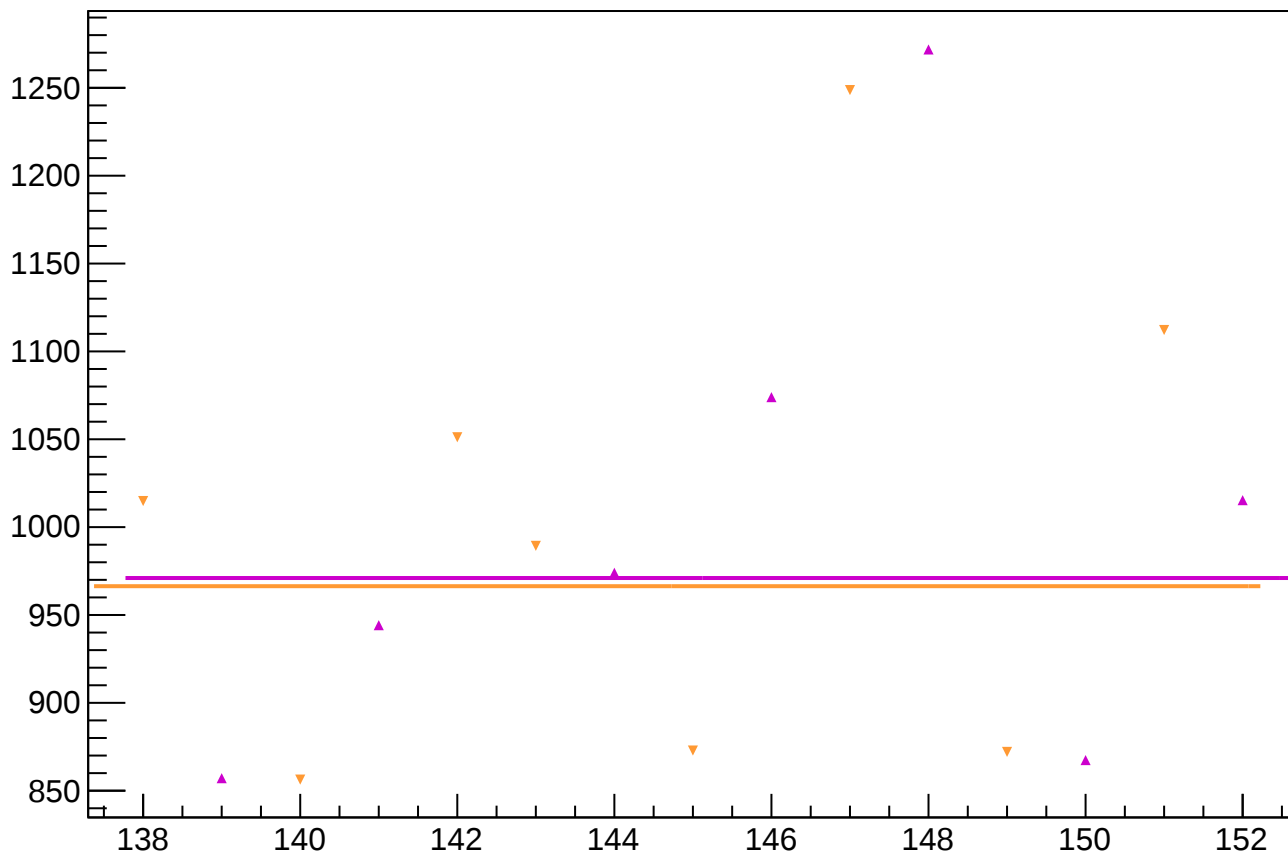
Left In: 851.436+/-410.692 χ^2/NDF : 13.1/6

-478.300+/-407.372 χ^2/NDF : 4.2/7

181.170+/-289.222 χ^2/NDF : 22.6/14

851.436+/-410.692 χ^2/NDF : 13.1/6

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

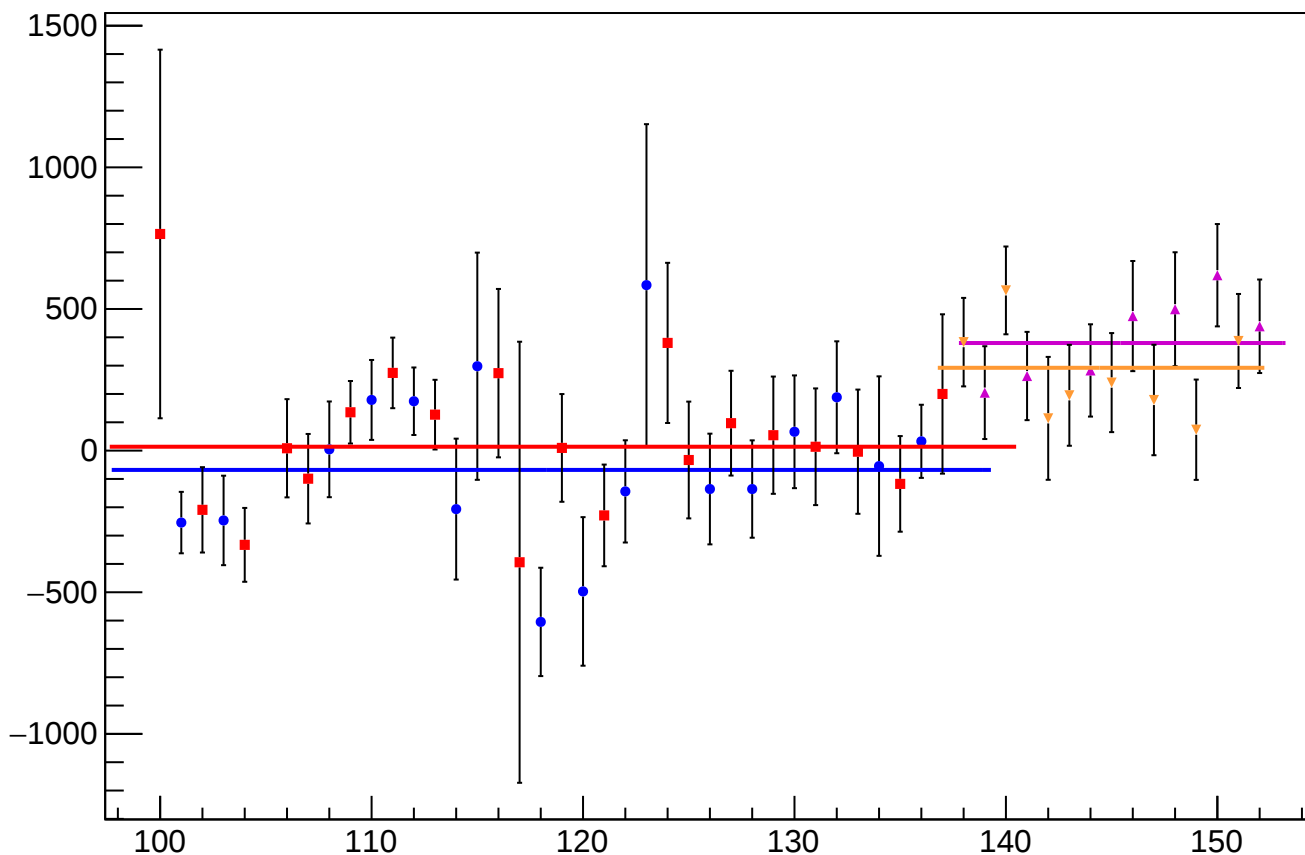
Left In: 971.040+/-0.290 χ^2/NDF : 156924.0/6

966.383+/-0.288 χ^2/NDF : 176923.0/7

968.693+/-0.205 χ^2/NDF : 333976.6/14

971.040+/-0.290 χ^2/NDF : 156924.0/6

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -68.111 ± 42.265 $\chi^2/\text{NDF}: 27.8/16$

Left Out: 292.390 ± 61.707 $\chi^2/\text{NDF}: 6.7/7$

Right Out: 13.752 ± 39.416 $\chi^2/\text{NDF}: 23.4/19$

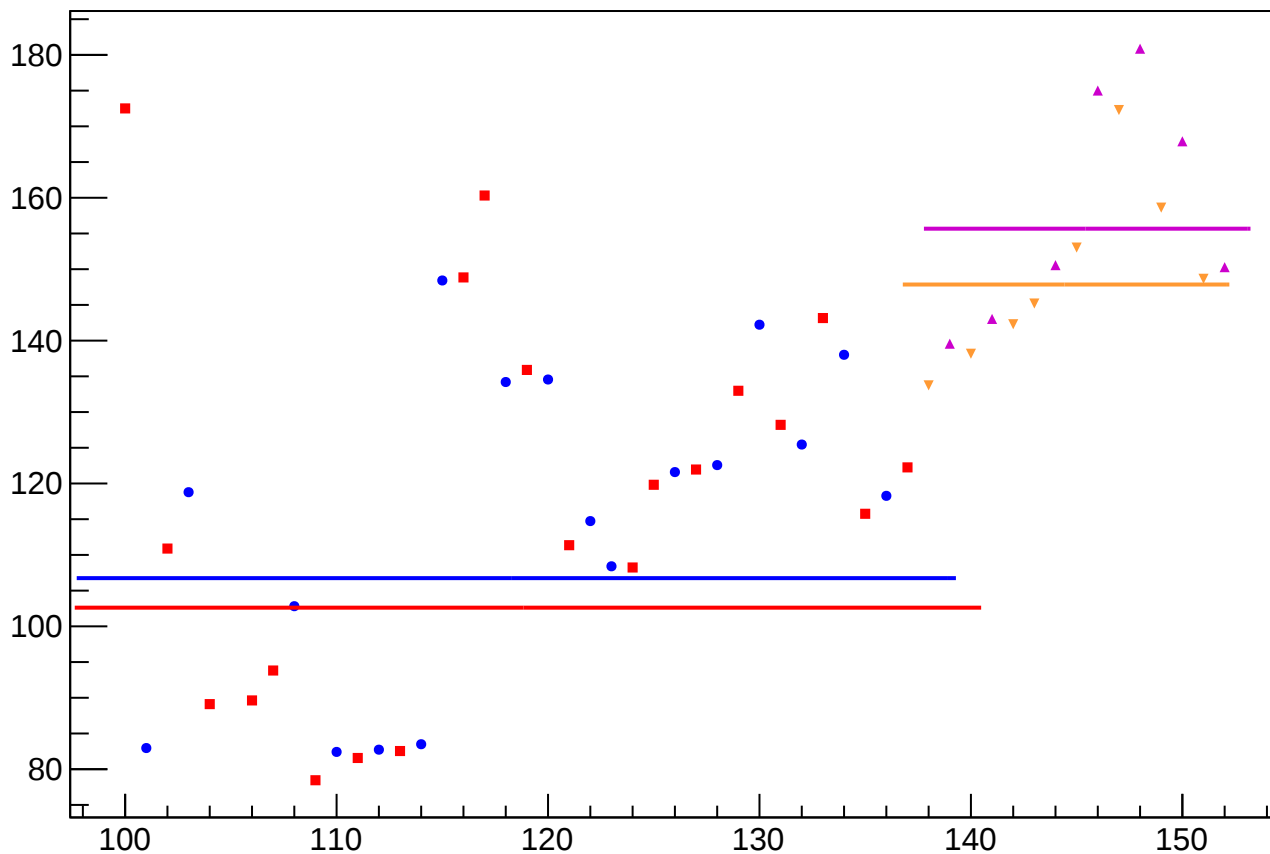
Left In: 379.879 ± 65.277 $\chi^2/\text{NDF}: 4.5/6$

47.008 ± 34.870 $\chi^2/\text{NDF}: 57.8/24$

80.354 ± 24.248 $\chi^2/\text{NDF}: 110.5/51$

111.577 ± 33.742 $\chi^2/\text{NDF}: 51.0/26$

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

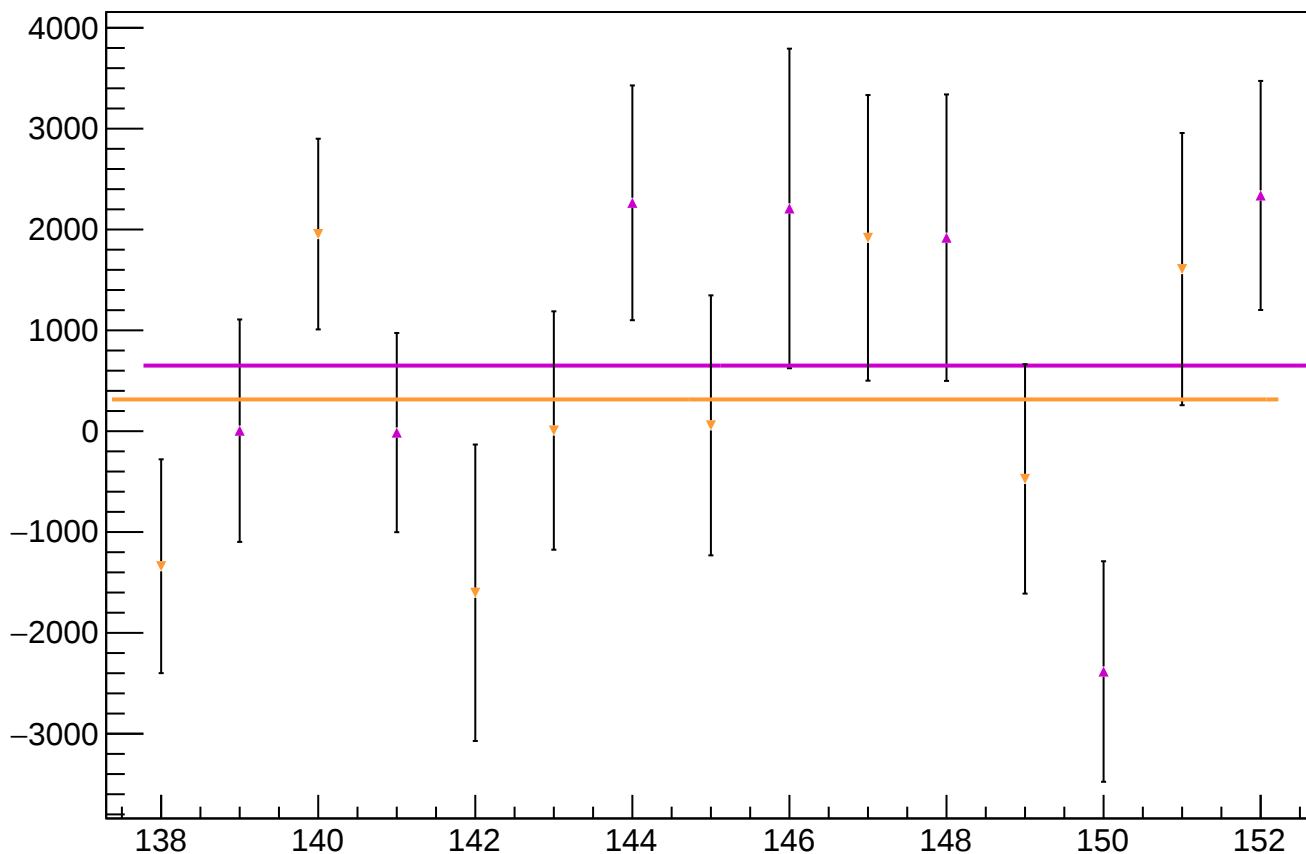
Left In: 155.671+/-0.046 χ^2/NDF : 96958.8/6

119.876+/-0.025 χ^2/NDF : 1172350.0/24

118.283+/-0.017 χ^2/NDF : 2845964.5/51

116.791+/-0.024 χ^2/NDF : 1665532.8/26

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

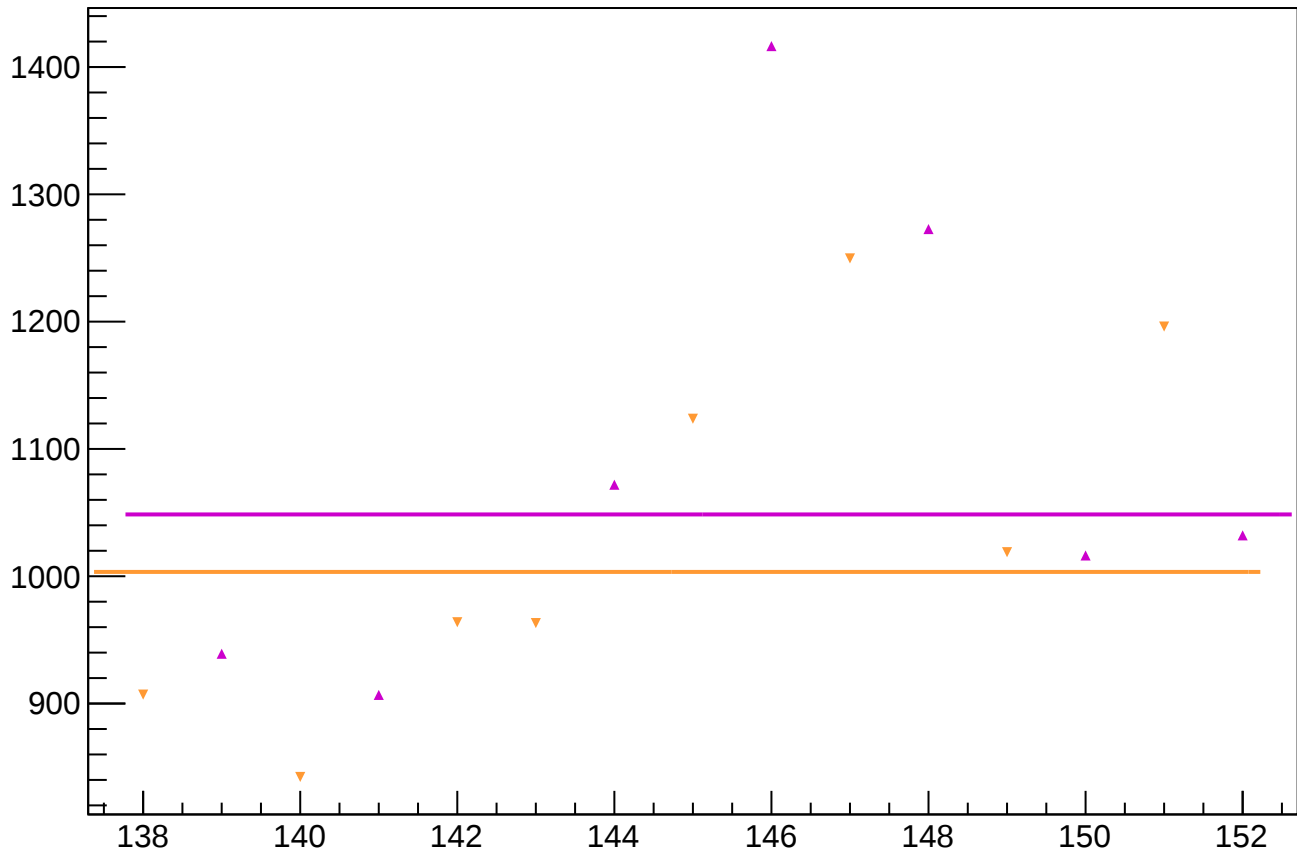
Left In: 650.598+/-443.218 χ^2/NDF : 14.4/6

314.906+/-422.222 χ^2/NDF : 9.9/7

474.612+/-305.709 χ^2/NDF : 24.6/14

650.598+/-443.218 χ^2/NDF : 14.4/6

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

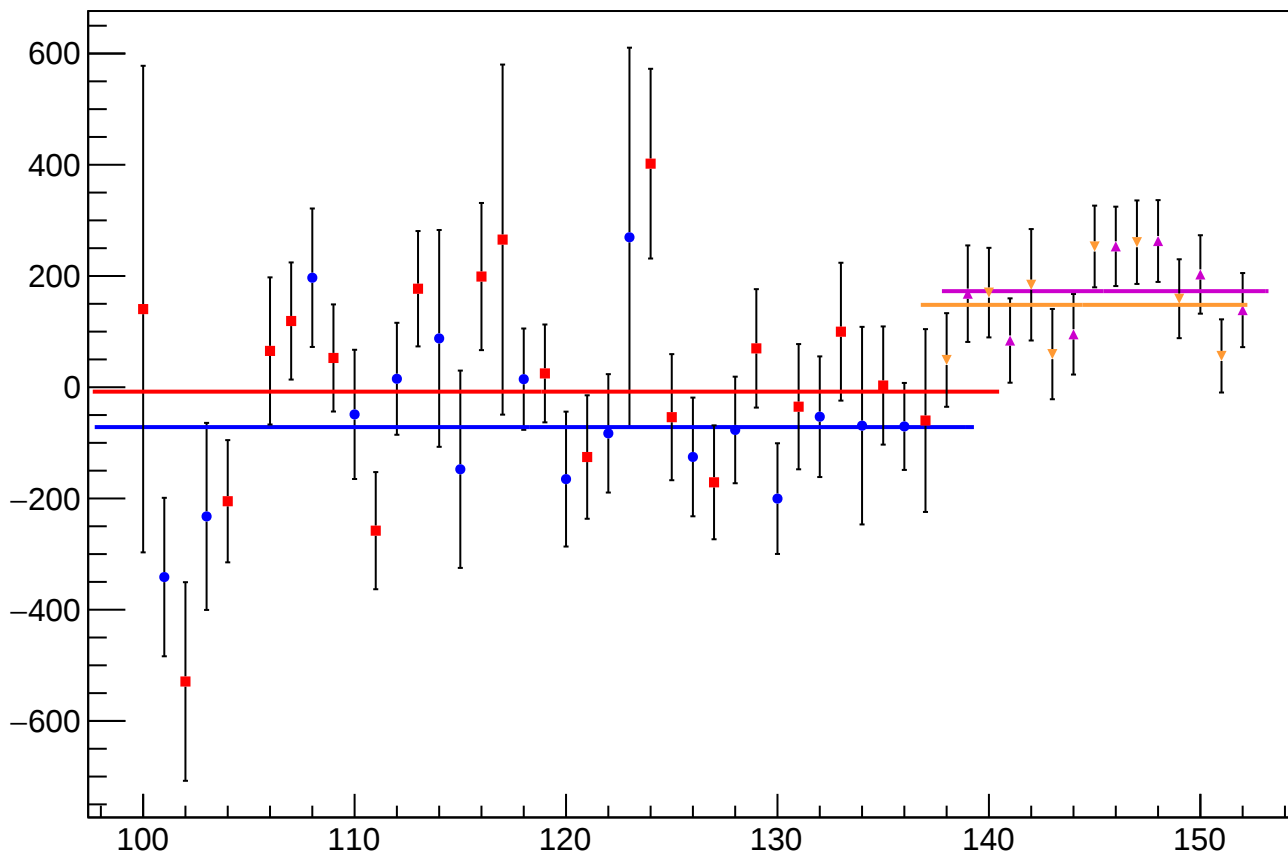
Left In: 1048.546+/-0.313 χ^2/NDF : 221484.8/6

1003.395+/-0.299 χ^2/NDF : 197399.9/7

1024.876+/-0.216 χ^2/NDF : 429765.8/14

1048.546+/-0.313 χ^2/NDF : 221484.8/6

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

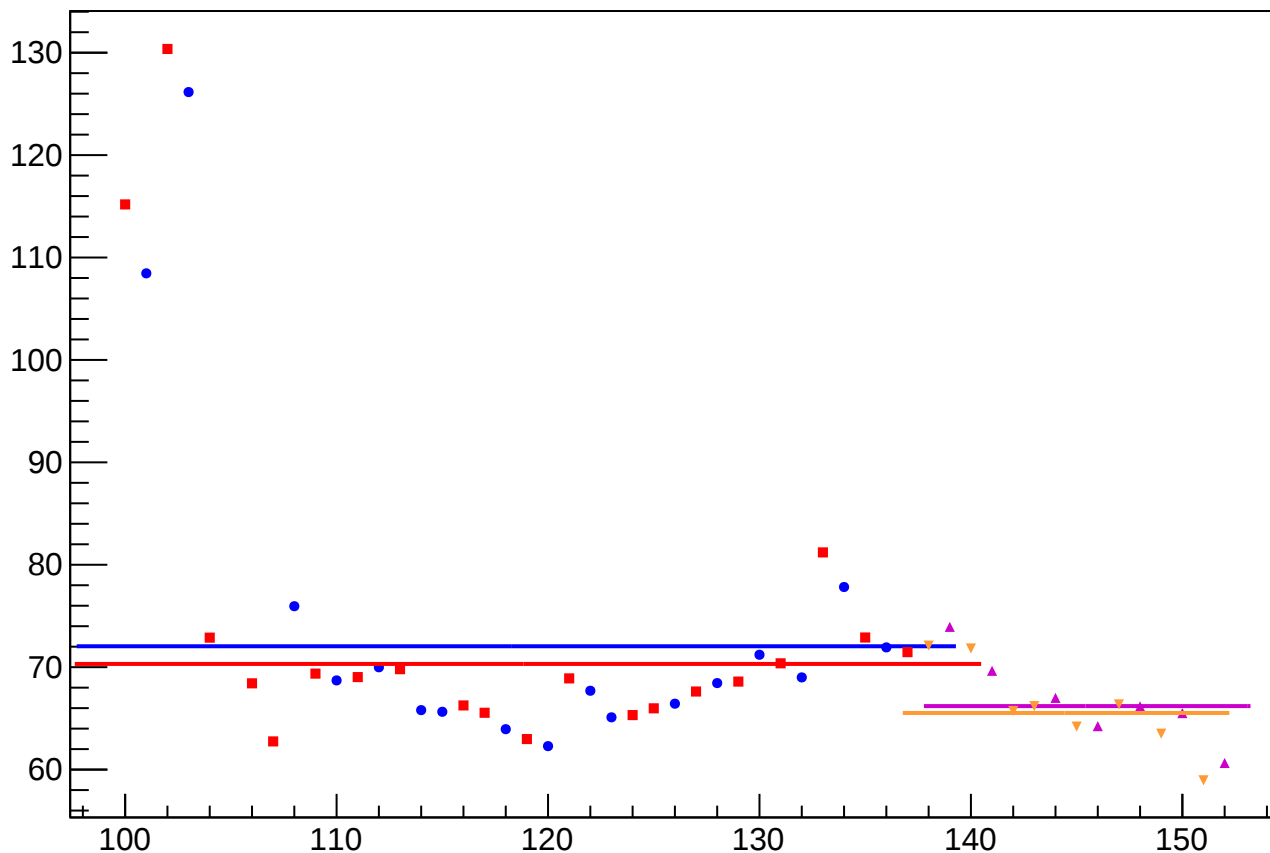
Left In: 172.764 $\pm$ 27.681 χ^2/NDF : 5.7/6

42.298 $\pm$ 19.677 χ^2/NDF : 55.4/24

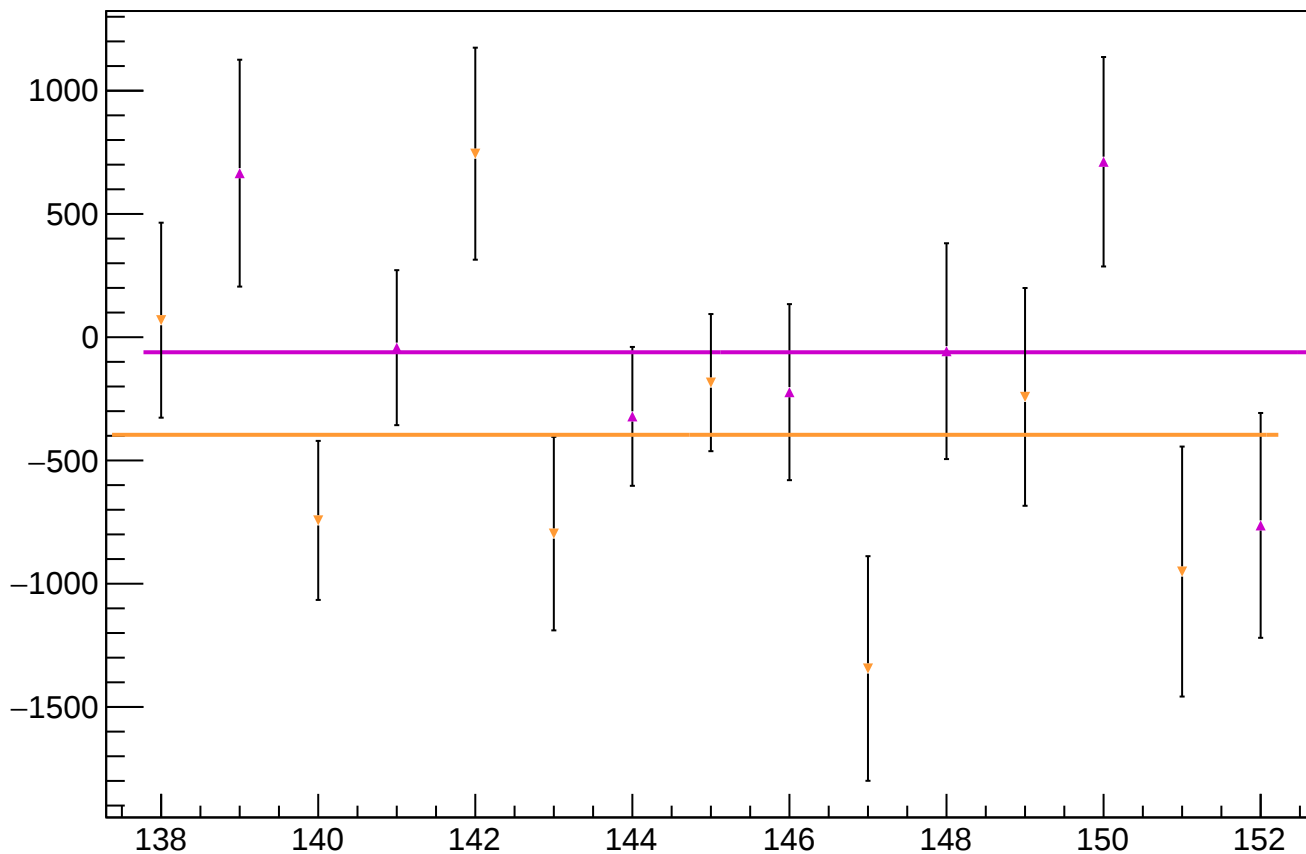
61.189 $\pm$ 13.751 χ^2/NDF : 122.3/51

79.221 $\pm$ 19.224 χ^2/NDF : 65.0/26

reg_asym_sam7_rms vs Slug, Sign Corrected



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

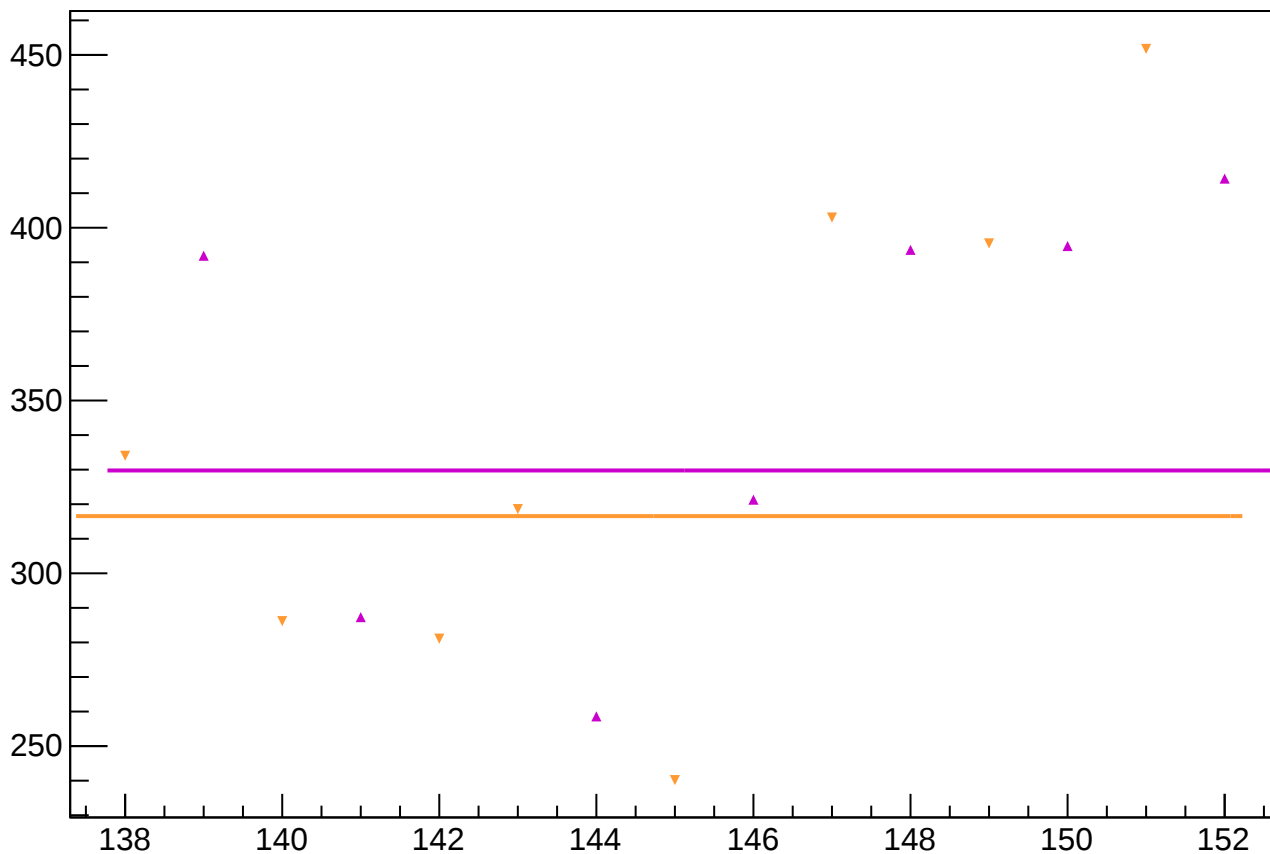
Left In: -61.056+/-140.233 χ^2/NDF :9.2/6

-395.922+/-135.267 χ^2/NDF : 16.8/7

-234.524+/-97.356 χ^2/NDF : 29.0/14

-61.056+/-140.233 χ^2/NDF : 9.2/6

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

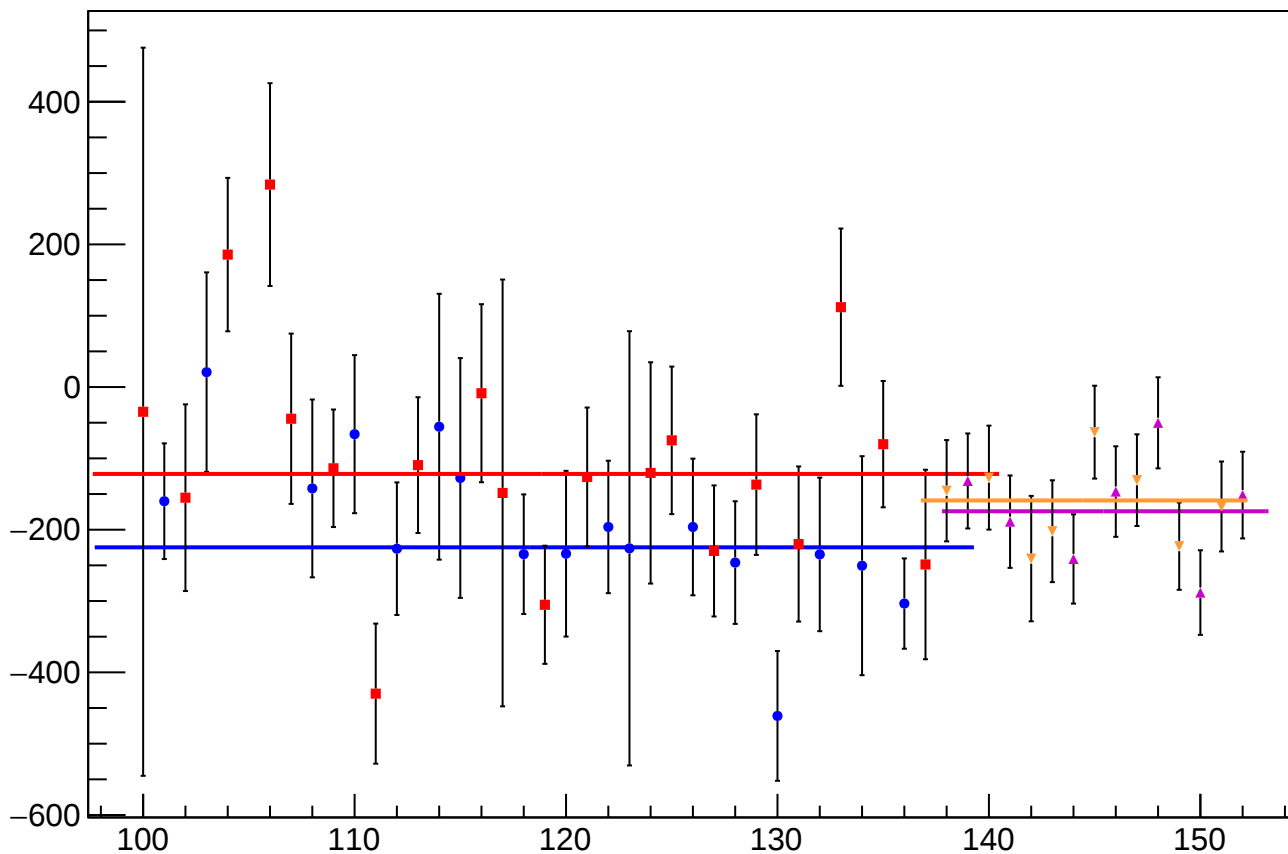
Left In: 329.761+/-0.099 χ^2/NDF : 359510.4/6

316.553+/-0.096 χ^2/NDF : 464054.9/7

322.919+/-0.069 χ^2/NDF : 832755.1/14

329.761+/-0.099 χ^2/NDF : 359510.4/6

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -224.727 ± 24.880 $\chi^2/\text{NDF}: 16.0/16$

Left Out: -159.011 ± 24.192 $\chi^2/\text{NDF}: 4.9/7$

Right Out: -121.814 ± 24.516 $\chi^2/\text{NDF}: 40.5/19$

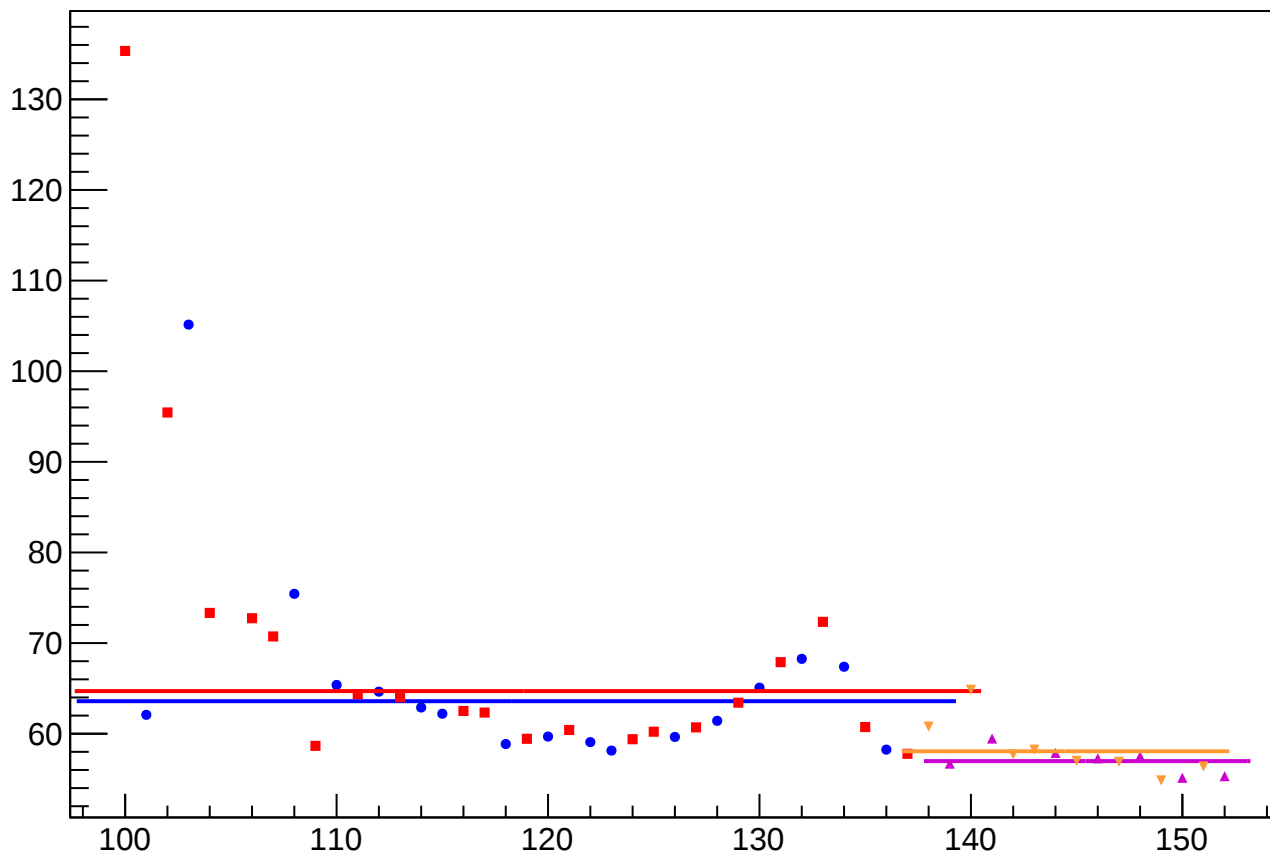
Left In: -174.146 ± 23.785 $\chi^2/\text{NDF}: 9.4/6$

-190.947 ± 17.345 $\chi^2/\text{NDF}: 24.5/24$

-169.524 ± 12.167 $\chi^2/\text{NDF}: 79.7/51$

-148.772 ± 17.071 $\chi^2/\text{NDF}: 52.2/26$

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

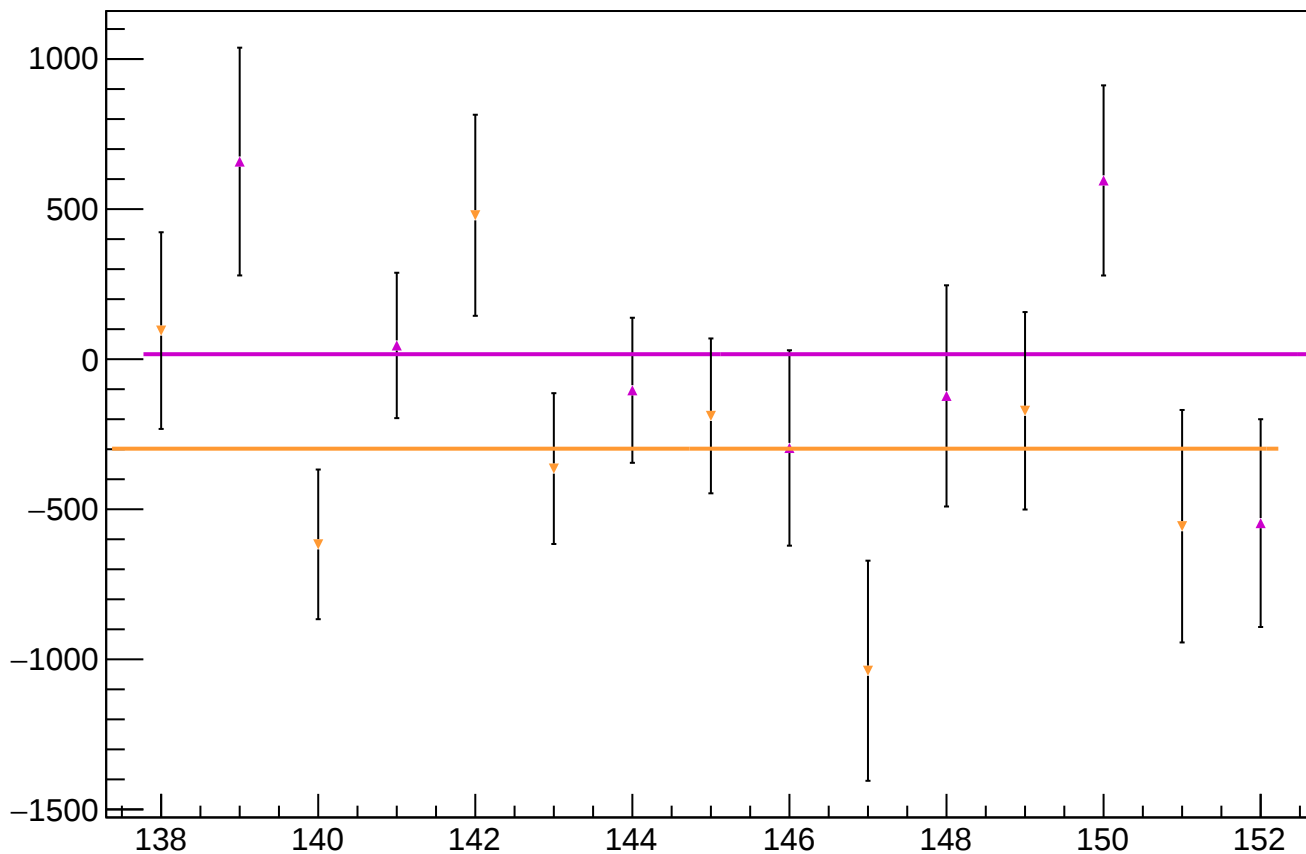
Left In: 56.979+/-0.017 χ^2/NDF : 7023.3/6

60.747+/-0.012 χ^2/NDF : 313815.6/24

60.736+/-0.009 χ^2/NDF : 650766.1/51

60.725+/-0.012 χ^2/NDF : 336948.7/26

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

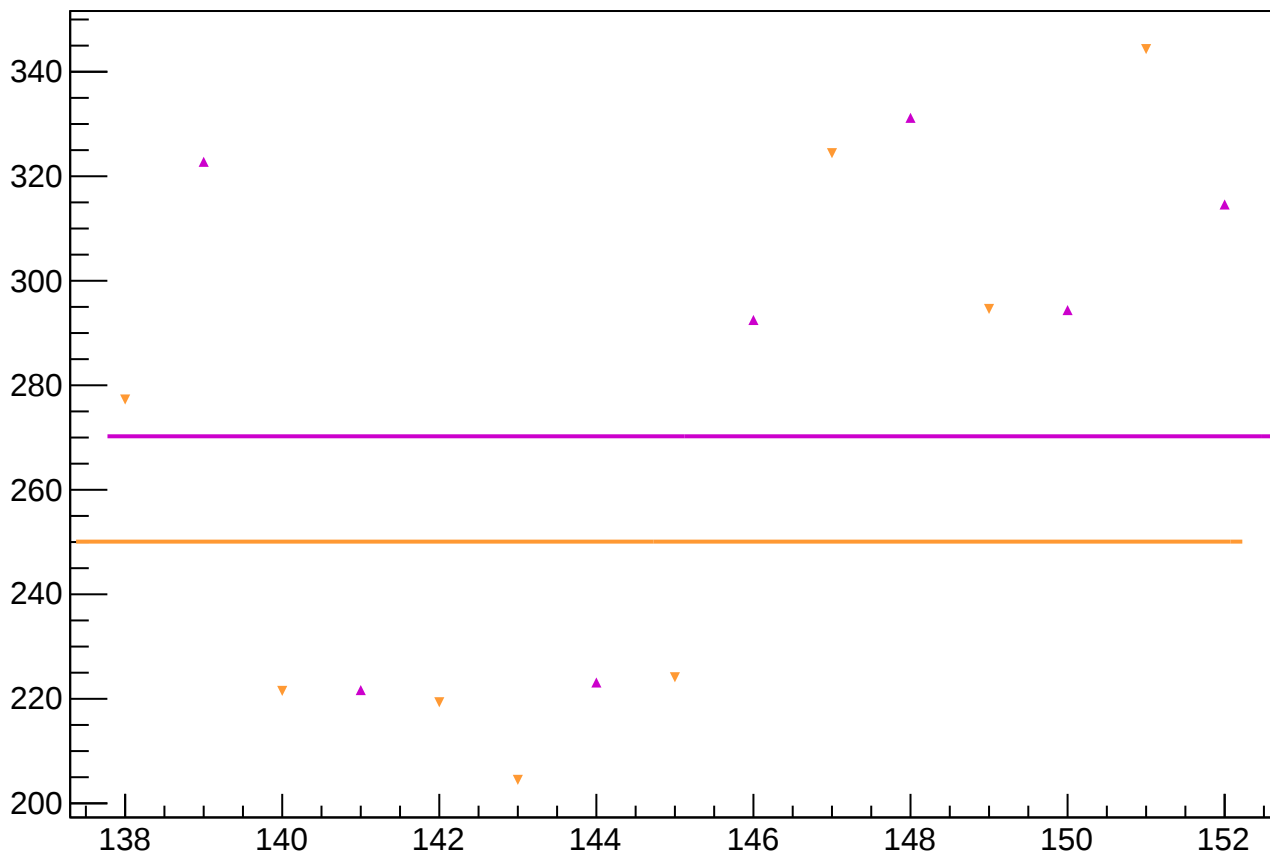
Left In: 16.609+/-114.534 χ^2/NDF : 10.2/6

-298.170+/-106.283 χ^2/NDF : 13.4/7

-152.525+/-77.907 χ^2/NDF : 27.6/14

16.609+/-114.534 χ^2/NDF : 10.2/6

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

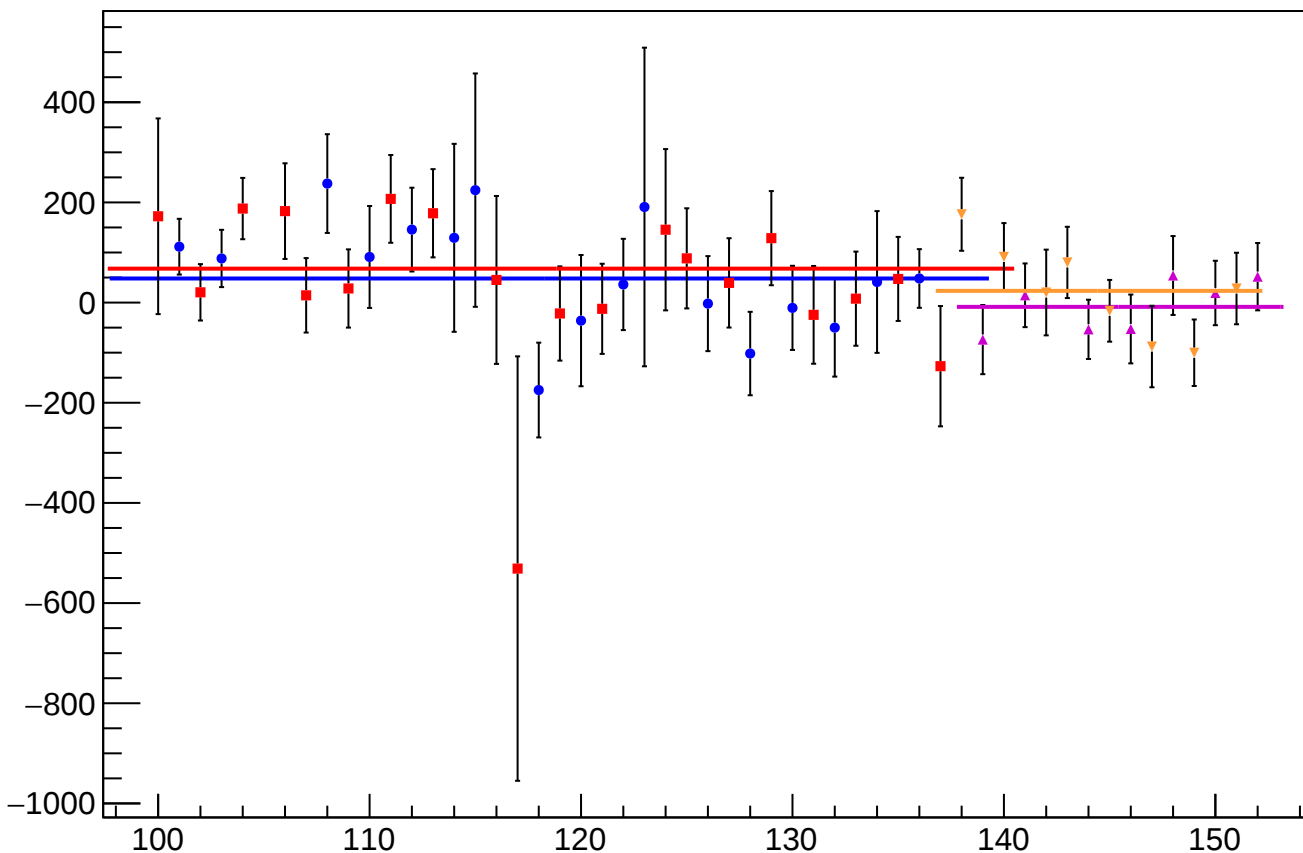
Left In: 270.239+/-0.081 χ^2/NDF : 303301.9/6

250.083+/-0.075 χ^2/NDF : 380280.3/7

259.409+/-0.055 χ^2/NDF : 716863.1/14

270.239+/-0.081 χ^2/NDF : 303301.9/6

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

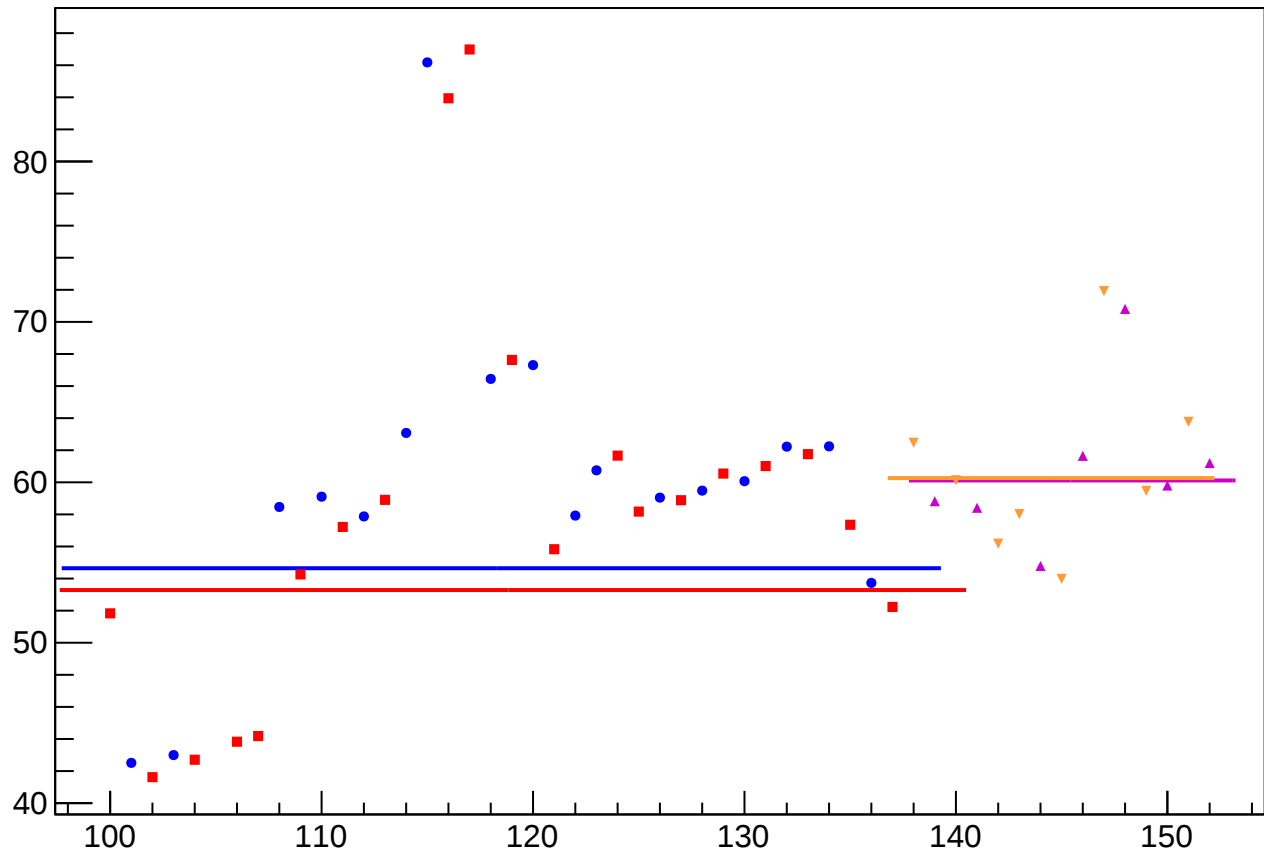
Left In: -8.552 $\pm$ 25.173 χ^2 /NDF:3.6/6

37.686 $\pm$ 16.351 χ^2 /NDF: 31.3/24

37.612 $\pm$ 11.378 χ^2 /NDF: 60.2/51

37.543 $\pm$ 15.841 χ^2 /NDF: 28.8/26

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 54.645+/-0.015 χ^2/NDF : 319300.2/16

Left Out: 60.265+/-0.018 χ^2/NDF : 75299.1/7

Right Out: 53.285+/-0.014 χ^2/NDF : 398973.0/19

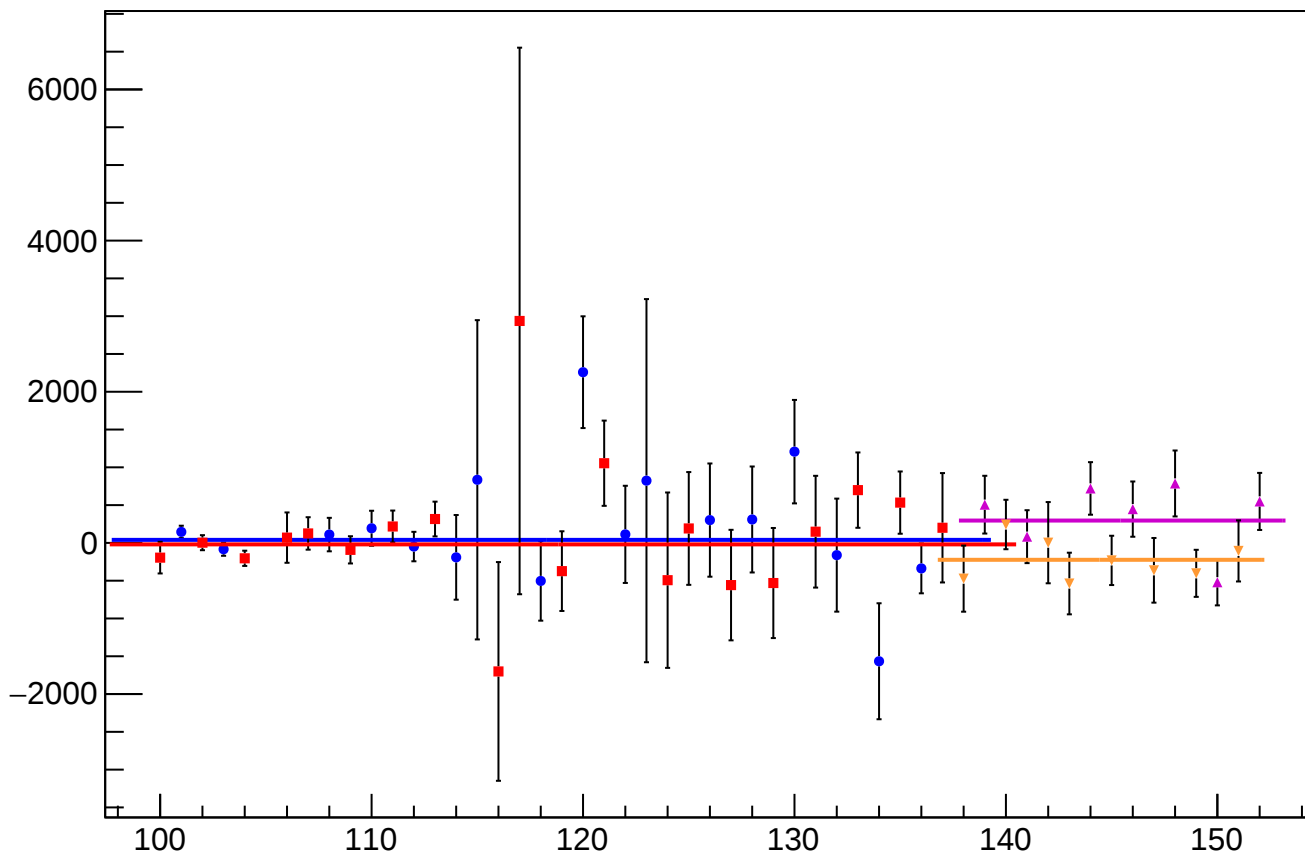
Left In: 60.116+/-0.018 χ^2/NDF : 56775.2/6

57.017+/-0.012 χ^2/NDF : 452226.0/24

56.487+/-0.008 χ^2/NDF : 1000997.2/51

55.990+/-0.011 χ^2/NDF : 544701.9/26

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

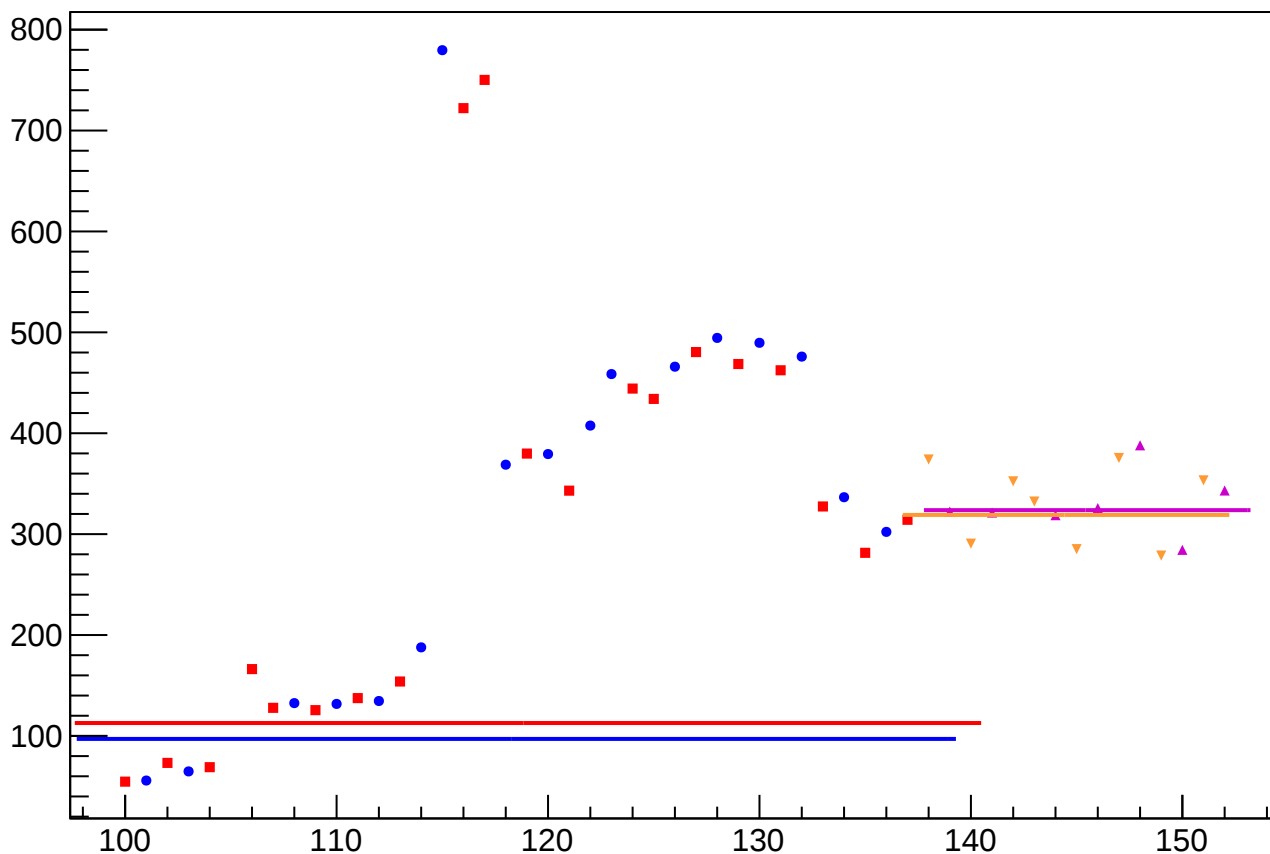
Left In: 295.770+/-136.462 χ^2/NDF : 11.2/6

6.385+/-48.125 χ^2/NDF : 30.9/24

14.006+/-34.547 χ^2/NDF : 66.3/51

22.109+/-49.622 χ^2/NDF : 35.4/26

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

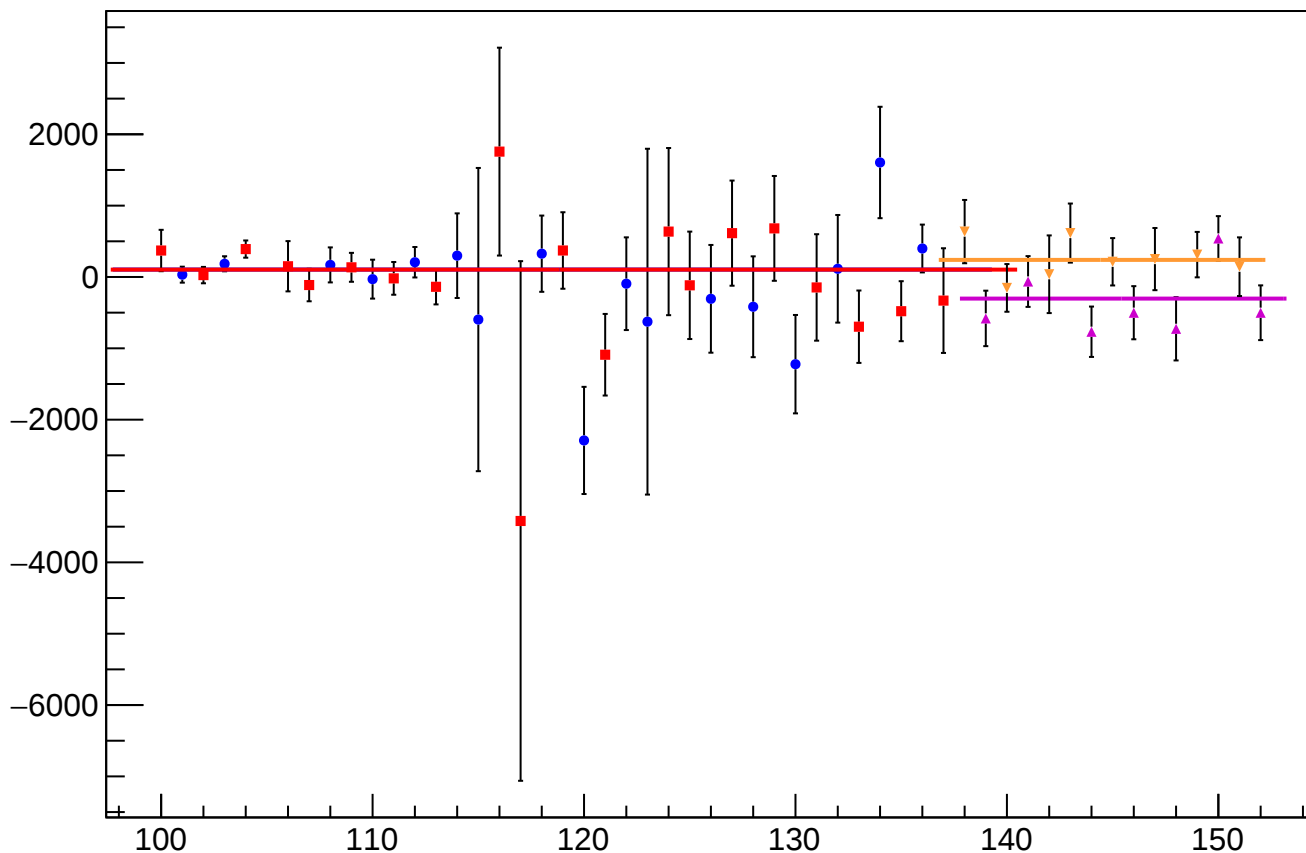
Left In: 323.774+/-0.096 χ^2/NDF : 82333.3/6

125.497+/-0.034 χ^2/NDF : 10736607.8/24

132.861+/-0.024 χ^2/NDF : 20162614.4/51

140.689+/-0.035 χ^2/NDF : 9329405.0/26

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

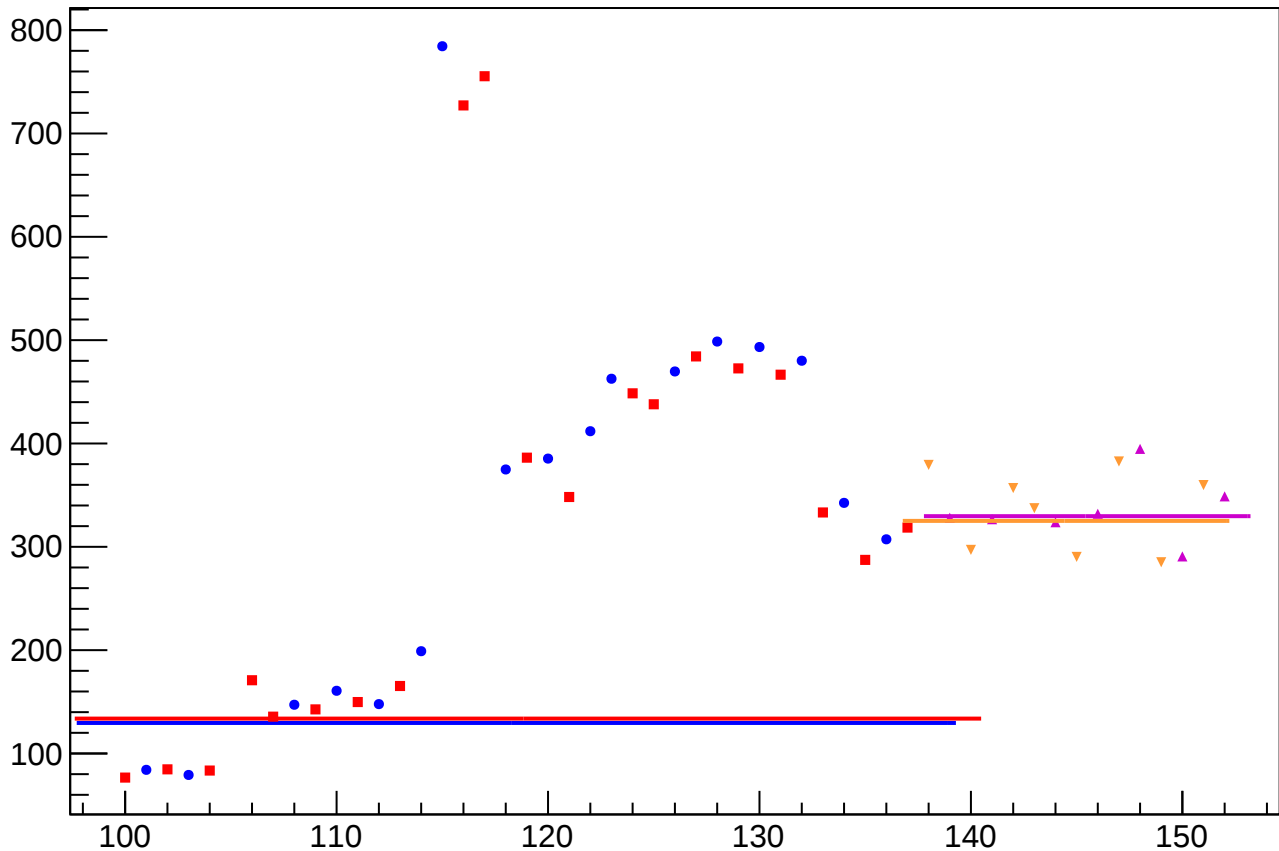
Left In: -302.945 $\pm$ 138.885 χ^2 /NDF: 11.4/6

127.770 $\pm$ 57.347 χ^2 /NDF: 25.4/24

81.480 $\pm$ 39.968 χ^2 /NDF: 67.5/51

37.758 $\pm$ 55.734 χ^2 /NDF: 40.9/26

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

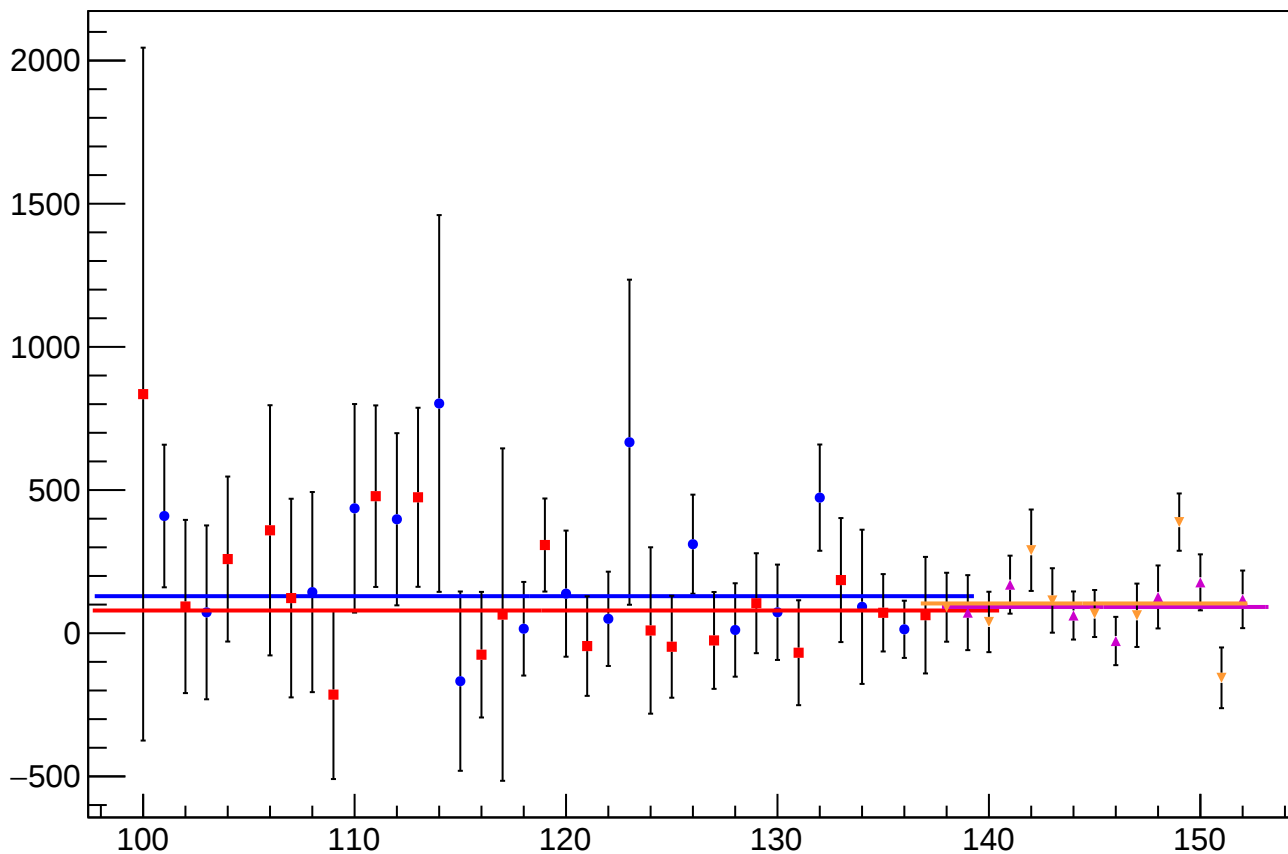
Left In: 329.664 +/- 0.098 χ^2/NDF : 79895.1/6

163.869 +/- 0.041 χ^2/NDF : 8292489.7/24

164.612 +/- 0.028 χ^2/NDF : 16135830.4/51

165.313 +/- 0.039 χ^2/NDF : 7842688.8/26

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

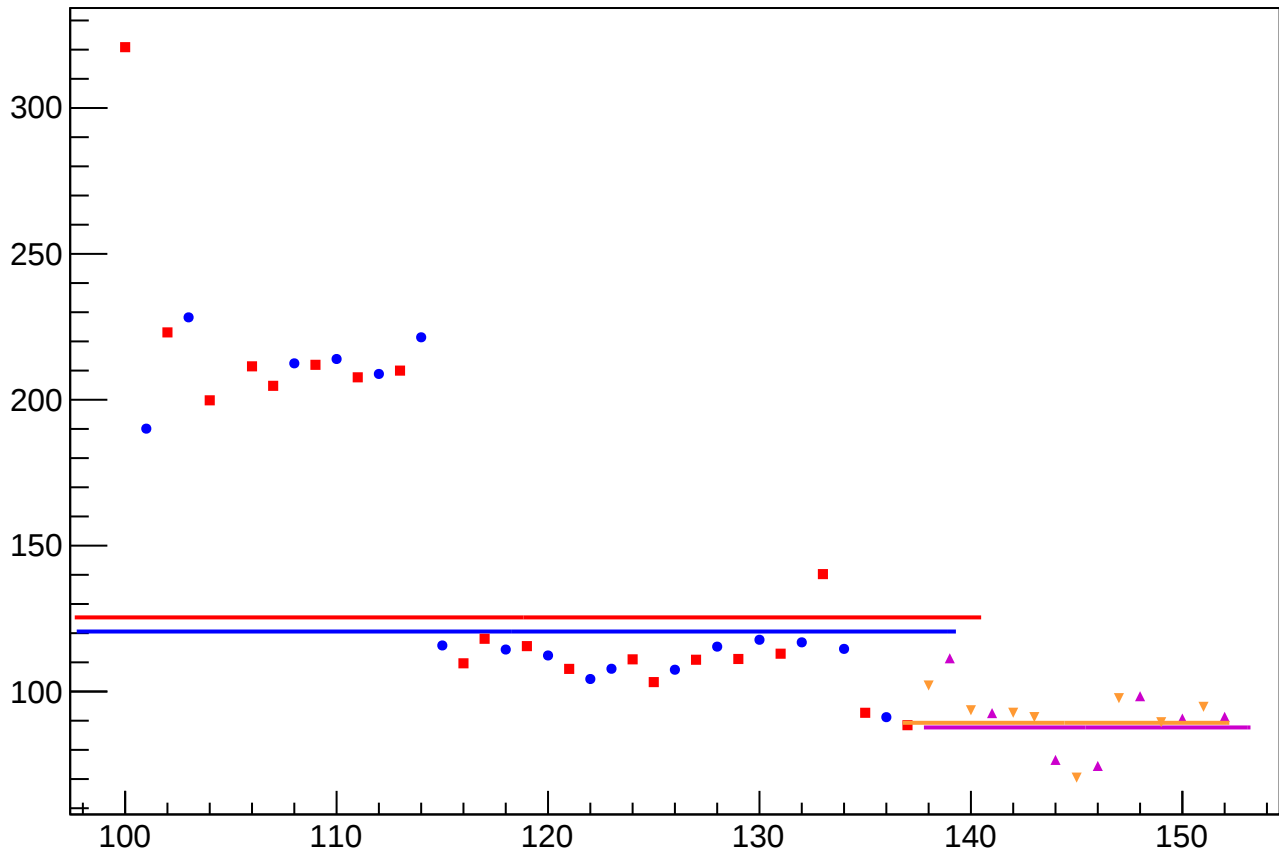
Left In: 91.737 $\pm$ 37.159 χ^2 /NDF:3.7/6

113.378 $\pm$ 29.871 χ^2 /NDF: 29.6/24

100.294 $\pm$ 21.083 χ^2 /NDF: 43.9/51

87.305 $\pm$ 29.761 χ^2 /NDF: 13.9/26

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

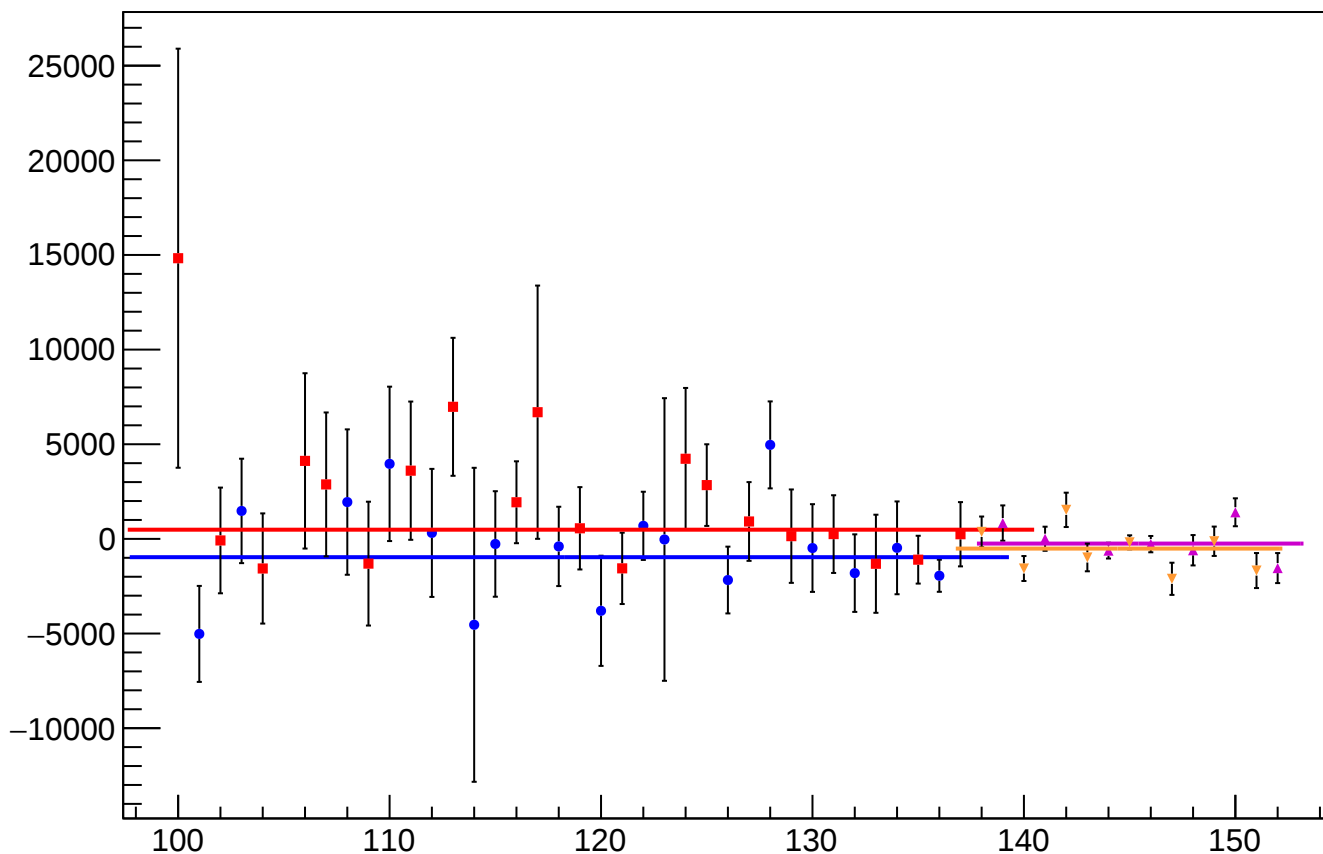
Left In: 87.683 $\pm$ 0.026 χ^2 /NDF:177784.1/6

100.848 $\pm$ 0.021 χ^2 /NDF: 1772882.6/24

101.028 $\pm$ 0.015 χ^2 /NDF: 4023839.9/51

101.208 $\pm$ 0.021 χ^2 /NDF: 2250811.9/26

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

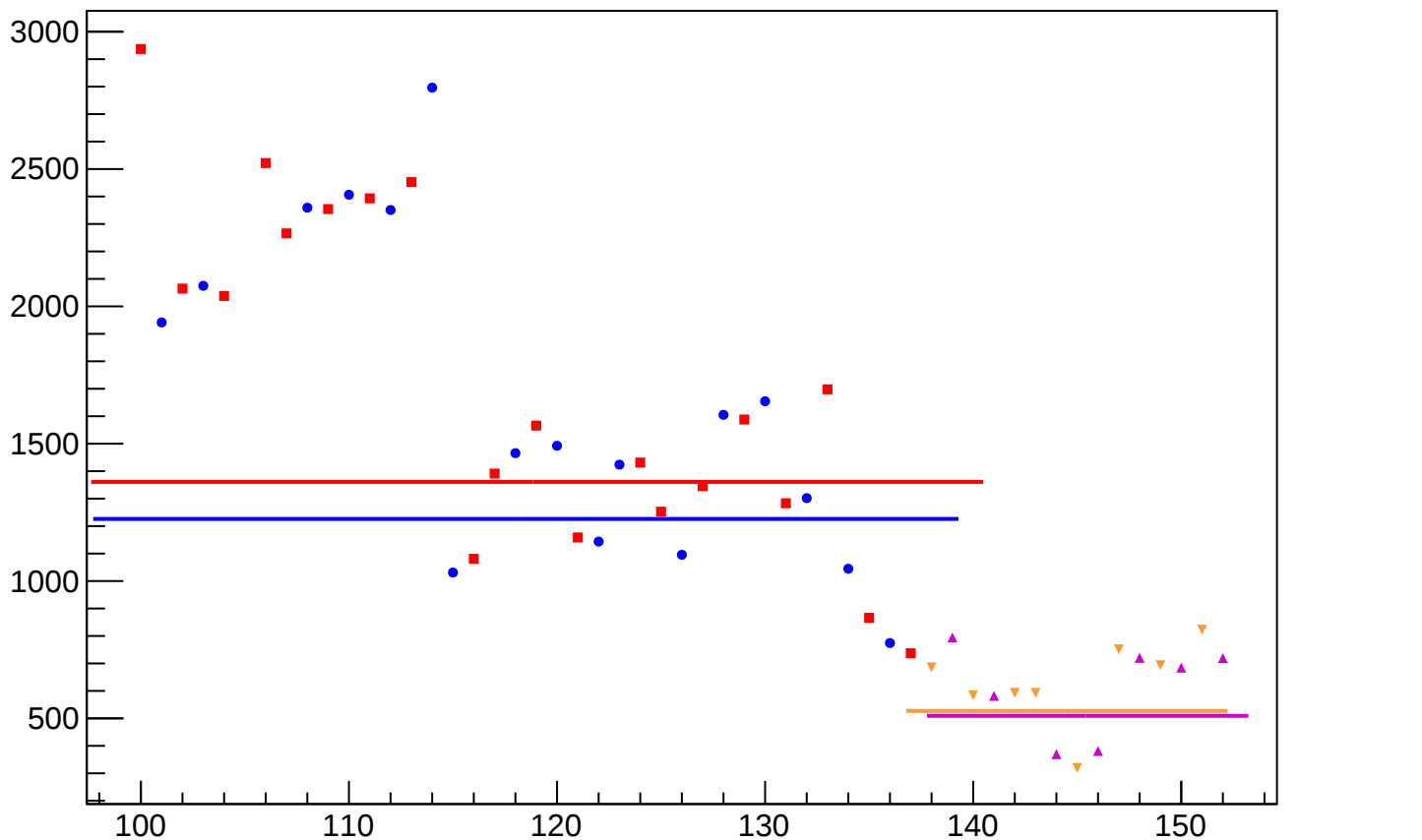
Left In: -247.870+/-225.108 χ^2/NDF : 10.2/6

-590.704+/-212.270 χ^2/NDF : 32.4/24

-360.998+/-148.557 χ^2/NDF : 60.7/51

-140.484+/-207.979 χ^2/NDF : 26.0/26

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

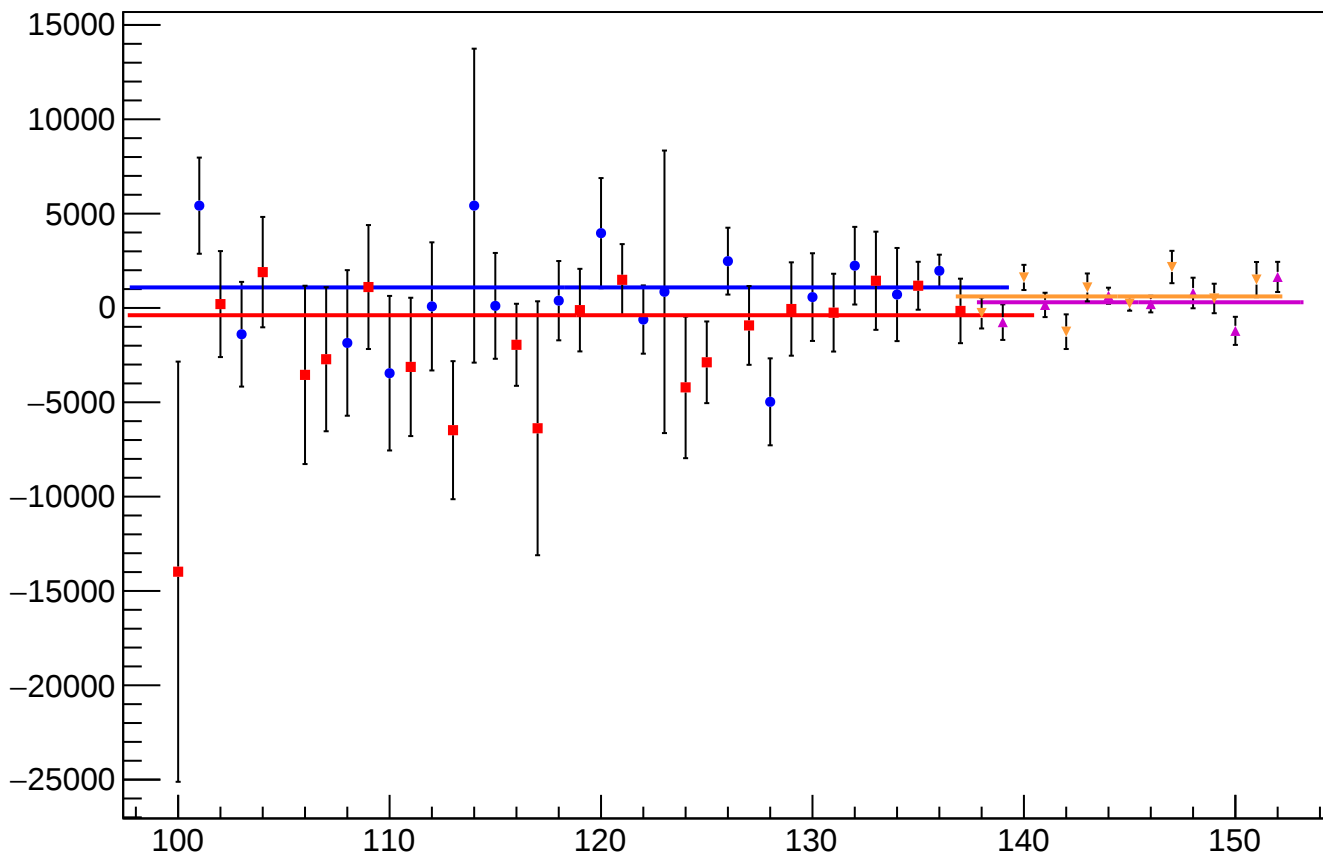
Left In: 509.233 $\pm$ 0.159 χ^2 /NDF: 1006011.0/6

647.098 $\pm$ 0.150 χ^2 /NDF: 6019750.0/24

640.377 $\pm$ 0.105 χ^2 /NDF: 12970520.7/51

633.925 $\pm$ 0.147 χ^2 /NDF: 6946841.2/26

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1089.066 $\pm$ 515.272 χ^2/NDF : 16.9/16

Left Out: 610.924 $\pm$ 237.127 χ^2/NDF : 13.2/7

Right Out: -385.391 $\pm$ 546.382 χ^2/NDF : 13.3/19

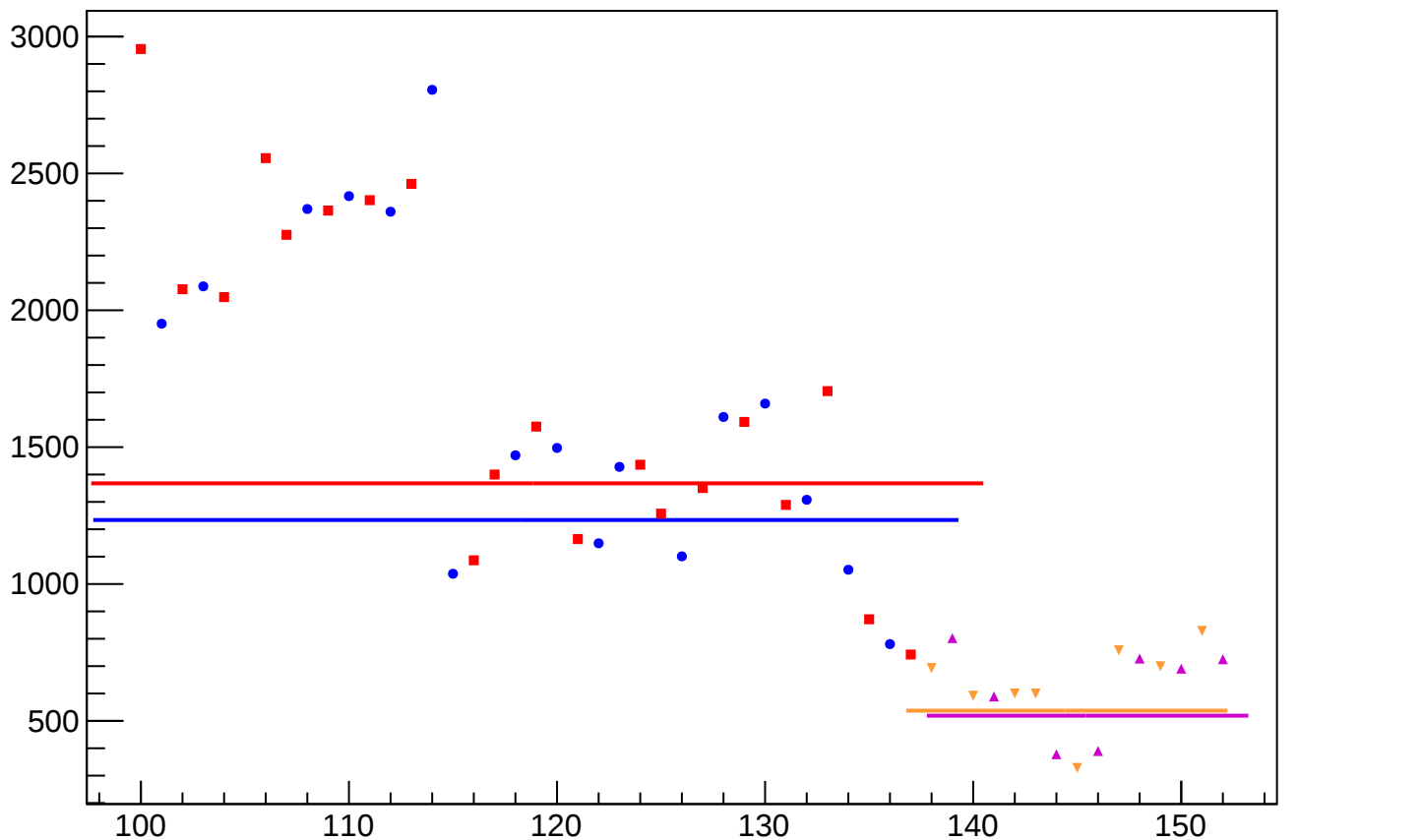
Left In: 301.996 $\pm$ 228.937 χ^2/NDF : 9.3/6

694.488 $\pm$ 215.412 χ^2/NDF : 30.8/24

441.967 $\pm$ 150.790 χ^2/NDF : 57.5/51

199.338 $\pm$ 211.150 χ^2/NDF : 24.0/26

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1233.863+/-0.364 χ^2/NDF : 1744048.5/16

Left Out: 537.353+/-0.168 χ^2/NDF : 1126441.2/7

Right Out: 1367.823+/-0.386 χ^2/NDF : 1744640.3/19

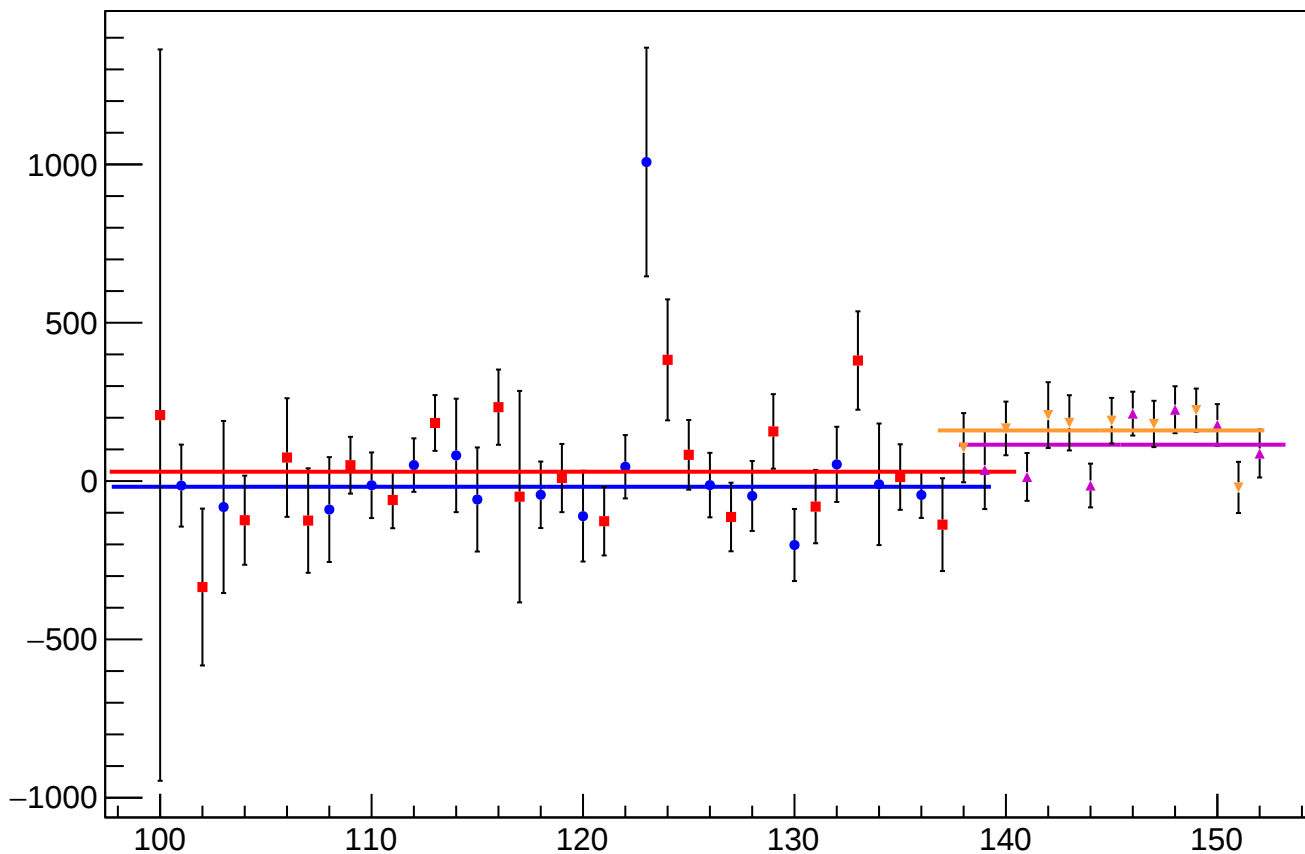
Left In: 519.007+/-0.162 χ^2/NDF : 966388.5/6

659.081+/-0.152 χ^2/NDF : 5886179.5/24

652.294+/-0.107 χ^2/NDF : 12707092.0/51

645.773+/-0.149 χ^2/NDF : 6817019.5/26

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -17.972 $\pm$ 28.848 χ^2/NDF : 13.4/16

Left Out: 159.960 $\pm$ 28.911 χ^2/NDF : 6.7/7

Right Out: 29.517 $\pm$ 27.879 χ^2/NDF : 27.5/19

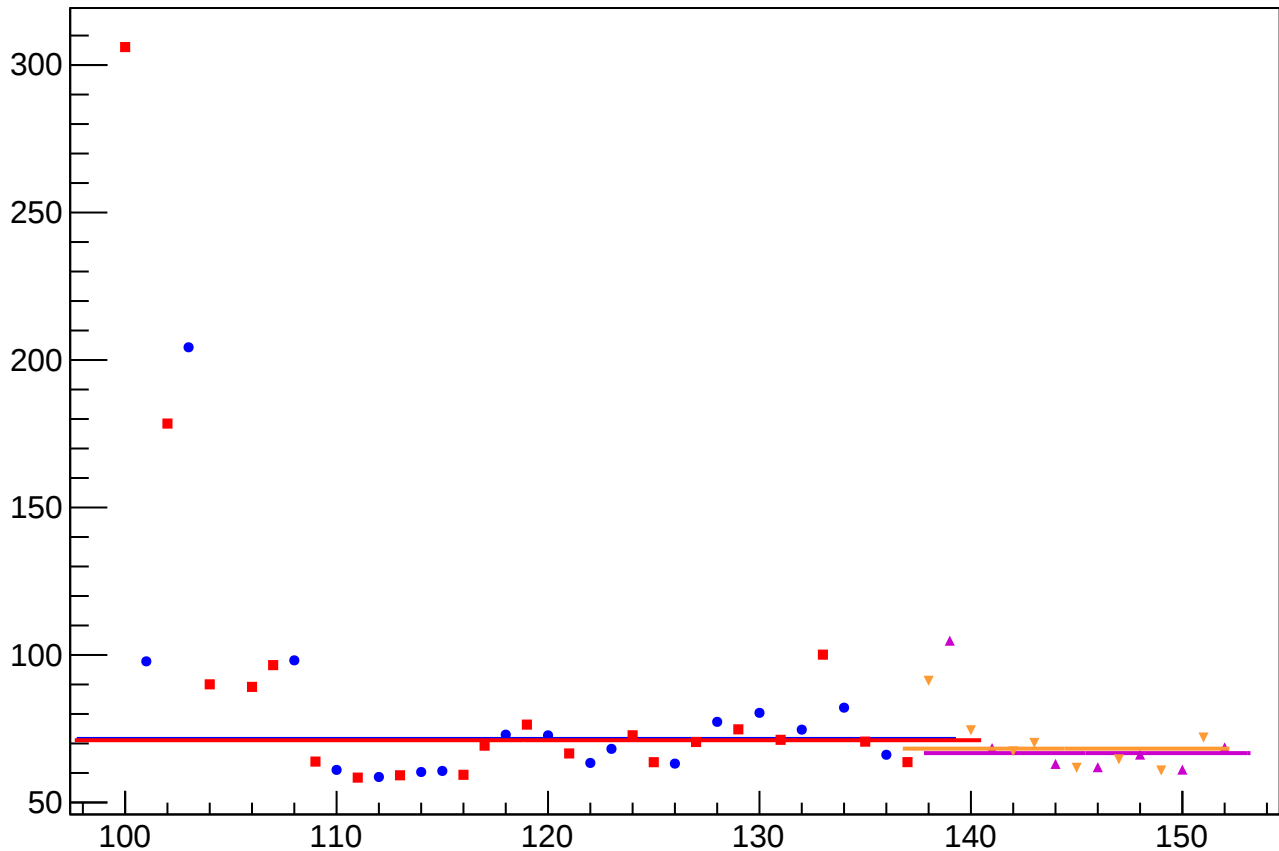
Left In: 114.829 $\pm$ 28.331 χ^2/NDF : 11.0/6

70.800 $\pm$ 20.421 χ^2/NDF : 39.0/24

71.153 $\pm$ 14.241 χ^2/NDF : 82.0/51

71.487 $\pm$ 19.871 χ^2/NDF : 43.0/26

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 71.536 ± 0.020 $\chi^2/\text{NDF}: 758961.6/16$

Left Out: 68.250 ± 0.020 $\chi^2/\text{NDF}: 149716.9/7$

Right Out: 71.102 ± 0.020 $\chi^2/\text{NDF}: 765220.8/19$

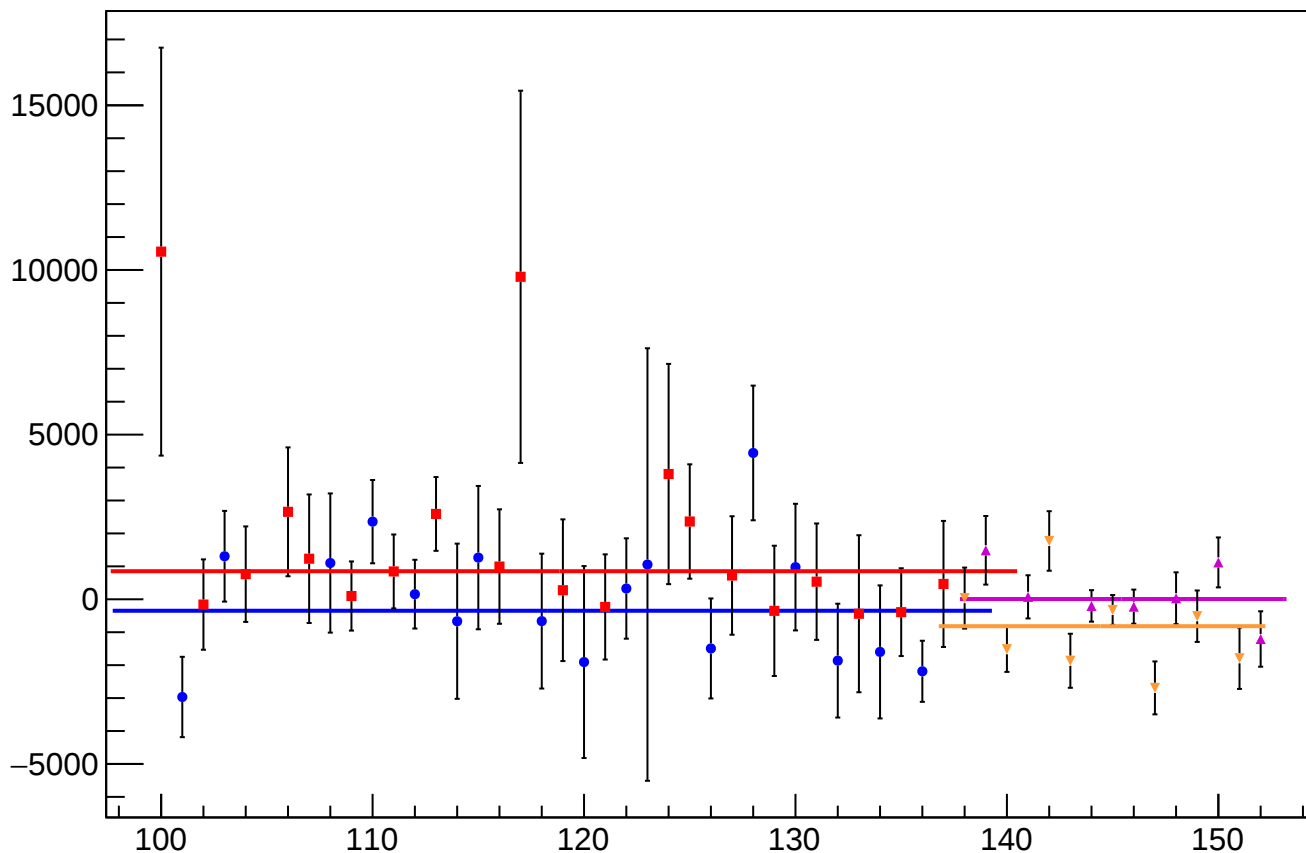
Left In: 66.731 ± 0.020 $\chi^2/\text{NDF}: 222546.5/6$

69.896 ± 0.014 $\chi^2/\text{NDF}: 921627.4/24$

69.411 ± 0.010 $\chi^2/\text{NDF}: 1935783.2/51$

68.952 ± 0.014 $\chi^2/\text{NDF}: 1011957.0/26$

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: -347.939 ± 381.994 $\chi^2/\text{NDF}: 24.1/16$

Left Out: -816.688 ± 256.507 $\chi^2/\text{NDF}: 19.6/7$

Right Out: 852.433 ± 369.018 $\chi^2/\text{NDF}: 13.0/19$

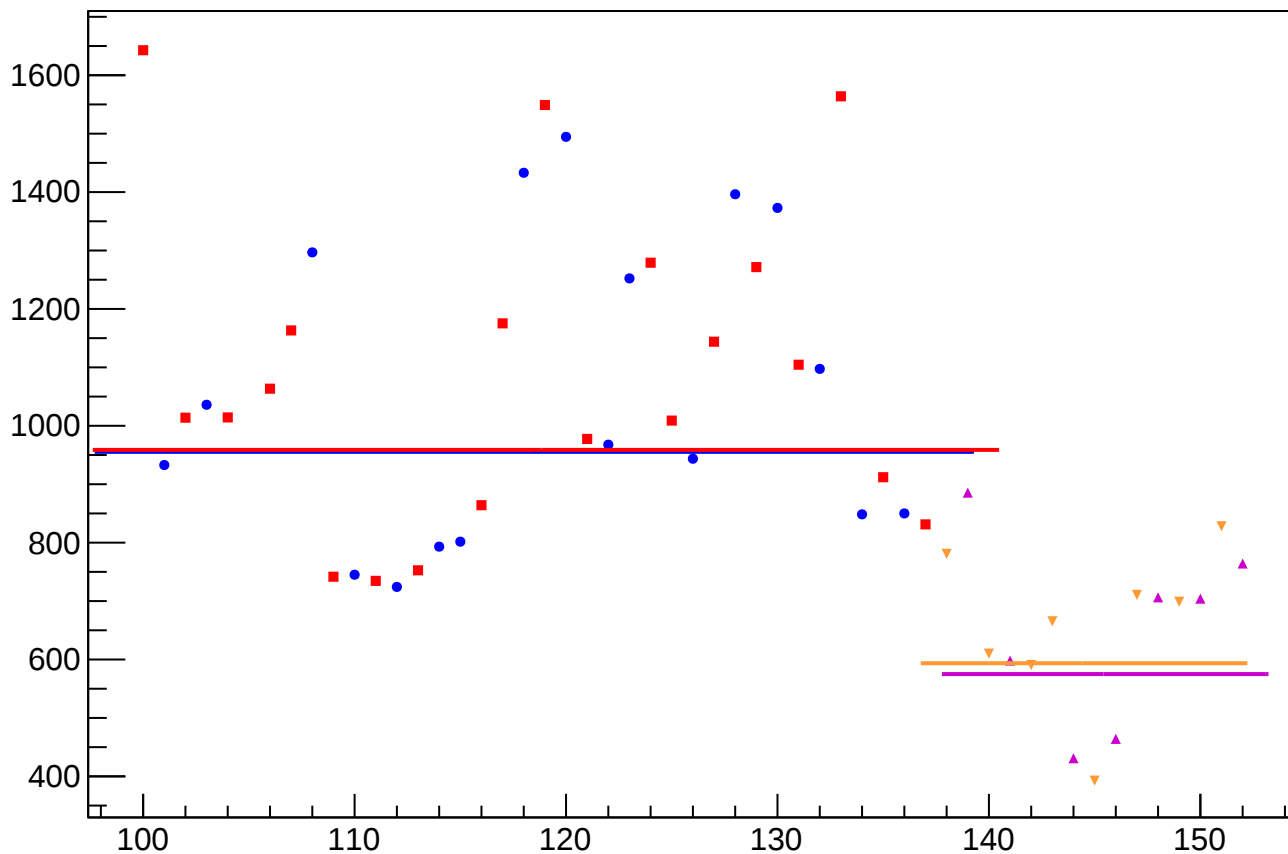
Left In: 8.031 ± 249.053 $\chi^2/\text{NDF}: 6.6/6$

-671.013 ± 212.951 $\chi^2/\text{NDF}: 44.7/24$

-184.713 ± 148.222 $\chi^2/\text{NDF}: 78.0/51$

272.288 ± 206.436 $\chi^2/\text{NDF}: 23.3/26$

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

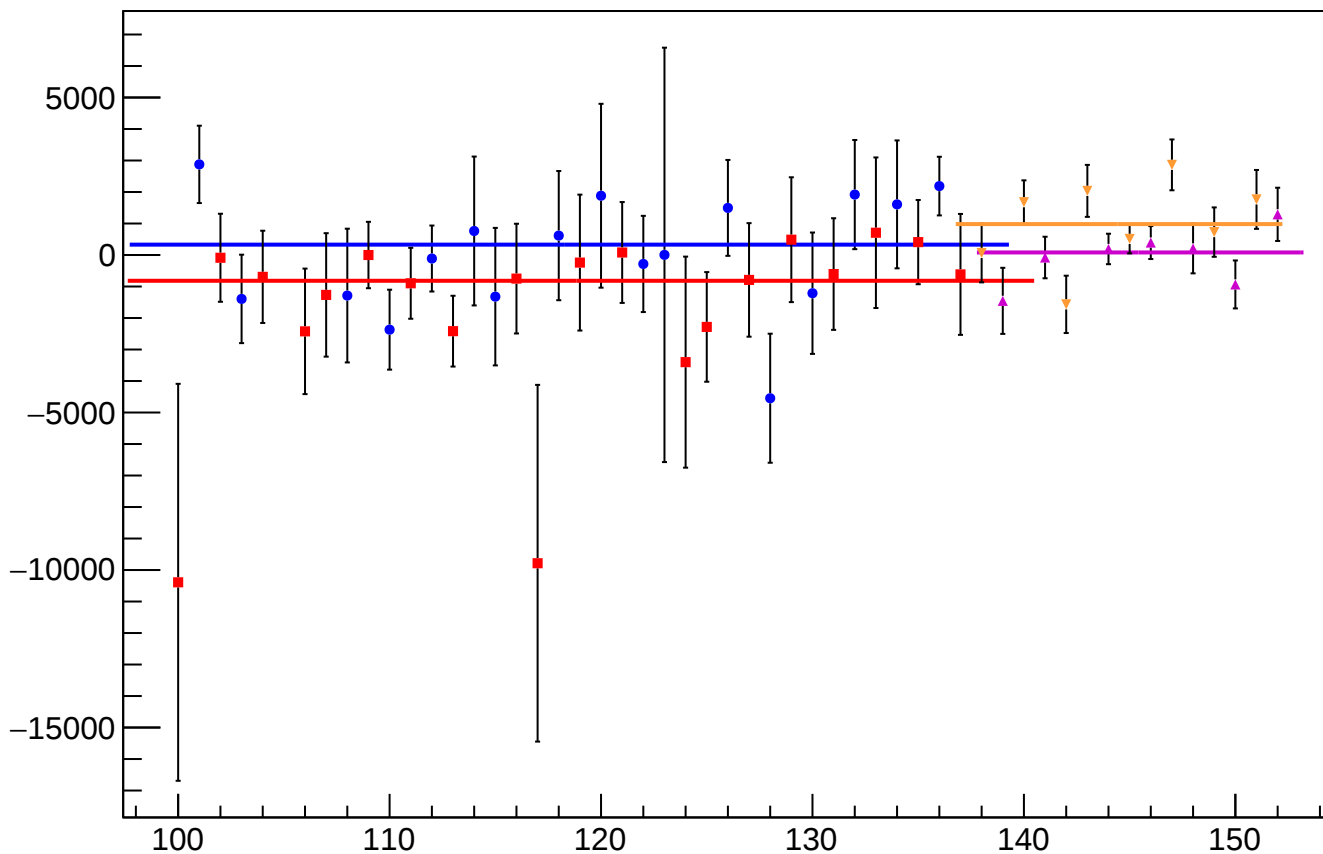
Left In: 575.097 $\pm$ 0.176 χ^2 /NDF: 668329.7/6

706.068 $\pm$ 0.151 χ^2 /NDF: 2580095.7/24

700.450 $\pm$ 0.105 χ^2 /NDF: 5432608.3/51

695.170 $\pm$ 0.146 χ^2 /NDF: 2849812.1/26

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 329.164 $\pm$ 383.728 χ^2 /NDF: 24.3/16

Left Out: 981.351 $\pm$ 258.572 χ^2 /NDF:18.7/7

Right Out: -818.253 $\pm$ 370.875 χ^2 /NDF: 11.8/19

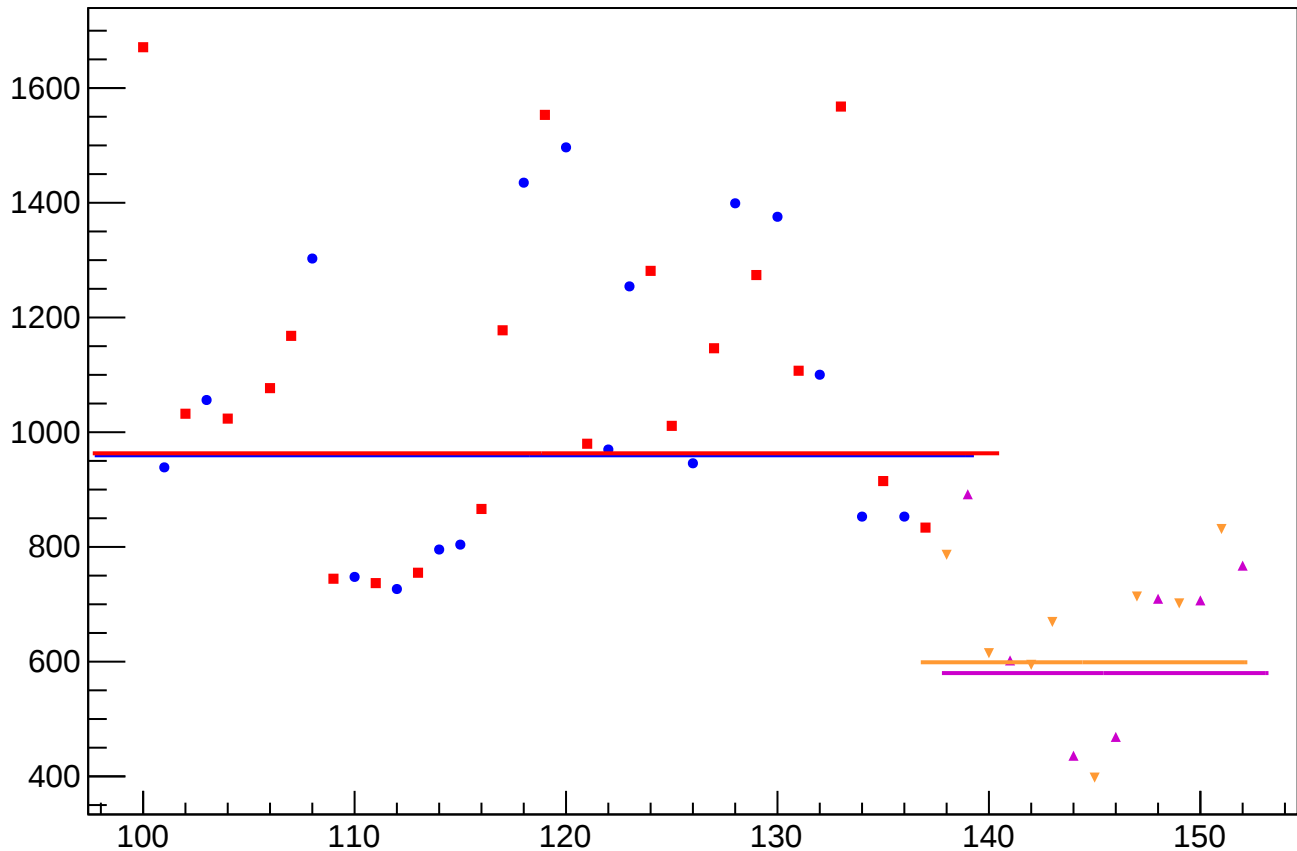
Left In: 81.332 $\pm$ 251.032 χ^2 /NDF:6.5/6

777.692 $\pm$ 214.432 χ^2 /NDF: 45.0/24

273.021 $\pm$ 149.259 χ^2 /NDF: 78.1/51

-201.316 $\pm$ 207.888 χ^2 /NDF: 22.3/26

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

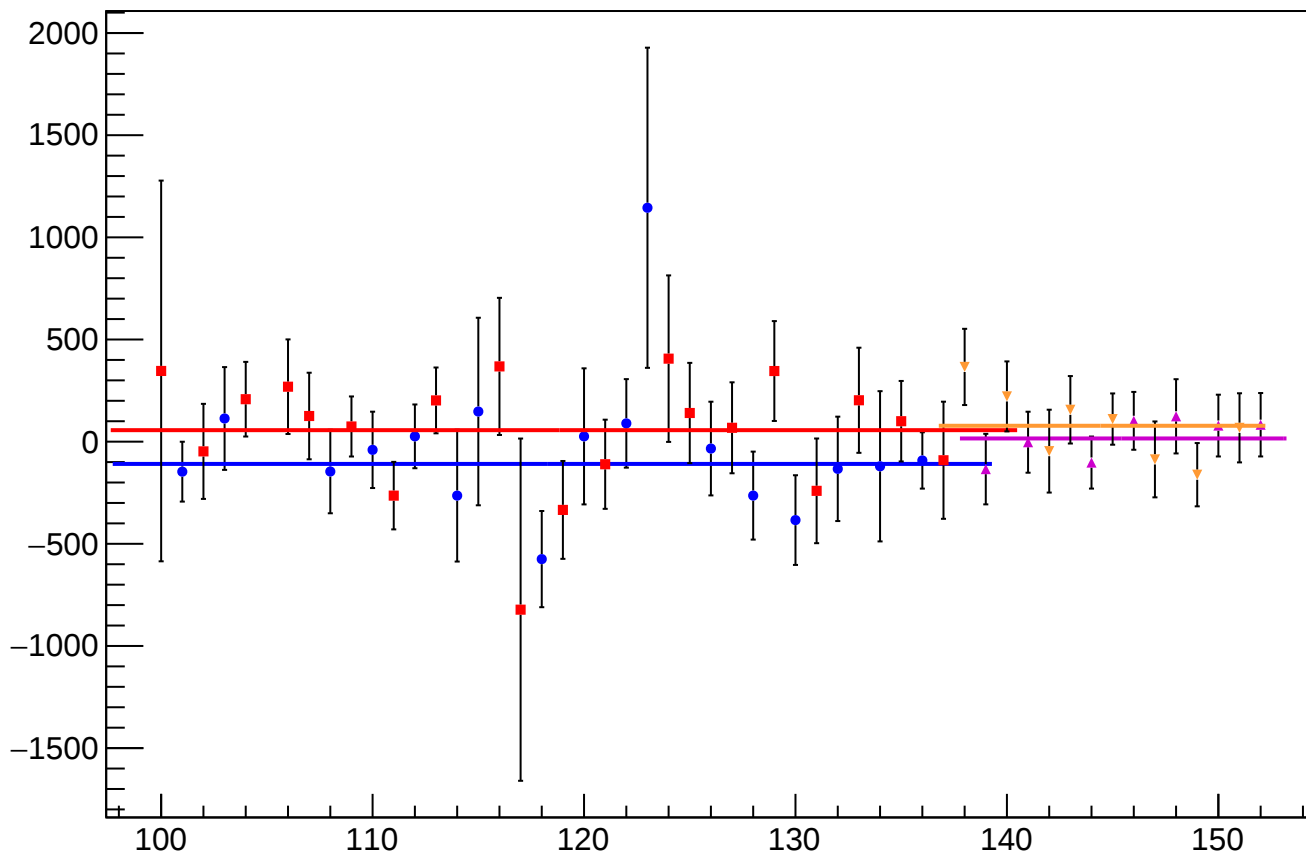
Left In: 580.078 +/- 0.178 χ^2/NDF : 654527.2/6

711.587 +/- 0.152 χ^2/NDF : 2541679.0/24

705.854 +/- 0.106 χ^2/NDF : 5361591.8/51

700.466 +/- 0.147 χ^2/NDF : 2817139.7/26

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

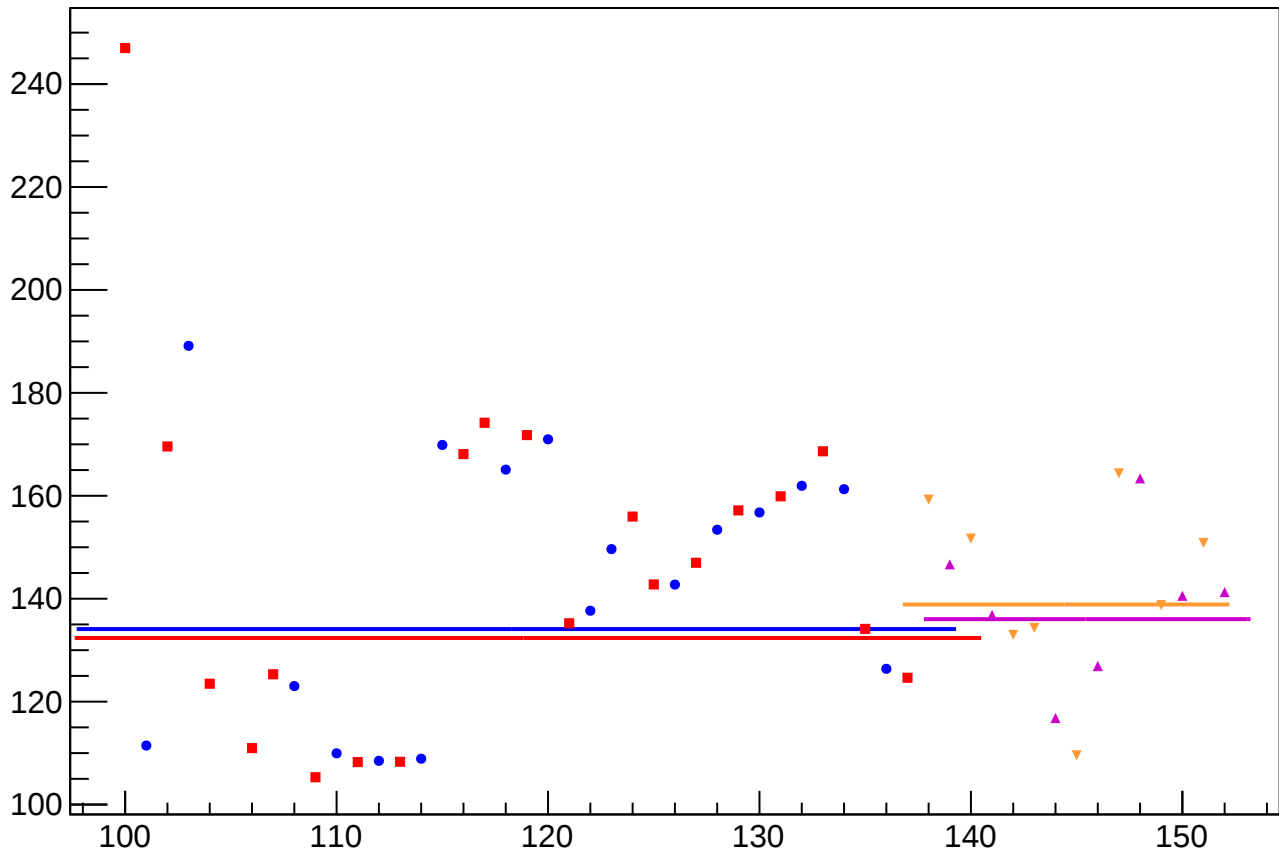
Left In: 15.643±/57.210 χ^2/NDF : 2.7/6

-24.797±/39.222 χ^2/NDF : 24.6/24

7.823±/27.276 χ^2/NDF : 44.9/51

38.371±/37.956 χ^2/NDF : 19.0/26

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.103+/-0.037 χ^2/NDF : 402581.2/16

Left Out: 138.879+/-0.041 χ^2/NDF : 194962.6/7

Right Out: 132.373+/-0.036 χ^2/NDF : 446741.9/19

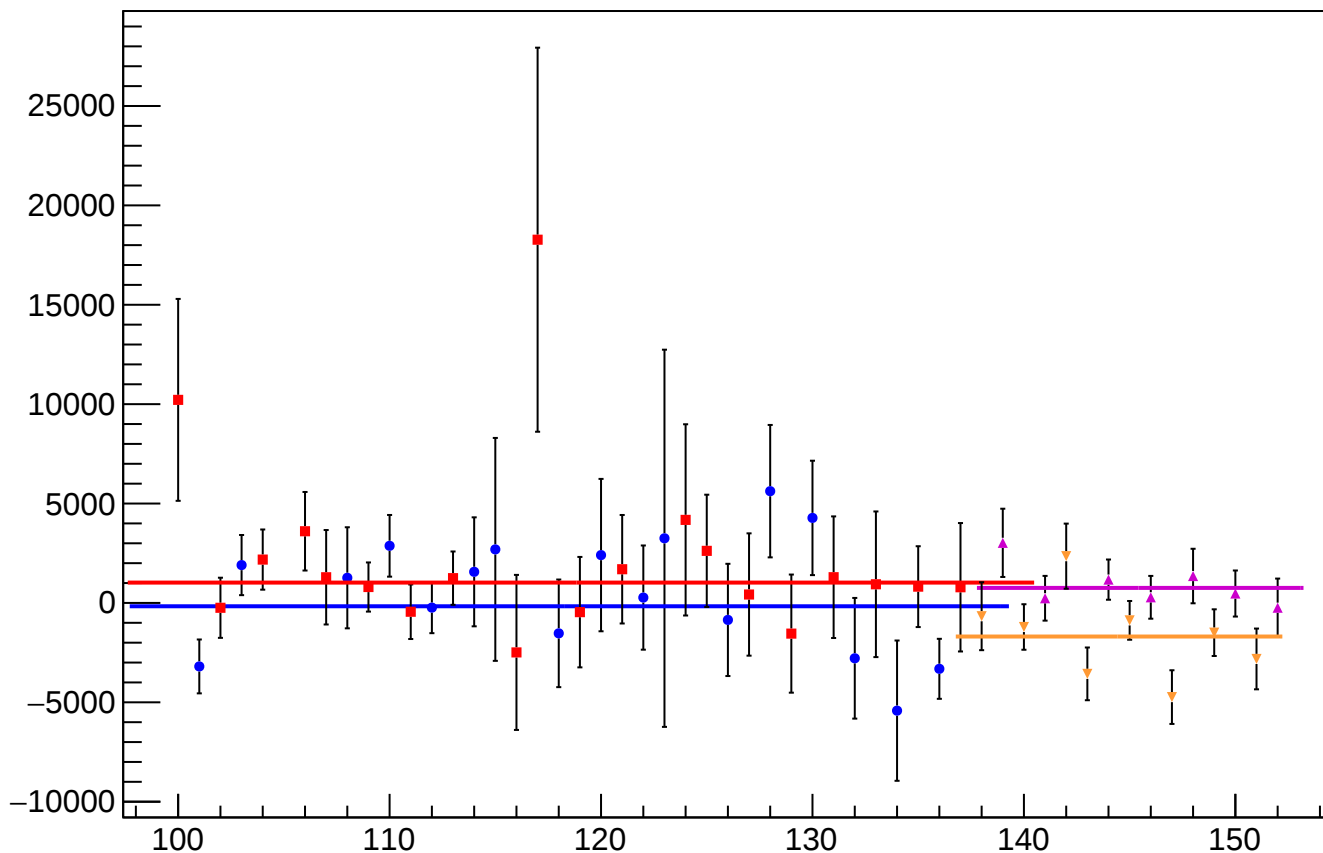
Left In: 136.029+/-0.040 χ^2/NDF : 110943.6/6

136.256+/-0.028 χ^2/NDF : 604884.8/24

135.082+/-0.019 χ^2/NDF : 1170614.6/51

133.982+/-0.027 χ^2/NDF : 562259.4/26

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



Right In: -168.237 ± 523.672 $\chi^2/\text{NDF}: 25.3/16$

Left Out: -1690.348 ± 456.355 $\chi^2/\text{NDF}: 15.0/7$

Right Out: 1023.271 ± 480.373 $\chi^2/\text{NDF}: 13.4/19$

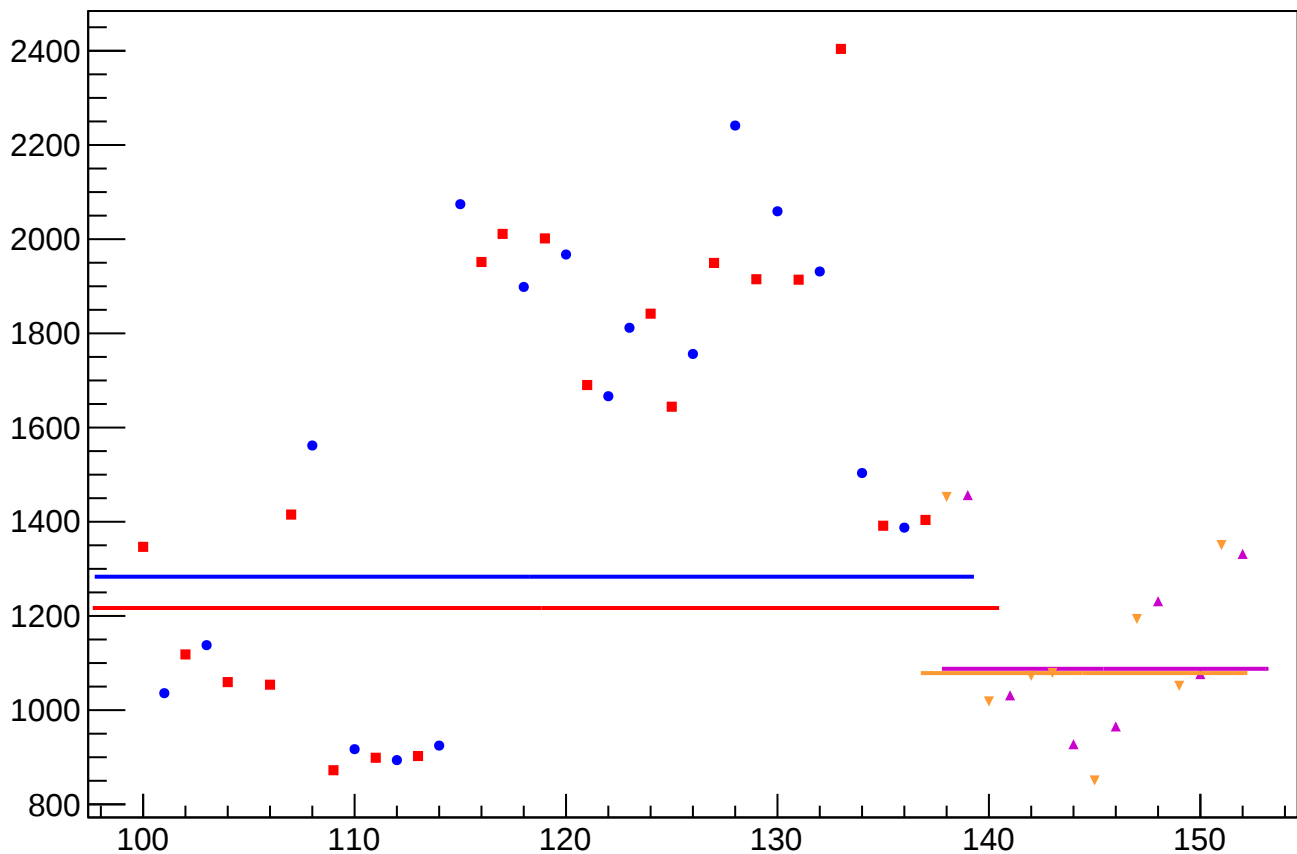
Left In: 755.706 ± 460.725 $\chi^2/\text{NDF}: 3.0/6$

-1033.354 ± 344.047 $\chi^2/\text{NDF}: 45.1/24$

-42.045 ± 239.095 $\chi^2/\text{NDF}: 77.8/51$

883.905 ± 332.511 $\chi^2/\text{NDF}: 16.6/26$

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

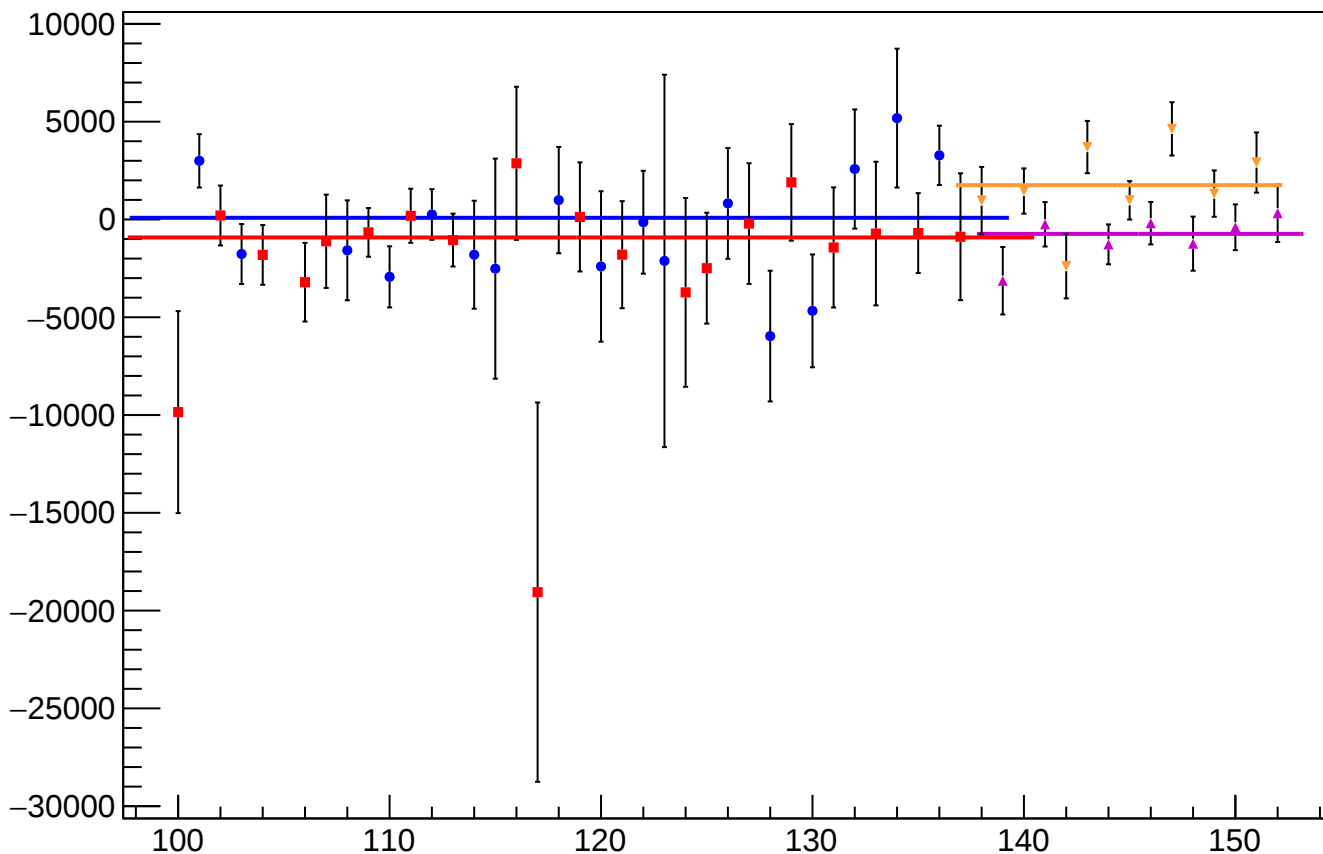
Left In: 1087.791 $\pm$ 0.326 χ^2 /NDF: 250721.4/6

1167.001 $\pm$ 0.243 χ^2 /NDF: 1632639.9/24

1158.019 $\pm$ 0.169 χ^2 /NDF: 3335608.7/51

1149.628 $\pm$ 0.235 χ^2 /NDF: 1700332.0/26

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

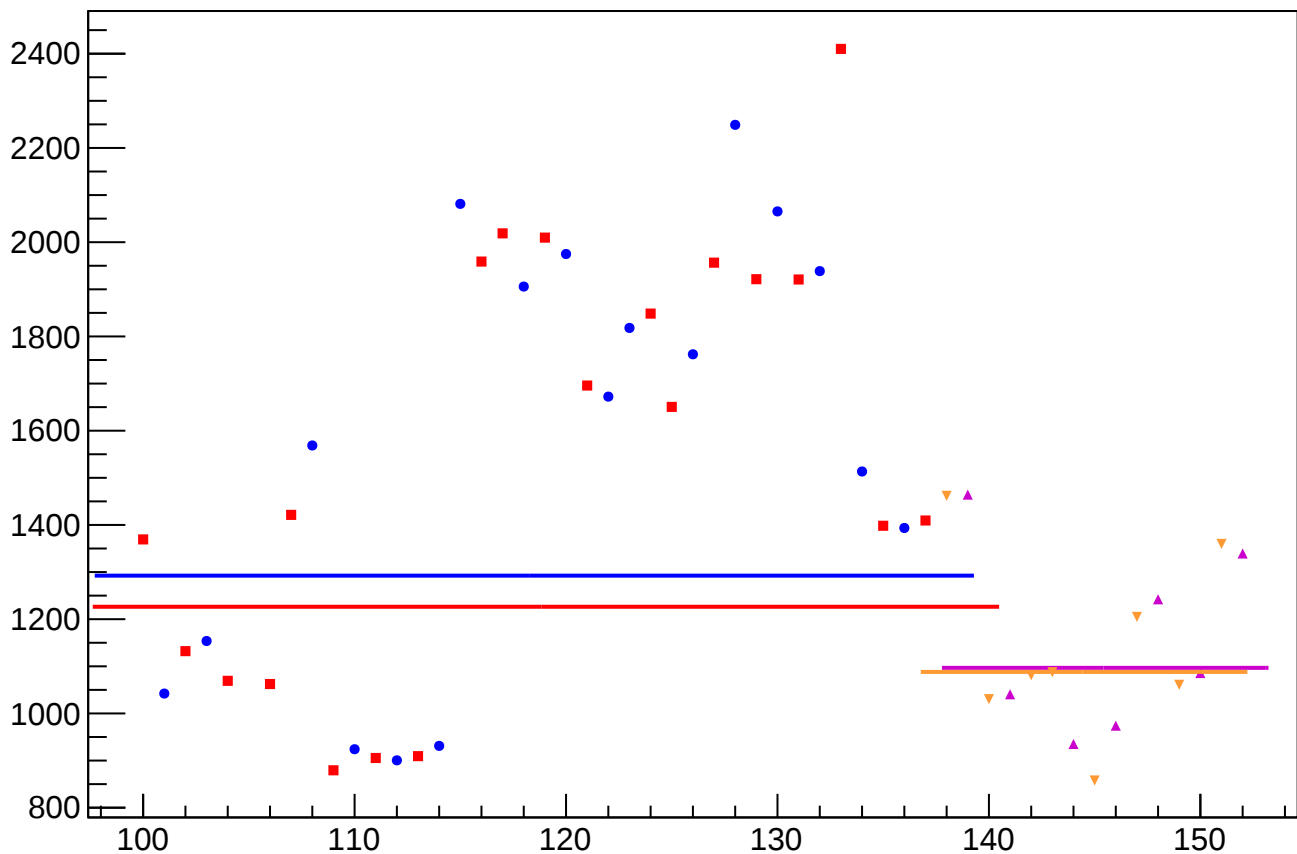
Left In: -737.638+/-464.450 χ^2/NDF : 3.4/6

1032.515+/-346.696 χ^2/NDF : 44.9/24

72.251+/-240.957 χ^2/NDF : 75.3/51

-825.002+/-335.128 χ^2/NDF : 15.6/26

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

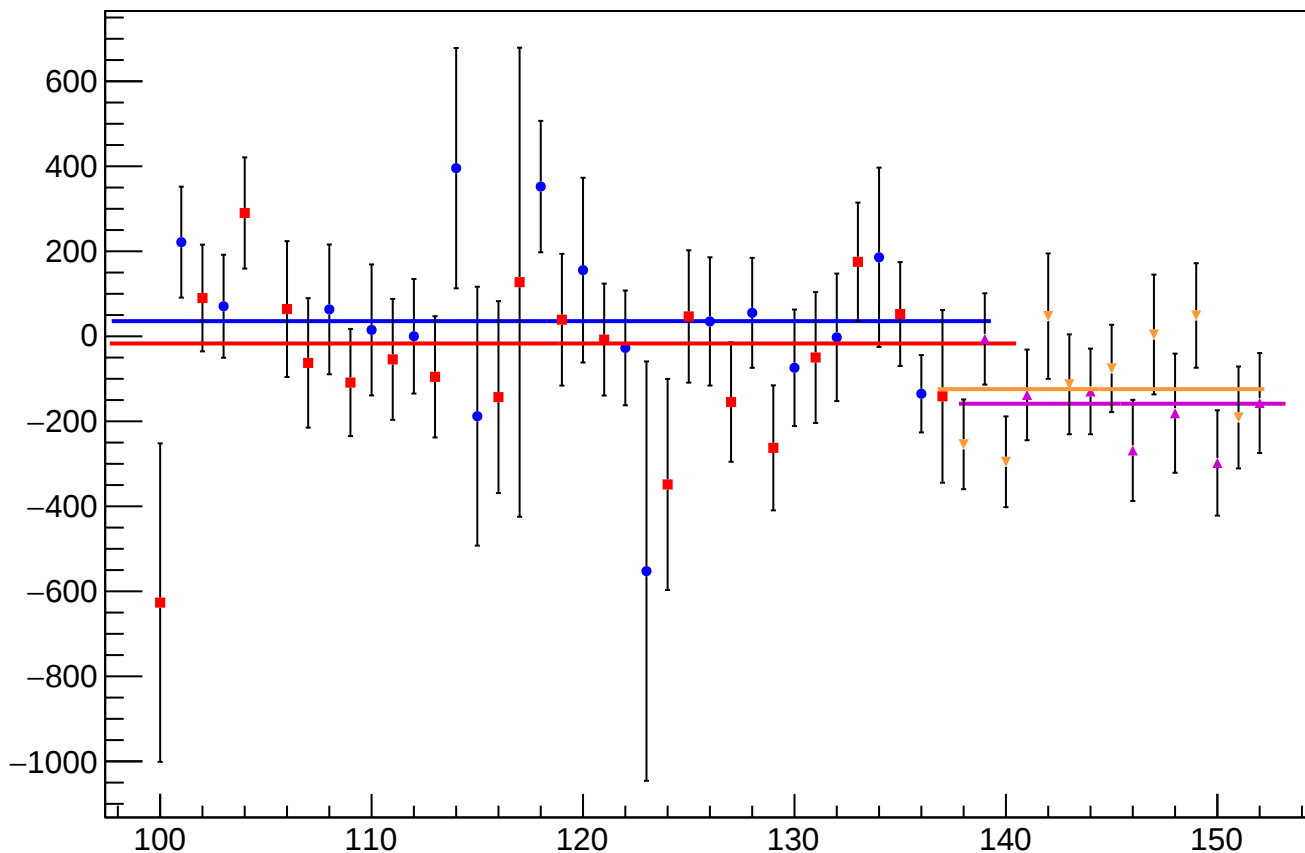
Left In: 1096.777 $\pm$ 0.328 χ^2/NDF : 247858.6/6

1176.517 $\pm$ 0.245 χ^2/NDF : 1614512.1/24

1167.418 $\pm$ 0.170 χ^2/NDF : 3298853.8/51

1158.916 $\pm$ 0.237 χ^2/NDF : 1681676.9/26

reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 35.679 $\pm$ 36.350 χ^2 /NDF: 15.3/16

Left Out: -124.299 $\pm$ 41.639 χ^2 /NDF: 8.8/7

Right Out: -16.849 $\pm$ 34.623 χ^2 /NDF: 19.0/19

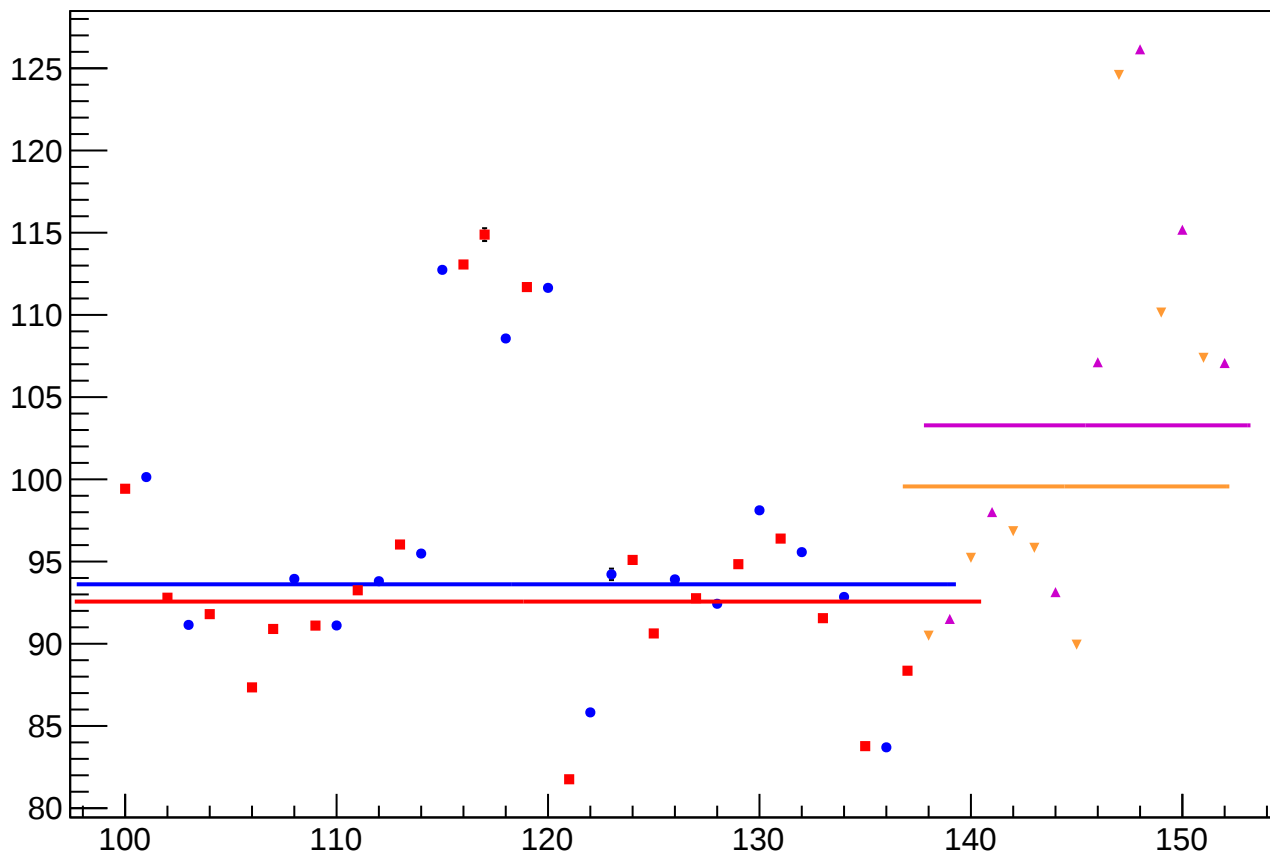
Left In: -158.569 $\pm$ 43.353 χ^2 /NDF: 4.3/6

-33.512 $\pm$ 27.384 χ^2 /NDF: 32.5/24

-53.008 $\pm$ 19.246 χ^2 /NDF: 63.2/51

-72.038 $\pm$ 27.054 χ^2 /NDF: 29.8/26

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

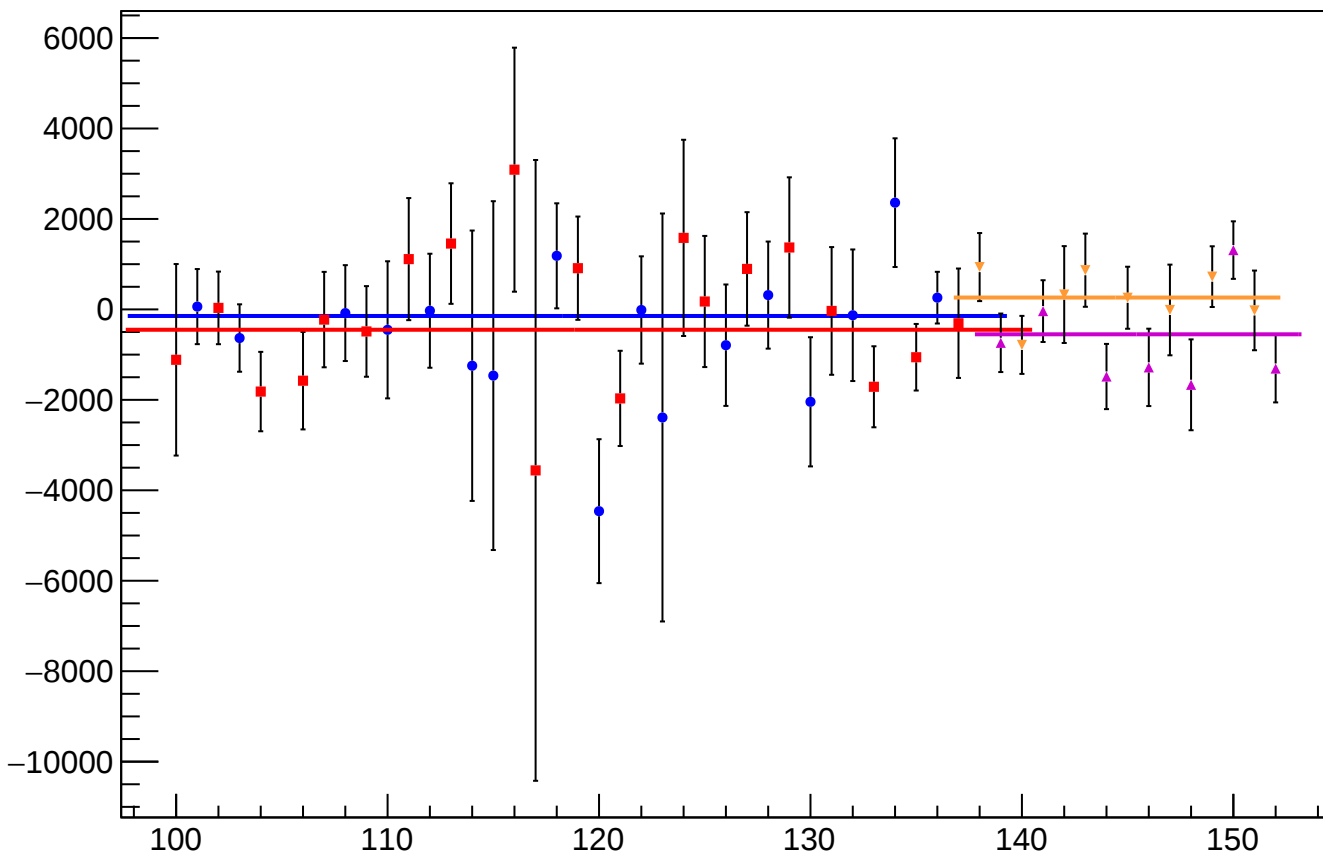
Left In: 103.284 $\pm$ 0.031 χ^2 /NDF: 125065.1/6

96.190 $\pm$ 0.019 χ^2 /NDF: 227879.4/24

96.468 $\pm$ 0.014 χ^2 /NDF: 509867.1/51

96.739 $\pm$ 0.019 χ^2 /NDF: 281580.9/26

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

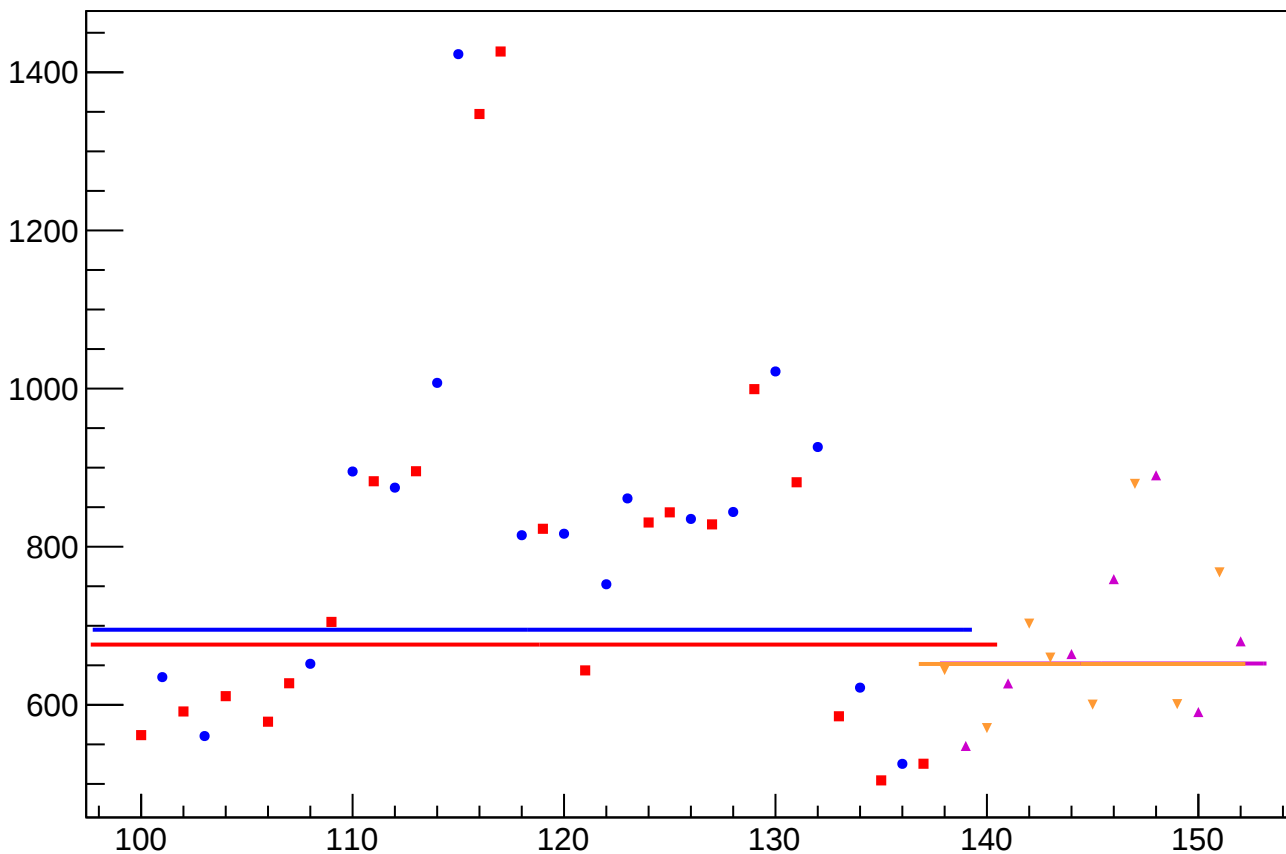
Left In: -550.676 $\pm$ 276.582 χ^2 /NDF: 13.9/6

59.698 $\pm$ 195.021 χ^2 /NDF: 21.3/24

-226.822 $\pm$ 135.897 χ^2 /NDF: 58.6/51

-497.272 $\pm$ 189.473 χ^2 /NDF: 33.1/26

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

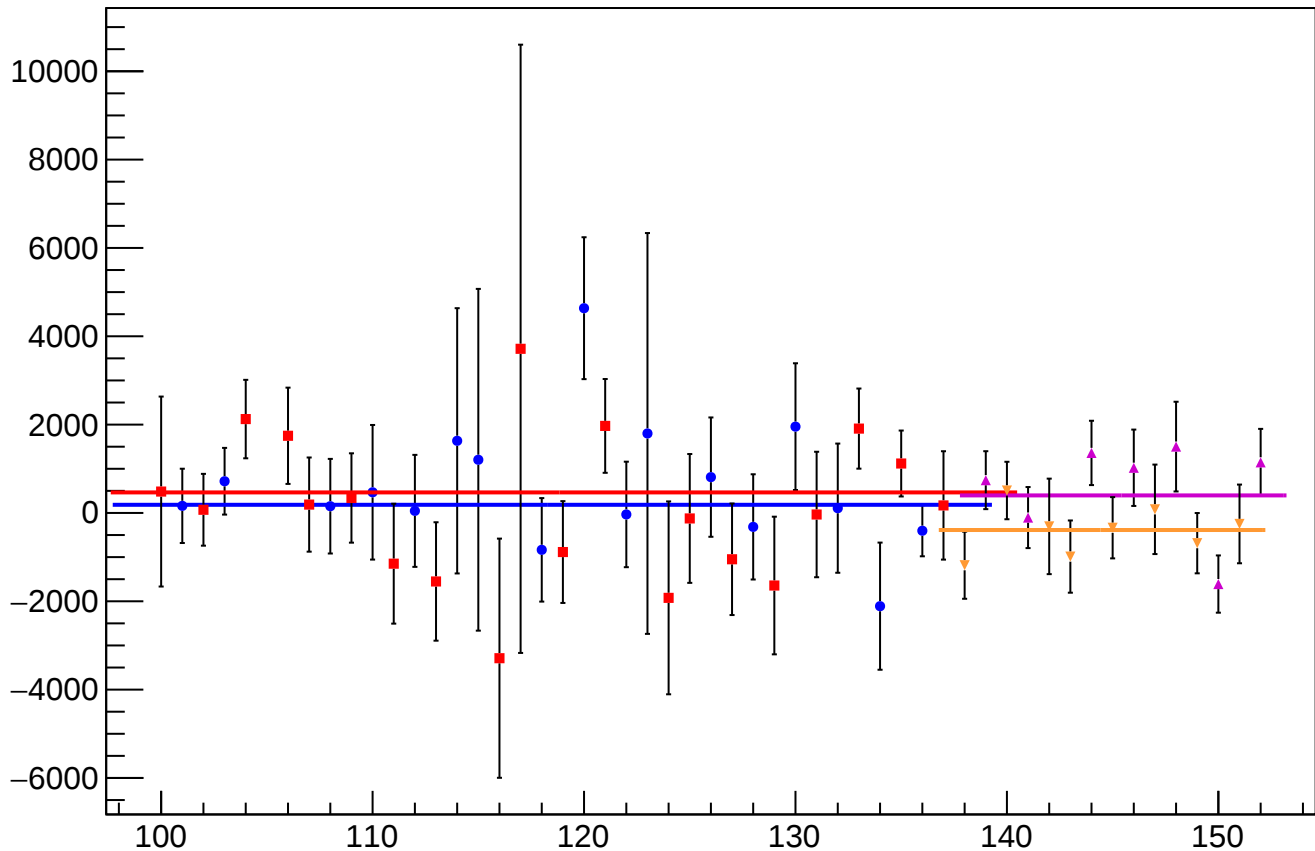
Left In: 652.285 $\pm$ 0.196 χ^2 /NDF: 220049.6/6

673.230 $\pm$ 0.138 χ^2 /NDF: 899782.7/24

668.992 $\pm$ 0.096 χ^2 /NDF: 1829936.5/51

664.992 $\pm$ 0.134 χ^2 /NDF: 928318.3/26

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

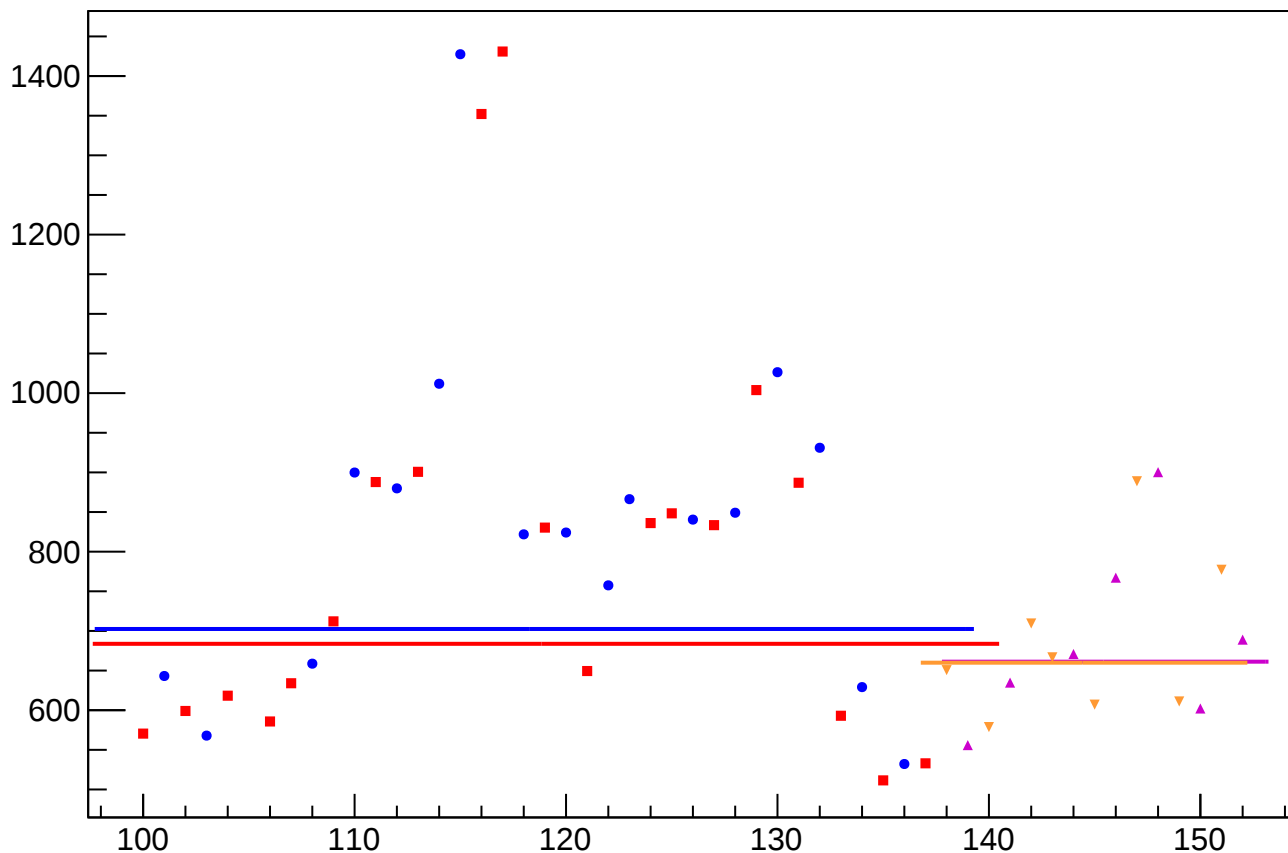
Left In: 397.147 ± 280.248 χ^2/NDF : 14.8/6

-101.944 ± 197.192 χ^2/NDF : 21.0/24

173.207 ± 137.448 χ^2/NDF : 62.2/51

433.211 ± 191.687 χ^2/NDF : 37.4/26

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

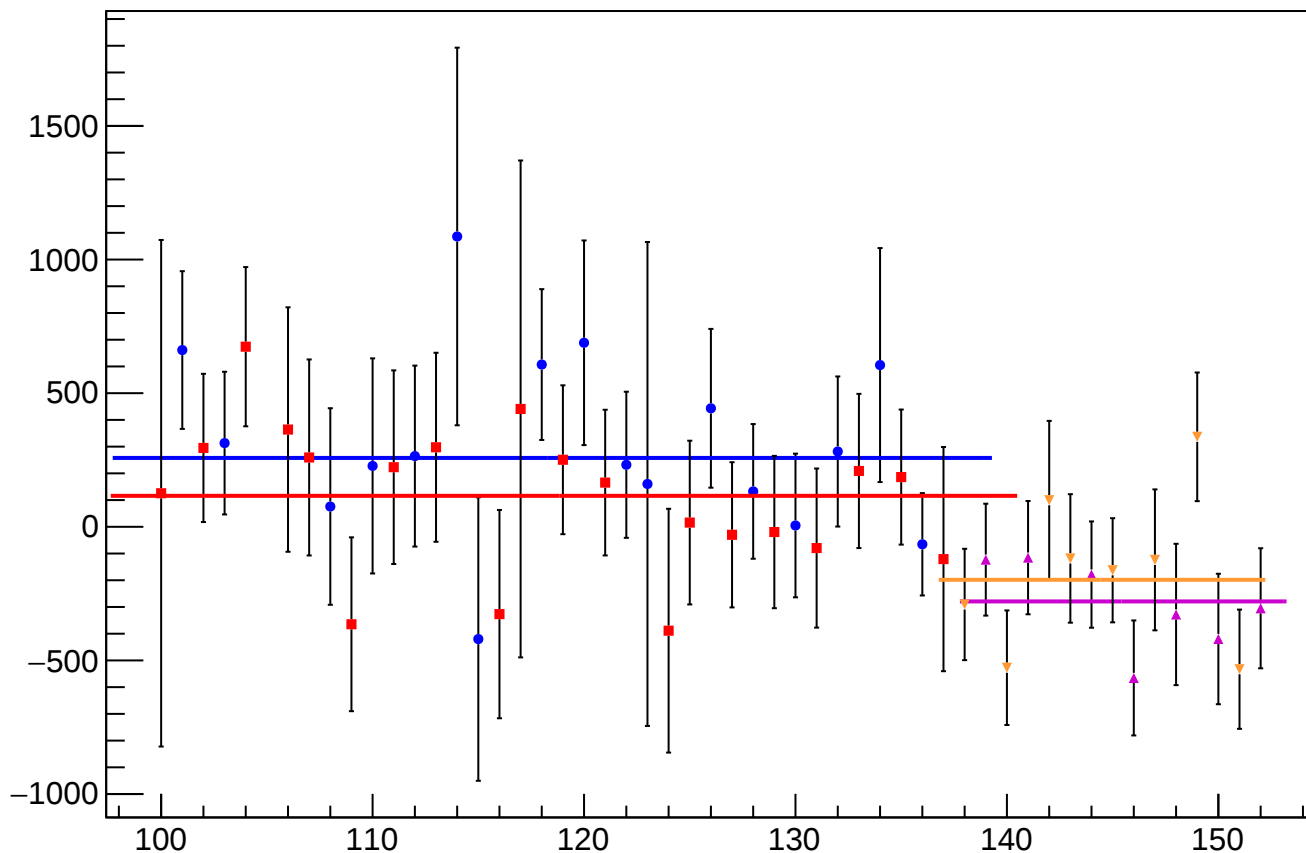
Left In: 661.223+/-0.198 χ^2/NDF : 215029.1/6

681.130+/-0.139 χ^2/NDF : 878236.4/24

677.059+/-0.097 χ^2/NDF : 1784906.1/51

673.212+/-0.136 χ^2/NDF : 905011.8/26

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

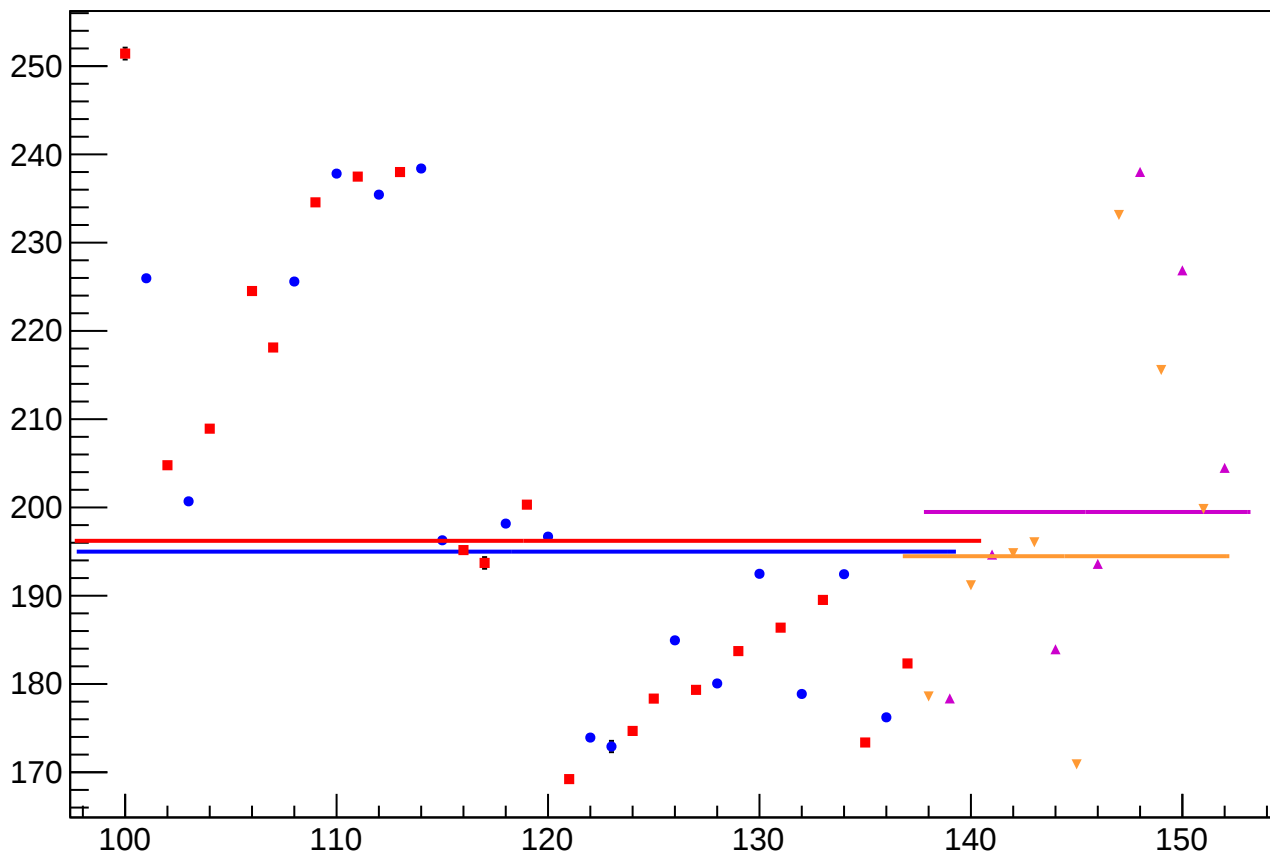
Left In: -279.217 $\pm$ 83.662 χ^2 /NDF:3.6/6

45.064 $\pm$ 55.471 χ^2 /NDF: 40.8/24

-6.246 $\pm$ 39.205 χ^2 /NDF: 69.9/51

-57.458 $\pm$ 55.418 χ^2 /NDF: 27.4/26

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

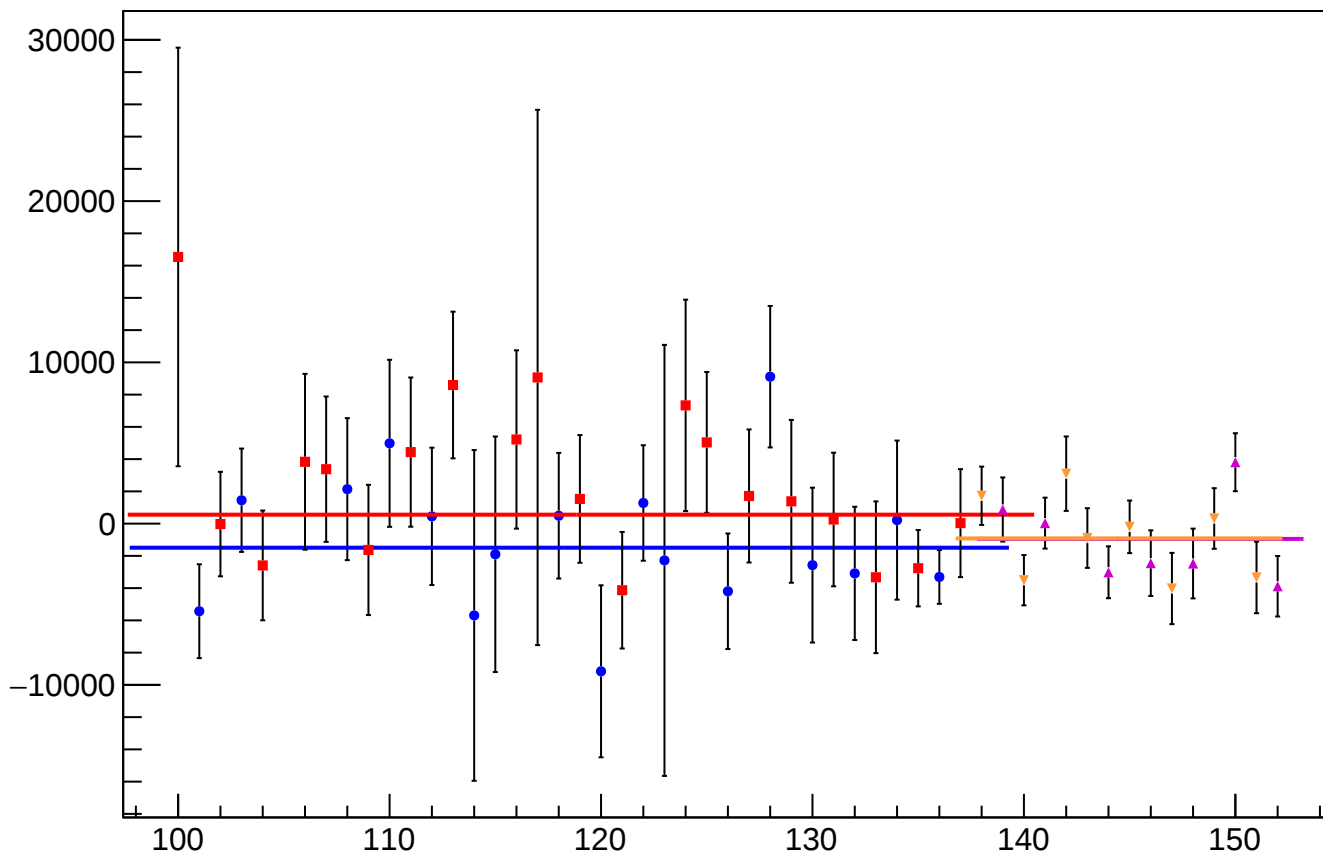
Left In: 199.487 $\pm$ 0.059 χ^2 /NDF:103713.0/6

194.753 $\pm$ 0.039 χ^2 /NDF: 245289.6/24

196.204 $\pm$ 0.028 χ^2 /NDF: 526956.9/51

197.653 $\pm$ 0.039 χ^2 /NDF: 278931.5/26

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -1493.280 ± 910.834 χ^2/NDF : 16.1/16

Left Out: -918.966 ± 664.586 χ^2/NDF : 11.7/7

Right Out: 555.744 ± 933.239 χ^2/NDF : 14.9/19

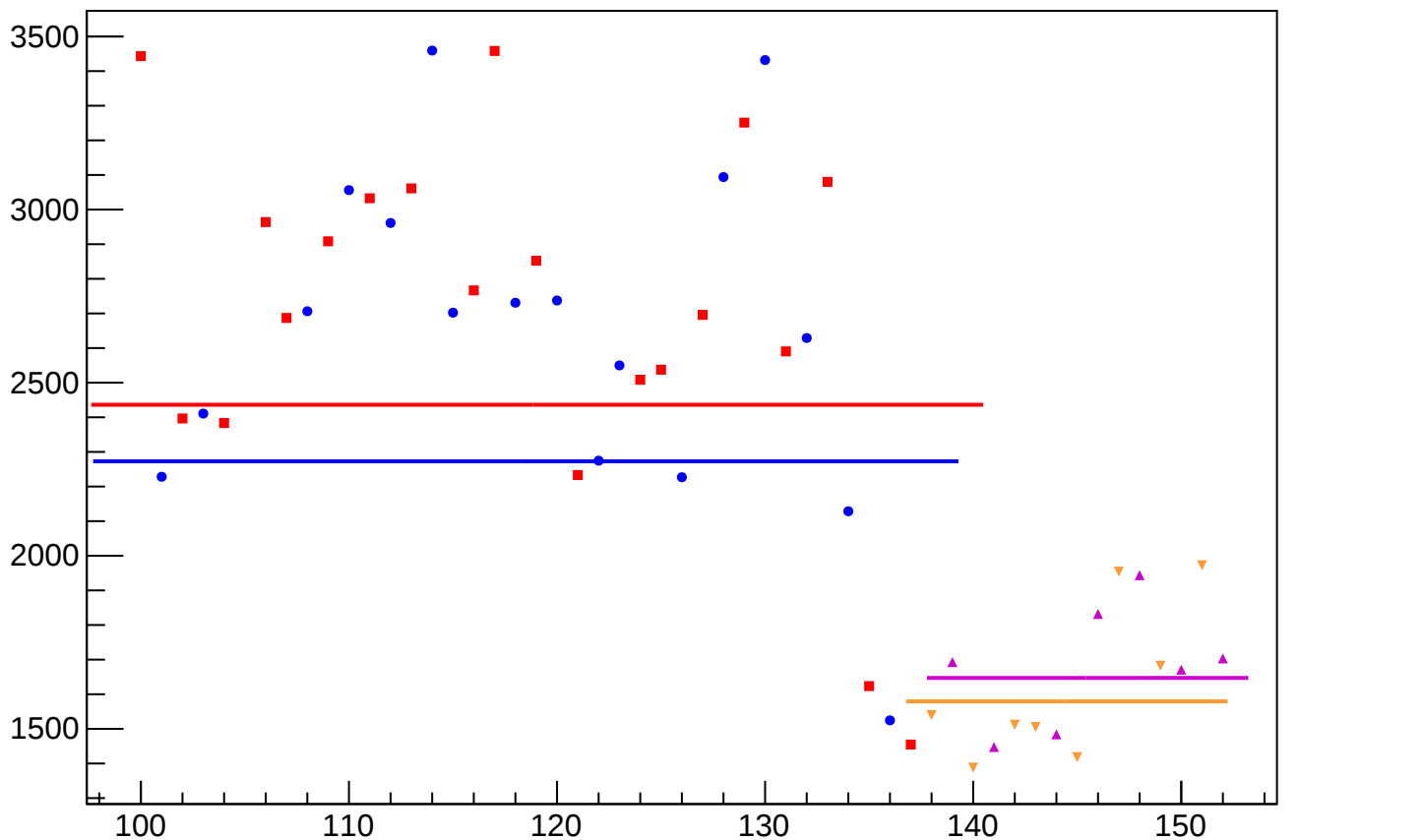
Left In: -946.931 ± 691.904 χ^2/NDF : 13.4/6

-1118.495 ± 536.868 χ^2/NDF : 28.1/24

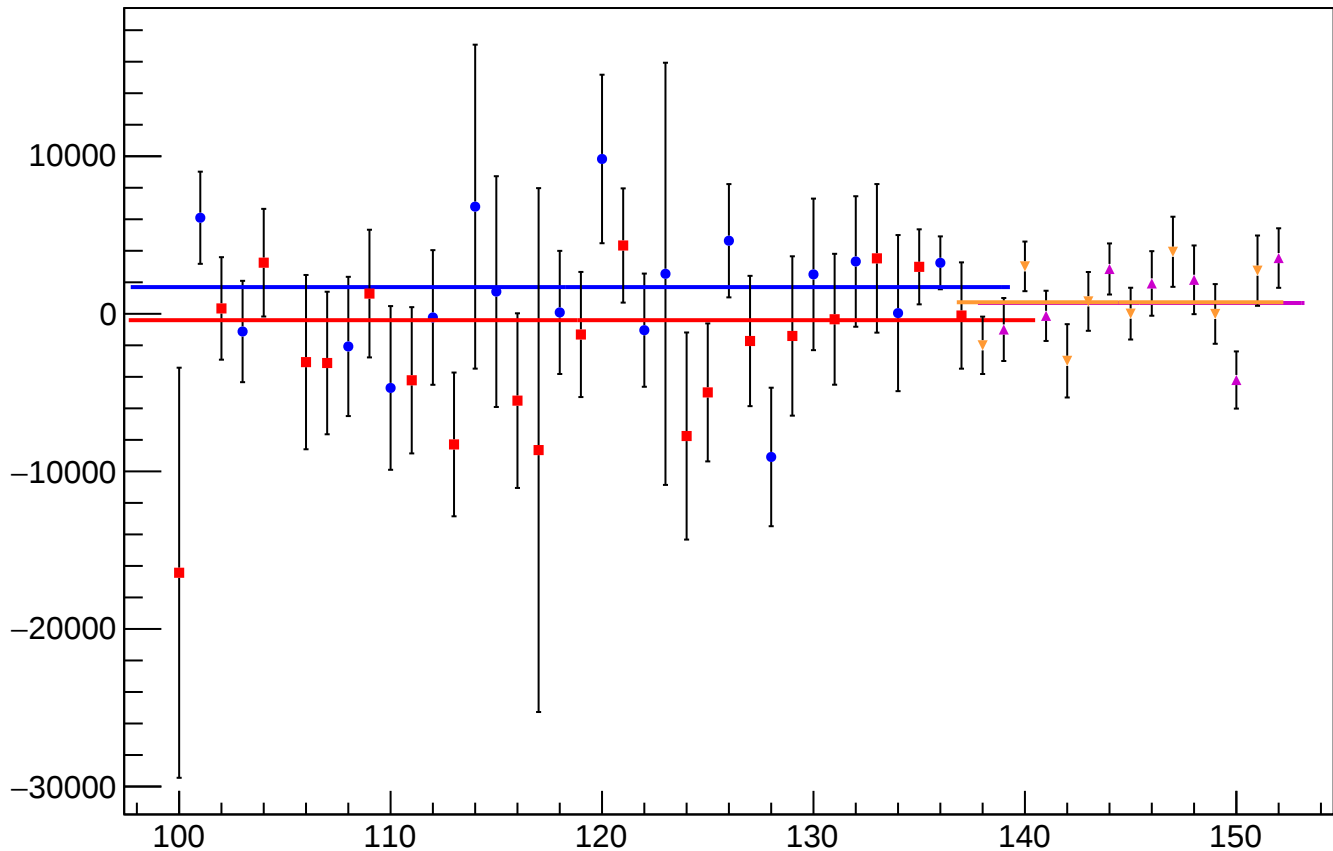
-778.420 ± 386.146 χ^2/NDF : 58.9/51

-413.927 ± 555.809 χ^2/NDF : 29.9/26

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1695.956 $\pm$ 914.855 χ^2 /NDF: 16.6/16

Left Out: 733.490 $\pm$ 669.831 χ^2 /NDF:10.1/7

Right Out: -403.904 $\pm$ 937.036 χ^2 /NDF: 15.2/19

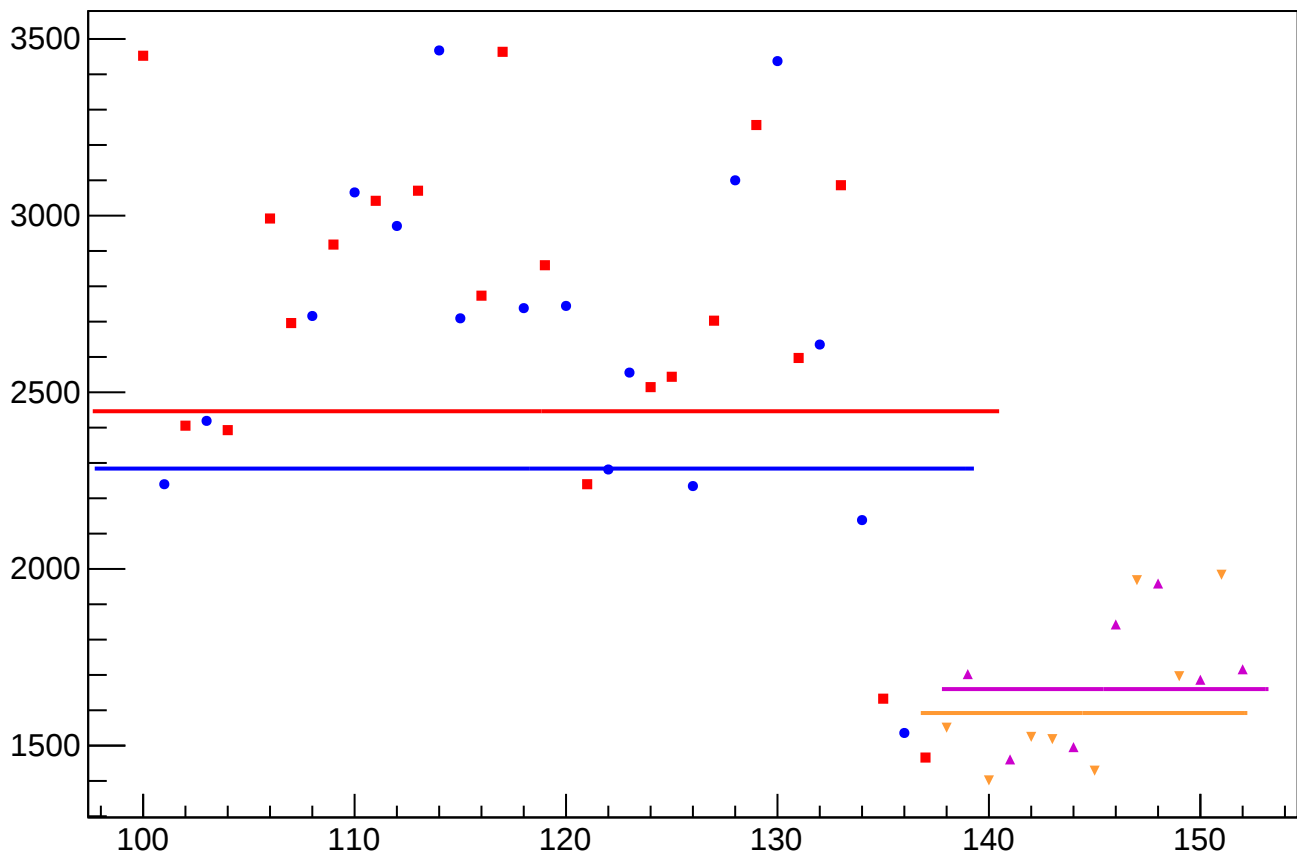
Left In: 686.670 $\pm$ 697.224 χ^2 /NDF:13.1/6

1069.381 $\pm$ 540.455 χ^2 /NDF: 27.5/24

696.971 $\pm$ 388.673 χ^2 /NDF: 57.6/51

298.041 $\pm$ 559.366 χ^2 /NDF: 29.2/26

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2284.104 +/- 0.647 χ^2/NDF : 793993.4/16

Left Out: 1592.242 +/- 0.474 χ^2/NDF : 179608.0/7

Right Out: 2446.366 +/- 0.663 χ^2/NDF : 680413.3/19

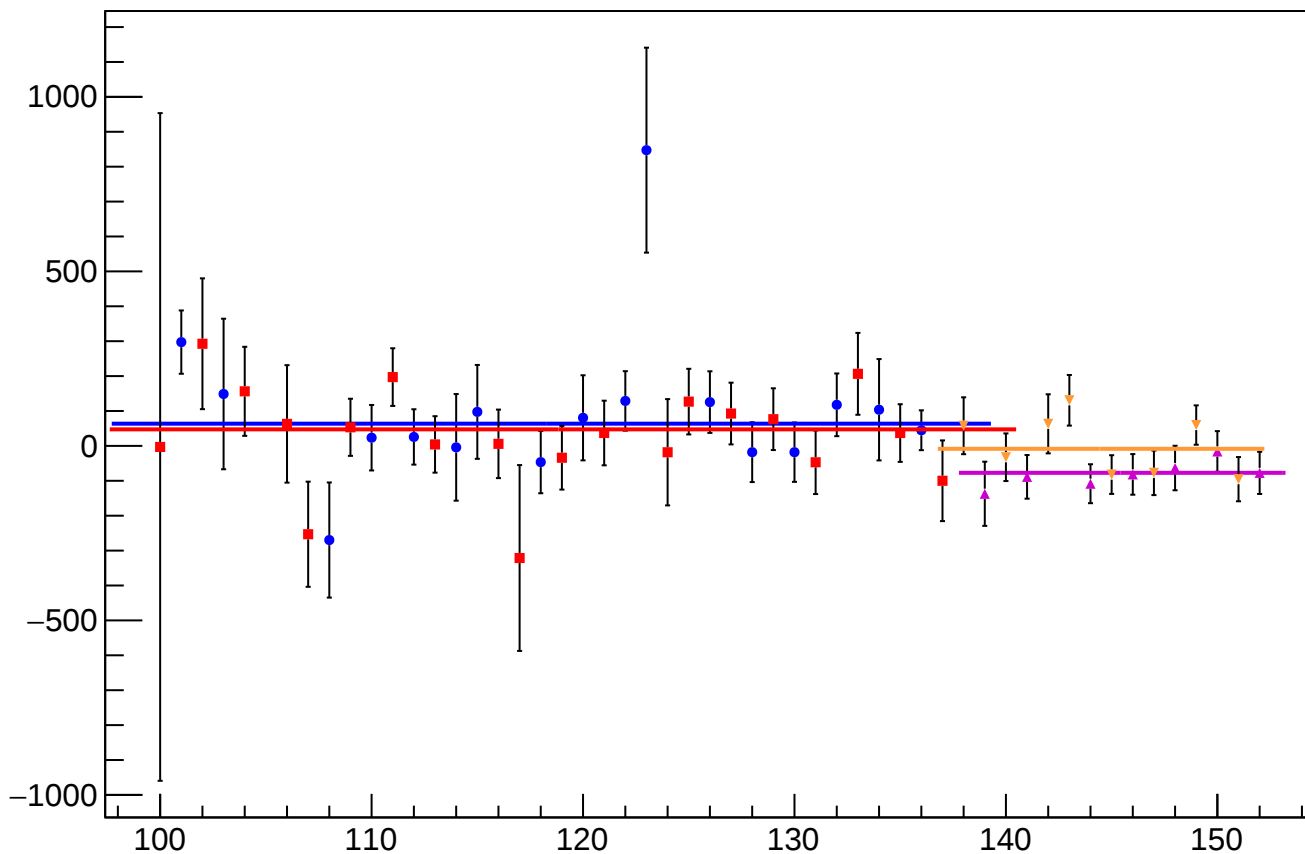
Left In: 1659.988 +/- 0.493 χ^2/NDF : 108349.3/6

1833.695 +/- 0.382 χ^2/NDF : 1718249.0/24

1885.124 +/- 0.275 χ^2/NDF : 3451149.1/51

1940.216 +/- 0.396 χ^2/NDF : 1695389.4/26

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 63.666 $\pm$ 23.743 χ^2 /NDF: 23.7/16

Left Out: -8.366 $\pm$ 23.377 χ^2 /NDF:11.5/7

Right Out: 47.367 $\pm$ 23.568 χ^2 /NDF: 18.7/19

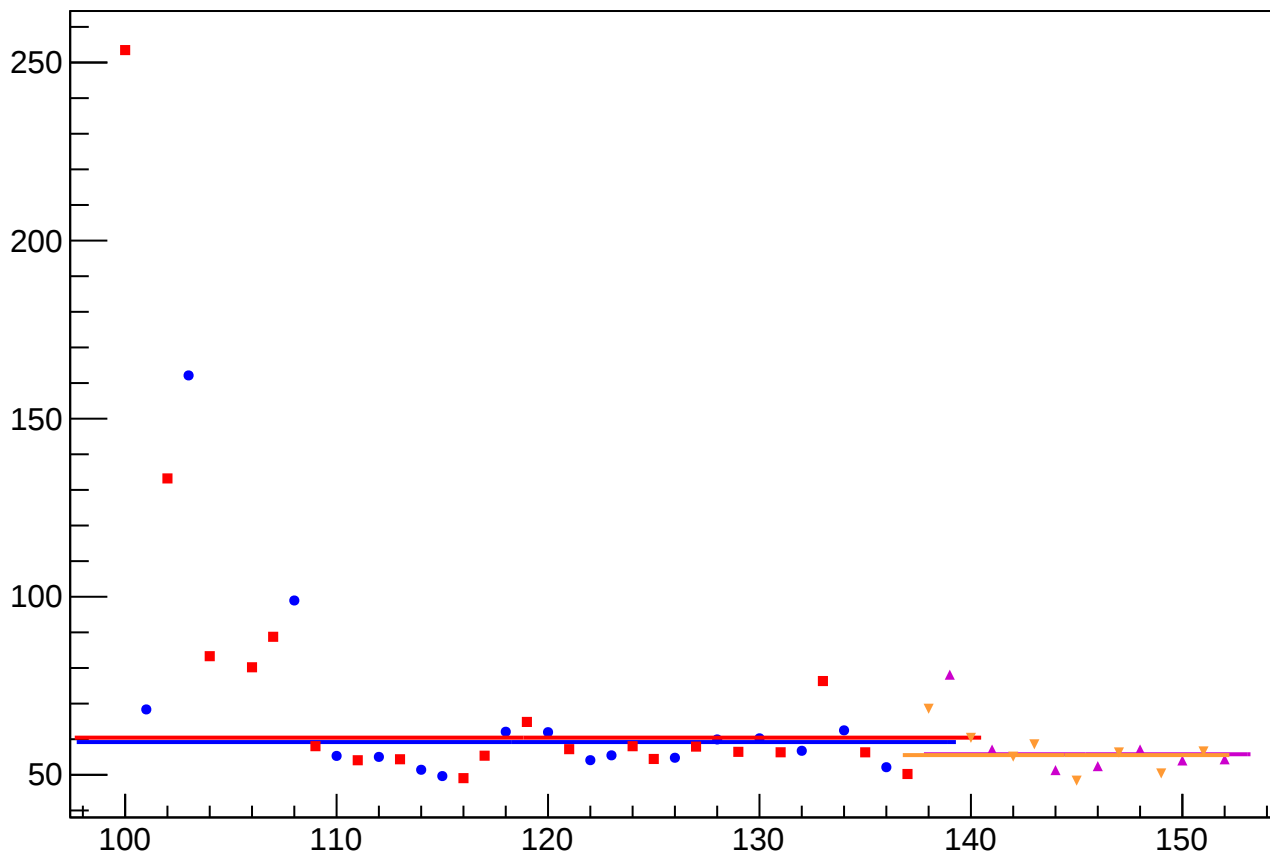
Left In: -77.167 $\pm$ 23.533 χ^2 /NDF:1.9/6

27.091 $\pm$ 16.658 χ^2 /NDF: 39.8/24

6.043 $\pm$ 11.777 χ^2 /NDF: 77.6/51

-14.993 $\pm$ 16.653 χ^2 /NDF: 34.7/26

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

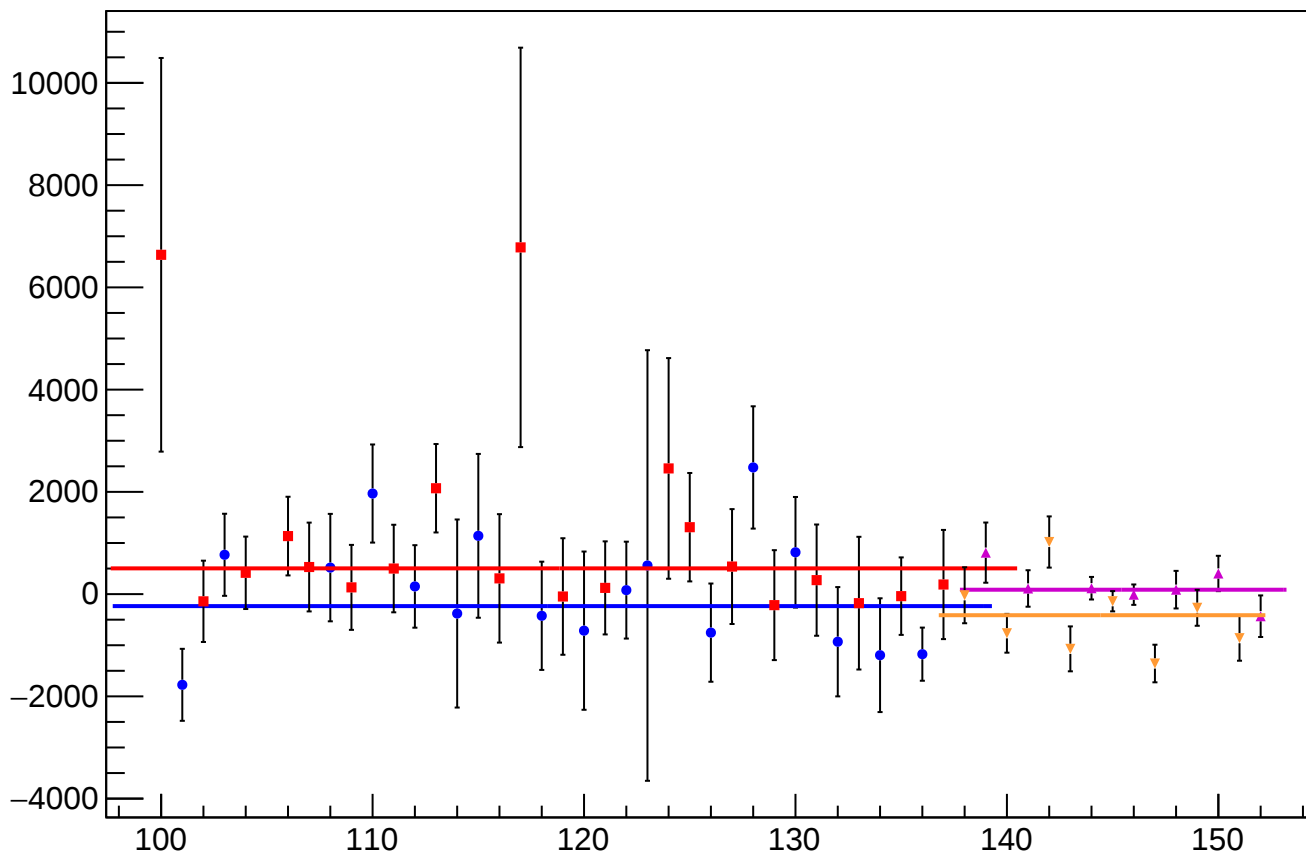
Left In: 55.778+/-0.017 χ^2/NDF : 142100.2/6

57.343+/-0.012 χ^2/NDF : 805202.9/24

57.725+/-0.008 χ^2/NDF : 1669435.0/51

58.107+/-0.012 χ^2/NDF : 862127.2/26

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 $\chi^2/\text{NDF}: 13.2/19$

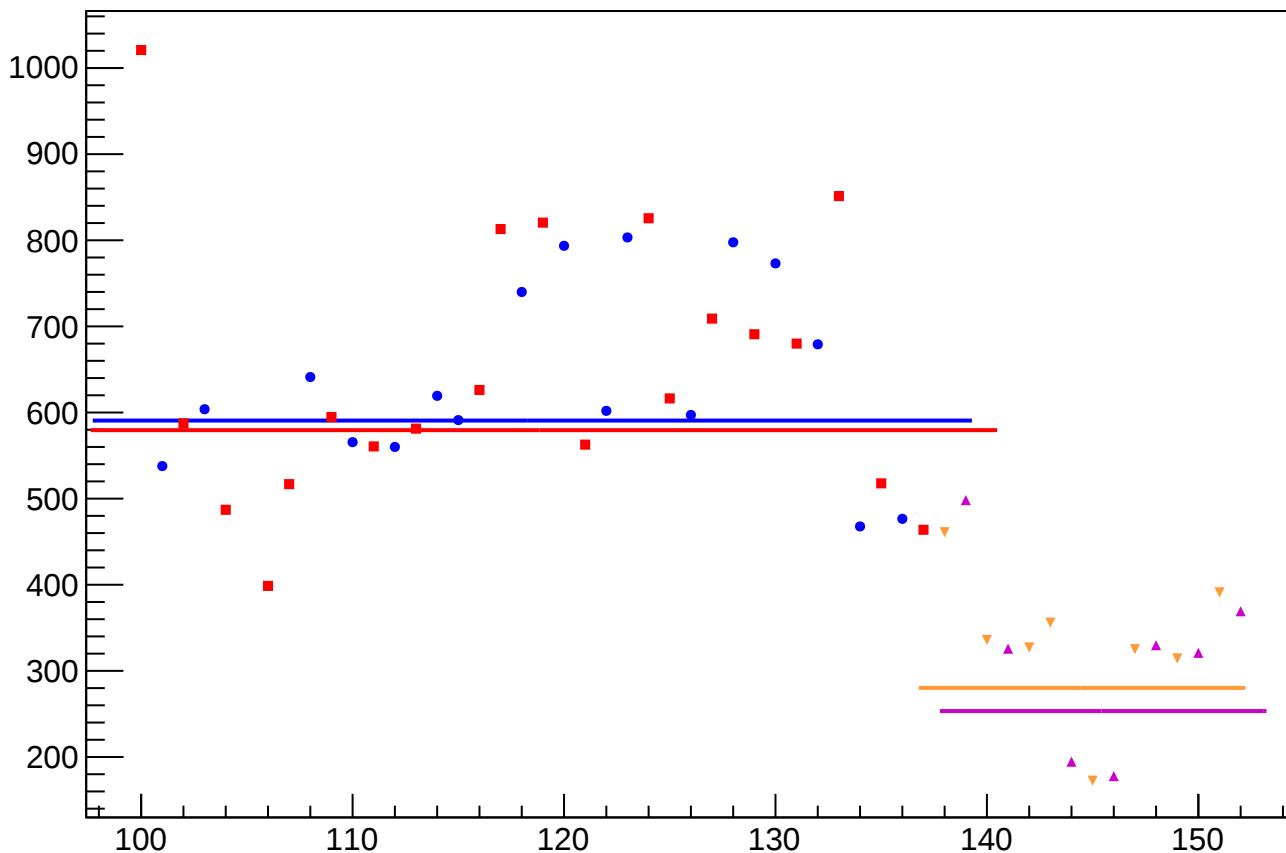
Left In: 85.992 ± 113.068 $\chi^2/\text{NDF}: 4.2/6$

-373.812 ± 109.180 $\chi^2/\text{NDF}: 46.1/24$

-78.997 ± 74.042 $\chi^2/\text{NDF}: 79.9/51$

172.044 ± 100.749 $\chi^2/\text{NDF}: 20.2/26$

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

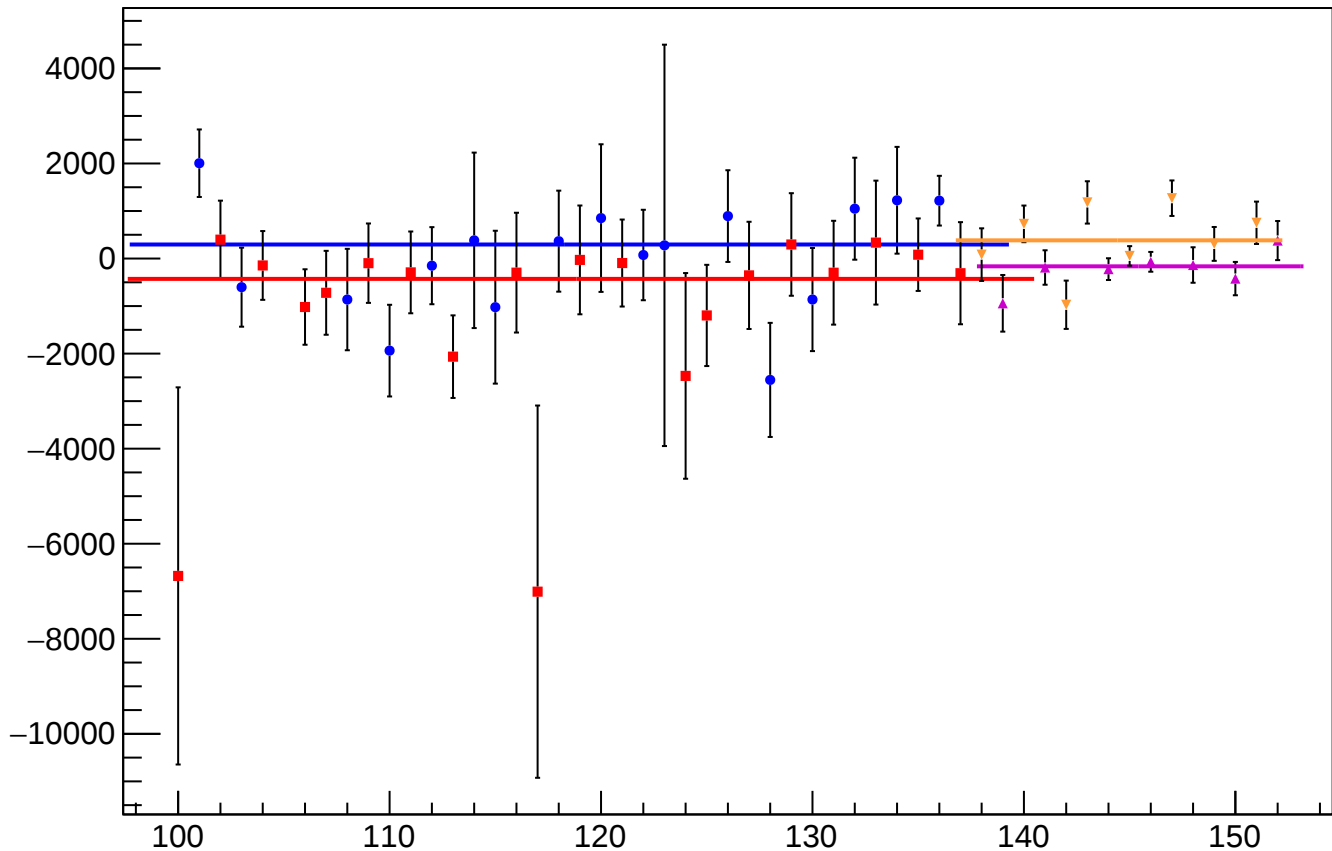
Left In: 253.368 $\pm$ 0.080 χ^2 /NDF:1183007.4/6

347.873 $\pm$ 0.077 χ^2 /NDF: 4214052.1/24

333.125 $\pm$ 0.052 χ^2 /NDF: 9394304.8/51

320.566 $\pm$ 0.071 χ^2 /NDF: 5112683.0/26

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 295.401 $\pm$ 235.860 χ^2 /NDF: 26.1/16

Left Out: 382.948 $\pm$ 126.355 χ^2 /NDF:20.3/7

Right Out: -427.853 $\pm$ 224.485 χ^2 /NDF: 13.8/19

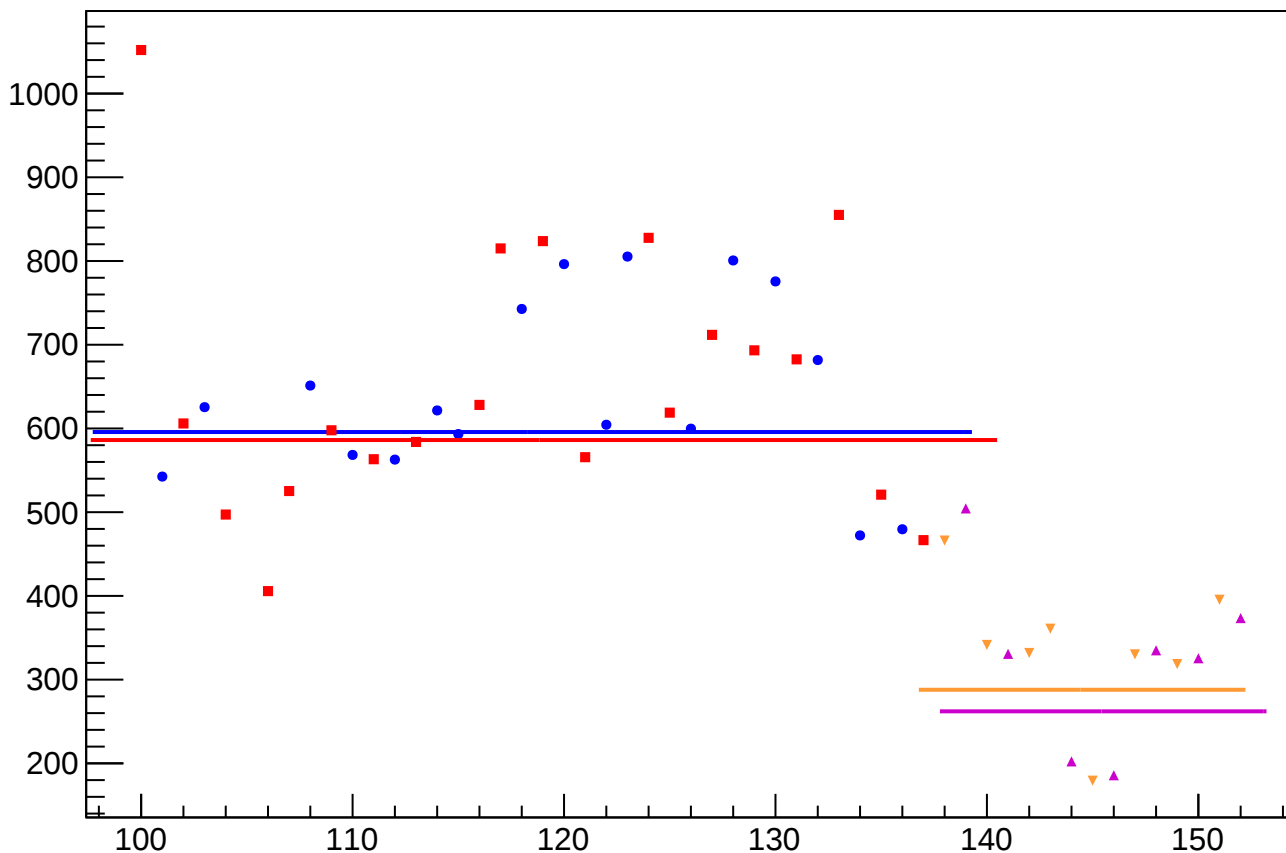
Left In: -164.007 $\pm$ 116.396 χ^2 /NDF:4.3/6

363.425 $\pm$ 111.379 χ^2 /NDF: 46.5/24

49.924 $\pm$ 75.752 χ^2 /NDF: 80.5/51

-219.911 $\pm$ 103.331 χ^2 /NDF: 19.2/26

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 595.734 $\pm$ 0.167 χ^2 /NDF: 350058.2/16

Left Out: 287.893 $\pm$ 0.089 χ^2 /NDF:1028990.2/7

Right Out: 586.176 $\pm$ 0.159 χ^2 /NDF: 481325.4/19

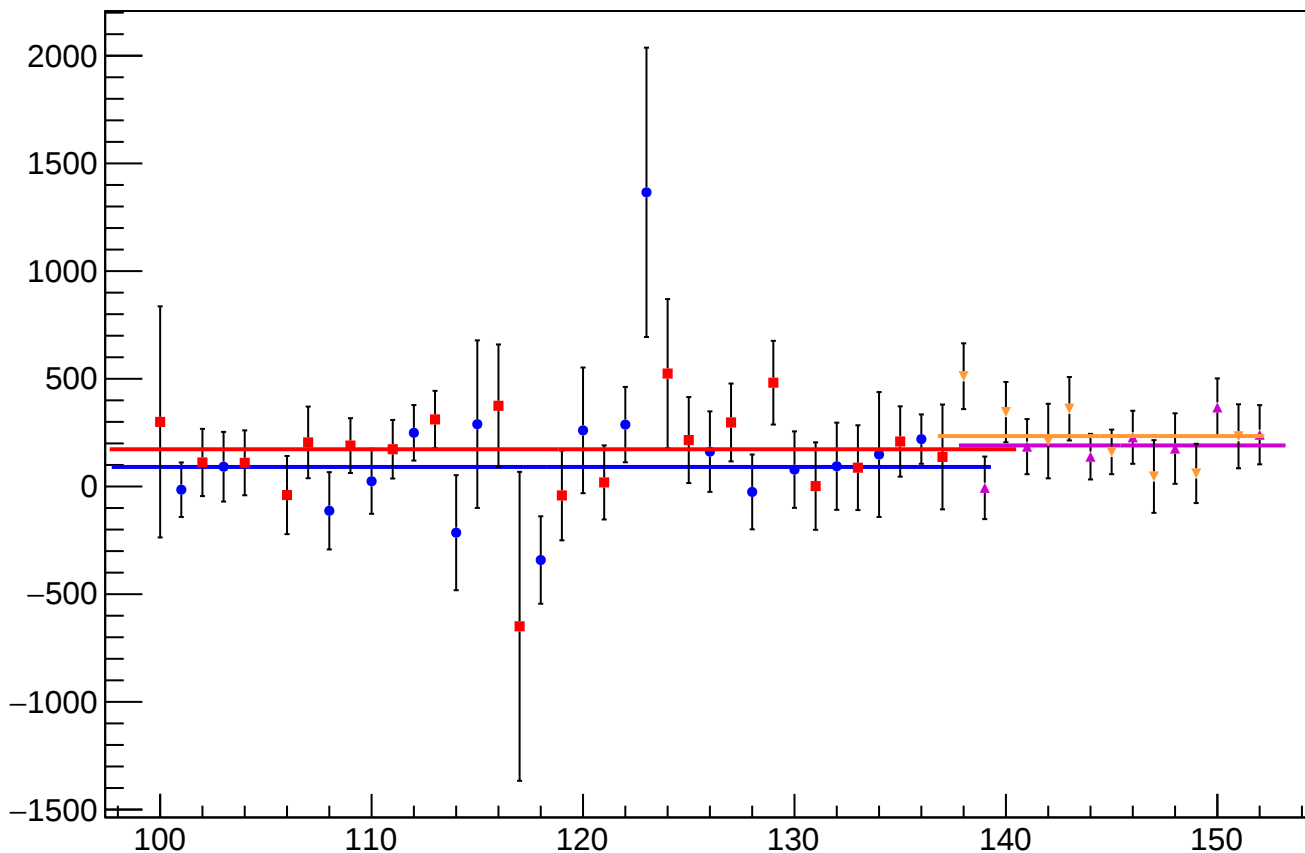
Left In: 262.128 $\pm$ 0.082 χ^2 /NDF:1096167.2/6

356.541 $\pm$ 0.079 χ^2 /NDF: 4026293.1/24

342.700 $\pm$ 0.054 χ^2 /NDF: 8945723.4/51

330.787 $\pm$ 0.073 χ^2 /NDF: 4861965.0/26

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 90.711+/-43.312 χ^2/NDF : 16.9/16

Left Out: 234.117+/-49.987 χ^2/NDF : 8.0/7

Right Out: 172.786+/-41.033 χ^2/NDF : 11.6/19

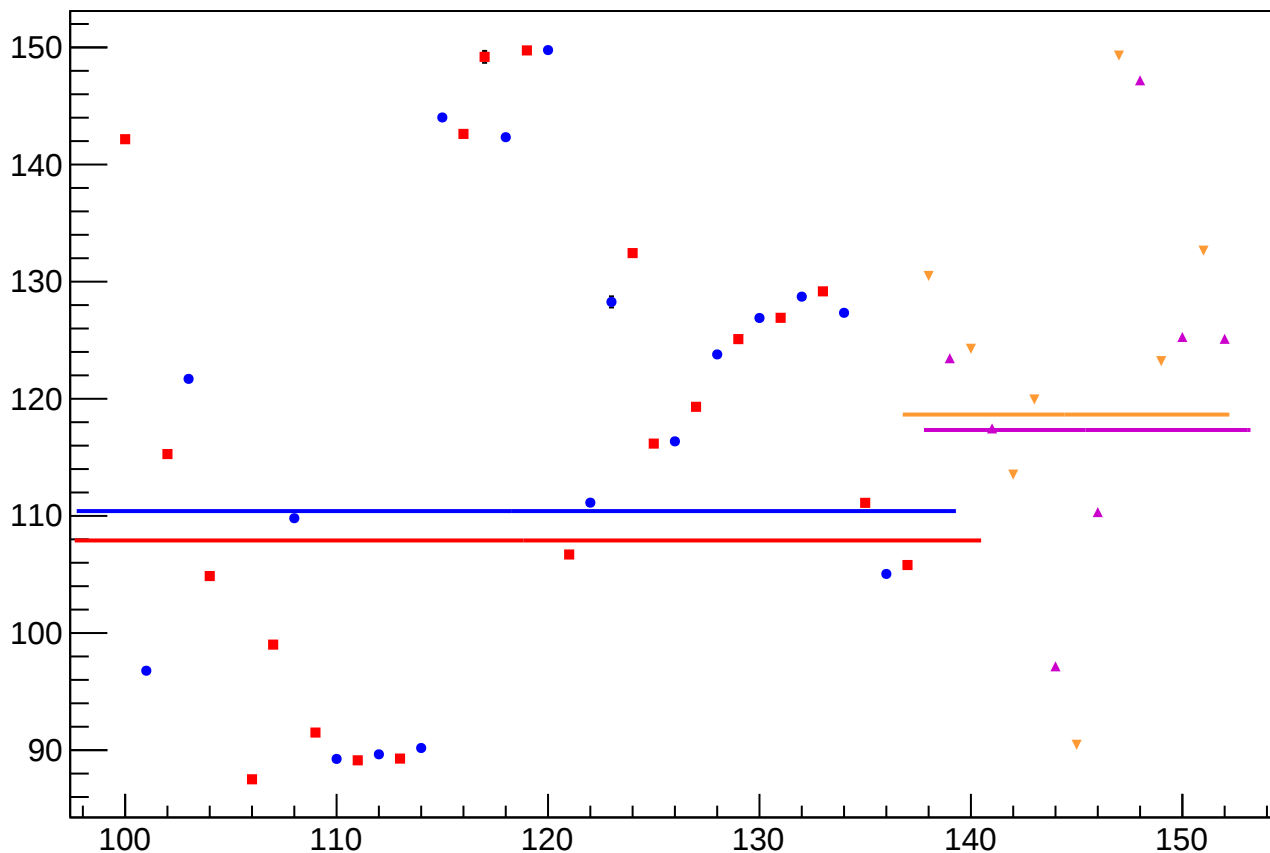
Left In: 190.556+/-49.451 χ^2/NDF : 4.0/6

152.208+/-32.734 χ^2/NDF : 29.6/24

166.620+/-22.727 χ^2/NDF : 45.7/51

180.032+/-31.578 χ^2/NDF : 15.7/26

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

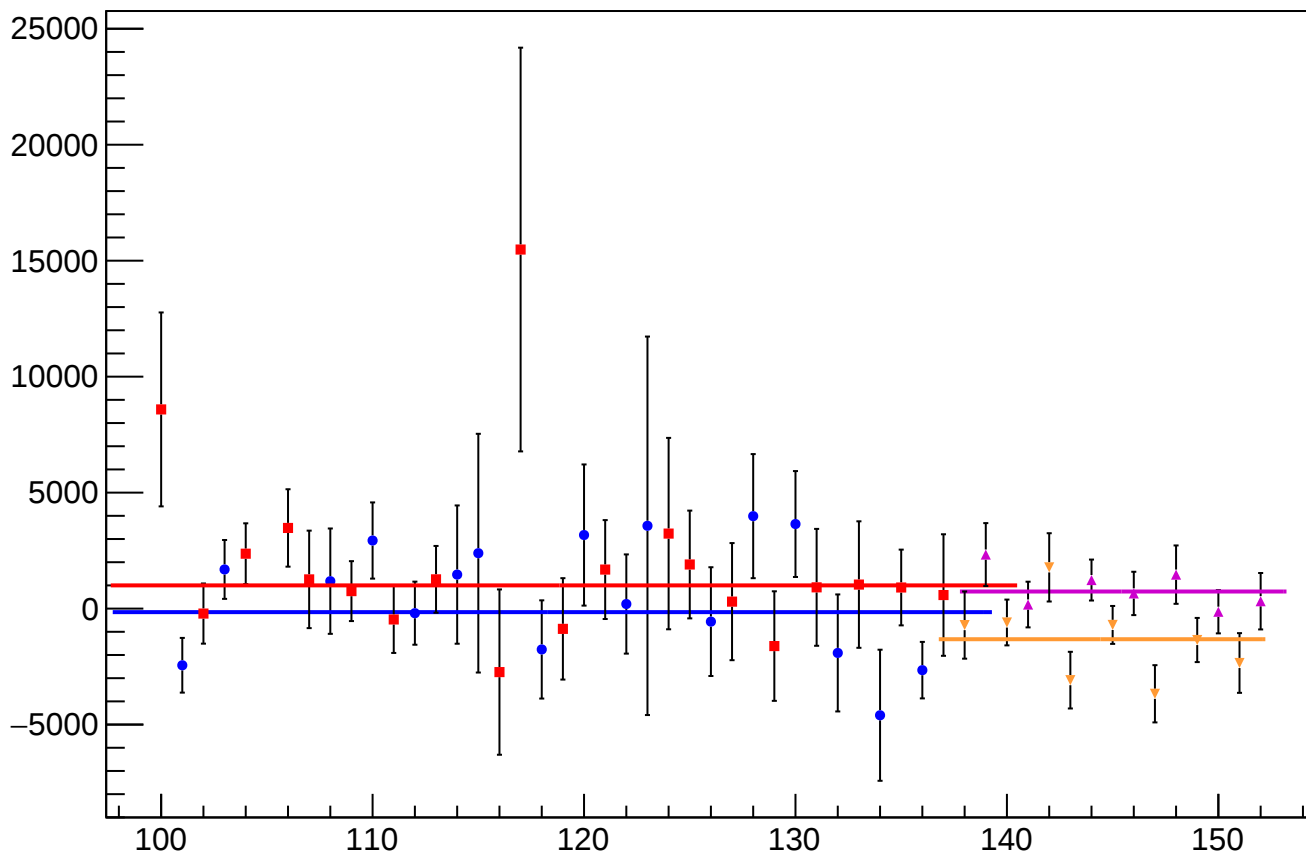
Left In: 117.336 $\pm$ 0.035 χ^2/NDF : 162586.2/6

113.945 $\pm$ 0.023 χ^2/NDF : 579019.5/24

112.808 $\pm$ 0.016 χ^2/NDF : 1140450.7/51

111.750 $\pm$ 0.022 χ^2/NDF : 556769.4/26

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -152.403 ± 464.753 $\chi^2/\text{NDF}: 24.7/16$

Left Out: -1320.310 ± 392.448 $\chi^2/\text{NDF}: 12.1/7$

Right Out: 1000.907 ± 434.569 $\chi^2/\text{NDF}: 15.1/19$

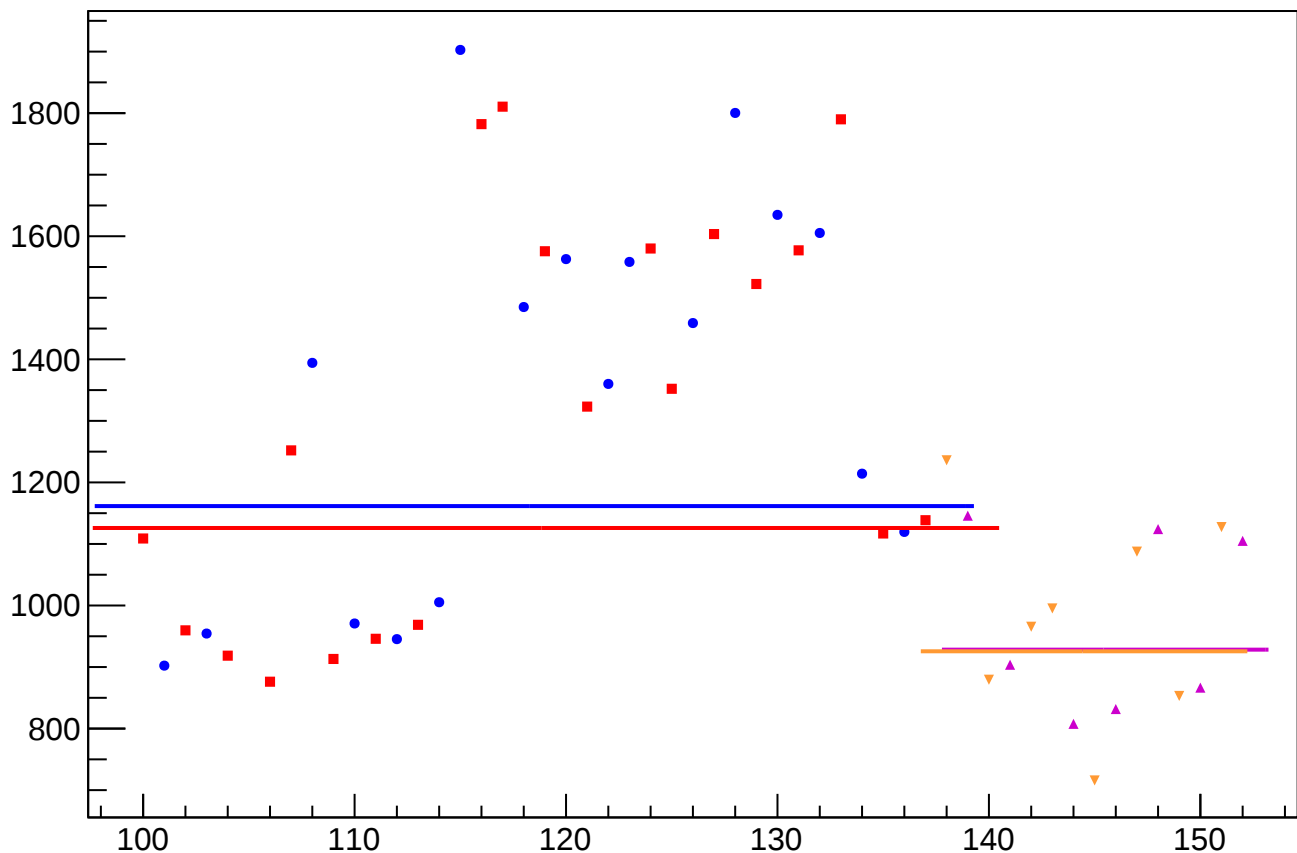
Left In: 736.627 ± 393.395 $\chi^2/\text{NDF}: 3.4/6$

-834.173 ± 299.845 $\chi^2/\text{NDF}: 40.4/24$

34.163 ± 209.063 $\chi^2/\text{NDF}: 75.4/51$

855.657 ± 291.645 $\chi^2/\text{NDF}: 18.6/26$

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

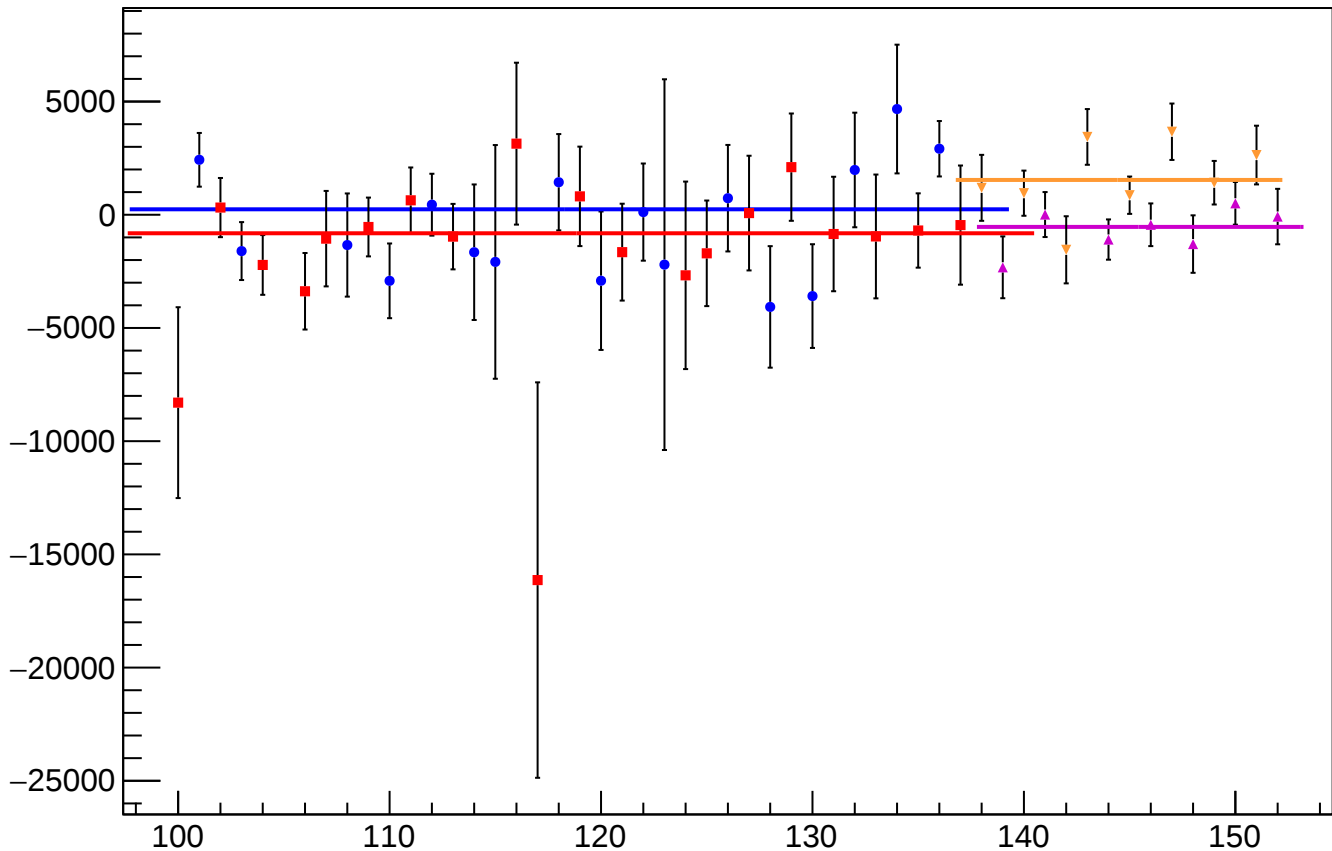
Left In: 928.258 $\pm$ 0.278 χ^2 /NDF:210843.9/6

1023.798 $\pm$ 0.212 χ^2 /NDF: 1327889.9/24

1020.457 $\pm$ 0.148 χ^2 /NDF: 2546881.4/51

1017.296 $\pm$ 0.206 χ^2 /NDF: 1218508.2/26

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 240.732+/-467.036 χ^2/NDF : 24.8/16

Left Out: 1537.415+/-395.802 χ^2/NDF :11.4/7

Right Out: -817.635+/-436.939 χ^2/NDF : 15.4/19

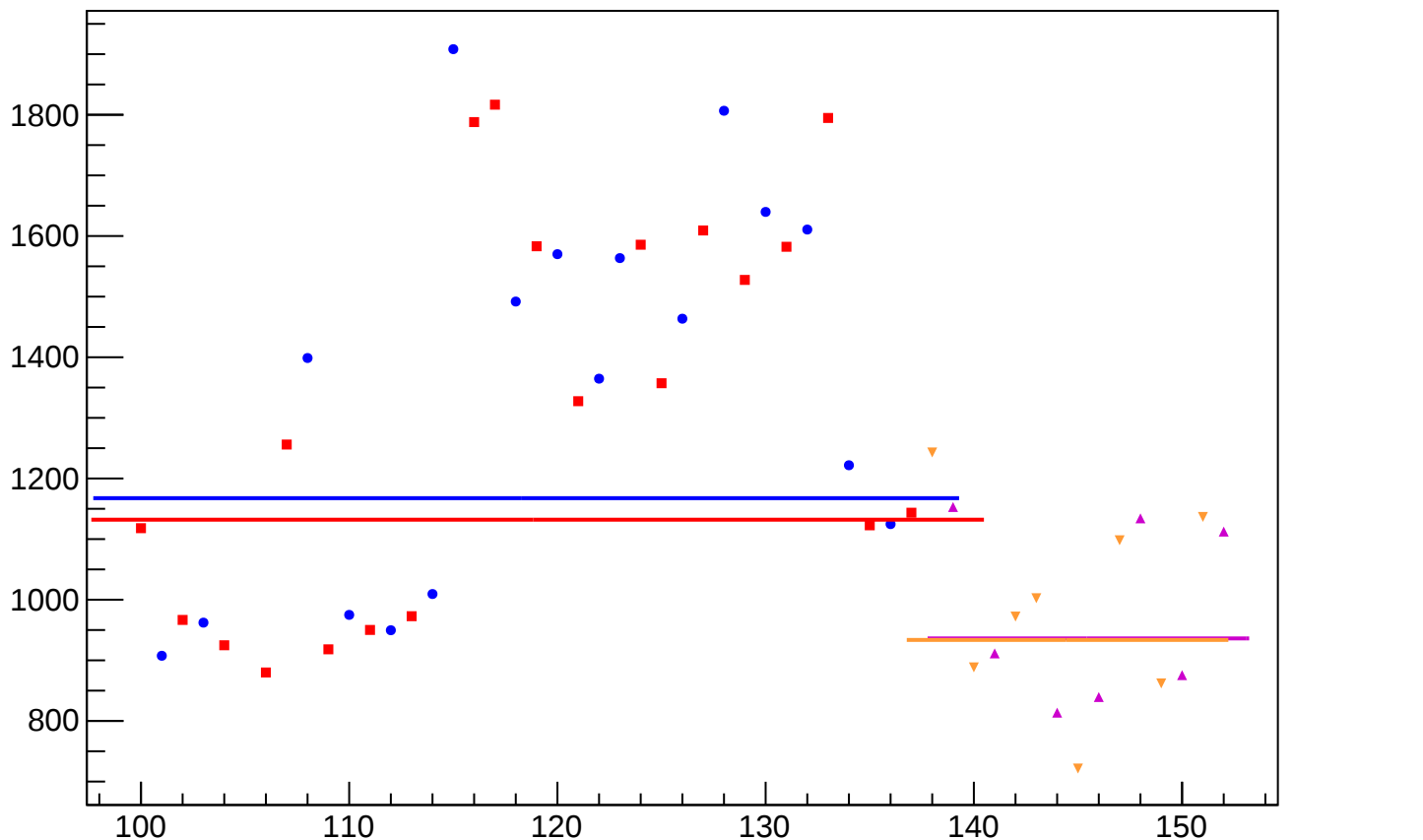
Left In: -536.382+/-396.669 χ^2/NDF :4.1/6

995.399+/-301.953 χ^2/NDF : 40.8/24

142.979+/-210.533 χ^2/NDF : 76.0/51

-663.453+/-293.695 χ^2/NDF : 19.8/26

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

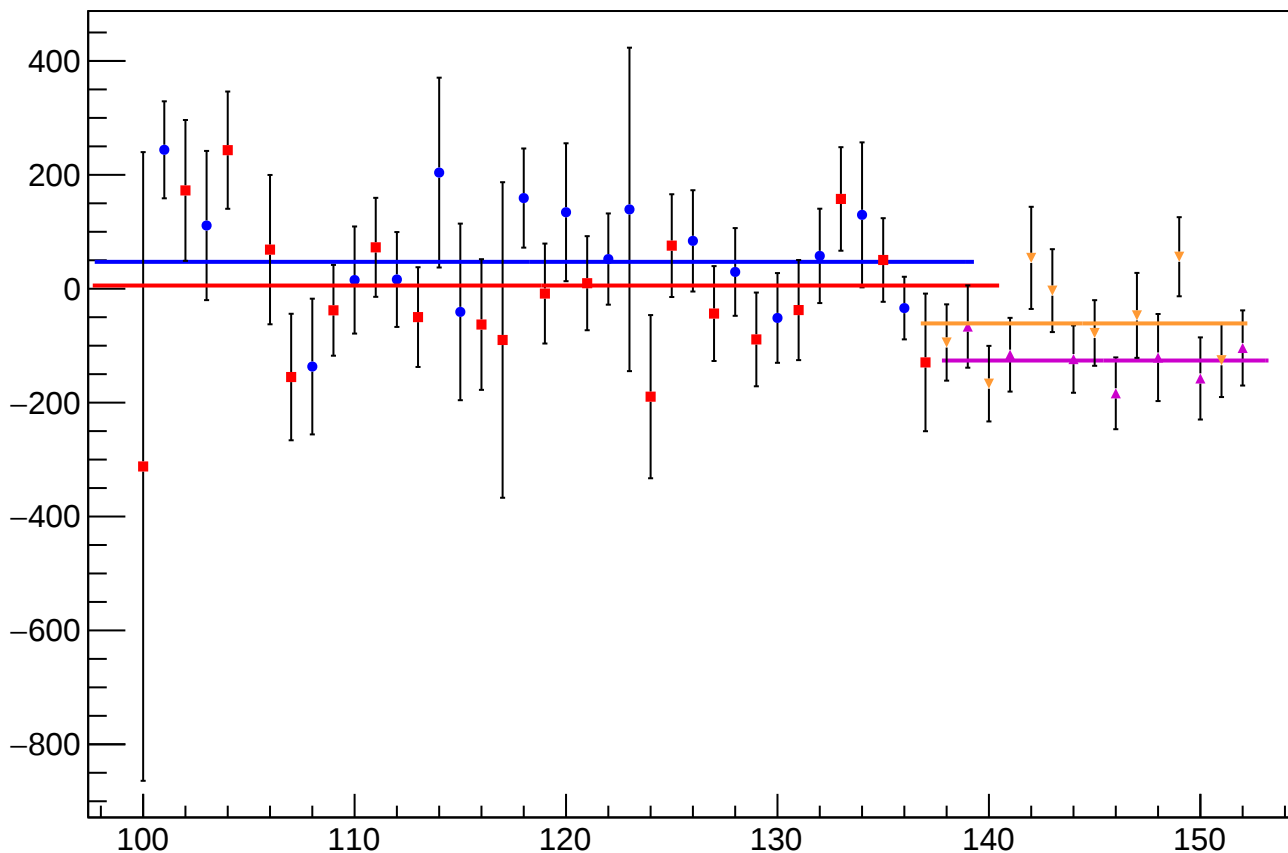
Left In: 936.146 $\pm$ 0.280 χ^2/NDF : 209107.4/6

1031.426 $\pm$ 0.214 χ^2/NDF : 1311663.7/24

1027.940 $\pm$ 0.149 χ^2/NDF : 2515447.1/51

1024.642 $\pm$ 0.208 χ^2/NDF : 1203264.8/26

reg_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 47.220+/-22.565 χ^2/NDF : 16.1/16

Left Out: -60.904+/-24.325 χ^2/NDF : 9.0/7

Right Out: 5.636+/-22.057 χ^2/NDF : 20.4/19

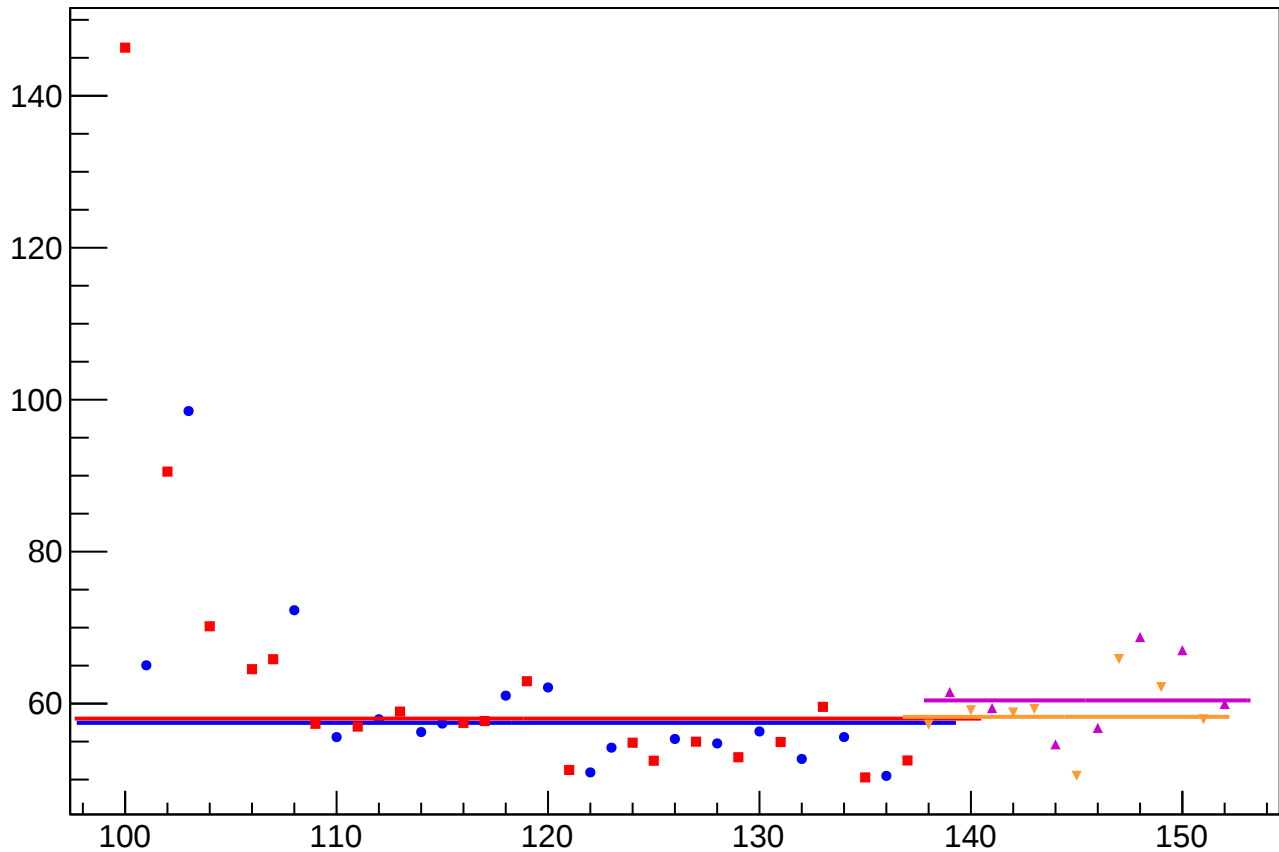
Left In: -126.058+/-25.314 χ^2/NDF : 1.8/6

-2.789+/-16.543 χ^2/NDF : 35.7/24

-26.867+/-11.728 χ^2/NDF : 77.6/51

-51.199+/-16.630 χ^2/NDF : 37.6/26

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 57.465+/-0.016 χ^2/NDF : 307156.4/16

Left Out: 58.257+/-0.017 χ^2/NDF : 64800.0/7

Right Out: 58.025+/-0.016 χ^2/NDF : 300790.9/19

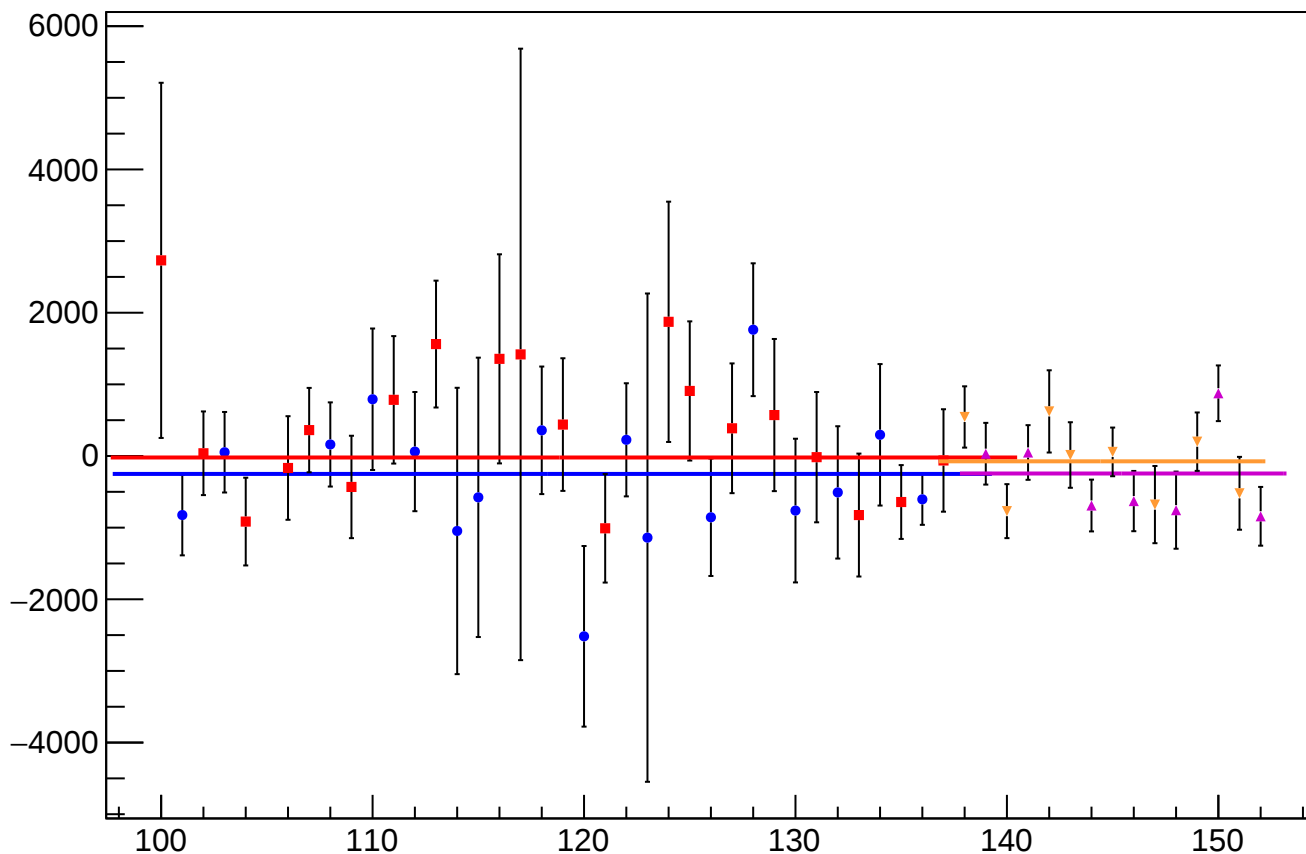
Left In: 60.419+/-0.018 χ^2/NDF : 67348.6/6

57.832+/-0.012 χ^2/NDF : 373094.8/24

58.442+/-0.008 χ^2/NDF : 756876.0/51

59.058+/-0.012 χ^2/NDF : 378310.2/26

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

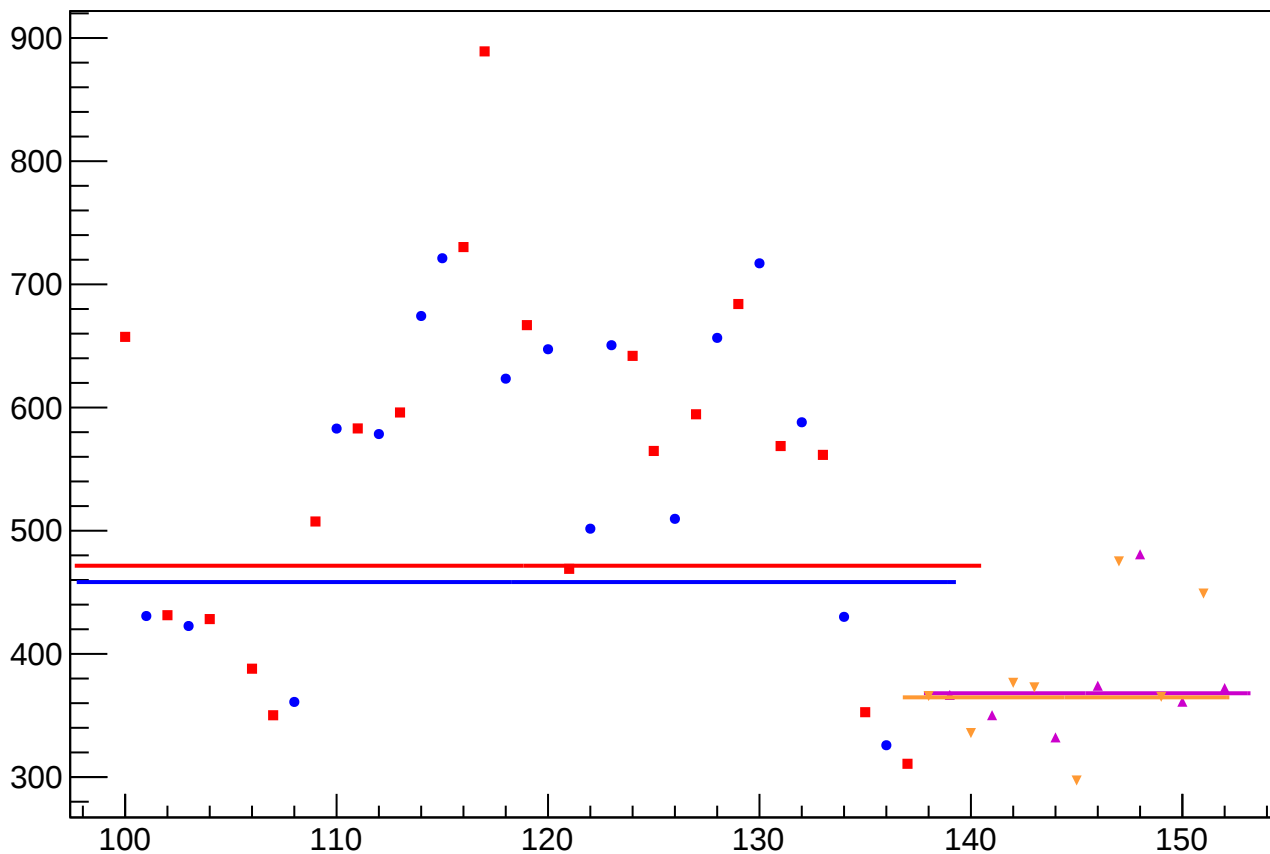
Left In: -244.266+/-155.068 χ^2/NDF : 14.7/6

-146.472+/-118.001 χ^2/NDF : 24.5/24

-148.254+/-83.419 χ^2/NDF : 56.2/51

-150.035+/-117.944 χ^2/NDF : 31.7/26

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

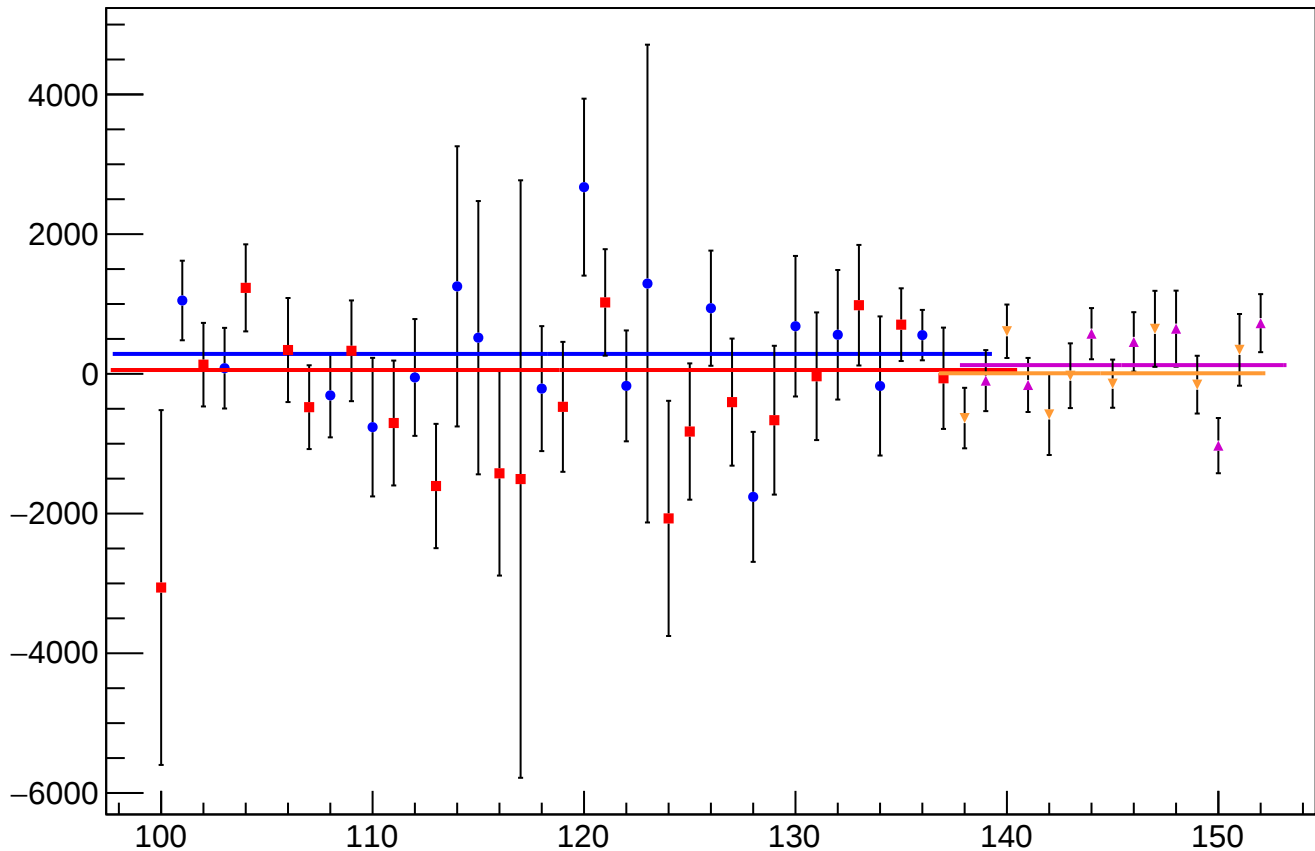
Left In: 368.050 $\pm$ 0.110 χ^2/NDF : 113071.6/6

403.182 $\pm$ 0.083 χ^2/NDF : 1412841.8/24

407.438 $\pm$ 0.059 χ^2/NDF : 2704727.1/51

411.689 $\pm$ 0.083 χ^2/NDF : 1286685.2/26

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 285.349 ± 186.262 χ^2/NDF : 15.2/16

Left Out: 8.194 ± 155.764 χ^2/NDF : 7.8/7

Right Out: 55.109 ± 183.903 χ^2/NDF : 19.3/19

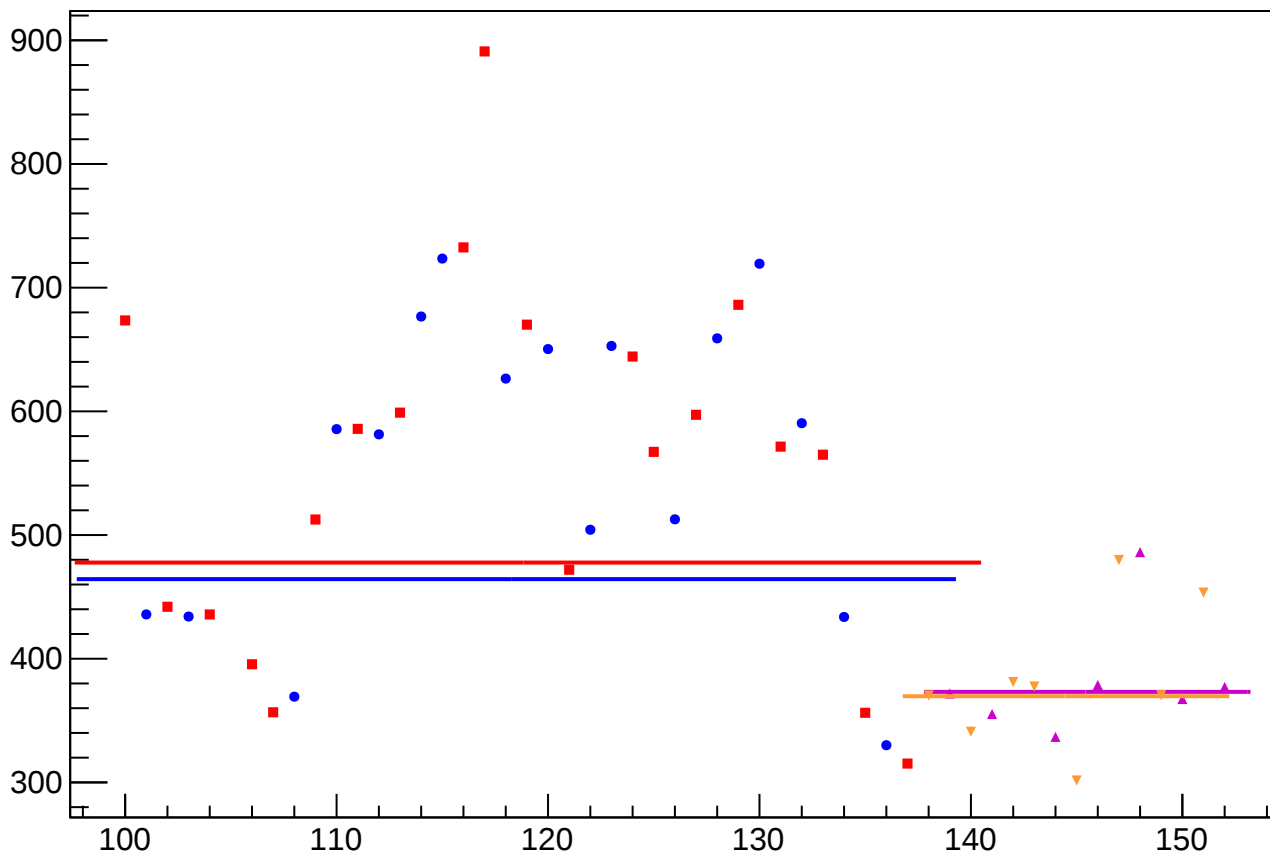
Left In: 125.103 ± 157.209 χ^2/NDF : 14.4/6

122.254 ± 119.489 χ^2/NDF : 24.3/24

108.903 ± 84.494 χ^2/NDF : 58.2/51

95.550 ± 119.498 χ^2/NDF : 33.8/26

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

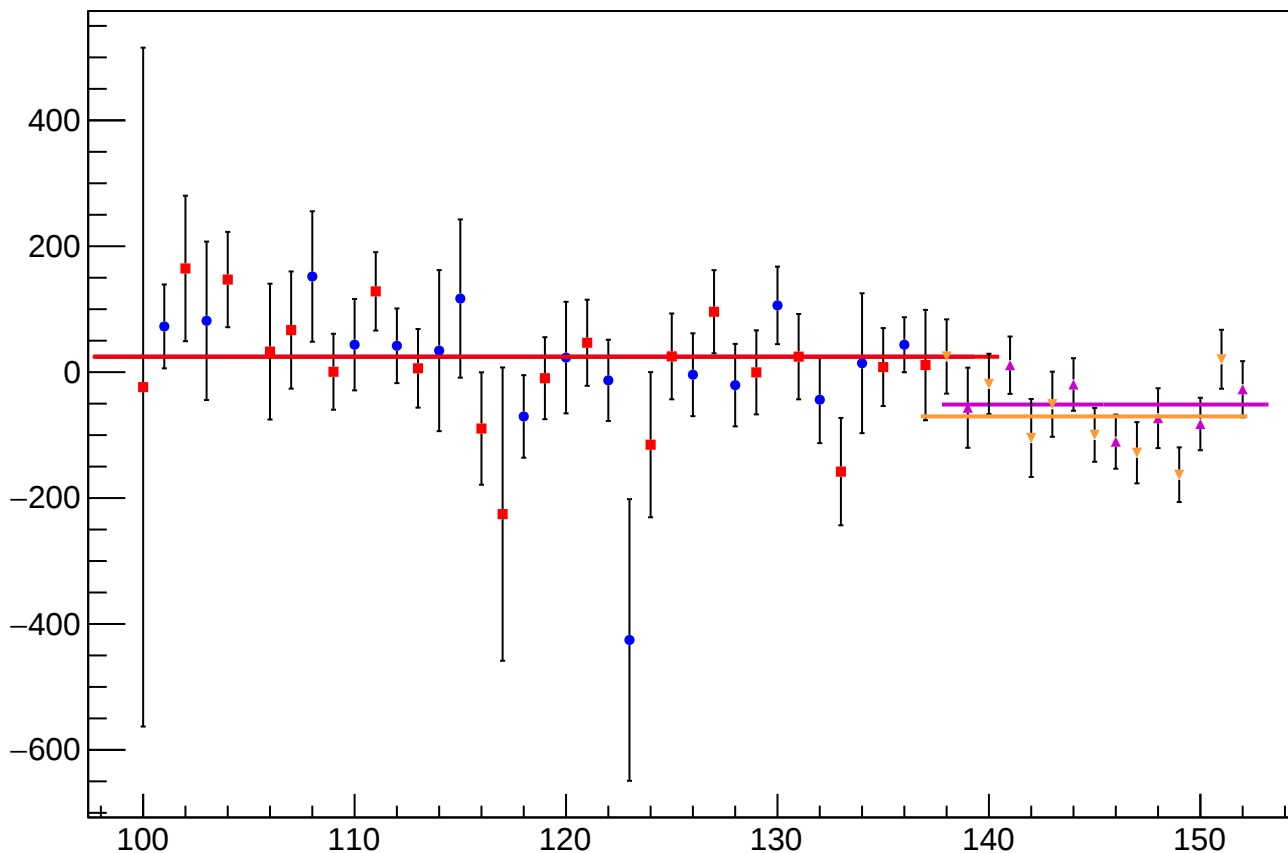
Left In: 373.213 $\pm$ 0.111 χ^2/NDF : 111146.4/6

408.626 $\pm$ 0.084 χ^2/NDF : 1375909.8/24

412.989 $\pm$ 0.060 χ^2/NDF : 2633841.3/51

417.353 $\pm$ 0.084 χ^2/NDF : 1252597.7/26

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

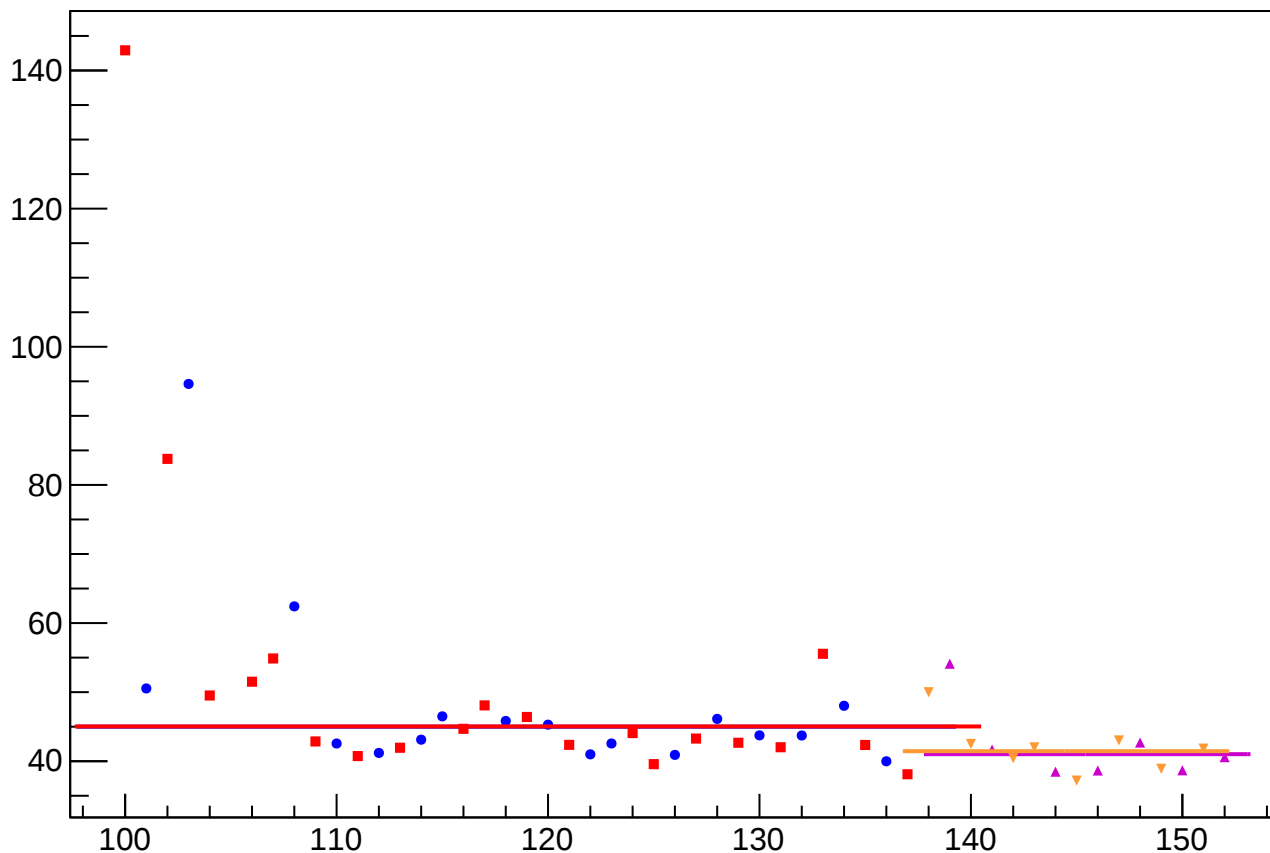
Left In: -51.421 $\pm$ 17.240 χ^2 /NDF:5.4/6

-24.097 $\pm$ 12.447 χ^2 /NDF: 41.9/24

-18.795 $\pm$ 8.722 χ^2 /NDF: 75.3/51

-13.681 $\pm$ 12.225 χ^2 /NDF: 33.0/26

reg_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 45.001 $\pm$ 0.013 χ^2/NDF : 438352.8/16

Left Out: 41.454 $\pm$ 0.012 χ^2/NDF : 72455.2/7

Right Out: 45.034 $\pm$ 0.012 χ^2/NDF : 415853.3/19

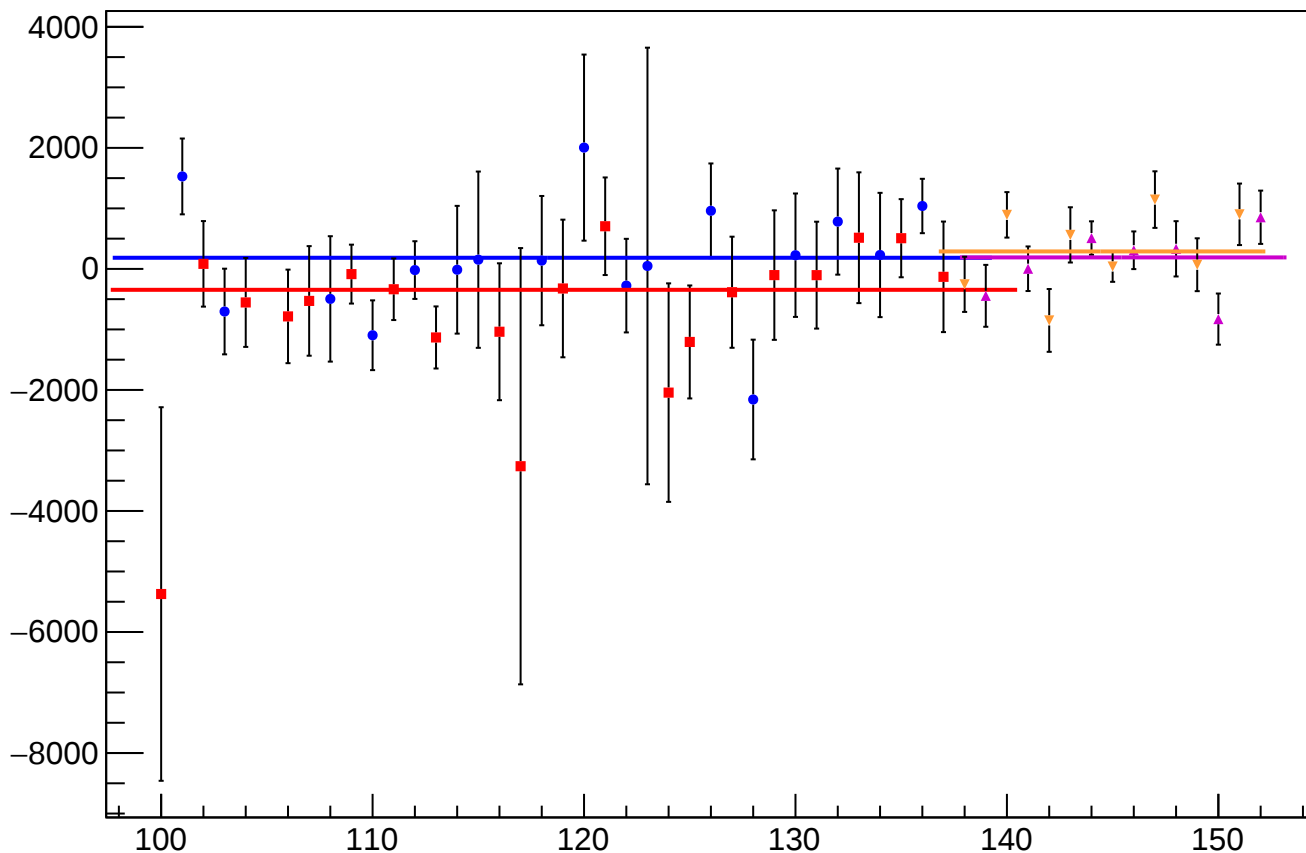
Left In: 41.021 $\pm$ 0.012 χ^2/NDF : 107560.2/6

43.181 $\pm$ 0.009 χ^2/NDF : 551388.5/24

43.097 $\pm$ 0.006 χ^2/NDF : 1128873.0/51

43.016 $\pm$ 0.009 χ^2/NDF : 577305.8/26

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

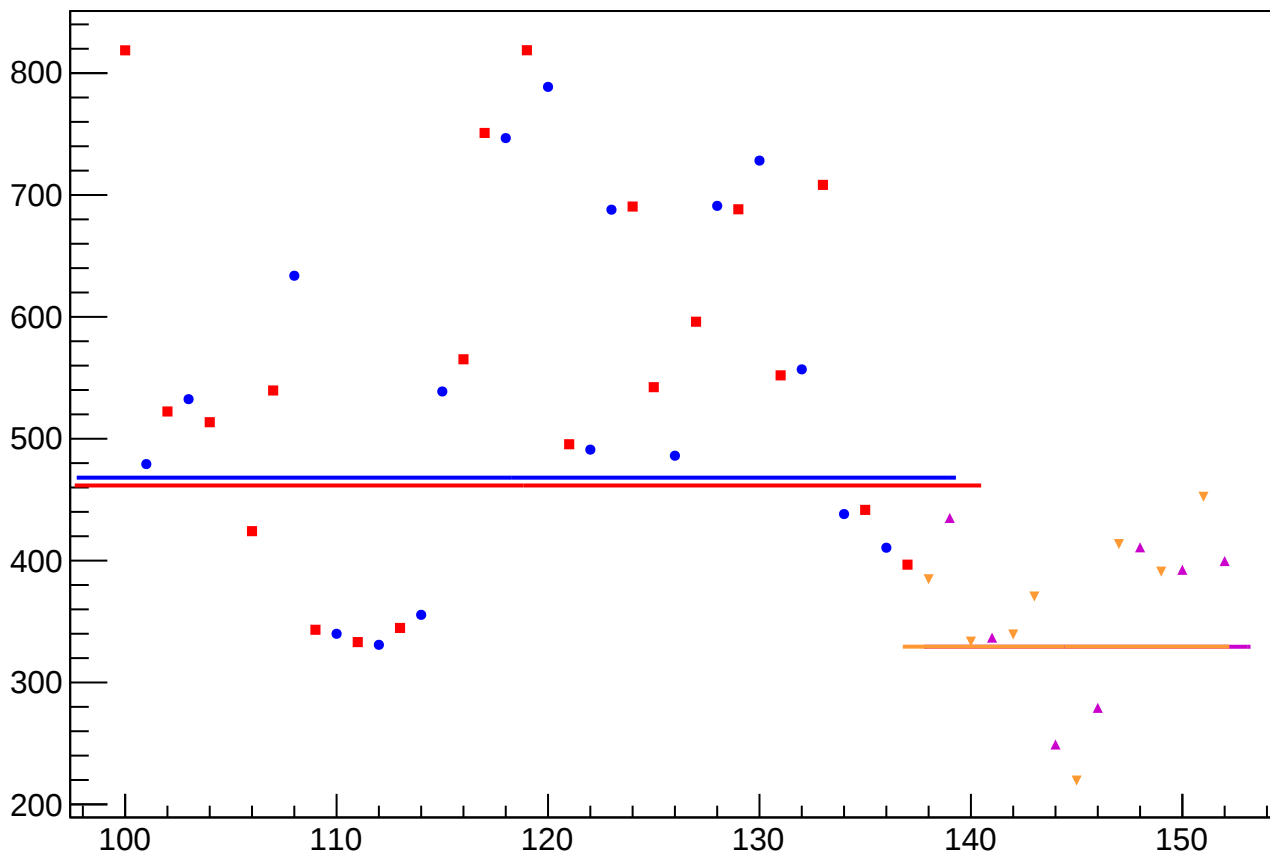
Left In: 189.899 $\pm$ 141.206 χ^2 /NDF:11.5/6

250.993 $\pm$ 113.361 χ^2 /NDF: 39.6/24

114.942 $\pm$ 79.274 χ^2 /NDF: 72.6/51

-15.269 $\pm$ 110.901 χ^2 /NDF: 30.1/26

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 468.071 $\pm$ 0.133 χ^2/NDF : 880319.3/16

Left Out: 329.395 $\pm$ 0.100 χ^2/NDF : 645015.7/7

Right Out: 461.656 $\pm$ 0.127 χ^2/NDF : 967939.5/19

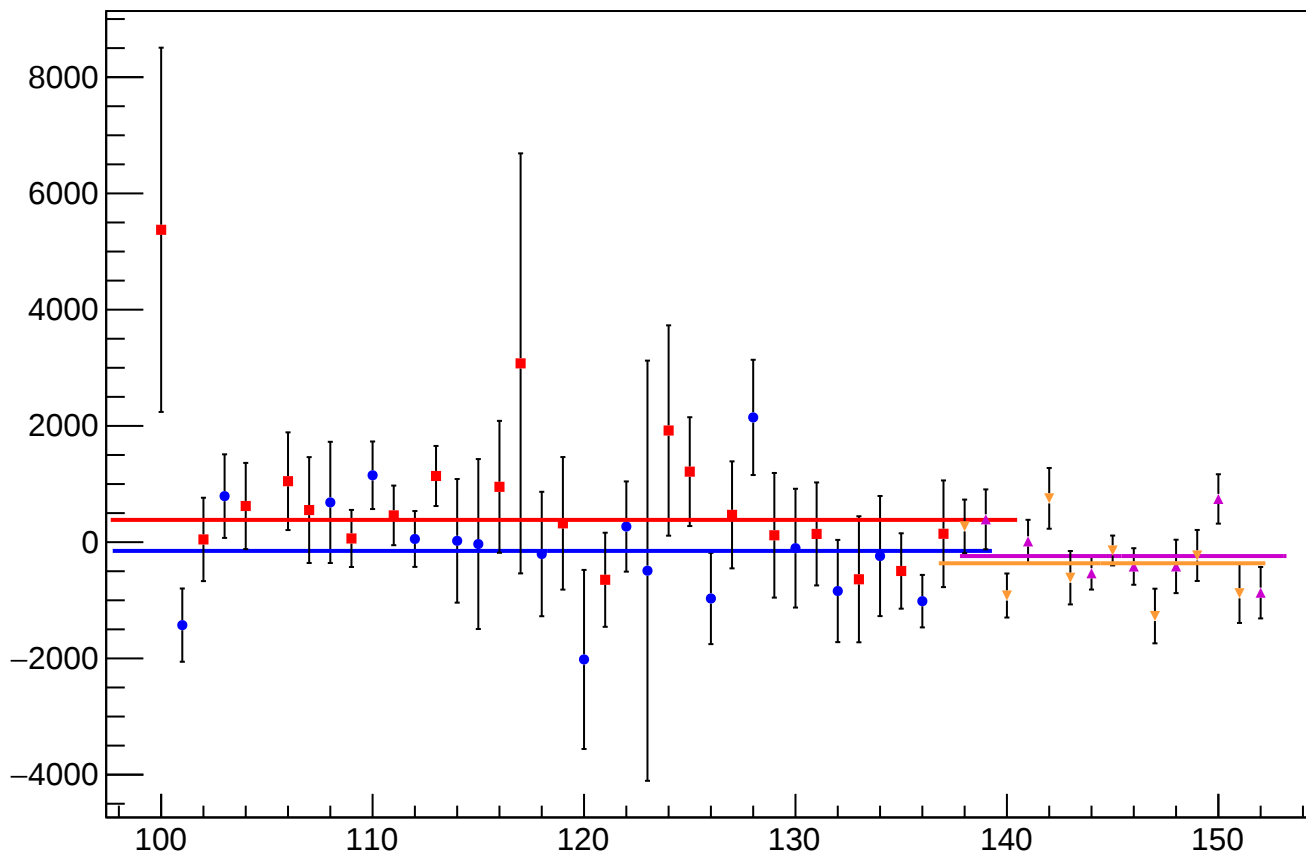
Left In: 329.318 $\pm$ 0.100 χ^2/NDF : 465937.2/6

379.518 $\pm$ 0.080 χ^2/NDF : 2216128.2/24

379.778 $\pm$ 0.056 χ^2/NDF : 4323123.9/51

380.026 $\pm$ 0.078 χ^2/NDF : 2106975.1/26

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

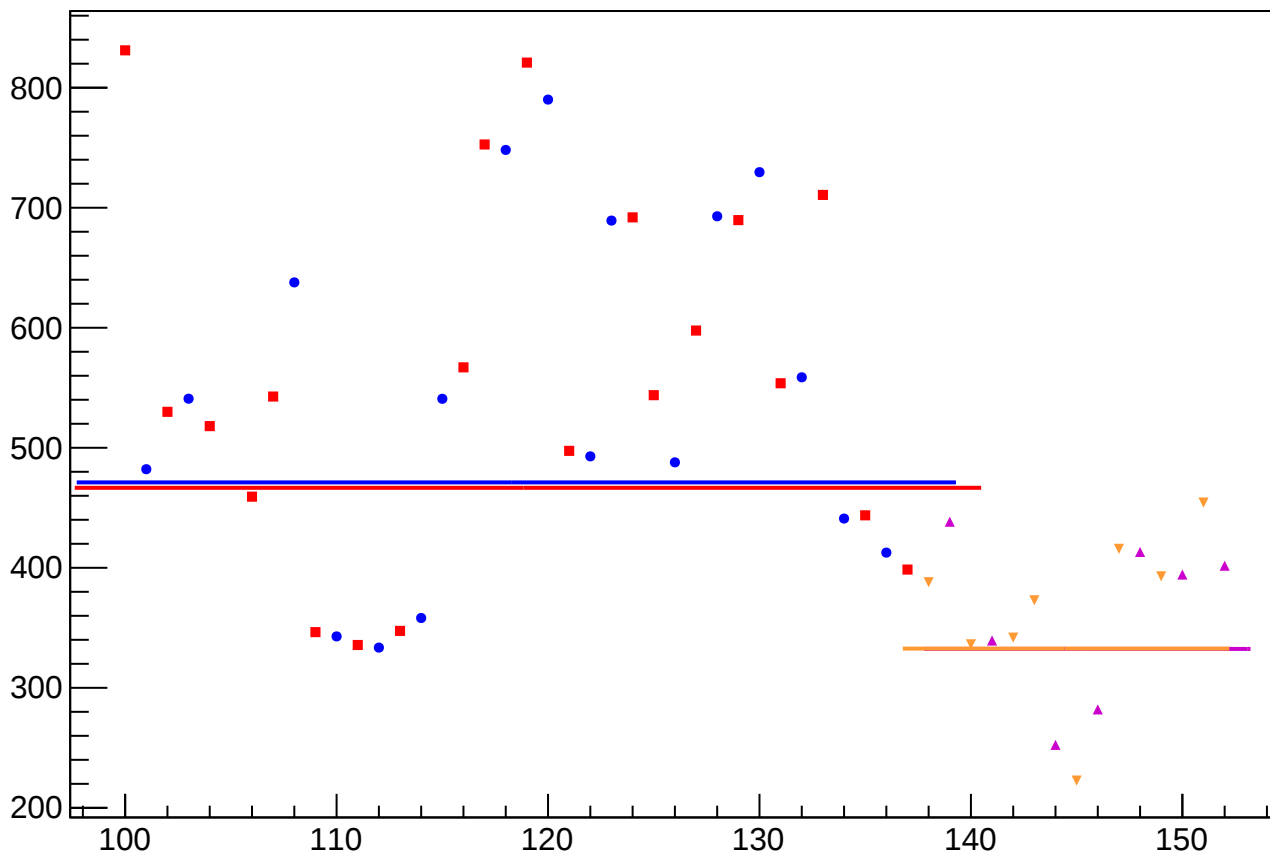
Left In: -238.967+/-142.430 χ^2/NDF :10.9/6

-285.912+/-114.268 χ^2/NDF : 39.5/24

-140.540+/-79.963 χ^2/NDF : 73.9/51

-1.037+/-111.937 χ^2/NDF : 31.2/26

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

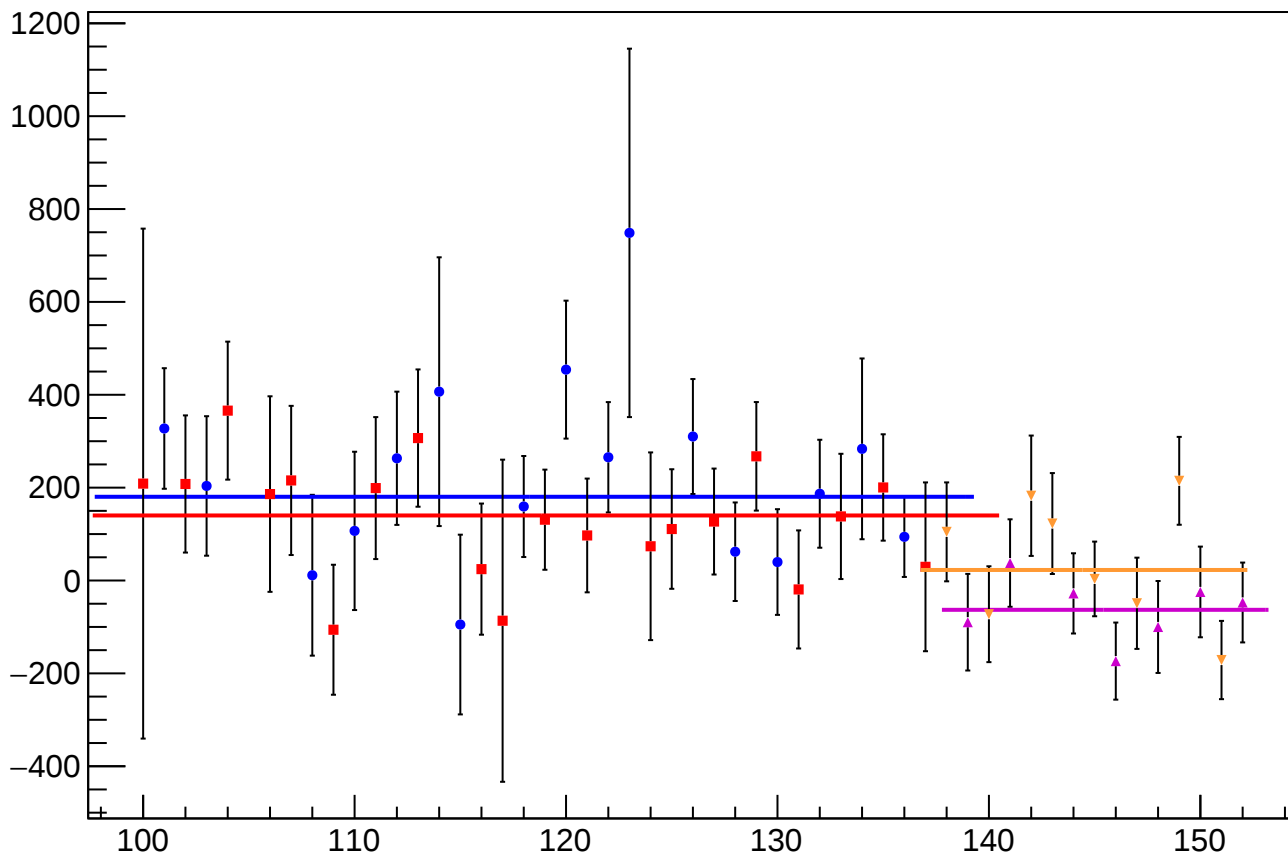
Left In: 332.410 $\pm$ 0.101 χ^2/NDF : 453376.4/6

382.910 $\pm$ 0.081 χ^2/NDF : 2176242.5/24

383.332 $\pm$ 0.057 χ^2/NDF : 4262083.8/51

383.737 $\pm$ 0.079 χ^2/NDF : 2085787.8/26

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

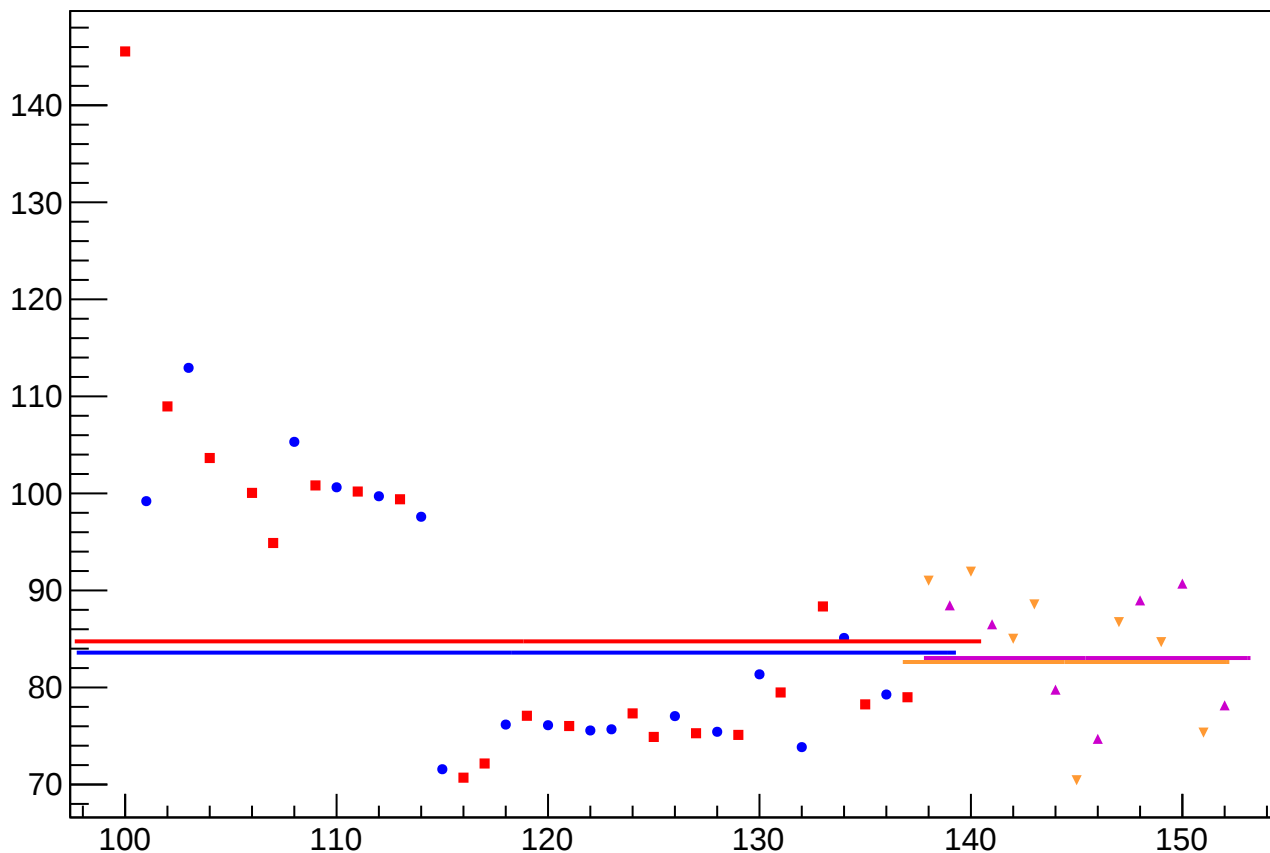
Left In: -63.125 $\pm$ 34.788 χ^2 /NDF:3.5/6

105.711 $\pm$ 23.781 χ^2 /NDF: 41.3/24

75.825 $\pm$ 16.762 χ^2 /NDF: 78.4/51

46.316 $\pm$ 23.630 χ^2 /NDF: 34.0/26

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

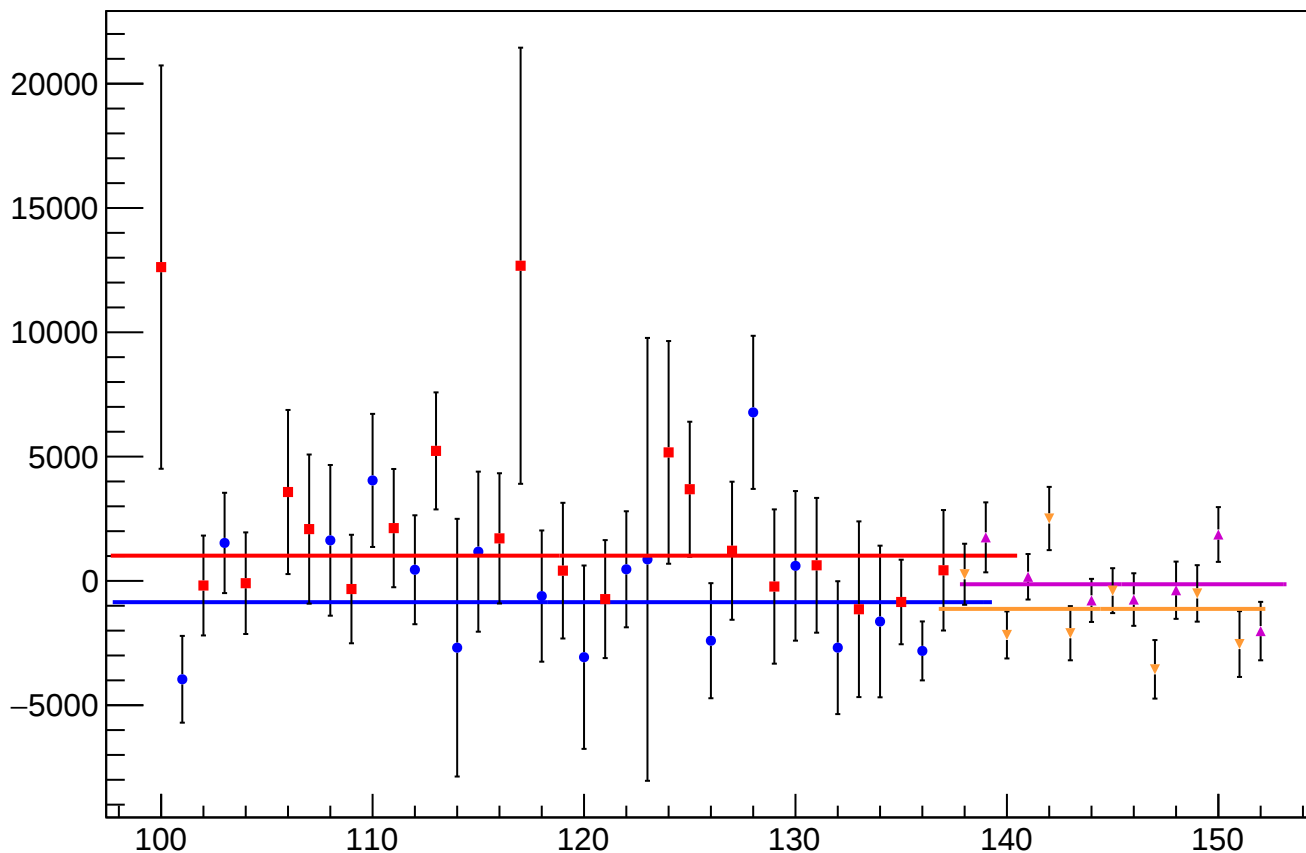
Left In: 83.034 $\pm$ 0.025 χ^2/NDF : 57112.3/6

83.134 $\pm$ 0.017 χ^2/NDF : 357344.7/24

83.549 $\pm$ 0.012 χ^2/NDF : 711557.7/51

83.959 $\pm$ 0.017 χ^2/NDF : 353000.8/26

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 $\chi^2/\text{NDF}: 13.3/19$

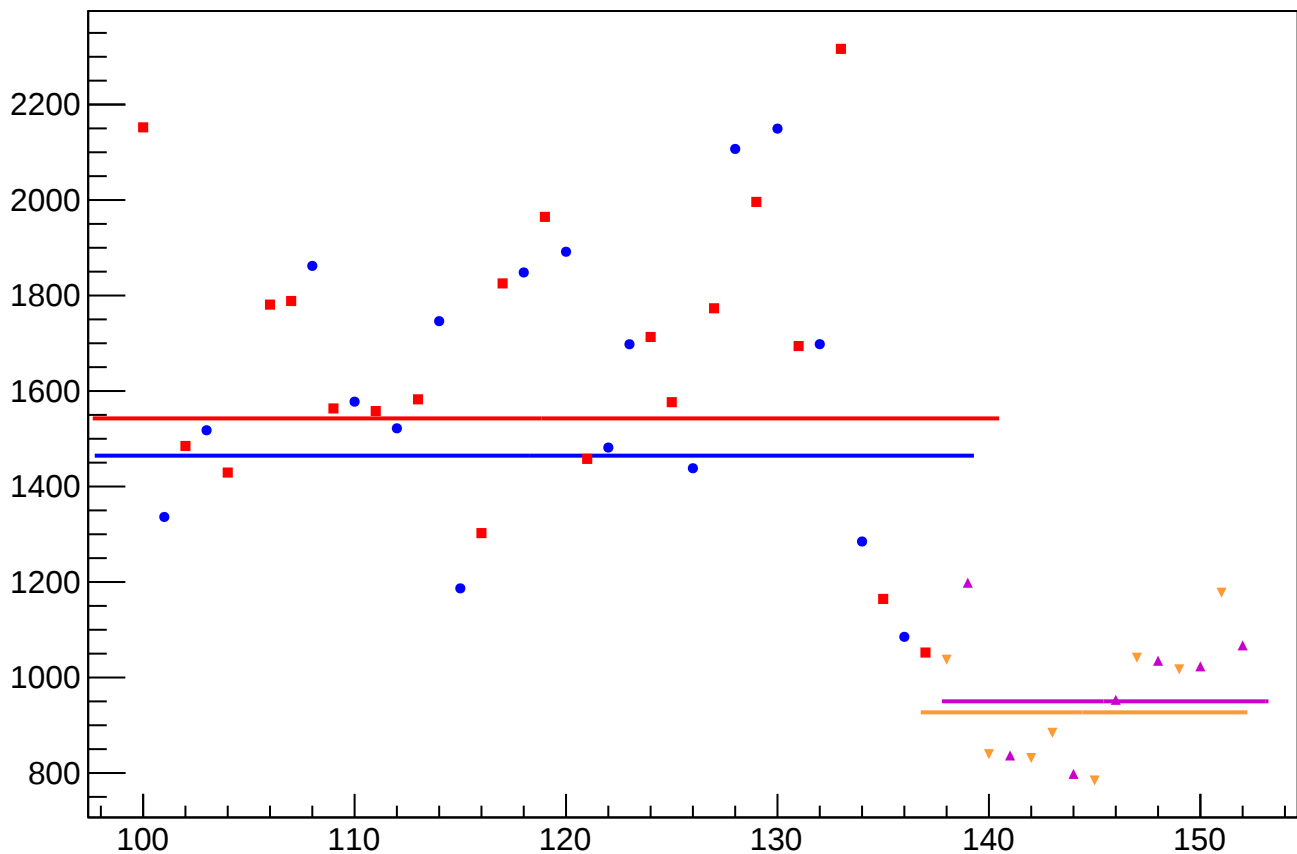
Left In: -134.767 ± 400.723 $\chi^2/\text{NDF}: 8.7/6$

-1041.901 ± 324.903 $\chi^2/\text{NDF}: 38.3/24$

-417.822 ± 231.898 $\chi^2/\text{NDF}: 70.4/51$

230.258 ± 331.092 $\chi^2/\text{NDF}: 24.6/26$

asym_sam_24_68_dd_correction_rms vs Slug, Sign Corrected



Right In: 1464.636 $\pm$ 0.412 χ^2 /NDF: 560863.4/16

Left Out: 927.087 $\pm$ 0.277 χ^2 /NDF: 200755.1/7

Right Out: 1542.663 $\pm$ 0.416 χ^2 /NDF: 455797.2/19

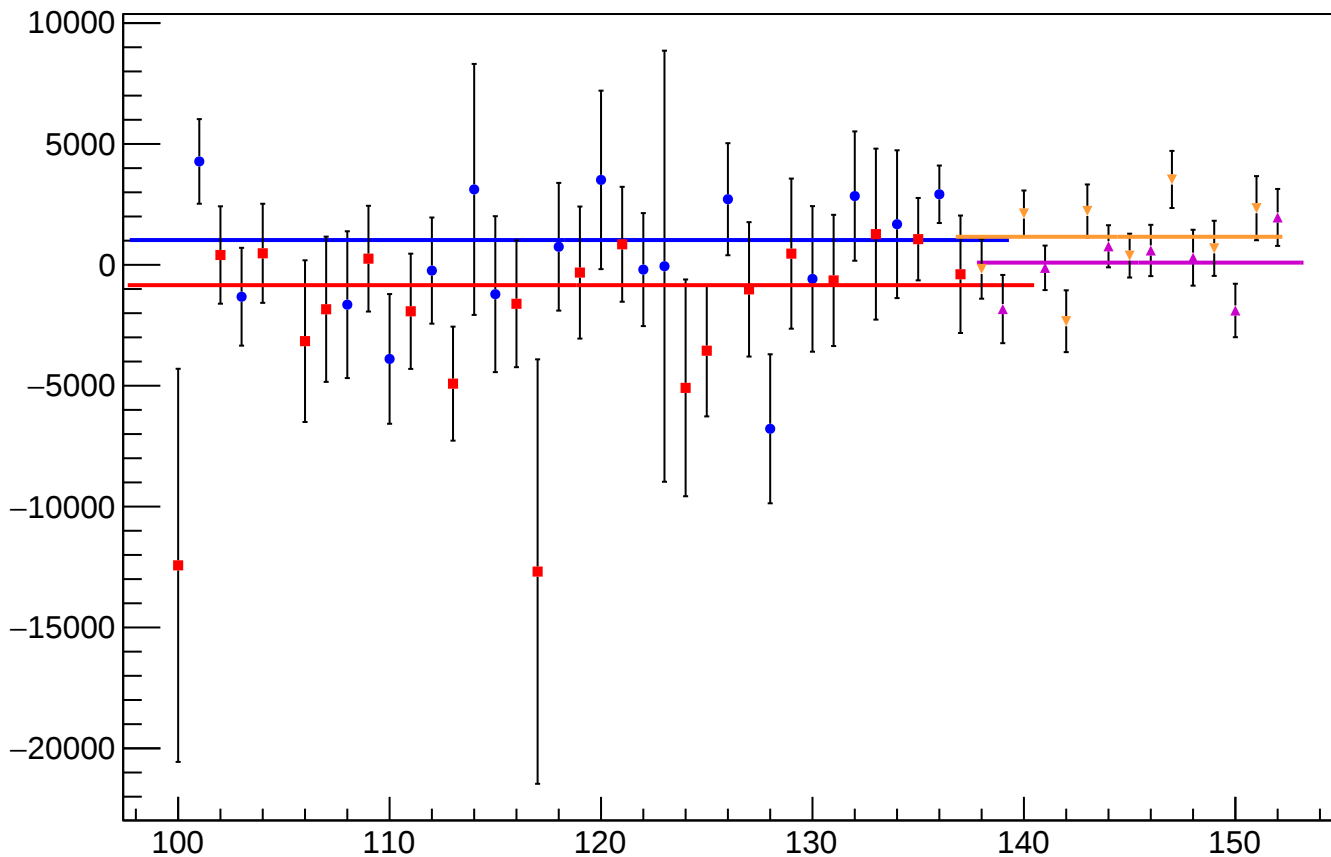
Left In: 950.134 $\pm$ 0.283 χ^2 /NDF: 194112.5/6

1093.871 $\pm$ 0.230 χ^2 /NDF: 1933210.6/24

1115.599 $\pm$ 0.164 χ^2 /NDF: 3988995.7/51

1138.163 $\pm$ 0.234 χ^2 /NDF: 2037552.0/26

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

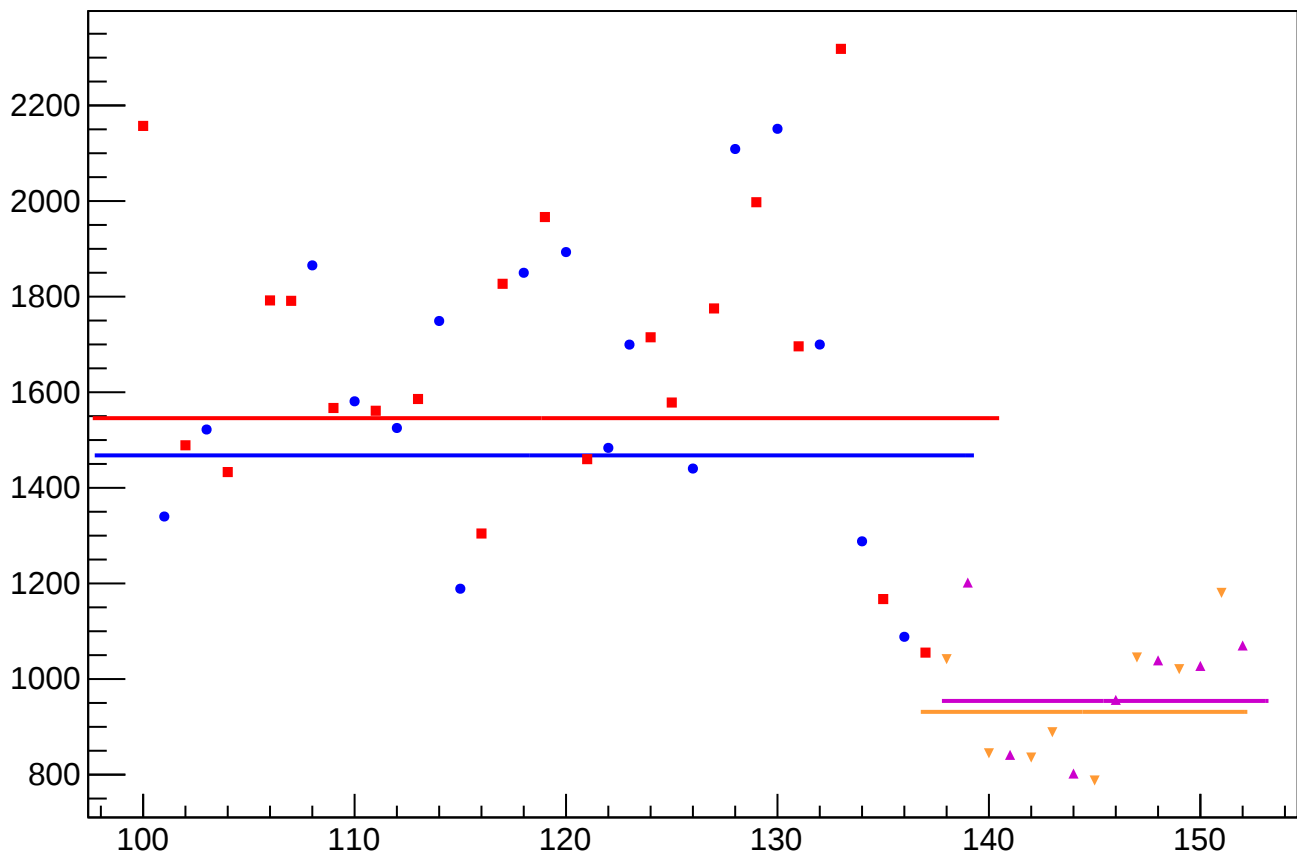
Left In: 91.713 $\pm$ 402.381 χ^2/NDF : 8.5/6

1118.519 $\pm$ 326.100 χ^2/NDF : 37.3/24

469.189 $\pm$ 232.735 χ^2/NDF : 68.6/51

-204.906 $\pm$ 332.261 χ^2/NDF : 23.2/26

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

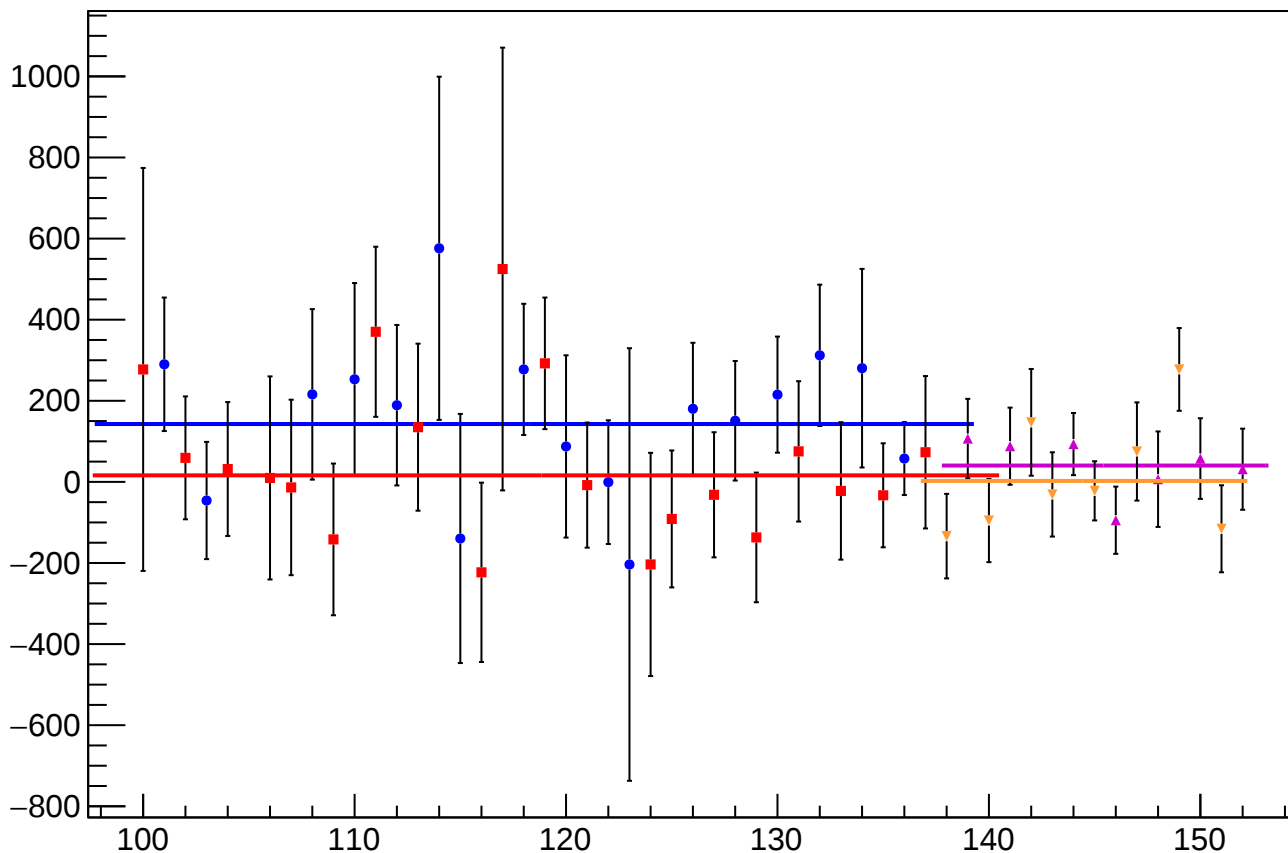
Left In: 954.217 $\pm$ 0.285 χ^2 /NDF:191410.5/6

1098.368 $\pm$ 0.231 χ^2 /NDF: 1916351.8/24

1119.986 $\pm$ 0.165 χ^2 /NDF: 3954875.1/51

1142.429 $\pm$ 0.235 χ^2 /NDF: 2020608.5/26

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

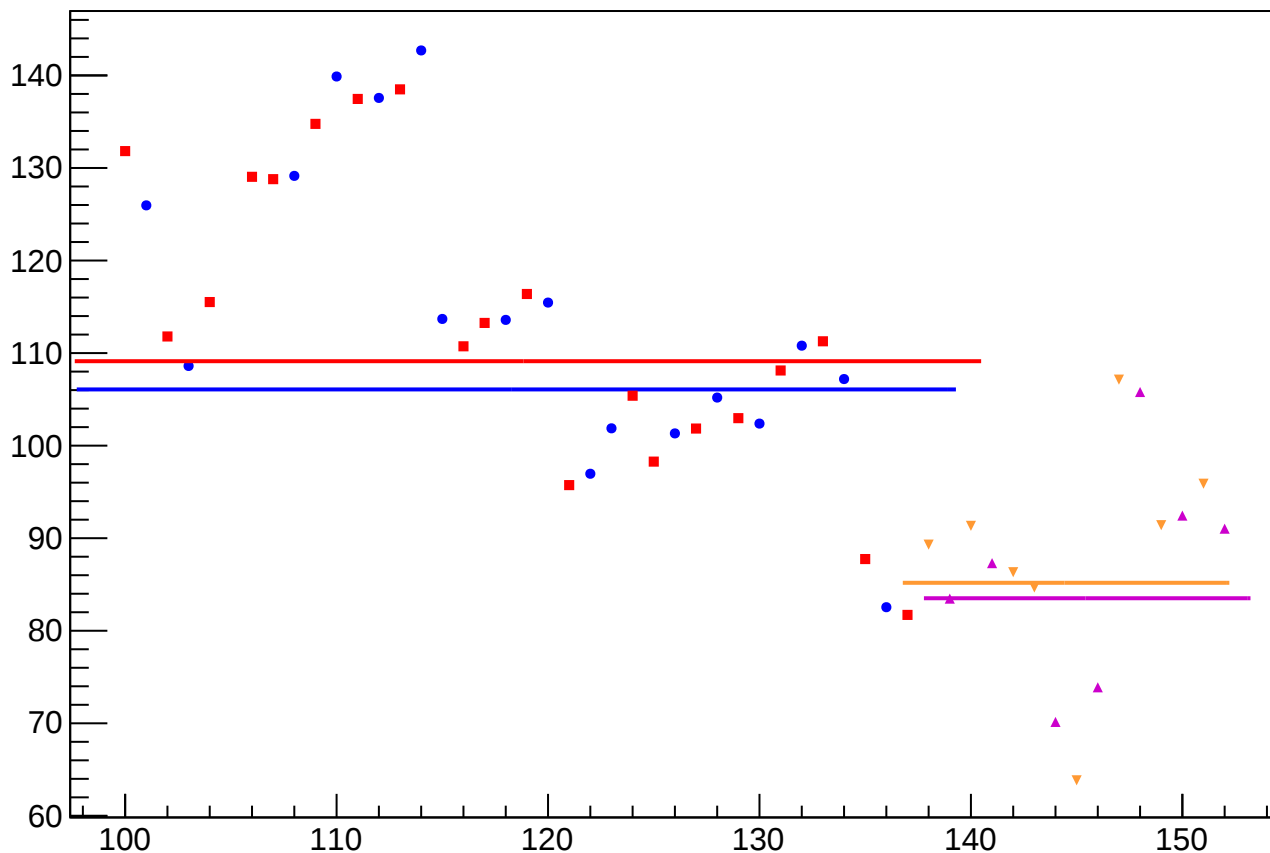
Left In: 40.289 $\pm$ 35.276 χ^2 /NDF:4.0/6

62.203 $\pm$ 27.184 χ^2 /NDF: 28.7/24

45.924 $\pm$ 19.091 χ^2 /NDF: 45.3/51

30.081 $\pm$ 26.817 χ^2 /NDF: 15.9/26

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

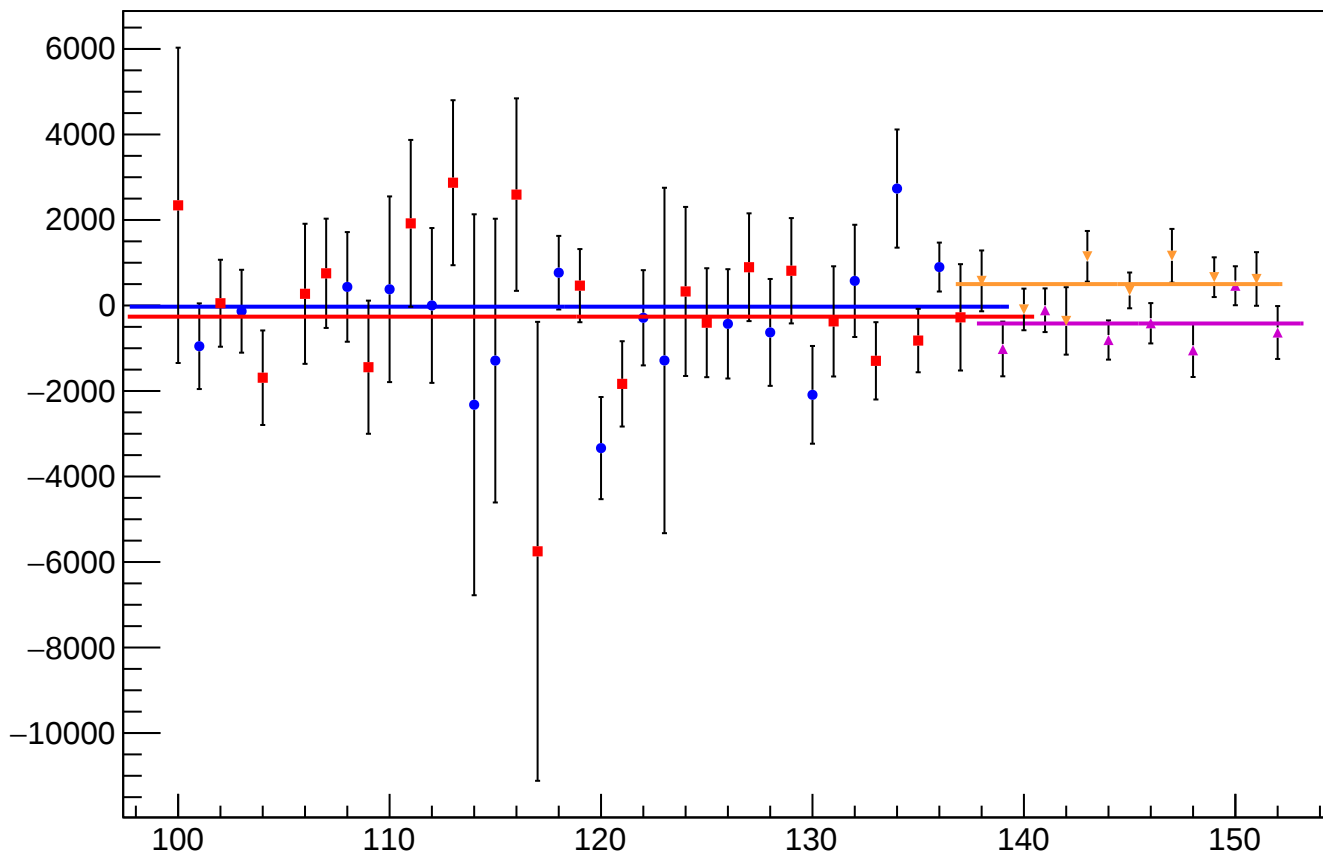
Left In: 83.512 $\pm$ 0.025 χ^2 /NDF: 190009.3/6

94.092 $\pm$ 0.019 χ^2 /NDF: 881453.4/24

94.209 $\pm$ 0.013 χ^2 /NDF: 1802035.9/51

94.323 $\pm$ 0.019 χ^2 /NDF: 920509.5/26

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

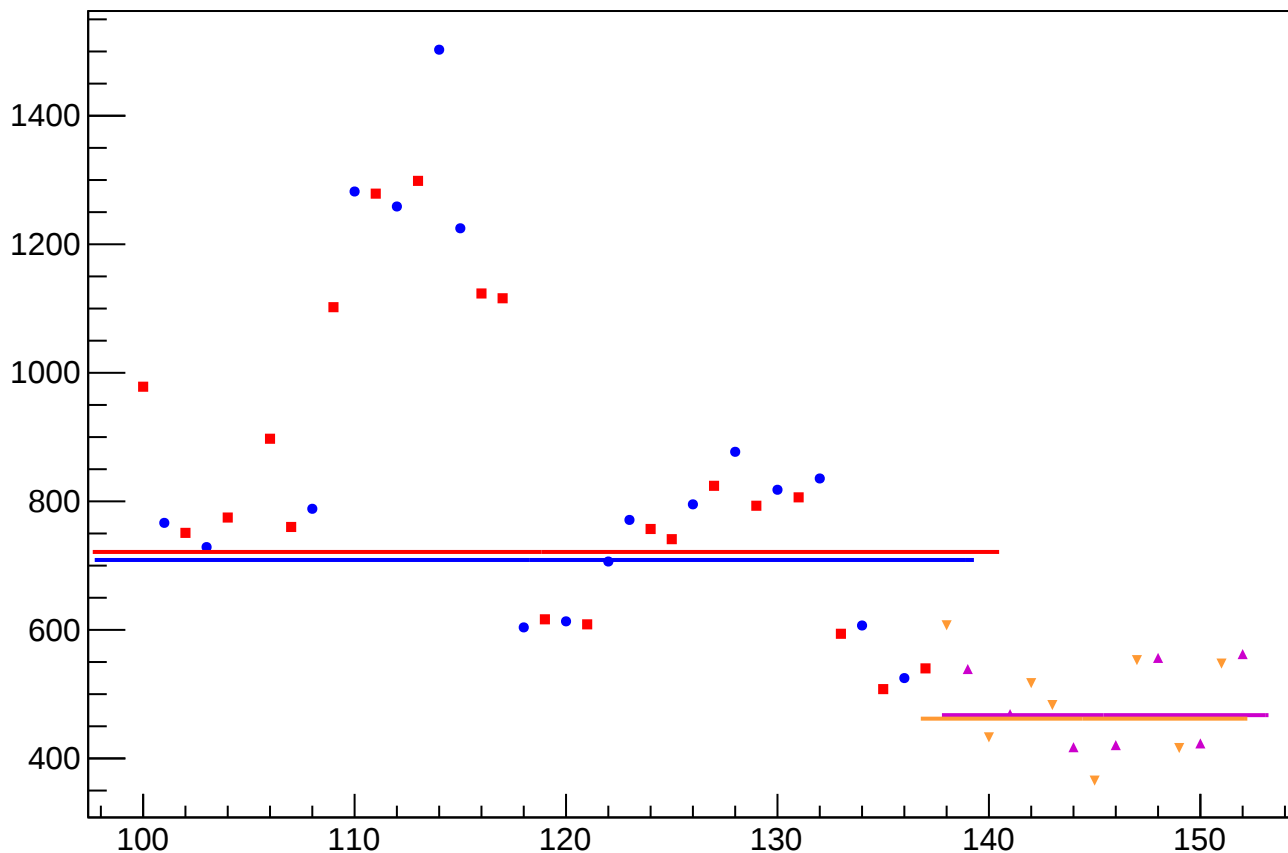
Left In: -420.979 ± 197.956 χ^2/NDF : 6.8/6

329.915 ± 161.189 χ^2/NDF : 28.2/24

-18.214 ± 114.074 χ^2/NDF : 61.4/51

-367.517 ± 161.461 χ^2/NDF : 23.9/26

asym_sam_26_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 708.784 $\pm$ 0.201 χ^2/NDF : 793538.1/16

Left Out: 461.876 $\pm$ 0.138 χ^2/NDF : 307782.3/7

Right Out: 721.271 $\pm$ 0.197 χ^2/NDF : 910781.0/19

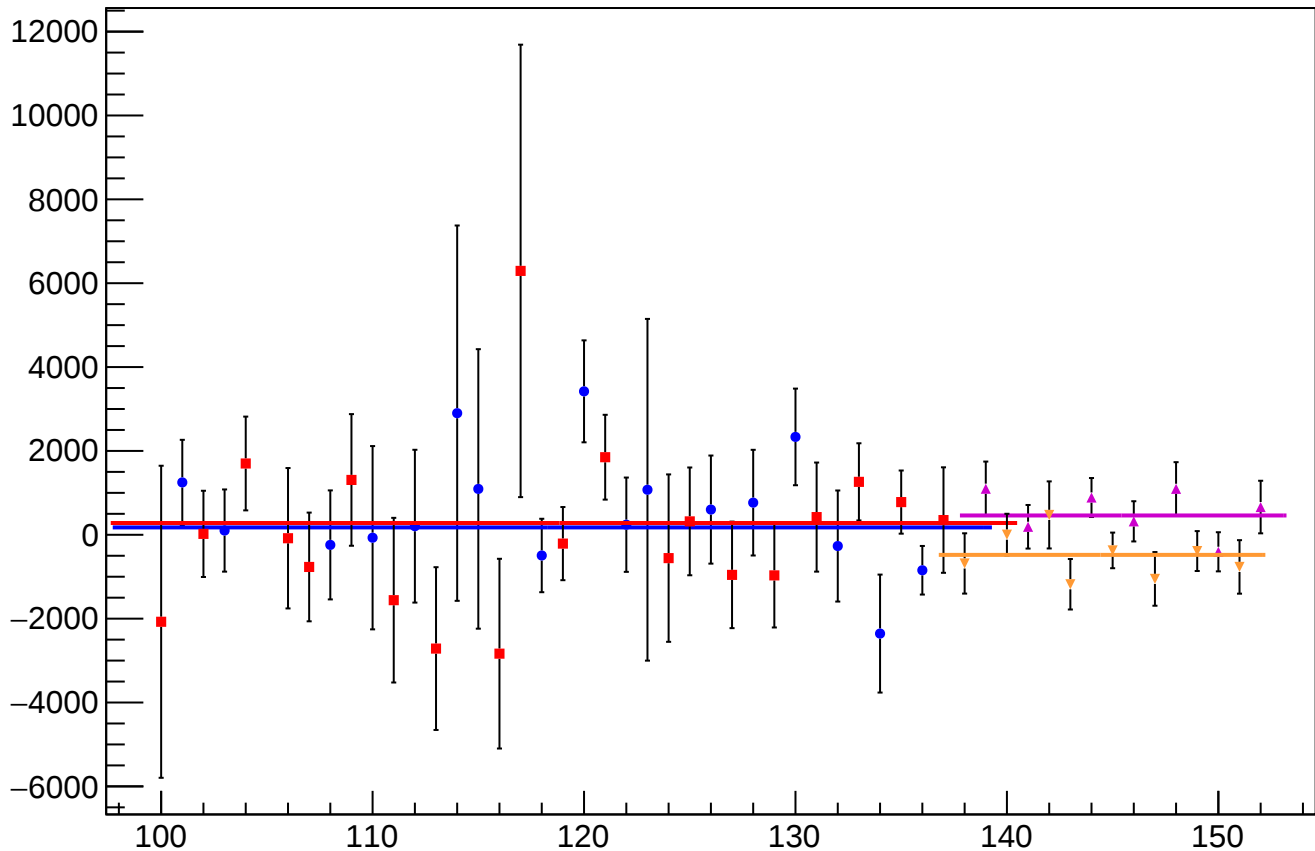
Left In: 467.341 $\pm$ 0.140 χ^2/NDF : 174921.9/6

541.558 $\pm$ 0.114 χ^2/NDF : 2127029.2/24

546.940 $\pm$ 0.081 χ^2/NDF : 4318782.3/51

552.340 $\pm$ 0.114 χ^2/NDF : 2187286.3/26

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

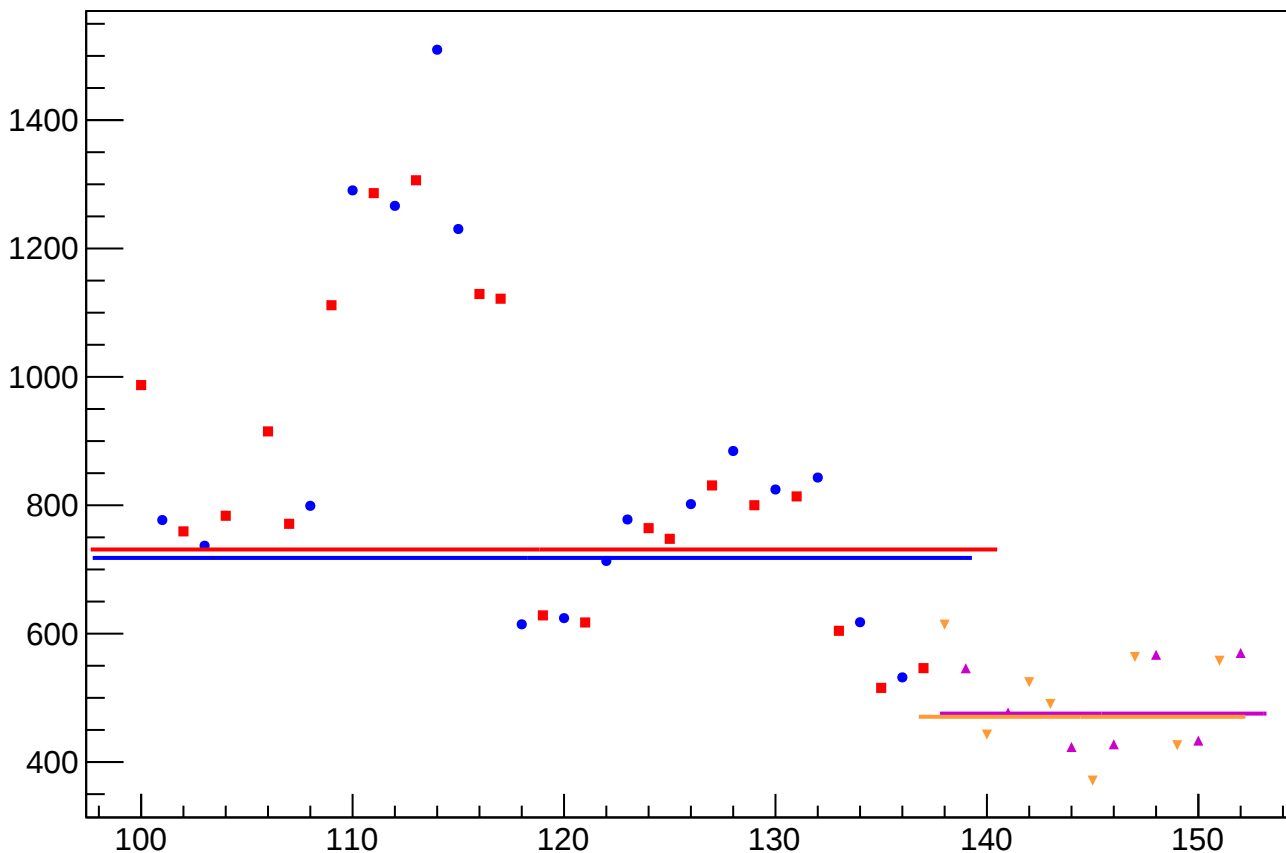
Left In: 460.711 $\pm$ 201.325 χ^2 /NDF: 6.7/6

-266.116 $\pm$ 163.807 χ^2 /NDF: 28.1/24

66.721 $\pm$ 115.893 χ^2 /NDF: 59.5/51

400.293 $\pm$ 163.988 χ^2 /NDF: 23.0/26

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

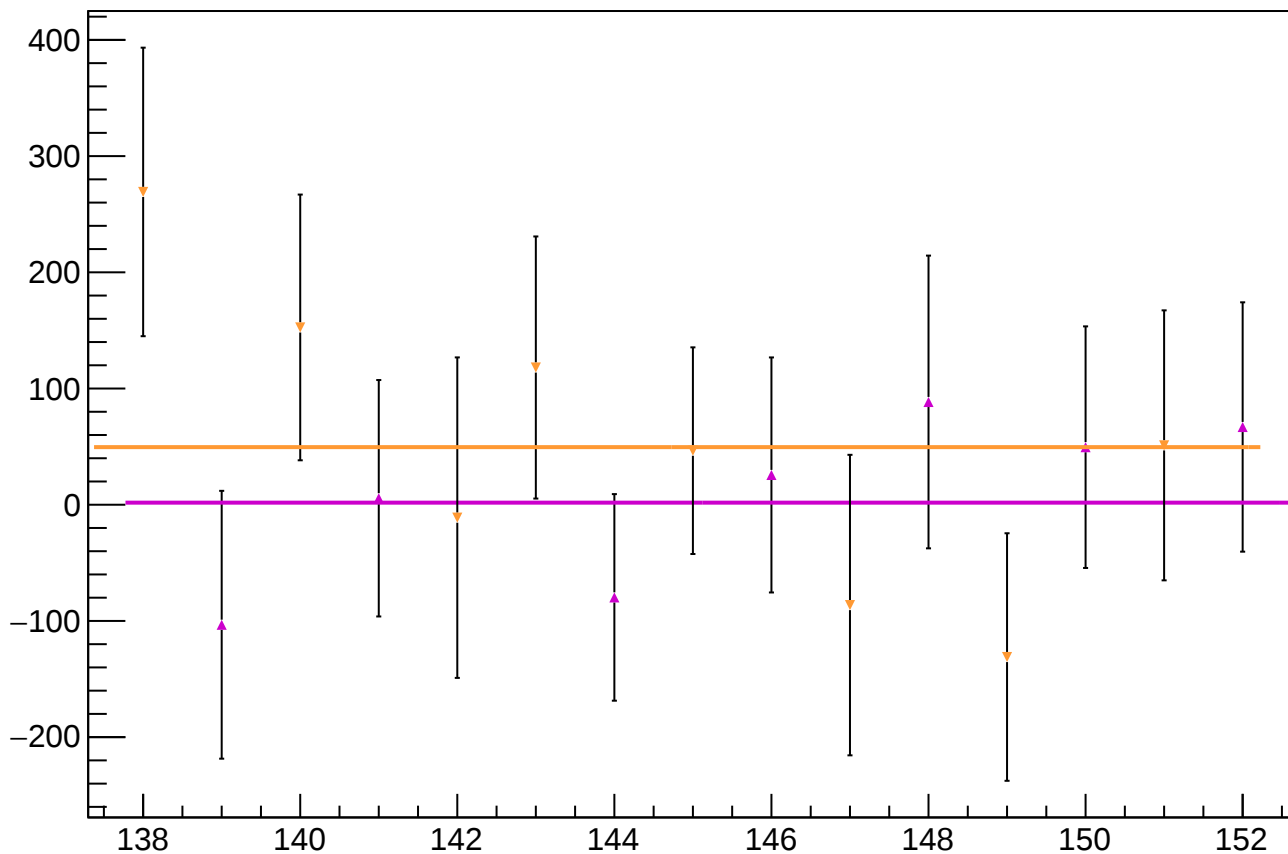
Left In: 475.463 $\pm$ 0.142 χ^2/NDF : 171847.9/6

550.994 $\pm$ 0.116 χ^2/NDF : 2084222.3/24

556.240 $\pm$ 0.082 χ^2/NDF : 4237829.3/51

561.496 $\pm$ 0.116 χ^2/NDF : 2149501.0/26

reg_asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 49.566+/-40.124 χ^2/NDF : 8.5/7

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

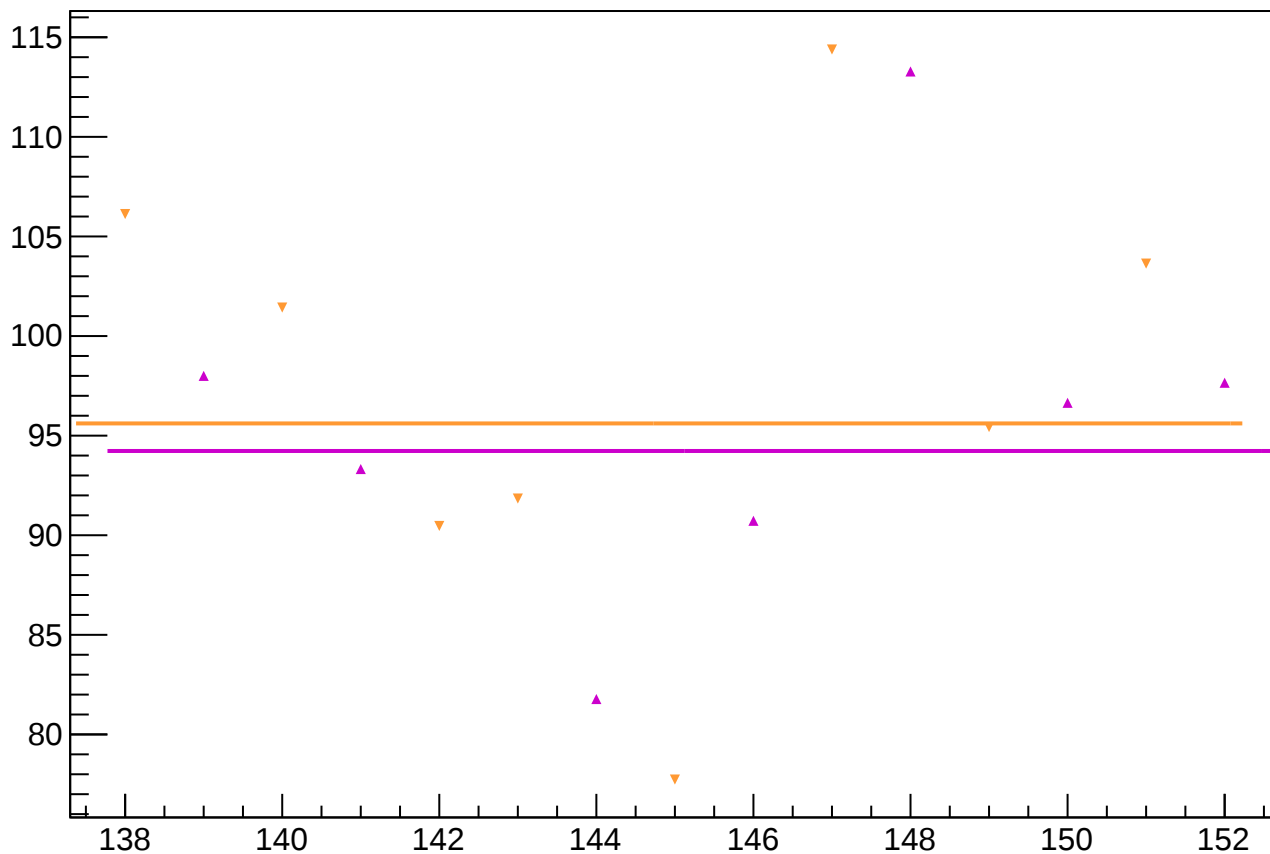
Left In: 1.790+/-39.568 χ^2/NDF : 2.8/6

49.566+/-40.124 χ^2/NDF : 8.5/7

25.345+/-28.174 χ^2/NDF : 12.0/14

1.790+/-39.568 χ^2/NDF : 2.8/6

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

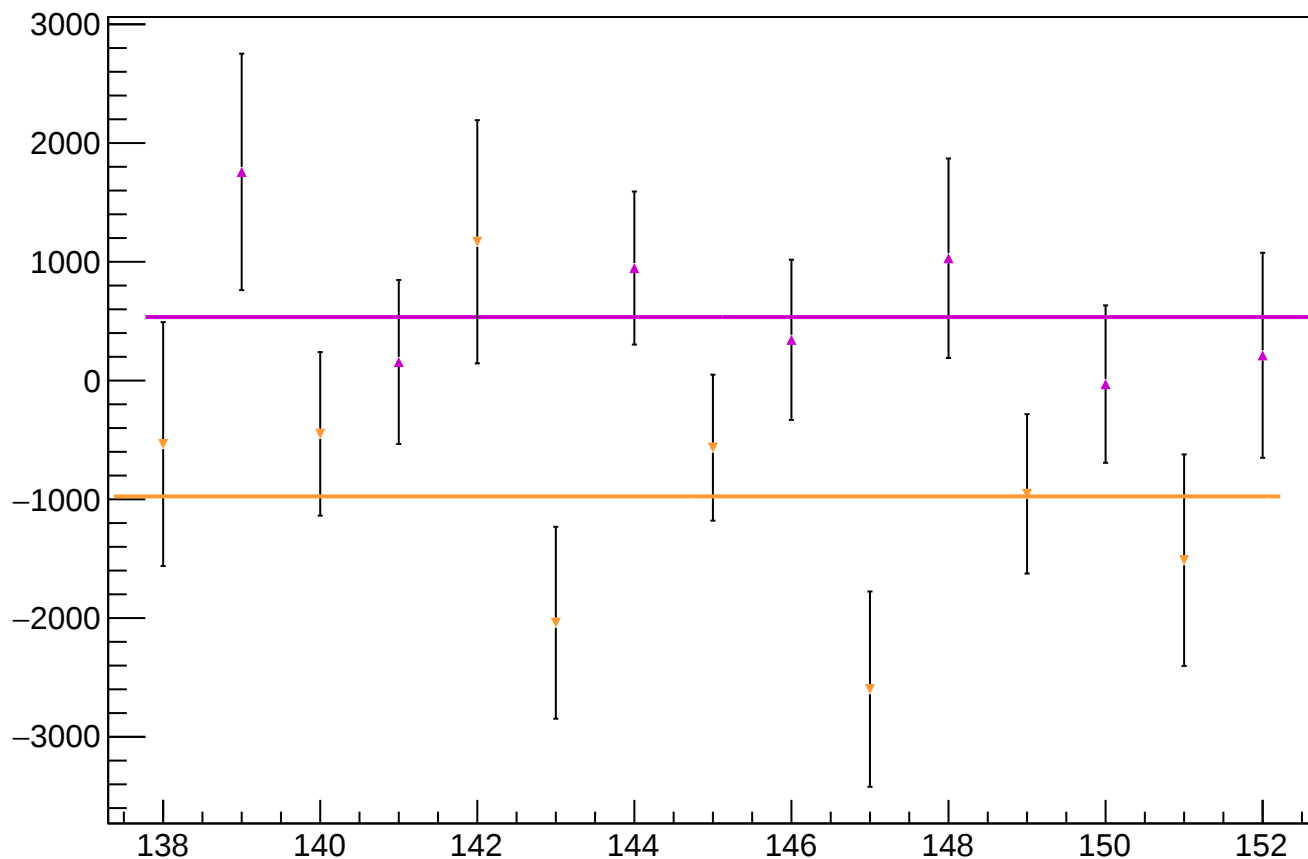
Left In: 94.230+/-0.028 χ^2/NDF : 92836.1/6

95.613+/-0.028 χ^2/NDF : 157098.6/7

94.912+/-0.020 χ^2/NDF : 251139.9/14

94.230+/-0.028 χ^2/NDF : 92836.1/6

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

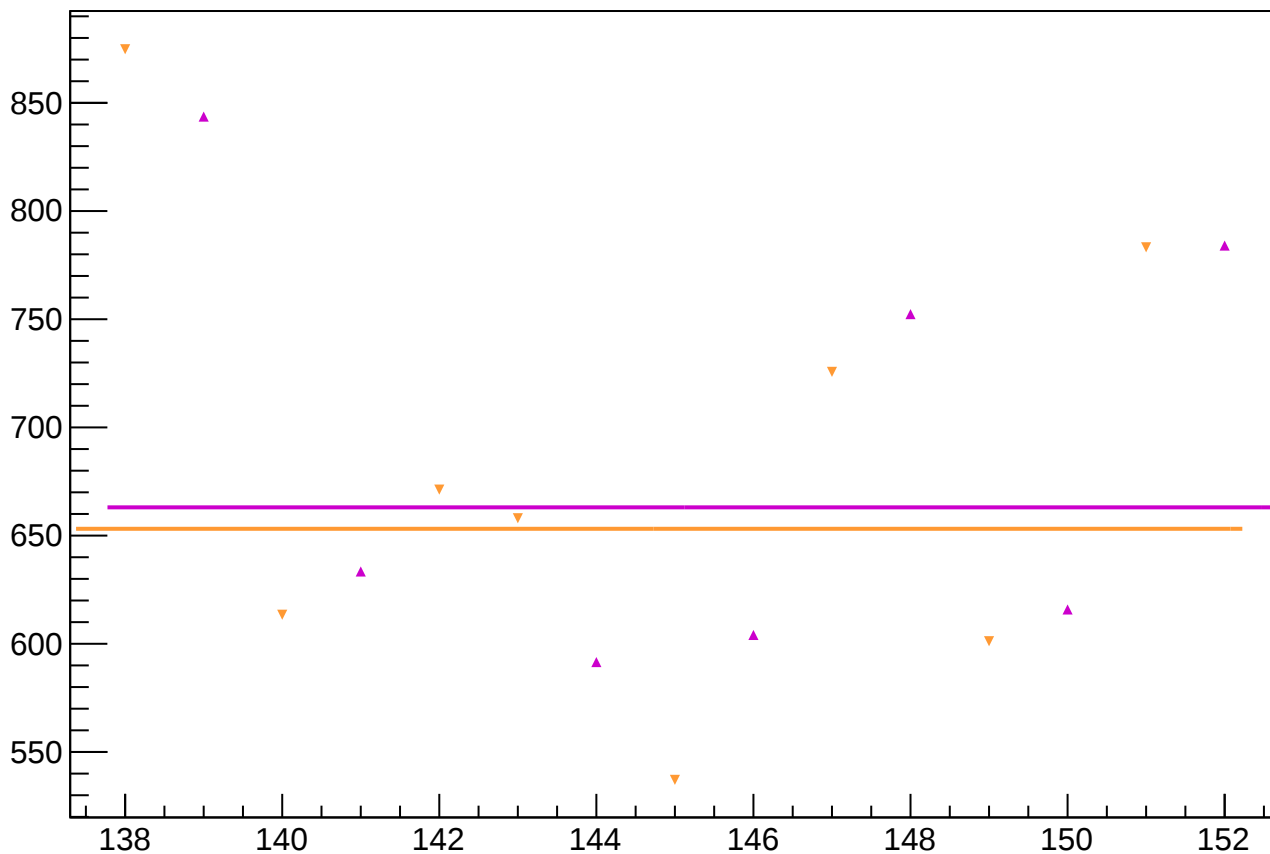
Left In: 534.509+/-280.101 χ^2/NDF : 3.5/6

-975.412+/-275.804 χ^2/NDF : 11.6/7

-232.120+/-196.524 χ^2/NDF : 29.9/14

534.509+/-280.101 χ^2/NDF : 3.5/6

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

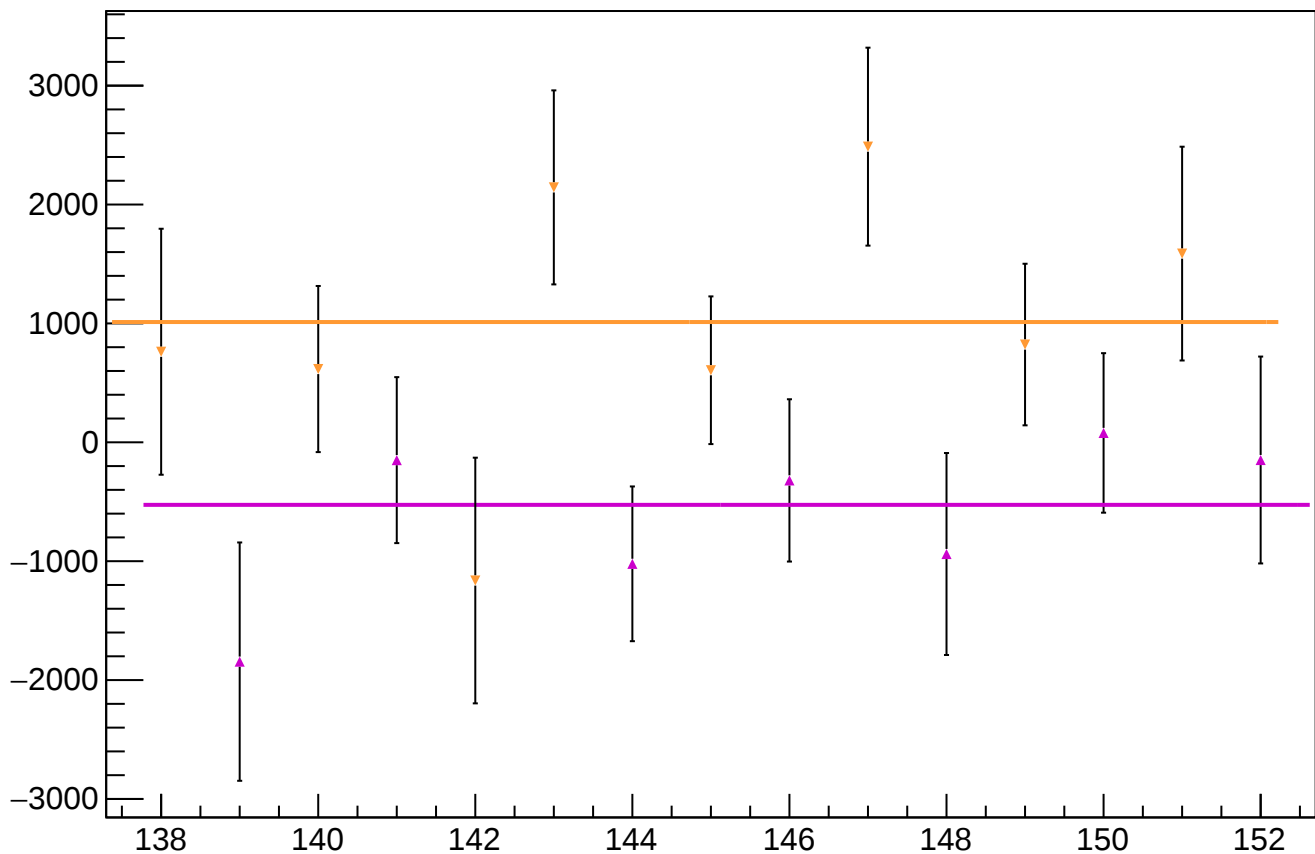
Left In: 663.055+/-0.198 χ^2/NDF : 181450.4/6

653.147+/-0.195 χ^2/NDF : 242006.0/7

658.025+/-0.139 χ^2/NDF : 424727.0/14

663.055+/-0.198 χ^2/NDF : 181450.4/6

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

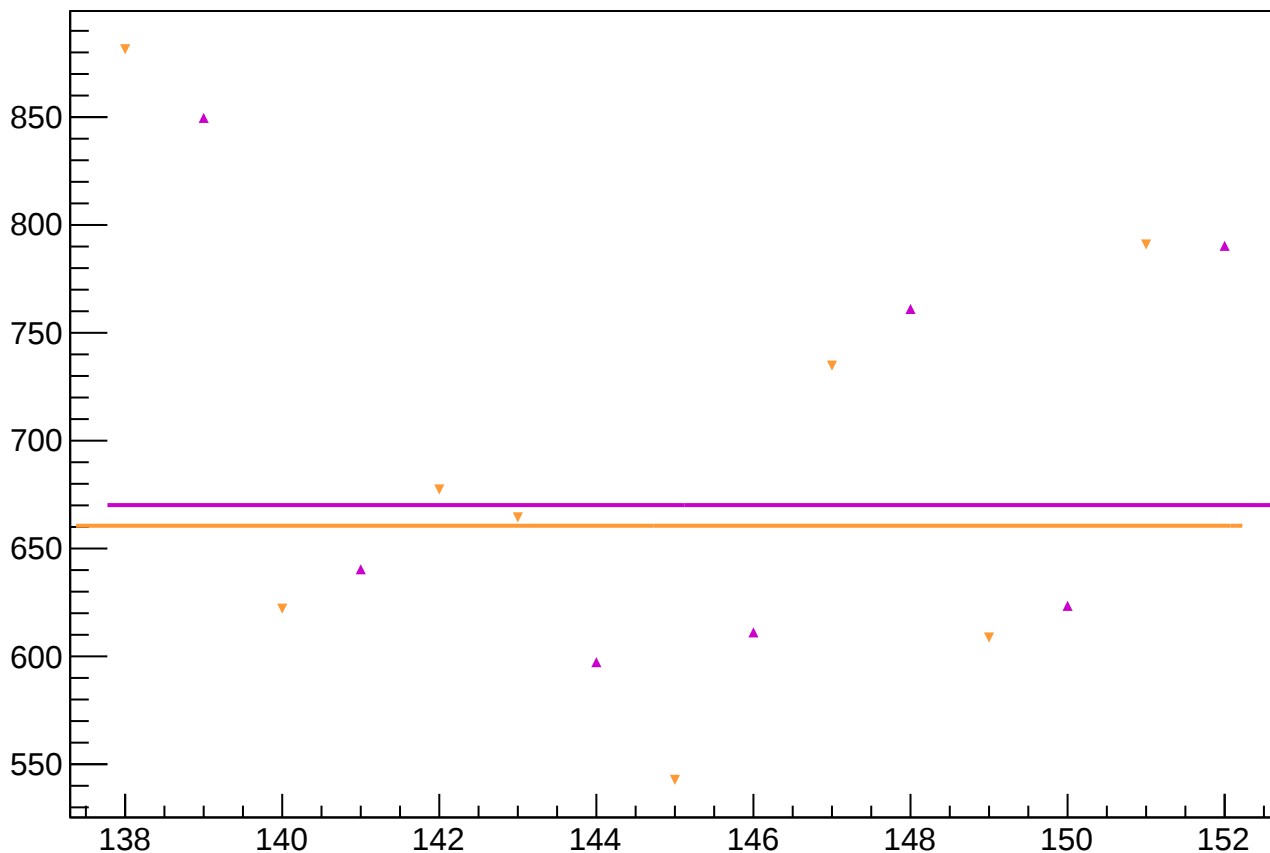
Left In: -526.170+/-283.030 χ^2/NDF : 3.9/6

1011.679+/-278.872 χ^2/NDF : 10.8/7

254.135+/-198.646 χ^2/NDF : 29.7/14

-526.170+/-283.030 χ^2/NDF : 3.9/6

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

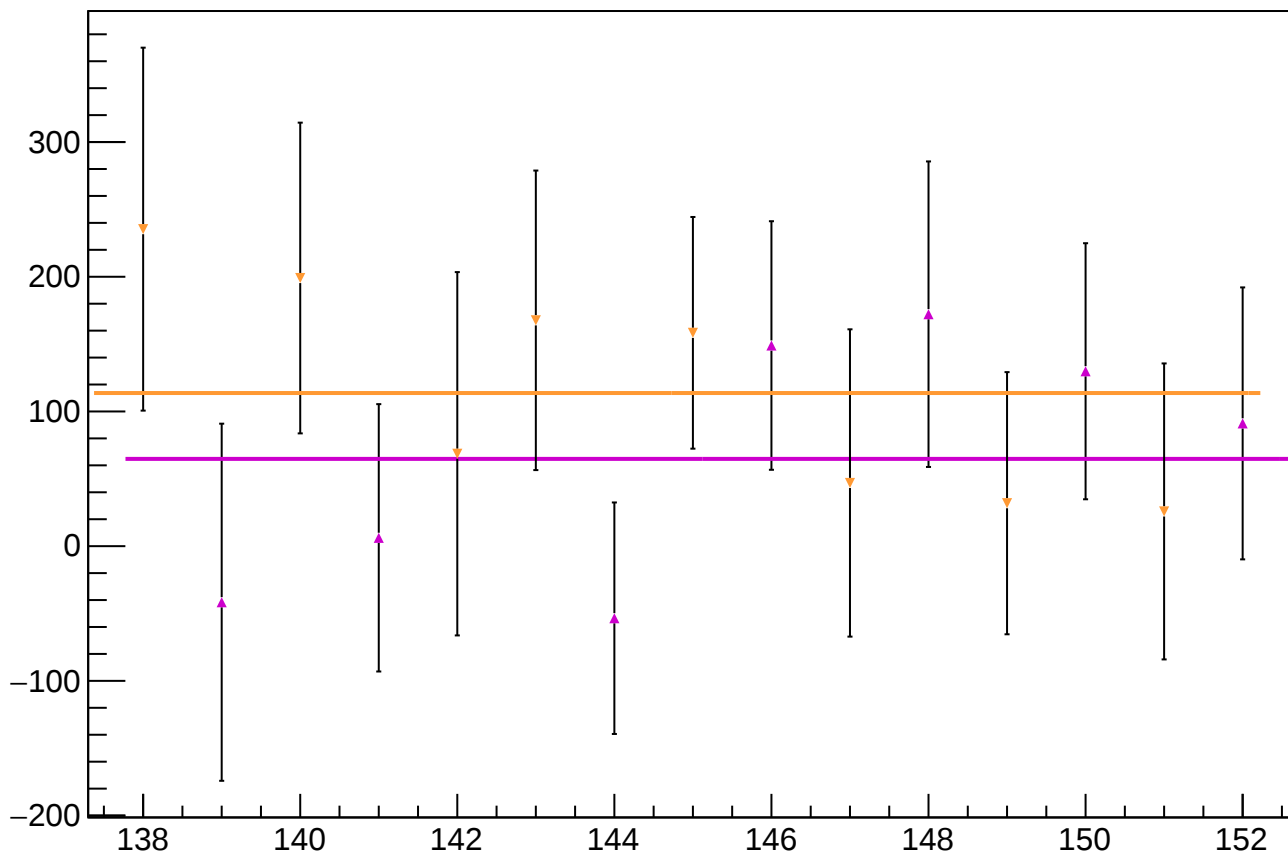
Left In: 670.137+/-0.200 χ^2/NDF : 178547.8/6

660.562+/-0.197 χ^2/NDF : 239366.7/7

665.279+/-0.140 χ^2/NDF : 419076.0/14

670.137+/-0.200 χ^2/NDF : 178547.8/6

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

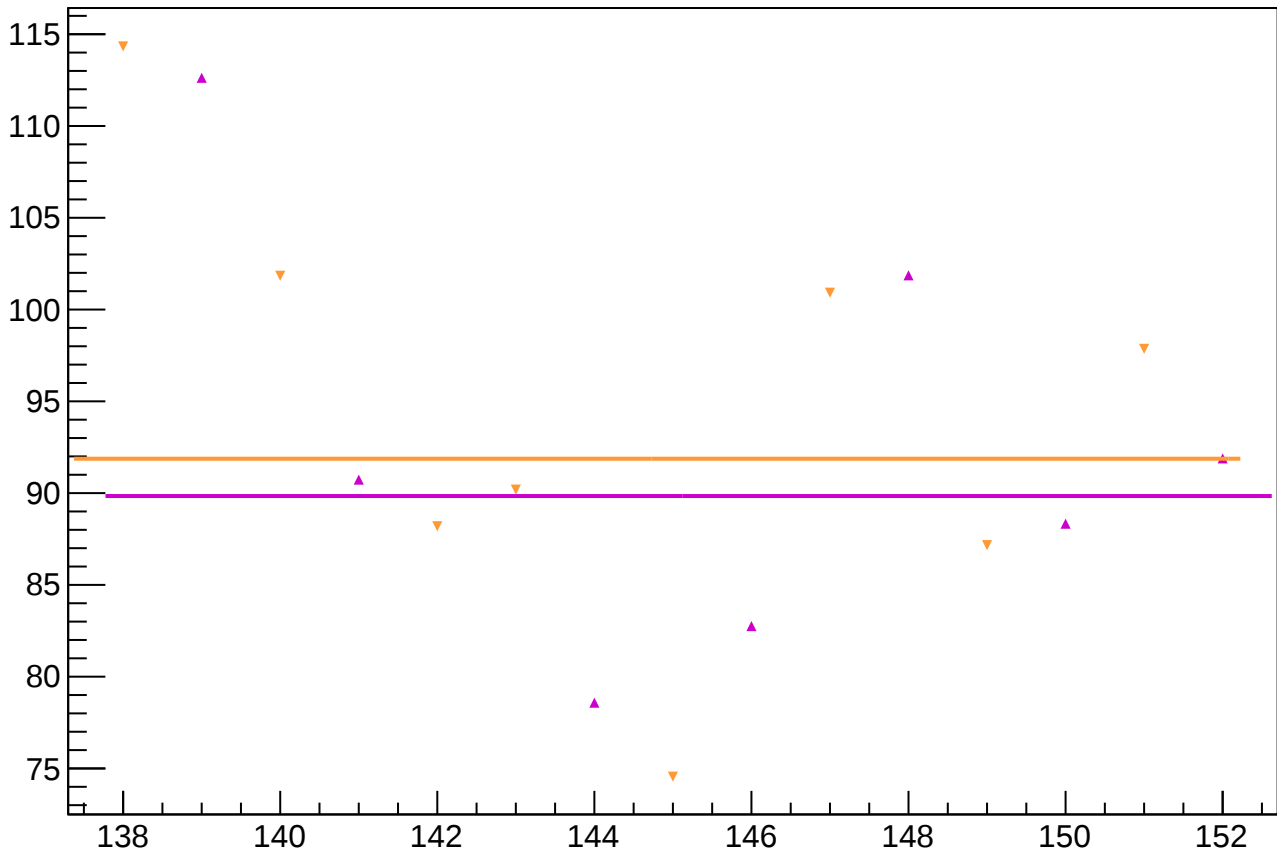
Left In: 64.796+/-37.853 χ^2/NDF : 5.2/6

113.685+/-38.731 χ^2/NDF : 3.7/7

88.680+/-27.071 χ^2/NDF : 9.6/14

64.796+/-37.853 χ^2/NDF : 5.2/6

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

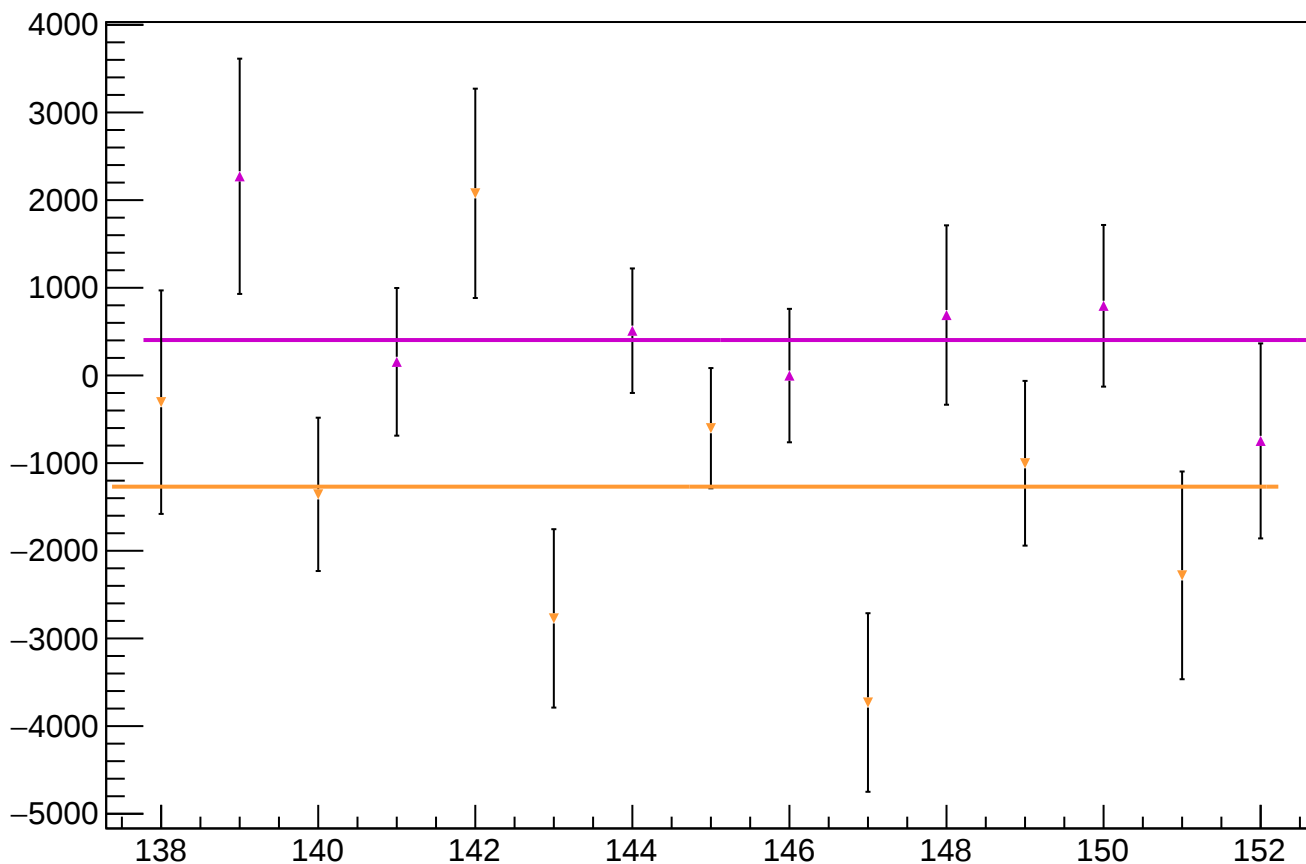
Left In: 89.841+/-0.027 χ^2/NDF :129171.9/6

91.874+/-0.027 χ^2/NDF : 176800.4/7

90.834+/-0.019 χ^2/NDF : 308789.5/14

89.841+/-0.027 χ^2/NDF : 129171.9/6

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

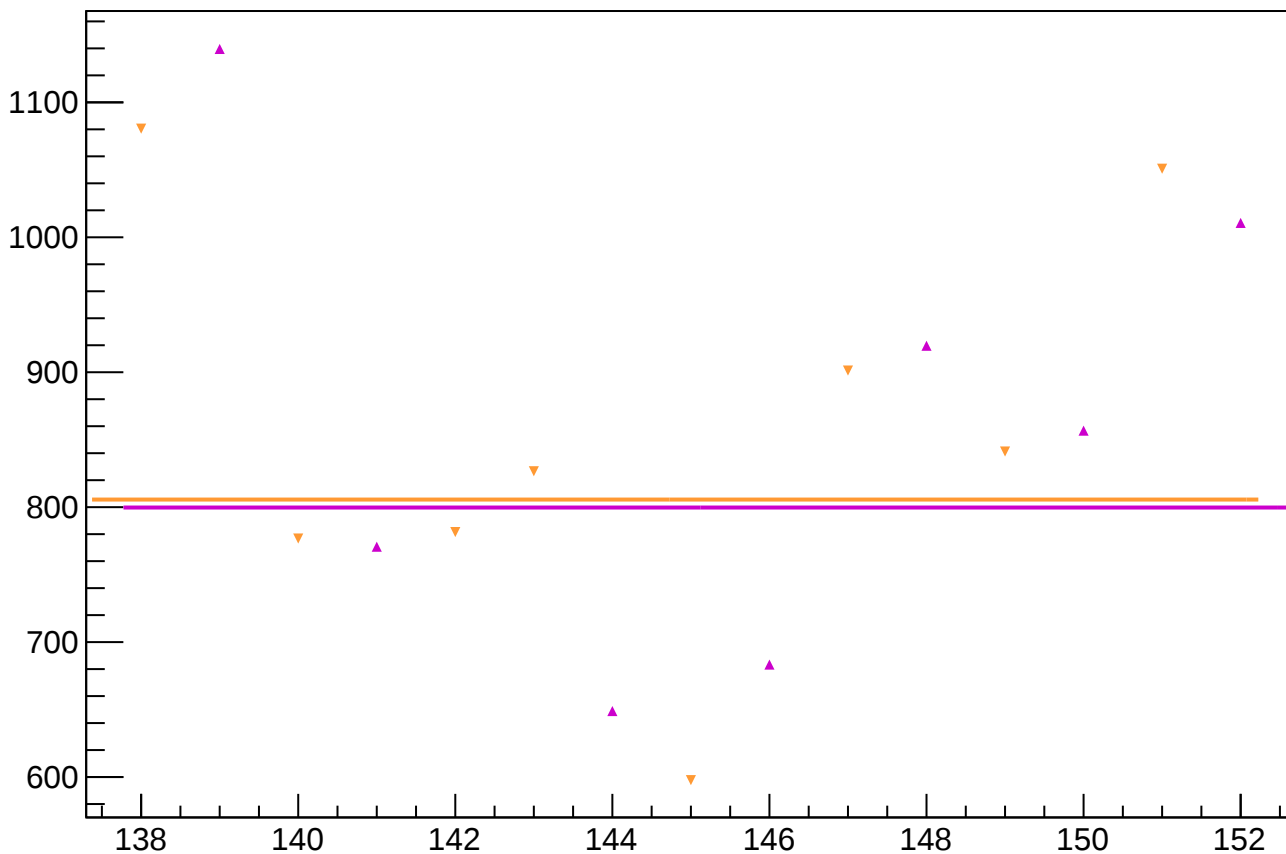
Left In: 403.986+/-340.739 χ^2/NDF : 3.7/6

-1268.573+/-342.509 χ^2/NDF : 18.2/7

-427.959+/-241.562 χ^2/NDF : 33.9/14

403.986+/-340.739 χ^2/NDF : 3.7/6

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 805.641+/-0.242 χ^2/NDF : 386735.4/7

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

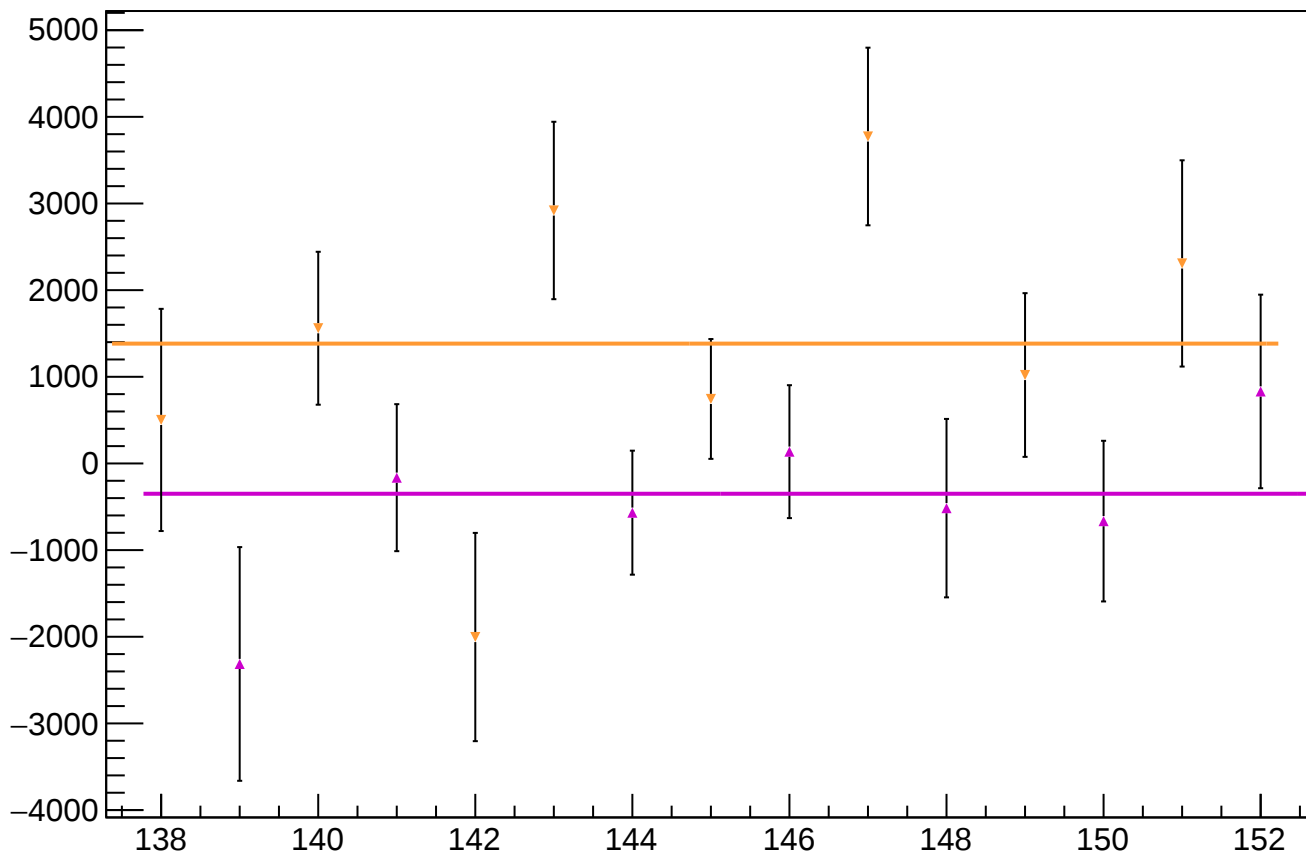
Left In: 799.729+/-0.241 χ^2/NDF : 374643.3/6

805.641+/-0.242 χ^2/NDF : 386735.4/7

802.670+/-0.171 χ^2/NDF : 761678.2/14

799.729+/-0.241 χ^2/NDF : 374643.3/6

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

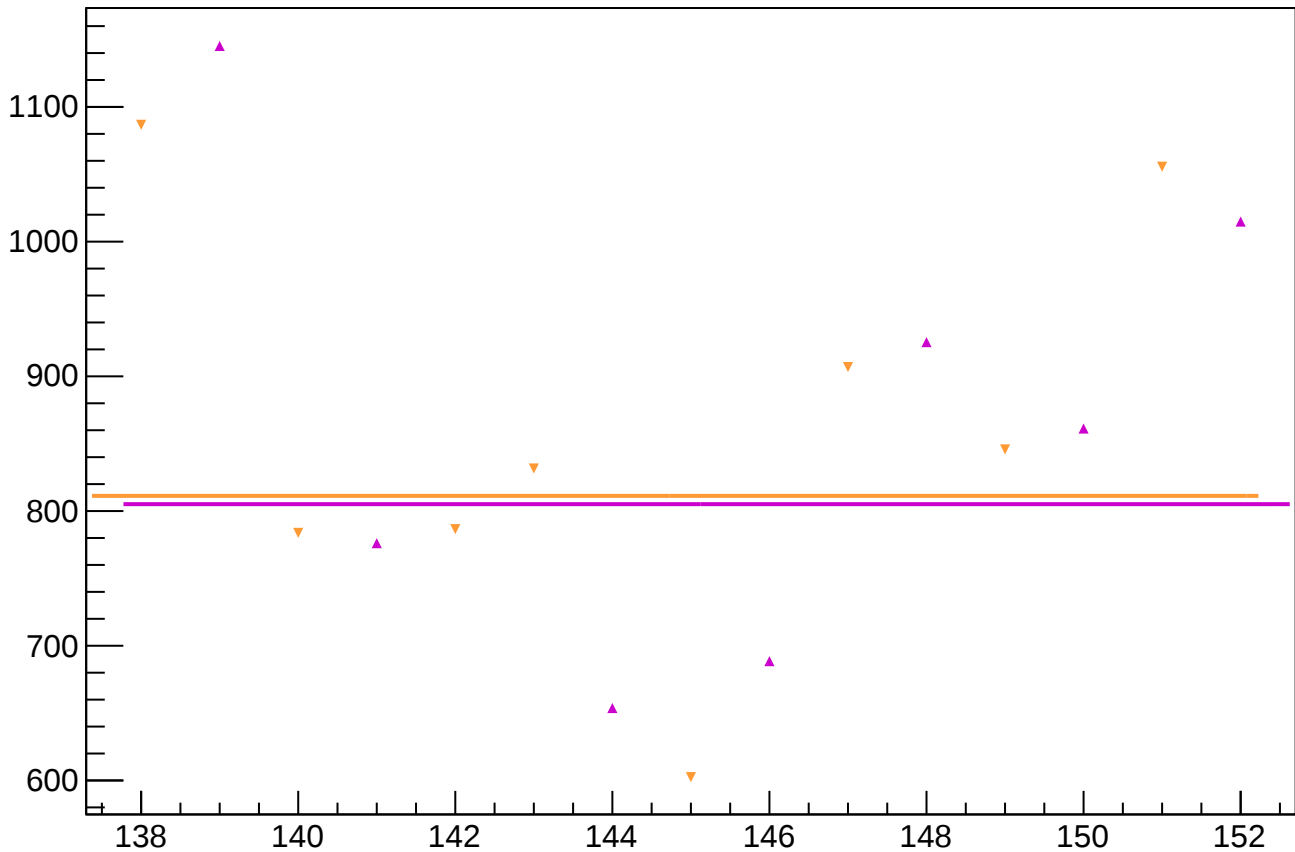
Left In: -349.700+/-342.960 χ^2/NDF : 3.9/6

1382.968+/-344.839 χ^2/NDF : 17.7/7

511.899+/-243.171 χ^2/NDF : 34.4/14

-349.700+/-342.960 χ^2/NDF : 3.9/6

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

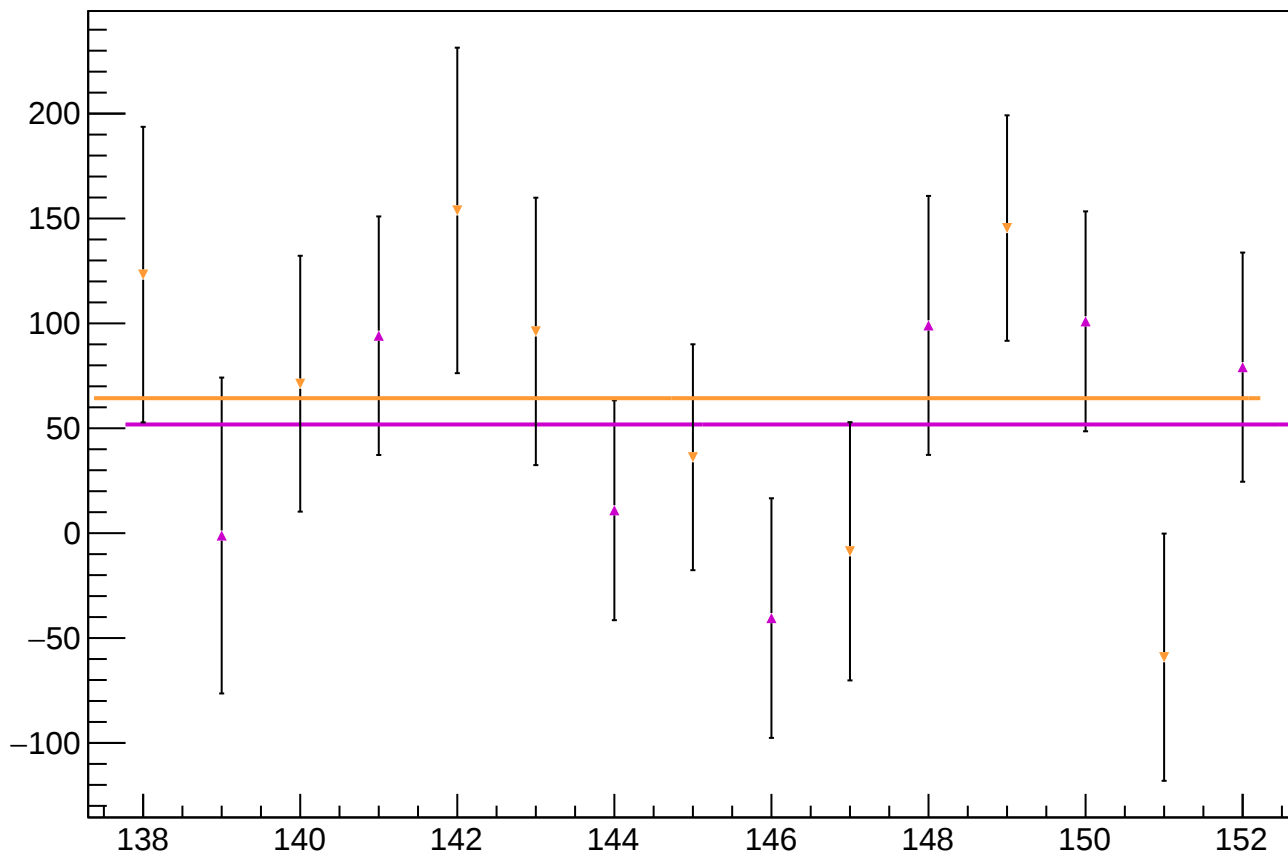
Left In: 805.117+/-0.243 χ^2/NDF : 370443.1/6

811.280+/-0.244 χ^2/NDF : 382661.2/7

808.181+/-0.172 χ^2/NDF : 753425.5/14

805.117+/-0.243 χ^2/NDF : 370443.1/6

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

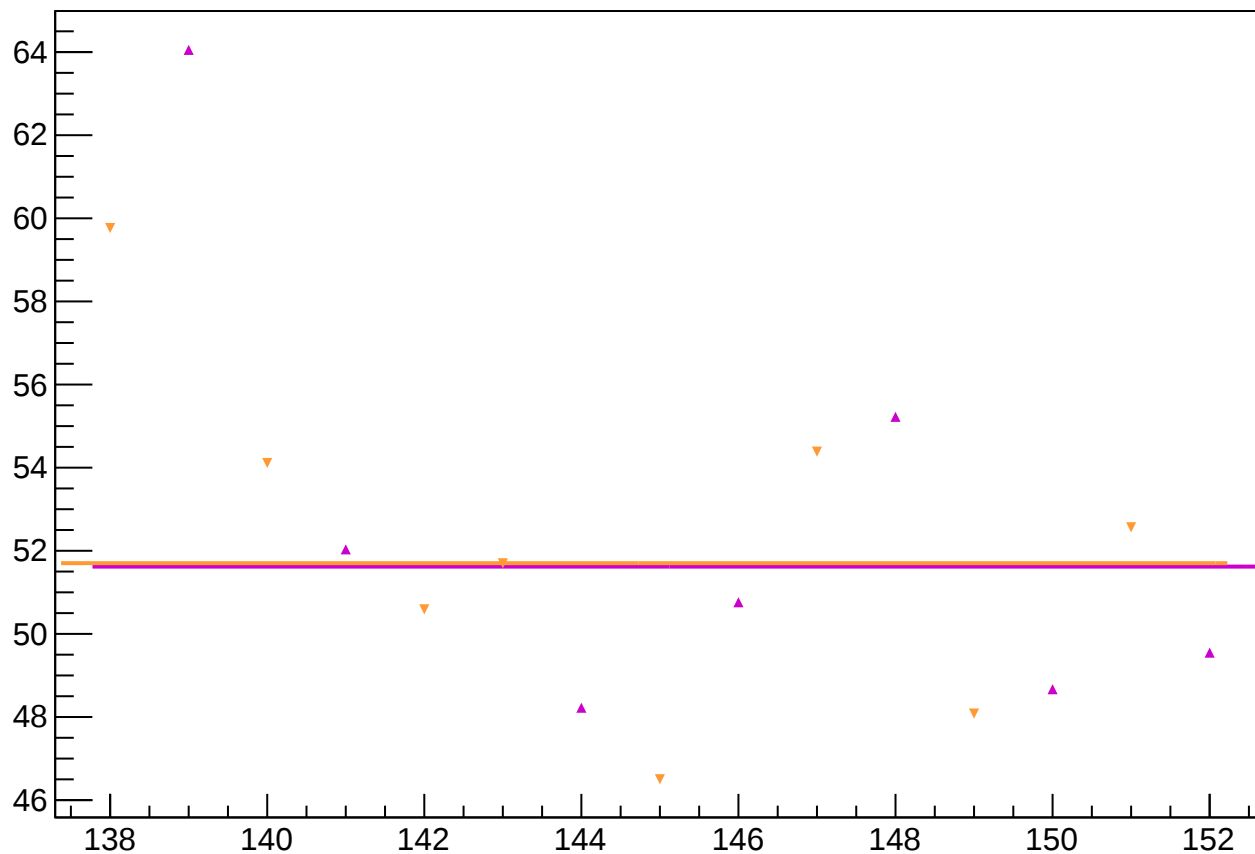
Left In: 51.814+/-21.730 χ^2/NDF : 6.0/6

64.333+/-21.689 χ^2/NDF : 10.6/7

58.085+/-15.351 χ^2/NDF : 16.8/14

51.814+/-21.730 χ^2/NDF : 6.0/6

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

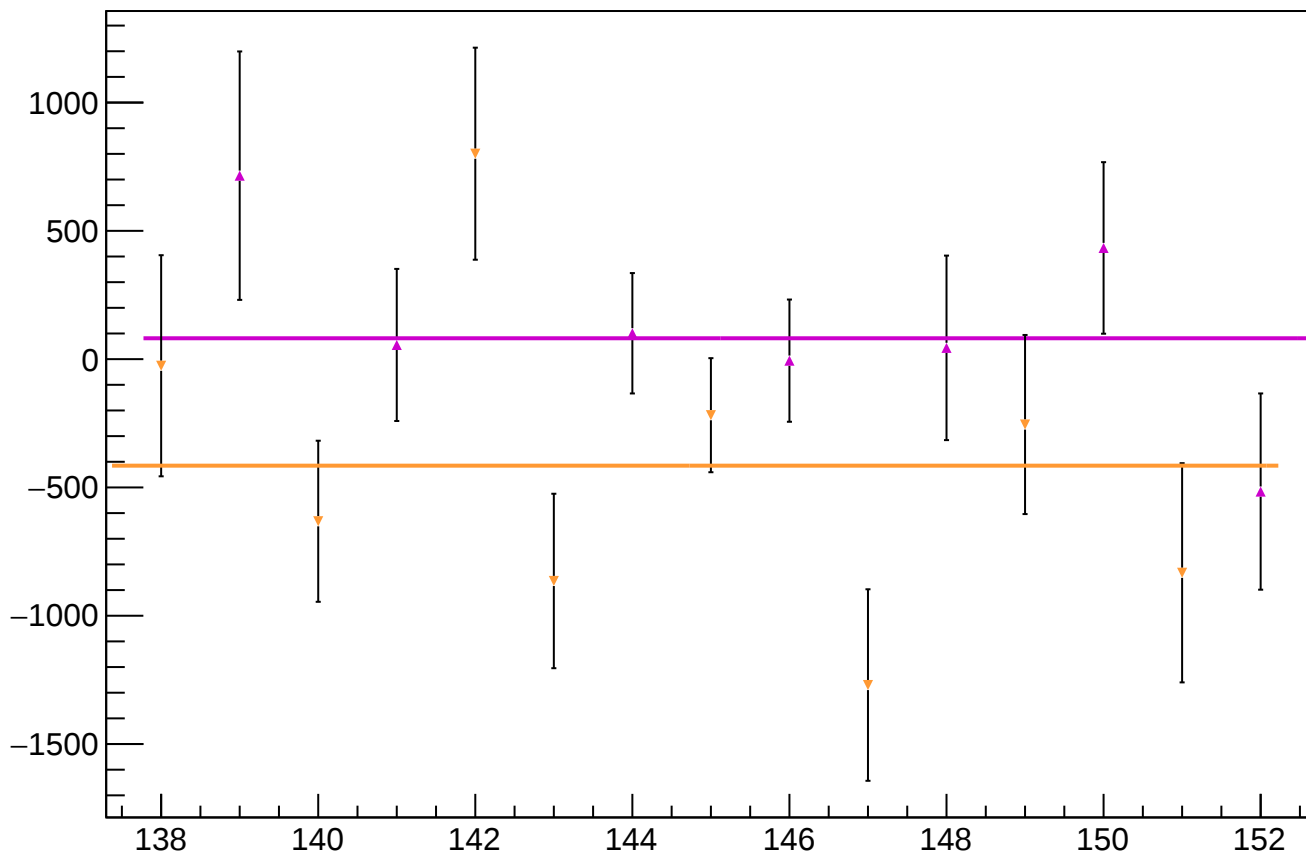
Left In: 51.620+/-0.015 χ^2/NDF : 79523.5/6

51.702+/-0.015 χ^2/NDF : 61698.9/7

51.661+/-0.011 χ^2/NDF : 141236.6/14

51.620+/-0.015 χ^2/NDF : 79523.5/6

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

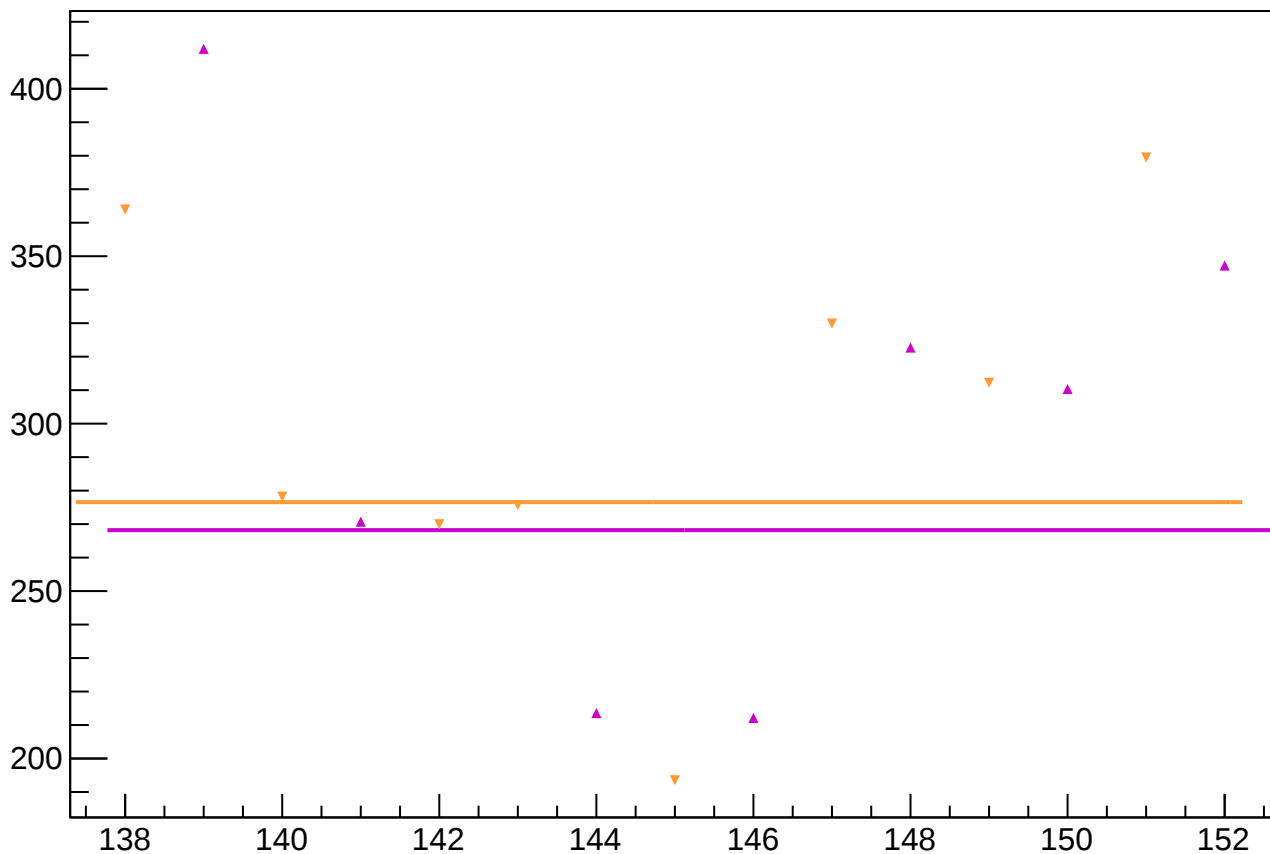
Left In: 81.375+/-115.490 χ^2/NDF : 5.4/6

-415.108+/-118.552 χ^2/NDF : 18.9/7

-160.372+/-82.725 χ^2/NDF : 33.3/14

81.375+/-115.490 χ^2/NDF : 5.4/6

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

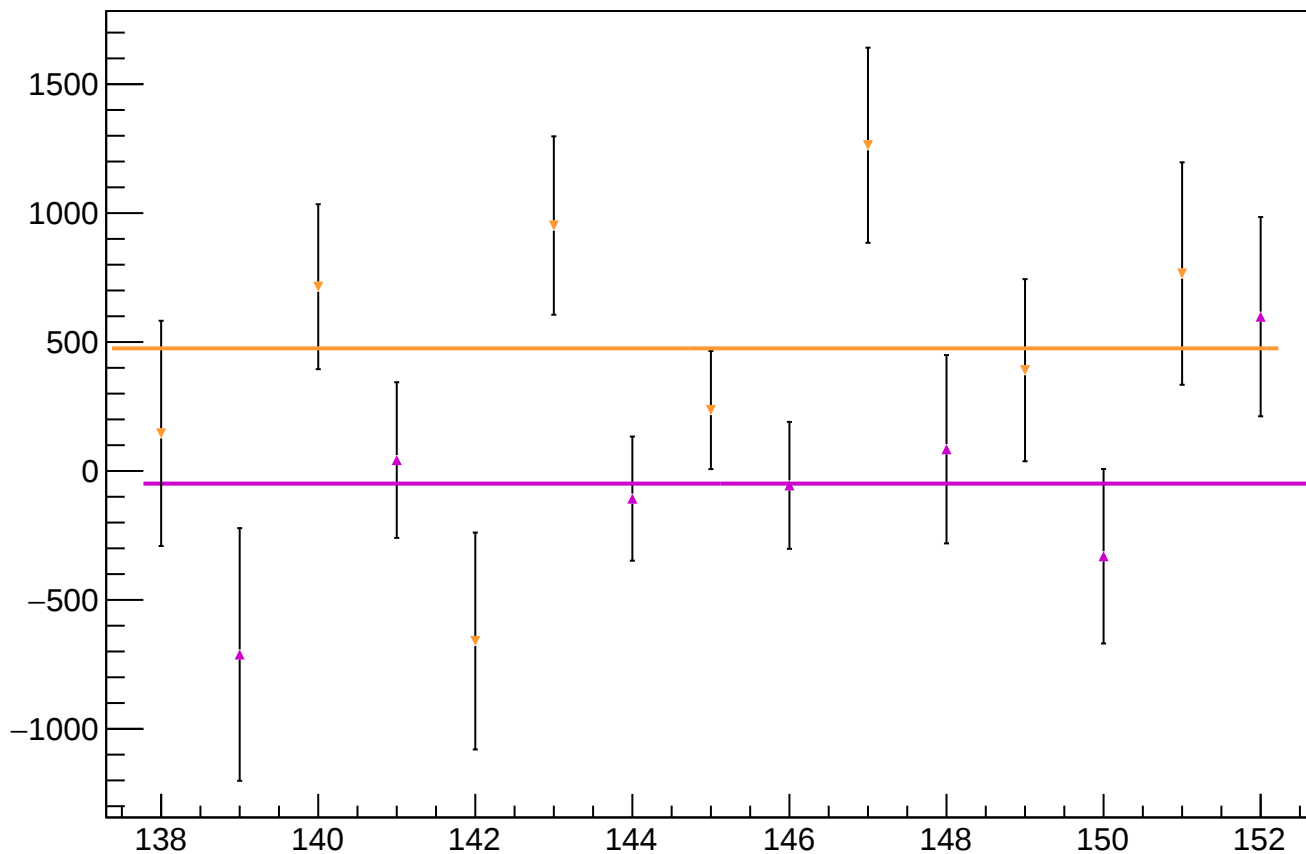
Left In: 268.199+/-0.082 χ^2/NDF : 558960.9/6

276.555+/-0.084 χ^2/NDF : 539856.3/7

272.268+/-0.058 χ^2/NDF : 1103915.4/14

268.199+/-0.082 χ^2/NDF : 558960.9/6

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

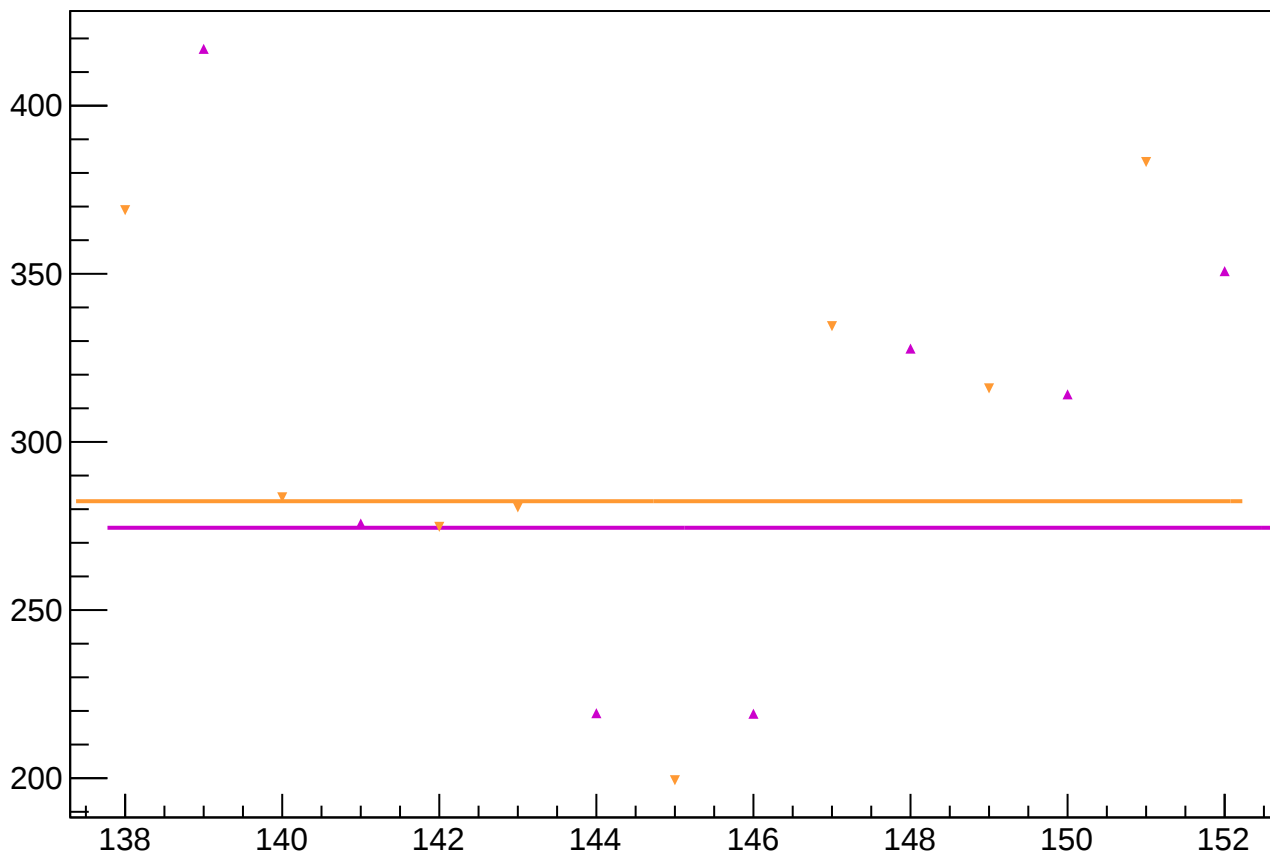
Left In: -48.956+/-117.976 χ^2/NDF : 5.6/6

475.484+/-120.858 χ^2/NDF : 16.2/7

206.936+/-84.422 χ^2/NDF : 31.5/14

-48.956+/-117.976 χ^2/NDF : 5.6/6

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

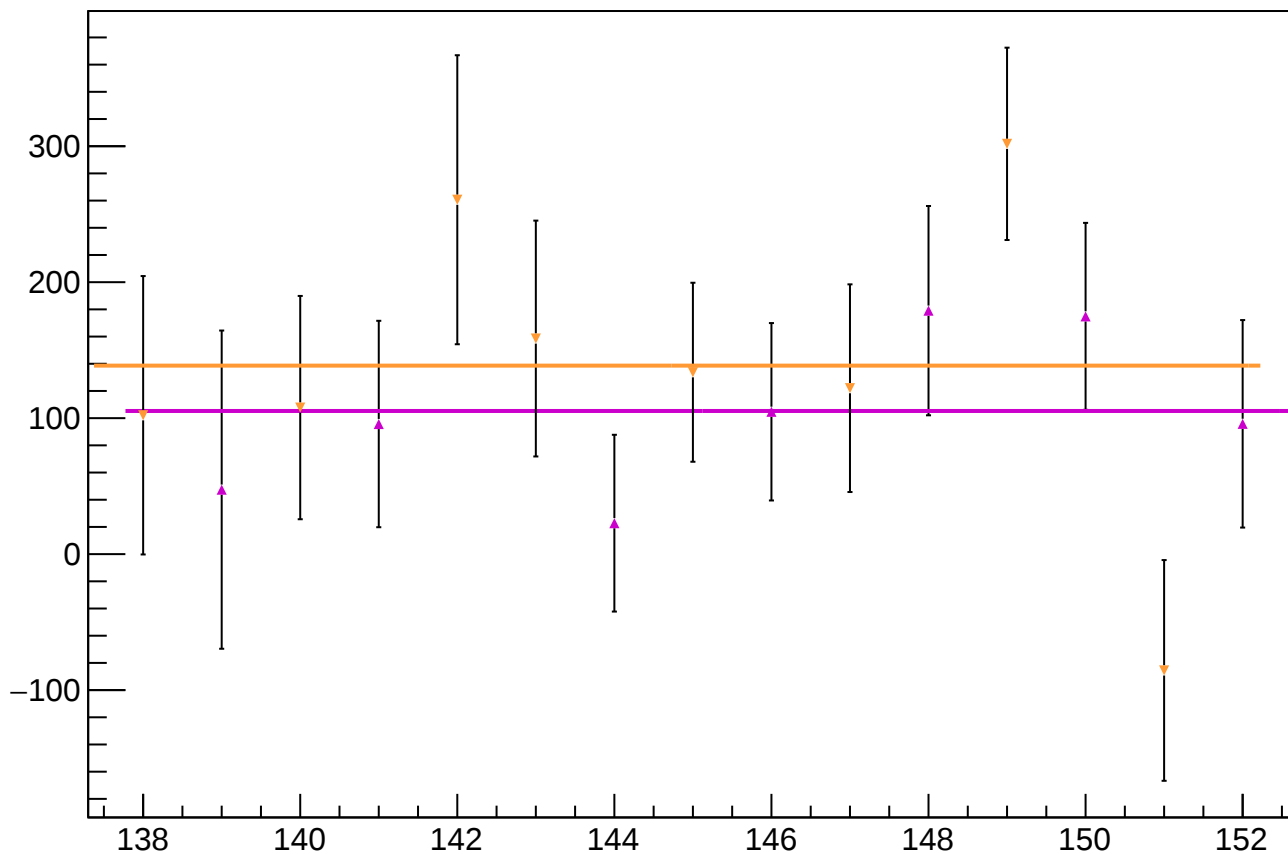
Left In: 274.474+/-0.083 χ^2/NDF : 523175.9/6

282.373+/-0.085 χ^2/NDF : 507038.7/7

278.328+/-0.060 χ^2/NDF : 1034589.8/14

274.474+/-0.083 χ^2/NDF : 523175.9/6

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

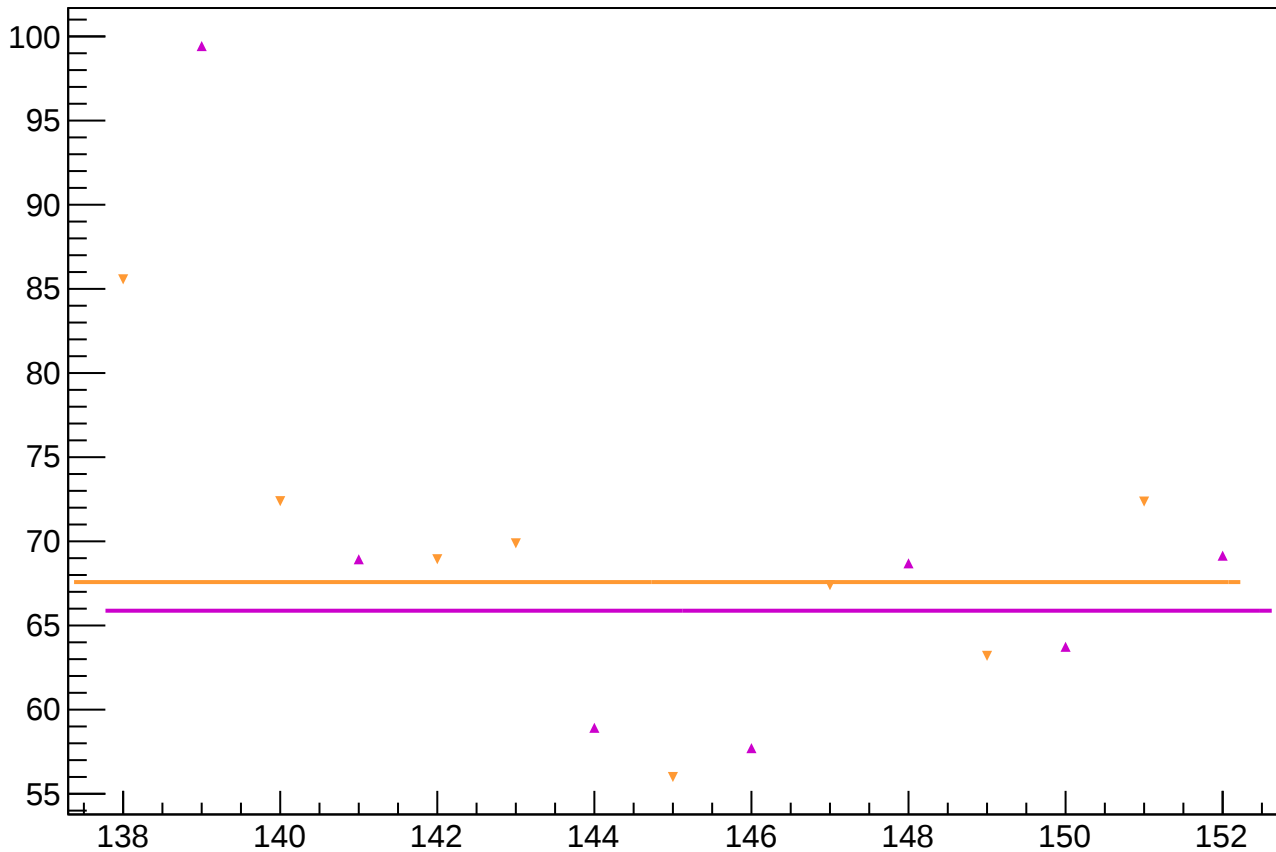
Left In: 105.279+/-28.057 χ^2/NDF : 3.8/6

138.637+/-28.640 χ^2/NDF : 14.6/7

121.615+/-20.042 χ^2/NDF : 19.2/14

105.279+/-28.057 χ^2/NDF : 3.8/6

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

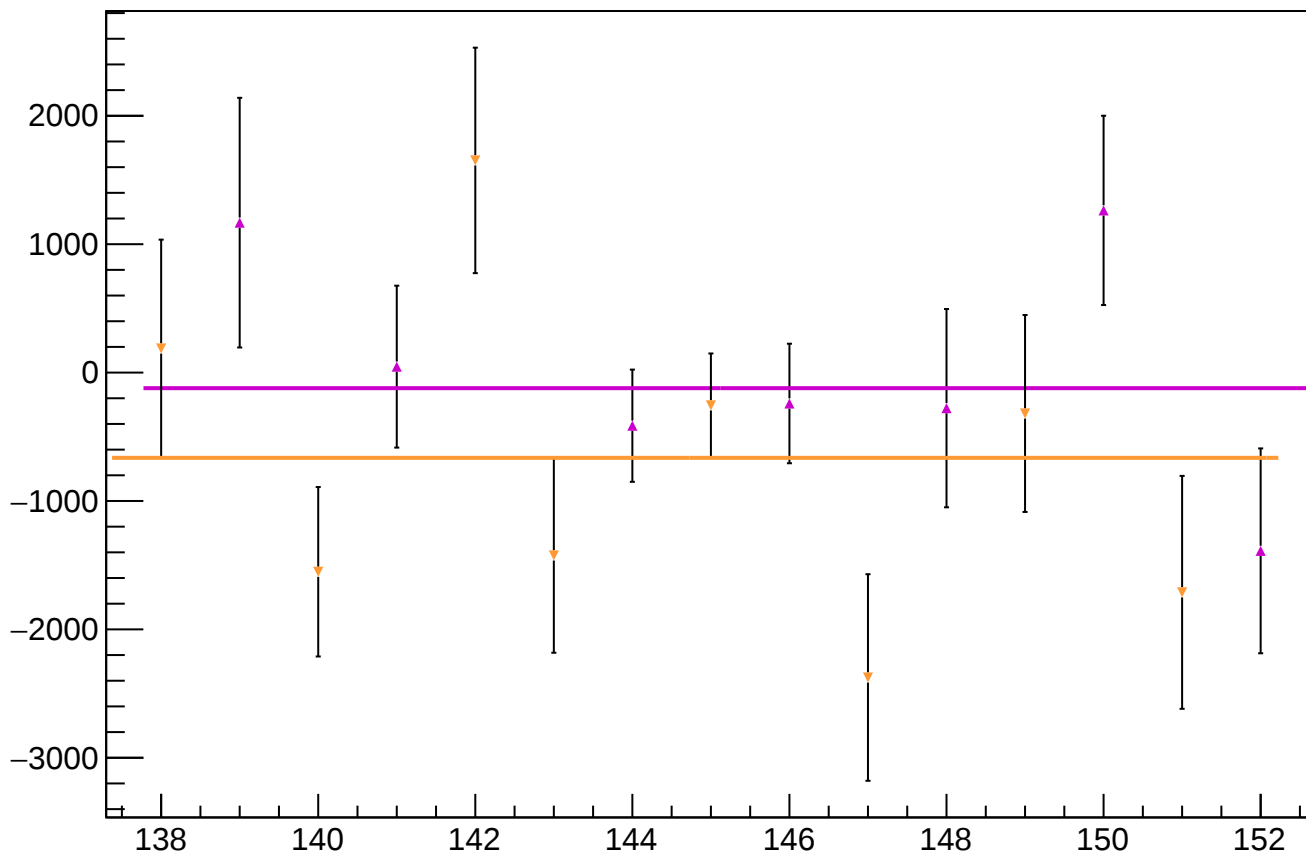
Left In: 65.878+/-0.020 χ^2/NDF :230157.8/6

67.579+/-0.020 χ^2/NDF : 146891.5/7

66.711+/-0.014 χ^2/NDF : 380650.4/14

65.878+/-0.020 χ^2/NDF : 230157.8/6

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

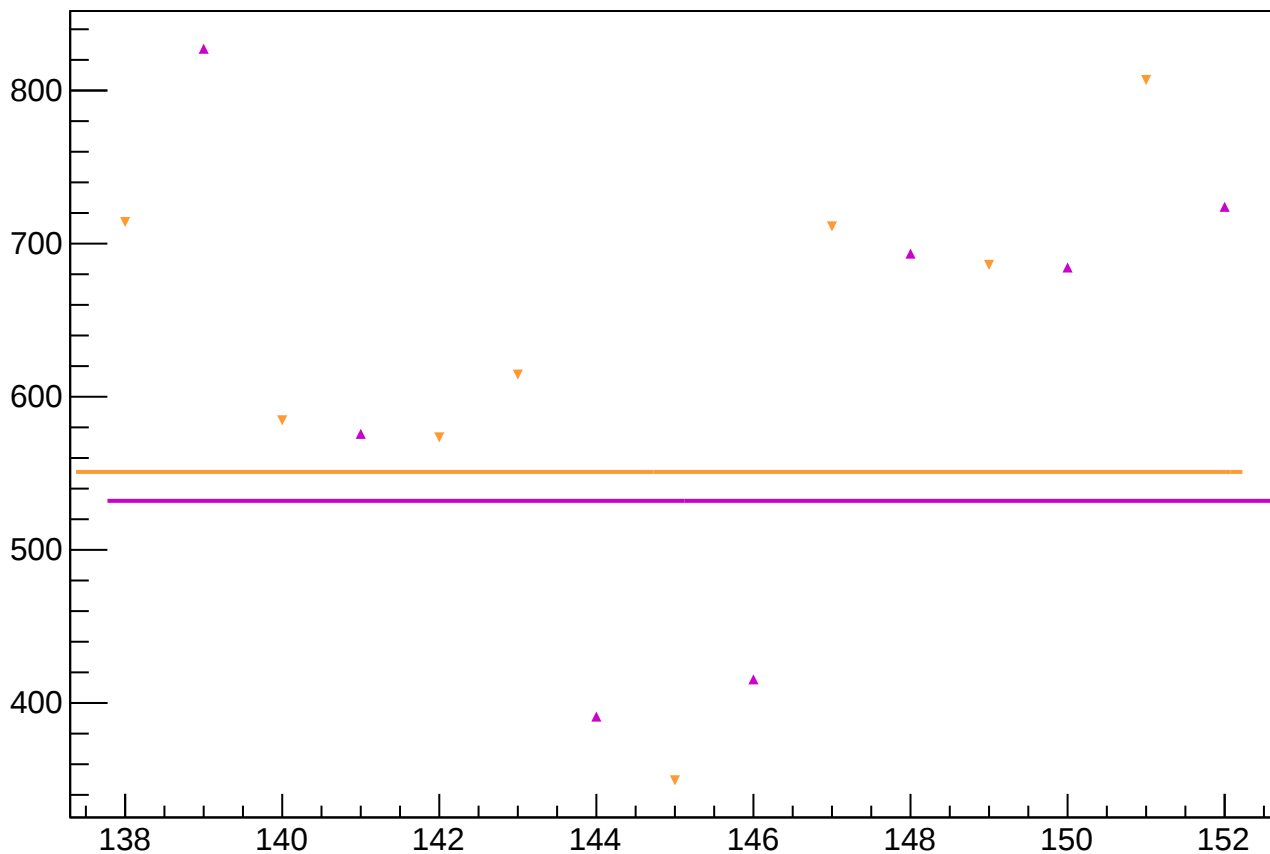
Left In: -121.346+/-232.421 χ^2/NDF : 8.4/6

-663.935+/-240.375 χ^2/NDF : 17.9/7

-383.516+/-167.088 χ^2/NDF : 28.9/14

-121.346+/-232.421 χ^2/NDF : 8.4/6

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

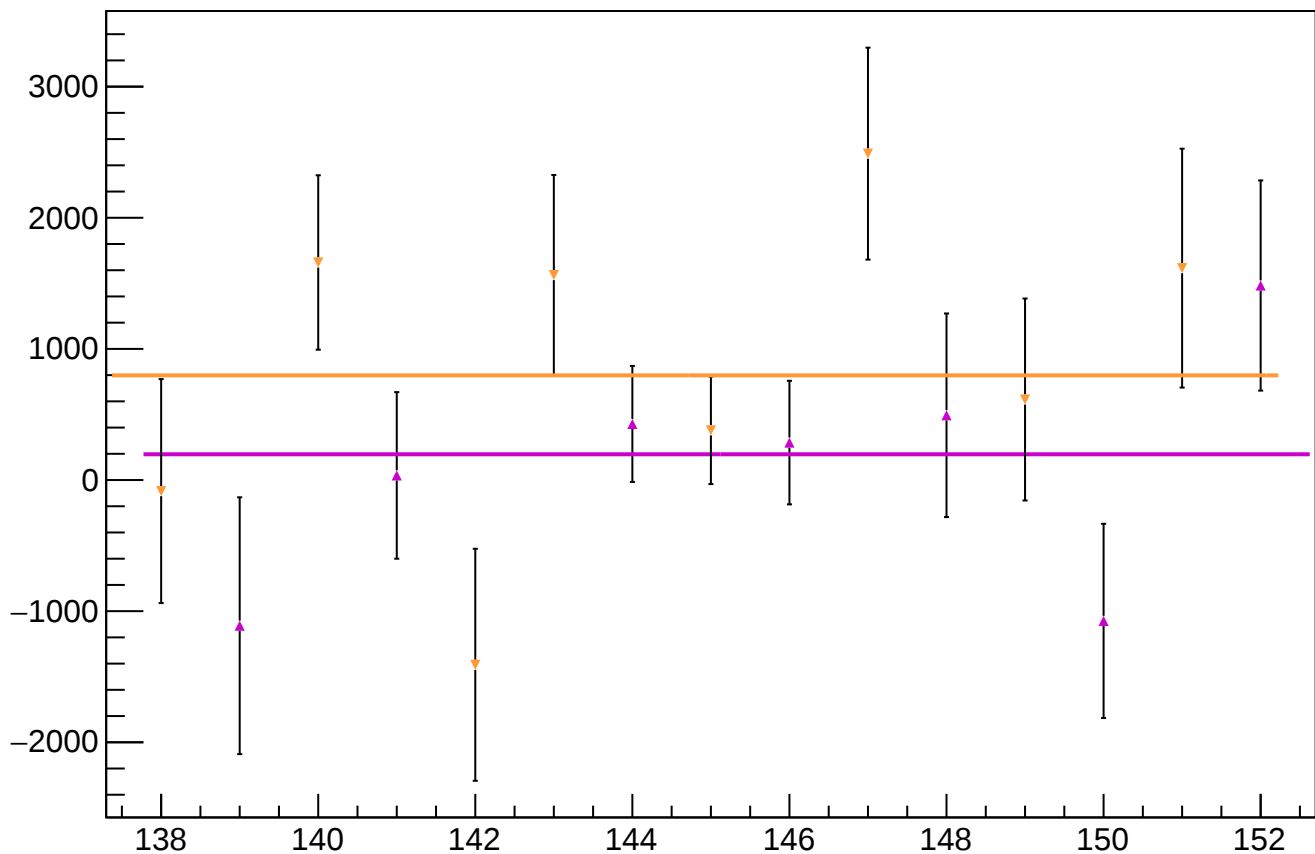
Left In: 532.015+/-0.164 χ^2/NDF : 816148.1/6

550.903+/-0.170 χ^2/NDF : 892268.0/7

541.142+/-0.118 χ^2/NDF : 1714798.3/14

532.015+/-0.164 χ^2/NDF : 816148.1/6

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

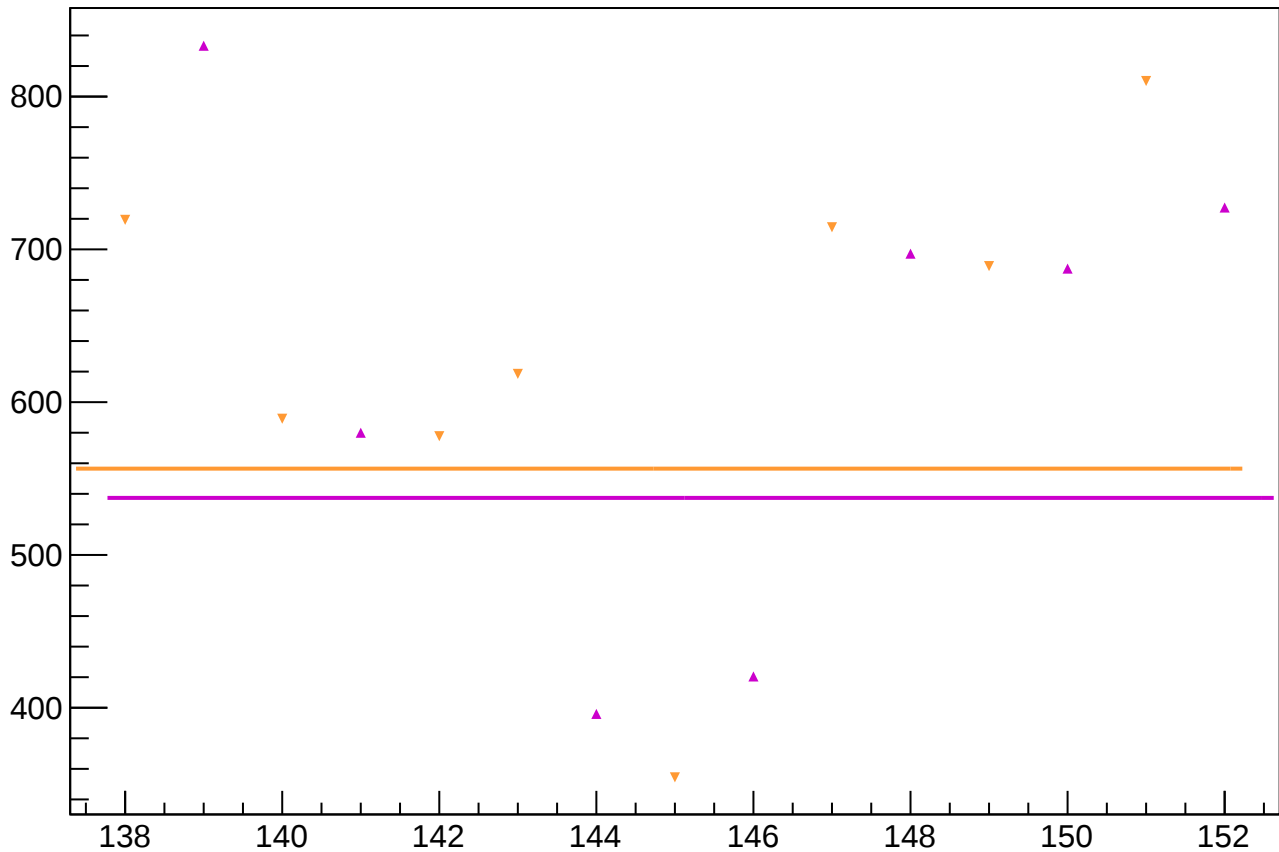
Left In: 196.378+/-234.539 χ^2/NDF : 7.8/6

798.244+/-242.553 χ^2/NDF : 16.3/7

487.205+/-168.606 χ^2/NDF : 27.3/14

196.378+/-234.539 χ^2/NDF : 7.8/6

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

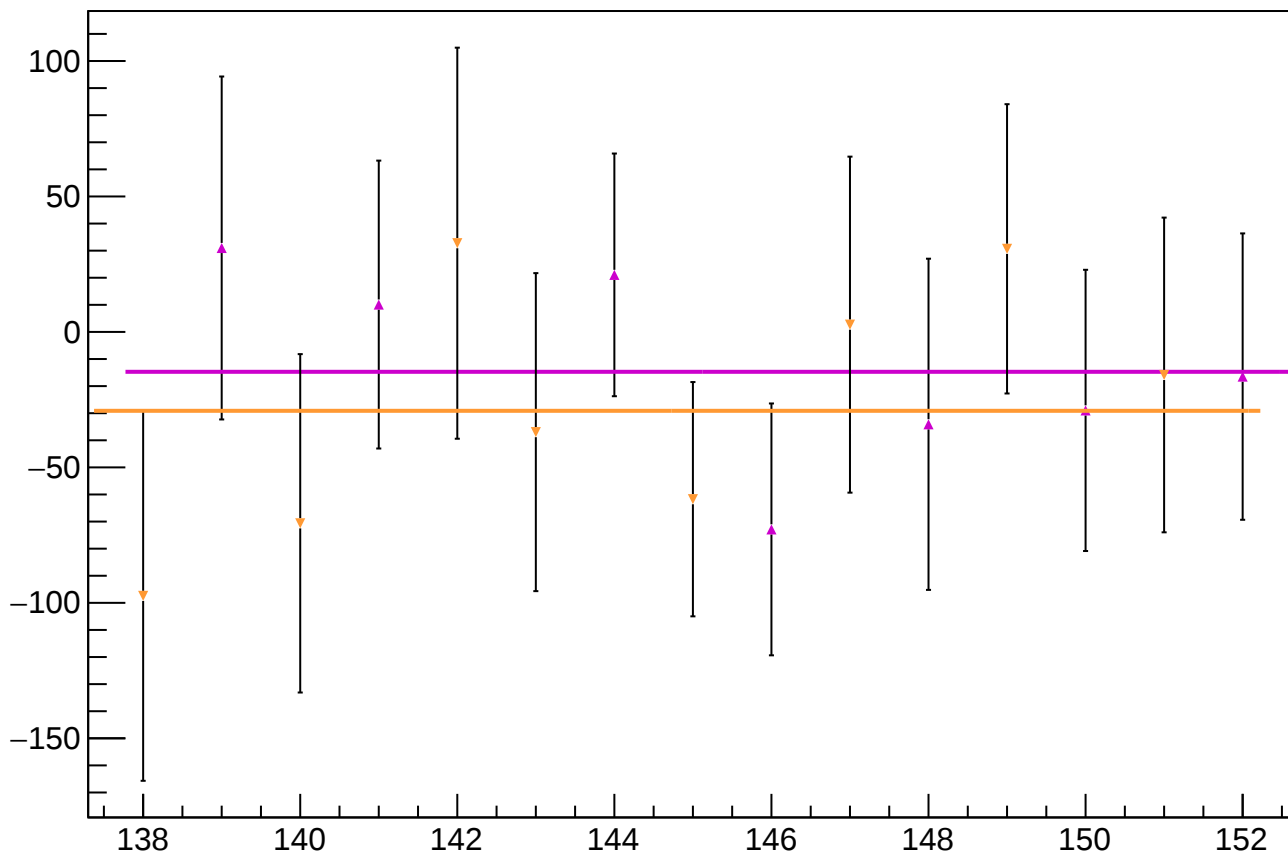
Left In: 537.344+/-0.166 χ^2/NDF : 798455.5/6

556.494+/-0.172 χ^2/NDF : 868361.3/7

546.597+/-0.119 χ^2/NDF : 1673259.7/14

537.344+/-0.166 χ^2/NDF : 798455.5/6

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

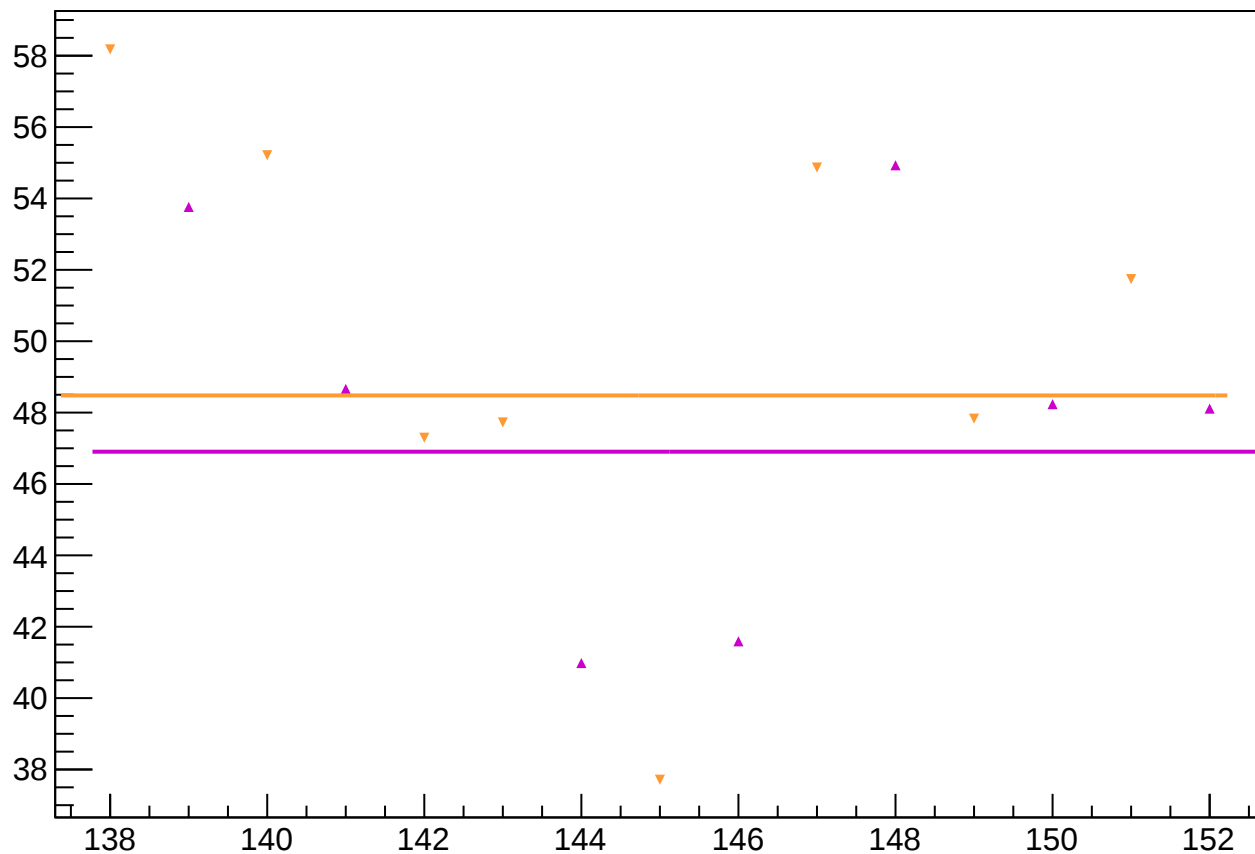
Left In: -14.719+/-19.756 χ^2/NDF : 3.1/6

-29.116+/-20.432 χ^2/NDF : 4.3/7

-21.676+/-14.203 χ^2/NDF : 7.7/14

-14.719+/-19.756 χ^2/NDF : 3.1/6

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 48.481 $\pm$ 0.014 χ^2/NDF :216269.5/7

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

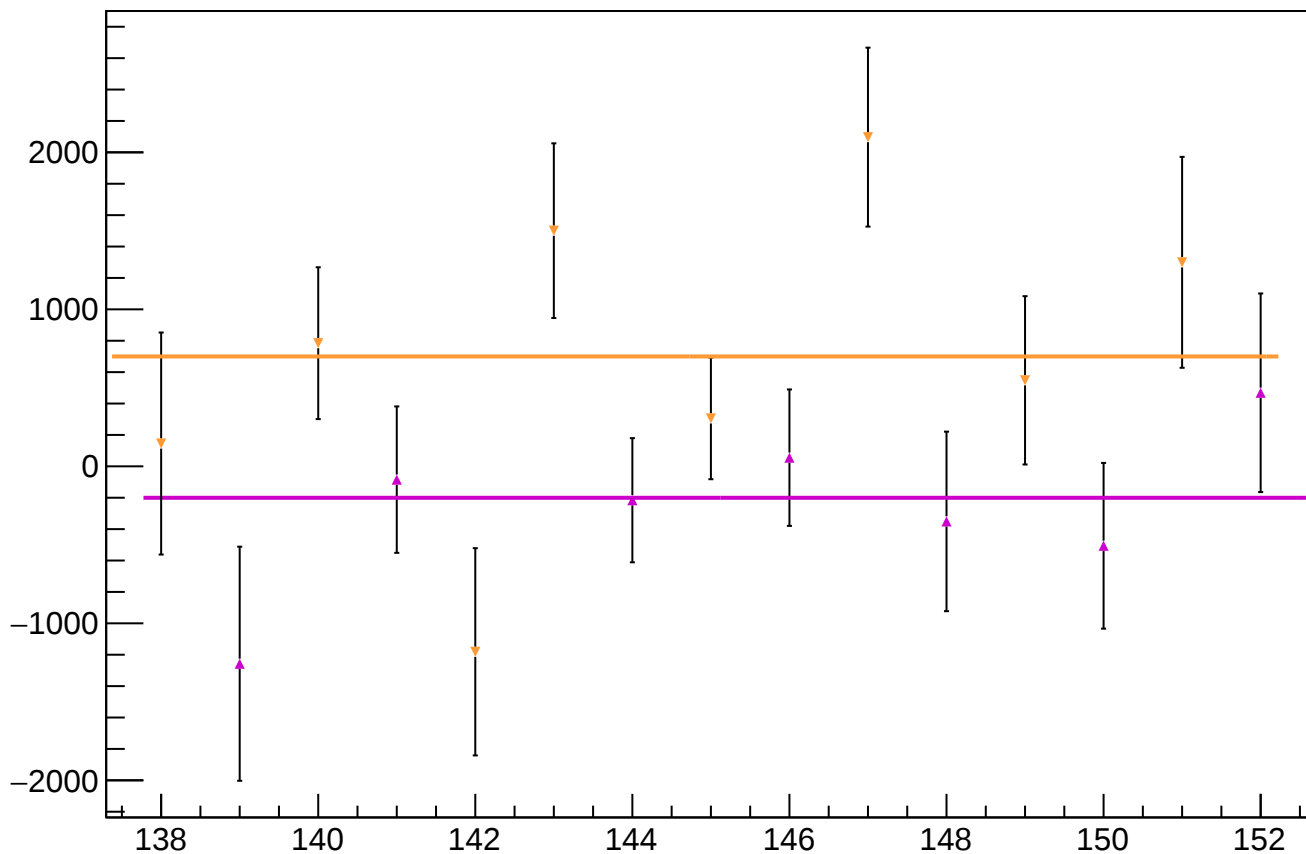
Left In: 46.904 $\pm$ 0.014 χ^2/NDF :123611.1/6

48.481 $\pm$ 0.014 χ^2/NDF : 216269.5/7

47.666 $\pm$ 0.010 χ^2/NDF : 346035.7/14

46.904 $\pm$ 0.014 χ^2/NDF : 123611.1/6

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

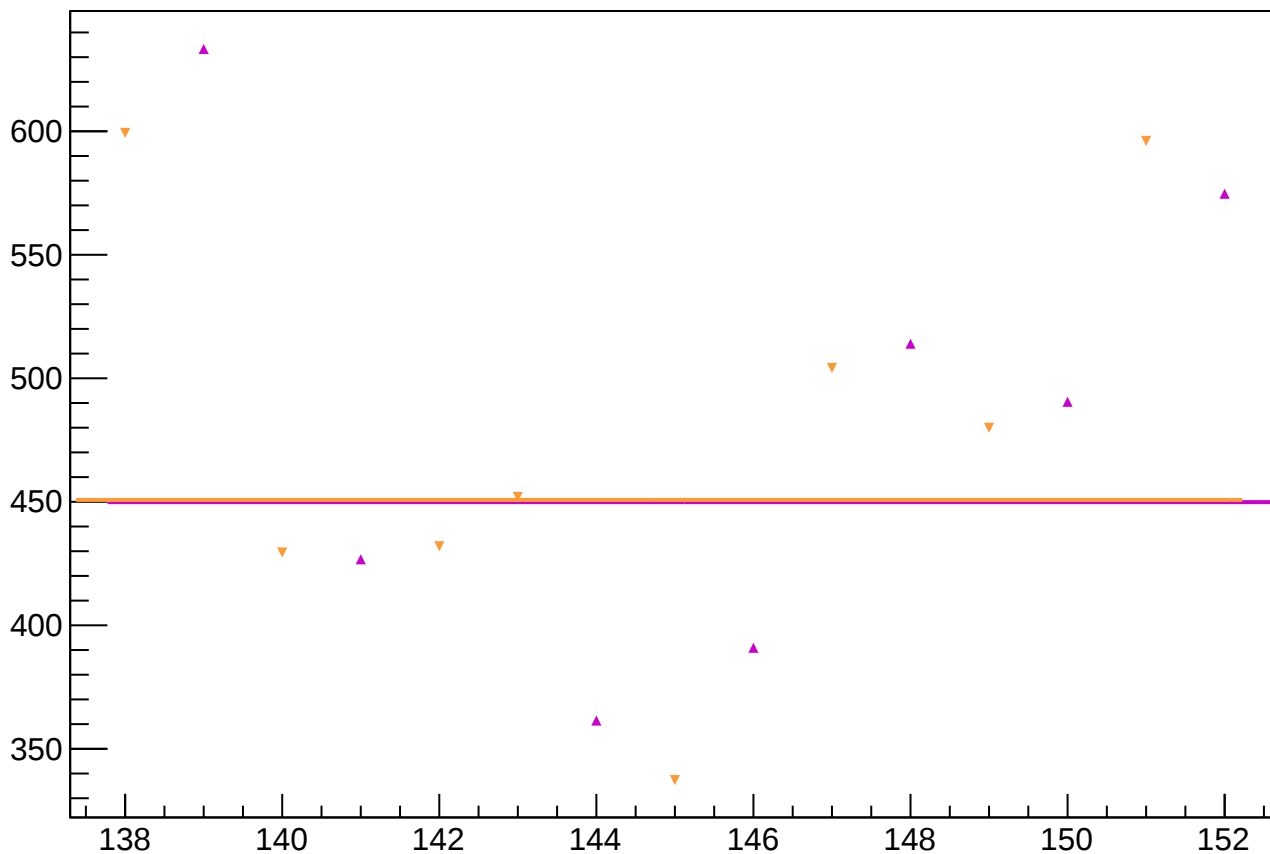
Left In: -200.397+/-191.630 χ^2/NDF : 3.9/6

699.760+/-191.605 χ^2/NDF : 18.8/7

249.741+/-135.494 χ^2/NDF : 33.7/14

-200.397+/-191.630 χ^2/NDF : 3.9/6

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

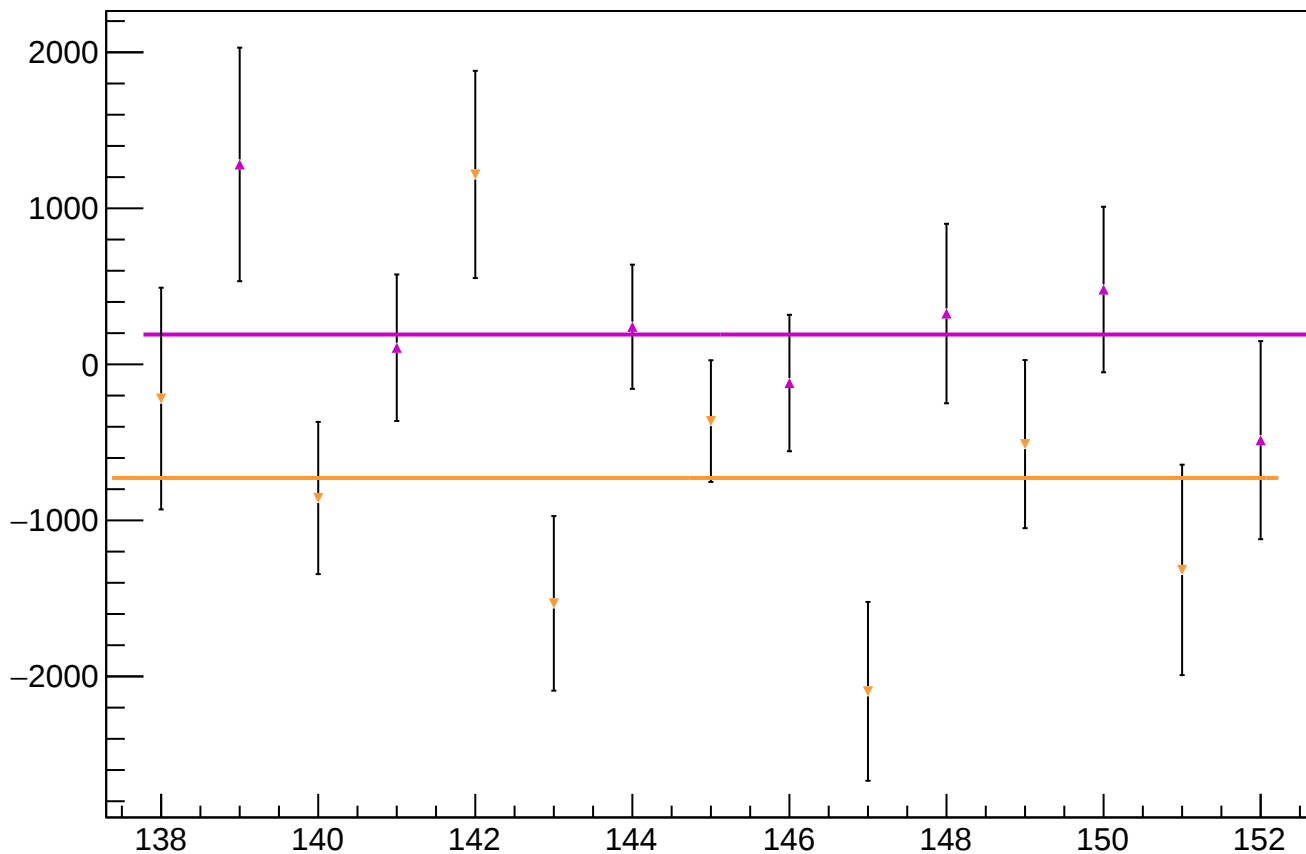
Left In: 449.873+/-0.136 χ^2/NDF : 377694.0/6

450.753+/-0.135 χ^2/NDF : 382350.8/7

450.313+/-0.096 χ^2/NDF : 760065.9/14

449.873+/-0.136 χ^2/NDF : 377694.0/6

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

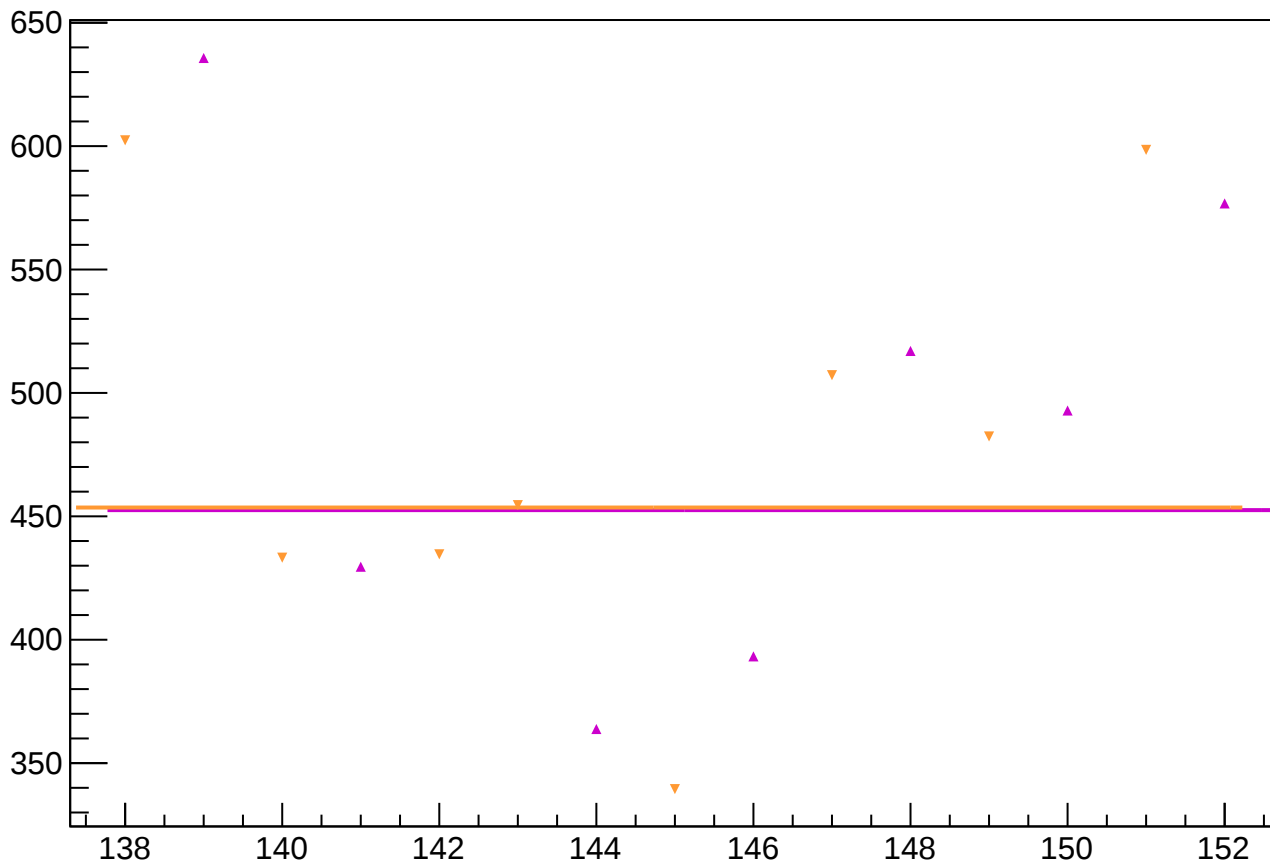
Left In: 191.252+/-192.719 χ^2/NDF : 4.2/6

-728.091+/-192.768 χ^2/NDF : 18.7/7

-268.304+/-136.290 χ^2/NDF : 34.3/14

191.252+/-192.719 χ^2/NDF : 4.2/6

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

453.566+/-0.136 χ^2/NDF : 379610.2/7

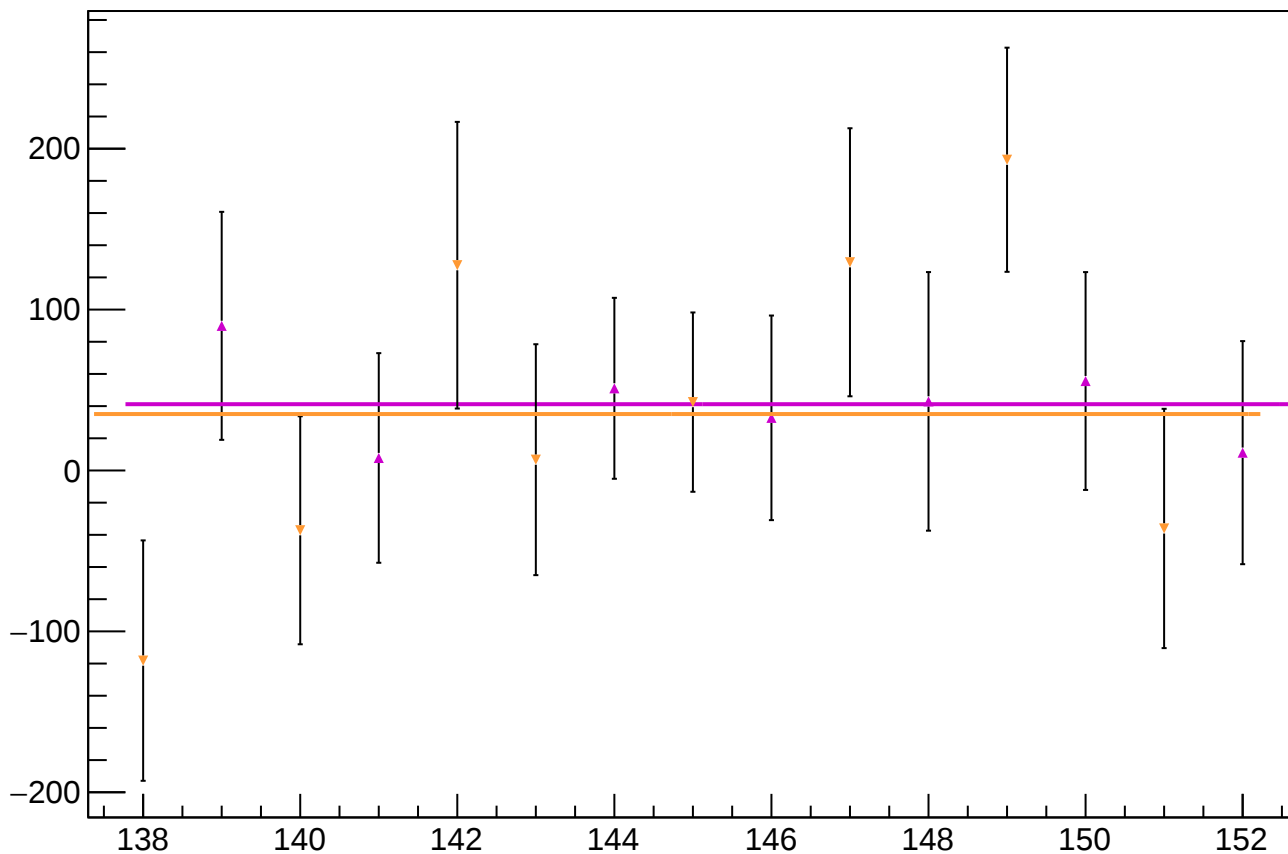
453.042+/-0.096 χ^2/NDF : 753638.6/14

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

452.518+/-0.136 χ^2/NDF : 373998.8/6

Left In: 452.518+/-0.136 χ^2/NDF : 373998.8/6

reg_asym_sam_37_48_dd_mean vs Slug, 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

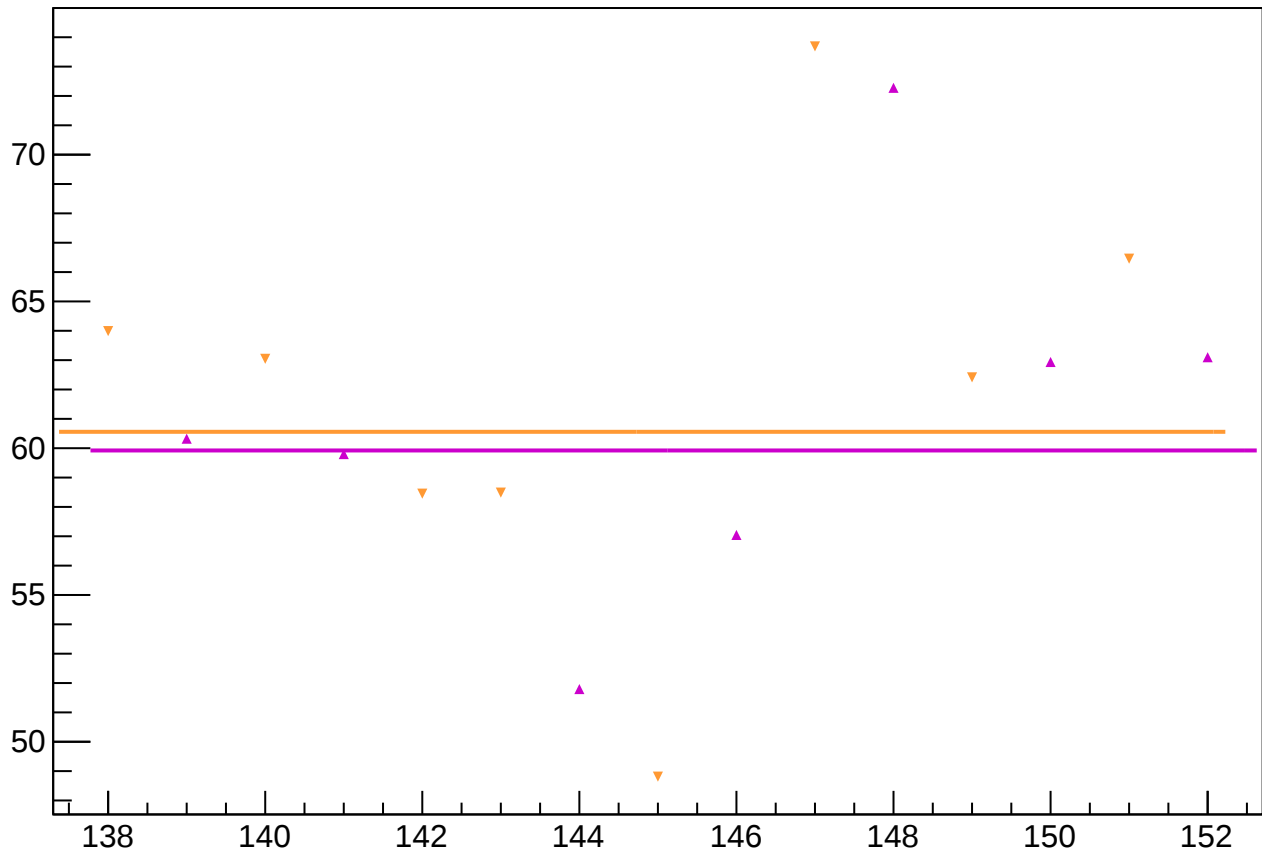
Left In: 41.197+/-25.161 χ^2/NDF :1.0/6

35.075+/-25.387 χ^2/NDF : 13.8/7

38.163+/-17.871 χ^2/NDF : 14.9/14

41.197+/-25.161 χ^2/NDF : 1.0/6

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

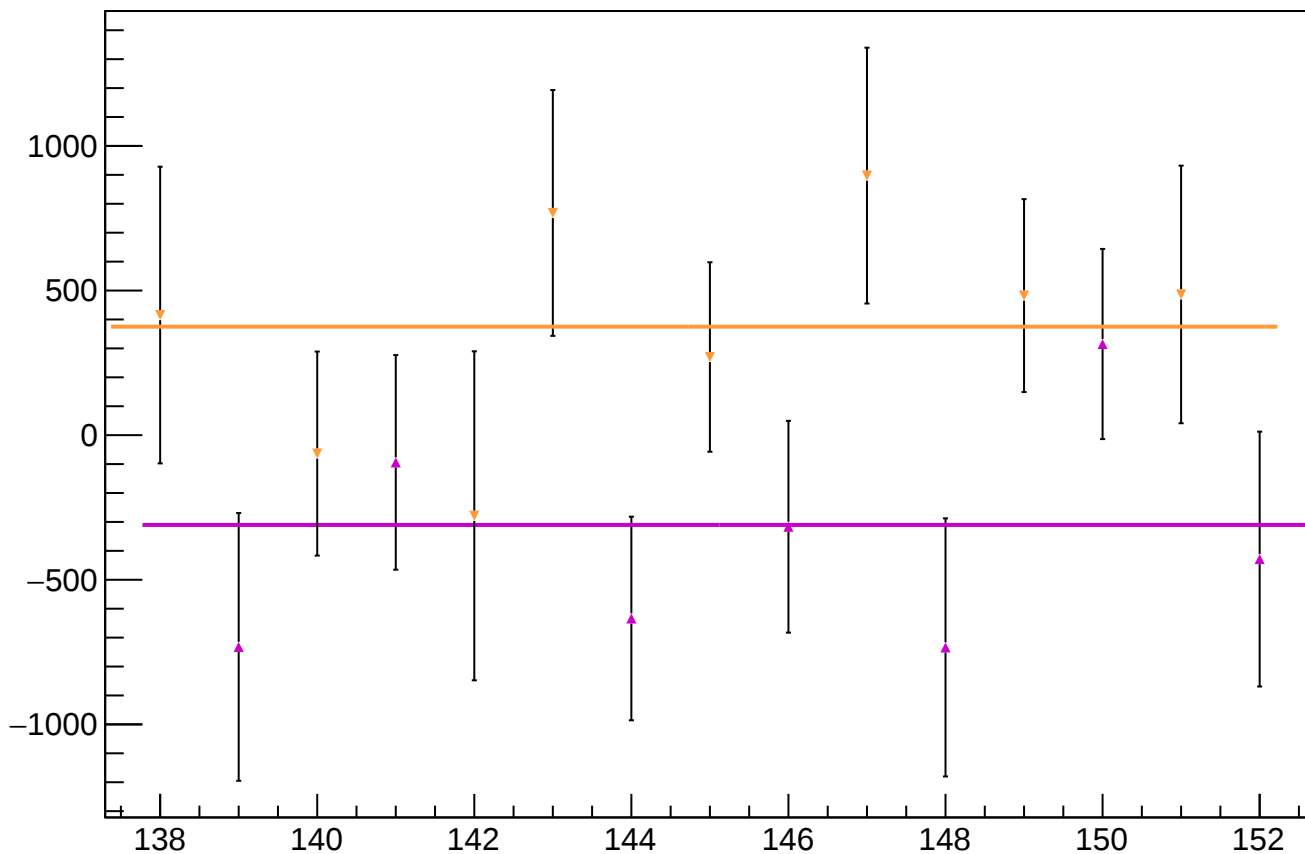
Left In: 59.923+/-0.018 χ^2/NDF : 101382.9/6

60.559+/-0.018 χ^2/NDF : 162029.6/7

60.238+/-0.013 χ^2/NDF : 264045.3/14

59.923+/-0.018 χ^2/NDF : 101382.9/6

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

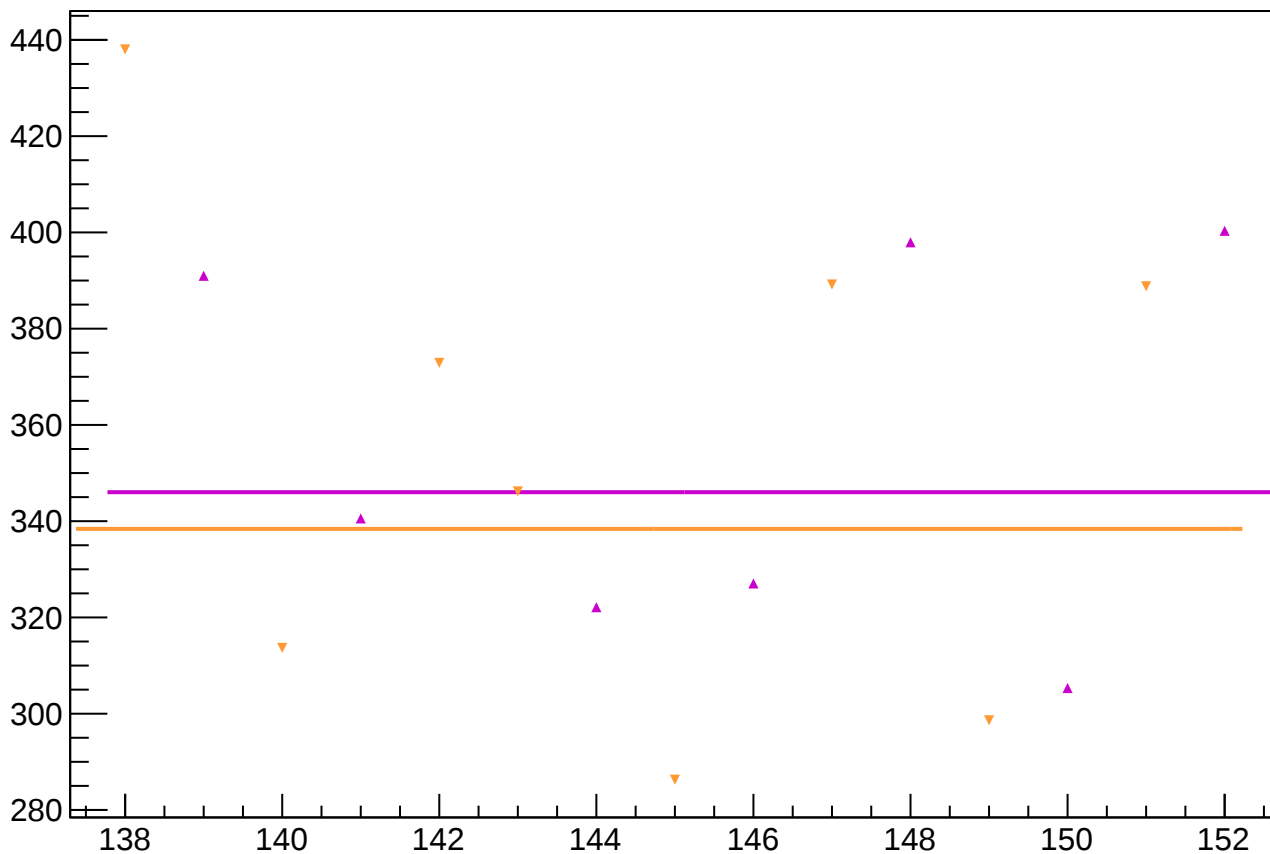
Left In: -310.411+/-146.037 χ^2/NDF : 6.6/6

375.174+/-142.951 χ^2/NDF : 5.4/7

39.702+/-102.155 χ^2/NDF : 23.3/14

-310.411+/-146.037 χ^2/NDF : 6.6/6

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

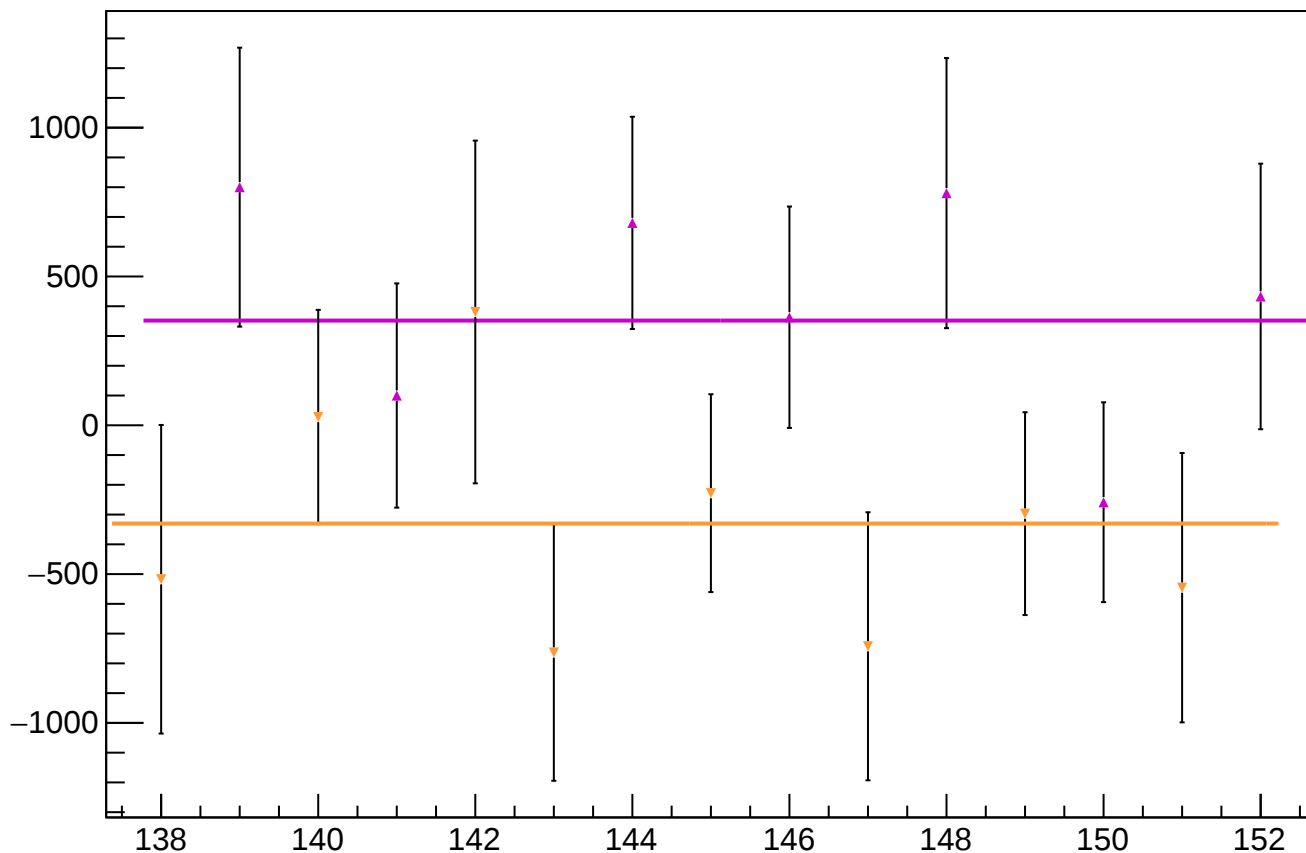
Left In: 346.024+/-0.103 χ^2/NDF : 121998.2/6

338.404+/-0.101 χ^2/NDF : 224365.1/7

342.133+/-0.072 χ^2/NDF : 349144.0/14

346.024+/-0.103 χ^2/NDF : 121998.2/6

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

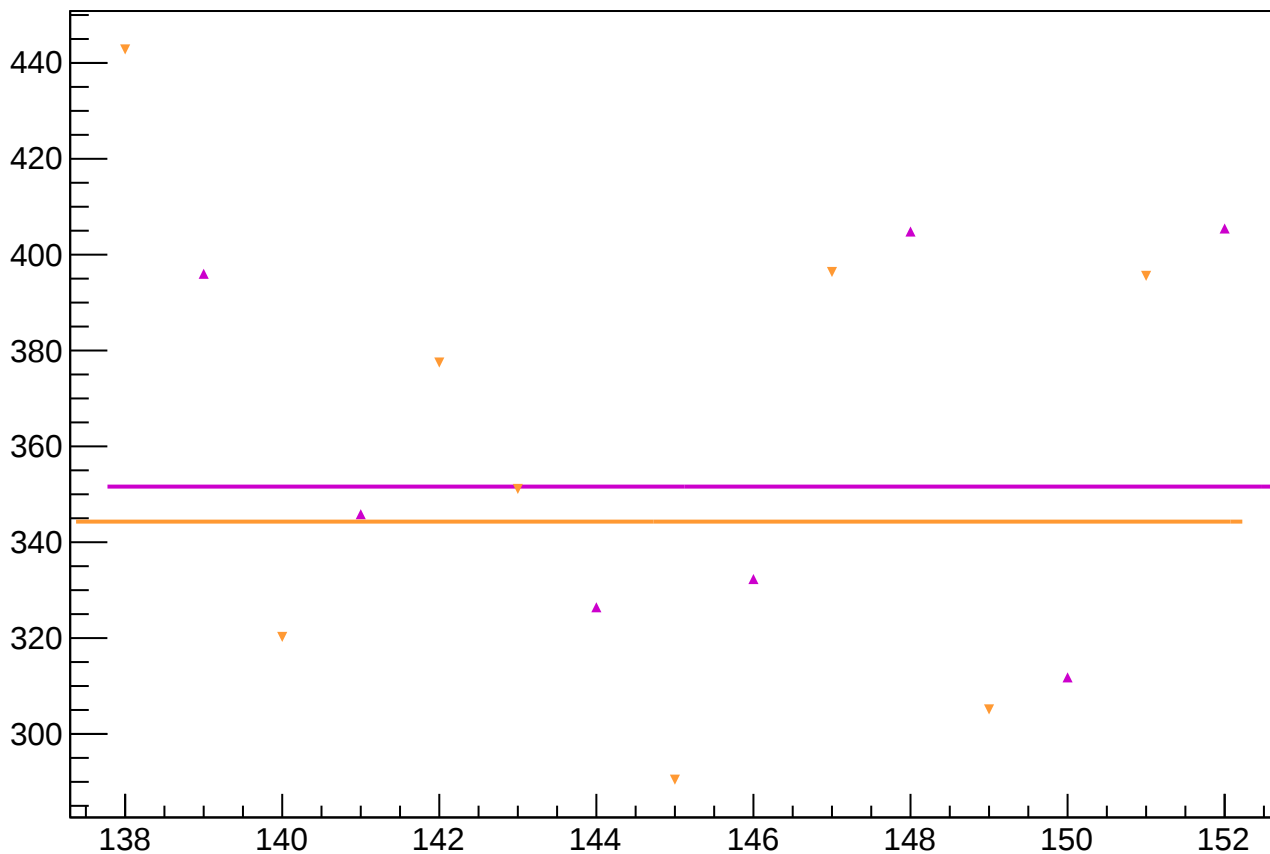
Left In: 351.830+/-148.336 χ^2/NDF : 6.4/6

-330.166+/-145.369 χ^2/NDF : 4.8/7

3.942+/-103.825 χ^2/NDF : 22.0/14

351.830+/-148.336 χ^2/NDF : 6.4/6

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

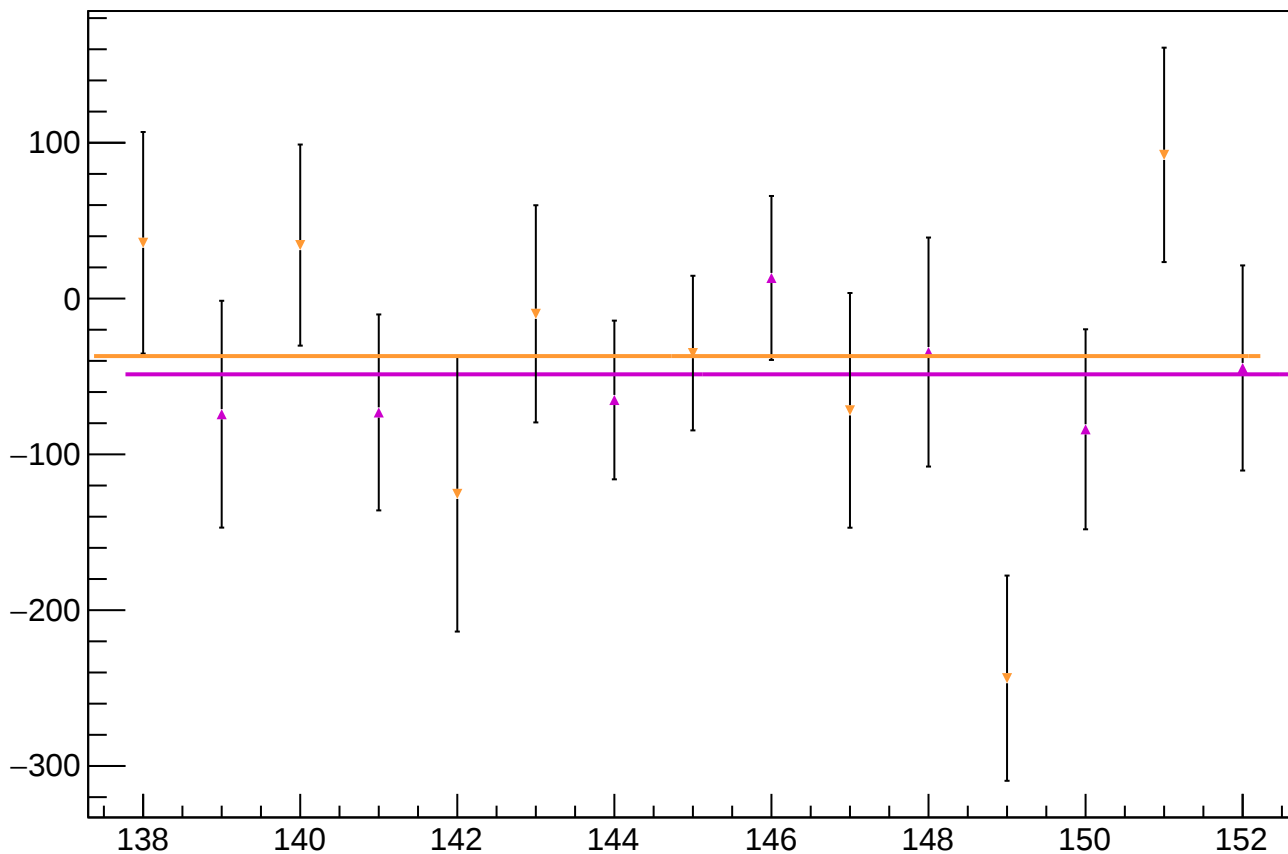
Left In: 351.607+/-0.105 χ^2/NDF : 118549.3/6

344.302+/-0.103 χ^2/NDF : 219697.6/7

347.881+/-0.073 χ^2/NDF : 340721.4/14

351.607+/-0.105 χ^2/NDF : 118549.3/6

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

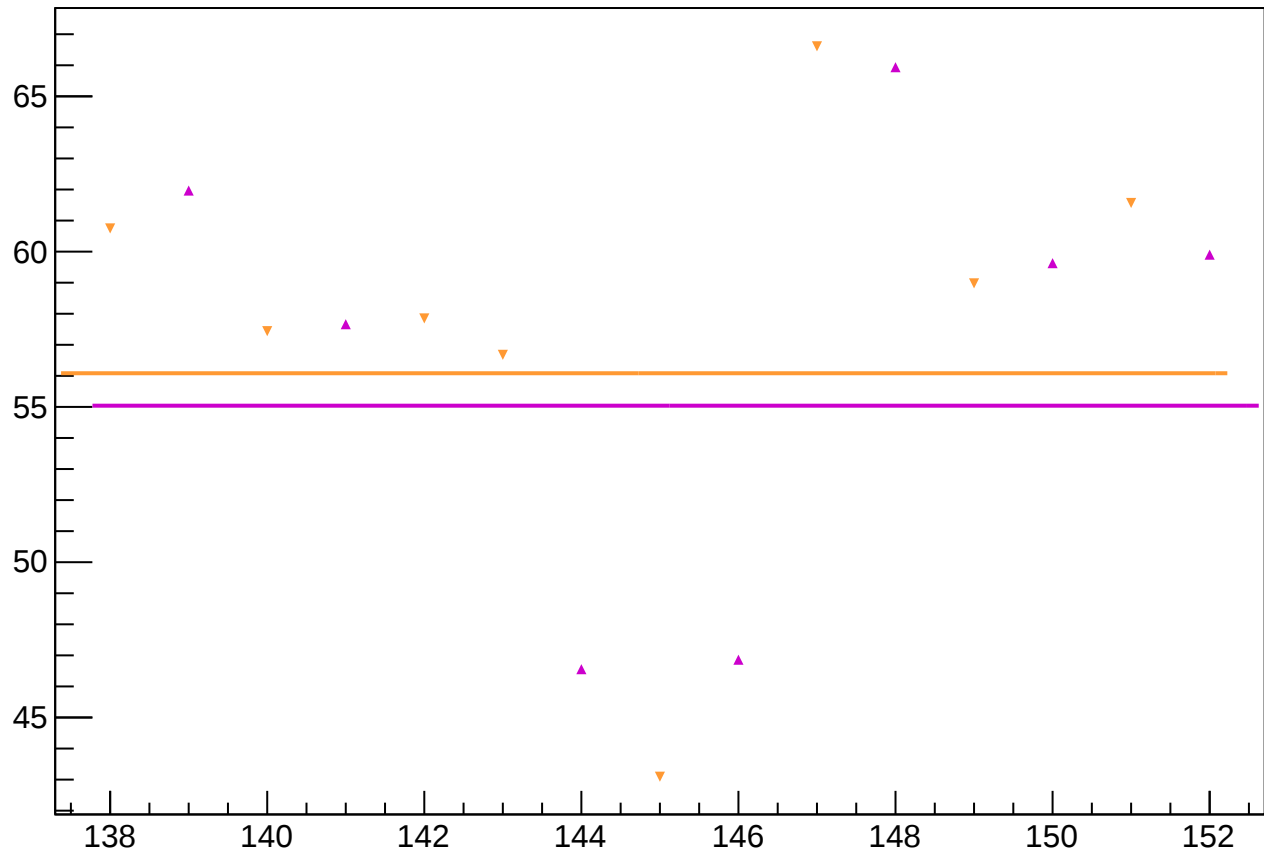
Left In: -48.627+/-23.269 χ^2/NDF : 2.1/6

-36.917+/-23.596 χ^2/NDF : 17.0/7

-42.854+/-16.568 χ^2/NDF : 19.2/14

-48.627+/-23.269 χ^2/NDF : 2.1/6

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

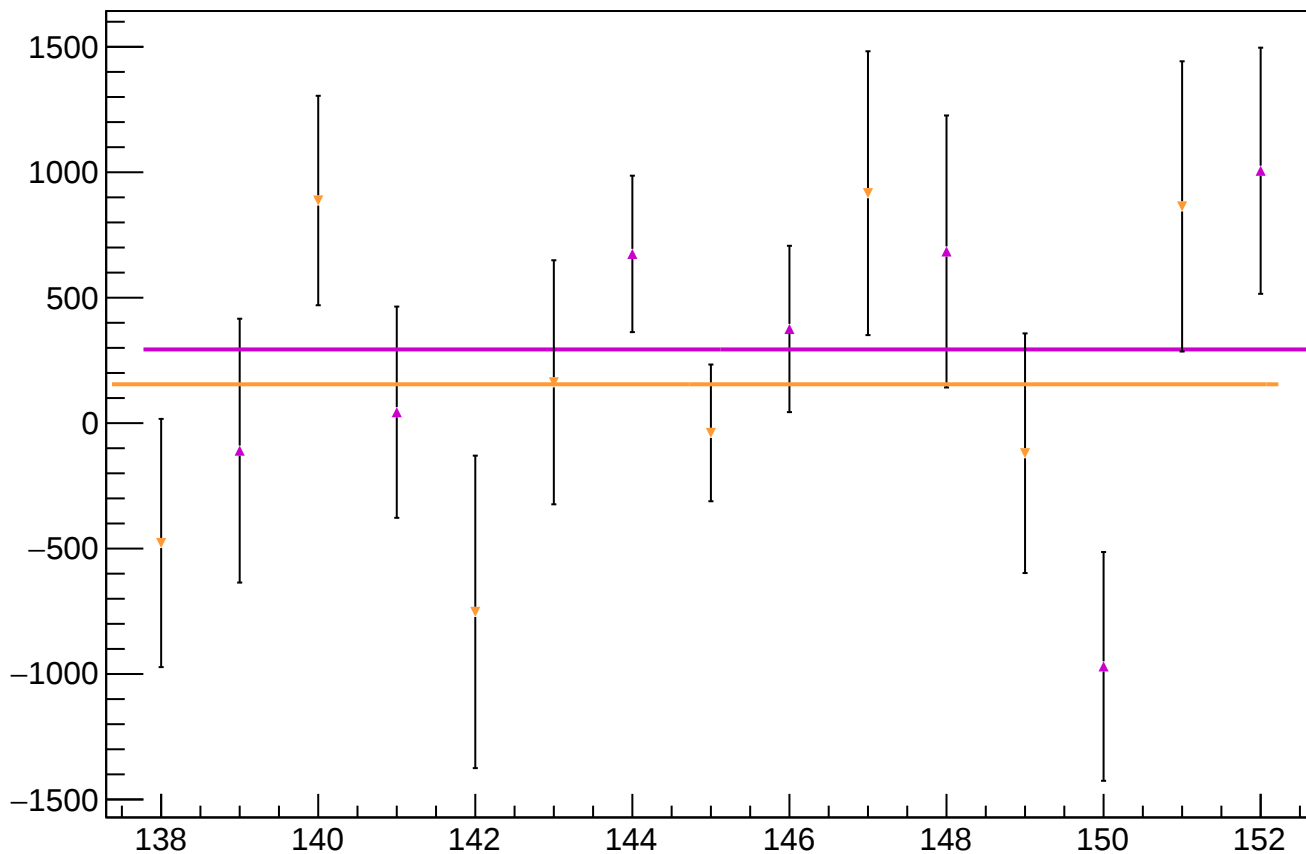
Left In: 55.040+/-0.016 χ^2/NDF : 190525.0/6

56.084+/-0.017 χ^2/NDF : 203141.4/7

55.555+/-0.012 χ^2/NDF : 395653.9/14

55.040+/-0.016 χ^2/NDF : 190525.0/6

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

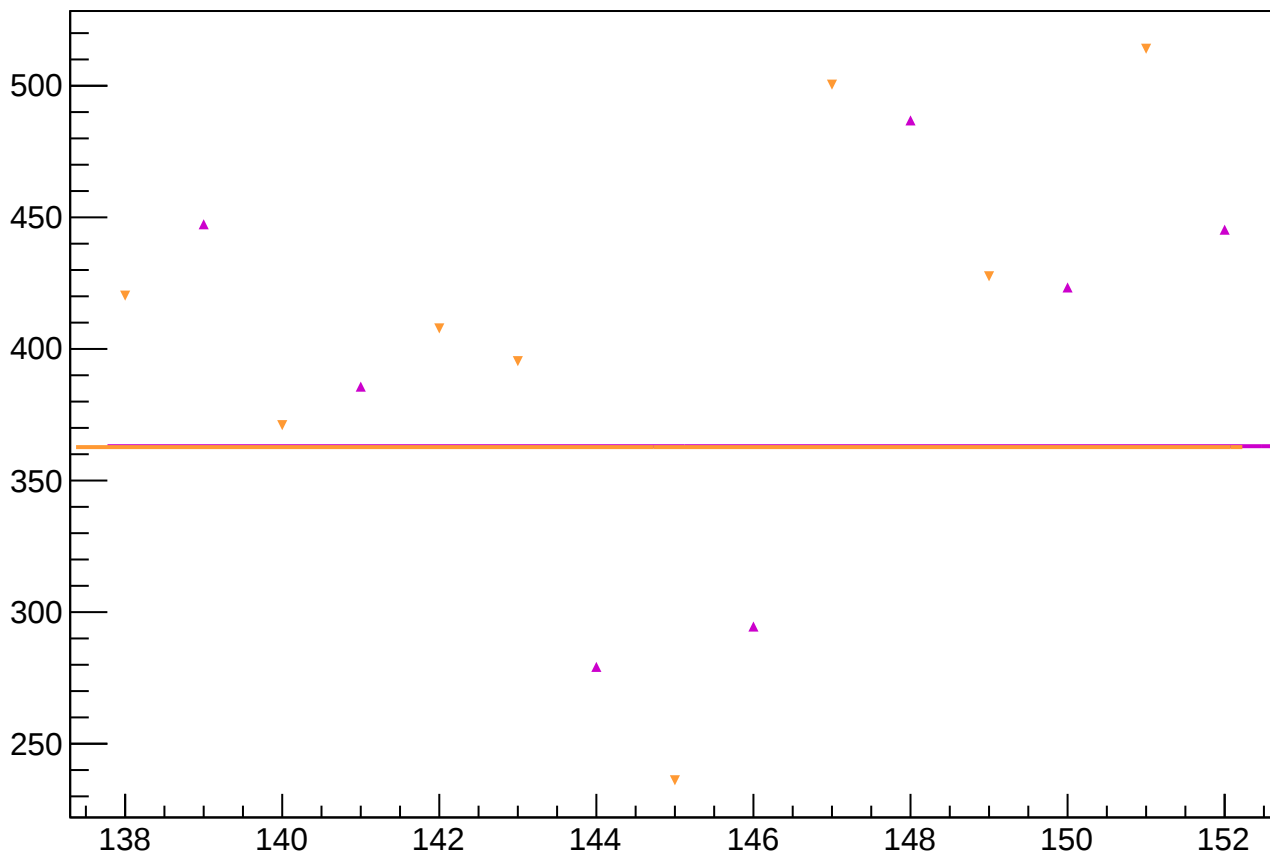
Left In: 293.784+/-156.160 χ^2/NDF : 12.8/6

154.874+/-156.958 χ^2/NDF : 11.0/7

224.683+/-110.703 χ^2/NDF : 24.2/14

293.784+/-156.160 χ^2/NDF : 12.8/6

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

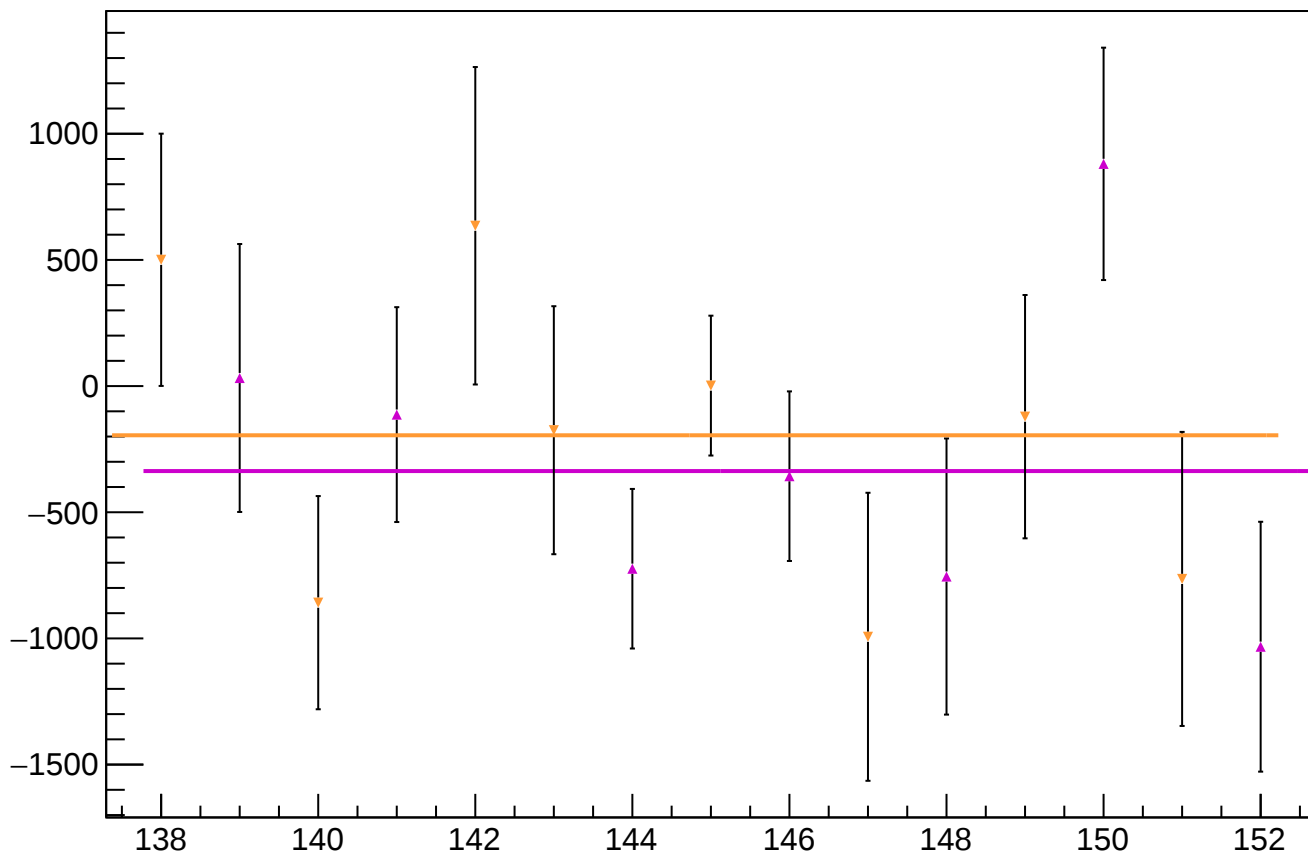
Left In: 363.051+/-0.110 χ^2/NDF : 482788.4/6

362.702+/-0.111 χ^2/NDF : 771394.0/7

362.877+/-0.078 χ^2/NDF : 1254187.3/14

363.051+/-0.110 χ^2/NDF : 482788.4/6

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

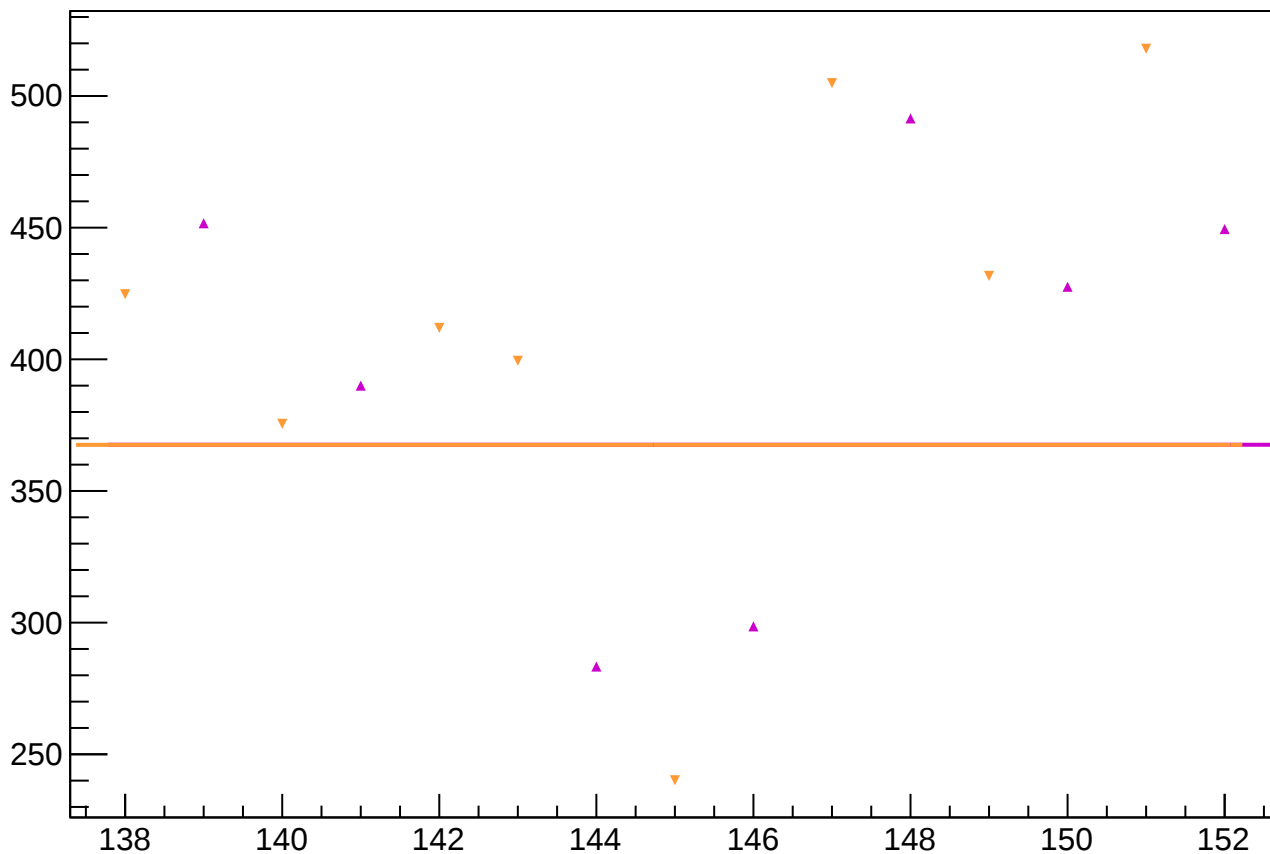
Left In: -336.794+/-158.004 χ^2/NDF : 11.8/6

-194.980+/-158.887 χ^2/NDF : 9.6/7

-266.282+/-112.037 χ^2/NDF : 21.8/14

-336.794+/-158.004 χ^2/NDF : 11.8/6

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

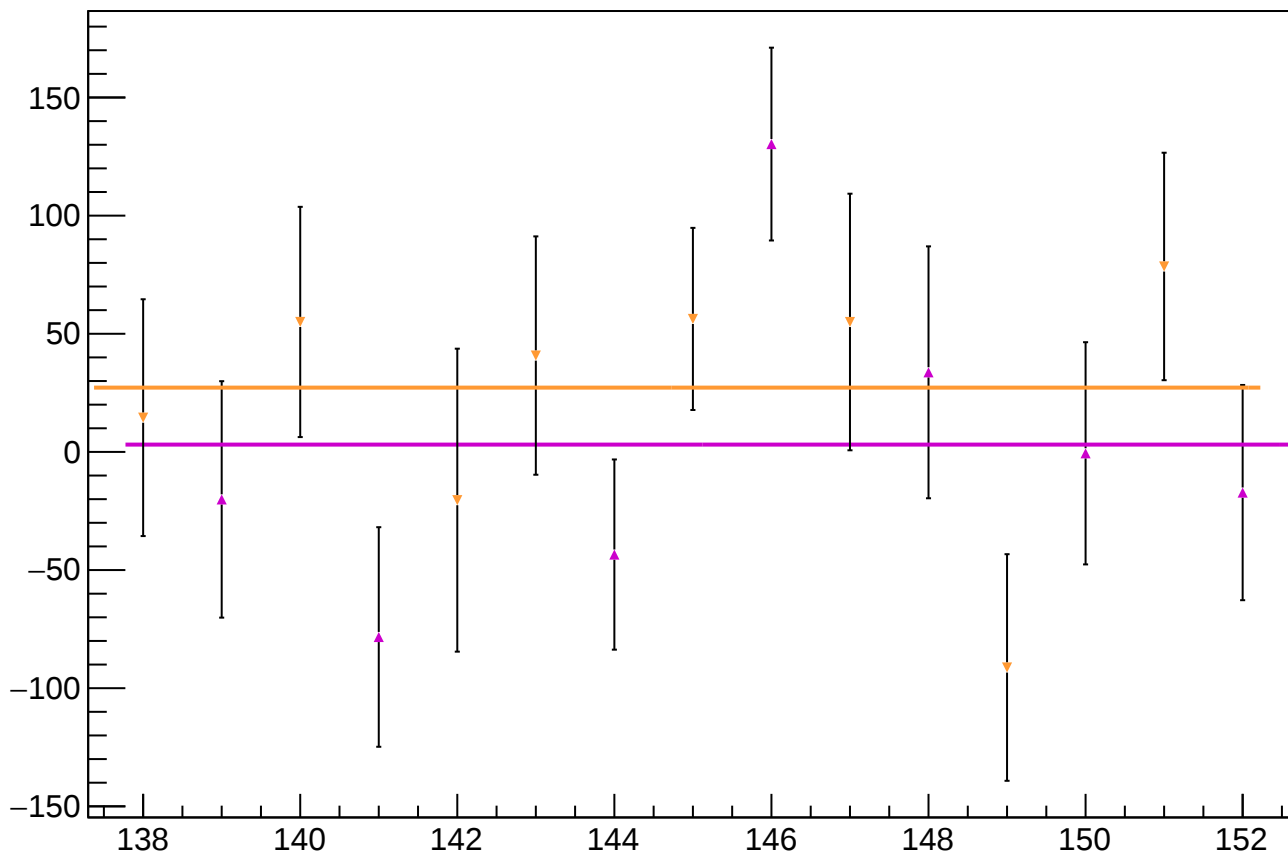
Left In: 367.560+/-0.112 χ^2/NDF : 473171.9/6

367.517+/-0.112 χ^2/NDF : 752484.0/7

367.539+/-0.079 χ^2/NDF : 1225656.0/14

367.560+/-0.112 χ^2/NDF : 473171.9/6

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

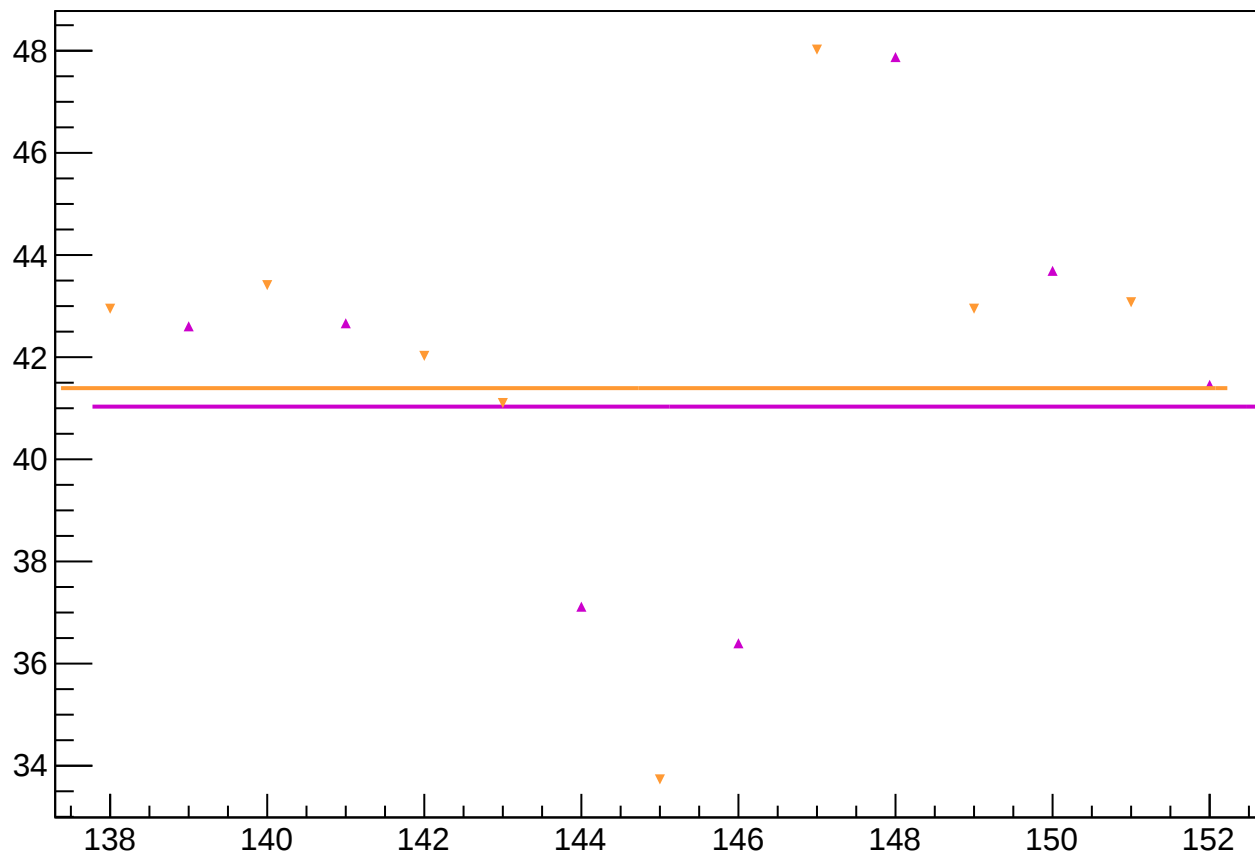
Left In: 3.098+/-17.234 χ^2/NDF : 14.9/6

27.213+/-17.317 χ^2/NDF : 9.1/7

15.098+/-12.215 χ^2/NDF : 24.9/14

3.098+/-17.234 χ^2/NDF : 14.9/6

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

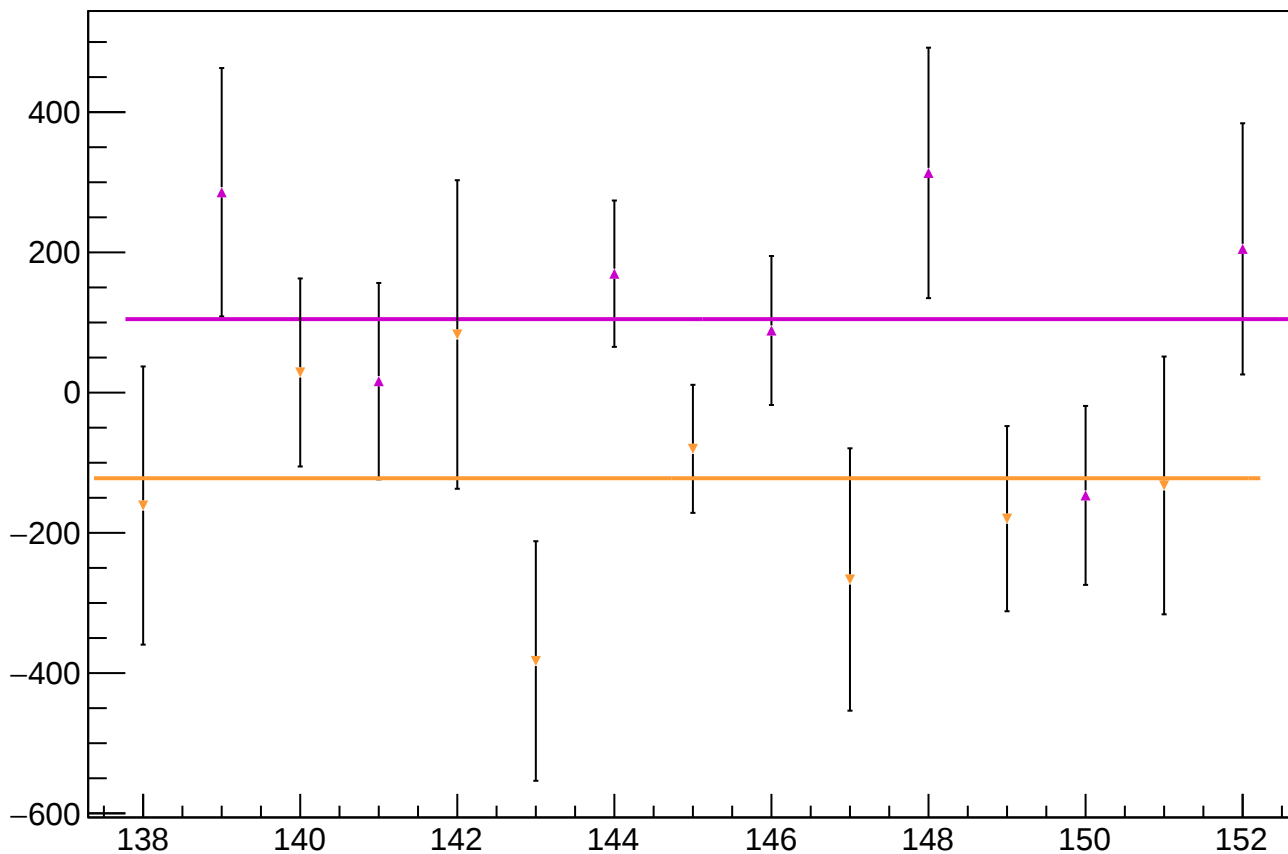
Left In: 41.032+/-0.012 χ^2/NDF :88729.2/6

41.394+/-0.012 χ^2/NDF : 118999.1/7

41.212+/-0.009 χ^2/NDF : 208166.9/14

41.032+/-0.012 χ^2/NDF : 88729.2/6

asym_sam_37_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -122.108 $\pm$ 51.888 χ^2 /NDF: 5.5/7

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

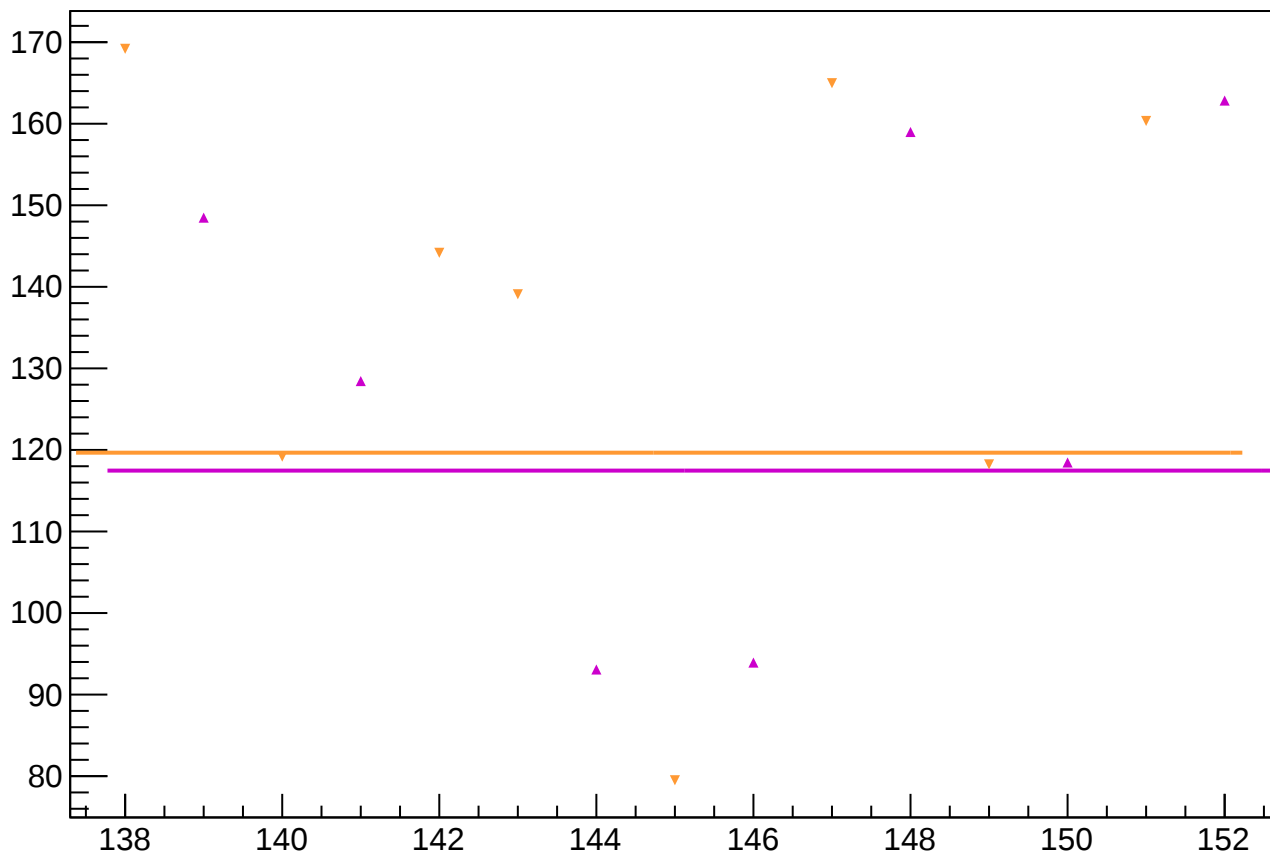
Left In: 104.797 $\pm$ 50.818 χ^2 /NDF: 7.4/6

-122.108 $\pm$ 51.888 χ^2 /NDF: 5.5/7

-6.292 $\pm$ 36.306 χ^2 /NDF: 22.7/14

104.797 $\pm$ 50.818 χ^2 /NDF: 7.4/6

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

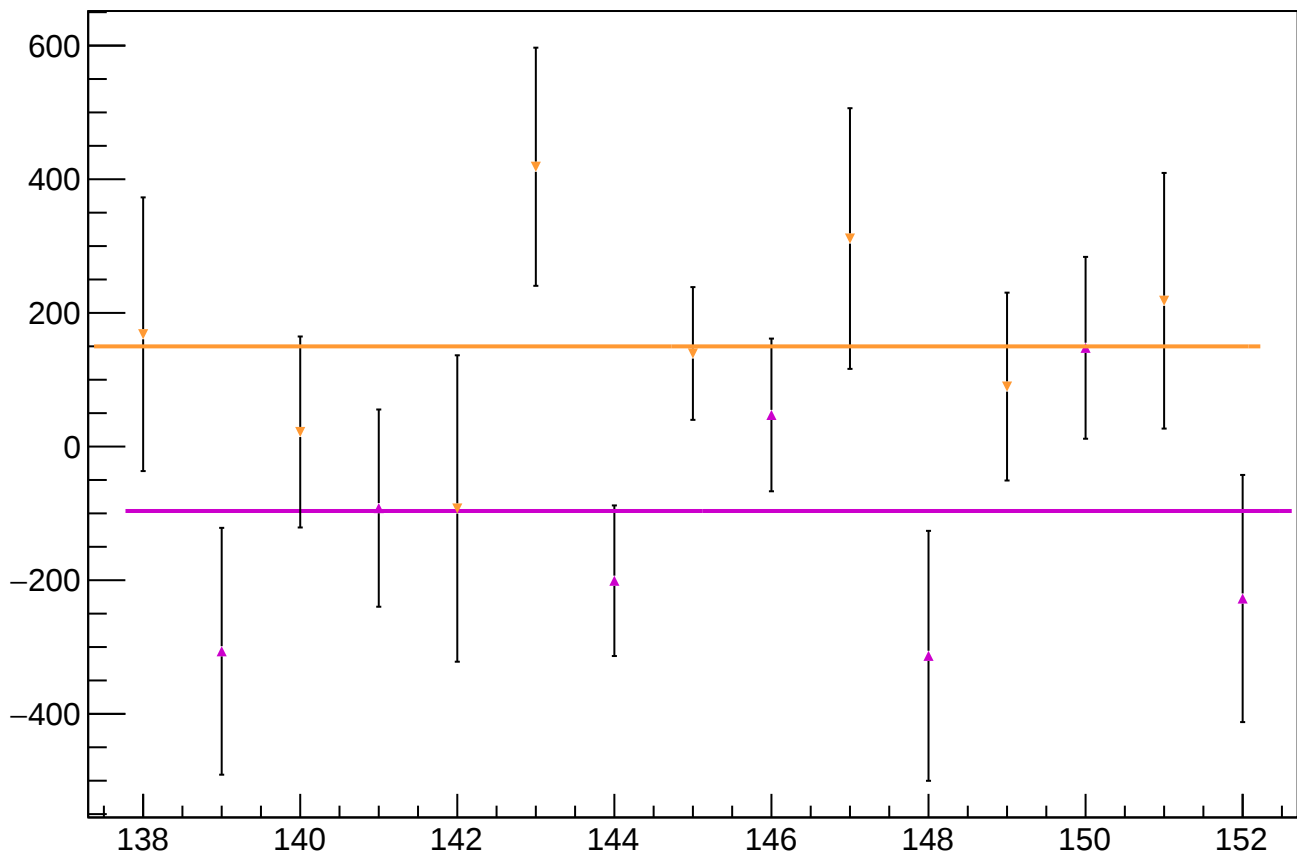
Left In: 117.466+/-0.036 χ^2/NDF : 517605.4/6

119.663+/-0.037 χ^2/NDF : 777949.6/7

118.541+/-0.026 χ^2/NDF : 1297386.3/14

117.466+/-0.036 χ^2/NDF : 517605.4/6

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

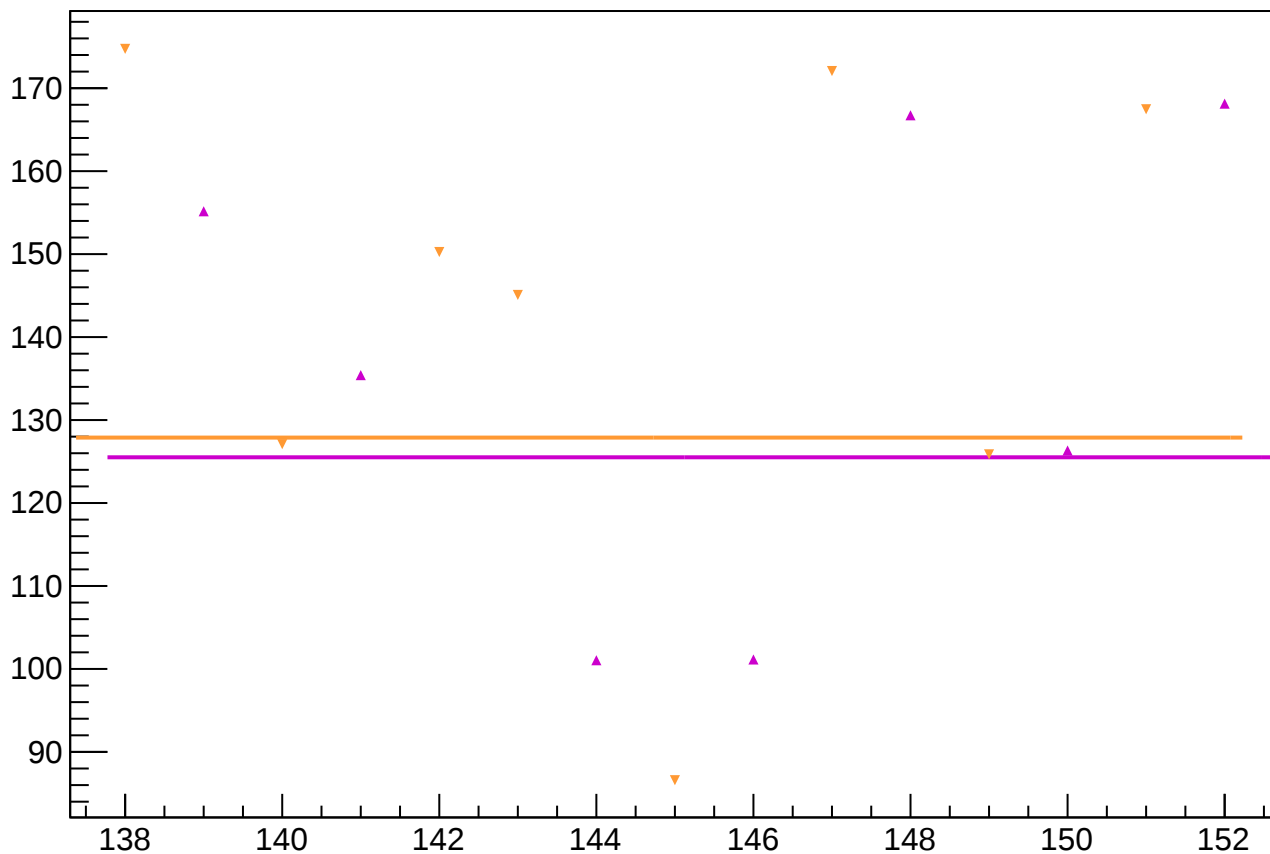
Left In: -96.417+/-54.038 χ^2/NDF : 8.8/6

149.903+/-55.137 χ^2/NDF : 5.2/7

24.264+/-38.593 χ^2/NDF : 24.2/14

-96.417+/-54.038 χ^2/NDF : 8.8/6

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

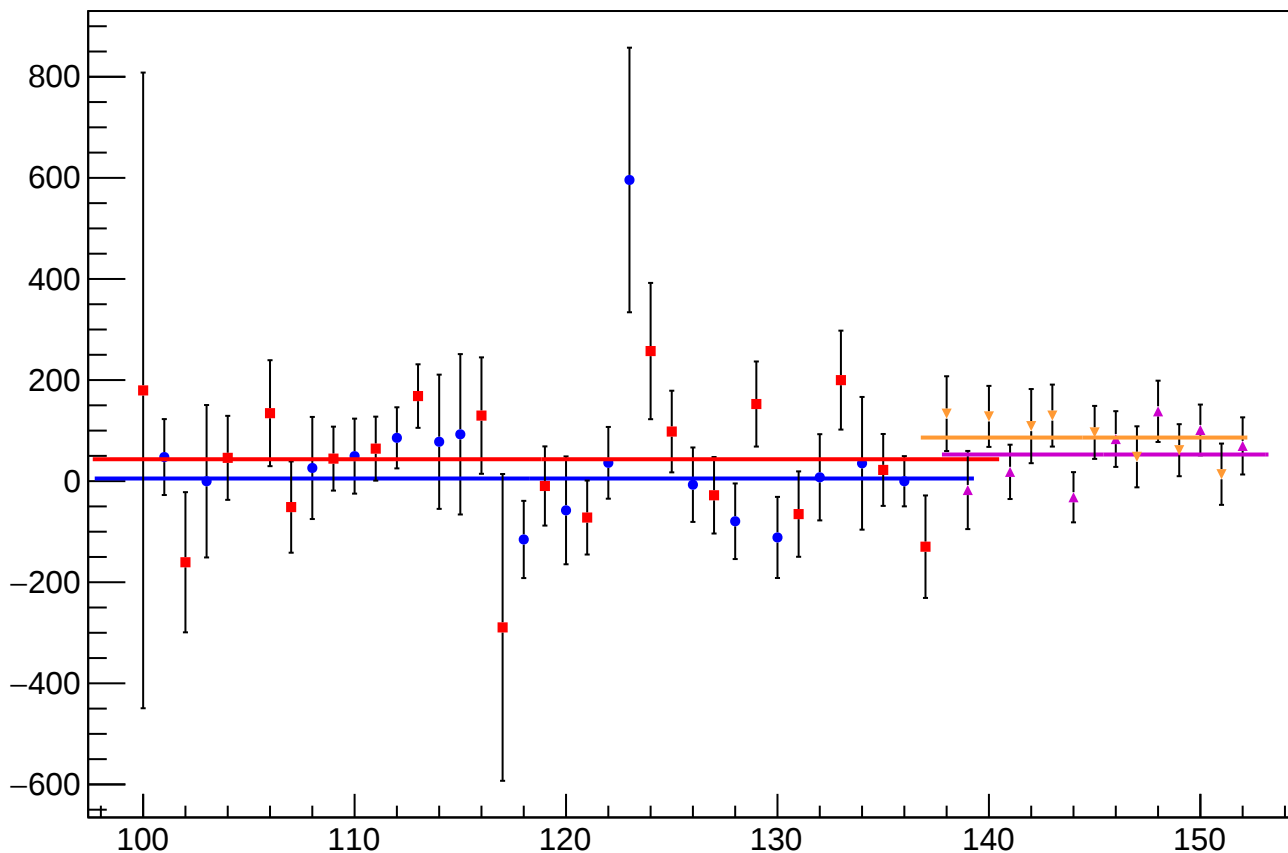
Left In: 125.511+/-0.038 χ^2/NDF : 449342.2/6

127.886+/-0.039 χ^2/NDF : 676815.0/7

126.674+/-0.027 χ^2/NDF : 1128051.0/14

125.511+/-0.038 χ^2/NDF : 449342.2/6

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

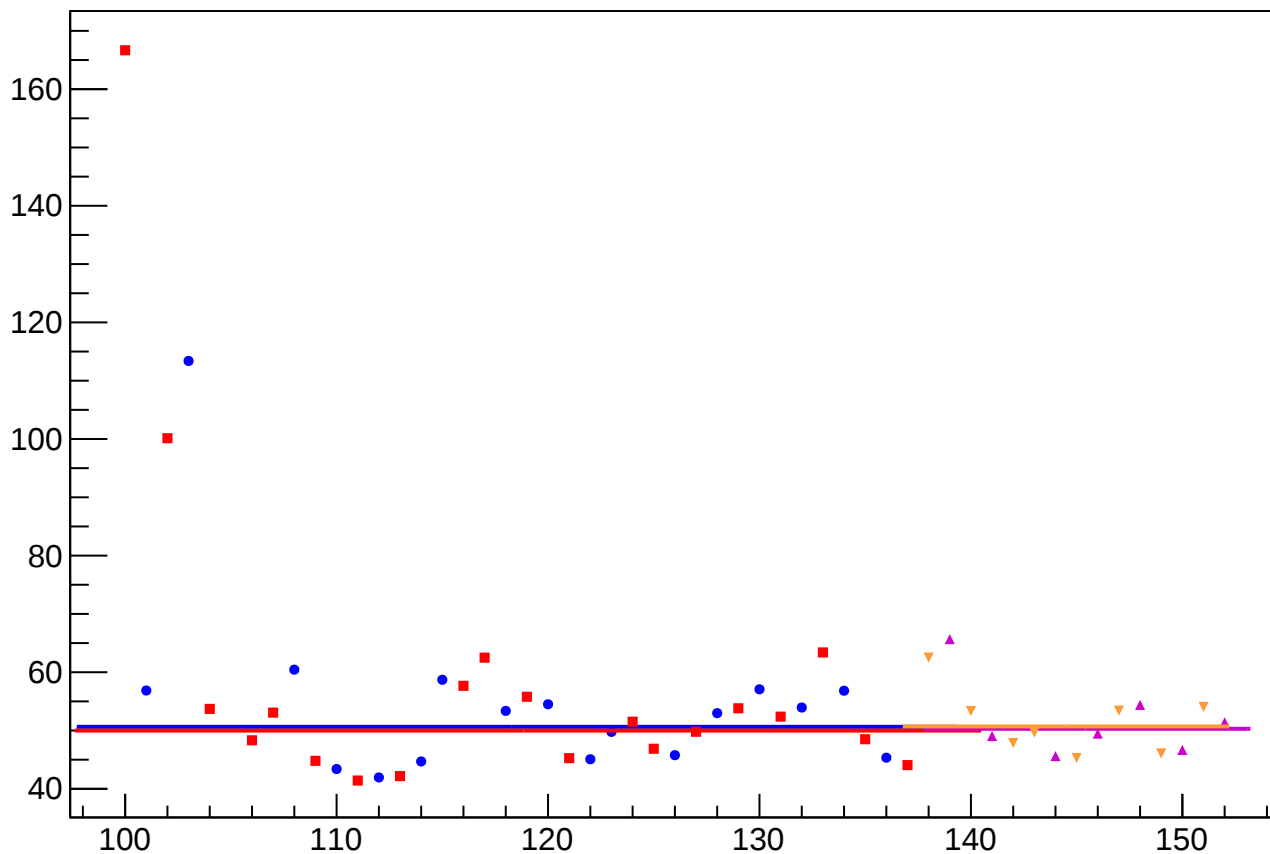
Left In: 52.693 $\pm$ 21.180 χ^2/NDF : 7.5/6

43.419 $\pm$ 14.649 χ^2/NDF : 25.9/24

45.564 $\pm$ 10.231 χ^2/NDF : 59.1/51

47.607 $\pm$ 14.294 χ^2/NDF : 33.1/26

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

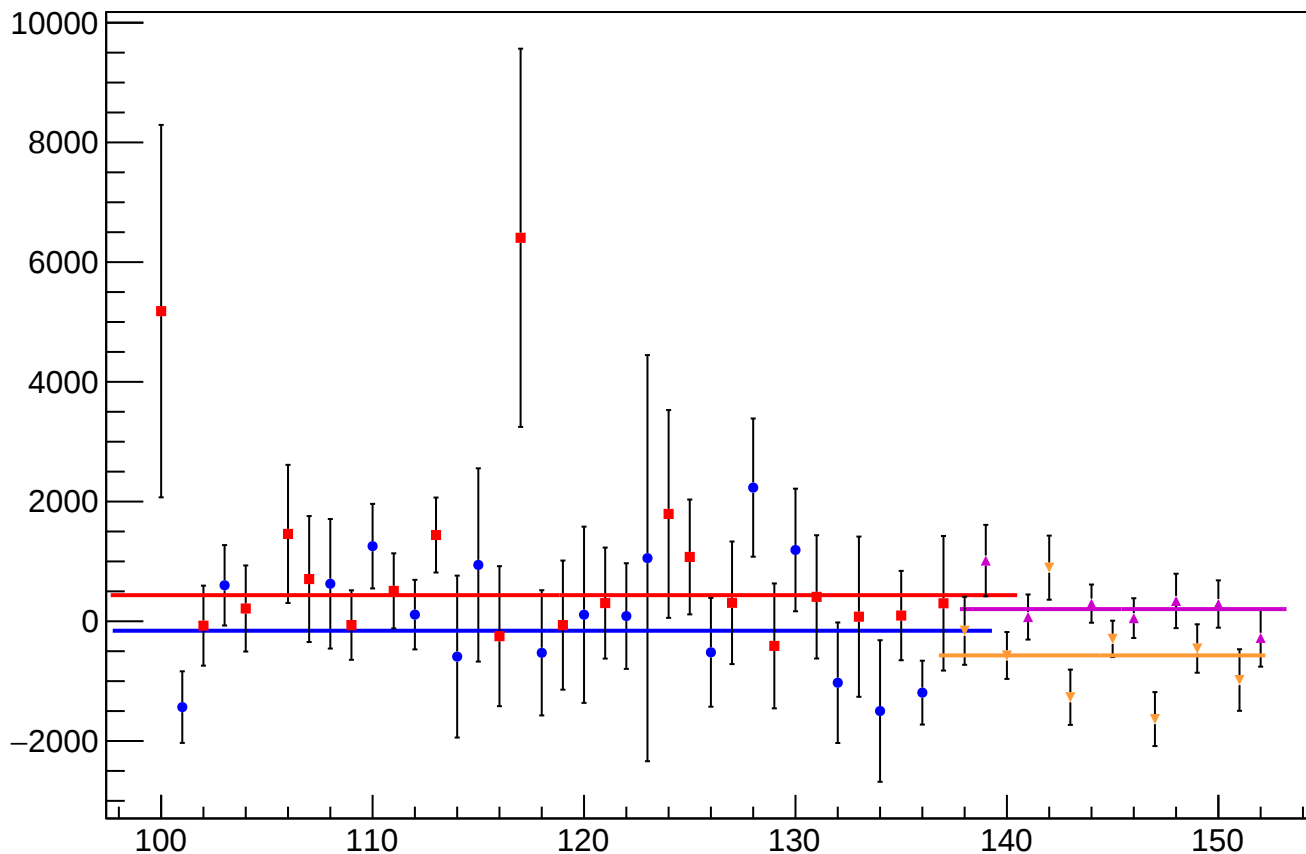
Left In: 50.301 $\pm$ 0.015 χ^2 /NDF: 118726.7/6

50.668 $\pm$ 0.010 χ^2 /NDF: 625607.1/24

50.394 $\pm$ 0.007 χ^2 /NDF: 1249824.6/51

50.134 $\pm$ 0.010 χ^2 /NDF: 622853.3/26

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

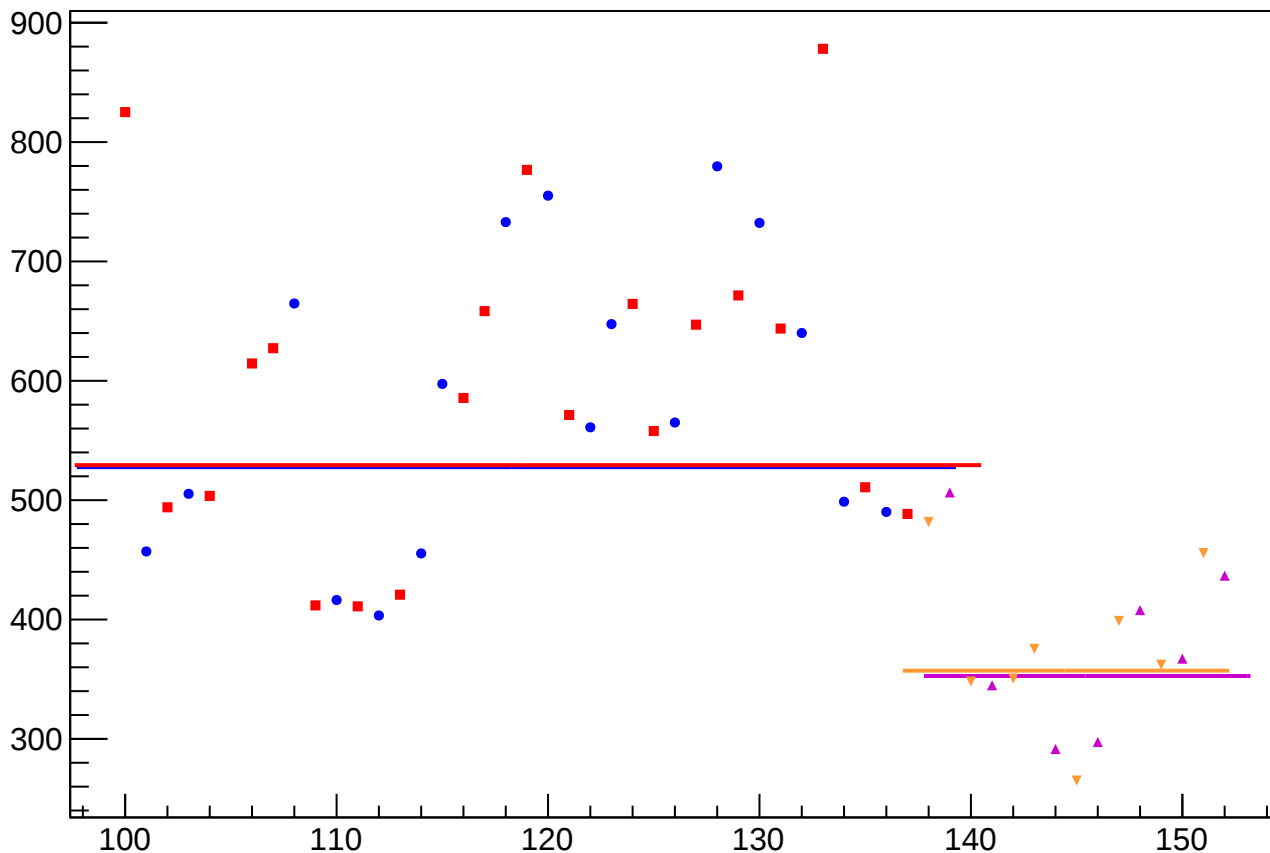
Left In: 203.588 $\pm$ 150.204 χ^2 /NDF:3.4/6

-428.738 $\pm$ 123.036 χ^2 /NDF: 43.4/24

-64.860 $\pm$ 86.194 χ^2 /NDF: 78.2/51

285.847 $\pm$ 120.789 χ^2 /NDF: 17.6/26

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

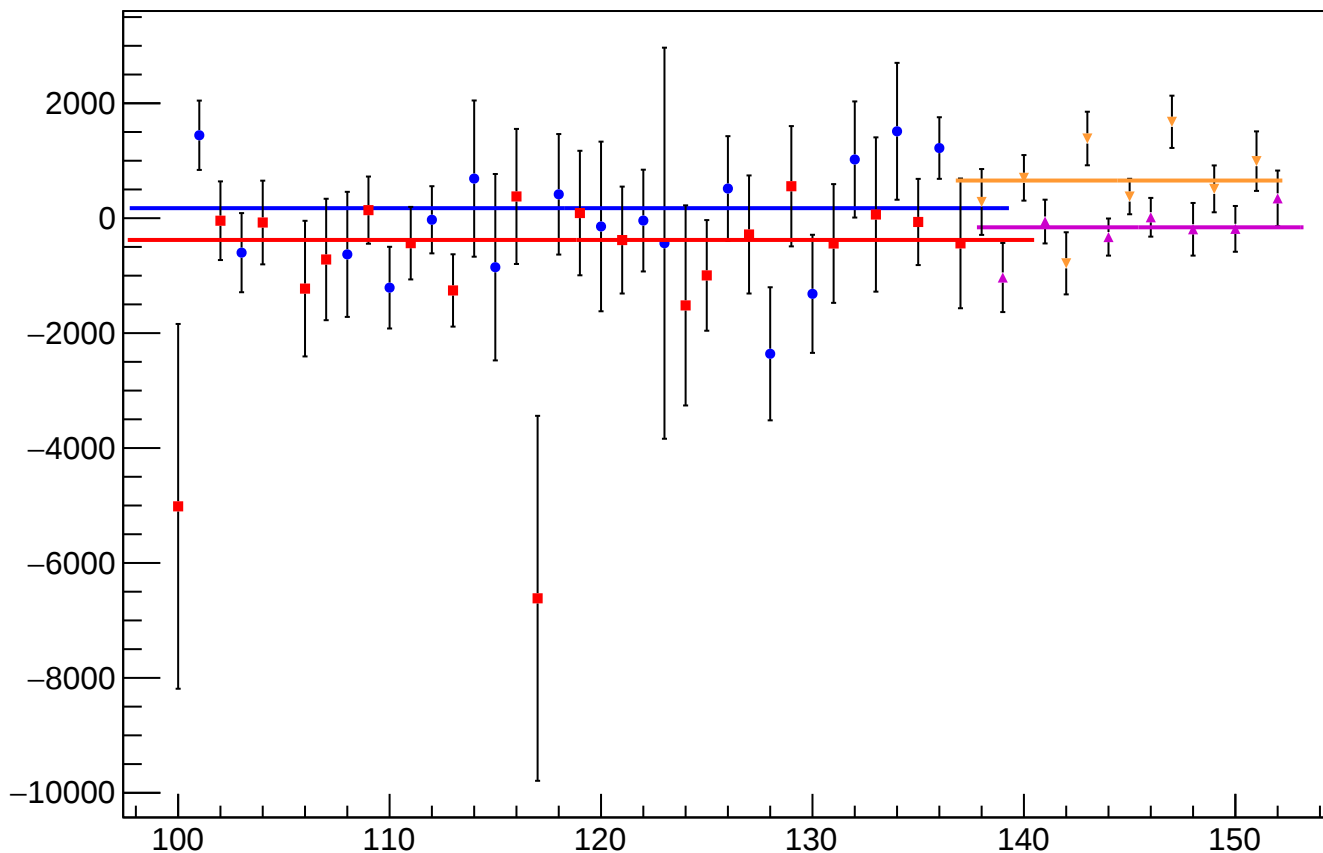
Left In: 352.692 $\pm$ 0.106 χ^2/NDF : 356204.8/6

415.597 $\pm$ 0.087 χ^2/NDF : 1797370.5/24

415.346 $\pm$ 0.061 χ^2/NDF : 3757673.5/51

415.104 $\pm$ 0.085 χ^2/NDF : 1960286.7/26

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

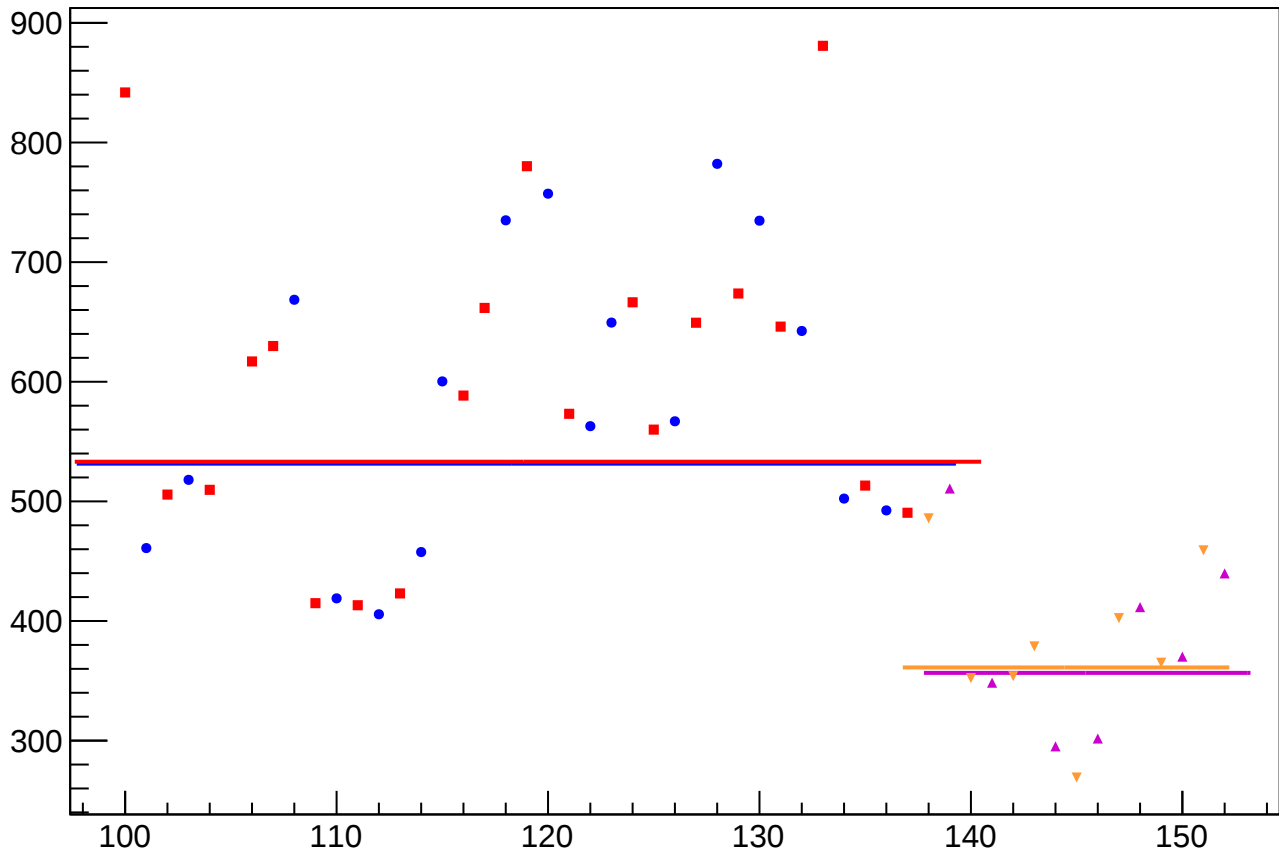
Left In: -158.613 $\pm$ 151.813 χ^2/NDF : 3.8/6

489.840 $\pm$ 124.202 χ^2/NDF : 43.5/24

119.966 $\pm$ 87.019 χ^2/NDF : 77.8/51

-236.641 $\pm$ 121.955 χ^2/NDF : 16.9/26

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 531.554 $\pm$ 0.150 χ^2 /NDF: 550087.6/16

Left Out: 361.174 $\pm$ 0.108 χ^2 /NDF: 364741.1/7

Right Out: 533.157 $\pm$ 0.145 χ^2 /NDF: 619038.4/19

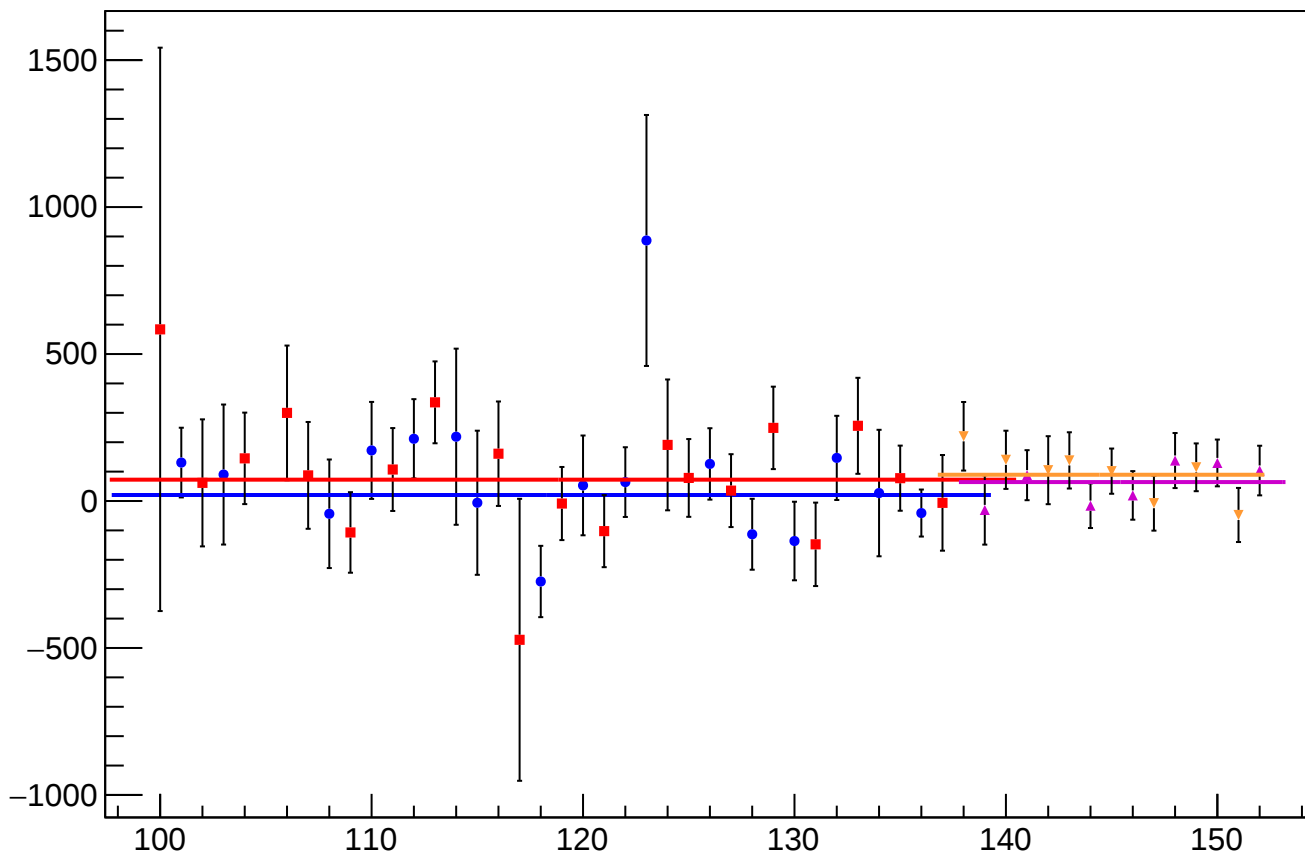
Left In: 356.632 $\pm$ 0.107 χ^2 /NDF: 347756.8/6

419.841 $\pm$ 0.088 χ^2 /NDF: 1764528.3/24

419.536 $\pm$ 0.062 χ^2 /NDF: 3690439.7/51

419.242 $\pm$ 0.086 χ^2 /NDF: 1925887.6/26

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

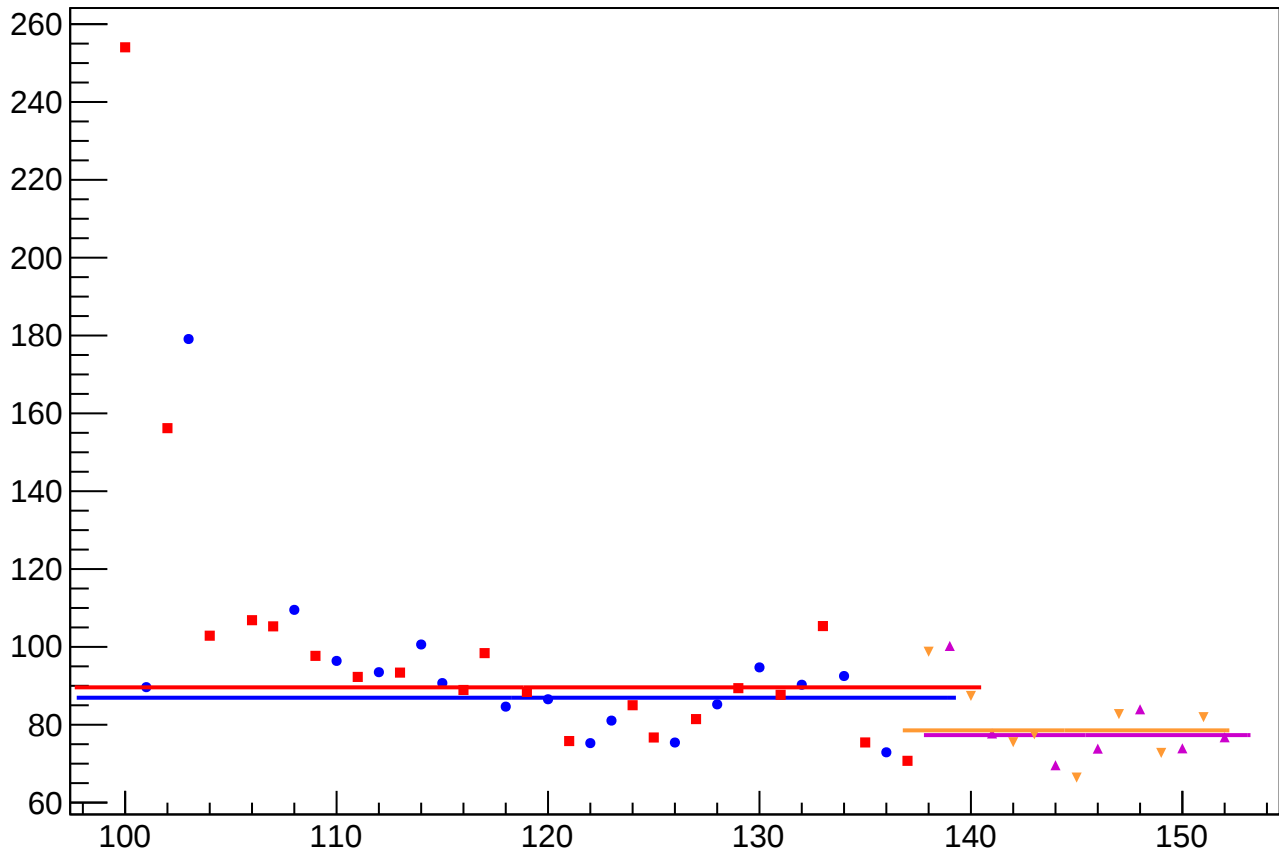
Left In: 64.429 $\pm$ 32.591 χ^2 /NDF: 3.6/6

56.393 $\pm$ 23.916 χ^2 /NDF: 26.5/24

62.379 $\pm$ 16.844 χ^2 /NDF: 47.0/51

68.271 $\pm$ 23.726 χ^2 /NDF: 20.4/26

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 86.943 ± 0.024 $\chi^2/\text{NDF}: 455809.4/16$

Left Out: 78.554 ± 0.023 $\chi^2/\text{NDF}: 144202.0/7$

Right Out: 89.607 ± 0.024 $\chi^2/\text{NDF}: 431905.8/19$

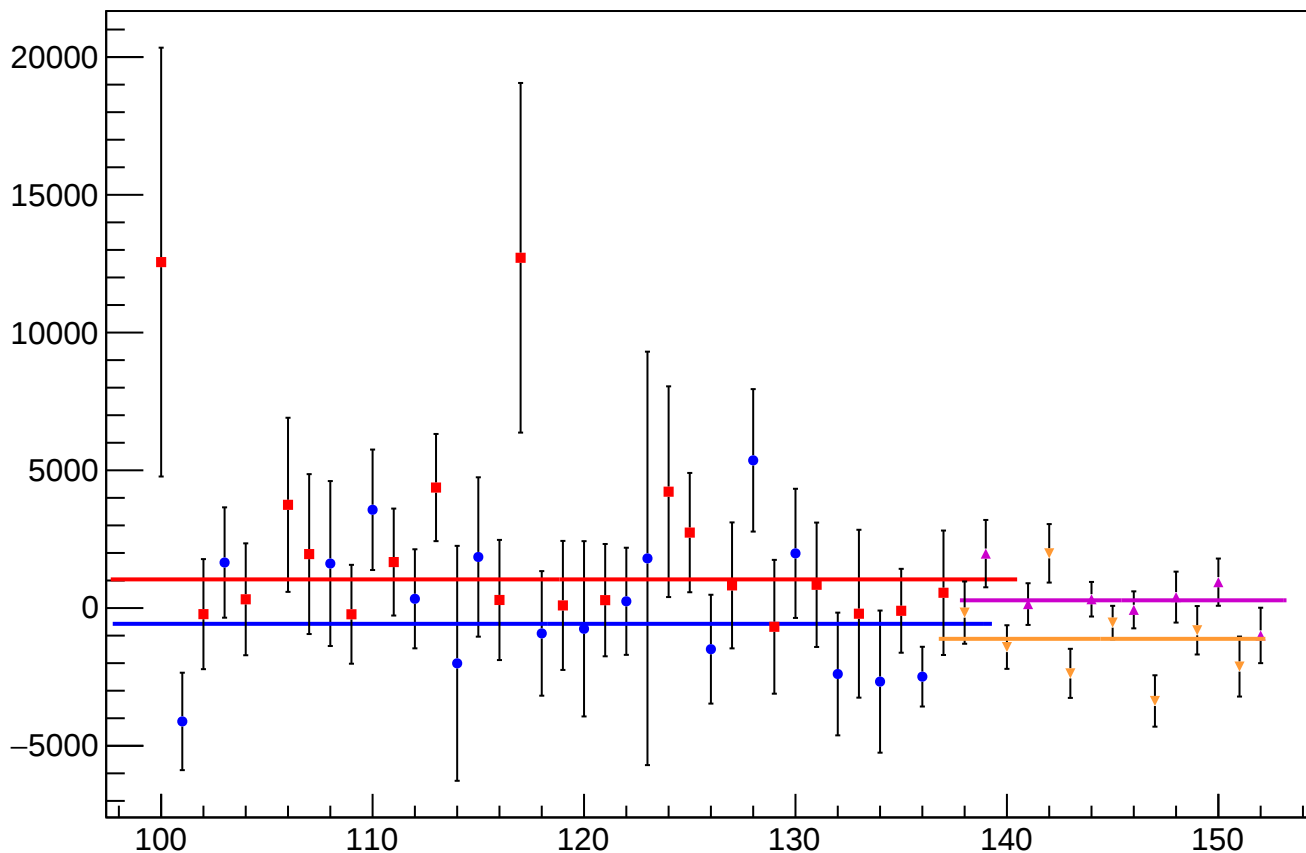
Left In: 77.336 ± 0.023 $\chi^2/\text{NDF}: 113495.7/6$

82.566 ± 0.017 $\chi^2/\text{NDF}: 661410.0/24$

82.837 ± 0.012 $\chi^2/\text{NDF}: 1340576.5/51$

83.104 ± 0.017 $\chi^2/\text{NDF}: 678656.6/26$

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

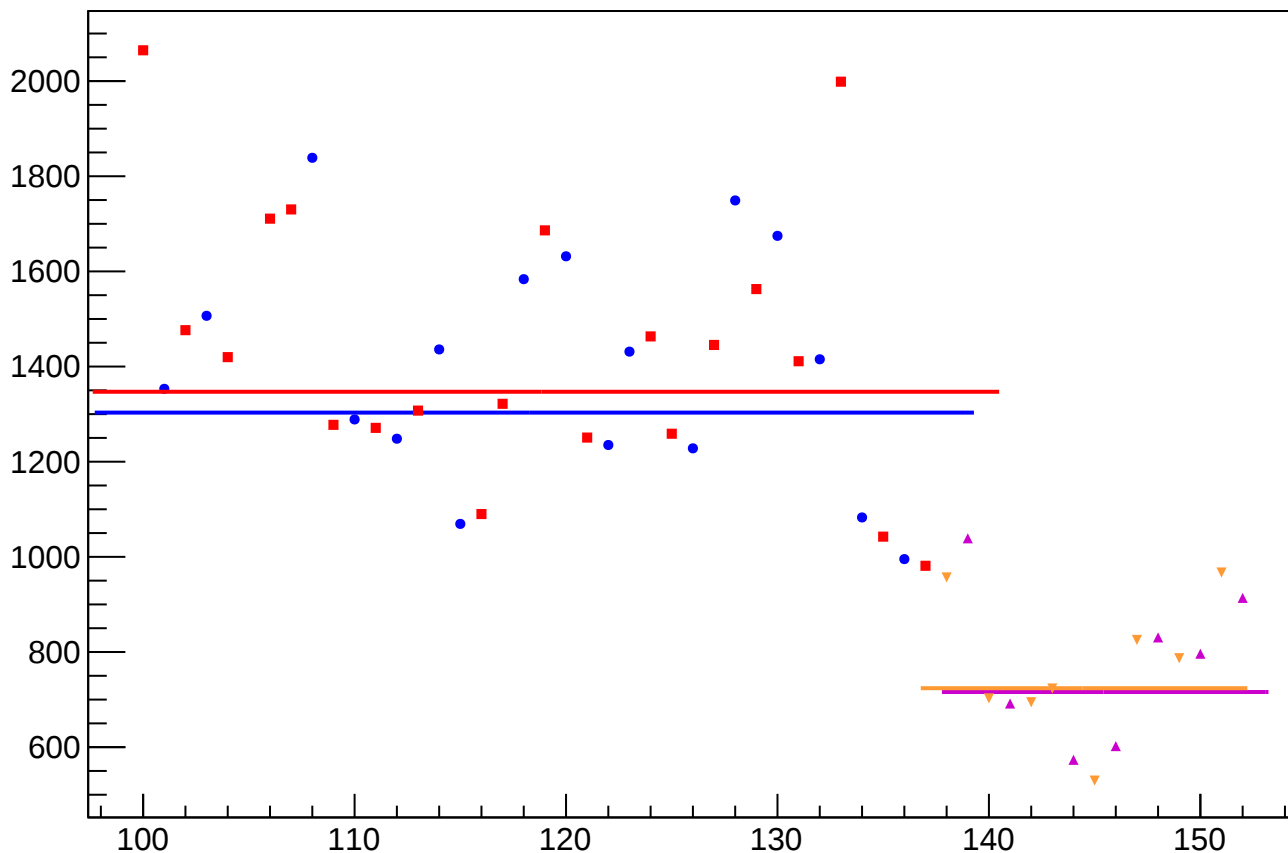
Left In: 281.073 ± 305.843 χ^2/NDF : 4.4/6

-974.317 ± 264.877 χ^2/NDF : 41.8/24

-240.988 ± 186.519 χ^2/NDF : 76.6/51

480.285 ± 262.691 χ^2/NDF : 19.5/26

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

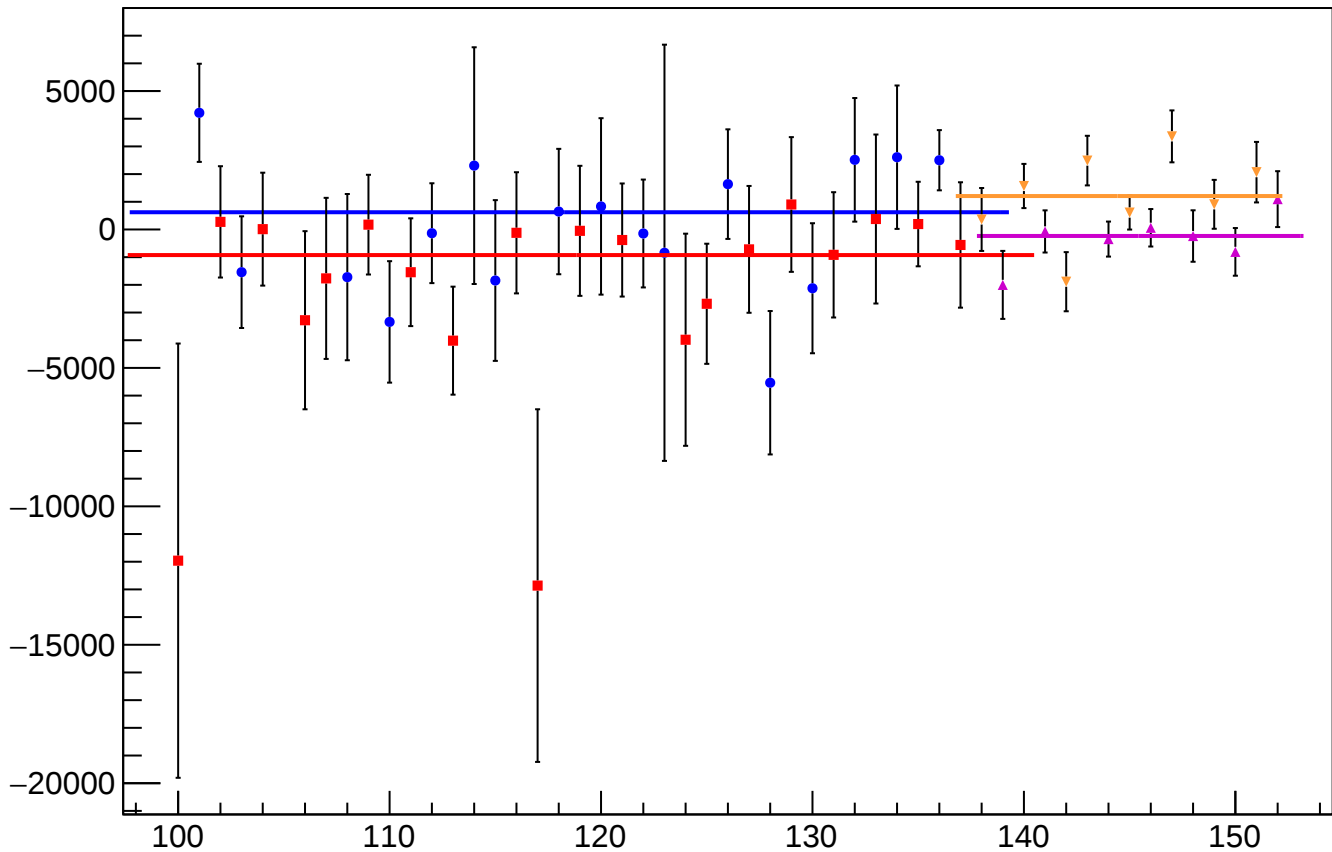
Left In: 715.917 $\pm$ 0.216 χ^2 /NDF: 428005.1/6

875.963 $\pm$ 0.187 χ^2 /NDF: 2728903.8/24

878.724 $\pm$ 0.132 χ^2 /NDF: 5811628.3/51

881.439 $\pm$ 0.186 χ^2 /NDF: 3082293.7/26

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

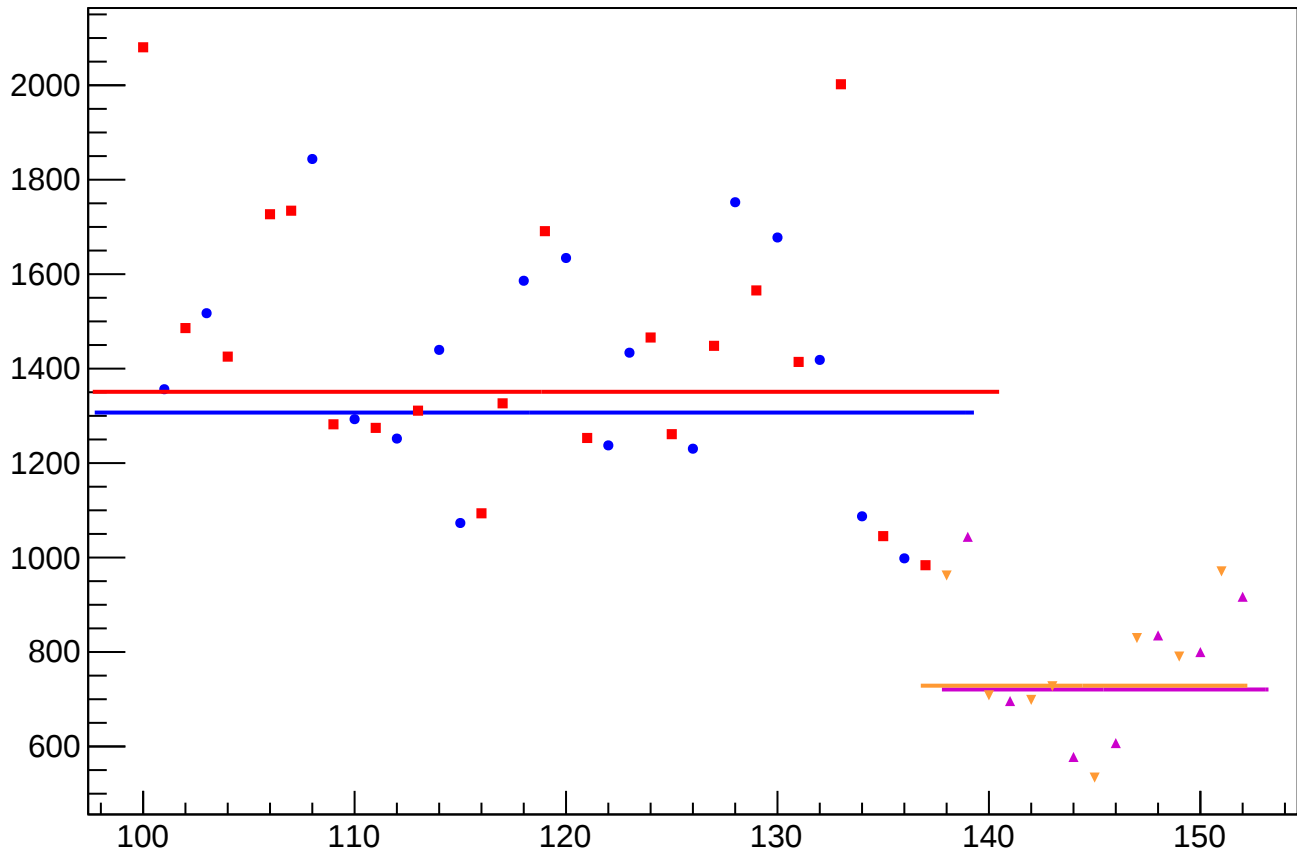
Left In: -234.216+/-307.769 χ^2/NDF : 4.5/6

1053.072+/-266.314 χ^2/NDF : 41.1/24

312.484+/-187.539 χ^2/NDF : 74.9/51

-416.053+/-264.138 χ^2/NDF : 18.5/26

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1306.980 $\pm$ 0.367 χ^2/NDF : 451191.7/16

Left Out: 728.711 $\pm$ 0.219 χ^2/NDF : 419318.5/7

Right Out: 1350.936 $\pm$ 0.364 χ^2/NDF : 421834.2/19

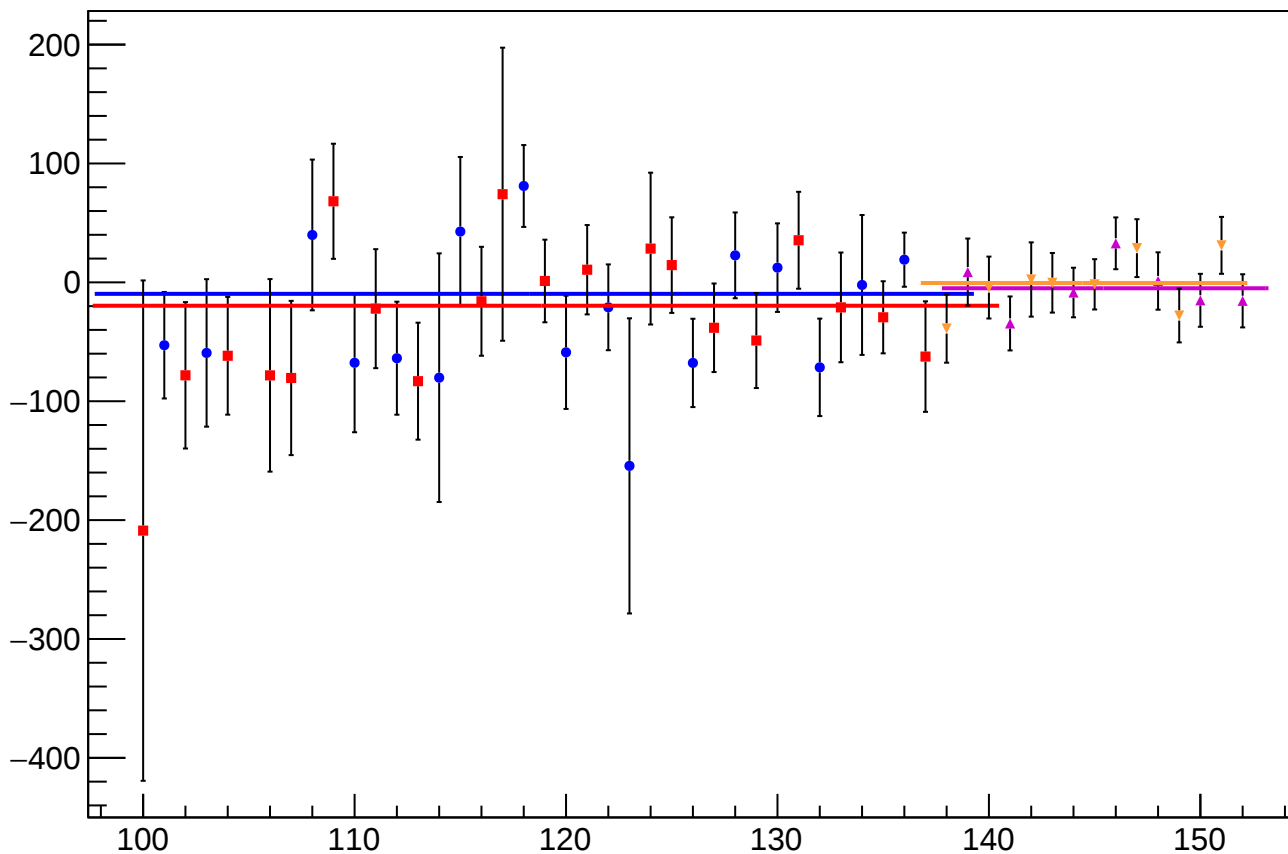
Left In: 720.644 $\pm$ 0.218 χ^2/NDF : 421848.9/6

881.266 $\pm$ 0.188 χ^2/NDF : 2701930.9/24

883.996 $\pm$ 0.133 χ^2/NDF : 5755704.1/51

886.681 $\pm$ 0.187 χ^2/NDF : 3053356.5/26

reg_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -9.669 ± 10.408 χ^2/NDF : 22.6/16

Left Out: -0.537 ± 8.798 χ^2/NDF : 6.5/7

Right Out: -19.662 ± 10.406 χ^2/NDF : 15.2/19

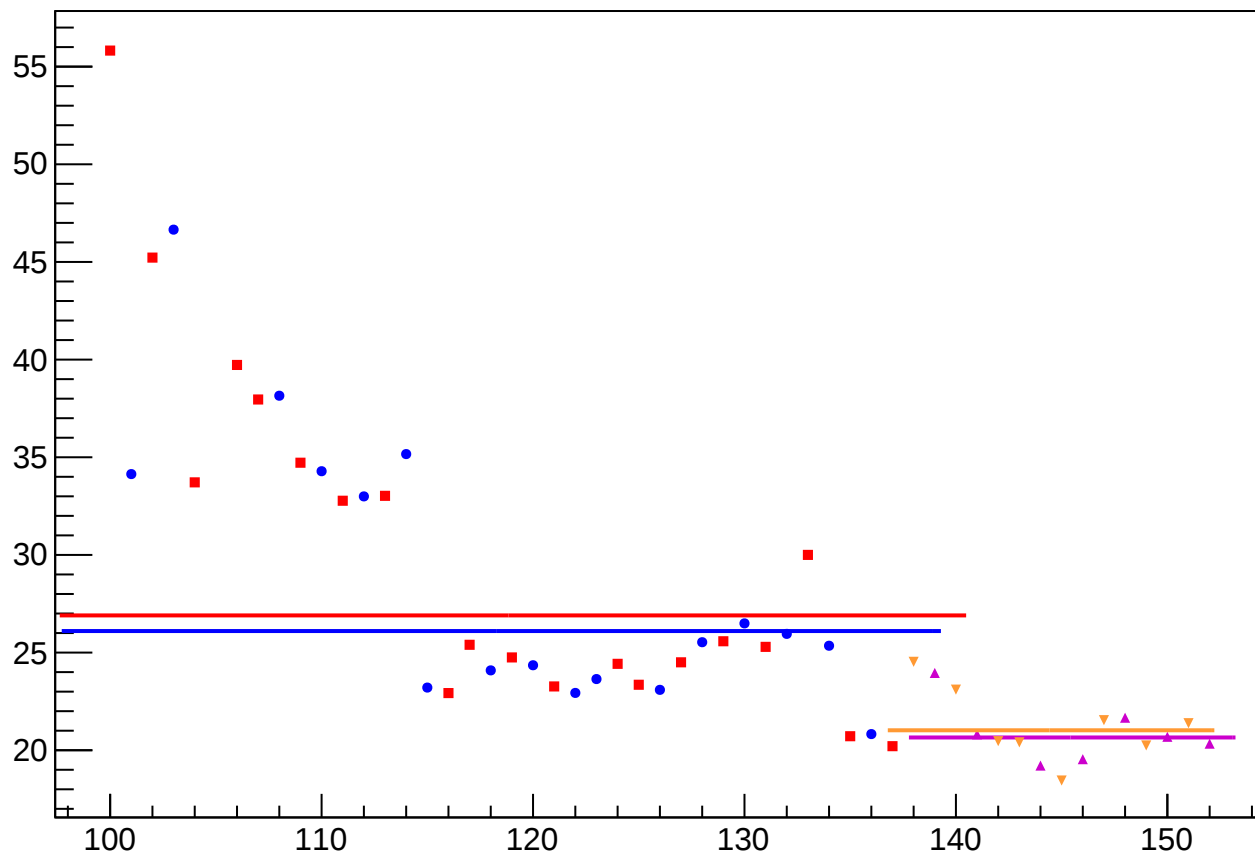
Left In: -4.968 ± 8.658 χ^2/NDF : 5.5/6

-4.343 ± 6.719 χ^2/NDF : 29.5/24

-7.692 ± 4.729 χ^2/NDF : 51.9/51

-10.978 ± 6.656 χ^2/NDF : 21.9/26

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

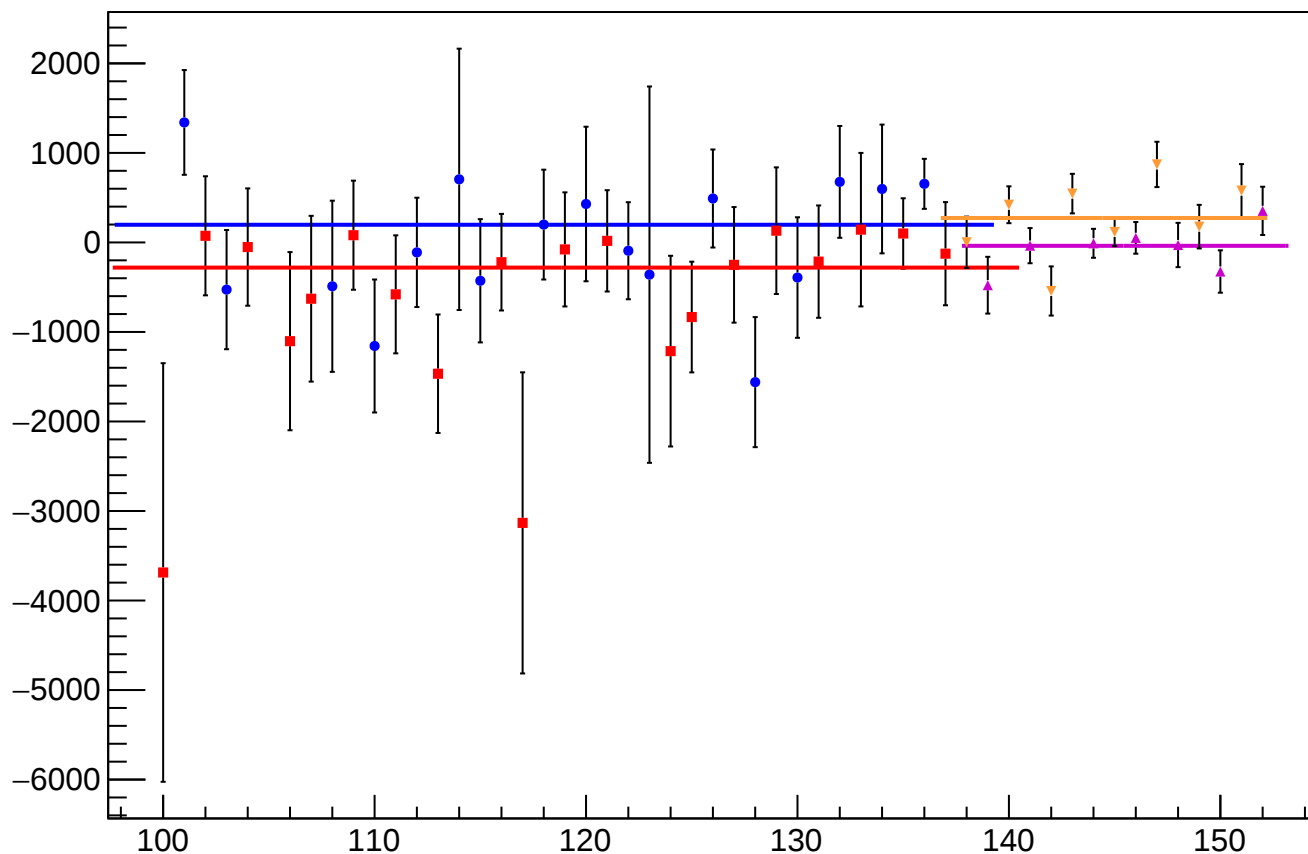
Left In: 20.653+/-0.006 χ^2/NDF : 46231.2/6

23.139+/-0.005 χ^2/NDF : 959621.4/24

23.175+/-0.003 χ^2/NDF : 2111488.9/51

23.210+/-0.005 χ^2/NDF : 1151756.1/26

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

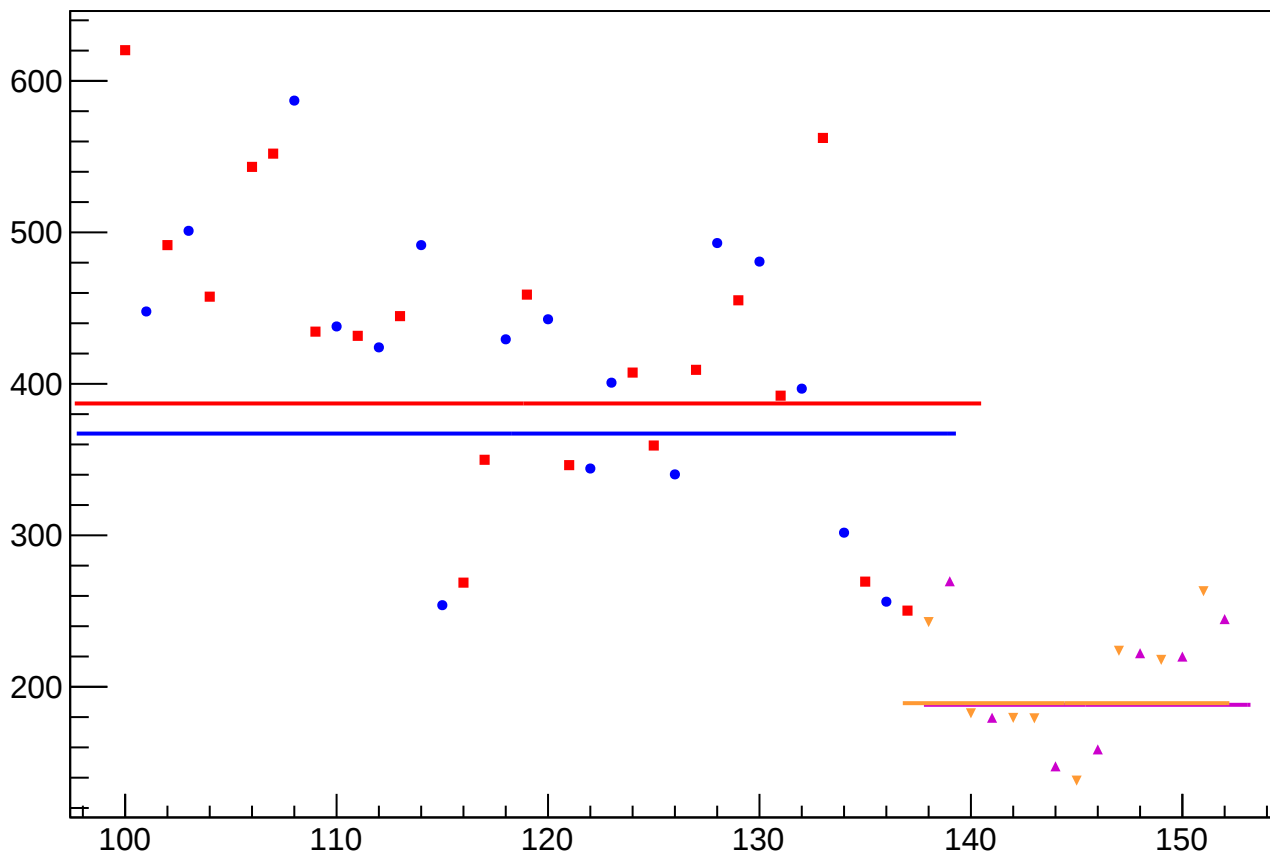
Left In: -37.869 $\pm$ 80.561 χ^2 /NDF:5.8/6

255.624 $\pm$ 70.926 χ^2 /NDF: 40.7/24

81.361 $\pm$ 50.141 χ^2 /NDF: 74.2/51

-92.751 $\pm$ 70.895 χ^2 /NDF: 21.4/26

asym_sam_1357_2468_dd_correction_rms vs Slug, Sign Corrected



Right In: 367.180 +/- 0.105 χ^2/NDF : 827148.2/16

Left Out: 189.194 +/- 0.057 χ^2/NDF : 475031.7/7

Right Out: 387.048 +/- 0.106 χ^2/NDF : 775547.5/19

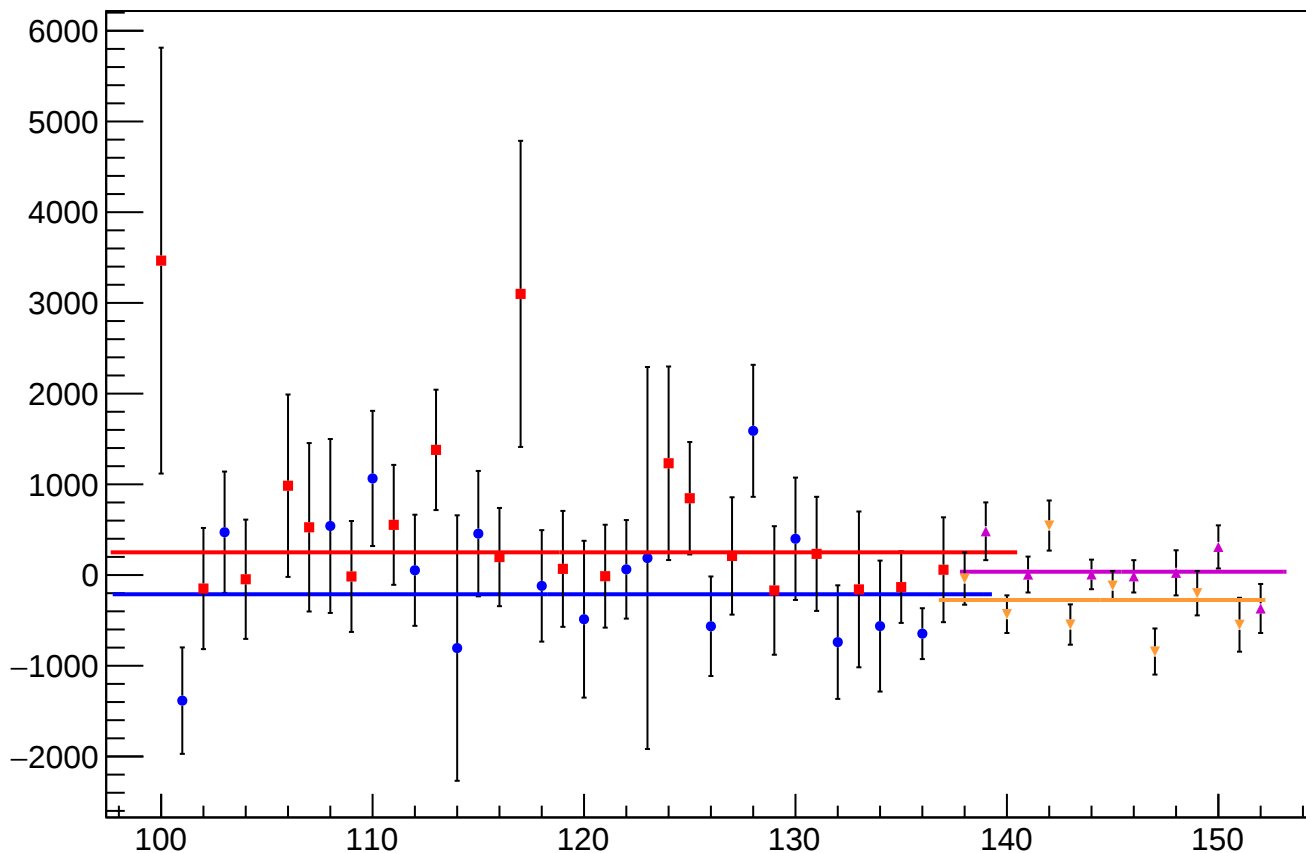
Left In: 188.117 +/- 0.057 χ^2/NDF : 480244.6/6

230.135 +/- 0.050 χ^2/NDF : 3532888.1/24

231.562 +/- 0.035 χ^2/NDF : 7541033.0/51

232.988 +/- 0.050 χ^2/NDF : 4006526.1/26

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 $\chi^2/\text{NDF}: 12.9/19$

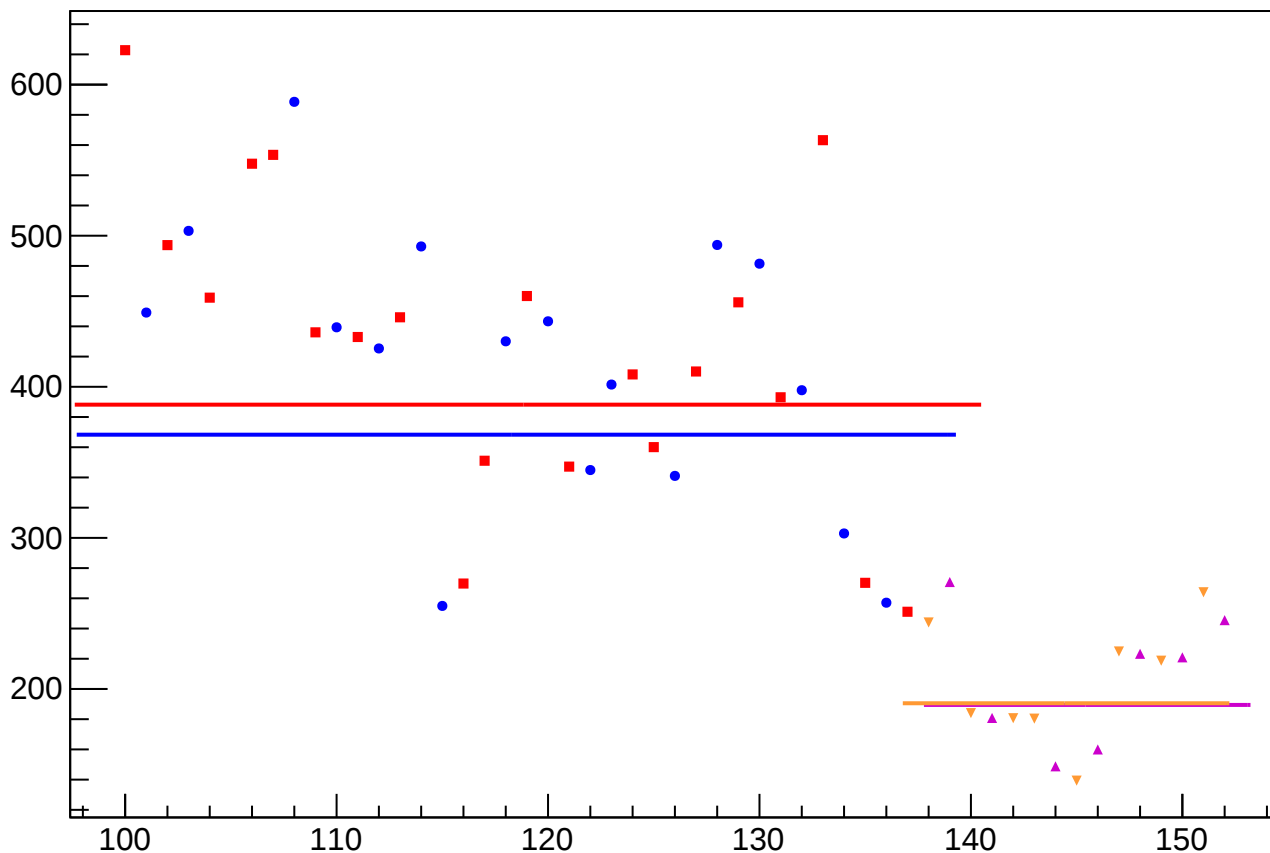
Left In: 36.521 ± 81.090 $\chi^2/\text{NDF}: 5.7/6$

-260.375 ± 71.338 $\chi^2/\text{NDF}: 39.6/24$

-87.584 ± 50.432 $\chi^2/\text{NDF}: 71.5/51$

85.038 ± 71.304 $\chi^2/\text{NDF}: 20.2/26$

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 368.302 +/- 0.105 χ^2/NDF : 824619.2/16

Left Out: 190.544 +/- 0.058 χ^2/NDF : 466734.7/7

Right Out: 388.178 +/- 0.106 χ^2/NDF : 775692.7/19

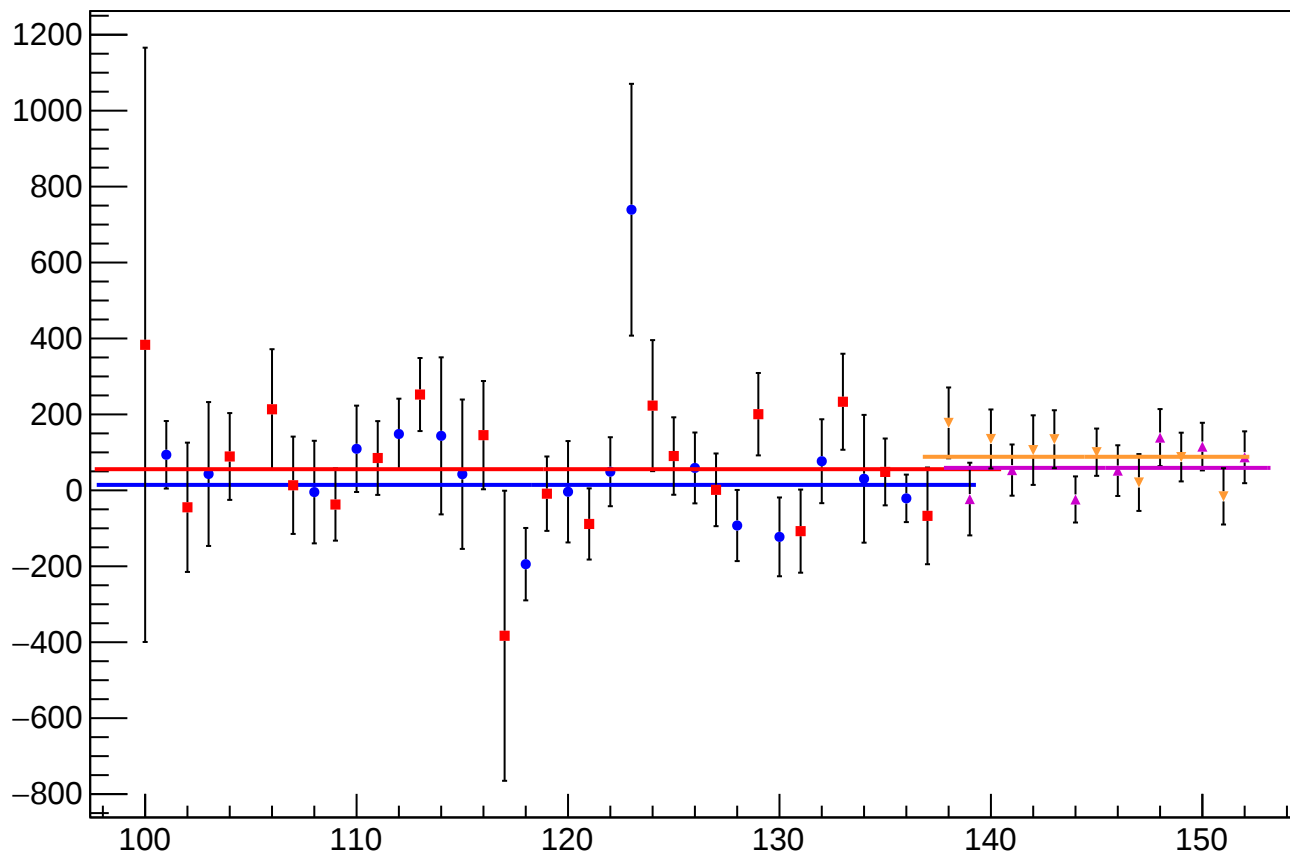
Left In: 189.438 +/- 0.057 χ^2/NDF : 471707.4/6

231.668 +/- 0.050 χ^2/NDF : 3499551.9/24

233.091 +/- 0.036 χ^2/NDF : 7473186.2/51

234.512 +/- 0.050 χ^2/NDF : 3972044.3/26

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

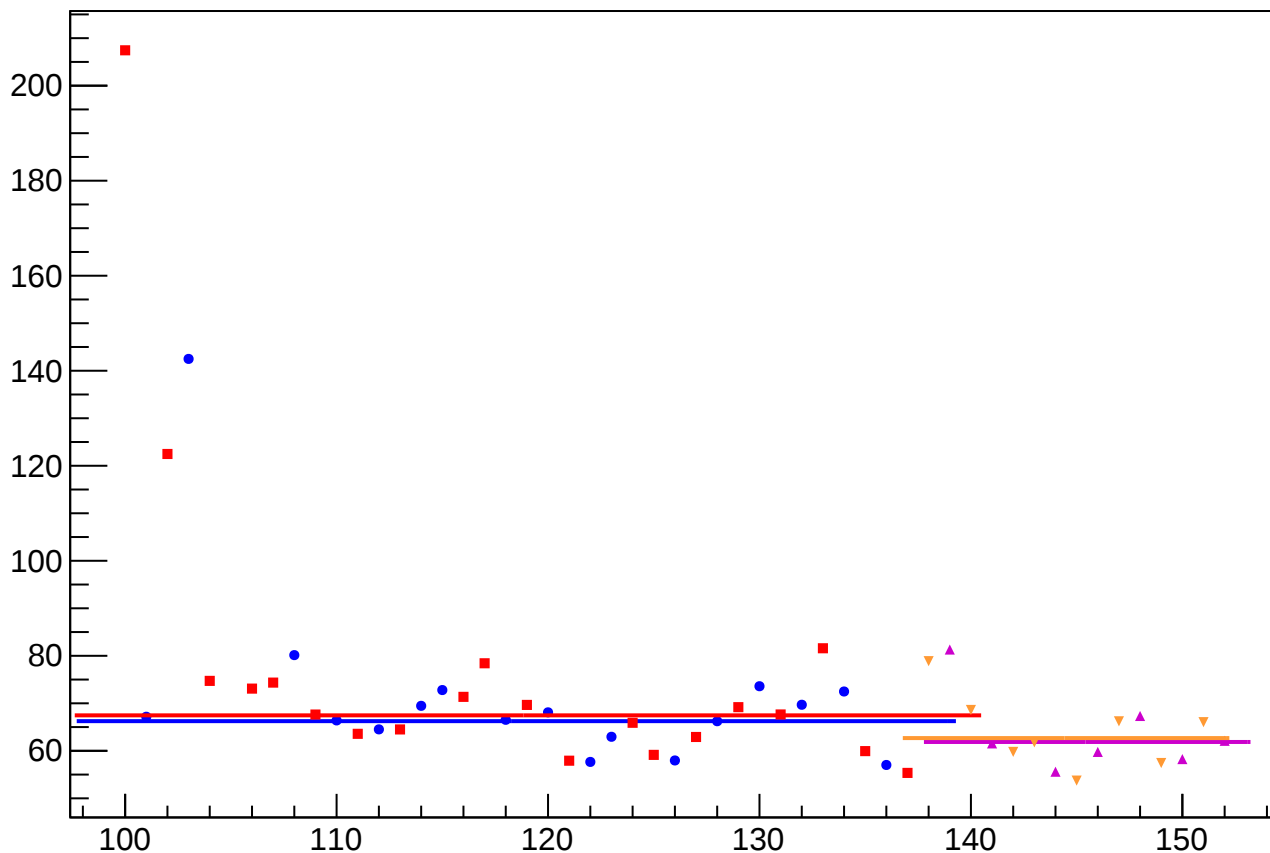
Left In: 59.172 $\pm$ 26.080 χ^2 /NDF: 4.7/6

51.261 $\pm$ 18.652 χ^2 /NDF: 26.1/24

54.395 $\pm$ 13.111 χ^2 /NDF: 50.7/51

57.456 $\pm$ 18.434 χ^2 /NDF: 24.5/26

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

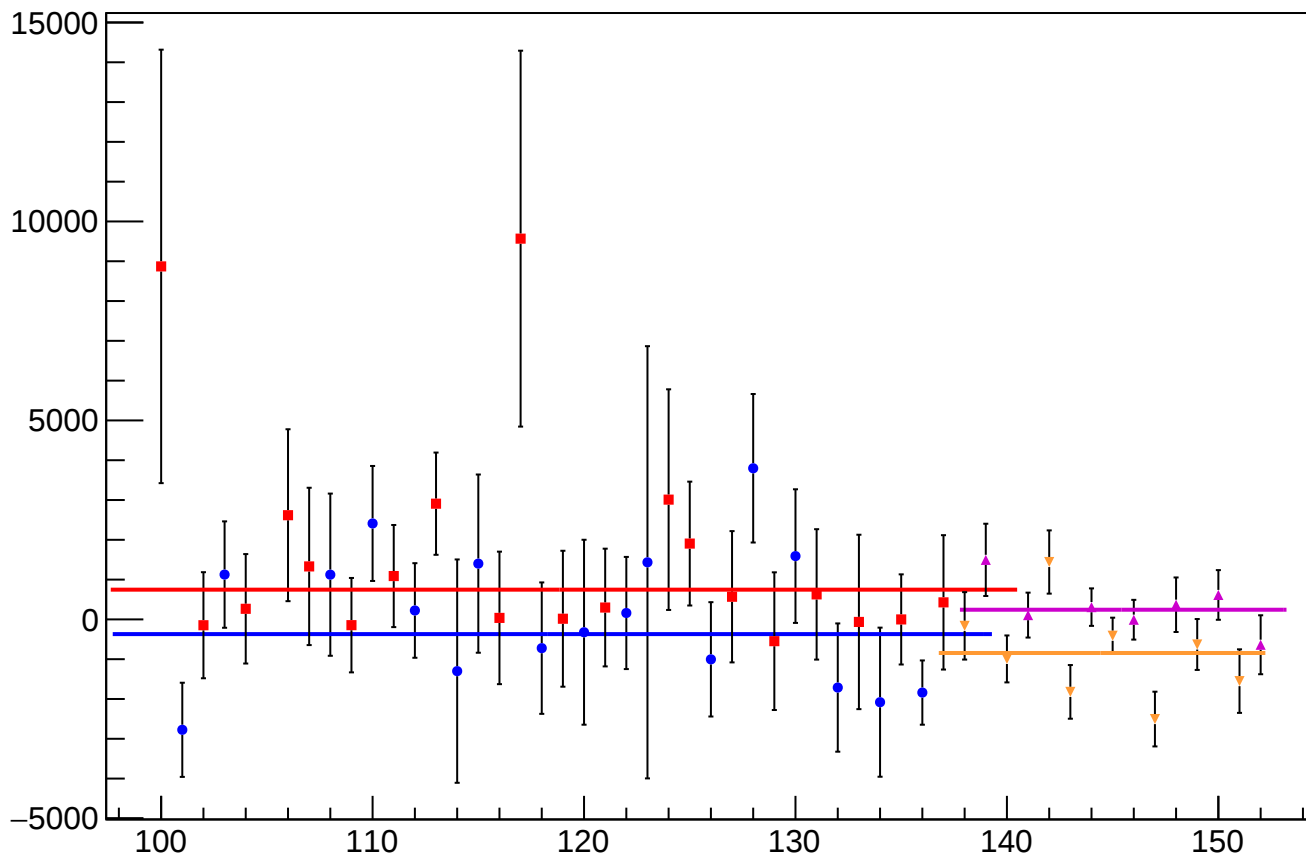
Left In: 61.864 ± 0.018 χ^2/NDF : 123146.4/6

64.471 ± 0.013 χ^2/NDF : 596491.8/24

64.570 ± 0.009 χ^2/NDF : 1161203.1/51

64.667 ± 0.013 χ^2/NDF : 564599.0/26

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

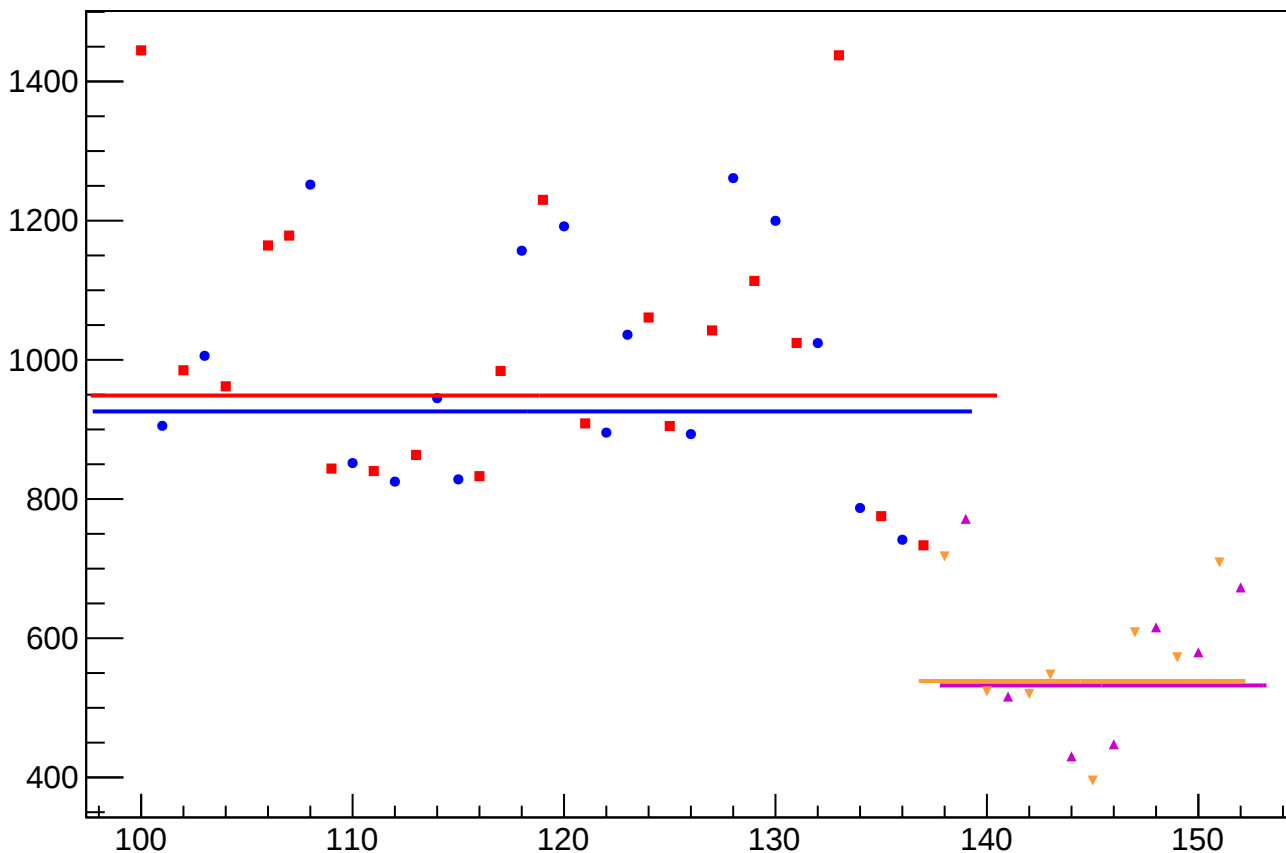
Left In: 242.991 $\pm$ 227.107 χ^2 /NDF:4.0/6

-710.649 $\pm$ 194.342 χ^2 /NDF: 42.2/24

-156.233 $\pm$ 136.659 χ^2 /NDF: 77.2/51

386.060 $\pm$ 192.205 χ^2 /NDF: 18.9/26

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

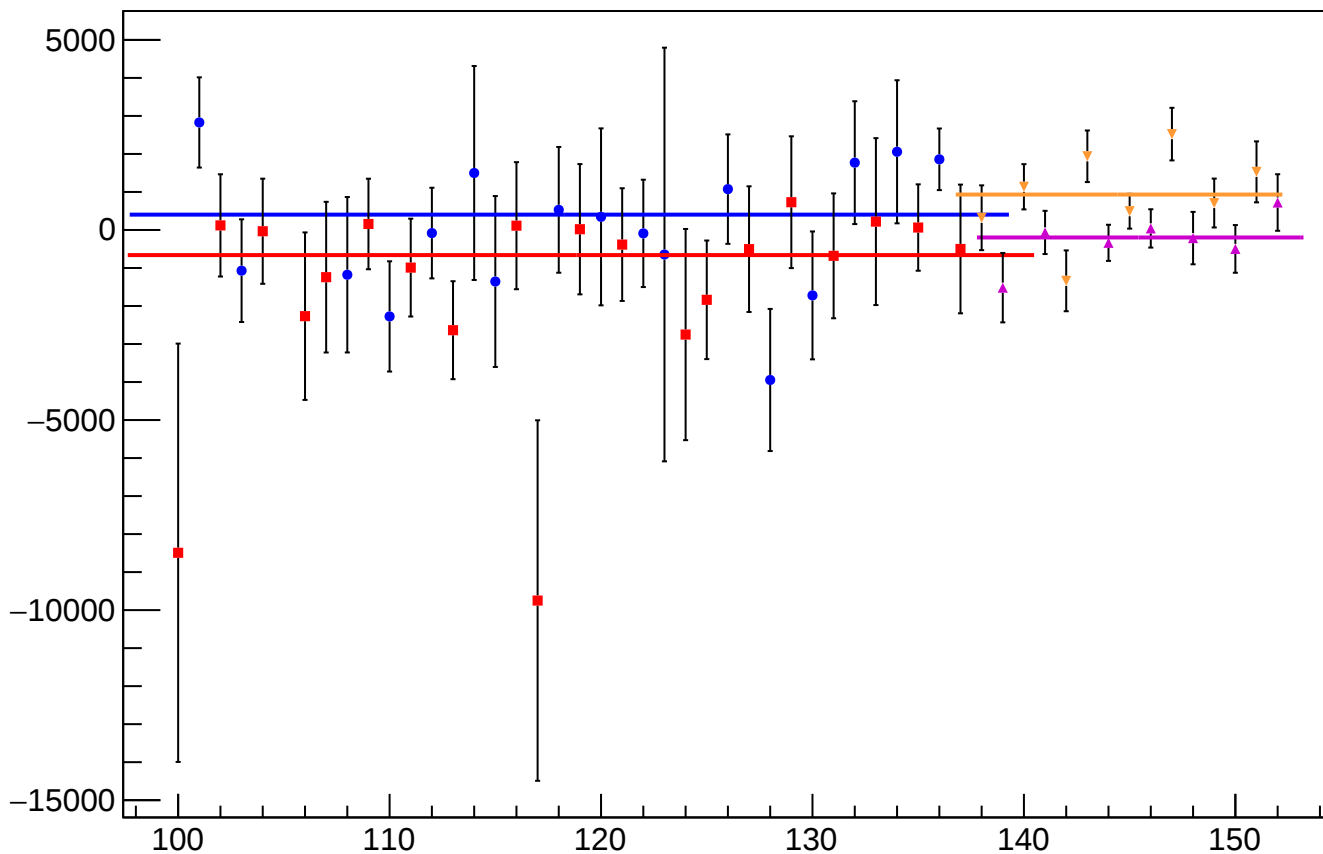
Left In: 532.159 $\pm$ 0.161 χ^2/NDF : 405125.7/6

647.521 $\pm$ 0.137 χ^2/NDF : 2404917.3/24

648.960 $\pm$ 0.097 χ^2/NDF : 5101860.9/51

650.367 $\pm$ 0.136 χ^2/NDF : 2696726.7/26

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

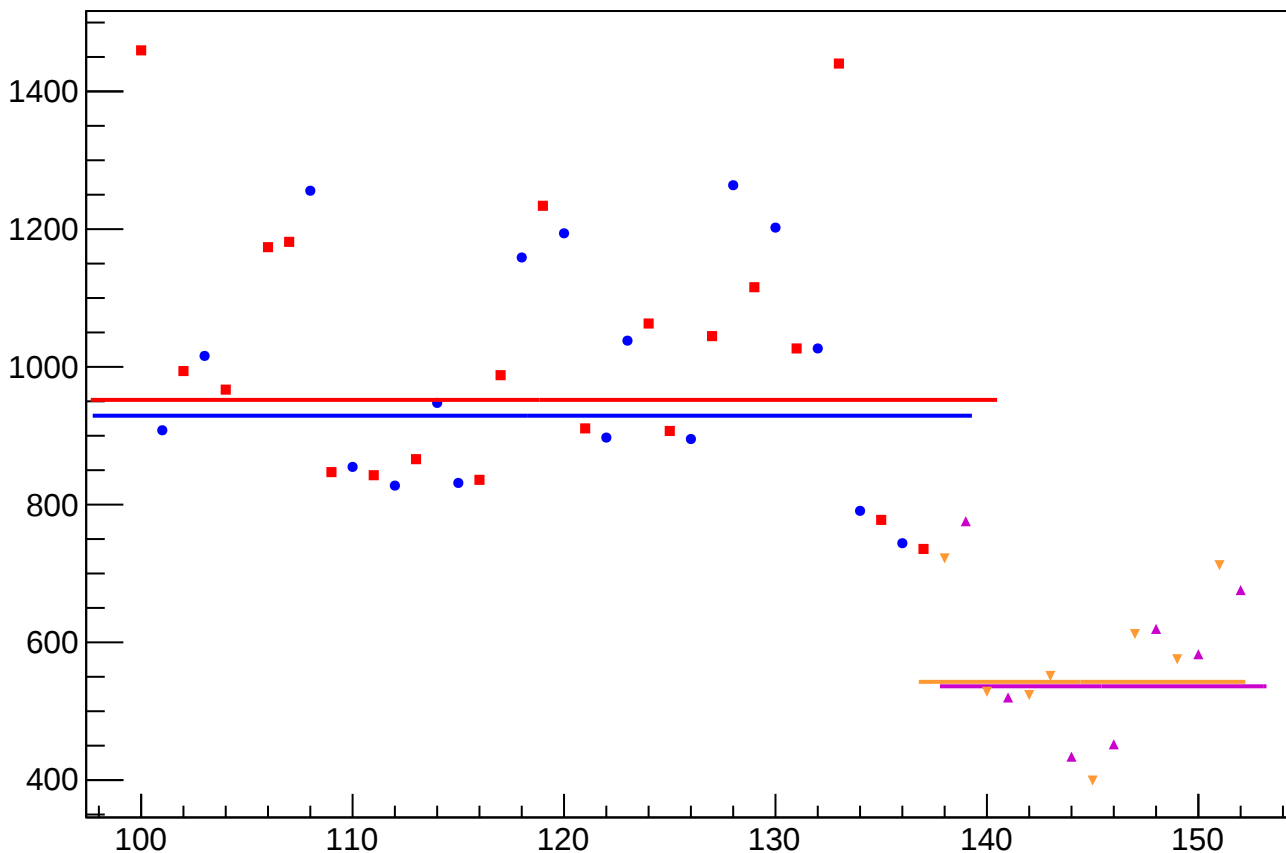
Left In: -197.088+/-228.752 χ^2/NDF :4.2/6

782.591+/-195.545 χ^2/NDF : 41.6/24

220.604+/-137.513 χ^2/NDF : 75.9/51

-329.227+/-193.419 χ^2/NDF : 17.9/26

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

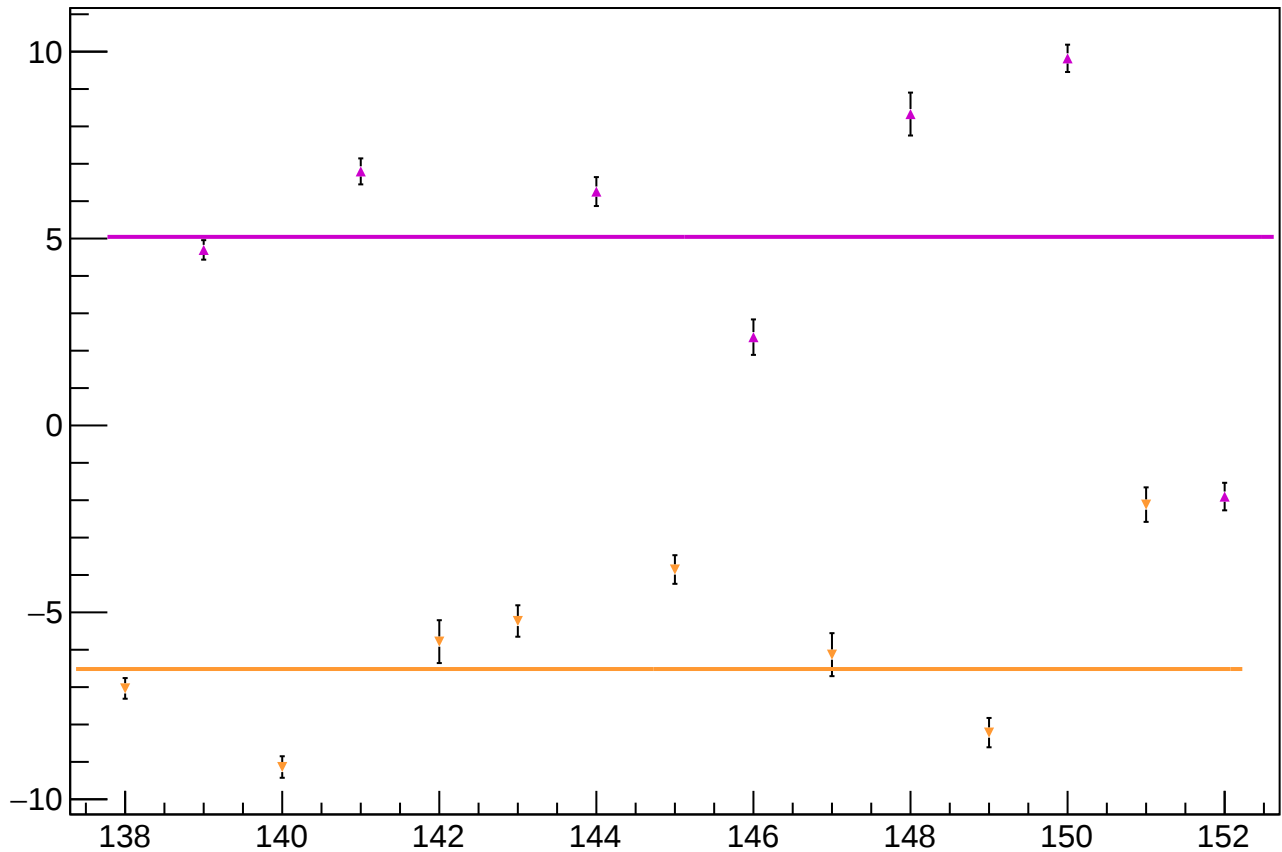
Left In: 536.189 $\pm$ 0.162 χ^2/NDF : 398575.8/6

651.958 $\pm$ 0.138 χ^2/NDF : 2375866.8/24

653.364 $\pm$ 0.097 χ^2/NDF : 5041301.2/51

654.738 $\pm$ 0.137 χ^2/NDF : 2665230.1/26

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -6.516+/-0.135 χ^2/NDF : 255.6/7

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

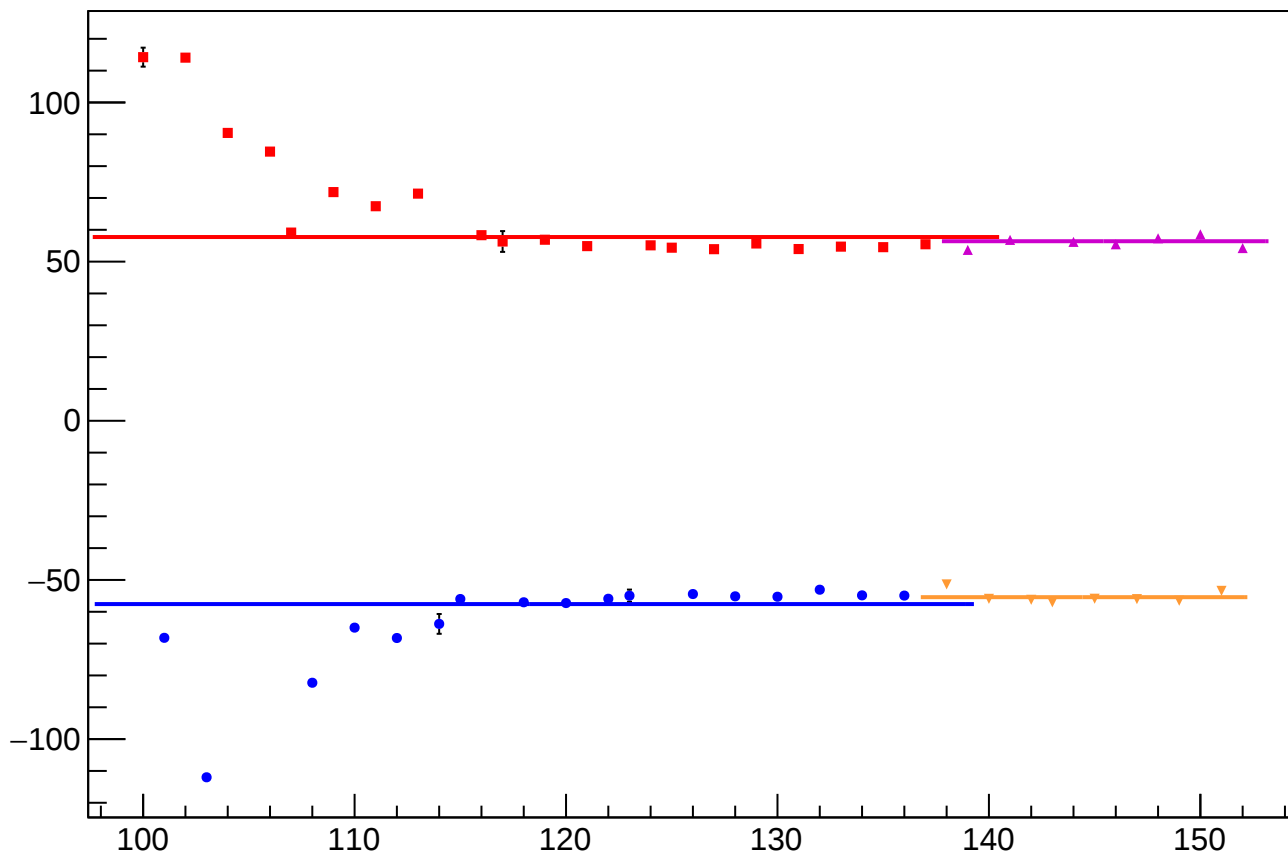
Left In: 5.045+/-0.139 χ^2/NDF : 627.9/6

-6.516+/-0.135 χ^2/NDF : 255.6/7

-0.890+/-0.097 χ^2/NDF : 4450.4/14

5.045+/-0.139 χ^2/NDF : 627.9/6

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

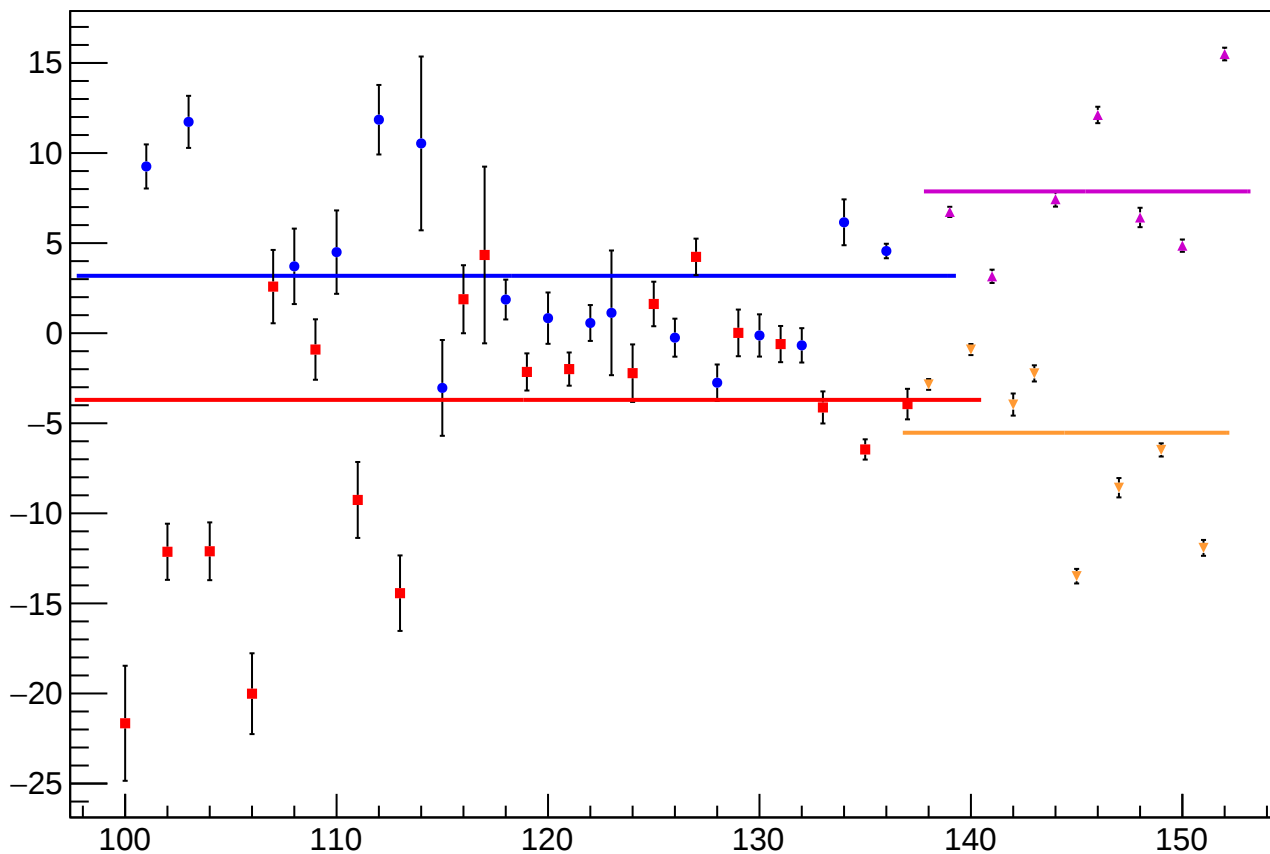
Left In: 56.412 ± 0.108 χ^2/NDF : 193.3/6

-56.139 ± 0.083 χ^2/NDF : 3880.4/24

-1.985 ± 0.060 χ^2/NDF : 901738.5/51

56.893 ± 0.086 χ^2/NDF : 4946.0/26

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

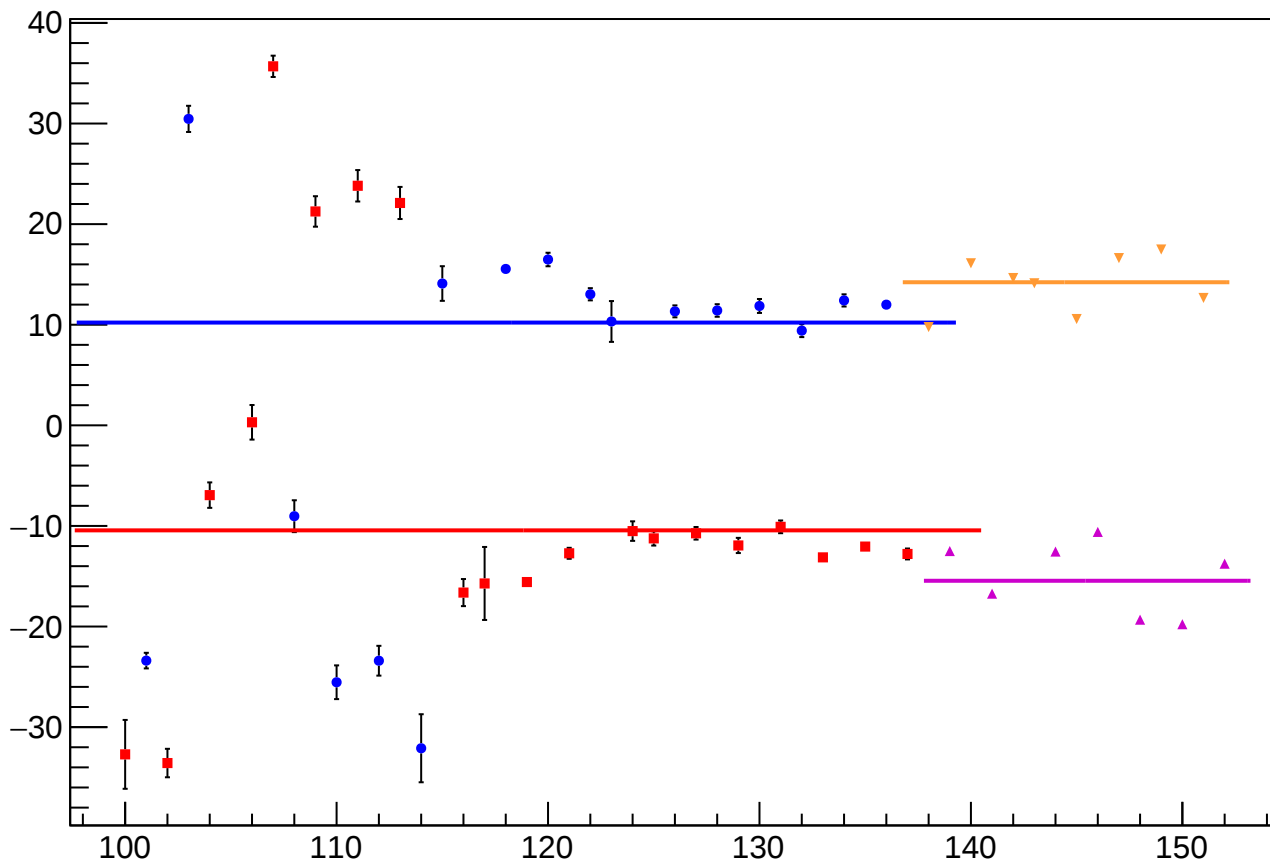
Left In: 7.870 ± 0.141 χ^2/NDF : 819.9/6

-3.570 ± 0.123 χ^2/NDF : 2066.2/24

0.832 ± 0.087 χ^2/NDF : 7290.0/51

5.358 ± 0.124 χ^2/NDF : 2615.8/26

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

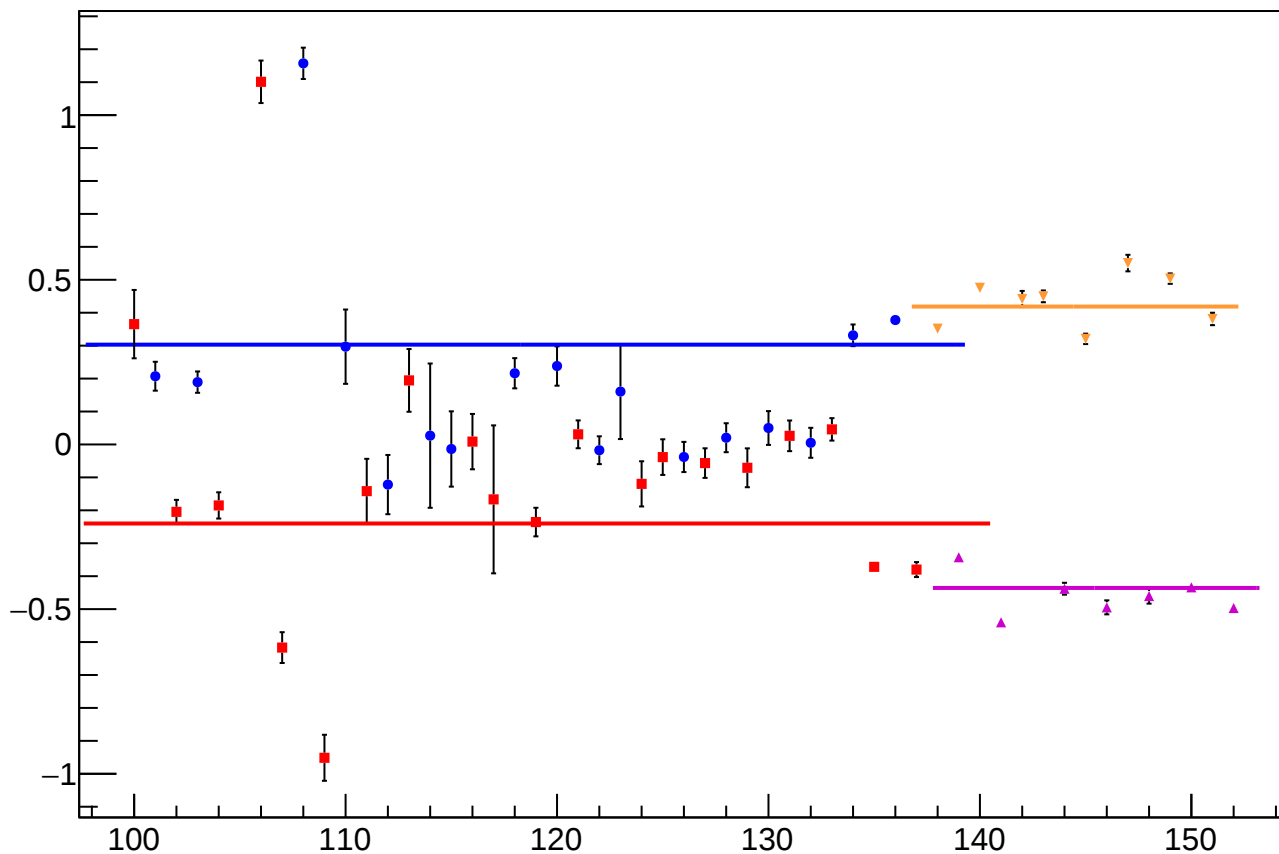
Left In: -15.451+/-0.129 χ^2 /NDF: 651.4/6

12.716+/-0.097 χ^2 /NDF: 4569.2/24

0.075+/-0.070 χ^2 /NDF: 44870.2/51

-13.476+/-0.100 χ^2 /NDF: 5075.7/26

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.303 ± 0.008 χ^2/NDF : 646.3/16

Left Out: 0.419 ± 0.006 χ^2/NDF : 154.5/7

Right Out: -0.240 ± 0.009 χ^2/NDF : 984.5/19

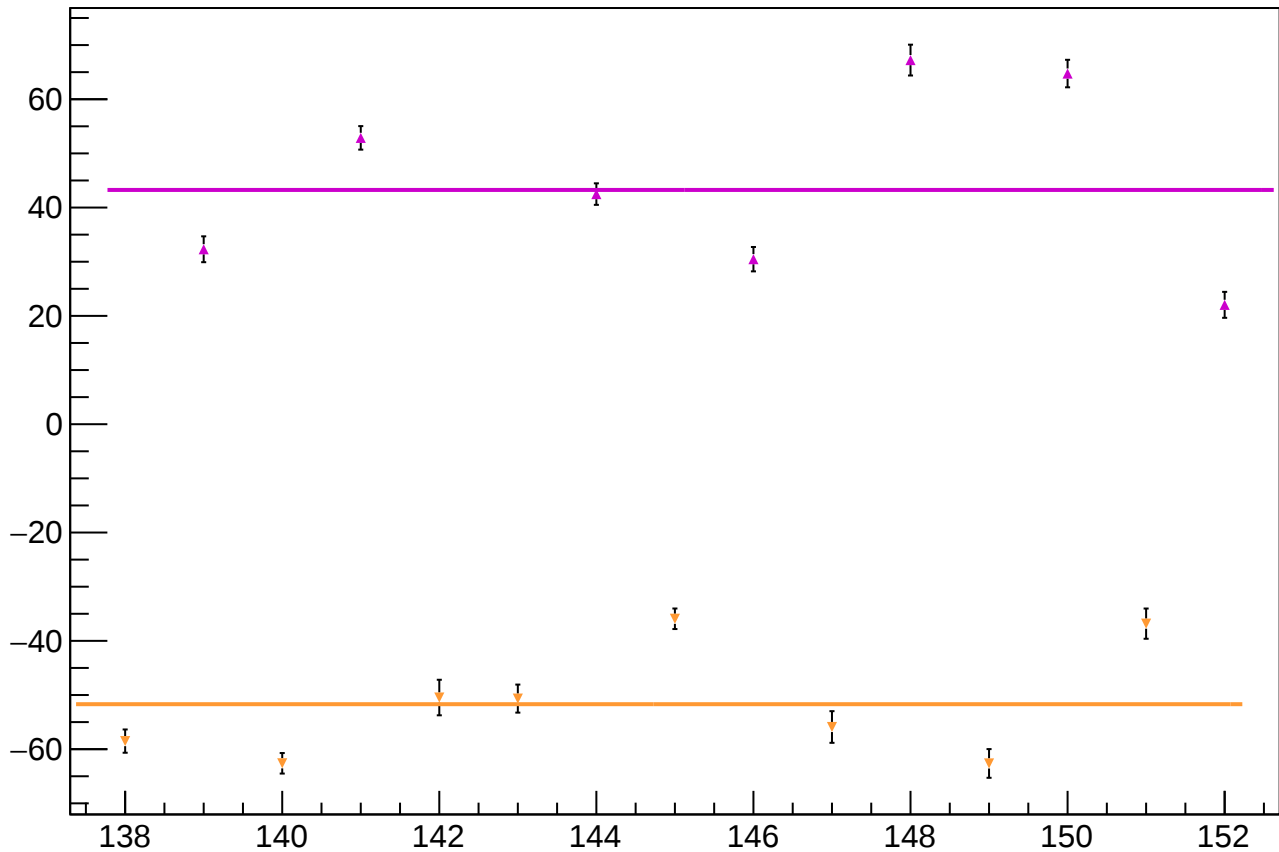
Left In: -0.436 ± 0.006 χ^2/NDF : 164.8/6

0.381 ± 0.005 χ^2/NDF : 933.8/24

0.001 ± 0.003 χ^2/NDF : 15422.4/51

-0.376 ± 0.005 χ^2/NDF : 1516.8/26

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

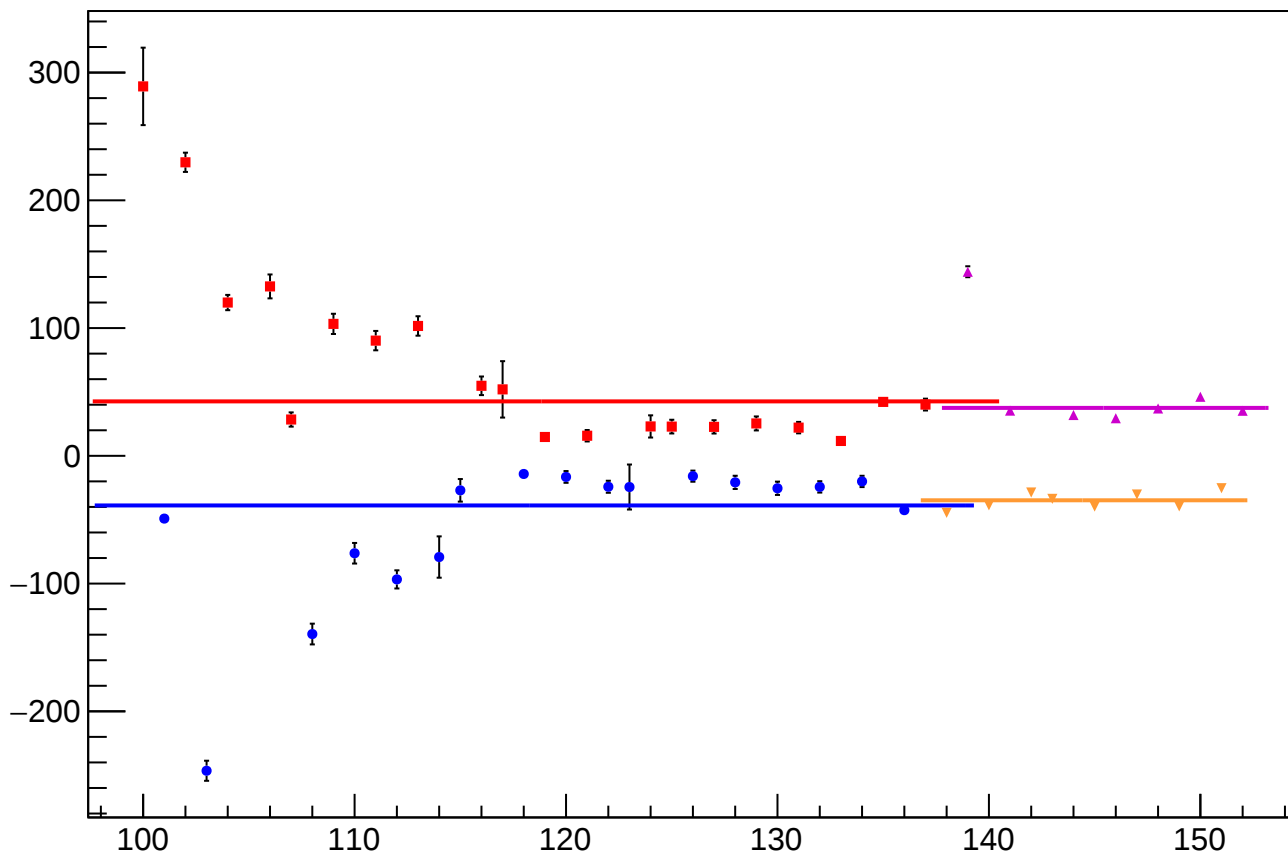
Left In: 43.253+/-0.880 χ^2/NDF : 294.0/6

-51.693+/-0.844 χ^2/NDF : 160.2/7

-6.197+/-0.609 χ^2/NDF : 6515.3/14

43.253+/-0.880 χ^2/NDF : 294.0/6

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

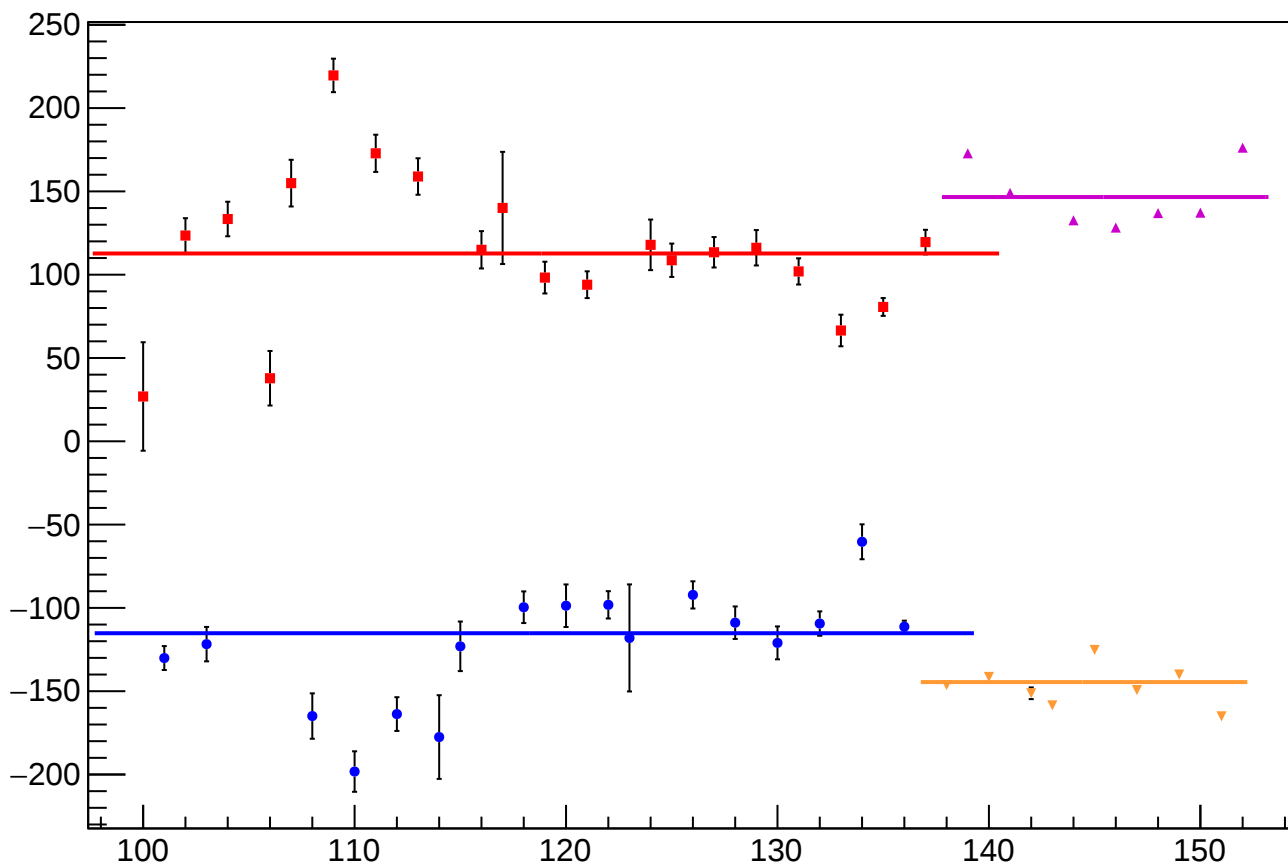
Left In: 37.516 ± 0.613 χ^2/NDF : 698.5/6

-35.655 ± 0.526 χ^2/NDF : 1231.0/24

0.014 ± 0.379 χ^2/NDF : 12852.6/51

38.561 ± 0.547 χ^2/NDF : 2058.5/26

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -115.199+/-2.081 χ^2/NDF : 140.8/16

Left Out: -144.522+/-0.869 χ^2/NDF :189.3/7

Right Out: 112.729+/-2.205 χ^2/NDF : 273.1/19

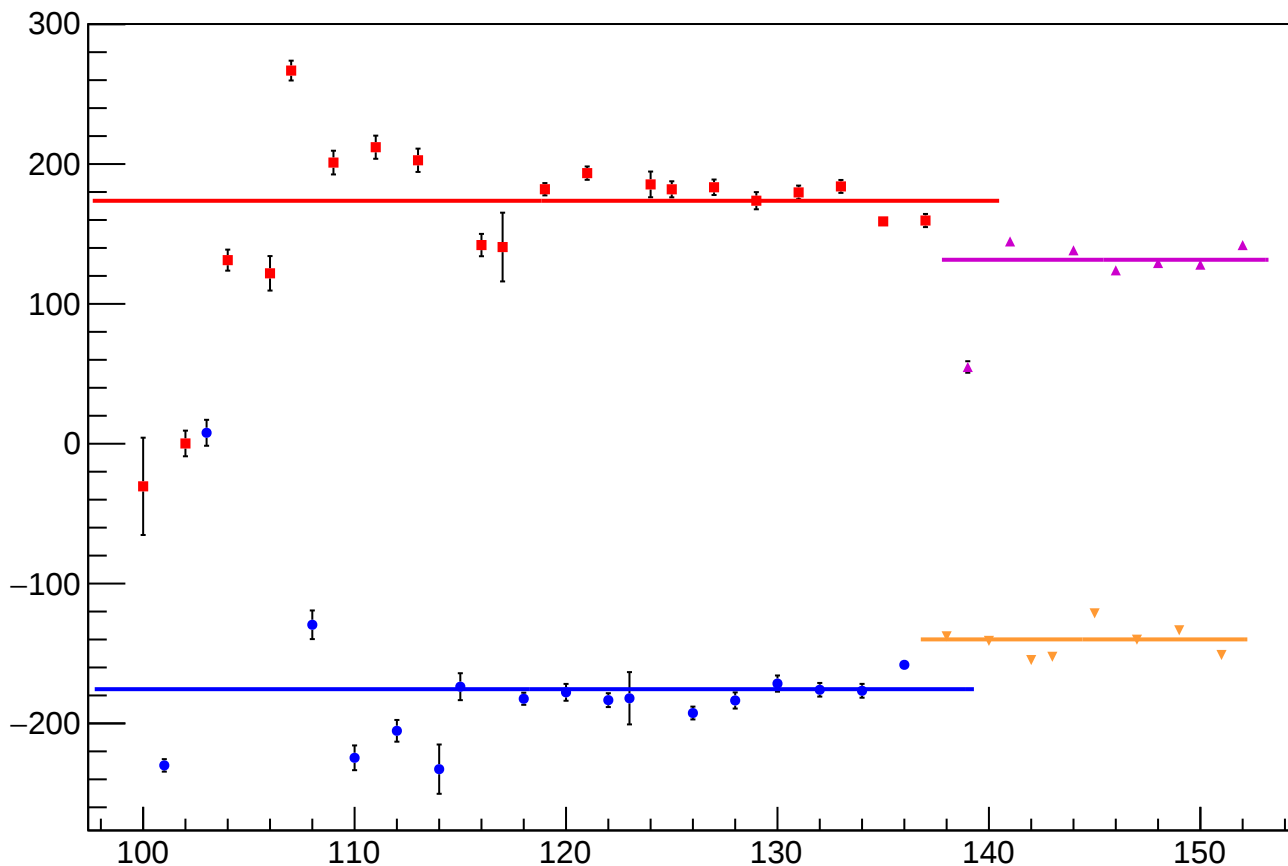
Left In: 146.607+/-0.884 χ^2/NDF :414.8/6

-140.170+/-0.802 χ^2/NDF : 499.0/24

-2.334+/-0.573 χ^2/NDF : 61868.8/51

141.917+/-0.820 χ^2/NDF : 891.3/26

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

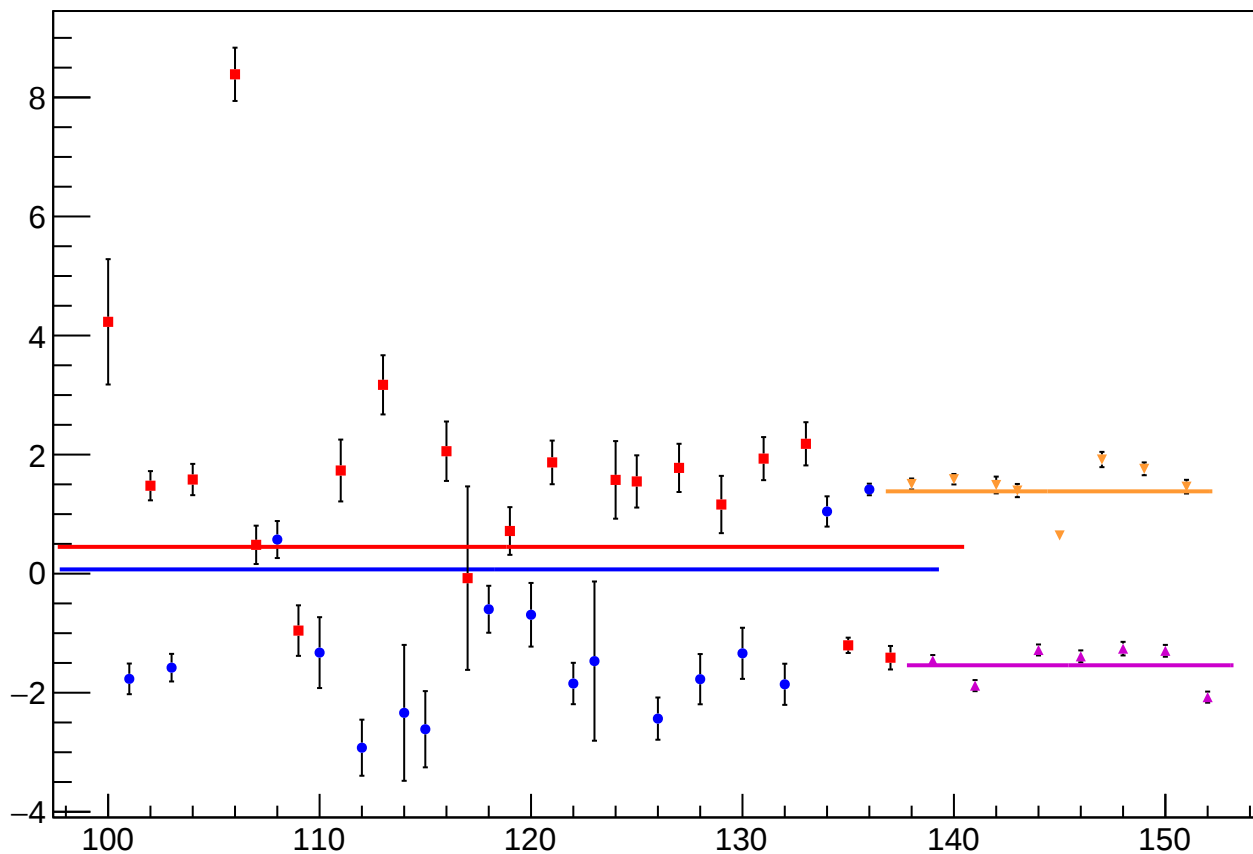
Left In: 131.550+/-0.751 χ^2 /NDF: 460.0/6

-148.653+/-0.632 χ^2 /NDF: 1497.3/24

-9.134+/-0.456 χ^2 /NDF: 104654.6/51

141.476+/-0.657 χ^2 /NDF: 1941.2/26

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.072 $\pm$ 0.067 χ^2/NDF : 525.2/16

Left Out: 1.383 $\pm$ 0.036 χ^2/NDF : 125.7/7

Right Out: 0.450 $\pm$ 0.071 χ^2/NDF : 751.4/19

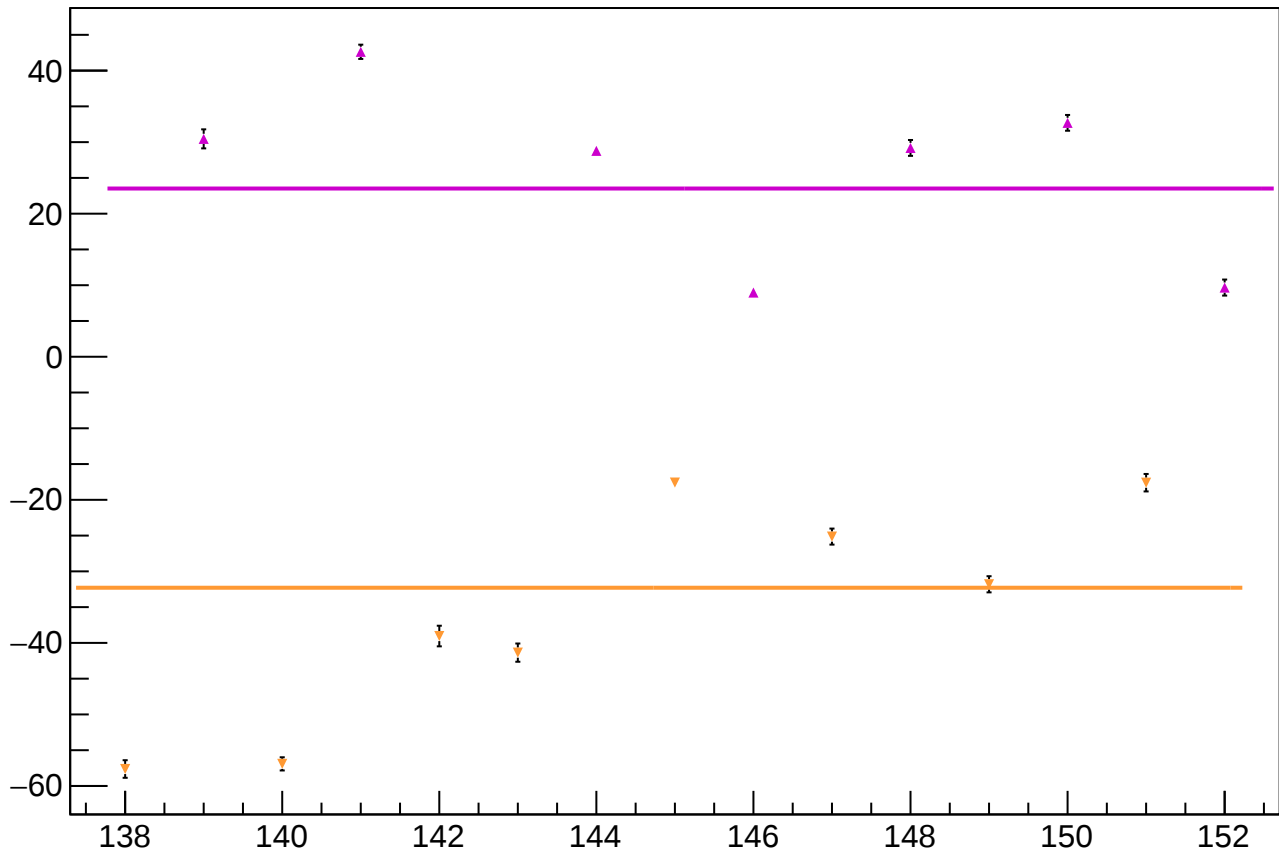
Left In: -1.539 $\pm$ 0.037 χ^2/NDF : 69.1/6

1.087 $\pm$ 0.032 χ^2/NDF : 946.0/24

0.005 $\pm$ 0.023 χ^2/NDF : 4731.4/51

-1.123 $\pm$ 0.033 χ^2/NDF : 1436.9/26

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

-32.289+/-0.358 χ^2/NDF : 1962.5/7

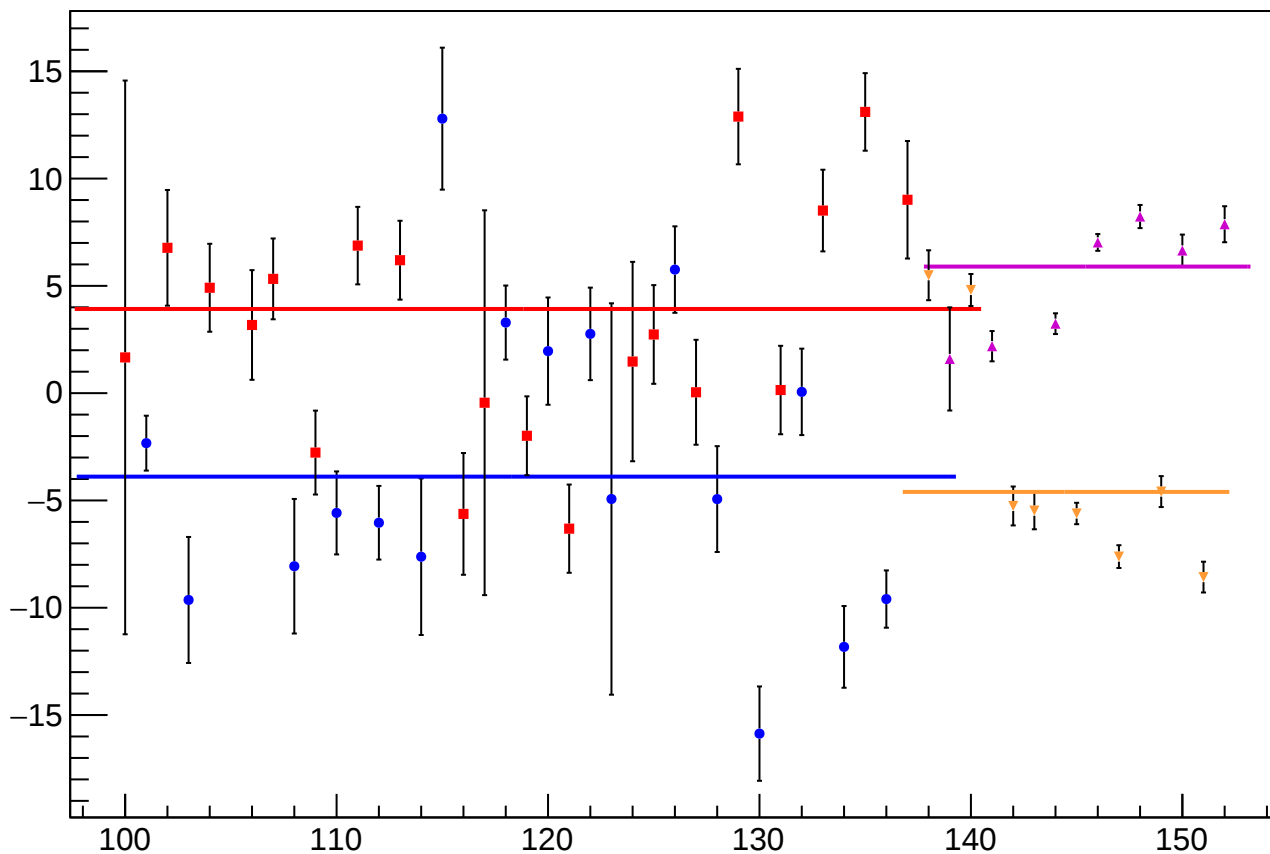
-3.012+/-0.247 χ^2/NDF : 15944.3/14

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

23.516+/-0.341 χ^2/NDF : 1220.5/6

Left In: 23.516+/-0.341 χ^2/NDF : 1220.5/6

reg_asym_sam3_diff_bpm4aY_slope vs Slug, 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

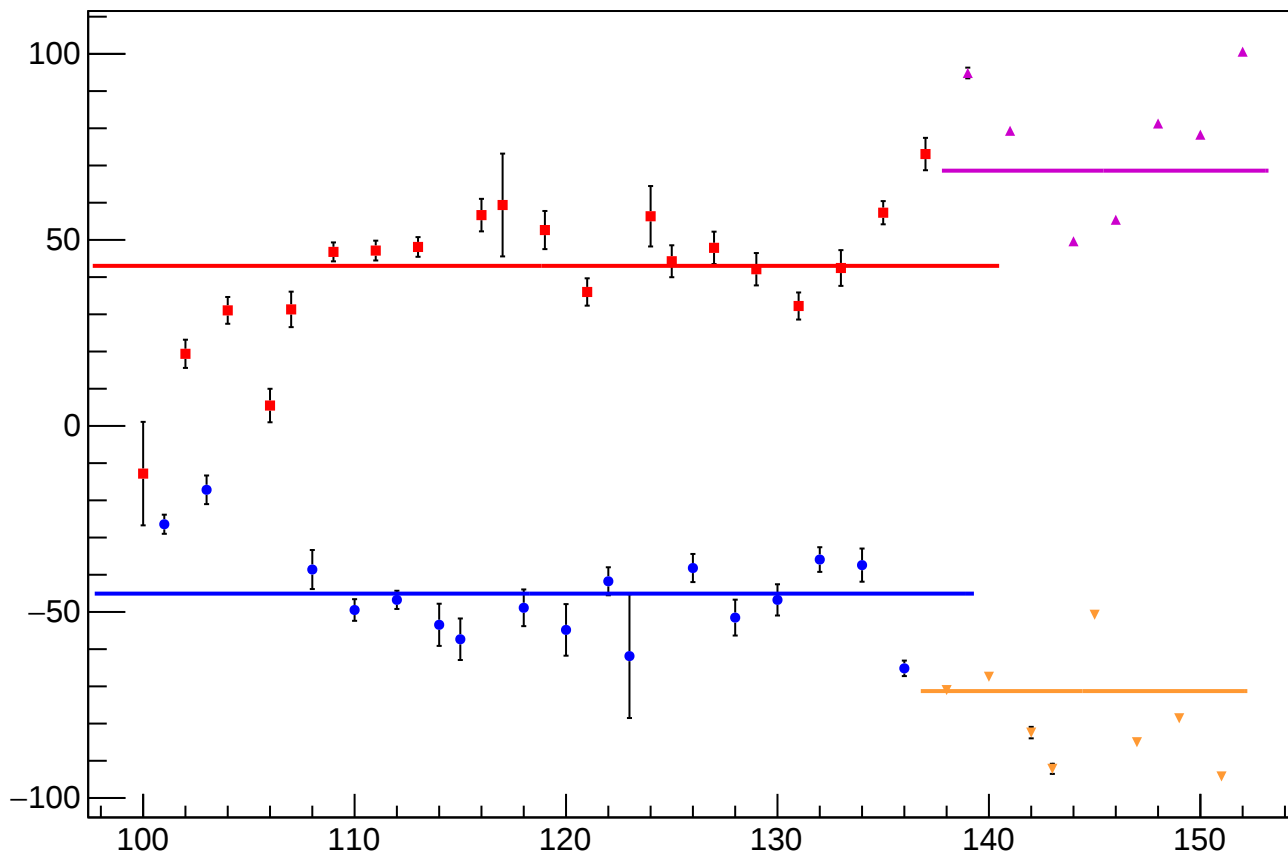
Left In: 5.898 ± 0.225 χ^2/NDF : 94.7/6

-4.462 ± 0.221 χ^2/NDF : 465.2/24

0.903 ± 0.151 χ^2/NDF : 1800.7/51

5.571 ± 0.206 χ^2/NDF : 229.8/26

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

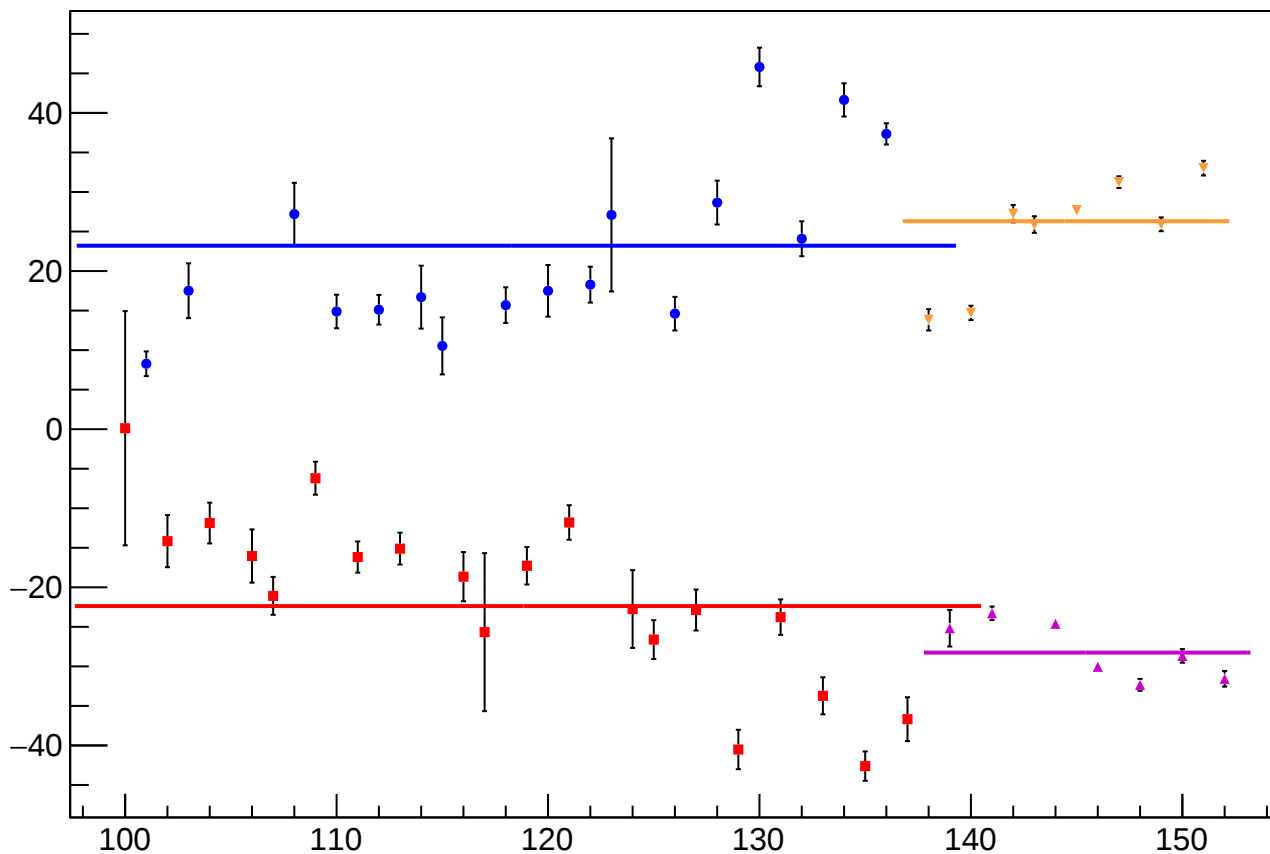
Left In: 68.611 ± 0.340 χ^2/NDF : 2702.5/6

-67.413 ± 0.339 χ^2/NDF : 2869.2/24

3.332 ± 0.231 χ^2/NDF : 88335.1/51

65.262 ± 0.317 χ^2/NDF : 3693.5/26

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.205 $\pm$ 0.559 χ^2 /NDF: 457.3/16

Left Out: 26.310 $\pm$ 0.303 χ^2 /NDF: 355.0/7

Right Out: -22.372 $\pm$ 0.572 χ^2 /NDF: 367.0/19

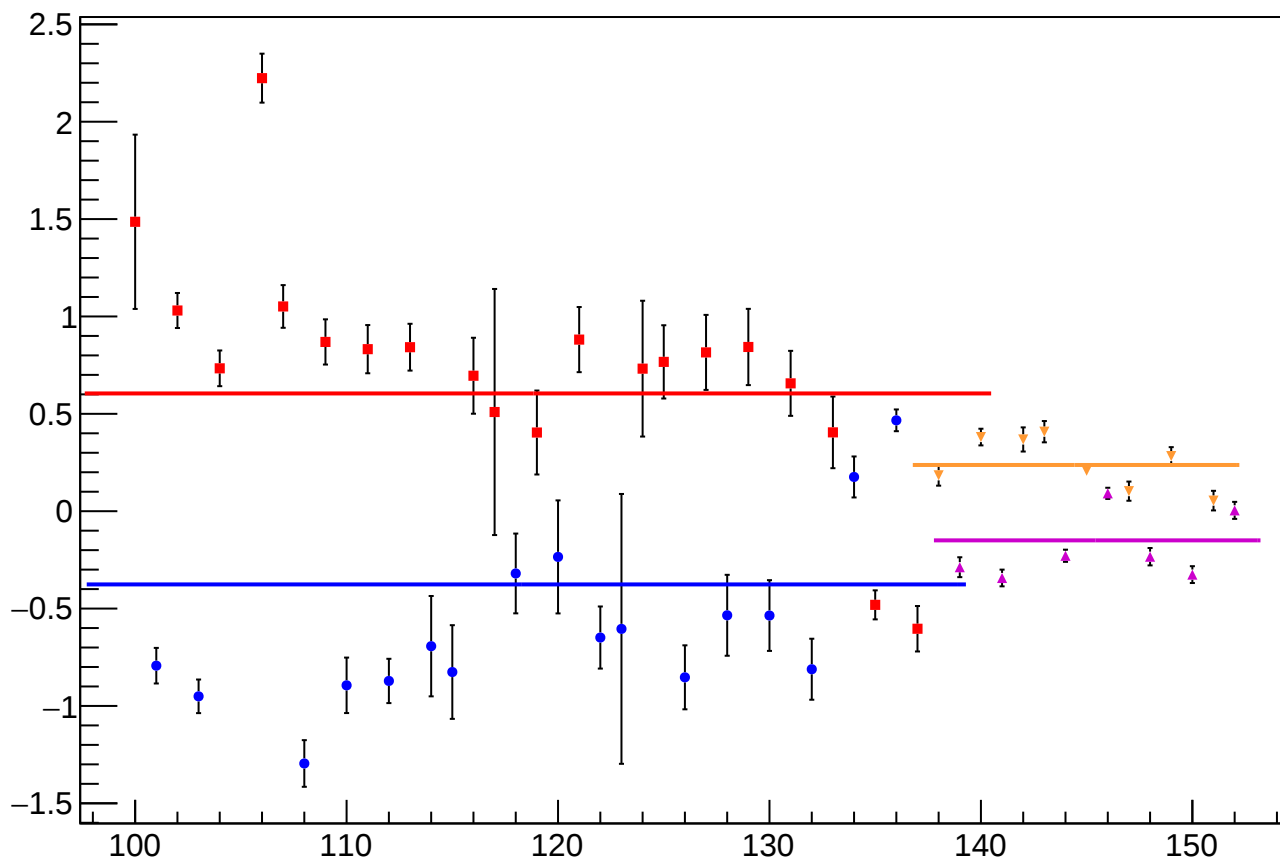
Left In: -28.256 $\pm$ 0.279 χ^2 /NDF: 129.8/6

25.602 $\pm$ 0.267 χ^2 /NDF: 836.1/24

-2.345 $\pm$ 0.183 χ^2 /NDF: 22142.0/51

-27.120 $\pm$ 0.251 χ^2 /NDF: 582.3/26

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 $\chi^2/\text{NDF}: 551.2/19$

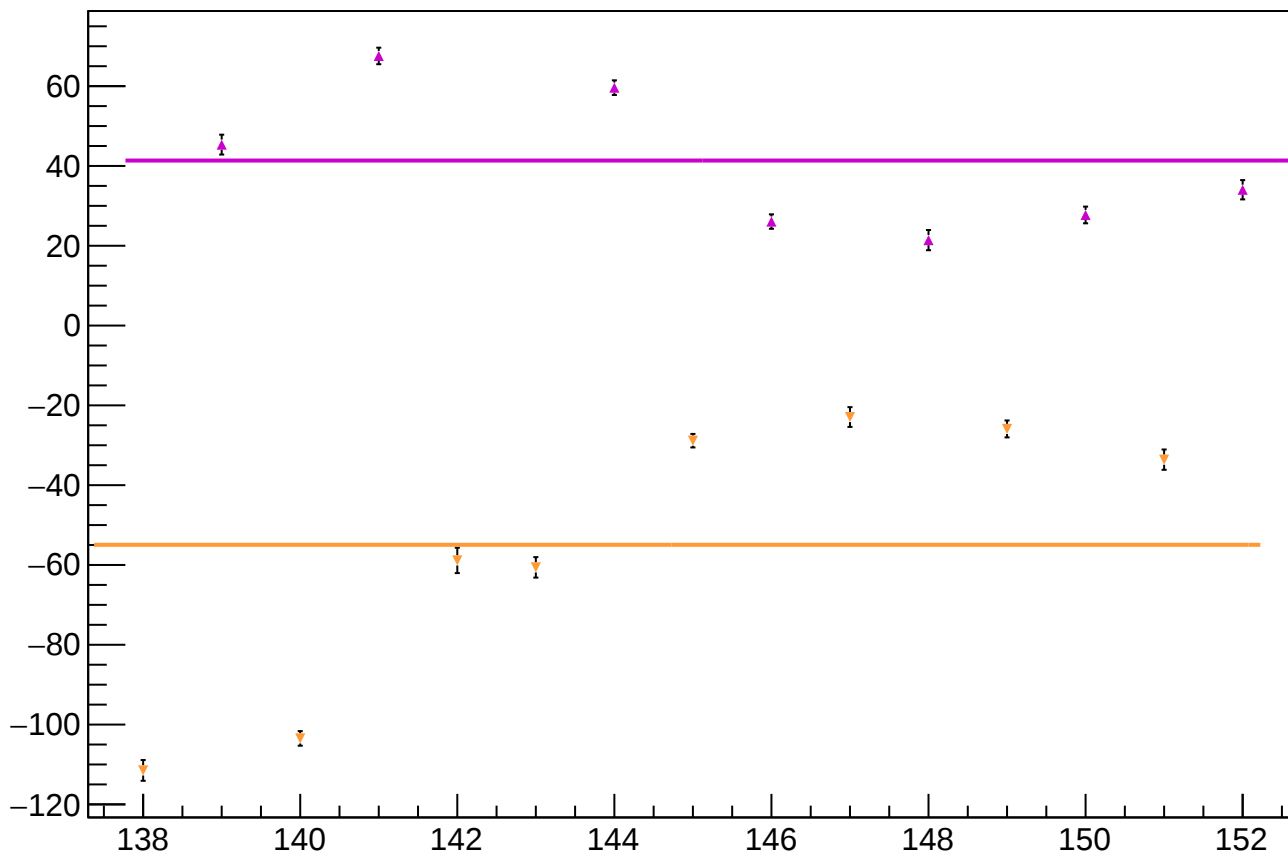
Left In: -0.150 ± 0.015 $\chi^2/\text{NDF}: 137.4/6$

0.112 ± 0.014 $\chi^2/\text{NDF}: 816.5/24$

0.050 ± 0.009 $\chi^2/\text{NDF}: 2051.9/51$

-0.008 ± 0.013 $\chi^2/\text{NDF}: 1195.4/26$

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

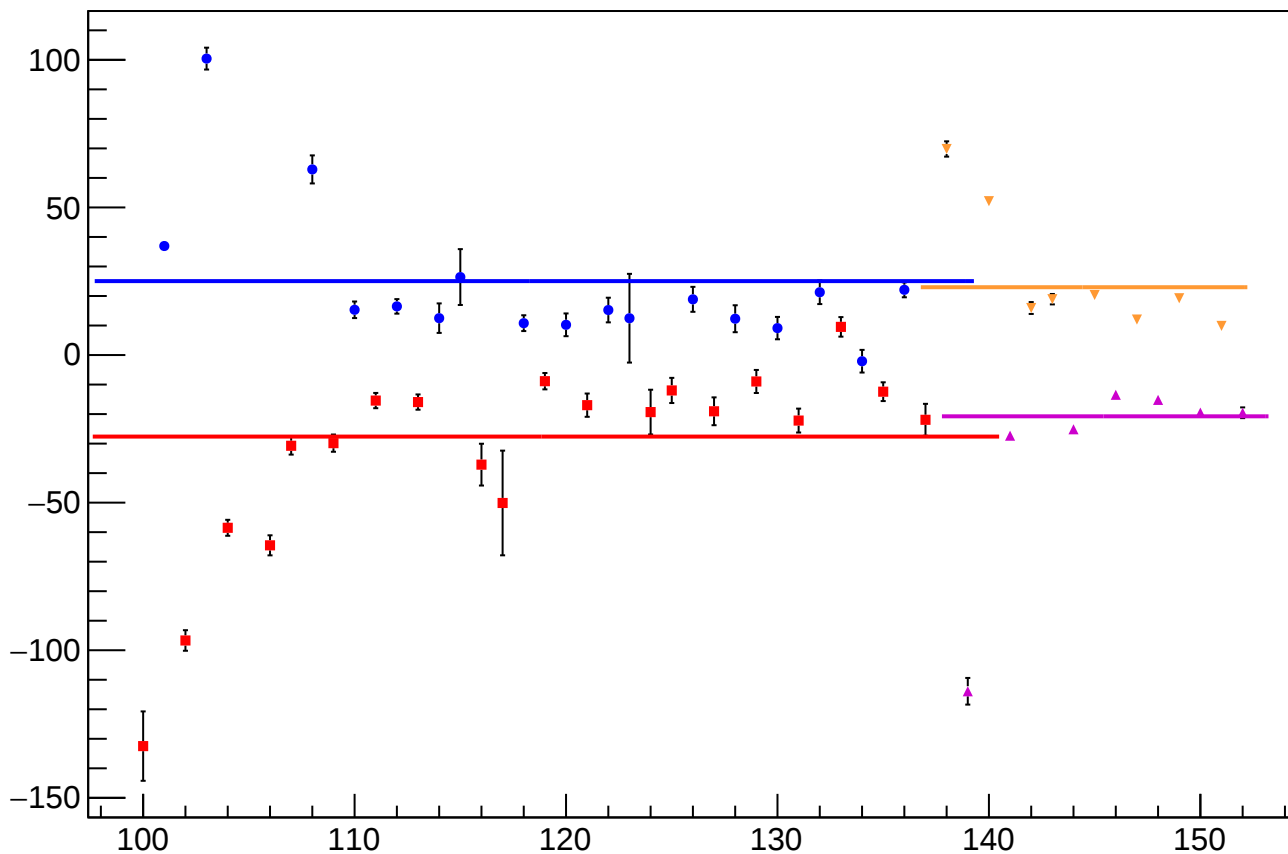
Left In: 41.357+/-0.803 χ^2/NDF : 445.9/6

-54.946+/-0.795 χ^2/NDF : 1839.8/7

-7.310+/-0.565 χ^2/NDF : 9546.1/14

41.357+/-0.803 χ^2/NDF : 445.9/6

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

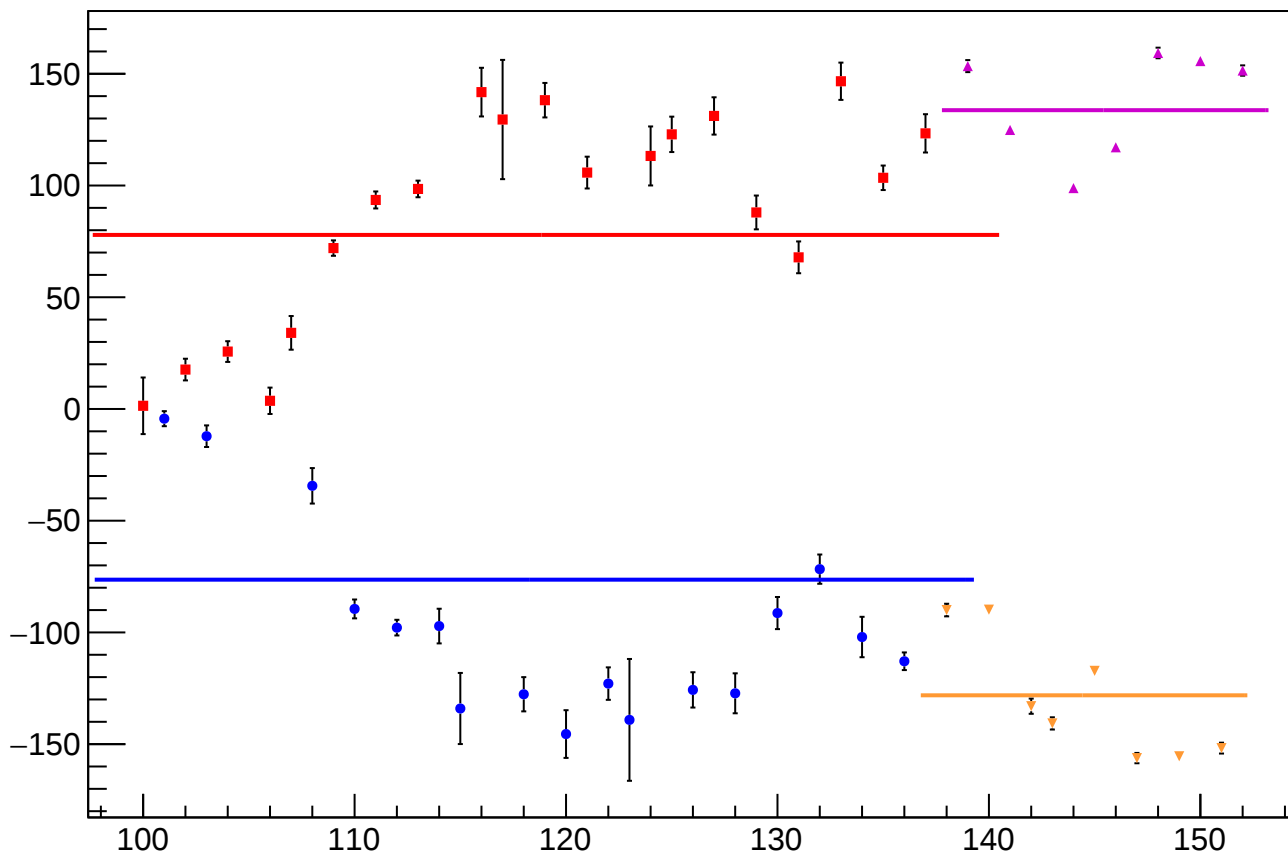
Left In: -20.756 ± 0.552 χ^2/NDF : 517.6/6

23.624 ± 0.452 χ^2/NDF : 1584.4/24

0.547 ± 0.321 χ^2/NDF : 8429.2/51

-22.934 ± 0.456 χ^2/NDF : 1581.1/26

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.392 ± 1.416 χ^2/NDF : 1031.9/16

Left Out: -128.142 ± 0.809 χ^2/NDF : 1059.3/7

Right Out: 77.894 ± 1.351 χ^2/NDF : 876.4/19

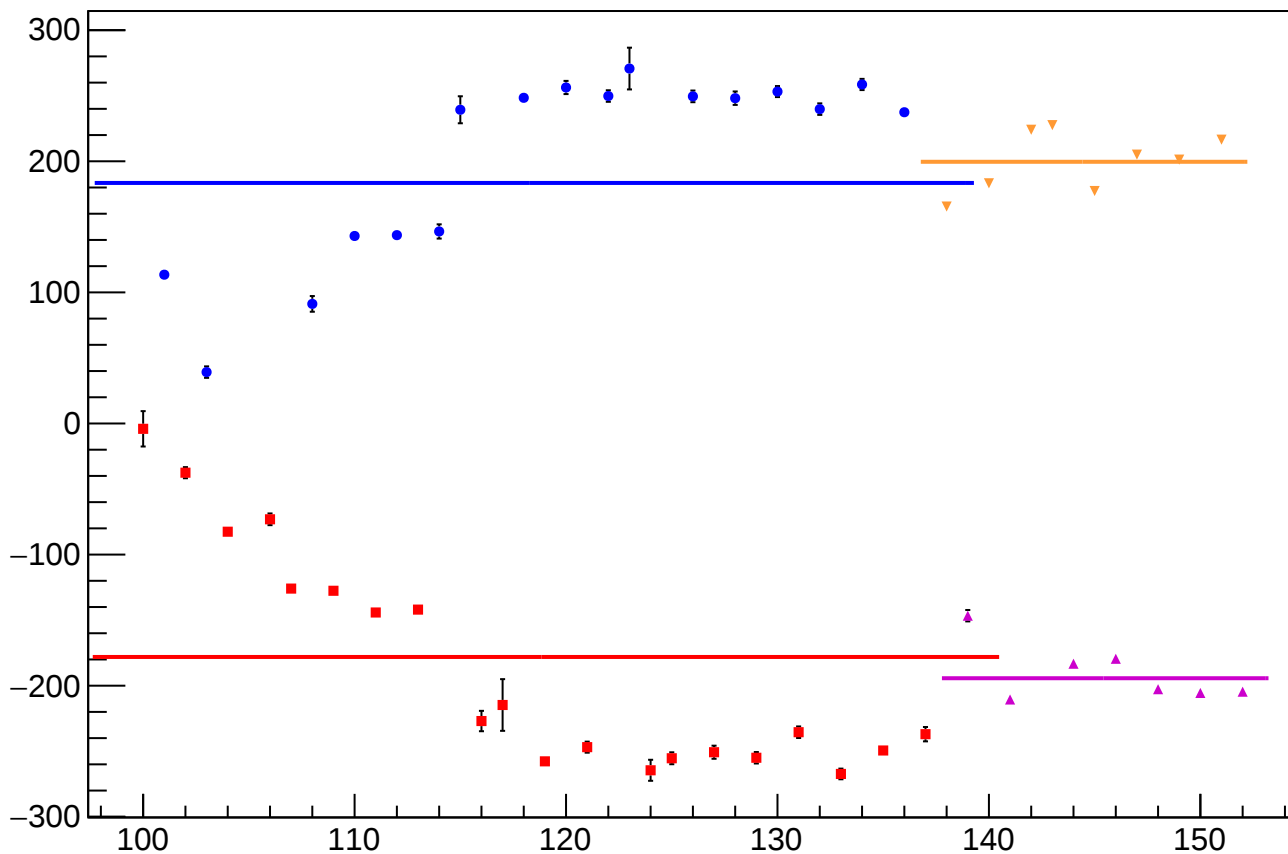
Left In: 133.719 ± 0.802 χ^2/NDF : 774.9/6

-115.412 ± 0.702 χ^2/NDF : 3098.0/24

4.071 ± 0.492 χ^2/NDF : 62822.8/51

119.182 ± 0.689 χ^2/NDF : 2914.0/26

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

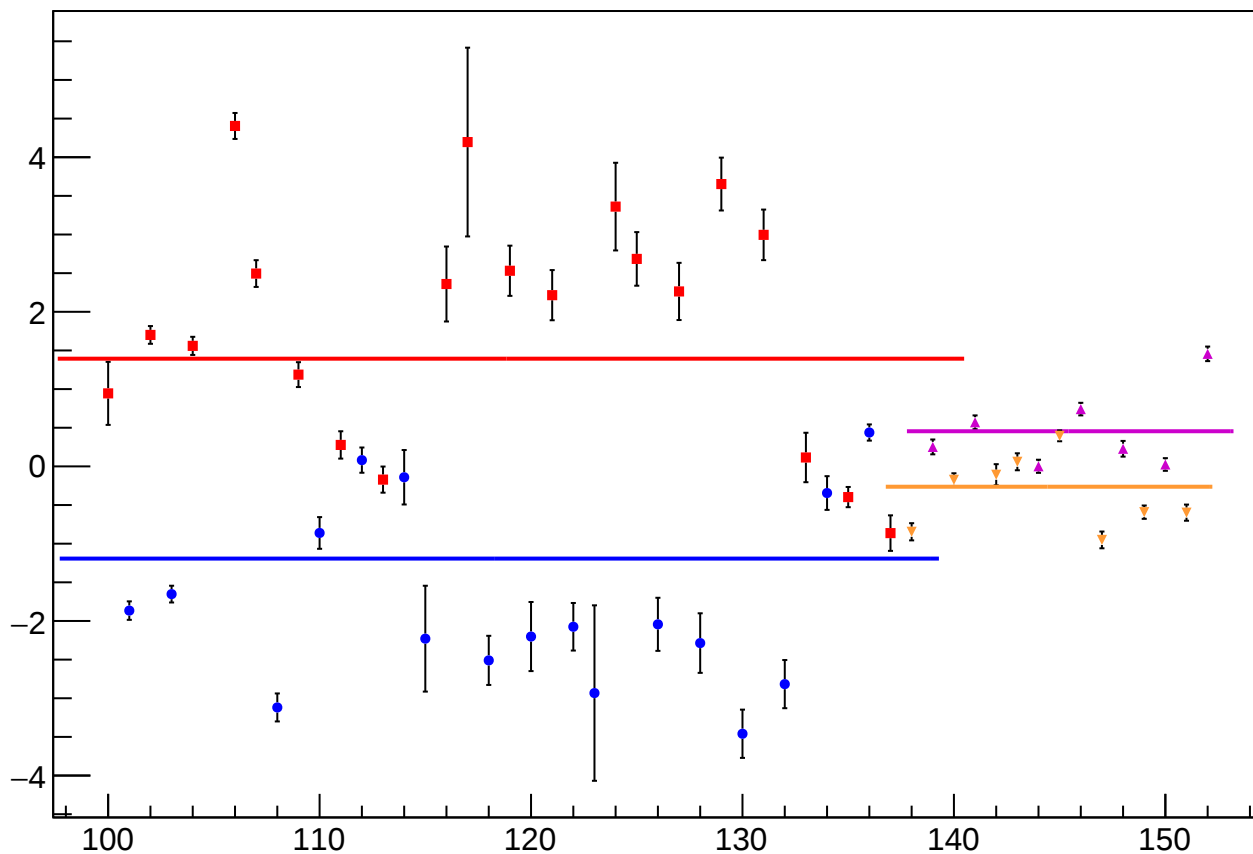
Left In: -194.314 $\pm$ 0.675 χ^2 /NDF: 454.6/6

193.987 $\pm$ 0.543 χ^2 /NDF: 6302.2/24

3.514 $\pm$ 0.384 χ^2 /NDF: 260902.8/51

-188.657 $\pm$ 0.545 χ^2 /NDF: 7005.0/26

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

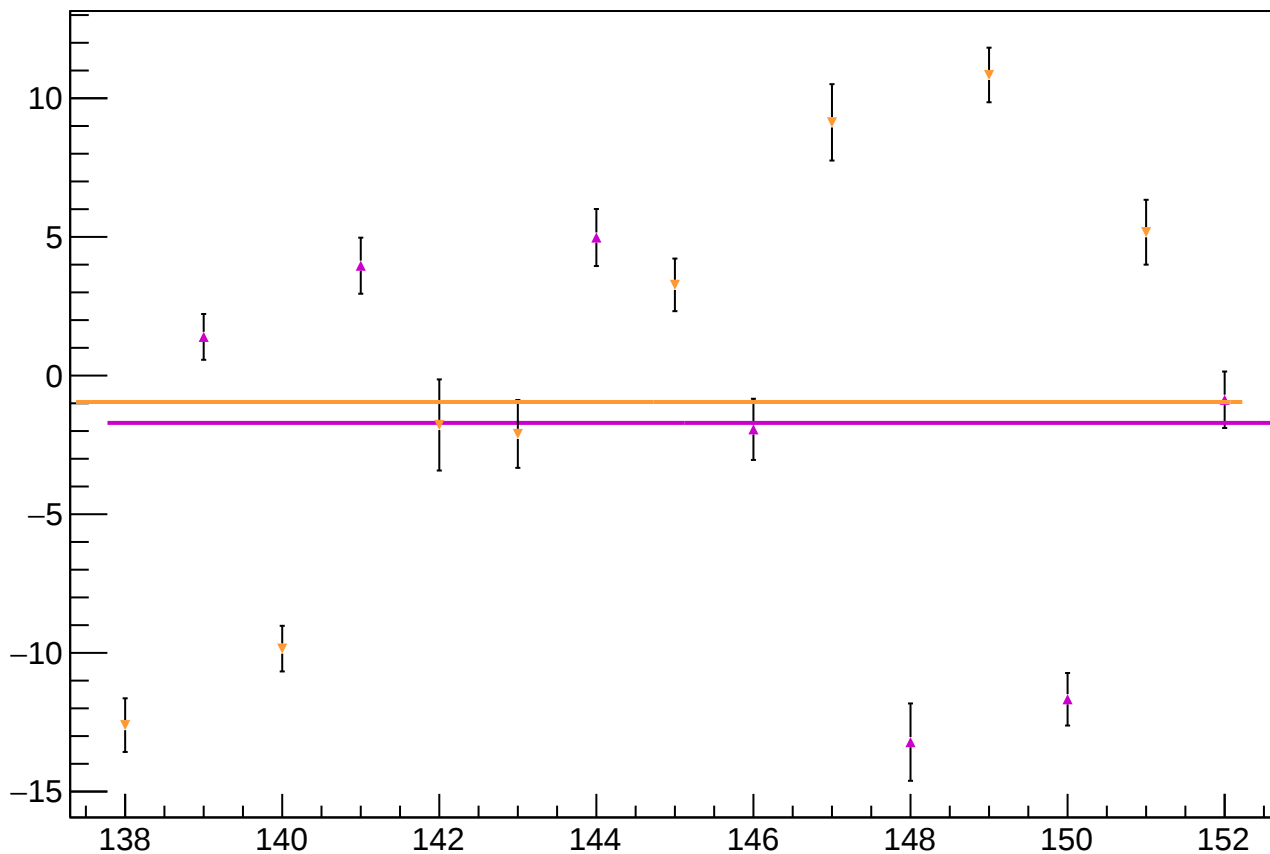
Left In: 0.455+/-0.034 χ^2 /NDF:192.7/6

-0.571+/-0.028 χ^2 /NDF: 1062.1/24

0.121+/-0.019 χ^2 /NDF: 3674.2/51

0.784+/-0.027 χ^2 /NDF: 1391.3/26

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.952+/-0.378 χ^2/NDF : 507.4/7

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

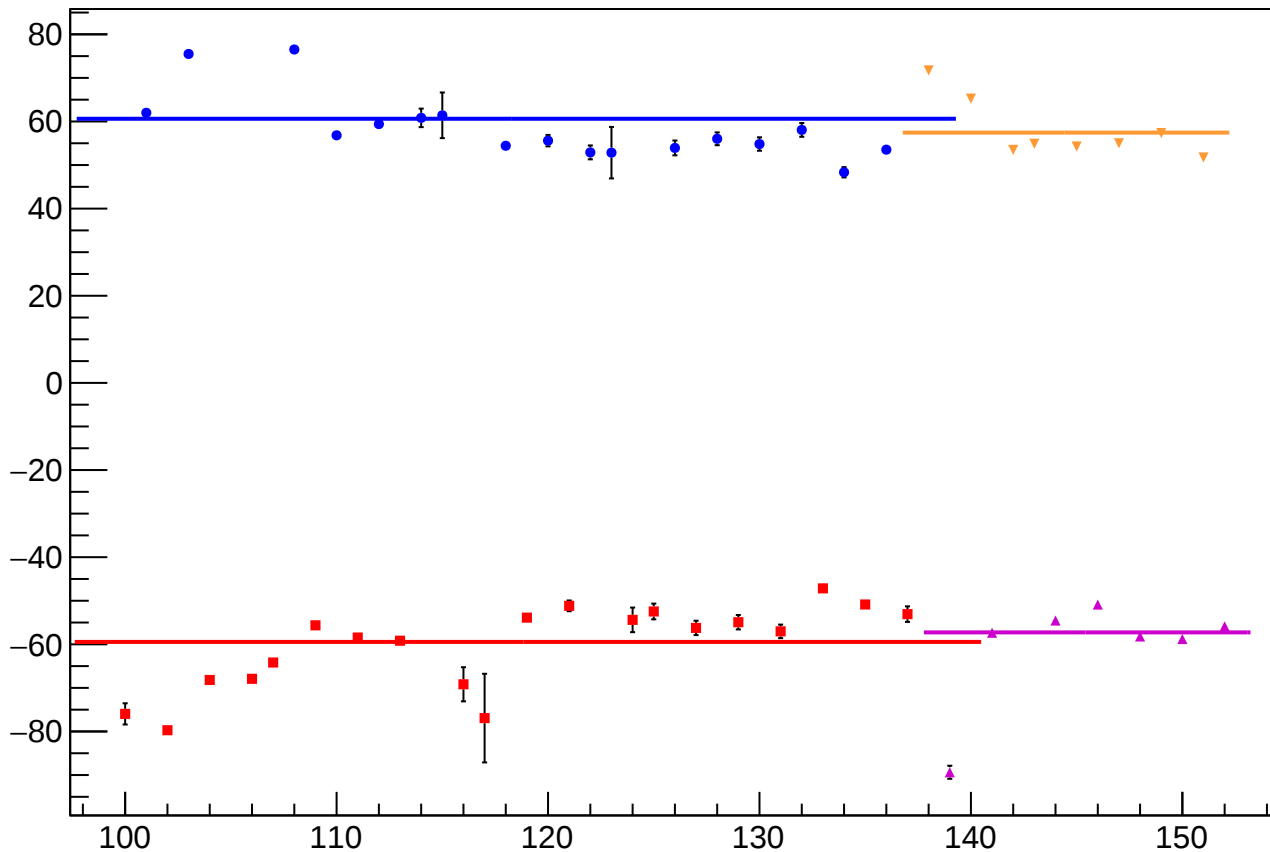
Left In: -1.706+/-0.383 χ^2/NDF : 267.3/6

-0.952+/-0.378 χ^2/NDF : 507.4/7

-1.324+/-0.269 χ^2/NDF : 776.7/14

-1.706+/-0.383 χ^2/NDF : 267.3/6

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

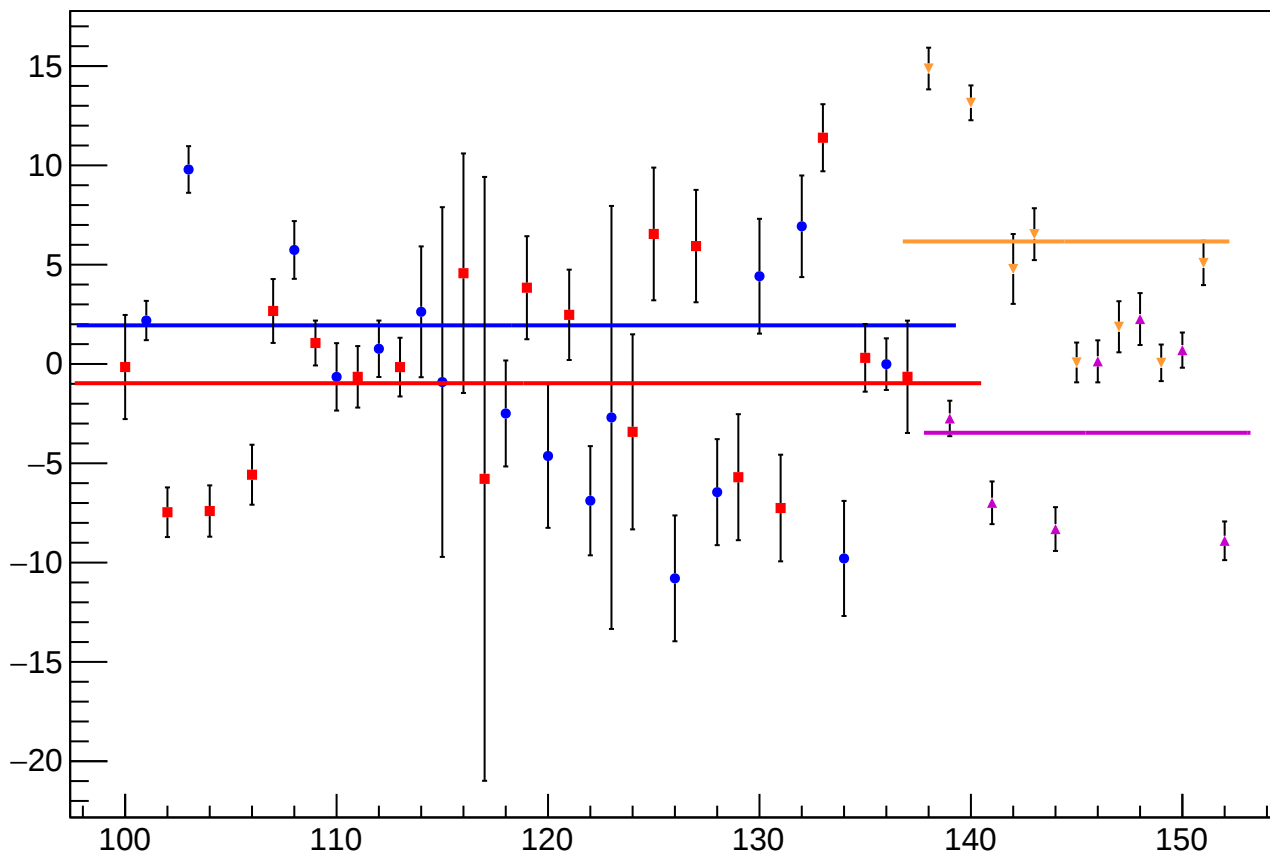
Left In: -57.262 $\pm$ 0.285 χ^2 /NDF: 564.9/6

59.077 $\pm$ 0.188 χ^2 /NDF: 1432.6/24

-0.210 $\pm$ 0.133 χ^2 /NDF: 199708.7/51

-58.506 $\pm$ 0.187 χ^2 /NDF: 1924.7/26

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

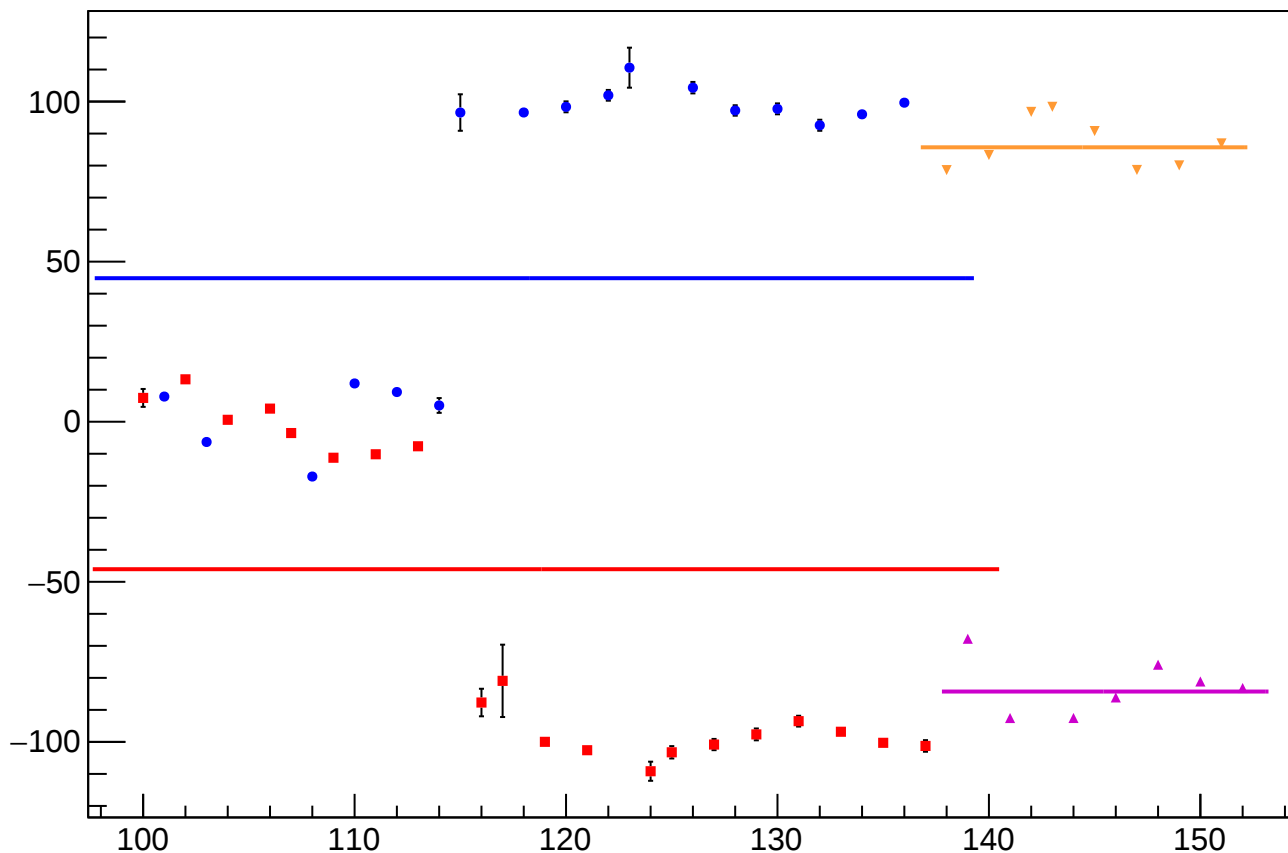
Left In: -3.464 ± 0.385 χ^2/NDF : 114.7/6

4.417 ± 0.295 χ^2/NDF : 396.2/24

0.919 ± 0.205 χ^2/NDF : 950.1/51

-2.337 ± 0.285 χ^2/NDF : 283.3/26

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

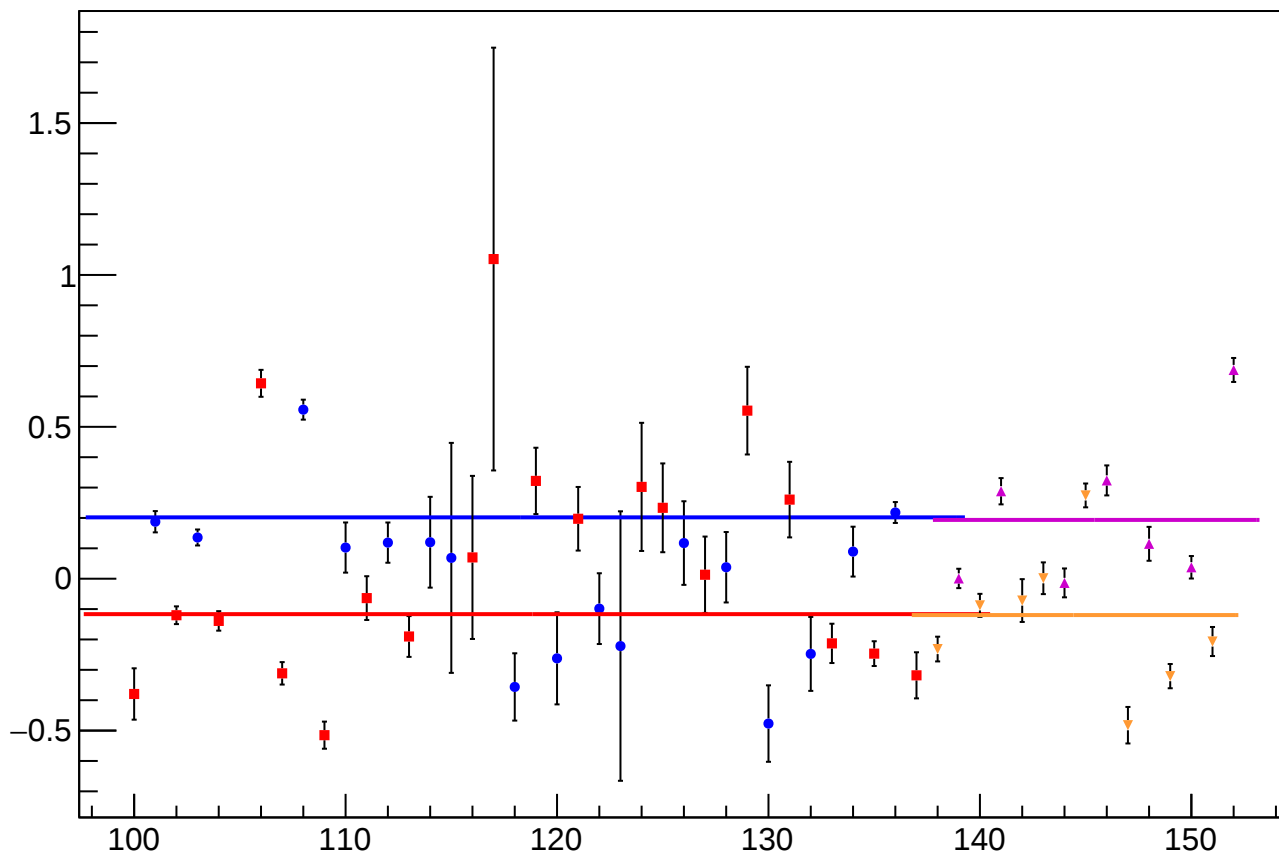
Left In: -84.272 ± 0.342 χ^2/NDF : 410.6/6

63.655 ± 0.224 χ^2/NDF : 33480.7/24

0.048 ± 0.157 χ^2/NDF : 229041.2/51

-61.989 ± 0.221 χ^2/NDF : 35950.7/26

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.202 $\pm$ 0.014 χ^2 /NDF: 216.0/16

Left Out: -0.120 $\pm$ 0.016 χ^2 /NDF: 179.9/7

Right Out: -0.117 $\pm$ 0.013 χ^2 /NDF: 502.5/19

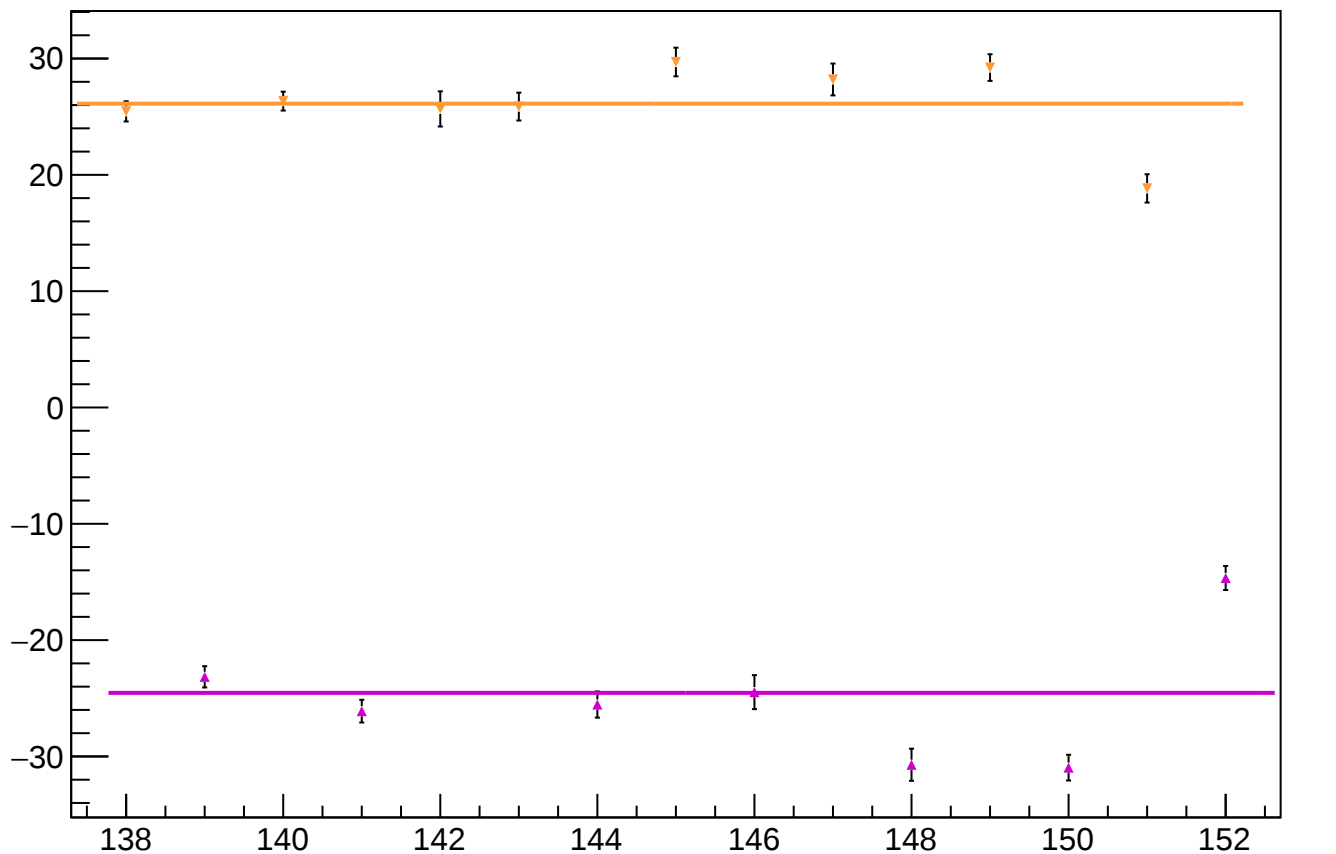
Left In: 0.194 $\pm$ 0.016 χ^2 /NDF: 243.2/6

0.063 $\pm$ 0.011 χ^2 /NDF: 622.4/24

0.035 $\pm$ 0.007 χ^2 /NDF: 1612.6/51

0.010 $\pm$ 0.010 χ^2 /NDF: 977.0/26

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

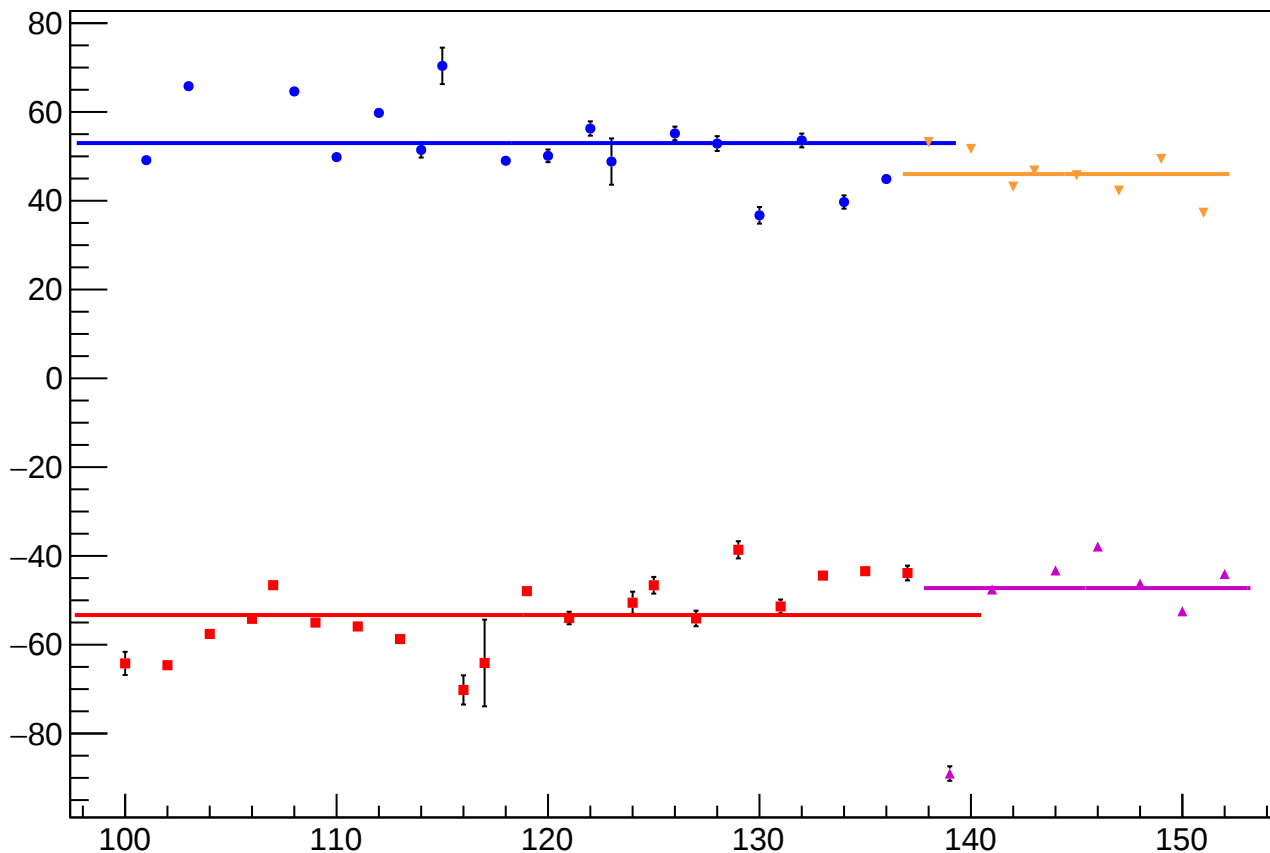
Left In: -24.534+/-0.416 χ^2/NDF : 150.9/6

26.122+/-0.389 χ^2/NDF : 54.8/7

2.460+/-0.284 χ^2/NDF : 8115.3/14

-24.534+/-0.416 χ^2/NDF : 150.9/6

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 52.989 $\pm$ 0.211 χ^2 /NDF: 1198.0/16

Left Out: 46.013 $\pm$ 0.277 χ^2 /NDF: 344.0/7

Right Out: -53.320 $\pm$ 0.227 χ^2 /NDF: 876.8/19

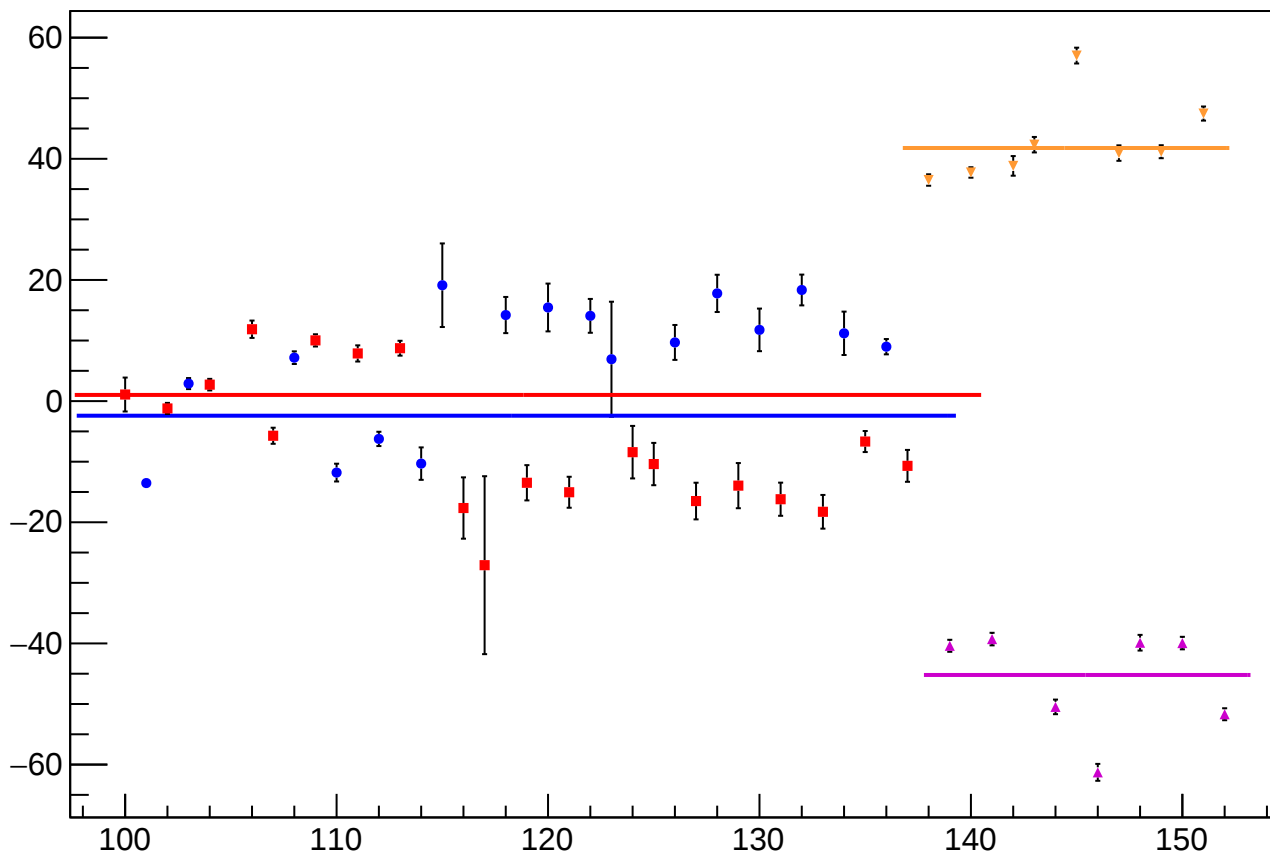
Left In: -47.246 $\pm$ 0.303 χ^2 /NDF: 858.0/6

50.424 $\pm$ 0.168 χ^2 /NDF: 1944.3/24

3.669 $\pm$ 0.123 χ^2 /NDF: 172797.7/51

-51.144 $\pm$ 0.182 χ^2 /NDF: 1992.1/26

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

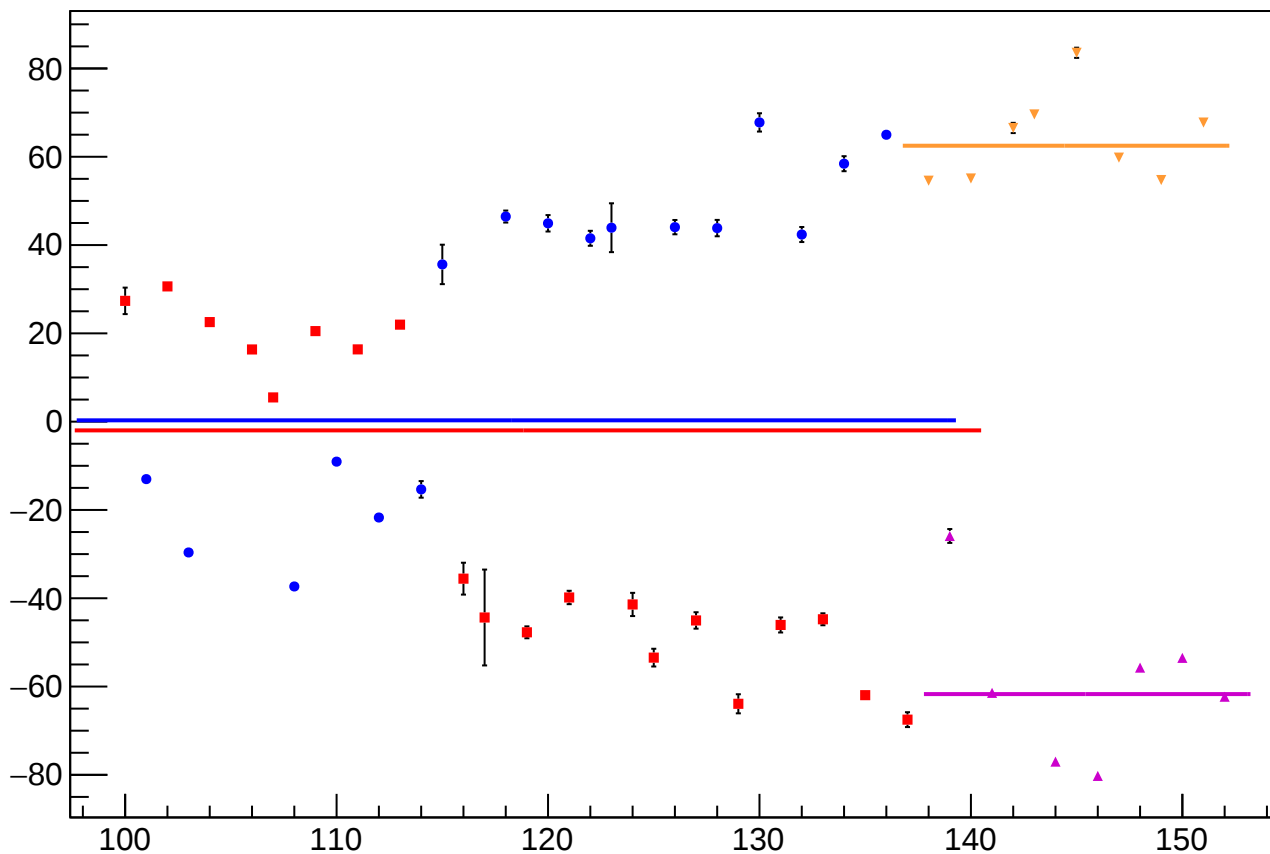
Left In: -45.208+/-0.419 χ^2/NDF : 294.0/6

17.642+/-0.269 χ^2/NDF : 7728.5/24

-0.282+/-0.194 χ^2/NDF : 24494.6/51

-19.678+/-0.280 χ^2/NDF : 7540.3/26

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 $\chi^2/\text{NDF}: 15465.9/19$

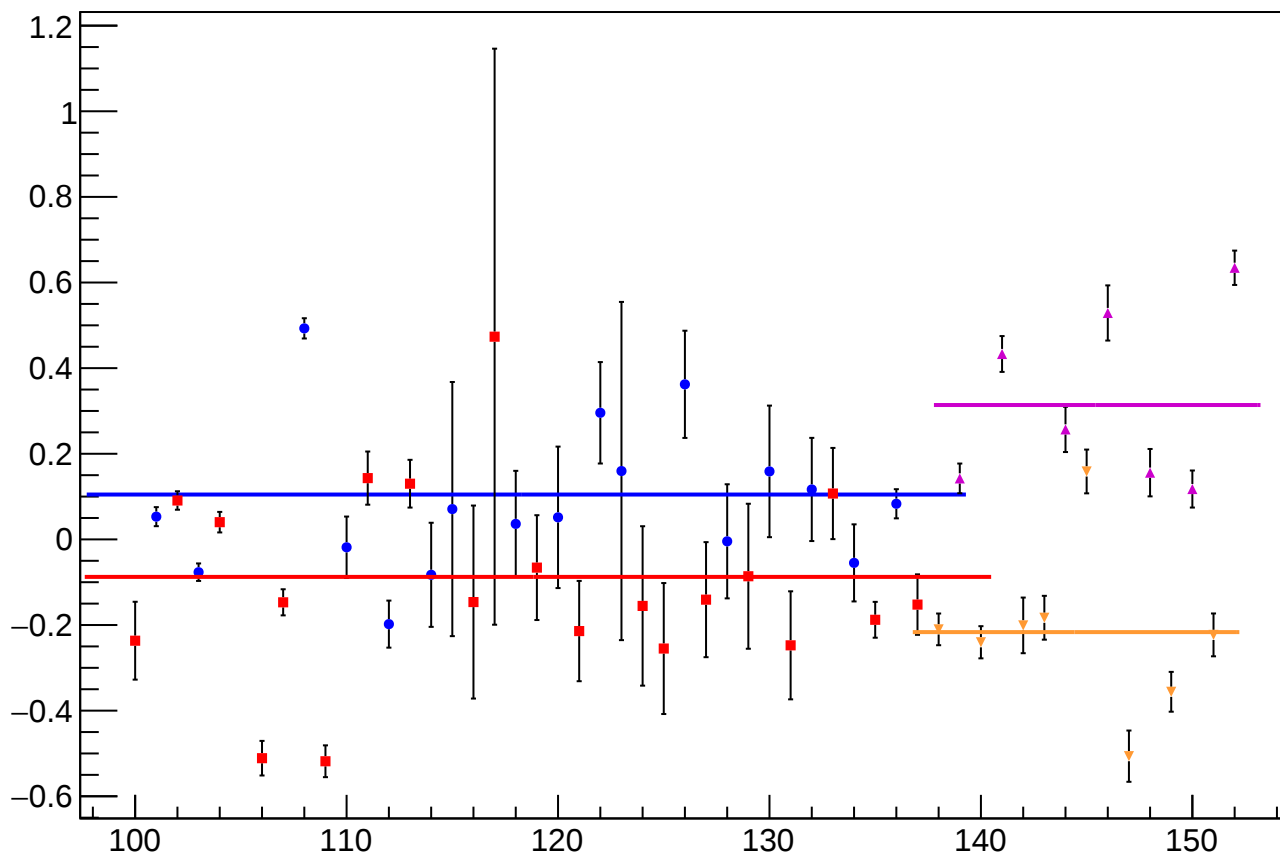
Left In: -61.707 ± 0.368 $\chi^2/\text{NDF}: 1184.7/6$

21.850 ± 0.200 $\chi^2/\text{NDF}: 40811.7/24$

1.349 ± 0.147 $\chi^2/\text{NDF}: 97481.2/51$

-22.530 ± 0.216 $\chi^2/\text{NDF}: 33928.5/26$

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 $\chi^2/\text{NDF}: 391.6/19$

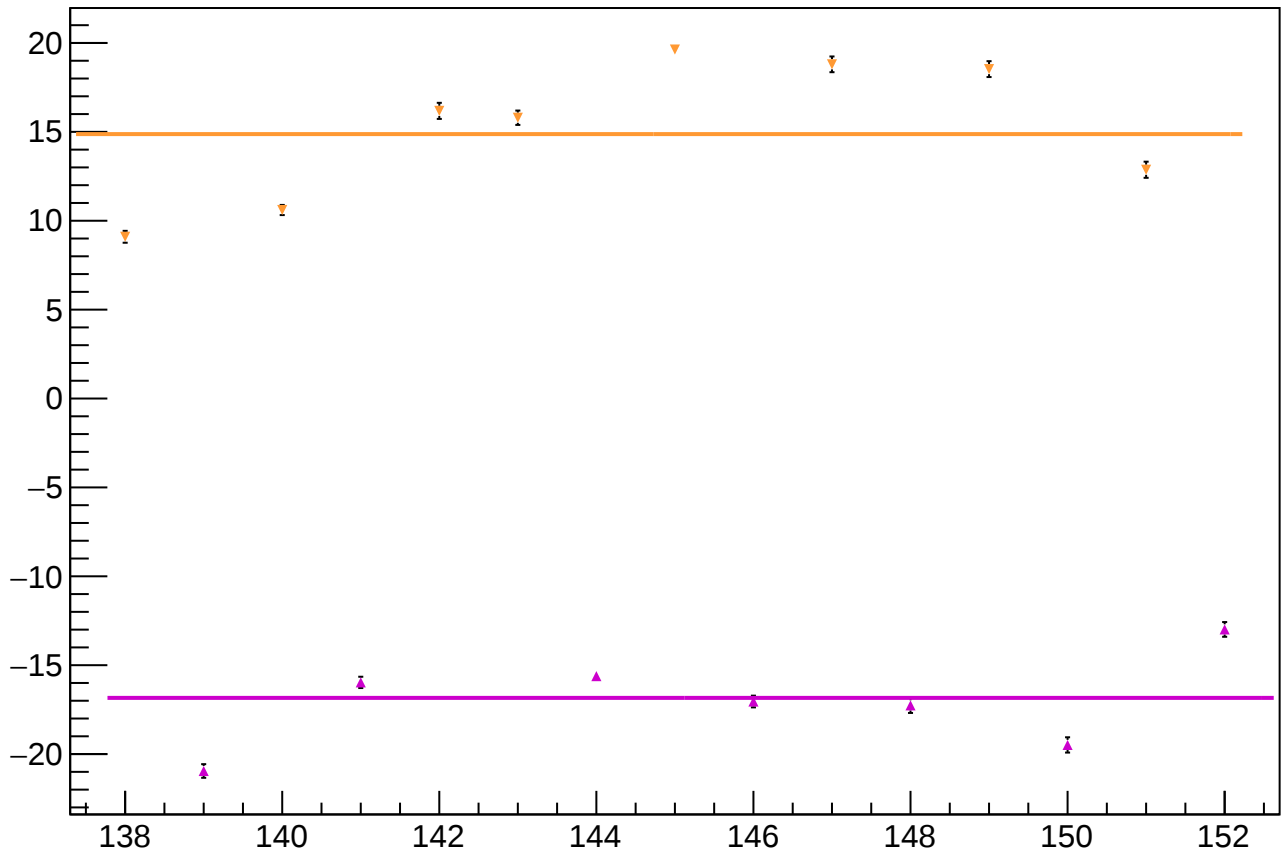
Left In: 0.314 ± 0.017 $\chi^2/\text{NDF}: 137.3/6$

0.007 ± 0.009 $\chi^2/\text{NDF}: 745.3/24$

0.019 ± 0.007 $\chi^2/\text{NDF}: 1672.2/51$

0.032 ± 0.009 $\chi^2/\text{NDF}: 923.4/26$

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

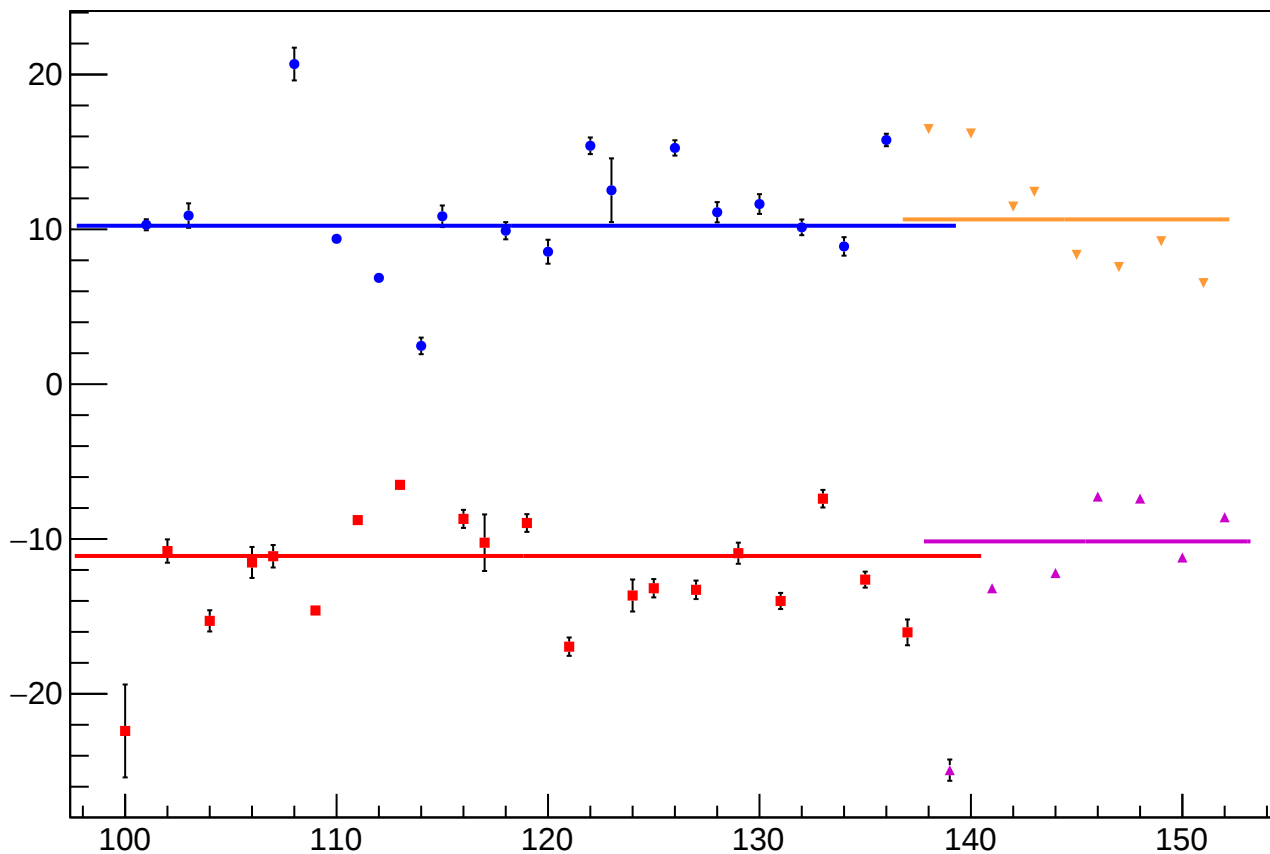
Left In: -16.839+/-0.135 χ^2/NDF : 266.9/6

14.874+/-0.129 χ^2/NDF : 1002.0/7

-0.241+/-0.093 χ^2/NDF : 30288.2/14

-16.839+/-0.135 χ^2/NDF : 266.9/6

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

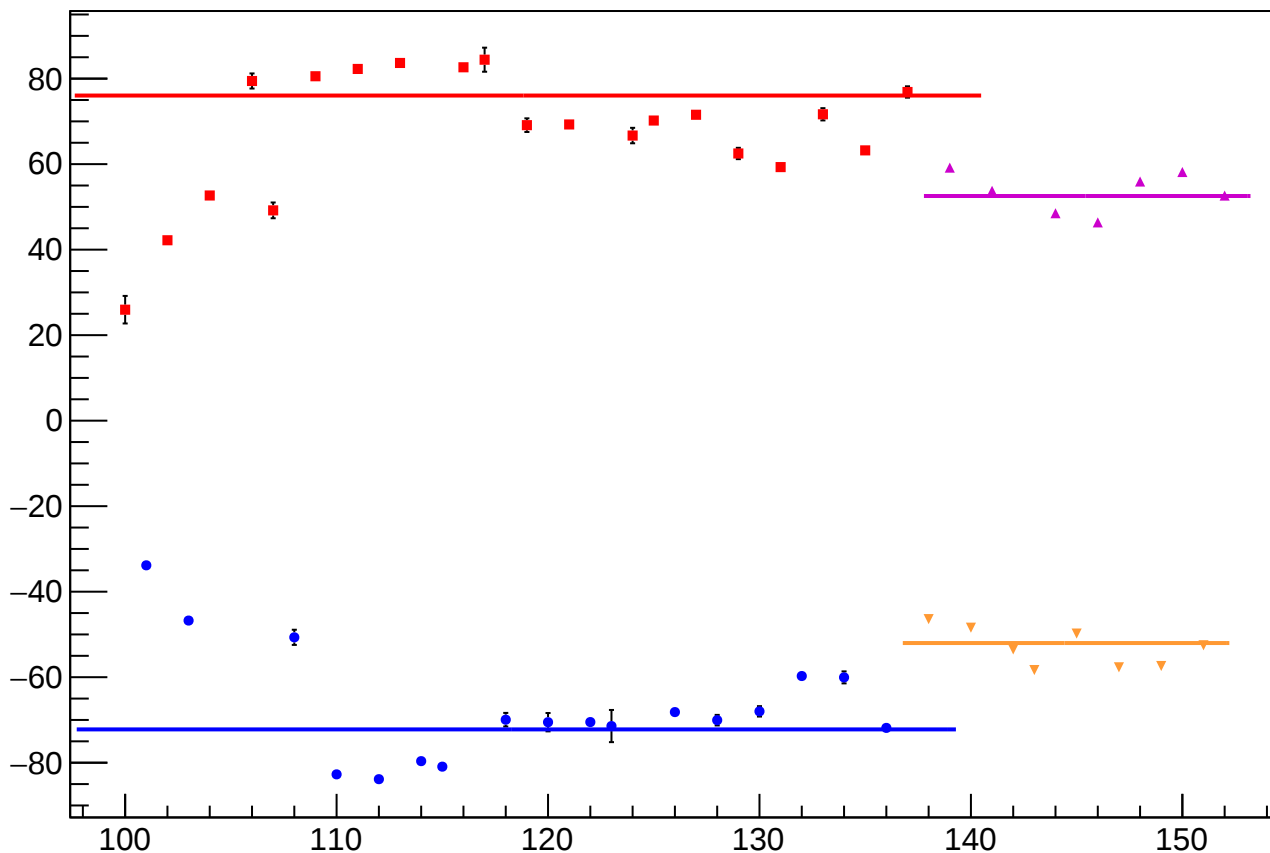
Left In: -10.156 ± 0.092 χ^2/NDF : 1173.2/6

10.494 ± 0.072 χ^2/NDF : 2427.4/24

0.056 ± 0.051 χ^2/NDF : 47000.2/51

-10.520 ± 0.072 χ^2/NDF : 2031.4/26

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 $\chi^2/\text{NDF}: 3472.2/19$

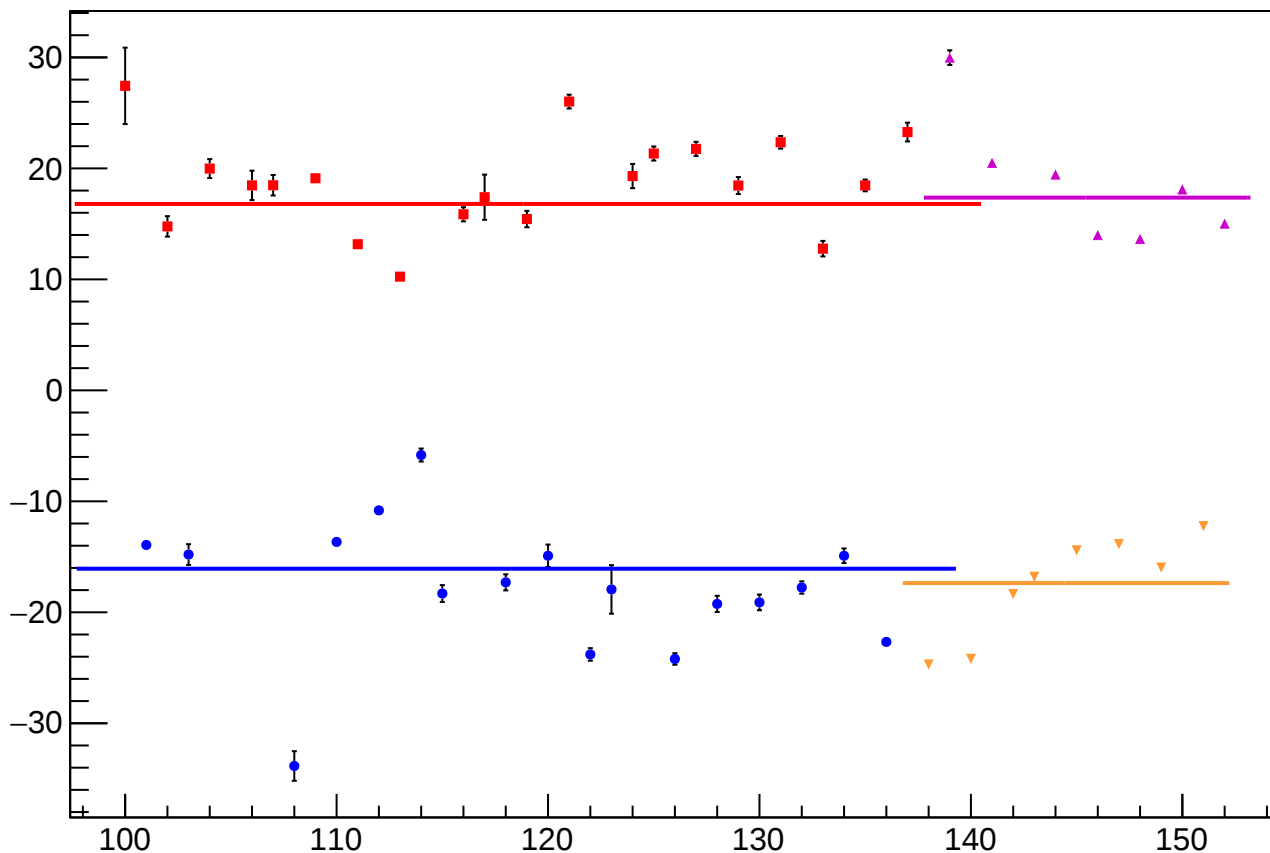
Left In: 52.547 ± 0.136 $\chi^2/\text{NDF}: 1091.2/6$

-58.281 ± 0.110 $\chi^2/\text{NDF}: 13759.7/24$

2.341 ± 0.077 $\chi^2/\text{NDF}: 623604.6/51$

61.032 ± 0.109 $\chi^2/\text{NDF}: 15376.7/26$

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

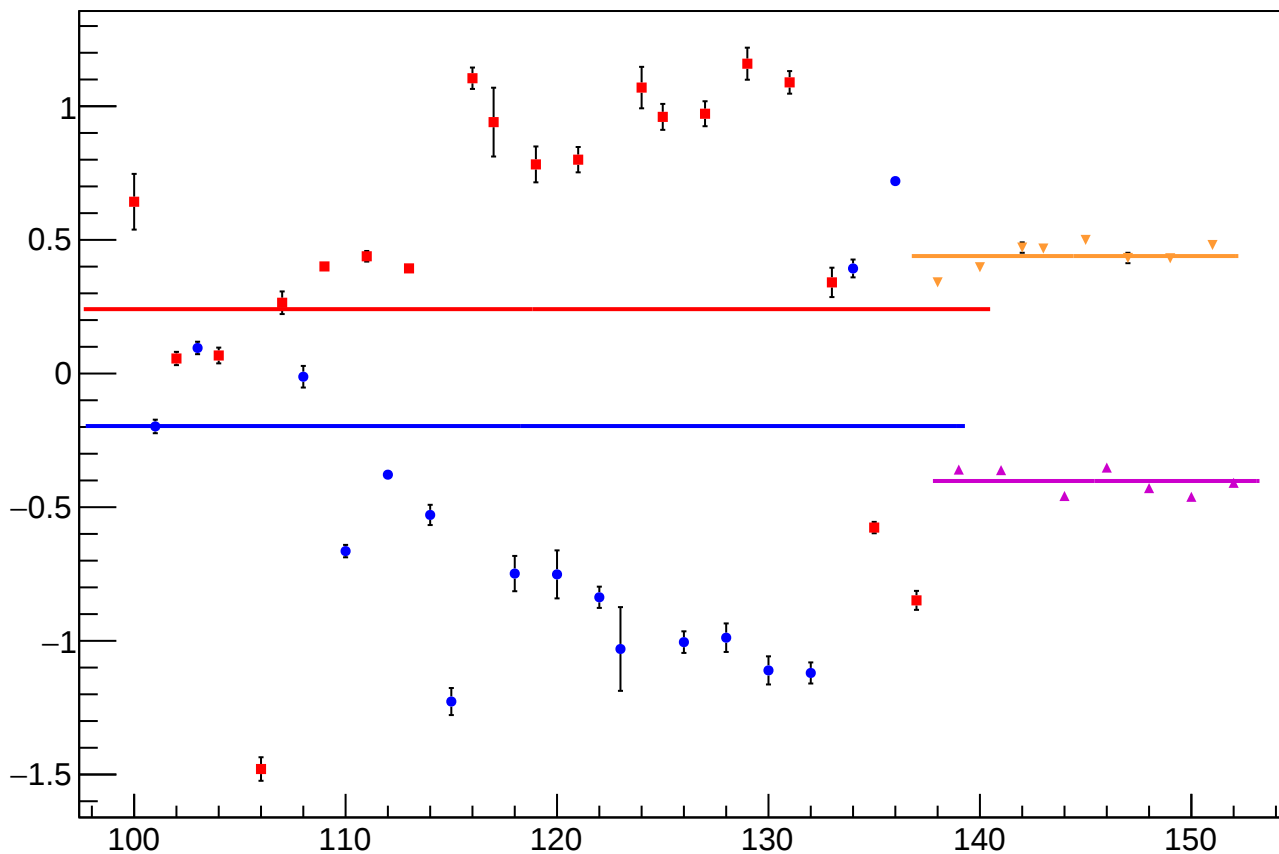
Left In: 17.366 ± 0.114 χ^2/NDF : 959.8/6

-16.835 ± 0.085 χ^2/NDF : 3213.0/24

0.108 ± 0.060 χ^2/NDF : 85188.9/51

17.115 ± 0.085 χ^2/NDF : 2186.9/26

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.439 ± 0.006 χ^2/NDF : 94.6/7

Right Out: 0.241 ± 0.007 χ^2/NDF : 6218.3/19

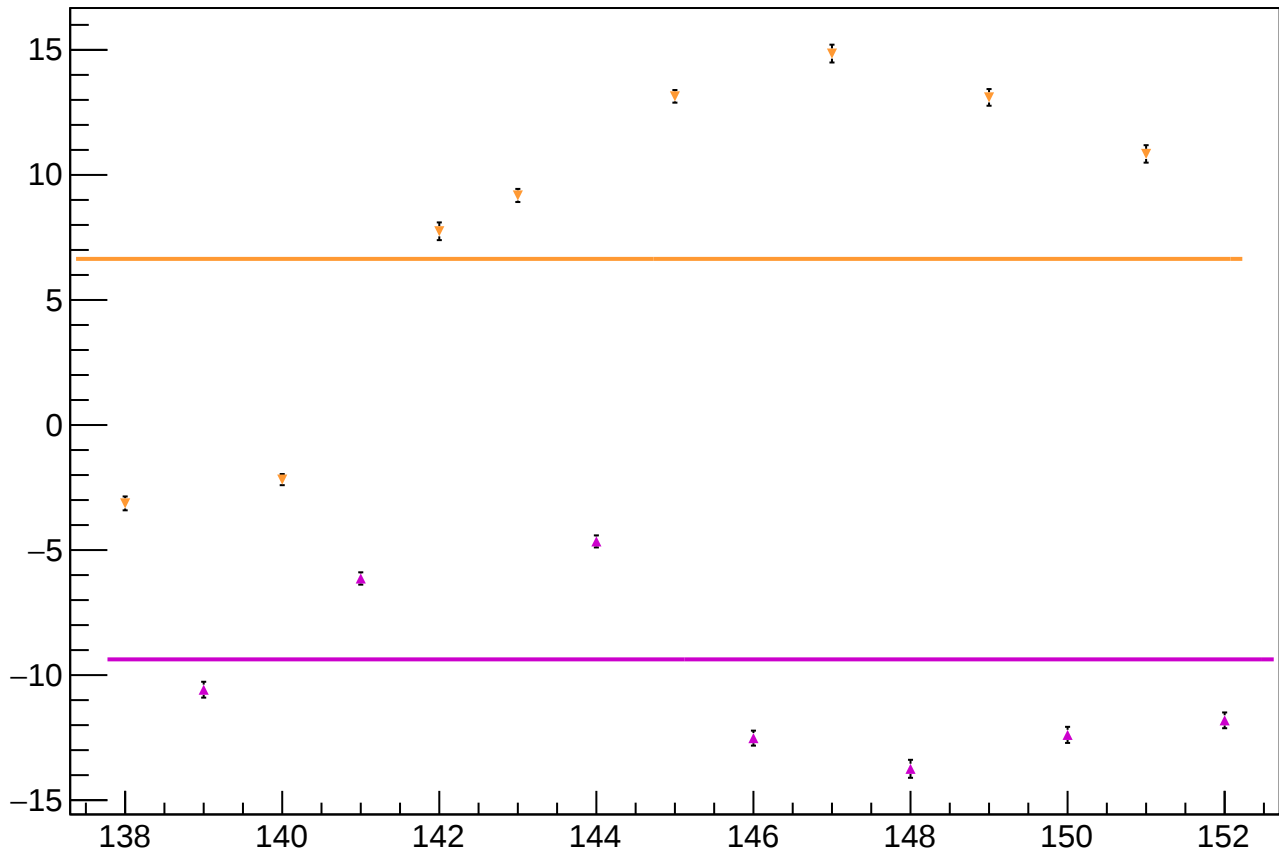
Left In: -0.402 ± 0.006 χ^2/NDF : 62.2/6

0.217 ± 0.004 χ^2/NDF : 11035.5/24

0.030 ± 0.003 χ^2/NDF : 25758.1/51

-0.155 ± 0.004 χ^2/NDF : 11233.7/26

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

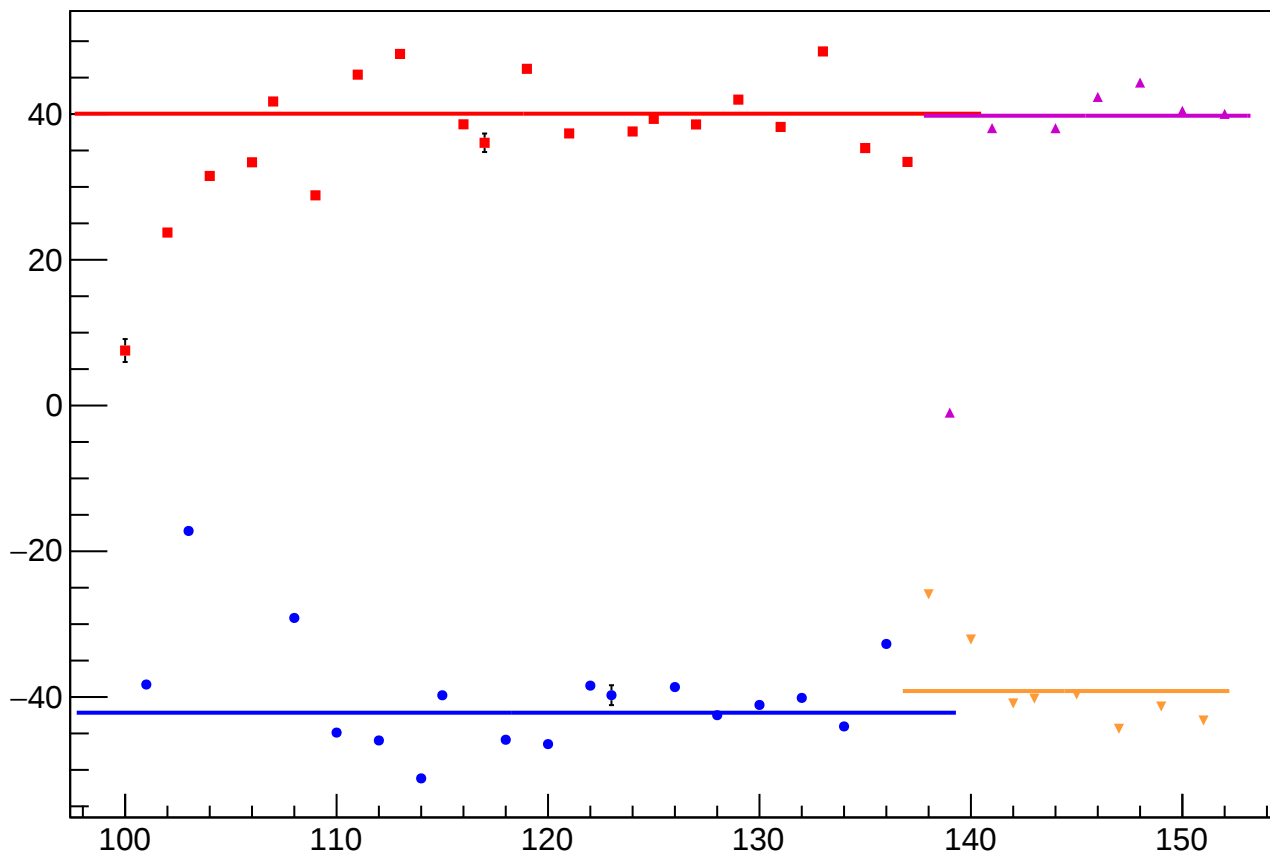
Left In: -9.371 $\pm$ 0.110 χ^2 /NDF: 976.5/6

6.643 $\pm$ 0.102 χ^2 /NDF: 4627.2/7

-0.727 $\pm$ 0.075 χ^2 /NDF: 16985.3/14

-9.371 $\pm$ 0.110 χ^2 /NDF: 976.5/6

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

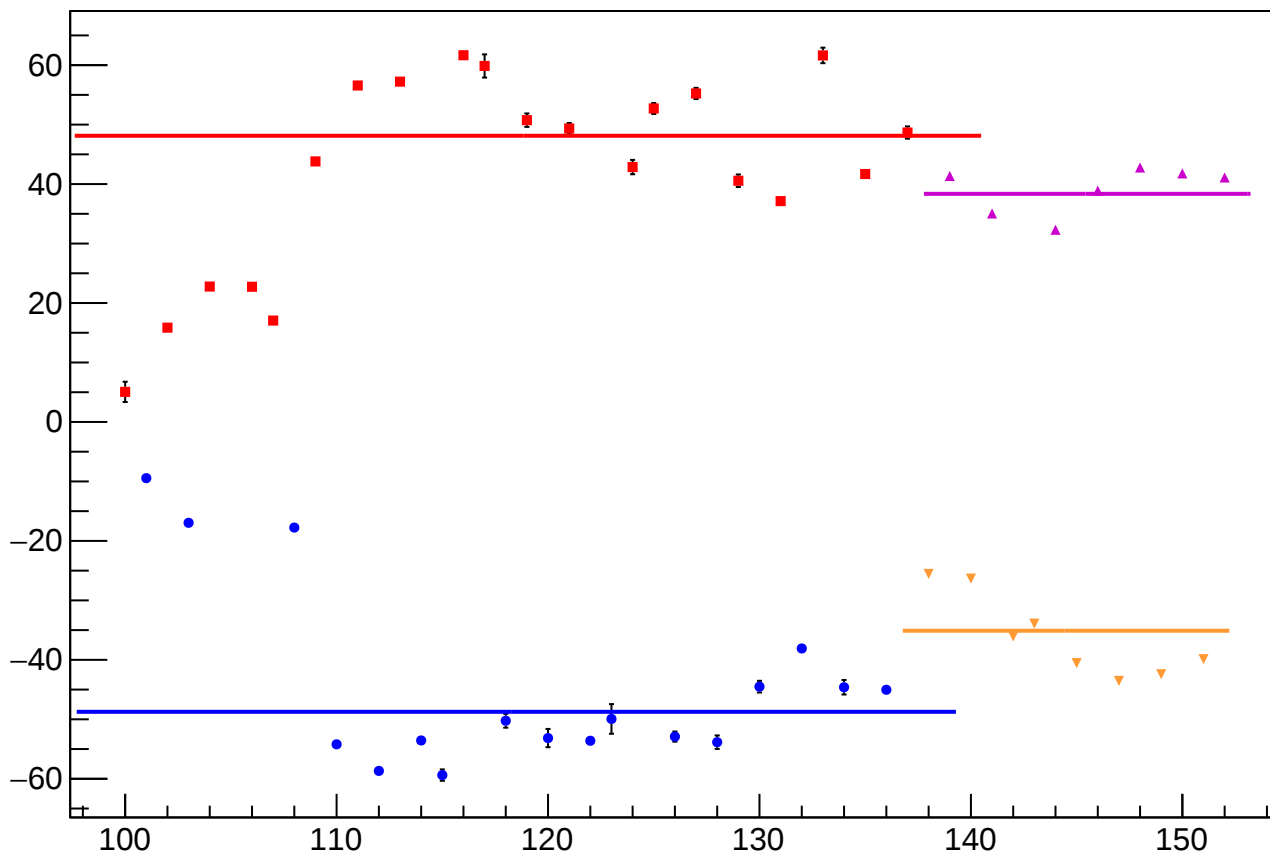
Left In: 39.770 ± 0.077 χ^2/NDF : 6232.8/6

-40.525 ± 0.052 χ^2/NDF : 12823.4/24

-0.534 ± 0.037 χ^2/NDF : 1199596.7/51

39.917 ± 0.053 χ^2/NDF : 17571.9/26

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

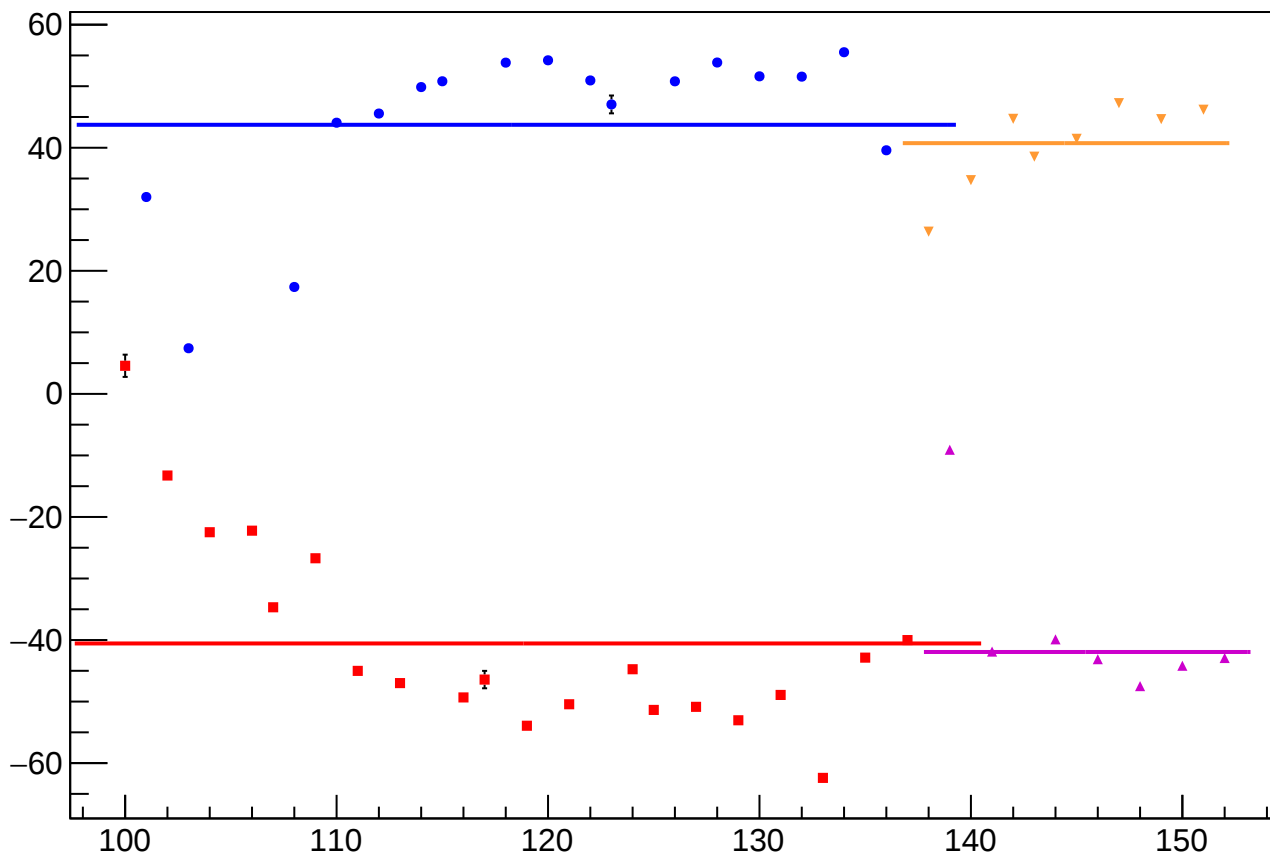
Left In: 38.361 $\pm$ 0.111 χ^2 /NDF: 1173.5/6

-40.768 $\pm$ 0.080 χ^2 /NDF: 25868.1/24

3.027 $\pm$ 0.056 χ^2 /NDF: 614888.6/51

43.425 $\pm$ 0.077 χ^2 /NDF: 16948.6/26

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

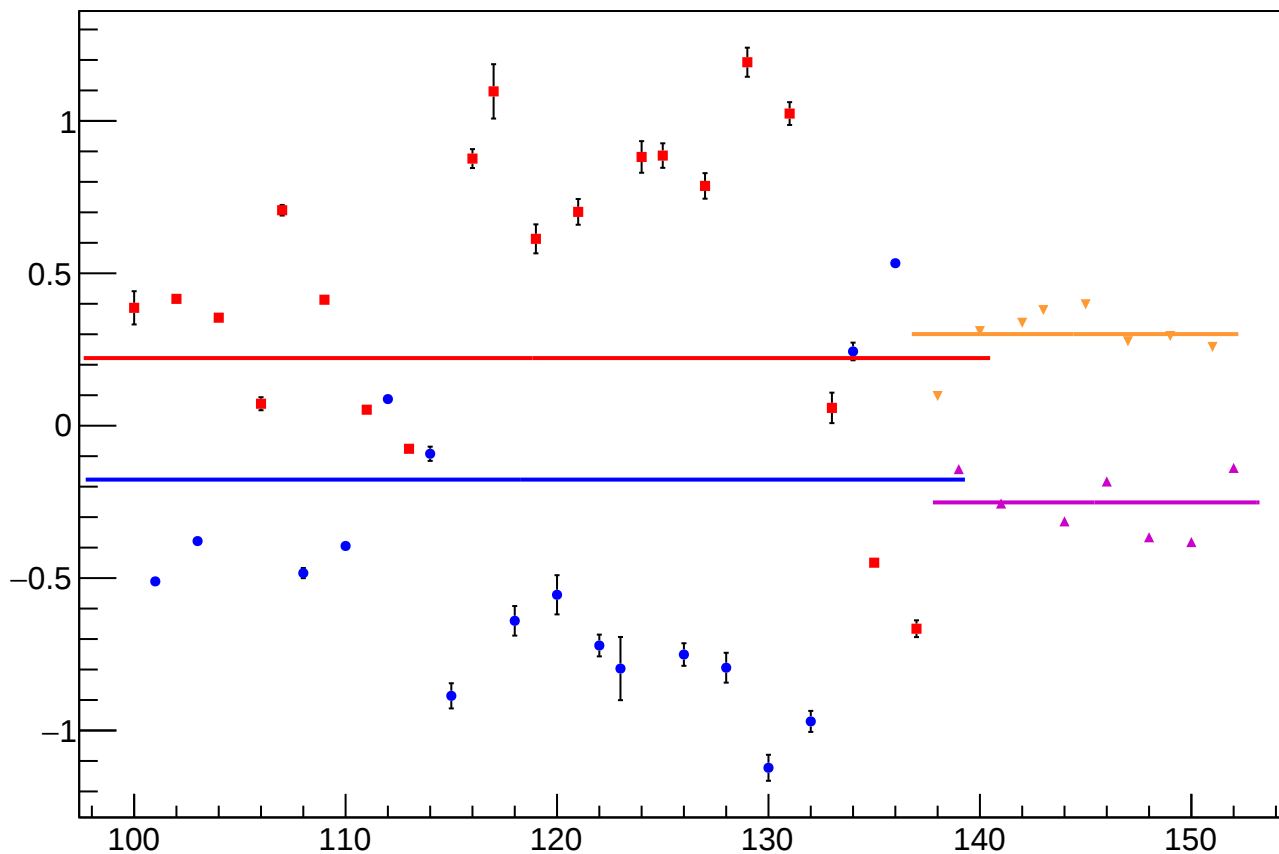
Left In: -41.942+/-0.094 χ^2/NDF : 4363.5/6

42.244+/-0.062 χ^2/NDF : 15801.4/24

0.150+/-0.043 χ^2/NDF : 965756.1/51

-41.140+/-0.061 χ^2/NDF : 22108.2/26

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

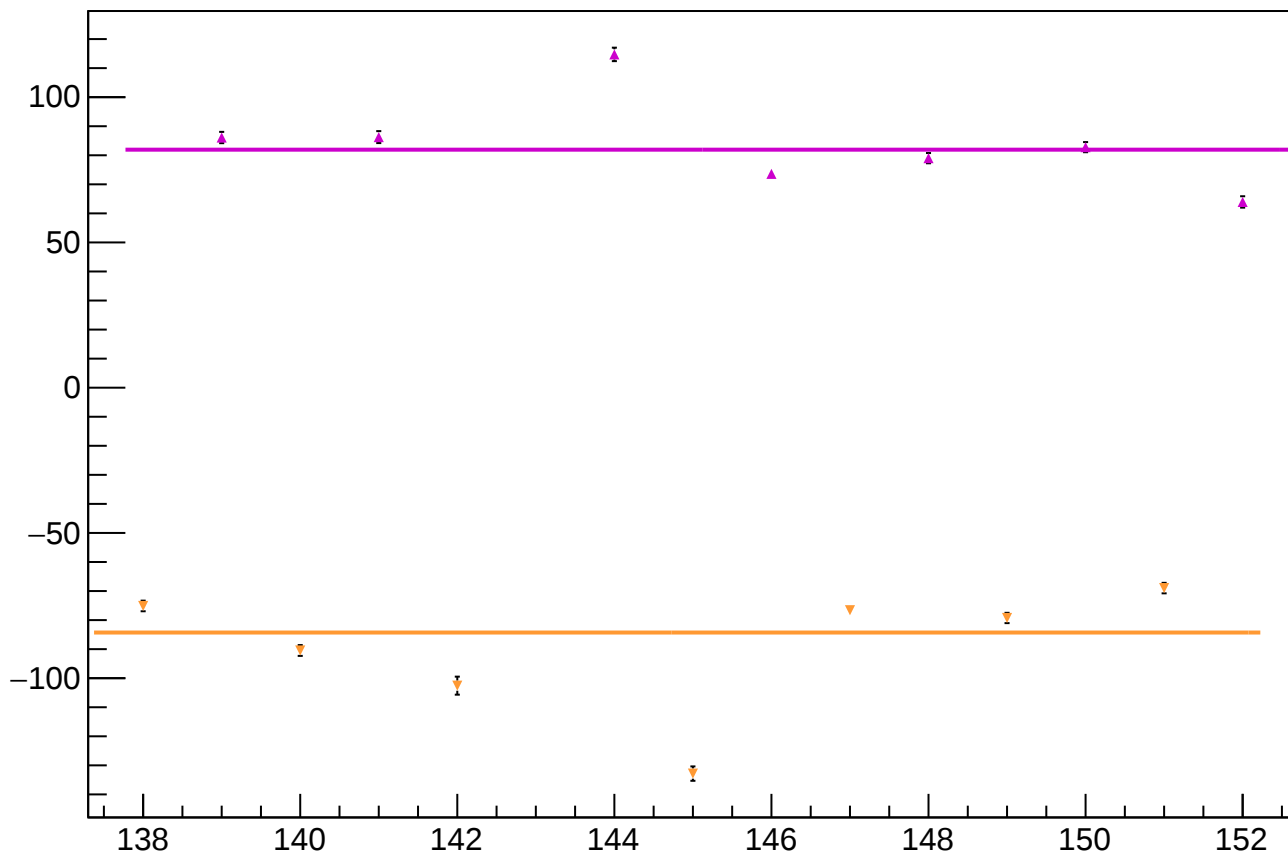
Left In: -0.252 ± 0.005 χ^2/NDF : 393.0/6

0.085 ± 0.003 χ^2/NDF : 13153.4/24

0.042 ± 0.002 χ^2/NDF : 27055.4/51

0.002 ± 0.003 χ^2/NDF : 13560.2/26

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

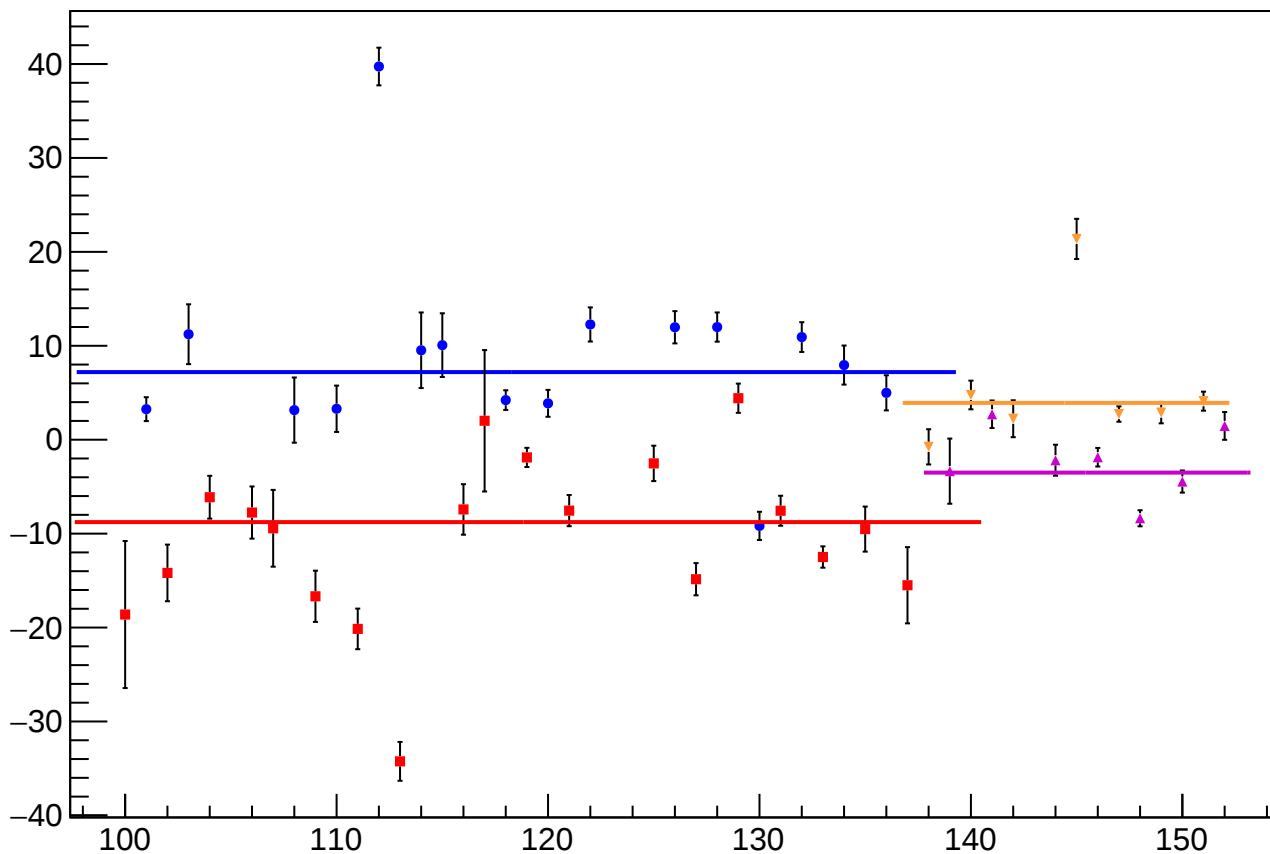
Left In: 81.929+/-0.717 χ^2/NDF : 320.7/6

-84.279+/-0.742 χ^2/NDF : 555.0/6

1.664+/-0.516 χ^2/NDF : 26810.7/13

81.929+/-0.717 χ^2/NDF : 320.7/6

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

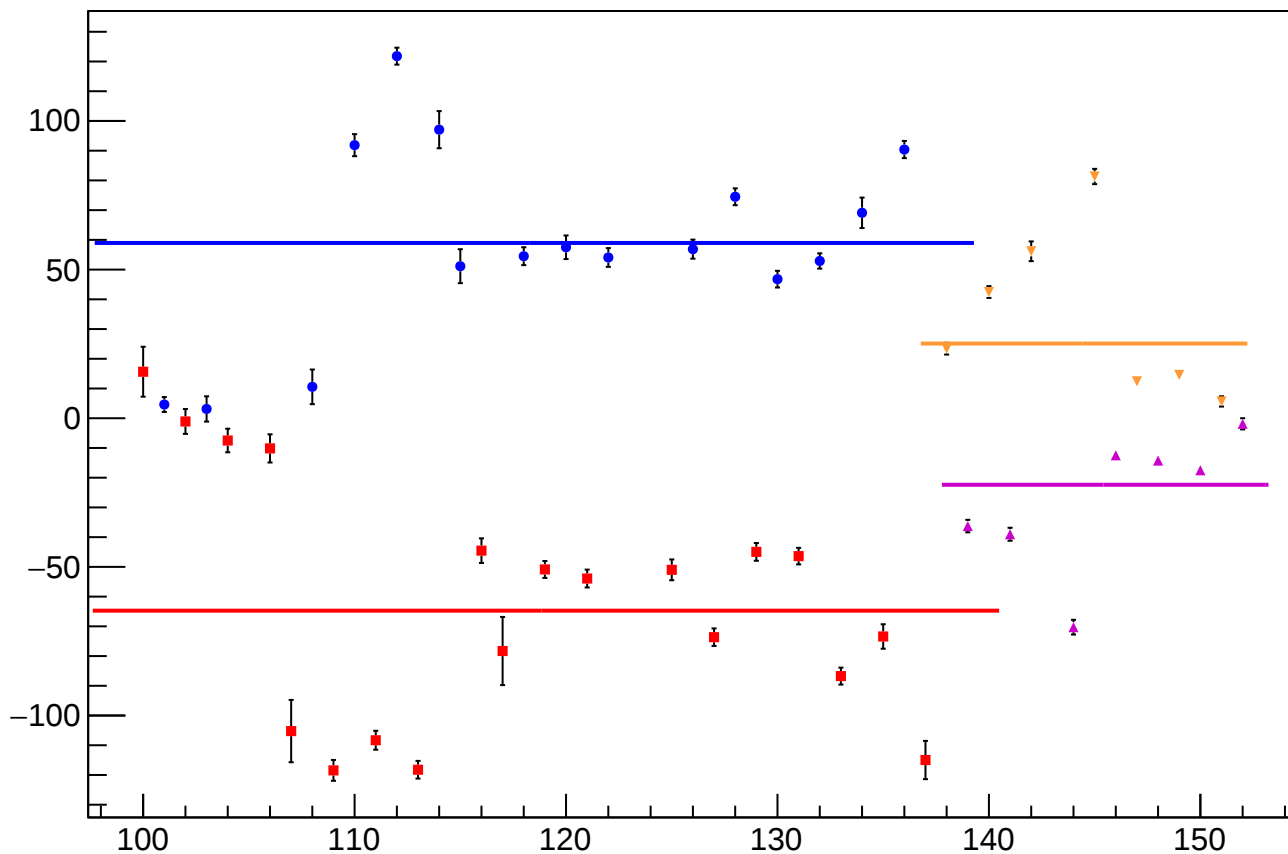
Left In: -3.503 ± 0.473 χ^2/NDF : 65.4/6

5.685 ± 0.322 χ^2/NDF : 546.3/22

-0.256 ± 0.229 χ^2/NDF : 1713.0/48

-6.285 ± 0.325 χ^2/NDF : 482.8/25

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.962 $\pm$ 0.837 χ^2/NDF : 1496.5/15

Left Out: 25.130 $\pm$ 0.738 χ^2/NDF : 872.9/6

Right Out: -64.728 $\pm$ 0.838 χ^2/NDF : 1723.2/18

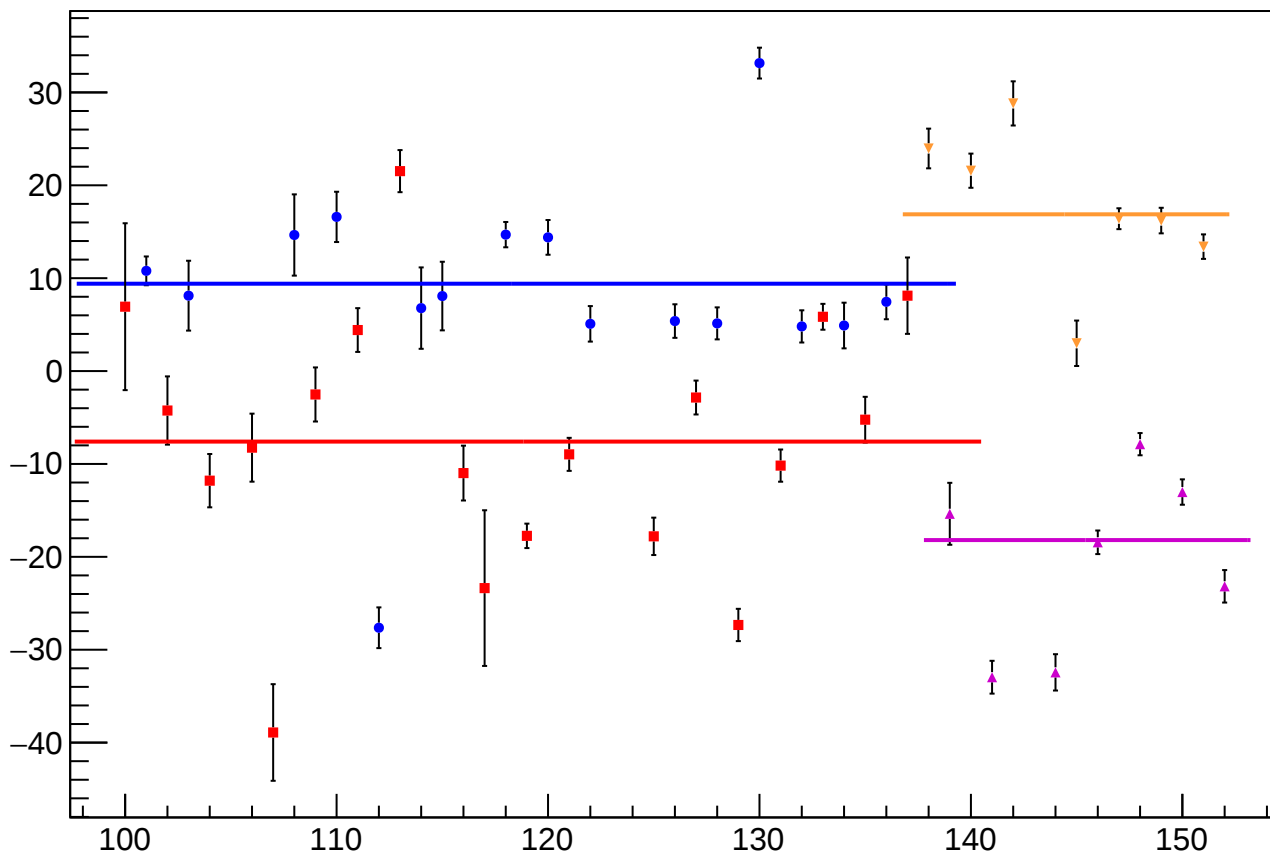
Left In: -22.380 $\pm$ 0.707 χ^2/NDF : 664.9/6

39.927 $\pm$ 0.554 χ^2/NDF : 3288.8/22

-0.999 $\pm$ 0.387 χ^2/NDF : 17845.1/48

-39.992 $\pm$ 0.540 χ^2/NDF : 3880.5/25

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 $\chi^2/\text{NDF}: 573.4/18$

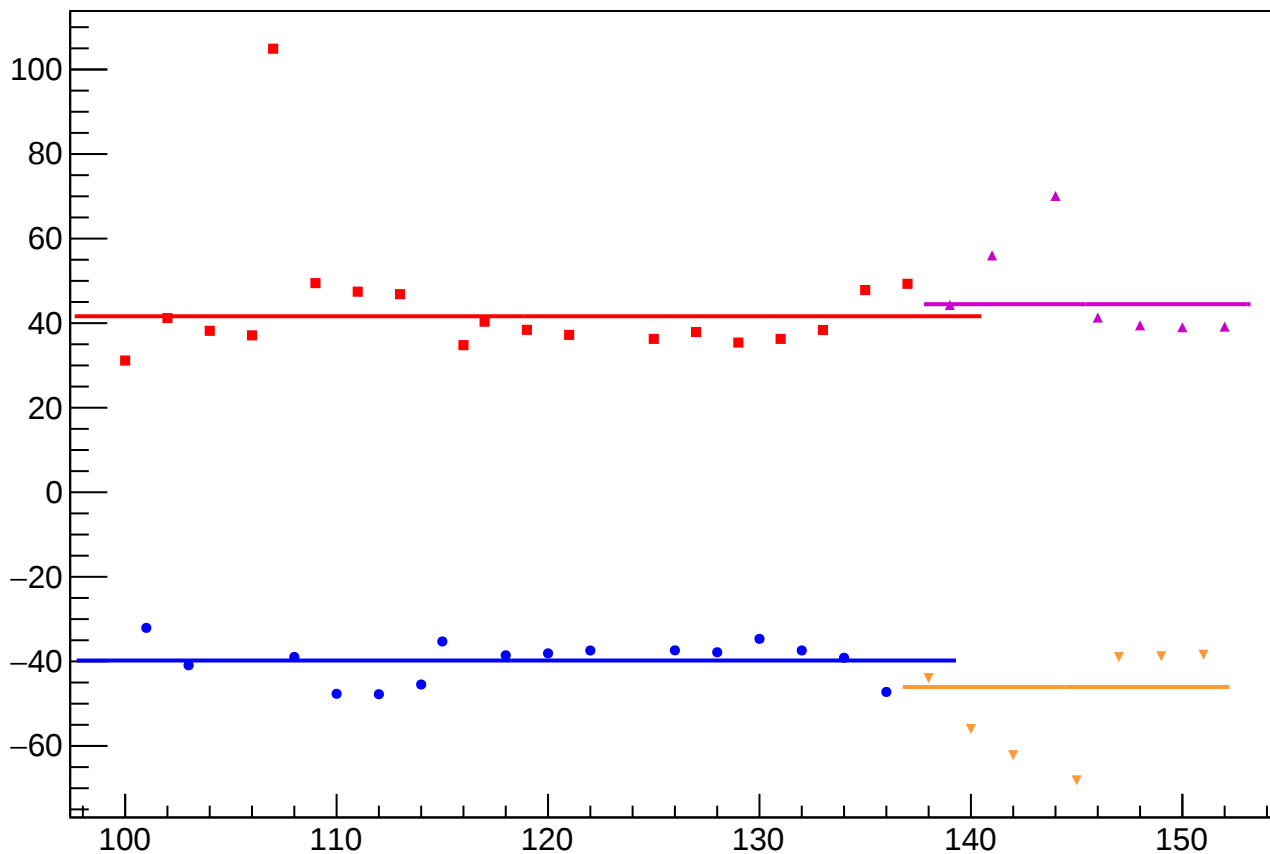
Left In: -18.196 ± 0.592 $\chi^2/\text{NDF}: 220.6/6$

12.499 ± 0.388 $\chi^2/\text{NDF}: 721.9/22$

0.182 ± 0.274 $\chi^2/\text{NDF}: 3717.0/48$

-12.149 ± 0.388 $\chi^2/\text{NDF}: 976.9/25$

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

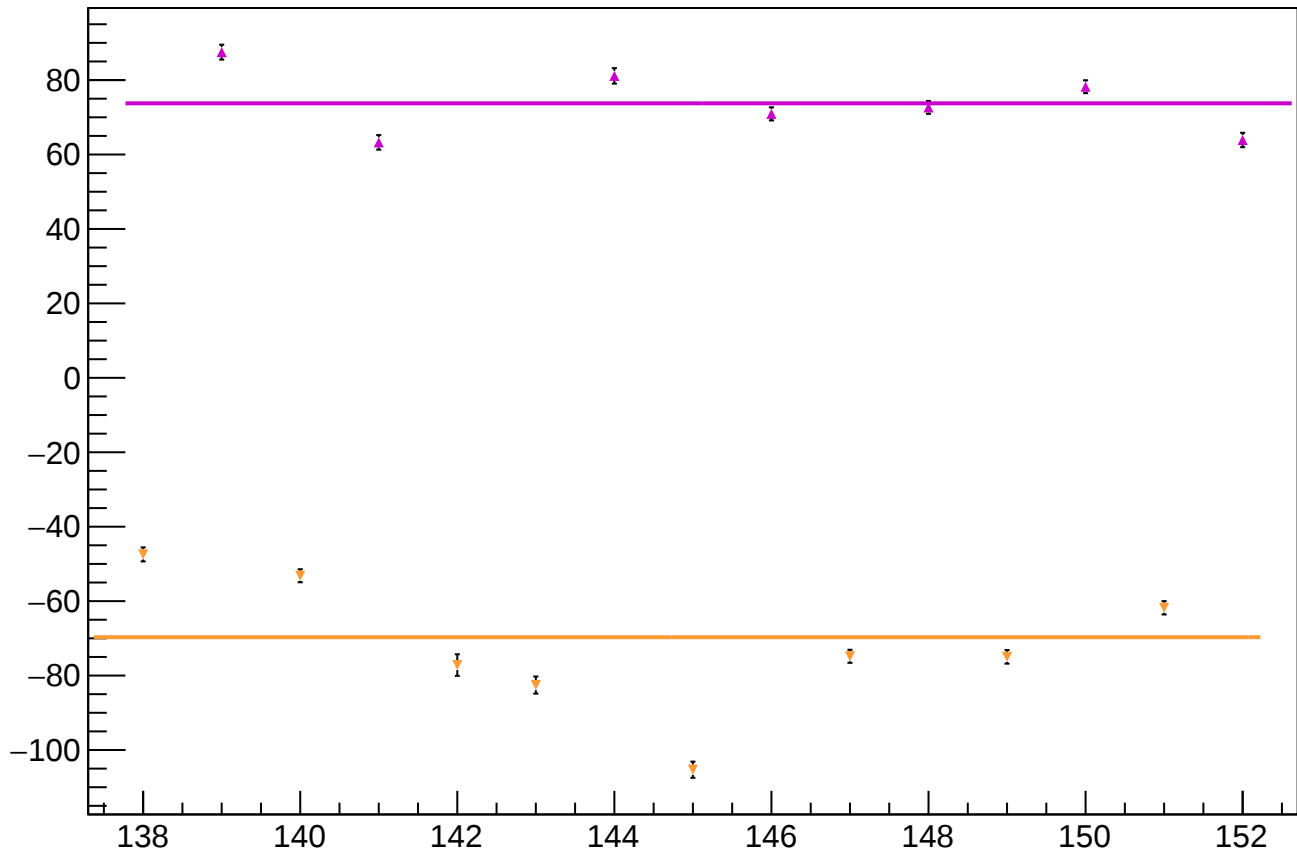
Left In: 44.481 ± 0.029 χ^2/NDF : 90339.4/6

-42.884 ± 0.022 χ^2/NDF : 151118.6/22

1.797 ± 0.015 χ^2/NDF : 8116945.1/48

43.138 ± 0.021 χ^2/NDF : 189165.5/25

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

-69.692+/-0.697 χ^2/NDF : 570.4/7

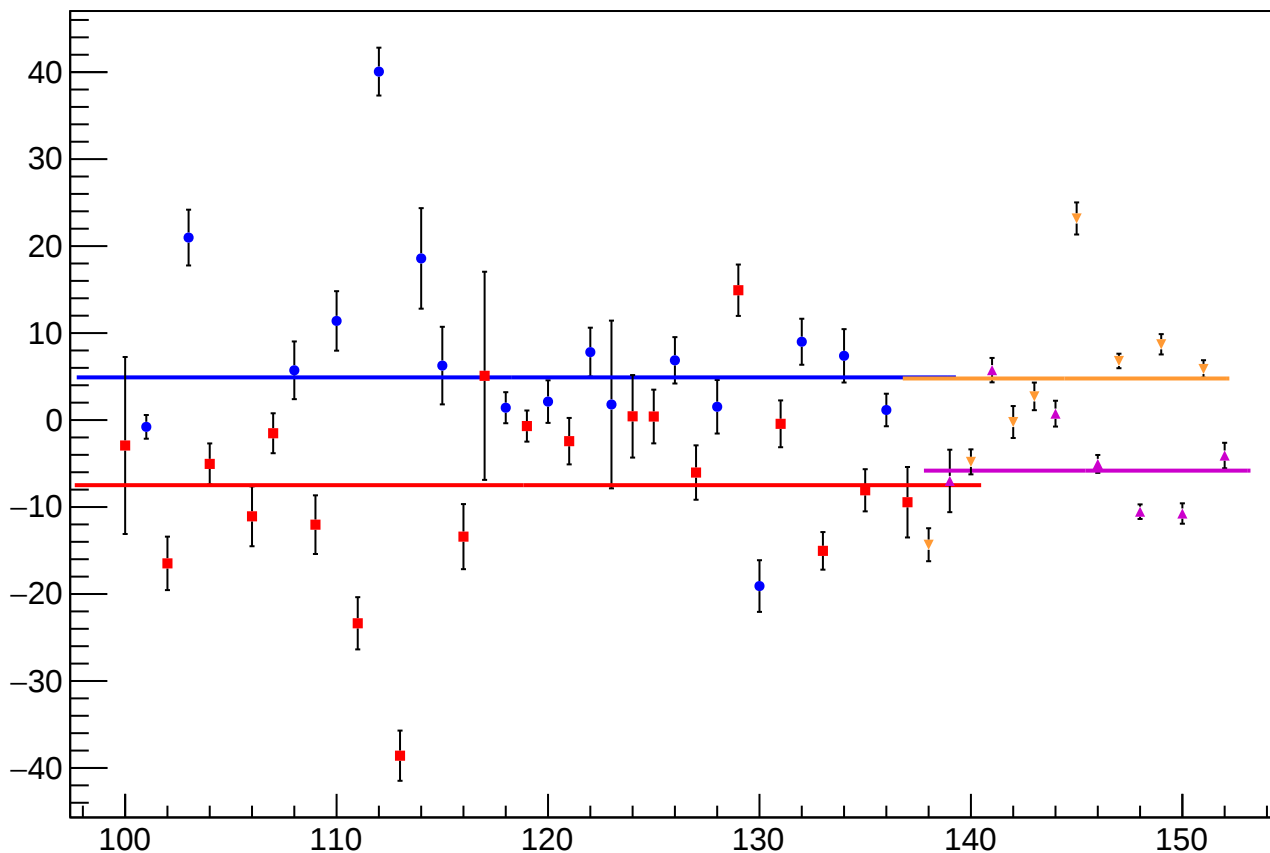
0.775+/-0.497 χ^2/NDF : 21517.6/14

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

73.753+/-0.709 χ^2/NDF : 123.4/6

Left In: 73.753+/-0.709 χ^2/NDF : 123.4/6

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.907 ± 0.628 $\chi^2/\text{NDF}: 295.4/16$

Left Out: 4.778 ± 0.452 $\chi^2/\text{NDF}: 273.0/7$

Right Out: -7.486 ± 0.650 $\chi^2/\text{NDF}: 271.7/19$

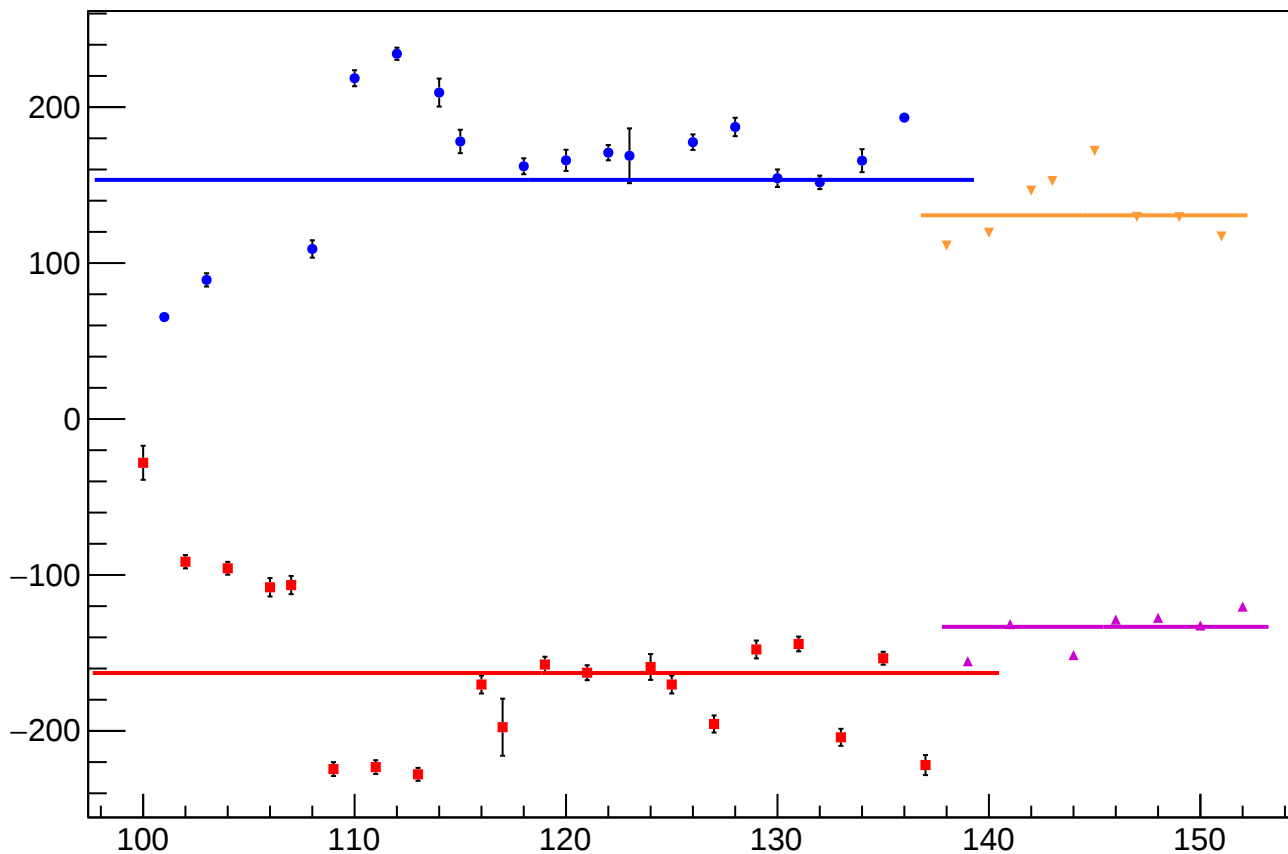
Left In: -5.815 ± 0.466 $\chi^2/\text{NDF}: 138.6/6$

4.822 ± 0.367 $\chi^2/\text{NDF}: 568.4/24$

-0.598 ± 0.263 $\chi^2/\text{NDF}: 1434.9/51$

-6.383 ± 0.379 $\chi^2/\text{NDF}: 414.7/26$

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

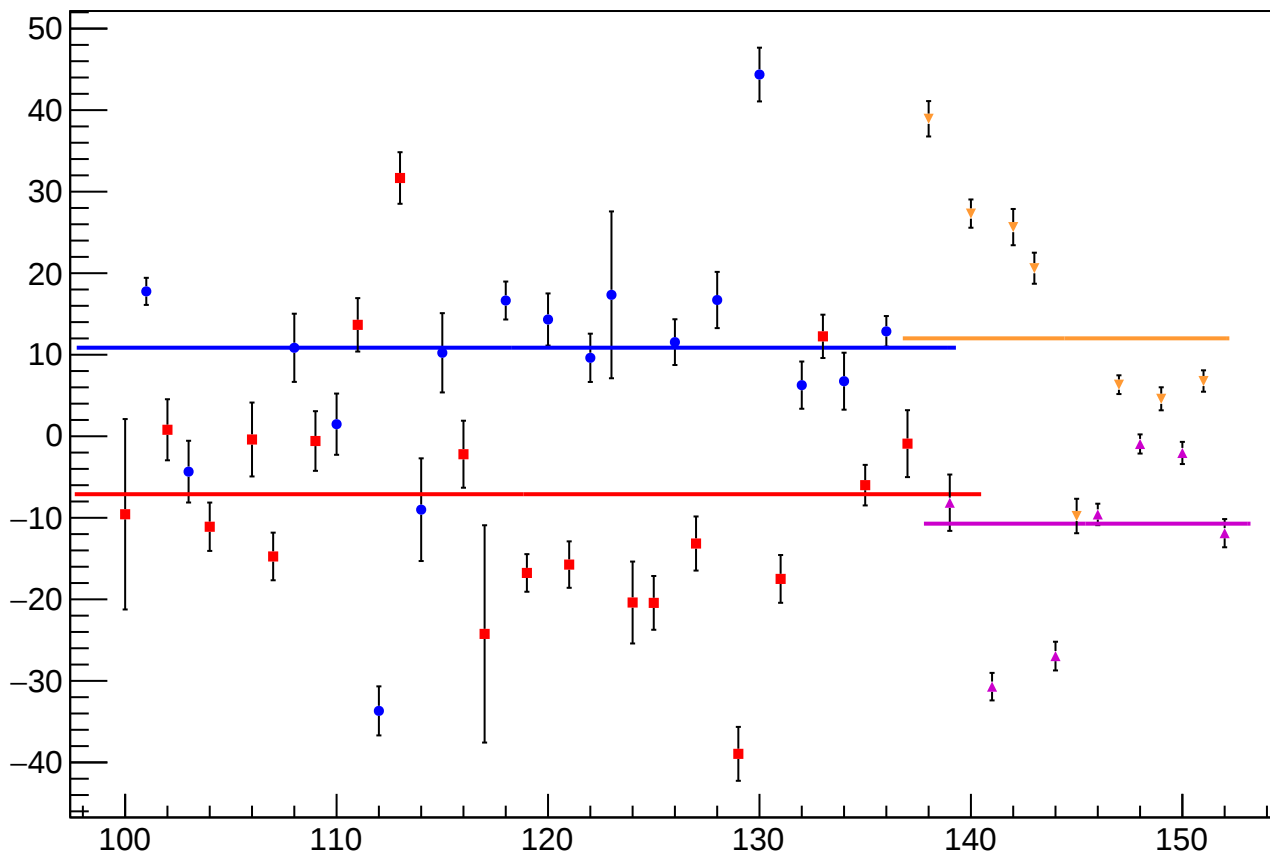
Left In: -133.262 $\pm$ 0.700 χ^2 /NDF: 239.0/6

136.757 $\pm$ 0.598 χ^2 /NDF: 3180.2/24

-1.282 $\pm$ 0.424 χ^2 /NDF: 112984.3/51

-141.023 $\pm$ 0.601 χ^2 /NDF: 2420.6/26

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

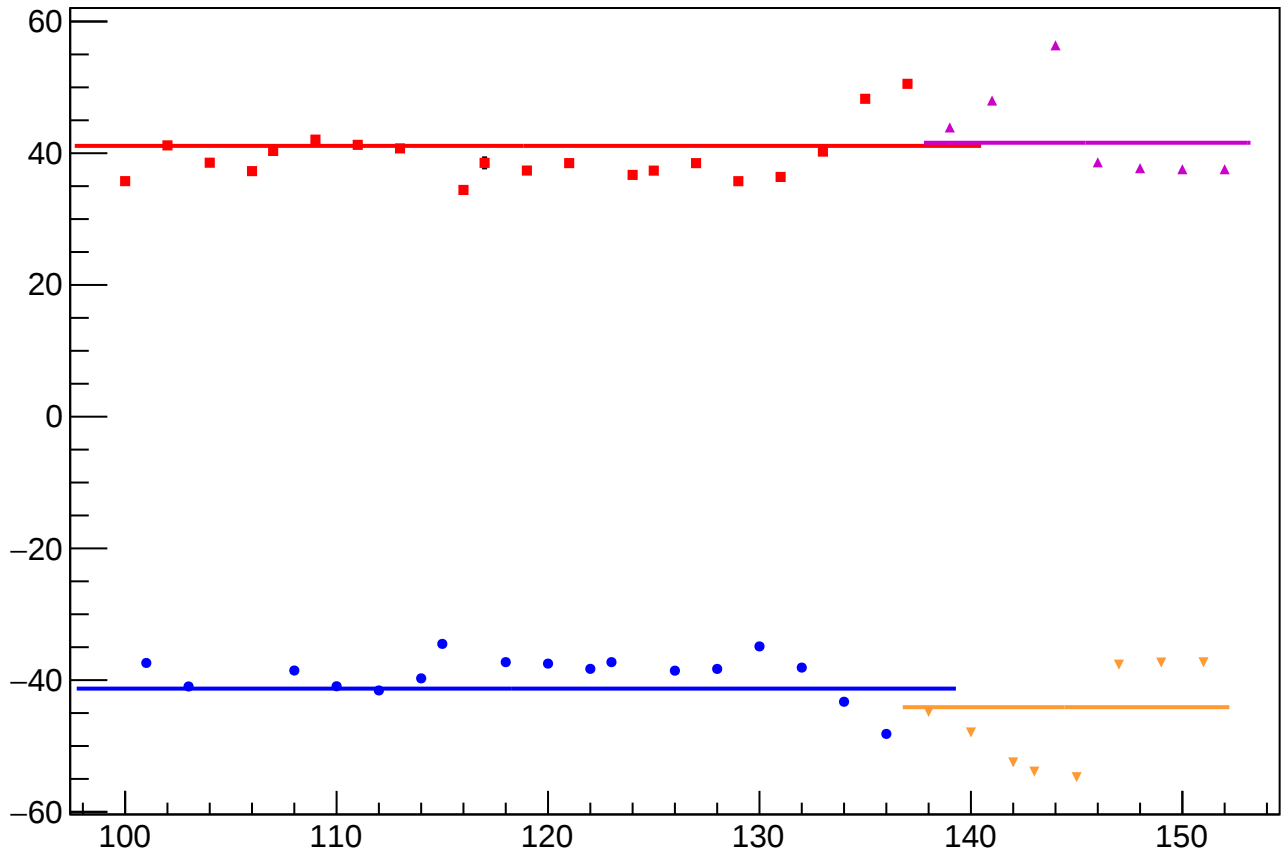
Left In: -10.718 $\pm$ 0.584 χ^2/NDF : 337.0/6

11.568 $\pm$ 0.446 χ^2/NDF : 853.5/24

1.419 $\pm$ 0.320 χ^2/NDF : 2696.5/51

-9.347 $\pm$ 0.460 χ^2/NDF : 777.9/26

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

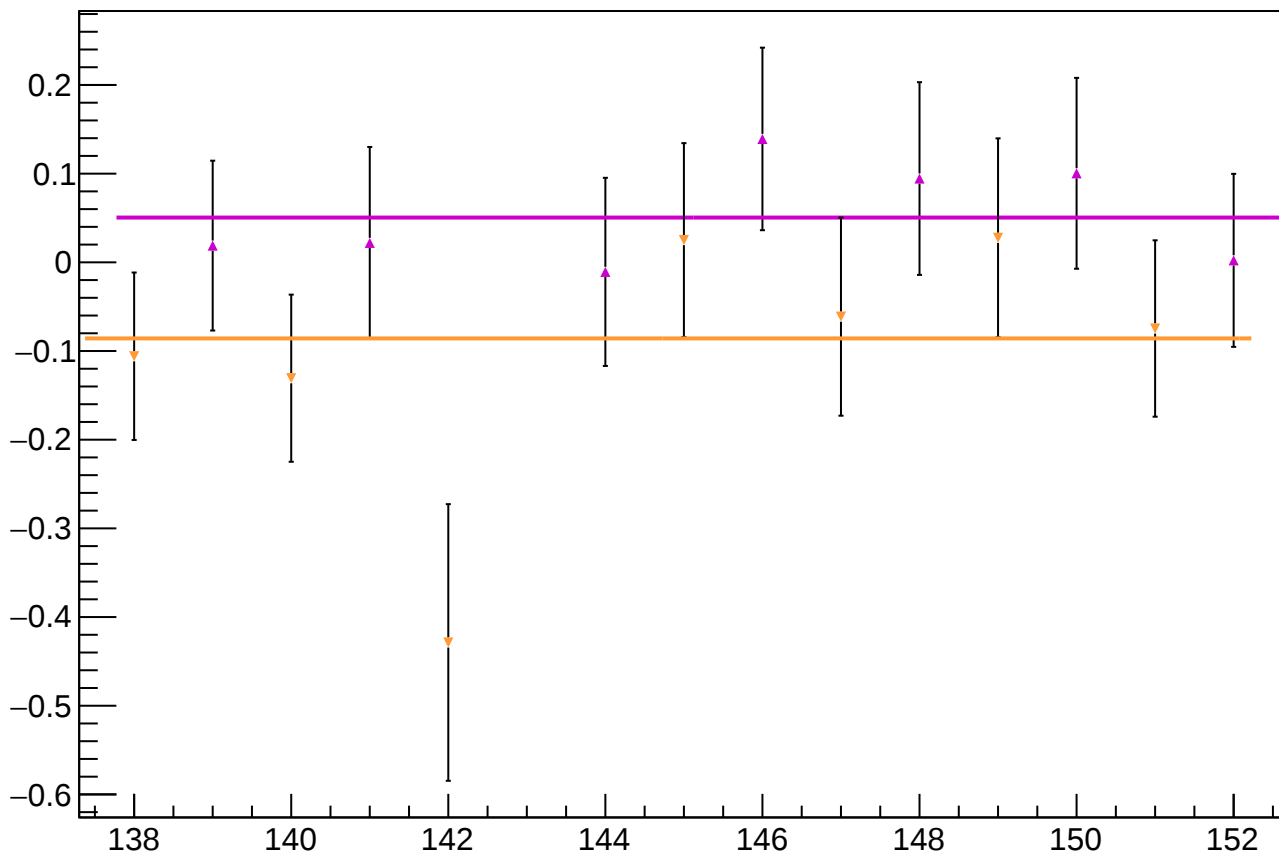
Left In: 41.591 ± 0.029 χ^2/NDF : 40482.1/6

-43.056 ± 0.024 χ^2/NDF : 70326.5/24

-0.236 ± 0.017 χ^2/NDF : 6625822.5/51

41.418 ± 0.023 χ^2/NDF : 52699.1/26

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

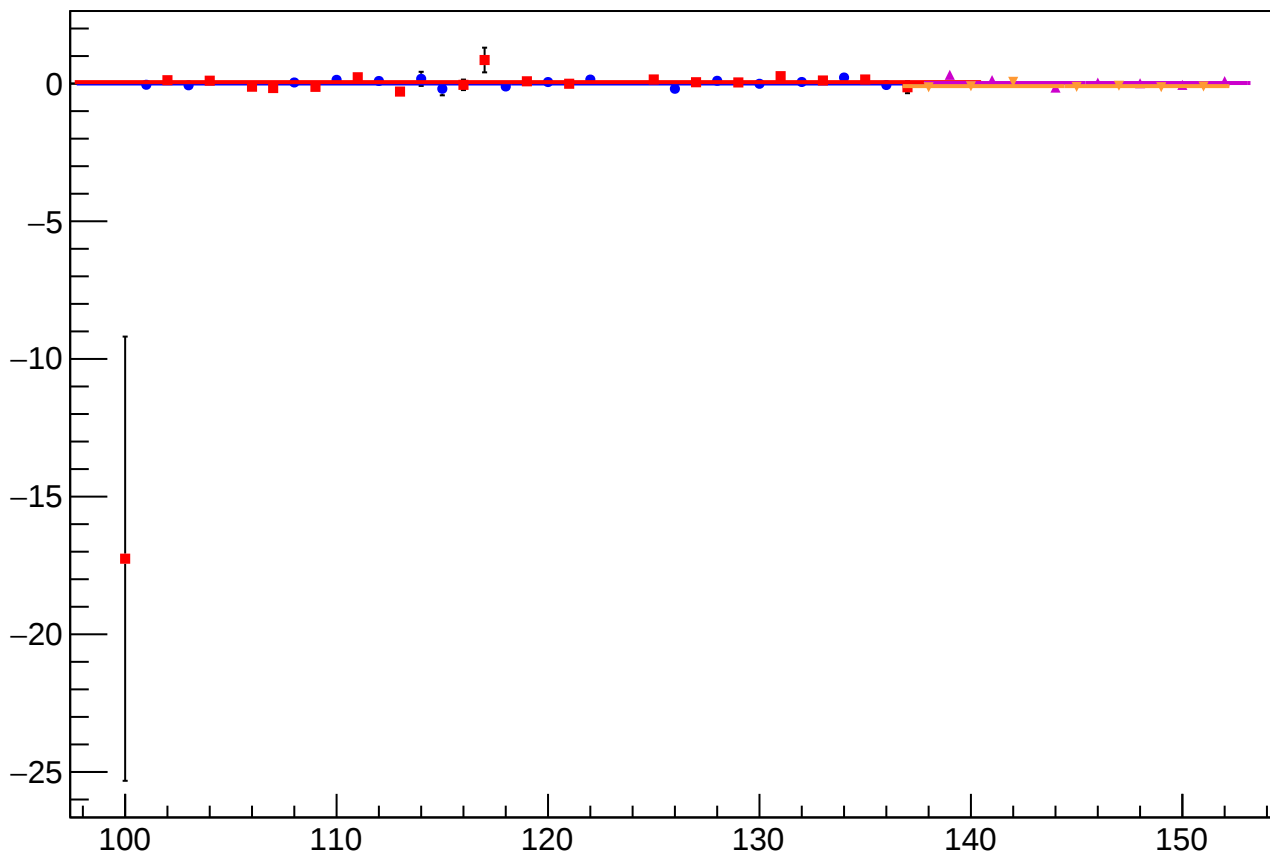
Left In: 0.050+/-0.039 χ^2/NDF : 1.9/6

-0.086+/-0.040 χ^2/NDF : 7.2/6

-0.015+/-0.028 χ^2/NDF : 15.0/13

0.050+/-0.039 χ^2/NDF : 1.9/6

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.003+/-0.029 χ^2/NDF : 12.4/15

Left Out: -0.092+/-0.027 χ^2/NDF : 3.2/6

Right Out: 0.053+/-0.029 χ^2/NDF : 28.8/18

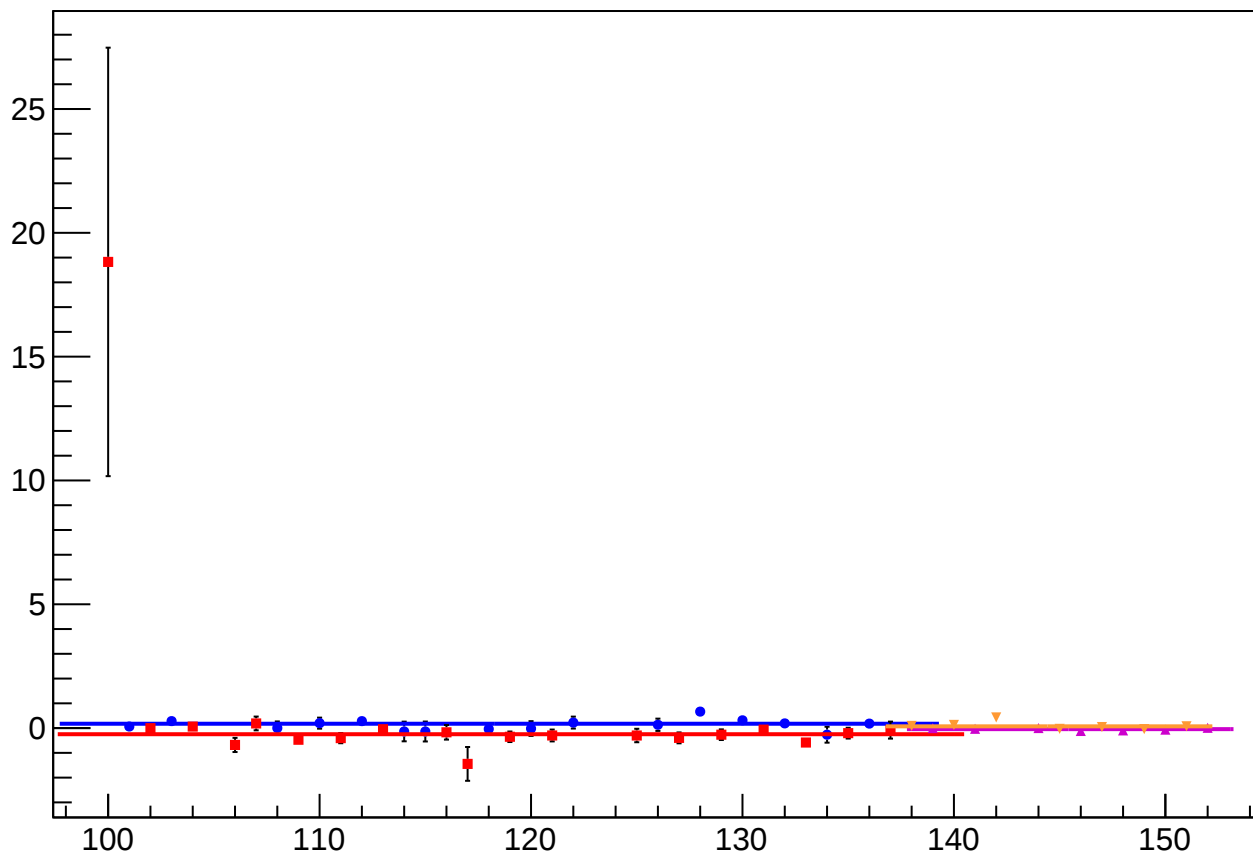
Left In: 0.021+/-0.027 χ^2/NDF : 11.4/6

-0.046+/-0.020 χ^2/NDF : 21.4/22

-0.005+/-0.014 χ^2/NDF : 70.9/48

0.036+/-0.020 χ^2/NDF : 40.9/25

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

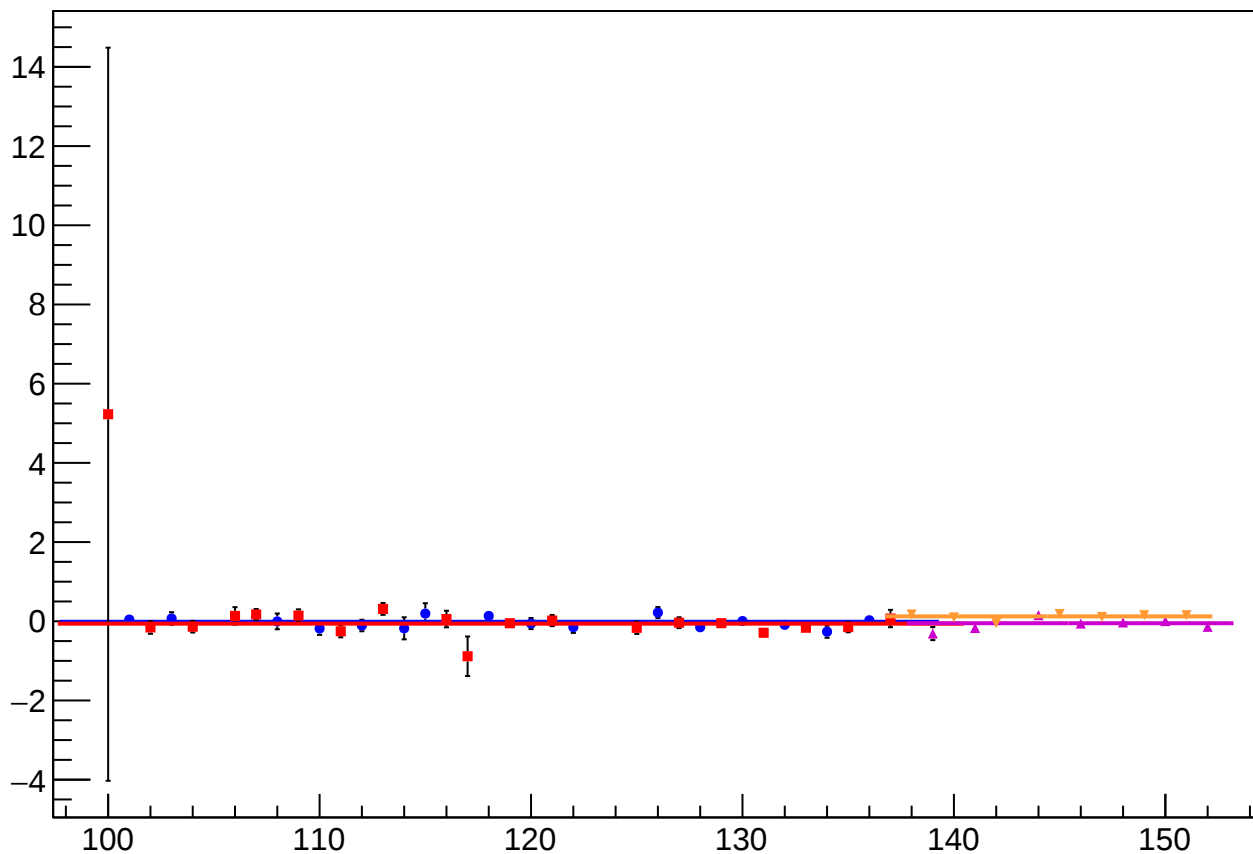
Left In: -0.042 ± 0.039 χ^2/NDF : 1.5/6

0.110 ± 0.032 χ^2/NDF : 22.5/22

-0.004 ± 0.023 χ^2/NDF : 82.7/48

-0.113 ± 0.032 χ^2/NDF : 35.8/25

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

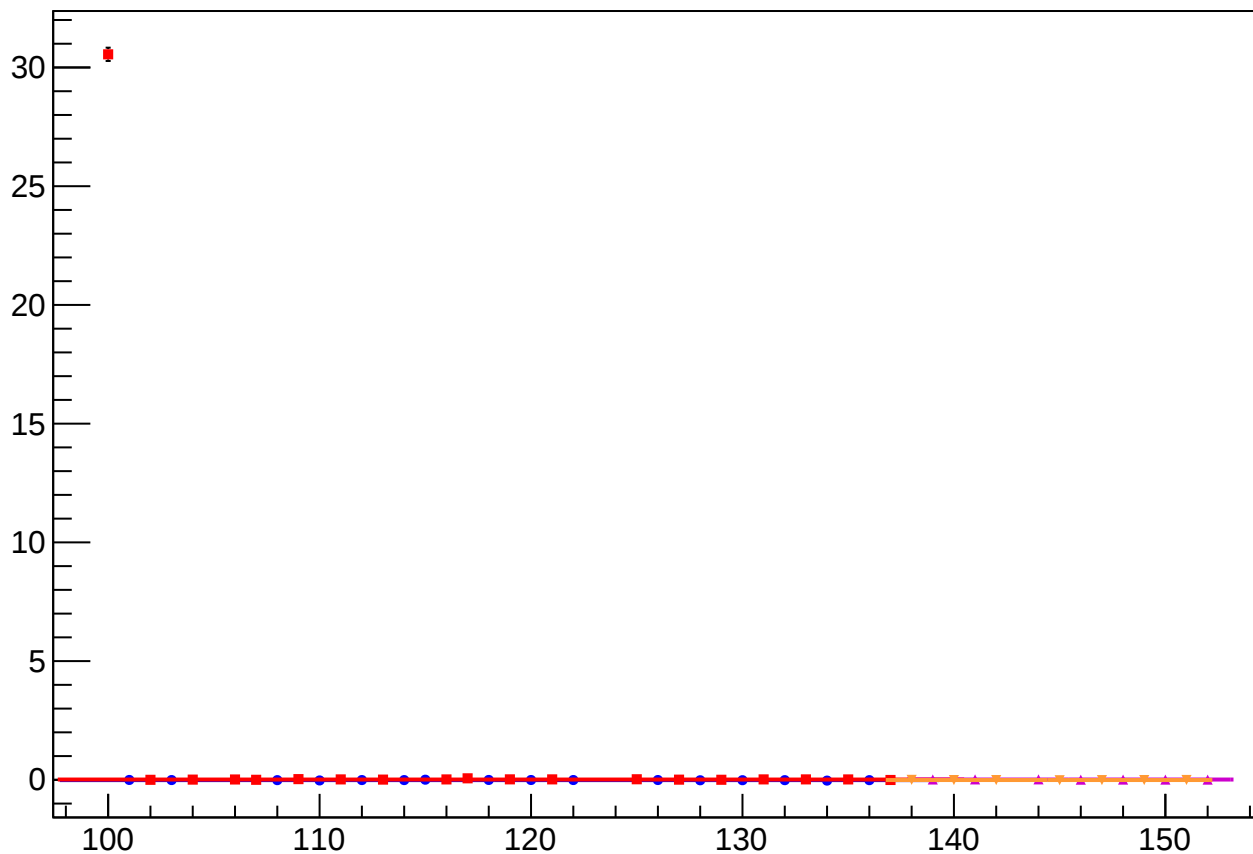
Left In: -0.049 ± 0.033 χ^2/NDF : 10.8/6

0.053 ± 0.024 χ^2/NDF : 24.9/22

-0.001 ± 0.017 χ^2/NDF : 69.2/48

-0.055 ± 0.024 χ^2/NDF : 34.0/25

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

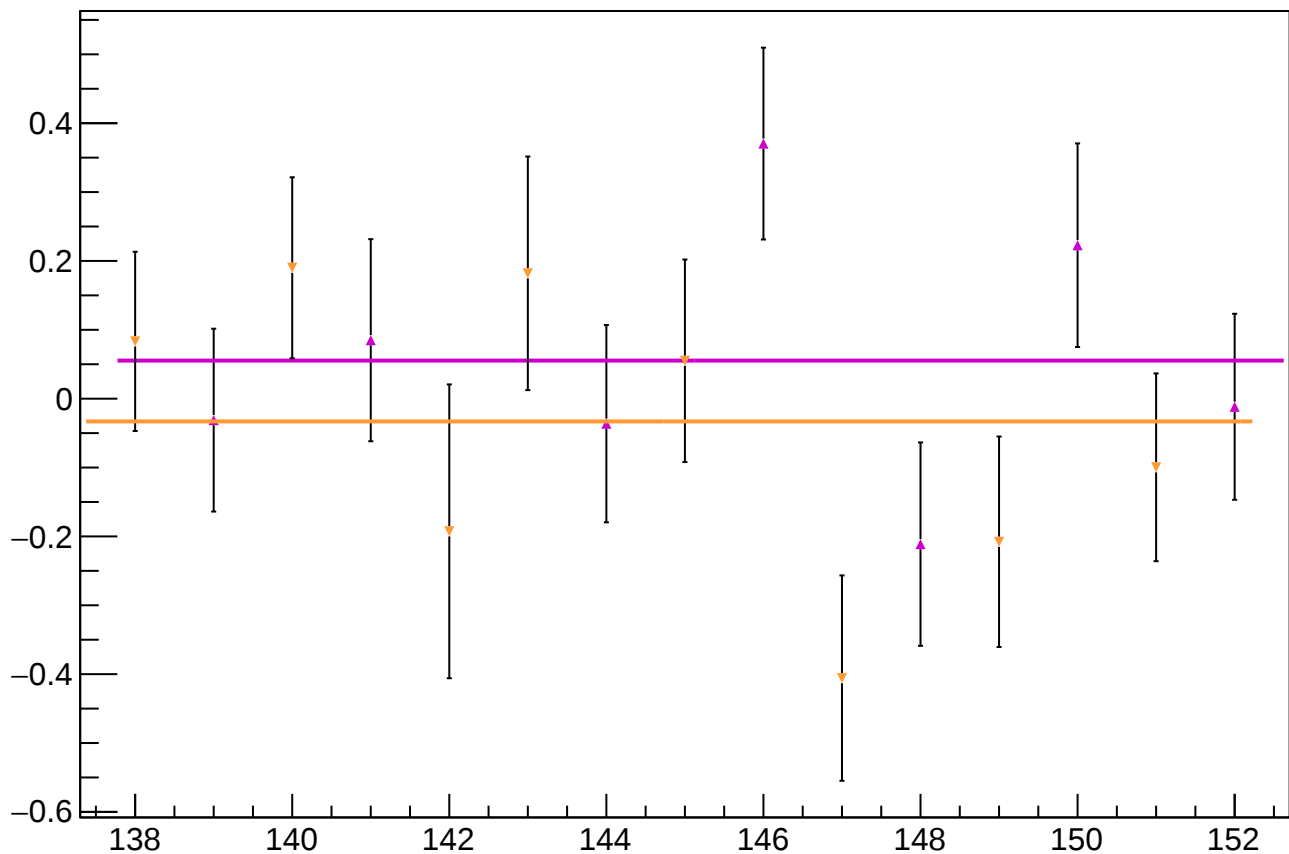
Left In: 0.012 ± 0.002 χ^2/NDF : 7.5/6

-0.010 ± 0.001 χ^2/NDF : 21.8/22

0.001 ± 0.001 χ^2/NDF : 12094.4/48

0.012 ± 0.001 χ^2/NDF : 11901.5/25

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.033 $\pm$ 0.053 χ^2 /NDF: 14.0/7

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

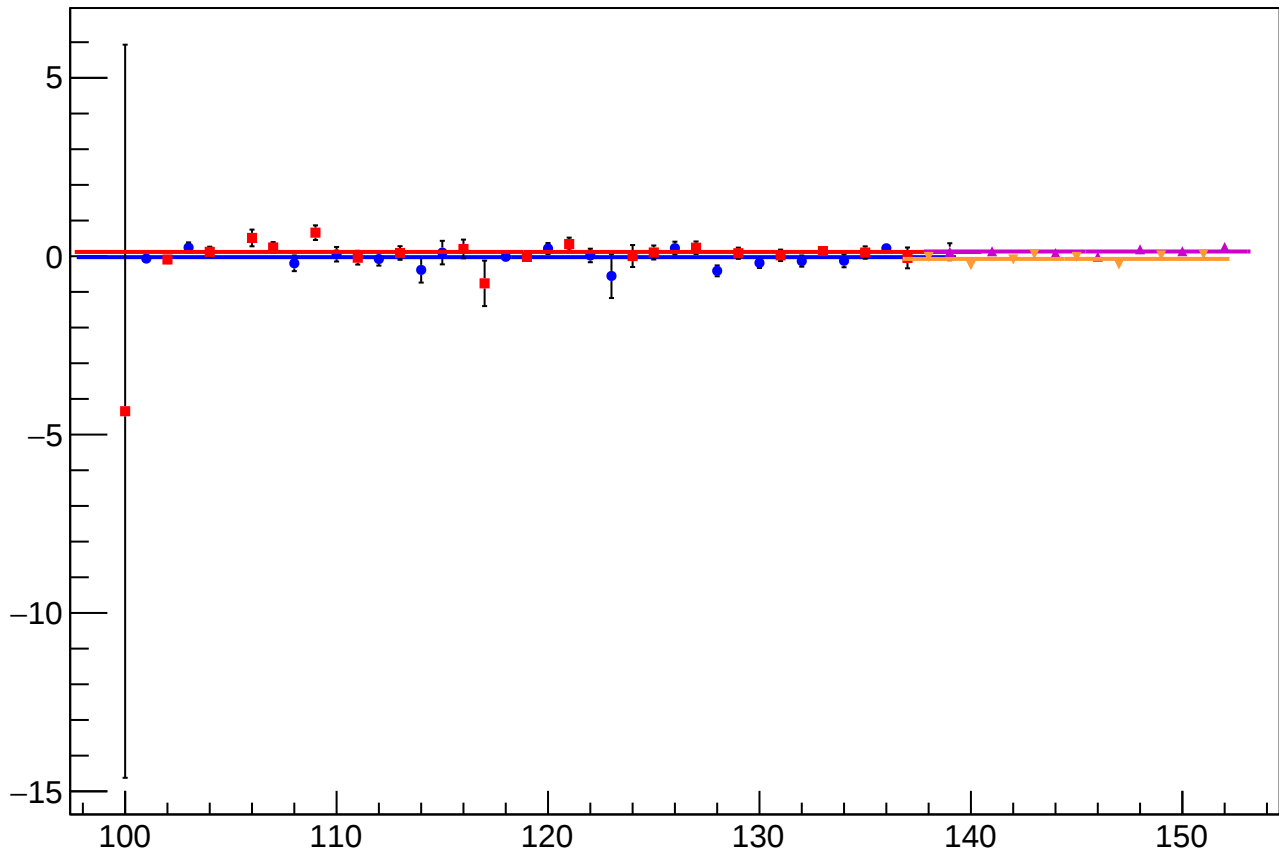
Left In: 0.055 $\pm$ 0.053 χ^2 /NDF: 10.8/6

-0.033 $\pm$ 0.053 χ^2 /NDF: 14.0/7

0.010 $\pm$ 0.037 χ^2 /NDF: 26.2/14

0.055 $\pm$ 0.053 χ^2 /NDF: 10.8/6

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

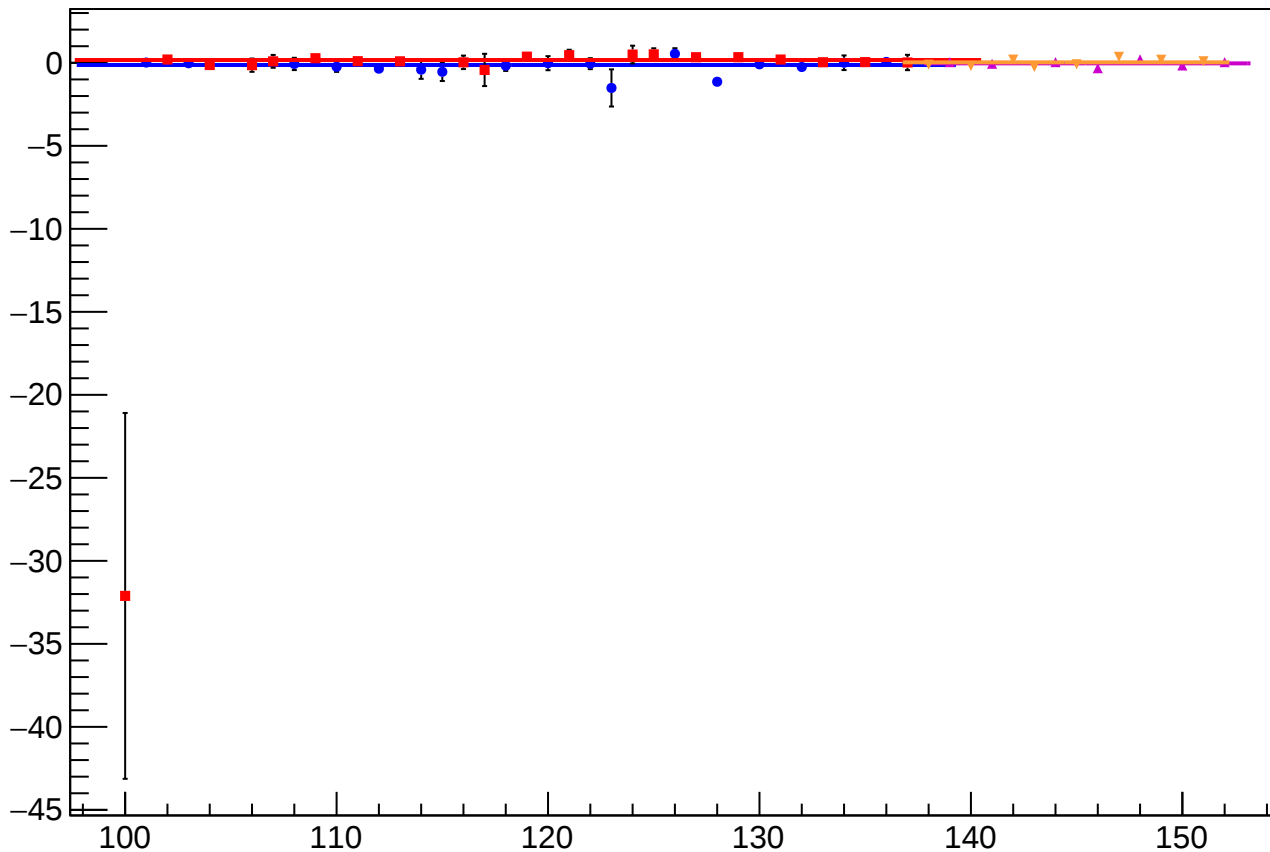
Left In: 0.133 ± 0.037 χ^2/NDF : 5.5/6

-0.052 ± 0.026 χ^2/NDF : 36.6/24

0.033 ± 0.018 χ^2/NDF : 85.6/51

0.127 ± 0.027 χ^2/NDF : 25.8/26

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

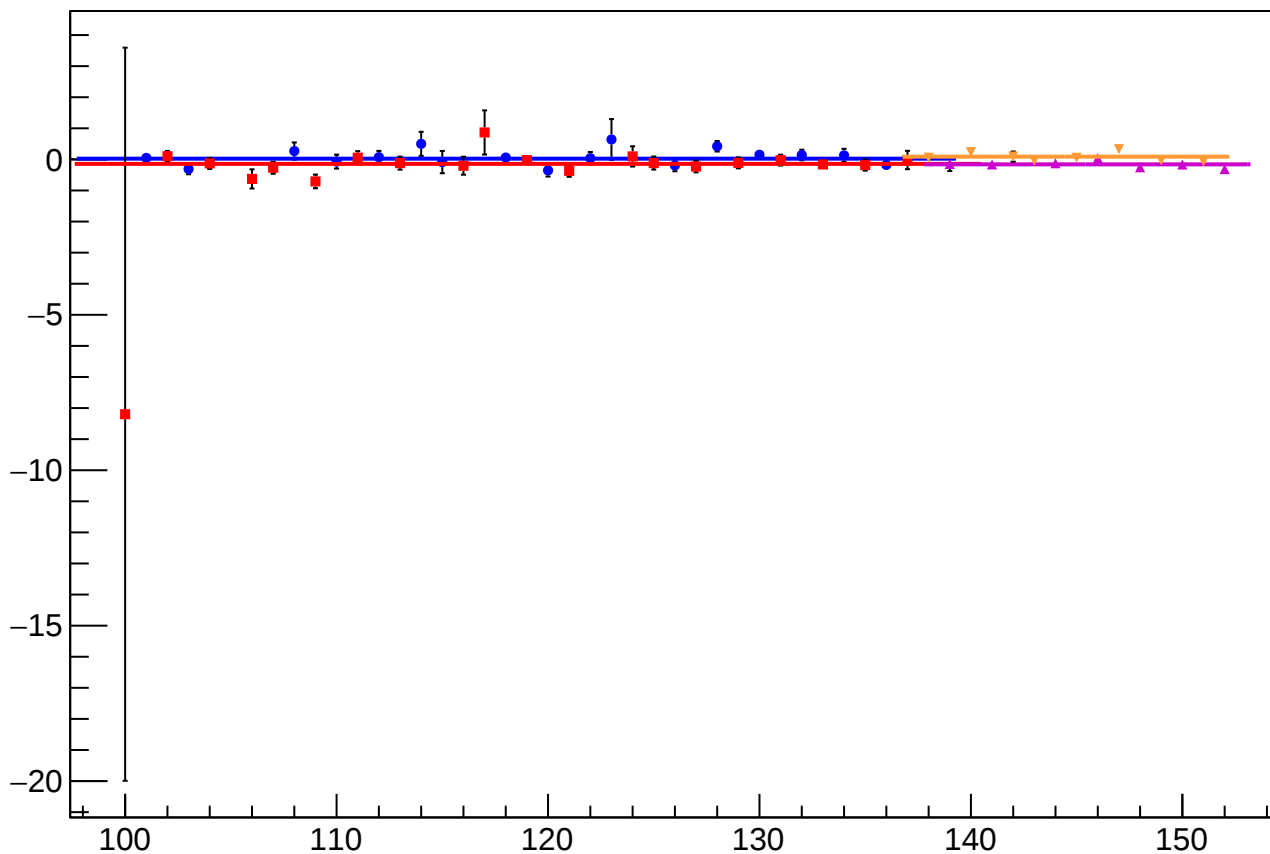
Left In: -0.033 ± 0.053 χ^2/NDF : 9.5/6

-0.032 ± 0.042 χ^2/NDF : 40.7/24

0.003 ± 0.030 χ^2/NDF : 72.1/51

0.040 ± 0.043 χ^2/NDF : 30.0/26

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

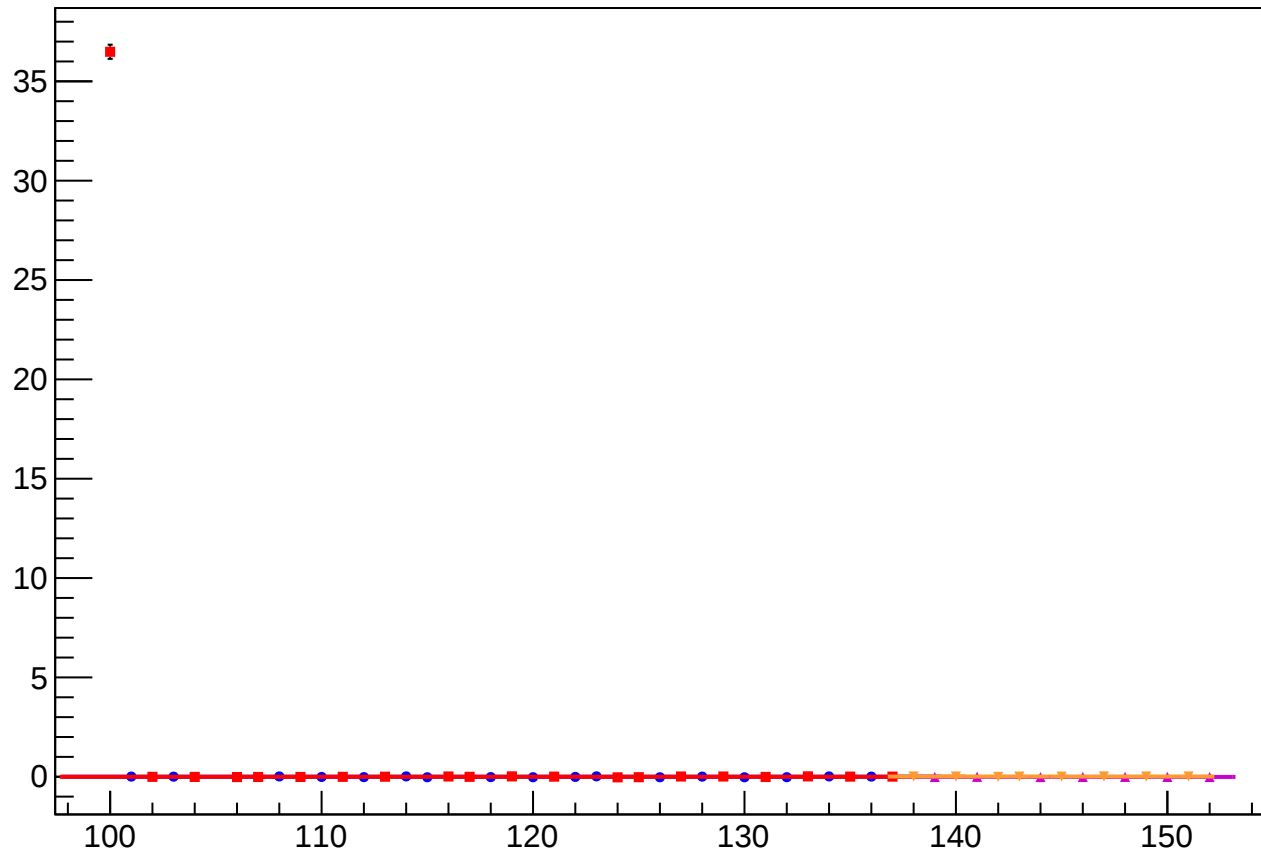
Left In: -0.159 ± 0.046 χ^2/NDF : 6.1/6

0.054 ± 0.031 χ^2/NDF : 34.3/24

-0.044 ± 0.022 χ^2/NDF : 80.5/51

-0.152 ± 0.032 χ^2/NDF : 24.8/26

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 30.6/16

Left Out: 0.010 $\pm$ 0.002 χ^2 /NDF: 4.5/7

Right Out: -0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/19

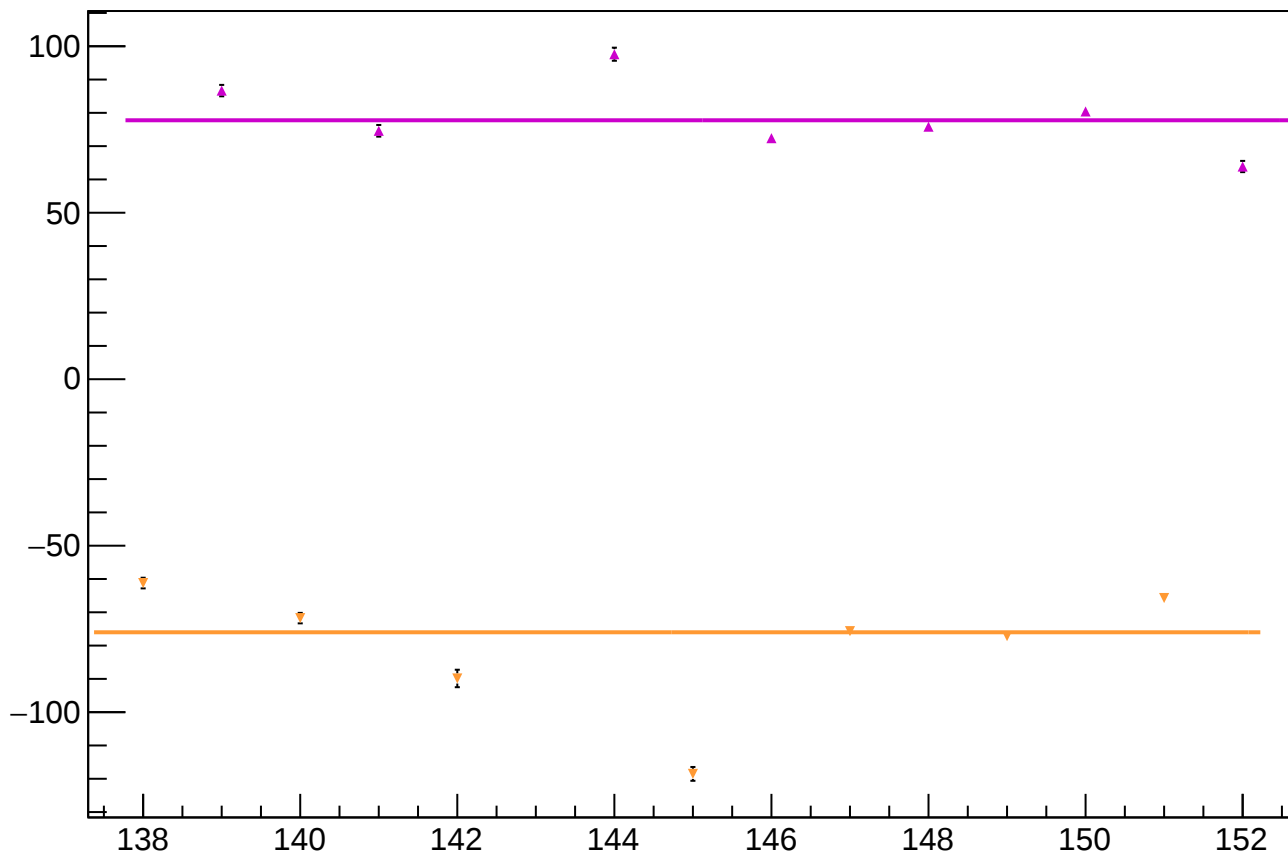
Left In: -0.010 $\pm$ 0.002 χ^2 /NDF: 2.7/6

0.006 $\pm$ 0.002 χ^2 /NDF: 43.0/24

0.000 $\pm$ 0.001 χ^2 /NDF: 10530.3/51

-0.006 $\pm$ 0.002 χ^2 /NDF: 10460.4/26

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

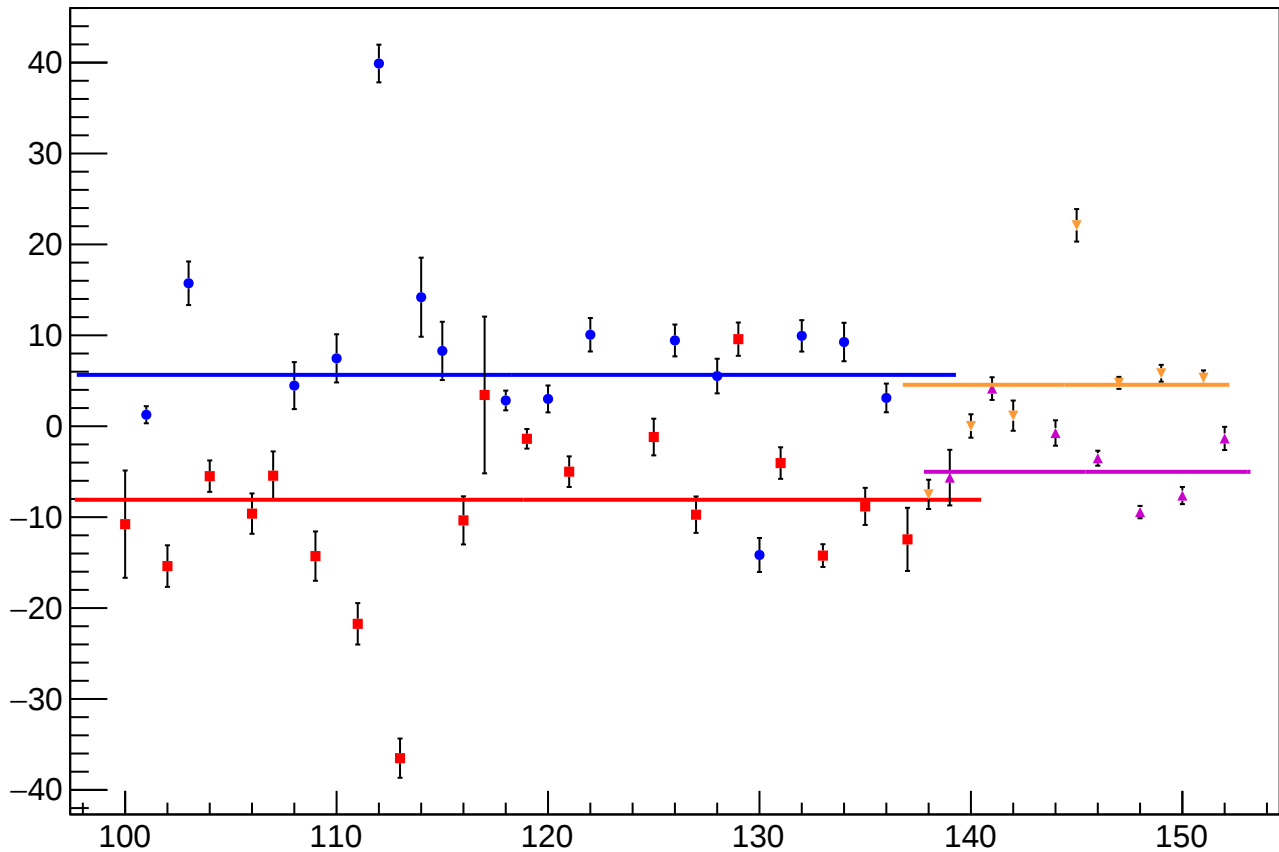
Left In: 77.767+/-0.599 χ^2/NDF : 219.6/6

-76.004+/-0.616 χ^2/NDF : 590.2/6

3.087+/-0.430 χ^2/NDF : 32811.0/13

77.767+/-0.599 χ^2/NDF : 219.6/6

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

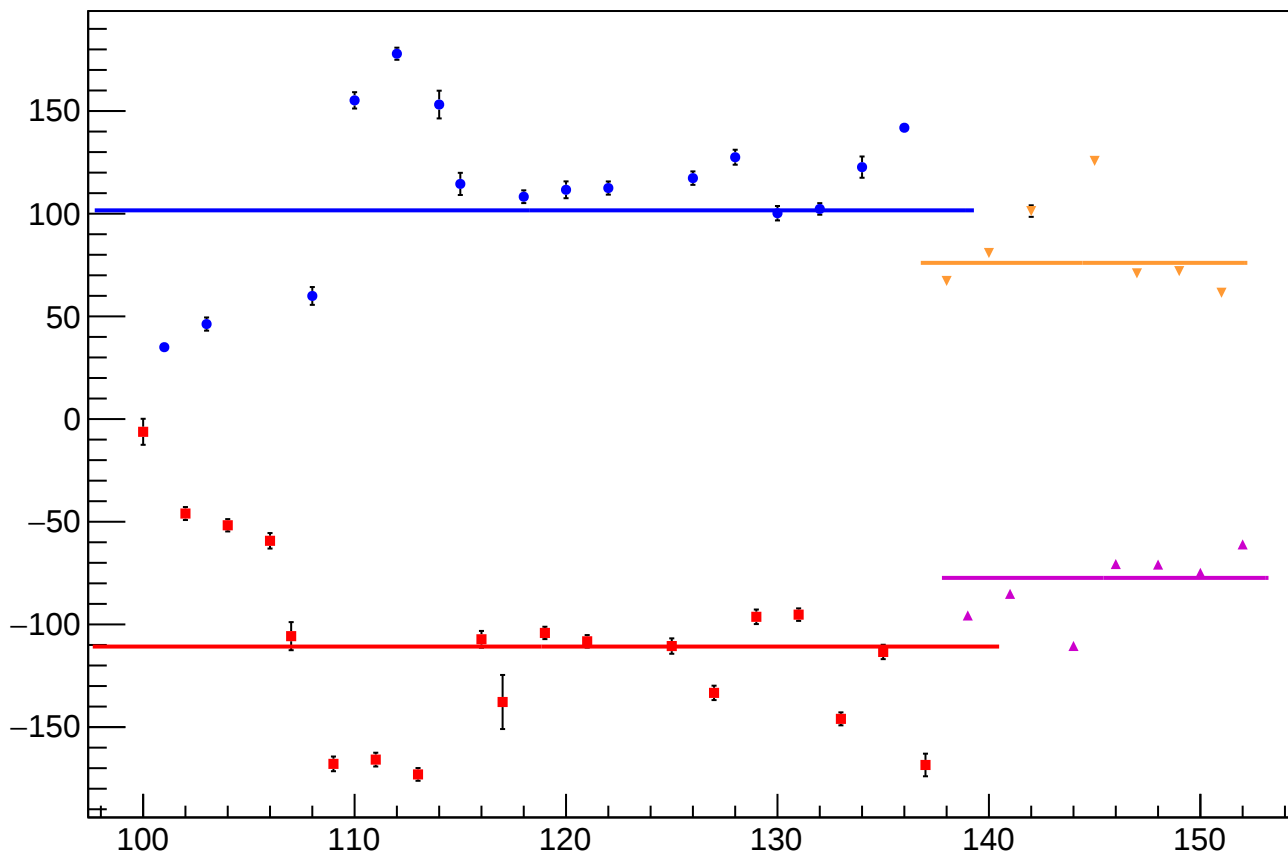
Left In: -5.013 ± 0.389 χ^2/NDF : 124.6/6

5.051 ± 0.288 χ^2/NDF : 637.1/22

-0.497 ± 0.206 χ^2/NDF : 1960.1/48

-6.320 ± 0.295 χ^2/NDF : 560.8/25

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

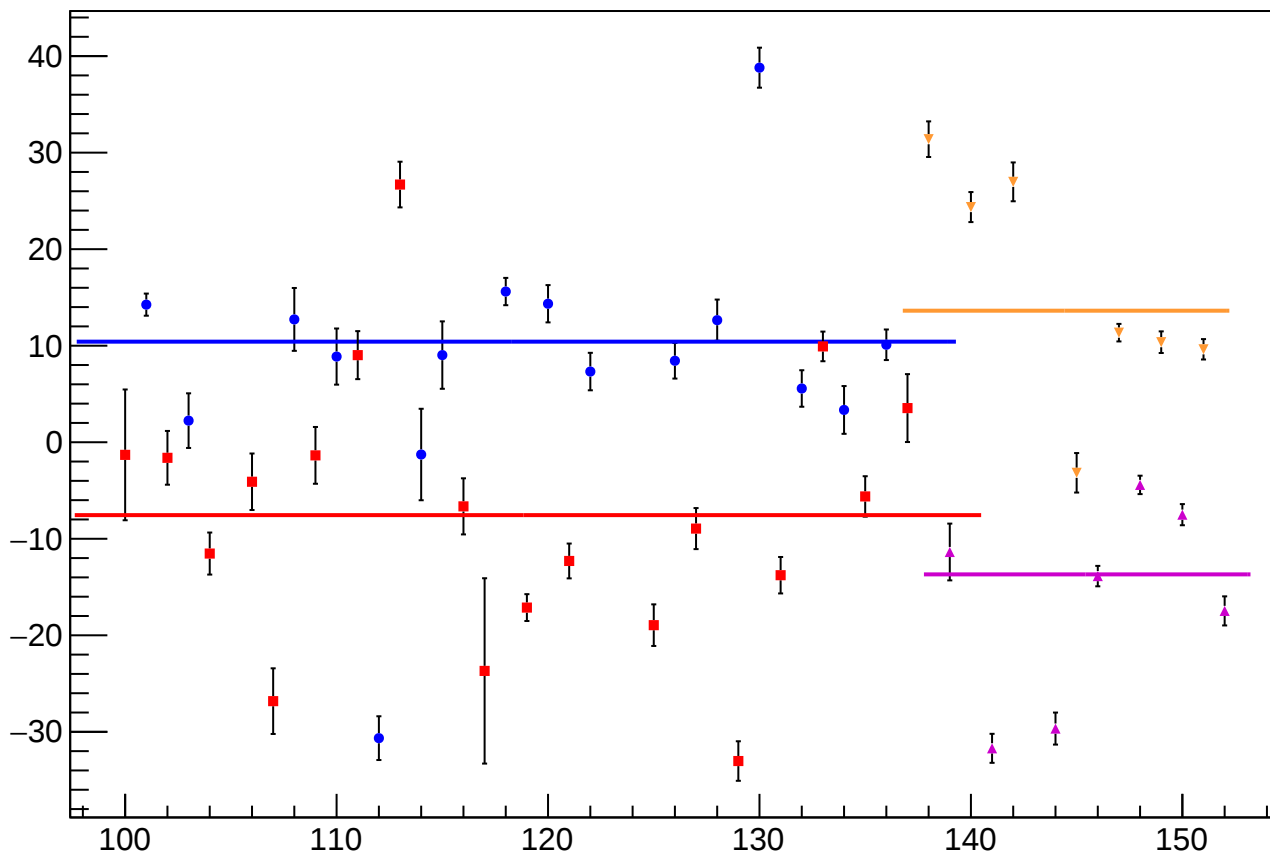
Left In: -77.337 $\pm$ 0.589 χ^2/NDF : 517.0/6

85.301 $\pm$ 0.488 χ^2/NDF : 4391.6/22

-2.858 $\pm$ 0.343 χ^2/NDF : 72793.3/48

-88.445 $\pm$ 0.481 χ^2/NDF : 4107.9/25

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

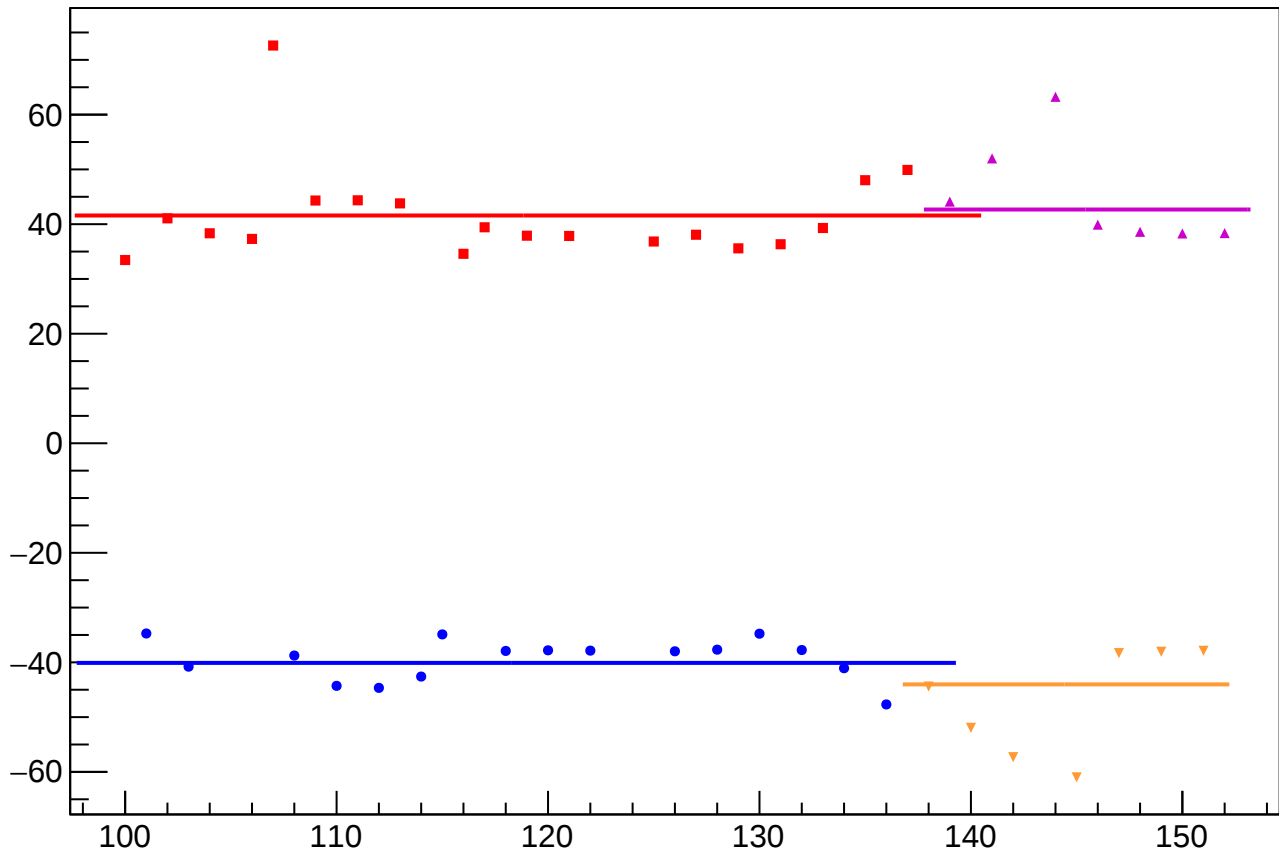
Left In: -13.689+/-0.489 χ^2/NDF : 369.9/6

12.034+/-0.351 χ^2/NDF : 881.5/22

0.809+/-0.250 χ^2/NDF : 4105.7/48

-10.825+/-0.357 χ^2/NDF : 1135.8/25

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.098 $\pm$ 0.028 χ^2 /NDF: 25073.4/15

Left Out: -44.022 $\pm$ 0.026 χ^2 /NDF: 94425.6/6

Right Out: 41.588 $\pm$ 0.029 χ^2 /NDF: 61690.5/18

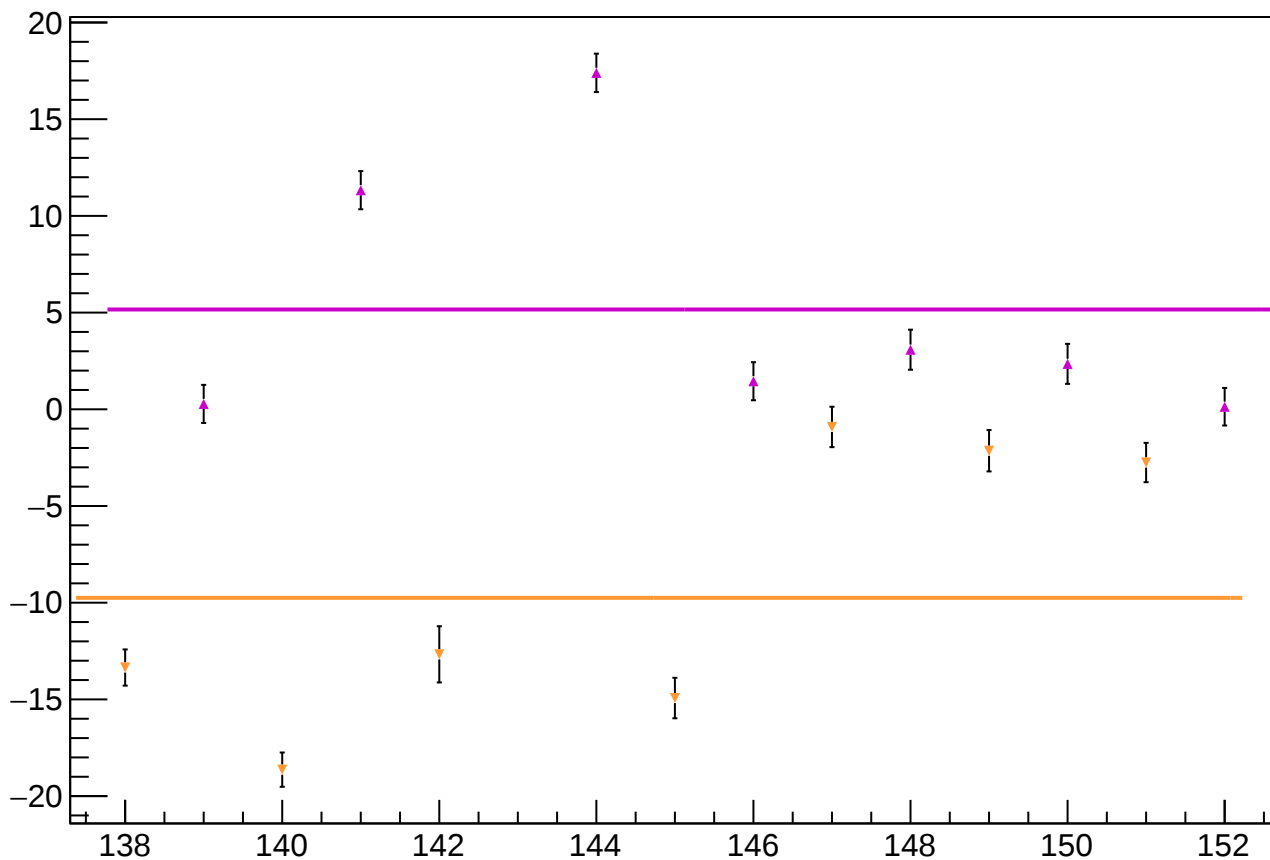
Left In: 42.677 $\pm$ 0.025 χ^2 /NDF: 83343.2/6

-42.204 $\pm$ 0.019 χ^2 /NDF: 129803.1/22

1.459 $\pm$ 0.013 χ^2 /NDF: 10196762.5/48

42.214 $\pm$ 0.019 χ^2 /NDF: 145870.9/25

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

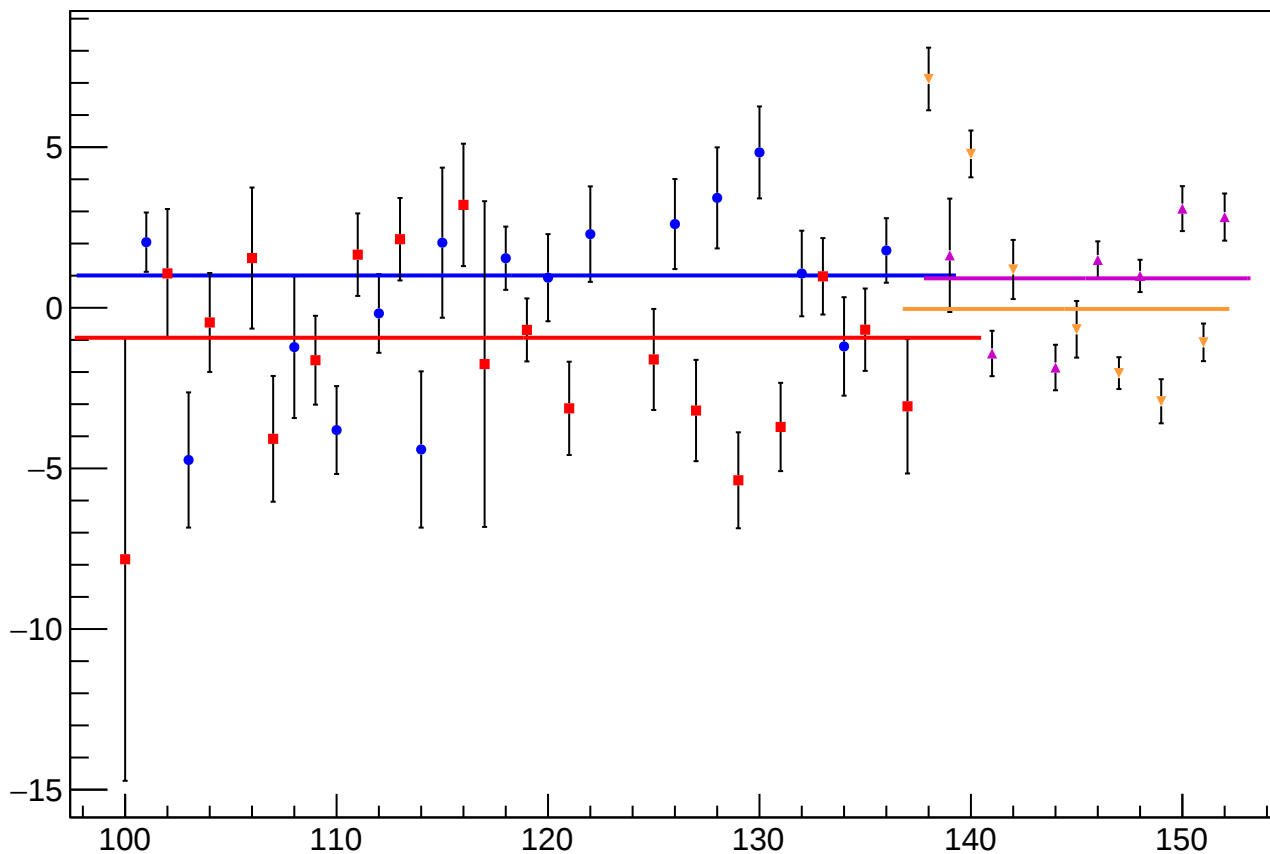
Left In: 5.161+/-0.377 χ^2/NDF : 268.3/6

-9.749+/-0.390 χ^2/NDF : 313.3/6

-2.032+/-0.271 χ^2/NDF : 1336.3/13

5.161+/-0.377 χ^2/NDF : 268.3/6

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.006 ± 0.342 $\chi^2/\text{NDF}: 42.7/15$

Left Out: -0.036 ± 0.263 $\chi^2/\text{NDF}: 137.0/6$

Right Out: -0.933 ± 0.352 $\chi^2/\text{NDF}: 41.9/18$

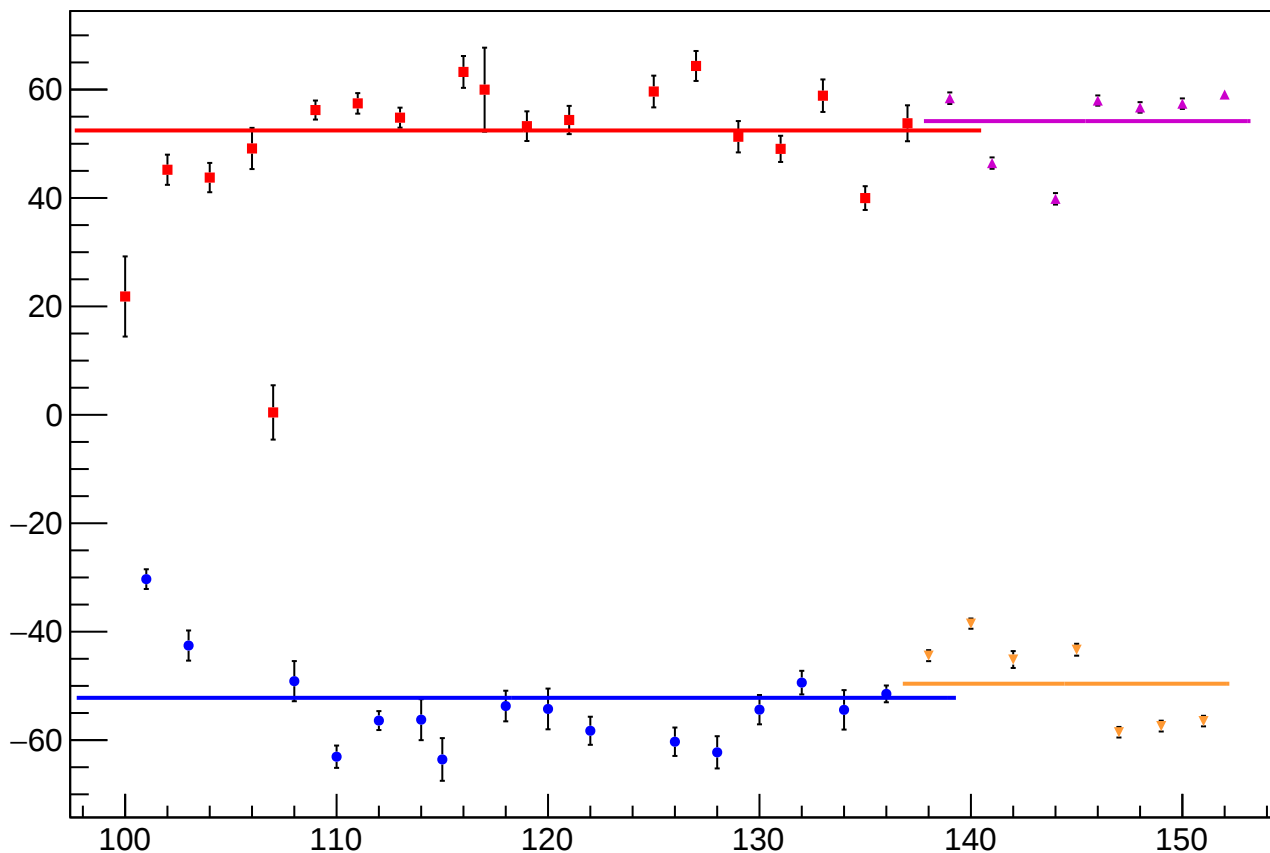
Left In: 0.917 ± 0.257 $\chi^2/\text{NDF}: 43.9/6$

0.351 ± 0.208 $\chi^2/\text{NDF}: 185.6/22$

0.313 ± 0.147 $\chi^2/\text{NDF}: 289.4/48$

0.275 ± 0.208 $\chi^2/\text{NDF}: 103.7/25$

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

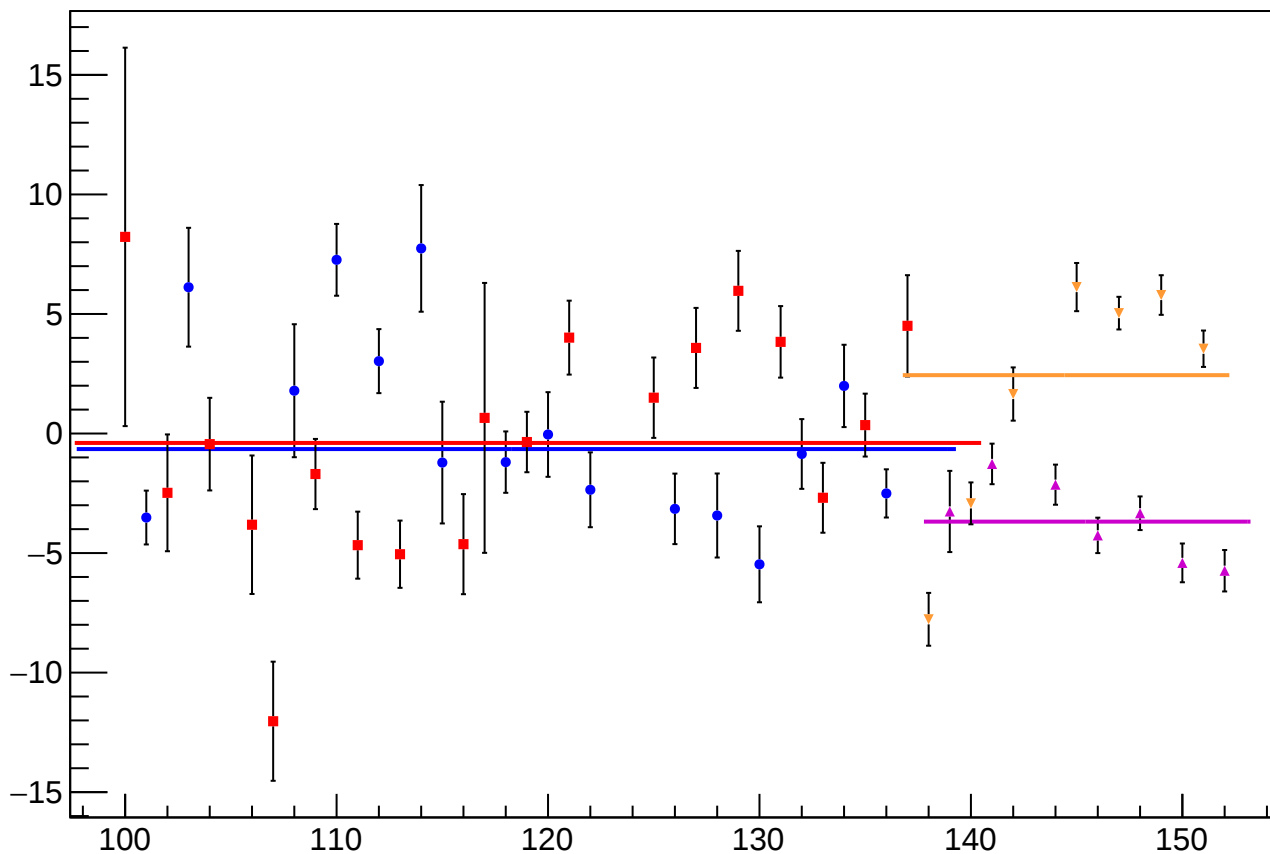
Left In: 54.179 ± 0.376 χ^2/NDF : 314.6/6

-50.355 ± 0.332 χ^2/NDF : 643.3/22

3.488 ± 0.230 χ^2/NDF : 52110.4/48

53.710 ± 0.320 χ^2/NDF : 555.2/25

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

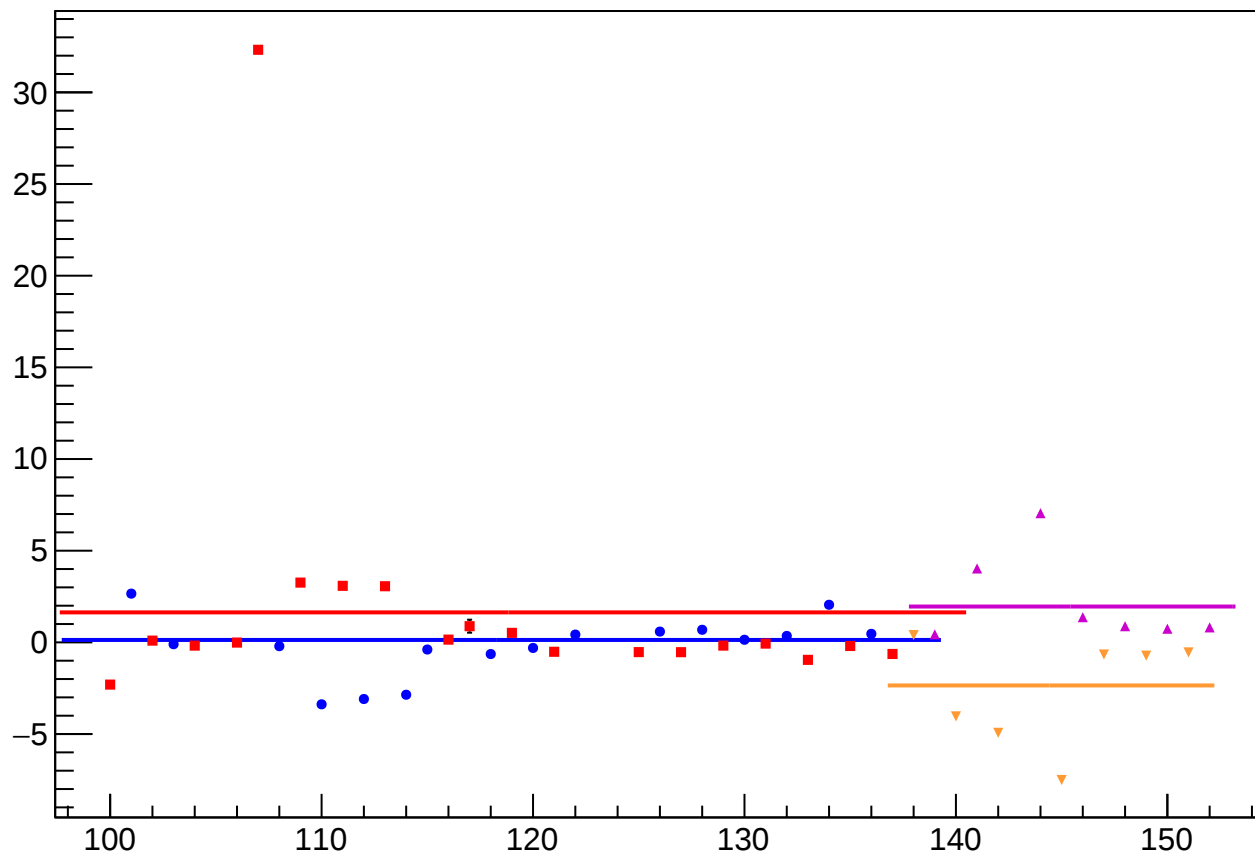
Left In: -3.685 ± 0.319 χ^2/NDF : 22.6/6

1.143 ± 0.251 χ^2/NDF : 288.6/22

-0.642 ± 0.177 χ^2/NDF : 549.5/48

-2.402 ± 0.249 χ^2/NDF : 160.1/25

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

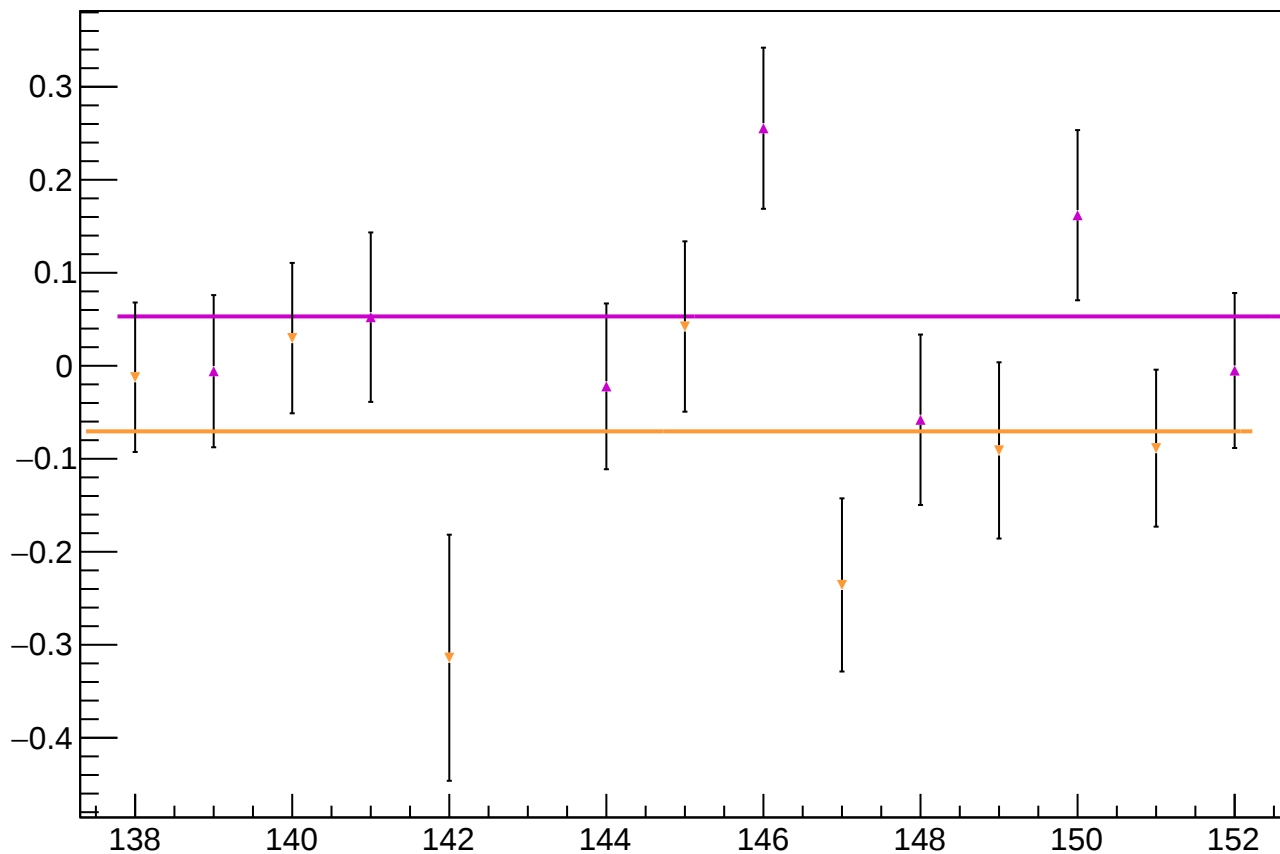
Left In: 1.955 ± 0.016 χ^2/NDF : 18750.9/6

-1.421 ± 0.013 χ^2/NDF : 40578.0/22

0.282 ± 0.009 χ^2/NDF : 169295.0/48

1.847 ± 0.013 χ^2/NDF : 96746.1/25

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

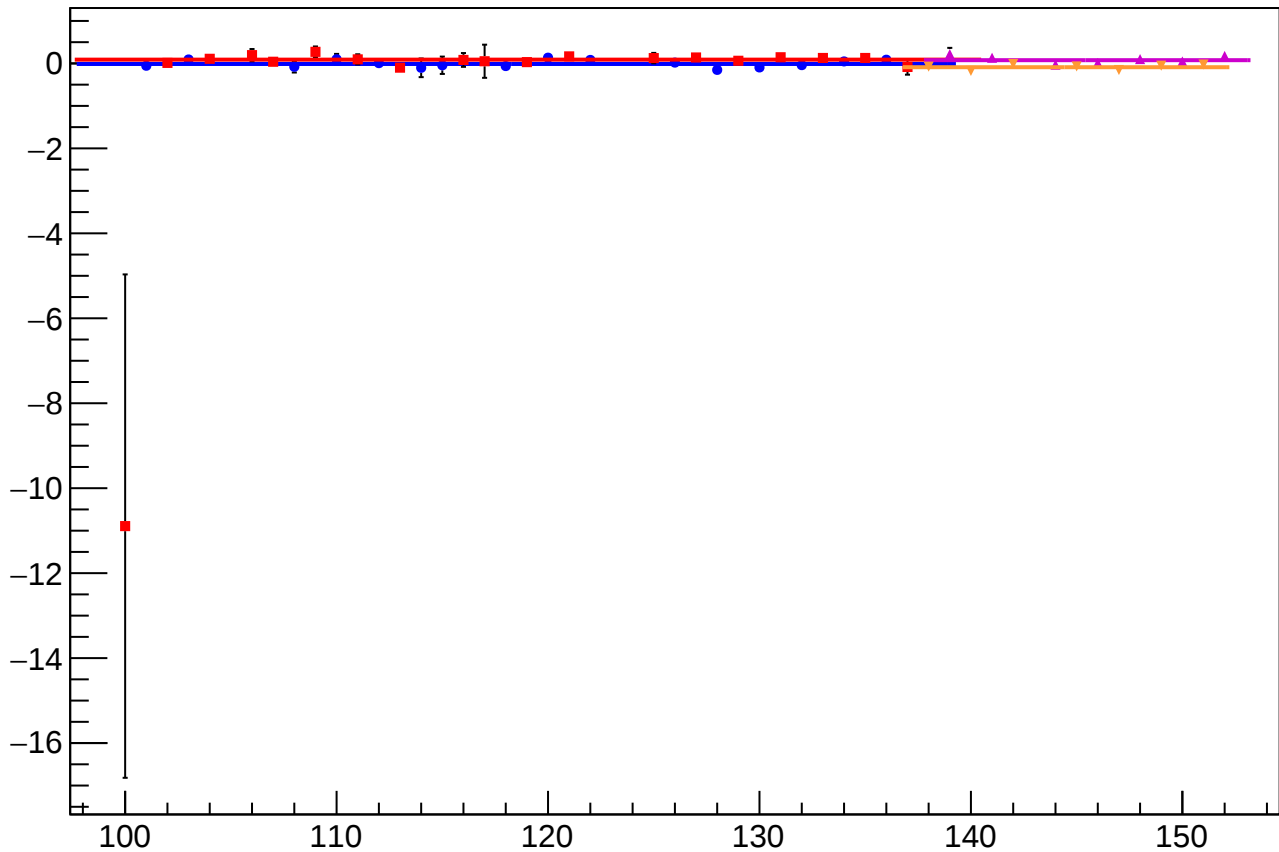
Left In: 0.053+/-0.033 χ^2/NDF : 10.1/6

-0.070+/-0.034 χ^2/NDF : 10.2/6

-0.007+/-0.024 χ^2/NDF : 27.0/13

0.053+/-0.033 χ^2/NDF : 10.1/6

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

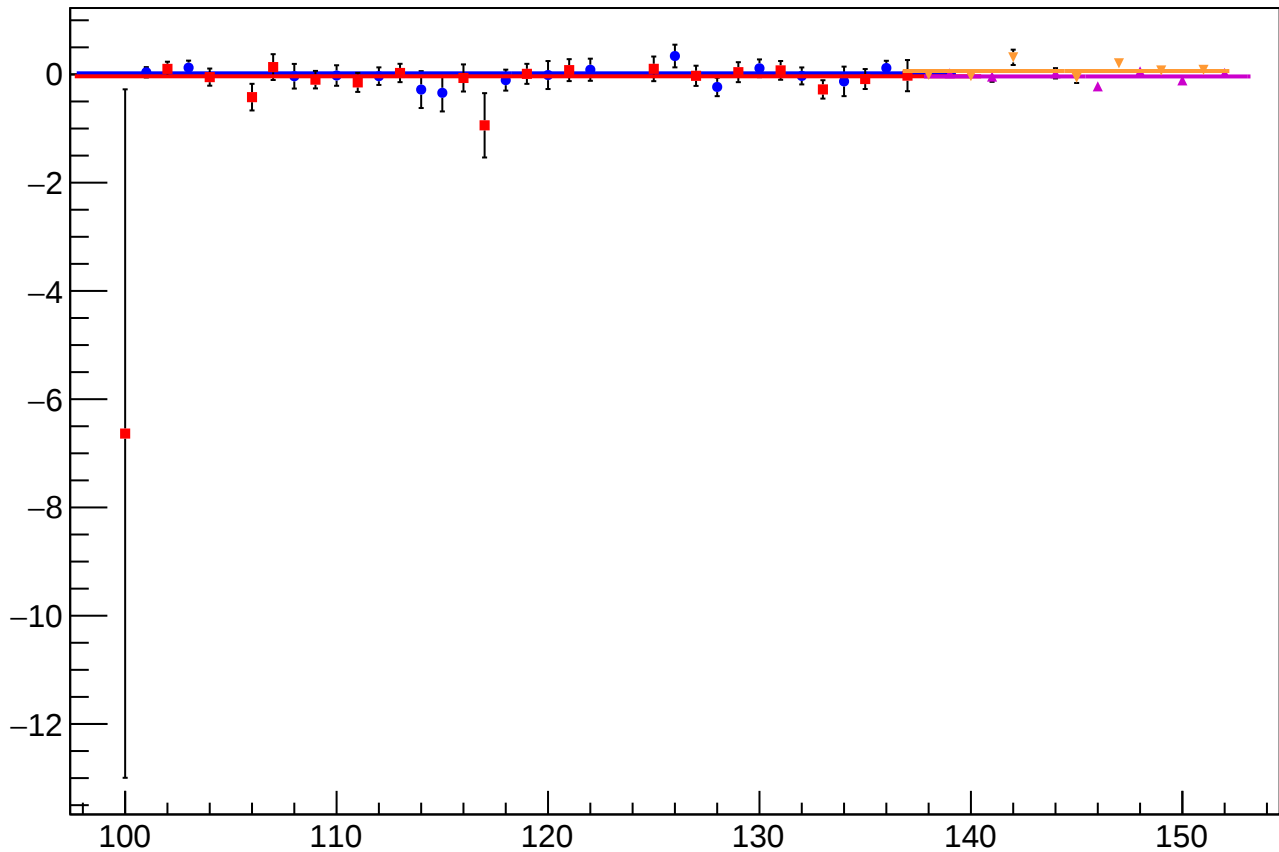
Left In: 0.076 ± 0.023 χ^2/NDF : 9.1/6

-0.052 ± 0.016 χ^2/NDF : 24.0/22

0.014 ± 0.012 χ^2/NDF : 78.9/48

0.082 ± 0.017 χ^2/NDF : 22.3/25

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

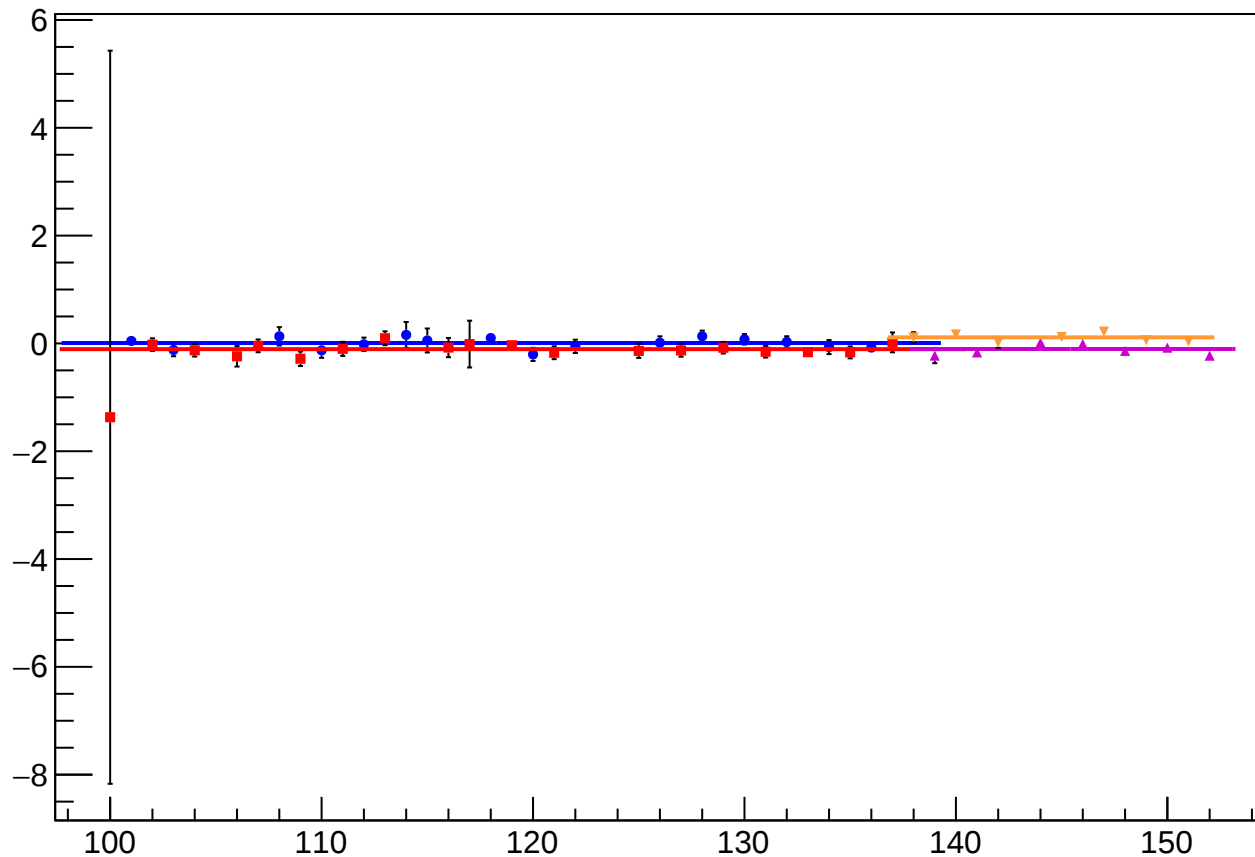
Left In: -0.038 ± 0.033 χ^2/NDF : 8.3/6

0.046 ± 0.027 χ^2/NDF : 19.3/22

0.004 ± 0.019 χ^2/NDF : 43.9/48

-0.037 ± 0.027 χ^2/NDF : 19.8/25

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

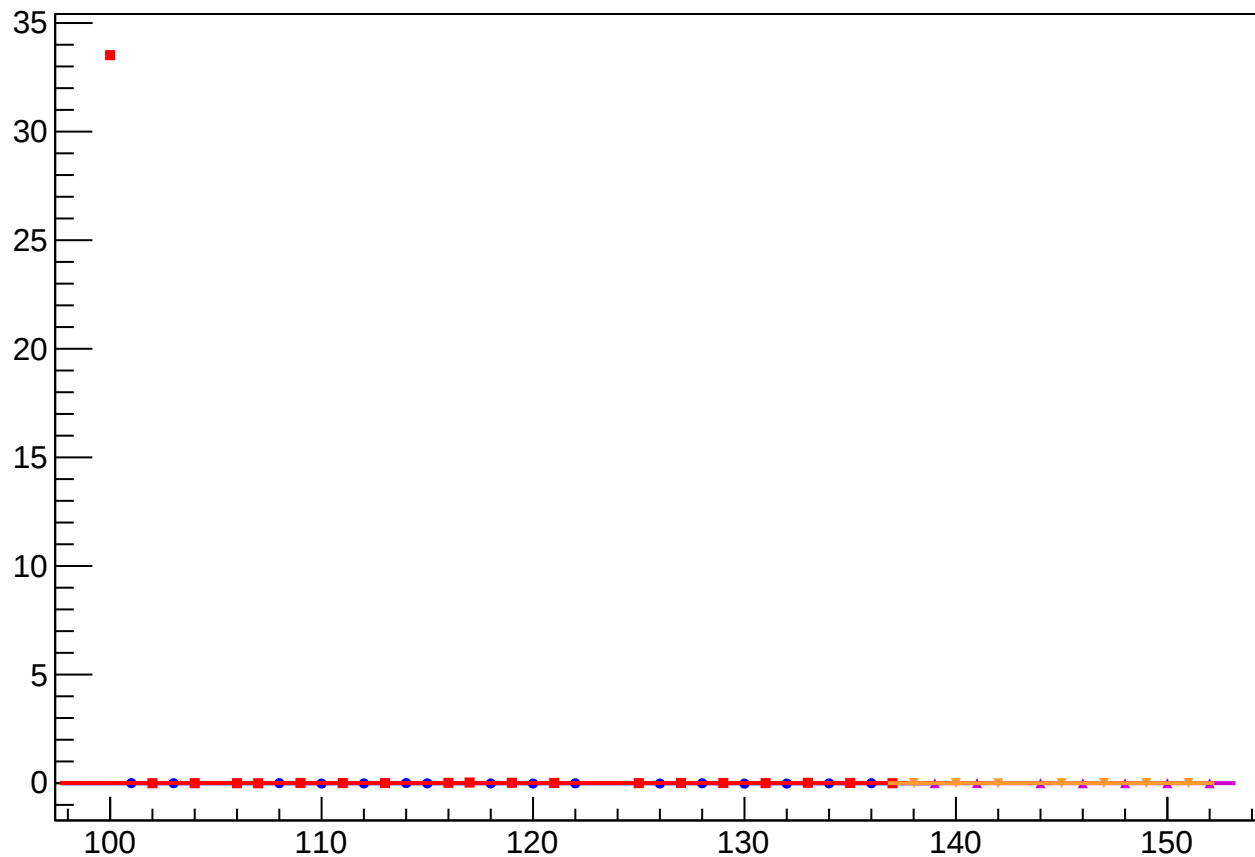
Left In: -0.104 ± 0.028 χ^2/NDF : 9.2/6

0.057 ± 0.020 χ^2/NDF : 24.5/22

-0.023 ± 0.014 χ^2/NDF : 74.8/48

-0.105 ± 0.020 χ^2/NDF : 17.4/25

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005 ± 0.001 χ^2/NDF : 21.8/15

Left Out: 0.001 ± 0.001 χ^2/NDF : 6.6/6

Right Out: 0.006 ± 0.001 χ^2/NDF : 26509.5/18

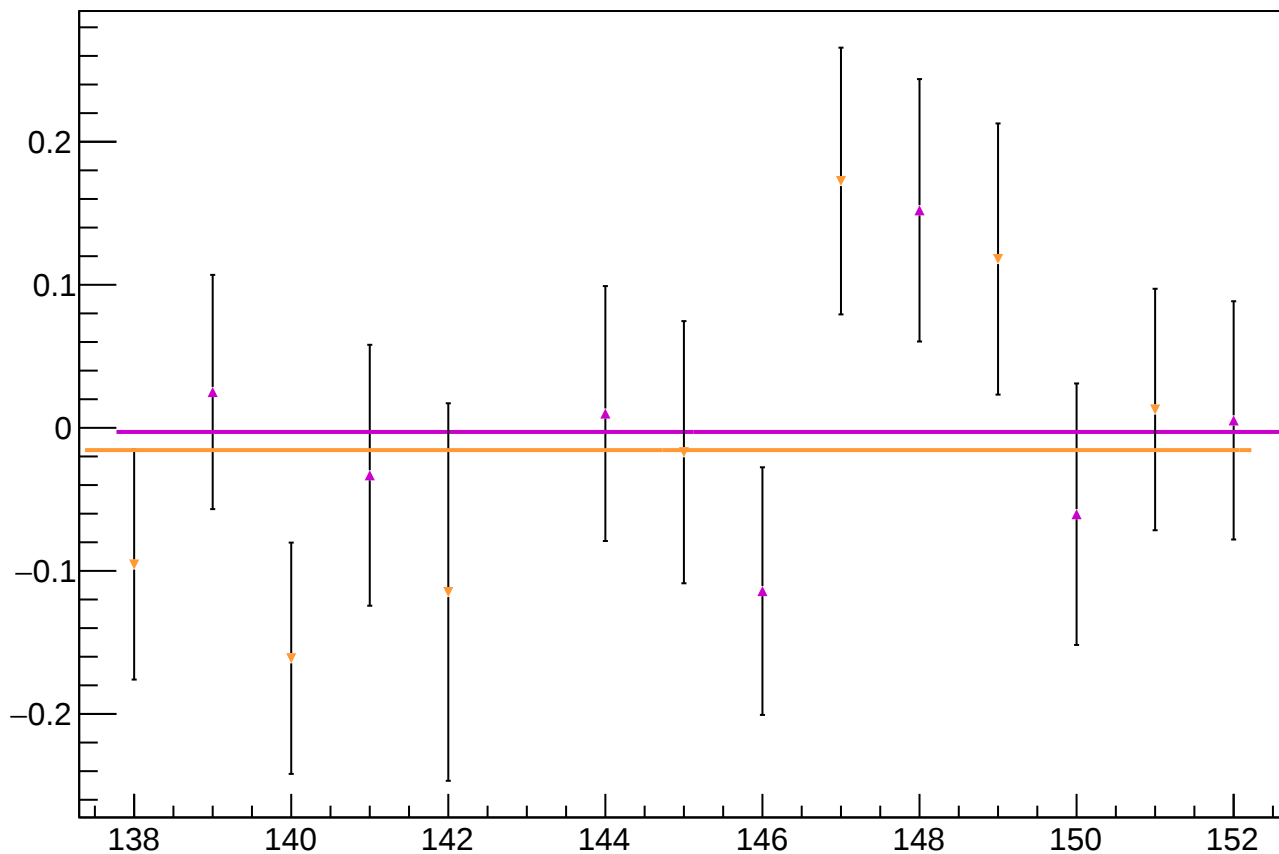
Left In: 0.001 ± 0.001 χ^2/NDF : 4.6/6

-0.002 ± 0.001 χ^2/NDF : 37.1/22

0.001 ± 0.001 χ^2/NDF : 26572.8/48

0.003 ± 0.001 χ^2/NDF : 26520.3/25

reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.016 $\pm$ 0.034 χ^2 /NDF: 11.0/6

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

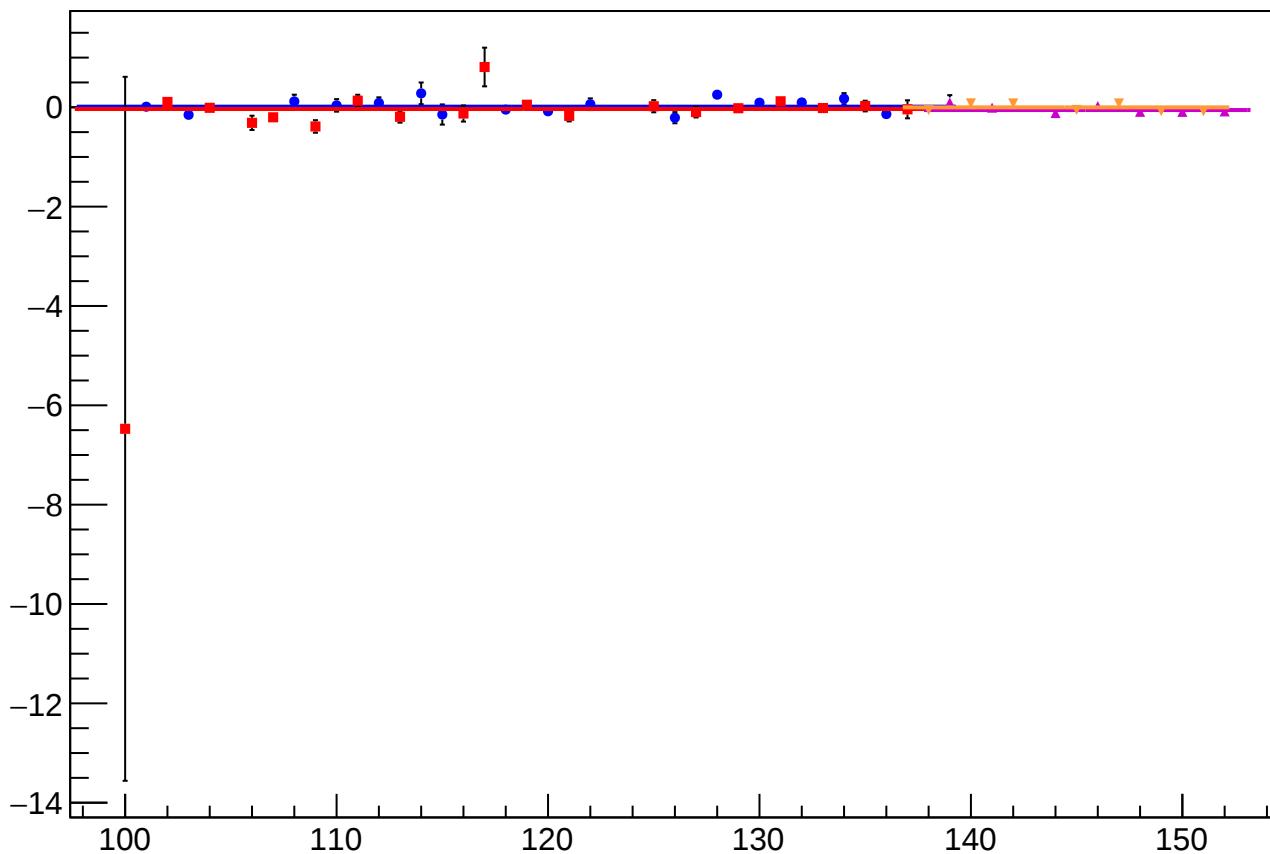
Left In: -0.003 $\pm$ 0.033 χ^2 /NDF: 5.2/6

-0.016 $\pm$ 0.034 χ^2 /NDF: 11.0/6

-0.009 $\pm$ 0.024 χ^2 /NDF: 16.2/13

-0.003 $\pm$ 0.033 χ^2 /NDF: 5.2/6

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

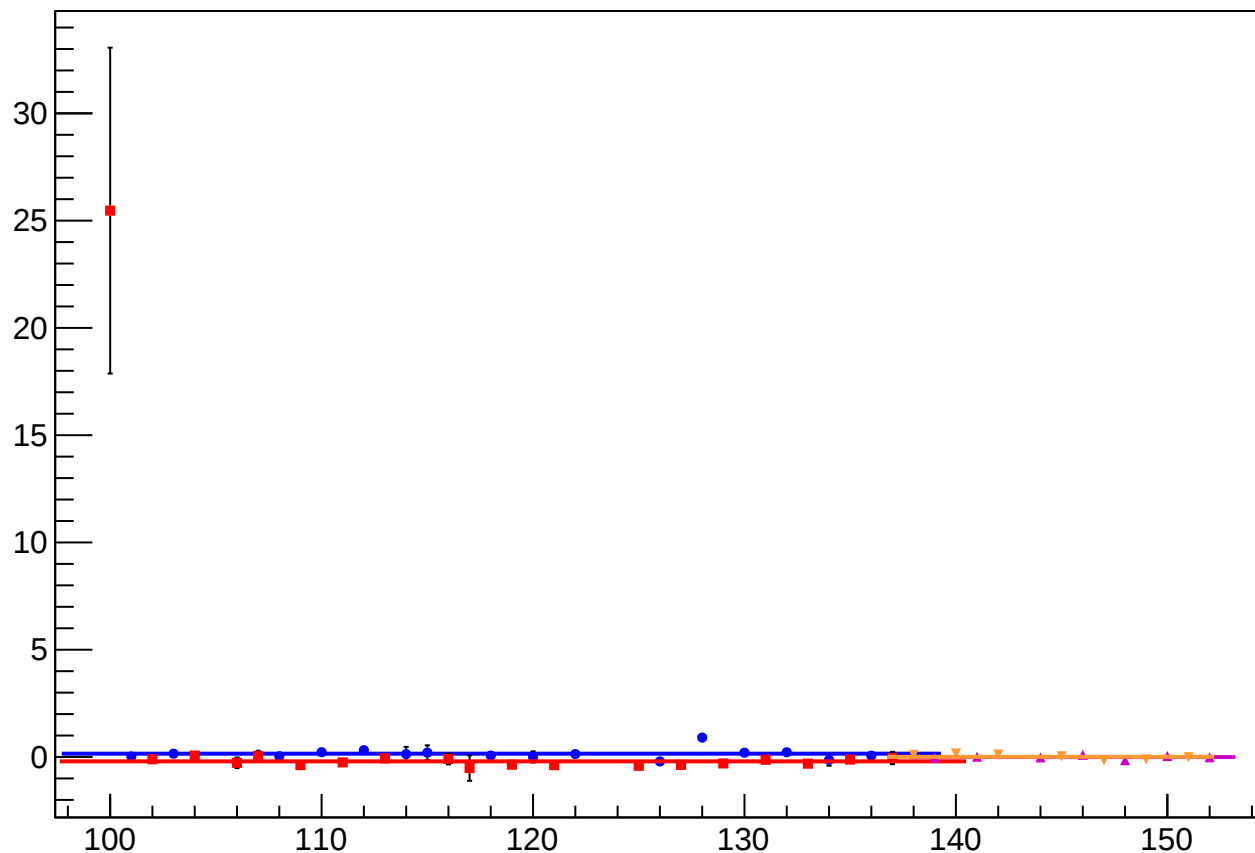
Left In: -0.055 ± 0.023 χ^2/NDF : 6.2/6

0.005 ± 0.016 χ^2/NDF : 35.8/22

-0.020 ± 0.012 χ^2/NDF : 80.2/48

-0.046 ± 0.017 χ^2/NDF : 39.7/25

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.154 ± 0.043 χ^2/NDF : 27.9/15

Left Out: 0.008 ± 0.035 χ^2/NDF : 10.6/6

Right Out: -0.203 ± 0.045 χ^2/NDF : 22.9/18

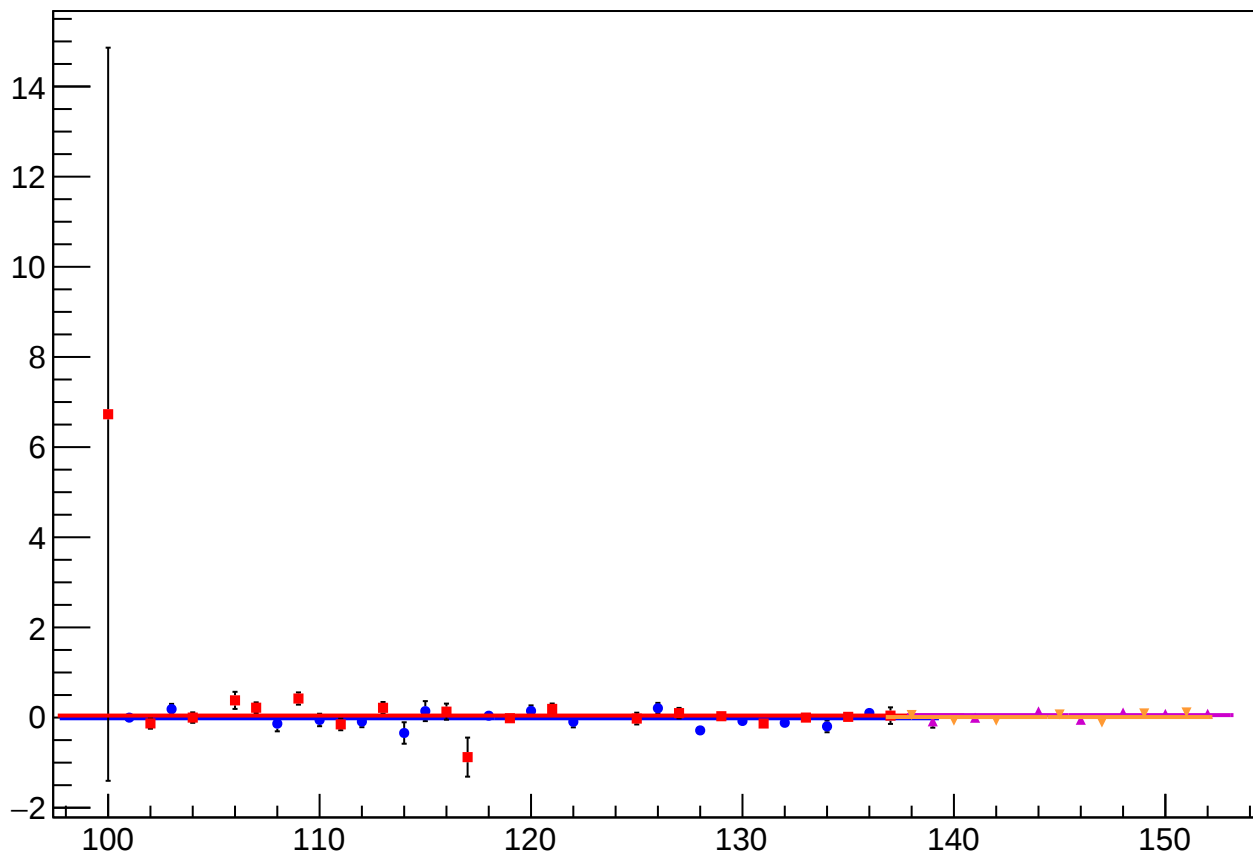
Left In: -0.004 ± 0.033 χ^2/NDF : 5.0/6

0.066 ± 0.027 χ^2/NDF : 45.5/22

-0.005 ± 0.019 χ^2/NDF : 99.7/48

-0.074 ± 0.027 χ^2/NDF : 40.6/25

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

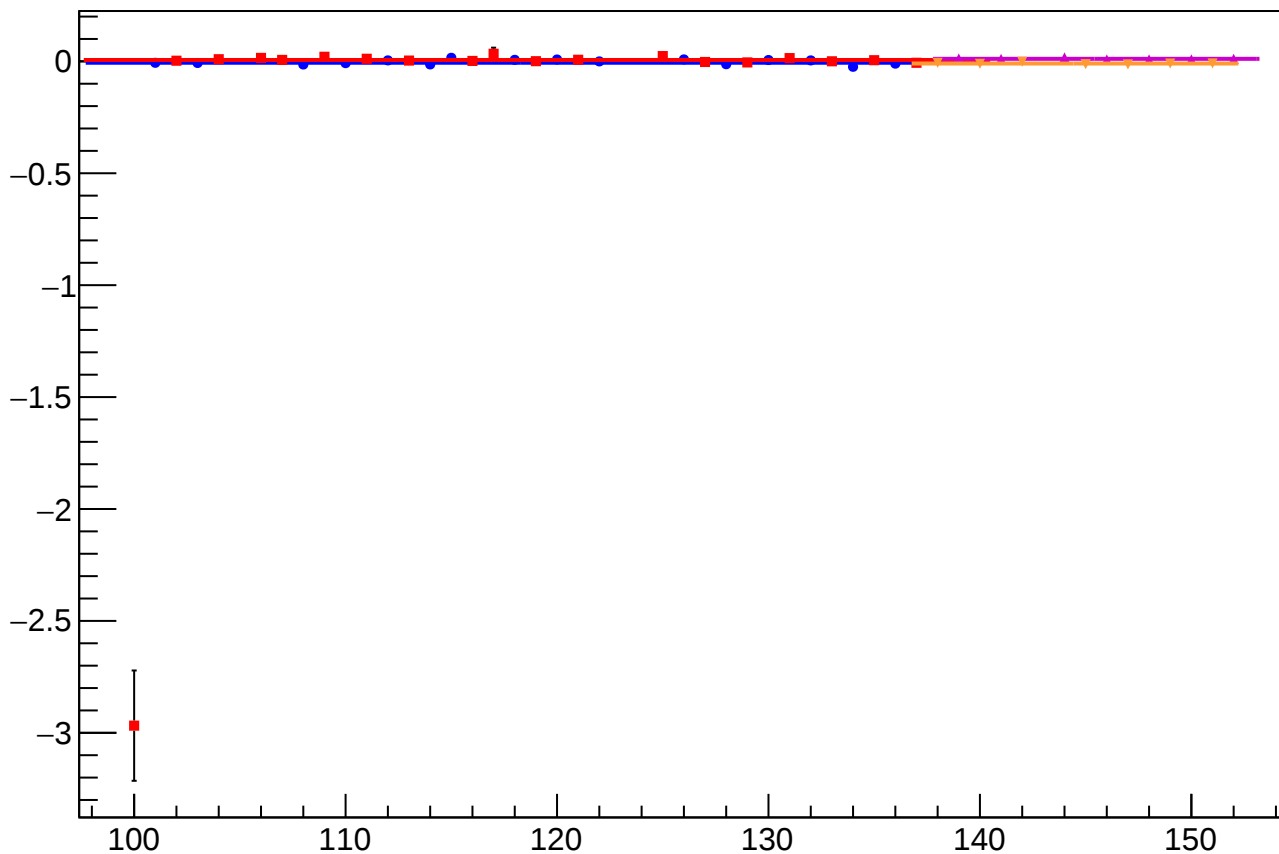
Left In: 0.055 ± 0.028 χ^2/NDF : 6.4/6

-0.003 ± 0.020 χ^2/NDF : 34.9/22

0.023 ± 0.014 χ^2/NDF : 75.3/48

0.050 ± 0.020 χ^2/NDF : 36.9/25

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006 $\pm$ 0.001 χ^2/NDF : 27.3/15

Left Out: -0.010 $\pm$ 0.001 χ^2/NDF : 4.5/6

Right Out: 0.006 $\pm$ 0.001 χ^2/NDF : 167.0/18

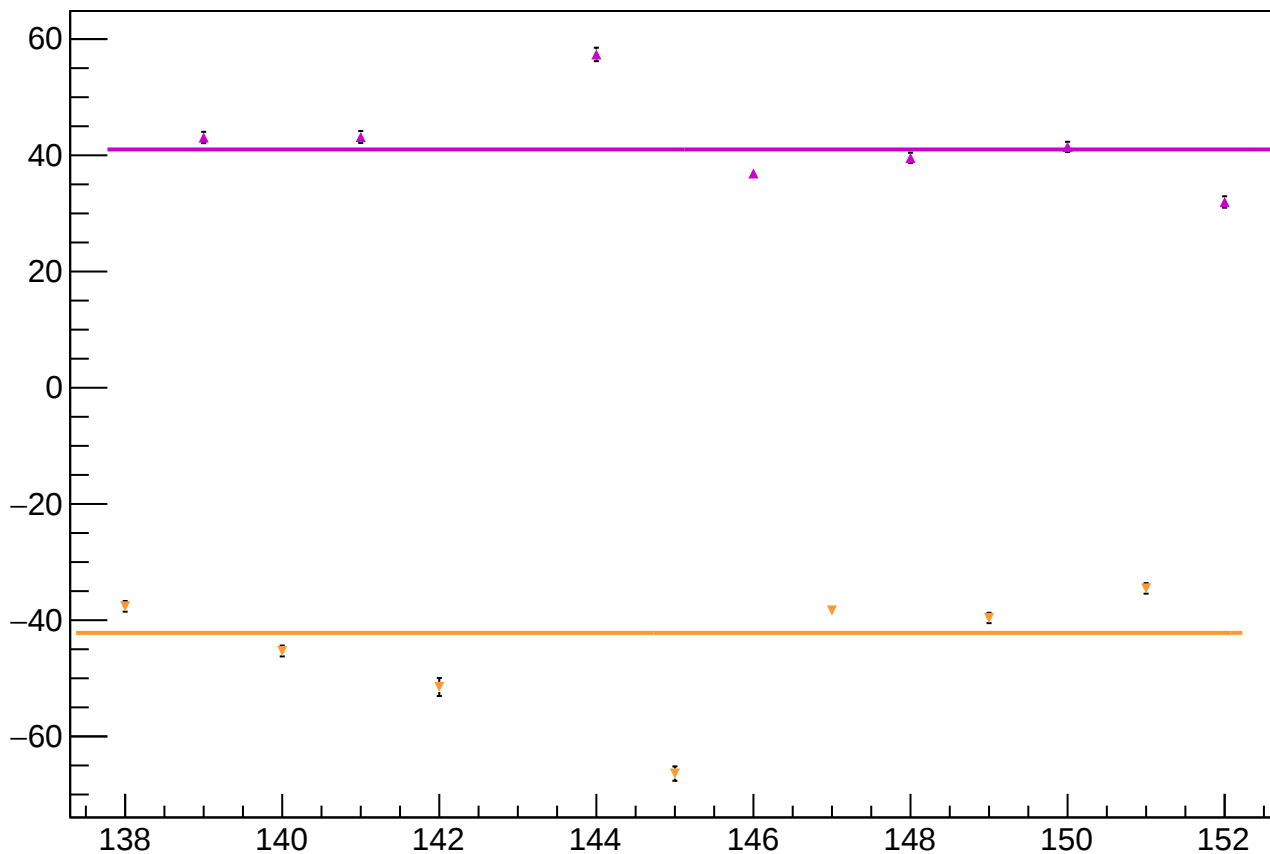
Left In: 0.011 $\pm$ 0.001 χ^2/NDF : 4.1/6

-0.008 $\pm$ 0.001 χ^2/NDF : 34.7/22

0.001 $\pm$ 0.001 χ^2/NDF : 349.2/48

0.009 $\pm$ 0.001 χ^2/NDF : 177.7/25

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

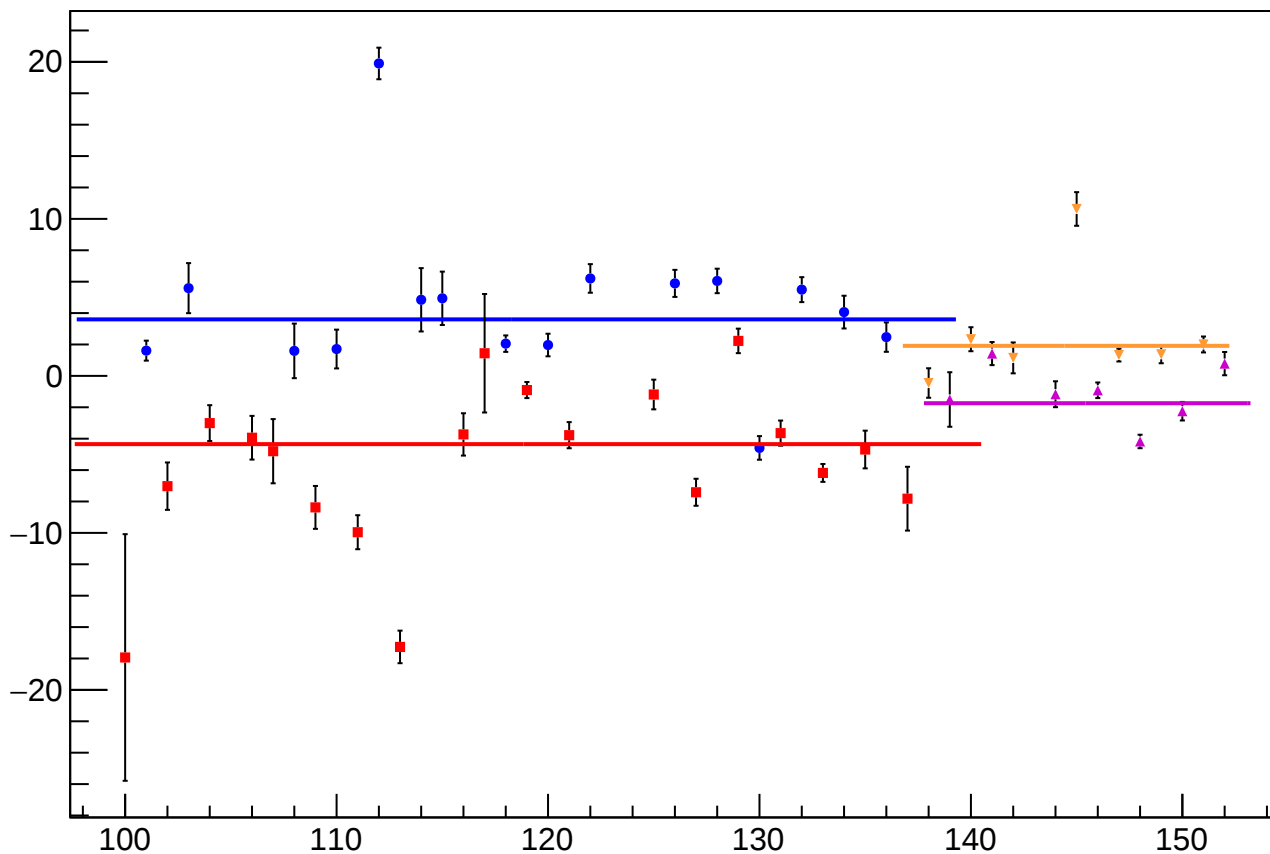
Left In: 41.003+/-0.359 χ^2/NDF : 318.9/6

-42.183+/-0.372 χ^2/NDF : 553.3/6

0.830+/-0.258 χ^2/NDF : 26760.3/13

41.003+/-0.359 χ^2/NDF : 318.9/6

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

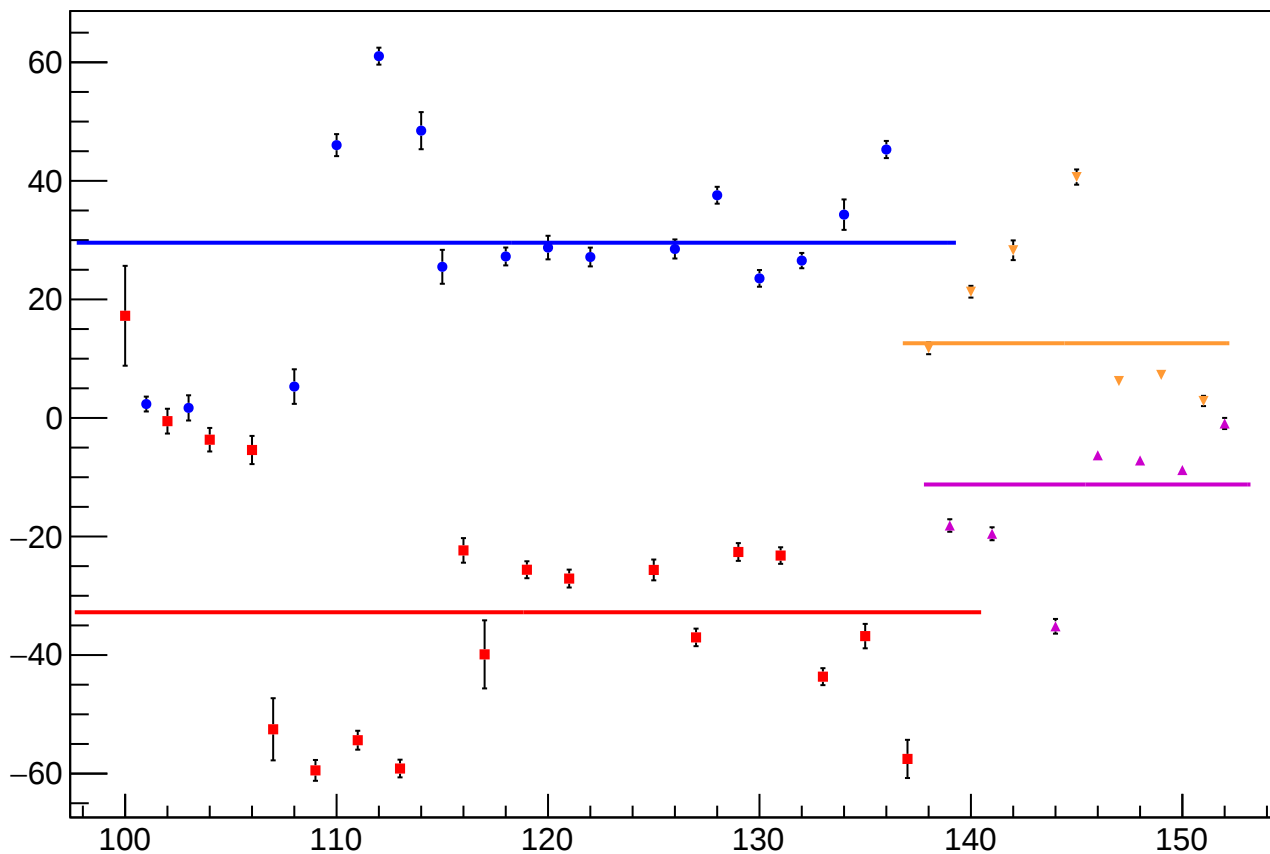
Left In: -1.741 ± 0.237 χ^2/NDF : 66.3/6

2.820 ± 0.162 χ^2/NDF : 546.9/22

-0.123 ± 0.115 χ^2/NDF : 1701.2/48

-3.114 ± 0.163 χ^2/NDF : 485.5/25

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

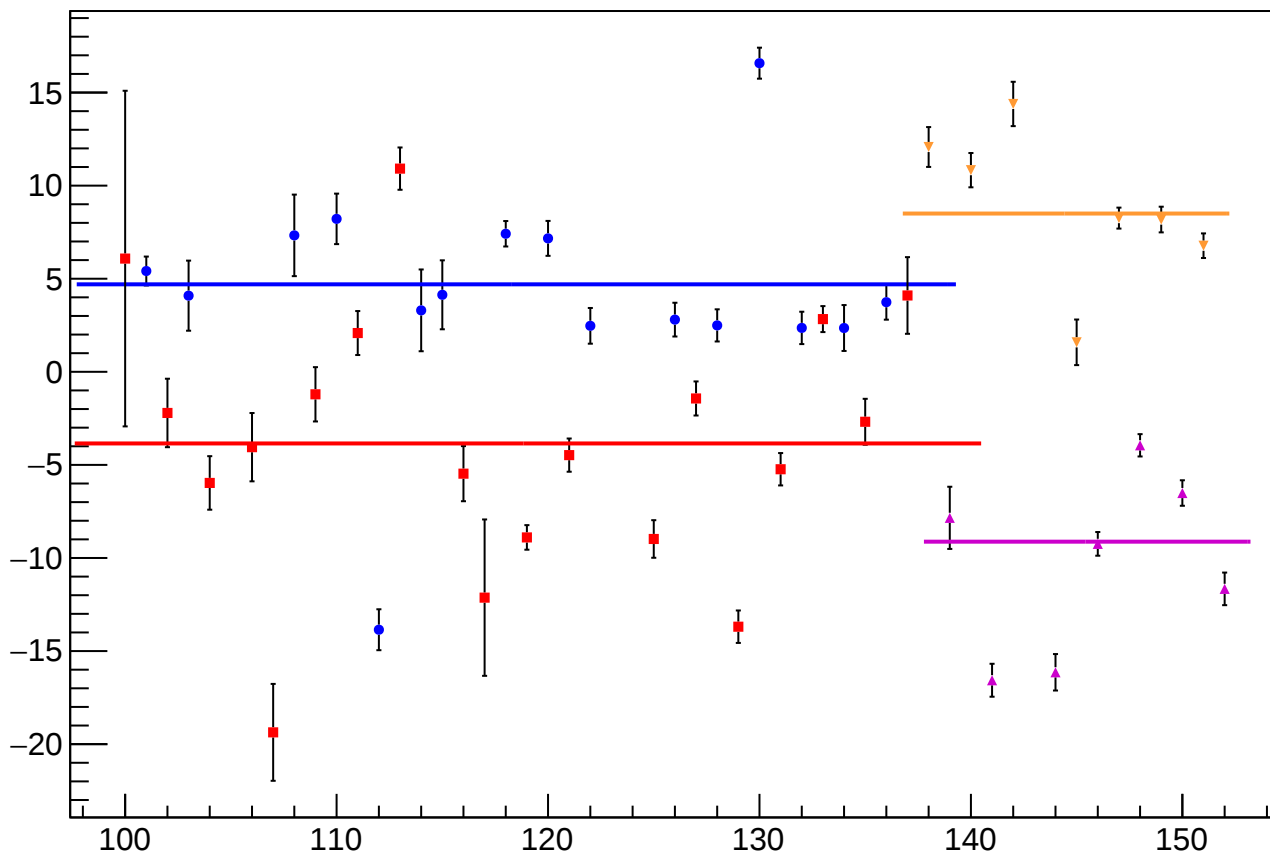
Left In: -11.225+/-0.354 χ^2/NDF : 661.8/6

20.016+/-0.277 χ^2/NDF : 3286.6/22

-0.516+/-0.194 χ^2/NDF : 17863.8/48

-20.142+/-0.271 χ^2/NDF : 3859.1/25

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.699 ± 0.254 $\chi^2/\text{NDF}: 548.9/15$

Left Out: 8.501 ± 0.302 $\chi^2/\text{NDF}: 81.1/6$

Right Out: -3.848 ± 0.258 $\chi^2/\text{NDF}: 571.5/18$

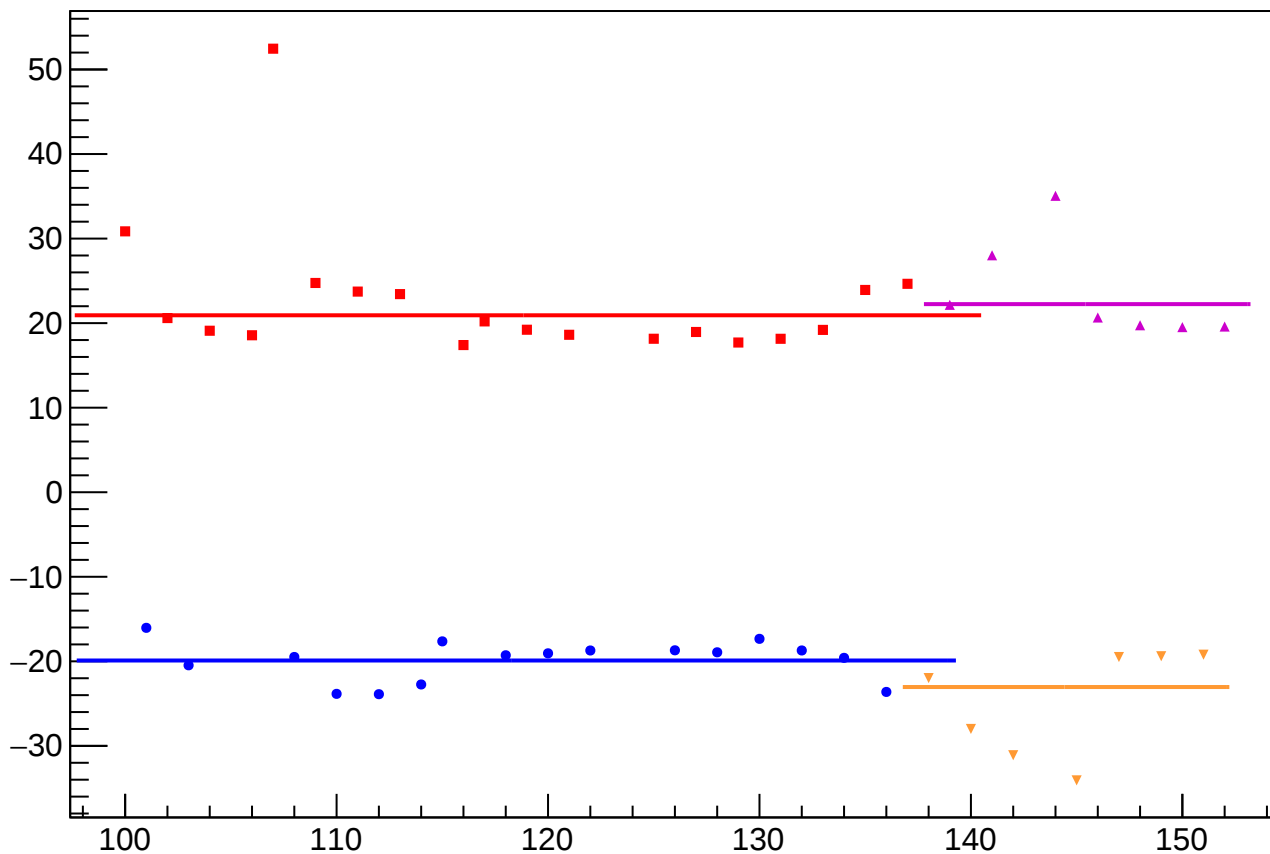
Left In: -9.124 ± 0.297 $\chi^2/\text{NDF}: 220.2/6$

6.275 ± 0.194 $\chi^2/\text{NDF}: 722.9/22$

0.085 ± 0.138 $\chi^2/\text{NDF}: 3725.1/48$

-6.120 ± 0.195 $\chi^2/\text{NDF}: 971.8/25$

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 $\chi^2/\text{NDF}: 94015.9/18$

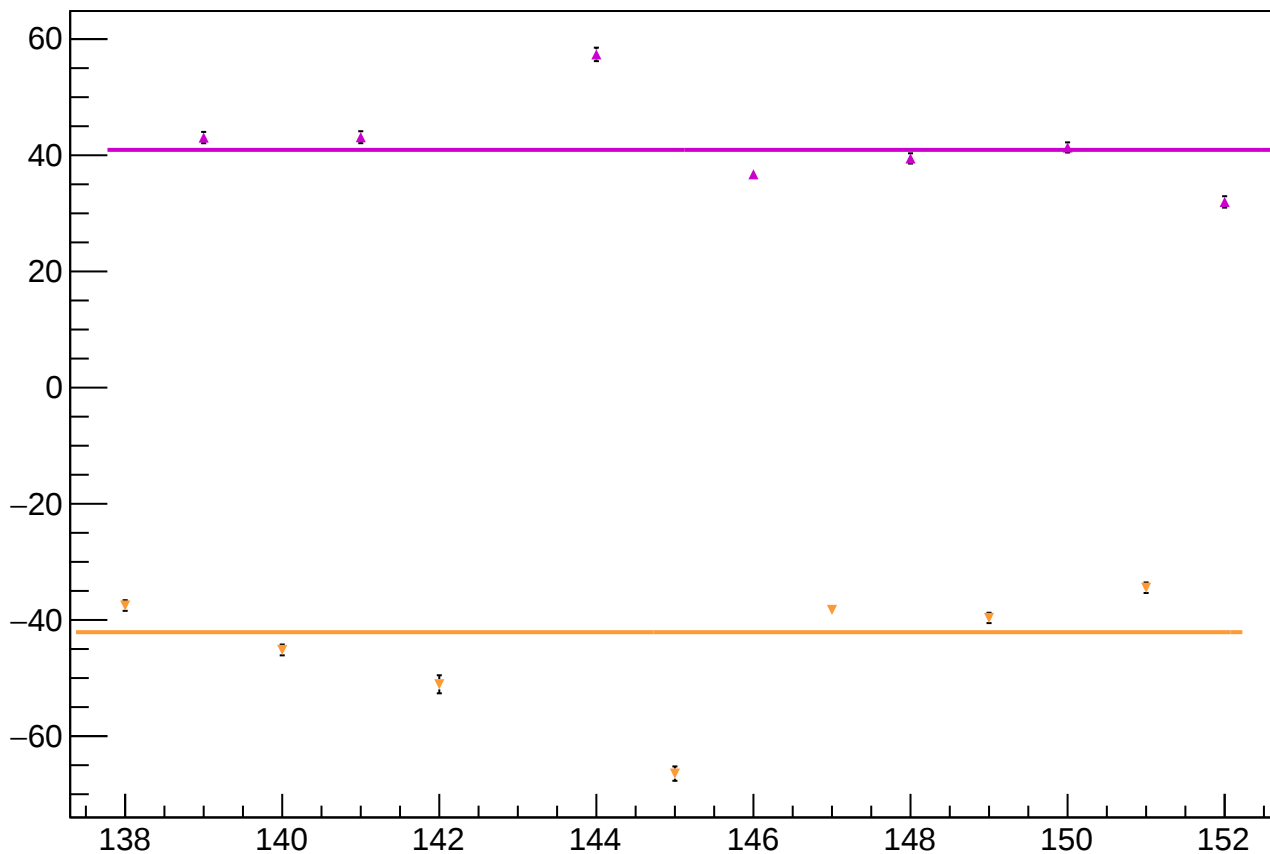
Left In: 22.248 ± 0.015 $\chi^2/\text{NDF}: 90139.4/6$

-21.450 ± 0.011 $\chi^2/\text{NDF}: 150671.8/22$

0.876 ± 0.008 $\chi^2/\text{NDF}: 8090113.3/48$

21.630 ± 0.011 $\chi^2/\text{NDF}: 187917.5/25$

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

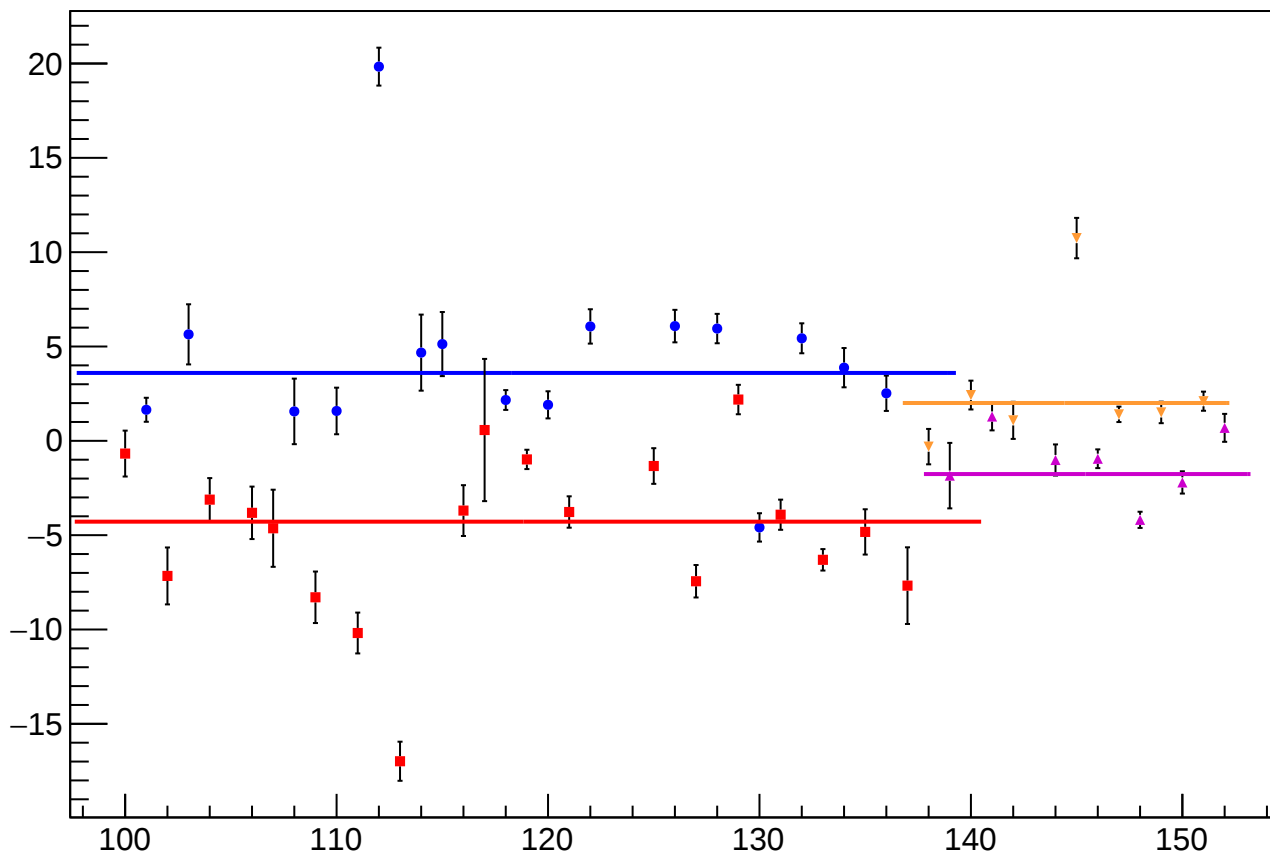
Left In: 40.931+/-0.359 χ^2/NDF : 321.1/6

-42.104+/-0.372 χ^2/NDF : 554.5/6

0.834+/-0.258 χ^2/NDF : 26700.8/13

40.931+/-0.359 χ^2/NDF : 321.1/6

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.599 ± 0.220 $\chi^2/\text{NDF}: 440.3/15$

Left Out: 2.006 ± 0.238 $\chi^2/\text{NDF}: 76.9/6$

Right Out: -4.284 ± 0.221 $\chi^2/\text{NDF}: 353.8/18$

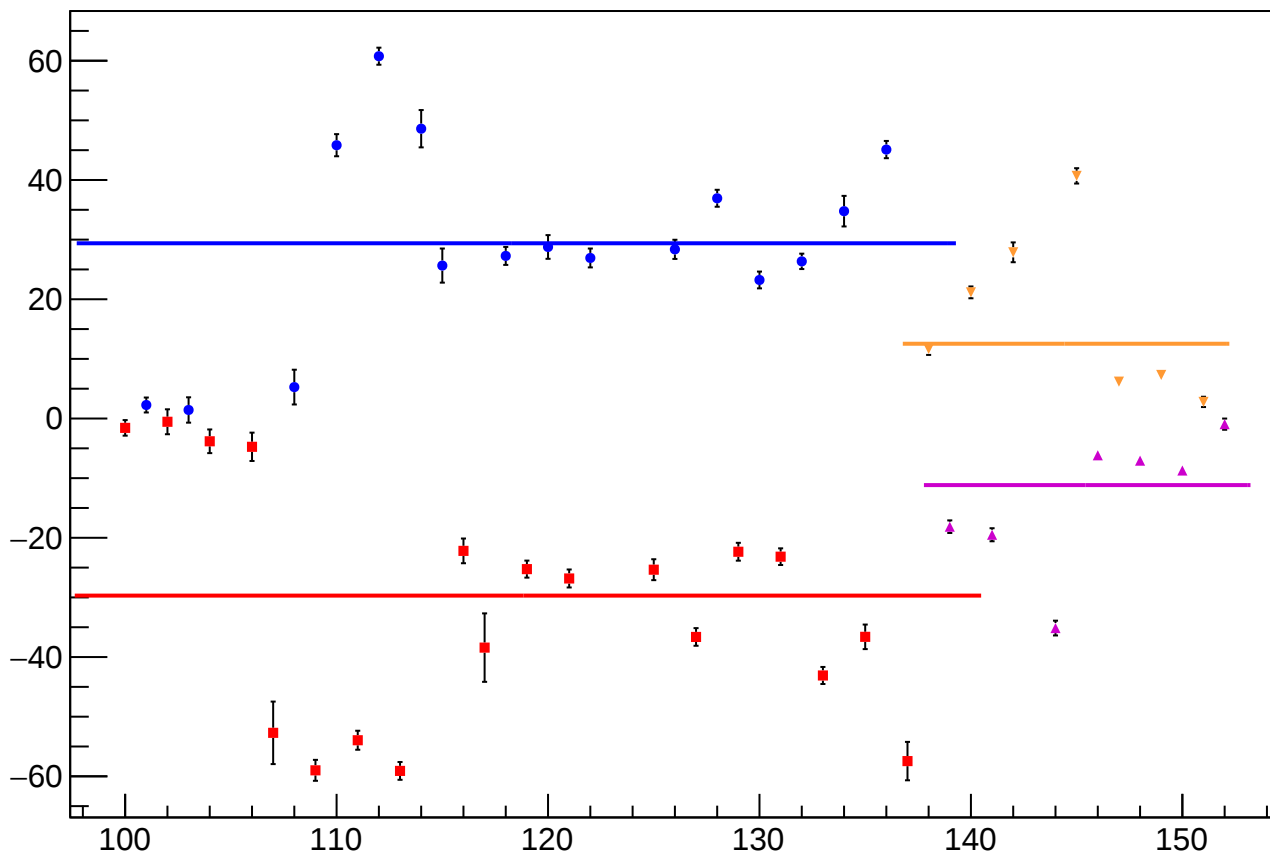
Left In: -1.761 ± 0.237 $\chi^2/\text{NDF}: 64.3/6$

2.863 ± 0.162 $\chi^2/\text{NDF}: 541.3/22$

-0.126 ± 0.114 $\chi^2/\text{NDF}: 1704.9/48$

-3.111 ± 0.161 $\chi^2/\text{NDF}: 478.9/25$

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.387 ± 0.419 $\chi^2/\text{NDF}: 1488.6/15$

Left Out: 12.540 ± 0.369 $\chi^2/\text{NDF}: 870.1/6$

Right Out: -29.695 ± 0.401 $\chi^2/\text{NDF}: 2133.3/18$

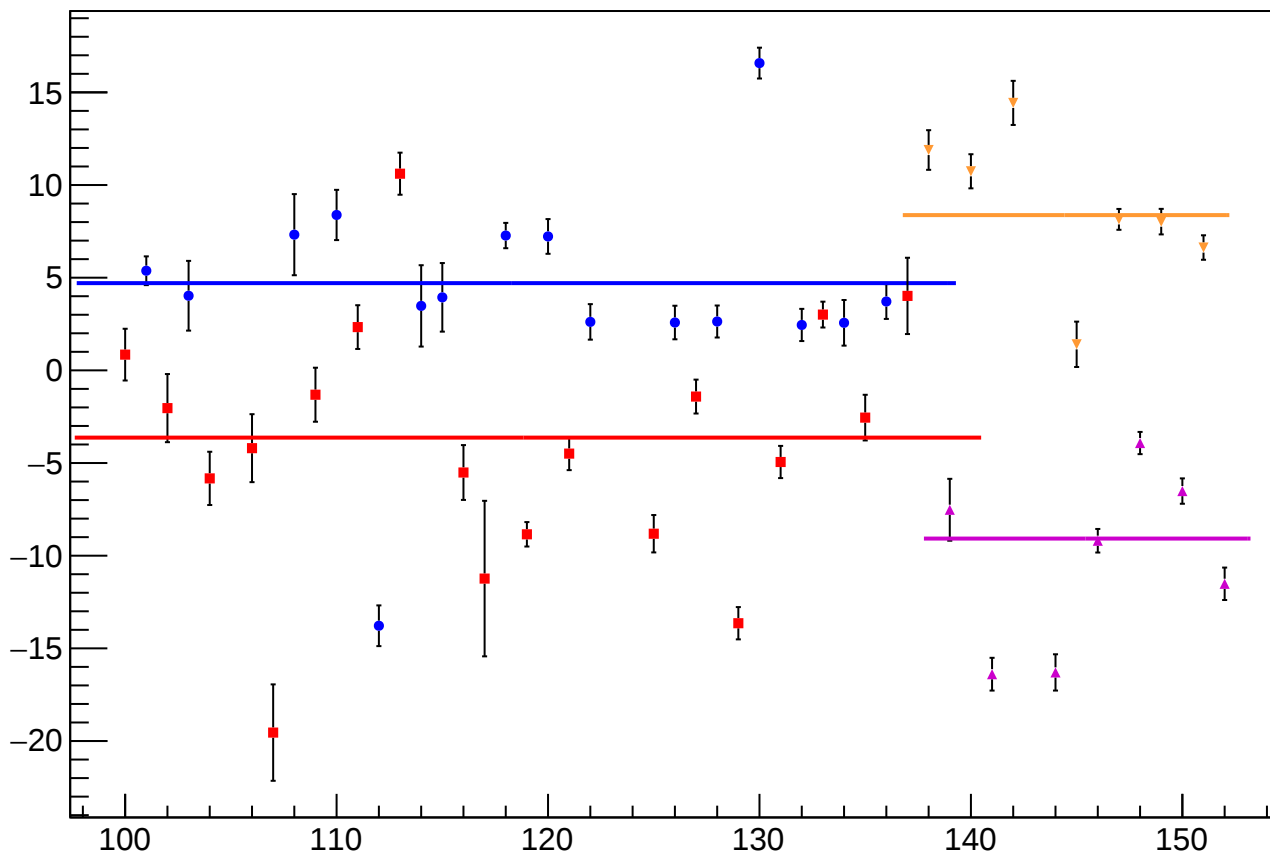
Left In: -11.163 ± 0.354 $\chi^2/\text{NDF}: 664.9/6$

19.904 ± 0.277 $\chi^2/\text{NDF}: 3267.6/22$

-0.529 ± 0.192 $\chi^2/\text{NDF}: 17683.1/48$

-19.269 ± 0.265 $\chi^2/\text{NDF}: 3997.6/25$

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

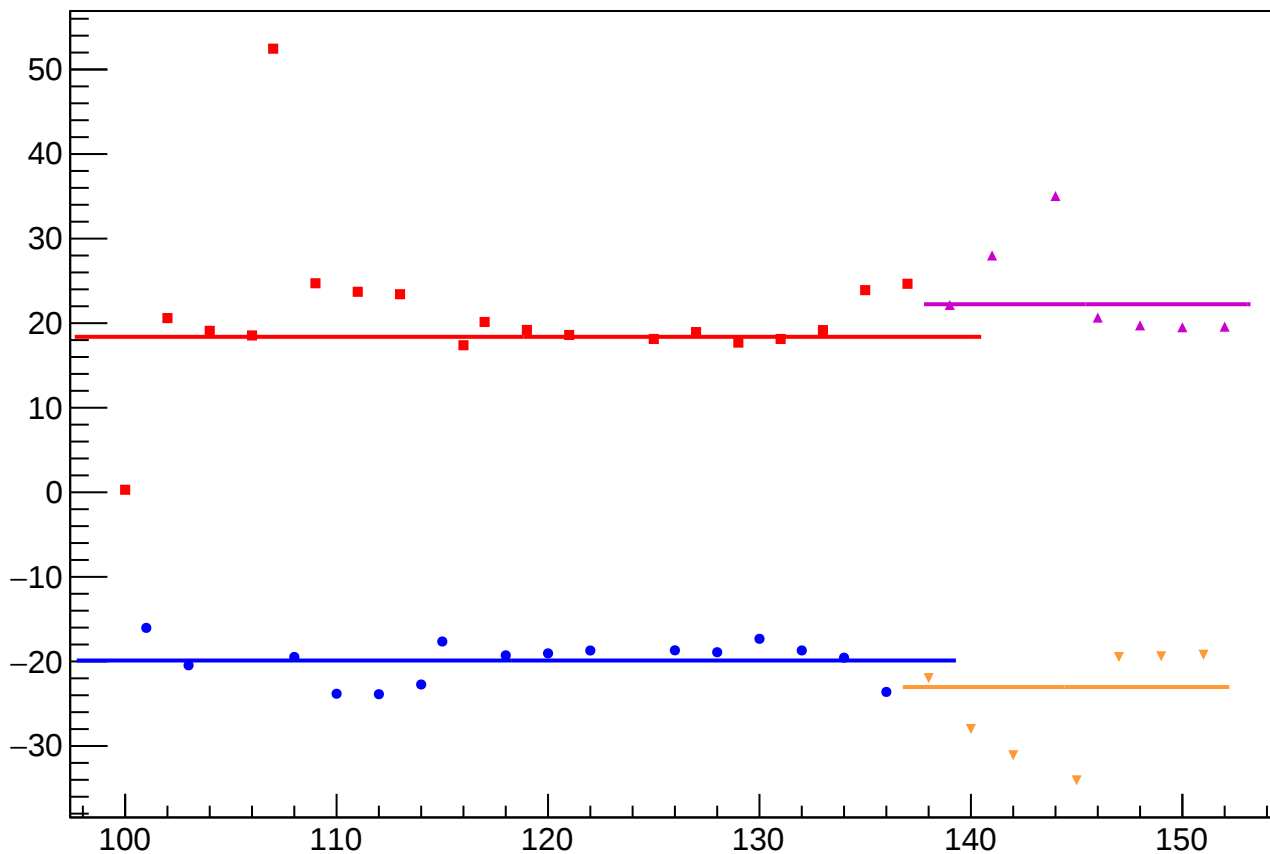
Left In: -9.076 ± 0.296 χ^2/NDF : 219.7/6

6.227 ± 0.194 χ^2/NDF : 715.0/22

0.099 ± 0.137 χ^2/NDF : 3680.9/48

-5.931 ± 0.193 χ^2/NDF : 991.4/25

reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.890 +/- 0.016 χ^2/NDF : 26044.4/15

Left Out: -23.031 +/- 0.016 χ^2/NDF : 104853.7/6

Right Out: 18.386 +/- 0.015 χ^2/NDF : 301044.3/18

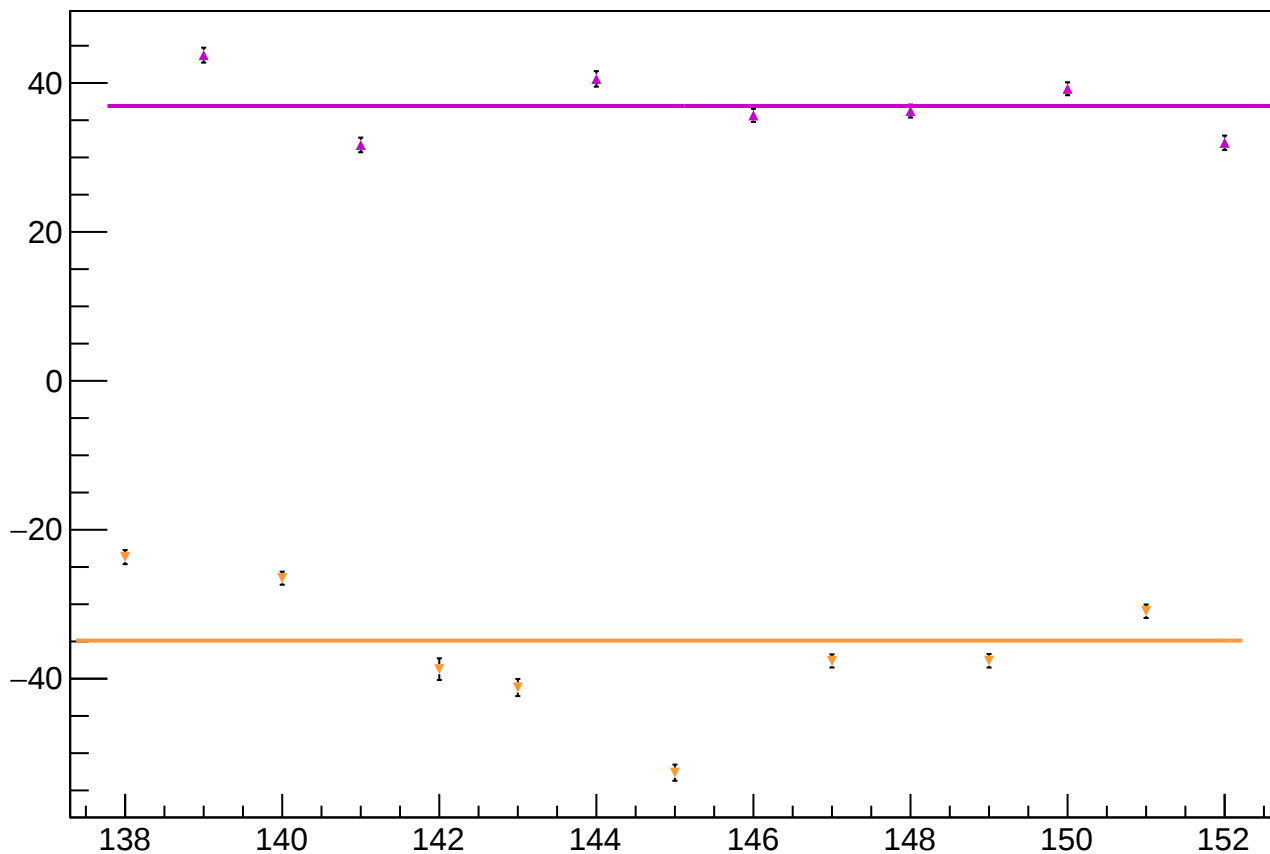
Left In: 22.237 +/- 0.015 χ^2/NDF : 90094.4/6

-21.439 +/- 0.011 χ^2/NDF : 150794.5/22

0.833 +/- 0.008 χ^2/NDF : 8079945.0/48

20.311 +/- 0.010 χ^2/NDF : 425349.0/25

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

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

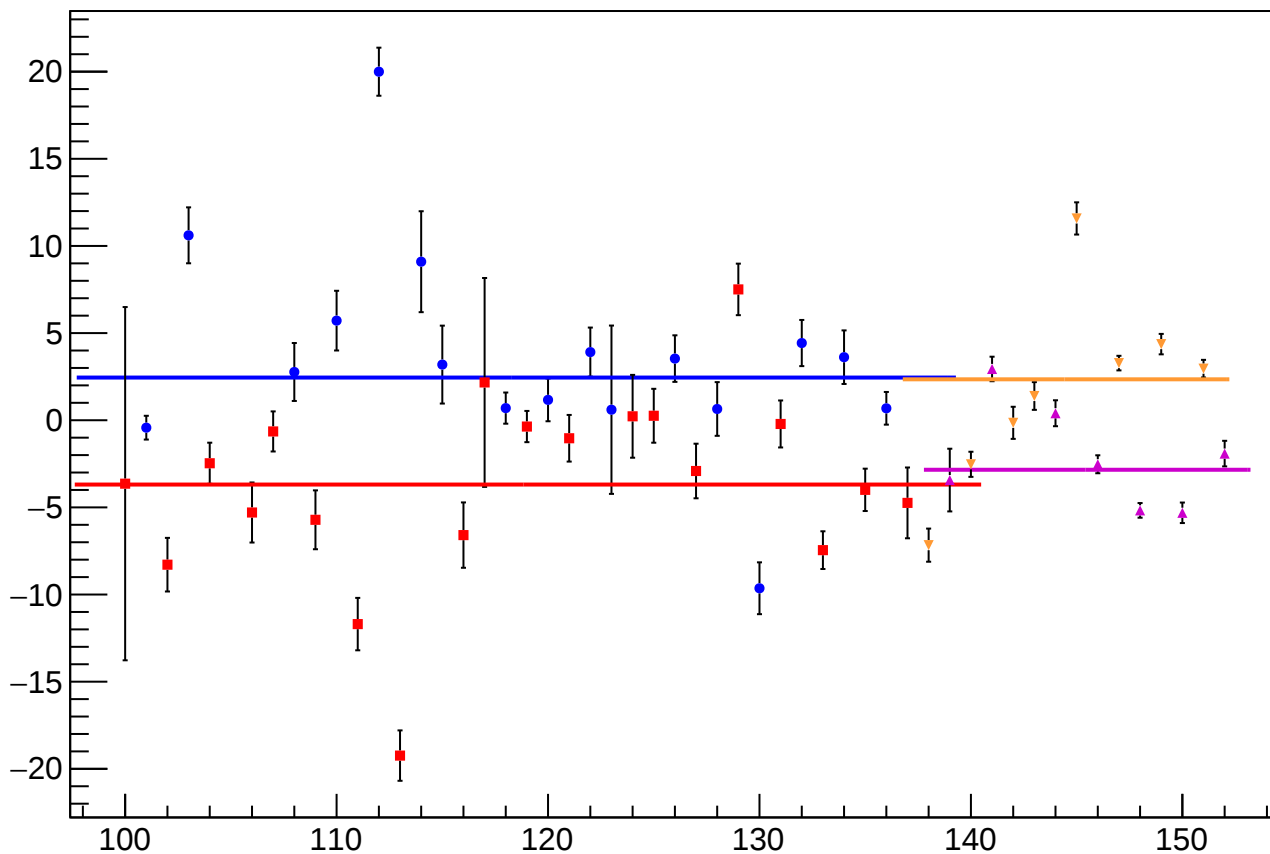
Left In: 36.913+/-0.355 χ^2/NDF : 122.0/6

-34.875+/-0.349 χ^2/NDF : 571.6/7

0.392+/-0.249 χ^2/NDF : 21445.5/14

36.913+/-0.355 χ^2/NDF : 122.0/6

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

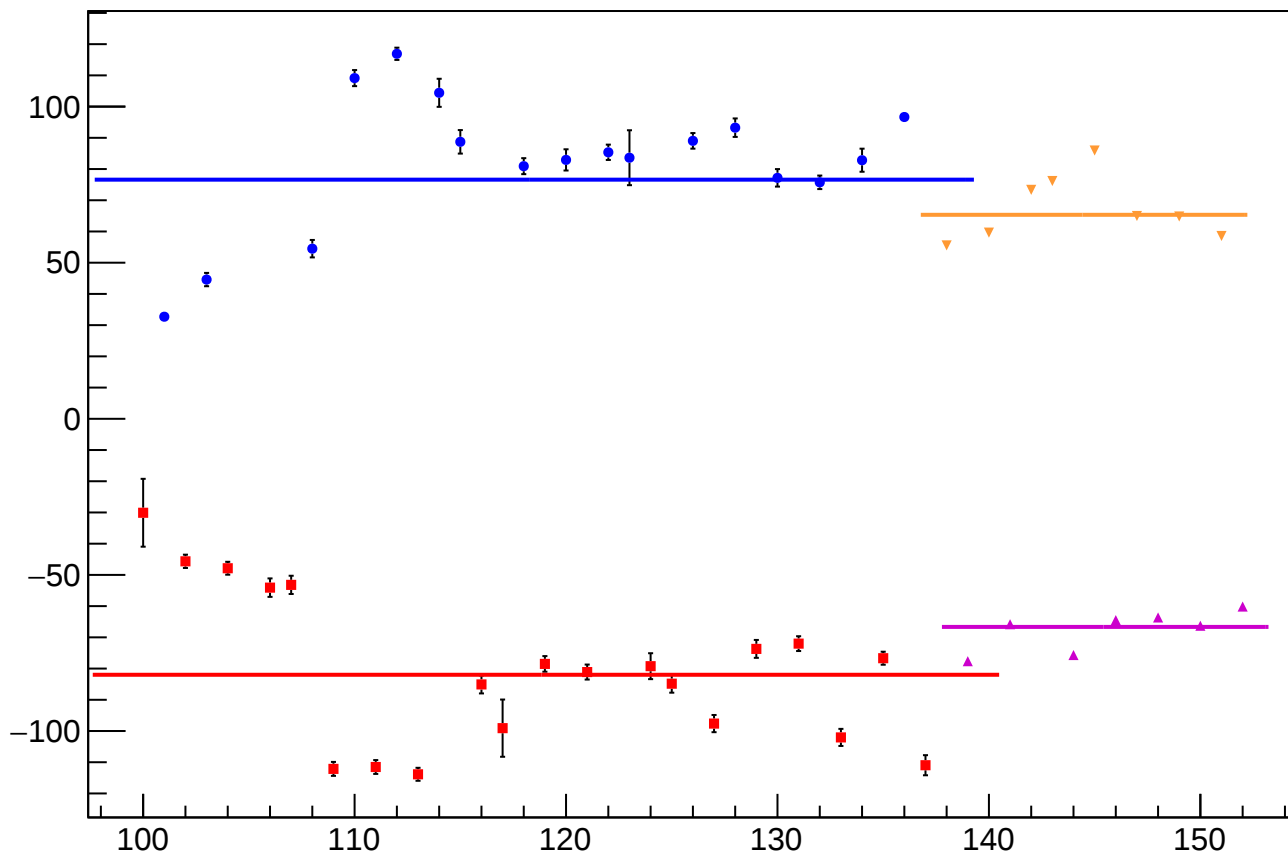
Left In: -2.841 ± 0.234 χ^2/NDF : 136.9/6

2.382 ± 0.184 χ^2/NDF : 568.2/24

-0.282 ± 0.132 χ^2/NDF : 1414.8/51

-3.130 ± 0.190 χ^2/NDF : 411.7/26

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.598 $\pm$ 0.576 χ^2/NDF : 2255.1/16

Left Out: 65.341 $\pm$ 0.351 χ^2/NDF : 623.0/7

Right Out: -81.987 $\pm$ 0.591 χ^2/NDF : 1574.2/19

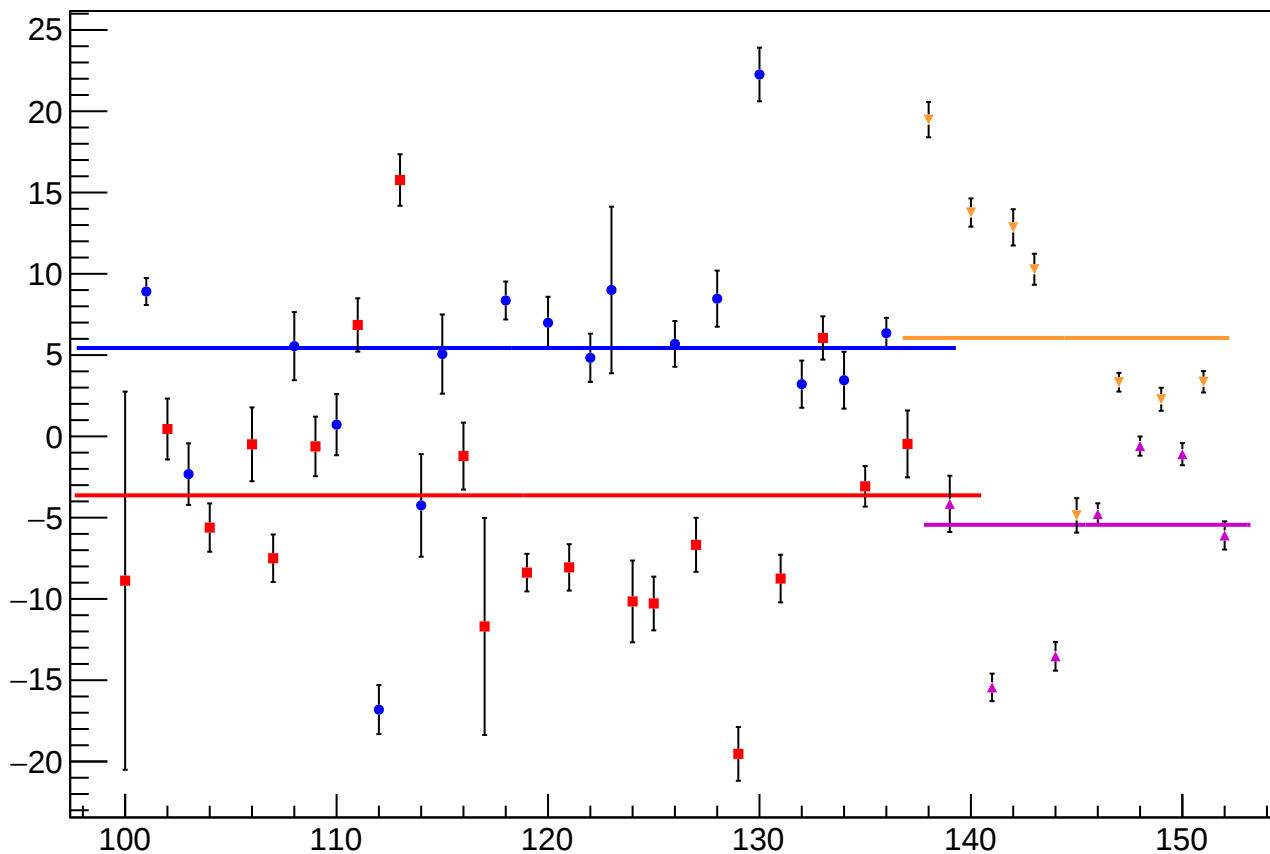
Left In: -66.658 $\pm$ 0.351 χ^2/NDF : 237.1/6

68.384 $\pm$ 0.300 χ^2/NDF : 3156.8/24

-0.630 $\pm$ 0.213 χ^2/NDF : 112436.7/51

-70.655 $\pm$ 0.302 χ^2/NDF : 2309.0/26

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.436 ± 0.360 χ^2/NDF : 387.2/16

Left Out: 6.055 ± 0.285 χ^2/NDF : 461.8/7

Right Out: -3.628 ± 0.374 χ^2/NDF : 424.8/19

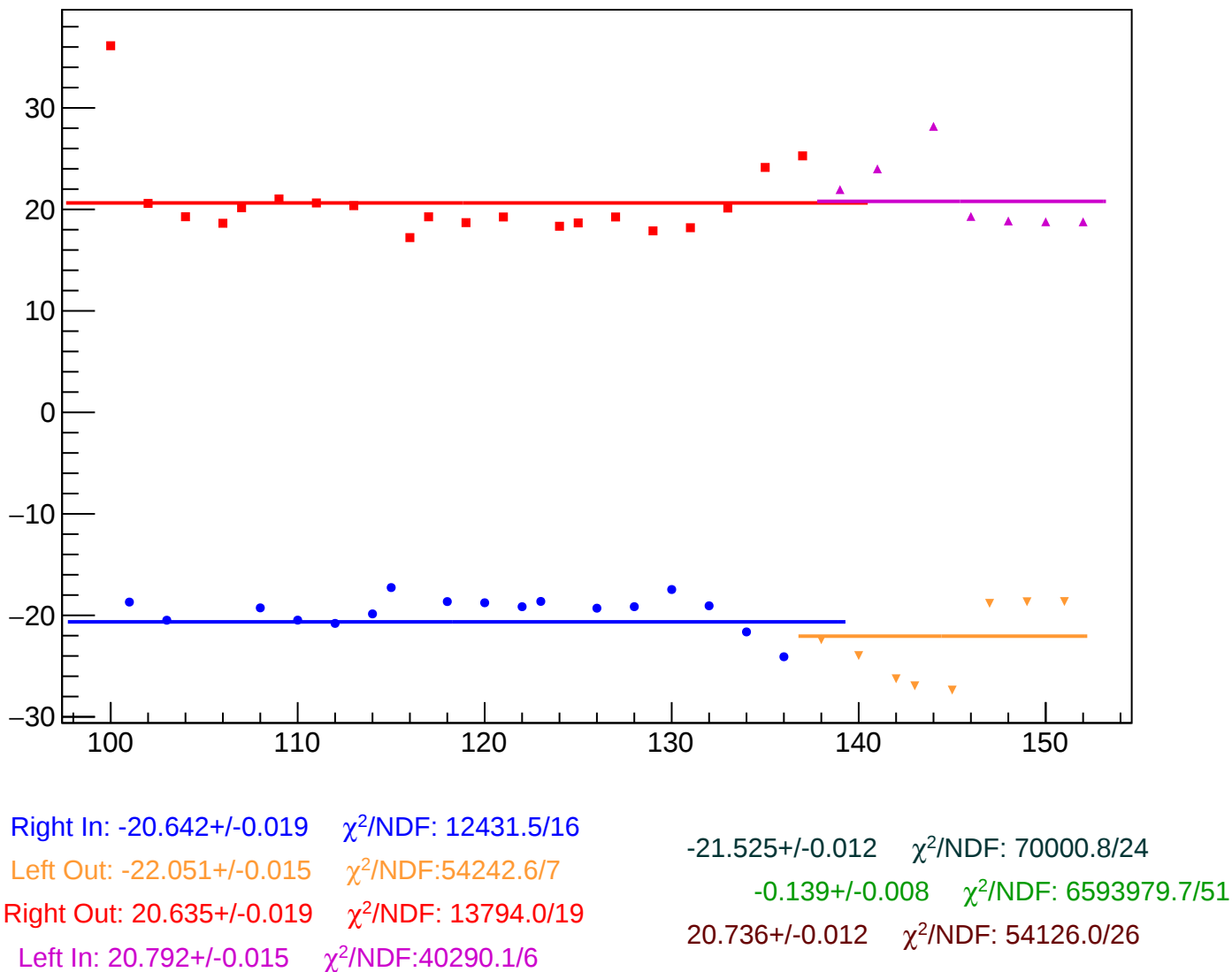
Left In: -5.440 ± 0.293 χ^2/NDF : 334.0/6

5.816 ± 0.224 χ^2/NDF : 850.9/24

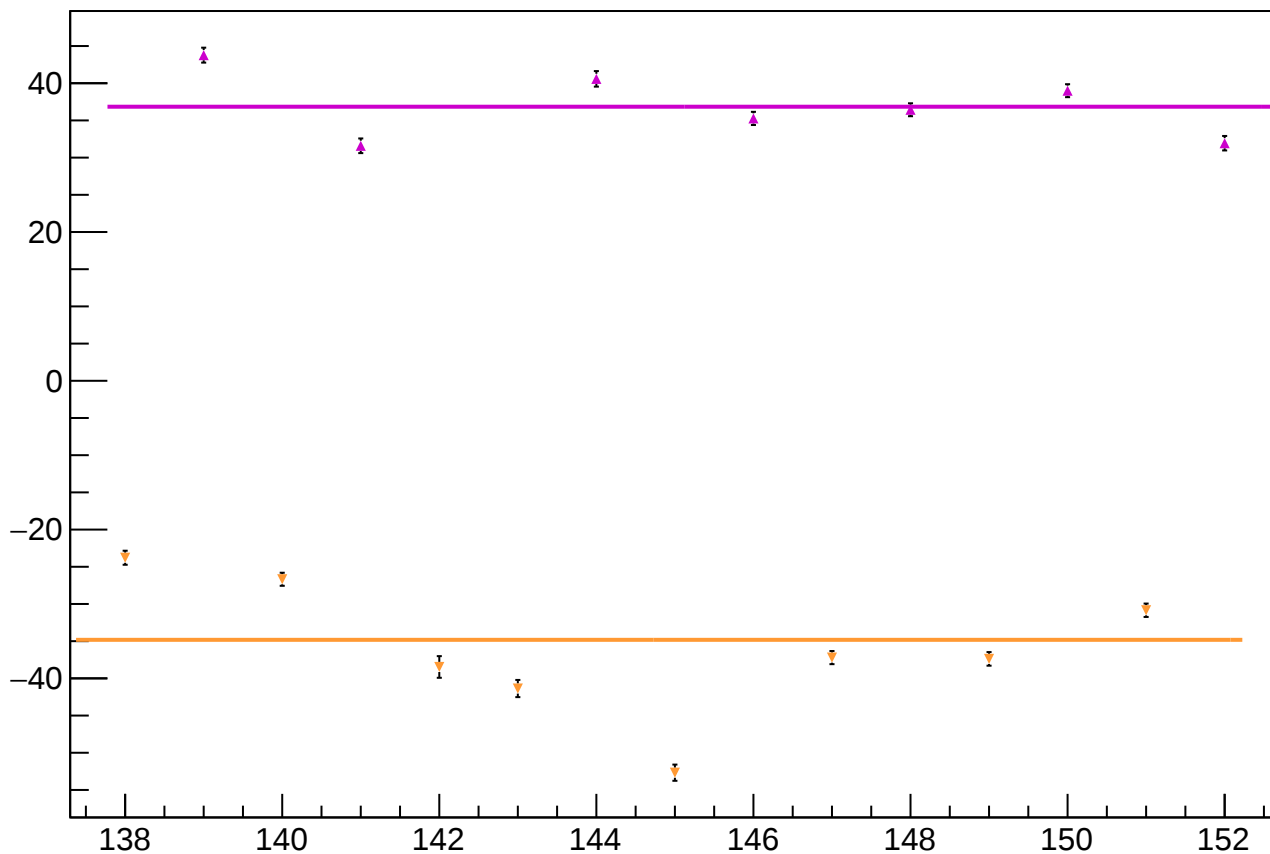
0.691 ± 0.161 χ^2/NDF : 2706.1/51

-4.752 ± 0.231 χ^2/NDF : 773.3/26

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

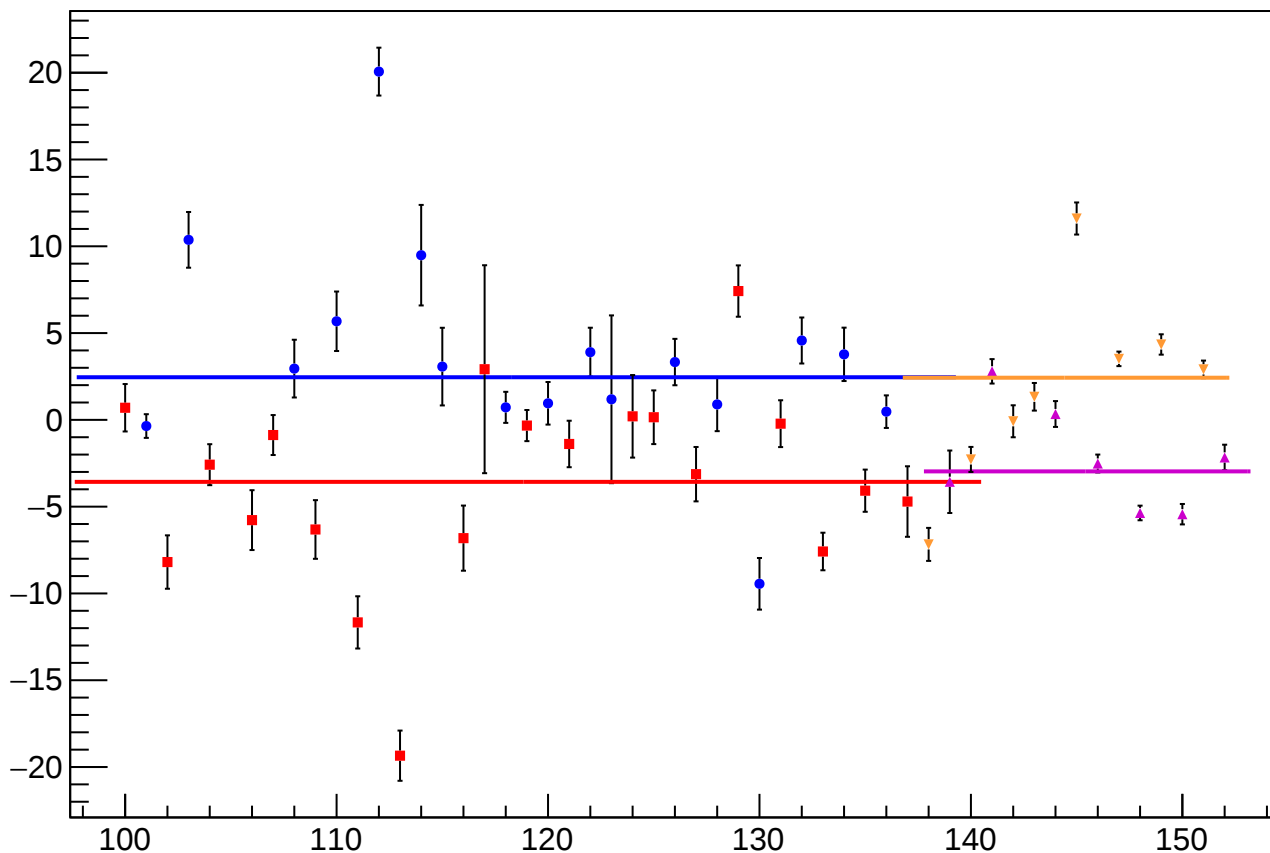
Left In: 36.843+/-0.356 χ^2/NDF : 123.6/6

-34.820+/-0.349 χ^2/NDF : 563.7/7

0.383+/-0.249 χ^2/NDF : 21340.3/14

36.843+/-0.356 χ^2/NDF : 123.6/6

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.455 ± 0.315 $\chi^2/\text{NDF}: 293.5/16$

Left Out: 2.428 ± 0.227 $\chi^2/\text{NDF}: 270.6/7$

Right Out: -3.571 ± 0.317 $\chi^2/\text{NDF}: 281.0/19$

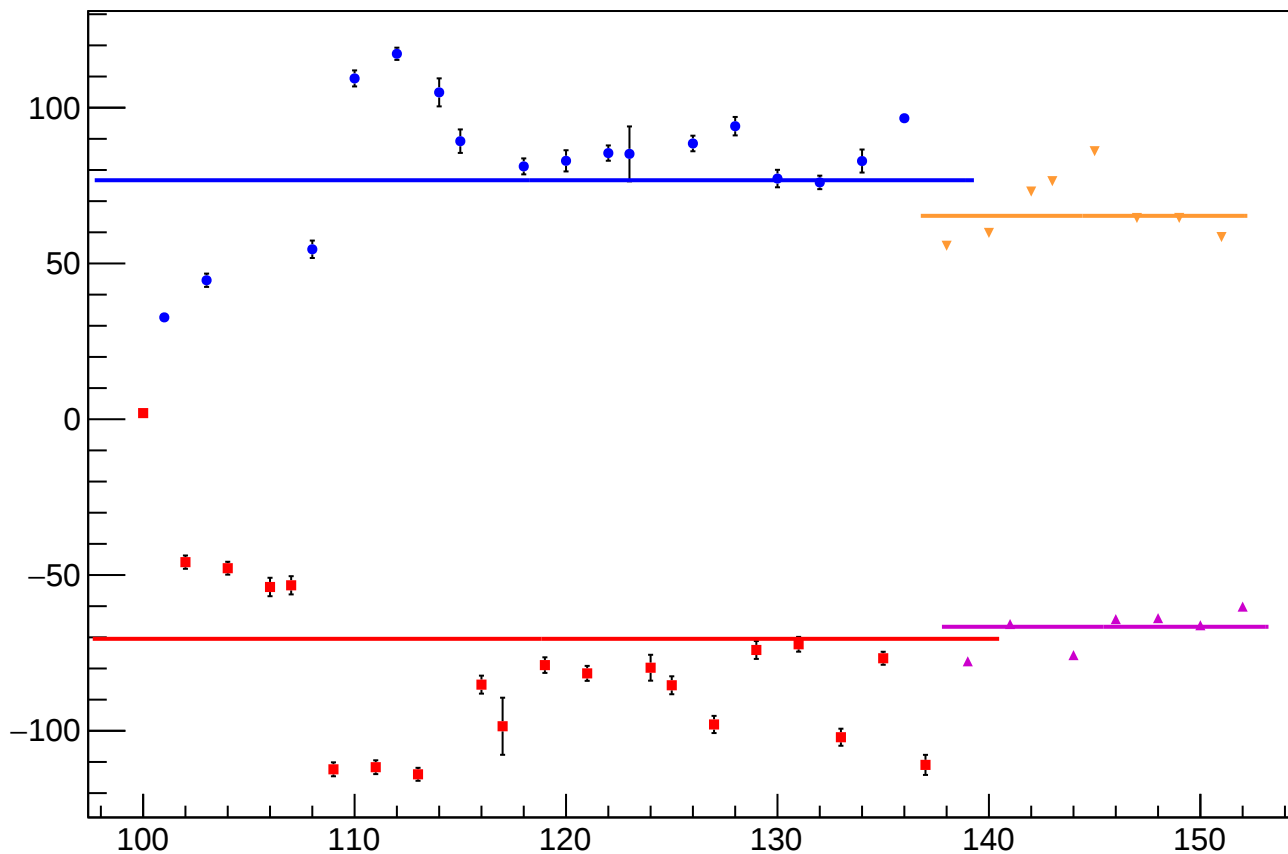
Left In: -2.968 ± 0.234 $\chi^2/\text{NDF}: 138.7/6$

2.438 ± 0.184 $\chi^2/\text{NDF}: 564.1/24$

-0.305 ± 0.132 $\chi^2/\text{NDF}: 1441.8/51$

-3.181 ± 0.188 $\chi^2/\text{NDF}: 422.1/26$

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.713 $\pm$ 0.576 χ^2/NDF : 2266.6/16

Left Out: 65.288 $\pm$ 0.351 χ^2/NDF : 624.7/7

Right Out: -70.477 $\pm$ 0.549 χ^2/NDF : 4400.1/19

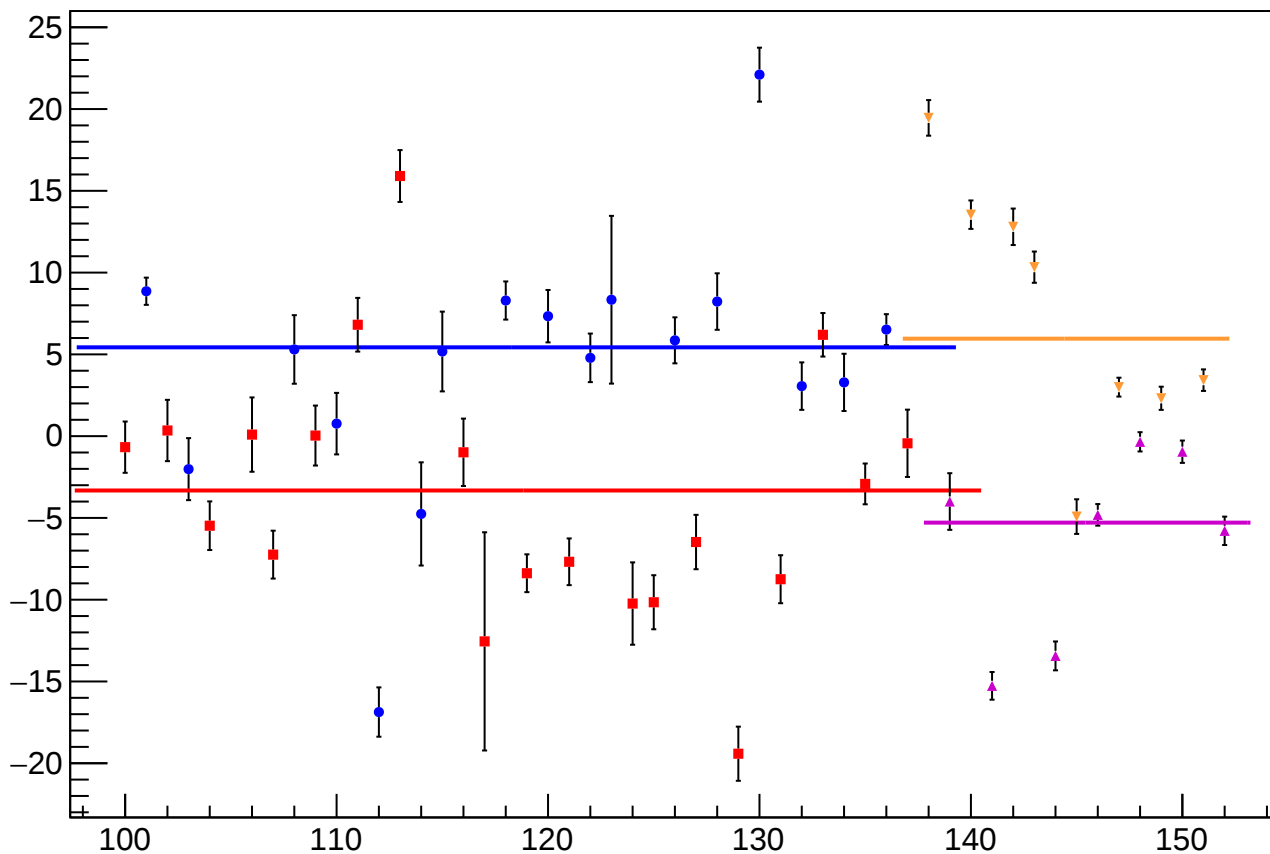
Left In: -66.612 $\pm$ 0.351 χ^2/NDF : 238.9/6

68.377 $\pm$ 0.300 χ^2/NDF : 3178.0/24

-0.570 $\pm$ 0.211 χ^2/NDF : 112345.3/51

-67.734 $\pm$ 0.296 χ^2/NDF : 4674.2/26

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.430 ± 0.361 χ^2/NDF : 385.9/16

Left Out: 5.960 ± 0.286 χ^2/NDF : 461.5/7

Right Out: -3.323 ± 0.365 χ^2/NDF : 428.0/19

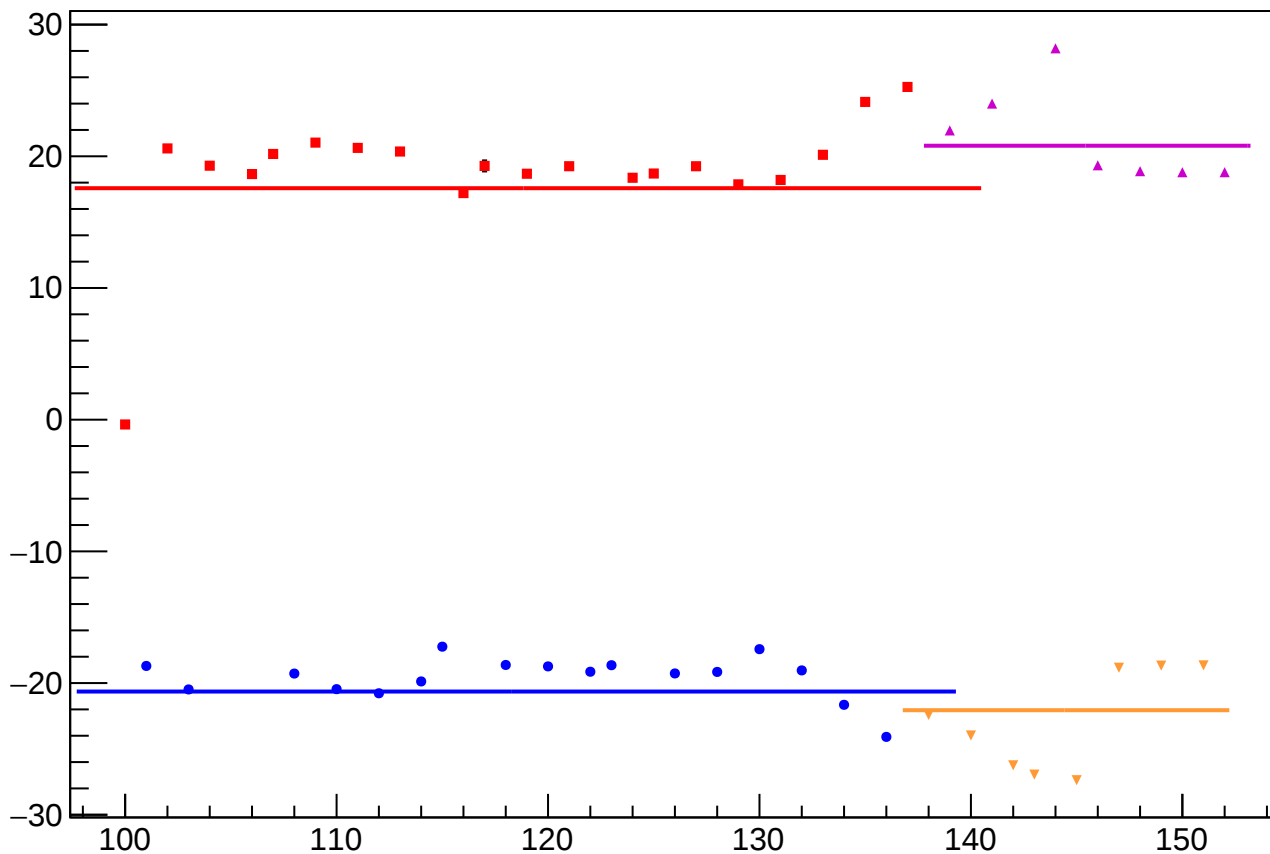
Left In: -5.288 ± 0.293 χ^2/NDF : 336.2/6

5.756 ± 0.224 χ^2/NDF : 848.7/24

0.720 ± 0.160 χ^2/NDF : 2662.6/51

-4.517 ± 0.228 χ^2/NDF : 781.8/26

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

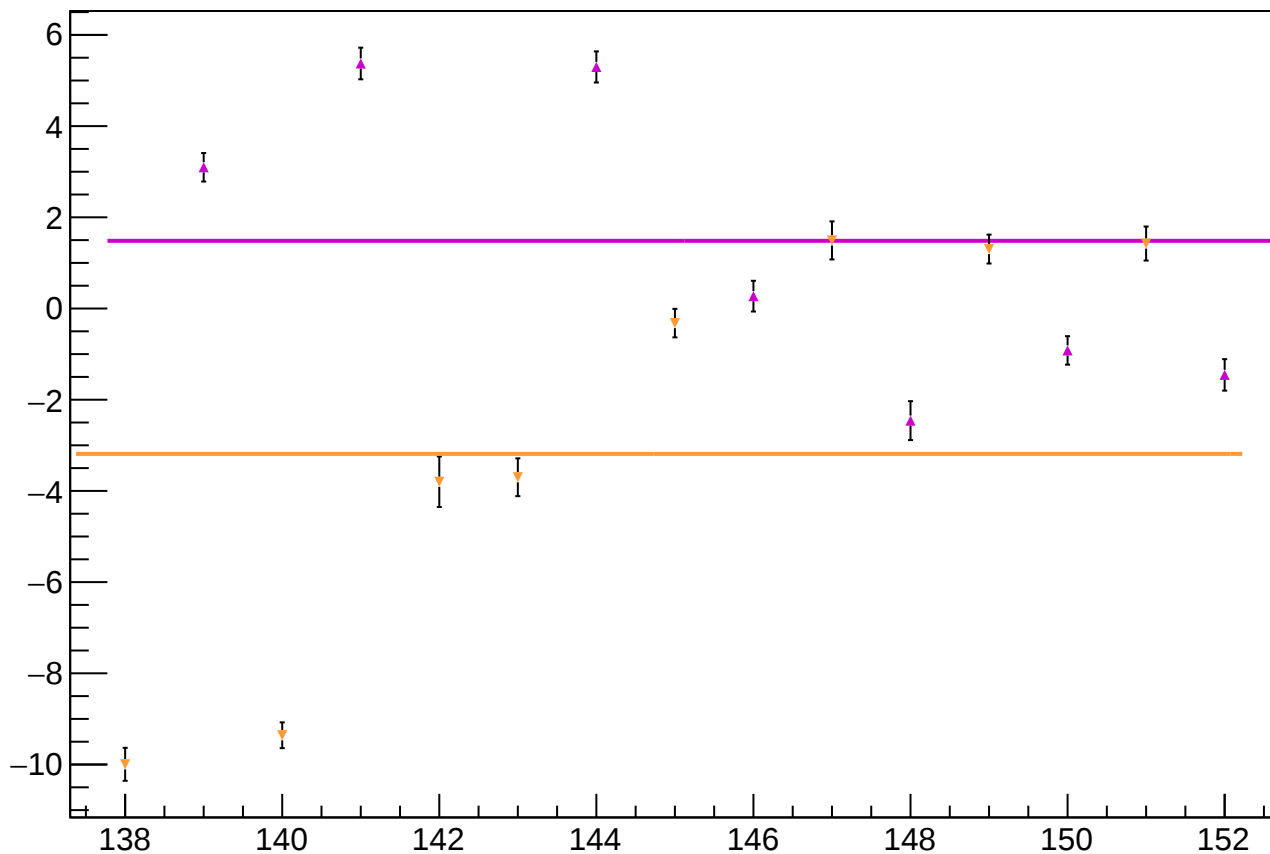
Left In: 20.802+/-0.015 χ^2/NDF : 40243.5/6

-21.532+/-0.012 χ^2/NDF : 69932.1/24

-0.165+/-0.008 χ^2/NDF : 6579883.8/51

19.522+/-0.011 χ^2/NDF : 237911.8/26

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

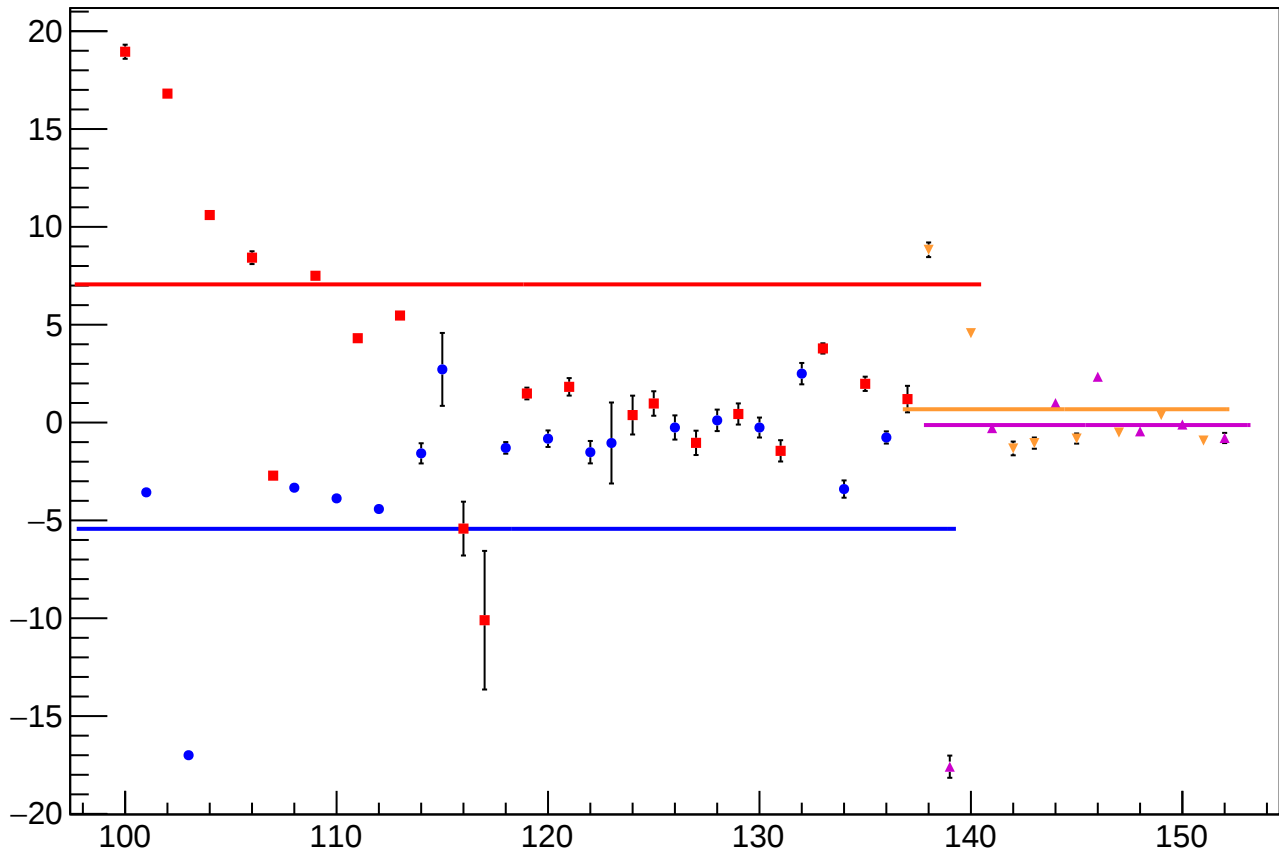
Left In: 1.485+/-0.129 χ^2/NDF : 507.5/6

-3.188+/-0.127 χ^2/NDF : 1396.2/7

-0.894+/-0.090 χ^2/NDF : 2571.8/14

1.485+/-0.129 χ^2/NDF : 507.5/6

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

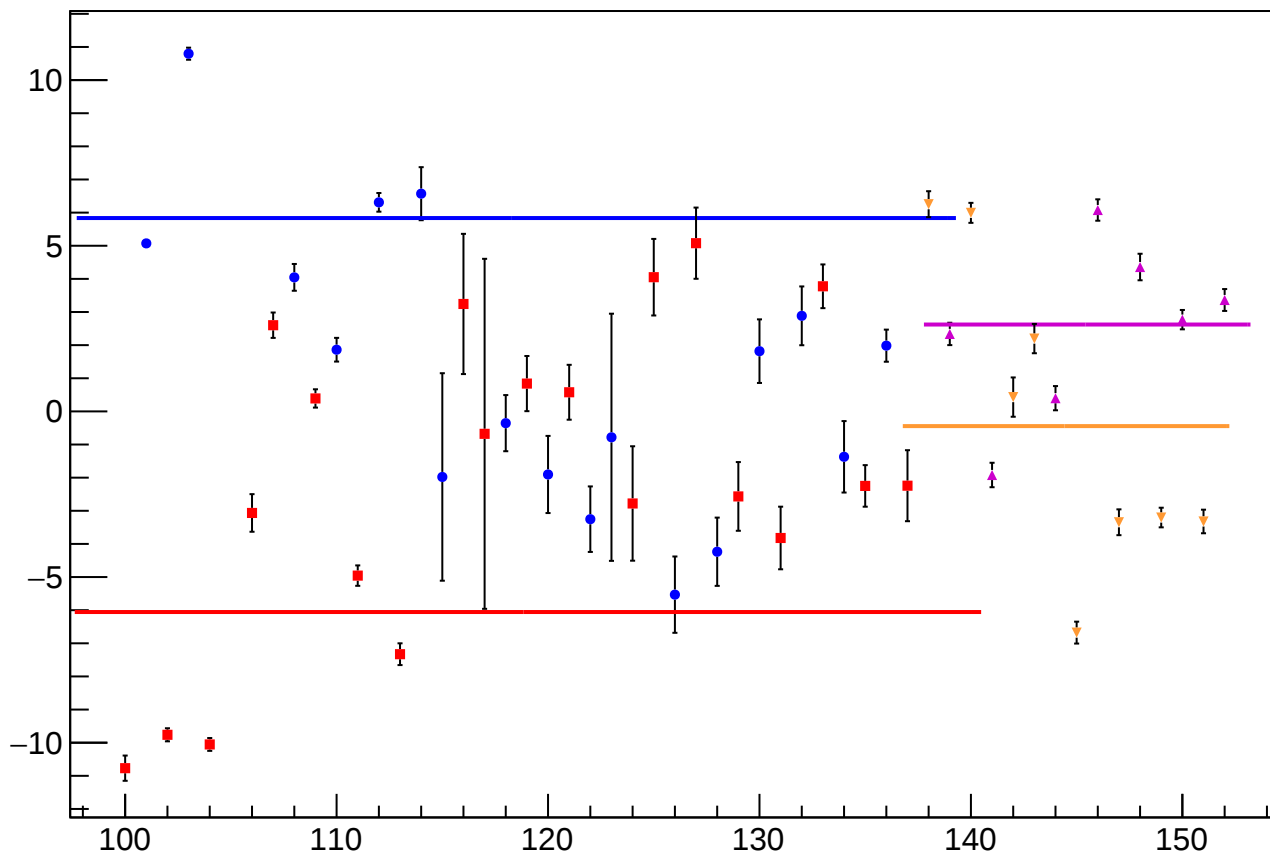
Left In: -0.128 ± 0.092 χ^2/NDF : 1110.7/6

-3.720 ± 0.047 χ^2/NDF : 13645.8/24

0.342 ± 0.034 χ^2/NDF : 47685.5/51

4.975 ± 0.050 χ^2/NDF : 17745.9/26

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.836 ± 0.090 $\chi^2/\text{NDF}: 1440.9/16$

Left Out: -0.444 ± 0.129 $\chi^2/\text{NDF}: 1348.3/7$

Right Out: -6.056 ± 0.093 $\chi^2/\text{NDF}: 2669.9/19$

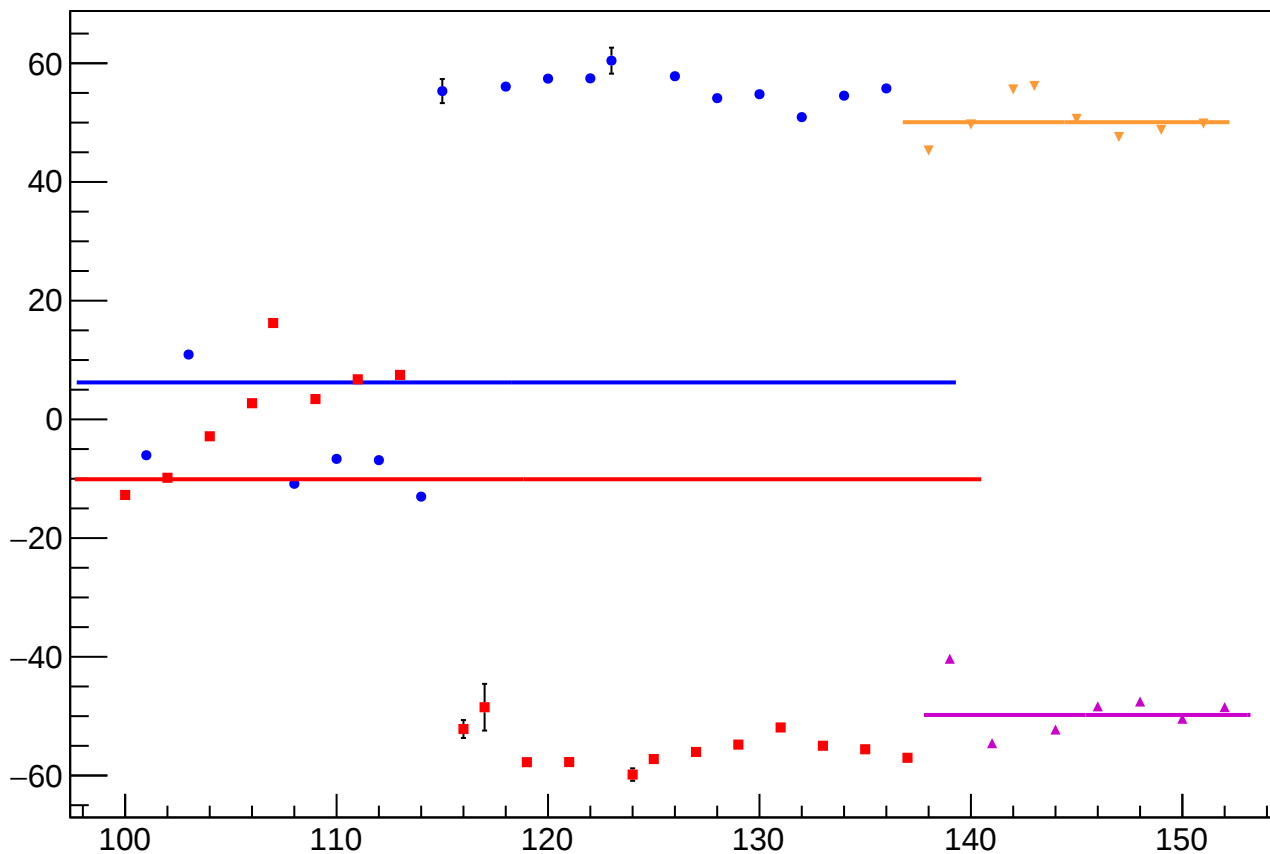
Left In: 2.622 ± 0.129 $\chi^2/\text{NDF}: 327.9/6$

3.782 ± 0.074 $\chi^2/\text{NDF}: 4394.0/24$

0.450 ± 0.053 $\chi^2/\text{NDF}: 14589.9/51$

-3.067 ± 0.076 $\chi^2/\text{NDF}: 5976.4/26$

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.226 ± 0.065 χ^2/NDF : 120955.1/16

Left Out: 50.070 ± 0.108 χ^2/NDF : 726.3/7

Right Out: -10.087 ± 0.070 χ^2/NDF : 122144.7/19

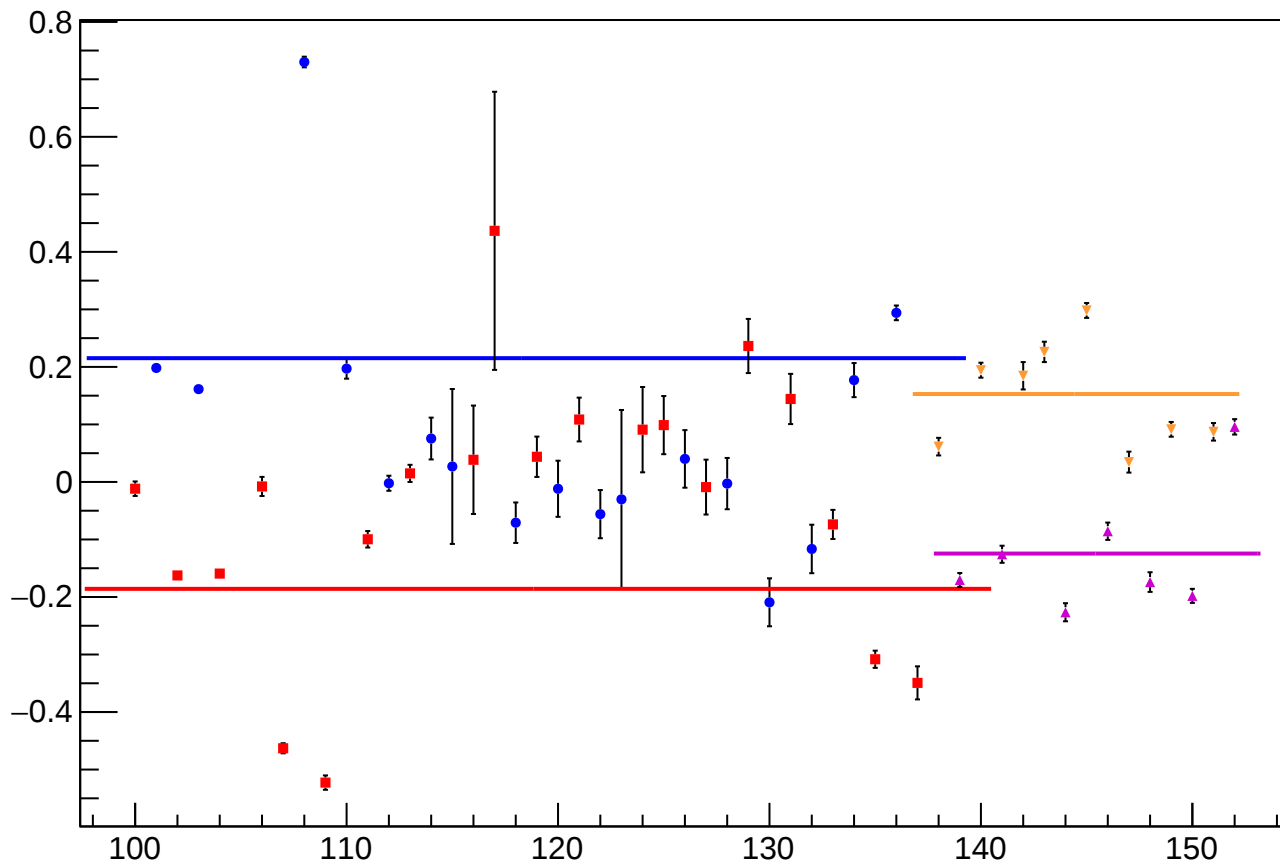
Left In: -49.798 ± 0.112 χ^2/NDF : 741.1/6

17.818 ± 0.056 χ^2/NDF : 242605.6/24

-0.465 ± 0.041 χ^2/NDF : 686770.6/51

-21.183 ± 0.059 χ^2/NDF : 213518.6/26

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215 ± 0.003 χ^2/NDF : 3925.9/16

Left Out: 0.153 ± 0.005 χ^2/NDF : 274.0/7

Right Out: -0.186 ± 0.003 χ^2/NDF : 2724.7/19

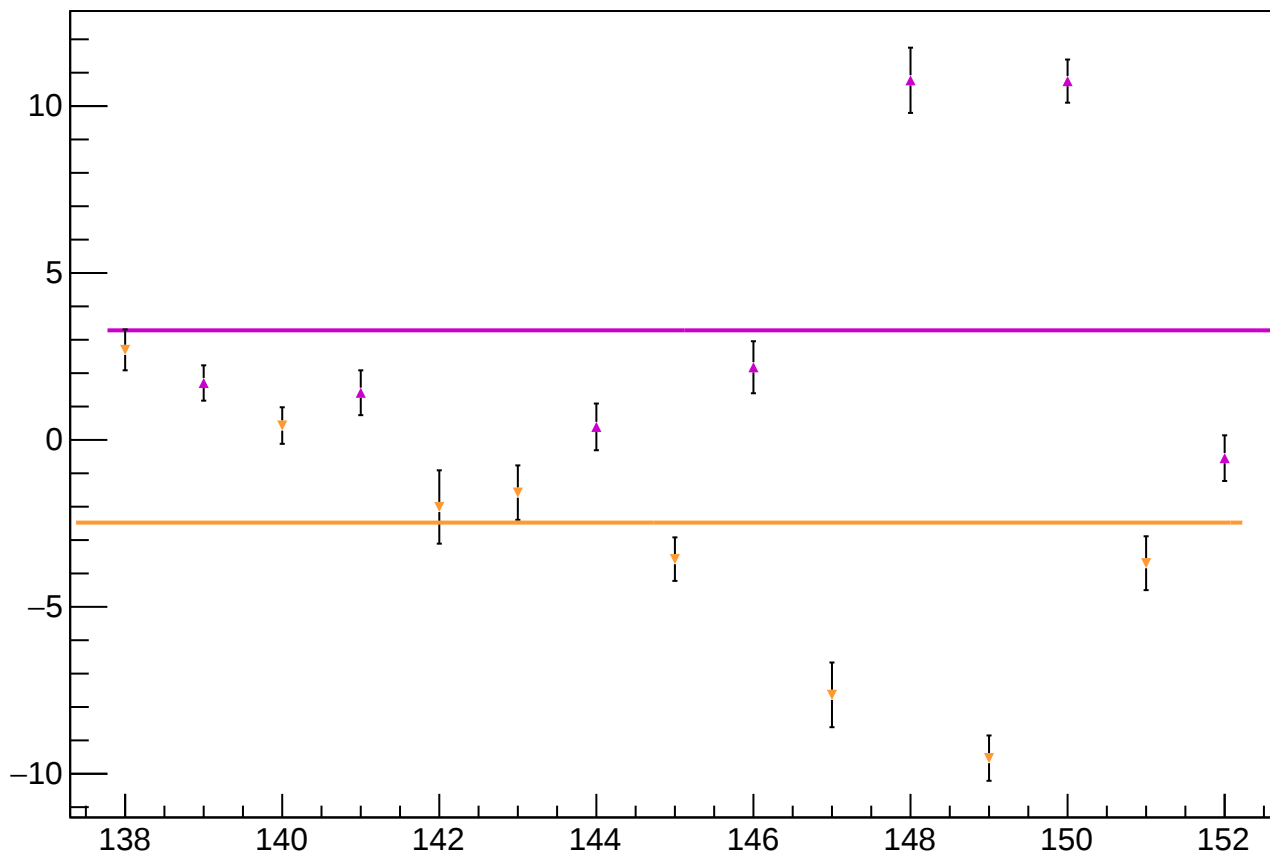
Left In: -0.124 ± 0.005 χ^2/NDF : 377.5/6

0.202 ± 0.002 χ^2/NDF : 4305.8/24

0.009 ± 0.002 χ^2/NDF : 19446.0/51

-0.173 ± 0.002 χ^2/NDF : 3208.7/26

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

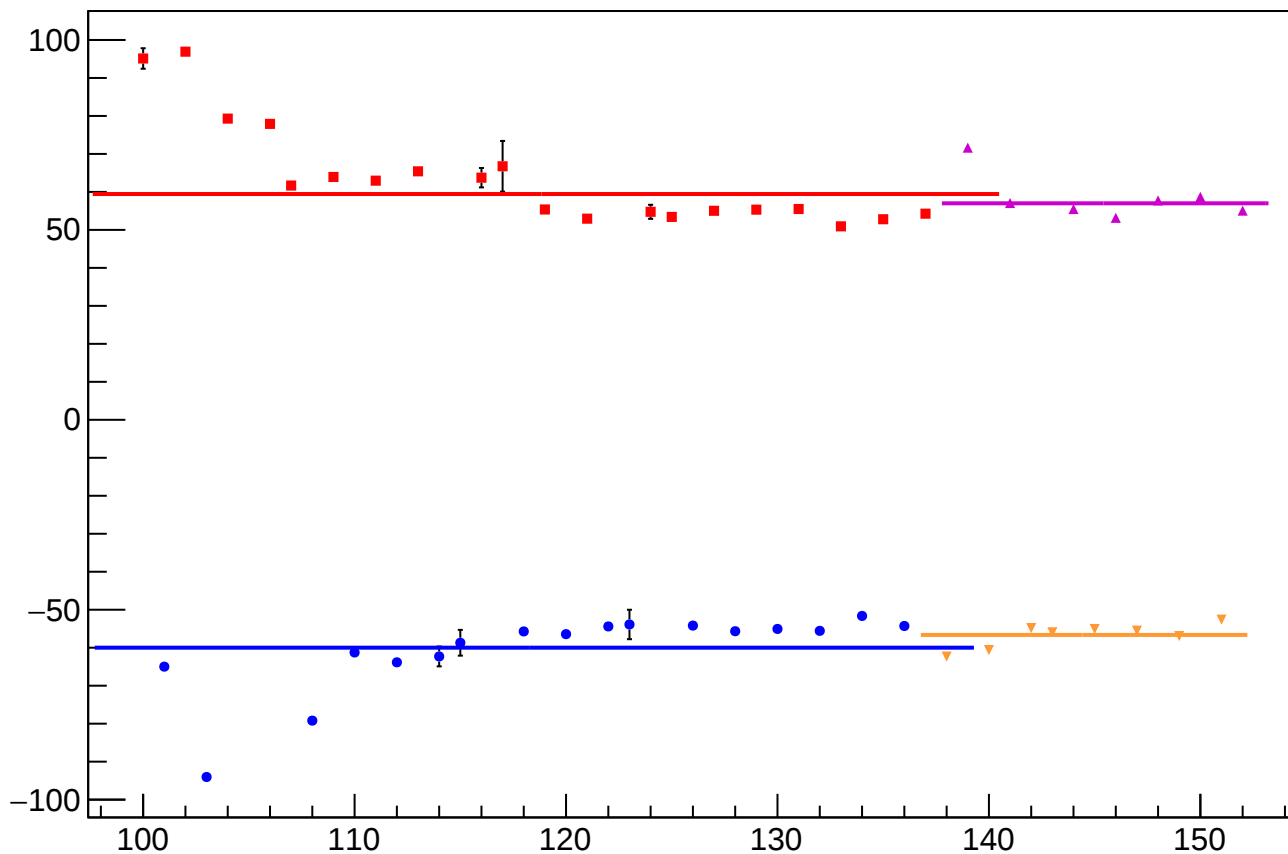
Left In: 3.282+/-0.258 χ^2/NDF : 259.2/6

-2.476+/-0.254 χ^2/NDF : 242.4/7

0.366+/-0.181 χ^2/NDF : 754.6/14

3.282+/-0.258 χ^2/NDF : 259.2/6

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

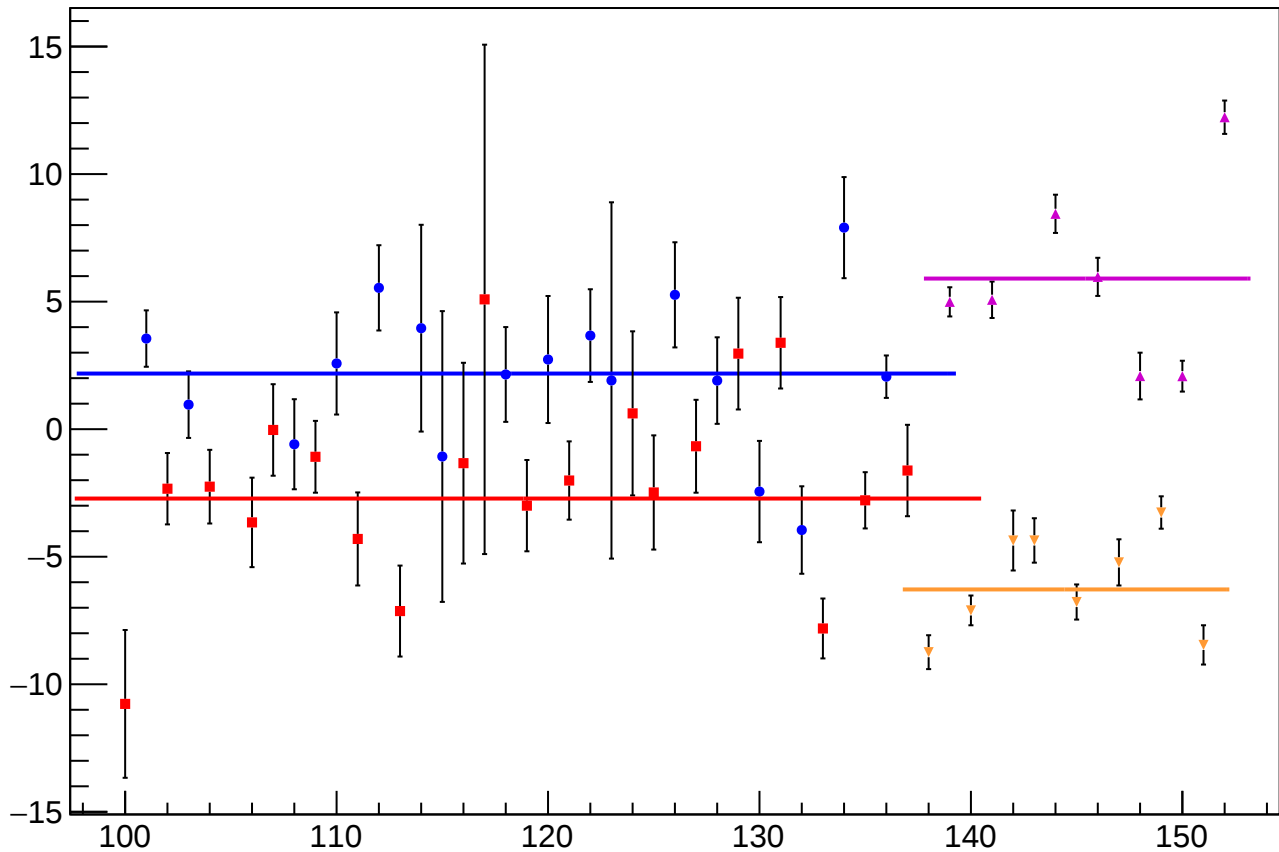
Left In: 56.999 ± 0.194 χ^2/NDF : 332.1/6

-57.980 ± 0.142 χ^2/NDF : 2345.6/24

-0.258 ± 0.101 χ^2/NDF : 335869.0/51

58.116 ± 0.143 χ^2/NDF : 3323.4/26

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.181 ± 0.406 $\chi^2/\text{NDF}: 39.0/16$

Left Out: -6.283 ± 0.260 $\chi^2/\text{NDF}: 55.6/7$

Right Out: -2.719 ± 0.388 $\chi^2/\text{NDF}: 59.5/19$

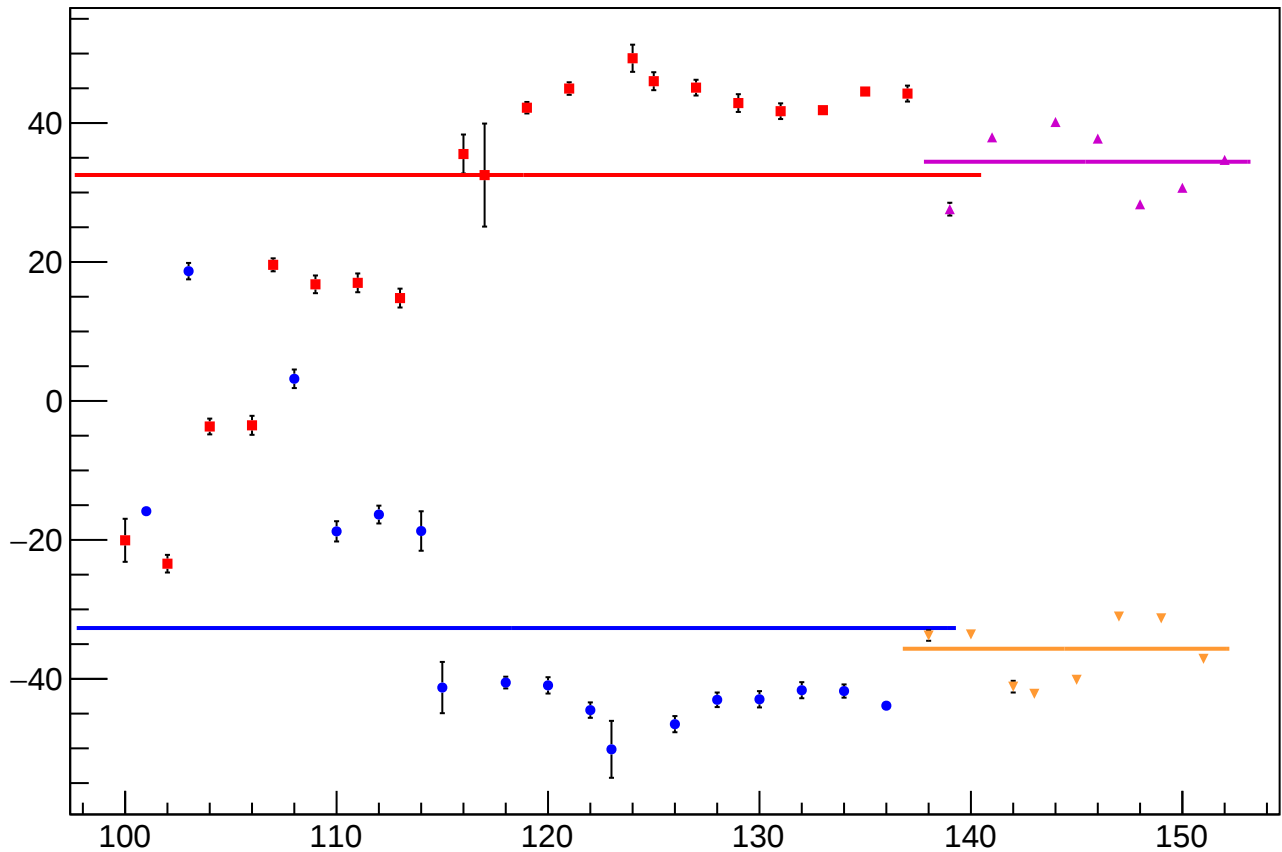
Left In: 5.905 ± 0.259 $\chi^2/\text{NDF}: 166.4/6$

-3.812 ± 0.219 $\chi^2/\text{NDF}: 402.9/24$

-0.231 ± 0.154 $\chi^2/\text{NDF}: 1496.1/51$

3.236 ± 0.216 $\chi^2/\text{NDF}: 567.7/26$

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 $\chi^2/\text{NDF}: 6045.3/19$

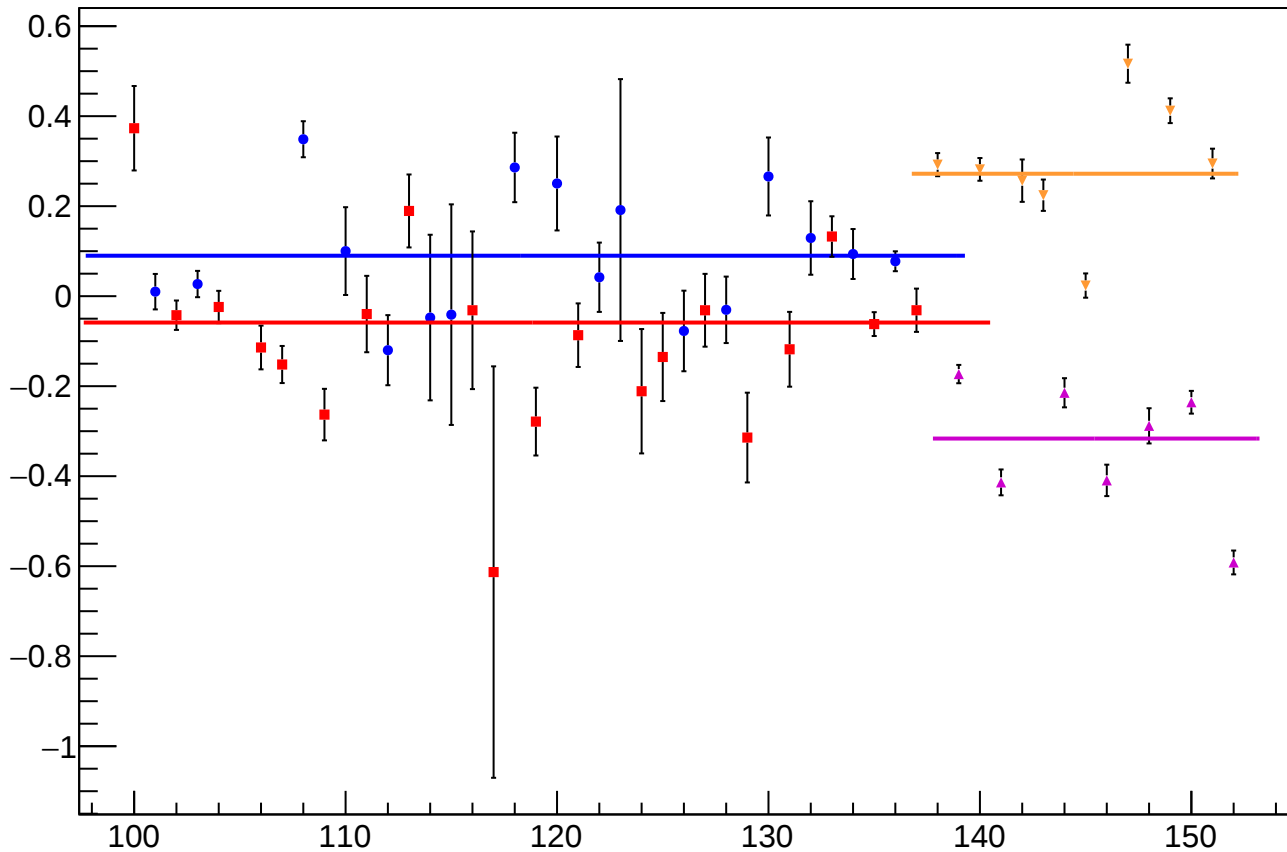
Left In: 34.429 ± 0.233 $\chi^2/\text{NDF}: 350.9/6$

-34.369 ± 0.169 $\chi^2/\text{NDF}: 5055.7/24$

-0.415 ± 0.119 $\chi^2/\text{NDF}: 92614.4/51$

33.519 ± 0.169 $\chi^2/\text{NDF}: 6428.1/26$

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

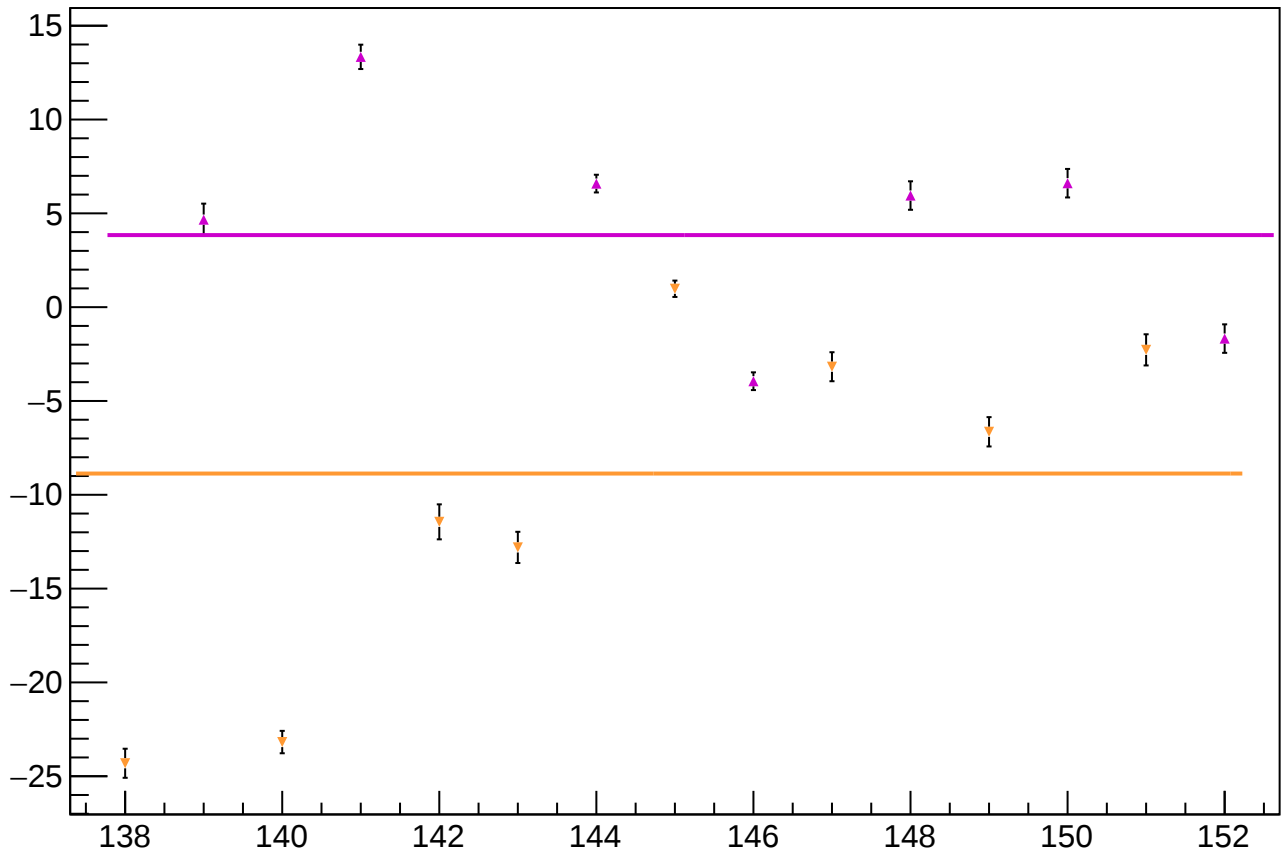
Left In: -0.316 ± 0.011 χ^2/NDF : 196.7/6

0.196 ± 0.008 χ^2/NDF : 344.9/24

-0.012 ± 0.006 χ^2/NDF : 2116.1/51

-0.206 ± 0.008 χ^2/NDF : 542.2/26

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

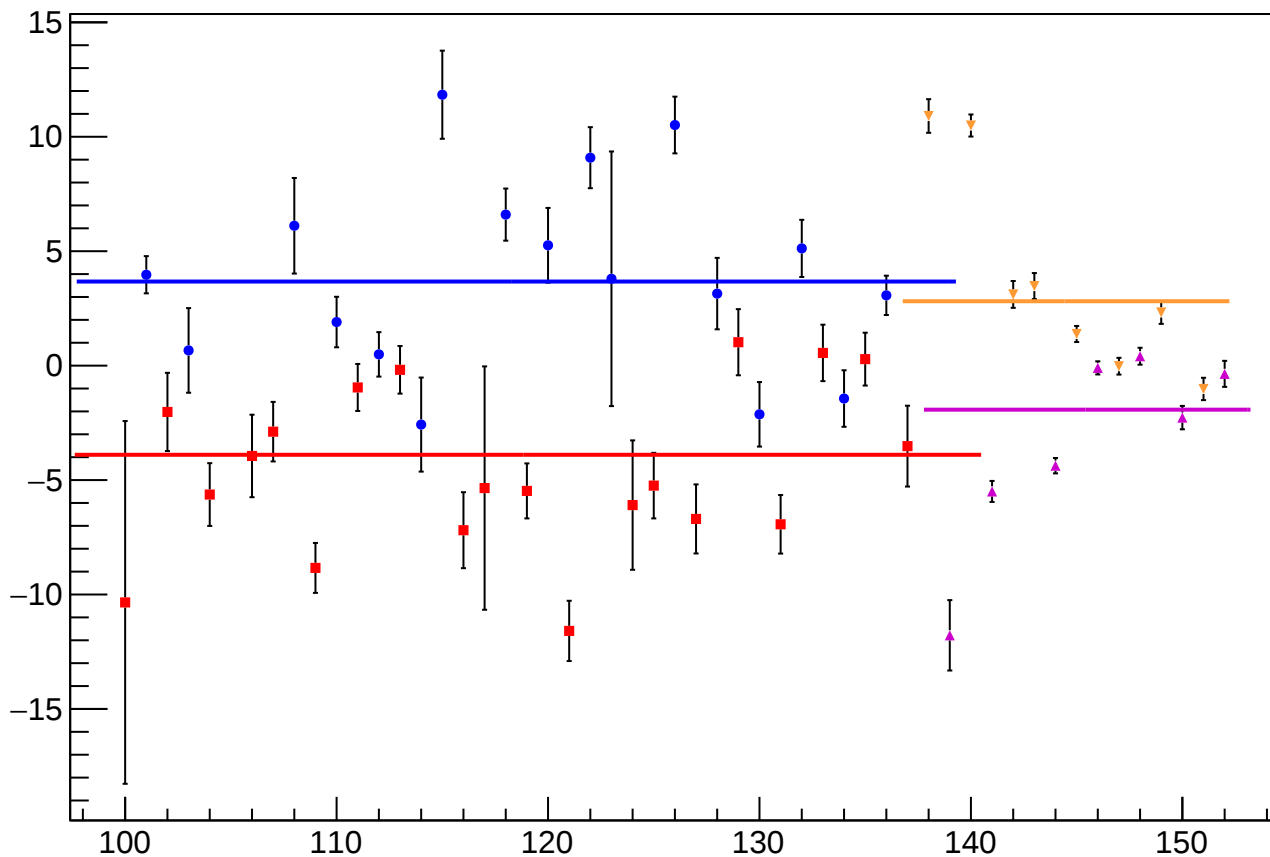
Left In: 3.841+/-0.236 χ^2/NDF : 594.1/6

-8.868+/-0.242 χ^2/NDF : 1638.1/7

-2.364+/-0.169 χ^2/NDF : 3644.8/14

3.841+/-0.236 χ^2/NDF : 594.1/6

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

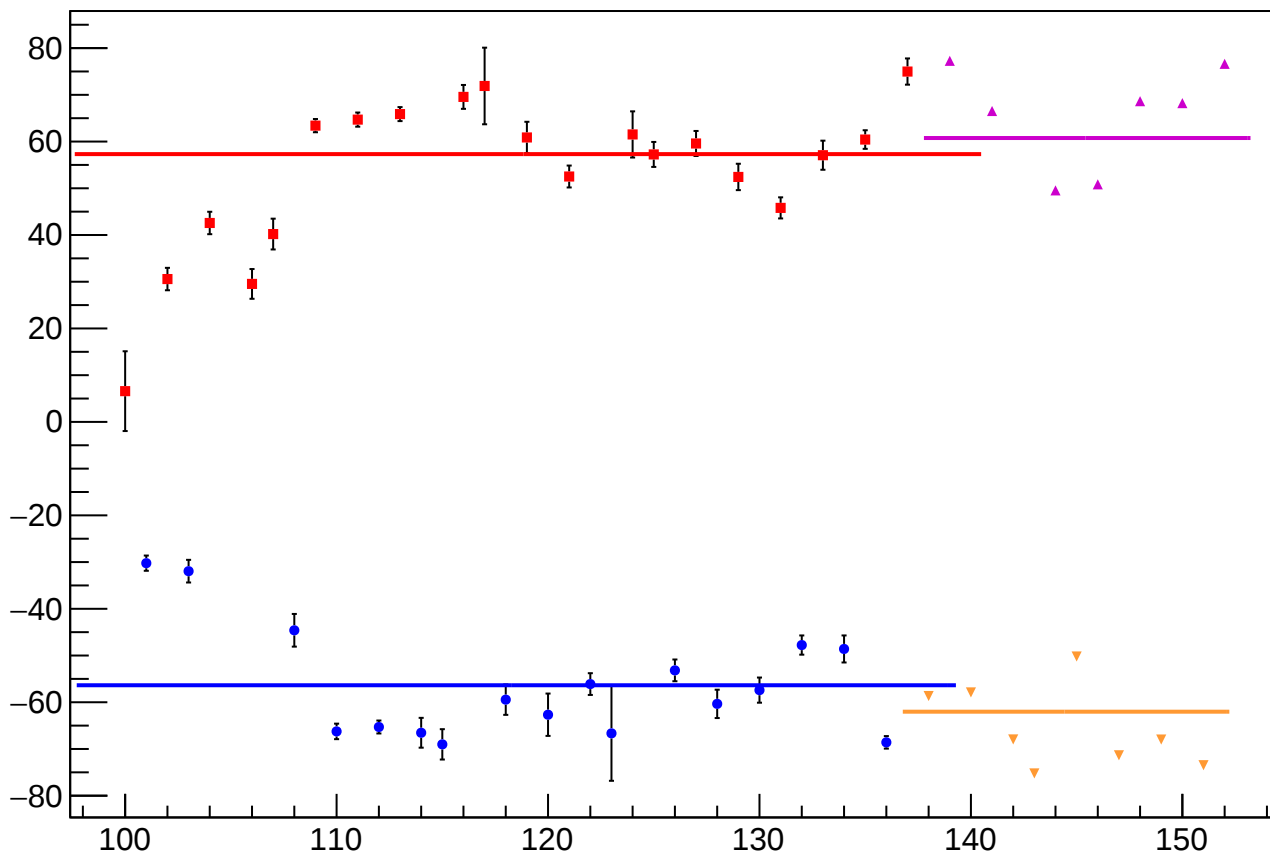
Left In: -1.924 ± 0.157 χ^2/NDF : 243.3/6

3.007 ± 0.147 χ^2/NDF : 656.9/24

0.232 ± 0.102 χ^2/NDF : 1749.5/51

-2.316 ± 0.141 χ^2/NDF : 408.3/26

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

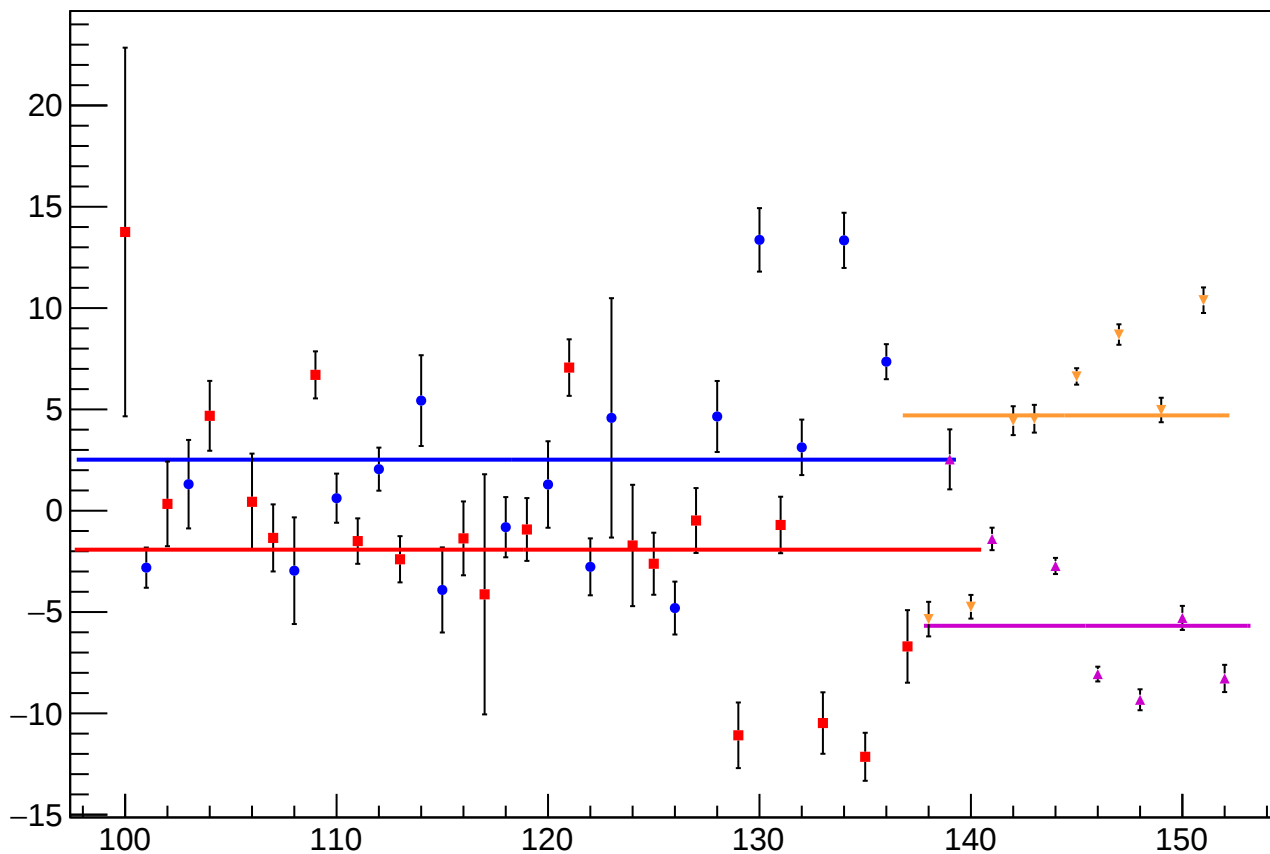
Left In: 60.757 ± 0.236 χ^2/NDF : 2068.7/6

-61.040 ± 0.226 χ^2/NDF : 2081.3/24

2.239 ± 0.156 χ^2/NDF : 154852.9/51

60.194 ± 0.216 χ^2/NDF : 2582.5/26

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

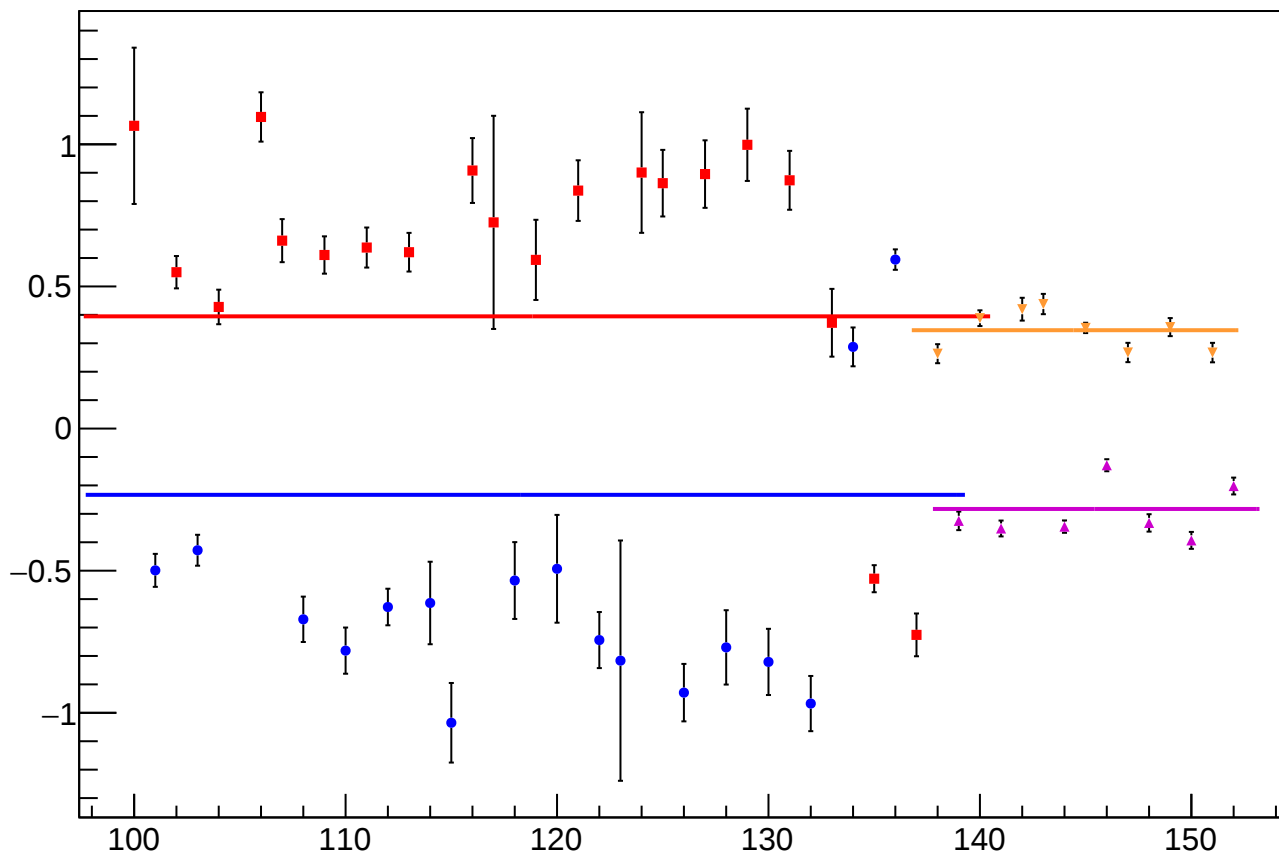
Left In: -5.678 ± 0.195 χ^2/NDF : 253.3/6

4.137 ± 0.177 χ^2/NDF : 838.3/24

-0.491 ± 0.123 χ^2/NDF : 2765.3/51

-4.805 ± 0.171 χ^2/NDF : 604.3/26

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

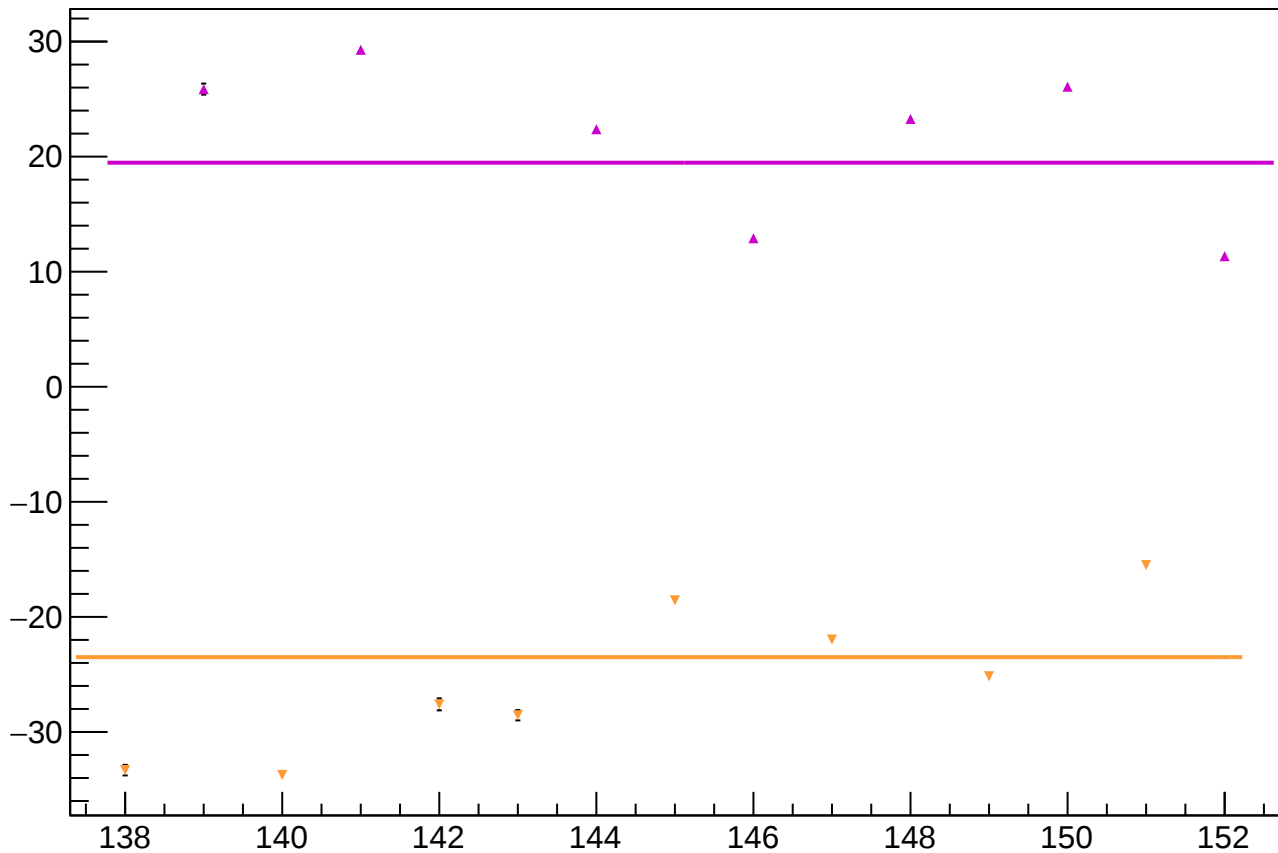
Left In: -0.283 ± 0.010 χ^2/NDF : 92.4/6

0.212 ± 0.009 χ^2/NDF : 1708.2/24

0.035 ± 0.006 χ^2/NDF : 4387.8/51

-0.134 ± 0.009 χ^2/NDF : 1935.1/26

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

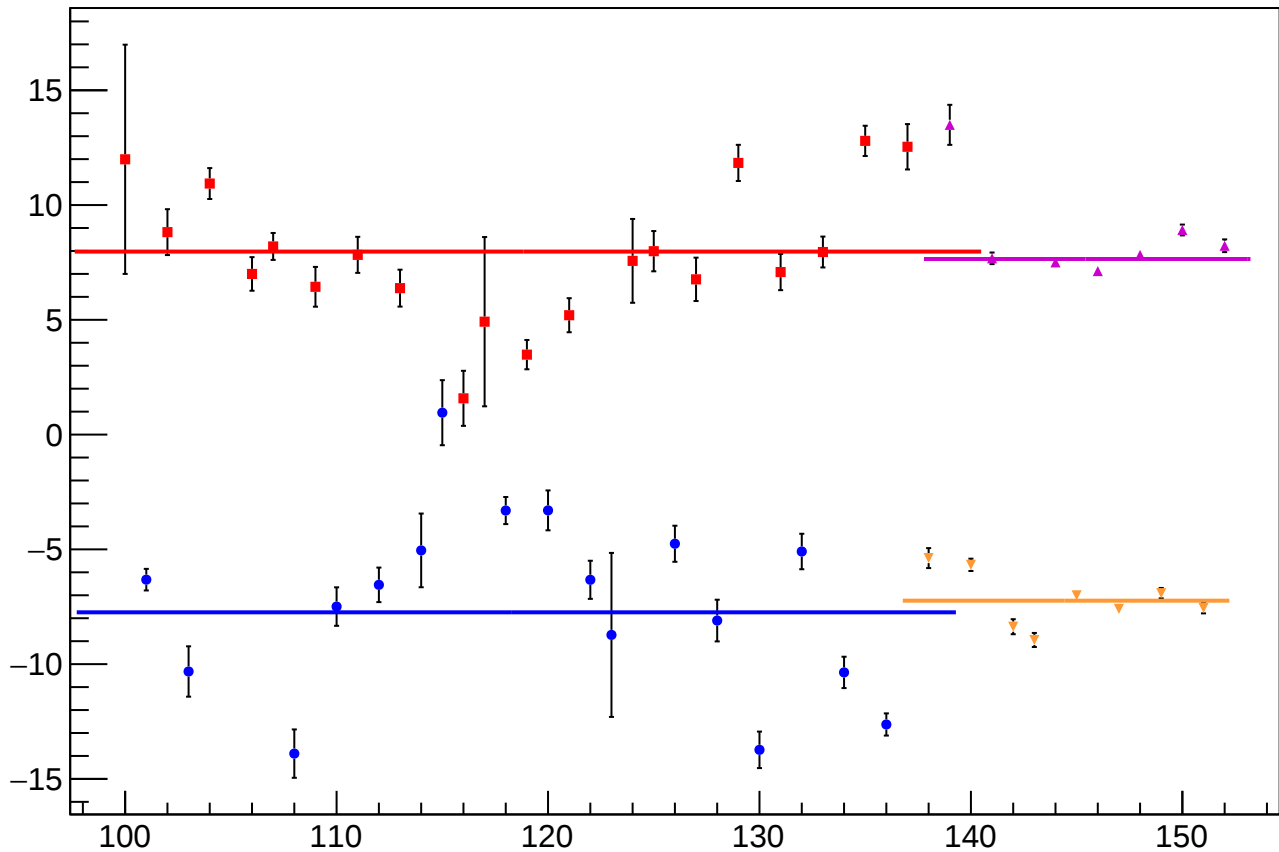
Left In: 19.471+/-0.109 χ^2/NDF : 3279.7/6

-23.498+/-0.119 χ^2/NDF : 2680.9/7

-0.212+/-0.080 χ^2/NDF : 76872.7/14

19.471+/-0.109 χ^2/NDF : 3279.7/6

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

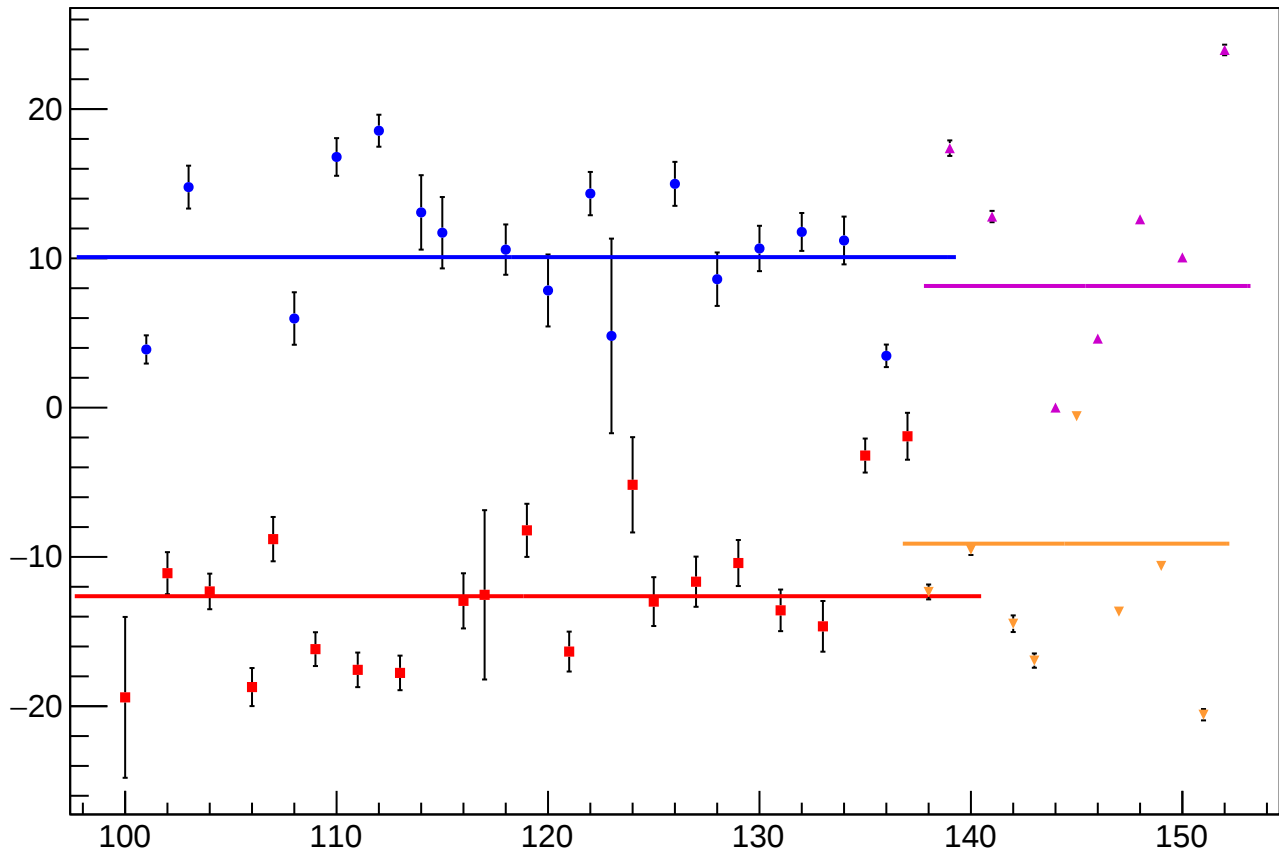
Left In: 7.650 ± 0.072 χ^2/NDF : 100.3/6

-7.316 ± 0.075 χ^2/NDF : 489.5/24

0.985 ± 0.050 χ^2/NDF : 23198.1/51

7.692 ± 0.067 χ^2/NDF : 327.1/26

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

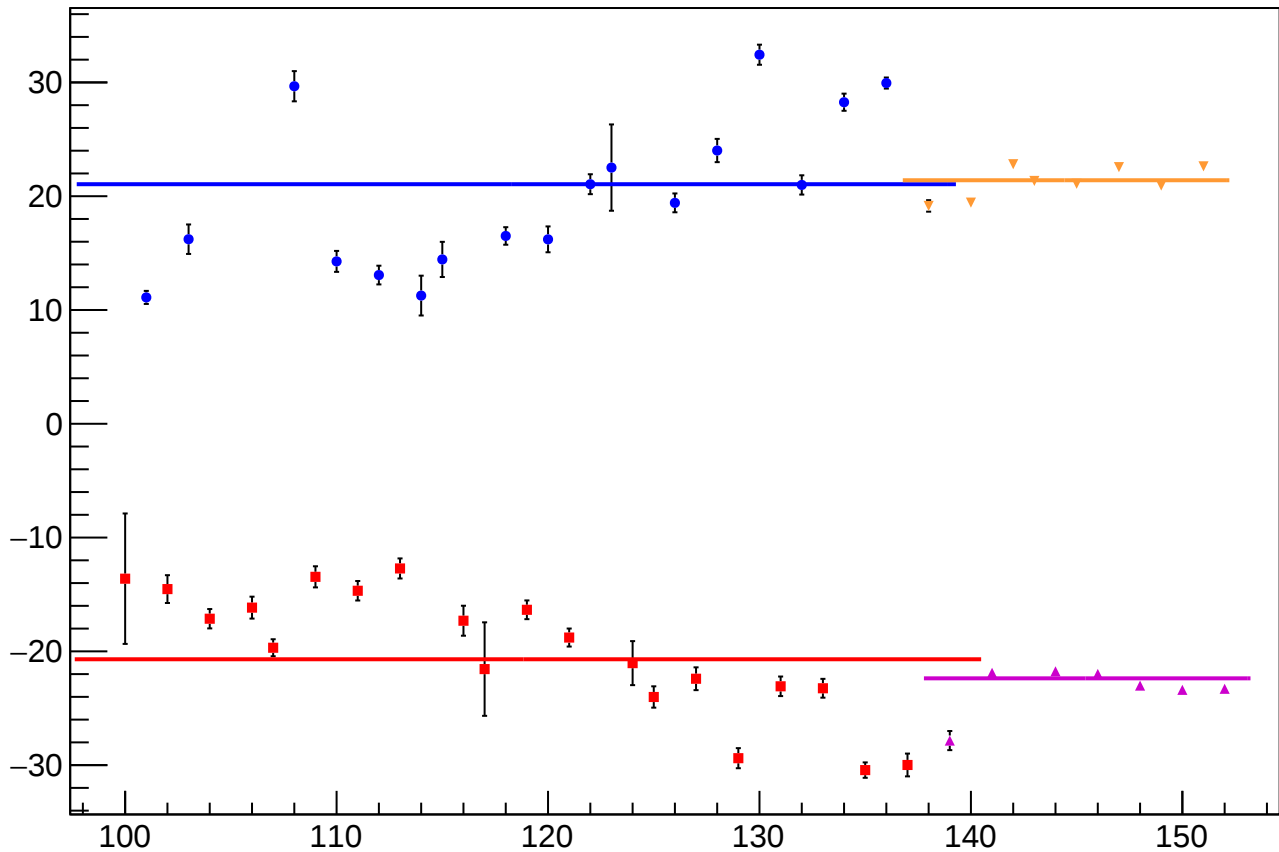
Left In: 8.150 ± 0.108 χ^2/NDF : 4205.8/6

-6.924 ± 0.114 χ^2/NDF : 6343.3/24

0.267 ± 0.077 χ^2/NDF : 21529.9/51

6.146 ± 0.103 χ^2/NDF : 7962.9/26

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 21.055 ± 0.211 χ^2/NDF : 1211.8/16

Left Out: 21.402 ± 0.100 χ^2/NDF : 115.5/7

Right Out: -20.696 ± 0.212 χ^2/NDF : 724.1/19

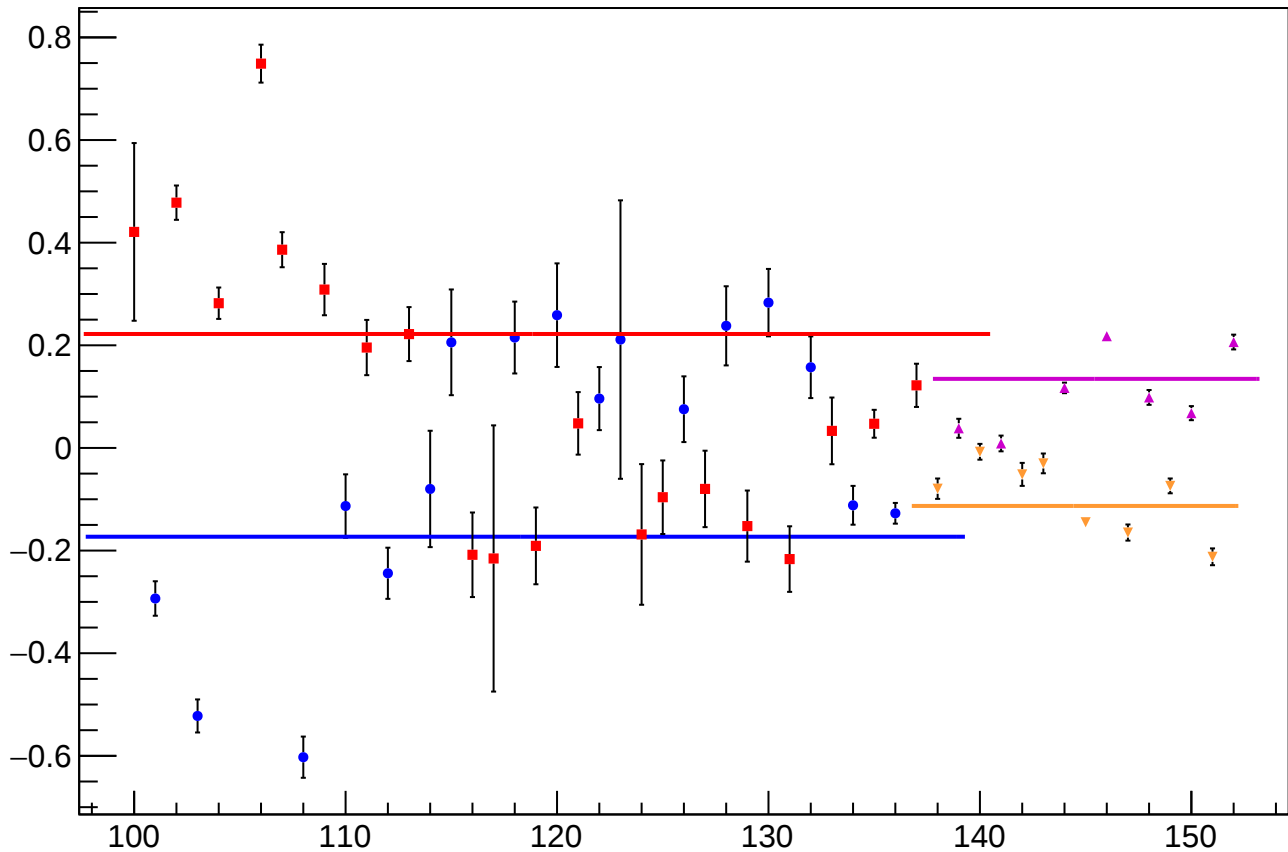
Left In: -22.372 ± 0.089 χ^2/NDF : 90.9/6

21.338 ± 0.091 χ^2/NDF : 1329.5/24

-2.504 ± 0.061 χ^2/NDF : 128348.5/51

-22.122 ± 0.082 χ^2/NDF : 867.9/26

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

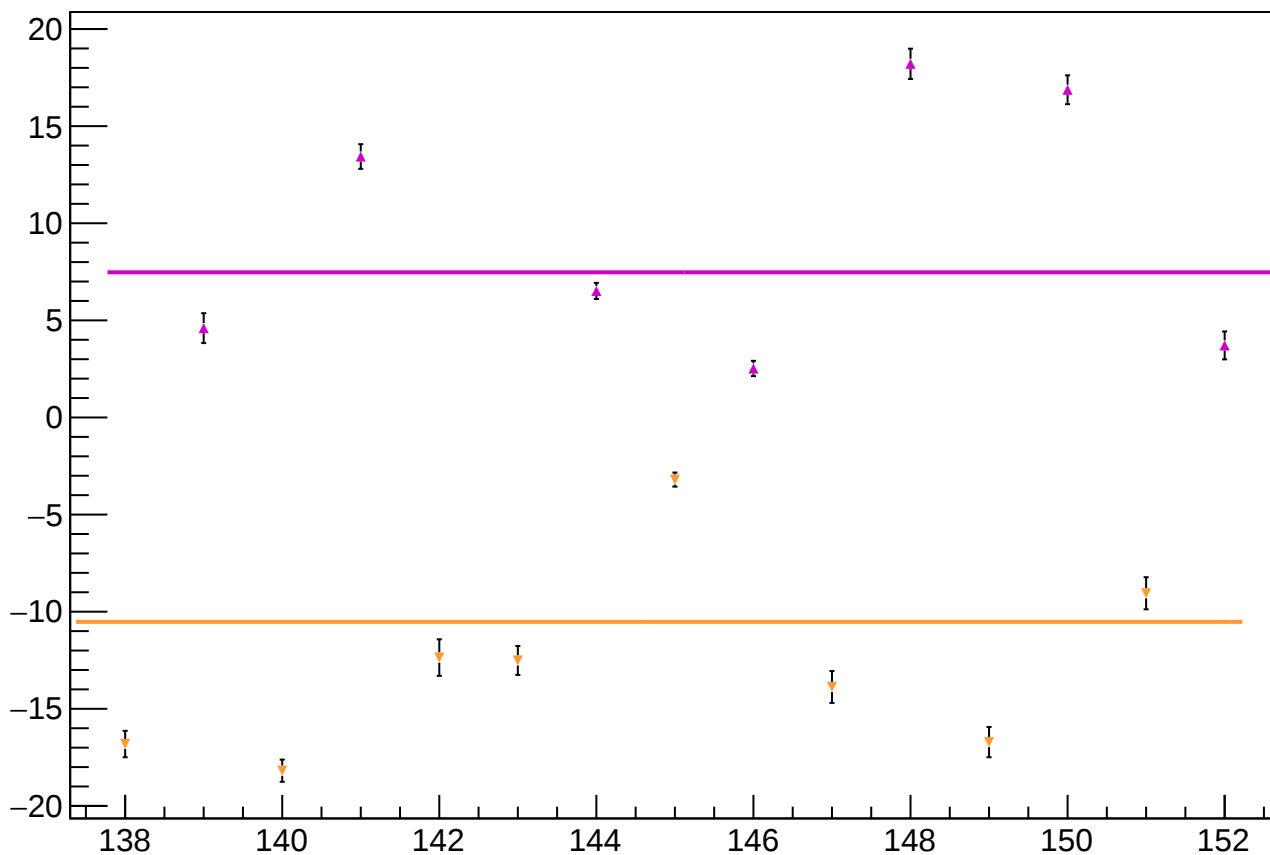
Left In: 0.135 ± 0.005 χ^2/NDF : 248.9/6

-0.123 ± 0.005 χ^2/NDF : 631.8/24

0.021 ± 0.003 χ^2/NDF : 3324.6/51

0.148 ± 0.004 χ^2/NDF : 840.8/26

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

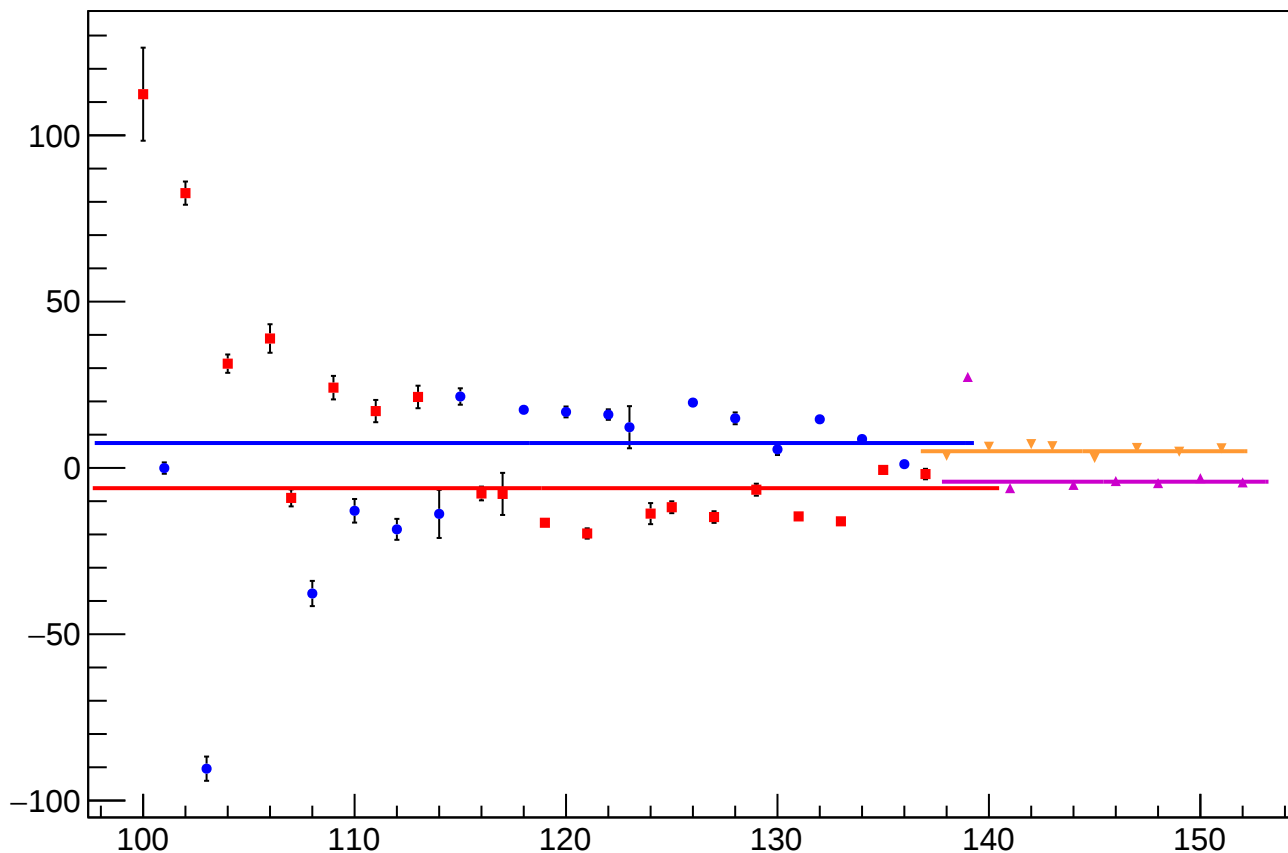
Left In: 7.474+/-0.214 χ^2/NDF : 642.2/6

-10.523+/-0.222 χ^2/NDF : 766.7/7

-1.219+/-0.154 χ^2/NDF : 4814.4/14

7.474+/-0.214 χ^2/NDF : 642.2/6

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

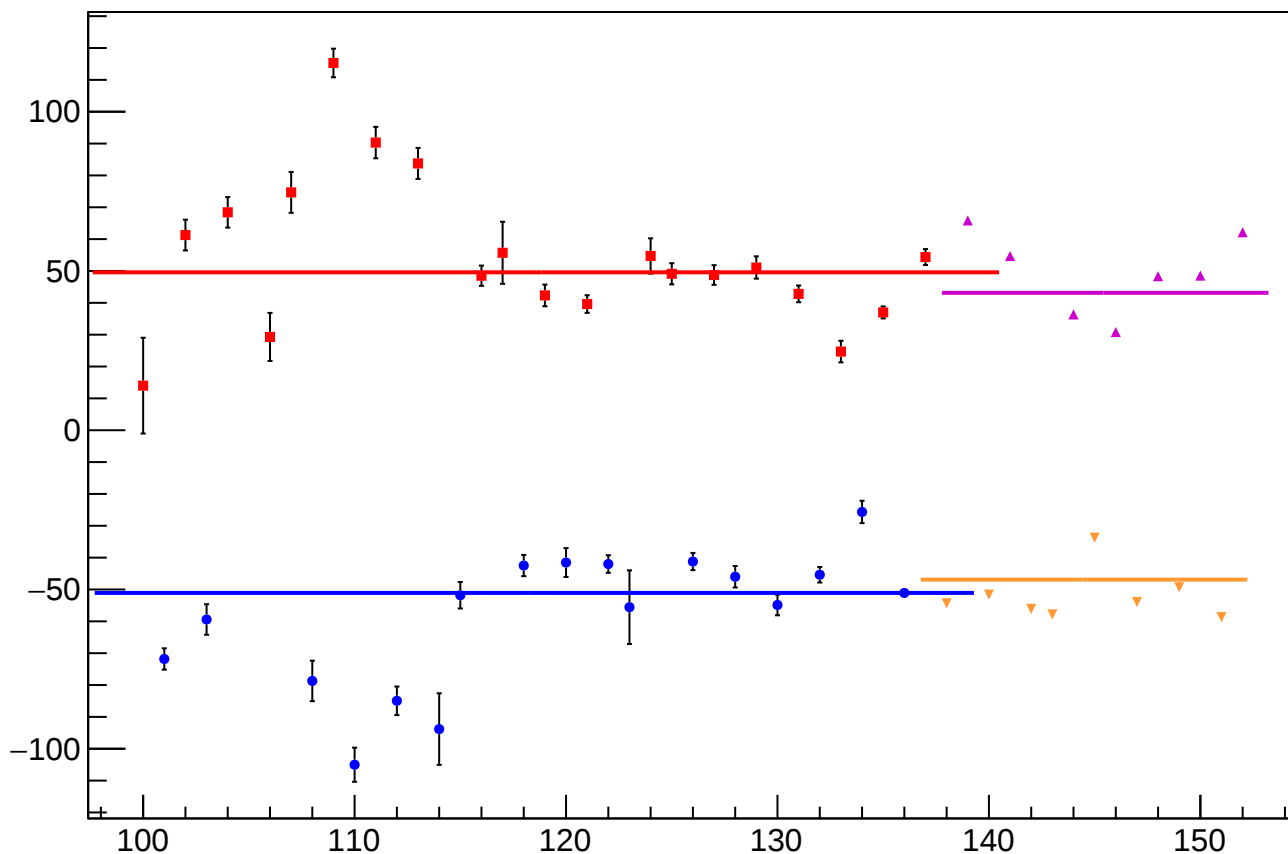
Left In: -4.143 ± 0.146 χ^2/NDF : 555.1/6

5.342 ± 0.146 χ^2/NDF : 1466.6/24

0.223 ± 0.101 χ^2/NDF : 5864.6/51

-4.340 ± 0.138 χ^2/NDF : 2085.3/26

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

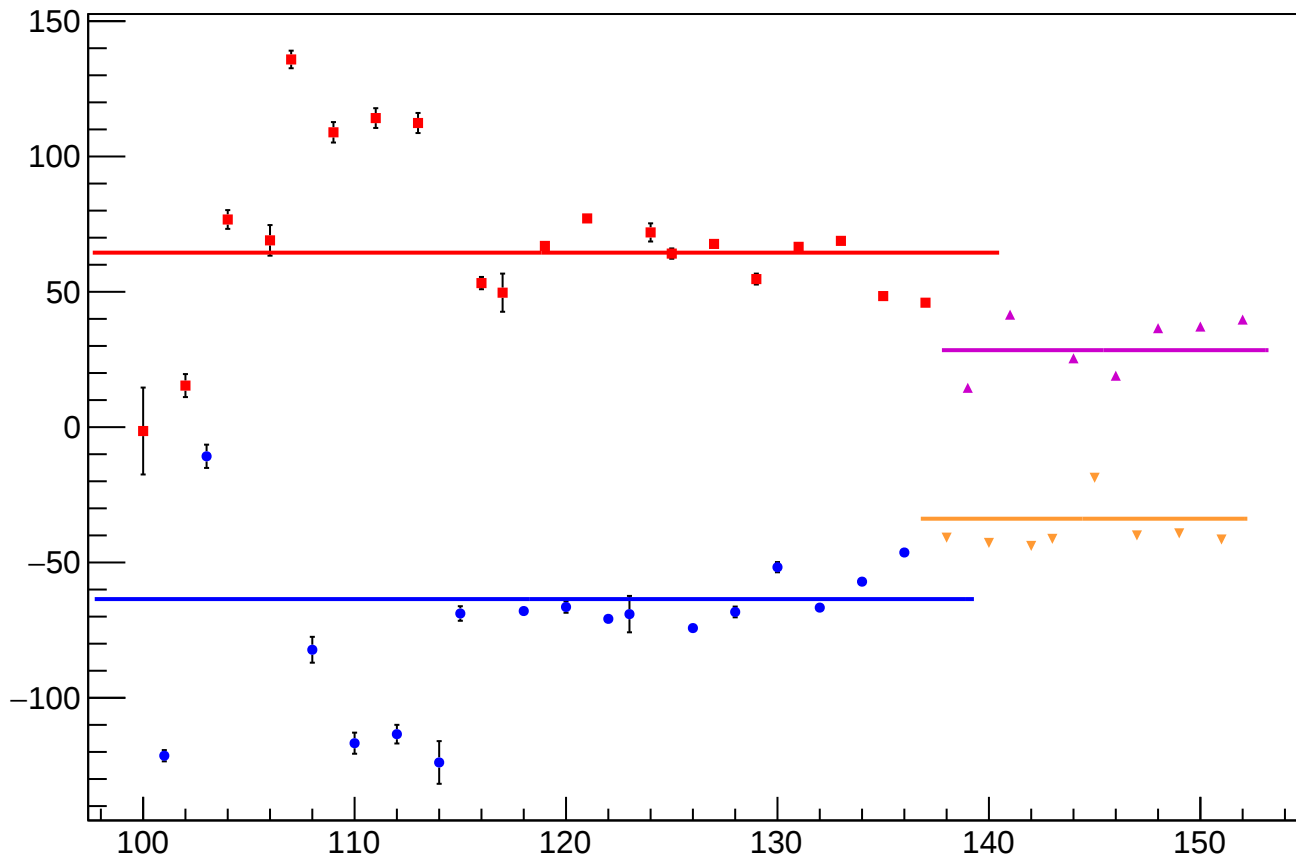
Left In: 43.141 ± 0.215 χ^2/NDF : 3199.6/6

-47.273 ± 0.219 χ^2/NDF : 2265.4/24

0.705 ± 0.151 χ^2/NDF : 96518.9/51

43.579 ± 0.207 χ^2/NDF : 3770.5/26

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

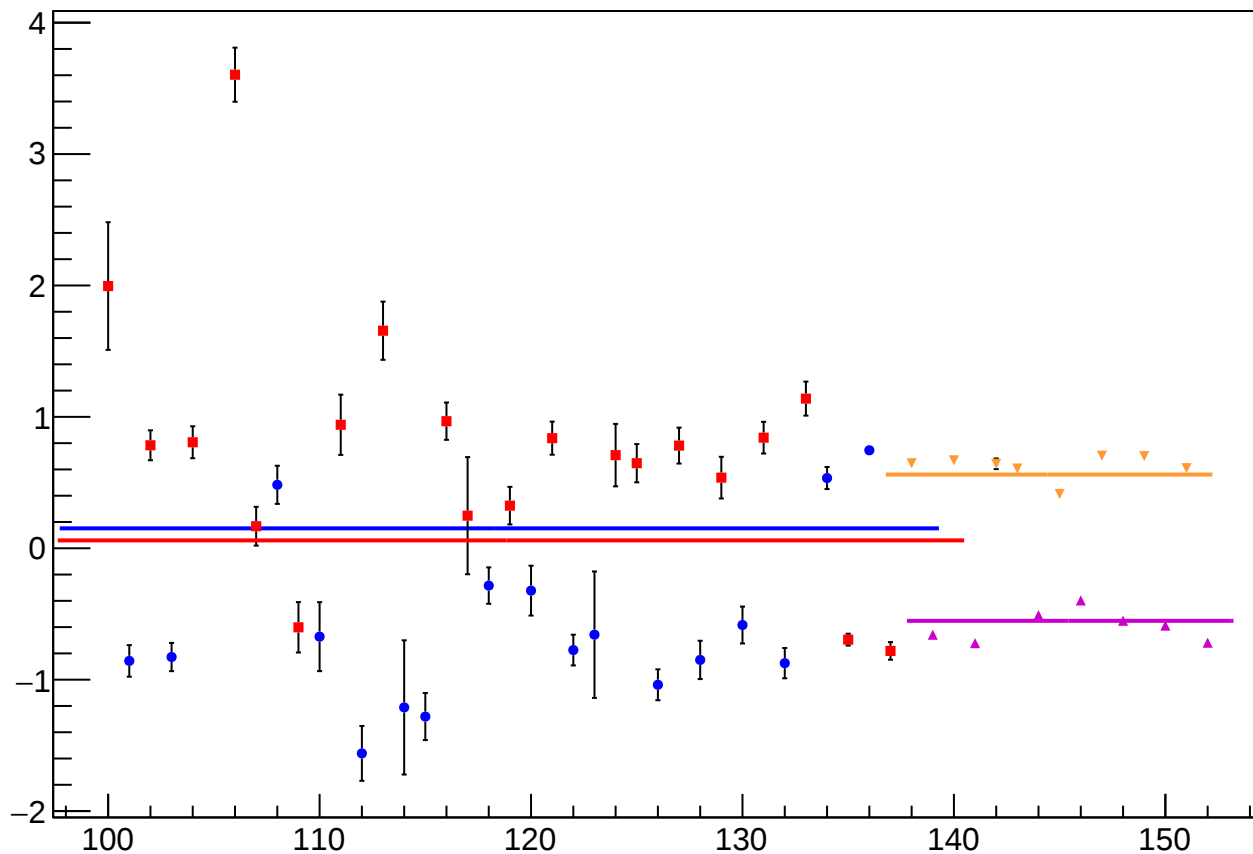
Left In: 28.442 ± 0.179 χ^2/NDF : 2443.0/6

-38.409 ± 0.176 χ^2/NDF : 8813.1/24

-1.103 ± 0.122 χ^2/NDF : 103361.1/51

32.824 ± 0.168 χ^2/NDF : 8961.7/26

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.152+/-0.024 χ^2/NDF : 987.4/16

Left Out: 0.561+/-0.009 χ^2/NDF : 162.7/7

Right Out: 0.060+/-0.026 χ^2/NDF : 1162.1/19

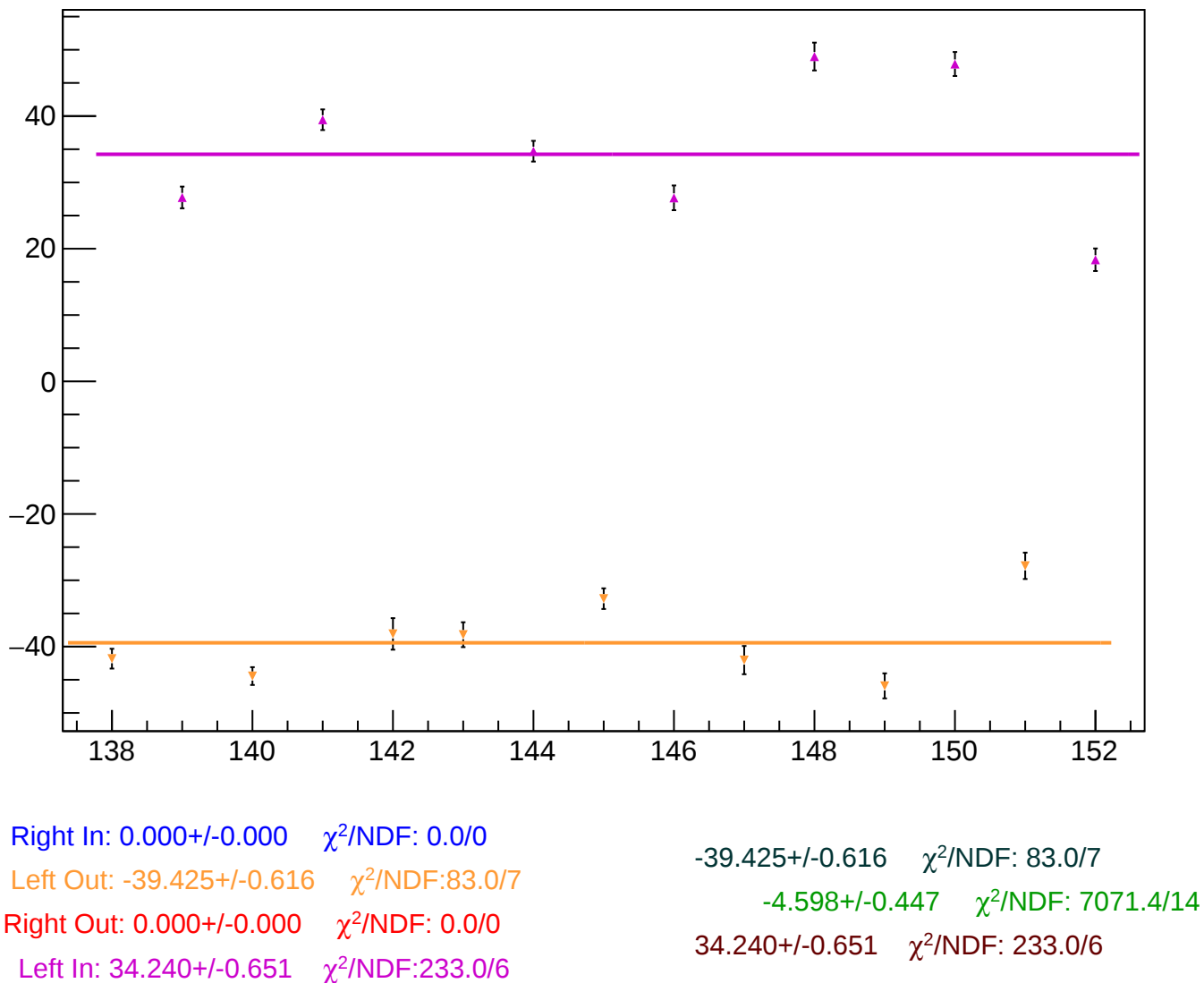
Left In: -0.552+/-0.009 χ^2/NDF : 169.2/6

0.506+/-0.009 χ^2/NDF : 1401.1/24

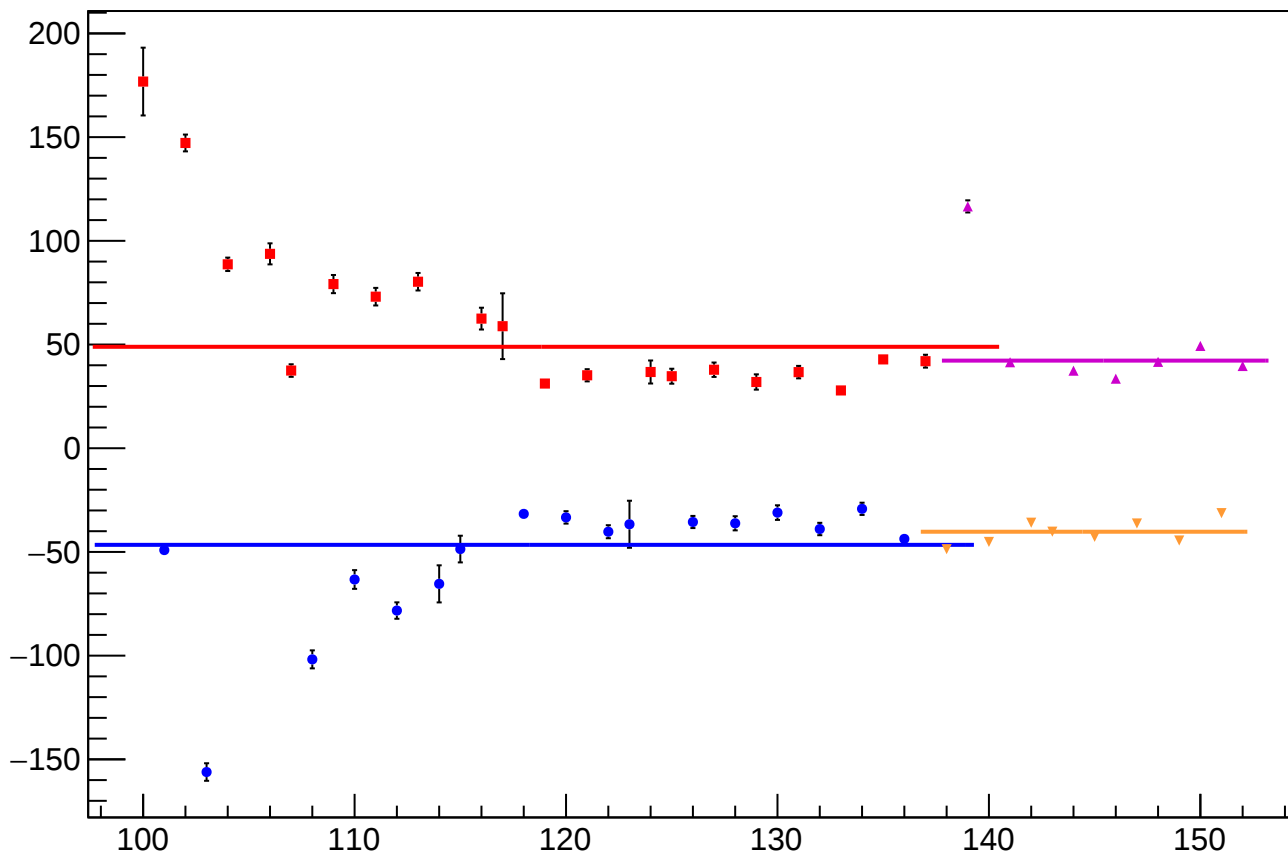
0.002+/-0.006 χ^2/NDF : 9631.7/51

-0.485+/-0.009 χ^2/NDF : 1815.7/26

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -46.579 ± 0.730 χ^2/NDF : 1076.4/16

Left Out: -40.256 ± 0.433 χ^2/NDF : 150.2/7

Right Out: 48.911 ± 0.763 χ^2/NDF : 1277.9/19

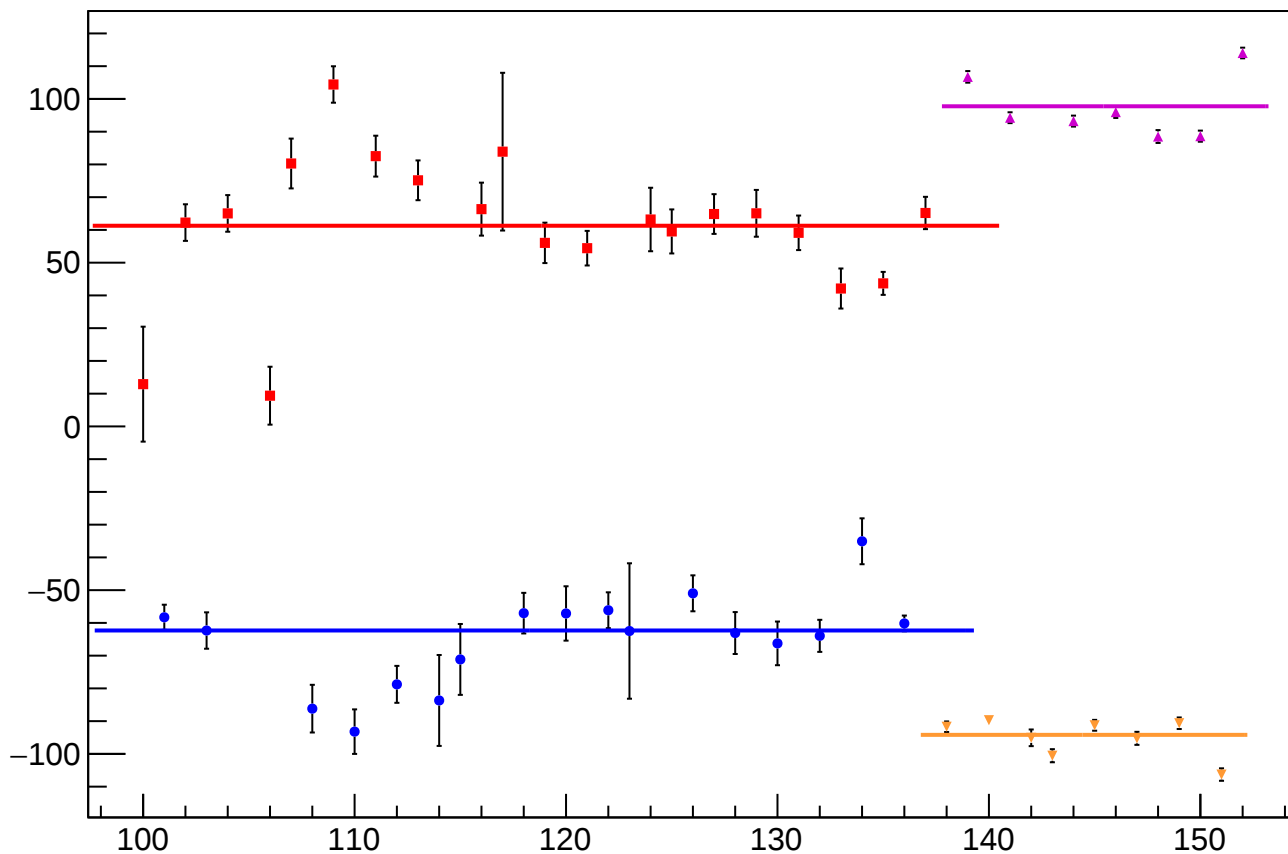
Left In: 42.247 ± 0.460 χ^2/NDF : 759.8/6

-41.902 ± 0.372 χ^2/NDF : 1282.2/24

-1.329 ± 0.271 χ^2/NDF : 28518.8/51

44.023 ± 0.394 χ^2/NDF : 2093.7/26

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.315 ± 1.316 $\chi^2/\text{NDF}: 67.1/16$

Left Out: -94.186 ± 0.634 $\chi^2/\text{NDF}: 70.5/7$

Right Out: 61.277 ± 1.379 $\chi^2/\text{NDF}: 165.9/19$

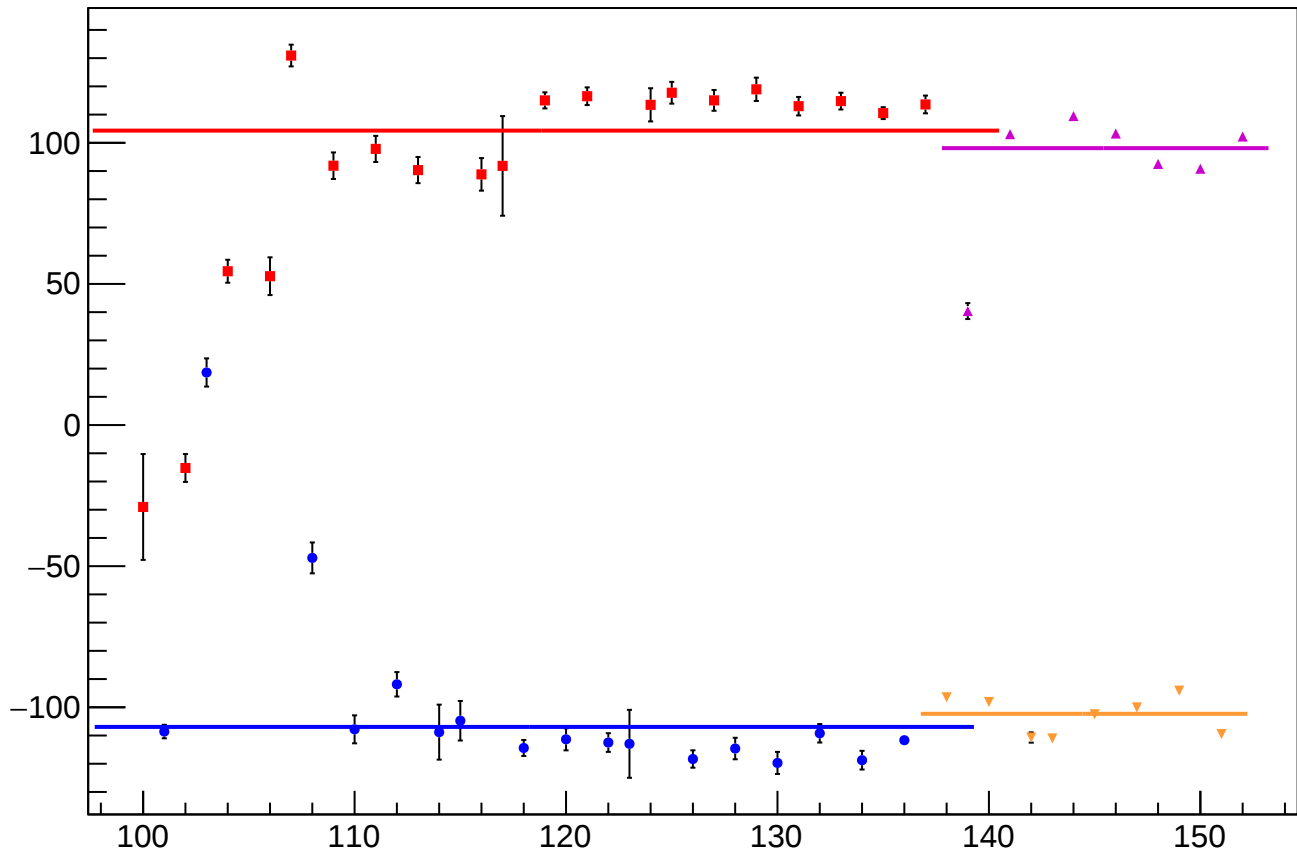
Left In: 97.755 ± 0.654 $\chi^2/\text{NDF}: 189.6/6$

-88.187 ± 0.571 $\chi^2/\text{NDF}: 614.0/24$

-1.648 ± 0.410 $\chi^2/\text{NDF}: 49150.6/51$

91.057 ± 0.591 $\chi^2/\text{NDF}: 927.0/26$

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

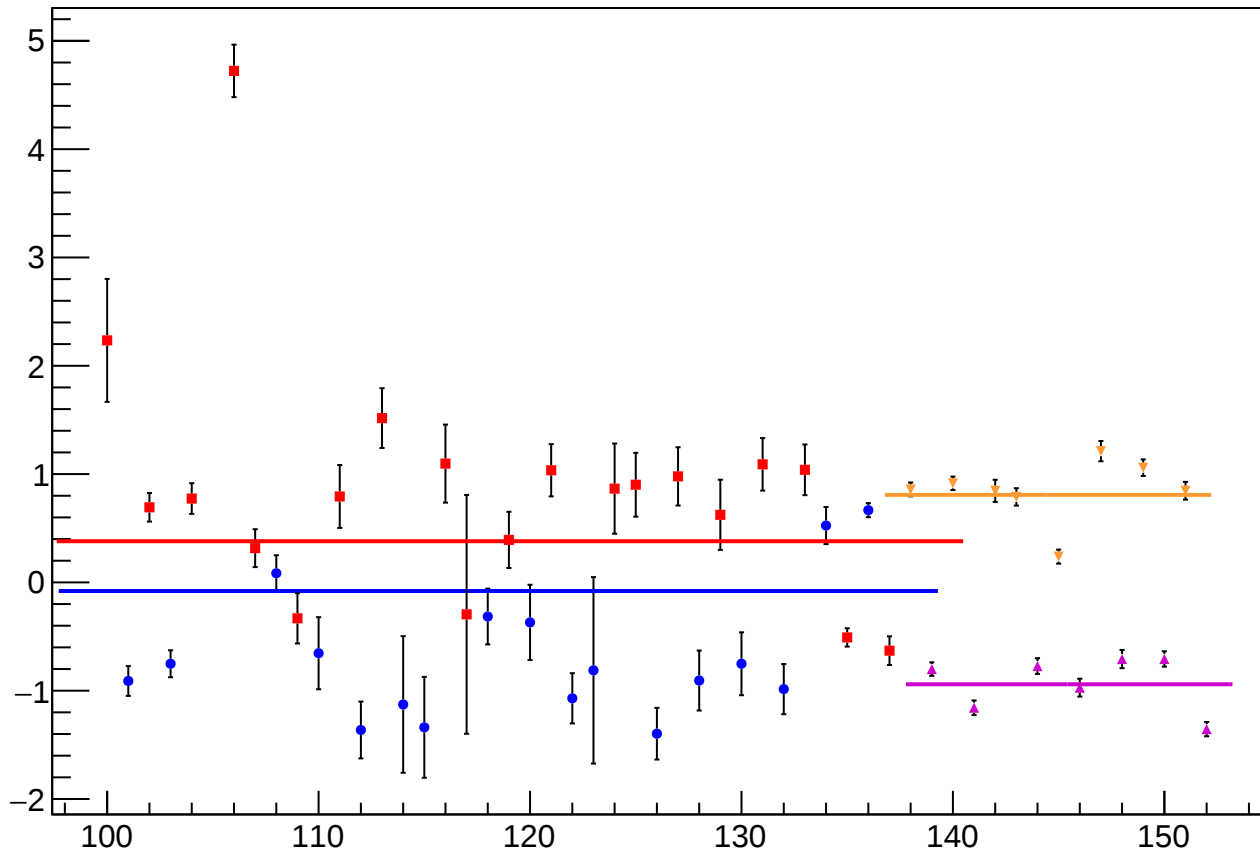
Left In: 98.109 ± 0.562 χ^2/NDF : 568.8/6

-103.694 ± 0.446 χ^2/NDF : 981.3/24

-7.186 ± 0.324 χ^2/NDF : 101289.1/51

99.967 ± 0.470 χ^2/NDF : 1626.9/26

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

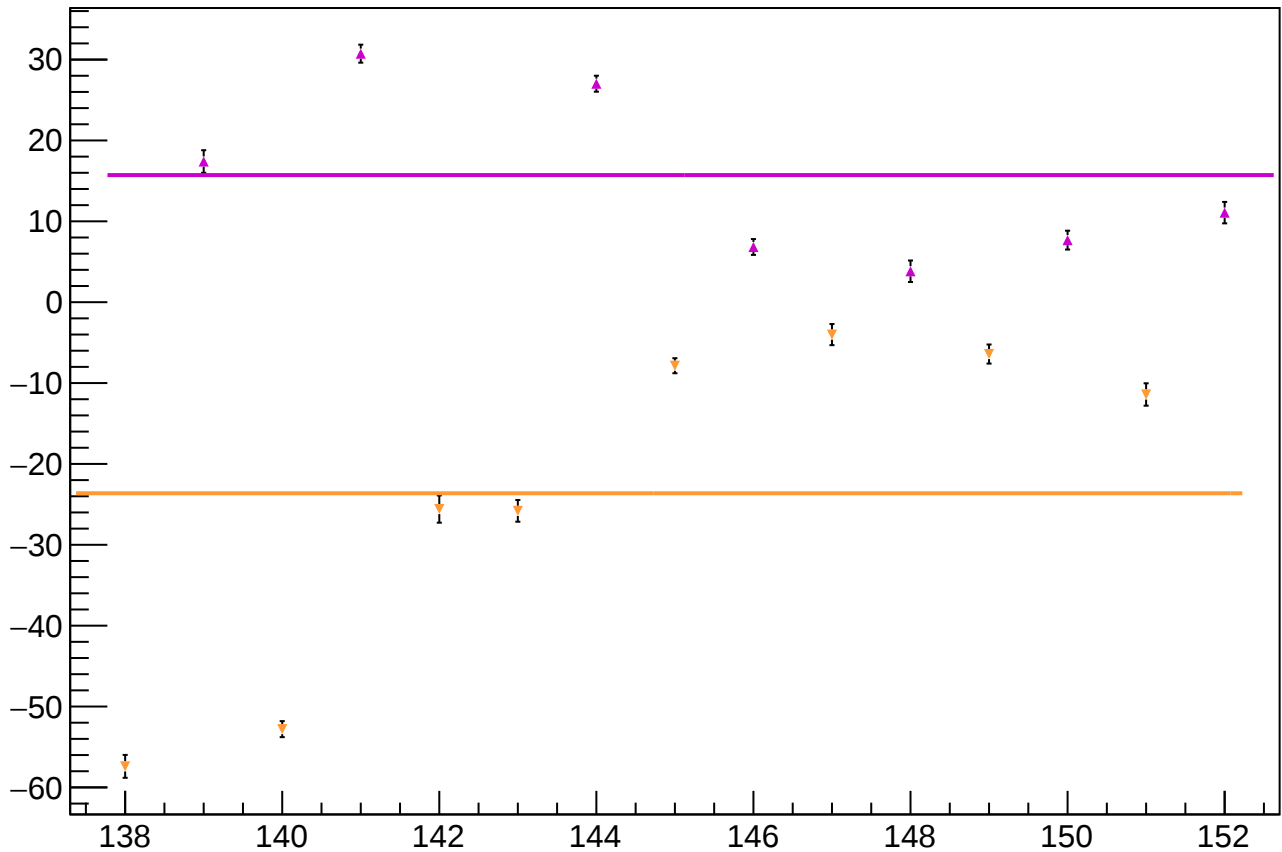
Left In: -0.941 ± 0.027 χ^2/NDF : 78.8/6

0.558 ± 0.022 χ^2/NDF : 755.7/24

0.000 ± 0.016 χ^2/NDF : 3333.8/51

-0.582 ± 0.023 χ^2/NDF : 1316.7/26

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

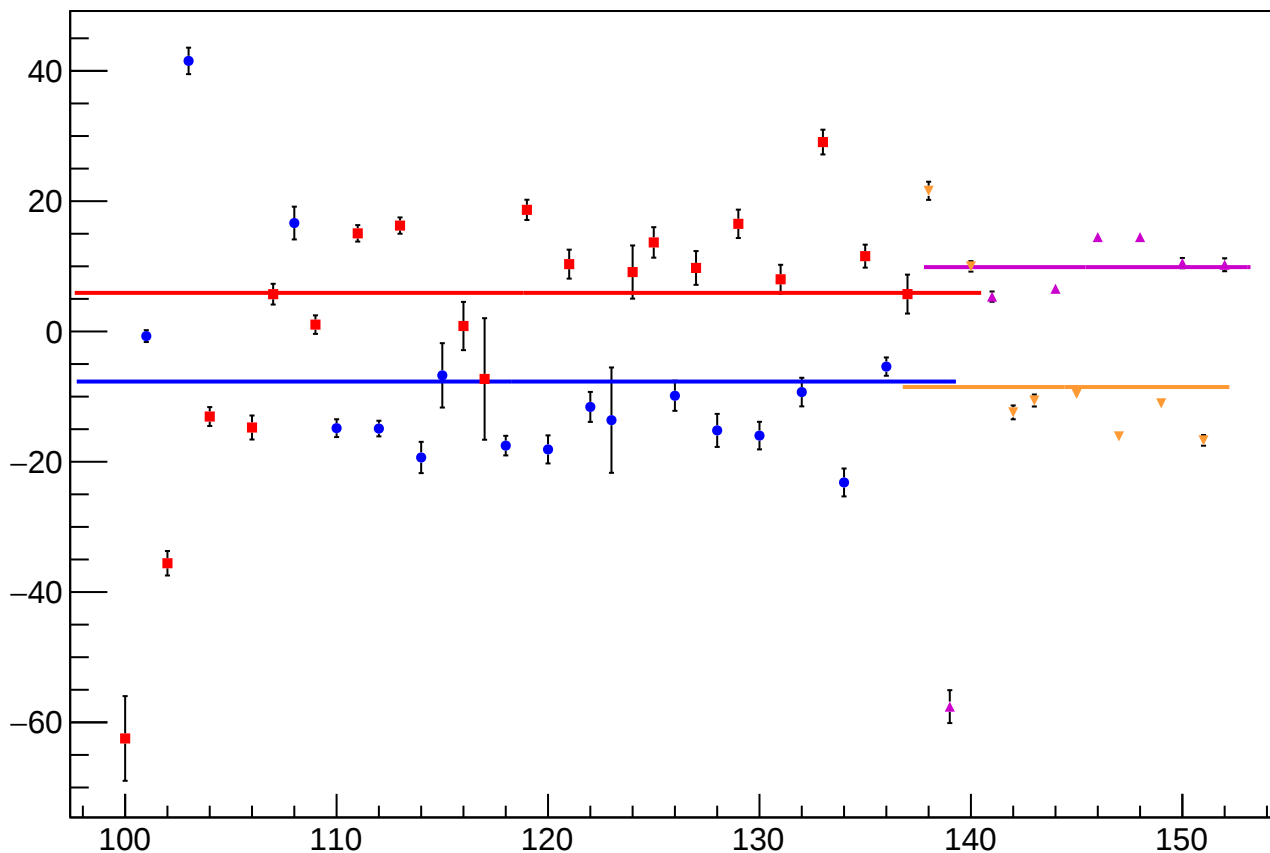
Left In: 15.718+/-0.436 χ^2/NDF :536.1/6

-23.628+/-0.430 χ^2/NDF : 2246.1/7

-4.247+/-0.306 χ^2/NDF : 6908.6/14

15.718+/-0.436 χ^2/NDF : 536.1/6

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

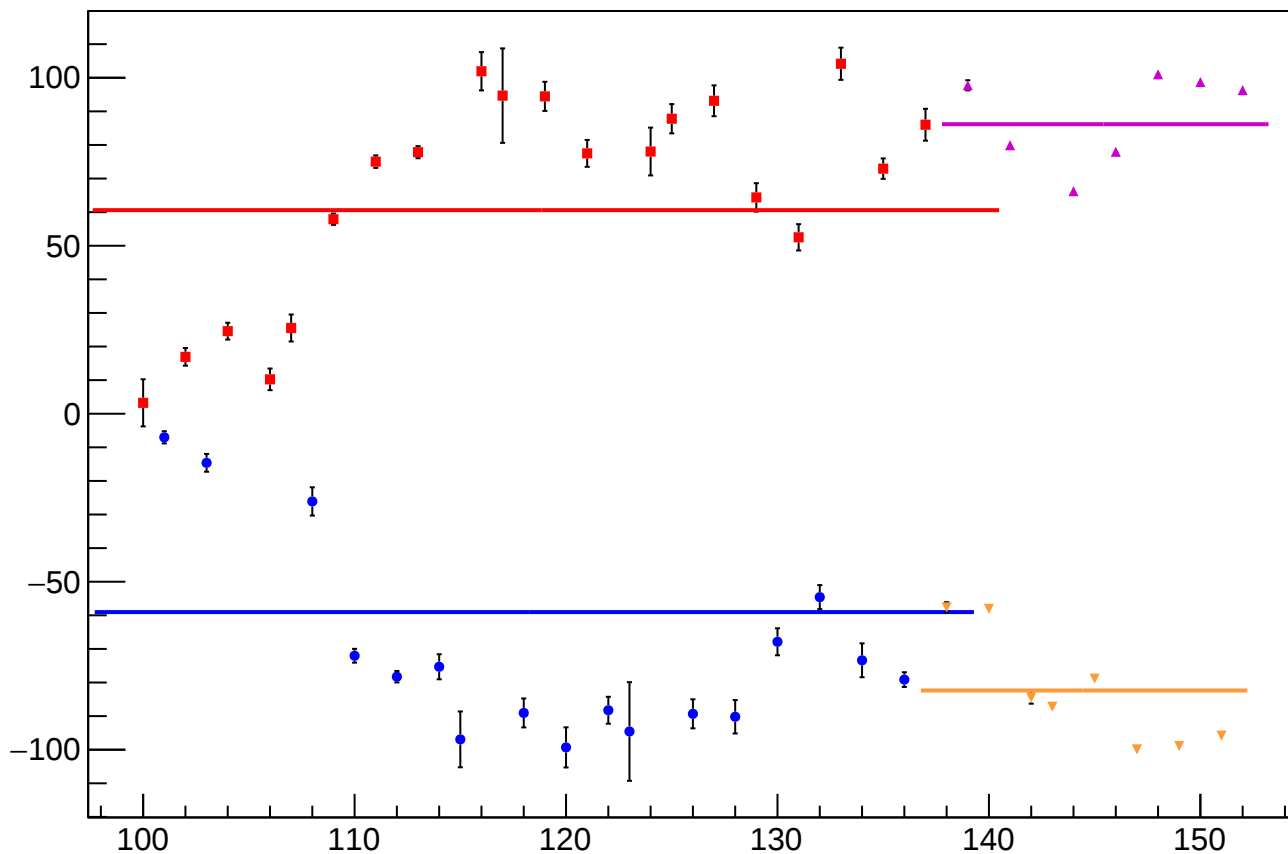
Left In: 9.879+/-0.296 χ^2/NDF : 875.1/6

-8.259+/-0.242 χ^2/NDF : 2250.3/24

0.116+/-0.172 χ^2/NDF : 6890.8/51

8.599+/-0.244 χ^2/NDF : 2232.8/26

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

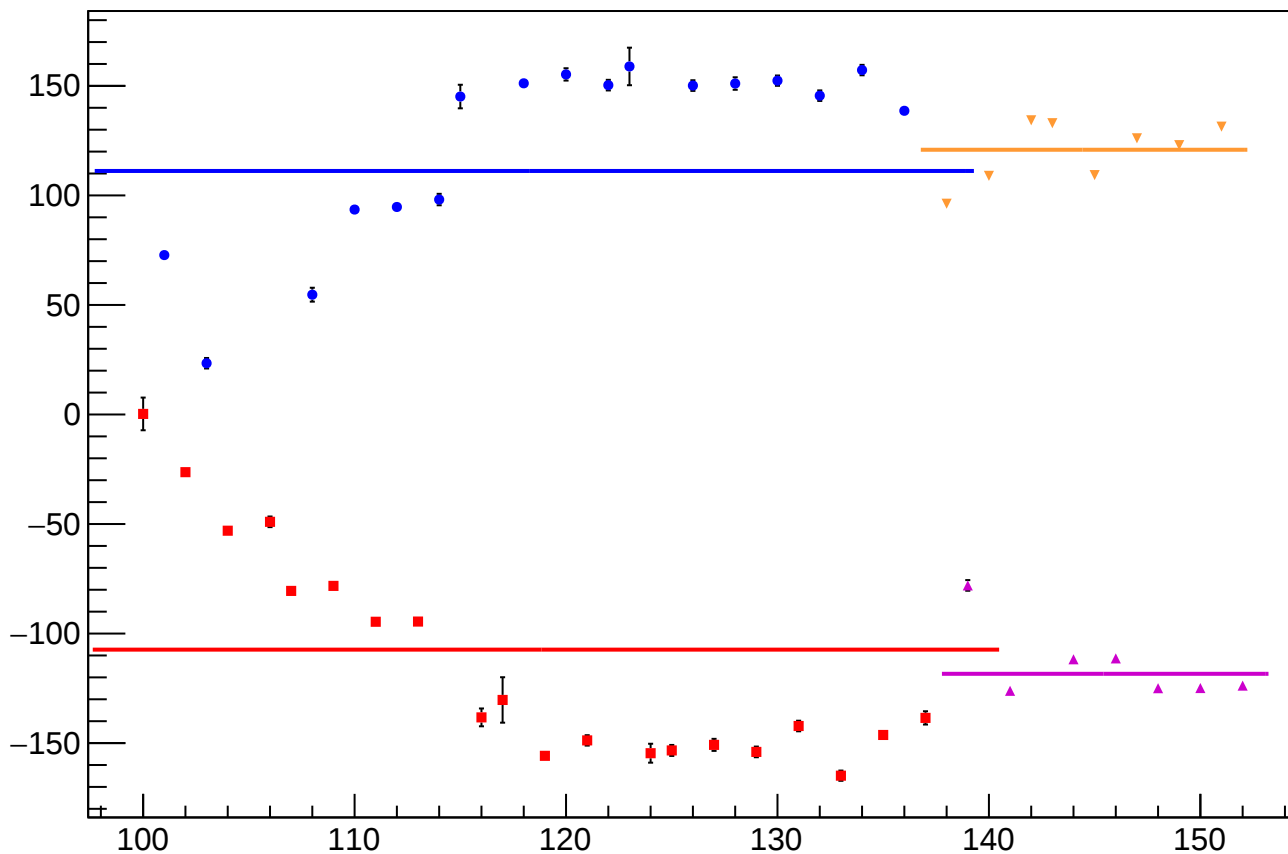
Left In: 86.177+/-0.435 χ^2/NDF :854.4/6

-76.399+/-0.378 χ^2/NDF : 3789.8/24

2.872+/-0.264 χ^2/NDF : 93471.2/51

79.093+/-0.370 χ^2/NDF : 3201.4/26

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

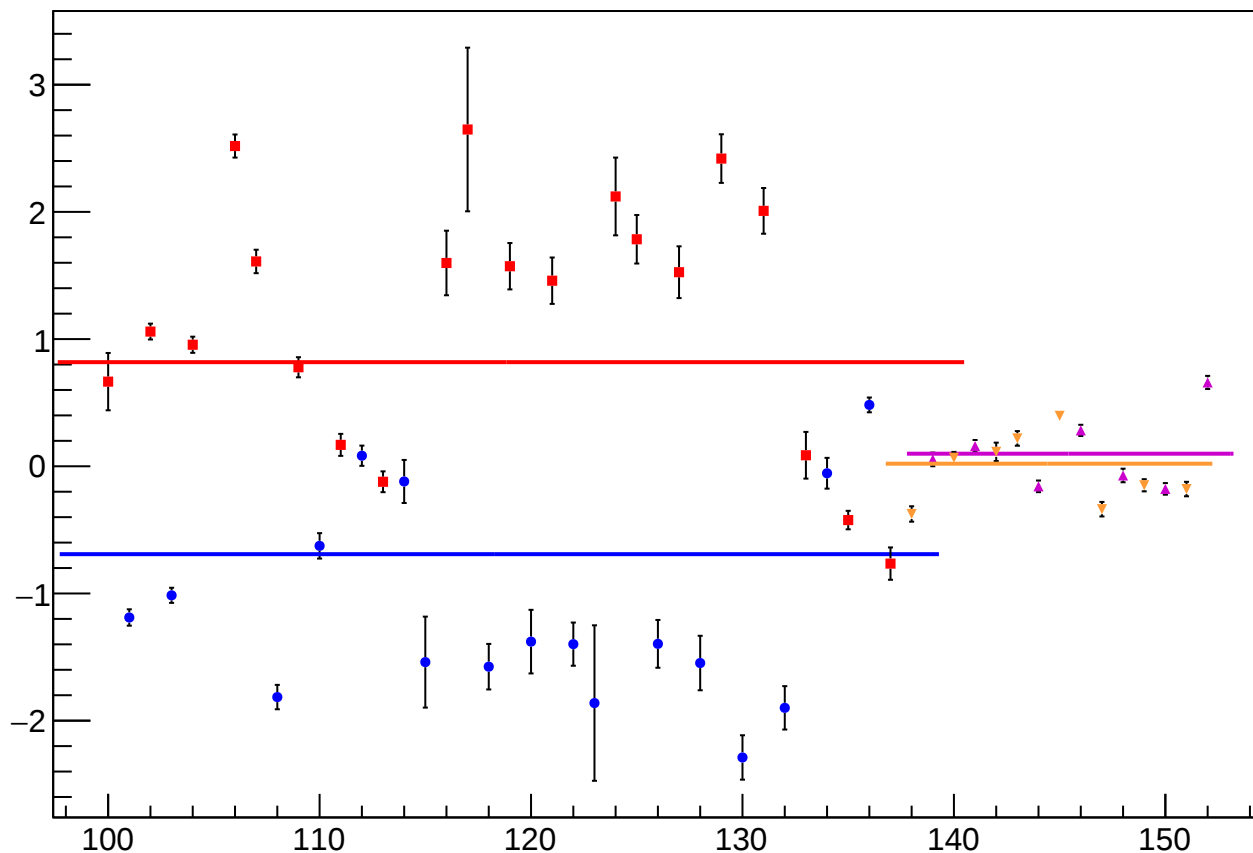
Left In: -118.369 $\pm$ 0.364 χ^2/NDF : 611.8/6

117.414 $\pm$ 0.291 χ^2/NDF : 7061.7/24

1.812 $\pm$ 0.206 χ^2/NDF : 331498.3/51

-114.410 $\pm$ 0.292 χ^2/NDF : 8000.9/26

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

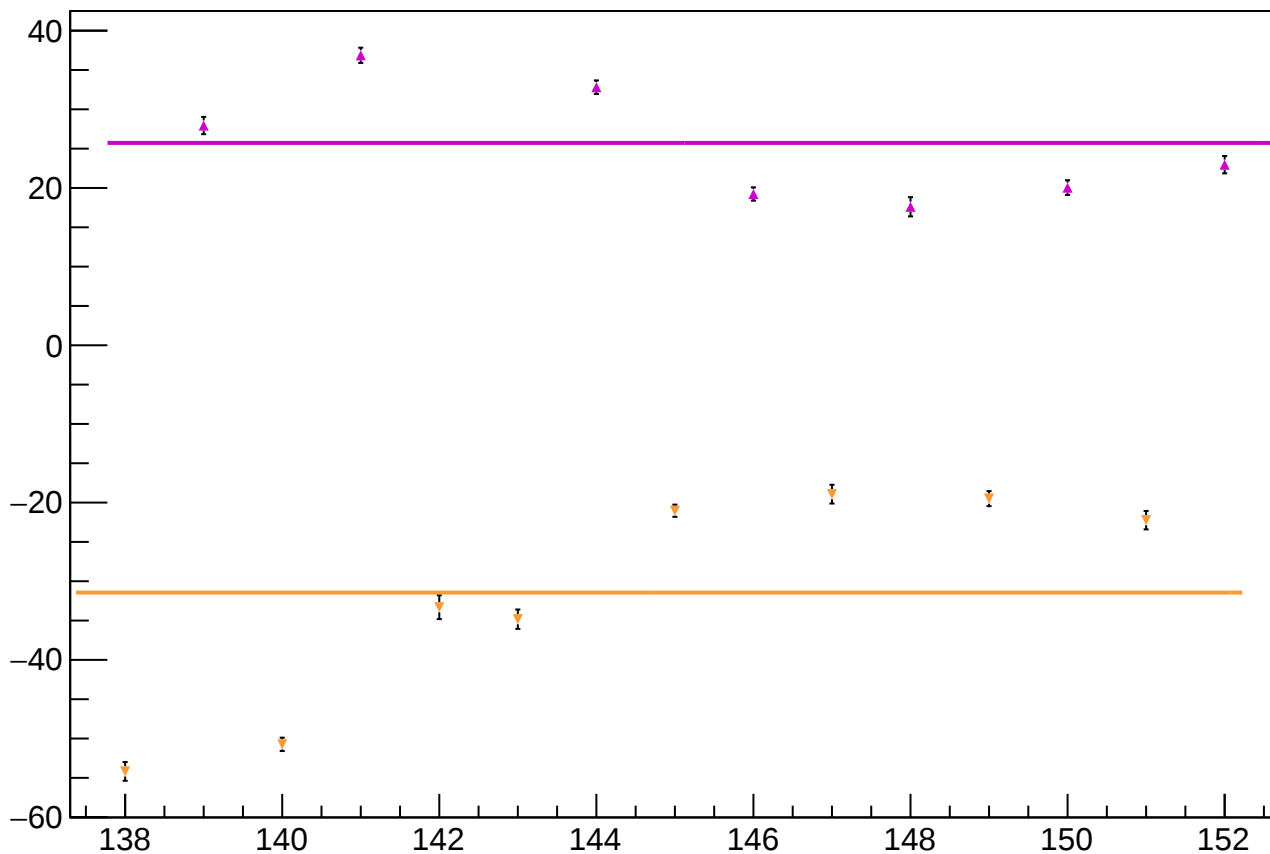
Left In: 0.099 ± 0.018 χ^2/NDF : 215.7/6

-0.219 ± 0.015 χ^2/NDF : 1711.0/24

0.077 ± 0.010 χ^2/NDF : 4558.5/51

0.359 ± 0.015 χ^2/NDF : 2086.1/26

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

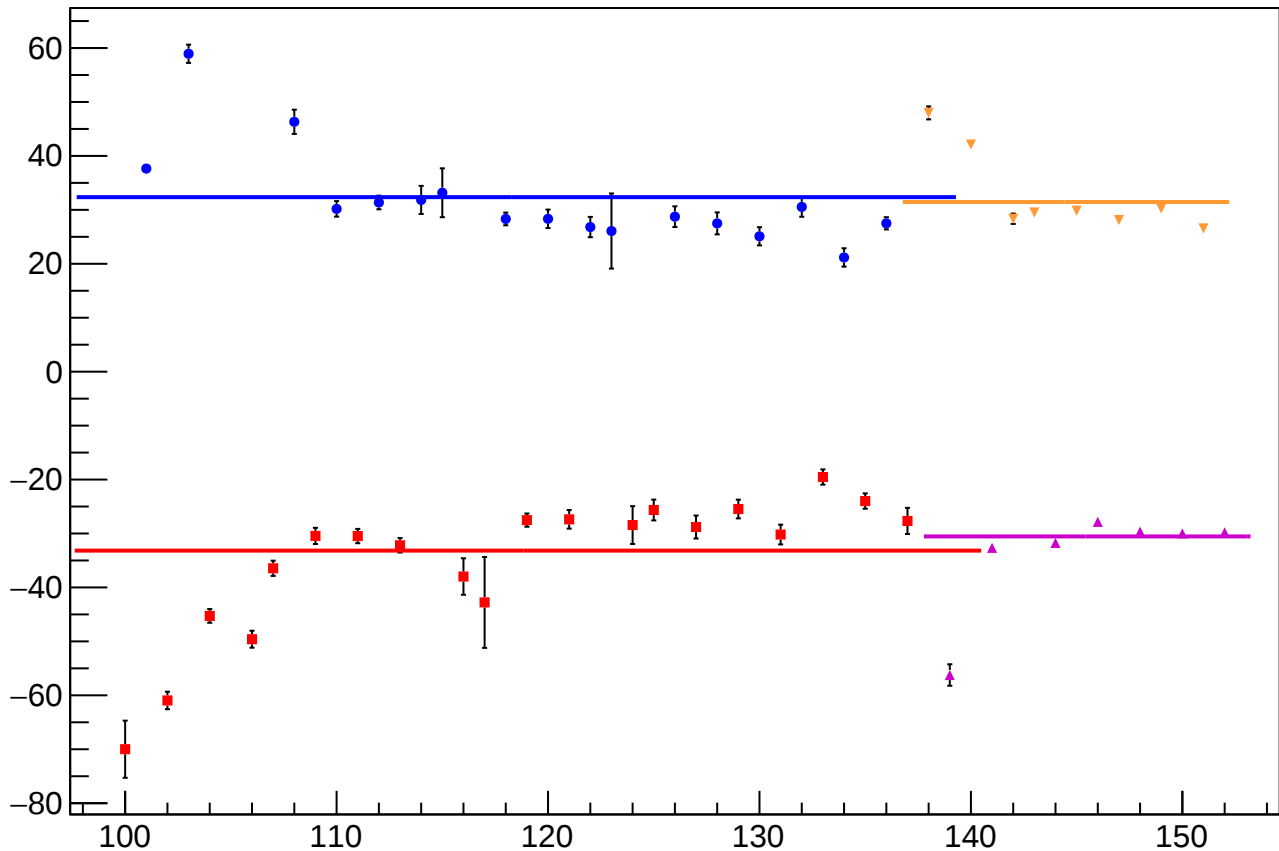
Left In: 25.731+/-0.371 χ^2/NDF :349.3/6

-31.439+/-0.369 χ^2/NDF : 1393.8/7

-3.047+/-0.262 χ^2/NDF : 13684.4/14

25.731+/-0.371 χ^2/NDF : 349.3/6

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 32.355 ± 0.375 χ^2/NDF : 450.5/16

Left Out: 31.455 ± 0.255 χ^2/NDF : 530.3/7

Right Out: -33.172 ± 0.378 χ^2/NDF : 773.3/19

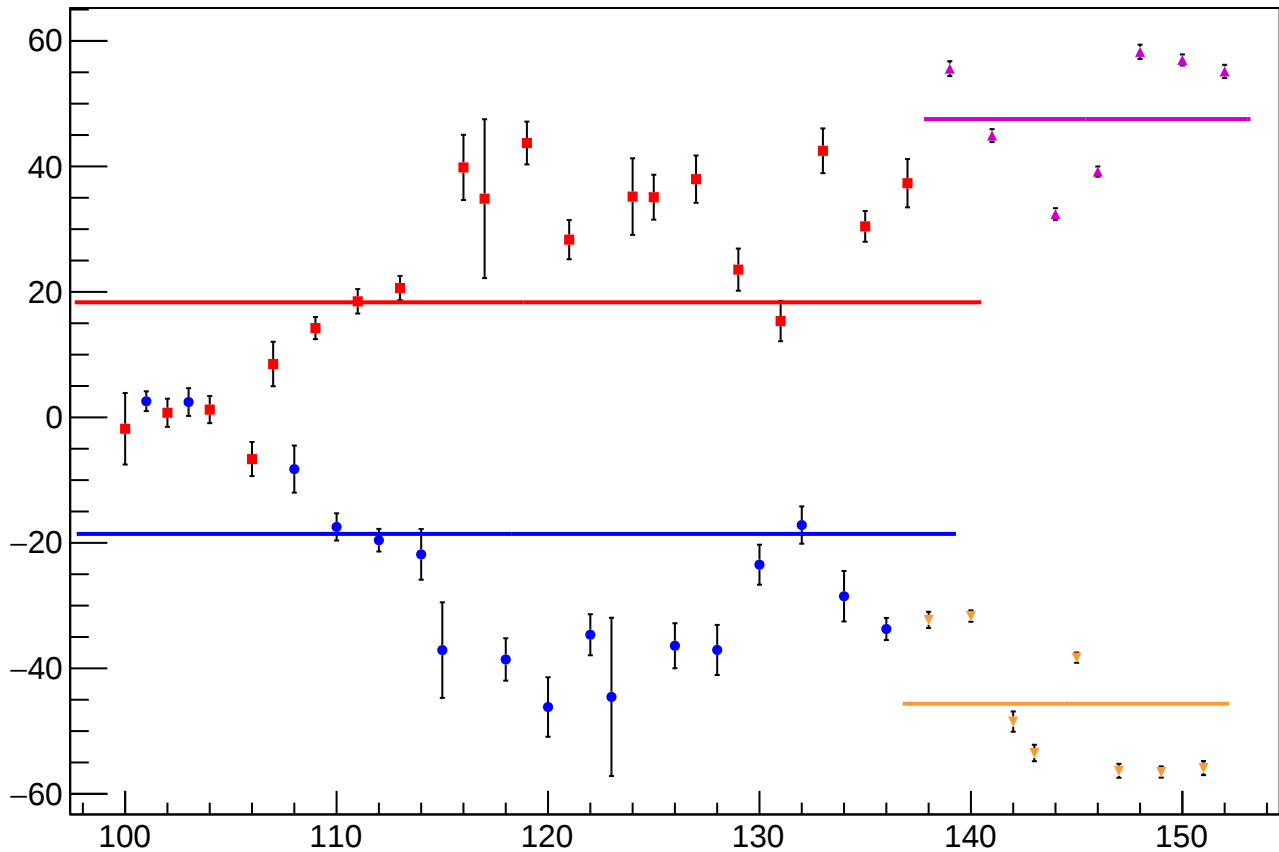
Left In: -30.544 ± 0.258 χ^2/NDF : 207.4/6

31.740 ± 0.211 χ^2/NDF : 984.8/24

0.516 ± 0.150 χ^2/NDF : 46224.8/51

-31.379 ± 0.213 χ^2/NDF : 1013.5/26

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

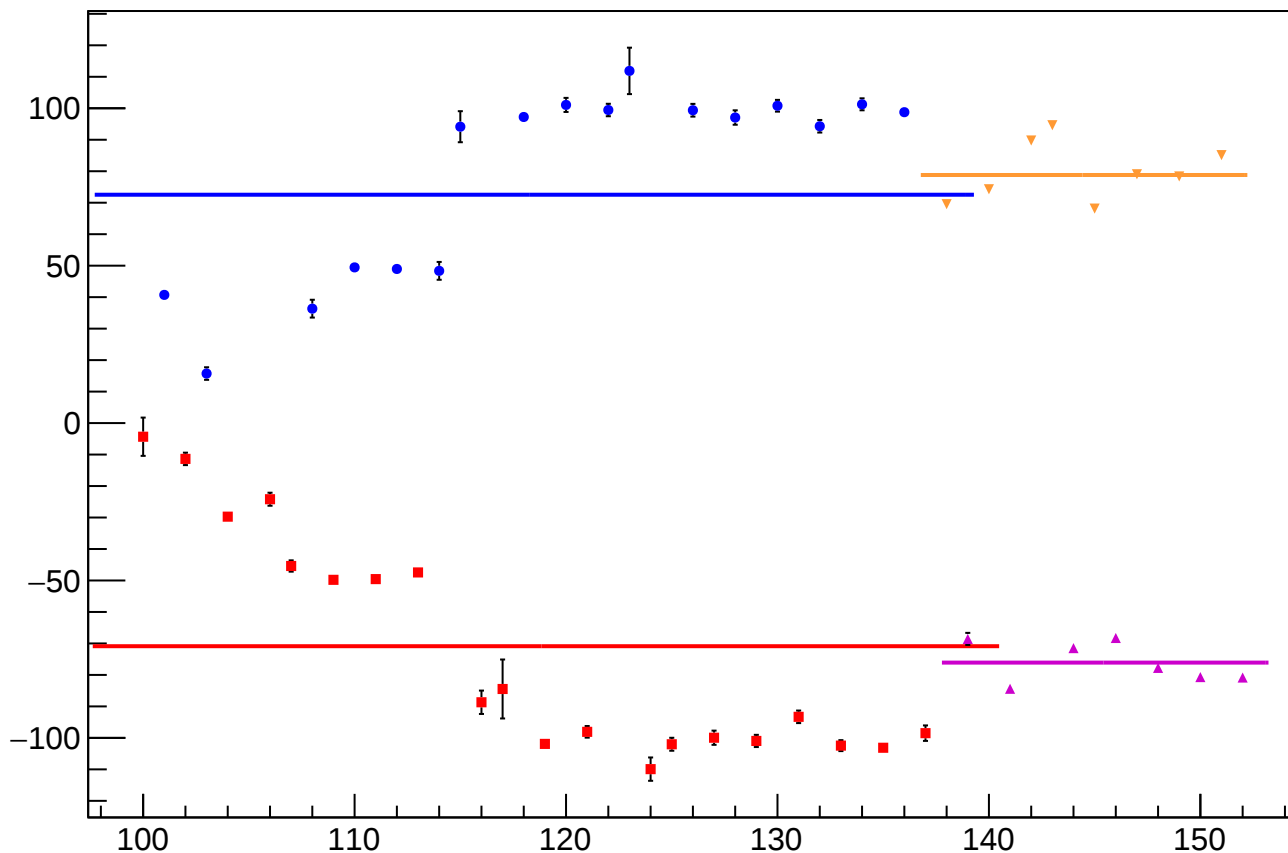
Left In: 47.547 ± 0.370 χ^2/NDF : 681.0/6

-39.147 ± 0.327 χ^2/NDF : 2548.7/24

1.284 ± 0.229 χ^2/NDF : 35296.5/51

40.268 ± 0.321 χ^2/NDF : 2704.8/26

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

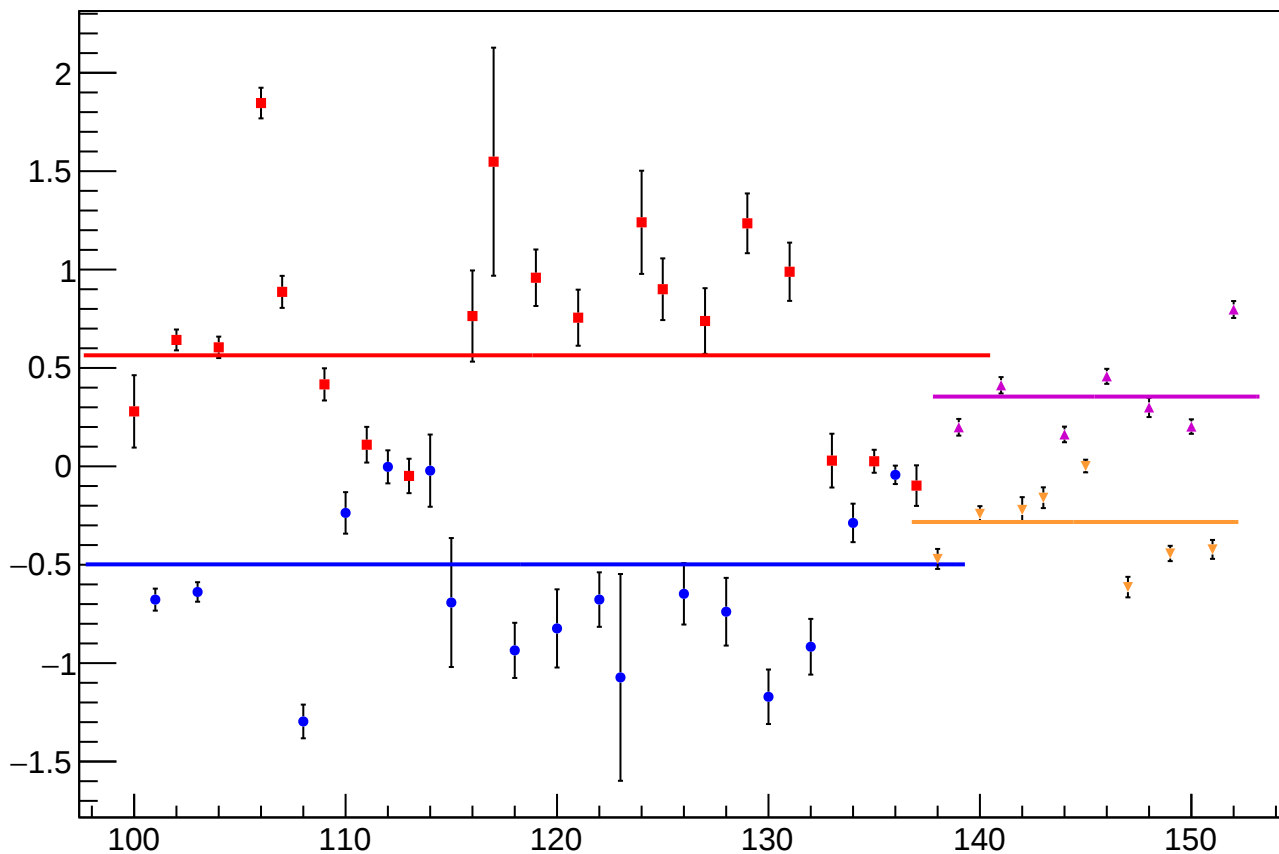
Left In: -76.086+/-0.315 χ^2/NDF : 355.2/6

76.617+/-0.253 χ^2/NDF : 5486.1/24

1.599+/-0.179 χ^2/NDF : 188247.6/51

-74.285+/-0.254 χ^2/NDF : 5952.3/26

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

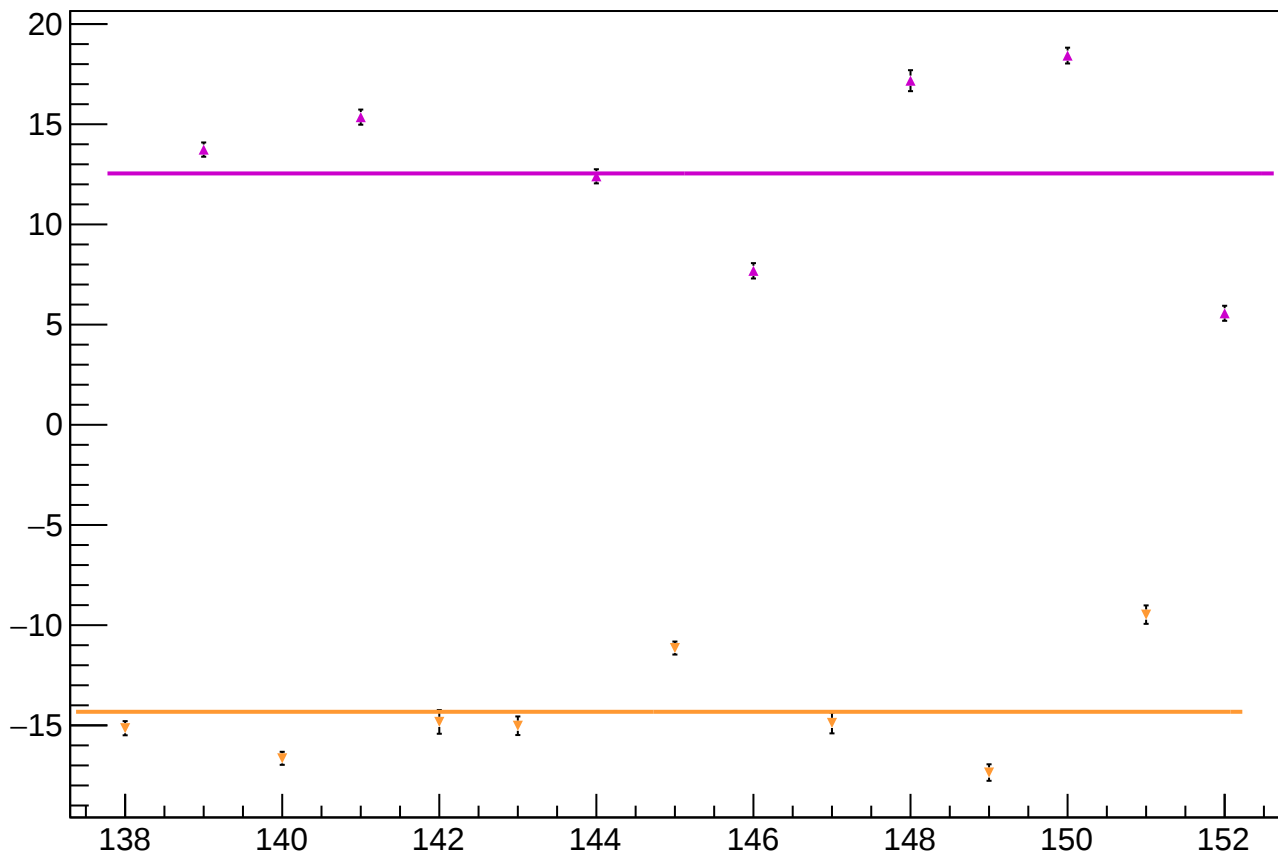
Left In: 0.354 ± 0.016 χ^2/NDF : 171.0/6

-0.354 ± 0.013 χ^2/NDF : 529.9/24

0.045 ± 0.009 χ^2/NDF : 3215.3/51

0.427 ± 0.013 χ^2/NDF : 797.6/26

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

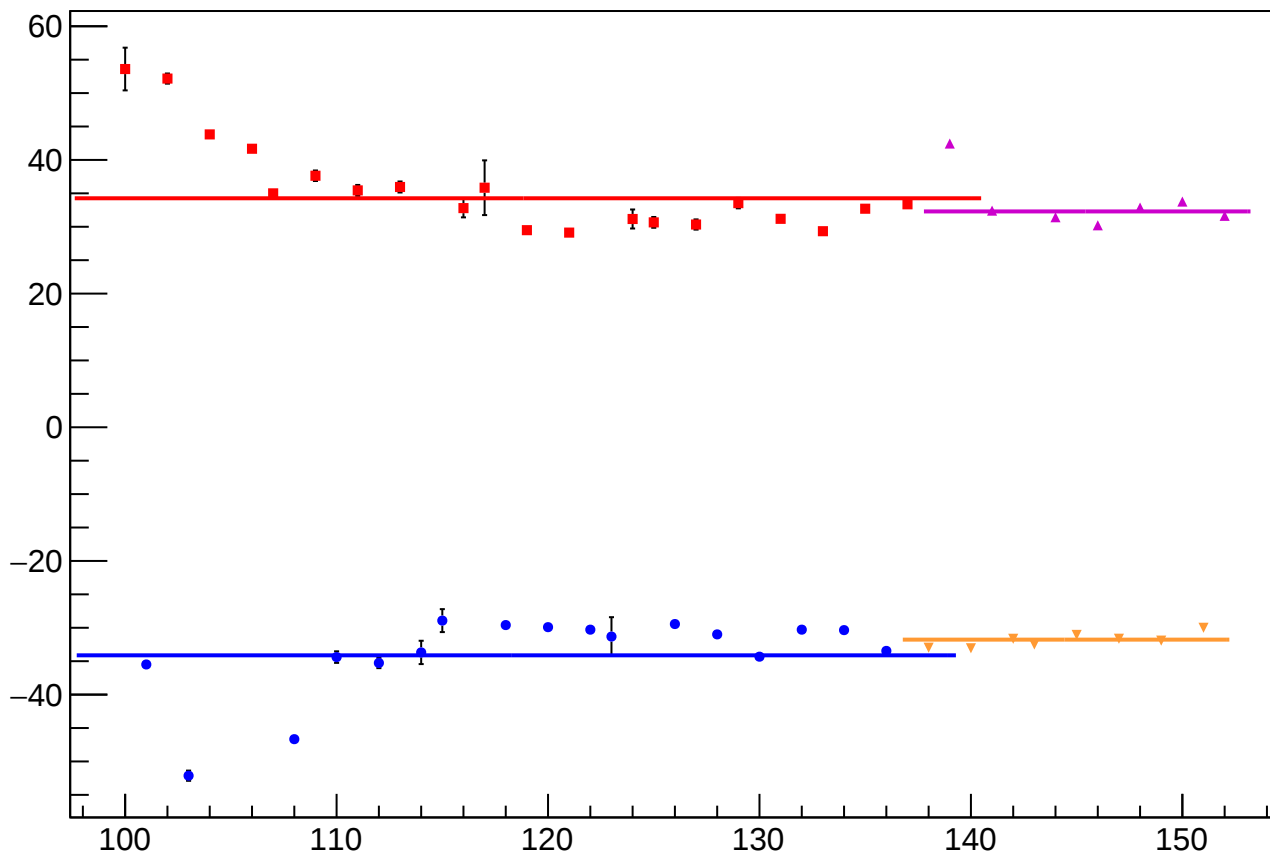
Left In: 12.545+/-0.146 χ^2/NDF : 873.4/6

-14.323+/-0.143 χ^2/NDF : 321.7/7

-1.147+/-0.102 χ^2/NDF : 18446.1/14

12.545+/-0.146 χ^2/NDF : 873.4/6

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.122 ± 0.152 χ^2/NDF : 1322.4/16

Left Out: -31.774 ± 0.102 χ^2/NDF : 88.9/7

Right Out: 34.262 ± 0.151 χ^2/NDF : 1355.1/19

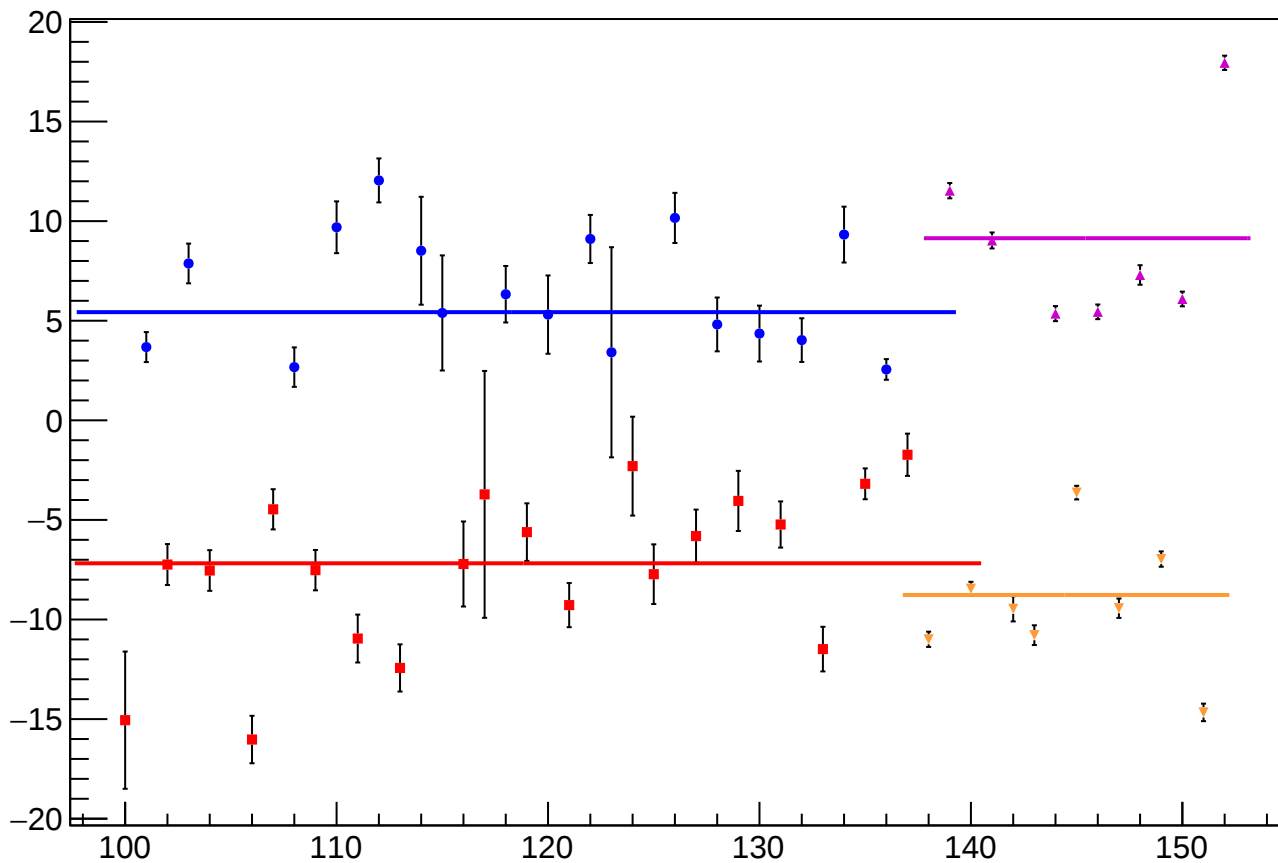
Left In: 32.294 ± 0.106 χ^2/NDF : 375.6/6

-32.506 ± 0.085 χ^2/NDF : 1575.9/24

-0.425 ± 0.061 χ^2/NDF : 295438.5/51

32.942 ± 0.086 χ^2/NDF : 1845.0/26

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

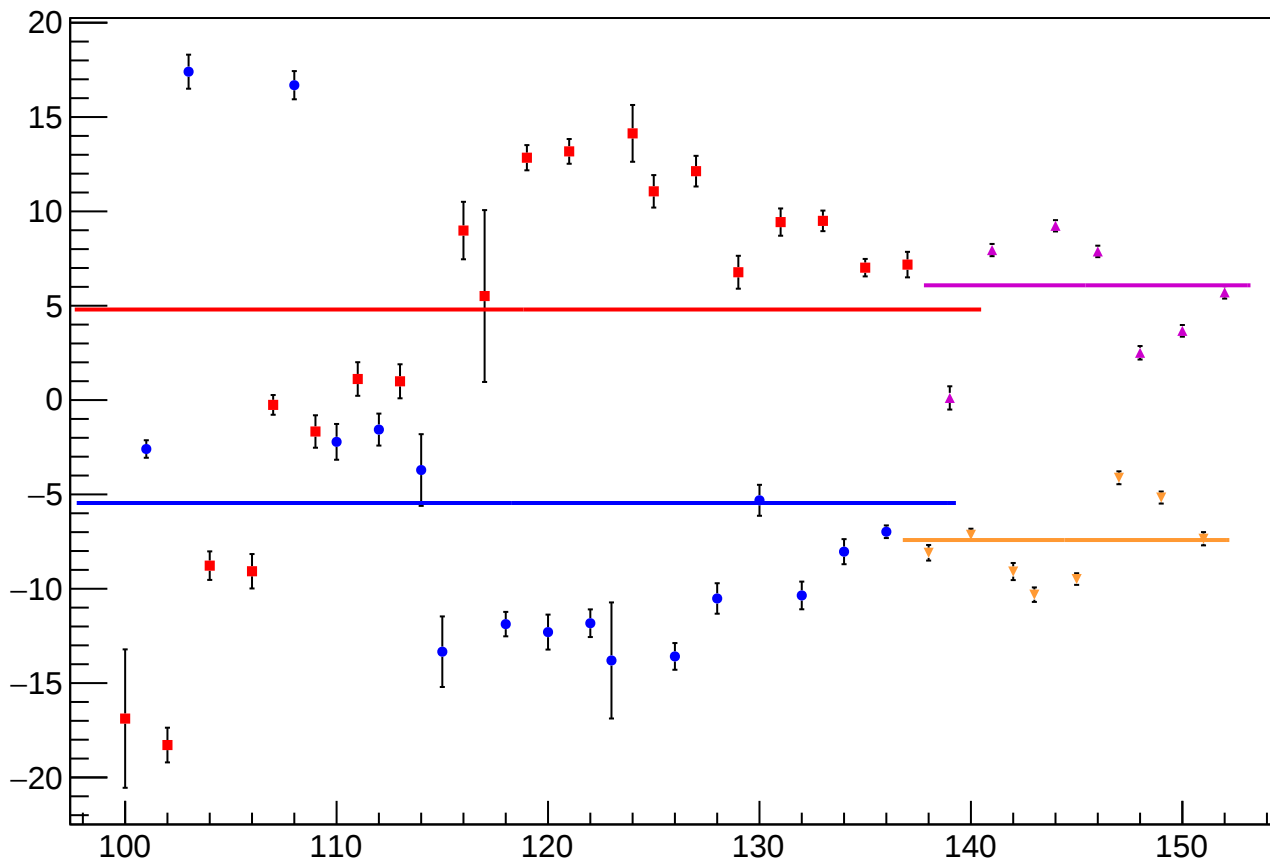
Left In: 9.142 ± 0.147 χ^2/NDF : 923.4/6

-5.530 ± 0.129 χ^2/NDF : 2740.2/24

-0.014 ± 0.091 χ^2/NDF : 10255.7/51

5.514 ± 0.129 χ^2/NDF : 3861.3/26

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

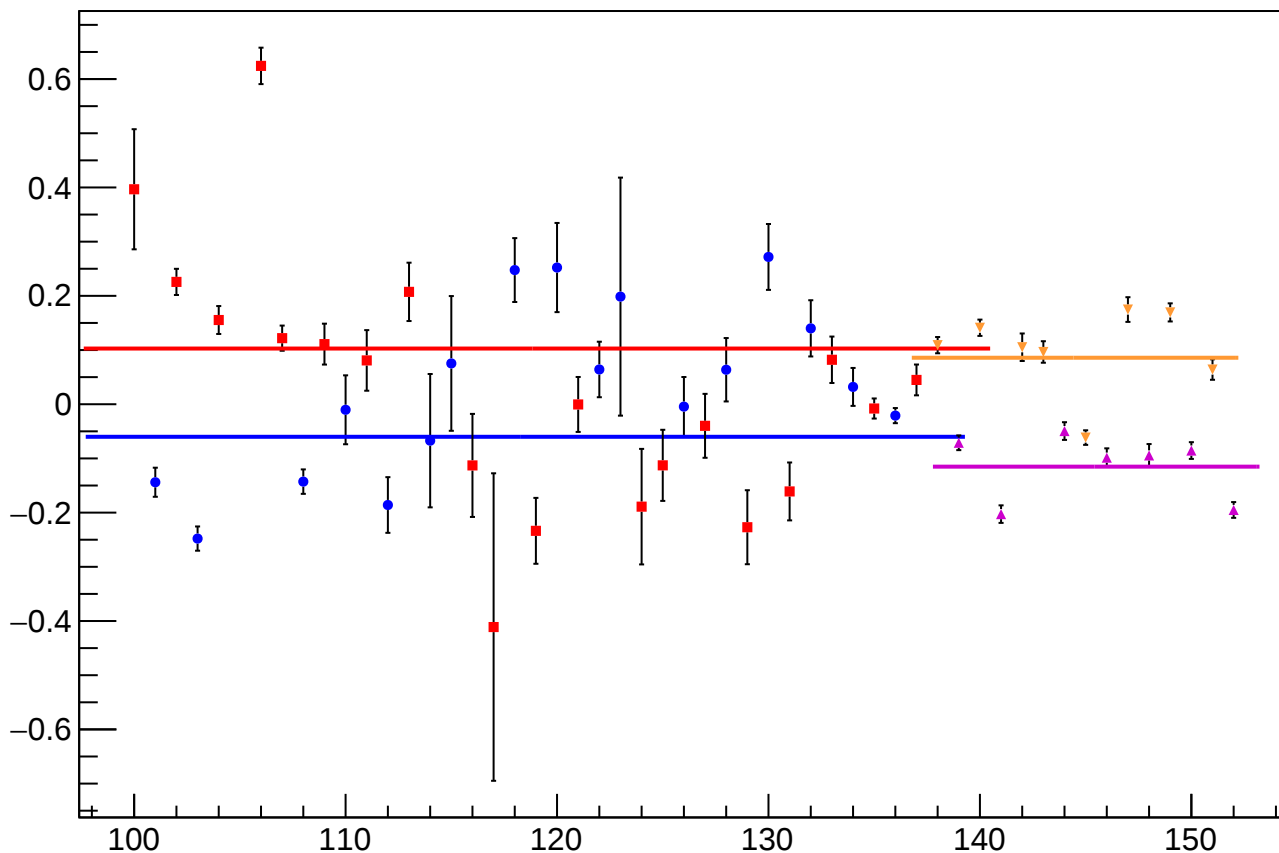
Left In: 6.082+/-0.128 χ^2/NDF : 434.1/6

-6.733+/-0.101 χ^2/NDF : 2443.7/24

-0.662+/-0.072 χ^2/NDF : 12338.0/51

5.629+/-0.103 χ^2/NDF : 2517.2/26

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

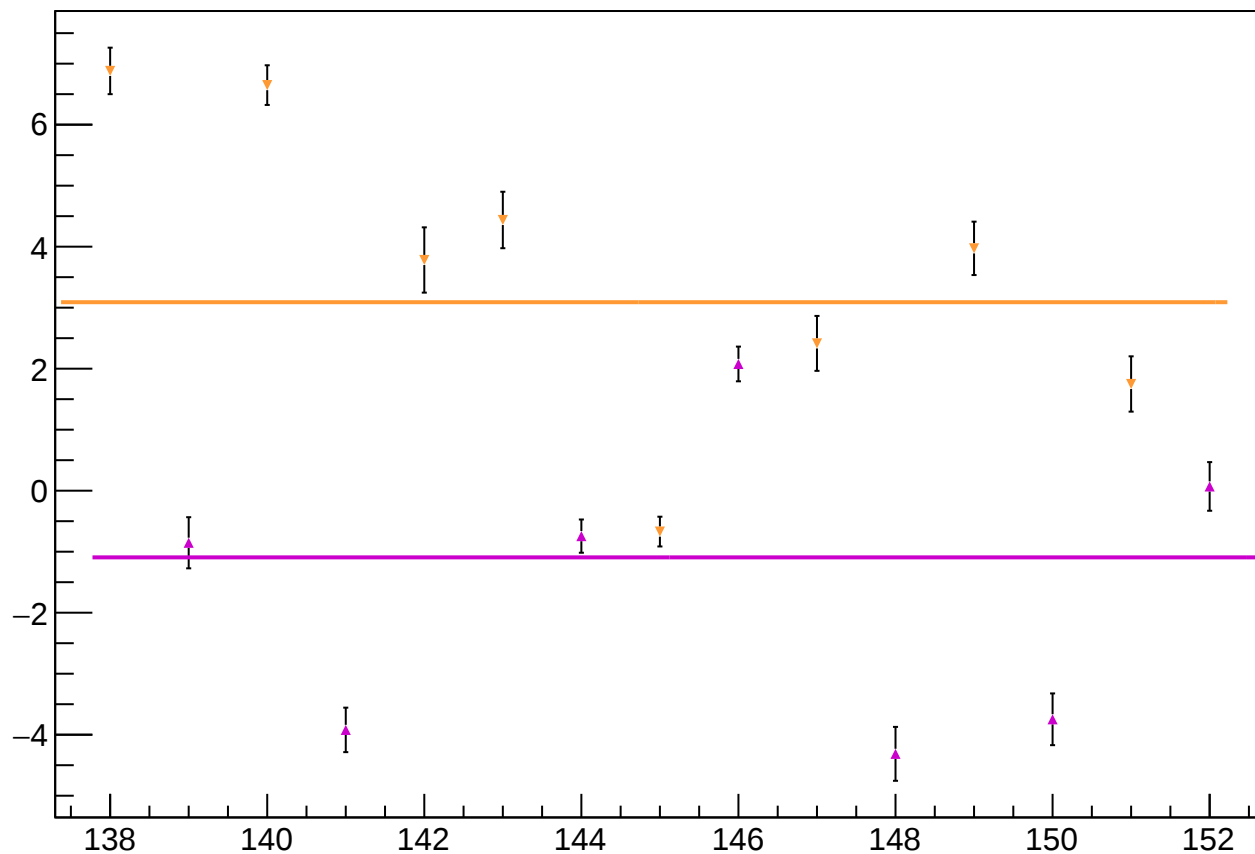
Left In: -0.115 ± 0.006 χ^2/NDF : 91.8/6

0.035 ± 0.005 χ^2/NDF : 591.1/24

-0.003 ± 0.003 χ^2/NDF : 1684.8/51

-0.042 ± 0.005 χ^2/NDF : 971.5/26

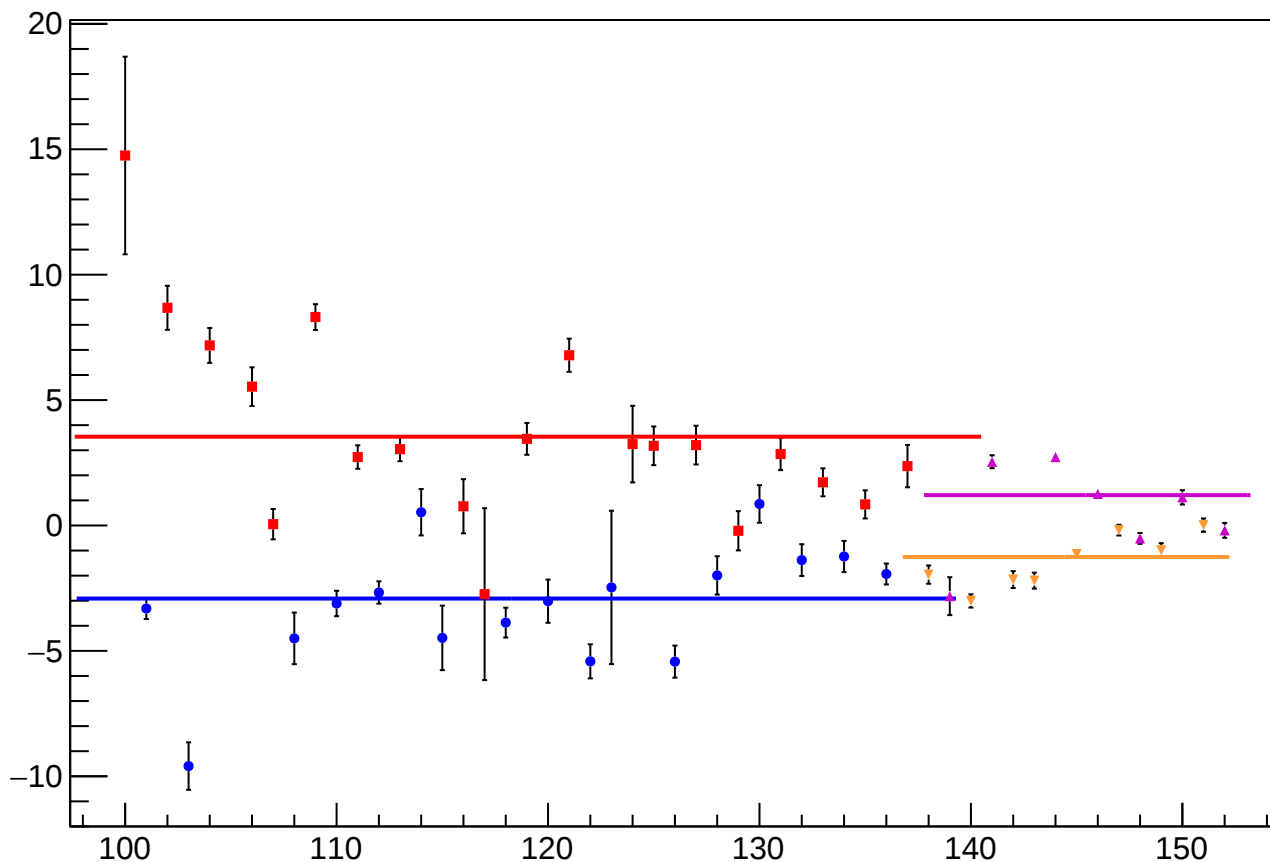
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.090 $\pm$ 0.133 χ^2 /NDF:481.6/7
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -1.093 $\pm$ 0.134 χ^2 /NDF:287.1/6

3.090 $\pm$ 0.133 χ^2 /NDF: 481.6/7
 1.004 $\pm$ 0.094 χ^2 /NDF: 1260.1/14
 -1.093 $\pm$ 0.134 χ^2 /NDF: 287.1/6

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

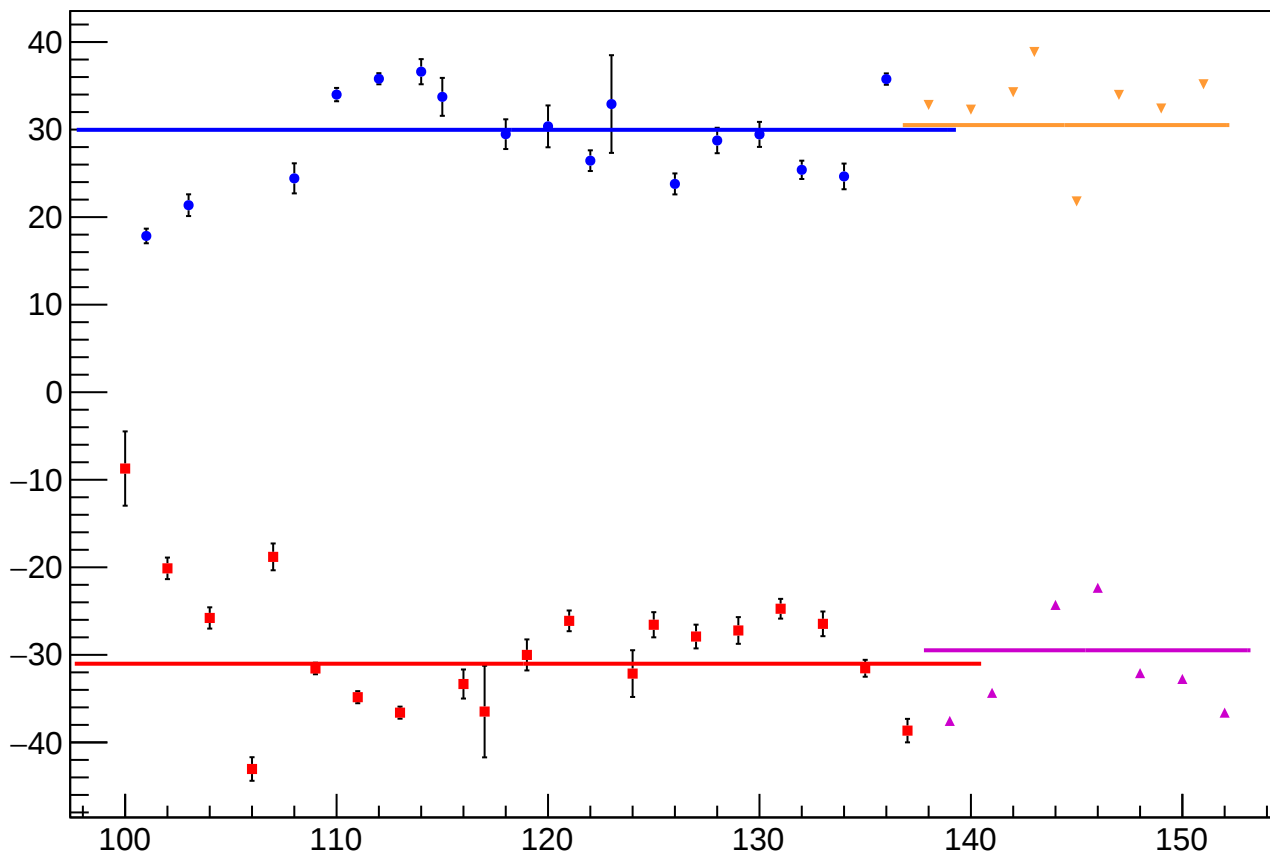
Left In: 1.211 ± 0.091 χ^2/NDF : 202.1/6

-1.696 ± 0.080 χ^2/NDF : 343.3/24

0.089 ± 0.056 χ^2/NDF : 1991.8/51

1.811 ± 0.078 χ^2/NDF : 665.1/26

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.972 $\pm$ 0.267 χ^2/NDF : 554.3/16

Left Out: 30.515 $\pm$ 0.137 χ^2/NDF : 1716.6/7

Right Out: -31.013 $\pm$ 0.260 χ^2/NDF : 480.6/19

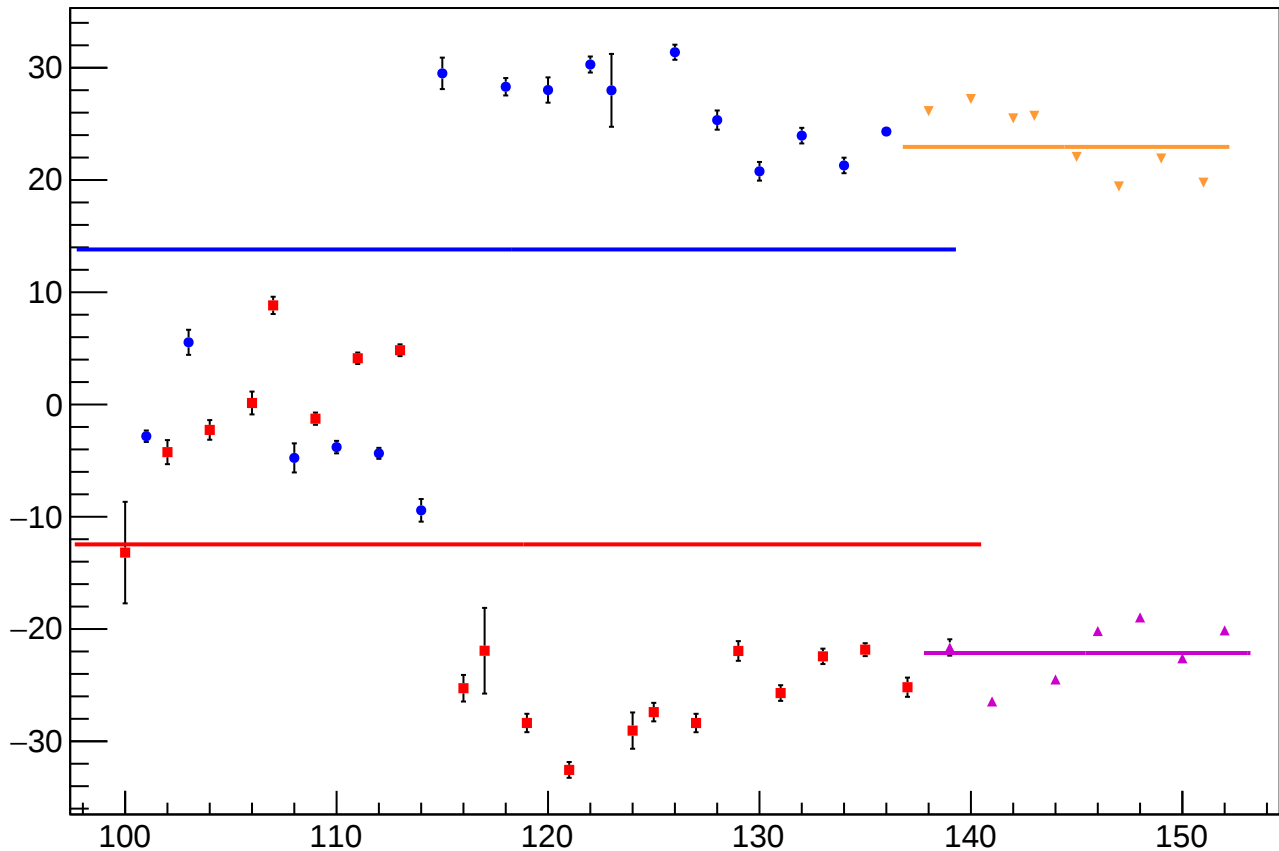
Left In: -29.478 $\pm$ 0.134 χ^2/NDF : 1928.5/6

30.402 $\pm$ 0.122 χ^2/NDF : 2274.2/24

-0.445 $\pm$ 0.085 χ^2/NDF : 129341.1/51

-29.801 $\pm$ 0.119 χ^2/NDF : 2436.6/26

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.813 $\pm$ 0.173 χ^2/NDF : 7318.6/16

Left Out: -12.460 $\pm$ 0.174 χ^2/NDF : 6976.5/19

Right Out: 22.950 $\pm$ 0.114 χ^2/NDF : 580.1/7

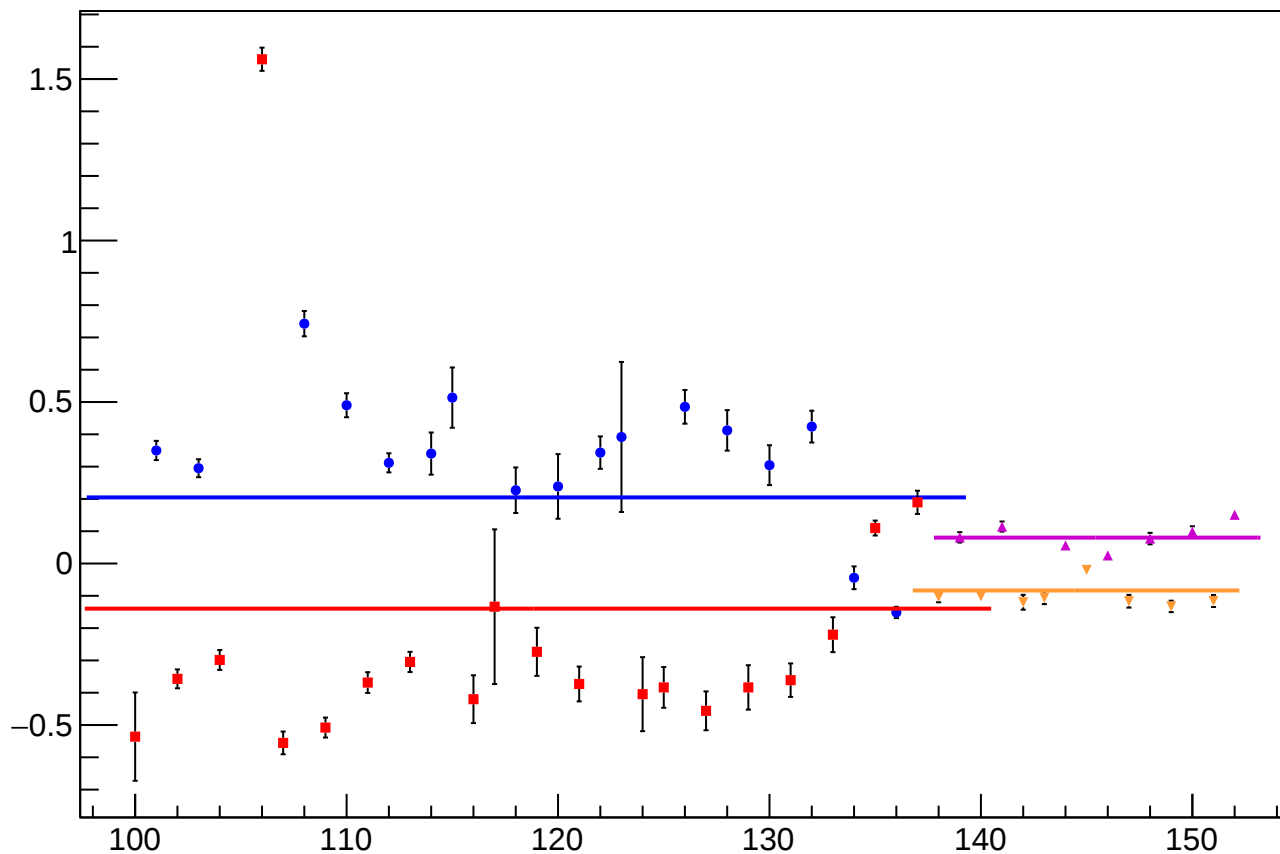
Left In: -22.138 $\pm$ 0.112 χ^2/NDF : 521.1/6

20.163 $\pm$ 0.095 χ^2/NDF : 9844.8/24

0.167 $\pm$ 0.067 χ^2/NDF : 106302.3/51

-19.294 $\pm$ 0.094 χ^2/NDF : 9693.7/26

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

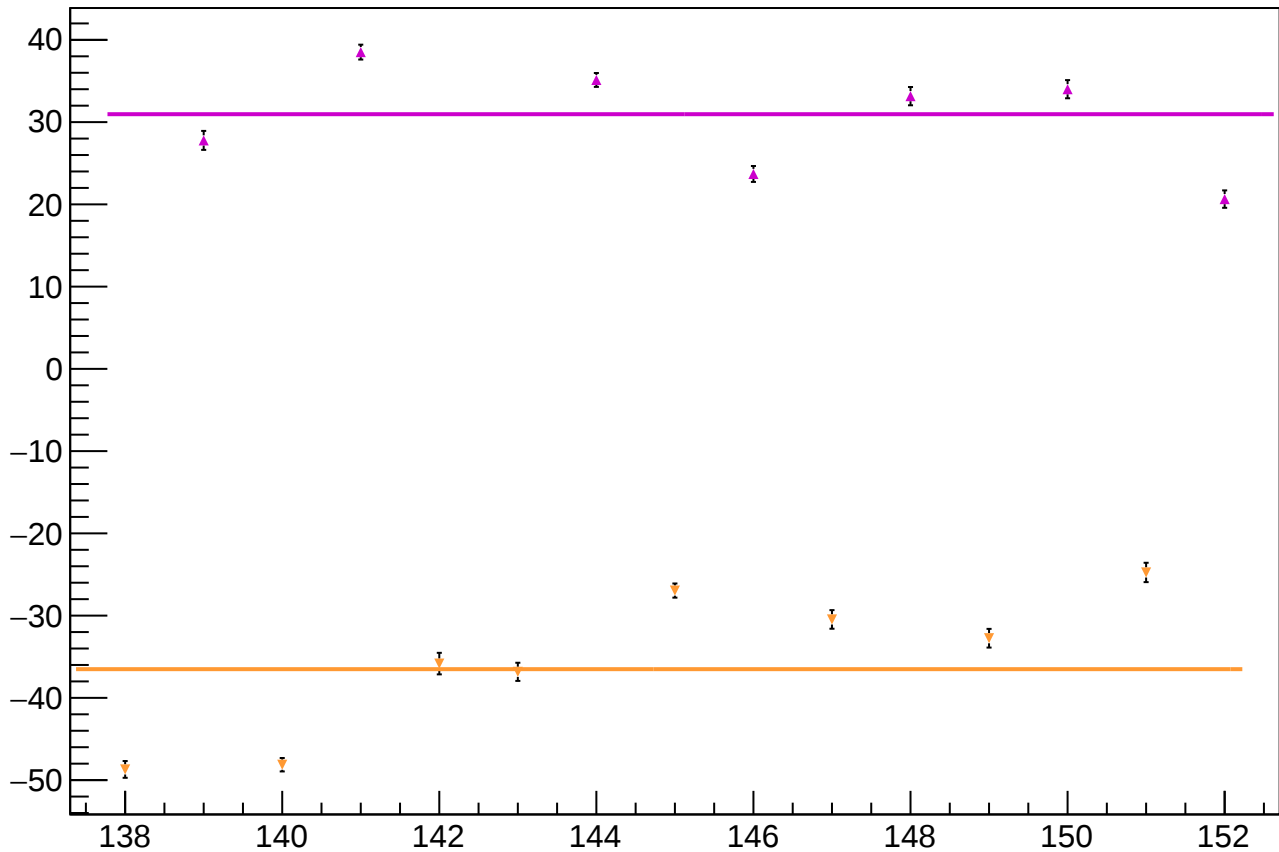
Left In: 0.080 ± 0.006 χ^2/NDF : 49.4/6

-0.006 ± 0.005 χ^2/NDF : 1595.1/24

0.007 ± 0.003 χ^2/NDF : 5088.0/51

0.020 ± 0.005 χ^2/NDF : 3478.6/26

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

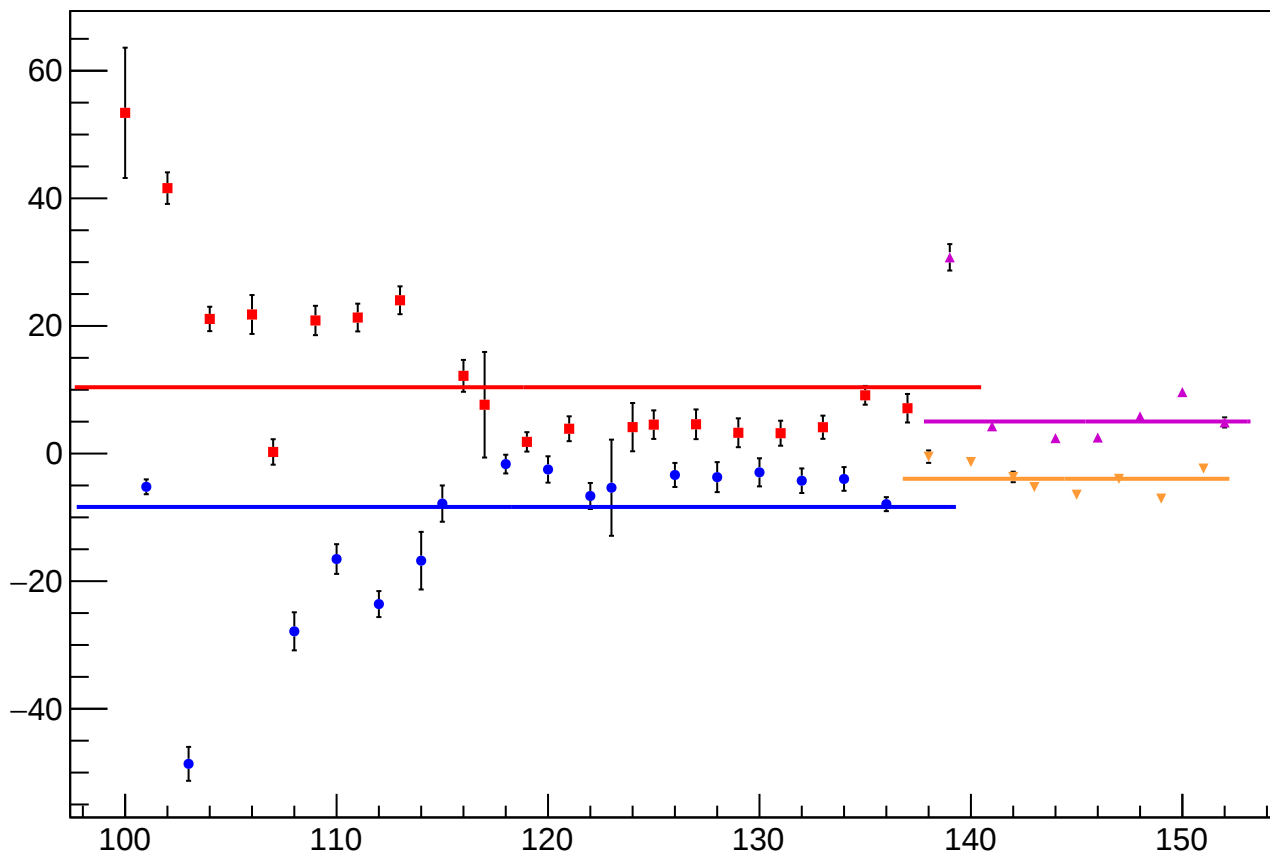
Left In: 30.963+/-0.379 χ^2/NDF : 264.6/6

-36.510+/-0.365 χ^2/NDF : 608.5/7

-3.994+/-0.263 χ^2/NDF : 17319.1/14

30.963+/-0.379 χ^2/NDF : 264.6/6

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.367 ± 0.466 $\chi^2/\text{NDF}: 408.8/16$

Left Out: -3.953 ± 0.249 $\chi^2/\text{NDF}: 68.0/7$

Right Out: 10.396 ± 0.490 $\chi^2/\text{NDF}: 430.4/19$

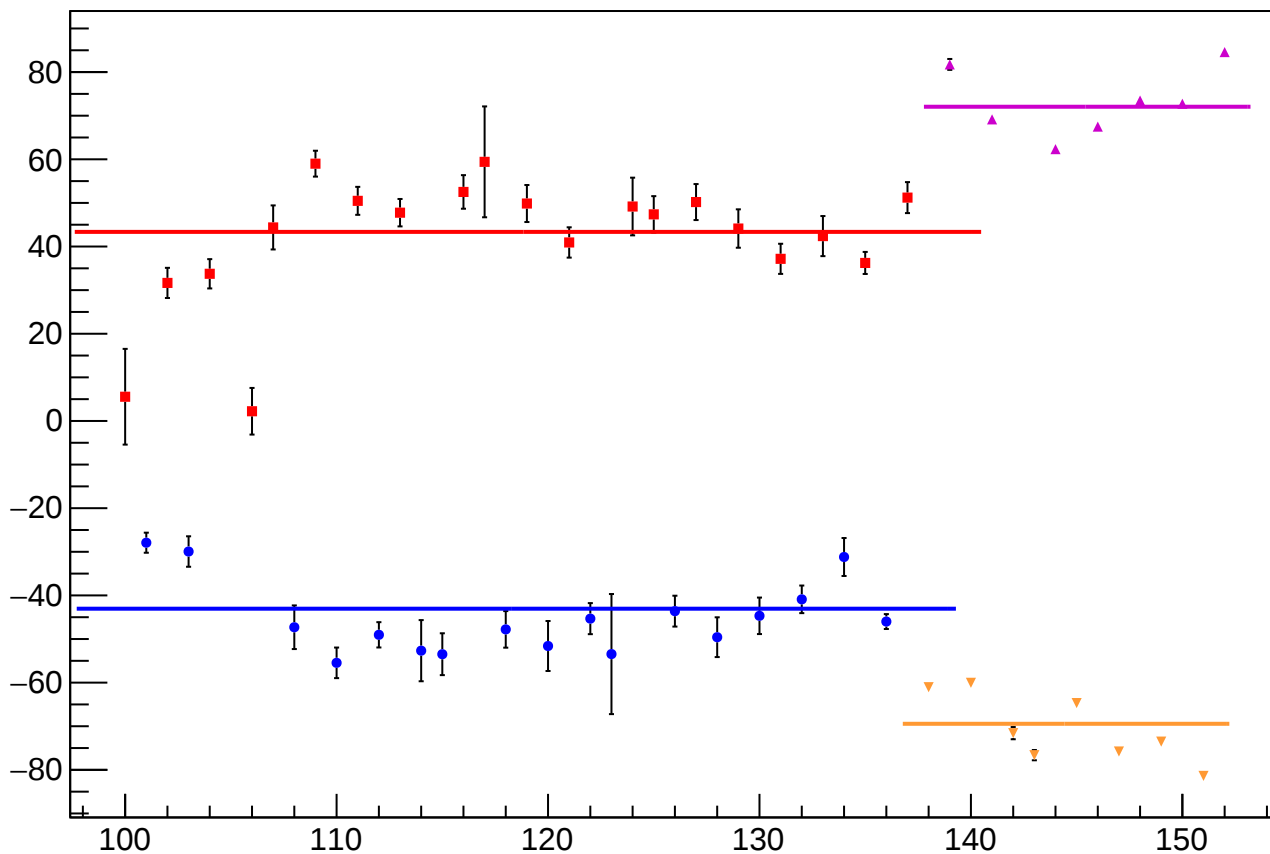
Left In: 5.026 ± 0.255 $\chi^2/\text{NDF}: 234.8/6$

-4.935 ± 0.220 $\chi^2/\text{NDF}: 546.5/24$

0.457 ± 0.158 $\chi^2/\text{NDF}: 2545.5/51$

6.170 ± 0.226 $\chi^2/\text{NDF}: 759.7/26$

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -43.047±/0.837 χ^2/NDF : 99.0/16

Left Out: -69.438±/0.374 χ^2/NDF : 404.5/7

Right Out: 43.357±/0.865 χ^2/NDF : 156.0/19

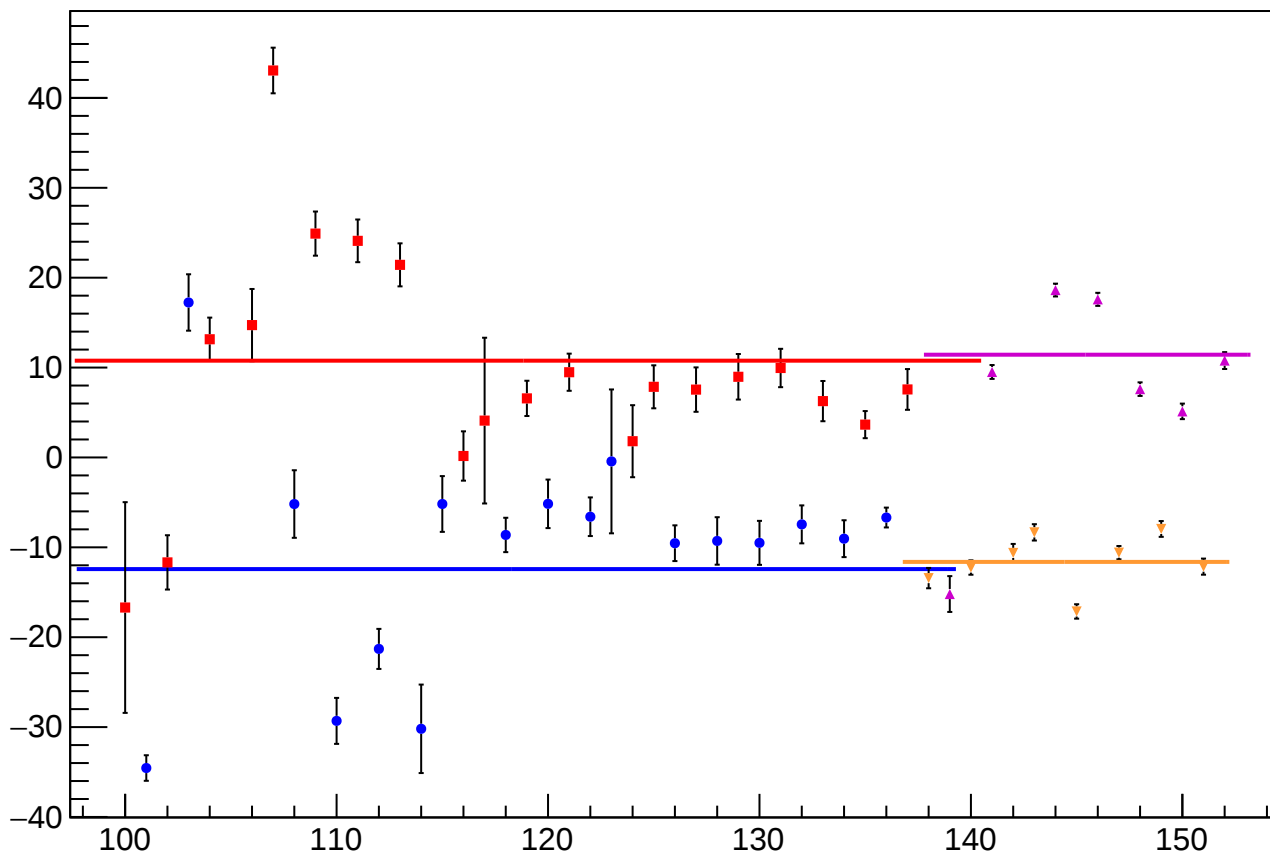
Left In: 72.054±/0.379 χ^2/NDF : 365.0/6

-65.042±/0.342 χ^2/NDF : 1331.5/24

0.103±/0.244 χ^2/NDF : 76685.0/51

67.428±/0.347 χ^2/NDF : 1443.8/26

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

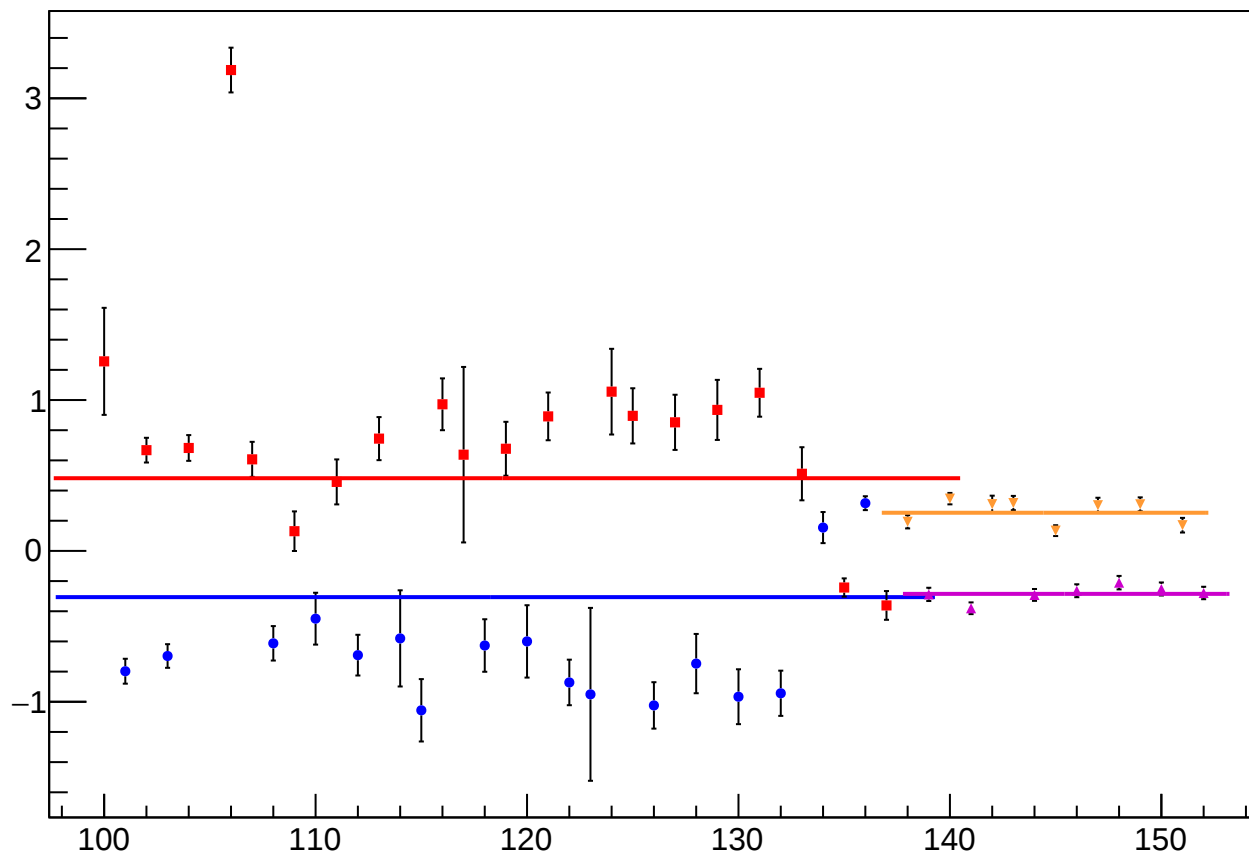
Left In: 11.431 ± 0.316 χ^2/NDF : 437.8/6

-11.828 ± 0.266 χ^2/NDF : 560.2/24

-0.633 ± 0.191 χ^2/NDF : 5018.1/51

11.267 ± 0.274 χ^2/NDF : 805.3/26

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

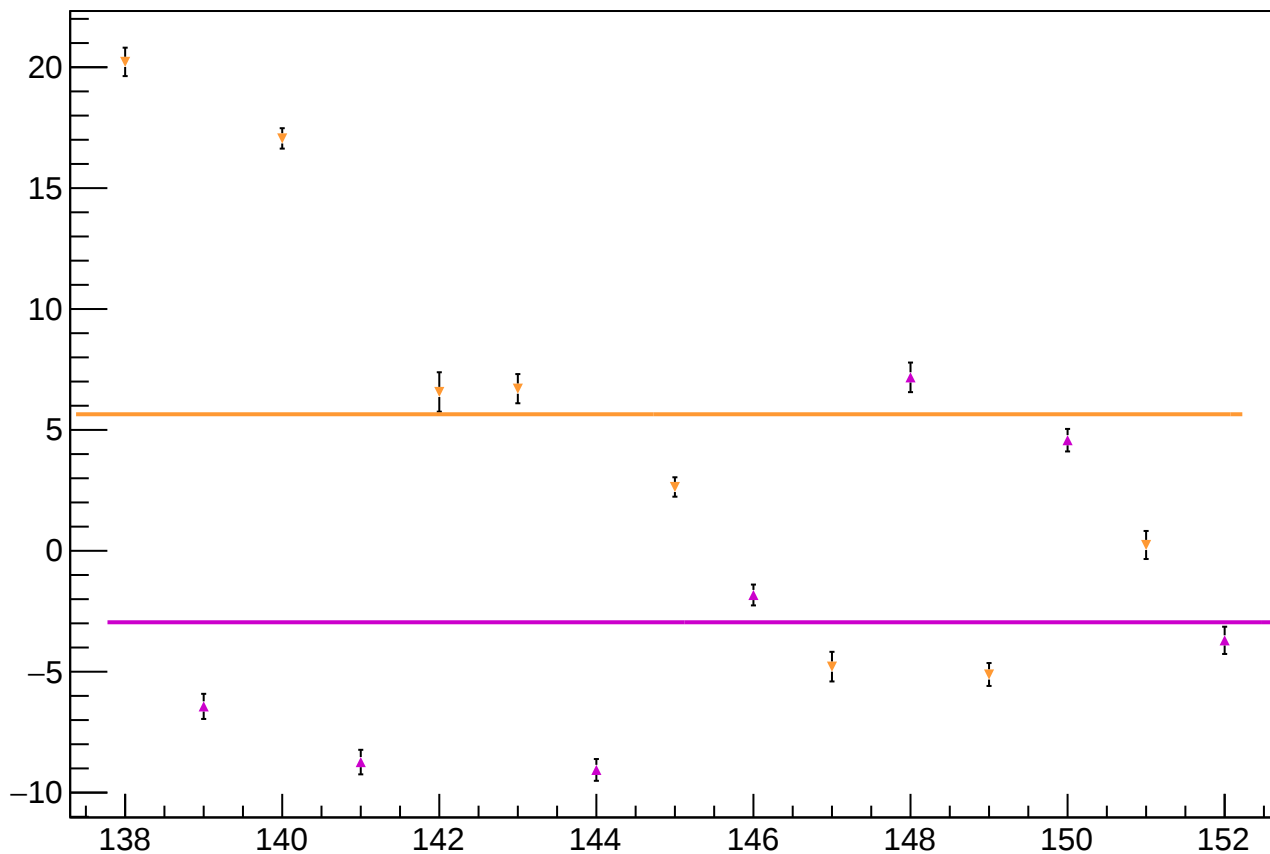
Left In: -0.285 ± 0.016 χ^2/NDF : 9.6/6

0.116 ± 0.014 χ^2/NDF : 709.4/24

0.007 ± 0.010 χ^2/NDF : 2027.0/51

-0.105 ± 0.014 χ^2/NDF : 1189.1/26

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 5.648+/-0.186 χ^2/NDF :2299.5/7

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

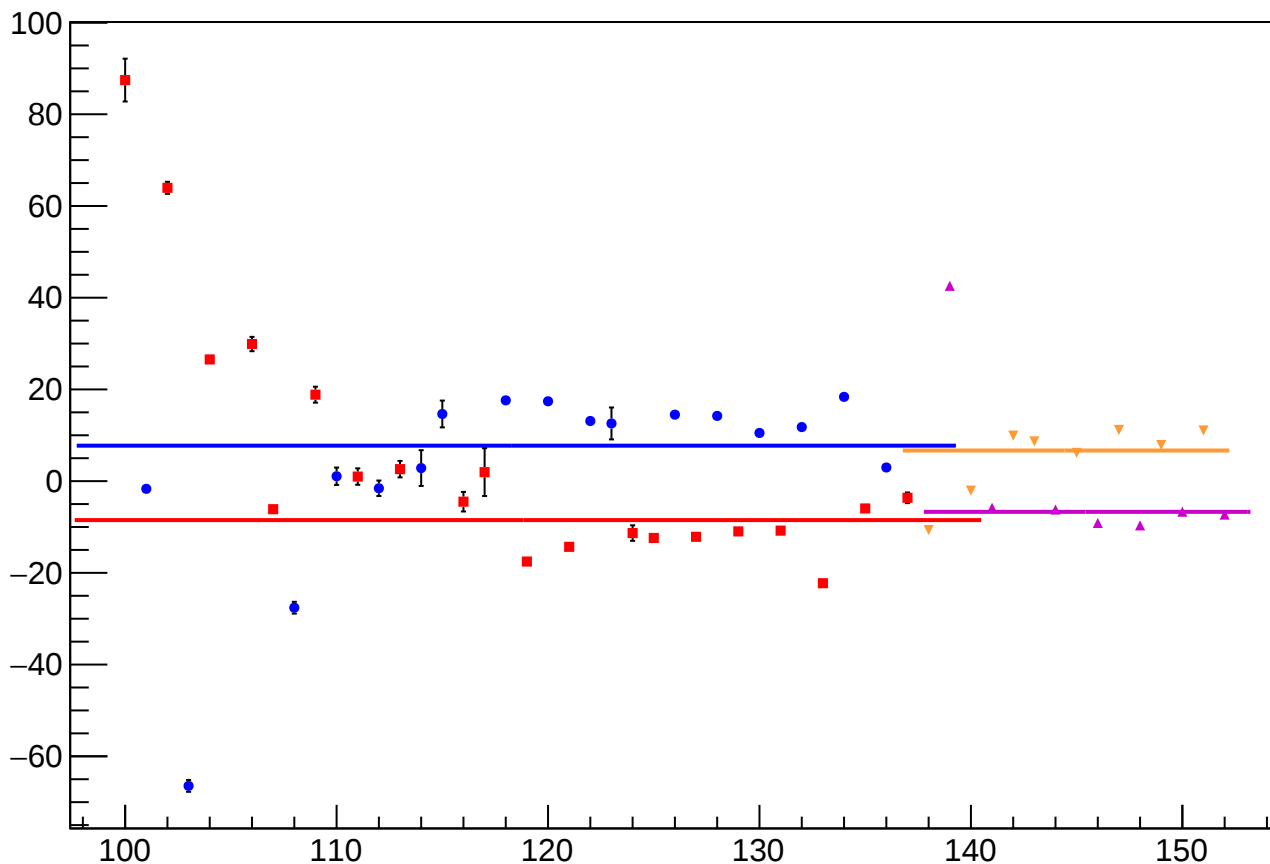
Left In: -2.956+/-0.188 χ^2/NDF :902.4/6

5.648+/-0.186 χ^2/NDF : 2299.5/7

1.401+/-0.132 χ^2/NDF : 4263.5/14

-2.956+/-0.188 χ^2/NDF : 902.4/6

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

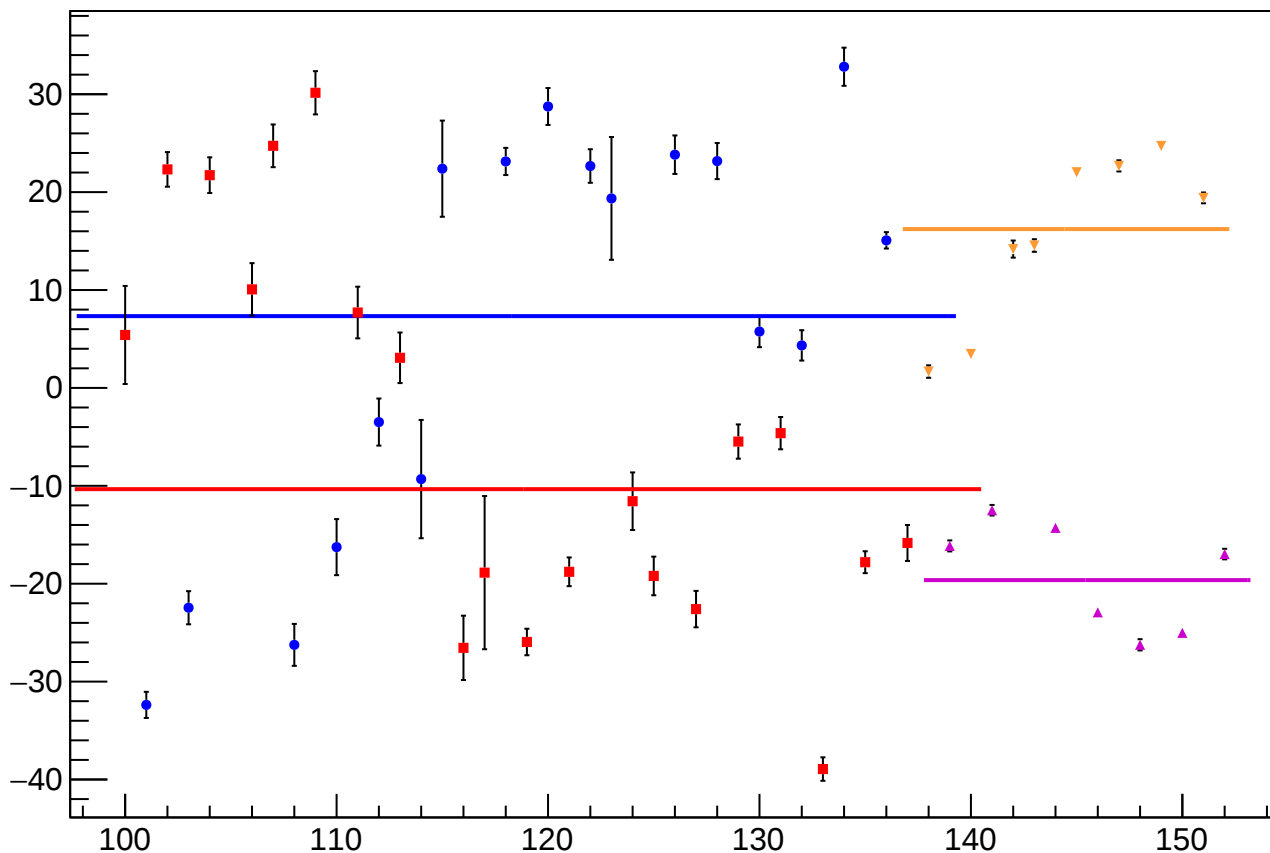
Left In: -6.696 ± 0.131 χ^2/NDF : 2903.7/6

6.953 ± 0.111 χ^2/NDF : 7261.1/24

-0.051 ± 0.079 χ^2/NDF : 25009.7/51

-7.193 ± 0.112 χ^2/NDF : 9678.9/26

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

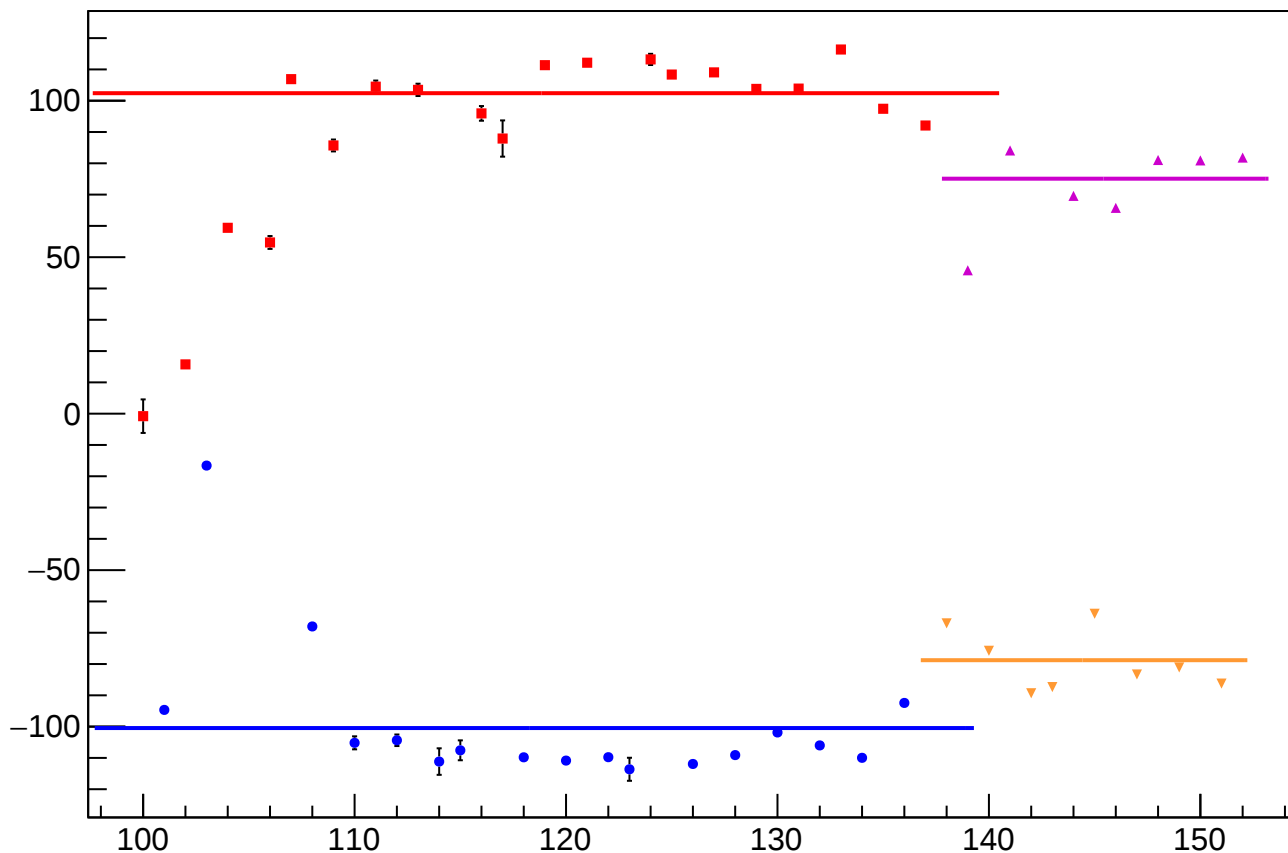
Left In: -19.632 ± 0.187 χ^2/NDF : 708.5/6

14.723 ± 0.172 χ^2/NDF : 4722.1/24

-1.775 ± 0.121 χ^2/NDF : 26412.7/51

-18.066 ± 0.171 χ^2/NDF : 3405.4/26

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -100.457 $\pm$ 0.251 χ^2 /NDF: 4461.1/16

Left Out: -84.939 $\pm$ 0.134 χ^2 /NDF: 2921.5/7

Right Out: 102.405 $\pm$ 0.246 χ^2 /NDF: 6100.6/19

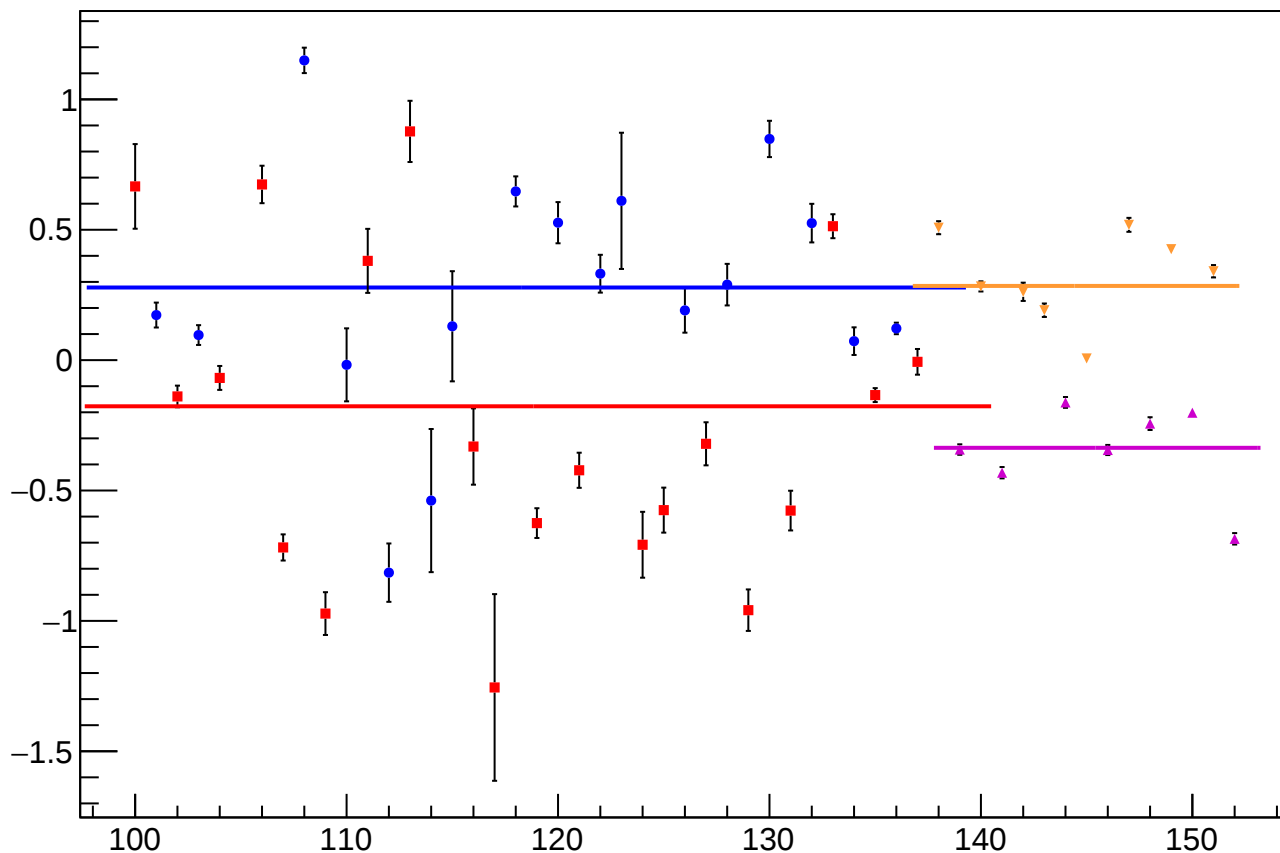
Left In: 75.084 $\pm$ 0.160 χ^2 /NDF: 3046.8/6

-84.939 $\pm$ 0.134 χ^2 /NDF: 12733.9/24

-1.211 $\pm$ 0.095 χ^2 /NDF: 818415.6/51

83.216 $\pm$ 0.134 χ^2 /NDF: 17807.8/26

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.279+/-0.014 χ^2/NDF : 653.9/16

Left Out: 0.285+/-0.008 χ^2/NDF : 507.7/7

Right Out: -0.177+/-0.013 χ^2/NDF : 976.8/19

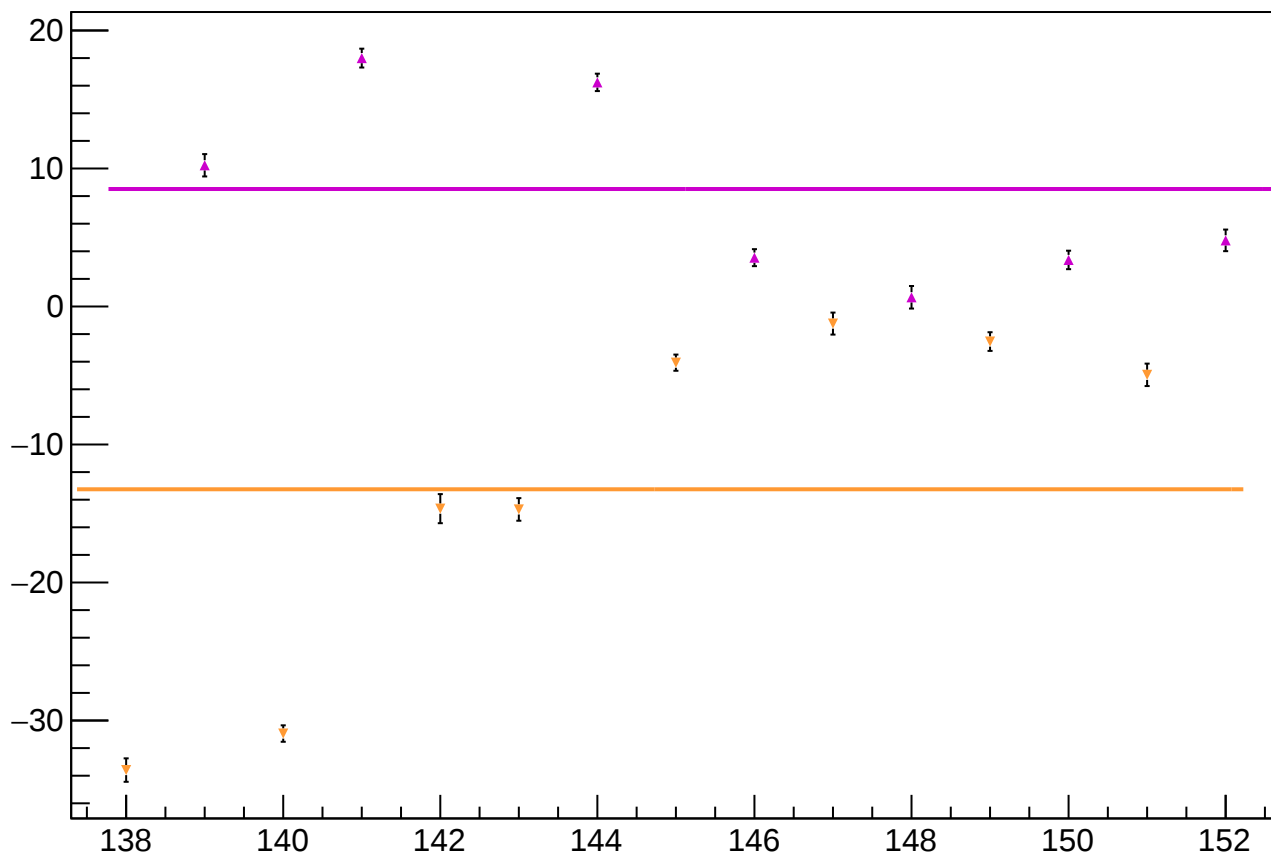
Left In: -0.336+/-0.008 χ^2/NDF : 411.7/6

0.283+/-0.007 χ^2/NDF : 1161.8/24

-0.009+/-0.005 χ^2/NDF : 6286.7/51

-0.296+/-0.007 χ^2/NDF : 1493.0/26

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

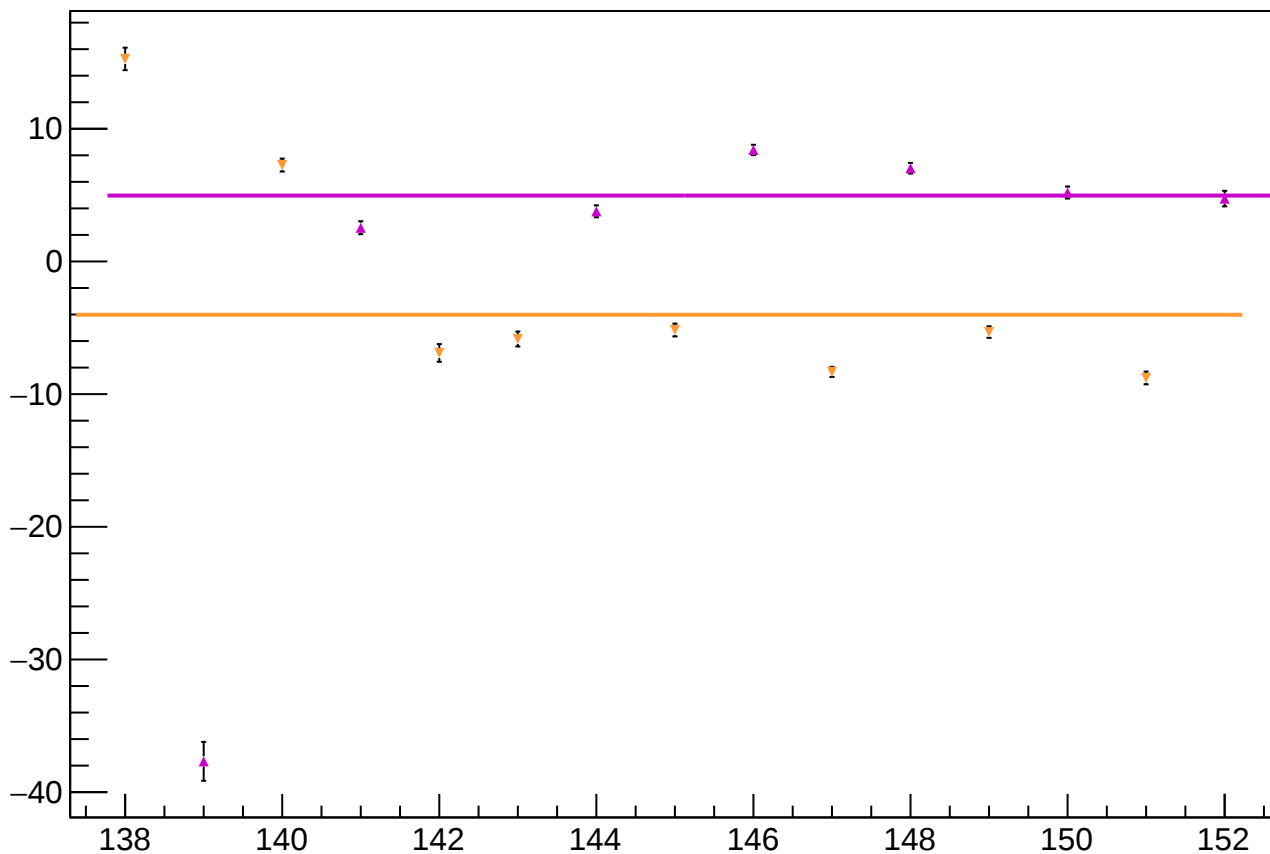
Left In: 8.513+/-0.266 χ^2/NDF : 586.8/6

-13.245+/-0.260 χ^2/NDF : 2286.3/7

-2.585+/-0.186 χ^2/NDF : 6298.7/14

8.513+/-0.266 χ^2/NDF : 586.8/6

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: -4.018 $\pm$ 0.178 χ^2/NDF : 1319.9/7

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

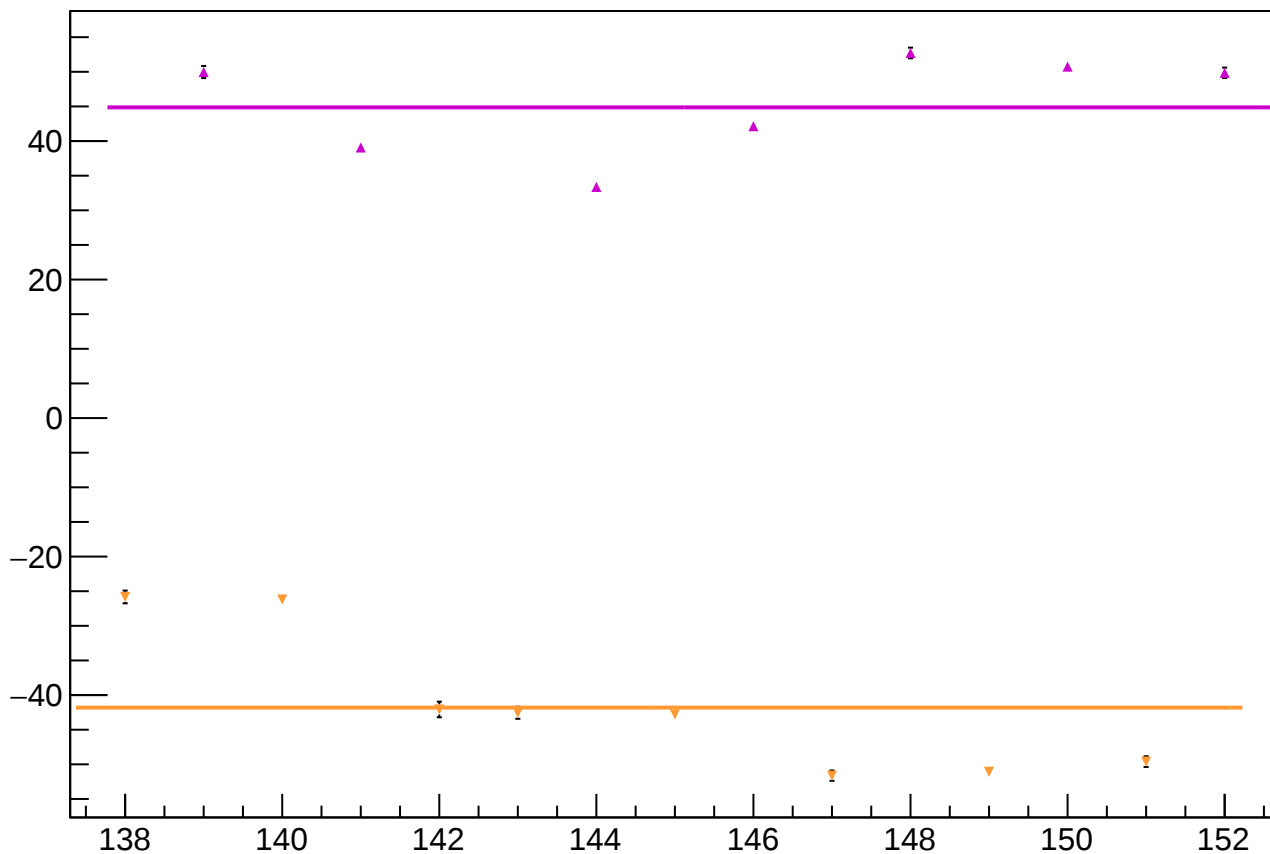
Left In: 4.966 $\pm$ 0.182 χ^2/NDF : 981.7/6

-4.018 $\pm$ 0.178 χ^2/NDF : 1319.9/7

0.361 $\pm$ 0.127 χ^2/NDF : 3549.2/14

4.966 $\pm$ 0.182 χ^2/NDF : 981.7/6

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

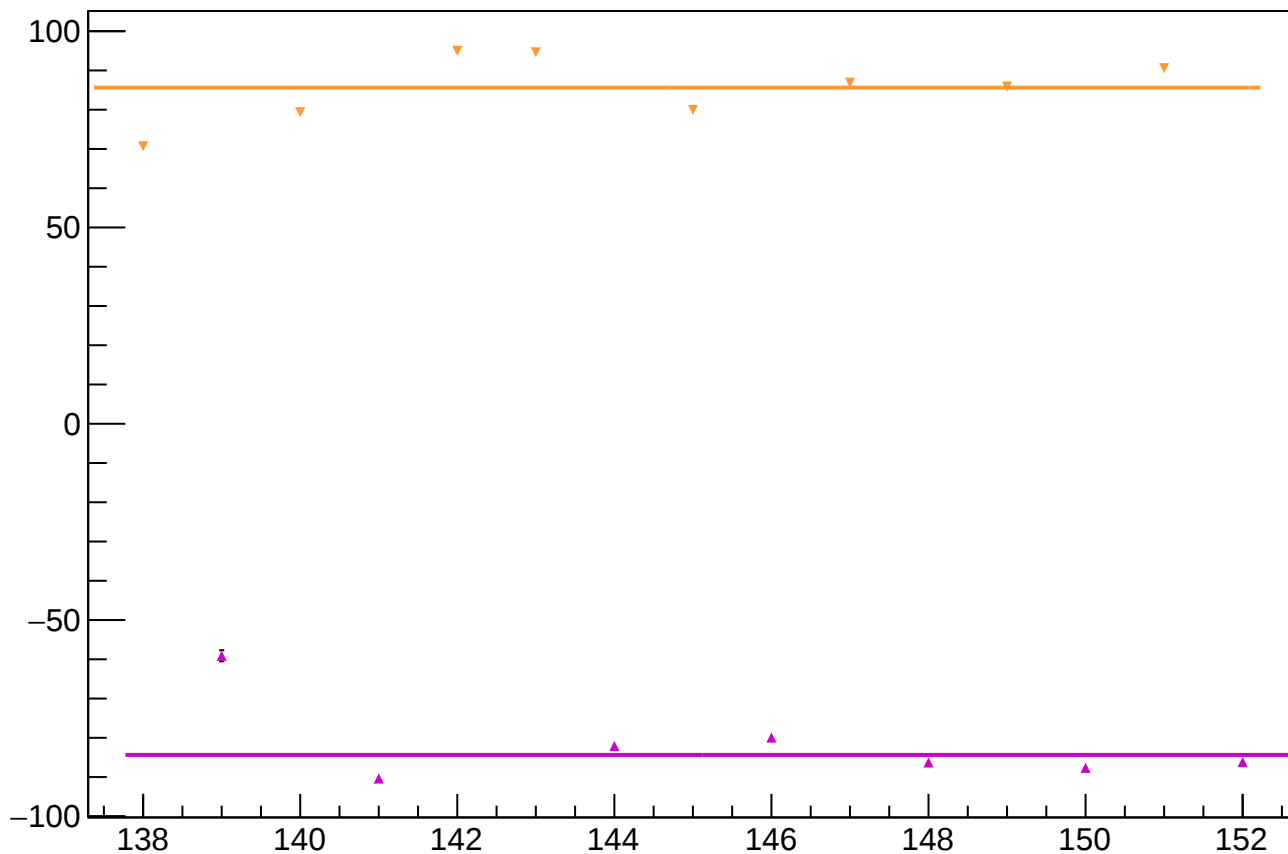
Left In: 44.865+/-0.265 χ^2/NDF : 645.9/6

-41.807+/-0.264 χ^2/NDF : 1398.2/7

1.489+/-0.187 χ^2/NDF : 55766.1/14

44.865+/-0.265 χ^2/NDF : 645.9/6

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

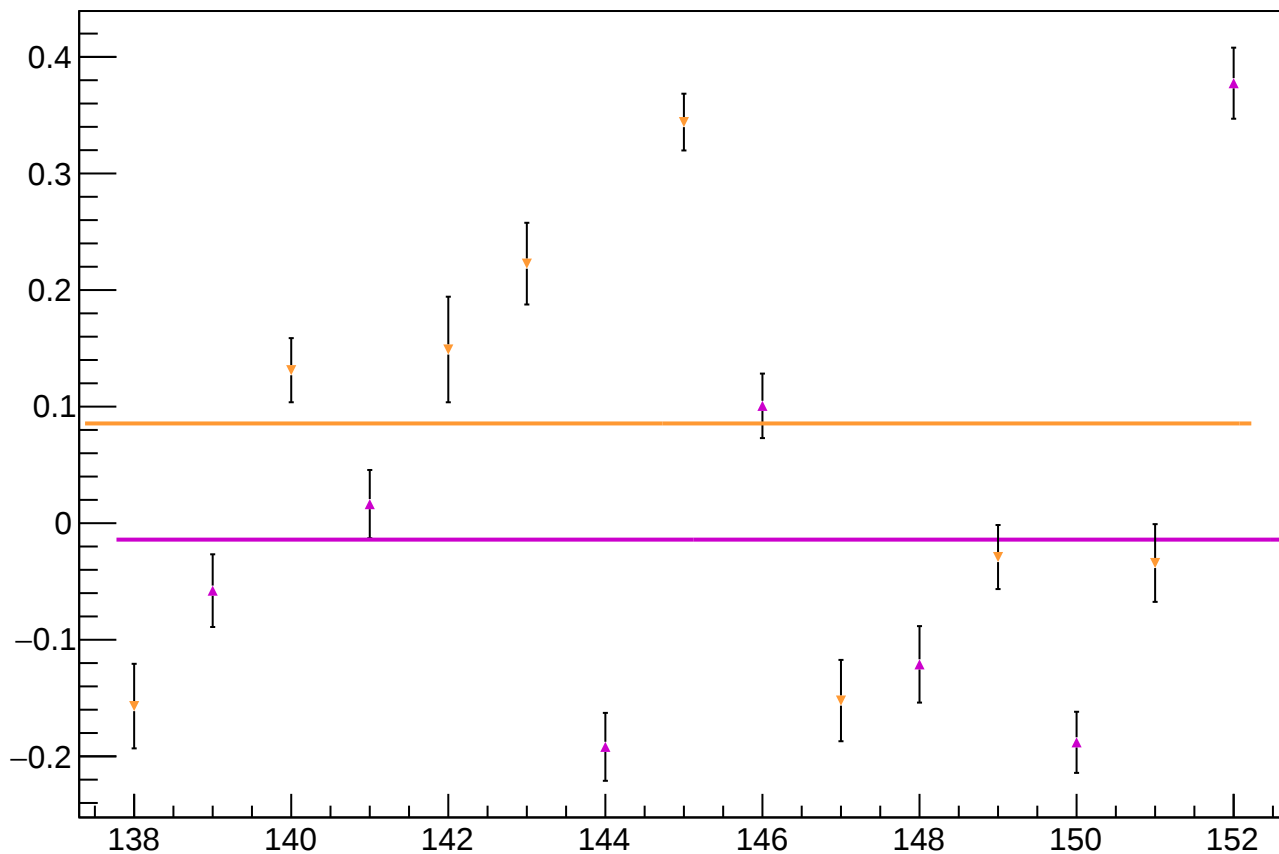
Left In: -84.355+/-0.223 χ^2/NDF : 583.8/6

85.631+/-0.219 χ^2/NDF : 836.9/7

2.128+/-0.156 χ^2/NDF : 296797.5/14

-84.355+/-0.223 χ^2/NDF : 583.8/6

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: 0.086 $\pm$ 0.011 χ^2 /NDF: 254.2/7

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

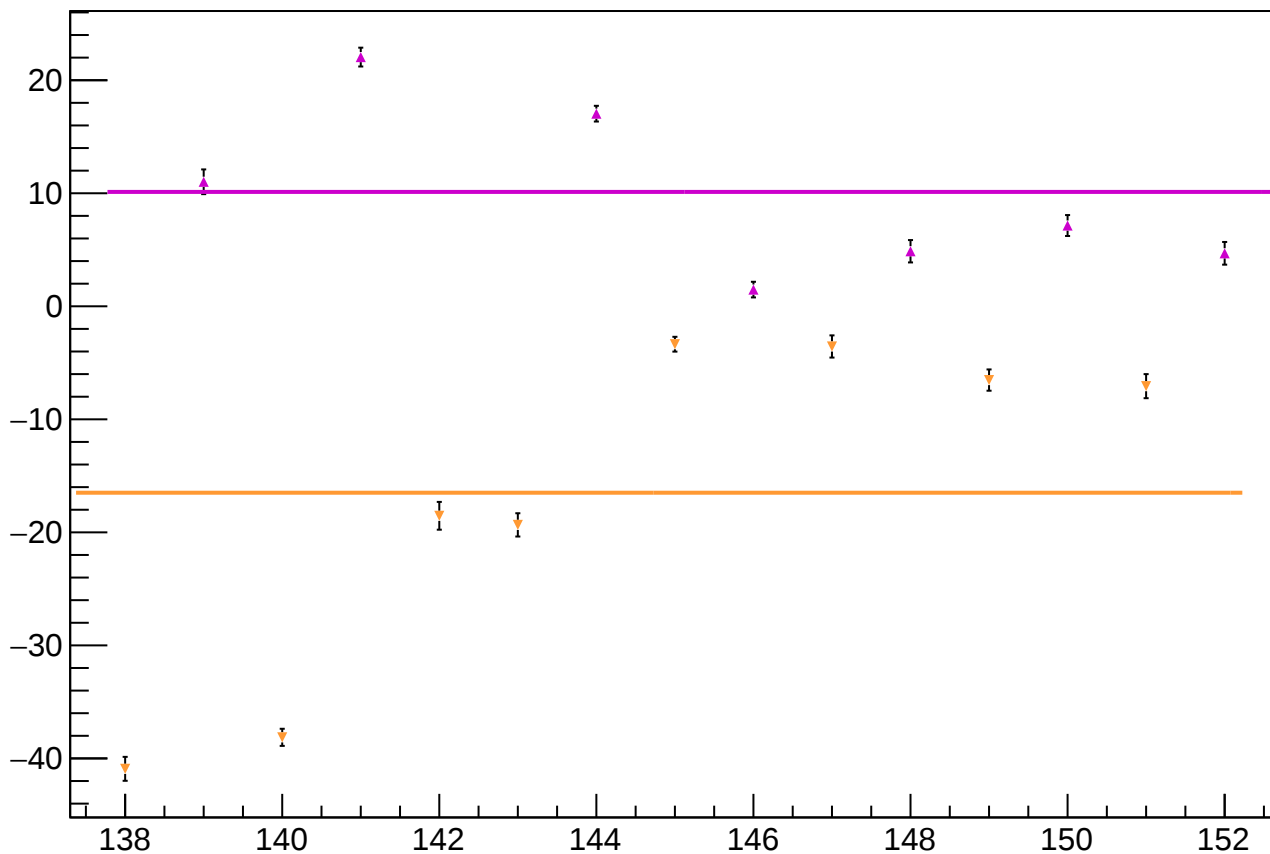
Left In: -0.014 $\pm$ 0.011 χ^2 /NDF: 277.2/6

0.086 $\pm$ 0.011 χ^2 /NDF: 254.2/7

0.036 $\pm$ 0.008 χ^2 /NDF: 571.8/14

-0.014 $\pm$ 0.011 χ^2 /NDF: 277.2/6

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

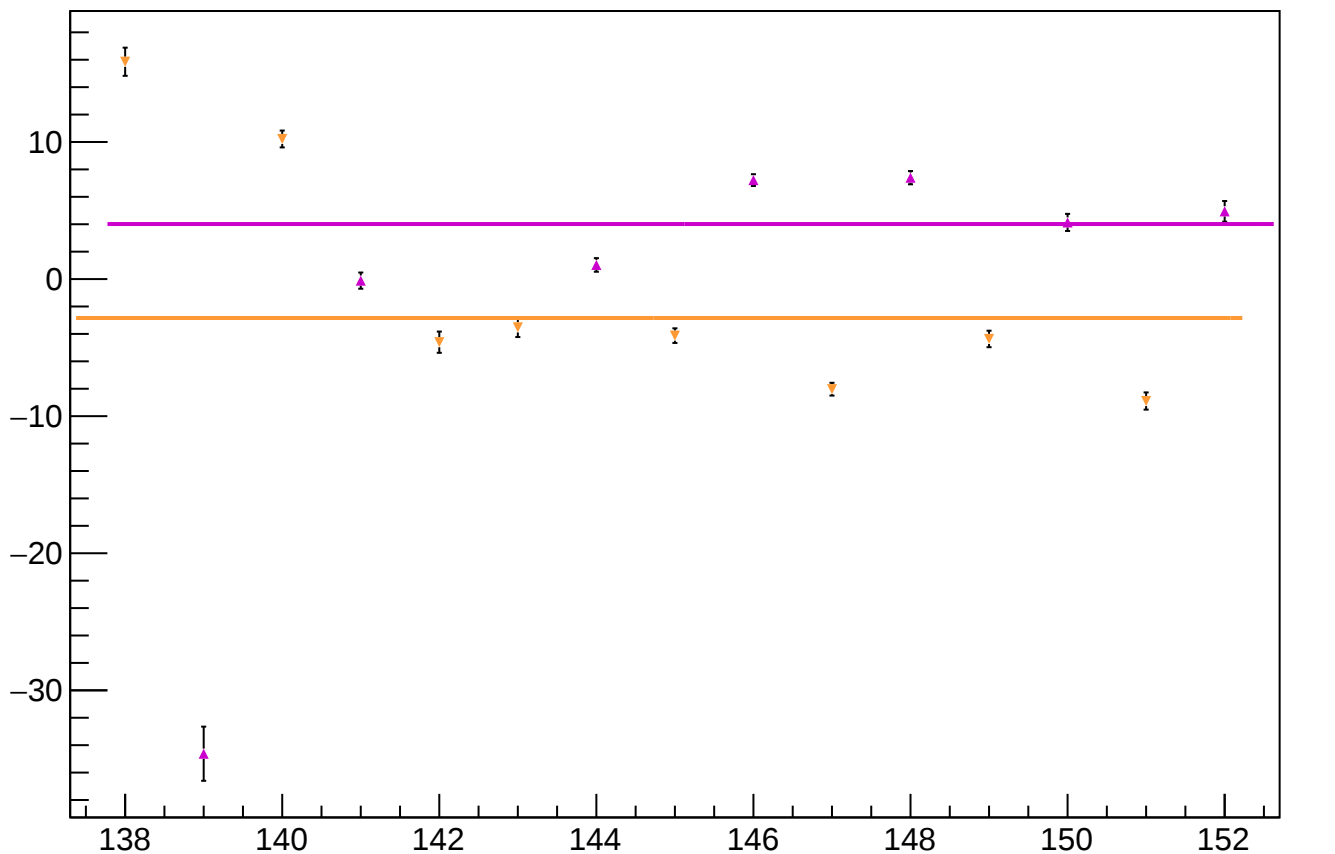
Left In: 10.119+/-0.323 χ^2/NDF : 528.4/6

-16.493+/-0.322 χ^2/NDF : 2127.1/7

-3.194+/-0.228 χ^2/NDF : 6061.2/14

10.119+/-0.323 χ^2/NDF : 528.4/6

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

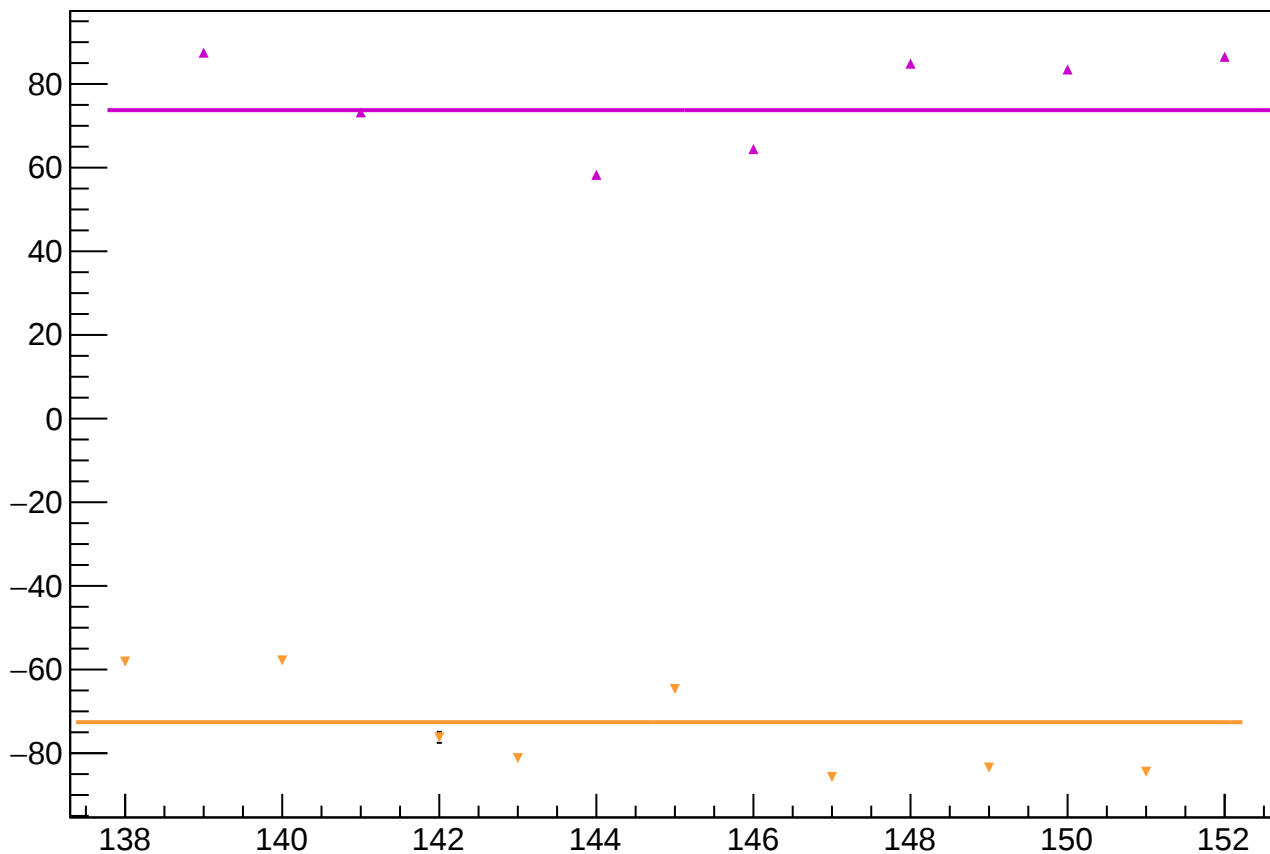
Left In: 4.016+/-0.217 χ^2/NDF : 574.0/6

-2.838+/-0.220 χ^2/NDF : 1018.3/7

0.636+/-0.154 χ^2/NDF : 2084.3/14

4.016+/-0.217 χ^2/NDF : 574.0/6

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

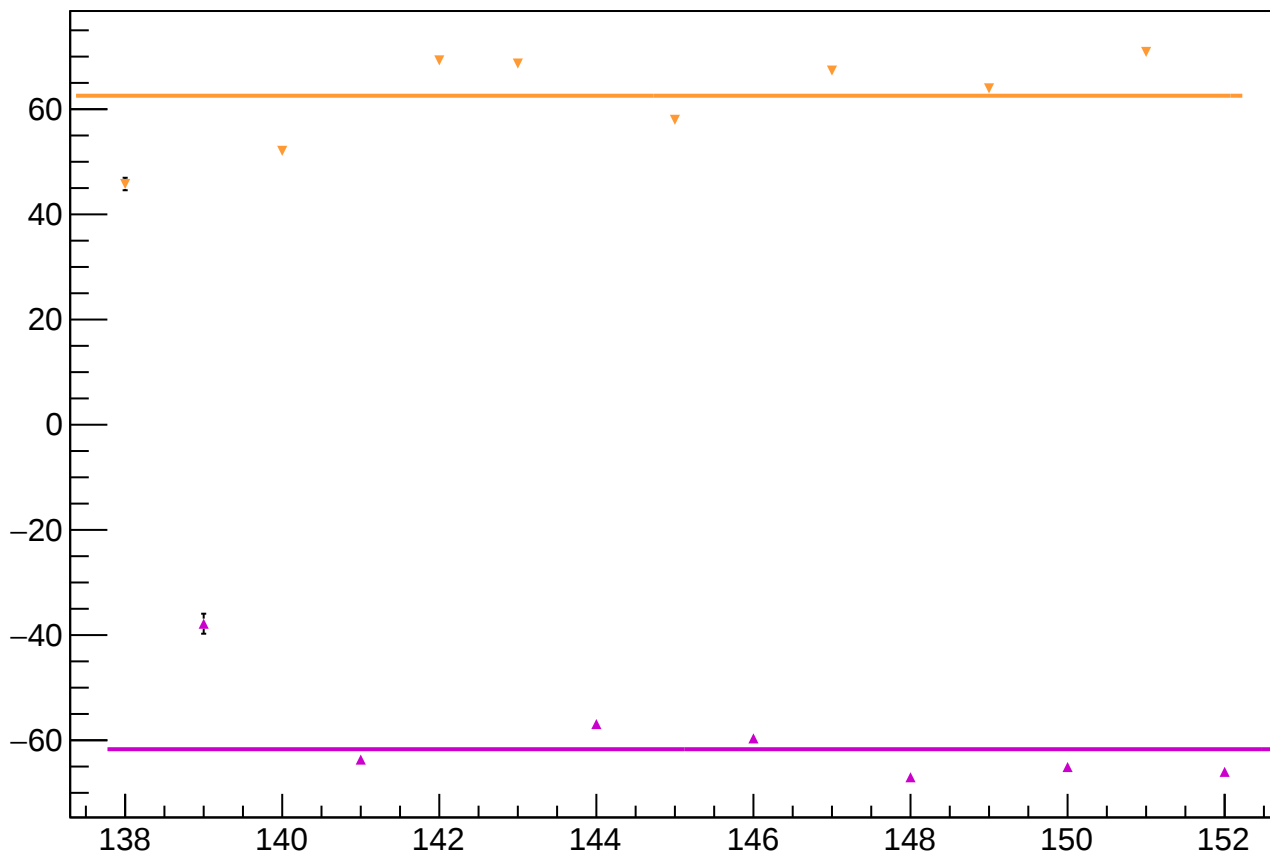
Left In: 73.743+/-0.322 χ^2/NDF :1208.8/6

-72.591+/-0.329 χ^2/NDF : 1186.0/7

2.159+/-0.230 χ^2/NDF : 103288.8/14

73.743+/-0.322 χ^2/NDF : 1208.8/6

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

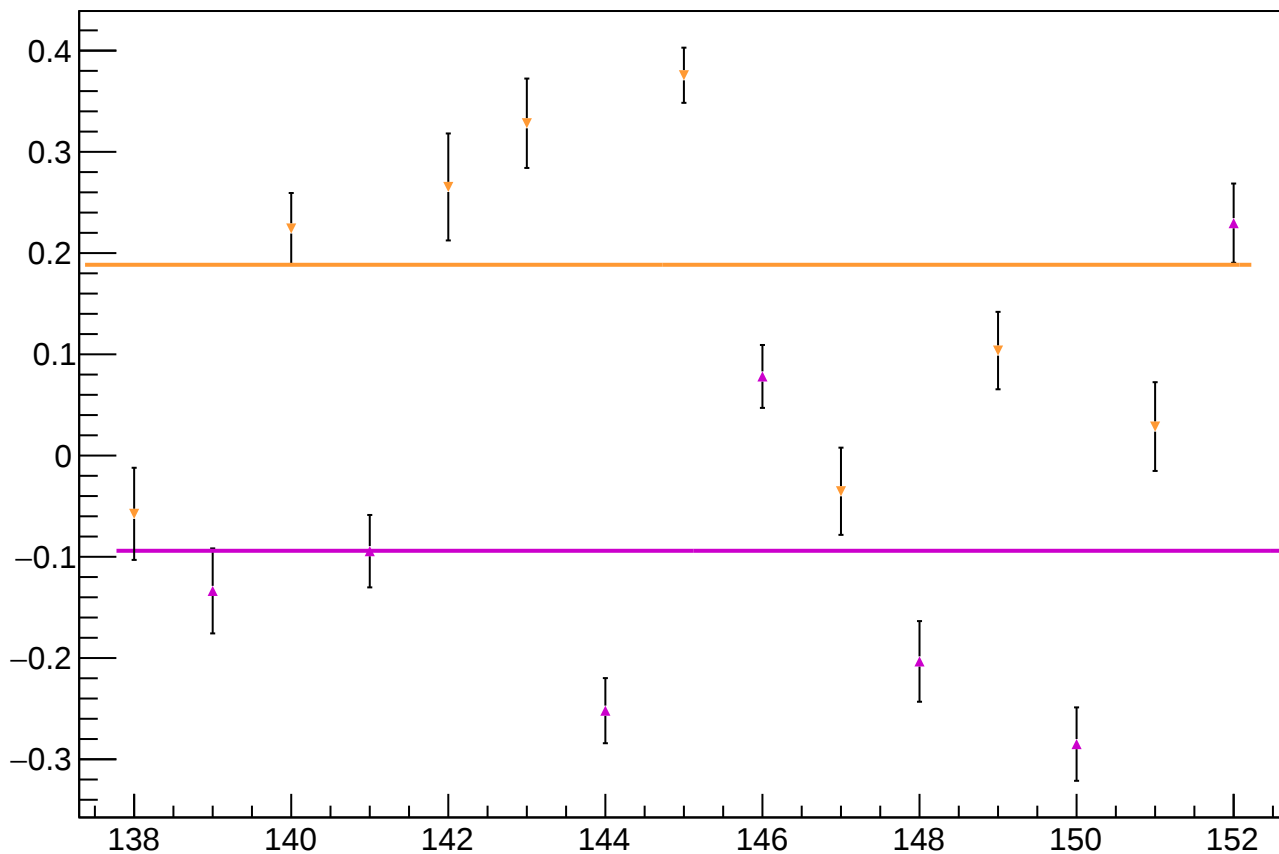
Left In: -61.704+/-0.268 χ^2/NDF : 353.8/6

62.562+/-0.272 χ^2/NDF : 723.2/7

-0.527+/-0.191 χ^2/NDF : 107105.7/14

-61.704+/-0.268 χ^2/NDF : 353.8/6

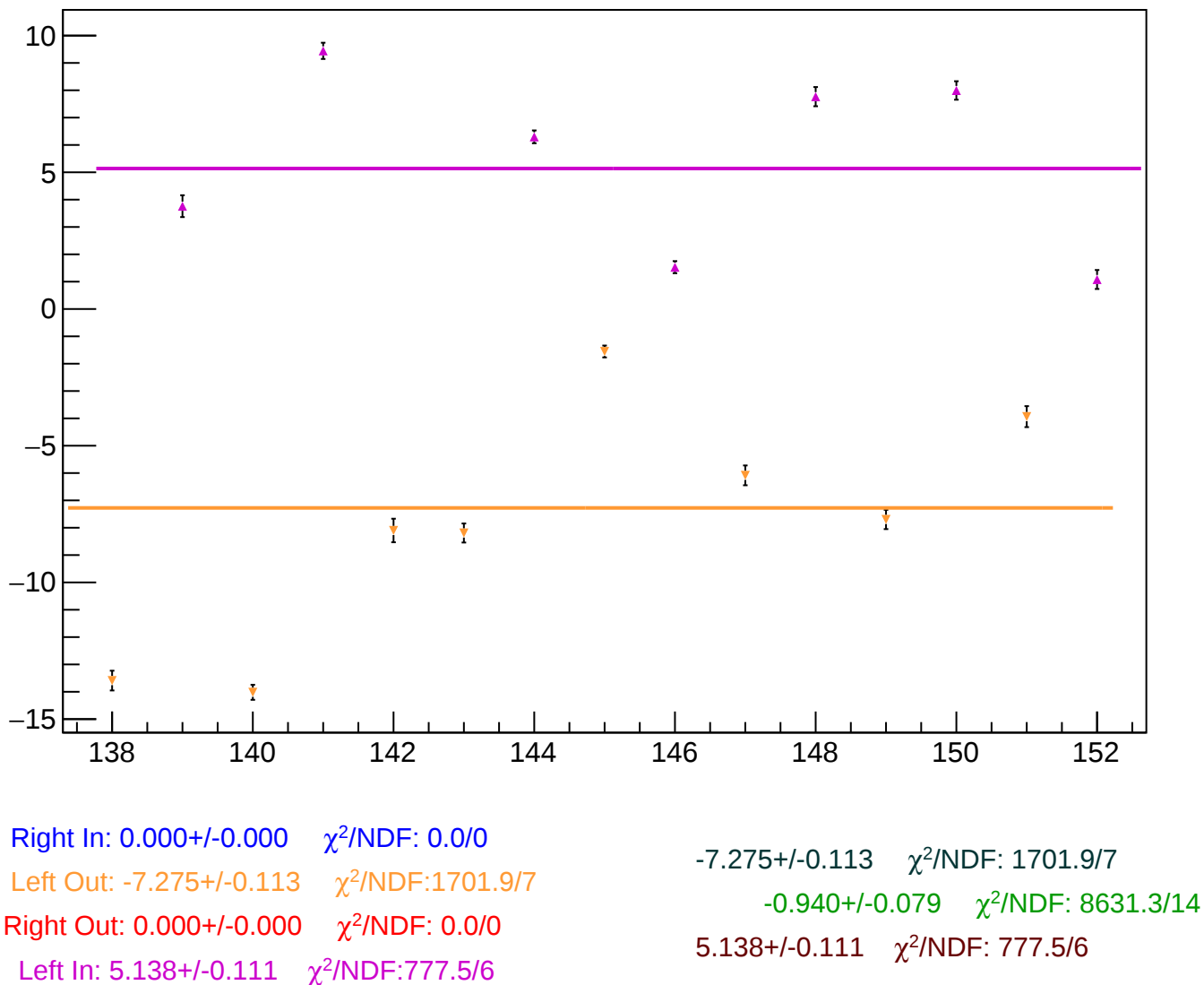
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



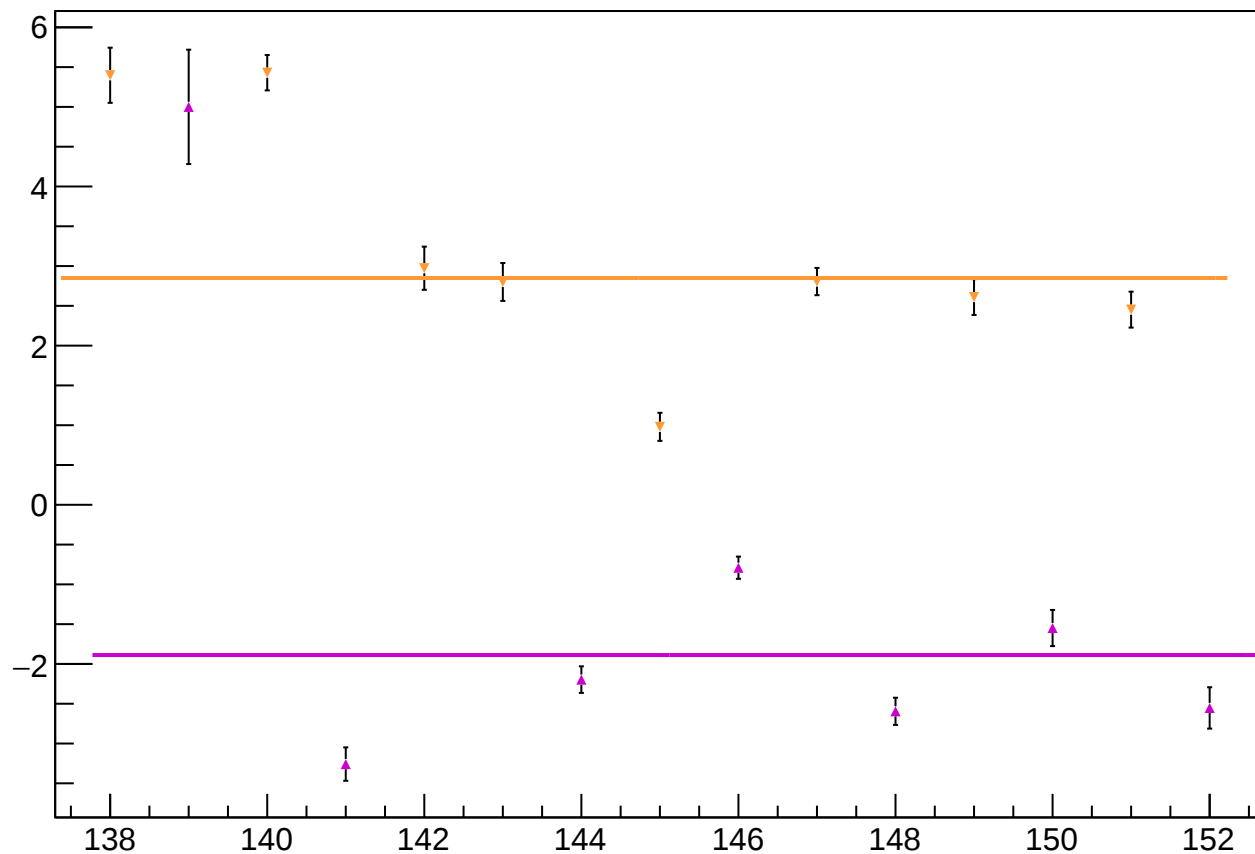
Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.188 $\pm$ 0.014 χ^2 /NDF:134.8/7
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.094 $\pm$ 0.014 χ^2 /NDF:159.3/6

0.188 $\pm$ 0.014 χ^2 /NDF: 134.8/7
 0.045 $\pm$ 0.010 χ^2 /NDF: 506.6/14
 -0.094 $\pm$ 0.014 χ^2 /NDF: 159.3/6

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



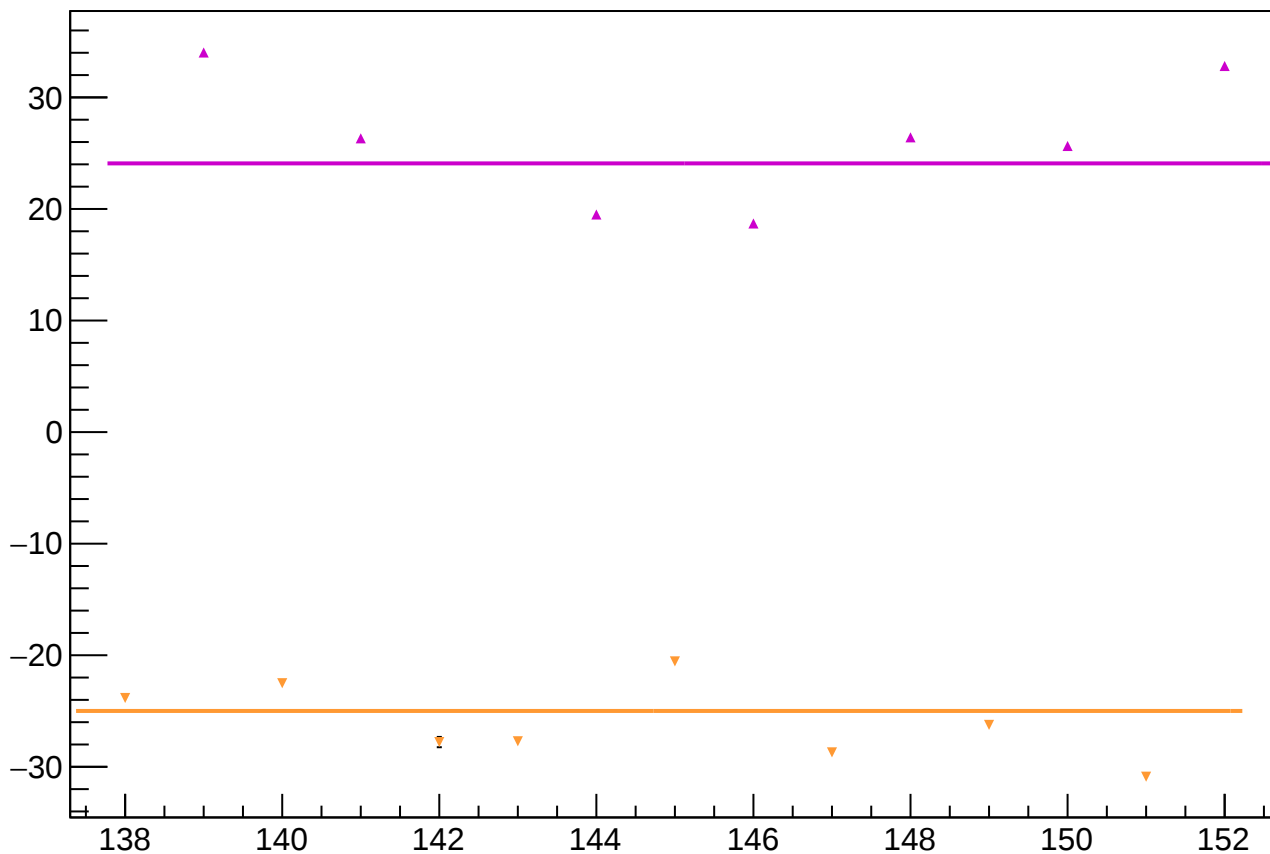
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: -1.888+/-0.074 χ^2/NDF : 225.6/6

2.850+/-0.078 χ^2/NDF : 305.8/7
 0.380+/-0.054 χ^2/NDF : 2467.7/14
 -1.888+/-0.074 χ^2/NDF : 225.6/6

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

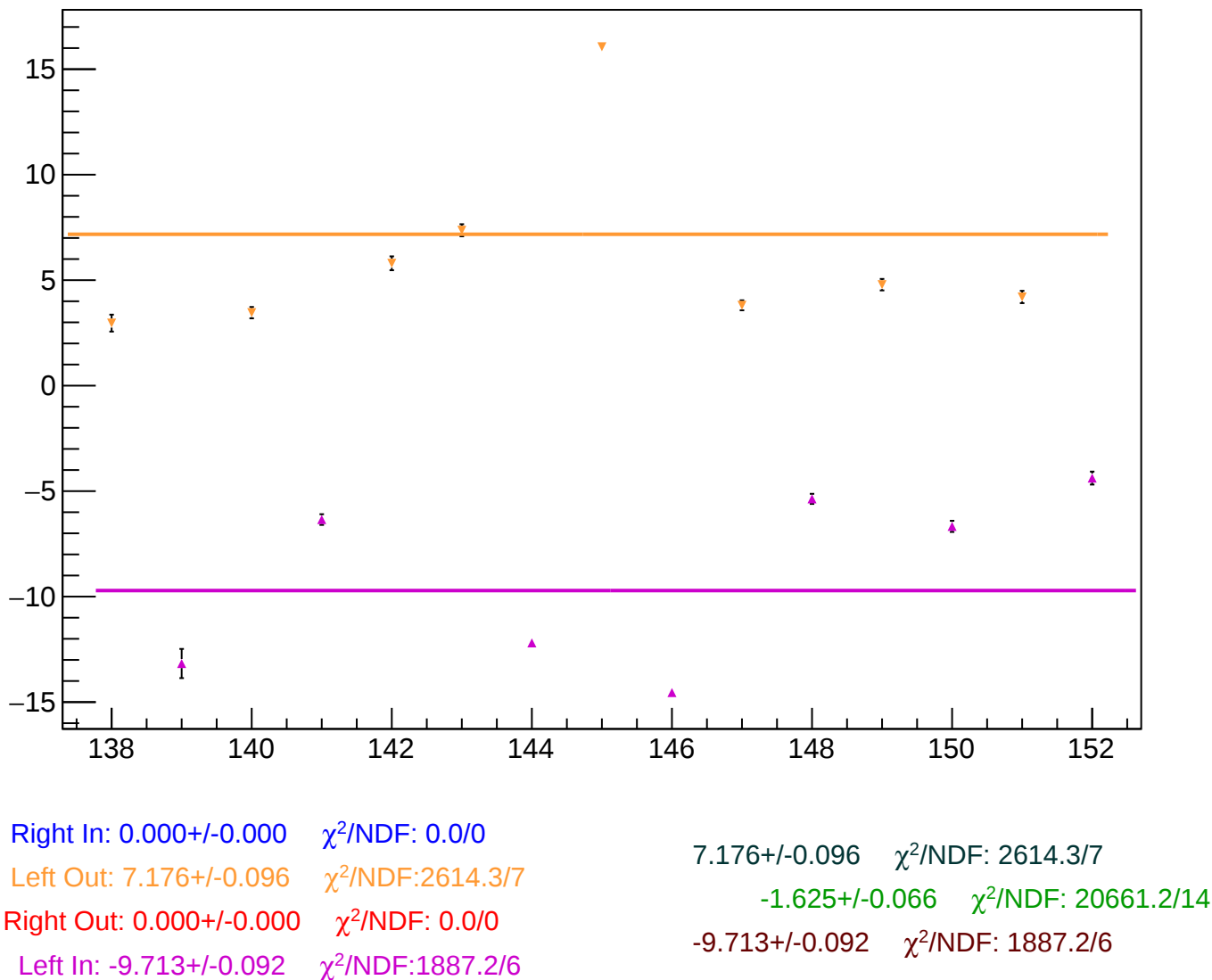
Left In: 24.085+/-0.111 χ^2/NDF : 2320.5/6

-24.993+/-0.116 χ^2/NDF : 934.9/7

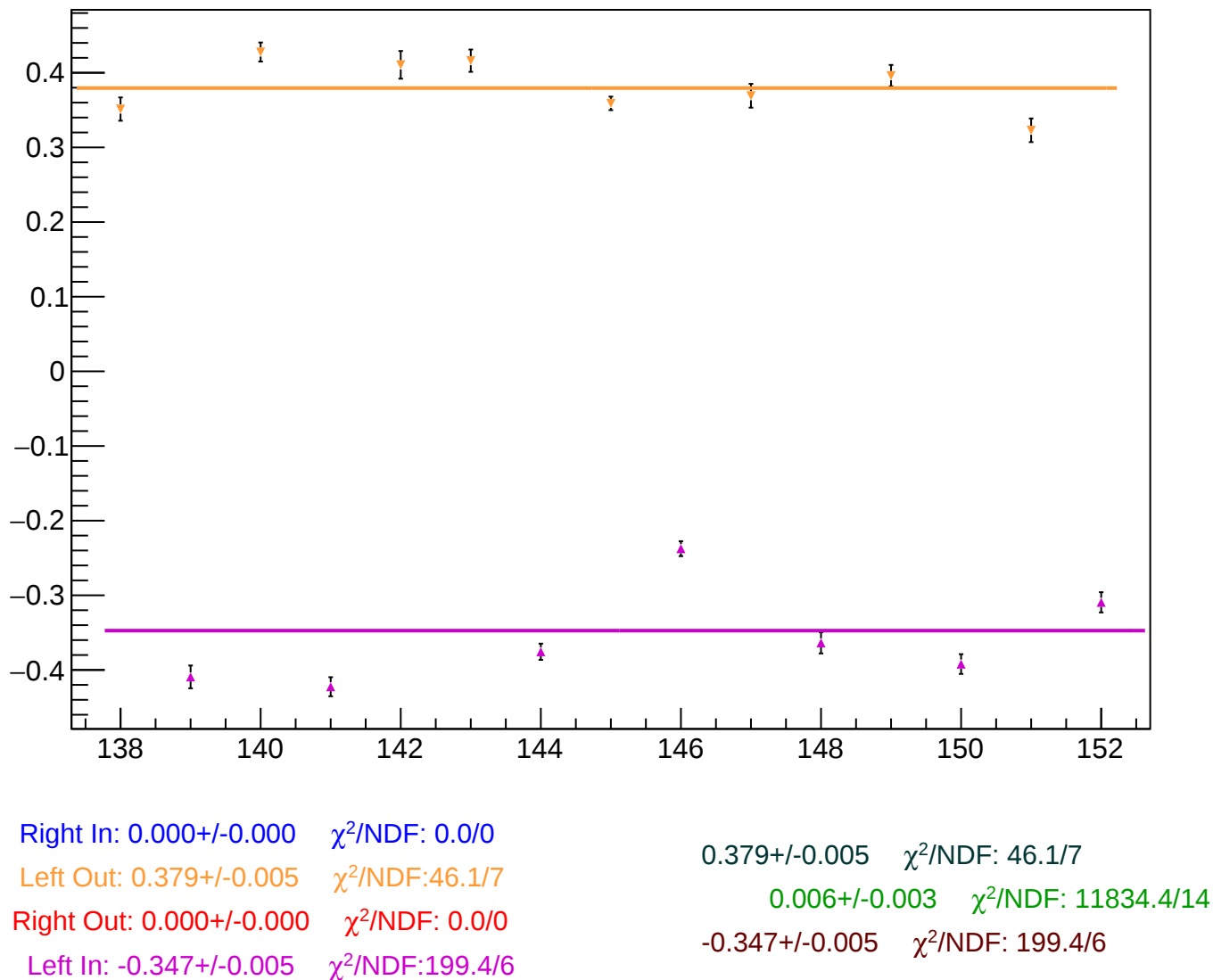
0.704+/-0.080 χ^2/NDF : 97033.0/14

24.085+/-0.111 χ^2/NDF : 2320.5/6

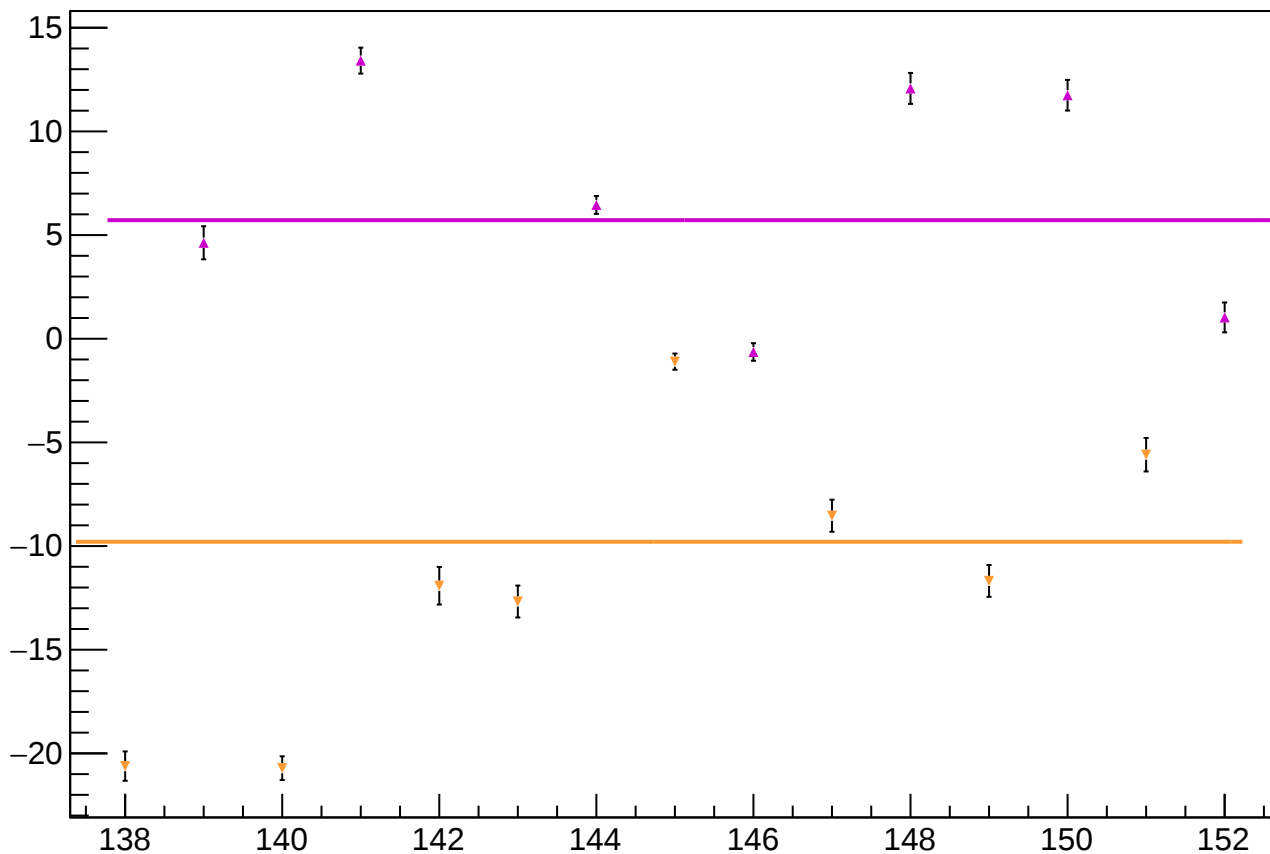
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

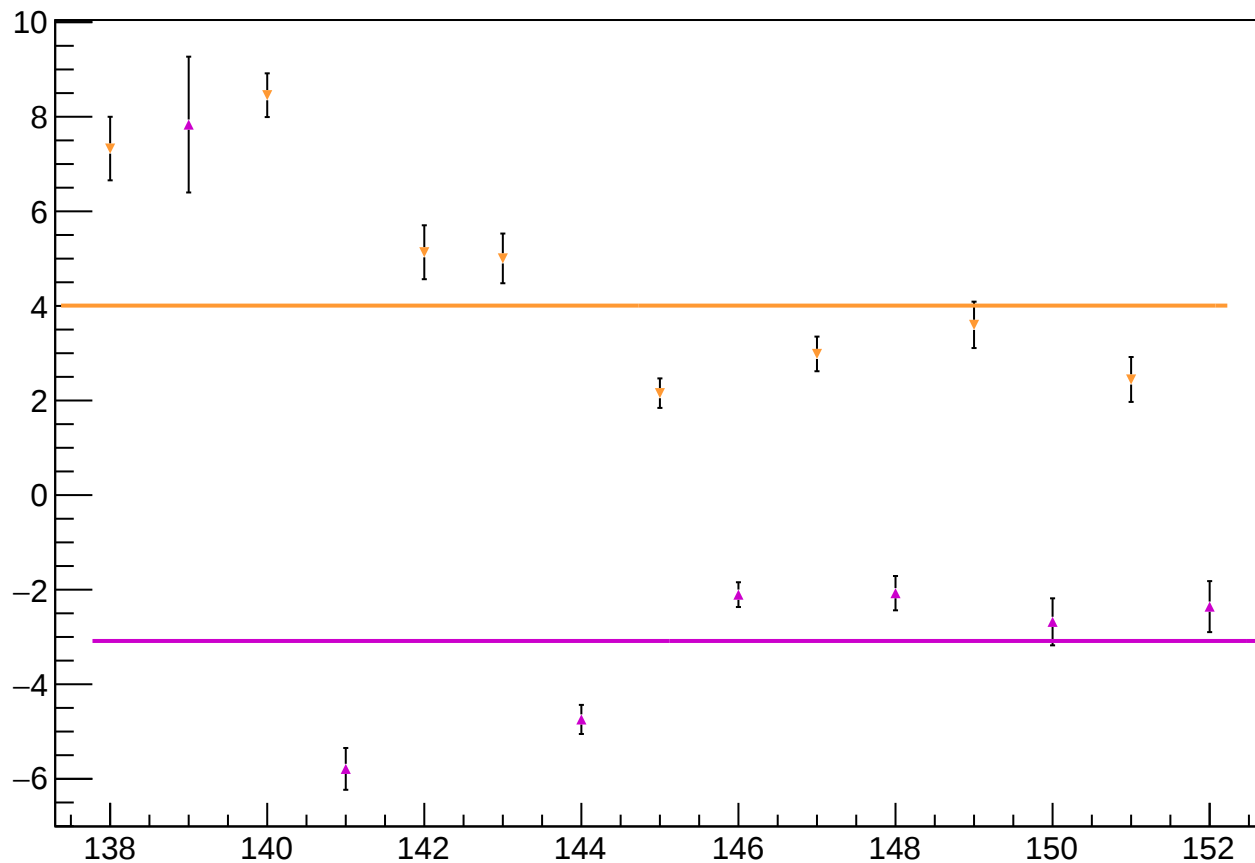
Left In: 5.719+/-0.220 χ^2/NDF : 562.1/6

-9.793+/-0.227 χ^2/NDF : 1149.7/7

-1.811+/-0.158 χ^2/NDF : 4117.3/14

5.719+/-0.220 χ^2/NDF : 562.1/6

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

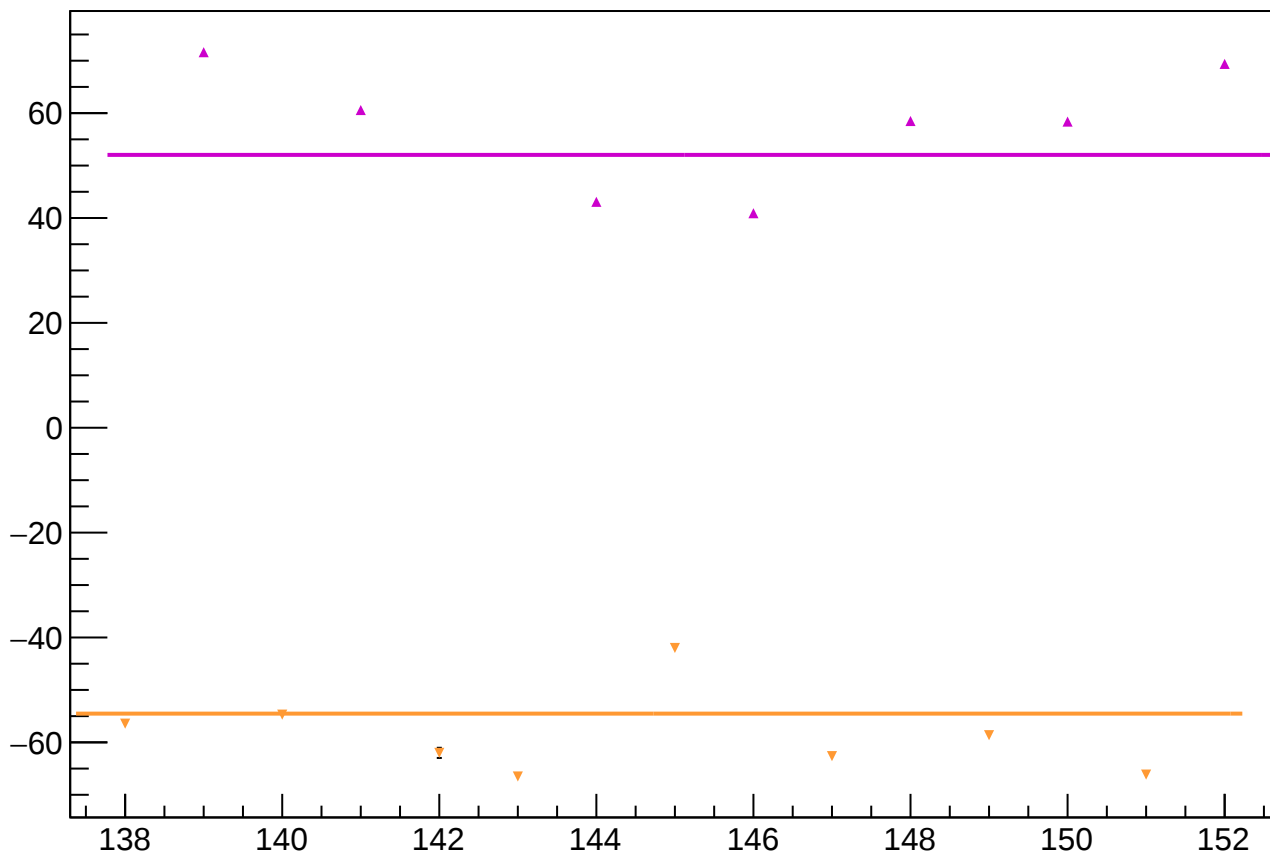
Left In: -3.084+/-0.148 χ^2/NDF :148.6/6

4.007+/-0.158 χ^2/NDF : 179.0/7

0.217+/-0.108 χ^2/NDF : 1400.2/14

-3.084+/-0.148 χ^2/NDF : 148.6/6

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

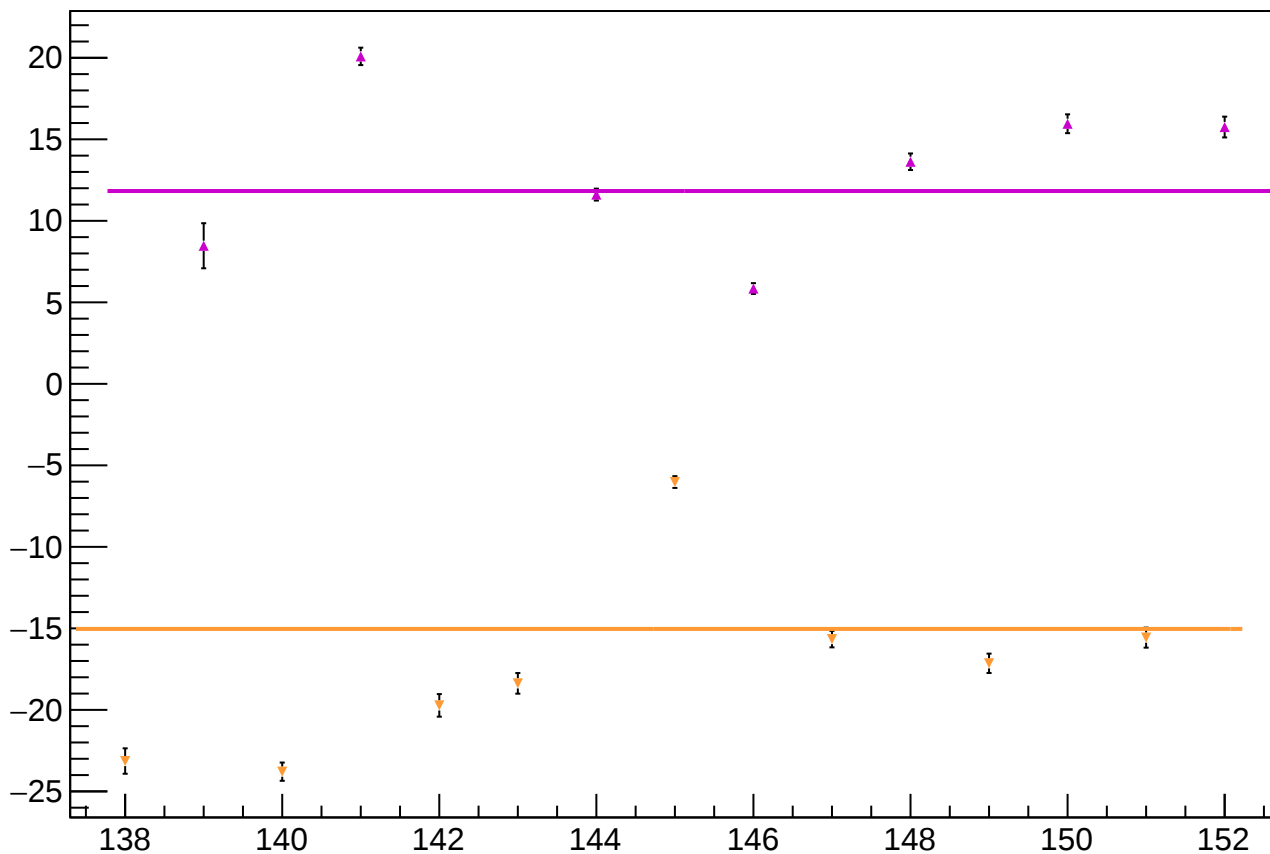
Left In: 52.036+/-0.221 χ^2/NDF : 2600.7/6

-54.520+/-0.234 χ^2/NDF : 1569.8/7

1.882+/-0.161 χ^2/NDF : 113826.7/14

52.036+/-0.221 χ^2/NDF : 2600.7/6

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

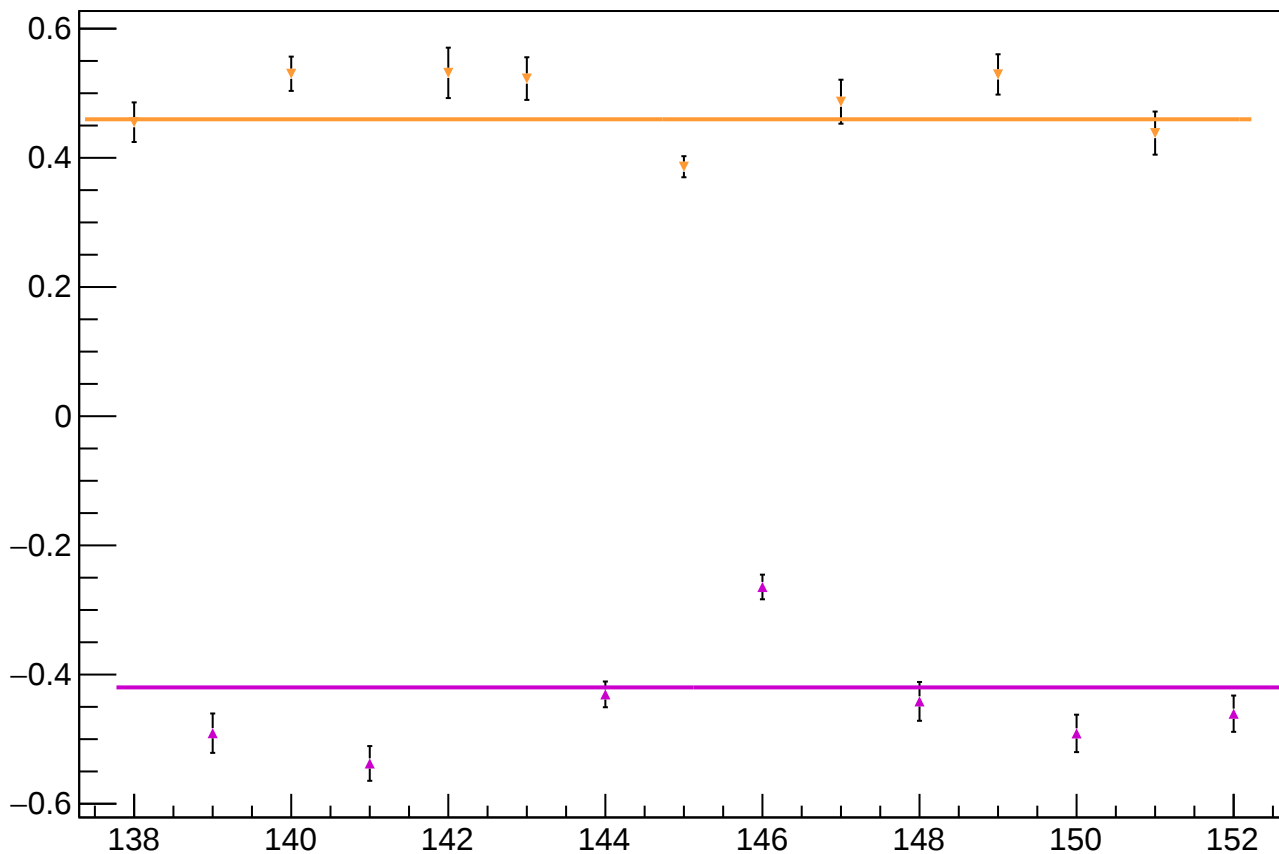
Left In: 11.829+/-0.183 χ^2/NDF : 673.4/6

-15.033+/-0.194 χ^2/NDF : 1064.6/7

-0.772+/-0.133 χ^2/NDF : 11885.1/14

11.829+/-0.183 χ^2/NDF : 673.4/6

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: 0.460 $\pm$ 0.010 χ^2 /NDF: 40.4/7

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

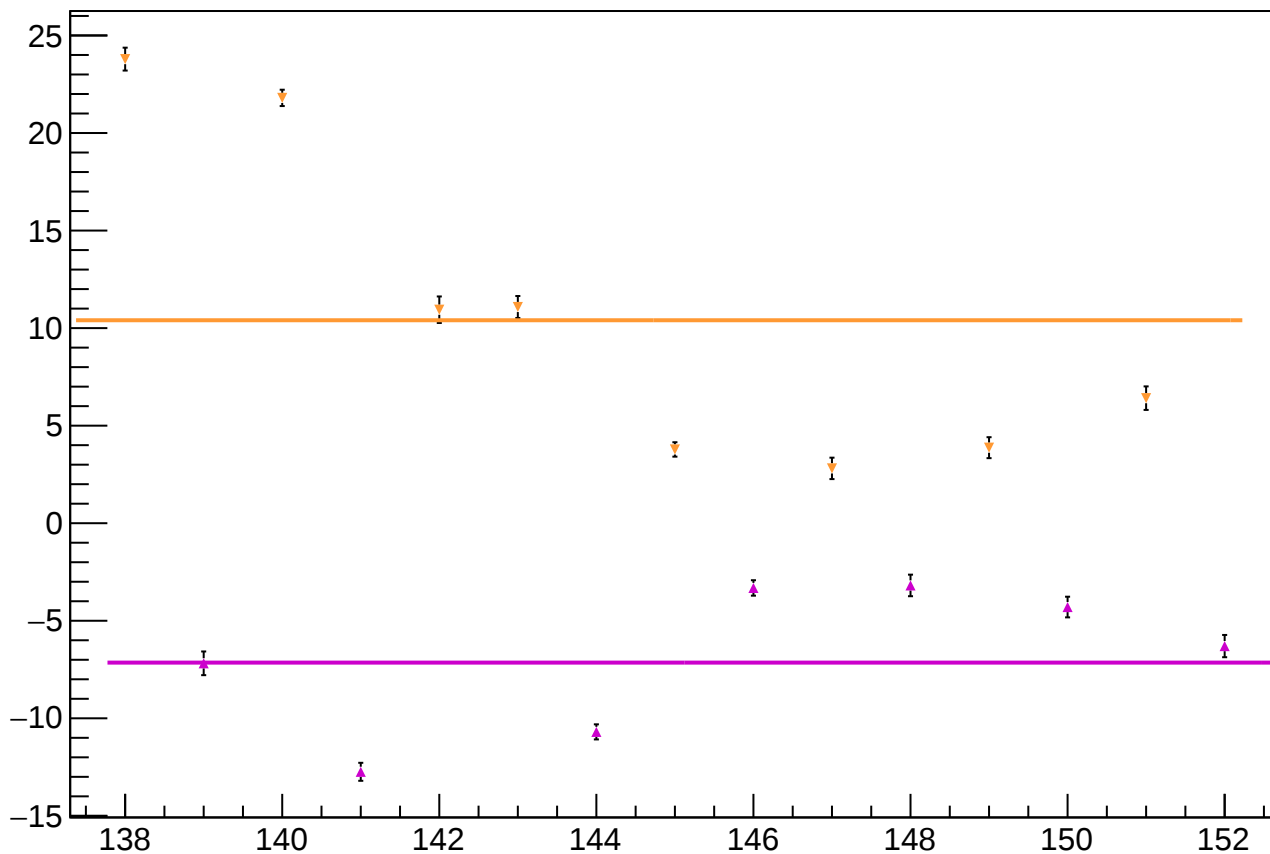
Left In: -0.420 $\pm$ 0.009 χ^2 /NDF: 99.9/6

0.460 $\pm$ 0.010 χ^2 /NDF: 40.4/7

0.006 $\pm$ 0.007 χ^2 /NDF: 4370.2/14

-0.420 $\pm$ 0.009 χ^2 /NDF: 99.9/6

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

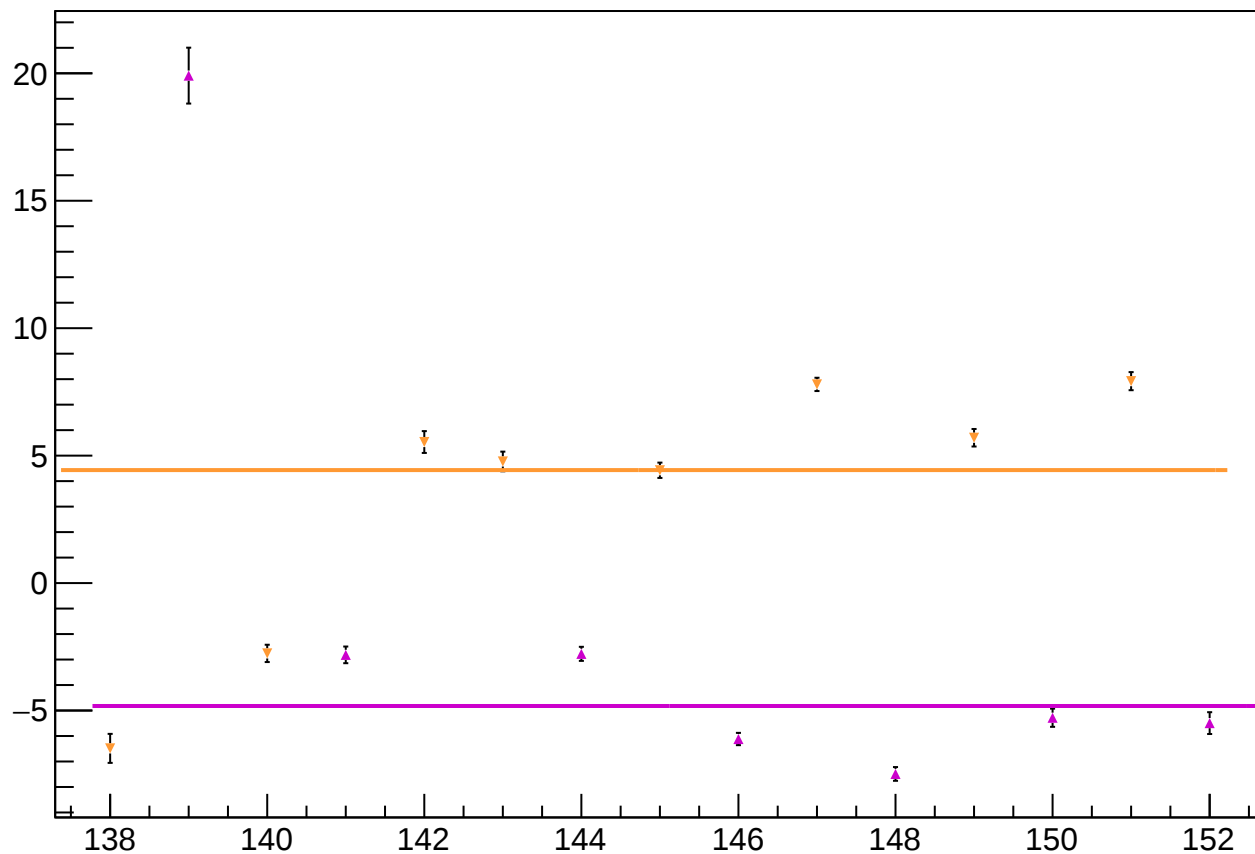
Left In: -7.145+/-0.181 χ^2/NDF : 407.4/6

10.403+/-0.180 χ^2/NDF : 1969.4/7

1.688+/-0.128 χ^2/NDF : 7087.8/14

-7.145+/-0.181 χ^2/NDF : 407.4/6

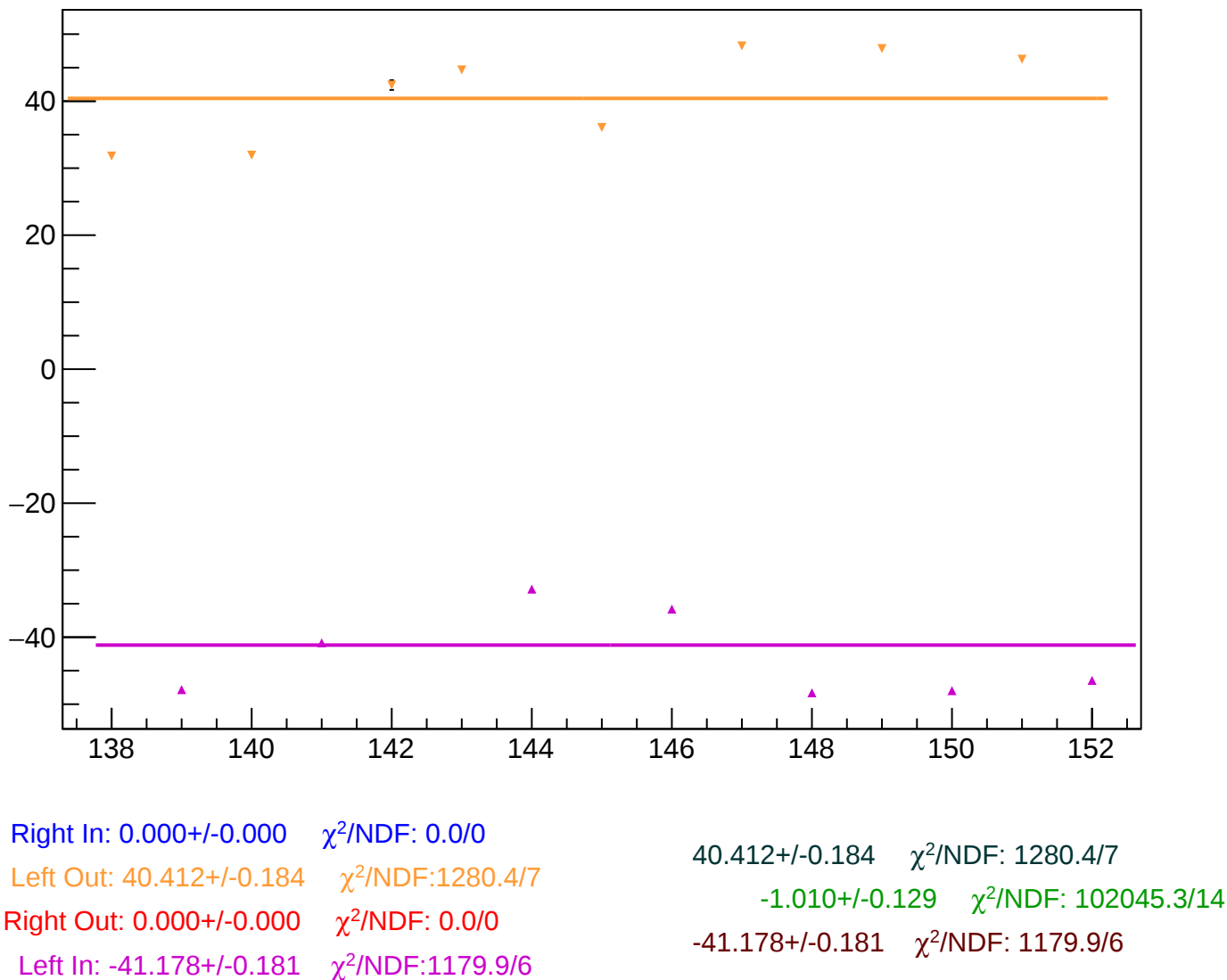
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



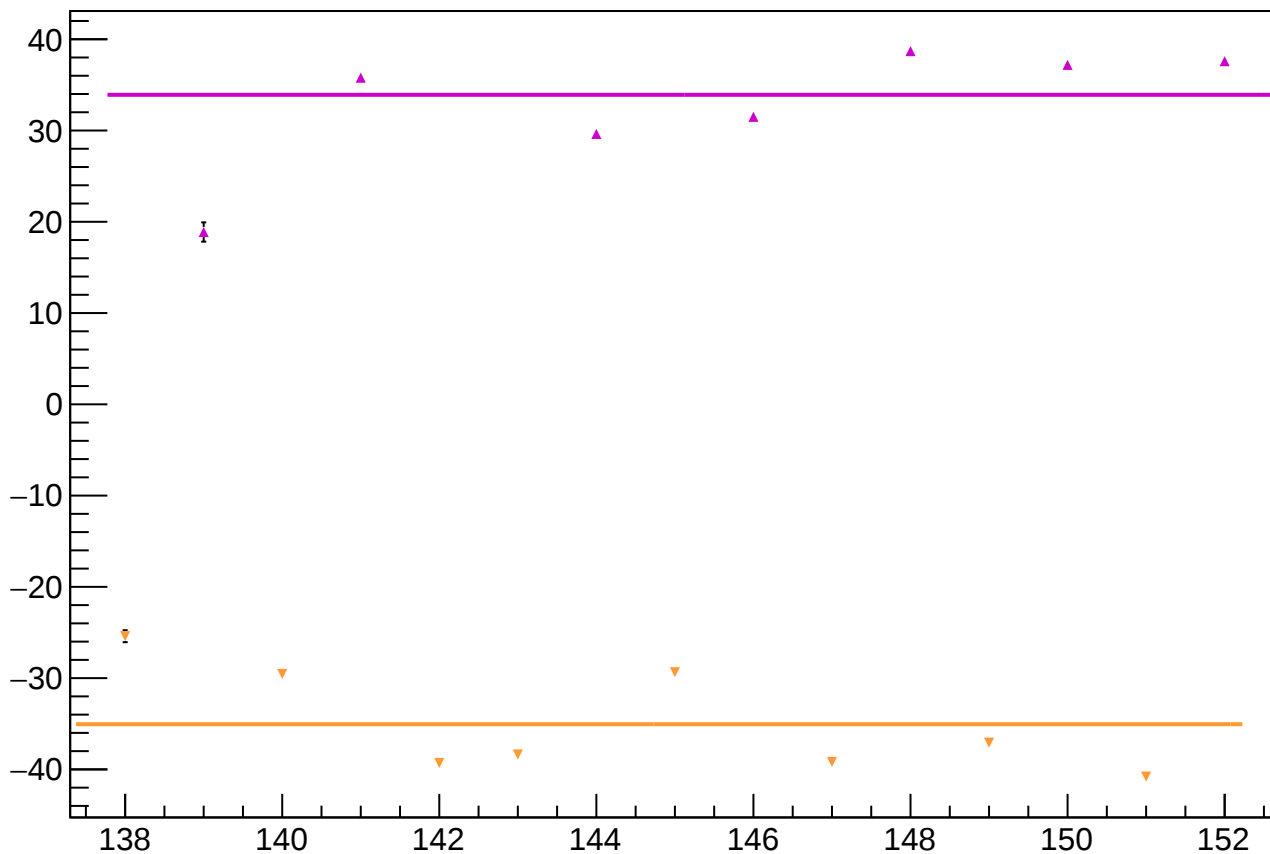
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 4.433+/-0.123 χ^2/NDF : 1100.5/7
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -4.822+/-0.122 χ^2/NDF : 732.2/6

4.433+/-0.123 χ^2/NDF : 1100.5/7
 -0.246+/-0.086 χ^2/NDF : 4695.4/14
 -4.822+/-0.122 χ^2/NDF : 732.2/6

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

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

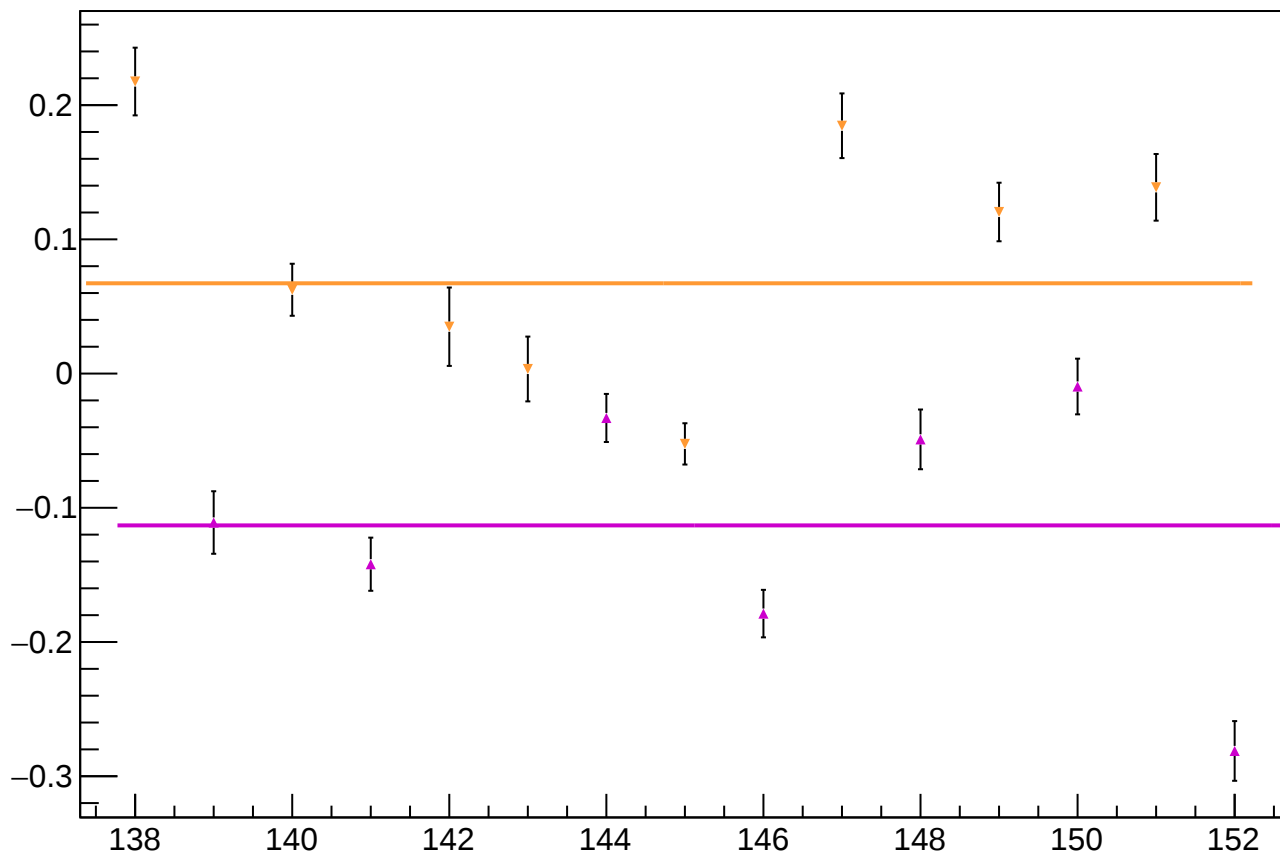
Left In: 33.913+/-0.150 χ^2/NDF : 737.1/6

-35.046+/-0.152 χ^2/NDF : 1097.0/7

-0.186+/-0.107 χ^2/NDF : 105805.3/14

33.913+/-0.150 χ^2/NDF : 737.1/6

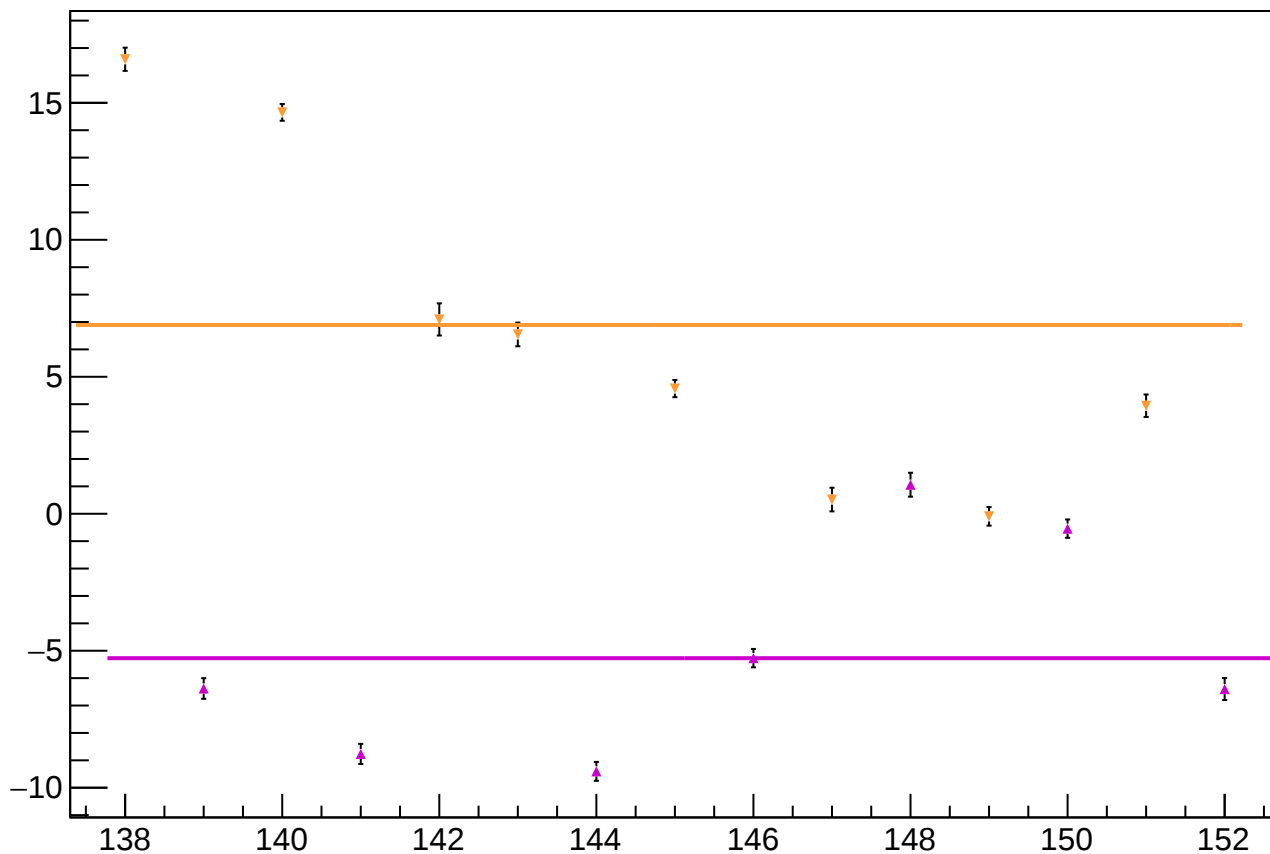
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: -0.113 $\pm$ 0.008 χ^2 /NDF:126.2/6

0.067 $\pm$ 0.008 χ^2 /NDF: 142.3/7
 -0.024 $\pm$ 0.005 χ^2 /NDF: 543.9/14
 -0.113 $\pm$ 0.008 χ^2 /NDF: 126.2/6

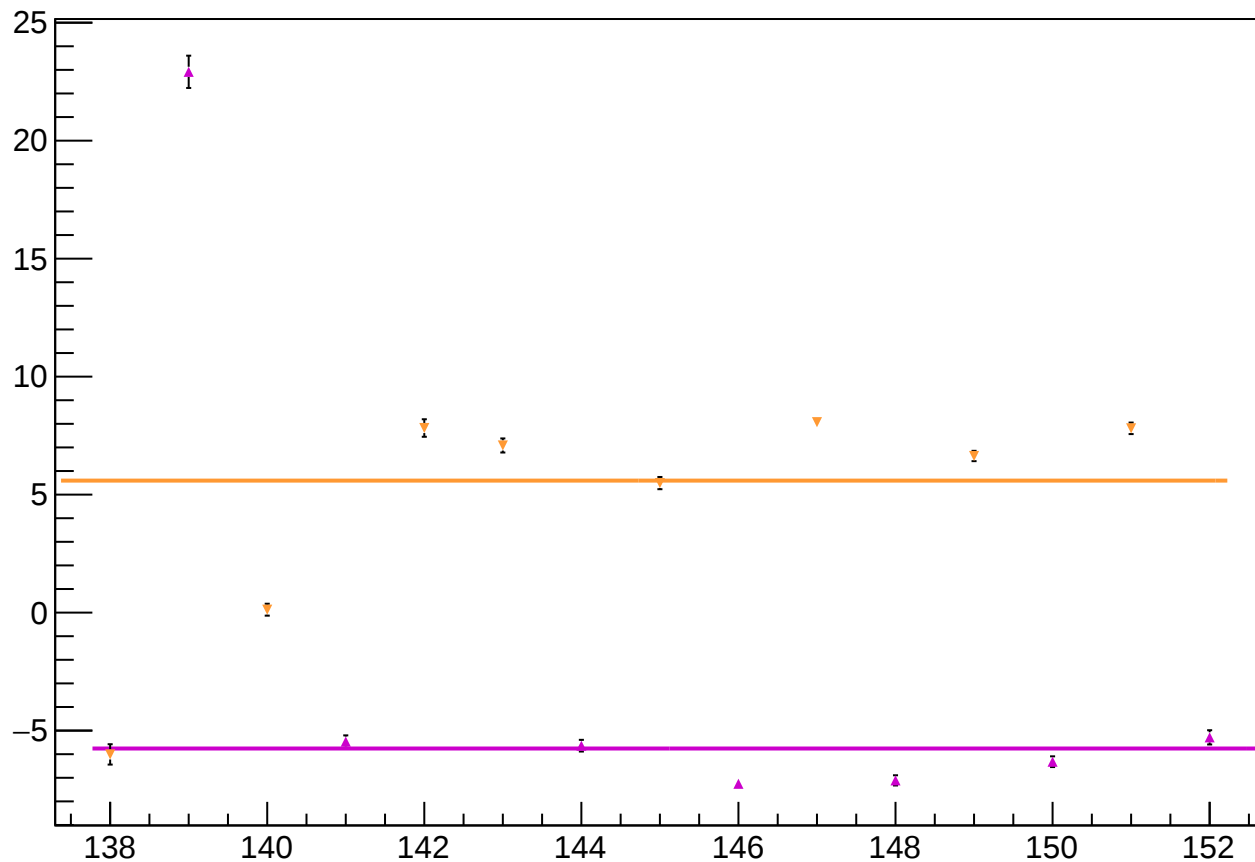
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: 6.890 ± 0.135 χ^2/NDF : 1919.7/7
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -5.272 ± 0.139 χ^2/NDF : 659.6/6

6.890 ± 0.135 χ^2/NDF : 1919.7/7
 0.959 ± 0.097 χ^2/NDF : 6526.8/14
 -5.272 ± 0.139 χ^2/NDF : 659.6/6

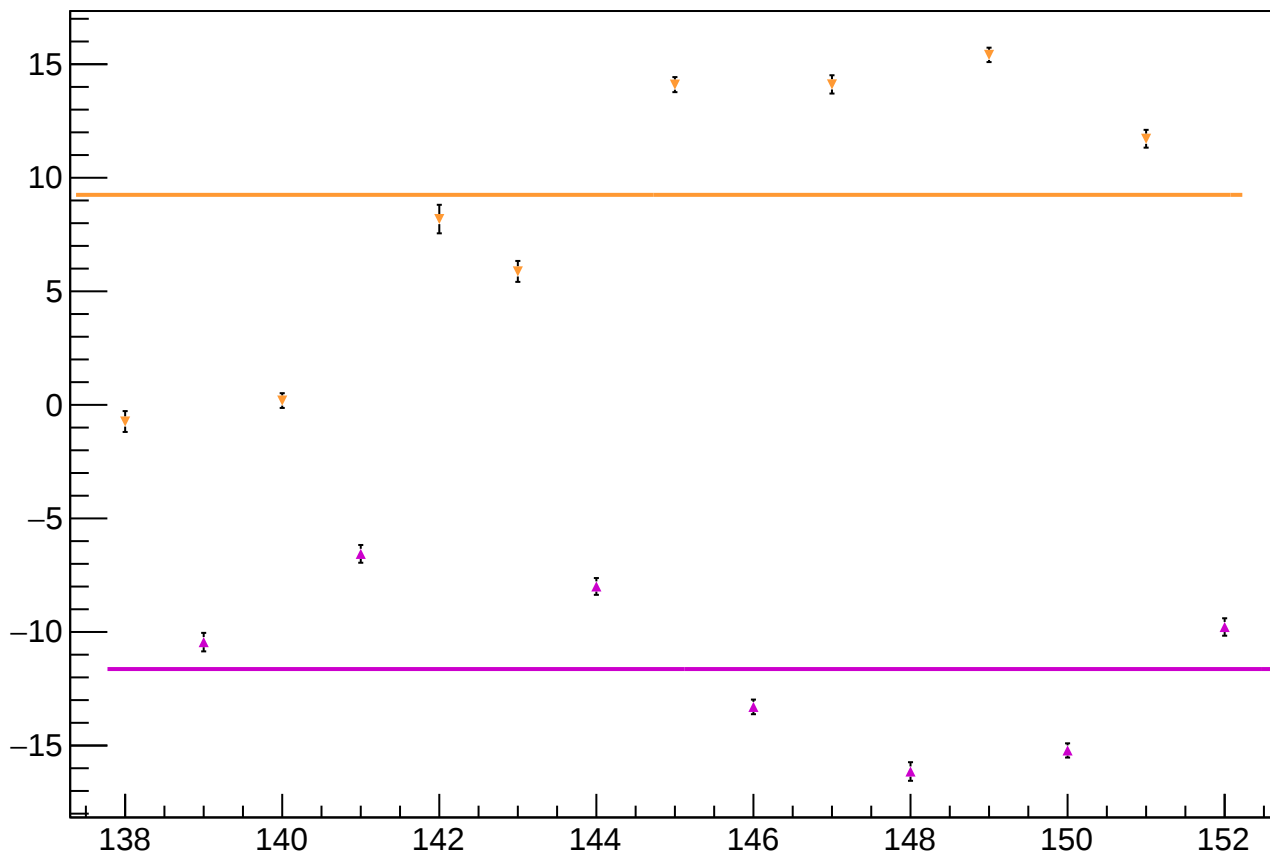
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.594+/-0.093 χ^2/NDF :1500.5/7
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -5.759+/-0.097 χ^2/NDF :1854.0/6

5.594+/-0.093 χ^2/NDF : 1500.5/7
 0.141+/-0.067 χ^2/NDF : 10499.9/14
 -5.759+/-0.097 χ^2/NDF : 1854.0/6

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

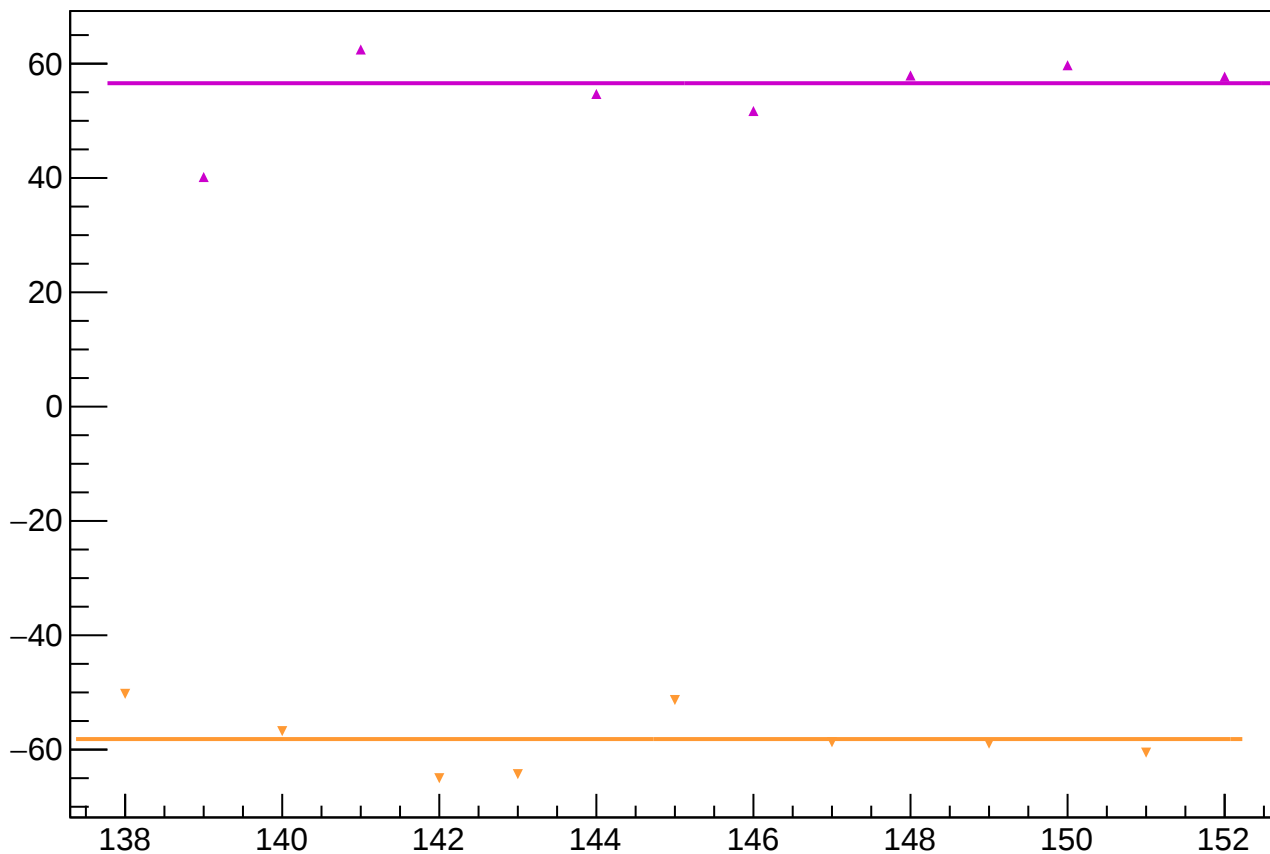
Left In: -11.632+/-0.138 χ^2/NDF : 575.7/6

9.248+/-0.137 χ^2/NDF : 2081.2/7

-1.125+/-0.097 χ^2/NDF : 14164.6/14

-11.632+/-0.138 χ^2/NDF : 575.7/6

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

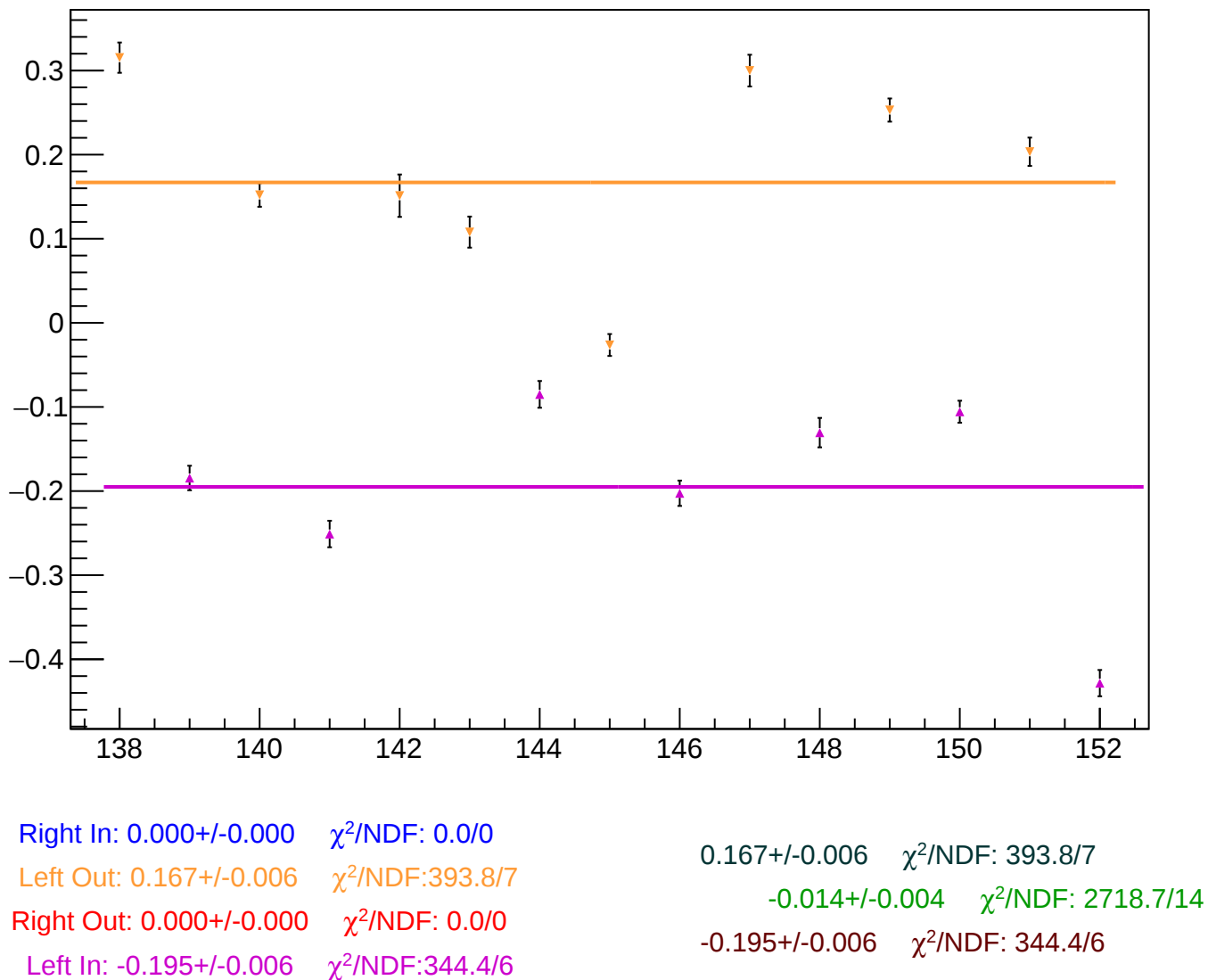
Left In: 56.580+/-0.118 χ^2/NDF : 1519.9/6

-58.159+/-0.115 χ^2/NDF : 1405.9/7

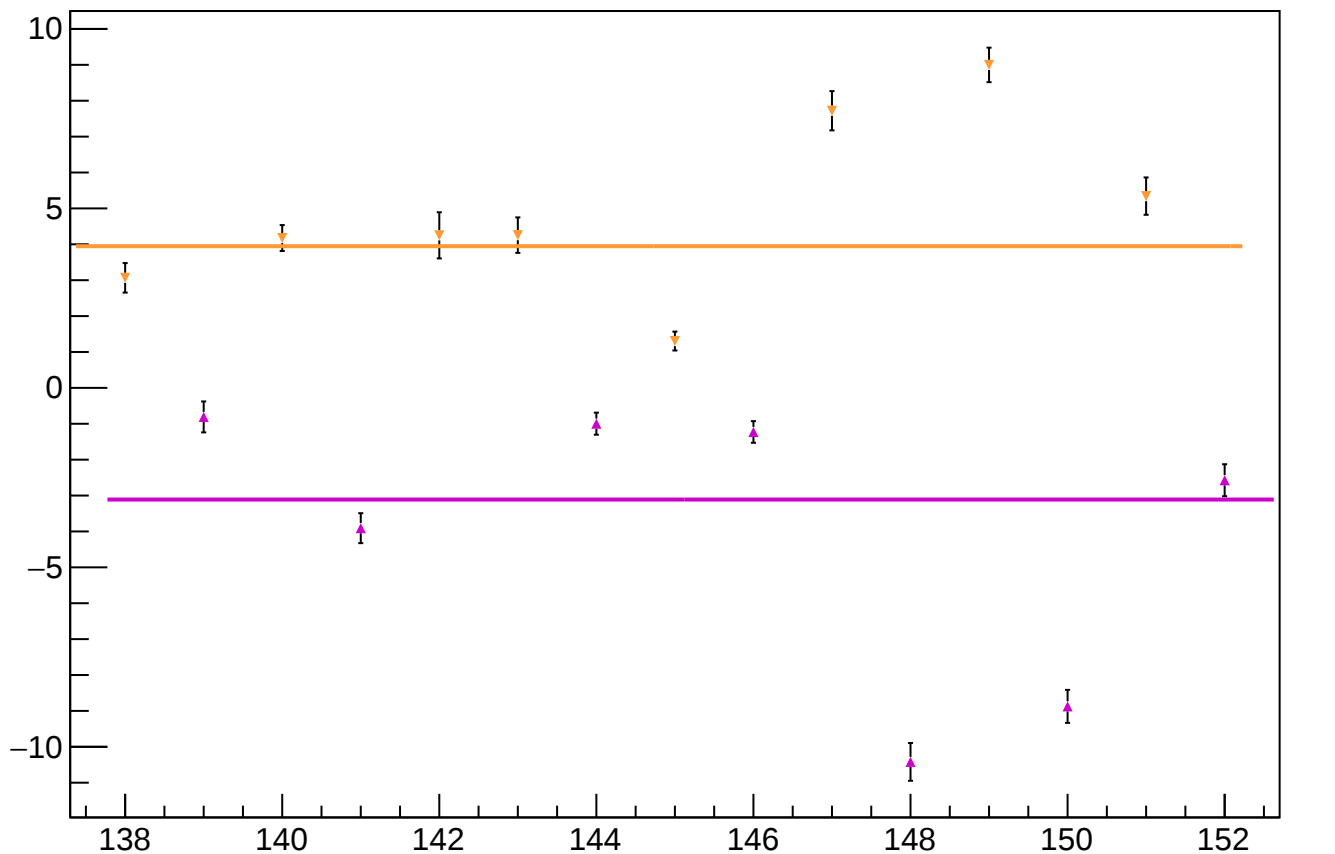
-2.493+/-0.082 χ^2/NDF : 489279.1/14

56.580+/-0.118 χ^2/NDF : 1519.9/6

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



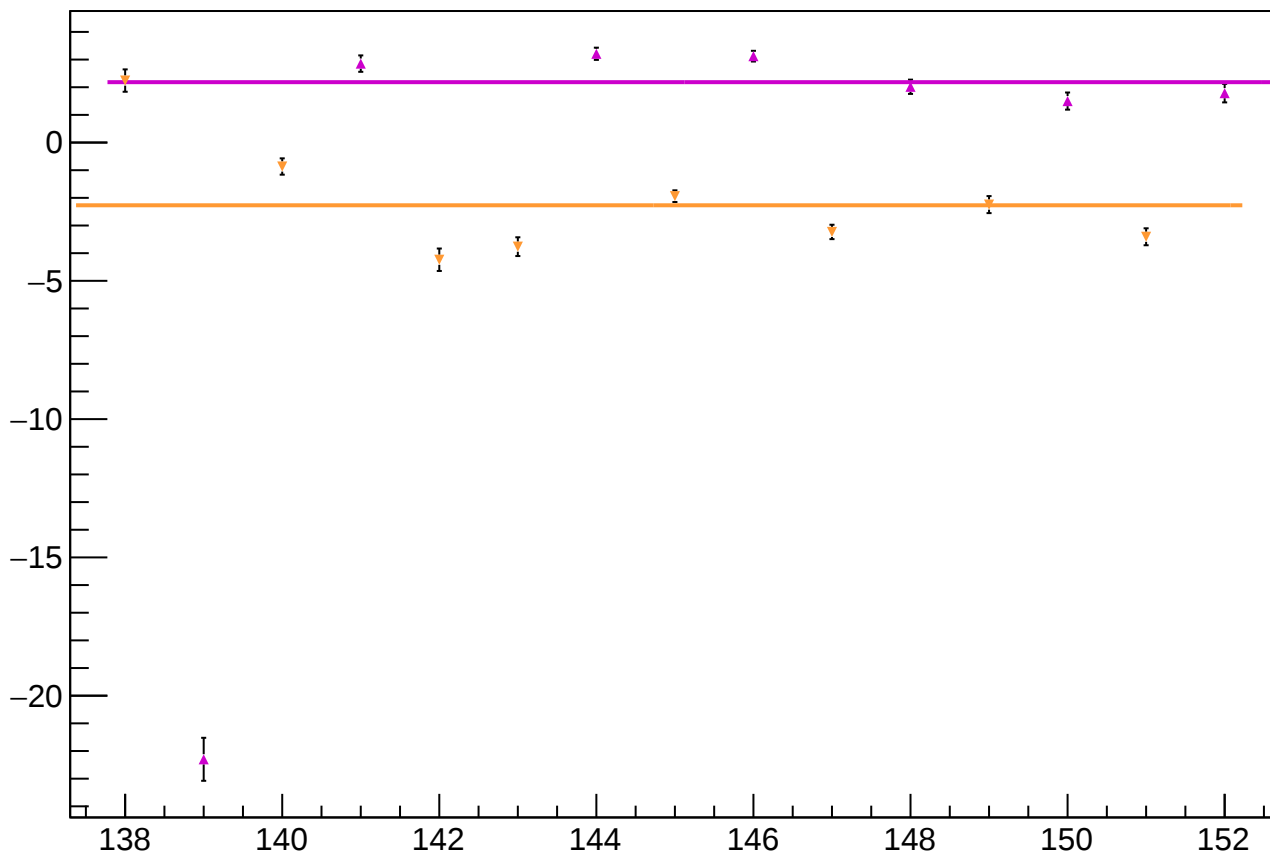
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.947 $\pm$ 0.148 χ^2 /NDF: 271.9/7
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -3.111 $\pm$ 0.147 χ^2 /NDF: 469.5/6

3.947 $\pm$ 0.148 χ^2 /NDF: 271.9/7
 0.413 $\pm$ 0.104 χ^2 /NDF: 1887.4/14
 -3.111 $\pm$ 0.147 χ^2 /NDF: 469.5/6

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

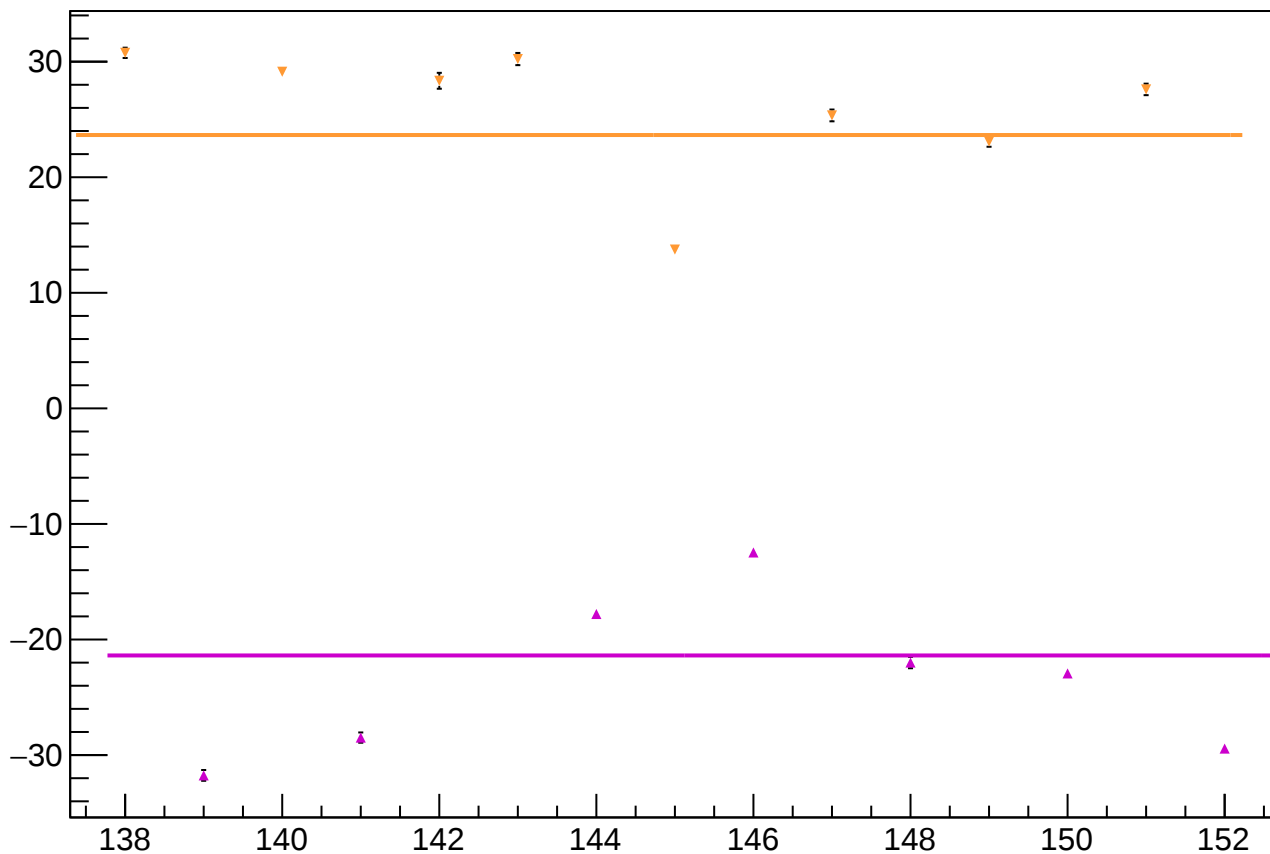
Left In: 2.183+/-0.103 χ^2/NDF : 1049.4/6

-2.268+/-0.105 χ^2/NDF : 220.0/7

0.003+/-0.073 χ^2/NDF : 2186.9/14

2.183+/-0.103 χ^2/NDF : 1049.4/6

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

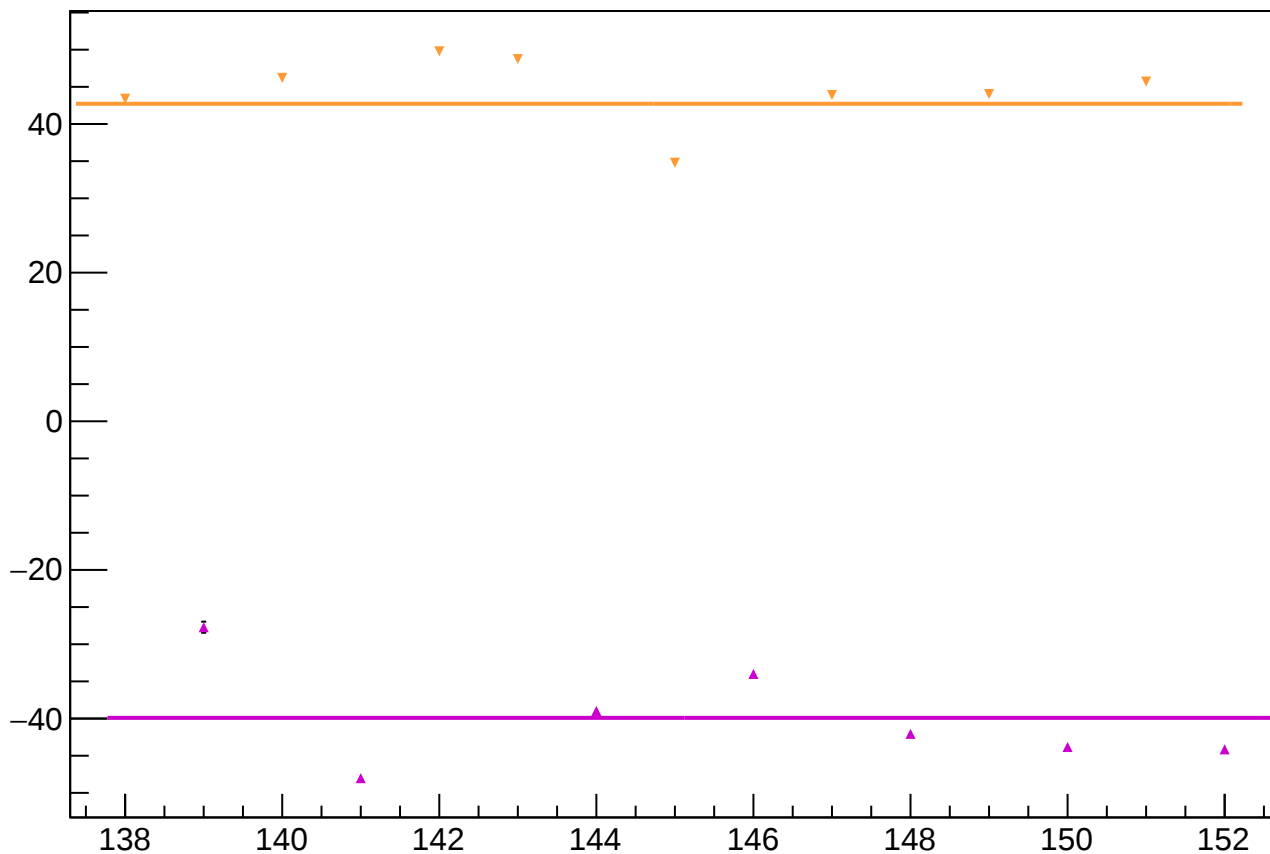
Left In: -21.379+/-0.148 χ^2/NDF :2184.9/6

23.652+/-0.152 χ^2/NDF : 1984.9/7

0.454+/-0.106 χ^2/NDF : 49160.3/14

-21.379+/-0.148 χ^2/NDF : 2184.9/6

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

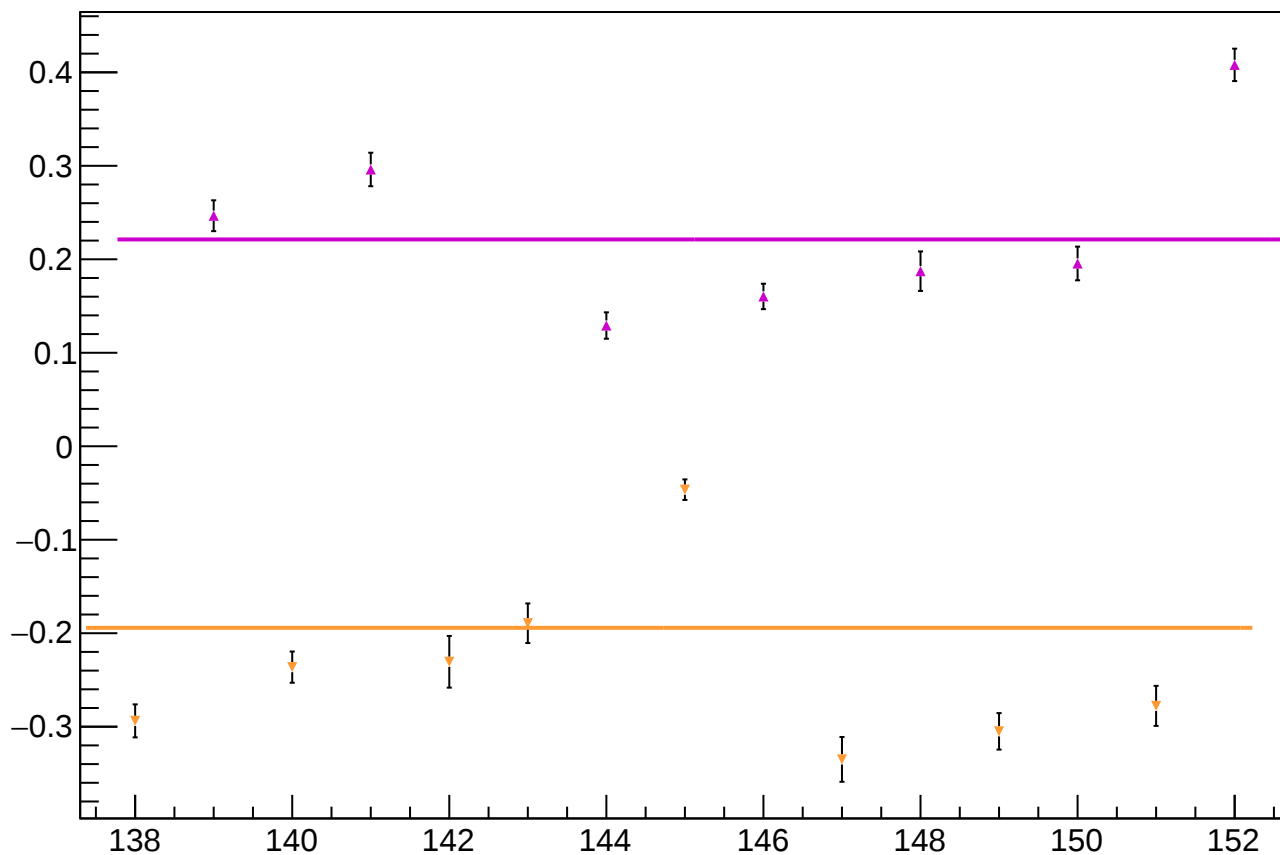
Left In: -39.905+/-0.126 χ^2/NDF : 1667.0/6

42.723+/-0.128 χ^2/NDF : 1658.4/7

0.548+/-0.090 χ^2/NDF : 215461.1/14

-39.905+/-0.126 χ^2/NDF : 1667.0/6

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

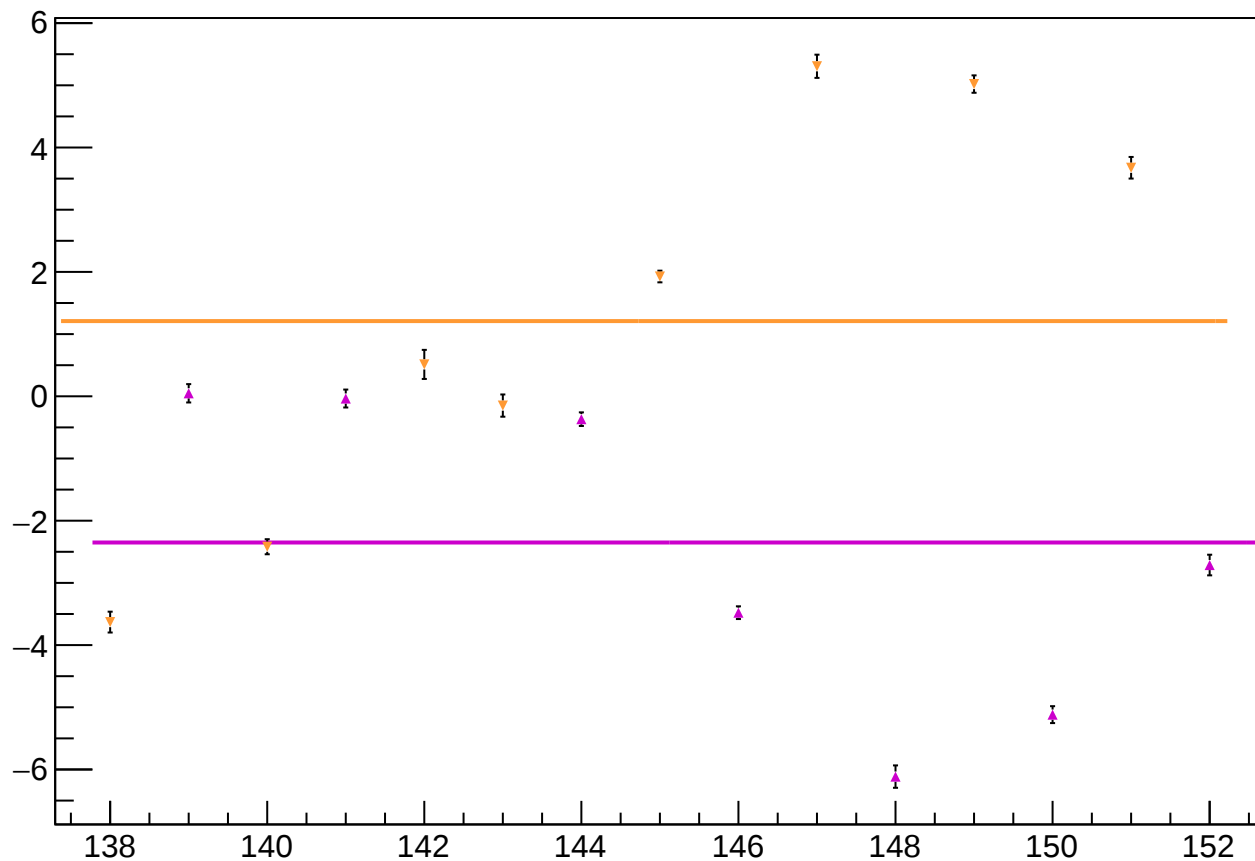
Left In: 0.221 $\pm$ 0.006 χ^2 /NDF: 203.1/6

-0.194 $\pm$ 0.006 χ^2 /NDF: 302.8/7

0.016 $\pm$ 0.004 χ^2 /NDF: 2707.7/14

0.221 $\pm$ 0.006 χ^2 /NDF: 203.1/6

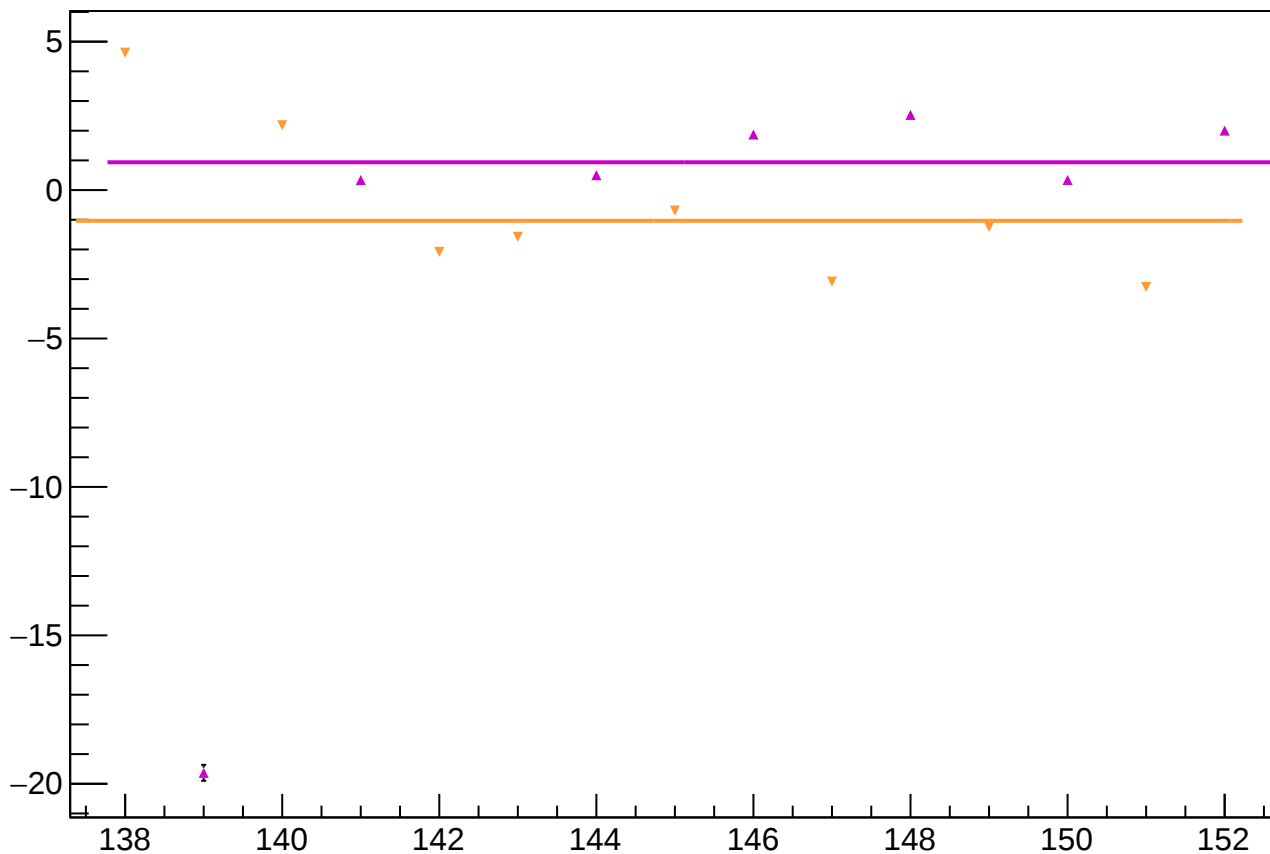
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: -2.351 $\pm$ 0.050 χ^2 /NDF: 1828.4/6

1.209 $\pm$ 0.051 χ^2 /NDF: 3281.0/7
 -0.605 $\pm$ 0.036 χ^2 /NDF: 7560.5/14
 -2.351 $\pm$ 0.050 χ^2 /NDF: 1828.4/6

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

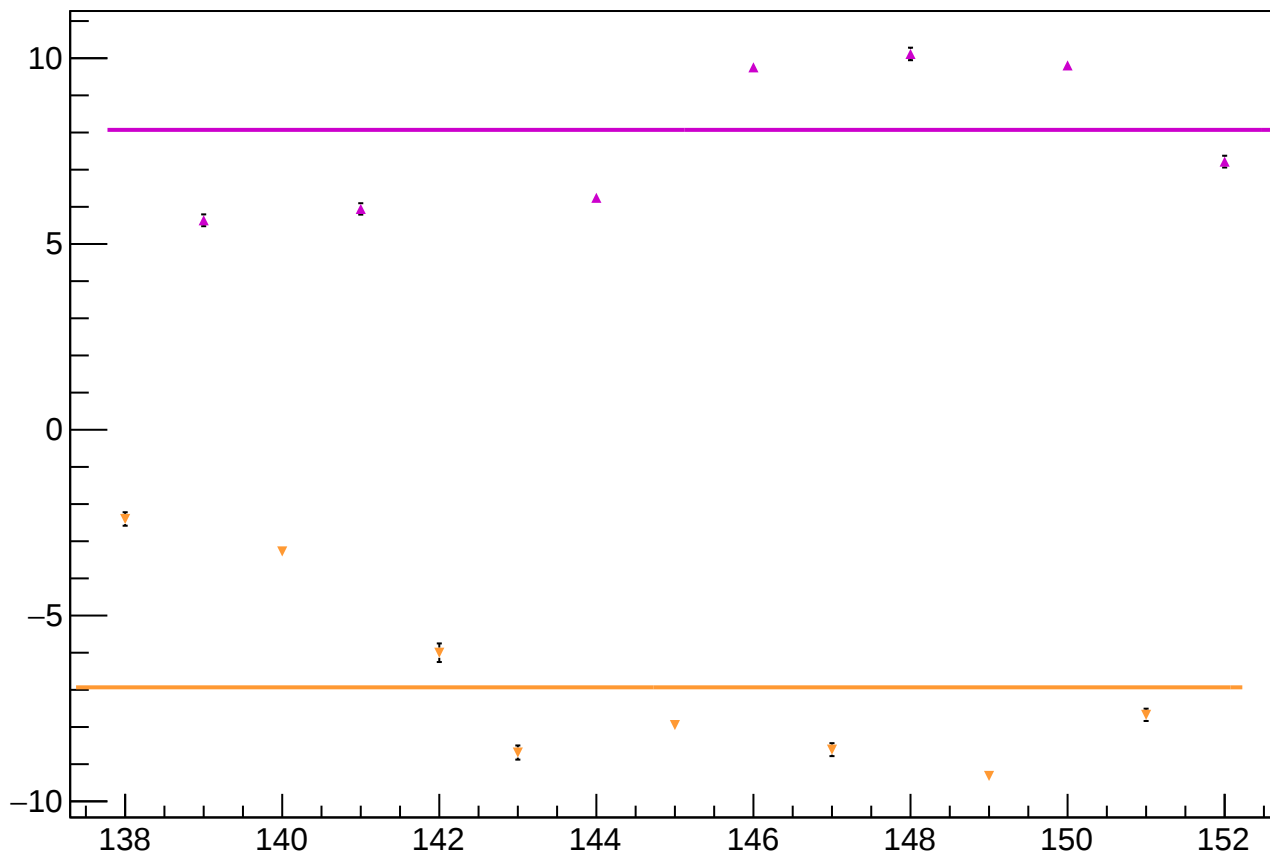
Left In: 0.936+/-0.035 χ^2/NDF : 6543.3/6

-1.034+/-0.036 χ^2/NDF : 3244.0/7

-0.021+/-0.025 χ^2/NDF : 11303.3/14

0.936+/-0.035 χ^2/NDF : 6543.3/6

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

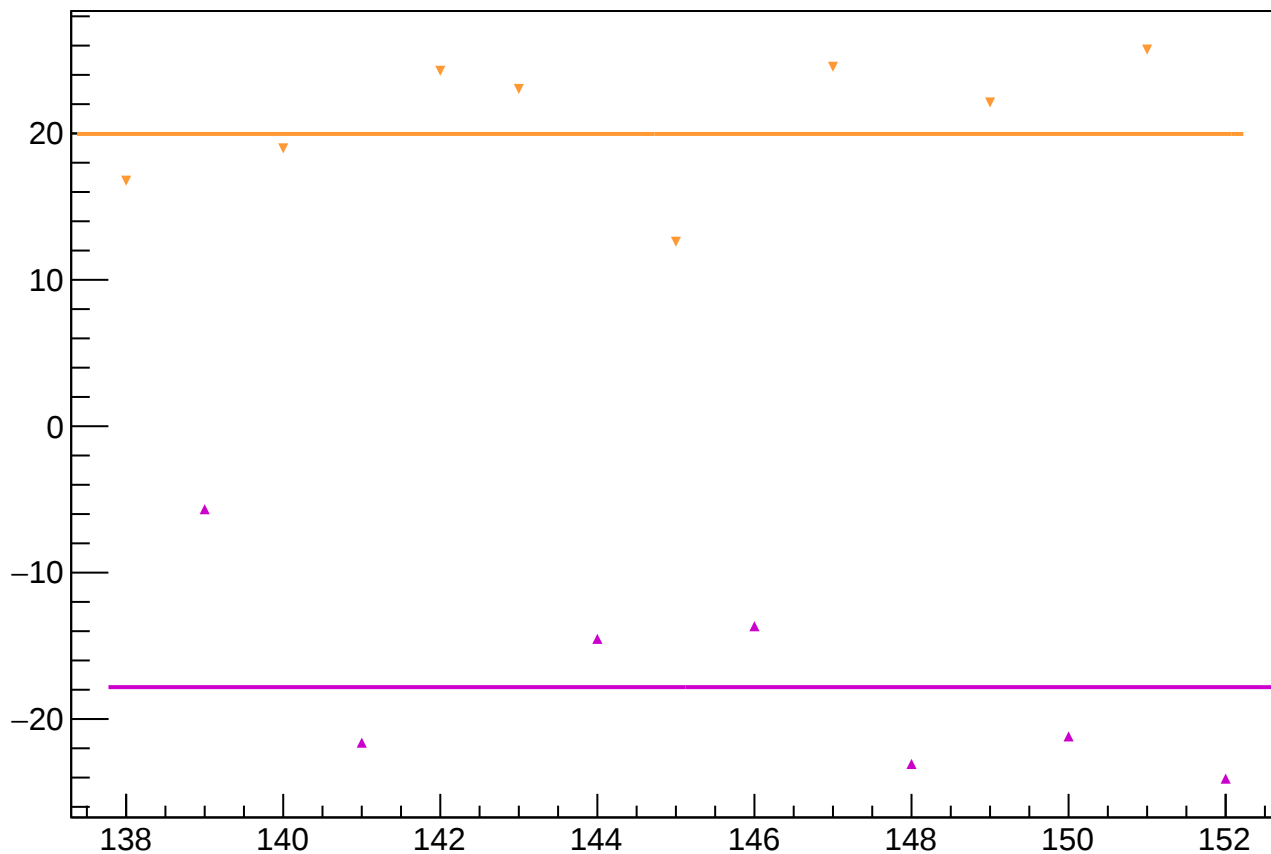
Left In: 8.071+/-0.050 χ^2/NDF : 1321.9/6

-6.932+/-0.053 χ^2/NDF : 2072.5/7

0.886+/-0.036 χ^2/NDF : 45887.0/14

8.071+/-0.050 χ^2/NDF : 1321.9/6

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 19.965+/-0.044 χ^2/NDF : 12029.7/7

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

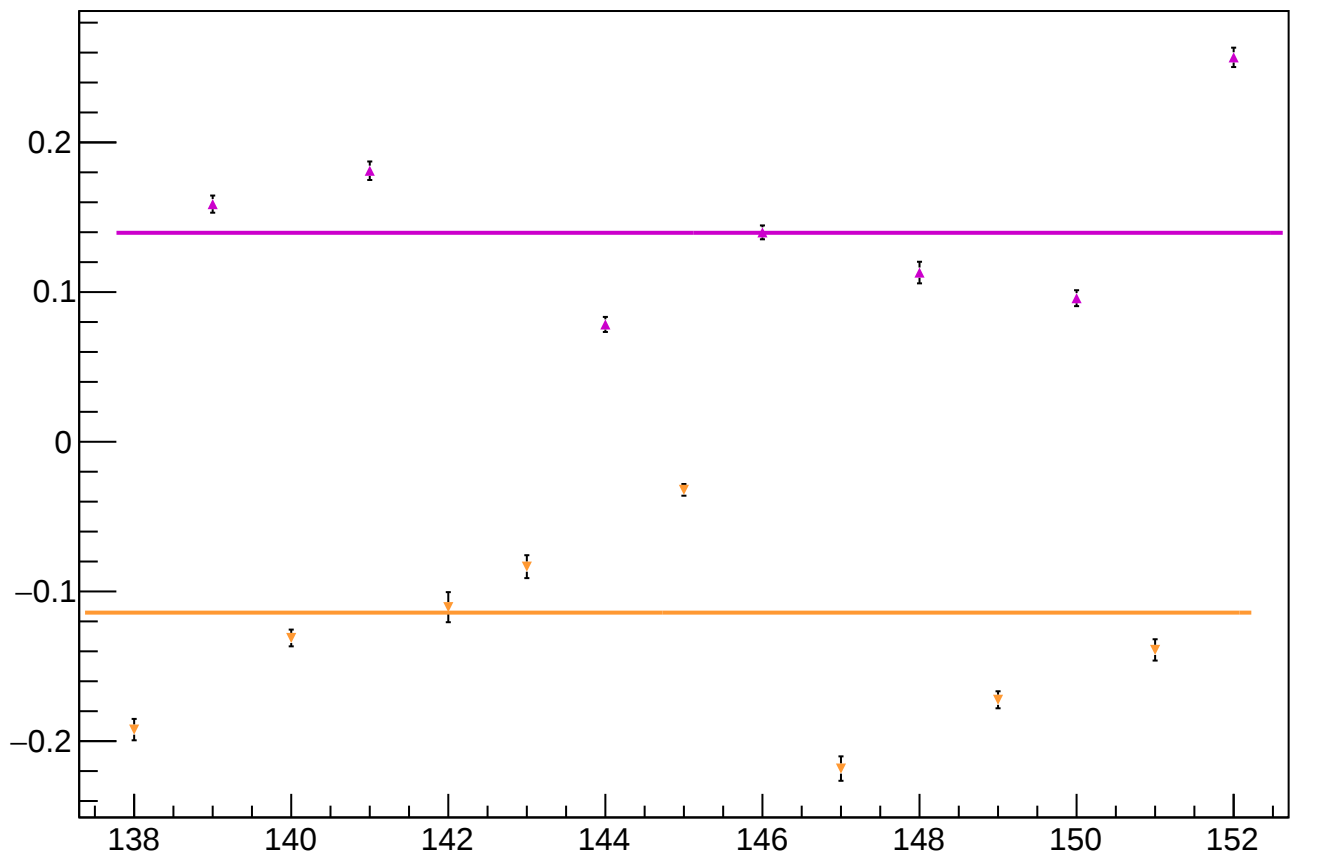
Left In: -17.822+/-0.043 χ^2/NDF : 11553.2/6

19.965+/-0.044 χ^2/NDF : 12029.7/7

0.474+/-0.031 χ^2/NDF : 399039.9/14

-17.822+/-0.043 χ^2/NDF : 11553.2/6

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: -0.114 $\pm$ 0.002 χ^2 /NDF: 865.8/7

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

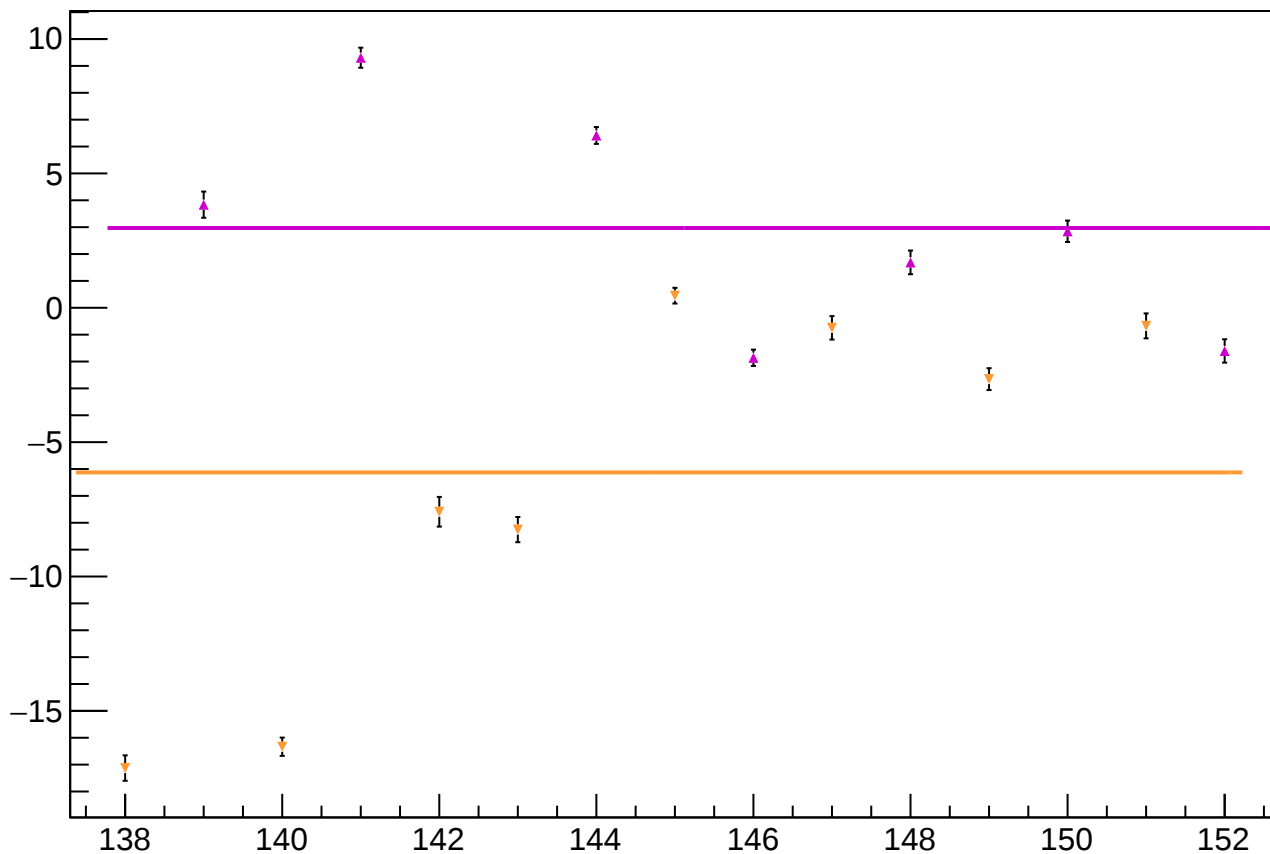
Left In: 0.140 $\pm$ 0.002 χ^2 /NDF: 613.4/6

-0.114 $\pm$ 0.002 χ^2 /NDF: 865.8/7

0.016 $\pm$ 0.002 χ^2 /NDF: 8410.2/14

0.140 $\pm$ 0.002 χ^2 /NDF: 613.4/6

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

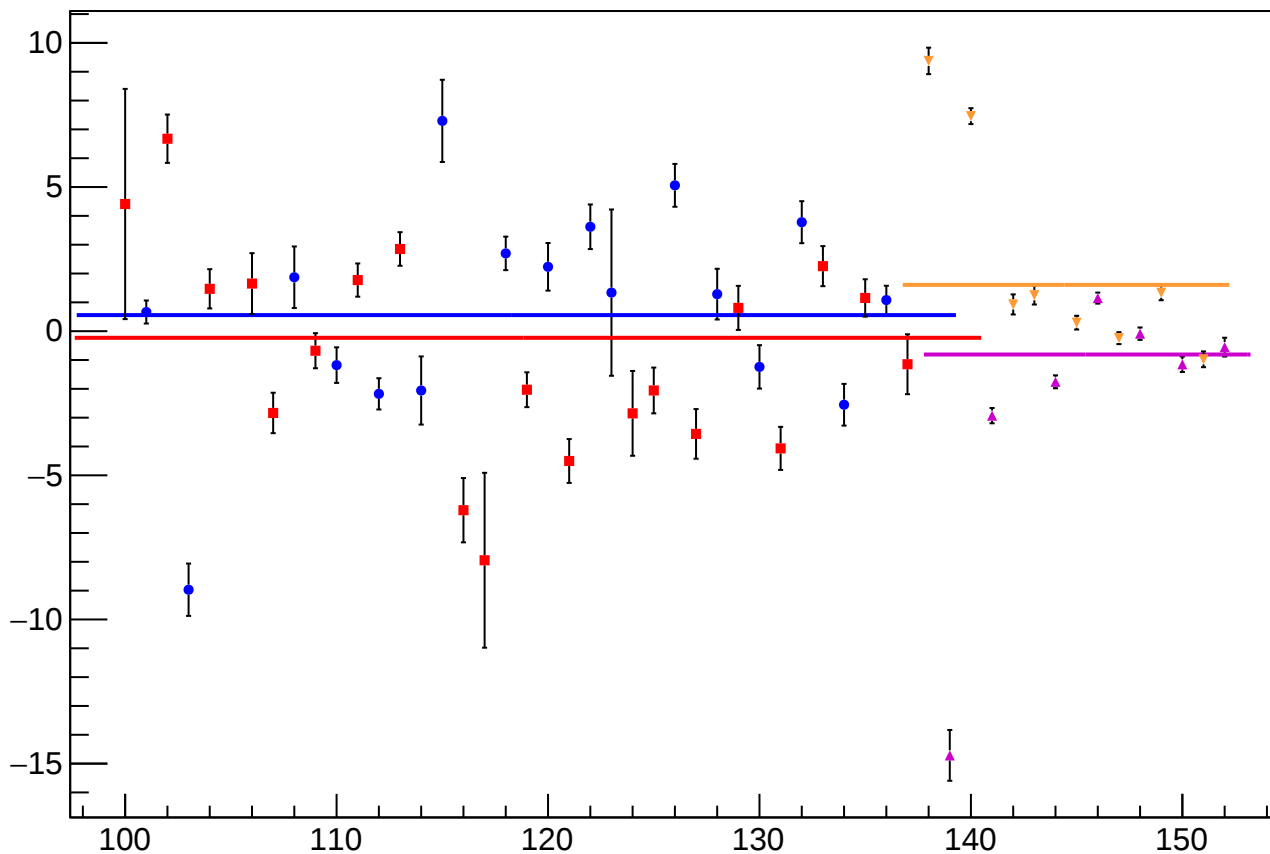
Left In: 2.968+/-0.143 χ^2/NDF : 783.4/6

-6.126+/-0.143 χ^2/NDF : 2339.6/7

-1.555+/-0.101 χ^2/NDF : 5144.5/14

2.968+/-0.143 χ^2/NDF : 783.4/6

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

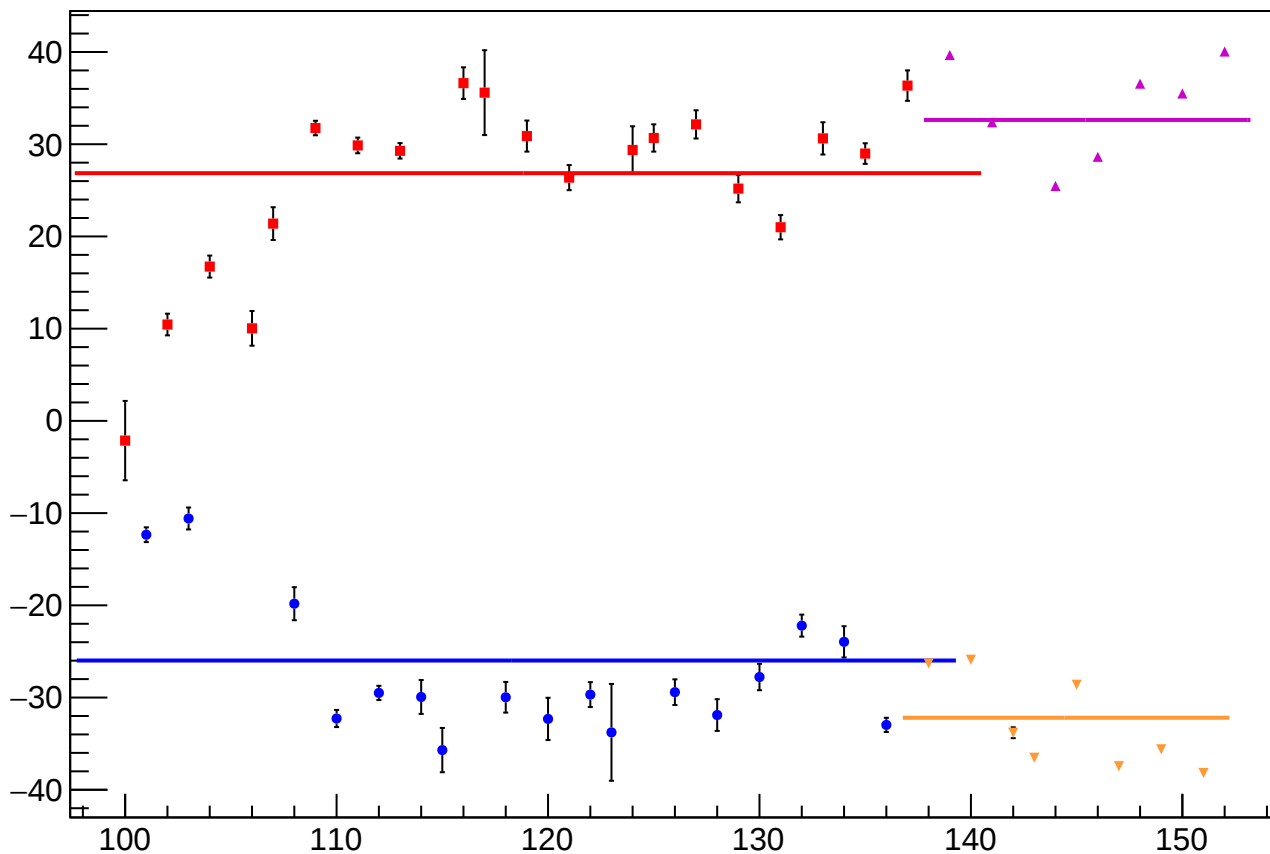
Left In: -0.809 ± 0.096 χ^2/NDF : 449.4/6

1.346 ± 0.085 χ^2/NDF : 1256.0/24

0.331 ± 0.060 χ^2/NDF : 2277.9/51

-0.674 ± 0.084 χ^2/NDF : 736.4/26

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

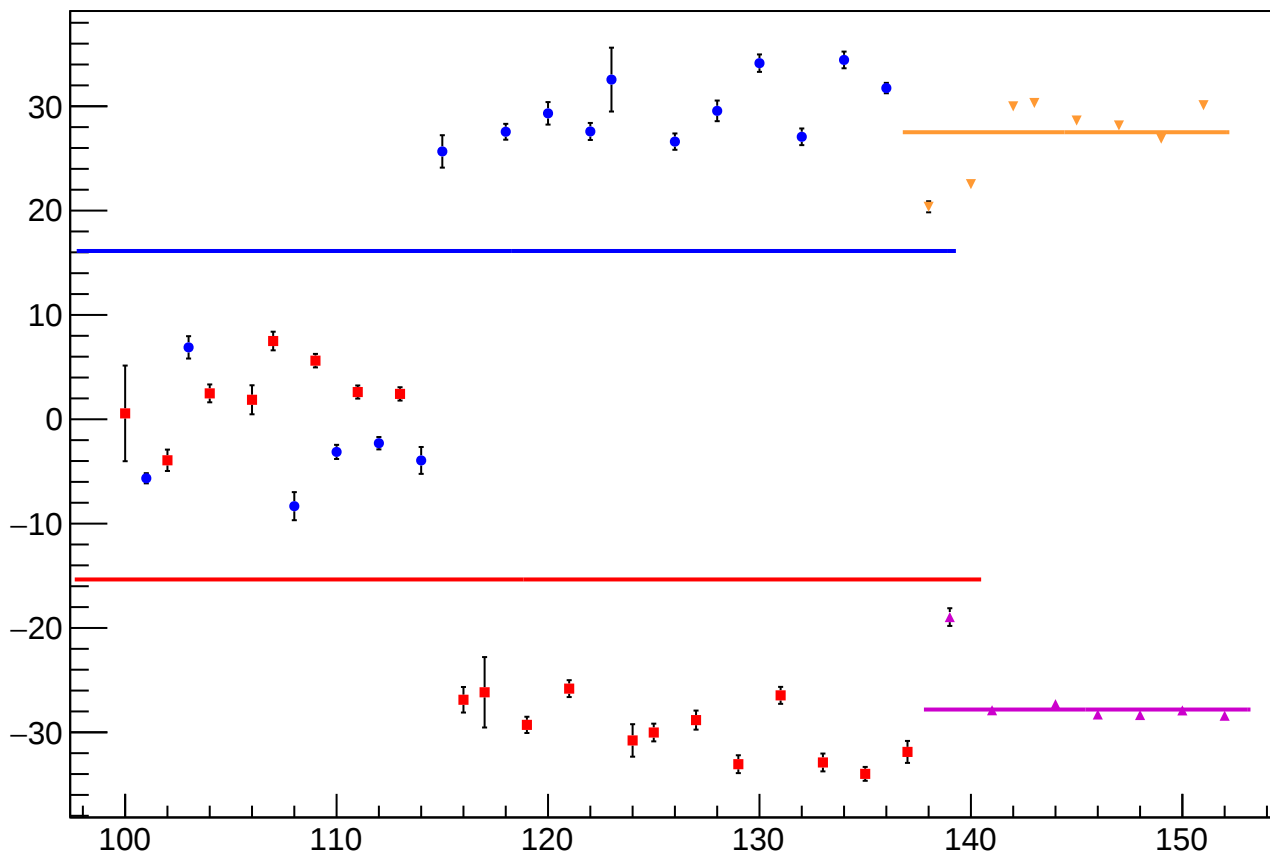
Left In: 32.631 ± 0.142 χ^2/NDF : 1287.7/6

-31.001 ± 0.131 χ^2/NDF : 2116.3/24

1.034 ± 0.092 χ^2/NDF : 120222.7/51

31.554 ± 0.128 χ^2/NDF : 2179.8/26

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 16.129 ± 0.192 $\chi^2/\text{NDF}: 7572.5/16$

Left Out: 27.510 ± 0.121 $\chi^2/\text{NDF}: 570.2/7$

Right Out: -15.352 ± 0.197 $\chi^2/\text{NDF}: 7288.4/19$

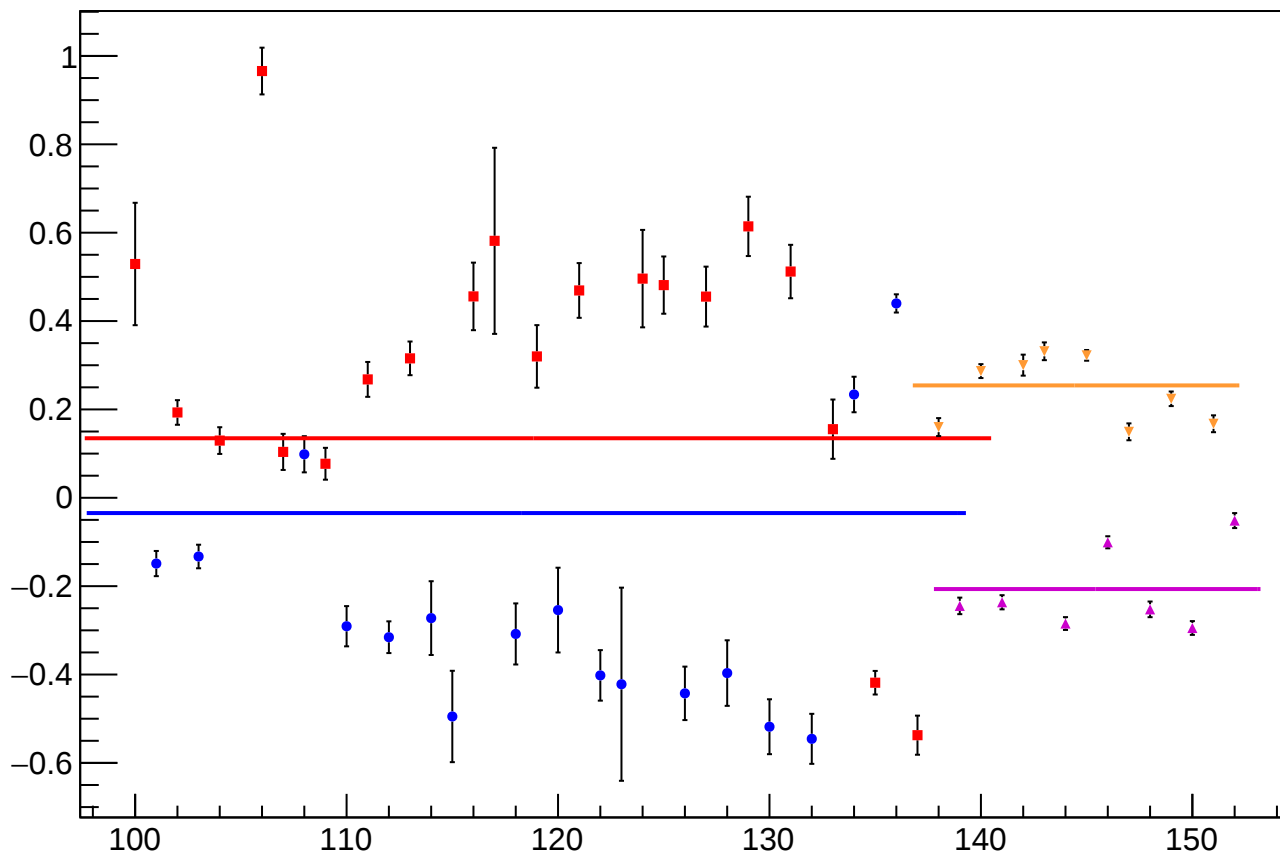
Left In: -27.817 ± 0.119 $\chi^2/\text{NDF}: 122.3/6$

24.283 ± 0.102 $\chi^2/\text{NDF}: 10658.8/24$

-0.266 ± 0.072 $\chi^2/\text{NDF}: 135506.2/51$

-24.492 ± 0.102 $\chi^2/\text{NDF}: 10355.8/26$

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

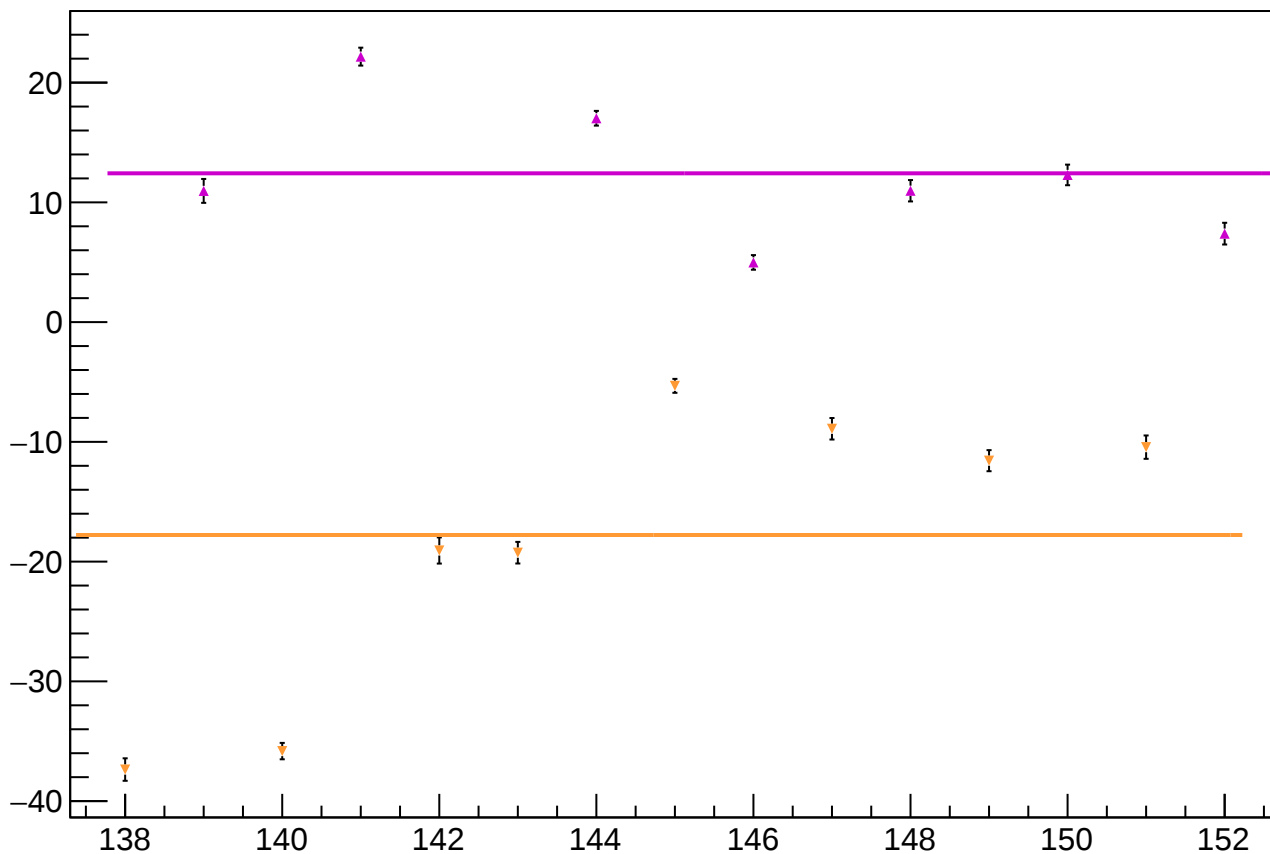
Left In: -0.207 ± 0.006 χ^2/NDF : 218.7/6

0.179 ± 0.005 χ^2/NDF : 1720.0/24

0.027 ± 0.004 χ^2/NDF : 5553.2/51

-0.120 ± 0.005 χ^2/NDF : 2196.2/26

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

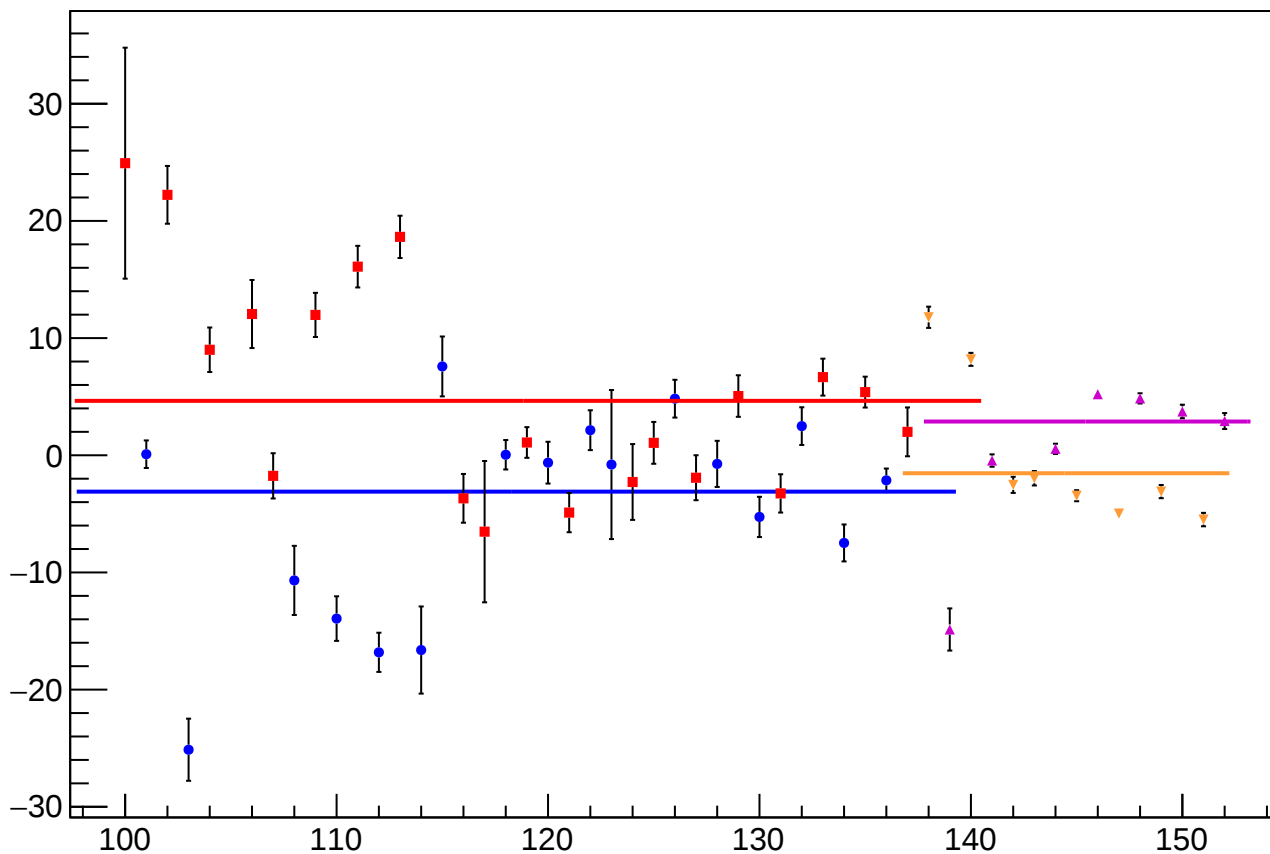
Left In: 12.425+/-0.289 χ^2/NDF :409.6/6

-17.778+/-0.290 χ^2/NDF : 1796.0/7

-2.635+/-0.205 χ^2/NDF : 7635.2/14

12.425+/-0.289 χ^2/NDF : 409.6/6

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

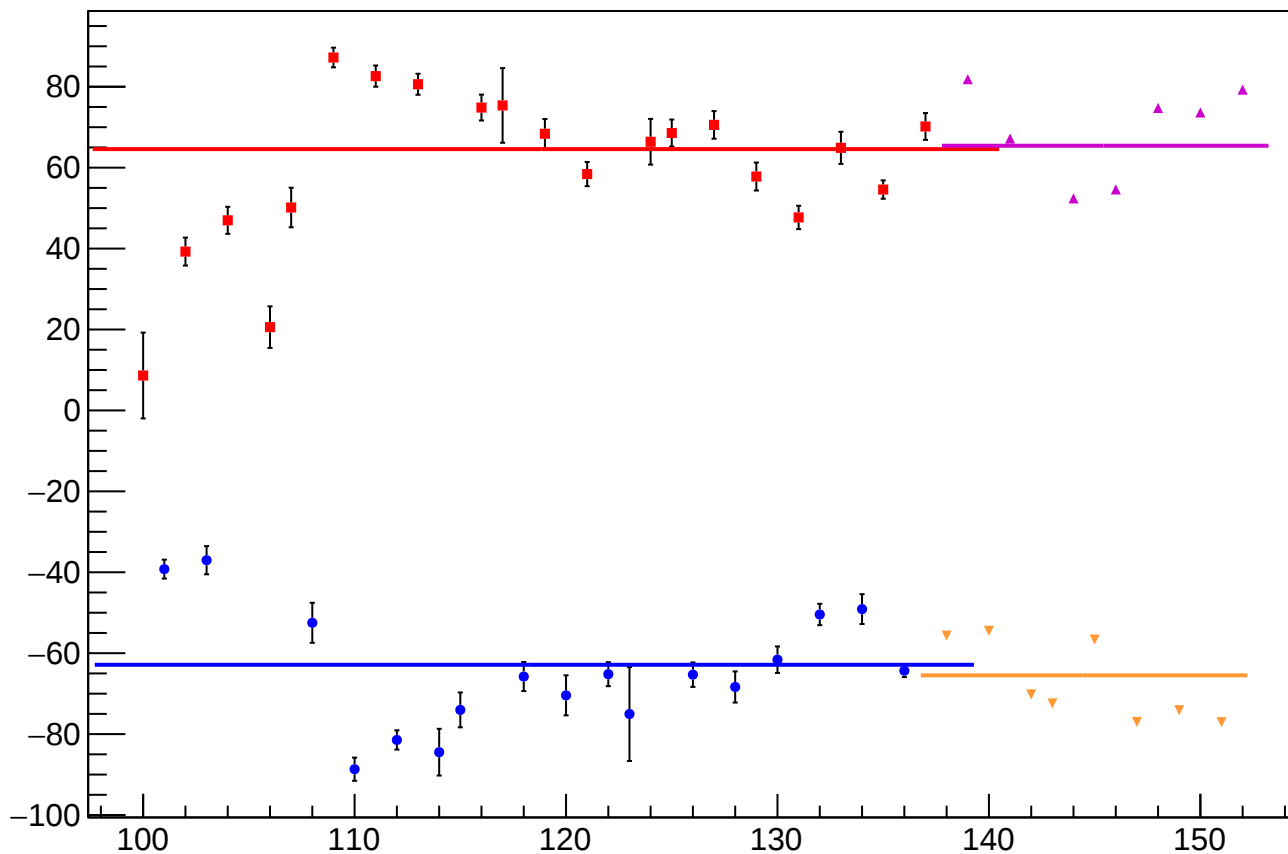
Left In: 2.879 ± 0.194 χ^2/NDF : 225.9/6

-1.831 ± 0.179 χ^2/NDF : 952.4/24

0.706 ± 0.126 χ^2/NDF : 1891.8/51

3.184 ± 0.177 χ^2/NDF : 541.2/26

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.863 $\pm$ 0.741 χ^2/NDF : 368.7/16

Left Out: -65.471 $\pm$ 0.297 χ^2/NDF : 1047.5/7

Right Out: 64.588 $\pm$ 0.749 χ^2/NDF : 445.6/19

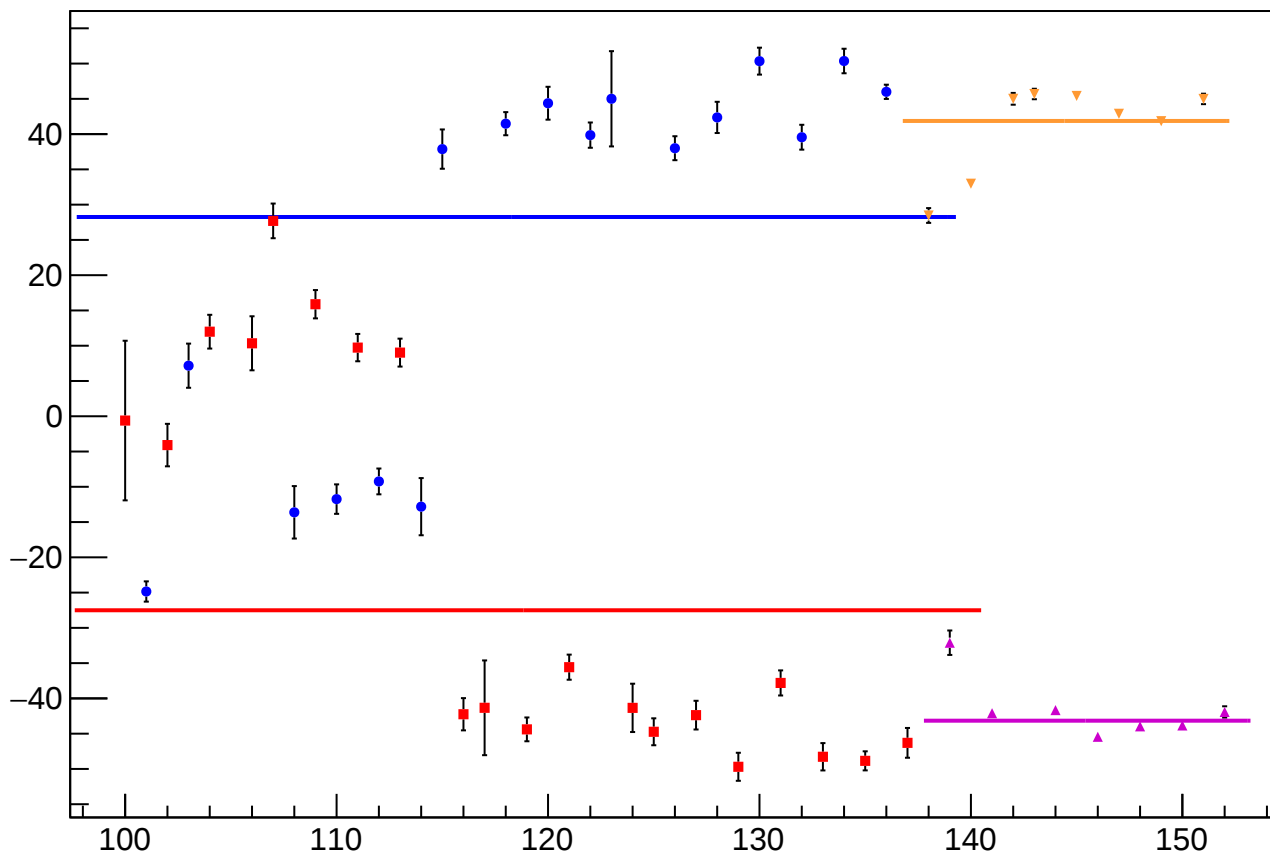
Left In: 65.417 $\pm$ 0.289 χ^2/NDF : 1450.1/6

-65.109 $\pm$ 0.276 χ^2/NDF : 1426.9/24

1.493 $\pm$ 0.193 χ^2/NDF : 117566.7/51

65.310 $\pm$ 0.270 χ^2/NDF : 1896.8/26

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

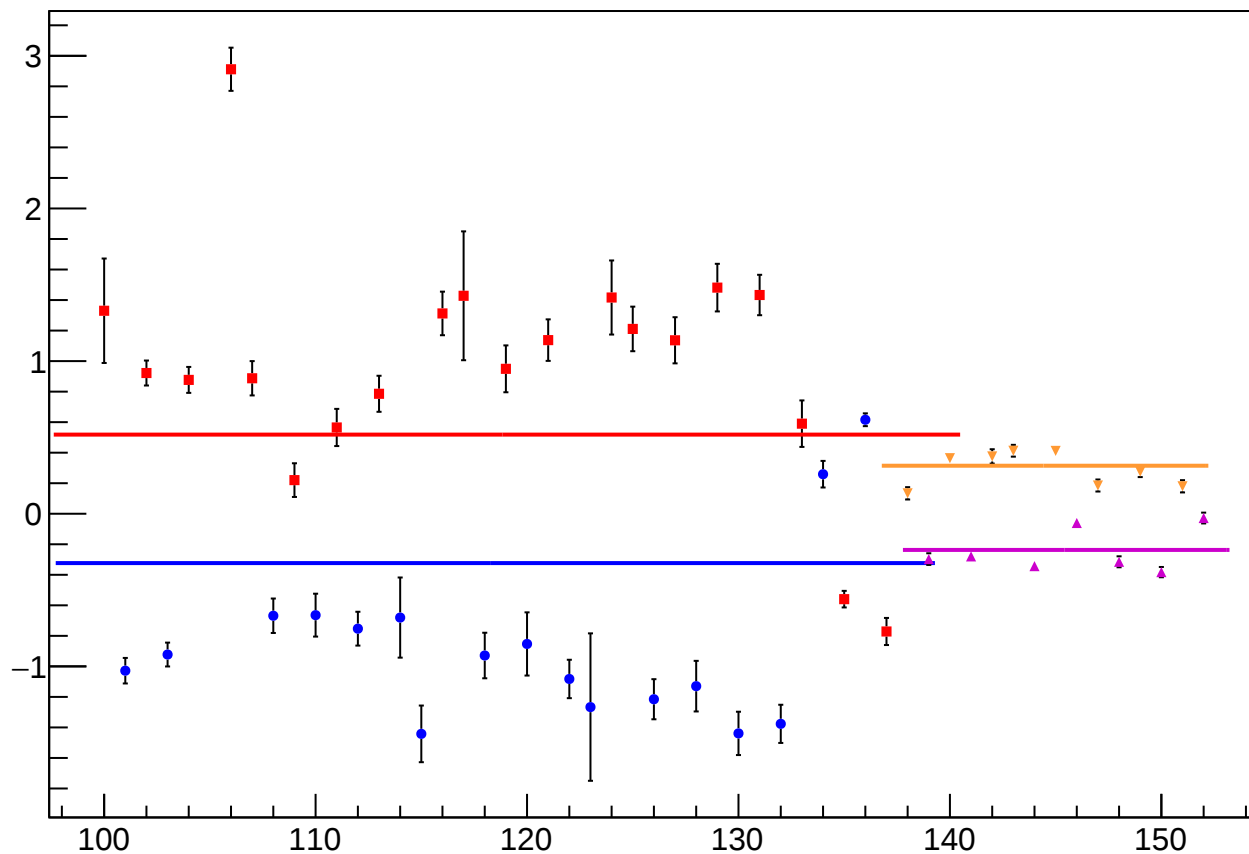
Left In: -43.159+/-0.240 χ^2/NDF : 79.9/6

38.853+/-0.216 χ^2/NDF : 4444.2/24

-0.941+/-0.152 χ^2/NDF : 75400.9/51

-40.003+/-0.214 χ^2/NDF : 3974.4/26

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.323 ± 0.025 $\chi^2/\text{NDF}: 1010.8/16$

Left Out: 0.315 ± 0.012 $\chi^2/\text{NDF}: 69.9/7$

Right Out: 0.518 ± 0.026 $\chi^2/\text{NDF}: 1165.5/19$

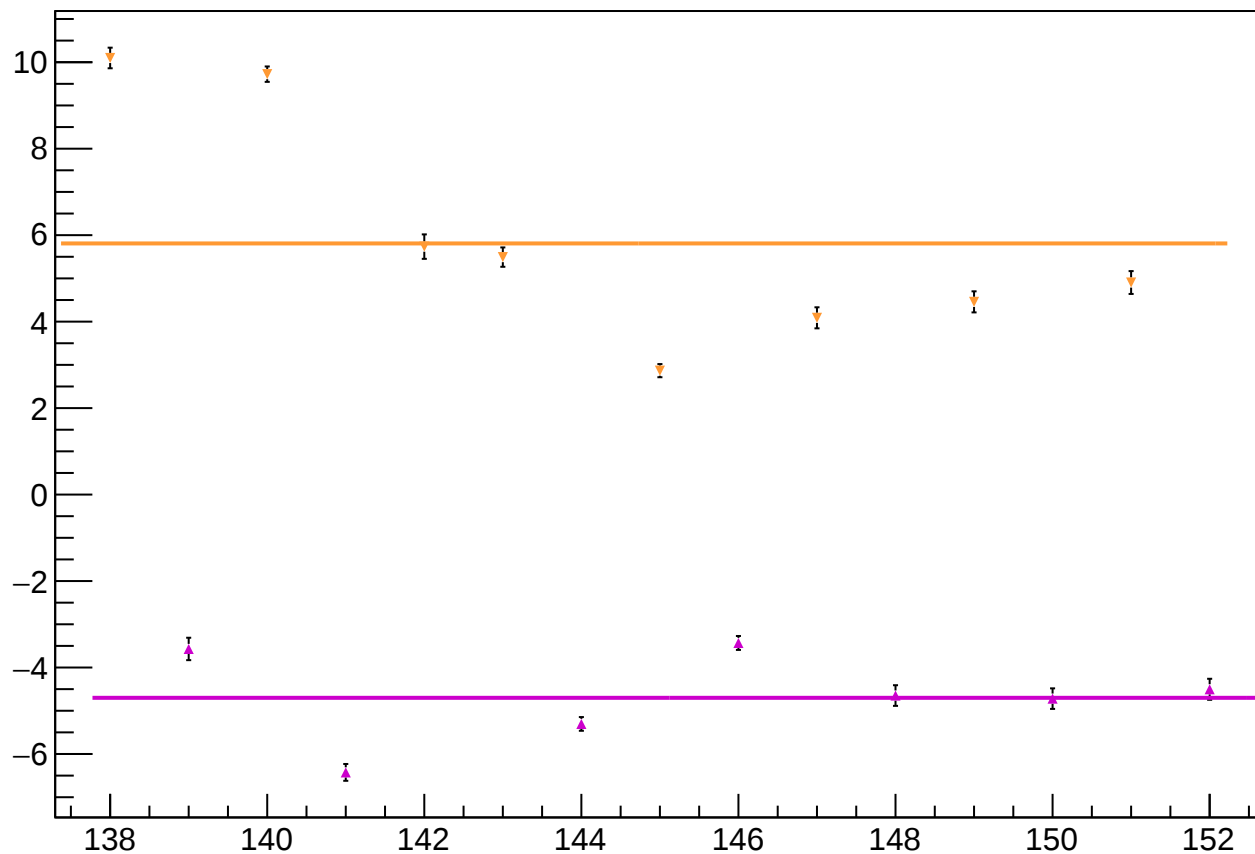
Left In: -0.237 ± 0.012 $\chi^2/\text{NDF}: 117.7/6$

0.188 ± 0.011 $\chi^2/\text{NDF}: 1604.2/24$

0.044 ± 0.008 $\chi^2/\text{NDF}: 3921.7/51$

-0.097 ± 0.011 $\chi^2/\text{NDF}: 1987.0/26$

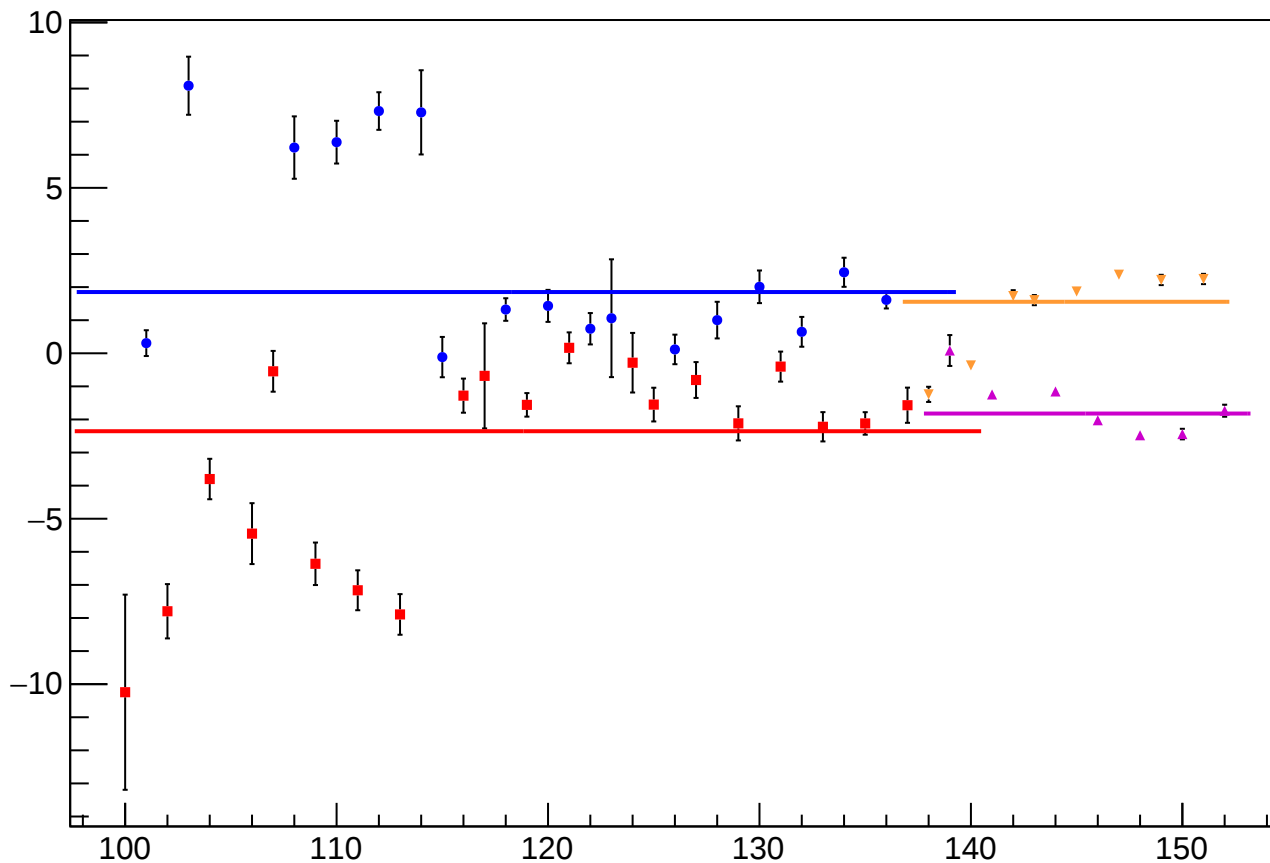
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.808+/-0.076 χ^2/NDF :1276.1/7
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -4.701+/-0.076 χ^2/NDF :174.9/6

5.808+/-0.076 χ^2/NDF : 1276.1/7
 0.570+/-0.054 χ^2/NDF : 10967.8/14
 -4.701+/-0.076 χ^2/NDF : 174.9/6

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.851 ± 0.117 χ^2/NDF : 294.2/16

Left Out: 1.557 ± 0.052 χ^2/NDF : 421.8/7

Right Out: -2.355 ± 0.122 χ^2/NDF : 337.4/19

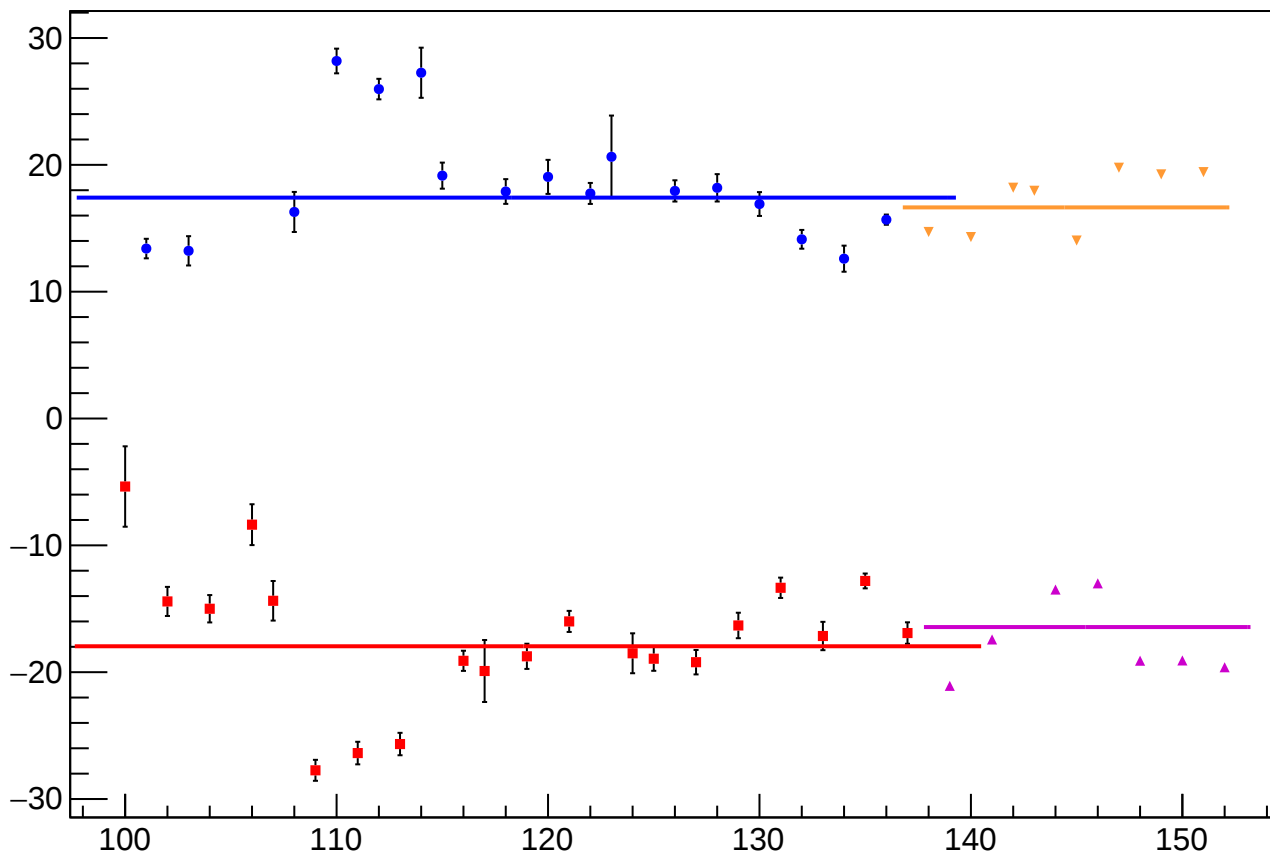
Left In: -1.821 ± 0.051 χ^2/NDF : 120.7/6

1.606 ± 0.048 χ^2/NDF : 721.2/24

-0.172 ± 0.034 χ^2/NDF : 3926.2/51

-1.901 ± 0.047 χ^2/NDF : 474.3/26

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.417 $\pm$ 0.213 χ^2 /NDF: 367.0/16

Left Out: 16.645 $\pm$ 0.078 χ^2 /NDF: 966.9/7

Right Out: -17.957 $\pm$ 0.218 χ^2 /NDF: 506.2/19

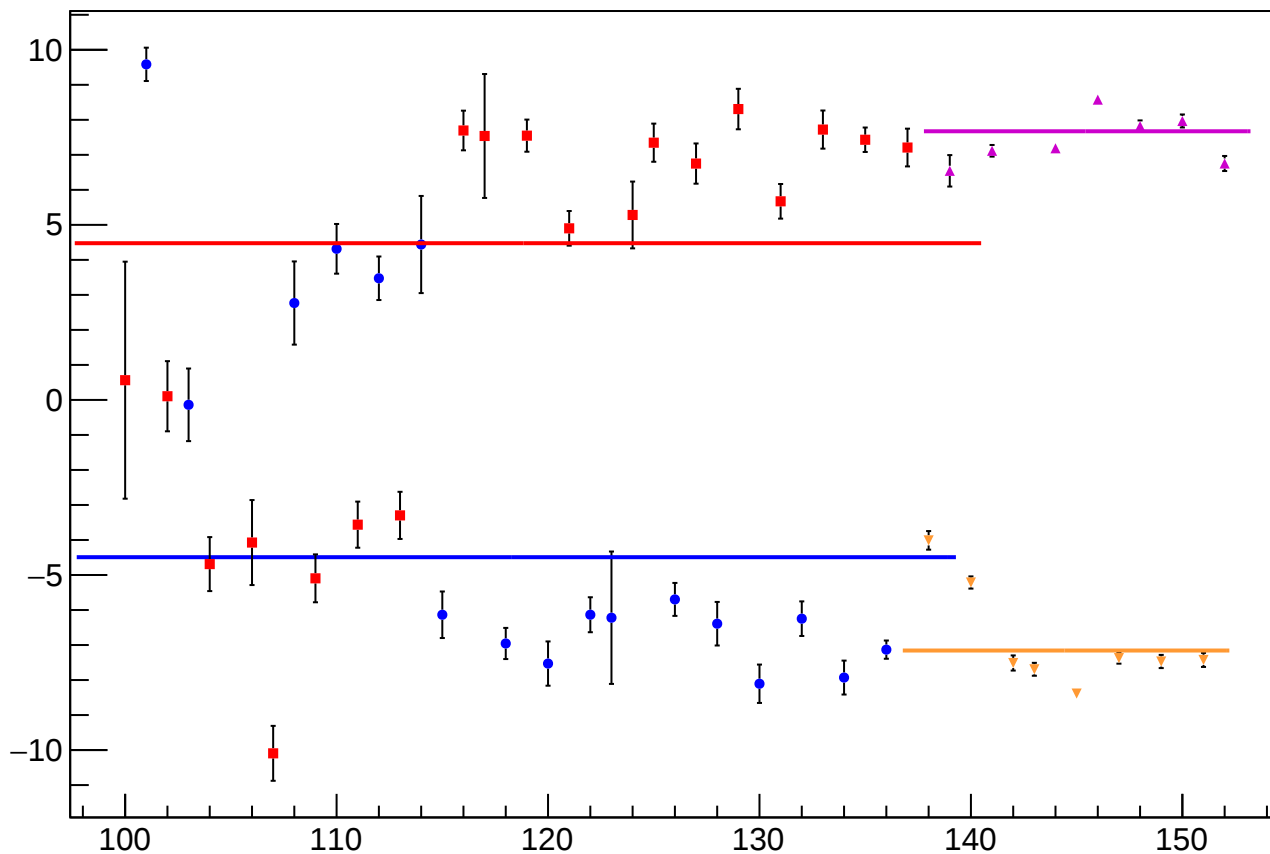
Left In: -16.442 $\pm$ 0.076 χ^2 /NDF: 1561.4/6

16.737 $\pm$ 0.073 χ^2 /NDF: 1345.5/24

-0.216 $\pm$ 0.051 χ^2 /NDF: 108536.6/51

-16.608 $\pm$ 0.072 χ^2 /NDF: 2110.5/26

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

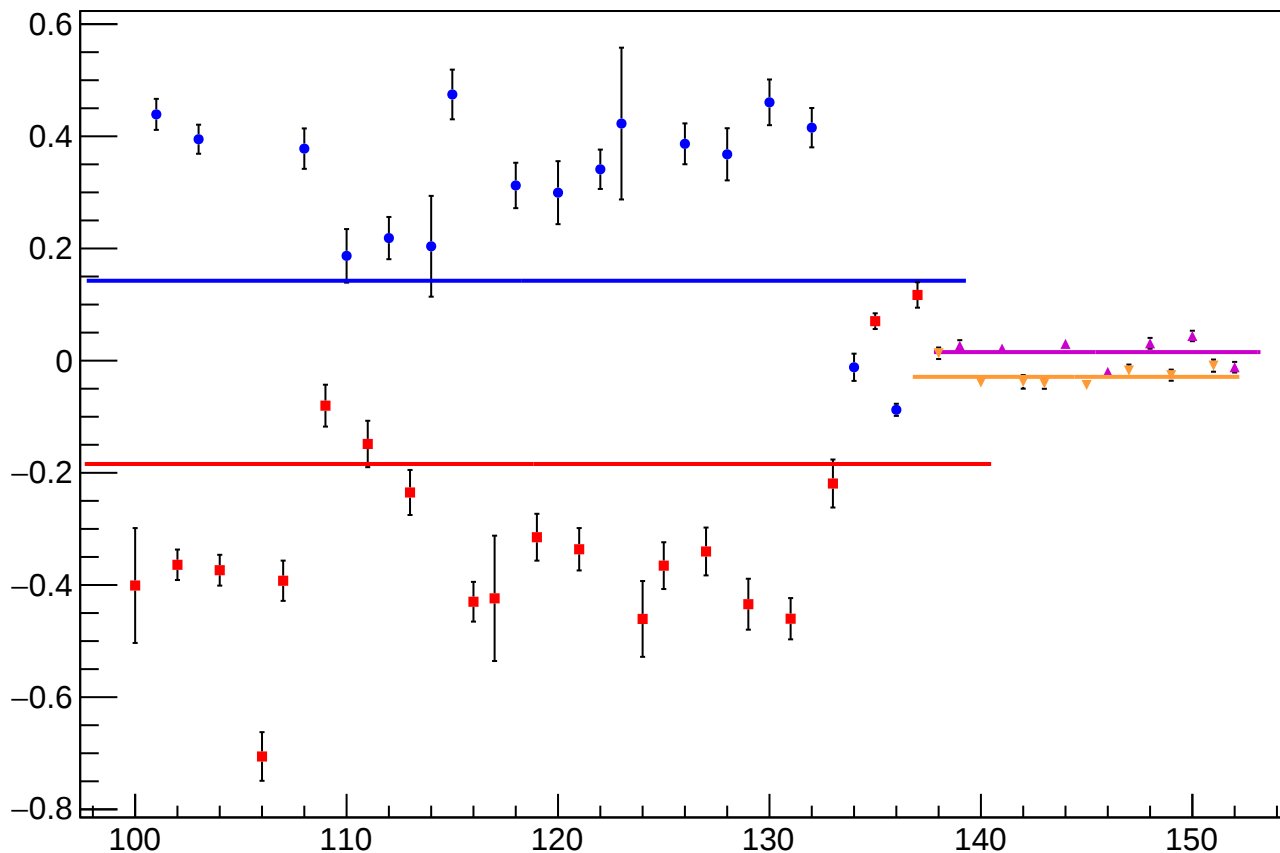
Left In: 7.673+/-0.063 χ^2/NDF : 105.3/6

-6.633+/-0.058 χ^2/NDF : 2277.6/24

0.296+/-0.041 χ^2/NDF : 32617.3/51

7.109+/-0.057 χ^2/NDF : 1898.3/26

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.142 $\pm$ 0.007 χ^2 /NDF: 1058.8/16

Left Out: -0.029 $\pm$ 0.003 χ^2 /NDF: 30.1/7

Right Out: -0.184 $\pm$ 0.007 χ^2 /NDF: 1005.5/19

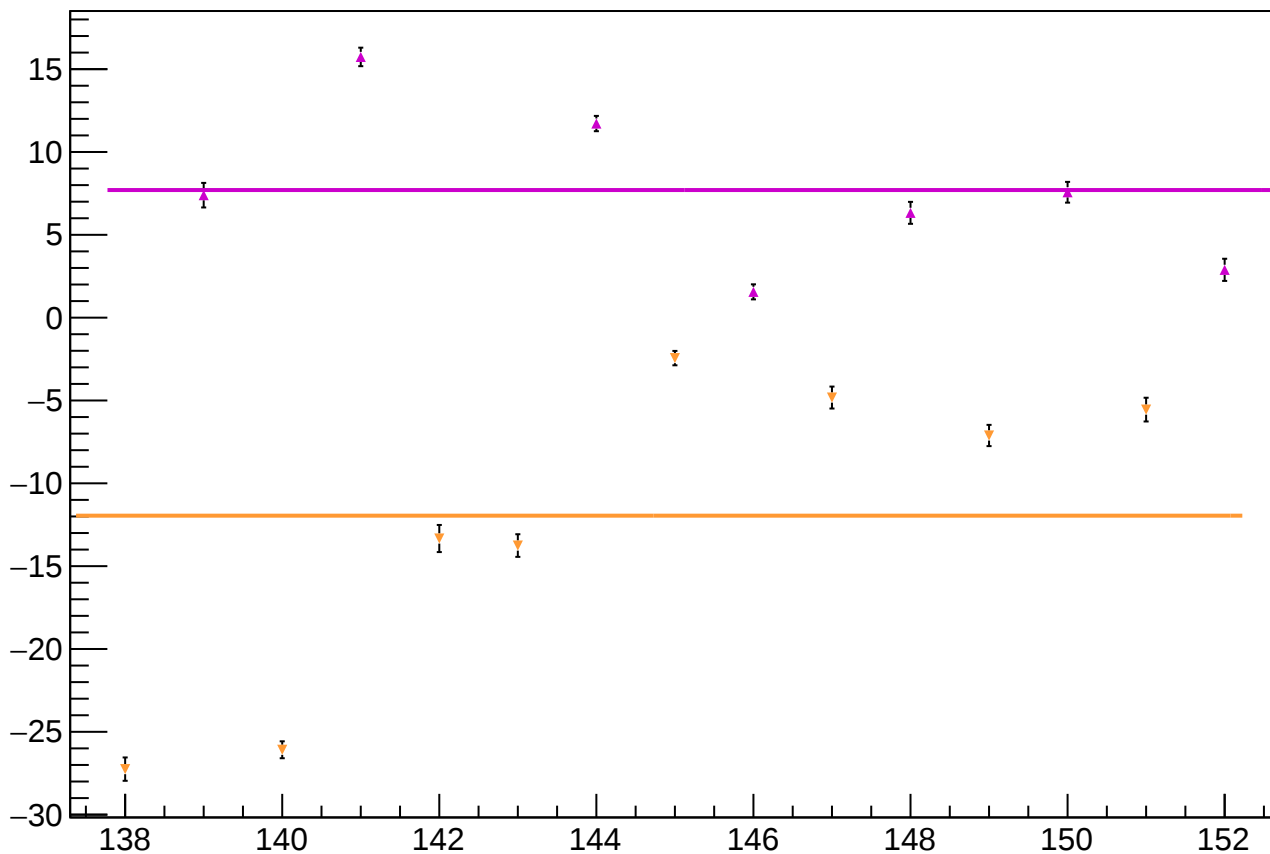
Left In: 0.015 $\pm$ 0.003 χ^2 /NDF: 50.1/6

0.001 $\pm$ 0.003 χ^2 /NDF: 1573.2/24

-0.008 $\pm$ 0.002 χ^2 /NDF: 3258.7/51

-0.017 $\pm$ 0.003 χ^2 /NDF: 1667.1/26

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

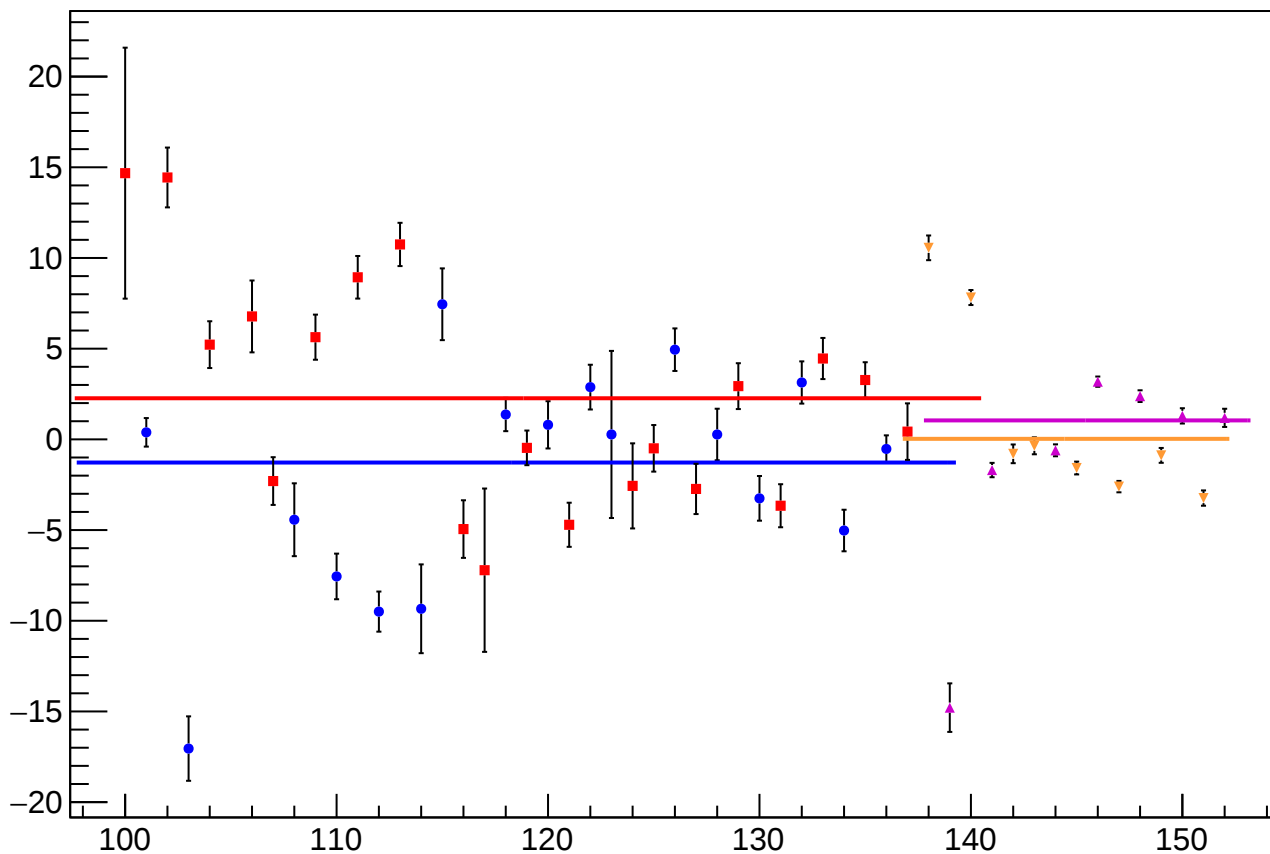
Left In: 7.703+/-0.215 χ^2/NDF :521.8/6

-11.952+/-0.216 χ^2/NDF : 1979.9/7

-2.087+/-0.152 χ^2/NDF : 6661.3/14

7.703+/-0.215 χ^2/NDF : 521.8/6

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.278 $\pm$ 0.292 χ^2 /NDF: 276.5/16

Left Out: 0.029 $\pm$ 0.147 χ^2 /NDF: 751.9/7

Right Out: 2.266 $\pm$ 0.302 χ^2 /NDF: 289.8/19

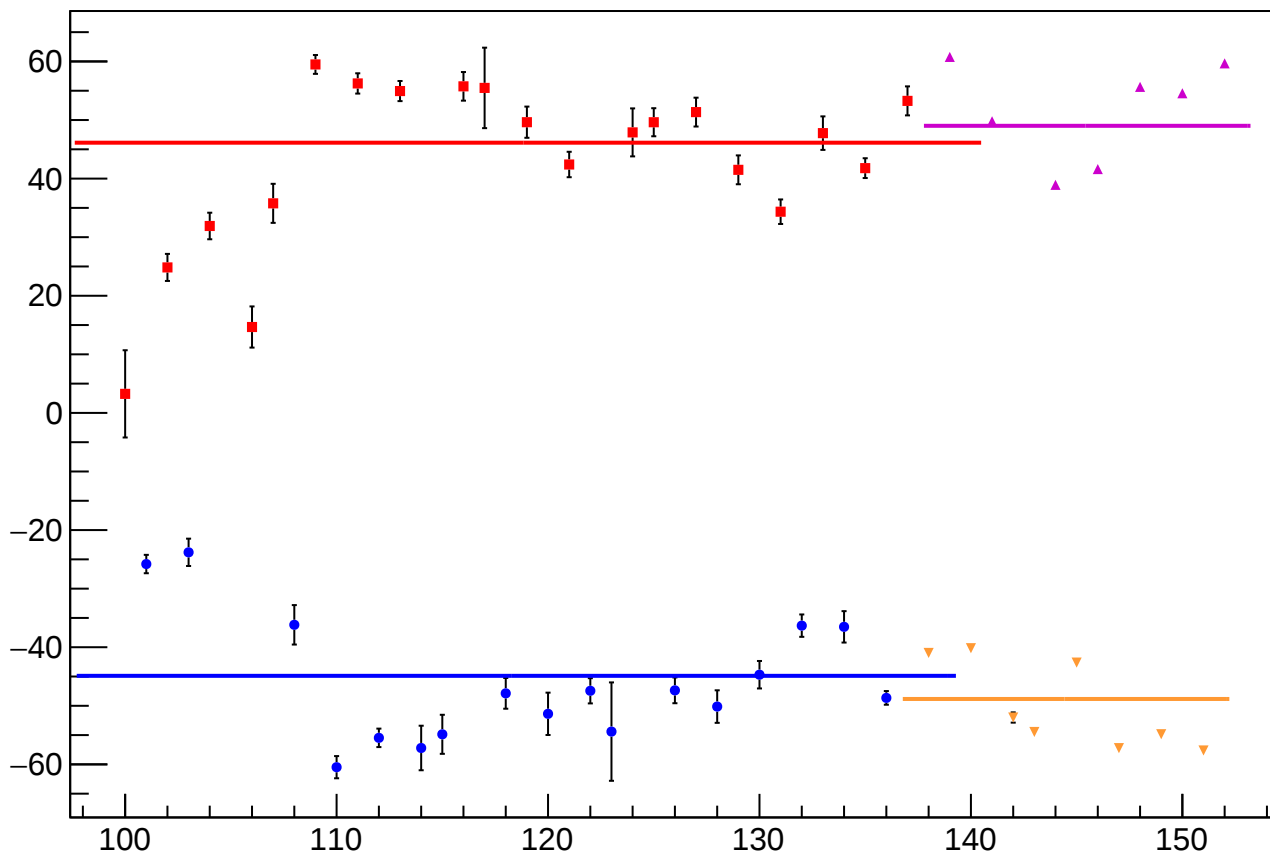
Left In: 1.045 $\pm$ 0.145 χ^2 /NDF: 287.5/6

-0.236 $\pm$ 0.132 χ^2 /NDF: 1044.3/24

0.526 $\pm$ 0.093 χ^2 /NDF: 1701.3/51

1.273 $\pm$ 0.130 χ^2 /NDF: 590.6/26

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

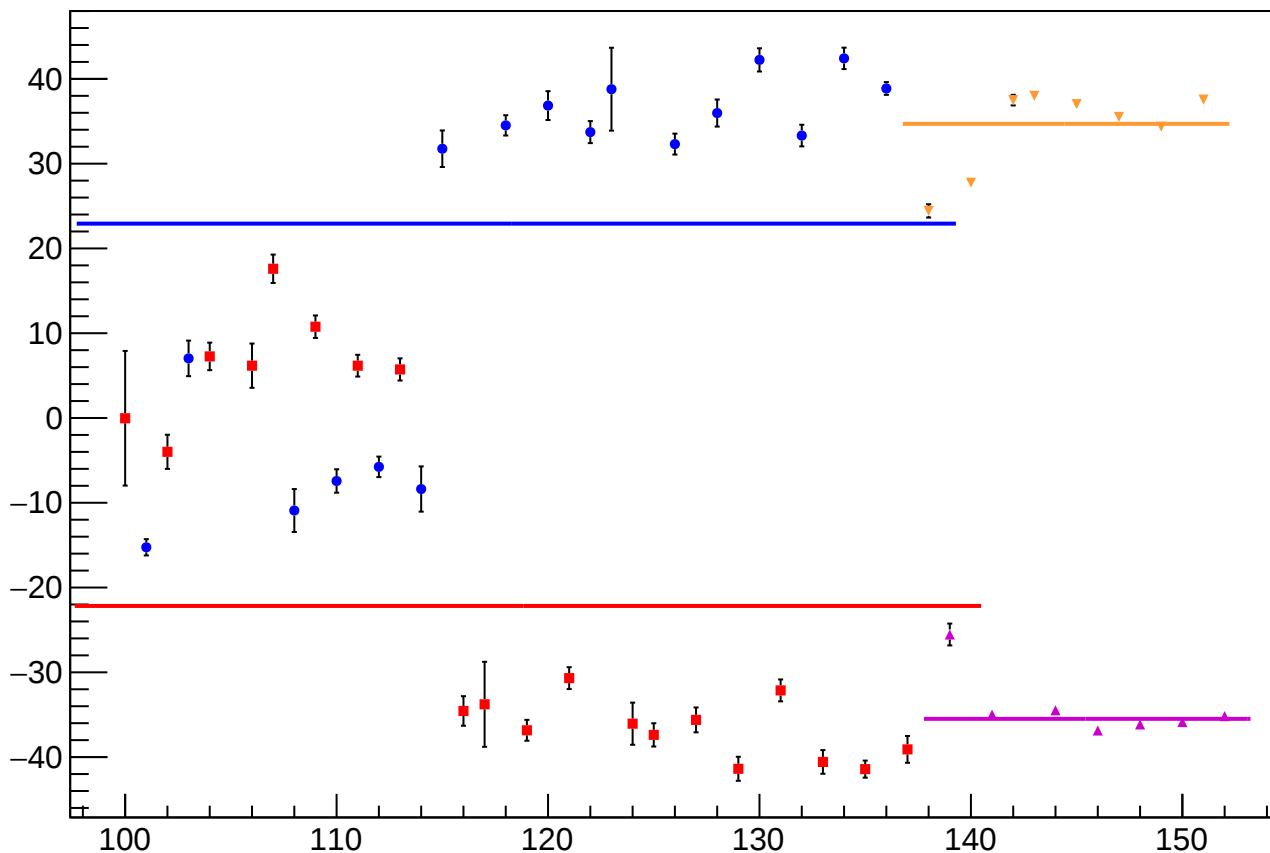
Left In: 49.013 ± 0.215 χ^2/NDF : 1399.8/6

-48.239 ± 0.203 χ^2/NDF : 1533.2/24

1.262 ± 0.142 χ^2/NDF : 119240.0/51

48.602 ± 0.199 χ^2/NDF : 1881.6/26

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

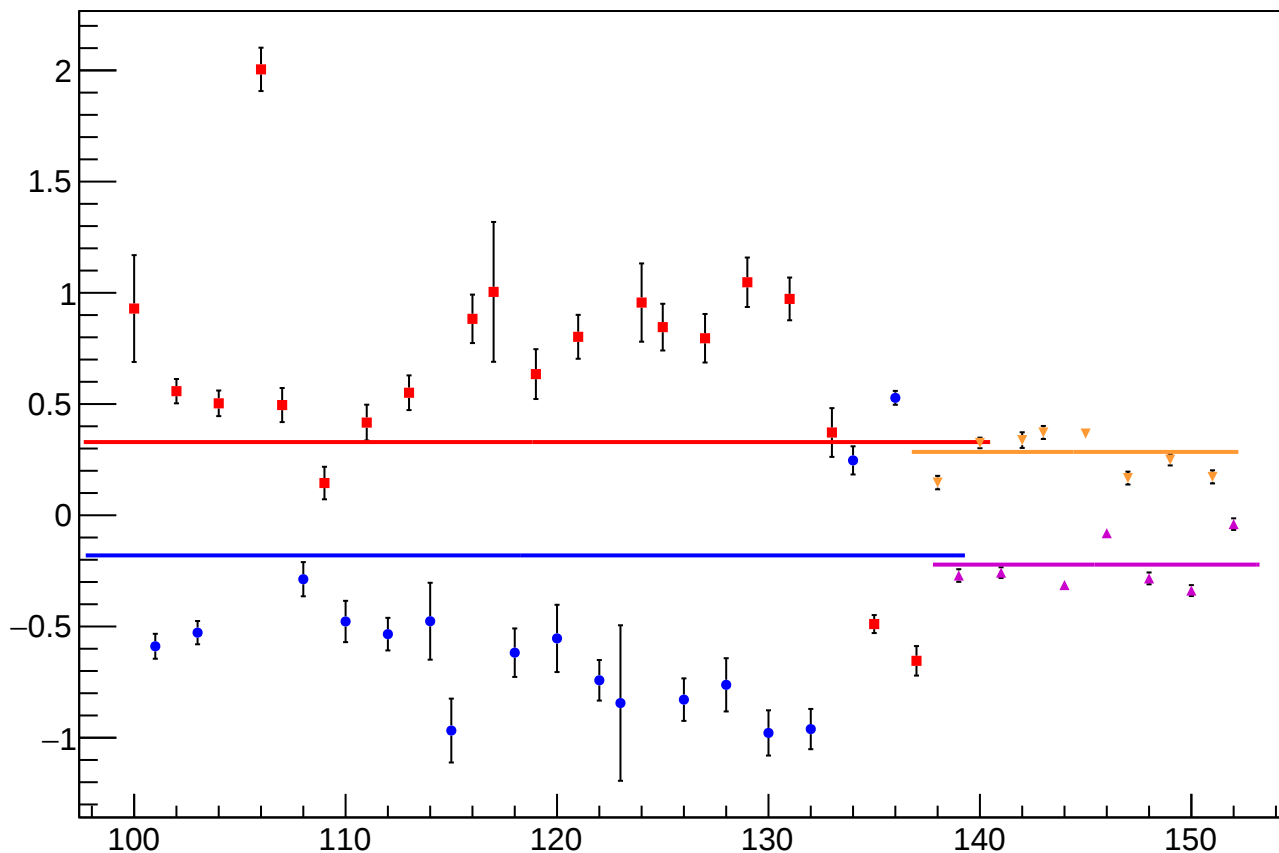
Left In: -35.487+/-0.178 χ^2/NDF : 85.4/6

31.920+/-0.159 χ^2/NDF : 5794.6/24

-0.619+/-0.112 χ^2/NDF : 93836.7/51

-32.600+/-0.158 χ^2/NDF : 5331.5/26

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

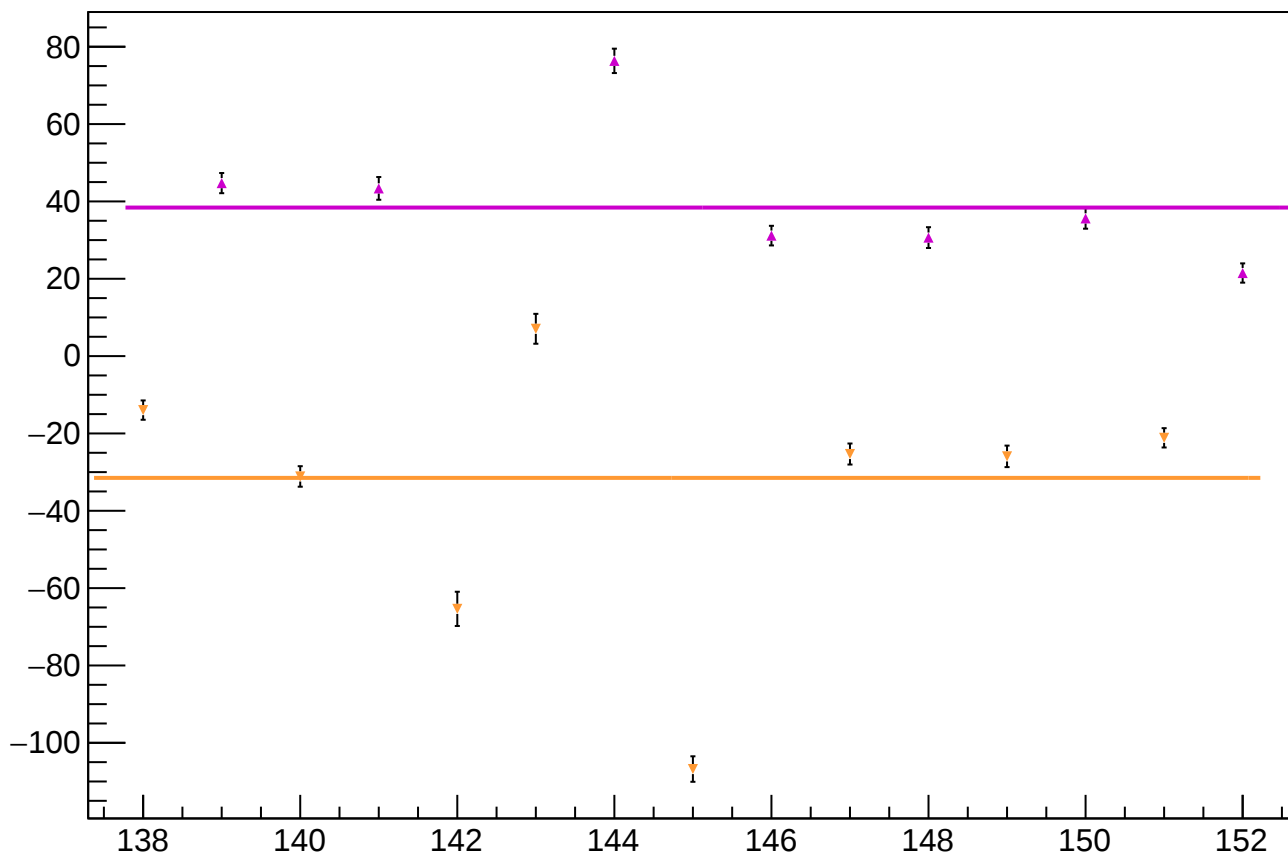
Left In: -0.222 ± 0.009 χ^2/NDF : 148.2/6

0.186 ± 0.008 χ^2/NDF : 1623.7/24

0.036 ± 0.006 χ^2/NDF : 4350.1/51

-0.111 ± 0.008 χ^2/NDF : 2063.6/26

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

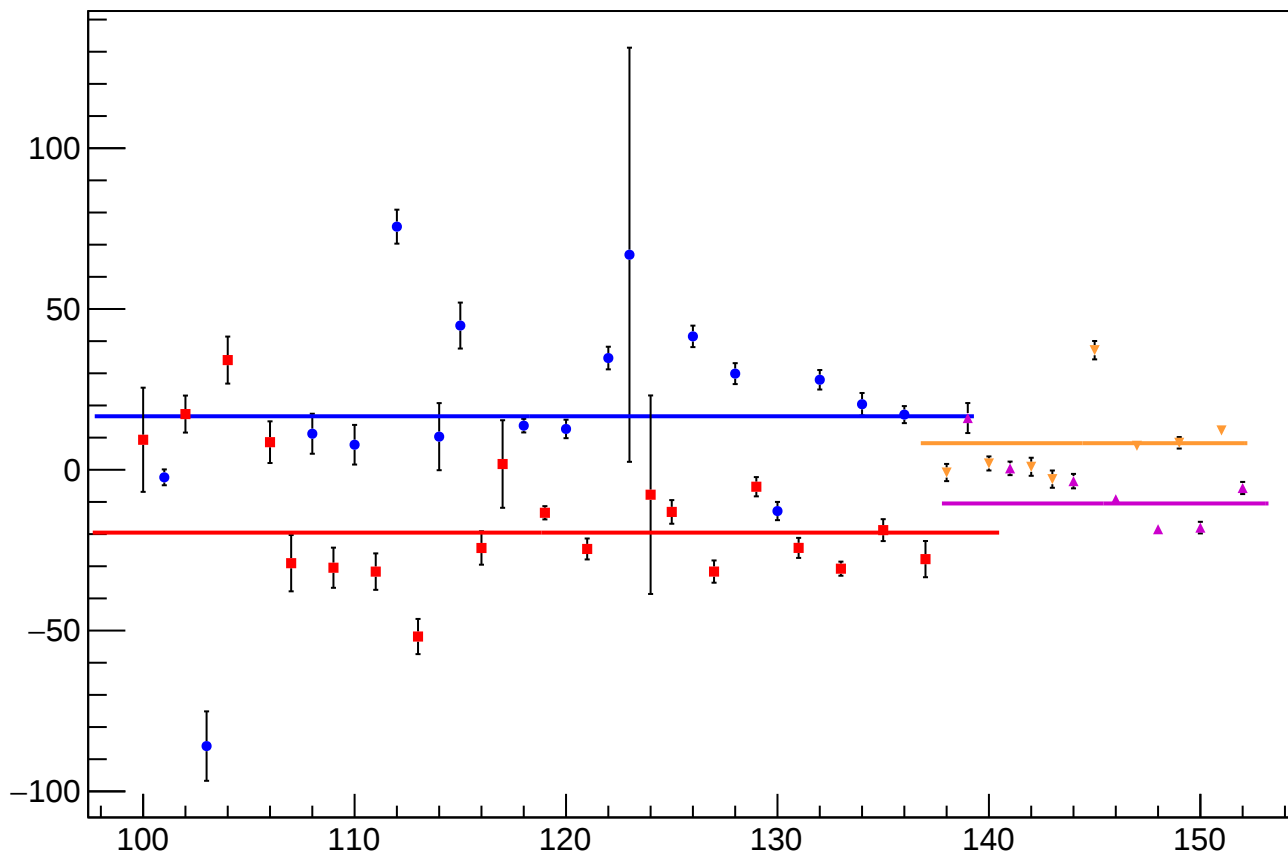
Left In: 38.413+/-1.021 χ^2/NDF : 217.3/6

-31.490+/-1.033 χ^2/NDF : 755.4/7

3.852+/-0.726 χ^2/NDF : 3288.4/14

38.413+/-1.021 χ^2/NDF : 217.3/6

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.641 ± 0.859 $\chi^2/\text{NDF}: 518.9/16$

Left Out: 8.269 ± 0.682 $\chi^2/\text{NDF}: 154.7/7$

Right Out: -19.540 ± 0.894 $\chi^2/\text{NDF}: 244.1/19$

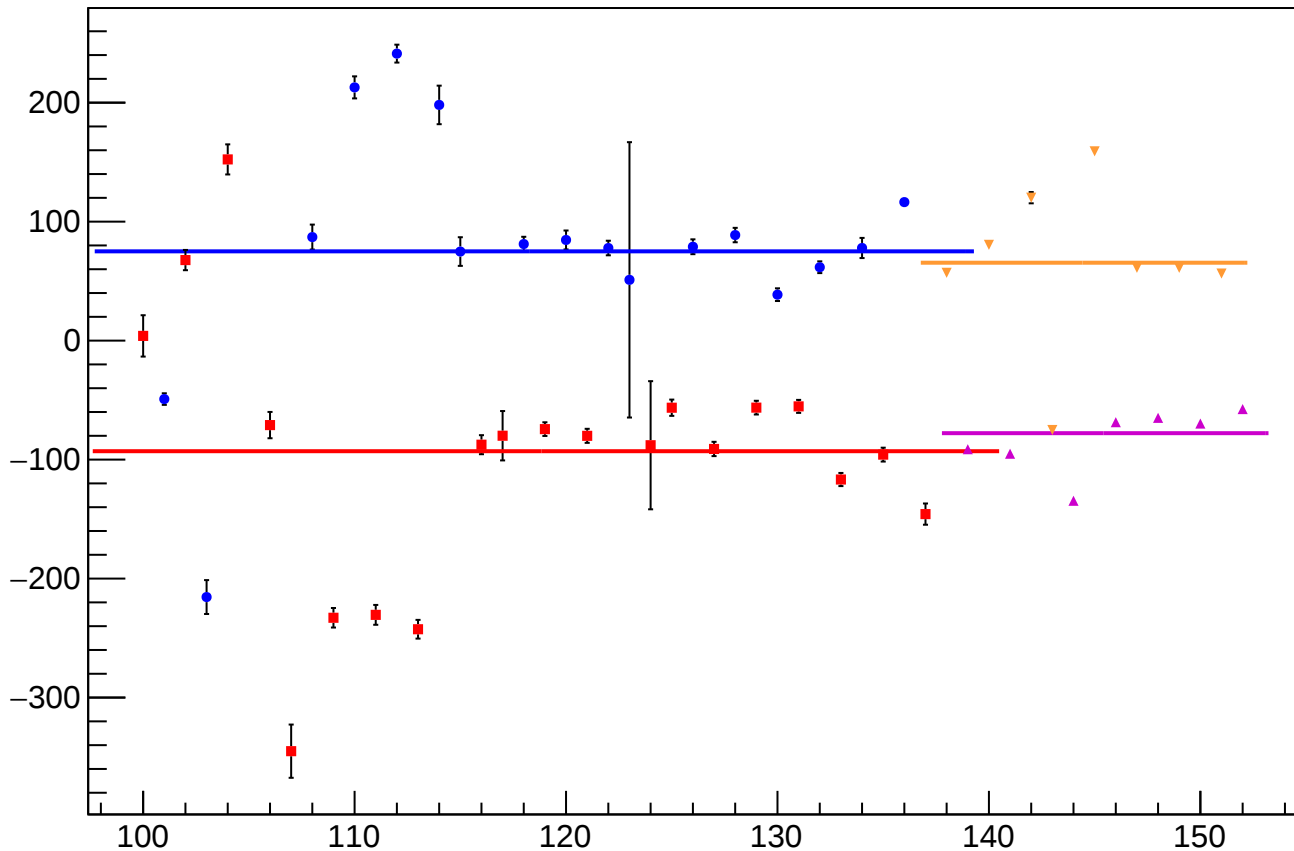
Left In: -10.474 ± 0.690 $\chi^2/\text{NDF}: 130.9/6$

11.508 ± 0.534 $\chi^2/\text{NDF}: 731.9/24$

-0.885 ± 0.382 $\chi^2/\text{NDF}: 2273.3/51$

-13.860 ± 0.547 $\chi^2/\text{NDF}: 439.4/26$

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

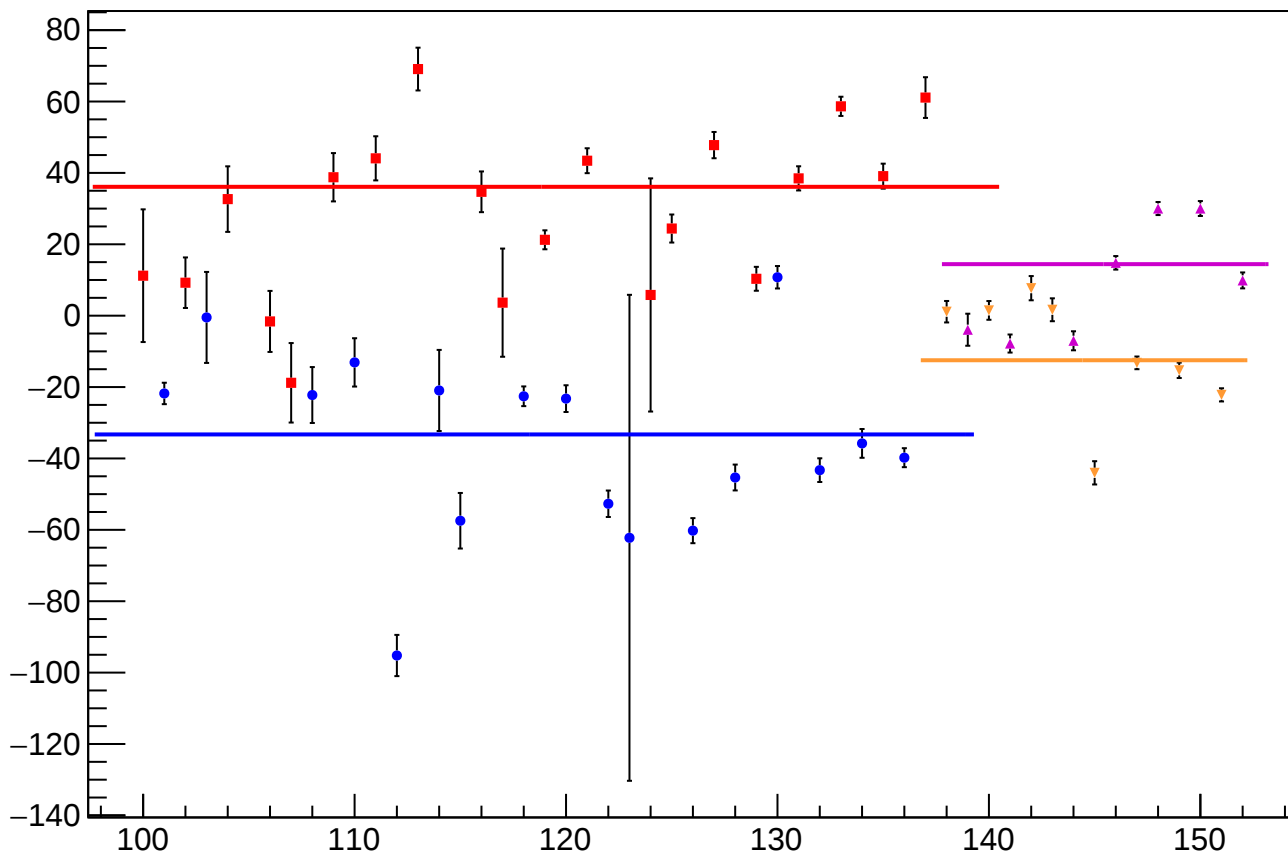
Left In: -77.788 ± 1.011 χ^2/NDF : 460.3/6

68.196 ± 0.878 χ^2/NDF : 4124.0/24

-7.497 ± 0.618 χ^2/NDF : 21363.1/51

-81.727 ± 0.870 χ^2/NDF : 2522.7/26

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

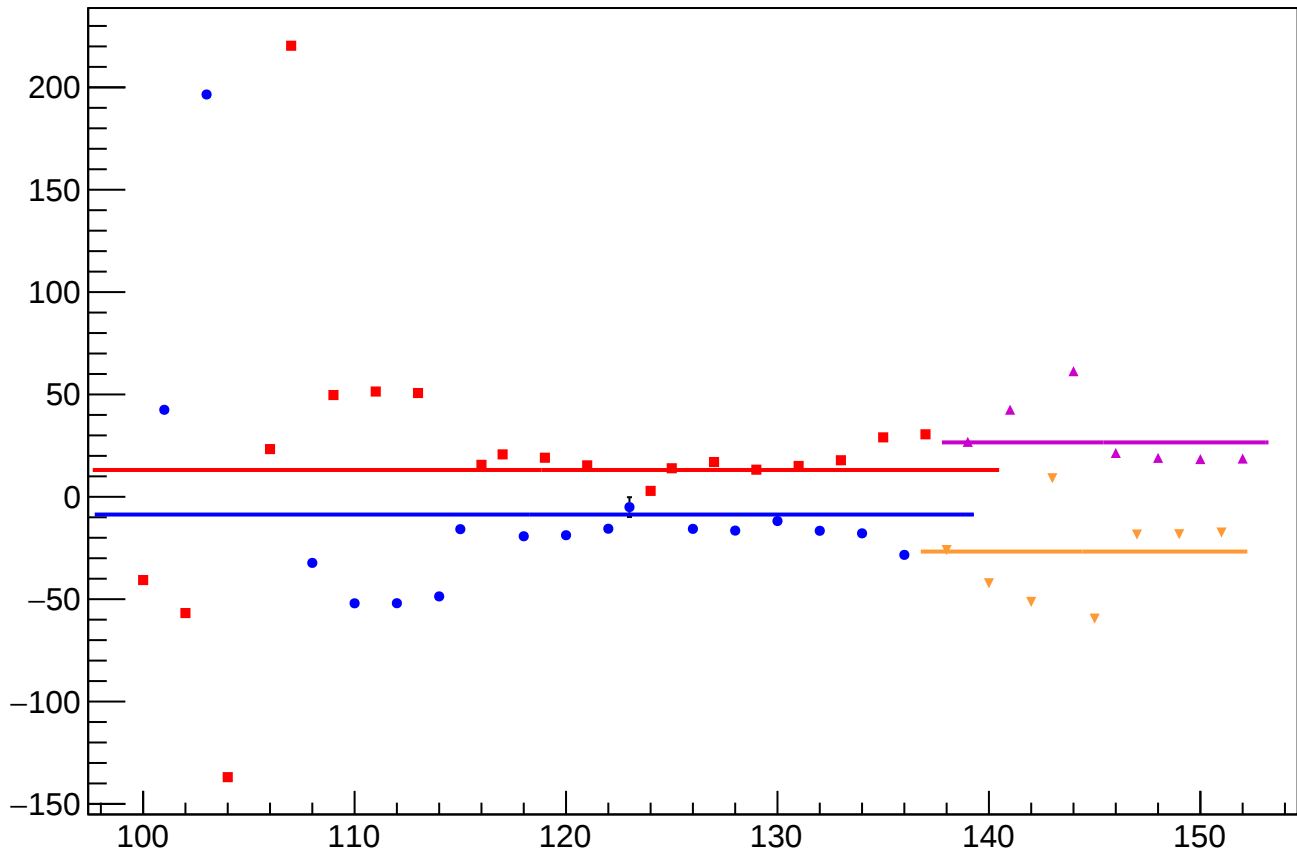
Left In: 14.436 ± 0.860 χ^2/NDF : 291.5/6

-21.484 ± 0.646 χ^2/NDF : 970.2/24

0.564 ± 0.461 χ^2/NDF : 4199.1/51

23.417 ± 0.658 χ^2/NDF : 857.1/26

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 $\chi^2/\text{NDF}: 558383.6/19$

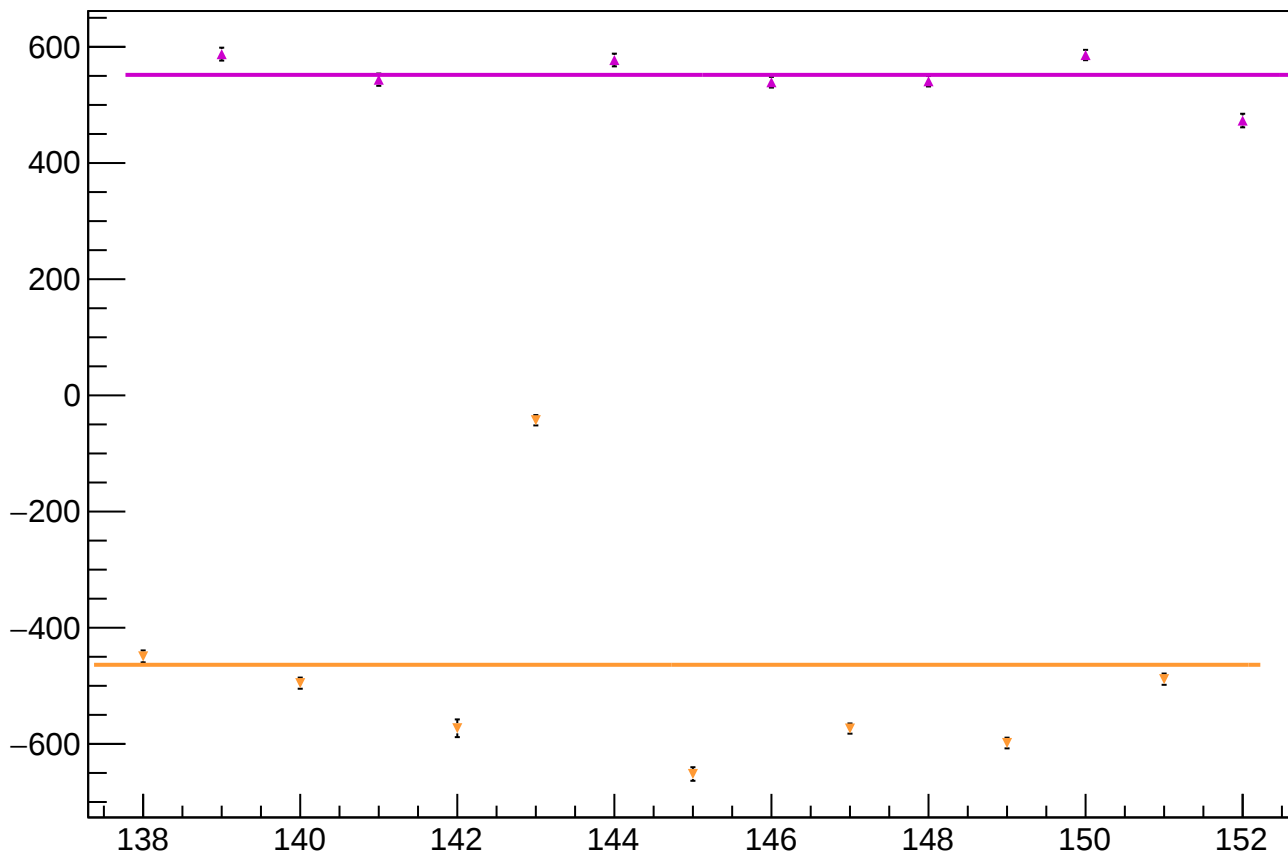
Left In: 26.579 ± 0.042 $\chi^2/\text{NDF}: 91172.7/6$

-20.297 ± 0.035 $\chi^2/\text{NDF}: 793114.8/24$

1.421 ± 0.025 $\chi^2/\text{NDF}: 2220529.1/51$

22.343 ± 0.035 $\chi^2/\text{NDF}: 682230.8/26$

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

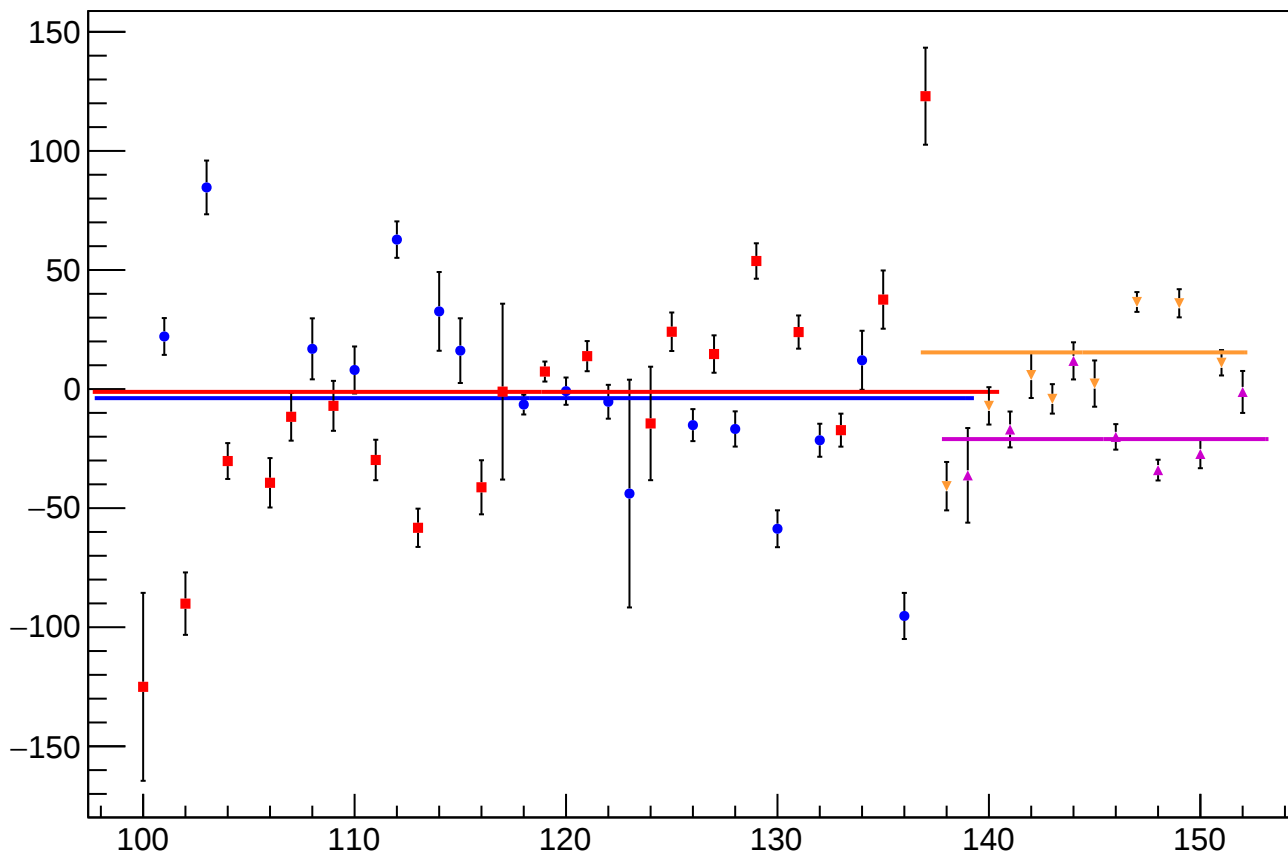
Left In: 551.779+/-3.794 χ^2/NDF : 79.8/6

-463.797+/-3.539 χ^2/NDF : 2935.6/7

8.610+/-2.588 χ^2/NDF : 41331.4/14

551.779+/-3.794 χ^2/NDF : 79.8/6

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

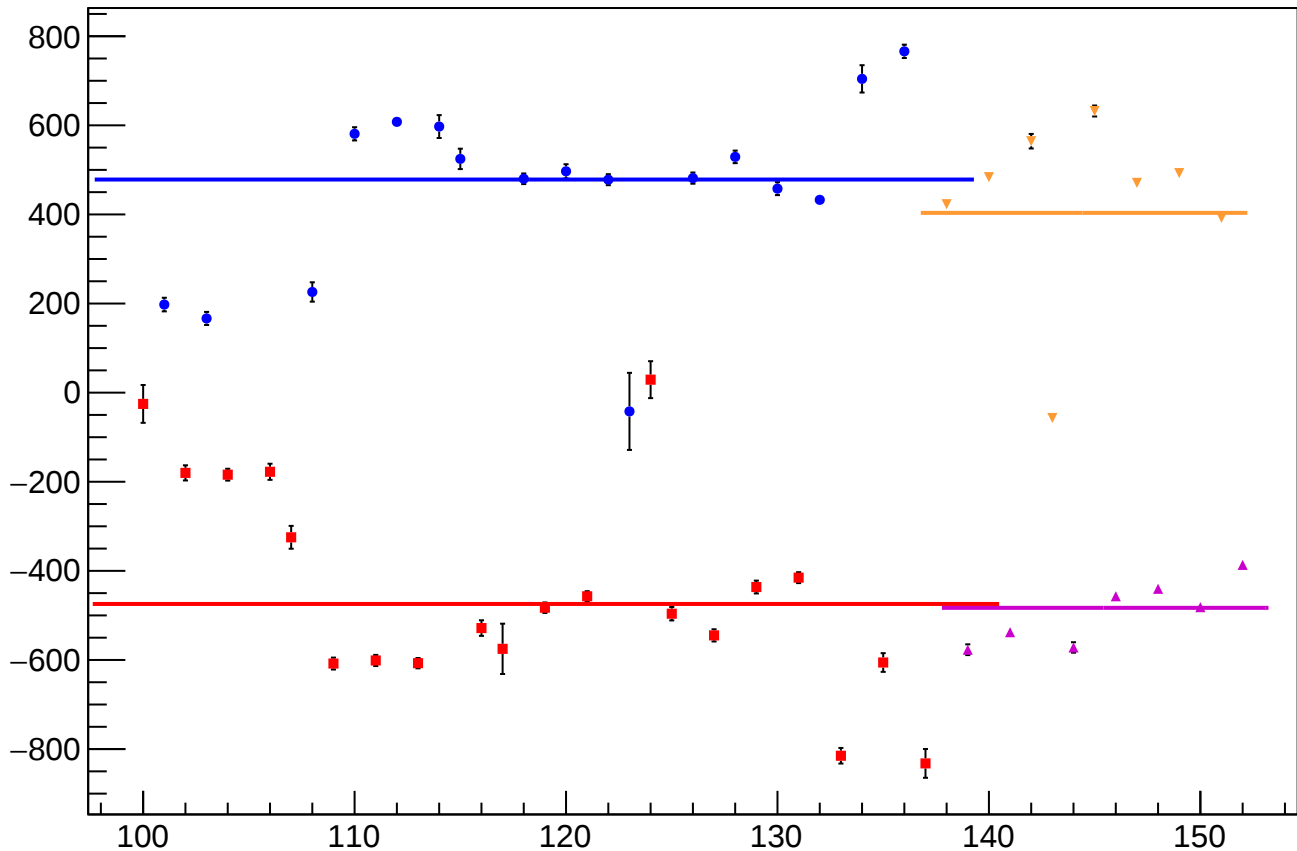
Left In: -21.001 ± 2.463 χ^2/NDF : 33.7/6

4.232 ± 1.466 χ^2/NDF : 446.3/24

-2.008 ± 1.052 χ^2/NDF : 861.7/51

-8.628 ± 1.510 χ^2/NDF : 378.0/26

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: -478.296 ± 3.524 χ^2/NDF : 2288.2/19

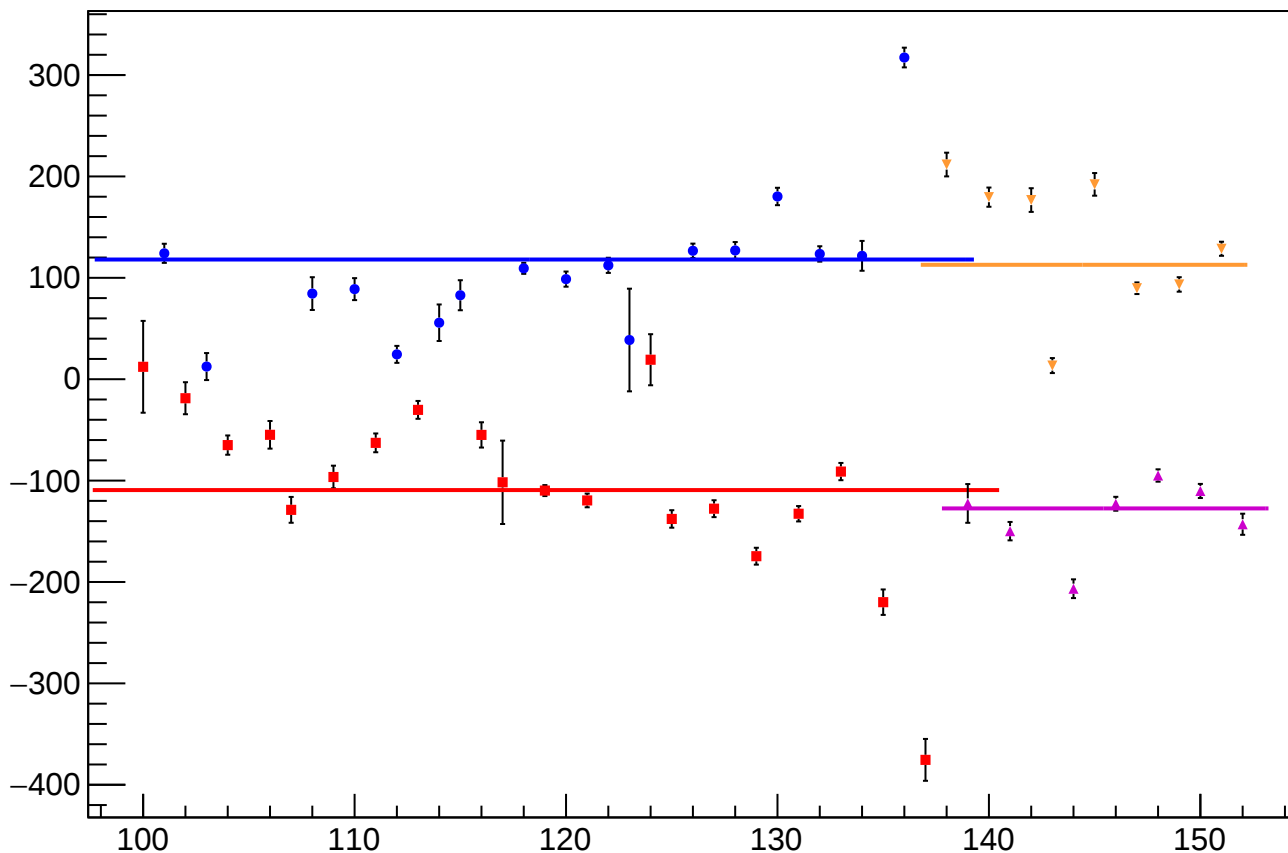
Left In: -483.006 ± 3.740 χ^2/NDF : 250.8/6

439.833 ± 2.551 χ^2/NDF : 4875.2/24

-16.838 ± 1.809 χ^2/NDF : 71835.9/51

-478.392 ± 2.565 χ^2/NDF : 2541.9/26

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

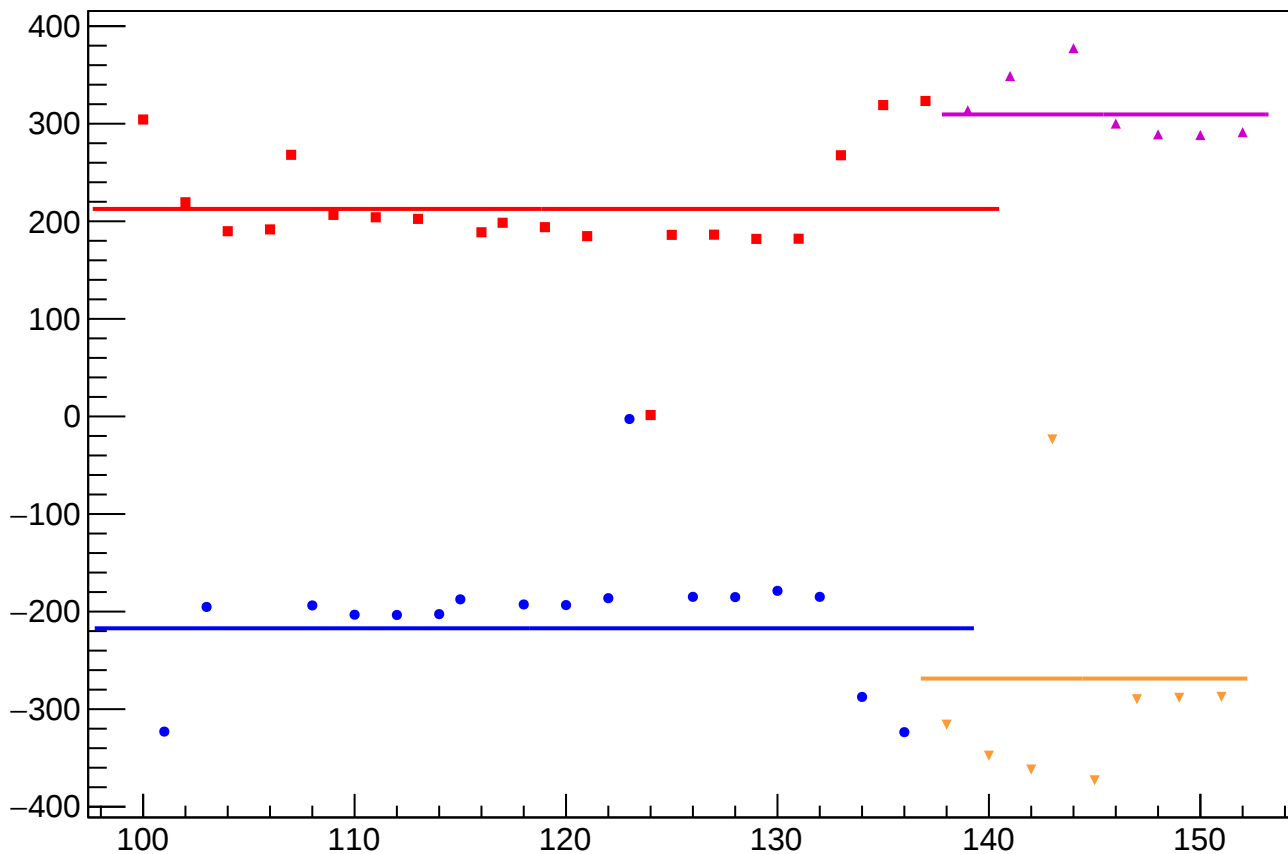
Left In: -127.443 ± 3.091 χ^2/NDF : 116.7/6

116.085 ± 1.755 χ^2/NDF : 1118.1/24

2.825 ± 1.254 χ^2/NDF : 10340.7/51

-115.435 ± 1.793 χ^2/NDF : 709.3/26

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -217.120 ± 0.137 $\chi^2/\text{NDF}: 146559.7/16$

Left Out: -268.611 ± 0.151 $\chi^2/\text{NDF}: 532681.4/7$

Right Out: 212.679 ± 0.130 $\chi^2/\text{NDF}: 115596.4/19$

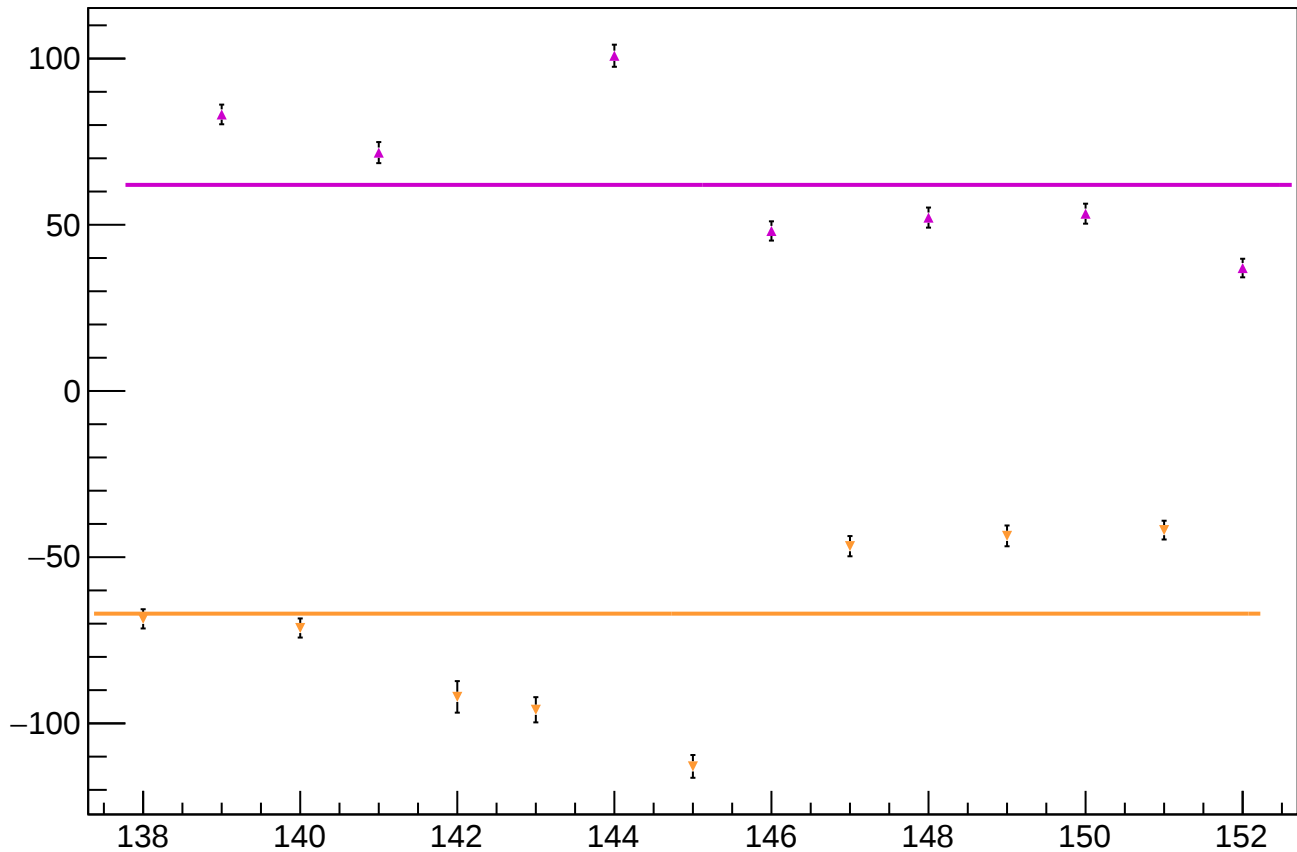
Left In: 309.497 ± 0.156 $\chi^2/\text{NDF}: 34082.1/6$

-240.224 ± 0.101 $\chi^2/\text{NDF}: 743020.7/24$

9.541 ± 0.071 $\chi^2/\text{NDF}: 13081045.5/51$

252.258 ± 0.100 $\chi^2/\text{NDF}: 376379.4/26$

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

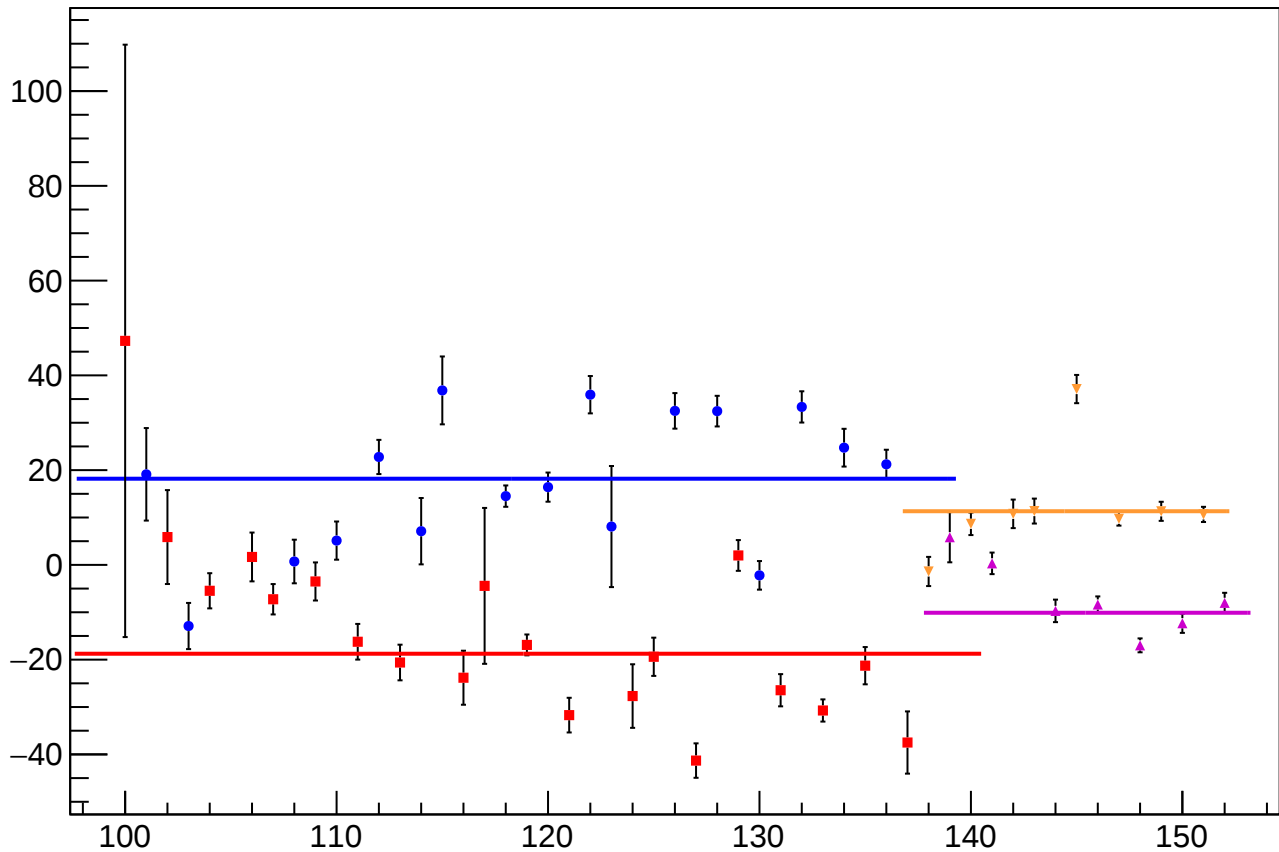
Left In: 62.002+/-1.138 χ^2/NDF : 319.1/6

-66.987+/-1.136 χ^2/NDF : 448.0/7

-2.654+/-0.804 χ^2/NDF : 7202.6/14

62.002+/-1.138 χ^2/NDF : 319.1/6

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.188 $\pm$ 0.917 χ^2 /NDF: 204.9/16

Left Out: 11.325 $\pm$ 0.752 χ^2 /NDF: 94.5/7

Right Out: -18.752 $\pm$ 0.862 χ^2 /NDF: 199.5/19

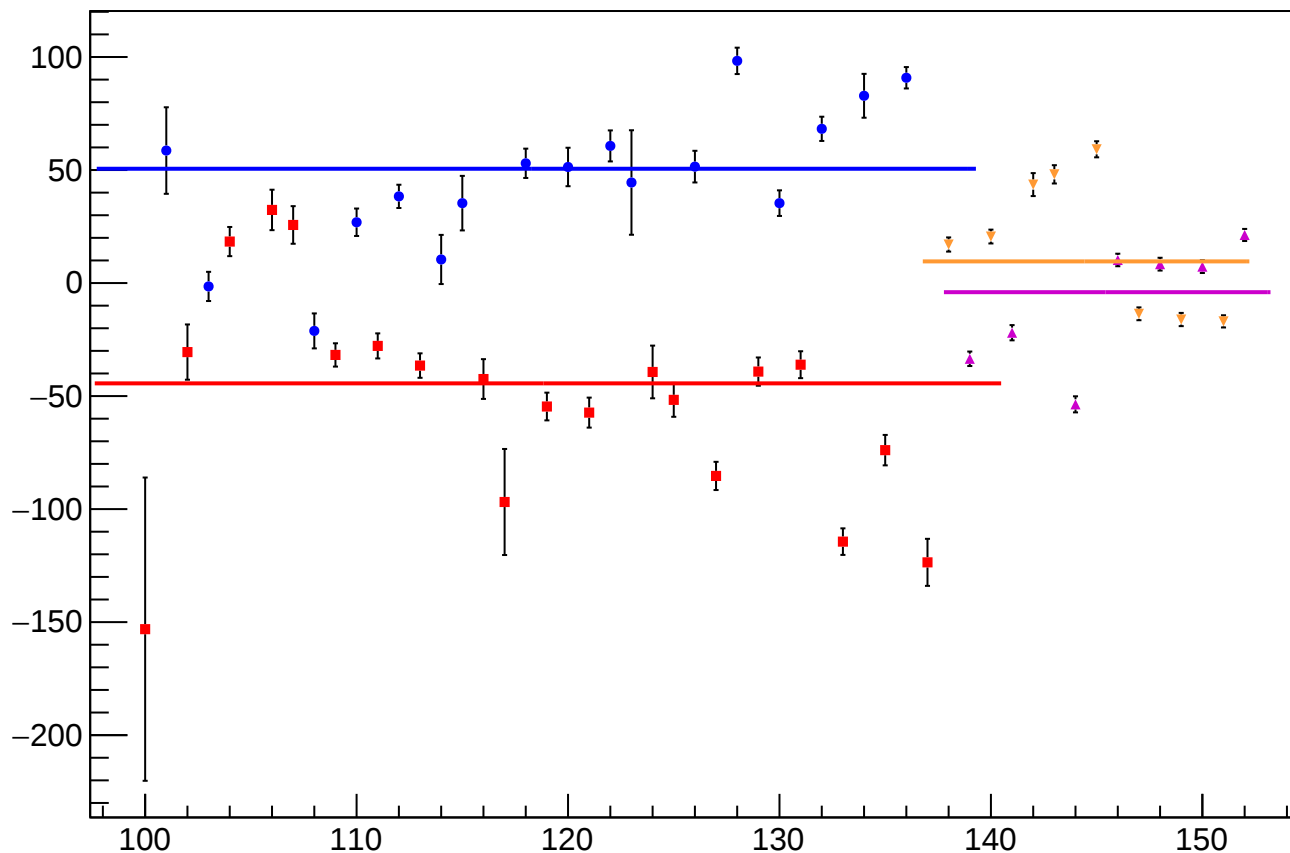
Left In: -10.104 $\pm$ 0.772 χ^2 /NDF: 55.2/6

14.086 $\pm$ 0.582 χ^2 /NDF: 332.9/24

-0.098 $\pm$ 0.409 χ^2 /NDF: 1818.8/51

-13.956 $\pm$ 0.575 χ^2 /NDF: 310.6/26

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 50.565 $\pm$ 1.678 χ^2 /NDF: 357.9/16

Left Out: 9.581 $\pm$ 1.144 χ^2 /NDF: 588.1/7

Right Out: -44.377 $\pm$ 1.599 χ^2 /NDF: 537.6/19

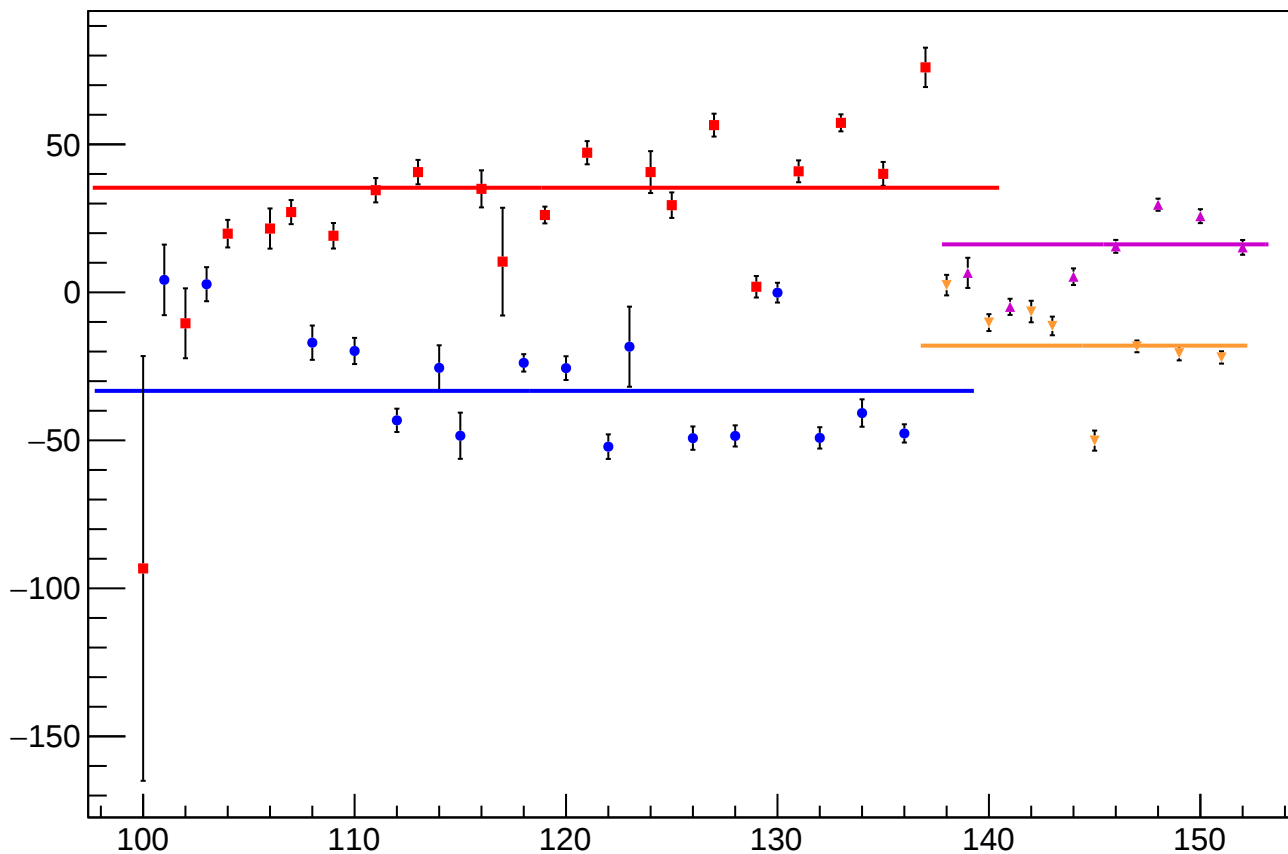
Left In: -4.037 $\pm$ 1.129 χ^2 /NDF: 458.4/6

22.583 $\pm$ 0.945 χ^2 /NDF: 1353.5/24

2.074 $\pm$ 0.660 χ^2 /NDF: 3694.1/51

-17.453 $\pm$ 0.922 χ^2 /NDF: 1420.9/26

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -17.998 ± 0.944 χ^2/NDF : 150.7/7

Right Out: 35.343 ± 0.990 χ^2/NDF : 291.6/19

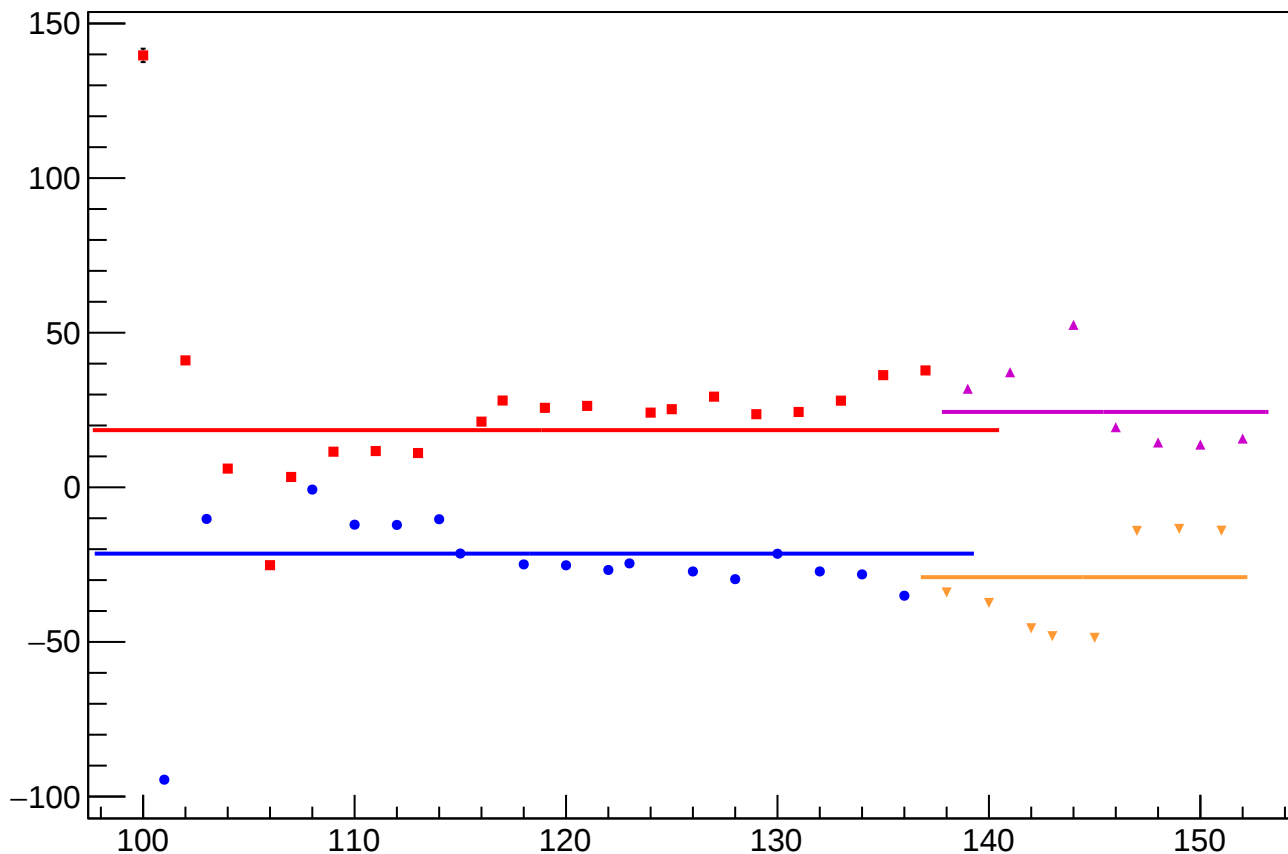
Left In: 16.209 ± 0.959 χ^2/NDF : 137.6/6

-24.880 ± 0.700 χ^2/NDF : 558.7/24

0.708 ± 0.491 χ^2/NDF : 3808.6/51

25.477 ± 0.689 χ^2/NDF : 621.9/26

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 $\chi^2/\text{NDF}: 80549.5/19$

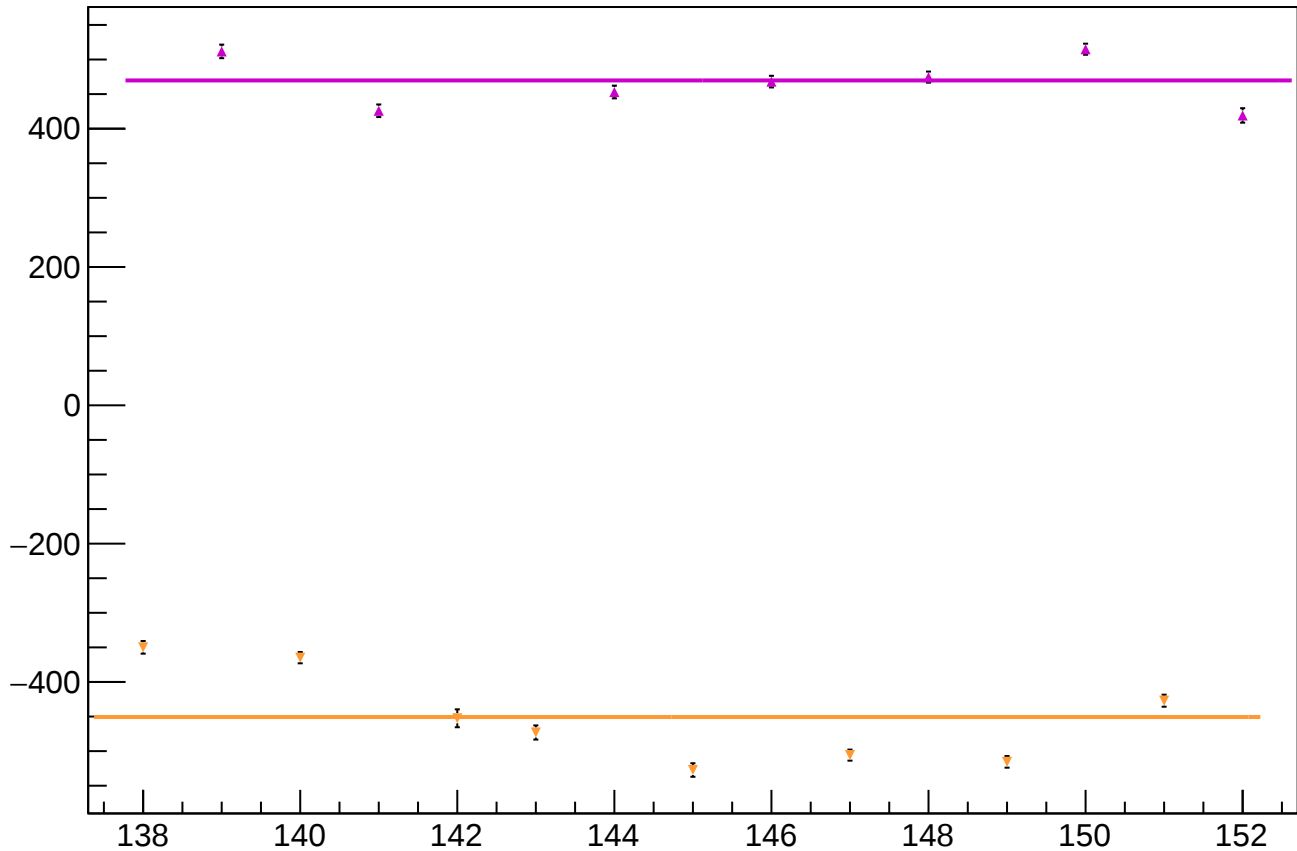
Left In: 24.378 ± 0.047 $\chi^2/\text{NDF}: 68460.8/6$

-25.991 ± 0.037 $\chi^2/\text{NDF}: 148815.8/24$

-1.212 ± 0.026 $\chi^2/\text{NDF}: 1156332.0/51$

22.031 ± 0.036 $\chi^2/\text{NDF}: 155356.9/26$

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

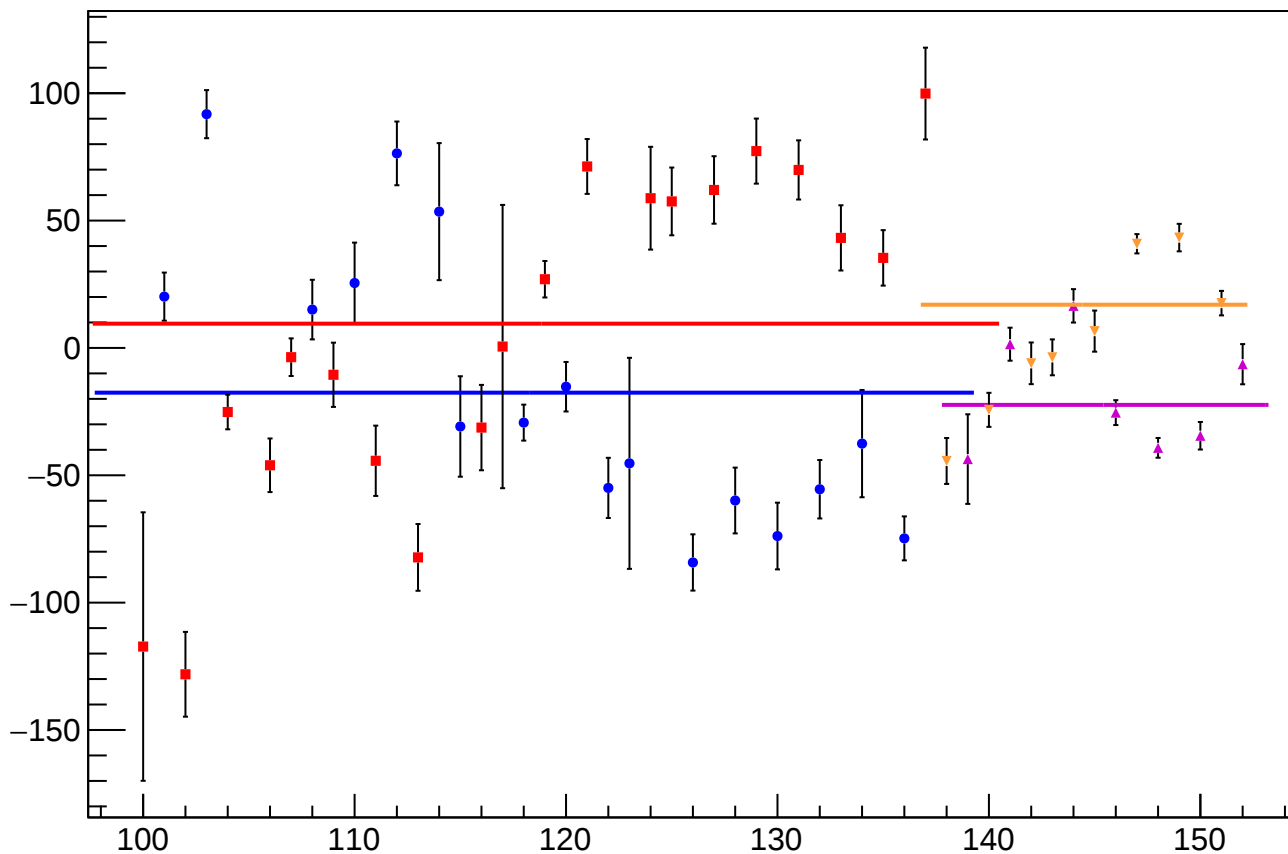
Left In: 469.735+/-3.360 χ^2/NDF : 100.2/6

-450.673+/-3.235 χ^2/NDF : 410.7/7

-7.905+/-2.330 χ^2/NDF : 39460.8/14

469.735+/-3.360 χ^2/NDF : 100.2/6

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 $\chi^2/\text{NDF}: 370.3/19$

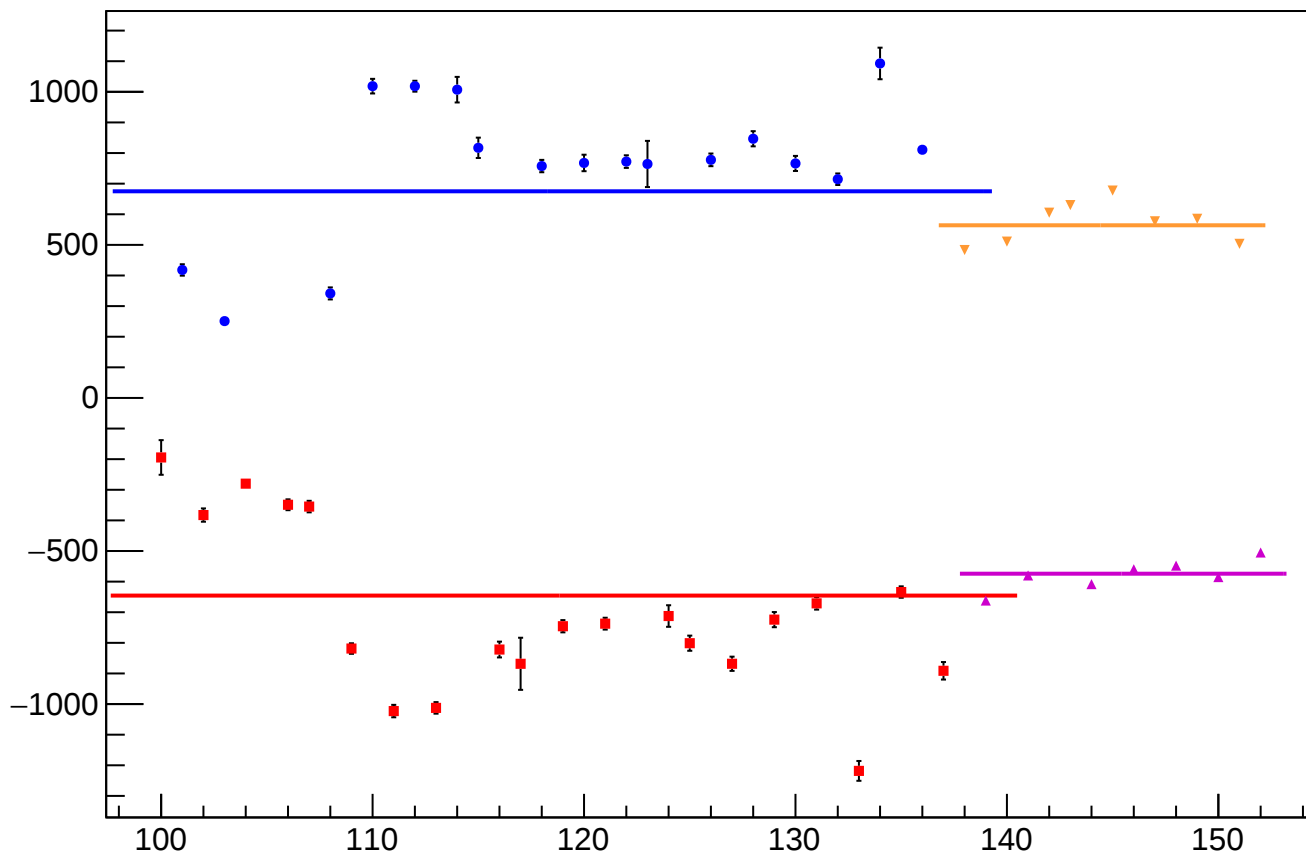
Left In: -22.365 ± 2.188 $\chi^2/\text{NDF}: 78.5/6$

4.848 ± 1.671 $\chi^2/\text{NDF}: 627.4/24$

-2.145 ± 1.183 $\chi^2/\text{NDF}: 1199.2/51$

-9.176 ± 1.676 $\chi^2/\text{NDF}: 536.6/26$

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

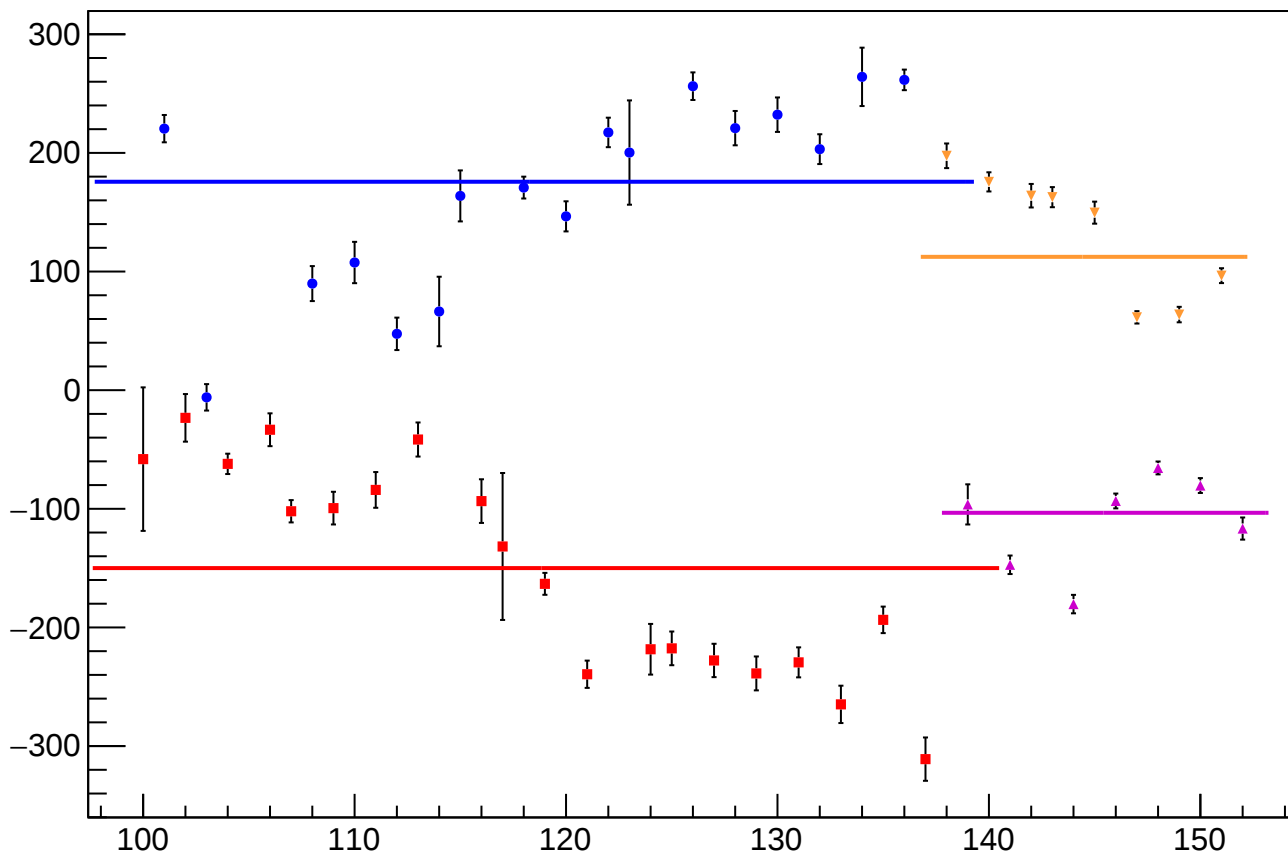
Left In: -574.143 $\pm$ 3.320 χ^2 /NDF:145.6/6

596.361 $\pm$ 2.735 χ^2 /NDF: 3257.2/24

-3.526 $\pm$ 1.929 χ^2 /NDF: 102421.2/51

-597.572 $\pm$ 2.722 χ^2 /NDF: 3426.5/26

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

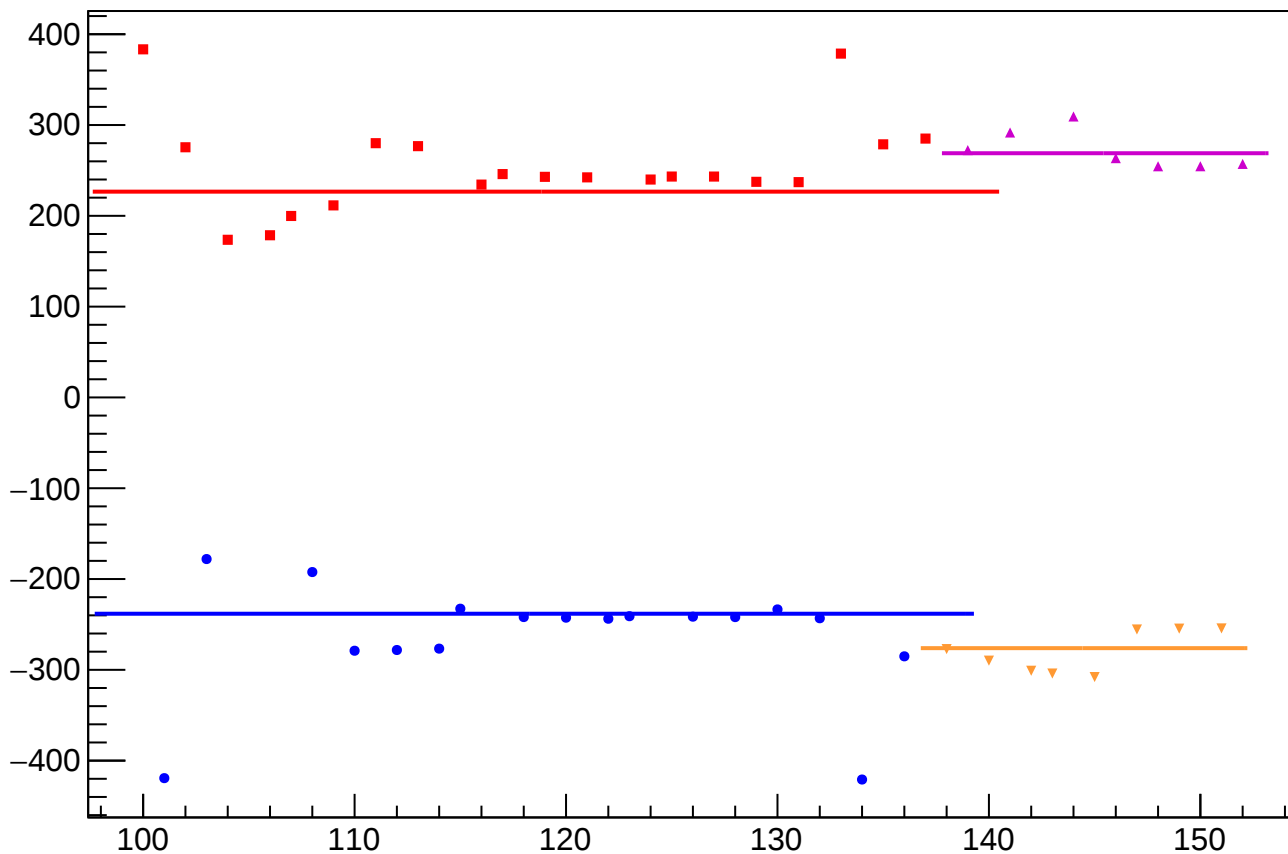
Left In: -103.361 $\pm$ 2.744 χ^2/NDF :196.0/6

137.406 $\pm$ 2.036 χ^2/NDF : 1233.0/24

6.579 $\pm$ 1.440 χ^2/NDF : 10511.9/51

-124.300 $\pm$ 2.036 χ^2/NDF : 1019.4/26

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.217 ± 0.160 $\chi^2/\text{NDF}: 167120.0/16$

Left Out: -276.123 ± 0.139 $\chi^2/\text{NDF}: 24423.5/7$

Right Out: 226.626 ± 0.151 $\chi^2/\text{NDF}: 102587.0/19$

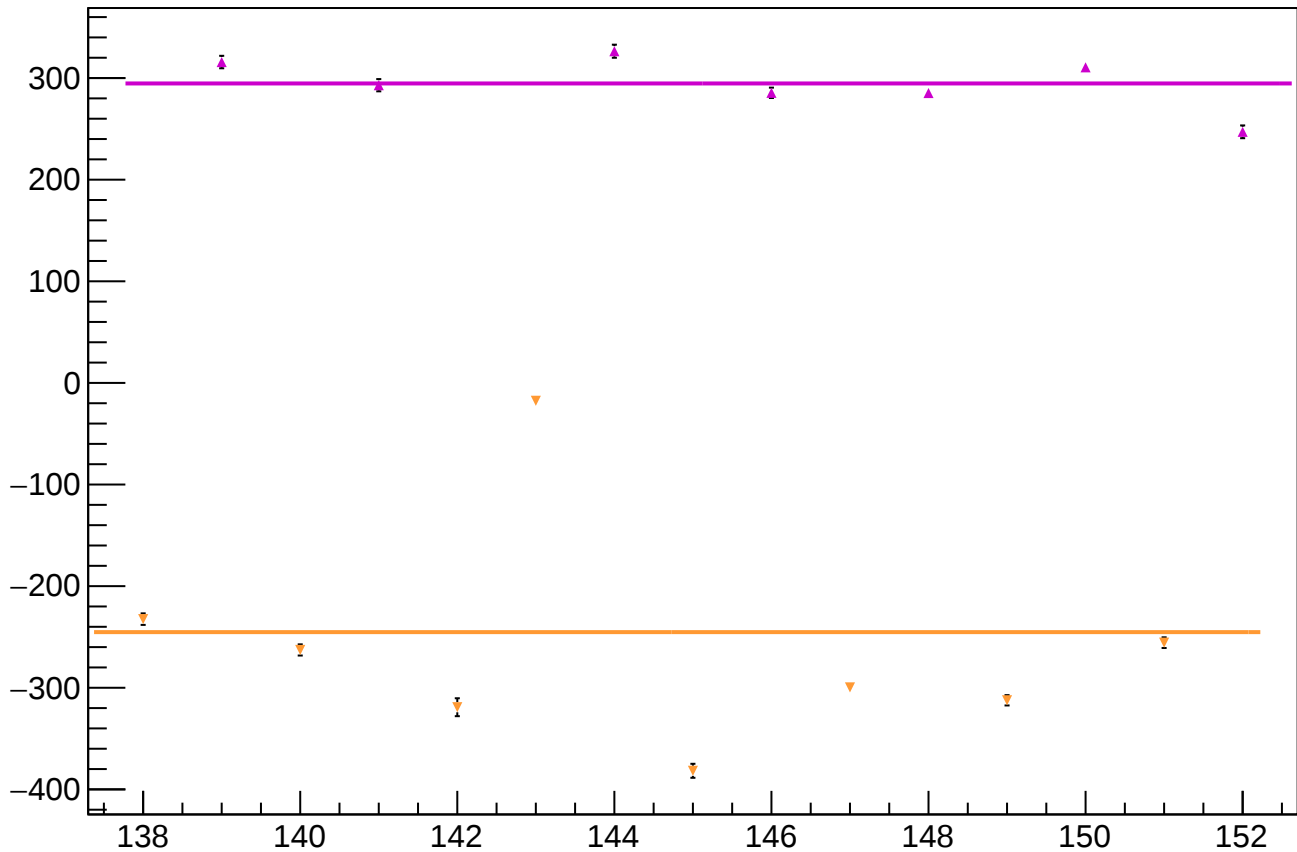
Left In: 268.935 ± 0.139 $\chi^2/\text{NDF}: 17419.4/6$

-259.915 ± 0.105 $\chi^2/\text{NDF}: 223489.2/24$

1.602 ± 0.073 $\chi^2/\text{NDF}: 12489734.1/51$

249.594 ± 0.102 $\chi^2/\text{NDF}: 162560.3/26$

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

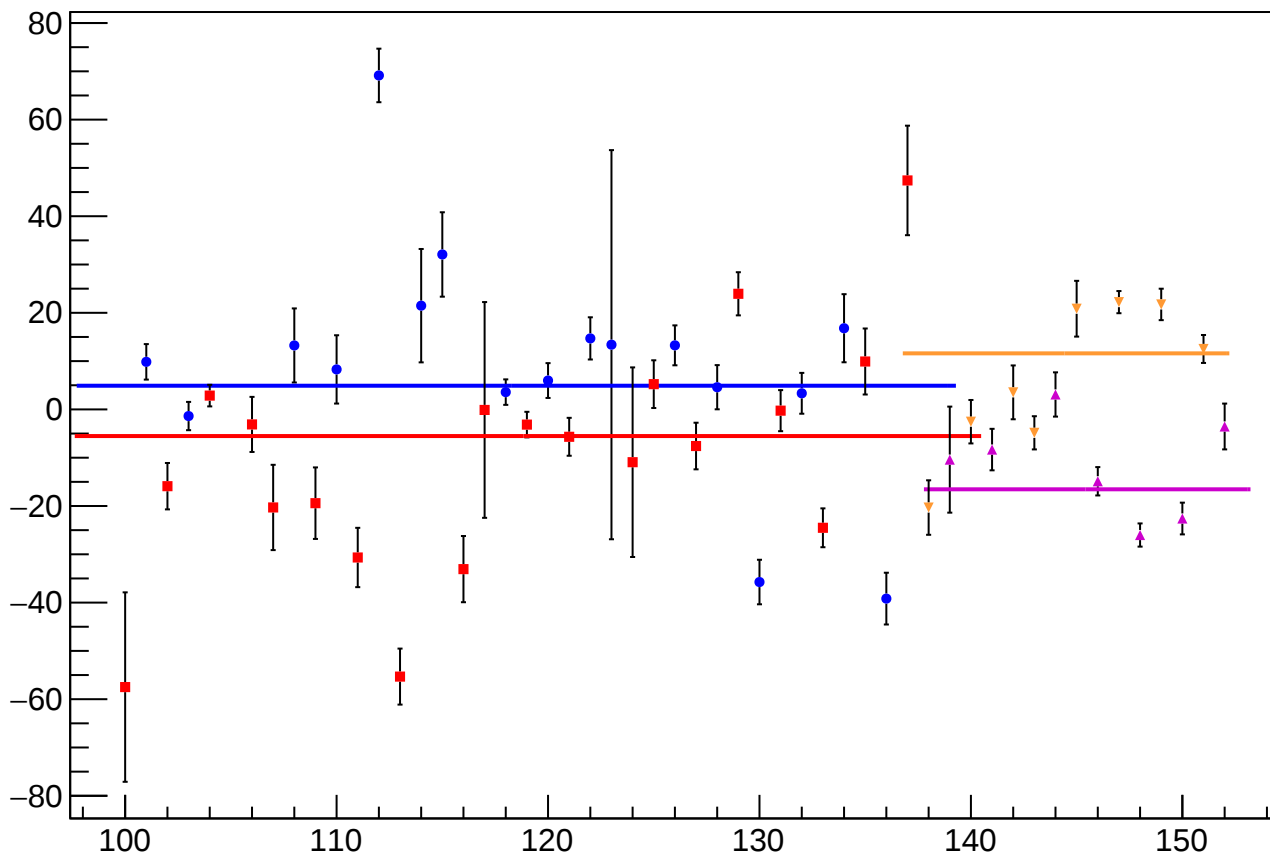
Left In: 294.696+/-2.109 χ^2/NDF : 110.9/6

-245.242+/-1.974 χ^2/NDF : 2900.3/7

6.988+/-1.441 χ^2/NDF : 37945.4/14

294.696+/-2.109 χ^2/NDF : 110.9/6

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

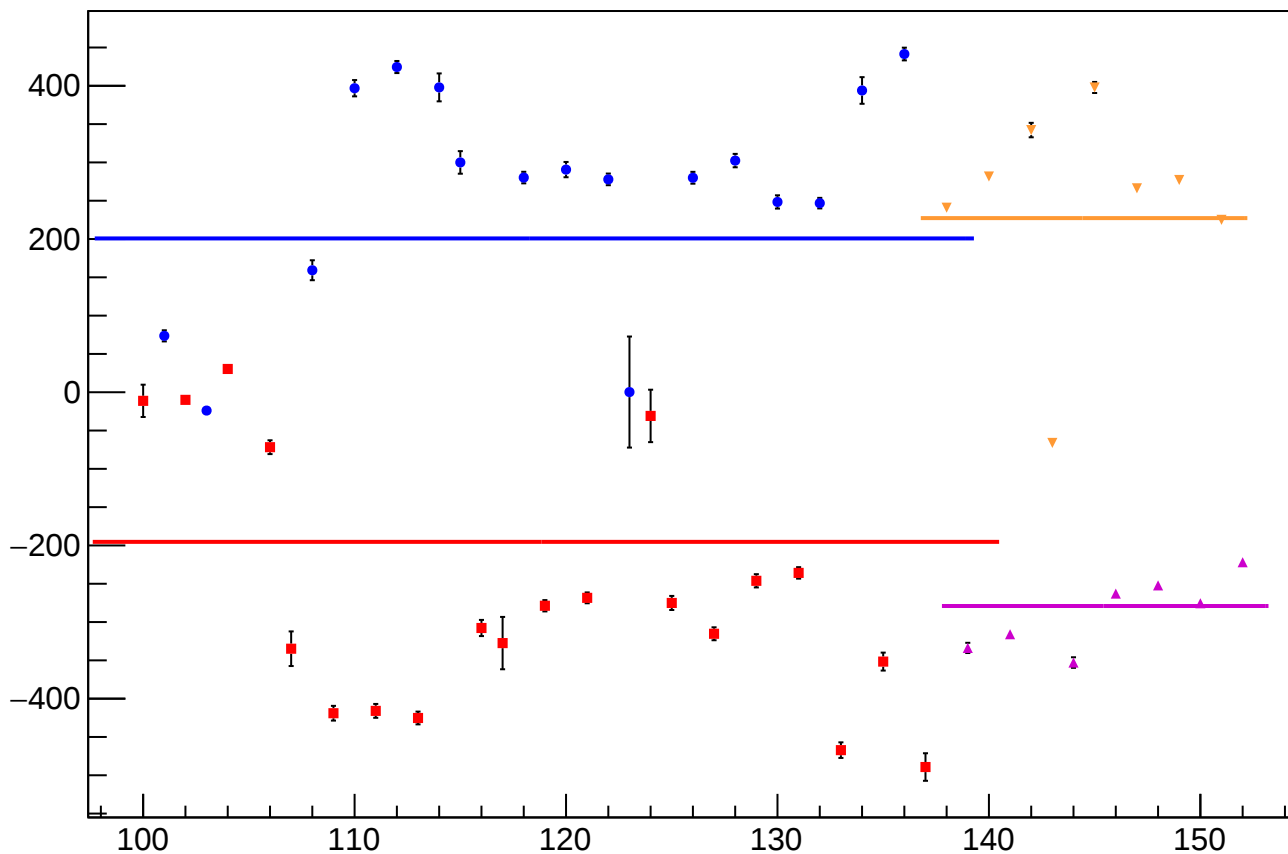
Left In: -16.543 ± 1.365 χ^2/NDF : 49.1/6

7.823 ± 0.831 χ^2/NDF : 428.3/24

-0.832 ± 0.591 χ^2/NDF : 976.7/51

-9.701 ± 0.841 χ^2/NDF : 328.6/26

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

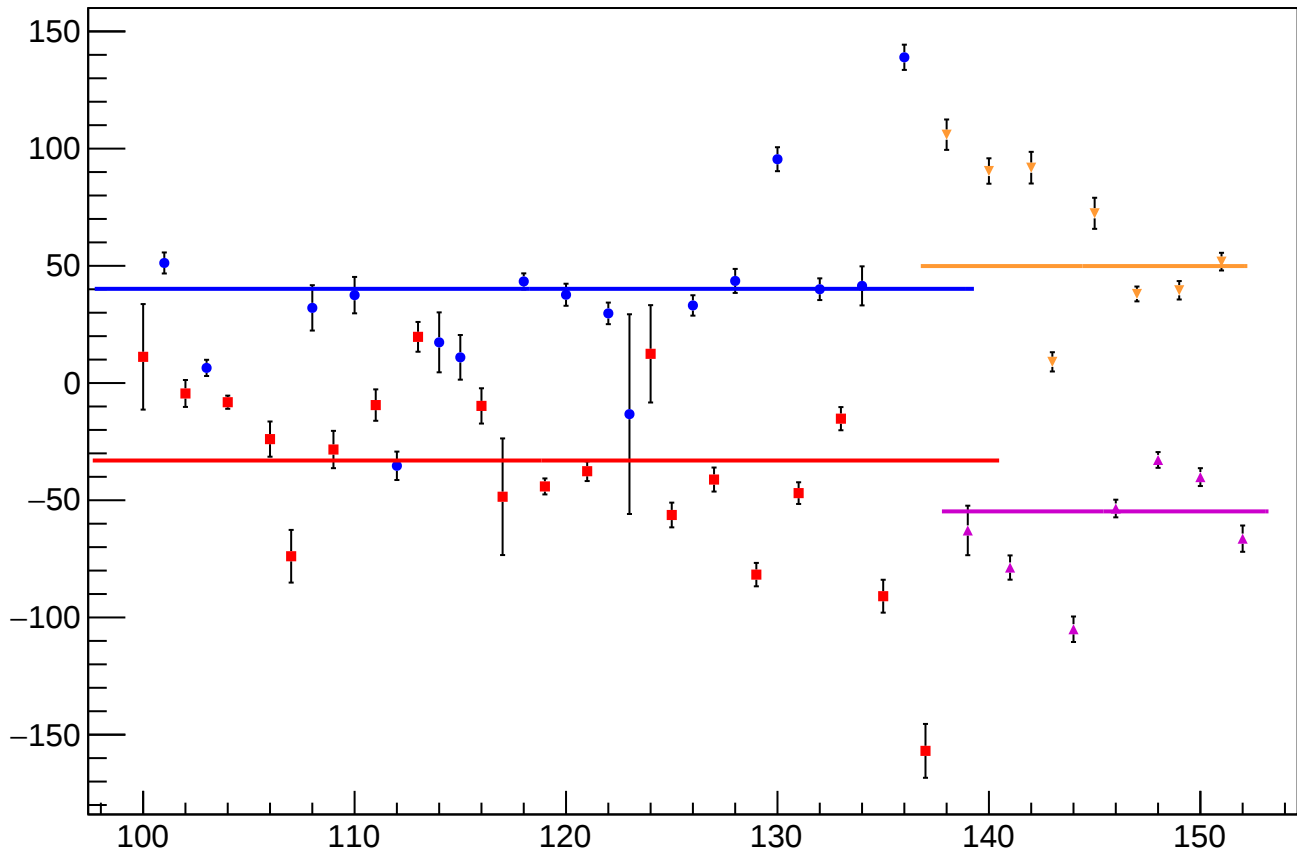
Left In: -279.044 ± 2.074 χ^2/NDF : 350.6/6

214.054 ± 1.401 χ^2/NDF : 10892.1/24

-8.682 ± 0.994 χ^2/NDF : 71194.9/51

-233.964 ± 1.409 χ^2/NDF : 9489.9/26

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 40.185 ± 1.283 $\chi^2/\text{NDF}: 734.6/16$

Left Out: 49.901 ± 1.588 $\chi^2/\text{NDF}: 300.9/7$

Right Out: -33.045 ± 1.249 $\chi^2/\text{NDF}: 553.1/19$

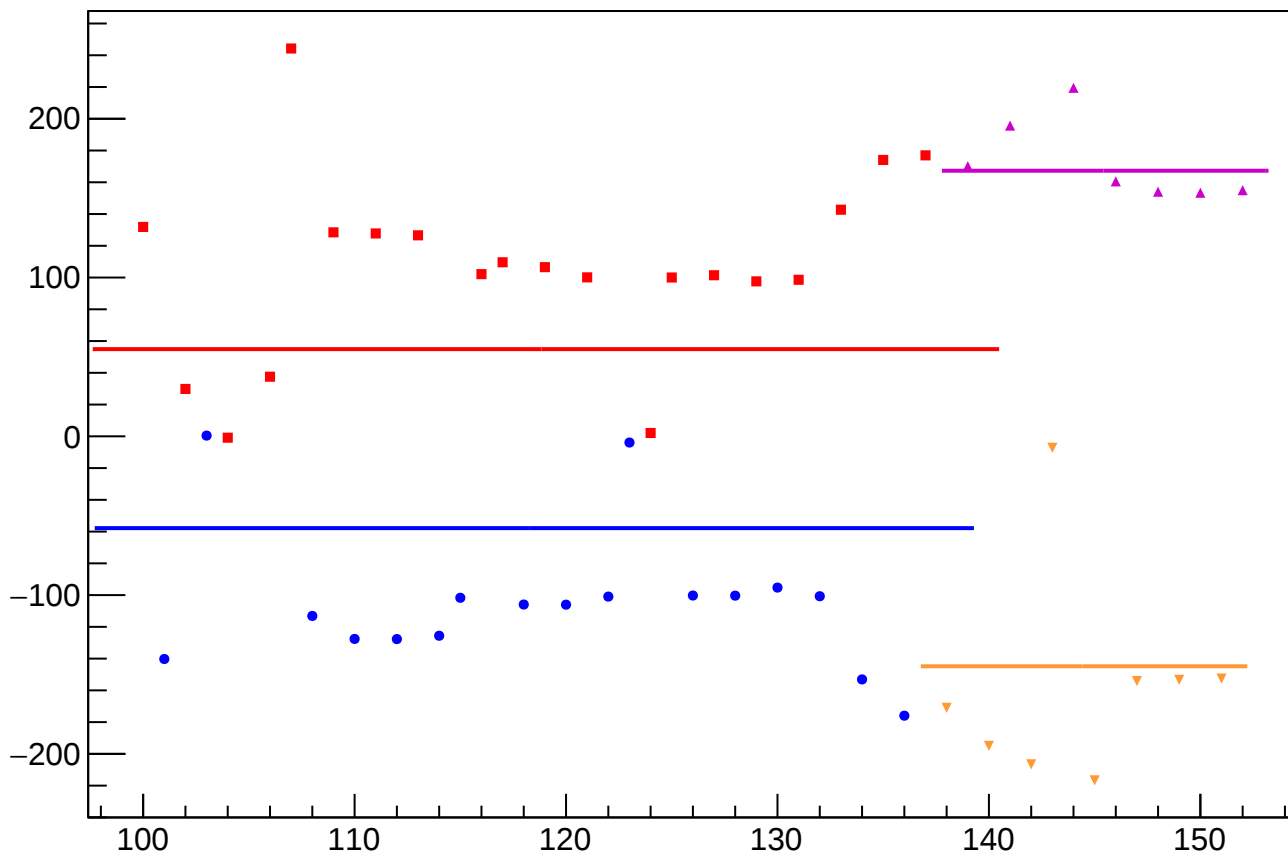
Left In: -54.752 ± 1.715 $\chi^2/\text{NDF}: 169.3/6$

44.023 ± 0.998 $\chi^2/\text{NDF}: 1058.1/24$

2.212 ± 0.710 $\chi^2/\text{NDF}: 5435.3/51$

-40.565 ± 1.010 $\chi^2/\text{NDF}: 827.0/26$

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -57.821+/-0.062 χ^2/NDF : 1101296.2/16

Left Out: -144.832+/-0.084 χ^2/NDF : 569317.8/7

Right Out: 54.915+/-0.060 χ^2/NDF : 1001968.3/19

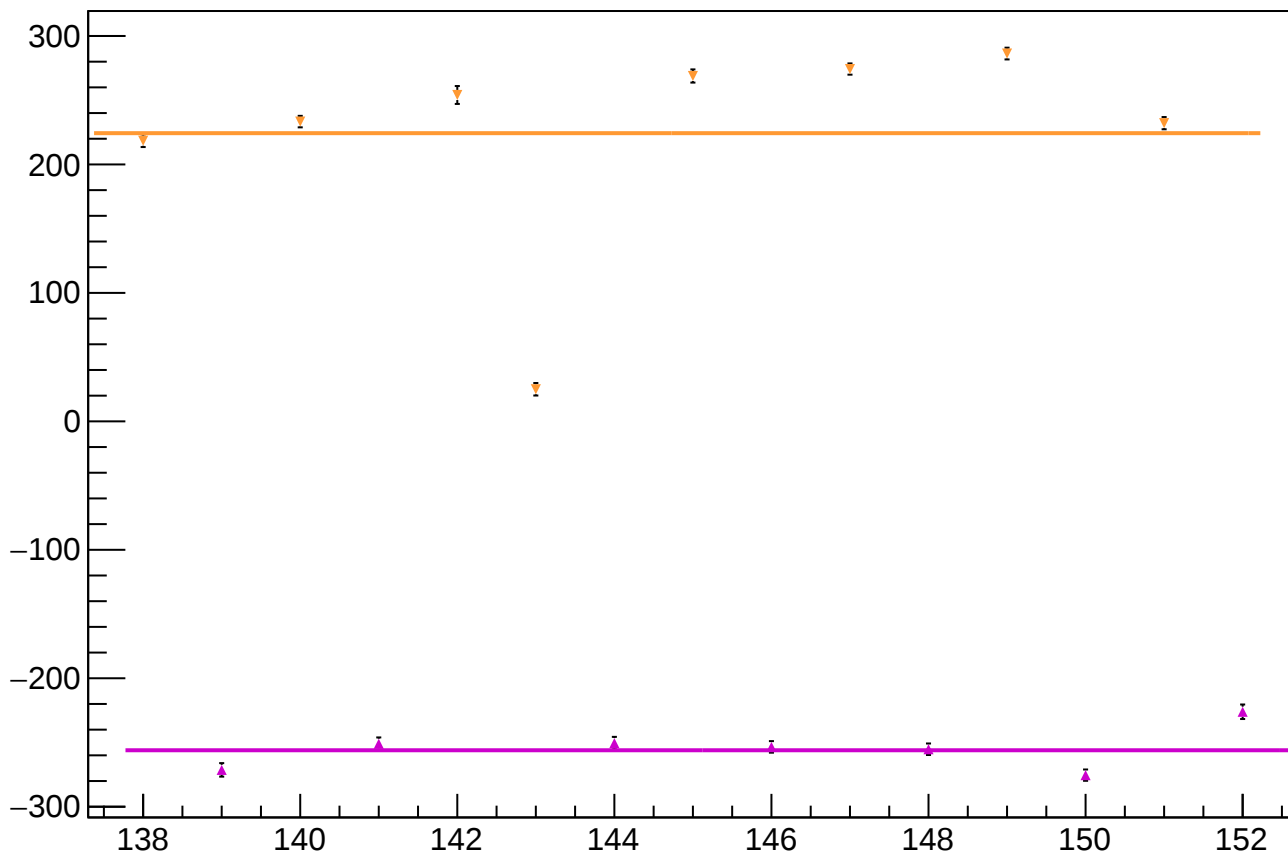
Left In: 167.276+/-0.087 χ^2/NDF : 55092.6/6

-88.200+/-0.050 χ^2/NDF : 2362988.7/24

2.381+/-0.035 χ^2/NDF : 11103592.0/51

91.471+/-0.049 χ^2/NDF : 2190948.9/26

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

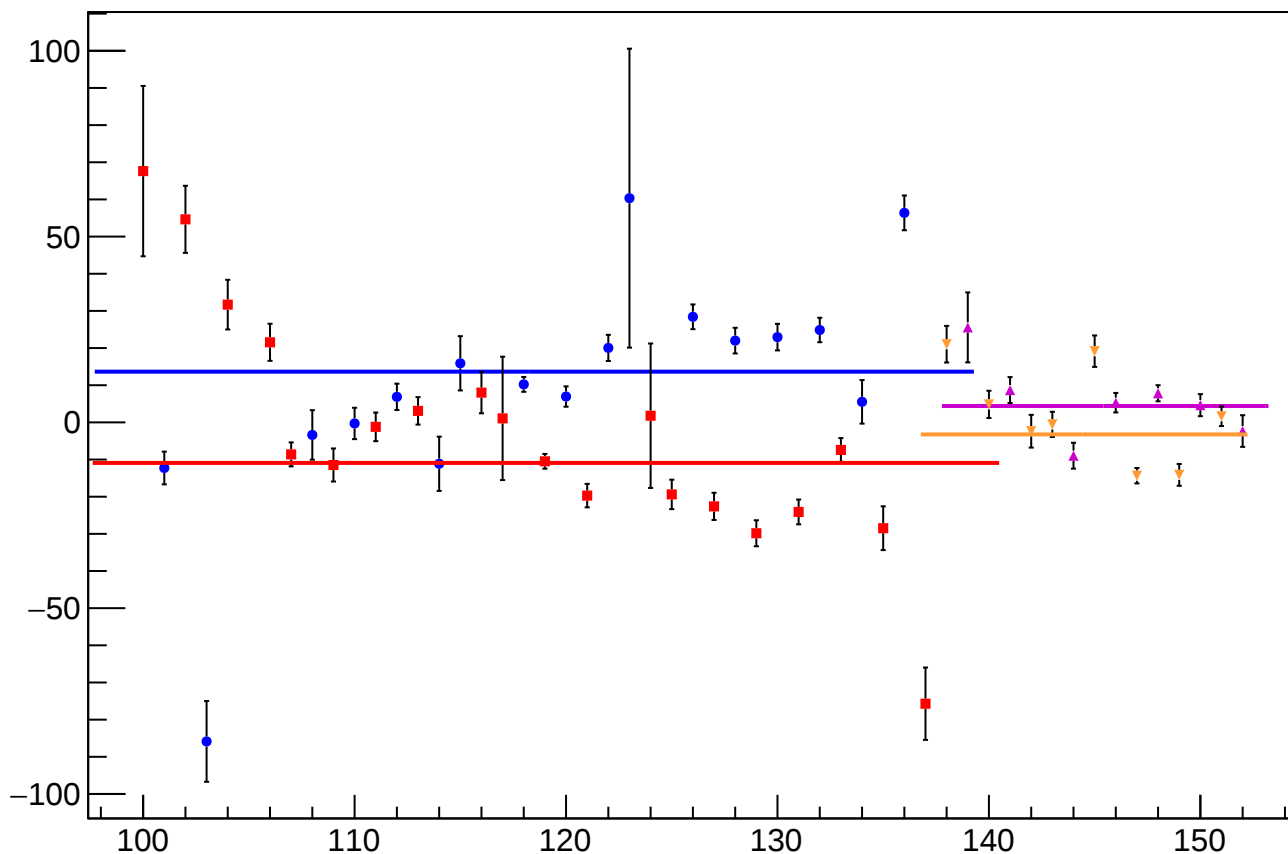
Left In: -256.044+/-1.819 χ^2/NDF : 58.6/6

224.345+/-1.727 χ^2/NDF : 2090.1/7

-3.391+/-1.253 χ^2/NDF : 38815.7/14

-256.044+/-1.819 χ^2/NDF : 58.6/6

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

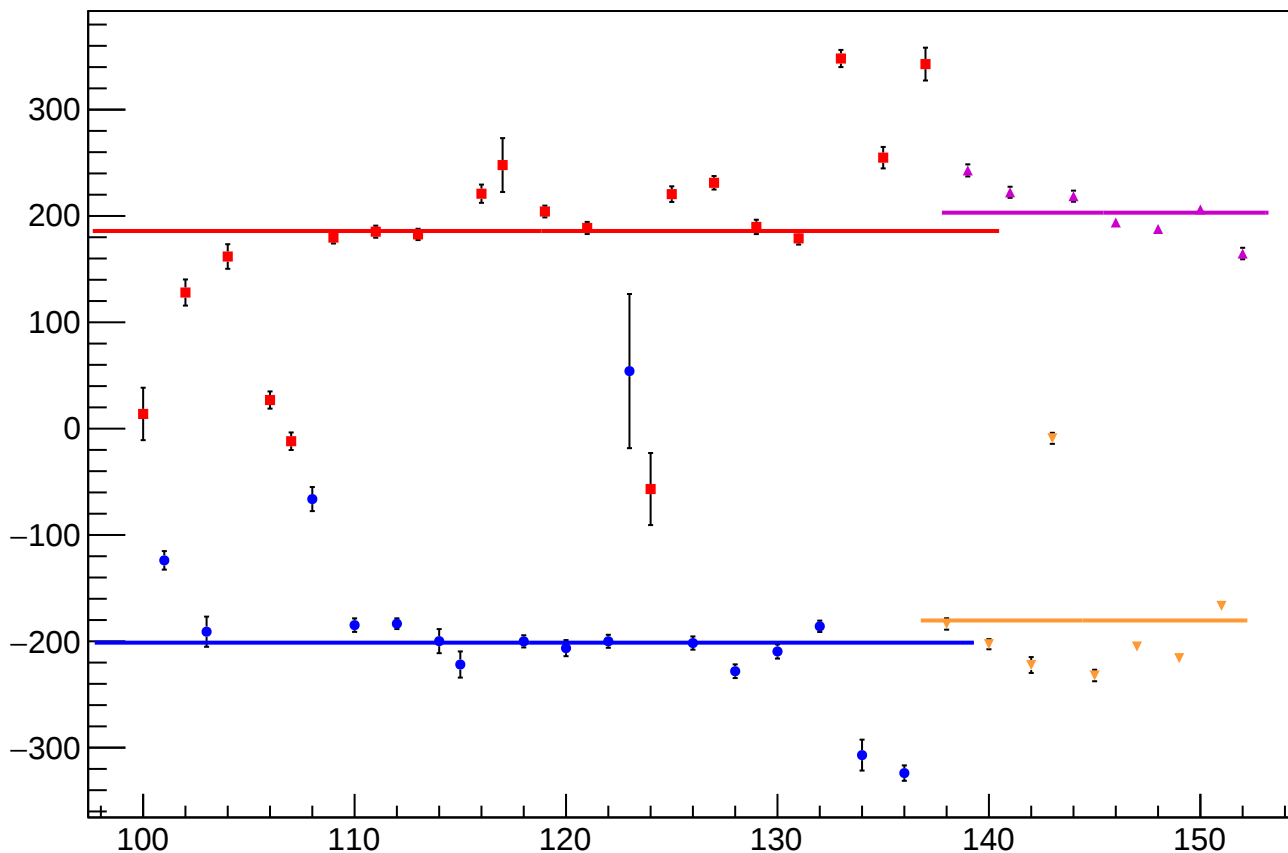
Left In: 4.404 ± 1.194 χ^2/NDF : 26.4/6

6.678 ± 0.717 χ^2/NDF : 532.1/24

0.767 ± 0.510 χ^2/NDF : 1102.7/51

-5.265 ± 0.725 χ^2/NDF : 433.4/26

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -201.266 ± 1.795 $\chi^2/\text{NDF}: 623.4/16$

Left Out: -180.412 ± 1.740 $\chi^2/\text{NDF}: 1343.8/7$

Right Out: 185.871 ± 1.695 $\chi^2/\text{NDF}: 1752.0/19$

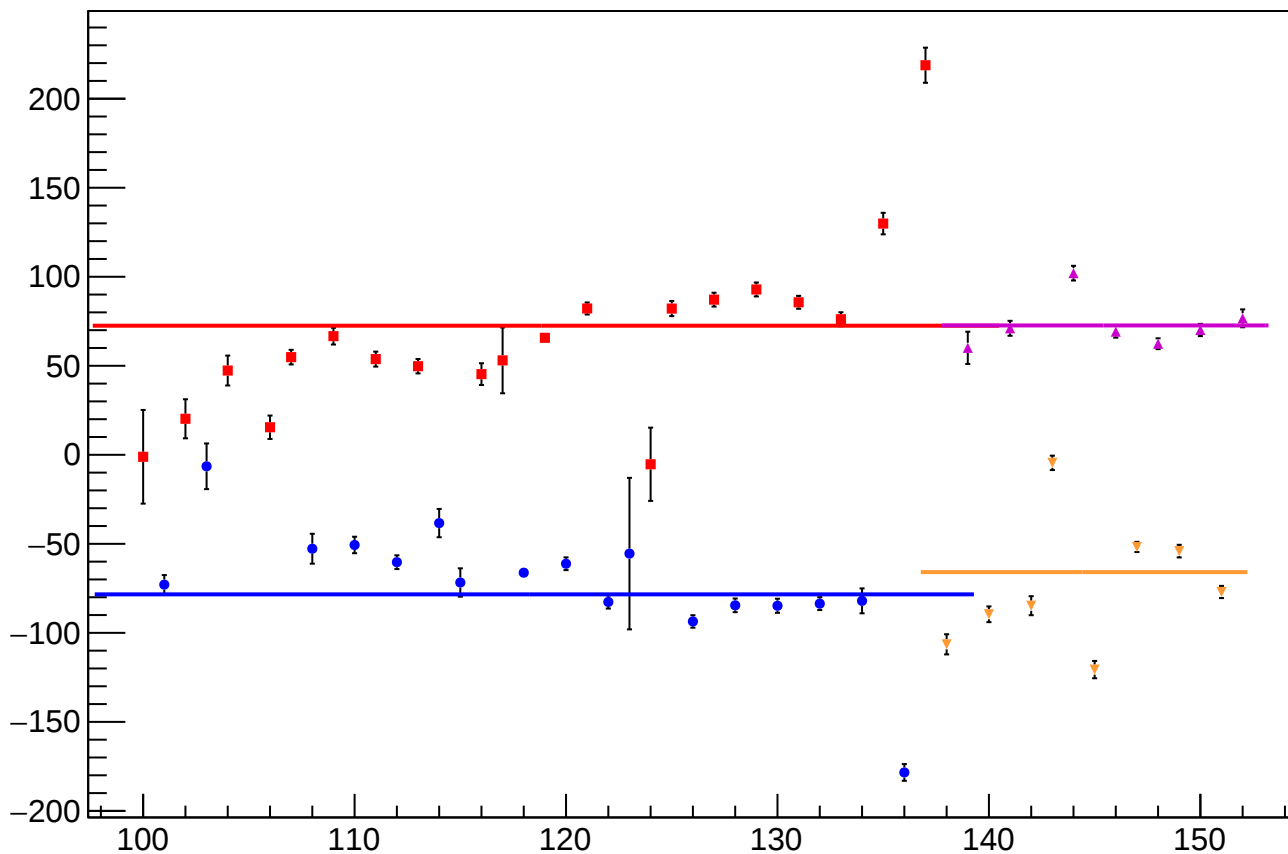
Left In: 203.106 ± 1.801 $\chi^2/\text{NDF}: 139.8/6$

-190.510 ± 1.249 $\chi^2/\text{NDF}: 2036.8/24$

4.045 ± 0.878 $\chi^2/\text{NDF}: 51900.0/51$

193.971 ± 1.234 $\chi^2/\text{NDF}: 1940.4/26$

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

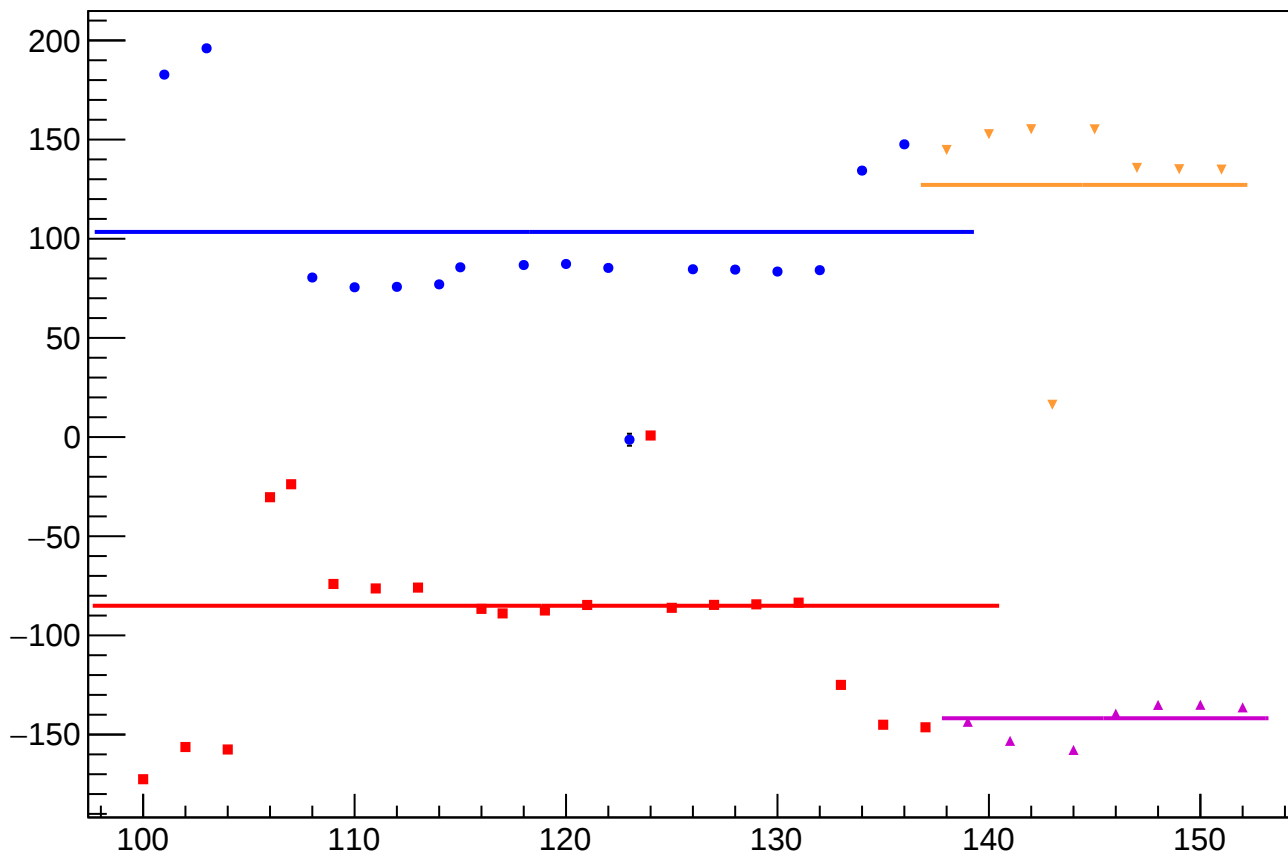
Left In: 72.658 ± 1.493 χ^2/NDF : 66.4/6

-73.721 ± 0.857 χ^2/NDF : 1196.7/24

-0.767 ± 0.607 χ^2/NDF : 16412.7/51

72.561 ± 0.859 χ^2/NDF : 673.3/26

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

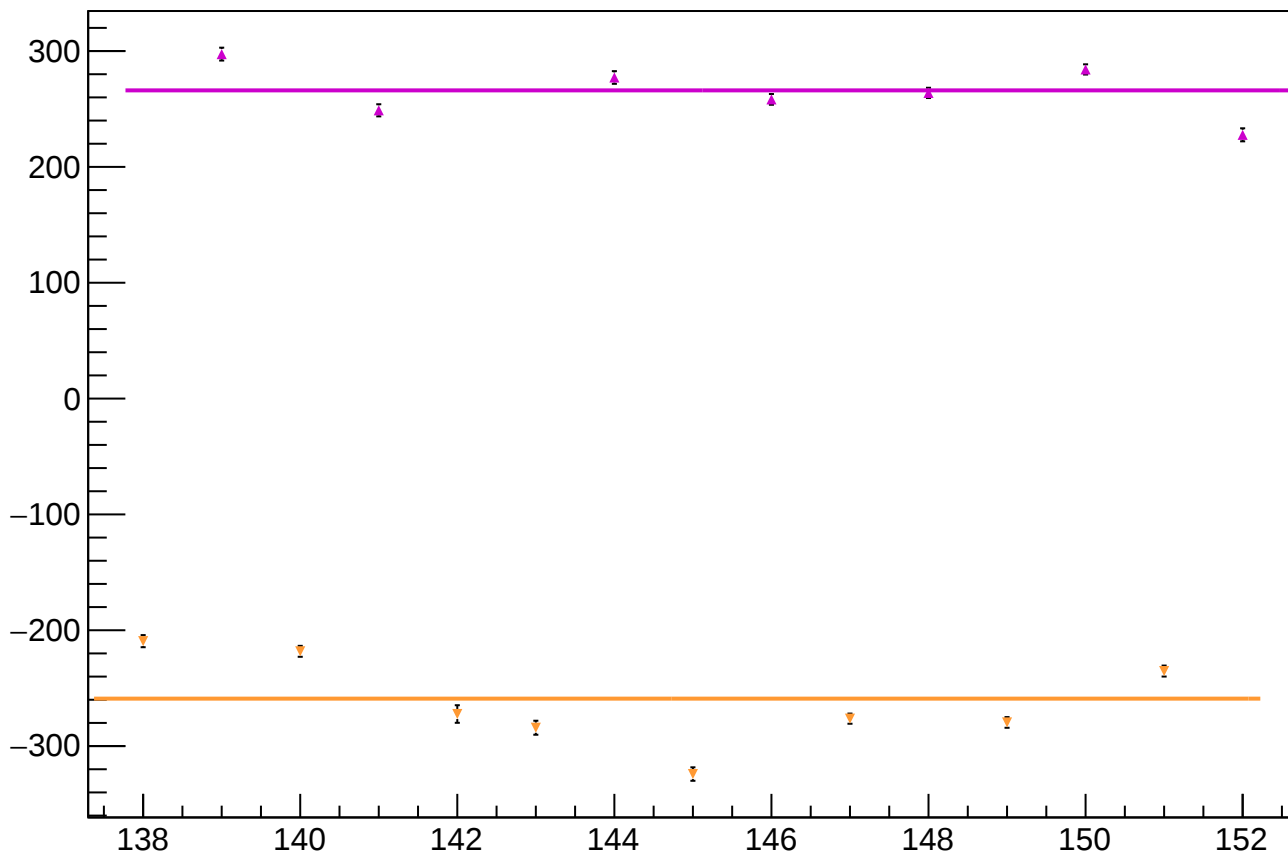
Left In: -141.779+/-0.075 χ^2/NDF : 11599.2/6

114.798+/-0.051 χ^2/NDF : 663977.8/24

-2.741+/-0.035 χ^2/NDF : 11469850.3/51

-108.733+/-0.049 χ^2/NDF : 765547.4/26

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

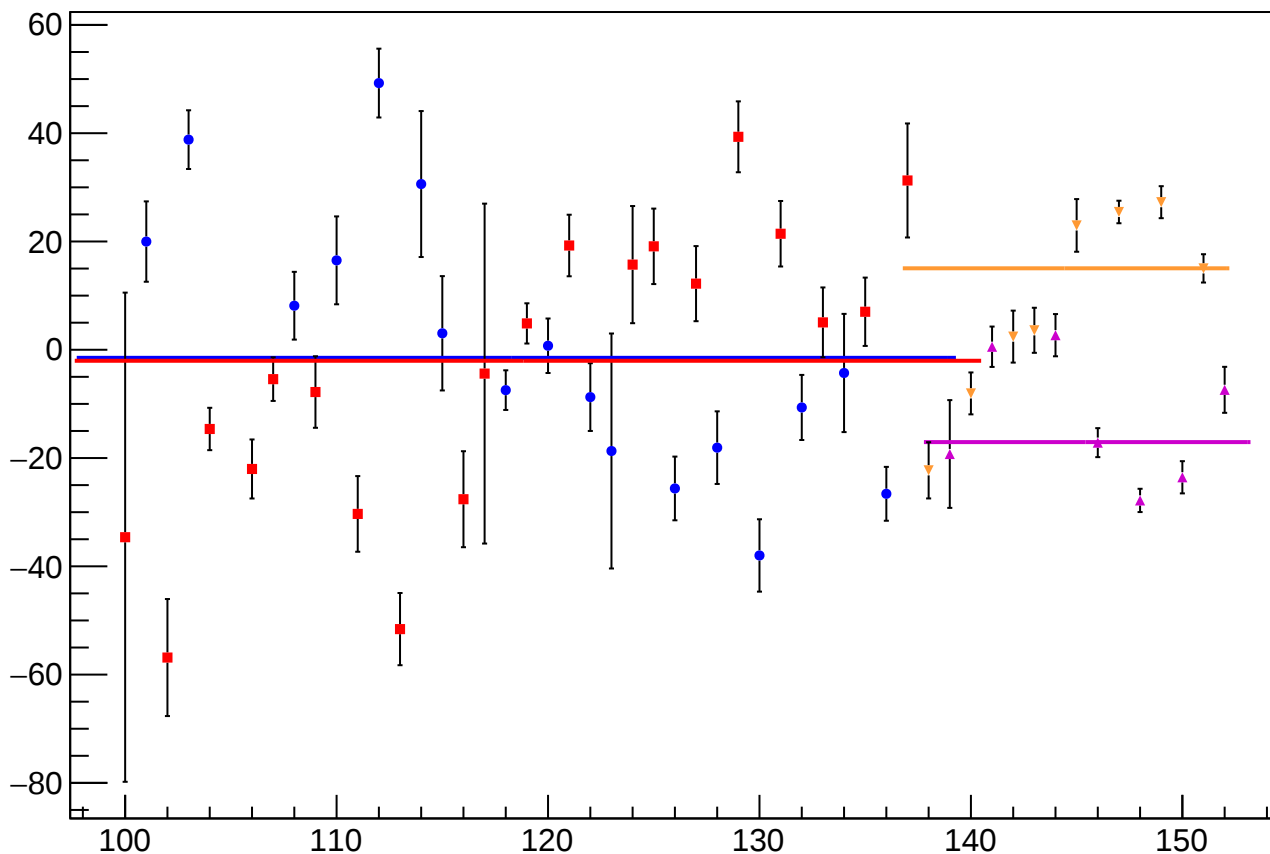
Left In: 266.062+/-1.881 χ^2/NDF : 113.0/6

-259.032+/-1.830 χ^2/NDF : 370.2/7

-3.628+/-1.312 χ^2/NDF : 40525.4/14

266.062+/-1.881 χ^2/NDF : 113.0/6

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.490 ± 1.536 χ^2/NDF : 226.0/16

Left Out: 15.045 ± 1.163 χ^2/NDF : 146.4/7

Right Out: -2.032 ± 1.398 χ^2/NDF : 233.3/19

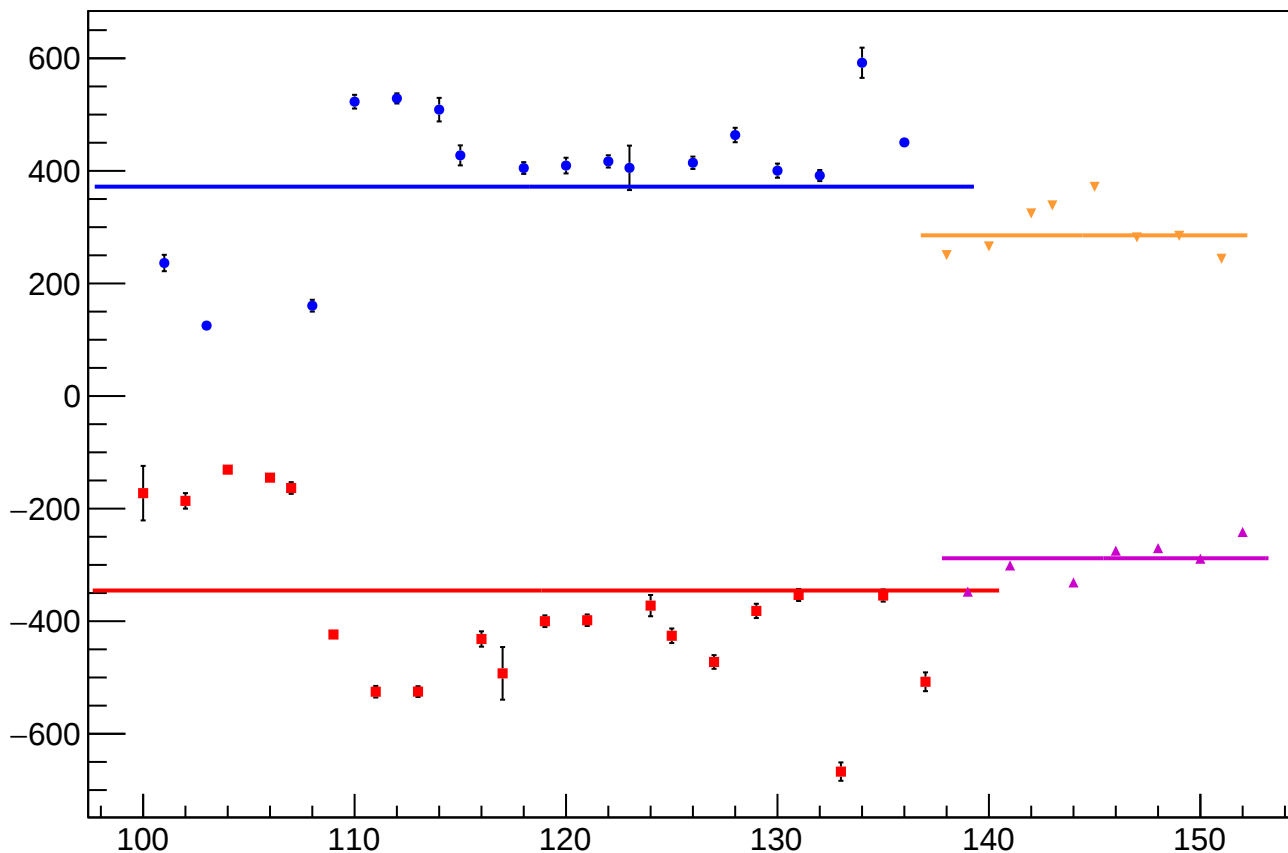
Left In: -17.056 ± 1.220 χ^2/NDF : 83.1/6

9.018 ± 0.927 χ^2/NDF : 446.0/24

-0.861 ± 0.653 χ^2/NDF : 1052.8/51

-10.563 ± 0.919 χ^2/NDF : 381.9/26

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 371.975 $\pm$ 2.778 χ^2/NDF : 2432.6/16

Left Out: 285.465 $\pm$ 1.830 χ^2/NDF : 428.8/7

Right Out: -345.485 $\pm$ 2.558 χ^2/NDF : 3425.1/19

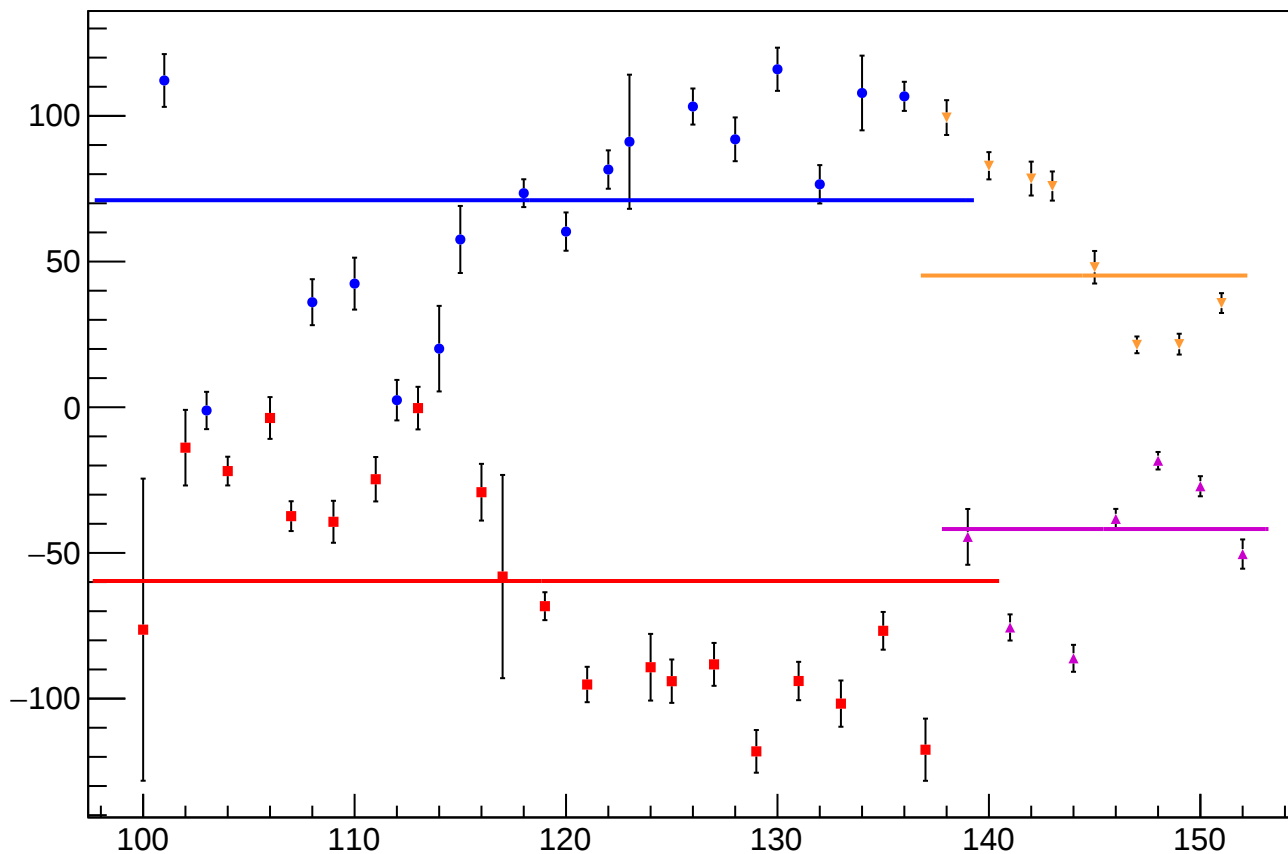
Left In: -288.197 $\pm$ 1.853 χ^2/NDF : 259.2/6

311.657 $\pm$ 1.528 χ^2/NDF : 3537.7/24

-3.806 $\pm$ 1.071 χ^2/NDF : 91221.0/51

-307.908 $\pm$ 1.501 χ^2/NDF : 4013.3/26

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

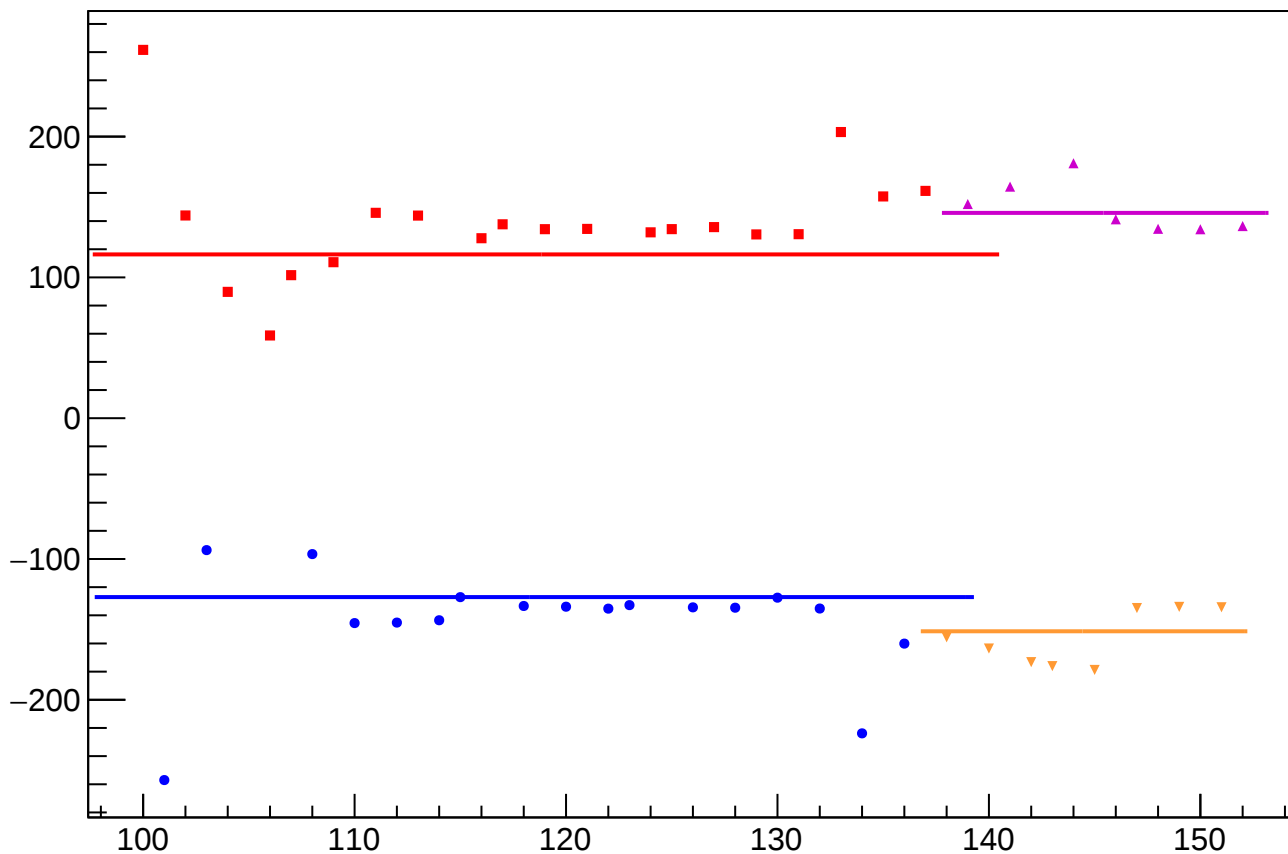
Left In: -41.797+/-1.531 χ^2/NDF : 231.6/6

55.821+/-1.130 χ^2/NDF : 890.7/24

2.145+/-0.794 χ^2/NDF : 6130.0/51

-50.163+/-1.116 χ^2/NDF : 786.9/26

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

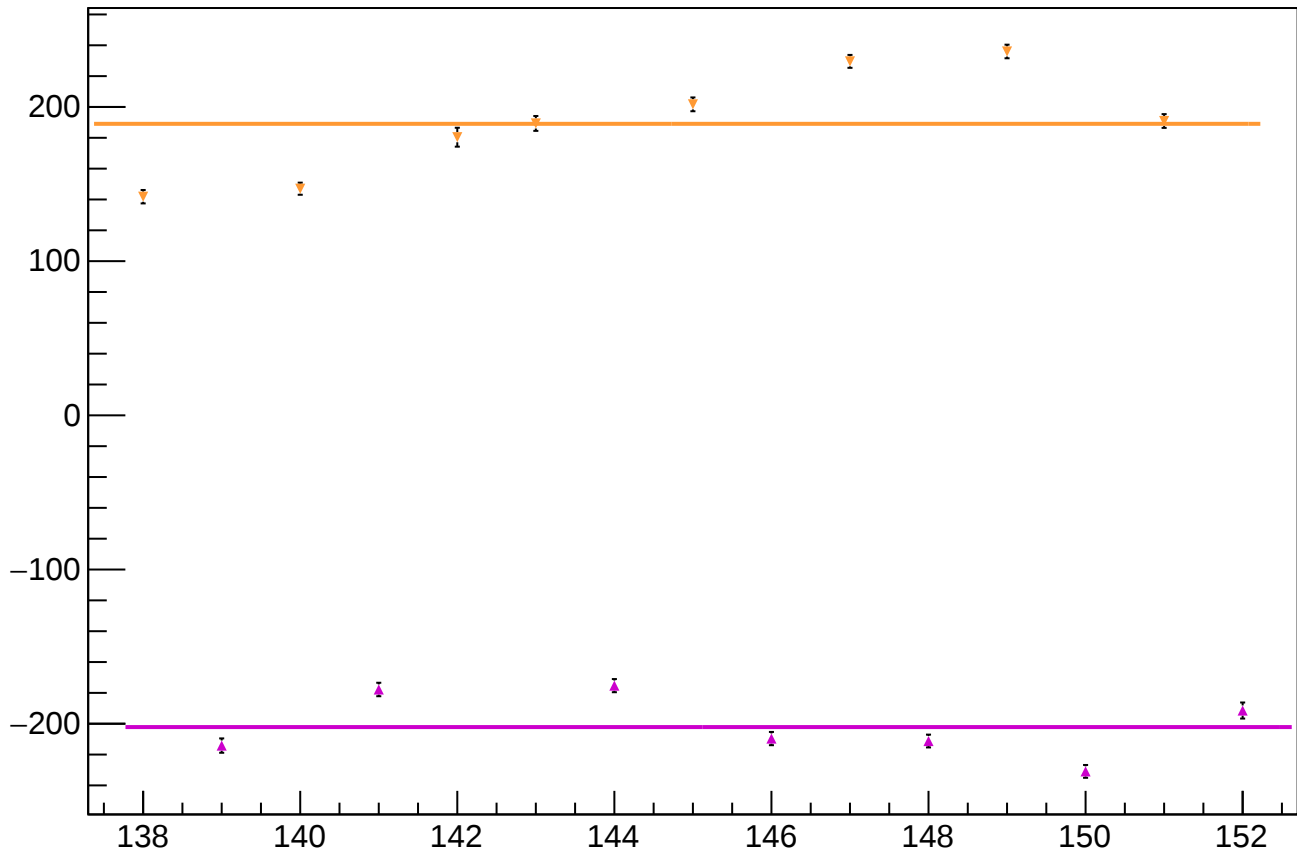
Left In: 145.816+/-0.077 χ^2/NDF : 37490.1/6

-140.840+/-0.059 χ^2/NDF : 262002.9/24

1.340+/-0.041 χ^2/NDF : 11673826.2/51

132.079+/-0.057 χ^2/NDF : 272254.3/26

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

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

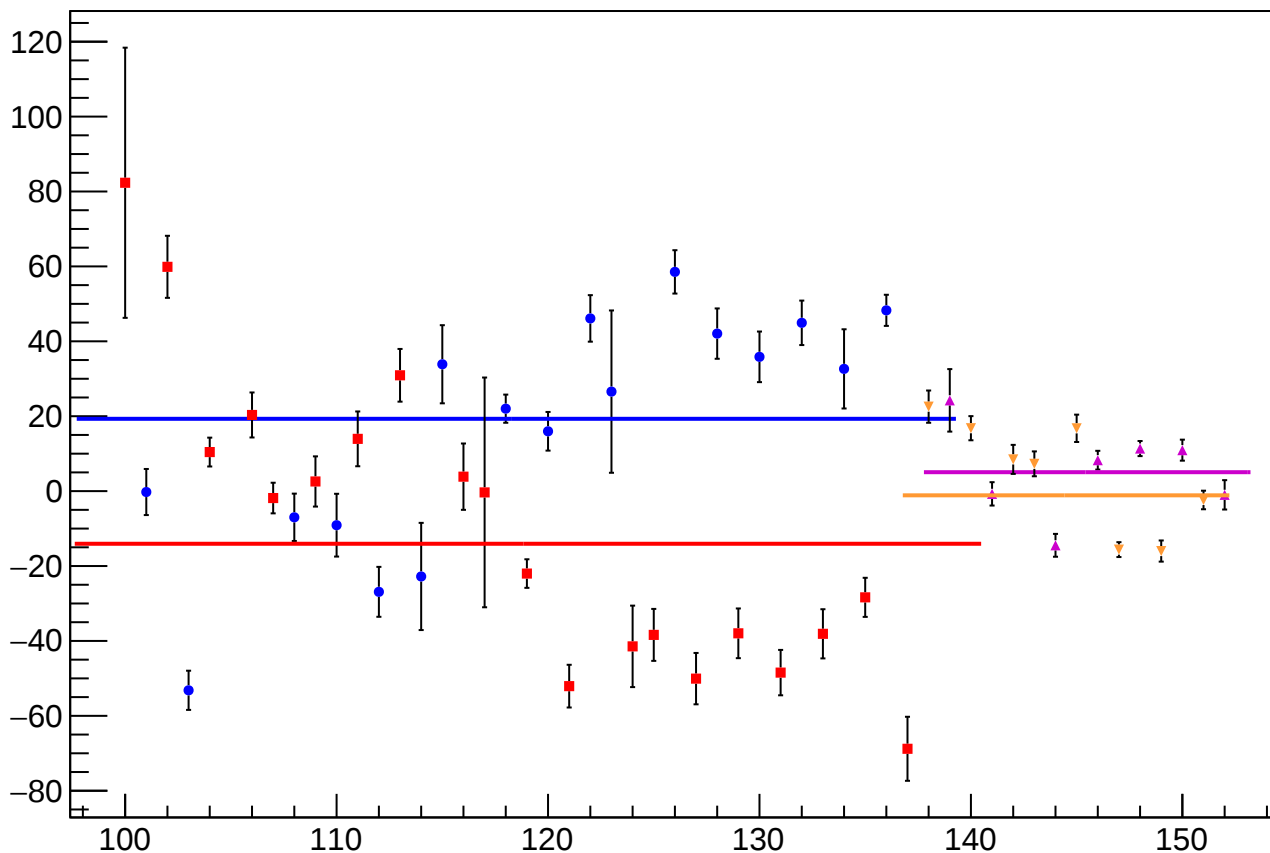
Left In: -202.174+/-1.667 χ^2/NDF : 137.1/6

189.066+/-1.590 χ^2/NDF : 449.3/7

2.625+/-1.151 χ^2/NDF : 29426.6/14

-202.174+/-1.667 χ^2/NDF : 137.1/6

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 $\chi^2/\text{NDF}: 437.1/19$

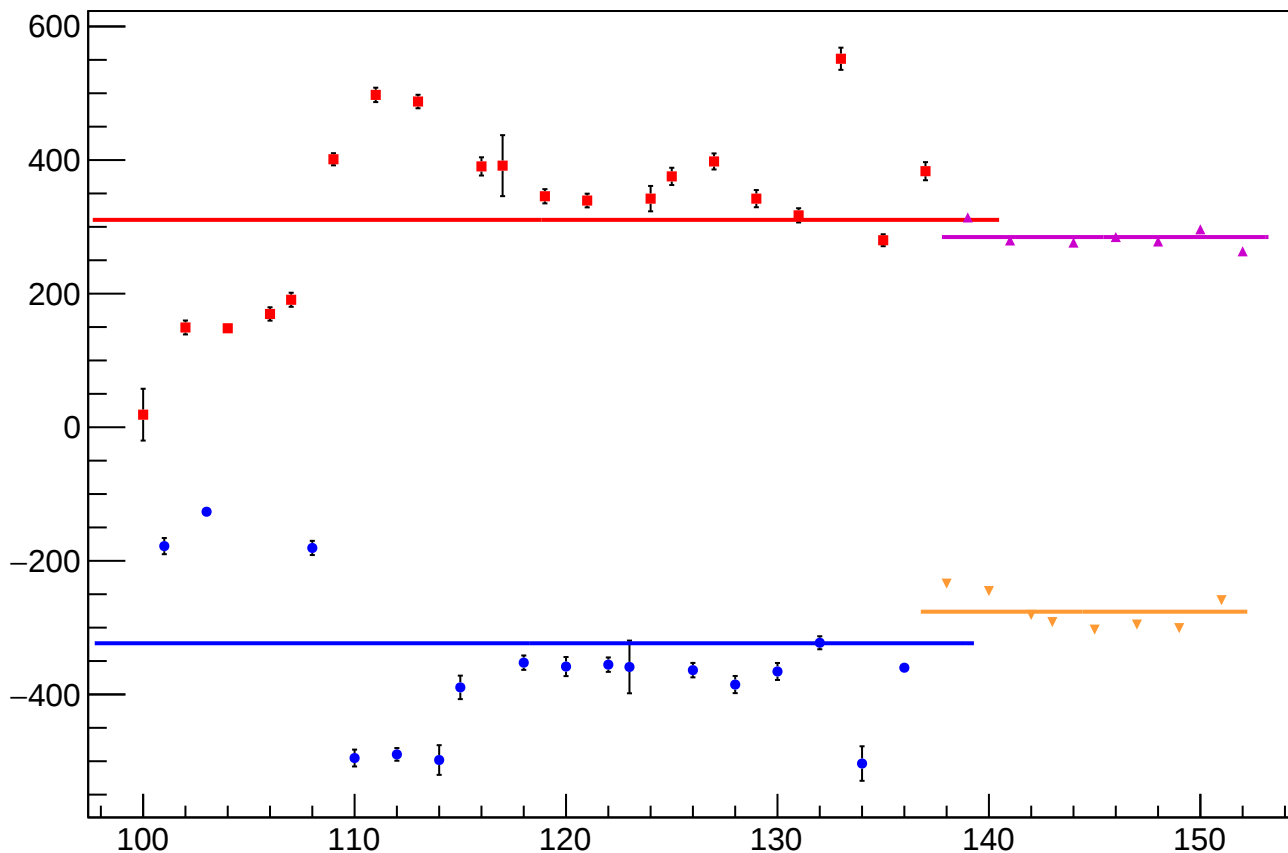
Left In: 5.054 ± 1.103 $\chi^2/\text{NDF}: 67.9/6$

5.508 ± 0.855 $\chi^2/\text{NDF}: 745.5/24$

1.624 ± 0.607 $\chi^2/\text{NDF}: 1408.4/51$

-2.339 ± 0.864 $\chi^2/\text{NDF}: 621.1/26$

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -323.402 $\pm$ 2.684 χ^2 /NDF: 1849.6/16

Left Out: -276.128 $\pm$ 1.608 χ^2 /NDF: 251.7/7

Right Out: 310.484 $\pm$ 2.520 χ^2 /NDF: 2302.0/19

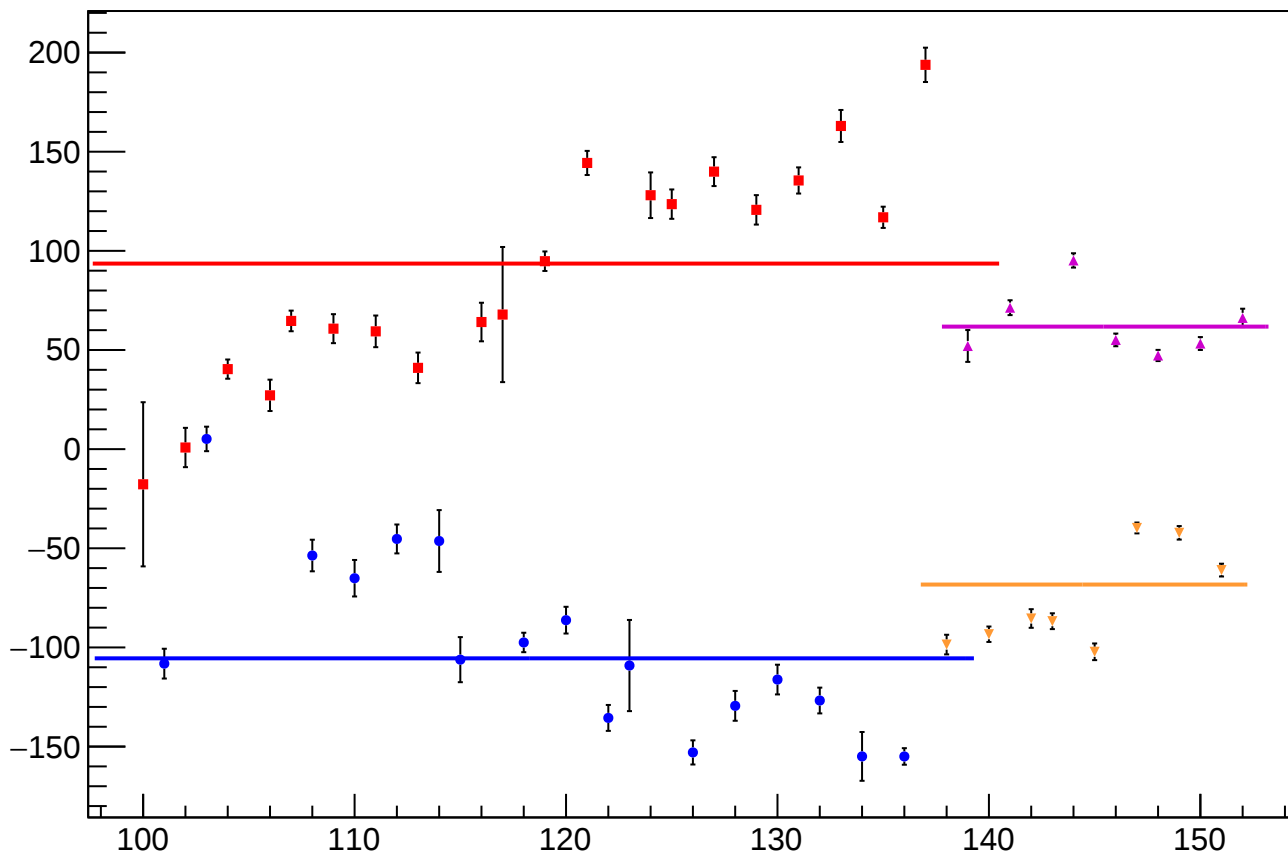
Left In: 284.734 $\pm$ 1.655 χ^2 /NDF: 68.4/6

-288.618 $\pm$ 1.380 χ^2 /NDF: 2329.5/24

1.110 $\pm$ 0.977 χ^2 /NDF: 93234.5/51

292.499 $\pm$ 1.384 χ^2 /NDF: 2443.4/26

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

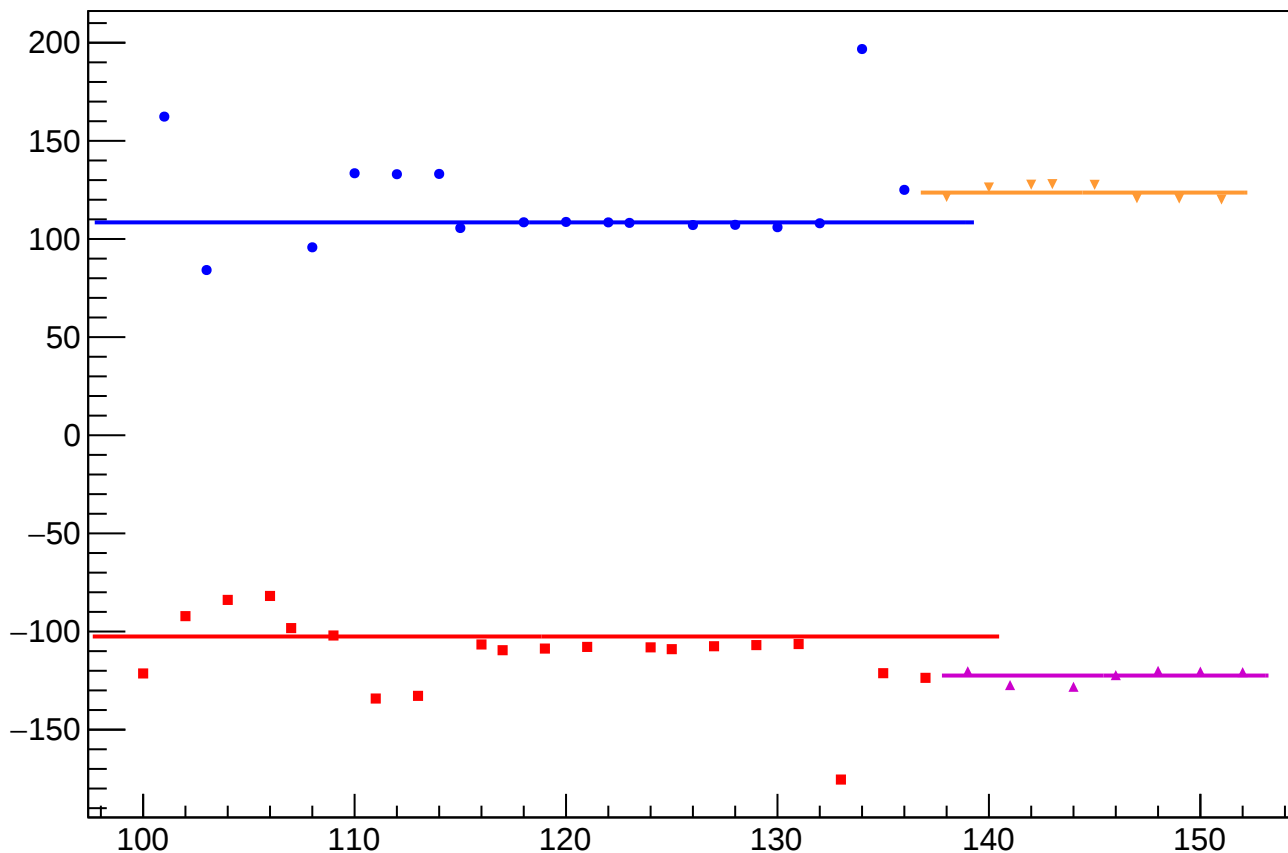
Left In: 61.793 ± 1.377 χ^2/NDF : 132.0/6

-81.963 ± 1.038 χ^2/NDF : 1386.9/24

-3.983 ± 0.737 χ^2/NDF : 13951.4/51

75.241 ± 1.046 χ^2/NDF : 1185.0/26

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 108.460 ± 0.085 $\chi^2/\text{NDF}: 73301.9/16$

Left Out: 123.644 ± 0.068 $\chi^2/\text{NDF}: 2361.4/7$

Right Out: -102.532 ± 0.079 $\chi^2/\text{NDF}: 53003.2/19$

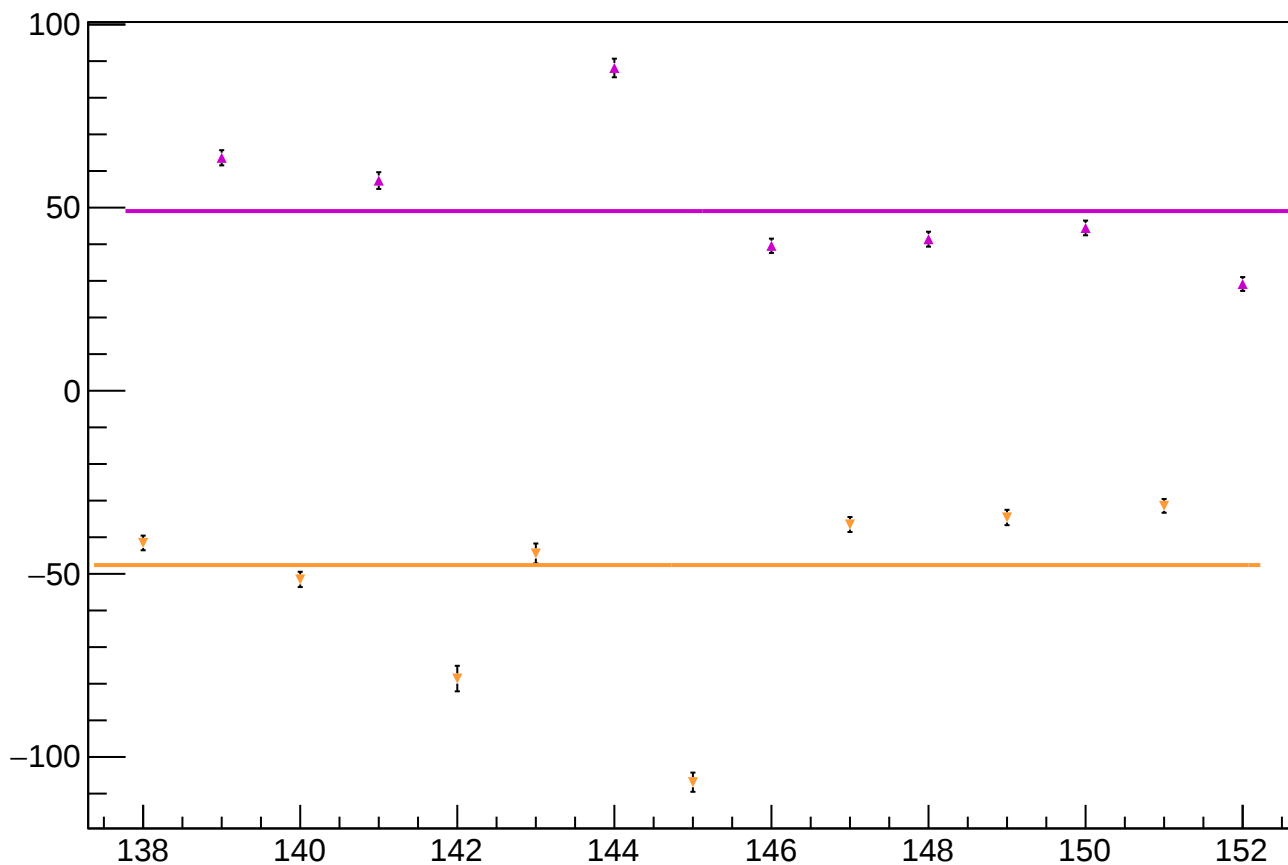
Left In: -122.433 ± 0.069 $\chi^2/\text{NDF}: 2073.9/6$

117.694 ± 0.053 $\chi^2/\text{NDF}: 95070.3/24$

-0.593 ± 0.037 $\chi^2/\text{NDF}: 9861871.1/51$

-113.892 ± 0.052 $\chi^2/\text{NDF}: 90857.5/26$

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

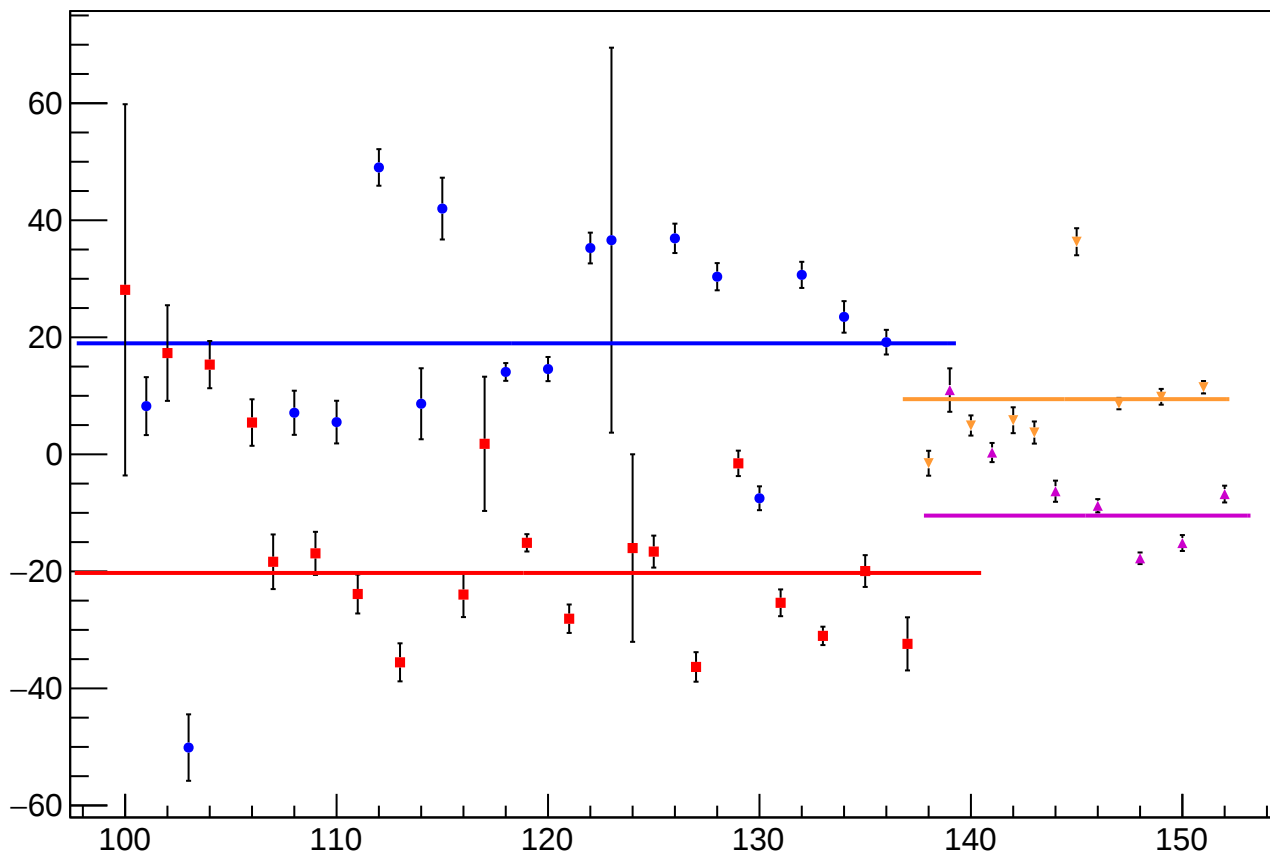
Left In: 49.057+/-0.789 χ^2/NDF : 453.2/6

-47.598+/-0.793 χ^2/NDF : 746.9/7

1.003+/-0.559 χ^2/NDF : 8670.0/14

49.057+/-0.789 χ^2/NDF : 453.2/6

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

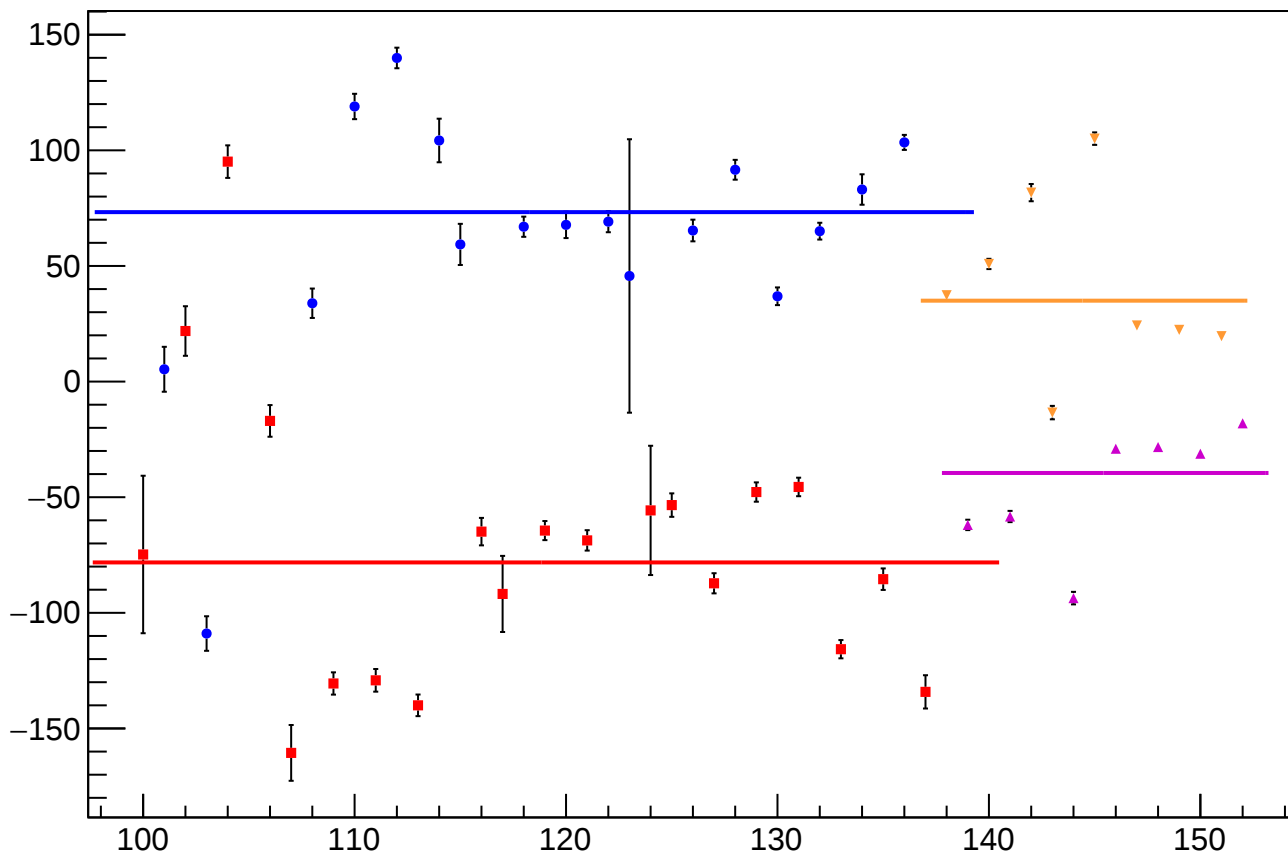
Left In: -10.470+/-0.530 χ^2 /NDF:156.6/6

13.122+/-0.406 χ^2 /NDF: 934.1/24

-0.587+/-0.288 χ^2 /NDF: 3890.2/51

-14.446+/-0.408 χ^2 /NDF: 665.5/26

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 73.278+/-1.236 χ^2/NDF : 1198.6/16

Left Out: 34.988+/-0.795 χ^2/NDF : 1303.1/7

Right Out: -78.205+/-1.219 χ^2/NDF : 1544.0/19

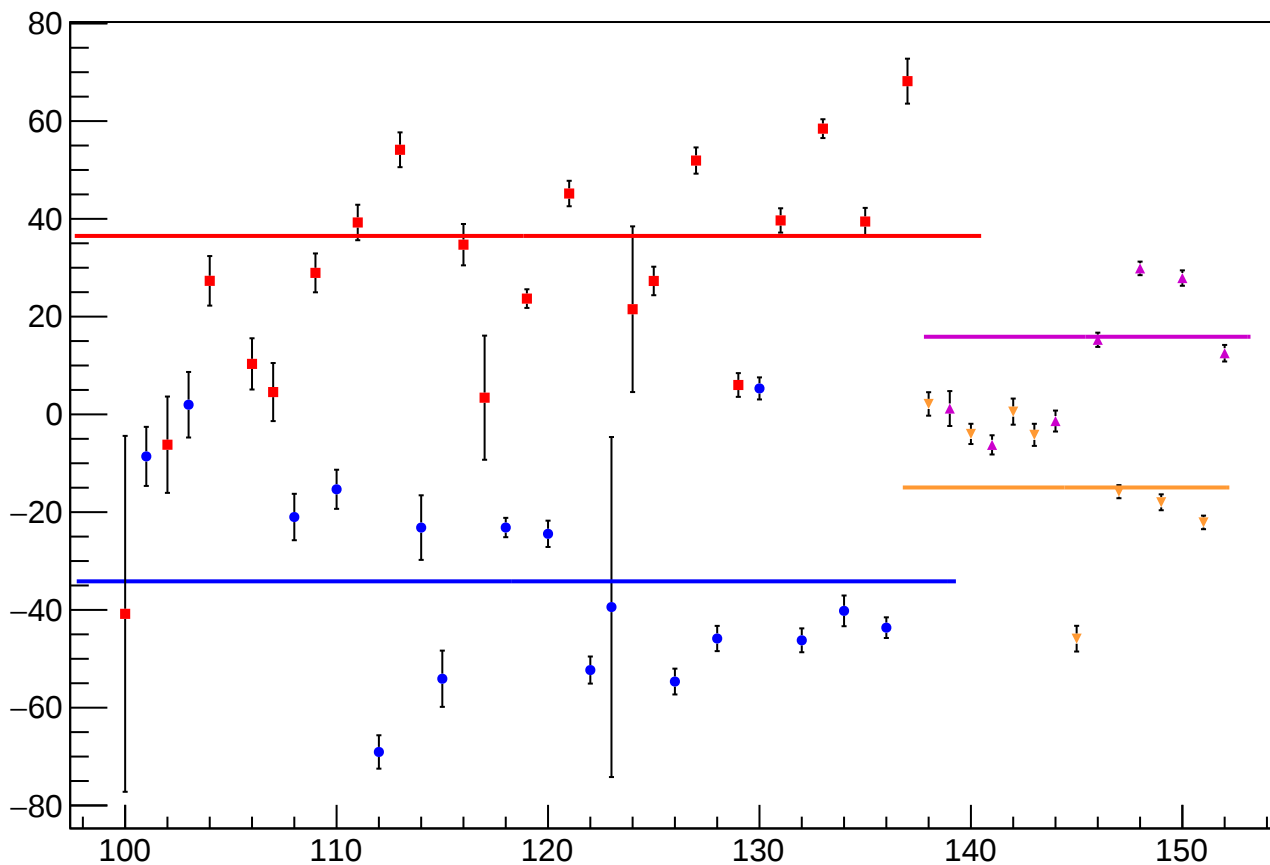
Left In: -39.521+/-0.778 χ^2/NDF : 783.2/6

46.185+/-0.669 χ^2/NDF : 3180.3/24

-3.184+/-0.468 χ^2/NDF : 16924.3/51

-50.725+/-0.656 χ^2/NDF : 3042.4/26

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

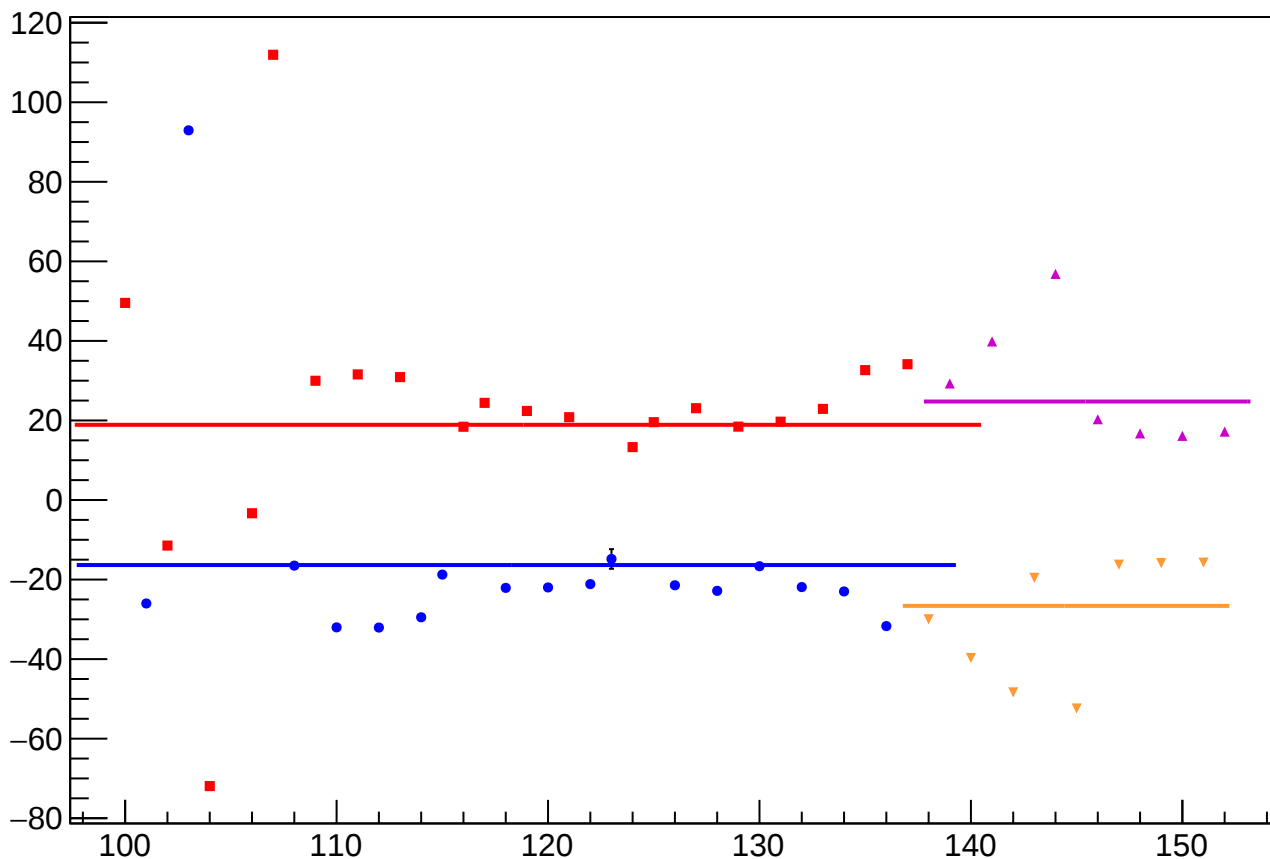
Left In: 15.881 ± 0.660 χ^2/NDF : 371.9/6

-23.306 ± 0.491 χ^2/NDF : 1396.5/24

0.909 ± 0.347 χ^2/NDF : 7614.8/51

25.098 ± 0.491 χ^2/NDF : 1361.8/26

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.349 $\pm$ 0.045 χ^2 /NDF: 474192.3/16

Left Out: -26.614 $\pm$ 0.034 χ^2 /NDF: 151611.9/7

Right Out: 18.906 $\pm$ 0.045 χ^2 /NDF: 433847.1/19

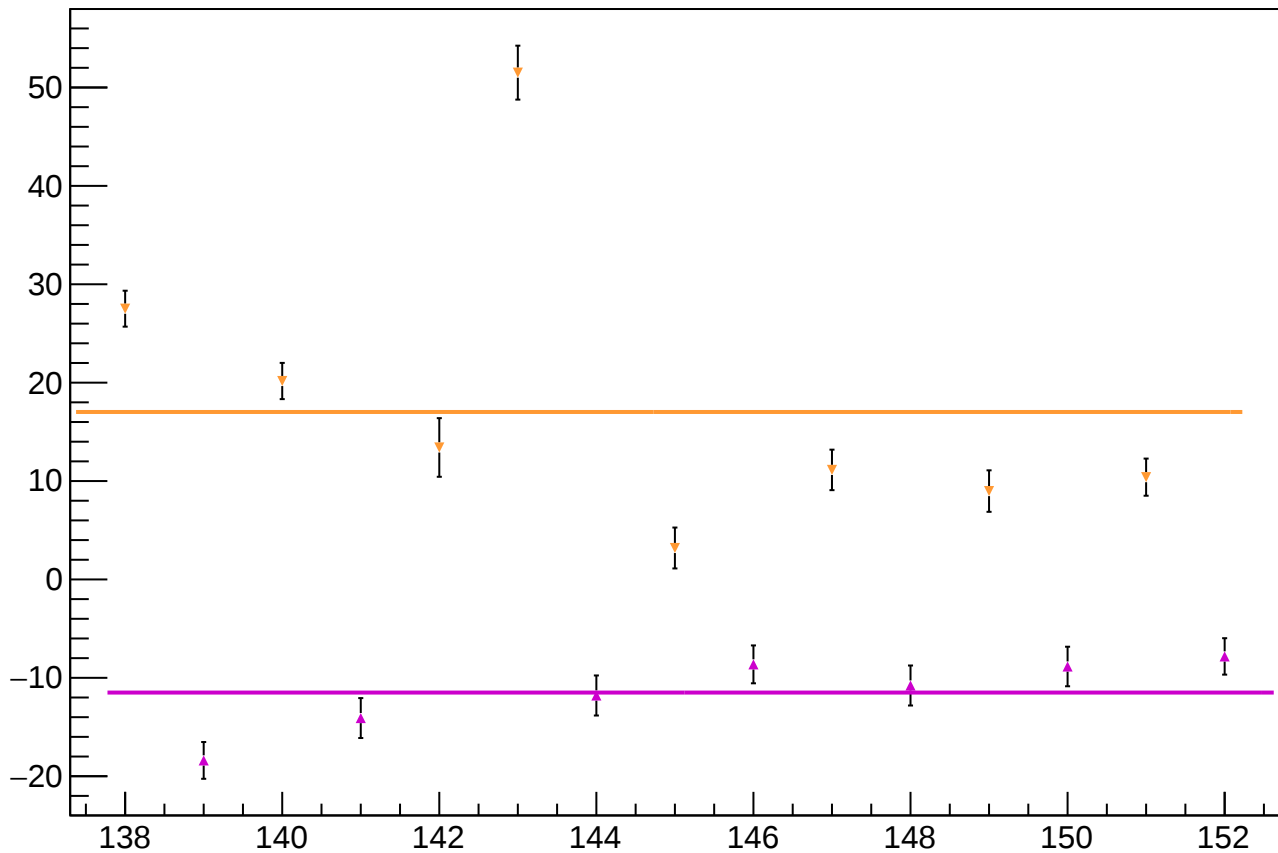
Left In: 24.762 $\pm$ 0.032 χ^2 /NDF: 134352.5/6

-22.886 $\pm$ 0.027 χ^2 /NDF: 659473.2/24

0.516 $\pm$ 0.019 χ^2 /NDF: 2715552.5/51

22.789 $\pm$ 0.026 χ^2 /NDF: 579322.1/26

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

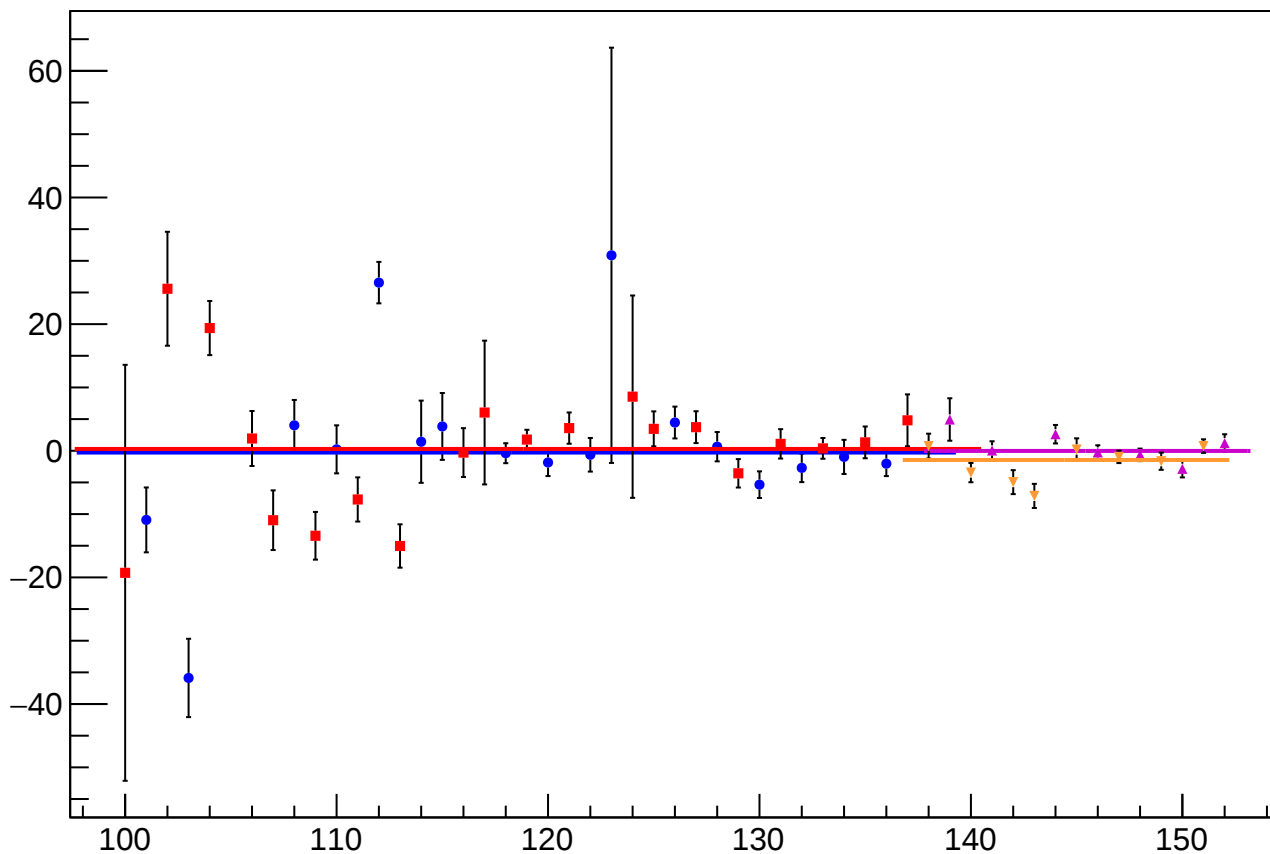
Left In: -11.498+/-0.741 χ^2/NDF : 23.3/6

17.020+/-0.742 χ^2/NDF : 275.0/7

2.731+/-0.524 χ^2/NDF : 1037.4/14

-11.498+/-0.741 χ^2/NDF : 23.3/6

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

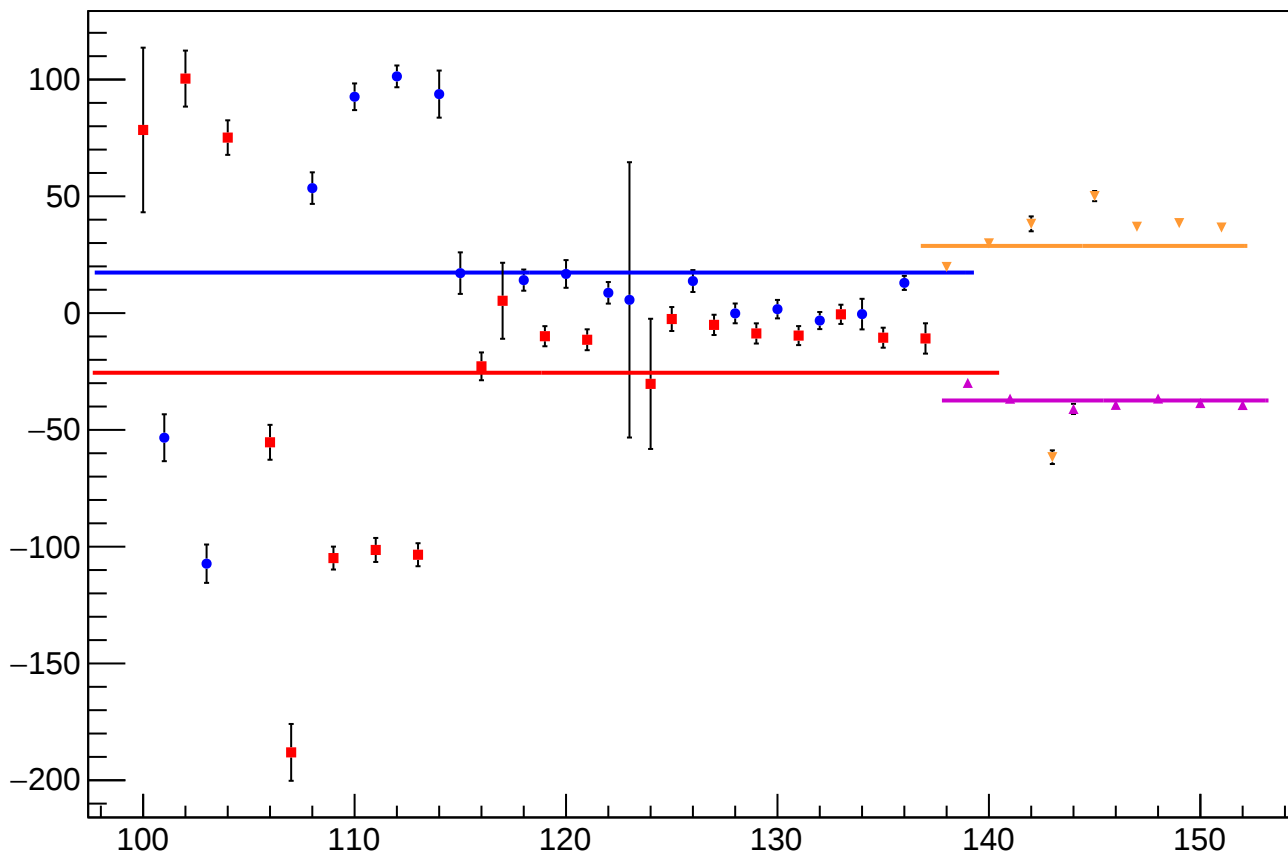
Left In: -0.025 ± 0.507 χ^2/NDF : 11.0/6

-1.030 ± 0.398 χ^2/NDF : 142.1/24

-0.472 ± 0.283 χ^2/NDF : 240.7/51

0.093 ± 0.401 χ^2/NDF : 94.6/26

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.361+/-1.247 χ^2/NDF : 943.0/16

Left Out: 28.769+/-0.751 χ^2/NDF : 1142.7/7

Right Out: -25.537+/-1.239 χ^2/NDF : 1382.4/19

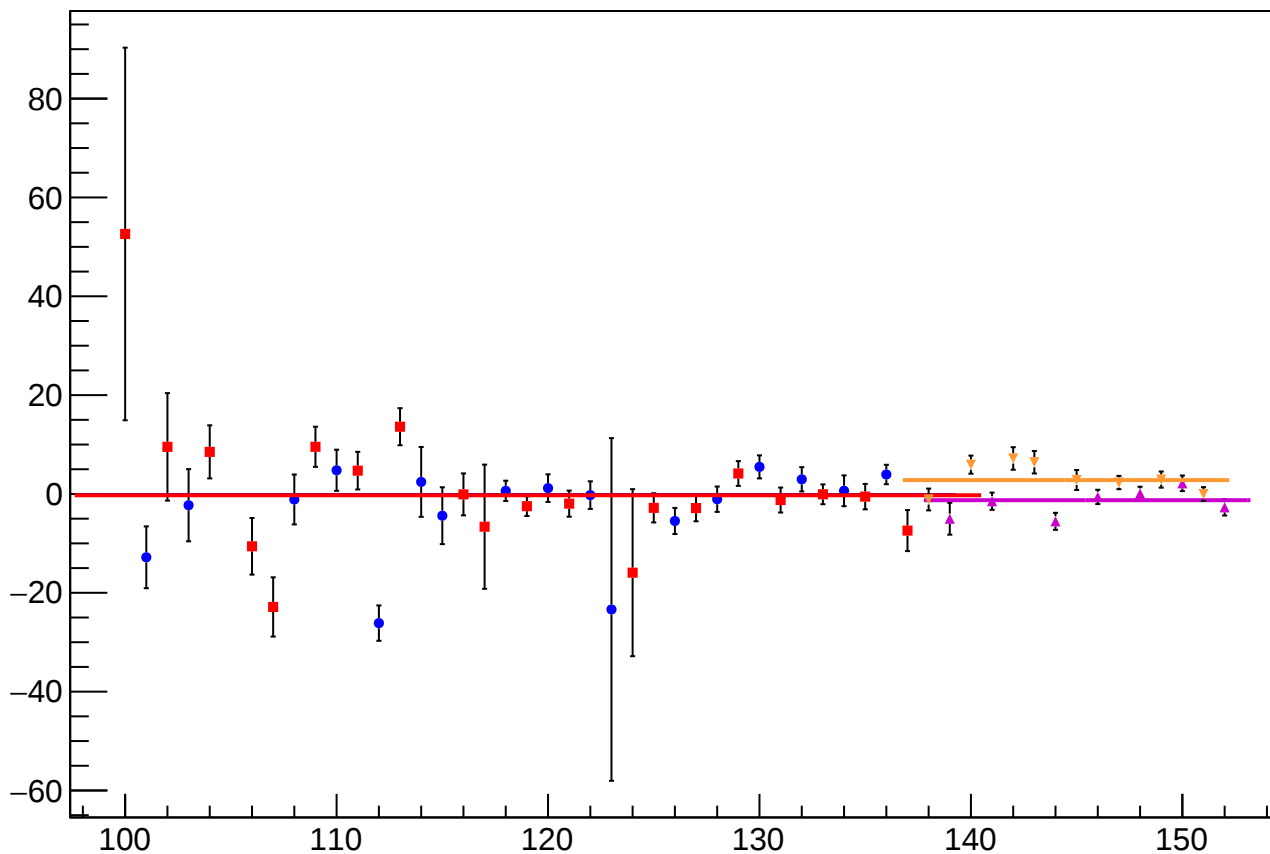
Left In: -37.408+/-0.737 χ^2/NDF : 19.5/6

25.735+/-0.643 χ^2/NDF : 2147.2/24

-4.734+/-0.451 χ^2/NDF : 8040.5/51

-34.306+/-0.634 χ^2/NDF : 1469.7/26

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

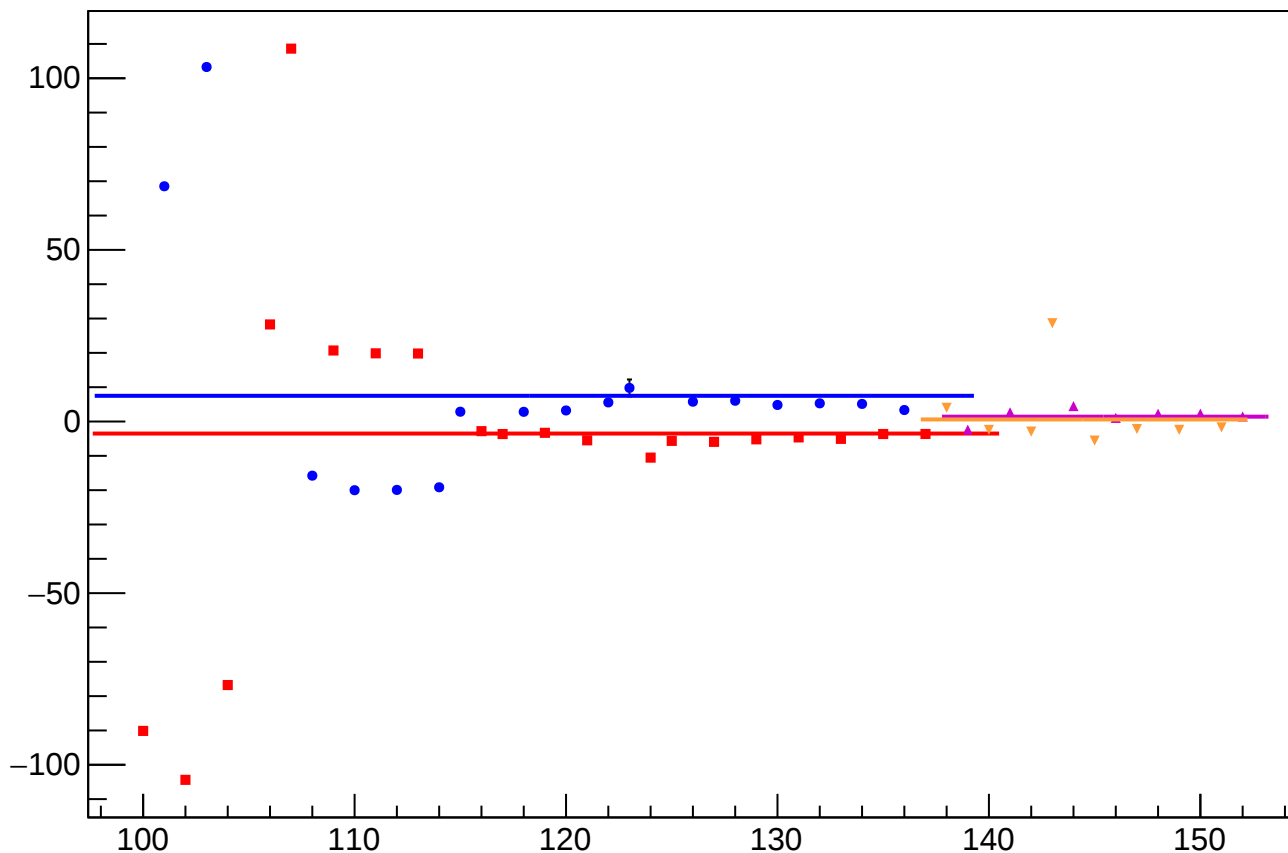
Left In: -1.262 ± 0.629 χ^2/NDF : 14.1/6

1.575 ± 0.480 χ^2/NDF : 101.9/24

0.367 ± 0.340 χ^2/NDF : 184.6/51

-0.847 ± 0.481 χ^2/NDF : 69.9/26

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 7.492 ± 0.045 $\chi^2/\text{NDF}: 355979.0/16$

Left Out: 0.606 ± 0.032 $\chi^2/\text{NDF}: 69550.8/7$

Right Out: -3.504 ± 0.046 $\chi^2/\text{NDF}: 510579.5/19$

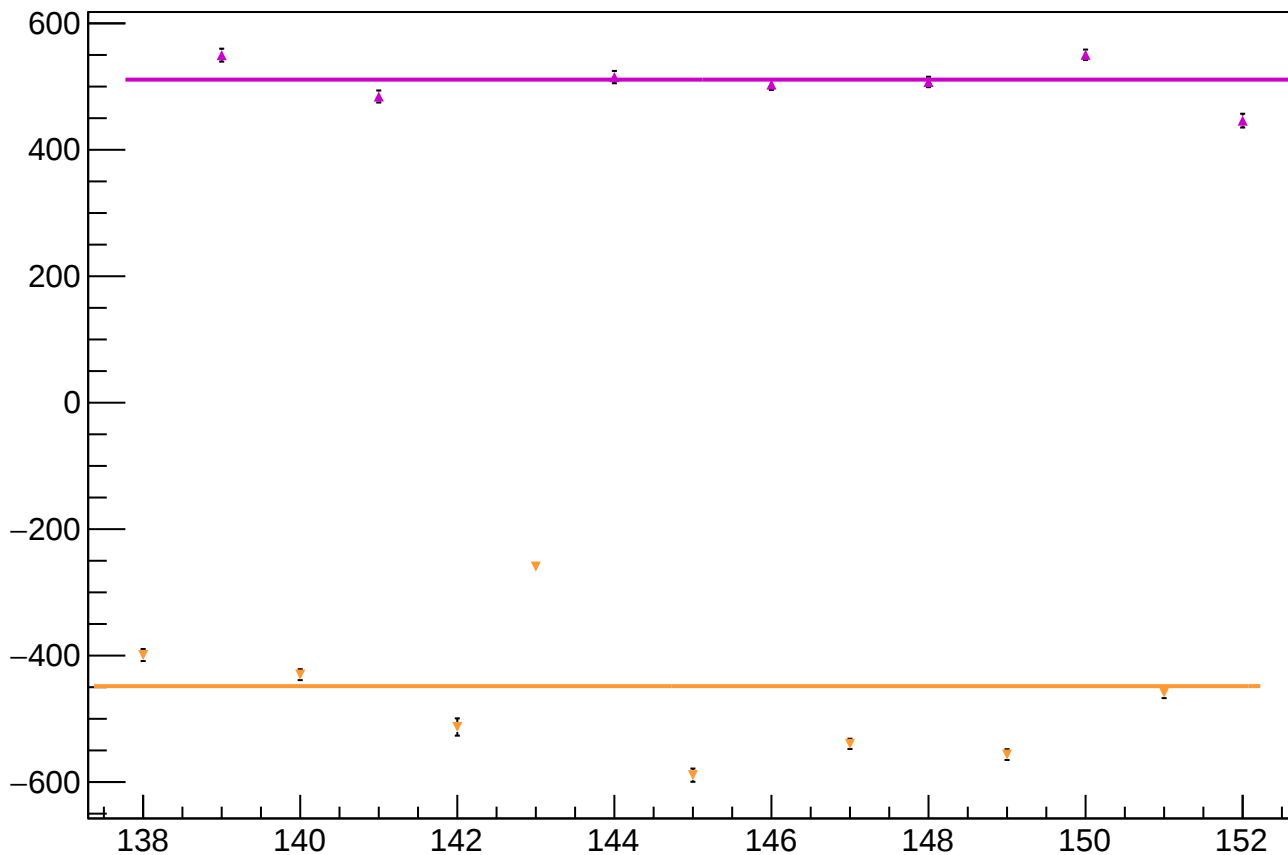
Left In: 1.417 ± 0.030 $\chi^2/\text{NDF}: 4349.3/6$

2.905 ± 0.026 $\chi^2/\text{NDF}: 441384.5/24$

1.373 ± 0.018 $\chi^2/\text{NDF}: 971313.4/51$

-0.101 ± 0.025 $\chi^2/\text{NDF}: 523004.3/26$

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

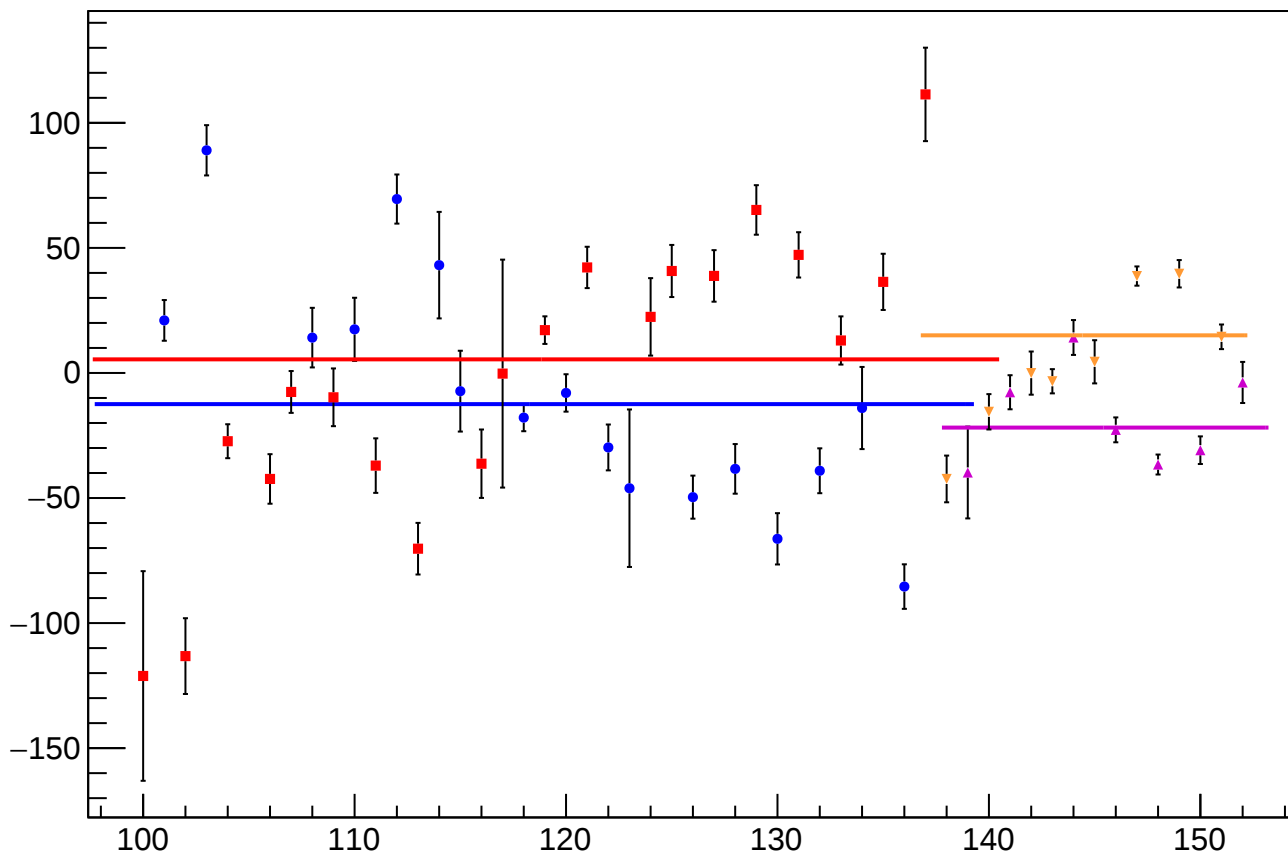
Left In: 510.978+/-3.482 χ^2/NDF : 81.6/6

-448.269+/-3.154 χ^2/NDF : 1247.9/7

-15.933+/-2.338 χ^2/NDF : 43019.3/14

510.978+/-3.482 χ^2/NDF : 81.6/6

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

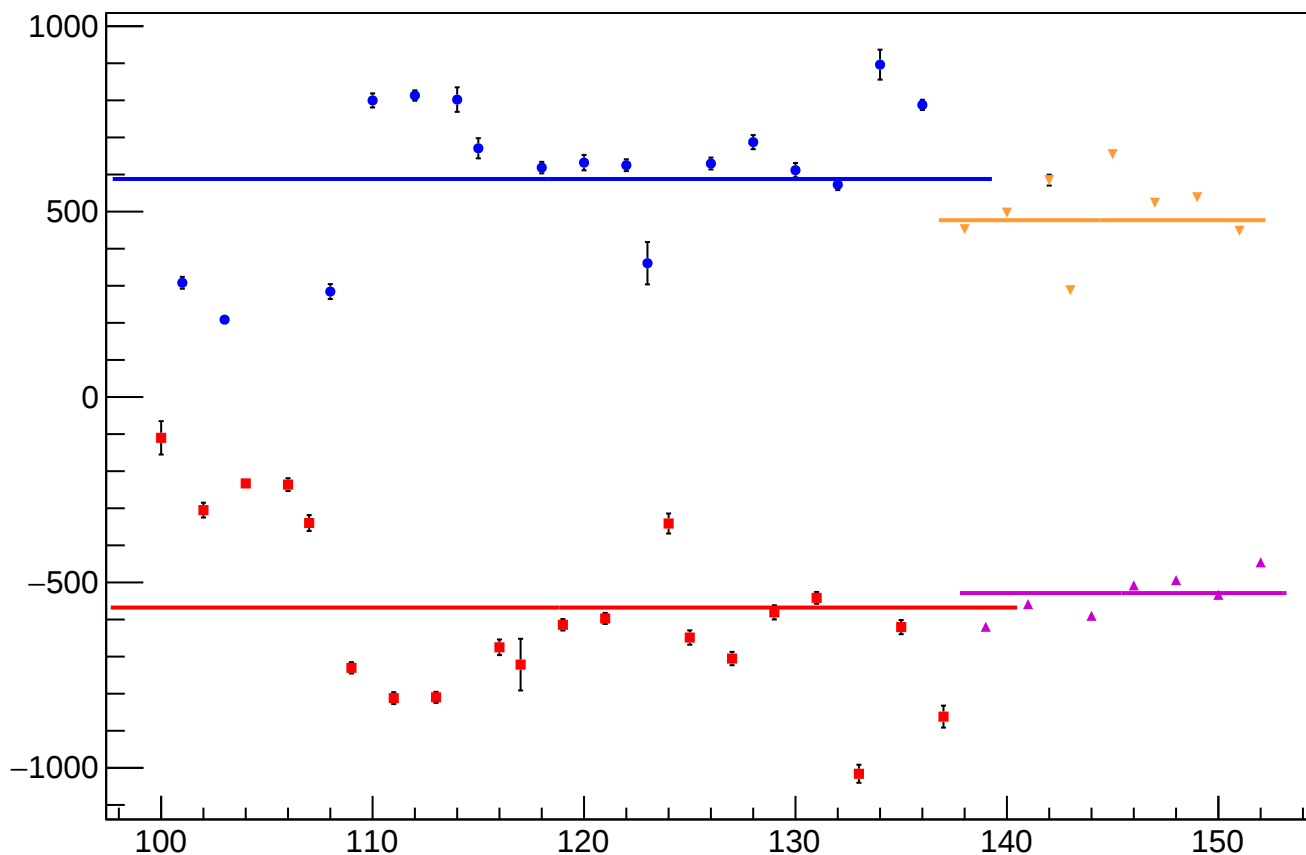
Left In: -21.842 ± 2.260 χ^2/NDF : 53.2/6

3.298 ± 1.535 χ^2/NDF : 553.3/24

-2.215 ± 1.106 χ^2/NDF : 1051.3/51

-8.179 ± 1.596 χ^2/NDF : 471.2/26

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 $\chi^2/\text{NDF}: 2788.1/19$

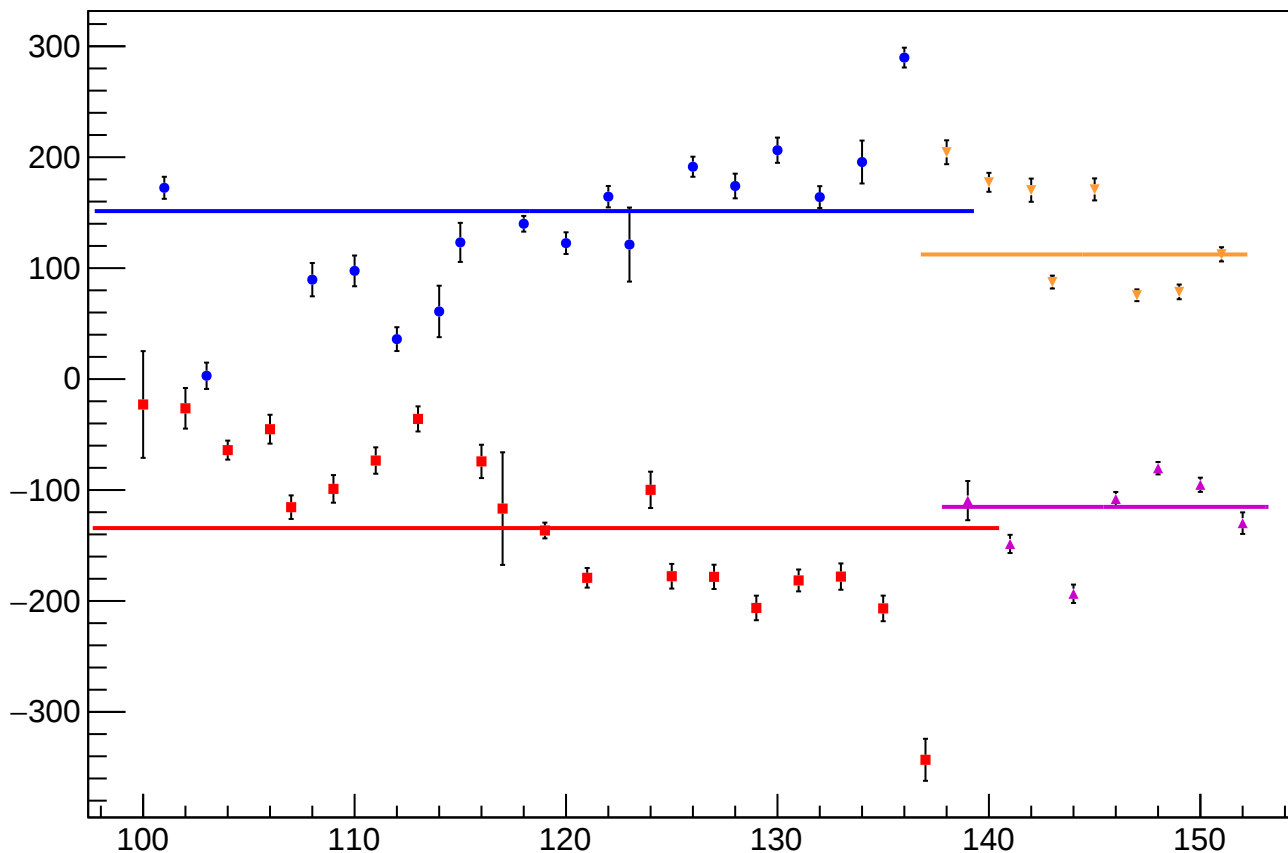
Left In: -528.679 ± 3.435 $\chi^2/\text{NDF}: 199.7/6$

515.583 ± 2.569 $\chi^2/\text{NDF}: 3625.8/24$

0.013 ± 1.842 $\chi^2/\text{NDF}: 89471.3/51$

-544.651 ± 2.641 $\chi^2/\text{NDF}: 3040.6/26$

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 151.421+/-2.709 χ^2/NDF : 633.3/16

Left Out: 112.329+/-2.549 χ^2/NDF : 289.2/7

Right Out: -134.299+/-2.612 χ^2/NDF : 585.0/19

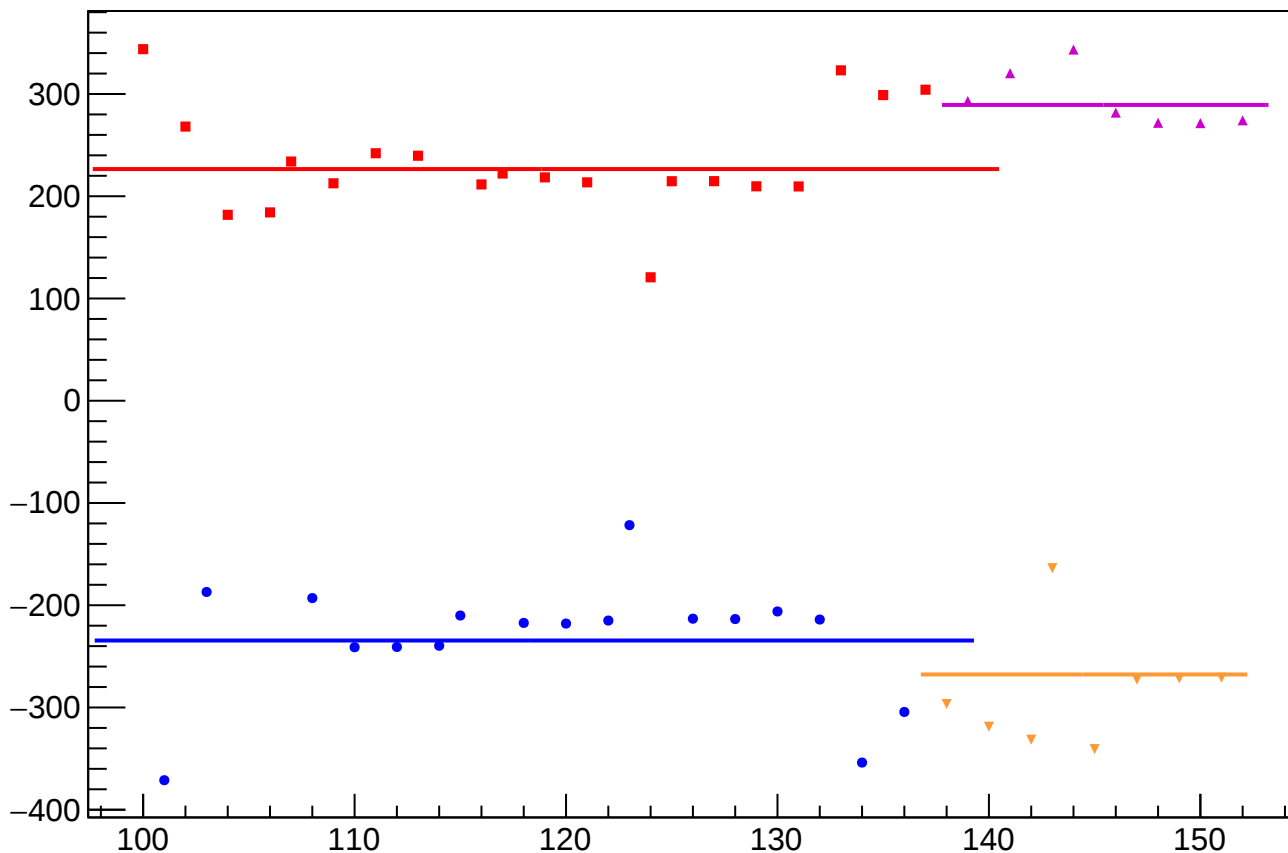
Left In: -115.196+/-2.836 χ^2/NDF : 158.5/6

130.686+/-1.856 χ^2/NDF : 1032.9/24

6.973+/-1.335 χ^2/NDF : 10998.1/51

-125.531+/-1.921 χ^2/NDF : 768.1/26

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -234.501 ± 0.149 $\chi^2/\text{NDF}: 145046.5/16$

Left Out: -267.718 ± 0.135 $\chi^2/\text{NDF}: 180930.1/7$

Right Out: 226.572 ± 0.141 $\chi^2/\text{NDF}: 98970.7/19$

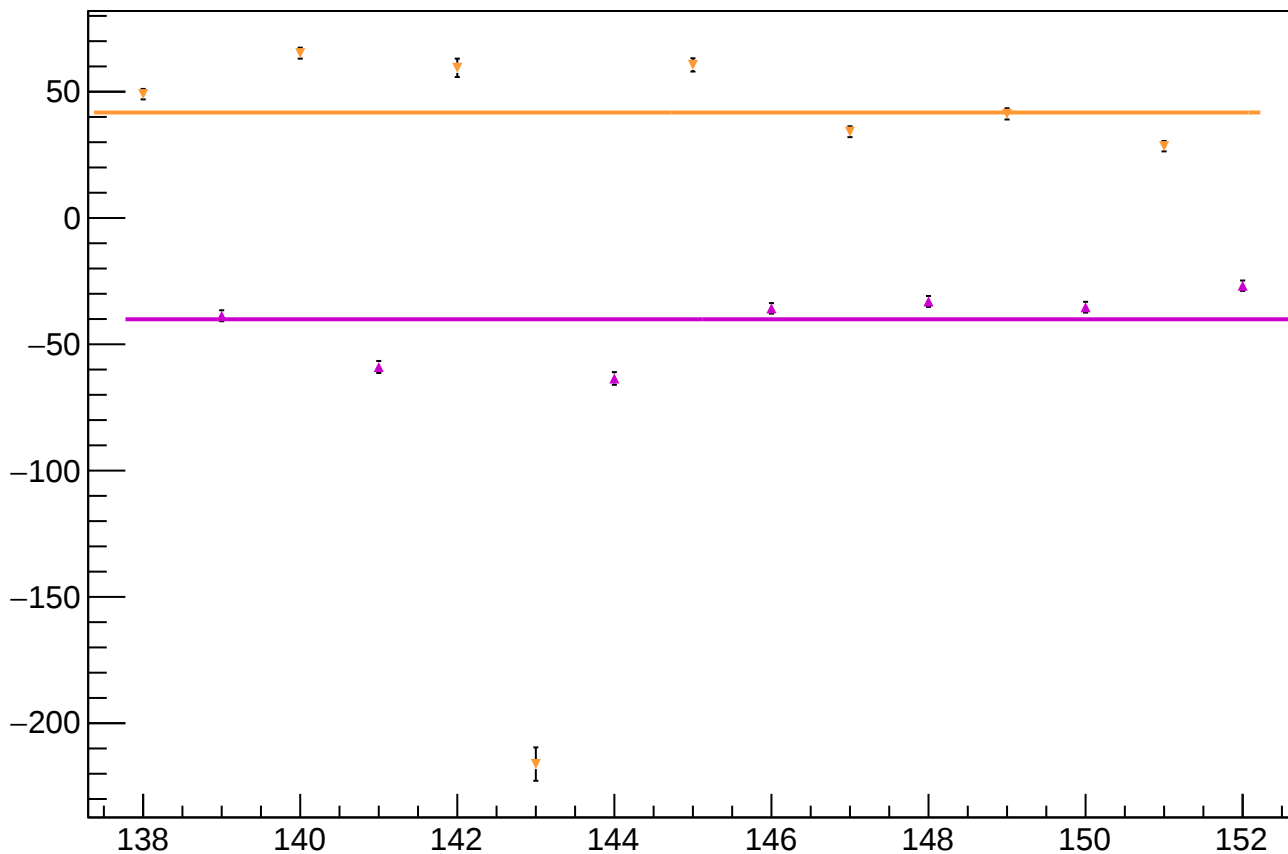
Left In: 289.307 ± 0.144 $\chi^2/\text{NDF}: 27234.1/6$

-252.732 ± 0.100 $\chi^2/\text{NDF}: 353243.3/24$

0.777 ± 0.071 $\chi^2/\text{NDF}: 13483653.2/51$

257.421 ± 0.101 $\chi^2/\text{NDF}: 223176.2/26$

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

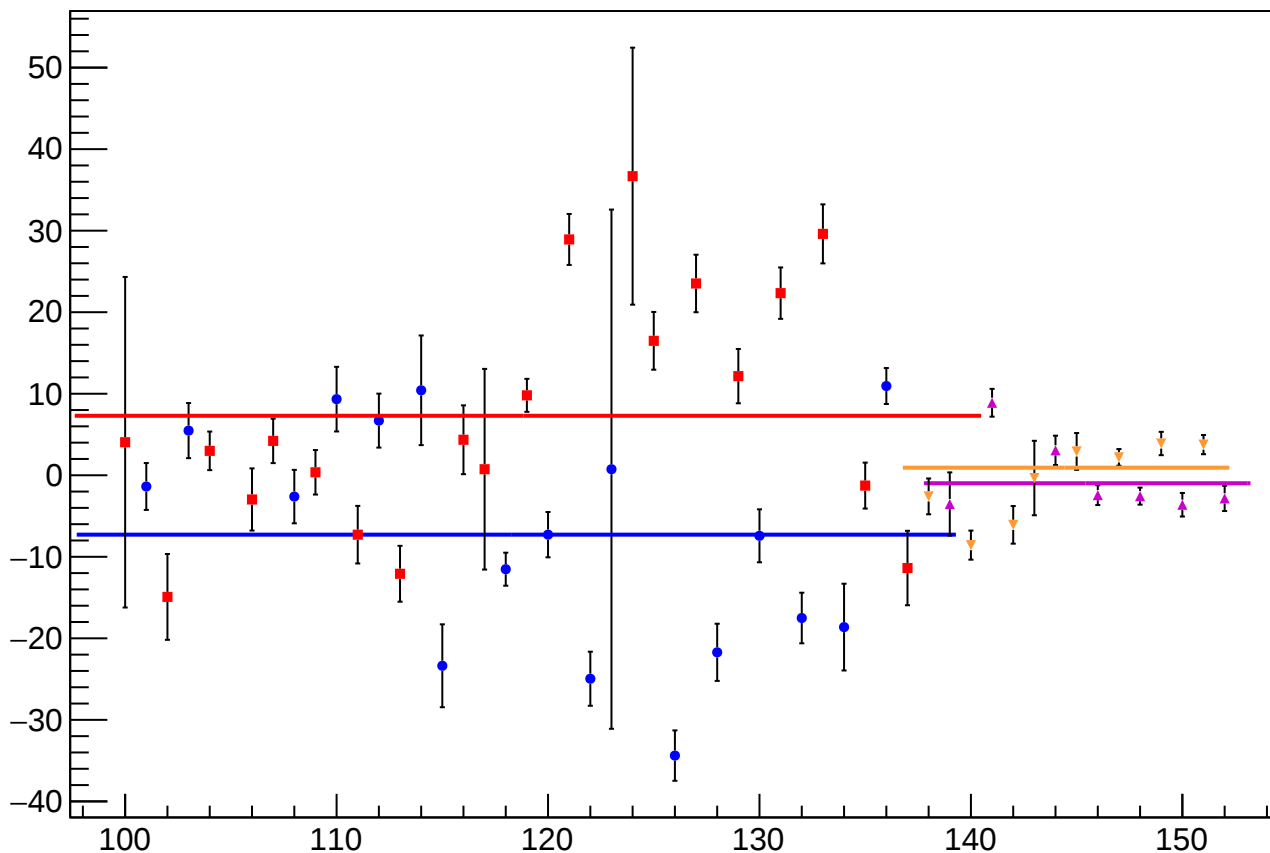
Left In: -40.095+/-0.830 χ^2/NDF : 212.4/6

41.761+/-0.862 χ^2/NDF : 1780.9/7

-0.747+/-0.598 χ^2/NDF : 6671.4/14

-40.095+/-0.830 χ^2/NDF : 212.4/6

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

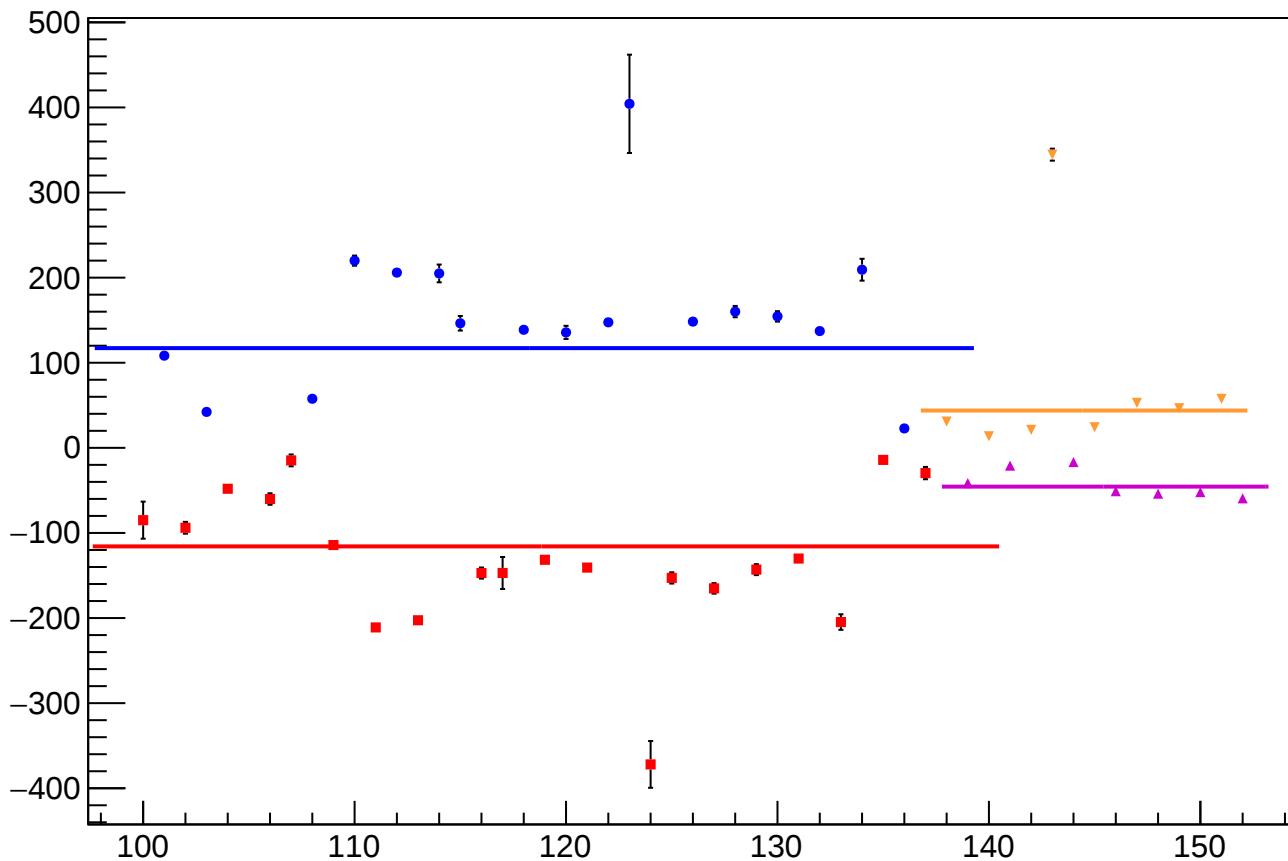
Left In: -0.976 ± 0.558 χ^2/NDF : 47.5/6

-1.860 ± 0.460 χ^2/NDF : 407.5/24

0.075 ± 0.321 χ^2/NDF : 822.3/51

1.928 ± 0.450 χ^2/NDF : 380.1/26

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 117.187 ± 1.416 χ^2/NDF : 2161.0/16

Left Out: 43.863 ± 0.863 χ^2/NDF : 2175.5/7

Right Out: -115.795 ± 1.357 χ^2/NDF : 2140.4/19

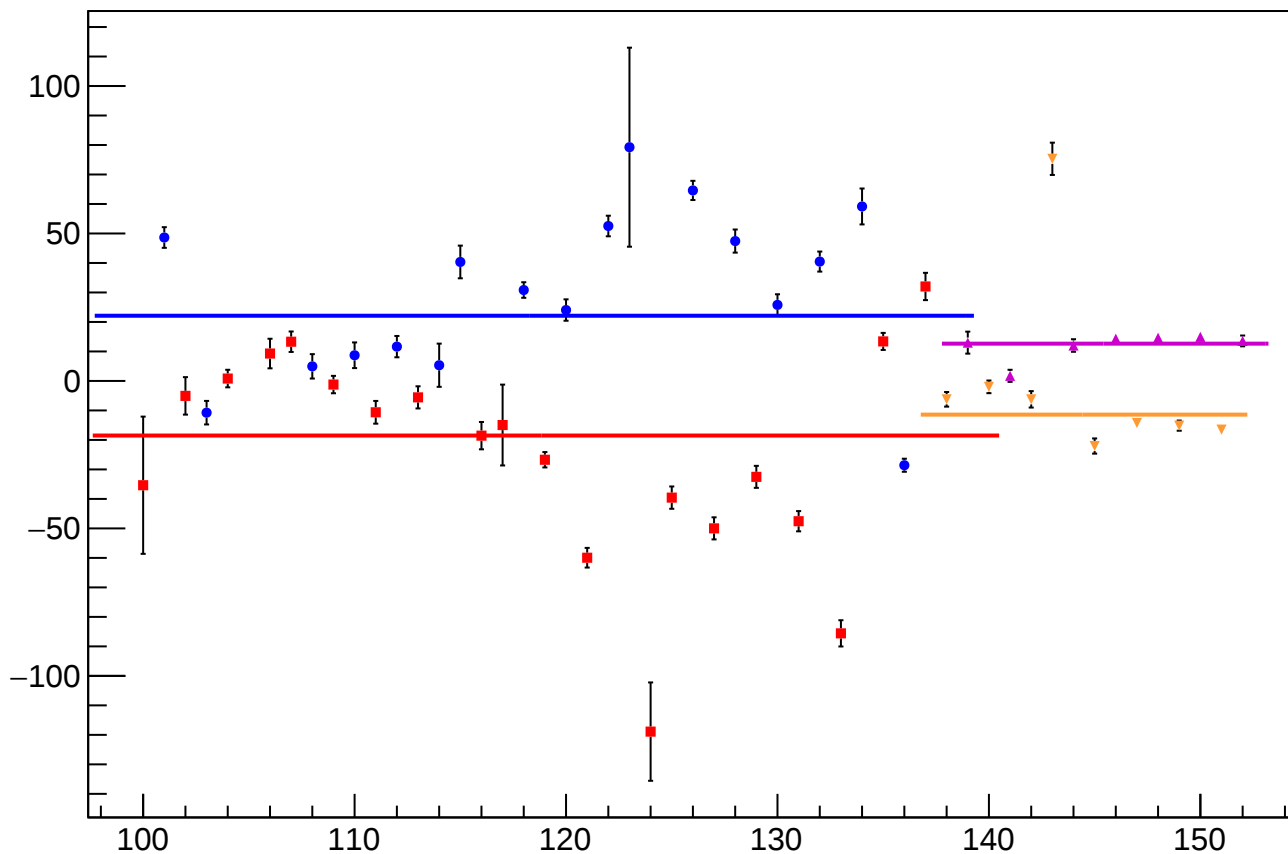
Left In: -45.556 ± 0.821 χ^2/NDF : 297.7/6

63.716 ± 0.737 χ^2/NDF : 6291.0/24

-3.400 ± 0.508 χ^2/NDF : 26515.8/51

-64.361 ± 0.702 χ^2/NDF : 4398.6/26

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

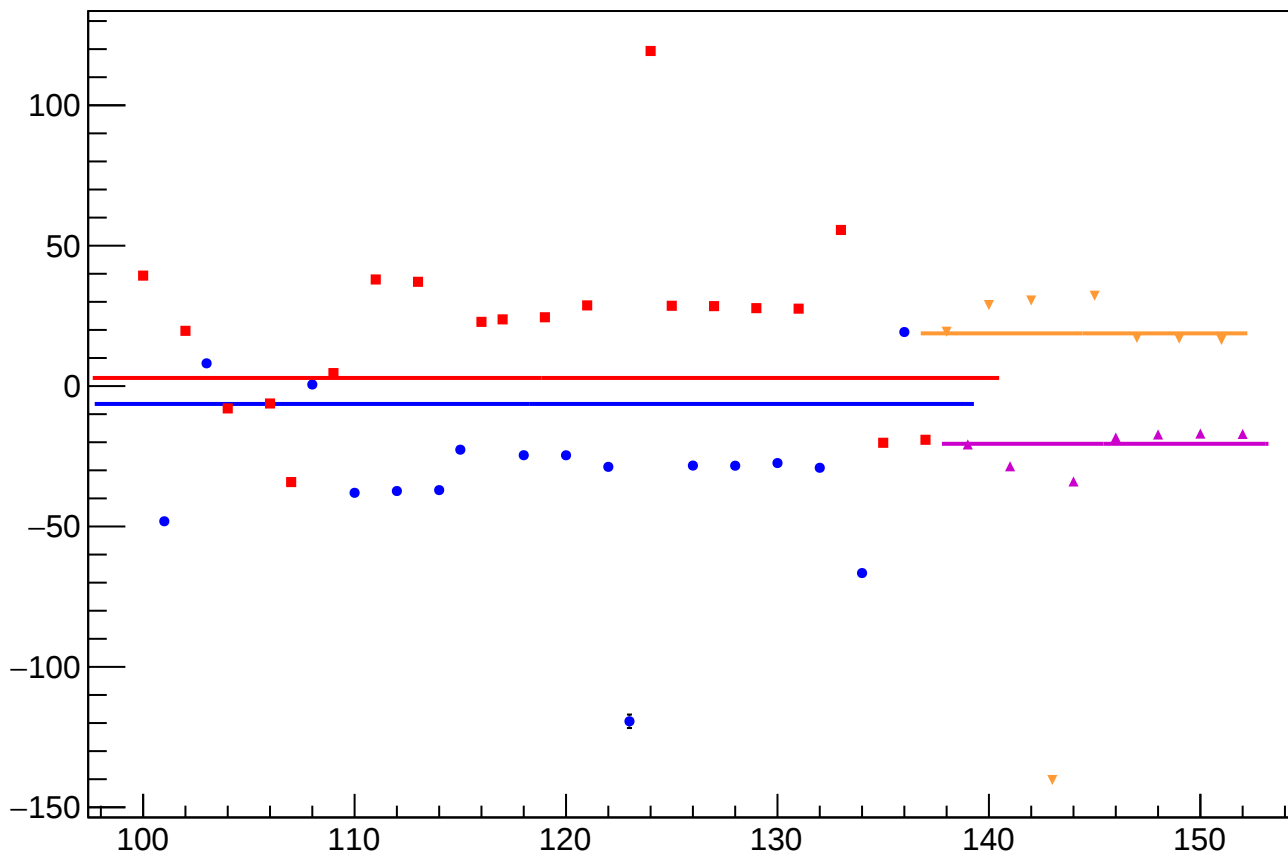
Left In: 12.646 ± 0.696 χ^2/NDF : 33.7/6

1.562 ± 0.559 χ^2/NDF : 2239.3/24

1.010 ± 0.389 χ^2/NDF : 4126.4/51

0.488 ± 0.543 χ^2/NDF : 1885.2/26

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

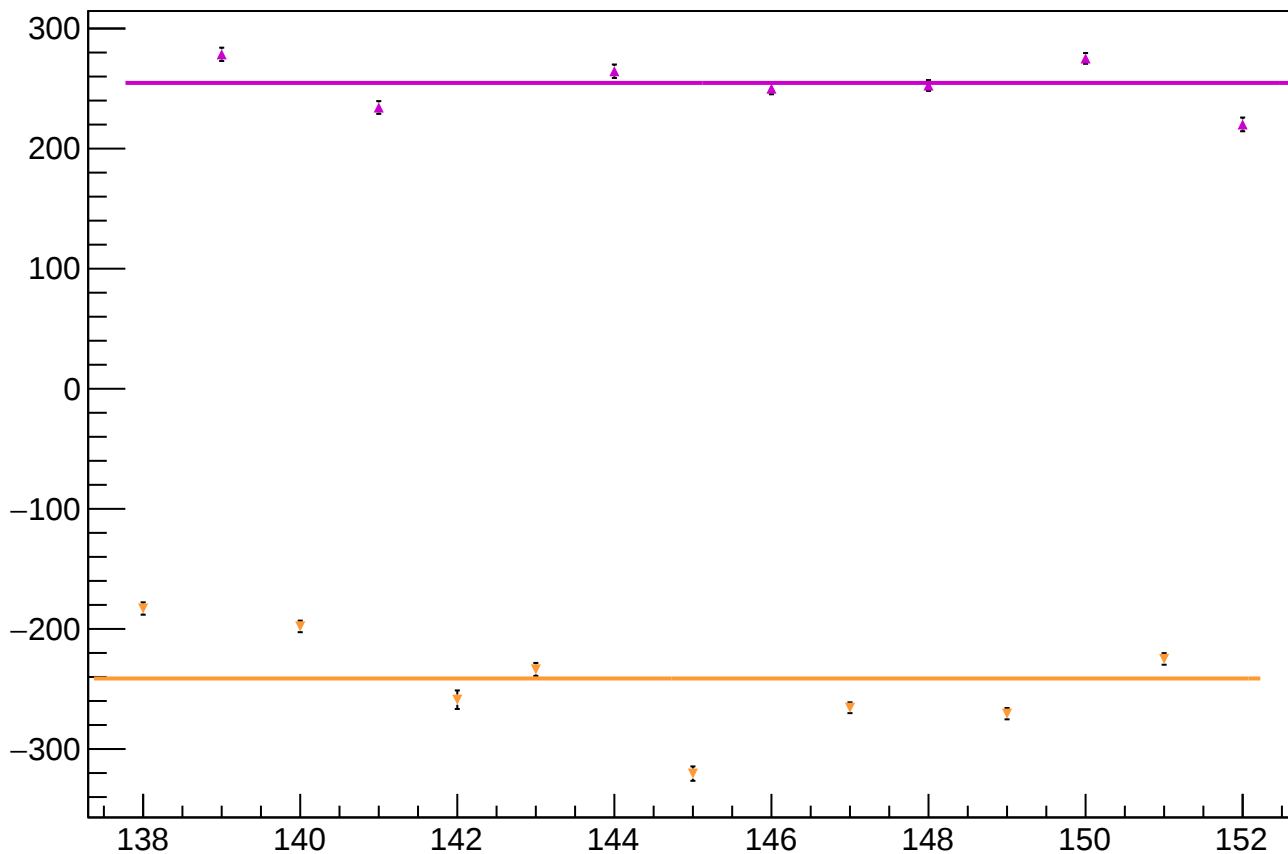
Left In: -20.553+/-0.034 χ^2/NDF : 25032.8/6

9.089+/-0.029 χ^2/NDF : 794225.8/24

-2.125+/-0.020 χ^2/NDF : 1544021.8/51

-12.205+/-0.027 χ^2/NDF : 460891.6/26

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

-241.245+/-1.834 χ^2/NDF : 470.2/7

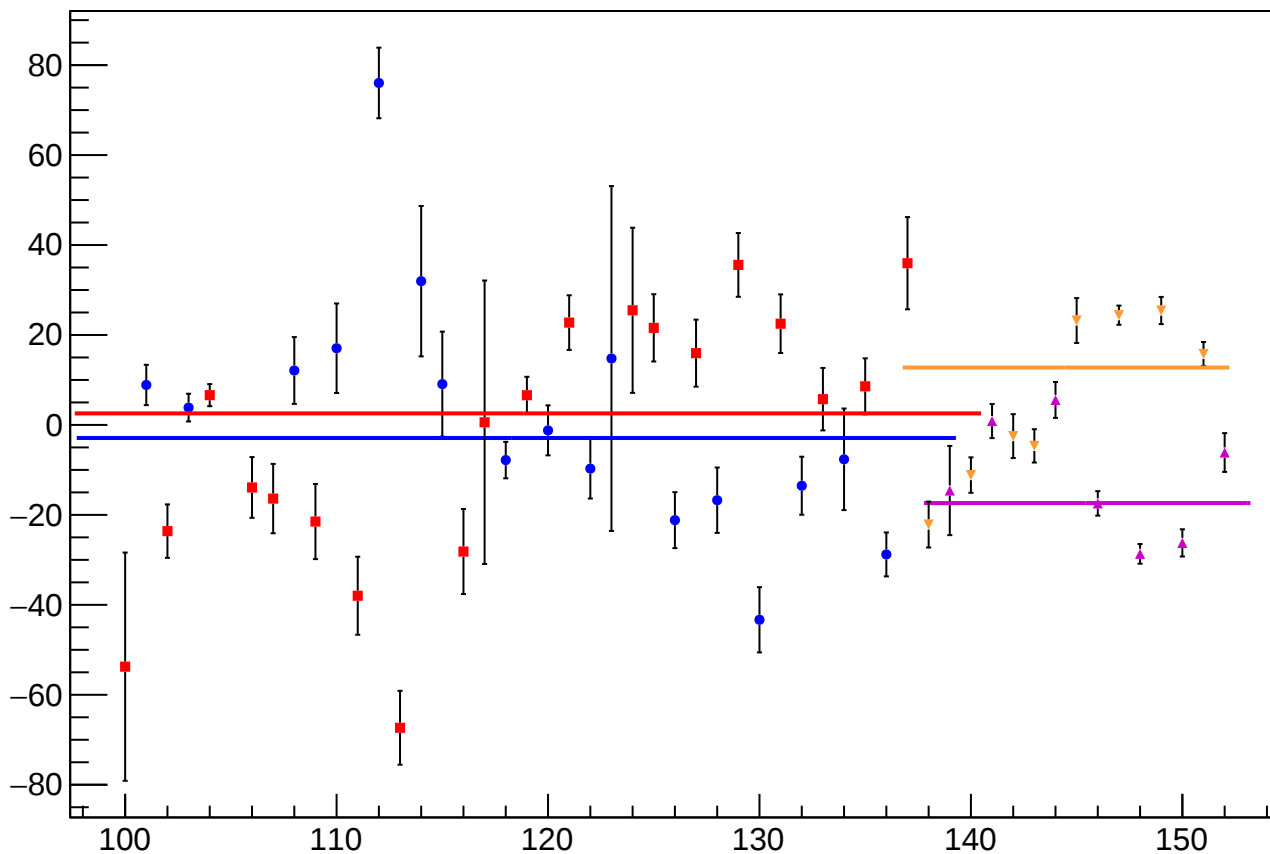
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-3.312+/-1.323 χ^2/NDF : 35641.0/14

Left In: 254.708+/-1.910 χ^2/NDF : 94.7/6

254.708+/-1.910 χ^2/NDF : 94.7/6

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.901 ± 1.467 $\chi^2/\text{NDF}: 203.6/16$

Left Out: 12.766 ± 1.172 $\chi^2/\text{NDF}: 168.6/7$

Right Out: 2.566 ± 1.395 $\chi^2/\text{NDF}: 218.2/19$

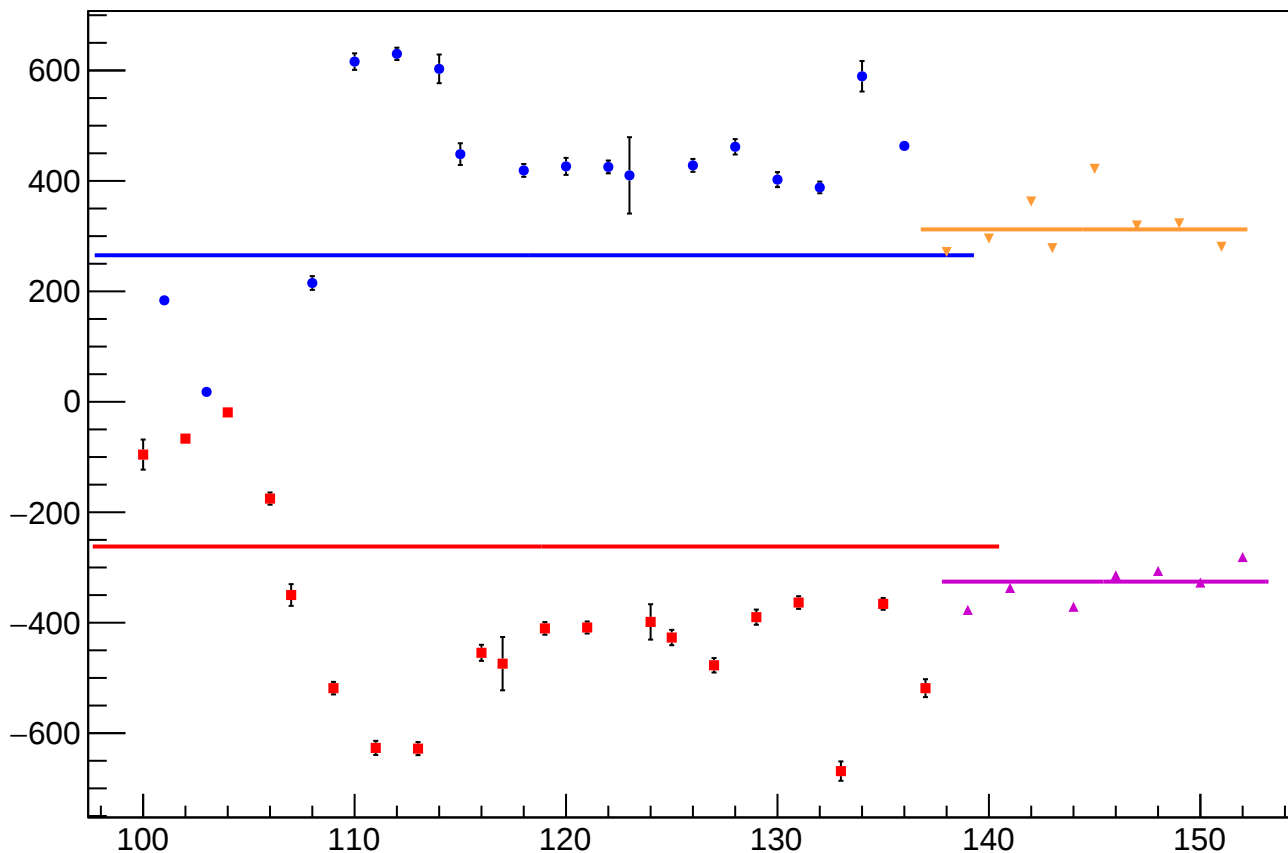
Left In: -17.373 ± 1.240 $\chi^2/\text{NDF}: 98.3/6$

6.664 ± 0.916 $\chi^2/\text{NDF}: 441.8/24$

-0.861 ± 0.651 $\chi^2/\text{NDF}: 1009.1/51$

-8.572 ± 0.927 $\chi^2/\text{NDF}: 430.6/26$

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

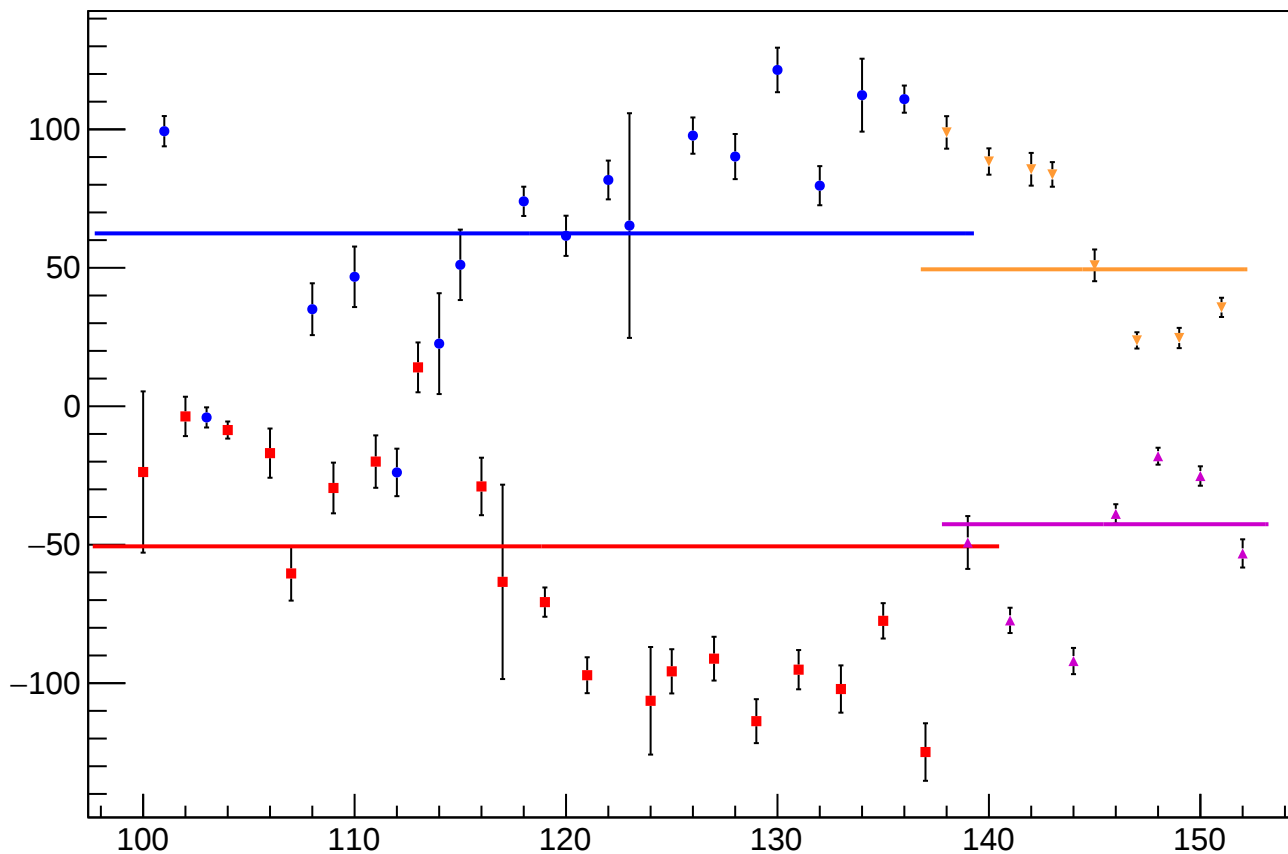
Left In: -325.627 $\pm$ 1.882 χ^2/NDF : 227.9/6

295.655 $\pm$ 1.479 χ^2/NDF : 8358.4/24

-0.239 $\pm$ 1.051 χ^2/NDF : 98091.3/51

-302.072 $\pm$ 1.494 χ^2/NDF : 8874.5/26

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 62.434+/-1.694 χ^2/NDF : 721.8/16

Left Out: 49.456+/-1.480 χ^2/NDF : 372.8/7

Right Out: -50.588+/-1.640 χ^2/NDF : 657.5/19

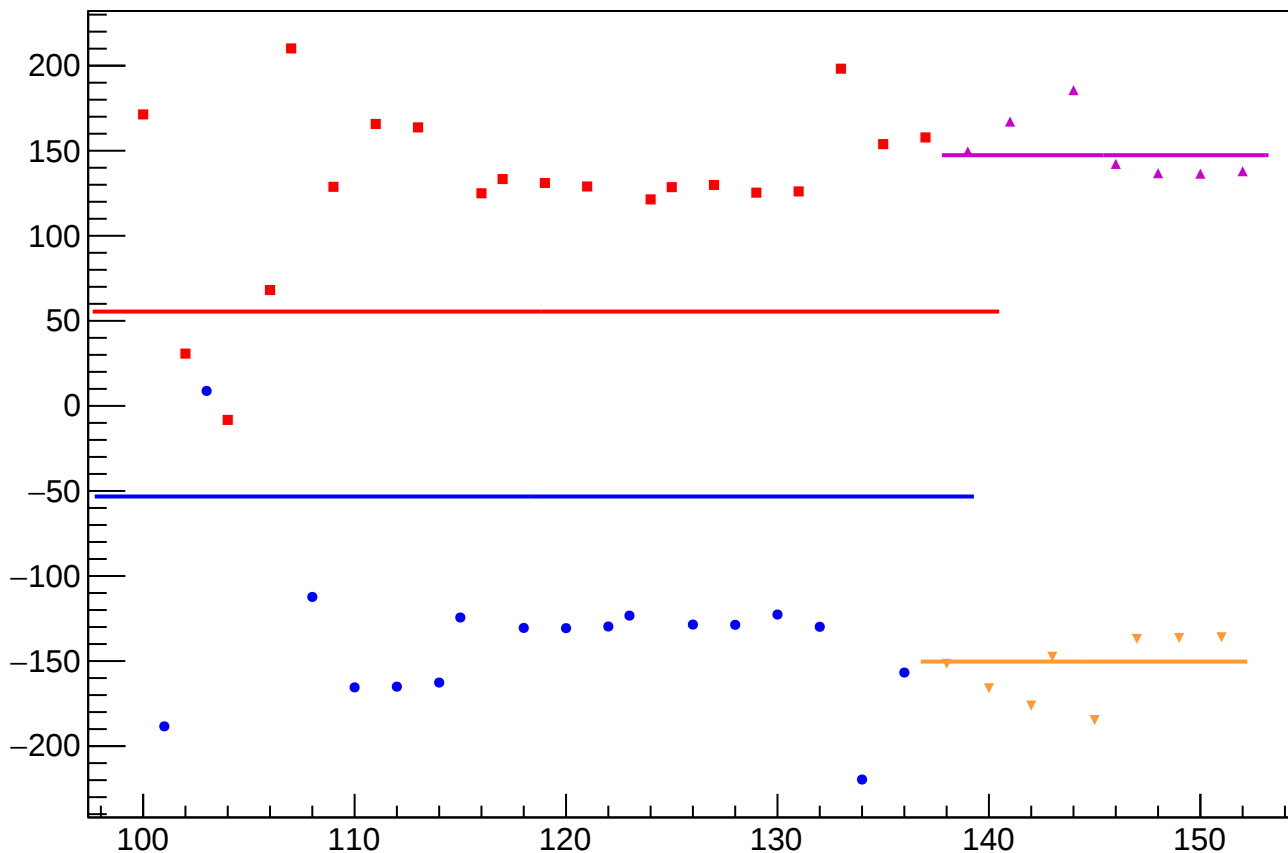
Left In: -42.597+/-1.557 χ^2/NDF : 261.7/6

55.075+/-1.115 χ^2/NDF : 1127.9/24

5.014+/-0.793 χ^2/NDF : 6148.8/51

-46.386+/-1.129 χ^2/NDF : 931.7/26

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

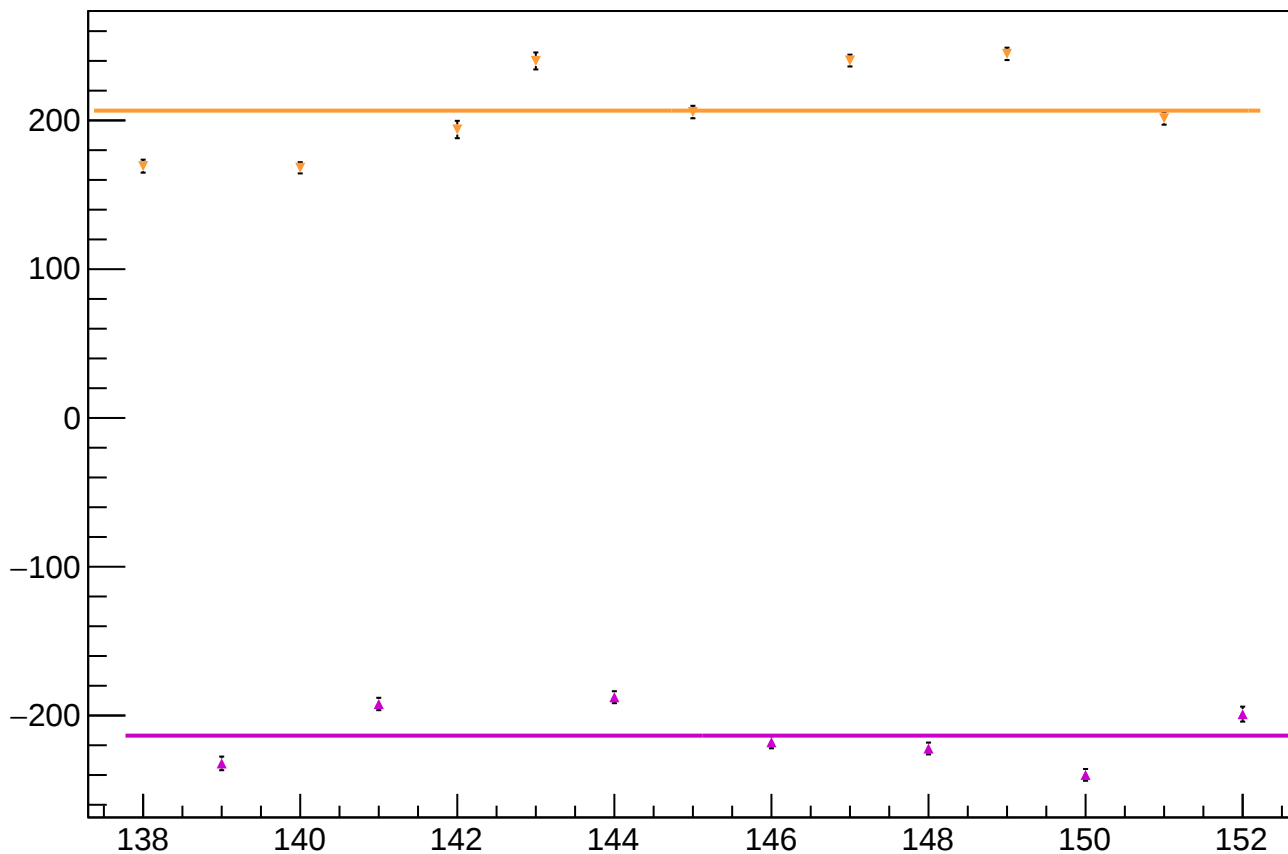
Left In: 147.383 $\pm$ 0.079 χ^2 /NDF: 38360.6/6

-96.530 $\pm$ 0.052 χ^2 /NDF: 2117666.0/24

-0.761 $\pm$ 0.037 χ^2 /NDF: 10626812.3/51

97.348 $\pm$ 0.053 χ^2 /NDF: 1751325.5/26

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

206.580+/-1.553 χ^2/NDF : 371.8/7

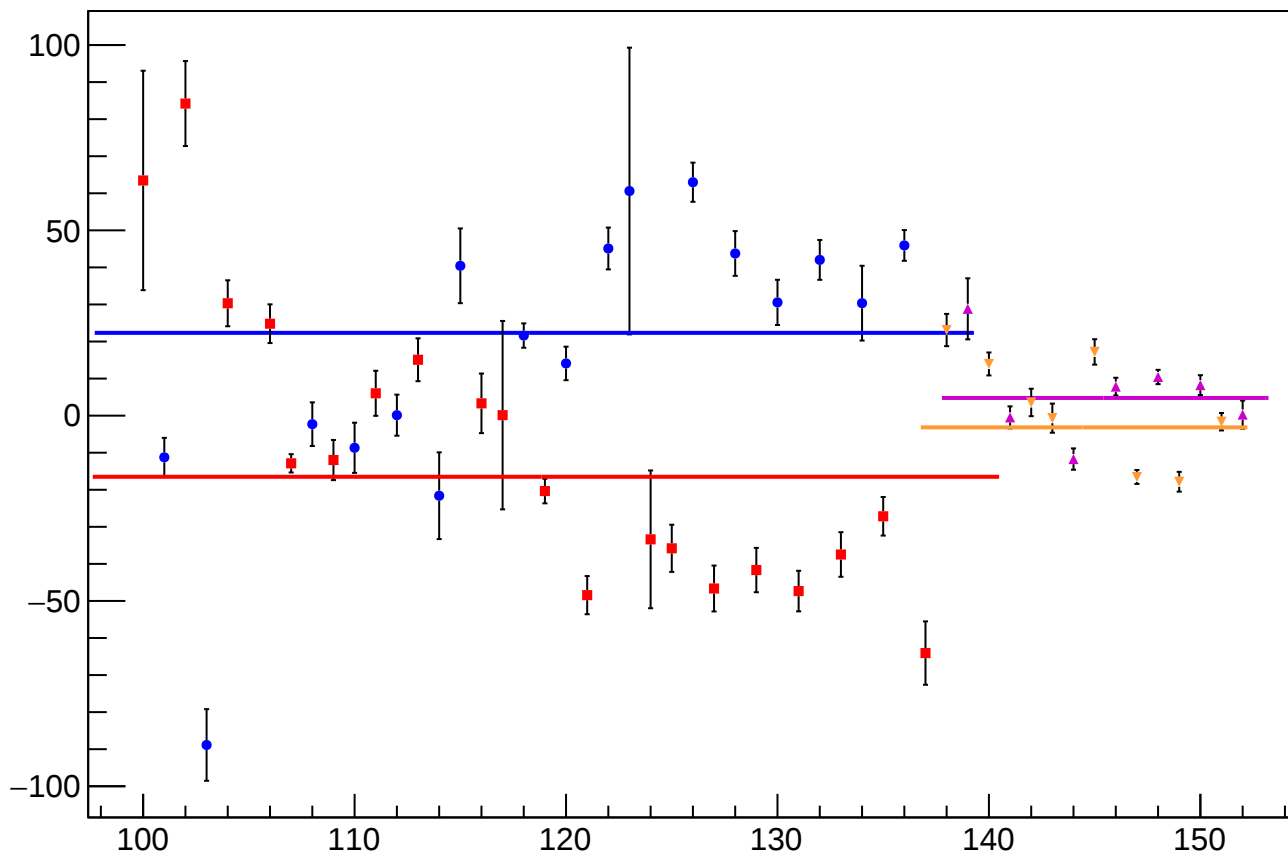
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

2.136+/-1.113 χ^2/NDF : 36105.7/14

Left In: -213.522+/-1.595 χ^2/NDF : 142.2/6

-213.522+/-1.595 χ^2/NDF : 142.2/6

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.342 ± 1.395 $\chi^2/\text{NDF}: 385.8/16$

Left Out: -3.161 ± 1.009 $\chi^2/\text{NDF}: 187.0/7$

Right Out: -16.498 ± 1.226 $\chi^2/\text{NDF}: 427.0/19$

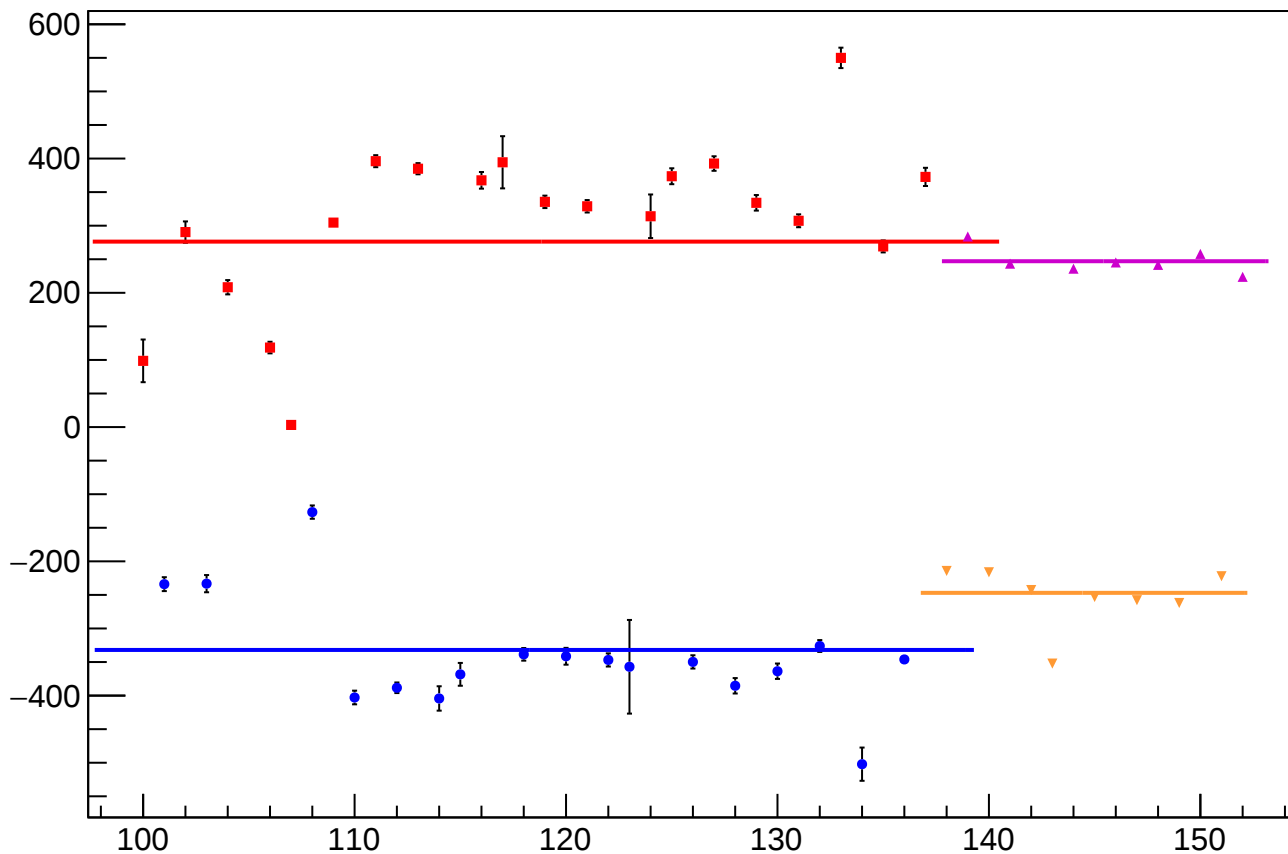
Left In: 4.778 ± 1.052 $\chi^2/\text{NDF}: 57.8/6$

5.598 ± 0.818 $\chi^2/\text{NDF}: 792.2/24$

0.558 ± 0.571 $\chi^2/\text{NDF}: 1524.6/51$

-4.248 ± 0.798 $\chi^2/\text{NDF}: 658.2/26$

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

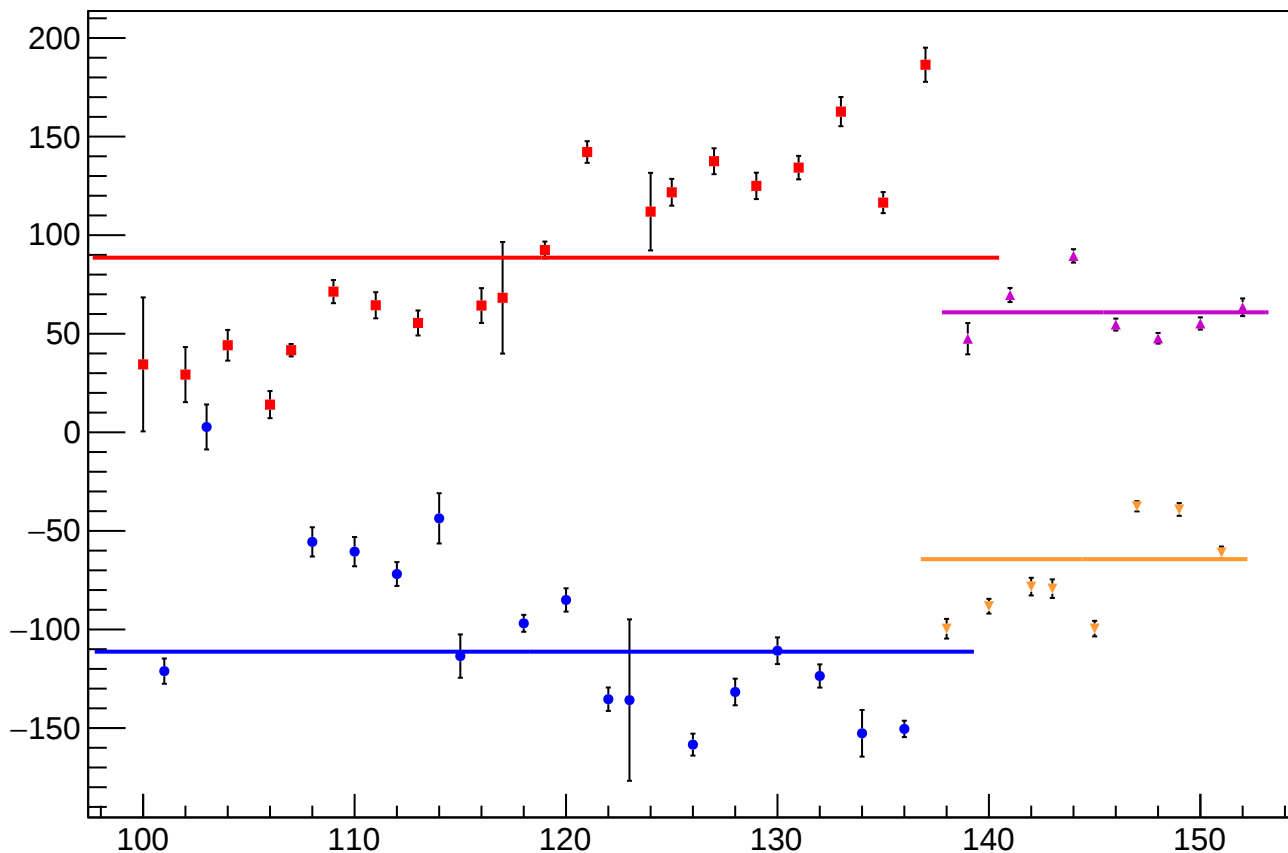
Left In: 247.056 ± 1.584 χ^2/NDF : 96.3/6

-269.828 ± 1.339 χ^2/NDF : 2046.1/24

-0.709 ± 0.936 χ^2/NDF : 84642.8/51

256.341 ± 1.308 χ^2/NDF : 3575.9/26

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

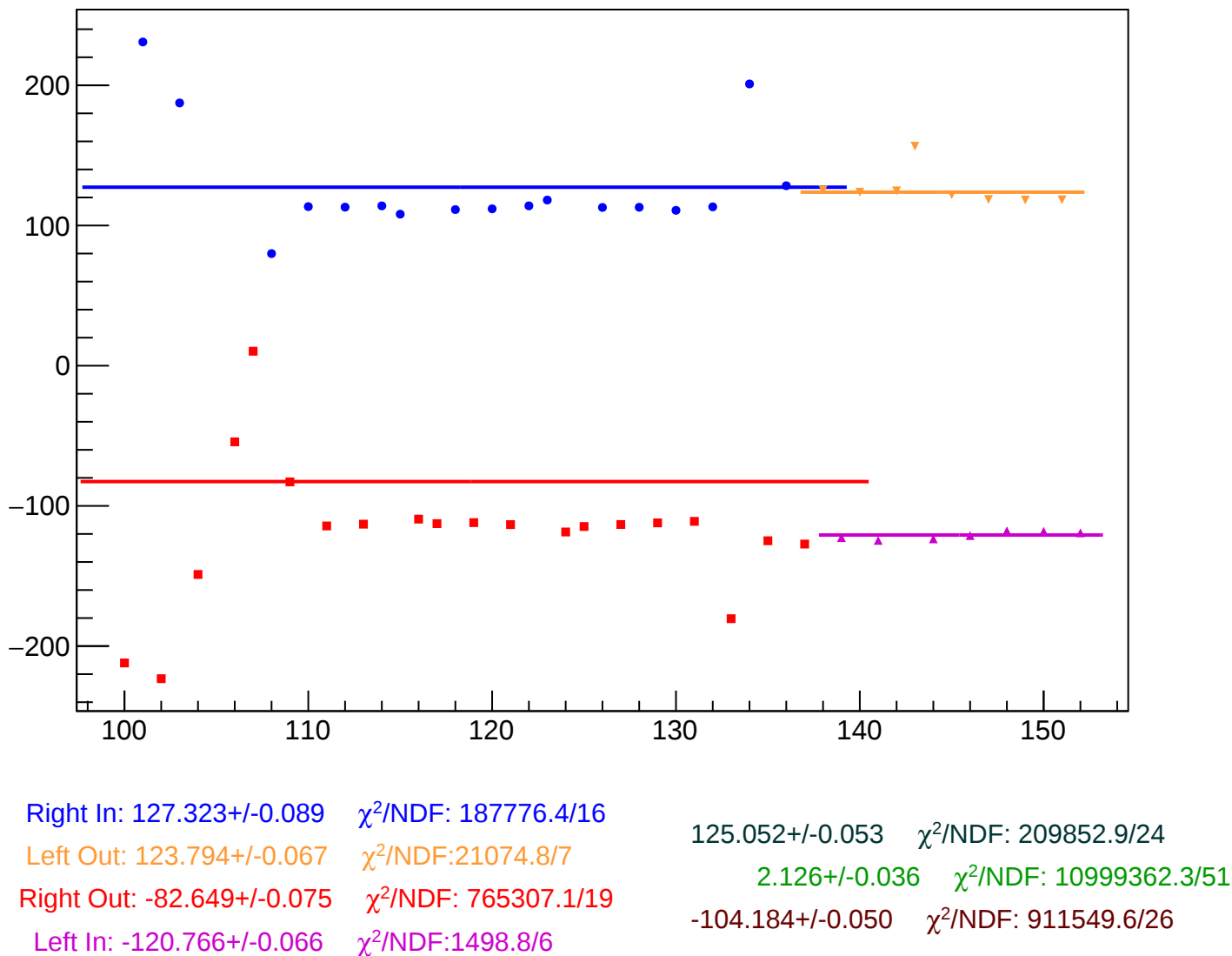
Left In: 60.861 ± 1.314 χ^2/NDF : 110.9/6

-82.492 ± 0.994 χ^2/NDF : 1397.4/24

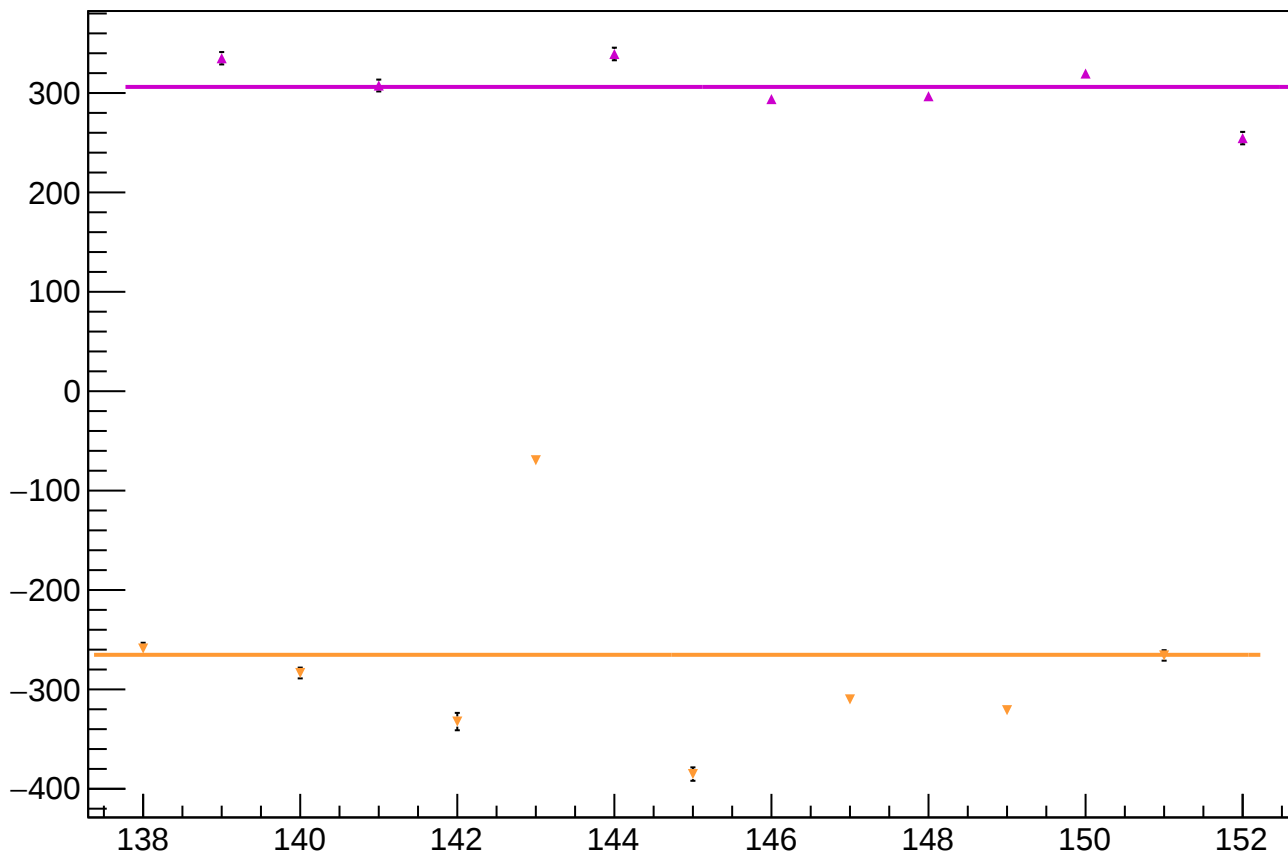
-2.449 ± 0.693 χ^2/NDF : 15336.7/51

73.542 ± 0.968 χ^2/NDF : 1285.9/26

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

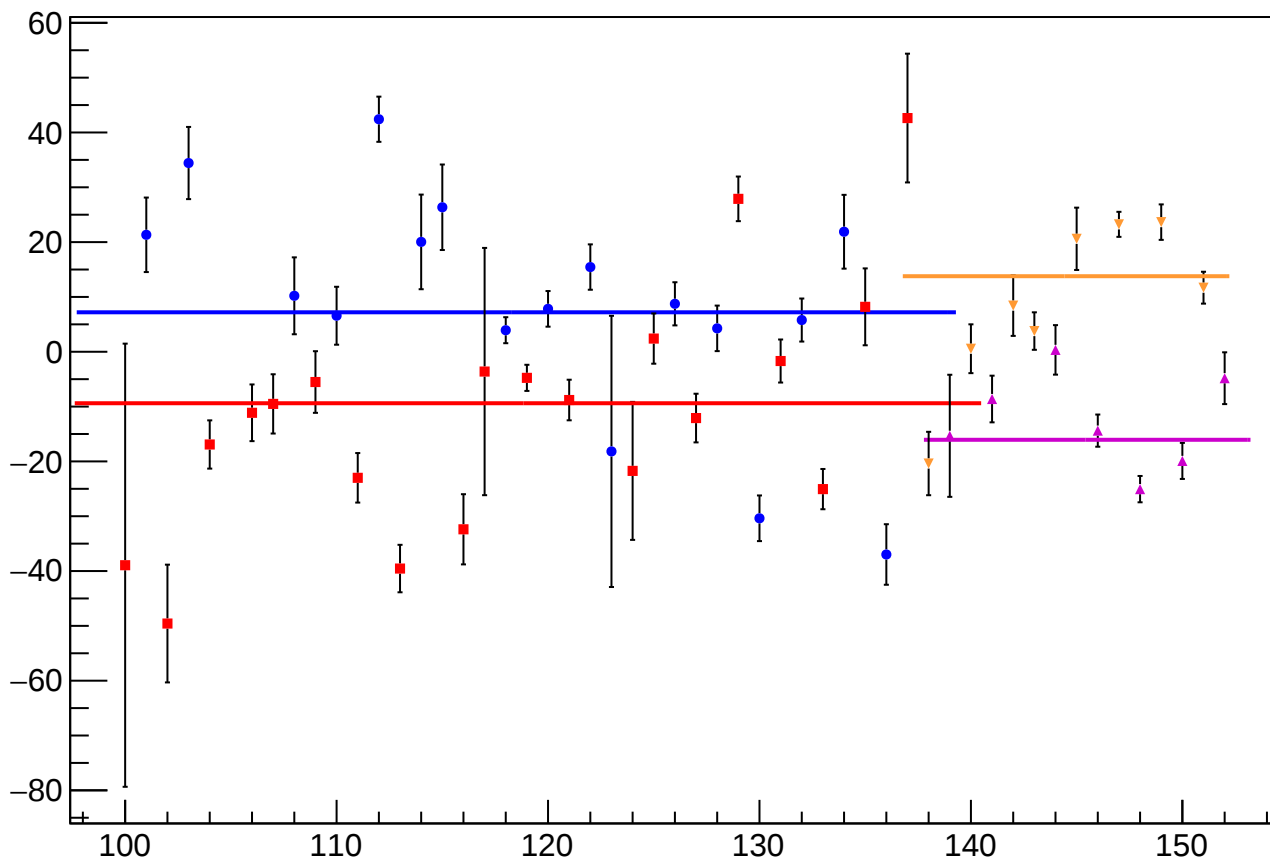
Left In: 306.136+/-2.104 χ^2/NDF : 133.4/6

-265.200+/-1.970 χ^2/NDF : 2174.9/7

1.634+/-1.438 χ^2/NDF : 41608.2/14

306.136+/-2.104 χ^2/NDF : 133.4/6

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.199 ± 1.103 χ^2/NDF : 260.9/16

Left Out: 13.781 ± 1.255 χ^2/NDF : 81.7/7

Right Out: -9.390 ± 1.070 χ^2/NDF : 232.2/19

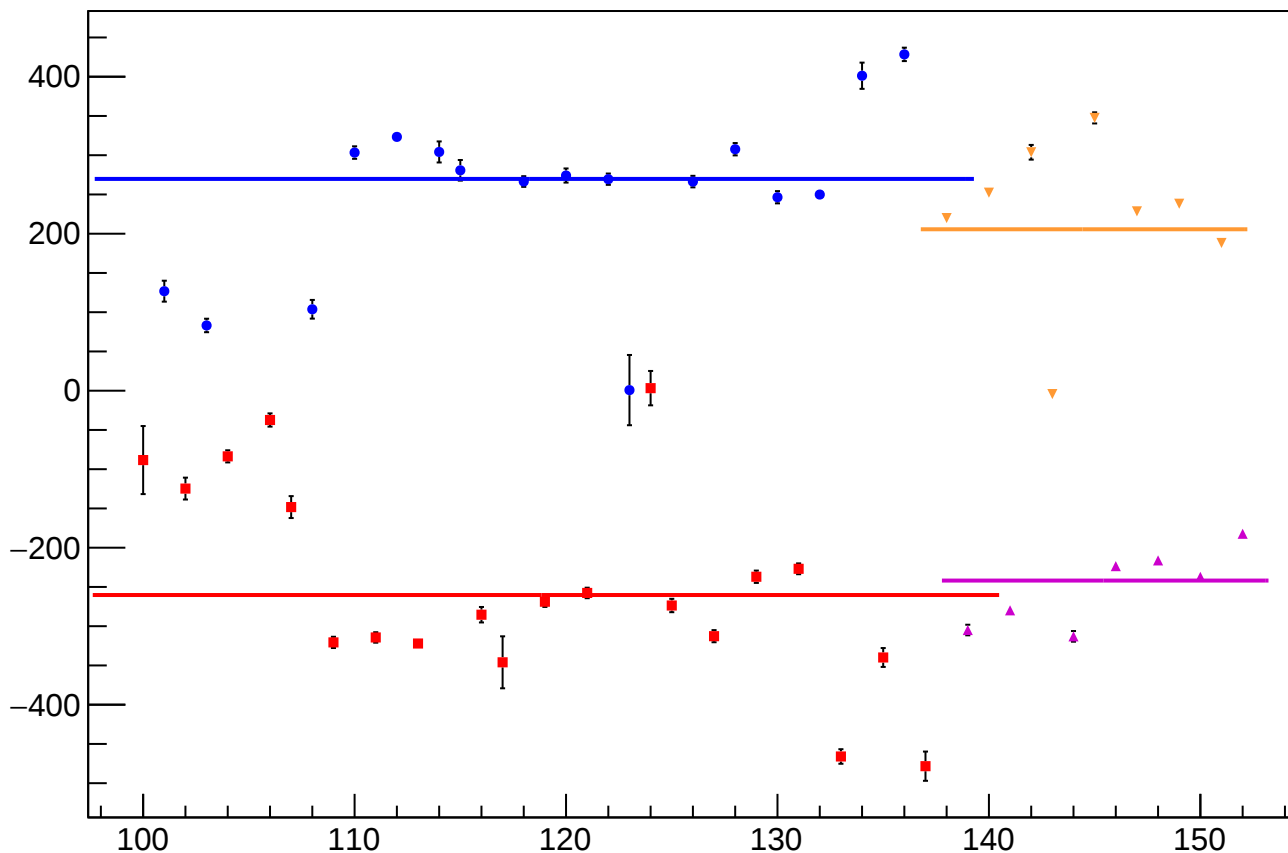
Left In: -16.057 ± 1.362 χ^2/NDF : 37.7/6

10.068 ± 0.828 χ^2/NDF : 358.1/24

-0.763 ± 0.590 χ^2/NDF : 990.0/51

-11.934 ± 0.841 χ^2/NDF : 284.7/26

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

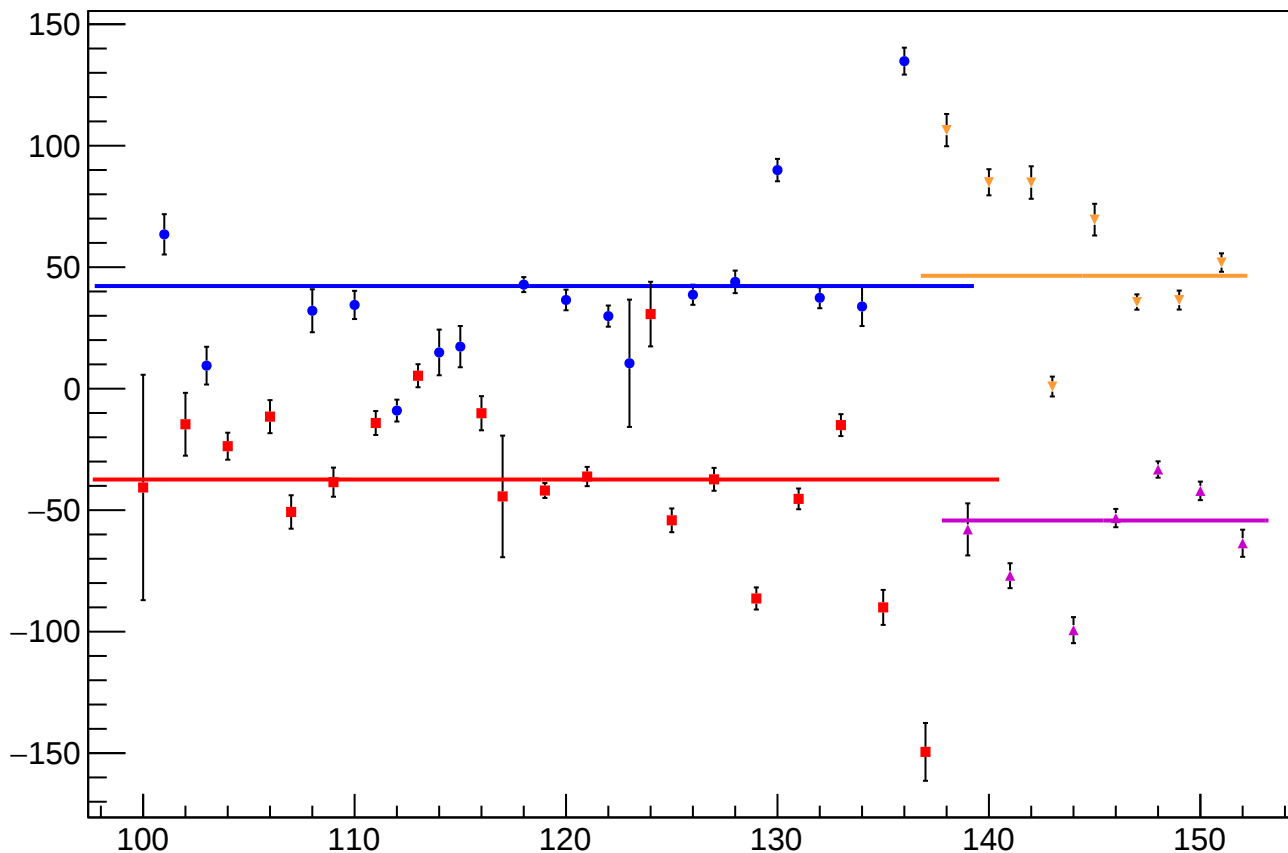
Left In: -241.873 ± 2.070 χ^2/NDF : 377.3/6

235.928 ± 1.435 χ^2/NDF : 4134.2/24

-8.975 ± 1.012 χ^2/NDF : 65051.6/51

-251.519 ± 1.428 χ^2/NDF : 2964.1/26

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.242 ± 1.274 $\chi^2/\text{NDF}: 574.4/16$

Left Out: 46.469 ± 1.584 $\chi^2/\text{NDF}: 322.7/7$

Right Out: -37.384 ± 1.233 $\chi^2/\text{NDF}: 472.4/19$

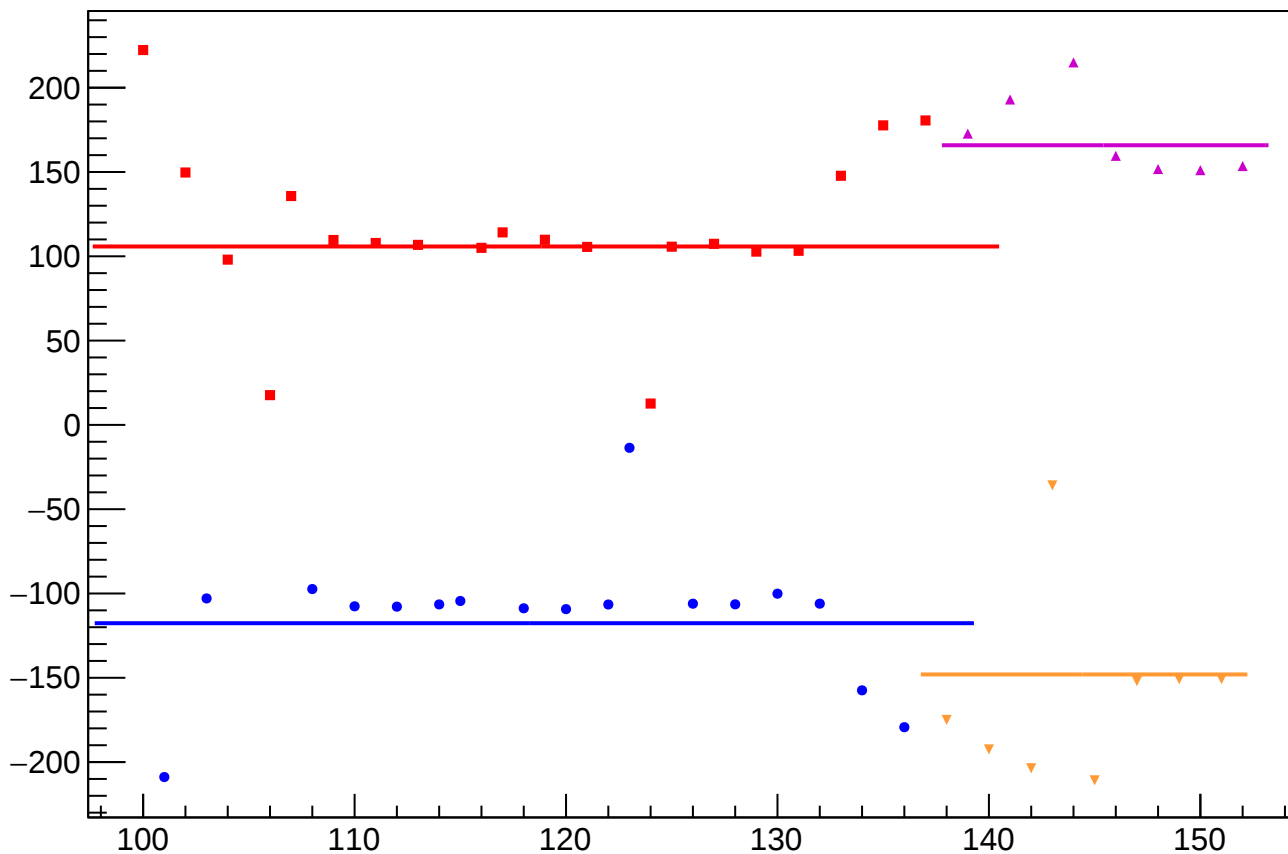
Left In: -54.249 ± 1.711 $\chi^2/\text{NDF}: 142.9/6$

43.902 ± 0.992 $\chi^2/\text{NDF}: 901.4/24$

0.717 ± 0.705 $\chi^2/\text{NDF}: 5397.3/51$

-43.150 ± 1.000 $\chi^2/\text{NDF}: 679.2/26$

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

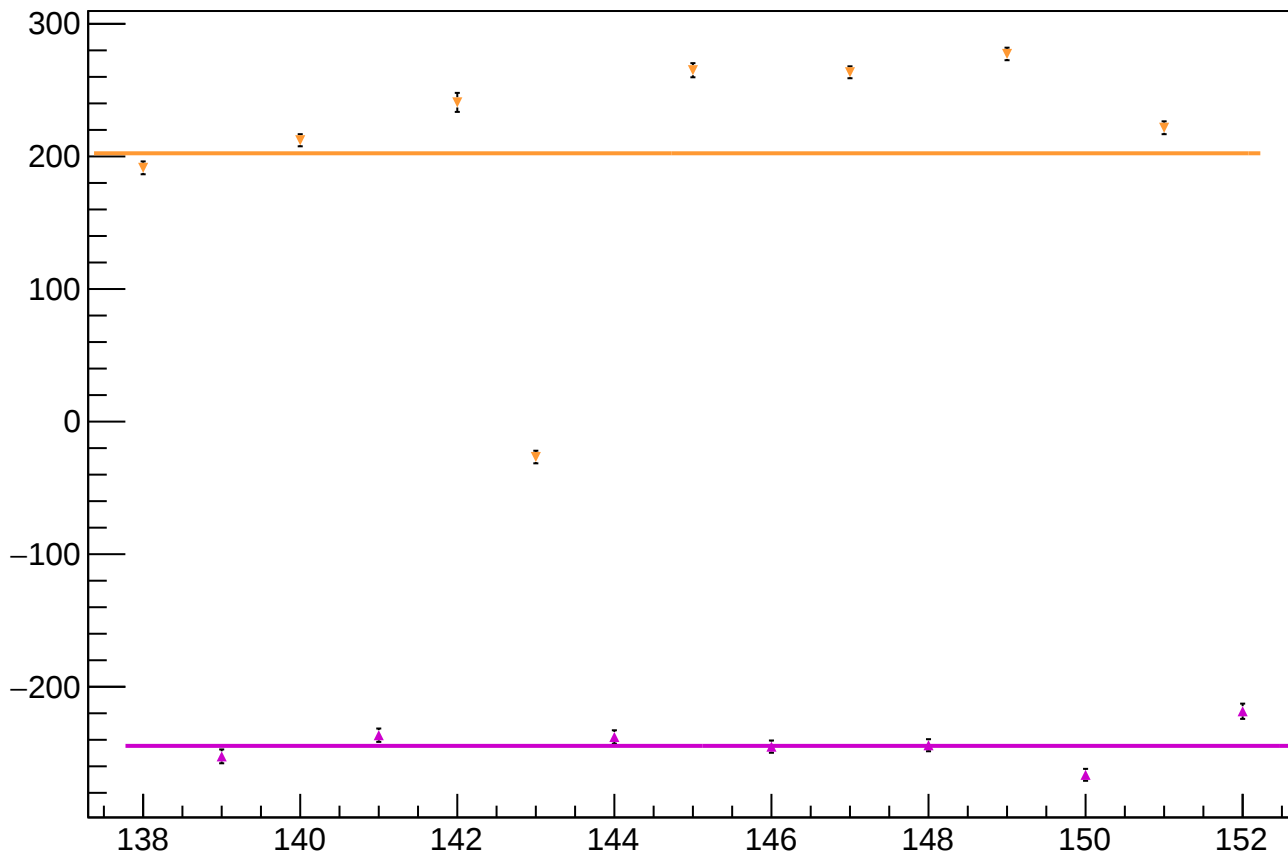
Left In: 165.874+/-0.087 χ^2/NDF : 53603.0/6

-131.769+/-0.057 χ^2/NDF : 611074.5/24

3.484+/-0.040 χ^2/NDF : 12036178.9/51

130.677+/-0.056 χ^2/NDF : 658846.3/26

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

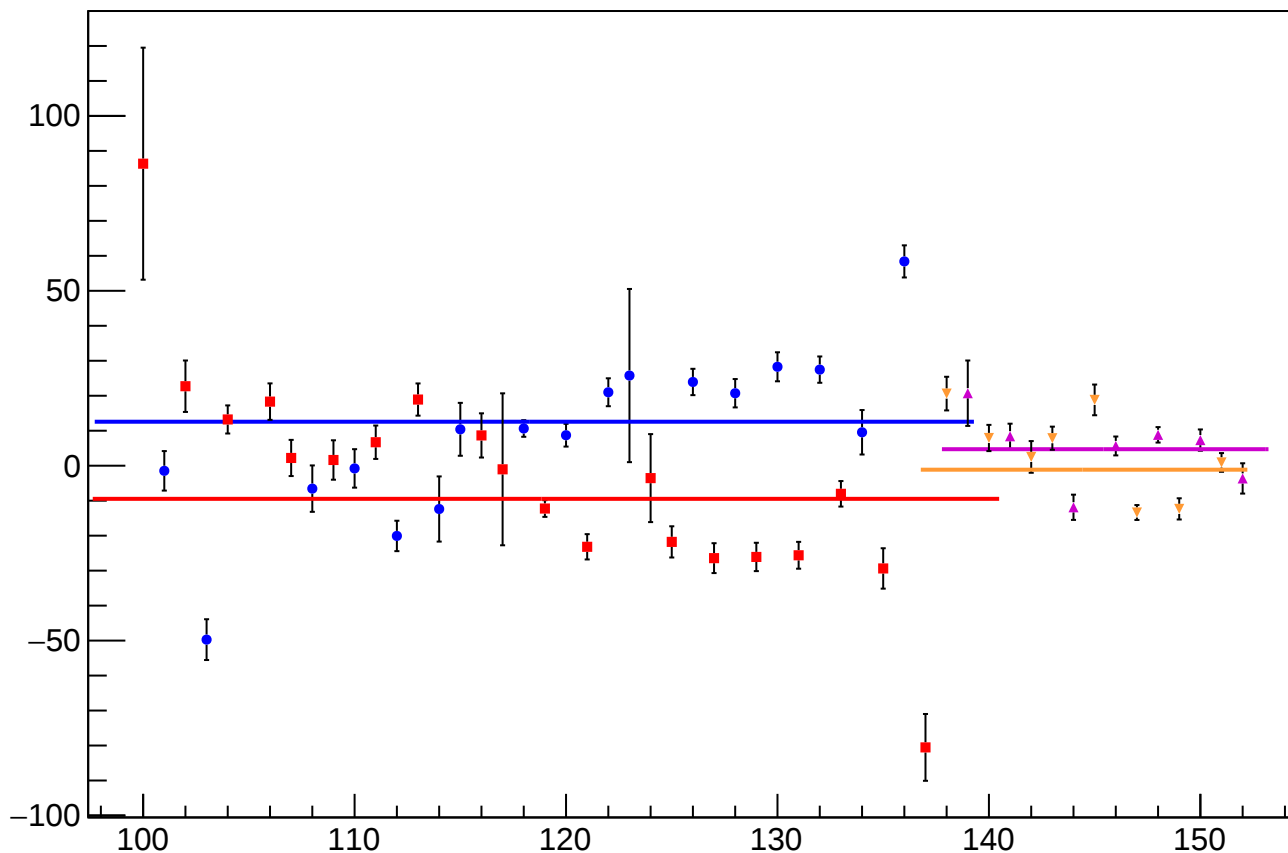
-7.859+/-1.275 χ^2/NDF : 33615.7/14

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

-244.574+/-1.859 χ^2/NDF : 50.7/6

Left In: -244.574+/-1.859 χ^2/NDF :50.7/6

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

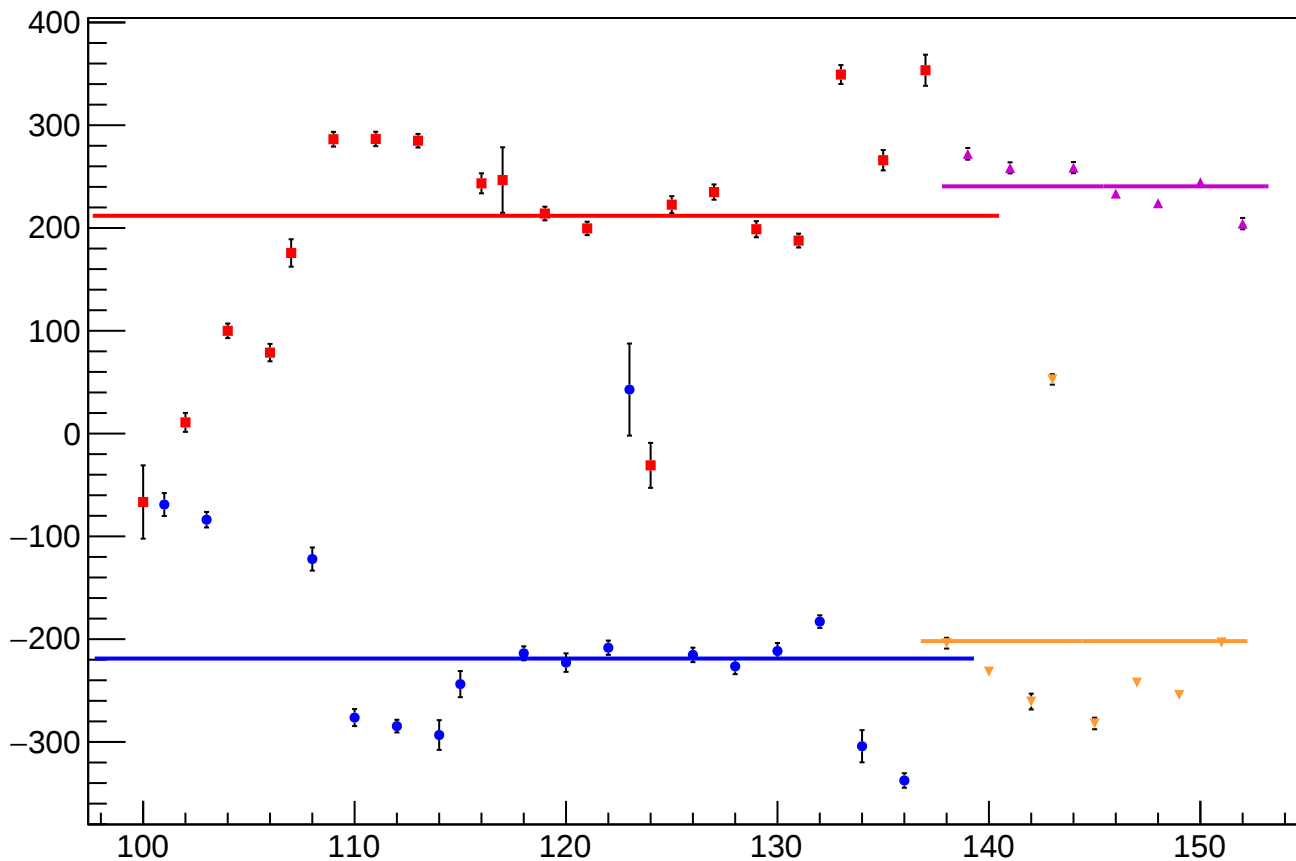
Left In: 4.717+/-1.222 χ^2/NDF : 33.2/6

6.100+/-0.780 χ^2/NDF : 527.2/24

1.401+/-0.557 χ^2/NDF : 1008.1/51

-3.473+/-0.795 χ^2/NDF : 407.0/26

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -218.855 ± 2.023 $\chi^2/\text{NDF}: 1146.6/16$

Left Out: -201.882 ± 1.767 $\chi^2/\text{NDF}: 3047.6/7$

Right Out: 211.907 ± 1.920 $\chi^2/\text{NDF}: 1886.4/19$

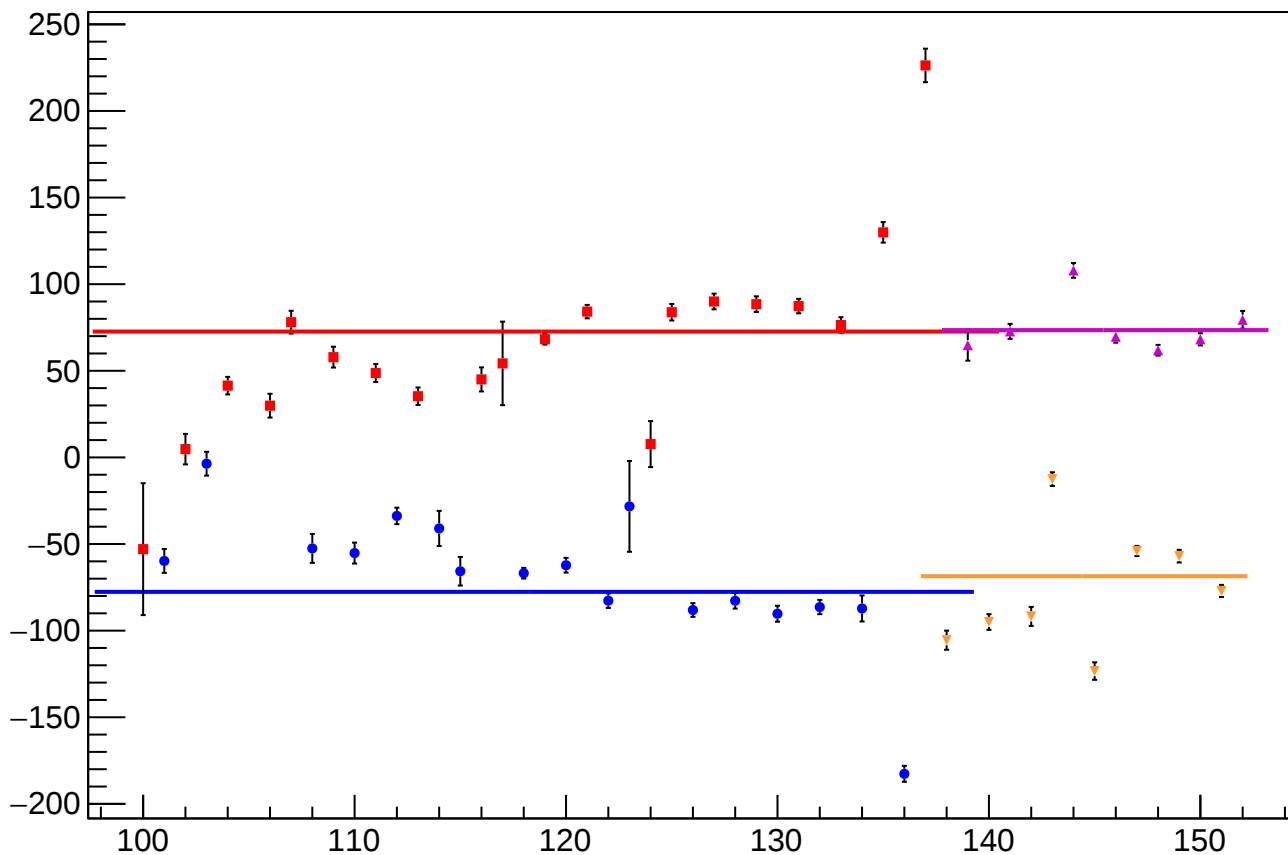
Left In: 240.538 ± 1.840 $\chi^2/\text{NDF}: 115.2/6$

-209.229 ± 1.331 $\chi^2/\text{NDF}: 4234.1/24$

9.140 ± 0.940 $\chi^2/\text{NDF}: 60129.0/51$

226.833 ± 1.329 $\chi^2/\text{NDF}: 2117.5/26$

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

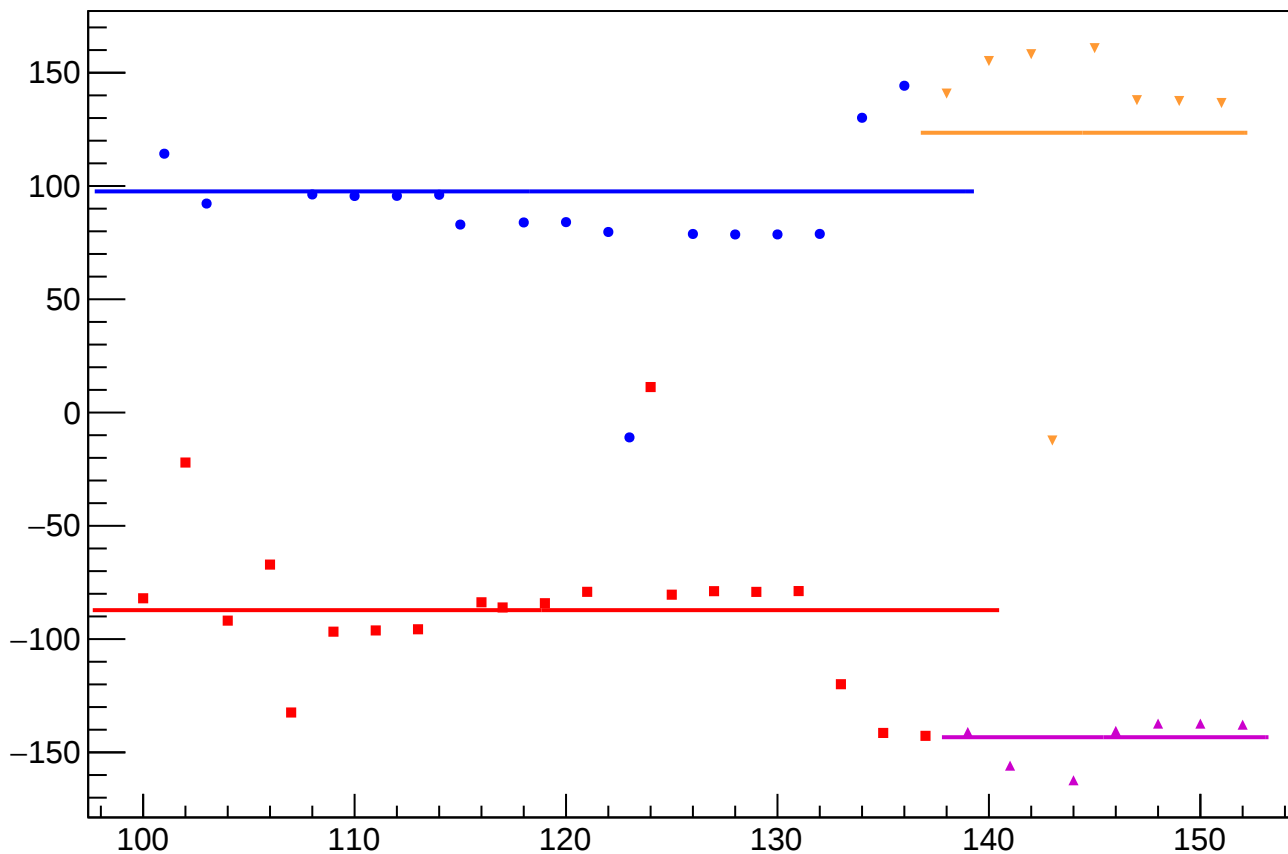
Left In: 73.499 ± 1.529 χ^2/NDF : 84.9/6

-73.727 ± 0.935 χ^2/NDF : 1294.9/24

-1.280 ± 0.665 χ^2/NDF : 14218.8/51

72.984 ± 0.946 χ^2/NDF : 757.1/26

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

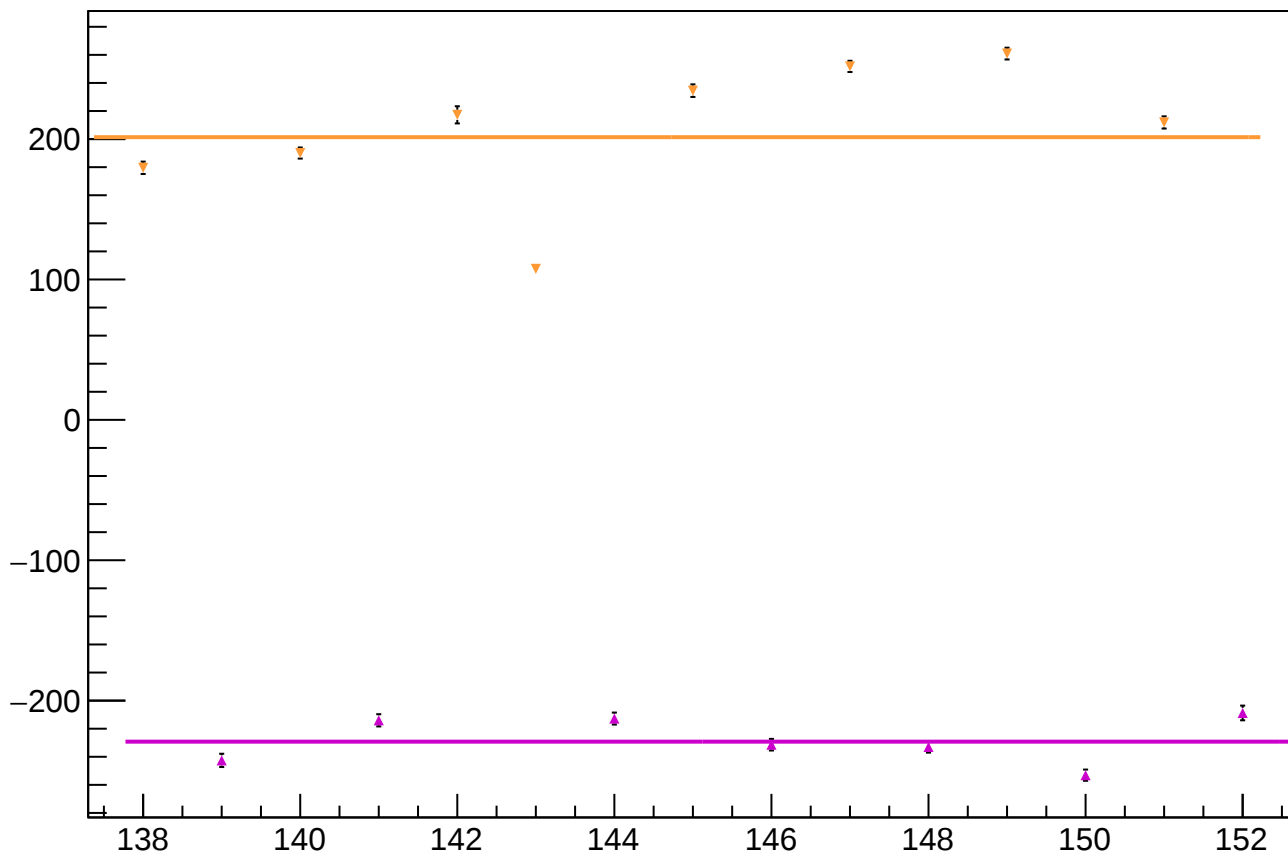
Left In: -143.308+/-0.077 χ^2/NDF : 12969.9/6

110.338+/-0.053 χ^2/NDF : 686872.6/24

-4.279+/-0.037 χ^2/NDF : 10439336.7/51

-111.986+/-0.051 χ^2/NDF : 532455.8/26

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

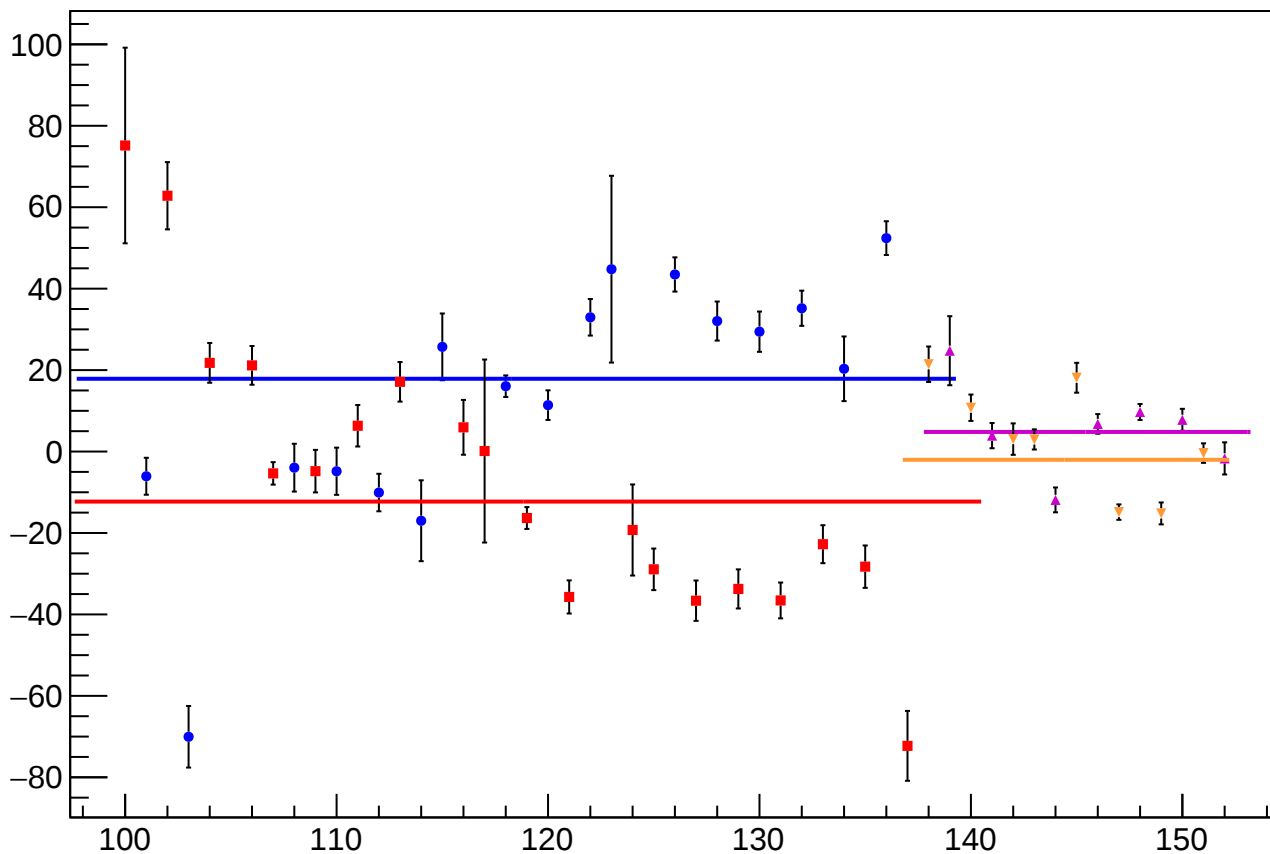
Left In: -229.230 ± 1.643 χ^2/NDF : 86.9/6

201.363 ± 1.506 χ^2/NDF : 1143.3/7

4.772 ± 1.110 χ^2/NDF : 38576.3/14

-229.230 ± 1.643 χ^2/NDF : 86.9/6

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.872+/-1.166 χ^2/NDF : 395.3/16

Left Out: -2.024+/-0.979 χ^2/NDF : 151.0/7

Right Out: -12.288+/-1.082 χ^2/NDF : 444.4/19

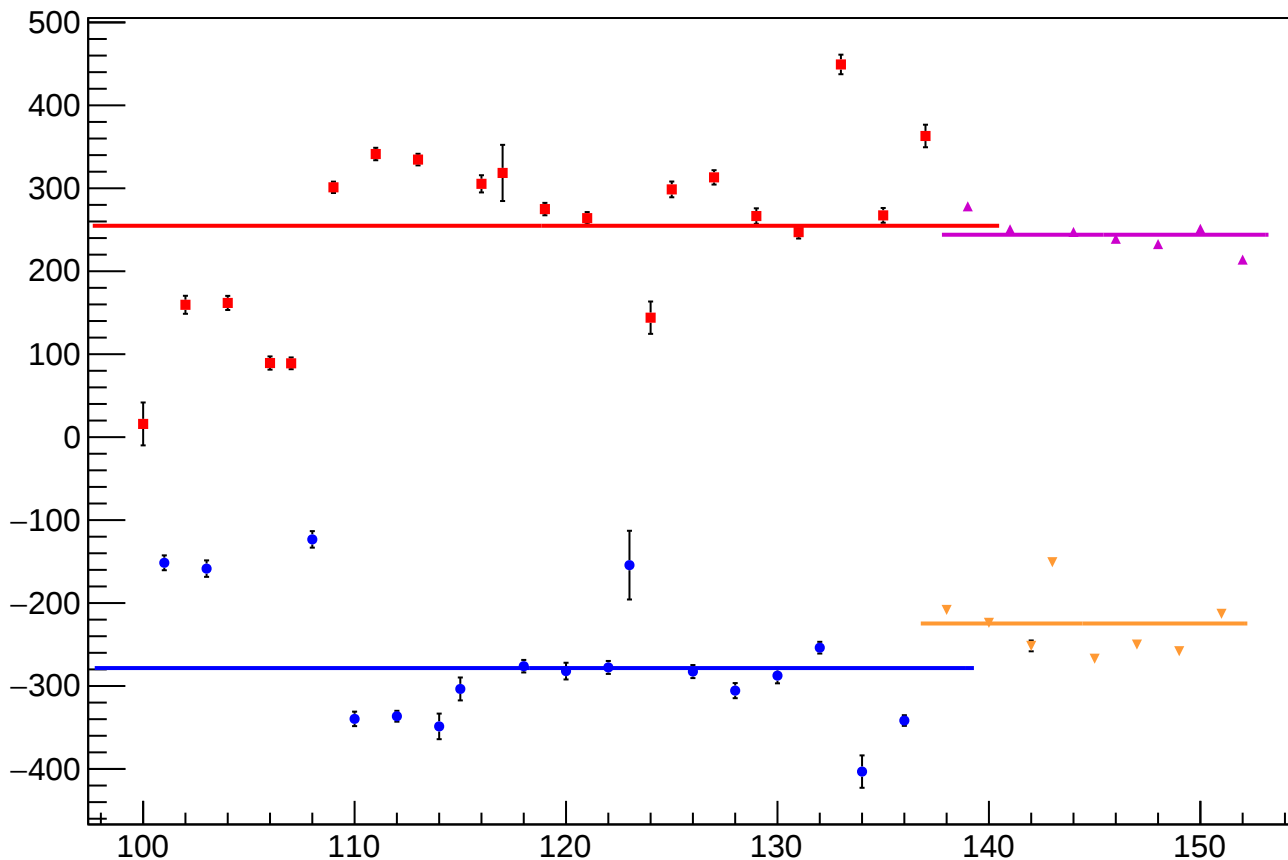
Left In: 4.813+/-1.079 χ^2/NDF : 46.4/6

6.204+/-0.750 χ^2/NDF : 717.2/24

1.340+/-0.535 χ^2/NDF : 1419.0/51

-3.710+/-0.764 χ^2/NDF : 616.1/26

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

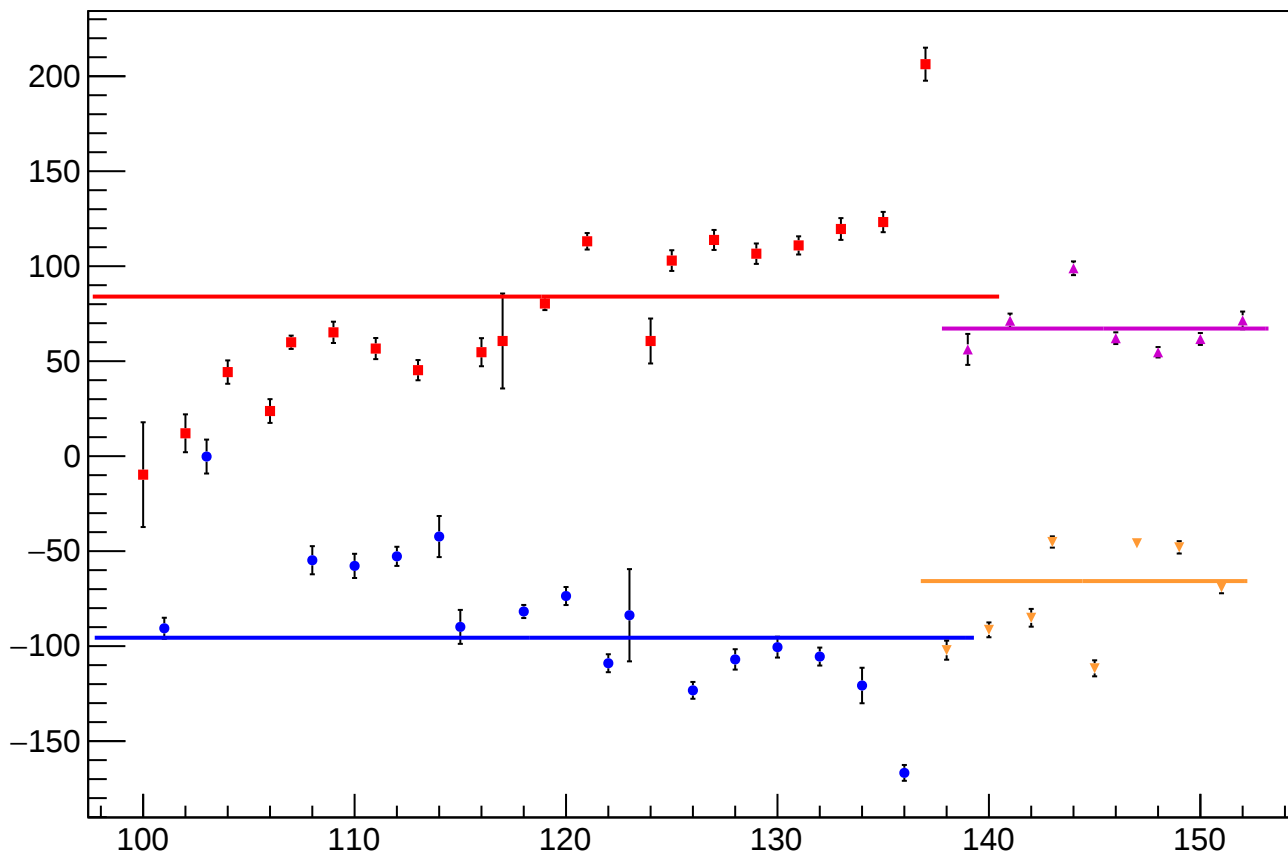
Left In: 244.011+/-1.628 χ^2/NDF : 96.8/6

-242.246+/-1.250 χ^2/NDF : 1924.7/24

-0.209+/-0.890 χ^2/NDF : 80052.4/51

248.281+/-1.267 χ^2/NDF : 2155.3/26

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

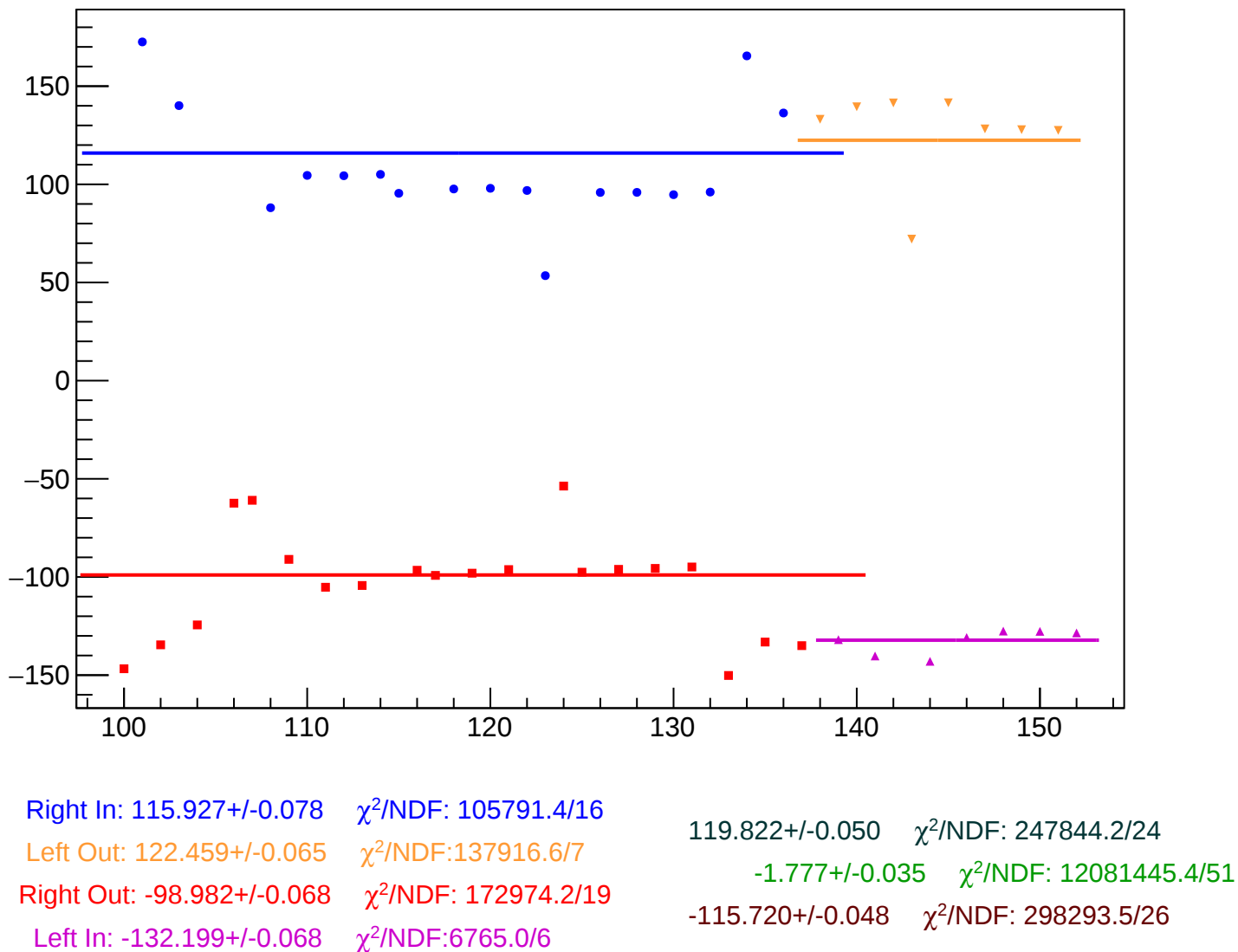
Left In: 67.176+/-1.349 χ^2/NDF : 107.5/6

-79.352+/-0.905 χ^2/NDF : 1308.6/24

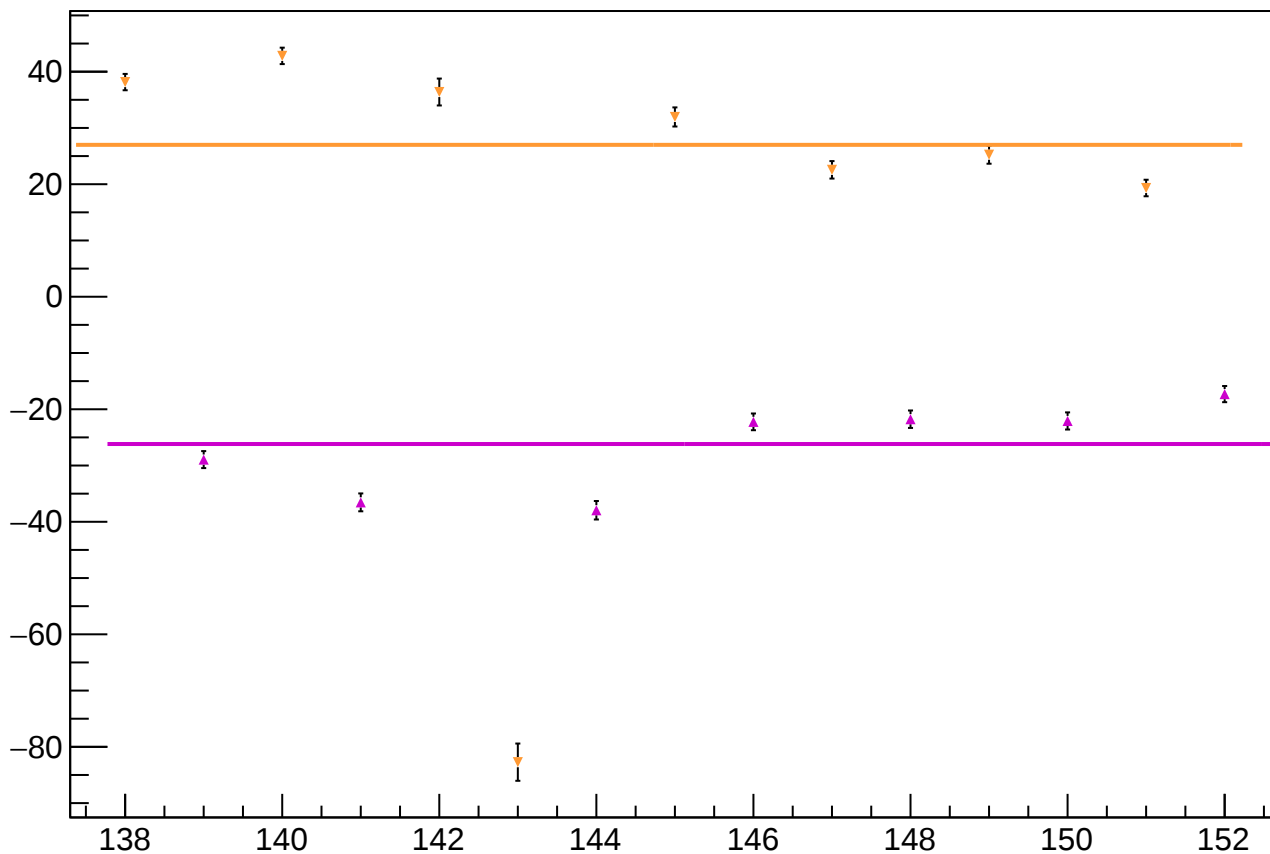
-2.757+/-0.645 χ^2/NDF : 16826.6/51

76.195+/-0.919 χ^2/NDF : 974.9/26

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

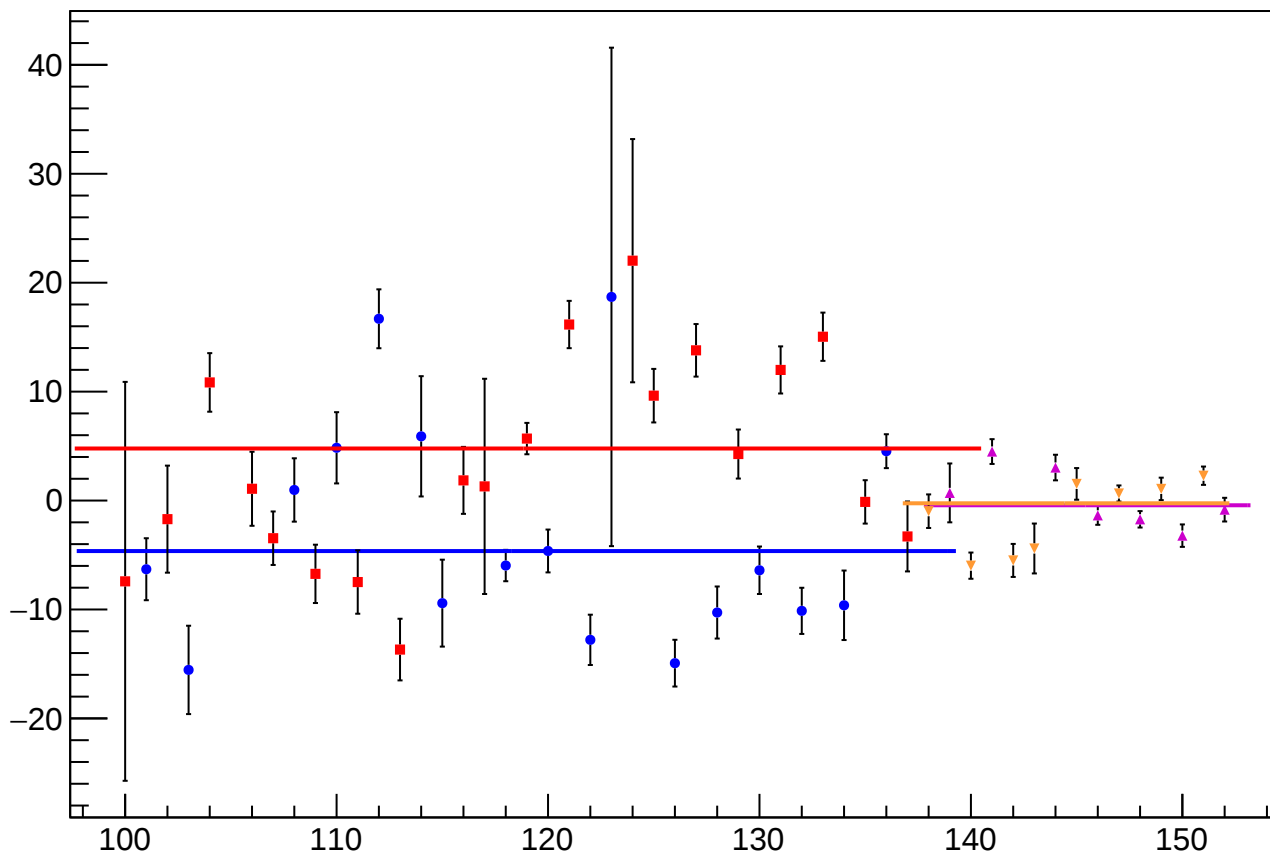
Left In: -26.177+/-0.578 χ^2/NDF :157.9/6

26.997+/-0.595 χ^2/NDF : 1335.5/7

-0.355+/-0.415 χ^2/NDF : 5601.9/14

-26.177+/-0.578 χ^2/NDF : 157.9/6

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.637 ± 0.588 $\chi^2/\text{NDF}: 174.4/16$

Left Out: -0.252 ± 0.395 $\chi^2/\text{NDF}: 51.8/7$

Right Out: 4.779 ± 0.583 $\chi^2/\text{NDF}: 192.7/19$

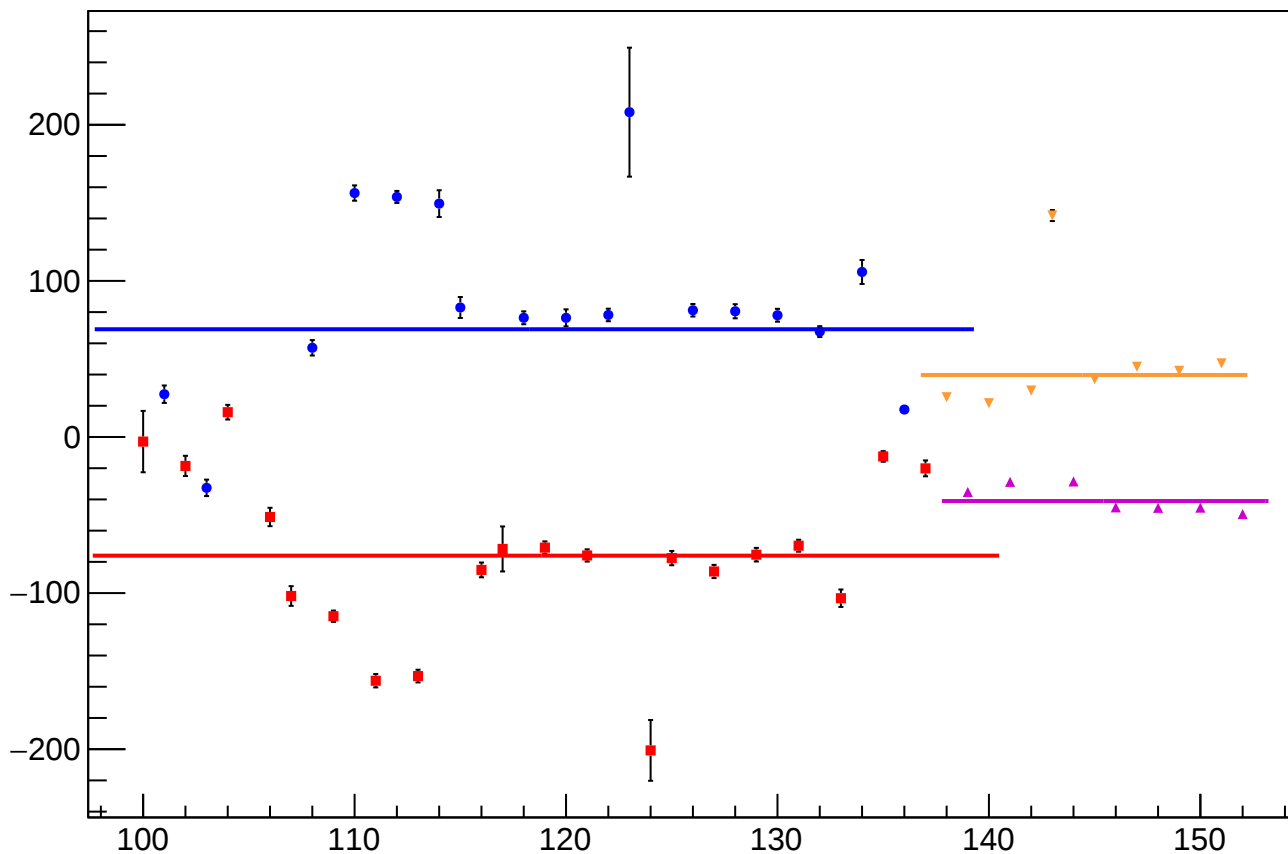
Left In: -0.433 ± 0.392 $\chi^2/\text{NDF}: 39.2/6$

-1.617 ± 0.328 $\chi^2/\text{NDF}: 264.6/24$

-0.204 ± 0.231 $\chi^2/\text{NDF}: 588.2/51$

1.187 ± 0.325 $\chi^2/\text{NDF}: 286.8/26$

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 $\chi^2/\text{NDF}: 1882.0/19$

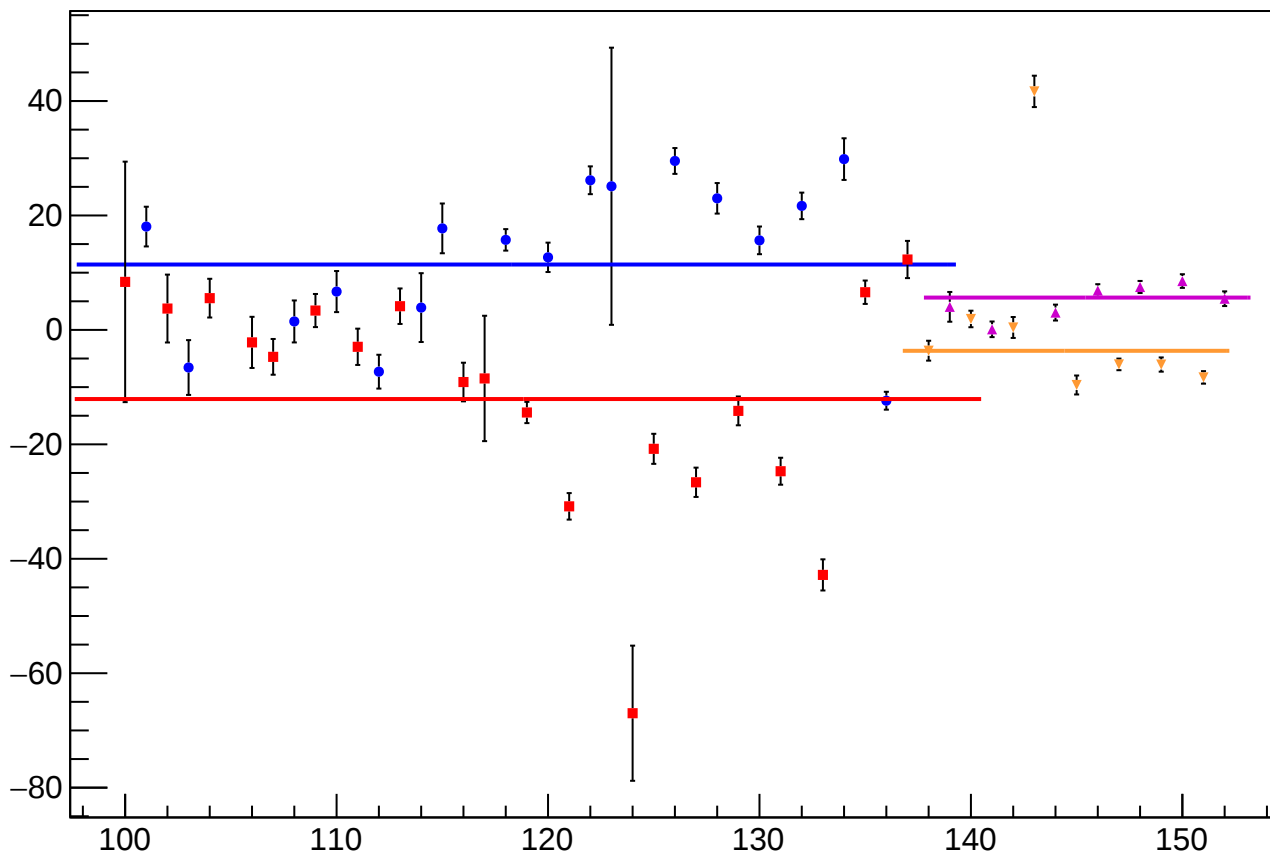
Left In: -41.022 ± 0.574 $\chi^2/\text{NDF}: 179.1/6$

46.570 ± 0.524 $\chi^2/\text{NDF}: 3523.7/24$

-2.864 ± 0.364 $\chi^2/\text{NDF}: 23620.2/51$

-48.869 ± 0.505 $\chi^2/\text{NDF}: 2895.7/26$

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

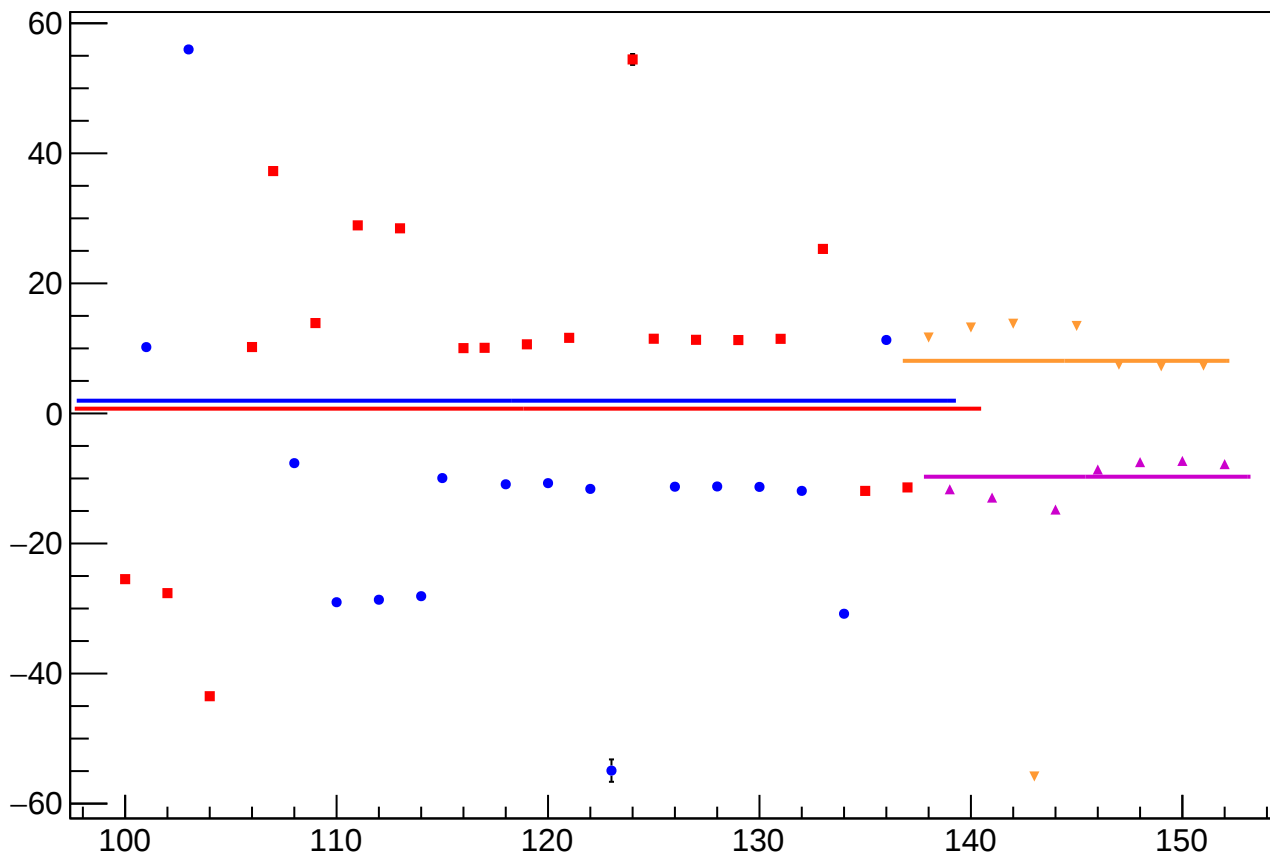
Left In: 5.649+/-0.487 χ^2 /NDF: 30.6/6

1.740+/-0.398 χ^2 /NDF: 1139.9/24

0.571+/-0.279 χ^2 /NDF: 2191.7/51

-0.565+/-0.392 χ^2 /NDF: 1034.8/26

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.960 ± 0.037 $\chi^2/\text{NDF}: 358457.0/16$

Left Out: 8.091 ± 0.025 $\chi^2/\text{NDF}: 222422.3/7$

Right Out: 0.733 ± 0.037 $\chi^2/\text{NDF}: 361368.4/19$

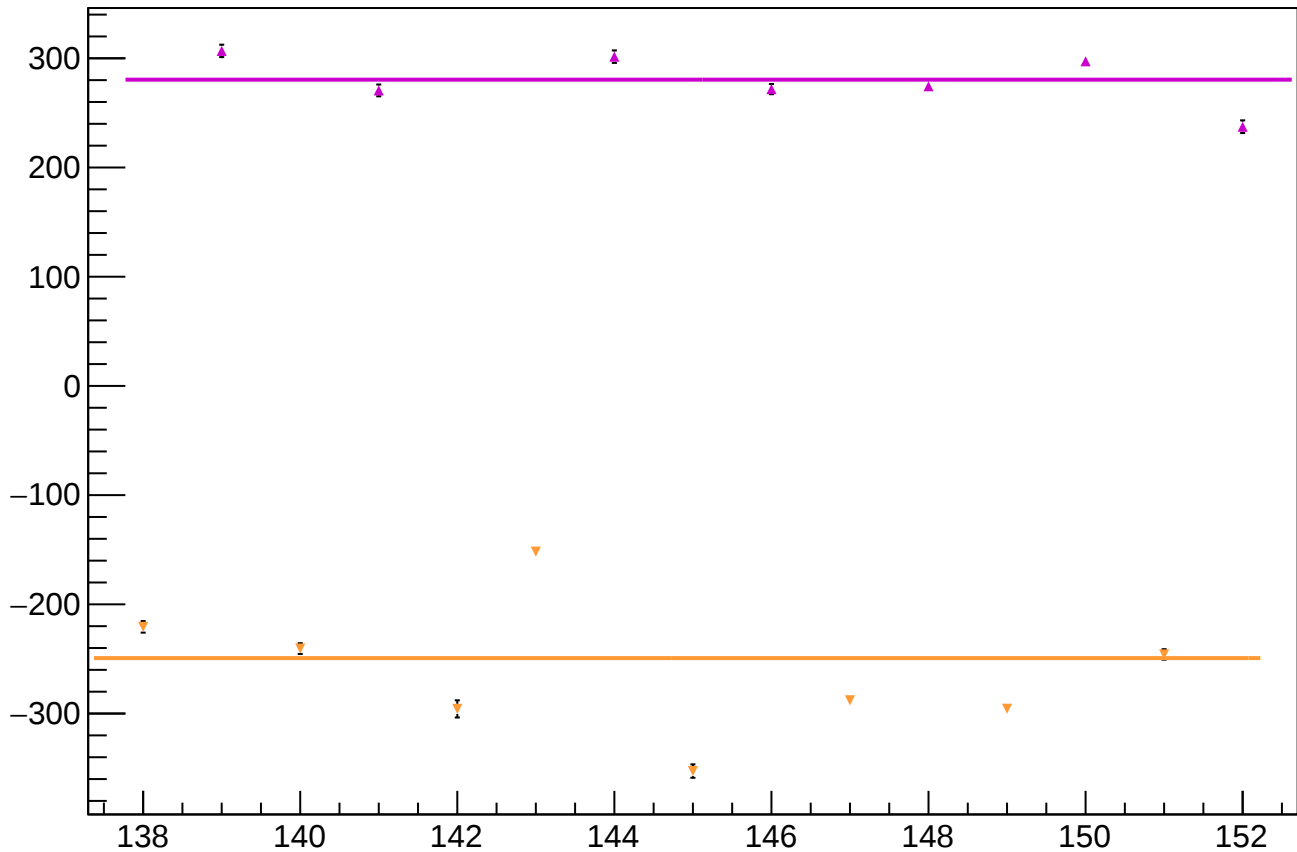
Left In: -9.730 ± 0.024 $\chi^2/\text{NDF}: 12111.7/6$

6.146 ± 0.021 $\chi^2/\text{NDF}: 599477.6/24$

-0.568 ± 0.014 $\chi^2/\text{NDF}: 1226381.1/51$

-6.690 ± 0.020 $\chi^2/\text{NDF}: 430024.3/26$

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -249.224 ± 1.757 $\chi^2/\text{NDF}: 1124.8/7$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

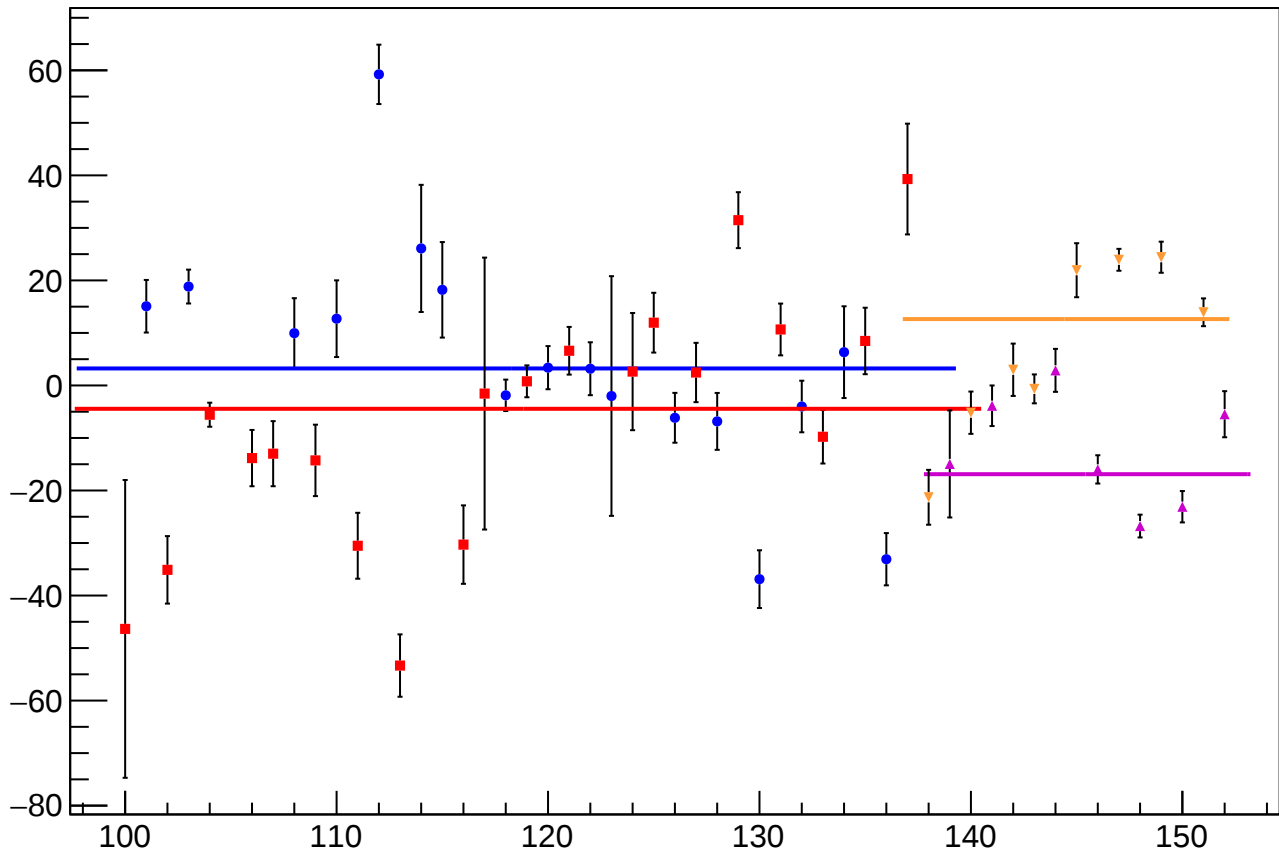
Left In: 280.438 ± 1.920 $\chi^2/\text{NDF}: 112.6/6$

-249.224 ± 1.757 $\chi^2/\text{NDF}: 1124.8/7$

-7.821 ± 1.296 $\chi^2/\text{NDF}: 42672.4/14$

280.438 ± 1.920 $\chi^2/\text{NDF}: 112.6/6$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.237 ± 1.244 $\chi^2/\text{NDF}: 255.3/16$

Left Out: 12.638 ± 1.121 $\chi^2/\text{NDF}: 137.5/7$

Right Out: -4.444 ± 1.156 $\chi^2/\text{NDF}: 225.8/19$

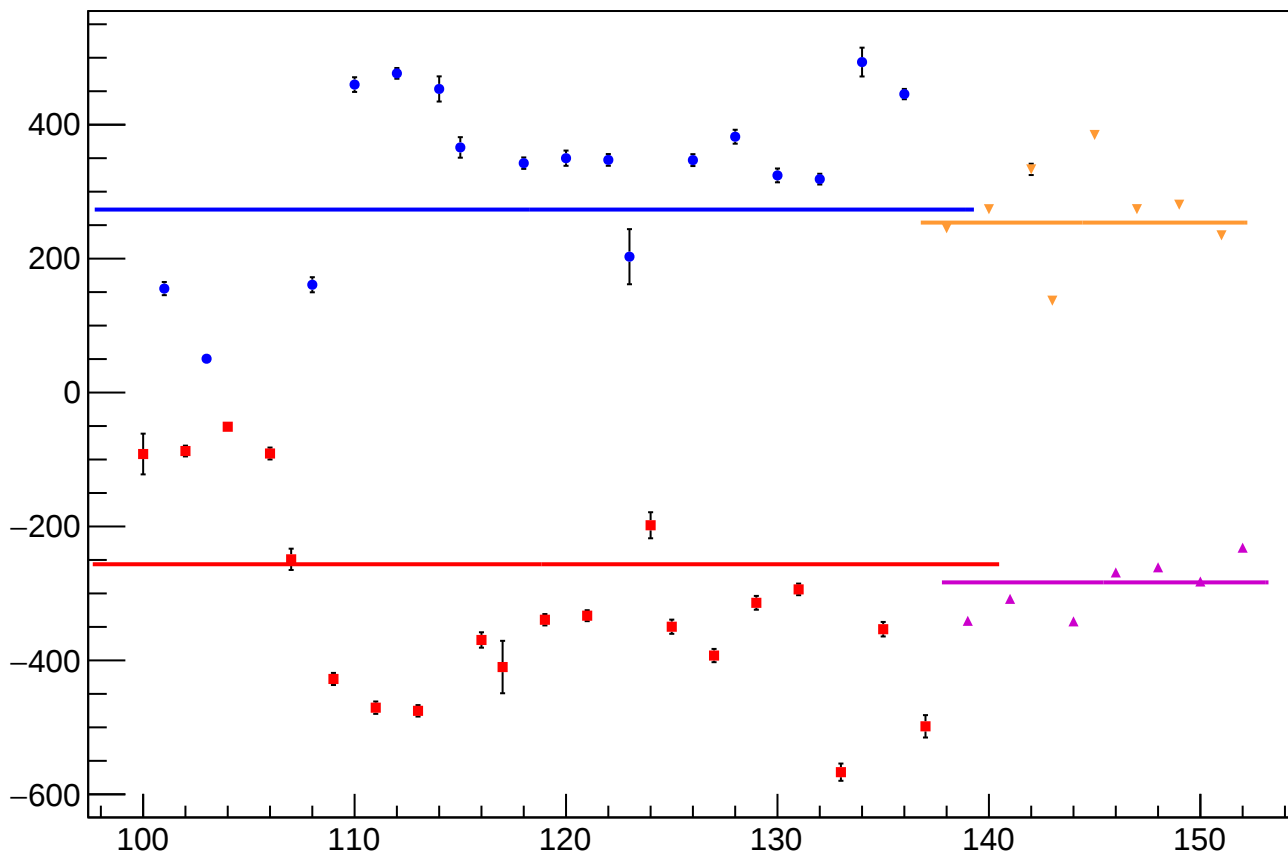
Left In: -16.895 ± 1.240 $\chi^2/\text{NDF}: 66.6/6$

8.424 ± 0.833 $\chi^2/\text{NDF}: 424.4/24$

-0.764 ± 0.593 $\chi^2/\text{NDF}: 1018.1/51$

-10.236 ± 0.845 $\chi^2/\text{NDF}: 346.4/26$

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

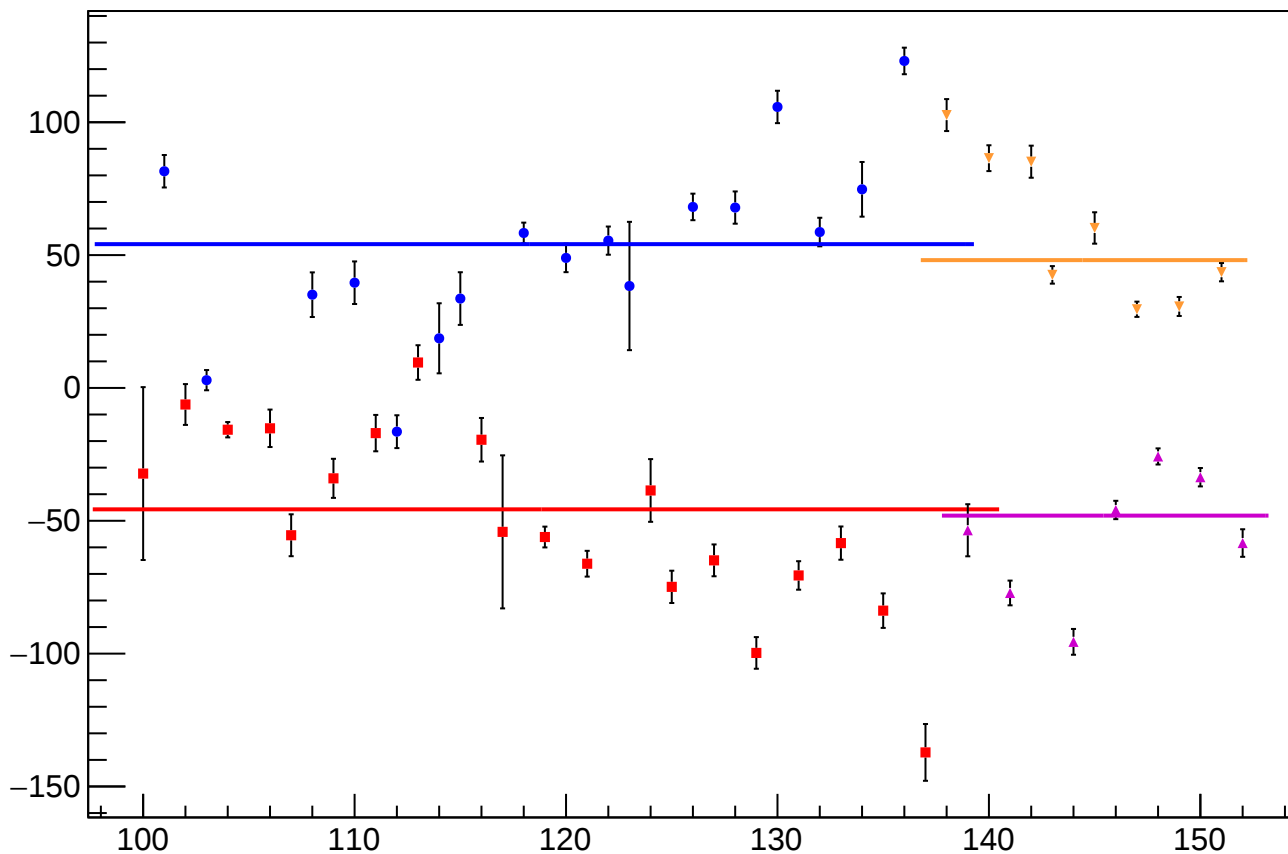
Left In: -283.507 $\pm$ 1.888 χ^2/NDF :320.6/6

261.427 $\pm$ 1.379 χ^2/NDF : 6494.2/24

-1.325 $\pm$ 0.981 χ^2/NDF : 87011.6/51

-271.246 $\pm$ 1.397 χ^2/NDF : 6867.6/26

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 54.119+/-1.438 χ^2/NDF : 633.9/16

Left Out: 48.105+/-1.412 χ^2/NDF : 256.3/7

Right Out: -45.694+/-1.356 χ^2/NDF : 531.1/19

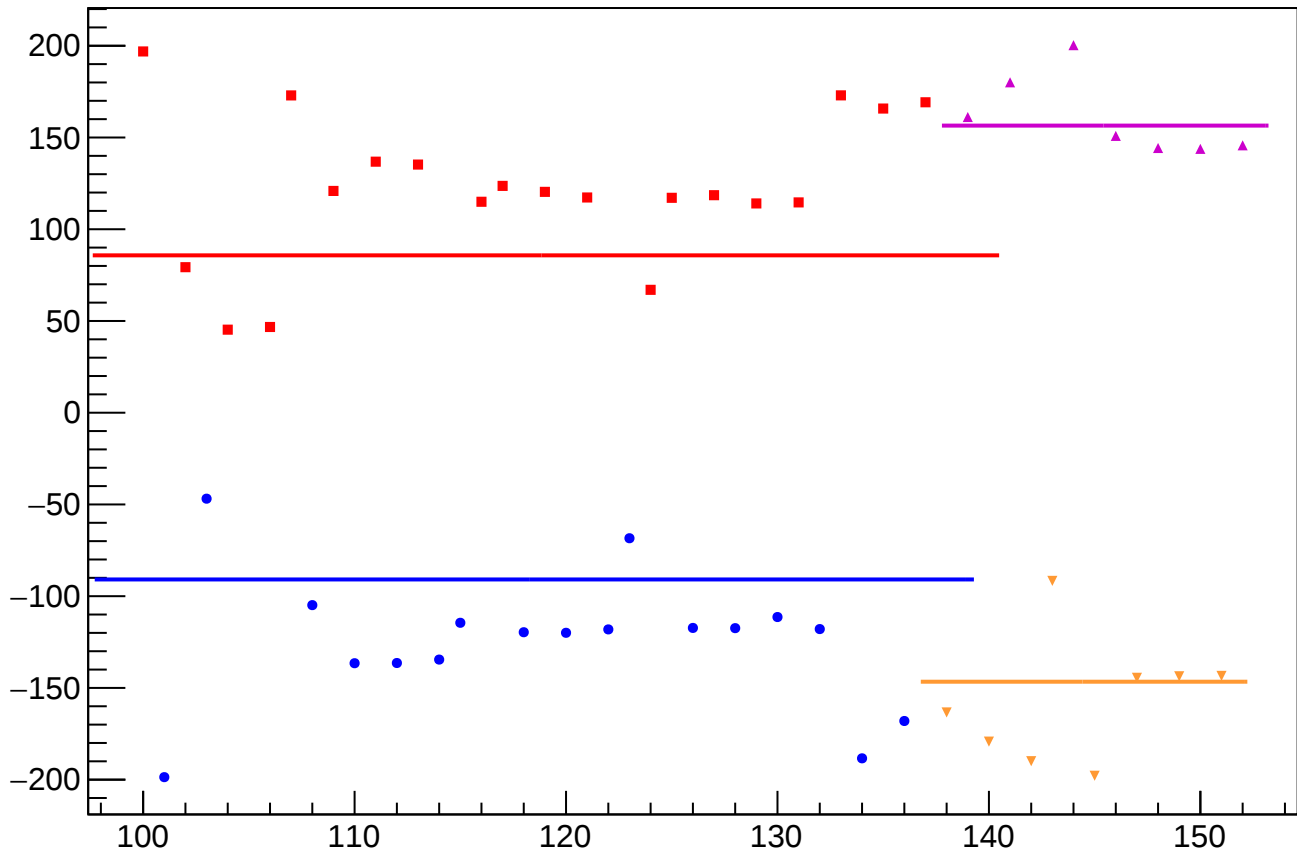
Left In: -48.057+/-1.558 χ^2/NDF : 210.7/6

51.059+/-1.008 χ^2/NDF : 899.1/24

2.902+/-0.718 χ^2/NDF : 6280.0/51

-46.712+/-1.023 χ^2/NDF : 743.1/26

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 $\chi^2/\text{NDF}: 494629.5/19$

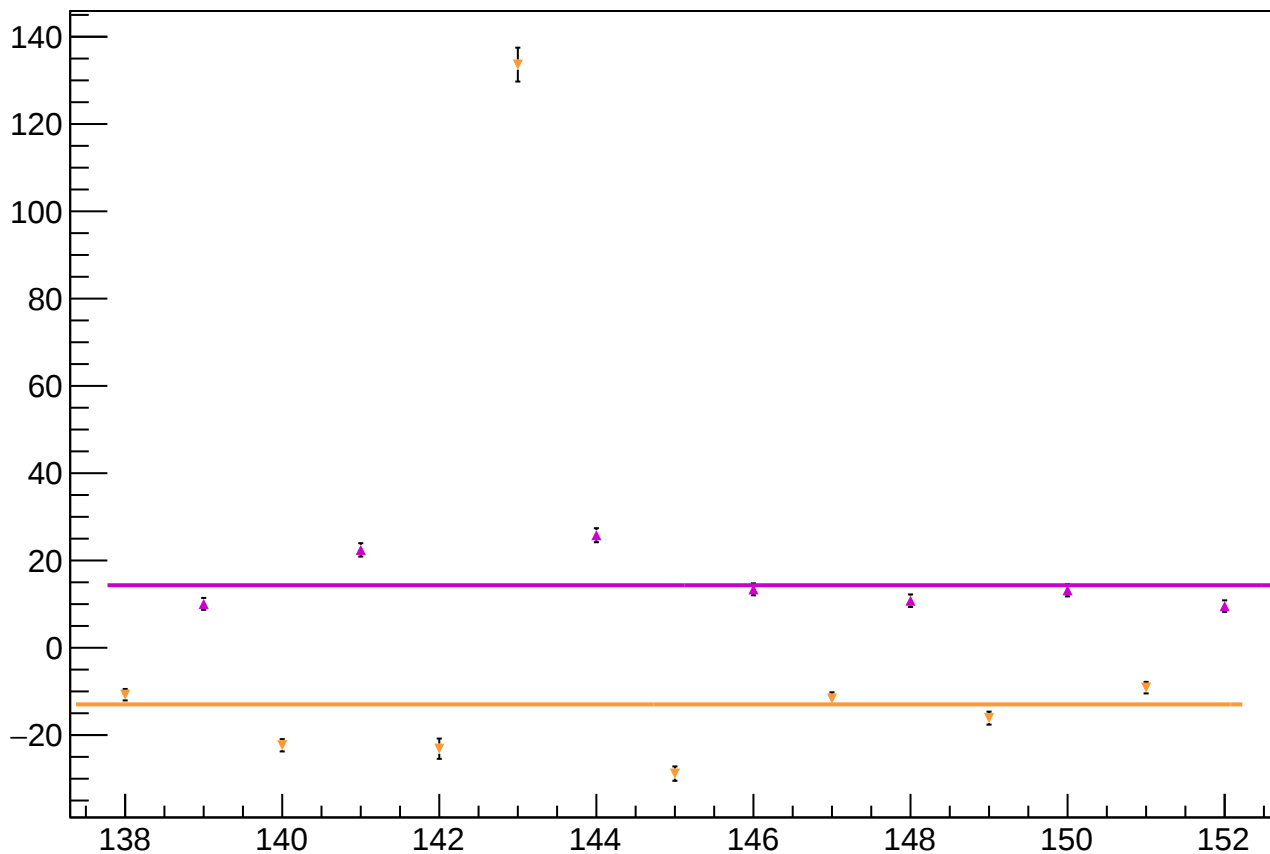
Left In: 156.488 ± 0.079 $\chi^2/\text{NDF}: 50021.0/6$

-115.870 ± 0.050 $\chi^2/\text{NDF}: 1023284.7/24$

-0.485 ± 0.036 $\chi^2/\text{NDF}: 12535243.3/51$

114.339 ± 0.050 $\chi^2/\text{NDF}: 1022459.4/26$

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

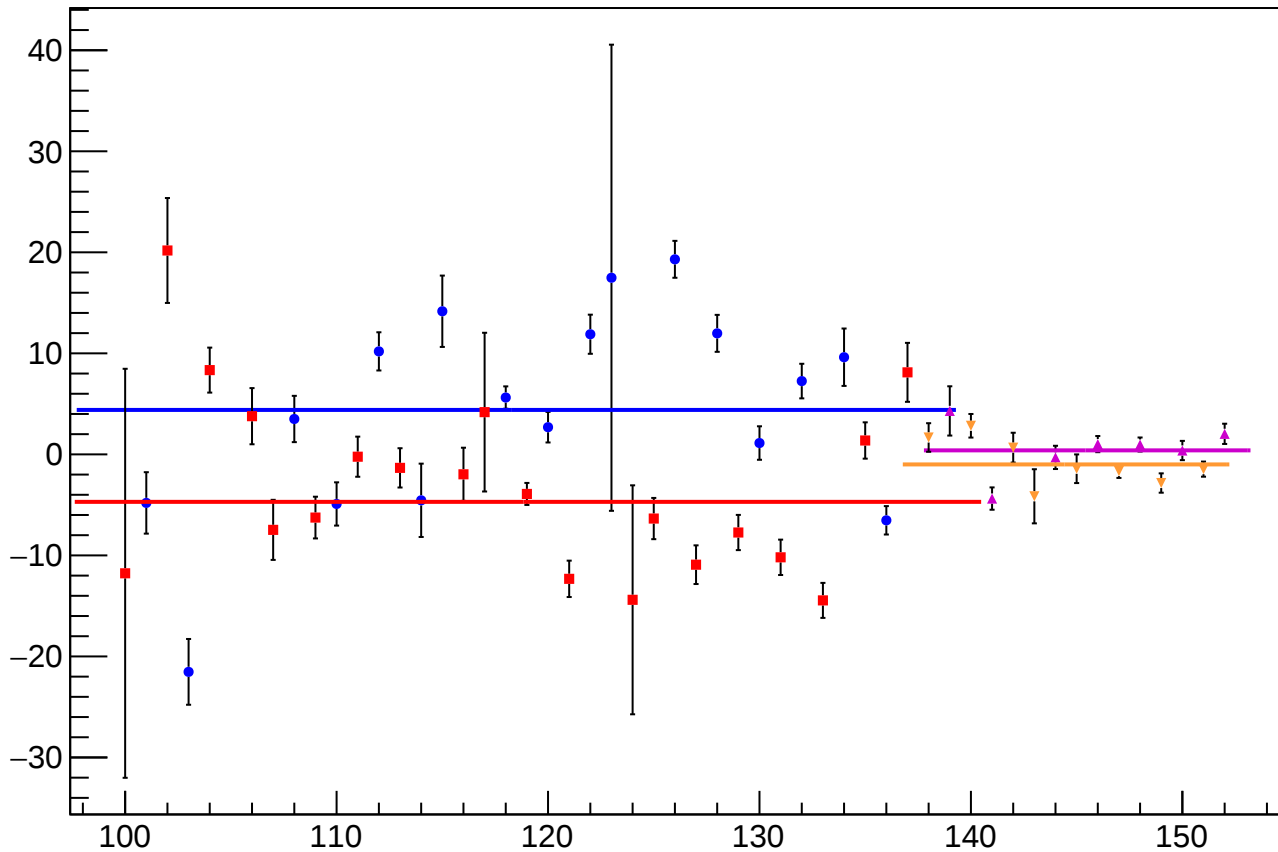
Left In: 14.329+/-0.539 χ^2/NDF :108.6/6

-12.969+/-0.558 χ^2/NDF : 1598.9/7

1.157+/-0.387 χ^2/NDF : 2946.7/14

14.329+/-0.539 χ^2/NDF : 108.6/6

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

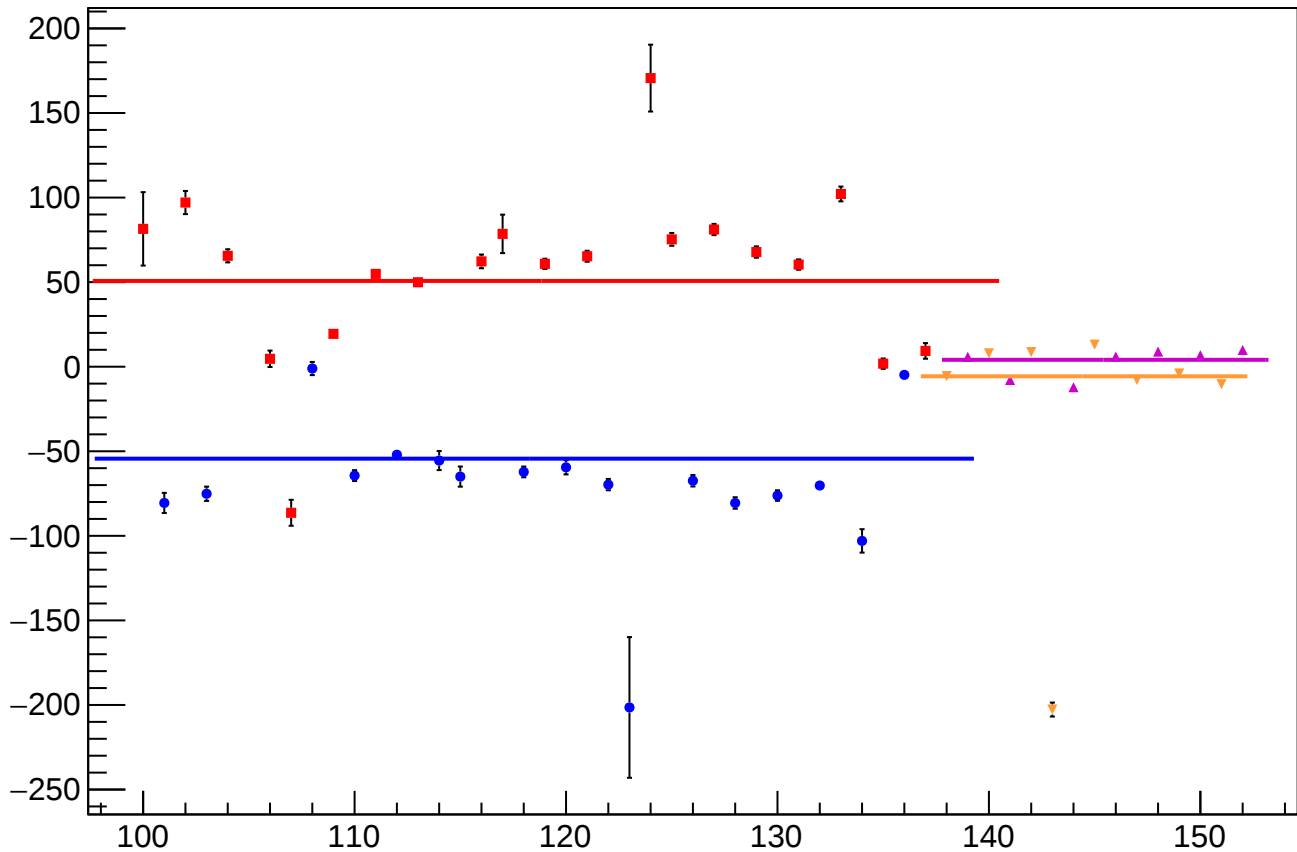
Left In: 0.397 ± 0.366 χ^2/NDF : 25.5/6

1.054 ± 0.290 χ^2/NDF : 390.2/24

-0.236 ± 0.205 χ^2/NDF : 712.0/51

-1.515 ± 0.289 χ^2/NDF : 282.5/26

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

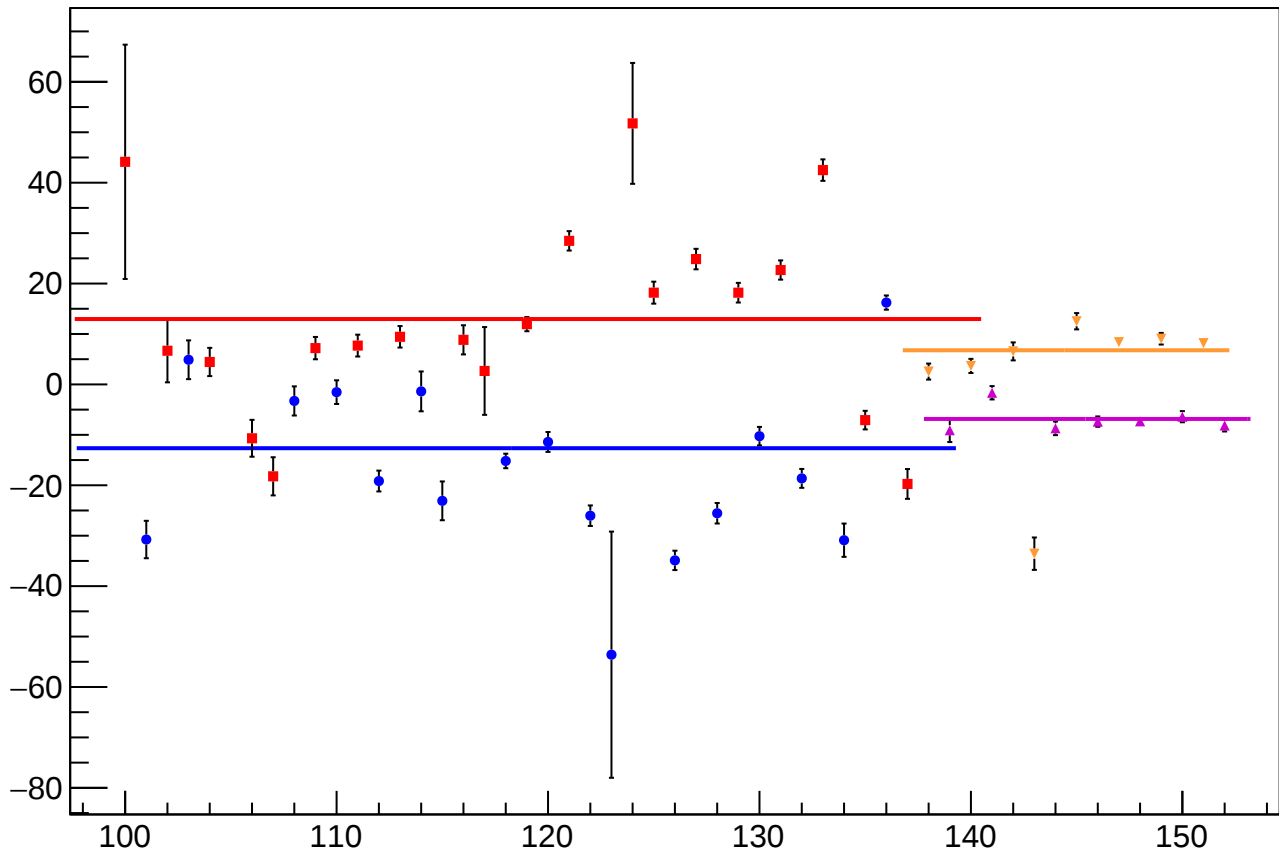
Left In: 4.069+/-0.534 χ^2/NDF : 184.1/6

-19.968+/-0.470 χ^2/NDF : 5748.8/24

-0.705+/-0.326 χ^2/NDF : 12633.2/51

17.150+/-0.453 χ^2/NDF : 3652.5/26

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

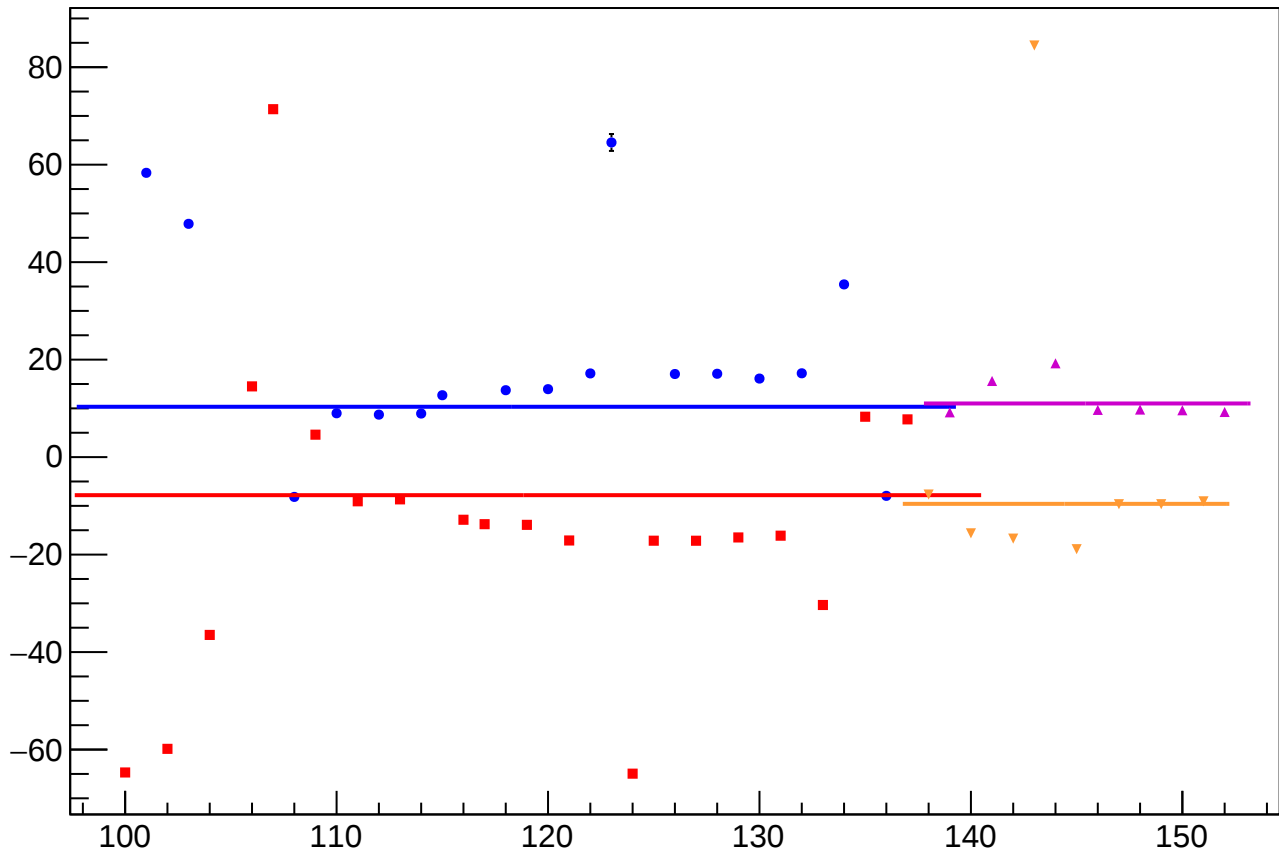
Left In: -6.848 ± 0.455 χ^2/NDF : 20.0/6

-1.549 ± 0.351 χ^2/NDF : 1729.3/24

-0.038 ± 0.247 χ^2/NDF : 3302.3/51

1.437 ± 0.347 χ^2/NDF : 1536.4/26

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.330+/-0.031 χ^2/NDF : 380857.1/16

Left Out: -9.589+/-0.024 χ^2/NDF : 354426.8/7

Right Out: -7.808+/-0.031 χ^2/NDF : 544249.7/19

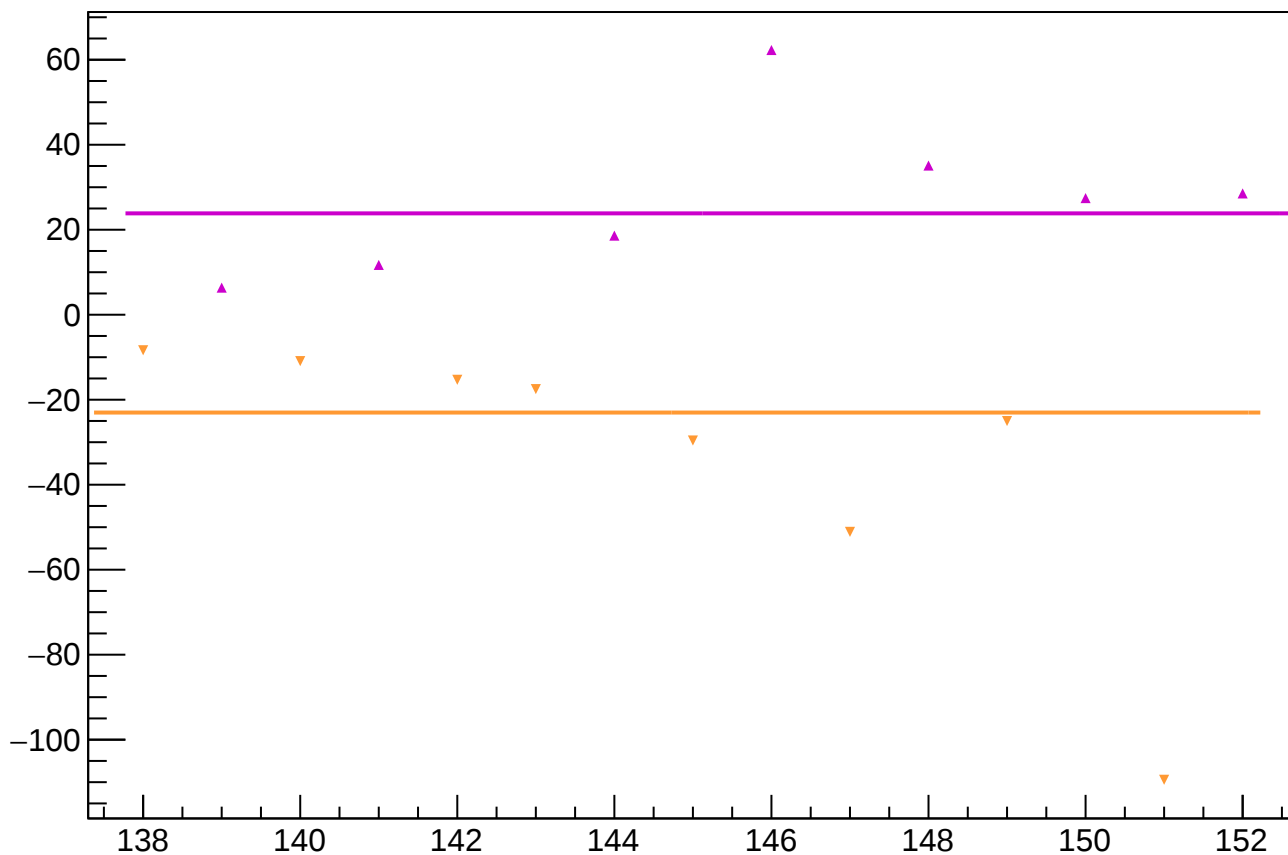
Left In: 11.005+/-0.022 χ^2/NDF : 20868.9/6

-2.146+/-0.019 χ^2/NDF : 999378.7/24

1.444+/-0.013 χ^2/NDF : 1877056.0/51

4.757+/-0.018 χ^2/NDF : 807179.4/26

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -23.020 $\pm$ 0.101 χ^2 /NDF: 48904.9/7

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

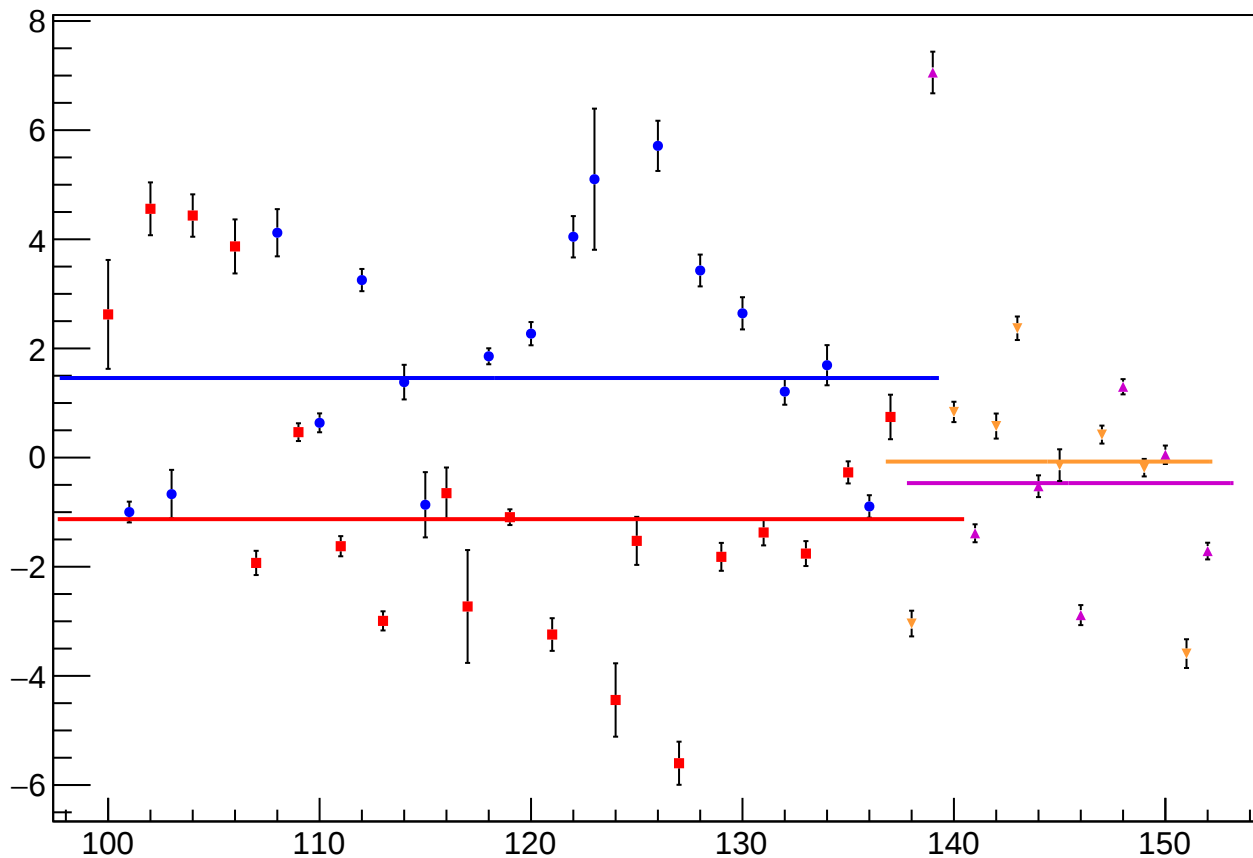
Left In: 23.851 $\pm$ 0.094 χ^2 /NDF: 27101.0/6

-23.020 $\pm$ 0.101 χ^2 /NDF: 48904.9/7

1.869 $\pm$ 0.069 χ^2 /NDF: 191494.8/14

23.851 $\pm$ 0.094 χ^2 /NDF: 27101.0/6

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.458 ± 0.062 $\chi^2/\text{NDF}: 698.2/16$

Left Out: -0.073 ± 0.073 $\chi^2/\text{NDF}: 507.4/7$

Right Out: -1.128 ± 0.058 $\chi^2/\text{NDF}: 949.8/19$

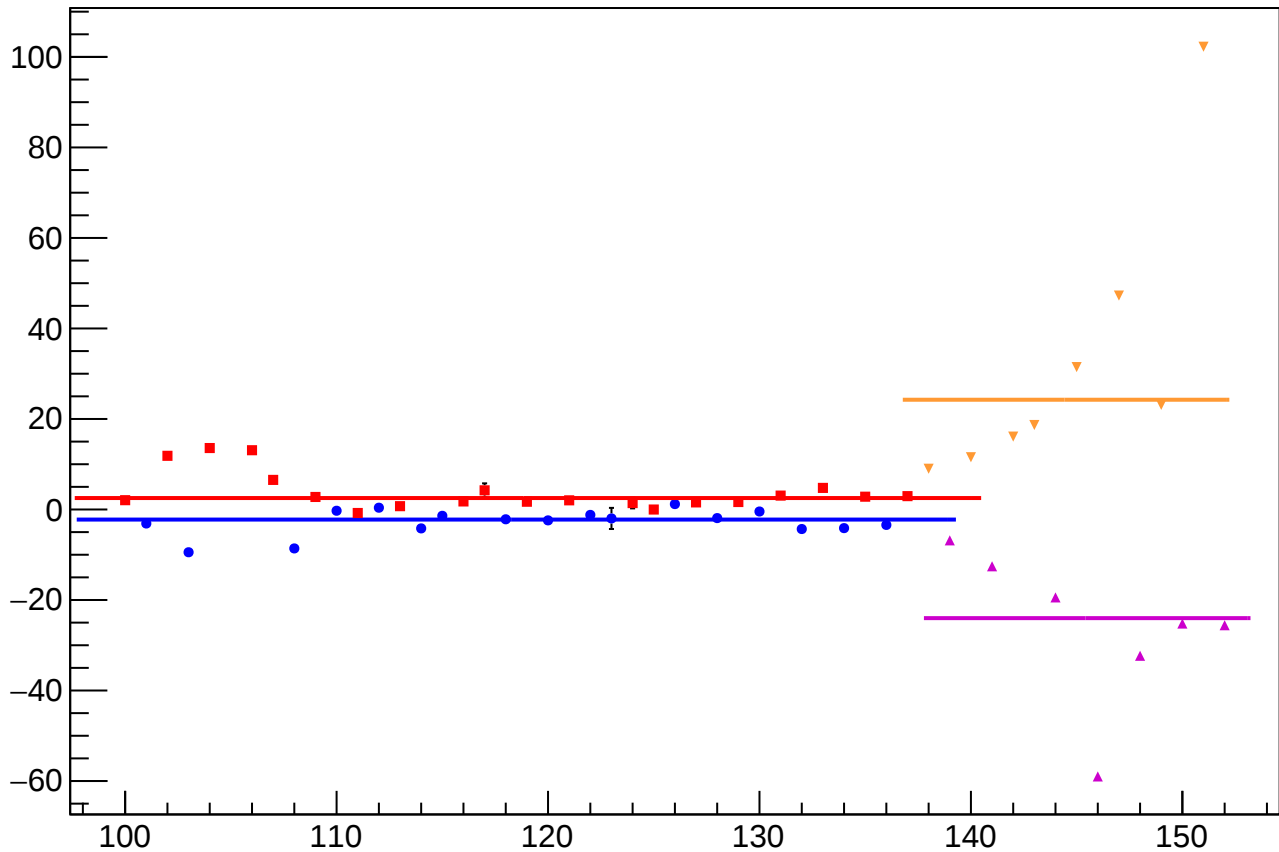
Left In: -0.468 ± 0.066 $\chi^2/\text{NDF}: 829.3/6$

0.814 ± 0.047 $\chi^2/\text{NDF}: 1462.8/24$

-0.077 ± 0.032 $\chi^2/\text{NDF}: 3961.9/51$

-0.842 ± 0.044 $\chi^2/\text{NDF}: 1835.3/26$

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

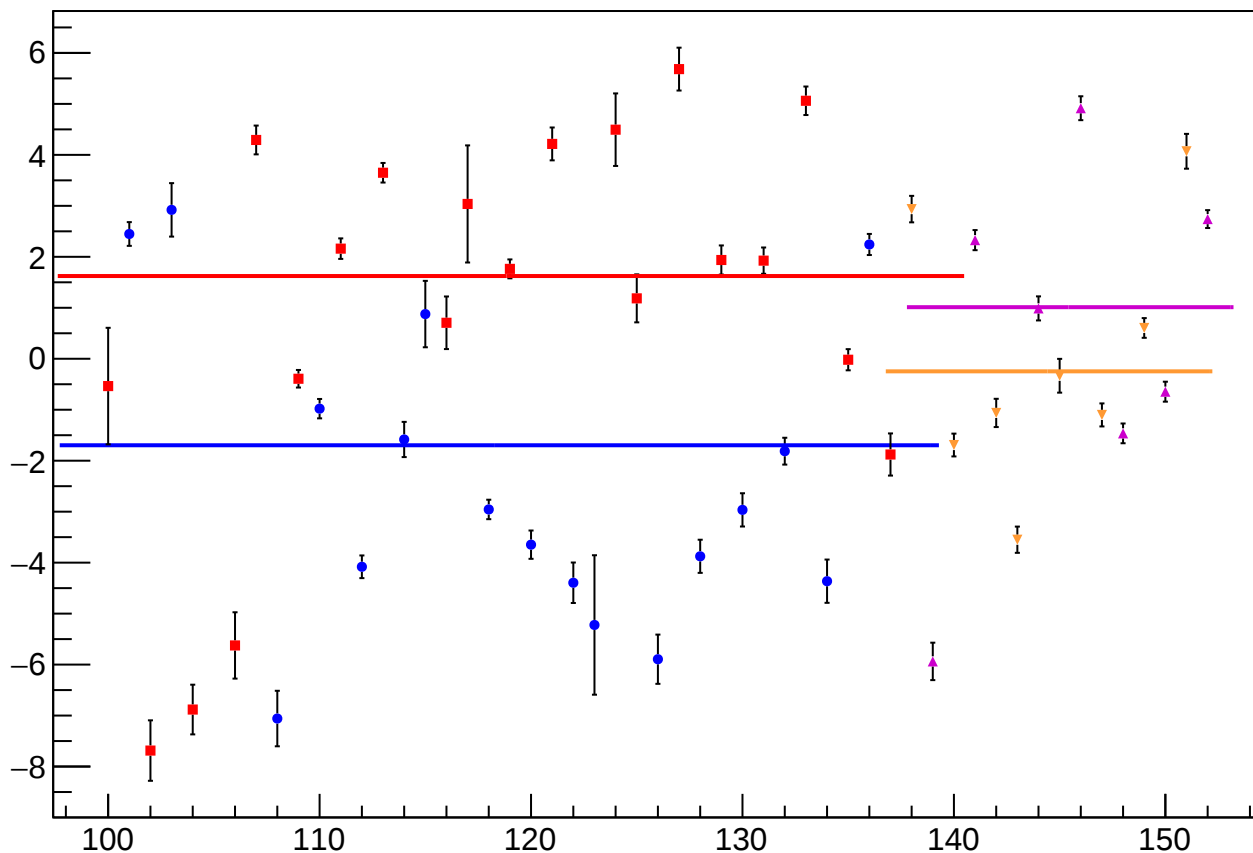
Left In: -24.008 ± 0.094 χ^2/NDF : 22653.4/6

12.007 ± 0.076 χ^2/NDF : 74377.7/24

-0.908 ± 0.051 χ^2/NDF : 188526.6/51

-11.381 ± 0.068 χ^2/NDF : 61387.3/26

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

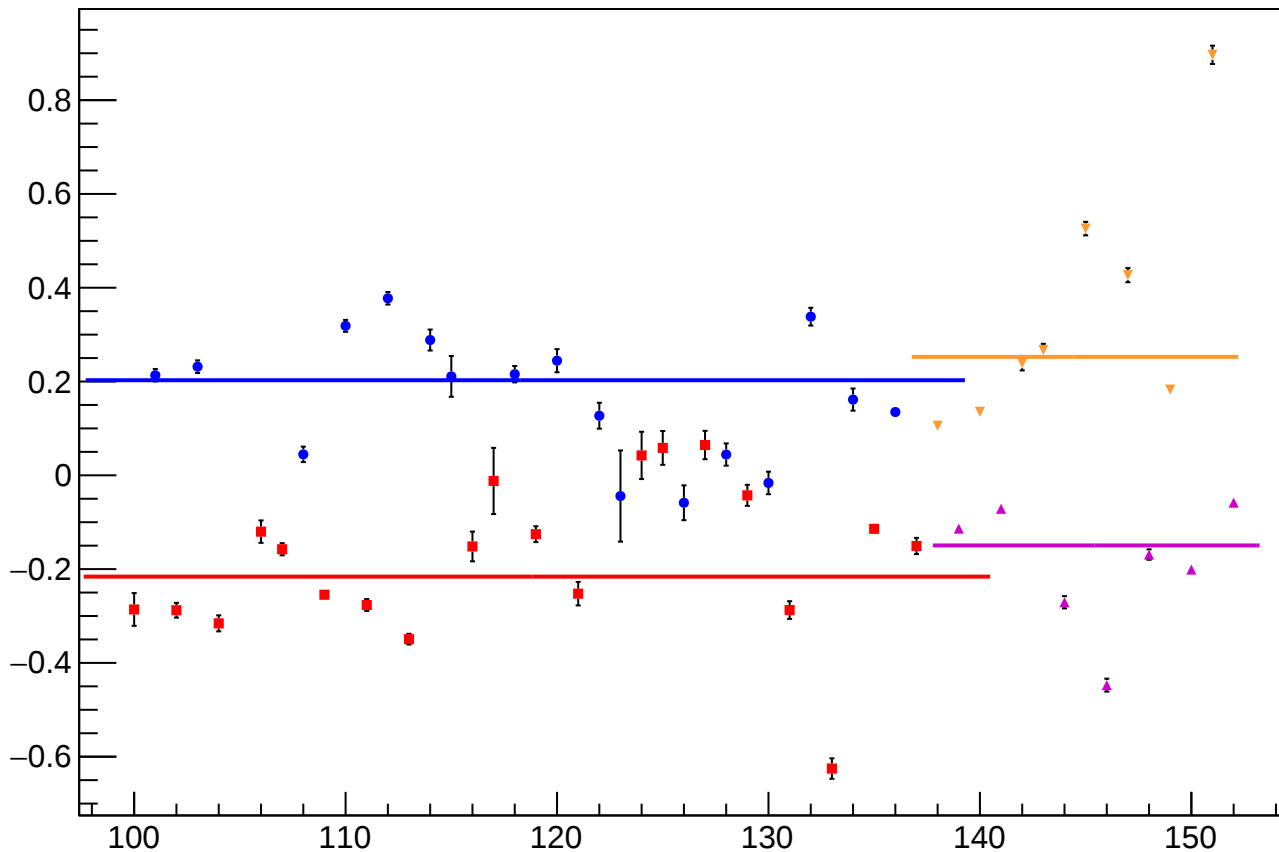
Left In: 1.012 ± 0.080 χ^2/NDF : 1012.0/6

-1.130 ± 0.055 χ^2/NDF : 2040.7/24

0.234 ± 0.037 χ^2/NDF : 5690.2/51

1.379 ± 0.051 χ^2/NDF : 2537.4/26

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

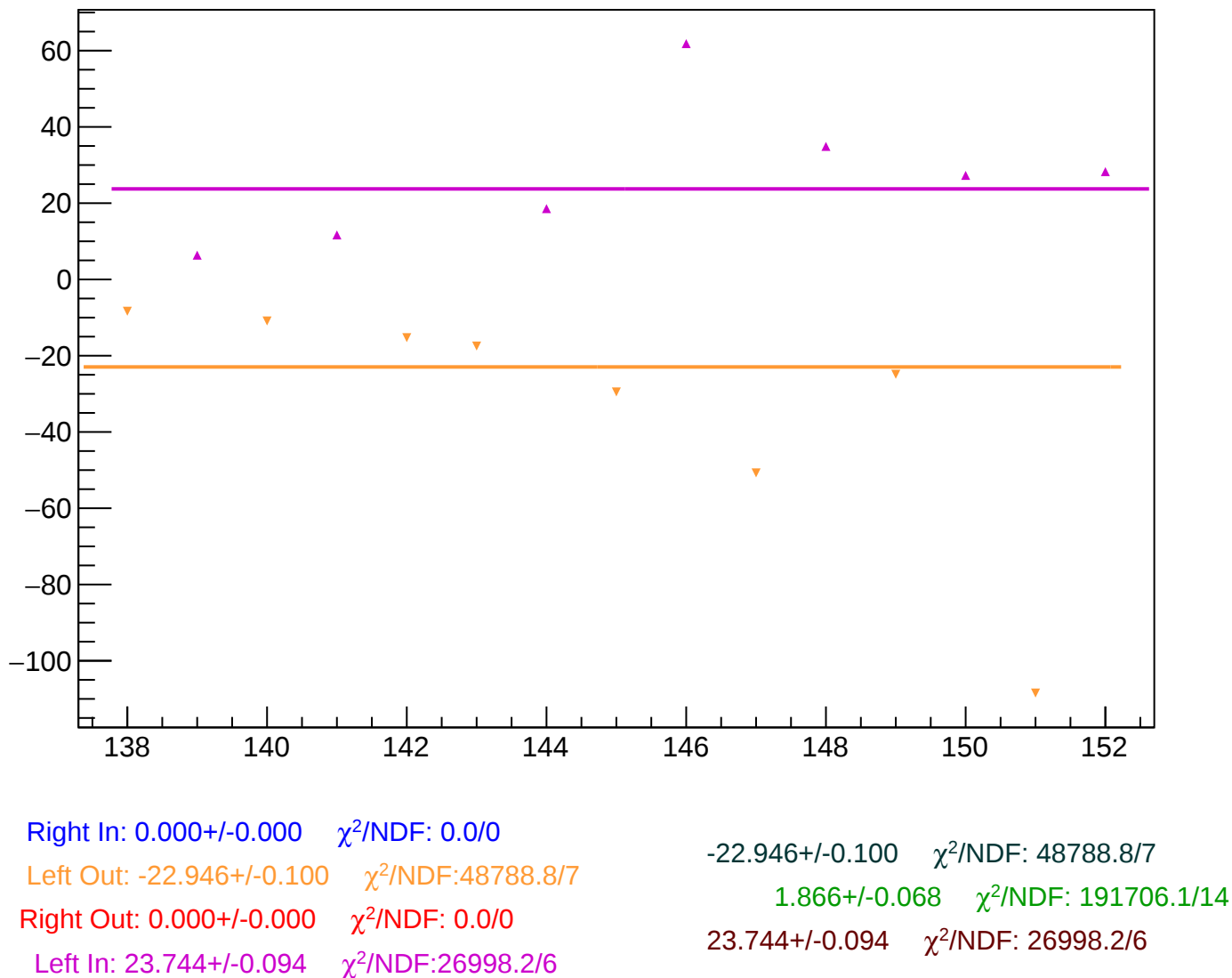
Left In: -0.150 ± 0.004 χ^2/NDF : 809.5/6

0.227 ± 0.003 χ^2/NDF : 2801.3/24

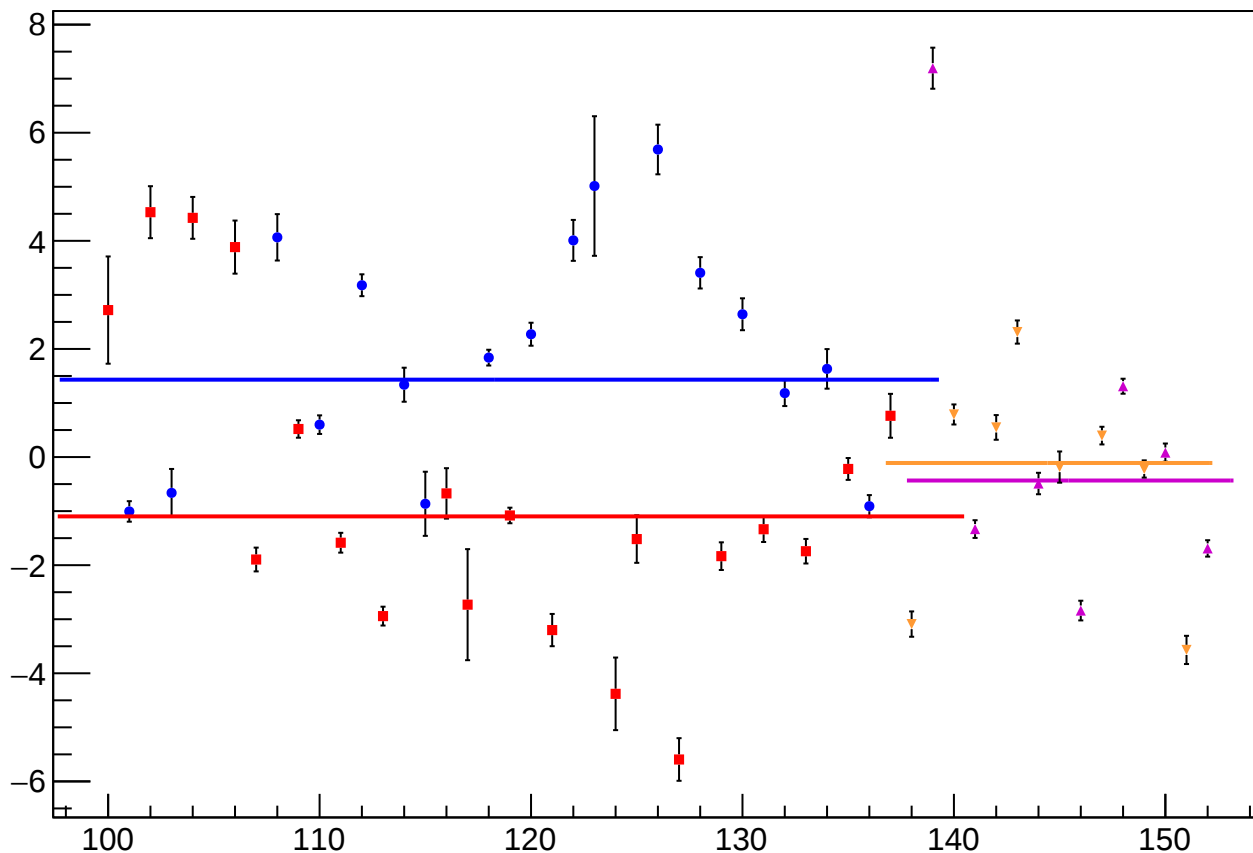
-0.004 ± 0.002 χ^2/NDF : 15525.4/51

-0.183 ± 0.003 χ^2/NDF : 2043.8/26

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

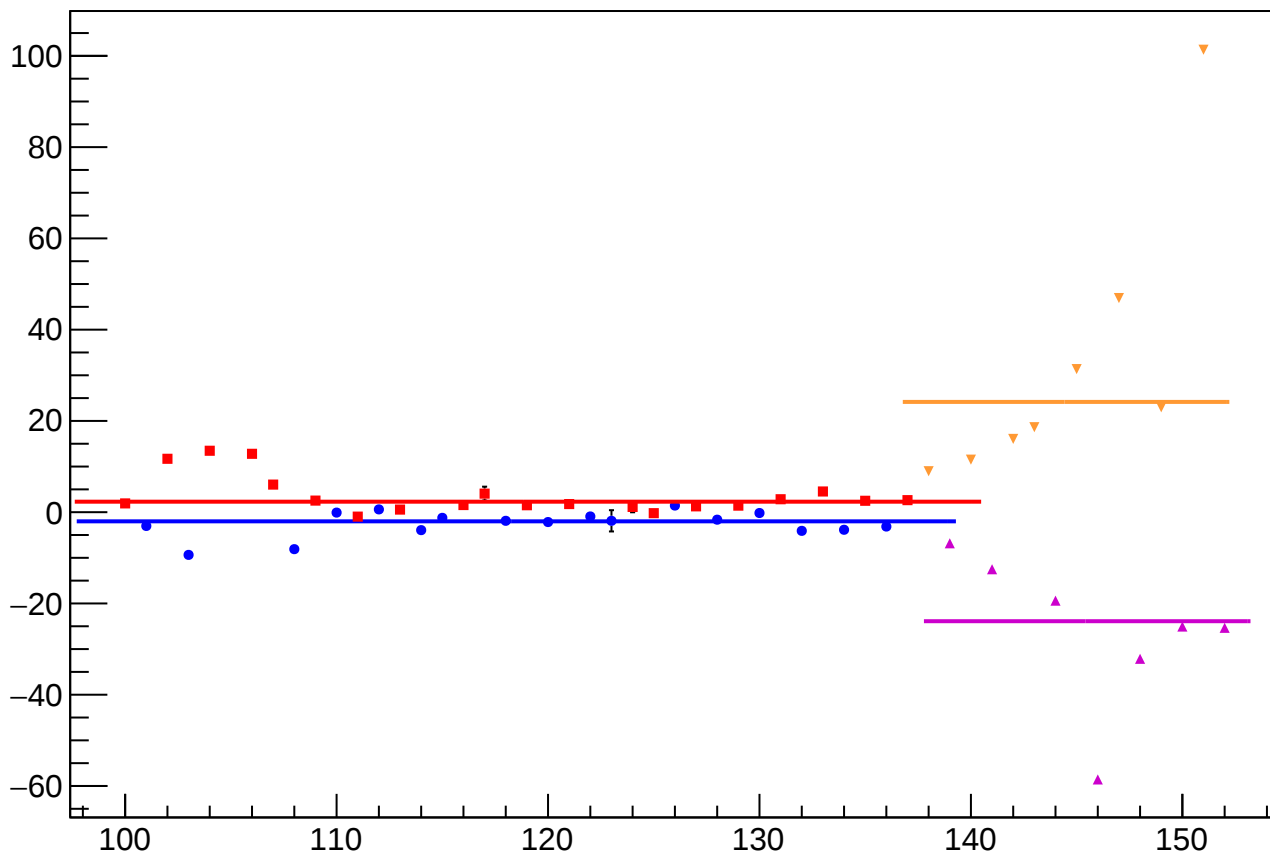
Left In: -0.434 ± 0.066 χ^2/NDF : 843.9/6

0.782 ± 0.047 χ^2/NDF : 1466.6/24

-0.075 ± 0.032 χ^2/NDF : 3943.4/51

-0.809 ± 0.043 χ^2/NDF : 1857.1/26

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

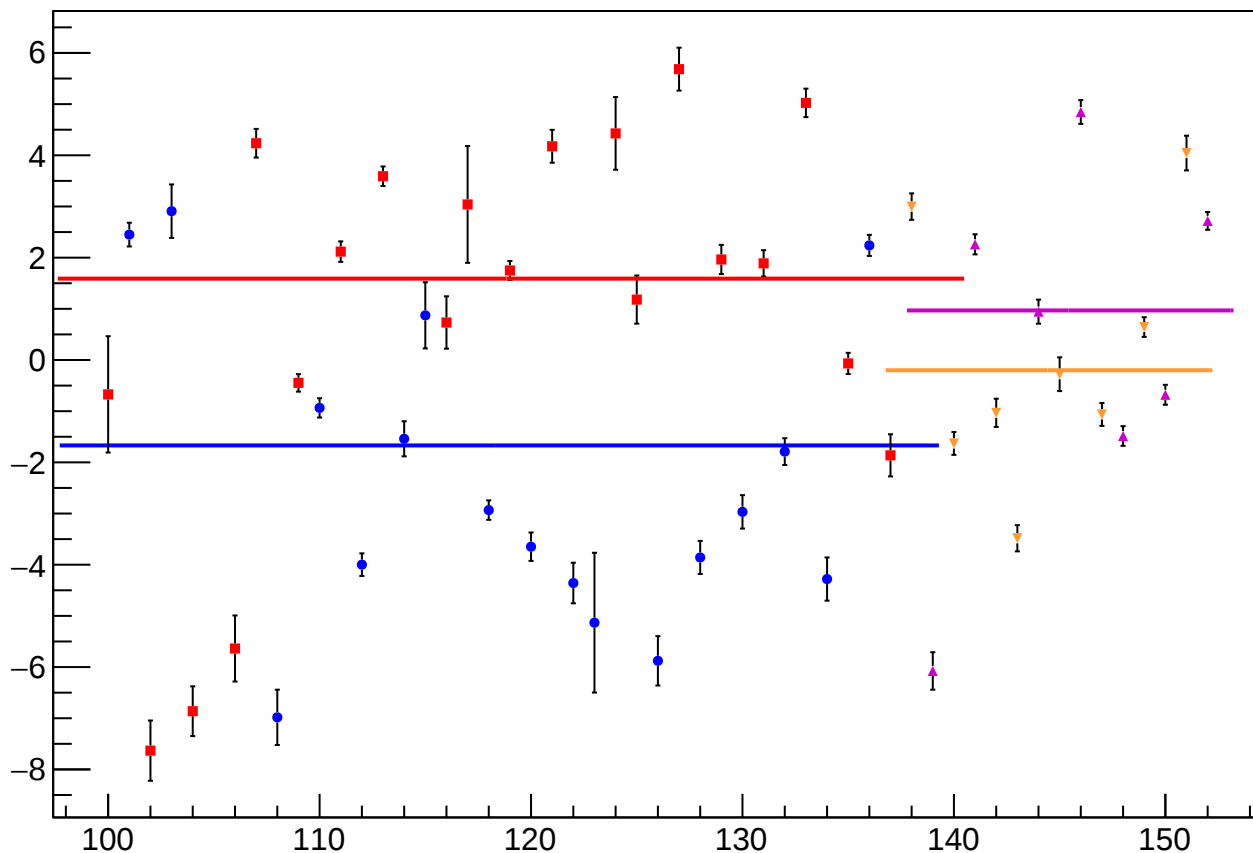
Left In: -23.891+/-0.094 χ^2/NDF :22568.1/6

12.072+/-0.075 χ^2/NDF : 73873.6/24

-0.919+/-0.050 χ^2/NDF : 188564.0/51

-11.441+/-0.068 χ^2/NDF : 60766.4/26

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

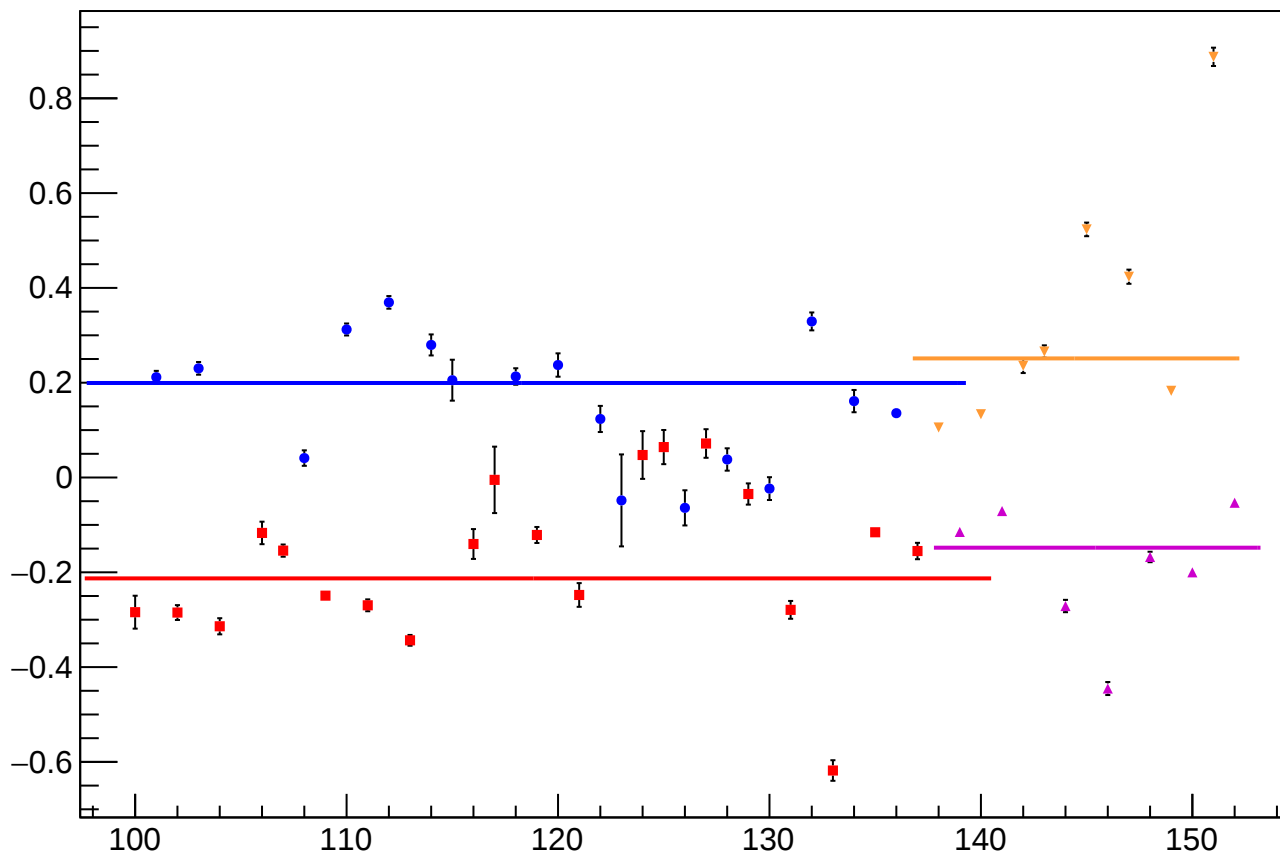
Left In: 0.969+/-0.080 χ^2/NDF : 1028.2/6

-1.094+/-0.055 χ^2/NDF : 2042.3/24

0.231+/-0.037 χ^2/NDF : 5661.7/51

1.342+/-0.051 χ^2/NDF : 2560.8/26

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: 0.225+/-0.003 χ^2/NDF : 2784.7/24

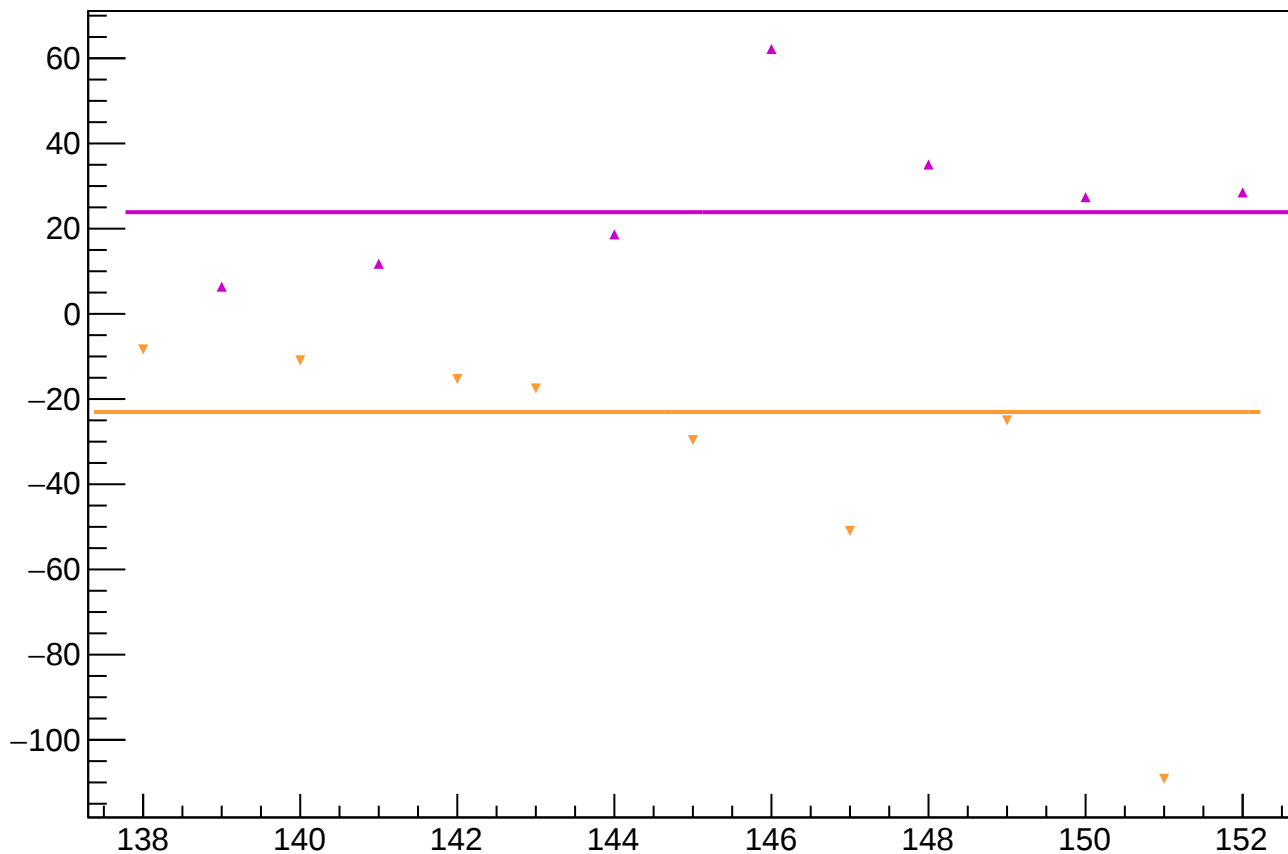
Right Out: -0.213+/-0.004 χ^2/NDF : 1057.0/19

Left In: -0.181+/-0.003 χ^2/NDF : 2041.6/26

0.225+/-0.003 χ^2/NDF : 2784.7/24

-0.004+/-0.002 χ^2/NDF : 15375.3/51

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

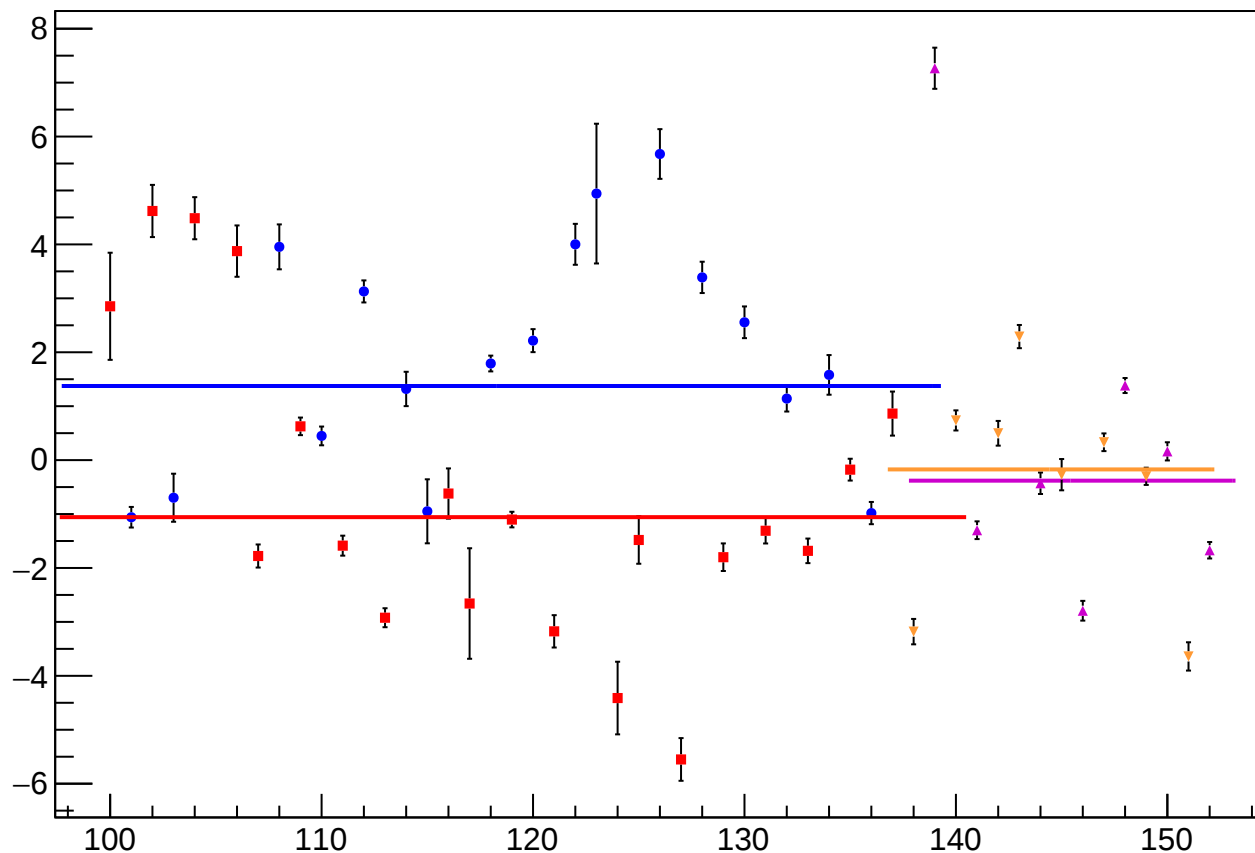
Left In: 23.871+/-0.094 χ^2/NDF : 27052.7/6

-23.045+/-0.100 χ^2/NDF : 48889.5/7

1.882+/-0.069 χ^2/NDF : 191963.2/14

23.871+/-0.094 χ^2/NDF : 27052.7/6

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.375 ± 0.062 $\chi^2/\text{NDF}: 702.4/16$

Left Out: -0.172 ± 0.073 $\chi^2/\text{NDF}: 511.2/7$

Right Out: -1.058 ± 0.058 $\chi^2/\text{NDF}: 966.5/19$

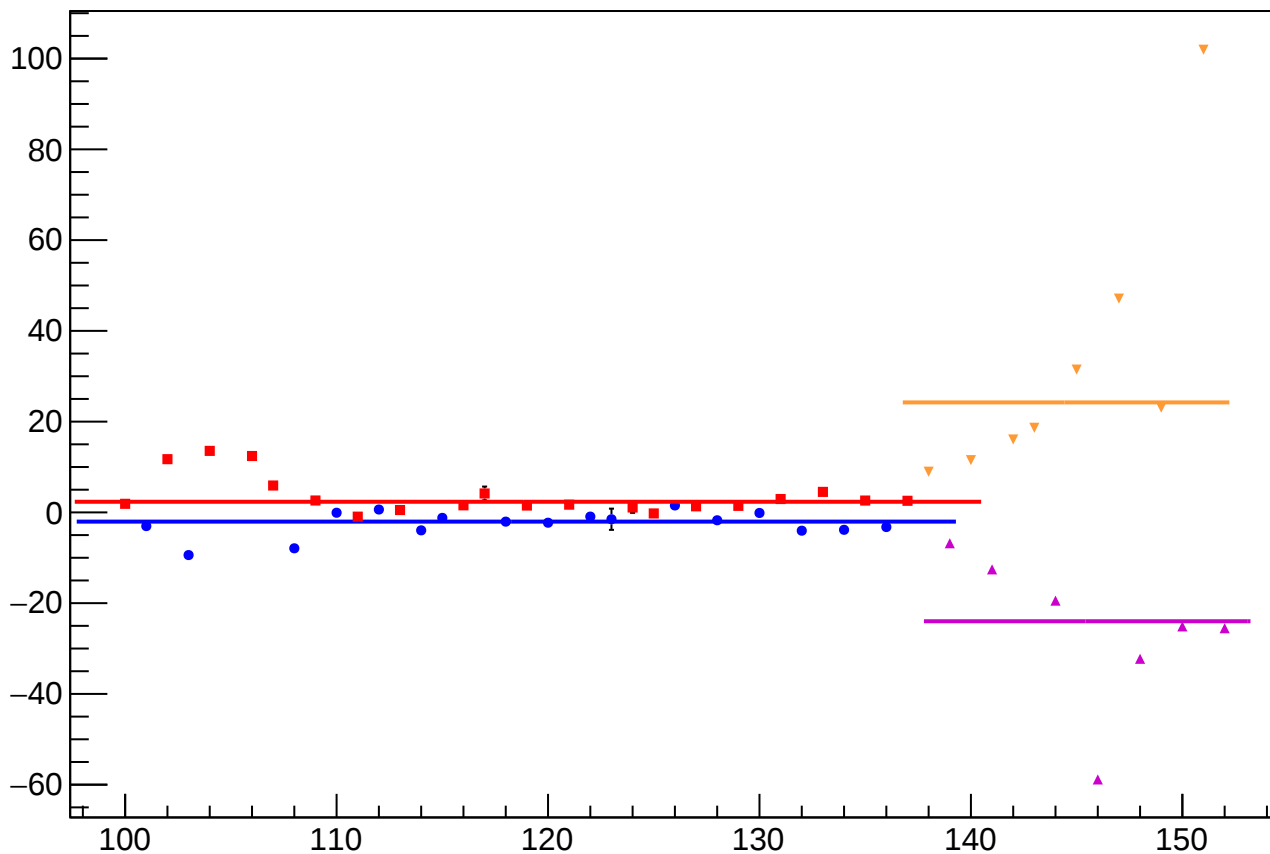
Left In: -0.381 ± 0.066 $\chi^2/\text{NDF}: 849.0/6$

0.722 ± 0.047 $\chi^2/\text{NDF}: 1476.7/24$

-0.079 ± 0.032 $\chi^2/\text{NDF}: 3888.0/51$

-0.764 ± 0.044 $\chi^2/\text{NDF}: 1874.7/26$

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.031 ± 0.111 χ^2/NDF : 463.2/16

Left Out: 24.236 ± 0.103 χ^2/NDF : 43454.9/7

Right Out: 2.344 ± 0.099 χ^2/NDF : 903.4/19

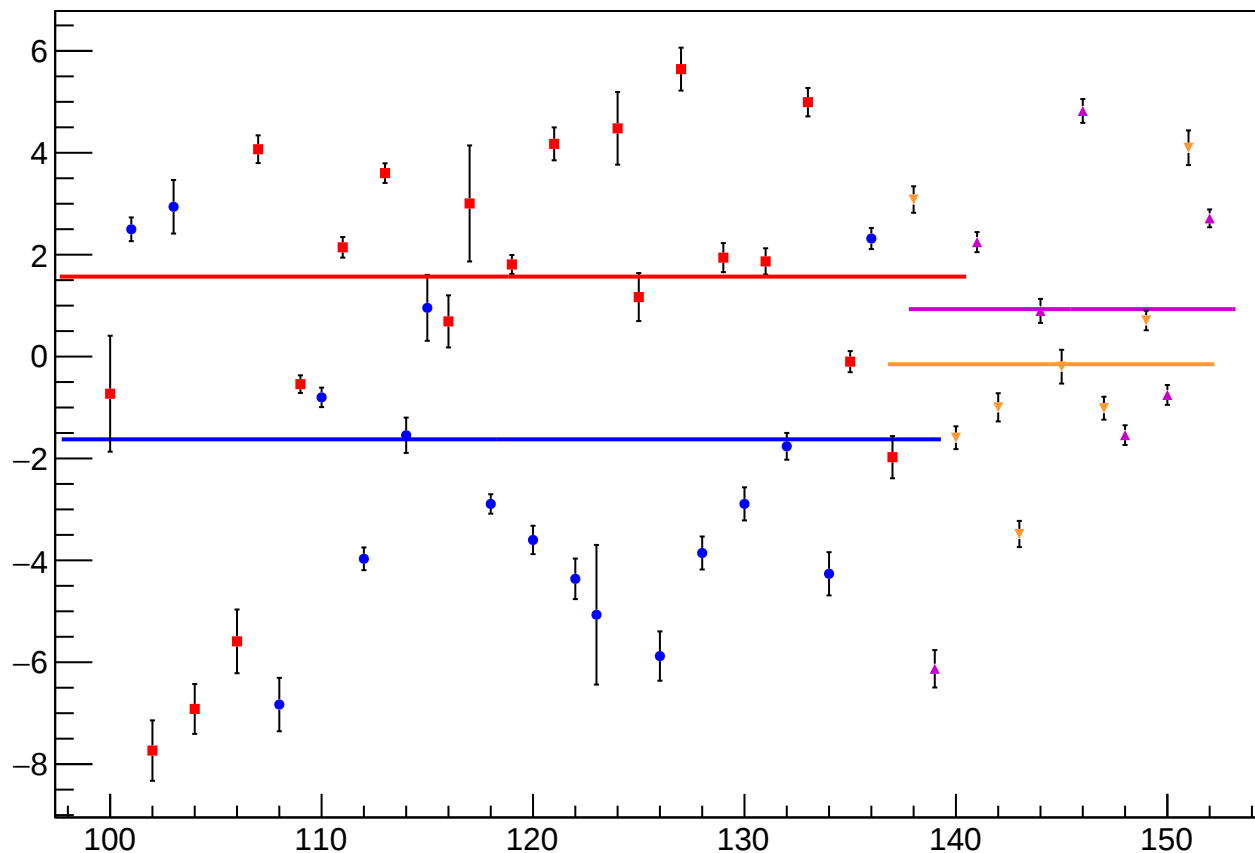
Left In: -23.987 ± 0.094 χ^2/NDF : 22614.3/6

12.111 ± 0.076 χ^2/NDF : 73903.1/24

-0.921 ± 0.051 χ^2/NDF : 188502.1/51

-11.476 ± 0.068 χ^2/NDF : 60846.4/26

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

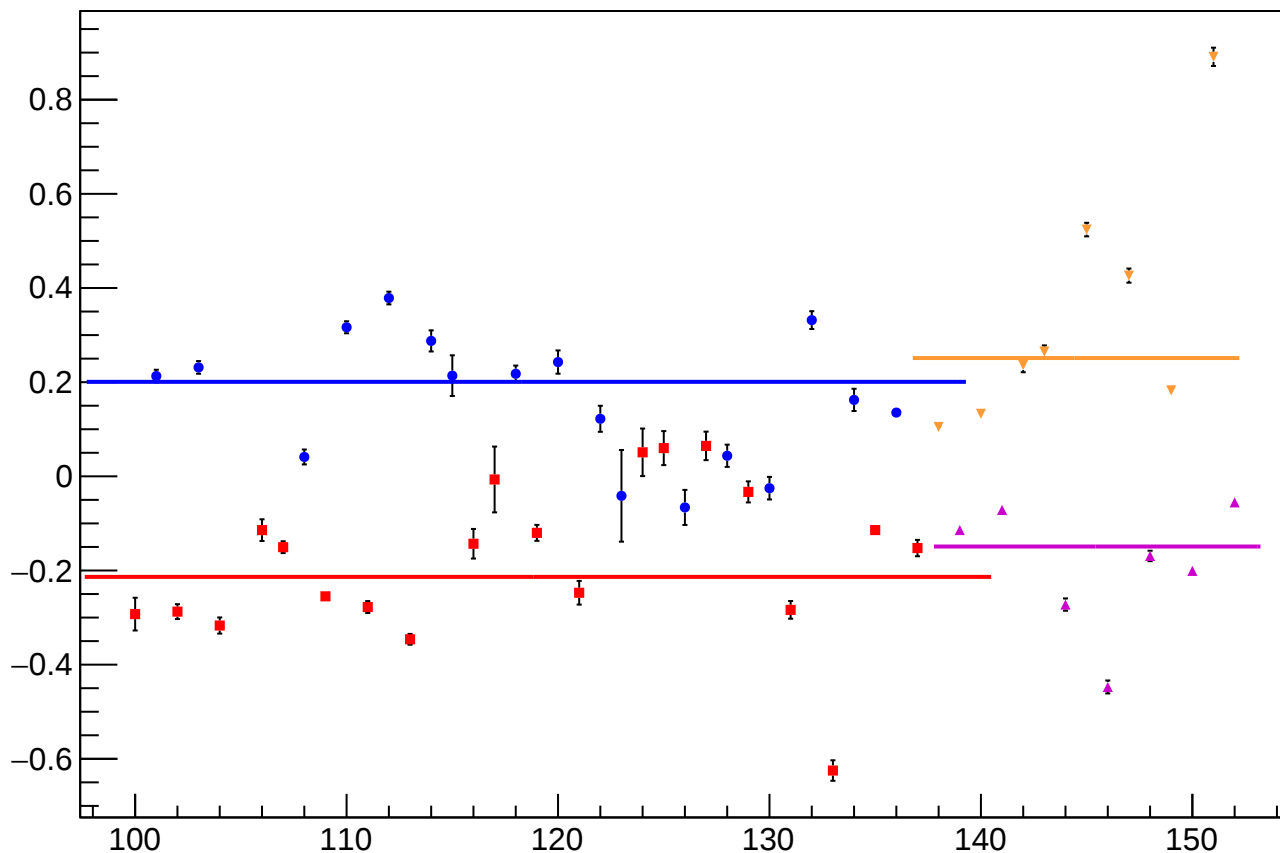
Left In: 0.931 ± 0.080 χ^2/NDF : 1033.3/6

-1.047 ± 0.055 χ^2/NDF : 2053.1/24

0.238 ± 0.037 χ^2/NDF : 5619.0/51

1.315 ± 0.051 χ^2/NDF : 2578.6/26

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 ± 0.004 χ^2/NDF : 690.6/16

Left Out: 0.251 ± 0.004 χ^2/NDF : 2047.6/7

Right Out: -0.214 ± 0.004 χ^2/NDF : 1089.2/19

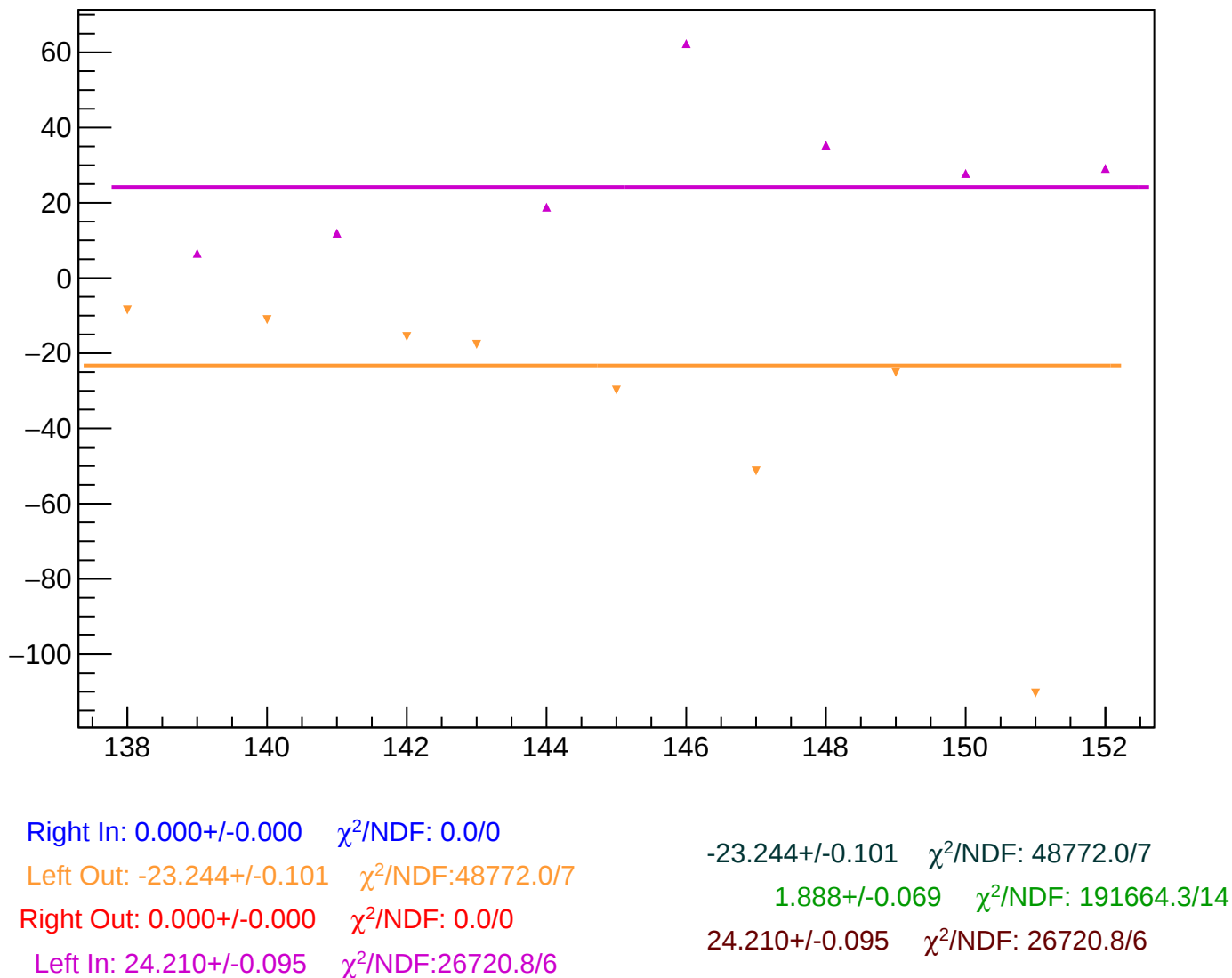
Left In: -0.149 ± 0.004 χ^2/NDF : 824.8/6

0.225 ± 0.003 χ^2/NDF : 2810.3/24

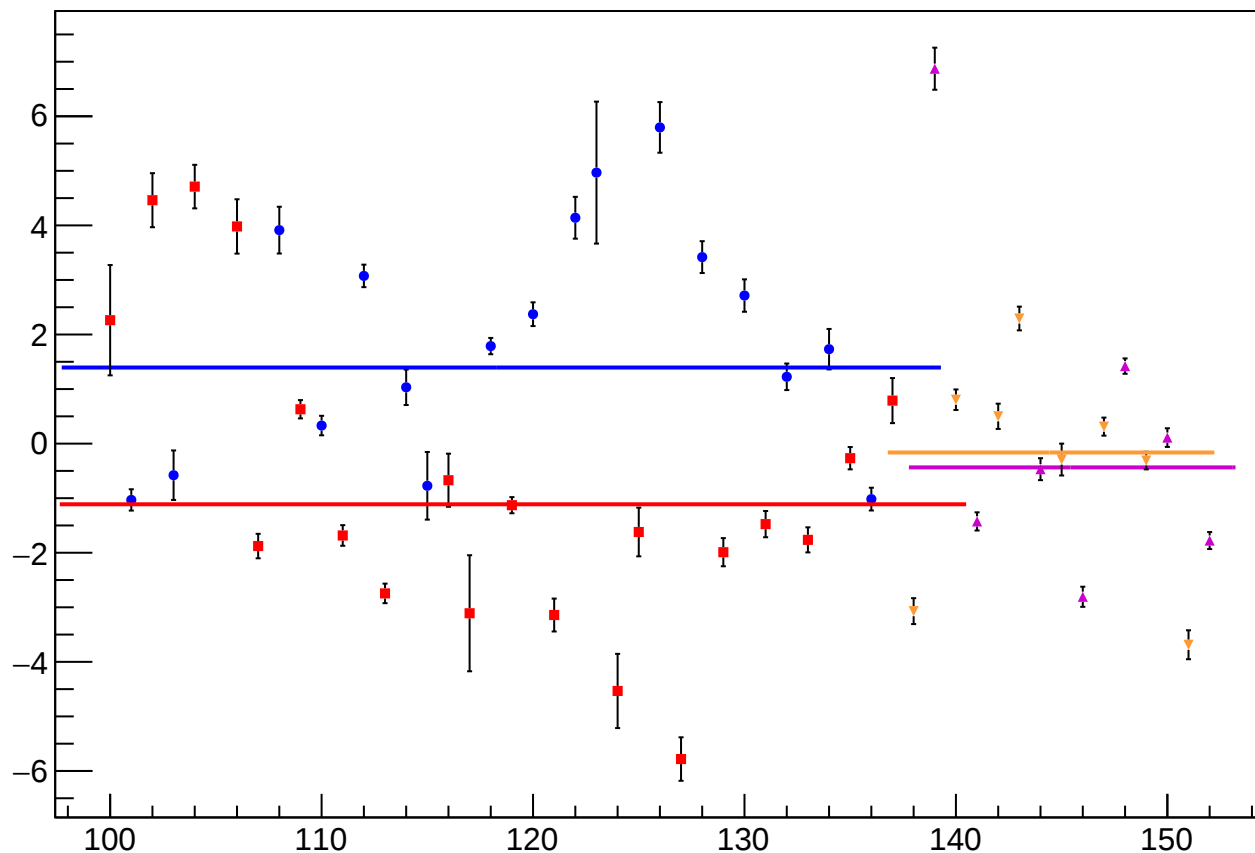
-0.005 ± 0.002 χ^2/NDF : 15434.0/51

-0.181 ± 0.003 χ^2/NDF : 2066.7/26

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.395 ± 0.063 χ^2/NDF : 701.4/16

Left Out: -0.163 ± 0.073 χ^2/NDF : 497.8/7

Right Out: -1.112 ± 0.059 χ^2/NDF : 940.5/19

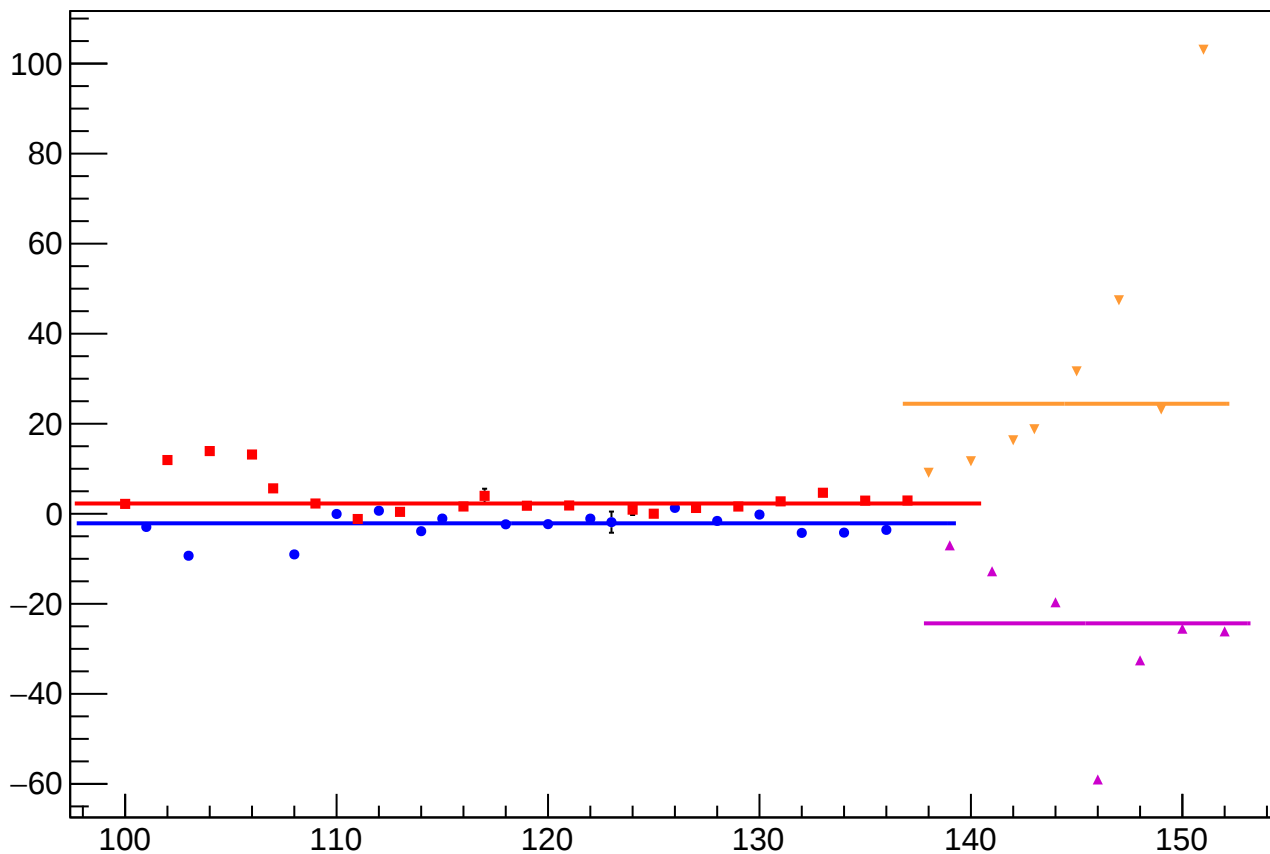
Left In: -0.436 ± 0.067 χ^2/NDF : 818.6/6

0.731 ± 0.048 χ^2/NDF : 1459.1/24

-0.100 ± 0.032 χ^2/NDF : 3838.9/51

-0.816 ± 0.044 χ^2/NDF : 1816.4/26

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

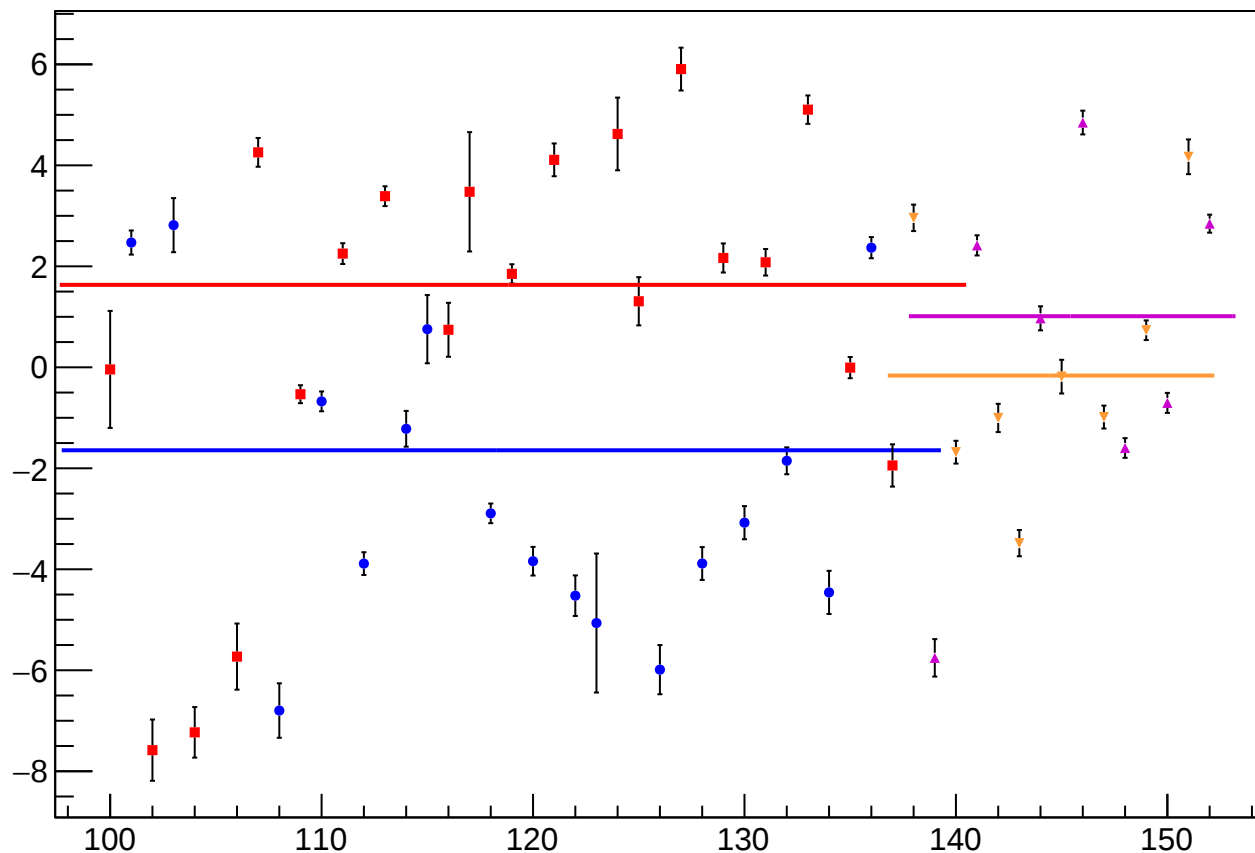
Left In: -24.338 ± 0.095 χ^2/NDF : 22274.2/6

12.294 ± 0.077 χ^2/NDF : 73668.4/24

-0.974 ± 0.051 χ^2/NDF : 188181.7/51

-11.798 ± 0.069 χ^2/NDF : 60067.2/26

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.643 ± 0.072 χ^2/NDF : 1310.1/16

Left Out: -0.163 ± 0.089 χ^2/NDF : 552.3/7

Right Out: 1.633 ± 0.067 χ^2/NDF : 1470.6/19

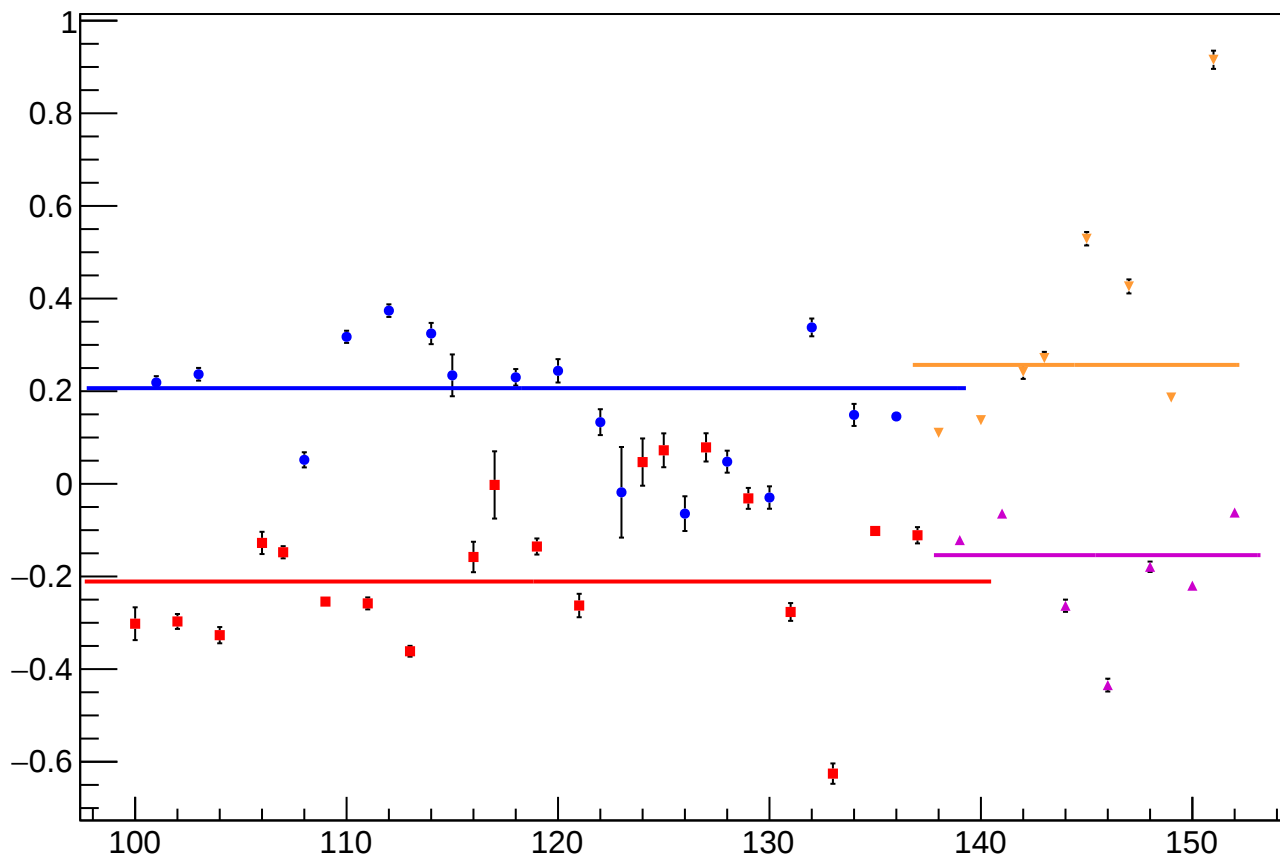
Left In: 1.012 ± 0.081 χ^2/NDF : 1006.7/6

-1.057 ± 0.056 χ^2/NDF : 2027.8/24

0.267 ± 0.038 χ^2/NDF : 5561.3/51

1.383 ± 0.052 χ^2/NDF : 2512.1/26

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

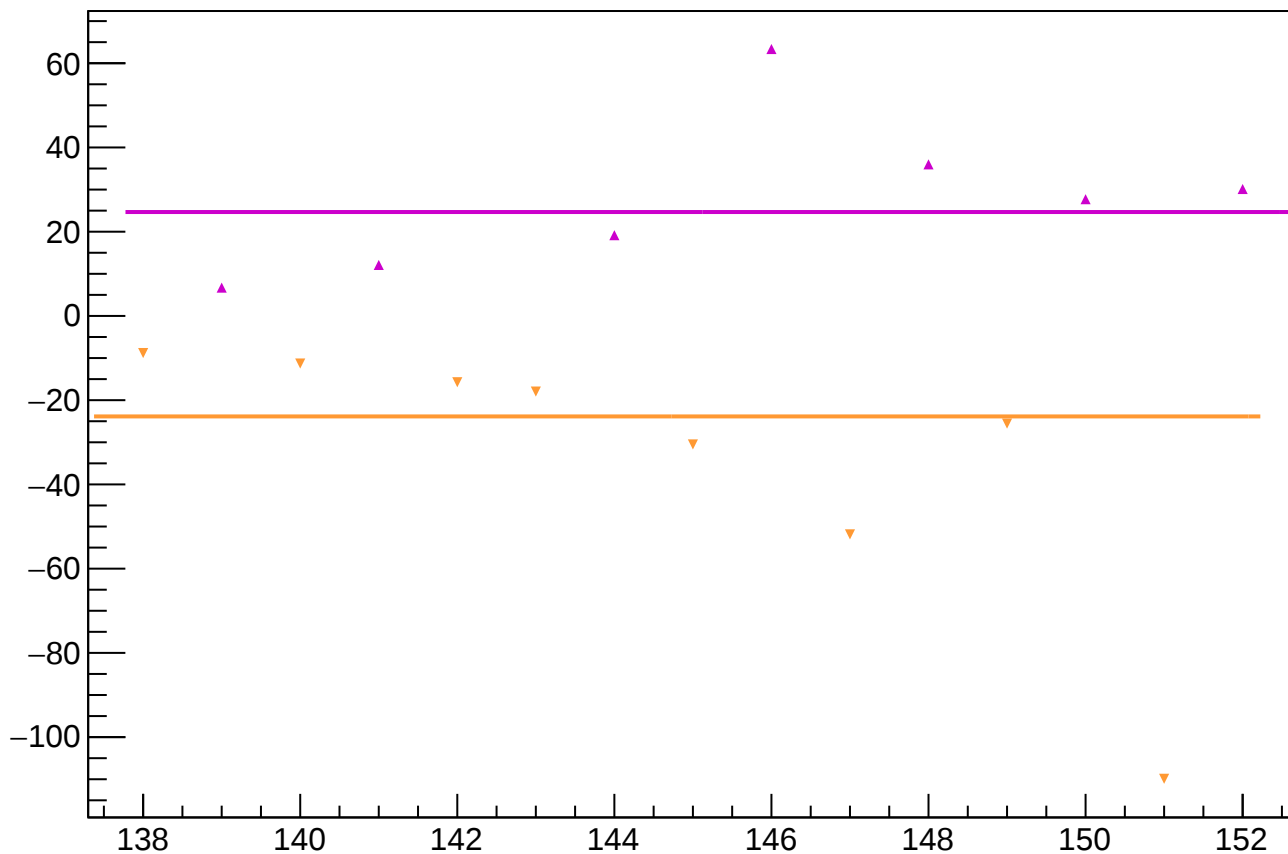
Left In: -0.154 ± 0.004 χ^2/NDF : 767.5/6

0.231 ± 0.003 χ^2/NDF : 2792.2/24

-0.002 ± 0.002 χ^2/NDF : 15418.1/51

-0.182 ± 0.003 χ^2/NDF : 2036.4/26

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

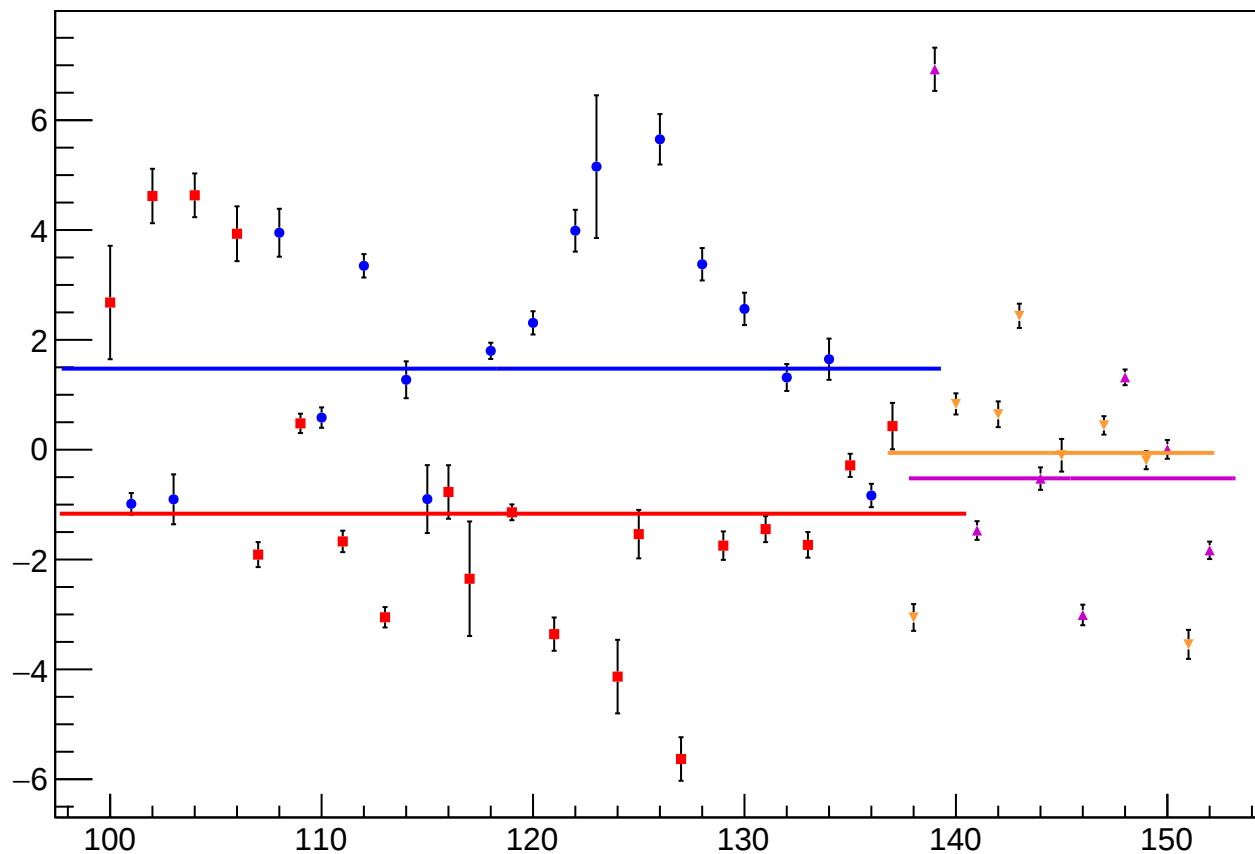
Left In: 24.670+/-0.097 χ^2/NDF : 26706.8/6

-23.859+/-0.103 χ^2/NDF : 48084.9/7

1.916+/-0.071 χ^2/NDF : 192132.1/14

24.670+/-0.097 χ^2/NDF : 26706.8/6

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.476 ± 0.064 χ^2/NDF : 659.7/16

Left Out: -0.058 ± 0.074 χ^2/NDF : 493.7/7

Right Out: -1.165 ± 0.060 χ^2/NDF : 919.2/19

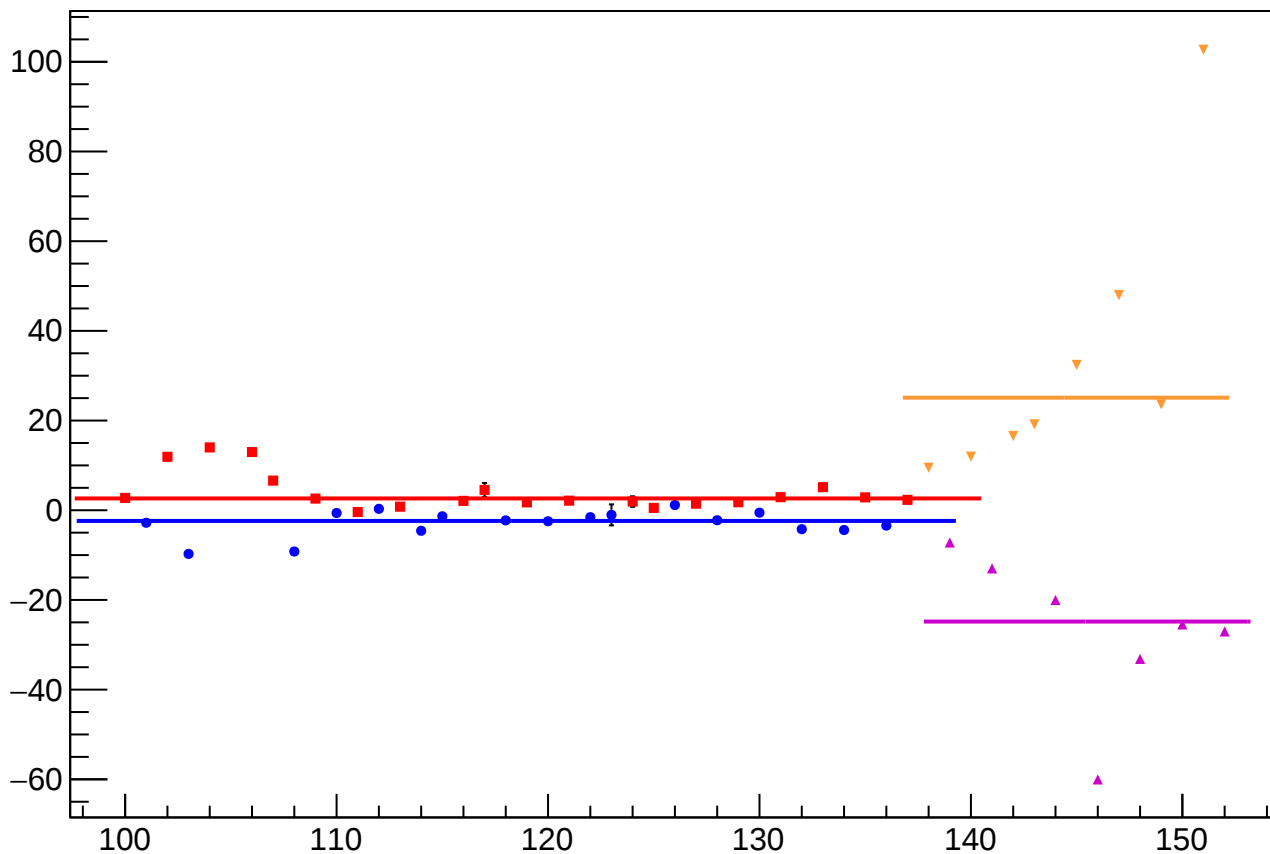
Left In: -0.522 ± 0.068 χ^2/NDF : 809.0/6

0.828 ± 0.048 χ^2/NDF : 1399.1/24

-0.091 ± 0.033 χ^2/NDF : 3850.8/51

-0.884 ± 0.045 χ^2/NDF : 1778.6/26

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 $\chi^2/\text{NDF}: 842.8/19$

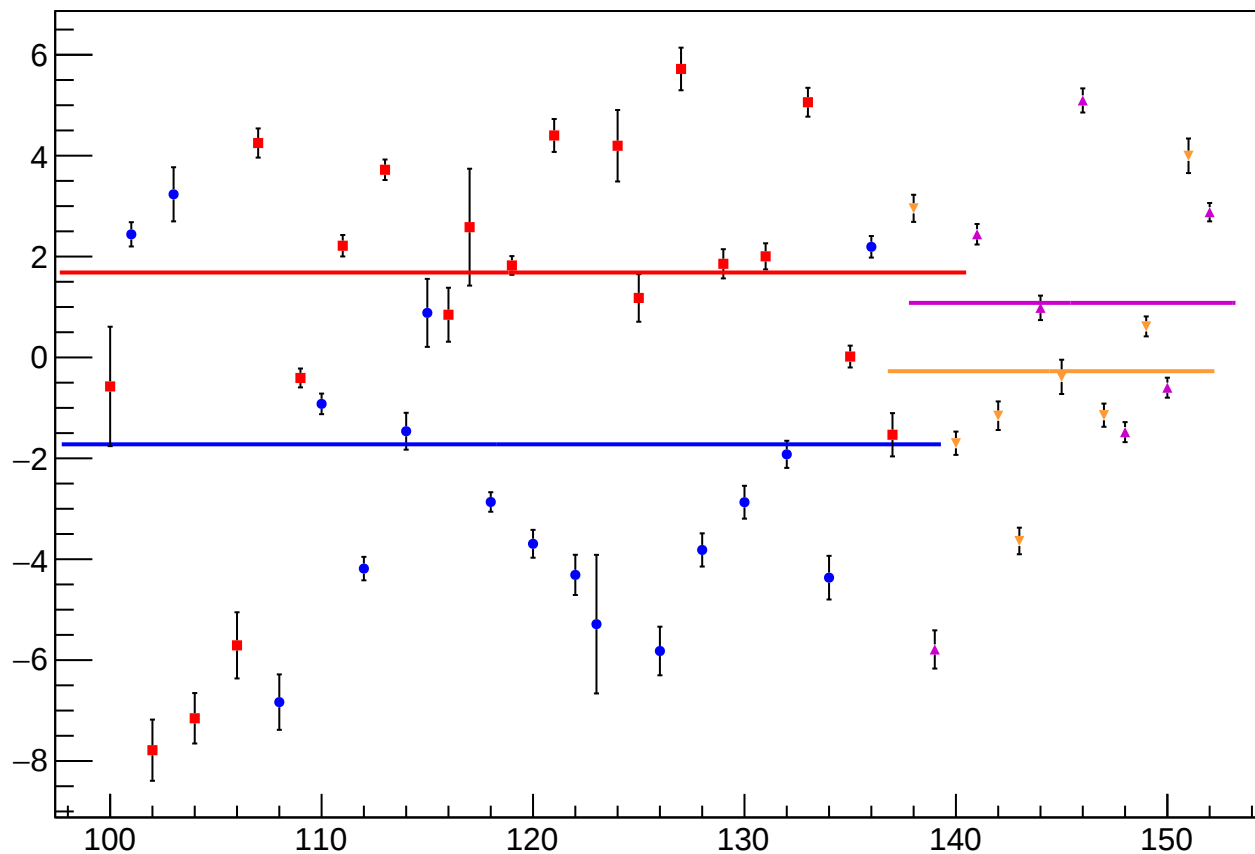
Left In: -24.821 ± 0.097 $\chi^2/\text{NDF}: 22245.1/6$

12.494 ± 0.078 $\chi^2/\text{NDF}: 74003.3/24$

-0.964 ± 0.052 $\chi^2/\text{NDF}: 189098.4/51$

-11.974 ± 0.070 $\chi^2/\text{NDF}: 60861.1/26$

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

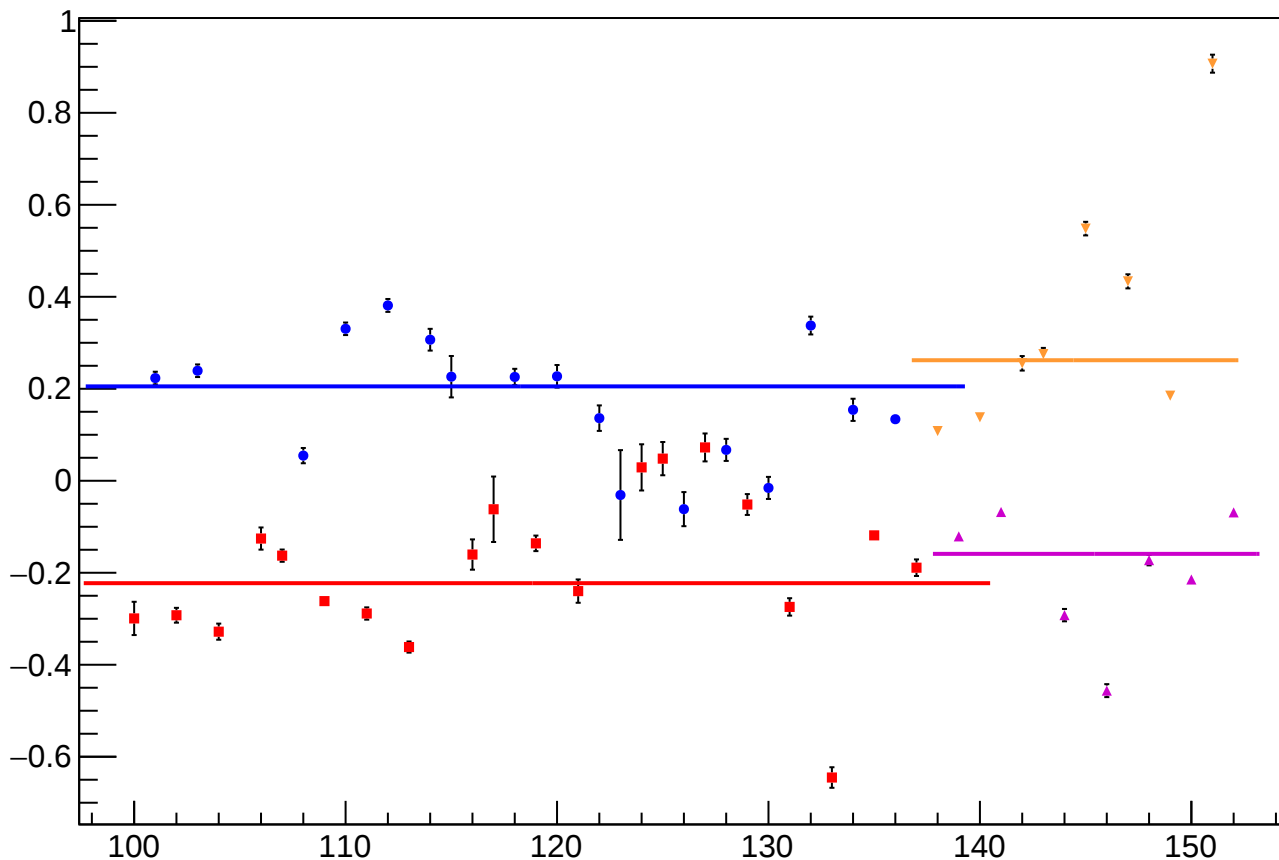
Left In: 1.082 ± 0.083 χ^2/NDF : 991.8/6

-1.153 ± 0.057 χ^2/NDF : 1947.0/24

0.253 ± 0.039 χ^2/NDF : 5525.0/51

1.441 ± 0.052 χ^2/NDF : 2455.2/26

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

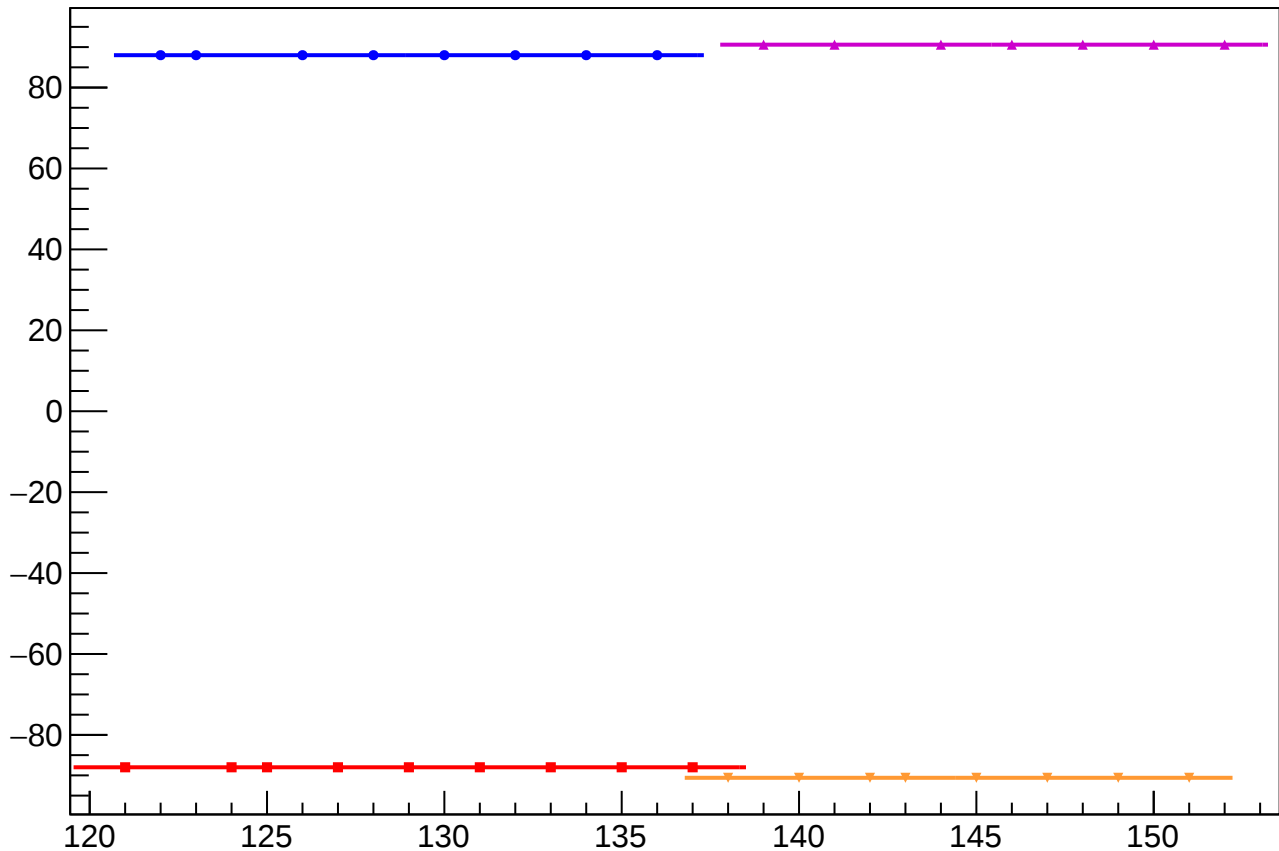
Left In: -0.159 ± 0.004 χ^2/NDF : 810.3/6

0.233 ± 0.003 χ^2/NDF : 2813.1/24

-0.005 ± 0.002 χ^2/NDF : 15542.1/51

-0.191 ± 0.003 χ^2/NDF : 1994.9/26

VWienAngle_mean vs Slug, Sign Corrected

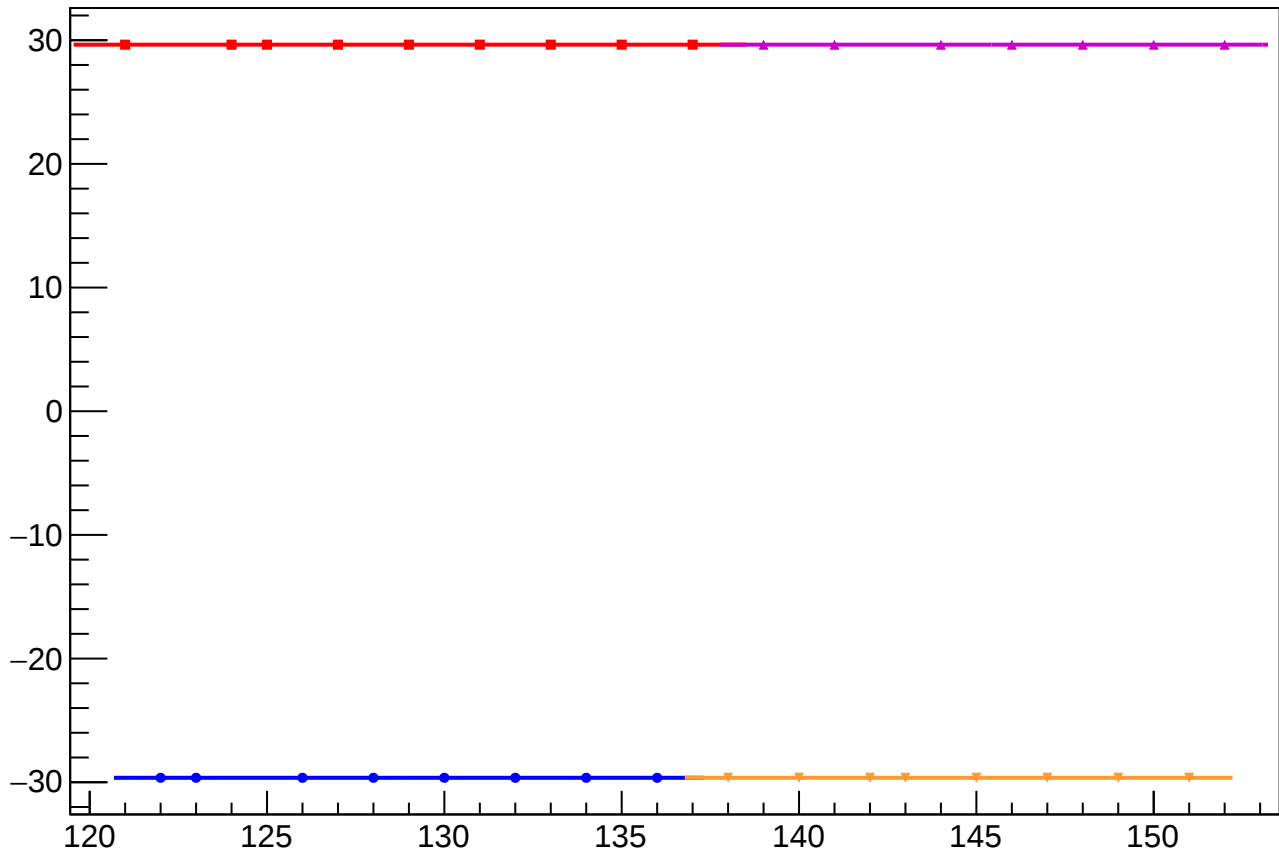


-25.272 $\pm$ 0.000 χ^2 /NDF: 69188210435935763

1.096 $\pm$ 0.000 χ^2 /NDF: 14851611658306

28.128 $\pm$ 0.000 χ^2 /NDF: 66162734641666558

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

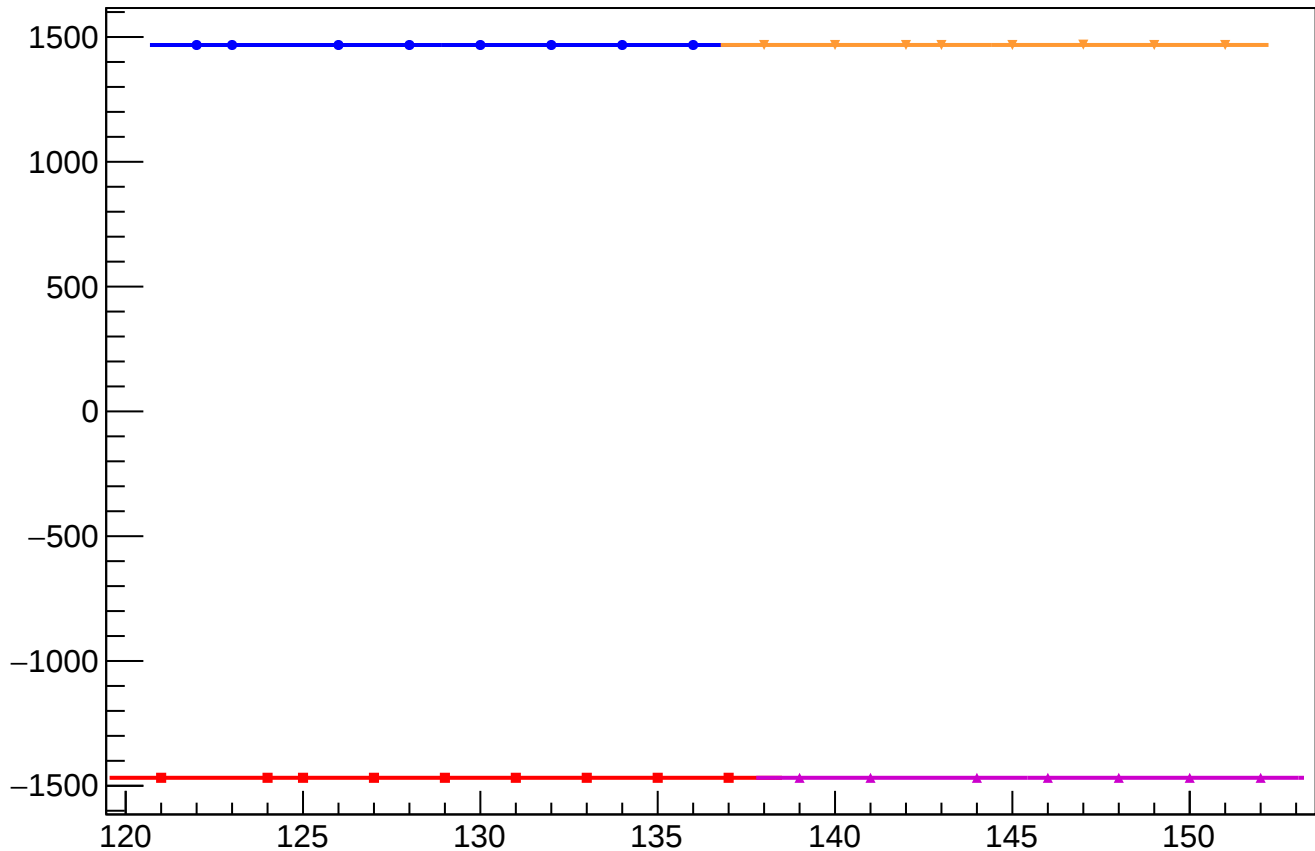
Left In: 29.641+/-0.000 χ^2/NDF :16799.6/6

-29.641+/-0.000 χ^2/NDF : 903378.3/15

-0.369+/-0.000 χ^2/NDF : 16224695254330

29.641+/-0.000 χ^2/NDF : 1240707.8/15

psub_pl_pos_mean vs Slug, Sign Corrected



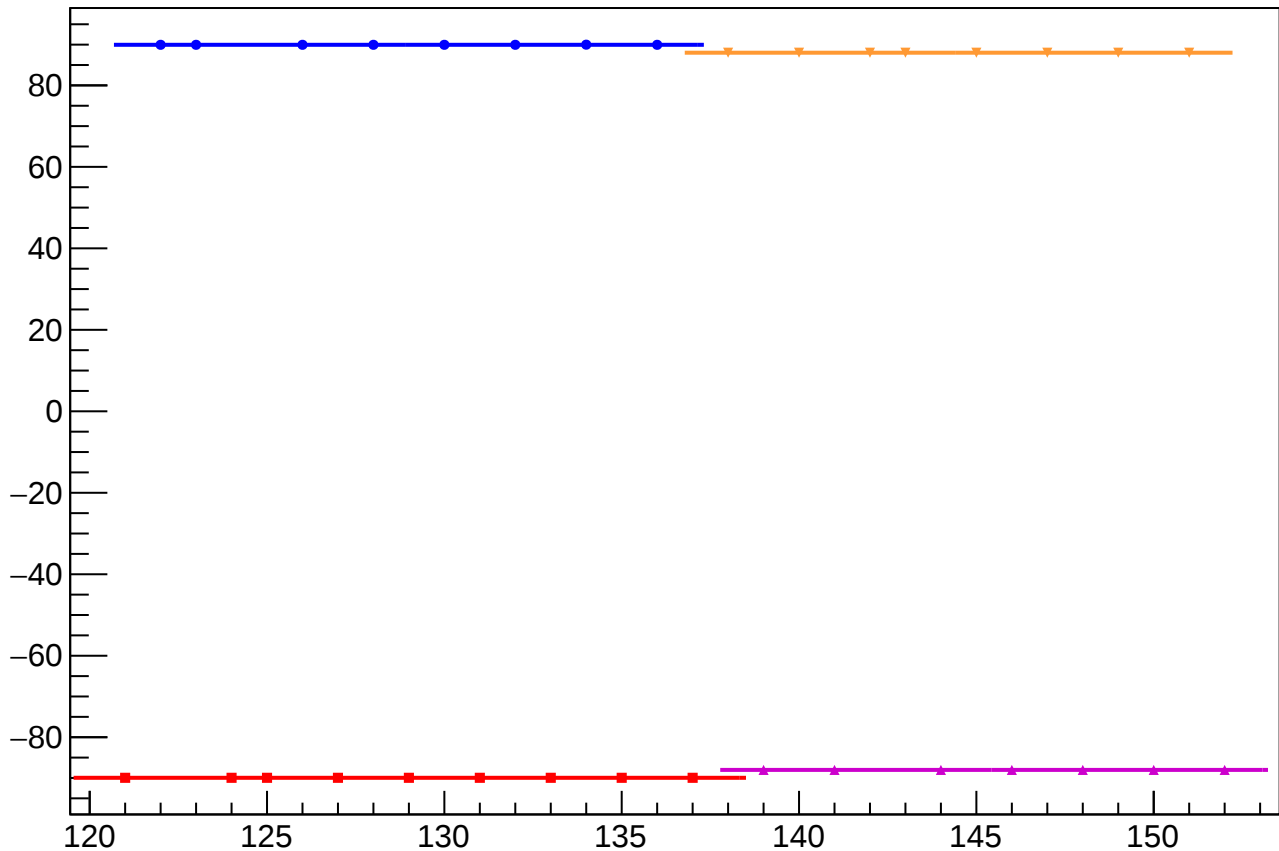
Right In: 1467.979+/-0.000 χ^2/NDF : 436234375.5/7

Left Out: 1468.156+/-0.000 χ^2/NDF : 117918747226670561222918685065216.0/7

Right Out: -1467.979+/-0.000 χ^2/NDF : 83183350.3/8

Left In: -1467.982+/-0.000 χ^2/NDF : 29694435066747196615031783424.0/6

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

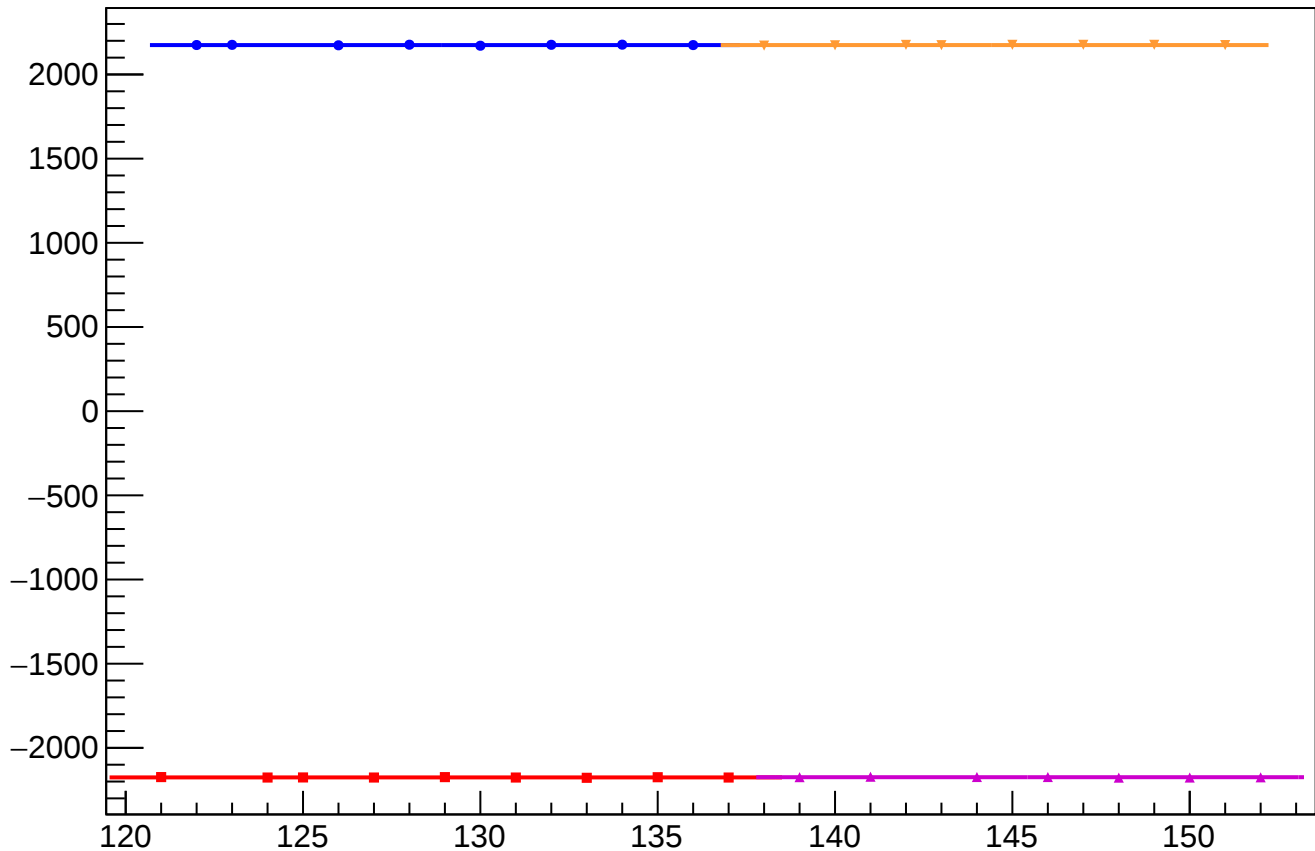
Left In: -88.021 $\pm$ 0.000 χ^2/NDF : 481243.0/6

88.731 $\pm$ 0.000 χ^2/NDF : 816888943593796460

1.121 $\pm$ 0.000 χ^2/NDF : 14535769743567

-88.699 $\pm$ 0.000 χ^2/NDF : 77951442197529265

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2174.572 $\pm$ 0.000 χ^2 /NDF: 1360264074026849381407550448074752.0/7

Left Out: 2174.638 $\pm$ 0.000 χ^2 /NDF: 1585260040557147729782144652804096.0/7

Right Out: -2175.442 $\pm$ 0.000 χ^2 /NDF: 610778445075790556034346524868608.0/8

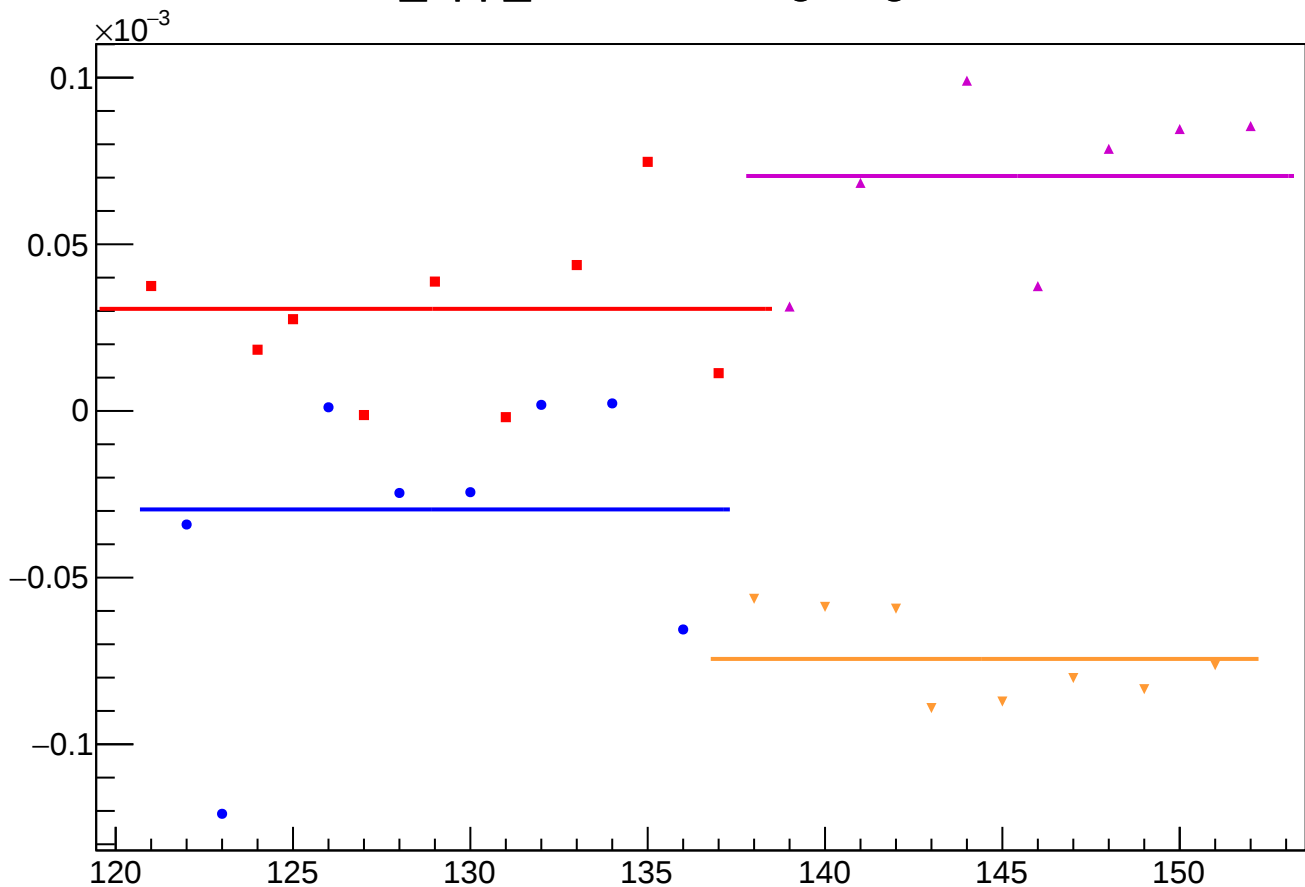
Left In: -2174.213 $\pm$ 0.000 χ^2 /NDF: 1879455119520958177857780240613376.0/6

2174.614 $\pm$ 0.000 χ^2 /NDF: 2946462859588371

27.066 $\pm$ 0.000 χ^2 /NDF: 8733130827790

-2174.643 $\pm$ 0.000 χ^2 /NDF: 280354867838596

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

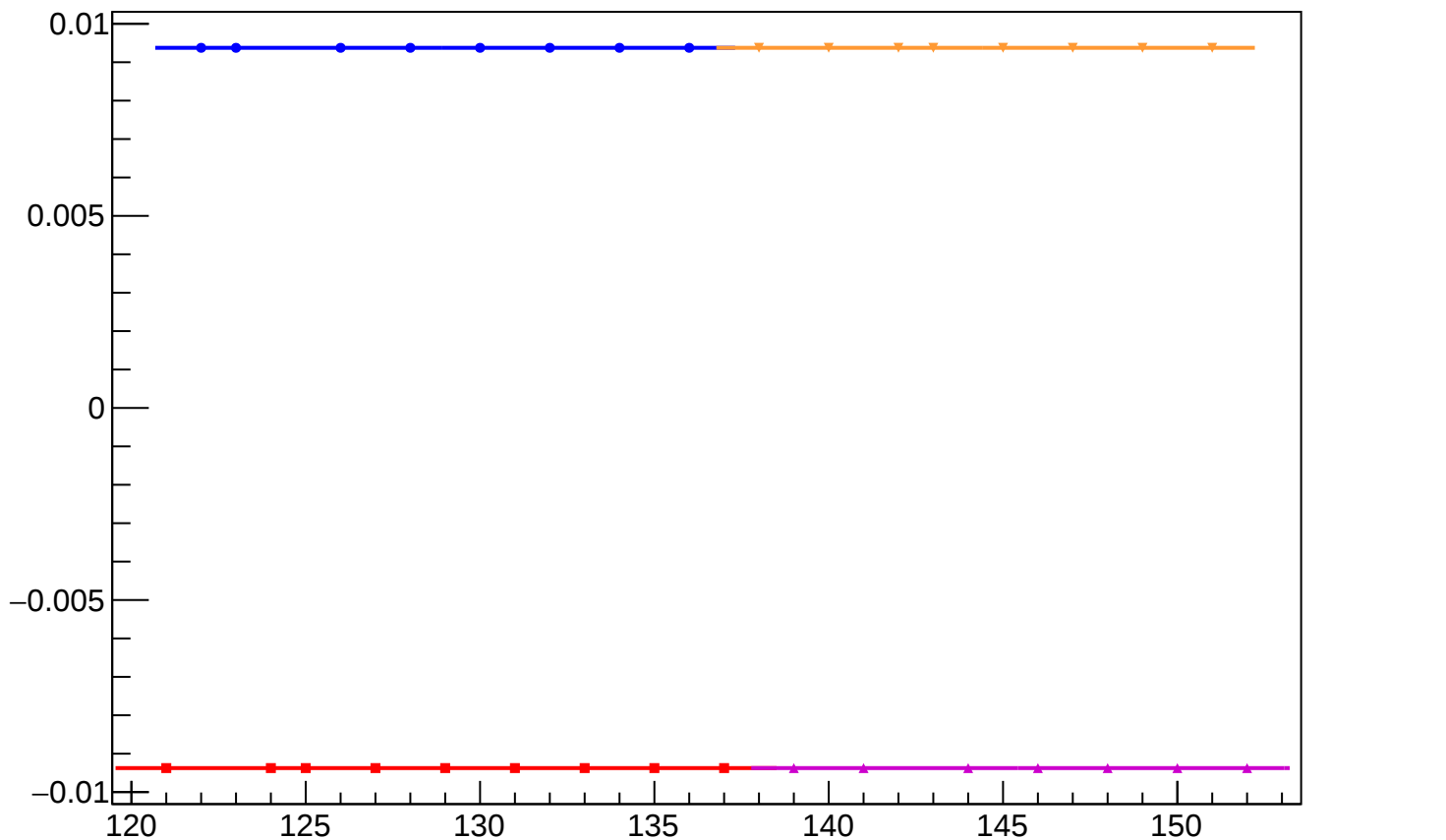
Left In: 0.000+/-0.000 χ^2/NDF : 32043811103703235349504.0/6

-0.000+/-0.000 χ^2/NDF : 779884309826695677

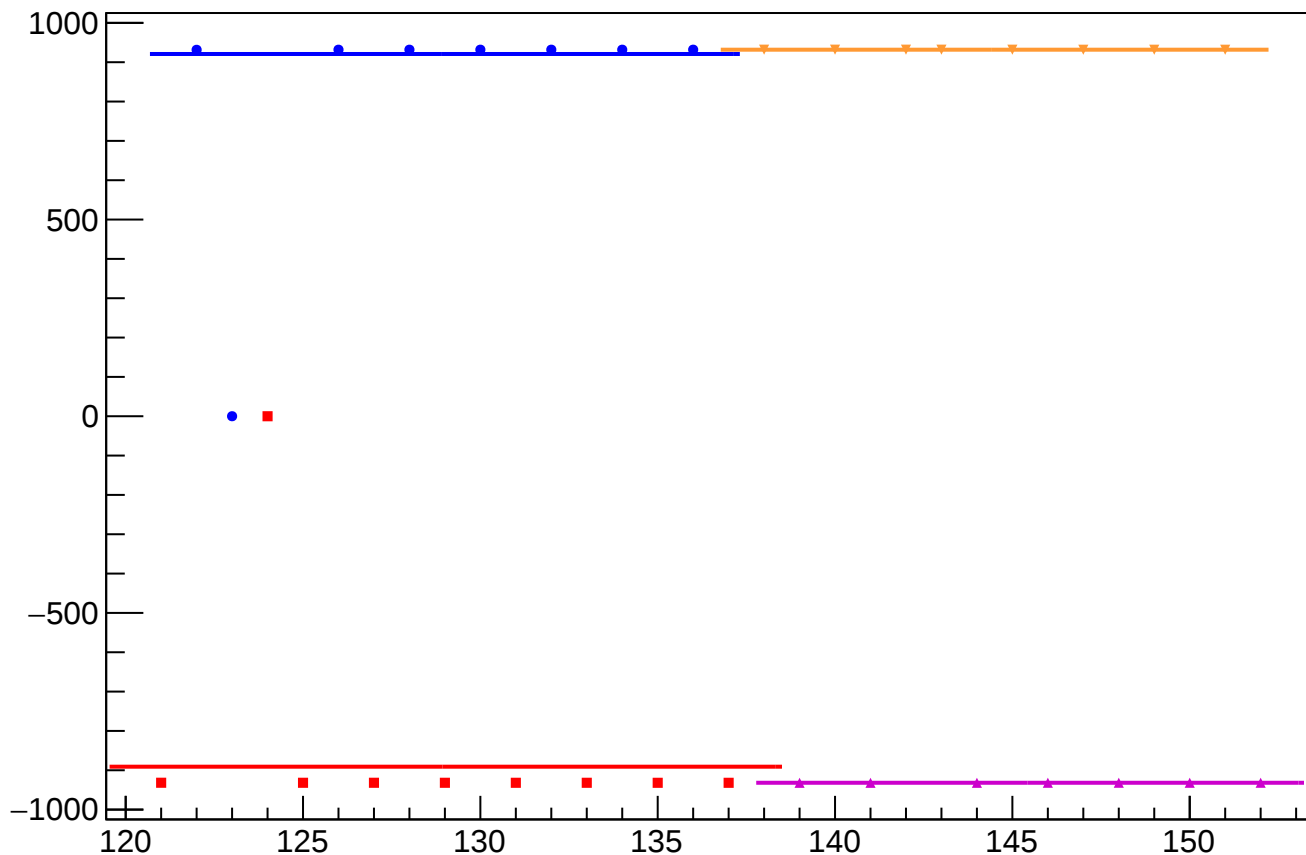
-0.000+/-0.000 χ^2/NDF : 76835144652027

0.000+/-0.000 χ^2/NDF : 8467110737909280239

MQ171LM_mean vs Slug, Sign Corrected



HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



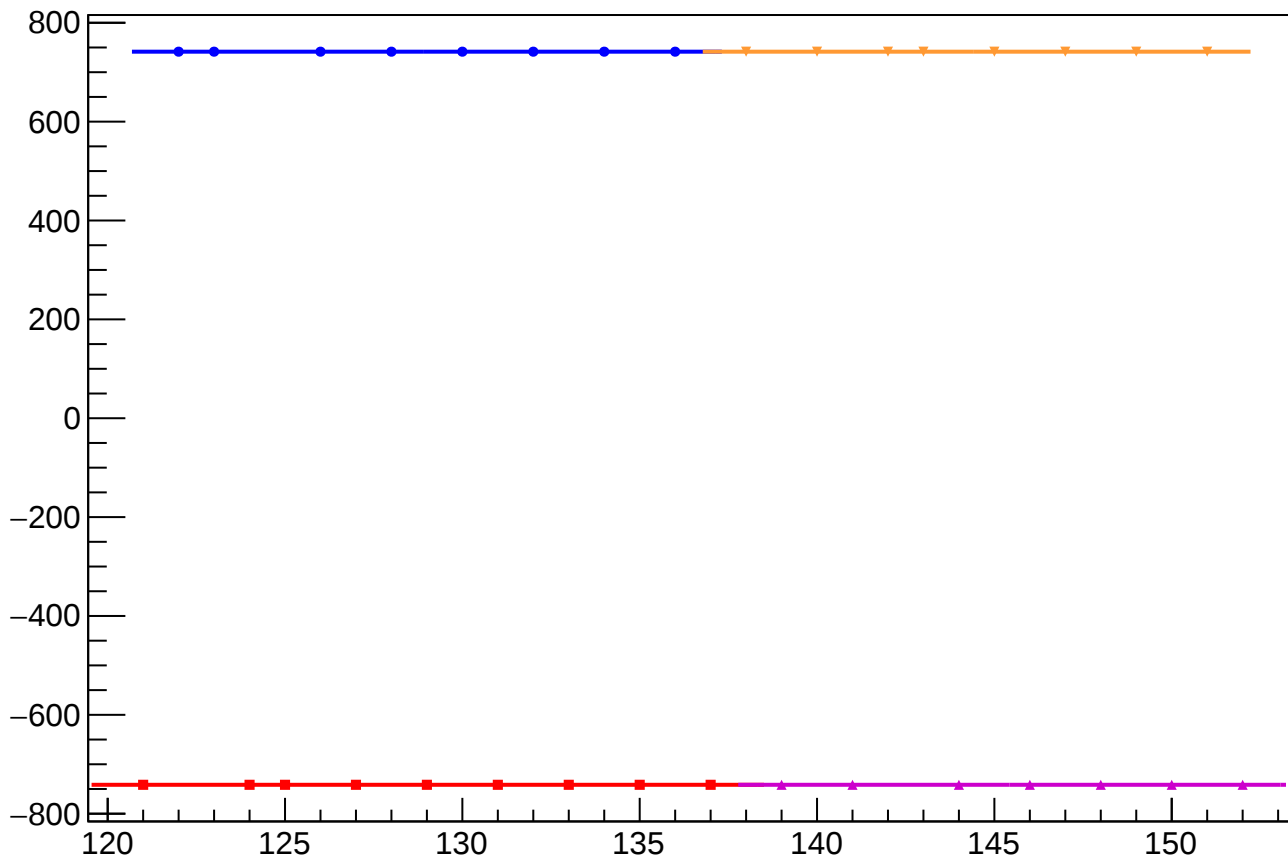
Right In: 920.898+/-0.000 χ^2/NDF : 3432128841951899861299566212080992256.0/7

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: -931.793+/-0.000 χ^2/NDF : 2587185575951571952721631117312.0/6

HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 741.528+/-0.000 χ^2/NDF : 18896144326732419810052800512.0/7

Left Out: 741.524+/-0.000 χ^2/NDF : 40253842789484149202772557824.0/7

Right Out: -741.529+/-0.000 χ^2/NDF : 16580353917842624420385914880.0/8

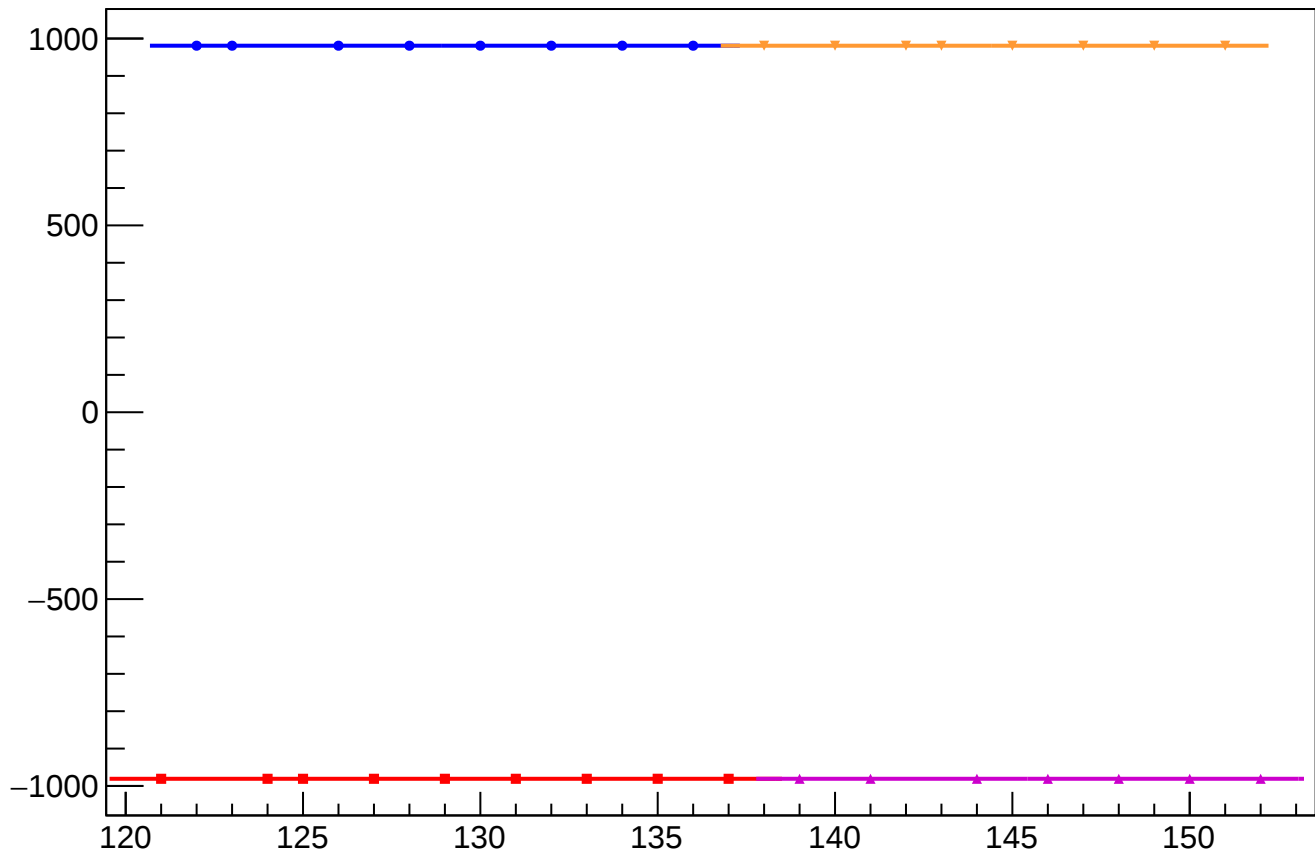
Left In: -741.523+/-0.000 χ^2/NDF : 45427774802589146772207042560.0/6

741.526+/-0.000 χ^2/NDF : 61251890148090919

9.234+/-0.000 χ^2/NDF : 10154332462570

-741.525+/-0.000 χ^2/NDF : 6878026923401840

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

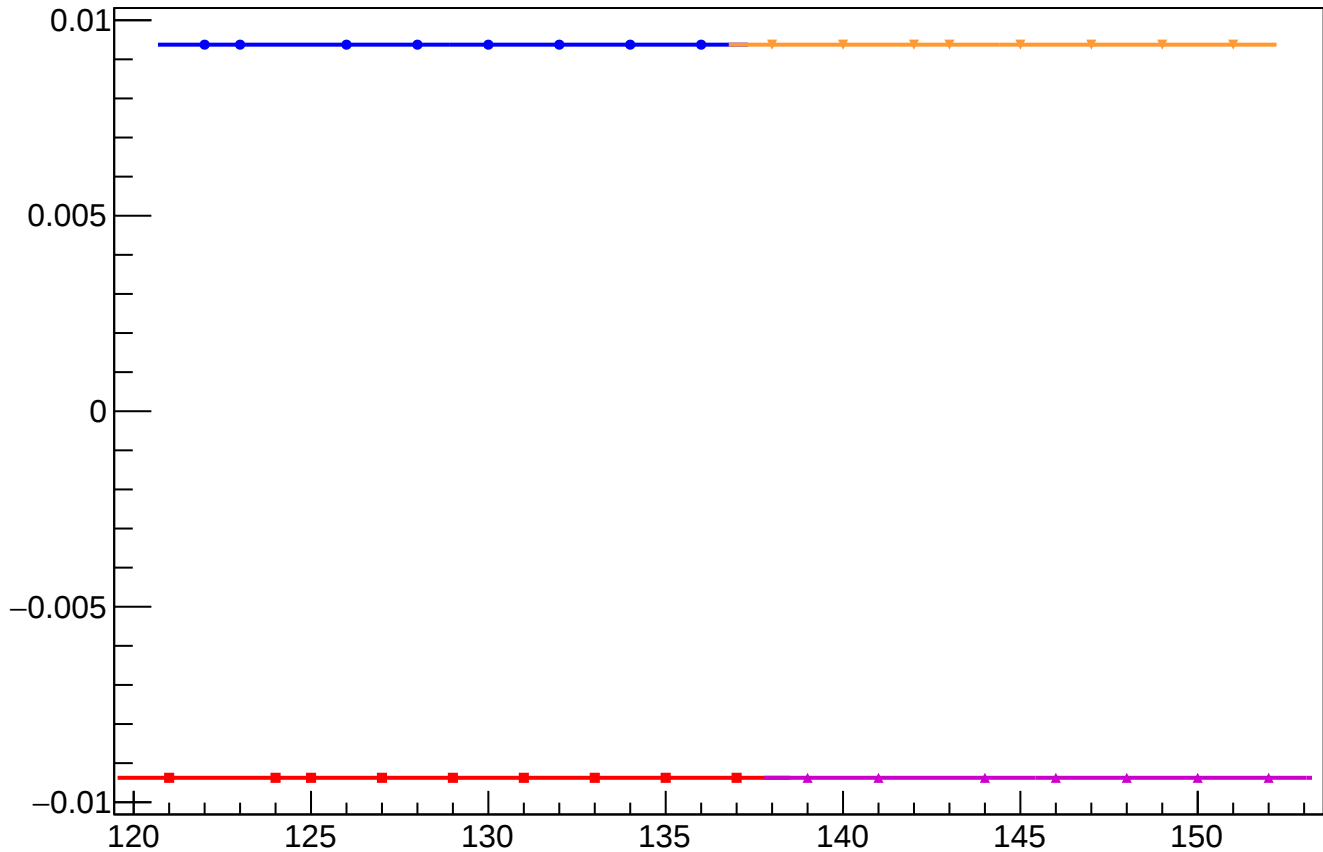
Left In: -980.800+/-0.000 χ^2/NDF : 728651437626027527851923734528.0/6

980.798+/-0.000 χ^2/NDF : 97885940391633218

12.210+/-0.000 χ^2/NDF : 1776488629345

-980.806+/-0.000 χ^2/NDF : 9420051666888272

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009 $\pm$ 0.000 $\chi^2/\text{NDF}: 0.0/7$

Left Out: 0.009 $\pm$ 0.000 $\chi^2/\text{NDF}: 0.0/7$

Right Out: -0.009 $\pm$ 0.000 $\chi^2/\text{NDF}: 0.0/8$

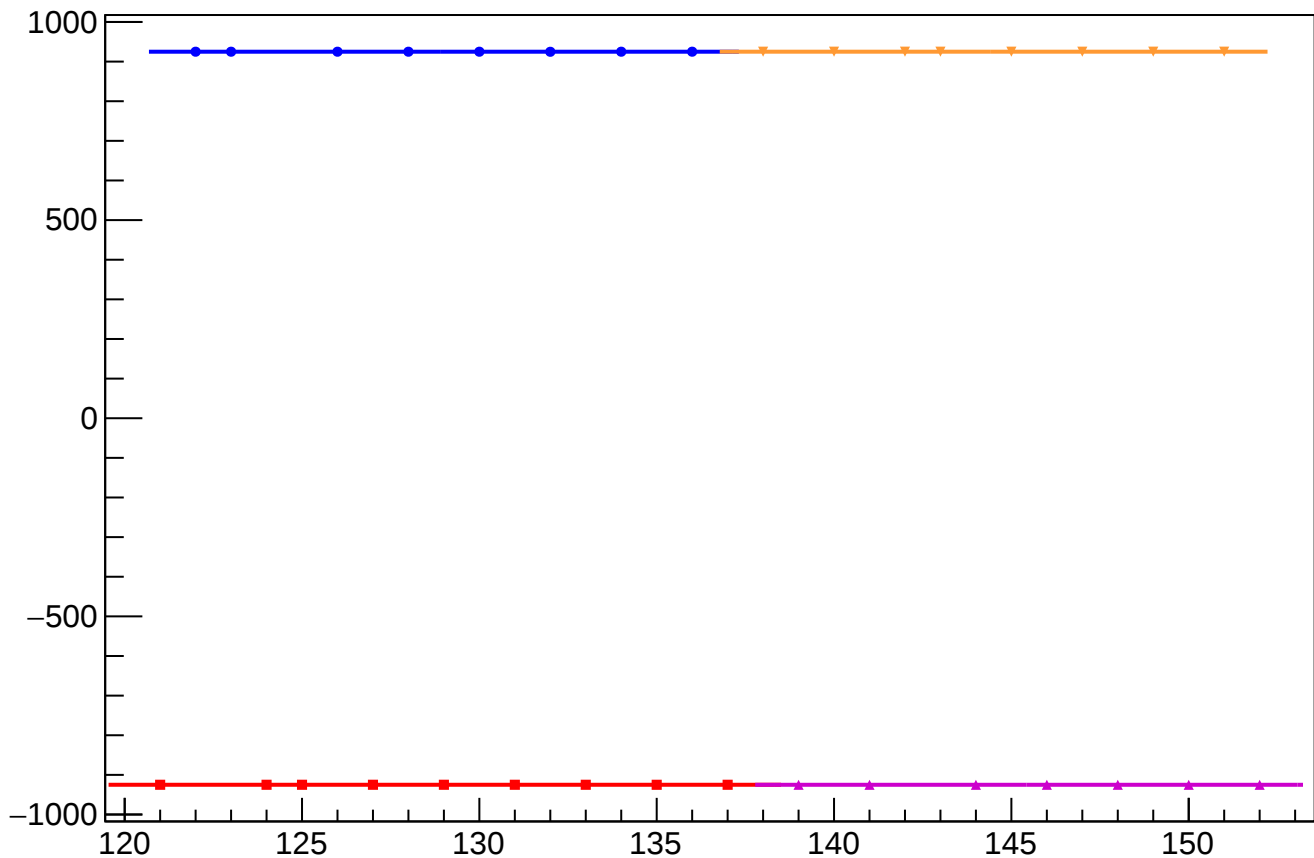
Left In: -0.009 $\pm$ 0.000 $\chi^2/\text{NDF}: 0.0/6$

0.009 $\pm$ 0.000 $\chi^2/\text{NDF}: 0.1/15$

0.000 $\pm$ 0.000 $\chi^2/\text{NDF}: 16230881158635$

-0.009 $\pm$ 0.000 $\chi^2/\text{NDF}: 0.1/15$

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

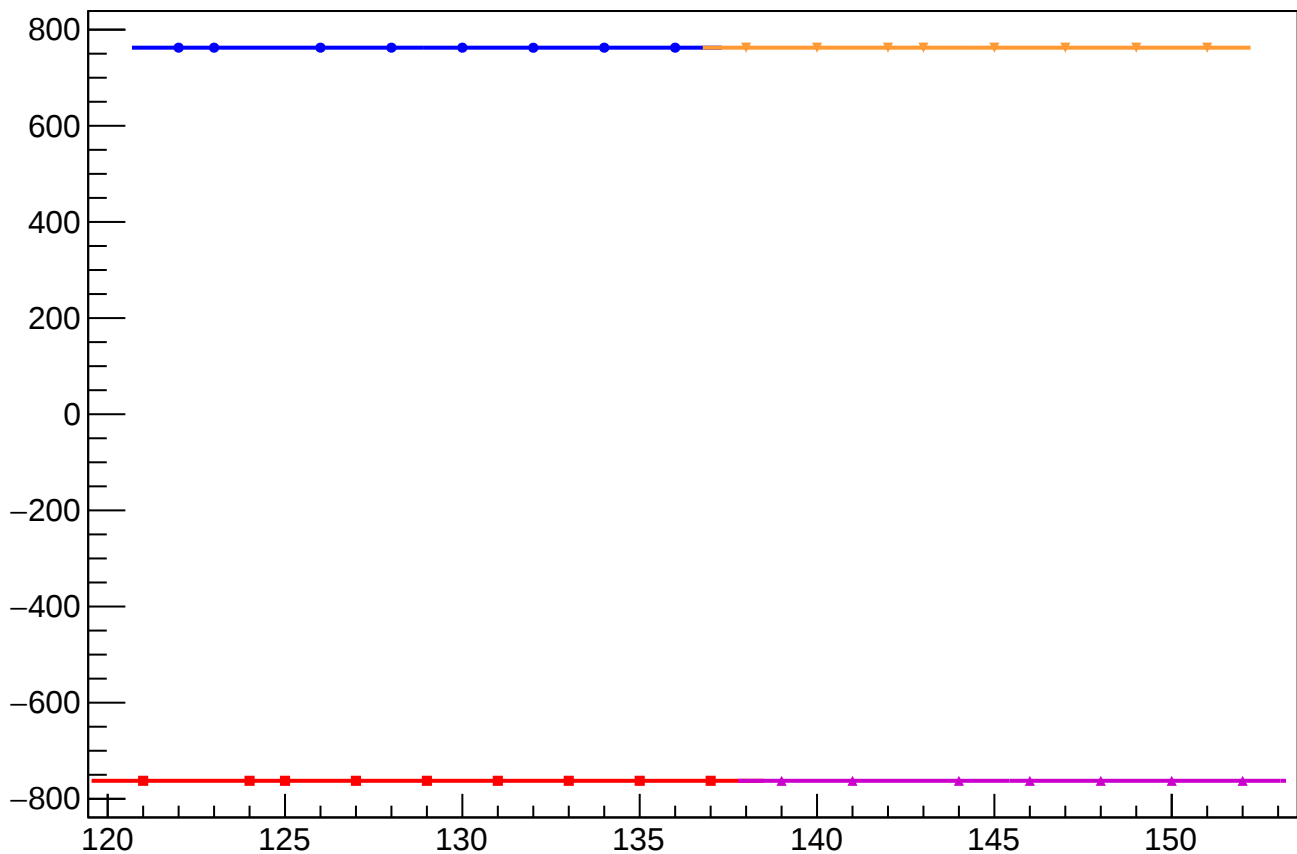
Left In: -925.002 +/- 0.000 χ^2/NDF : 328905996330421197051743174656.0/6

924.978 +/- 0.000 χ^2/NDF : 25891177688135083

11.514 +/- 0.000 χ^2/NDF : 1580033679199

-924.987 +/- 0.000 χ^2/NDF : 8247918474398875

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

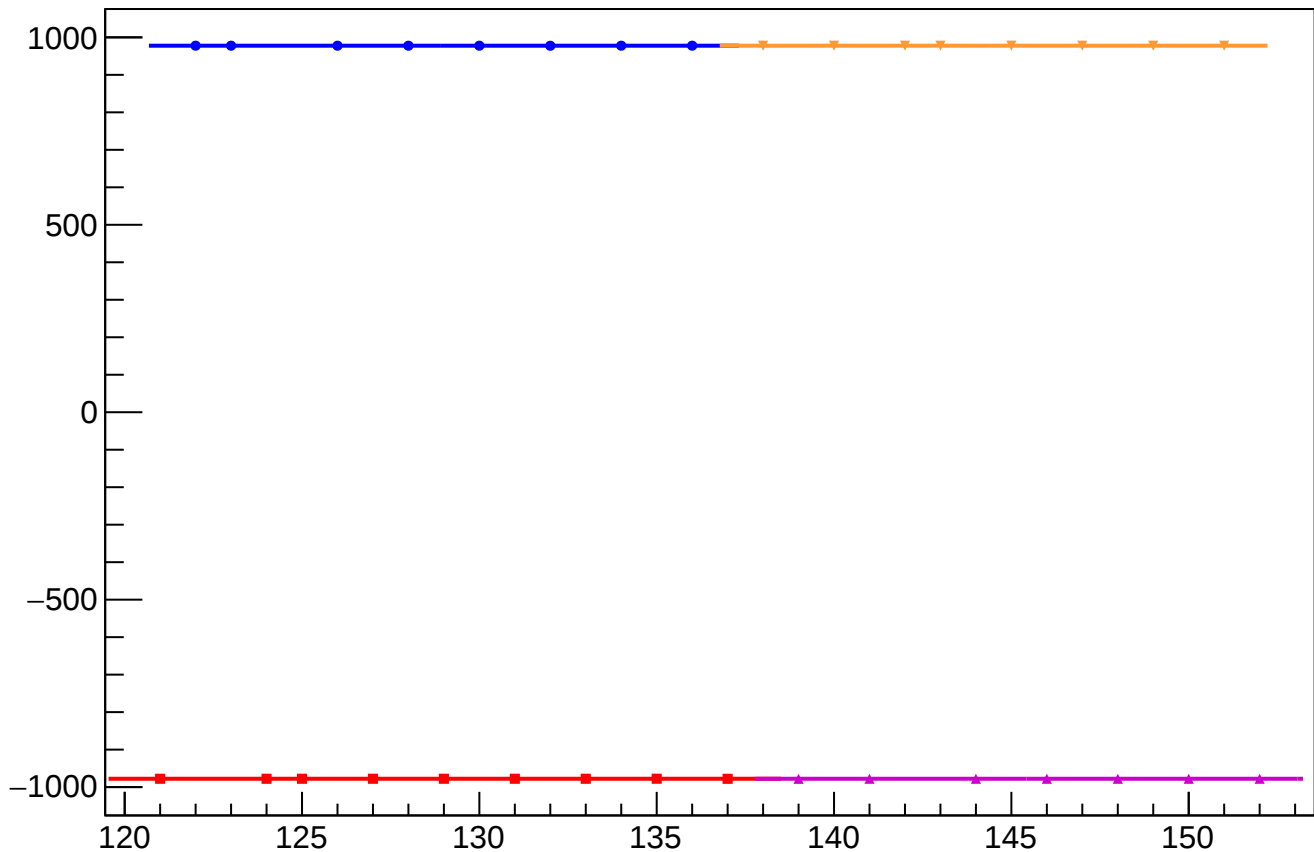
Left In: -762.500+/-0.000 χ^2/NDF : 54224176392545964804378984448.0/6

762.492+/-0.000 χ^2/NDF : 88107342483184255

9.491+/-0.000 χ^2/NDF : 10736794801885

-762.500+/-0.000 χ^2/NDF : 5518641741990933

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

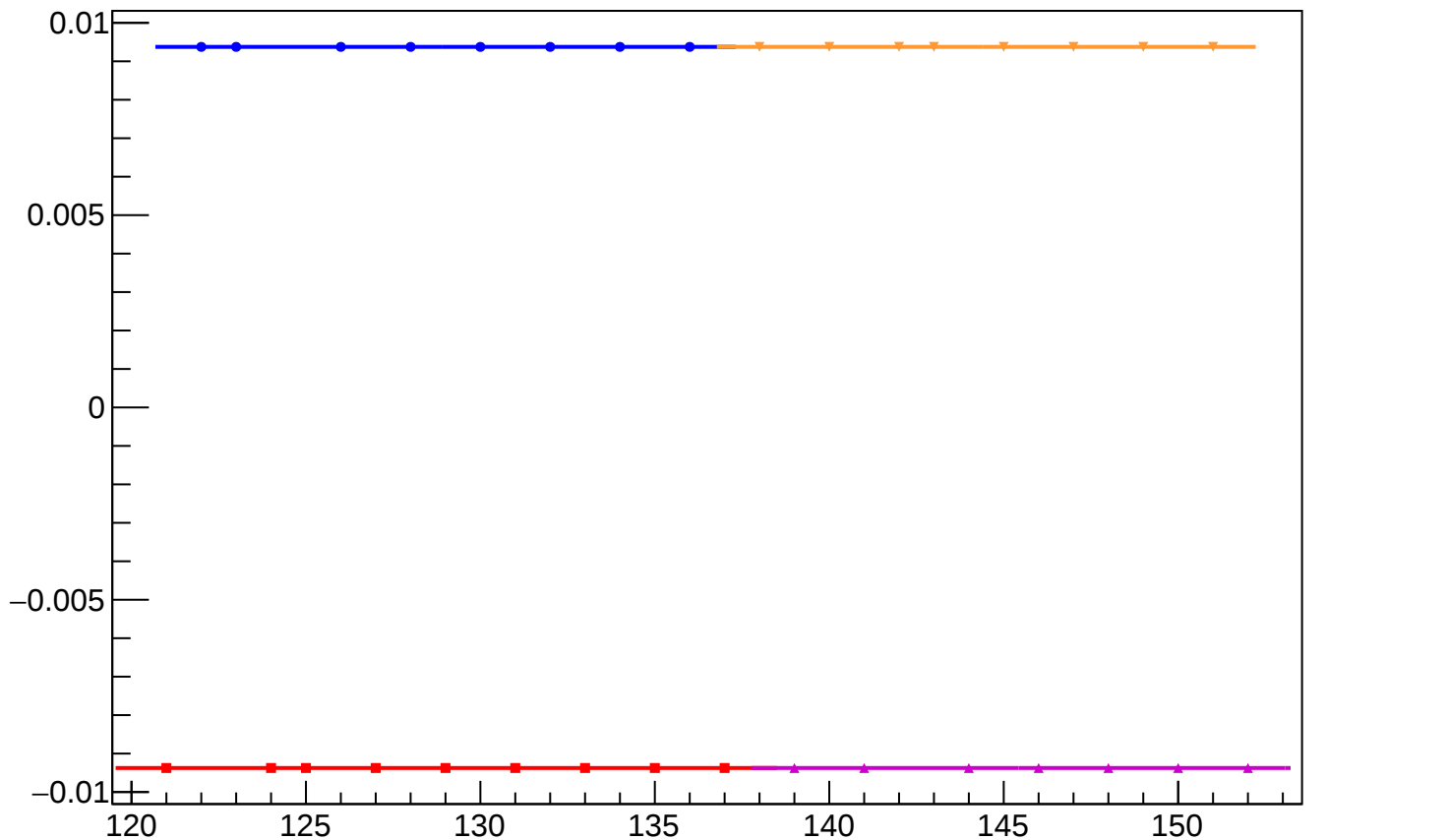
Left In: -977.751+/-0.000 χ^2/NDF : 699475884414596470744431984640.0/6

977.753+/-0.000 χ^2/NDF : 24676183331993682

12.179+/-0.000 χ^2/NDF : 1765447619842

-977.746+/-0.000 χ^2/NDF : 1511907647715527

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

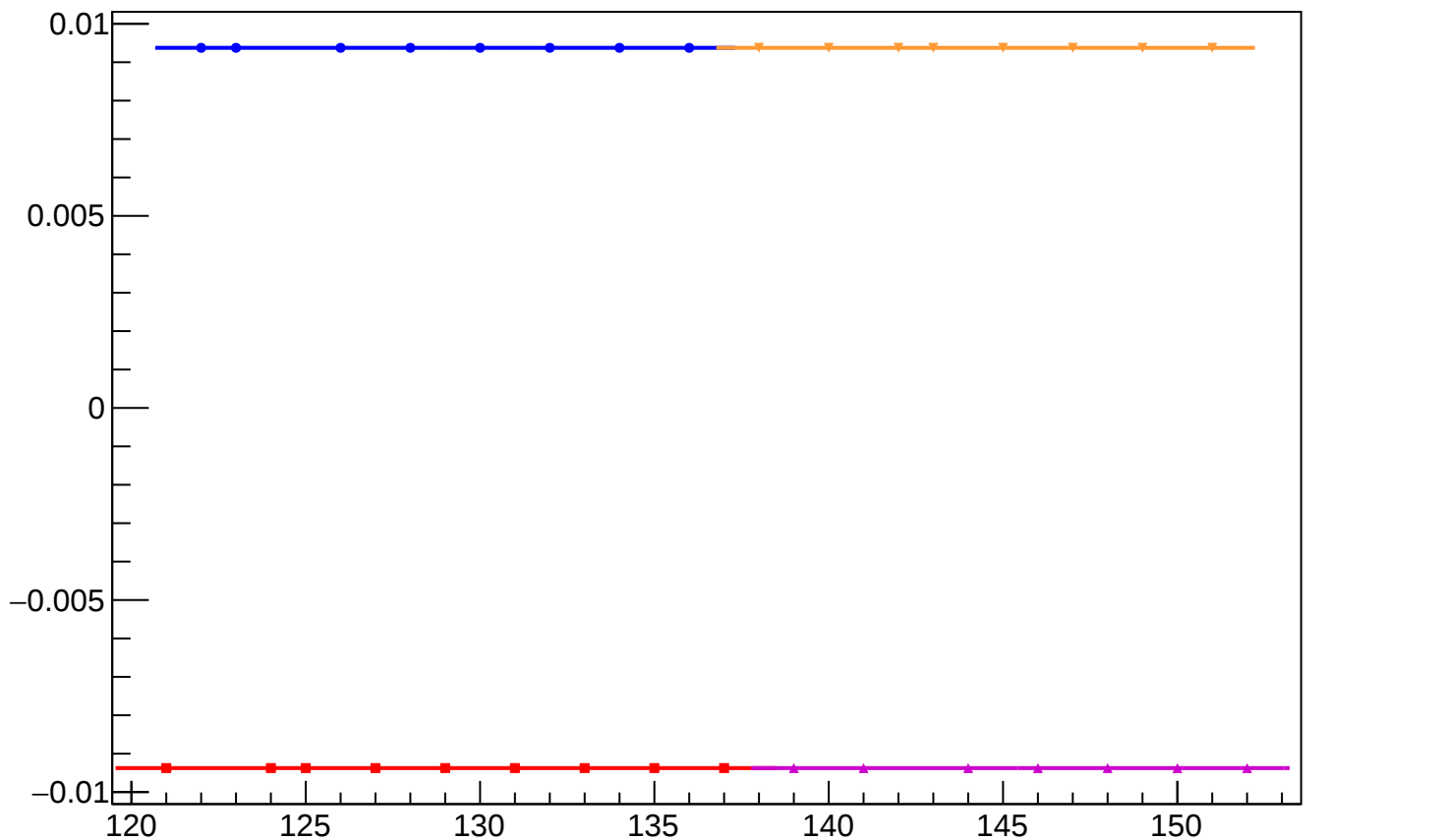
Left In: -0.009+/-0.000 χ^2/NDF : 0.0/6

0.009+/-0.000 χ^2/NDF : 0.1/15

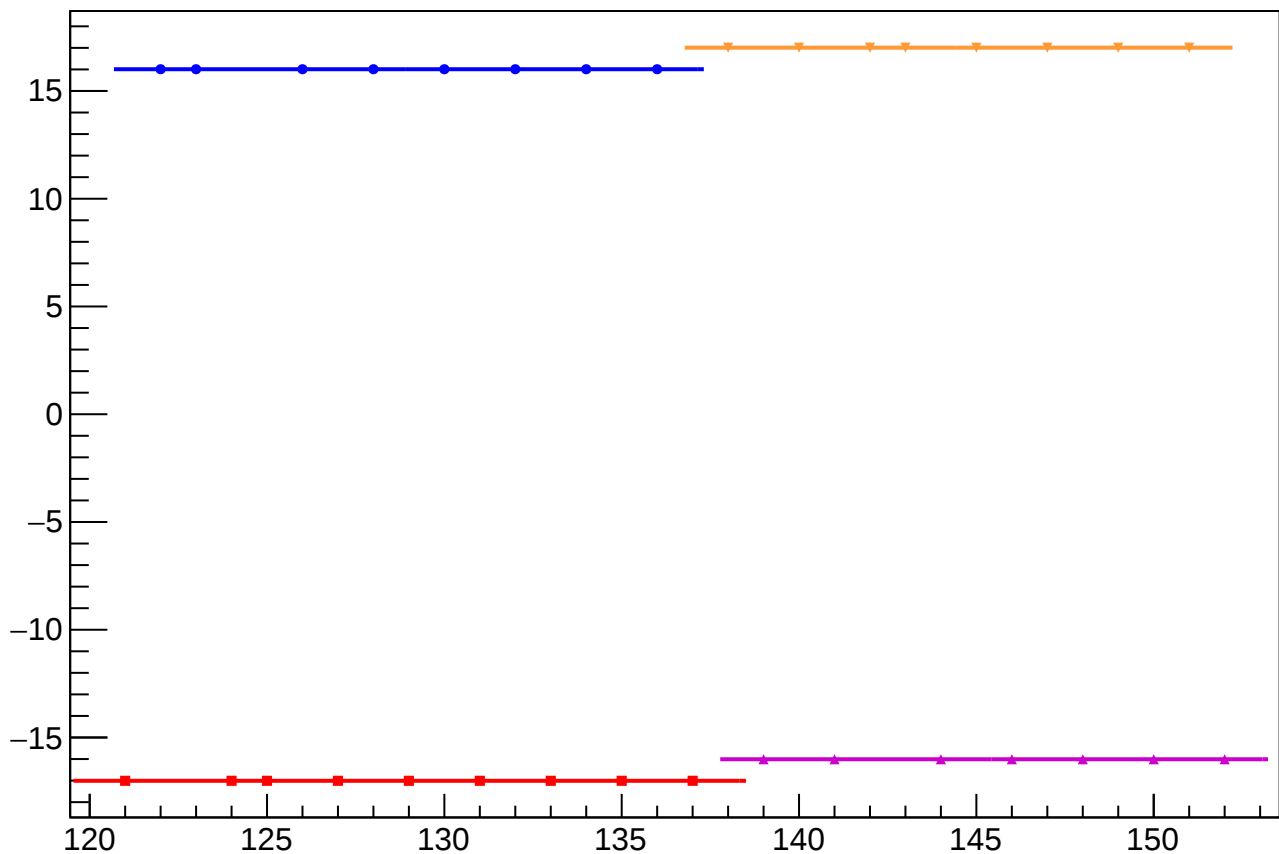
0.000+/-0.000 χ^2/NDF : 16230881158635

-0.009+/-0.000 χ^2/NDF : 0.1/15

MSUPERBIGBITereadcalc_mean vs Slug, Sign Corrected



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

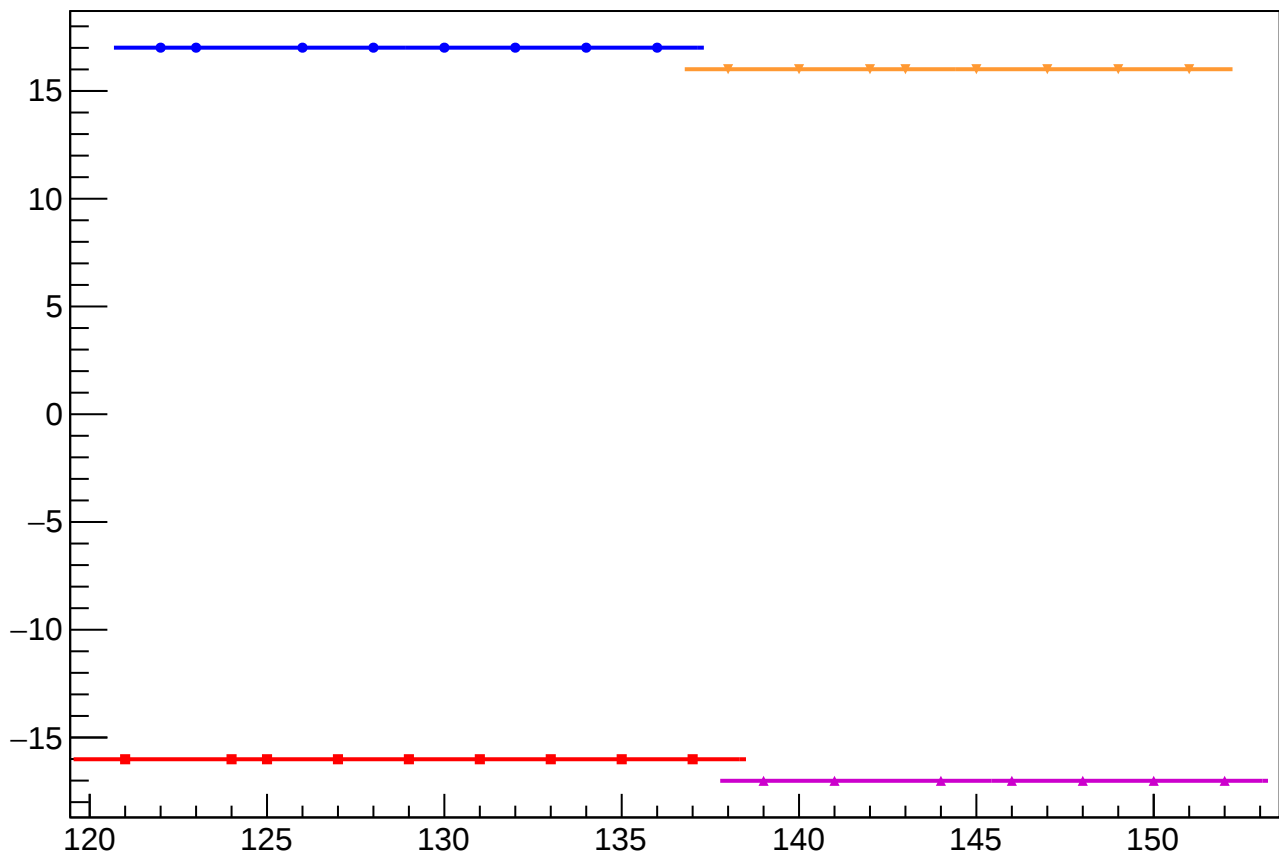
Left In: -16.009 $\pm$ 0.000 χ^2 /NDF: 16749.1/6

16.640 $\pm$ 0.000 χ^2 /NDF: 199282355320550343

0.092 $\pm$ 0.000 χ^2 /NDF: 46785021059135

-16.360 $\pm$ 0.000 χ^2 /NDF: 19601927001170189

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

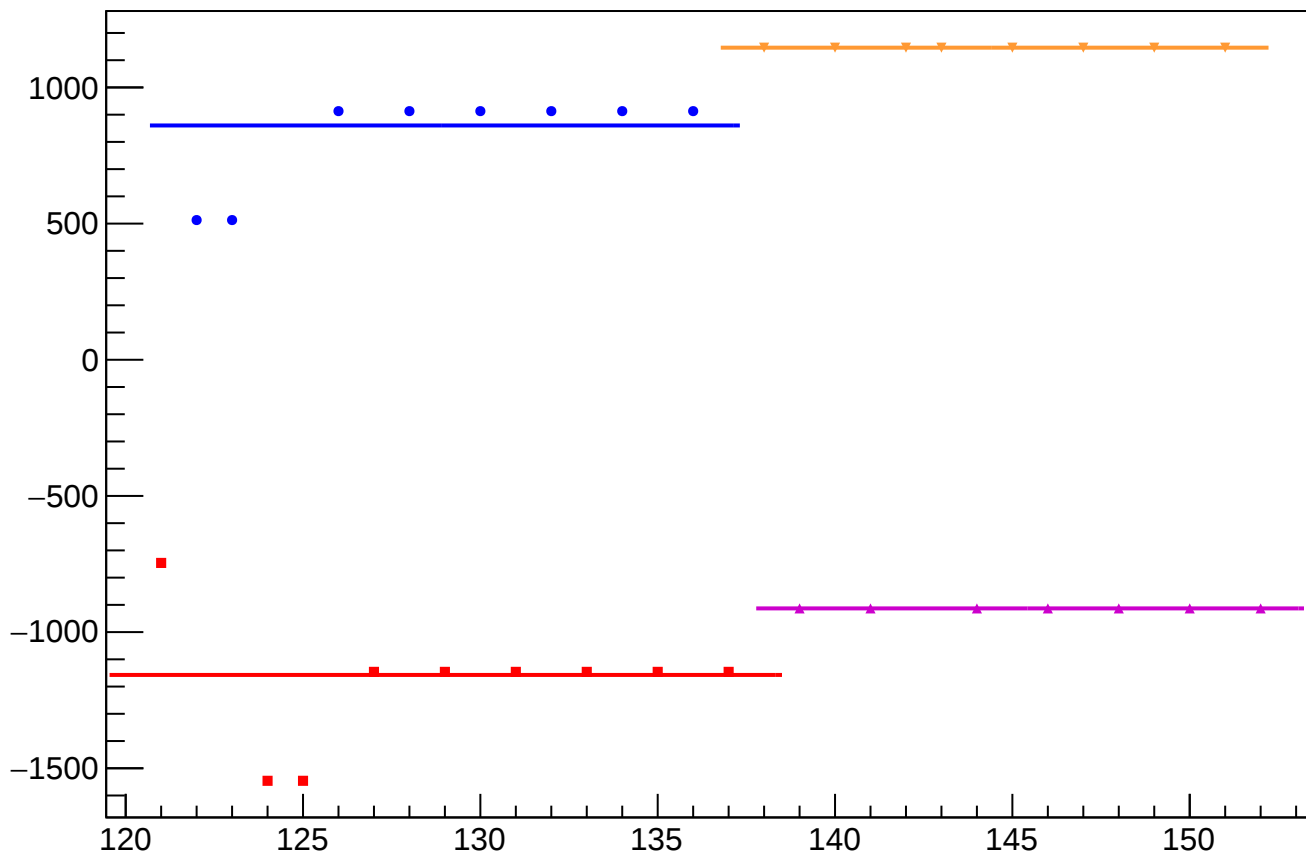
Left In: -17.009+/-0.000 χ^2/NDF : 6942.0/6

16.378+/-0.000 χ^2/NDF : 21582524271844183

-0.006+/-0.000 χ^2/NDF : 5022083287557

-16.660+/-0.000 χ^2/NDF : 20741995614033129

RTPAPOSUCNT_mean vs Slug, Sign Corrected



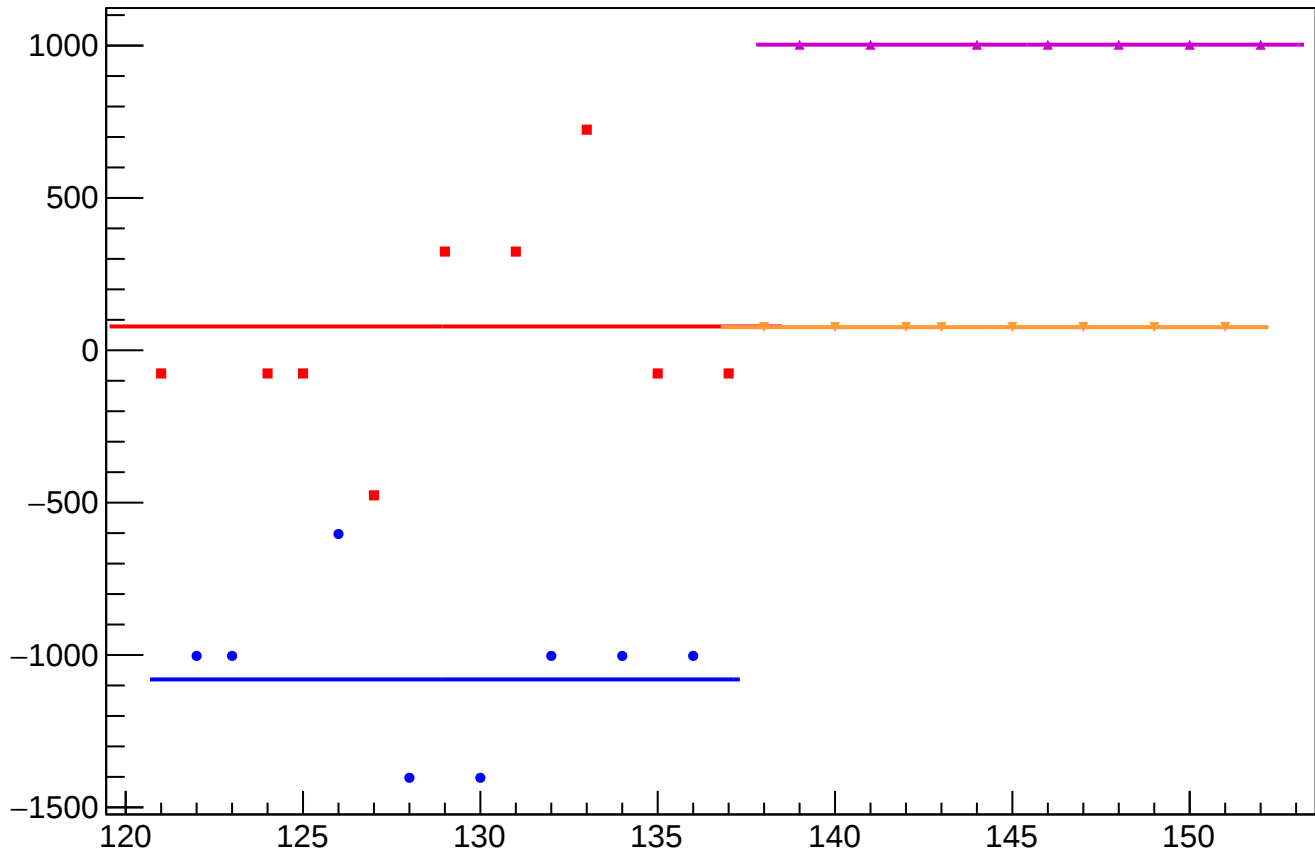
Right In: 860.361+/-0.000 χ^2/NDF : 6252693455178703850651720460594577408.0/7

Left Out: 1146.011+/-0.000 χ^2/NDF : 2126043060985532925211574272.0/7

Right Out: -1157.295+/-0.000 χ^2/NDF : 13880040120623316310083946144856014848.0/8

Left In: -912.993+/-0.000 χ^2/NDF : 9511742927343363707698675712.0/6

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: 1002.990+/-0.000 χ^2/NDF : 978701131664046532864245760.0/6