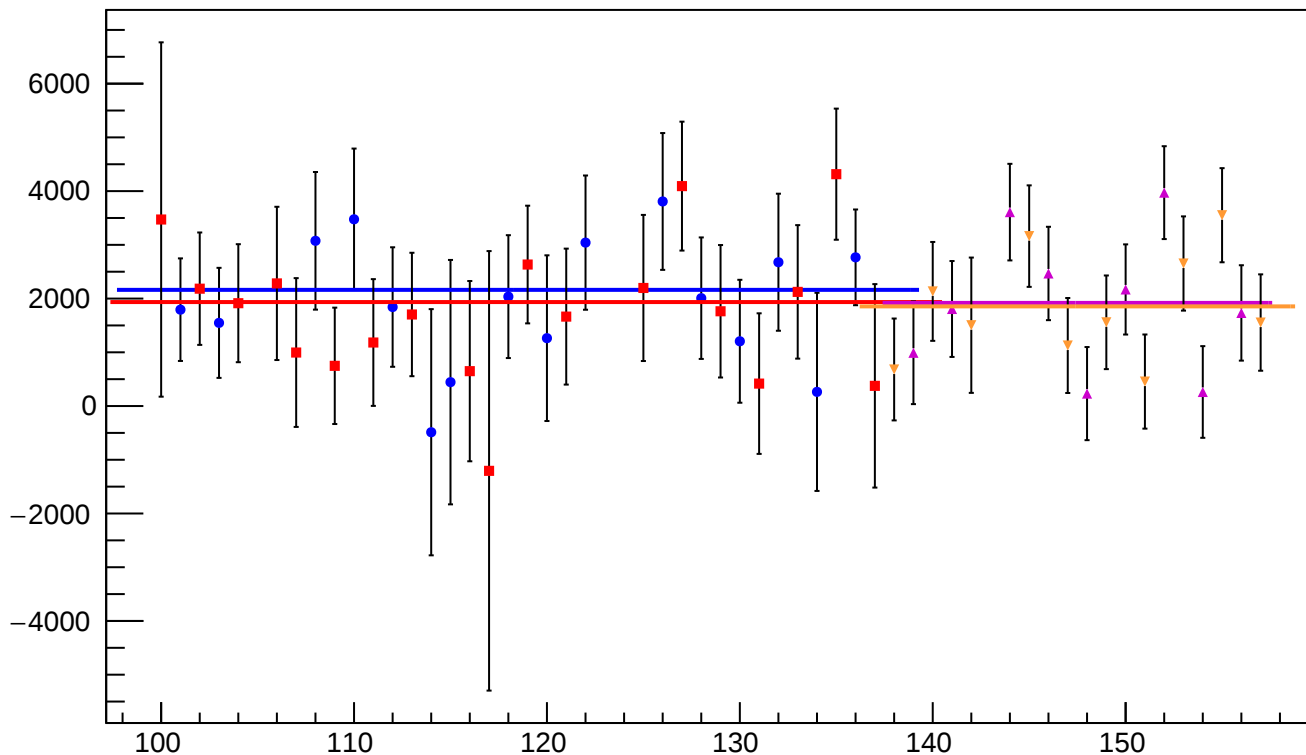


reg_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2162.311+/-307.312

χ^2/NDF : 8.9/15

Left Out: 1854.571+/-291.216

χ^2/NDF : 11.7/9

Right Out: 1935.183+/-299.773

χ^2/NDF : 13.2/18

Left In: 1919.427+/-293.016

χ^2/NDF : 18.2/8

2000.170+/-211.382

χ^2/NDF : 21.1/25

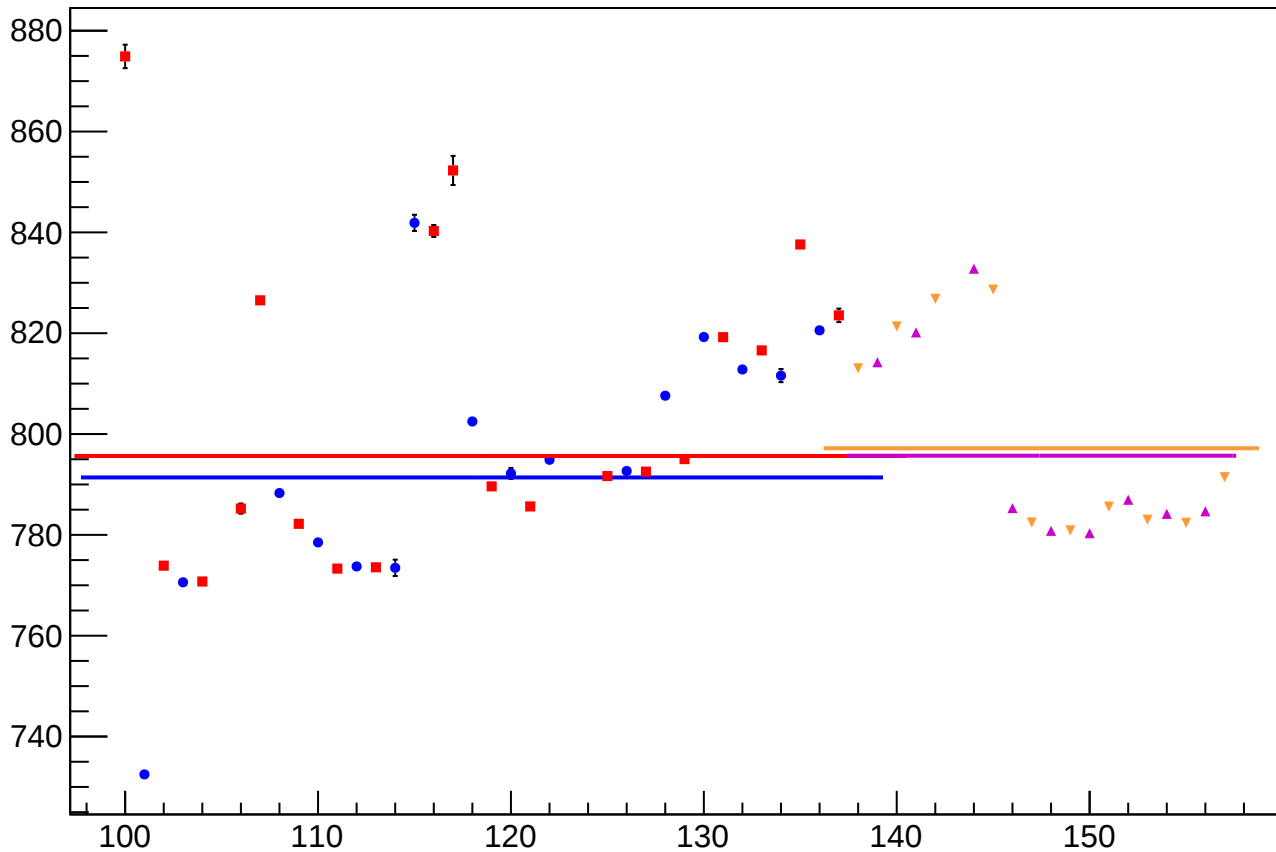
1963.328+/-148.815

χ^2/NDF : 52.6/53

1927.125+/-209.542

χ^2/NDF : 31.5/27

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

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

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

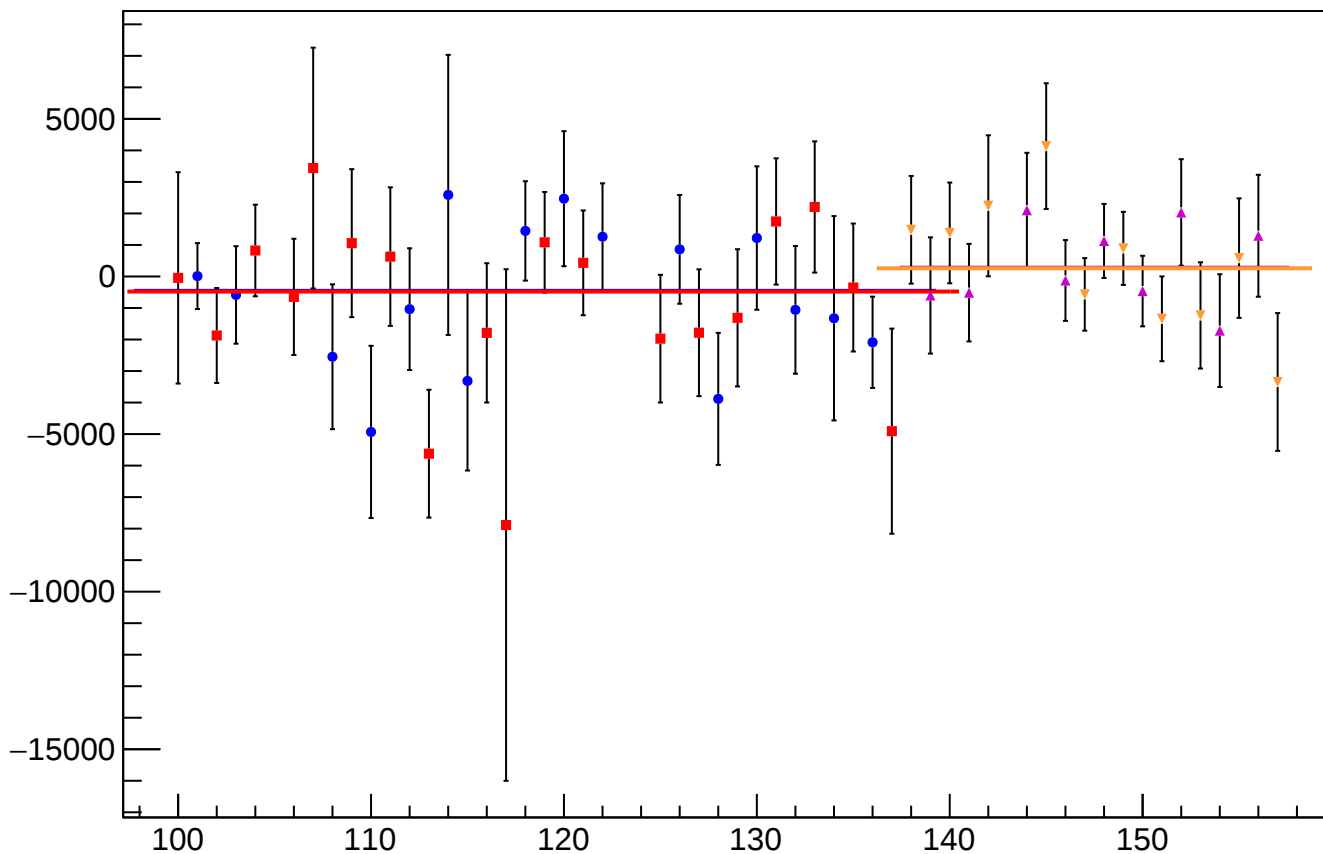
Left In: 795.700 $\pm$ 0.207 χ^2 /NDF: 8087.2/8

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

795.062 $\pm$ 0.105 χ^2 /NDF: 43492.0/53

795.676 $\pm$ 0.148 χ^2 /NDF: 20032.6/27

asym_us_avg_correction_mean vs Slug, Sign Corrected



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

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

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

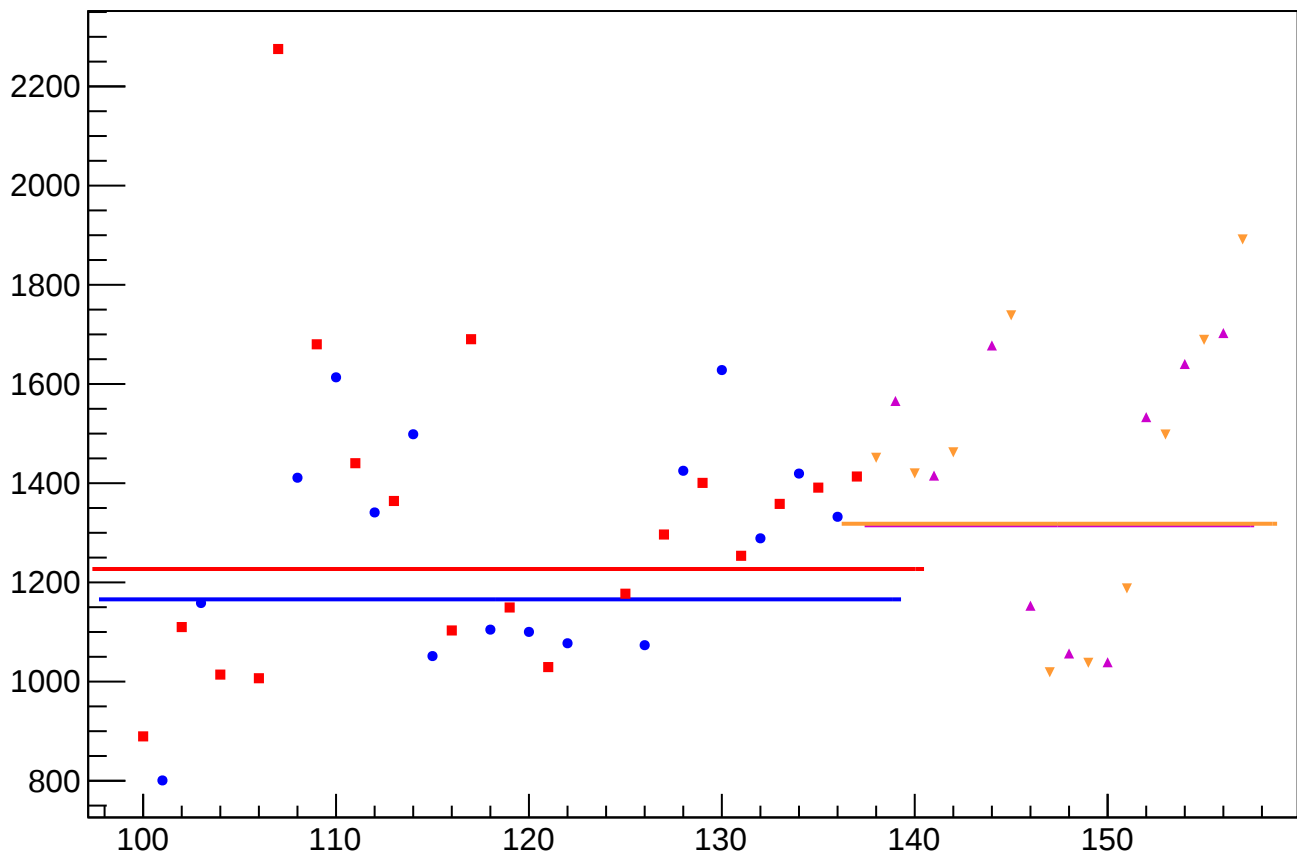
Left In: 278.029+/-495.332 χ^2/NDF : 5.2/8

-121.302+/-338.731 χ^2/NDF : 27.3/25

-119.729+/-240.558 χ^2/NDF : 51.9/53

-118.128+/-341.690 χ^2/NDF : 24.5/27

asym_us_avg_correction_rms vs Slug, Sign Corrected



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

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

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

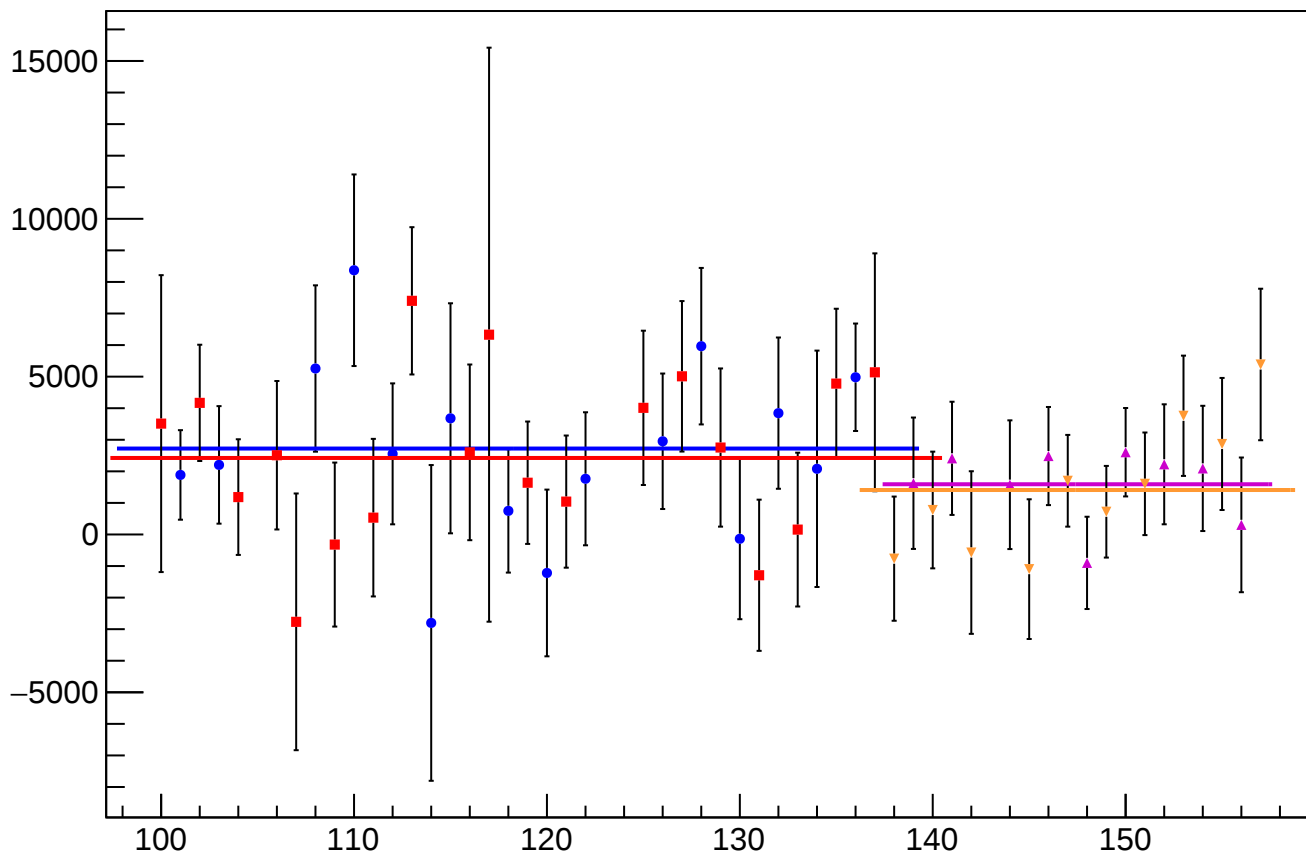
Left In: 1315.148 $\pm$ 0.350 χ^2 /NDF: 554991.0/8

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

1252.887 $\pm$ 0.170 χ^2 /NDF: 2296488.2/53

1268.956 $\pm$ 0.242 χ^2 /NDF: 1035135.2/27

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2722.309 $\pm$ 567.154 χ^2 /NDF: 14.6/15

Left Out: 1408.586 $\pm$ 586.203 χ^2 /NDF: 8.2/9

Right Out: 2423.739 $\pm$ 567.866 χ^2 /NDF: 16.5/18

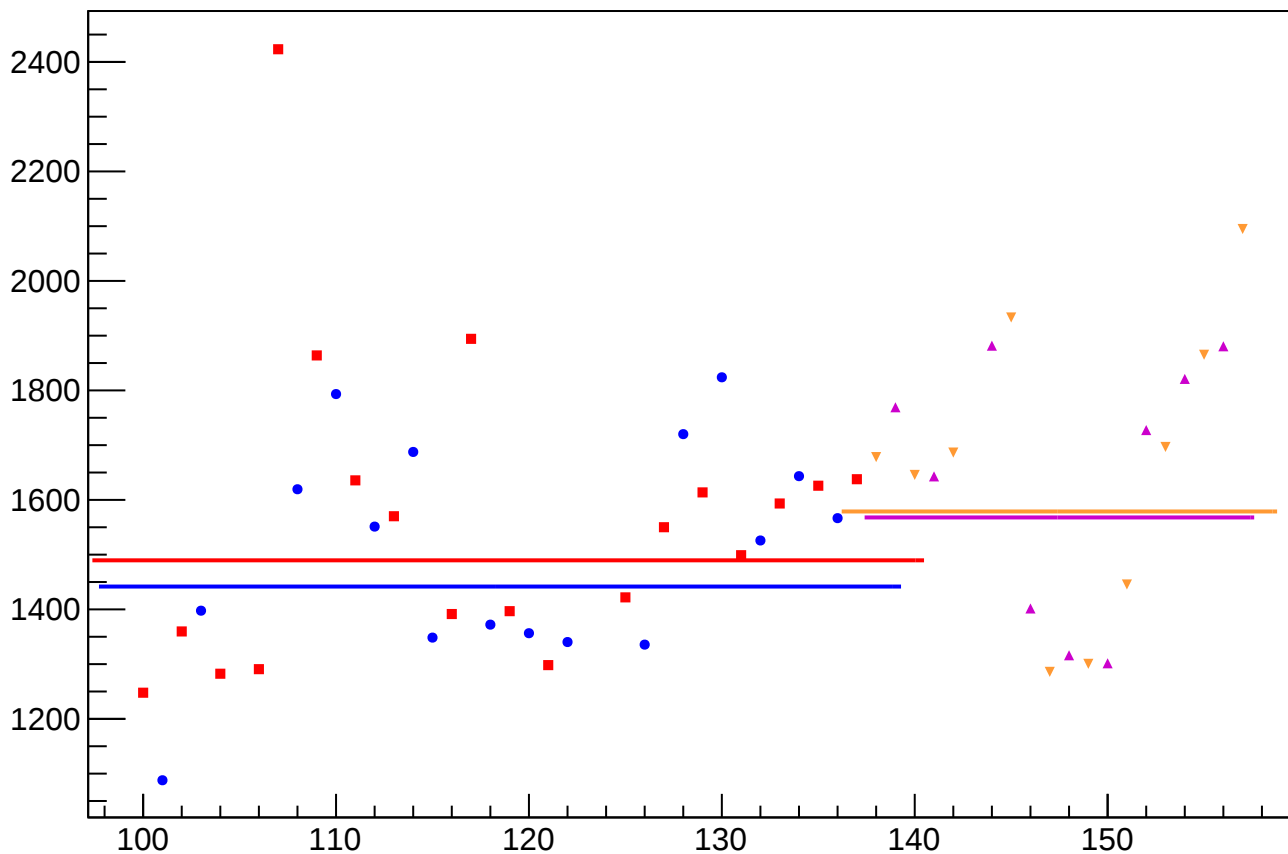
Left In: 1591.216 $\pm$ 584.713 χ^2 /NDF: 4.5/8

2087.140 $\pm$ 407.606 χ^2 /NDF: 25.4/25

2053.372 $\pm$ 288.137 χ^2 /NDF: 47.4/53

2019.643 $\pm$ 407.368 χ^2 /NDF: 22.0/27

asym_us_avg_rms vs Slug, Sign Corrected



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

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

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

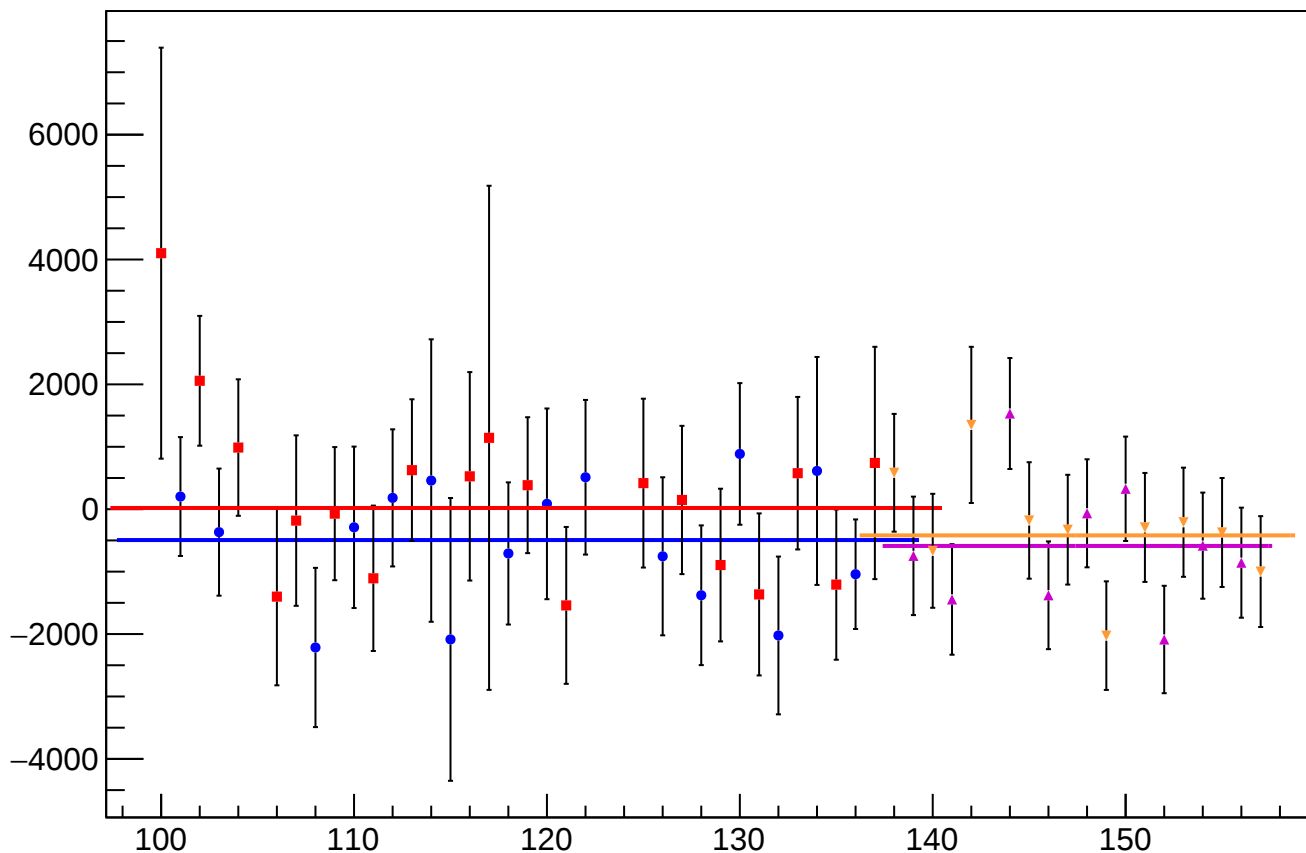
Left In: 1567.937 +/- 0.413 χ^2/NDF : 313747.4/8

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

1517.832 +/- 0.204 χ^2/NDF : 1295356.6/53

1527.629 +/- 0.288 χ^2/NDF : 592332.9/27

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

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

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

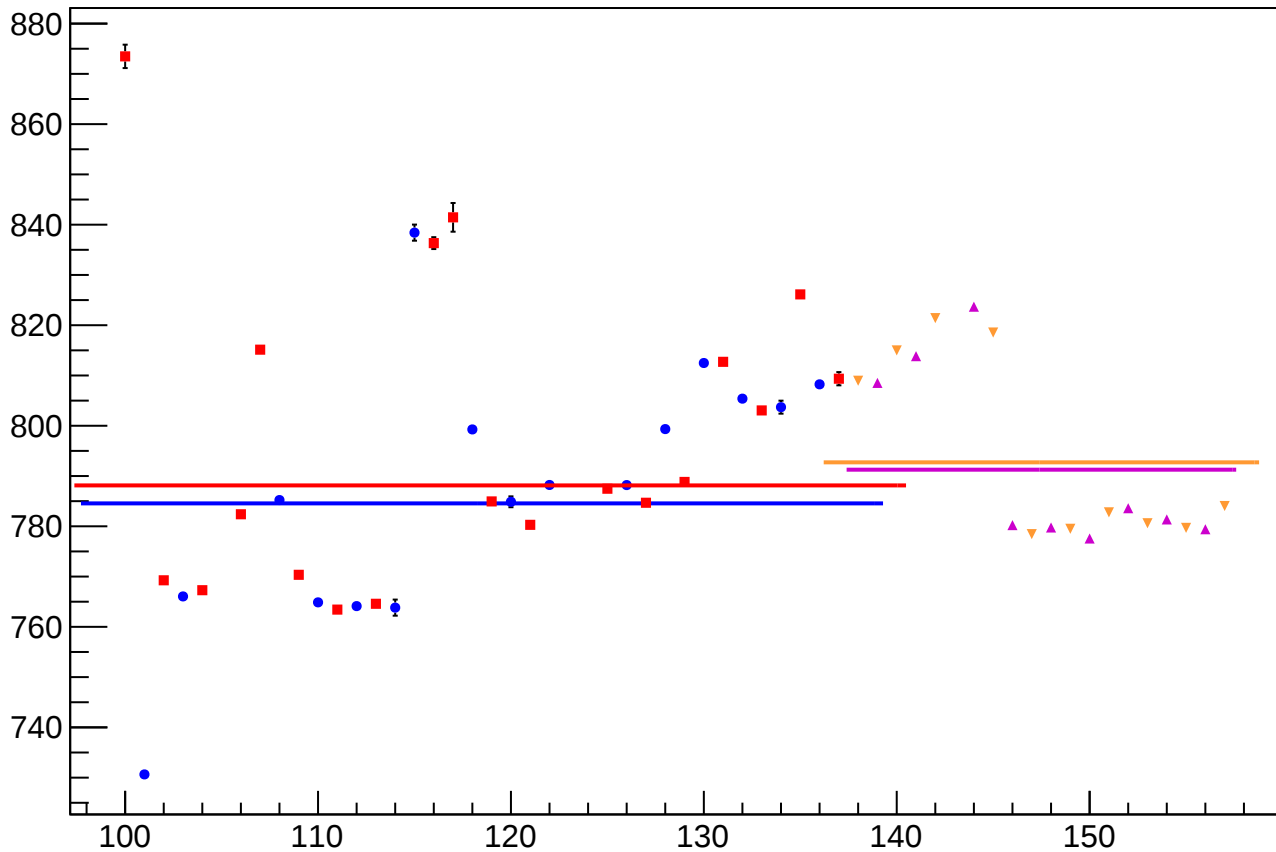
Left In: -588.517 ± 291.360 χ^2/NDF : 12.2/8

-454.839 ± 209.877 χ^2/NDF : 15.9/25

-371.769 ± 147.724 χ^2/NDF : 43.9/53

-290.205 ± 207.964 χ^2/NDF : 27.8/27

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 792.722 ± 0.205 χ^2/NDF : 6636.2/9

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

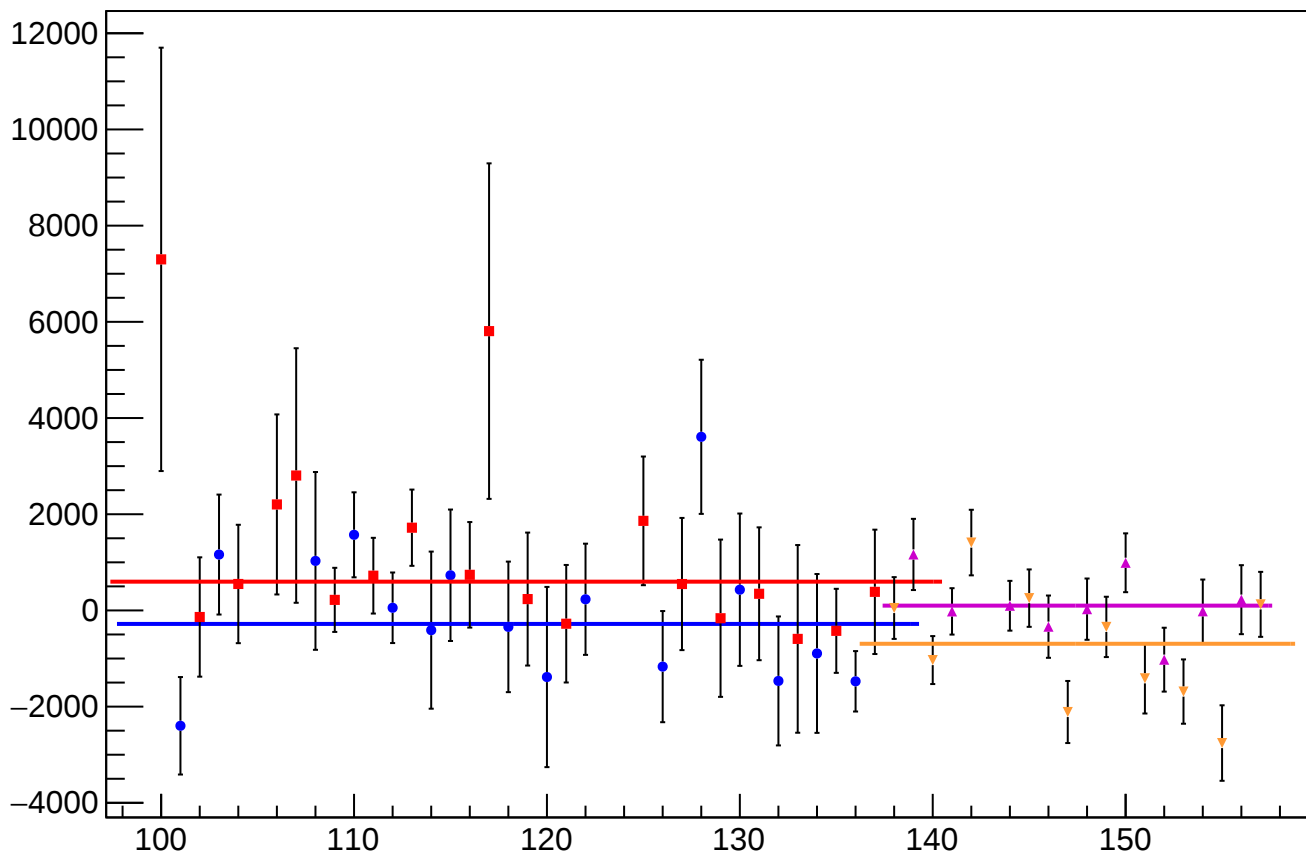
Left In: 791.261 ± 0.206 χ^2/NDF : 6629.7/8

788.847 ± 0.148 χ^2/NDF : 21068.6/25

789.291 ± 0.104 χ^2/NDF : 39088.7/53

789.727 ± 0.147 χ^2/NDF : 18002.4/27

asym_us_dd_correction_mean vs Slug, Sign Corrected



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

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

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

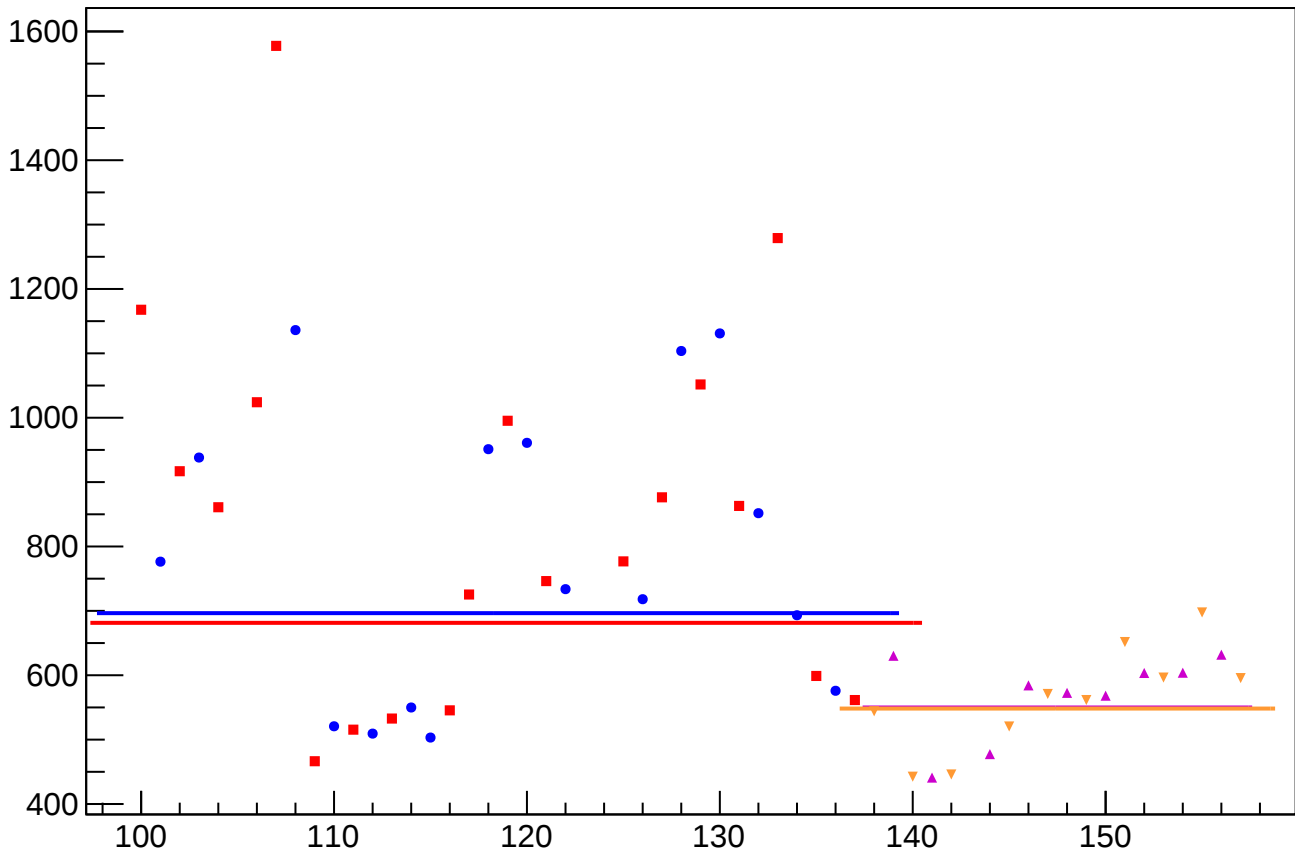
Left In: 99.732 $\pm$ 204.584 χ^2/NDF : 7.6/8

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

-133.157 $\pm$ 116.087 χ^2/NDF : 89.9/53

279.761 $\pm$ 163.510 χ^2/NDF : 22.0/27

asym_us_dd_correction_rms vs Slug, Sign Corrected



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

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

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

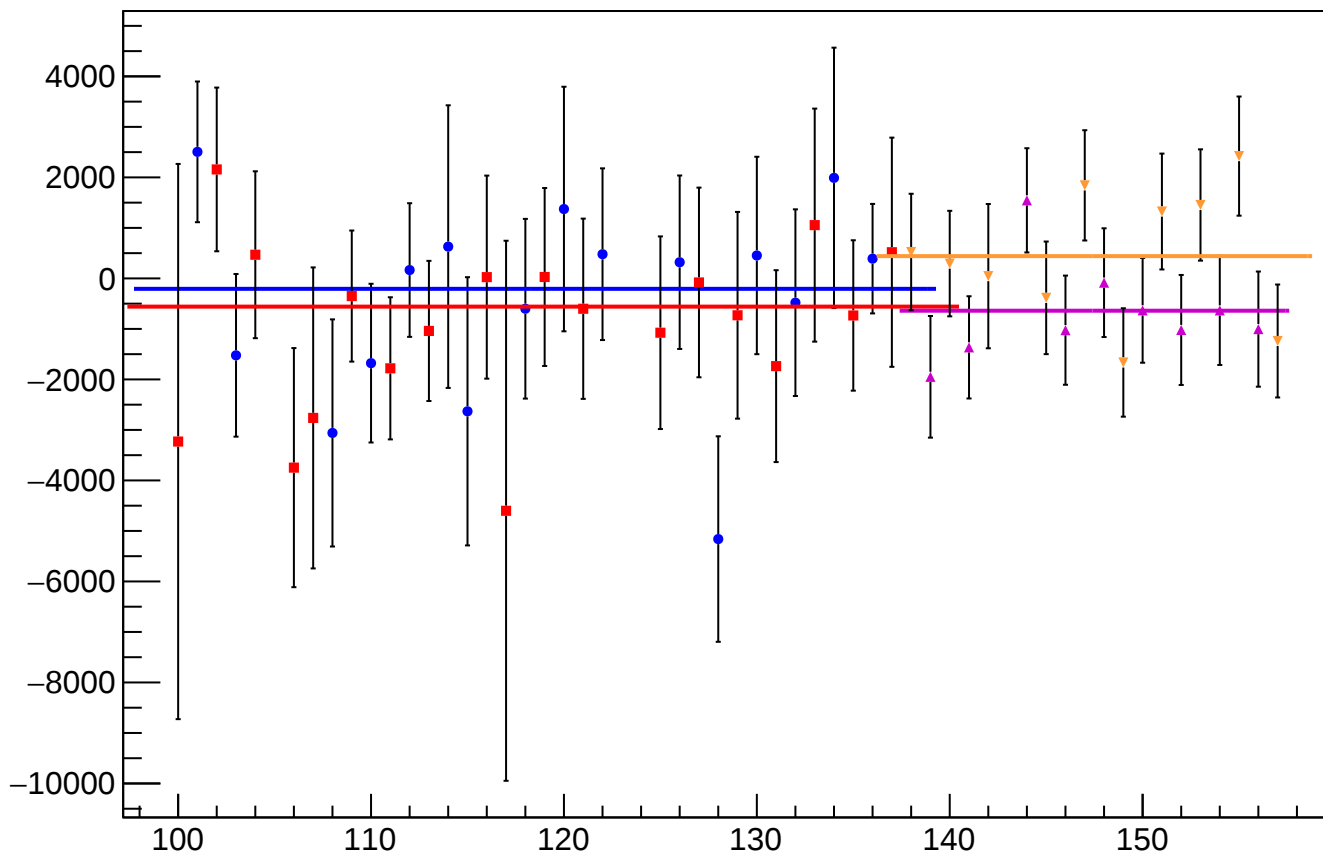
Left In: 549.945+/-0.145 χ^2/NDF : 227224.5/8

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

598.069+/-0.082 χ^2/NDF : 3476421.8/53

597.429+/-0.116 χ^2/NDF : 1878364.8/27

asym_us_dd_mean vs Slug, Sign Corrected



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

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

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

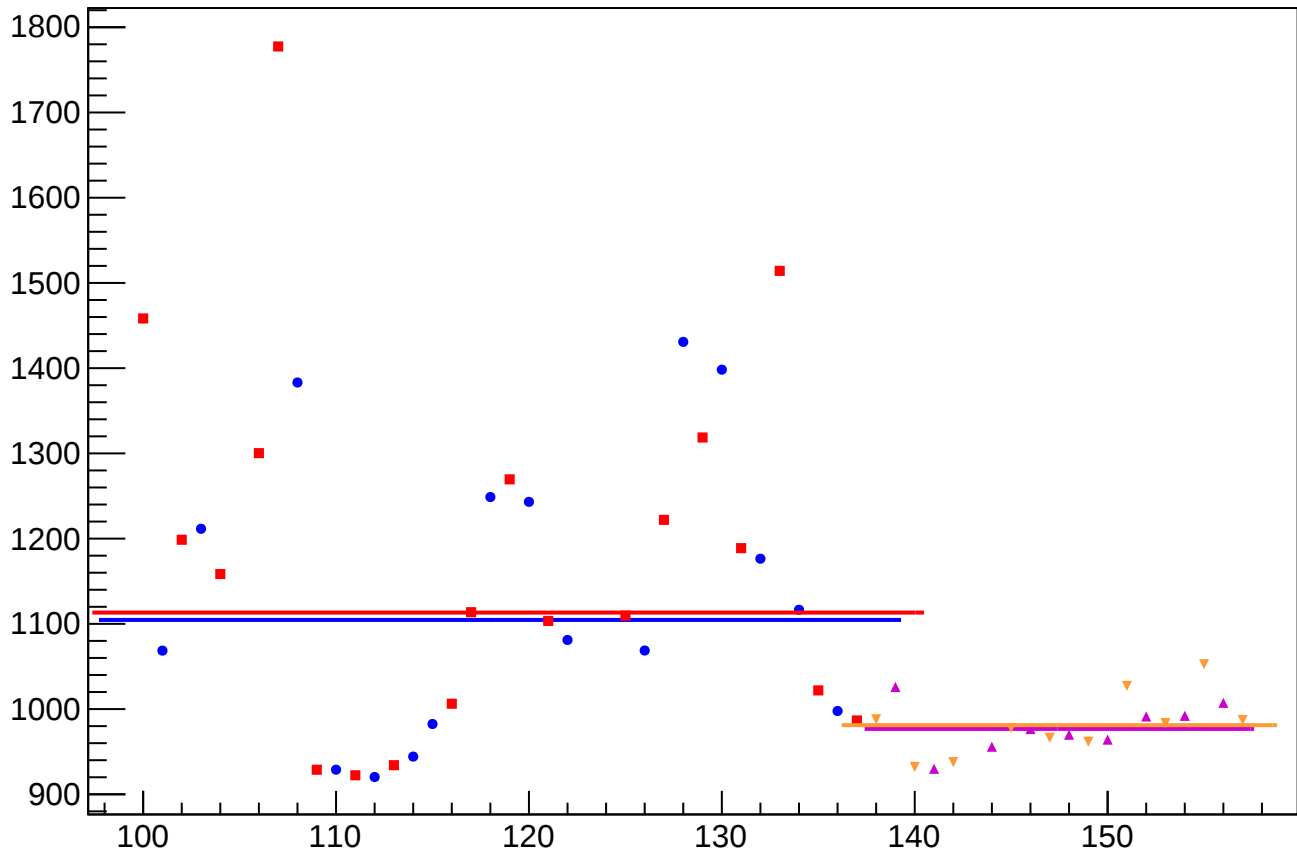
Left In: -639.635 ± 359.819 $\chi^2/\text{NDF}: 6.8/8$

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

-216.152 ± 194.891 $\chi^2/\text{NDF}: 49.3/53$

-605.888 ± 274.824 $\chi^2/\text{NDF}: 15.5/27$

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1104.596 ± 0.307 χ^2/NDF : 255488.3/15

Left Out: 981.138 ± 0.254 χ^2/NDF : 18005.1/9

Right Out: 1113.218 ± 0.301 χ^2/NDF : 362982.2/18

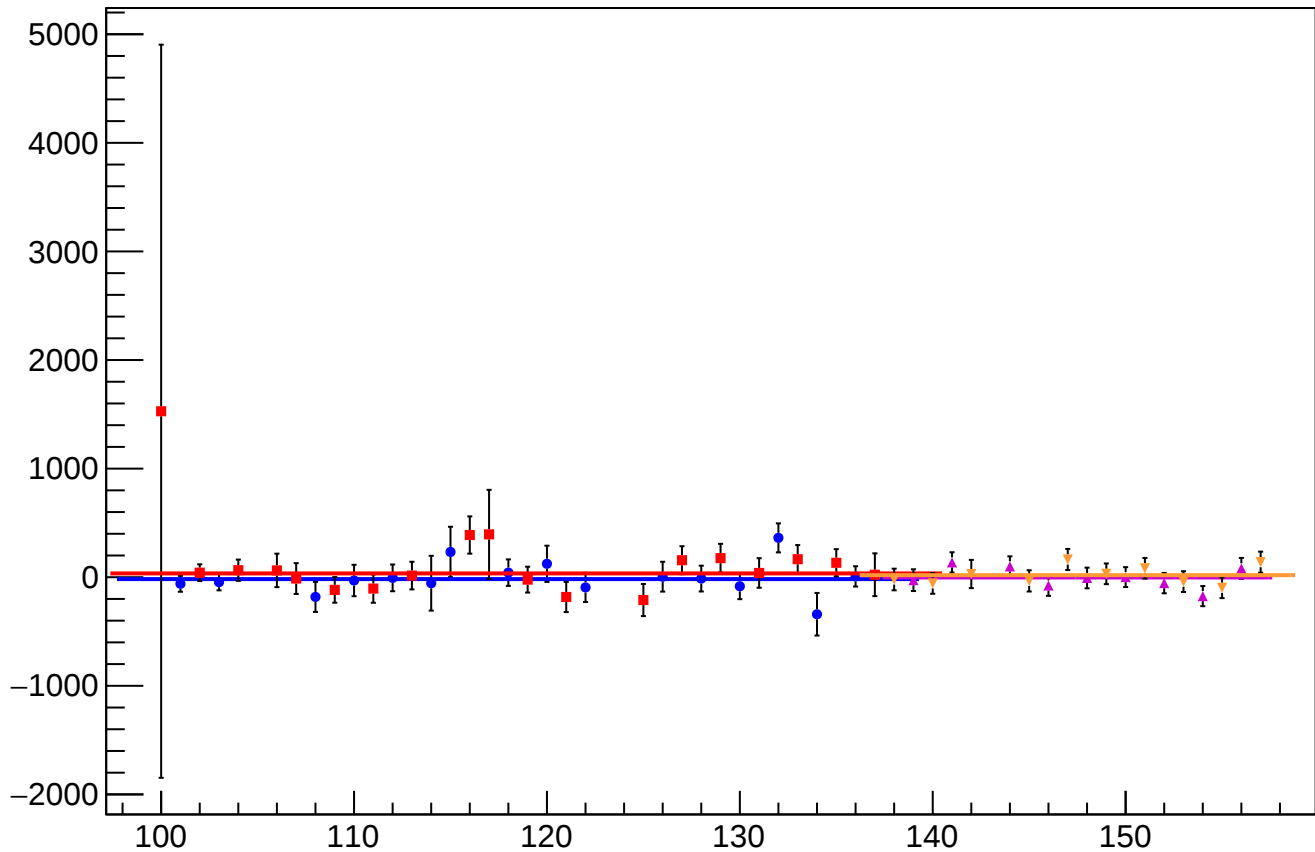
Left In: 976.731 ± 0.254 χ^2/NDF : 11020.5/8

1031.272 ± 0.195 χ^2/NDF : 369714.6/25

1032.441 ± 0.138 χ^2/NDF : 863683.3/53

1033.596 ± 0.194 χ^2/NDF : 493897.6/27

reg_asym_ds_avg_mean vs Slug, Sign Corrected



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

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

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

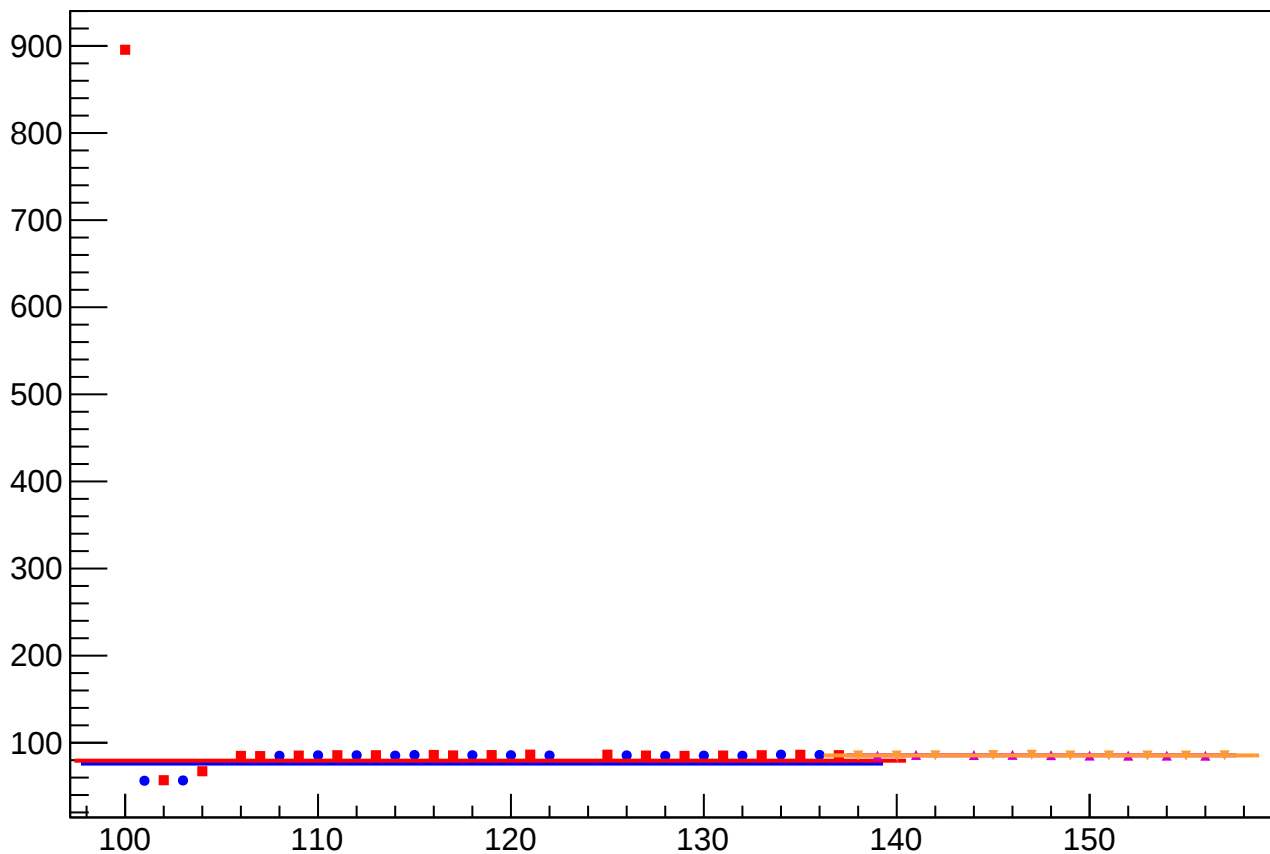
Left In: -2.317 ± 31.505 $\chi^2/\text{NDF}: 8.6/8$

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

8.438 ± 15.374 $\chi^2/\text{NDF}: 50.3/53$

16.966 ± 21.862 $\chi^2/\text{NDF}: 26.6/27$

reg_asym_ds_avg_rms vs Slug, Sign Corrected



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

Left Out: 85.454 $\pm$ 0.022 χ^2 /NDF:165.7/9

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

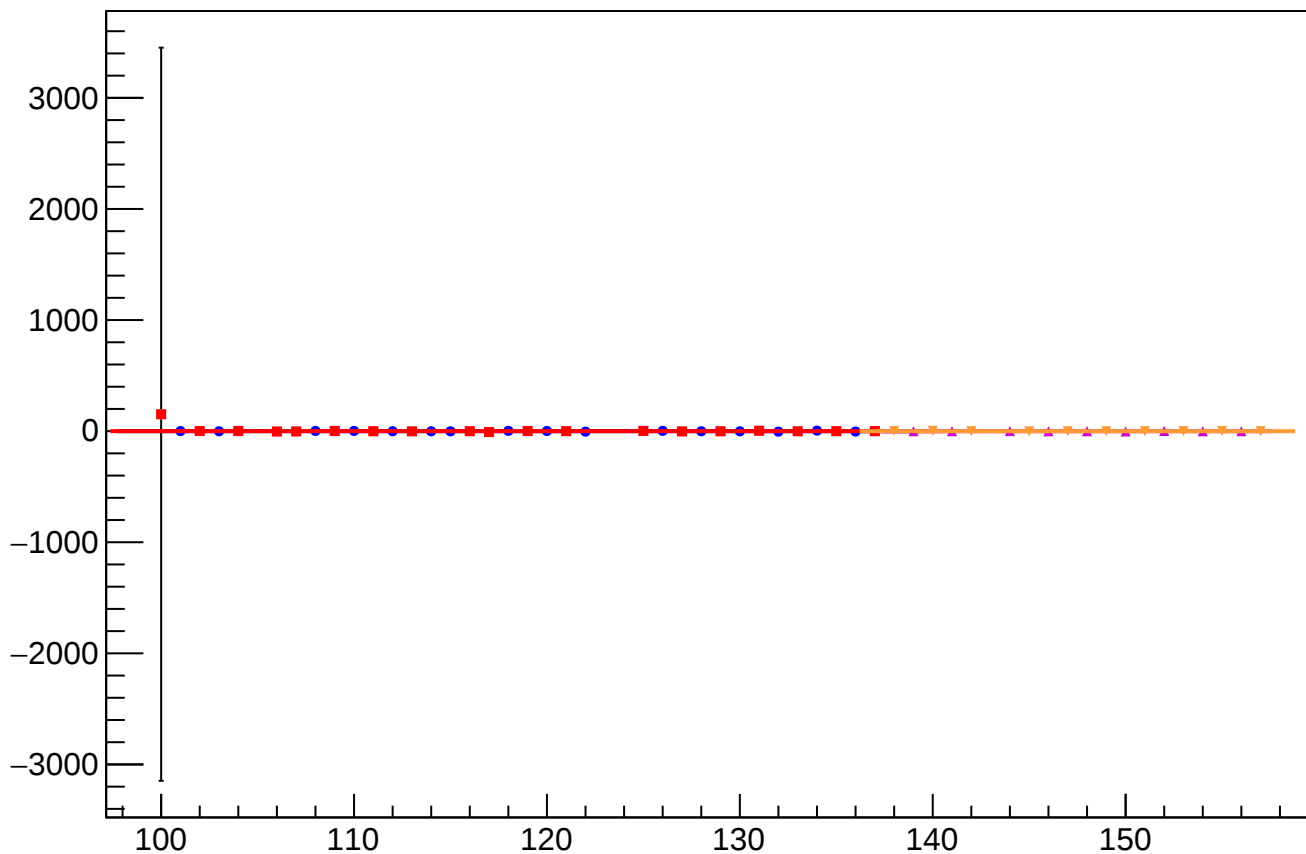
Left In: 85.577 $\pm$ 0.022 χ^2 /NDF:288.2/8

80.580 $\pm$ 0.015 χ^2 /NDF: 503172.0/25

81.473 $\pm$ 0.011 χ^2 /NDF: 928879.3/53

82.386 $\pm$ 0.015 χ^2 /NDF: 418805.7/27

asym_ds_avg_correction_mean vs Slug, Sign Corrected



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

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

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

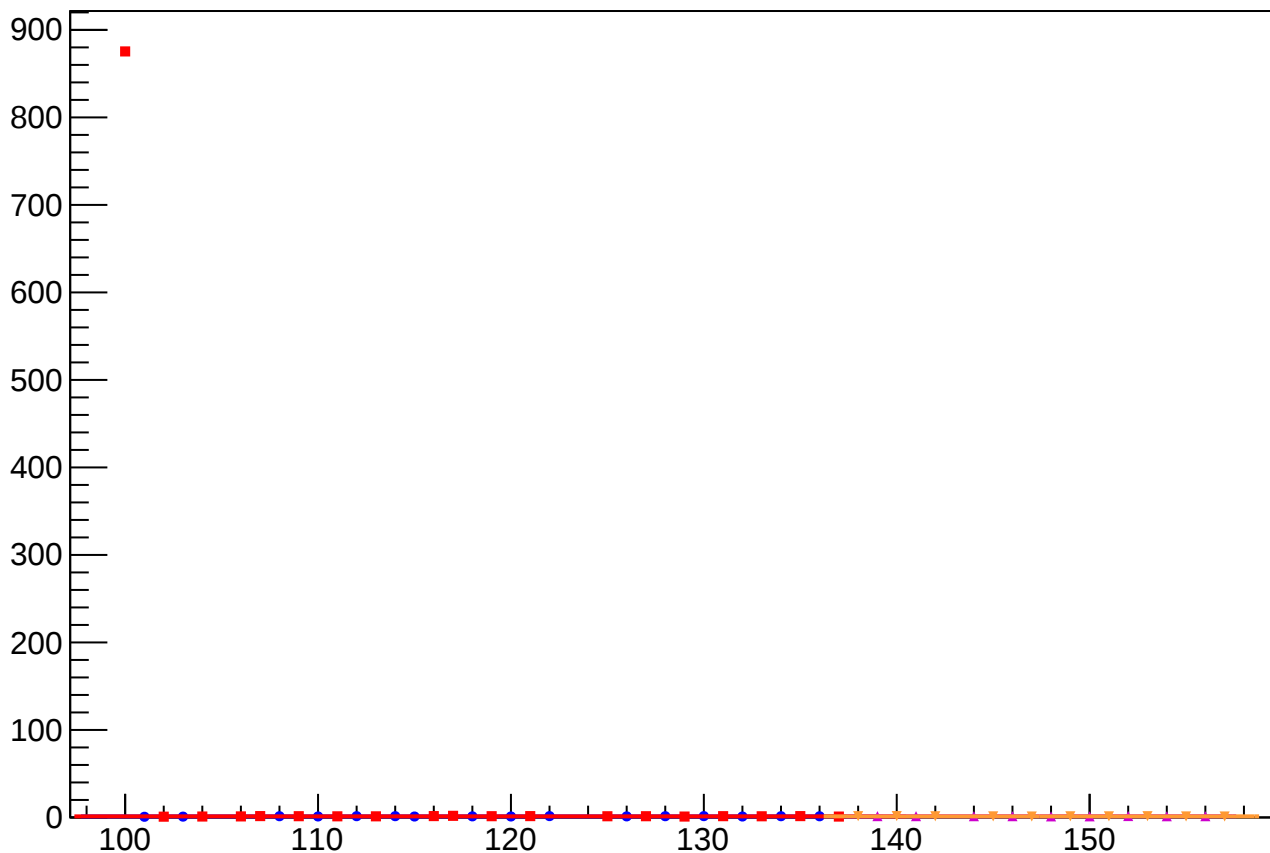
Left In: -0.353+/-0.563 χ^2/NDF : 4.9/8

-0.280+/-0.360 χ^2/NDF : 26.6/25

-0.211+/-0.262 χ^2/NDF : 41.6/53

-0.135+/-0.382 χ^2/NDF : 14.9/27

asym_ds_avg_correction_rms vs Slug, Sign Corrected



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

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

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

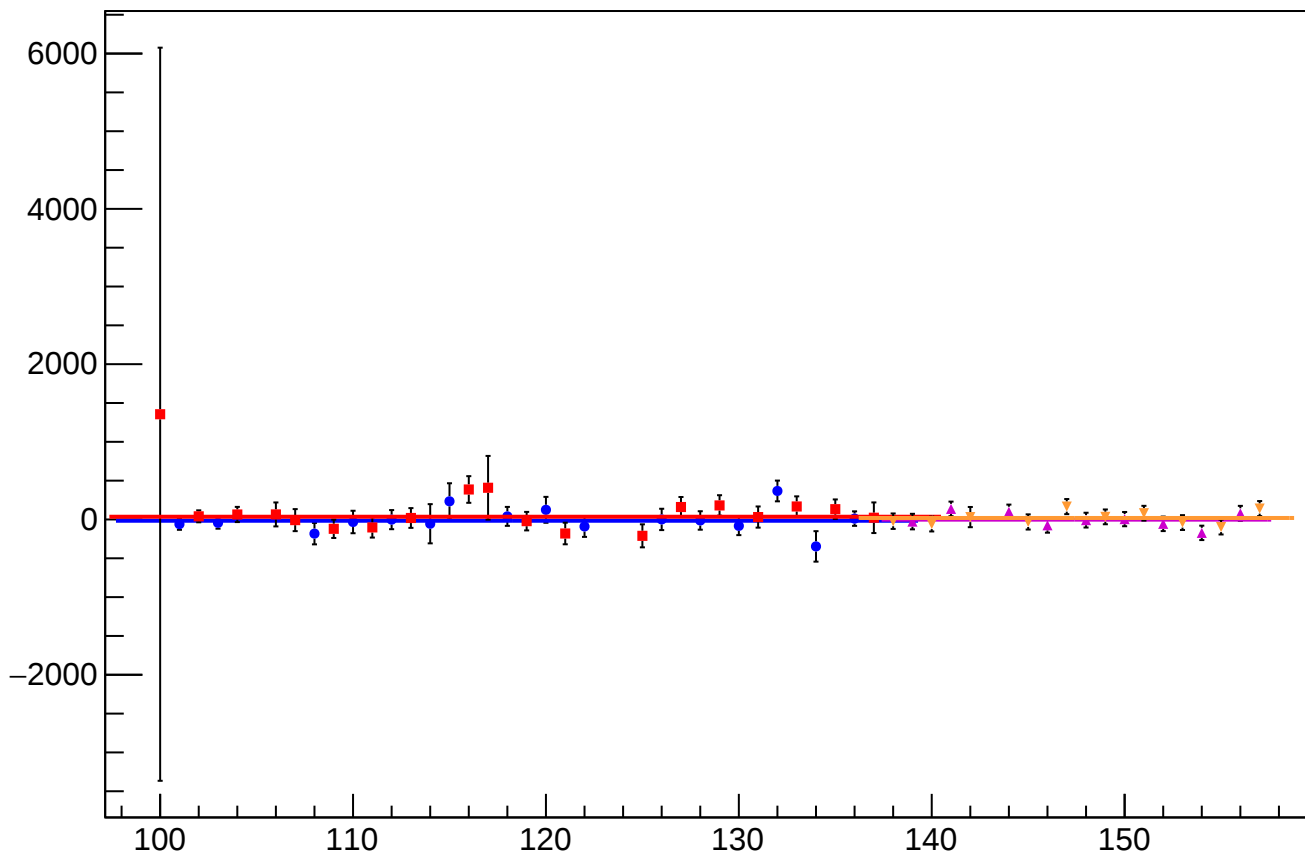
Left In: 1.416 $\pm$ 0.000 χ^2 /NDF: 74124.2/8

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

1.264 $\pm$ 0.000 χ^2 /NDF: 1529896.8/53

1.326 $\pm$ 0.000 χ^2 /NDF: 694964.4/27

asym_ds_avg_mean vs Slug, Sign Corrected



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

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

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

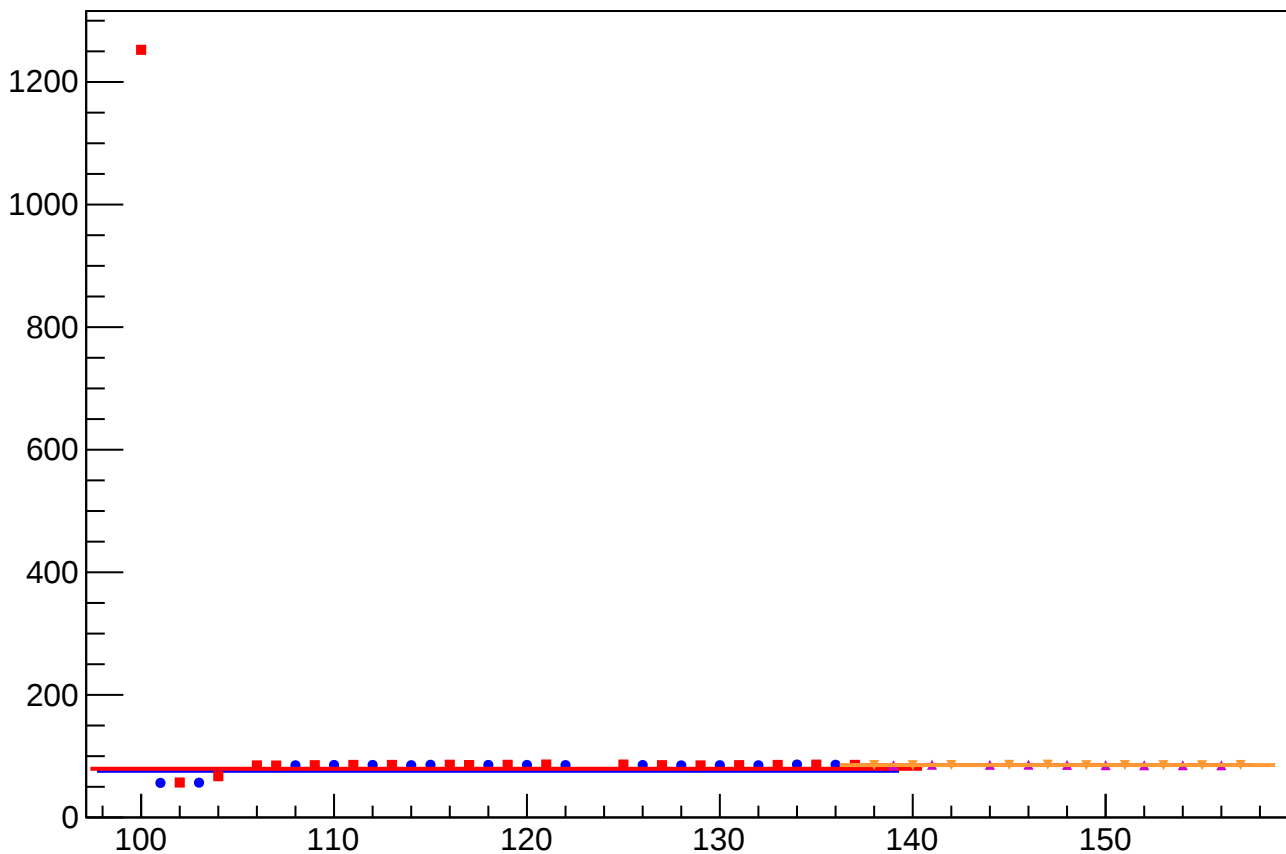
Left In: -2.234 ± 31.514 χ^2/NDF : 8.4/8

0.775 ± 21.628 χ^2/NDF : 23.8/25

8.877 ± 15.378 χ^2/NDF : 50.6/53

17.159 ± 21.869 χ^2/NDF : 26.5/27

asym_ds_avg_rms vs Slug, Sign Corrected



Right In: 76.099 $\pm$ 0.021 χ^2/NDF : 409200.9/15

Left Out: 85.476 $\pm$ 0.022 χ^2/NDF : 165.8/9

Right Out: 79.426 $\pm$ 0.021 χ^2/NDF : 385484.8/18

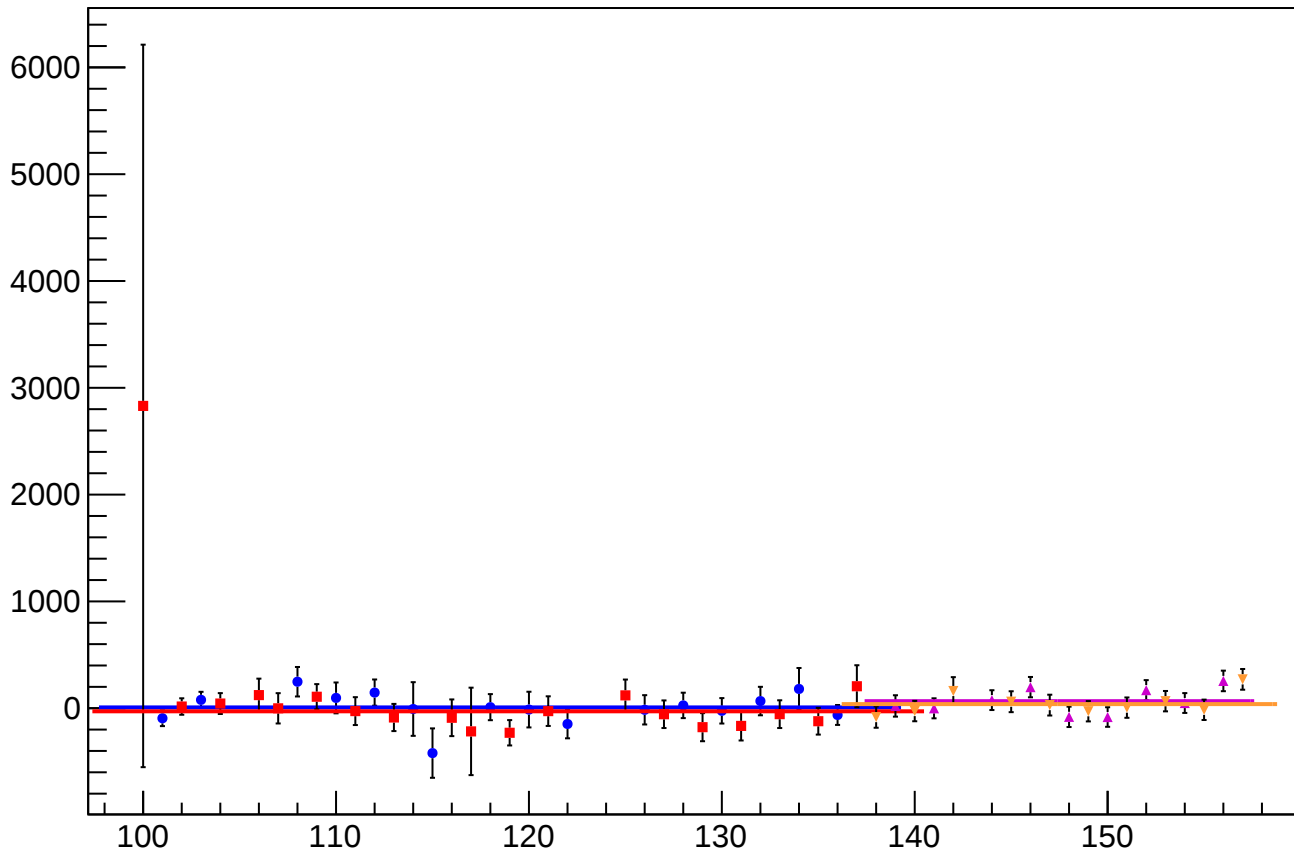
Left In: 85.600 $\pm$ 0.022 χ^2/NDF : 287.8/8

80.601 $\pm$ 0.015 χ^2/NDF : 503200.5/25

81.490 $\pm$ 0.011 χ^2/NDF : 935596.6/53

82.399 $\pm$ 0.015 χ^2/NDF : 425559.7/27

reg_asym_ds_dd_mean vs Slug, Sign Corrected



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

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

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

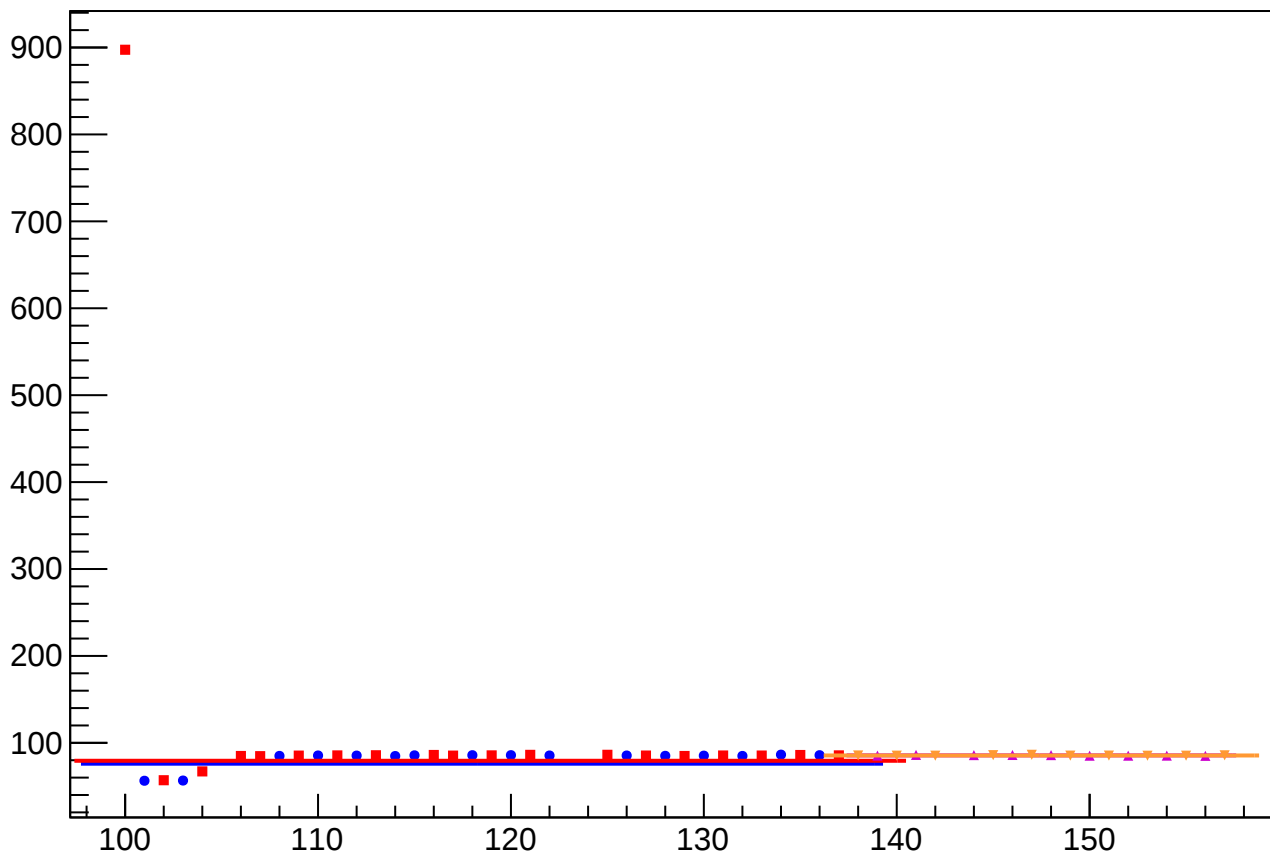
Left In: 65.964 ± 31.506 χ^2/NDF : 12.8/8

22.352 ± 21.618 χ^2/NDF : 24.1/25

19.567 ± 15.369 χ^2/NDF : 54.3/53

16.721 ± 21.856 χ^2/NDF : 30.2/27

reg_asym_ds_dd_rms vs Slug, Sign Corrected



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

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

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

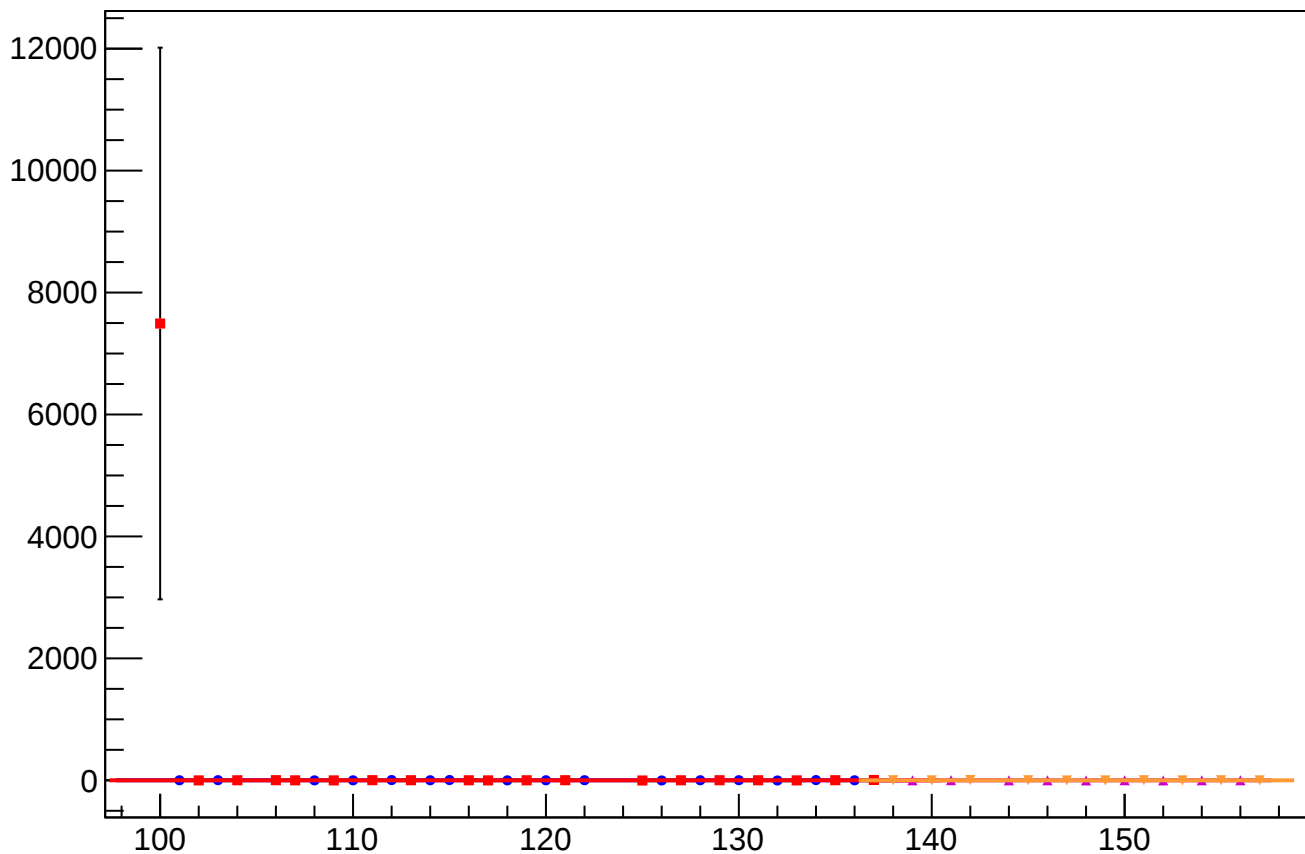
Left In: 85.577 $\pm$ 0.022 χ^2 /NDF: 311.9/8

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

81.450 $\pm$ 0.011 χ^2 /NDF: 930515.8/53

82.359 $\pm$ 0.015 χ^2 /NDF: 419318.2/27

asym_ds_dd_correction_mean vs Slug, Sign Corrected



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

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

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

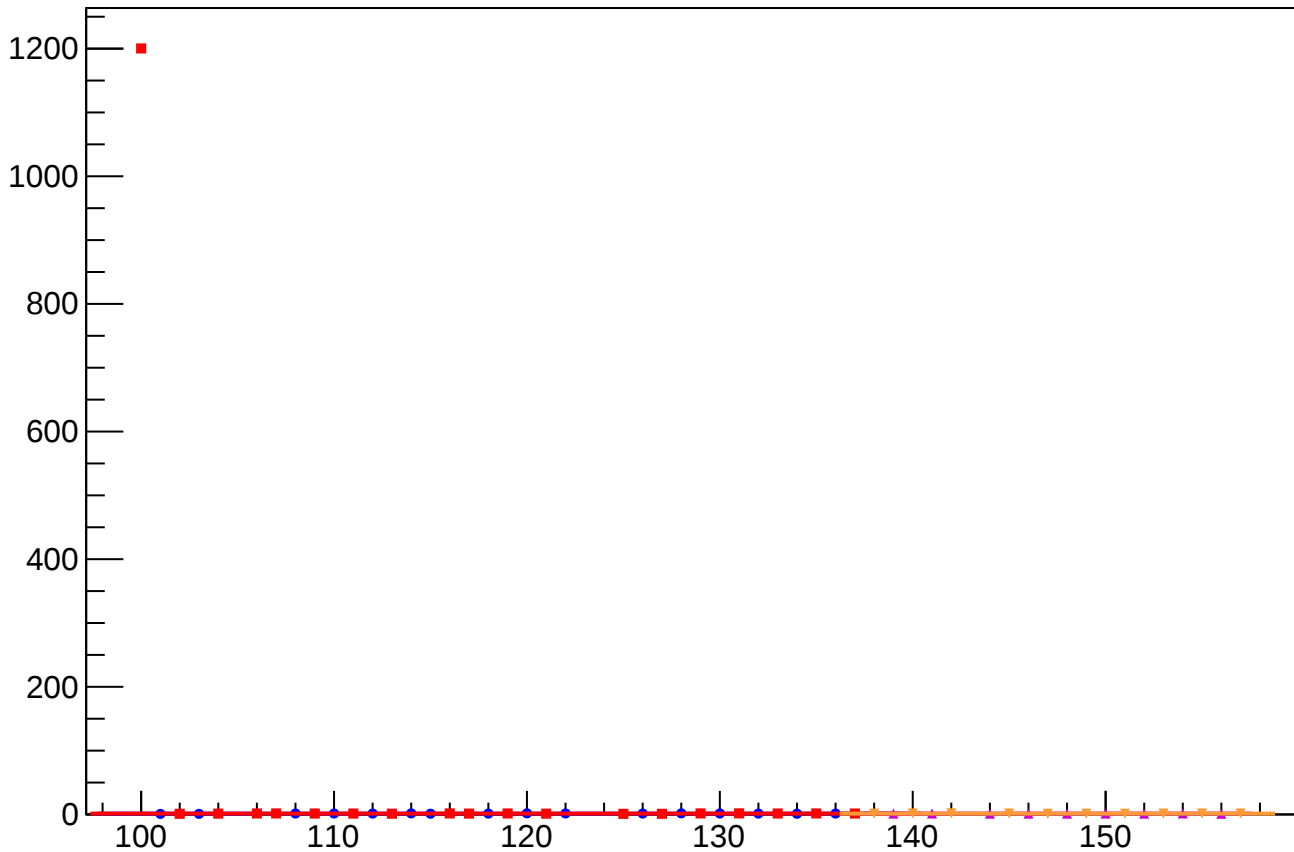
Left In: 0.116 ± 0.542 χ^2/NDF : 4.9/8

0.301 ± 0.375 χ^2/NDF : 22.6/25

0.256 ± 0.269 χ^2/NDF : 40.2/53

0.209 ± 0.385 χ^2/NDF : 17.6/27

asym_ds_dd_correction_rms vs Slug, Sign Corrected



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

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

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

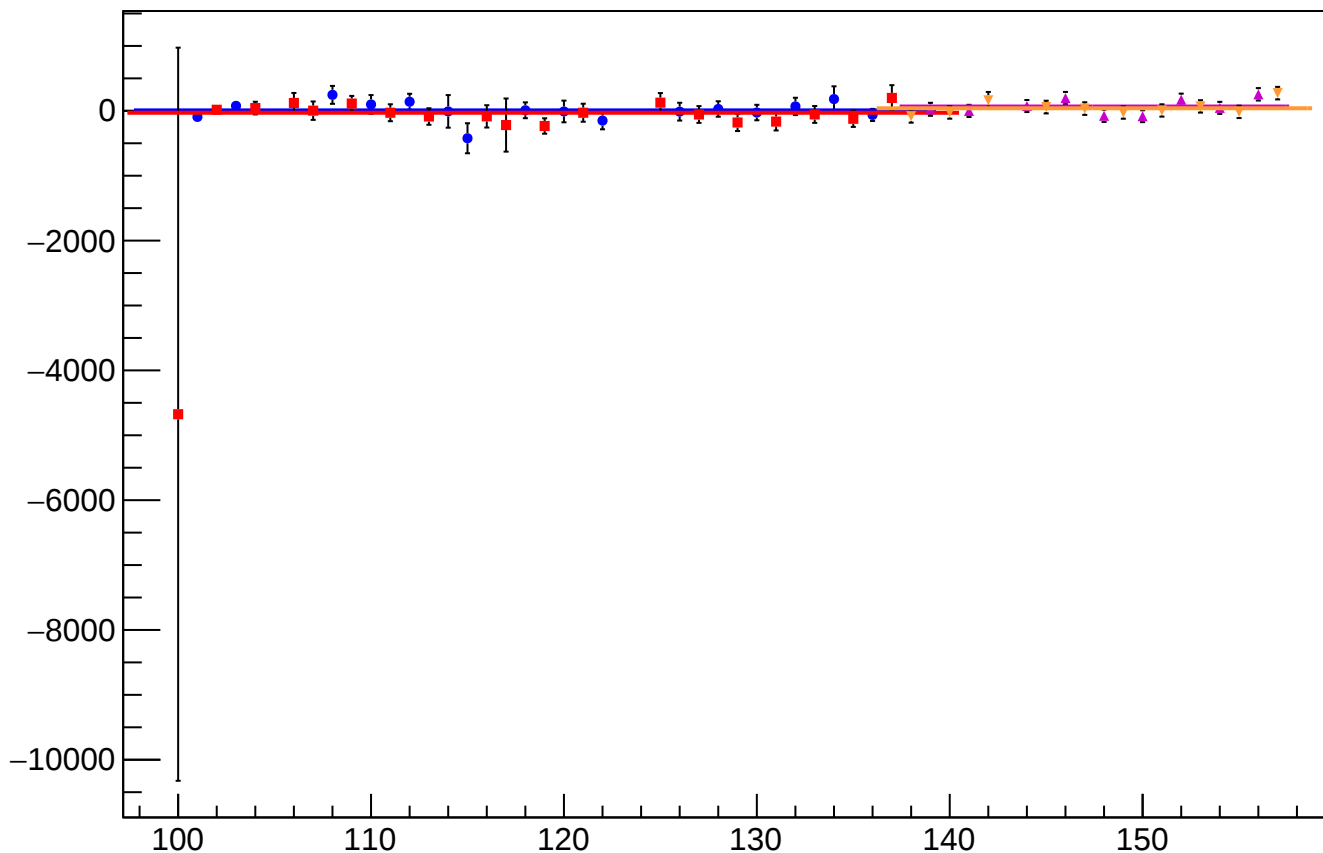
Left In: 1.345 $\pm$ 0.000 χ^2 /NDF:146698.5/8

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

1.304 $\pm$ 0.000 χ^2 /NDF: 1590063.1/53

1.331 $\pm$ 0.000 χ^2 /NDF: 670832.0/27

asym_ds_dd_mean vs Slug, Sign Corrected



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

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

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

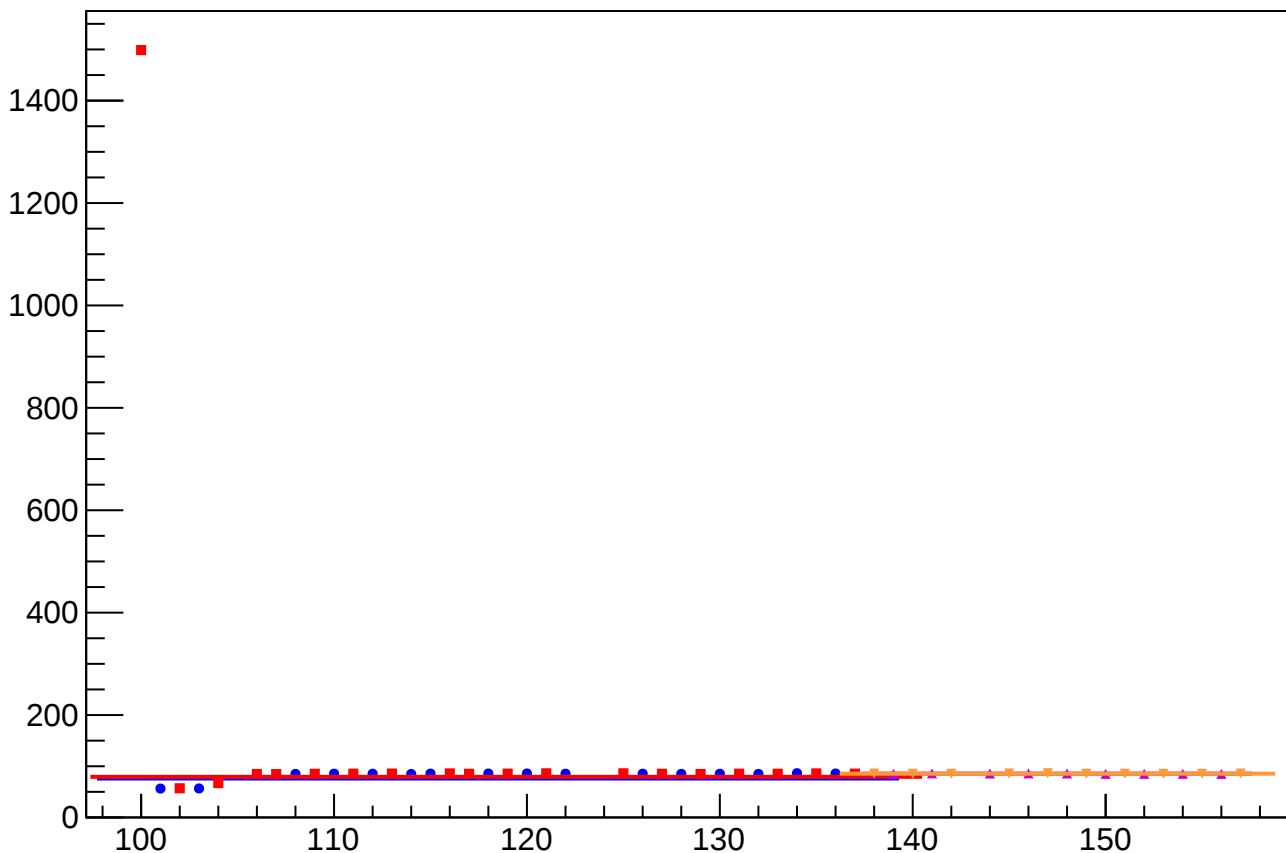
Left In: 66.133 ± 31.514 χ^2/NDF : 12.6/8

22.396 ± 21.623 χ^2/NDF : 24.1/25

19.466 ± 15.374 χ^2/NDF : 54.4/53

16.471 ± 21.862 χ^2/NDF : 30.2/27

asym_ds_dd_rms vs Slug, Sign Corrected



Right In: 76.052 ± 0.021 $\chi^2/\text{NDF}: 408962.1/15$

Left Out: 85.495 ± 0.022 $\chi^2/\text{NDF}: 225.9/9$

Right Out: 79.371 ± 0.021 $\chi^2/\text{NDF}: 388057.0/18$

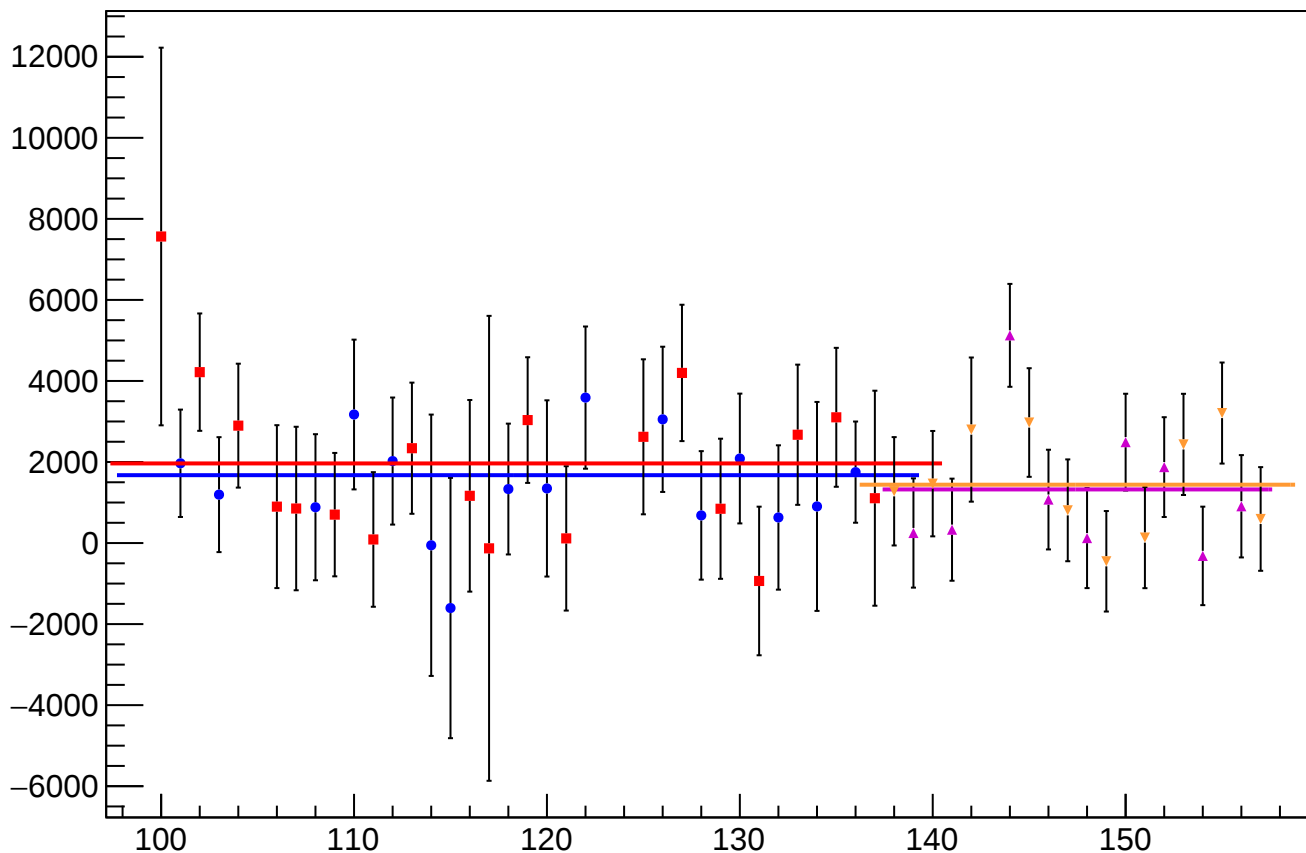
Left In: 85.600 ± 0.022 $\chi^2/\text{NDF}: 312.0/8$

80.582 ± 0.015 $\chi^2/\text{NDF}: 504375.4/25$

81.465 ± 0.011 $\chi^2/\text{NDF}: 940023.8/53$

82.369 ± 0.015 $\chi^2/\text{NDF}: 428894.3/27$

reg_asym_usl_mean vs Slug, Sign Corrected



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

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

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

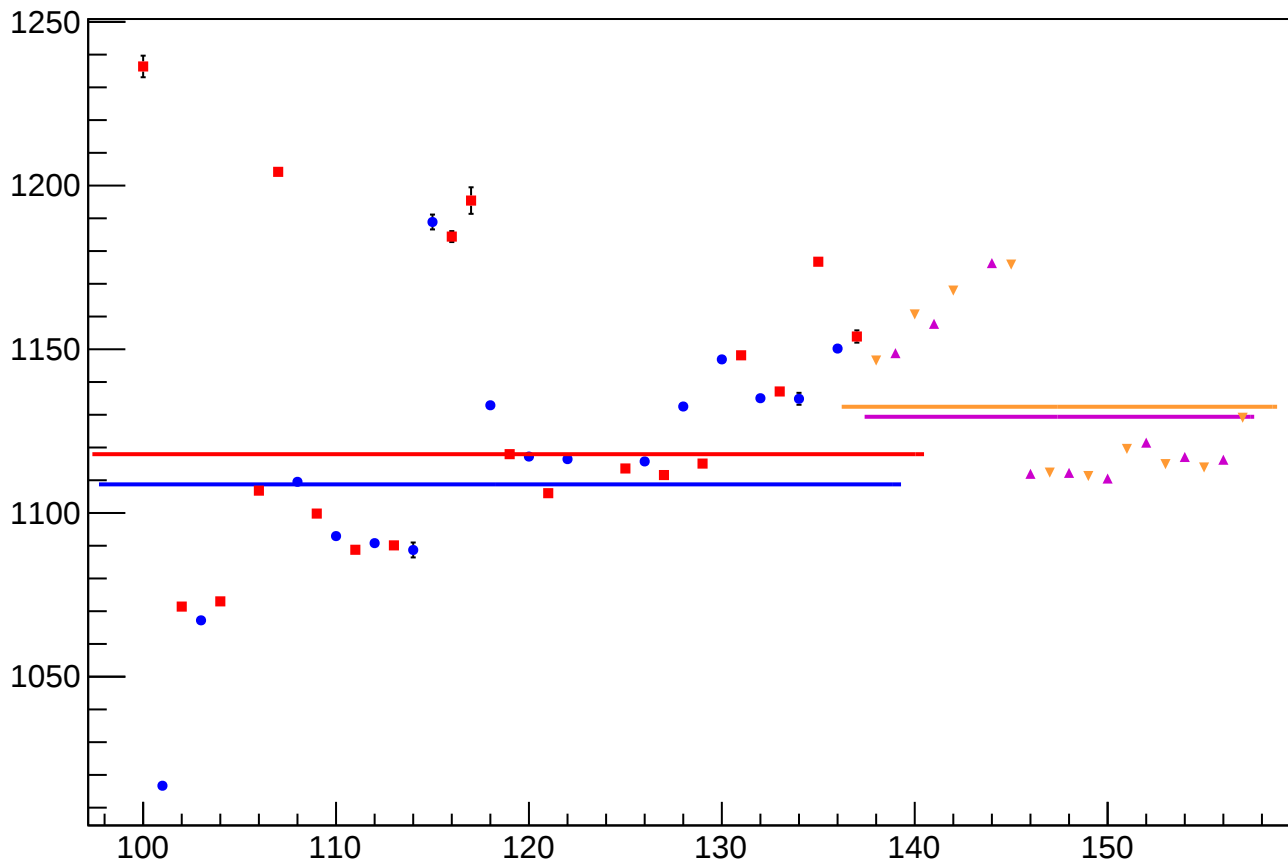
Left In: 1322.958 $\pm$ 415.860 χ^2 /NDF: 14.3/8

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

1596.626 $\pm$ 210.096 χ^2 /NDF: 43.6/53

1639.803 $\pm$ 295.950 χ^2 /NDF: 29.6/27

reg_asym_usl_rms vs Slug, Sign Corrected



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

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

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

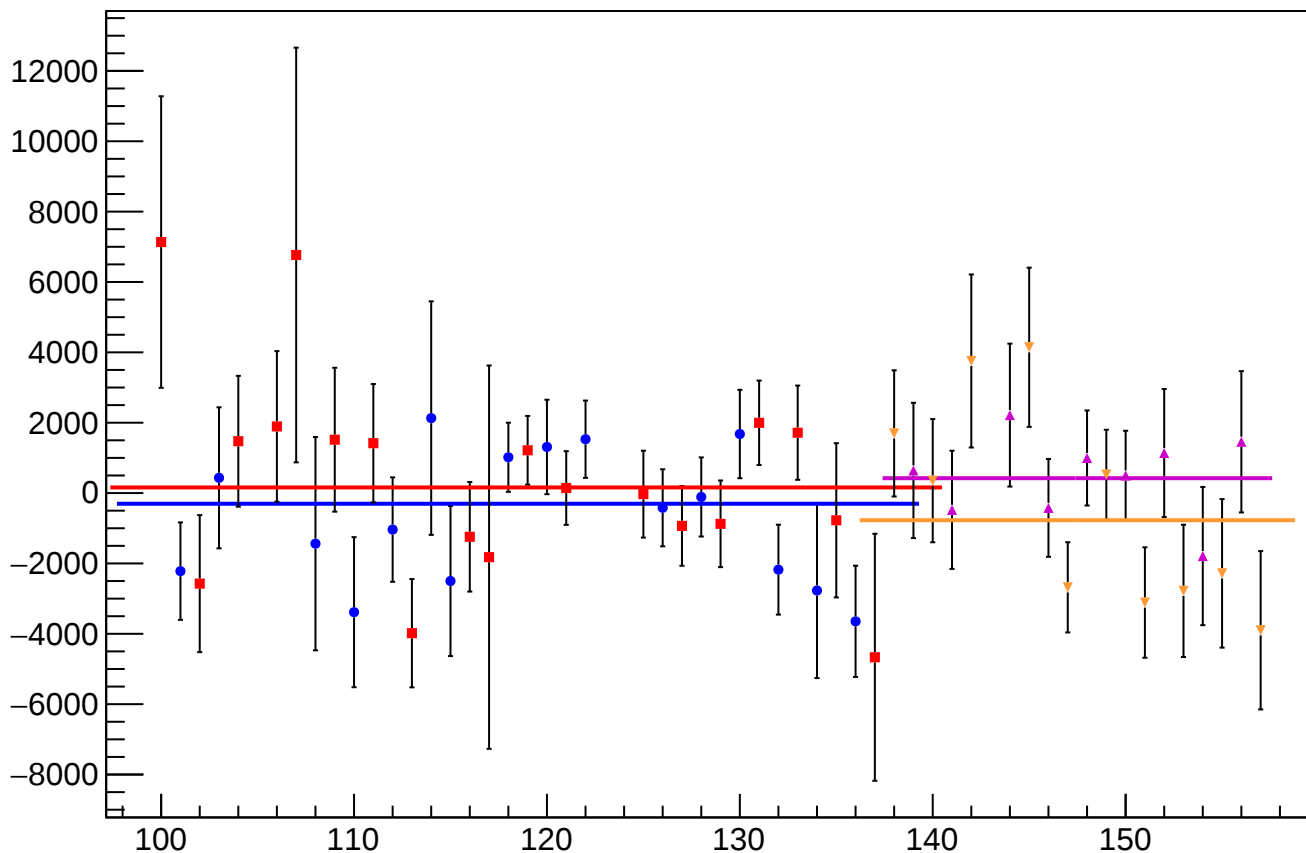
Left In: 1129.385 $\pm$ 0.294 χ^2 /NDF: 5952.1/8

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

1122.417 $\pm$ 0.149 χ^2 /NDF: 50109.3/53

1123.746 $\pm$ 0.209 χ^2 /NDF: 22579.1/27

asym_usl_correction_mean vs Slug, Sign Corrected



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

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

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

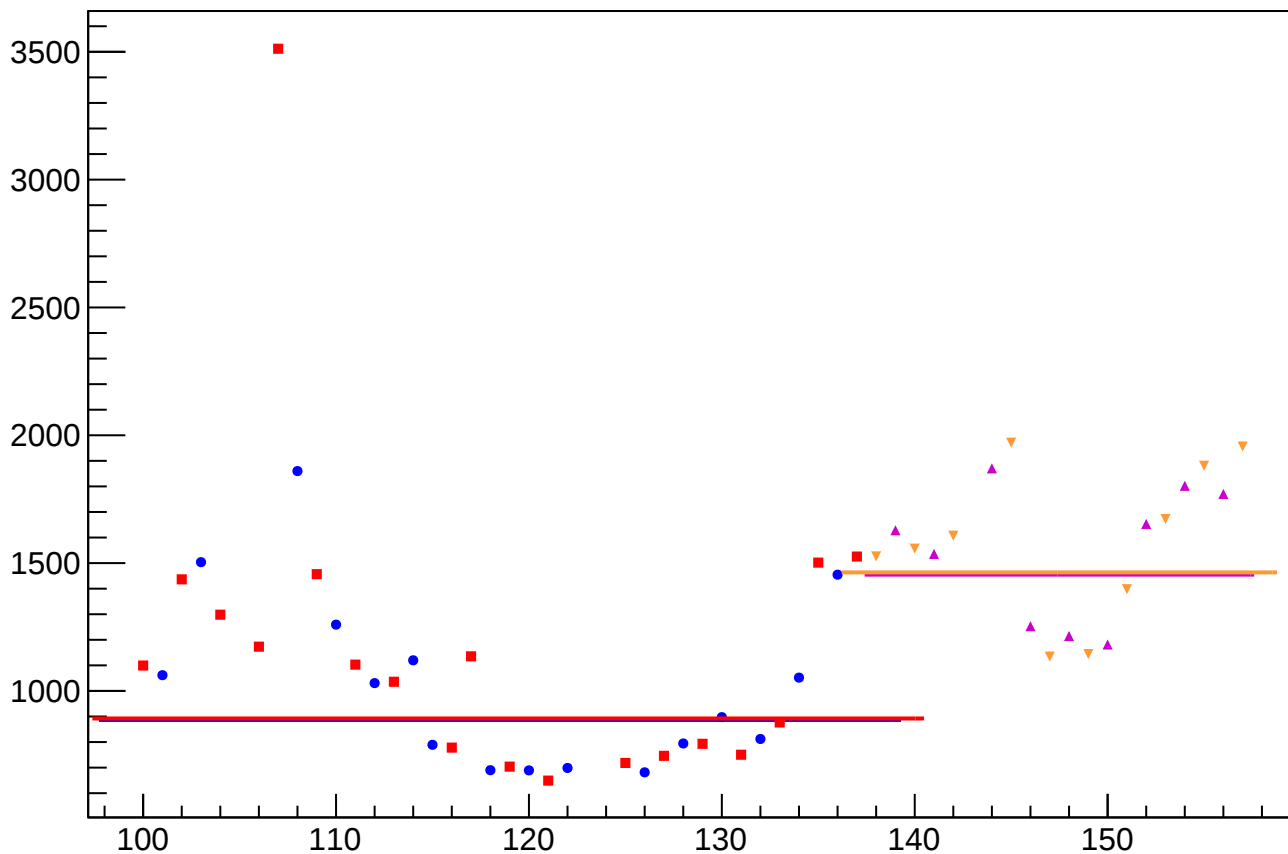
Left In: 422.743 $\pm$ 545.556 χ^2/NDF : 3.3/8

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

-99.454 $\pm$ 211.685 χ^2/NDF : 73.3/53

238.570 $\pm$ 297.832 χ^2/NDF : 28.5/27

asym_usl_correction_rms vs Slug, Sign Corrected



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

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

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

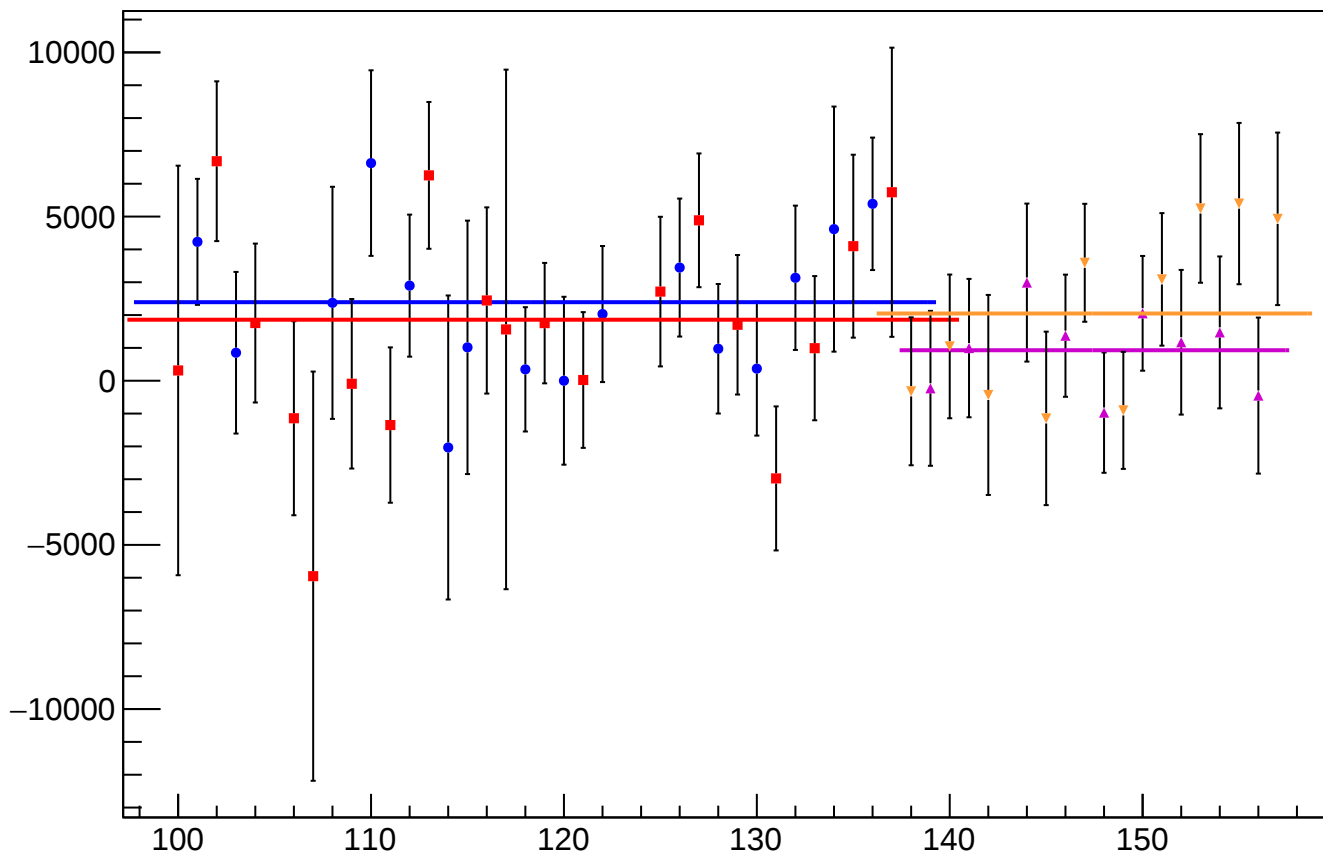
Left In: 1454.918+/-0.386 χ^2/NDF : 438004.7/8

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

1060.290+/-0.150 χ^2/NDF : 6533305.8/53

1059.933+/-0.211 χ^2/NDF : 3349652.0/27

asym_usl_mean vs Slug, Sign Corrected



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

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

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

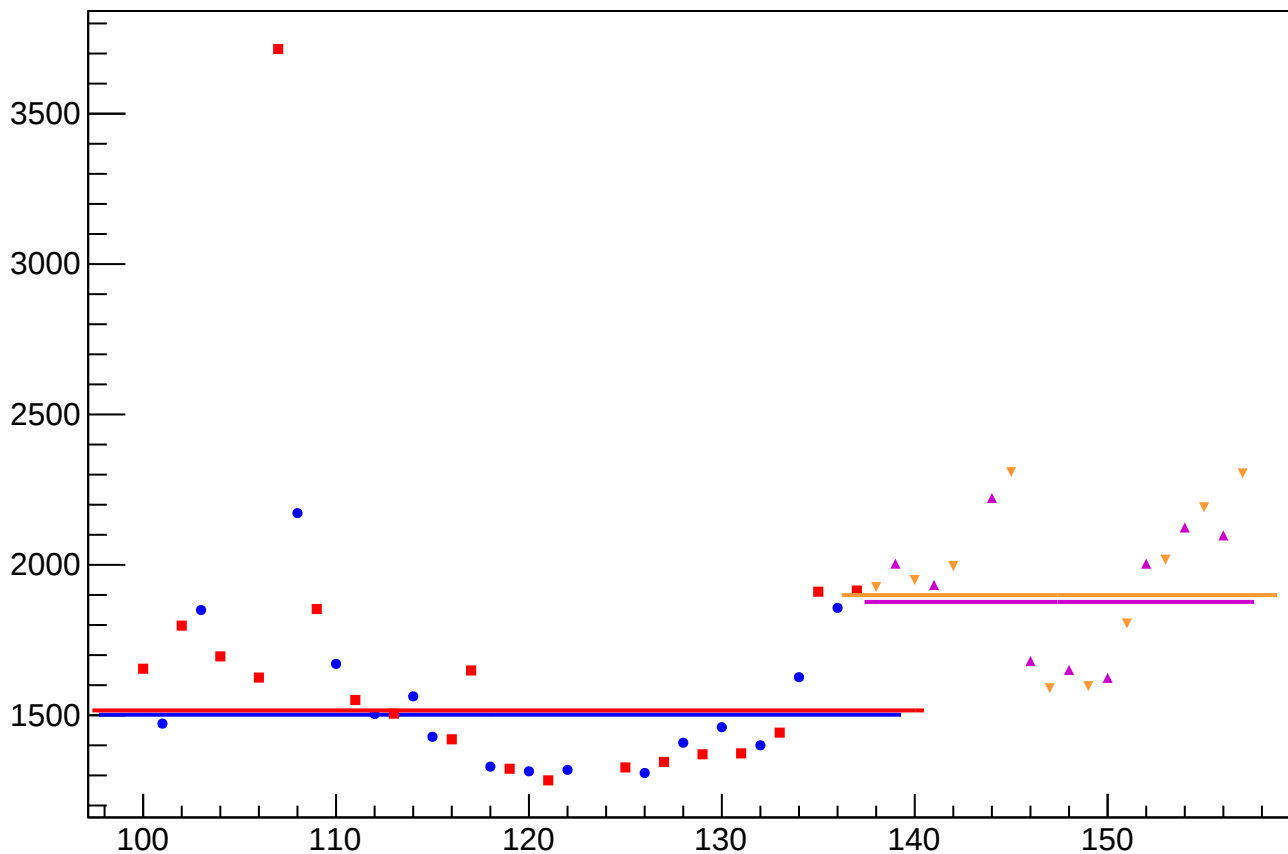
Left In: 928.680 $\pm$ 696.499 χ^2 /NDF:2.9/8

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

1859.189 $\pm$ 317.278 χ^2 /NDF: 51.5/53

1476.414 $\pm$ 446.398 χ^2 /NDF: 26.5/27

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1899.564 $\pm$ 0.496 χ^2 /NDF: 253929.1/9

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

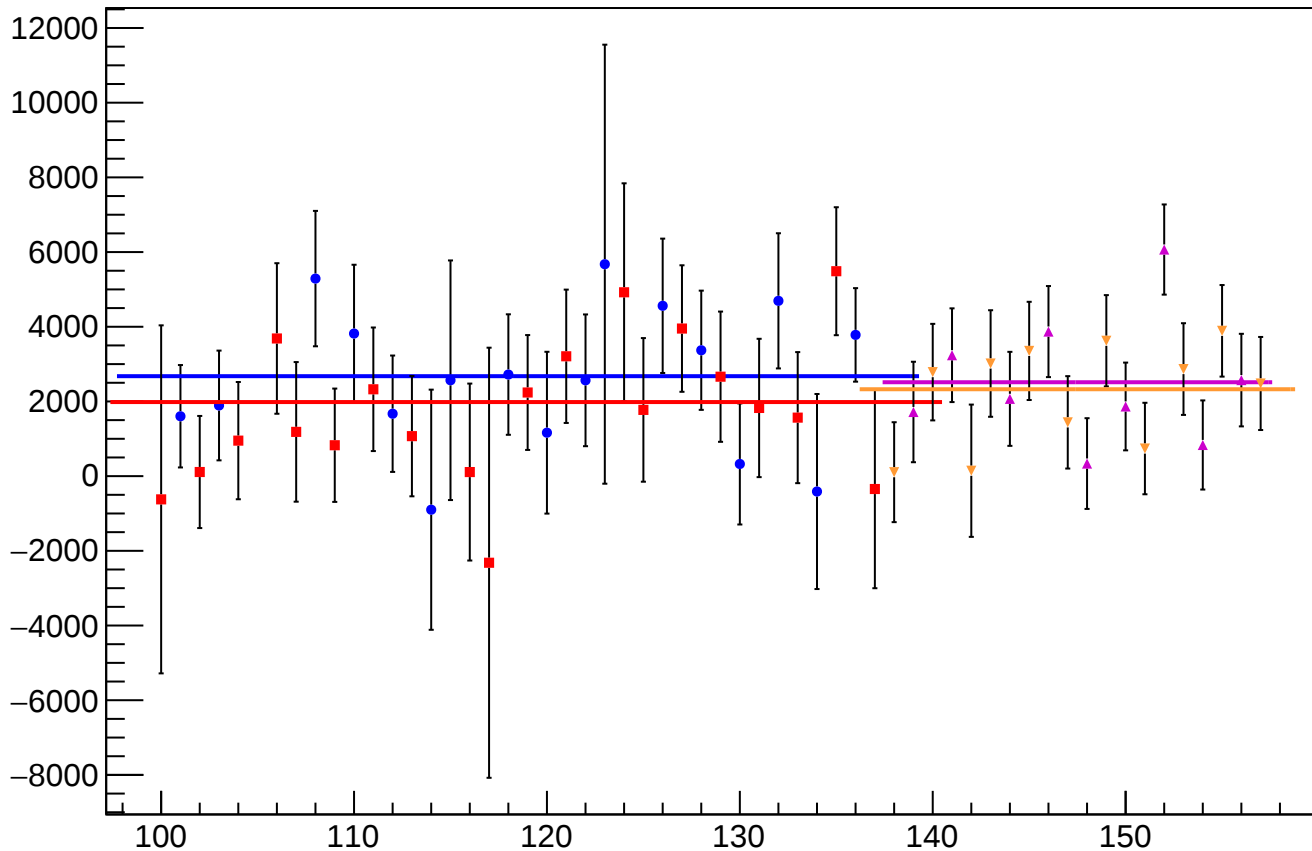
Left In: 1876.856 $\pm$ 0.492 χ^2 /NDF: 189866.3/8

1666.389 $\pm$ 0.319 χ^2 /NDF: 885468.6/25

1665.336 $\pm$ 0.224 χ^2 /NDF: 1871789.7/53

1664.305 $\pm$ 0.316 χ^2 /NDF: 986299.5/27

reg_asym_usr_mean vs Slug, Sign Corrected



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

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

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

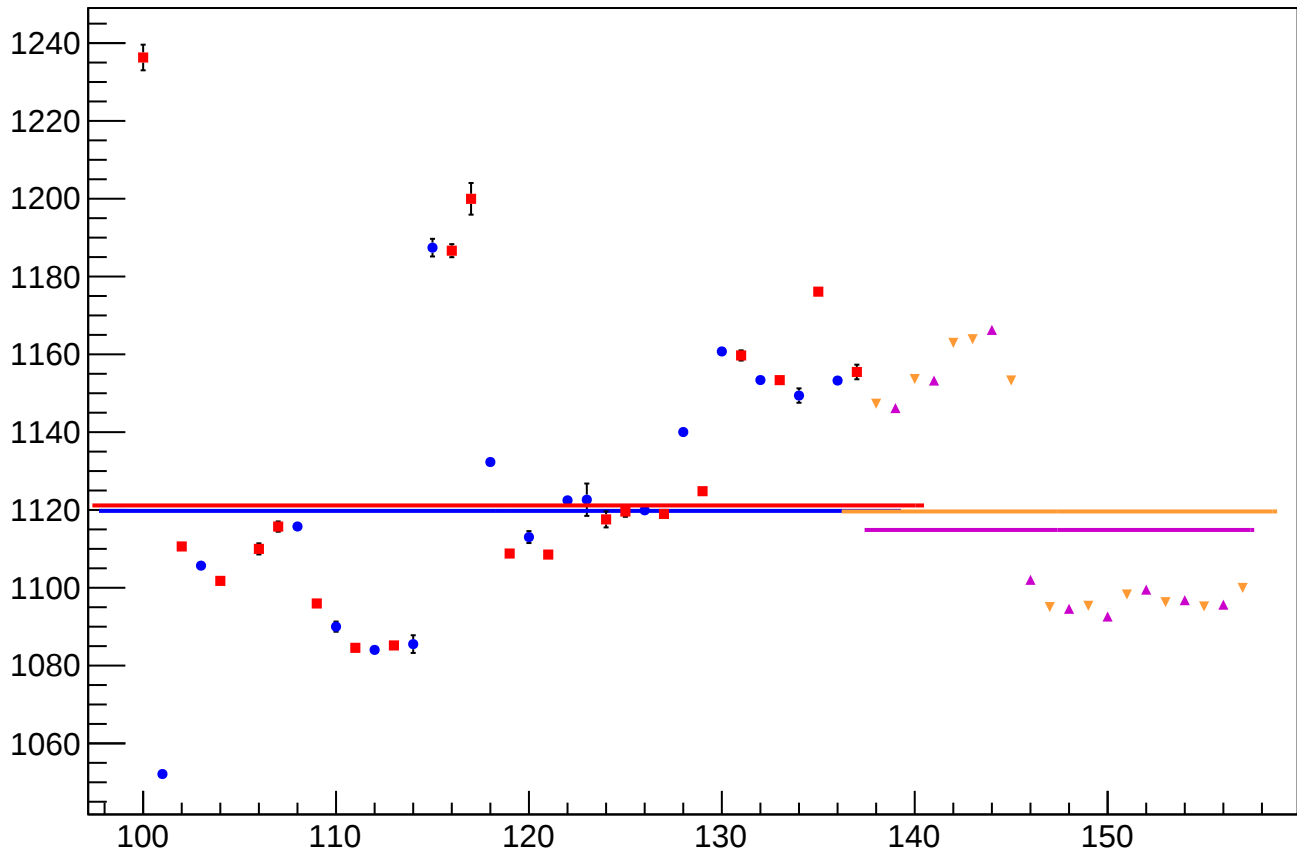
Left In: 2514.415 $\pm$ 410.555 χ^2 /NDF: 16.2/8

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

2369.880 $\pm$ 206.363 χ^2 /NDF: 54.0/56

2253.902 $\pm$ 292.923 χ^2 /NDF: 30.4/28

reg_asym_usr_rms vs Slug, Sign Corrected



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

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

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

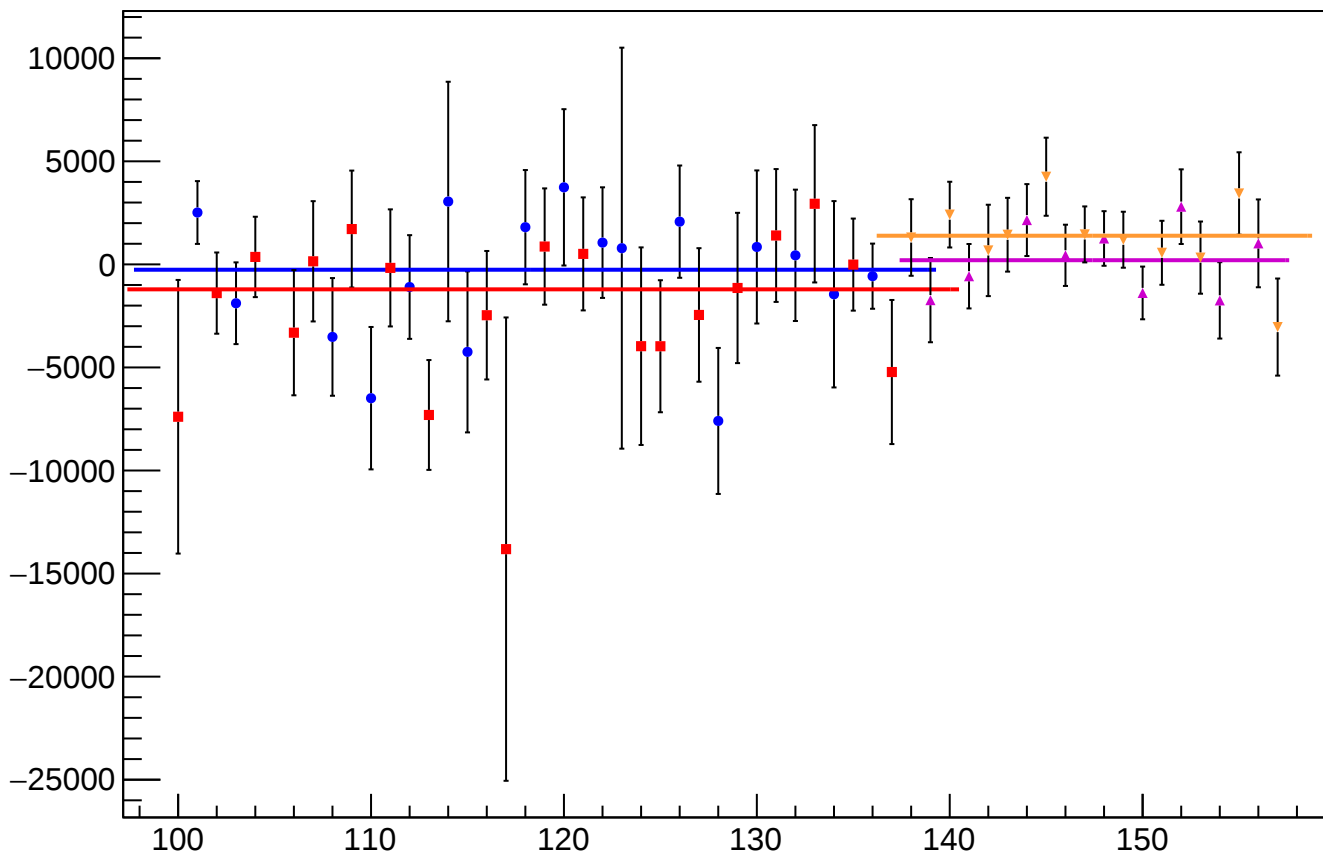
Left In: 1114.862+/-0.290 χ^2/NDF : 9050.3/8

1119.681+/-0.206 χ^2/NDF : 22752.0/27

1118.825+/-0.146 χ^2/NDF : 42379.3/56

1117.956+/-0.207 χ^2/NDF : 19592.4/28

asym_usr_correction_mean vs Slug, Sign Corrected



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

Left Out: 1390.017 $\pm$ 517.460 χ^2/NDF : 8.1/10

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

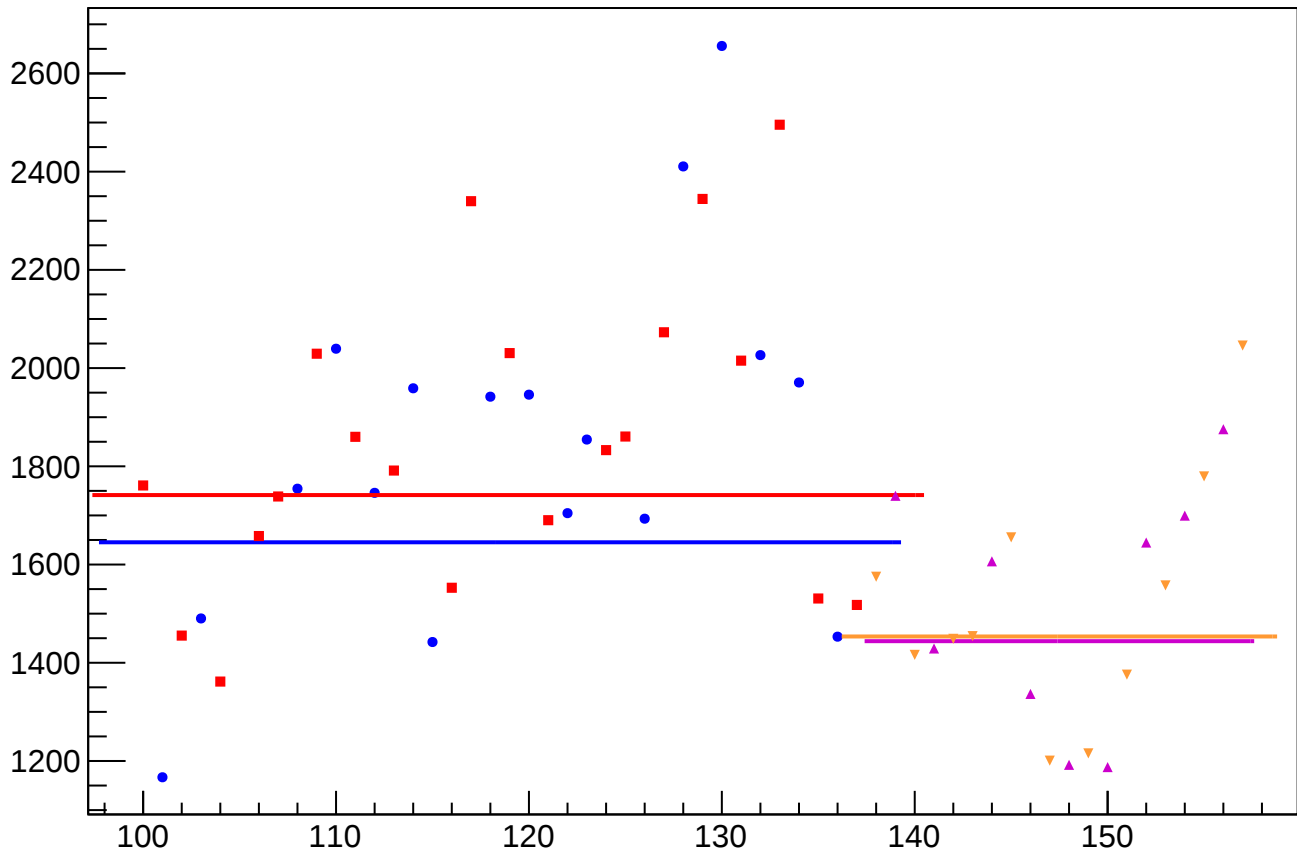
Left In: 202.297 $\pm$ 540.044 χ^2/NDF : 7.9/8

756.340 $\pm$ 406.104 χ^2/NDF : 29.2/27

213.050 $\pm$ 291.369 χ^2/NDF : 59.2/56

-363.312 $\pm$ 418.282 χ^2/NDF : 26.3/28

asym_usr_correction_rms vs Slug, Sign Corrected



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

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

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

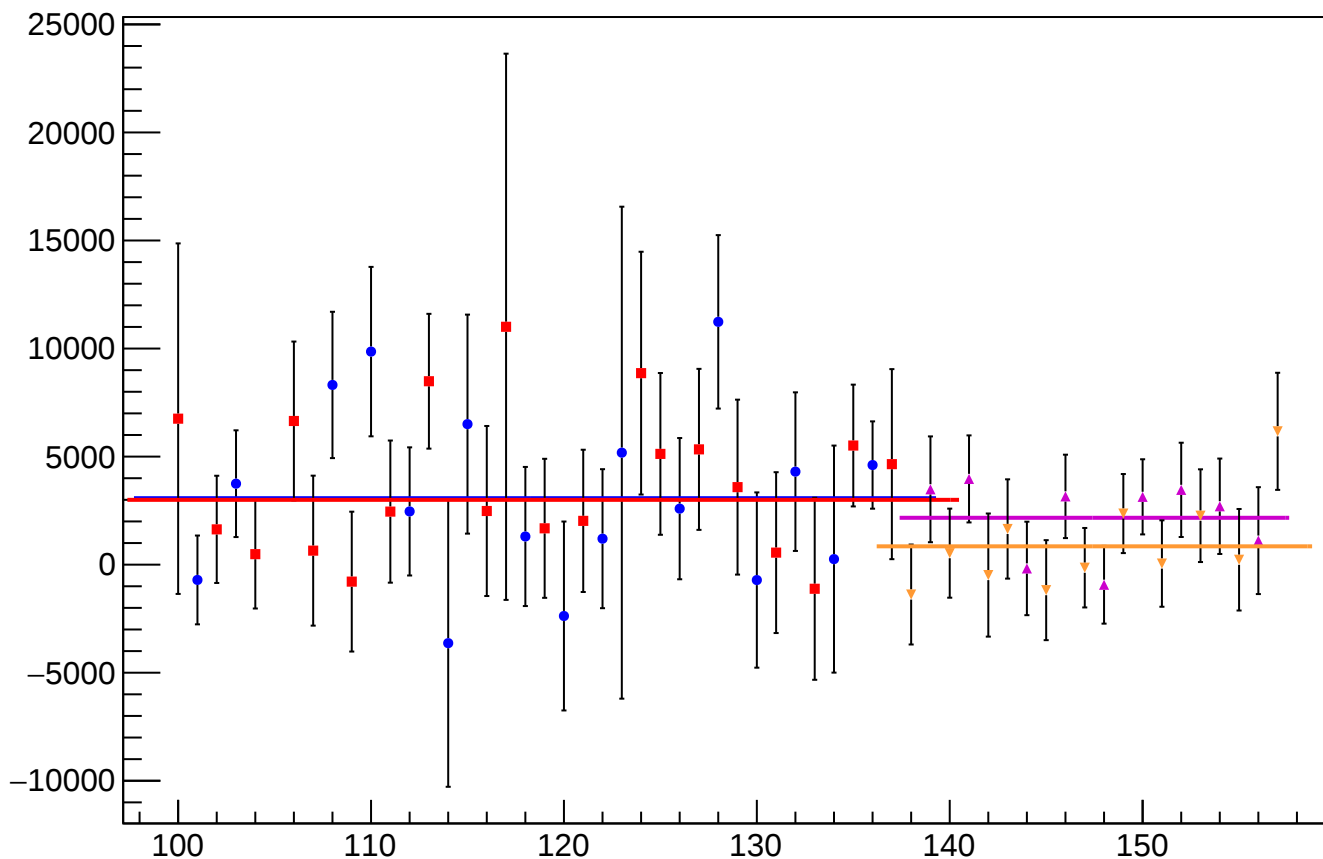
Left In: 1443.962 +/- 0.382 χ^2/NDF : 367380.1/8

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

1544.558 +/- 0.206 χ^2/NDF : 2055905.0/56

1562.991 +/- 0.296 χ^2/NDF : 986915.6/28

asym_usr_mean vs Slug, Sign Corrected



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

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

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

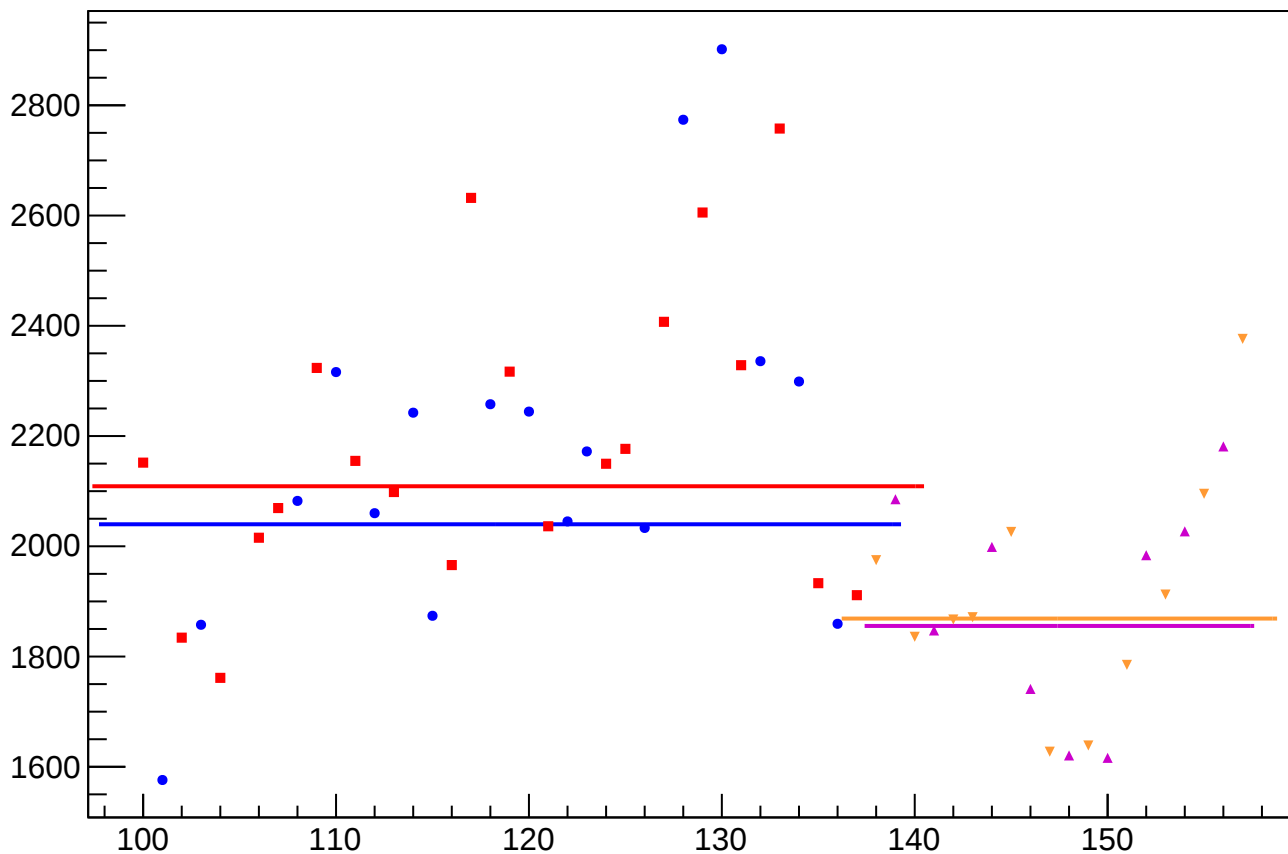
Left In: 2168.702 $\pm$ 687.735 χ^2 /NDF: 6.4/8

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

2127.290 $\pm$ 363.810 χ^2 /NDF: 51.2/56

2524.694 $\pm$ 519.861 χ^2 /NDF: 19.3/28

asym_usr_rms vs Slug, Sign Corrected



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

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

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

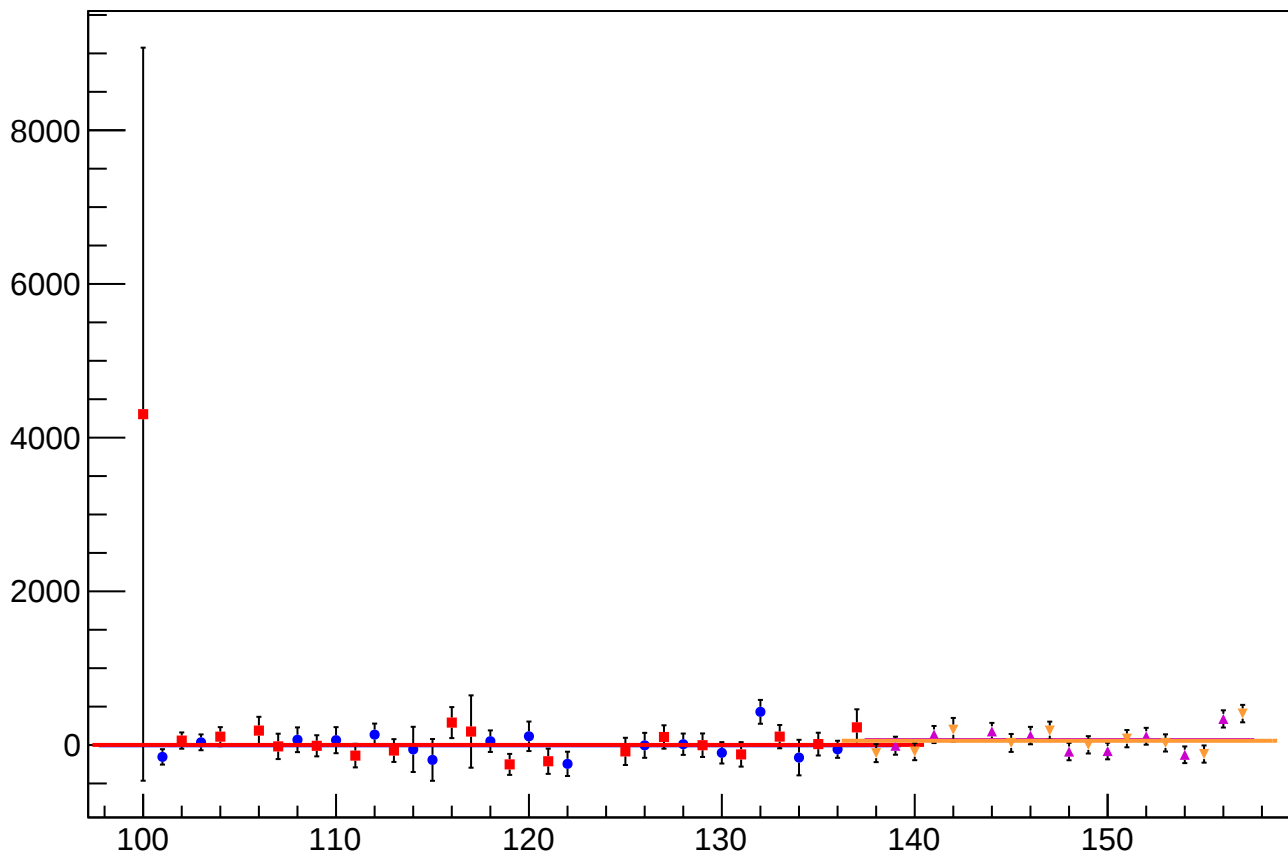
Left In: 1855.518 $\pm$ 0.486 χ^2/NDF :159114.4/8

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

1950.711 $\pm$ 0.257 χ^2/NDF : 1036407.9/56

1964.122 $\pm$ 0.368 χ^2/NDF : 474368.4/28

reg_asym_dsl_mean vs Slug, Sign Corrected



Right In: -3.283 ± 36.714 $\chi^2/\text{NDF}: 16.1/15$

Left Out: 55.515 ± 36.790 $\chi^2/\text{NDF}: 18.1/9$

Right Out: 1.545 ± 36.588 $\chi^2/\text{NDF}: 14.1/18$

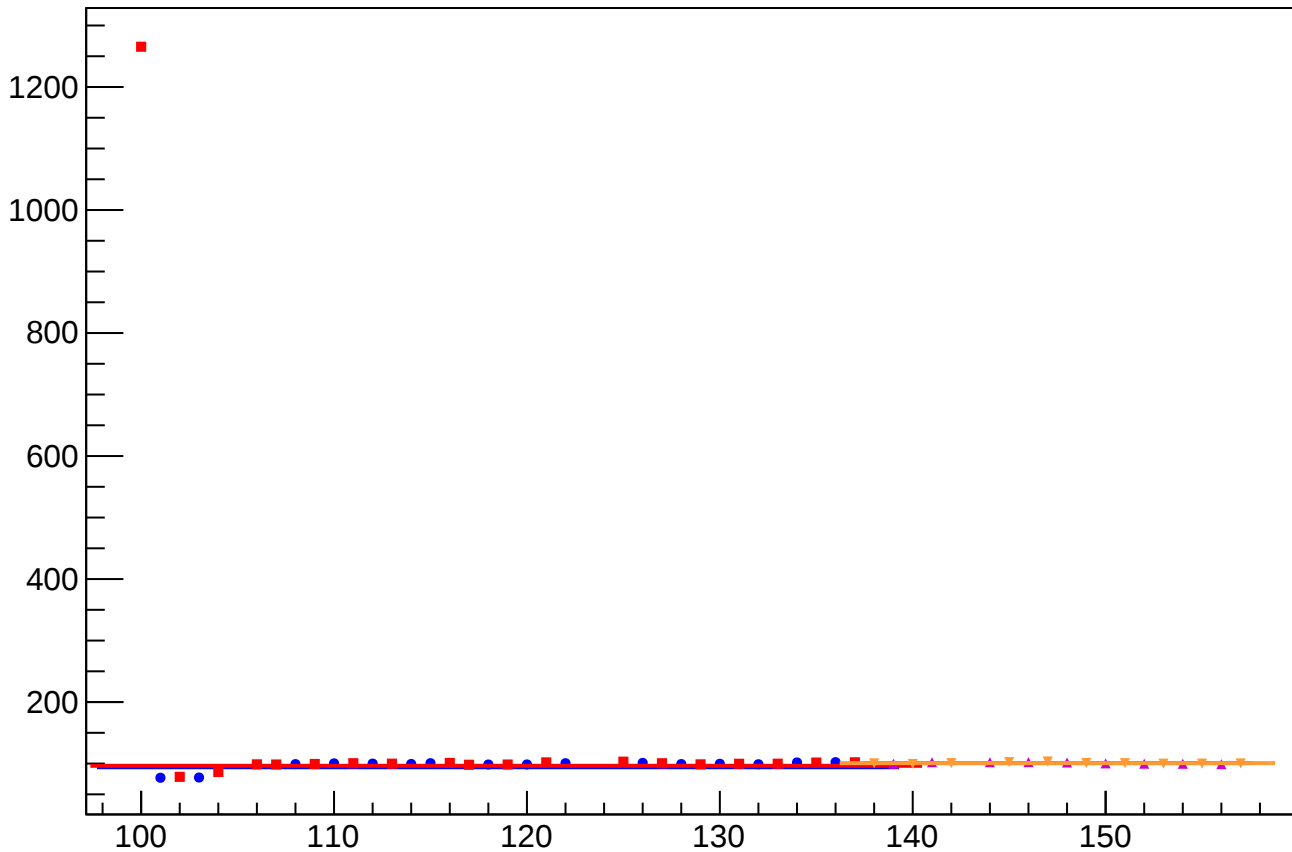
Left In: 64.793 ± 37.122 $\chi^2/\text{NDF}: 15.0/8$

26.055 ± 25.988 $\chi^2/\text{NDF}: 35.6/25$

29.374 ± 18.401 $\chi^2/\text{NDF}: 66.2/53$

32.711 ± 26.058 $\chi^2/\text{NDF}: 30.5/27$

reg_asym_dsl_rms vs Slug, Sign Corrected



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

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

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

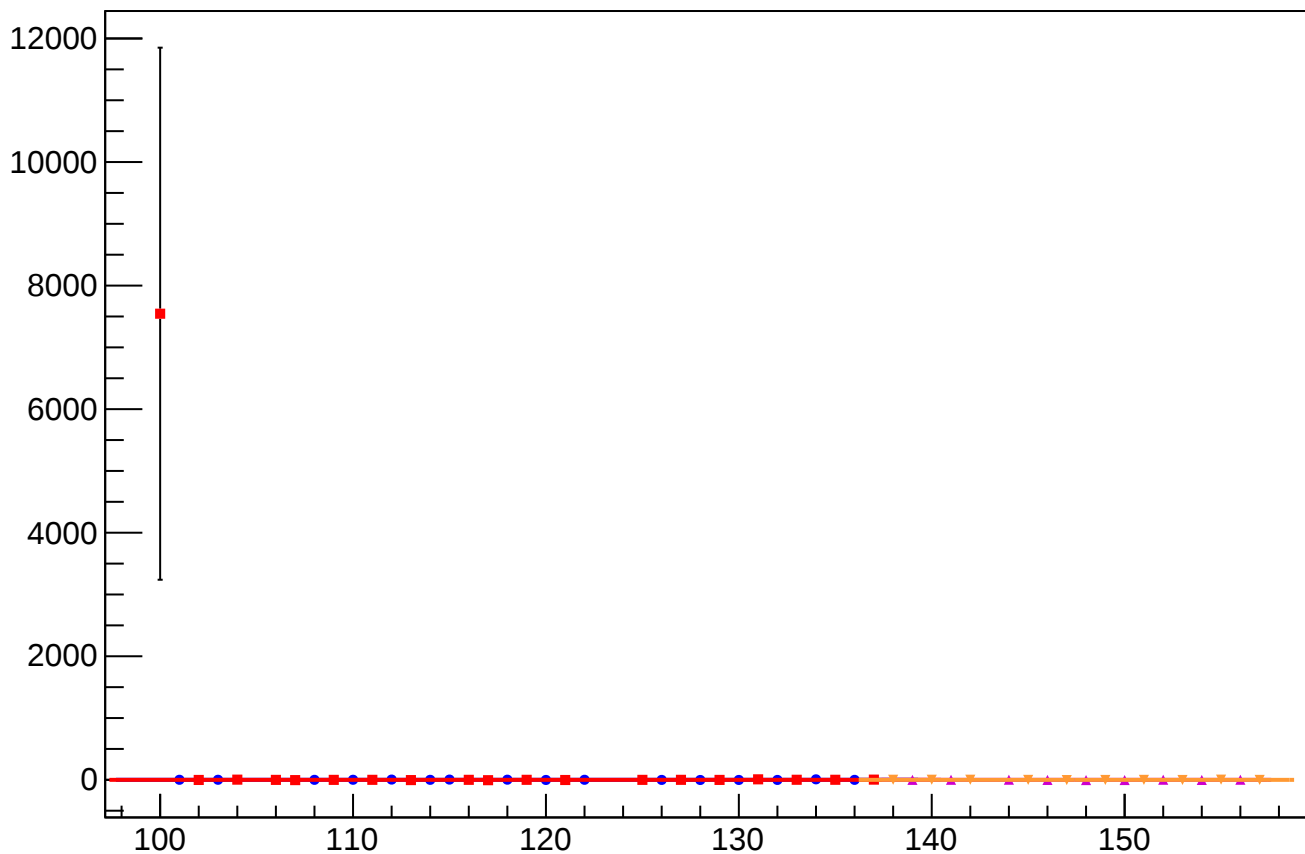
Left In: 100.825 $\pm$ 0.026 χ^2 /NDF: 2180.0/8

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

97.983 $\pm$ 0.013 χ^2 /NDF: 415198.7/53

98.572 $\pm$ 0.018 χ^2 /NDF: 225964.9/27

asym_dsl_correction_mean vs Slug, Sign Corrected



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

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

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

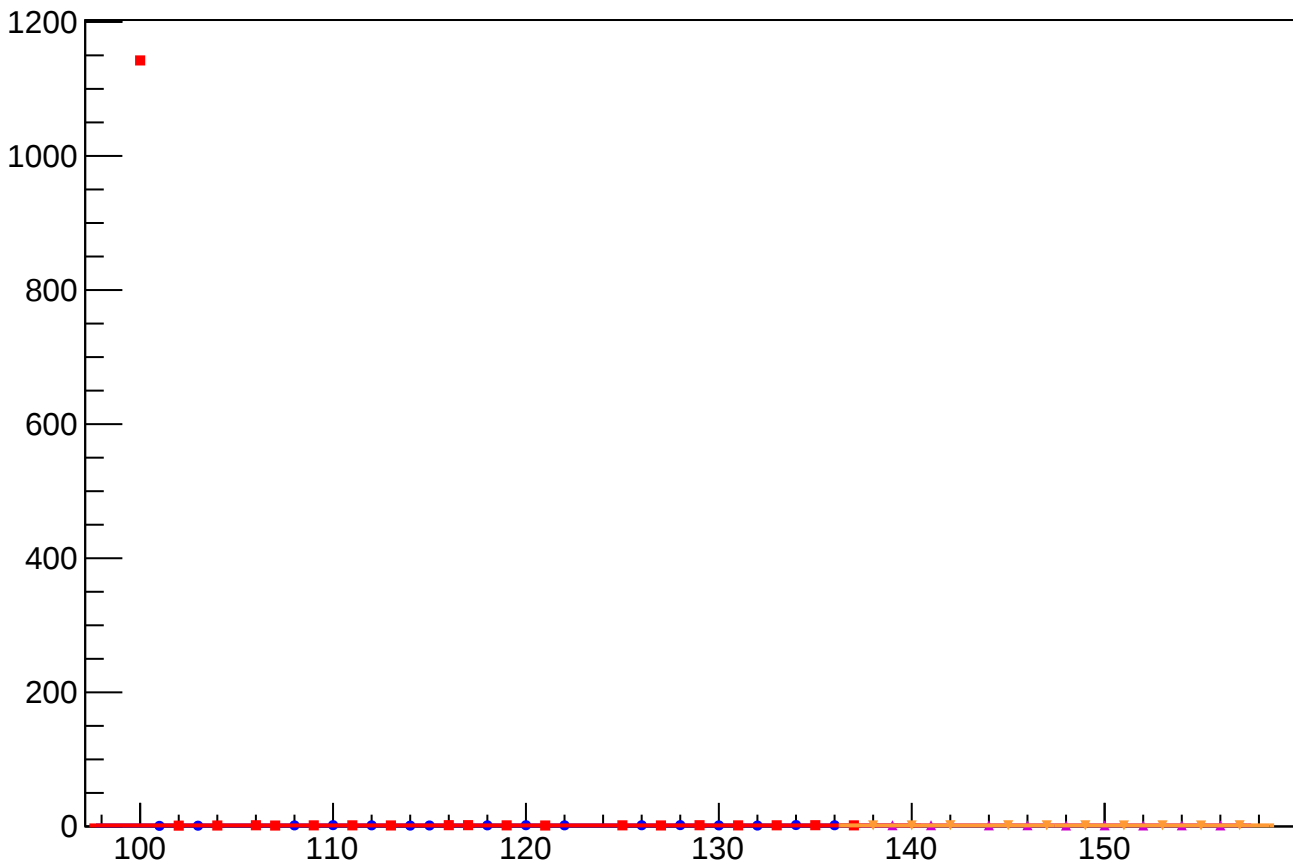
Left In: -0.553+/-0.667 χ^2/NDF : 11.0/8

-0.032+/-0.442 χ^2/NDF : 21.8/25

-0.227+/-0.319 χ^2/NDF : 56.4/53

-0.440+/-0.462 χ^2/NDF : 34.1/27

asym_dsl_correction_rms vs Slug, Sign Corrected



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

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

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

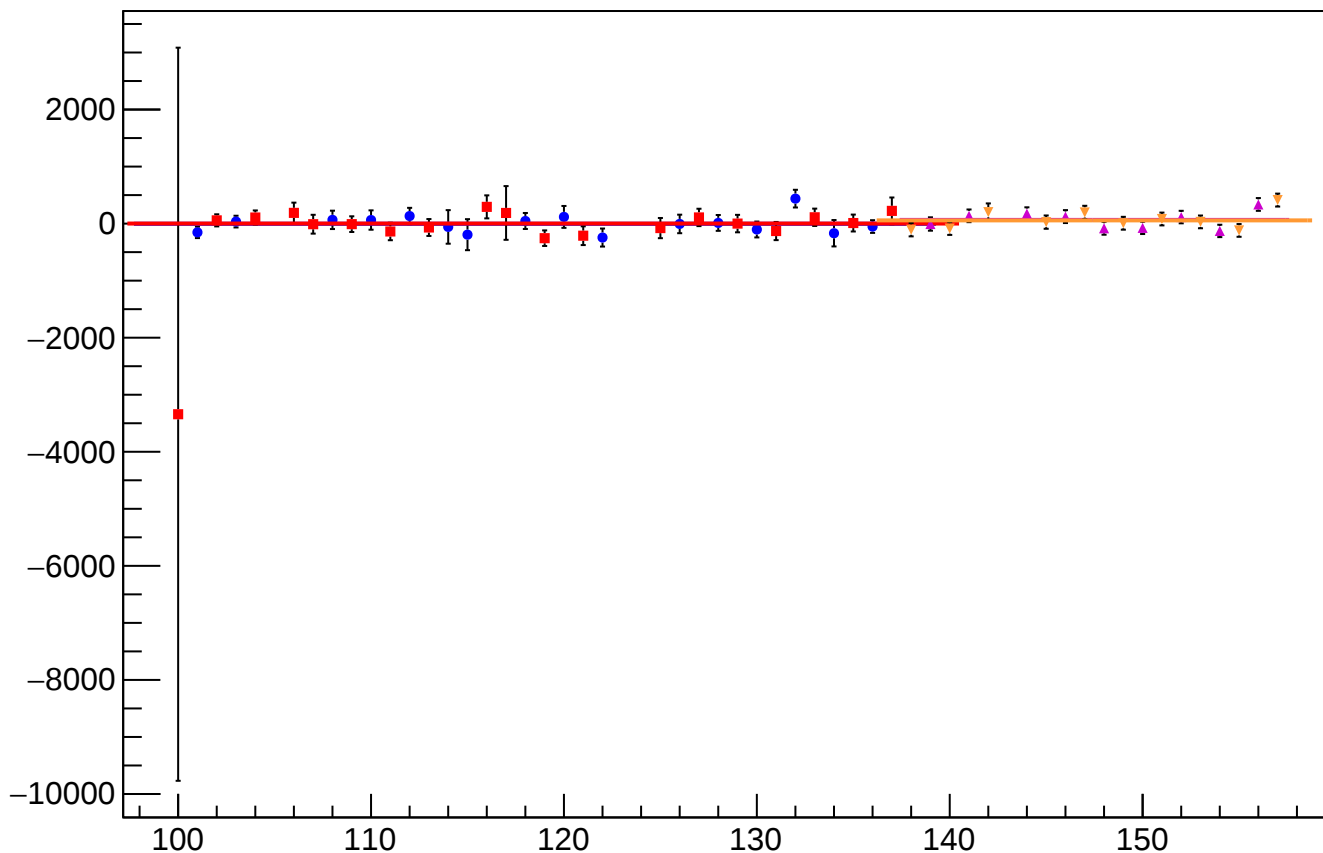
Left In: 1.681+/-0.000 χ^2/NDF : 75697.7/8

1.505+/-0.000 χ^2/NDF : 861520.3/25

1.558+/-0.000 χ^2/NDF : 1352417.7/53

1.617+/-0.000 χ^2/NDF : 430078.7/27

asym_dsl_mean vs Slug, Sign Corrected



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

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

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

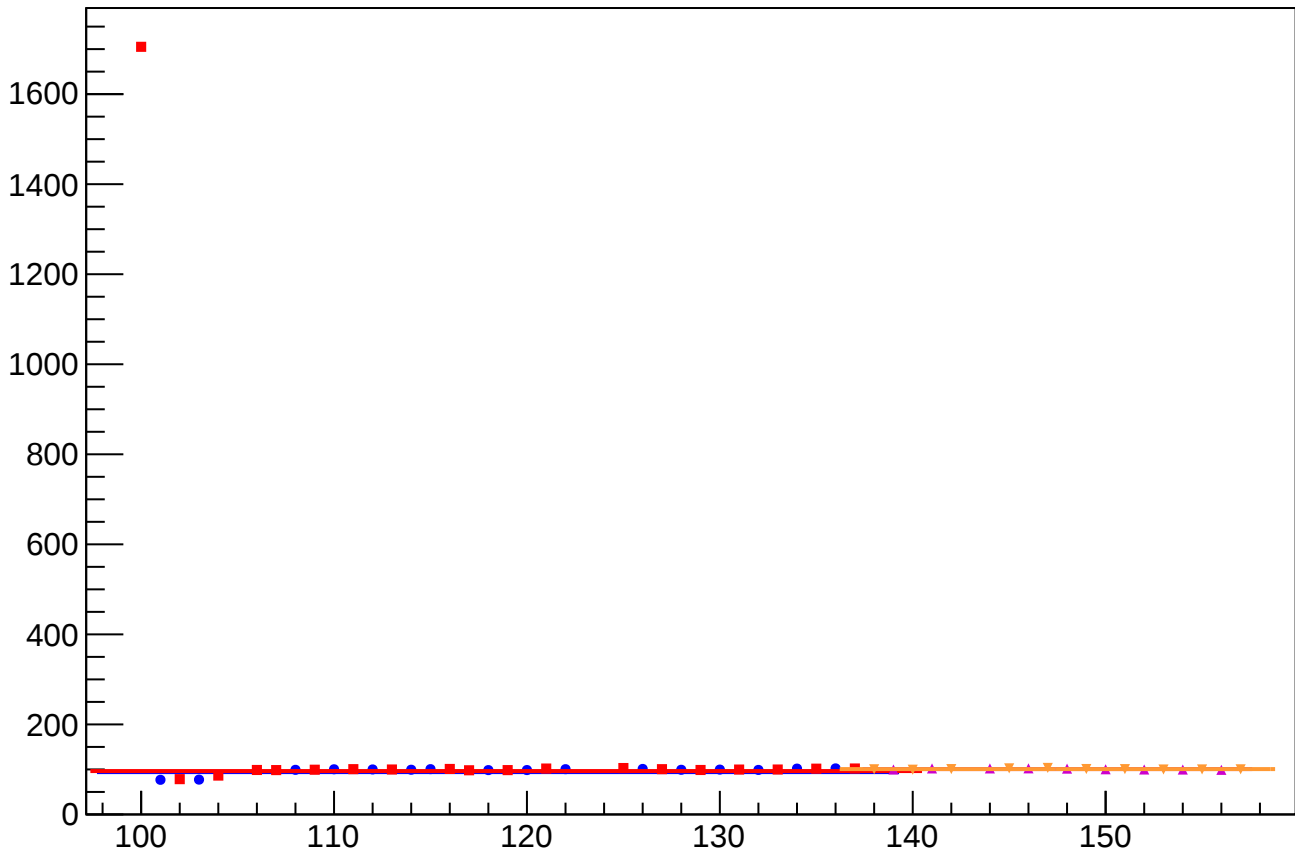
Left In: 65.055+/-37.131 χ^2/NDF : 14.6/8

26.754+/-25.994 χ^2/NDF : 36.2/25

29.727+/-18.406 χ^2/NDF : 66.0/53

32.716+/-26.065 χ^2/NDF : 29.8/27

asym_dsl_rms vs Slug, Sign Corrected



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

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

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

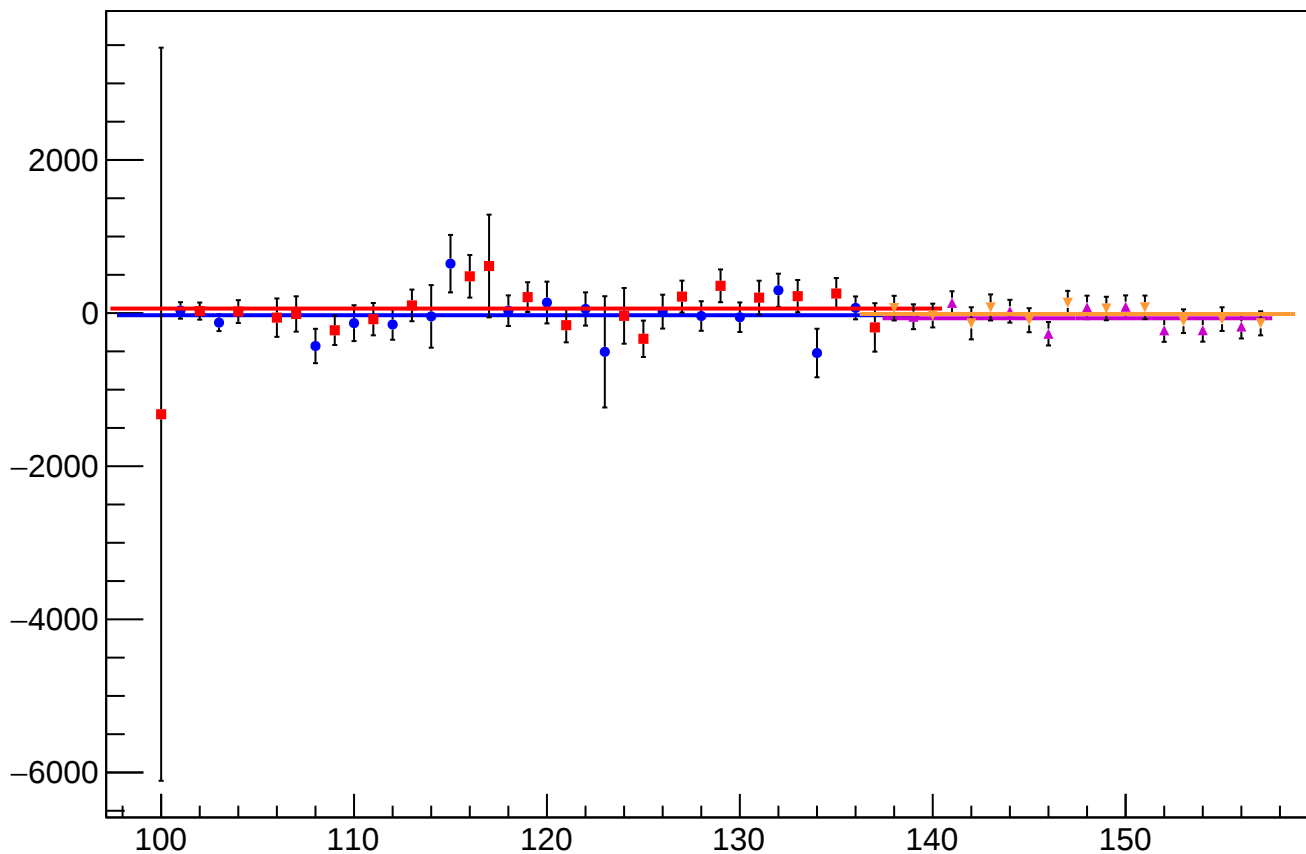
Left In: 100.852+/-0.026 χ^2/NDF : 2179.5/8

97.422+/-0.018 χ^2/NDF : 187215.1/25

98.004+/-0.013 χ^2/NDF : 420437.9/53

98.590+/-0.018 χ^2/NDF : 231210.4/27

reg_asym_dsr_mean vs Slug, Sign Corrected



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

Left Out: -11.600 ± 48.332 χ^2/NDF : 3.7/10

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

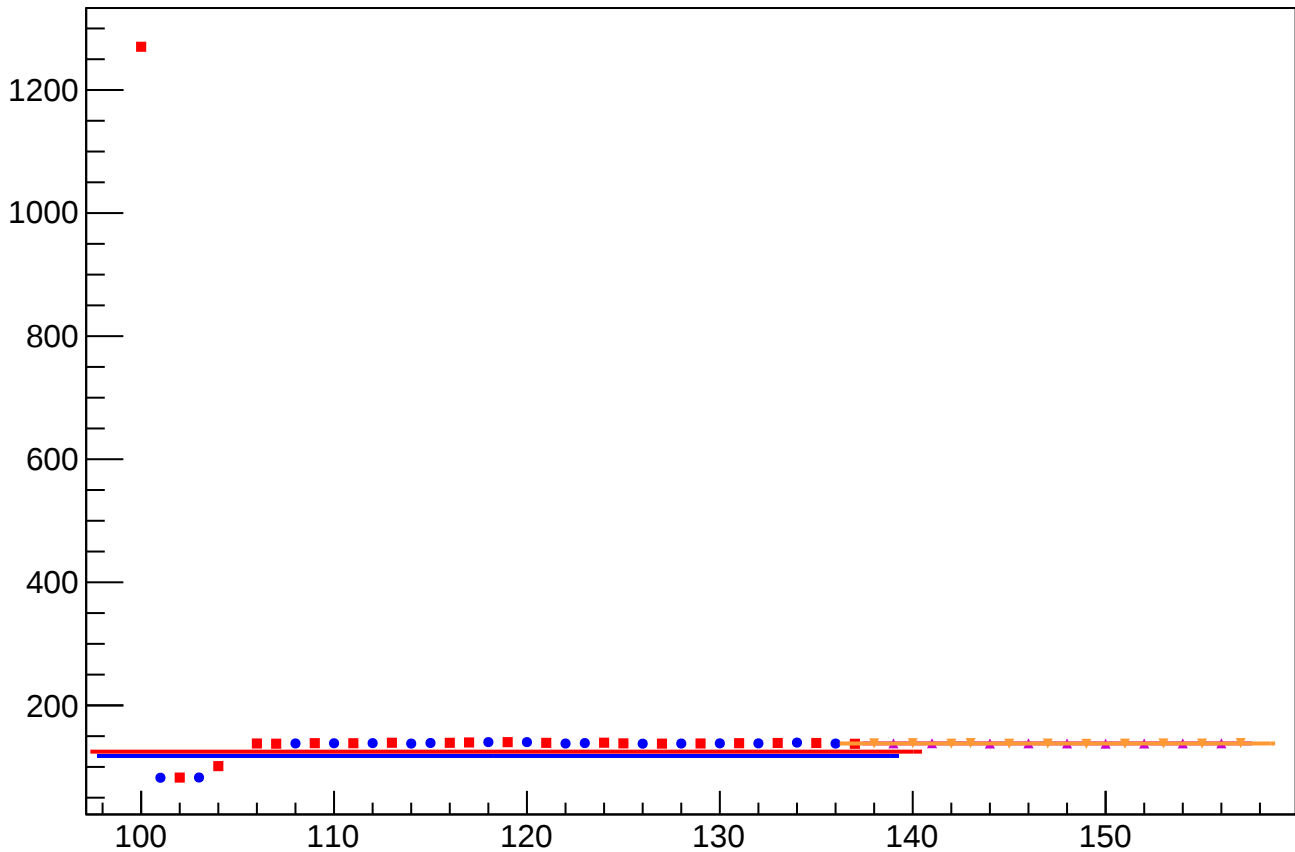
Left In: -67.532 ± 50.903 χ^2/NDF : 8.4/8

-19.986 ± 33.613 χ^2/NDF : 18.0/27

-10.280 ± 24.164 χ^2/NDF : 45.5/56

0.101 ± 34.763 χ^2/NDF : 27.3/28

reg_asym_dsr_rms vs Slug, Sign Corrected



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

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

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

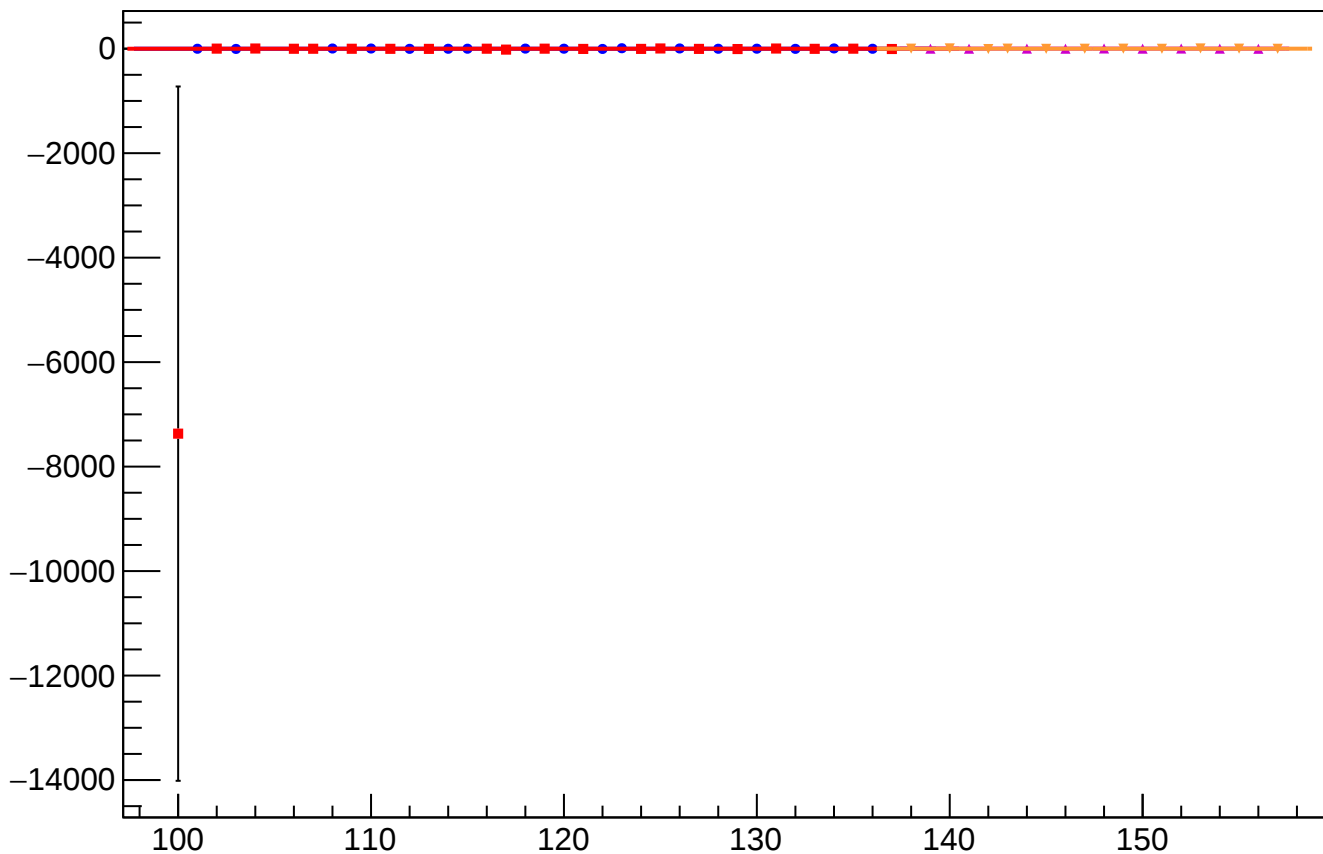
Left In: 138.262+/-0.036 χ^2/NDF :30.2/8

127.625+/-0.024 χ^2/NDF : 848604.8/27

129.304+/-0.017 χ^2/NDF : 1503935.6/56

131.099+/-0.025 χ^2/NDF : 645008.3/28

asym_dsr_correction_mean vs Slug, Sign Corrected



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

Left Out: 0.321 $\pm$ 0.815 χ^2/NDF : 12.3/10

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

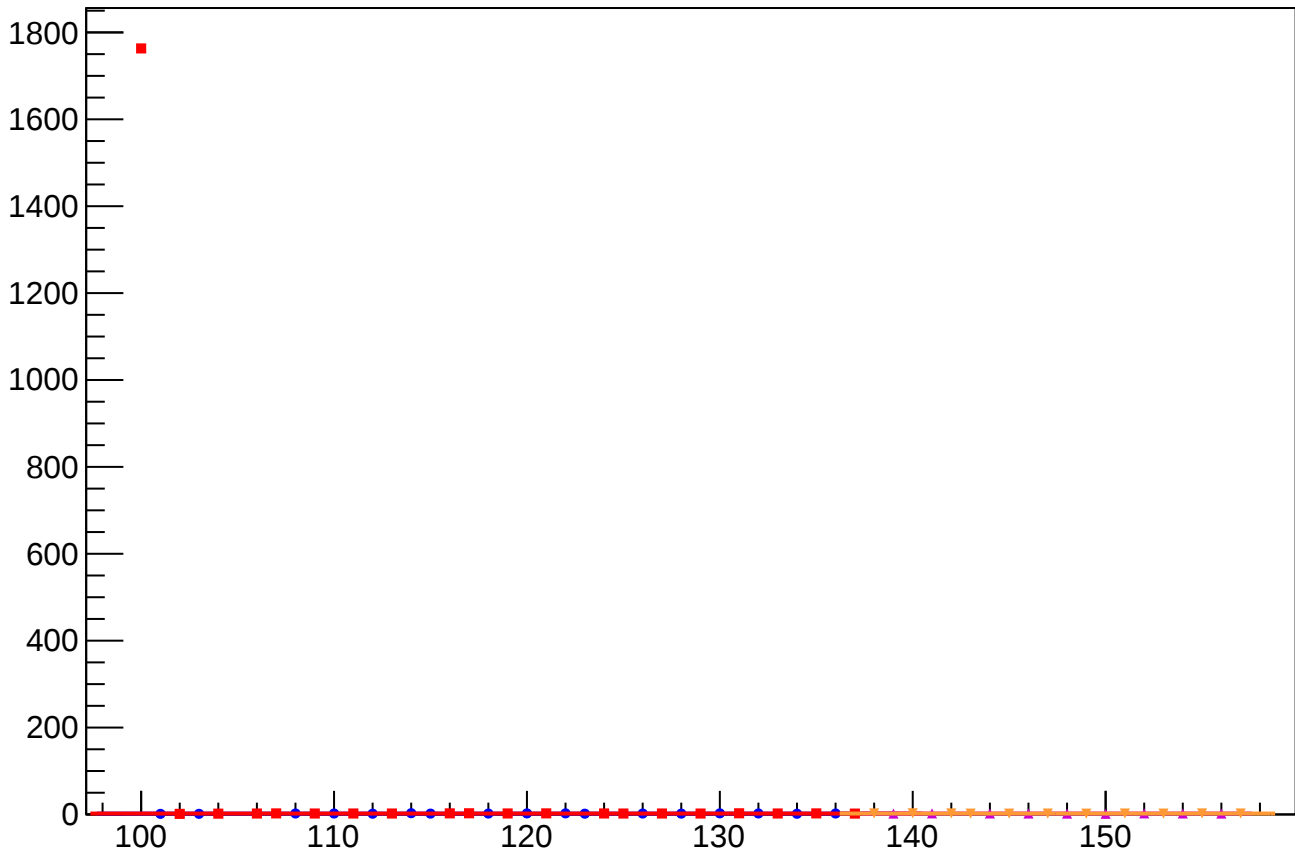
Left In: 1.184 $\pm$ 0.856 χ^2/NDF : 3.5/8

-0.191 $\pm$ 0.575 χ^2/NDF : 25.7/27

0.007 $\pm$ 0.416 χ^2/NDF : 47.3/56

0.225 $\pm$ 0.603 χ^2/NDF : 21.3/28

asym_dsr_correction_rms vs Slug, Sign Corrected



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

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

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

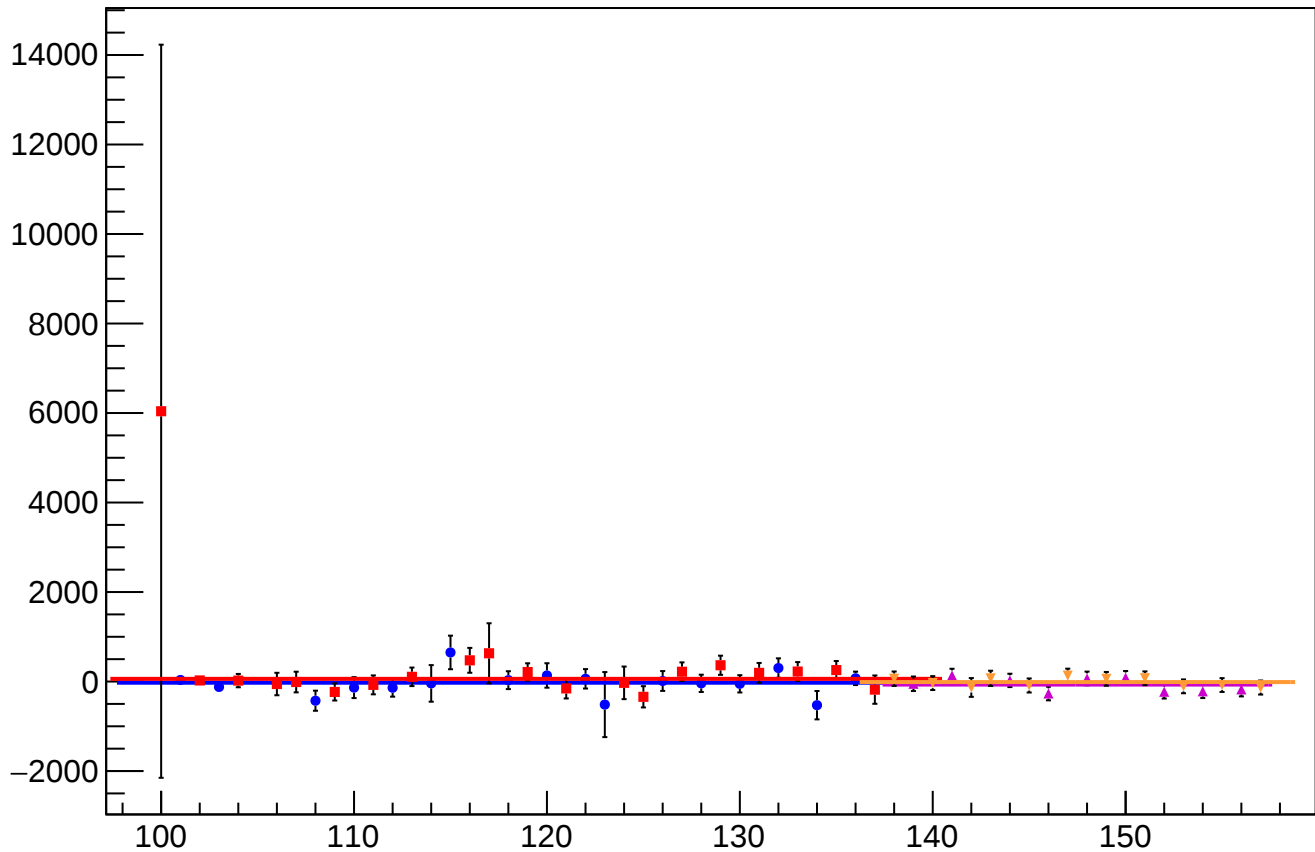
Left In: 2.080 $\pm$ 0.001 χ^2 /NDF: 259363.7/8

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

2.033 $\pm$ 0.000 χ^2 /NDF: 1554822.2/56

2.074 $\pm$ 0.000 χ^2 /NDF: 789839.4/28

asym_dsr_mean vs Slug, Sign Corrected



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

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

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

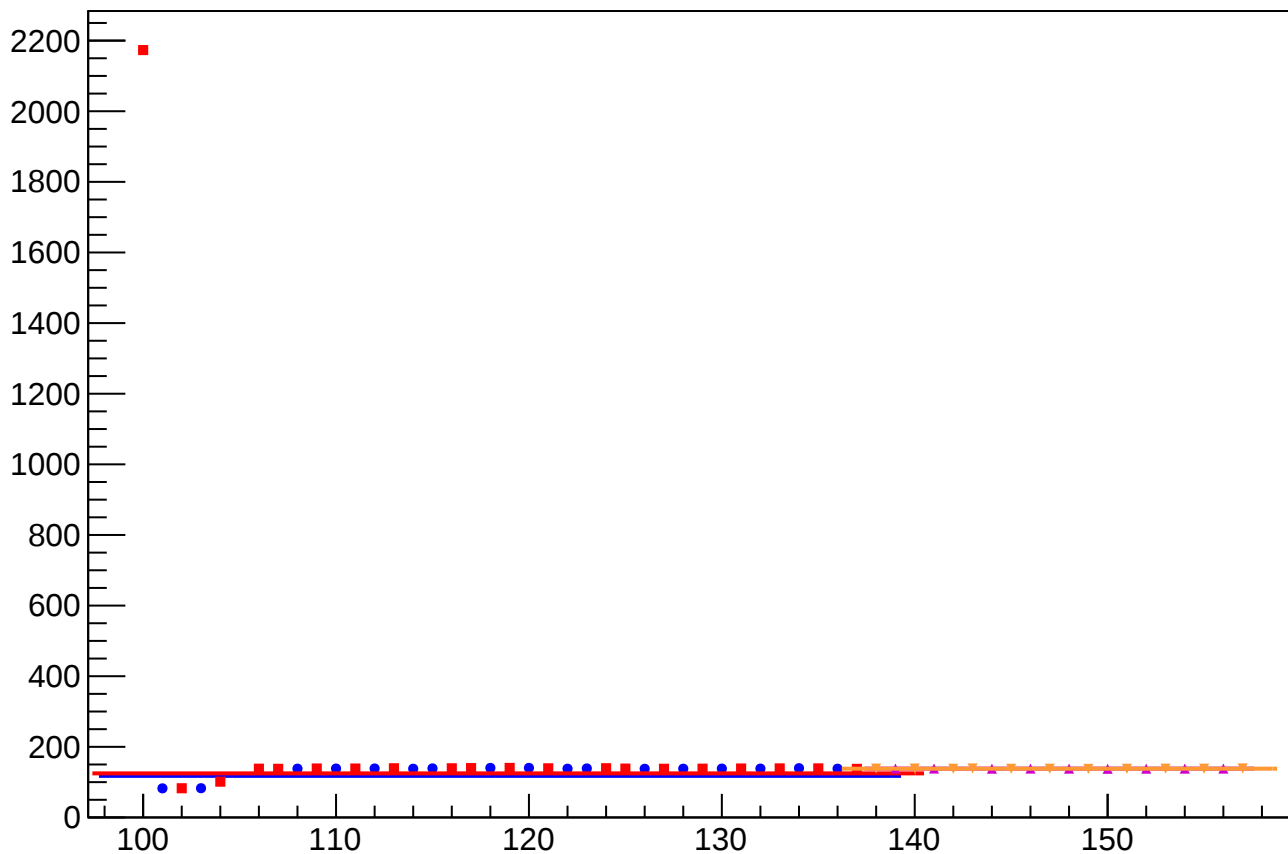
Left In: -67.608+/-50.917 χ^2/NDF : 8.4/8

-19.438+/-33.622 χ^2/NDF : 18.0/27

-9.771+/-24.171 χ^2/NDF : 46.1/56

0.569+/-34.773 χ^2/NDF : 28.0/28

asym_dsr_rms vs Slug, Sign Corrected



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

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

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

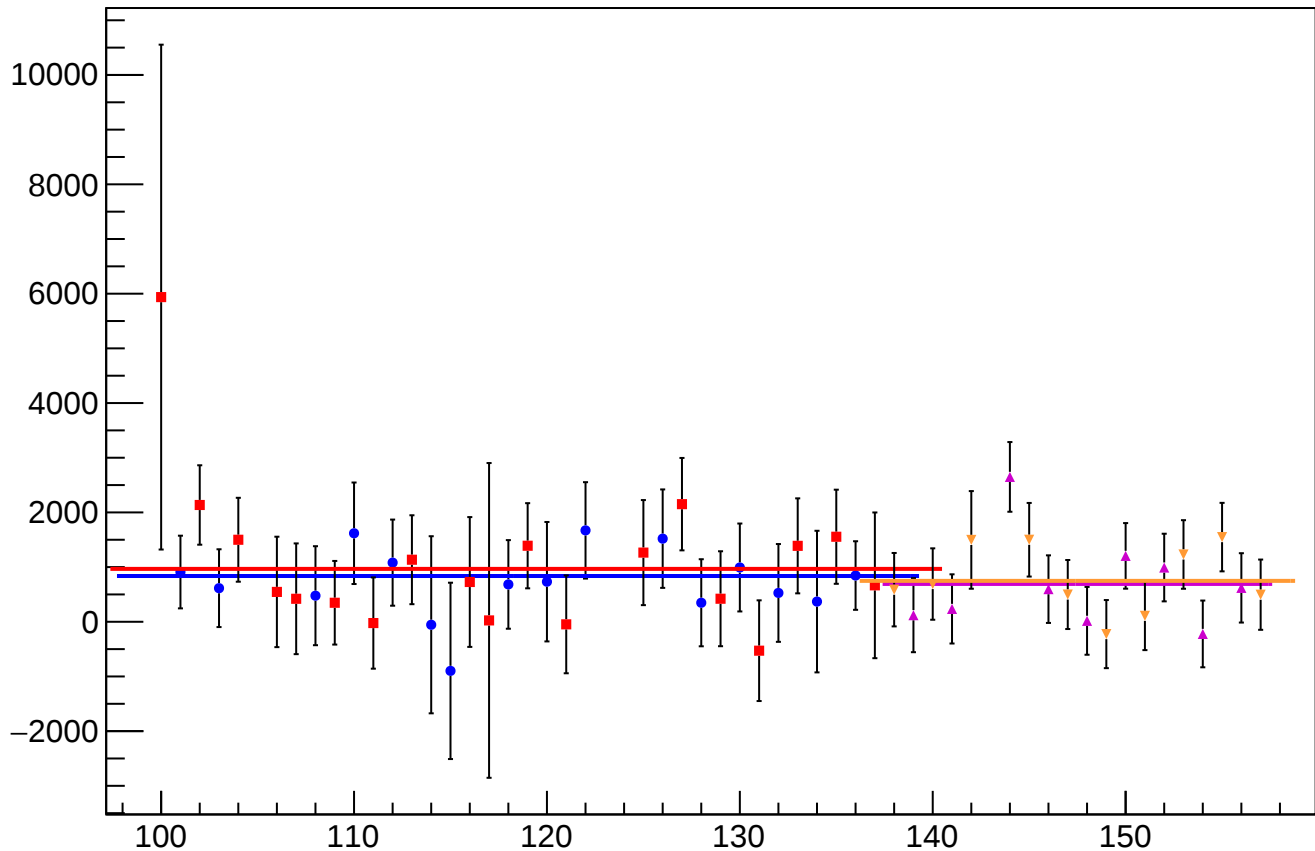
Left In: 138.299 $\pm$ 0.036 χ^2 /NDF:30.2/8

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

129.327 $\pm$ 0.017 χ^2 /NDF: 1514878.2/56

131.111 $\pm$ 0.025 χ^2 /NDF: 656075.3/28

reg_asym_left_avg_mean vs Slug, Sign Corrected



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

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

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

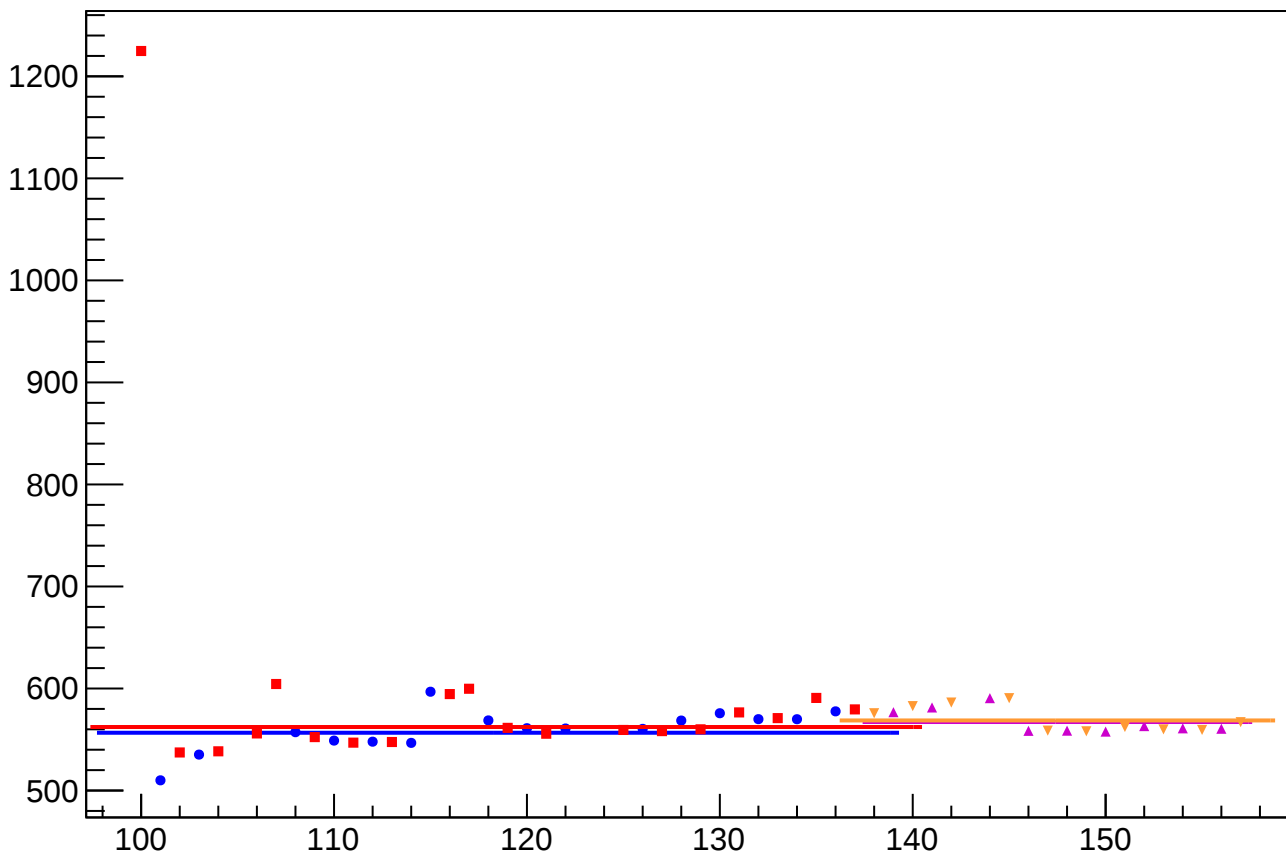
Left In: 692.107 $\pm$ 208.838 χ^2/NDF : 15.1/8

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

809.272 $\pm$ 105.576 χ^2/NDF : 43.2/53

827.516 $\pm$ 148.834 χ^2/NDF : 30.3/27

reg_asym_left_avg_rms vs Slug, Sign Corrected



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

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

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

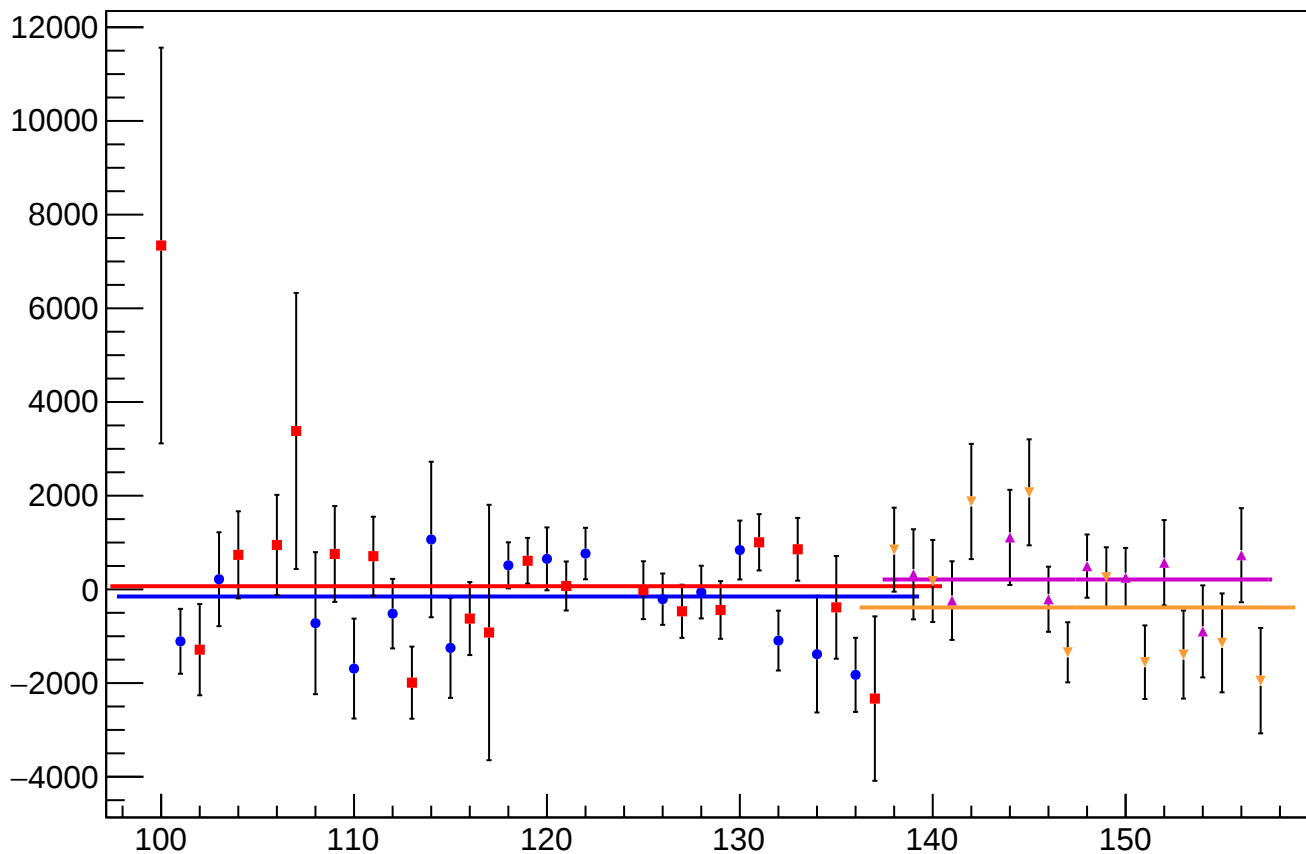
Left In: 567.161 ± 0.148 χ^2/NDF : 5874.8/8

562.906 ± 0.106 χ^2/NDF : 27781.8/25

563.832 ± 0.075 χ^2/NDF : 90268.9/53

564.746 ± 0.105 χ^2/NDF : 62335.2/27

asym_left_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -386.372 $\pm$ 274.085 χ^2 /NDF:19.5/9

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

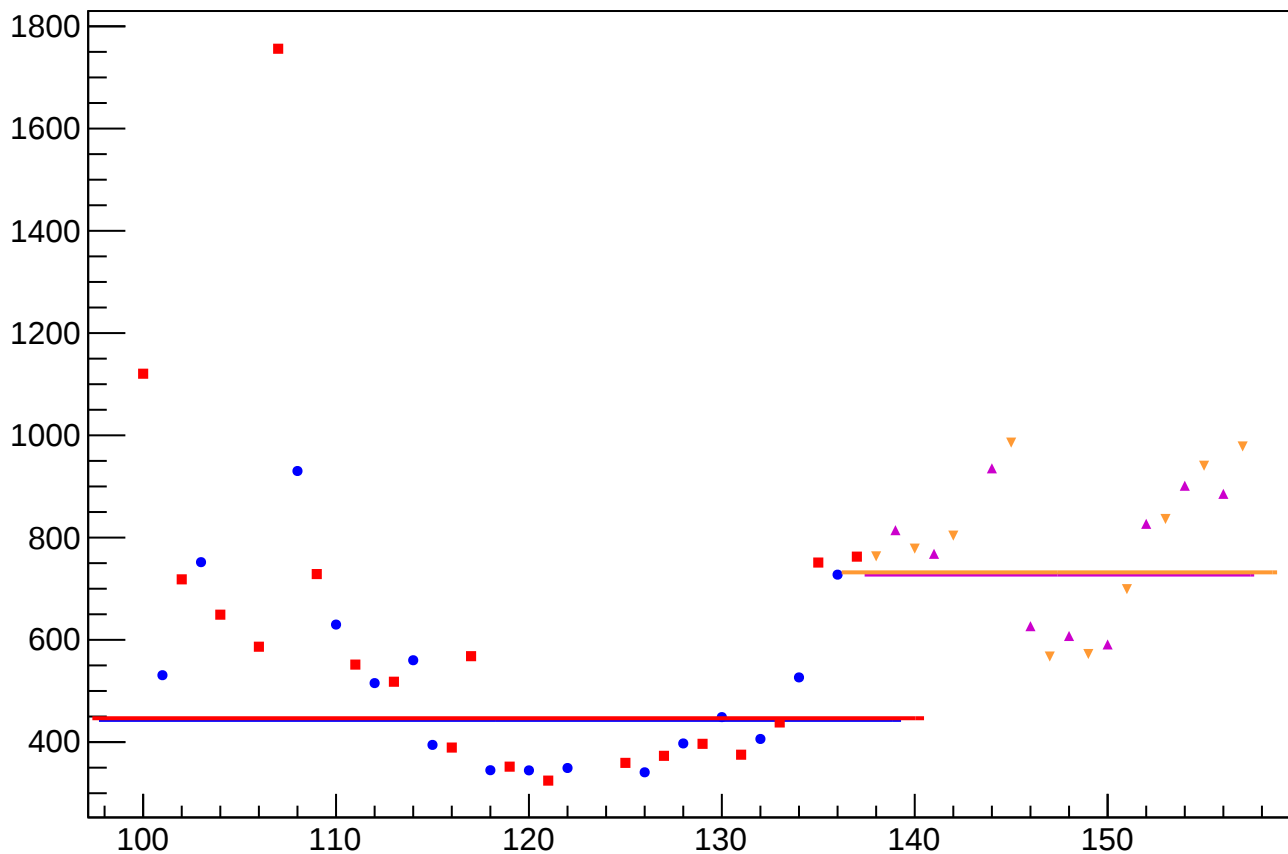
Left In: 210.978 $\pm$ 272.853 χ^2 /NDF:3.3/8

-222.580 $\pm$ 150.501 χ^2 /NDF: 42.3/25

-54.678 $\pm$ 105.974 χ^2 /NDF: 73.4/53

110.440 $\pm$ 149.248 χ^2 /NDF: 28.7/27

asym_left_avg_correction_rms vs Slug, Sign Corrected



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

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

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

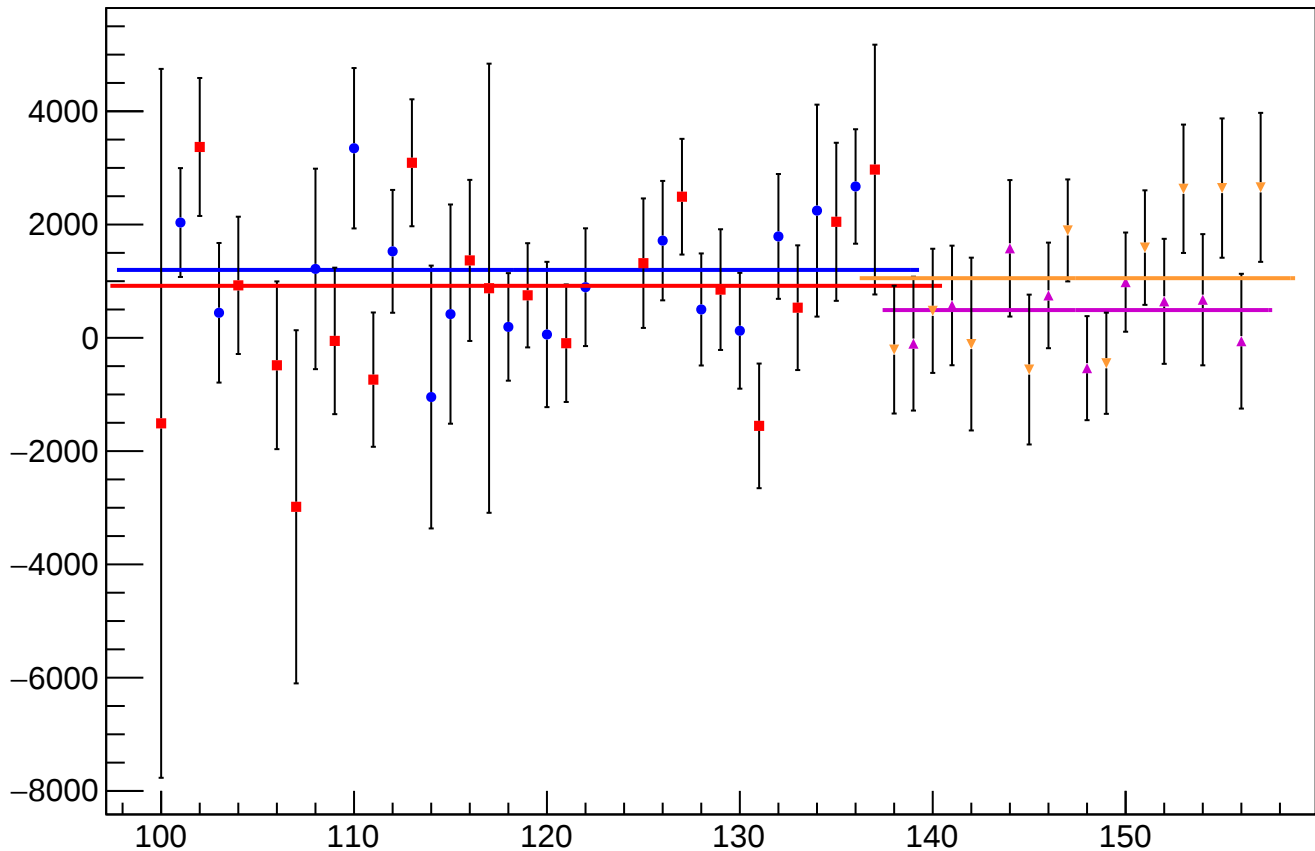
Left In: 727.660 +/- 0.193 χ^2/NDF : 438034.2/8

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

530.598 +/- 0.075 χ^2/NDF : 6572072.0/53

530.740 +/- 0.106 χ^2/NDF : 3388470.4/27

asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 1053.059 ± 351.298 χ^2/NDF : 12.7/9

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

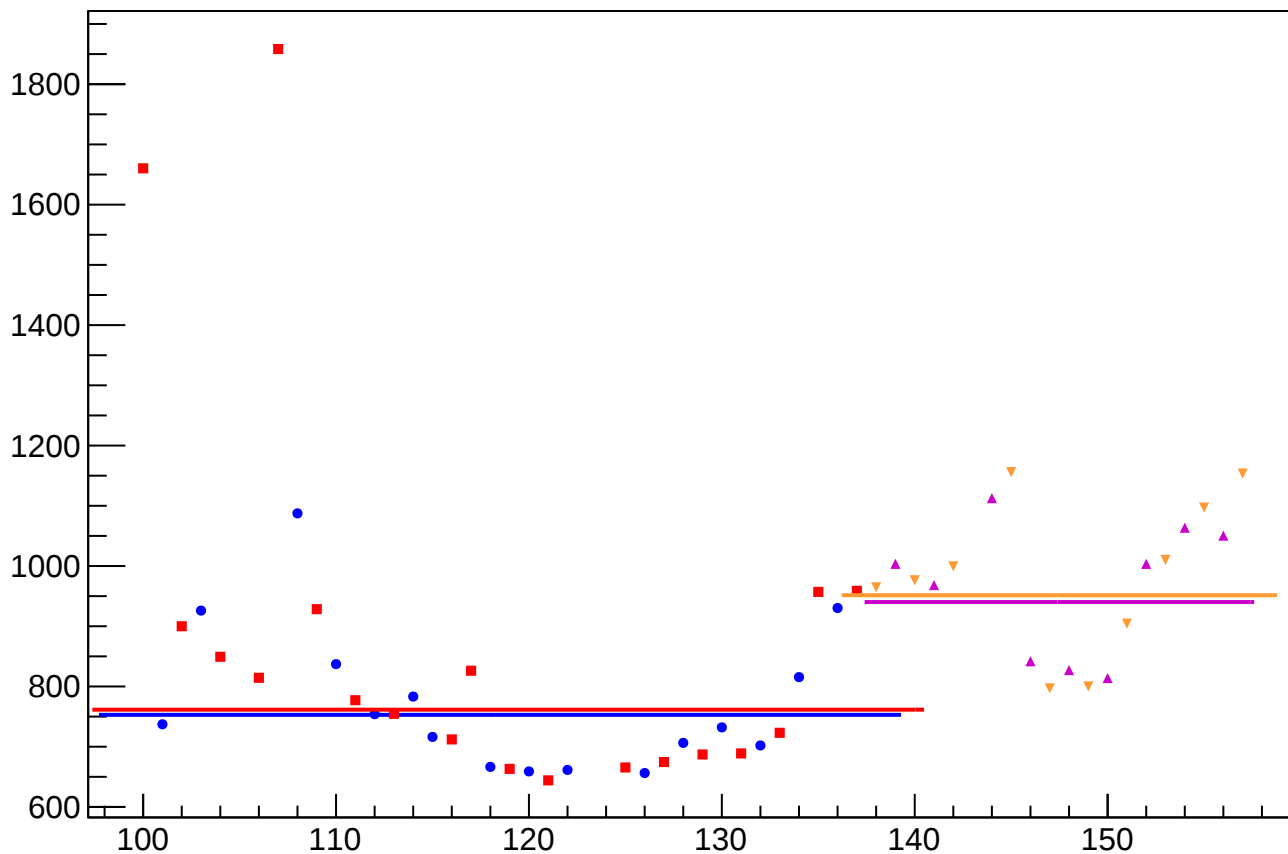
Left In: 490.104 ± 348.889 χ^2/NDF : 3.0/8

1138.572 ± 226.021 χ^2/NDF : 24.0/25

938.378 ± 159.154 χ^2/NDF : 52.6/53

741.491 ± 224.146 χ^2/NDF : 27.1/27

asym_left_avg_rms vs Slug, Sign Corrected



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

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

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

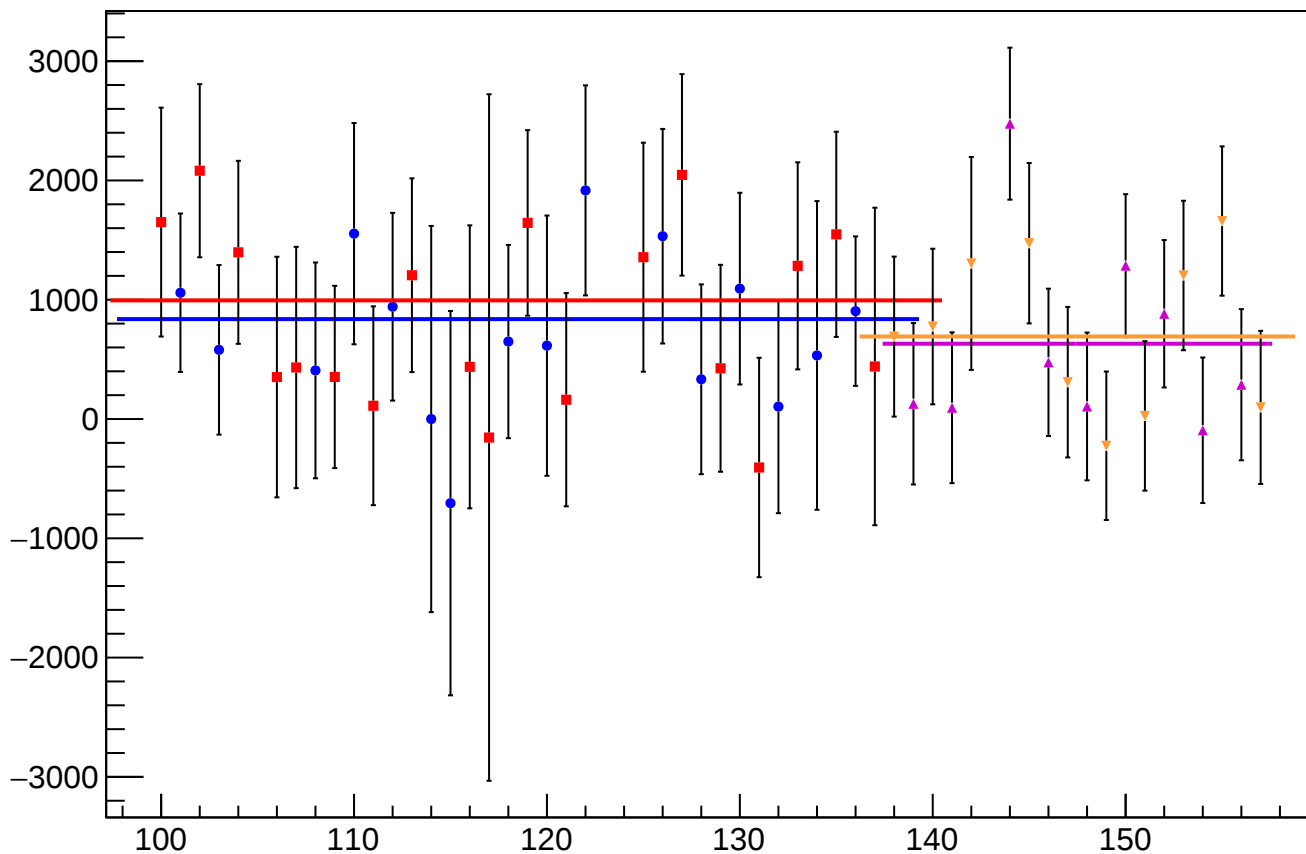
Left In: 940.197+/-0.247 χ^2/NDF : 188704.0/8

835.149+/-0.160 χ^2/NDF : 879624.9/25

835.208+/-0.113 χ^2/NDF : 1894068.8/53

835.266+/-0.158 χ^2/NDF : 1014443.6/27

reg_asym_left_dd_mean vs Slug, Sign Corrected



Right In: 837.557 $\pm$ 216.015 χ^2/NDF : 5.7/15

Left Out: 692.005 $\pm$ 207.561 χ^2/NDF : 9.4/9

Right Out: 994.626 $\pm$ 207.208 χ^2/NDF : 12.7/18

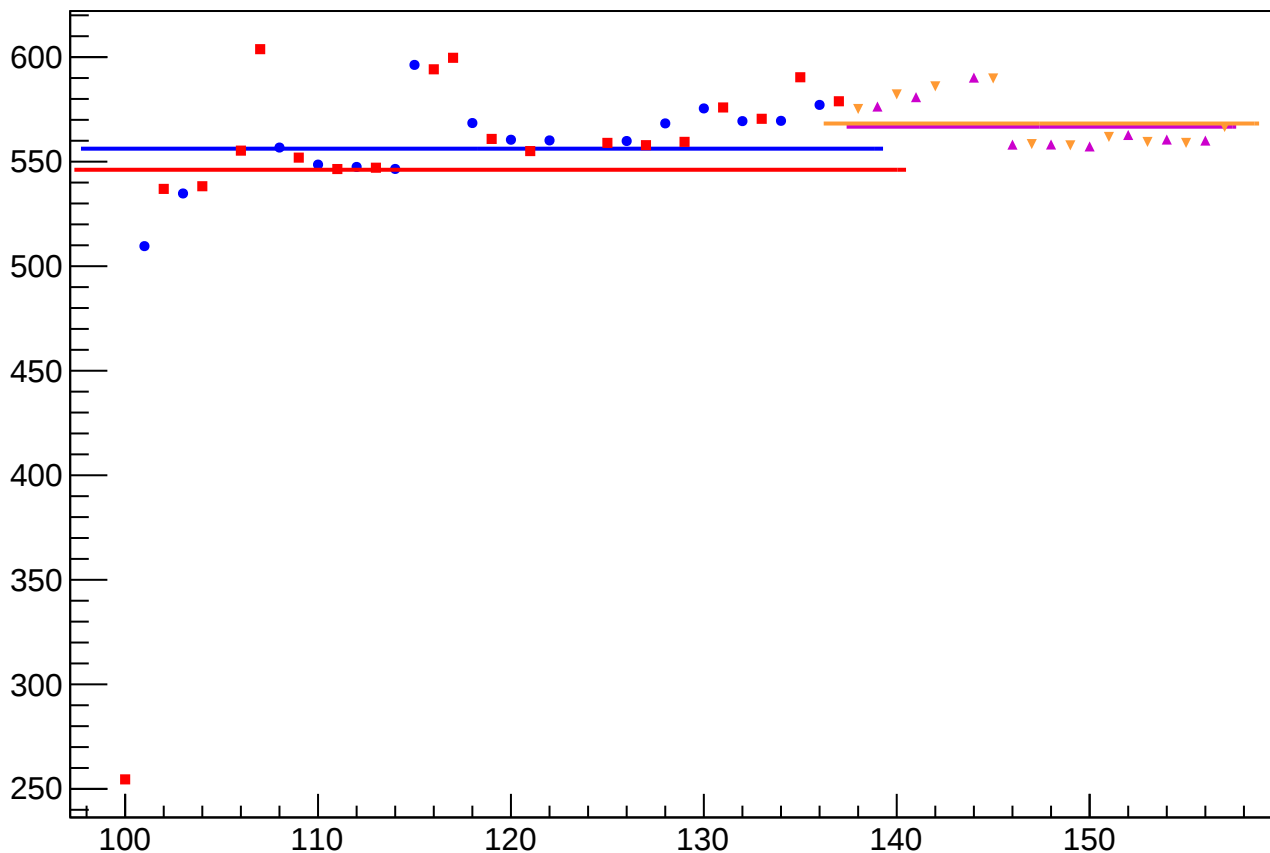
Left In: 631.188 $\pm$ 208.678 χ^2/NDF : 13.5/8

761.877 $\pm$ 149.667 χ^2/NDF : 15.4/25

788.498 $\pm$ 104.888 χ^2/NDF : 43.2/53

814.191 $\pm$ 147.035 χ^2/NDF : 27.7/27

reg_asym_left_dd_rms vs Slug, Sign Corrected



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

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

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

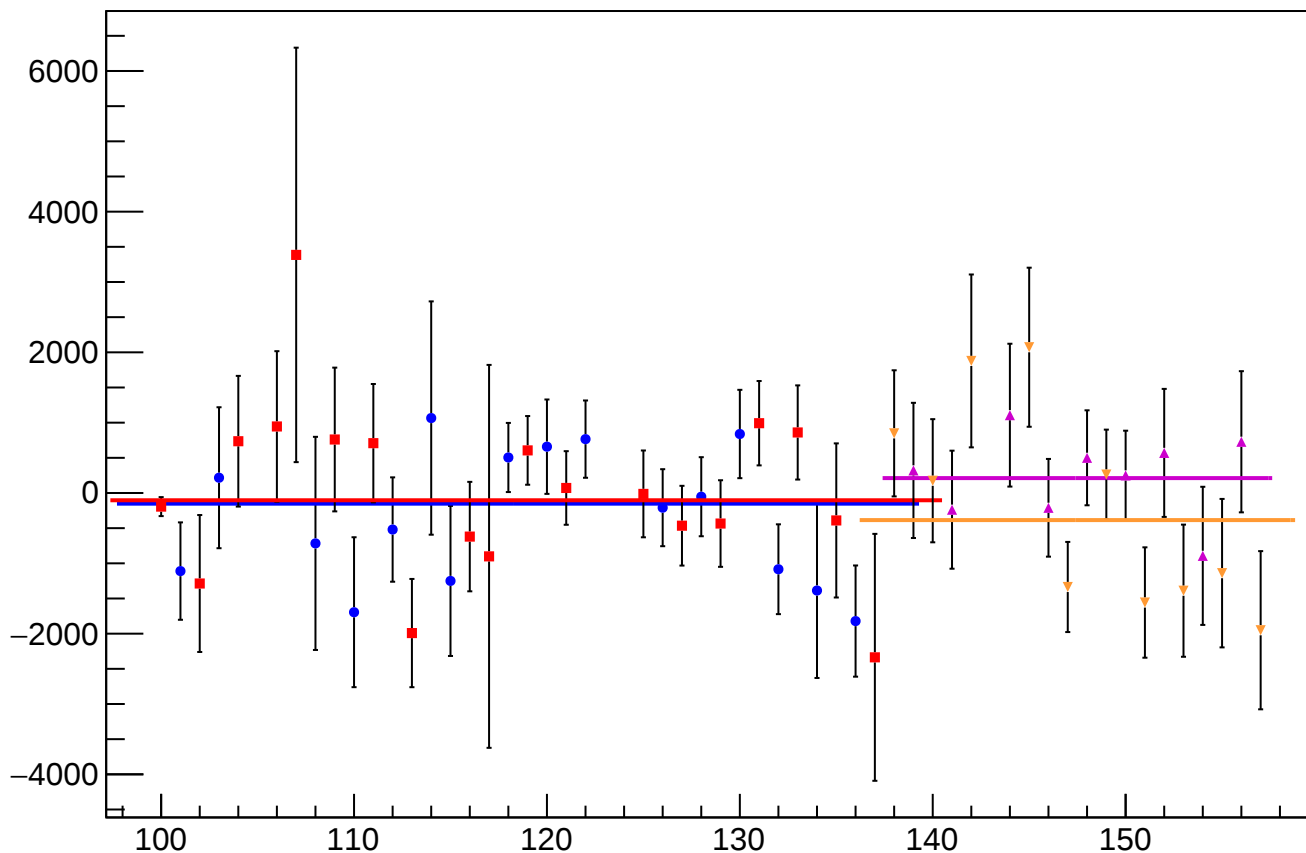
Left In: 566.725 $\pm$ 0.148 χ^2 /NDF: 5887.3/8

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

559.354 $\pm$ 0.074 χ^2 /NDF: 253464.3/53

556.352 $\pm$ 0.104 χ^2 /NDF: 224039.2/27

asym_left_dd_correction_mean vs Slug, Sign Corrected



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

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

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

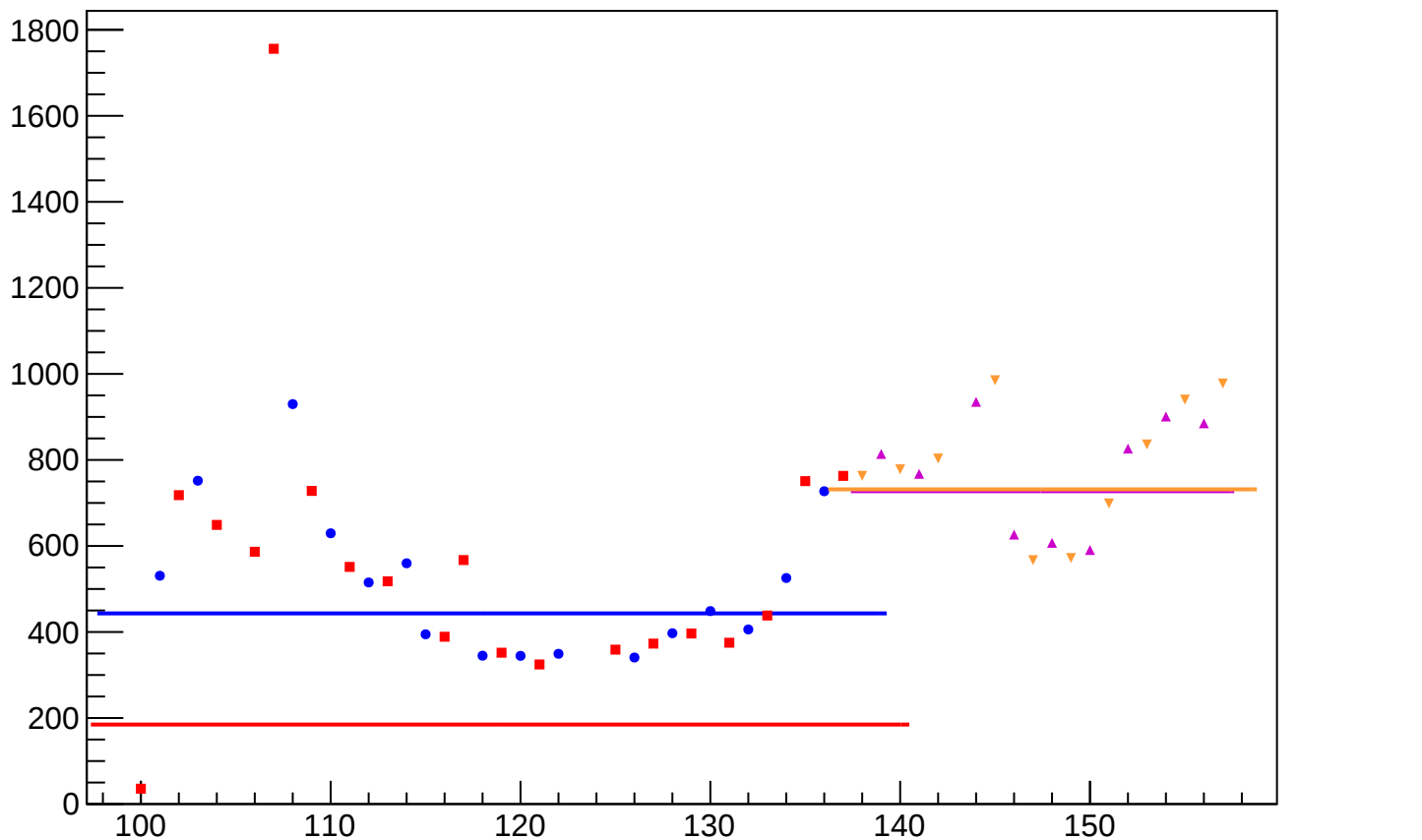
Left In: 211.765+/-272.704 χ^2/NDF : 3.3/8

-221.963+/-150.428 χ^2/NDF : 42.2/25

-110.313+/-83.341 χ^2/NDF : 70.8/53

-60.866+/-100.109 χ^2/NDF : 27.8/27

asym_left_dd_correction_rms vs Slug, Sign Corrected



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

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

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

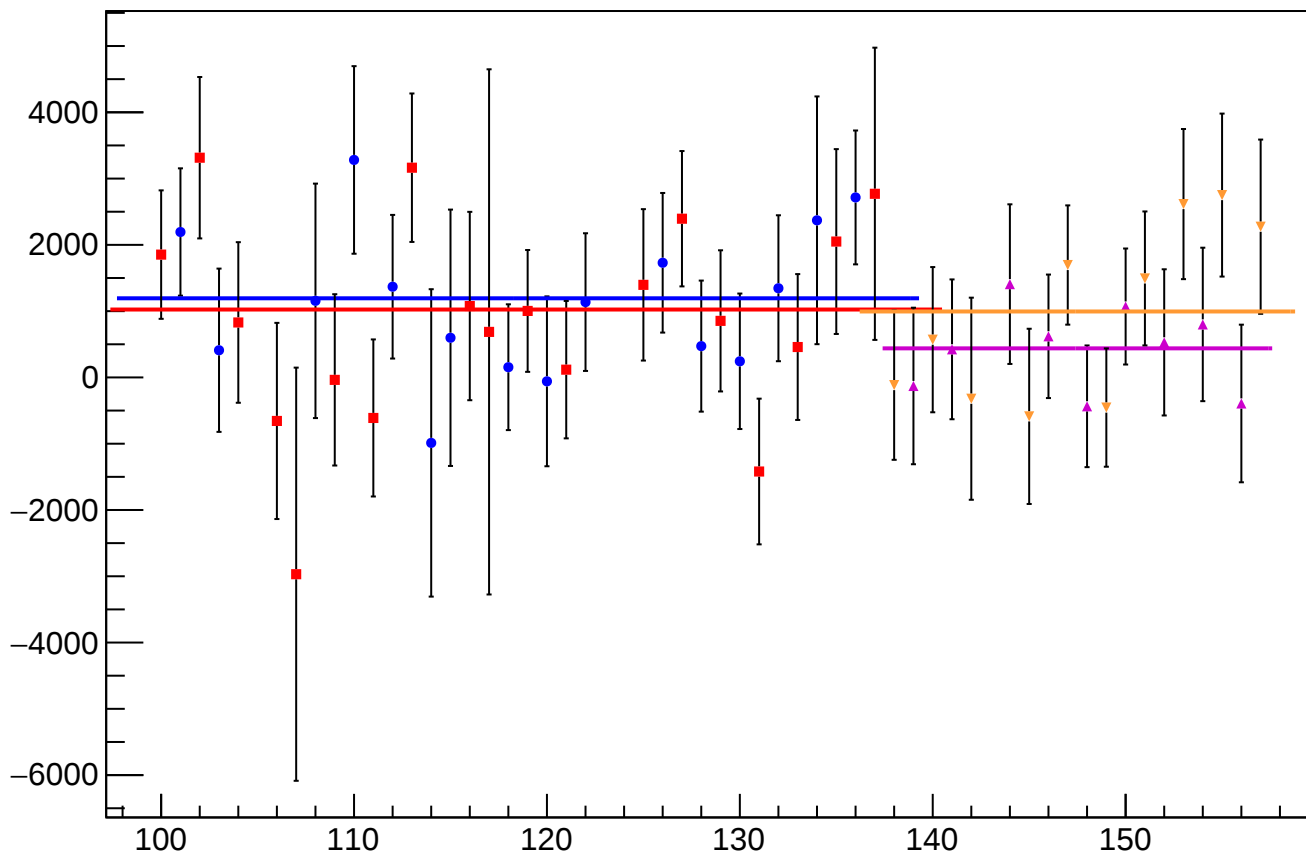
Left In: 727.258 +/- 0.193 χ^2/NDF : 437974.7/8

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

341.490 +/- 0.059 χ^2/NDF : 23129283.9/53

257.914 +/- 0.071 χ^2/NDF : 15404194.6/27

asym_left_dd_mean vs Slug, Sign Corrected



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

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

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

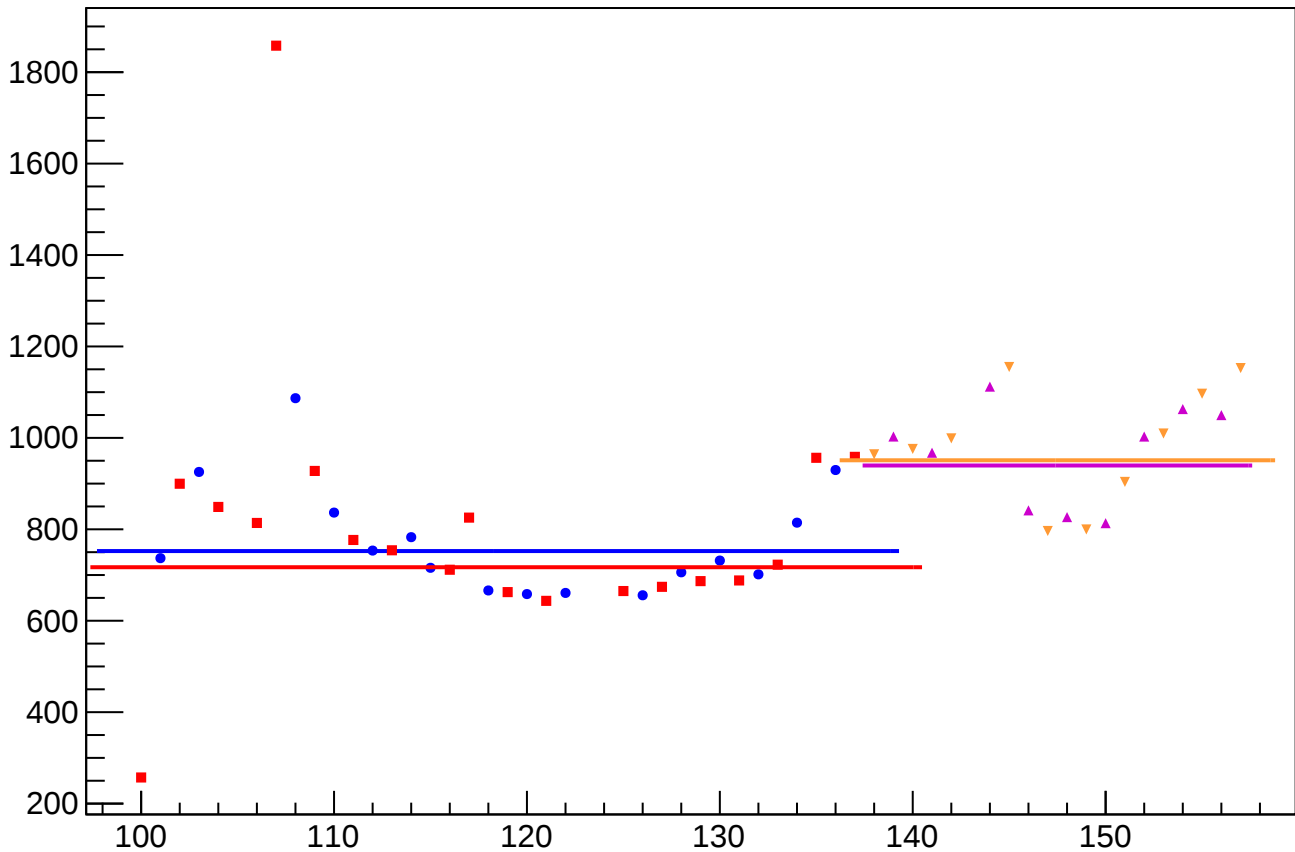
Left In: 438.500 $\pm$ 348.667 χ^2/NDF : 2.9/8

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

947.725 $\pm$ 157.000 χ^2/NDF : 51.4/53

794.594 $\pm$ 218.374 χ^2/NDF : 27.2/27

asym_left_dd_rms vs Slug, Sign Corrected



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

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

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

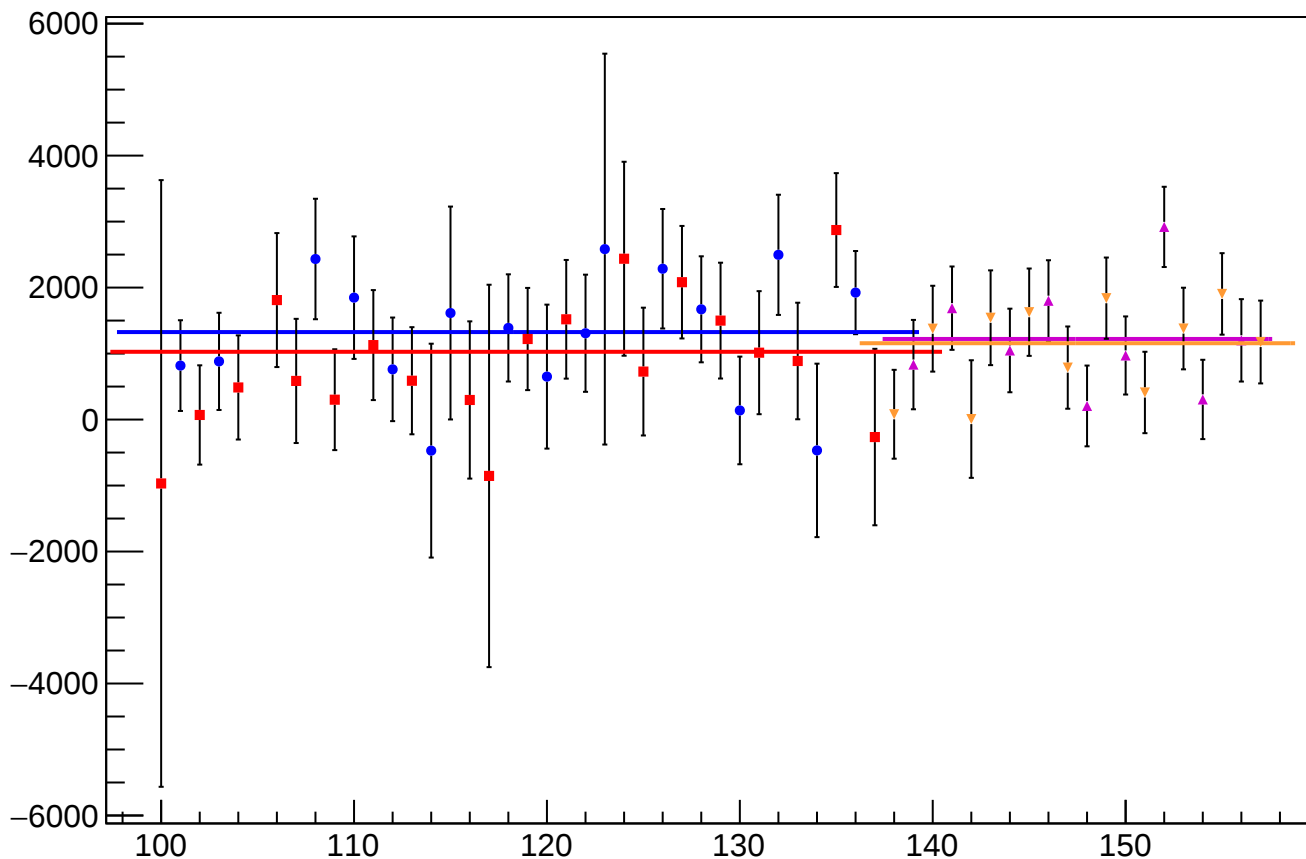
Left In: 939.595 +/- 0.247 χ^2/NDF : 188748.4/8

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

818.977 +/- 0.111 χ^2/NDF : 2550926.9/53

804.357 +/- 0.154 χ^2/NDF : 1652290.3/27

reg_asym_right_avg_mean vs Slug, Sign Corrected



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

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

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

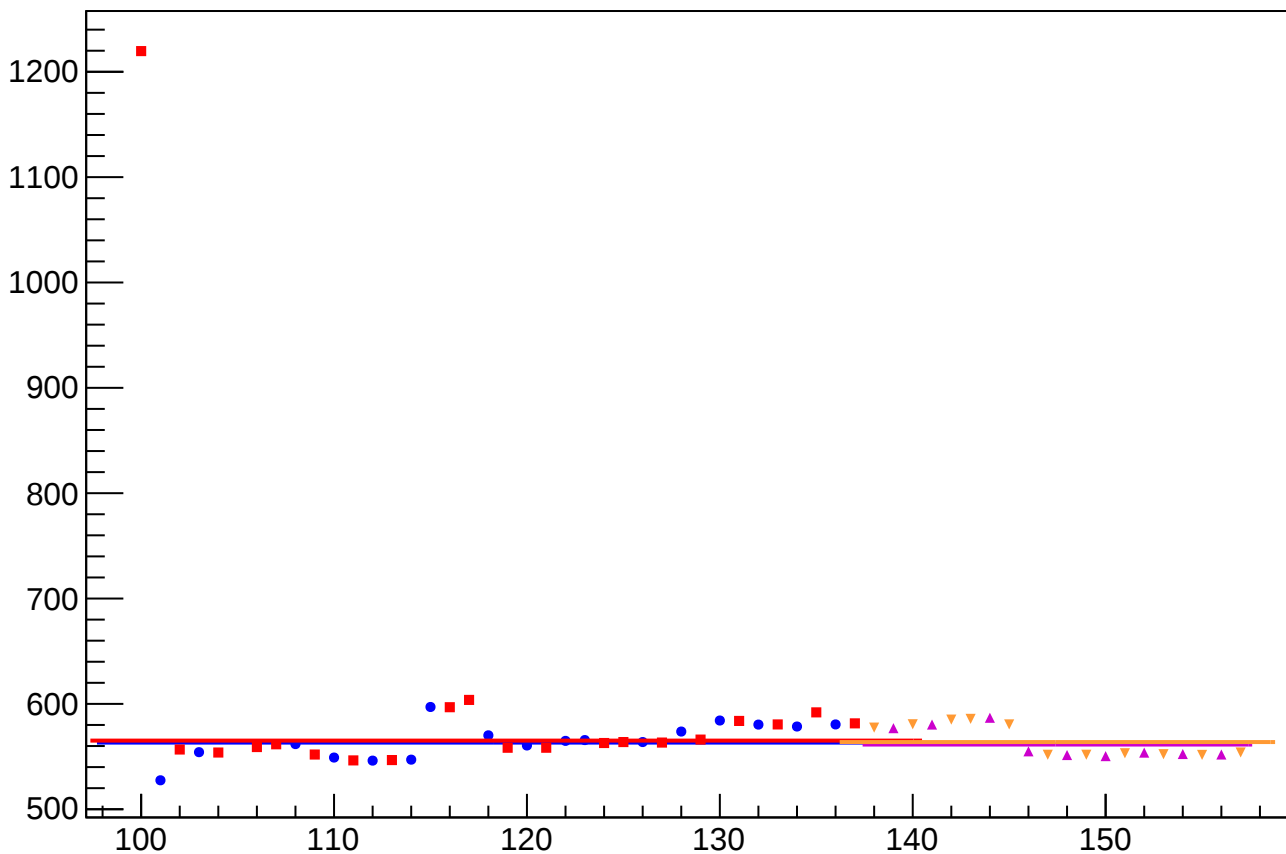
Left In: 1221.420 $\pm$ 206.741 χ^2 /NDF:14.9/8

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

1180.001 $\pm$ 103.951 χ^2 /NDF: 52.4/56

1126.200 $\pm$ 147.678 χ^2 /NDF: 29.2/28

reg_asym_right_avg_rms vs Slug, Sign Corrected



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

Left Out: 563.769 $\pm$ 0.140 χ^2 /NDF: 10561.1/10

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

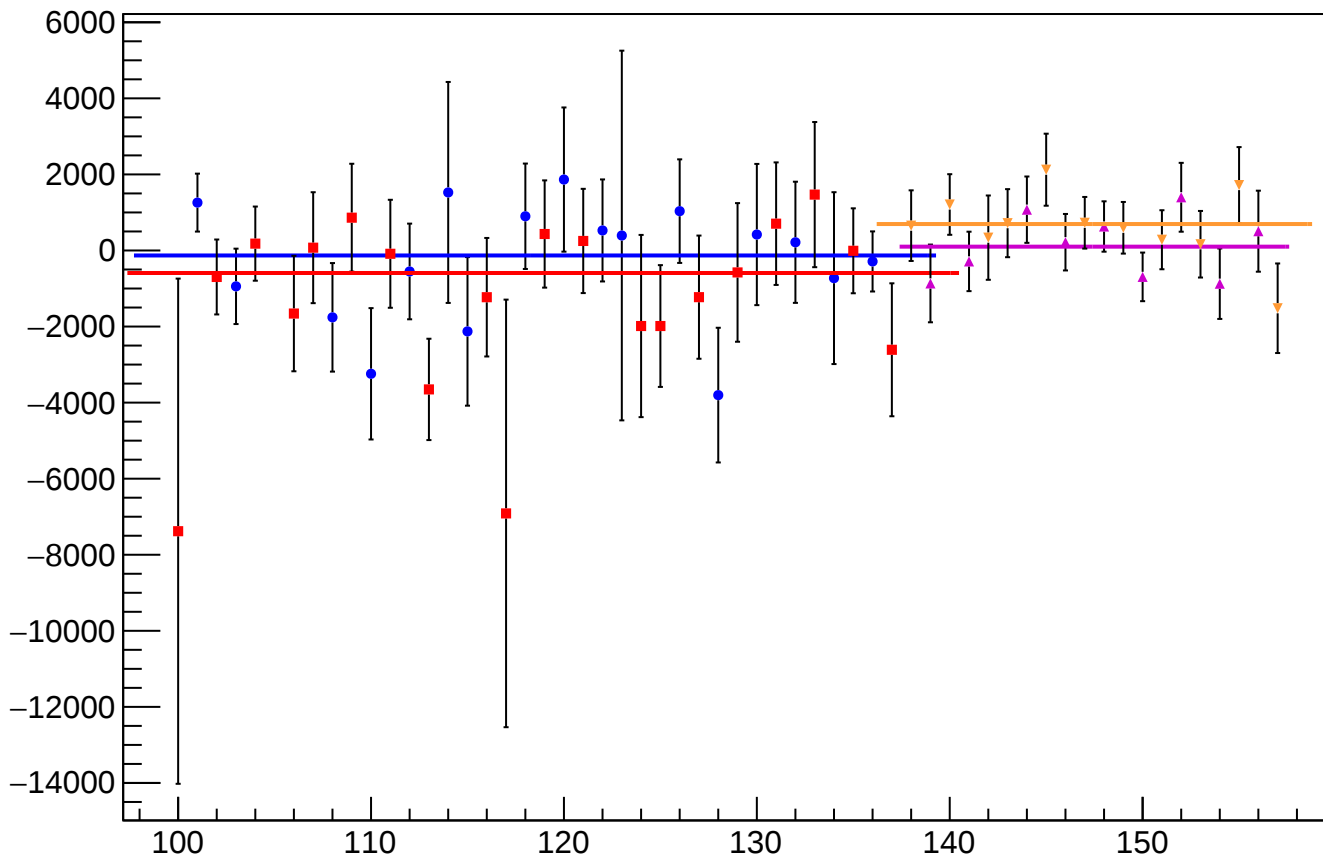
Left In: 561.411 $\pm$ 0.146 χ^2 /NDF: 8748.1/8

563.542 $\pm$ 0.103 χ^2 /NDF: 23087.3/27

563.394 $\pm$ 0.074 χ^2 /NDF: 81813.0/56

563.242 $\pm$ 0.104 χ^2 /NDF: 58721.6/28

asym_right_avg_correction_mean vs Slug, Sign Corrected



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

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

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

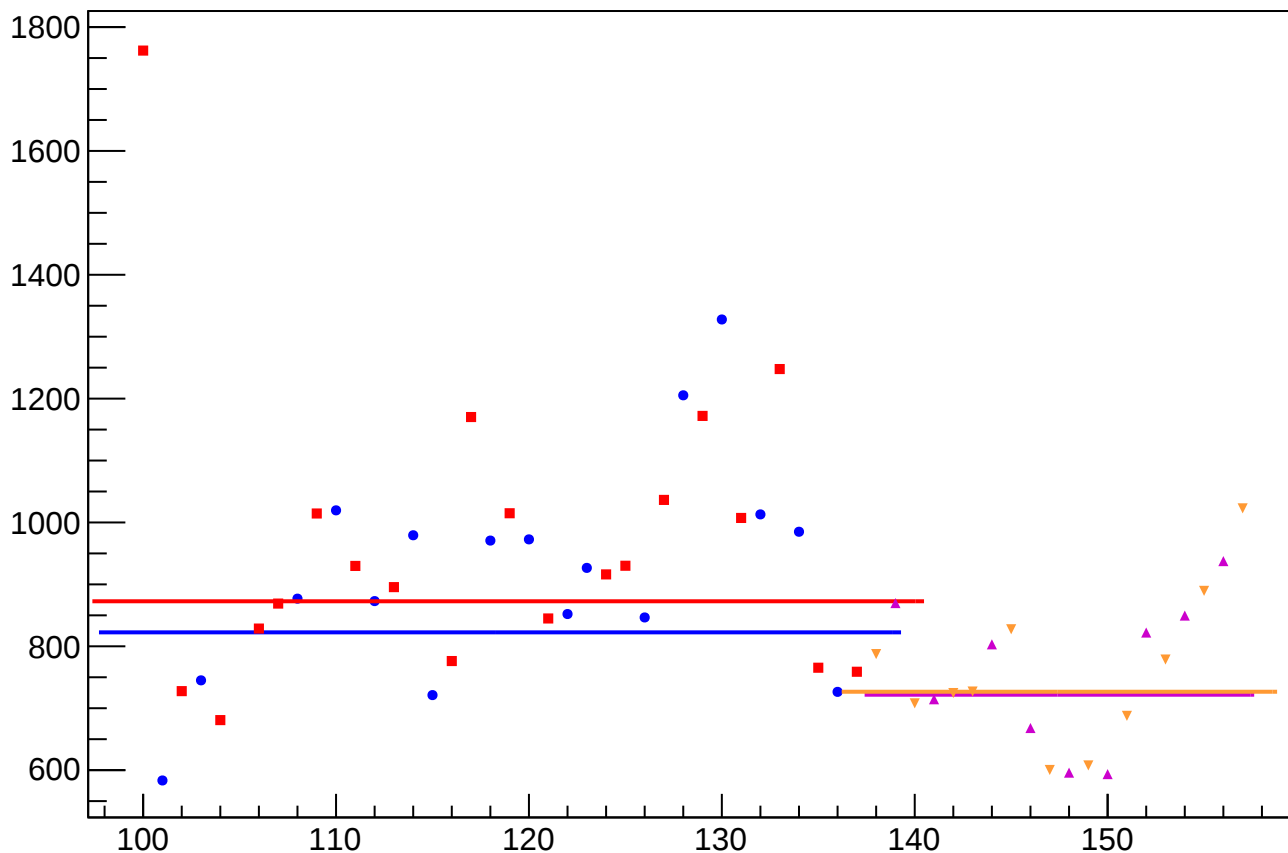
Left In: 100.579 $\pm$ 269.965 χ^2/NDF : 7.9/8

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

109.912 $\pm$ 145.763 χ^2/NDF : 59.2/56

-175.242 $\pm$ 209.413 χ^2/NDF : 26.4/28

asym_right_avg_correction_rms vs Slug, Sign Corrected



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

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

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

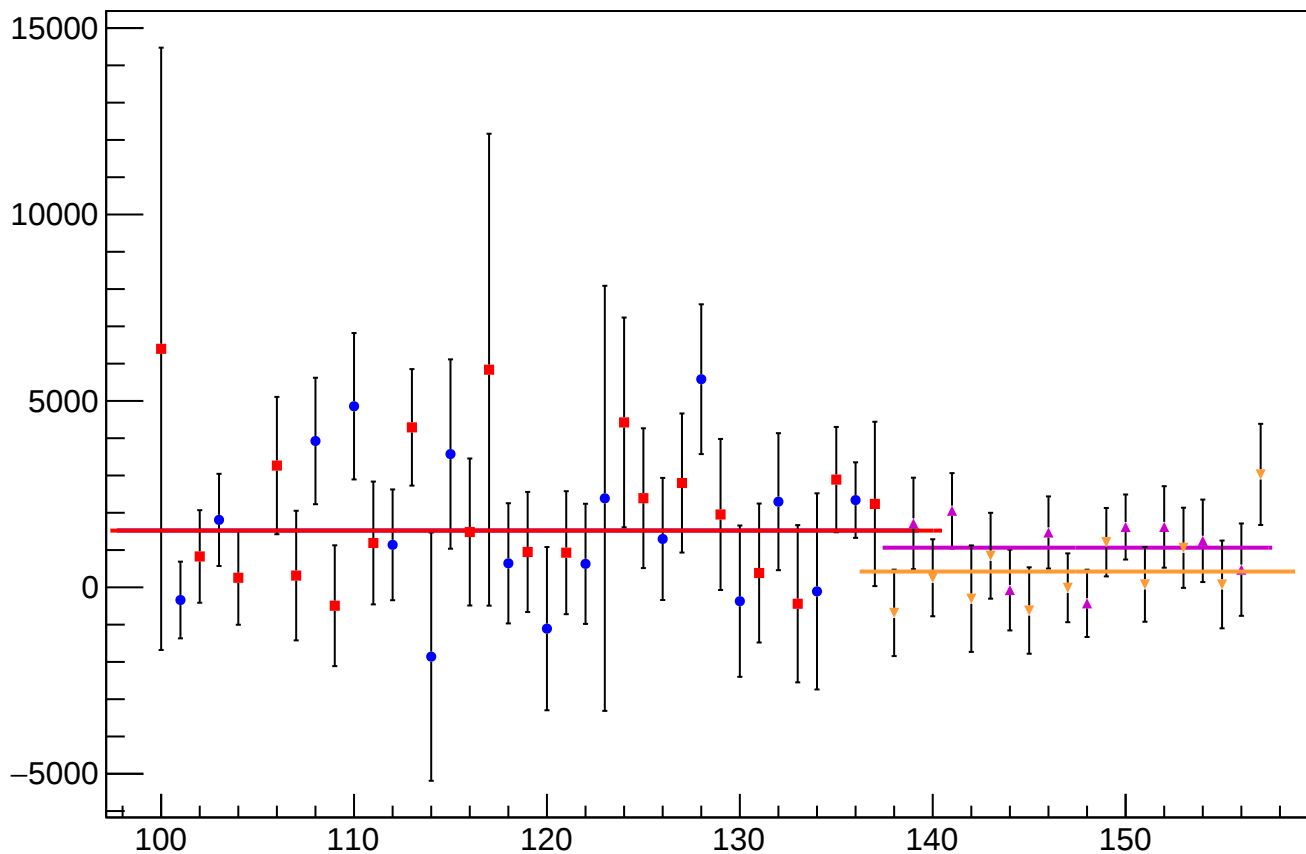
Left In: 721.823+/-0.191 χ^2/NDF : 367522.2/8

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

772.405+/-0.103 χ^2/NDF : 2098357.3/56

781.922+/-0.148 χ^2/NDF : 1028868.1/28

asym_right_avg_mean vs Slug, Sign Corrected



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

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

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

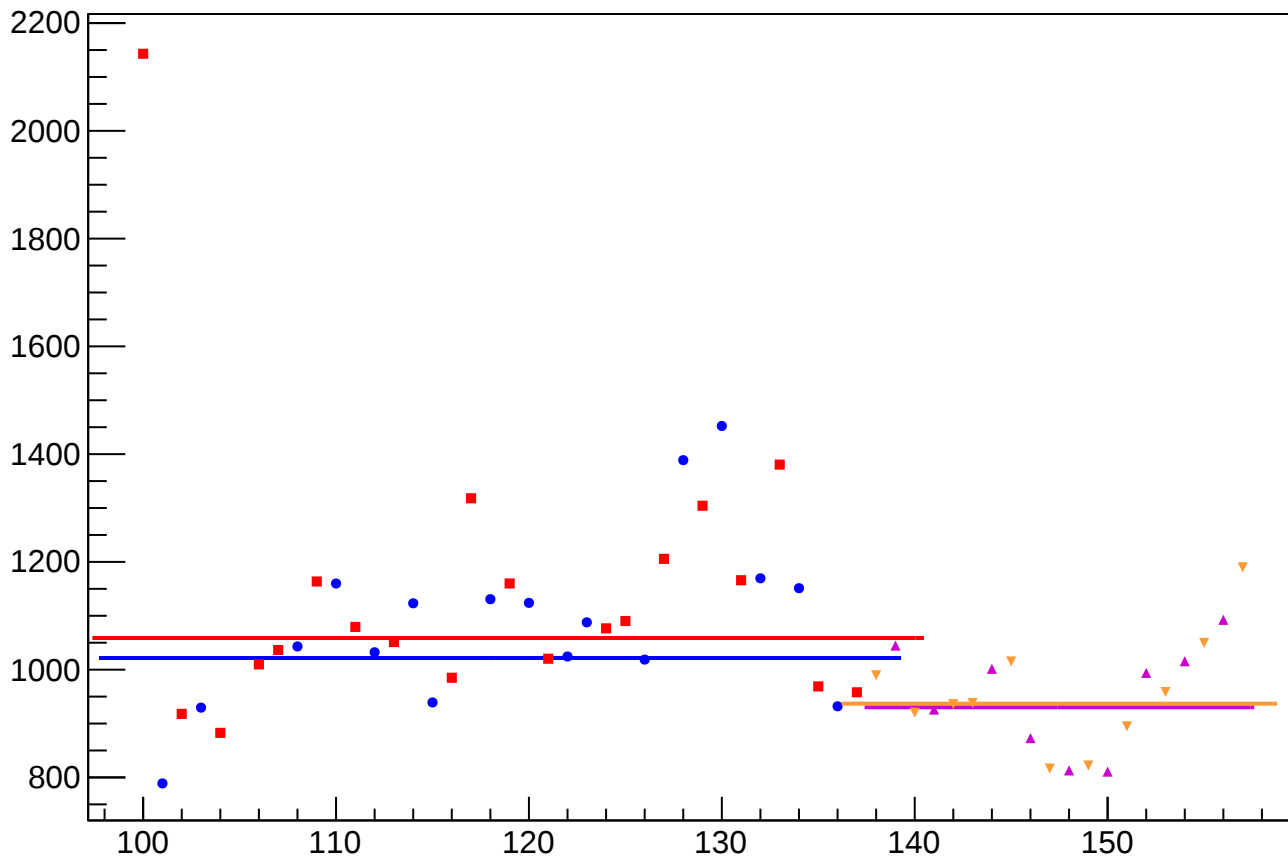
Left In: 1063.917 $\pm$ 344.746 χ^2/NDF : 6.2/8

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

1059.591 $\pm$ 182.441 χ^2/NDF : 50.7/56

1259.478 $\pm$ 260.905 χ^2/NDF : 19.5/28

asym_right_avg_rms vs Slug, Sign Corrected



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

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

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

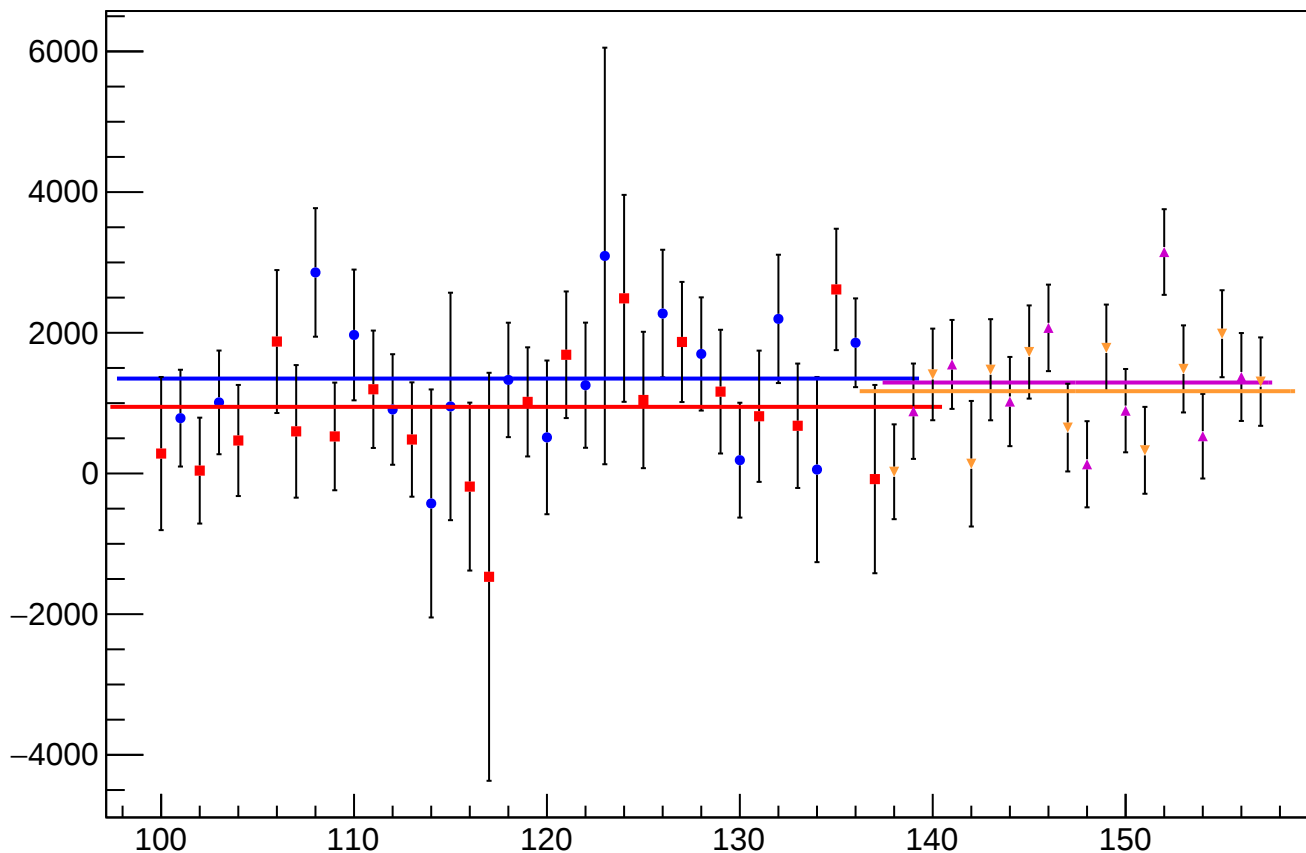
Left In: 930.196+/-0.244 χ^2/NDF : 157395.3/8

971.101+/-0.180 χ^2/NDF : 556517.3/27

977.963+/-0.129 χ^2/NDF : 1070063.4/56

985.134+/-0.184 χ^2/NDF : 510589.3/28

reg_asym_right_dd_mean vs Slug, Sign Corrected



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

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

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

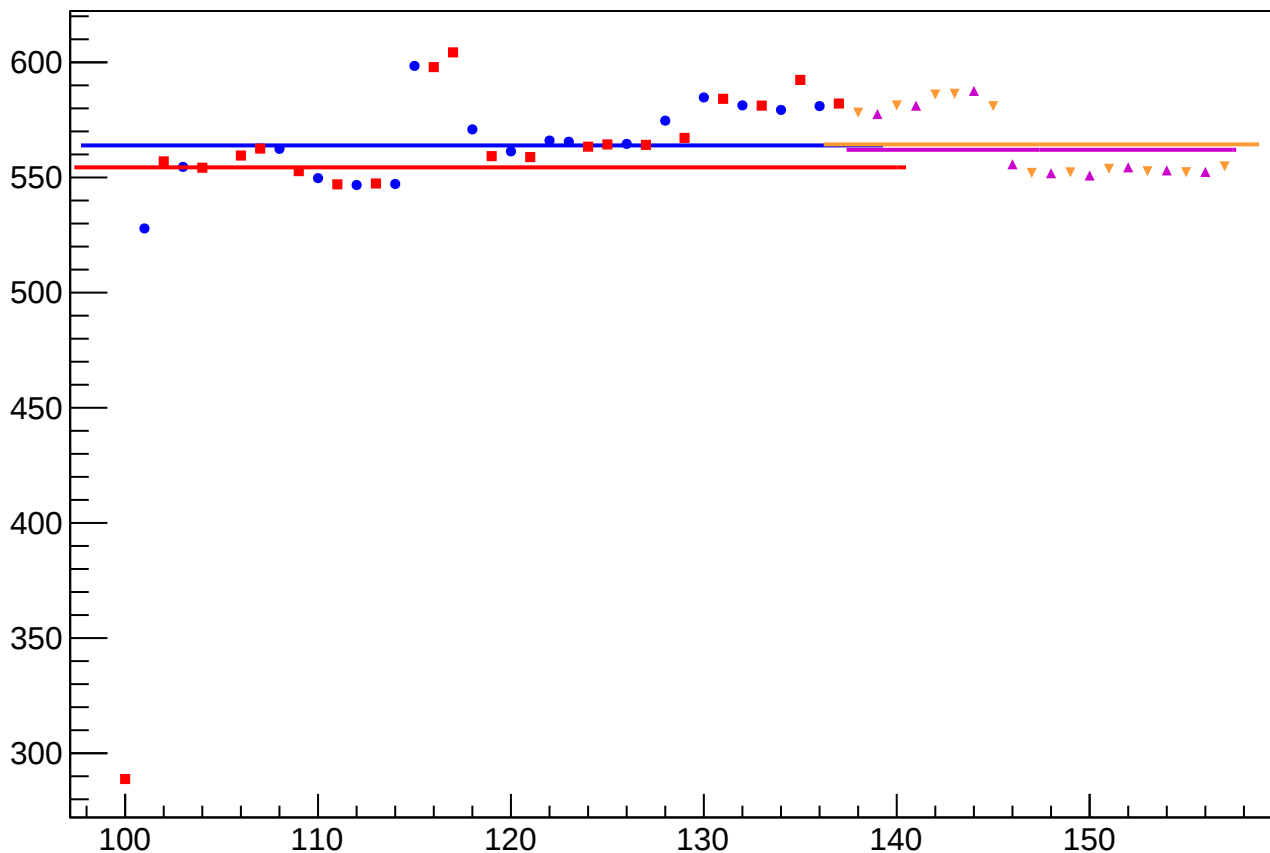
Left In: 1292.913 $\pm$ 206.967 χ^2 /NDF:17.3/8

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

1185.538 $\pm$ 103.621 χ^2 /NDF: 55.5/56

1120.518 $\pm$ 146.574 χ^2 /NDF: 31.6/28

reg_asym_right_dd_rms vs Slug, Sign Corrected



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

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

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

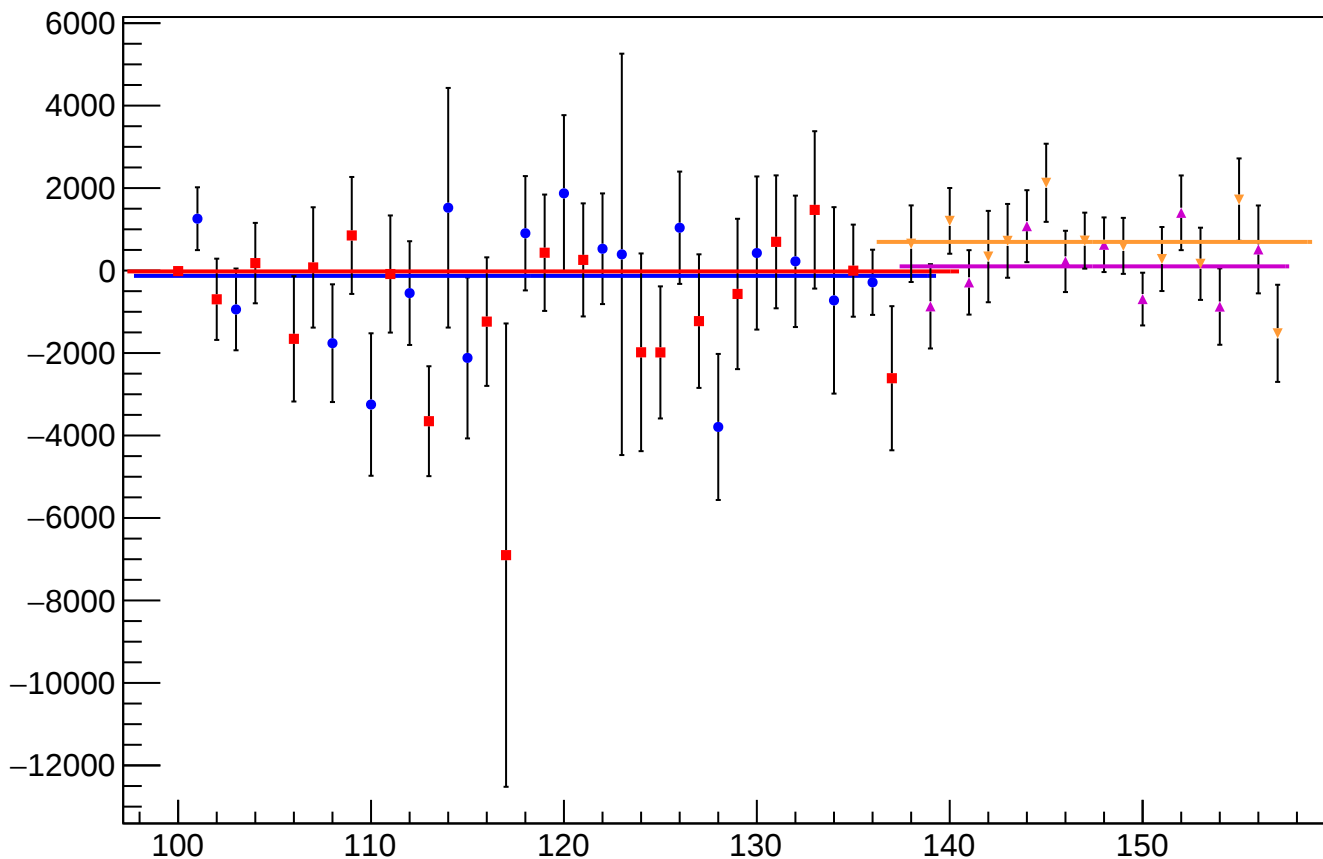
Left In: 562.022 ± 0.146 χ^2/NDF : 8831.6/8

564.167 ± 0.104 χ^2/NDF : 23242.6/27

561.197 ± 0.073 χ^2/NDF : 167631.2/56

558.224 ± 0.104 χ^2/NDF : 142743.7/28

asym_right_dd_correction_mean vs Slug, Sign Corrected



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

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

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

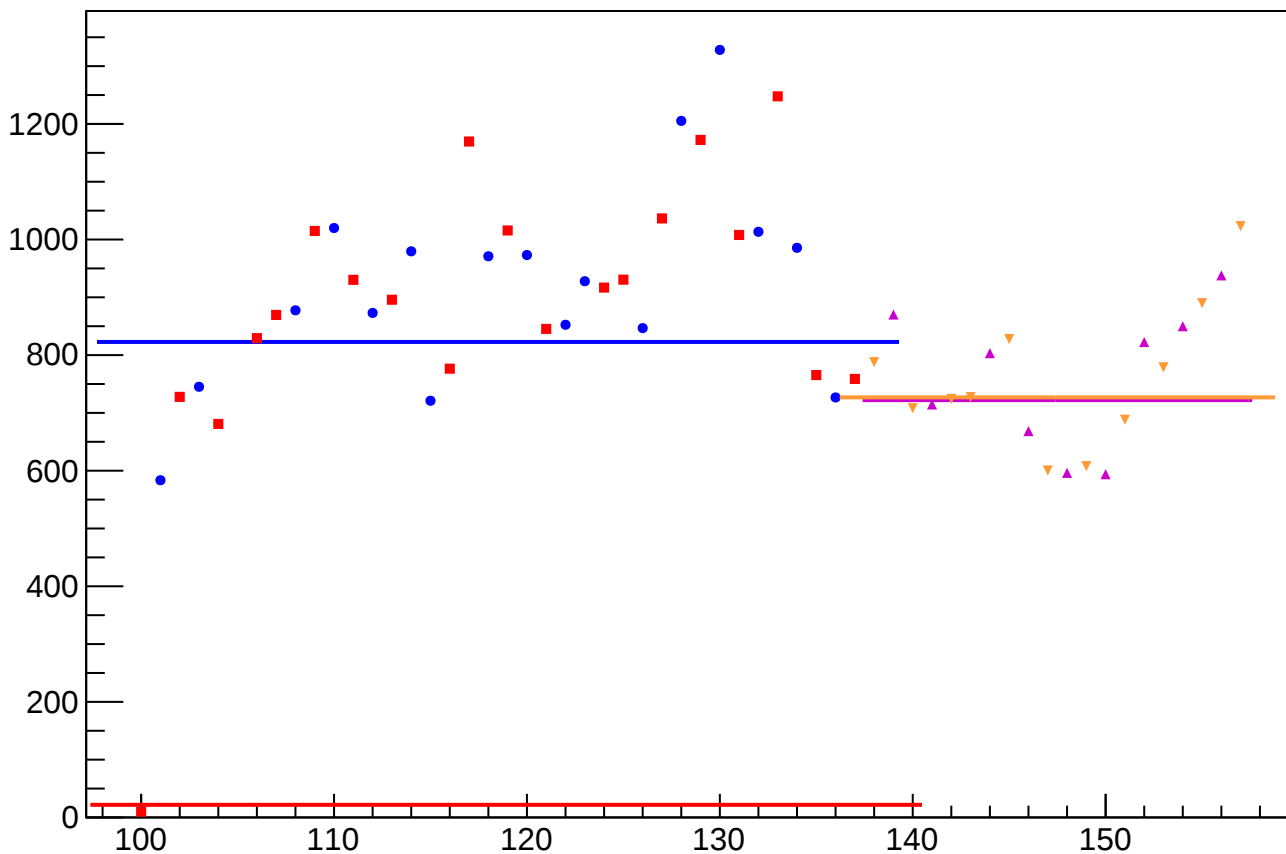
Left In: 101.718+/-270.080 χ^2/NDF : 7.9/8

378.422+/-203.087 χ^2/NDF : 29.2/27

-4.422+/-37.878 χ^2/NDF : 58.6/56

-18.220+/-38.554 χ^2/NDF : 25.7/28

asym_right_dd_correction_rms vs Slug, Sign Corrected



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

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

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

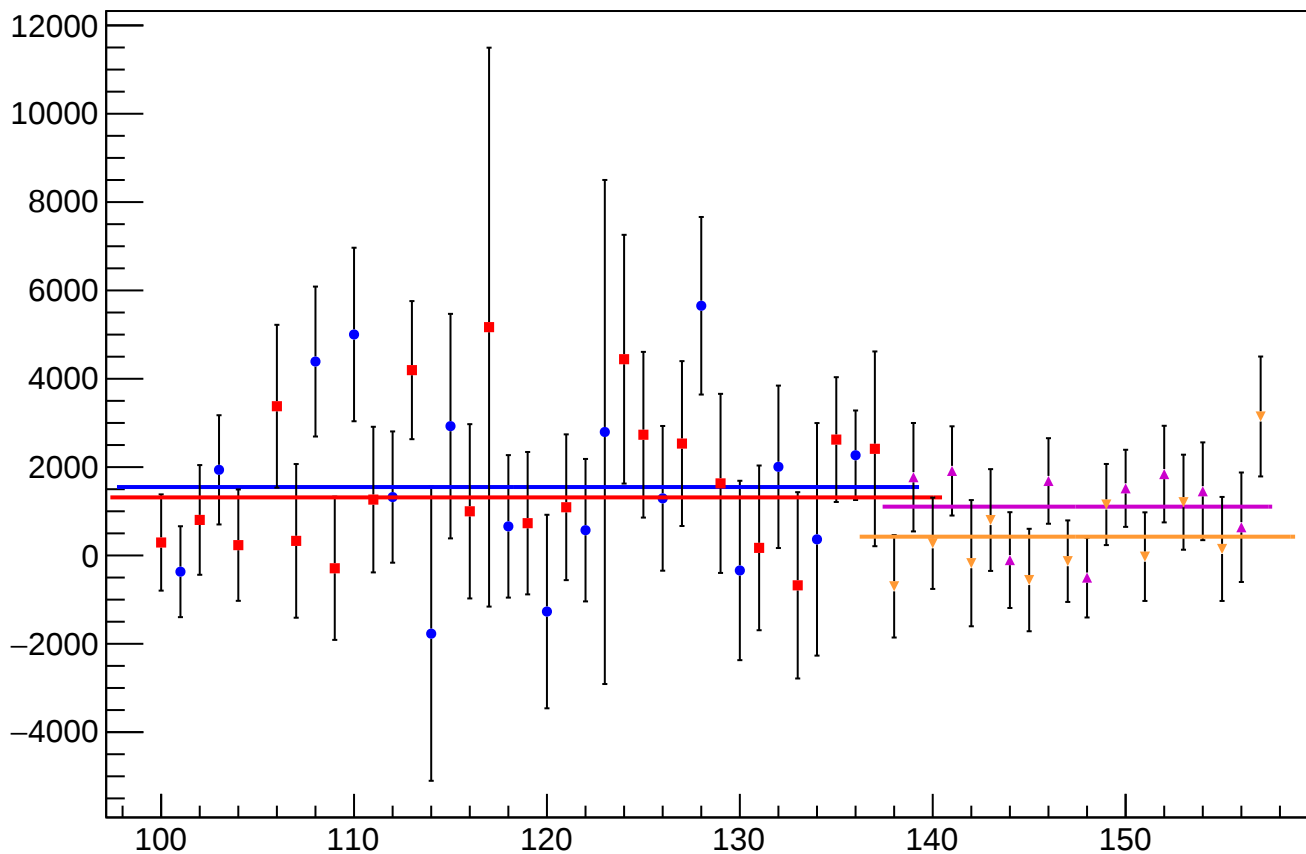
Left In: 722.139 $\pm$ 0.191 χ^2/NDF : 367236.3/8

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

61.447 $\pm$ 0.027 χ^2/NDF : 52984670.6/56

36.138 $\pm$ 0.027 χ^2/NDF : 27145888.0/28

asym_right_dd_mean vs Slug, Sign Corrected



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

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

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

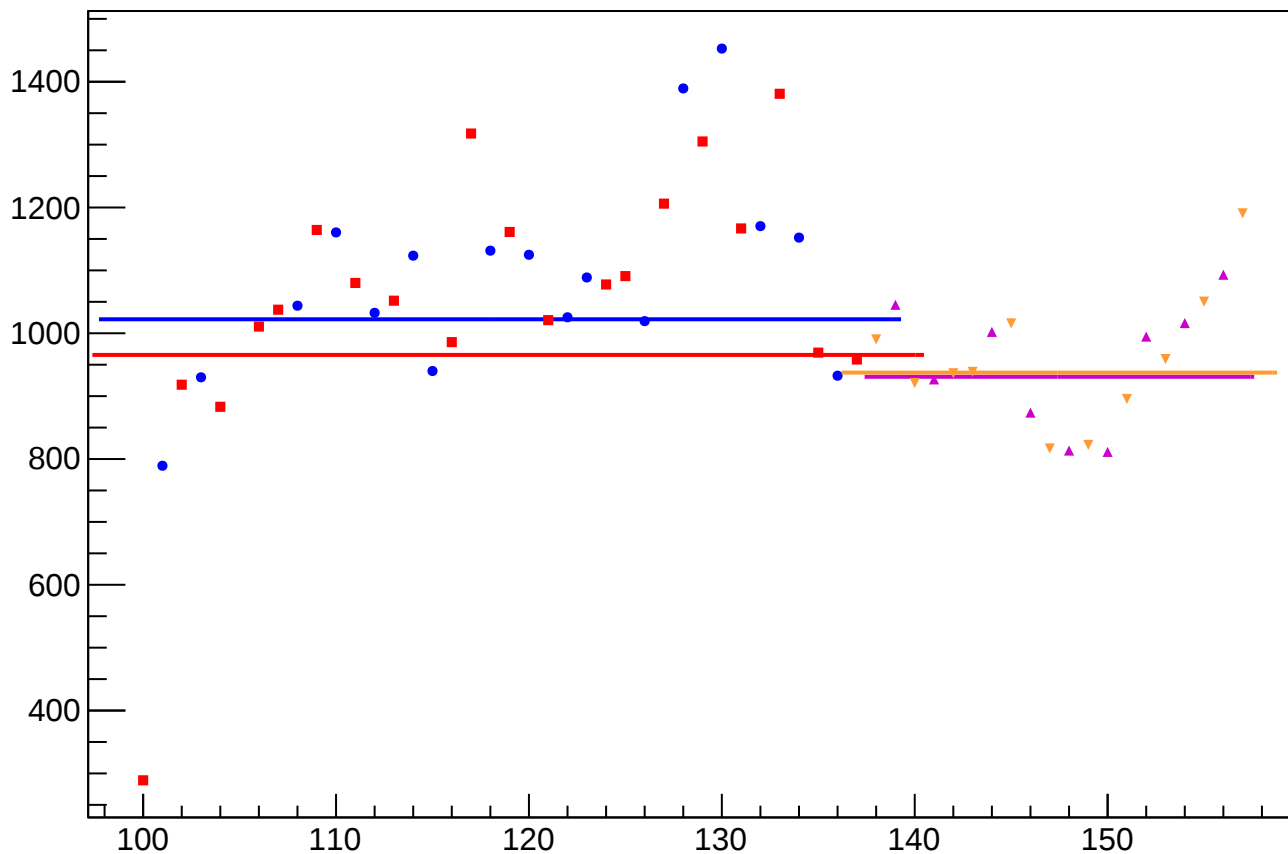
Left In: 1104.883 $\pm$ 344.973 χ^2 /NDF: 6.6/8

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

1040.568 $\pm$ 180.085 χ^2 /NDF: 51.9/56

1200.887 $\pm$ 254.003 χ^2 /NDF: 19.7/28

asym_right_dd_rms vs Slug, Sign Corrected



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

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

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

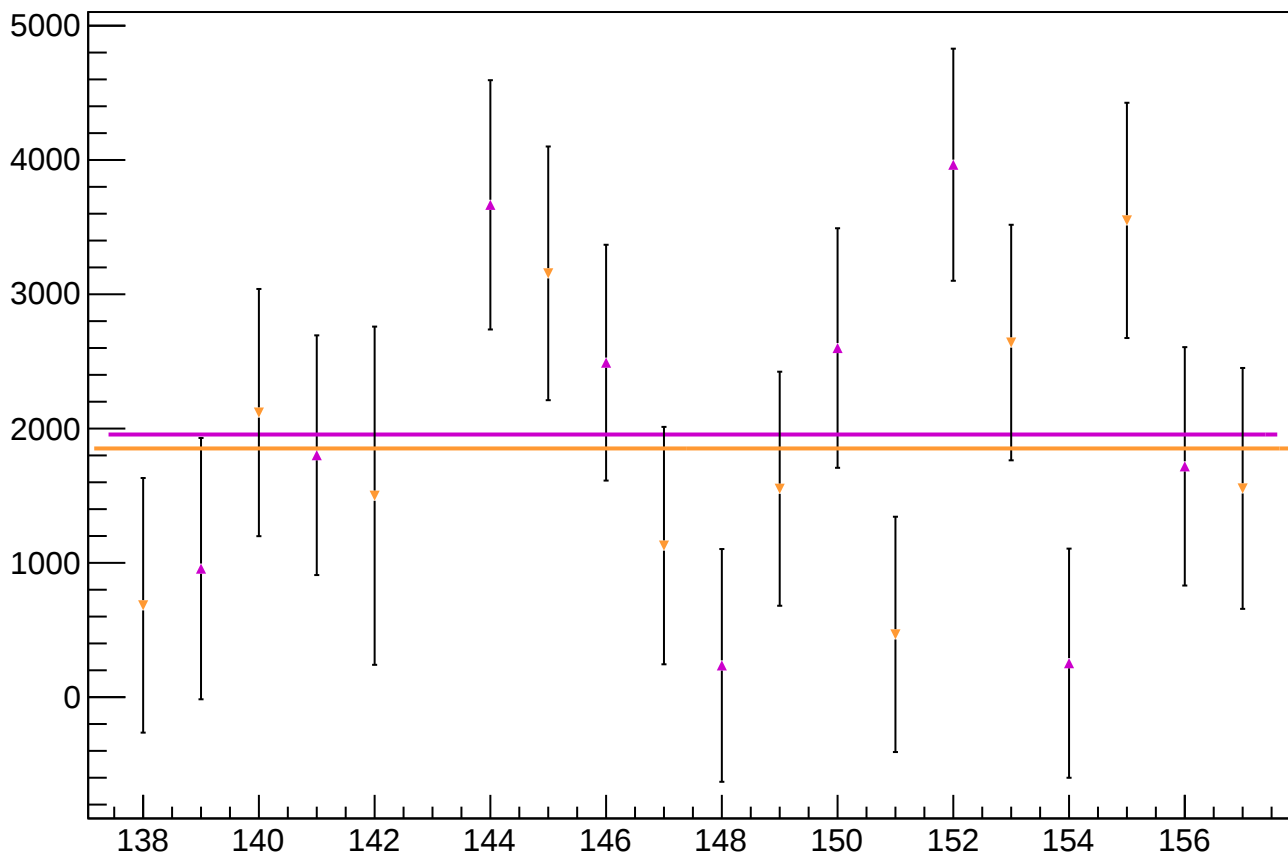
Left In: 930.812 +/- 0.244 χ^2/NDF : 157302.1/8

971.666 +/- 0.181 χ^2/NDF : 556504.7/27

959.131 +/- 0.127 χ^2/NDF : 1806190.0/56

946.728 +/- 0.180 χ^2/NDF : 1240097.3/28

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

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

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

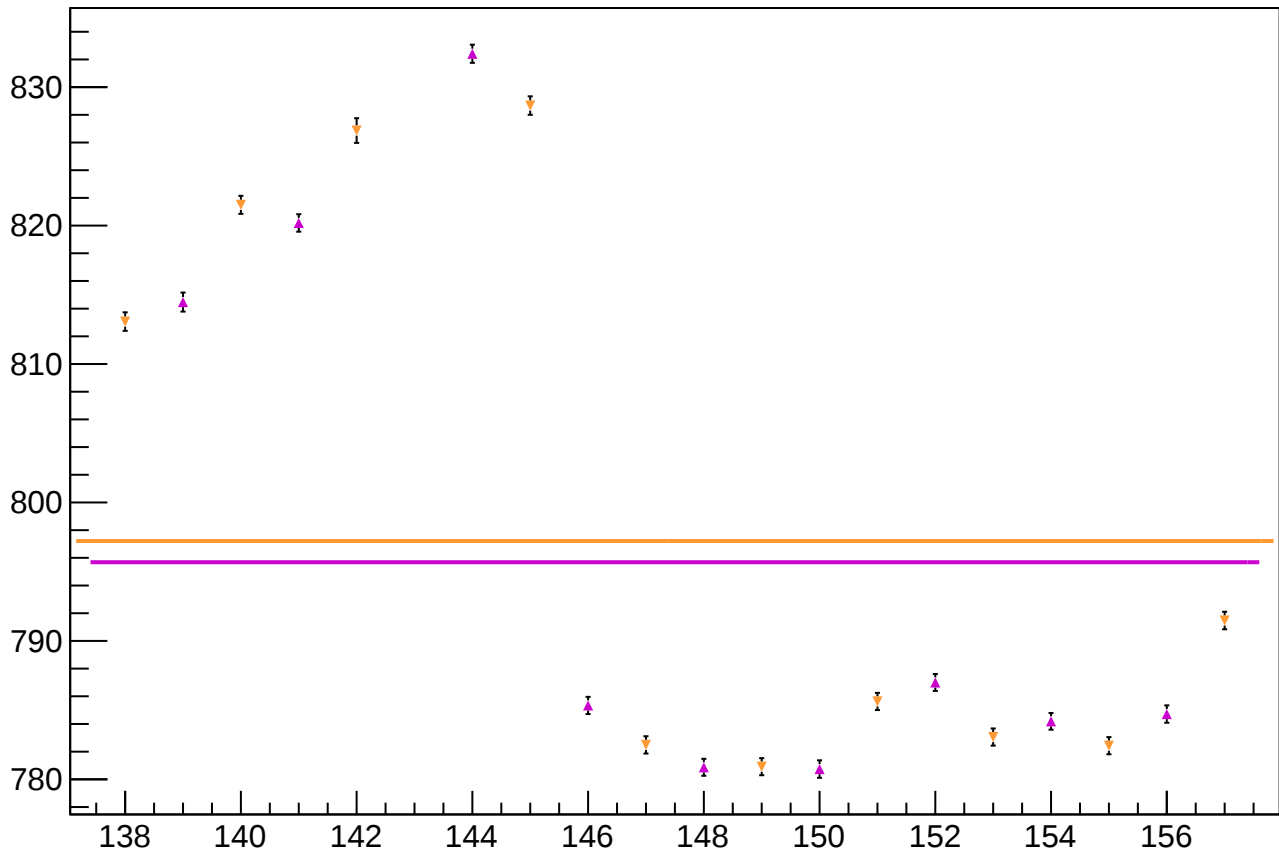
Left In: 1955.770+/-296.952 χ^2/NDF :18.8/8

1851.912+/-291.231 χ^2/NDF : 11.5/9

1902.831+/-207.925 χ^2/NDF : 30.4/18

1955.770+/-296.952 χ^2/NDF : 18.8/8

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

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

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

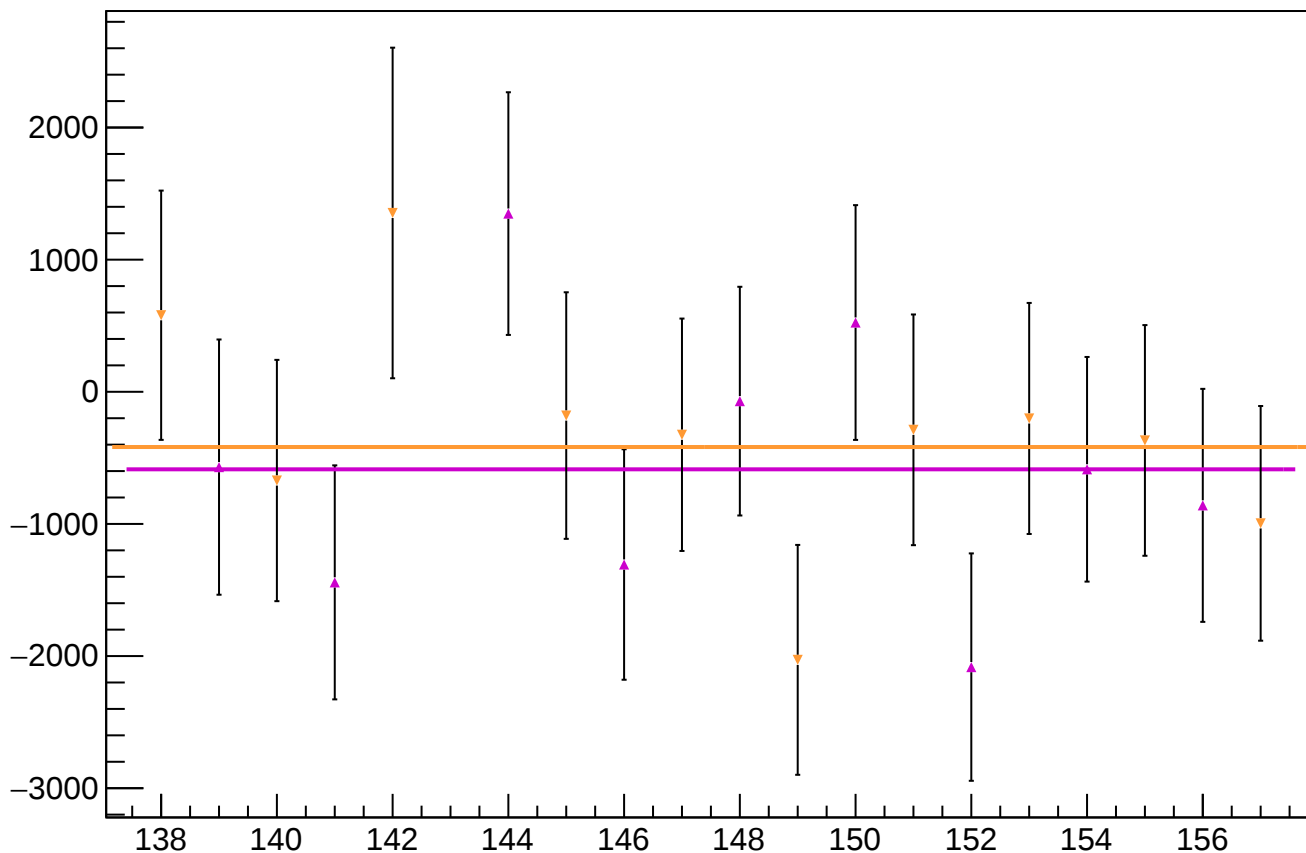
Left In: 795.683+/-0.210 χ^2/NDF : 7679.3/8

797.217+/-0.206 χ^2/NDF : 8055.3/9

796.465+/-0.147 χ^2/NDF : 15761.8/18

795.683+/-0.210 χ^2/NDF : 7679.3/8

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

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

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

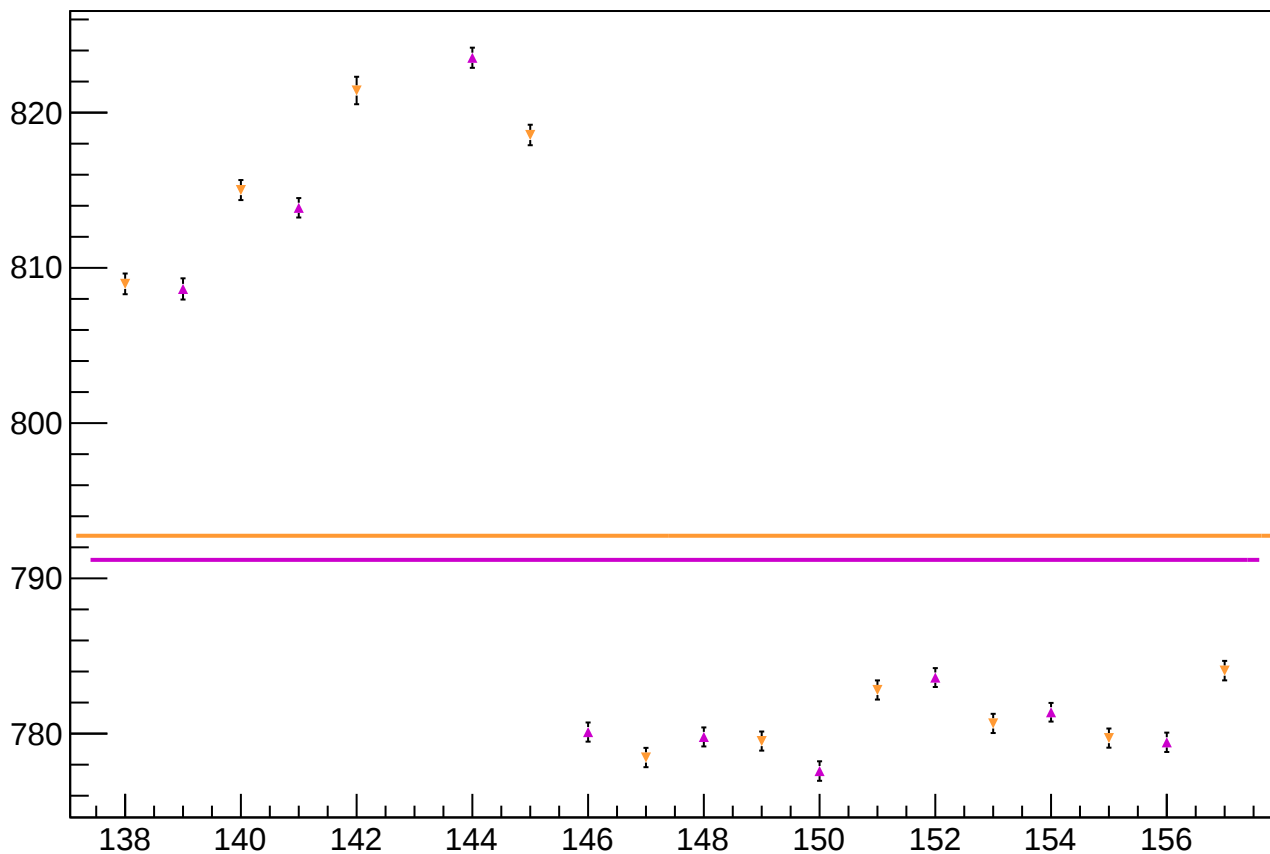
Left In: -586.731+/-295.255 χ^2/NDF : 11.1/8

-417.945+/-289.560 χ^2/NDF : 7.2/9

-500.694+/-206.734 χ^2/NDF : 18.5/18

-586.731+/-295.255 χ^2/NDF : 11.1/8

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

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

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

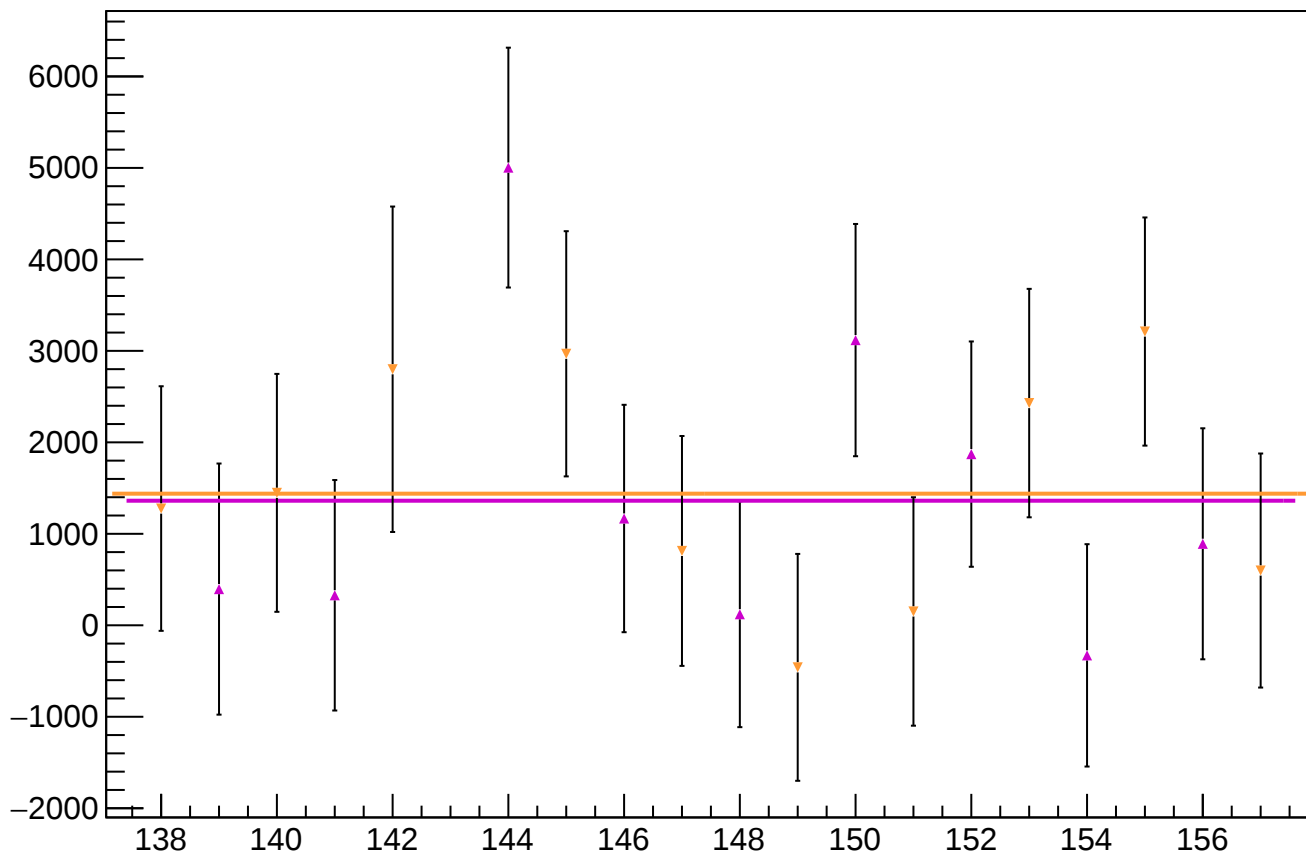
Left In: 791.191+/-0.209 χ^2/NDF : 6362.5/8

792.745+/-0.205 χ^2/NDF : 6631.9/9

791.983+/-0.146 χ^2/NDF : 13022.7/18

791.191+/-0.209 χ^2/NDF : 6362.5/8

cor_asym_usl_mean vs Slug, Sign Corrected



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

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

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

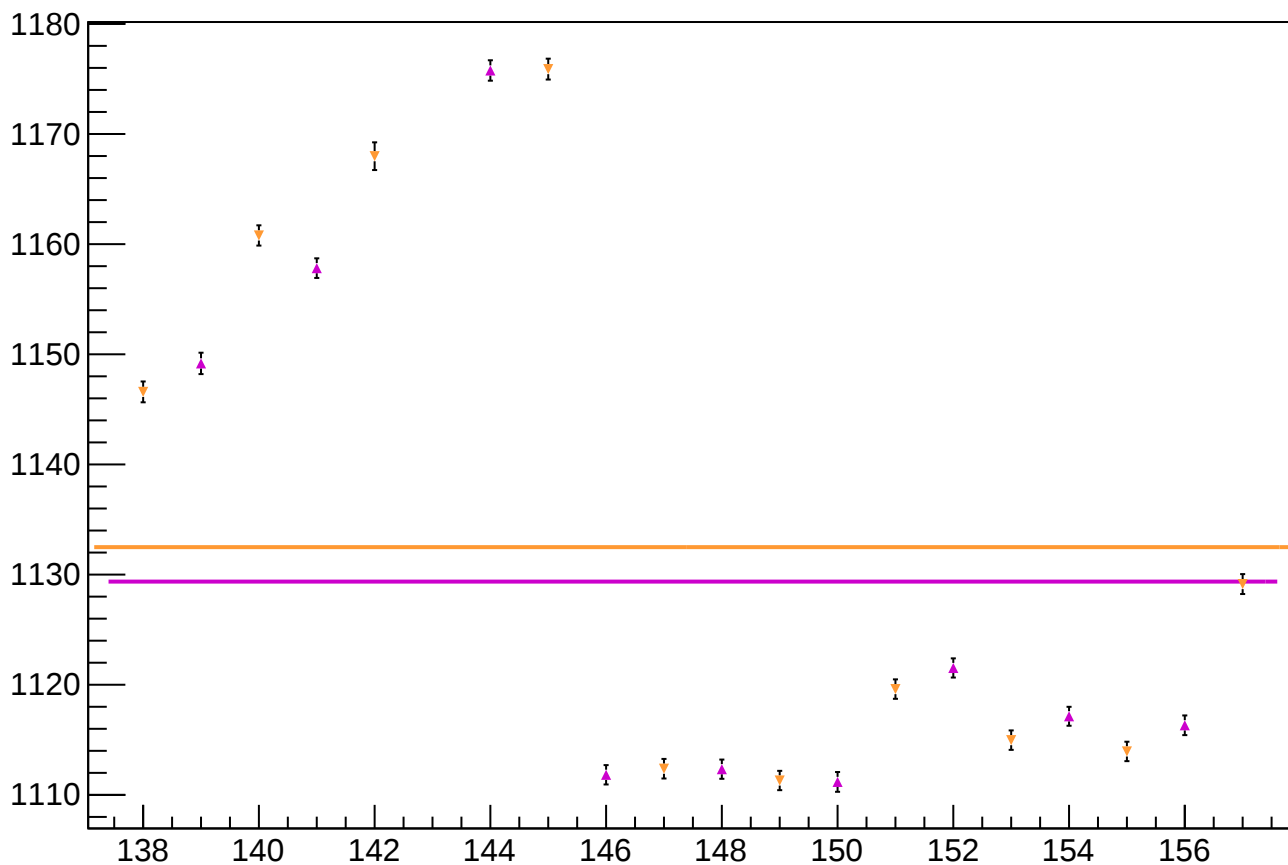
Left In: 1361.839+/-421.447 χ^2/NDF : 14.1/8

1438.789+/-413.667 χ^2/NDF : 8.6/9

1401.031+/-295.219 χ^2/NDF : 22.7/18

1361.839+/-421.447 χ^2/NDF : 14.1/8

cor_asym_usl_rms vs Slug, Sign Corrected



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

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

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

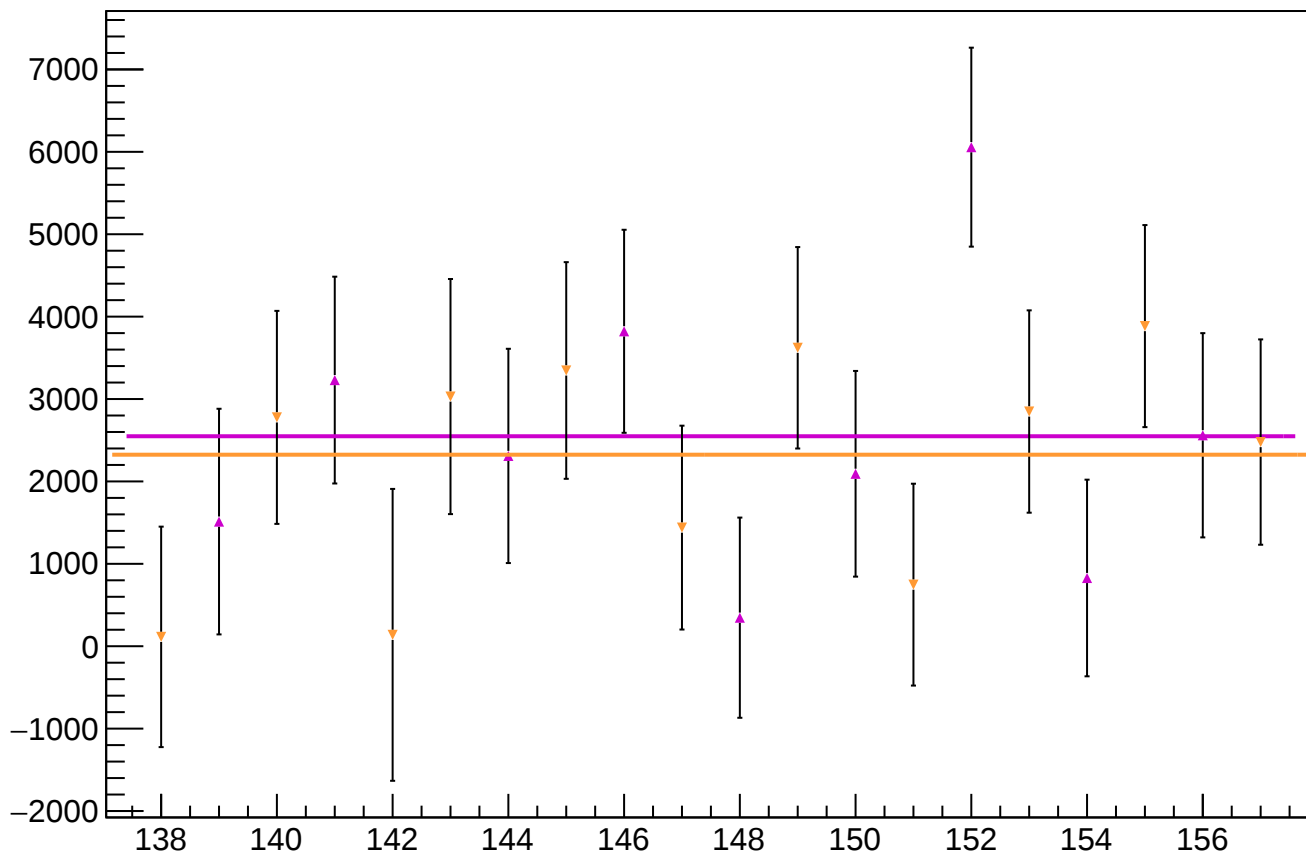
Left In: 1129.365+/-0.298 χ^2/NDF : 5628.5/8

1132.493+/-0.293 χ^2/NDF : 6221.4/9

1130.958+/-0.209 χ^2/NDF : 11906.0/18

1129.365+/-0.298 χ^2/NDF : 5628.5/8

cor_asym_usr_mean vs Slug, Sign Corrected



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

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

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

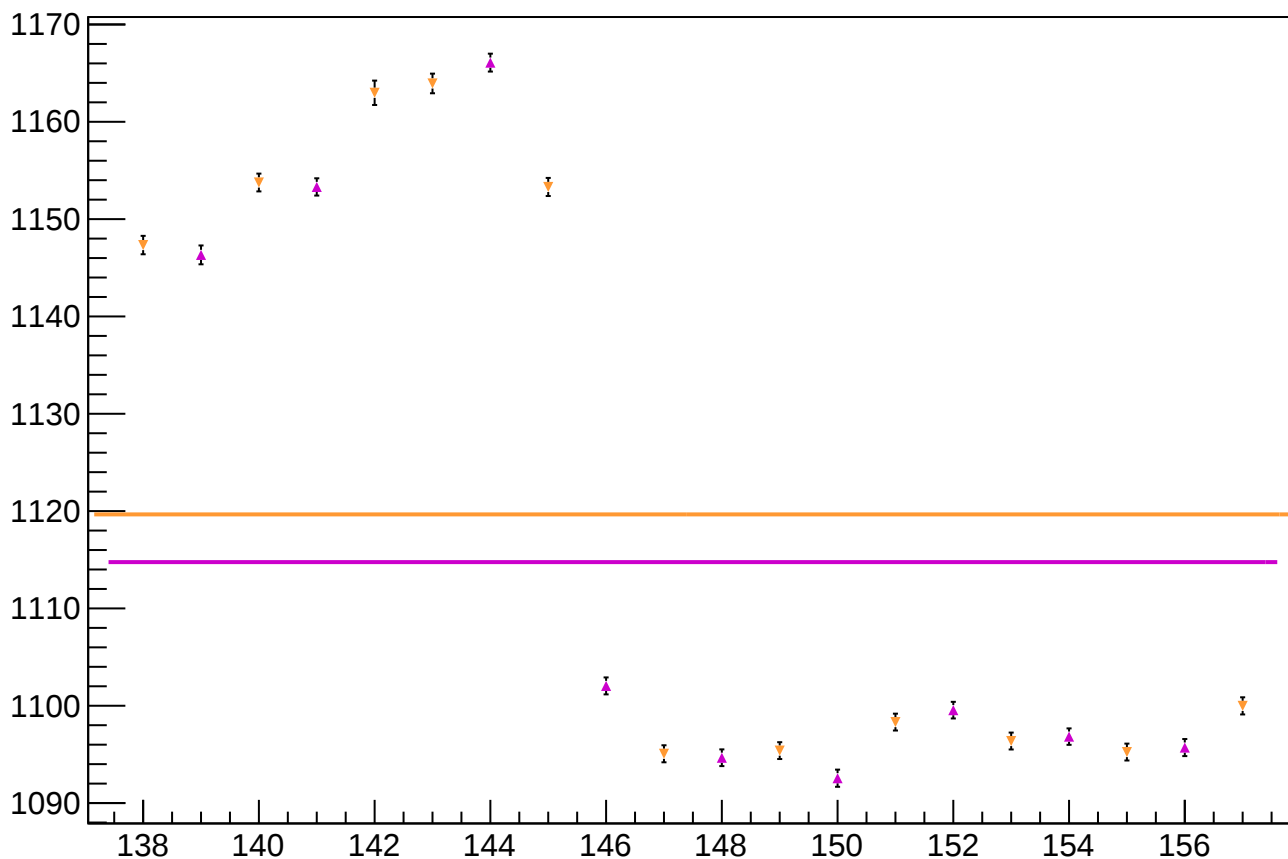
Left In: 2548.332+/-416.041 χ^2/NDF : 15.9/8

2324.379+/-392.003 χ^2/NDF : 10.3/10

2429.699+/-285.308 χ^2/NDF : 26.4/19

2548.332+/-416.041 χ^2/NDF : 15.9/8

cor_asym_usr_rms vs Slug, Sign Corrected



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

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

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

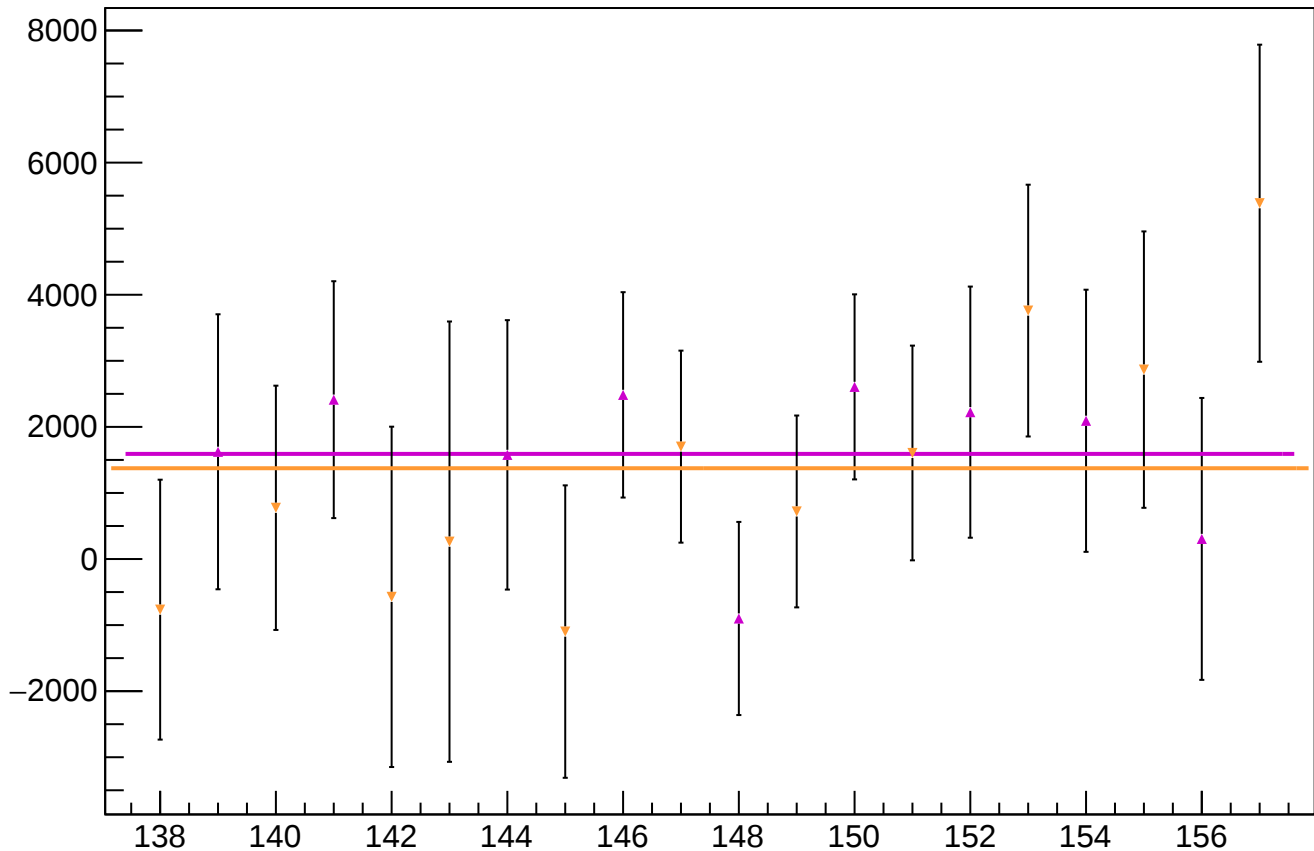
Left In: 1114.758+/-0.294 χ^2/NDF : 8701.8/8

1119.661+/-0.277 χ^2/NDF : 10878.0/10

1117.355+/-0.202 χ^2/NDF : 19726.9/19

1114.758+/-0.294 χ^2/NDF : 8701.8/8

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

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

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

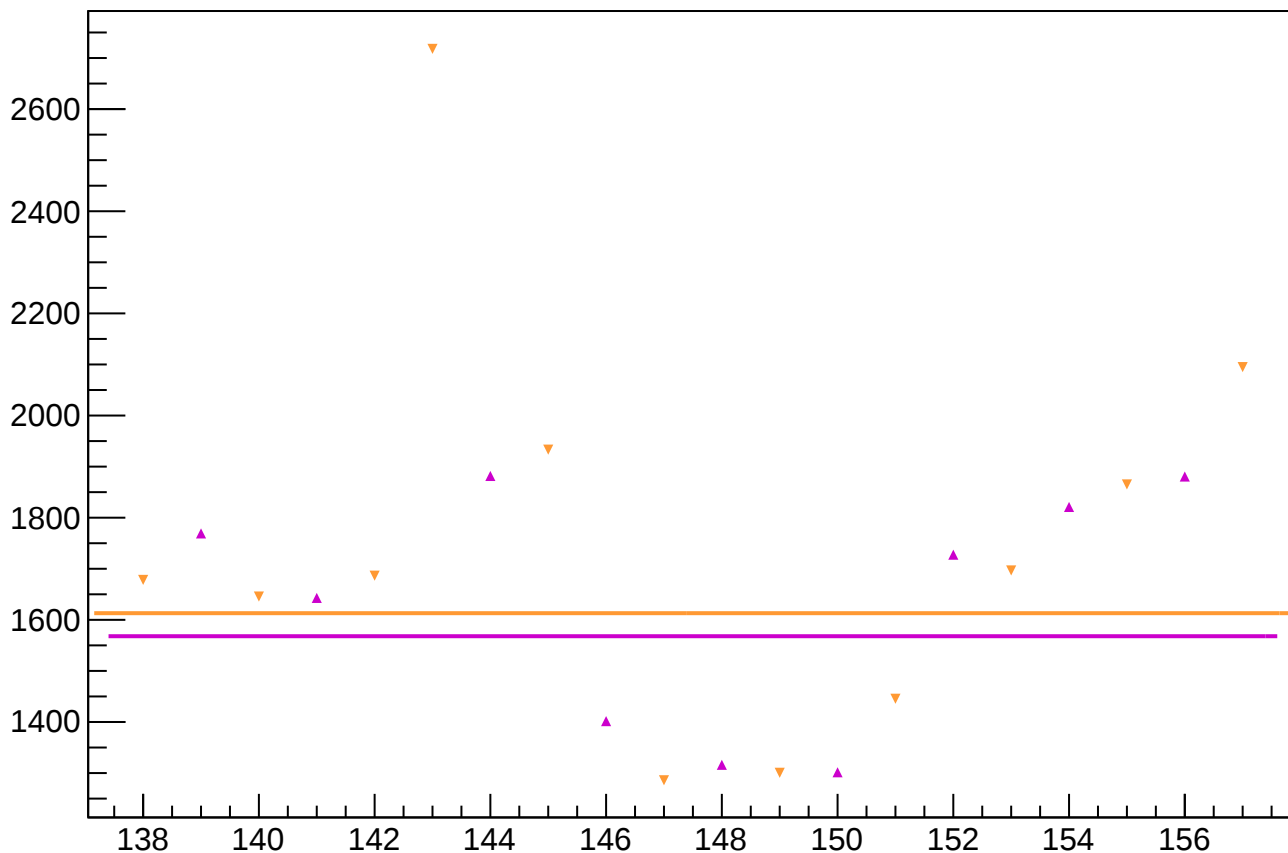
Left In: 1591.216+/-584.713 χ^2/NDF : 4.5/8

1374.194+/-577.339 χ^2/NDF : 8.4/10

1481.328+/-410.823 χ^2/NDF : 12.9/19

1591.216+/-584.713 χ^2/NDF : 4.5/8

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

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

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

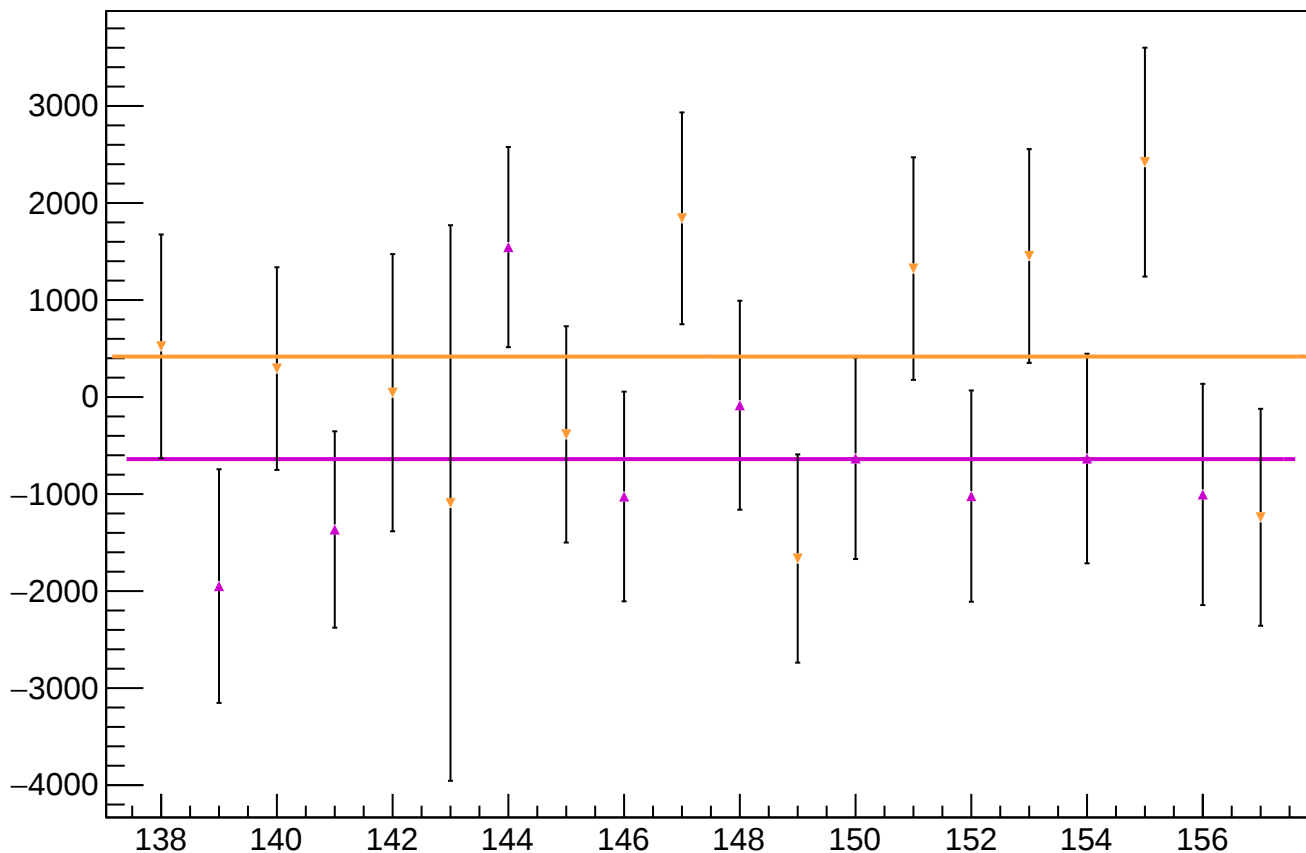
Left In: 1567.937+/-0.413 χ^2/NDF : 313747.4/8

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

1590.776+/-0.290 χ^2/NDF : 914690.6/19

1567.937+/-0.413 χ^2/NDF : 313747.4/8

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

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

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

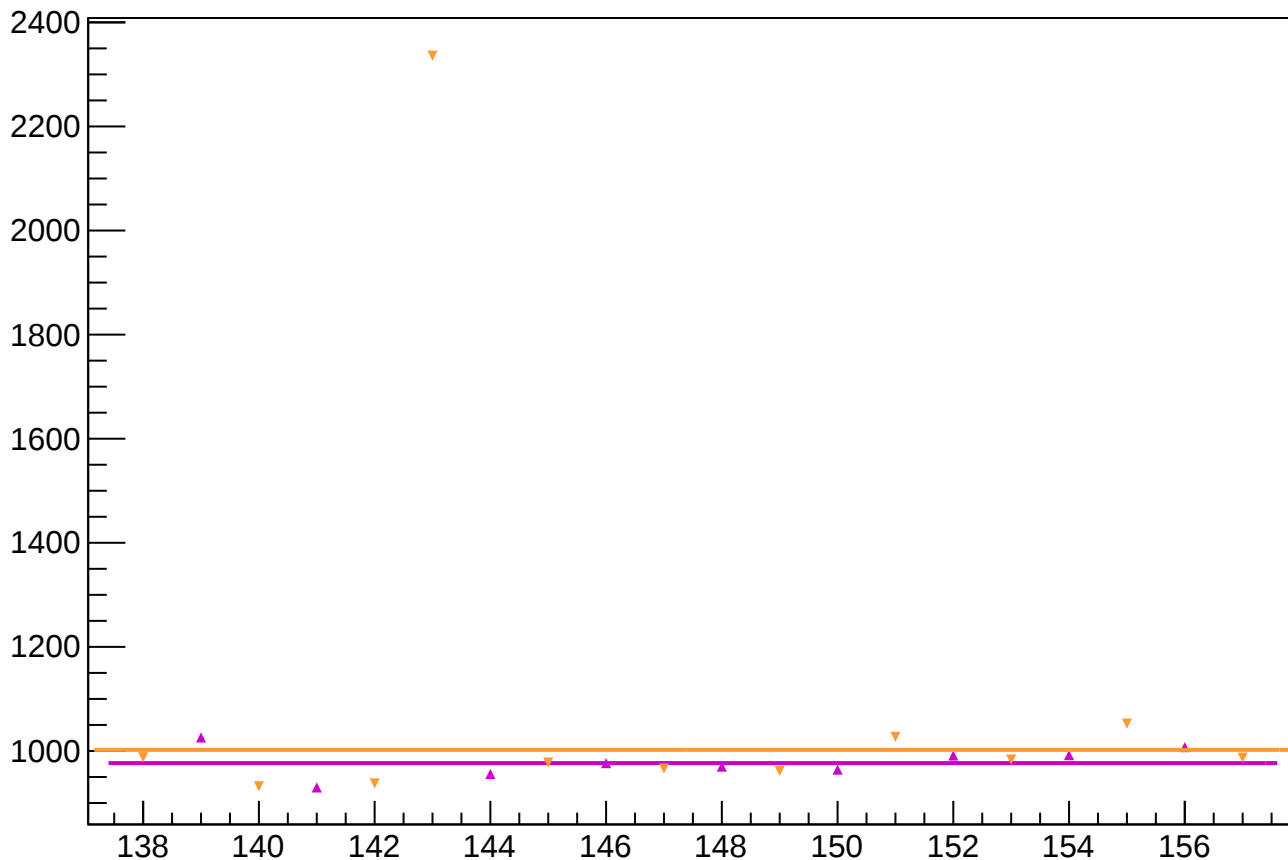
Left In: -639.635+/-359.819 χ^2/NDF : 6.8/8

417.329+/-355.895 χ^2/NDF : 12.9/10

-105.357+/-253.032 χ^2/NDF : 24.1/19

-639.635+/-359.819 χ^2/NDF : 6.8/8

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

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

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

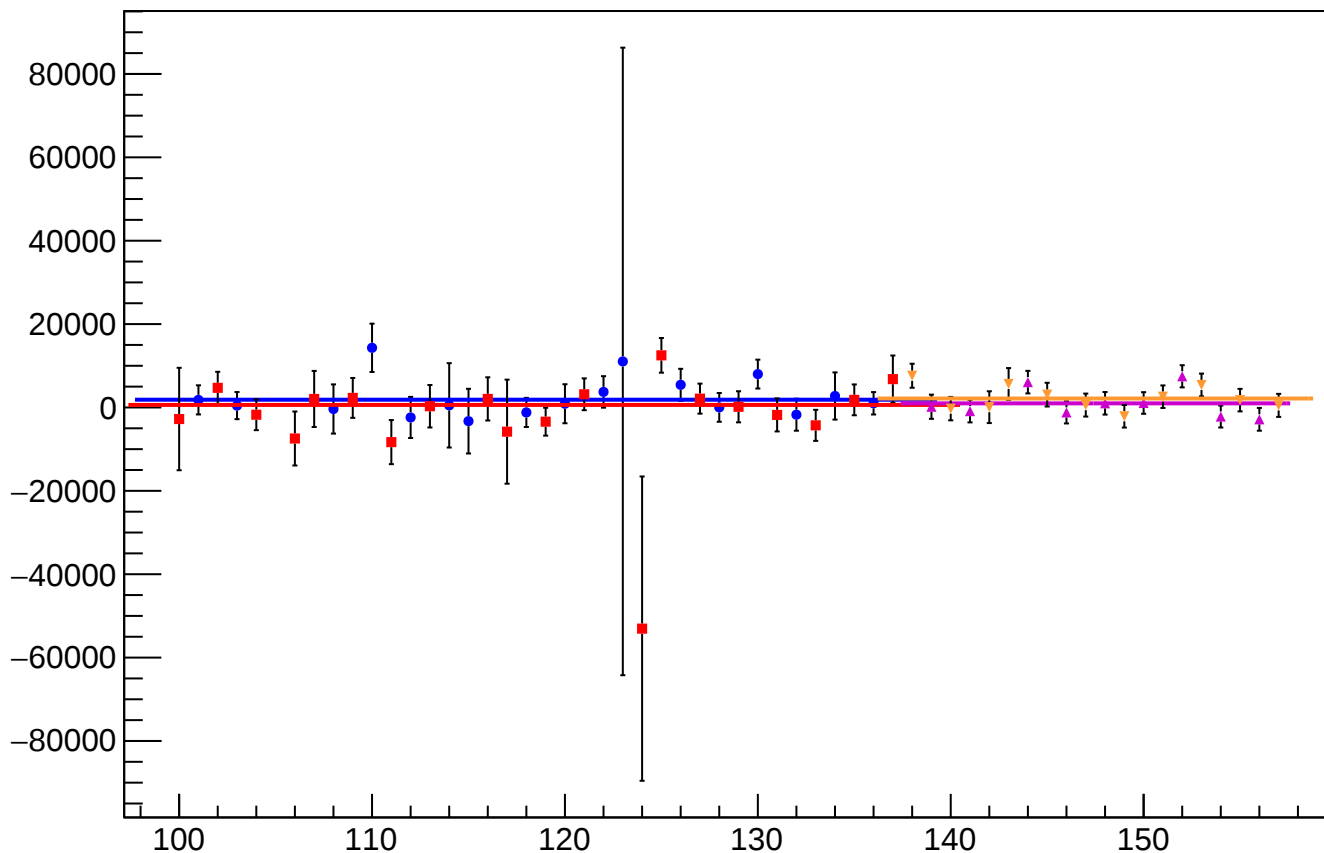
Left In: 976.731+/-0.254 χ^2/NDF : 11020.5/8

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

989.539+/-0.179 χ^2/NDF : 474882.8/19

976.731+/-0.254 χ^2/NDF : 11020.5/8

reg_asym_atl1_mean vs Slug, Sign Corrected



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

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

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

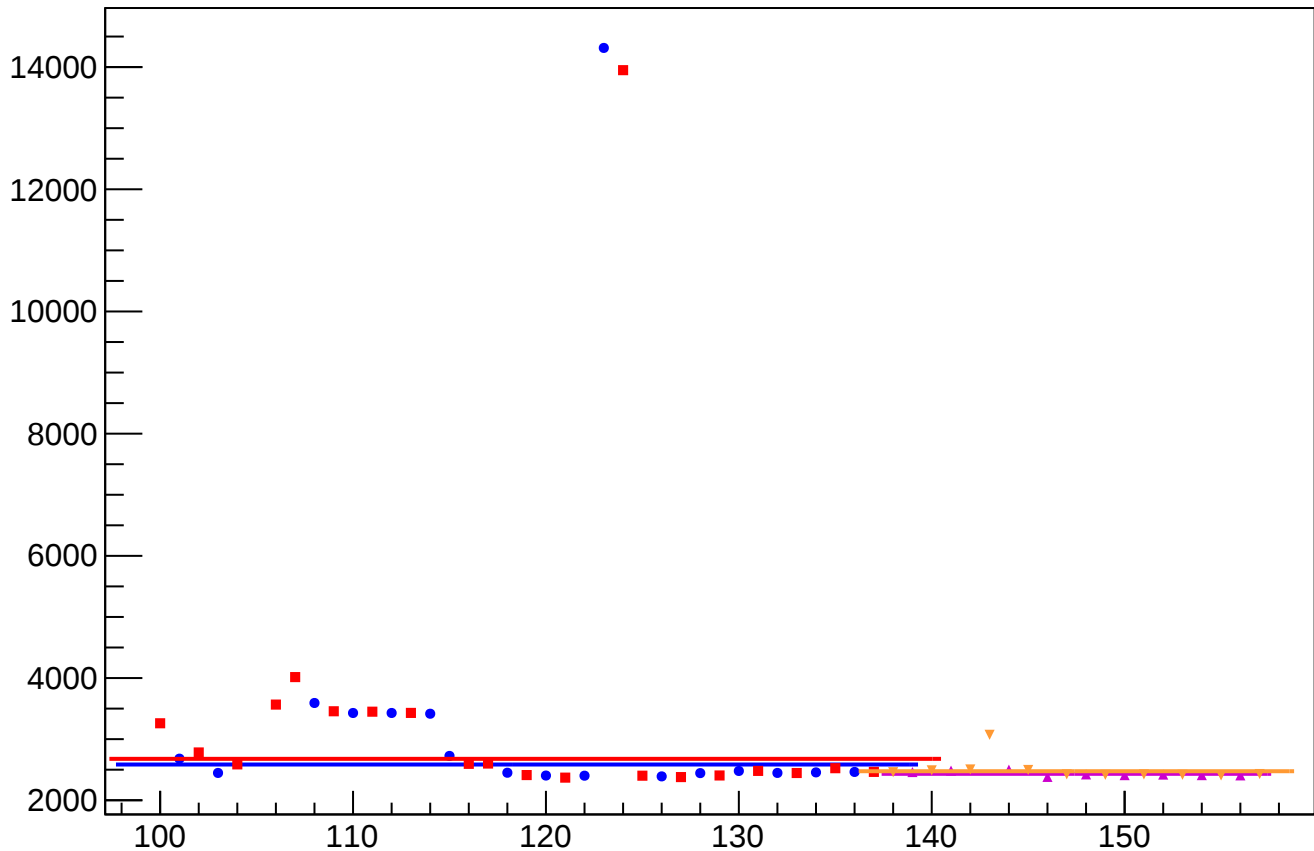
Left In: 985.853 $\pm$ 898.135 χ^2 /NDF: 14.1/8

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

1436.579 $\pm$ 471.870 χ^2 /NDF: 61.0/56

822.227 $\pm$ 674.166 χ^2 /NDF: 36.5/28

reg_asym_atl1_rms vs Slug, Sign Corrected



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

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

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

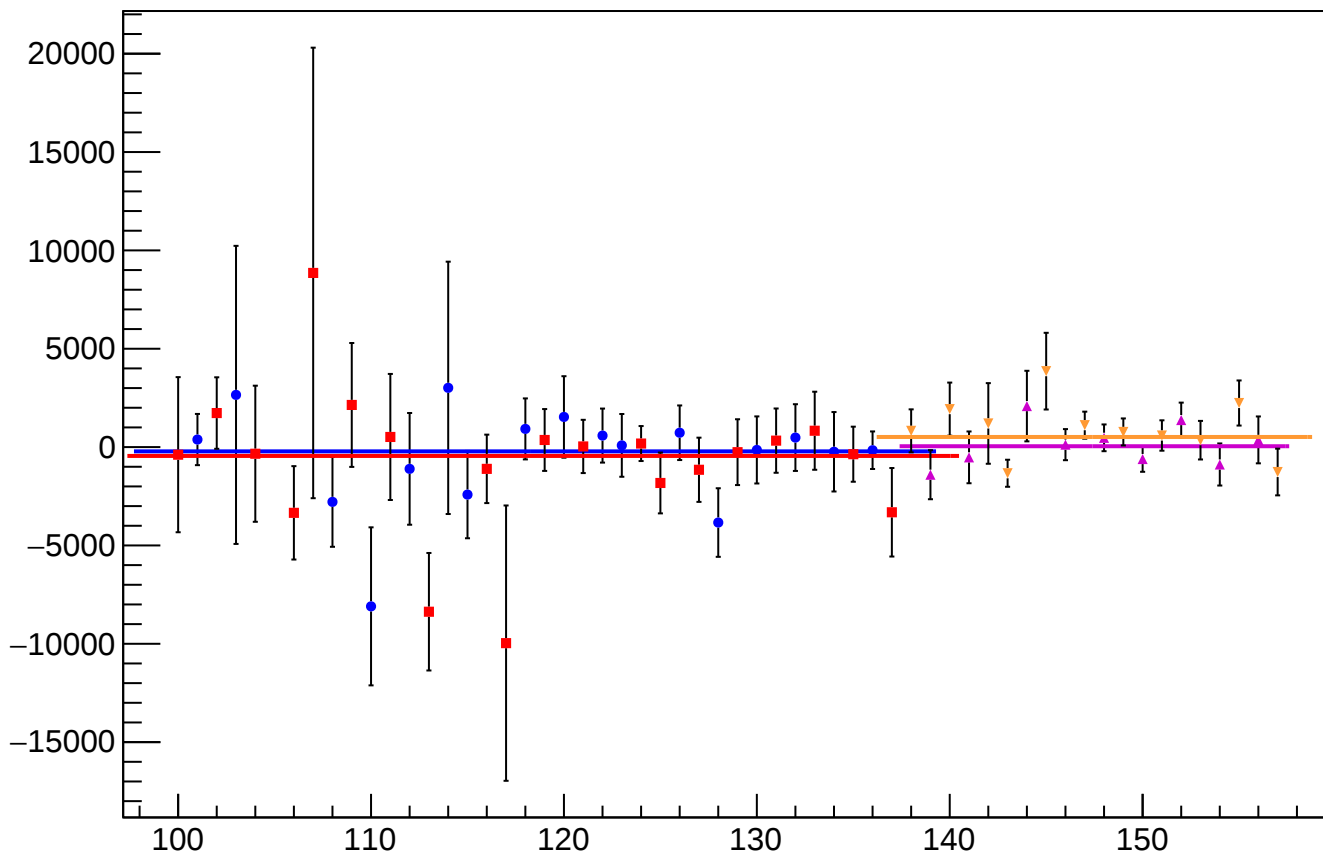
Left In: 2432.544+/-0.635 χ^2/NDF : 3470.6/8

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

2530.450+/-0.334 χ^2/NDF : 925193.4/56

2539.573+/-0.477 χ^2/NDF : 600703.2/28

asym_atl1_correction_mean vs Slug, Sign Corrected



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

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

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

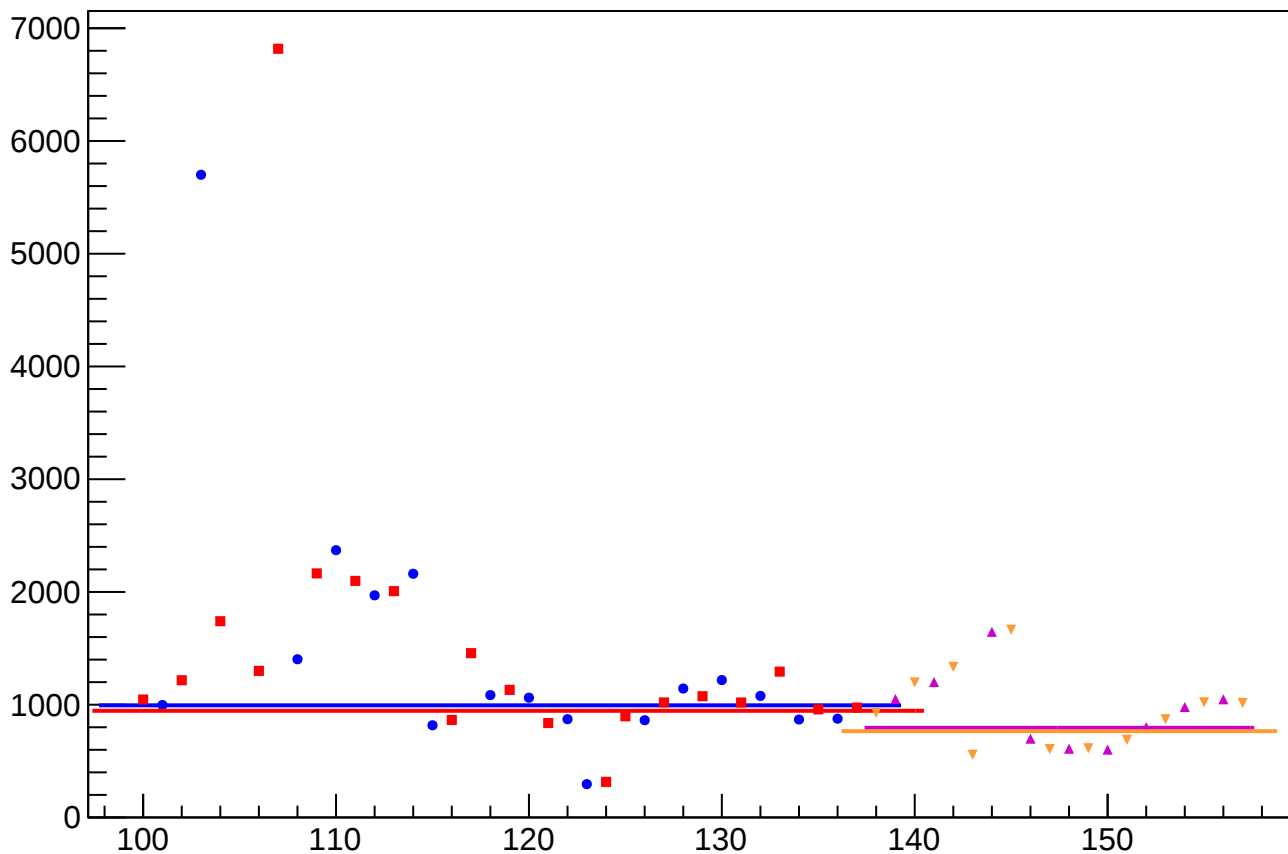
Left In: 43.635 ± 308.302 χ^2/NDF : 7.3/8

285.439 ± 235.060 χ^2/NDF : 32.4/27

84.559 ± 169.960 χ^2/NDF : 59.7/56

-135.517 ± 246.035 χ^2/NDF : 25.8/28

asym_atl1_correction_rms vs Slug, Sign Corrected



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

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

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

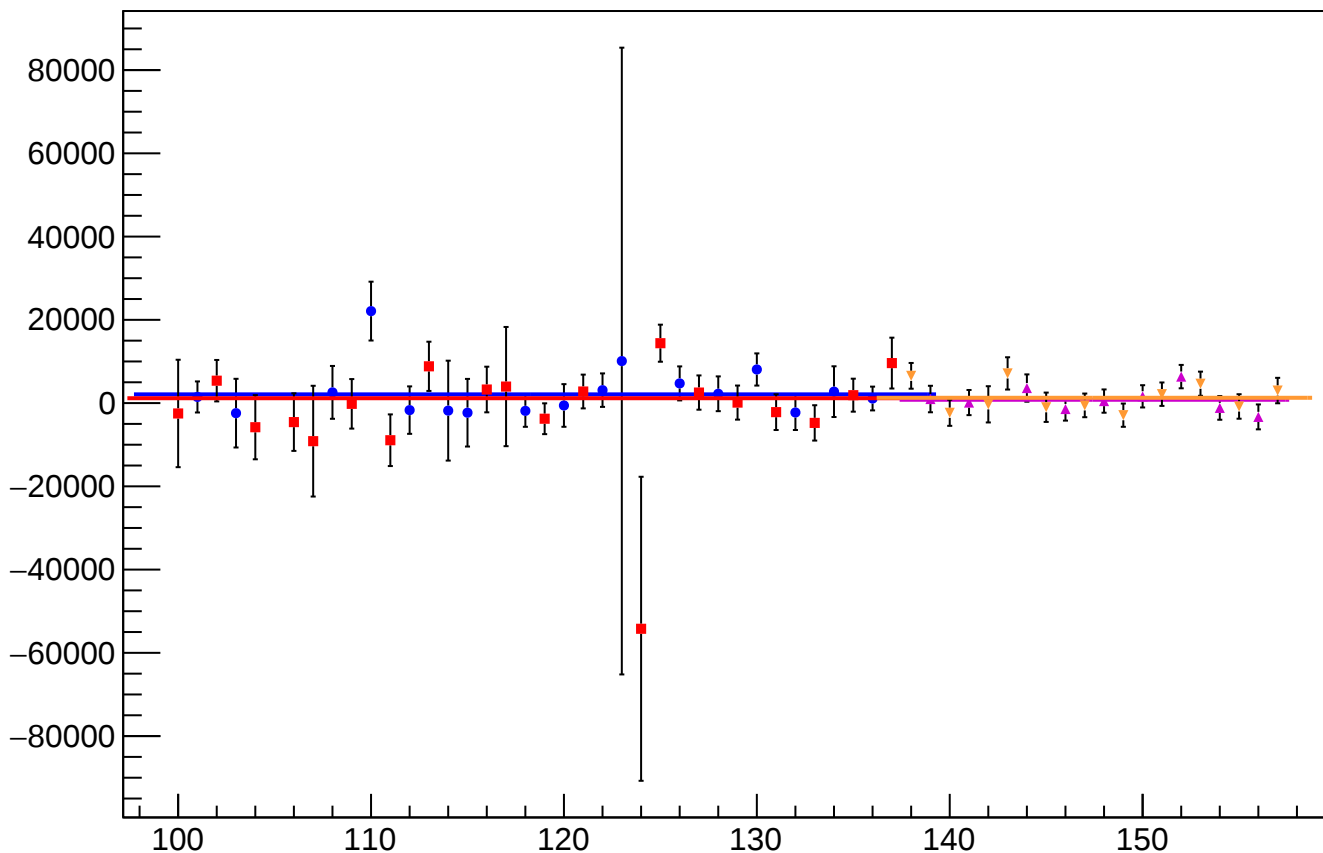
Left In: 795.030 $\pm$ 0.218 χ^2 /NDF:1229239.5/8

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

843.157 $\pm$ 0.120 χ^2 /NDF: 7847361.2/56

849.865 $\pm$ 0.174 χ^2 /NDF: 4080178.5/28

asym_atl1_mean vs Slug, Sign Corrected



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

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

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

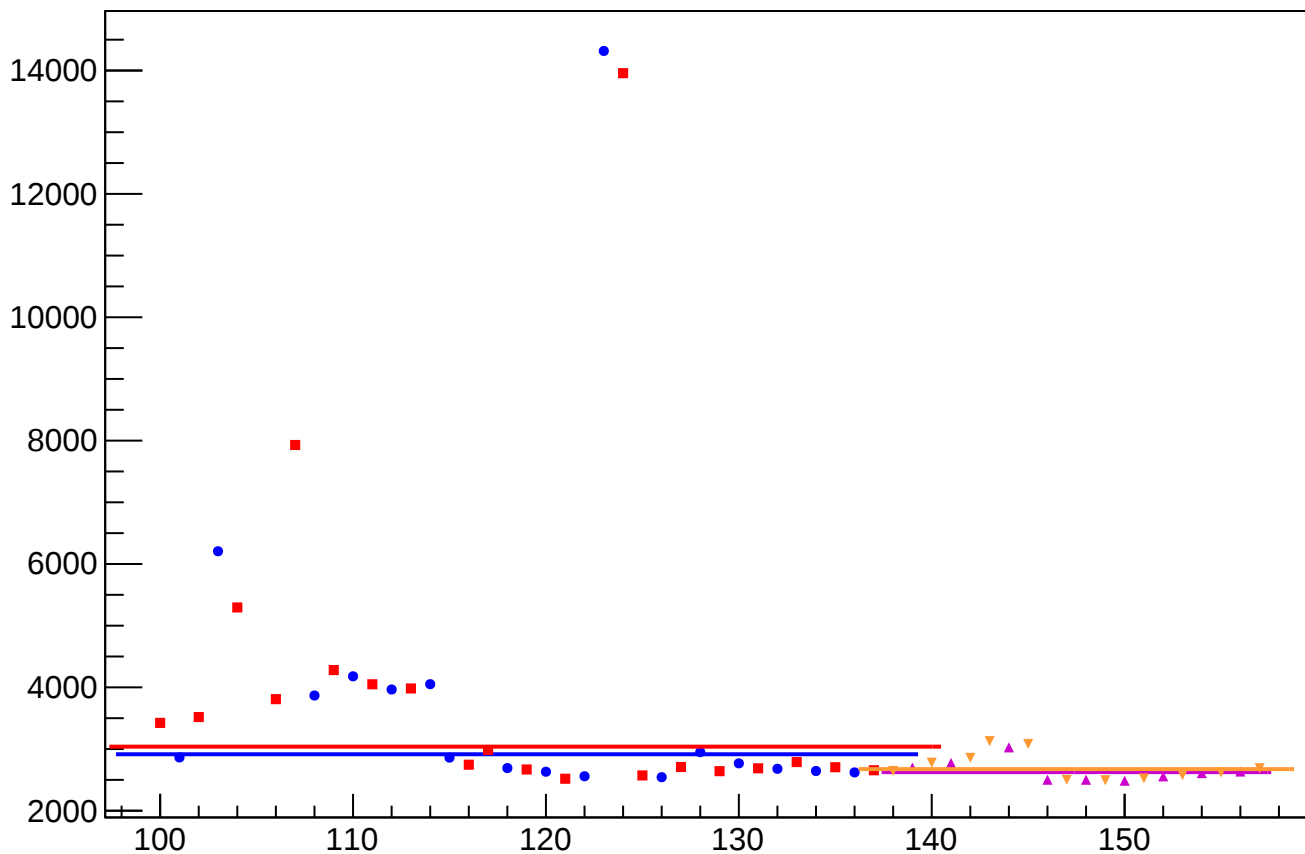
Left In: 797.194+/-971.303 χ^2/NDF :7.8/8

1599.590+/-731.619 χ^2/NDF : 26.9/27

1281.260+/-523.941 χ^2/NDF : 60.3/56

946.128+/-750.678 χ^2/NDF : 33.1/28

asym_atl1_rms vs Slug, Sign Corrected



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

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

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

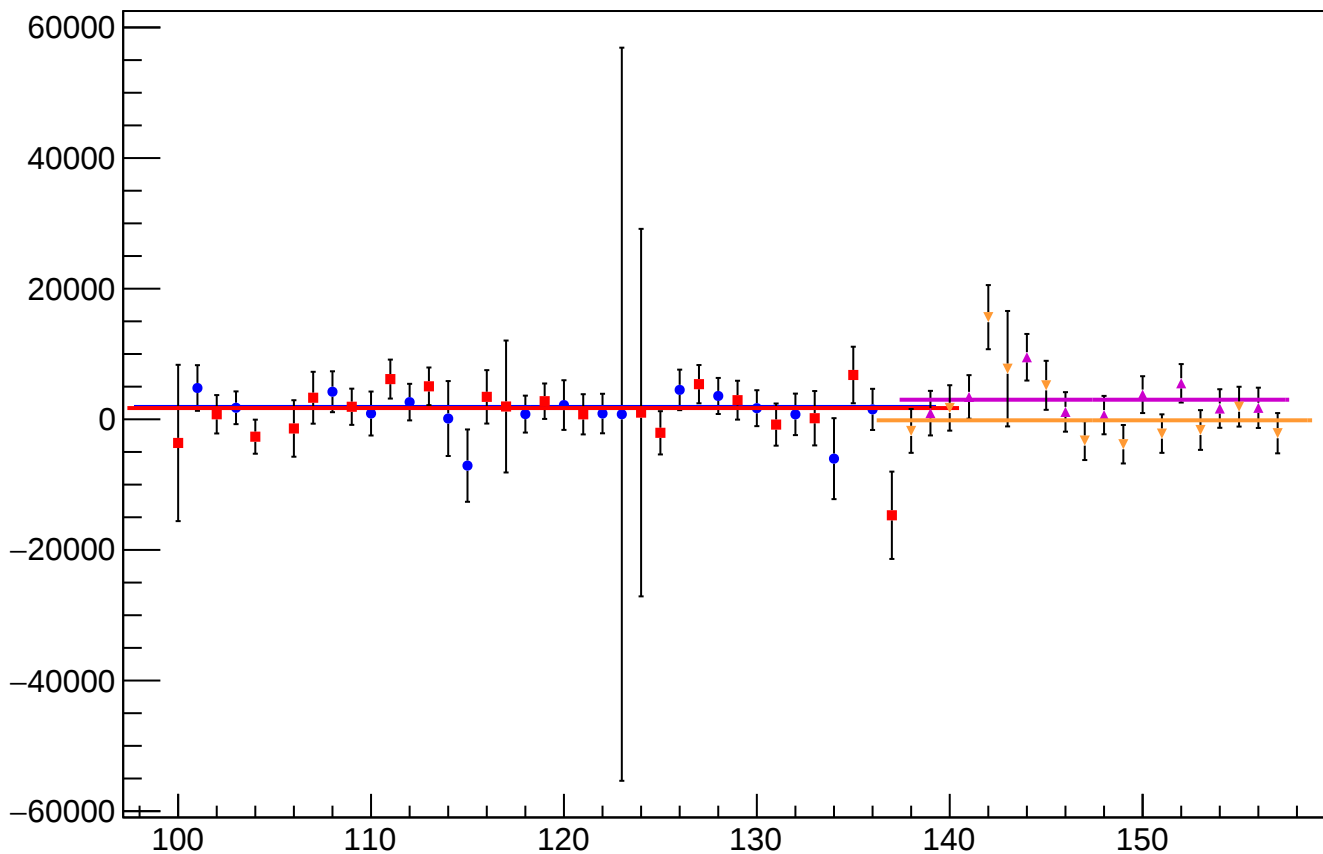
Left In: 2626.144+/-0.687 χ^2/NDF : 50384.2/8

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

2780.907+/-0.370 χ^2/NDF : 1983787.4/56

2792.303+/-0.531 χ^2/NDF : 1207139.1/28

reg_asym_atl2_mean vs Slug, Sign Corrected



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

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

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

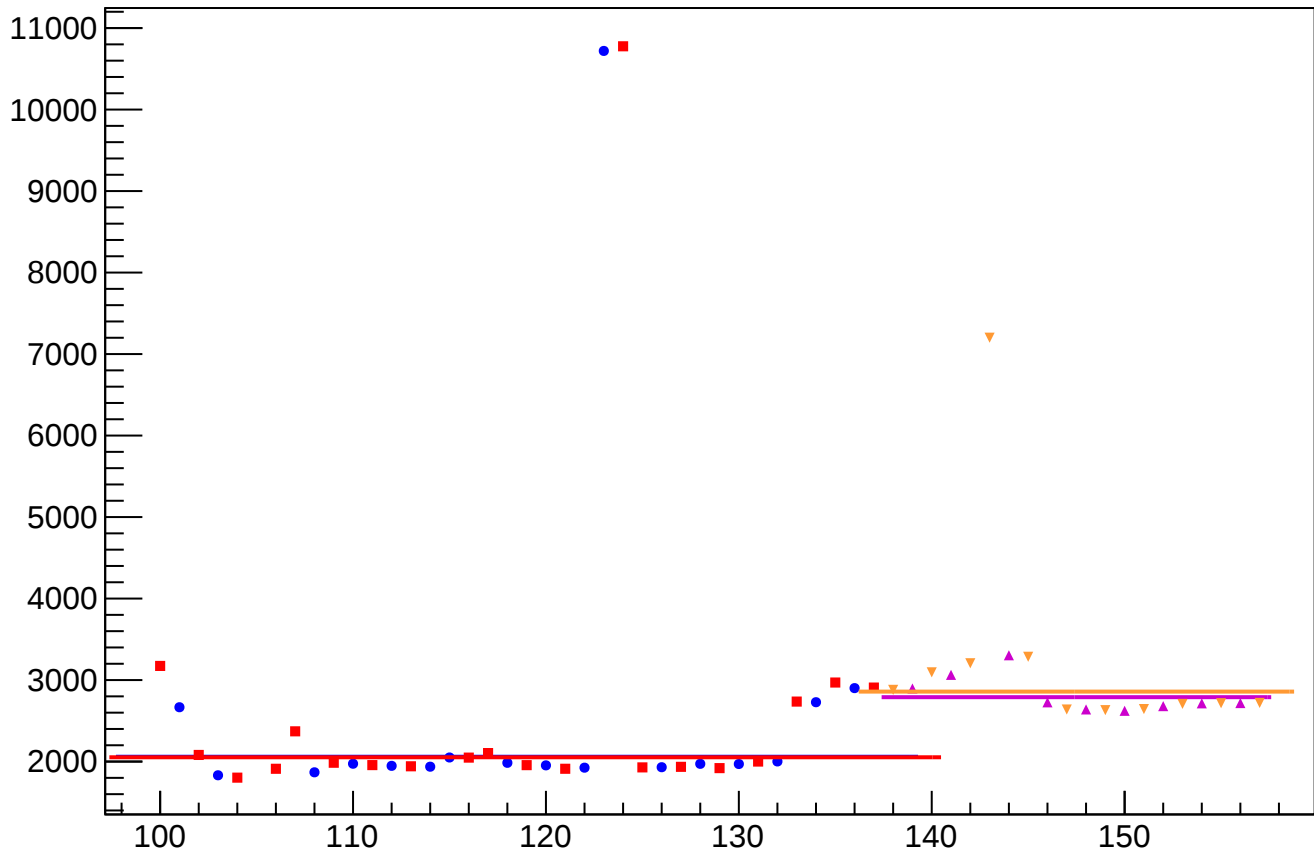
Left In: 2998.293 $\pm$ 1031.196 χ^2 /NDF: 5.9/8

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

1652.812 $\pm$ 445.830 χ^2 /NDF: 55.0/56

2191.410 $\pm$ 625.970 χ^2 /NDF: 25.8/28

reg_asym_atl2_rms vs Slug, Sign Corrected



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

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

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

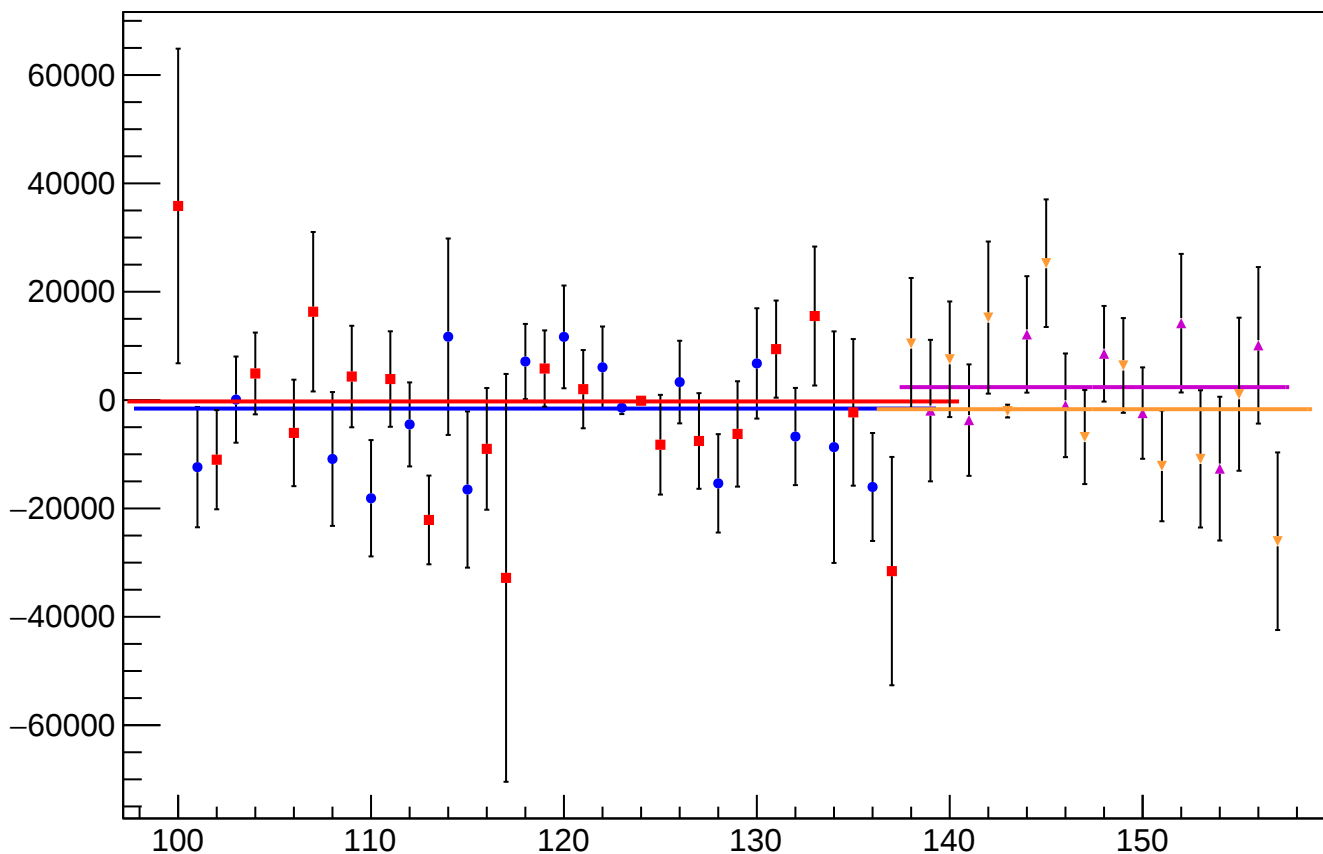
Left In: 2789.935 +/- 0.729 χ^2/NDF : 75337.0/8

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

2346.132 +/- 0.315 χ^2/NDF : 2814811.1/56

2324.283 +/- 0.443 χ^2/NDF : 1164497.6/28

asym_atl2_correction_mean vs Slug, Sign Corrected



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

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

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

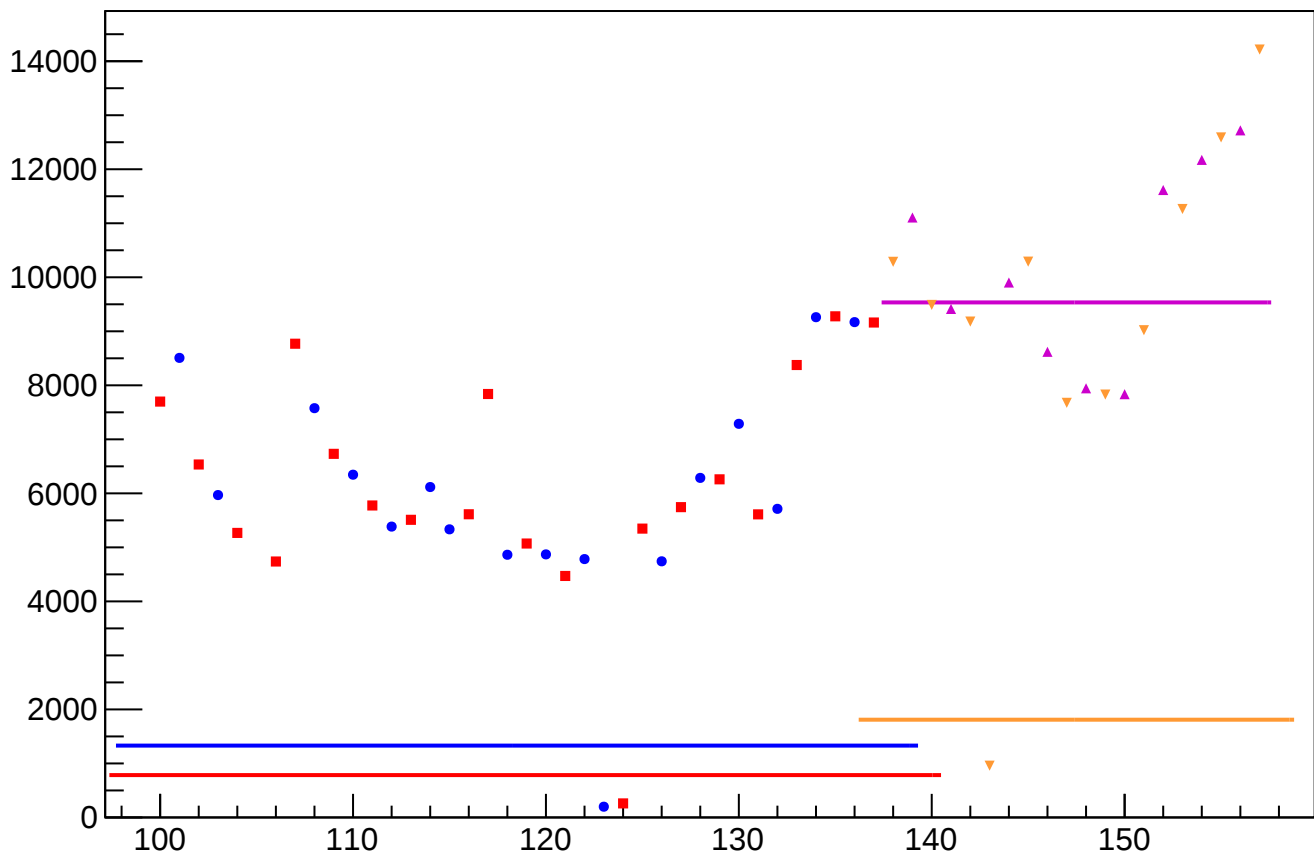
Left In: 2393.384 $\pm$ 3572.151 χ^2 /NDF:4.6/8

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

-797.738 $\pm$ 510.153 χ^2 /NDF: 58.5/56

-150.979 $\pm$ 682.254 χ^2 /NDF: 26.7/28

asym_atl2_correction_rms vs Slug, Sign Corrected



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

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

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

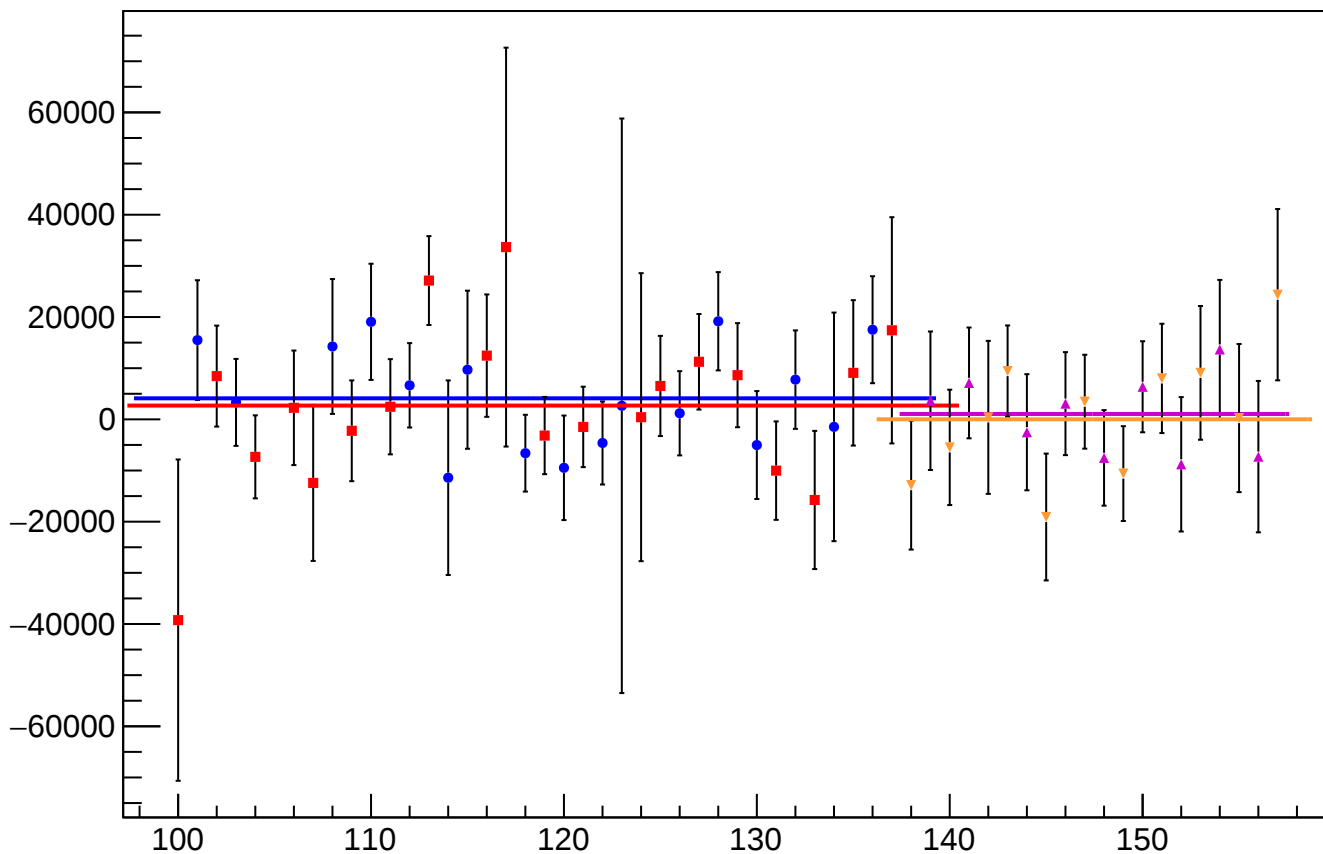
Left In: 9534.653+/-2.526 χ^2/NDF :425170.1/8

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

1302.493+/-0.361 χ^2/NDF : 45047229.5/5

1103.453+/-0.482 χ^2/NDF : 23498814.7/28

asym_atl2_mean vs Slug, Sign Corrected



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

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

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

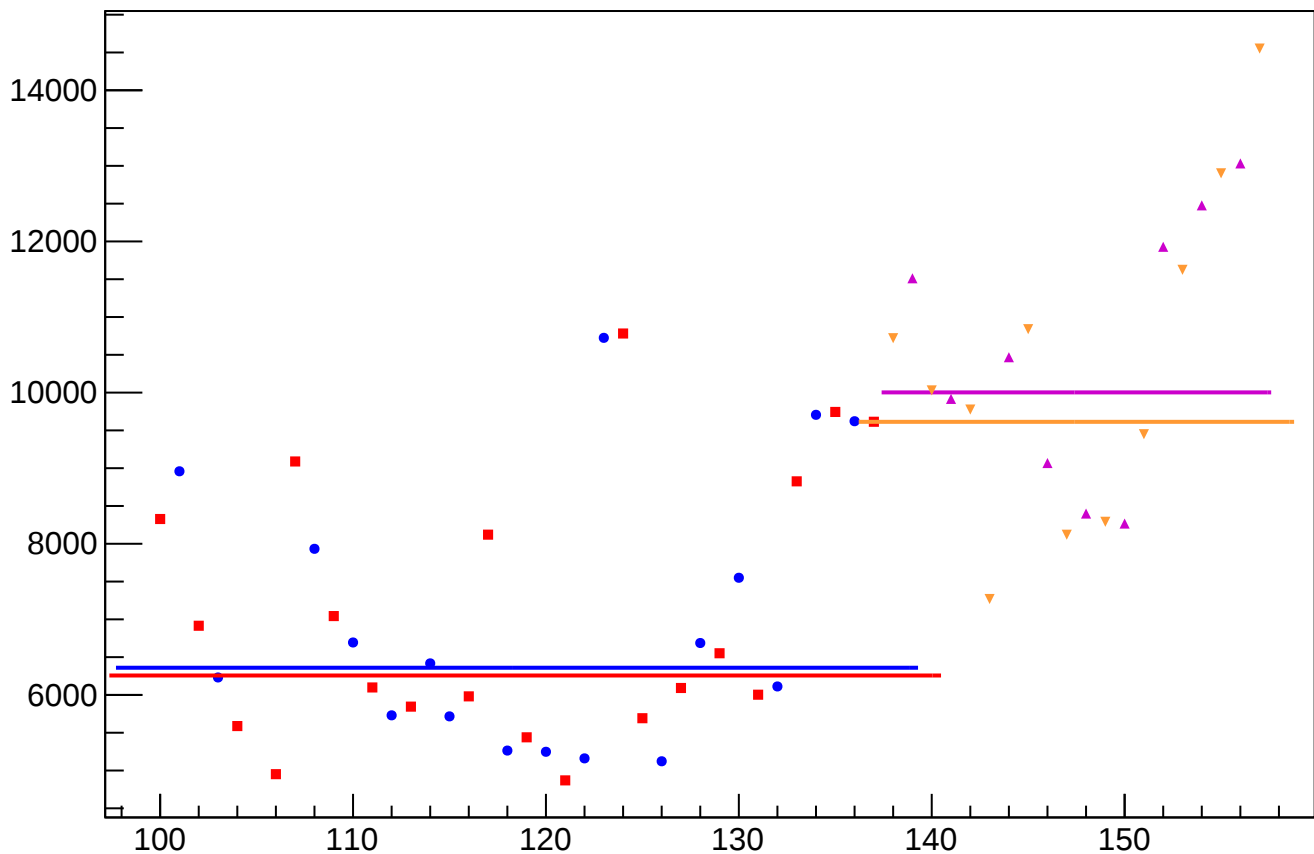
Left In: 1051.704+/-3740.106 χ^2/NDF : 3.4/8

2672.703+/-2041.844 χ^2/NDF : 24.6/27

2441.291+/-1439.348 χ^2/NDF : 48.8/56

2212.712+/-2029.306 χ^2/NDF : 24.2/28

asym_atl2_rms vs Slug, Sign Corrected



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

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

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

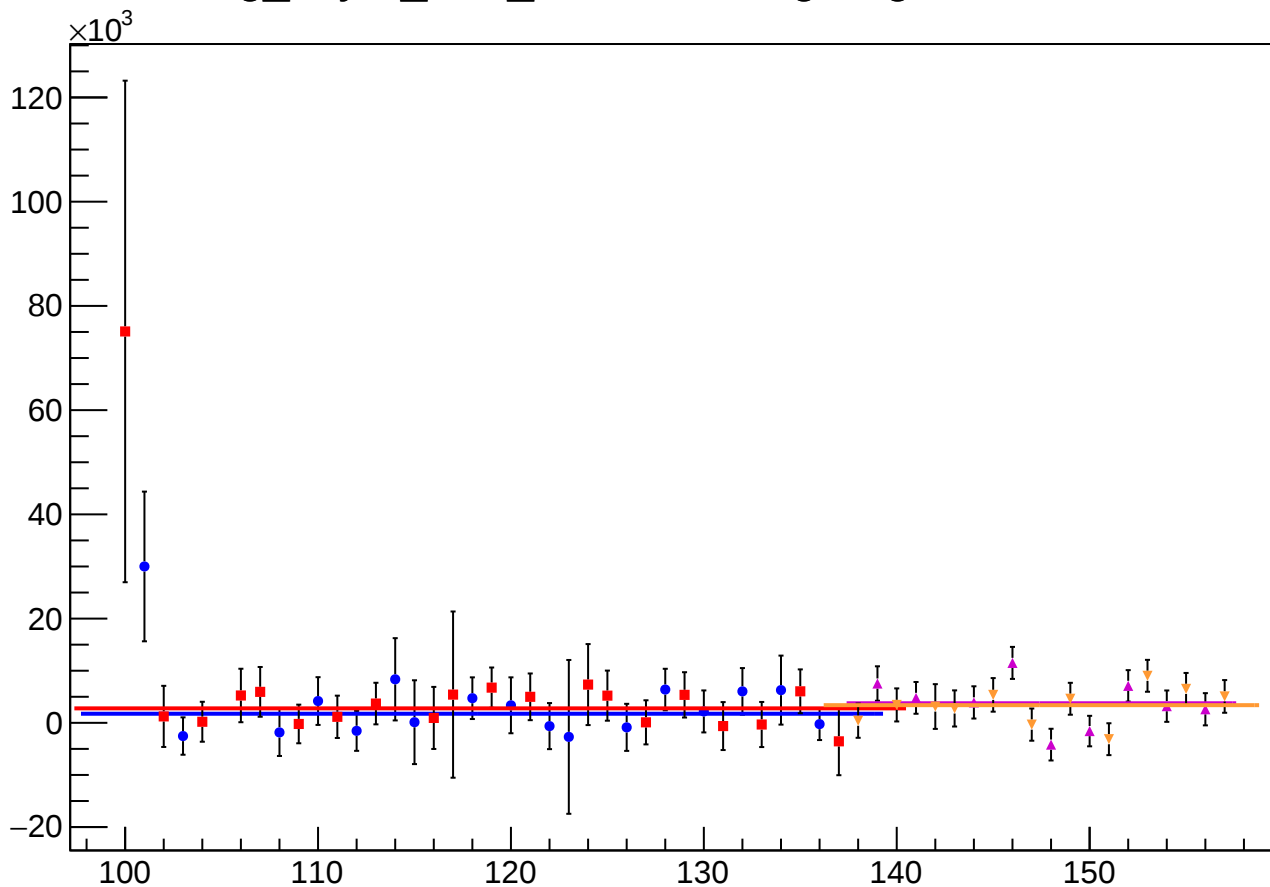
Left In: 10002.772+/-2.645 χ^2/NDF : 373666.0/8

7501.703+/-1.444 χ^2/NDF : 2331762.0/27

7430.323+/-1.018 χ^2/NDF : 4663196.3/56

7359.821+/-1.435 χ^2/NDF : 2326575.8/28

reg_asym_atr1_mean vs Slug, Sign Corrected



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

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

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

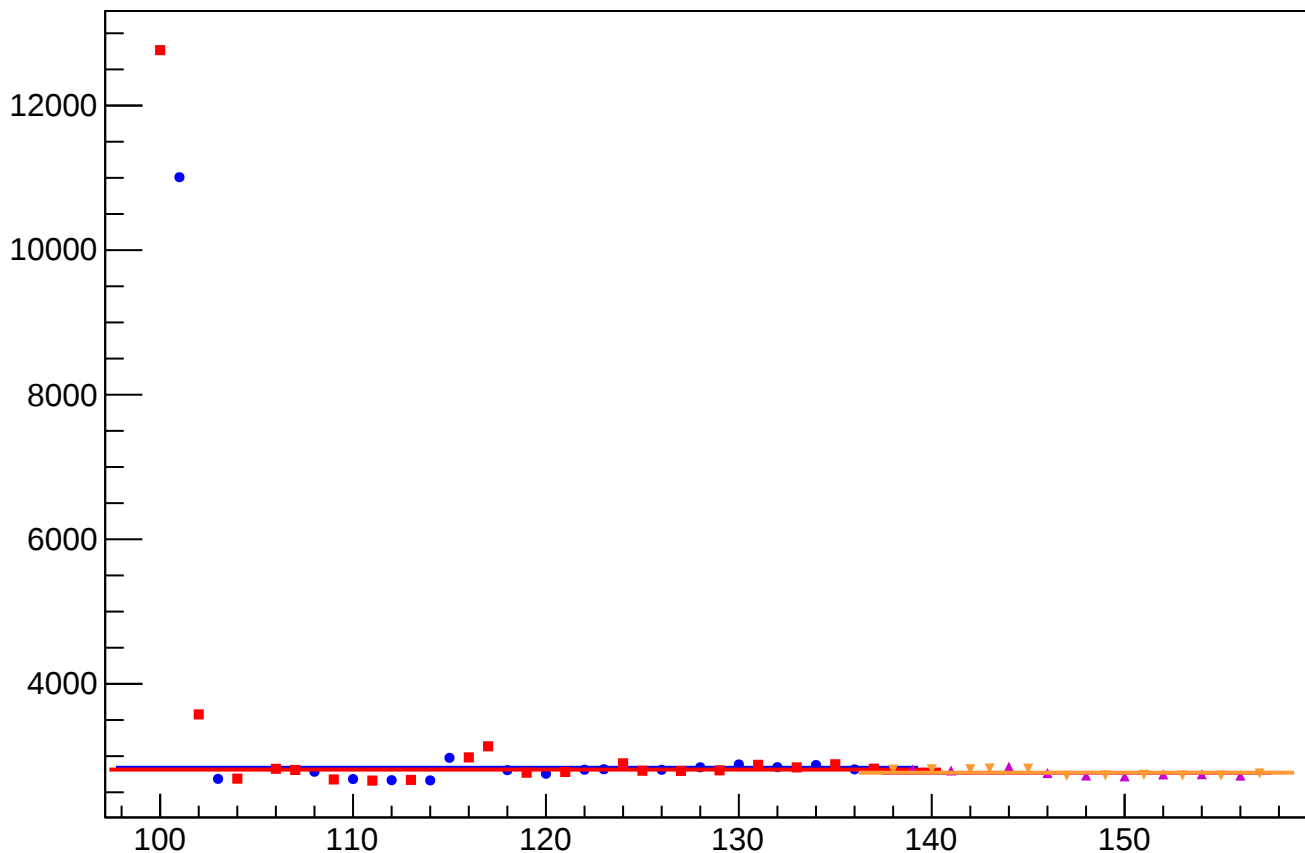
Left In: 3755.031 $\pm$ 1020.911 χ^2 /NDF: 19.3/8

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

2988.430 $\pm$ 521.377 χ^2 /NDF: 55.4/56

3288.176 $\pm$ 738.484 χ^2 /NDF: 29.5/28

reg_asym_atr1_rms vs Slug, Sign Corrected



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

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

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

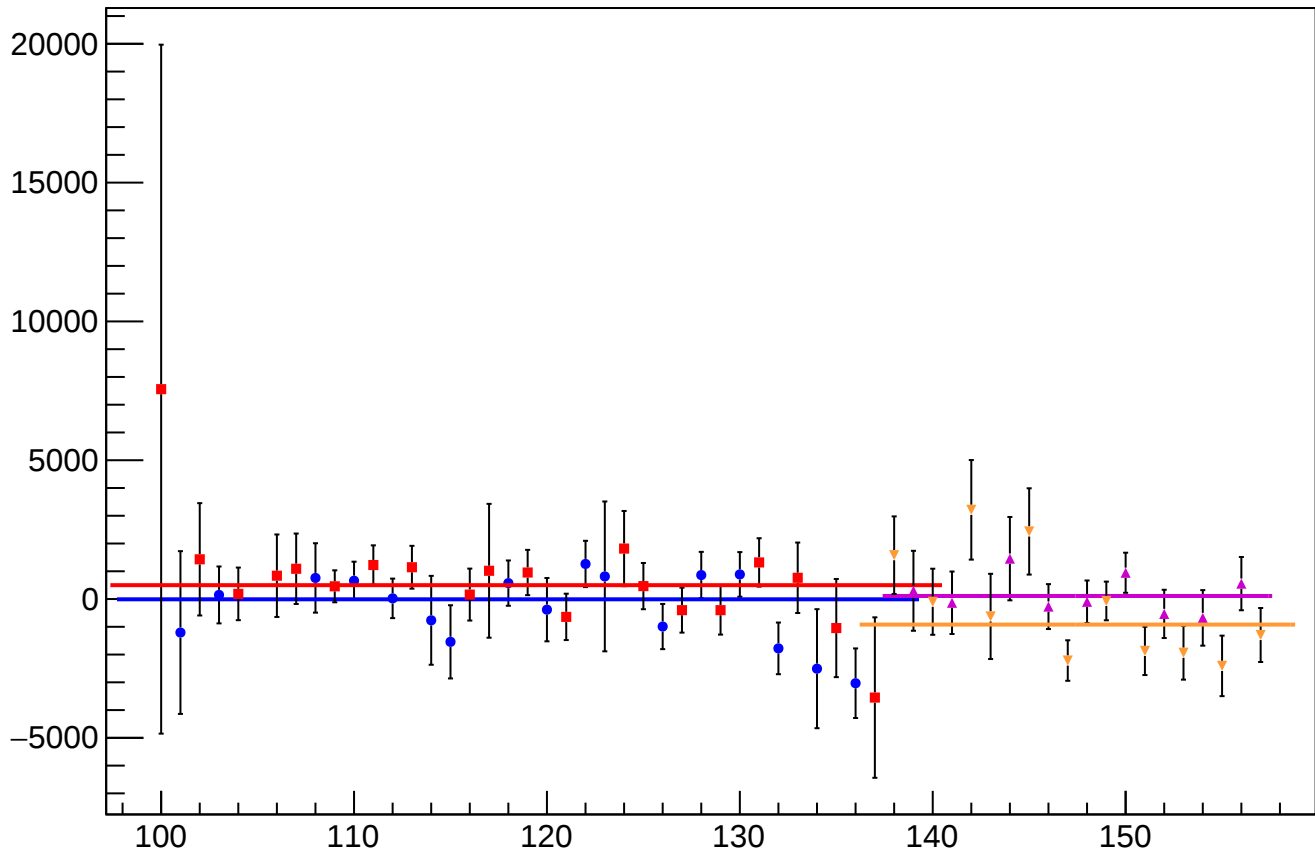
Left In: 2767.476+/-0.722 χ^2/NDF : 3448.4/8

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

2794.863+/-0.369 χ^2/NDF : 807563.1/56

2789.696+/-0.522 χ^2/NDF : 139319.3/28

asym_atr1_correction_mean vs Slug, Sign Corrected



Right In: -9.845 ± 241.678 $\chi^2/\text{NDF}: 20.7/16$

Left Out: -920.315 ± 307.267 $\chi^2/\text{NDF}: 22.6/10$

Right Out: 499.625 ± 220.558 $\chi^2/\text{NDF}: 11.9/19$

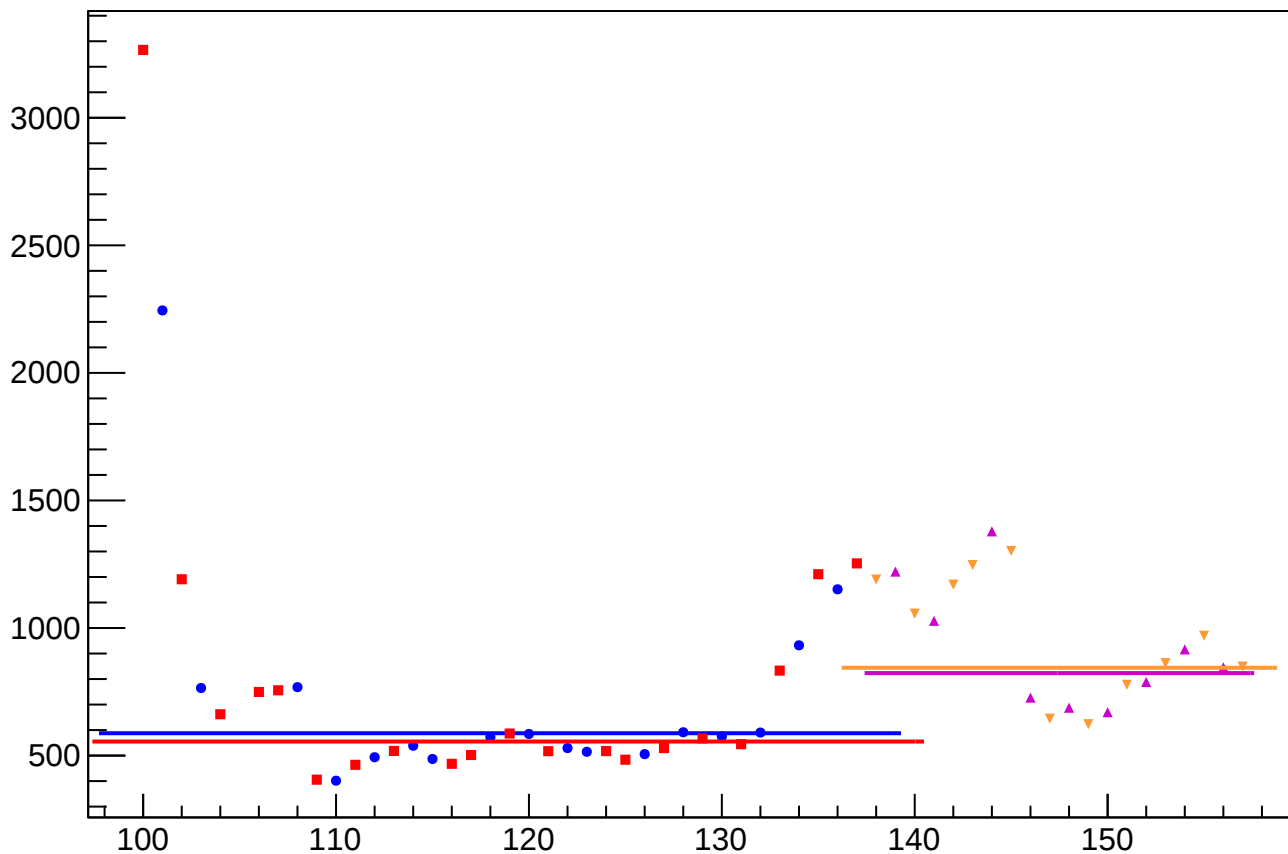
Left In: 110.122 ± 311.955 $\chi^2/\text{NDF}: 3.9/8$

-357.826 ± 189.960 $\chi^2/\text{NDF}: 48.8/27$

25.382 ± 130.694 $\chi^2/\text{NDF}: 73.3/56$

369.812 ± 180.092 $\chi^2/\text{NDF}: 16.9/28$

asym_atr1_correction_rms vs Slug, Sign Corrected



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

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

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

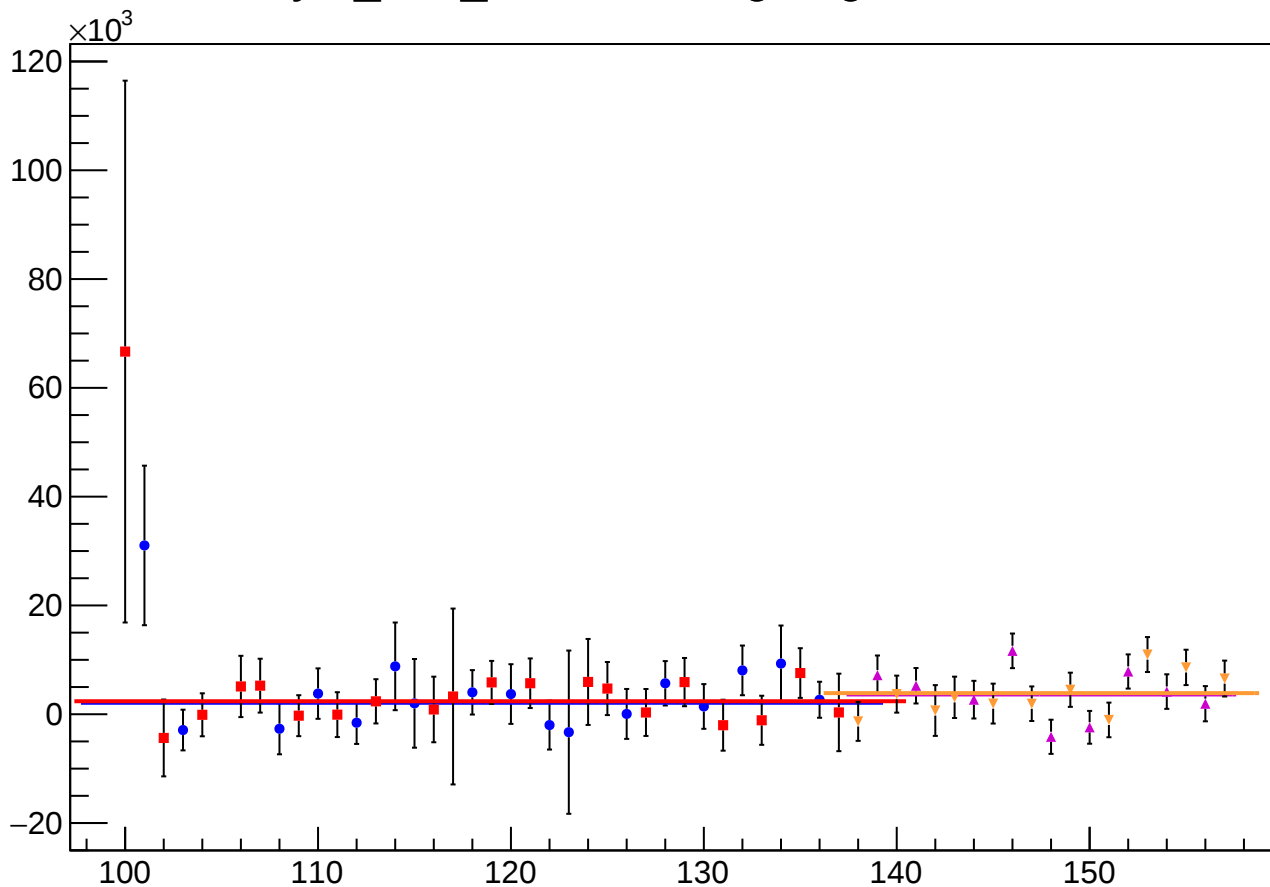
Left In: 823.366+/-0.221 χ^2/NDF : 695635.3/8

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

663.995+/-0.092 χ^2/NDF : 6080494.1/56

644.499+/-0.127 χ^2/NDF : 2789556.2/28

asym_atr1_mean vs Slug, Sign Corrected



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

Left Out: 3879.287+/-1033.326 χ^2/NDF : 13.4/10

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

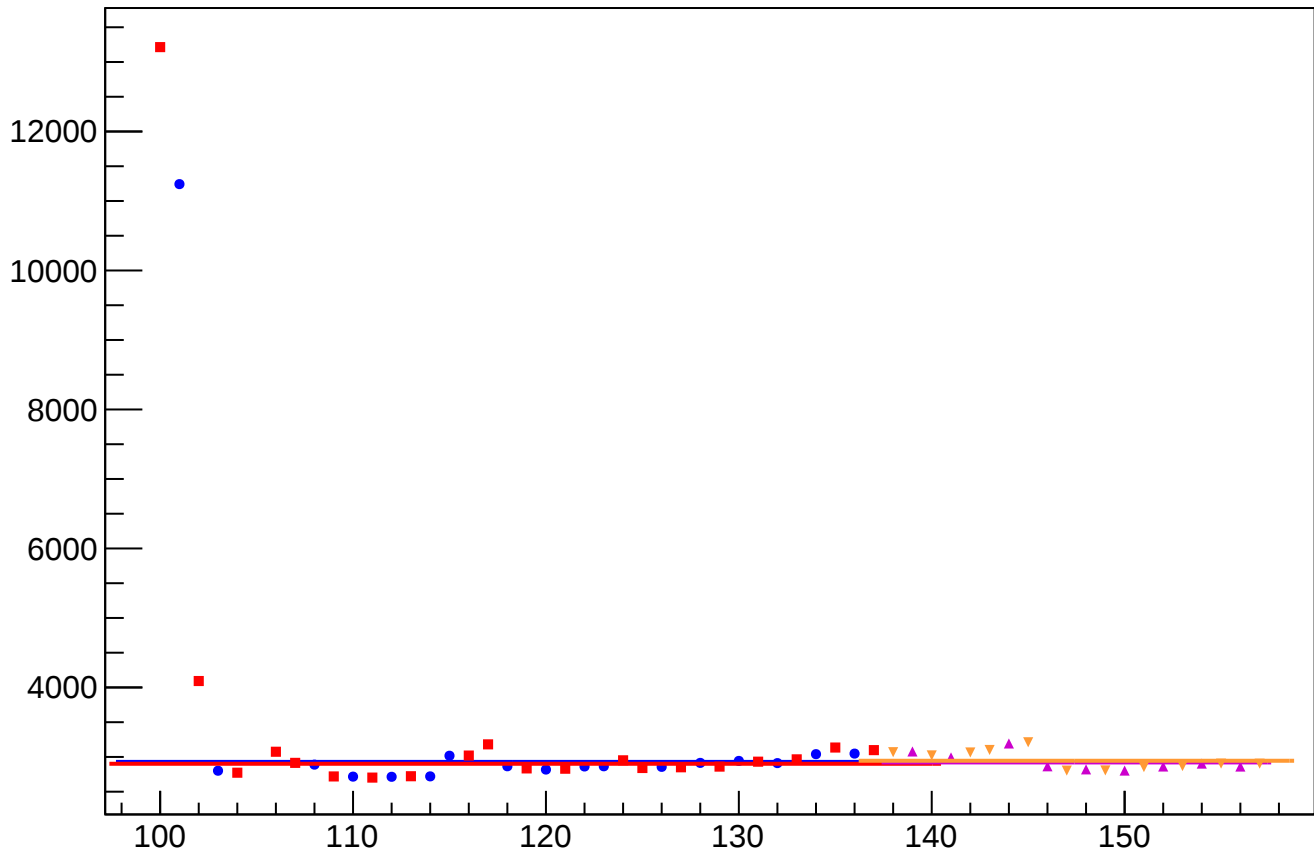
Left In: 3633.576+/-1078.331 χ^2/NDF : 19.9/8

3099.081+/-772.858 χ^2/NDF : 28.1/27

3063.747+/-546.419 χ^2/NDF : 58.6/56

3028.432+/-772.649 χ^2/NDF : 30.4/28

asym_atr1_rms vs Slug, Sign Corrected



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

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

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

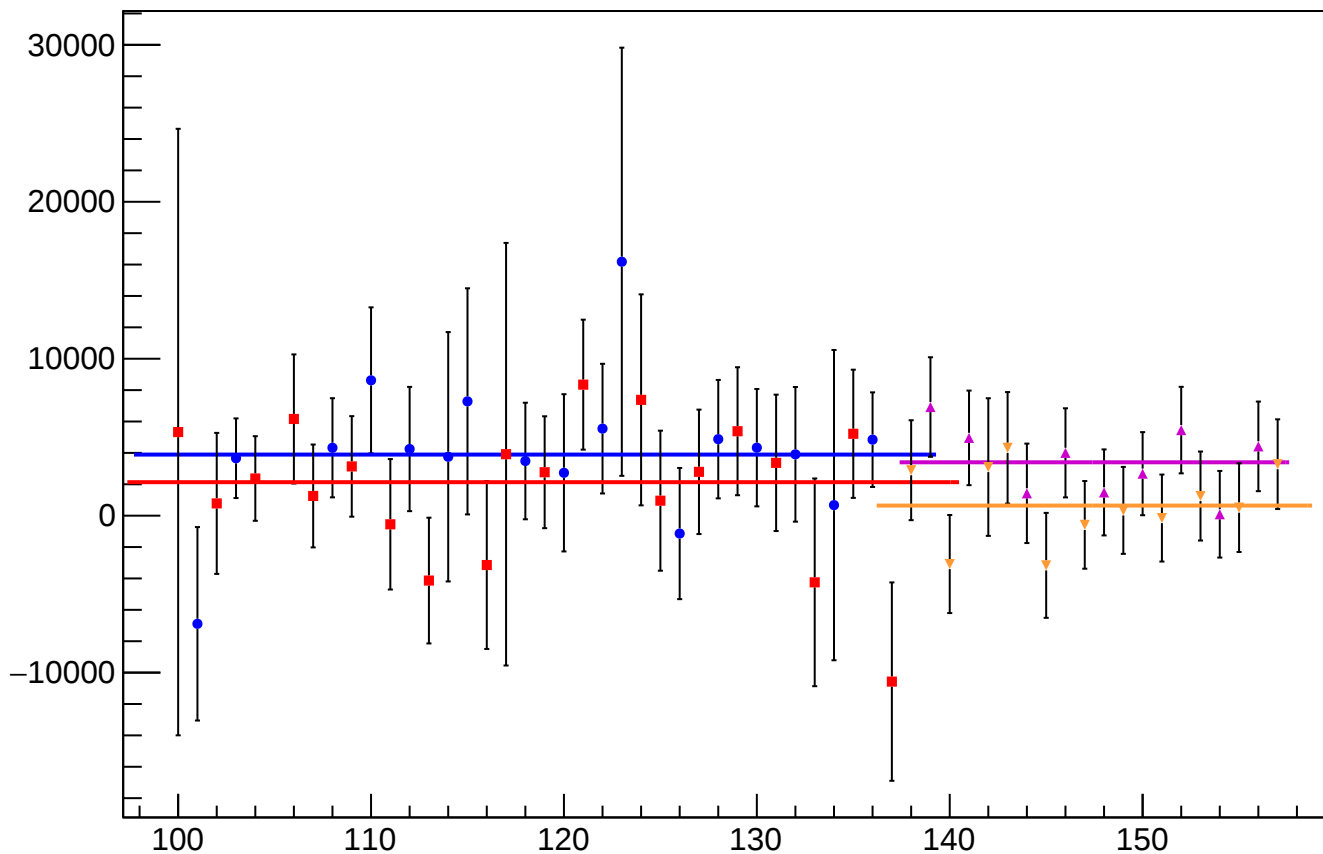
Left In: 2921.038+/-0.762 χ^2/NDF : 24276.7/8

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

2924.781+/-0.386 χ^2/NDF : 888510.2/56

2911.672+/-0.546 χ^2/NDF : 194907.6/28

reg_asym_atr2_mean vs Slug, Sign Corrected



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

Left Out: 643.503+/-919.642 χ^2/NDF : 5.8/10

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

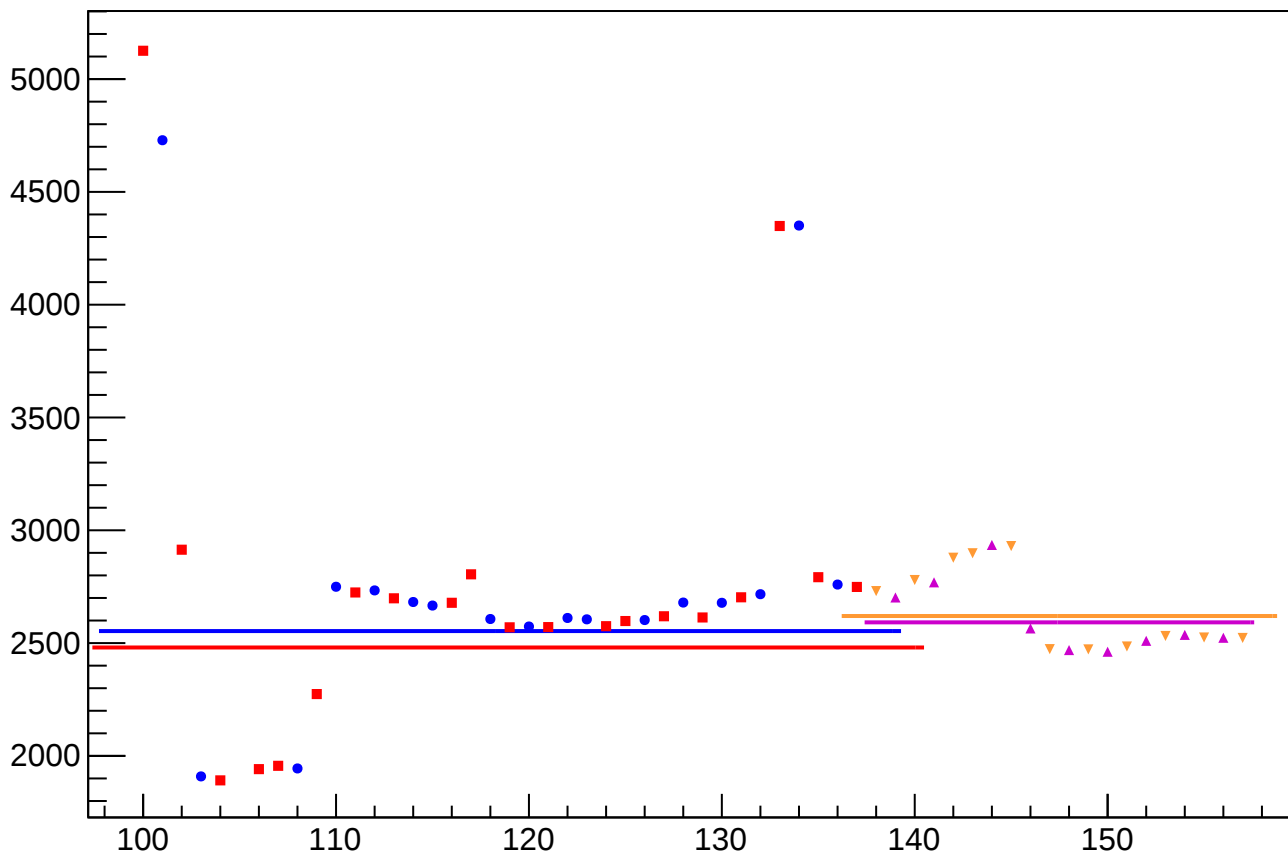
Left In: 3400.843+/-955.746 χ^2/NDF : 4.6/8

2113.461+/-680.514 χ^2/NDF : 18.6/27

2442.682+/-479.558 χ^2/NDF : 38.9/56

2767.457+/-675.904 χ^2/NDF : 19.9/28

reg_asym_atr2_rms vs Slug, Sign Corrected



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

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

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

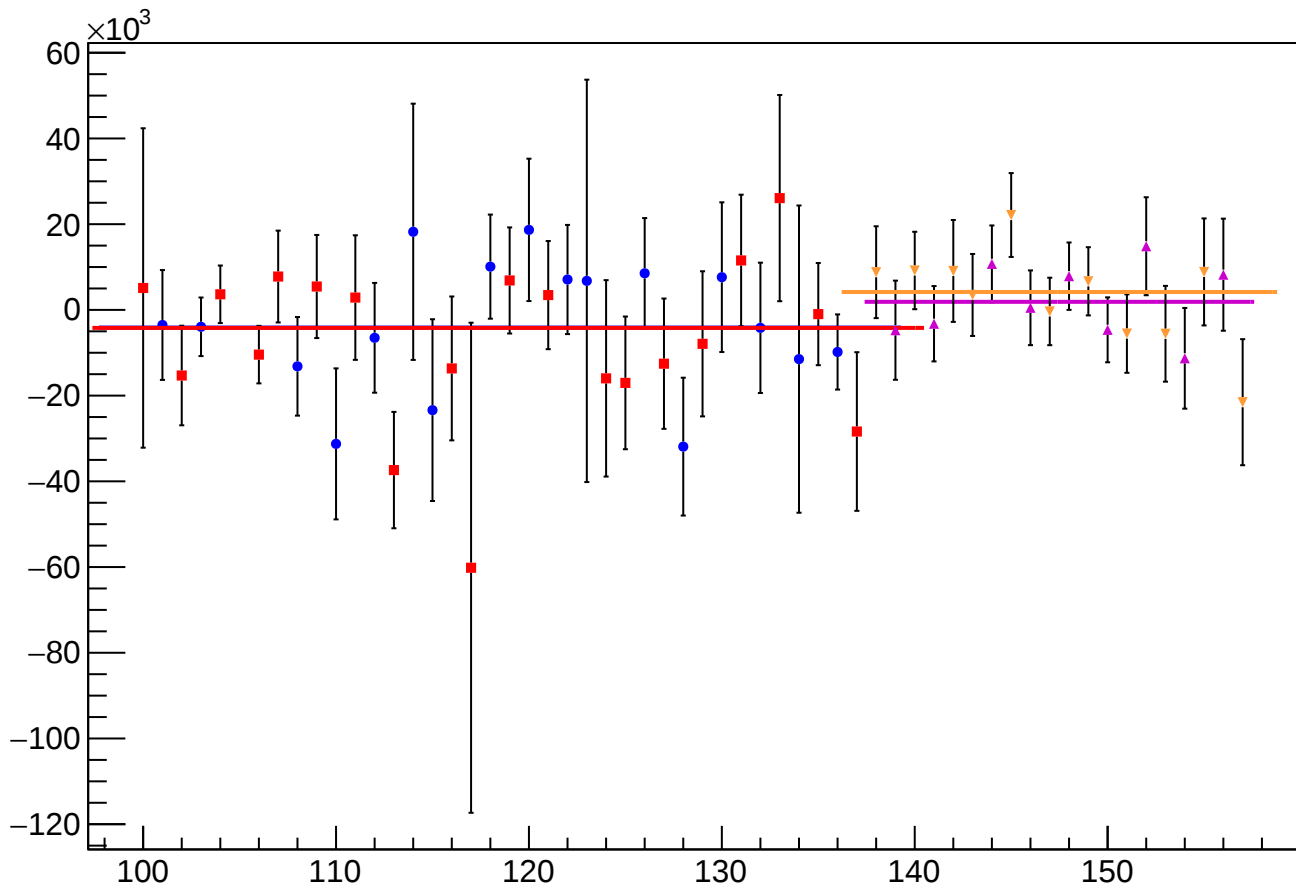
Left In: 2591.916 $\pm$ 0.676 χ^2/NDF : 45567.7/8

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

2562.838 $\pm$ 0.339 χ^2/NDF : 1132592.5/56

2536.224 $\pm$ 0.478 χ^2/NDF : 509822.0/28

asym_atr2_correction_mean vs Slug, Sign Corrected



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

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

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

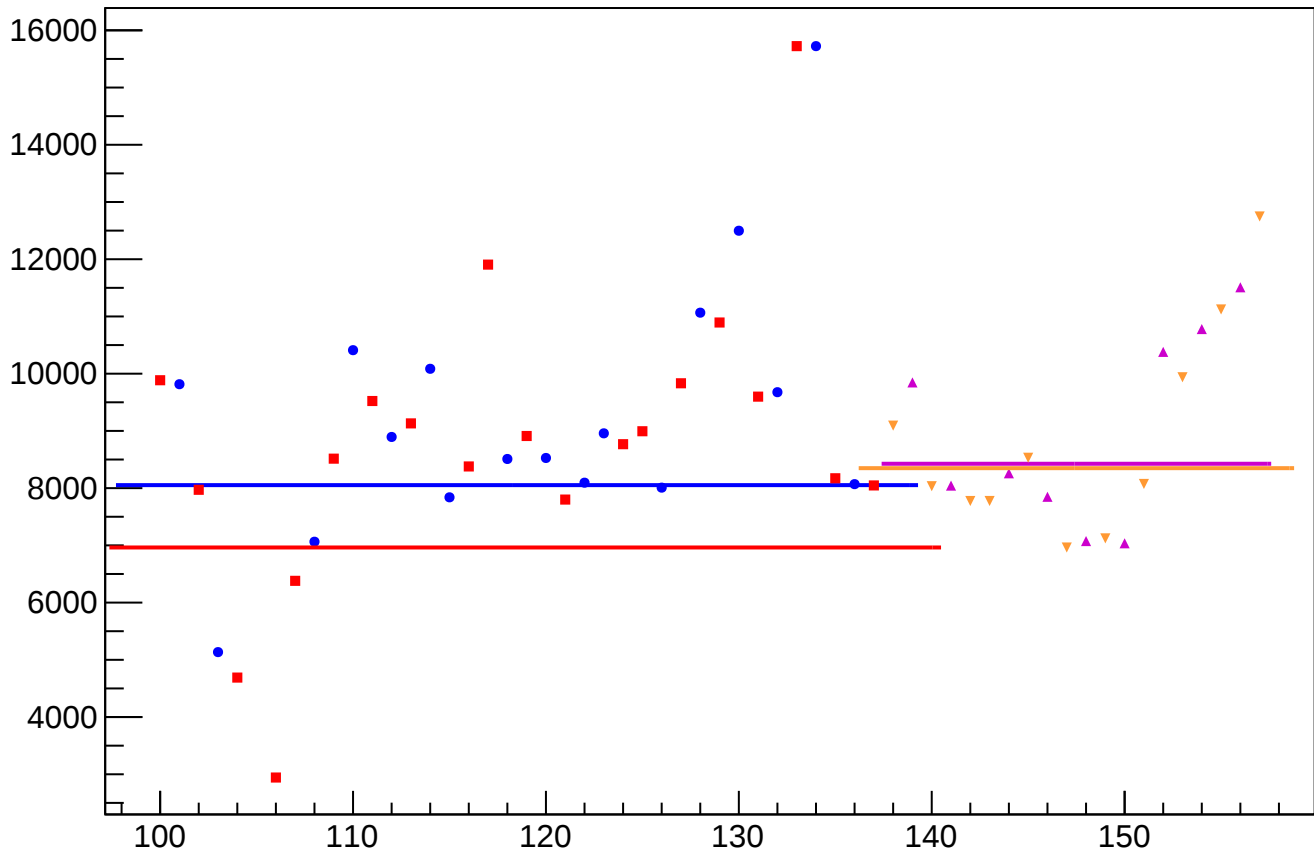
Left In: 1881.853 ± 3156.636 χ^2/NDF : 5.8/8

351.314 ± 2190.741 χ^2/NDF : 26.5/27

-603.861 ± 1518.807 χ^2/NDF : 54.1/56

-1487.838 ± 2107.511 χ^2/NDF : 27.3/28

asym_atr2_correction_rms vs Slug, Sign Corrected



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

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

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

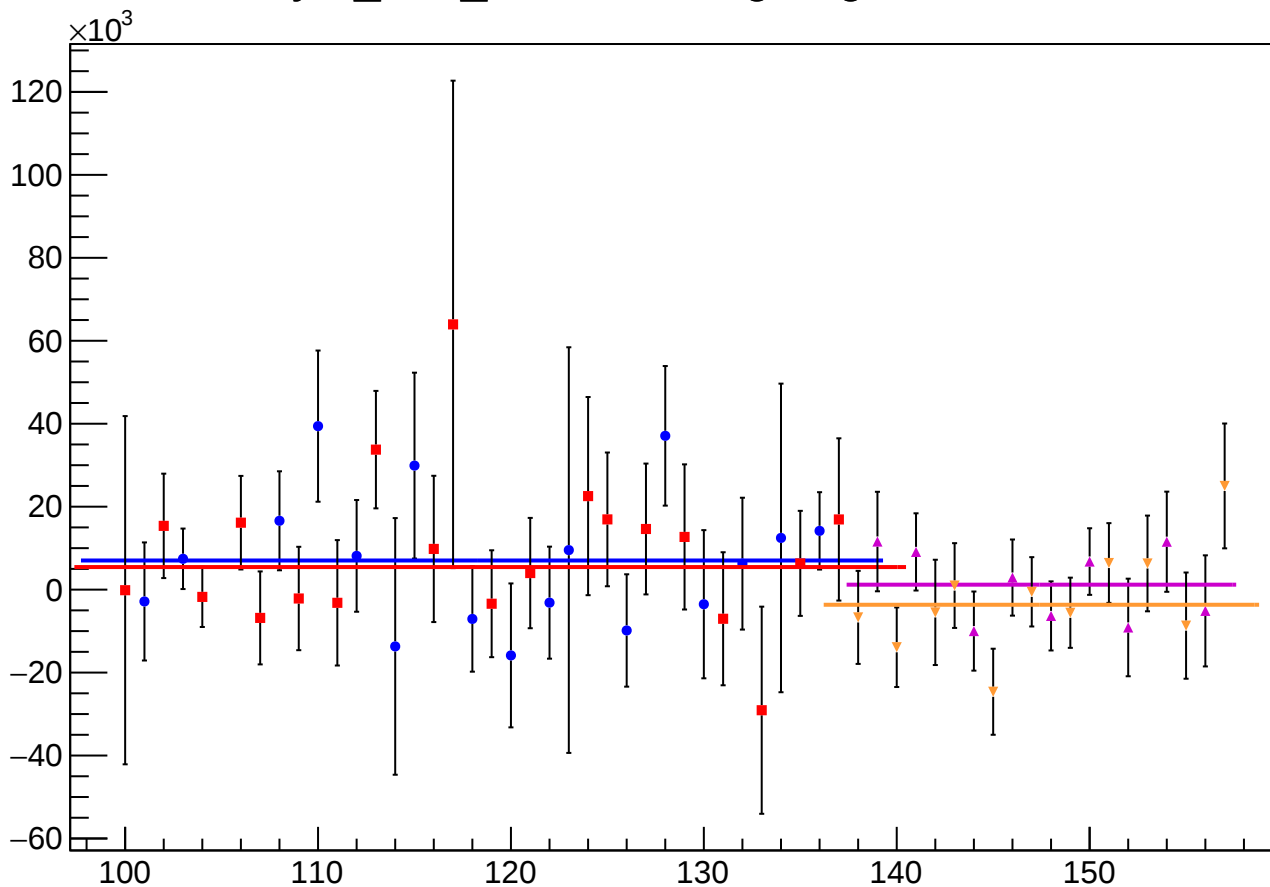
Left In: 8426.036 +/- 2.232 χ^2/NDF : 419818.3/8

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

7902.219 +/- 1.074 χ^2/NDF : 3780485.0/56

7615.198 +/- 1.490 χ^2/NDF : 2449473.3/28

asym_atr2_mean vs Slug, Sign Corrected



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

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

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

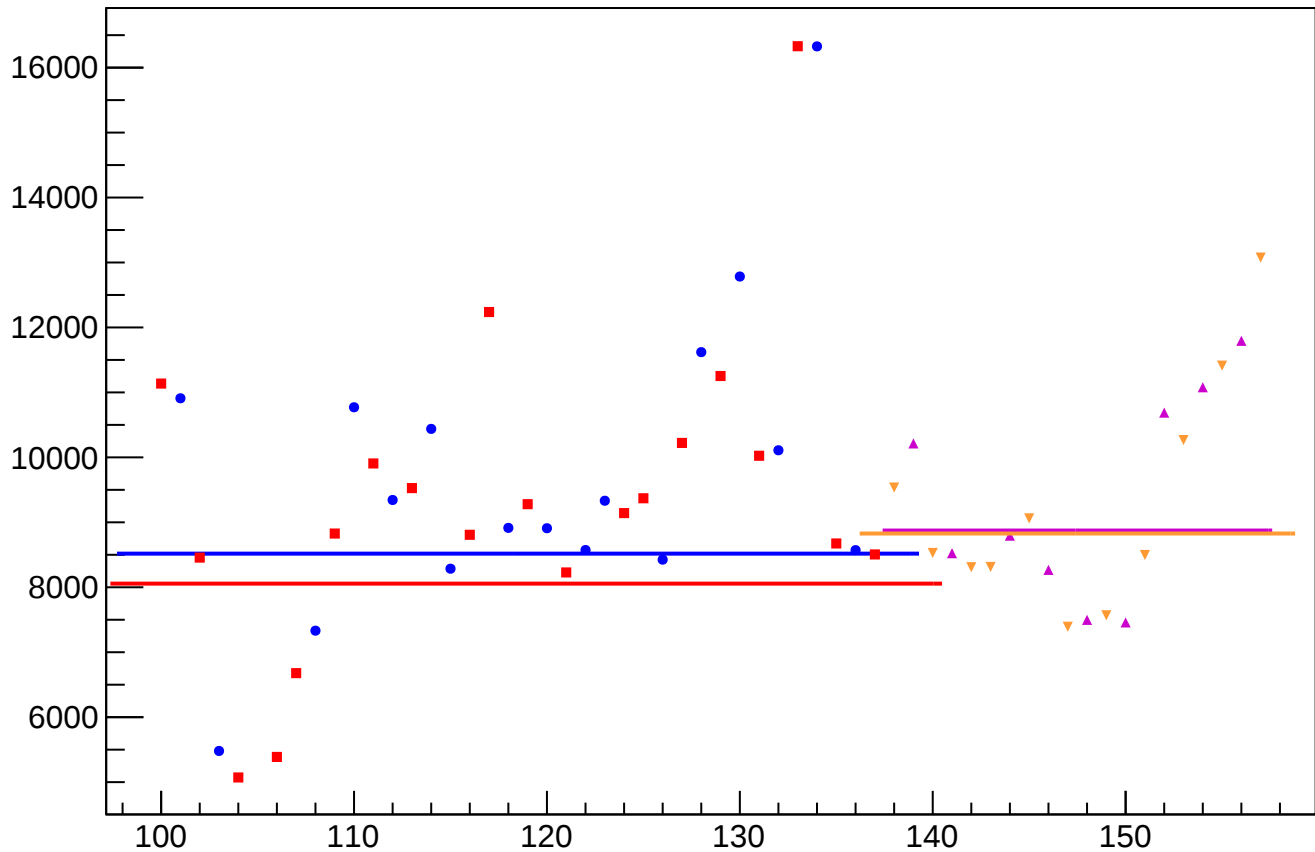
Left In: 1194.122 $\pm$ 3315.943 χ^2/NDF : 5.9/8

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

2349.996 $\pm$ 1626.678 χ^2/NDF : 53.2/56

3417.821 $\pm$ 2288.965 χ^2/NDF : 21.1/28

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8517.886 $\pm$ 2.411 χ^2 /NDF: 763281.4/16

Left Out: 8827.604 $\pm$ 2.225 χ^2 /NDF: 396929.6/10

Right Out: 8056.153 $\pm$ 2.237 χ^2 /NDF: 962282.6/19

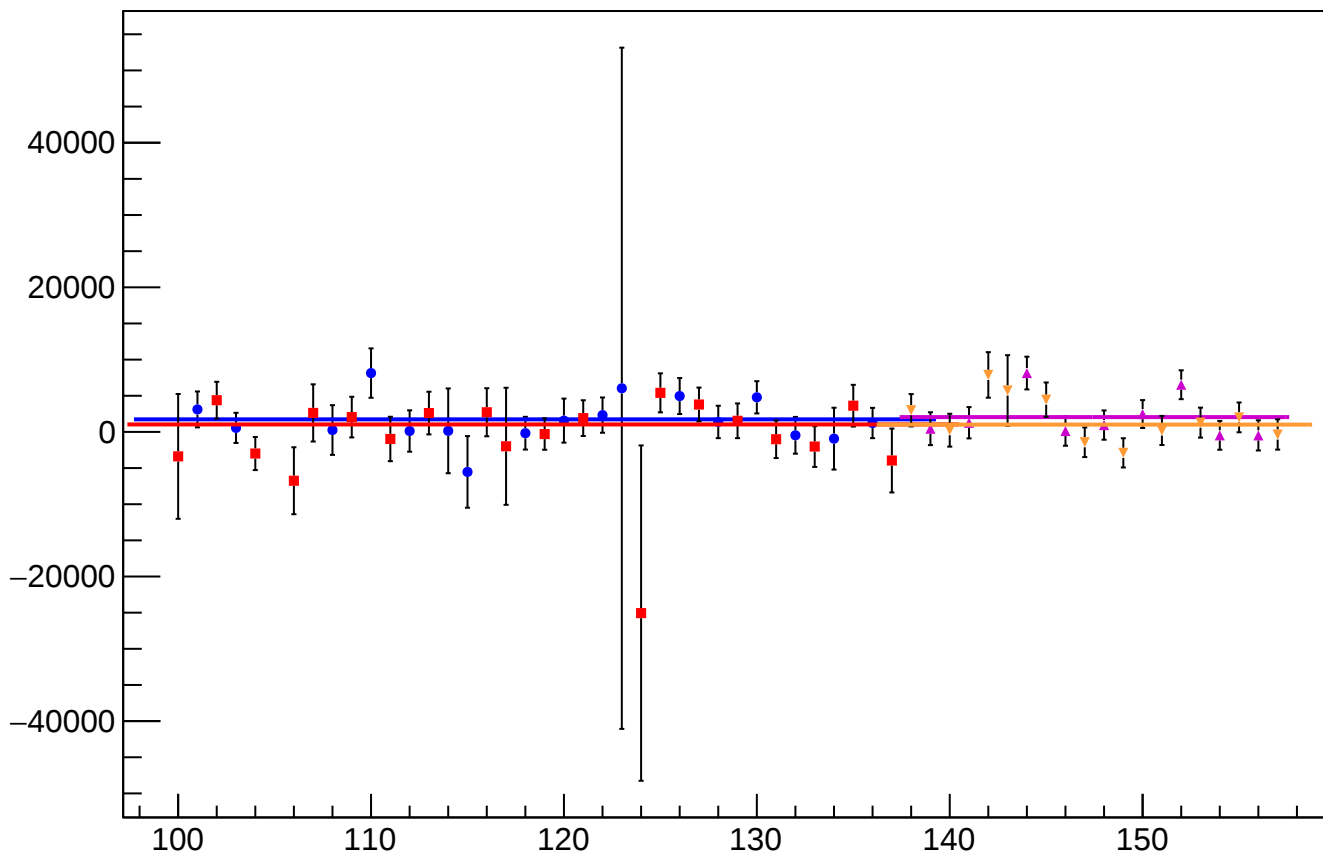
Left In: 8873.313 $\pm$ 2.345 χ^2 /NDF: 362711.7/8

8685.168 $\pm$ 1.635 χ^2 /NDF: 1169124.9/27

8564.133 $\pm$ 1.150 χ^2 /NDF: 2568556.6/56

8445.517 $\pm$ 1.619 χ^2 /NDF: 1388580.1/28

reg_asym_atl_avg_mean vs Slug, Sign Corrected



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

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

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

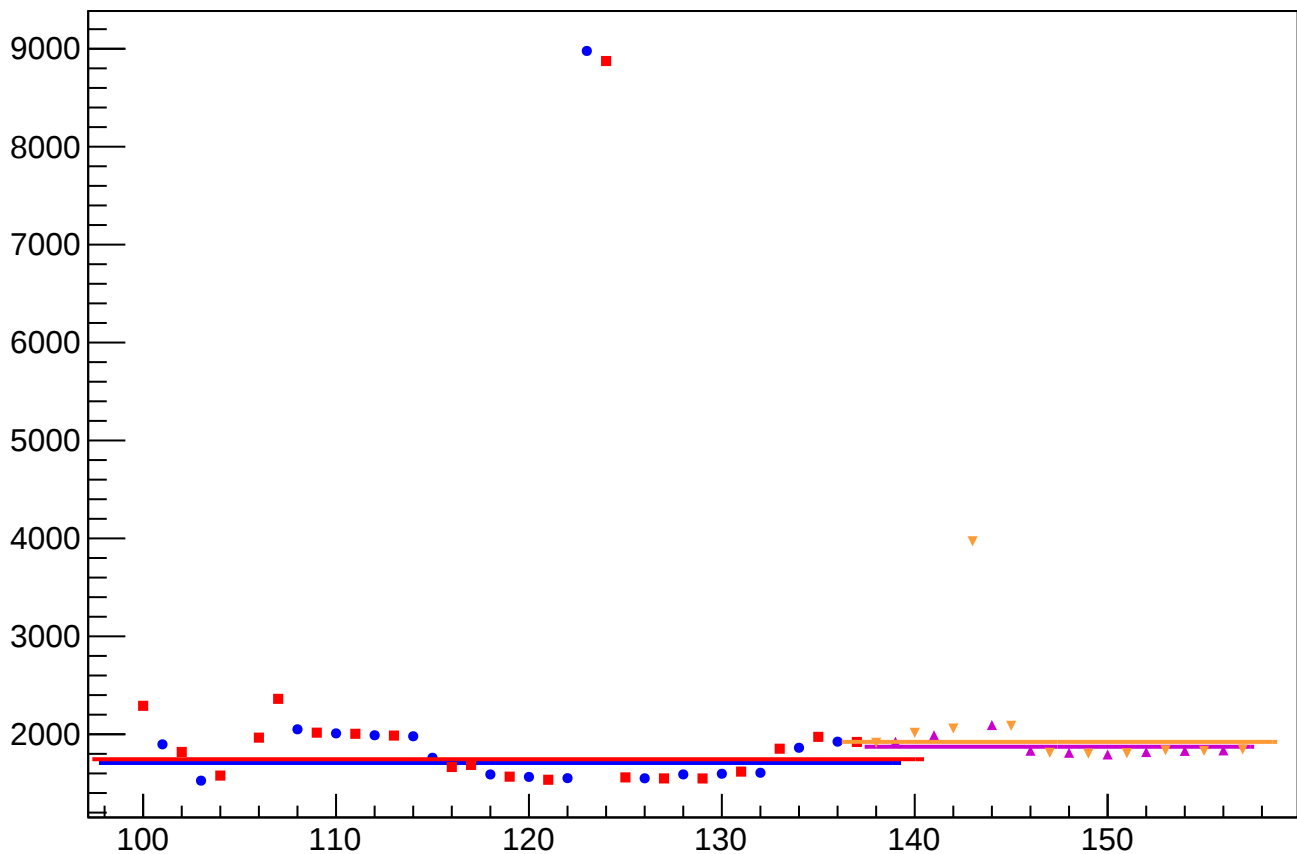
Left In: 2050.285+/-692.290 χ^2/NDF : 17.2/8

1382.363+/-478.757 χ^2/NDF : 27.7/27

1453.331+/-339.310 χ^2/NDF : 65.0/56

1524.954+/-480.963 χ^2/NDF : 37.3/28

reg_asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 1922.275 $\pm$ 0.484 χ^2 /NDF: 397825.8/10

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

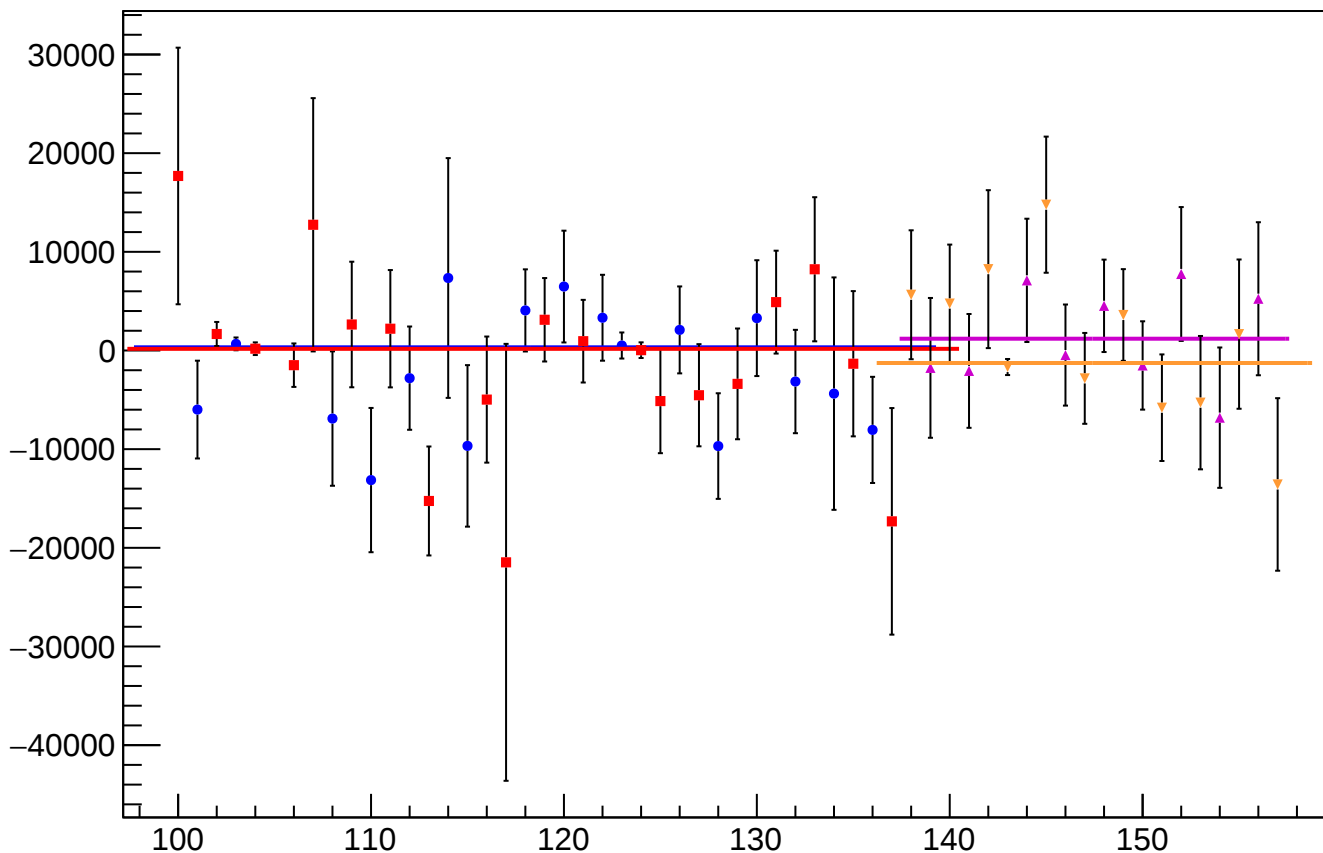
Left In: 1872.405 $\pm$ 0.490 χ^2 /NDF: 34949.3/8

1812.417 $\pm$ 0.339 χ^2 /NDF: 696560.1/27

1809.331 $\pm$ 0.240 χ^2 /NDF: 1166764.1/56

1806.231 $\pm$ 0.339 χ^2 /NDF: 470037.5/28

asym_atl_avg_correction_mean vs Slug, Sign Corrected



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

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

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

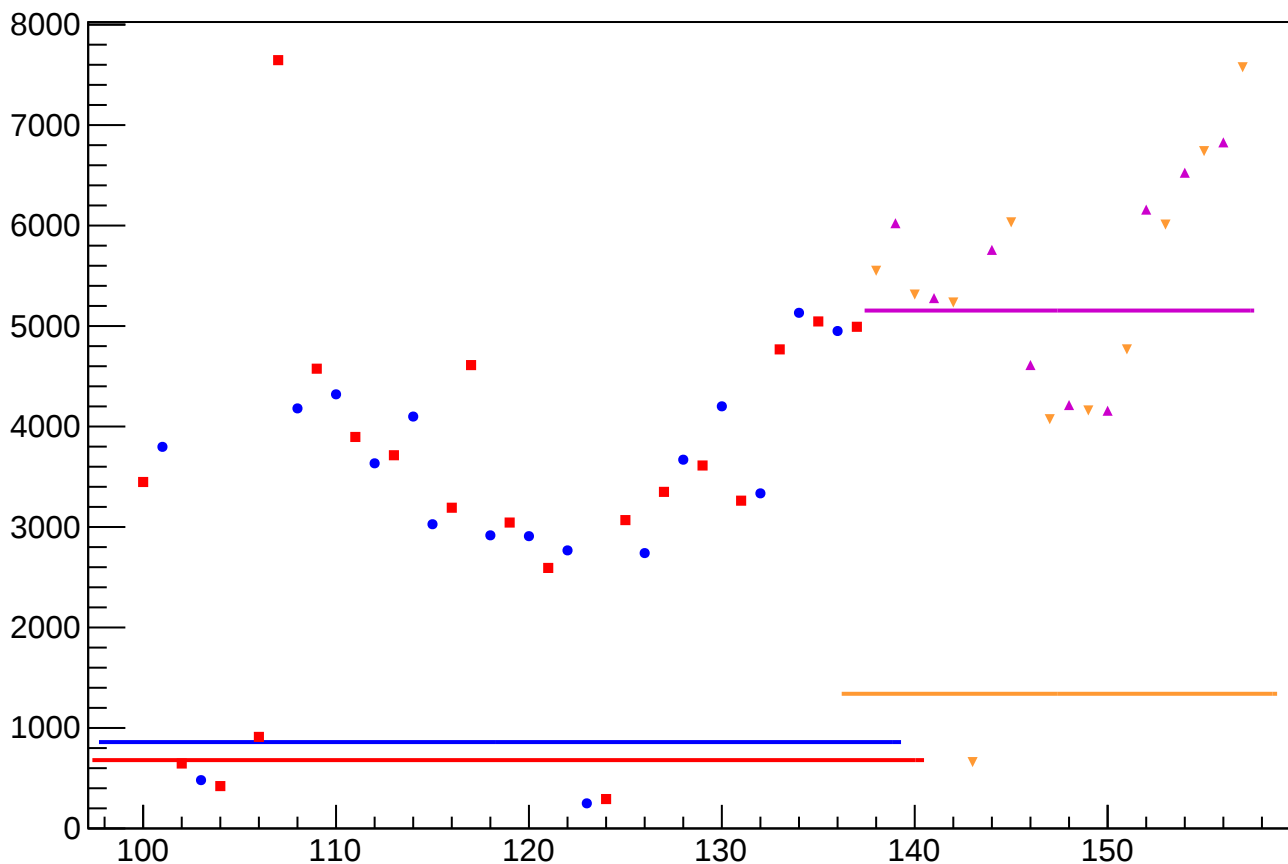
Left In: 1193.899 $\pm$ 1934.024 χ^2 /NDF:4.8/8

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

6.027 $\pm$ 304.448 χ^2 /NDF: 61.9/56

217.396 $\pm$ 422.975 χ^2 /NDF: 26.8/28

asym_atl_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1340.252+/-0.531 χ^2/NDF : 9742643.3/10

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

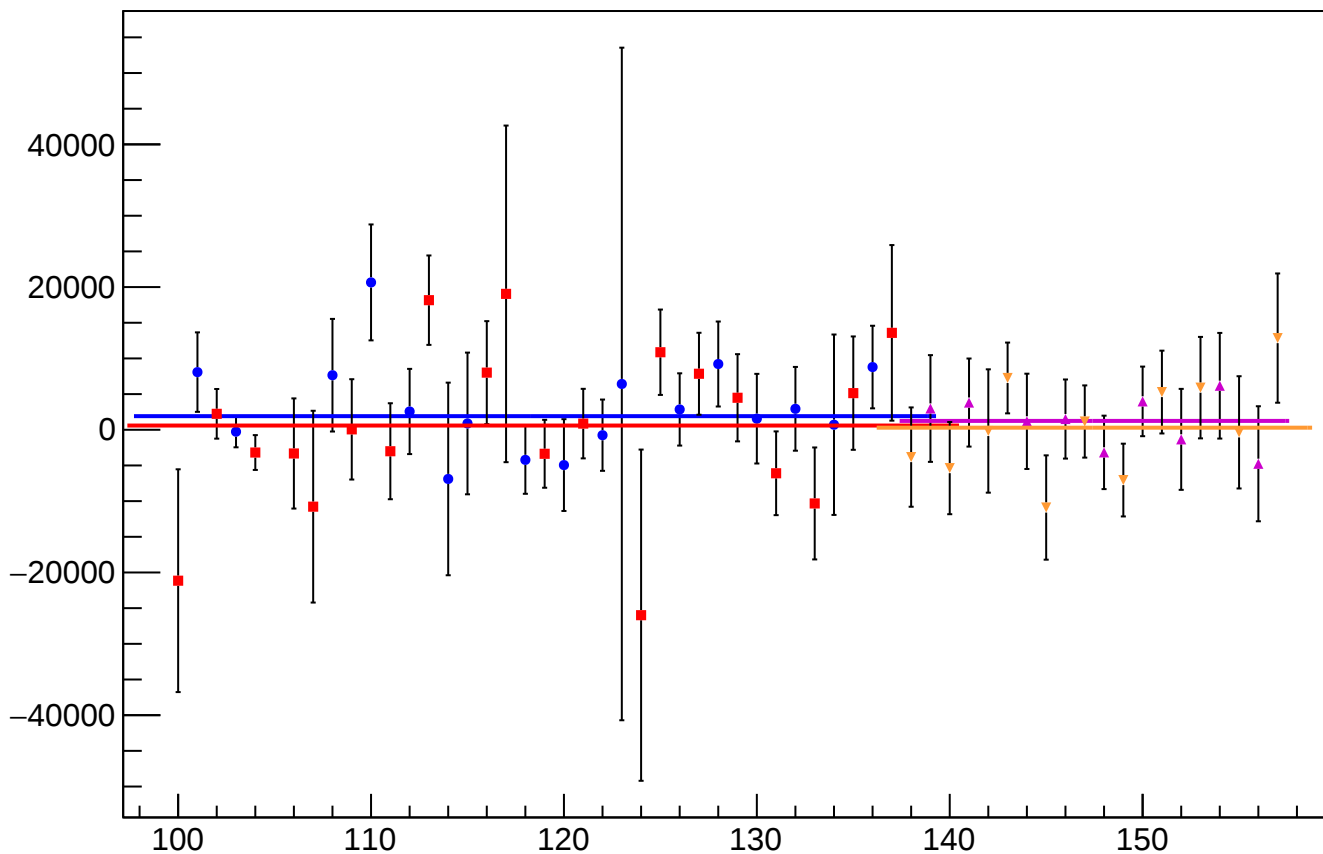
Left In: 5154.145+/-1.368 χ^2/NDF : 463394.3/8

1023.649+/-0.310 χ^2/NDF : 18426140.6/27

956.535+/-0.215 χ^2/NDF : 37618884.5/56

894.106+/-0.299 χ^2/NDF : 19102337.0/28

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1909.348 $\pm$ 1310.219 χ^2/NDF : 14.6/16

Left Out: 293.884 $\pm$ 1914.952 χ^2/NDF : 10.8/10

Right Out: 594.380 $\pm$ 1283.911 χ^2/NDF : 27.0/19

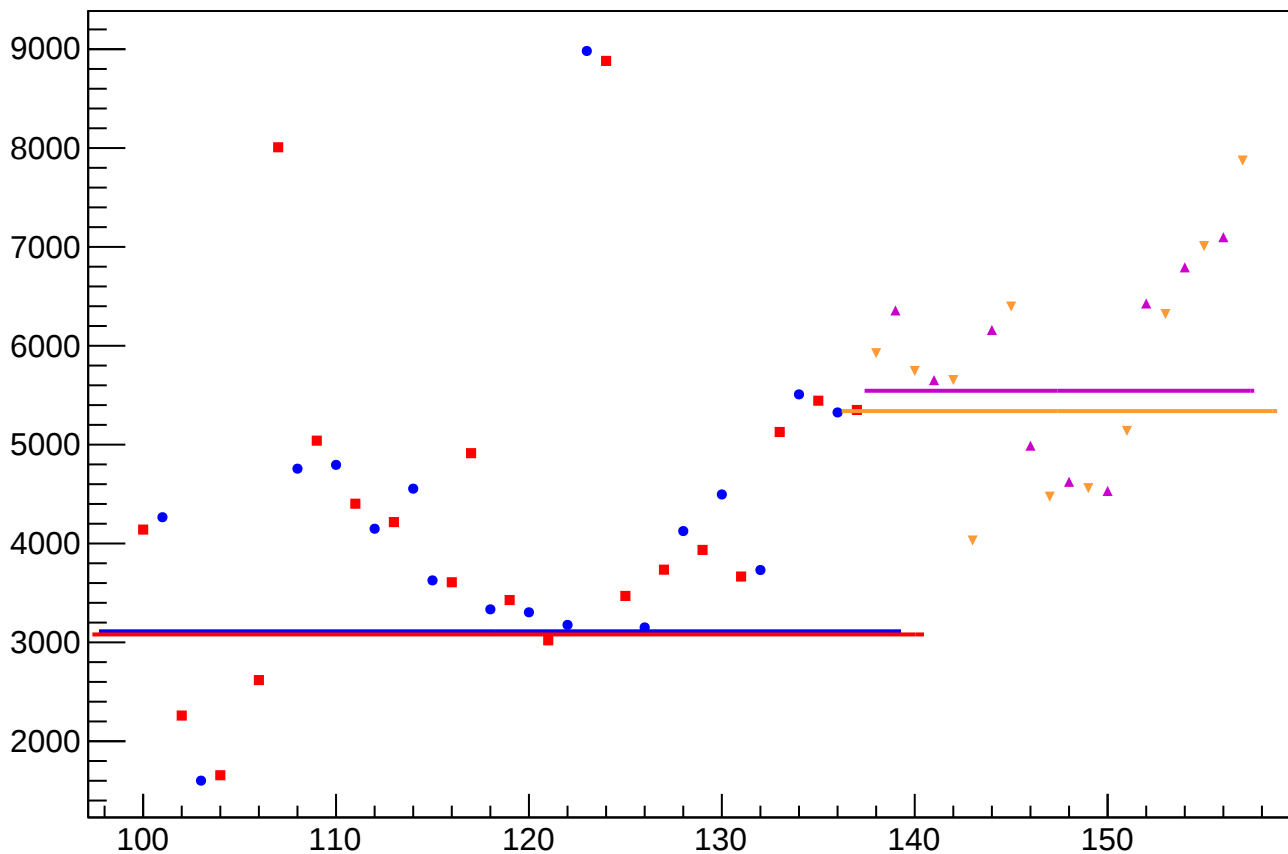
Left In: 1243.564 $\pm$ 2073.939 χ^2/NDF : 2.4/8

1394.234 $\pm$ 1081.336 χ^2/NDF : 25.9/27

1087.184 $\pm$ 768.242 χ^2/NDF : 55.6/56

774.245 $\pm$ 1091.655 χ^2/NDF : 29.5/28

asym_atl_avg_rms vs Slug, Sign Corrected



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

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

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

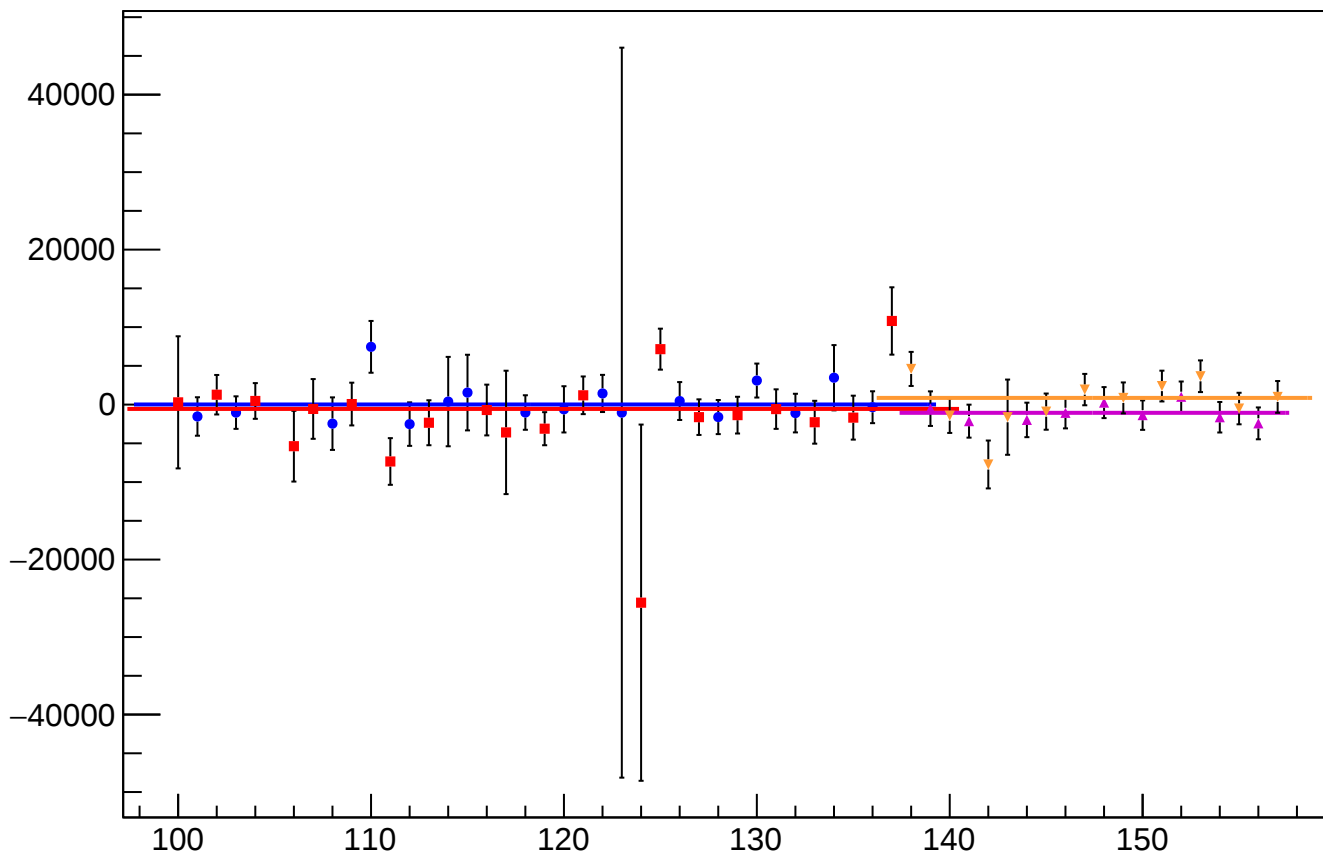
Left In: 5545.030 +/- 1.466 χ^2/NDF : 373810.5/8

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

3785.429 +/- 0.540 χ^2/NDF : 8776350.7/56

3748.758 +/- 0.764 χ^2/NDF : 4450391.5/28

reg_asym_atl_dd_mean vs Slug, Sign Corrected



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

Left Out: 863.650 ± 673.444 $\chi^2/\text{NDF}: 15.7/10$

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

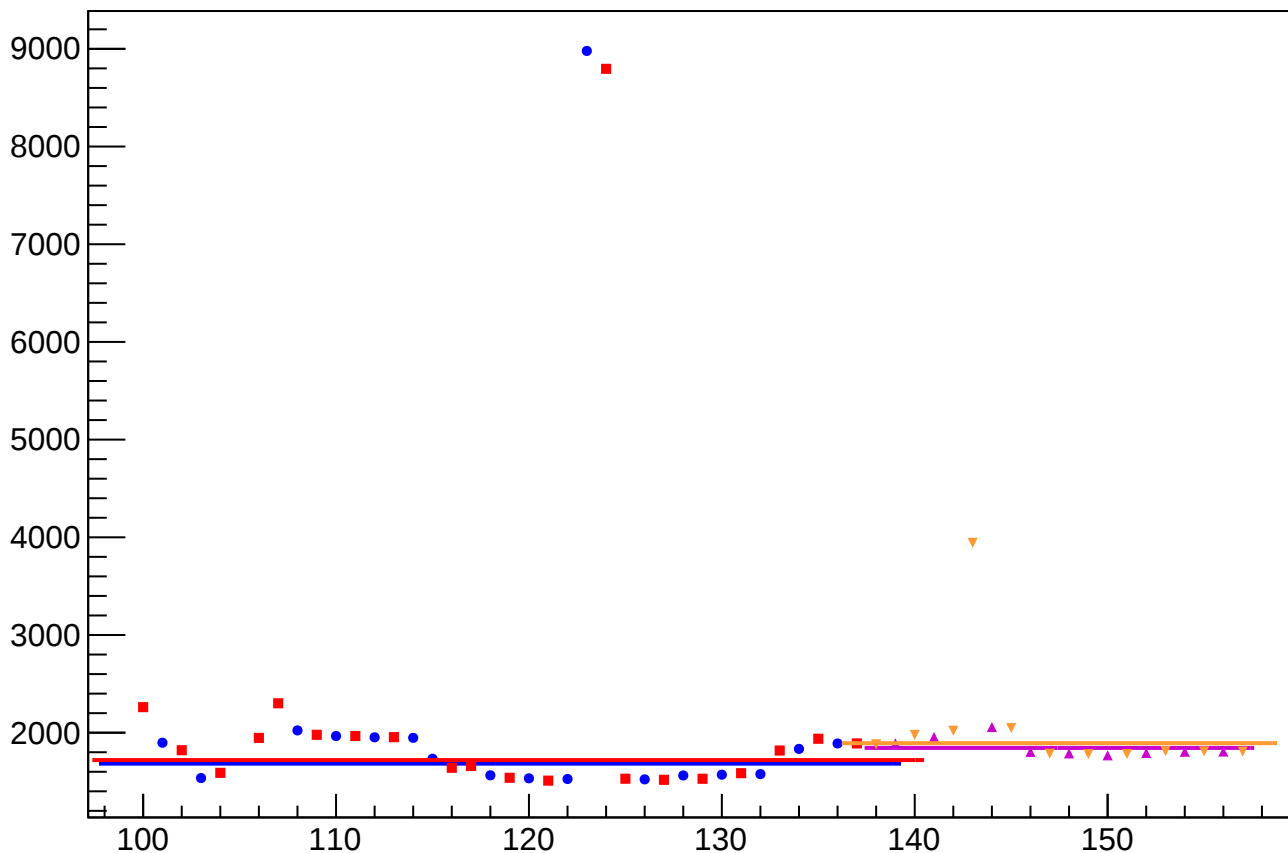
Left In: -1062.274 ± 681.854 $\chi^2/\text{NDF}: 2.6/8$

431.028 ± 471.772 $\chi^2/\text{NDF}: 27.6/27$

-182.675 ± 334.312 $\chi^2/\text{NDF}: 60.7/56$

-801.692 ± 473.811 $\chi^2/\text{NDF}: 29.7/28$

reg_asym_atl_dd_rms vs Slug, Sign Corrected



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

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

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

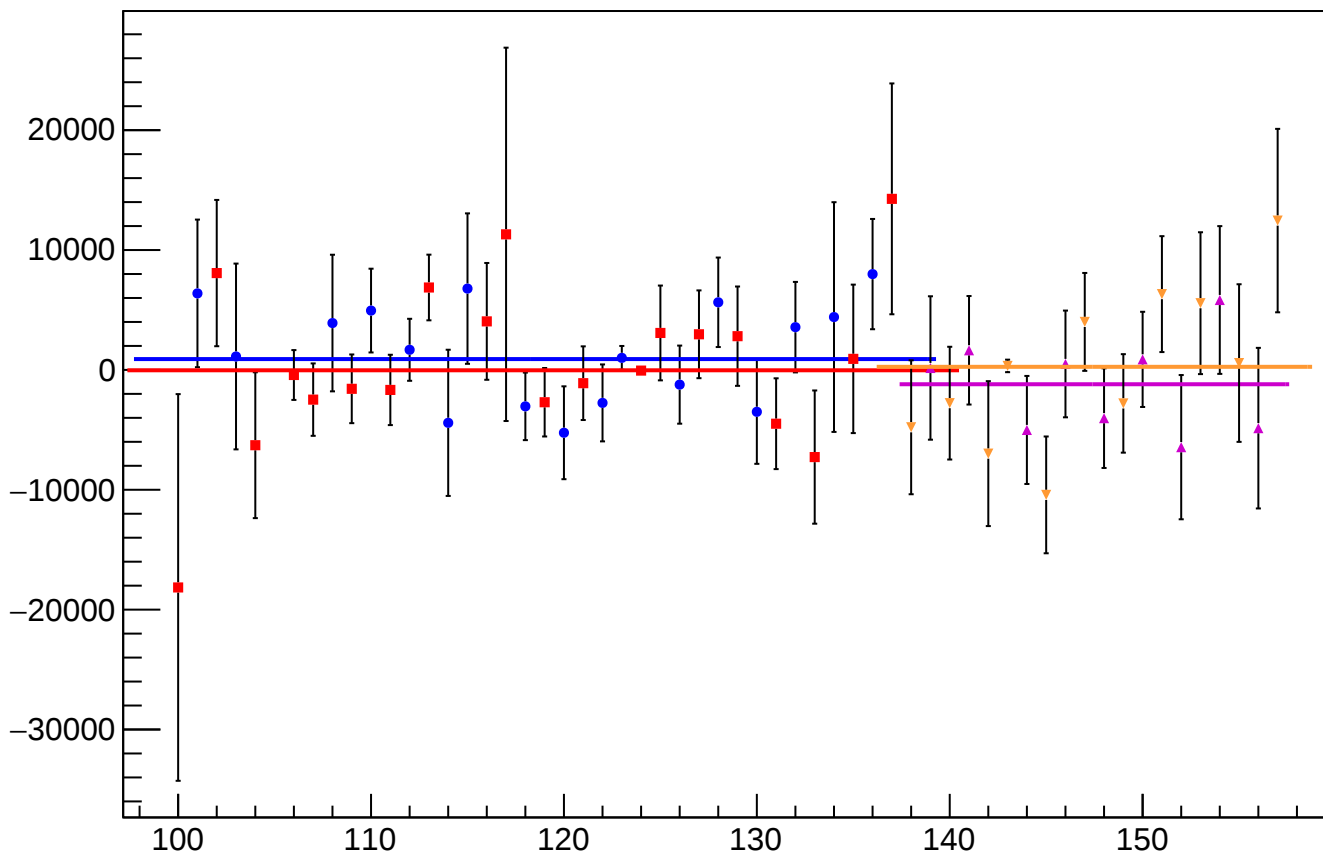
Left In: 1844.278+/-0.482 χ^2/NDF : 33208.2/8

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

1782.877+/-0.236 χ^2/NDF : 1158946.0/56

1779.723+/-0.334 χ^2/NDF : 463947.6/28

asym_atl_dd_correction_mean vs Slug, Sign Corrected



Right In: 903.344 $\pm$ 705.564 χ^2/NDF : 16.0/16

Left Out: 257.324 $\pm$ 497.473 χ^2/NDF :13.8/10

Right Out: -32.177 $\pm$ 357.083 χ^2/NDF : 21.0/19

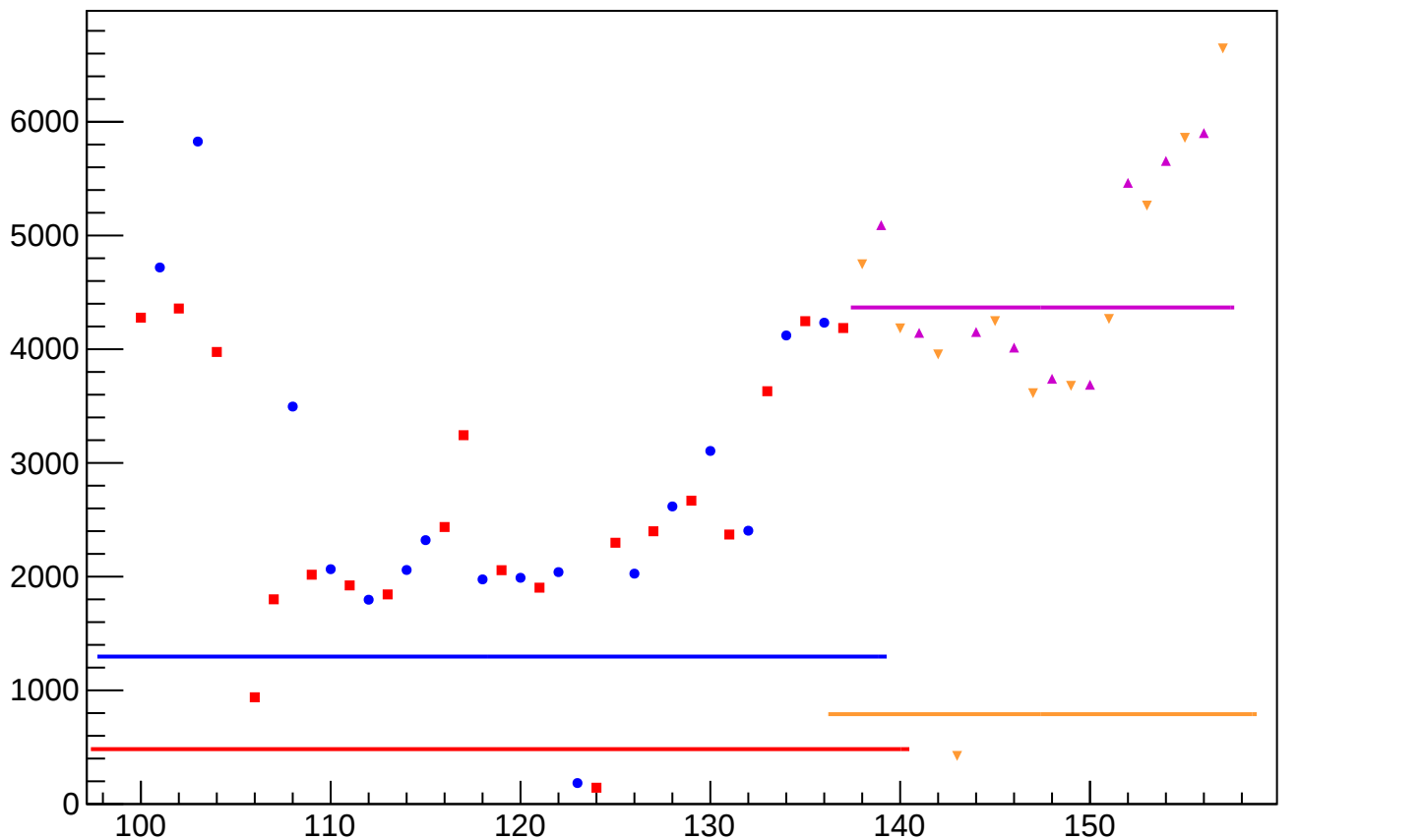
Left In: -1196.306 $\pm$ 1635.239 χ^2/NDF :4.4/8

471.837 $\pm$ 406.575 χ^2/NDF : 30.4/27

151.032 $\pm$ 264.757 χ^2/NDF : 57.4/56

-85.161 $\pm$ 348.862 χ^2/NDF : 25.9/28

asym_atl_dd_correction_rms vs Slug, Sign Corrected



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

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

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

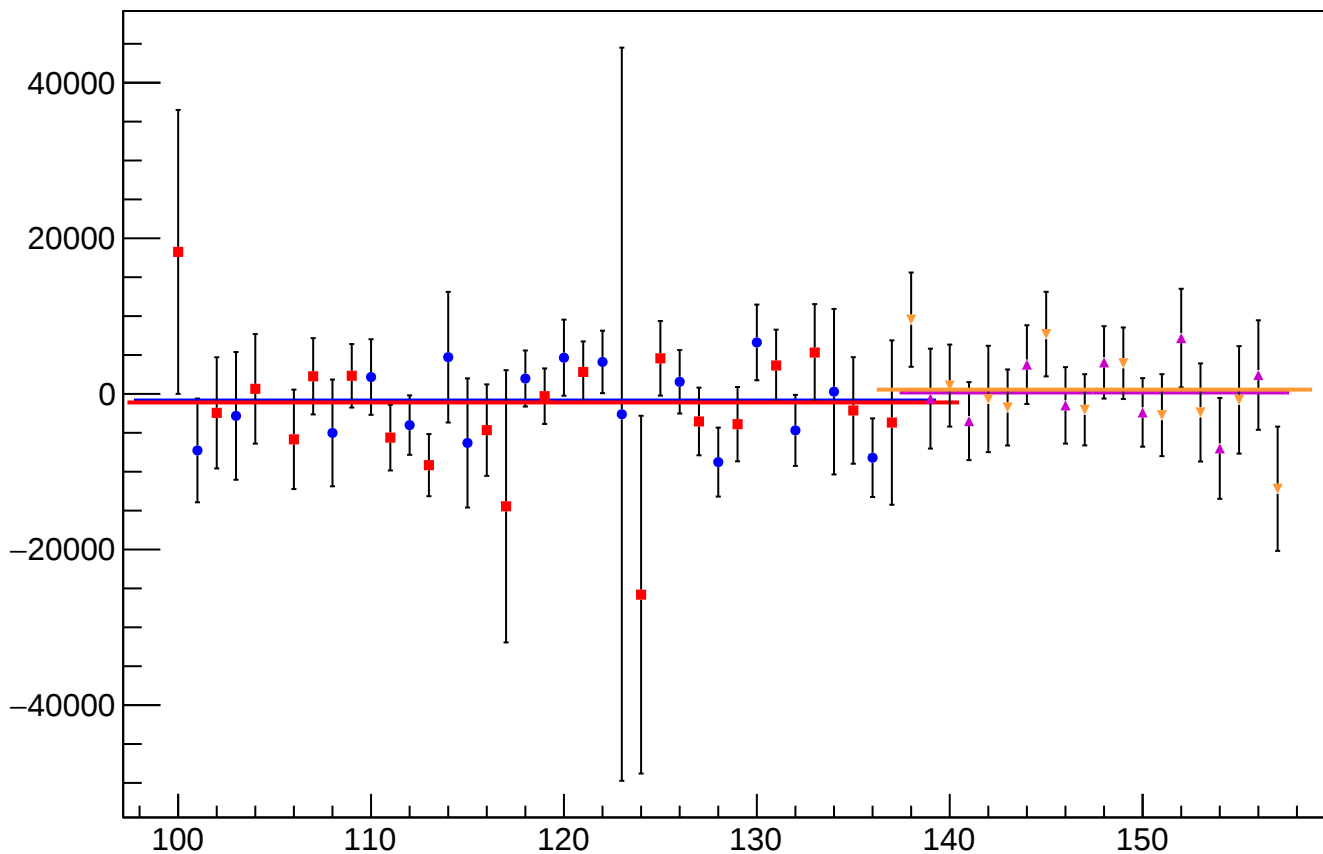
Left In: 4367.104+/-1.156 χ^2/NDF : 414043.8/8

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

786.560+/-0.187 χ^2/NDF : 40277013.9/56

659.809+/-0.247 χ^2/NDF : 21391022.1/28

asym_atl_dd_mean vs Slug, Sign Corrected



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

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

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

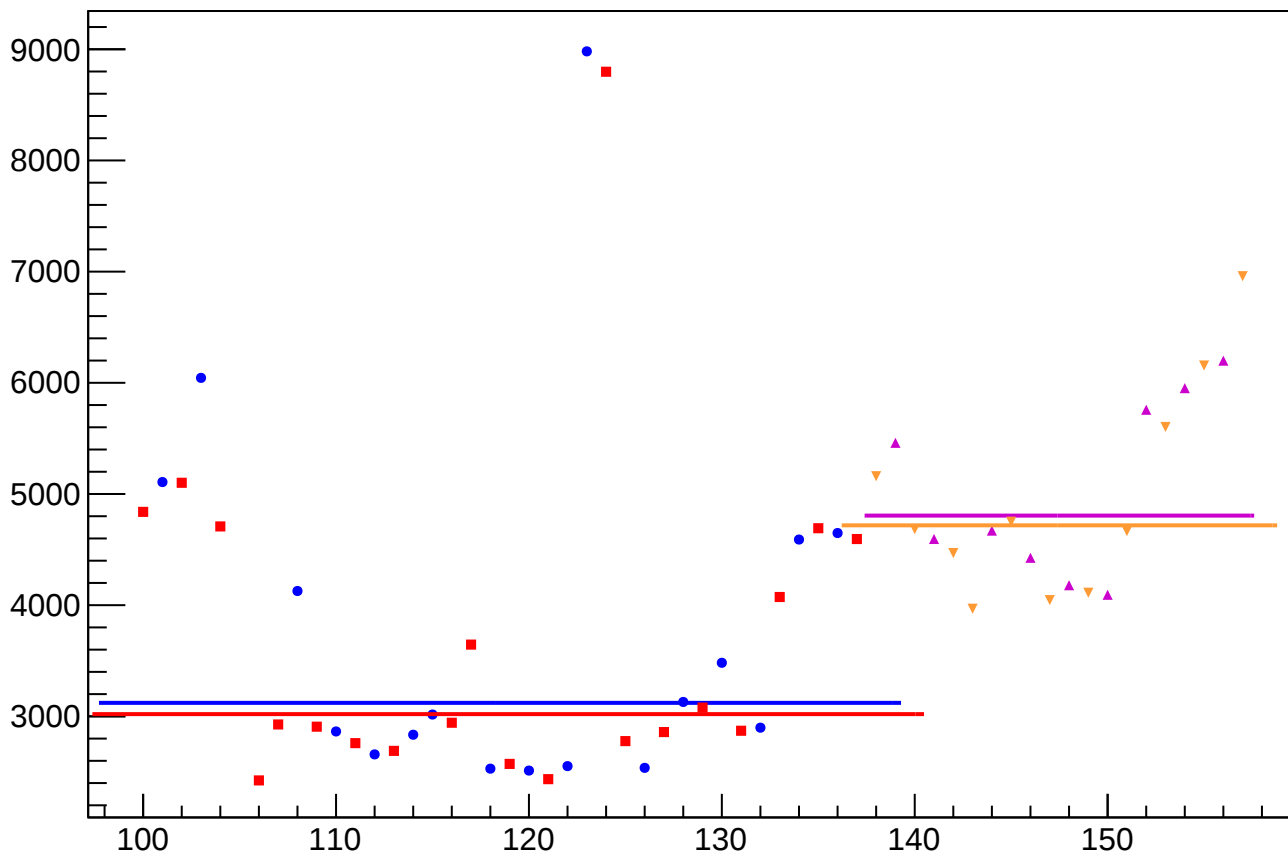
Left In: 186.356 ± 1792.941 χ^2/NDF : 4.7/8

-345.337 ± 1009.029 χ^2/NDF : 24.1/27

-528.081 ± 706.781 χ^2/NDF : 44.9/56

-704.108 ± 990.312 χ^2/NDF : 20.7/28

asym_atl_dd_rms vs Slug, Sign Corrected



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

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

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

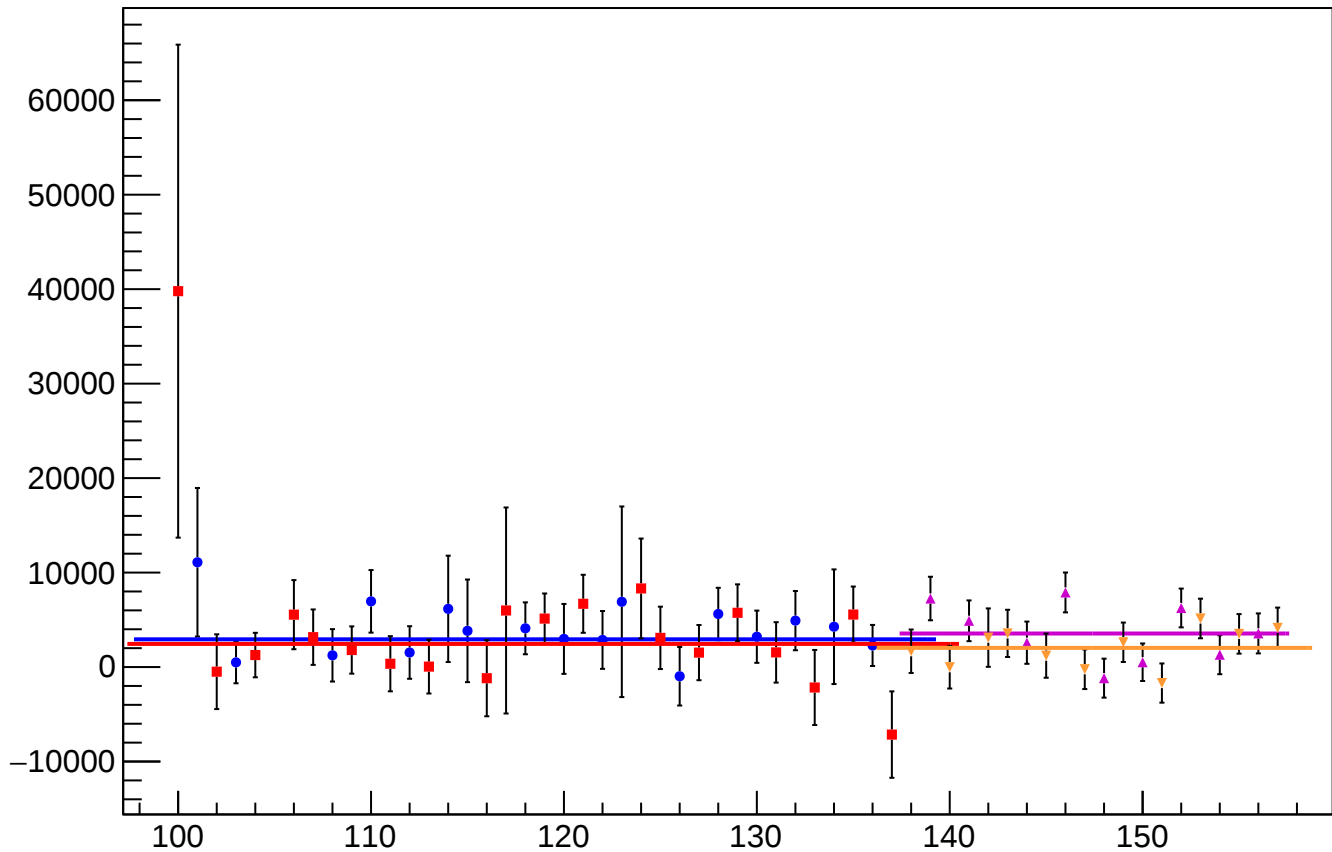
Left In: 4805.658+/-1.268 χ^2/NDF : 312122.9/8

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

3623.662+/-0.498 χ^2/NDF : 5036723.6/56

3555.401+/-0.694 χ^2/NDF : 2495634.6/28

reg_asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: 2031.384 $\pm$ 674.837 χ^2 /NDF:9.6/10

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

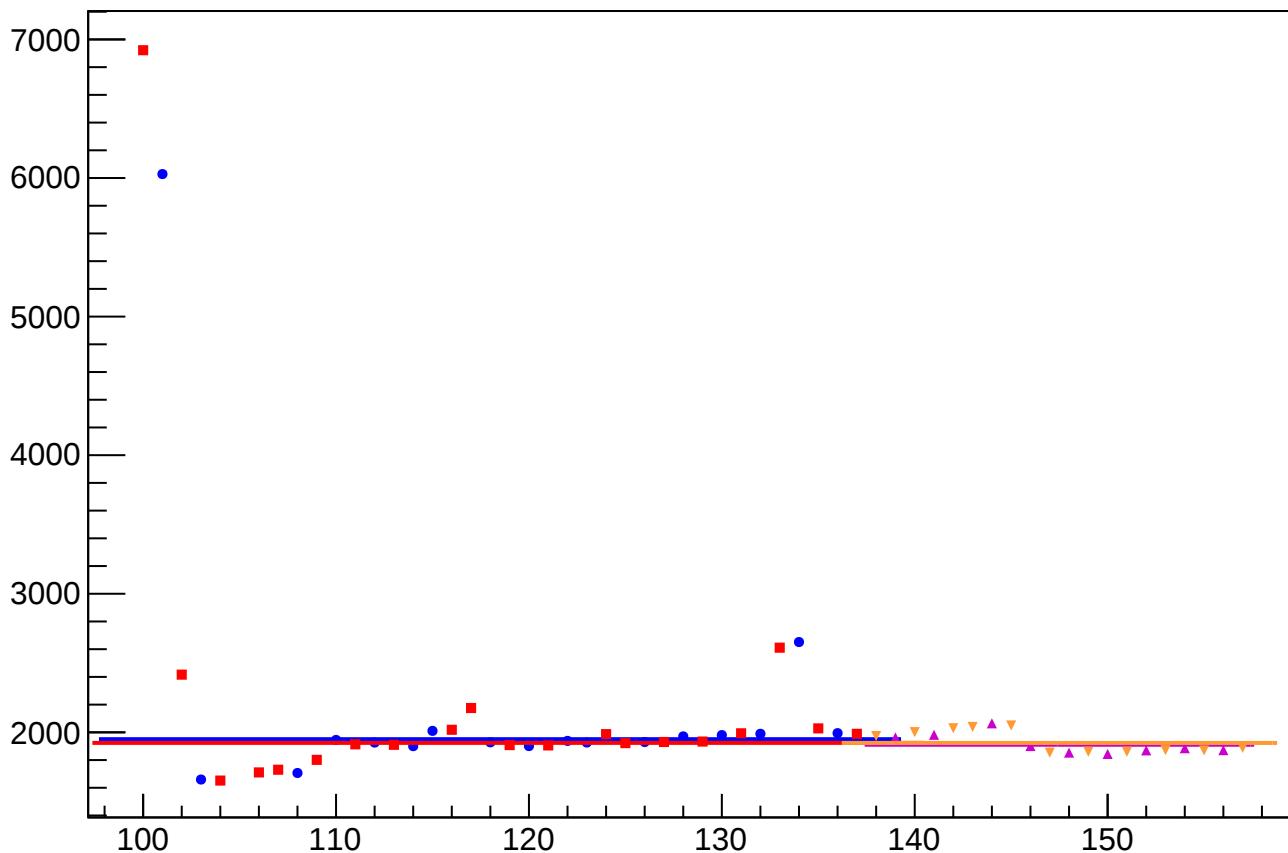
Left In: 3550.527 $\pm$ 704.777 χ^2 /NDF:17.9/8

2421.210 $\pm$ 509.039 χ^2 /NDF: 18.5/27

2722.917 $\pm$ 360.259 χ^2 /NDF: 56.6/56

3025.681 $\pm$ 509.929 χ^2 /NDF: 37.4/28

reg_asym_atr_avg_rms vs Slug, Sign Corrected



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

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

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

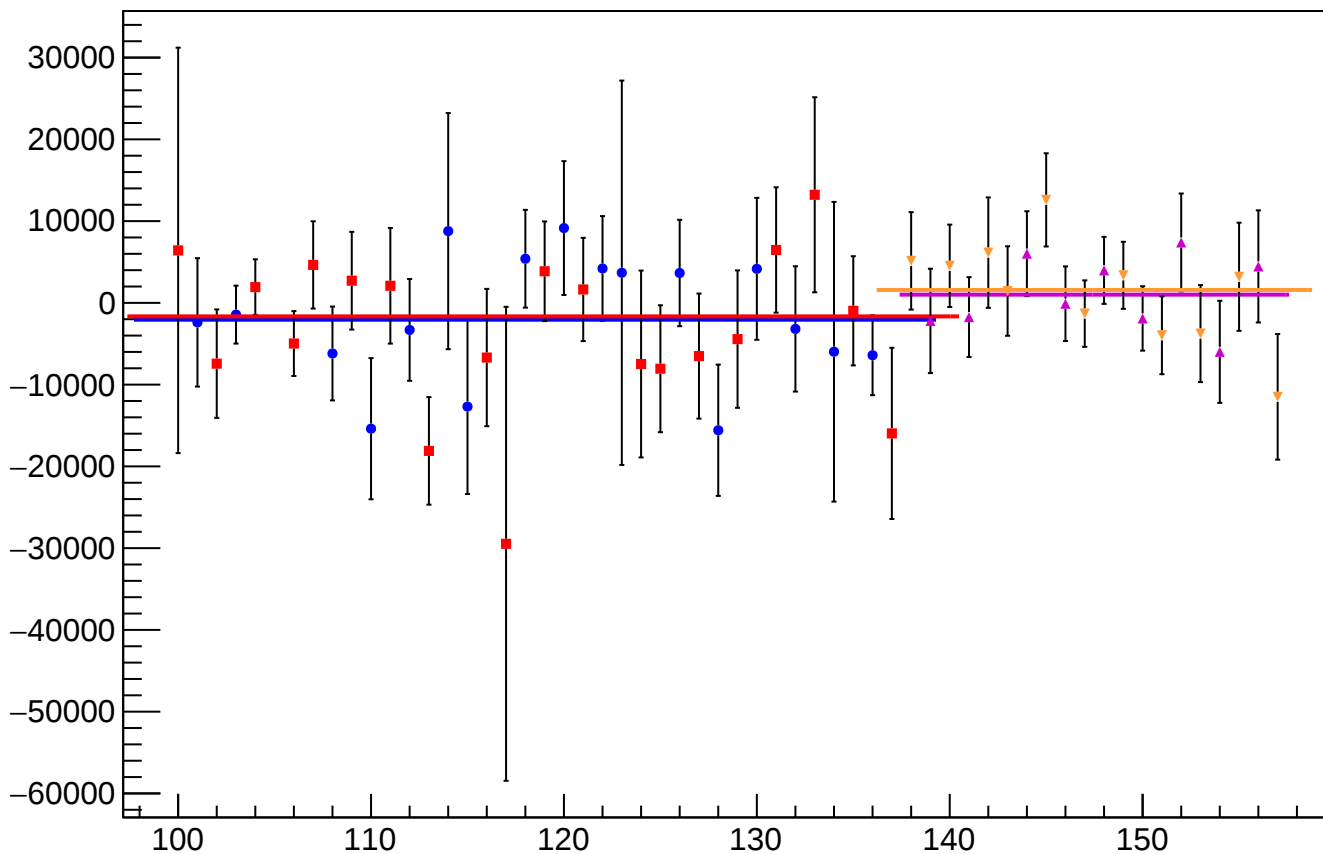
Left In: 1910.406 $\pm$ 0.498 χ^2 /NDF: 18348.1/8

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

1926.044 $\pm$ 0.255 χ^2 /NDF: 882047.9/56

1916.855 $\pm$ 0.360 χ^2 /NDF: 237169.2/28

asym_atr_avg_correction_mean vs Slug, Sign Corrected



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

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

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

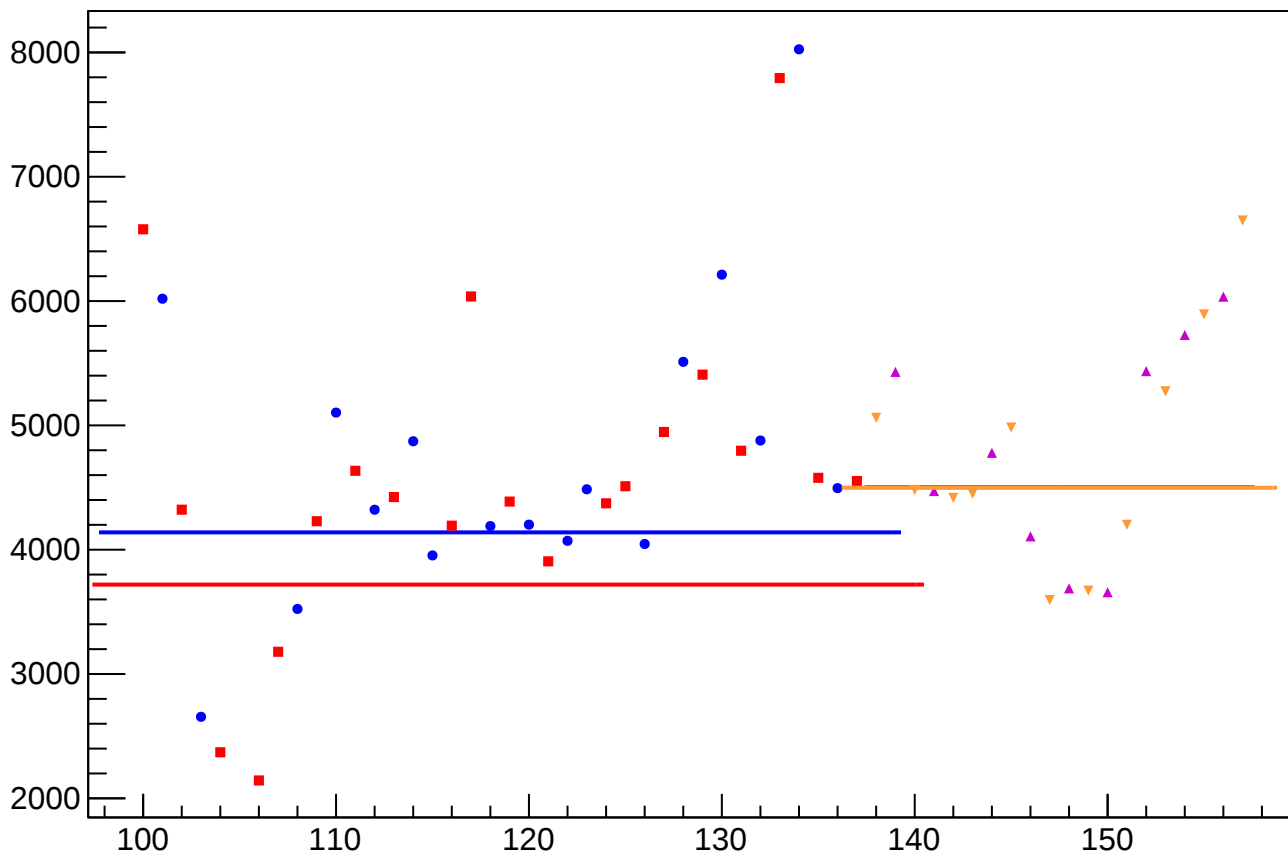
Left In: 1006.865 $\pm$ 1689.287 χ^2 /NDF:5.3/8

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

-347.091 $\pm$ 801.123 χ^2 /NDF: 53.4/56

-501.927 $\pm$ 1111.278 χ^2 /NDF: 26.2/28

asym_atr_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 4498.373 ± 1.138 $\chi^2/\text{NDF}: 500701.4/10$

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

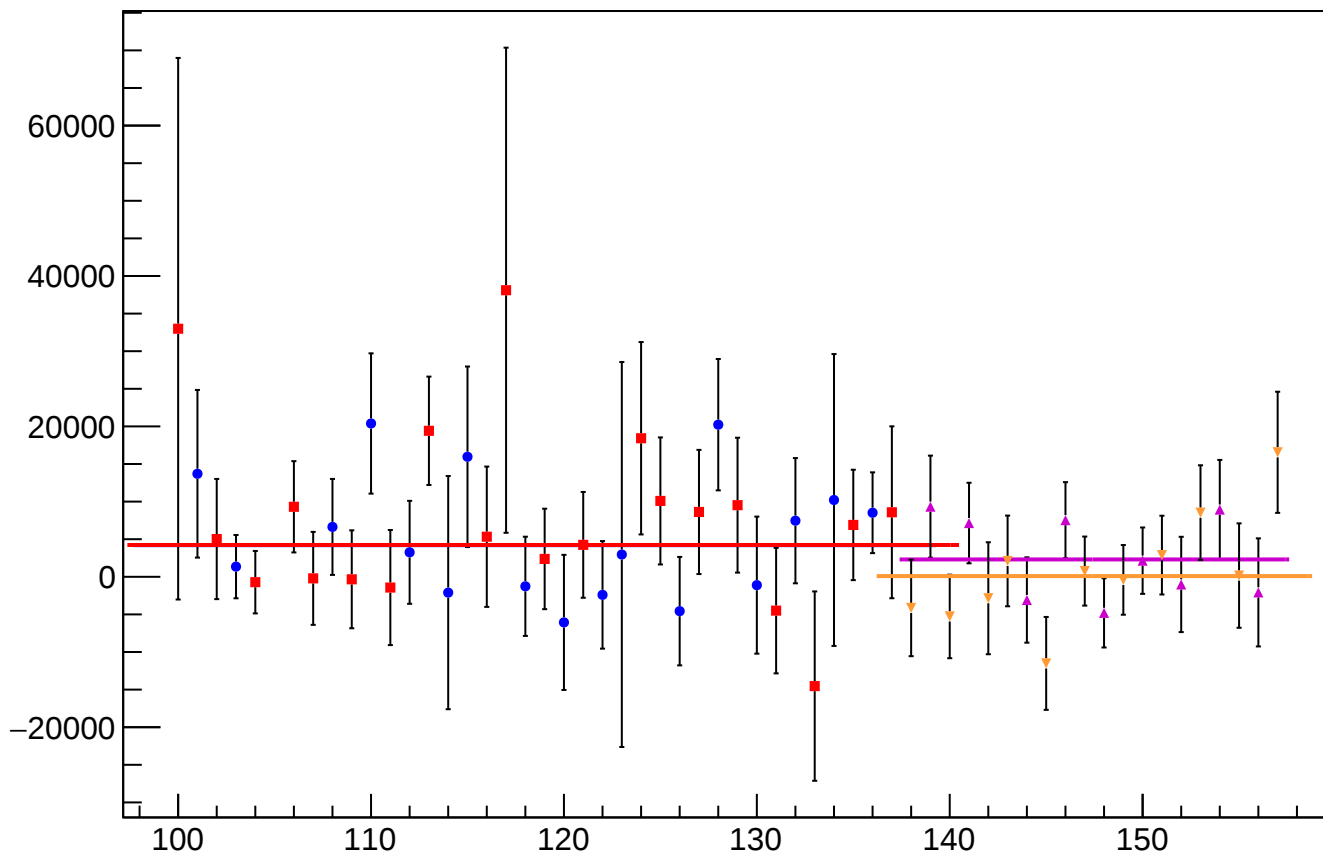
Left In: 4502.719 ± 1.195 $\chi^2/\text{NDF}: 459492.8/8$

4324.523 ± 0.817 $\chi^2/\text{NDF}: 1362424.1/27$

4186.253 ± 0.566 $\chi^2/\text{NDF}: 3409466.7/56$

4058.465 ± 0.786 $\chi^2/\text{NDF}: 1991981.0/28$

asym_atr_avg_mean vs Slug, Sign Corrected



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

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

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

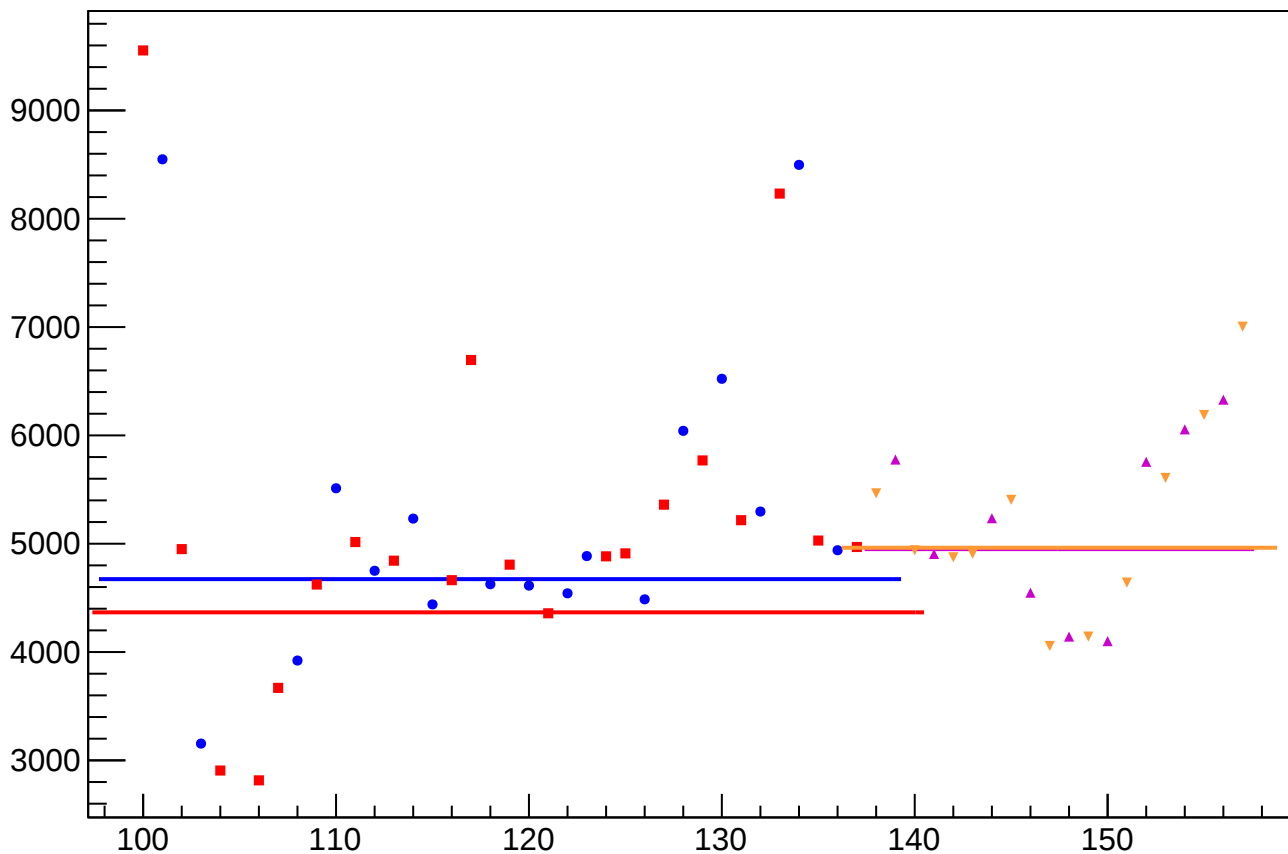
Left In: 2307.887+/-1848.794 χ^2/NDF : 7.9/8

2033.738+/-1284.707 χ^2/NDF : 28.4/27

2697.772+/-899.717 χ^2/NDF : 53.3/56

3336.941+/-1260.424 χ^2/NDF : 24.4/28

asym_atr_avg_rms vs Slug, Sign Corrected



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

Left Out: 4962.893 $\pm$ 1.249 χ^2 /NDF: 383007.5/10

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

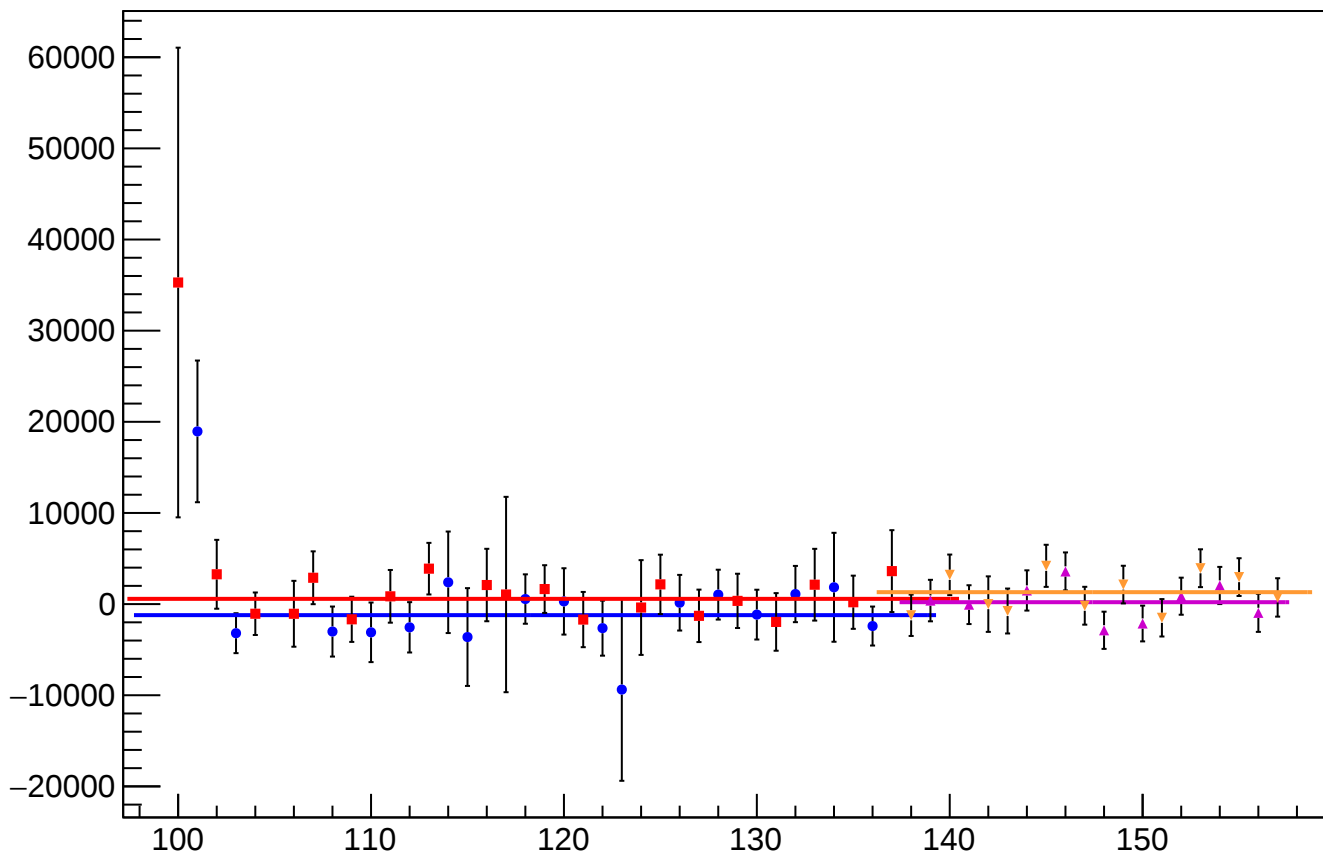
Left In: 4950.086 $\pm$ 1.307 χ^2 /NDF: 345394.7/8

4826.281 $\pm$ 0.908 χ^2 /NDF: 1185695.7/27

4729.044 $\pm$ 0.635 χ^2 /NDF: 2503419.4/56

4636.027 $\pm$ 0.888 χ^2 /NDF: 1295306.1/28

reg_asym_atr_dd_mean vs Slug, Sign Corrected



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

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

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

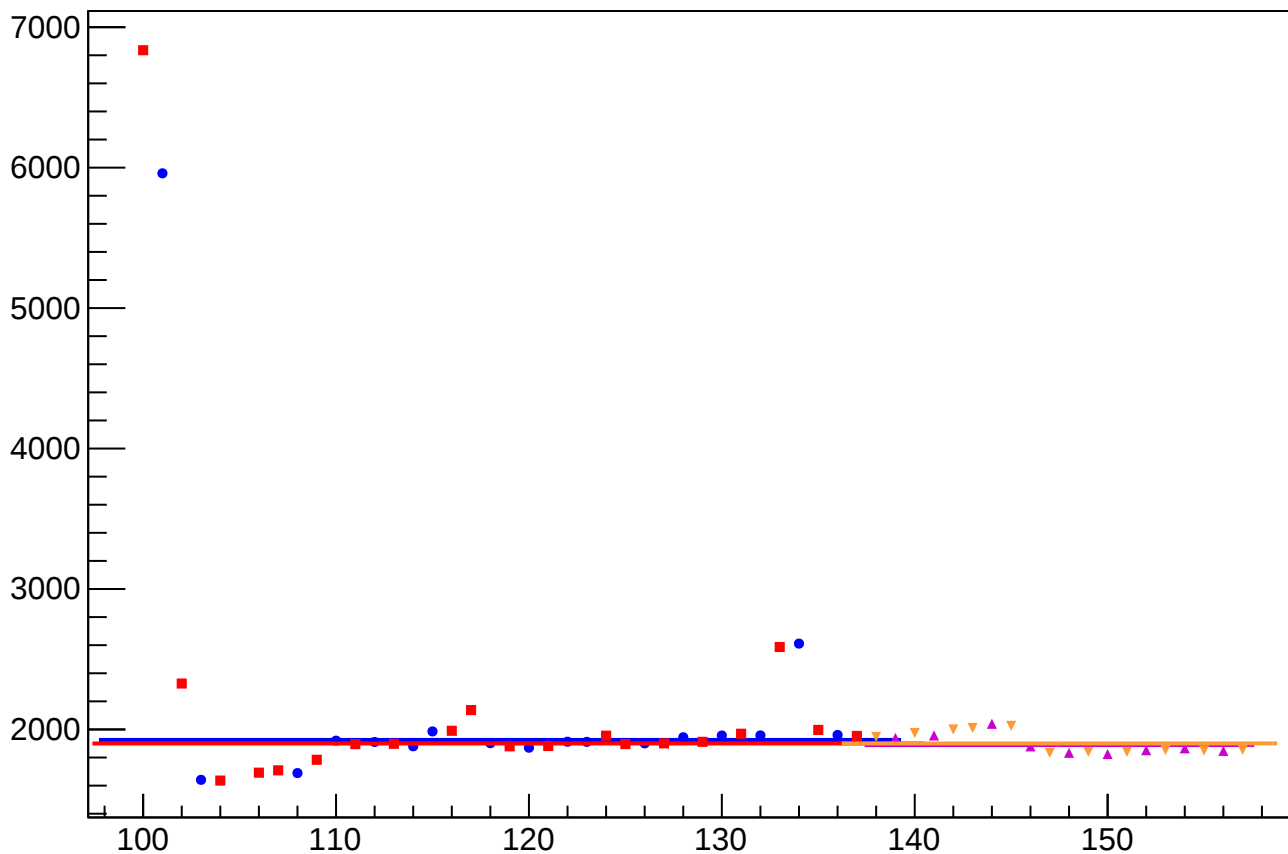
Left In: 208.883 ± 696.811 χ^2/NDF : 7.9/8

221.872 ± 502.670 χ^2/NDF : 28.1/27

302.770 ± 355.808 χ^2/NDF : 44.9/56

384.003 ± 503.707 χ^2/NDF : 16.7/28

reg_asym_atr_dd_rms vs Slug, Sign Corrected



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

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

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

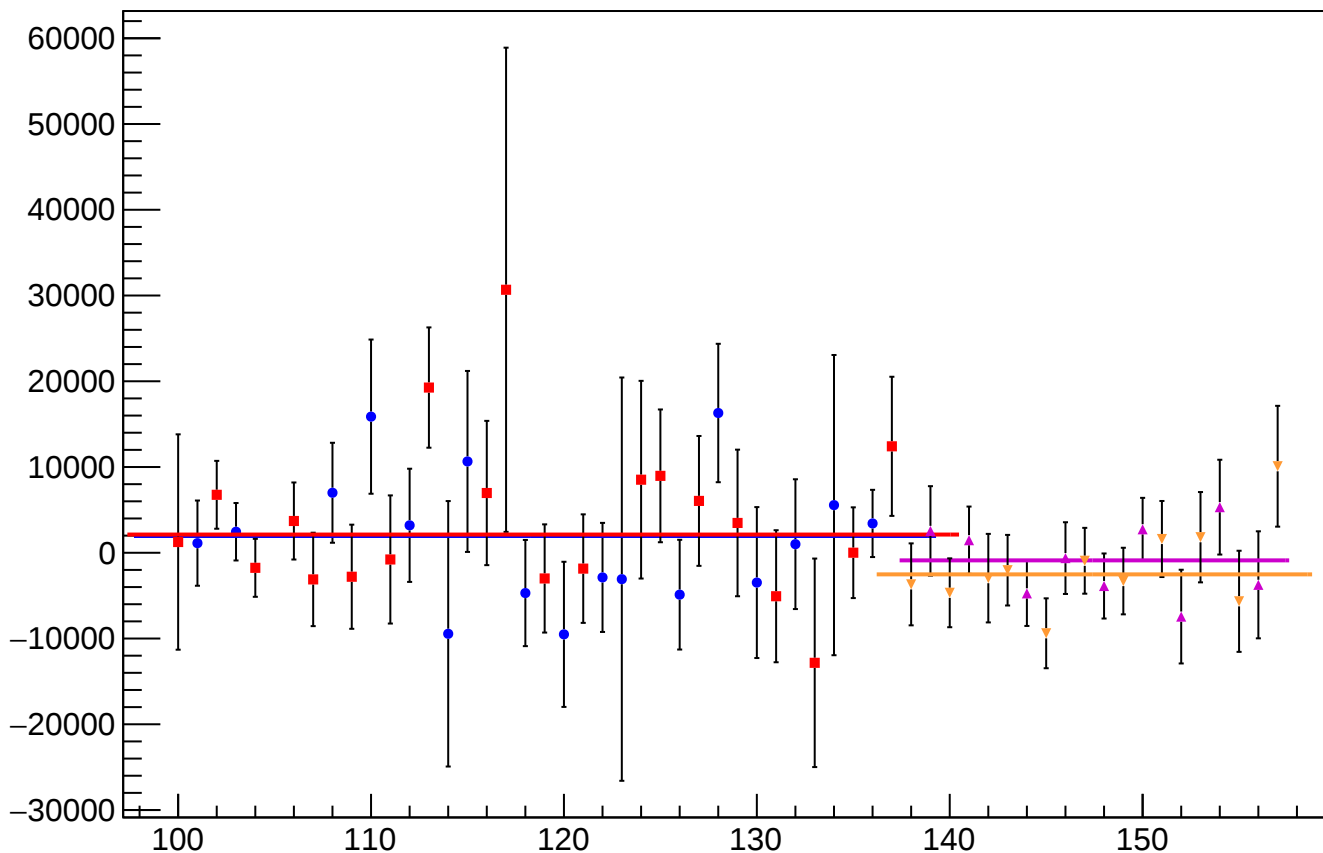
Left In: 1888.858+/-0.493 χ^2 /NDF:17782.4/8

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

1902.640+/-0.251 χ^2 /NDF: 871799.0/56

1894.169+/-0.356 χ^2 /NDF: 229890.3/28

asym_atr_dd_correction_mean vs Slug, Sign Corrected



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

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

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

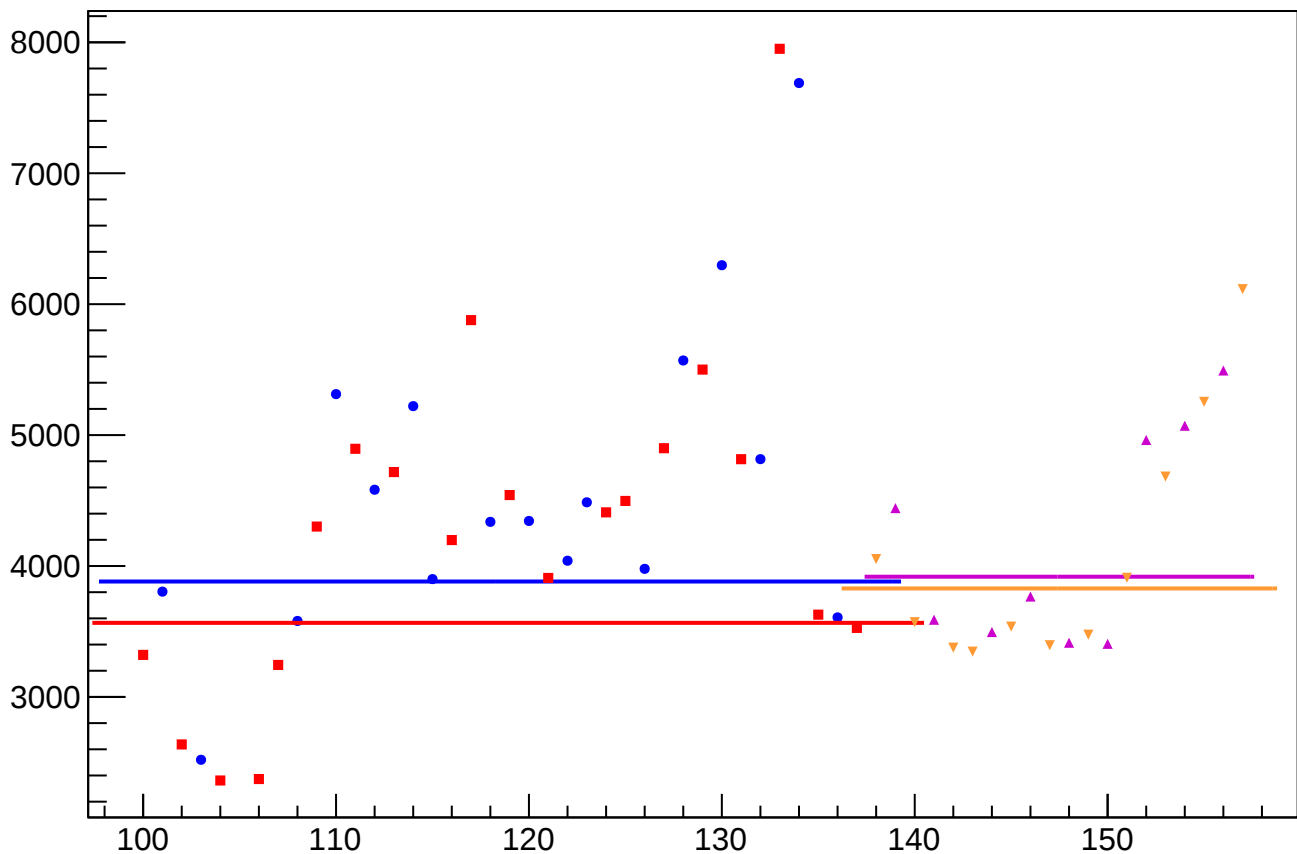
Left In: -886.104 $\pm$ 1468.148 χ^2 /NDF: 6.3/8

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

63.608 $\pm$ 723.435 χ^2 /NDF: 53.8/56

677.958 $\pm$ 1017.658 χ^2 /NDF: 27.0/28

asym_atr_dd_correction_rms vs Slug, Sign Corrected



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

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

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

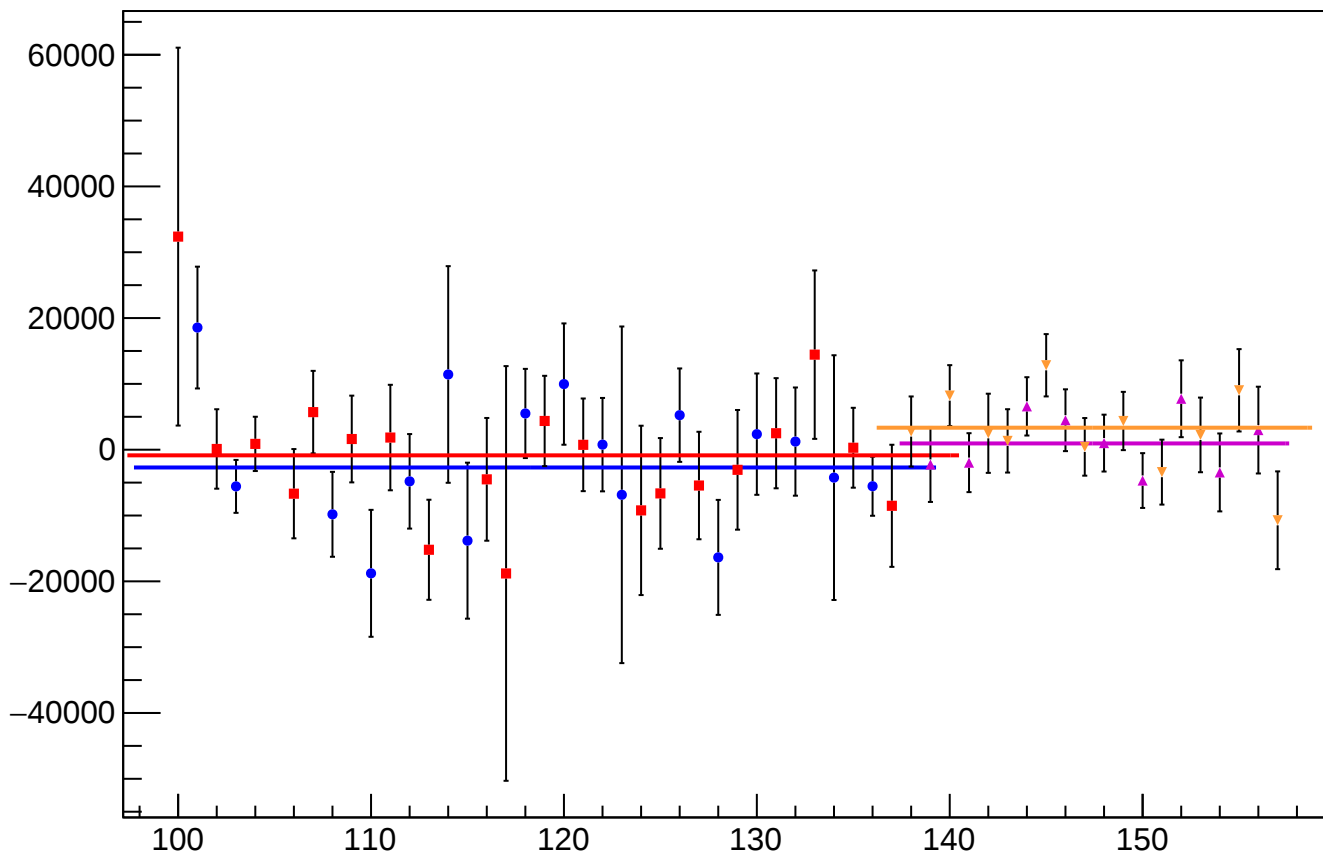
Left In: 3918.233+/-1.038 χ^2/NDF : 423549.4/8

3851.731+/-0.727 χ^2/NDF : 1307355.1/27

3792.821+/-0.512 χ^2/NDF : 3058718.1/56

3735.159+/-0.720 χ^2/NDF : 1738382.0/28

asym_atr_dd_mean vs Slug, Sign Corrected



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

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

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

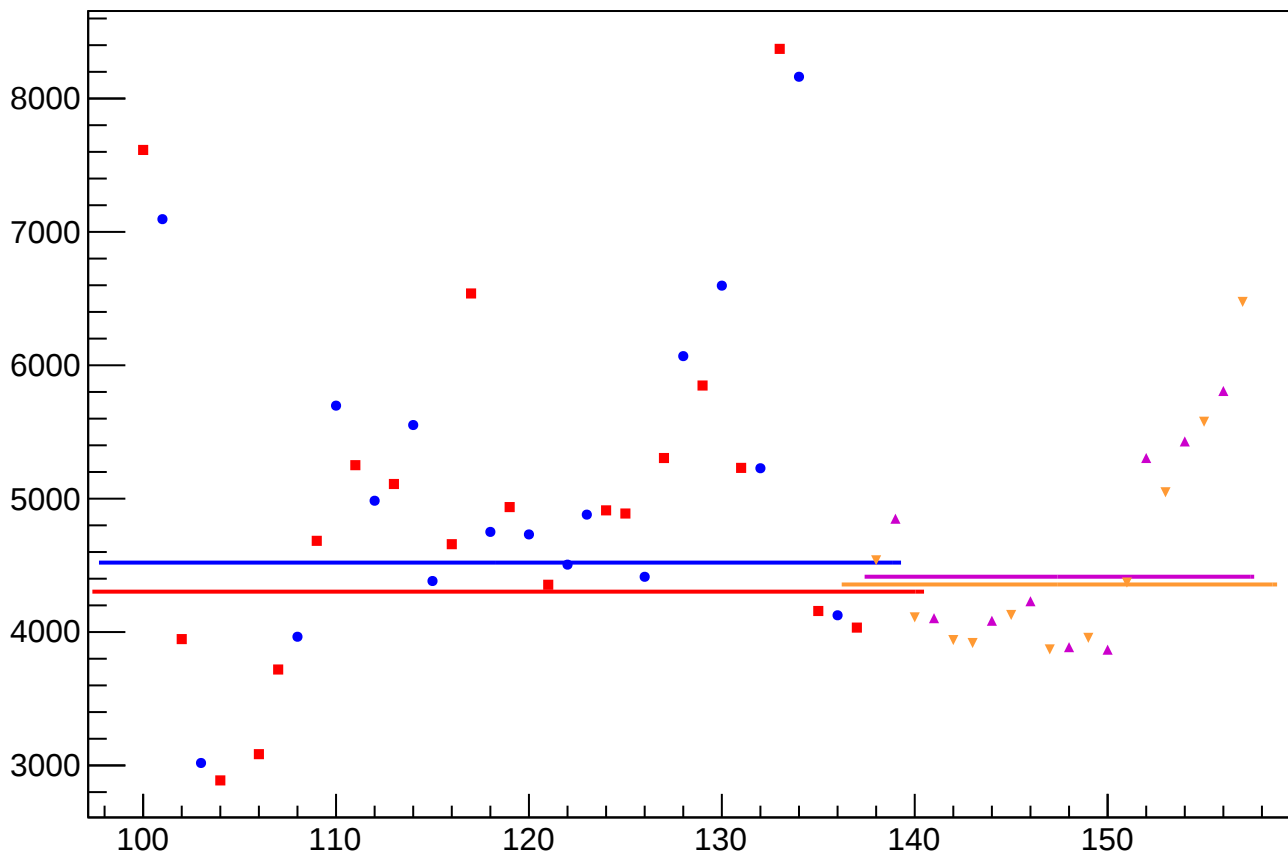
Left In: 952.197 $\pm$ 1645.688 χ^2/NDF : 6.8/8

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

428.298 $\pm$ 832.656 χ^2/NDF : 57.8/56

70.217 $\pm$ 1178.326 χ^2/NDF : 19.2/28

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4520.685 ± 1.279 $\chi^2/\text{NDF}: 770887.4/16$

Left Out: 4356.723 ± 1.096 $\chi^2/\text{NDF}: 348501.7/10$

Right Out: 4302.892 ± 1.187 $\chi^2/\text{NDF}: 781886.1/19$

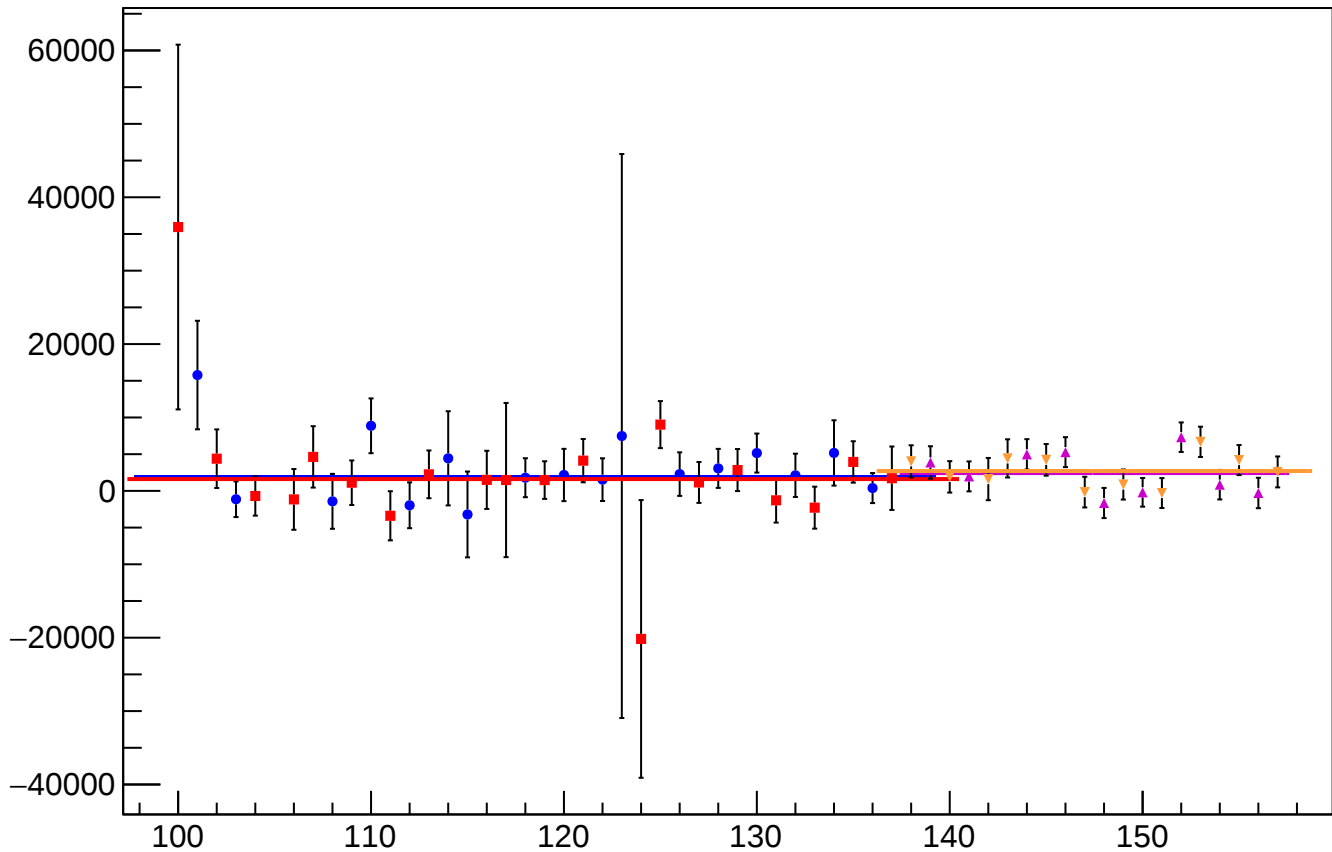
Left In: 4414.860 ± 1.164 $\chi^2/\text{NDF}: 294360.4/8$

4426.103 ± 0.832 $\chi^2/\text{NDF}: 1128866.3/27$

4392.997 ± 0.588 $\chi^2/\text{NDF}: 2212811.4/56$

4359.984 ± 0.831 $\chi^2/\text{NDF}: 1080783.9/28$

reg_asym_at1_avg_mean vs Slug, Sign Corrected



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

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

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

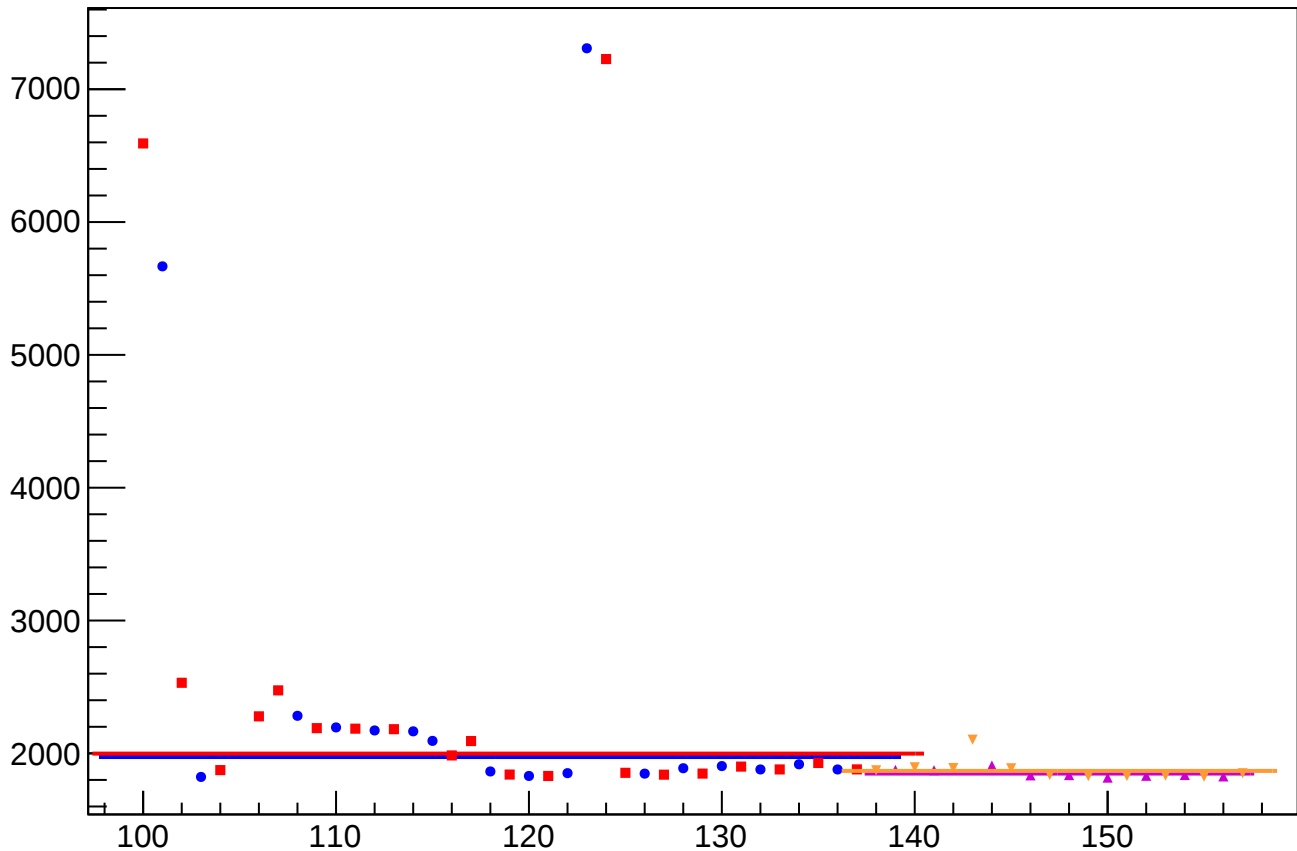
Left In: 2426.203 $\pm$ 682.804 χ^2 /NDF:17.9/8

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

2217.362 $\pm$ 357.956 χ^2 /NDF: 62.2/56

2063.490 $\pm$ 509.055 χ^2 /NDF: 36.1/28

reg_asym_at1_avg_rms vs Slug, Sign Corrected



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

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

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

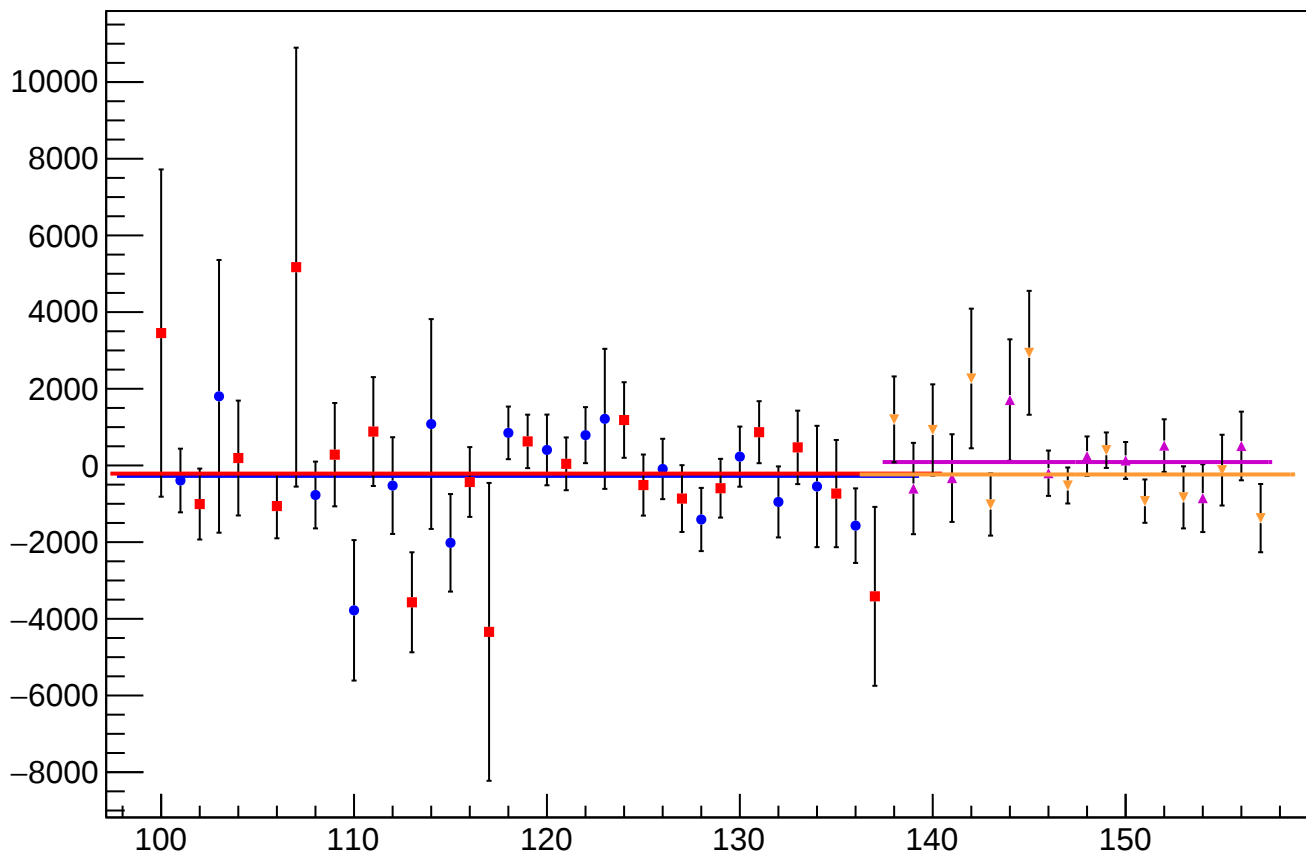
Left In: 1847.947+/-0.483 χ^2/NDF : 3386.4/8

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

1912.822+/-0.253 χ^2/NDF : 1044478.5/56

1914.663+/-0.360 χ^2/NDF : 402109.9/28

asym_at1_avg_correction_mean vs Slug, Sign Corrected



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

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

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

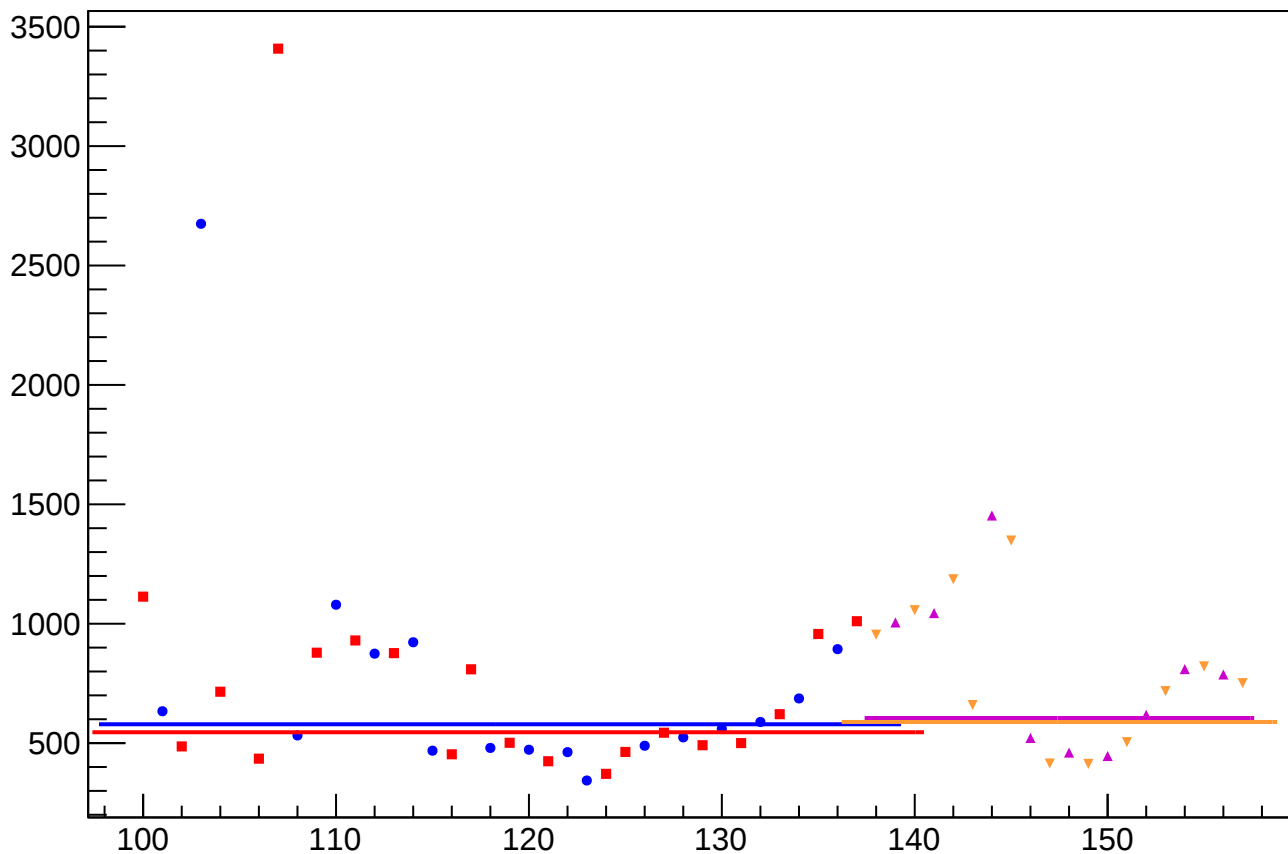
Left In: 88.743+/-239.179 χ^2/NDF : 3.6/8

-251.883+/-163.661 χ^2/NDF : 32.5/27

-161.241+/-116.291 χ^2/NDF : 58.4/56

-68.806+/-165.272 χ^2/NDF : 25.3/28

asym_at1_avg_correction_rms vs Slug, Sign Corrected



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

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

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

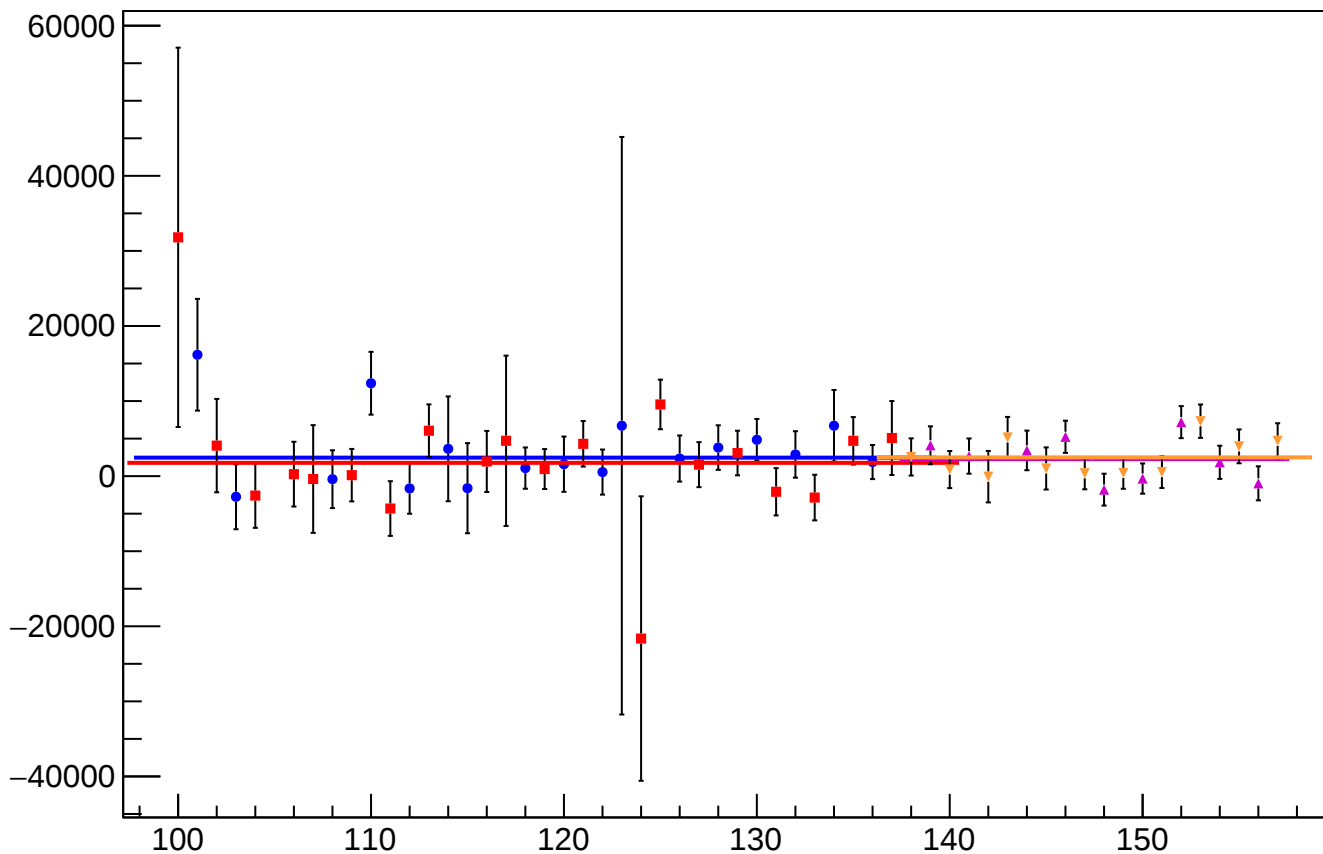
Left In: 605.197+/-0.169 χ^2/NDF : 1702607.7/8

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

579.159+/-0.082 χ^2/NDF : 6709901.0/56

574.051+/-0.117 χ^2/NDF : 3234552.4/28

asym_at1_avg_mean vs Slug, Sign Corrected



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

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

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

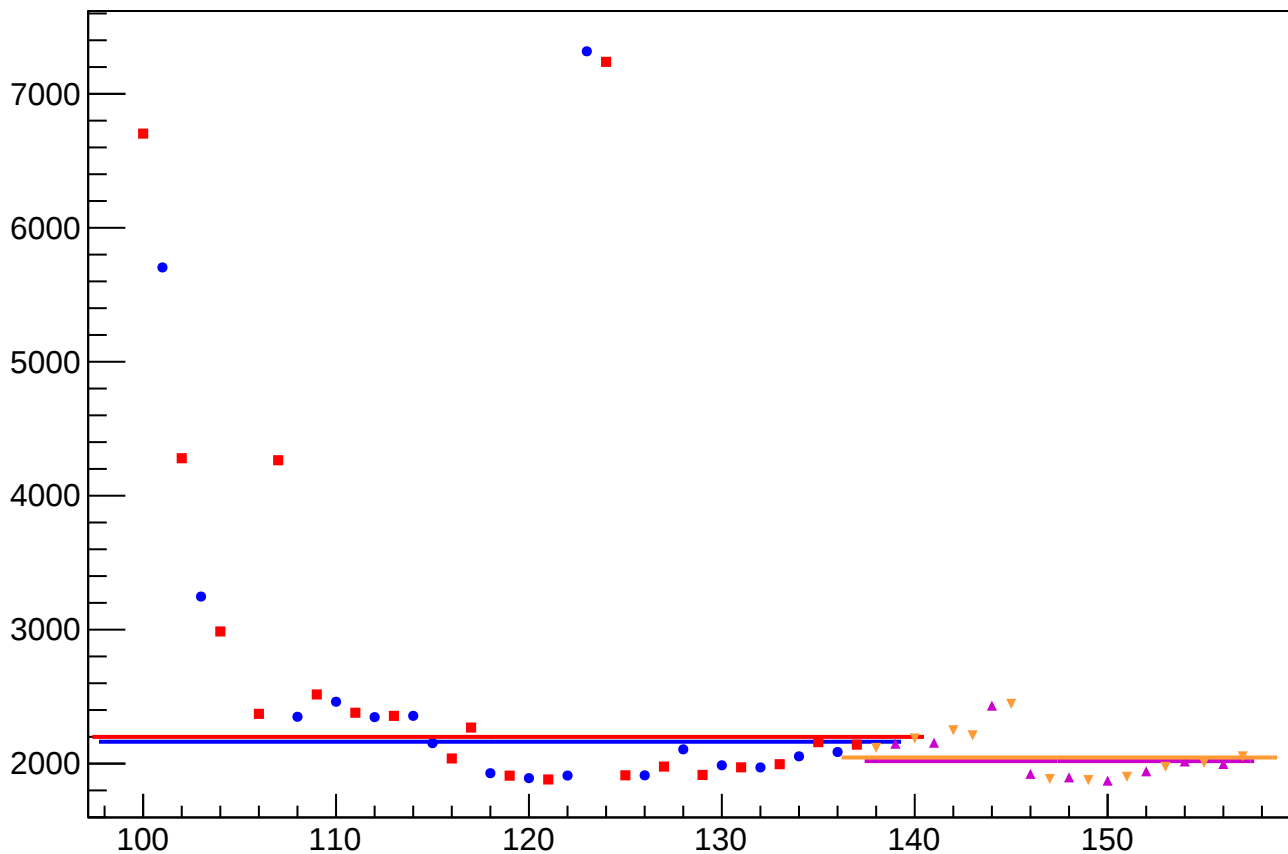
Left In: 2266.968+/-747.968 χ^2/NDF : 15.4/8

2483.191+/-553.561 χ^2/NDF : 26.6/27

2270.684+/-394.299 χ^2/NDF : 63.0/56

2051.823+/-561.776 χ^2/NDF : 36.1/28

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2163.303 $\pm$ 0.610 χ^2 /NDF: 709584.4/16

Left Out: 2045.555 $\pm$ 0.510 χ^2 /NDF: 99401.0/10

Right Out: 2199.398 $\pm$ 0.602 χ^2 /NDF: 803373.4/19

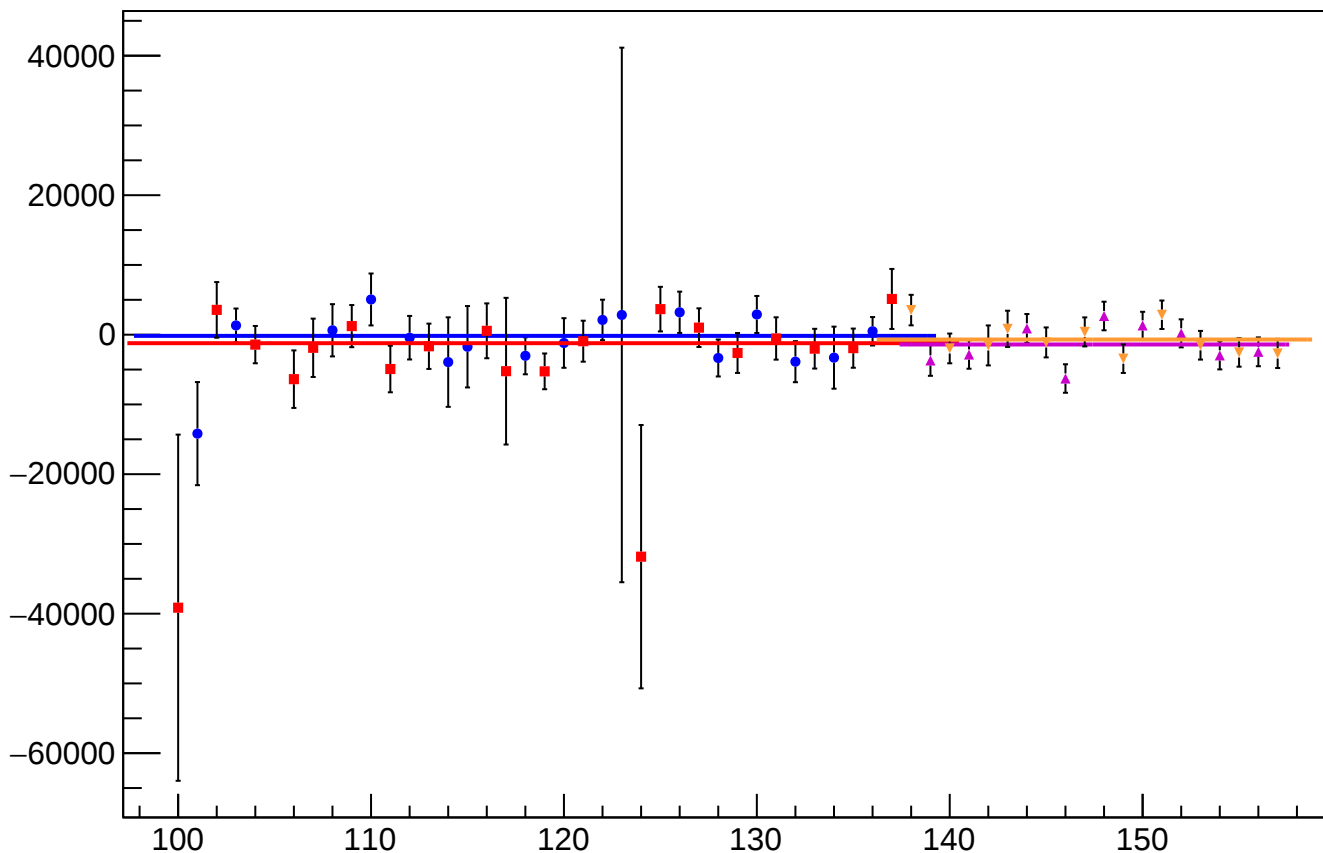
Left In: 2018.561 $\pm$ 0.529 χ^2 /NDF: 84973.2/8

2093.980 $\pm$ 0.391 χ^2 /NDF: 830895.3/27

2095.658 $\pm$ 0.279 χ^2 /NDF: 1770238.1/56

2097.387 $\pm$ 0.397 χ^2 /NDF: 939305.5/28

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -170.351 $\pm$ 782.384 χ^2/NDF : 14.5/16

Left Out: -693.842 $\pm$ 655.296 χ^2/NDF : 11.5/10

Right Out: -1218.753 $\pm$ 762.243 χ^2/NDF : 18.3/19

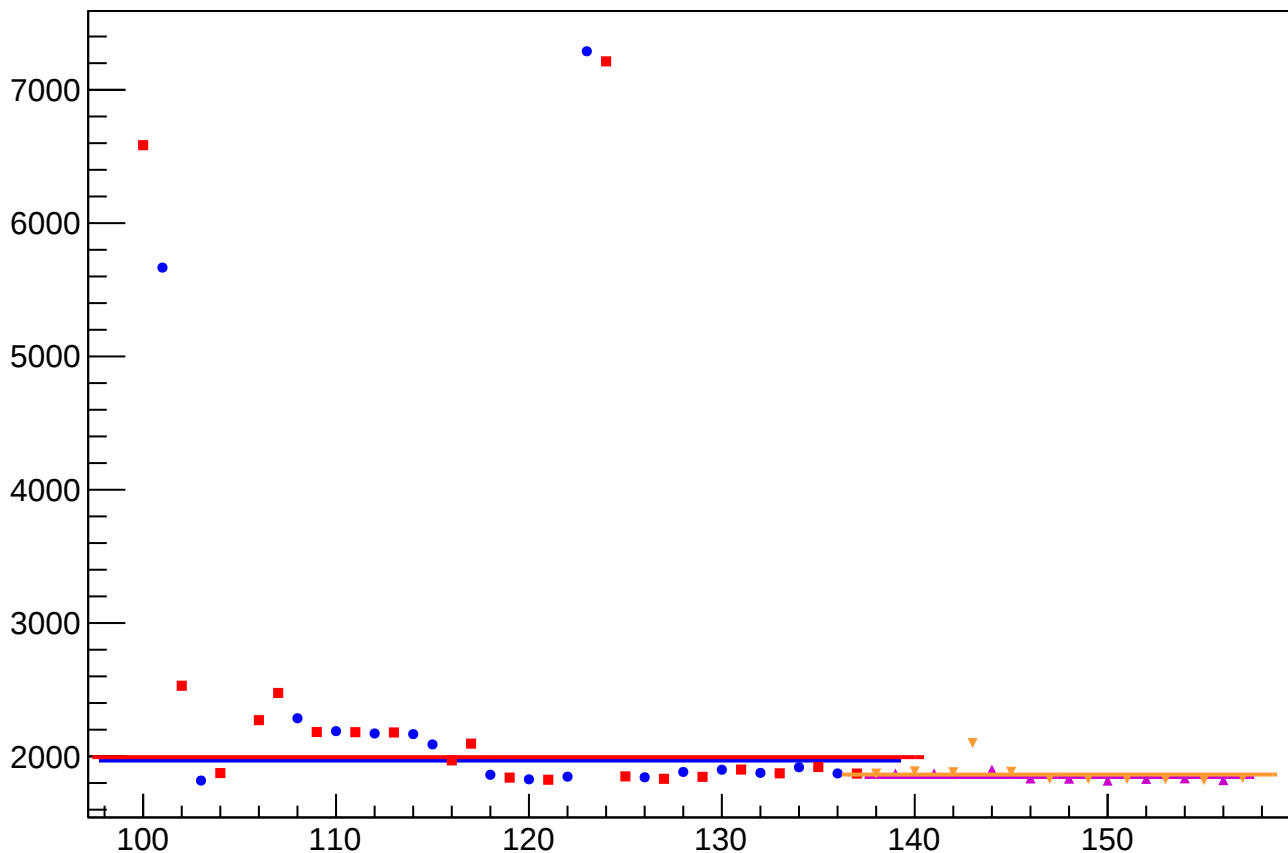
Left In: -1403.018 $\pm$ 681.851 χ^2/NDF : 16.0/8

-478.014 $\pm$ 502.366 χ^2/NDF : 26.3/27

-894.699 $\pm$ 357.269 χ^2/NDF : 62.0/56

-1321.111 $\pm$ 508.195 χ^2/NDF : 34.3/28

reg_asym_at1_dd_rms vs Slug, Sign Corrected



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

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

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

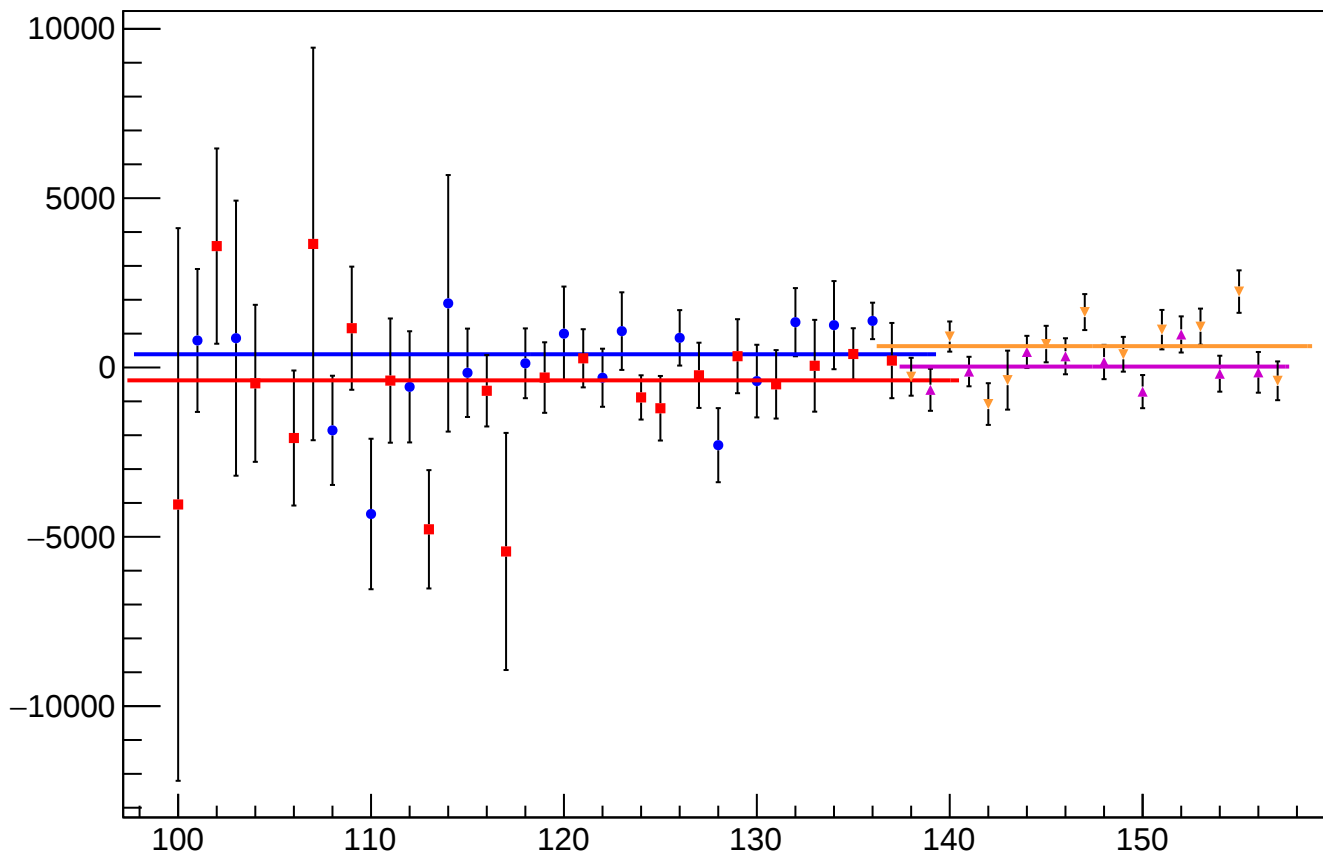
Left In: 1845.395+/-0.482 χ^2/NDF : 2994.8/8

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

1909.114+/-0.253 χ^2/NDF : 1046281.0/56

1911.431+/-0.359 χ^2/NDF : 401557.8/28

asym_at1_dd_correction_mean vs Slug, Sign Corrected



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

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

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

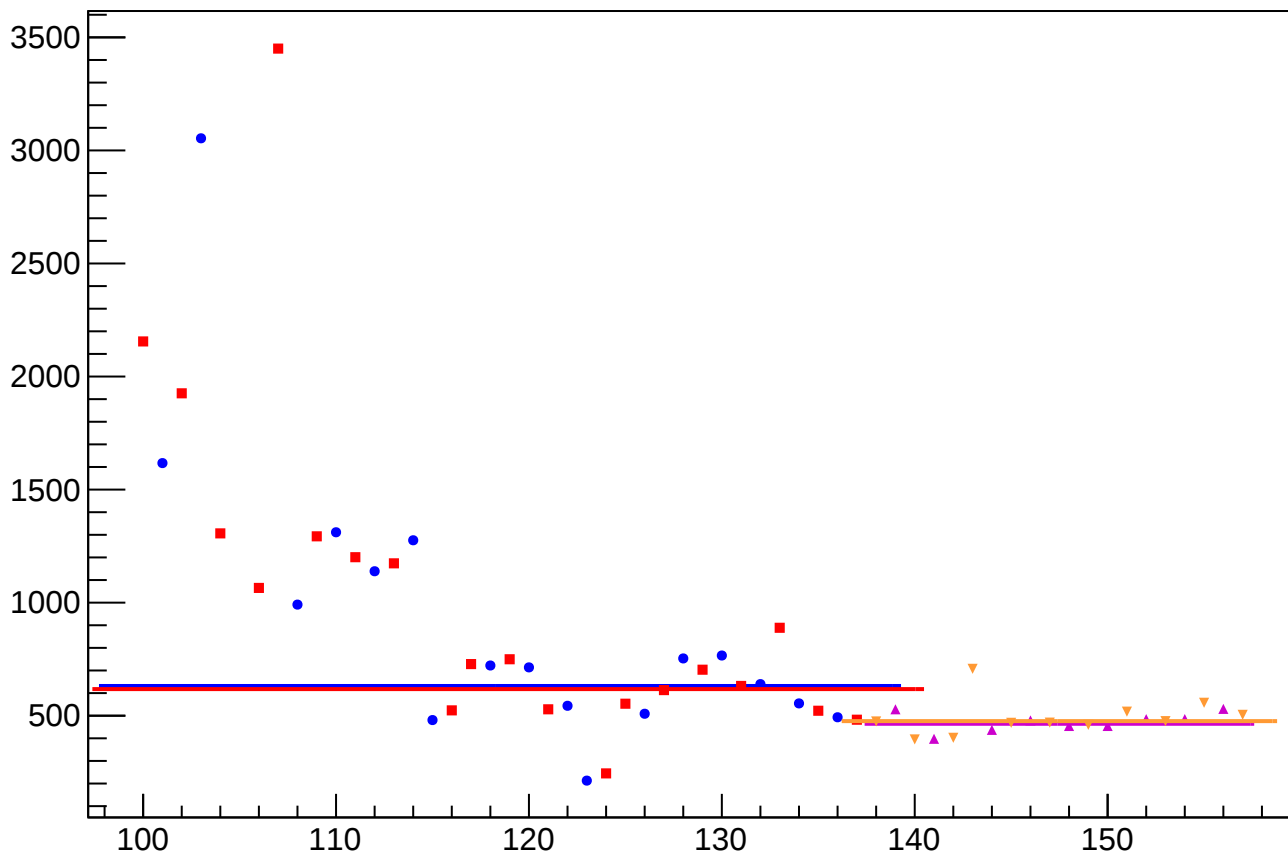
Left In: 26.913+/-172.225 χ^2/NDF : 8.2/8

563.073+/-143.254 χ^2/NDF : 48.1/27

237.461+/-101.720 χ^2/NDF : 84.8/56

-93.658+/-144.460 χ^2/NDF : 26.2/28

asym_at1_dd_correction_rms vs Slug, Sign Corrected



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

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

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

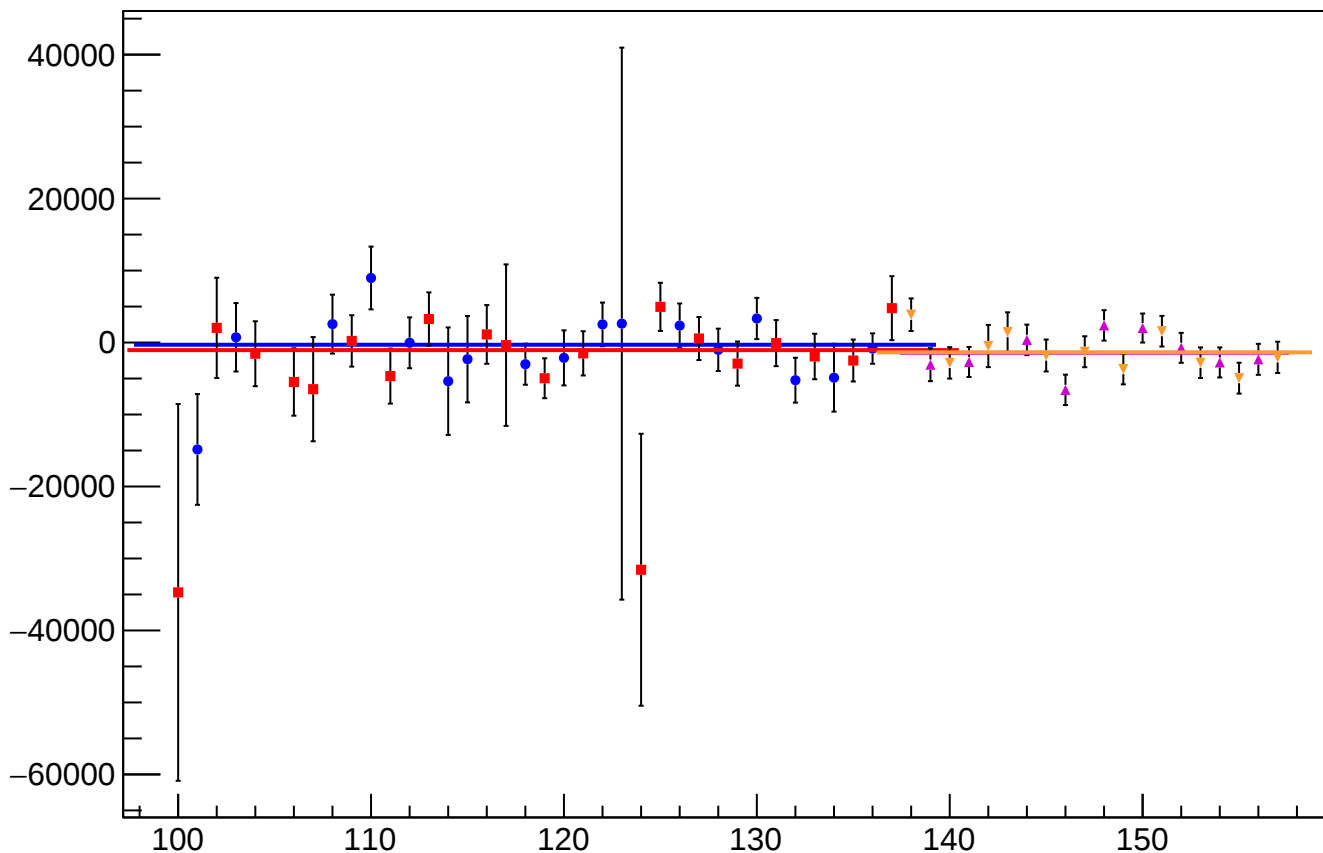
Left In: 464.313 $\pm$ 0.122 χ^2 /NDF: 107333.9/8

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

514.802 $\pm$ 0.072 χ^2 /NDF: 6409842.1/56

509.774 $\pm$ 0.102 χ^2 /NDF: 3381594.0/28

asym_at1_dd_mean vs Slug, Sign Corrected



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

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

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

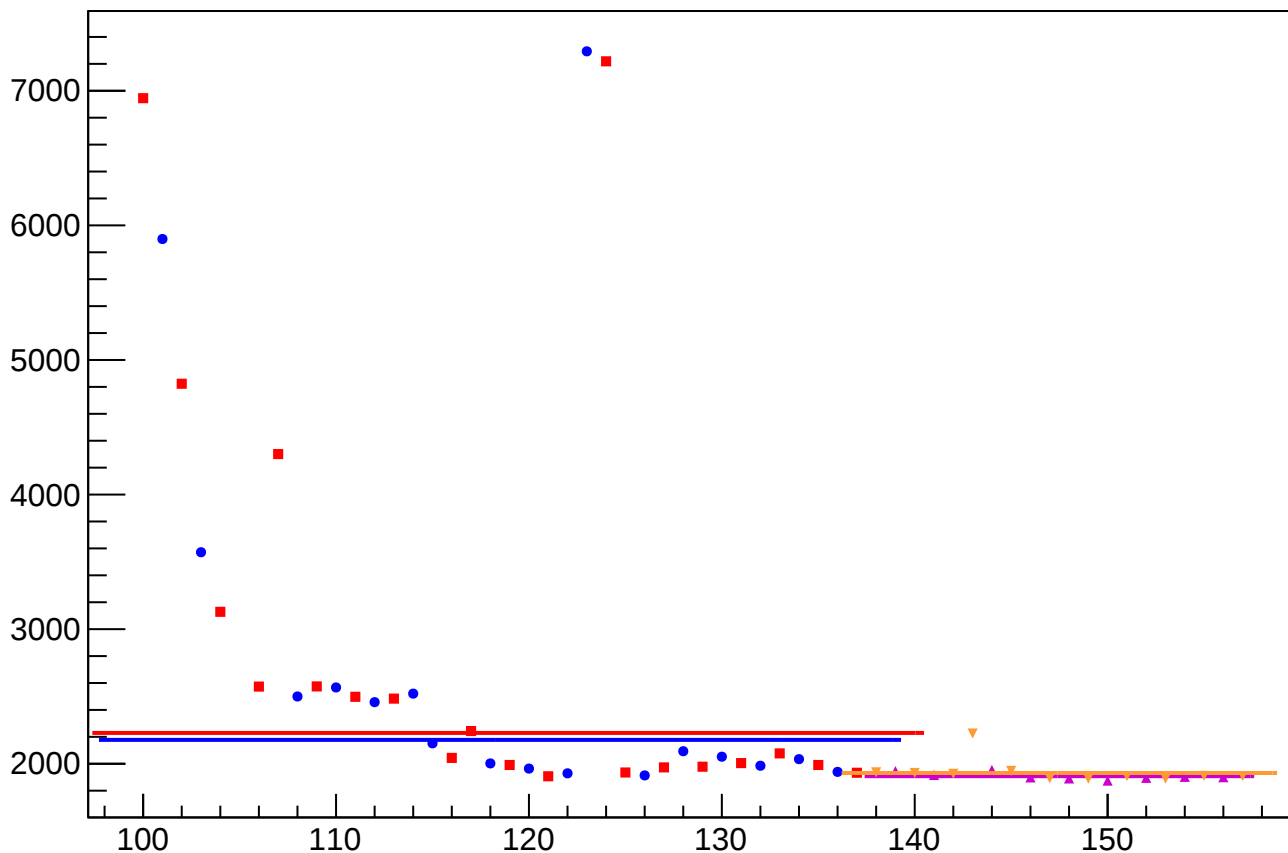
Left In: -1426.410 ± 704.780 χ^2/NDF : 14.4/8

-963.387 ± 535.821 χ^2/NDF : 31.5/27

-1117.283 ± 382.550 χ^2/NDF : 62.8/56

-1277.284 ± 546.346 χ^2/NDF : 31.2/28

asym_at1_dd_rms vs Slug, Sign Corrected



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

Left Out: 1931.460 $\pm$ 0.480 χ^2 /NDF:25808.3/10

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

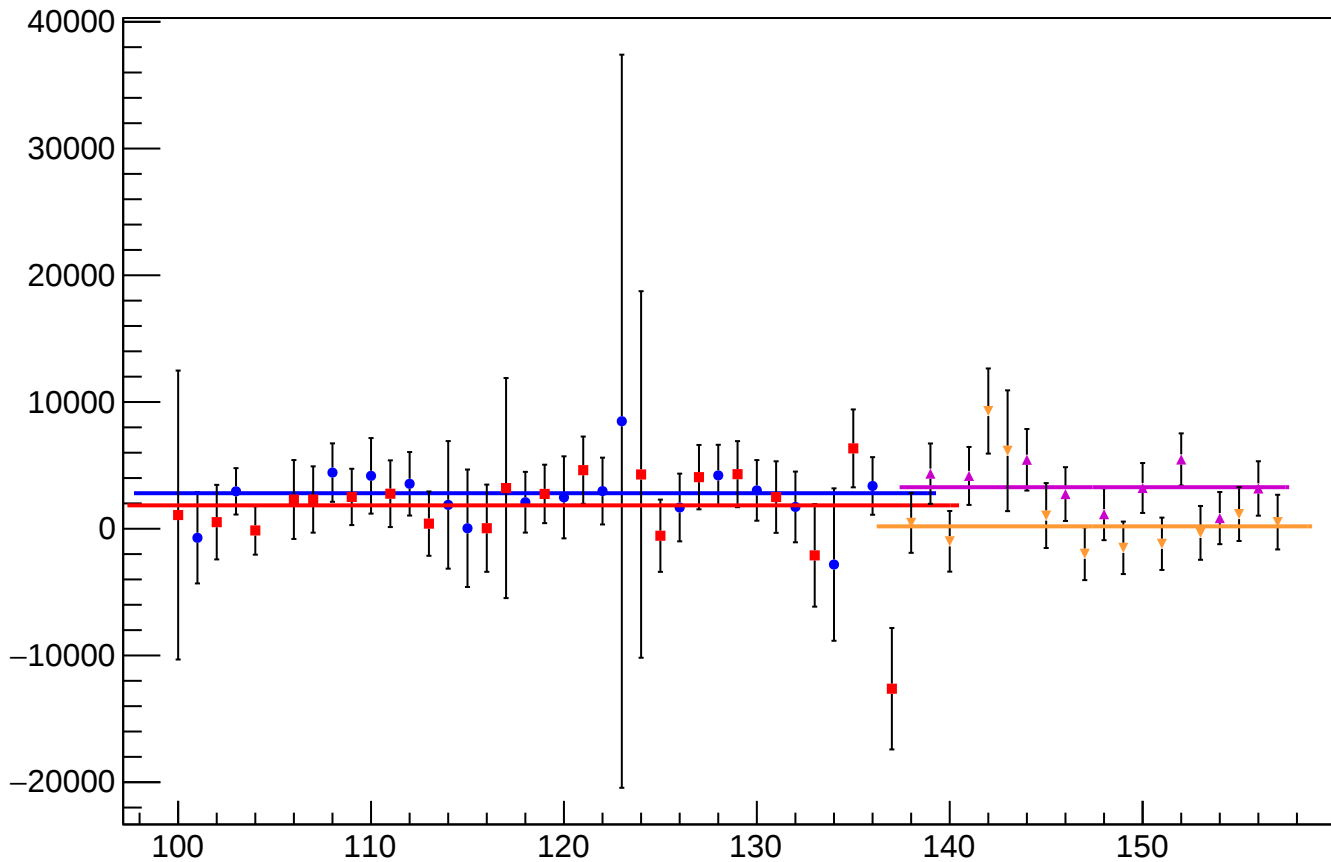
Left In: 1907.688+/-0.498 χ^2/NDF :2367.8/8

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

2030.040+/-0.271 χ^2 /NDF: 1992342.2/56

2035.950+/-0.386 χ^2/NDF : 1064169.8/28

reg_asym_at2_avg_mean vs Slug, Sign Corrected



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

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

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

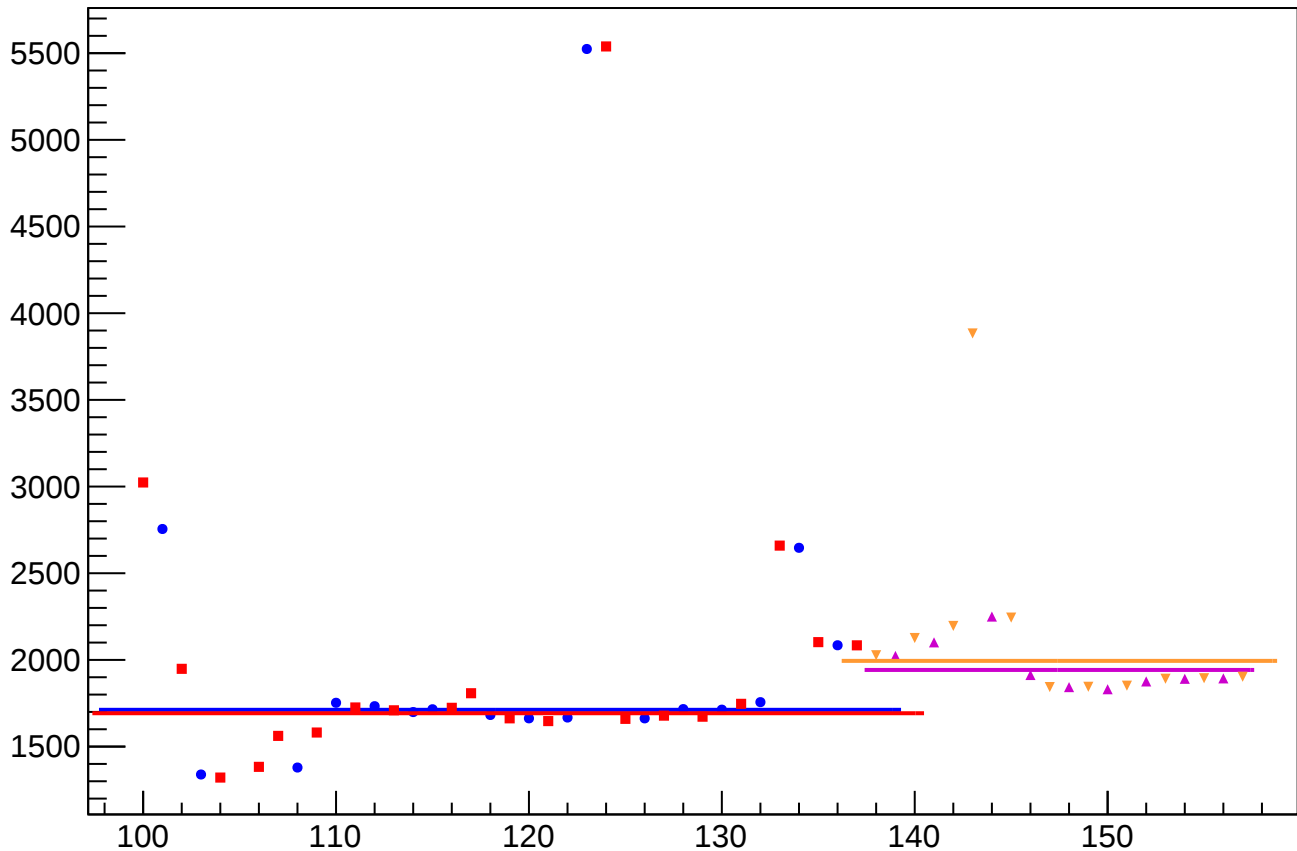
Left In: 3278.581+/-717.246 χ^2/NDF : 4.8/8

1551.640+/-489.886 χ^2/NDF : 22.8/27

2030.048+/-343.956 χ^2/NDF : 49.7/56

2495.180+/-483.041 χ^2/NDF : 25.1/28

reg_asym_at2_avg_rms vs Slug, Sign Corrected



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

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

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

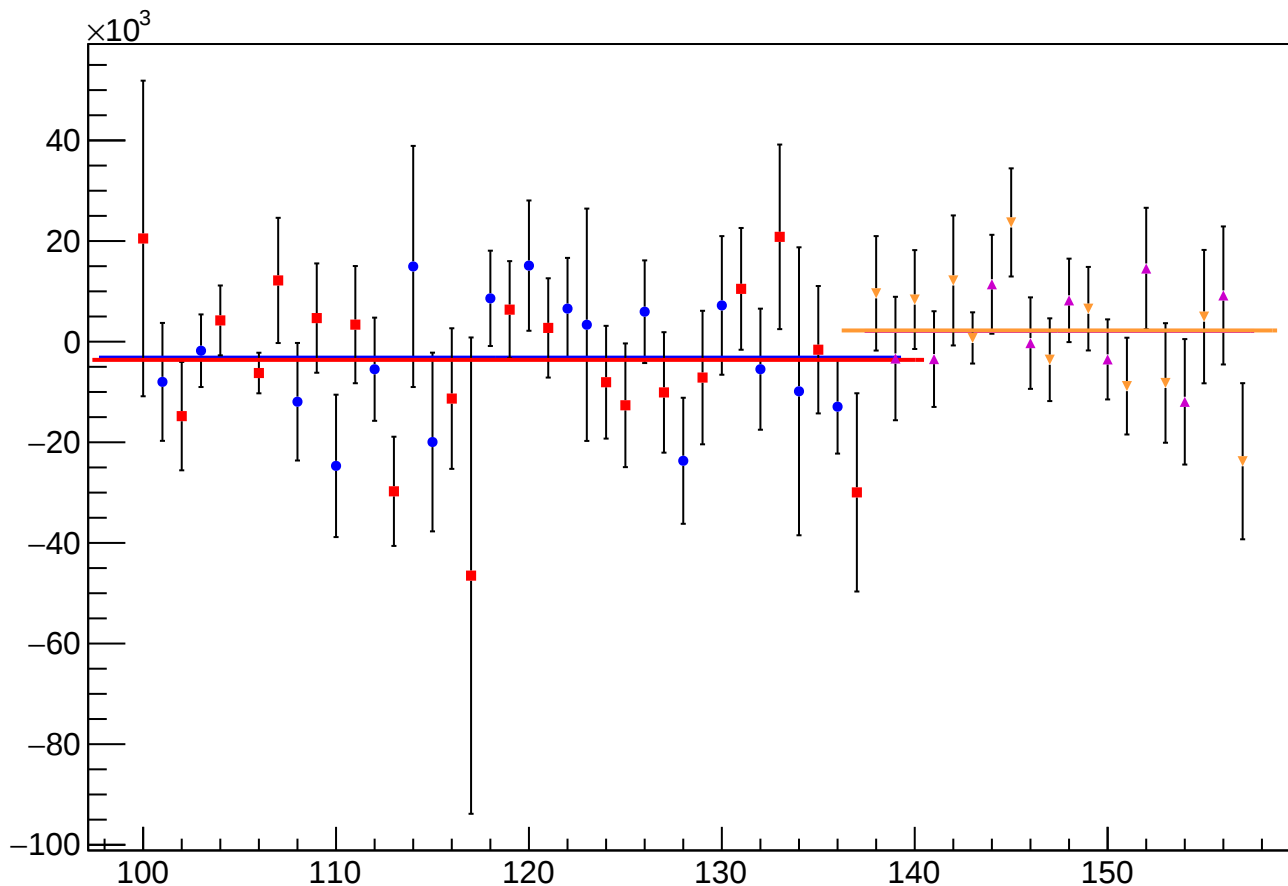
Left In: 1942.124+/-0.507 χ^2/NDF : 59891.1/8

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

1826.199+/-0.243 χ^2/NDF : 1643387.0/56

1805.665+/-0.342 χ^2/NDF : 647648.0/28

asym_at2_avg_correction_mean vs Slug, Sign Corrected



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

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

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

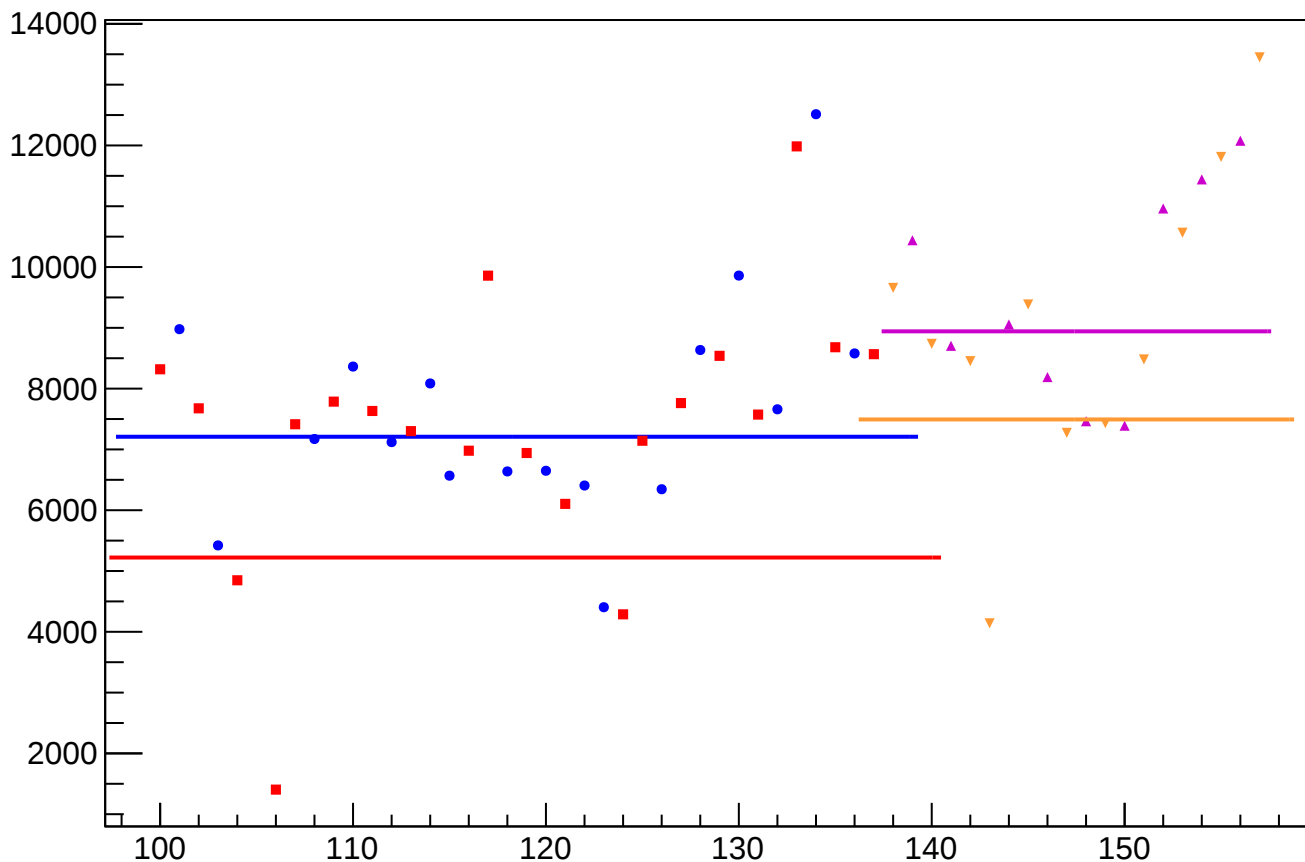
Left In: 2125.952 ± 3350.482 χ^2/NDF : 5.1/8

-415.672 ± 1994.835 χ^2/NDF : 27.4/27

-1159.793 ± 1366.555 χ^2/NDF : 55.2/56

-1817.791 ± 1875.849 χ^2/NDF : 27.5/28

asym_at2_avg_correction_rms vs Slug, Sign Corrected



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

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

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

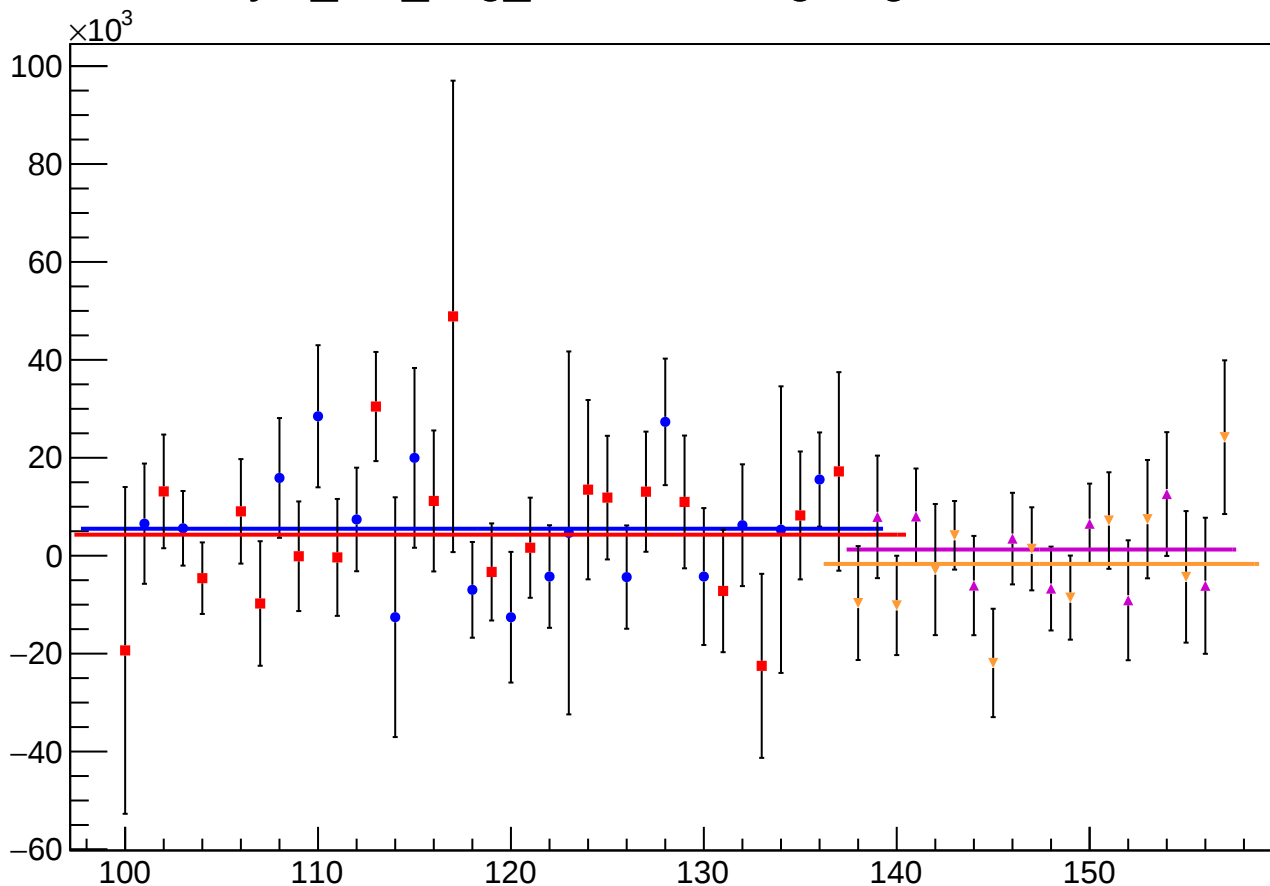
Left In: 8942.248 $\pm$ 2.369 χ^2 /NDF: 425556.0/8

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

6841.251 $\pm$ 0.966 χ^2 /NDF: 7771264.7/56

6388.019 $\pm$ 1.326 χ^2 /NDF: 5334701.4/28

asym_at2_avg_mean vs Slug, Sign Corrected



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

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

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

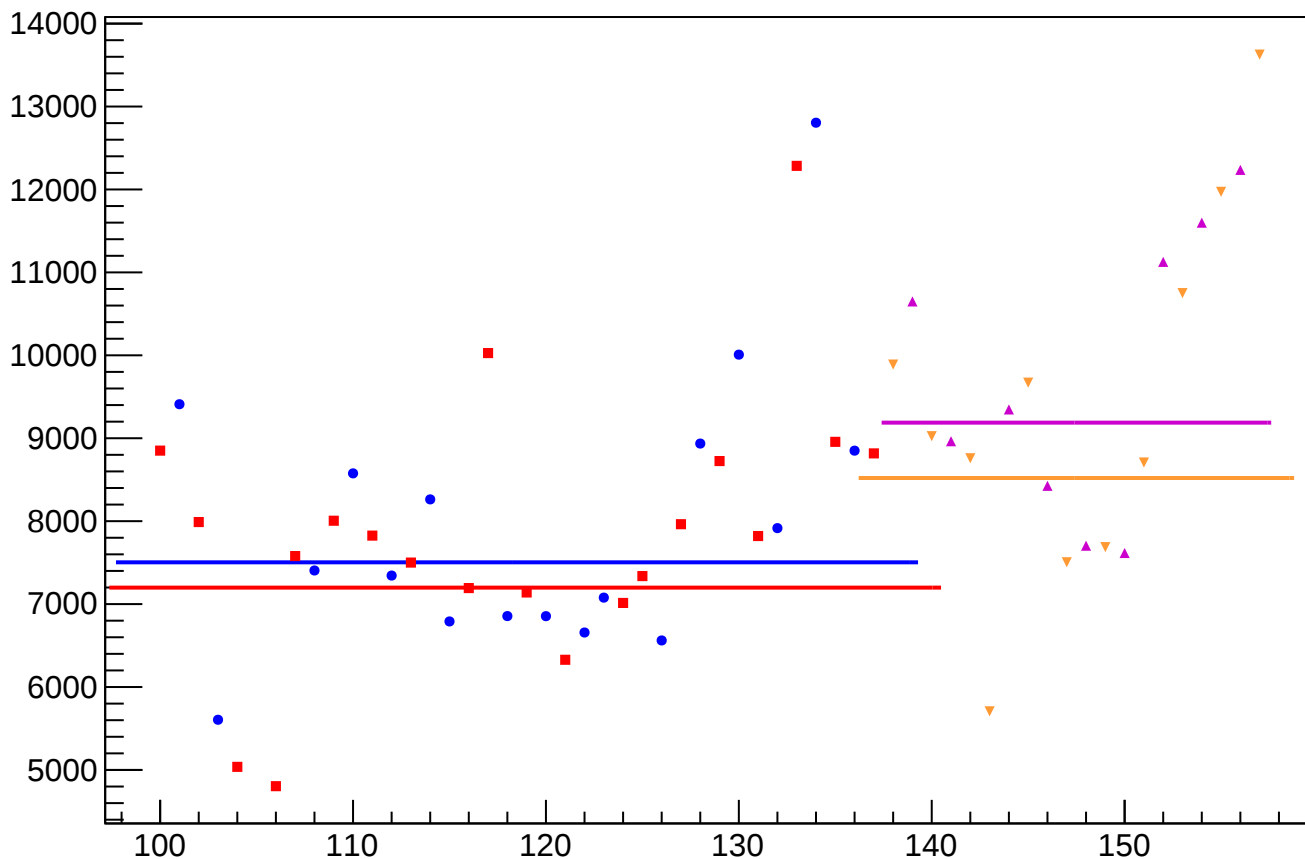
Left In: 1262.818 $\pm$ 3438.175 χ^2 /NDF:4.4/8

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

2563.018 $\pm$ 1521.181 χ^2 /NDF: 48.3/56

3093.911 $\pm$ 2164.351 χ^2 /NDF: 21.2/28

asym_at2_avg_rms vs Slug, Sign Corrected



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

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

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

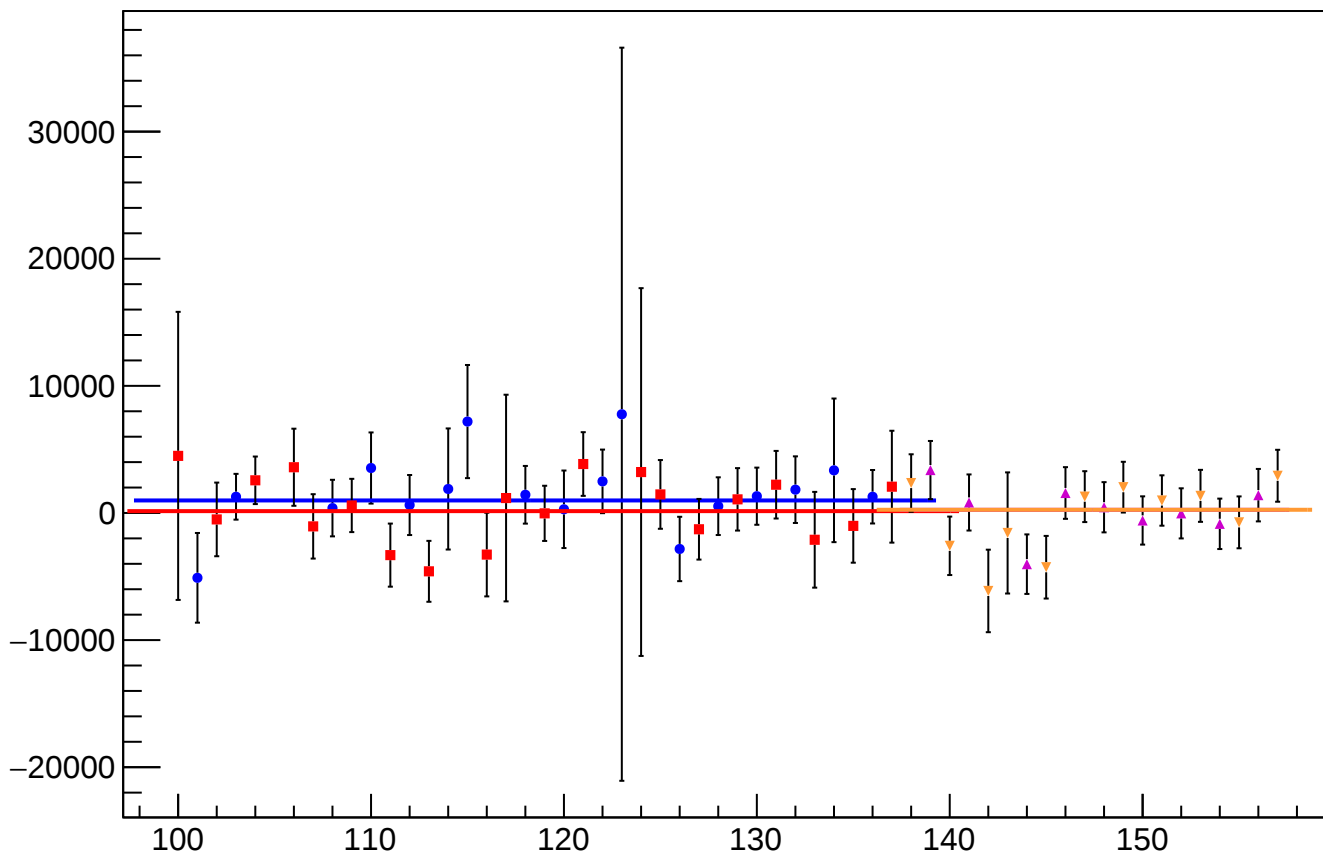
Left In: 9188.091 $\pm$ 2.431 χ^2 /NDF: 394794.3/8

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

7990.375 $\pm$ 1.076 χ^2 /NDF: 2741128.3/56

7986.947 $\pm$ 1.530 χ^2 /NDF: 1363704.2/28

reg_asym_at2_dd_mean vs Slug, Sign Corrected



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

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

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

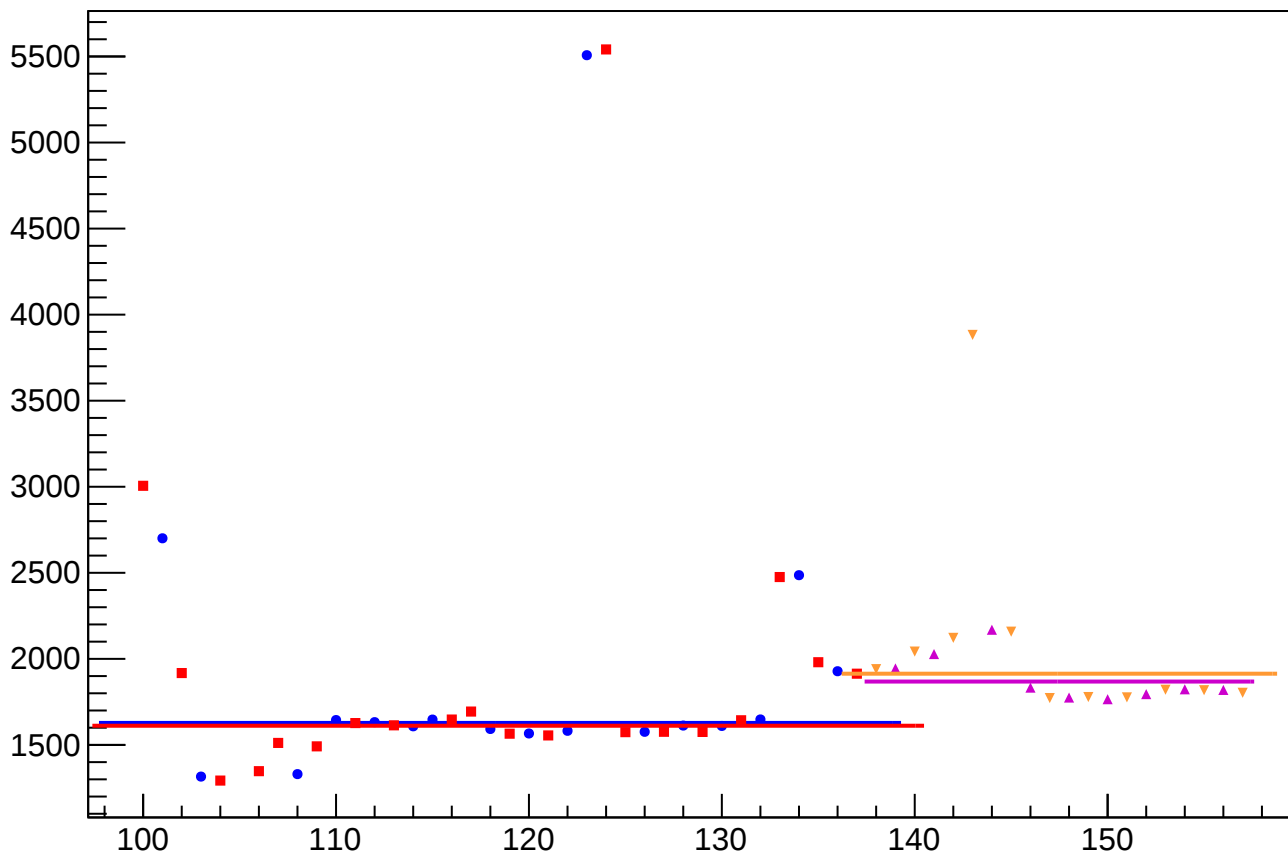
Left In: 245.244 $\pm$ 689.954 χ^2 /NDF: 6.5/8

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

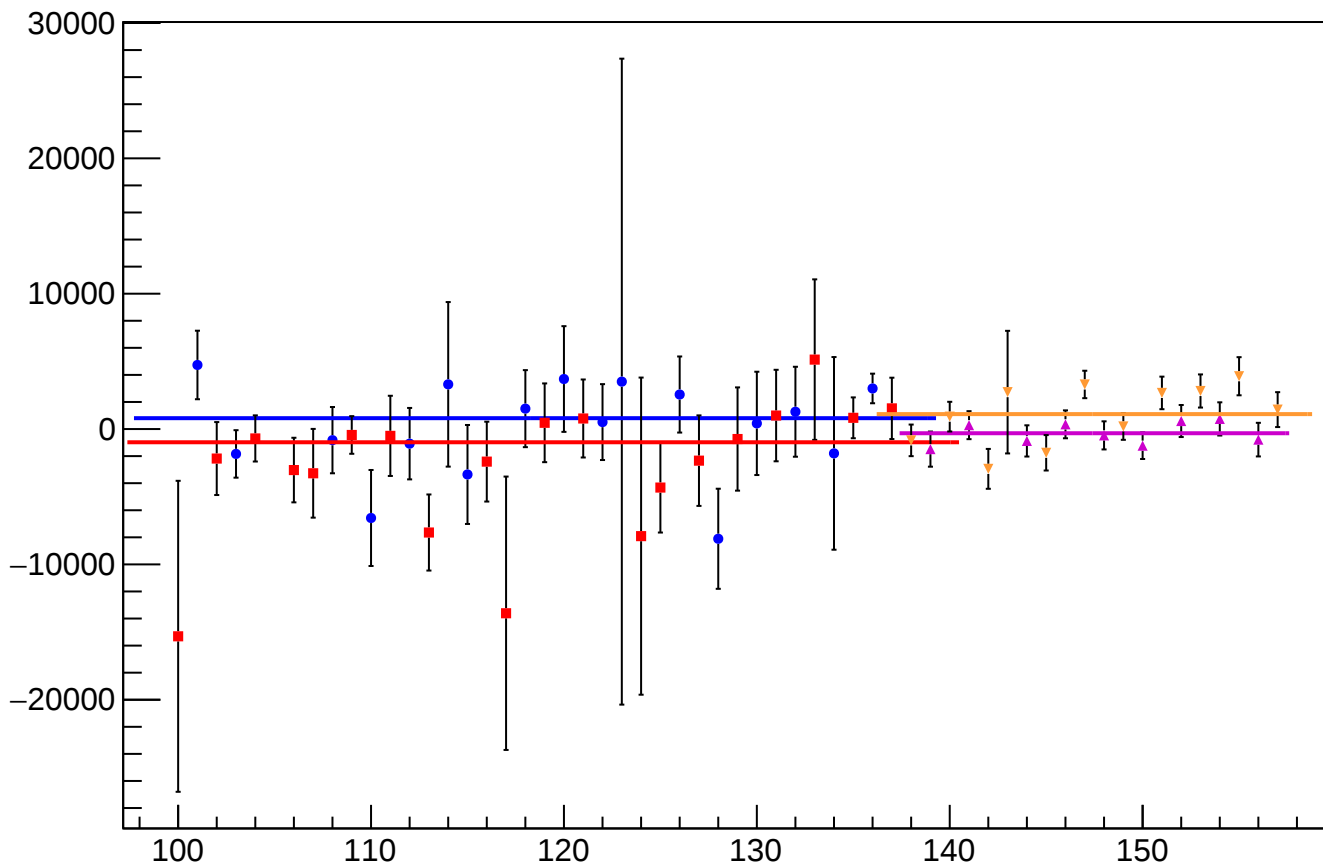
410.950 $\pm$ 328.677 χ^2 /NDF: 44.6/56

189.747 $\pm$ 461.871 χ^2 /NDF: 21.2/28

reg_asym_at2_dd_rms vs Slug, Sign Corrected



asym_at2_dd_correction_mean vs Slug, Sign Corrected



Right In: 803.048 ± 631.676 χ^2/NDF : 22.4/16

Left Out: 1103.461 ± 374.733 χ^2/NDF : 28.4/10

Right Out: -976.725 ± 588.724 χ^2/NDF : 16.8/19

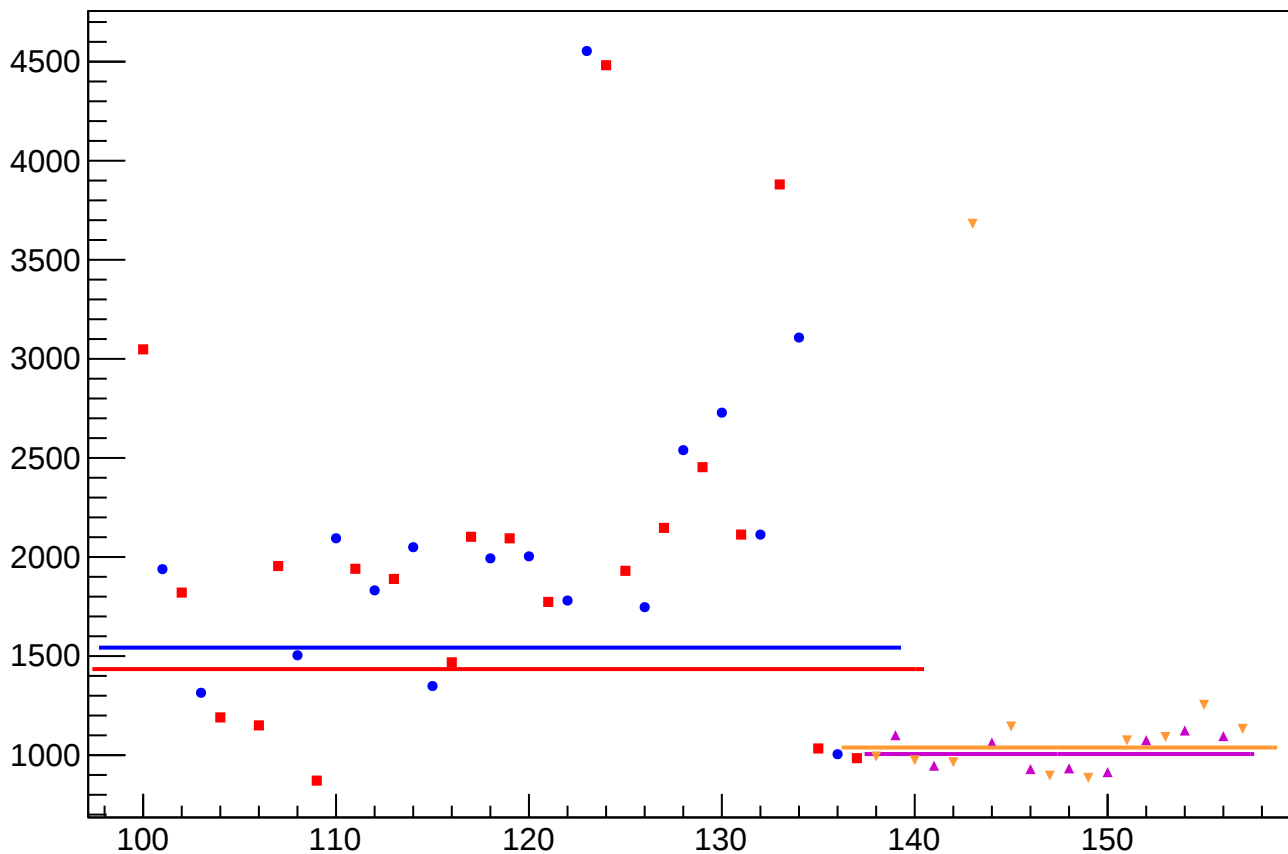
Left In: -309.466 ± 372.447 χ^2/NDF : 4.2/8

1025.258 ± 322.289 χ^2/NDF : 51.0/27

244.485 ± 225.180 χ^2/NDF : 84.4/56

-500.189 ± 314.750 χ^2/NDF : 21.9/28

asym_at2_dd_correction_rms vs Slug, Sign Corrected



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

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

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

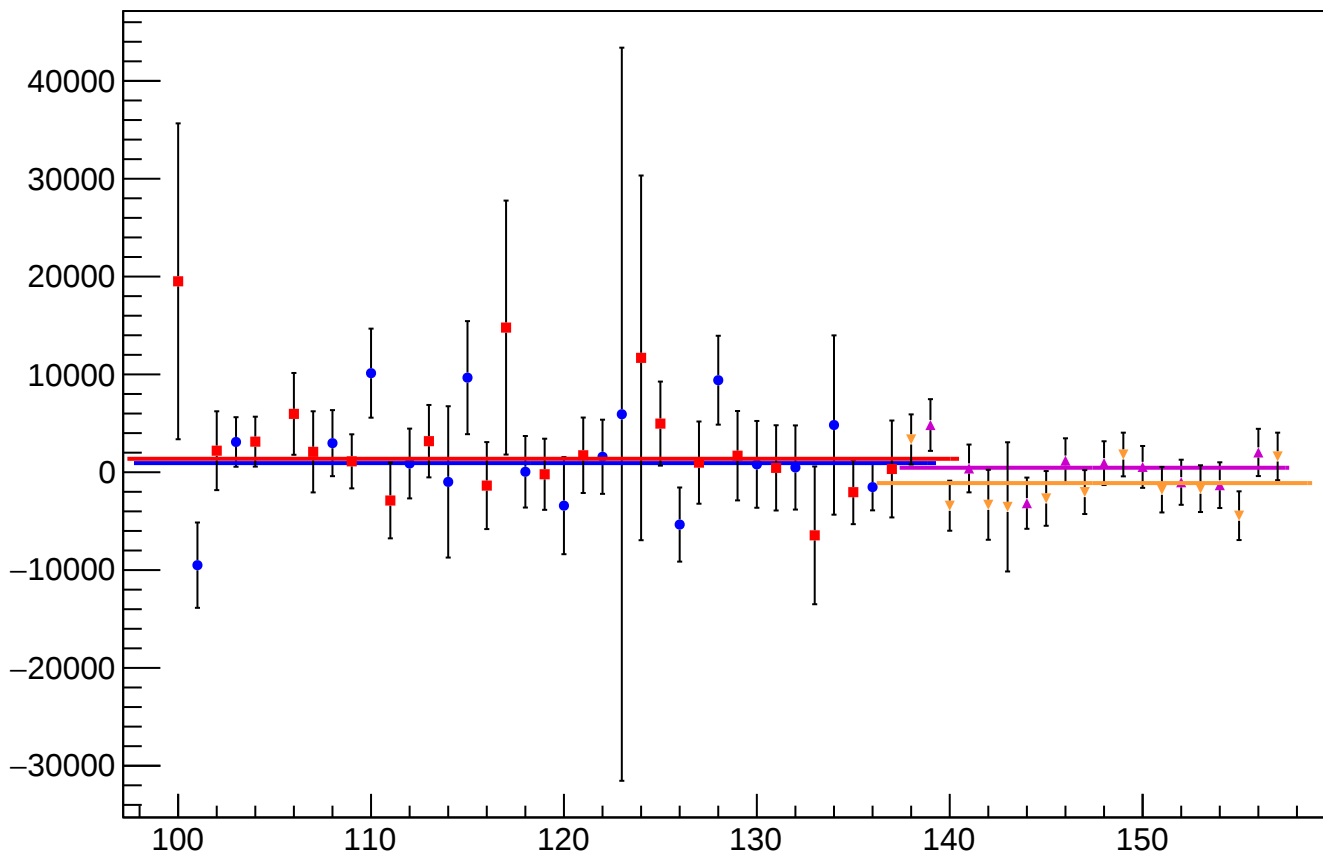
Left In: 1005.648 $\pm$ 0.263 χ^2 /NDF: 96346.7/8

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

1148.443 $\pm$ 0.159 χ^2 /NDF: 5793390.6/56

1128.167 $\pm$ 0.223 χ^2 /NDF: 2686113.3/28

asym_at2_dd_mean vs Slug, Sign Corrected



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

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

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

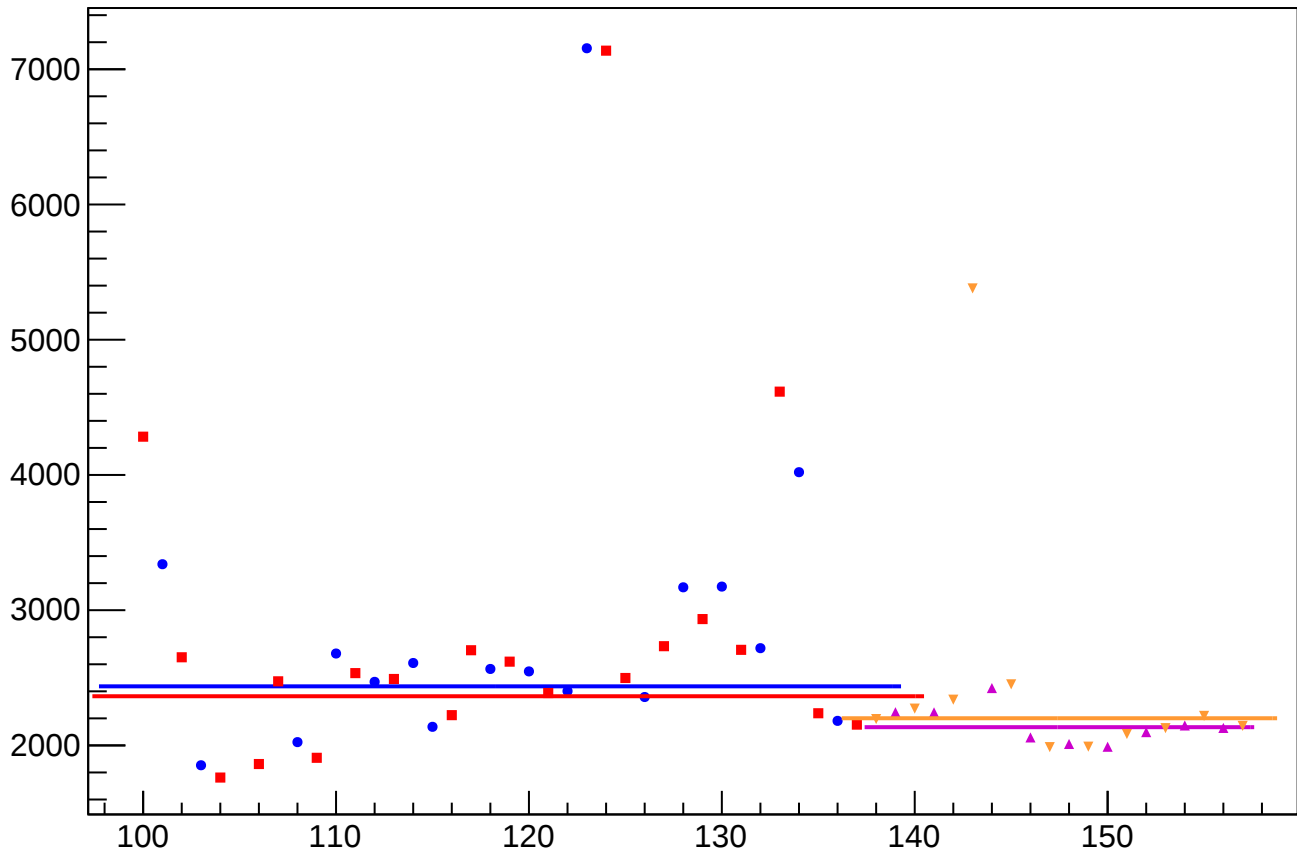
Left In: 459.171+/-788.180 χ^2/NDF : 6.2/8

-298.815+/-609.519 χ^2/NDF : 34.0/27

283.045+/-427.373 χ^2/NDF : 52.2/56

845.747+/-599.400 χ^2/NDF : 16.3/28

asym_at2_dd_rms vs Slug, Sign Corrected



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

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

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

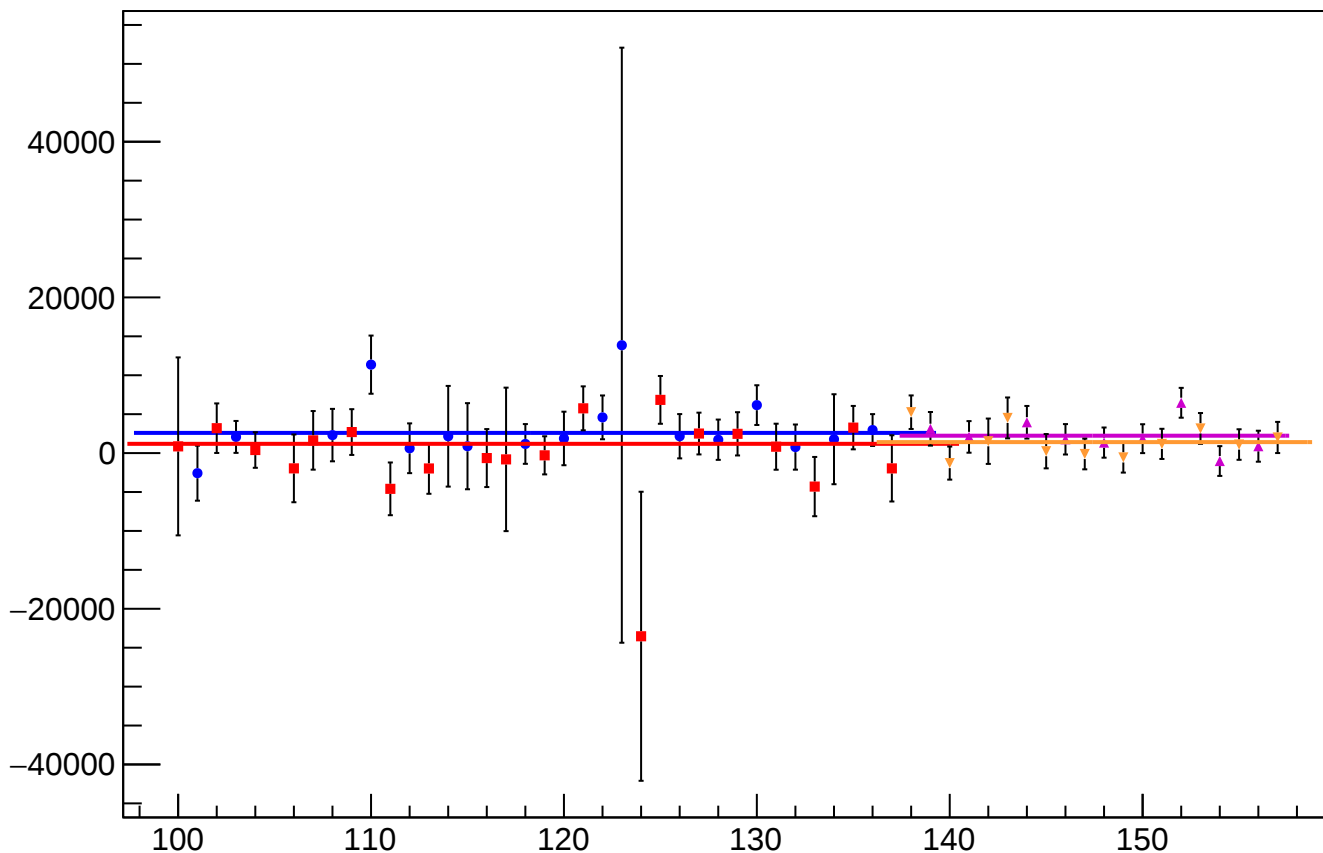
Left In: 2134.881 ± 0.557 $\chi^2/\text{NDF}: 50034.0/8$

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

2262.364 ± 0.302 $\chi^2/\text{NDF}: 1857819.1/56$

2231.327 ± 0.424 $\chi^2/\text{NDF}: 778283.0/28$

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



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

Left Out: 1411.342 $\pm$ 638.071 χ^2 /NDF: 9.0/10

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

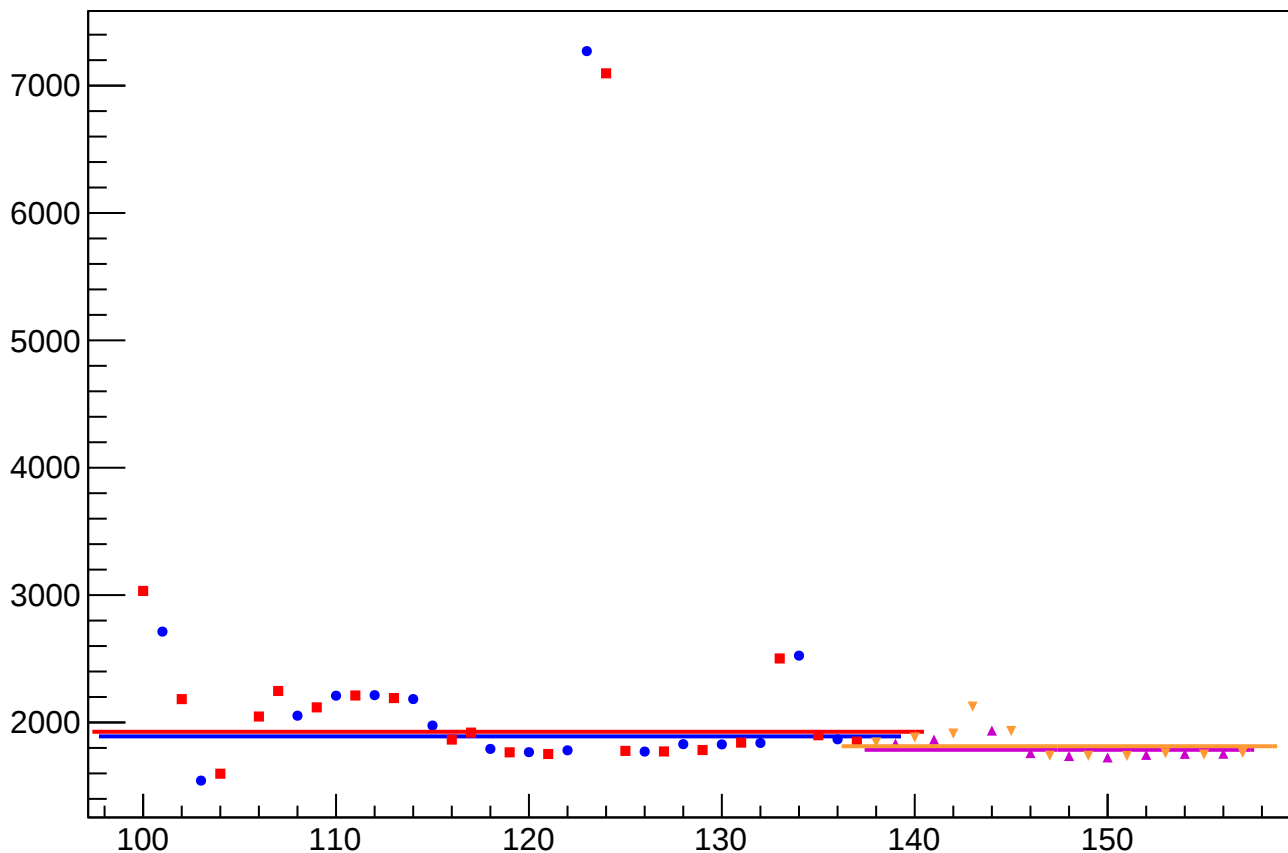
Left In: 2233.728 $\pm$ 659.128 χ^2 /NDF: 9.4/8

1913.622 $\pm$ 484.069 χ^2 /NDF: 22.1/27

1842.853 $\pm$ 344.844 χ^2 /NDF: 49.9/56

1769.930 $\pm$ 491.380 χ^2 /NDF: 27.8/28

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



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

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

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

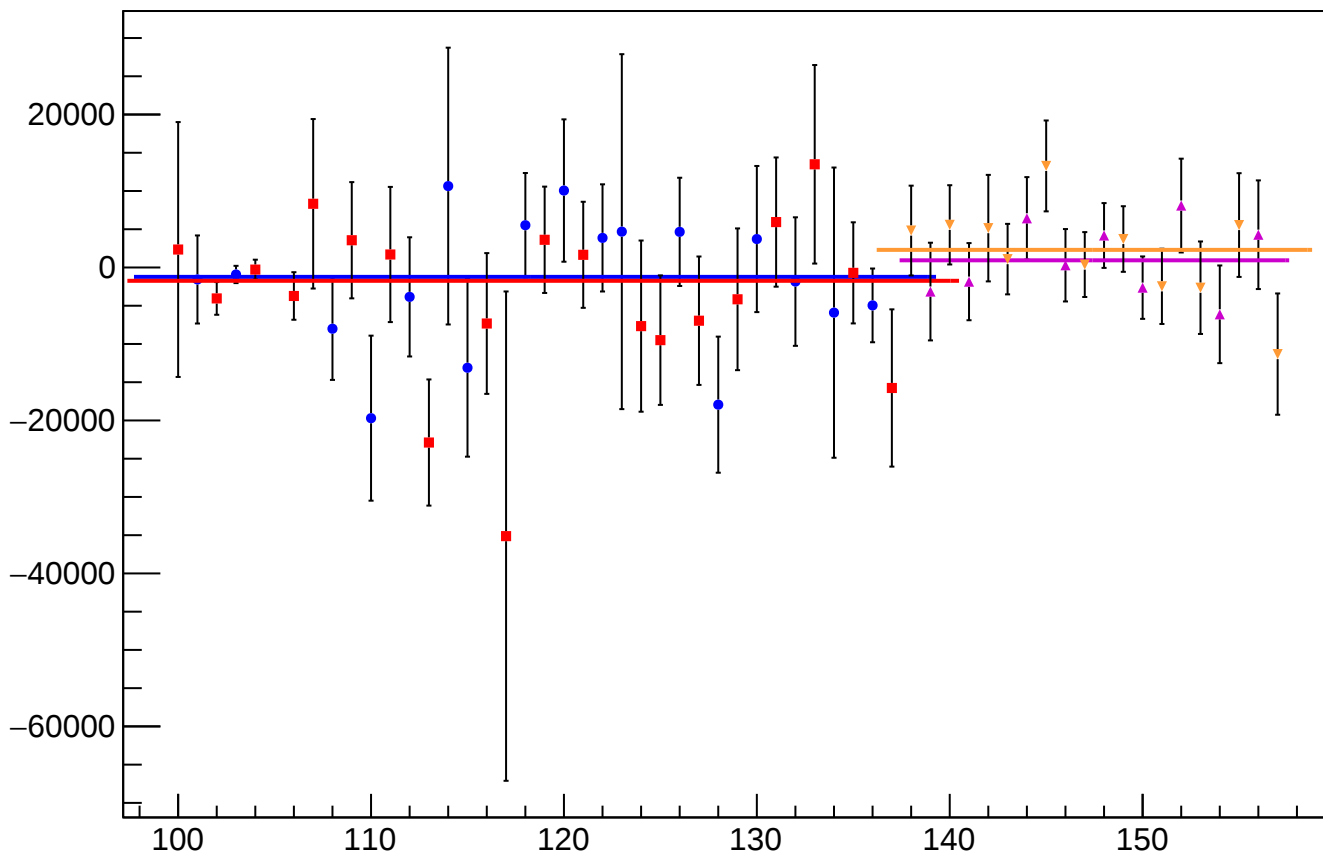
Left In: 1785.383+/-0.466 χ^2/NDF : 20095.2/8

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

1847.253+/-0.244 χ^2/NDF : 777653.7/56

1848.361+/-0.347 χ^2/NDF : 423381.1/28

asym_atl1r2_avg_correction_mean vs Slug, Sign Corrected



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

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

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

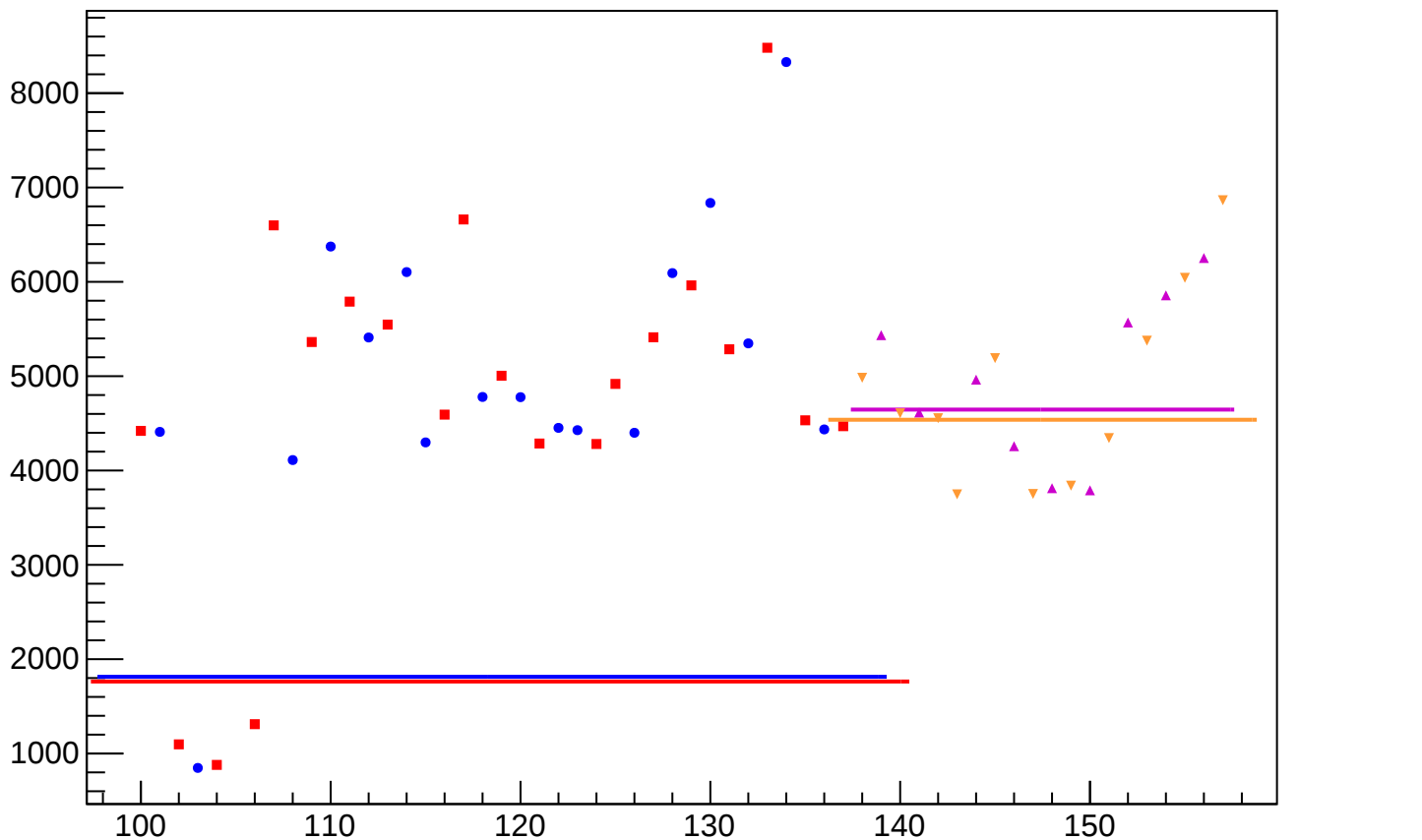
Left In: 937.928 $\pm$ 1741.736 χ^2 /NDF: 5.9/8

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

-714.635 $\pm$ 590.427 χ^2 /NDF: 53.8/56

-1135.300 $\pm$ 828.017 χ^2 /NDF: 26.7/28

asym_atl1r2_avg_correction_rms vs Slug, Sign Corrected



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

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

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

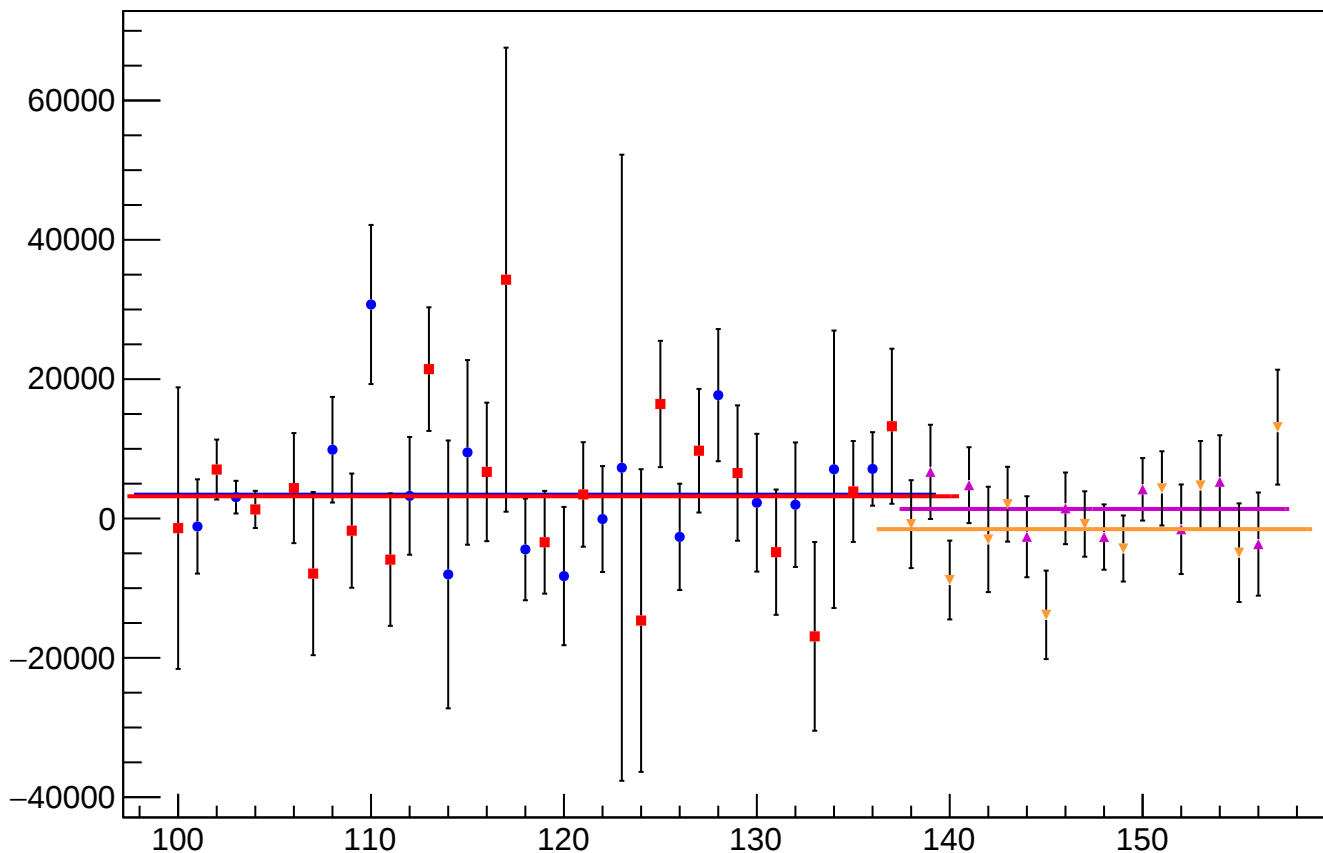
Left In: 4645.890+/-1.232 χ^2/NDF : 435952.8/8

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

2478.658+/-0.417 χ^2/NDF : 22150138.7/5

2414.833+/-0.585 χ^2/NDF : 11035761.9/28

asym_atl1r2_avg_mean vs Slug, Sign Corrected



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

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

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

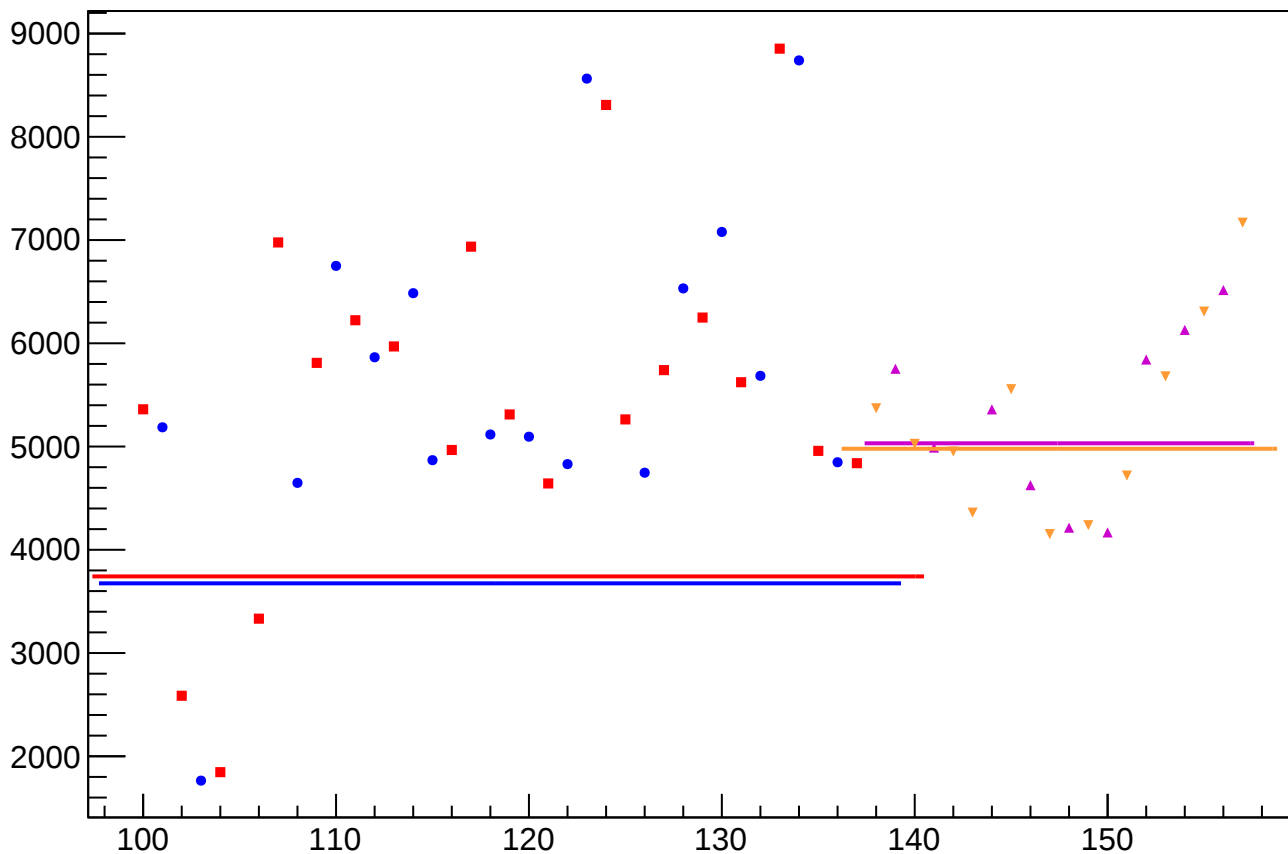
Left In: 1363.469 $\pm$ 1879.591 χ^2/NDF : 3.6/8

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

1791.609 $\pm$ 852.293 χ^2/NDF : 51.4/56

2420.381 $\pm$ 1220.144 χ^2/NDF : 21.1/28

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3675.003 +/- 1.136 χ^2/NDF : 2775085.7/16

Left Out: 4978.659 +/- 1.255 χ^2/NDF : 401908.3/10

Right Out: 3742.124 +/- 1.127 χ^2/NDF : 2712365.3/19

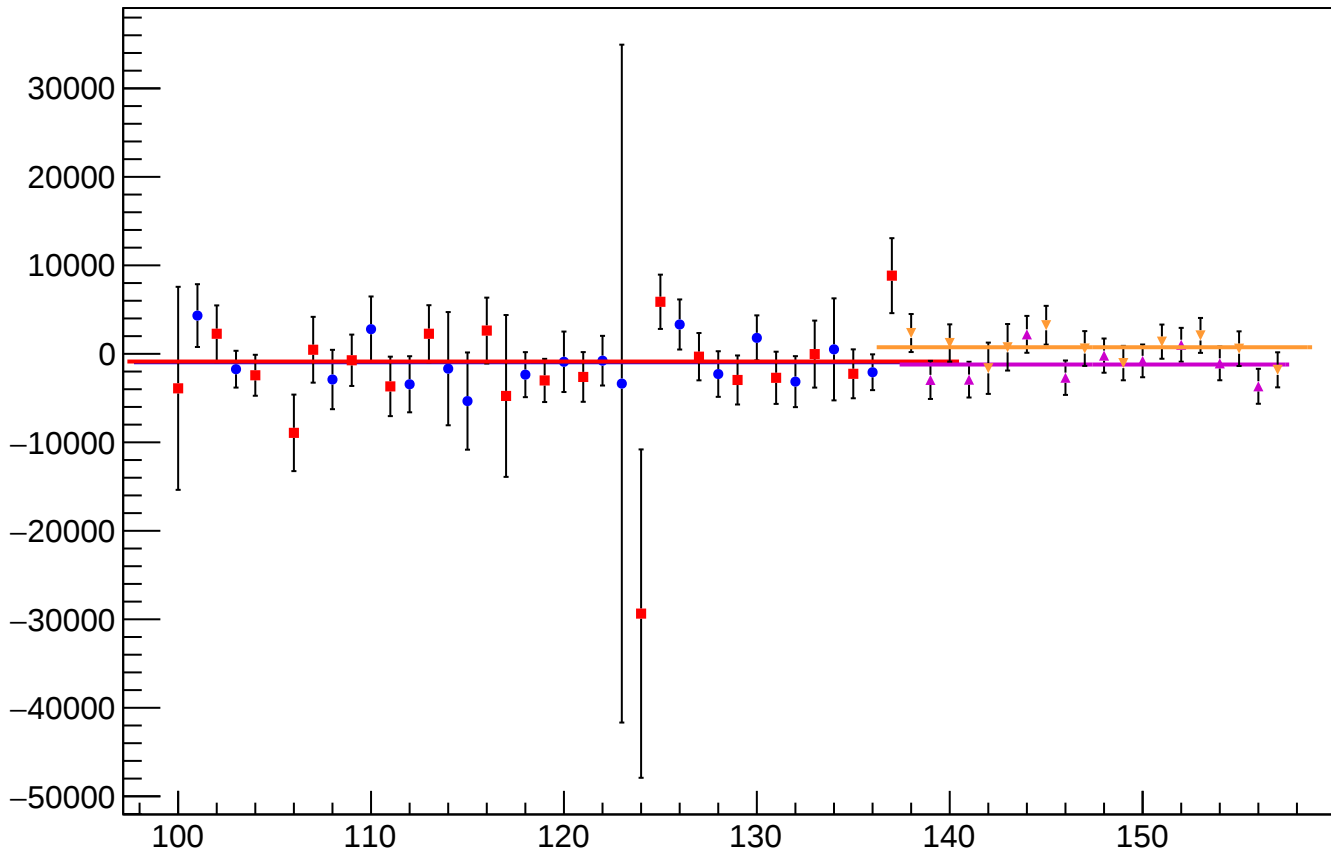
Left In: 5031.491 +/- 1.329 χ^2/NDF : 342979.9/8

4262.265 +/- 0.842 χ^2/NDF : 3770147.7/27

4271.584 +/- 0.602 χ^2/NDF : 7373336.0/56

4281.289 +/- 0.859 χ^2/NDF : 3602938.3/28

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -951.377+/-740.668 χ^2/NDF : 10.0/16

Left Out: 746.298+/-635.375 χ^2/NDF : 5.7/10

Right Out: -868.810+/-735.140 χ^2/NDF : 22.7/19

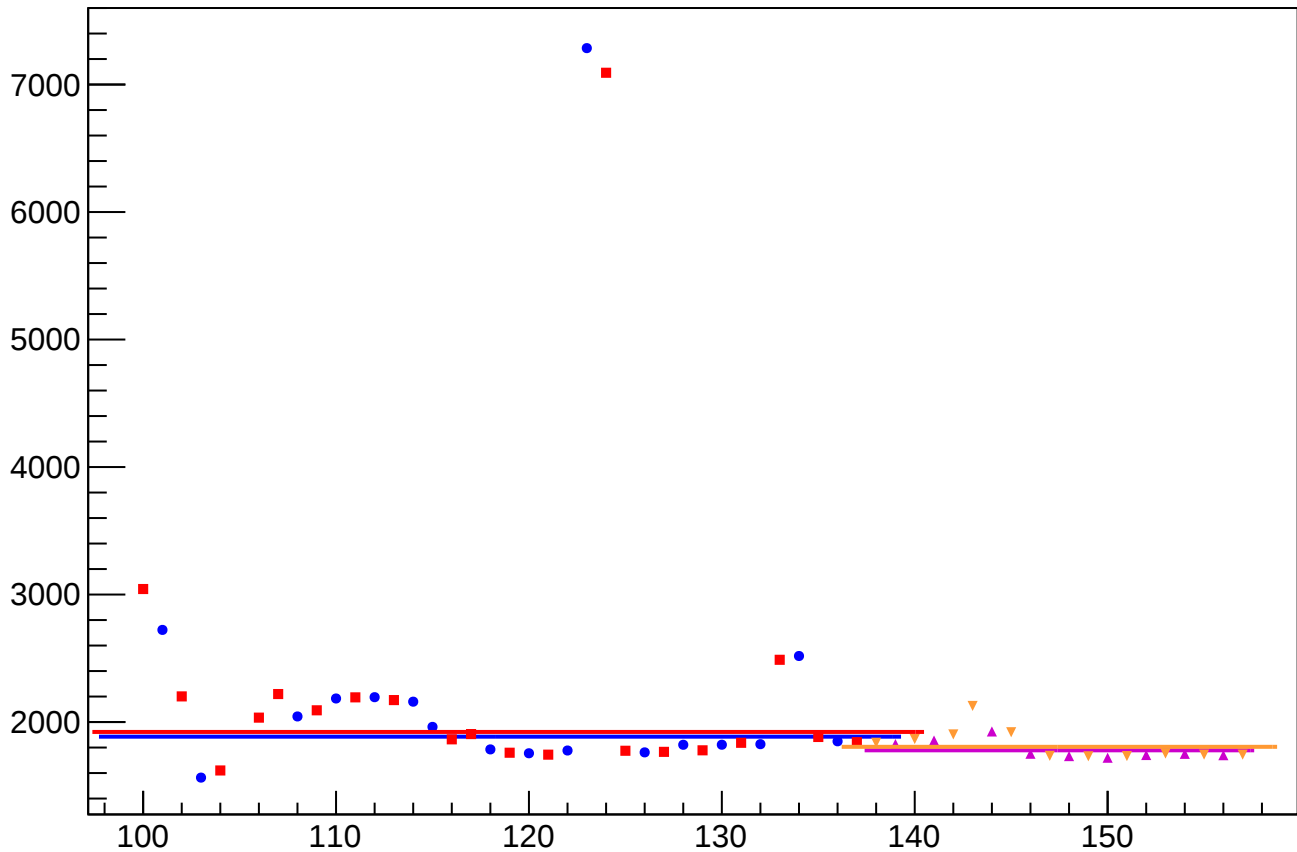
Left In: -1206.758+/-656.493 χ^2/NDF : 7.9/8

26.609+/-482.246 χ^2/NDF : 18.6/27

-506.838+/-343.592 χ^2/NDF : 51.8/56

-1056.822+/-489.664 χ^2/NDF : 30.7/28

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



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

Left Out: 1805.729+/-0.449 χ^2/NDF : 53171.7/10

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

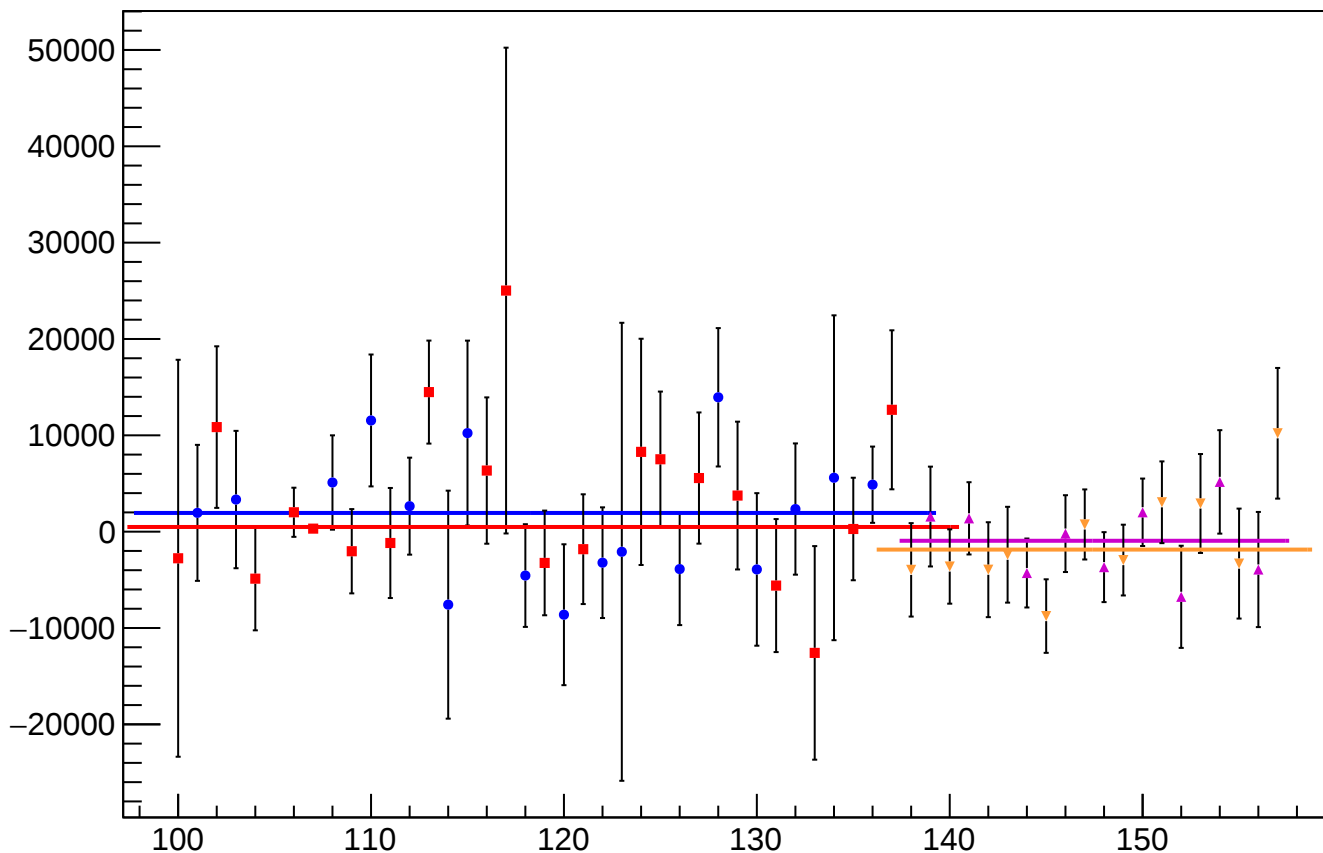
Left In: 1778.298+/-0.464 χ^2/NDF : 19401.7/8

1839.487+/-0.341 χ^2/NDF : 346918.2/27

1840.900+/-0.243 χ^2/NDF : 760718.2/56

1842.354+/-0.346 χ^2/NDF : 413765.1/28

asym_atl1r2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1943.178+/-1581.060 χ^2/NDF : 13.2/16

Left Out: -1860.181+/-1341.506 χ^2/NDF : 9.9/10

Right Out: 486.774+/-453.611 χ^2/NDF : 19.0/19

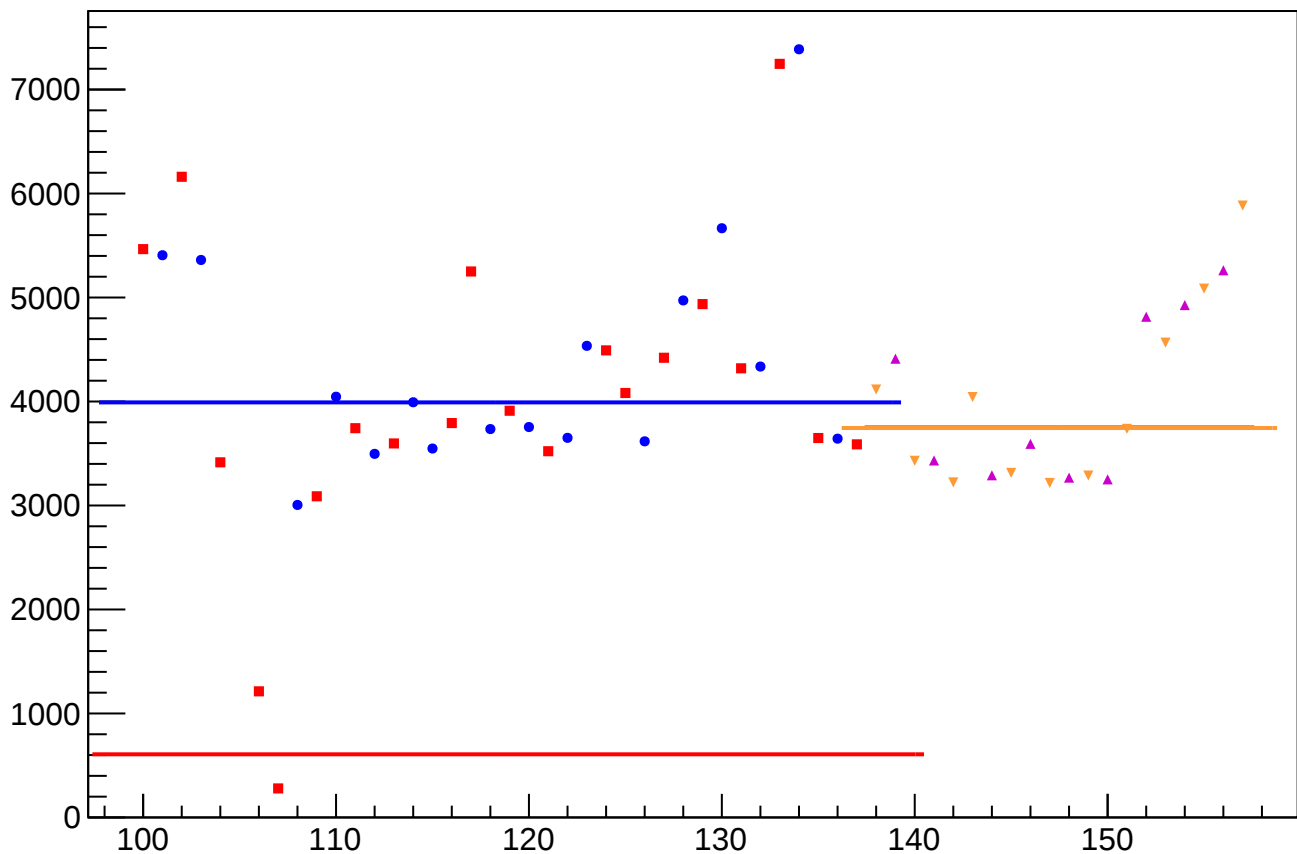
Left In: -945.389+/-1407.143 χ^2/NDF : 5.6/8

-268.171+/-1022.910 χ^2/NDF : 26.5/27

258.192+/-397.756 χ^2/NDF : 52.3/56

351.957+/-431.733 χ^2/NDF : 25.5/28

asym_atl1r2_dd_correction_rms vs Slug, Sign Corrected



Right In: 3991.416+/-1.118 χ^2/NDF : 510782.7/16

Left Out: 3745.039+/-0.949 χ^2/NDF : 513925.6/10

Right Out: 607.234+/-0.321 χ^2/NDF : 10314440.1/19

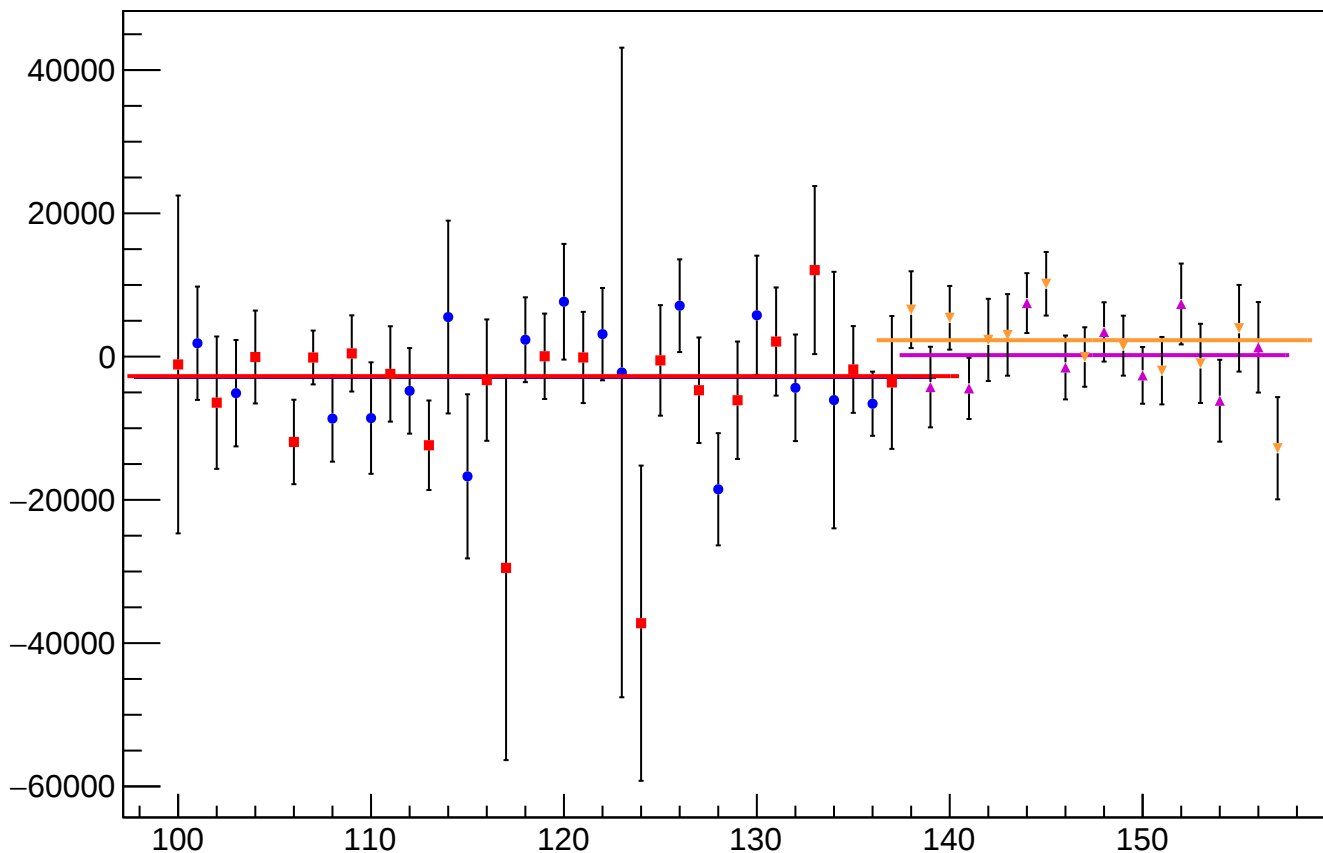
Left In: 3750.254+/-0.995 χ^2/NDF : 463652.5/8

3848.168+/-0.723 χ^2/NDF : 1052945.6/27

1348.406+/-0.281 χ^2/NDF : 34941588.6/5

903.104+/-0.305 χ^2/NDF : 19816893.1/28

asym_atl1r2_dd_mean vs Slug, Sign Corrected



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

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

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

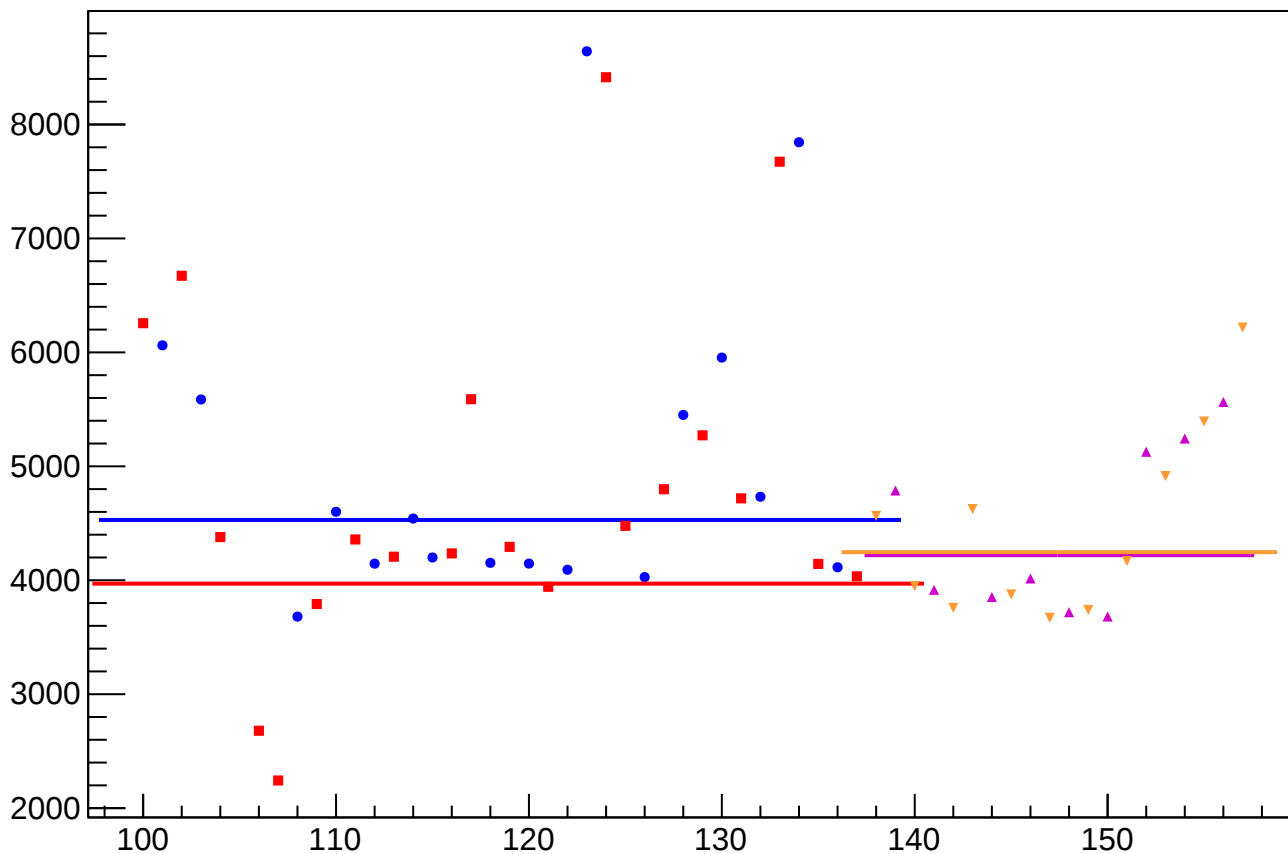
Left In: 203.824+/-1574.983 χ^2/NDF : 9.0/8

149.030+/-1154.212 χ^2/NDF : 30.6/27

-583.907+/-801.096 χ^2/NDF : 54.2/56

-1265.153+/-1112.766 χ^2/NDF : 22.9/28

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4529.462 ± 1.263 $\chi^2/\text{NDF}: 389326.2/16$

Left Out: 4246.664 ± 1.069 $\chi^2/\text{NDF}: 375292.1/10$

Right Out: 3970.336 ± 1.105 $\chi^2/\text{NDF}: 1147711.9/19$

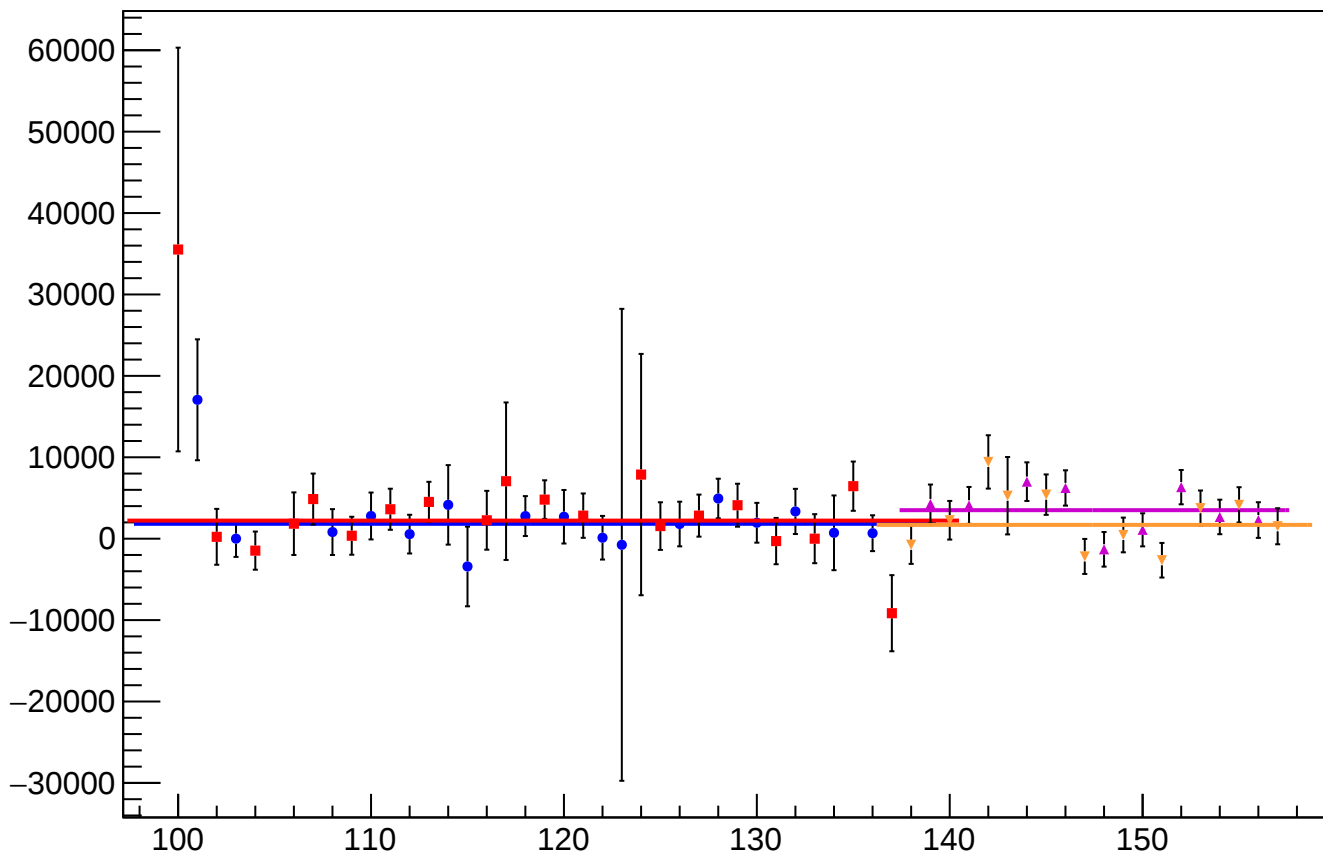
Left In: 4220.208 ± 1.114 $\chi^2/\text{NDF}: 322755.3/8$

4364.770 ± 0.816 $\chi^2/\text{NDF}: 793819.6/27$

4224.142 ± 0.566 $\chi^2/\text{NDF}: 2346767.9/56$

4094.269 ± 0.784 $\chi^2/\text{NDF}: 1495839.6/28$

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



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

Left Out: 1694.875 $\pm$ 716.905 χ^2 /NDF:19.5/10

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

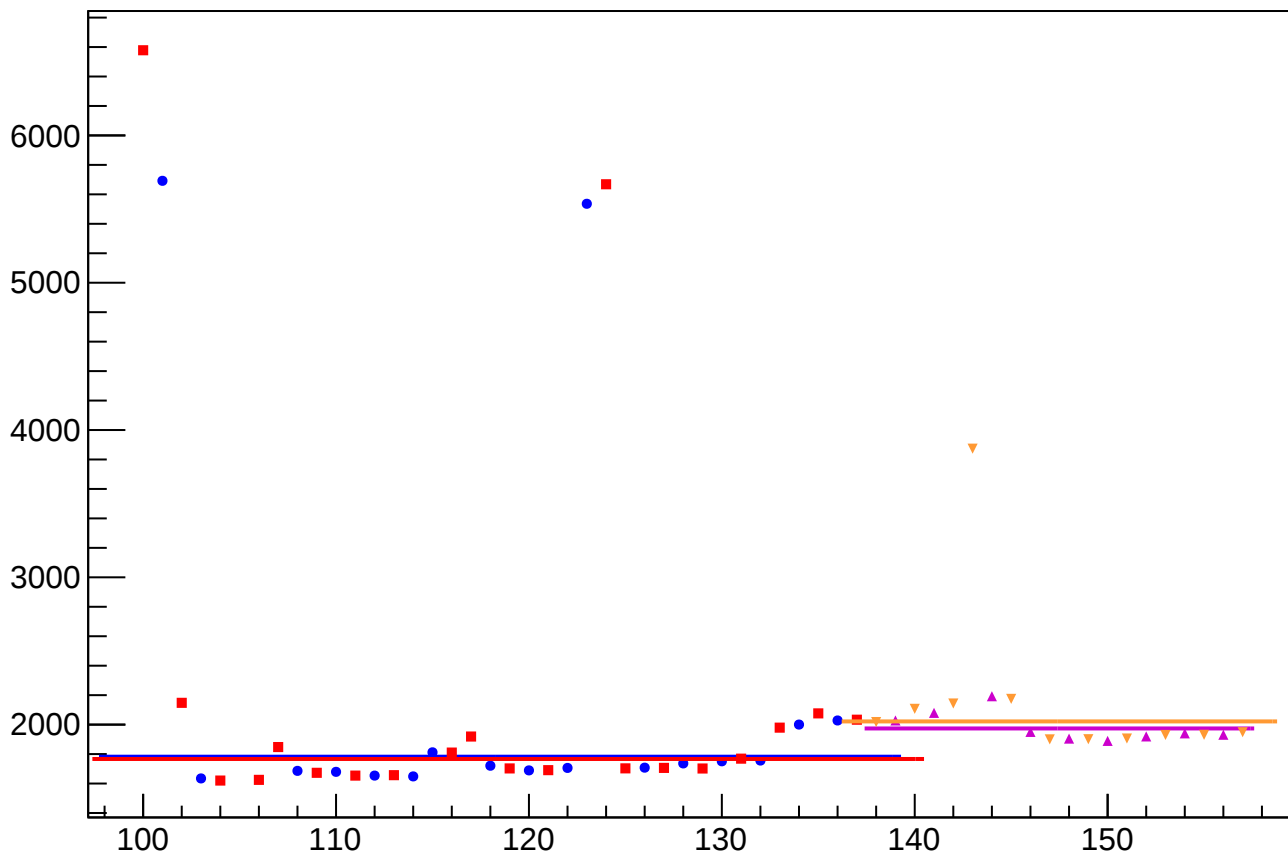
Left In: 3502.482 $\pm$ 729.206 χ^2 /NDF:12.7/8

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

2298.552 $\pm$ 354.676 χ^2 /NDF: 64.3/56

2820.069 $\pm$ 498.294 χ^2 /NDF: 33.0/28

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1782.137 ± 0.503 χ^2/NDF : 645188.8/16

Left Out: 2021.699 ± 0.507 χ^2/NDF : 344632.9/10

Right Out: 1766.719 ± 0.479 χ^2/NDF : 307297.1/19

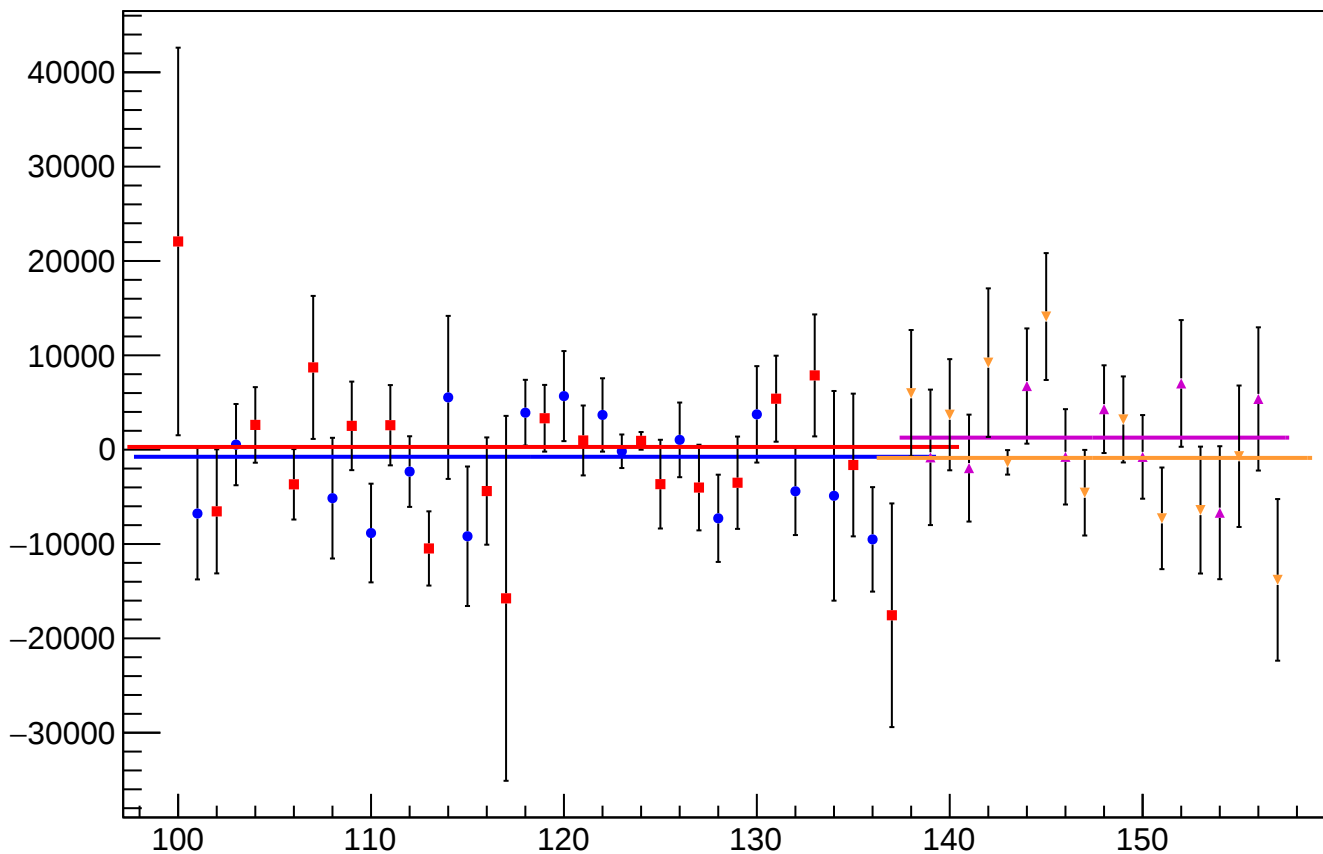
Left In: 1973.889 ± 0.516 χ^2/NDF : 30757.2/8

1900.984 ± 0.357 χ^2/NDF : 1102357.1/27

1881.545 ± 0.250 χ^2/NDF : 1532839.8/56

1862.753 ± 0.351 χ^2/NDF : 424653.2/28

asym_atr1l2_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -872.587 $\pm$ 1074.186 χ^2 /NDF:14.2/10

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

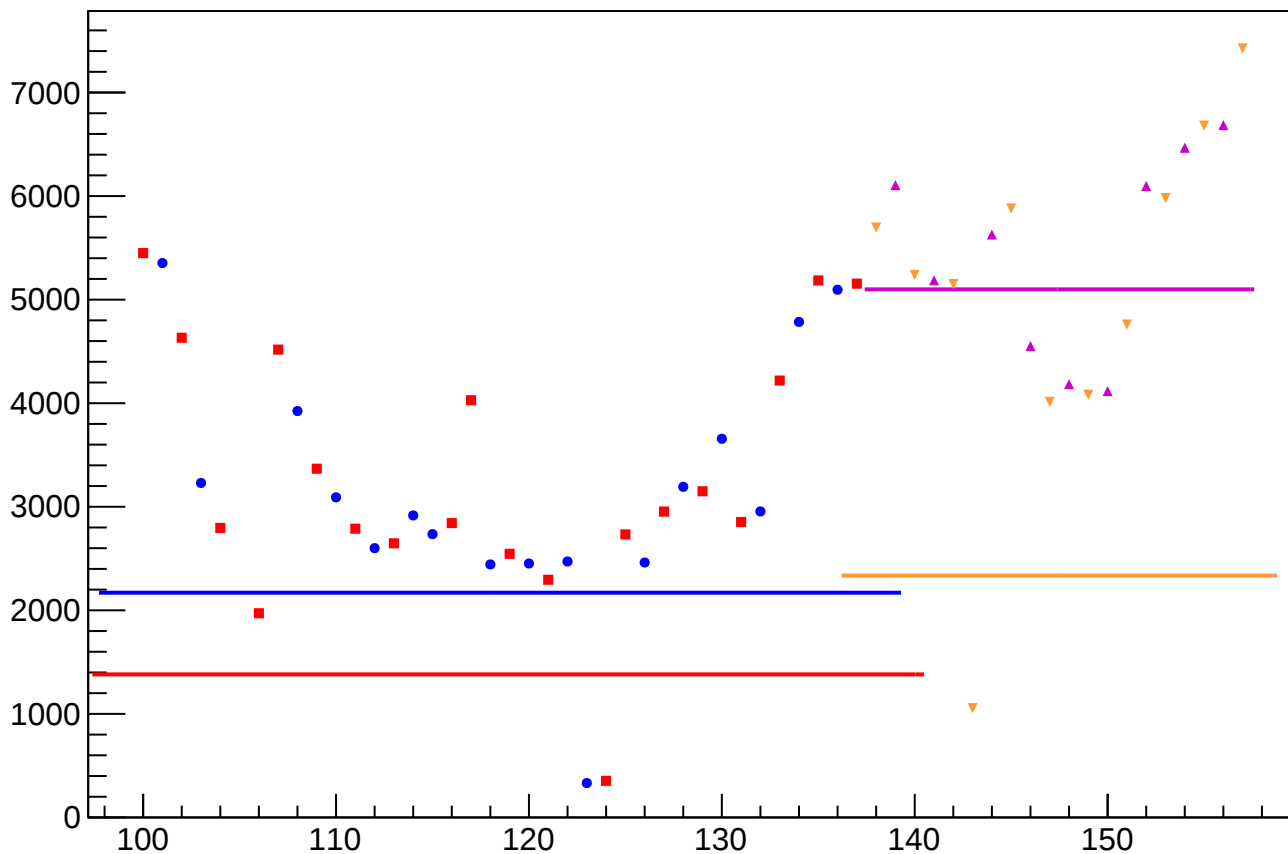
Left In: 1276.182 $\pm$ 1912.893 χ^2 /NDF:4.3/8

-809.254 $\pm$ 735.252 χ^2 /NDF: 31.2/27

-148.502 $\pm$ 498.285 χ^2 /NDF: 59.9/56

412.747 $\pm$ 677.633 χ^2 /NDF: 27.2/28

asym_atr1l2_avg_correction_rms vs Slug, Sign Corrected



Right In: 2170.242+/-0.713 χ^2/NDF : 3973725.5/16

Left Out: 2335.491+/-0.760 χ^2/NDF : 6679084.3/10

Right Out: 1381.438+/-0.512 χ^2/NDF : 6884822.3/19

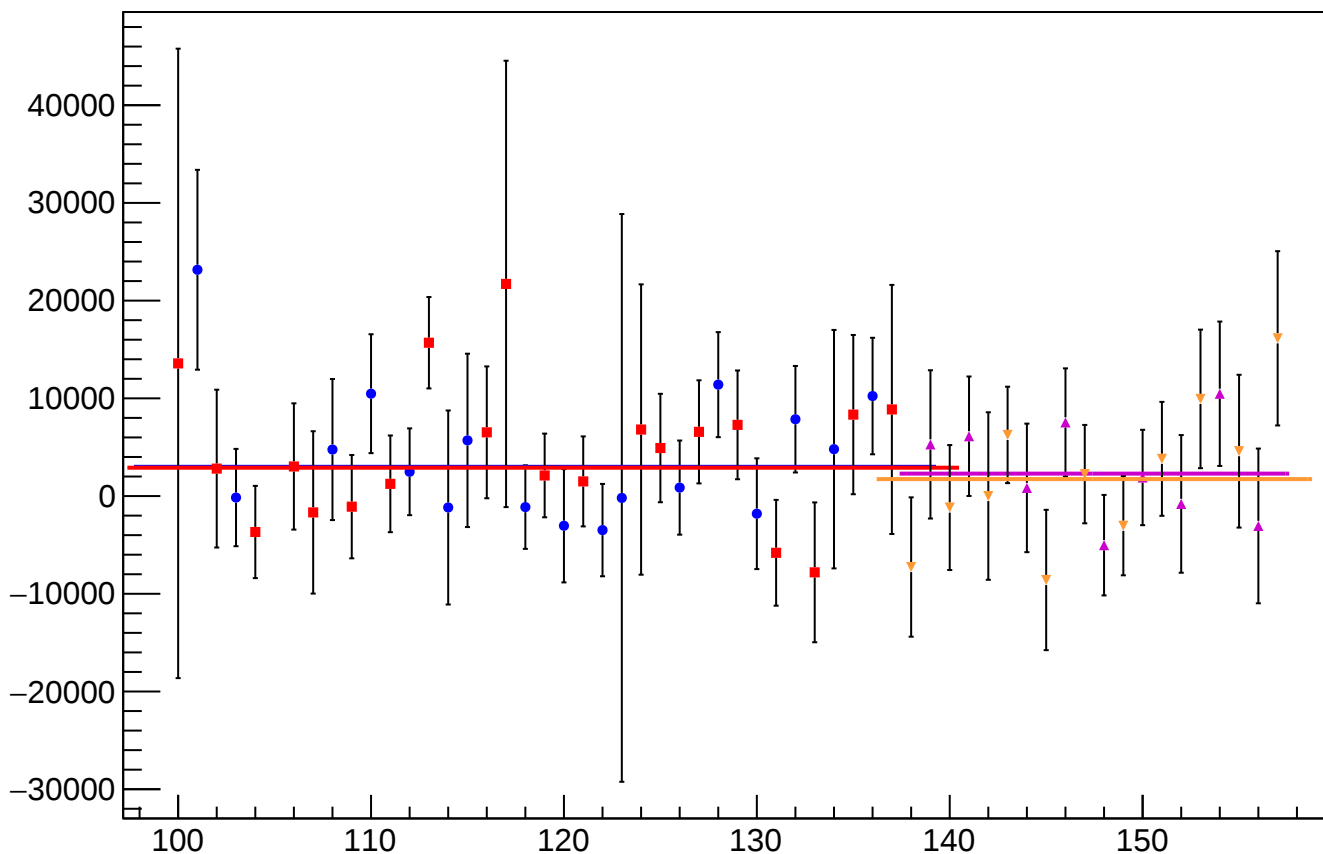
Left In: 5099.272+/-1.353 χ^2/NDF : 460637.0/8

2247.662+/-0.520 χ^2/NDF : 10677966.3/27

2031.552+/-0.352 χ^2/NDF : 24949812.4/5

1847.987+/-0.479 χ^2/NDF : 13952296.3/28

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2992.806+/-1447.211 χ^2/NDF : 15.7/16

Left Out: 1736.247+/-1907.405 χ^2/NDF : 9.9/10

Right Out: 2901.985+/-1376.603 χ^2/NDF : 18.4/19

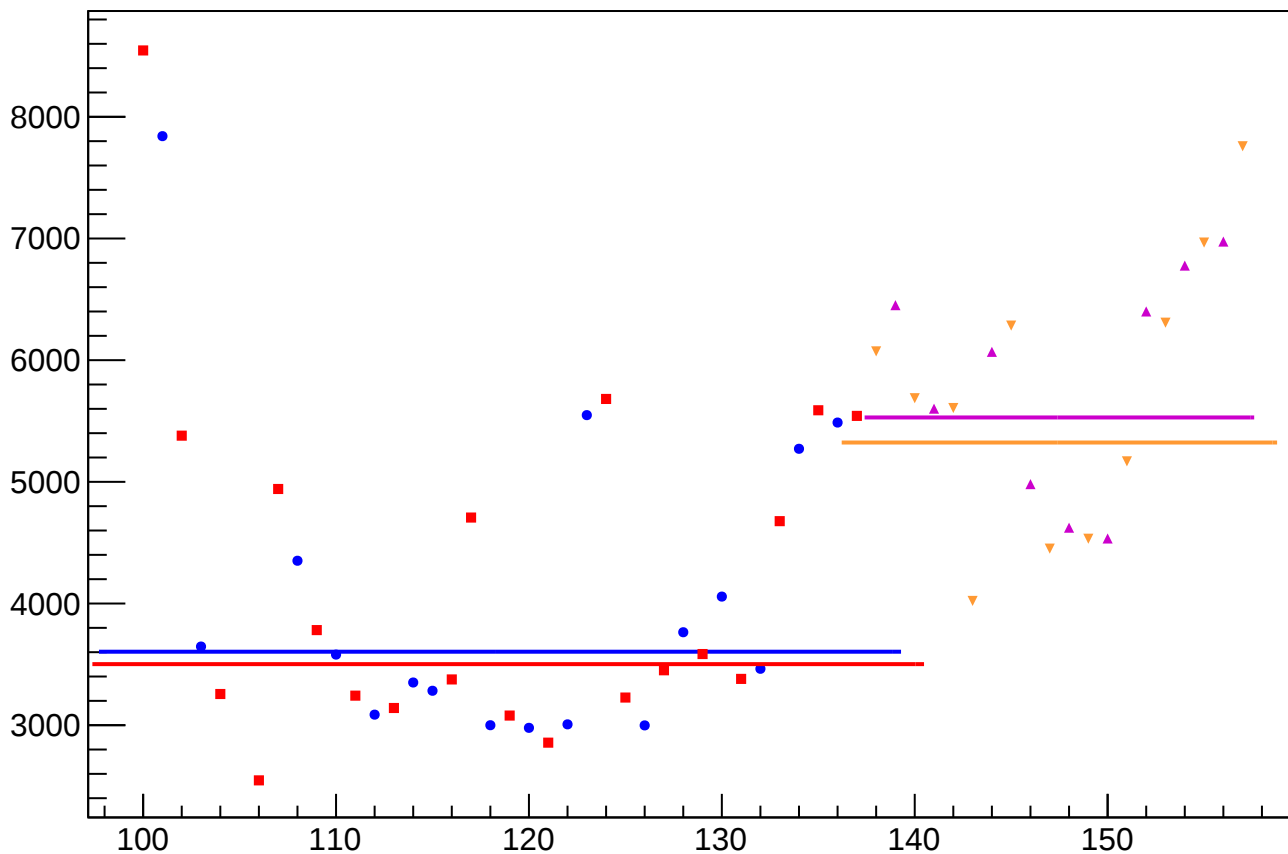
Left In: 2297.645+/-2066.585 χ^2/NDF : 5.4/8

2533.721+/-1152.918 χ^2/NDF : 25.8/27

2625.556+/-812.668 χ^2/NDF : 49.7/56

2716.244+/-1145.689 χ^2/NDF : 23.9/28

asym_atr1l2_avg_rms vs Slug, Sign Corrected



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

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

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

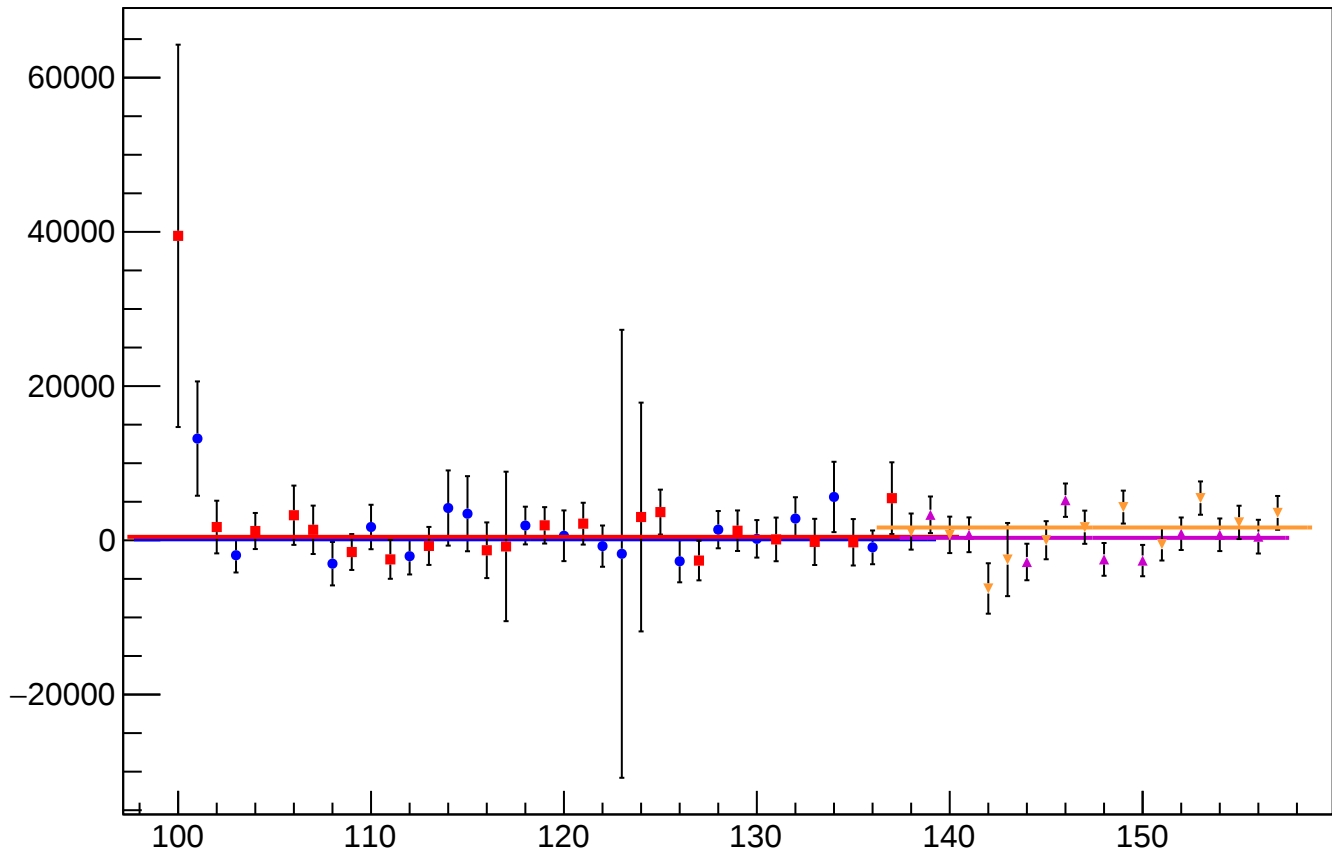
Left In: 5529.210 +/- 1.461 χ^2/NDF : 362433.0/8

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

4171.578 +/- 0.572 χ^2/NDF : 4793322.4/56

4112.984 +/- 0.802 χ^2/NDF : 2374492.9/28

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



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

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

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

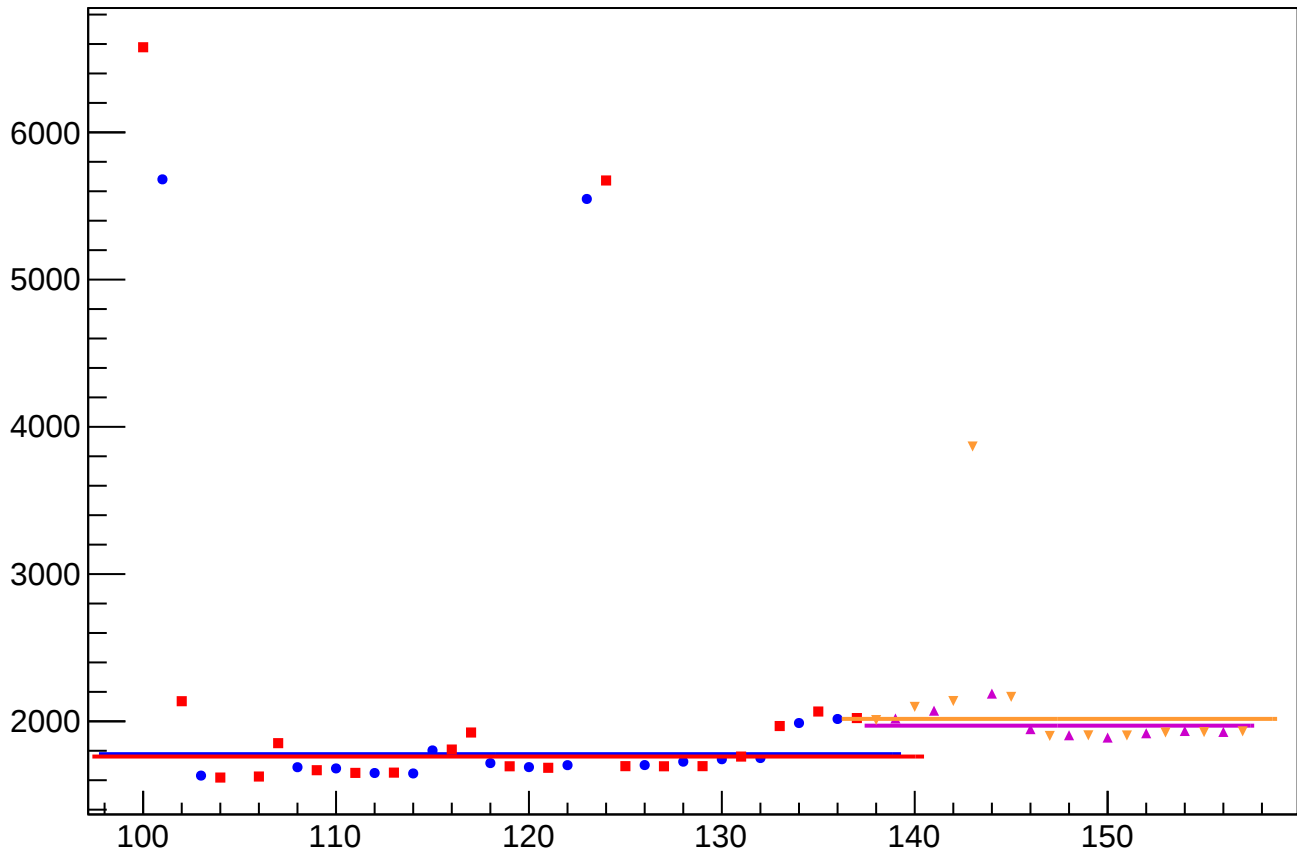
Left In: 320.962 $\pm$ 727.914 χ^2/NDF : 12.4/8

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

637.691 $\pm$ 353.705 χ^2/NDF : 51.9/56

391.386 $\pm$ 496.971 χ^2/NDF : 23.1/28

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



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

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

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

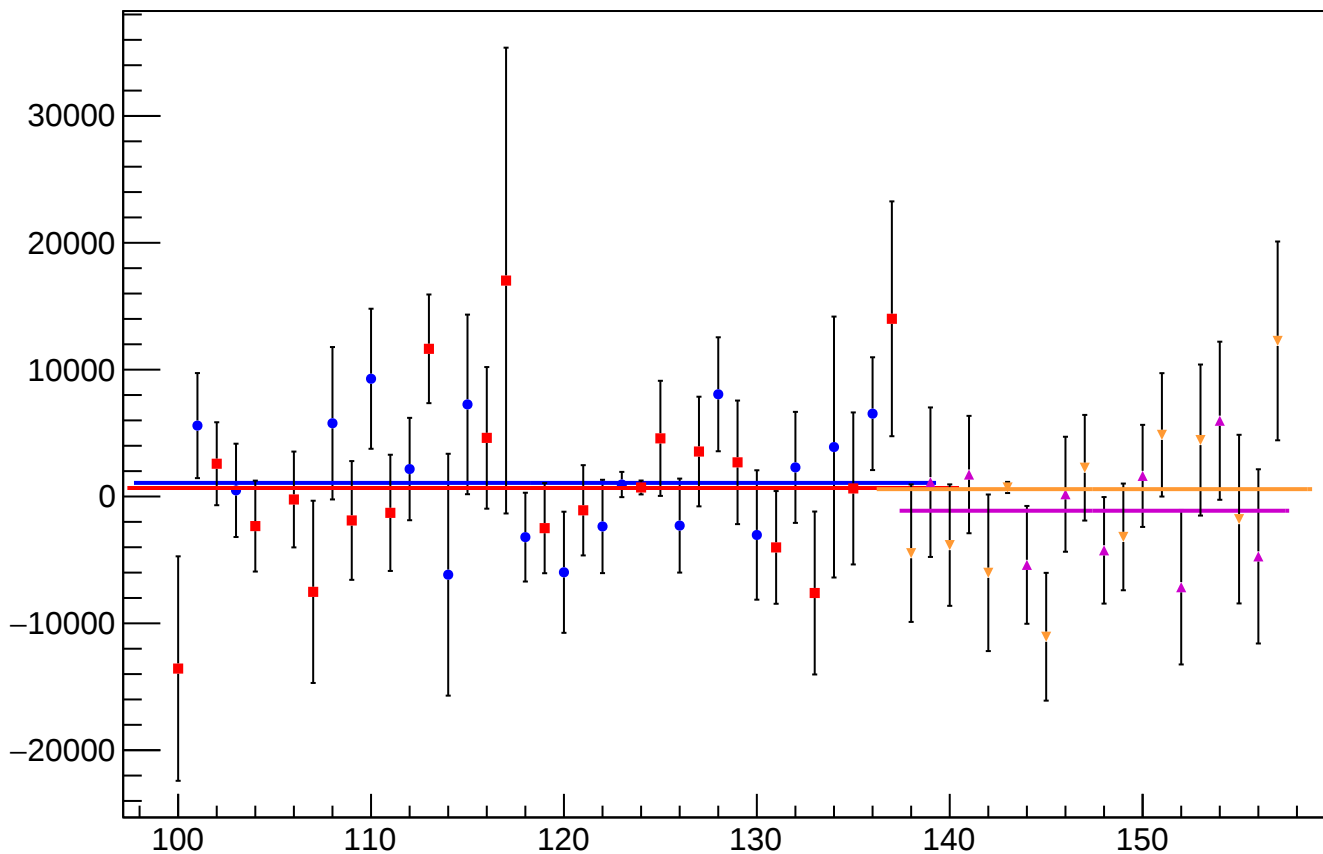
Left In: 1970.509+/-0.515 χ^2/NDF : 29638.1/8

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

1876.463+/-0.250 χ^2/NDF : 1531638.1/56

1857.835+/-0.350 χ^2/NDF : 425556.6/28

asym_atr1l2_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 580.198+/-424.169 χ^2/NDF : 12.8/10

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

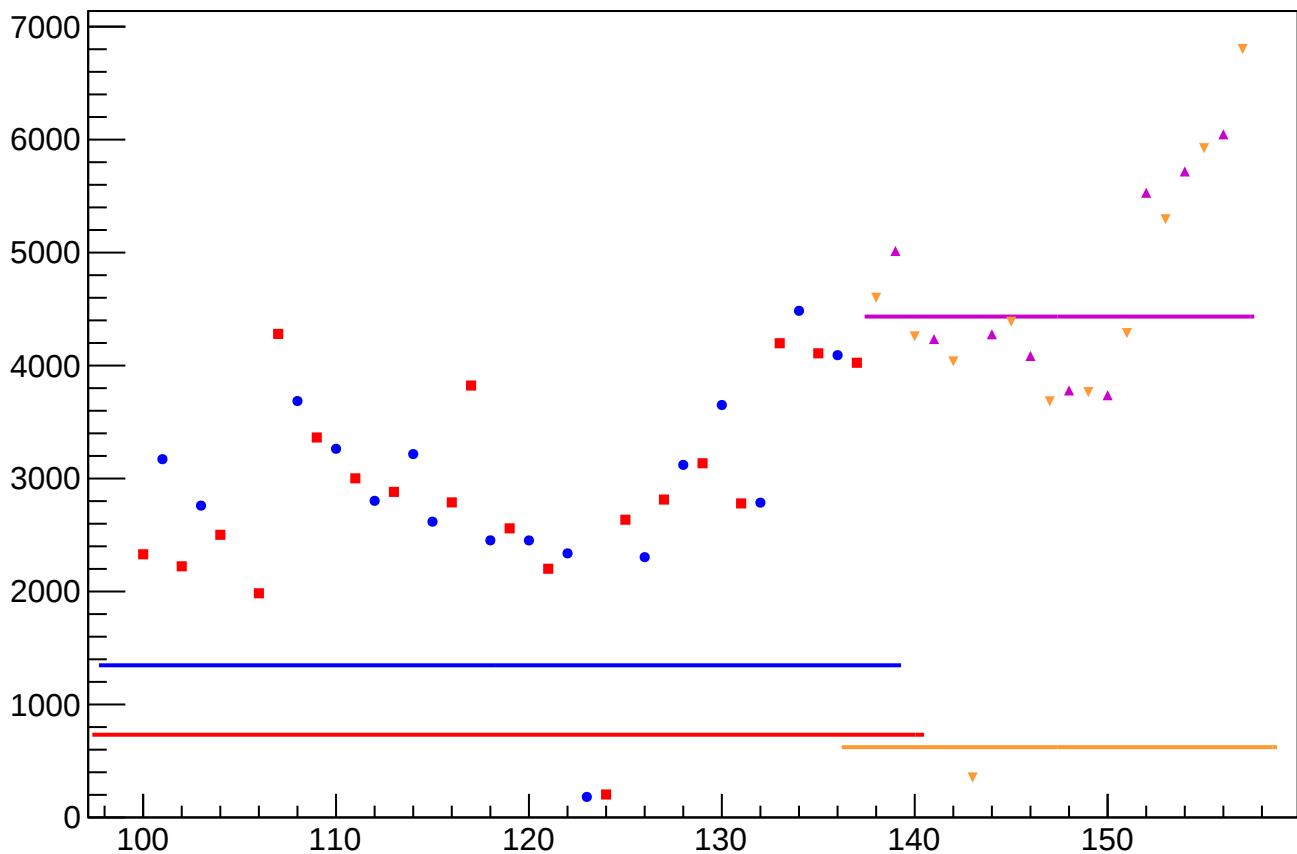
Left In: -1122.339+/-1660.001 χ^2/NDF : 5.0/8

698.882+/-369.483 χ^2/NDF : 28.7/27

633.198+/-290.014 χ^2/NDF : 55.4/56

527.787+/-468.066 χ^2/NDF : 26.7/28

asym_atr1l2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1346.836+/-0.532 χ^2/NDF : 6839112.6/16

Left Out: 622.409+/-0.300 χ^2/NDF : 11789717.5/10

Right Out: 732.303+/-0.345 χ^2/NDF : 9559853.6/19

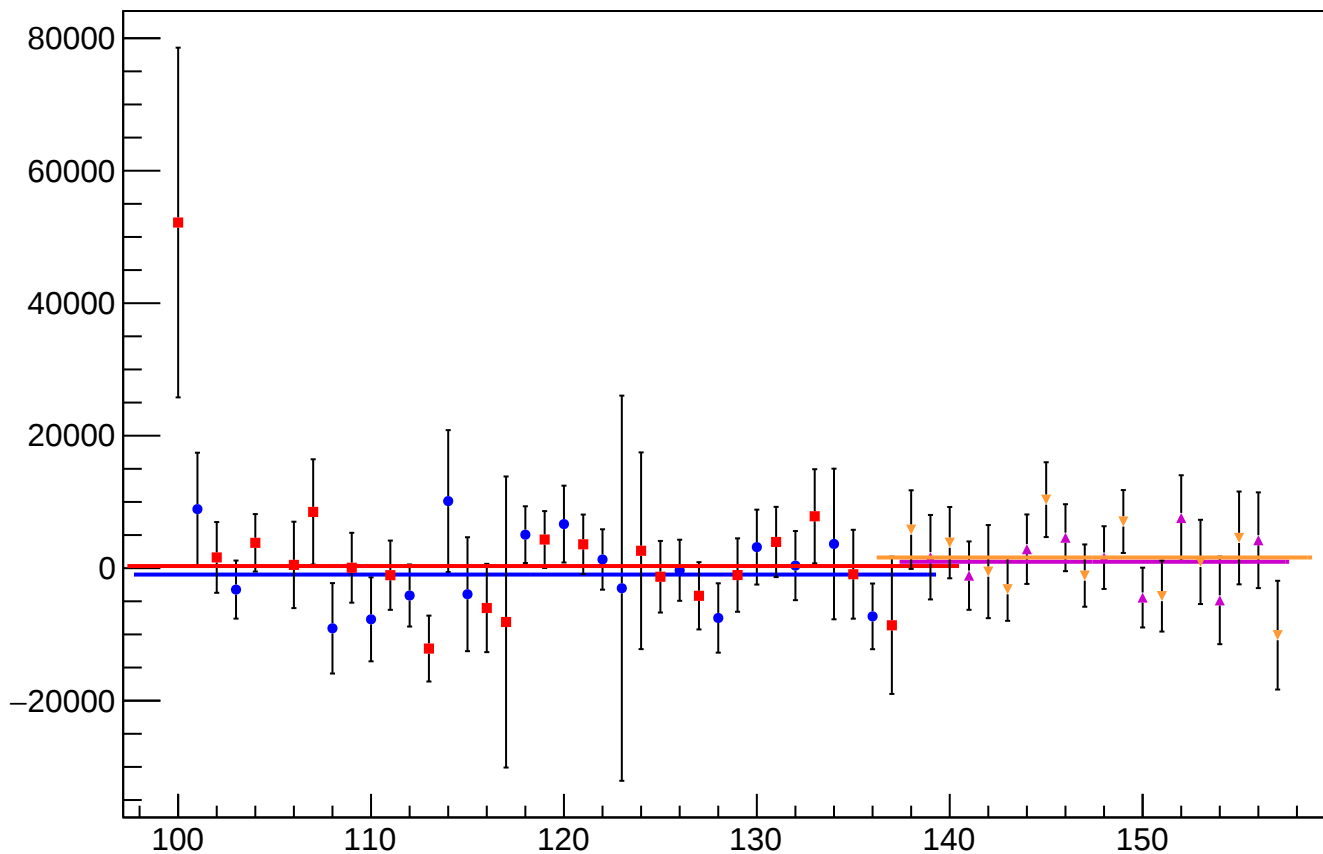
Left In: 4433.757+/-1.174 χ^2/NDF : 405654.8/8

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

885.240+/-0.205 χ^2/NDF : 39450963.9/56

1026.589+/-0.331 χ^2/NDF : 19118838.9/28

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -964.151 ± 1395.626 χ^2/NDF : 13.7/16

Left Out: 1613.938 ± 1707.604 χ^2/NDF : 9.2/10

Right Out: 323.694 ± 1327.331 χ^2/NDF : 17.8/19

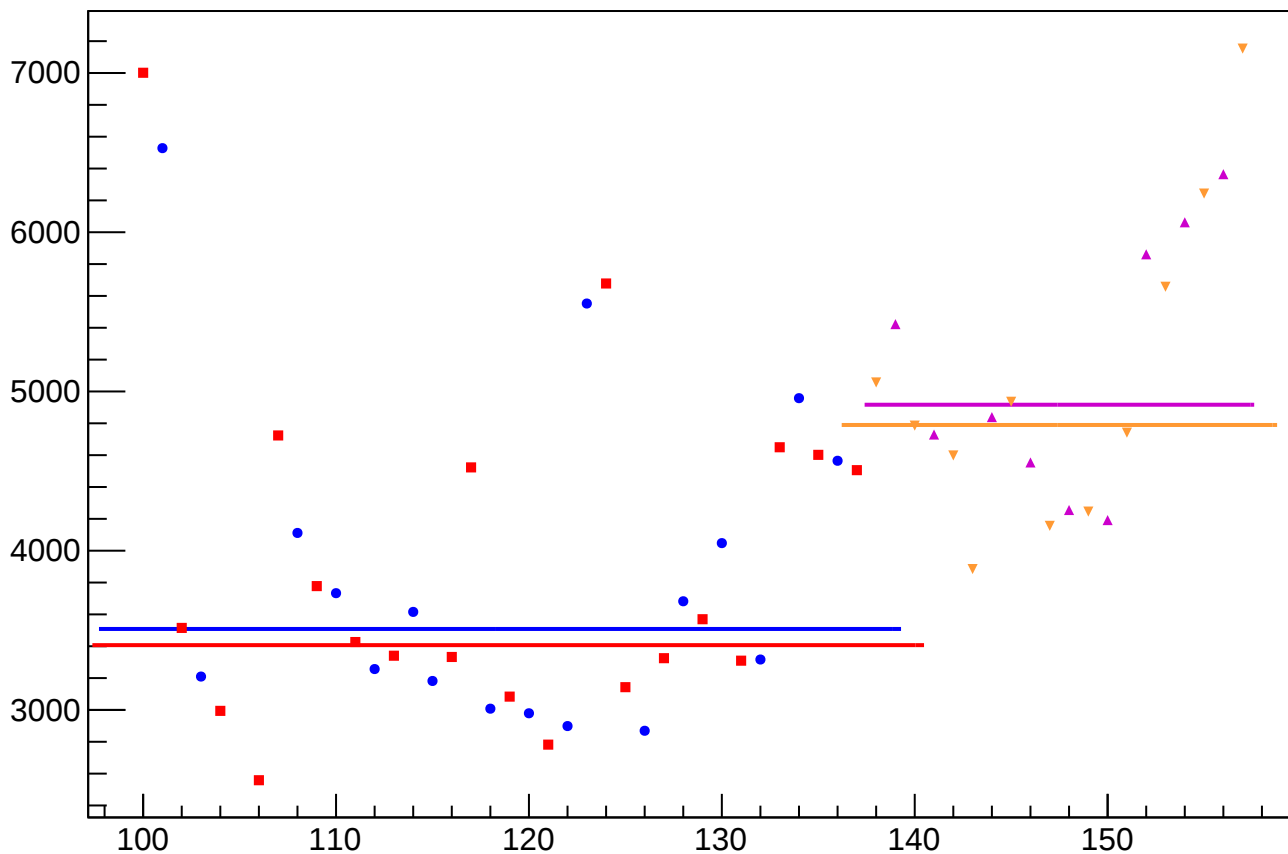
Left In: 967.890 ± 1833.450 χ^2/NDF : 4.3/8

68.302 ± 1080.621 χ^2/NDF : 24.3/27

307.970 ± 762.175 χ^2/NDF : 46.6/56

545.219 ± 1075.156 χ^2/NDF : 22.1/28

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3508.483 $\pm$ 0.987 χ^2 /NDF: 562197.7/16

Left Out: 4789.564 $\pm$ 1.207 χ^2 /NDF: 430806.3/10

Right Out: 3406.868 $\pm$ 0.926 χ^2 /NDF: 433737.9/19

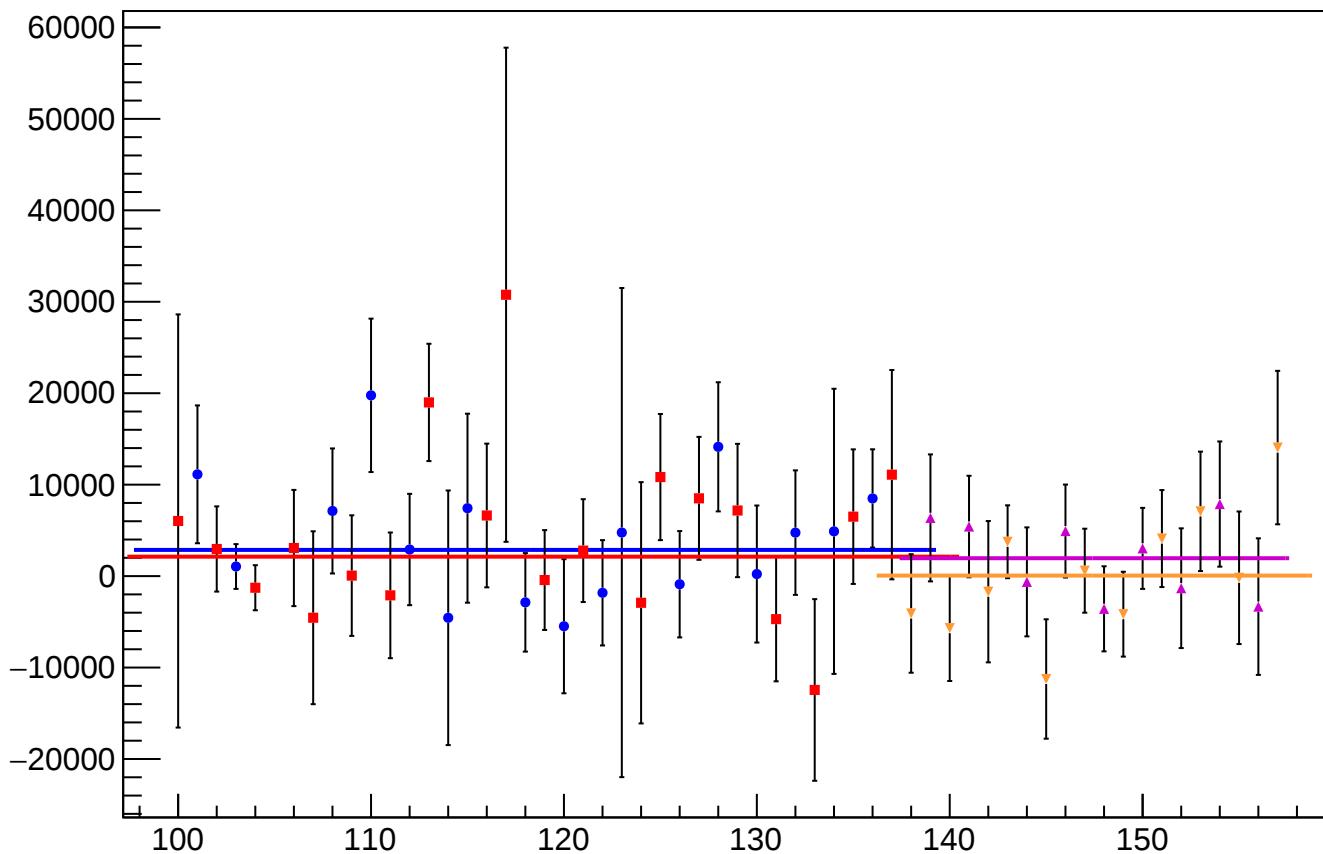
Left In: 4916.675 $\pm$ 1.296 χ^2 /NDF: 299849.7/8

4021.517 $\pm$ 0.764 χ^2 /NDF: 1667873.8/27

3968.673 $\pm$ 0.537 χ^2 /NDF: 3308665.3/56

3917.250 $\pm$ 0.754 χ^2 /NDF: 1631354.6/28

reg_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



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

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

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

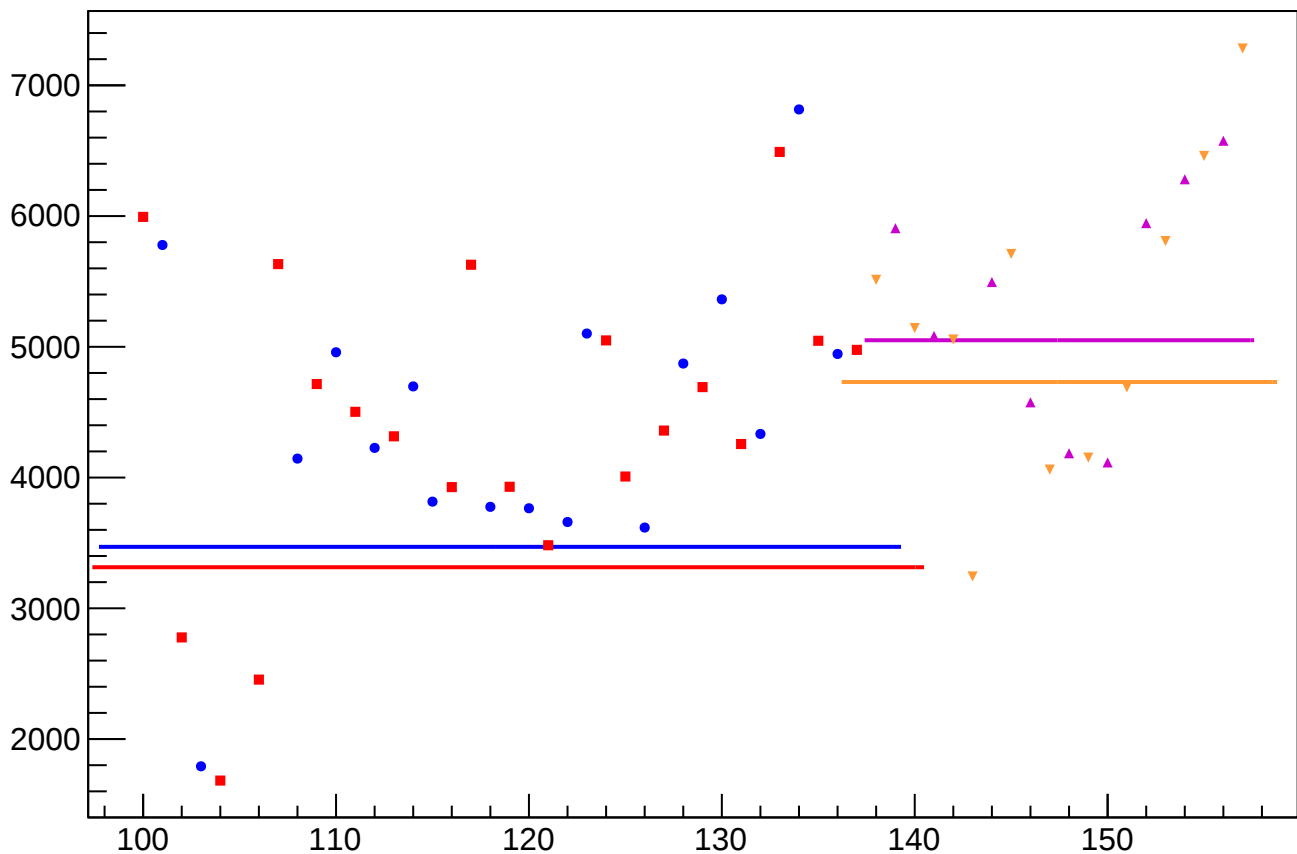
Left In: 1956.374 $\pm$ 1890.462 χ^2 /NDF: 4.3/8

1685.615 $\pm$ 1106.399 χ^2 /NDF: 26.3/27

1874.973 $\pm$ 785.190 χ^2 /NDF: 49.5/56

2067.114 $\pm$ 1114.499 χ^2 /NDF: 23.1/28

reg_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



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

Left Out: 4730.962+/-1.207 χ^2/NDF : 793462.8/10

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

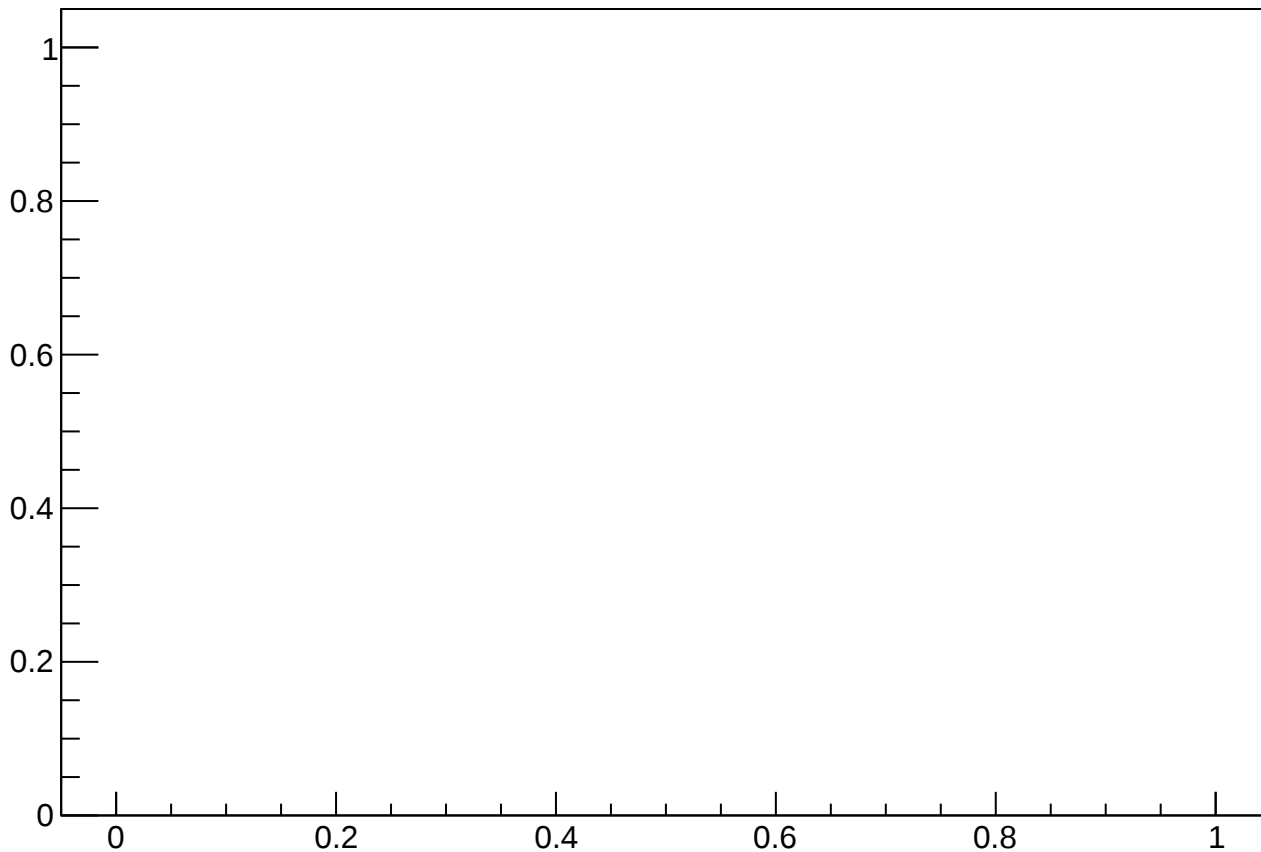
Left In: 5050.287+/-1.337 χ^2/NDF : 402839.8/8

3999.497+/-0.782 χ^2/NDF : 3187086.5/27

3955.001+/-0.554 χ^2/NDF : 6629371.6/56

3910.387+/-0.783 χ^2/NDF : 3435806.6/28

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

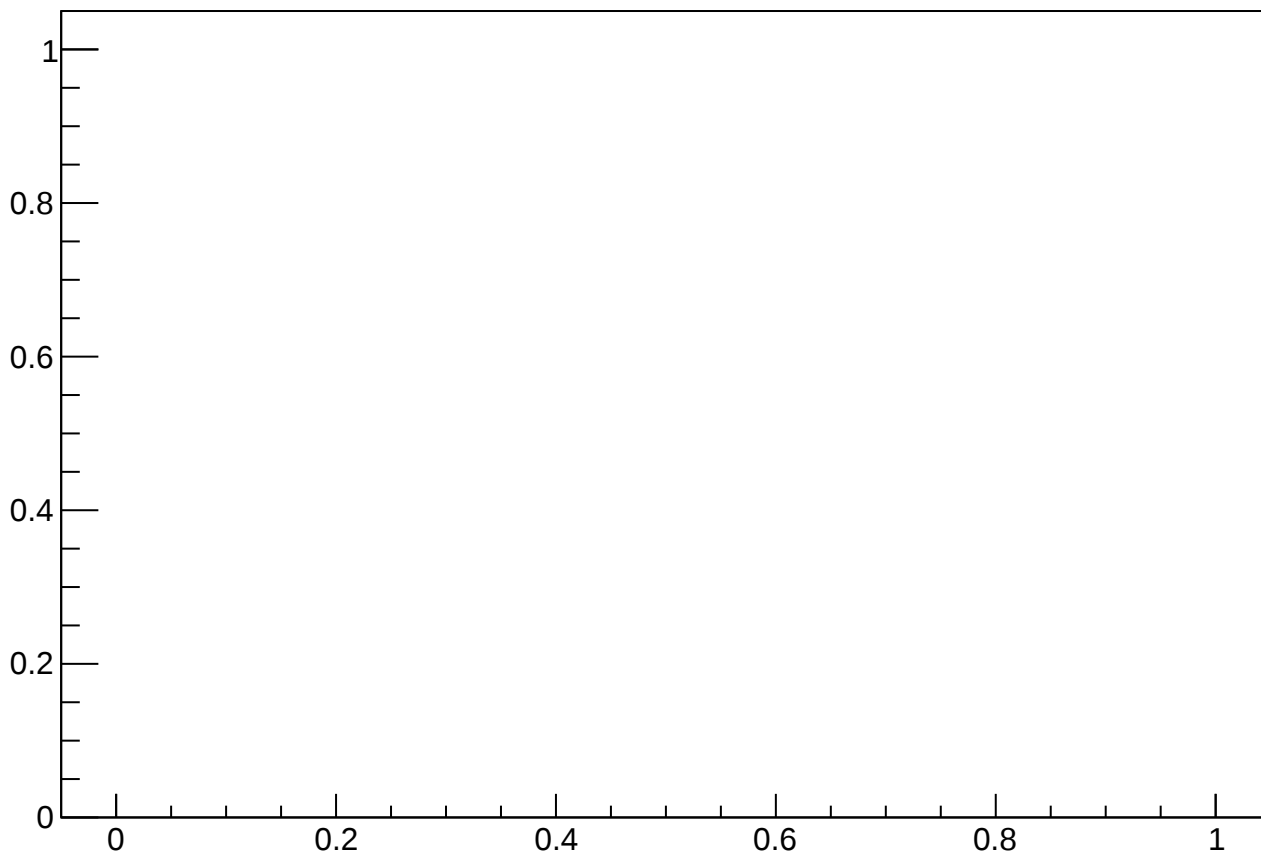
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

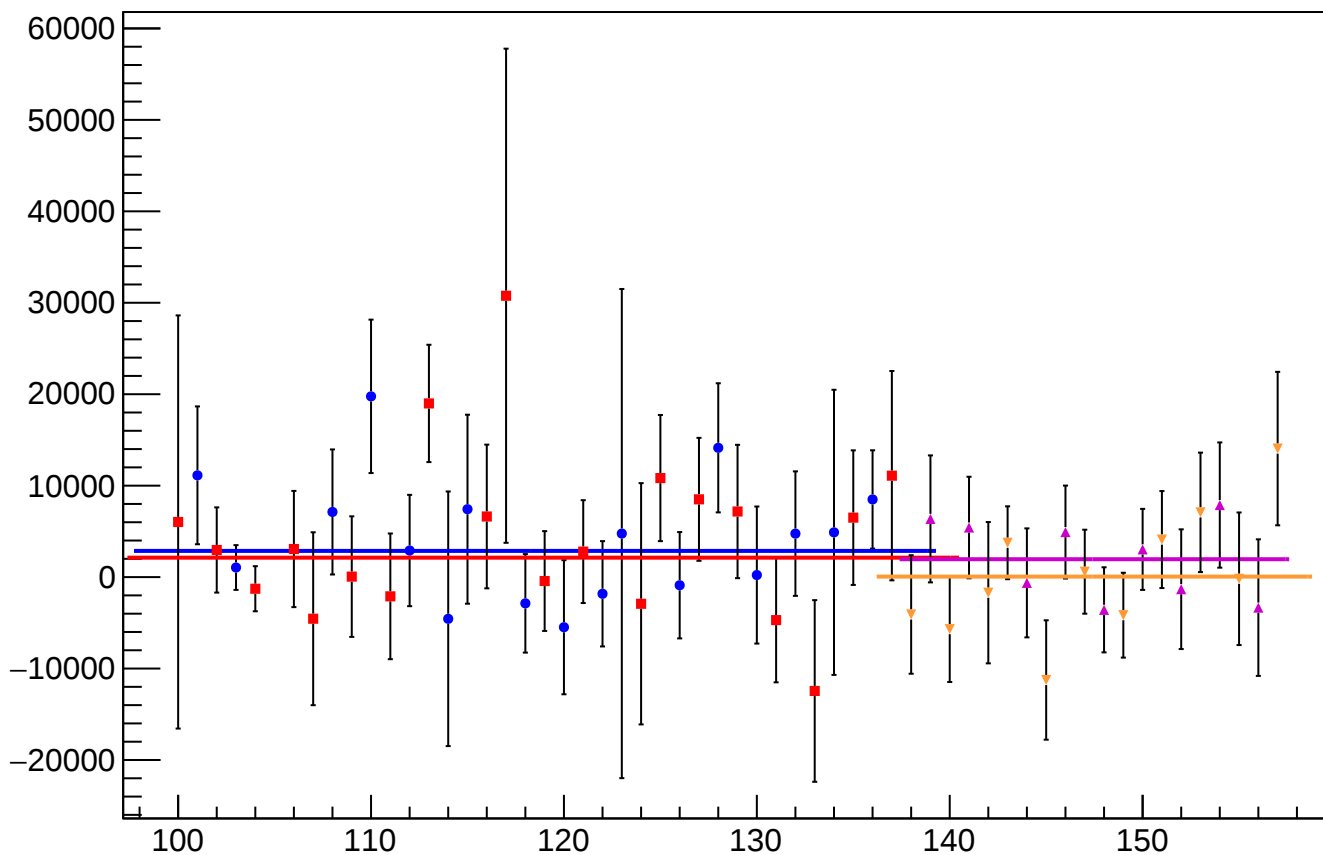
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: 56.641+/-1707.398 χ^2/NDF : 10.7/10

Right Out: 2126.105+/-1379.774 χ^2/NDF : 18.8/19

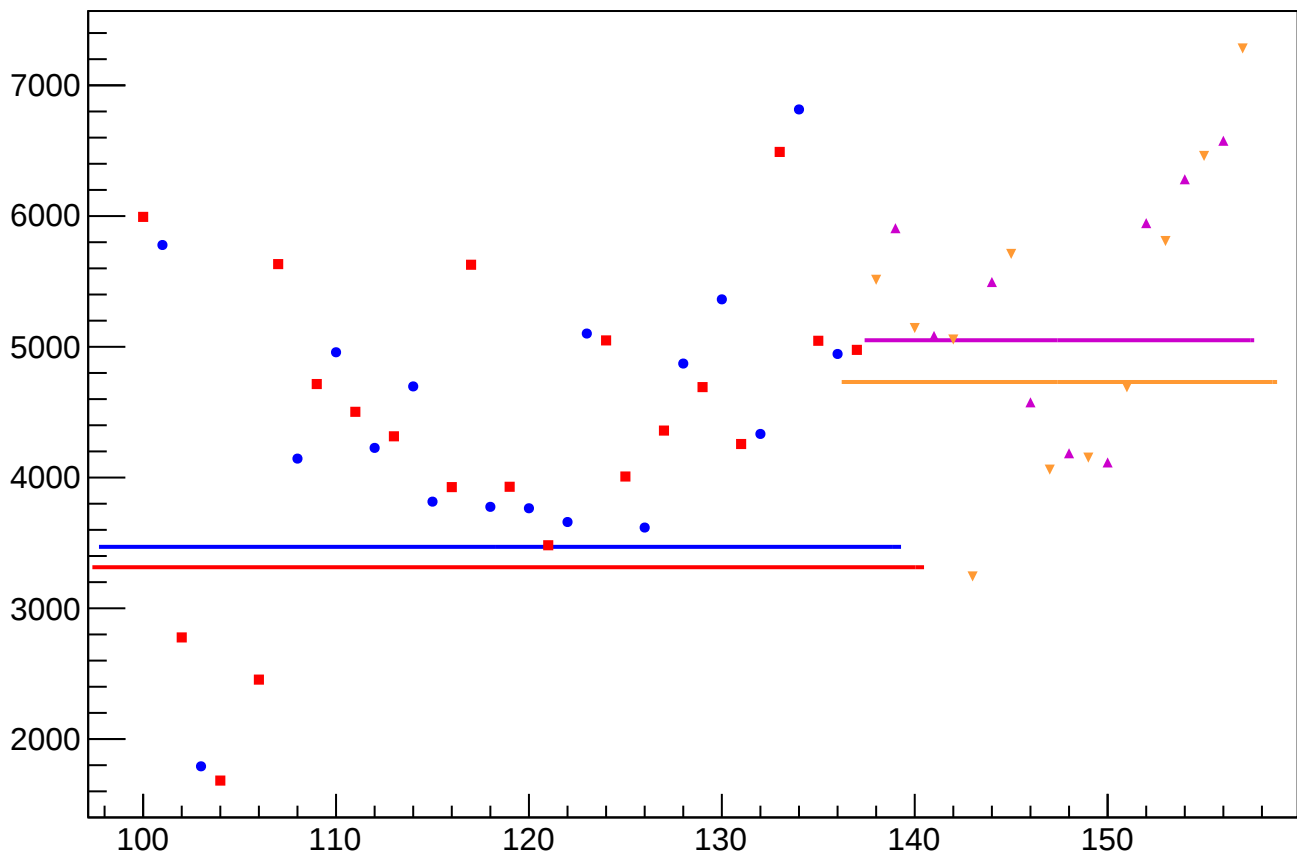
Left In: 1956.374+/-1890.462 χ^2/NDF : 4.3/8

1685.615+/-1106.399 χ^2/NDF : 26.3/27

1874.973+/-785.190 χ^2/NDF : 49.5/56

2067.114+/-1114.499 χ^2/NDF : 23.1/28

asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



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

Left Out: 4730.962+/-1.207 χ^2/NDF : 793462.8/10

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

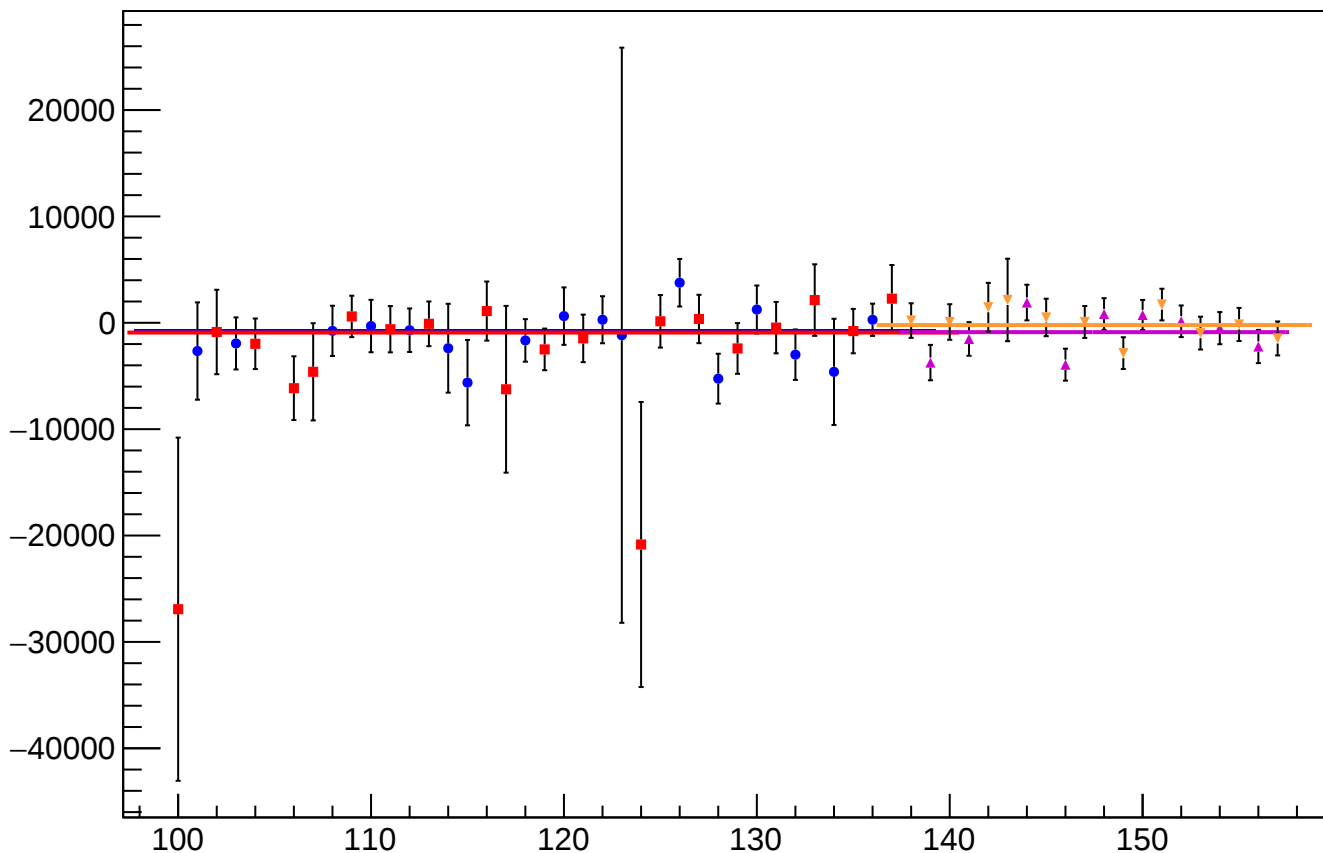
Left In: 5050.287+/-1.337 χ^2/NDF : 402839.8/8

3999.497+/-0.782 χ^2/NDF : 3187086.5/27

3955.001+/-0.554 χ^2/NDF : 6629371.6/56

3910.387+/-0.783 χ^2/NDF : 3435806.6/28

reg_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: -214.327+/-507.267 χ^2/NDF : 6.9/10

Right Out: -915.893+/-593.346 χ^2/NDF : 14.0/19

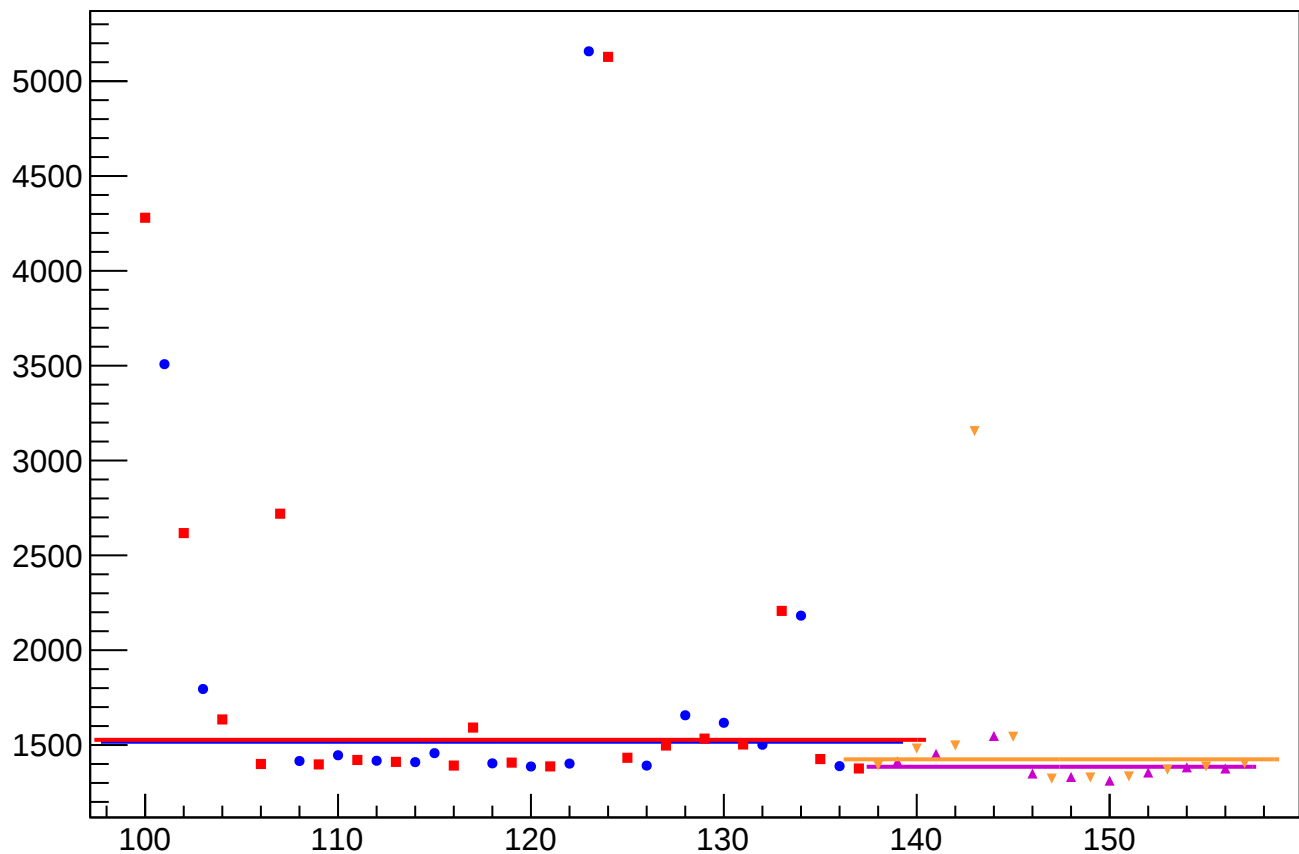
Left In: -878.569+/-512.062 χ^2/NDF : 13.9/8

-444.773+/-388.364 χ^2/NDF : 20.7/27

-670.045+/-274.366 χ^2/NDF : 49.2/56

-894.501+/-387.661 χ^2/NDF : 27.9/28

reg_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1424.534+/-0.359 χ^2/NDF : 441750.1/10

Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

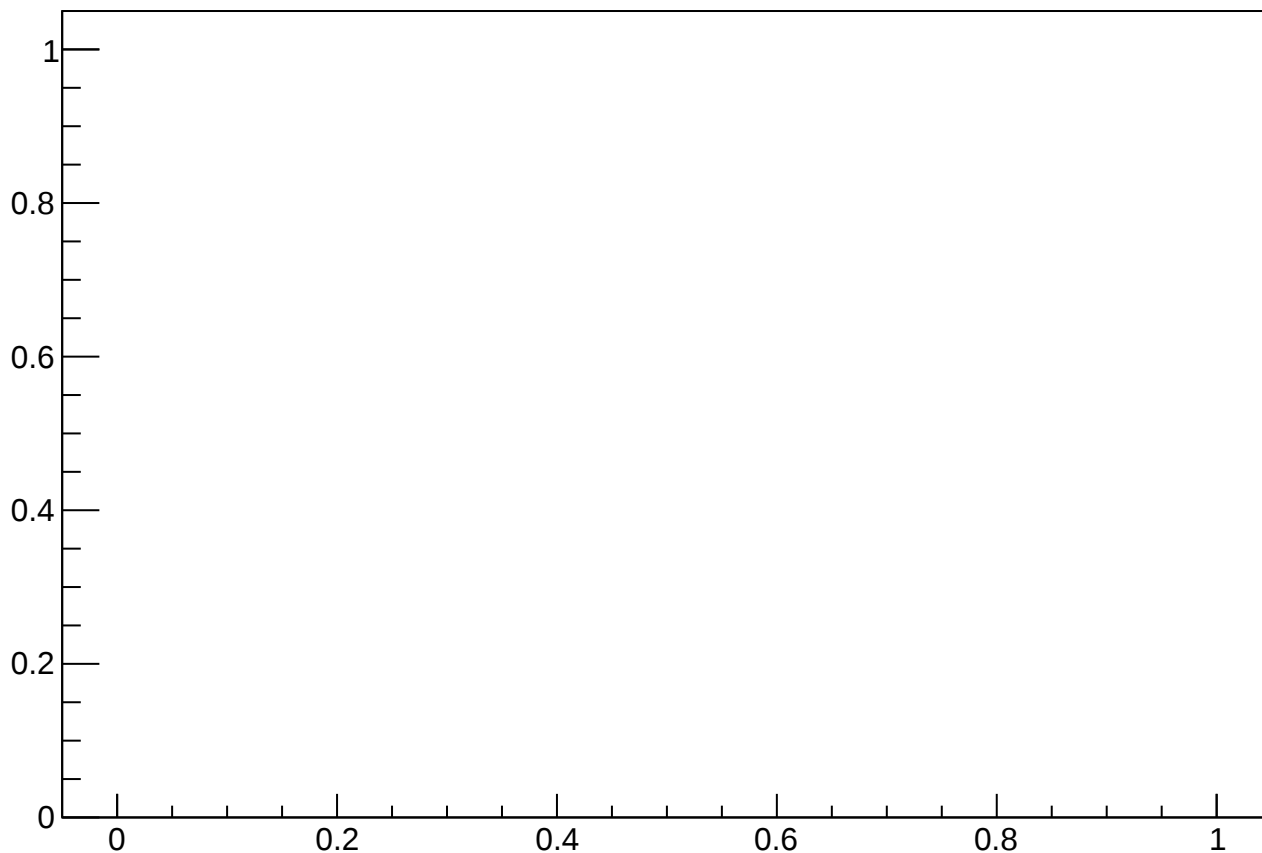
Left In: 1385.305+/-0.362 χ^2/NDF : 33019.8/8

1462.940+/-0.275 χ^2/NDF : 1006114.4/27

1454.430+/-0.194 χ^2/NDF : 1738591.7/56

1445.951+/-0.274 χ^2/NDF : 730560.2/28

asym_atl_avg_atr_avg_dd_correction_mean vs Slug, Sign Corrected



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

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

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

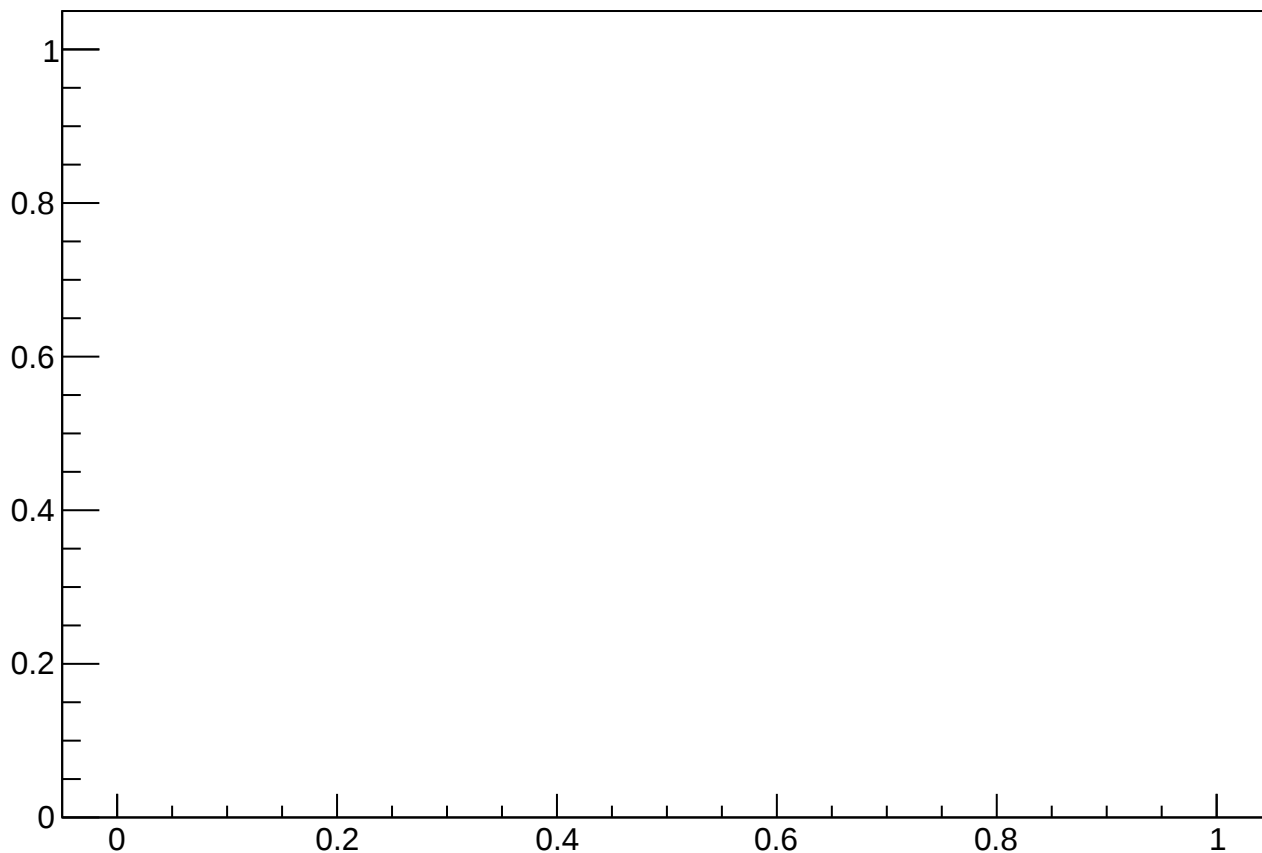
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug, Sign Corrected



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

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

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

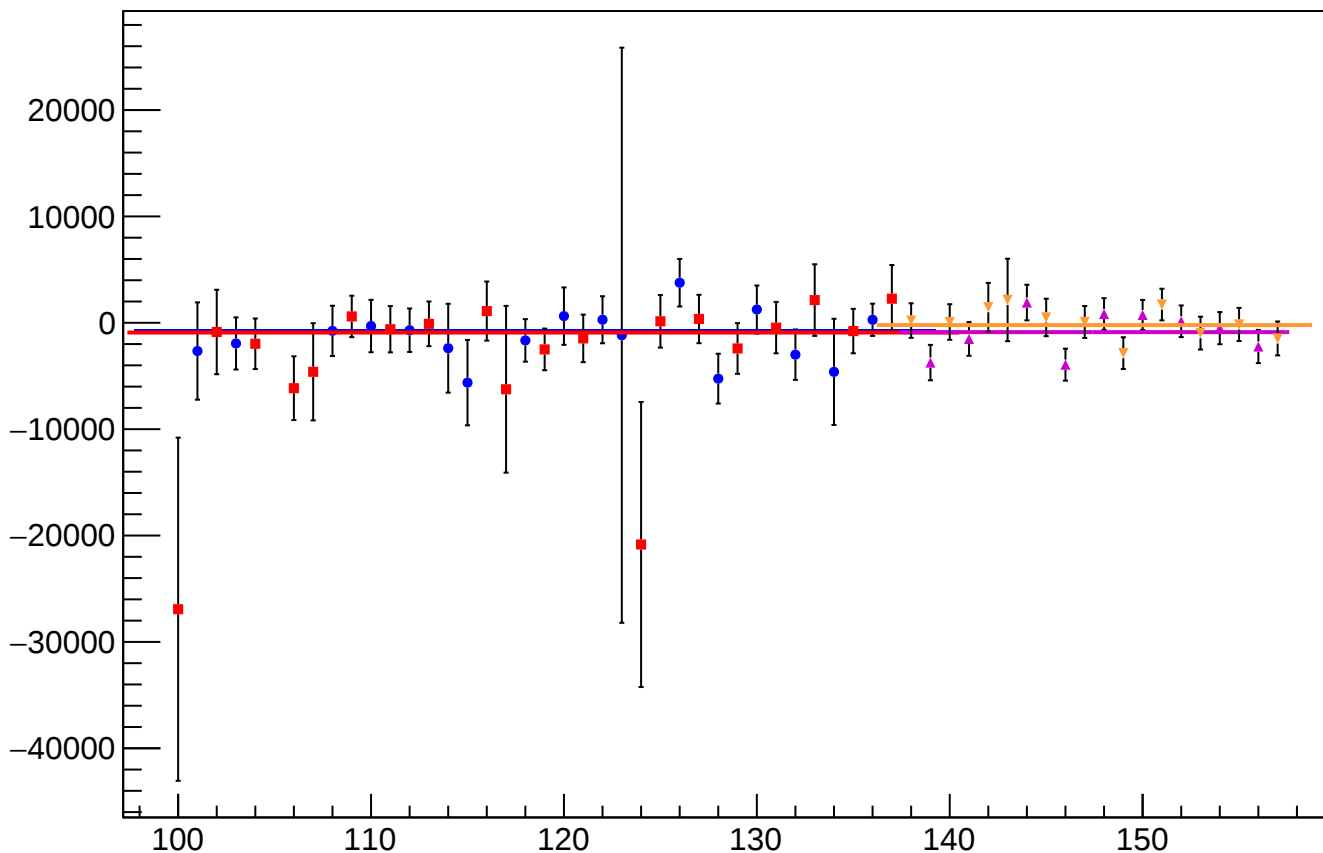
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: -214.327+/-507.267 χ^2/NDF : 6.9/10

Right Out: -915.893+/-593.346 χ^2/NDF : 14.0/19

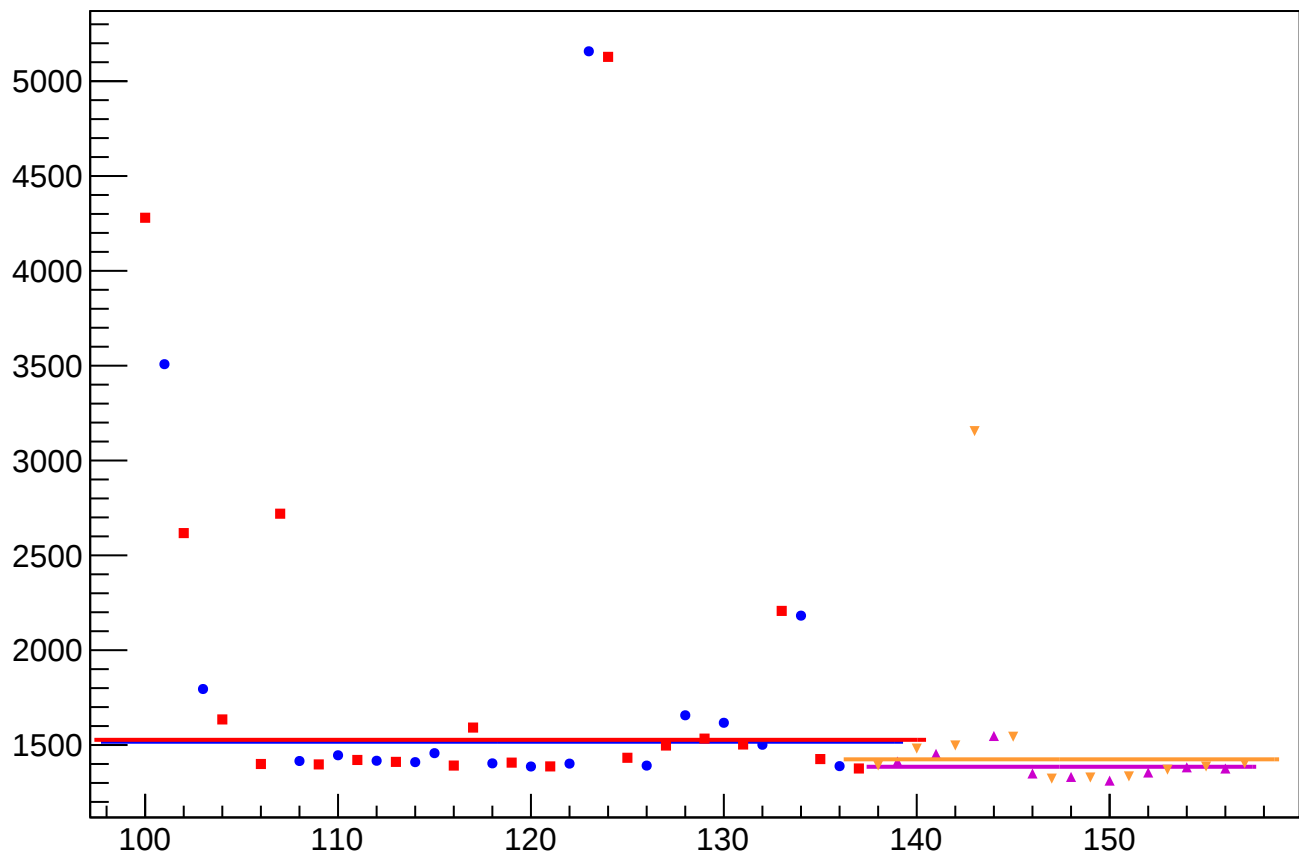
Left In: -878.569+/-512.062 χ^2/NDF : 13.9/8

-444.773+/-388.364 χ^2/NDF : 20.7/27

-670.045+/-274.366 χ^2/NDF : 49.2/56

-894.501+/-387.661 χ^2/NDF : 27.9/28

asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



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Left Out: 1424.534+/-0.359 χ^2/NDF : 441750.1/10

Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

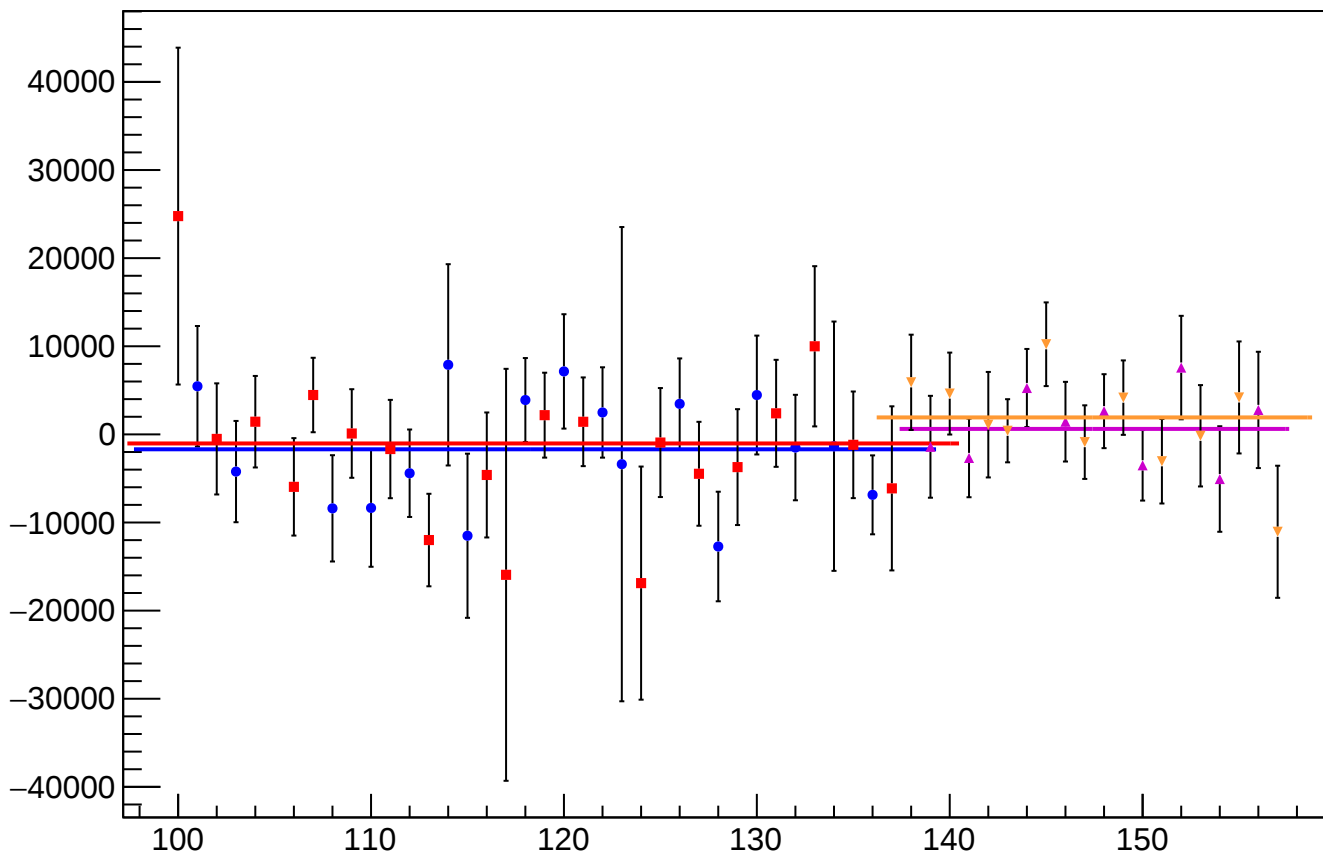
Left In: 1385.305+/-0.362 χ^2/NDF : 33019.8/8

1462.940+/-0.275 χ^2/NDF : 1006114.4/27

1454.430+/-0.194 χ^2/NDF : 1738591.7/56

1445.951+/-0.274 χ^2/NDF : 730560.2/28

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: 1924.665 $\pm$ 1473.845 χ^2 /NDF: 9.2/10

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

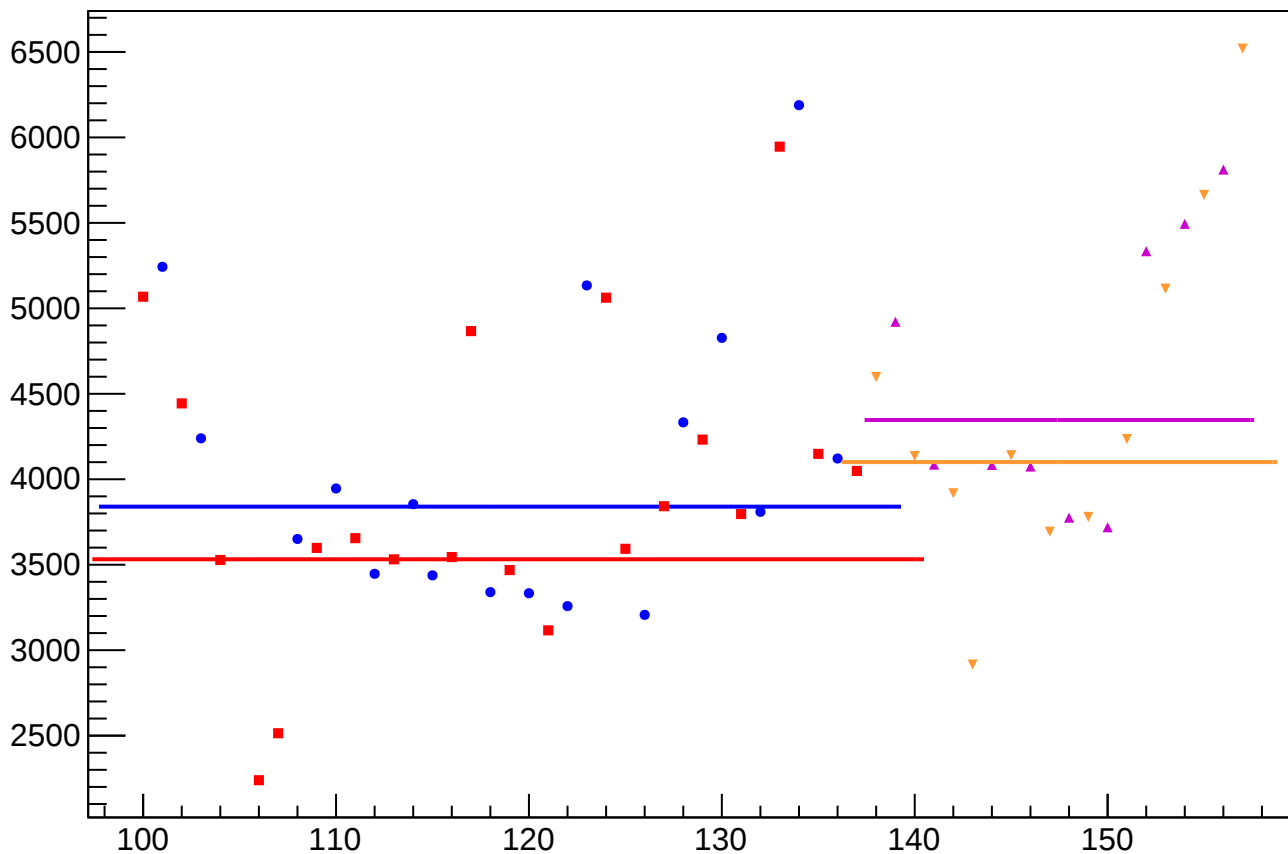
Left In: 620.448 $\pm$ 1624.103 χ^2 /NDF: 5.5/8

163.365 $\pm$ 1055.715 χ^2 /NDF: 28.0/27

-89.627 $\pm$ 744.500 χ^2 /NDF: 48.5/56

-339.922 $\pm$ 1050.072 χ^2 /NDF: 20.4/28

reg_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 4100.640+/-1.042 χ^2/NDF : 661451.5/10

Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

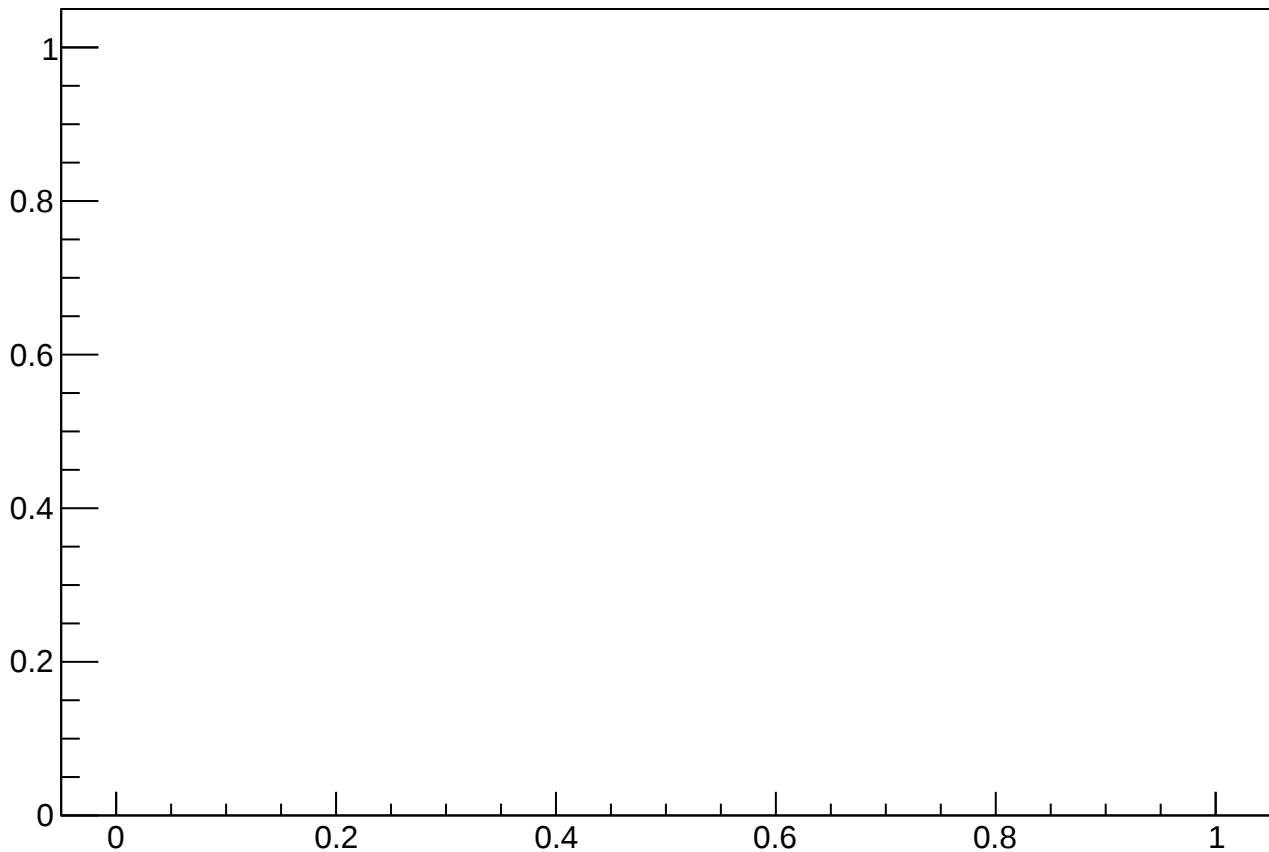
Left In: 4346.878+/-1.148 χ^2/NDF : 355753.6/8

3973.606+/-0.746 χ^2/NDF : 1017924.7/27

3920.732+/-0.525 χ^2/NDF : 2240261.9/56

3868.975+/-0.739 χ^2/NDF : 1212409.6/28

asym_atl_dd_atr_dd_avg_correction_mean vs Slug, Sign Corrected



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

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

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

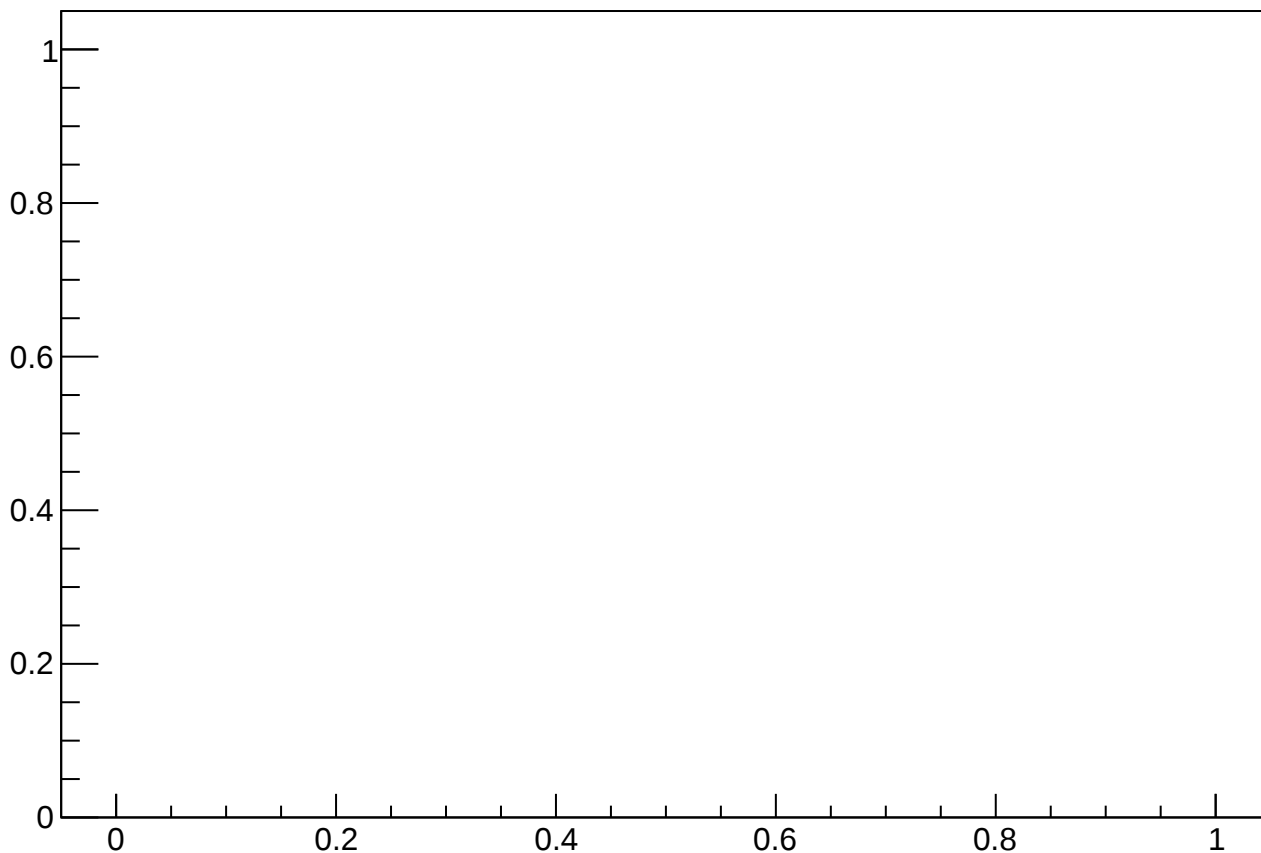
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug, Sign Corrected



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

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

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

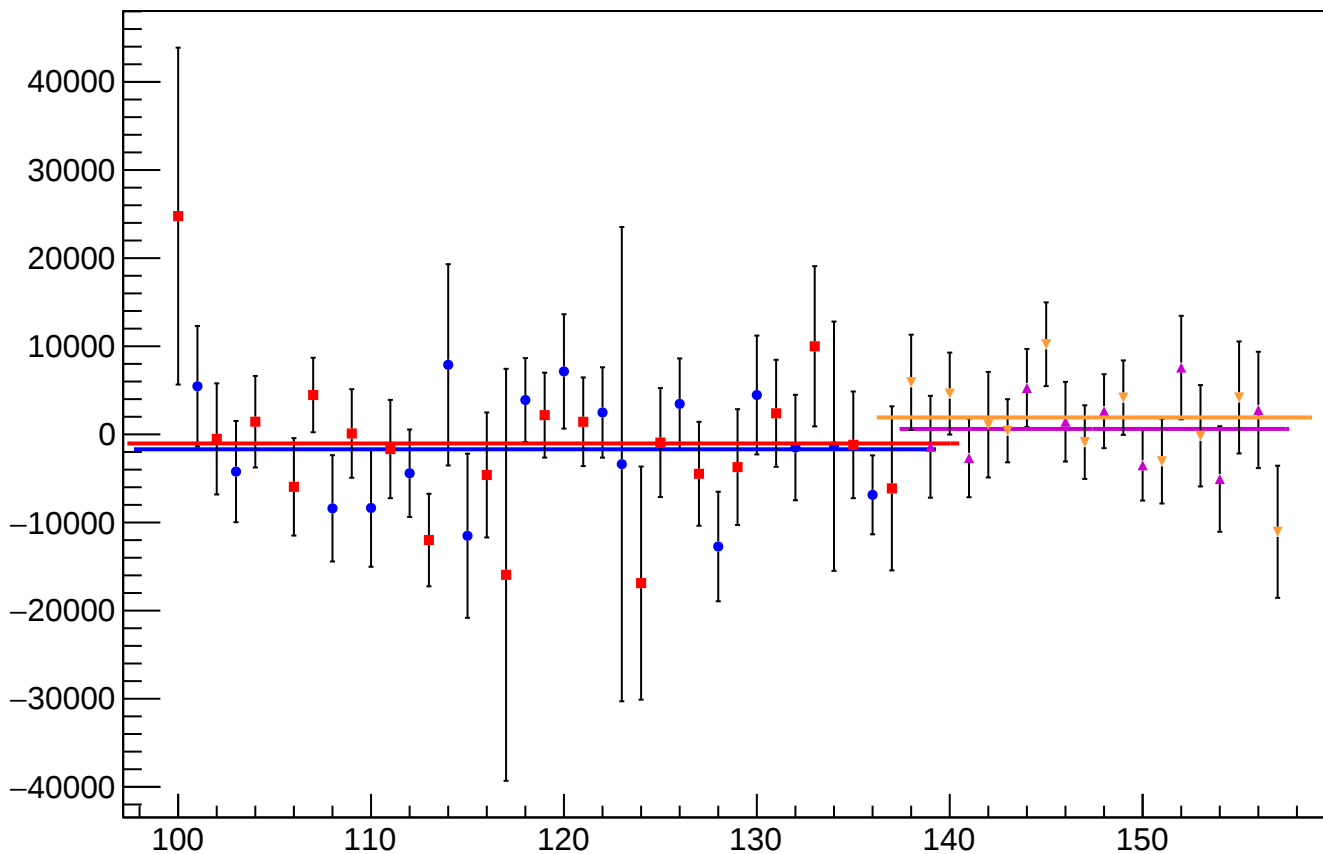
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1692.604 +/- 1512.935 χ^2/NDF : 15.8/16

Left Out: 1924.665 +/- 1473.845 χ^2/NDF : 9.2/10

Right Out: -1029.768 +/- 1376.481 χ^2/NDF : 14.3/19

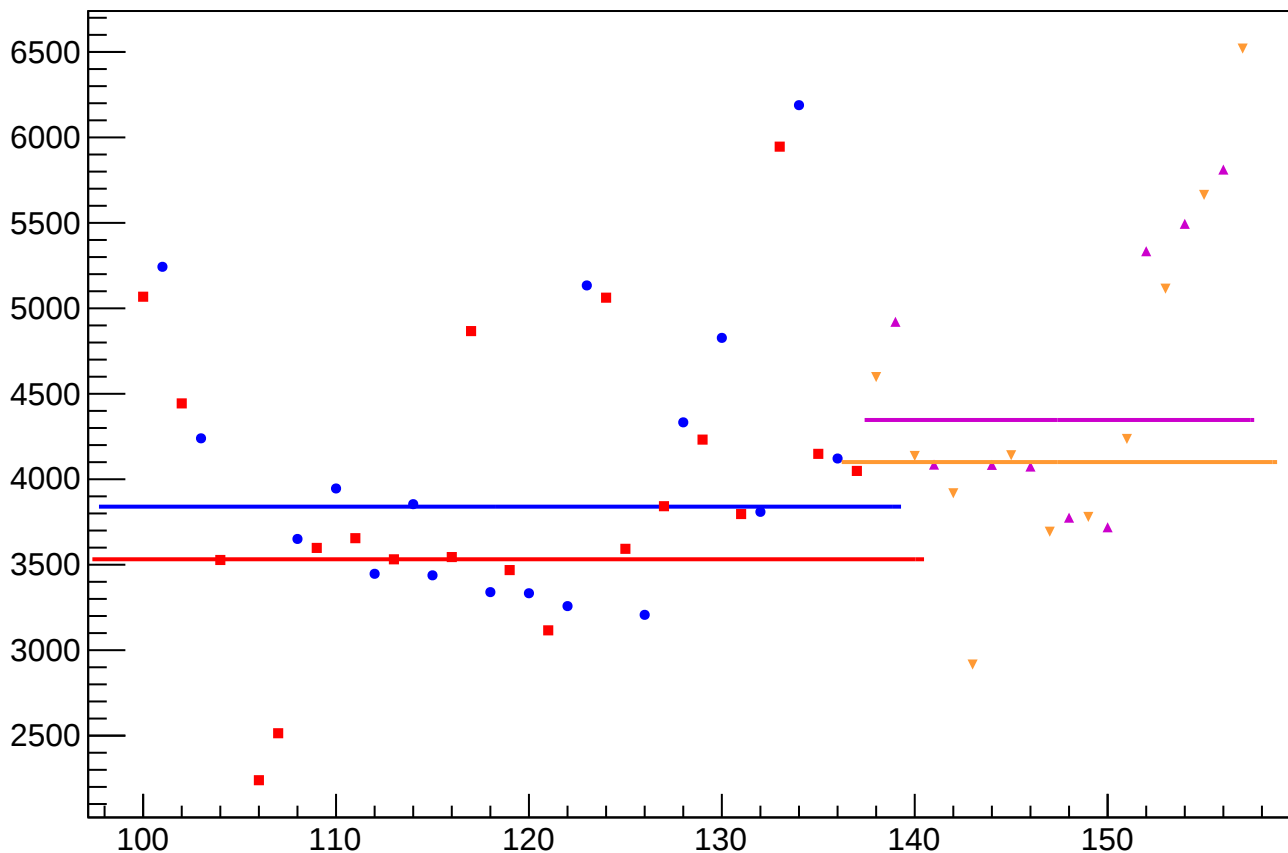
Left In: 620.448 +/- 1624.103 χ^2/NDF : 5.5/8

163.365 +/- 1055.715 χ^2/NDF : 28.0/27

-89.627 +/- 744.500 χ^2/NDF : 48.5/56

-339.922 +/- 1050.072 χ^2/NDF : 20.4/28

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 4100.640+/-1.042 χ^2/NDF : 661451.5/10

Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

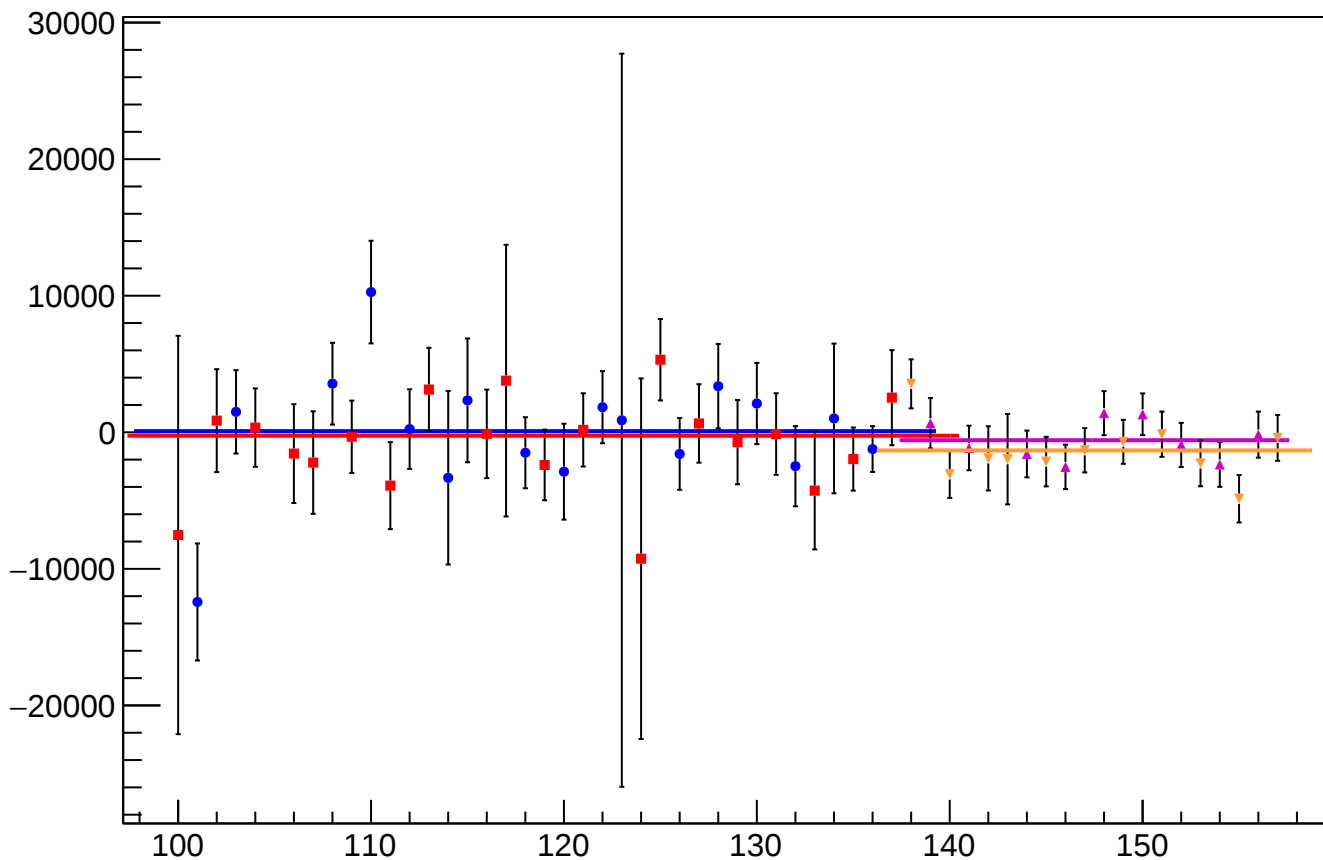
Left In: 4346.878+/-1.148 χ^2/NDF : 355753.6/8

3973.606+/-0.746 χ^2/NDF : 1017924.7/27

3920.732+/-0.525 χ^2/NDF : 2240261.9/56

3868.975+/-0.739 χ^2/NDF : 1212409.6/28

reg_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 83.860 $\pm$ 750.549 χ^2 /NDF: 22.9/16

Left Out: -1326.635 $\pm$ 542.624 χ^2 /NDF:14.2/10

Right Out: -250.743 $\pm$ 732.124 χ^2 /NDF: 10.3/19

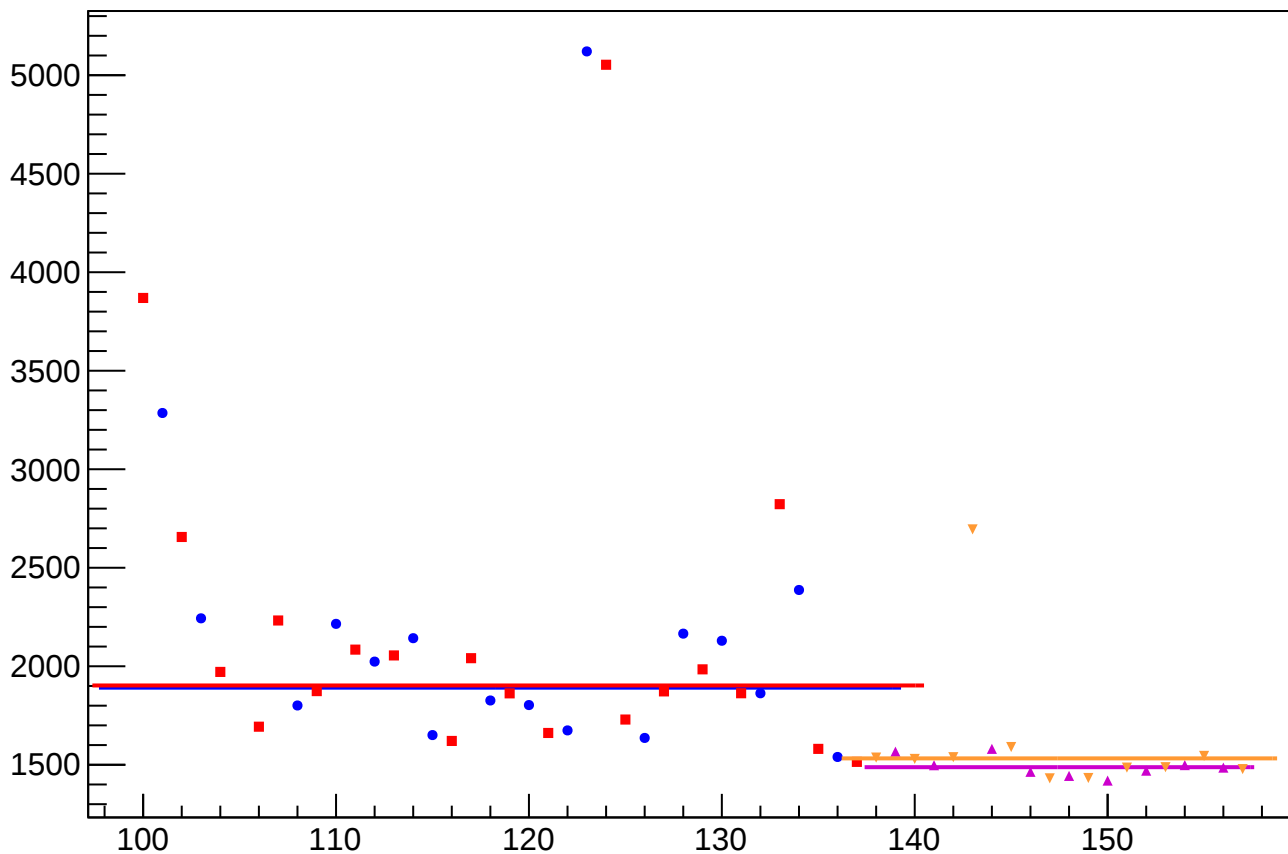
Left In: -580.328 $\pm$ 549.496 χ^2 /NDF:6.7/8

-842.461 $\pm$ 439.738 χ^2 /NDF: 39.4/27

-651.902 $\pm$ 310.851 χ^2 /NDF: 56.9/56

-461.566 $\pm$ 439.481 χ^2 /NDF: 17.2/28

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: 1532.456+/-0.384 χ^2/NDF : 269159.9/10

Right Out: 1902.551+/-0.518 χ^2/NDF : 461077.0/19

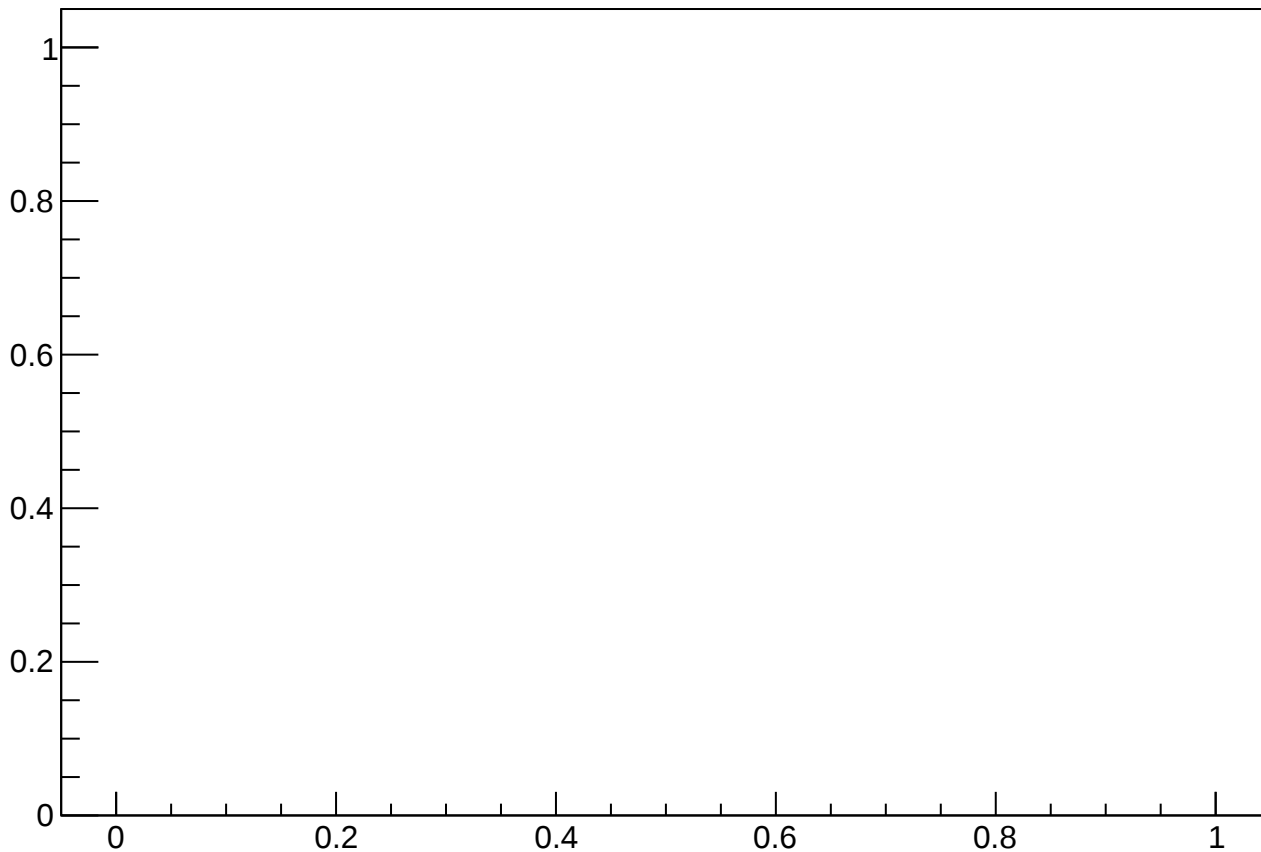
Left In: 1487.817+/-0.389 χ^2/NDF : 15868.6/8

1655.702+/-0.311 χ^2/NDF : 1034225.4/27

1646.478+/-0.220 χ^2/NDF : 1923473.2/56

1637.265+/-0.311 χ^2/NDF : 887488.8/28

asym_atl_dd_atr_dd_dd_correction_mean vs Slug, Sign Corrected



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

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

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

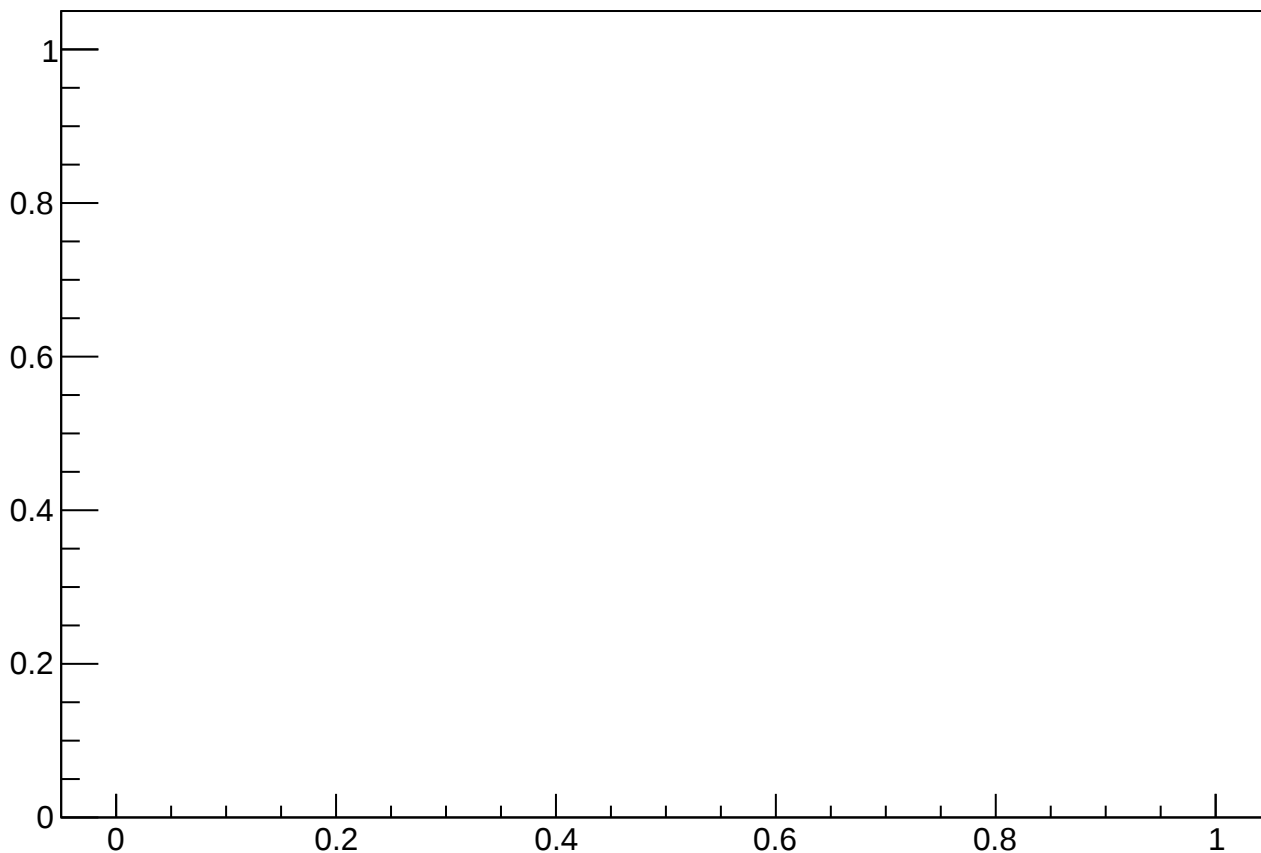
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug, Sign Corrected



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

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

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

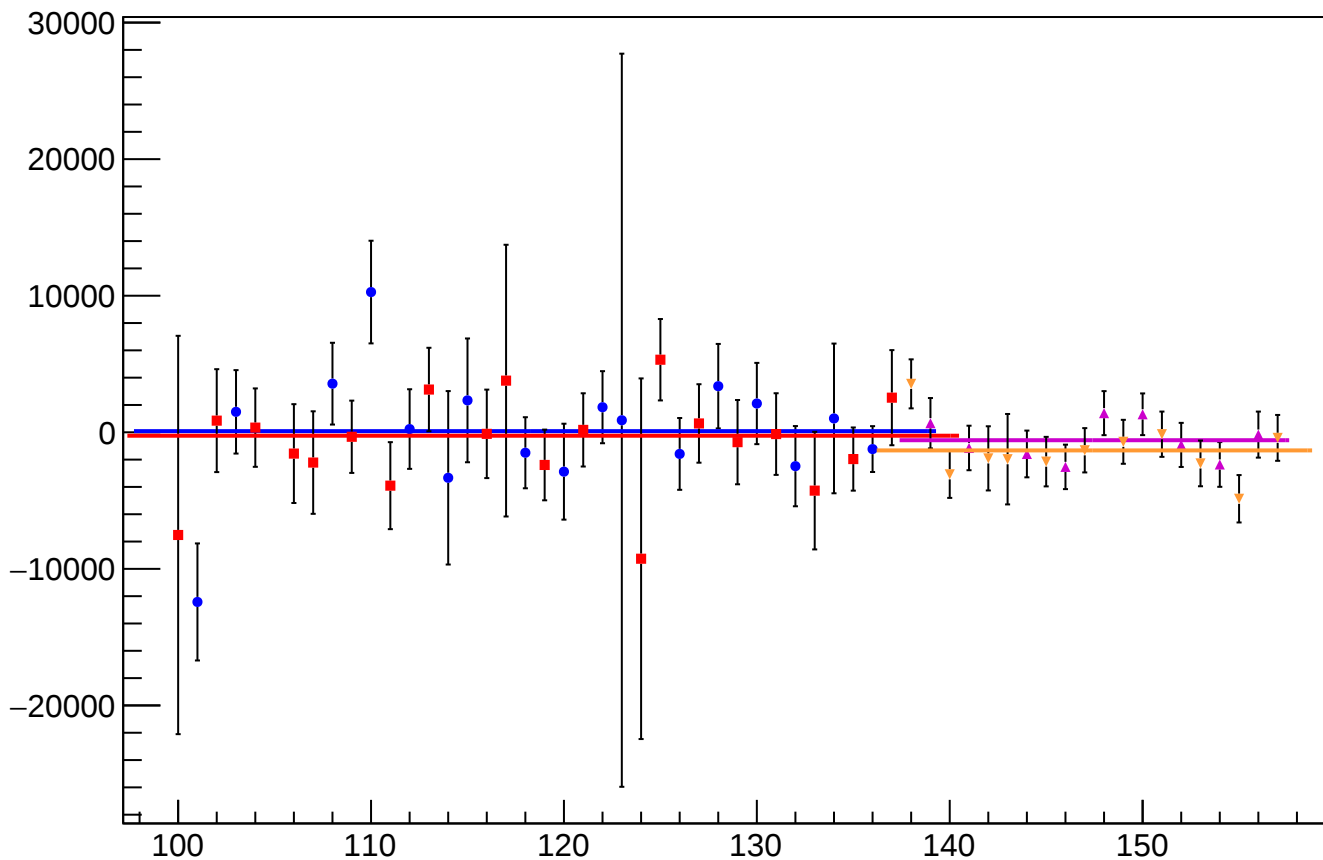
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 83.860+/-750.549 χ^2/NDF : 22.9/16

Left Out: -1326.635+/-542.624 χ^2/NDF :14.2/10

Right Out: -250.743+/-732.124 χ^2/NDF : 10.3/19

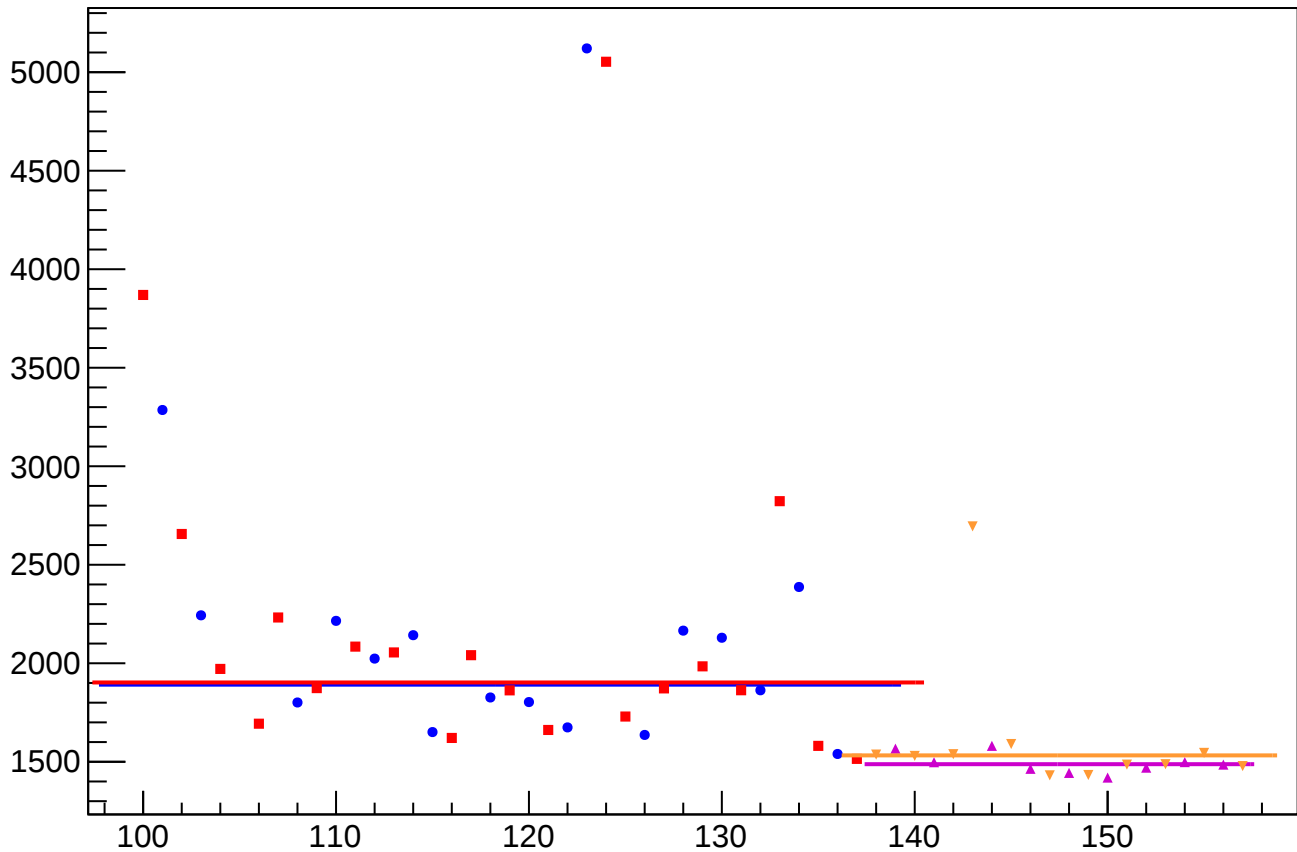
Left In: -580.328+/-549.496 χ^2/NDF :6.7/8

-842.461+/-439.738 χ^2/NDF : 39.4/27

-651.902+/-310.851 χ^2/NDF : 56.9/56

-461.566+/-439.481 χ^2/NDF : 17.2/28

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1891.492 ± 0.531 $\chi^2/\text{NDF}: 464497.5/16$

Left Out: 1532.456 ± 0.384 $\chi^2/\text{NDF}: 269159.9/10$

Right Out: 1902.551 ± 0.518 $\chi^2/\text{NDF}: 461077.0/19$

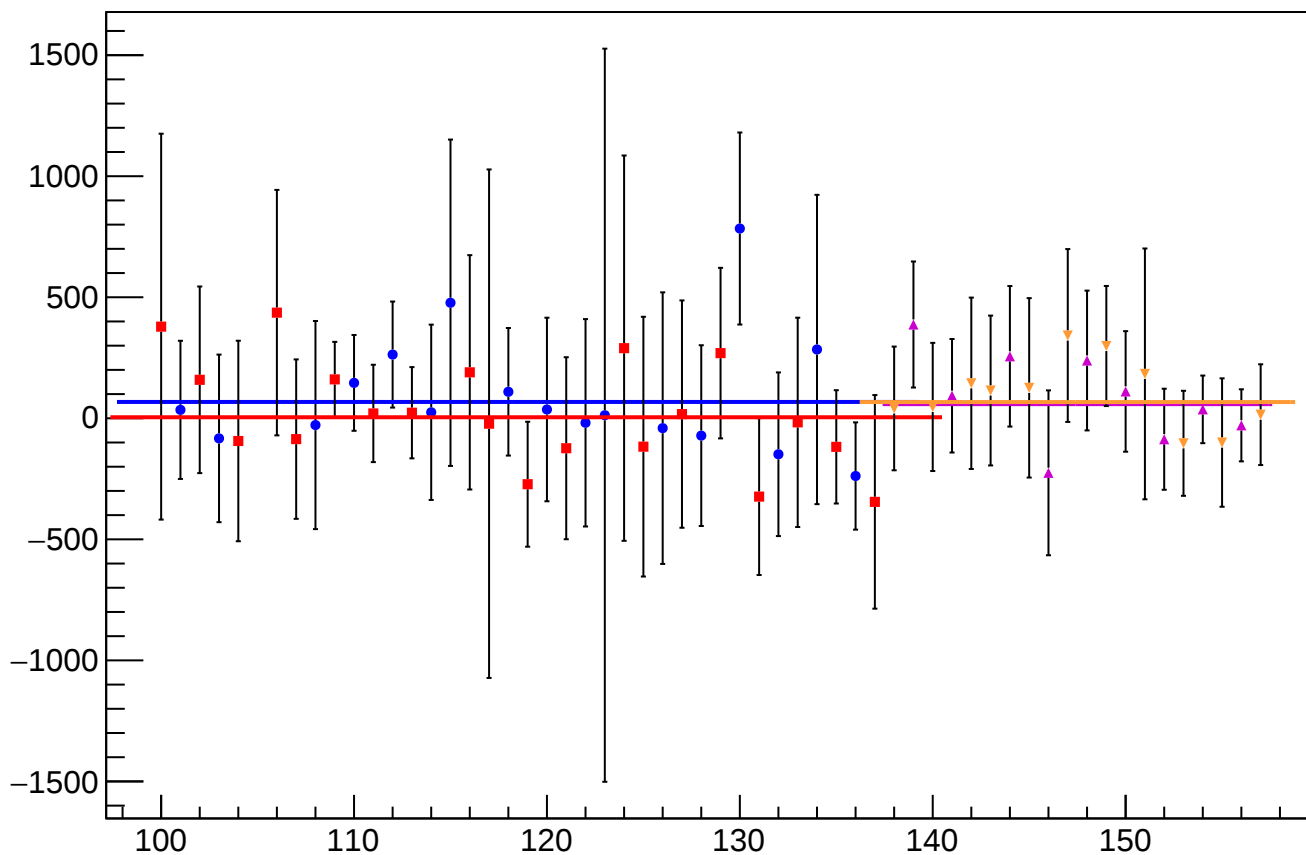
Left In: 1487.817 ± 0.389 $\chi^2/\text{NDF}: 15868.6/8$

1655.702 ± 0.311 $\chi^2/\text{NDF}: 1034225.4/27$

1646.478 ± 0.220 $\chi^2/\text{NDF}: 1923473.2/56$

1637.265 ± 0.311 $\chi^2/\text{NDF}: 887488.8/28$

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 67.094 $\pm$ 84.014 χ^2 /NDF: 2.7/10

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

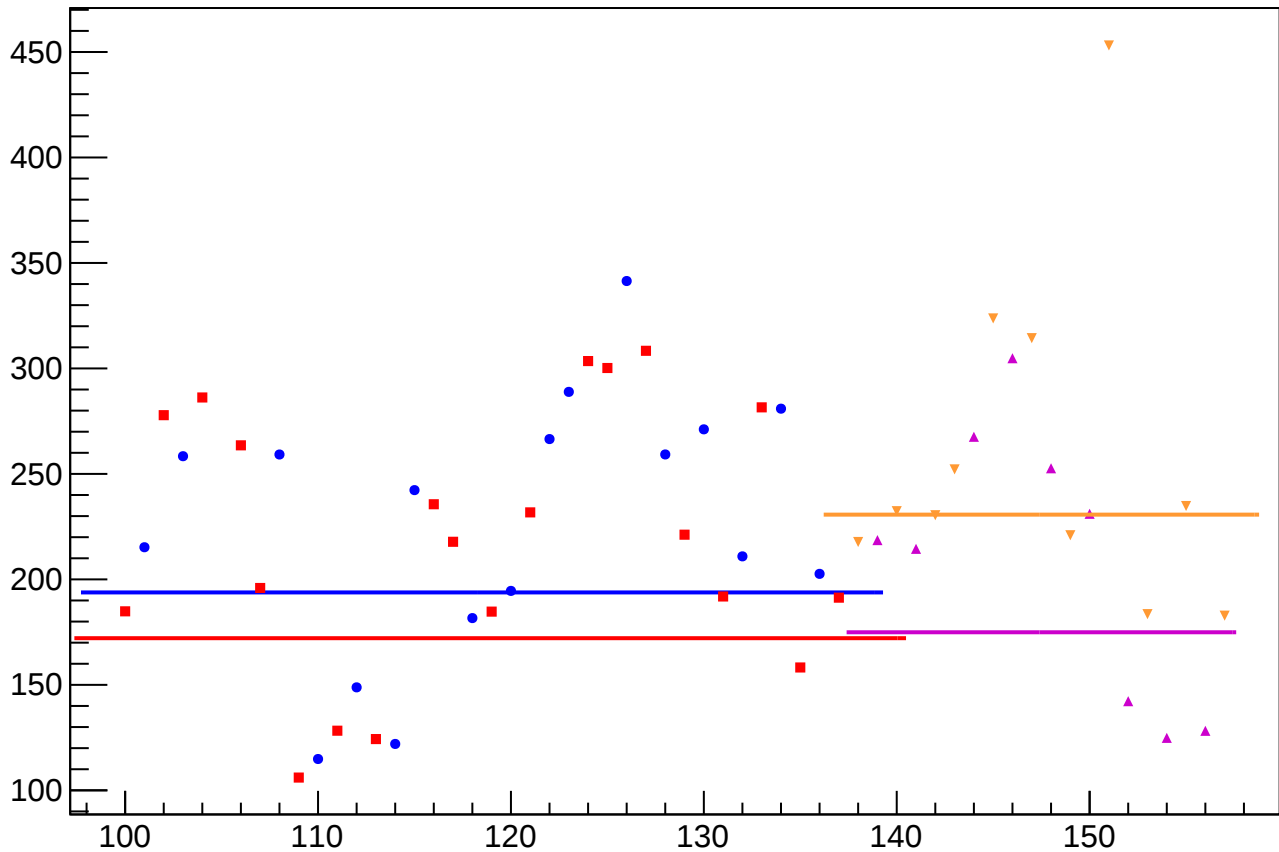
Left In: 58.508 $\pm$ 70.554 χ^2 /NDF: 4.1/8

67.330 $\pm$ 57.786 χ^2 /NDF: 10.2/27

46.504 $\pm$ 37.654 χ^2 /NDF: 21.2/56

31.136 $\pm$ 49.640 χ^2 /NDF: 10.7/28

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 230.693 $\pm$ 0.059 χ^2/NDF : 823433.3/10

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

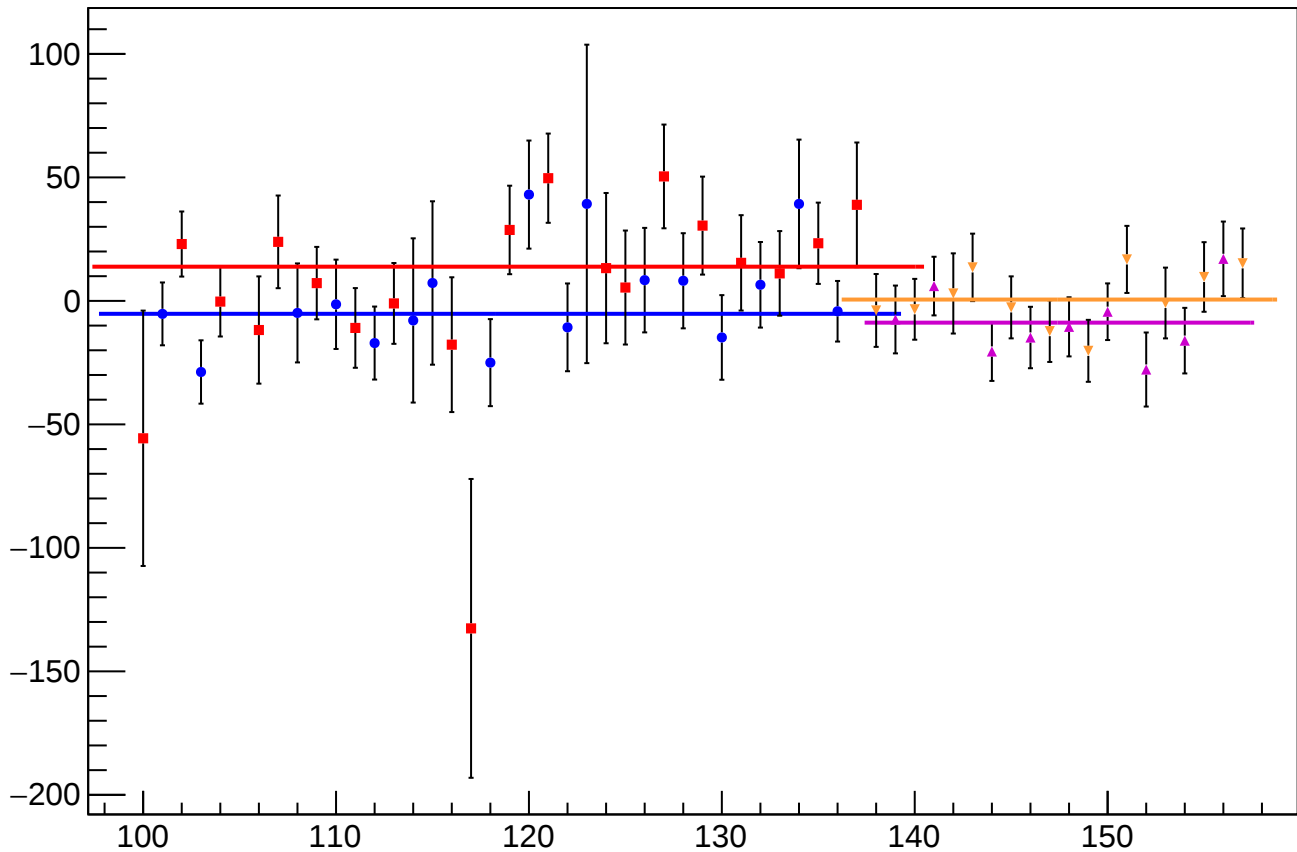
Left In: 174.928 $\pm$ 0.050 χ^2/NDF : 1357563.1/8

211.262 $\pm$ 0.041 χ^2/NDF : 2036800.0/27

189.541 $\pm$ 0.027 χ^2/NDF : 5467951.1/56

173.512 $\pm$ 0.035 χ^2/NDF : 2940039.7/28

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.231 ± 4.356 $\chi^2/\text{NDF}: 15.5/16$

Left Out: 0.543 ± 4.089 $\chi^2/\text{NDF}: 7.9/10$

Right Out: 13.851 ± 4.255 $\chi^2/\text{NDF}: 25.4/19$

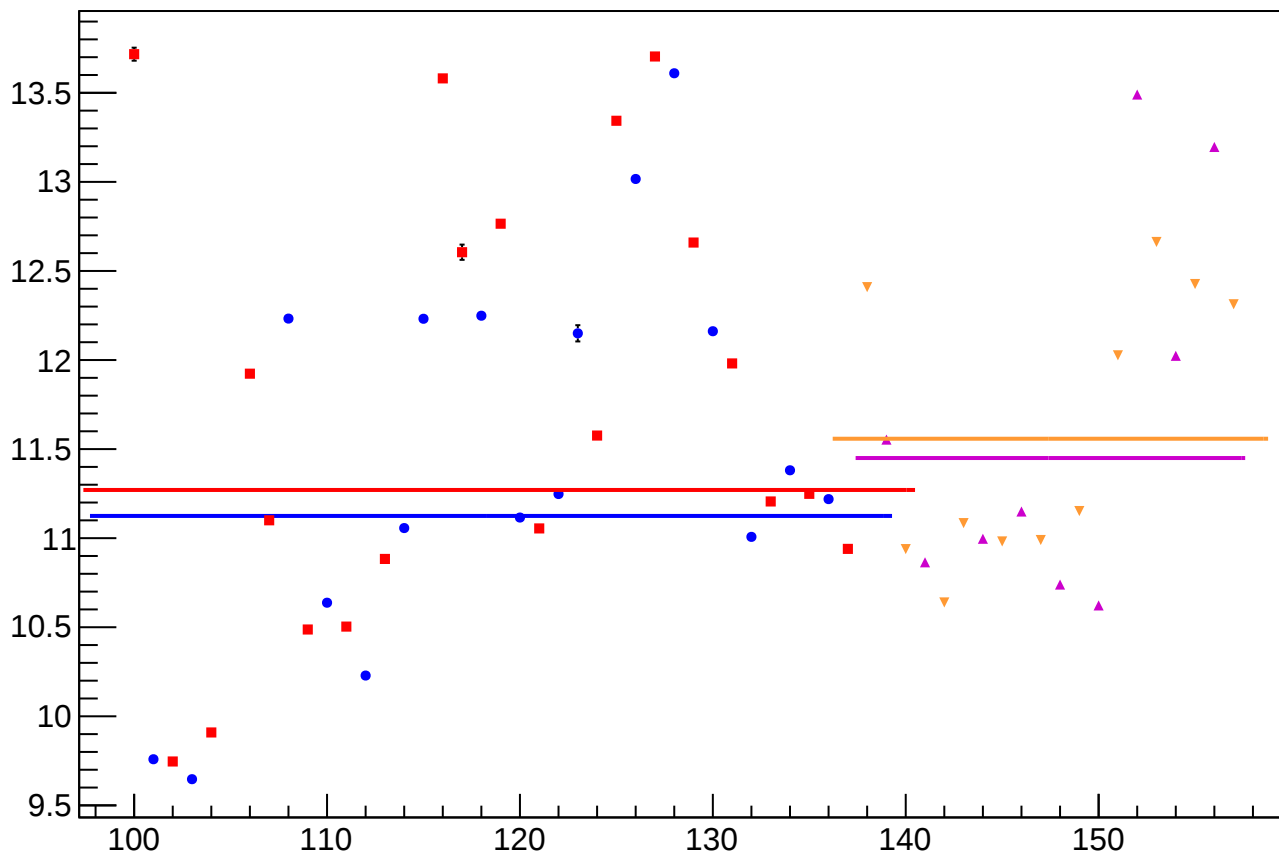
Left In: -8.810 ± 4.264 $\chi^2/\text{NDF}: 7.8/8$

-2.161 ± 2.981 $\chi^2/\text{NDF}: 24.4/27$

0.168 ± 2.119 $\chi^2/\text{NDF}: 72.9/56$

2.546 ± 3.012 $\chi^2/\text{NDF}: 47.3/28$

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 11.125 $\pm$ 0.003 χ^2 /NDF: 132520.1/16

Left Out: 11.558 $\pm$ 0.003 χ^2 /NDF: 58586.3/10

Right Out: 11.271 $\pm$ 0.003 χ^2 /NDF: 148711.4/19

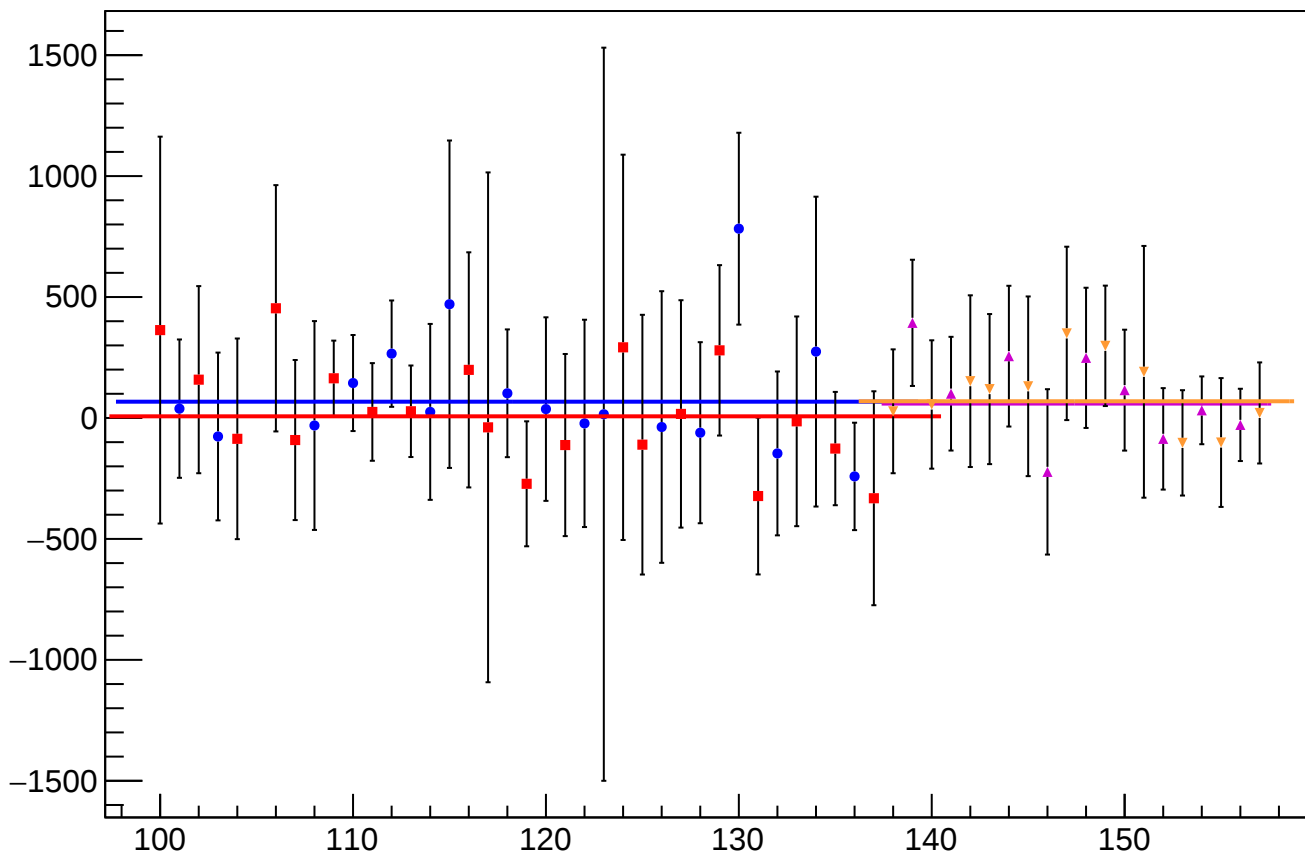
Left In: 11.450 $\pm$ 0.003 χ^2 /NDF: 94022.9/8

11.355 $\pm$ 0.002 χ^2 /NDF: 201632.1/27

11.358 $\pm$ 0.001 χ^2 /NDF: 446140.7/56

11.360 $\pm$ 0.002 χ^2 /NDF: 244506.1/28

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.305+/-79.817 χ^2/NDF : 7.5/16

Left Out: 69.103+/-84.291 χ^2/NDF : 2.7/10

Right Out: 6.837+/-70.057 χ^2/NDF : 6.4/19

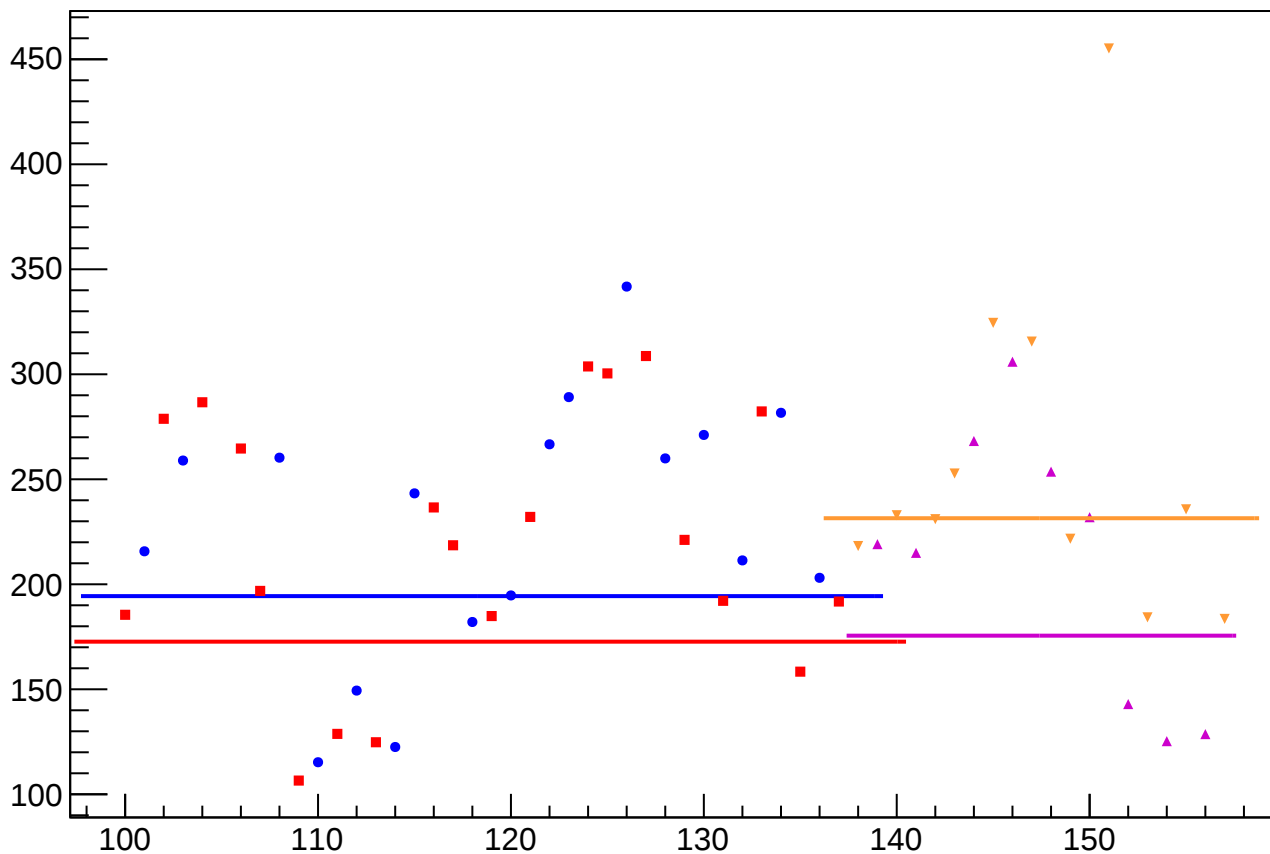
Left In: 59.503+/-70.794 χ^2/NDF : 4.1/8

68.155+/-57.956 χ^2/NDF : 10.2/27

47.869+/-37.770 χ^2/NDF : 21.3/56

32.894+/-49.796 χ^2/NDF : 10.9/28

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 231.456 $\pm$ 0.060 χ^2 /NDF: 822893.2/10

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

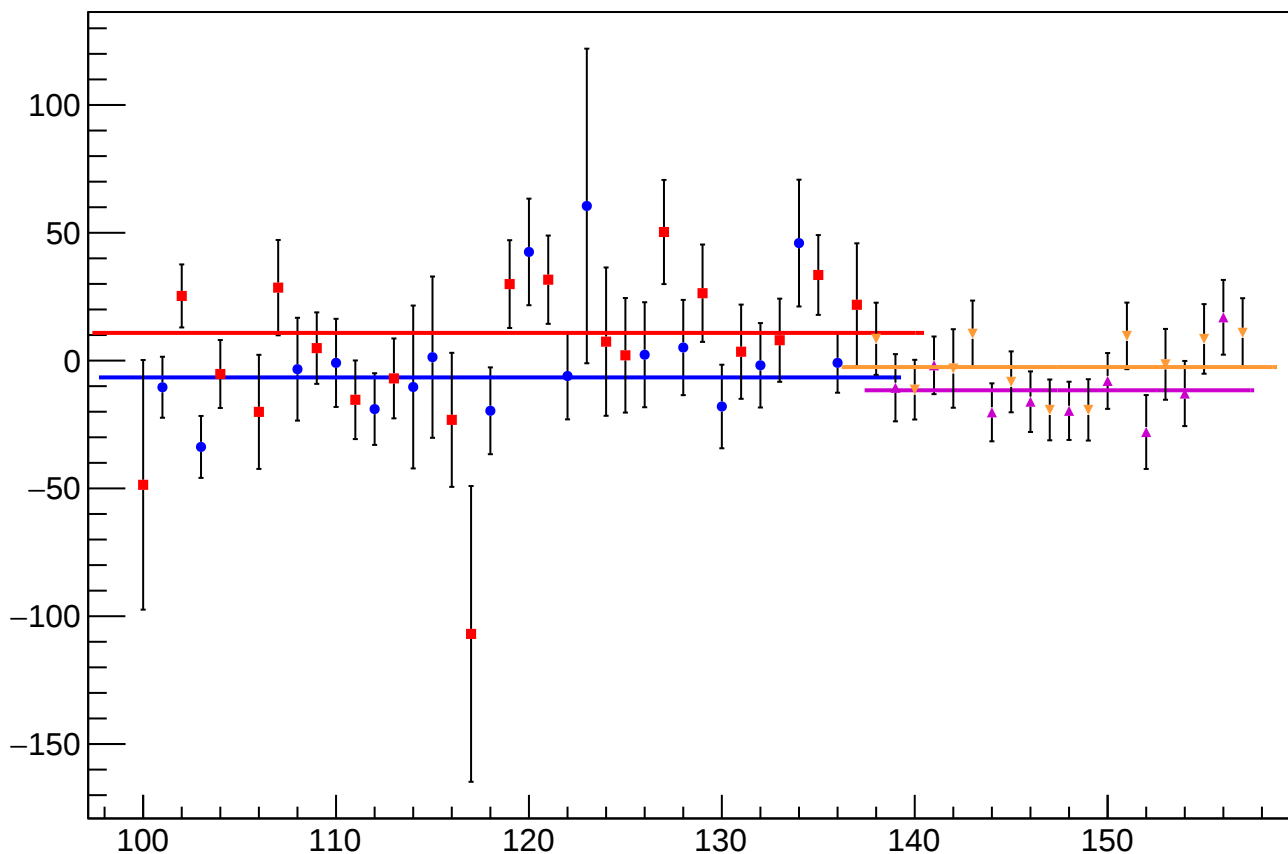
Left In: 175.534 $\pm$ 0.050 χ^2 /NDF: 1355656.0/8

211.900 $\pm$ 0.041 χ^2 /NDF: 2032304.7/27

190.148 $\pm$ 0.027 χ^2 /NDF: 5452791.4/56

174.090 $\pm$ 0.035 χ^2 /NDF: 2930762.8/28

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: -2.530 ± 3.906 $\chi^2/\text{NDF}: 8.9/10$

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

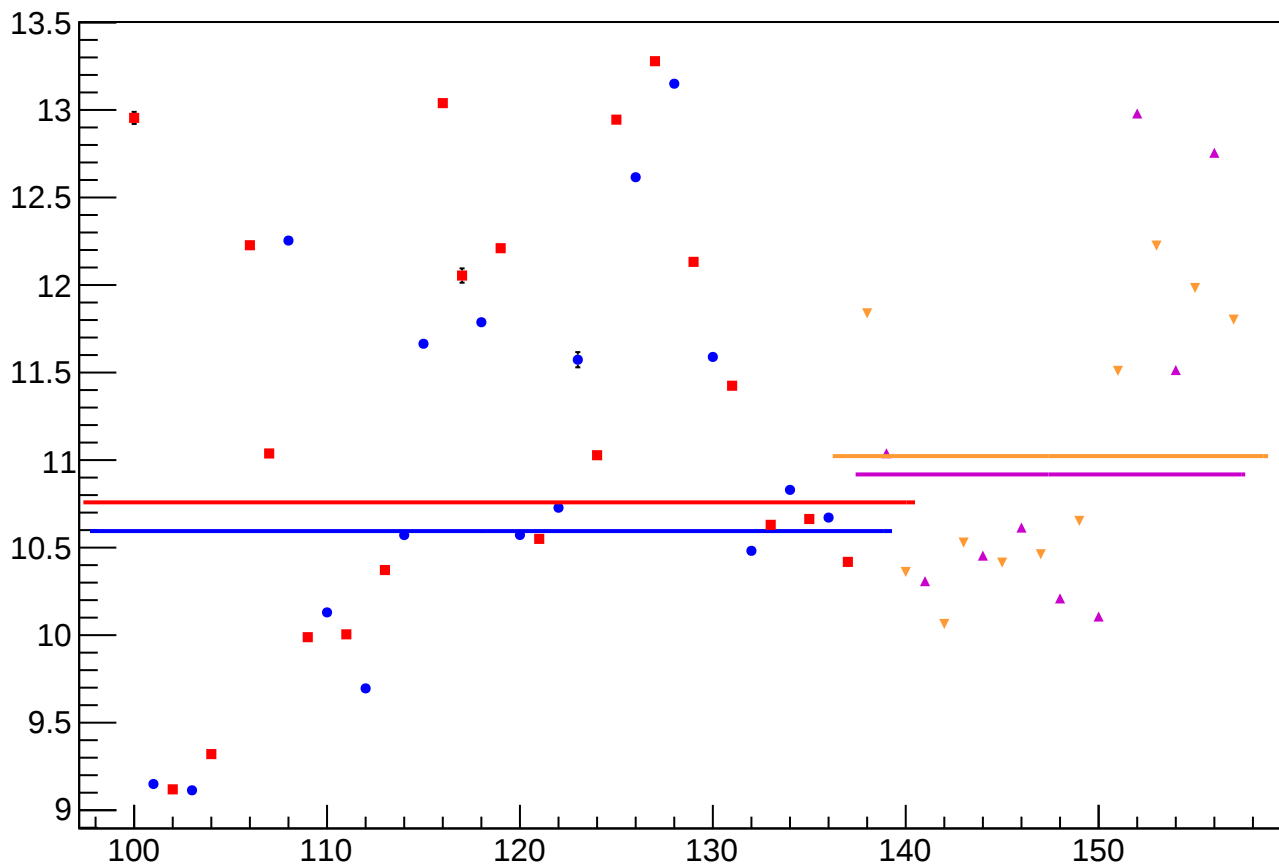
Left In: -11.612 ± 4.073 $\chi^2/\text{NDF}: 7.2/8$

-4.427 ± 2.847 $\chi^2/\text{NDF}: 28.7/27$

-2.425 ± 2.024 $\chi^2/\text{NDF}: 79.2/56$

-0.378 ± 2.879 $\chi^2/\text{NDF}: 49.5/28$

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.594 $\pm$ 0.003 χ^2/NDF : 160059.2/16

Left Out: 11.023 $\pm$ 0.003 χ^2/NDF : 69793.7/10

Right Out: 10.758 $\pm$ 0.003 χ^2/NDF : 178180.9/19

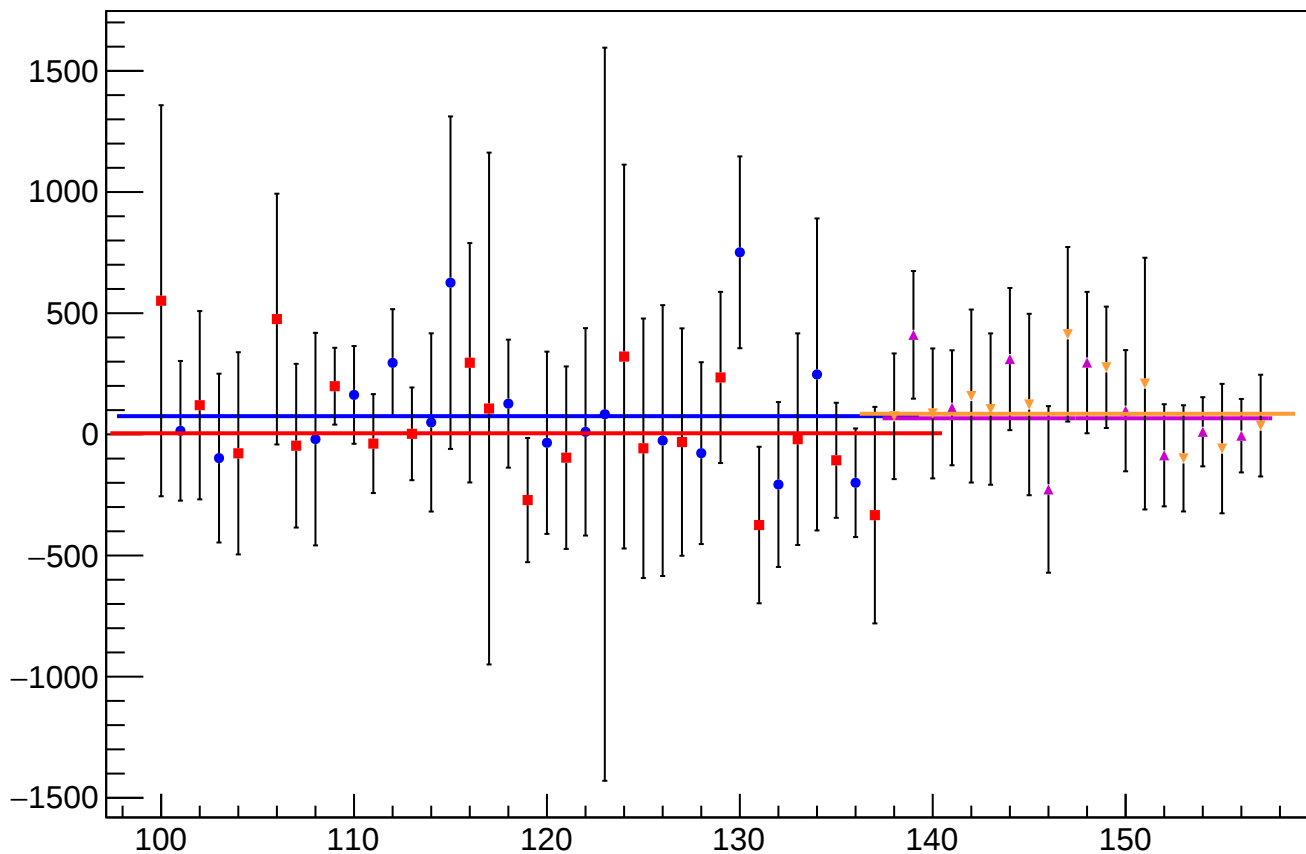
Left In: 10.918 $\pm$ 0.003 χ^2/NDF : 106136.0/8

10.822 $\pm$ 0.002 χ^2/NDF : 241120.2/27

10.830 $\pm$ 0.001 χ^2/NDF : 527005.0/56

10.838 $\pm$ 0.002 χ^2/NDF : 285852.4/28

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 75.086 $\pm$ 80.352 χ^2 /NDF: 7.7/16

Left Out: 84.984 $\pm$ 84.853 χ^2 /NDF: 2.6/10

Right Out: 4.459 $\pm$ 70.724 χ^2 /NDF: 7.3/19

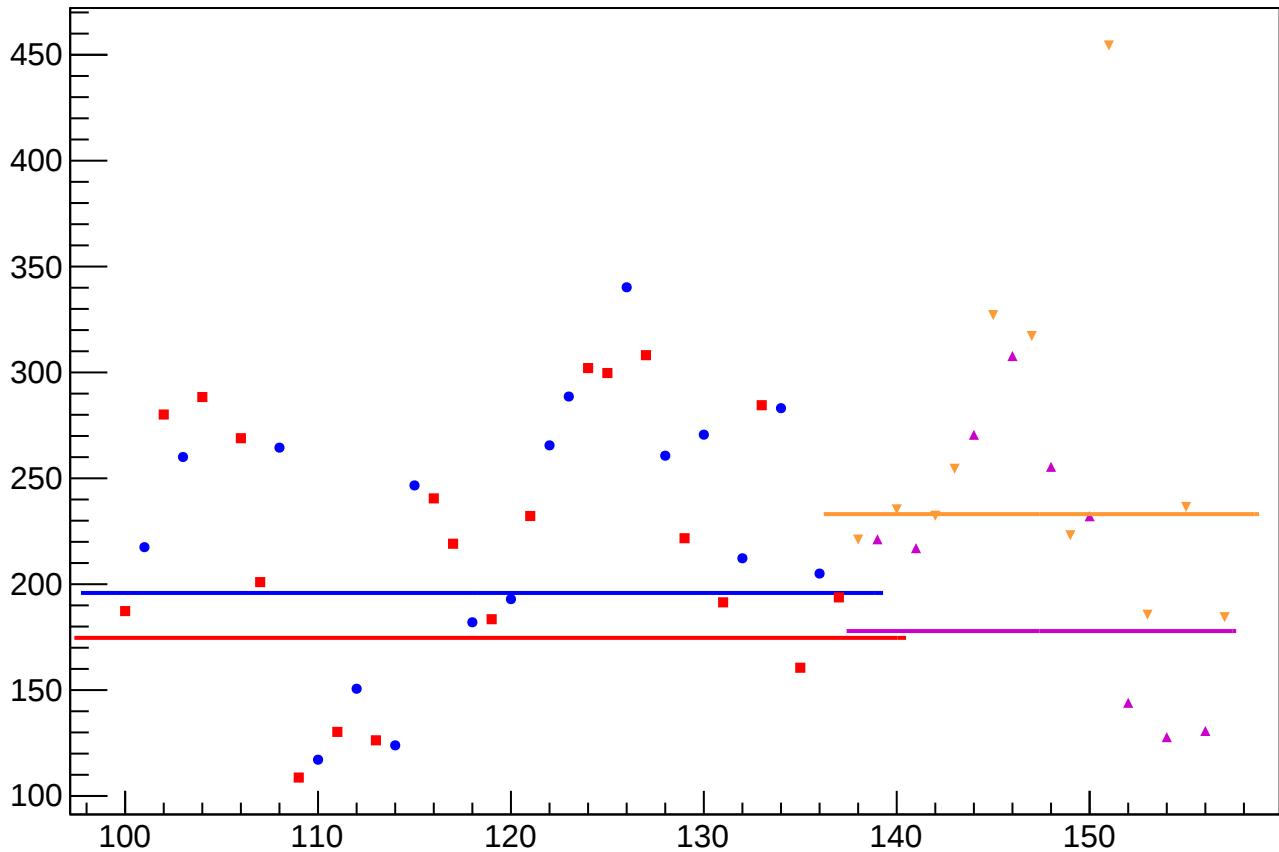
Left In: 66.283 $\pm$ 71.594 χ^2 /NDF: 4.7/8

79.765 $\pm$ 58.344 χ^2 /NDF: 10.3/27

54.089 $\pm$ 38.103 χ^2 /NDF: 23.0/56

34.993 $\pm$ 50.314 χ^2 /NDF: 12.4/28

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.869 $\pm$ 0.057 χ^2 /NDF: 979247.4/16

Left Out: 233.097 $\pm$ 0.060 χ^2 /NDF: 816971.8/10

Right Out: 174.665 $\pm$ 0.050 χ^2 /NDF: 1532335.9/19

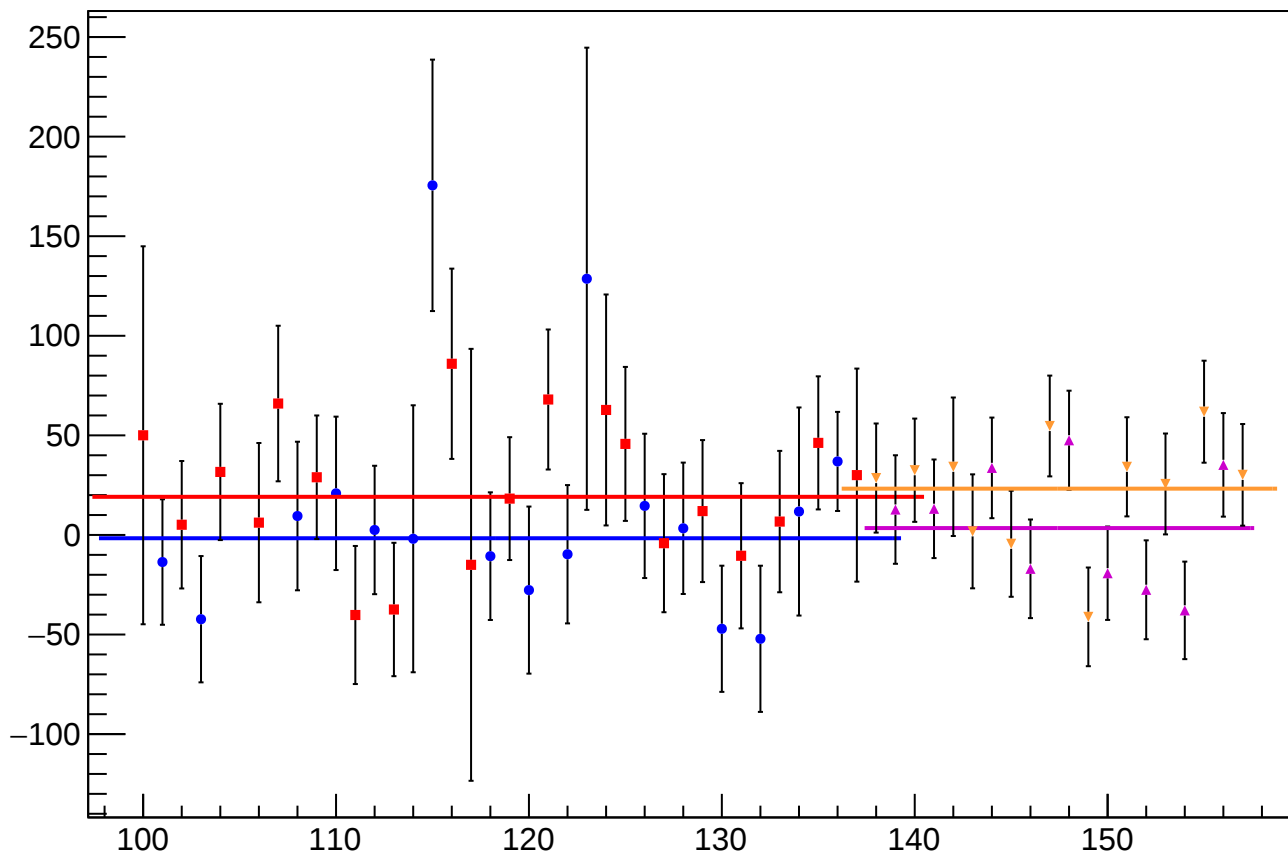
Left In: 177.880 $\pm$ 0.051 χ^2 /NDF: 1320524.6/8

213.469 $\pm$ 0.041 χ^2 /NDF: 1999195.1/27

192.126 $\pm$ 0.027 χ^2 /NDF: 5320795.2/56

176.253 $\pm$ 0.036 χ^2 /NDF: 2854901.4/28

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.654 ± 8.881 χ^2/NDF : 18.5/16

Left Out: 23.242 ± 7.980 χ^2/NDF : 12.8/10

Right Out: 19.145 ± 8.529 χ^2/NDF : 14.9/19

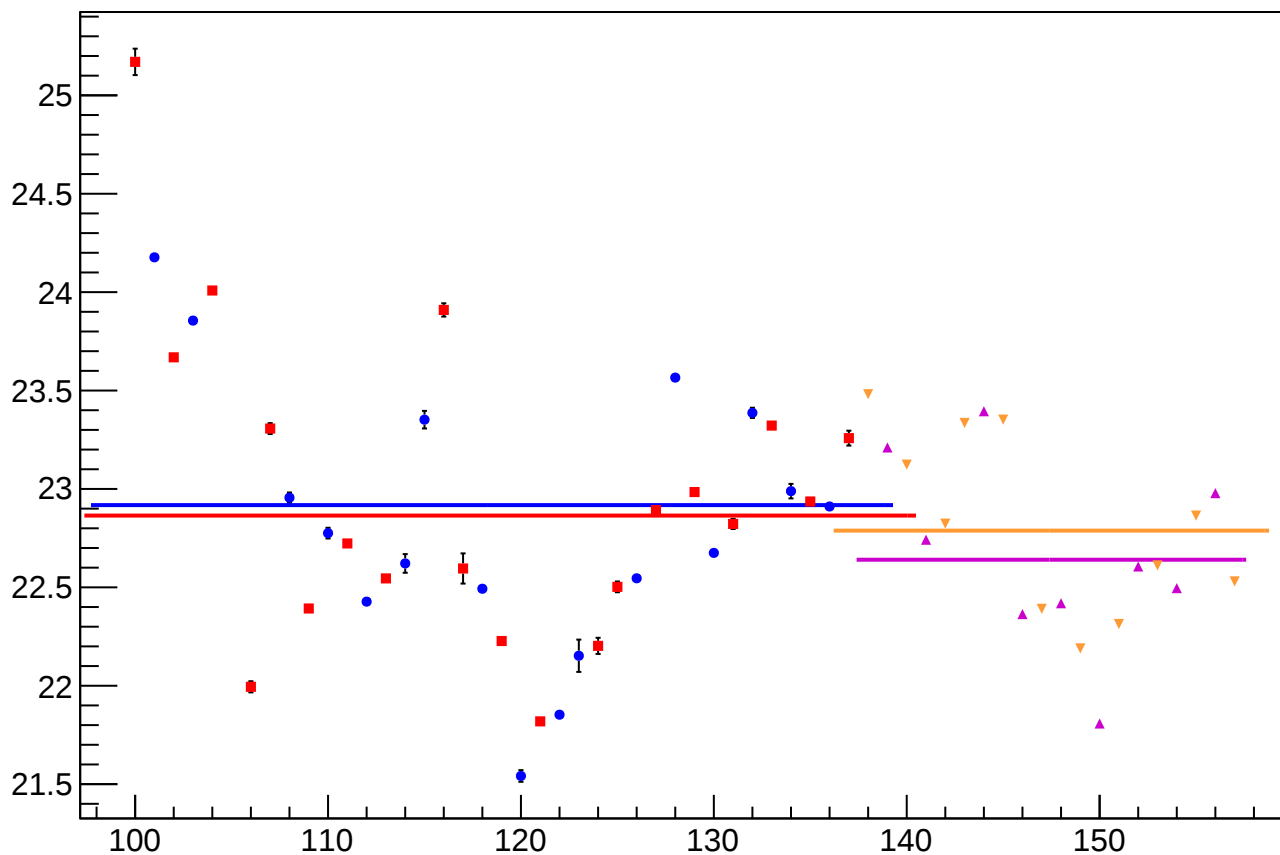
Left In: 3.451 ± 8.339 χ^2/NDF : 12.3/8

12.121 ± 5.936 χ^2/NDF : 35.6/27

11.623 ± 4.207 χ^2/NDF : 64.6/56

11.121 ± 5.963 χ^2/NDF : 28.9/28

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.918+/-0.006 χ^2/NDF : 11472.2/16

Left Out: 22.788+/-0.006 χ^2/NDF : 5952.9/10

Right Out: 22.865+/-0.006 χ^2/NDF : 11064.9/19

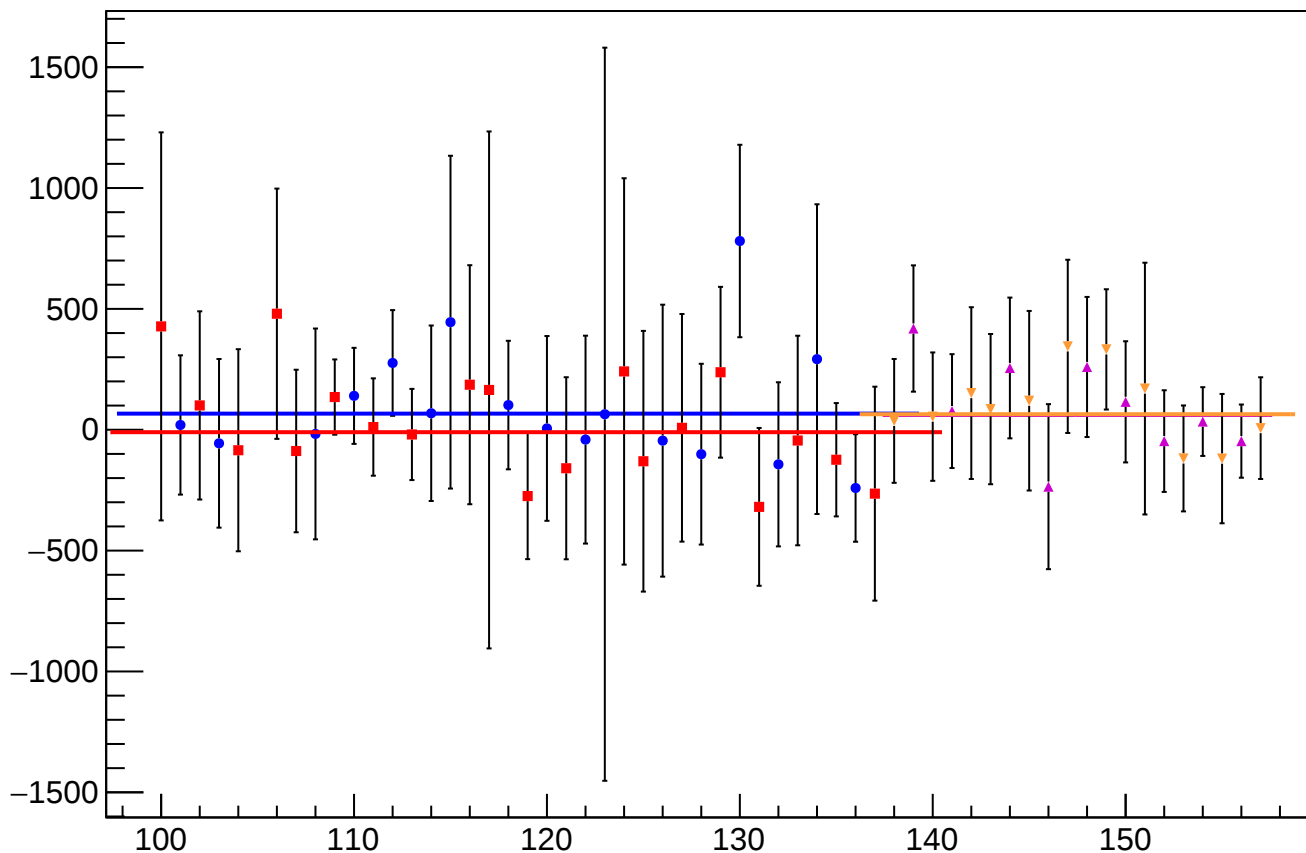
Left In: 22.640+/-0.006 χ^2/NDF : 6031.8/8

22.846+/-0.004 χ^2/NDF : 17660.8/27

22.798+/-0.003 χ^2/NDF : 35726.2/56

22.750+/-0.004 χ^2/NDF : 17804.3/28

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 66.701 $\pm$ 79.995 χ^2 /NDF: 7.5/16

Left Out: 64.155 $\pm$ 84.526 χ^2 /NDF: 3.2/10

Right Out: -10.113 $\pm$ 70.234 χ^2 /NDF: 5.7/19

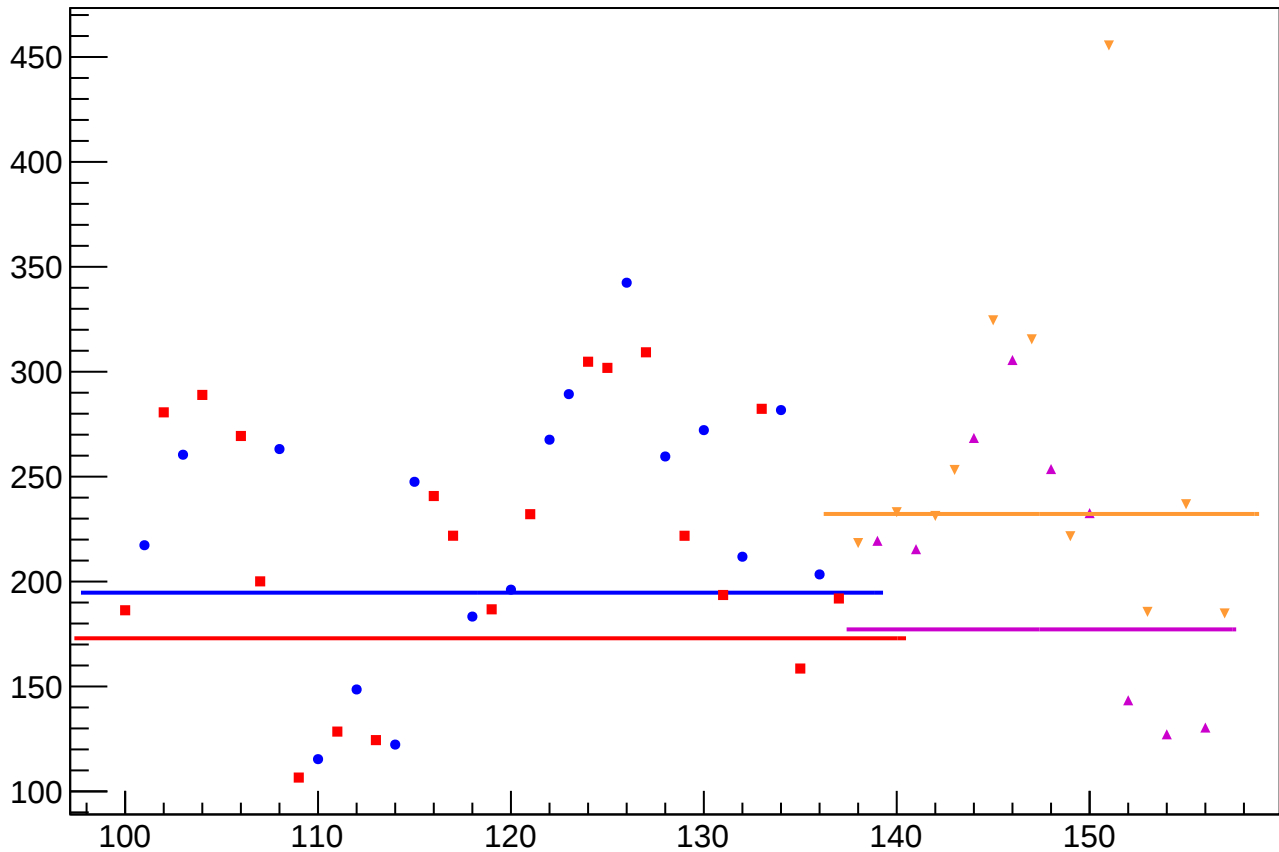
Left In: 61.083 $\pm$ 71.322 χ^2 /NDF: 4.4/8

65.498 $\pm$ 58.101 χ^2 /NDF: 10.7/27

42.213 $\pm$ 37.917 χ^2 /NDF: 21.6/56

24.938 $\pm$ 50.043 χ^2 /NDF: 10.6/28

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.703 $\pm$ 0.057 χ^2/NDF : 1019872.4/16

Left Out: 232.221 $\pm$ 0.060 χ^2/NDF : 810587.6/10

Right Out: 172.965 $\pm$ 0.050 χ^2/NDF : 1601142.0/19

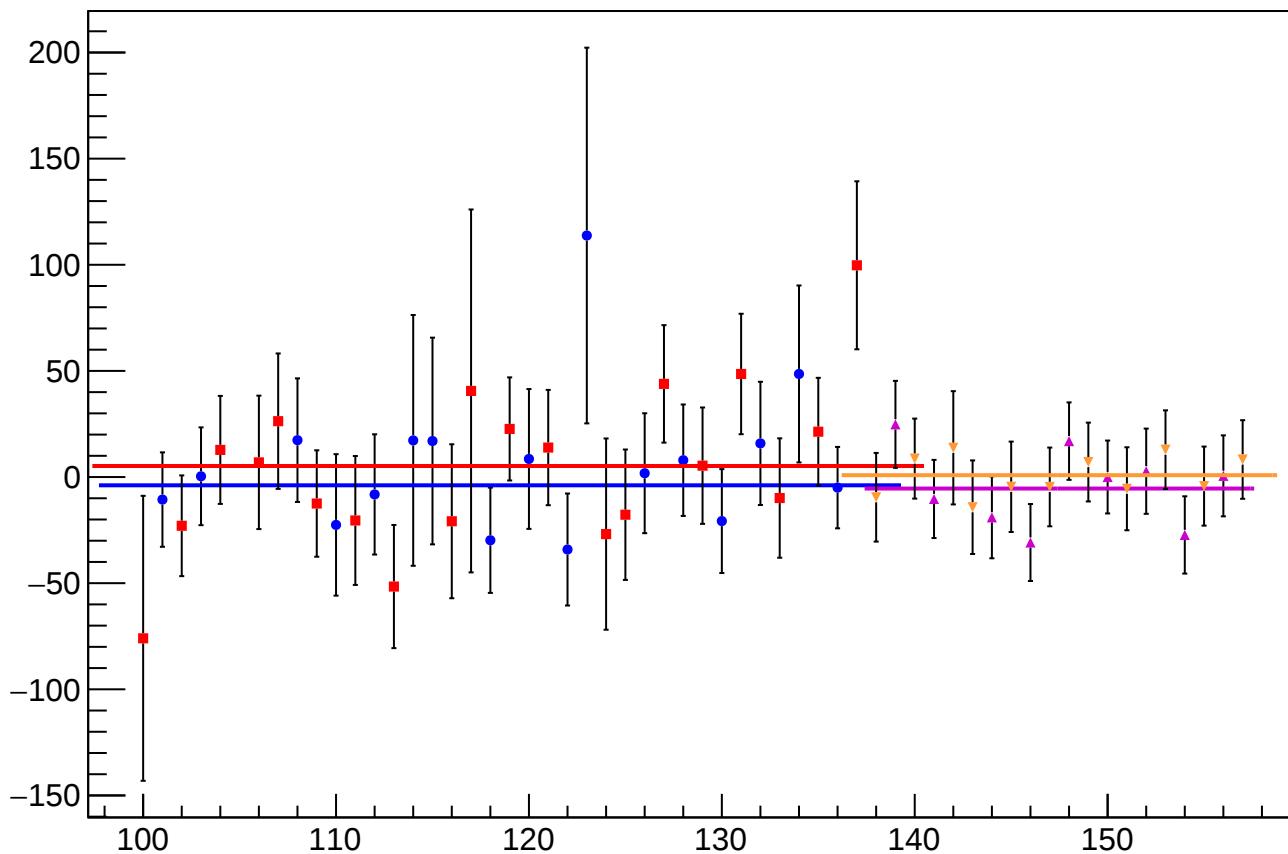
Left In: 177.205 $\pm$ 0.050 χ^2/NDF : 1310829.4/8

212.429 $\pm$ 0.041 χ^2/NDF : 2038321.5/27

190.971 $\pm$ 0.027 χ^2/NDF : 5429065.0/56

175.052 $\pm$ 0.035 χ^2/NDF : 2915559.3/28

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.894 ± 6.915 χ^2/NDF : 8.4/16

Left Out: 0.876 ± 5.985 χ^2/NDF : 2.2/10

Right Out: 5.204 ± 6.706 χ^2/NDF : 21.5/19

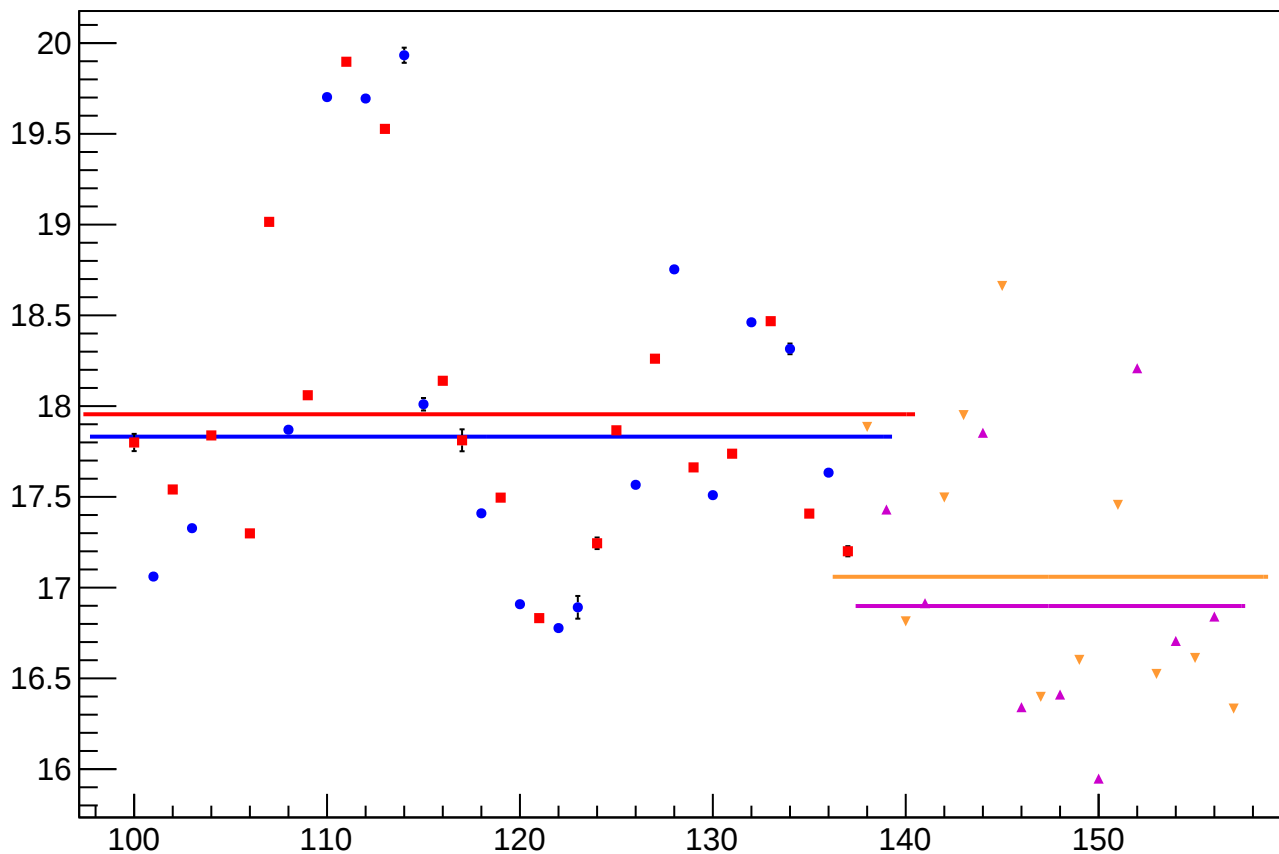
Left In: -5.415 ± 6.237 χ^2/NDF : 8.0/8

-1.167 ± 4.526 χ^2/NDF : 10.8/27

-0.831 ± 3.215 χ^2/NDF : 41.7/56

-0.489 ± 4.567 χ^2/NDF : 30.9/28

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.832 $\pm$ 0.005 χ^2/NDF : 30863.4/16

Left Out: 17.060 $\pm$ 0.004 χ^2/NDF : 29072.9/10

Right Out: 17.955 $\pm$ 0.005 χ^2/NDF : 25454.6/19

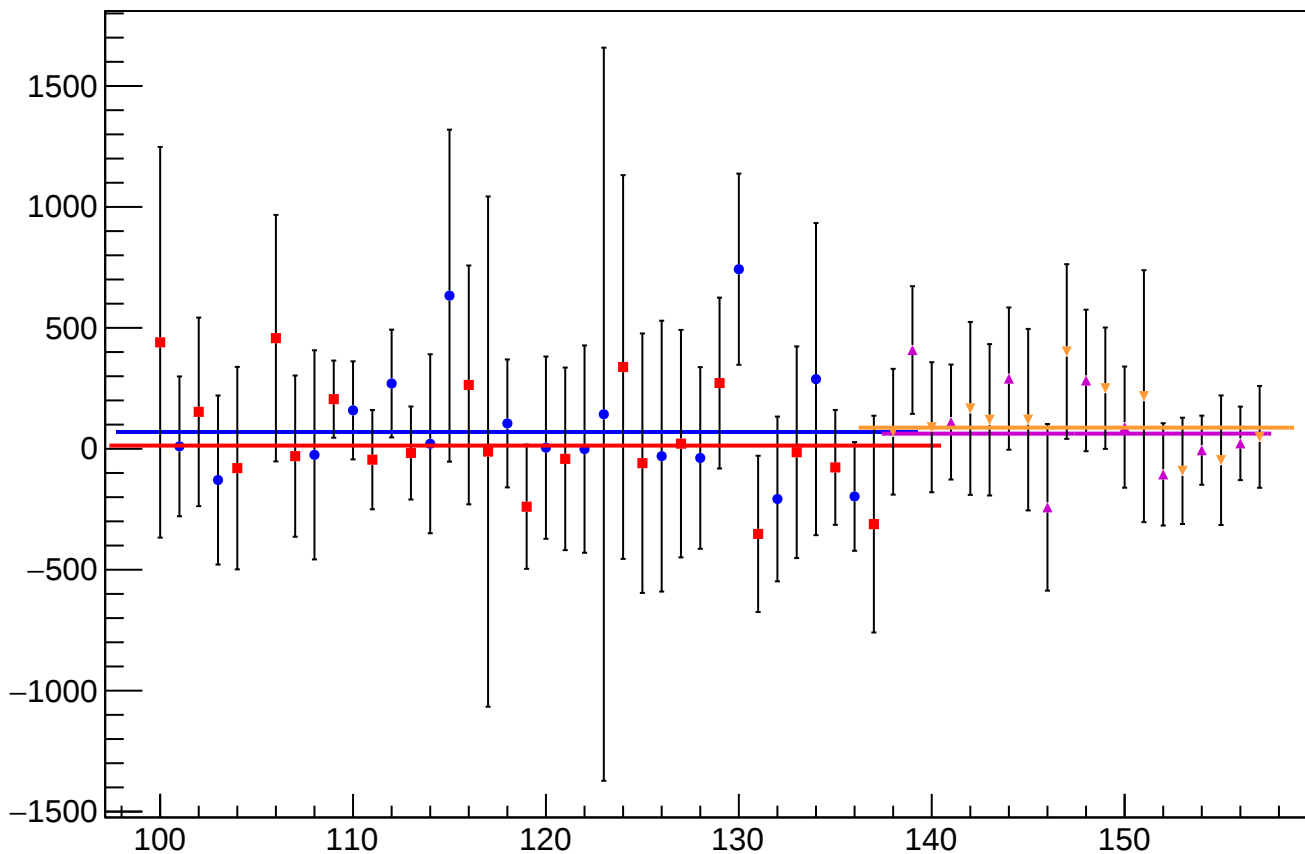
Left In: 16.899 $\pm$ 0.004 χ^2/NDF : 24450.8/8

17.390 $\pm$ 0.003 χ^2/NDF : 74187.7/27

17.390 $\pm$ 0.002 χ^2/NDF : 150704.0/56

17.389 $\pm$ 0.003 χ^2/NDF : 76516.2/28

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 69.511 $\pm$ 80.550 χ^2 /NDF: 7.4/16

Left Out: 87.514 $\pm$ 85.053 χ^2 /NDF: 2.3/10

Right Out: 13.298 $\pm$ 70.881 χ^2 /NDF: 6.7/19

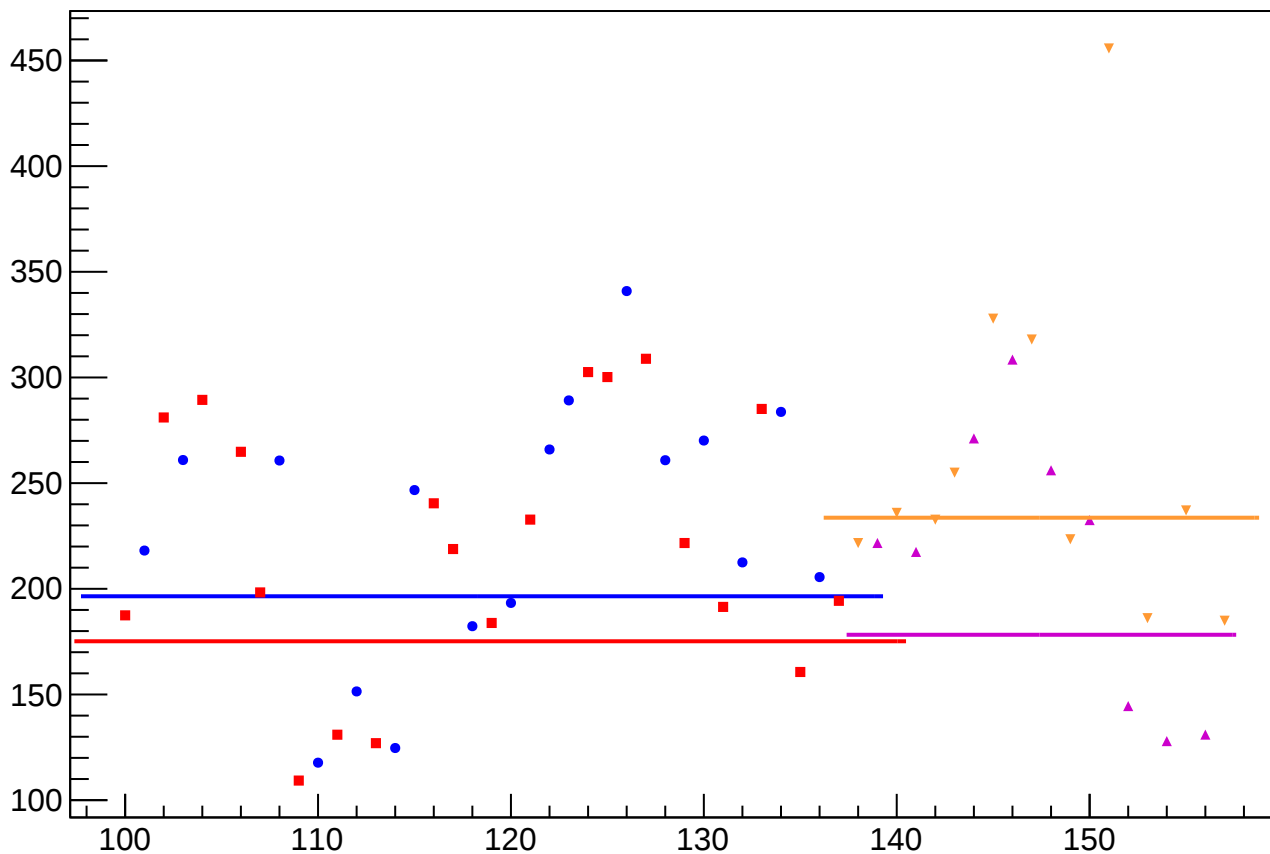
Left In: 62.773 $\pm$ 71.747 χ^2 /NDF: 4.6/8

78.023 $\pm$ 58.485 χ^2 /NDF: 9.7/27

54.913 $\pm$ 38.190 χ^2 /NDF: 21.5/56

37.735 $\pm$ 50.424 χ^2 /NDF: 11.6/28

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.470 $\pm$ 0.057 χ^2 /NDF: 964281.5/16

Left Out: 233.647 $\pm$ 0.060 χ^2 /NDF: 816730.7/10

Right Out: 175.179 $\pm$ 0.050 χ^2 /NDF: 1514541.6/19

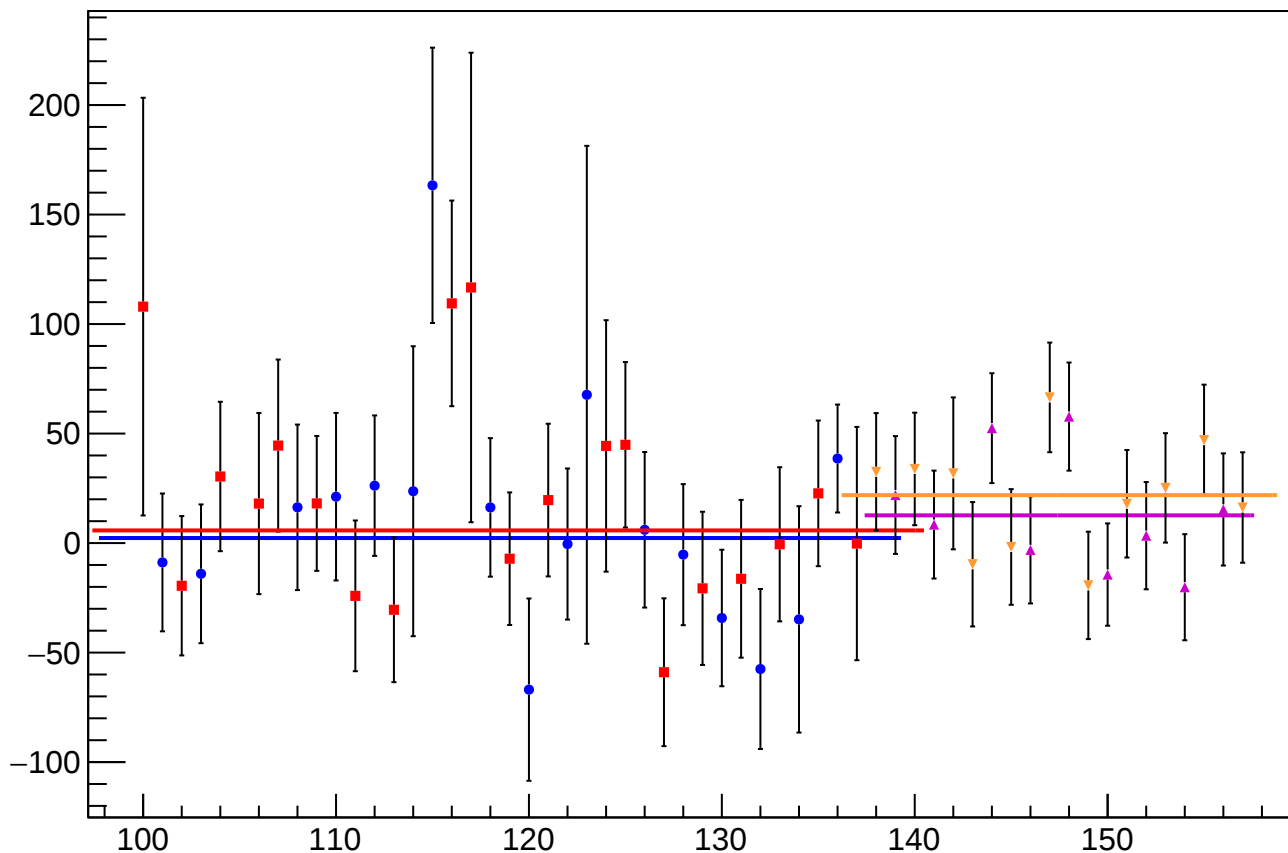
Left In: 178.255 $\pm$ 0.051 χ^2 /NDF: 1321214.3/8

214.049 $\pm$ 0.041 χ^2 /NDF: 1982452.6/27

192.624 $\pm$ 0.027 χ^2 /NDF: 5287969.6/56

176.698 $\pm$ 0.036 χ^2 /NDF: 2837616.1/28

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.307 ± 8.805 $\chi^2/\text{NDF}: 18.1/16$

Left Out: 21.881 ± 7.889 $\chi^2/\text{NDF}: 9.6/10$

Right Out: 5.783 ± 8.453 $\chi^2/\text{NDF}: 18.2/19$

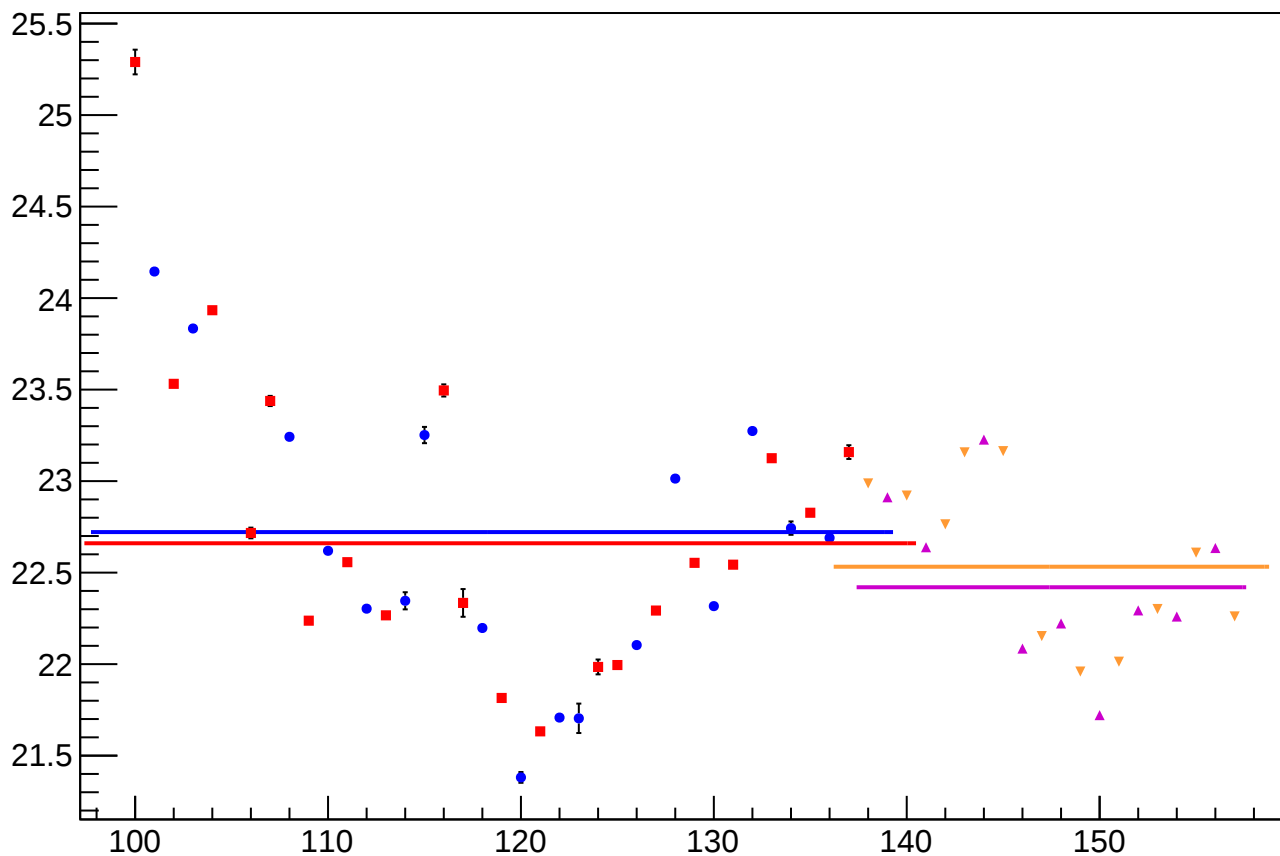
Left In: 12.660 ± 8.257 $\chi^2/\text{NDF}: 9.8/8$

13.165 ± 5.876 $\chi^2/\text{NDF}: 30.4/27$

11.243 ± 4.166 $\chi^2/\text{NDF}: 58.9/56$

9.302 ± 5.907 $\chi^2/\text{NDF}: 28.3/28$

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: 22.532+/-0.006 χ^2/NDF : 6101.3/10

Right Out: 22.660+/-0.006 χ^2/NDF : 12974.2/19

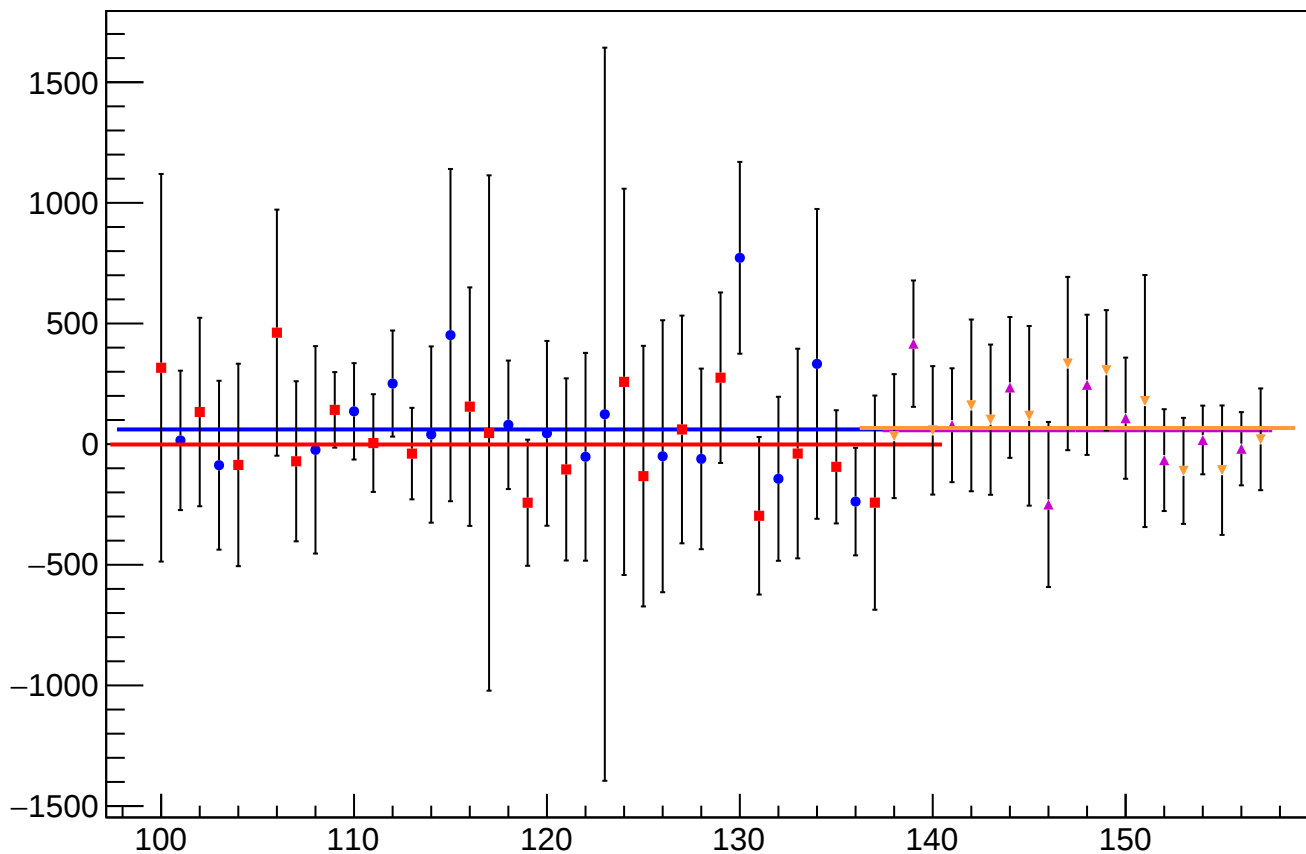
Left In: 22.420+/-0.006 χ^2/NDF : 5470.7/8

22.617+/-0.004 χ^2/NDF : 20194.5/27

22.577+/-0.003 χ^2/NDF : 39646.8/56

22.537+/-0.004 χ^2/NDF : 19272.0/28

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 60.960 $\pm$ 80.197 χ^2 /NDF: 7.2/16

Left Out: 66.787 $\pm$ 84.724 χ^2 /NDF: 2.8/10

Right Out: -1.439 $\pm$ 70.395 χ^2 /NDF: 5.2/19

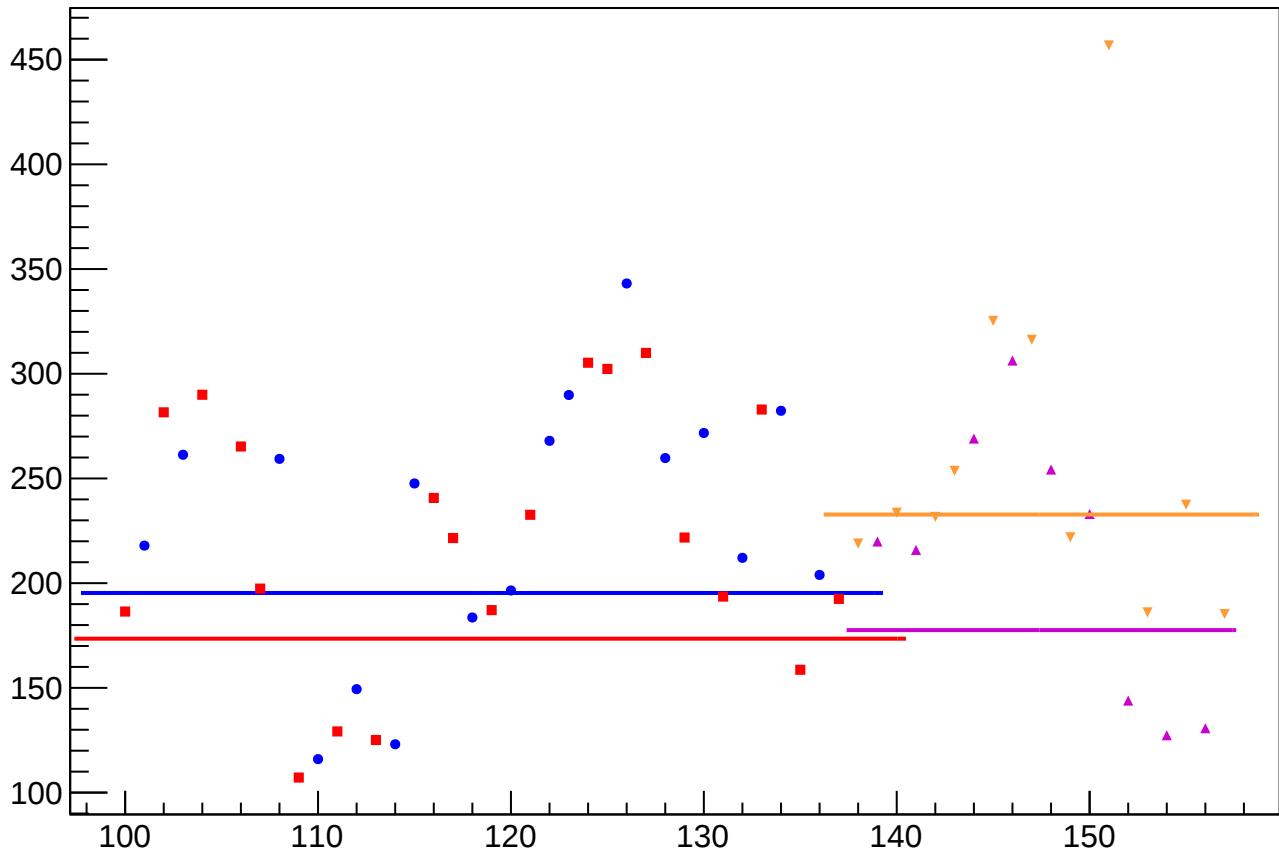
Left In: 57.541 $\pm$ 71.475 χ^2 /NDF: 4.2/8

63.714 $\pm$ 58.242 χ^2 /NDF: 10.0/27

42.978 $\pm$ 38.005 χ^2 /NDF: 19.9/56

27.602 $\pm$ 50.155 χ^2 /NDF: 9.7/28

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.316+/-0.057 χ^2/NDF : 1004211.5/16

Left Out: 232.768+/-0.060 χ^2/NDF : 810433.9/10

Right Out: 173.495+/-0.050 χ^2/NDF : 1582449.6/19

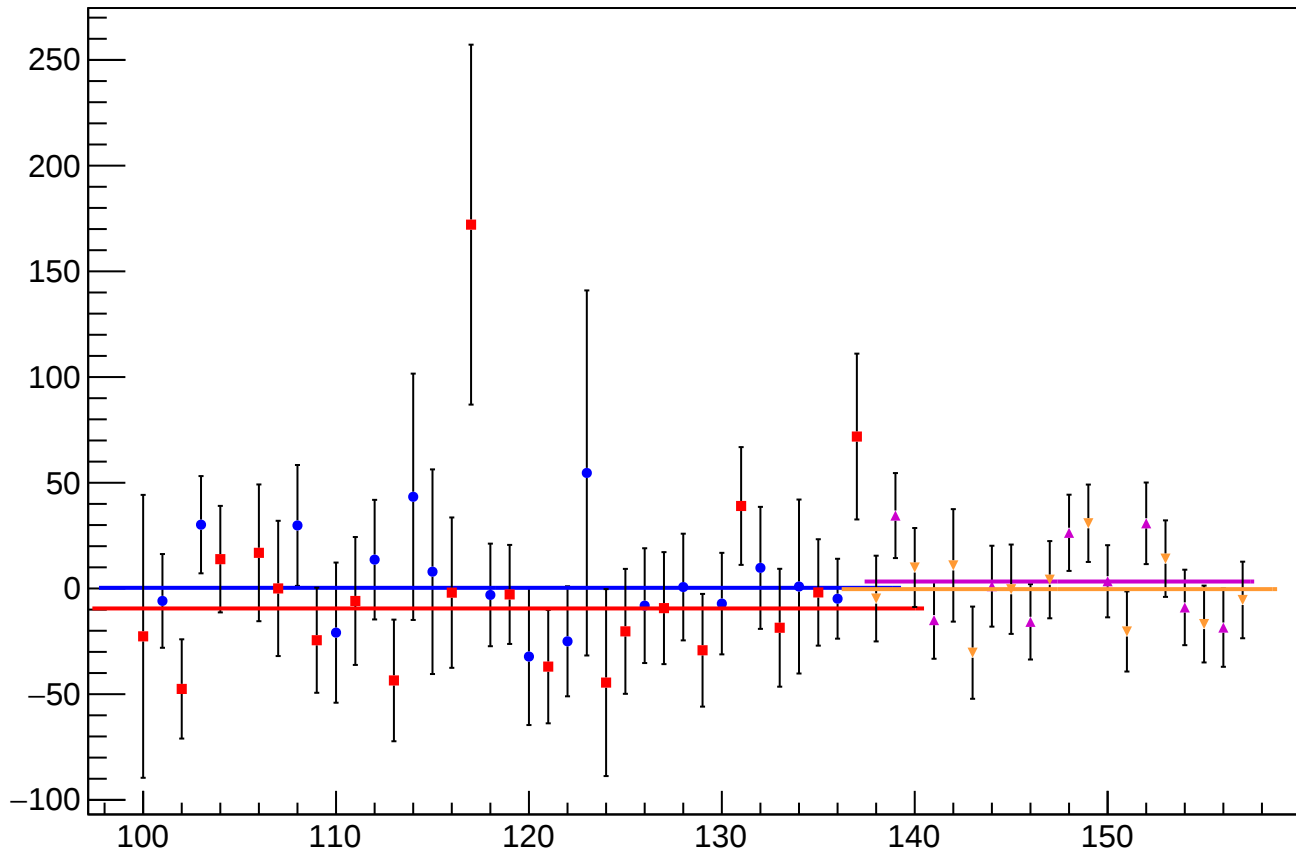
Left In: 177.580+/-0.051 χ^2/NDF : 1311594.8/8

213.014+/-0.041 χ^2/NDF : 2020773.0/27

191.477+/-0.027 χ^2/NDF : 5394418.9/56

175.506+/-0.035 χ^2/NDF : 2897360.5/28

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.305 ± 6.812 χ^2/NDF : 6.8/16

Left Out: -0.308 ± 5.877 χ^2/NDF : 8.0/10

Right Out: -9.452 ± 6.608 χ^2/NDF : 20.6/19

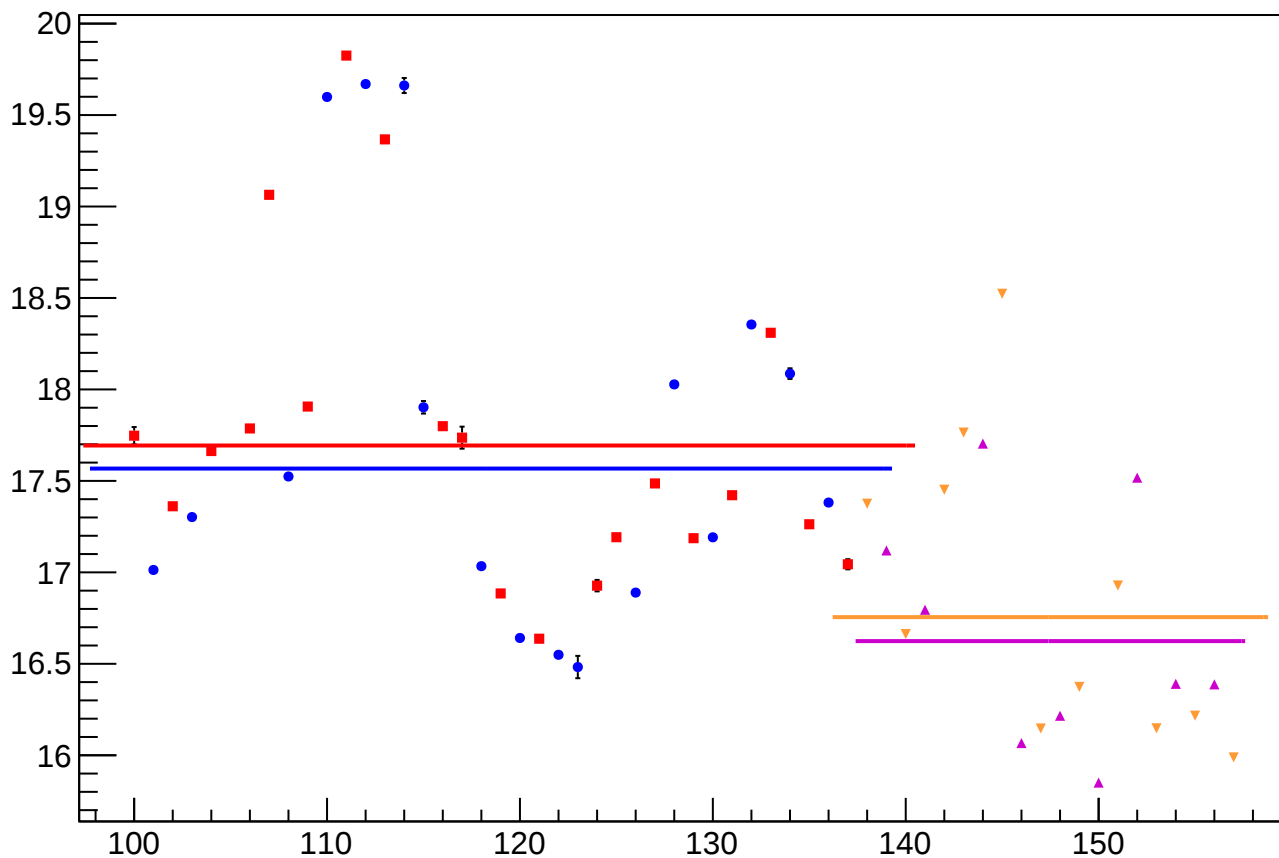
Left In: 3.288 ± 6.133 χ^2/NDF : 10.1/8

-0.046 ± 4.450 χ^2/NDF : 14.8/27

-1.314 ± 3.162 χ^2/NDF : 47.7/56

-2.607 ± 4.495 χ^2/NDF : 32.7/28

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.567 $\pm$ 0.005 χ^2 /NDF: 33145.0/16

Left Out: 16.755 $\pm$ 0.004 χ^2 /NDF:32421.6/10

Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30767.6/19

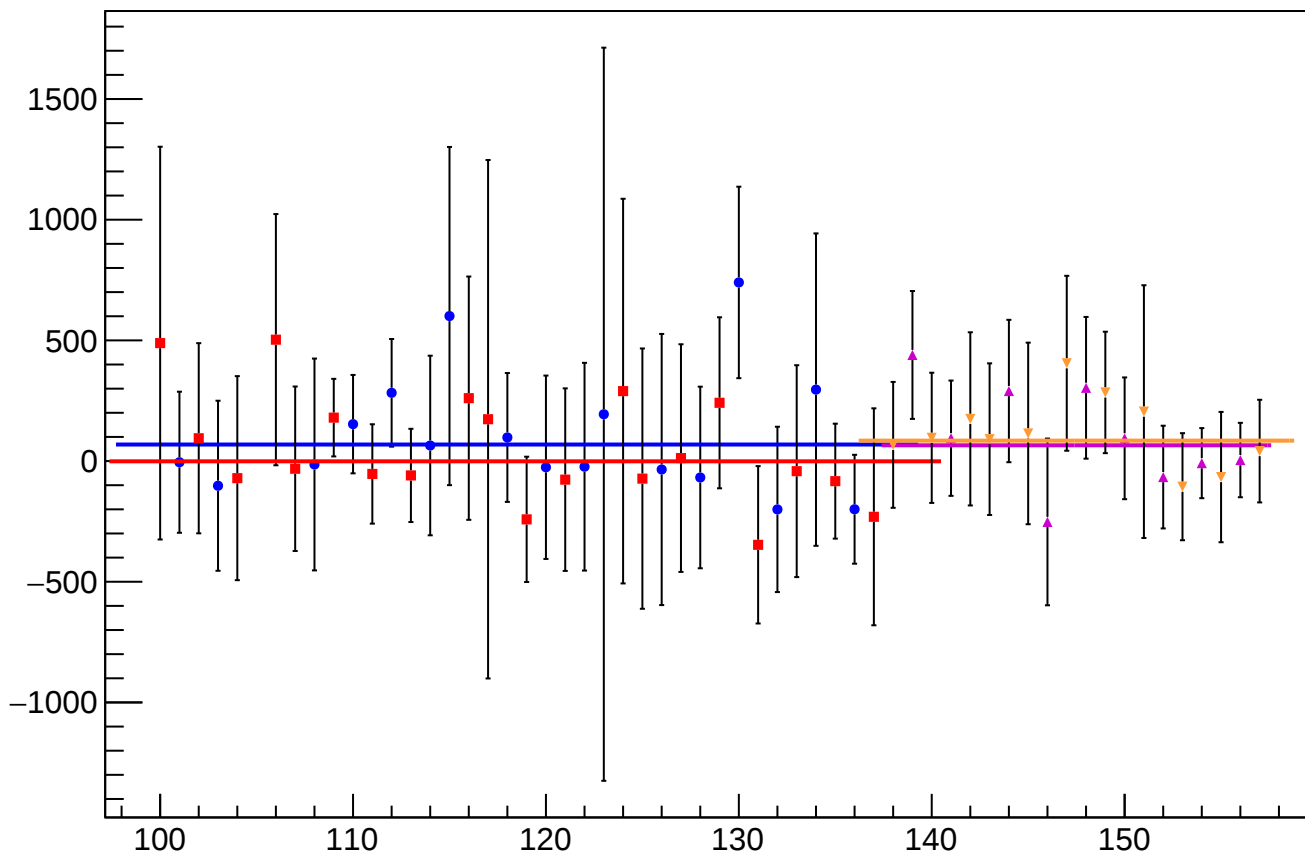
Left In: 16.624 $\pm$ 0.004 χ^2 /NDF:19810.1/8

17.102 $\pm$ 0.003 χ^2 /NDF: 81864.4/27

17.110 $\pm$ 0.002 χ^2 /NDF: 160593.5/56

17.119 $\pm$ 0.003 χ^2 /NDF: 78714.3/28

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 68.553 $\pm$ 81.018 χ^2 /NDF: 7.3/16

Left Out: 84.646 $\pm$ 85.542 χ^2 /NDF: 2.6/10

Right Out: -1.057 $\pm$ 71.380 χ^2 /NDF: 6.1/19

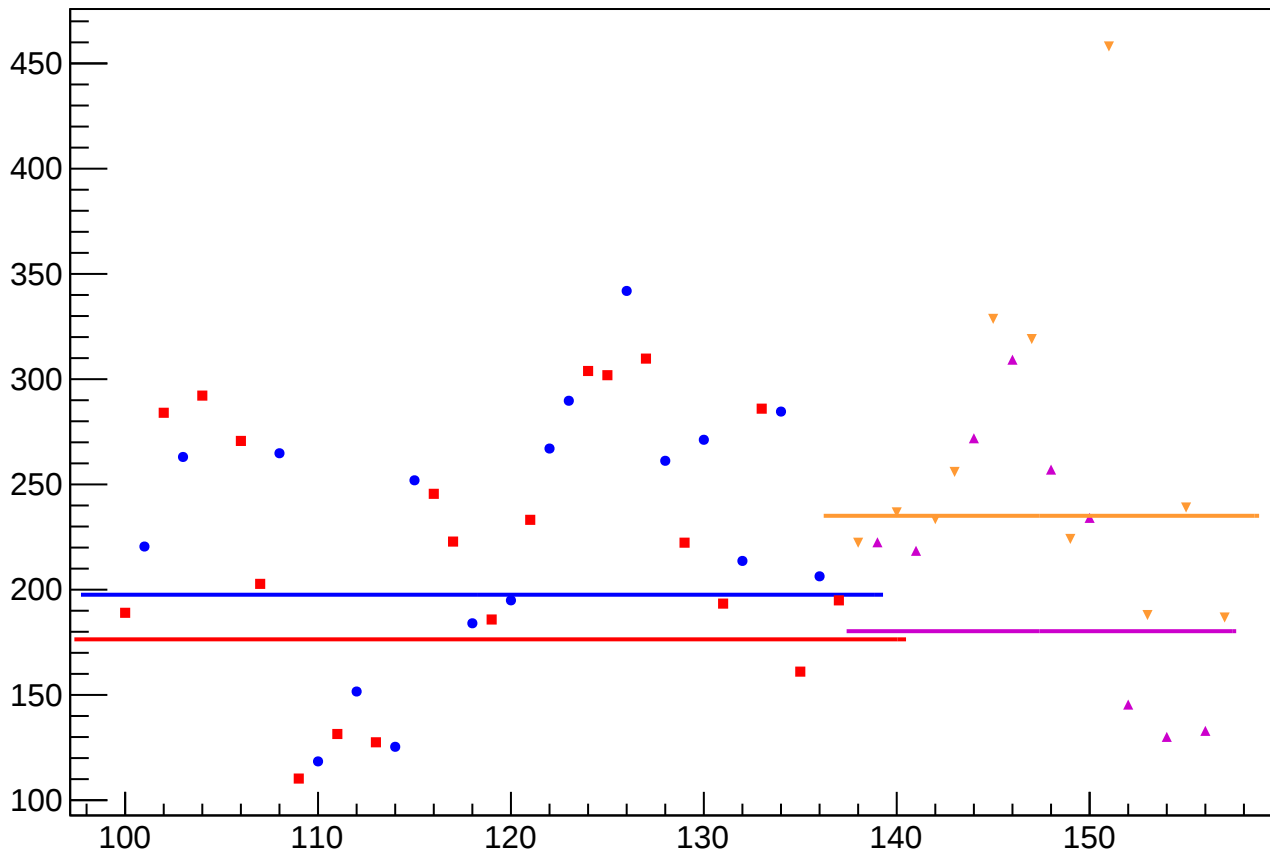
Left In: 65.368 $\pm$ 72.441 χ^2 /NDF: 4.9/8

76.163 $\pm$ 58.823 χ^2 /NDF: 10.0/27

50.694 $\pm$ 38.466 χ^2 /NDF: 21.8/56

31.665 $\pm$ 50.844 χ^2 /NDF: 11.5/28

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: 235.098 $\pm$ 0.060 χ^2 /NDF: 805462.4/10

Right Out: 176.407 $\pm$ 0.050 χ^2 /NDF: 1523589.5/19

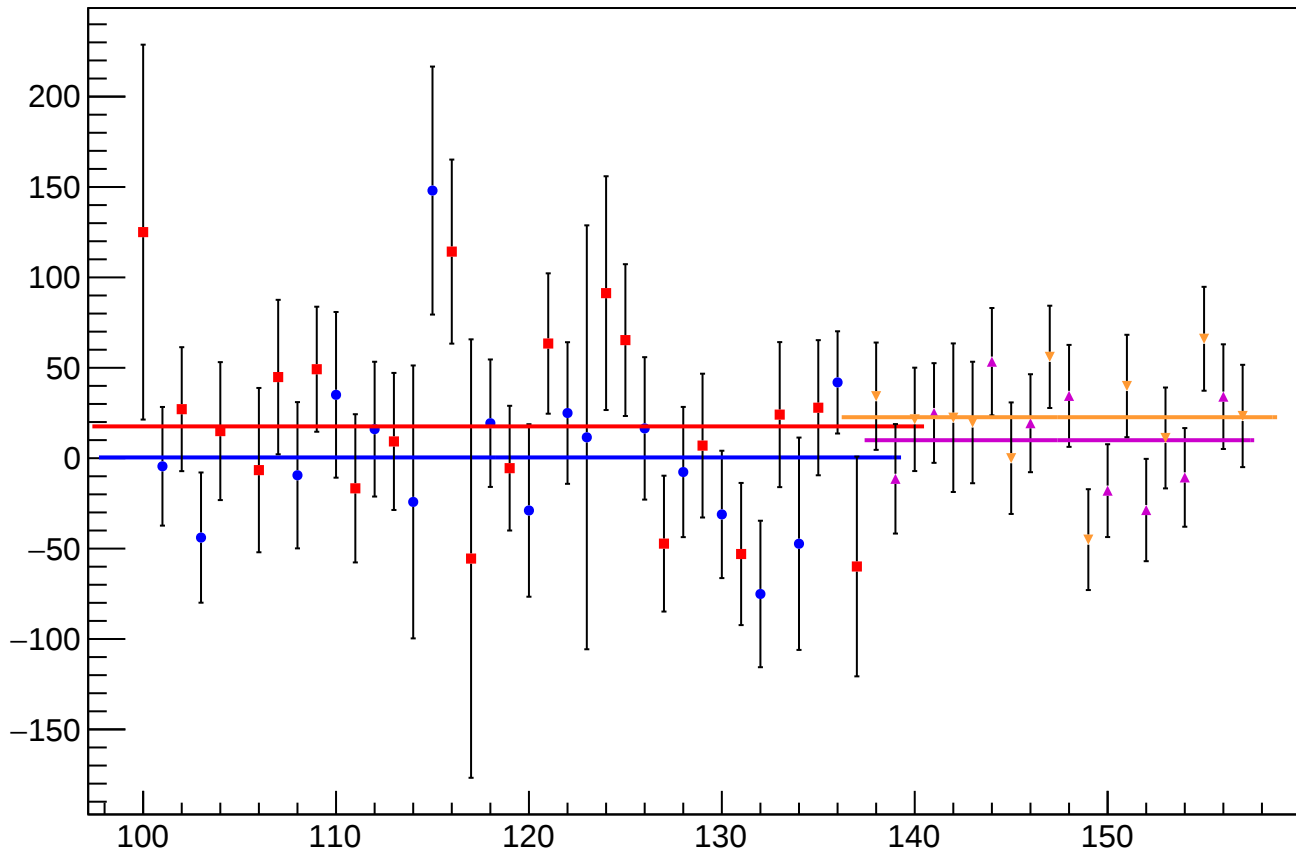
Left In: 180.284 $\pm$ 0.051 χ^2 /NDF: 1283168.6/8

215.333 $\pm$ 0.042 χ^2 /NDF: 1976838.6/27

194.146 $\pm$ 0.027 χ^2 /NDF: 5239816.0/56

178.317 $\pm$ 0.036 χ^2 /NDF: 2809663.6/28

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: 22.675 ± 8.975 χ^2/NDF : 10.8/10

Right Out: 17.595 ± 9.470 χ^2/NDF : 19.8/19

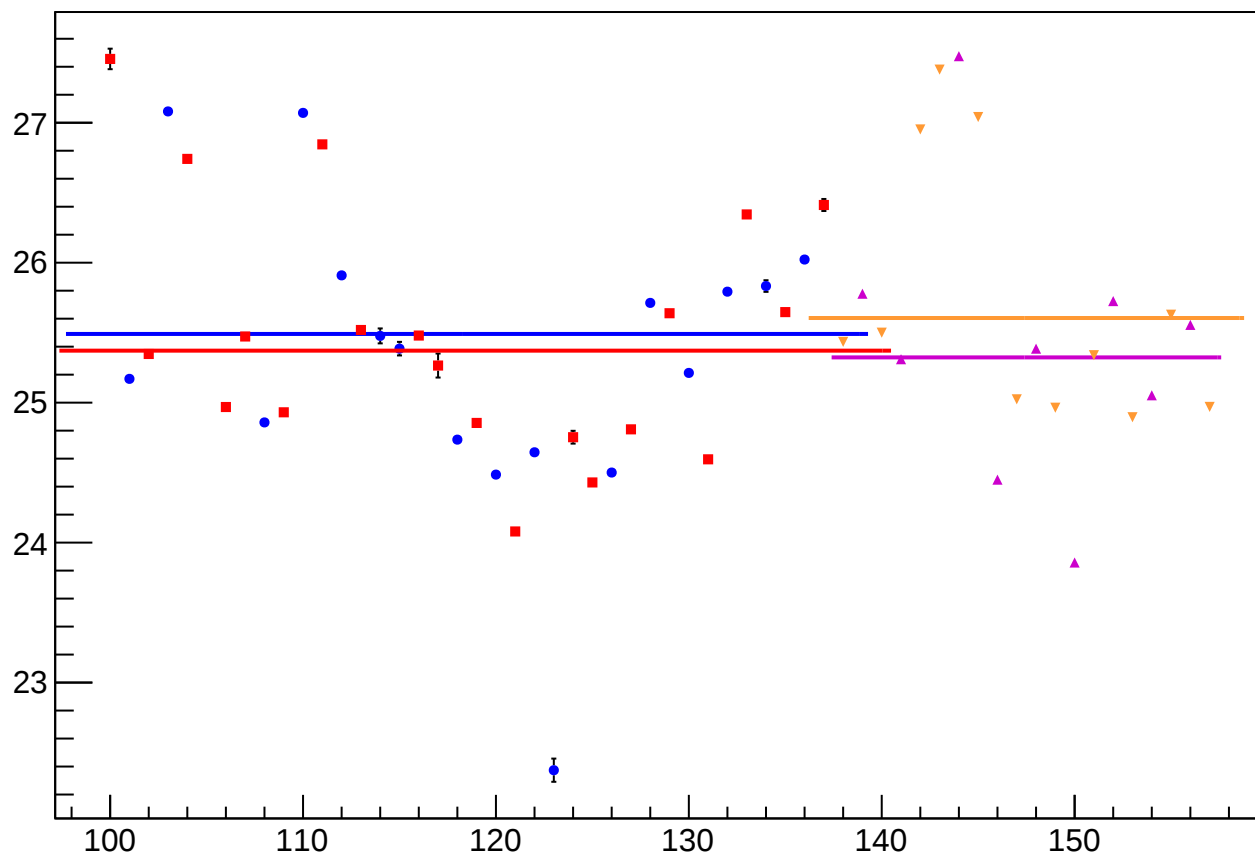
Left In: 9.948 ± 9.340 χ^2/NDF : 8.1/8

12.621 ± 6.645 χ^2/NDF : 29.0/27

13.170 ± 4.700 χ^2/NDF : 57.3/56

13.719 ± 6.650 χ^2/NDF : 28.3/28

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: 25.605 $\pm$ 0.006 χ^2 /NDF:16533.7/10

Right Out: 25.372 $\pm$ 0.007 χ^2 /NDF: 13552.0/19

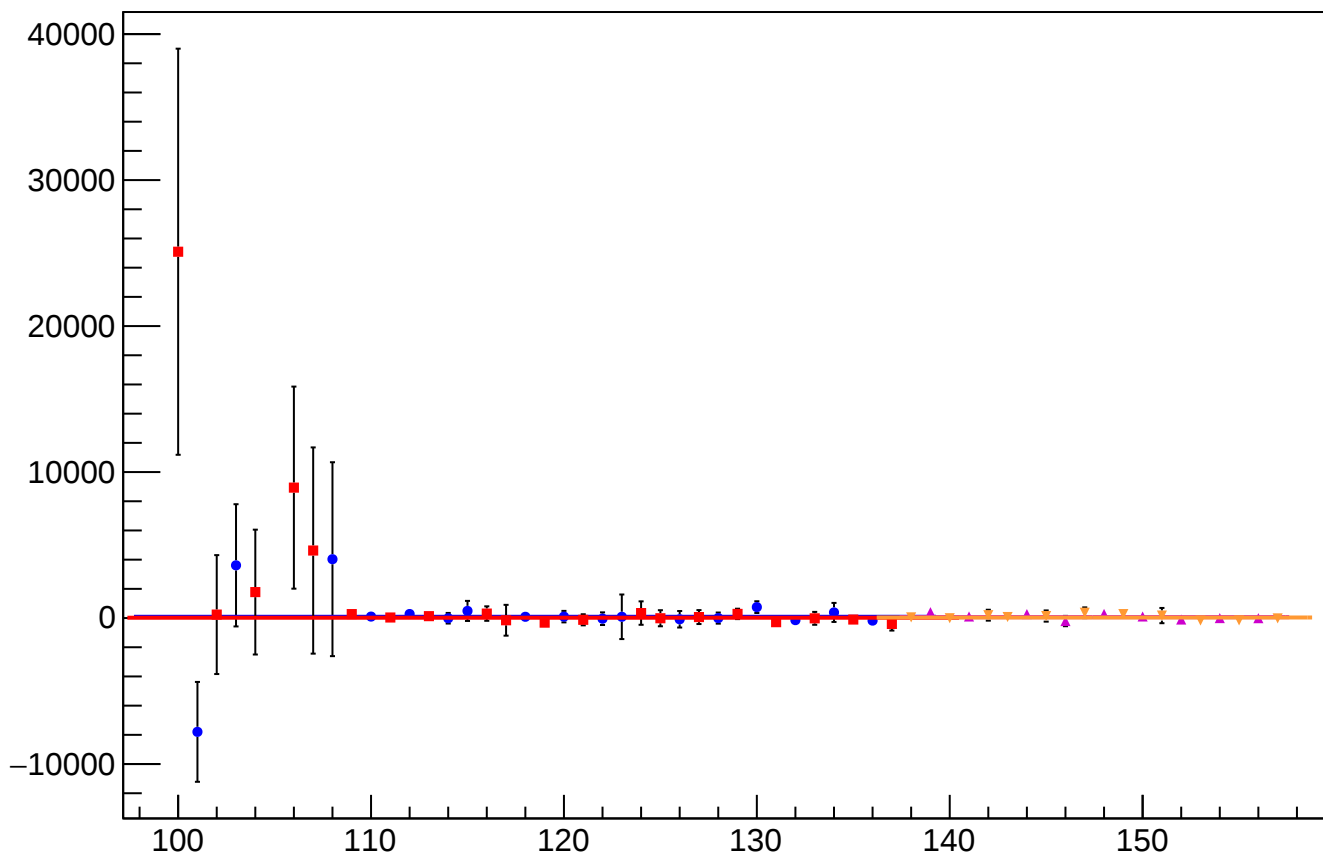
Left In: 25.323 $\pm$ 0.007 χ^2 /NDF:20295.3/8

25.553 $\pm$ 0.005 χ^2 /NDF: 30392.4/27

25.450 $\pm$ 0.003 χ^2 /NDF: 65228.4/56

25.347 $\pm$ 0.005 χ^2 /NDF: 33873.6/28

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 86.558 $\pm$ 88.423 χ^2 /NDF: 12.5/16

Left Out: 38.191 $\pm$ 87.349 χ^2 /NDF: 3.4/10

Right Out: 22.332 $\pm$ 80.711 χ^2 /NDF: 11.9/19

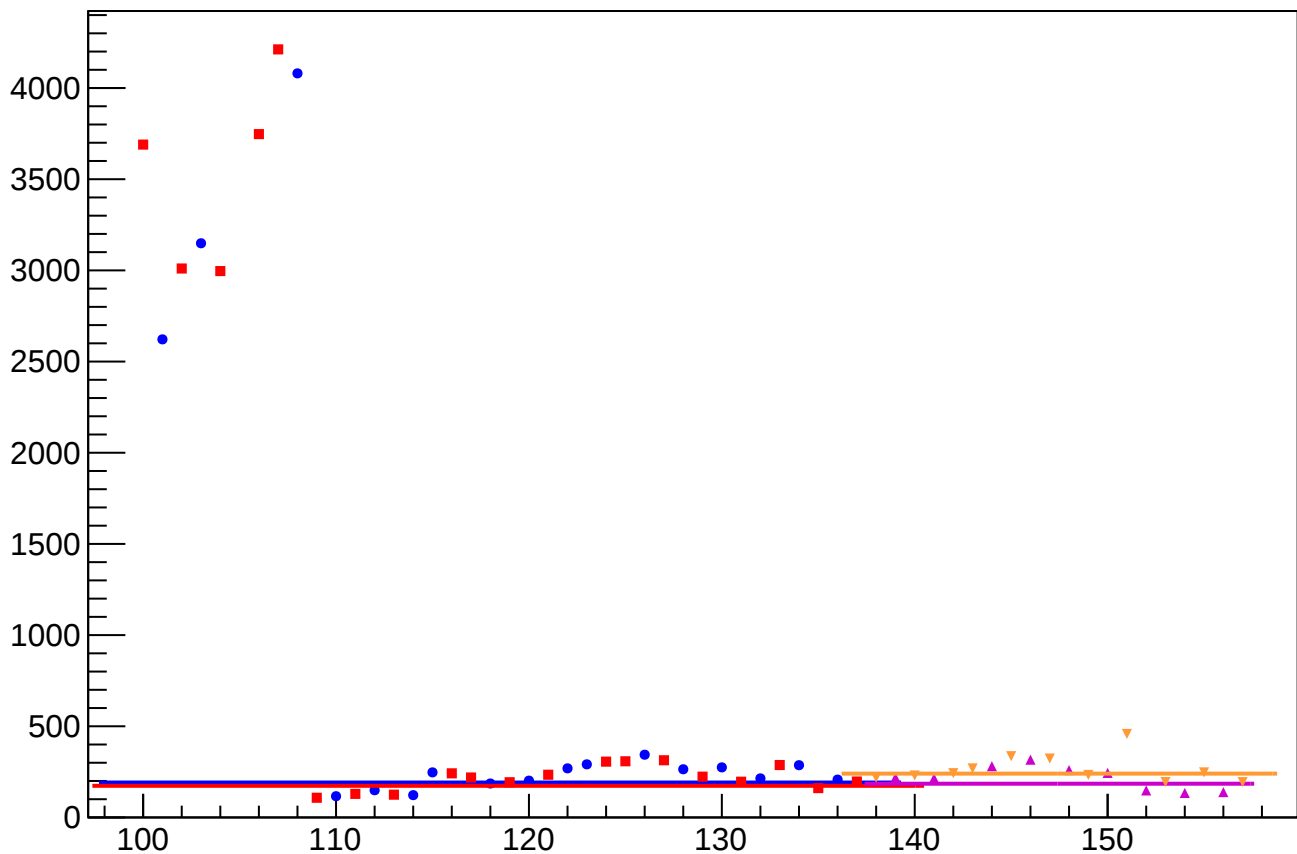
Left In: 62.770 $\pm$ 74.133 χ^2 /NDF: 4.4/8

62.079 $\pm$ 62.141 χ^2 /NDF: 16.0/27

52.026 $\pm$ 41.016 χ^2 /NDF: 32.5/56

44.266 $\pm$ 54.598 χ^2 /NDF: 16.4/28

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.478+/-0.063 χ^2/NDF : 3573154.3/16

Left Out: 240.355+/-0.062 χ^2/NDF : 778807.0/10

Right Out: 173.565+/-0.057 χ^2/NDF : 4211161.0/19

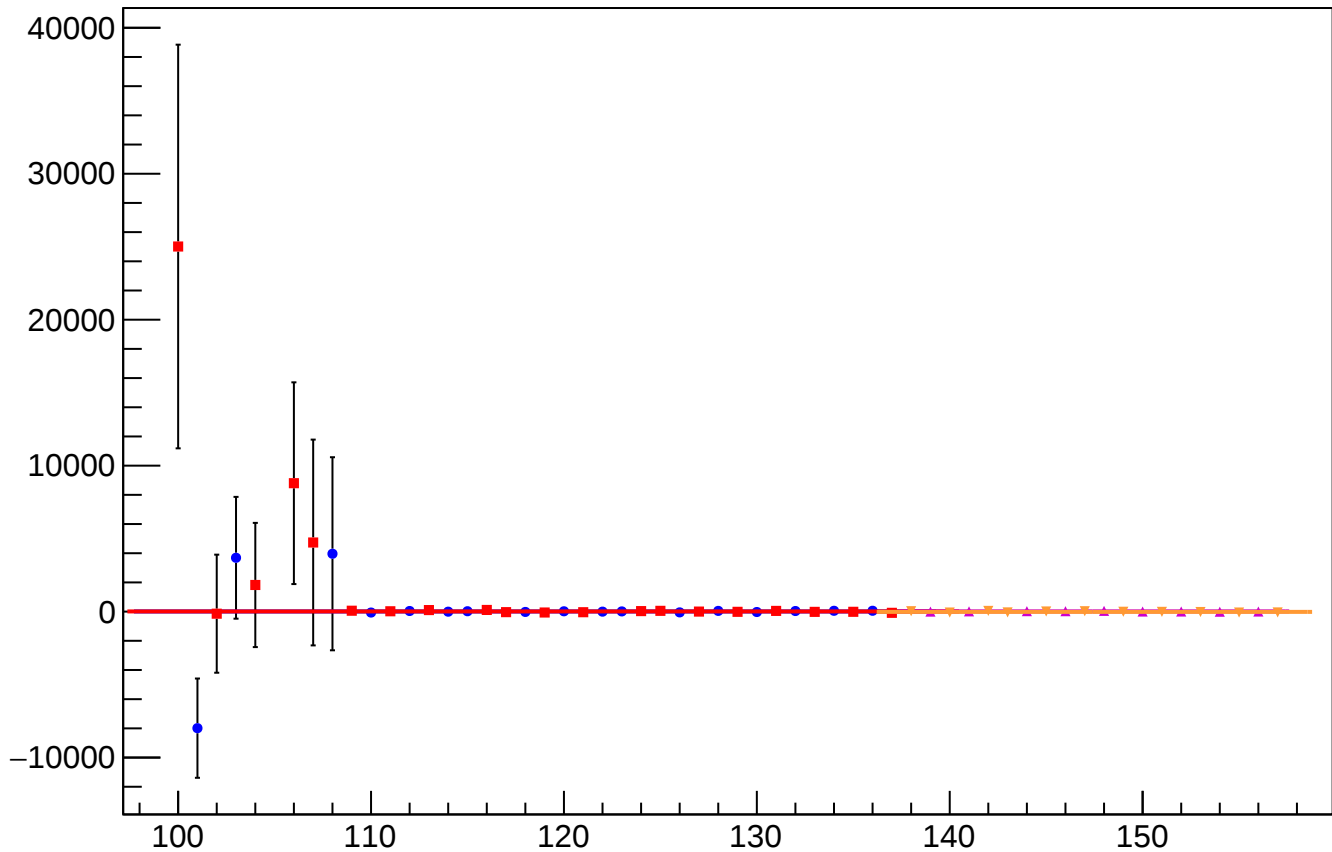
Left In: 185.066+/-0.052 χ^2/NDF : 1218850.4/8

216.216+/-0.044 χ^2/NDF : 4661248.0/27

195.666+/-0.029 χ^2/NDF : 10500821.9/56

179.803+/-0.039 χ^2/NDF : 5452040.0/28

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: -18.665+/-10.554 χ^2/NDF : 11.9/10

Right Out: 12.296+/-12.186 χ^2/NDF : 24.9/19

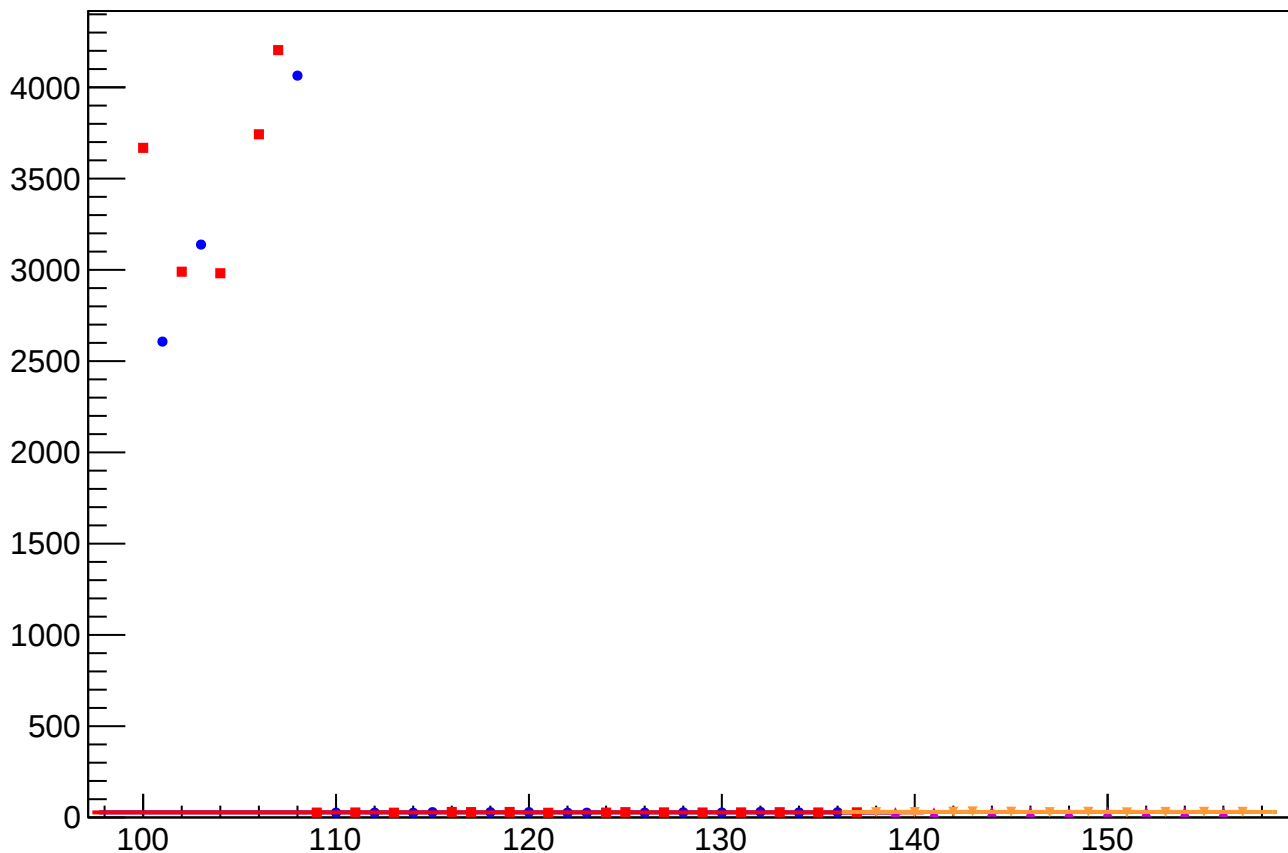
Left In: 16.329+/-11.141 χ^2/NDF : 2.6/8

-6.369+/-8.004 χ^2/NDF : 33.4/27

3.782+/-5.736 χ^2/NDF : 64.3/56

14.493+/-8.223 χ^2/NDF : 27.5/28

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.855+/-0.009 χ^2/NDF : 3027666.8/16

Left Out: 30.065+/-0.007 χ^2/NDF :31308.5/10

Right Out: 27.707+/-0.009 χ^2/NDF : 3477132.0/19

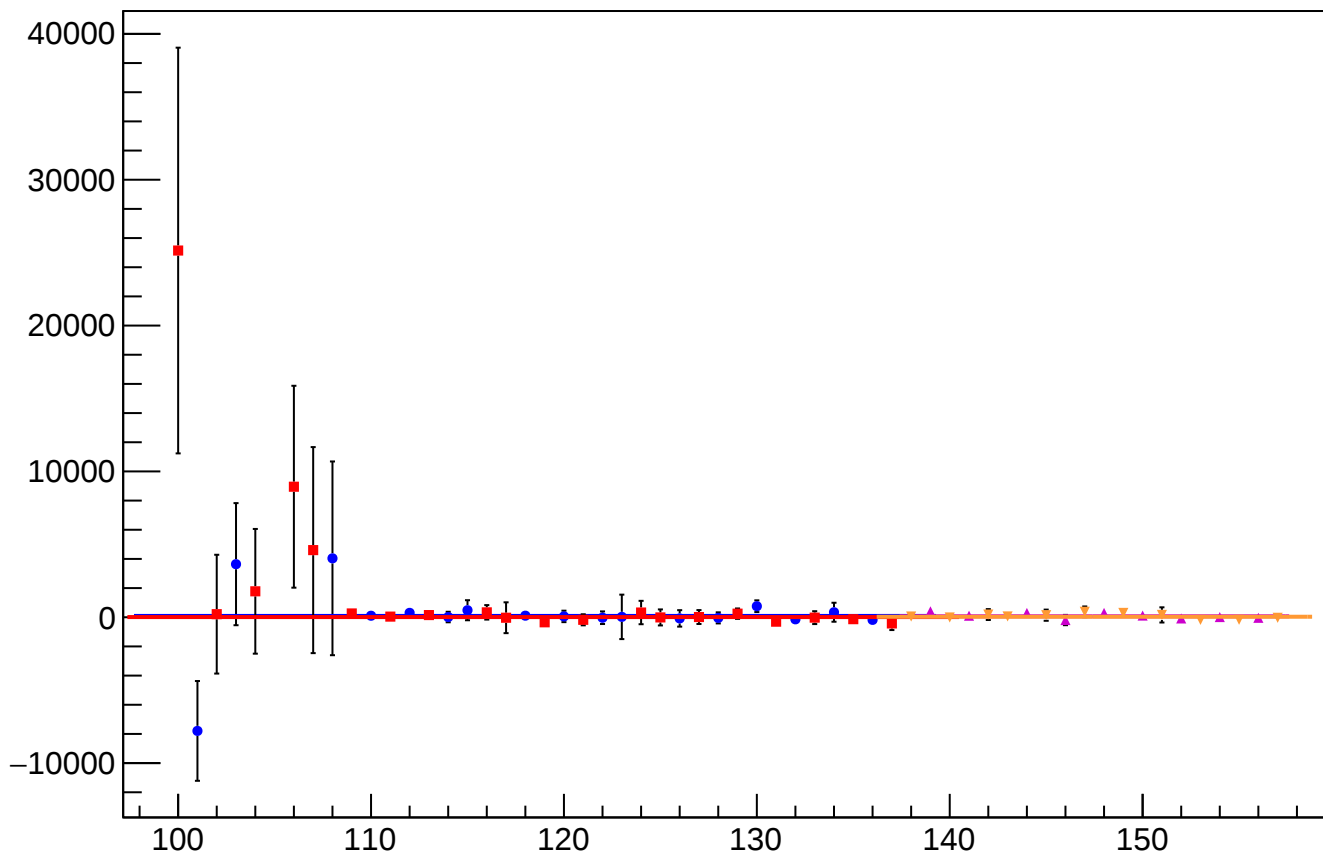
Left In: 30.143+/-0.008 χ^2/NDF :30838.6/8

29.126+/-0.006 χ^2/NDF : 3096237.6/27

29.081+/-0.004 χ^2/NDF : 6647846.6/56

29.034+/-0.006 χ^2/NDF : 3551479.3/28

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: 35.437+/-87.150 χ^2/NDF : 3.8/10

Right Out: 13.075+/-80.452 χ^2/NDF : 12.7/19

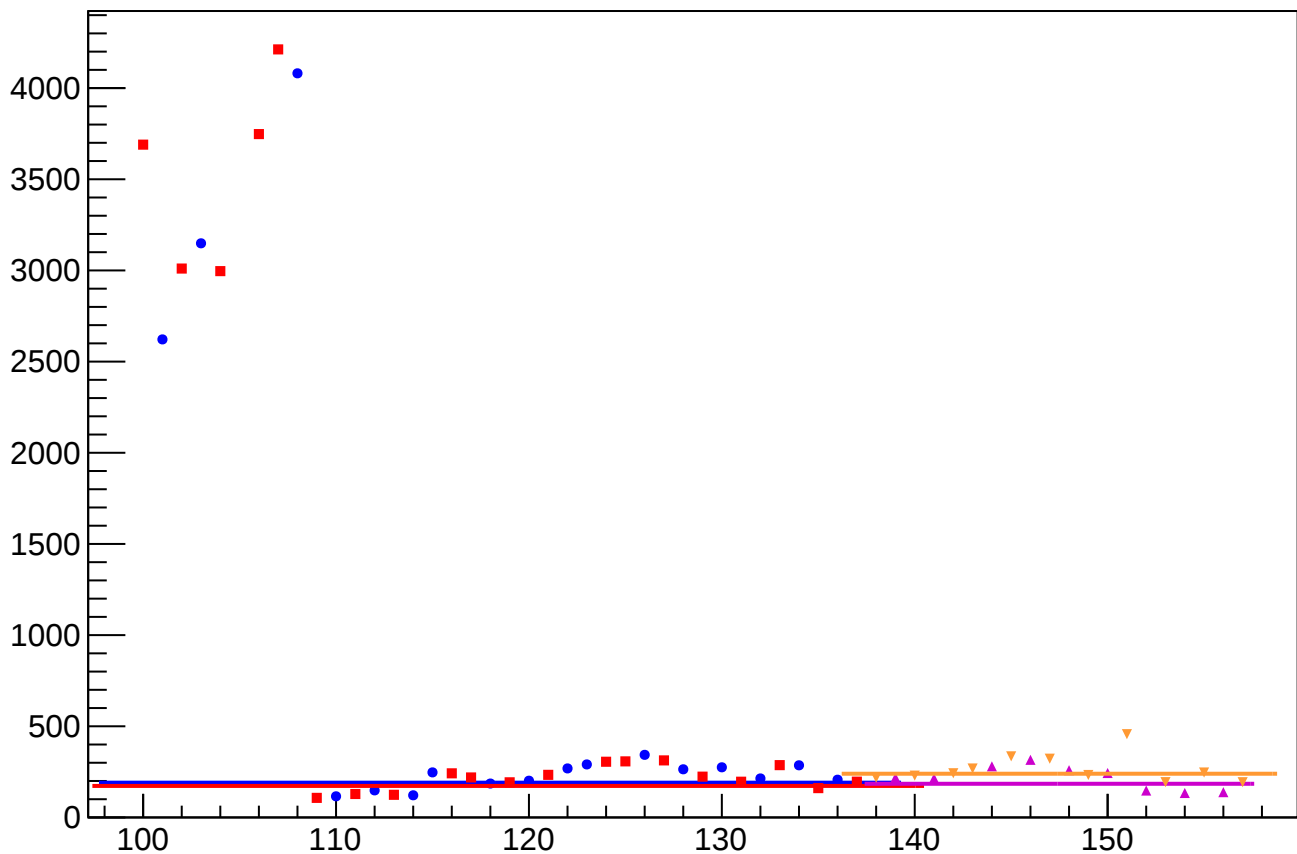
Left In: 66.580+/-73.978 χ^2/NDF : 4.5/8

62.790+/-61.974 χ^2/NDF : 16.7/27

51.096+/-40.907 χ^2/NDF : 34.2/56

42.067+/-54.455 χ^2/NDF : 17.4/28

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 190.770 +/- 0.062 χ^2/NDF : 3585034.0/16

Left Out: 239.807 +/- 0.062 χ^2/NDF : 778989.1/10

Right Out: 172.900 +/- 0.057 χ^2/NDF : 4222511.2/19

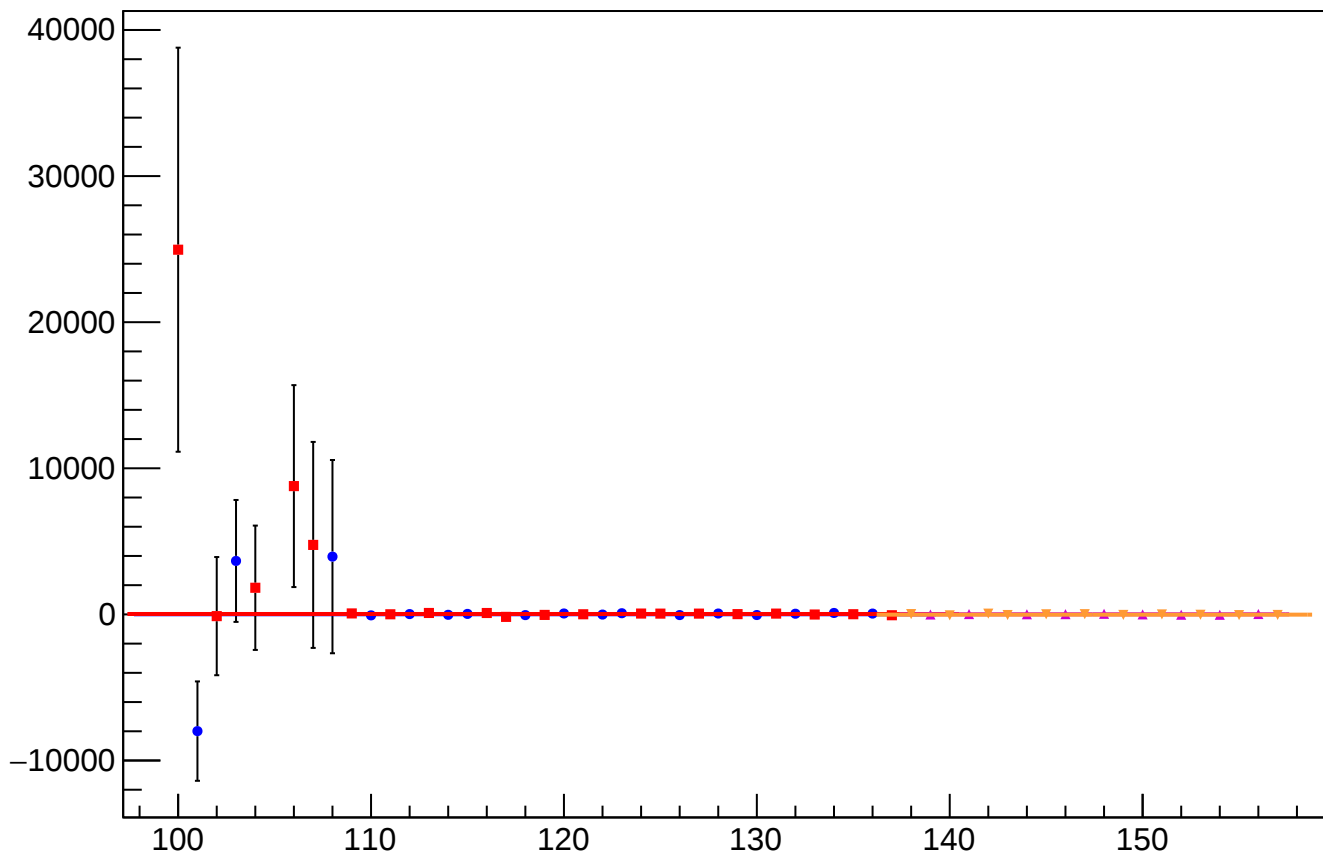
Left In: 184.686 +/- 0.052 χ^2/NDF : 1218166.9/8

215.568 +/- 0.044 χ^2/NDF : 4677025.7/27

195.094 +/- 0.029 χ^2/NDF : 10527764.0/56

179.286 +/- 0.039 χ^2/NDF : 5463936.4/28

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 8.600 $\pm$ 12.368 χ^2 /NDF: 23.2/16

Left Out: -17.321 $\pm$ 10.636 χ^2 /NDF: 8.8/10

Right Out: 27.898 $\pm$ 12.287 χ^2 /NDF: 18.8/19

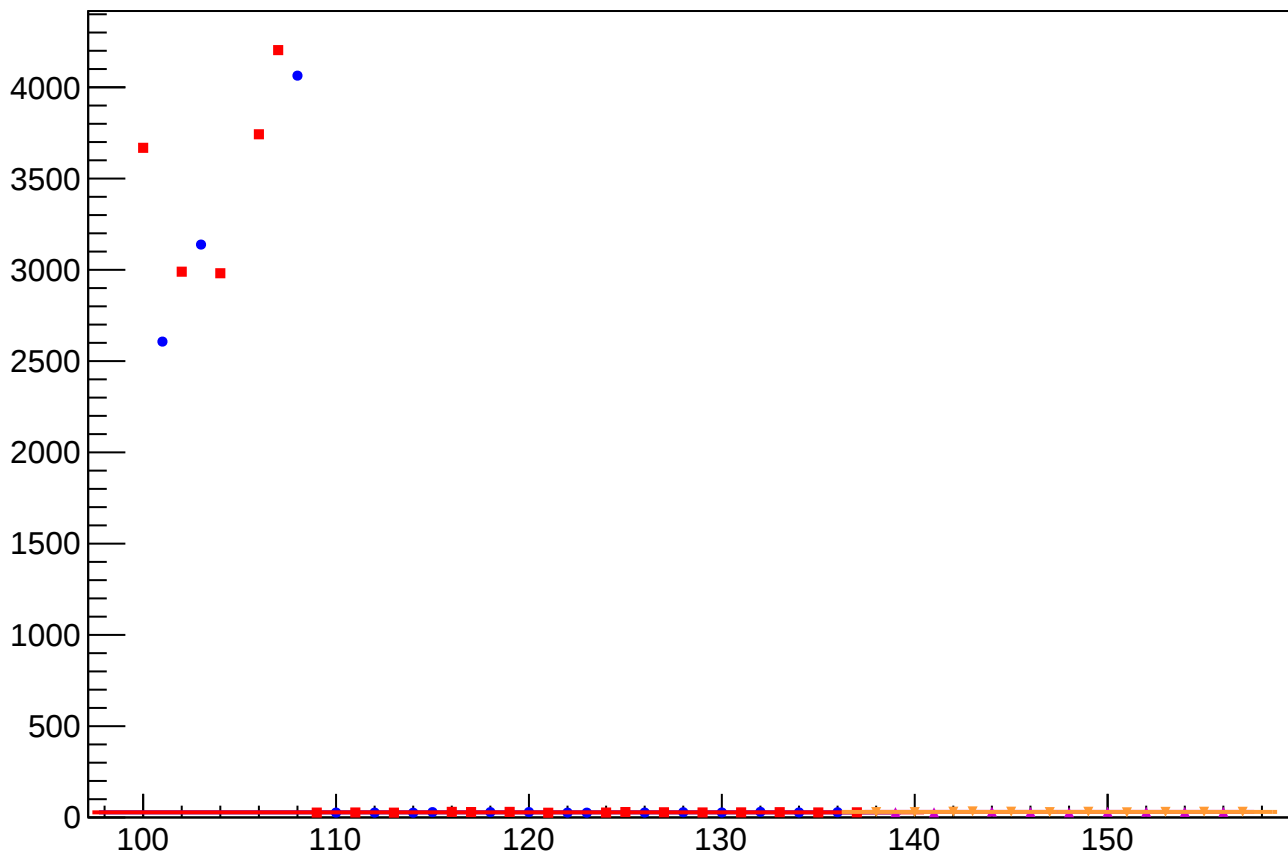
Left In: 8.178 $\pm$ 11.208 χ^2 /NDF: 3.6/8

-6.300 $\pm$ 8.064 χ^2 /NDF: 34.5/27

5.107 $\pm$ 5.777 χ^2 /NDF: 62.4/56

17.135 $\pm$ 8.280 χ^2 /NDF: 23.8/28

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 28.044 $\pm$ 0.009 χ^2 /NDF: 3027898.7/16

Left Out: 30.297 $\pm$ 0.008 χ^2 /NDF:33312.8/10

Right Out: 27.930 $\pm$ 0.009 χ^2 /NDF: 3479947.6/19

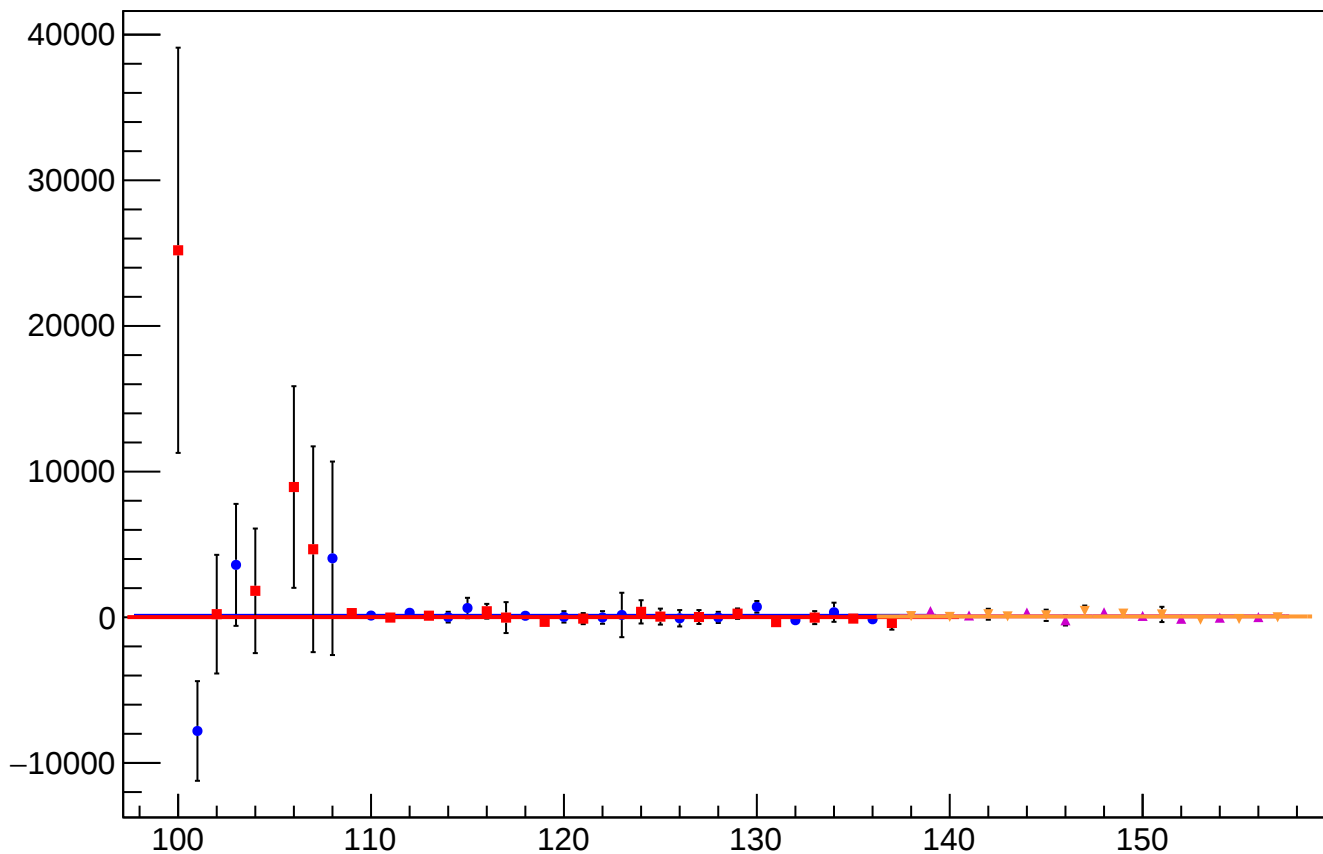
Left In: 30.330 $\pm$ 0.008 χ^2 /NDF:31606.6/8

29.339 $\pm$ 0.006 χ^2 /NDF: 3099375.2/27

29.291 $\pm$ 0.004 χ^2 /NDF: 6652721.3/56

29.240 $\pm$ 0.006 χ^2 /NDF: 3553198.4/28

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 98.142 $\pm$ 89.203 χ^2 /NDF: 12.5/16

Left Out: 56.133 $\pm$ 88.170 χ^2 /NDF: 3.3/10

Right Out: 11.533 $\pm$ 81.530 χ^2 /NDF: 12.3/19

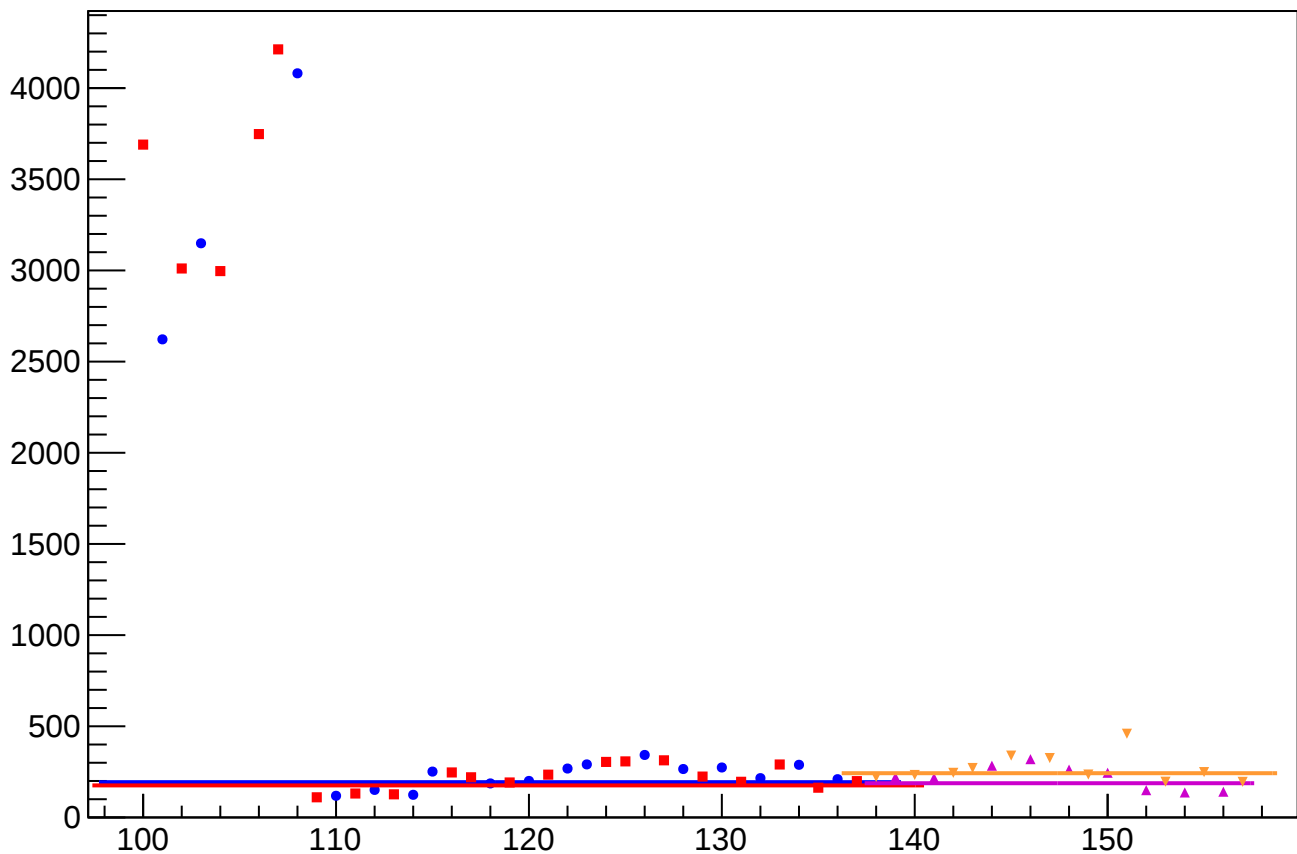
Left In: 70.726 $\pm$ 75.090 χ^2 /NDF: 5.2/8

76.893 $\pm$ 62.708 χ^2 /NDF: 15.9/27

58.122 $\pm$ 41.448 χ^2 /NDF: 33.8/56

43.559 $\pm$ 55.234 χ^2 /NDF: 17.7/28

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.516 $\pm$ 0.063 χ^2 /NDF: 3536947.8/16

Left Out: 242.709 $\pm$ 0.062 χ^2 /NDF: 772438.4/10

Right Out: 175.774 $\pm$ 0.058 χ^2 /NDF: 4169115.6/19

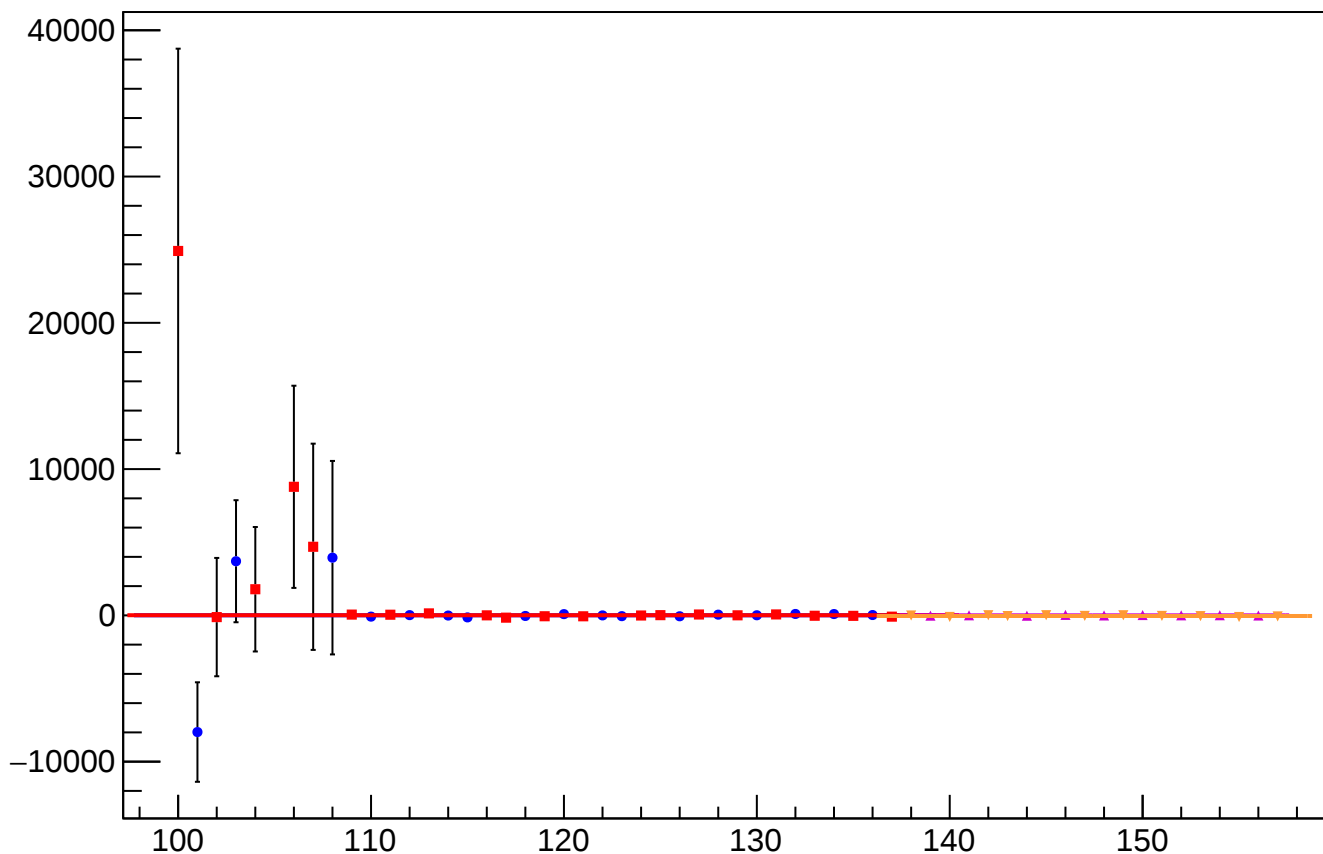
Left In: 187.754 $\pm$ 0.053 χ^2 /NDF: 1192424.5/8

218.399 $\pm$ 0.044 χ^2 /NDF: 4617045.0/27

198.046 $\pm$ 0.029 χ^2 /NDF: 10376102.3/56

182.256 $\pm$ 0.039 χ^2 /NDF: 5384904.3/28

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: -42.619 $\pm$ 12.463 χ^2 /NDF: 11.0/10

Right Out: 10.775 $\pm$ 14.891 χ^2 /NDF: 23.0/19

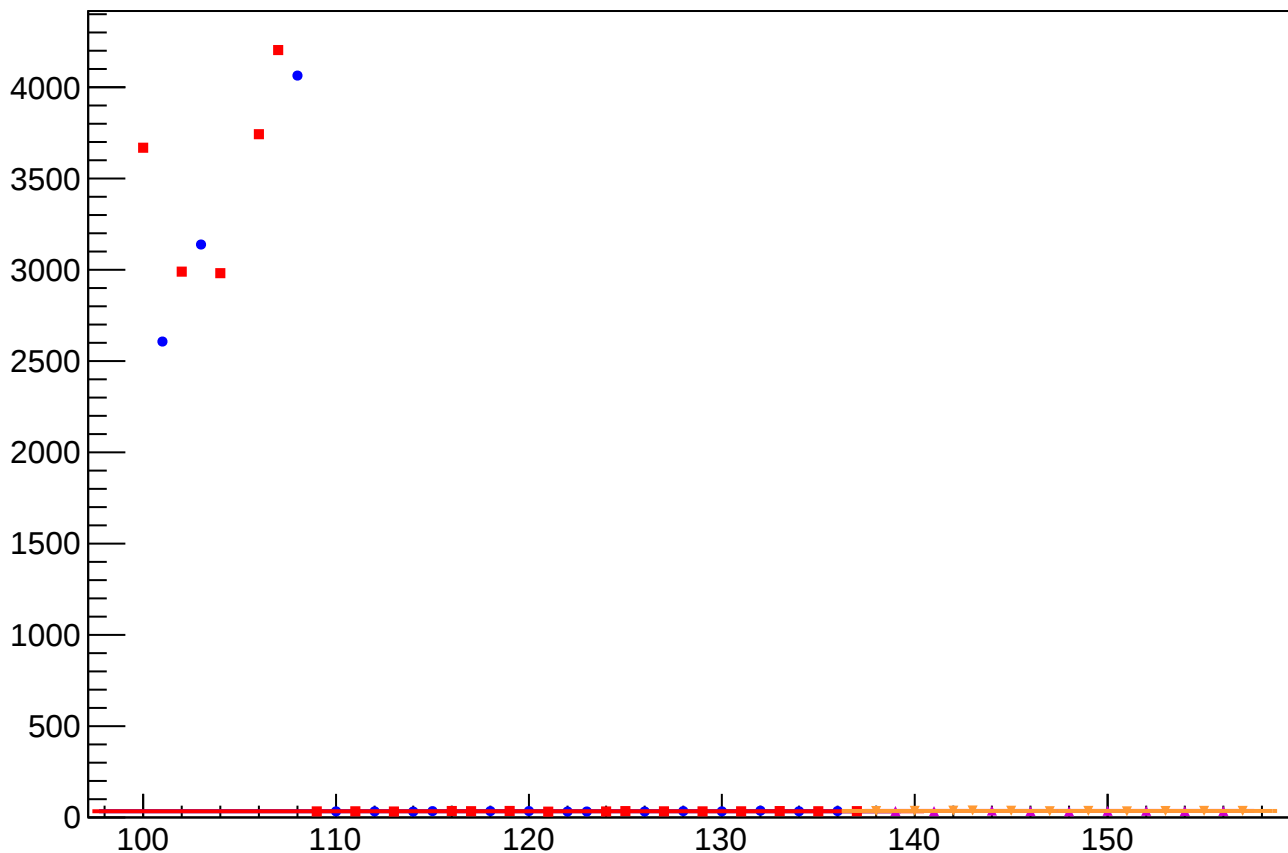
Left In: 2.676 $\pm$ 13.161 χ^2 /NDF: 1.7/8

-23.021 $\pm$ 9.599 χ^2 /NDF: 37.5/27

-8.790 $\pm$ 6.879 χ^2 /NDF: 67.0/56

6.228 $\pm$ 9.861 χ^2 /NDF: 24.9/28

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: 35.547+/-0.009 χ^2/NDF :19400.4/10

Right Out: 33.916+/-0.011 χ^2/NDF : 3451921.6/19

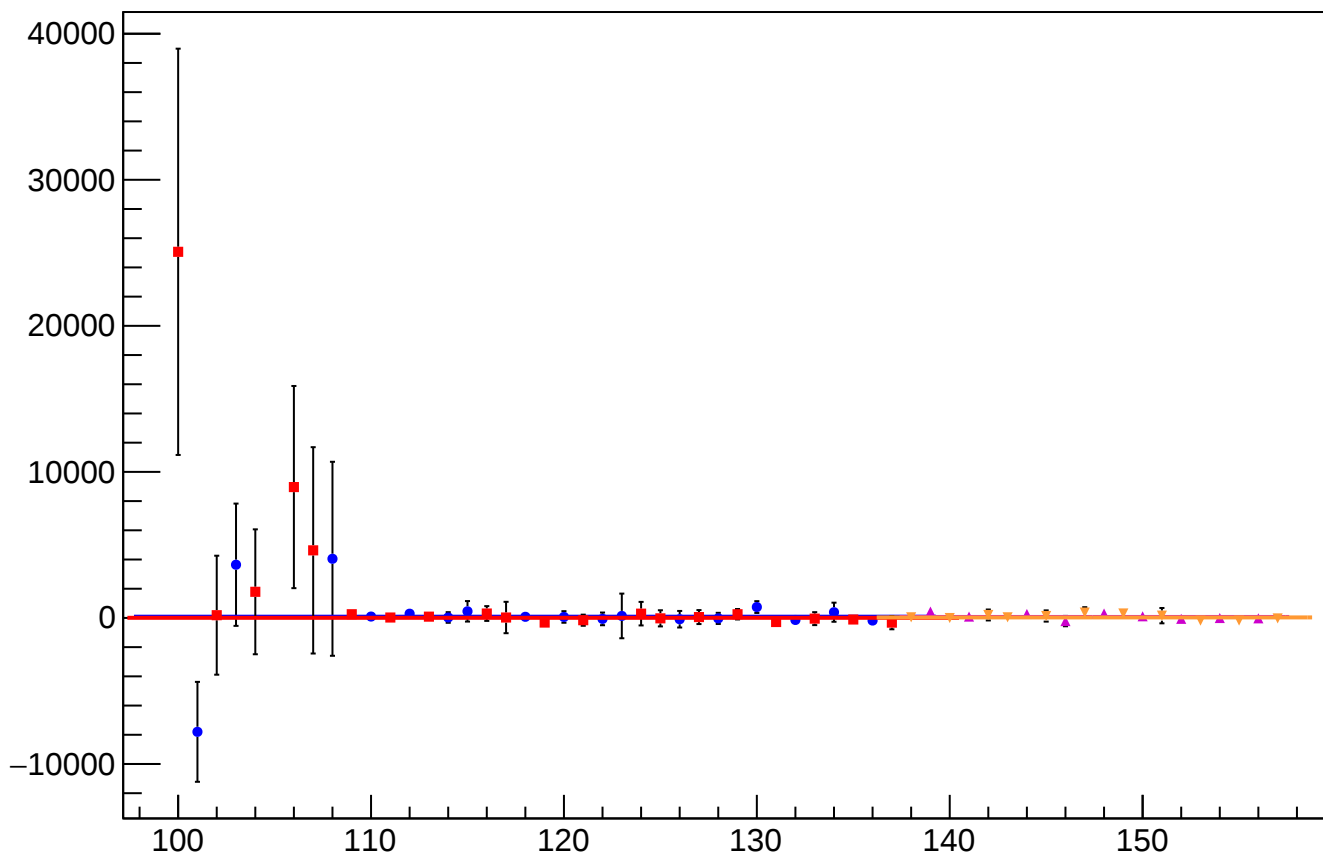
Left In: 35.675+/-0.009 χ^2/NDF :12574.4/8

34.986+/-0.007 χ^2/NDF : 3035883.1/27

34.946+/-0.005 χ^2/NDF : 6516131.8/56

34.904+/-0.007 χ^2/NDF : 3480176.8/28

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: 35.501+/-87.828 χ^2/NDF : 3.8/10

Right Out: 8.682+/-81.026 χ^2/NDF : 11.1/19

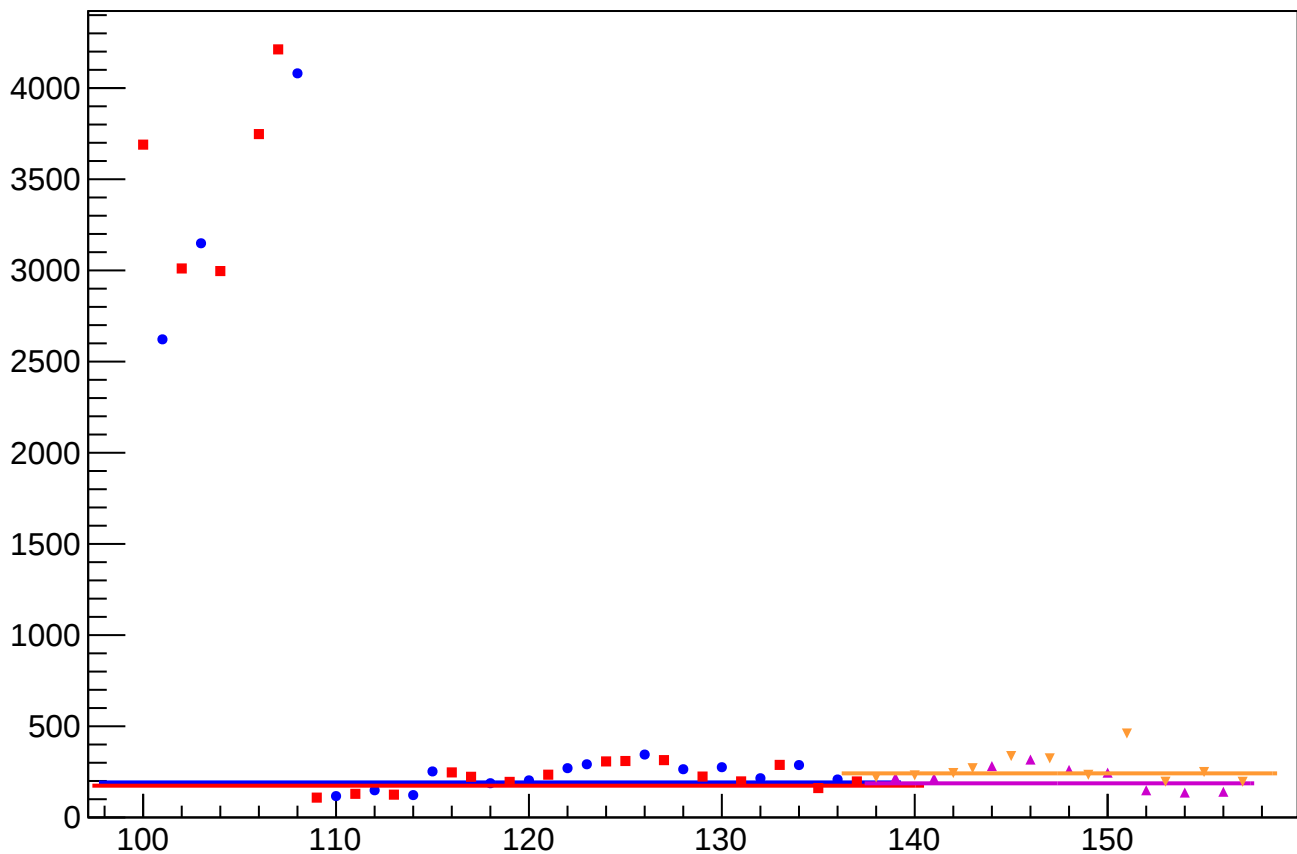
Left In: 65.989+/-74.832 χ^2/NDF : 4.7/8

59.748+/-62.426 χ^2/NDF : 16.5/27

48.405+/-41.257 χ^2/NDF : 32.6/56

39.609+/-54.974 χ^2/NDF : 16.0/28

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.177+/-0.063 χ^2/NDF : 3574617.3/16

Left Out: 241.768+/-0.062 χ^2/NDF : 769145.0/10

Right Out: 174.240+/-0.057 χ^2/NDF : 4215763.8/19

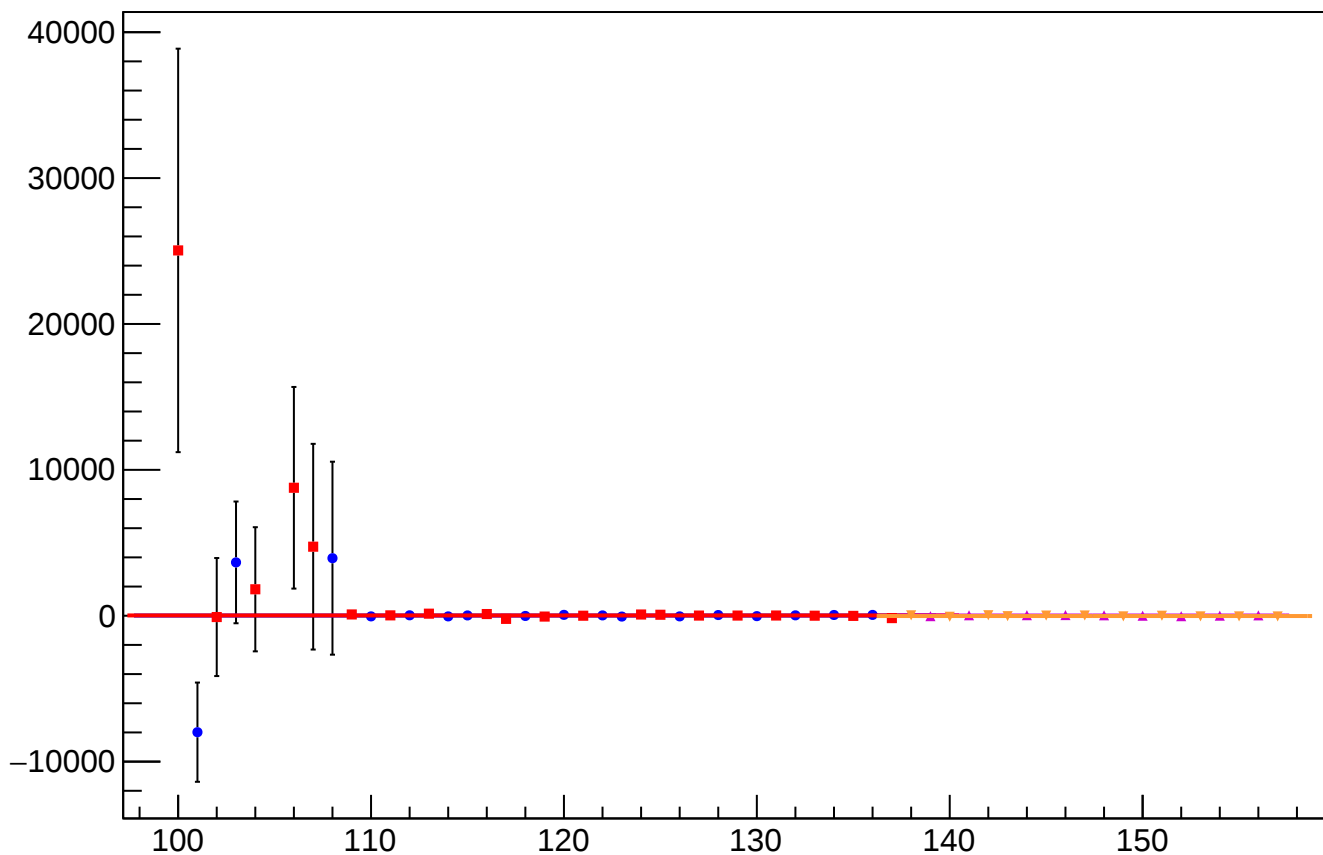
Left In: 187.124+/-0.053 χ^2/NDF : 1181561.5/8

217.231+/-0.044 χ^2/NDF : 4659271.2/27

196.933+/-0.029 χ^2/NDF : 10459293.3/56

181.193+/-0.039 χ^2/NDF : 5424616.4/28

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 12.751+/-13.723 χ^2/NDF : 14.6/16

Left Out: -20.685+/-11.373 χ^2/NDF : 8.8/10

Right Out: 20.740+/-13.606 χ^2/NDF : 30.4/19

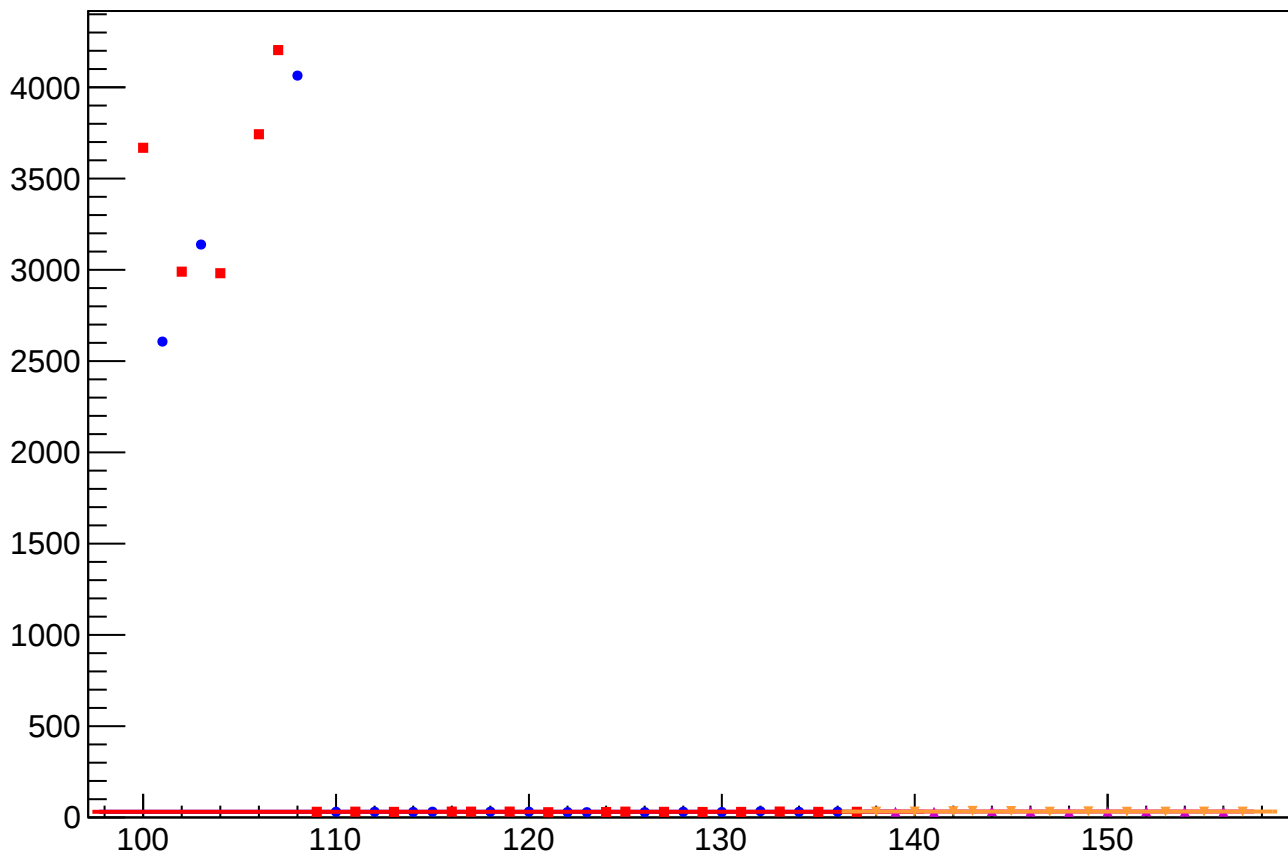
Left In: 14.225+/-12.012 χ^2/NDF : 4.5/8

-7.072+/-8.757 χ^2/NDF : 27.0/27

4.666+/-6.278 χ^2/NDF : 65.7/56

17.079+/-9.005 χ^2/NDF : 35.1/28

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 31.153+/-0.010 χ^2/NDF : 3014515.0/16

Left Out: 32.404+/-0.008 χ^2/NDF : 32941.0/10

Right Out: 30.970+/-0.010 χ^2/NDF : 3458998.2/19

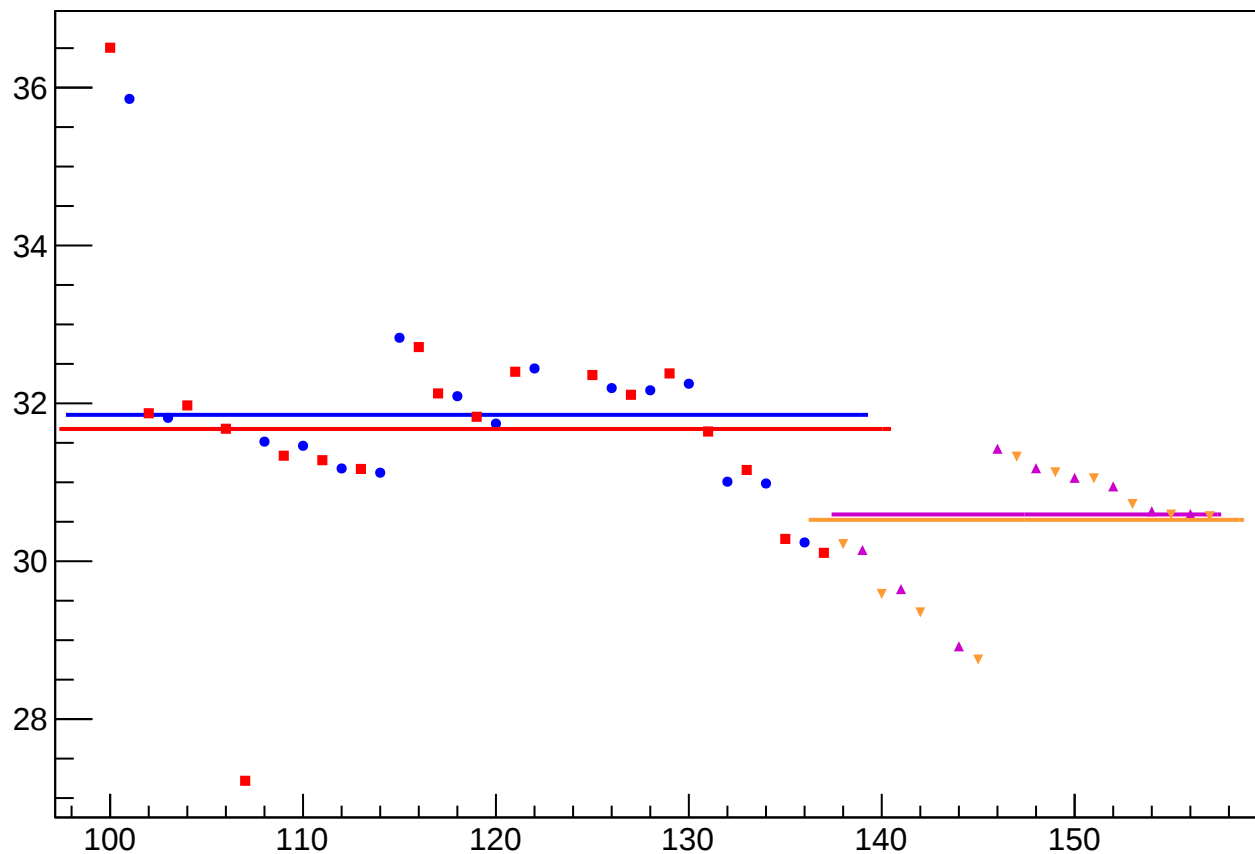
Left In: 32.505+/-0.008 χ^2/NDF : 24856.3/8

31.895+/-0.006 χ^2/NDF : 3057313.2/27

31.865+/-0.004 χ^2/NDF : 6555523.3/56

31.833+/-0.006 χ^2/NDF : 3498161.0/28

yield_usl_mean vs Slug, Sign Corrected



Right In: 31.855+/-0.000 χ^2/NDF : 1570522165.5/15

Left Out: 30.525+/-0.000 χ^2/NDF : 586610895.6/9

Right Out: 31.676+/-0.000 χ^2/NDF : 919678295.7/18

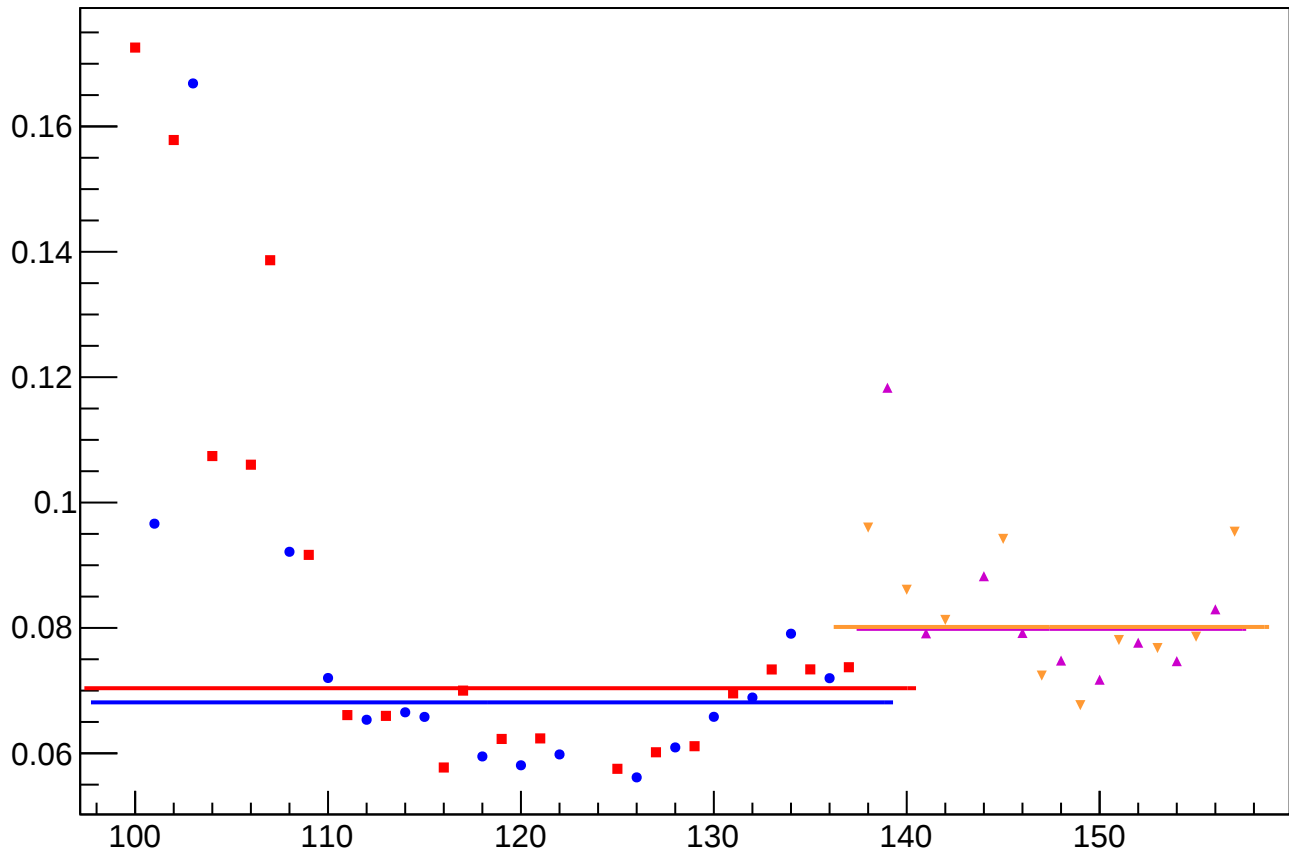
Left In: 30.593+/-0.000 χ^2/NDF : 560969668.0/8

31.252+/-0.000 χ^2/NDF : 3153450389.6/25

31.215+/-0.000 χ^2/NDF : 5290578441.8/5

31.177+/-0.000 χ^2/NDF : 2130659638.1/27

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068 $\pm$ 0.000 χ^2/NDF : 629767.4/15

Left Out: 0.080 $\pm$ 0.000 χ^2/NDF : 178212.3/9

Right Out: 0.070 $\pm$ 0.000 χ^2/NDF : 841322.7/18

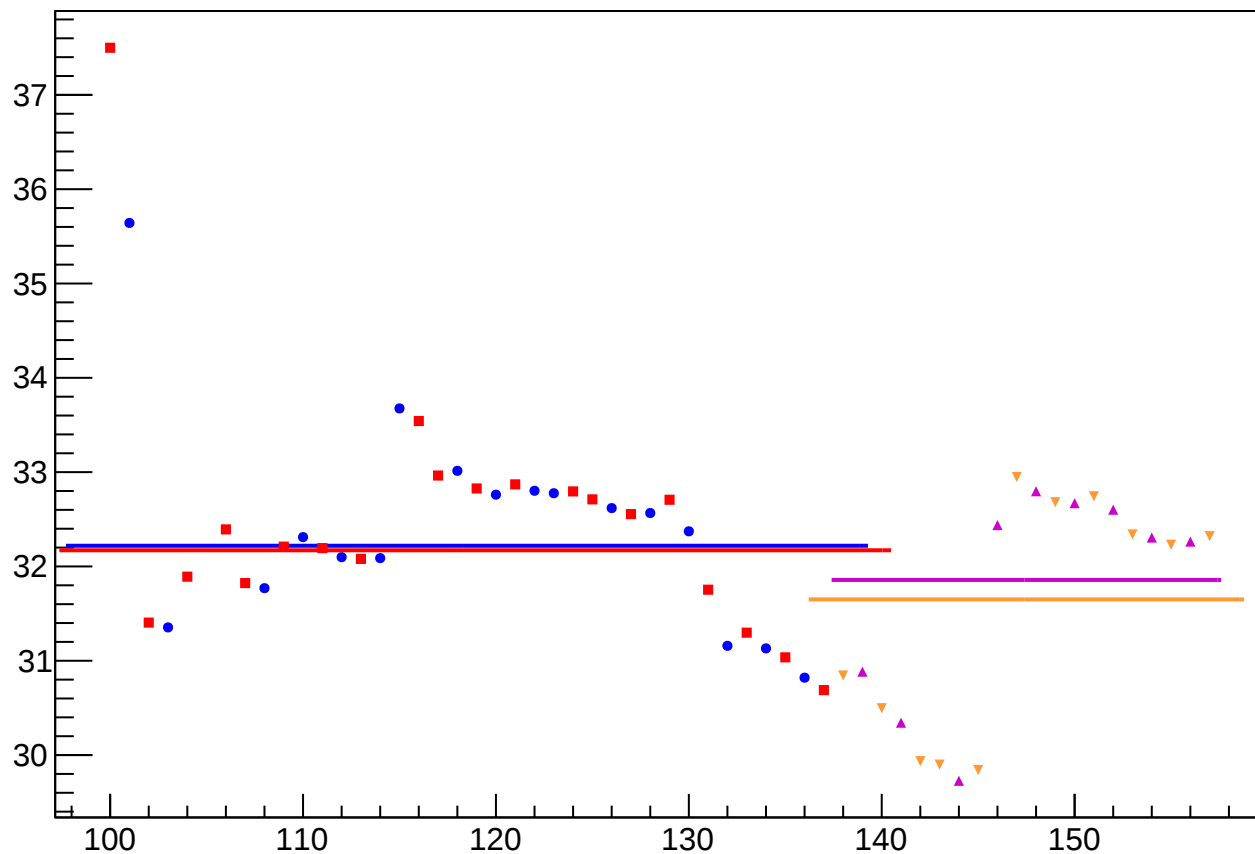
Left In: 0.080 $\pm$ 0.000 χ^2/NDF : 198849.0/8

0.074 $\pm$ 0.000 χ^2/NDF : 971023.9/25

0.074 $\pm$ 0.000 χ^2/NDF : 2113708.2/53

0.075 $\pm$ 0.000 χ^2/NDF : 1139574.7/27

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.220+/-0.000 χ^2/NDF : 1013864543.3/16

Left Out: 31.650+/-0.000 χ^2/NDF : 1694519120.4/10

Right Out: 32.171+/-0.000 χ^2/NDF : 444137990.6/19

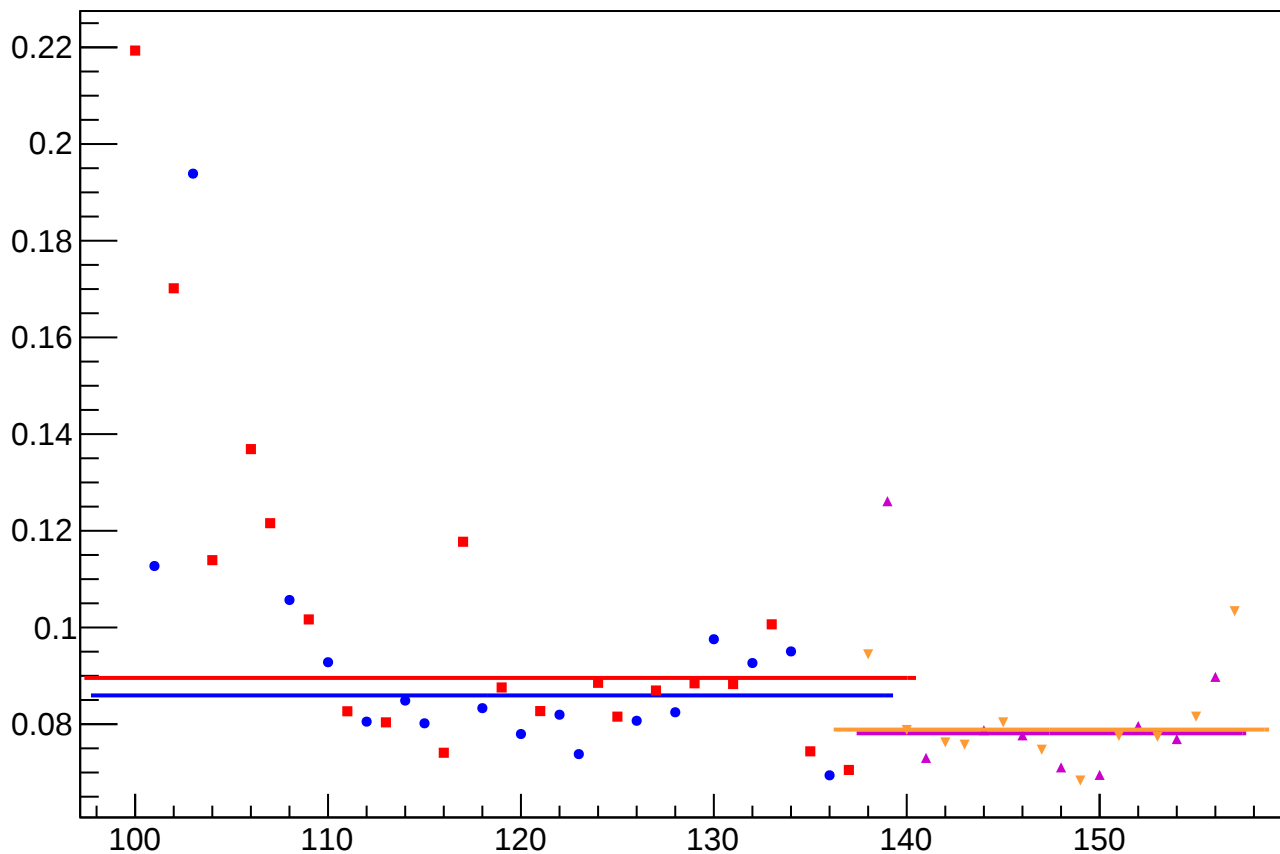
Left In: 31.857+/-0.000 χ^2/NDF : 1335813850.4/8

31.880+/-0.000 χ^2/NDF : 2860023194.4/27

31.932+/-0.000 χ^2/NDF : 4695586630.1/5

31.987+/-0.000 χ^2/NDF : 1824574854.7/28

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086 ± 0.000 $\chi^2/\text{NDF}: 553280.3/16$

Left Out: 0.079 ± 0.000 $\chi^2/\text{NDF}: 154904.2/10$

Right Out: 0.090 ± 0.000 $\chi^2/\text{NDF}: 544516.7/19$

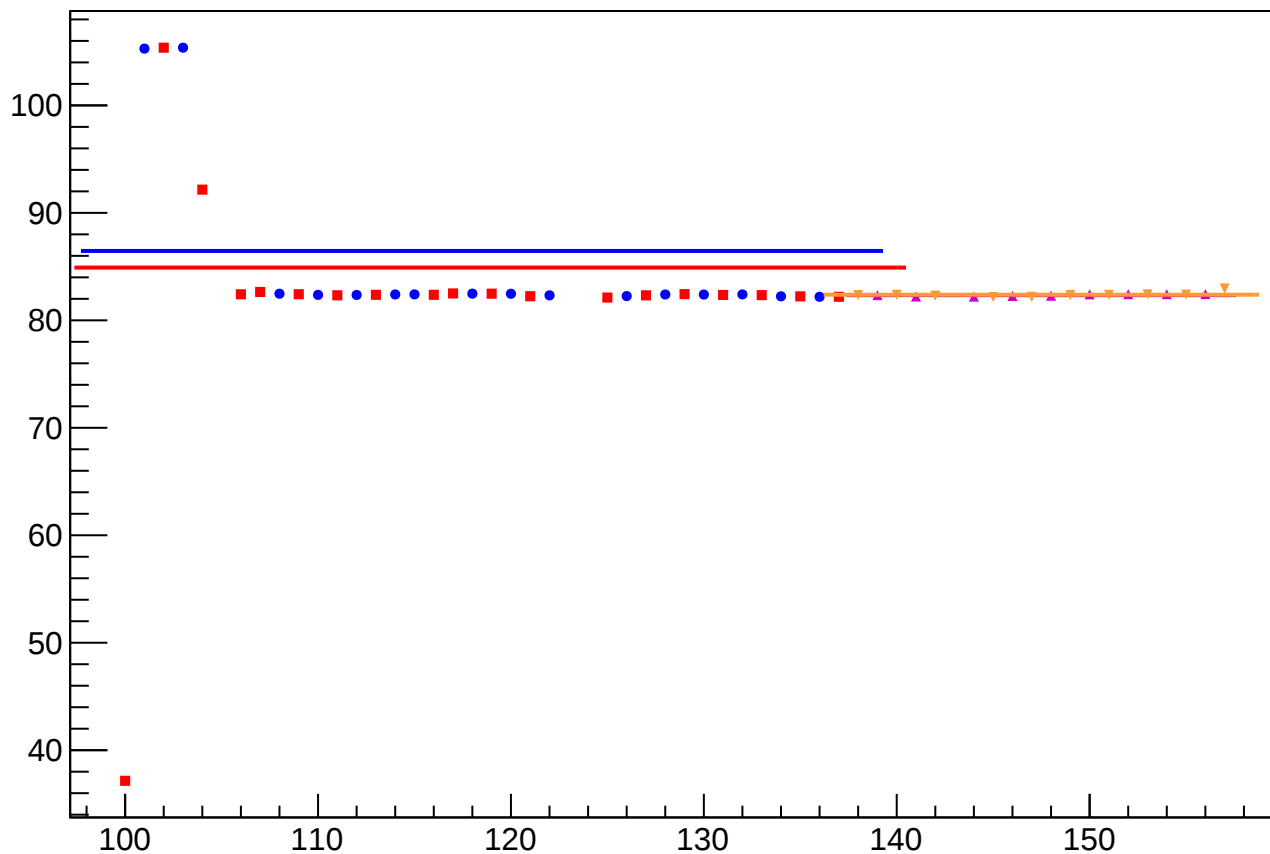
Left In: 0.078 ± 0.000 $\chi^2/\text{NDF}: 275473.6/8$

0.082 ± 0.000 $\chi^2/\text{NDF}: 754938.1/27$

0.082 ± 0.000 $\chi^2/\text{NDF}: 1695716.9/56$

0.083 ± 0.000 $\chi^2/\text{NDF}: 938347.9/28$

yield_dsl_mean vs Slug, Sign Corrected



Right In: 86.457 $\pm$ 0.000 χ^2/NDF : 291421048436.2/15

Left Out: 82.384 $\pm$ 0.000 χ^2/NDF : 149520566.7/9

Right Out: 84.908 $\pm$ 0.000 χ^2/NDF : 172306803858.3/18

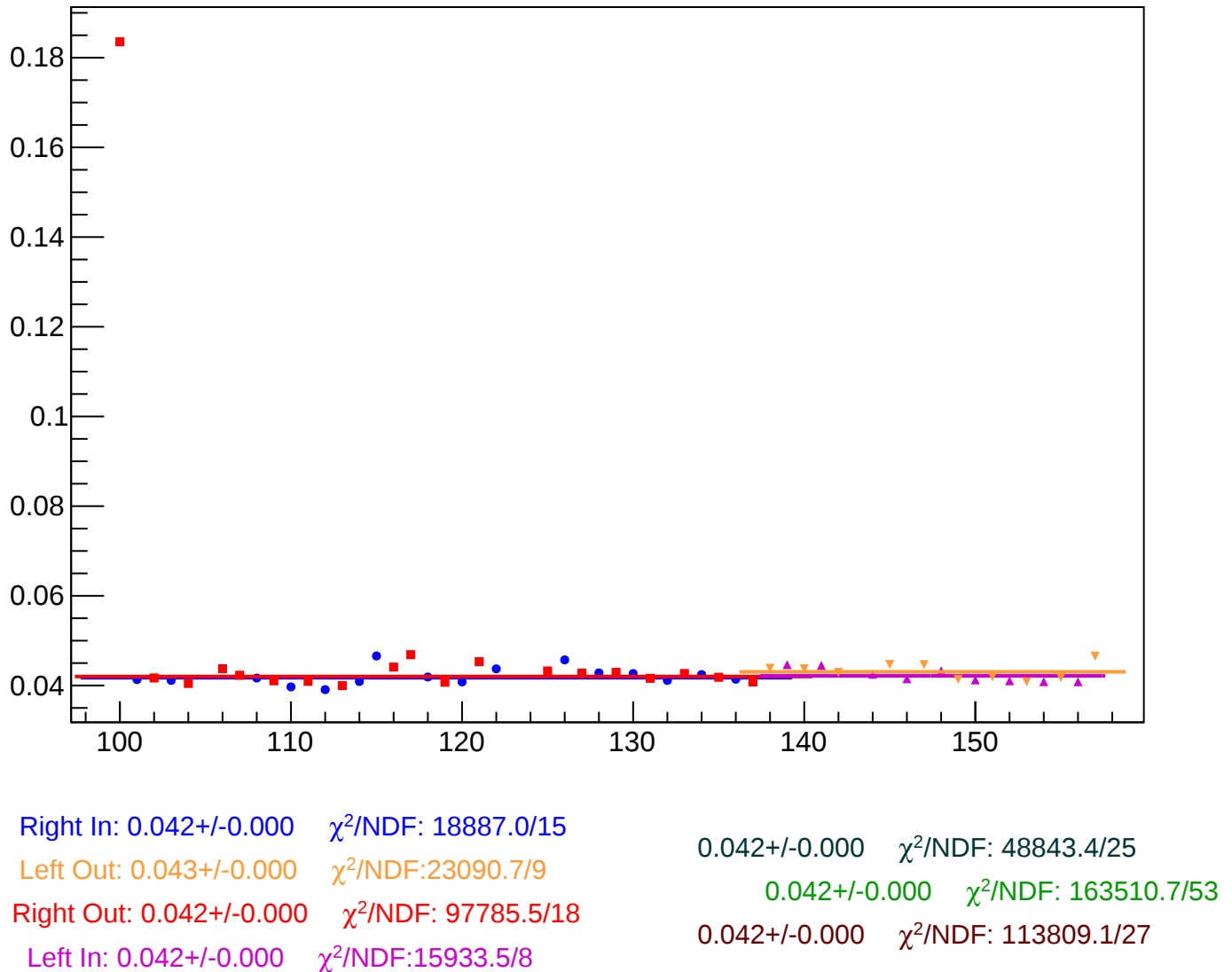
Left In: 82.344 $\pm$ 0.000 χ^2/NDF : 34157819.5/8

84.368 $\pm$ 0.000 χ^2/NDF : 323628599653.9/25

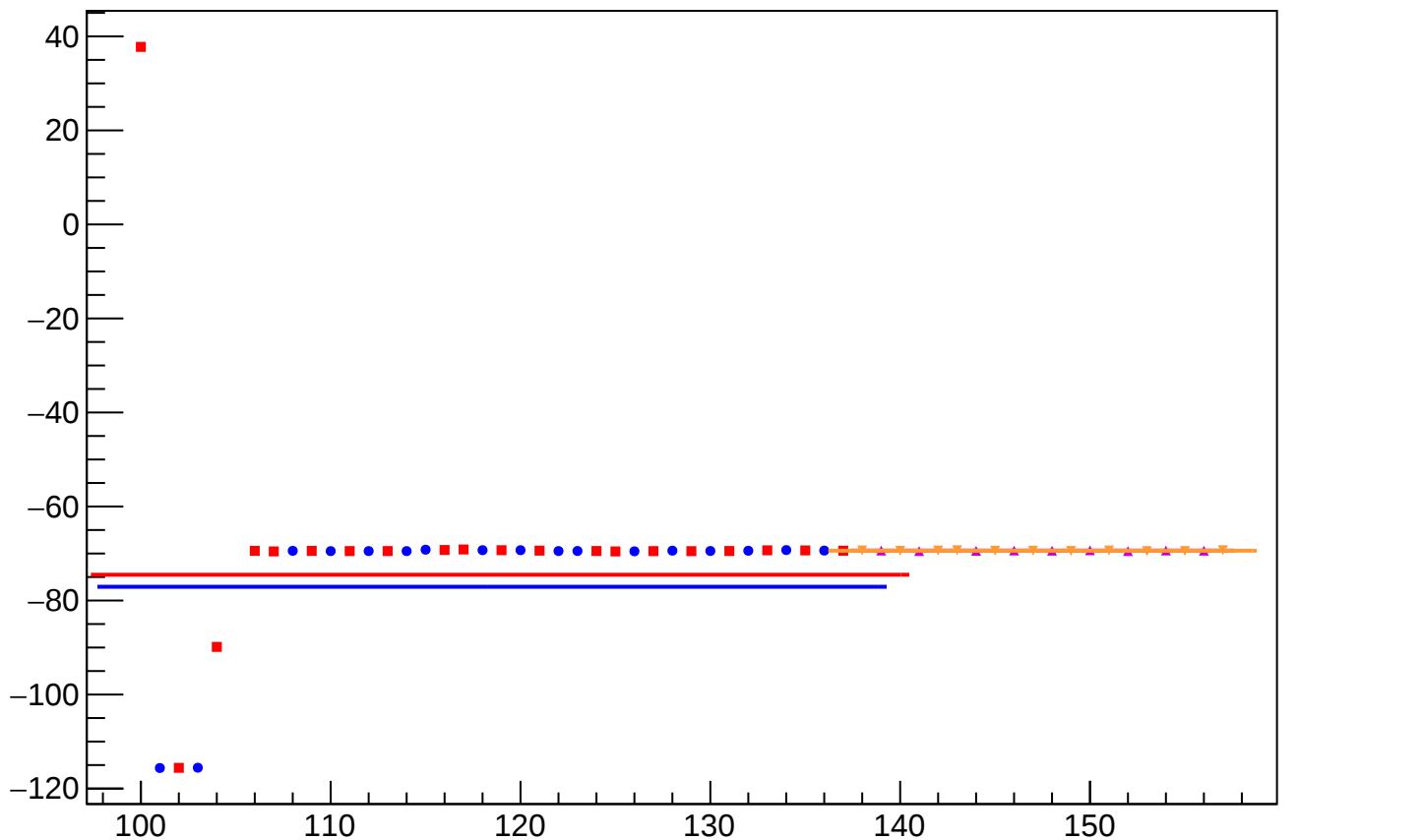
83.976 $\pm$ 0.000 χ^2/NDF : 511483059368.7

83.598 $\pm$ 0.000 χ^2/NDF : 185520163000.4/27

yield_dsl_rms vs Slug, Sign Corrected



yield_dsr_mean vs Slug, Sign Corrected



Right In: -77.074 $\pm$ 0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.403 $\pm$ 0.000 χ^2/NDF : 8918571.5/10

Right Out: -74.518 $\pm$ 0.000 χ^2/NDF : 372210051226.2/19

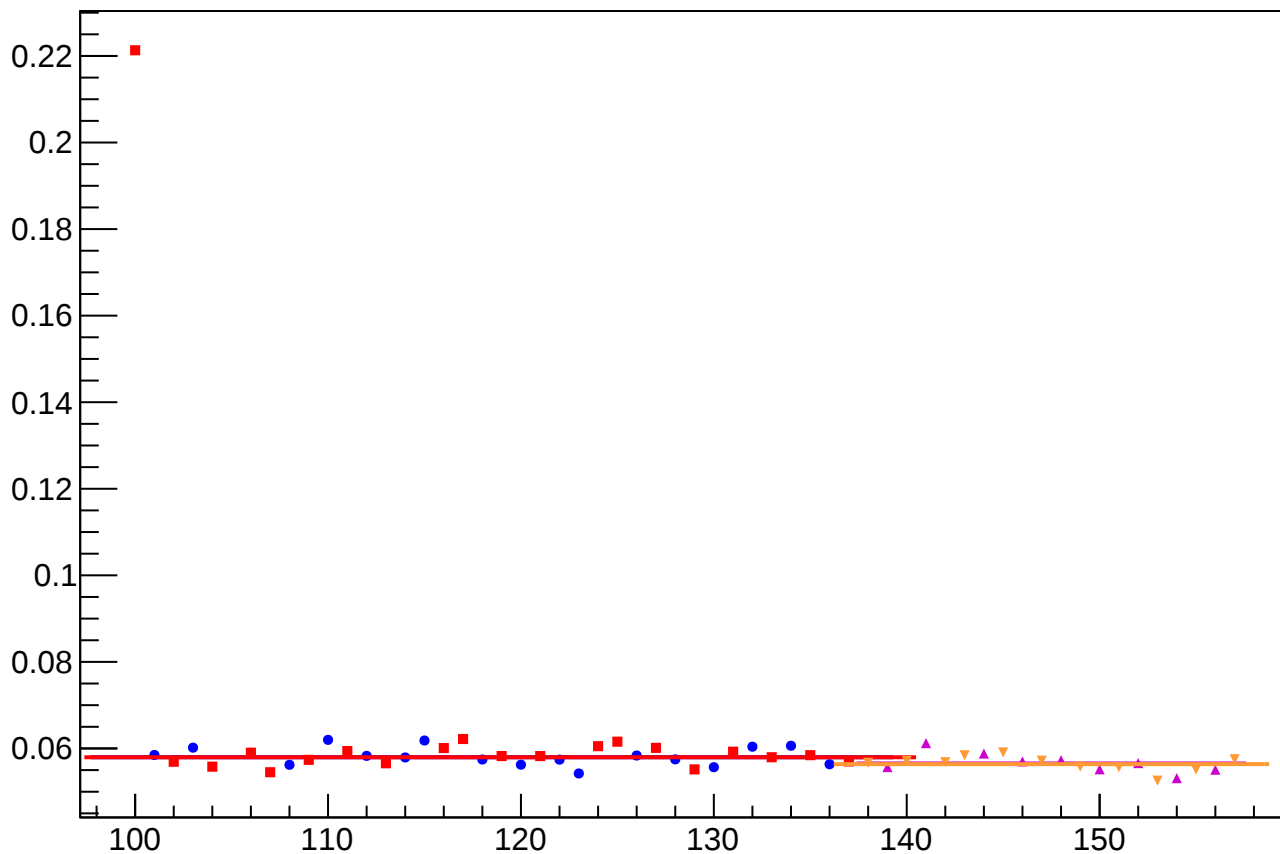
Left In: -69.388 $\pm$ 0.000 χ^2/NDF : 5935595.5/8

-72.750 $\pm$ 0.000 χ^2/NDF : 628918027468.5/27

-72.307 $\pm$ 0.000 χ^2/NDF : 1030970841600.0/27

-71.851 $\pm$ 0.000 χ^2/NDF : 400302418443.7/28

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058 ± 0.000 $\chi^2/\text{NDF}: 12275.6/16$

Left Out: 0.056 ± 0.000 $\chi^2/\text{NDF}: 15144.0/10$

Right Out: 0.058 ± 0.000 $\chi^2/\text{NDF}: 86860.7/19$

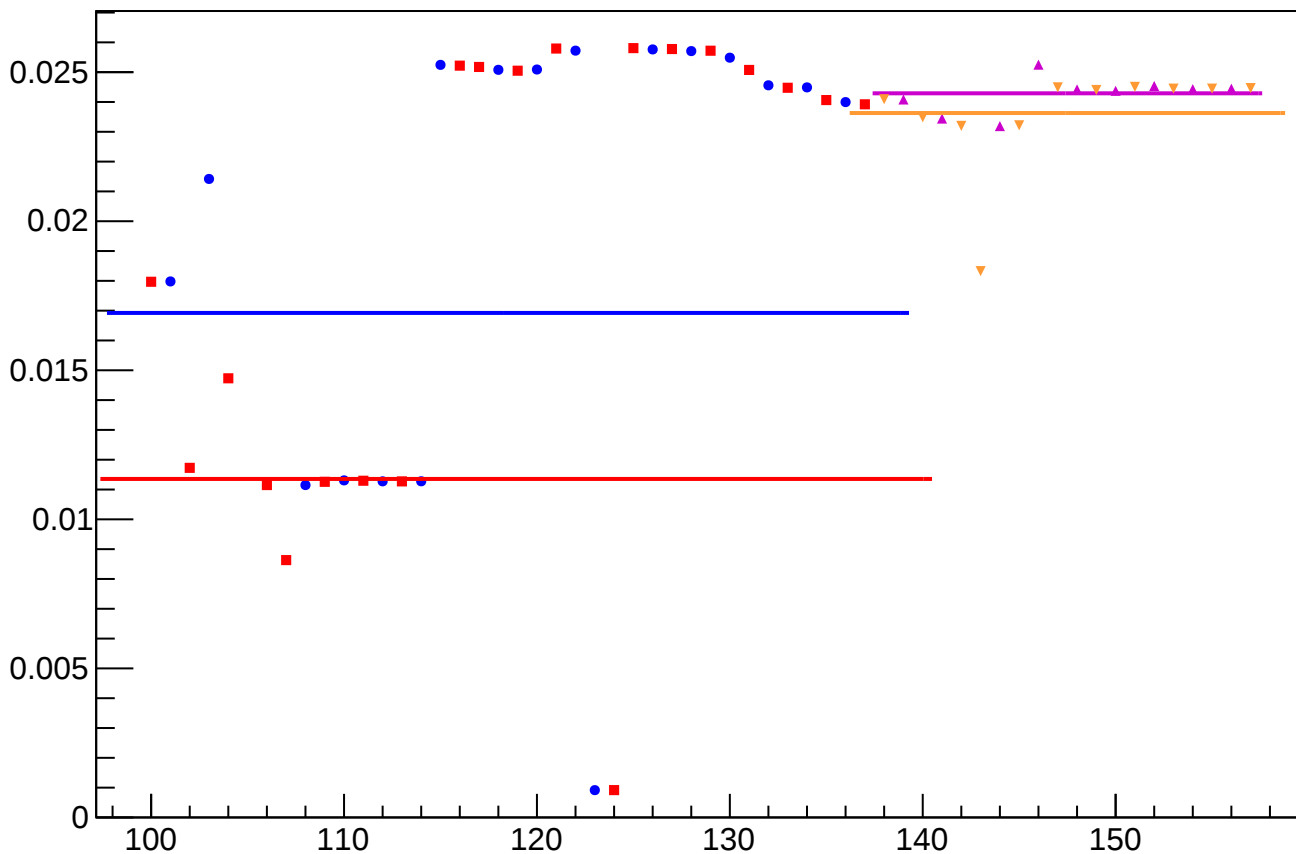
Left In: 0.057 ± 0.000 $\chi^2/\text{NDF}: 21492.3/8$

0.057 ± 0.000 $\chi^2/\text{NDF}: 32918.1/27$

0.057 ± 0.000 $\chi^2/\text{NDF}: 145764.6/56$

0.057 ± 0.000 $\chi^2/\text{NDF}: 112754.5/28$

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.017 $\pm$ 0.000 χ^2 /NDF: 126447785006.7/16

Left Out: 0.024 $\pm$ 0.000 χ^2 /NDF: 4842953740.3/10

0.020 $\pm$ 0.000 χ^2 /NDF: 167005289167.9/27

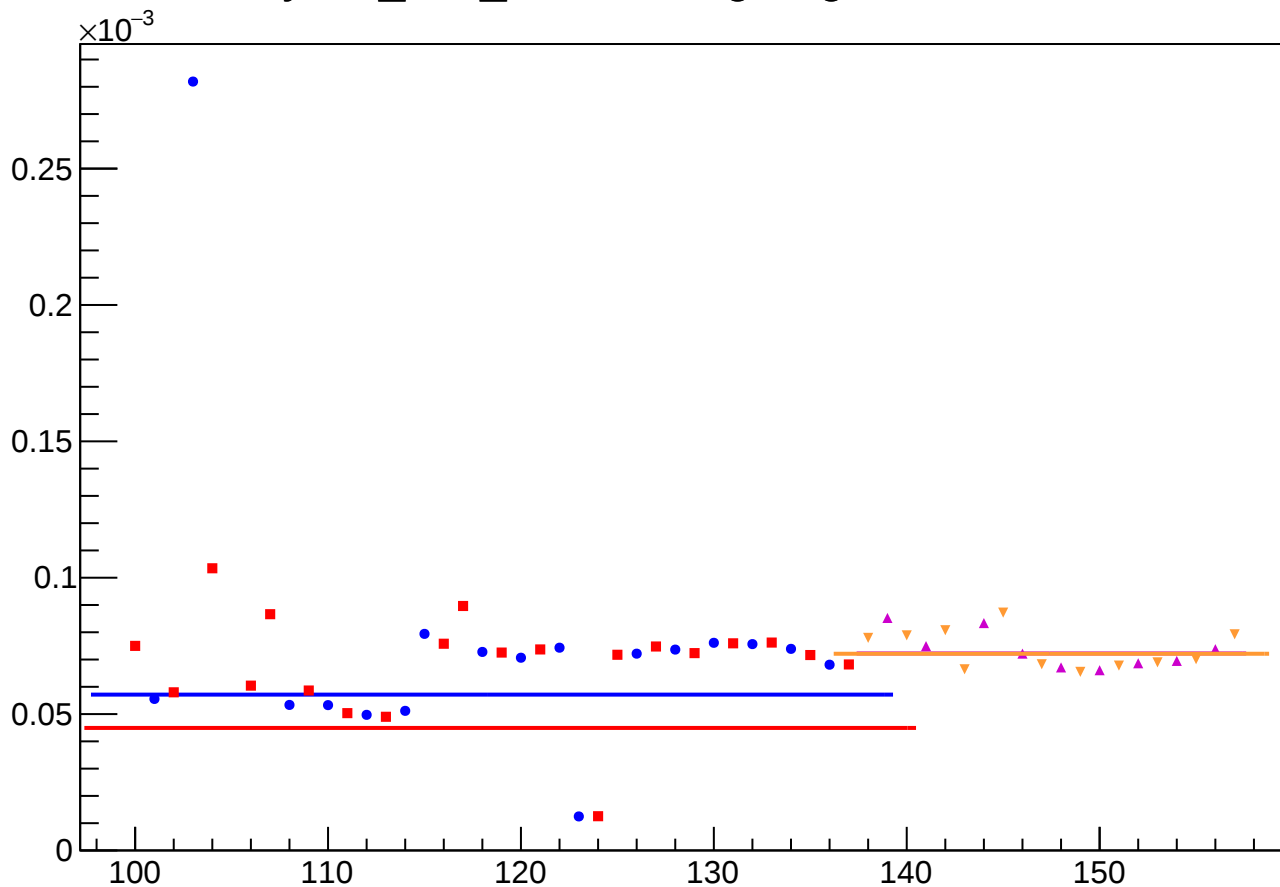
Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 235754579473.9/19

0.018 $\pm$ 0.000 χ^2 /NDF: 577483262966.3/28

0.016 $\pm$ 0.000 χ^2 /NDF: 382276963939.9/28

Left In: 0.024 $\pm$ 0.000 χ^2 /NDF: 413995344.3/8

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 :125743.6/10

Right Out: 0.000+/-0.000 χ^2/NDF : 3613155.3/19

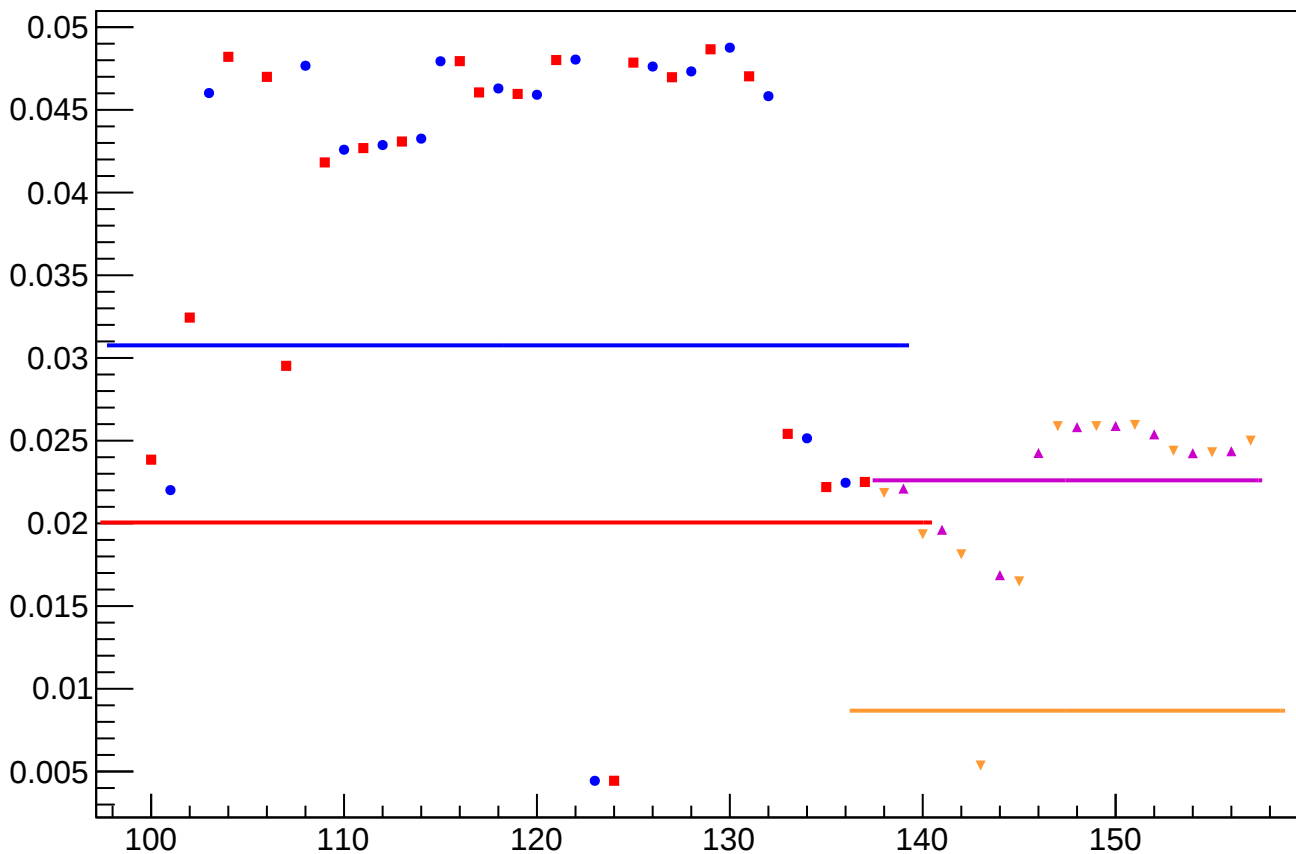
Left In: 0.000+/-0.000 χ^2/NDF :96697.1/8

0.000+/-0.000 χ^2/NDF : 2482741.3/27

0.000+/-0.000 χ^2/NDF : 7799216.7/56

0.000+/-0.000 χ^2/NDF : 5012551.0/28

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.000 χ^2/NDF : 21174738549.0/16

Left Out: 0.009+/-0.000 χ^2/NDF : 20831225990.8/10

Right Out: 0.020+/-0.000 χ^2/NDF : 40133684916.8/19

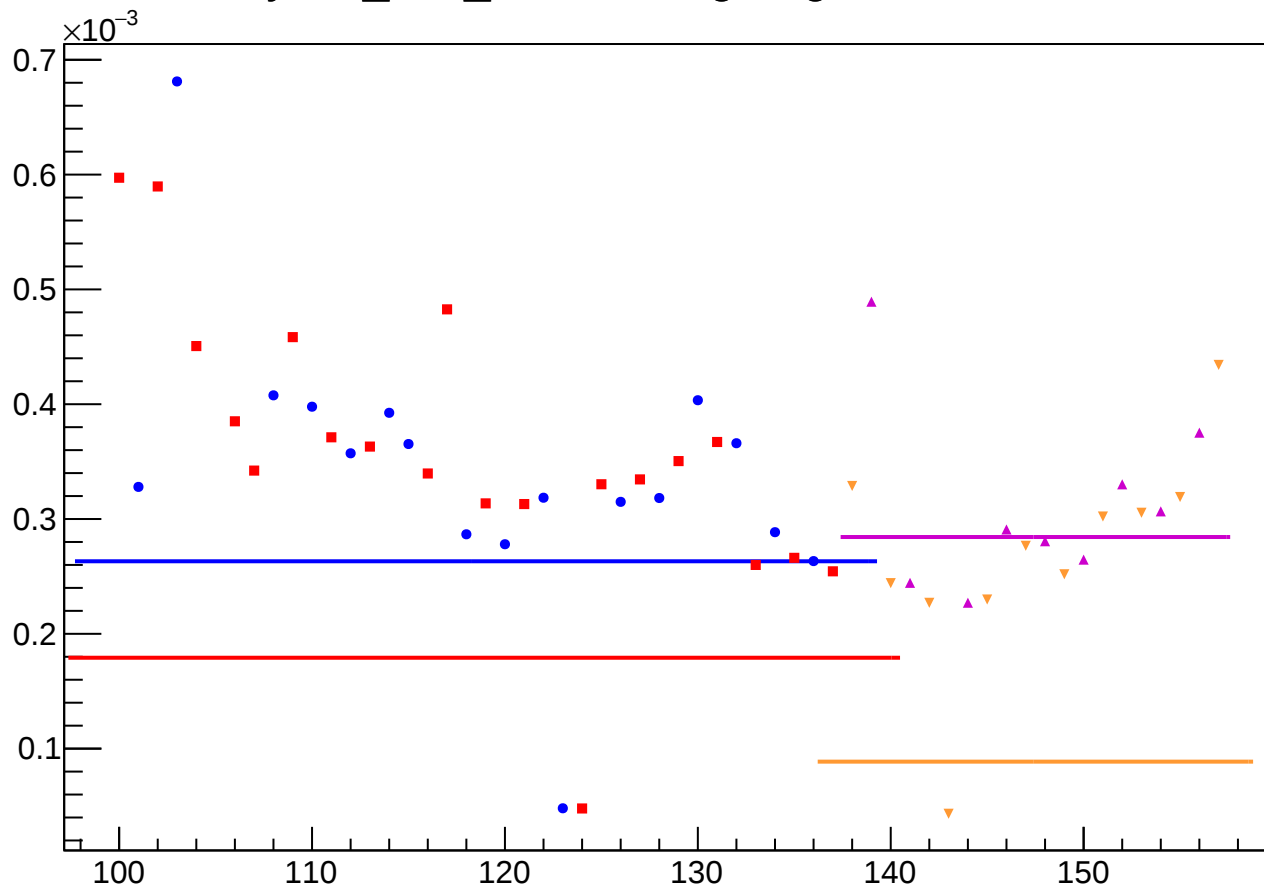
Left In: 0.023+/-0.000 χ^2/NDF : 941592378.5/8

0.012+/-0.000 χ^2/NDF : 71679060783.9/27

0.014+/-0.000 χ^2/NDF : 125342013239.8/27

0.021+/-0.000 χ^2/NDF : 41384406951.9/28

yield_atl2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 2401048.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 7753006.1/10

Right Out: 0.000+/-0.000 χ^2/NDF : 5374355.8/19

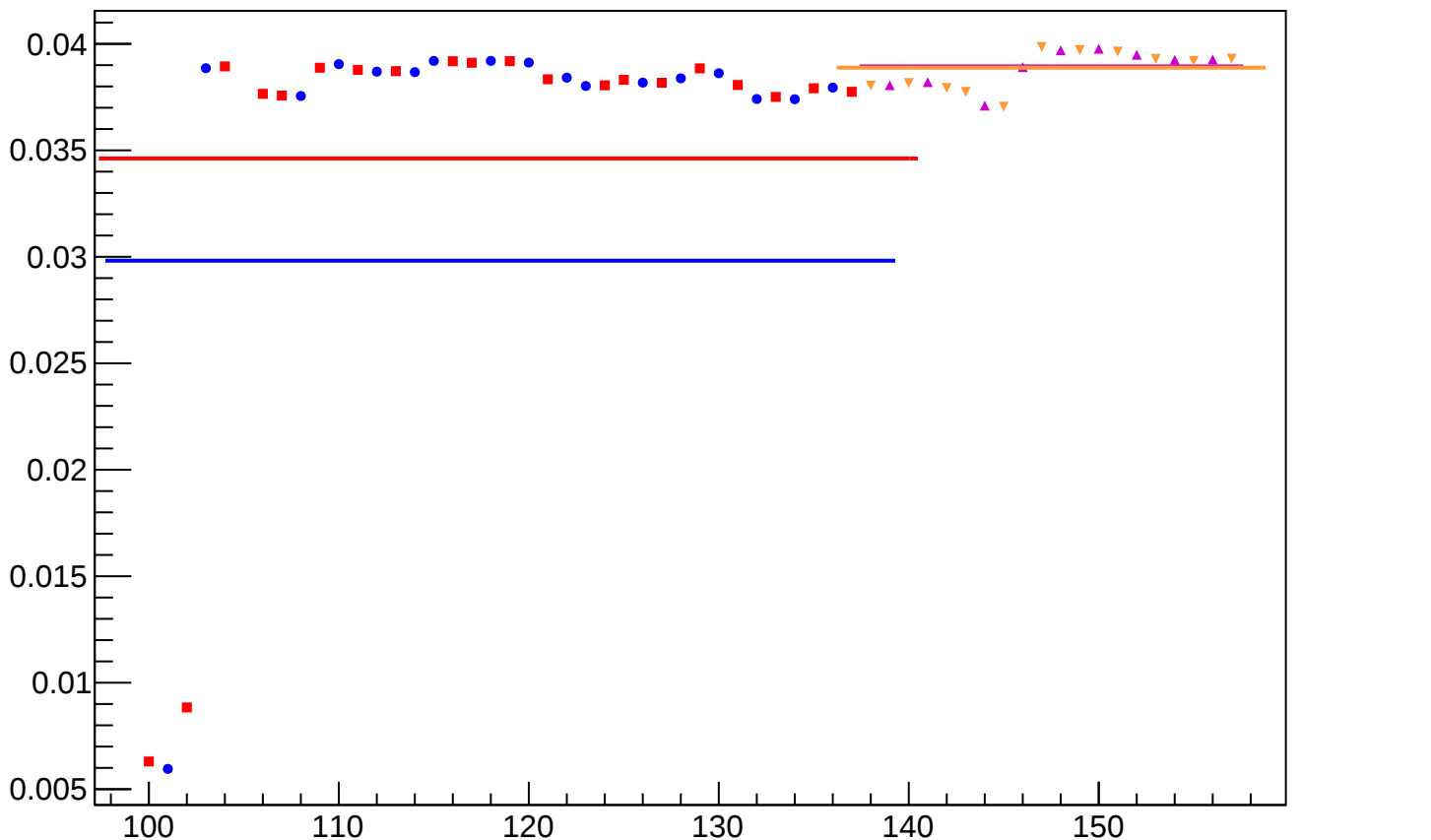
Left In: 0.000+/-0.000 χ^2/NDF : 512140.9/8

0.000+/-0.000 χ^2/NDF : 13860242.1/27

0.000+/-0.000 χ^2/NDF : 24143807.9/56

0.000+/-0.000 χ^2/NDF : 6938996.4/28

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 97152184939.3/16

Left Out: 0.039 $\pm$ 0.000 χ^2 /NDF: 330161398.2/10

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 43717644957.2/19

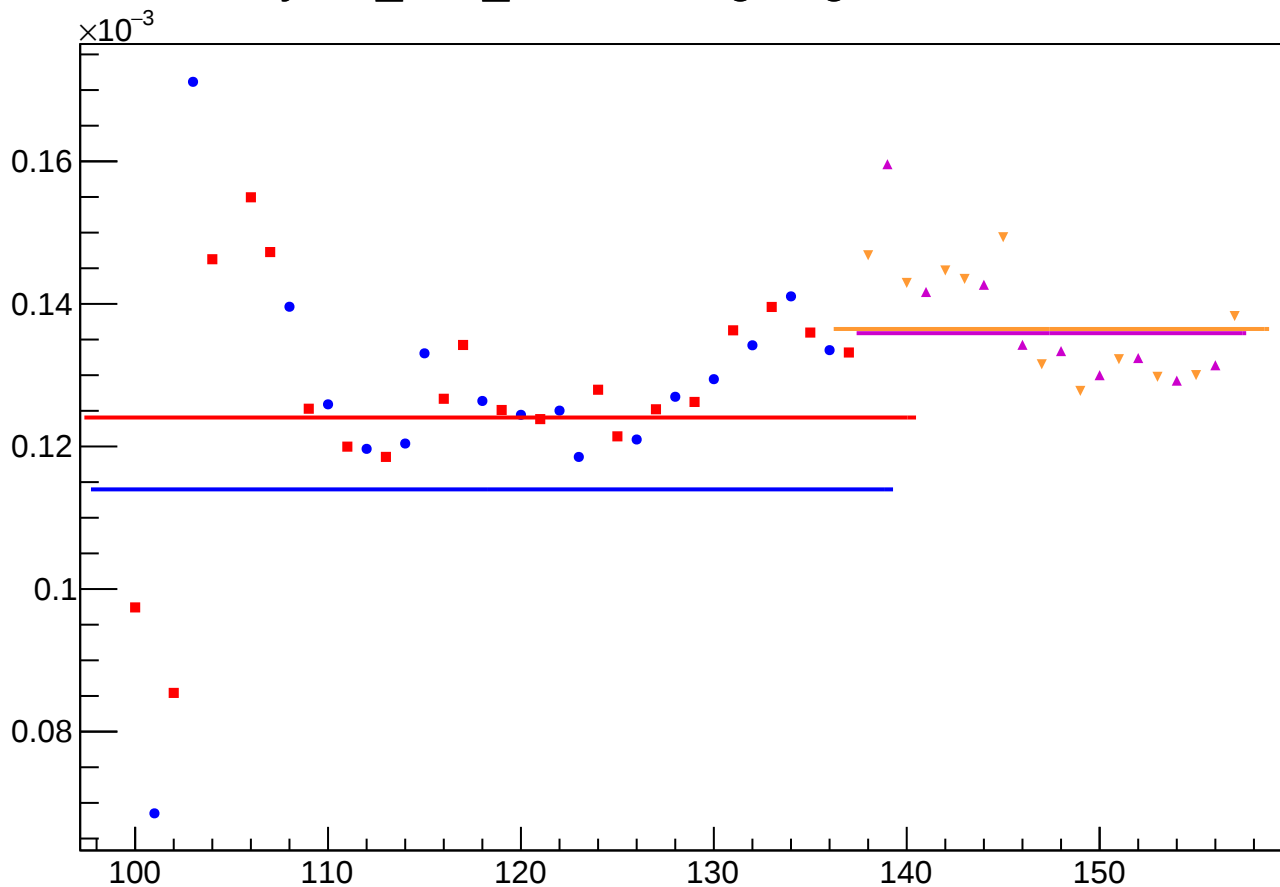
Left In: 0.039 $\pm$ 0.000 χ^2 /NDF: 264341267.8/8

0.034 $\pm$ 0.000 χ^2 /NDF: 115803642637.6/27

0.035 $\pm$ 0.000 χ^2 /NDF: 166412223034.3/3

0.037 $\pm$ 0.000 χ^2 /NDF: 47810120709.1/28

yield_atr1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 794542.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 46070.8/10

Right Out: 0.000+/-0.000 χ^2/NDF : 245649.5/19

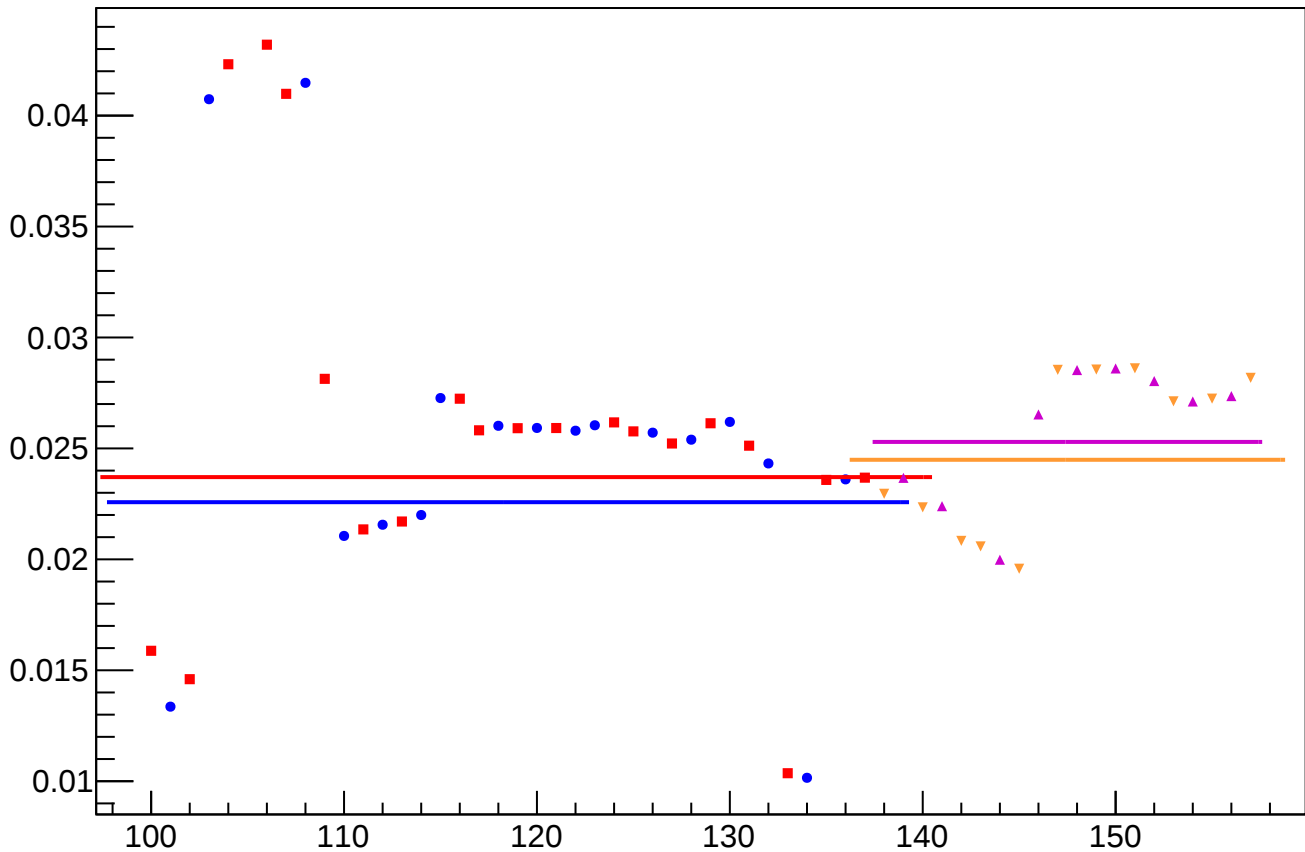
Left In: 0.000+/-0.000 χ^2/NDF : 49540.1/8

0.000+/-0.000 χ^2/NDF : 1066430.6/27

0.000+/-0.000 χ^2/NDF : 1440530.8/56

0.000+/-0.000 χ^2/NDF : 352485.4/28

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.023 $\pm$ 0.000 χ^2/NDF : 4247774712.9/16

Left Out: 0.024 $\pm$ 0.000 χ^2/NDF : 1335632566.7/10

Right Out: 0.024 $\pm$ 0.000 χ^2/NDF : 5652505580.7/19

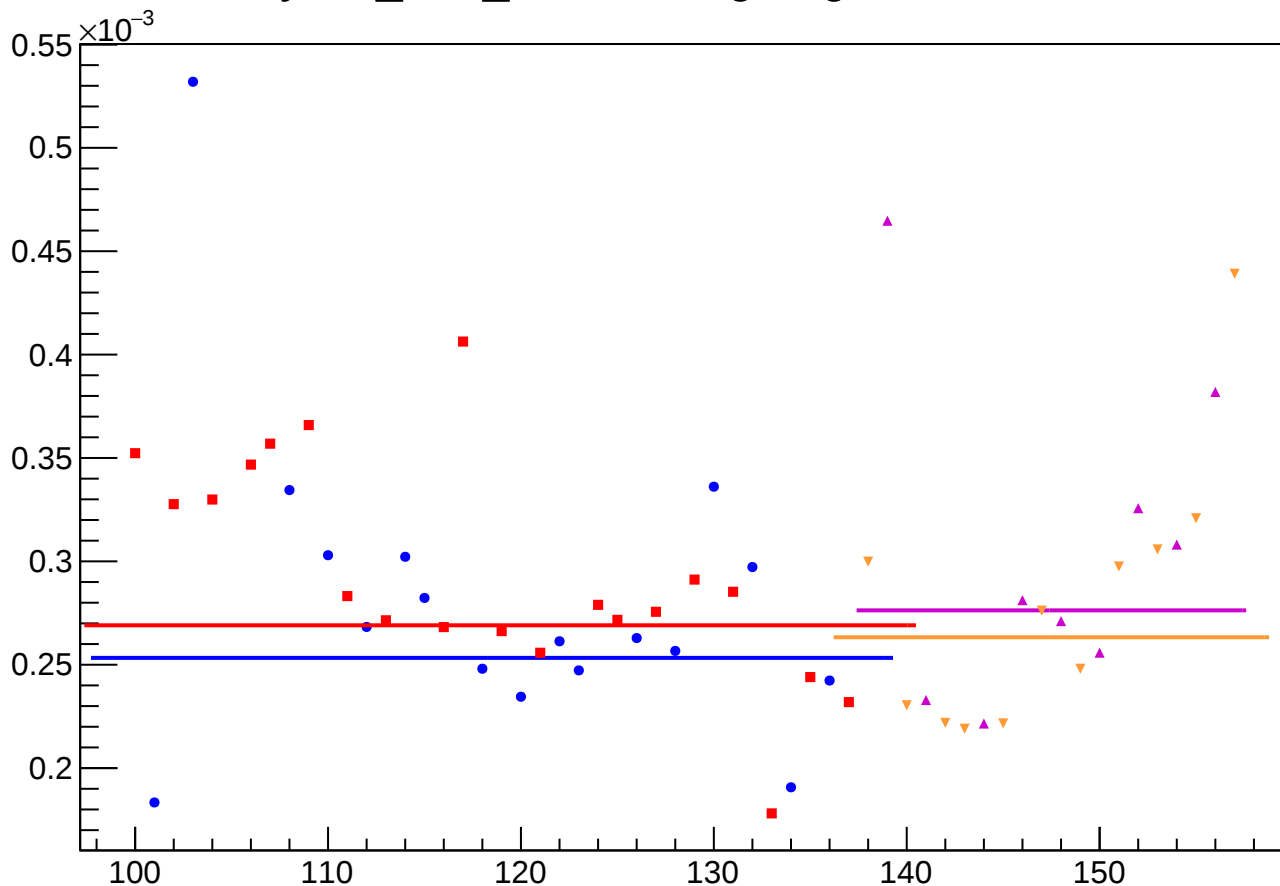
Left In: 0.025 $\pm$ 0.000 χ^2/NDF : 932293131.9/8

0.024 $\pm$ 0.000 χ^2/NDF : 5756951414.8/27

0.024 $\pm$ 0.000 χ^2/NDF : 12524178877.8/5

0.024 $\pm$ 0.000 χ^2/NDF : 6691996991.8/28

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 629159.2/16

Left Out: 0.000+/-0.000 χ^2/NDF : 463782.7/10

Right Out: 0.000+/-0.000 χ^2/NDF : 437710.5/19

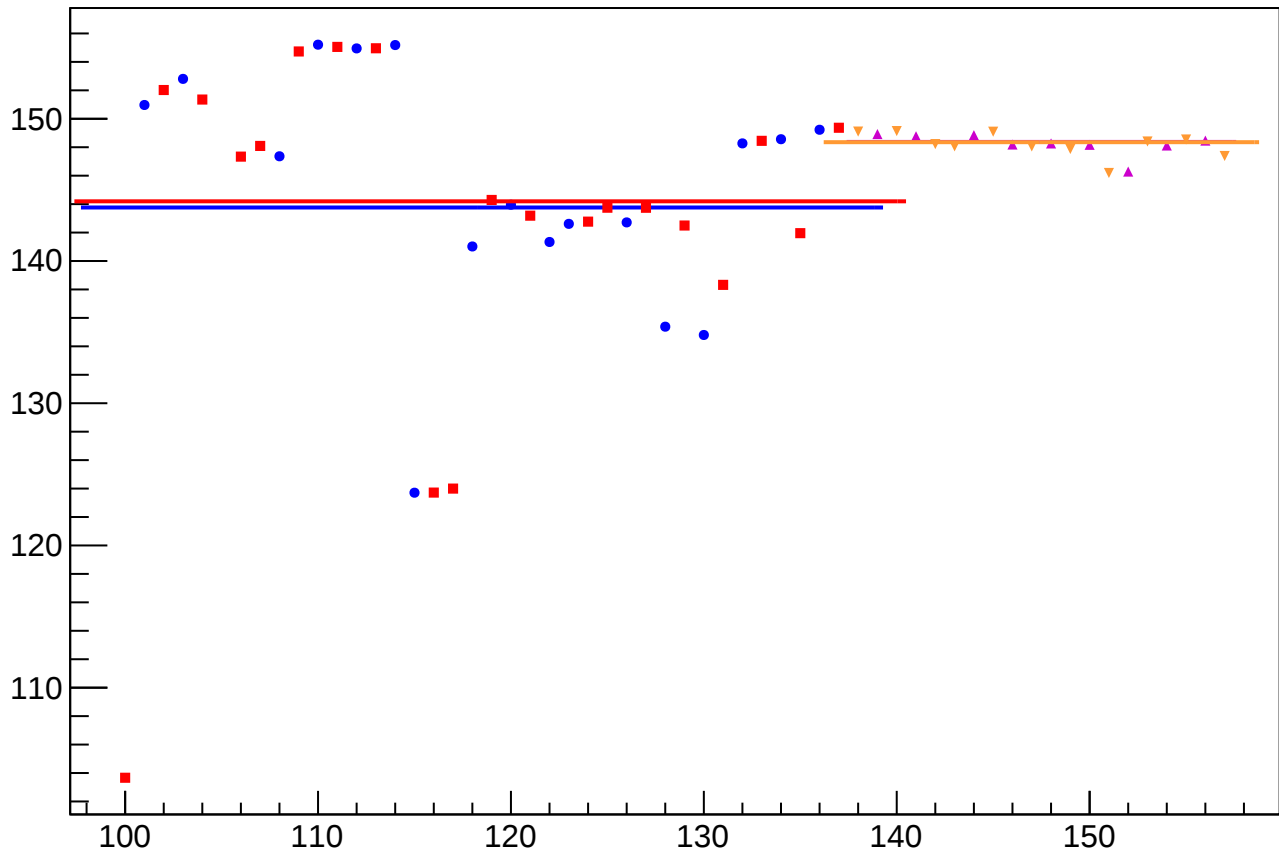
Left In: 0.000+/-0.000 χ^2/NDF : 545857.0/8

0.000+/-0.000 χ^2/NDF : 1102387.6/27

0.000+/-0.000 χ^2/NDF : 2126202.6/56

0.000+/-0.000 χ^2/NDF : 988014.6/28

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.763 ± 0.000 χ^2/NDF : 3534699505.1/16

Left Out: 148.355 ± 0.000 χ^2/NDF : 34934673.5/10

Right Out: 144.197 ± 0.000 χ^2/NDF : 4523139755.0/19

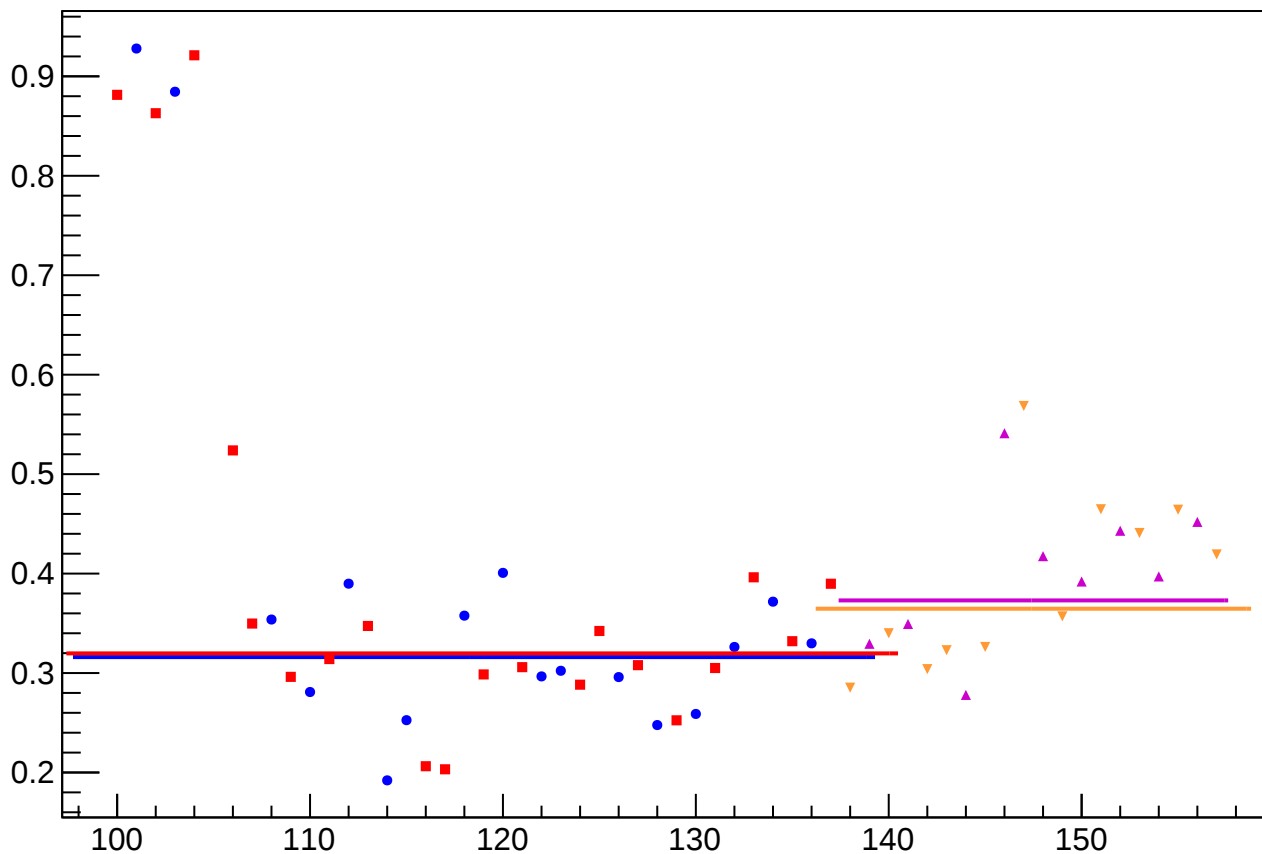
Left In: 148.373 ± 0.000 χ^2/NDF : 23450392.0/8

146.072 ± 0.000 χ^2/NDF : 4159412991.3/27

146.097 ± 0.000 χ^2/NDF : 9168565825.0/19

146.123 ± 0.000 χ^2/NDF : 5009014414.1/28

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.316+/-0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.365+/-0.000 χ^2/NDF : 592881.1/10

Right Out: 0.320+/-0.000 χ^2/NDF : 1241752.3/19

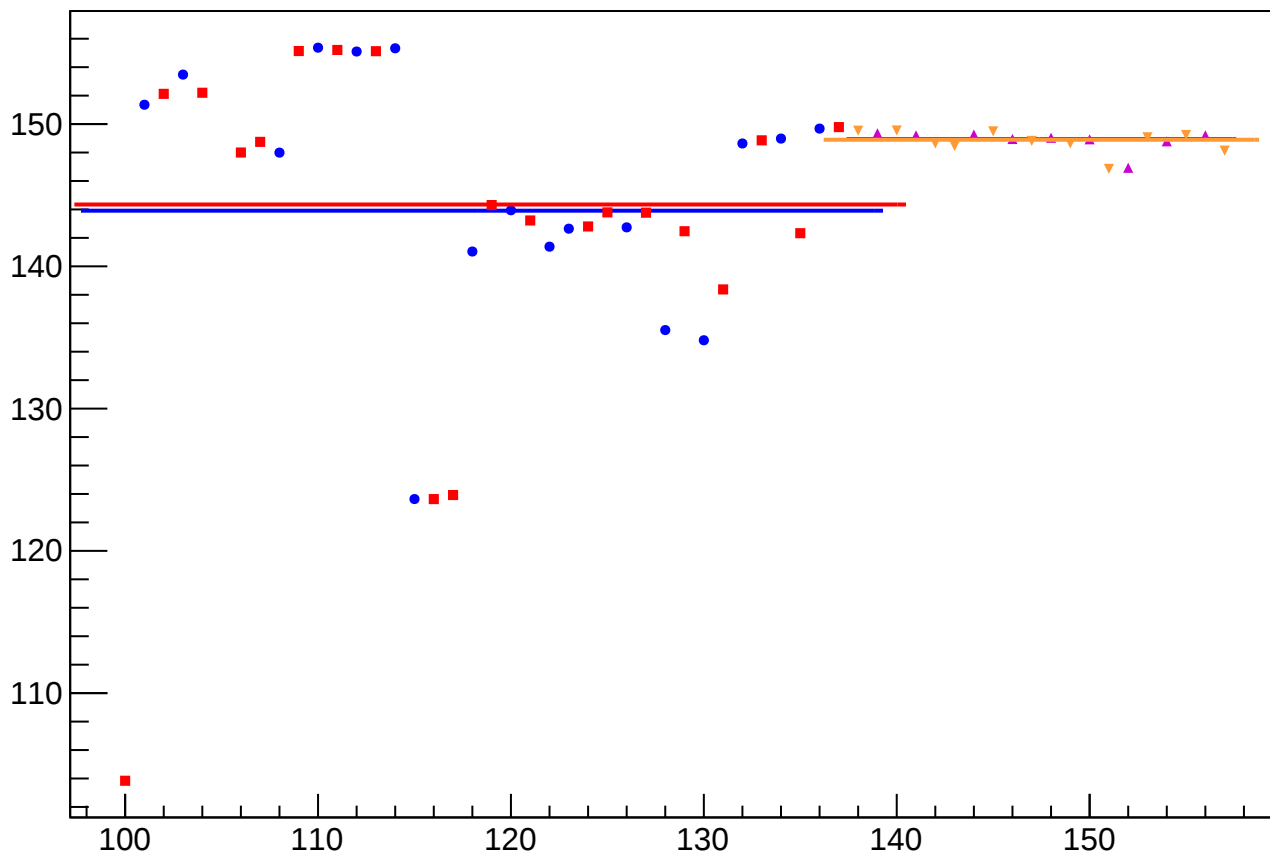
Left In: 0.373+/-0.000 χ^2/NDF : 491597.3/8

0.341+/-0.000 χ^2/NDF : 1991265.1/27

0.342+/-0.000 χ^2/NDF : 3876692.4/56

0.344+/-0.000 χ^2/NDF : 1883830.6/28

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 143.912 $\pm$ 0.000 χ^2 /NDF: 3587769790.2/16

Left Out: 148.898 $\pm$ 0.000 χ^2 /NDF: 27339246.5/10

Right Out: 144.347 $\pm$ 0.000 χ^2 /NDF: 4550581147.9/19

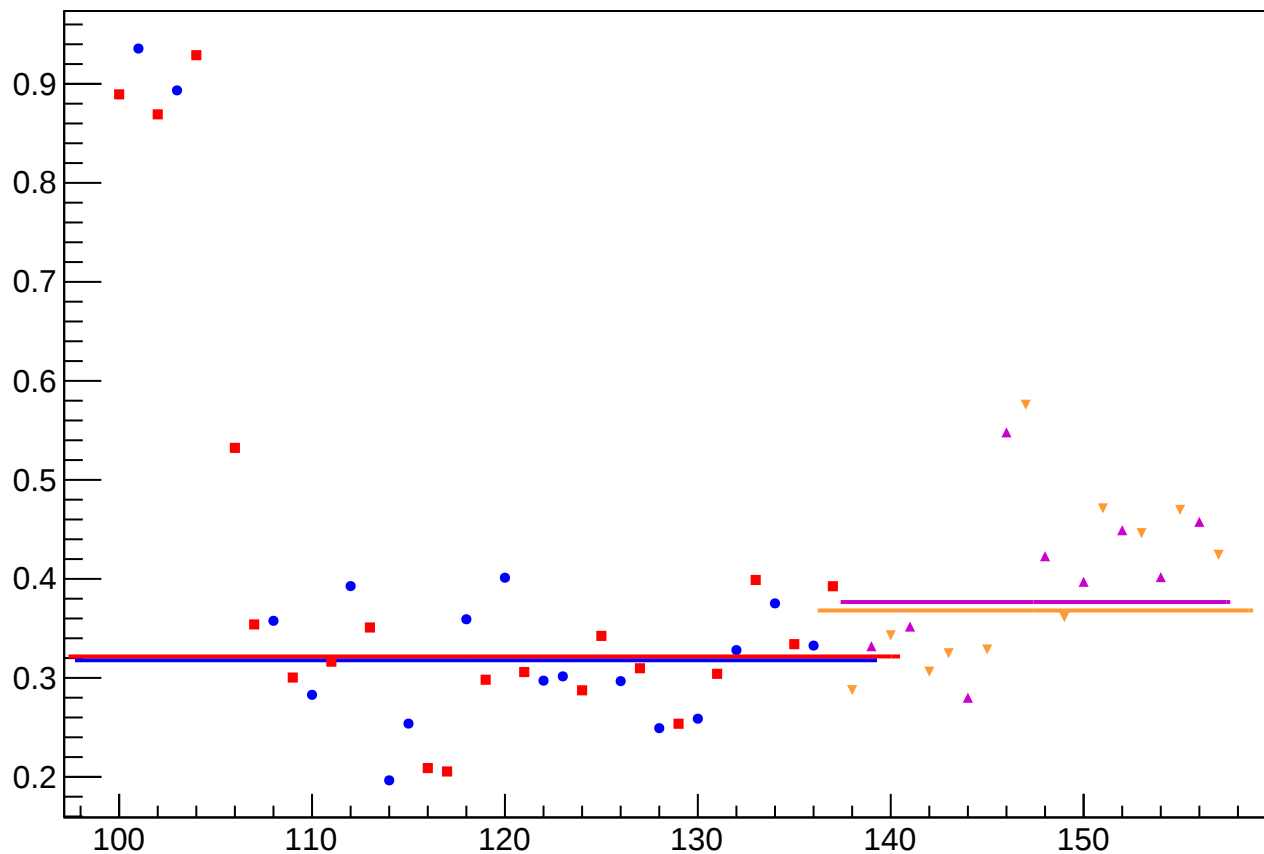
Left In: 148.952 $\pm$ 0.000 χ^2 /NDF: 18735229.0/8

146.410 $\pm$ 0.000 χ^2 /NDF: 4299898020.0/27

146.435 $\pm$ 0.000 χ^2 /NDF: 9422763039.6/10

146.461 $\pm$ 0.000 χ^2 /NDF: 5122722986.5/28

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.318 $\pm$ 0.000 χ^2/NDF : 1268257.9/16

Left Out: 0.368 $\pm$ 0.000 χ^2/NDF : 604697.2/10

Right Out: 0.322 $\pm$ 0.000 χ^2/NDF : 1244304.0/19

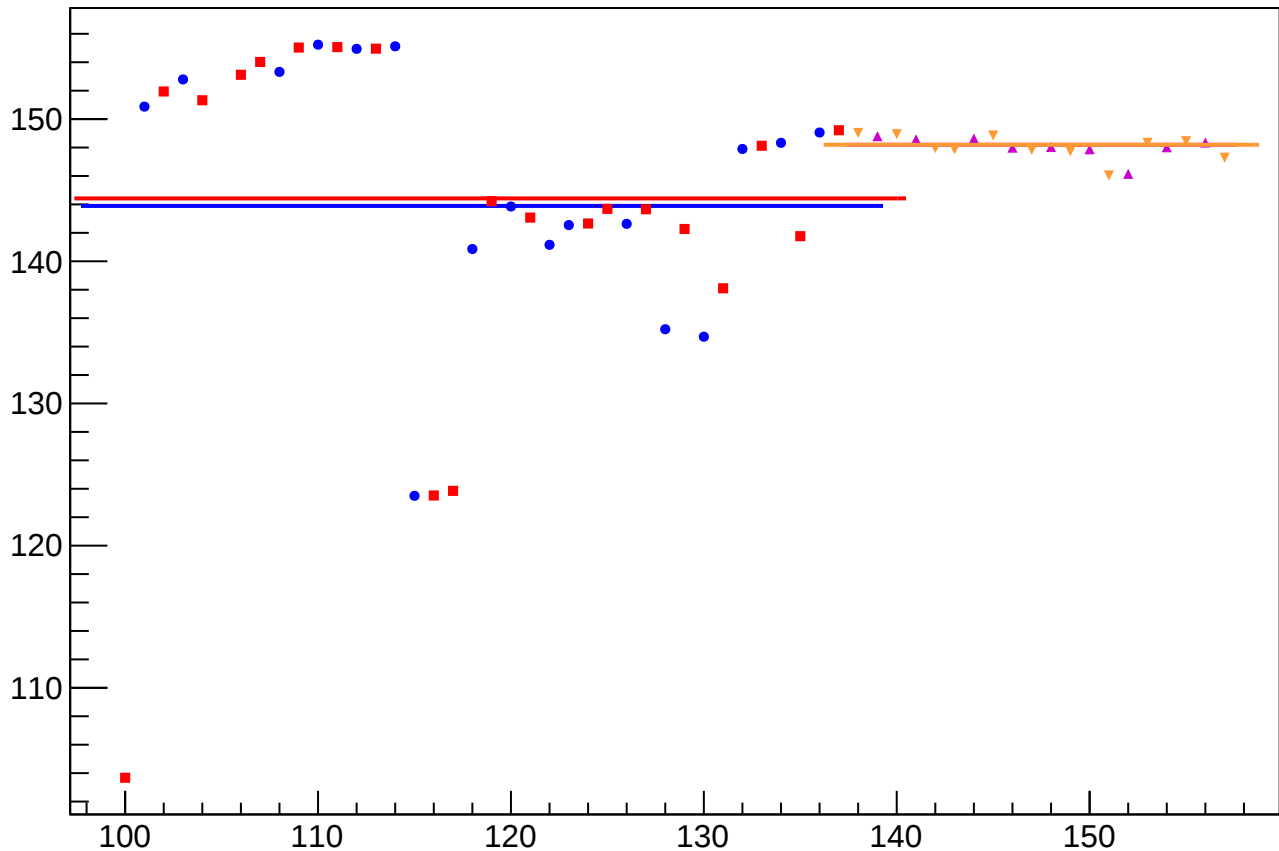
Left In: 0.377 $\pm$ 0.000 χ^2/NDF : 503723.1/8

0.343 $\pm$ 0.000 χ^2/NDF : 2012164.2/27

0.345 $\pm$ 0.000 χ^2/NDF : 3919575.3/56

0.347 $\pm$ 0.000 χ^2/NDF : 1905780.5/28

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.893 $\pm$ 0.000 χ^2 /NDF: 3752655677.2/16

Left Out: 148.195 $\pm$ 0.000 χ^2 /NDF: 34582723.3/10

Right Out: 144.423 $\pm$ 0.000 χ^2 /NDF: 4819194675.6/19

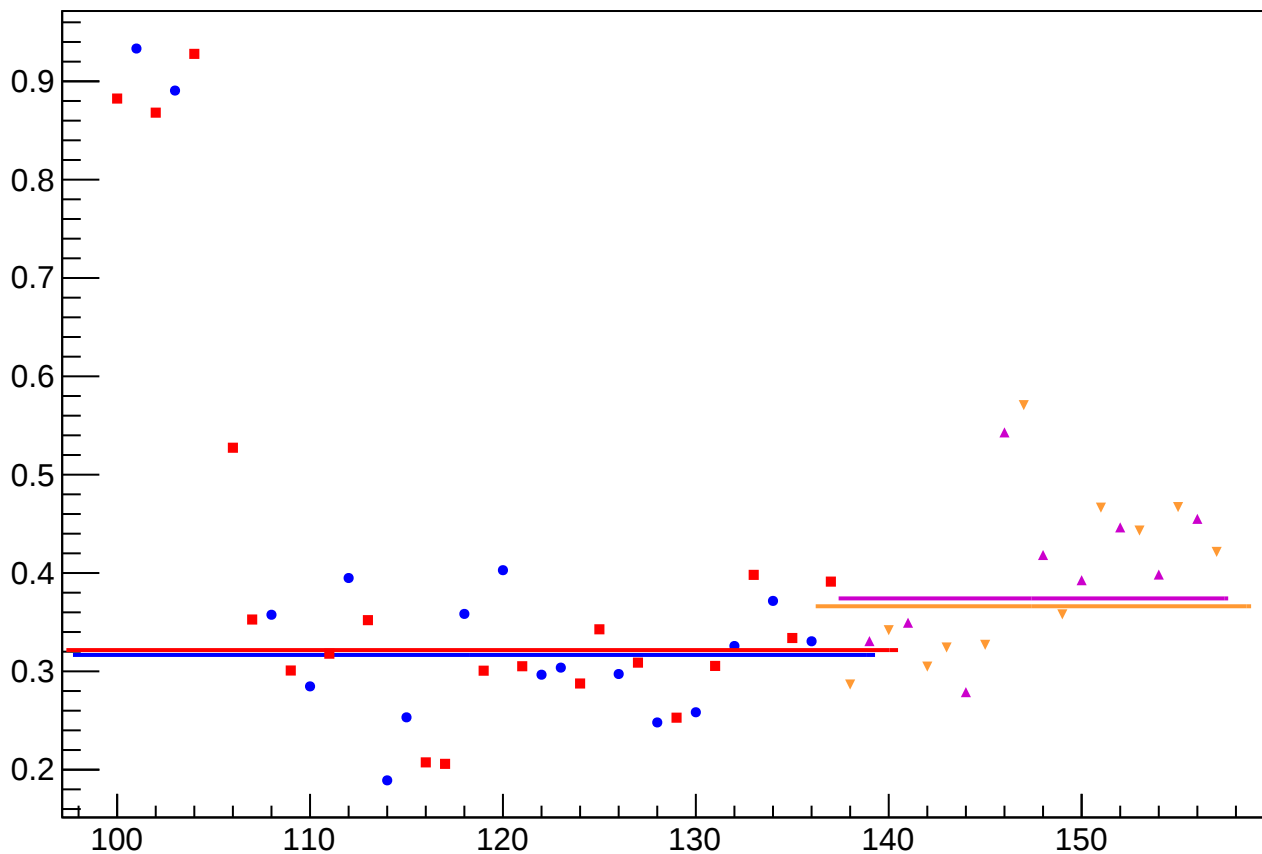
Left In: 148.192 $\pm$ 0.000 χ^2 /NDF: 22730727.6/8

146.054 $\pm$ 0.000 χ^2 /NDF: 4301113889.1/27

146.109 $\pm$ 0.000 χ^2 /NDF: 9517139597.9/28

146.166 $\pm$ 0.000 χ^2 /NDF: 5215350339.2/28

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317 $\pm$ 0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.366 $\pm$ 0.000 χ^2/NDF : 594797.1/10

Right Out: 0.322 $\pm$ 0.000 χ^2/NDF : 1244671.1/19

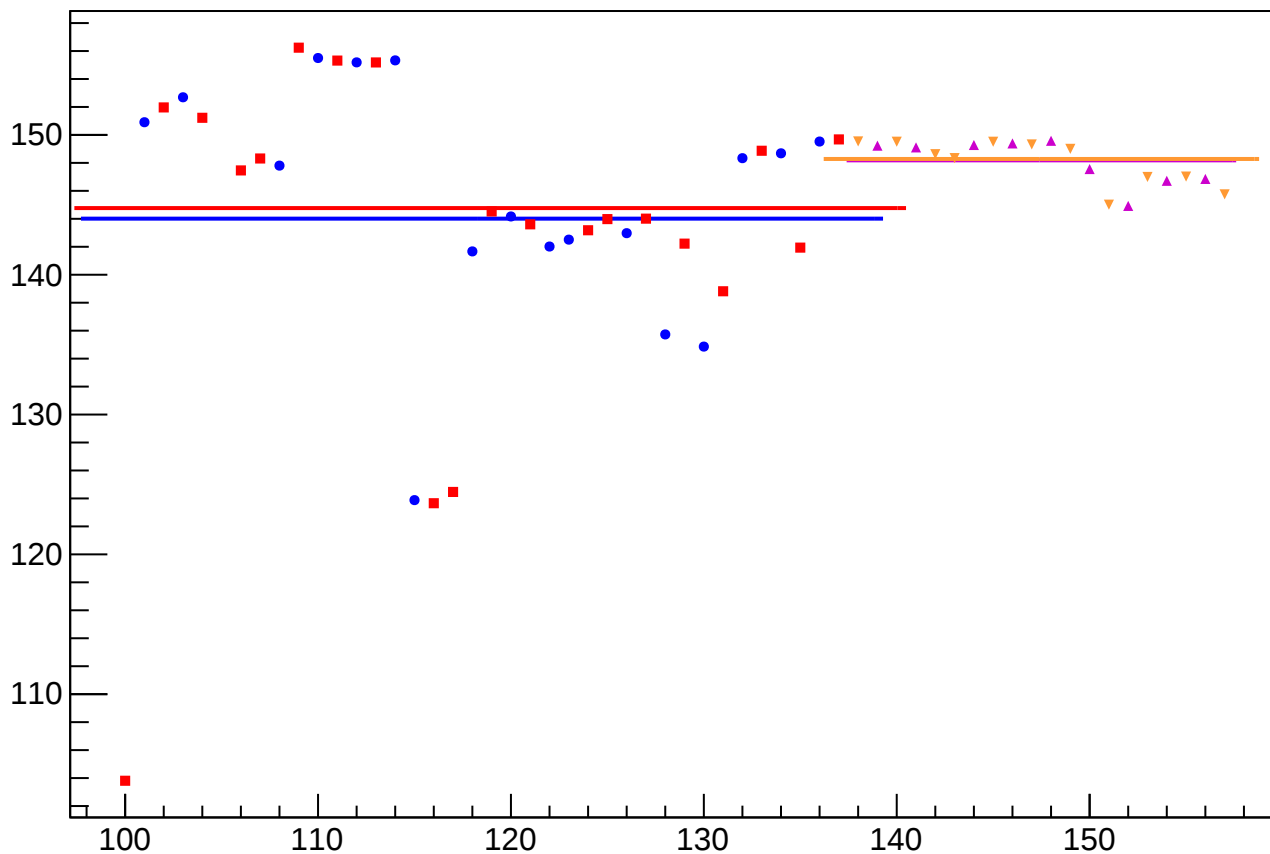
Left In: 0.374 $\pm$ 0.000 χ^2/NDF : 495410.7/8

0.342 $\pm$ 0.000 χ^2/NDF : 2011150.4/27

0.344 $\pm$ 0.000 χ^2/NDF : 3898467.5/56

0.346 $\pm$ 0.000 χ^2/NDF : 1885250.6/28

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.012 $\pm$ 0.000 χ^2 /NDF: 3241696920.3/16

Left Out: 148.280 $\pm$ 0.000 χ^2 /NDF: 109557625.7/10

Right Out: 144.767 $\pm$ 0.000 χ^2 /NDF: 4097482970.1/19

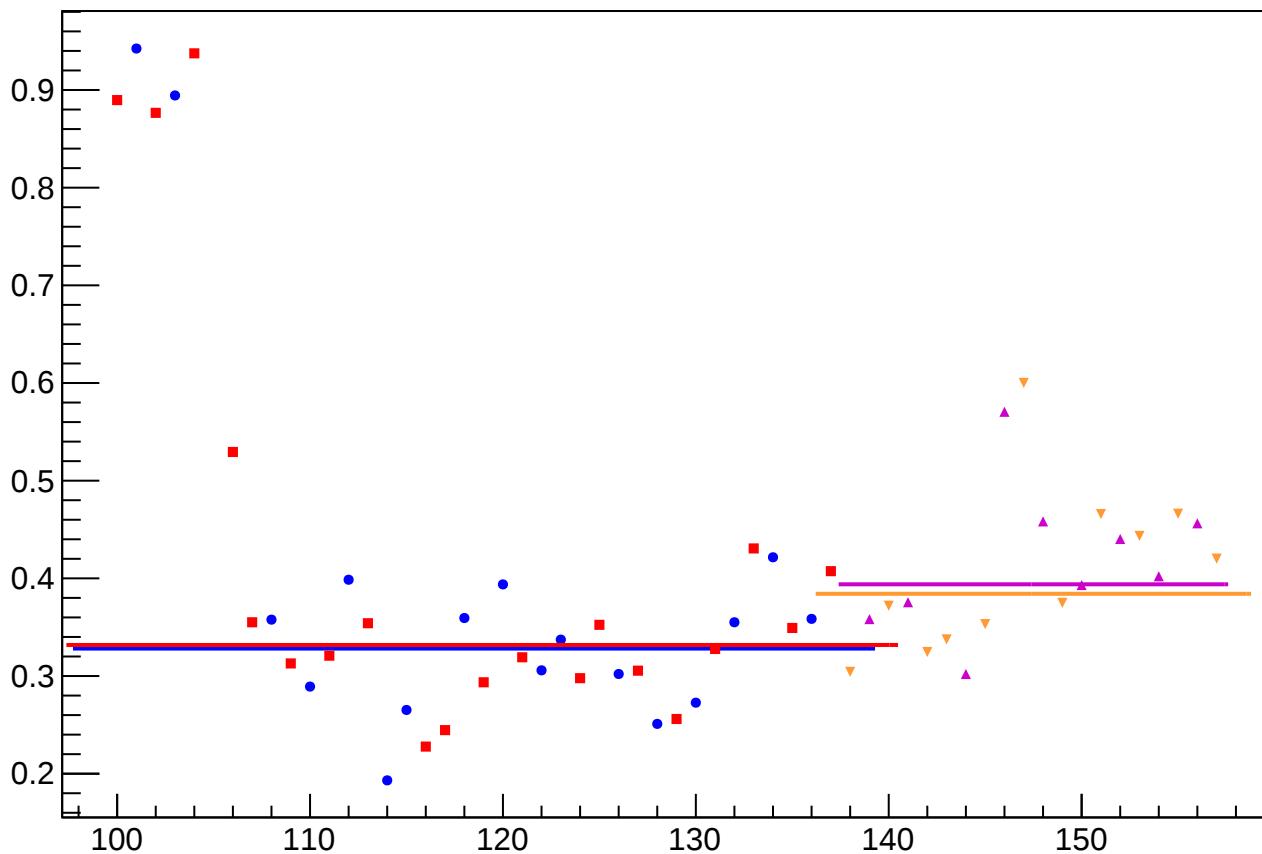
Left In: 148.181 $\pm$ 0.000 χ^2 /NDF: 94269247.6/8

146.134 $\pm$ 0.000 χ^2 /NDF: 3816125981.0/27

146.223 $\pm$ 0.000 χ^2 /NDF: 8291847564.3/28

146.316 $\pm$ 0.000 χ^2 /NDF: 4474077056.0/28

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.328 $\pm$ 0.000 χ^2 /NDF: 1265892.9/16

Left Out: 0.384 $\pm$ 0.000 χ^2 /NDF: 482612.0/10

Right Out: 0.332 $\pm$ 0.000 χ^2 /NDF: 1194167.8/19

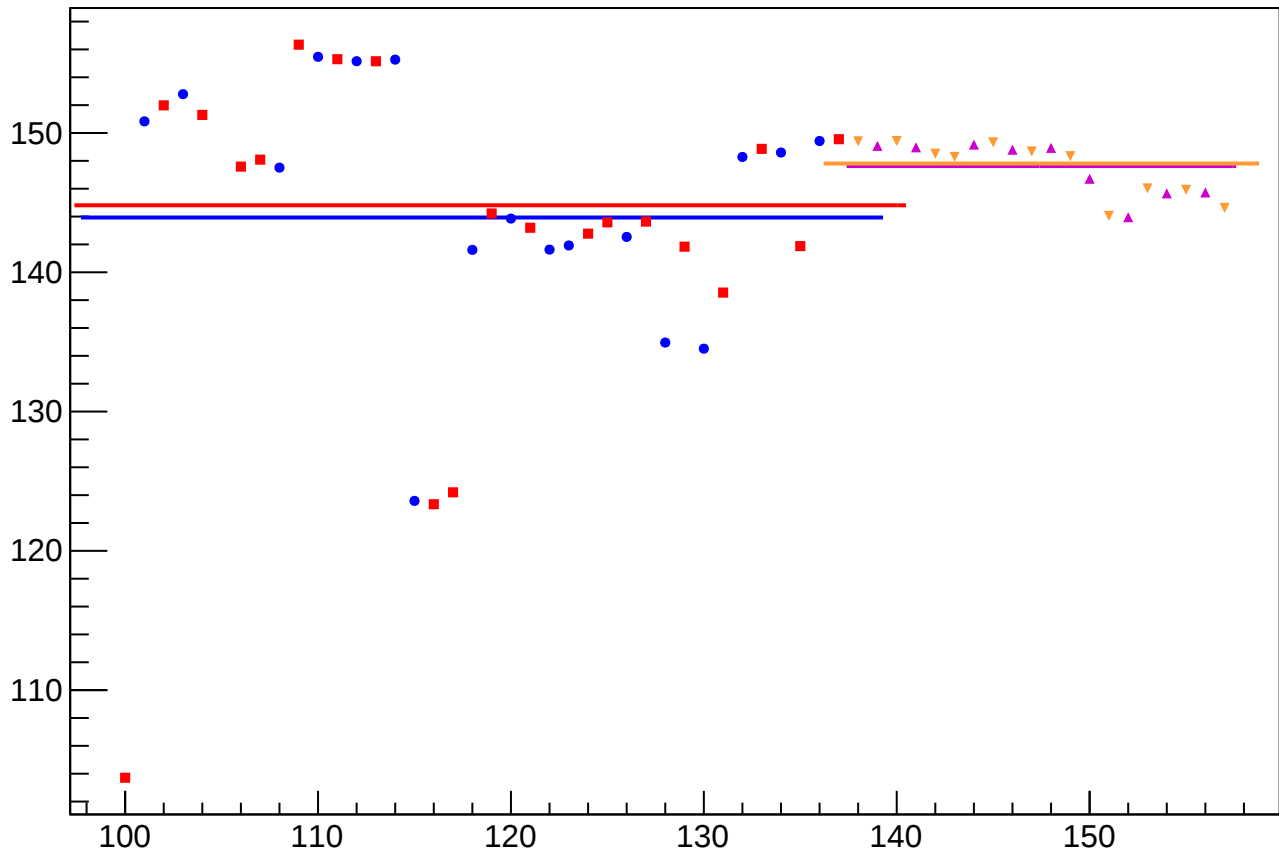
Left In: 0.394 $\pm$ 0.000 χ^2 /NDF: 396658.9/8

0.356 $\pm$ 0.000 χ^2 /NDF: 1908938.5/27

0.358 $\pm$ 0.000 χ^2 /NDF: 3688220.0/56

0.360 $\pm$ 0.000 χ^2 /NDF: 1777716.3/28

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 143.932 $\pm$ 0.000 χ^2 /NDF: 3383012861.2/16

Left Out: 147.808 $\pm$ 0.000 χ^2 /NDF: 167865218.9/10

Right Out: 144.809 $\pm$ 0.000 χ^2 /NDF: 4138041955.6/19

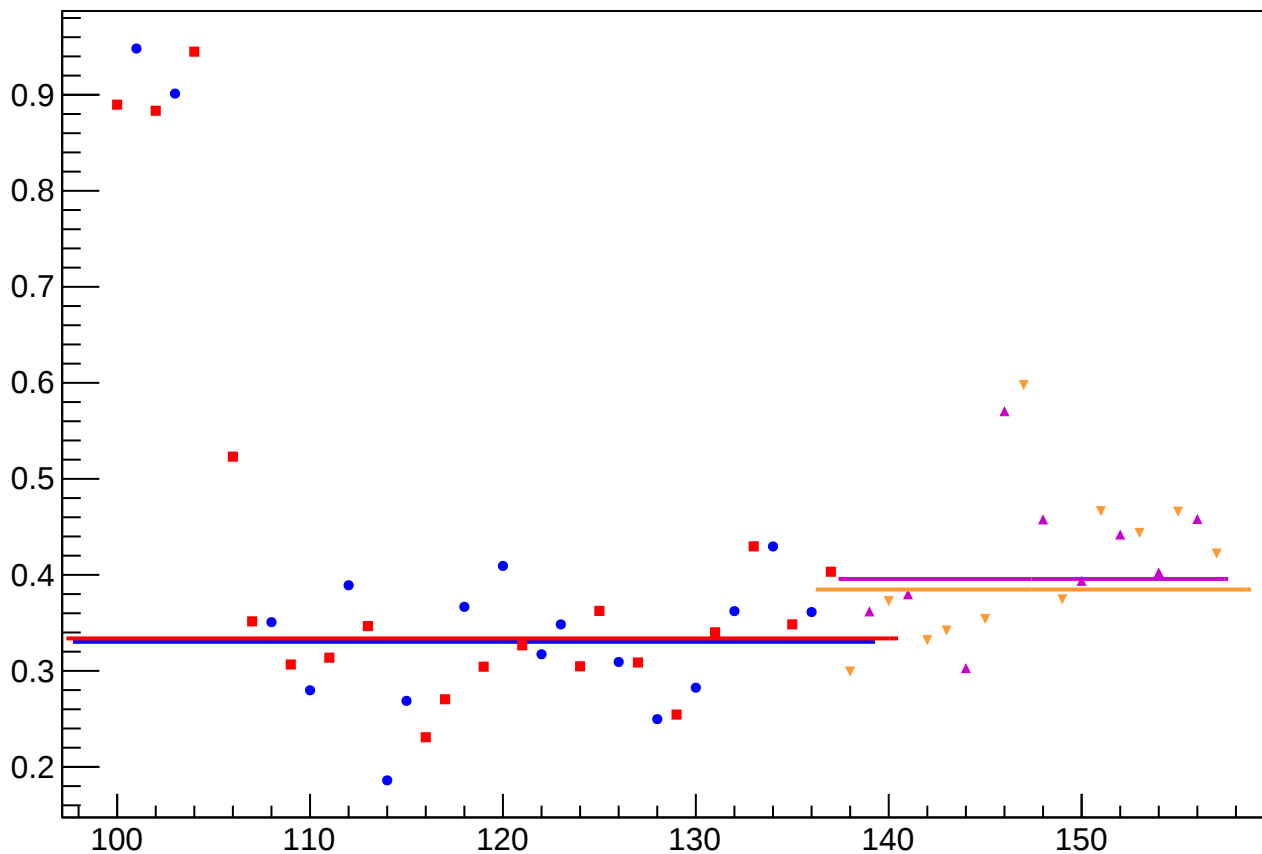
Left In: 147.625 $\pm$ 0.000 χ^2 /NDF: 142156466.2/8

145.871 $\pm$ 0.000 χ^2 /NDF: 3930008828.2/27

145.977 $\pm$ 0.000 χ^2 /NDF: 8402267000.1/1

146.088 $\pm$ 0.000 χ^2 /NDF: 4469947487.4/28

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.330 +/- 0.000 χ^2/NDF : 1283955.7/16

Left Out: 0.385 +/- 0.000 χ^2/NDF : 483178.4/10

Right Out: 0.334 +/- 0.000 χ^2/NDF : 1177889.1/19

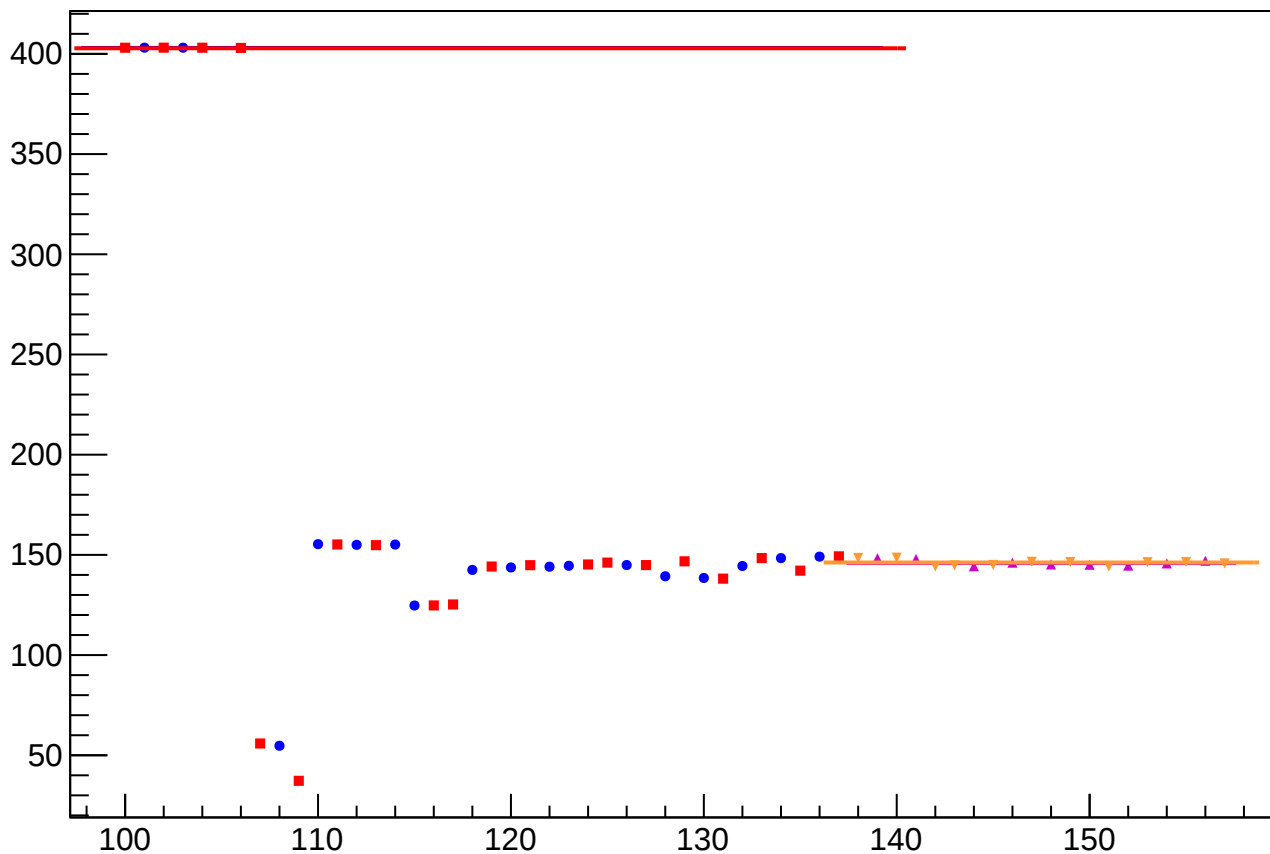
Left In: 0.396 +/- 0.000 χ^2/NDF : 389102.5/8

0.358 +/- 0.000 χ^2/NDF : 1916599.8/27

0.360 +/- 0.000 χ^2/NDF : 3669289.5/56

0.362 +/- 0.000 χ^2/NDF : 1750769.5/28

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.958 +/- 0.000 χ^2/NDF : 1094364588383.4/16

Left Out: 146.199 +/- 0.000 χ^2/NDF : 30662235.5/10

Right Out: 402.797 +/- 0.000 χ^2/NDF : 3120897866993.6/19

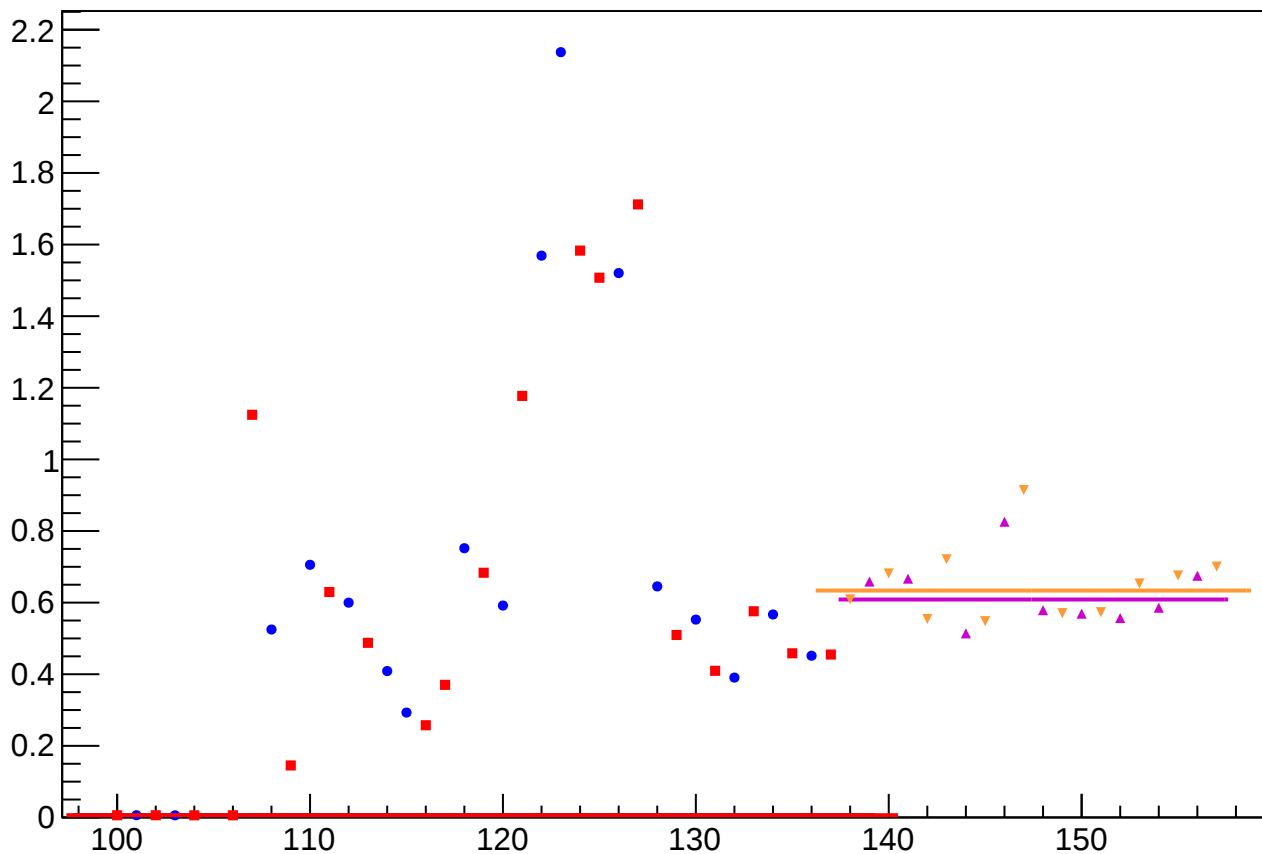
Left In: 145.910 +/- 0.000 χ^2/NDF : 25305823.4/8

402.850 +/- 0.000 χ^2/NDF : 1957281438425.5/27

402.771 +/- 0.000 χ^2/NDF : 594130954006

402.702 +/- 0.000 χ^2/NDF : 3983665243612.6/28

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.634+/-0.000 χ^2/NDF : 184264.0/10

Right Out: 0.006+/-0.000 χ^2/NDF : 9258244.0/19

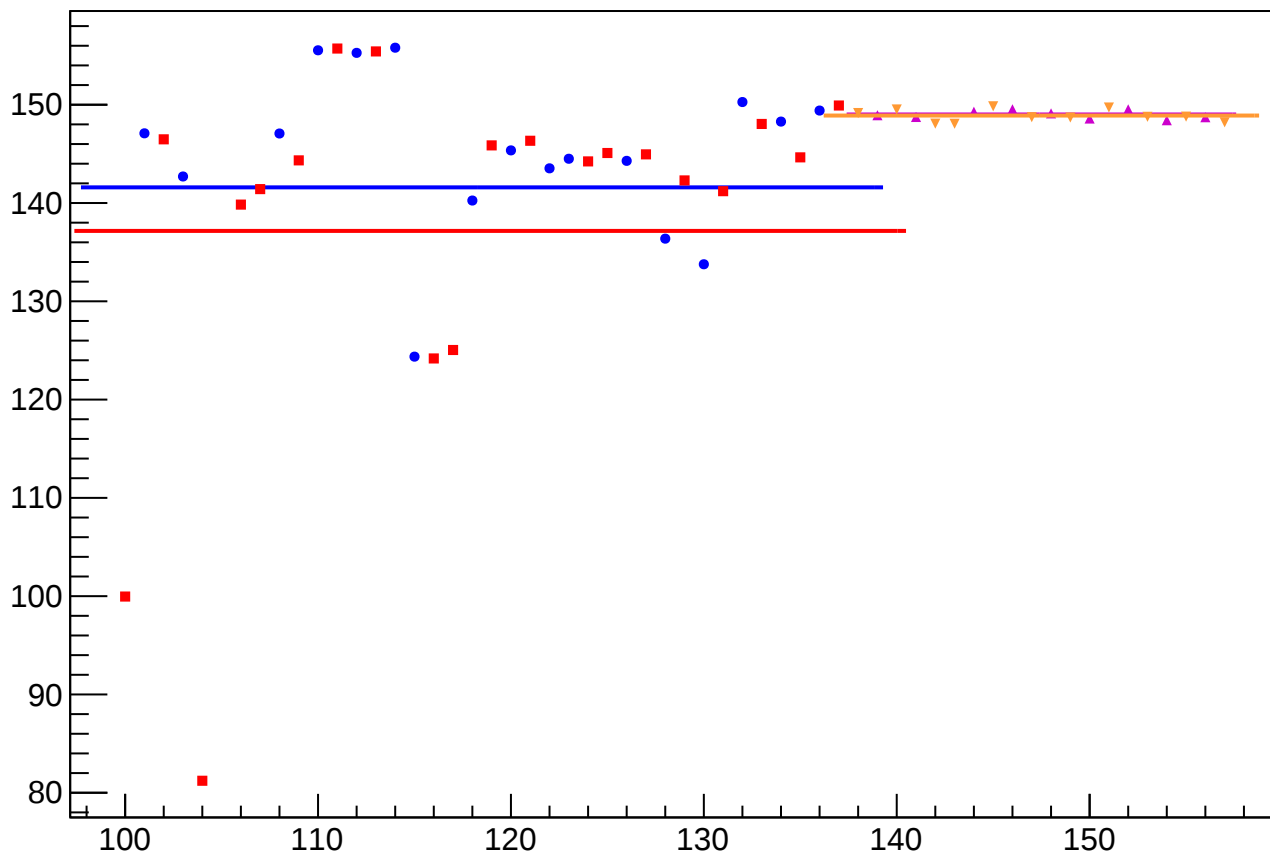
Left In: 0.609+/-0.000 χ^2/NDF : 152972.2/8

0.007+/-0.000 χ^2/NDF : 19566490.6/27

0.007+/-0.000 χ^2/NDF : 38465885.8/56

0.007+/-0.000 χ^2/NDF : 18899318.8/28

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.593+/-0.000 χ^2/NDF : 980101868.2/16

Left Out: 148.900+/-0.000 χ^2/NDF : 9924920.0/10

Right Out: 137.162+/-0.000 χ^2/NDF : 1366089515.6/19

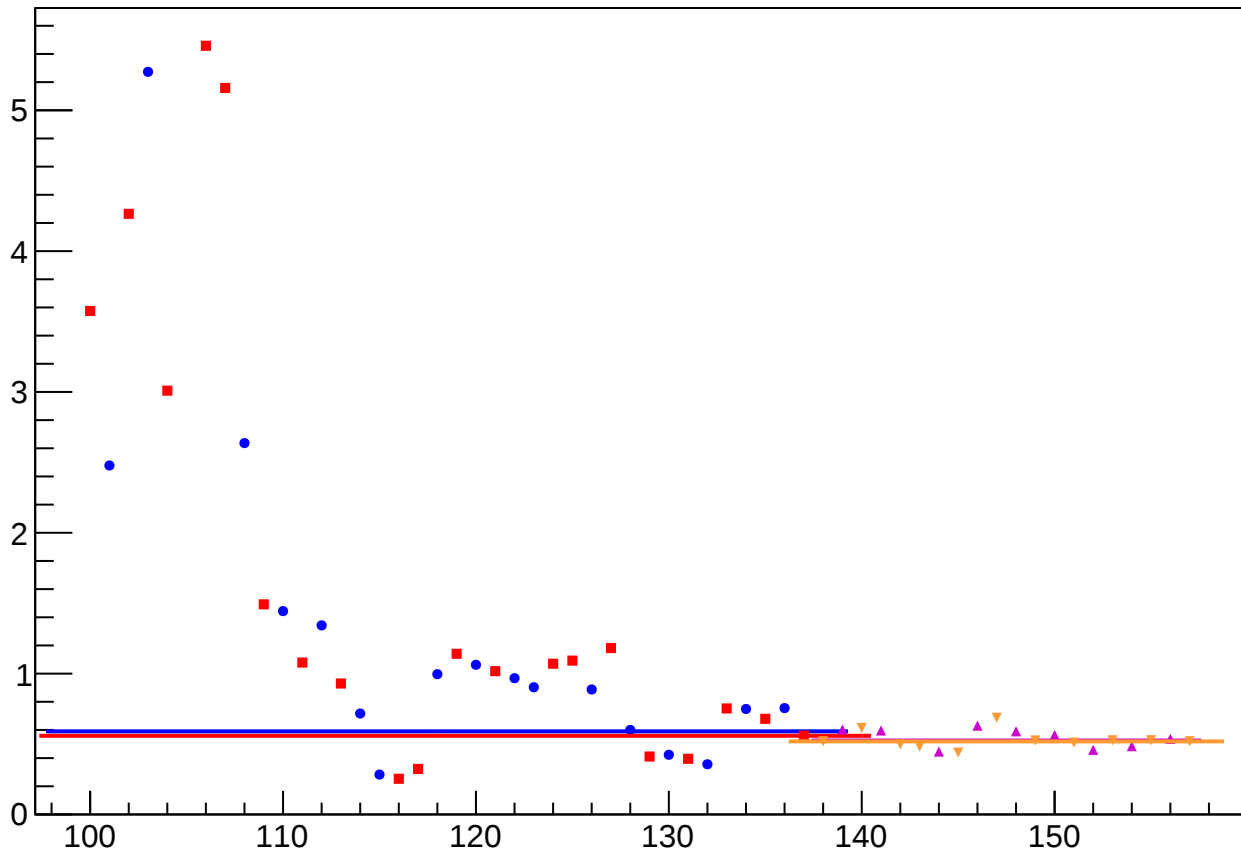
Left In: 149.009+/-0.000 χ^2/NDF : 3822313.7/8

146.831+/-0.000 χ^2/NDF : 1376332648.8/27

146.018+/-0.000 χ^2/NDF : 3832149088.6/27

145.157+/-0.000 χ^2/NDF : 2407325623.6/28

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.590+/-0.000 χ^2/NDF : 3491995.1/16

Left Out: 0.519+/-0.000 χ^2/NDF : 163837.7/10

Right Out: 0.559+/-0.000 χ^2/NDF : 4721291.1/19

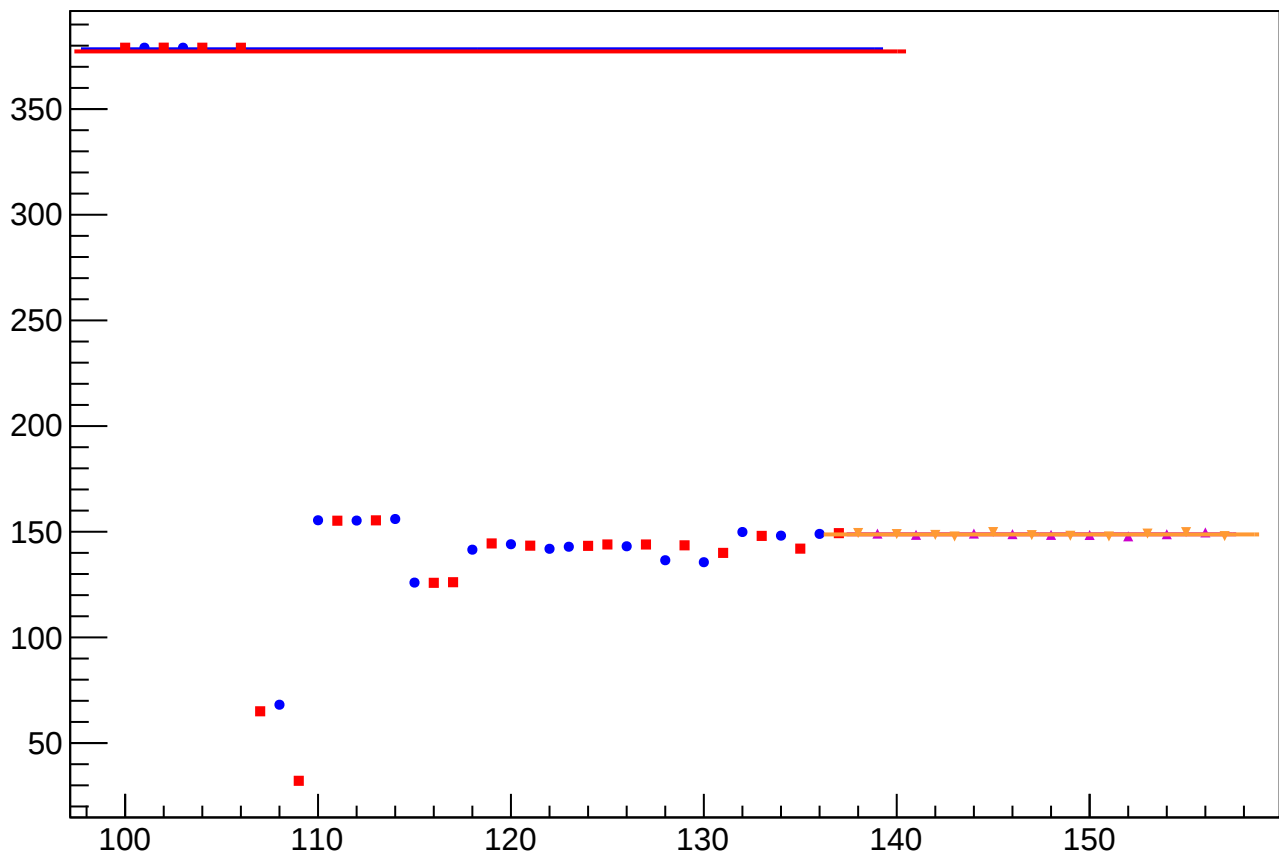
Left In: 0.525+/-0.000 χ^2/NDF : 189023.5/8

0.539+/-0.000 χ^2/NDF : 3729594.5/27

0.538+/-0.000 χ^2/NDF : 8656909.4/56

0.536+/-0.000 χ^2/NDF : 4927002.8/28

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.283+/-0.000 χ^2/NDF : 2508313421453.8/16

Left Out: 148.730+/-0.000 χ^2/NDF : 25206284.1/10

Right Out: 377.280+/-0.000 χ^2/NDF : 8313240281527.9/19

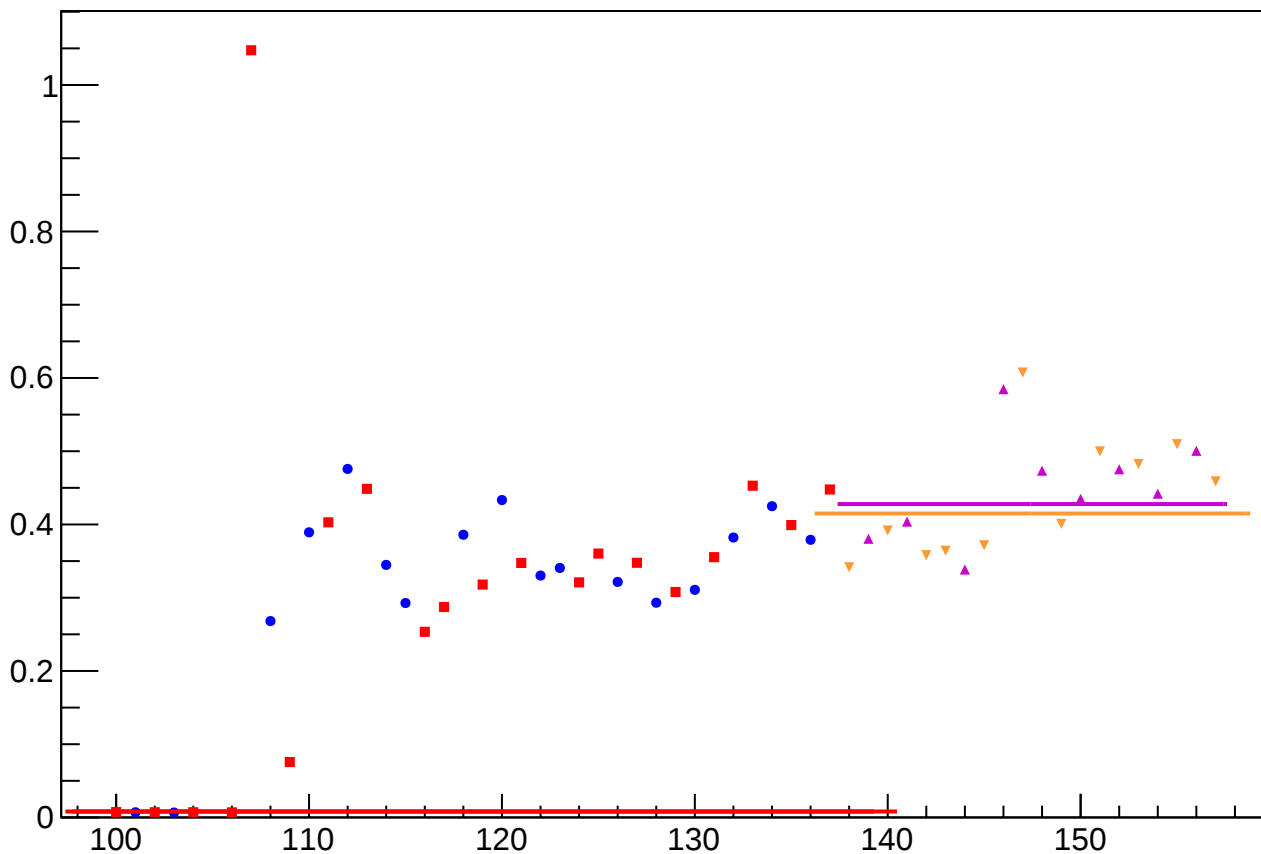
Left In: 148.802+/-0.000 χ^2/NDF : 8022465.7/8

377.524+/-0.000 χ^2/NDF : 4827908777615.8/27

377.089+/-0.000 χ^2/NDF : 151300804925

376.708+/-0.000 χ^2/NDF : 10297437087621.9/27

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 9806719.4/16

Left Out: 0.415 $\pm$ 0.000 χ^2 /NDF: 427224.8/10

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 9589375.6/19

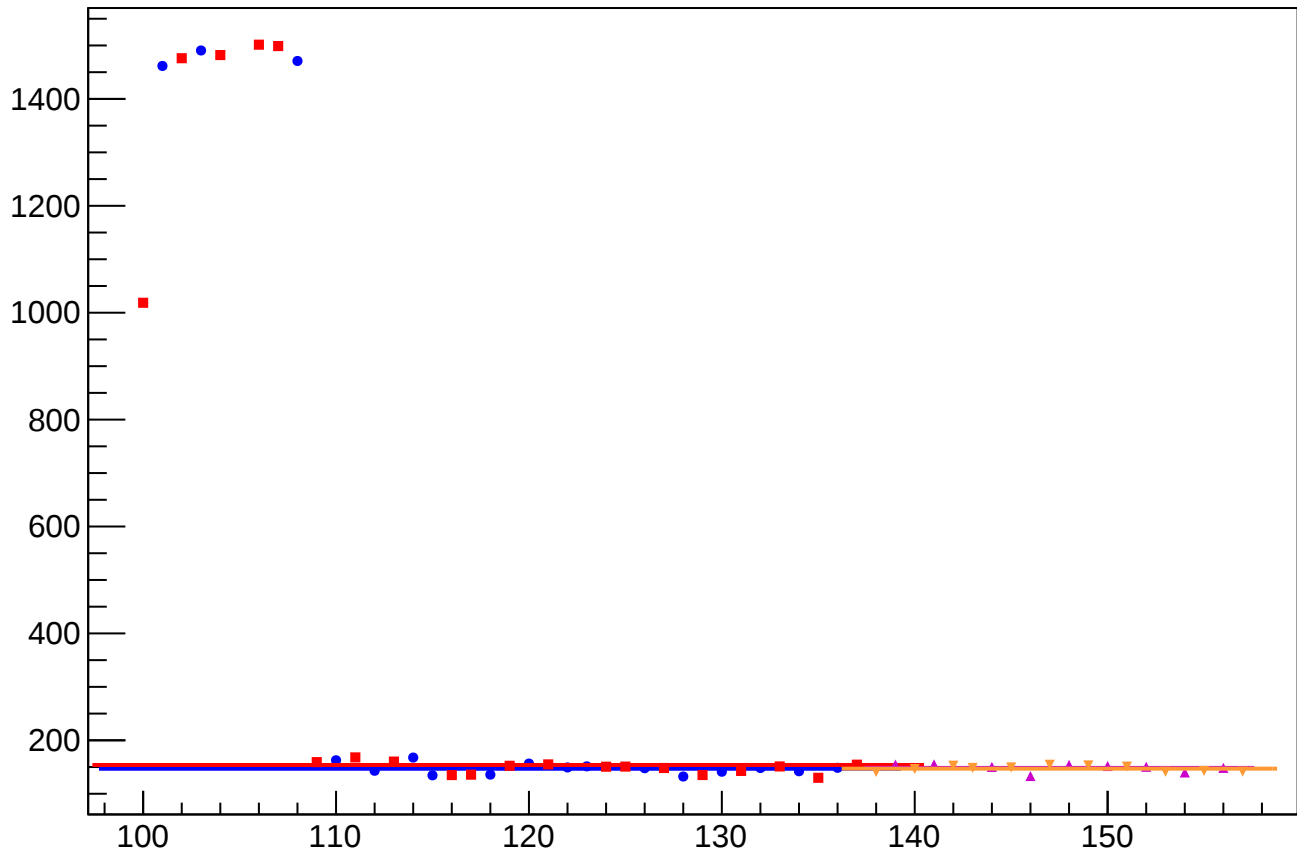
Left In: 0.428 $\pm$ 0.000 χ^2 /NDF: 323584.8/8

0.009 $\pm$ 0.000 χ^2 /NDF: 24805639.2/27

0.009 $\pm$ 0.000 χ^2 /NDF: 48111068.2/56

0.009 $\pm$ 0.000 χ^2 /NDF: 23304457.8/28

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.819+/-0.000 χ^2/NDF : 24360774977.7/16

Left Out: 146.975+/-0.000 χ^2/NDF : 206160489.2/10

Right Out: 153.832+/-0.000 χ^2/NDF : 33744235949.2/19

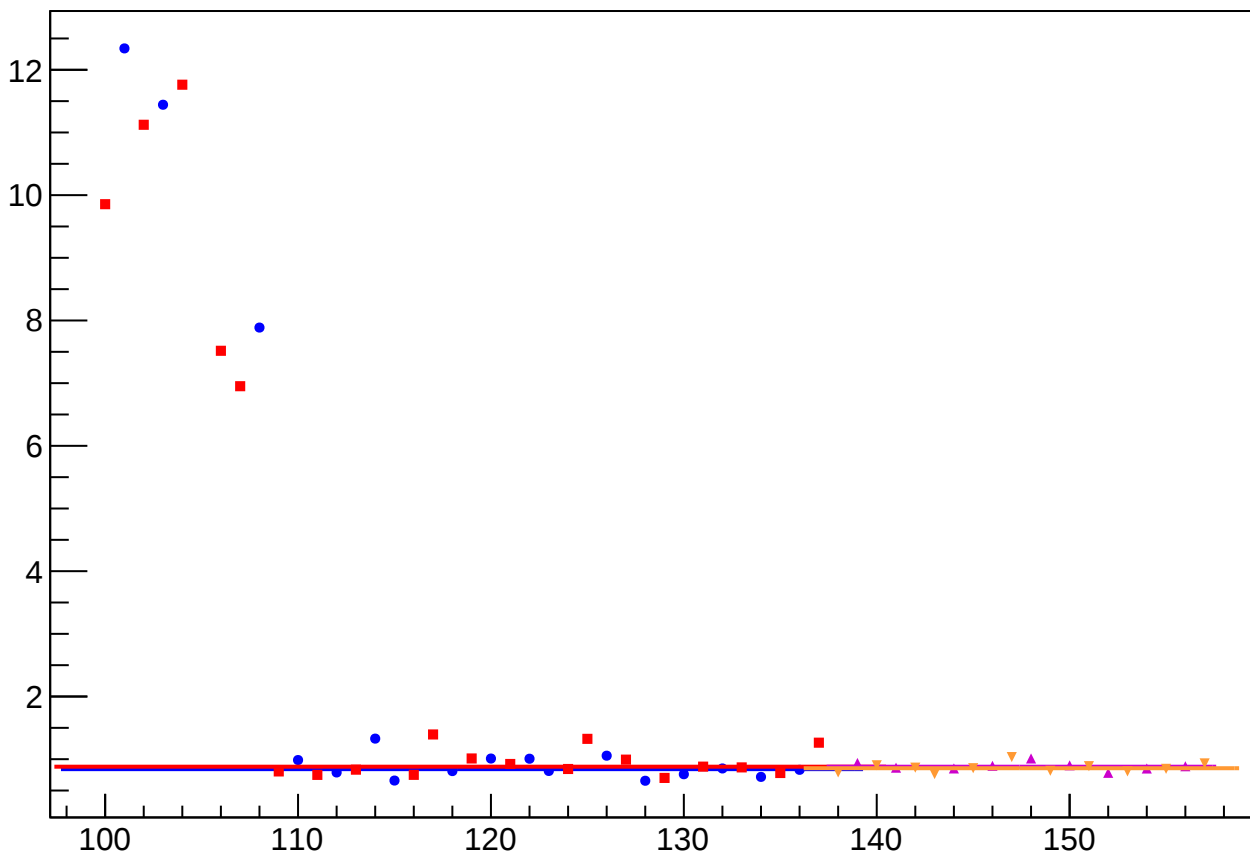
Left In: 148.348+/-0.000 χ^2/NDF : 365489036.4/8

146.915+/-0.000 χ^2/NDF : 24567014858.6/27

148.692+/-0.000 χ^2/NDF : 58861713107.7

150.606+/-0.000 χ^2/NDF : 34203611065.3/28

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.841+/-0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.856+/-0.000 χ^2/NDF :82798.7/10

Right Out: 0.880+/-0.000 χ^2/NDF : 2825356.7/19

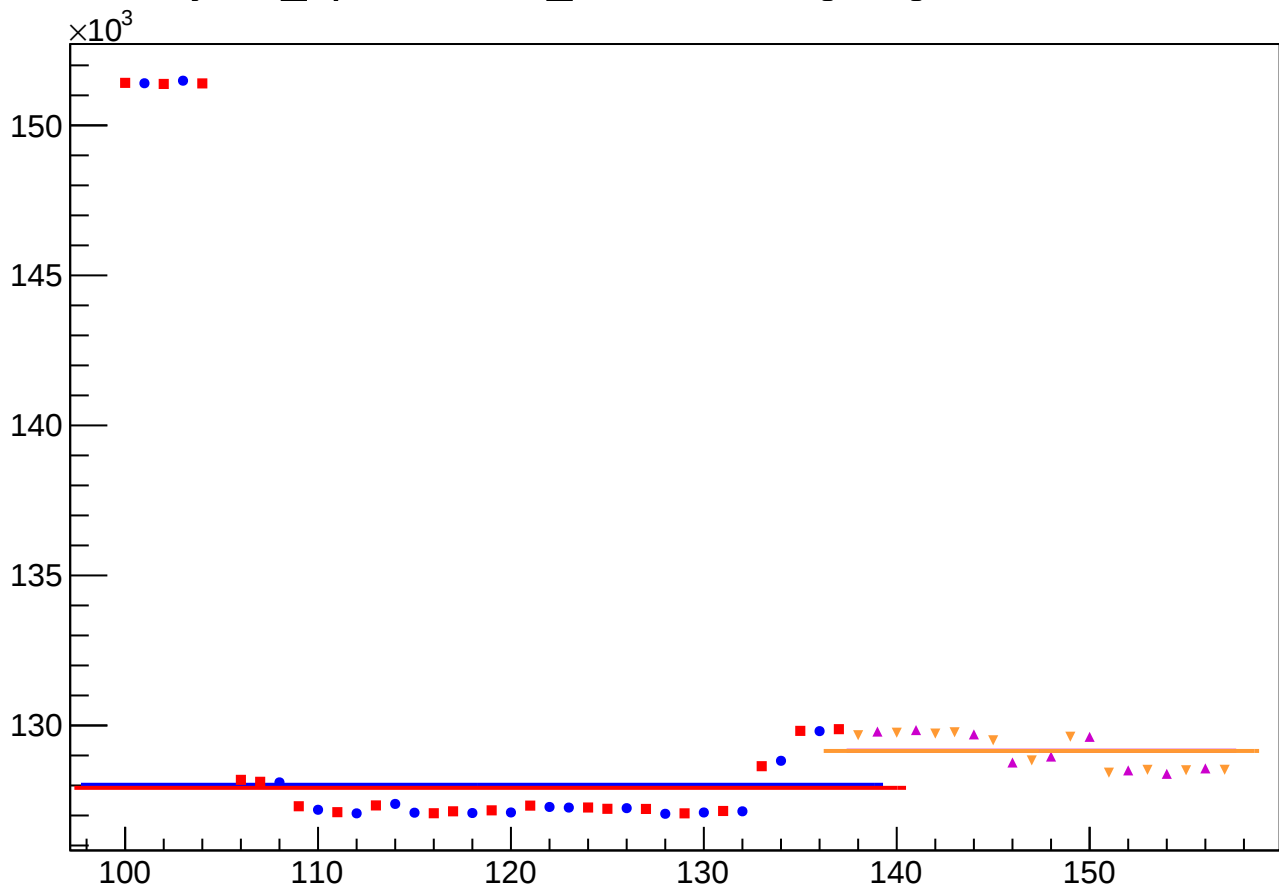
Left In: 0.880+/-0.000 χ^2/NDF :54148.1/8

0.850+/-0.000 χ^2/NDF : 2746597.0/27

0.865+/-0.000 χ^2/NDF : 5638033.9/56

0.880+/-0.000 χ^2/NDF : 2879505.4/28

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16

Left Out: 129150.627 $\pm$ 0.061 χ^2 /NDF: 89141895.1/10

Right Out: 127921.299 $\pm$ 0.050 χ^2 /NDF: 3768965324.4/19

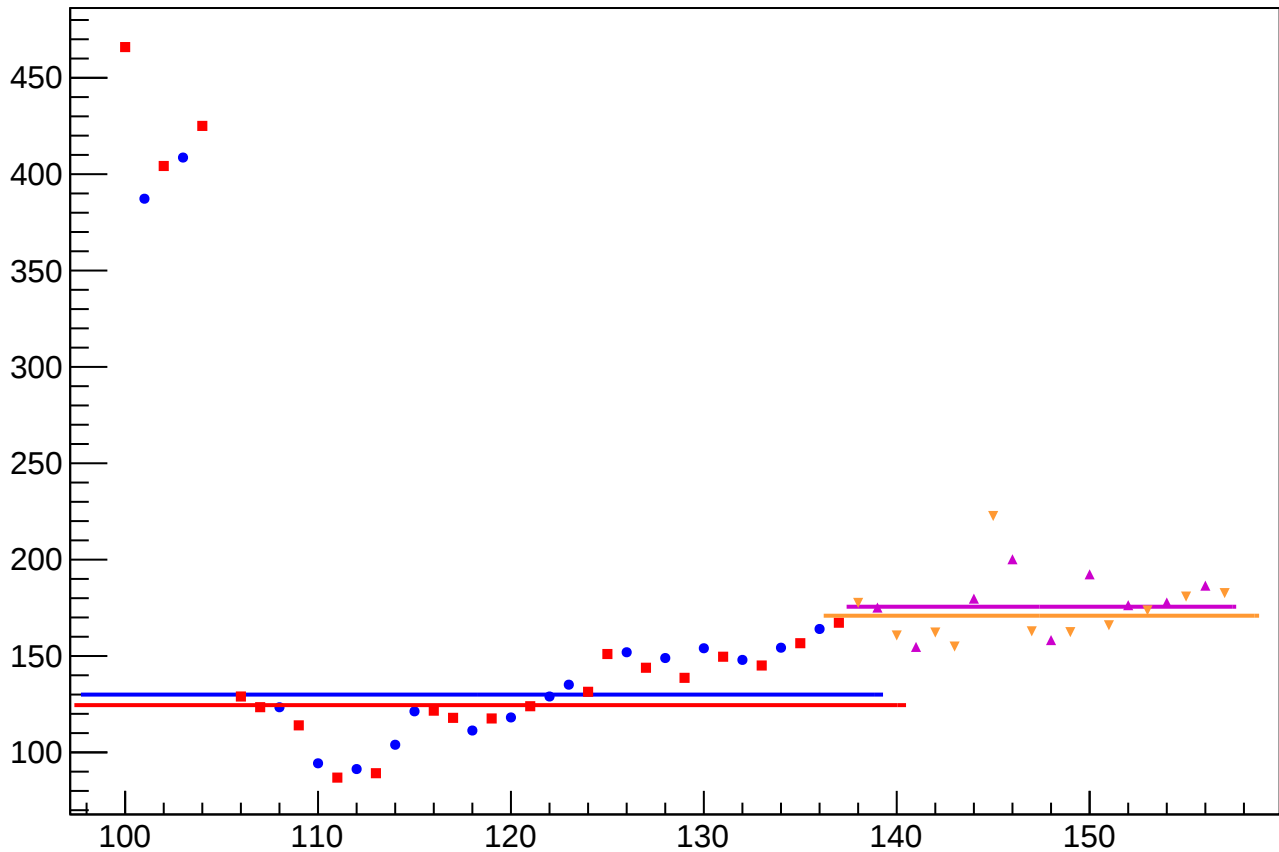
Left In: 129158.136 $\pm$ 0.065 χ^2 /NDF: 77453967.9/8

128528.002 $\pm$ 0.041 χ^2 /NDF: 4596842666.7/27

128452.431 $\pm$ 0.028 χ^2 /NDF: 867521553

128379.542 $\pm$ 0.040 χ^2 /NDF: 4071544848.4/28

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.980 +/- 0.039 χ^2/NDF : 1485519.5/16

Left Out: 170.911 +/- 0.043 χ^2/NDF : 128299.7/10

Right Out: 124.514 +/- 0.035 χ^2/NDF : 1531546.7/19

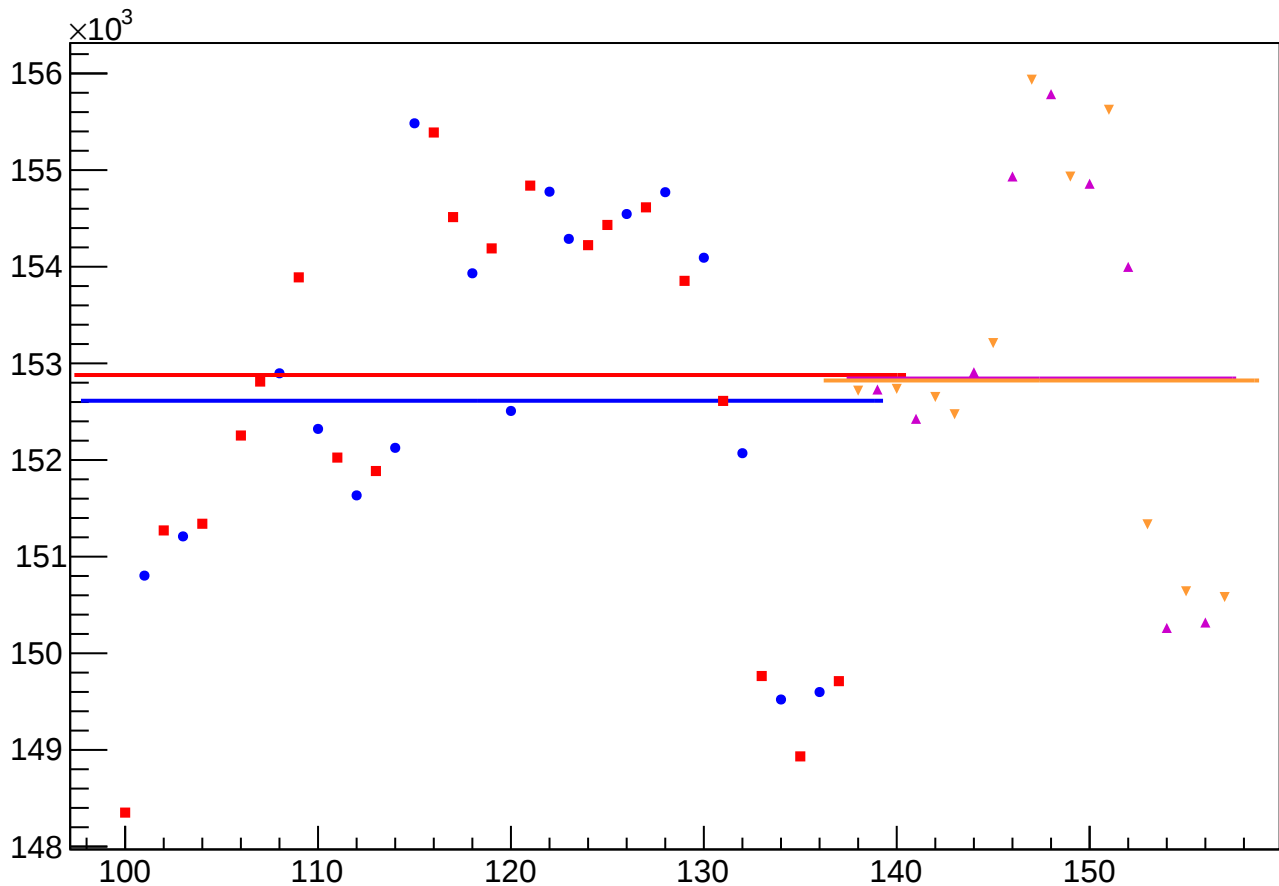
Left In: 175.572 +/- 0.046 χ^2/NDF : 92843.7/8

148.300 +/- 0.029 χ^2/NDF : 2118030.5/27

145.821 +/- 0.020 χ^2/NDF : 4524400.4/56

143.431 +/- 0.028 χ^2/NDF : 2391681.8/28

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152613.122 $\pm$ 0.072 χ^2 /NDF: 623356098.4/16

Left Out: 152822.885 $\pm$ 0.068 χ^2 /NDF: 600682312.7/10

Right Out: 152879.455 $\pm$ 0.066 χ^2 /NDF: 717907168.5/19

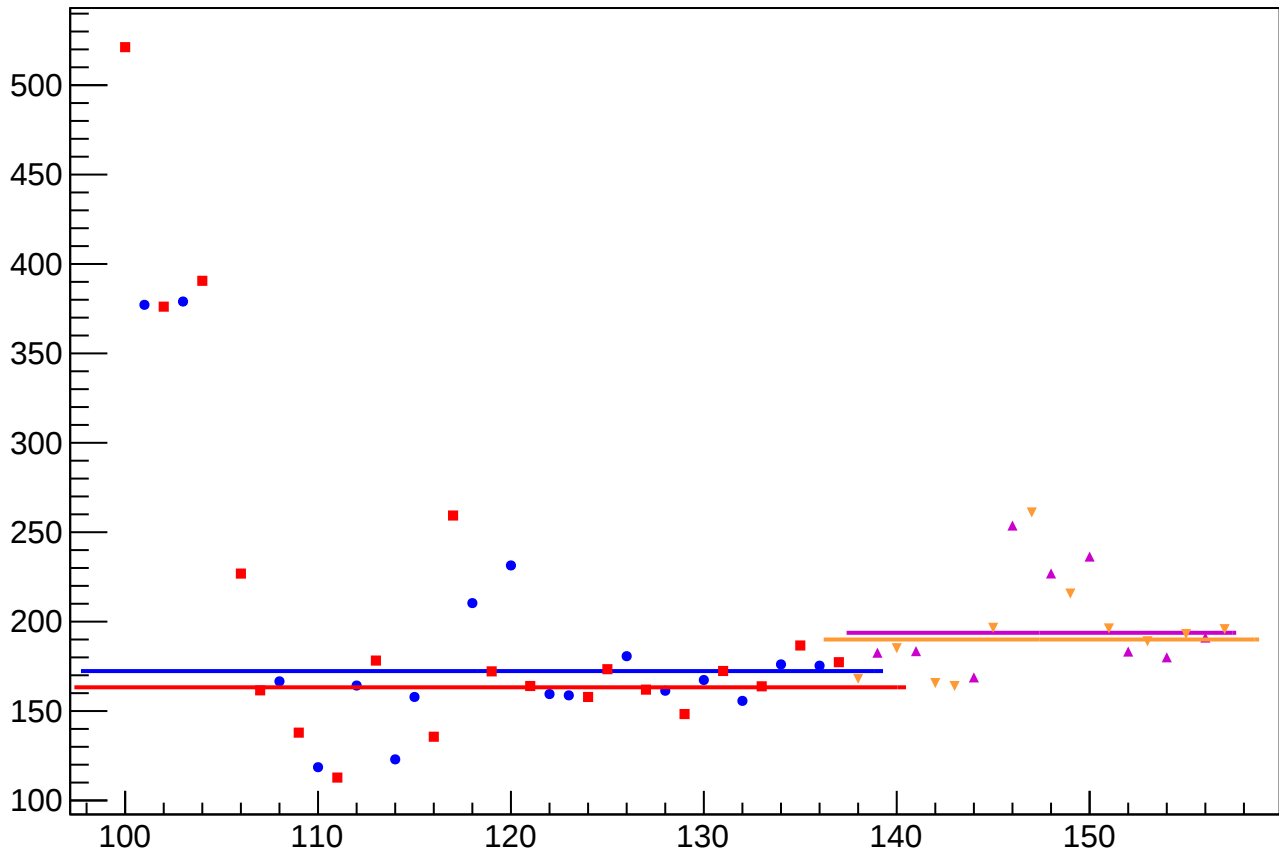
Left In: 152842.961 $\pm$ 0.073 χ^2 /NDF: 585686309.4/8

152724.700 $\pm$ 0.049 χ^2 /NDF: 1228520028.8/27

152794.545 $\pm$ 0.035 χ^2 /NDF: 253620148

152862.950 $\pm$ 0.049 χ^2 /NDF: 1303731282.3/28

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.351+/-0.051 χ^2/NDF : 921911.1/16

Left Out: 190.009+/-0.048 χ^2/NDF : 218836.5/10

Right Out: 163.273+/-0.047 χ^2/NDF : 1043440.1/19

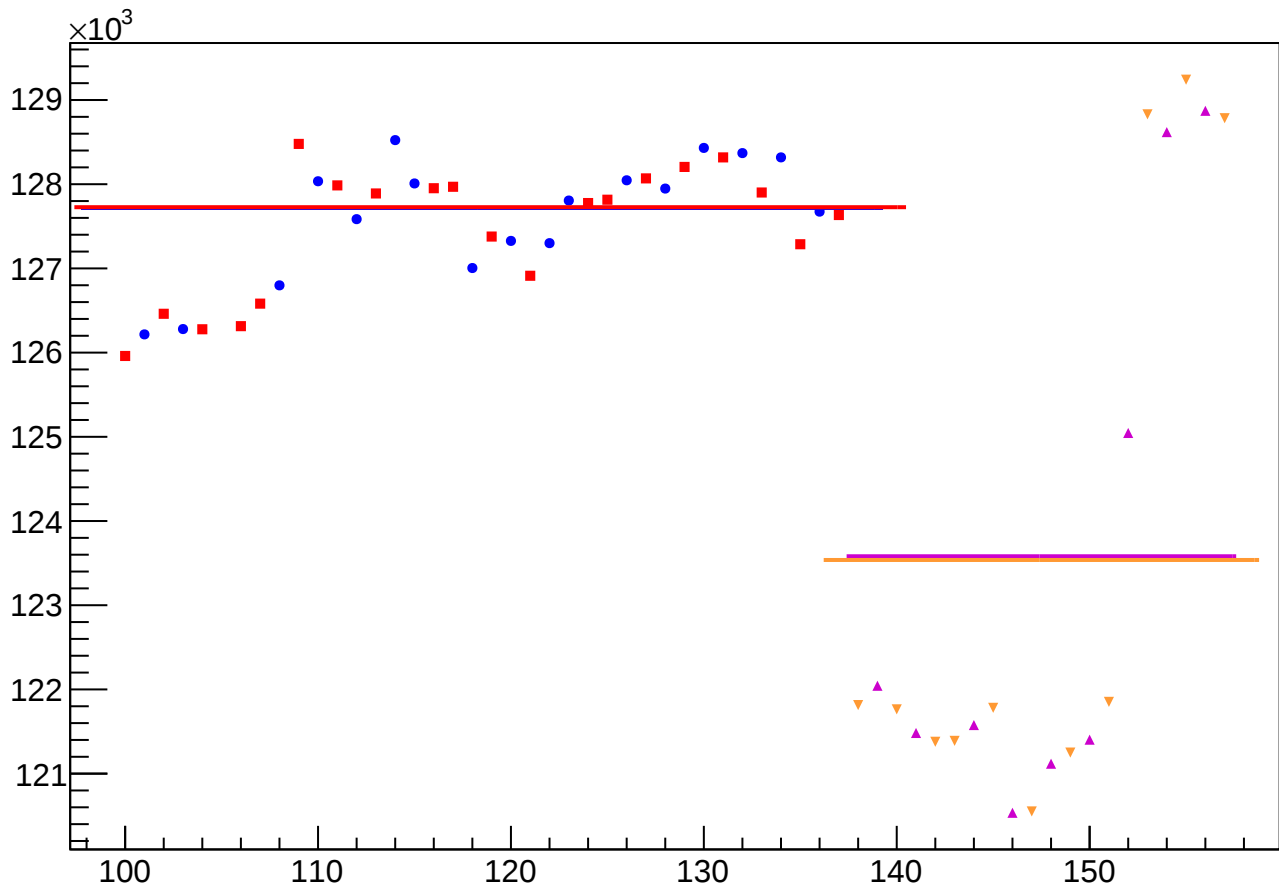
Left In: 193.758+/-0.051 χ^2/NDF : 239673.1/8

181.744+/-0.035 χ^2/NDF : 1204266.8/27

179.378+/-0.025 χ^2/NDF : 2688765.6/56

177.060+/-0.035 χ^2/NDF : 1475431.6/28

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127717.888 $\pm$ 0.058 χ^2 /NDF: 95177660.2/16

Left Out: 123537.337 $\pm$ 0.059 χ^2 /NDF: 3125306601.4/10

Right Out: 127726.969 $\pm$ 0.054 χ^2 /NDF: 112752557.5/19

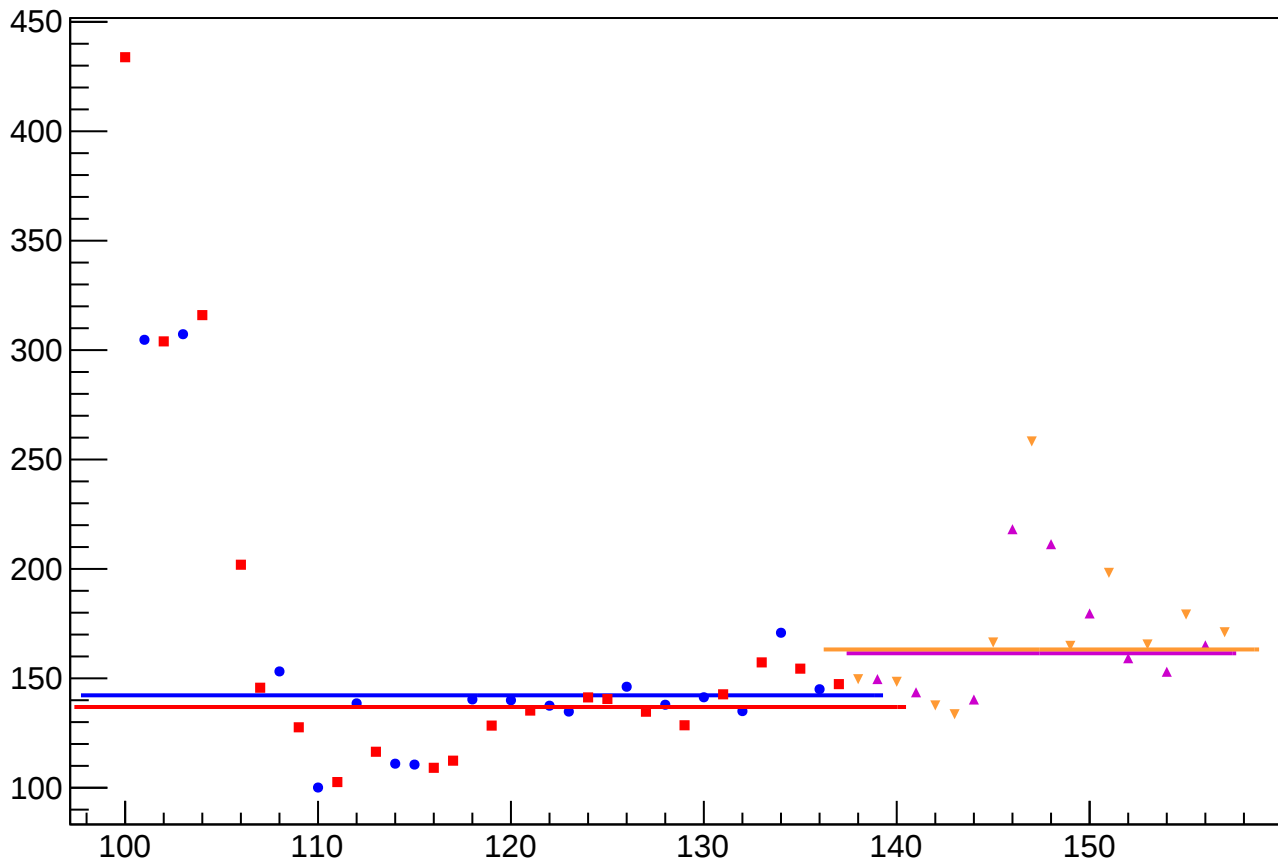
Left In: 123581.442 $\pm$ 0.061 χ^2 /NDF: 2527463212.6/8

125652.243 $\pm$ 0.041 χ^2 /NDF: 5762524908.0/27

125777.726 $\pm$ 0.029 χ^2 /NDF: 109973260

125897.793 $\pm$ 0.041 χ^2 /NDF: 5216871916.3/28

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 142.240 +/- 0.041 χ^2/NDF : 836415.1/16

Left Out: 163.200 +/- 0.042 χ^2/NDF : 391135.5/10

Right Out: 136.904 +/- 0.038 χ^2/NDF : 961858.5/19

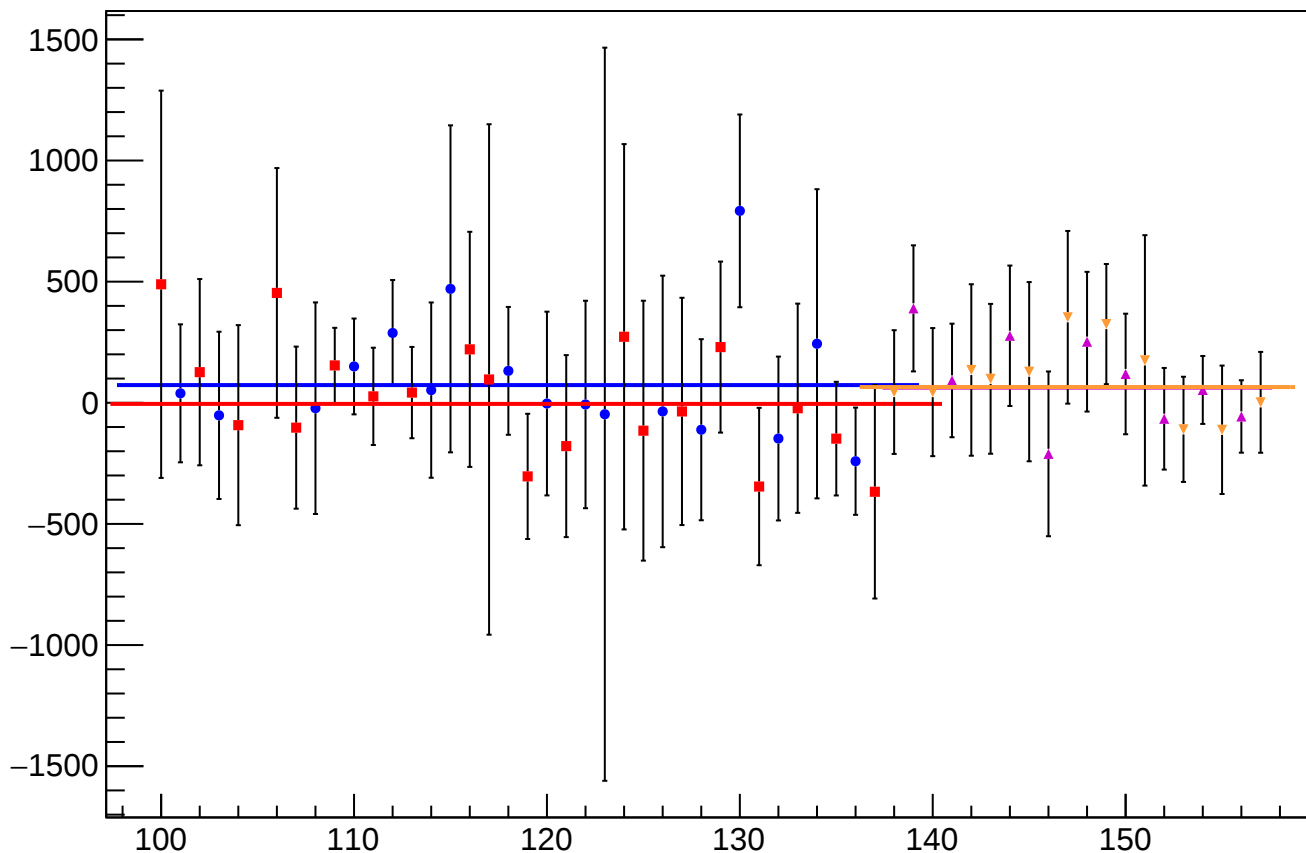
Left In: 161.455 +/- 0.043 χ^2/NDF : 286674.0/8

152.597 +/- 0.029 χ^2/NDF : 1355345.1/27

150.113 +/- 0.020 χ^2/NDF : 2798673.0/56

147.737 +/- 0.029 χ^2/NDF : 1429281.1/28

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 73.109+/-79.604 χ^2/NDF : 7.9/16

Left Out: 64.957+/-83.981 χ^2/NDF : 3.1/10

Right Out: -4.574+/-69.944 χ^2/NDF : 7.1/19

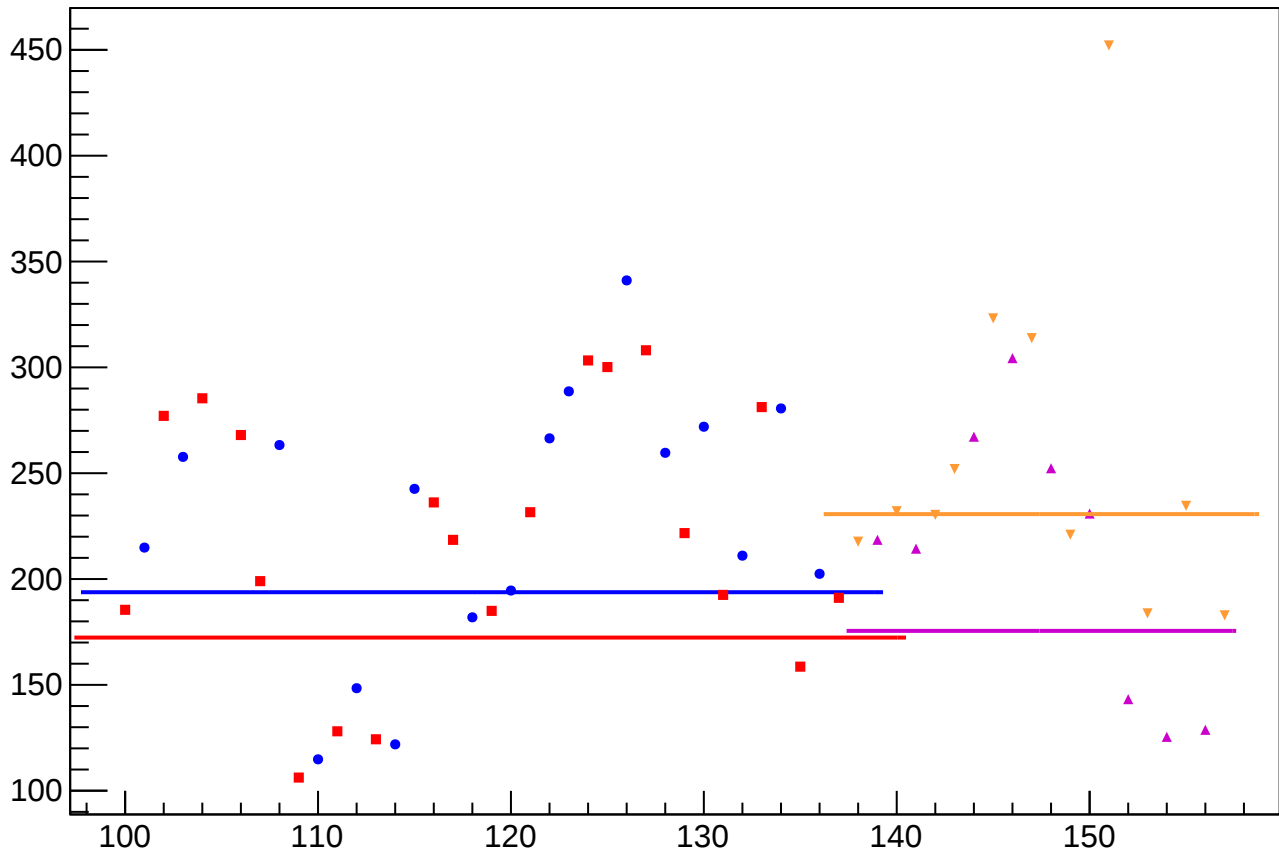
Left In: 62.637+/-70.708 χ^2/NDF : 4.3/8

69.251+/-57.774 χ^2/NDF : 10.9/27

45.937+/-37.688 χ^2/NDF : 23.1/56

28.666+/-49.726 χ^2/NDF : 11.8/28

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.773 +/- 0.056 χ^2/NDF : 1017081.7/16

Left Out: 230.665 +/- 0.059 χ^2/NDF : 817877.8/10

Right Out: 172.346 +/- 0.049 χ^2/NDF : 1583893.0/19

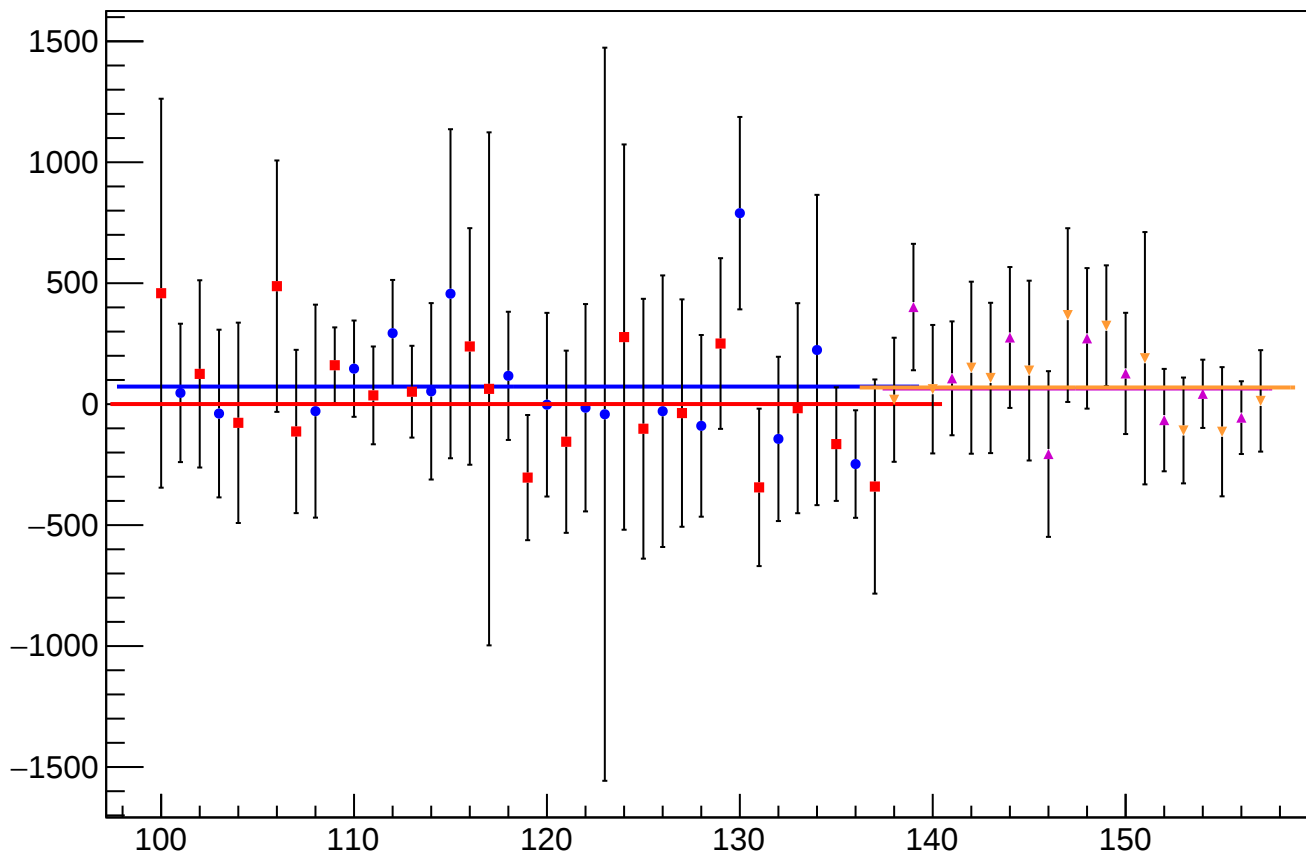
Left In: 175.507 +/- 0.050 χ^2/NDF : 1335923.3/8

211.232 +/- 0.041 χ^2/NDF : 2038259.4/27

189.792 +/- 0.027 χ^2/NDF : 5439574.5/56

173.909 +/- 0.035 χ^2/NDF : 2921836.0/28

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 72.675 $\pm$ 79.992 χ^2 /NDF: 7.8/16

Left Out: 68.994 $\pm$ 84.514 χ^2 /NDF: 3.1/10

Right Out: 0.459 $\pm$ 70.312 χ^2 /NDF: 7.3/19

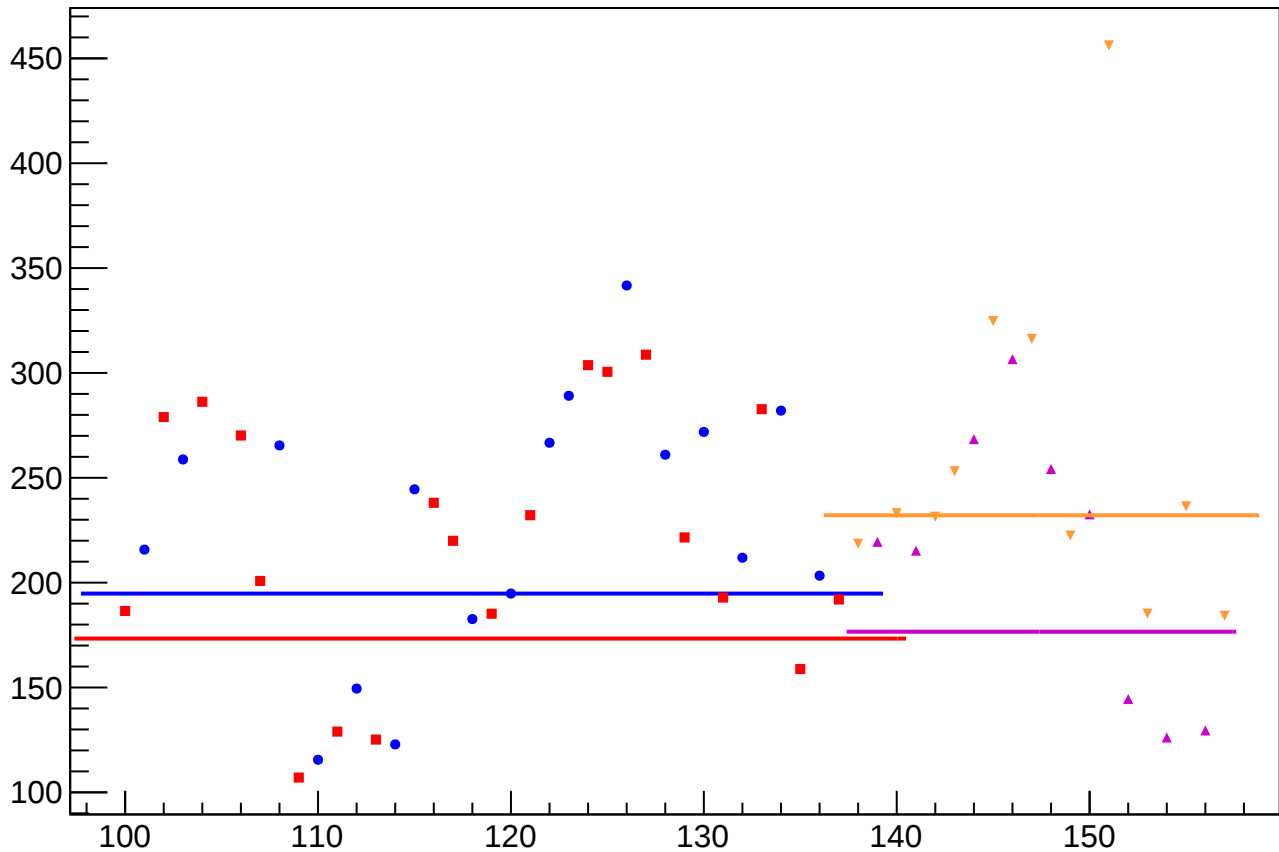
Left In: 64.615 $\pm$ 71.151 χ^2 /NDF: 4.5/8

70.935 $\pm$ 58.095 χ^2 /NDF: 10.9/27

48.662 $\pm$ 37.902 χ^2 /NDF: 23.3/56

32.156 $\pm$ 50.012 χ^2 /NDF: 12.2/28

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.782 +/- 0.057 χ^2/NDF : 1008292.8/16

Left Out: 232.127 +/- 0.060 χ^2/NDF : 817443.7/10

Right Out: 173.337 +/- 0.050 χ^2/NDF : 1571436.7/19

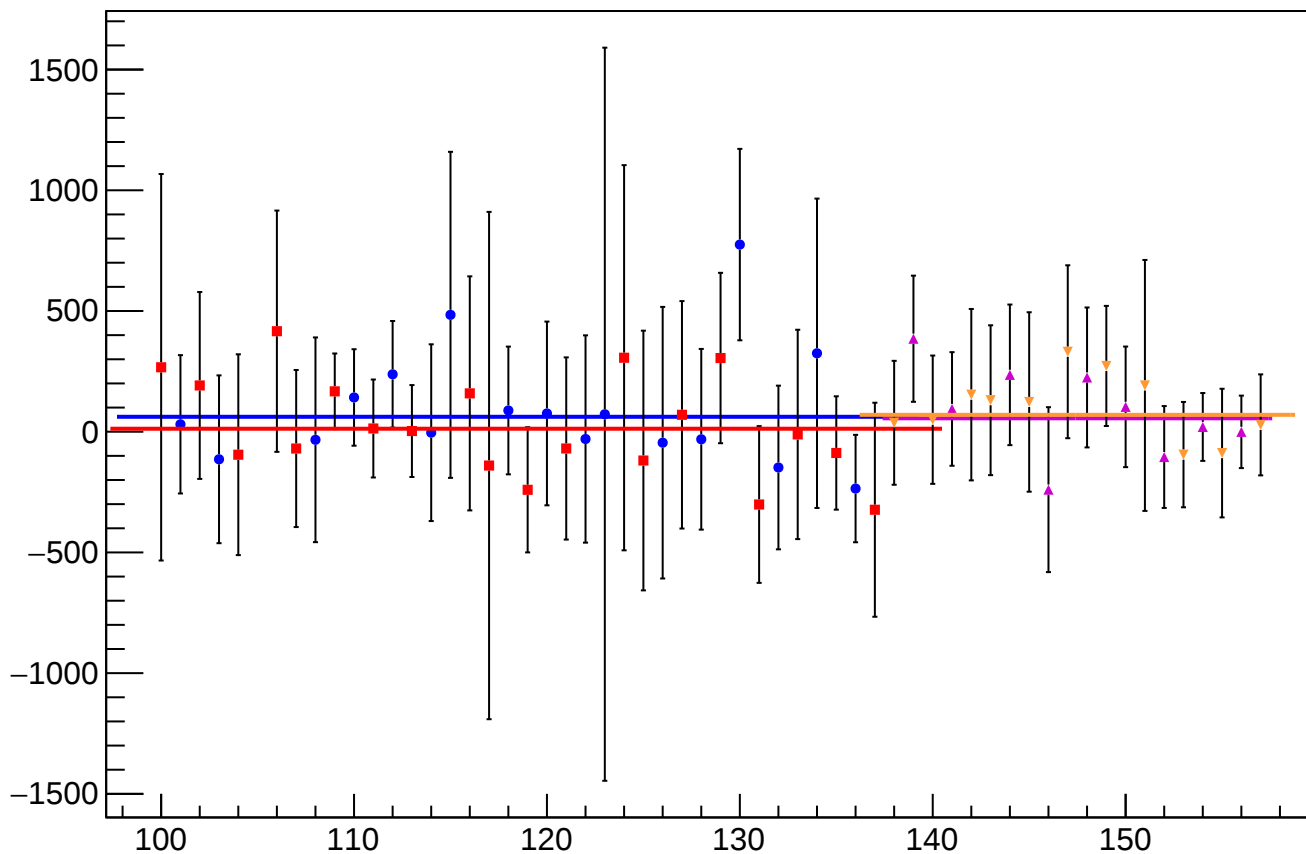
Left In: 176.605 +/- 0.050 χ^2/NDF : 1334519.0/8

212.429 +/- 0.041 χ^2/NDF : 2031715.5/27

190.903 +/- 0.027 χ^2/NDF : 5417842.9/56

174.952 +/- 0.035 χ^2/NDF : 2908089.8/28

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 61.814+/-79.986 χ^2/NDF : 7.3/16

Left Out: 69.961+/-84.358 χ^2/NDF : 2.4/10

Right Out: 12.417+/-70.233 χ^2/NDF : 5.8/19

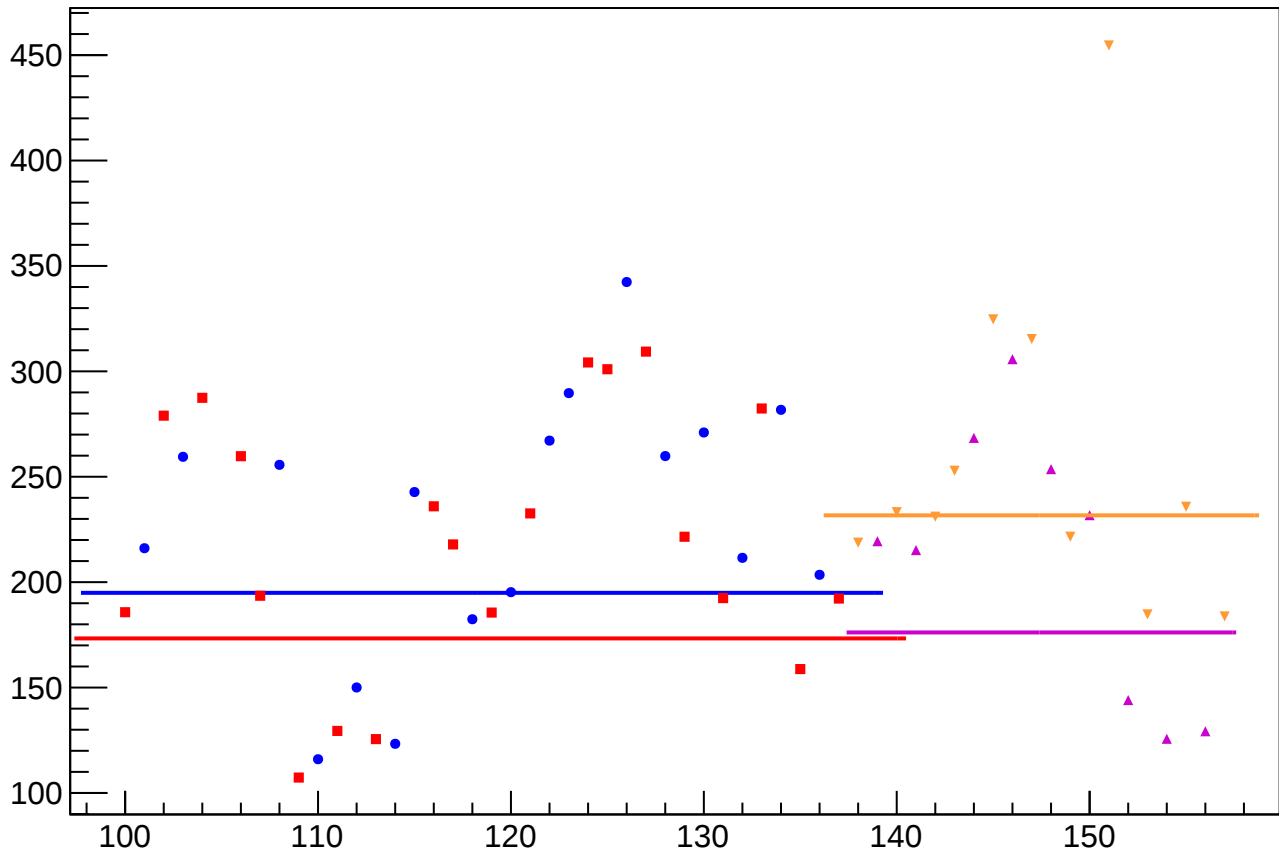
Left In: 55.488+/-70.980 χ^2/NDF : 3.9/8

65.671+/-58.043 χ^2/NDF : 9.6/27

47.309+/-37.849 χ^2/NDF : 19.7/56

33.725+/-49.924 χ^2/NDF : 9.9/28

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.939 ± 0.057 χ^2/NDF : 986629.1/16

Left Out: 231.697 ± 0.060 χ^2/NDF : 818217.1/10

Right Out: 173.309 ± 0.050 χ^2/NDF : 1548342.3/19

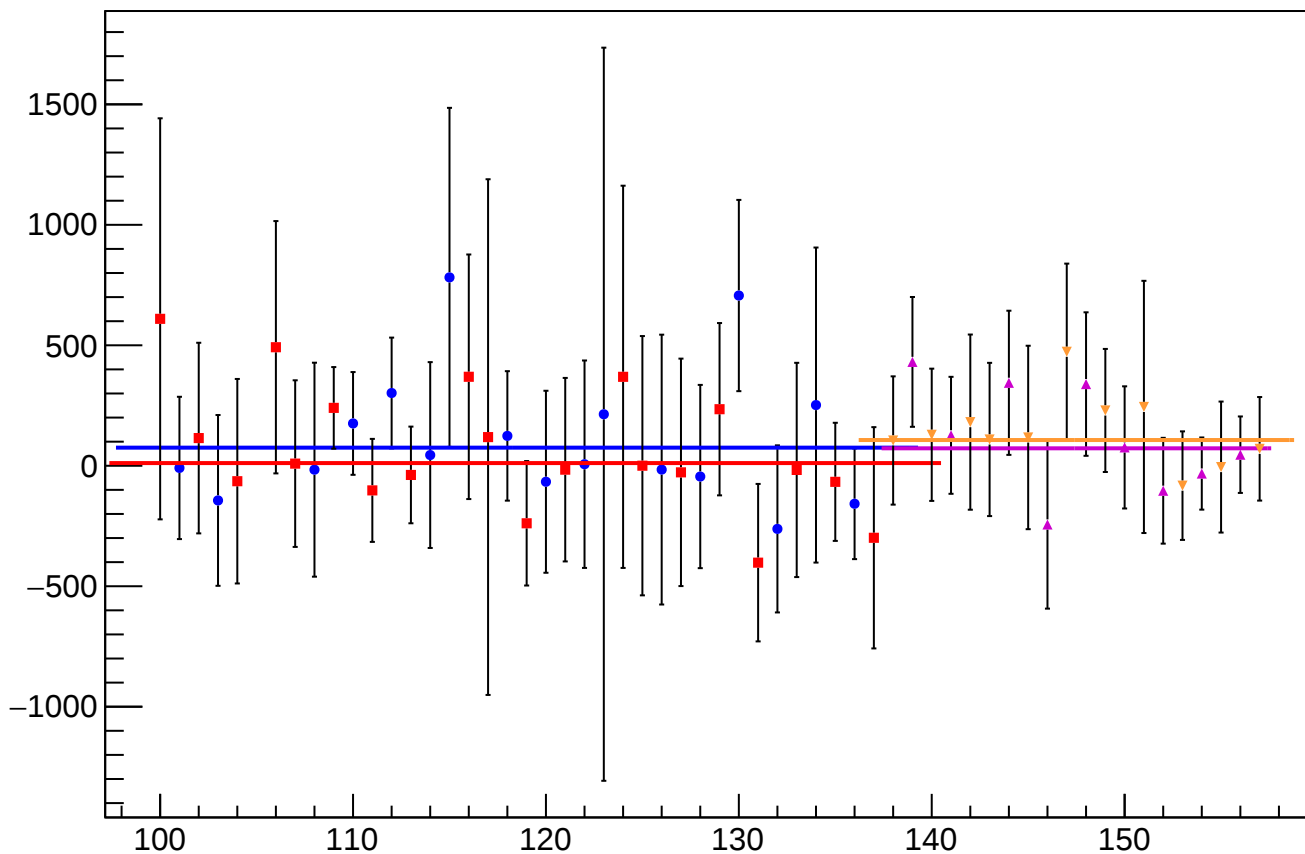
Left In: 176.145 ± 0.050 χ^2/NDF : 1340001.1/8

212.341 ± 0.041 χ^2/NDF : 2004807.8/27

190.713 ± 0.027 χ^2/NDF : 5377904.8/56

174.712 ± 0.035 χ^2/NDF : 2889956.1/28

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 75.207 $\pm$ 82.504 χ^2 /NDF: 7.6/16

Left Out: 106.834 $\pm$ 86.679 χ^2 /NDF: 2.3/10

Right Out: 11.180 $\pm$ 73.166 χ^2 /NDF: 7.8/19

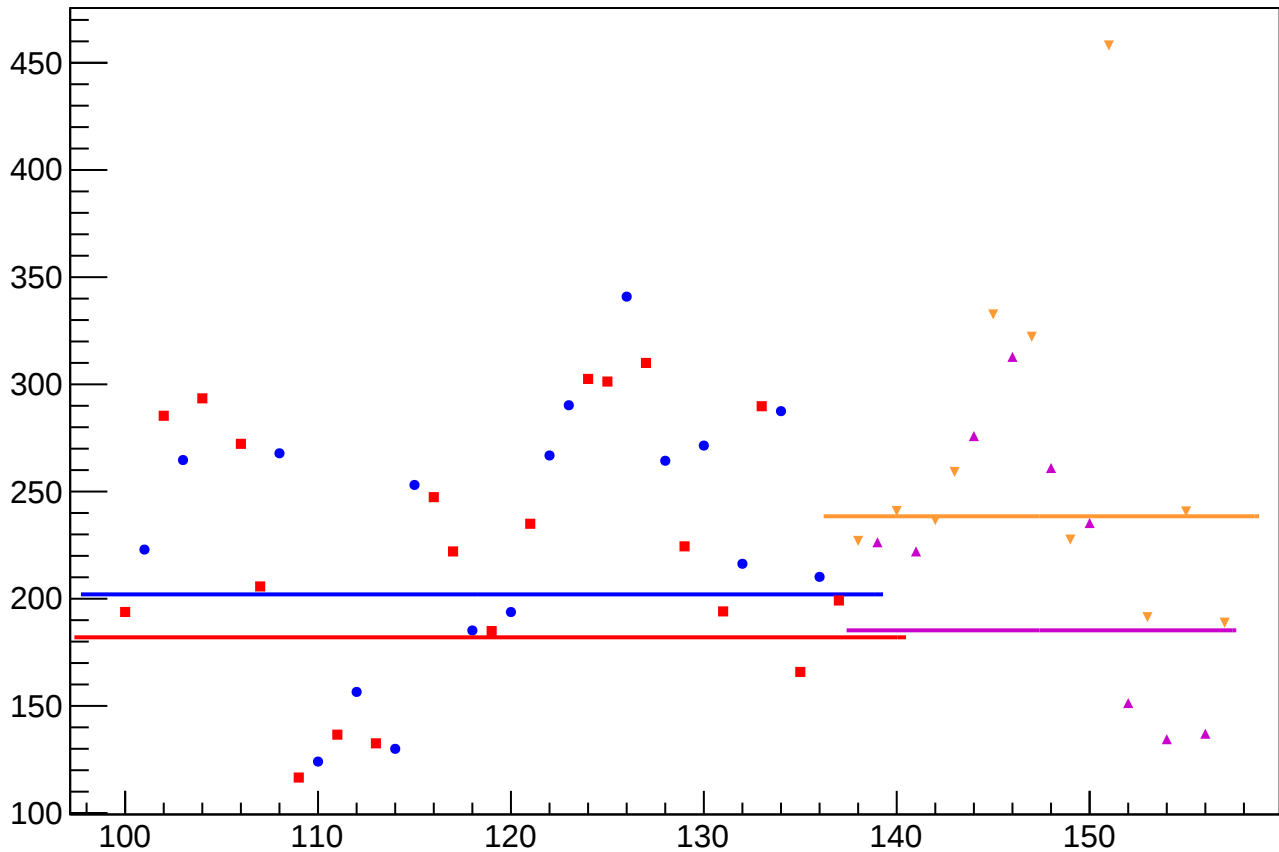
Left In: 72.416 $\pm$ 74.123 χ^2 /NDF: 5.4/8

90.240 $\pm$ 59.761 χ^2 /NDF: 10.0/27

62.478 $\pm$ 39.259 χ^2 /NDF: 24.0/56

41.400 $\pm$ 52.071 χ^2 /NDF: 13.6/28

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.029 ± 0.058 $\chi^2/\text{NDF}: 881608.7/16$

Left Out: 238.460 ± 0.061 $\chi^2/\text{NDF}: 789581.2/10$

Right Out: 182.000 ± 0.052 $\chi^2/\text{NDF}: 1380354.3/19$

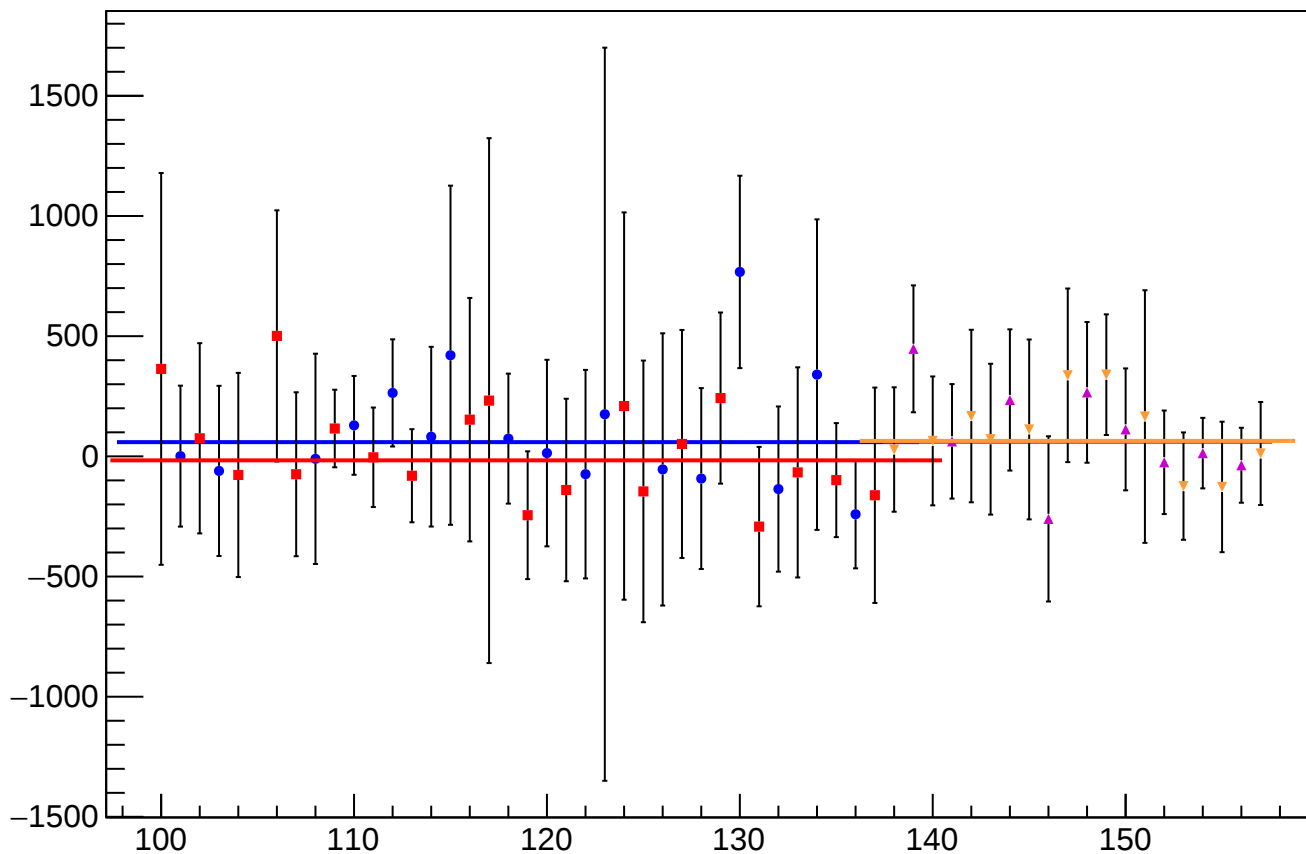
Left In: 185.255 ± 0.052 $\chi^2/\text{NDF}: 1212500.0/8$

219.346 ± 0.042 $\chi^2/\text{NDF}: 1856547.7/27$

199.030 ± 0.028 $\chi^2/\text{NDF}: 4857971.6/56$

183.606 ± 0.037 $\chi^2/\text{NDF}: 2594808.6/28$

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 59.175 $\pm$ 81.417 χ^2 /NDF: 7.1/16

Left Out: 64.348 $\pm$ 85.601 χ^2 /NDF: 3.2/10

Right Out: -16.650 $\pm$ 71.745 χ^2 /NDF: 4.7/19

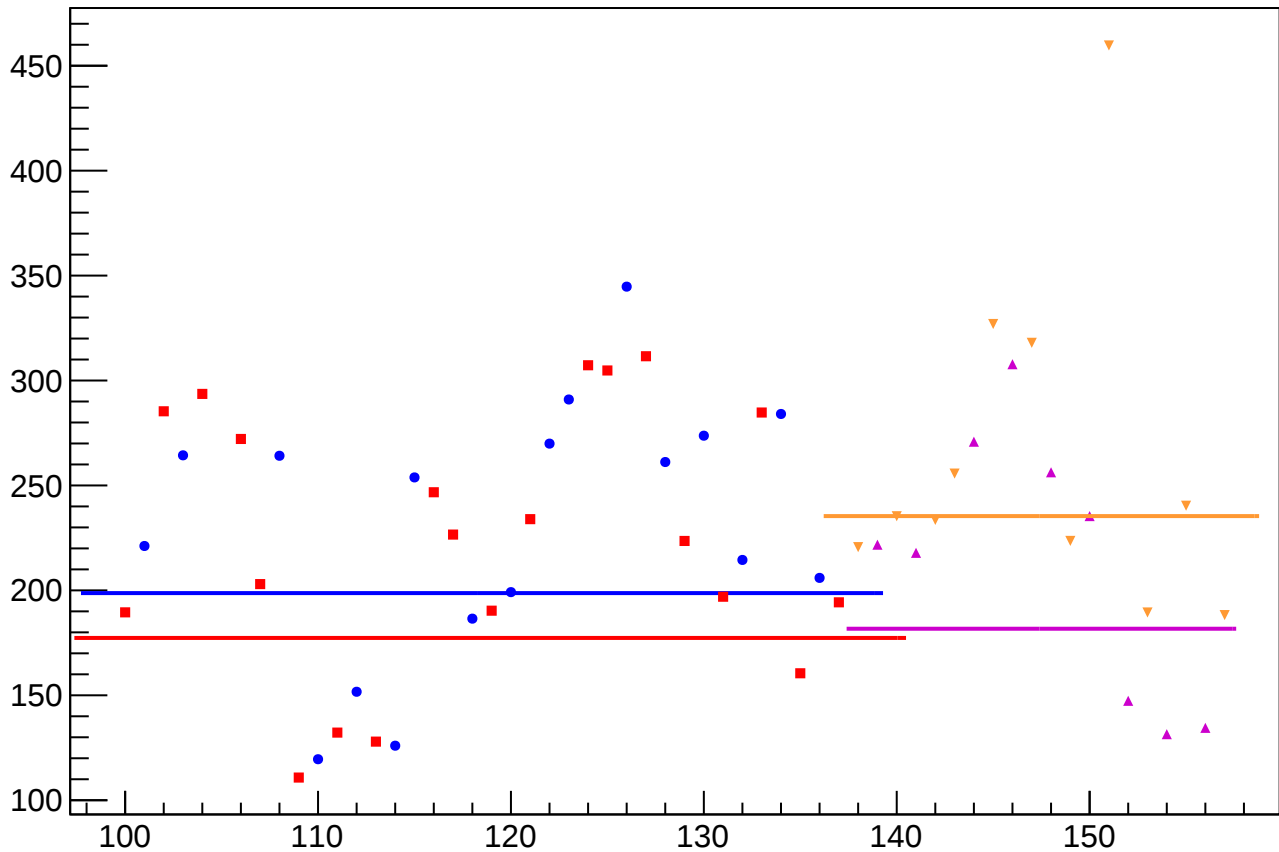
Left In: 60.833 $\pm$ 72.862 χ^2 /NDF: 4.6/8

61.632 $\pm$ 58.994 χ^2 /NDF: 10.3/27

38.707 $\pm$ 38.634 χ^2 /NDF: 20.4/56

21.493 $\pm$ 51.122 χ^2 /NDF: 9.8/28

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.704 +/- 0.058 χ^2/NDF : 963394.4/16

Left Out: 235.395 +/- 0.061 χ^2/NDF : 790072.2/10

Right Out: 177.338 +/- 0.051 χ^2/NDF : 1528976.8/19

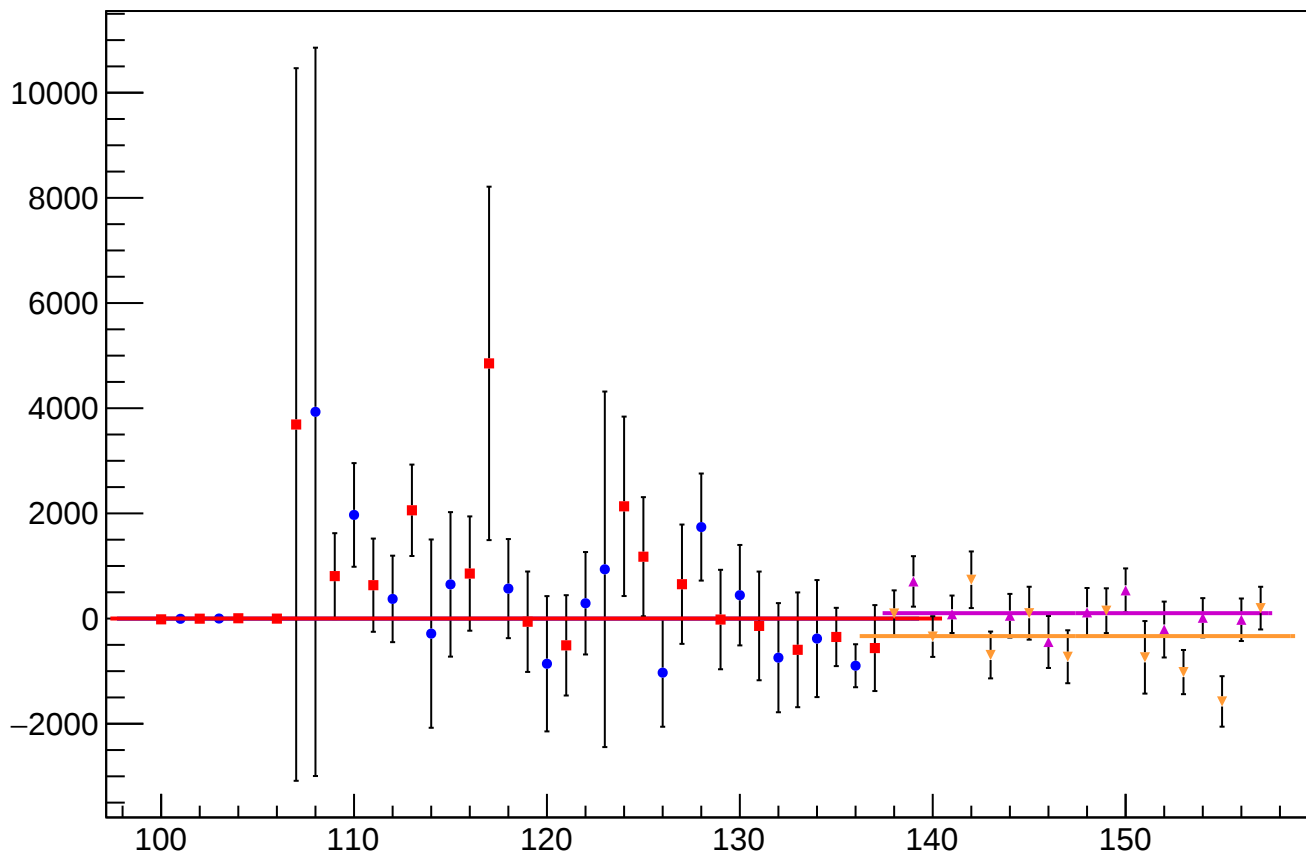
Left In: 181.723 +/- 0.052 χ^2/NDF : 1233205.4/8

216.131 +/- 0.042 χ^2/NDF : 1946393.8/27

195.208 +/- 0.027 χ^2/NDF : 5152721.4/56

179.497 +/- 0.036 χ^2/NDF : 2765859.4/28

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.529 ± 2.251 χ^2/NDF : 16.6/16

Left Out: -333.259 ± 138.748 χ^2/NDF : 19.6/10

Right Out: 0.733 ± 2.111 χ^2/NDF : 20.5/19

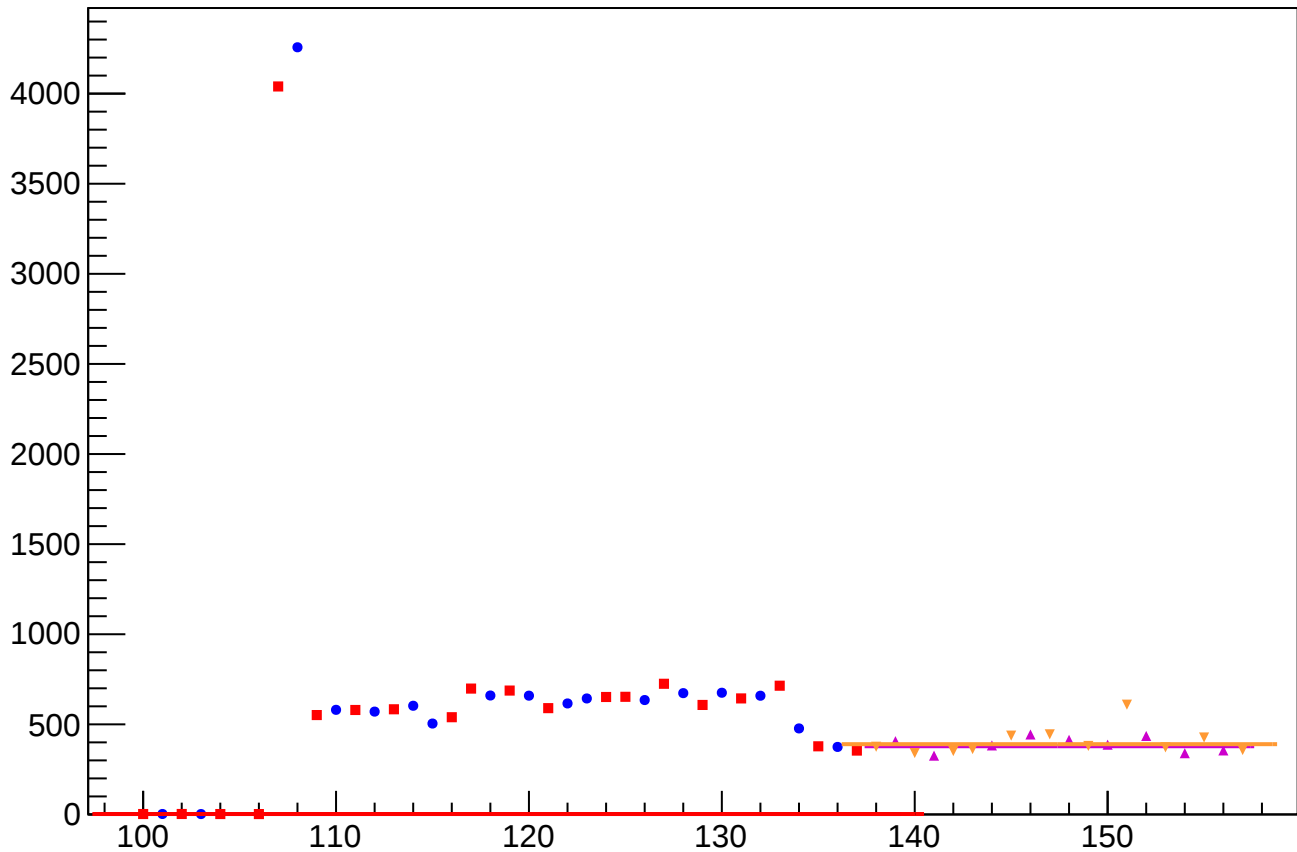
Left In: 102.664 ± 142.318 χ^2/NDF : 4.4/8

-1.616 ± 2.251 χ^2/NDF : 42.0/27

-0.354 ± 1.540 χ^2/NDF : 68.0/56

0.756 ± 2.111 χ^2/NDF : 25.4/28

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 390.004+/-0.098 χ^2/NDF : 324793.9/10

Right Out: 2.437+/-0.001 χ^2/NDF : 11225999.1/19

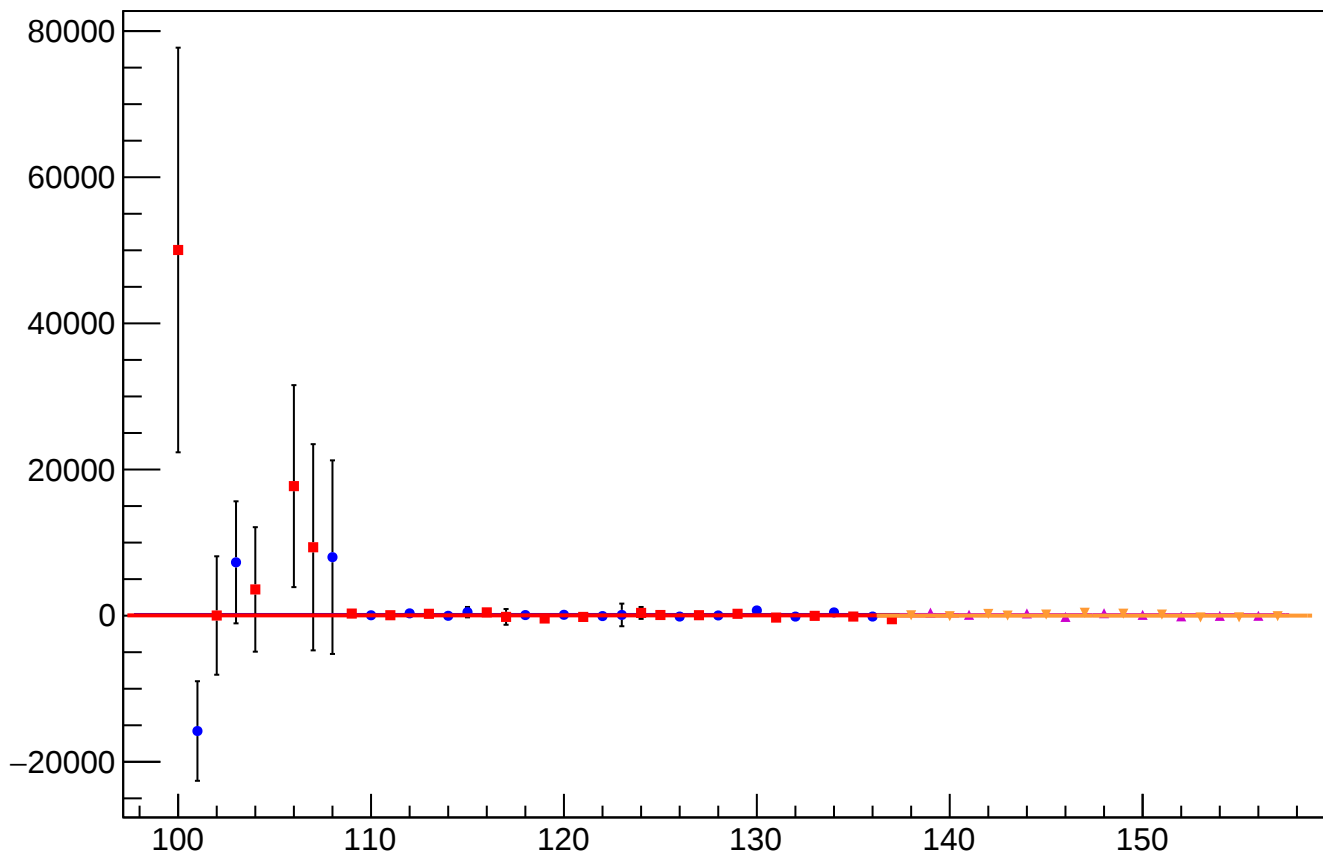
Left In: 378.591+/-0.101 χ^2/NDF : 148829.1/8

2.558+/-0.002 χ^2/NDF : 26630791.9/27

2.538+/-0.001 χ^2/NDF : 51974272.2/56

2.520+/-0.001 χ^2/NDF : 25343169.7/28

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: 7.568+/-91.487 χ^2/NDF : 4.5/10

Right Out: 41.335+/-84.288 χ^2/NDF : 14.0/19

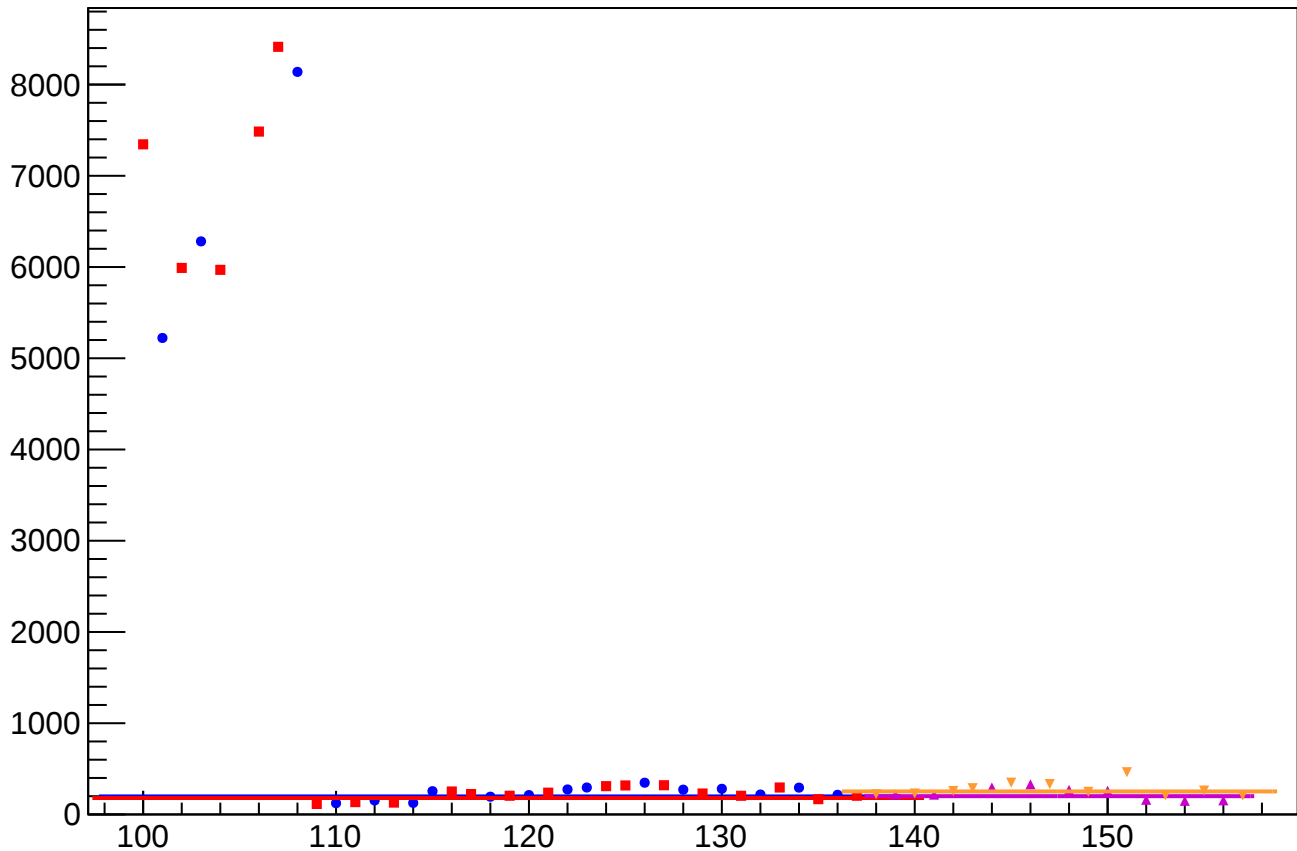
Left In: 76.121+/-79.396 χ^2/NDF : 4.6/8

51.355+/-64.769 χ^2/NDF : 16.9/27

56.038+/-43.122 χ^2/NDF : 35.7/56

59.767+/-57.793 χ^2/NDF : 18.8/28

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.422 ± 0.065 χ^2/NDF : 3695848.3/16

Left Out: 252.358 ± 0.065 χ^2/NDF : 726053.4/10

Right Out: 180.250 ± 0.060 χ^2/NDF : 4324682.8/19

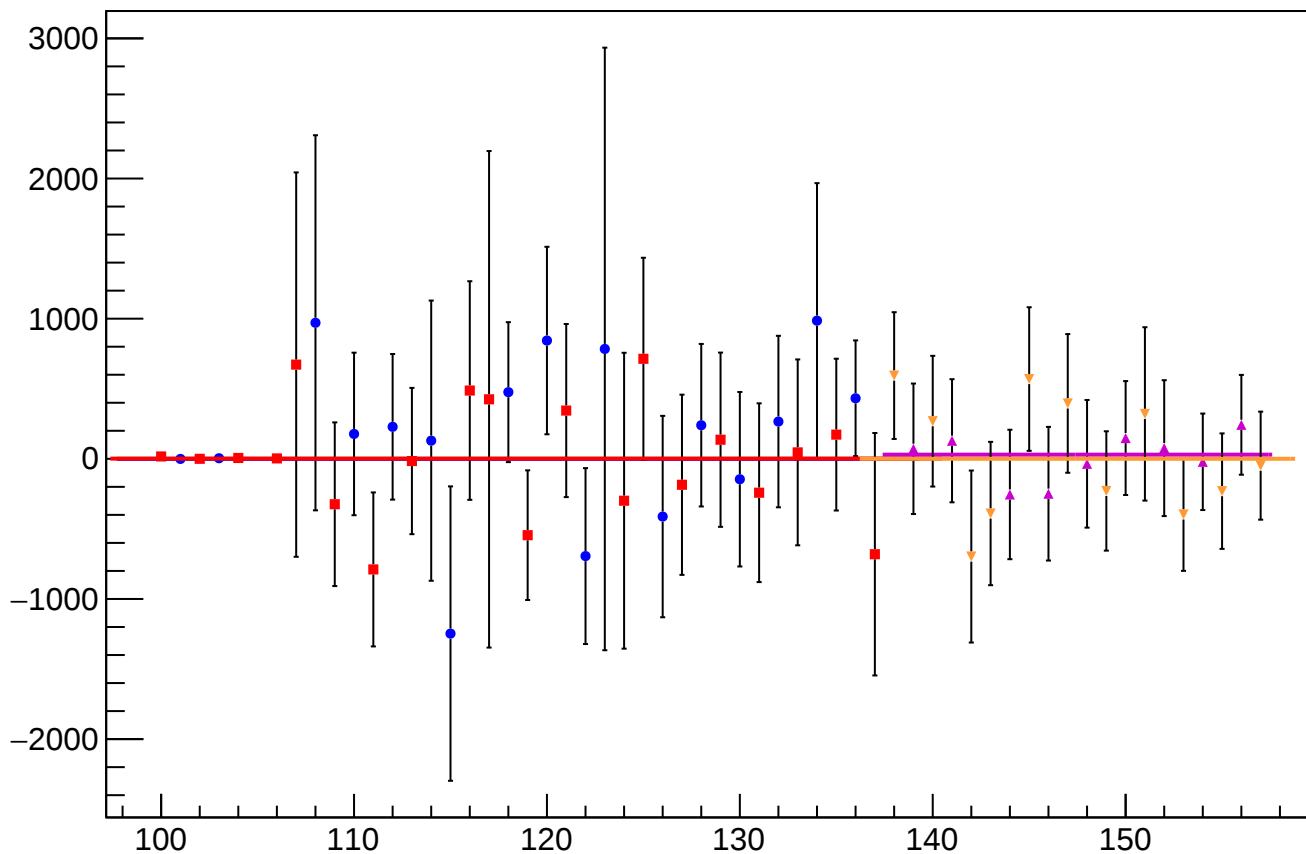
Left In: 200.338 ± 0.056 χ^2/NDF : 1007139.9/8

224.956 ± 0.046 χ^2/NDF : 4781612.6/27

205.993 ± 0.030 χ^2/NDF : 10481581.1/56

190.894 ± 0.041 χ^2/NDF : 5392011.4/28

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.139 $\pm$ 1.737 χ^2/NDF : 9.8/16

Left Out: 0.333 $\pm$ 140.326 χ^2/NDF : 7.7/10

Right Out: 1.324 $\pm$ 1.623 χ^2/NDF : 9.6/19

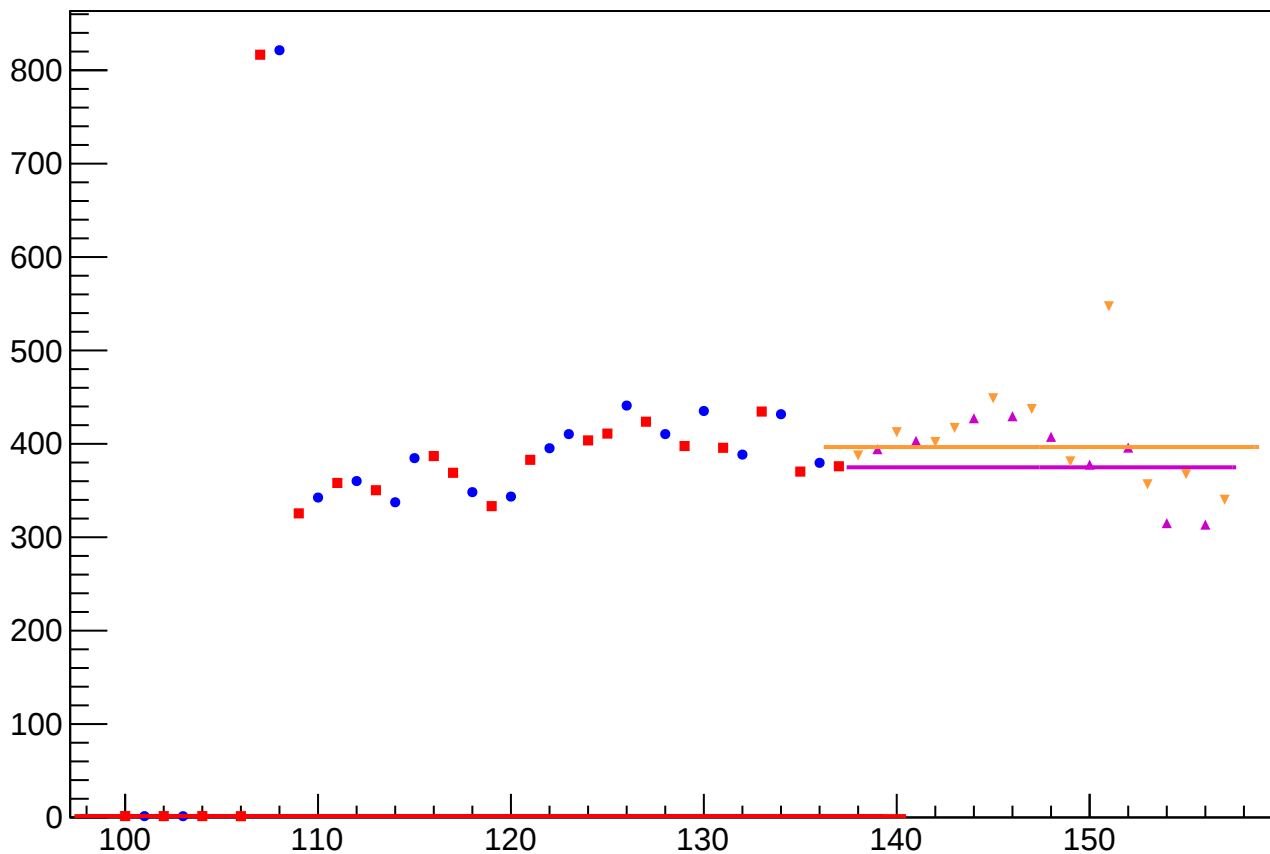
Left In: 29.691 $\pm$ 140.946 χ^2/NDF : 1.3/8

-0.139 $\pm$ 1.736 χ^2/NDF : 17.4/27

0.644 $\pm$ 1.186 χ^2/NDF : 28.7/56

1.328 $\pm$ 1.622 χ^2/NDF : 10.9/28

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.452 $\pm$ 0.001 χ^2 /NDF: 10815892.9/16

Left Out: 396.562 $\pm$ 0.099 χ^2 /NDF: 234521.3/10

Right Out: 1.451 $\pm$ 0.001 χ^2 /NDF: 10959647.1/19

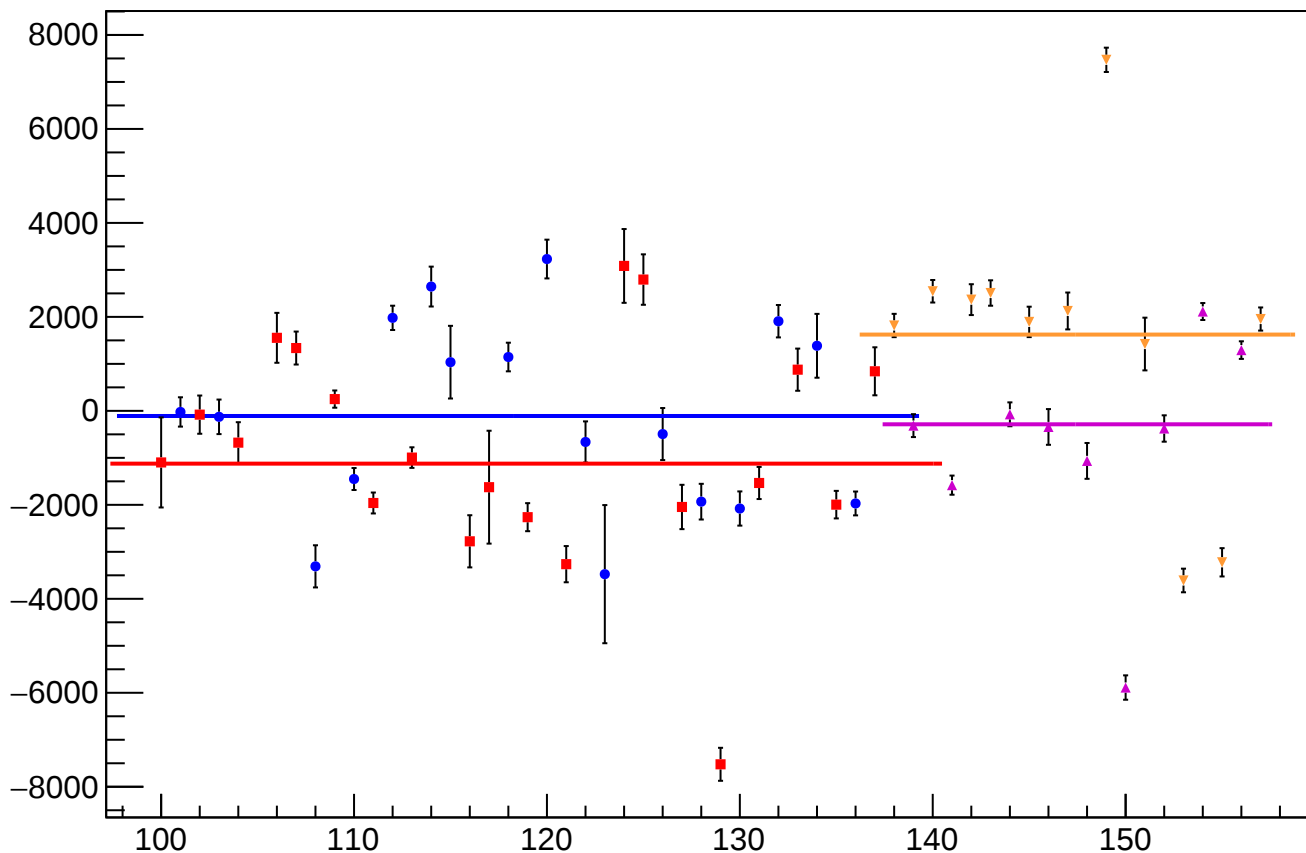
Left In: 374.873 $\pm$ 0.100 χ^2 /NDF: 197815.1/8

1.513 $\pm$ 0.001 χ^2 /NDF: 26903890.5/27

1.506 $\pm$ 0.001 χ^2 /NDF: 52098200.8/56

1.501 $\pm$ 0.001 χ^2 /NDF: 25194260.2/28

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -109.225+/-87.961 χ^2/NDF : 428.3/16

Left Out: 1623.506+/-86.349 χ^2/NDF :1238.3/10

Right Out: -1123.337+/-78.230 χ^2/NDF : 670.2/19

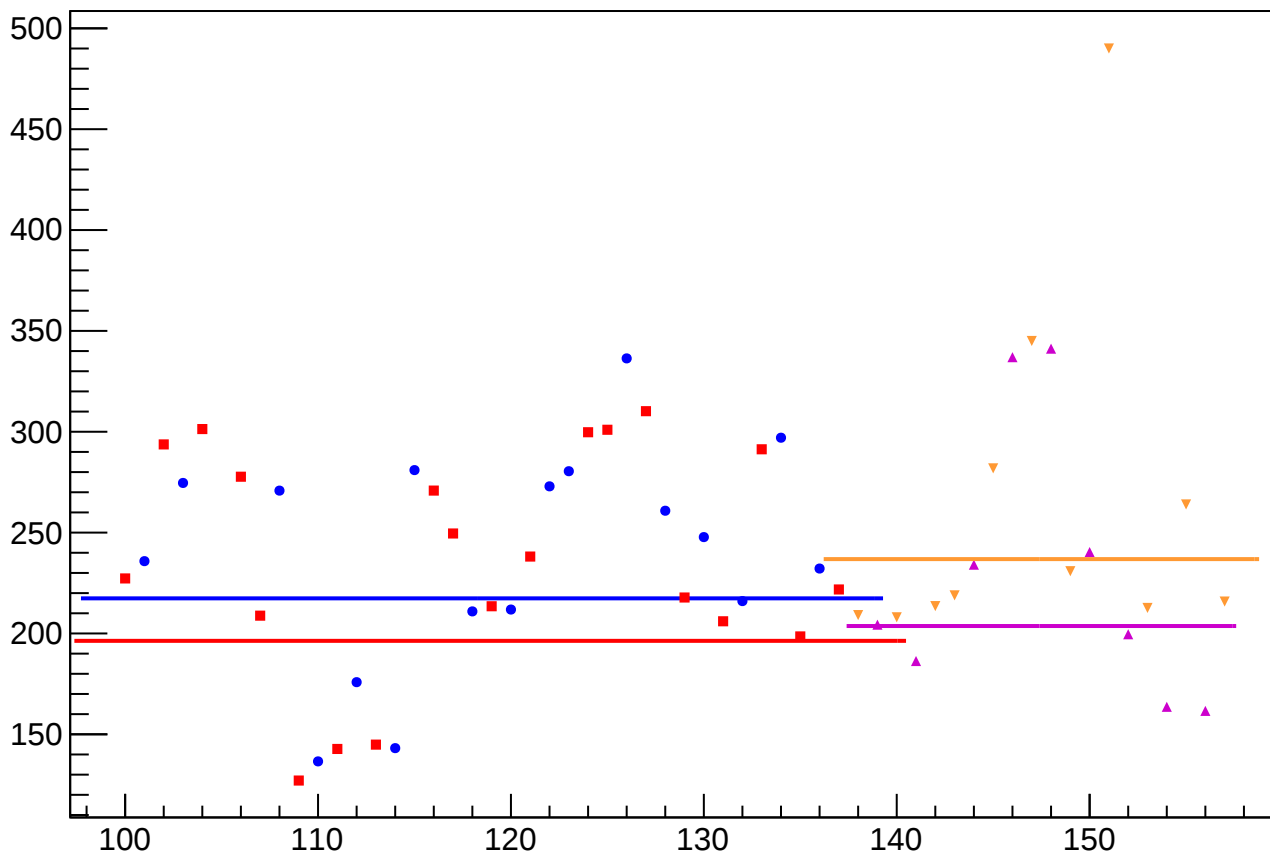
Left In: -286.004+/-79.838 χ^2/NDF :759.2/8

773.169+/-61.620 χ^2/NDF : 1864.3/27

-42.492+/-41.393 χ^2/NDF : 3669.1/56

-713.190+/-55.877 χ^2/NDF : 1485.6/28

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.403 +/- 0.062 χ^2/NDF : 652632.9/16

Left Out: 236.861 +/- 0.061 χ^2/NDF : 721148.6/10

Right Out: 196.339 +/- 0.055 χ^2/NDF : 1194805.7/19

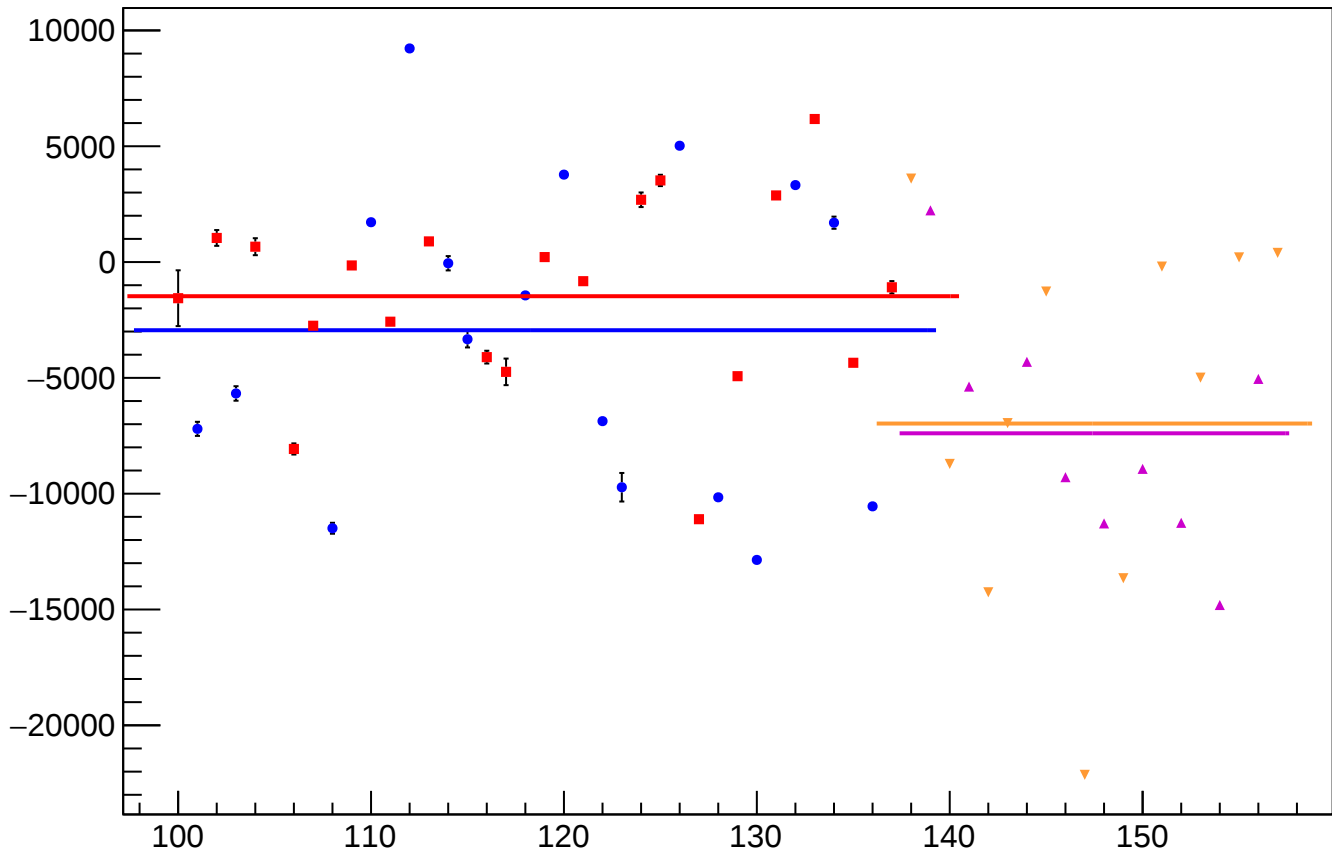
Left In: 203.687 +/- 0.056 χ^2/NDF : 788307.6/8

227.312 +/- 0.044 χ^2/NDF : 1423621.2/27

212.290 +/- 0.029 χ^2/NDF : 3631967.8/56

199.938 +/- 0.040 χ^2/NDF : 1991756.5/28

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2943.123+/-48.612 χ^2/NDF : 20909.8/16

Left Out: -6971.853+/-44.129 χ^2/NDF : 31482.1/10

Right Out: -1474.497+/-46.252 χ^2/NDF : 8028.6/19

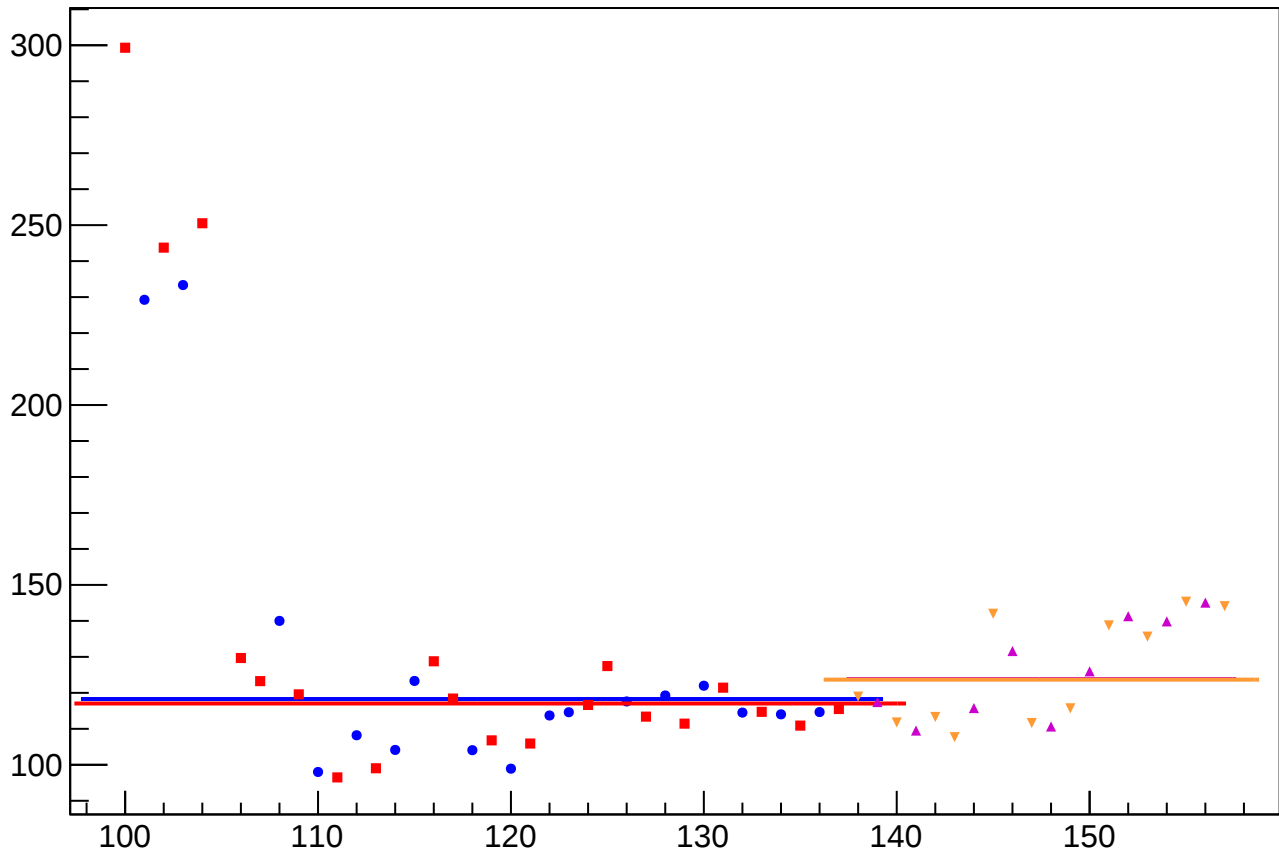
Left In: -7393.377+/-46.388 χ^2/NDF : 9876.5/8

-5151.785+/-32.674 χ^2/NDF : 56157.3/27

-4789.411+/-23.132 χ^2/NDF : 82473.1/56

-4425.284+/-32.753 χ^2/NDF : 26069.3/28

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.286 $\pm$ 0.034 χ^2/NDF : 636918.0/16

Left Out: 123.672 $\pm$ 0.031 χ^2/NDF : 201558.8/10

Right Out: 117.040 $\pm$ 0.033 χ^2/NDF : 690873.1/19

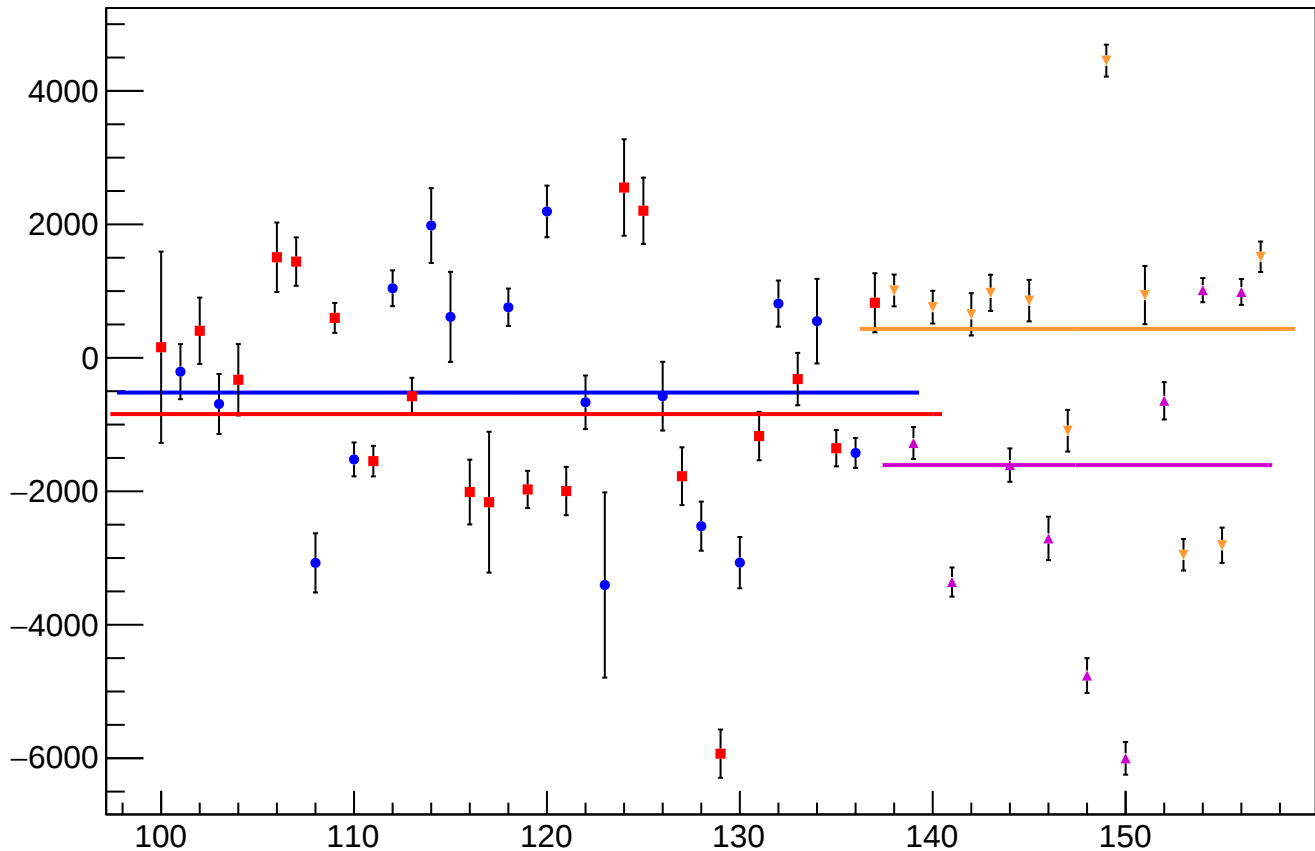
Left In: 123.840 $\pm$ 0.033 χ^2/NDF : 148855.9/8

121.239 $\pm$ 0.023 χ^2/NDF : 851940.2/27

120.836 $\pm$ 0.016 χ^2/NDF : 1713830.6/56

120.430 $\pm$ 0.023 χ^2/NDF : 861280.0/28

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -520.267 ± 89.241 χ^2/NDF : 288.1/16

Left Out: 434.203 ± 80.952 χ^2/NDF : 700.4/10

Right Out: -842.858 ± 82.024 χ^2/NDF : 436.3/19

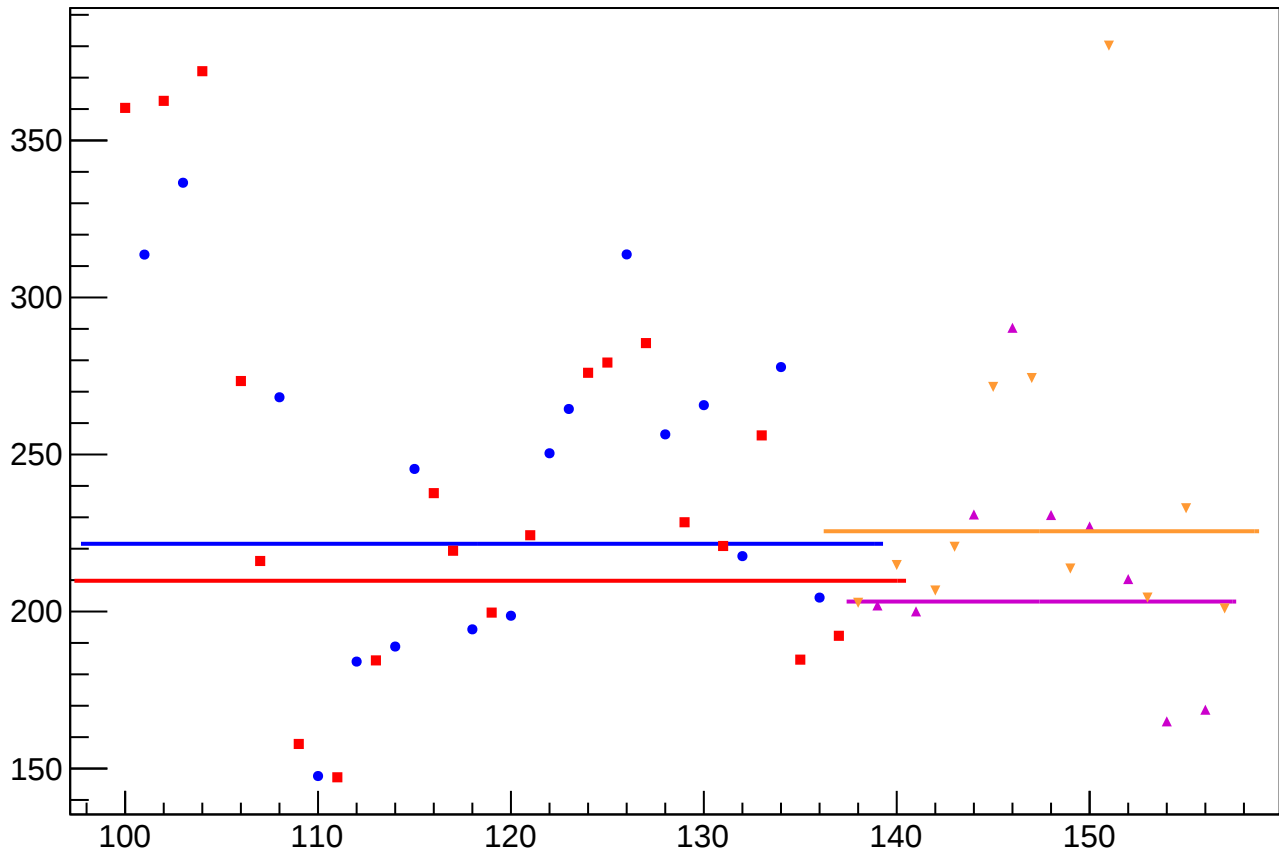
Left In: -1607.356 ± 77.869 χ^2/NDF : 945.8/8

3.346 ± 59.958 χ^2/NDF : 1051.3/27

-658.138 ± 41.110 χ^2/NDF : 2708.7/56

-1244.964 ± 56.473 χ^2/NDF : 1427.7/28

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.570 $\pm$ 0.063 χ^2 /NDF: 644941.4/16

Left Out: 225.564 $\pm$ 0.057 χ^2 /NDF: 419352.1/10

Right Out: 209.794 $\pm$ 0.058 χ^2 /NDF: 884087.4/19

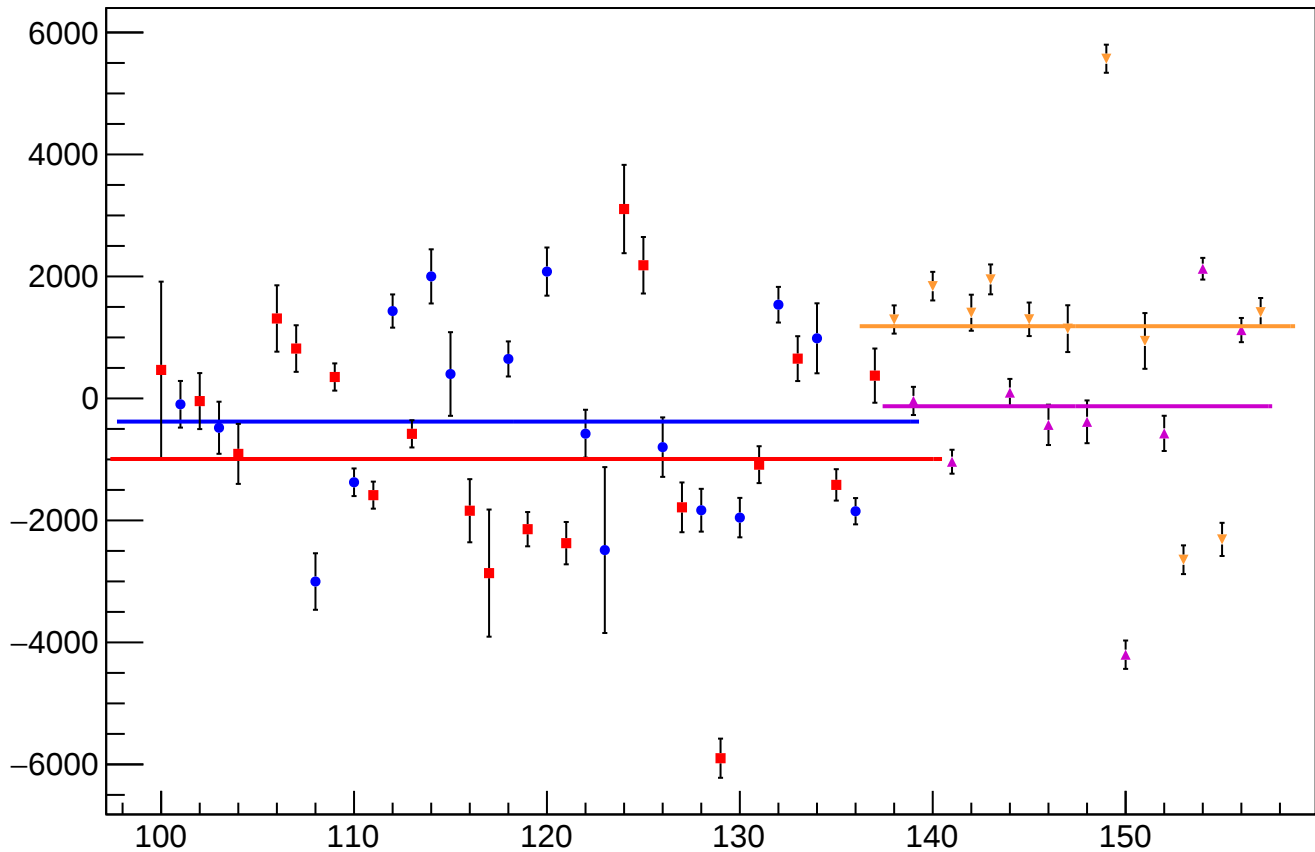
Left In: 203.175 $\pm$ 0.055 χ^2 /NDF: 362772.2/8

223.761 $\pm$ 0.042 χ^2 /NDF: 1066491.3/27

214.515 $\pm$ 0.029 χ^2 /NDF: 2409954.5/56

206.312 $\pm$ 0.040 χ^2 /NDF: 1253710.8/28

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -379.647 ± 84.260 χ^2/NDF : 317.2/16

Left Out: 1184.176 ± 79.391 χ^2/NDF : 811.8/10

Right Out: -992.944 ± 77.509 χ^2/NDF : 479.5/19

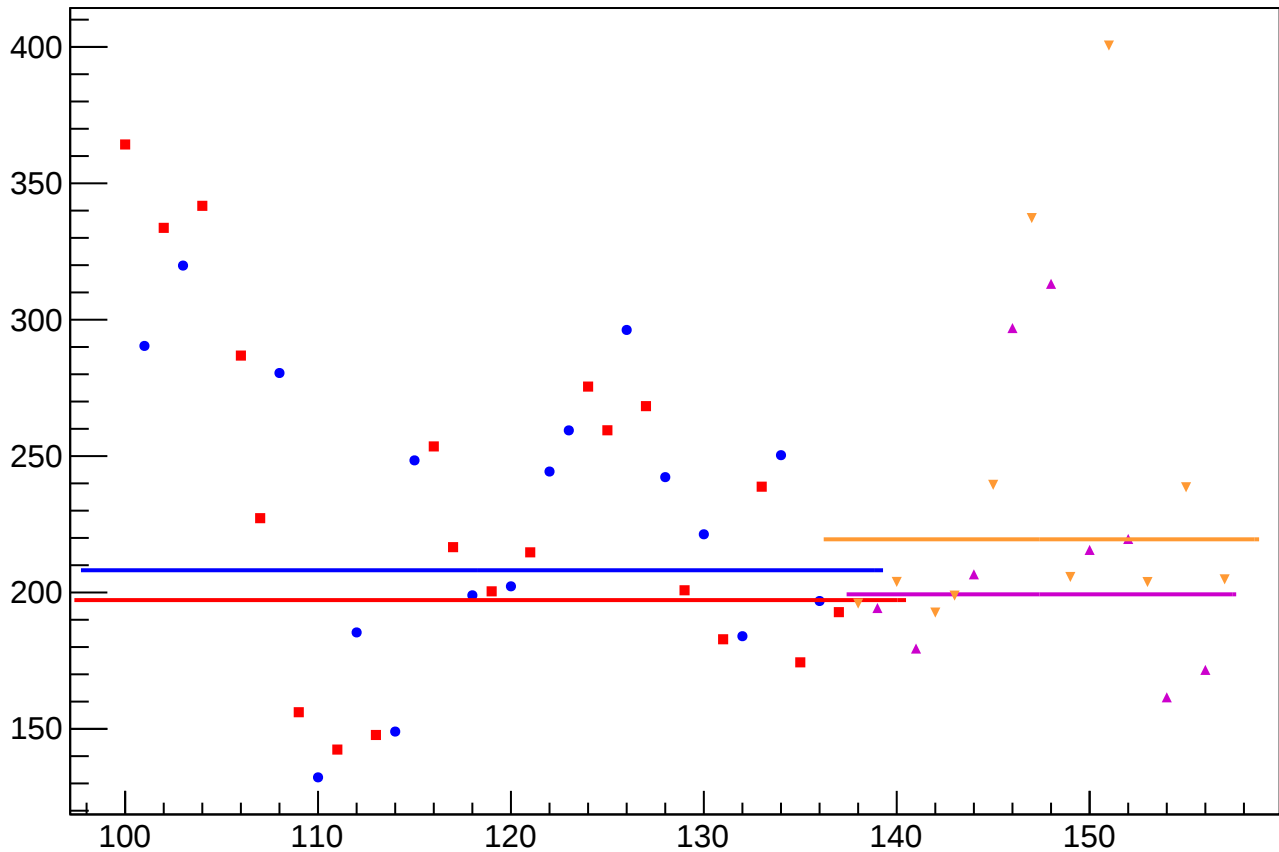
Left In: -128.009 ± 76.846 χ^2/NDF : 533.4/8

448.747 ± 57.782 χ^2/NDF : 1311.4/27

-82.721 ± 39.674 χ^2/NDF : 2547.1/56

-556.758 ± 54.571 χ^2/NDF : 1075.7/28

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.151 $\pm$ 0.060 χ^2/NDF : 699084.2/16

Left Out: 219.492 $\pm$ 0.056 χ^2/NDF : 606845.5/10

Right Out: 197.210 $\pm$ 0.055 χ^2/NDF : 927165.0/19

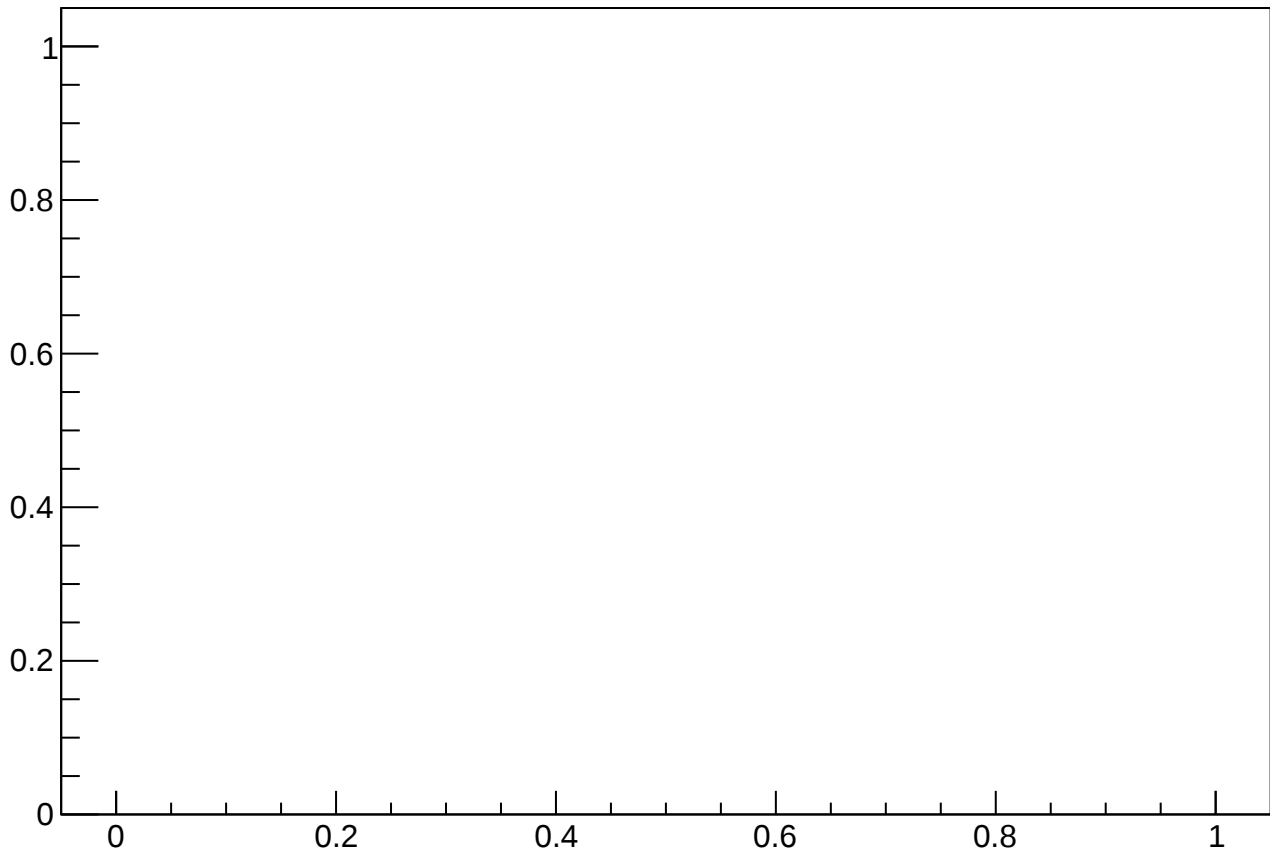
Left In: 199.326 $\pm$ 0.054 χ^2/NDF : 557332.5/8

214.159 $\pm$ 0.041 χ^2/NDF : 1325124.9/27

205.764 $\pm$ 0.028 χ^2/NDF : 2890231.4/56

198.277 $\pm$ 0.039 χ^2/NDF : 1485248.7/28

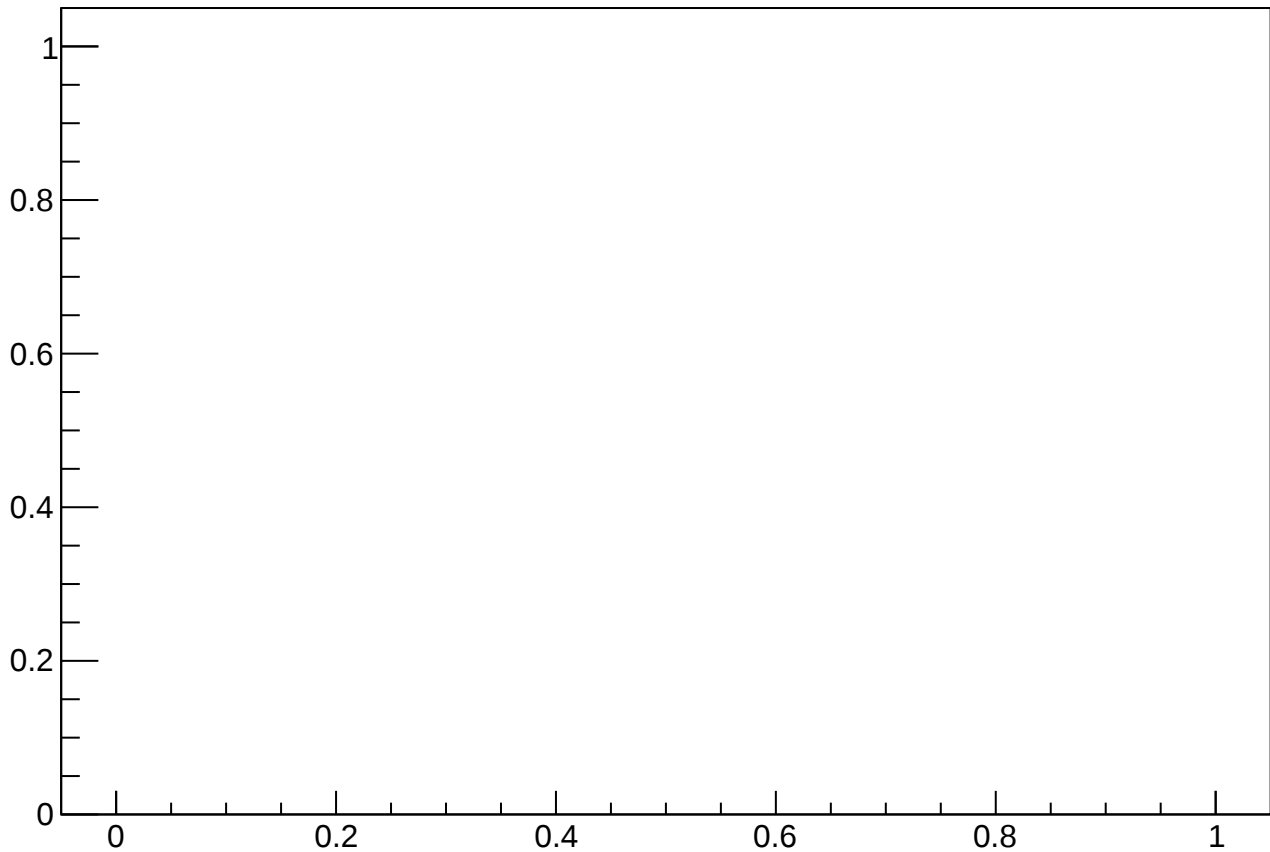
bcm_an_us_ds_dd_mean vs Slug, Sign Corrected



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

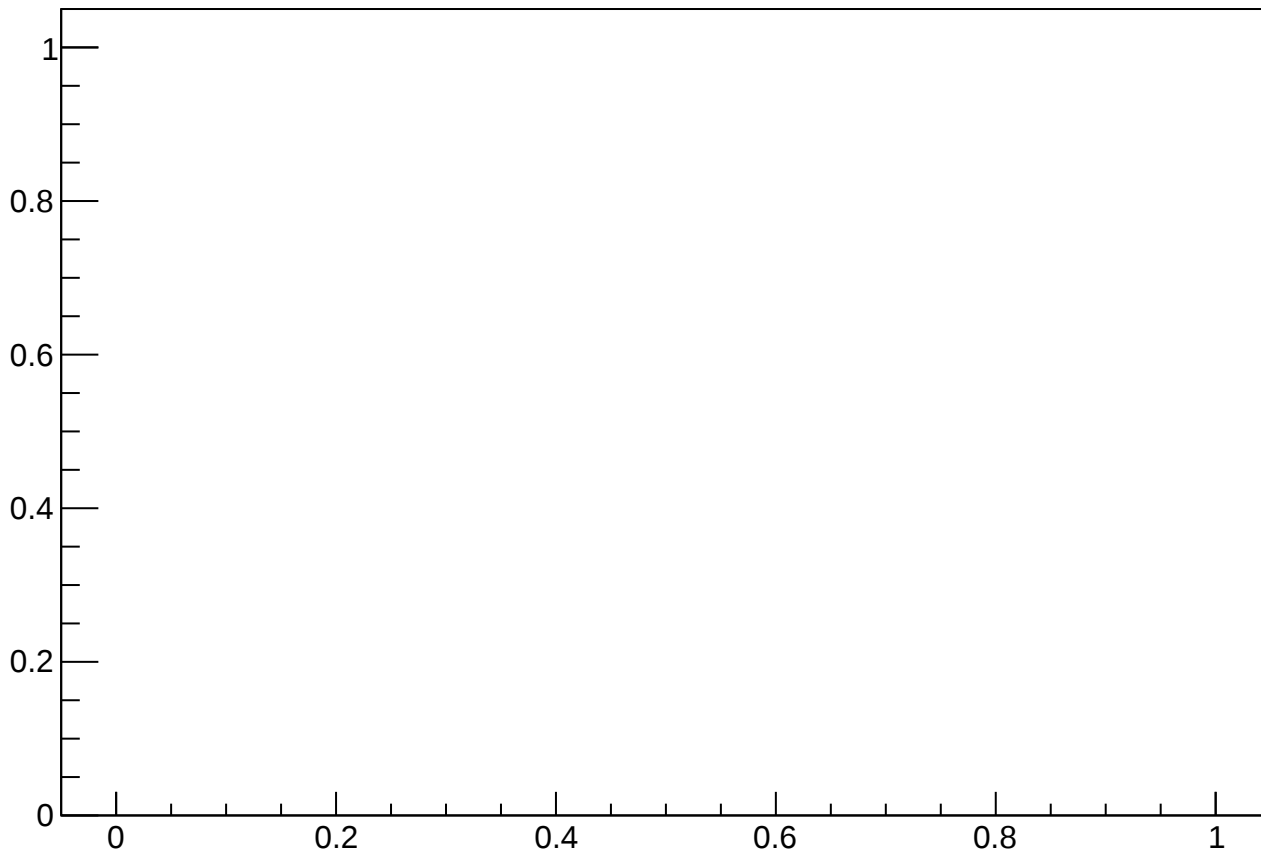
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

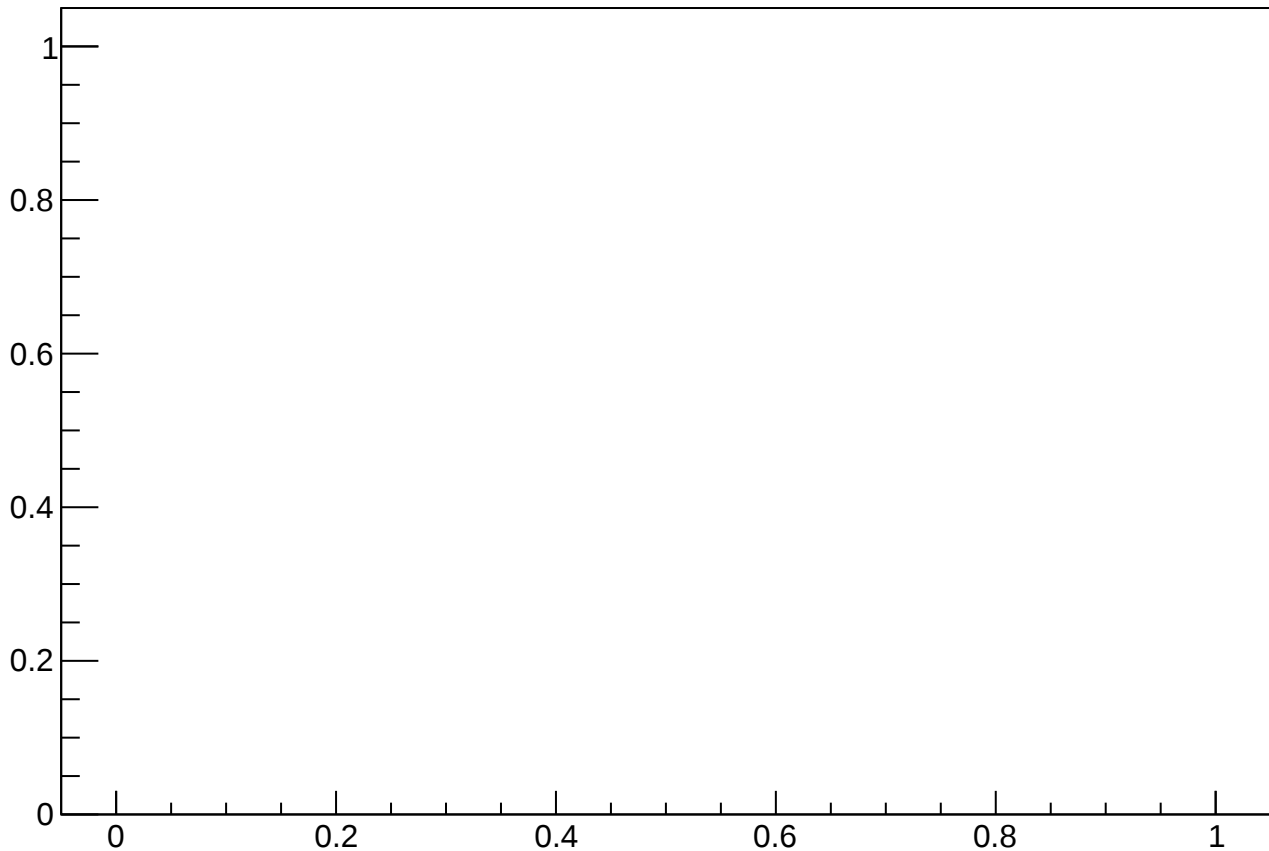
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

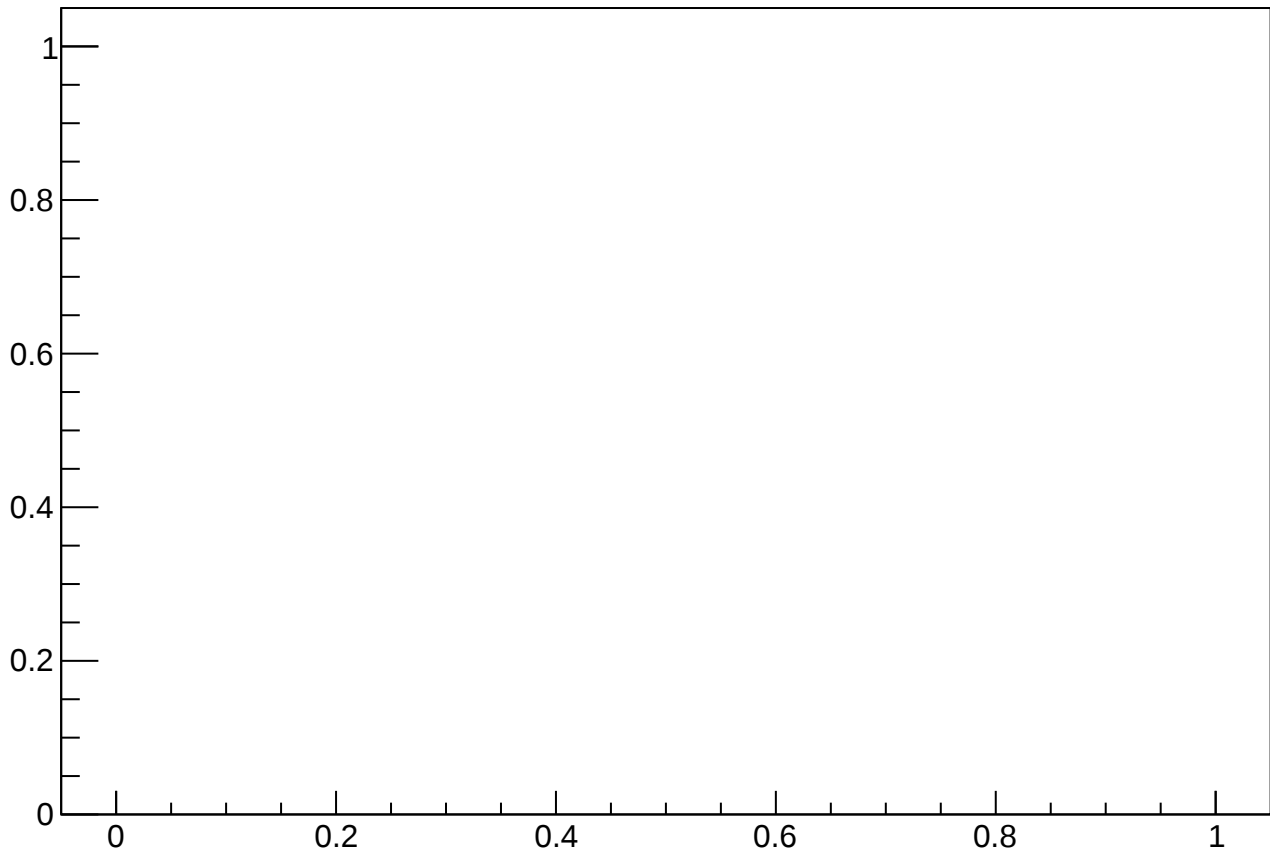
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

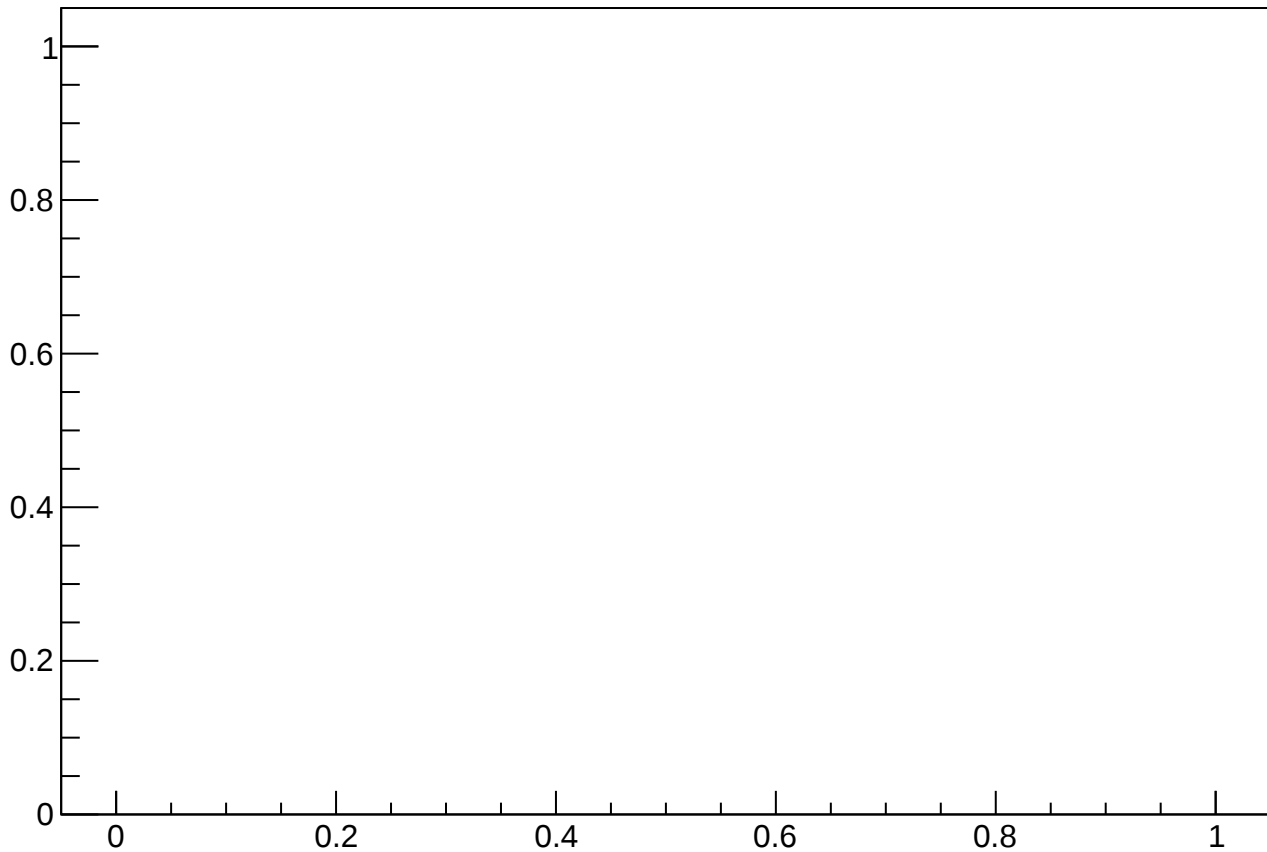
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

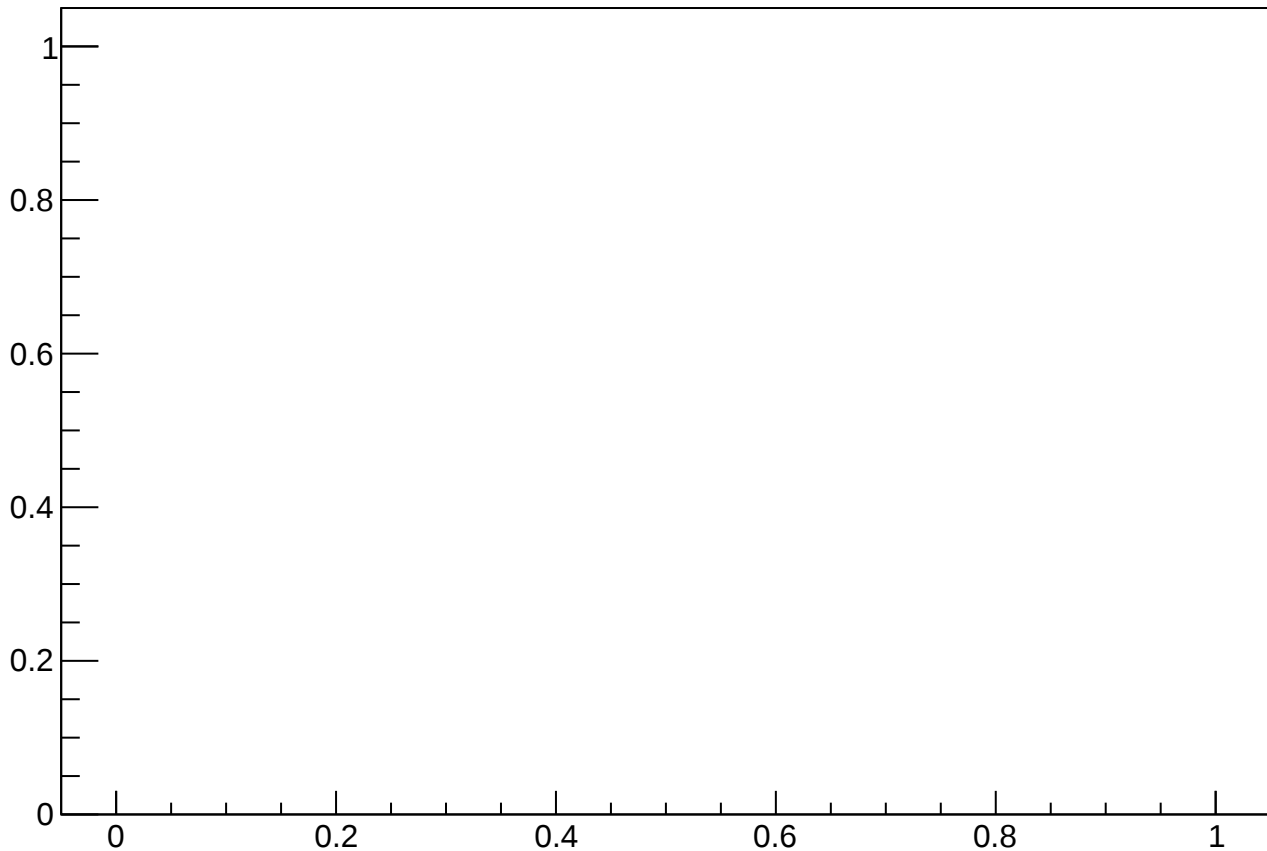
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

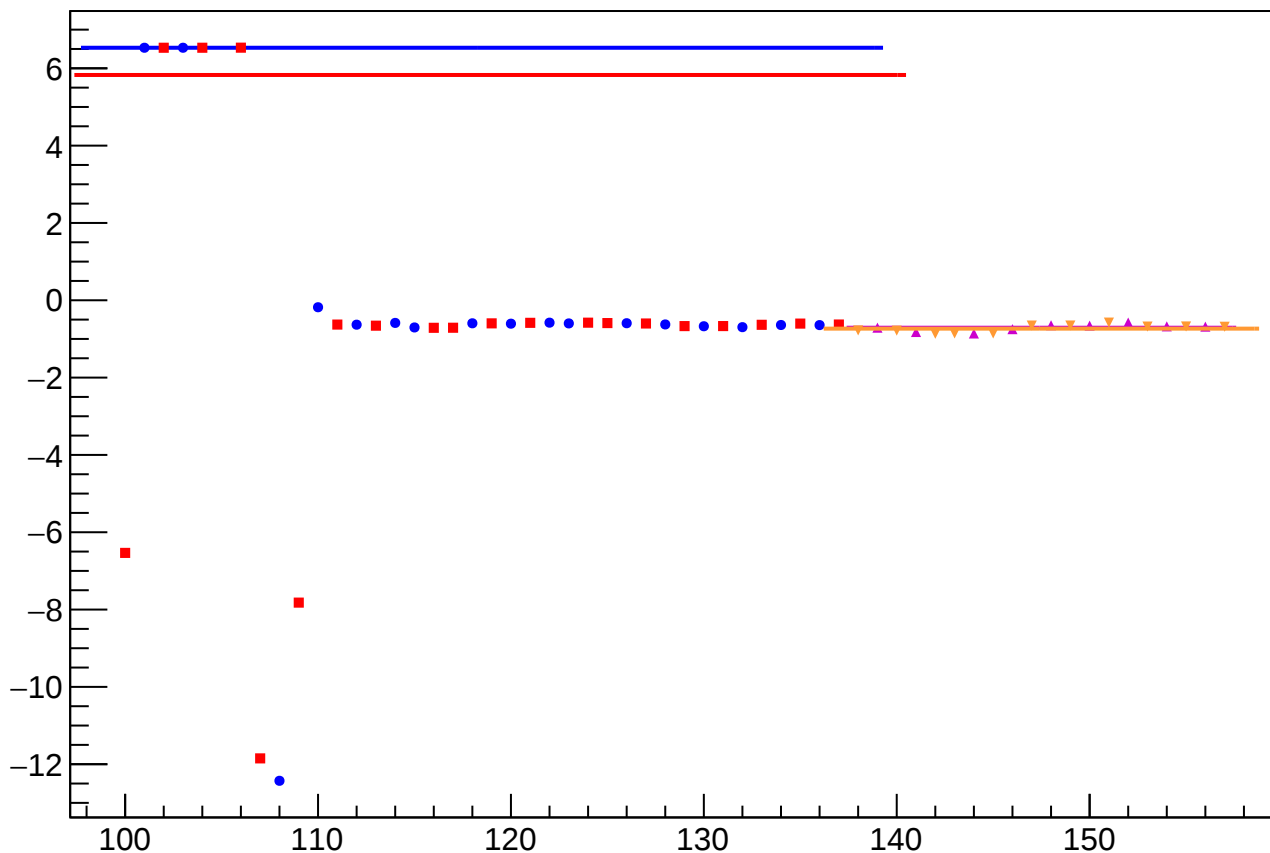
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: -0.734+/-0.000 χ^2/NDF : 70509351.5/10

Right Out: 5.827+/-0.000 χ^2/NDF : 755964092355063.0/19

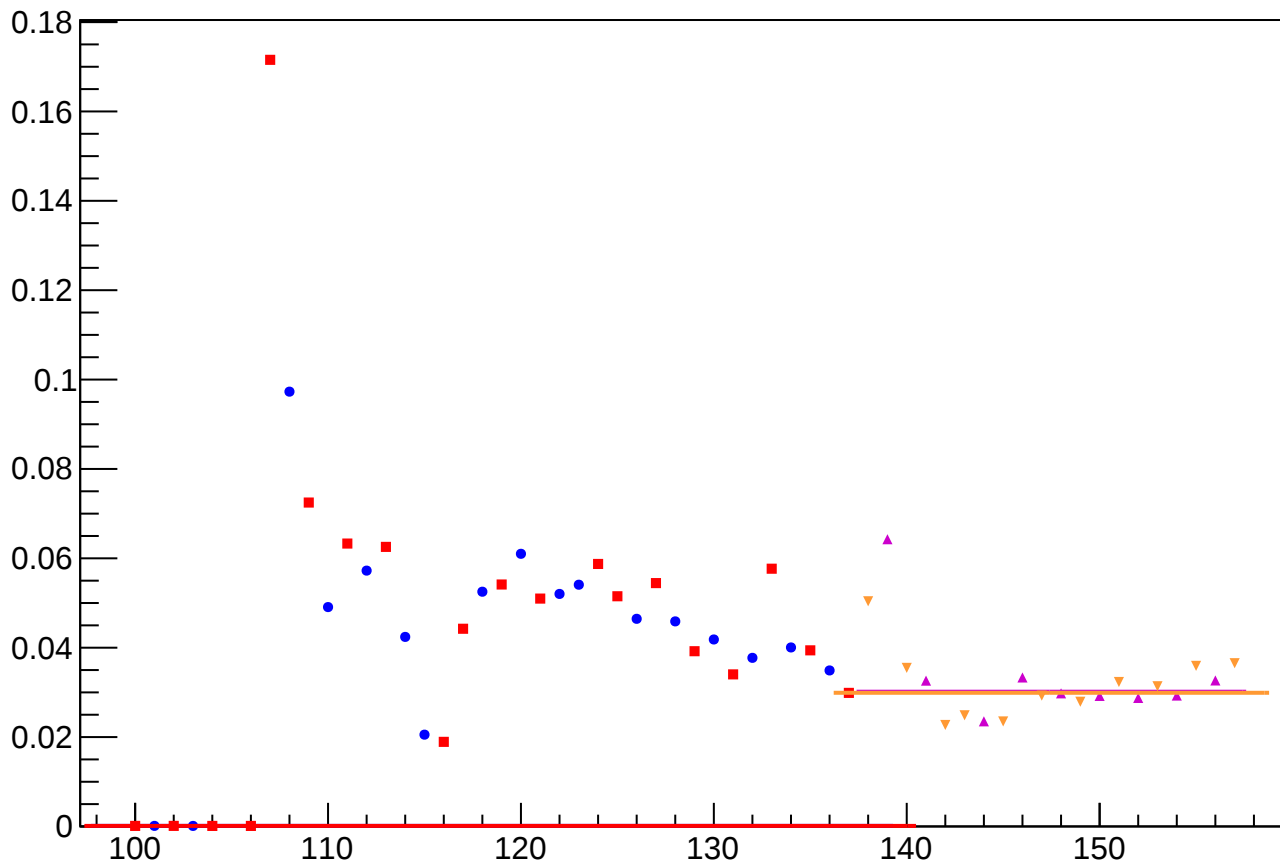
Left In: -0.710+/-0.000 χ^2/NDF : 54068764.2/8

6.531+/-0.000 χ^2/NDF : 497239757728.0/27

6.154+/-0.000 χ^2/NDF : 77672446084922

5.827+/-0.000 χ^2/NDF : 756232799922646.8/28

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.030+/-0.000 χ^2/NDF : 506710.2/10

Right Out: 0.000+/-0.000 χ^2/NDF : 9429256.2/19

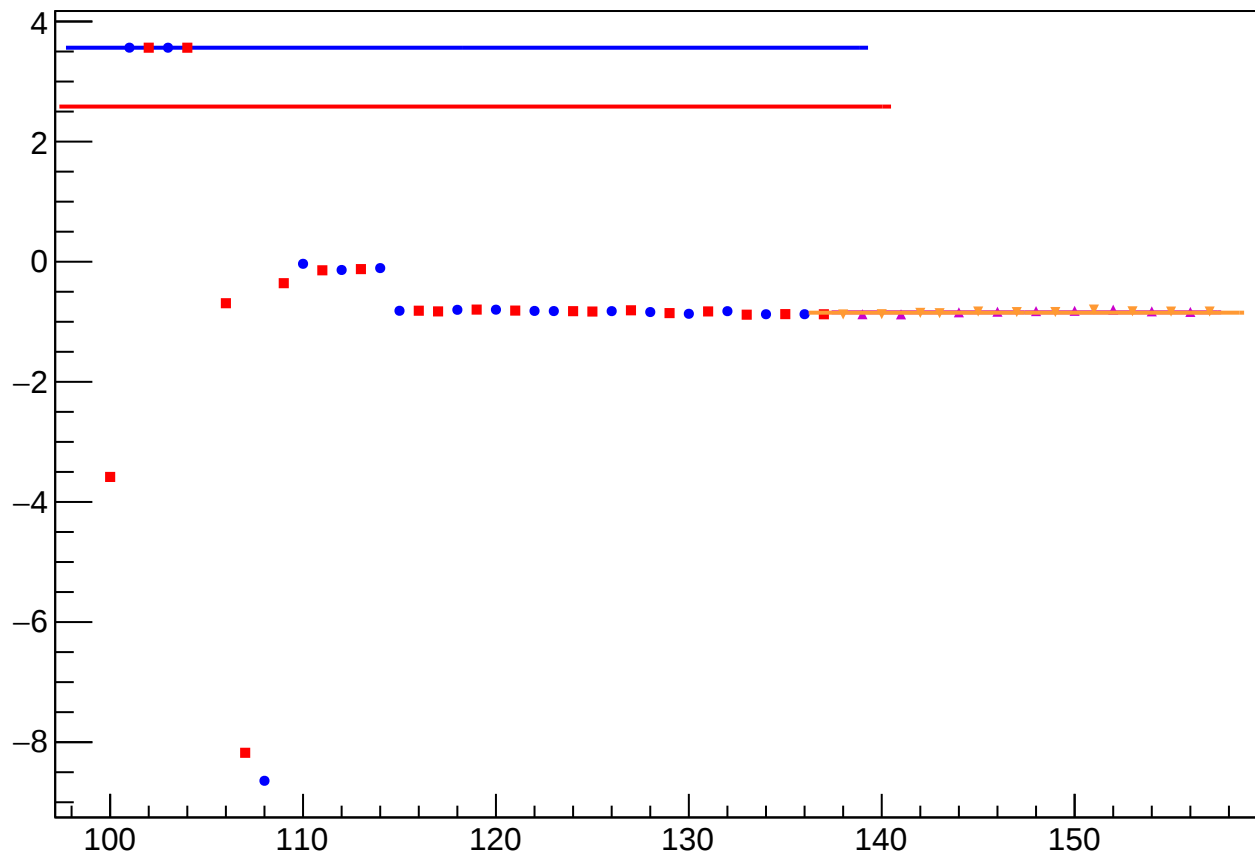
Left In: 0.030+/-0.000 χ^2/NDF : 526095.4/8

0.000+/-0.000 χ^2/NDF : 21832276.2/27

0.000+/-0.000 χ^2/NDF : 43124898.1/56

0.000+/-0.000 χ^2/NDF : 21292183.8/28

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.848+/-0.000 χ^2/NDF : 36069700.0/10

Right Out: 2.583+/-0.000 χ^2/NDF : 1253503502448656.2/19

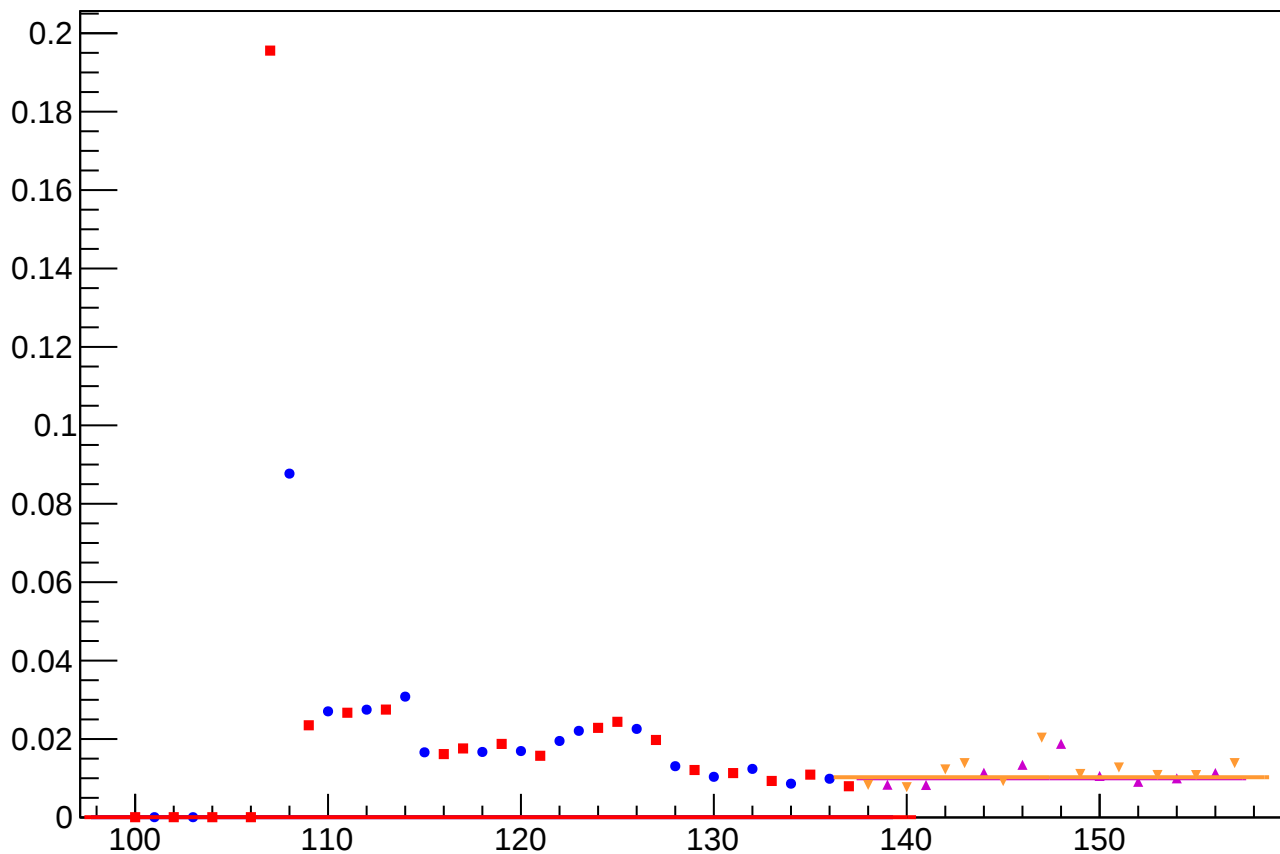
Left In: -0.842+/-0.000 χ^2/NDF : 47236418.6/8

3.562+/-0.000 χ^2/NDF : 1598859668689.2/27

3.040+/-0.000 χ^2/NDF : 13839769328178

2.583+/-0.000 χ^2/NDF : 1254167040050588.0/27

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9724059.3/16

Left Out: 0.010+/-0.000 χ^2/NDF : 803757.0/10

Right Out: 0.000+/-0.000 χ^2/NDF : 9937459.6/19

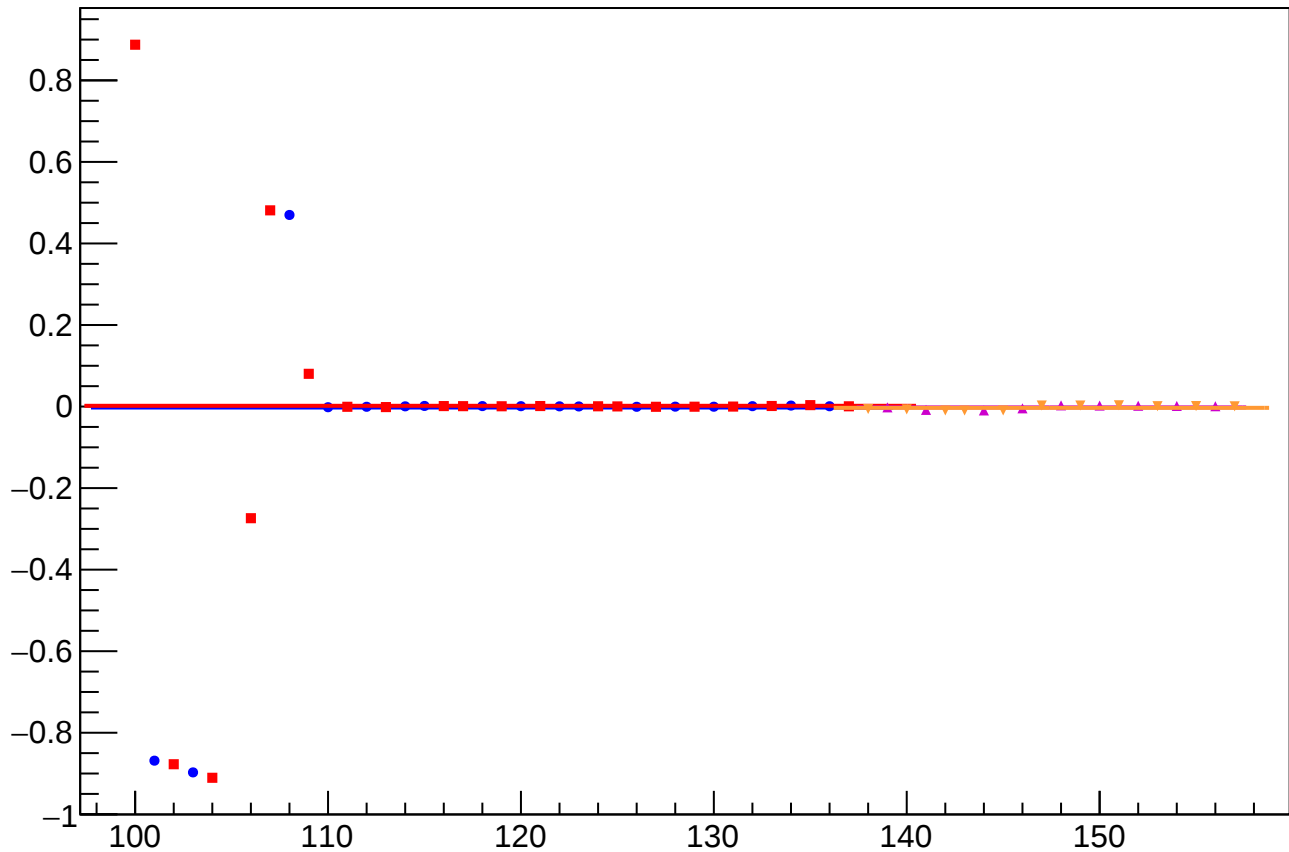
Left In: 0.010+/-0.000 χ^2/NDF : 550564.7/8

0.000+/-0.000 χ^2/NDF : 22445979.1/27

0.000+/-0.000 χ^2/NDF : 44060074.0/56

0.000+/-0.000 χ^2/NDF : 21613582.9/28

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.000 χ^2/NDF : 9794863405.3/16

Left Out: -0.003+/-0.000 χ^2/NDF : 75136845.3/10

Right Out: 0.002+/-0.000 χ^2/NDF : 3041323813.4/19

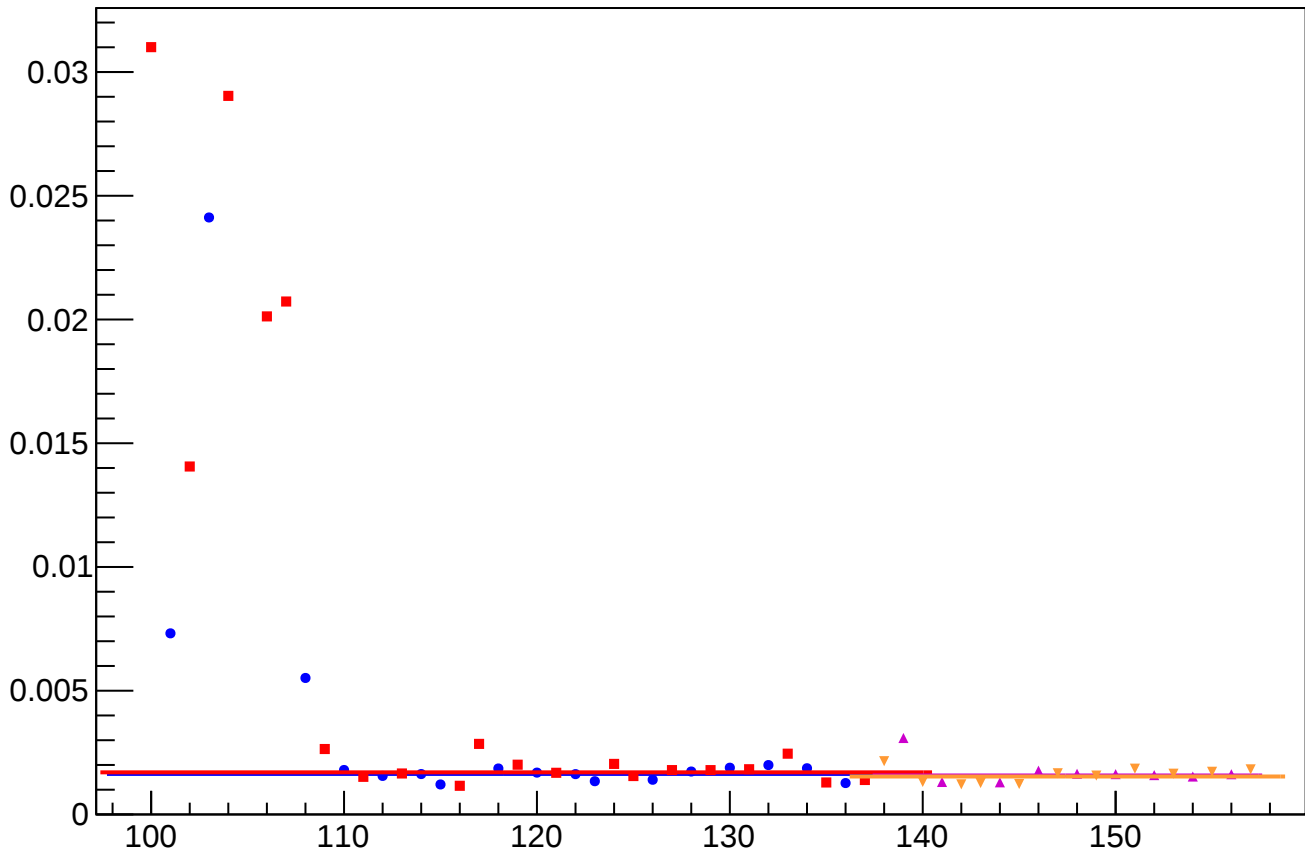
Left In: -0.002+/-0.000 χ^2/NDF : 55434451.8/8

-0.003+/-0.000 χ^2/NDF : 9870656677.2/27

-0.002+/-0.000 χ^2/NDF : 12992826533.1/5

-0.000+/-0.000 χ^2/NDF : 3110839460.8/28

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 1916349.1/16

Left Out: 0.002+/-0.000 χ^2/NDF : 376180.2/10

Right Out: 0.002+/-0.000 χ^2/NDF : 3037006.7/19

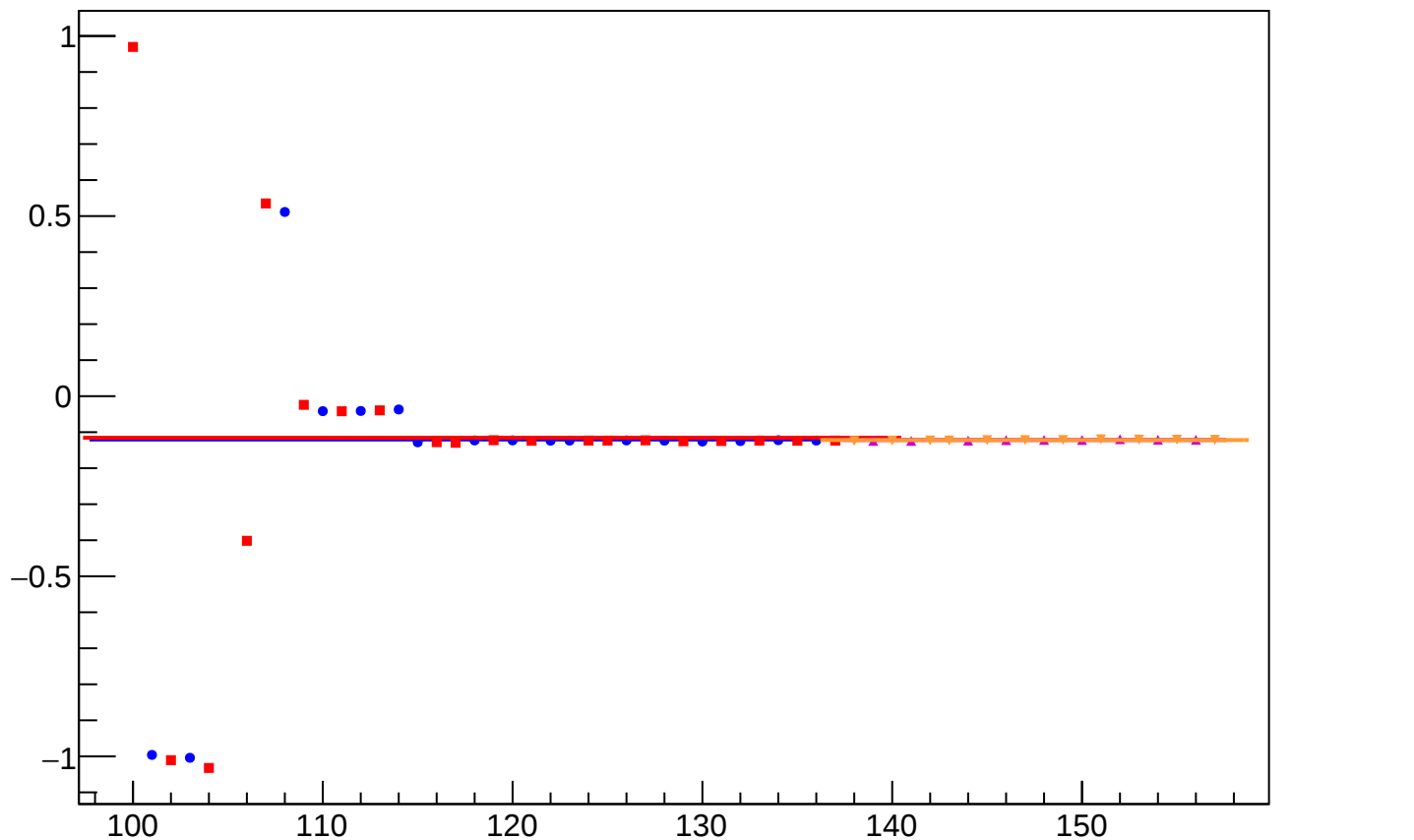
Left In: 0.002+/-0.000 χ^2/NDF : 470587.7/8

0.002+/-0.000 χ^2/NDF : 2314728.9/27

0.002+/-0.000 χ^2/NDF : 5862879.7/56

0.002+/-0.000 χ^2/NDF : 3537256.3/28

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.120+/-0.000 χ^2/NDF : 3932144335.2/16

Left Out: -0.122+/-0.000 χ^2/NDF : 9629461.4/10

Right Out: -0.115+/-0.000 χ^2/NDF : 2458475073.1/19

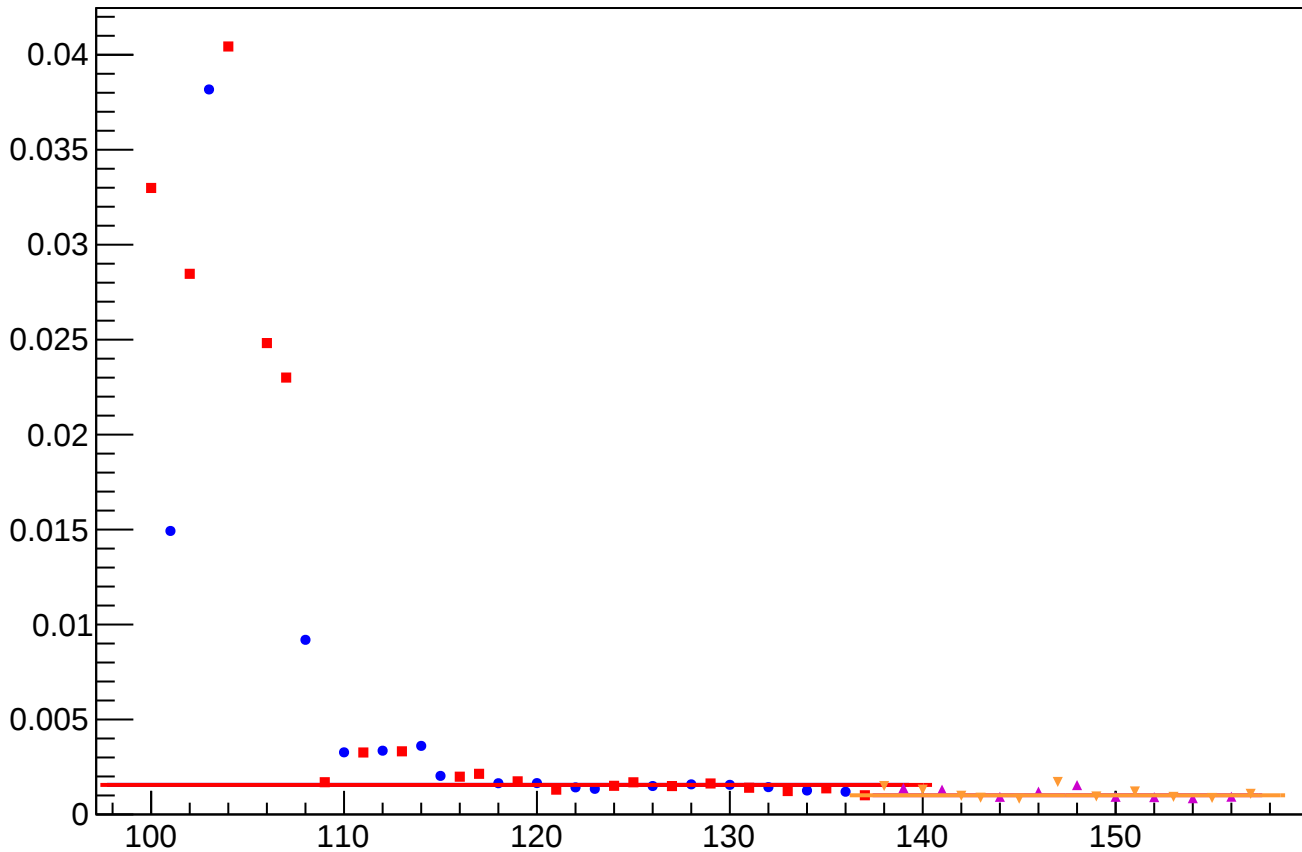
Left In: -0.122+/-0.000 χ^2/NDF : 12852970.2/8

-0.122+/-0.000 χ^2/NDF : 3945205958.2/27

-0.121+/-0.000 χ^2/NDF : 6479100227.0/50

-0.120+/-0.000 χ^2/NDF : 2526412138.7/28

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 2901093.3/16

Left Out: 0.001+/-0.000 χ^2/NDF : 662520.4/10

Right Out: 0.002+/-0.000 χ^2/NDF : 3545212.9/19

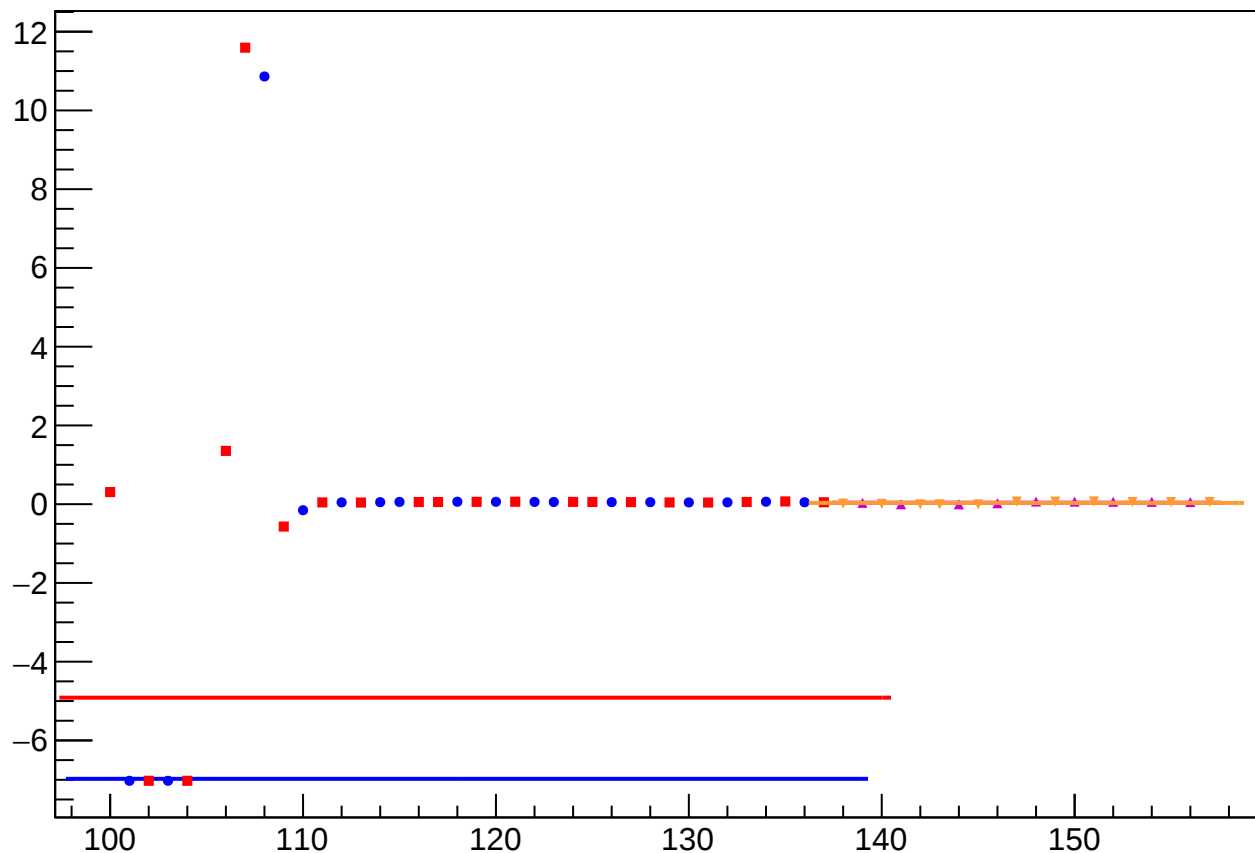
Left In: 0.001+/-0.000 χ^2/NDF : 498750.4/8

0.001+/-0.000 χ^2/NDF : 4458052.8/27

0.001+/-0.000 χ^2/NDF : 9362402.7/56

0.001+/-0.000 χ^2/NDF : 4902575.3/28

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975+/-0.000 χ^2/NDF : 8749579700722.8/16

Left Out: 0.032+/-0.000 χ^2/NDF : 74584545.0/10

Right Out: -4.914+/-0.000 χ^2/NDF : 365362121338855.3/19

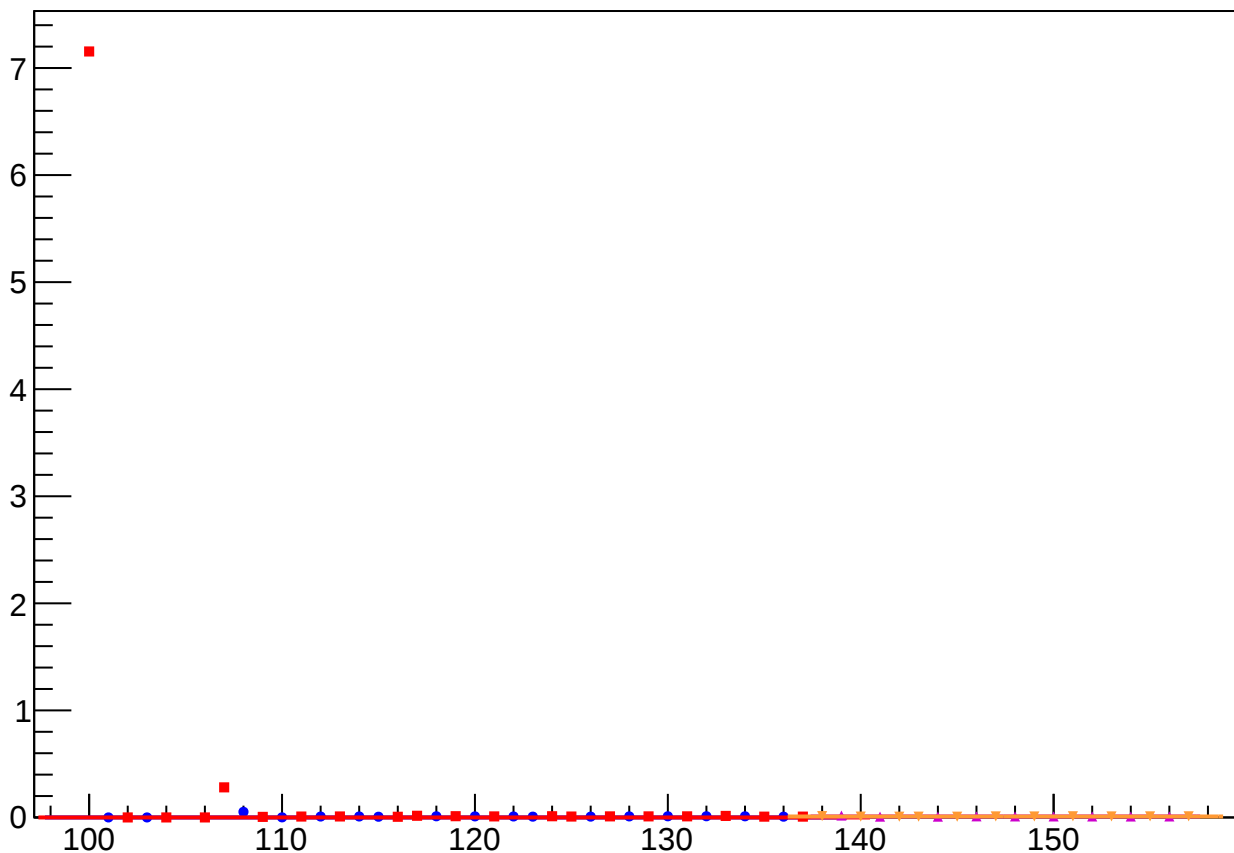
Left In: 0.038+/-0.000 χ^2/NDF : 59585165.5/8

-6.954+/-0.000 χ^2/NDF : 12493228396944.5/27

-5.884+/-0.000 χ^2/NDF : 43537107754385

-4.902+/-0.000 χ^2/NDF : 367013540469166.9/2

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 8242728.7/16

Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 374947.8/10

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 8854773.0/19

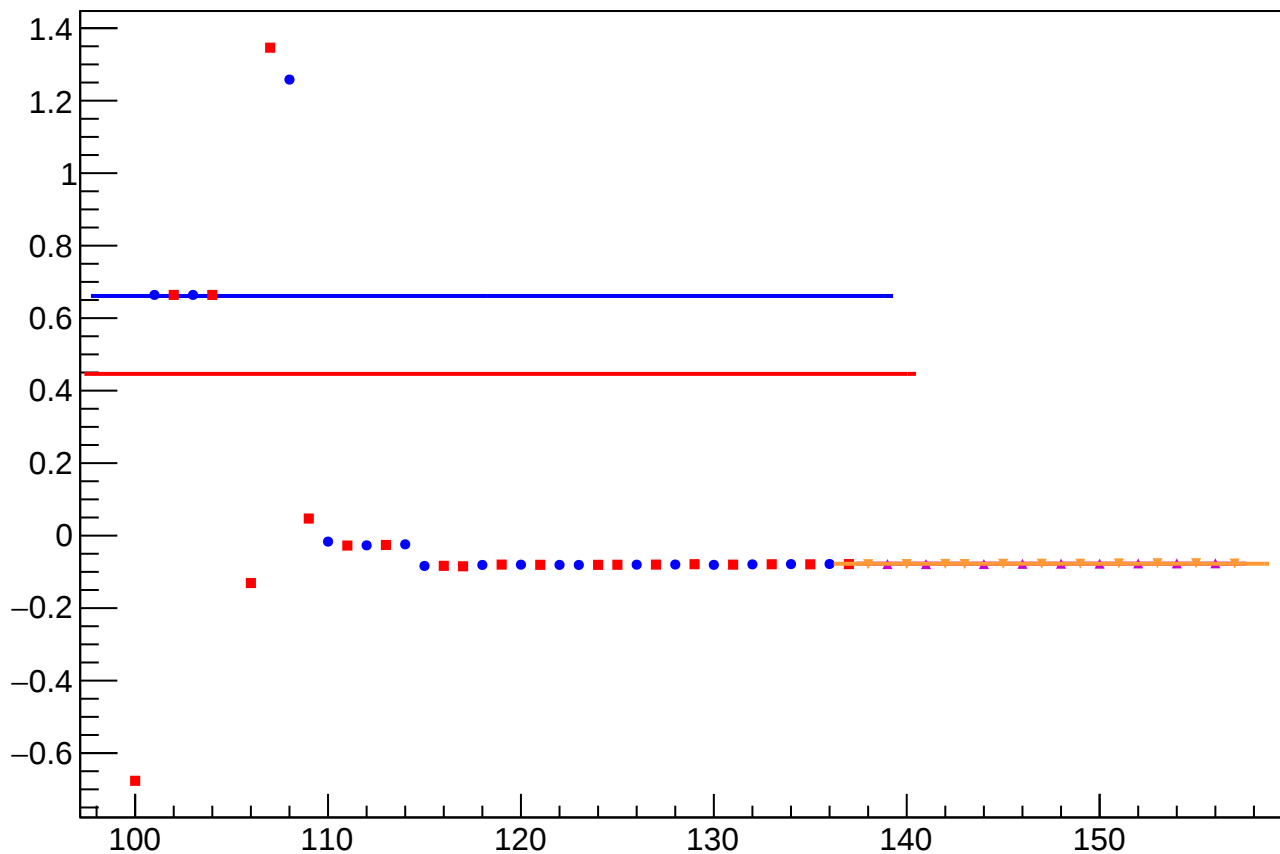
Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 470316.2/8

0.000 $\pm$ 0.000 χ^2/NDF : 20568733.2/27

0.000 $\pm$ 0.000 χ^2/NDF : 40893044.0/56

0.000 $\pm$ 0.000 χ^2/NDF : 20322689.3/28

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 : 19007144.8/10

Right Out: 0.446+/-0.000 χ^2/NDF : 405423069582977.9/19

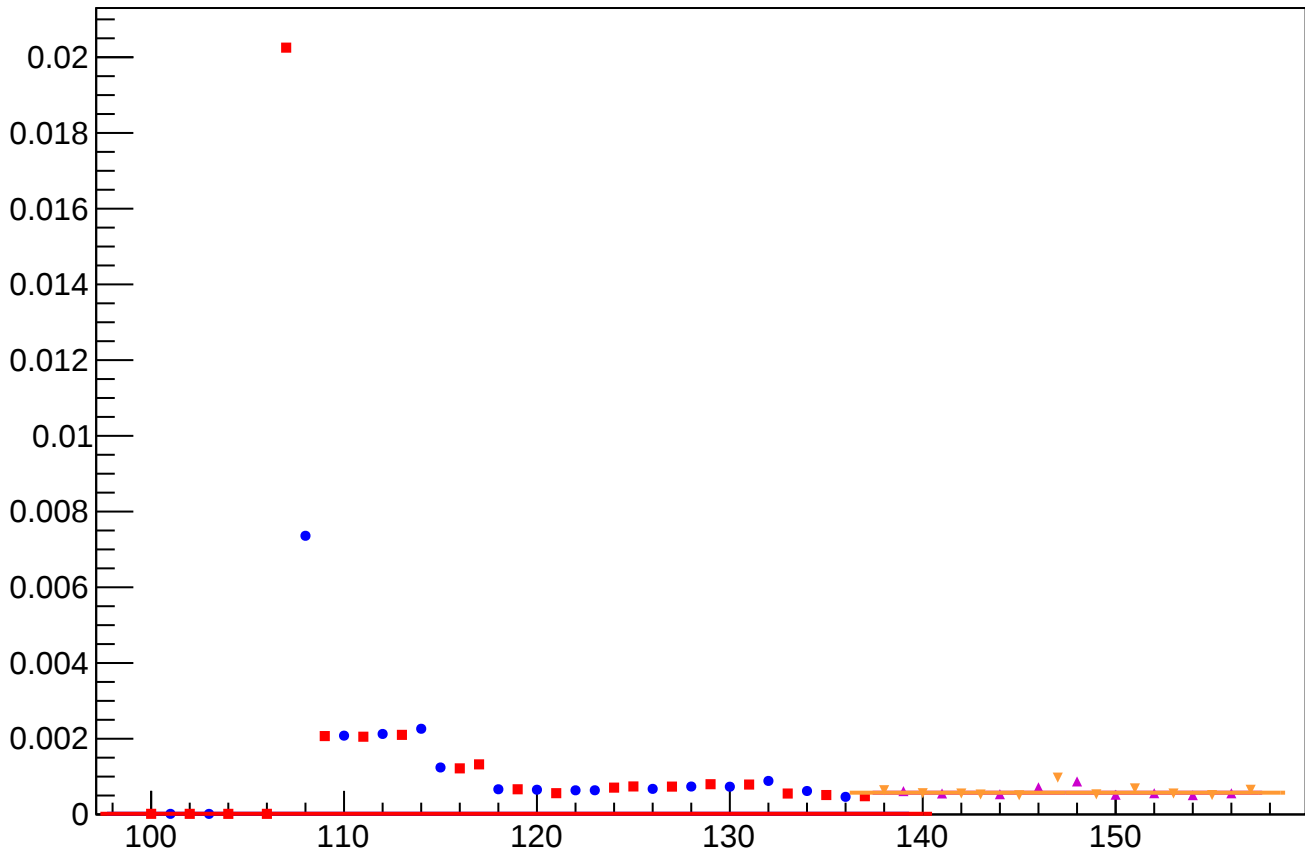
Left In: -0.077+/-0.000 χ^2/NDF : 14851429.4/8

0.655+/-0.000 χ^2/NDF : 17967924593918.1/27

0.544+/-0.000 χ^2/NDF : 49108485794316

0.442+/-0.000 χ^2/NDF : 411184341881769.6/28

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9874012.7/16

Left Out: 0.001+/-0.000 χ^2/NDF : 400543.5/10

Right Out: 0.000+/-0.000 χ^2/NDF : 9555089.8/19

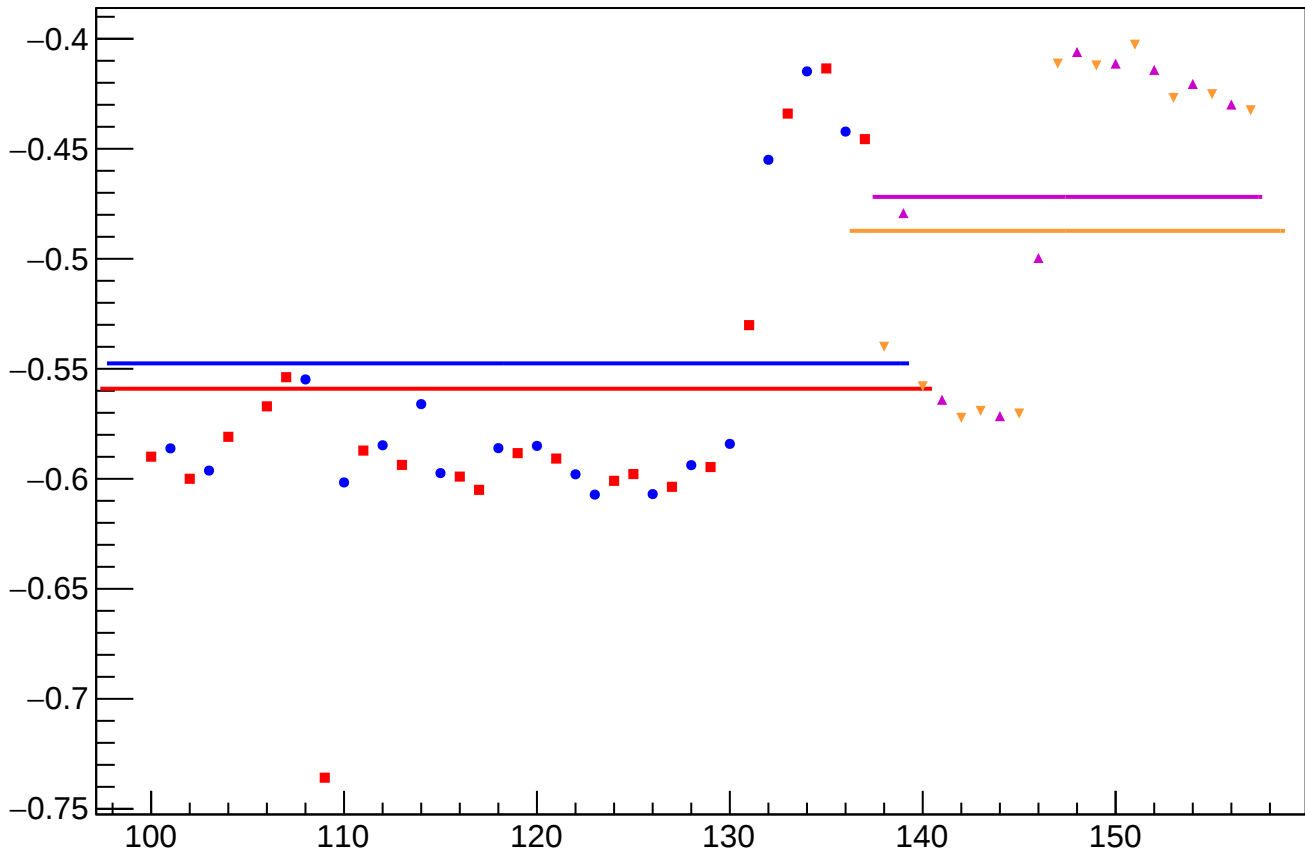
Left In: 0.001+/-0.000 χ^2/NDF : 301521.0/8

0.000+/-0.000 χ^2/NDF : 24316694.5/27

0.000+/-0.000 χ^2/NDF : 47123453.1/56

0.000+/-0.000 χ^2/NDF : 22805027.0/28

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.548+/-0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.487+/-0.000 χ^2/NDF : 84229461.1/10

Right Out: -0.559+/-0.000 χ^2/NDF : 65389755.0/19

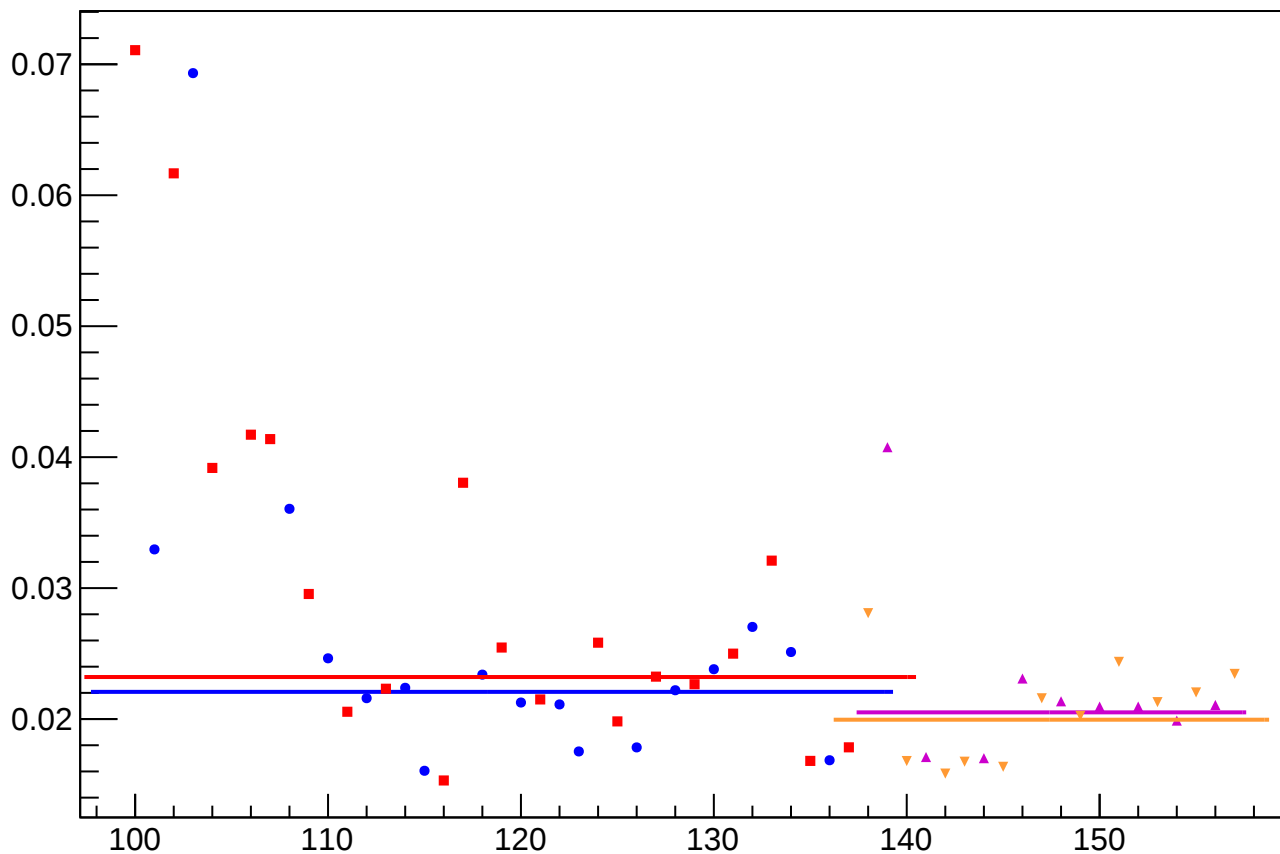
Left In: -0.472+/-0.000 χ^2/NDF : 63669089.2/8

-0.511+/-0.000 χ^2/NDF : 155357687.7/27

-0.510+/-0.000 χ^2/NDF : 328155743.7/56

-0.509+/-0.000 χ^2/NDF : 172712868.1/28

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022 $\pm$ 0.000 χ^2/NDF : 954779.5/16

Left Out: 0.020 $\pm$ 0.000 χ^2/NDF : 359397.9/10

Right Out: 0.023 $\pm$ 0.000 χ^2/NDF : 1169013.8/19

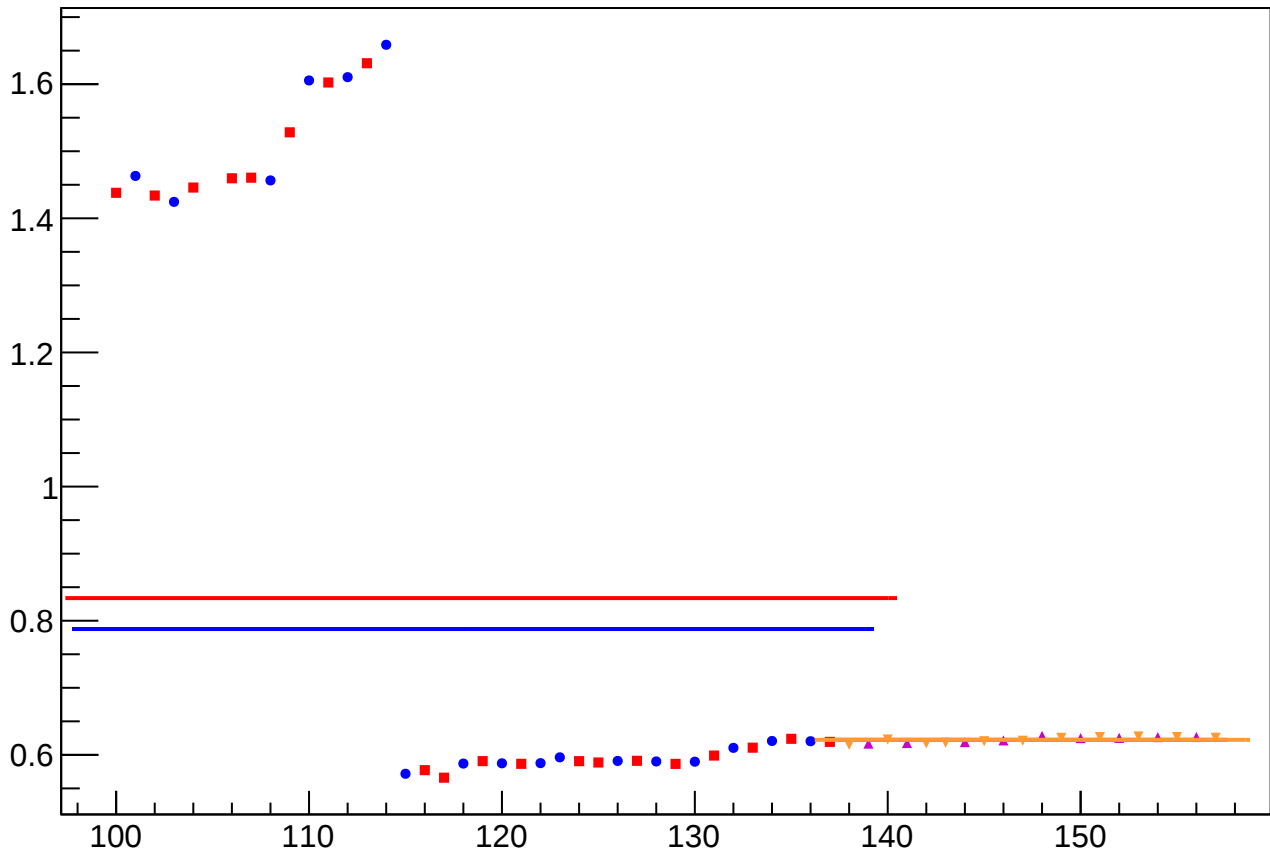
Left In: 0.021 $\pm$ 0.000 χ^2/NDF : 476384.5/8

0.021 $\pm$ 0.000 χ^2/NDF : 1370457.9/27

0.021 $\pm$ 0.000 χ^2/NDF : 3117448.9/56

0.022 $\pm$ 0.000 χ^2/NDF : 1729023.0/28

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.788+/-0.000 χ^2/NDF : 3581400502.4/16

Left Out: 0.622+/-0.000 χ^2/NDF : 813433.3/10

Right Out: 0.834+/-0.000 χ^2/NDF : 4155673215.9/19

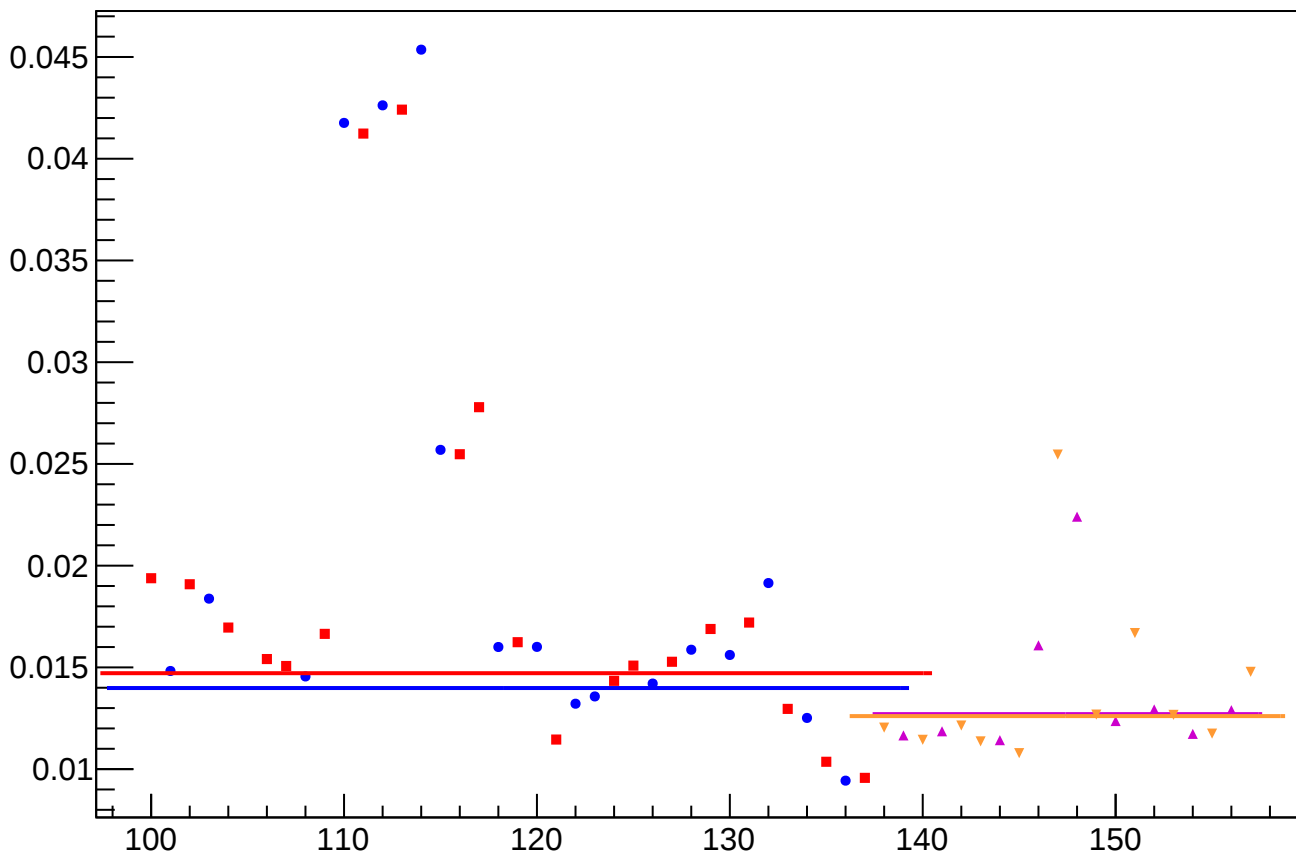
Left In: 0.622+/-0.000 χ^2/NDF : 680152.6/8

0.685+/-0.000 χ^2/NDF : 4070377607.6/27

0.695+/-0.000 χ^2/NDF : 8996778949.0/56

0.706+/-0.000 χ^2/NDF : 4910370522.0/28

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1398505.7/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:582543.4/10

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1275472.3/19

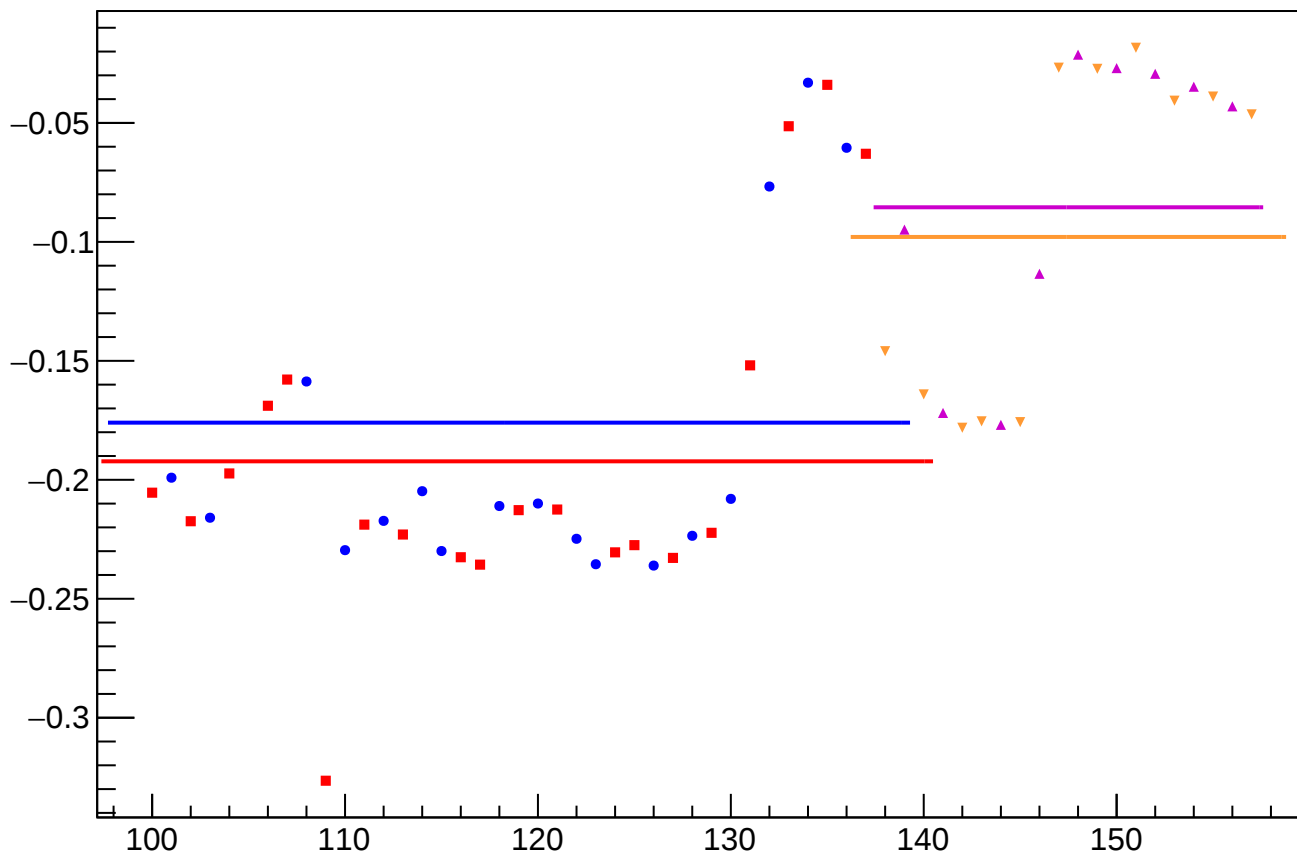
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:403320.4/8

0.013 $\pm$ 0.000 χ^2 /NDF: 2049120.5/27

0.013 $\pm$ 0.000 χ^2 /NDF: 3874625.0/56

0.013 $\pm$ 0.000 χ^2 /NDF: 1815517.8/28

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.098+/-0.000 χ^2/NDF : 81697352.0/10

Right Out: -0.192+/-0.000 χ^2/NDF : 83343025.0/19

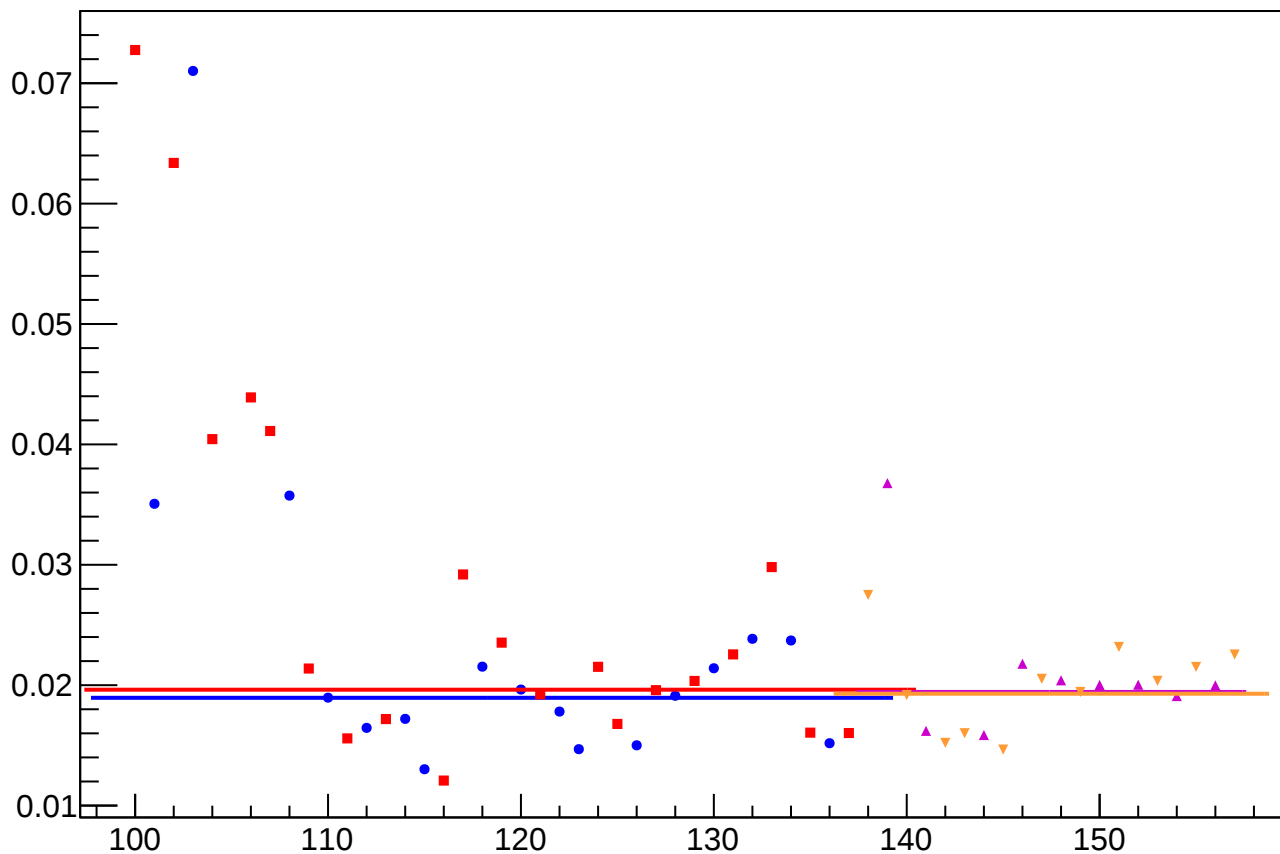
Left In: -0.085+/-0.000 χ^2/NDF : 64688231.6/8

-0.133+/-0.000 χ^2/NDF : 198095599.8/27

-0.134+/-0.000 χ^2/NDF : 428037425.2/56

-0.136+/-0.000 χ^2/NDF : 229828762.6/28

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1203275.7/16

Left Out: 0.019+/-0.000 χ^2/NDF : 387743.7/10

Right Out: 0.020+/-0.000 χ^2/NDF : 1463983.0/19

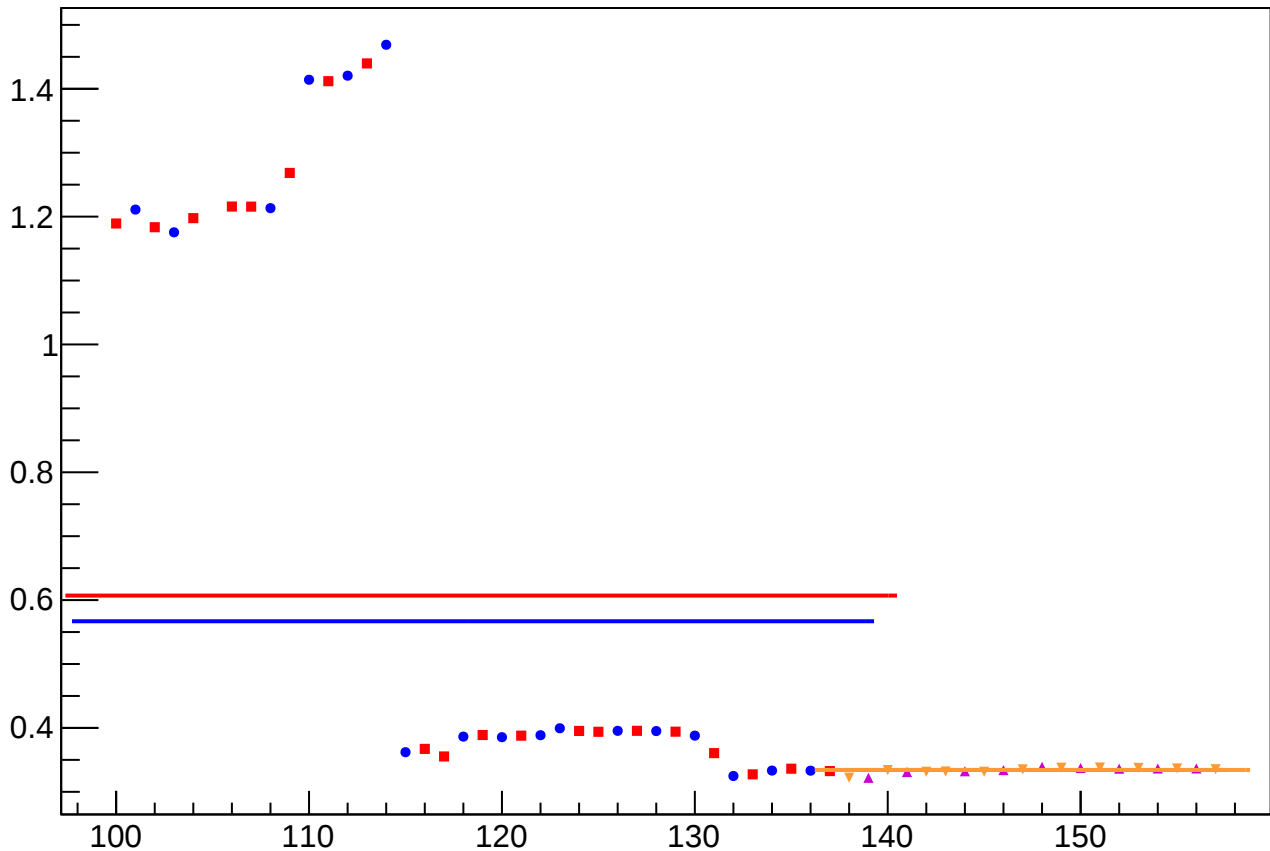
Left In: 0.019+/-0.000 χ^2/NDF : 453213.9/8

0.019+/-0.000 χ^2/NDF : 1592756.0/27

0.019+/-0.000 χ^2/NDF : 3514922.0/56

0.020+/-0.000 χ^2/NDF : 1917702.1/28

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.567 $\pm$ 0.000 χ^2/NDF : 5016913731.3/16

Left Out: 0.334 $\pm$ 0.000 χ^2/NDF : 968504.1/10

Right Out: 0.607 $\pm$ 0.000 χ^2/NDF : 5509130775.3/19

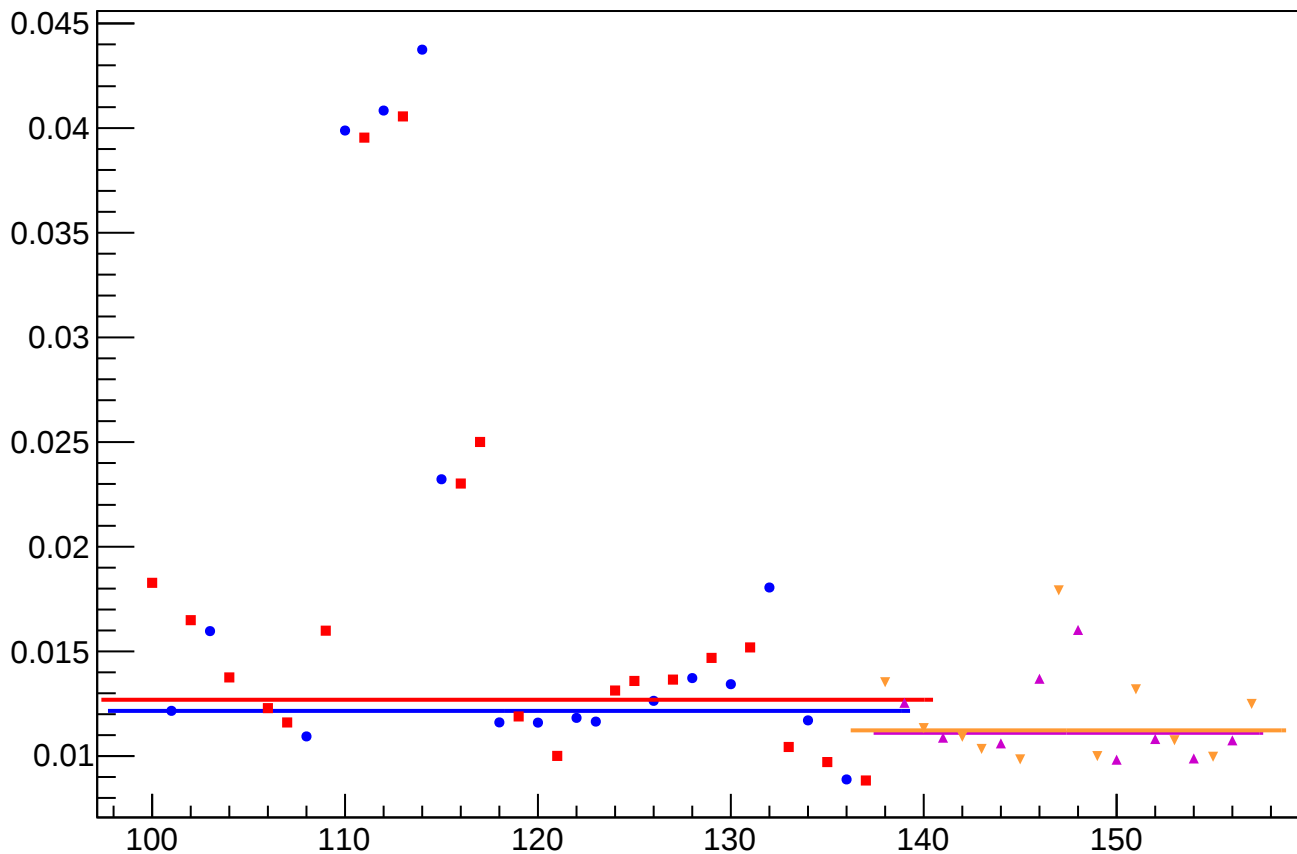
Left In: 0.334 $\pm$ 0.000 χ^2/NDF : 1037907.6/8

0.424 $\pm$ 0.000 χ^2/NDF : 6275758597.8/27

0.433 $\pm$ 0.000 χ^2/NDF : 13456890590.8/5

0.442 $\pm$ 0.000 χ^2/NDF : 7166458396.1/28

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1307948.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 387317.0/10

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1285911.2/19

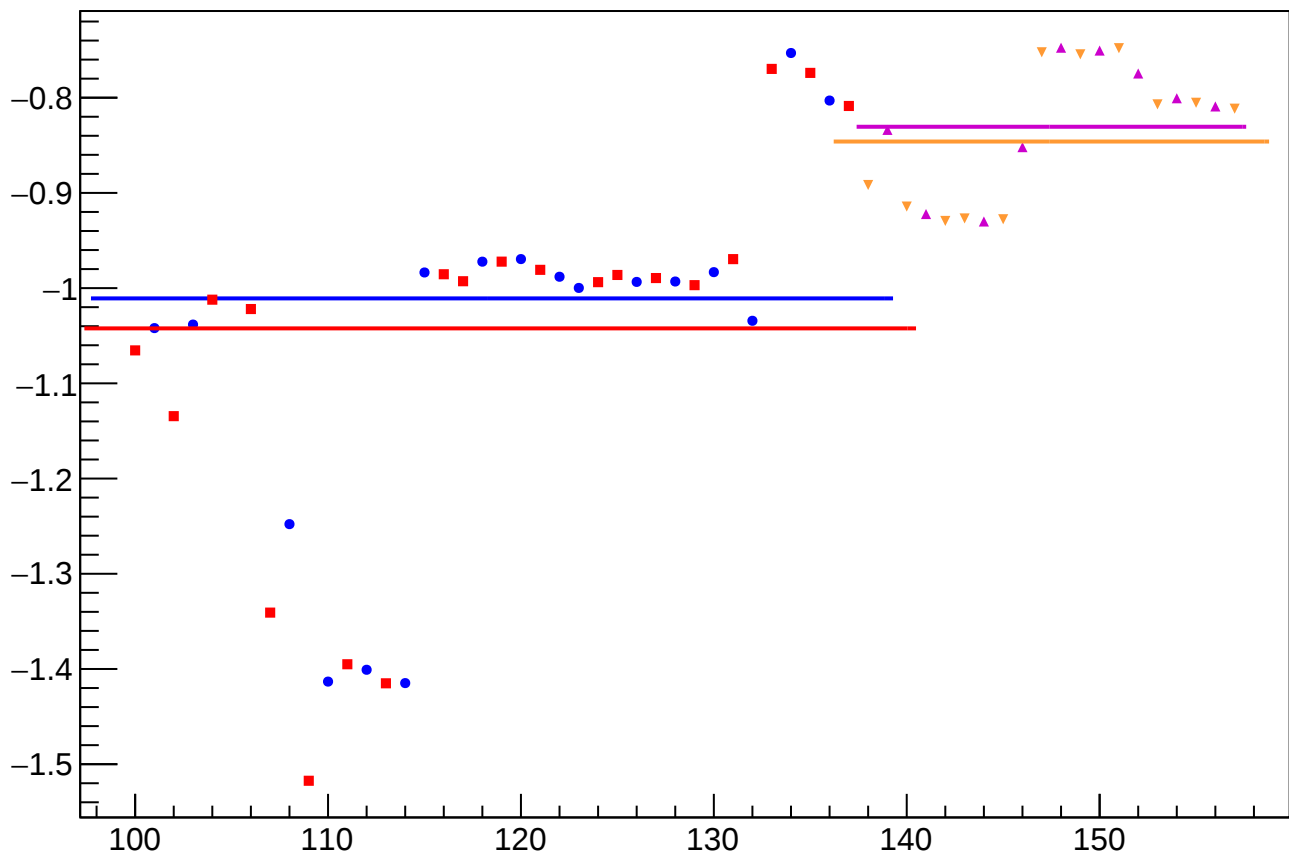
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 278394.2/8

0.012 $\pm$ 0.000 χ^2 /NDF: 1735448.4/27

0.012 $\pm$ 0.000 χ^2 /NDF: 3412733.3/56

0.012 $\pm$ 0.000 χ^2 /NDF: 1675253.4/28

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.011+/-0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.846+/-0.000 χ^2/NDF : 89613842.7/10

Right Out: -1.042+/-0.000 χ^2/NDF : 529028760.6/19

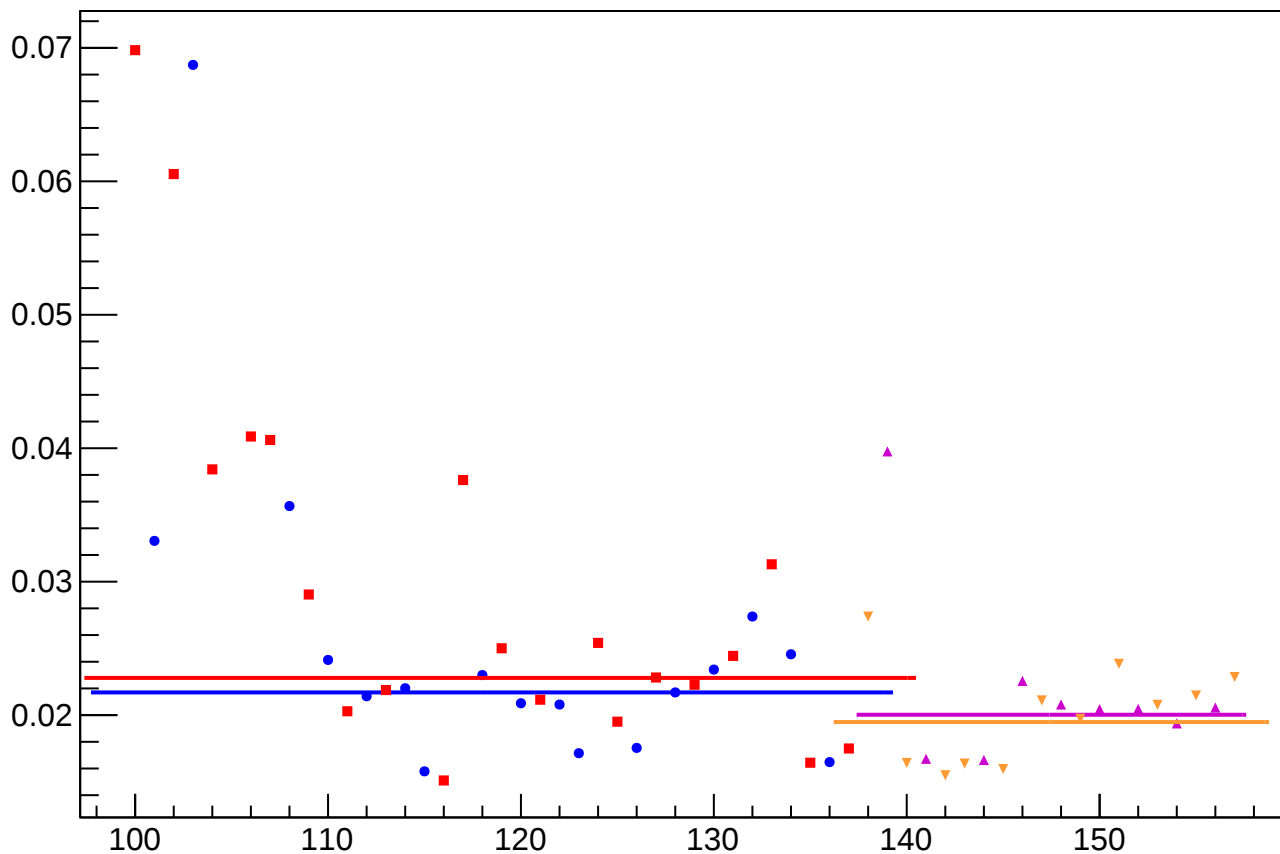
Left In: -0.831+/-0.000 χ^2/NDF : 69188275.7/8

-0.911+/-0.000 χ^2/NDF : 652354089.8/27

-0.915+/-0.000 χ^2/NDF : 1519516035.6/50

-0.919+/-0.000 χ^2/NDF : 866311406.6/28

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022 $\pm$ 0.000 χ^2/NDF : 979293.5/16

Left Out: 0.019 $\pm$ 0.000 χ^2/NDF : 357325.1/10

Right Out: 0.023 $\pm$ 0.000 χ^2/NDF : 1164870.4/19

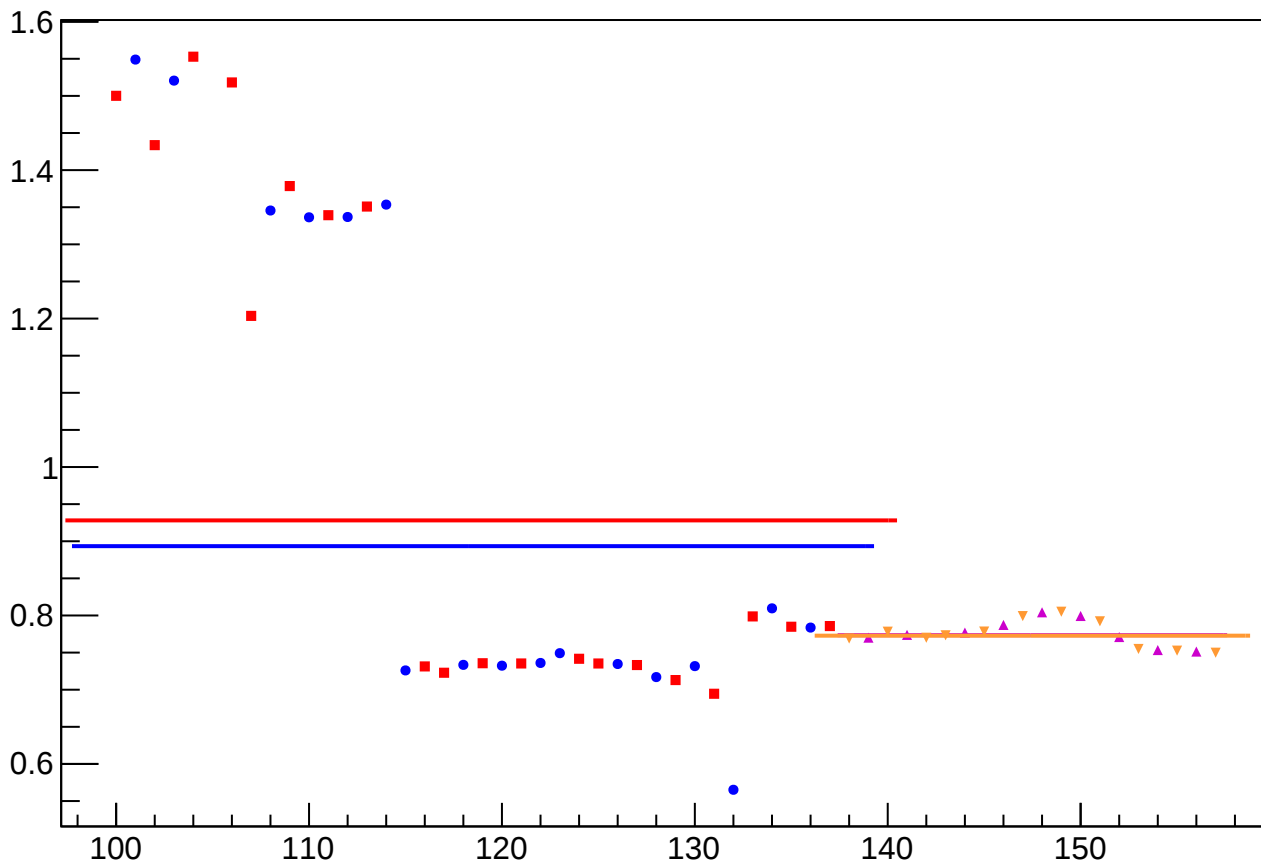
Left In: 0.020 $\pm$ 0.000 χ^2/NDF : 473940.7/8

0.020 $\pm$ 0.000 χ^2/NDF : 1400449.6/27

0.021 $\pm$ 0.000 χ^2/NDF : 3148023.7/56

0.021 $\pm$ 0.000 χ^2/NDF : 1729957.1/28

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.893+/-0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.773+/-0.000 χ^2/NDF : 12961255.0/10

Right Out: 0.928+/-0.000 χ^2/NDF : 2437683008.7/19

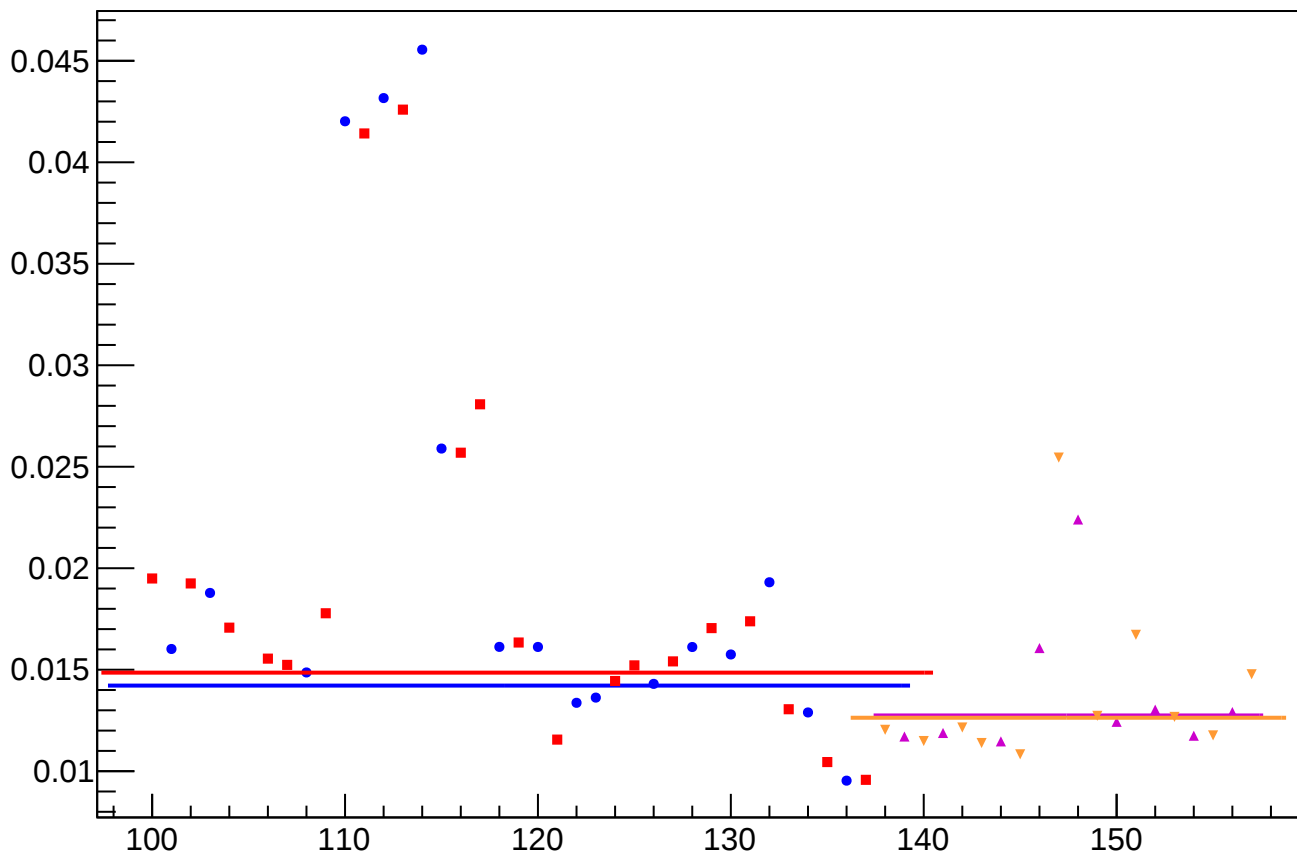
Left In: 0.773+/-0.000 χ^2/NDF : 10536524.4/8

0.817+/-0.000 χ^2/NDF : 2674425173.9/27

0.825+/-0.000 χ^2/NDF : 5529659851.3/56

0.834+/-0.000 χ^2/NDF : 2845490528.5/28

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1409594.2/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 578000.4/10

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1286513.9/19

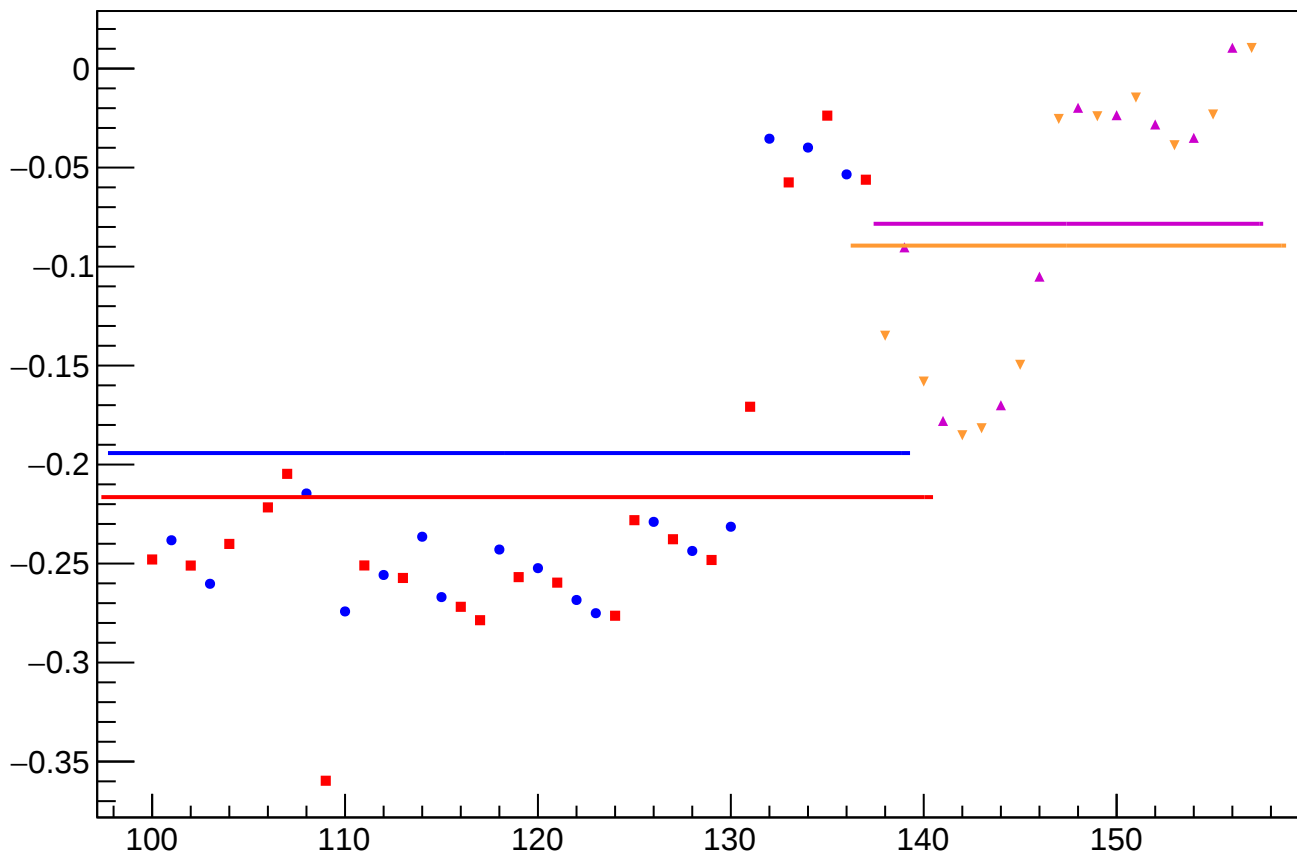
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF: 398893.1/8

0.013 $\pm$ 0.000 χ^2 /NDF: 2075087.5/27

0.013 $\pm$ 0.000 χ^2 /NDF: 3917192.7/56

0.014 $\pm$ 0.000 χ^2 /NDF: 1833233.6/28

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.194+/-0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.089+/-0.000 χ^2/NDF : 90079912.9/10

Right Out: -0.216+/-0.000 χ^2/NDF : 111217219.2/19

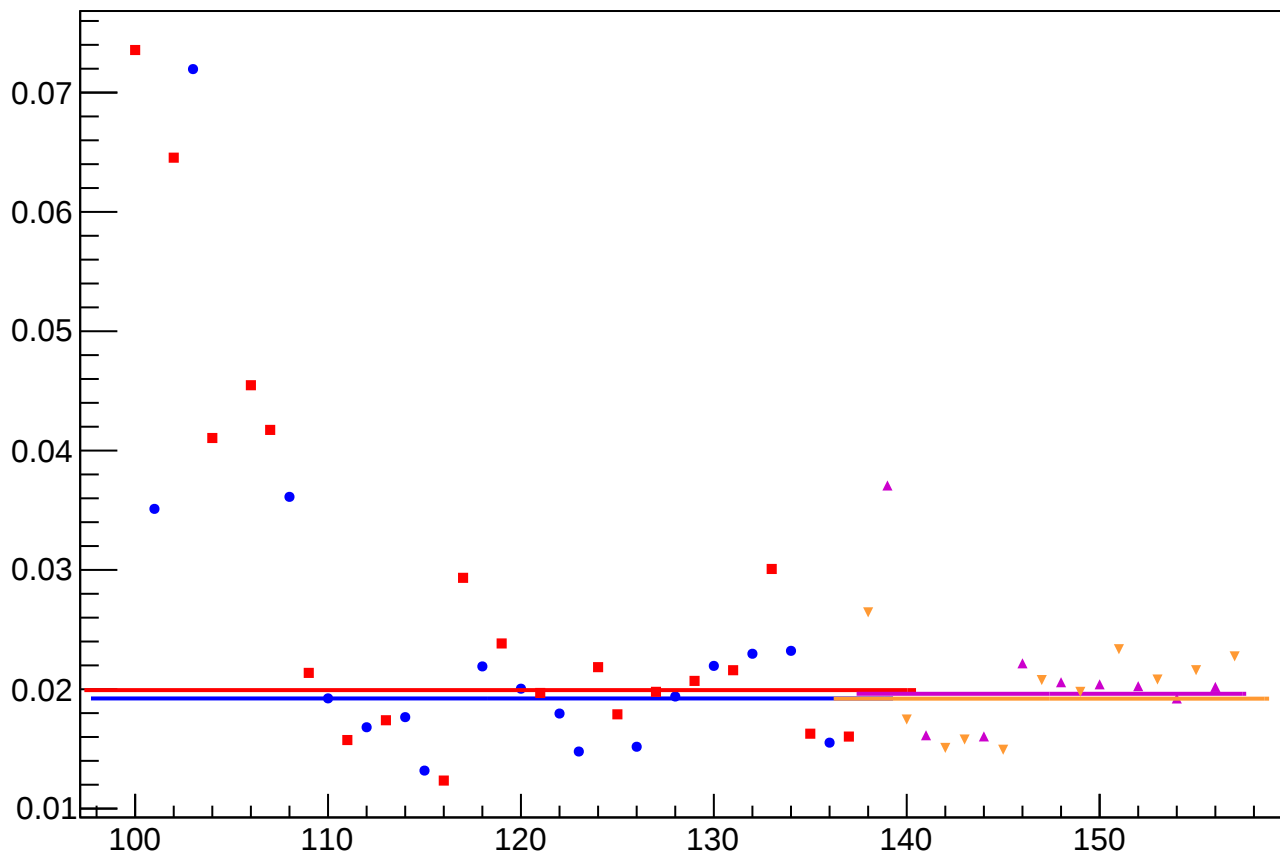
Left In: -0.078+/-0.000 χ^2/NDF : 74775009.9/8

-0.136+/-0.000 χ^2/NDF : 280662940.6/27

-0.139+/-0.000 χ^2/NDF : 600636422.4/56

-0.143+/-0.000 χ^2/NDF : 319219051.4/28

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019 $\pm$ 0.000 χ^2/NDF : 1174577.3/16

Left Out: 0.019 $\pm$ 0.000 χ^2/NDF : 384760.5/10

Right Out: 0.020 $\pm$ 0.000 χ^2/NDF : 1452730.4/19

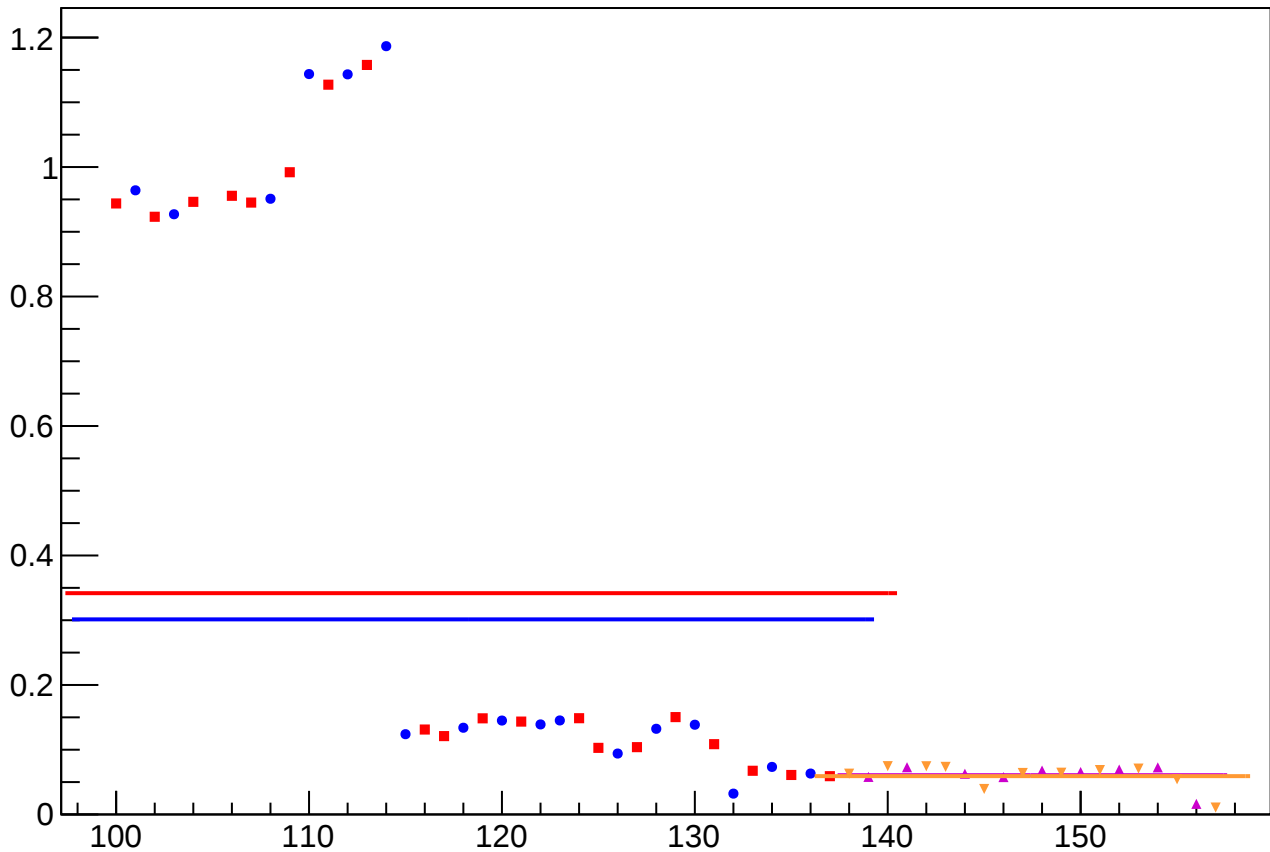
Left In: 0.020 $\pm$ 0.000 χ^2/NDF : 461174.5/8

0.019 $\pm$ 0.000 χ^2/NDF : 1559342.0/27

0.019 $\pm$ 0.000 χ^2/NDF : 3483216.0/56

0.020 $\pm$ 0.000 χ^2/NDF : 1915231.1/28

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.301 $\pm$ 0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.059 $\pm$ 0.000 χ^2/NDF : 20165026.6/10

Right Out: 0.342 $\pm$ 0.000 χ^2/NDF : 5445885893.4/19

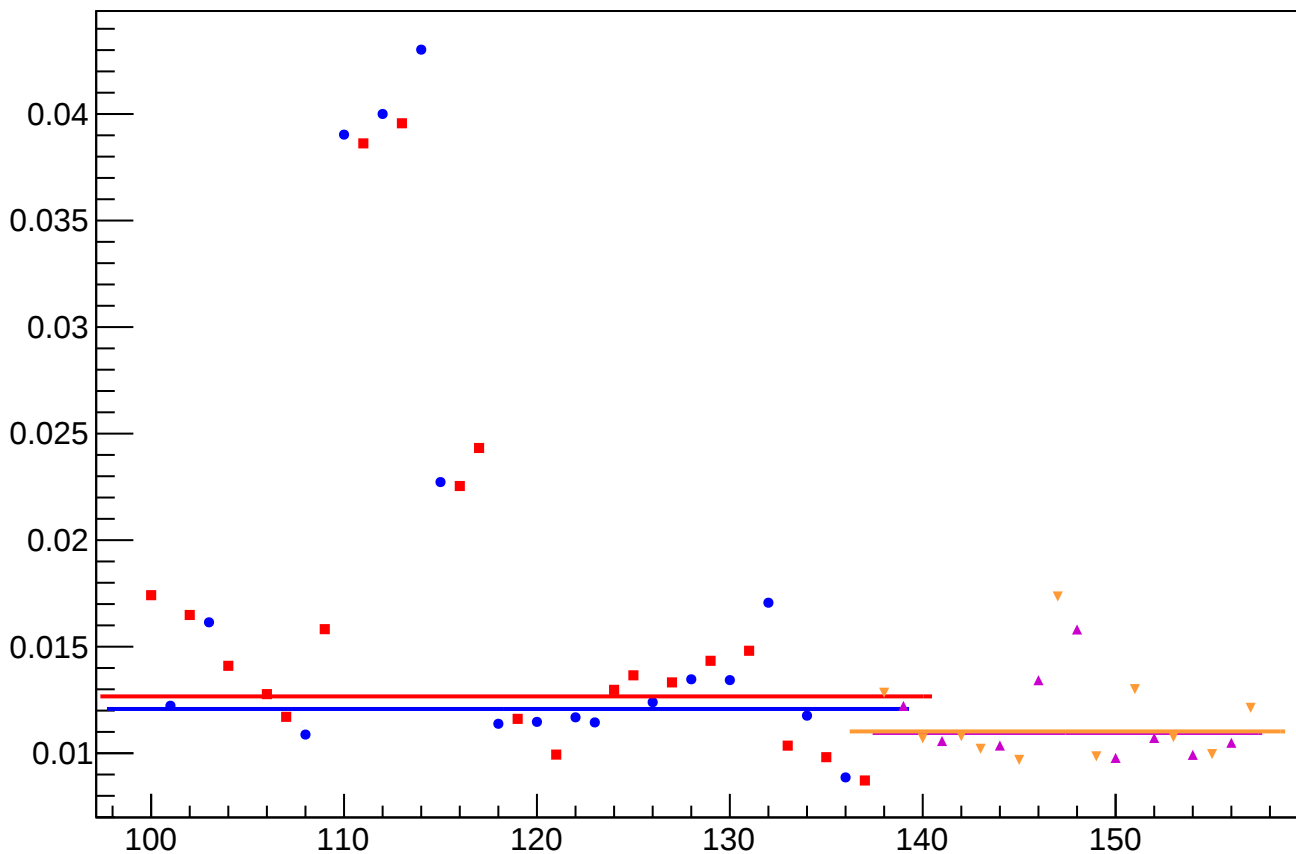
Left In: 0.061 $\pm$ 0.000 χ^2/NDF : 17018314.7/8

0.151 $\pm$ 0.000 χ^2/NDF : 6569994254.0/27

0.160 $\pm$ 0.000 χ^2/NDF : 13832155034.9/5

0.170 $\pm$ 0.000 χ^2/NDF : 7245810857.7/28

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1280342.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:352175.8/10

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1253755.7/19

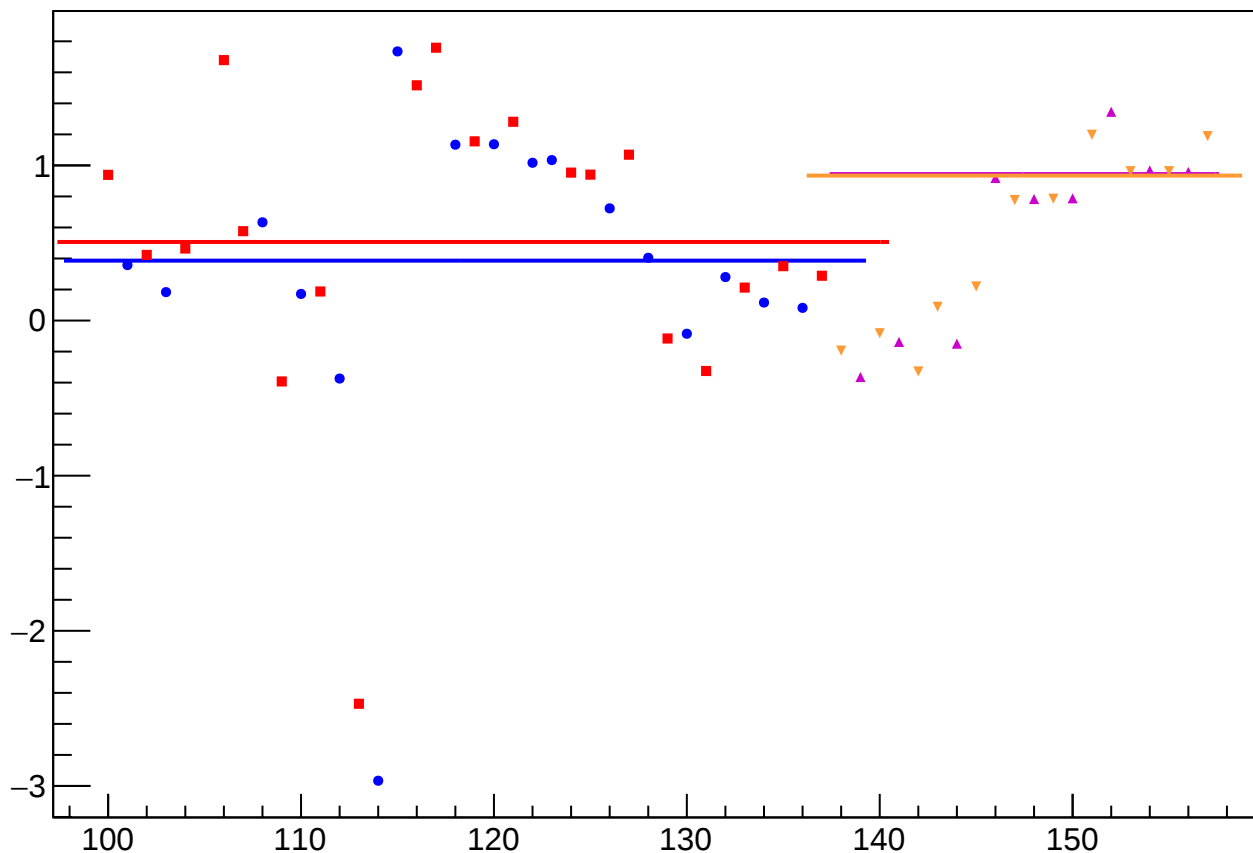
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:265047.5/8

0.011 $\pm$ 0.000 χ^2 /NDF: 1685351.8/27

0.012 $\pm$ 0.000 χ^2 /NDF: 3340553.2/56

0.012 $\pm$ 0.000 χ^2 /NDF: 1651559.2/28

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.386 ± 0.000 χ^2/NDF : 246380221.7/16

Left Out: 0.934 ± 0.000 χ^2/NDF : 862154884.2/10

Right Out: 0.507 ± 0.000 χ^2/NDF : 995373603.6/19

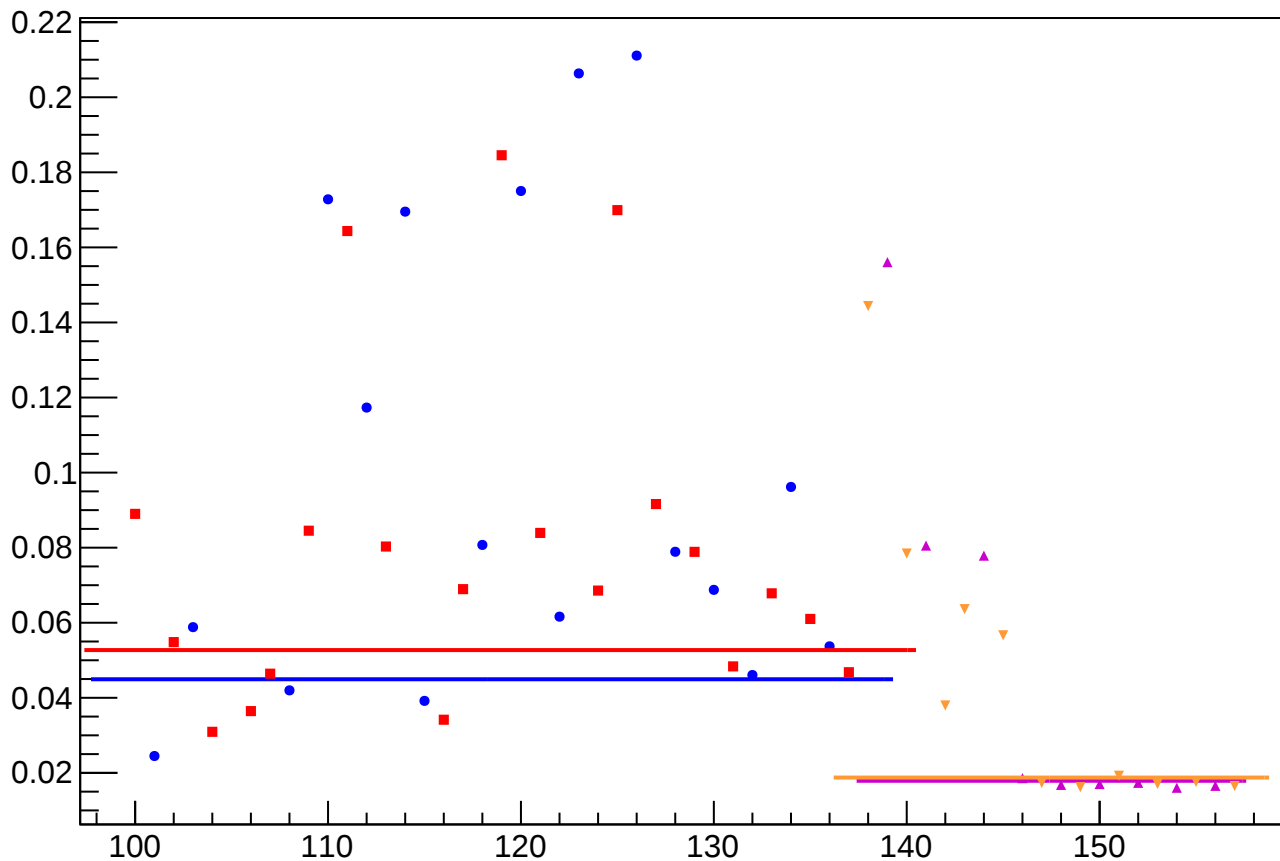
Left In: 0.944 ± 0.000 χ^2/NDF : 748134280.3/8

0.875 ± 0.000 χ^2/NDF : 1576958036.0/27

0.889 ± 0.000 χ^2/NDF : 3587051690.0/56

0.904 ± 0.000 χ^2/NDF : 2003470705.6/28

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045+/-0.000 χ^2/NDF : 2788348.6/16

Left Out: 0.019+/-0.000 χ^2/NDF : 2558309.5/10

Right Out: 0.053+/-0.000 χ^2/NDF : 2195781.8/19

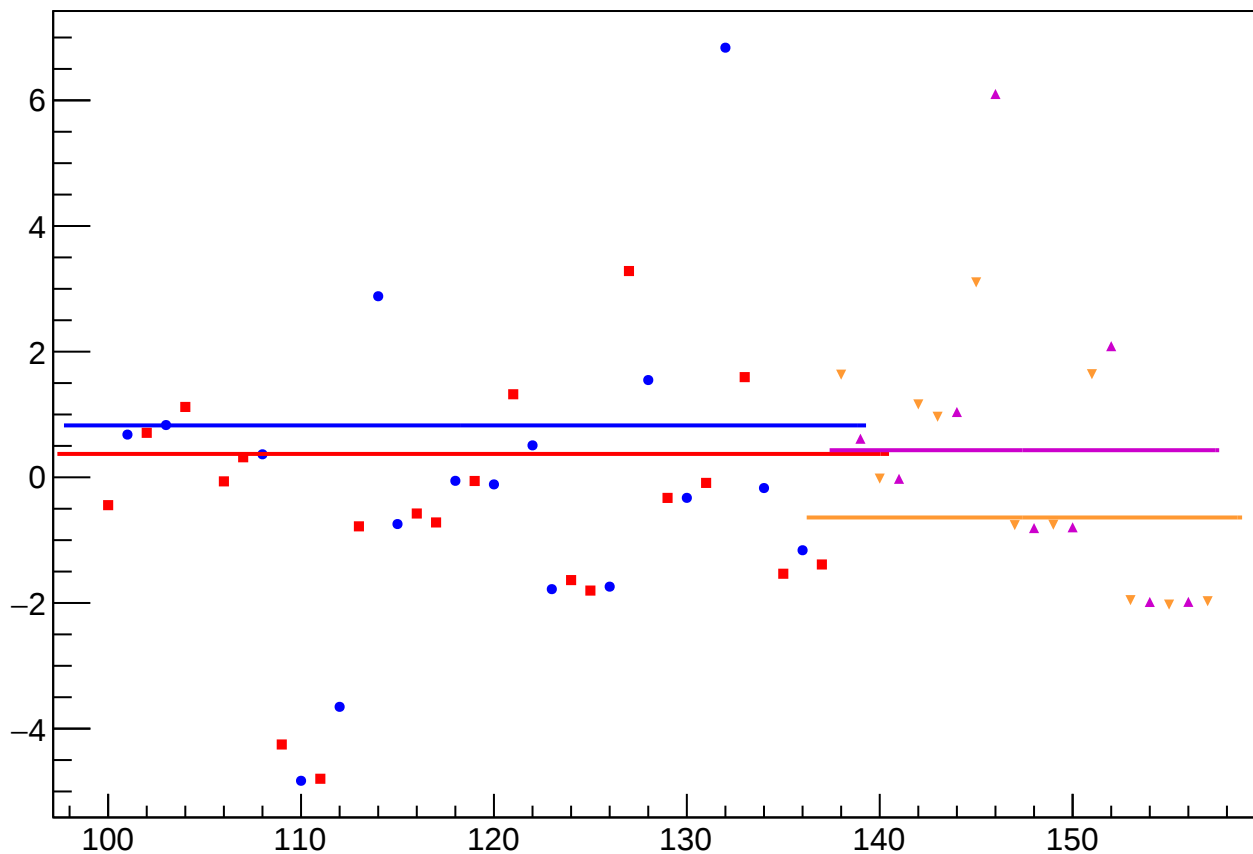
Left In: 0.018+/-0.000 χ^2/NDF : 2246356.4/8

0.022+/-0.000 χ^2/NDF : 7484303.2/27

0.021+/-0.000 χ^2/NDF : 15222470.2/56

0.021+/-0.000 χ^2/NDF : 7734587.3/28

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.826+/-0.000 χ^2/NDF : 10945455664.9/16

Left Out: -0.639+/-0.000 χ^2/NDF : 70913336139.4/10

Right Out: 0.372+/-0.000 χ^2/NDF : 4960201861.0/19

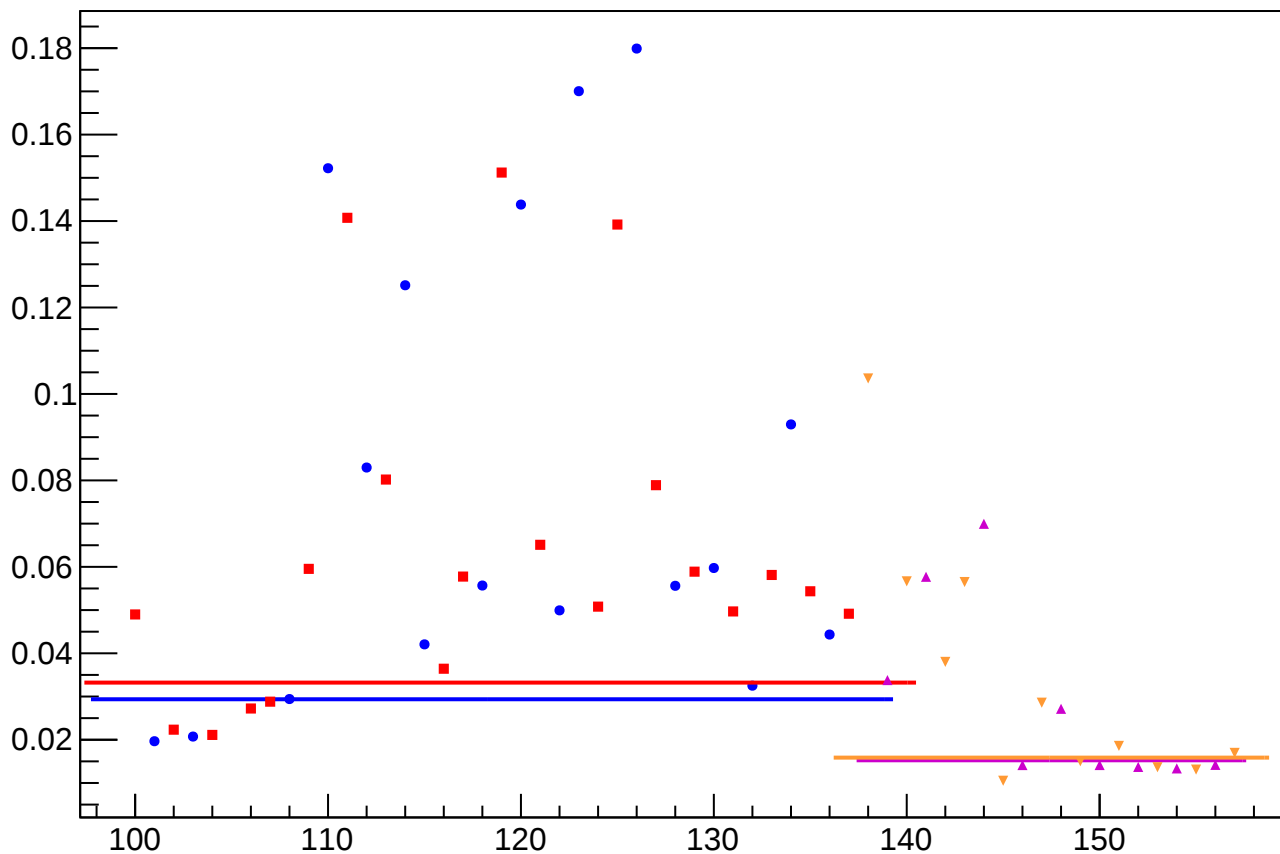
Left In: 0.432+/-0.000 χ^2/NDF : 179808367291.3/8

-0.408+/-0.000 χ^2/NDF : 88972822658.5/27

0.011+/-0.000 χ^2/NDF : 282440721284.8/10

0.423+/-0.000 χ^2/NDF : 184779176792.9/28

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.016+/-0.000 χ^2/NDF :2525373.2/10

Right Out: 0.033+/-0.000 χ^2/NDF : 3112299.1/19

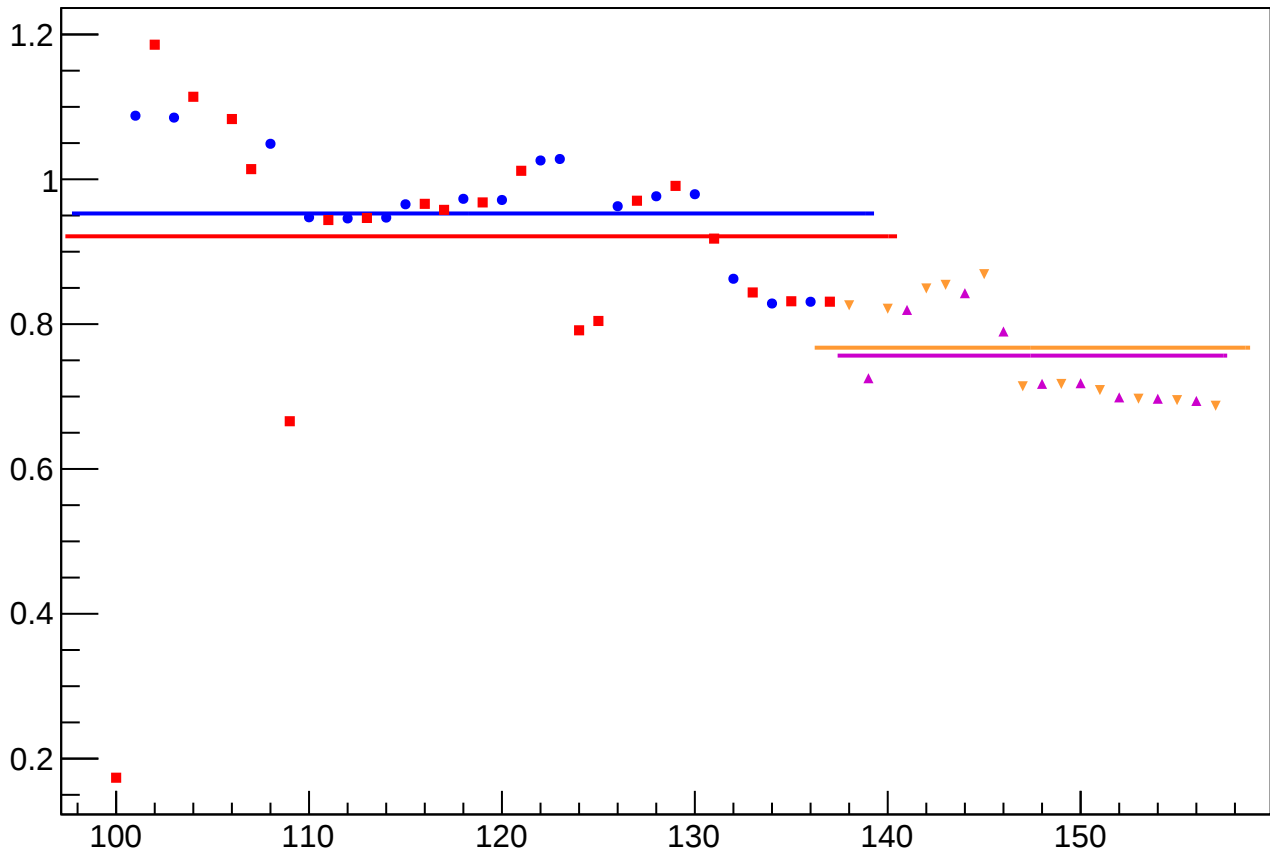
Left In: 0.015+/-0.000 χ^2/NDF :1678547.5/8

0.018+/-0.000 χ^2/NDF : 6720333.7/27

0.018+/-0.000 χ^2/NDF : 13463186.7/56

0.018+/-0.000 χ^2/NDF : 6741169.7/28

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.953+/-0.000 χ^2/NDF : 175750243.6/16

Left Out: 0.767+/-0.000 χ^2/NDF : 200308036.7/10

Right Out: 0.921+/-0.000 χ^2/NDF : 374306248.8/19

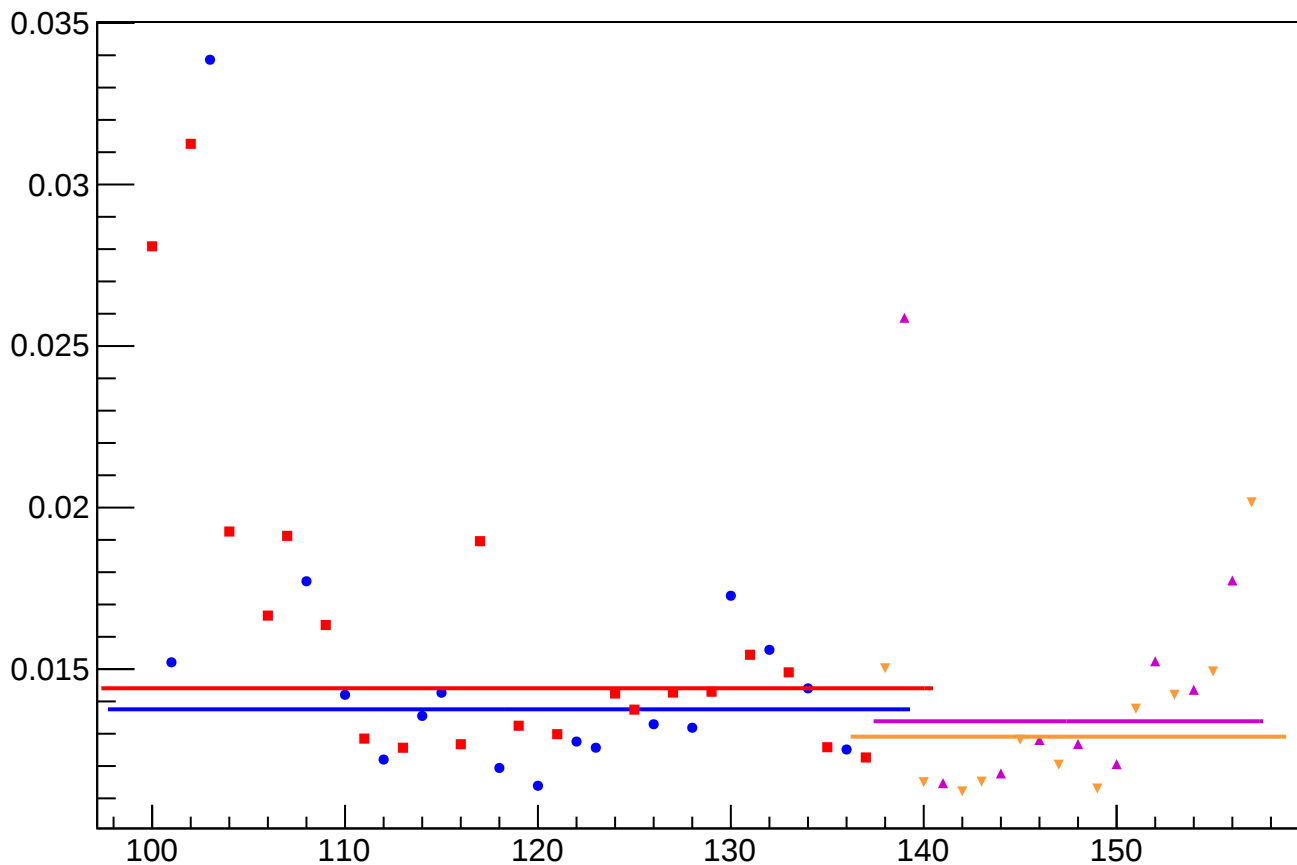
Left In: 0.757+/-0.000 χ^2/NDF : 115615850.5/8

0.846+/-0.000 χ^2/NDF : 977142553.4/27

0.839+/-0.000 χ^2/NDF : 1911545169.6/56

0.831+/-0.000 χ^2/NDF : 926822530.8/28

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 538469.4/16

Left Out: 0.013+/-0.000 χ^2/NDF : 311133.3/10

Right Out: 0.014+/-0.000 χ^2/NDF : 508622.9/19

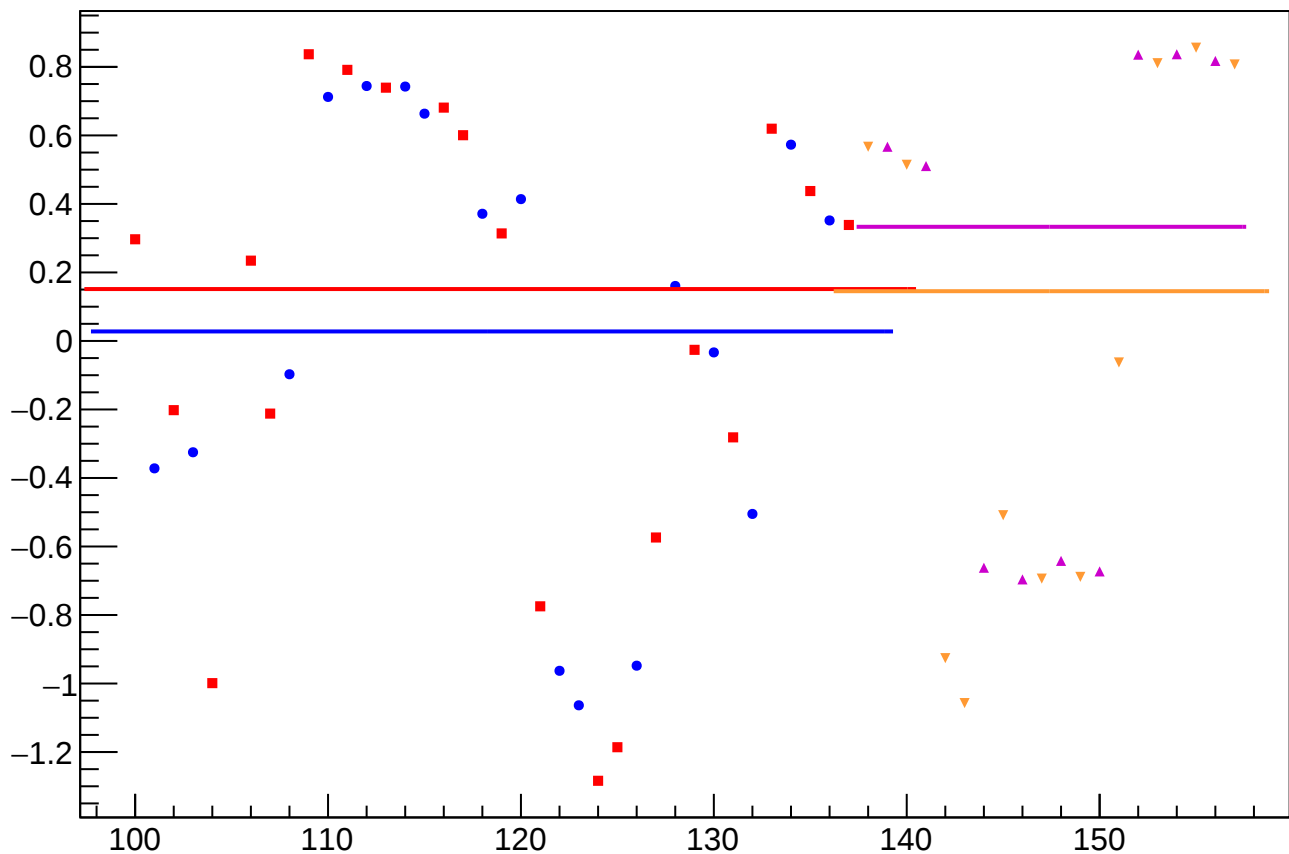
Left In: 0.013+/-0.000 χ^2/NDF : 531819.5/8

0.013+/-0.000 χ^2/NDF : 874692.5/27

0.014+/-0.000 χ^2/NDF : 1971718.2/56

0.014+/-0.000 χ^2/NDF : 1074072.0/28

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.028 $\pm$ 0.000 χ^2 /NDF: 6276955529.7/16

Left Out: 0.145 $\pm$ 0.000 χ^2 /NDF:22389861004.6/10

Right Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 12665480117.0/19

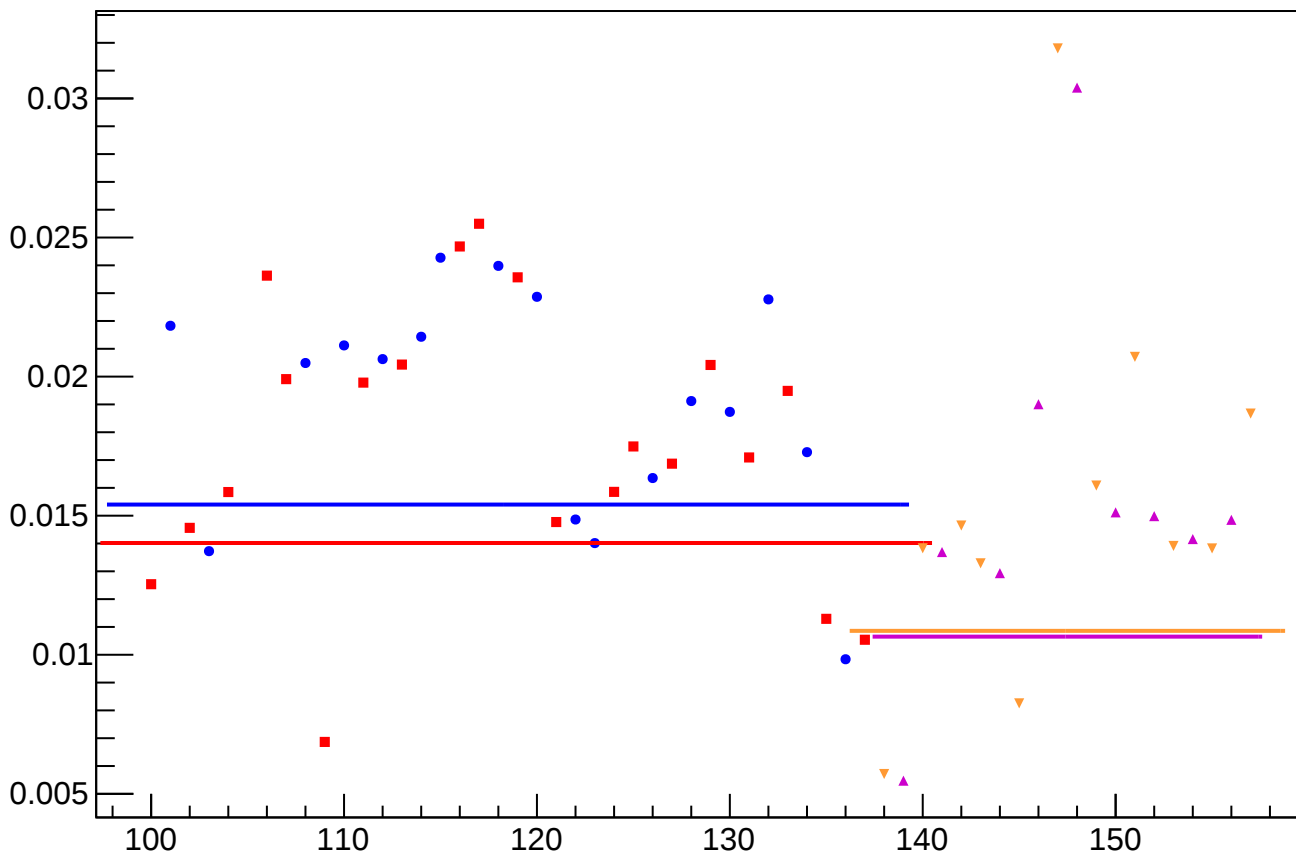
Left In: 0.333 $\pm$ 0.000 χ^2 /NDF:15592890954.9/8

0.109 $\pm$ 0.000 χ^2 /NDF: 28890830862.1/27

0.189 $\pm$ 0.000 χ^2 /NDF: 58700819270.5/5

0.266 $\pm$ 0.000 χ^2 /NDF: 28855488438.7/28

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015 $\pm$ 0.000 χ^2/NDF : 1141655.8/16

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 2778546.1/10

Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 1576882.7/19

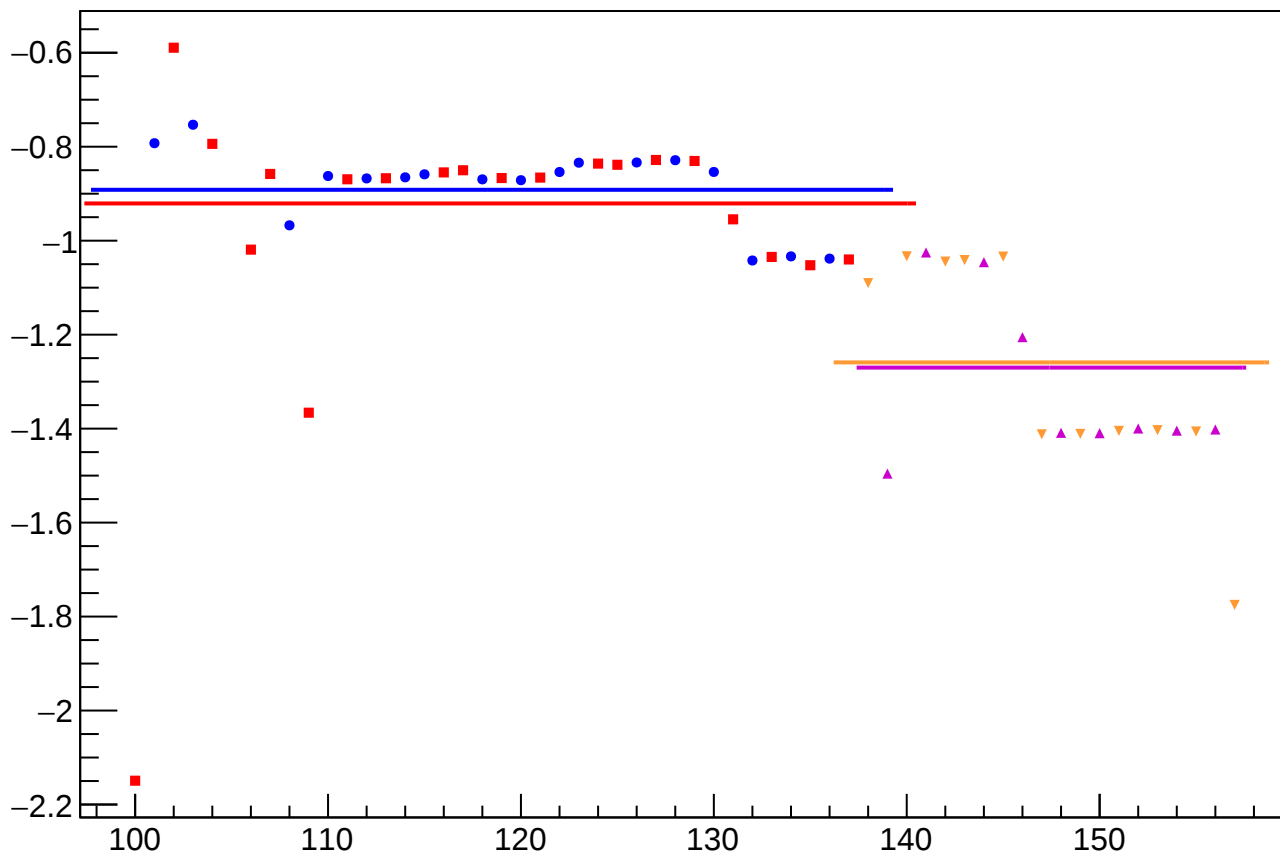
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 2751952.3/8

0.012 $\pm$ 0.000 χ^2/NDF : 4589548.8/27

0.012 $\pm$ 0.000 χ^2/NDF : 9339792.4/56

0.012 $\pm$ 0.000 χ^2/NDF : 4738706.5/28

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.892+/-0.000 χ^2/NDF : 39793337.2/16

Left Out: -1.259+/-0.000 χ^2/NDF : 260879242.2/10

Right Out: -0.921+/-0.000 χ^2/NDF : 131248005.3/19

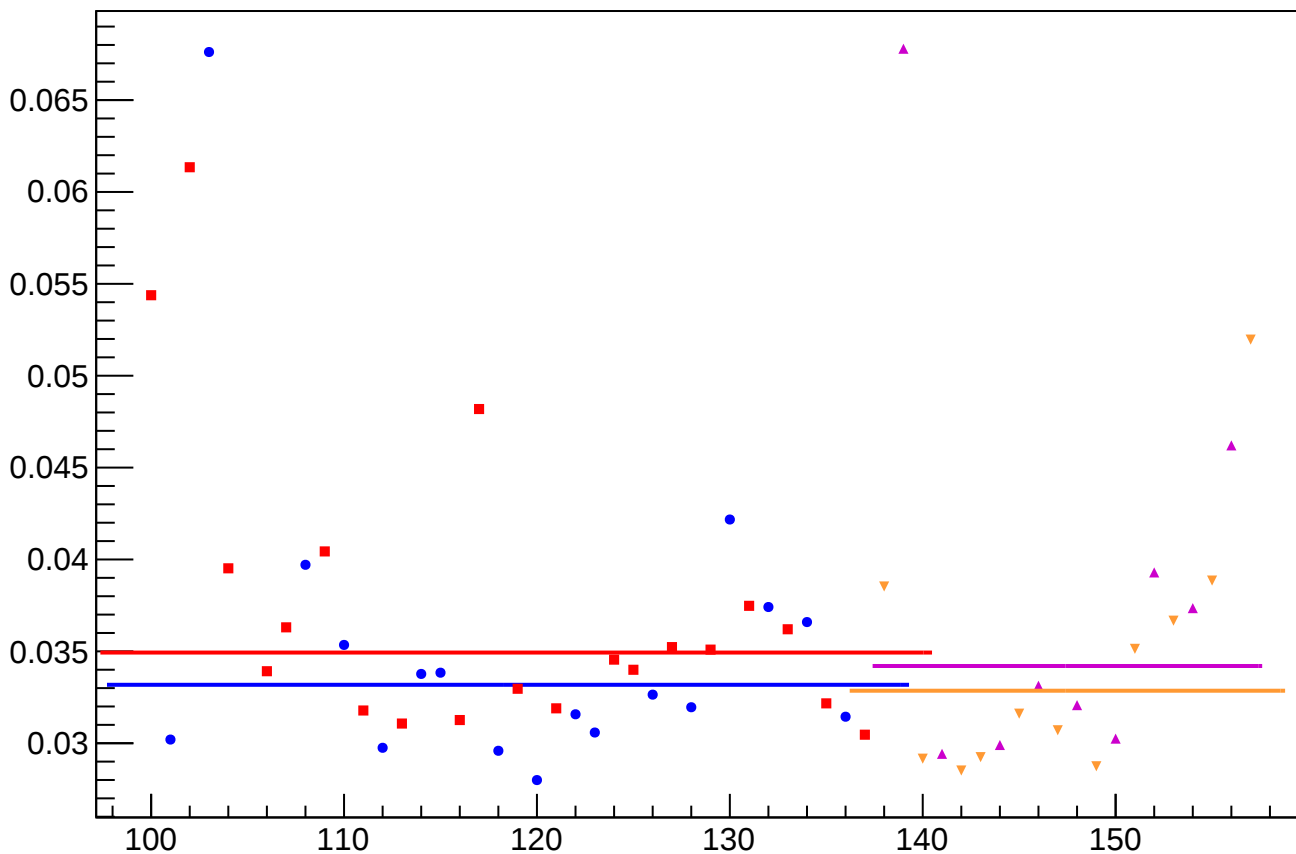
Left In: -1.270+/-0.000 χ^2/NDF : 15535149.1/8

-1.092+/-0.000 χ^2/NDF : 688302219.7/27

-1.096+/-0.000 χ^2/NDF : 1294668761.4/50

-1.101+/-0.000 χ^2/NDF : 605881147.9/28

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF : 400106.0/16

Left Out: 0.033+/-0.000 χ^2/NDF : 334088.0/10

Right Out: 0.035+/-0.000 χ^2/NDF : 281256.5/19

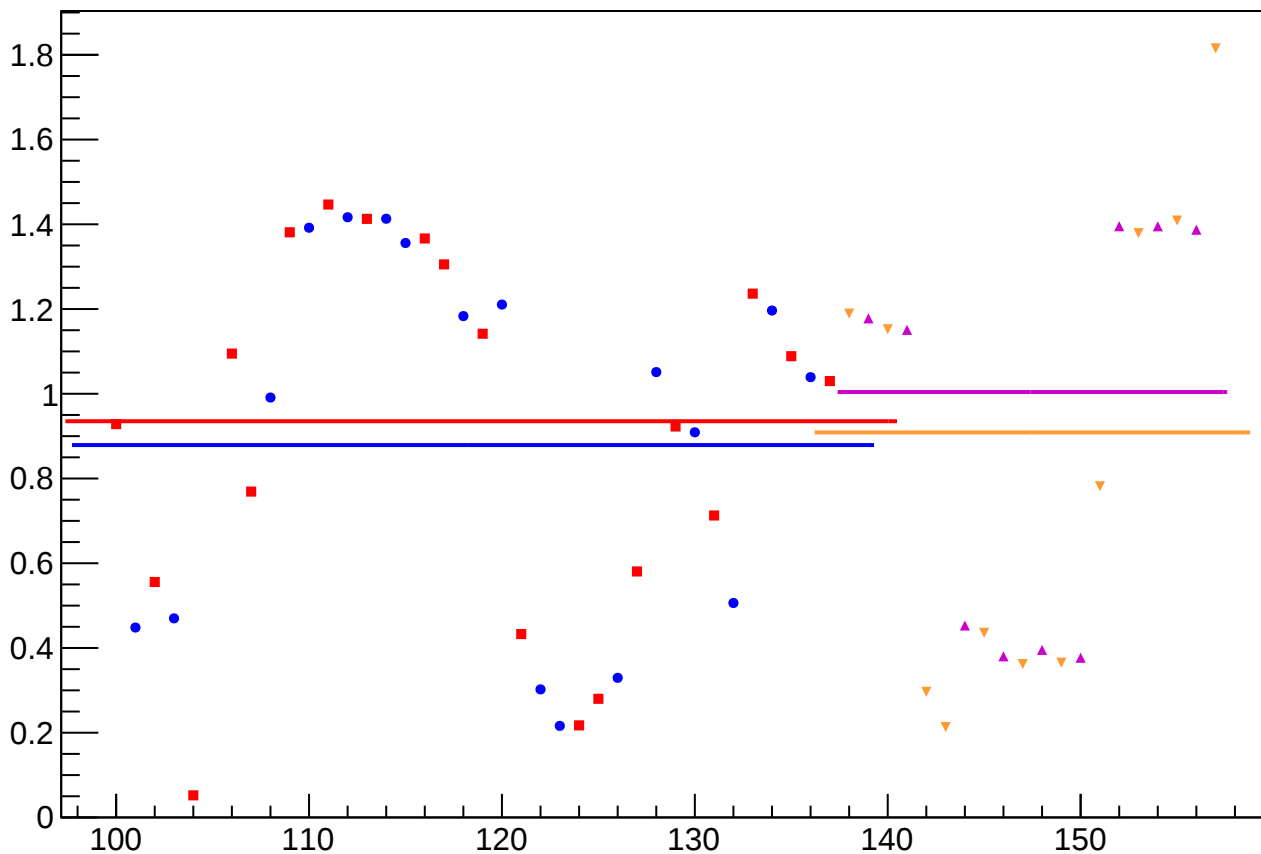
Left In: 0.034+/-0.000 χ^2/NDF : 573265.5/8

0.033+/-0.000 χ^2/NDF : 734789.8/27

0.034+/-0.000 χ^2/NDF : 1618612.1/56

0.035+/-0.000 χ^2/NDF : 857320.2/28

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.879+/-0.000 χ^2/NDF : 6371602566.2/16

Left Out: 0.909+/-0.000 χ^2/NDF : 21429558389.8/10

Right Out: 0.935+/-0.000 χ^2/NDF : 9844960466.1/19

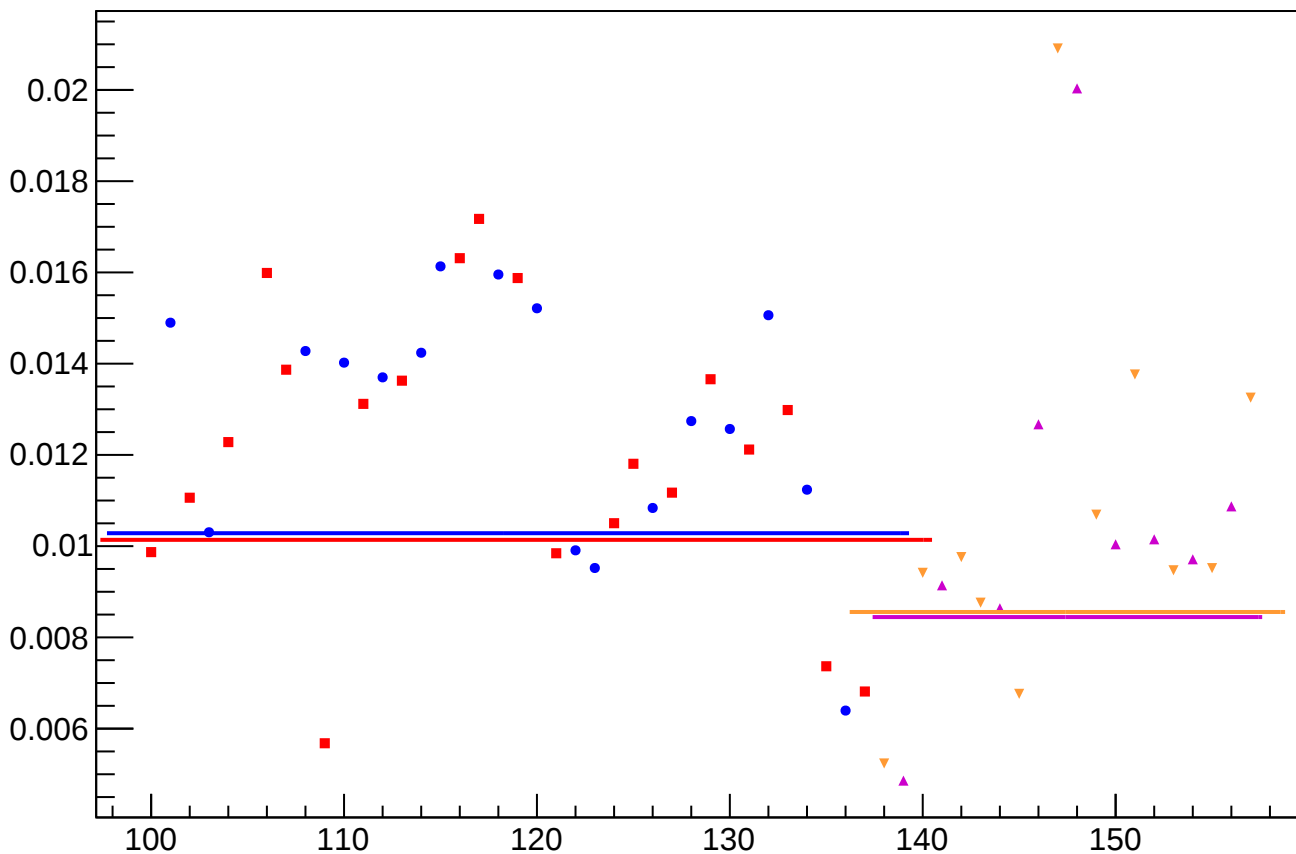
Left In: 1.004+/-0.000 χ^2/NDF : 13685223508.6/8

0.898+/-0.000 χ^2/NDF : 27830988689.3/27

0.937+/-0.000 χ^2/NDF : 51974964642.0/5

0.977+/-0.000 χ^2/NDF : 23693737712.2/28

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF : 1207460.1/16

Left Out: 0.009+/-0.000 χ^2/NDF : 1651627.6/10

Right Out: 0.010+/-0.000 χ^2/NDF : 1189529.0/19

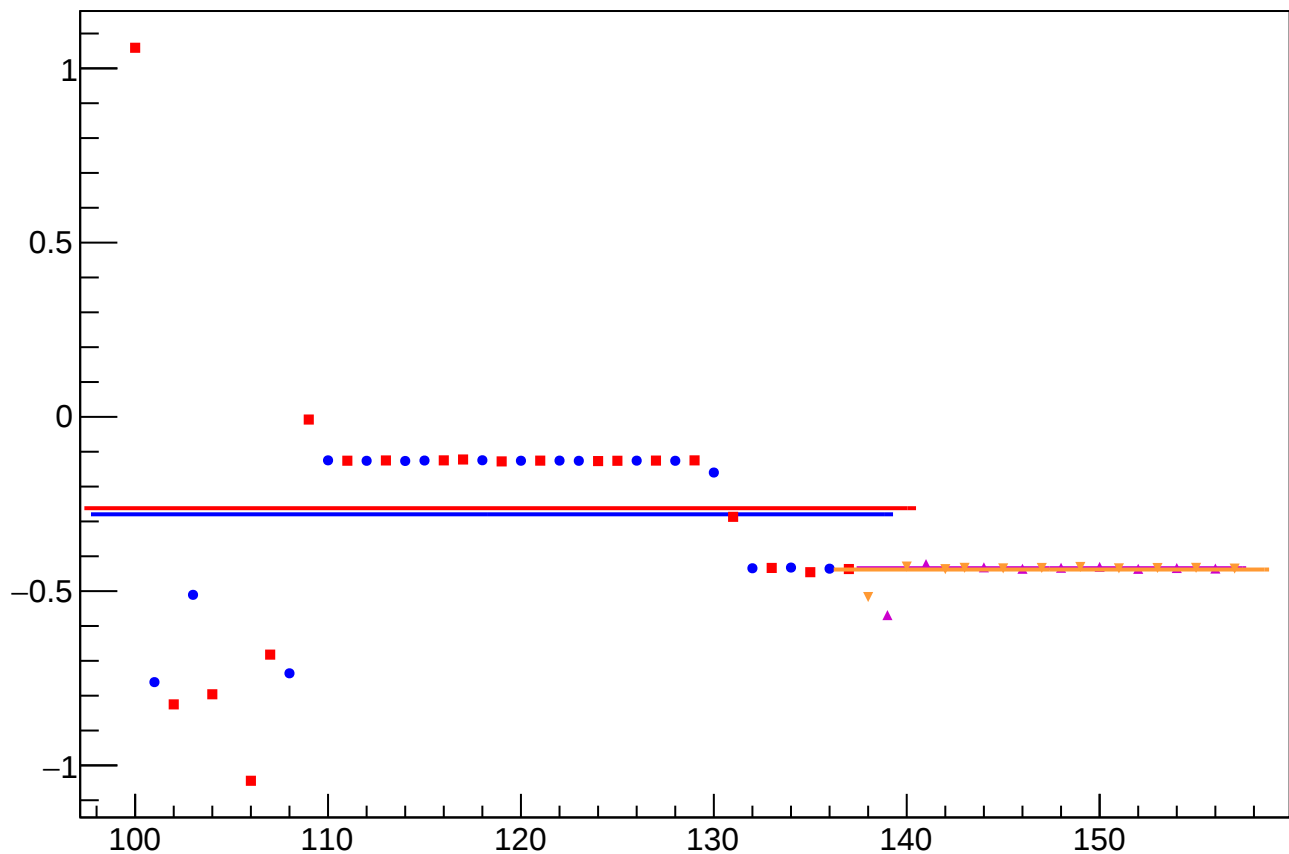
Left In: 0.008+/-0.000 χ^2/NDF : 1607226.1/8

0.009+/-0.000 χ^2/NDF : 3059631.4/27

0.009+/-0.000 χ^2/NDF : 6054451.5/56

0.009+/-0.000 χ^2/NDF : 2994250.3/28

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.280+/-0.000 χ^2/NDF : 929210245.5/16

Left Out: -0.438+/-0.000 χ^2/NDF : 24178775.1/10

Right Out: -0.262+/-0.000 χ^2/NDF : 1007161741.8/19

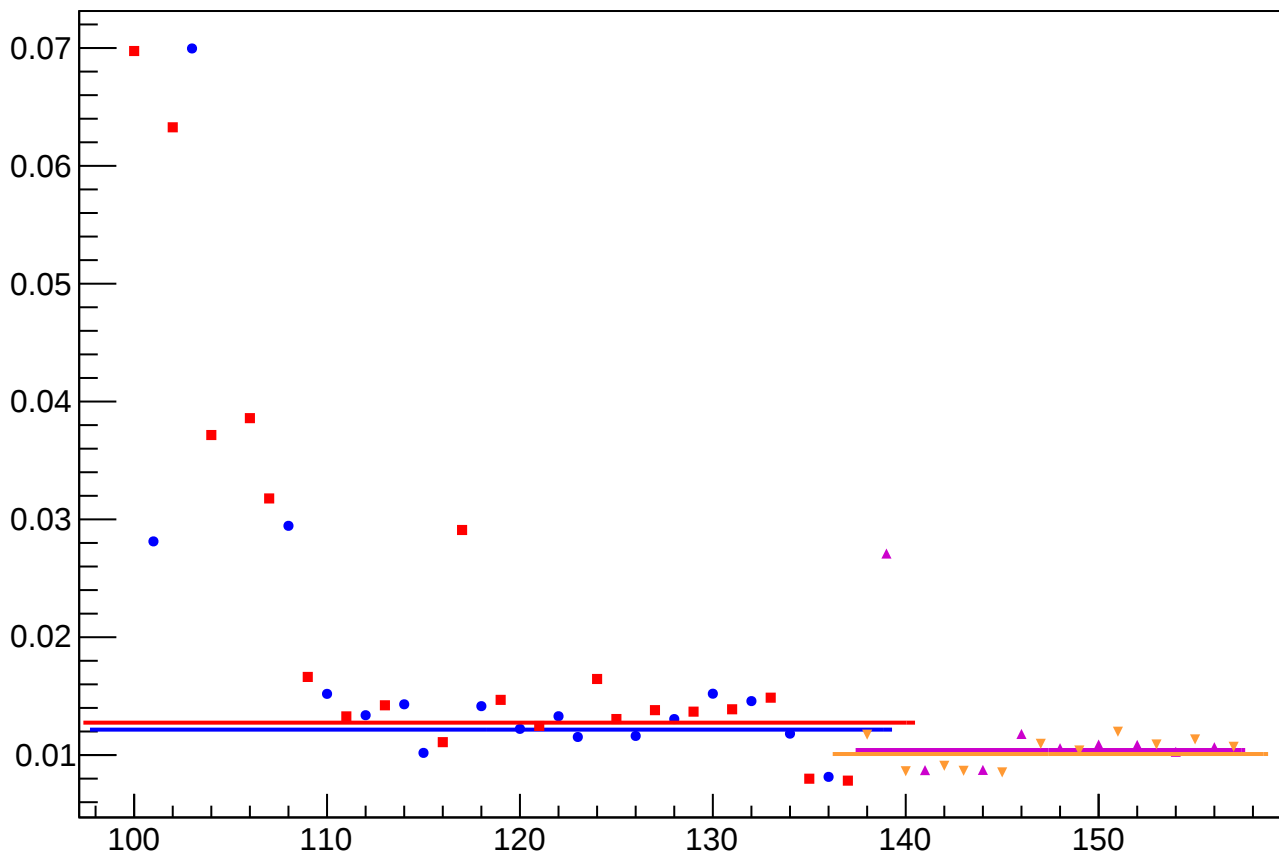
Left In: -0.434+/-0.000 χ^2/NDF : 18866952.9/8

-0.386+/-0.000 χ^2/NDF : 1483272003.2/27

-0.380+/-0.000 χ^2/NDF : 3086762361.5/50

-0.373+/-0.000 χ^2/NDF : 1595996283.6/28

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1722777.4/16

Left Out: 0.010+/-0.000 χ^2/NDF : 199684.2/10

Right Out: 0.013+/-0.000 χ^2/NDF : 1991972.4/19

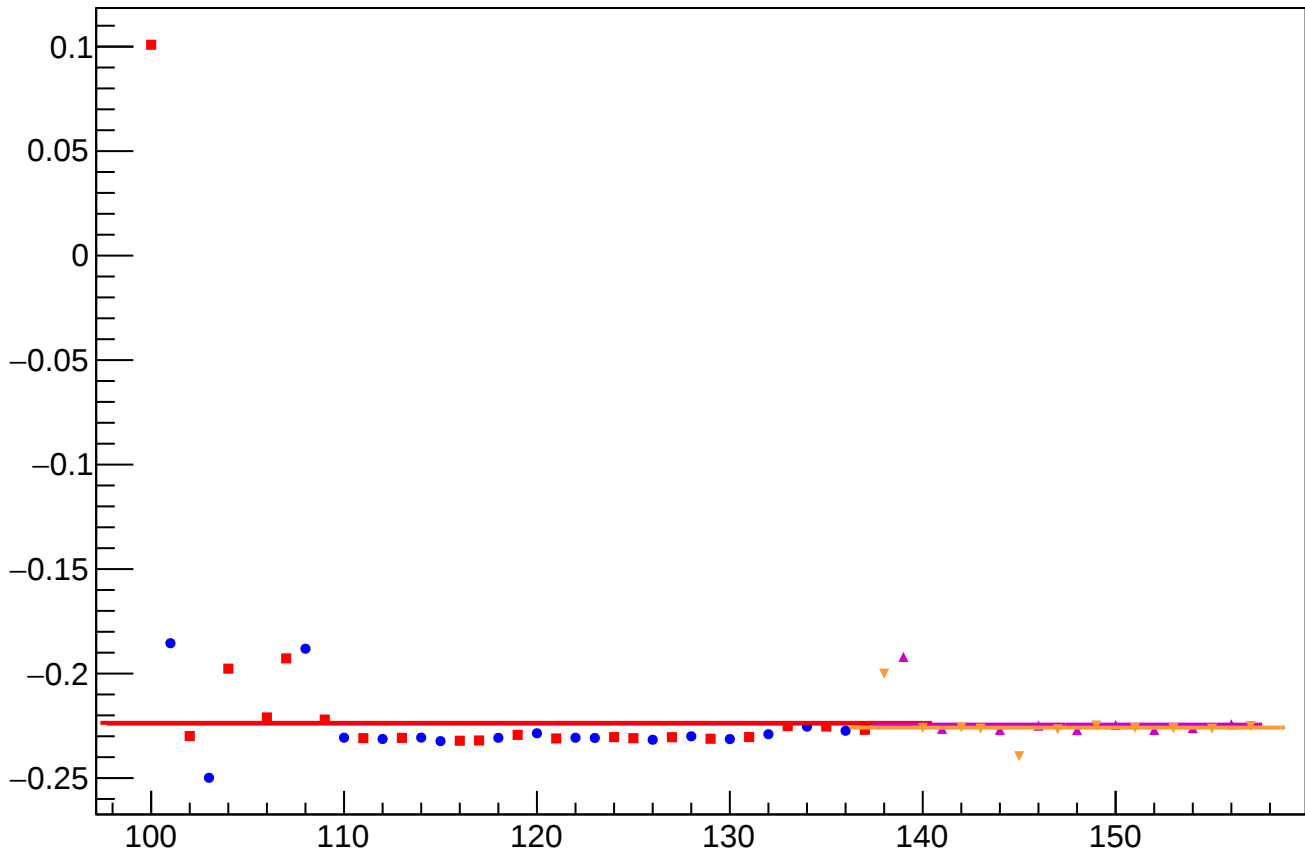
Left In: 0.010+/-0.000 χ^2/NDF : 659988.3/8

0.011+/-0.000 χ^2/NDF : 2103203.7/27

0.011+/-0.000 χ^2/NDF : 4983650.8/56

0.011+/-0.000 χ^2/NDF : 2859437.5/28

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.224+/-0.000 χ^2/NDF : 74600073.9/16

Left Out: -0.226+/-0.000 χ^2/NDF : 20532808.2/10

Right Out: -0.224+/-0.000 χ^2/NDF : 168229582.1/19

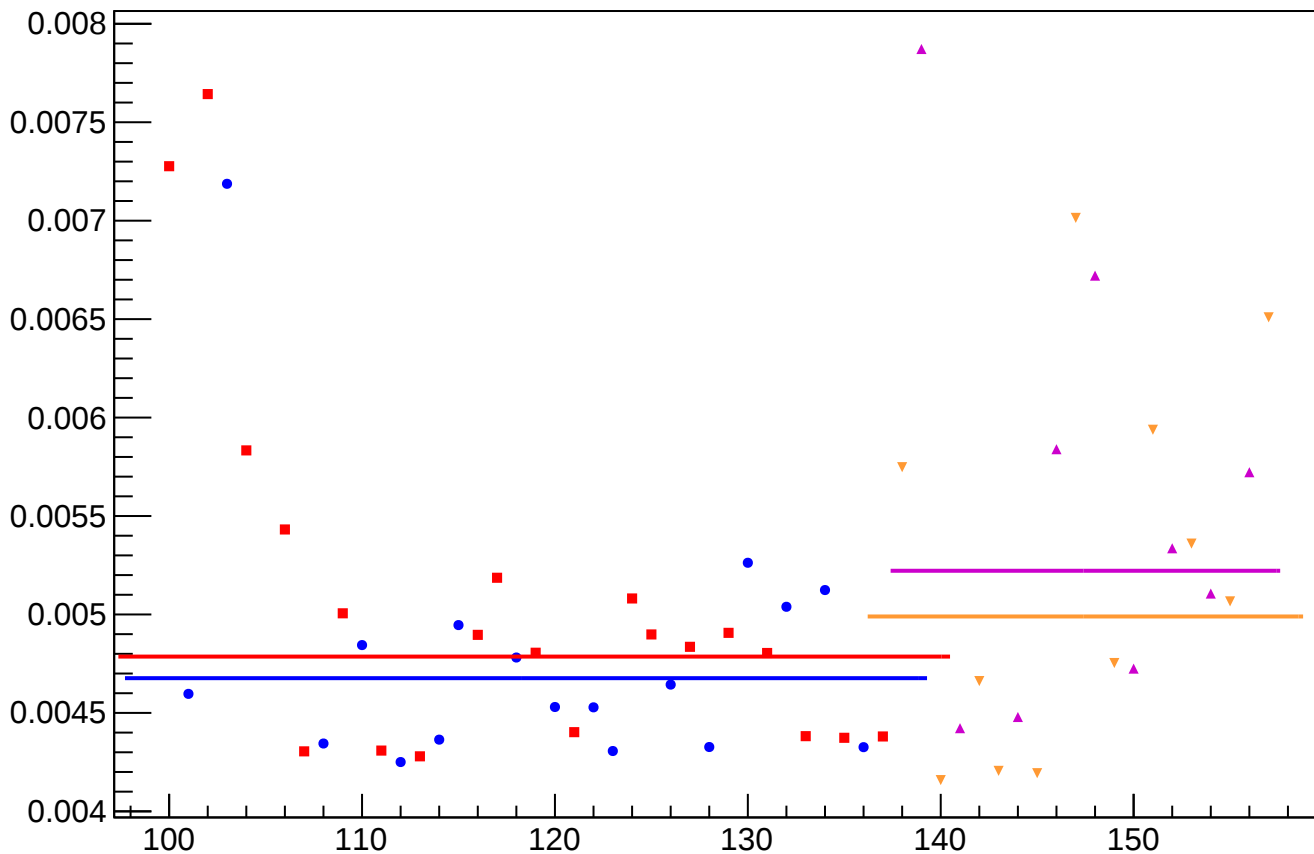
Left In: -0.224+/-0.000 χ^2/NDF : 12428305.2/8

-0.225+/-0.000 χ^2/NDF : 95691585.0/27

-0.224+/-0.000 χ^2/NDF : 276678488.7/56

-0.224+/-0.000 χ^2/NDF : 180751690.0/28

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 180780.8/16

Left Out: 0.005+/-0.000 χ^2/NDF : 424085.9/10

Right Out: 0.005+/-0.000 χ^2/NDF : 248745.3/19

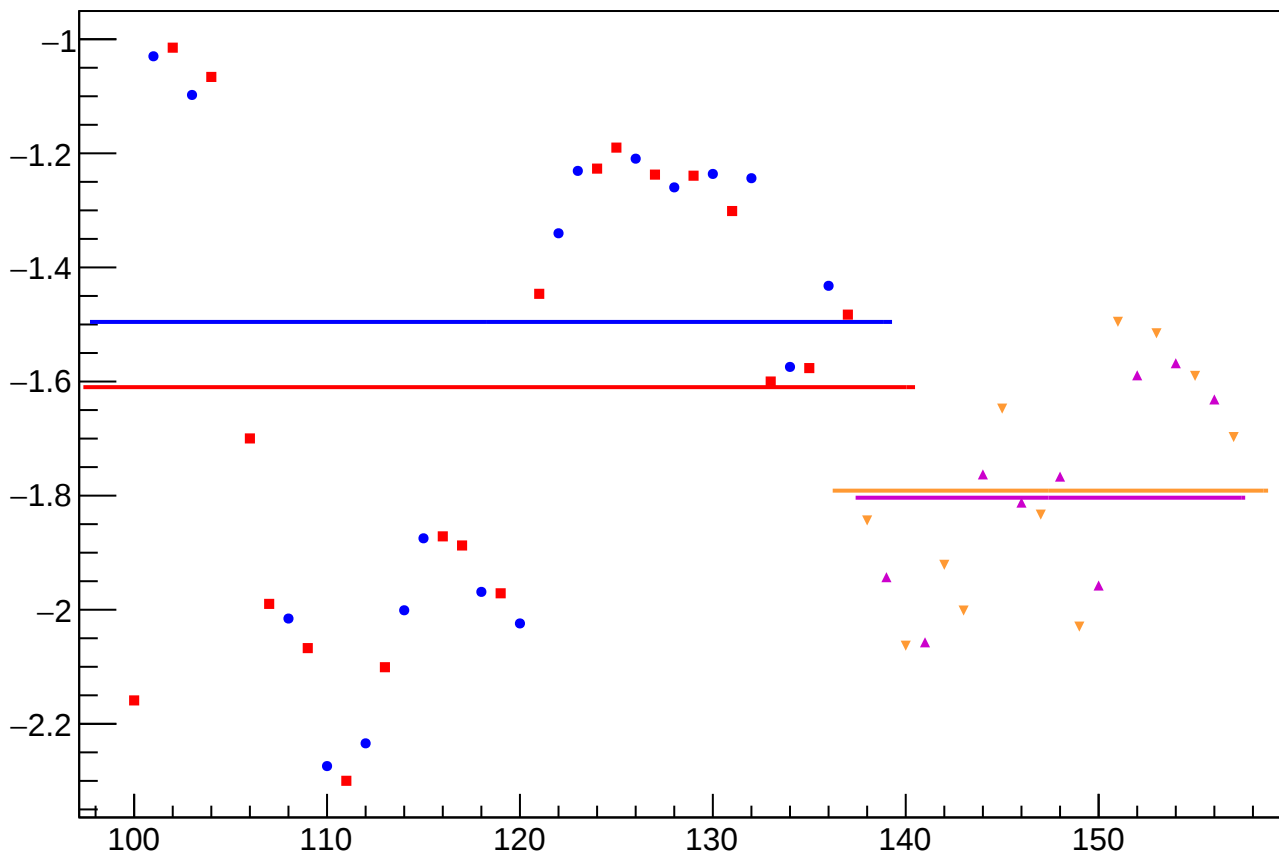
Left In: 0.005+/-0.000 χ^2/NDF : 372671.7/8

0.005+/-0.000 χ^2/NDF : 632694.0/27

0.005+/-0.000 χ^2/NDF : 1316569.6/56

0.005+/-0.000 χ^2/NDF : 671332.3/28

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496+/-0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.791+/-0.000 χ^2/NDF : 8684830757.8/10

Right Out: -1.610+/-0.000 χ^2/NDF : 27936032778.6/19

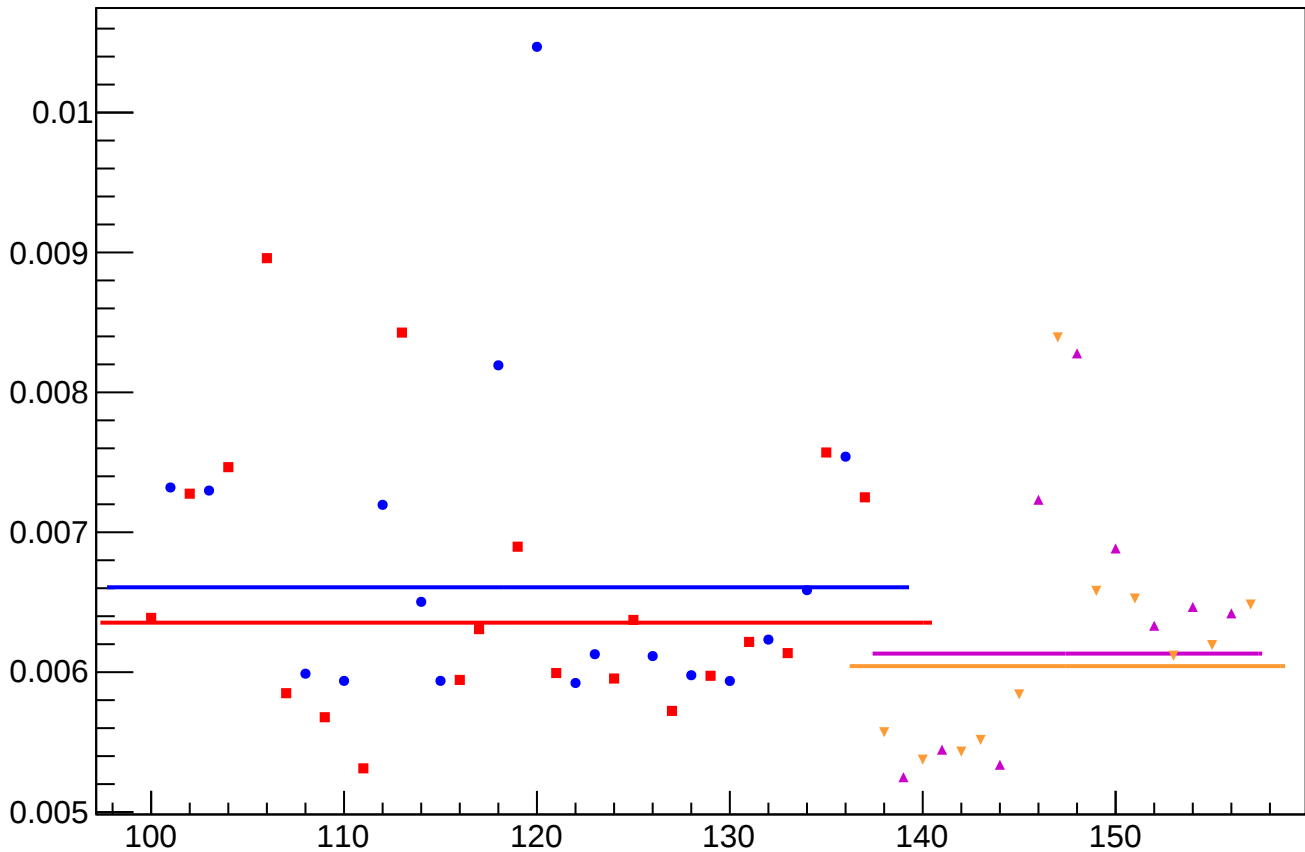
Left In: -1.804+/-0.000 χ^2/NDF : 5229652468.1/8

-1.673+/-0.000 χ^2/NDF : 38470151267.9/27

-1.692+/-0.000 χ^2/NDF : 75105122440.5/27

-1.711+/-0.000 χ^2/NDF : 36383383055.0/28

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 201323.2/16

Left Out: 0.006 $\pm$ 0.000 χ^2/NDF : 193279.3/10

Right Out: 0.006 $\pm$ 0.000 χ^2/NDF : 227292.5/19

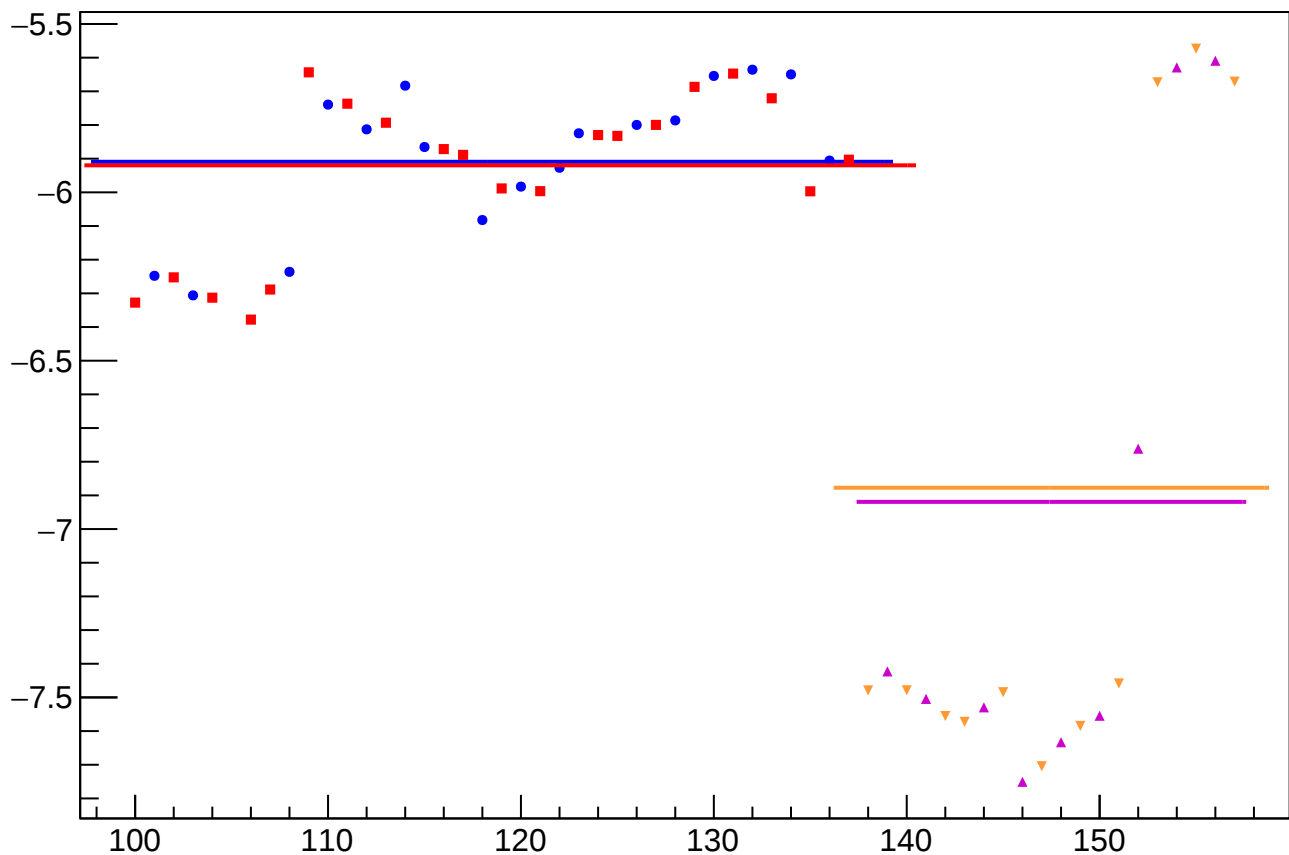
Left In: 0.006 $\pm$ 0.000 χ^2/NDF : 258592.8/8

0.006 $\pm$ 0.000 χ^2/NDF : 447473.7/27

0.006 $\pm$ 0.000 χ^2/NDF : 942057.3/56

0.006 $\pm$ 0.000 χ^2/NDF : 494263.2/28

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -6.877+/-0.000 χ^2/NDF : 85285771357.6/10

Right Out: -5.920+/-0.000 χ^2/NDF : 12786104538.4/19

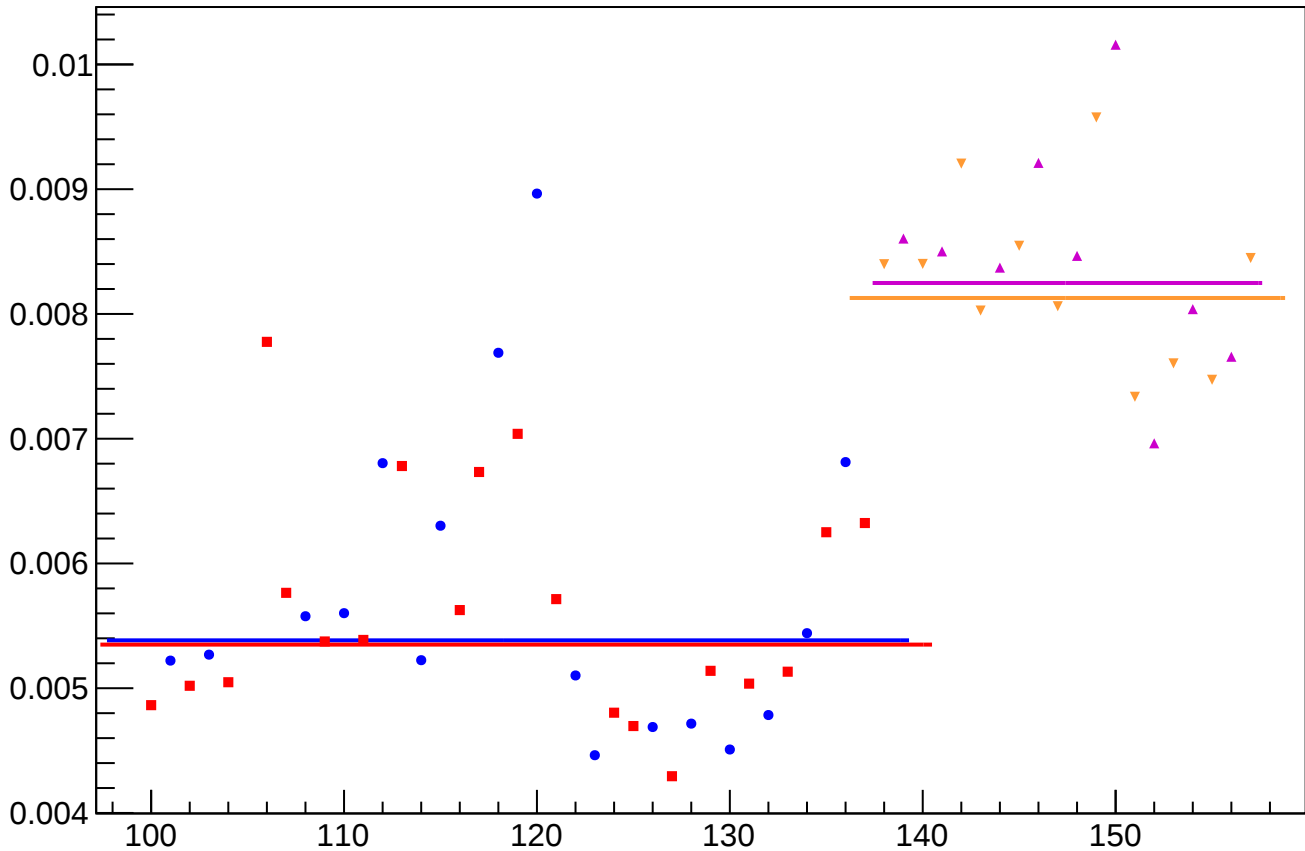
Left In: -6.919+/-0.000 χ^2/NDF : 63913347295.1/8

-6.237+/-0.000 χ^2/NDF : 160628789180.7/27

-6.225+/-0.000 χ^2/NDF : 302933787234.0

-6.213+/-0.000 χ^2/NDF : 142210712754.4/28

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 347627.8/16

Left Out: 0.008+/-0.000 χ^2/NDF : 82207.5/10

Right Out: 0.005+/-0.000 χ^2/NDF : 247999.6/19

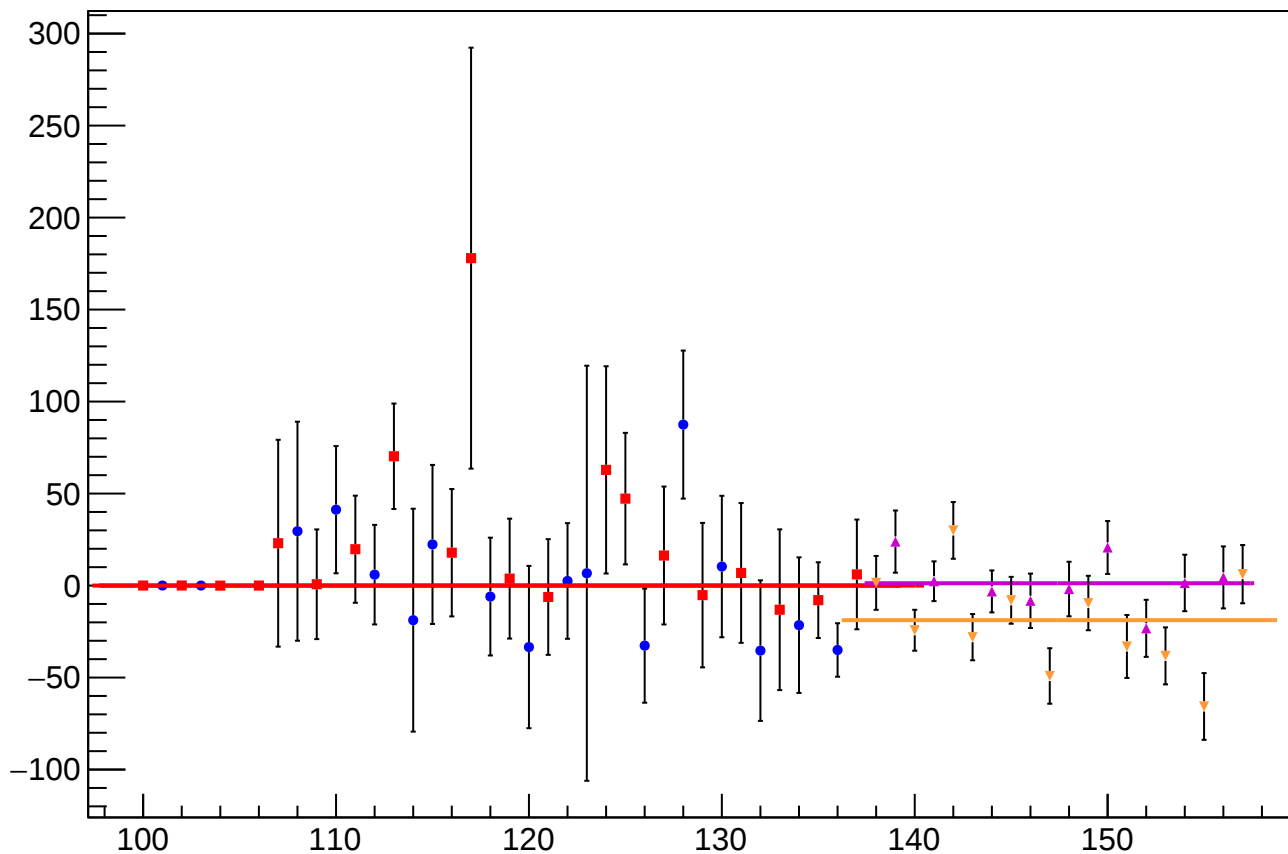
Left In: 0.008+/-0.000 χ^2/NDF : 129963.9/8

0.006+/-0.000 χ^2/NDF : 1462054.7/27

0.006+/-0.000 χ^2/NDF : 2946149.3/56

0.006+/-0.000 χ^2/NDF : 1480006.7/28

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.017 χ^2/NDF : 15.8/16

Left Out: -18.806+/-4.342 χ^2/NDF : 29.3/10

Right Out: -0.003+/-0.016 χ^2/NDF : 17.7/19

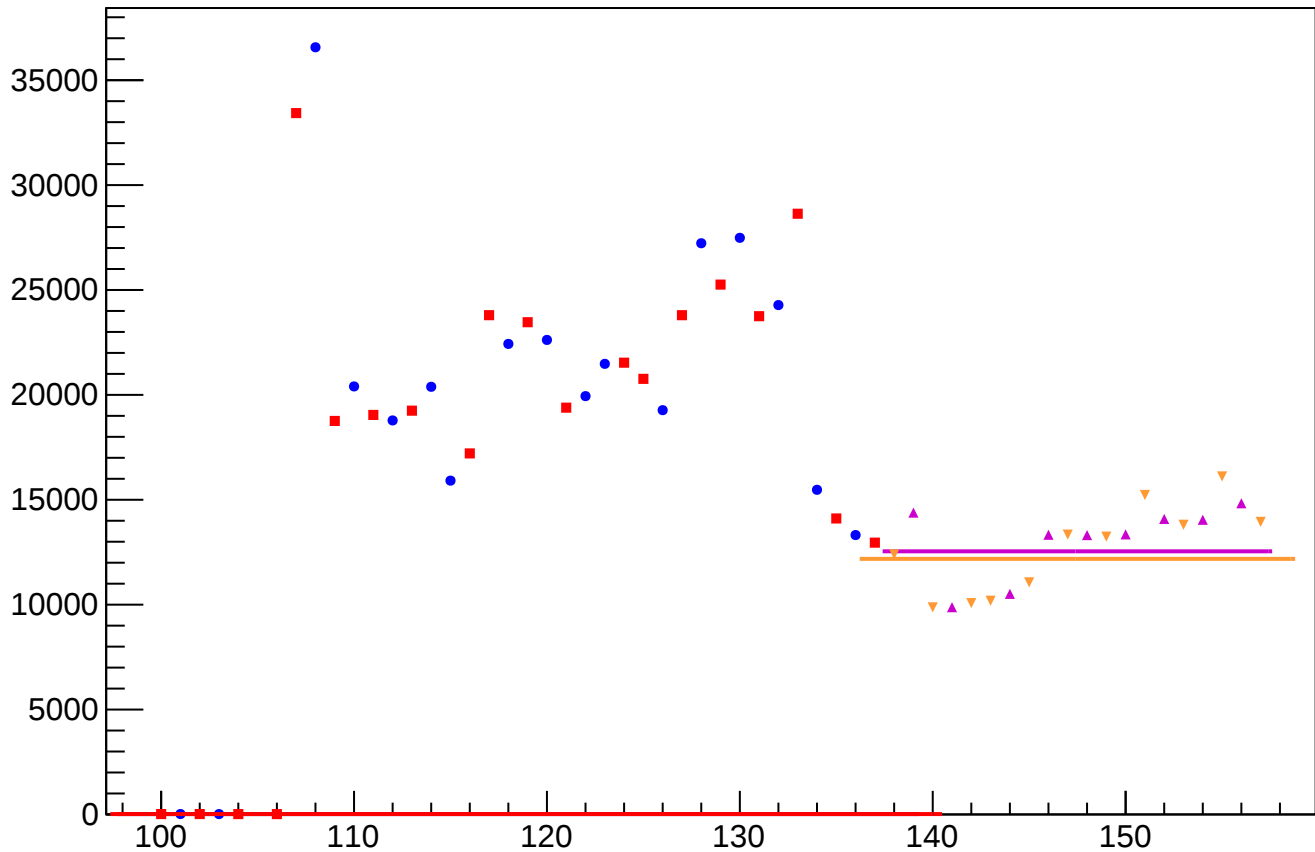
Left In: 1.272+/-4.680 χ^2/NDF : 6.8/8

0.013+/-0.017 χ^2/NDF : 63.9/27

0.004+/-0.012 χ^2/NDF : 88.9/56

-0.003+/-0.016 χ^2/NDF : 24.6/28

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 18.641+/-0.012 χ^2/NDF : 10841561.4/16

Left Out: 12183.091+/-3.070 χ^2/NDF : 416427.8/10

Right Out: 18.312+/-0.011 χ^2/NDF : 11189737.0/19

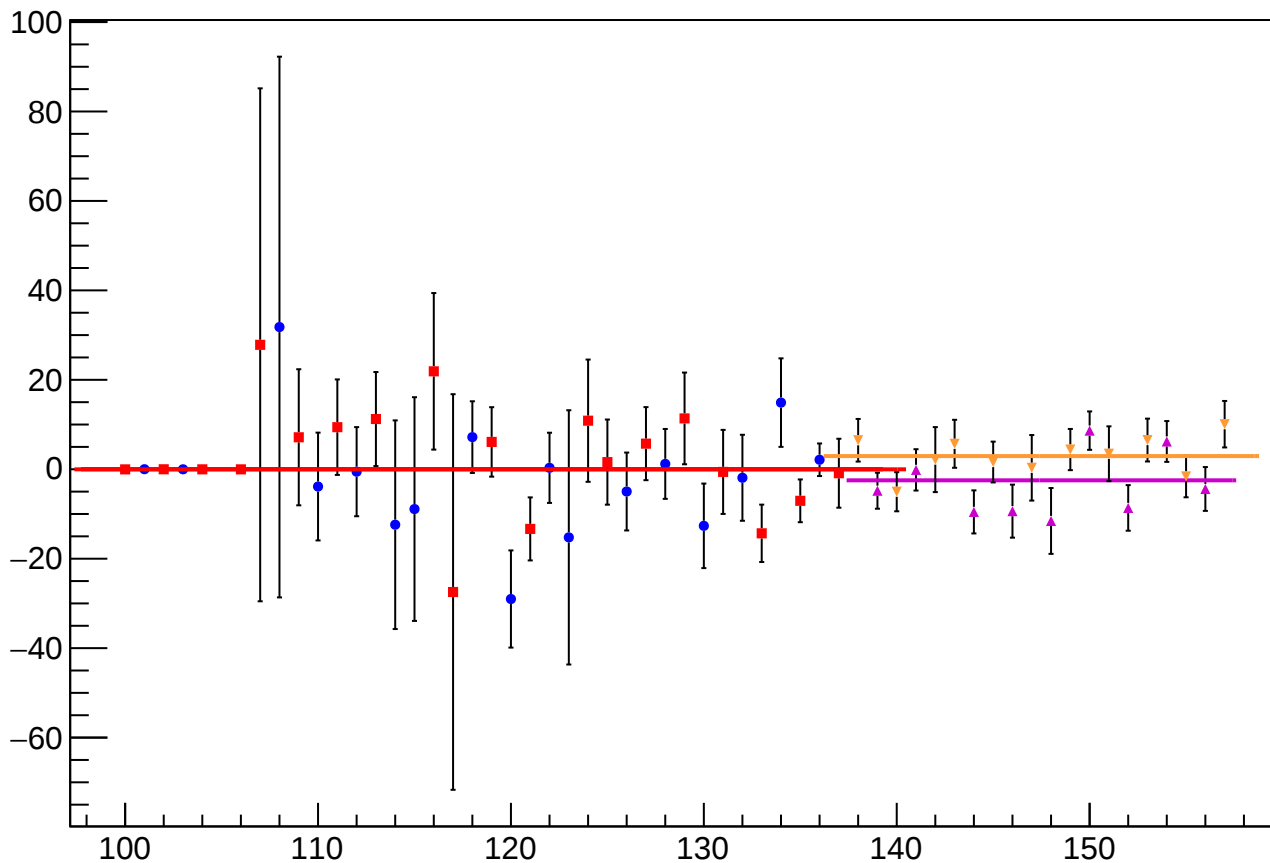
Left In: 12542.840+/-3.309 χ^2/NDF : 302017.3/8

18.835+/-0.012 χ^2/NDF : 26955009.8/27

18.633+/-0.008 χ^2/NDF : 52771335.1/56

18.460+/-0.011 χ^2/NDF : 25815821.6/28

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001 ± 0.009 $\chi^2/\text{NDF}: 14.9/16$

Left Out: 2.948 ± 1.549 $\chi^2/\text{NDF}: 7.9/10$

Right Out: -0.014 ± 0.009 $\chi^2/\text{NDF}: 18.8/19$

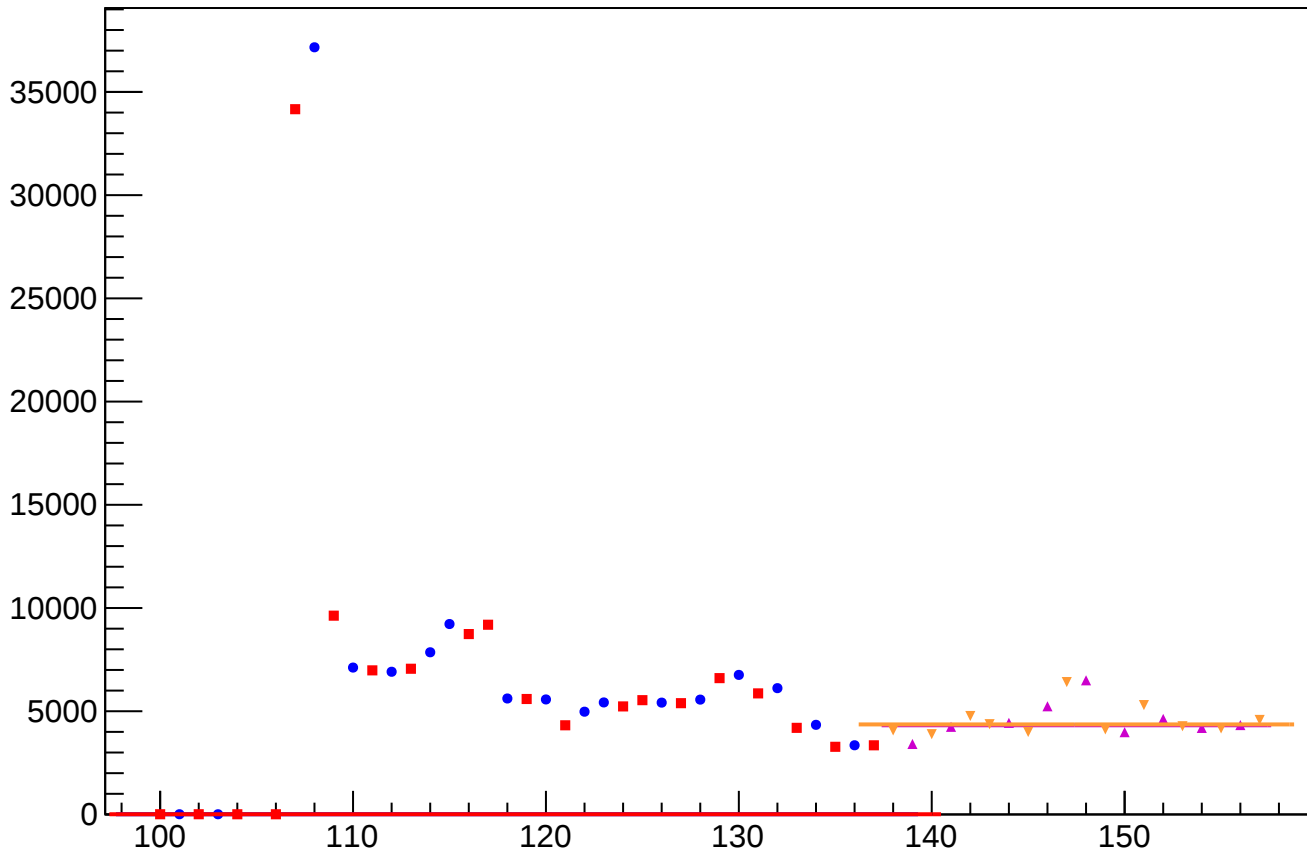
Left In: -2.474 ± 1.620 $\chi^2/\text{NDF}: 17.6/8$

0.001 ± 0.009 $\chi^2/\text{NDF}: 26.4/27$

-0.007 ± 0.006 $\chi^2/\text{NDF}: 66.5/56$

-0.014 ± 0.009 $\chi^2/\text{NDF}: 38.7/28$

diff_cav4bY_rms vs Slug, Sign Corrected



Right In: 9.938+/-0.007 χ^2/NDF : 10973577.1/16

Left Out: 4361.373+/-1.095 χ^2/NDF :266752.3/10

Right Out: 9.855+/-0.006 χ^2/NDF : 11238836.3/19

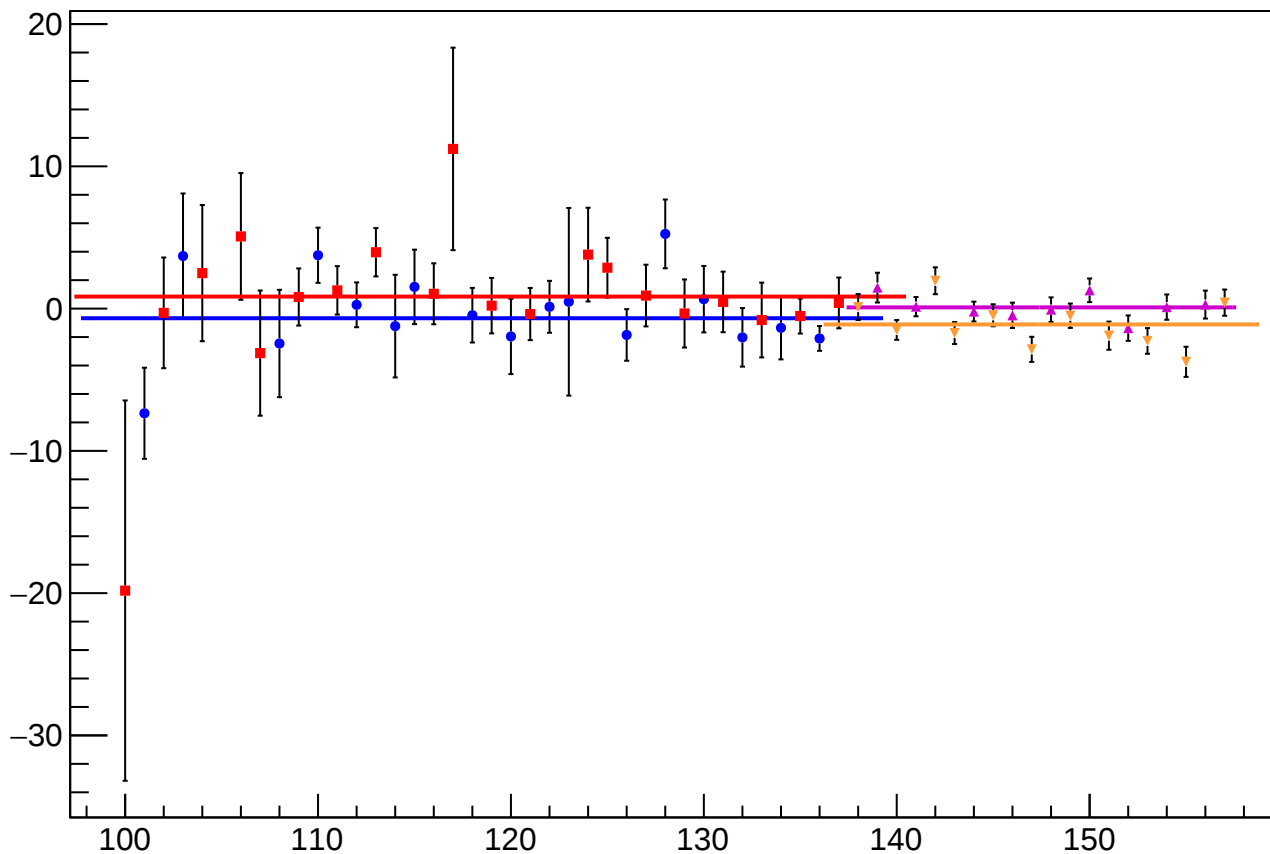
Left In: 4320.352+/-1.146 χ^2/NDF :346934.4/8

10.092+/-0.007 χ^2/NDF : 27032520.5/27

10.031 $\pm$ 0.004 χ^2/NDF : 52773635.2/56

9.977+/-0.006 χ^2/NDF : 25740951.2/28

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.677 $\pm$ 0.484 χ^2/NDF : 22.3/16

Left Out: -1.114 $\pm$ 0.261 χ^2/NDF : 29.6/10

Right Out: 0.846 $\pm$ 0.500 χ^2/NDF : 14.1/19

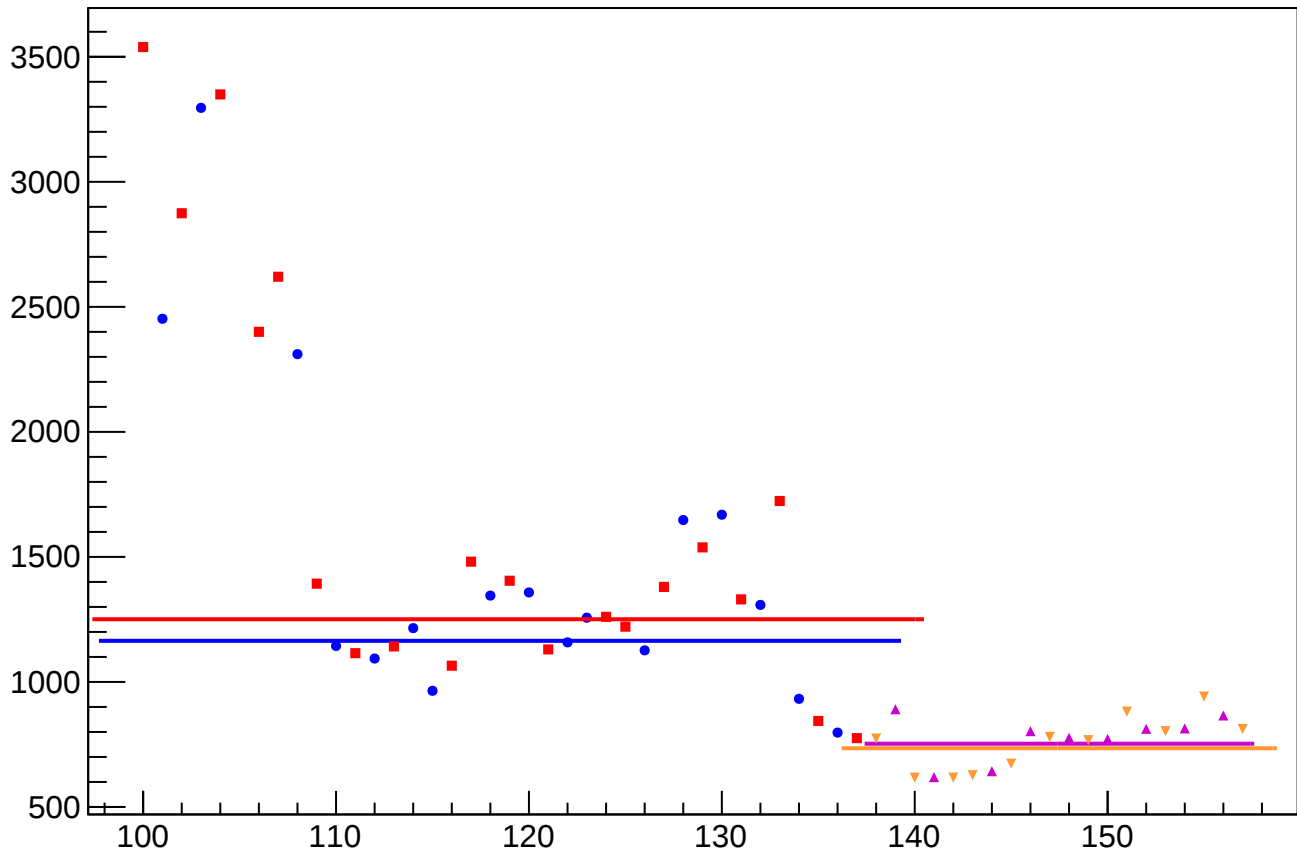
Left In: 0.087 $\pm$ 0.280 χ^2/NDF : 7.2/8

-1.015 $\pm$ 0.230 χ^2/NDF : 52.5/27

-0.414 $\pm$ 0.167 χ^2/NDF : 90.2/56

0.268 $\pm$ 0.244 χ^2/NDF : 23.0/28

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1164.459 $\pm$ 0.342 χ^2/NDF : 1584212.9/16

Left Out: 734.808 $\pm$ 0.184 χ^2/NDF : 297287.9/10

Right Out: 1250.738 $\pm$ 0.354 χ^2/NDF : 1652238.9/19

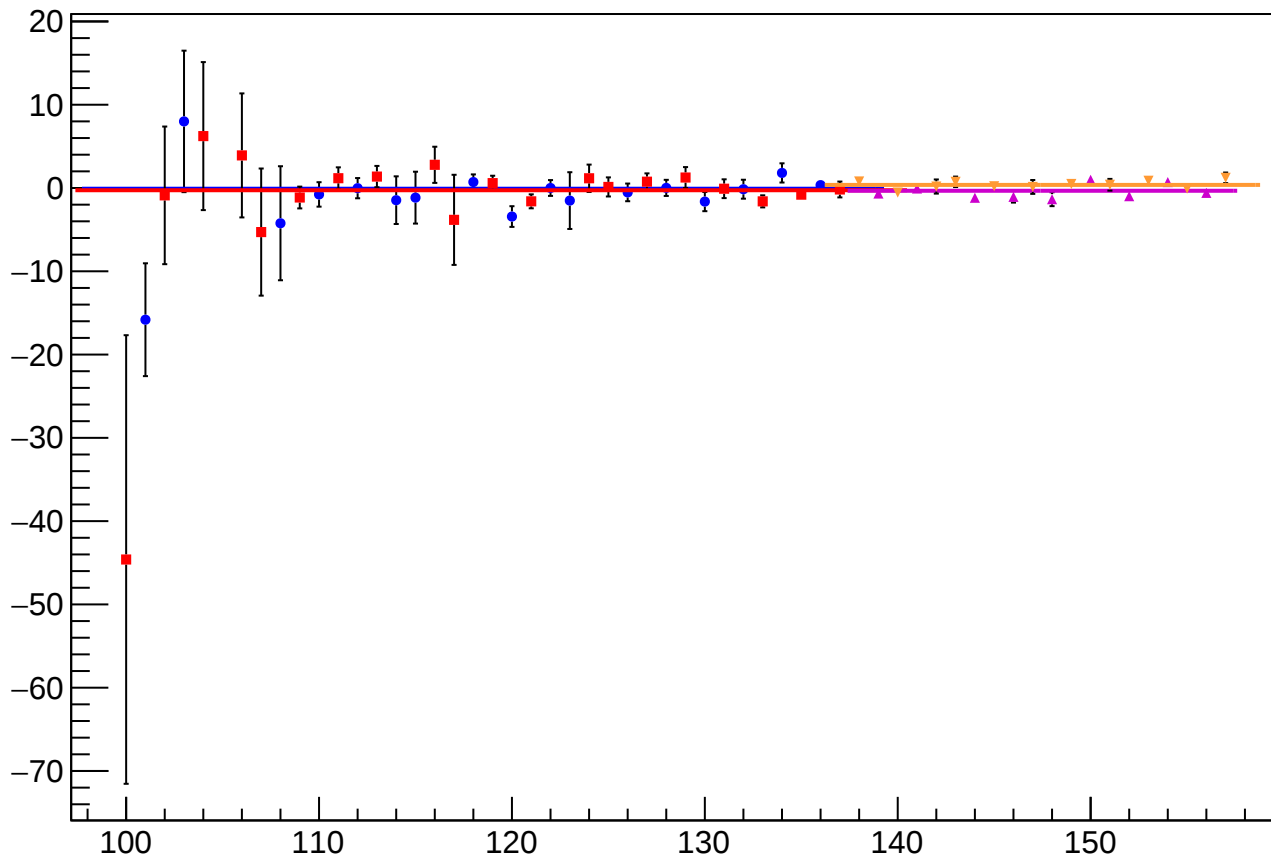
Left In: 753.001 $\pm$ 0.198 χ^2/NDF : 216030.7/8

831.416 $\pm$ 0.162 χ^2/NDF : 3102481.4/27

850.359 $\pm$ 0.118 χ^2/NDF : 6508318.2/56

871.814 $\pm$ 0.173 χ^2/NDF : 3376794.8/28

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

Left Out: 0.373 ± 0.184 χ^2/NDF : 7.5/10

Right Out: -0.268 ± 0.264 χ^2/NDF : 20.9/19

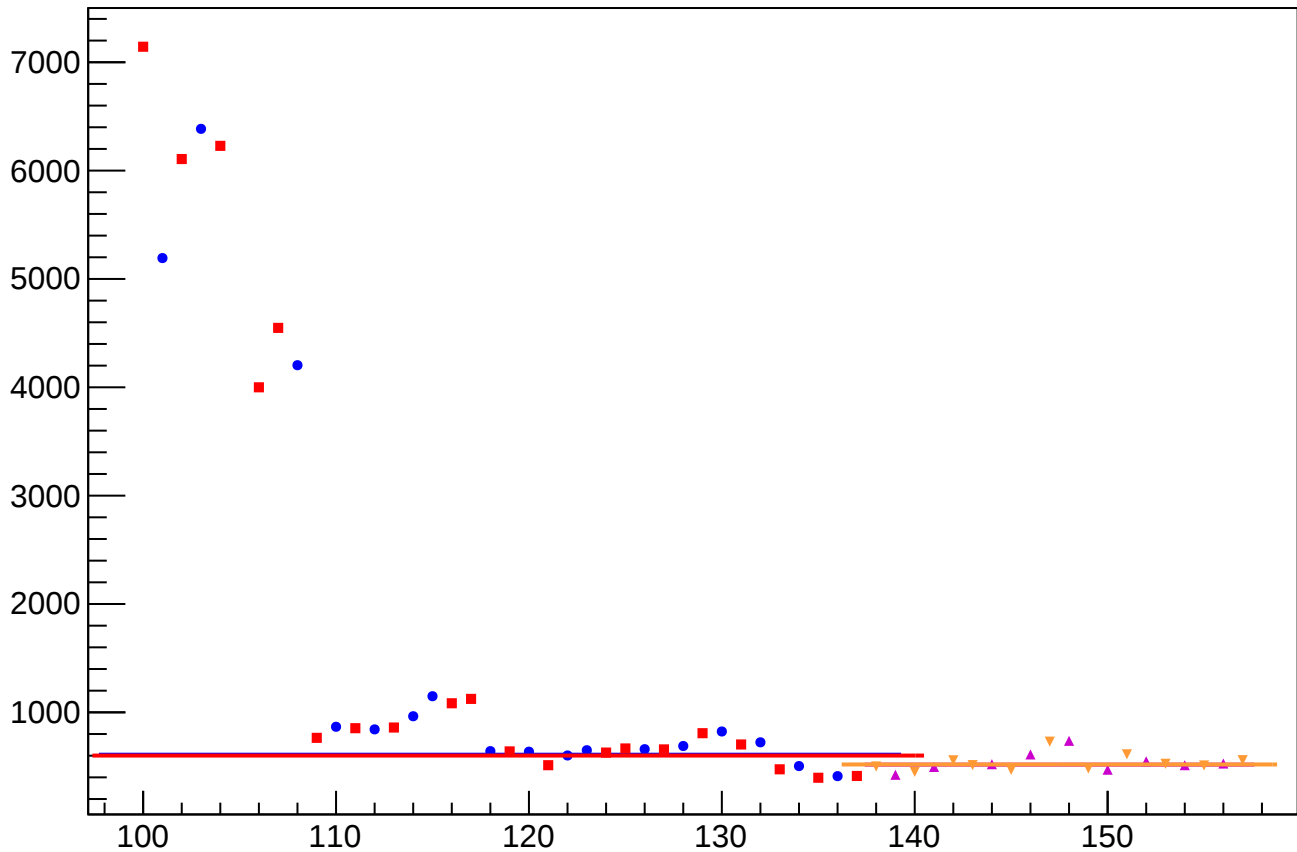
Left In: -0.332 ± 0.193 χ^2/NDF : 17.1/8

0.227 ± 0.152 χ^2/NDF : 30.6/27

-0.034 ± 0.109 χ^2/NDF : 74.7/56

-0.310 ± 0.156 χ^2/NDF : 38.0/28

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 609.016+/-0.191 χ^2/NDF : 3139231.5/16

Left Out: 518.840+/-0.130 χ^2/NDF : 241368.1/10

Right Out: 601.159+/-0.187 χ^2/NDF : 3566339.5/19

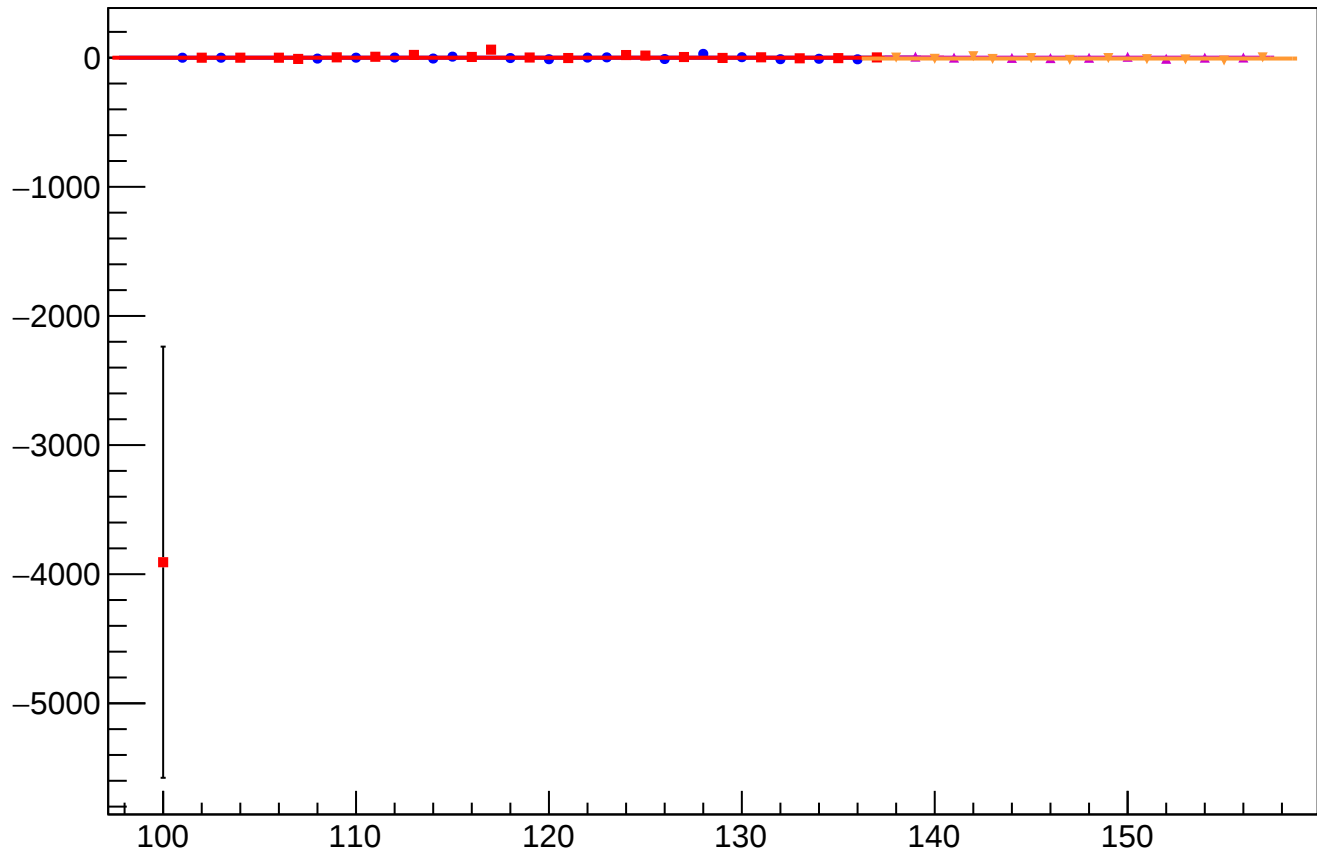
Left In: 517.239+/-0.137 χ^2/NDF : 272531.6/8

547.400+/-0.108 χ^2/NDF : 3532860.8/27

546.979+/-0.077 χ^2/NDF : 7503283.5/56

546.536+/-0.110 χ^2/NDF : 3970391.2/28

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022 ± 0.021 χ^2/NDF : 15.3/16

Left Out: -6.422 ± 1.515 χ^2/NDF : 29.6/10

Right Out: 0.027 ± 0.020 χ^2/NDF : 19.8/19

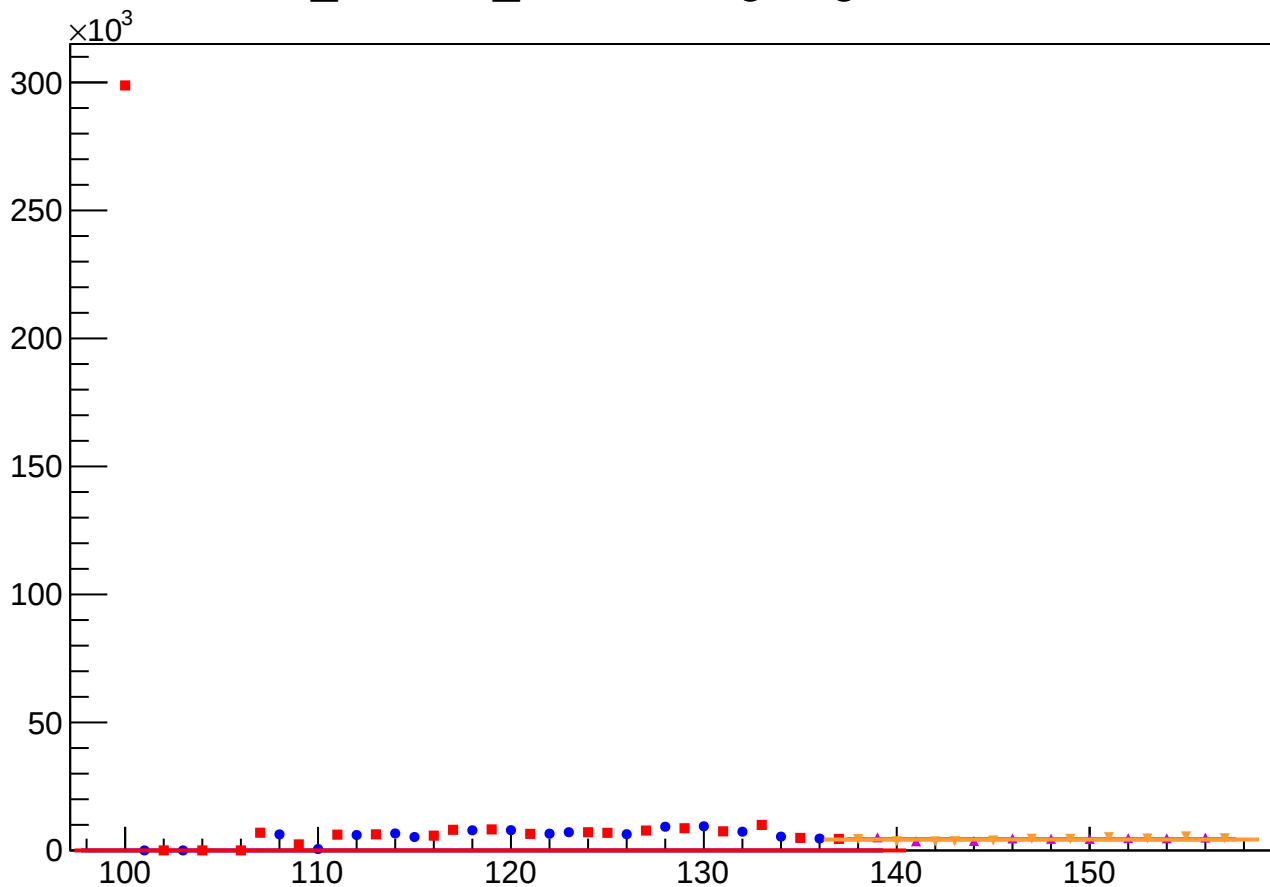
Left In: 0.500 ± 1.631 χ^2/NDF : 7.1/8

-0.023 ± 0.021 χ^2/NDF : 62.8/27

0.003 ± 0.014 χ^2/NDF : 92.8/56

0.027 ± 0.020 χ^2/NDF : 27.0/28

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 17.337 $\pm$ 0.015 χ^2 /NDF: 10359409.4/16

Left Out: 4266.159 $\pm$ 1.071 χ^2 /NDF: 320613.7/10

Right Out: 17.270 $\pm$ 0.014 χ^2 /NDF: 10899577.1/19

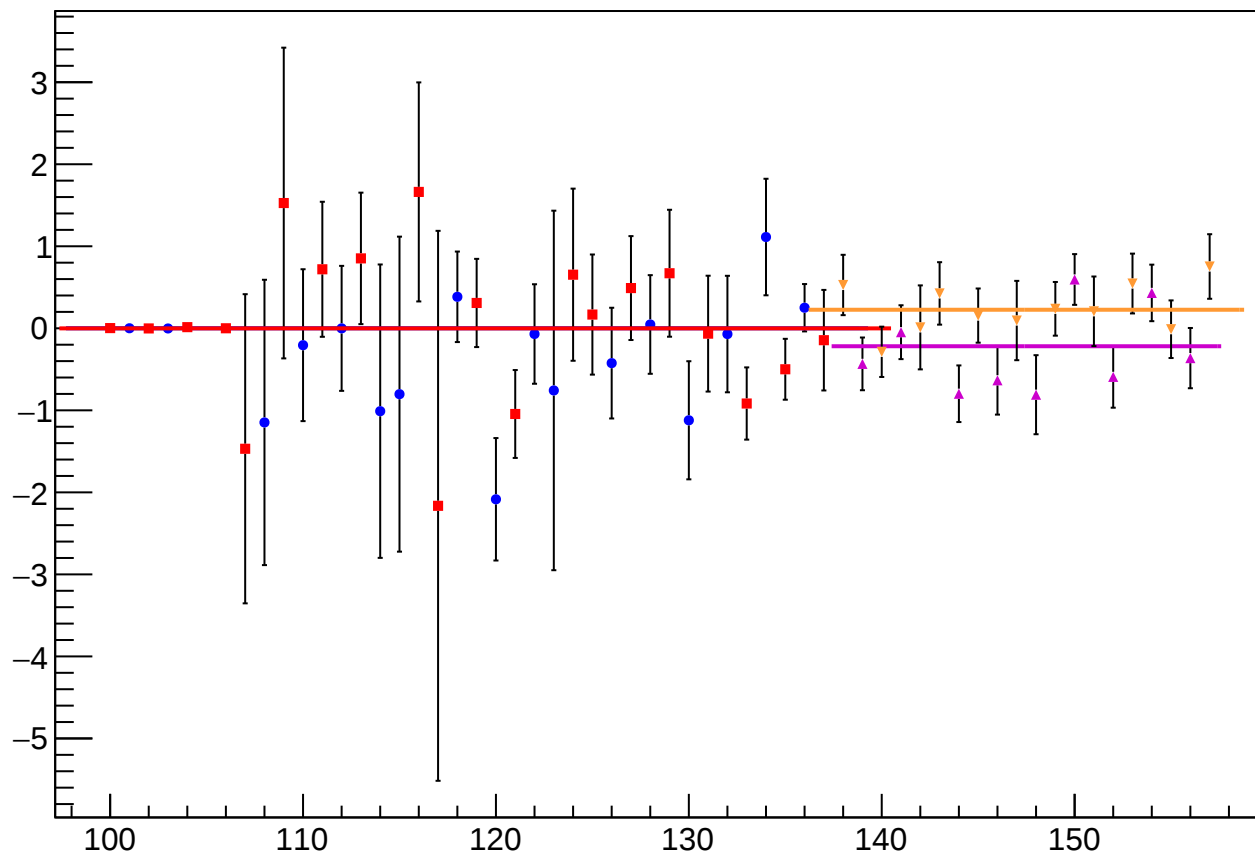
Left In: 4383.271 $\pm$ 1.153 χ^2 /NDF: 228515.2/8

18.137 $\pm$ 0.015 χ^2 /NDF: 26404389.3/27

18.019 $\pm$ 0.010 χ^2 /NDF: 51867496.1/56

17.912 $\pm$ 0.014 χ^2 /NDF: 25462984.2/28

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000 +/- 0.002 χ^2/NDF : 15.6/16

Left Out: 0.226 +/- 0.112 χ^2/NDF : 7.1/10

Right Out: -0.001 +/- 0.002 χ^2/NDF : 18.2/19

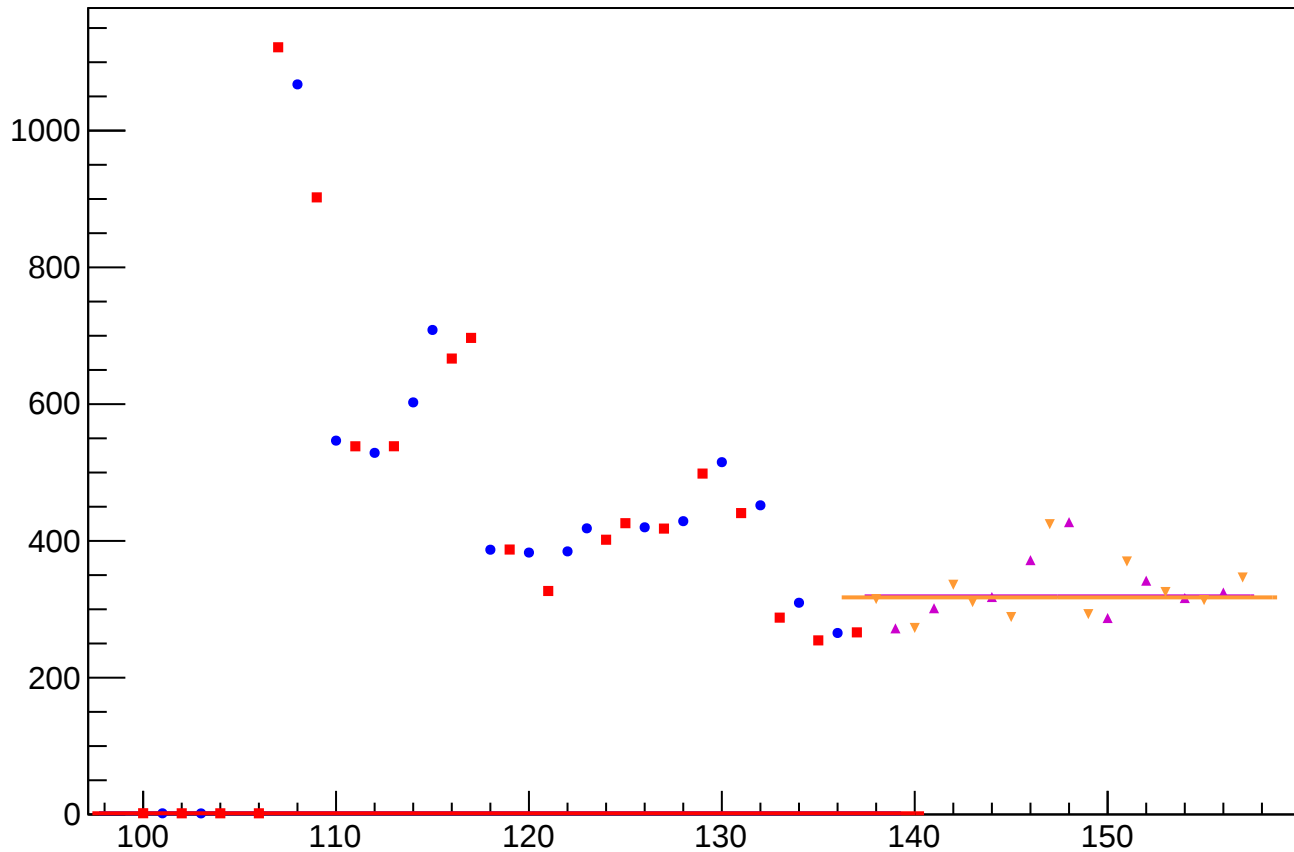
Left In: -0.219 +/- 0.119 χ^2/NDF : 17.6/8

0.000 +/- 0.002 χ^2/NDF : 26.7/27

-0.000 +/- 0.001 χ^2/NDF : 66.1/56

-0.001 +/- 0.002 χ^2/NDF : 39.2/28

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.698+/-0.001 χ^2/NDF : 10911617.0/16

Left Out: 317.428+/-0.079 χ^2/NDF : 212985.6/10

Right Out: 1.729+/-0.001 χ^2/NDF : 10822679.1/19

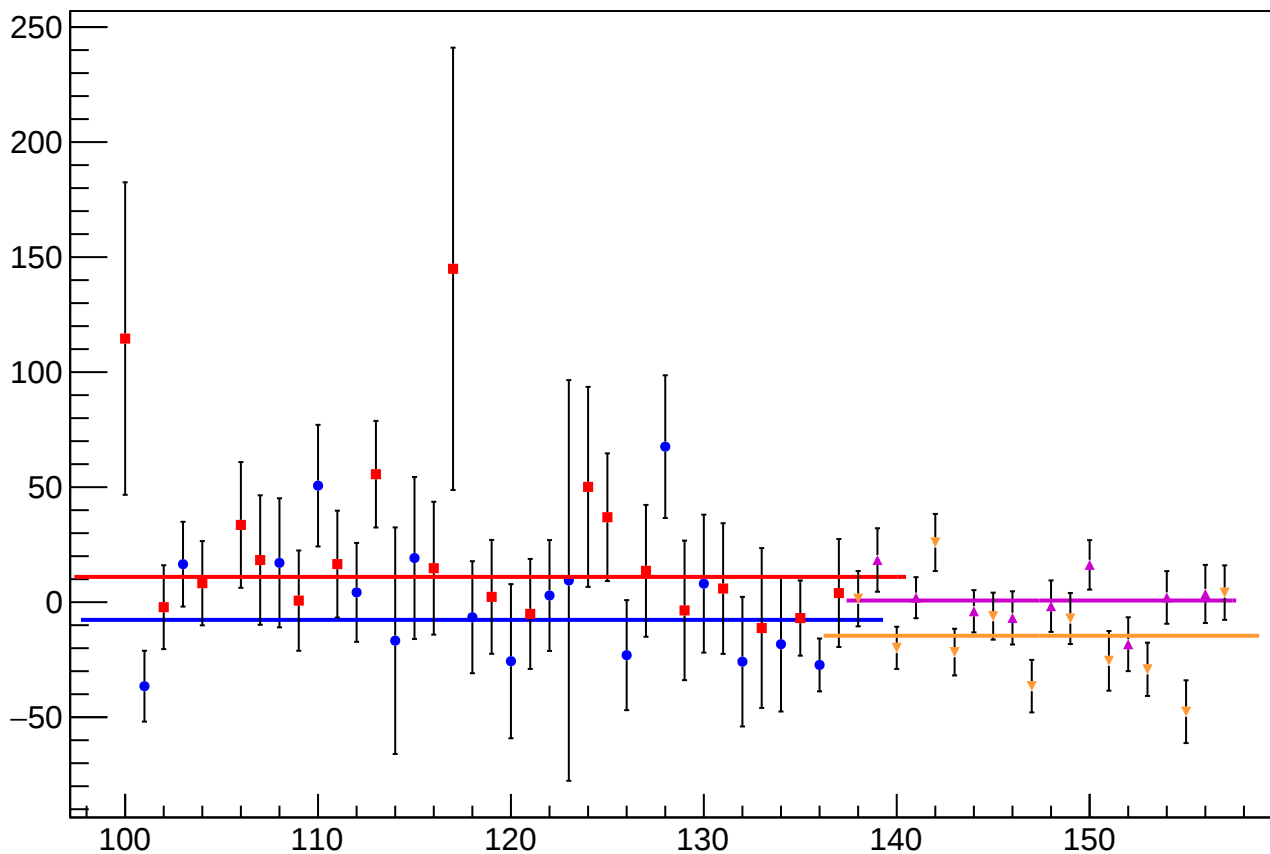
Left In: 318.933+/-0.084 χ^2/NDF : 210441.0/8

1.801+/-0.001 χ^2/NDF : 26903505.9/27

1.807+/-0.001 χ^2/NDF : 52167726.1/56

1.813+/-0.001 χ^2/NDF : 25264183.8/28

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.683 ± 5.627 χ^2/NDF : 22.4/16

Left Out: -14.591 ± 3.404 χ^2/NDF : 28.8/10

Right Out: 10.992 ± 5.672 χ^2/NDF : 13.8/19

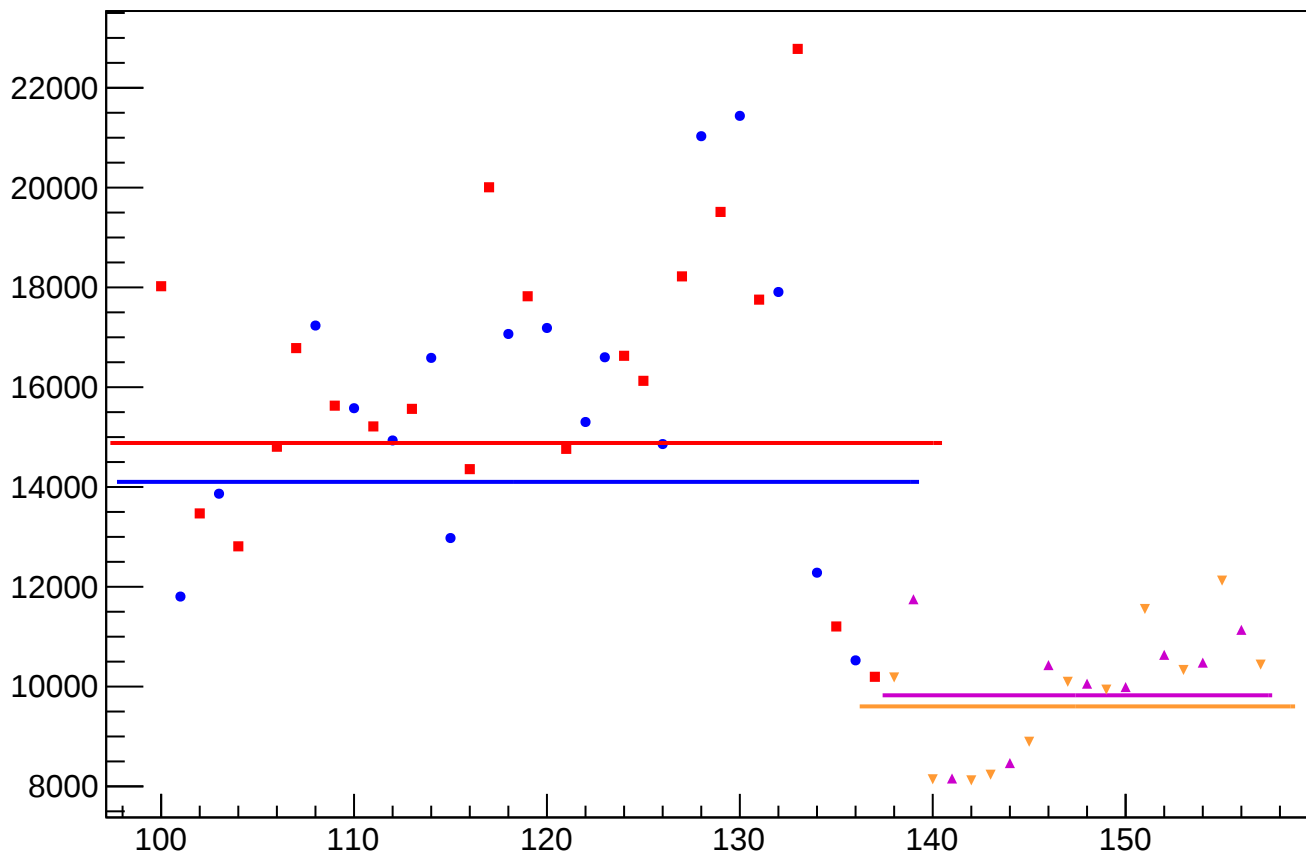
Left In: 0.726 ± 3.651 χ^2/NDF : 7.2/8

-12.740 ± 2.913 χ^2/NDF : 52.2/27

-4.937 ± 2.113 χ^2/NDF : 90.7/56

3.734 ± 3.070 χ^2/NDF : 23.3/28

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14102.522+/-3.979 χ^2/NDF : 598934.8/16

Left Out: 9602.822+/-2.407 χ^2/NDF : 267014.7/10

Right Out: 14882.066+/-4.011 χ^2/NDF : 475983.1/19

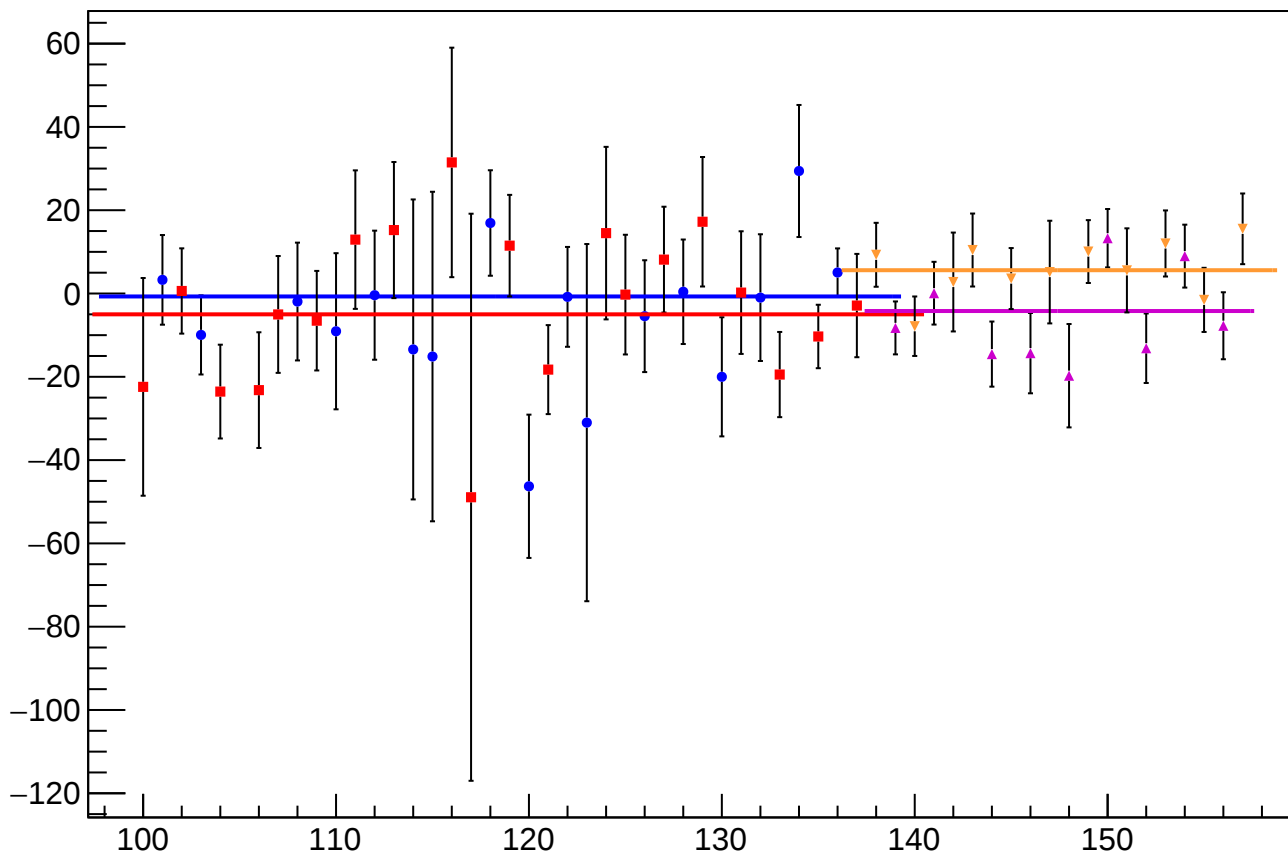
Left In: 9825.186+/-2.582 χ^2/NDF : 197154.7/8

10808.469+/-2.060 χ^2/NDF : 1802126.0/27

11044.500+/-1.494 χ^2/NDF : 3626821.4/5

11306.745+/-2.171 χ^2/NDF : 1796972.0/28

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.708 ± 3.084 $\chi^2/\text{NDF}: 17.6/16$

Left Out: 5.594 ± 2.532 $\chi^2/\text{NDF}: 7.5/10$

Right Out: -5.000 ± 2.937 $\chi^2/\text{NDF}: 20.2/19$

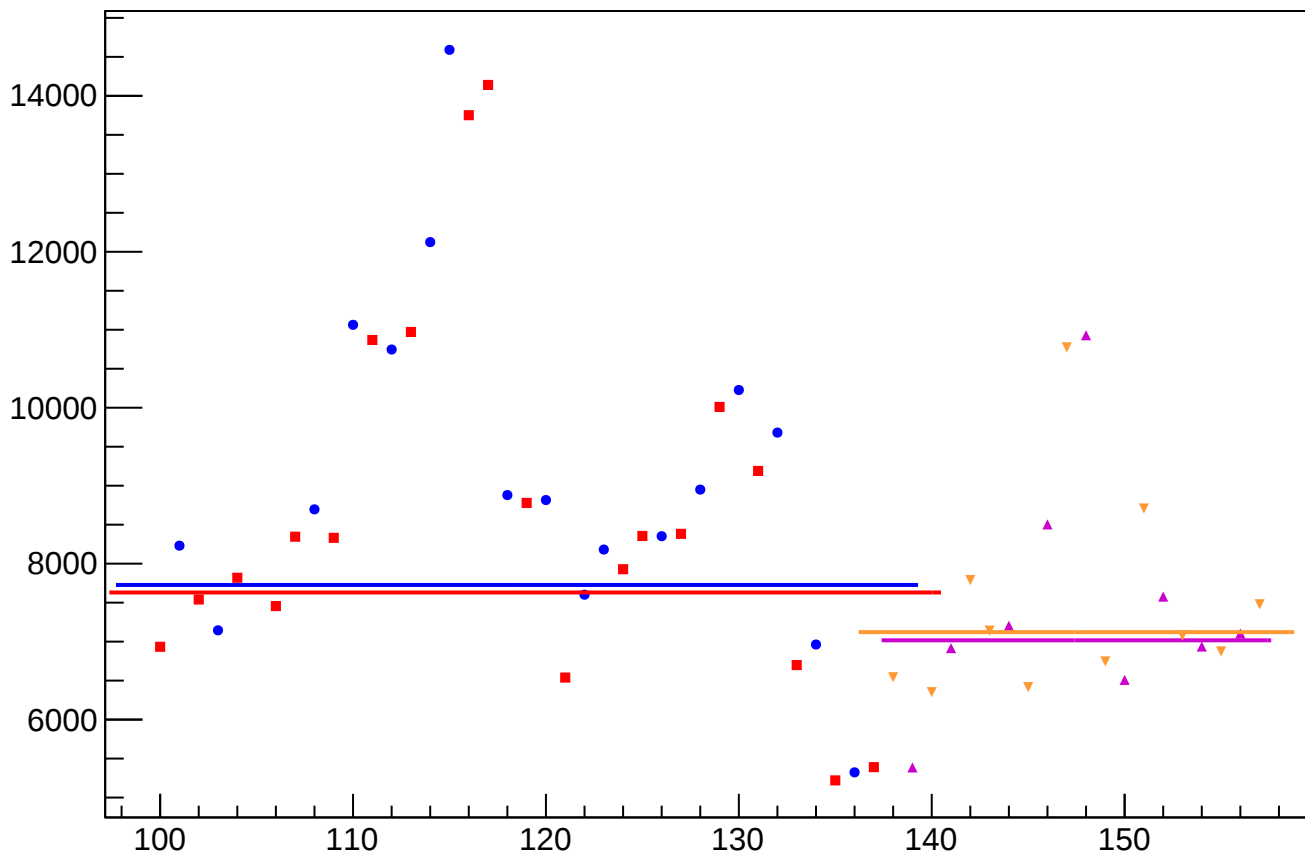
Left In: -4.206 ± 2.638 $\chi^2/\text{NDF}: 15.7/8$

3.056 ± 1.957 $\chi^2/\text{NDF}: 27.5/27$

-0.742 ± 1.386 $\chi^2/\text{NDF}: 71.0/56$

-4.561 ± 1.963 $\chi^2/\text{NDF}: 36.0/28$

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7726.745 $\pm$ 2.180 χ^2 /NDF: 742512.8/16

Left Out: 7121.709 $\pm$ 1.791 χ^2 /NDF: 295188.2/10

Right Out: 7630.342 $\pm$ 2.077 χ^2 /NDF: 693444.5/19

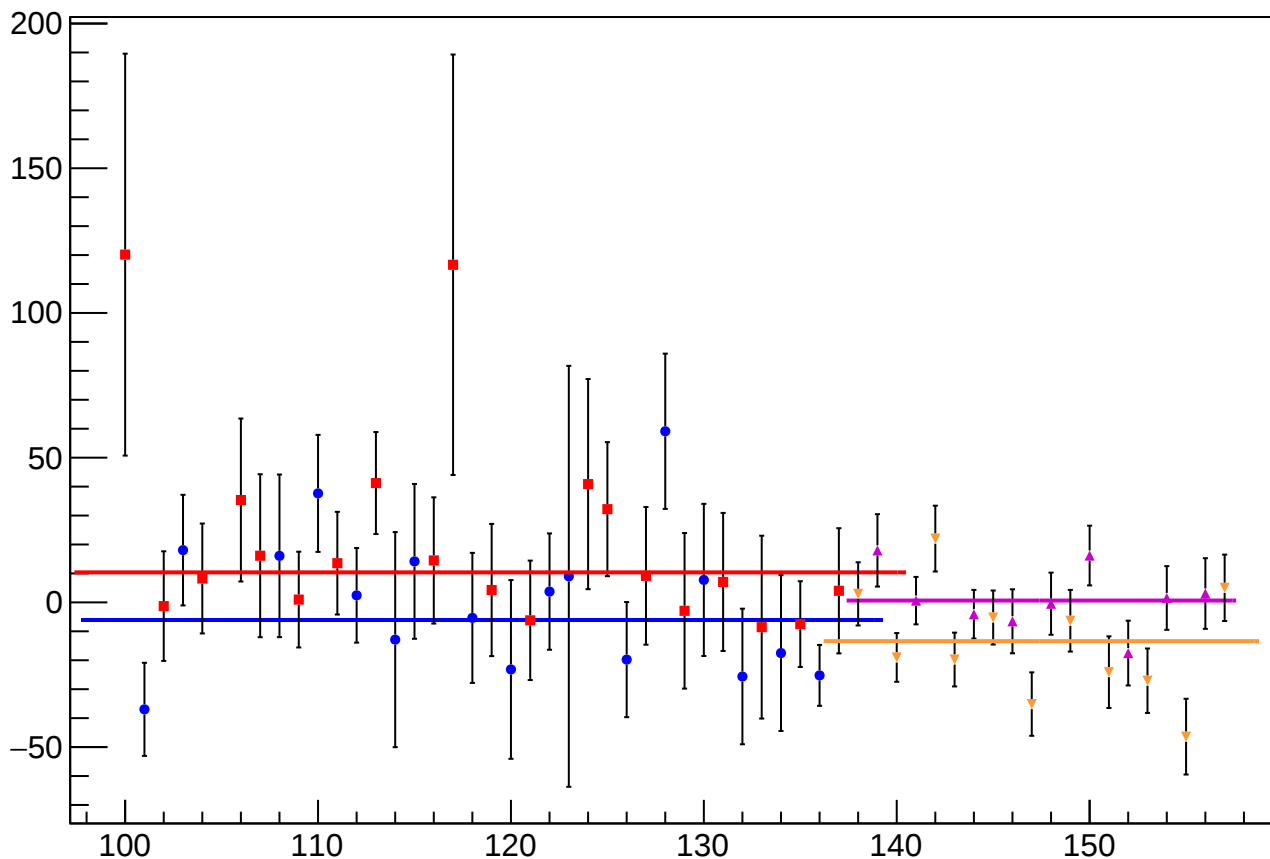
Left In: 7016.847 $\pm$ 1.865 χ^2 /NDF: 399488.4/8

7365.398 $\pm$ 1.384 χ^2 /NDF: 1083689.0/27

7328.210 $\pm$ 0.980 χ^2 /NDF: 2226373.5/56

7290.808 $\pm$ 1.388 χ^2 /NDF: 1141235.8/28

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -6.092 ± 5.034 $\chi^2/\text{NDF}: 22.9/16$

Left Out: -13.398 ± 3.187 $\chi^2/\text{NDF}: 29.2/10$

Right Out: 10.369 ± 4.992 $\chi^2/\text{NDF}: 13.8/19$

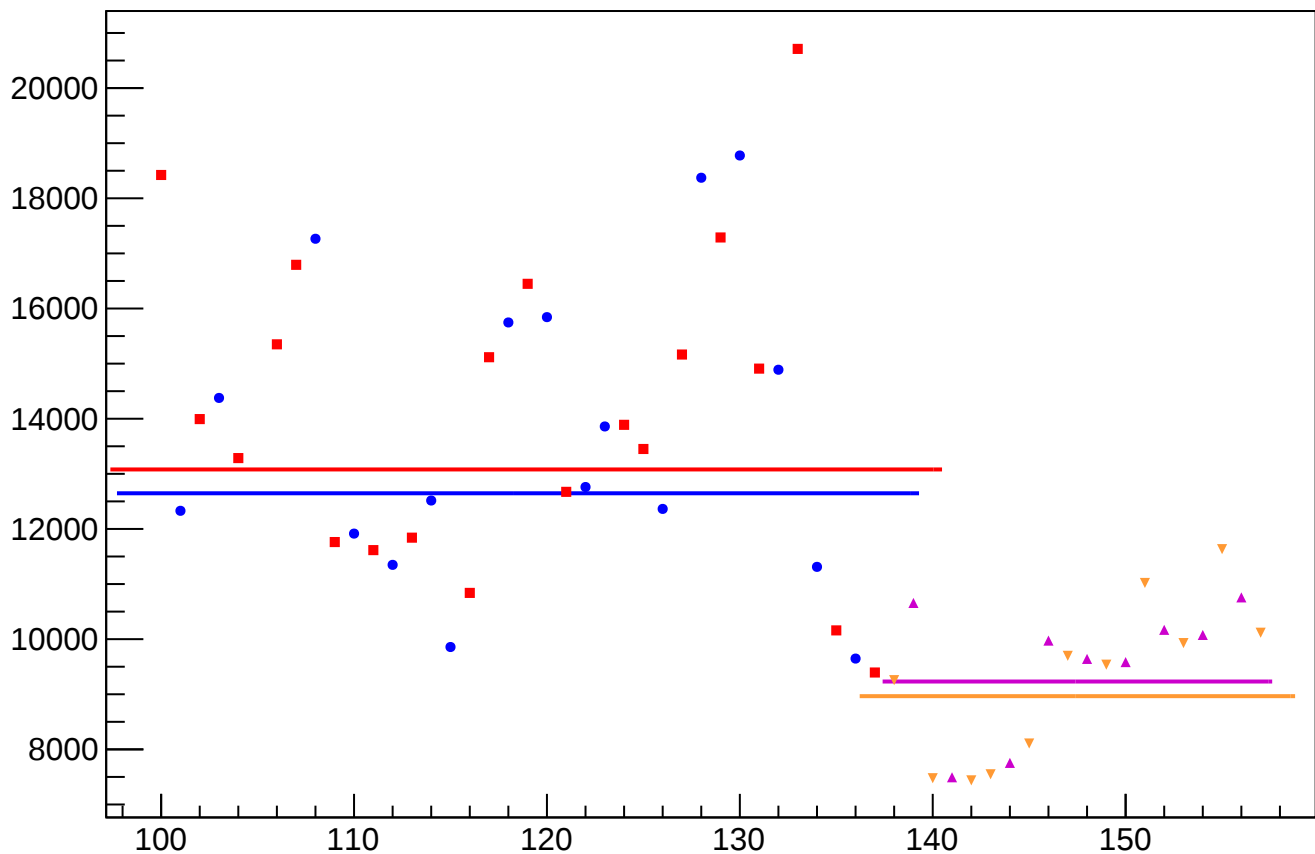
Left In: 0.633 ± 3.437 $\chi^2/\text{NDF}: 7.6/8$

-11.307 ± 2.693 $\chi^2/\text{NDF}: 53.6/27$

-4.147 ± 1.951 $\chi^2/\text{NDF}: 92.5/56$

3.764 ± 2.831 $\chi^2/\text{NDF}: 24.0/28$

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12647.257 $\pm$ 3.559 χ^2/NDF : 554320.4/16

Left Out: 8965.555 $\pm$ 2.254 χ^2/NDF : 351441.8/10

Right Out: 13079.592 $\pm$ 3.530 χ^2/NDF : 497851.1/19

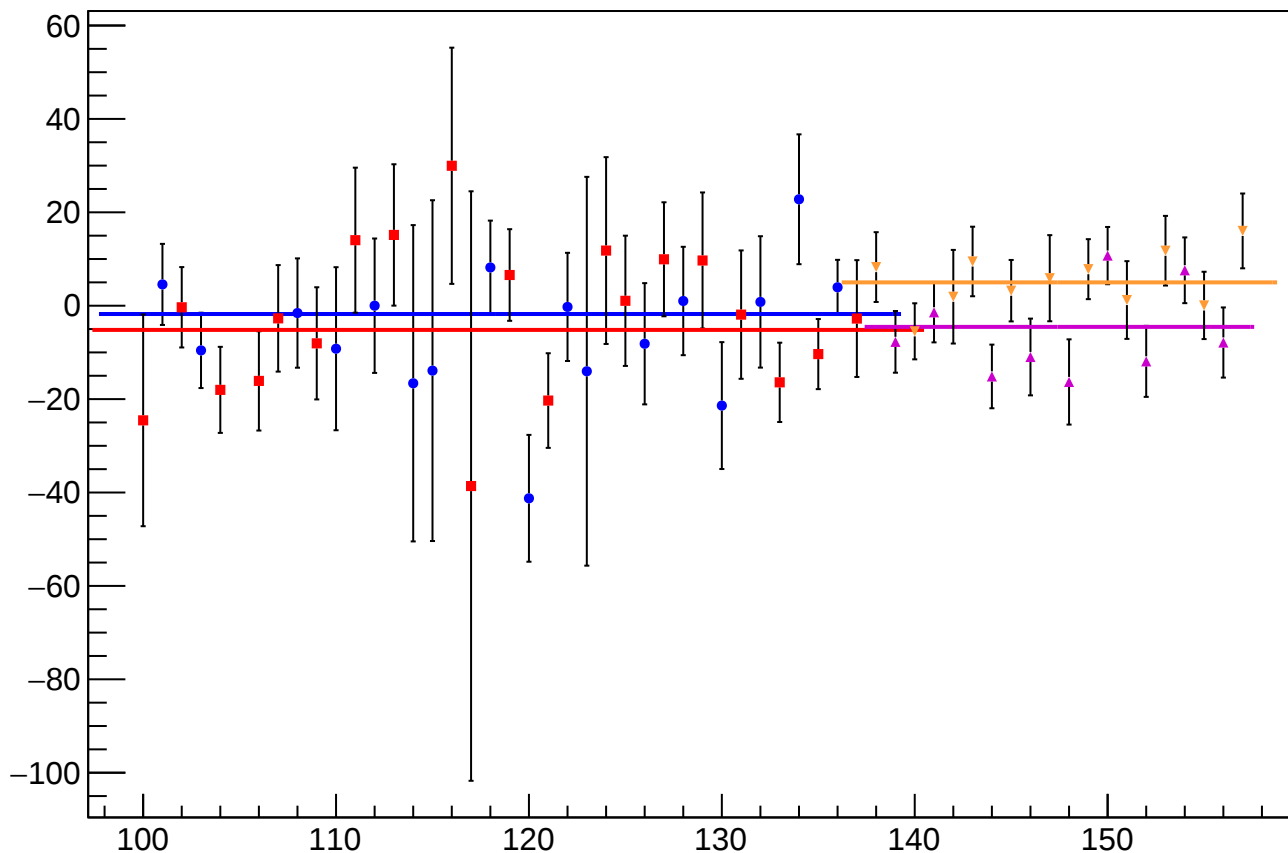
Left In: 9231.325 $\pm$ 2.430 χ^2/NDF : 249086.0/8

10019.278 $\pm$ 1.904 χ^2/NDF : 1669469.9/27

10232.839 $\pm$ 1.380 χ^2/NDF : 3249322.0/5

10468.799 $\pm$ 2.002 χ^2/NDF : 1553376.1/28

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -1.777 $\pm$ 2.806 χ^2/NDF : 18.0/16

Left Out: 4.998 $\pm$ 2.236 χ^2/NDF : 7.4/10

Right Out: -5.181 $\pm$ 2.640 χ^2/NDF : 19.2/19

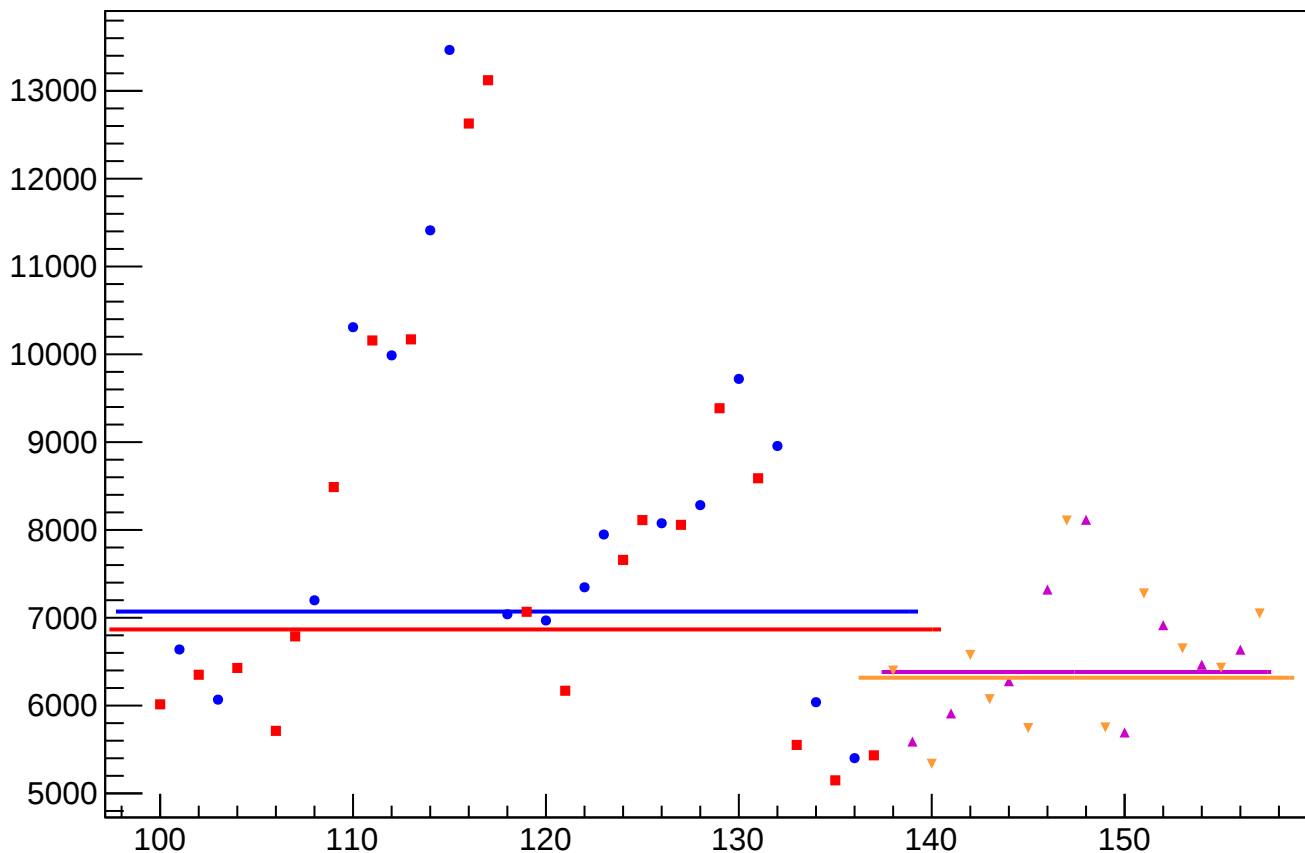
Left In: -4.533 $\pm$ 2.375 χ^2/NDF : 15.5/8

2.367 $\pm$ 1.749 χ^2/NDF : 28.9/27

-1.193 $\pm$ 1.242 χ^2/NDF : 72.0/56

-4.823 $\pm$ 1.766 χ^2/NDF : 34.7/28

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7070.672 ± 1.984 χ^2/NDF : 601692.5/16

Left Out: 6317.165 ± 1.581 χ^2/NDF : 210868.6/10

Right Out: 6867.094 ± 1.866 χ^2/NDF : 701892.5/19

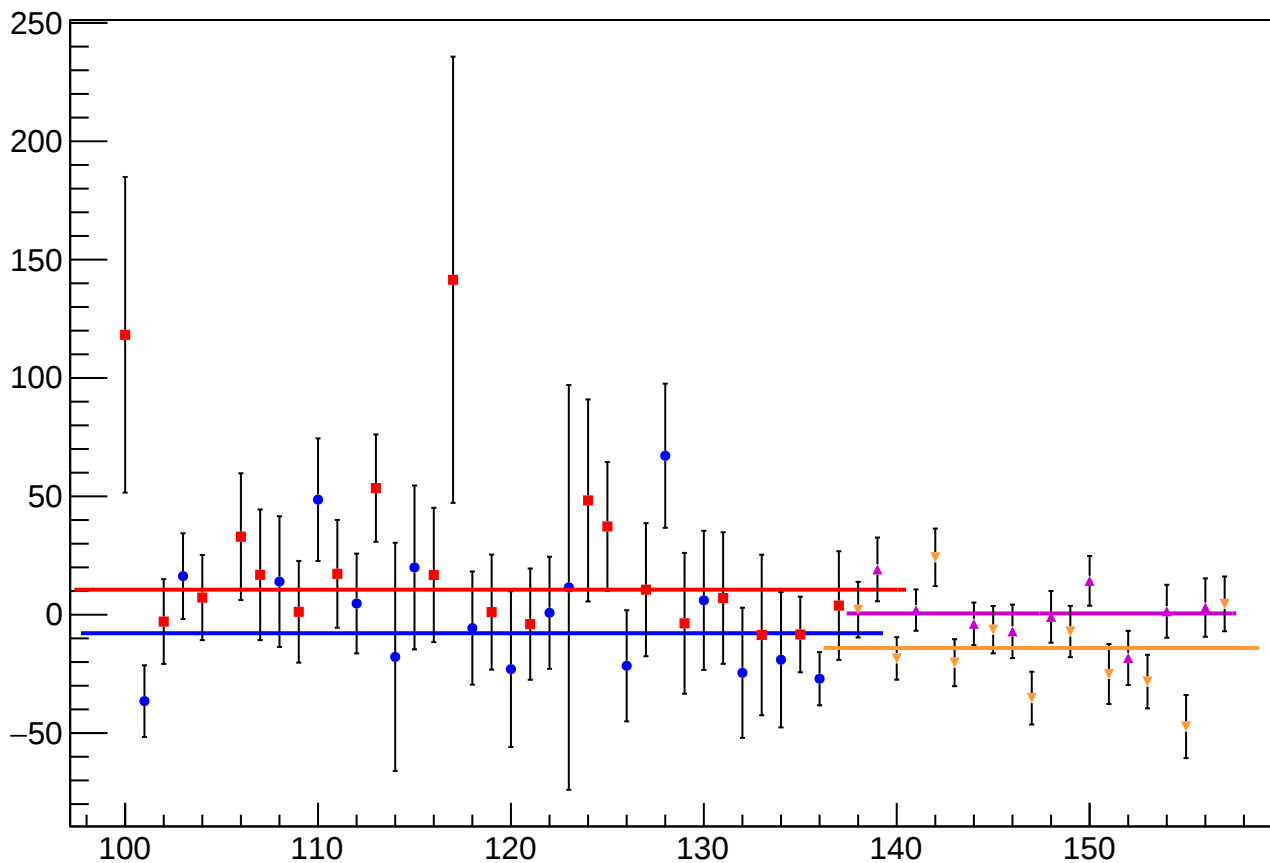
Left In: 6382.633 ± 1.680 χ^2/NDF : 175834.7/8

6609.800 ± 1.236 χ^2/NDF : 900772.3/27

6604.660 ± 0.879 χ^2/NDF : 1815759.1/56

6599.418 ± 1.249 χ^2/NDF : 914951.9/28

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -7.825 $\pm$ 5.516 χ^2/NDF : 22.3/16

Left Out: -14.076 $\pm$ 3.328 χ^2/NDF : 28.2/10

Right Out: 10.574 $\pm$ 5.561 χ^2/NDF : 14.1/19

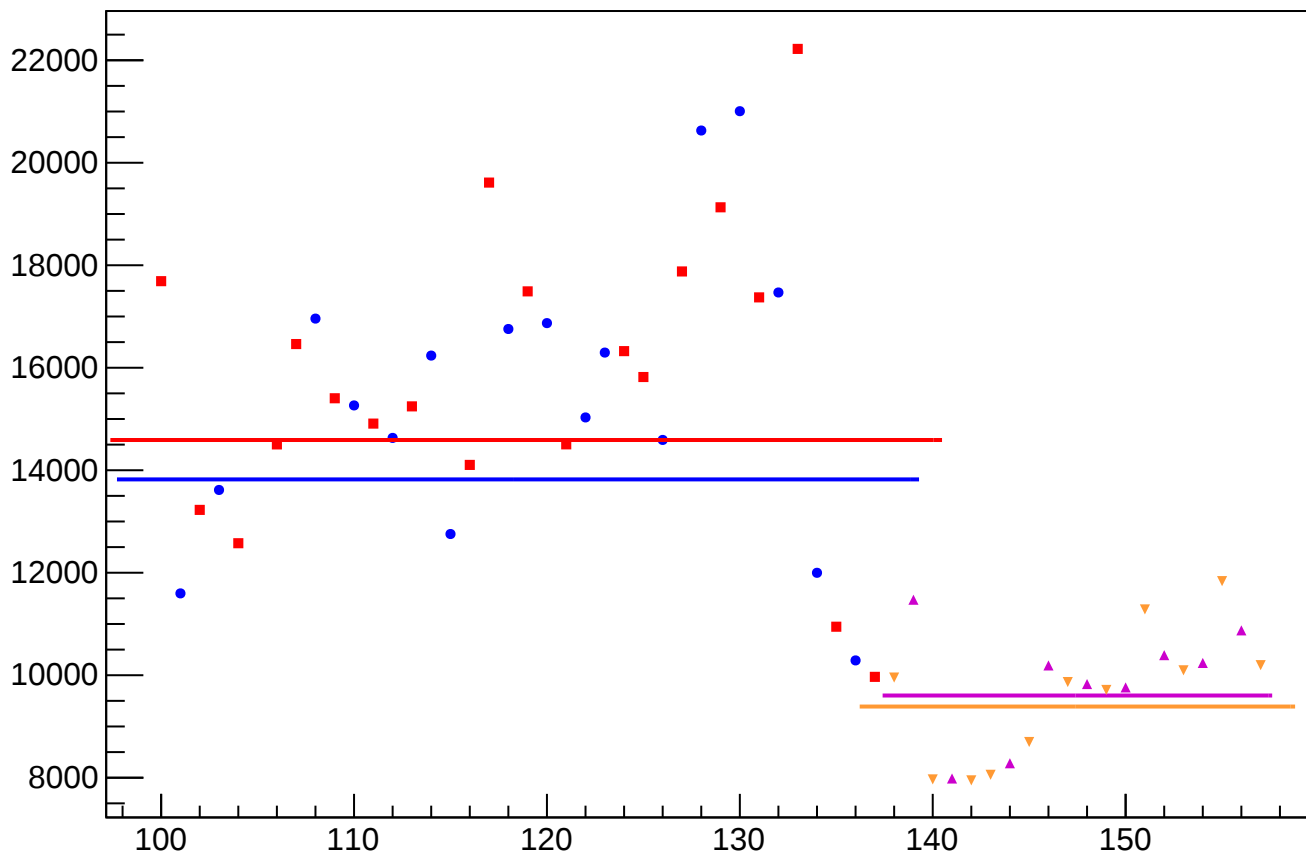
Left In: 0.537 $\pm$ 3.569 χ^2/NDF : 7.1/8

-12.408 $\pm$ 2.850 χ^2/NDF : 51.4/27

-4.889 $\pm$ 2.067 χ^2/NDF : 89.7/56

3.464 $\pm$ 3.004 χ^2/NDF : 23.5/28

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13821.195 $\pm$ 3.900 χ^2 /NDF: 602672.4/16

Left Out: 9388.907 $\pm$ 2.353 χ^2 /NDF: 263795.9/10

Right Out: 14589.989 $\pm$ 3.933 χ^2 /NDF: 478169.1/19

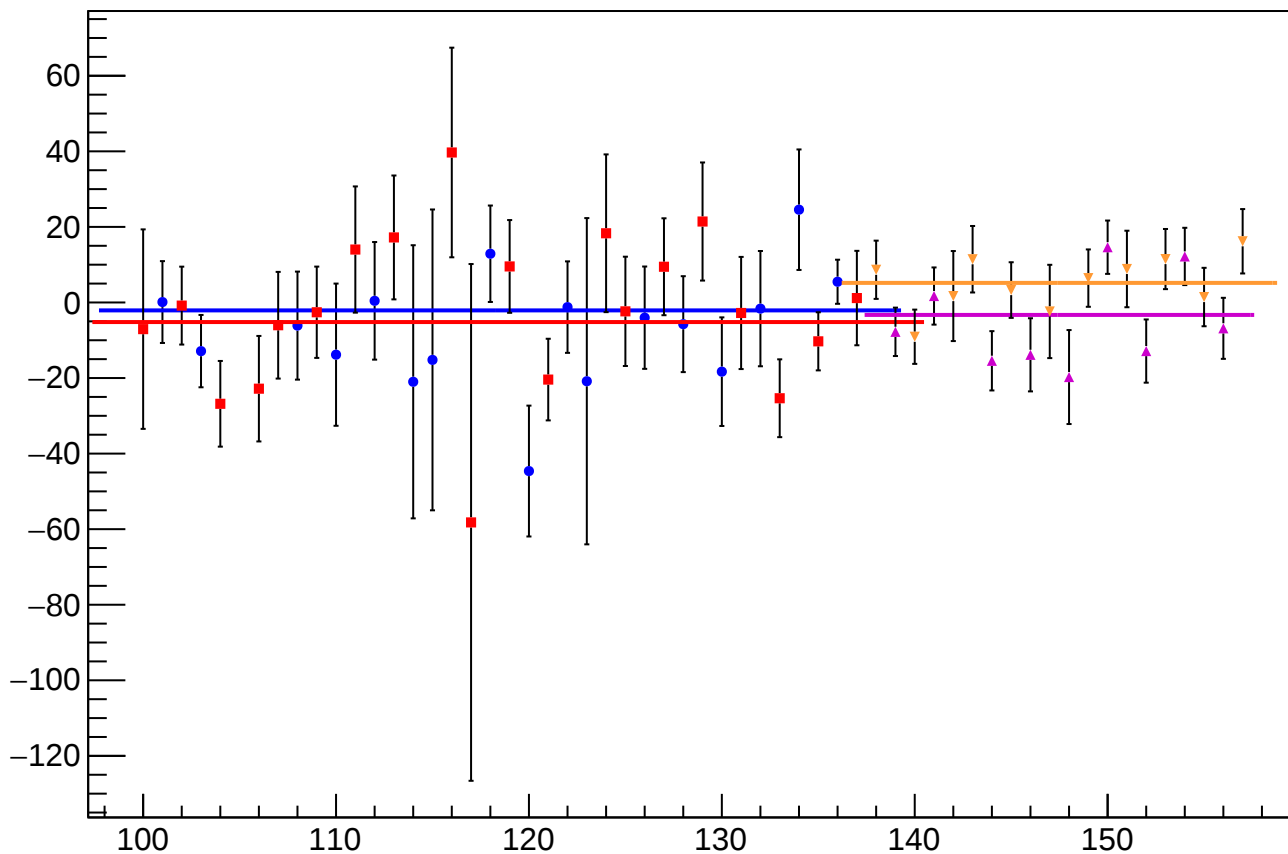
Left In: 9604.191 $\pm$ 2.524 χ^2 /NDF: 194556.5/8

10571.829 $\pm$ 2.015 χ^2 /NDF: 1813242.7/27

10802.343 $\pm$ 1.462 χ^2 /NDF: 3652142.1/5

11058.467 $\pm$ 2.124 χ^2 /NDF: 1811268.3/28

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -2.098 ± 3.106 χ^2/NDF : 15.6/16

Left Out: 5.183 ± 2.543 χ^2/NDF : 7.9/10

Right Out: -5.184 ± 2.959 χ^2/NDF : 25.4/19

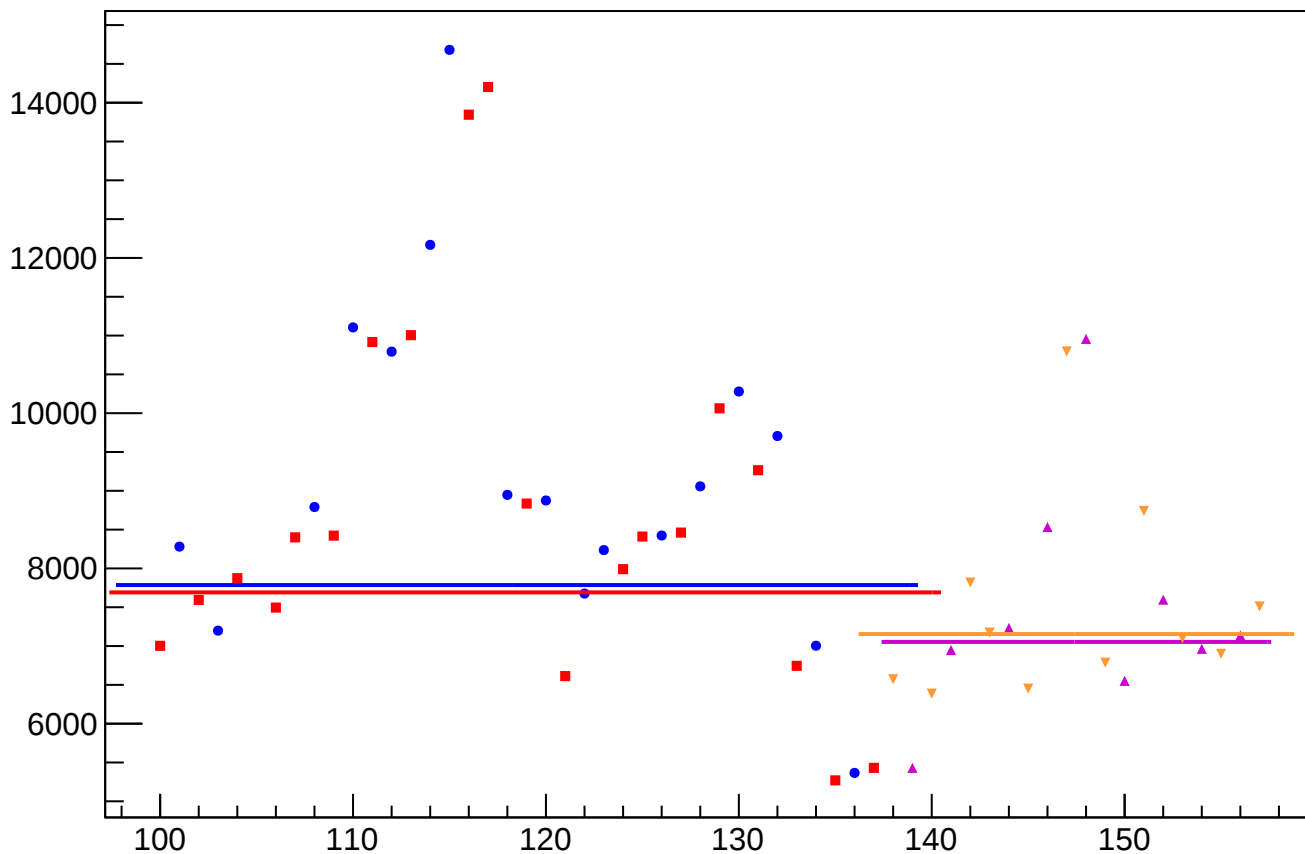
Left In: -3.297 ± 2.651 χ^2/NDF : 18.4/8

2.261 ± 1.968 χ^2/NDF : 26.8/27

-0.927 ± 1.394 χ^2/NDF : 76.0/56

-4.137 ± 1.975 χ^2/NDF : 44.0/28

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7785.931 $\pm$ 2.197 χ^2 /NDF: 738101.9/16

Left Out: 7154.634 $\pm$ 1.798 χ^2 /NDF: 292163.7/10

Right Out: 7691.398 $\pm$ 2.093 χ^2 /NDF: 686898.9/19

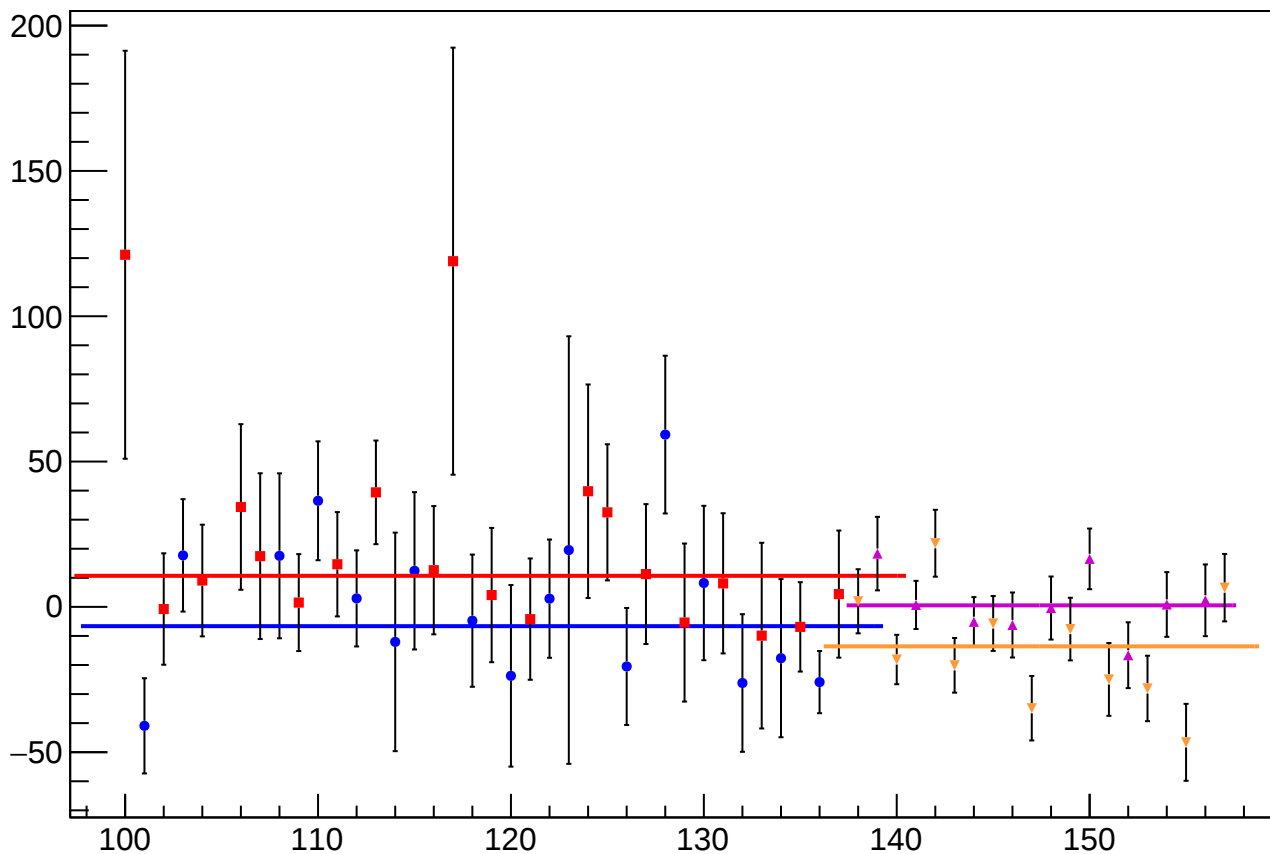
Left In: 7053.431 $\pm$ 1.874 χ^2 /NDF: 392696.1/8

7407.983 $\pm$ 1.392 χ^2 /NDF: 1079714.9/27

7372.824 $\pm$ 0.986 χ^2 /NDF: 2212158.8/56

7337.428 $\pm$ 1.396 χ^2 /NDF: 1131162.8/28

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -6.634 ± 5.101 χ^2/NDF : 23.4/16

Left Out: -13.580 ± 3.222 χ^2/NDF : 28.7/10

Right Out: 10.688 ± 5.063 χ^2/NDF : 13.0/19

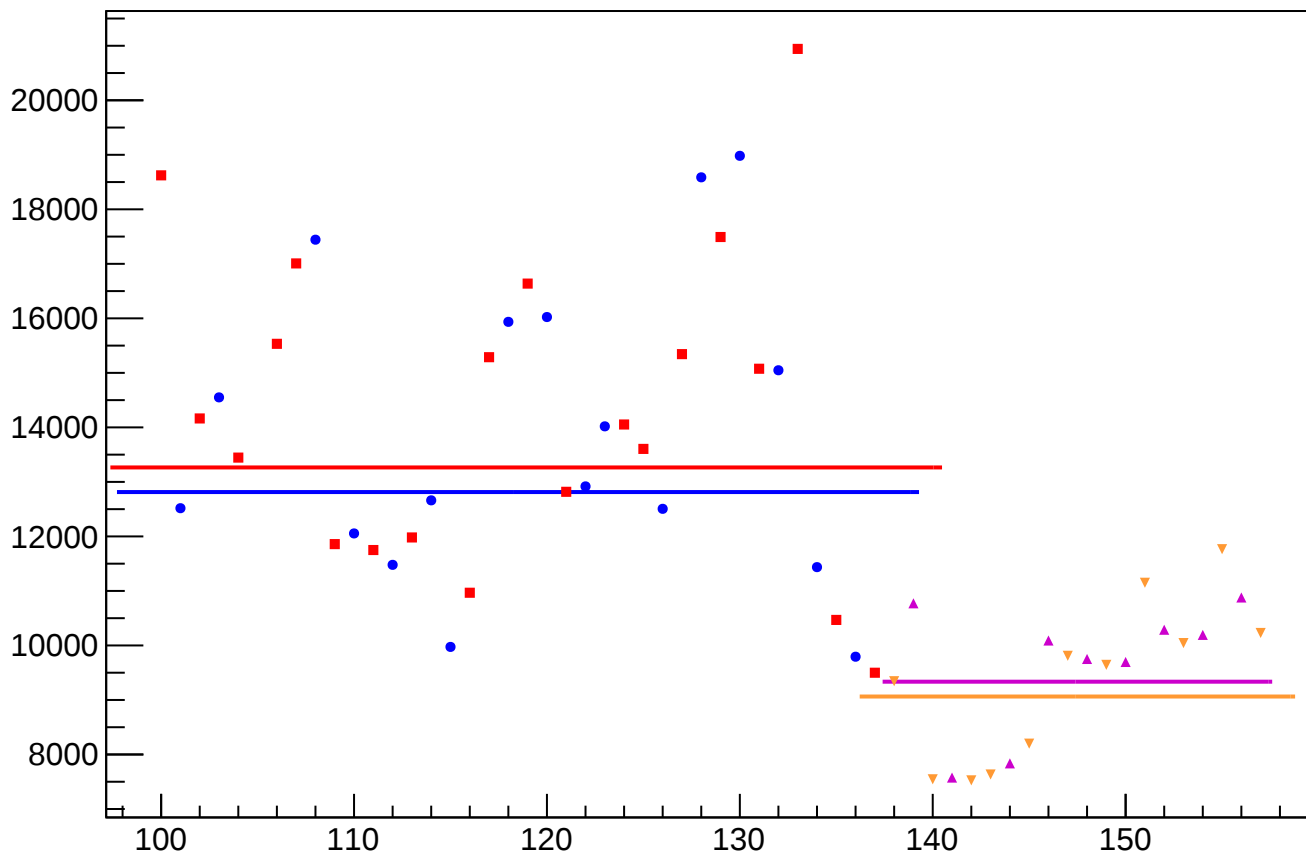
Left In: 0.524 ± 3.475 χ^2/NDF : 7.5/8

-11.599 ± 2.724 χ^2/NDF : 53.4/27

-4.297 ± 1.974 χ^2/NDF : 91.7/56

3.779 ± 2.865 χ^2/NDF : 23.2/28

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12813.726 $\pm$ 3.607 χ^2 /NDF: 548127.6/16

Left Out: 9063.185 $\pm$ 2.279 χ^2 /NDF:353060.1/10

Right Out: 13265.185 $\pm$ 3.580 χ^2 /NDF: 485810.1/19

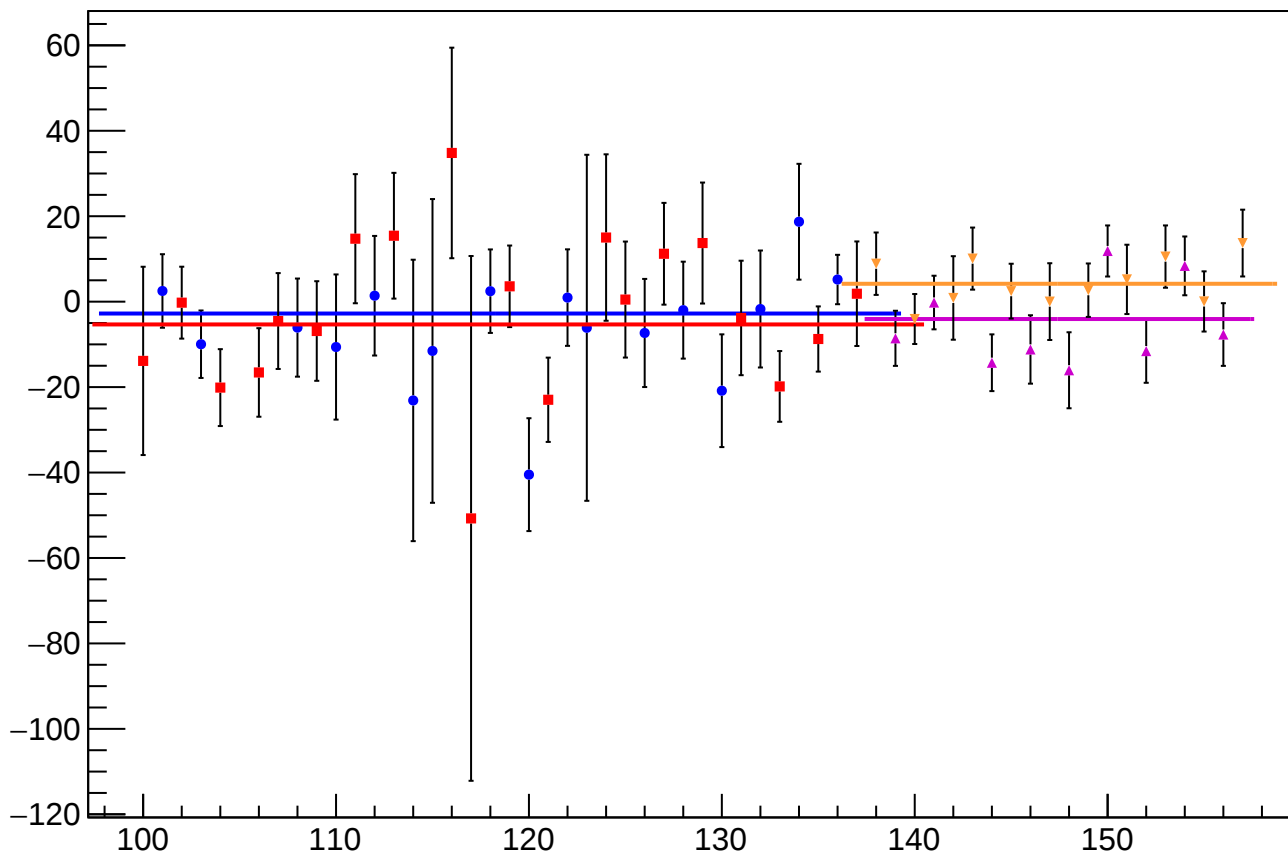
Left In: 9335.146 $\pm$ 2.457 χ^2 /NDF:250093.4/8

10132.839 $\pm$ 1.926 χ^2 /NDF: 1673931.4/27

10351.766 $\pm$ 1.396 χ^2 /NDF: 3256209.2/5

10593.926 $\pm$ 2.026 χ^2 /NDF: 1555076.1/28

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -2.778 $\pm$ 2.747 χ^2/NDF : 17.0/16

Left Out: 4.186 $\pm$ 2.182 χ^2/NDF : 6.1/10

Right Out: -5.332 $\pm$ 2.587 χ^2/NDF : 24.1/19

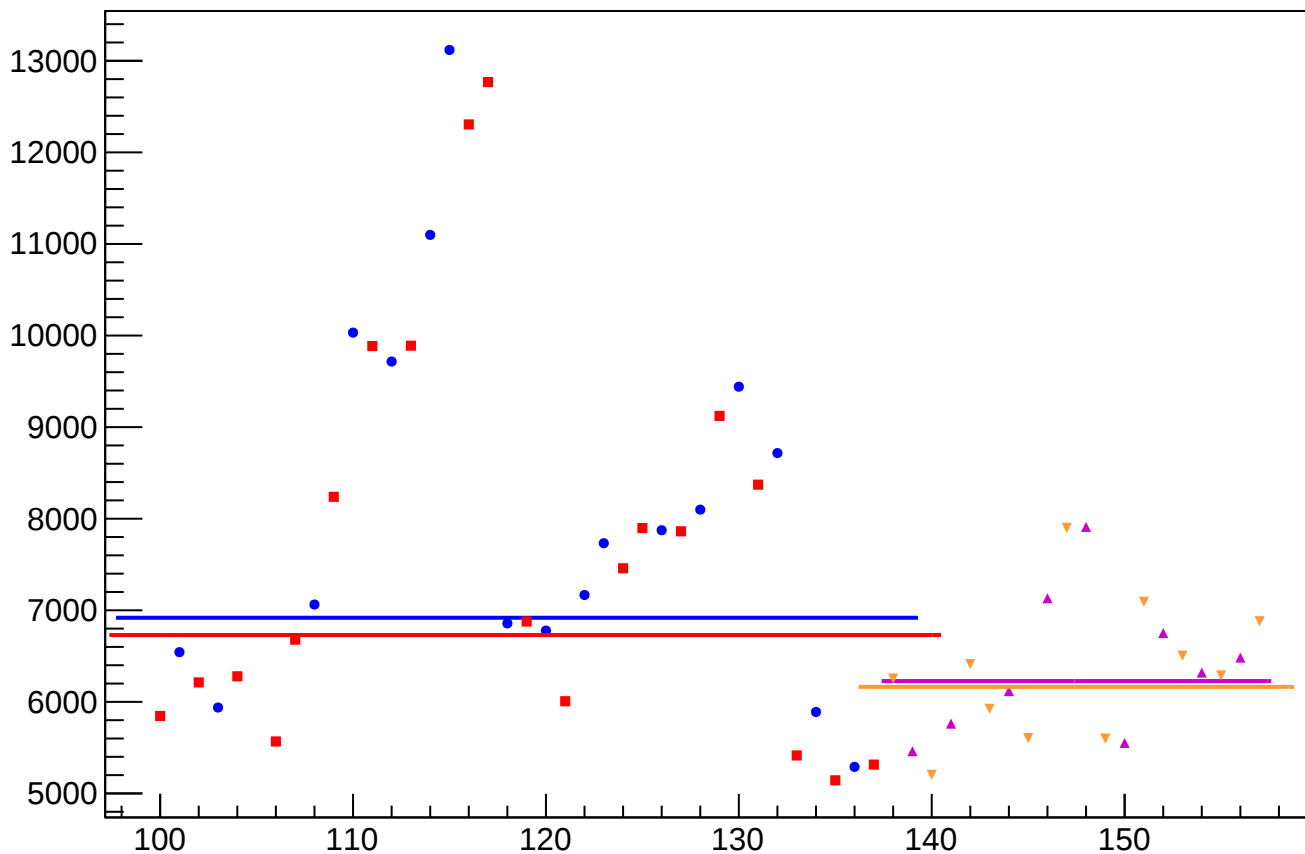
Left In: -4.066 $\pm$ 2.318 χ^2/NDF : 17.5/8

1.492 $\pm$ 1.708 χ^2/NDF : 27.1/27

-1.537 $\pm$ 1.214 χ^2/NDF : 75.1/56

-4.630 $\pm$ 1.726 χ^2/NDF : 41.7/28

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6918.554 +/- 1.943 χ^2/NDF : 587976.6/16

Left Out: 6163.639 +/- 1.543 χ^2/NDF : 211841.1/10

Right Out: 6730.137 +/- 1.830 χ^2/NDF : 673193.1/19

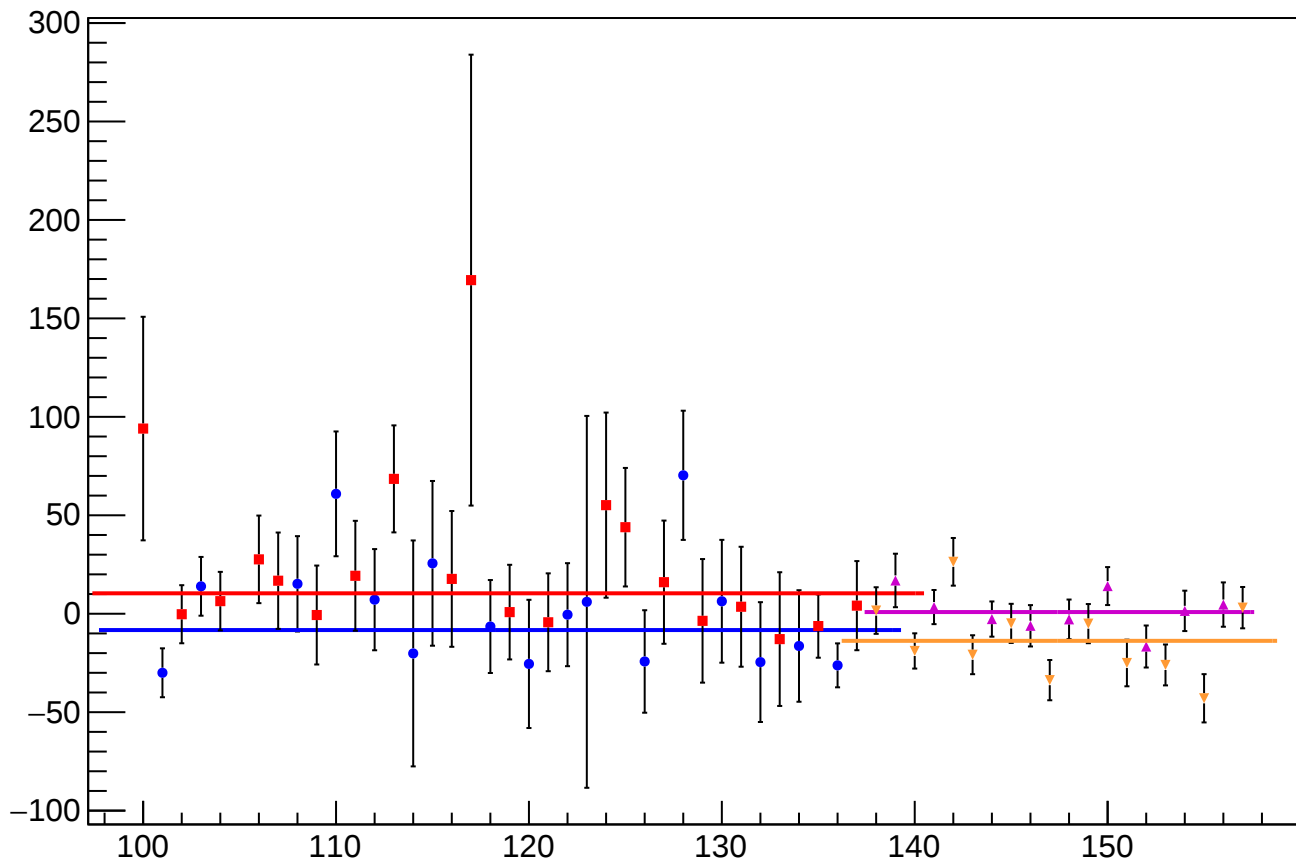
Left In: 6227.465 +/- 1.639 χ^2/NDF : 175137.2/8

6455.611 +/- 1.208 χ^2/NDF : 892435.9/27

6453.451 +/- 0.859 χ^2/NDF : 1782656.6/56

6451.246 +/- 1.221 χ^2/NDF : 890214.2/28

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.286 ± 5.410 $\chi^2/\text{NDF}: 21.7/16$

Left Out: -13.762 ± 3.185 $\chi^2/\text{NDF}: 29.4/10$

Right Out: 10.376 ± 5.507 $\chi^2/\text{NDF}: 14.8/19$

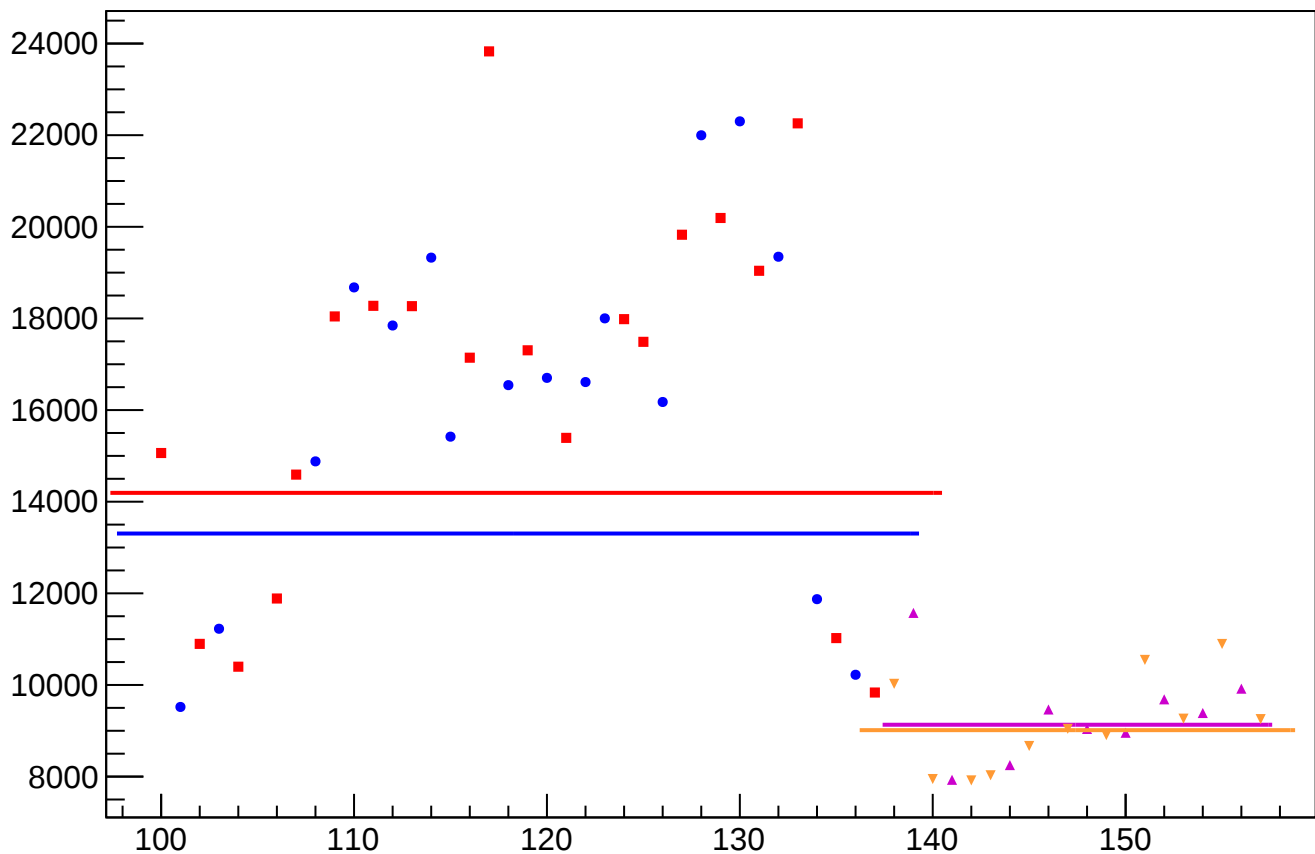
Left In: 0.856 ± 3.388 $\chi^2/\text{NDF}: 6.9/8$

-12.353 ± 2.744 $\chi^2/\text{NDF}: 51.9/27$

-4.838 ± 1.989 $\chi^2/\text{NDF}: 91.6/56$

3.470 ± 2.886 $\chi^2/\text{NDF}: 23.9/28$

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13305.410+/-3.826 χ^2/NDF : 1044091.1/16

Left Out: 9013.636+/-2.252 χ^2/NDF :164780.1/10

Right Out: 14193.006+/-3.894 χ^2/NDF : 944809.1/19

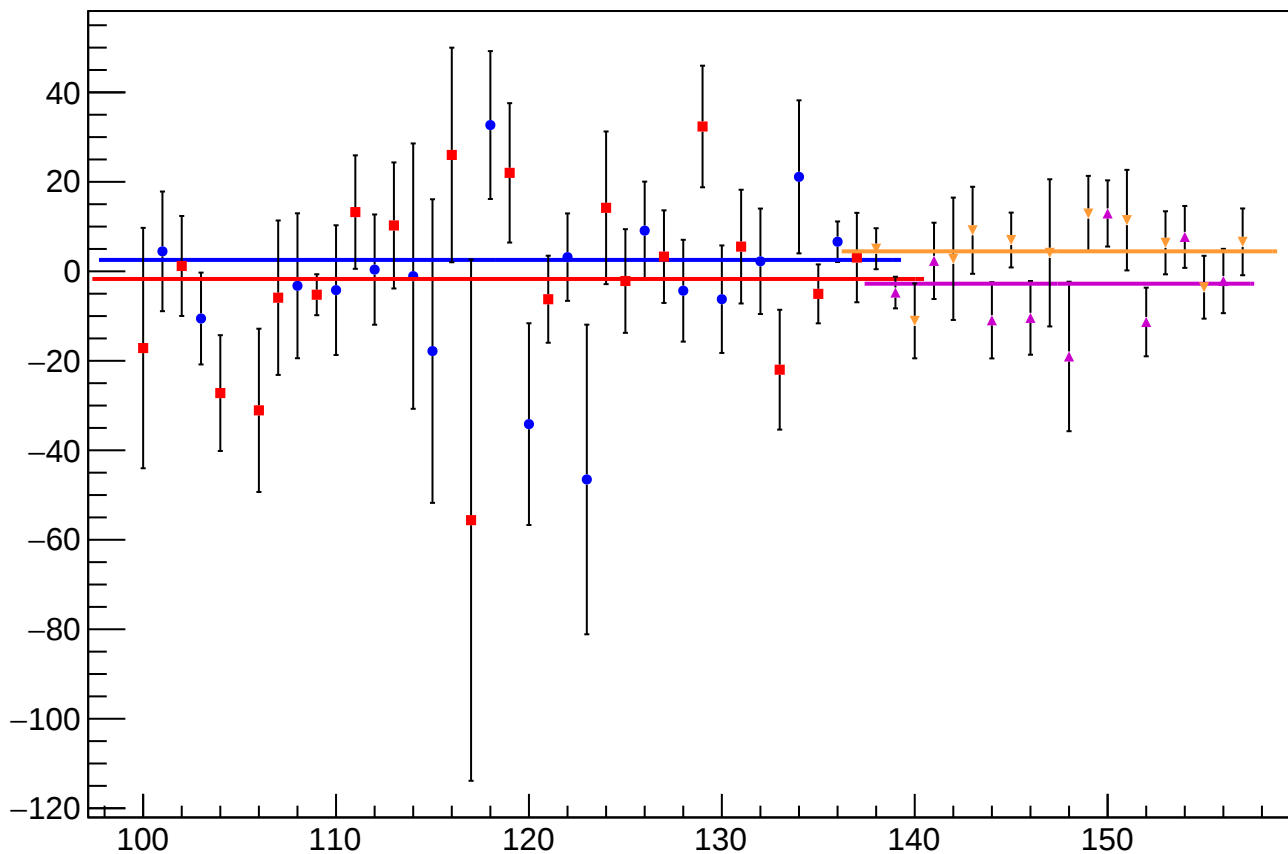
Left In: 9131.826+/-2.396 χ^2/NDF :141633.7/8

10117.999+/-1.941 χ^2/NDF : 2143605.9/27

10309.645+/-1.406 χ^2/NDF : 4476159.6/5

10521.509+/-2.040 χ^2/NDF : 2312018.8/28

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.551 $\pm$ 2.757 χ^2/NDF : 13.6/16

Left Out: 4.471 $\pm$ 2.303 χ^2/NDF : 6.7/10

Right Out: -1.708 $\pm$ 2.440 χ^2/NDF : 24.9/19

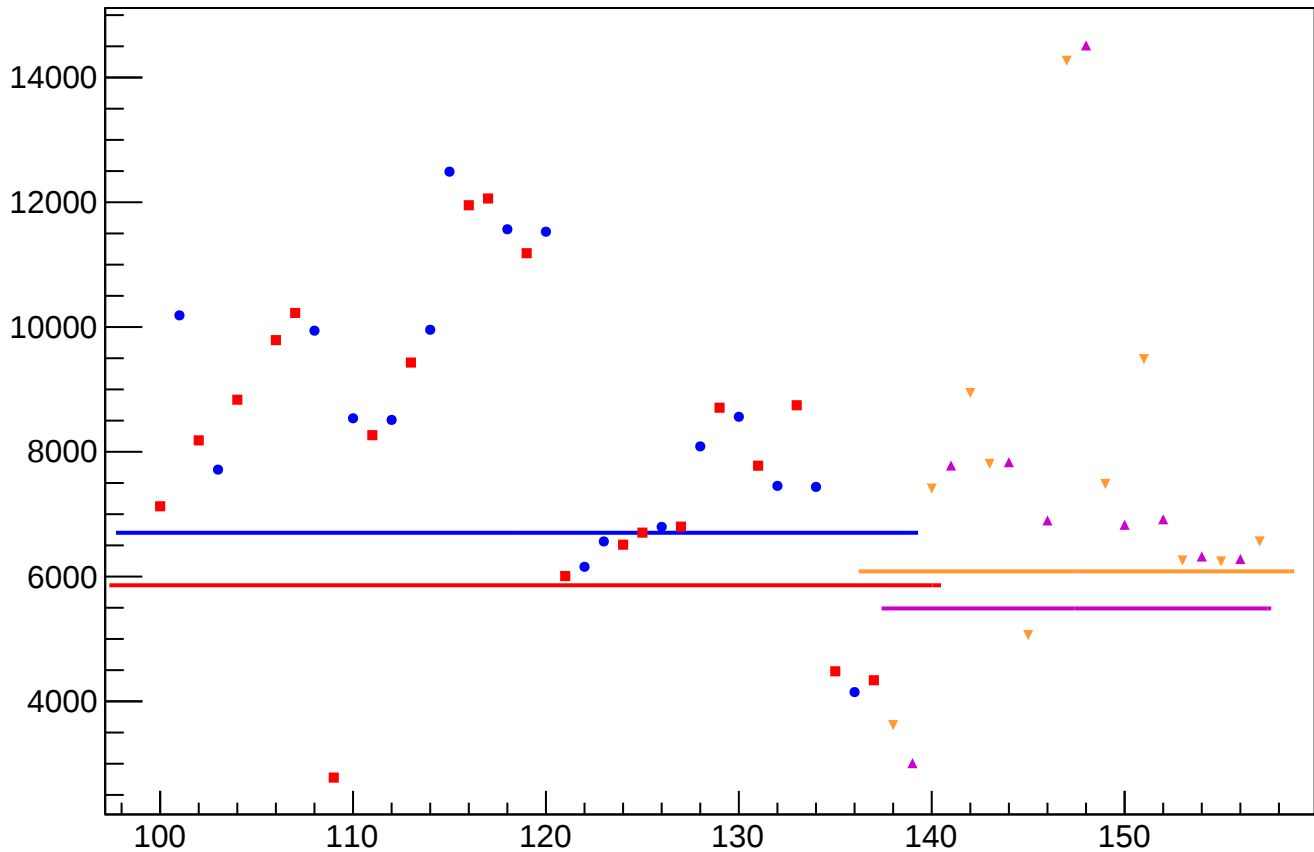
Left In: -2.766 $\pm$ 2.228 χ^2/NDF : 11.4/8

3.682 $\pm$ 1.767 χ^2/NDF : 20.6/27

0.485 $\pm$ 1.204 χ^2/NDF : 63.2/56

-2.285 $\pm$ 1.645 χ^2/NDF : 36.4/28

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6702.245+/-1.949 χ^2/NDF : 1389956.8/16

Left Out: 6083.939+/-1.628 χ^2/NDF : 1579540.1/10

Right Out: 5860.505+/-1.725 χ^2/NDF : 2301163.3/19

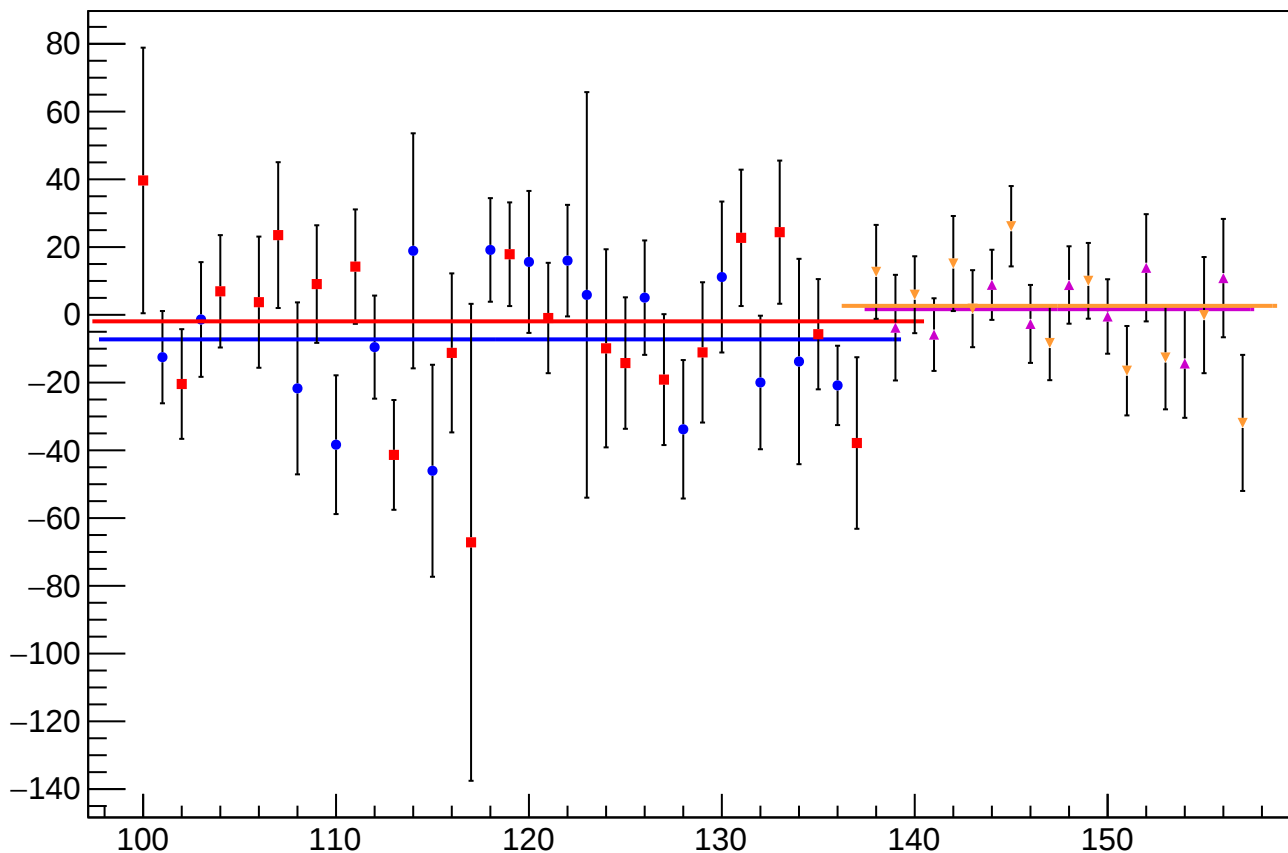
Left In: 5489.040+/-1.575 χ^2/NDF : 2111510.0/8

6338.067+/-1.250 χ^2/NDF : 3028753.7/27

5973.710+/-0.852 χ^2/NDF : 7625373.2/56

5657.928+/-1.163 χ^2/NDF : 4437948.8/28

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -7.245 $\pm$ 4.547 χ^2/NDF : 15.9/16

Left Out: 2.650 $\pm$ 3.920 χ^2/NDF : 12.9/10

Right Out: -1.922 $\pm$ 4.365 χ^2/NDF : 20.7/19

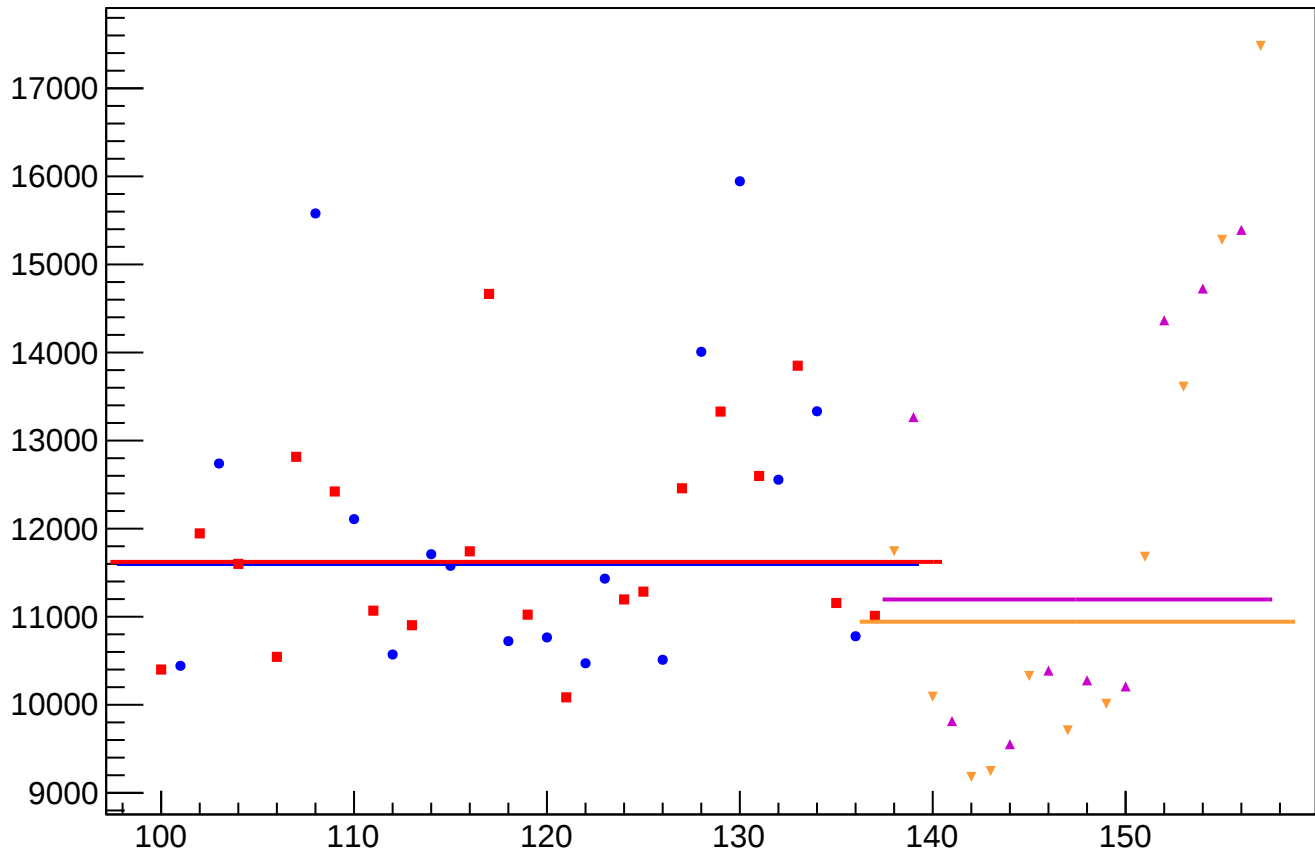
Left In: 1.670 $\pm$ 4.197 χ^2/NDF : 3.5/8

-1.569 $\pm$ 2.969 χ^2/NDF : 31.5/27

-0.827 $\pm$ 2.119 χ^2/NDF : 56.2/56

-0.056 $\pm$ 3.025 χ^2/NDF : 24.6/28

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11598.751 $\pm$ 3.215 χ^2/NDF : 235423.8/16

Left Out: 10943.188 $\pm$ 2.772 χ^2/NDF :545415.5/10

Right Out: 11622.681 $\pm$ 3.086 χ^2/NDF : 98197.0/19

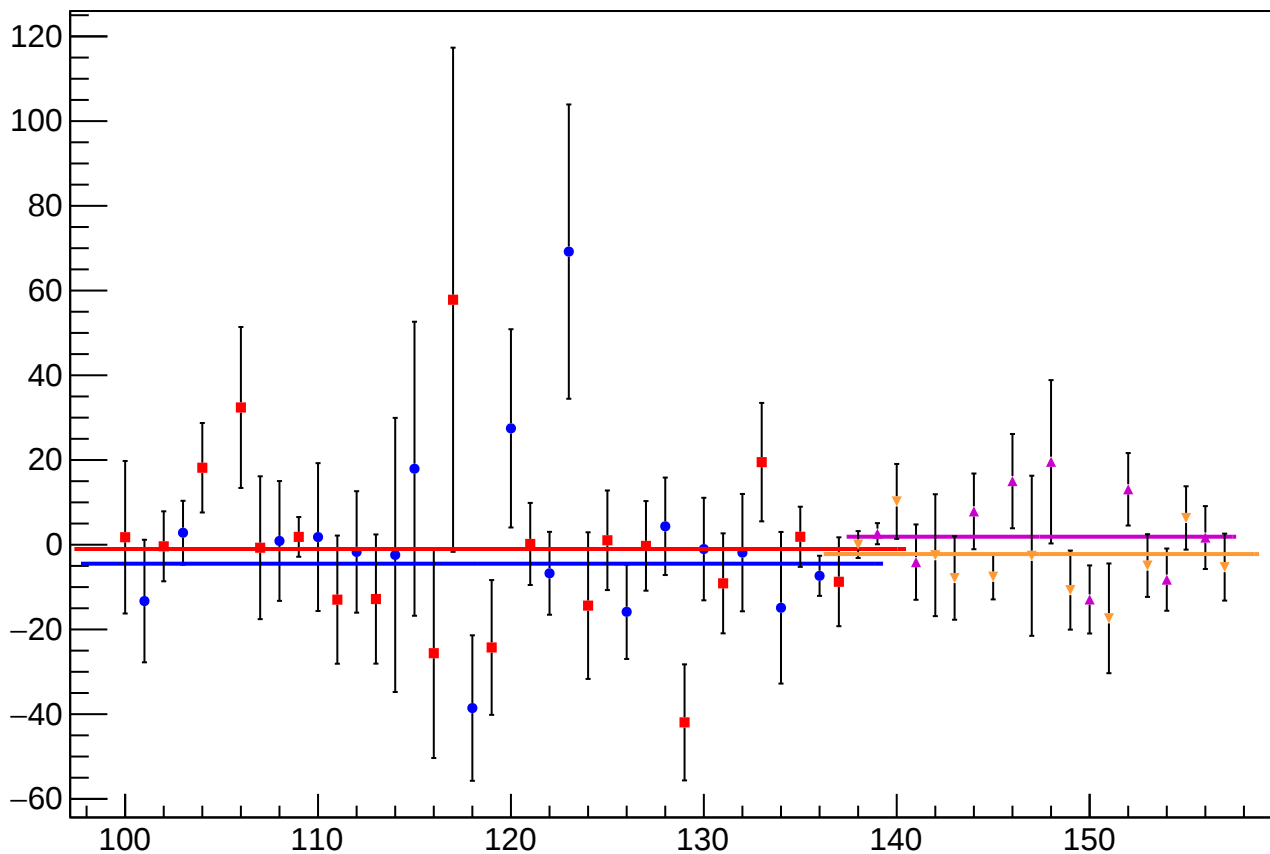
Left In: 11195.572 $\pm$ 2.967 χ^2/NDF :450178.6/8

11222.702 $\pm$ 2.099 χ^2/NDF : 804687.4/27

11310.059 $\pm$ 1.498 χ^2/NDF : 1366543.7/5

11400.745 $\pm$ 2.139 χ^2/NDF : 558327.5/28

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -4.476 $\pm$ 2.782 χ^2 /NDF: 14.8/16

Left Out: -2.206 $\pm$ 2.066 χ^2 /NDF: 7.6/10

Right Out: -1.007 $\pm$ 2.427 χ^2 /NDF: 25.0/19

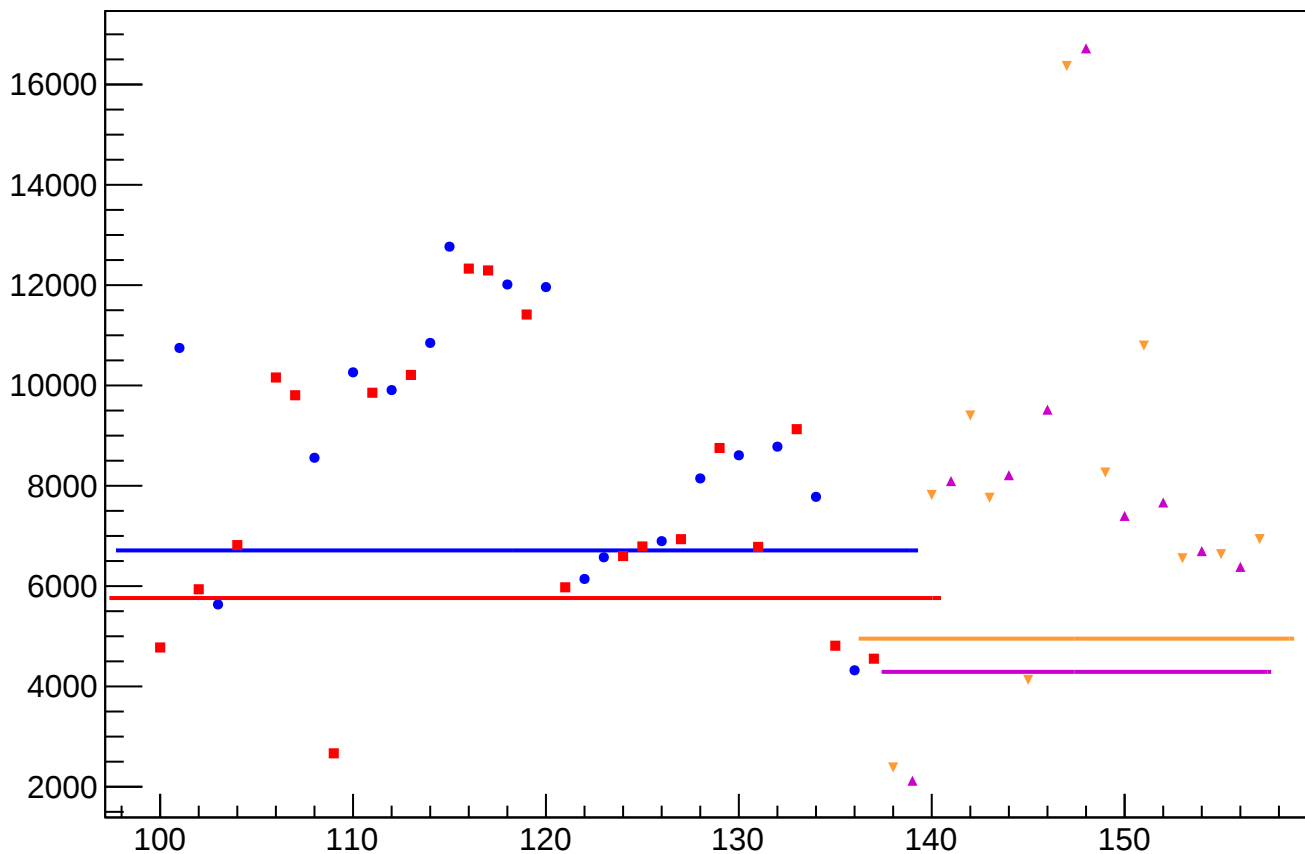
Left In: 1.892 $\pm$ 1.950 χ^2 /NDF: 10.2/8

-3.013 $\pm$ 1.659 χ^2 /NDF: 22.9/27

-0.965 $\pm$ 1.121 χ^2 /NDF: 61.8/56

0.755 $\pm$ 1.520 χ^2 /NDF: 36.1/28

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6711.550 ± 1.967 $\chi^2/\text{NDF}: 1446972.0/16$

Left Out: 4952.922 ± 1.461 $\chi^2/\text{NDF}: 3627035.3/10$

Right Out: 5762.387 ± 1.716 $\chi^2/\text{NDF}: 2189239.7/19$

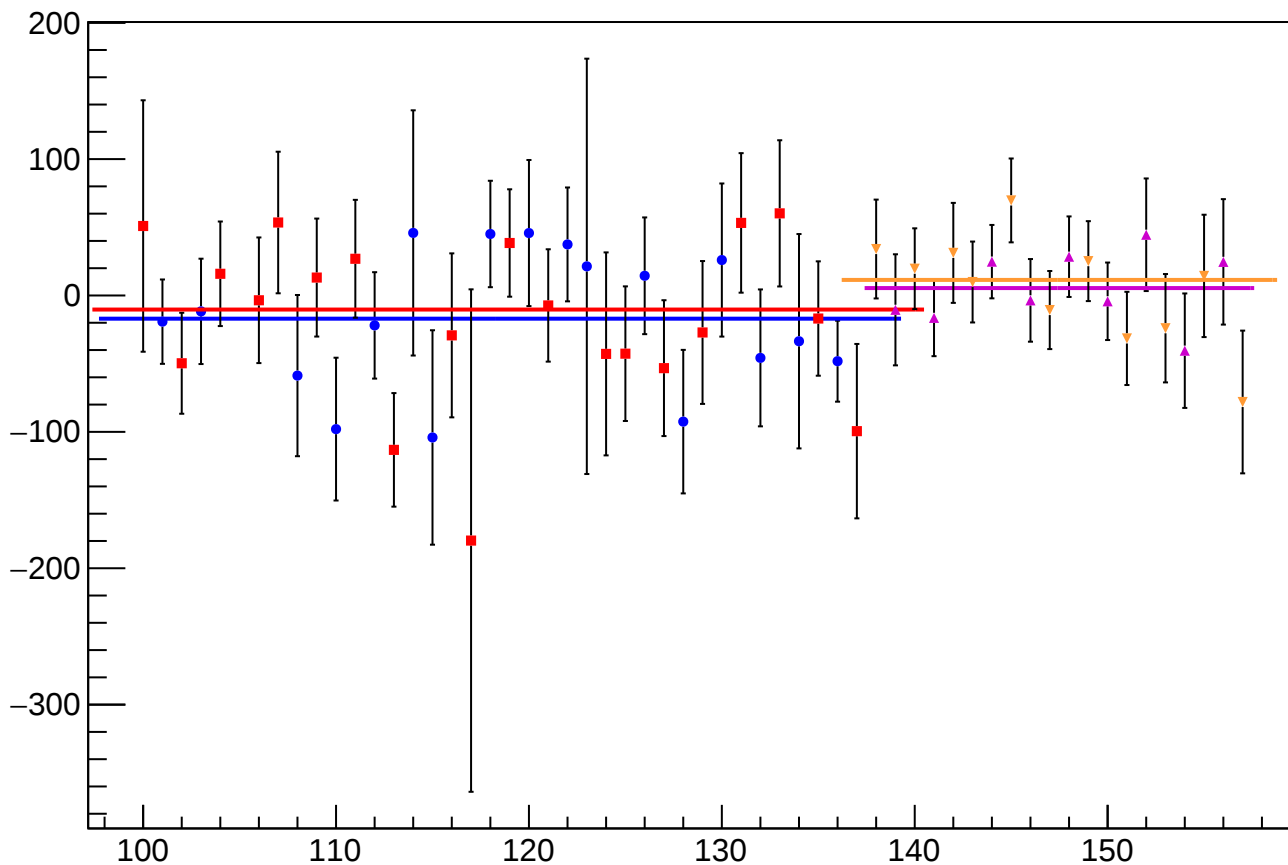
Left In: 4290.460 ± 1.379 $\chi^2/\text{NDF}: 4525630.4/8$

5578.199 ± 1.173 $\chi^2/\text{NDF}: 5589176.6/27$

5192.253 ± 0.792 $\chi^2/\text{NDF}: 12950299.6/5$

4868.028 ± 1.075 $\chi^2/\text{NDF}: 7161870.8/28$

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -17.010+/-11.287 χ^2/NDF : 15.0/16

Left Out: 11.411+/-10.219 χ^2/NDF : 10.5/10

Right Out: -10.311+/-10.872 χ^2/NDF : 19.9/19

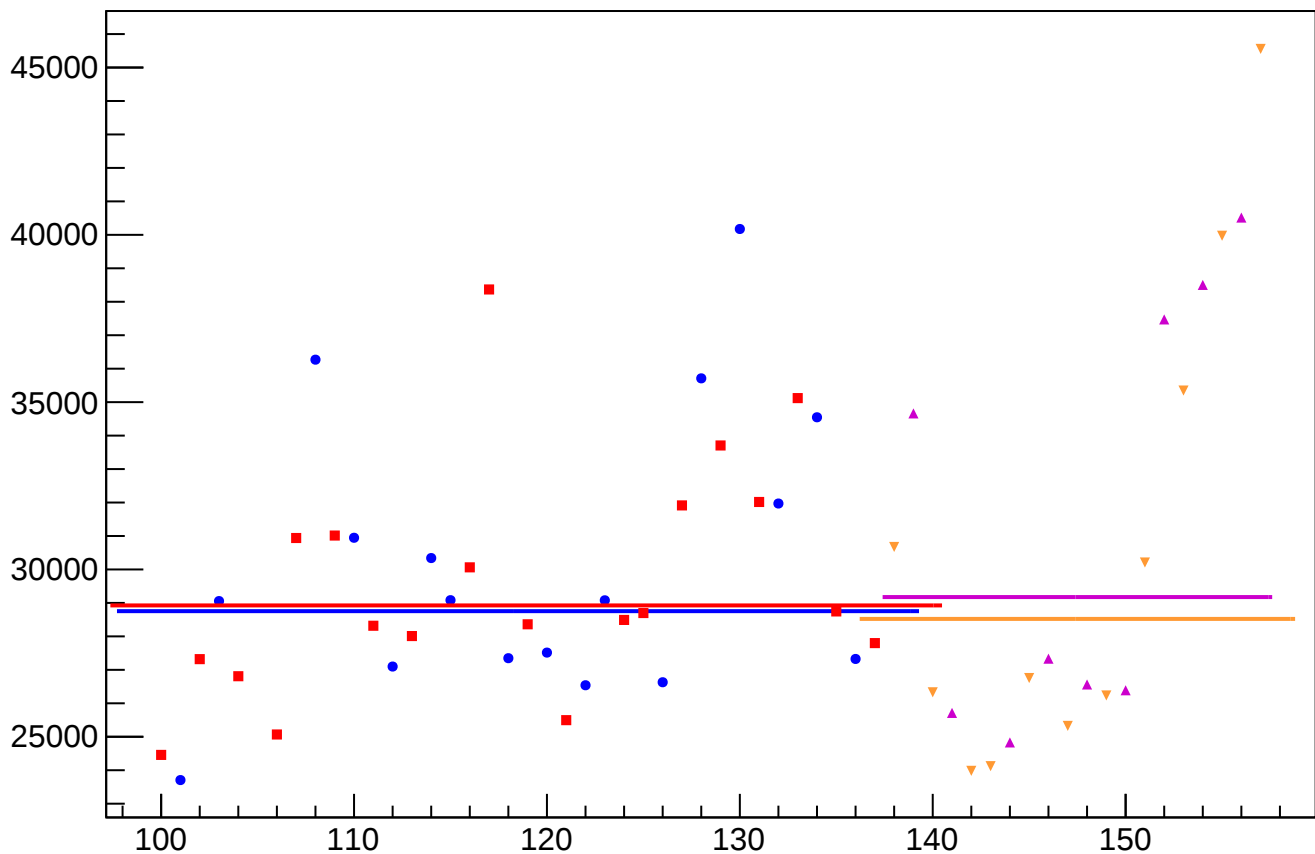
Left In: 5.432+/-10.941 χ^2/NDF : 4.4/8

-1.391+/-7.575 χ^2/NDF : 28.9/27

-1.930+/-5.404 χ^2/NDF : 54.3/56

-2.490+/-7.712 χ^2/NDF : 25.3/28

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28753.787 ± 7.981 $\chi^2/\text{NDF}: 249215.1/16$

Left Out: 28522.182 ± 7.226 $\chi^2/\text{NDF}: 542608.7/10$

Right Out: 28925.160 ± 7.687 $\chi^2/\text{NDF}: 116514.7/19$

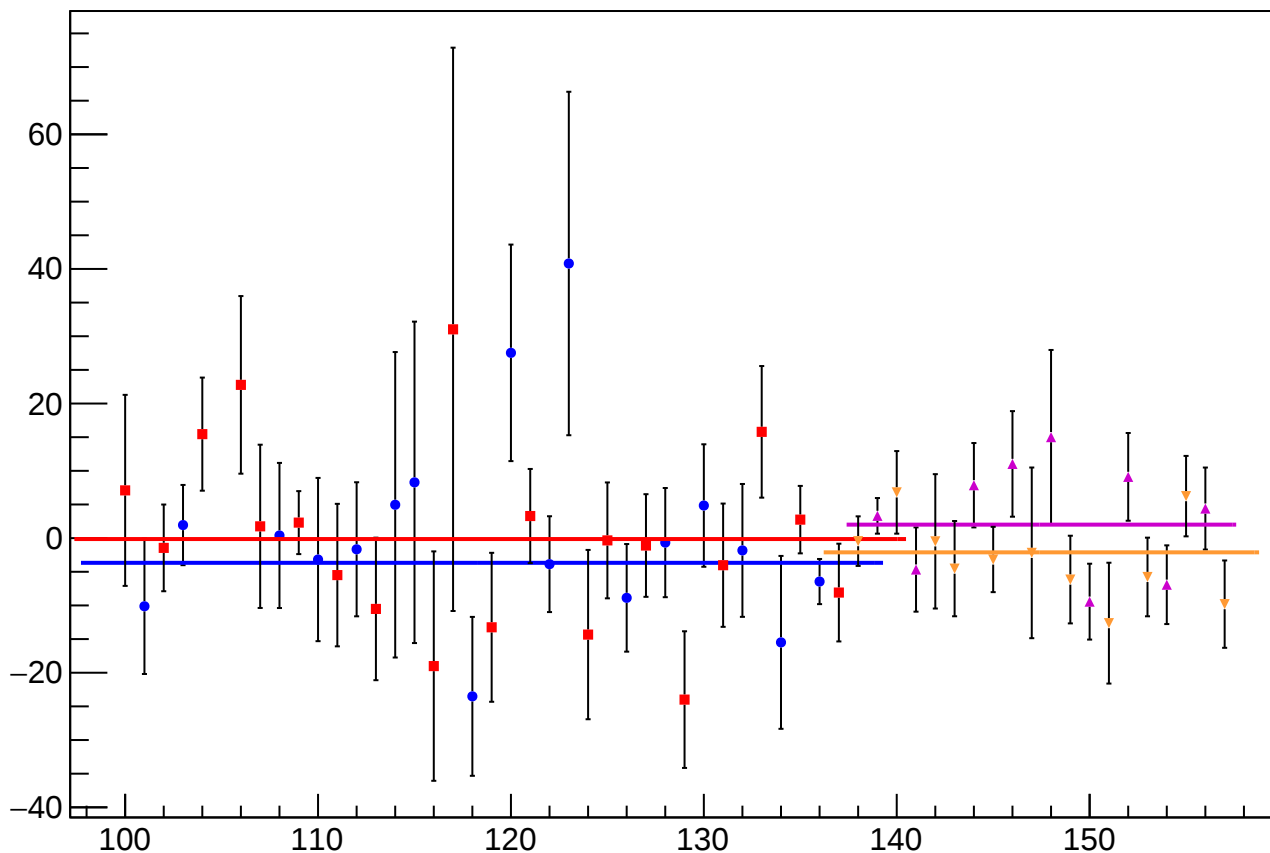
Left In: 29174.902 ± 7.736 $\chi^2/\text{NDF}: 462377.9/8$

28626.507 ± 5.357 $\chi^2/\text{NDF}: 792286.7/27$

28834.102 ± 3.821 $\chi^2/\text{NDF}: 1374762.1/5$

29049.240 ± 5.453 $\chi^2/\text{NDF}: 579417.0/28$

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -3.668+/-2.010 χ^2 /NDF: 14.5/16

Left Out: -2.112+/-1.838 χ^2 /NDF: 8.0/10

Right Out: -0.135+/-1.891 χ^2 /NDF: 22.9/19

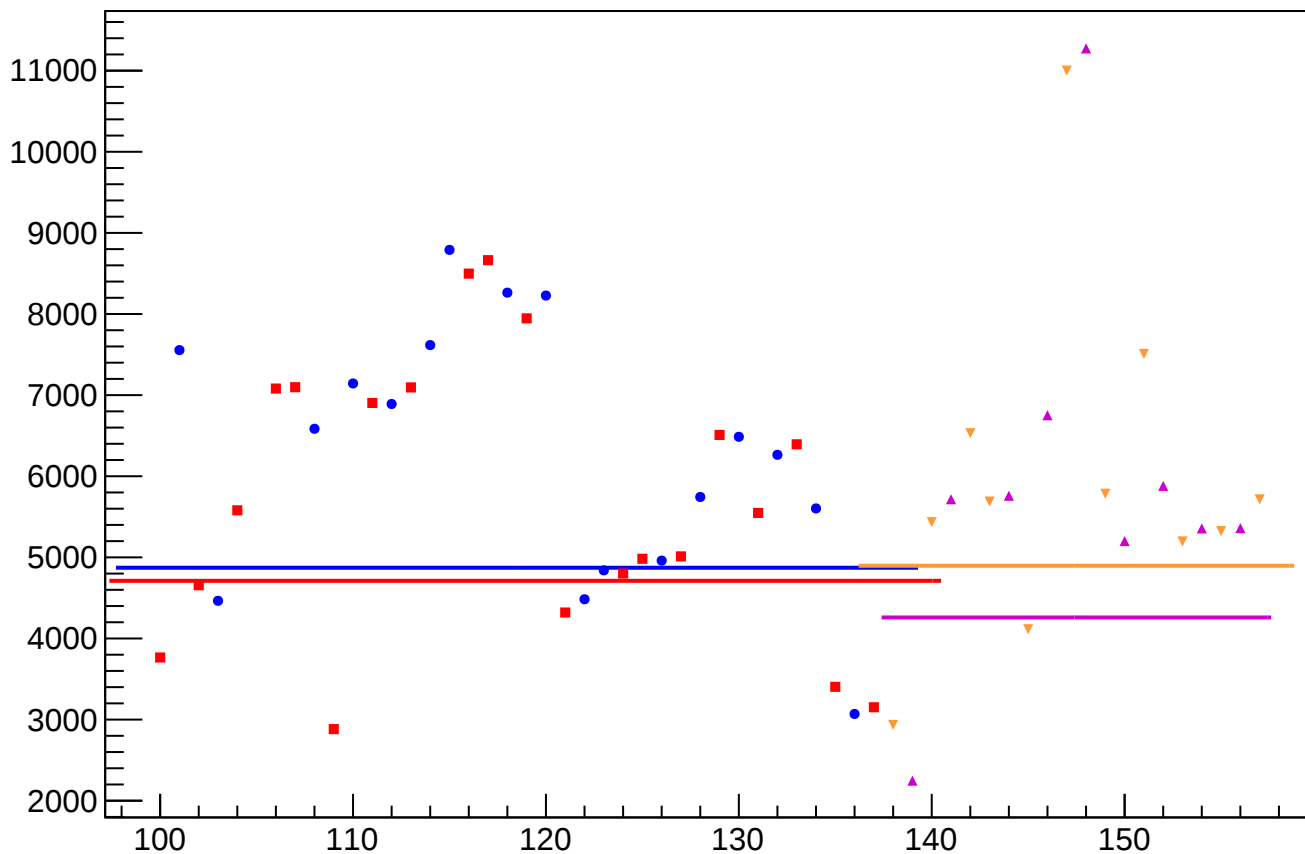
Left In: 2.005+/-1.748 χ^2 /NDF: 12.4/8

-2.821+/-1.356 χ^2 /NDF: 22.9/27

-0.795+/-0.932 χ^2 /NDF: 63.0/56

1.019+/-1.284 χ^2 /NDF: 35.9/28

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4872.105 ± 1.421 $\chi^2/\text{NDF}: 1405253.2/16$

Left Out: 4896.747 ± 1.300 $\chi^2/\text{NDF}: 1430575.5/10$

Right Out: 4711.077 ± 1.337 $\chi^2/\text{NDF}: 1330595.4/19$

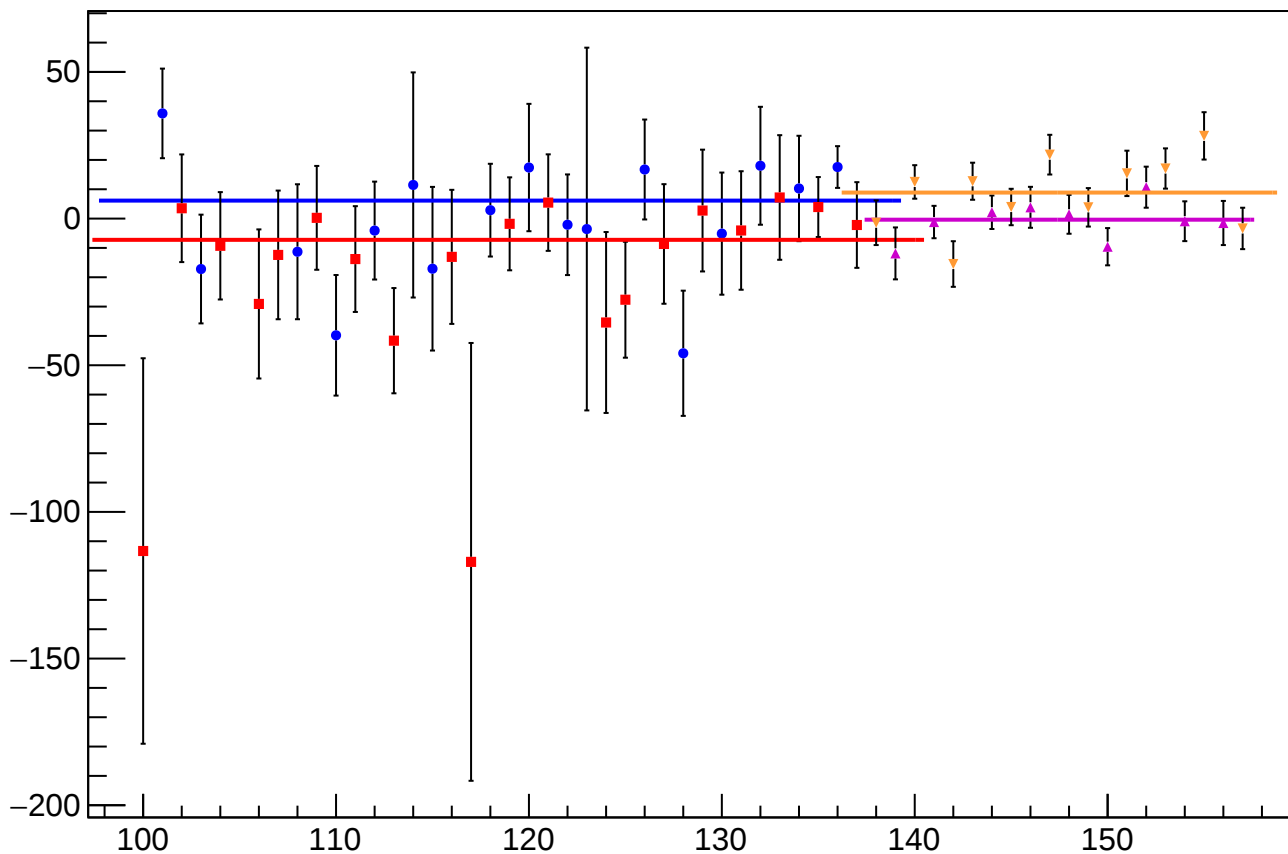
Left In: 4259.116 ± 1.236 $\chi^2/\text{NDF}: 2483068.5/8$

4885.522 ± 0.959 $\chi^2/\text{NDF}: 2835992.4/27$

4664.972 ± 0.659 $\chi^2/\text{NDF}: 6811494.0/56$

4467.442 ± 0.908 $\chi^2/\text{NDF}: 3875267.6/28$

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 6.133 ± 4.080 χ^2/NDF : 22.2/16

Left Out: 8.871 ± 2.068 χ^2/NDF : 28.2/10

Right Out: -7.243 ± 4.218 χ^2/NDF : 14.6/19

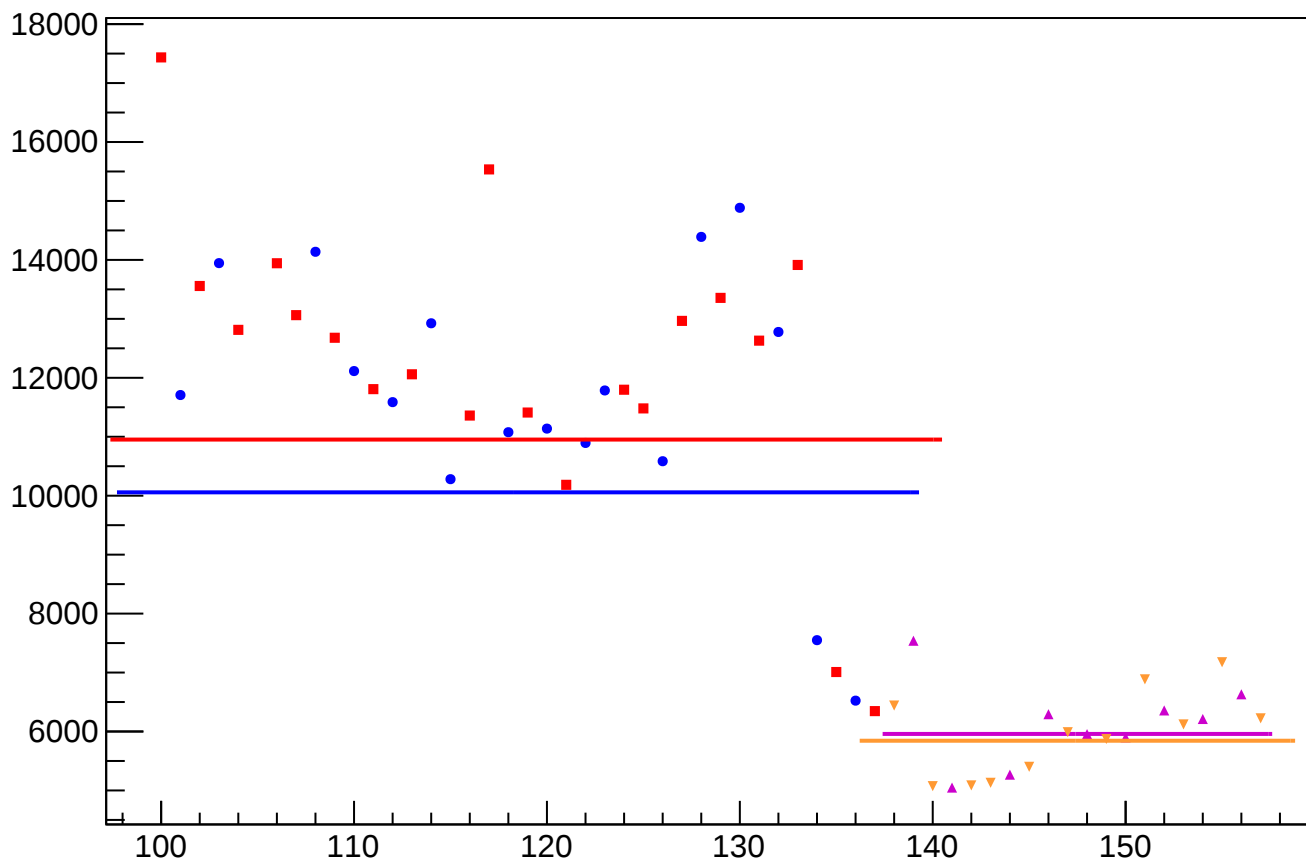
Left In: -0.376 ± 2.213 χ^2/NDF : 7.0/8

8.312 ± 1.845 χ^2/NDF : 50.7/27

3.534 ± 1.343 χ^2/NDF : 88.7/56

-1.858 ± 1.960 χ^2/NDF : 23.7/28

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10056.991 $\pm$ 2.885 χ^2/NDF : 1002872.6/16

Left Out: 5843.375 $\pm$ 1.462 χ^2/NDF : 204025.8/10

Right Out: 10952.255 $\pm$ 2.982 χ^2/NDF : 770474.3/19

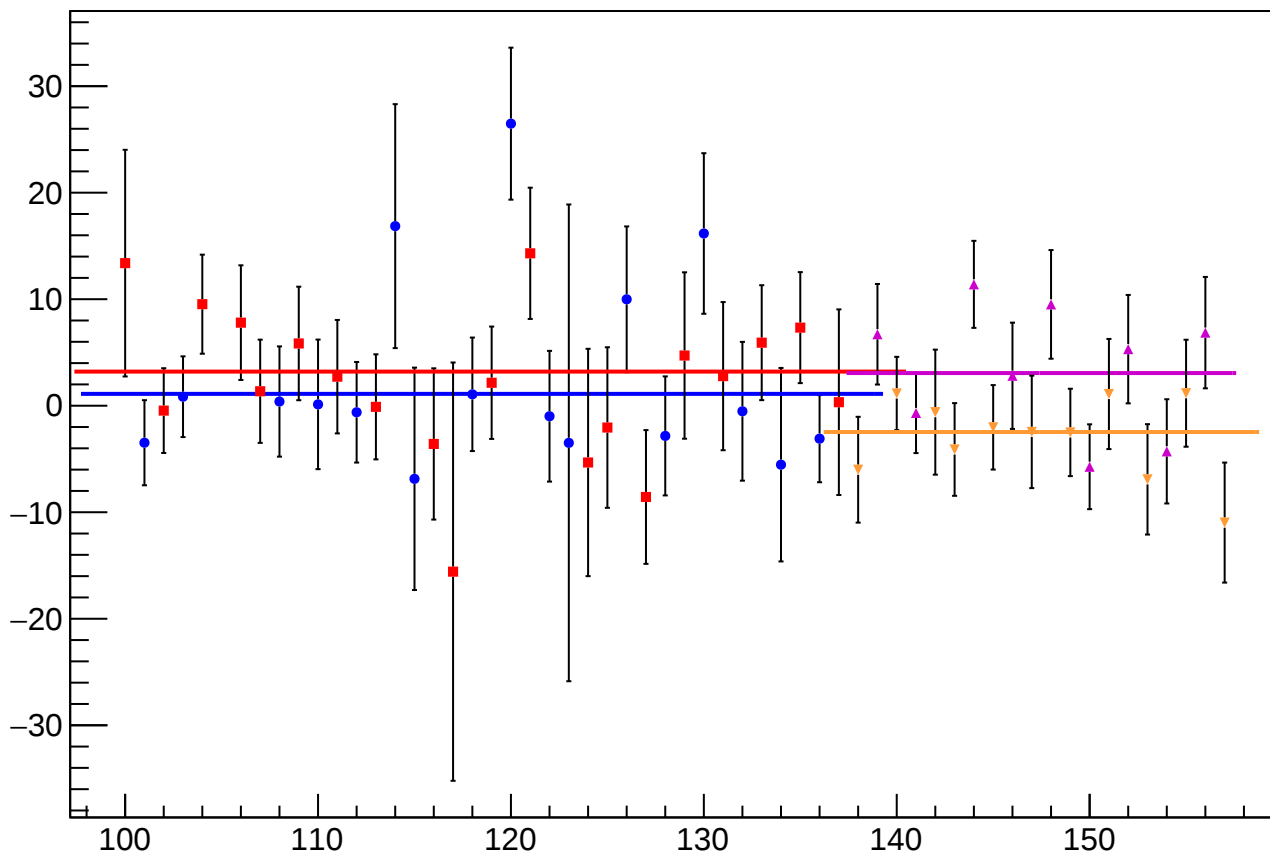
Left In: 5958.655 $\pm$ 1.565 χ^2/NDF : 177428.6/8

6704.472 $\pm$ 1.304 χ^2/NDF : 2903945.3/27

6860.564 $\pm$ 0.950 χ^2/NDF : 6080644.4/56

7036.768 $\pm$ 1.386 χ^2/NDF : 3146207.5/28

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.112 ± 1.403 χ^2/NDF : 24.6/16

Left Out: -2.469 ± 1.398 χ^2/NDF : 5.9/10

Right Out: 3.204 ± 1.331 χ^2/NDF : 16.0/19

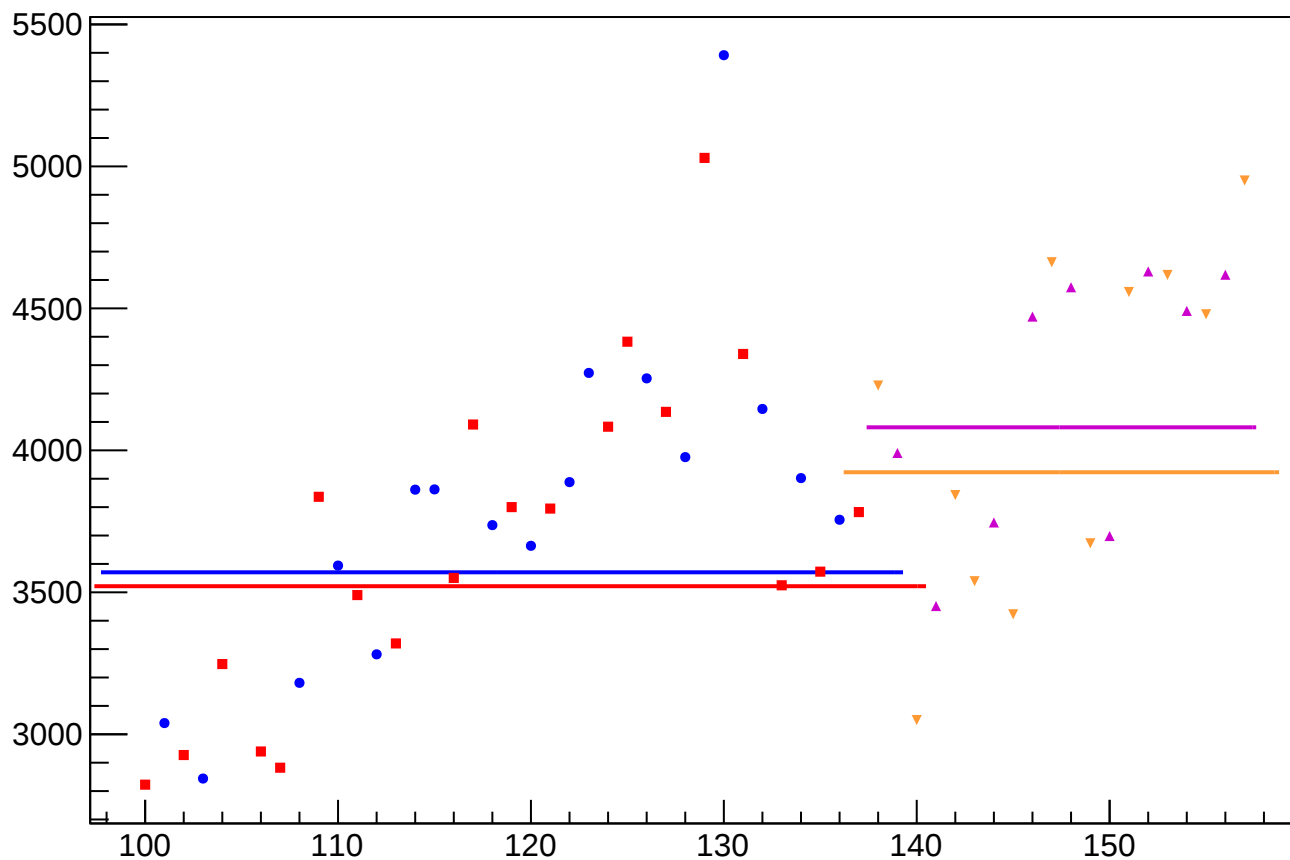
Left In: 3.066 ± 1.518 χ^2/NDF : 15.2/8

-0.685 ± 0.990 χ^2/NDF : 33.8/27

1.210 ± 0.704 χ^2/NDF : 72.3/56

3.144 ± 1.001 χ^2/NDF : 31.2/28

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3570.481+/-0.992 χ^2/NDF : 309699.2/16

Left Out: 3922.852+/-0.989 χ^2/NDF : 387898.7/10

Right Out: 3521.513+/-0.941 χ^2/NDF : 295082.3/19

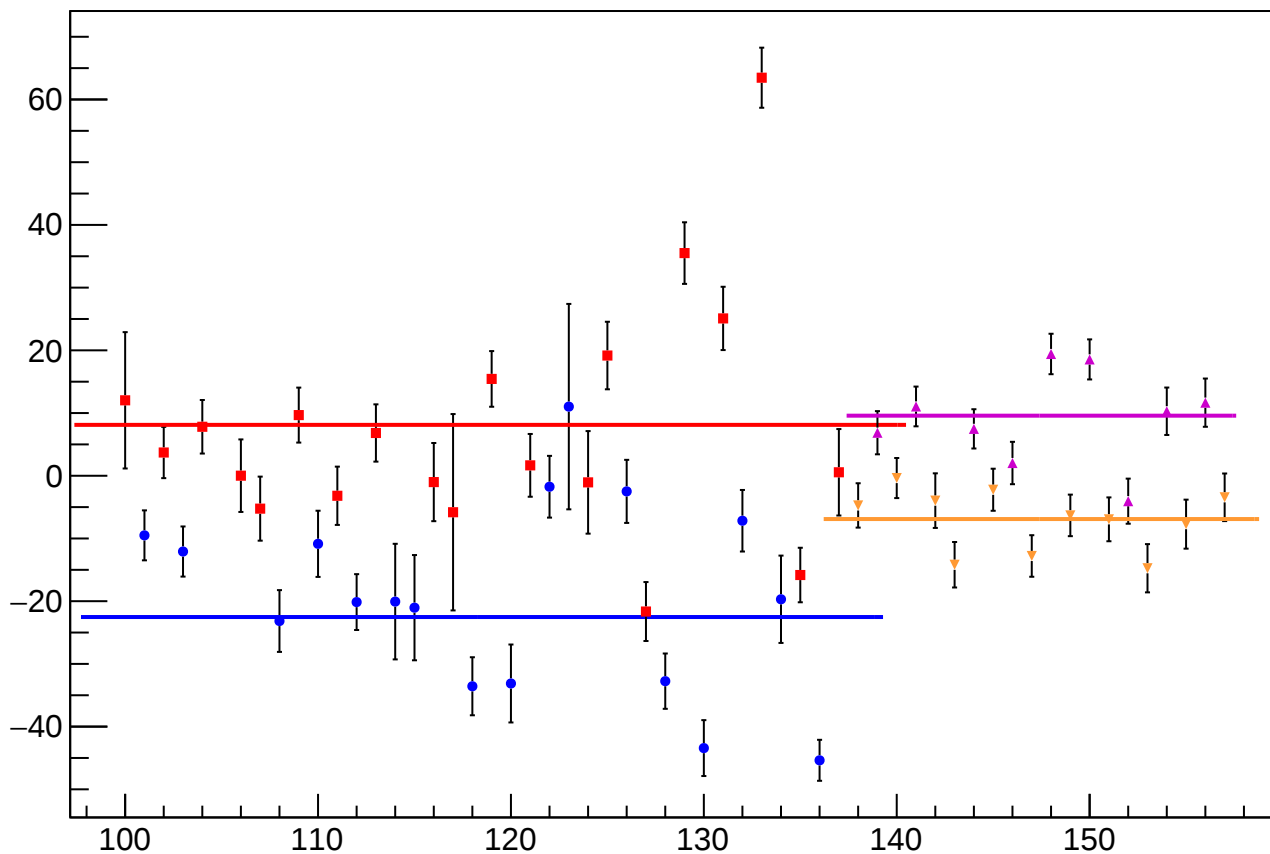
Left In: 4081.084+/-1.073 χ^2/NDF : 177862.2/8

3747.262+/-0.700 χ^2/NDF : 760905.9/27

3755.847+/-0.498 χ^2/NDF : 1387832.4/56

3764.613+/-0.708 χ^2/NDF : 626622.7/28

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.526 ± 1.201 χ^2/NDF : 155.5/16

Left Out: -6.902 ± 1.077 χ^2/NDF : 19.2/10

Right Out: 8.116 ± 1.154 χ^2/NDF : 276.6/19

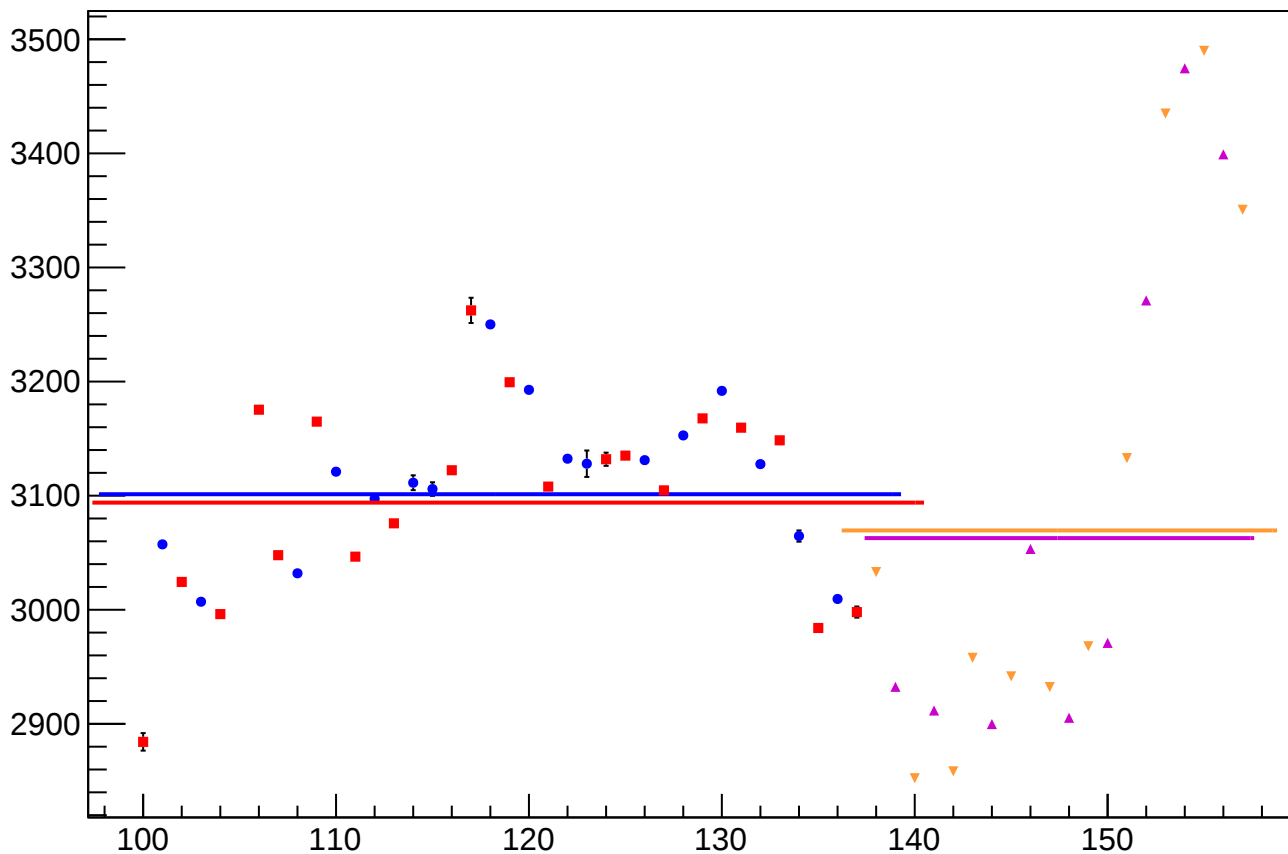
Left In: 9.582 ± 1.130 χ^2/NDF : 38.2/8

-13.868 ± 0.802 χ^2/NDF : 268.6/27

-2.583 ± 0.569 χ^2/NDF : 983.4/56

8.864 ± 0.807 χ^2/NDF : 315.7/28

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3101.270 ± 0.849 $\chi^2/\text{NDF}: 7233.8/16$

Left Out: 3069.522 ± 0.762 $\chi^2/\text{NDF}: 77082.1/10$

Right Out: 3093.913 ± 0.816 $\chi^2/\text{NDF}: 7998.9/19$

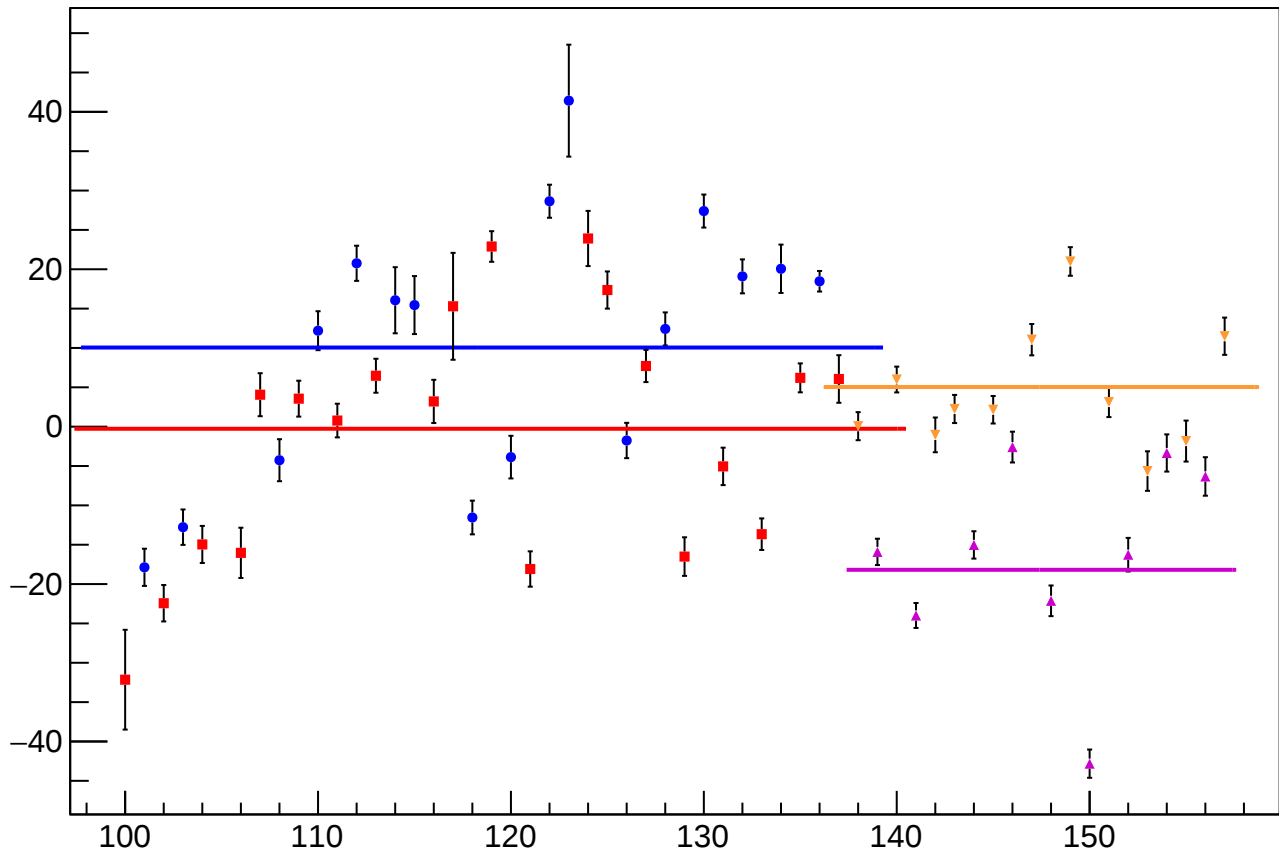
Left In: 3062.807 ± 0.799 $\chi^2/\text{NDF}: 65003.4/8$

3083.679 ± 0.567 $\chi^2/\text{NDF}: 85090.9/27$

3080.880 ± 0.402 $\chi^2/\text{NDF}: 158884.1/56$

3078.041 ± 0.571 $\chi^2/\text{NDF}: 73744.1/28$

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 10.055 ± 0.562 χ^2/NDF : 692.2/16

Left Out: 5.037 ± 0.593 χ^2/NDF : 140.6/10

Right Out: -0.266 ± 0.545 χ^2/NDF : 635.1/19

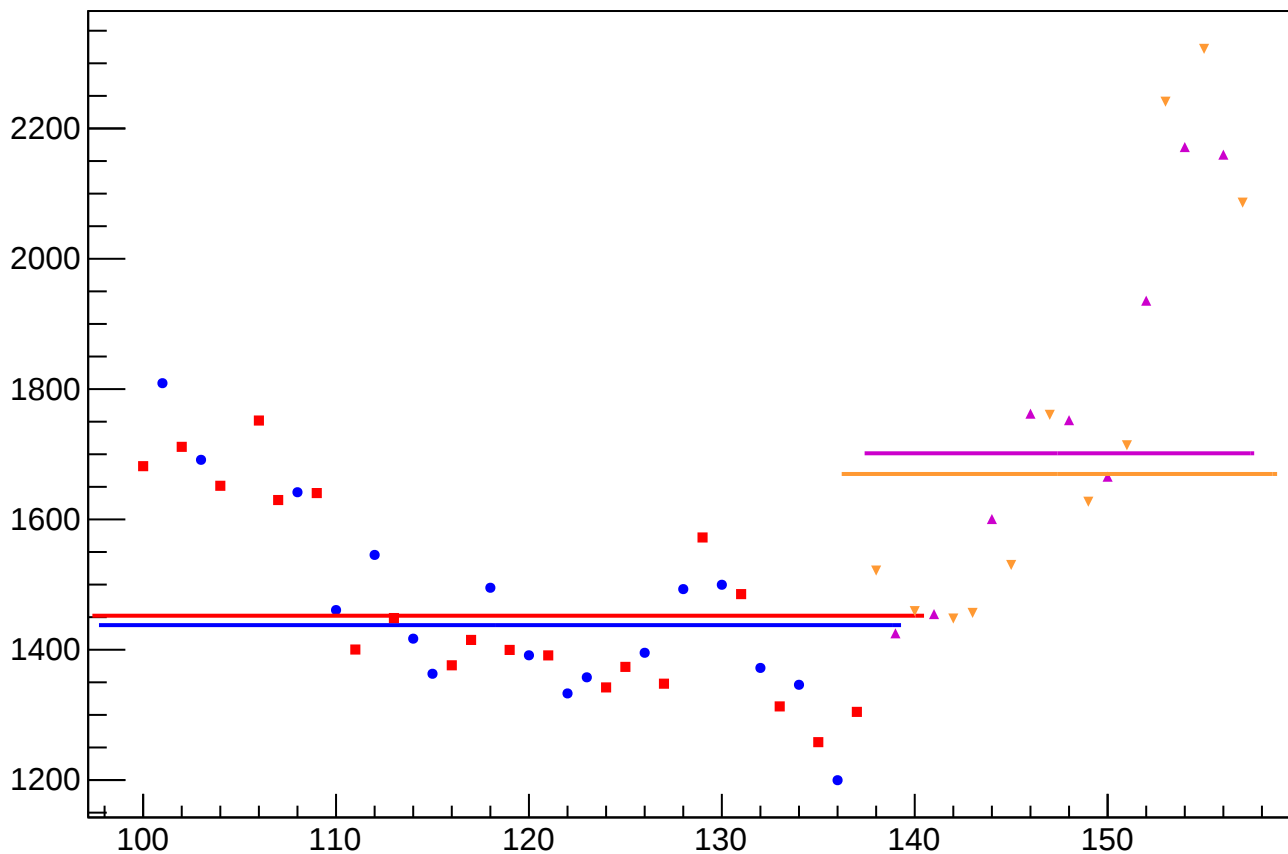
Left In: -18.188 ± 0.634 χ^2/NDF : 338.2/8

7.682 ± 0.408 χ^2/NDF : 870.5/27

0.008 ± 0.290 χ^2/NDF : 3021.4/56

-7.883 ± 0.413 χ^2/NDF : 1432.4/28

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1437.776 $\pm$ 0.397 χ^2/NDF : 173216.2/16

Left Out: 1669.757 $\pm$ 0.419 χ^2/NDF : 405421.3/10

Right Out: 1452.227 $\pm$ 0.386 χ^2/NDF : 138666.1/19

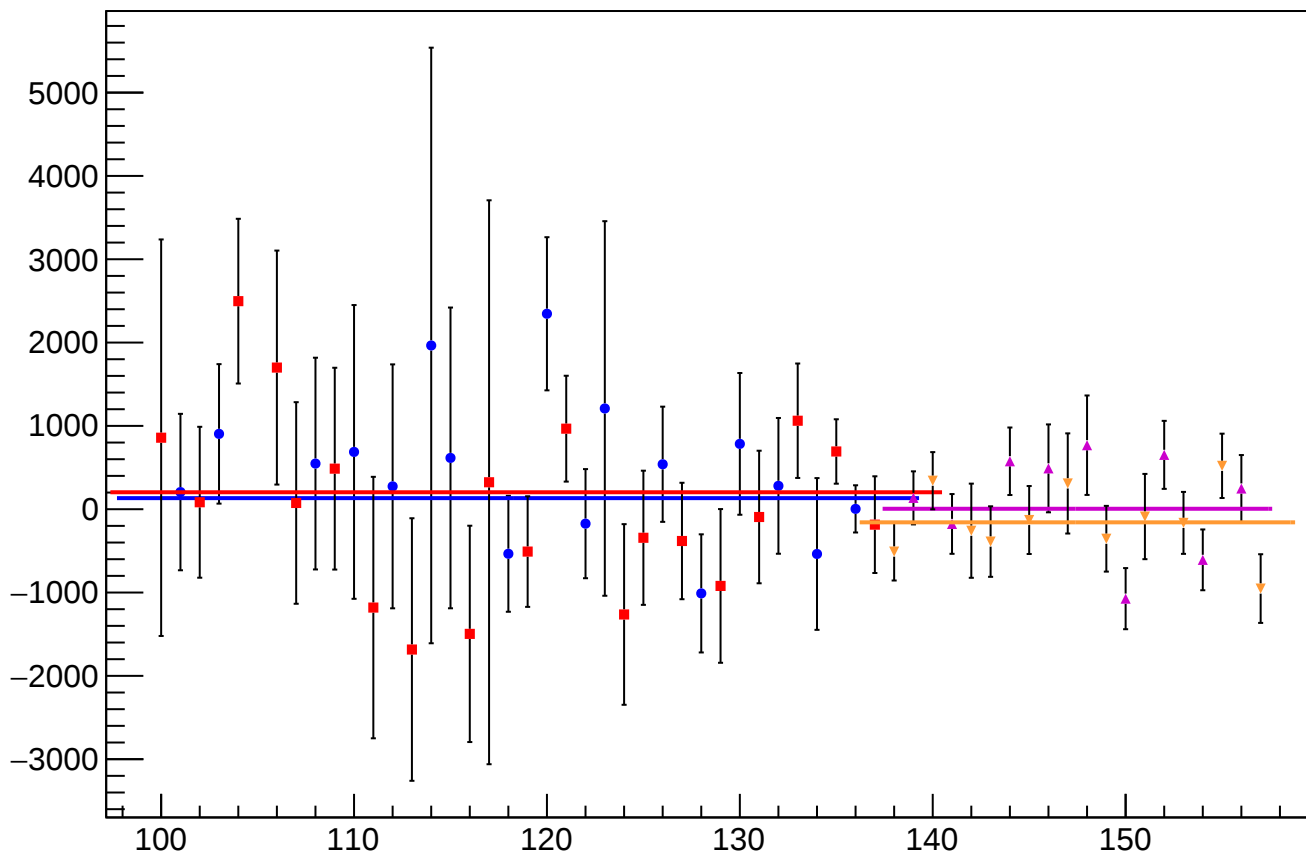
Left In: 1701.484 $\pm$ 0.448 χ^2/NDF : 287087.4/8

1547.506 $\pm$ 0.288 χ^2/NDF : 740029.1/27

1552.760 $\pm$ 0.205 χ^2/NDF : 1344083.4/56

1558.163 $\pm$ 0.292 χ^2/NDF : 603380.8/28

asym_sam1_mean vs Slug, Sign Corrected



Right In: 132.921 $\pm$ 180.271 χ^2/NDF : 12.9/16

Left Out: -157.515 $\pm$ 124.642 χ^2/NDF : 11.2/10

Right Out: 203.418 $\pm$ 184.080 χ^2/NDF : 21.4/19

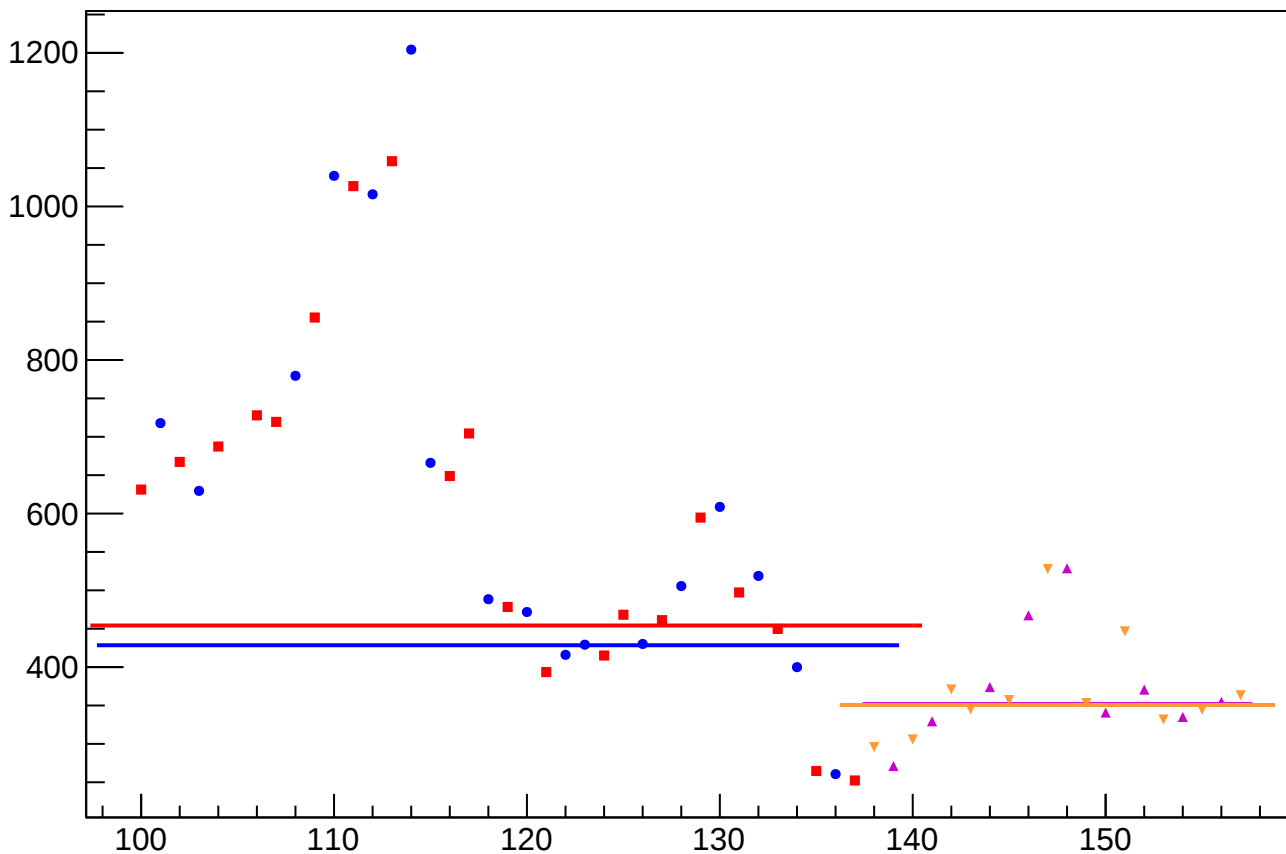
Left In: 5.298 $\pm$ 132.130 χ^2/NDF : 19.2/8

-63.578 $\pm$ 102.522 χ^2/NDF : 25.8/27

1.417 $\pm$ 74.139 χ^2/NDF : 68.1/56

72.665 $\pm$ 107.340 χ^2/NDF : 41.4/28

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.460 $\pm$ 0.127 χ^2 /NDF: 2011453.8/16

Left Out: 350.684 $\pm$ 0.088 χ^2 /NDF: 338968.6/10

Right Out: 454.177 $\pm$ 0.130 χ^2 /NDF: 2040775.1/19

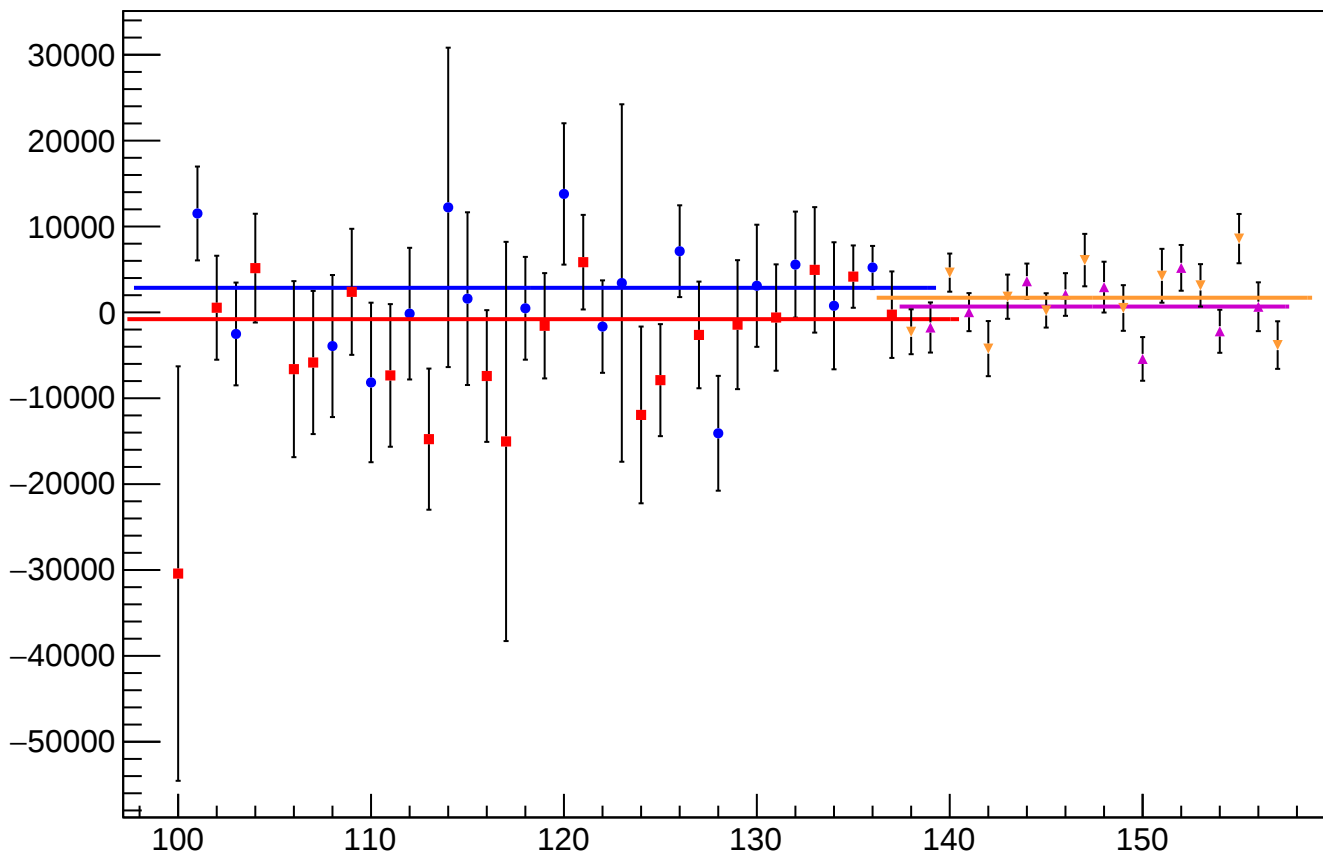
Left In: 351.871 $\pm$ 0.093 χ^2 /NDF: 424134.8/8

375.840 $\pm$ 0.072 χ^2 /NDF: 2602295.2/27

381.000 $\pm$ 0.052 χ^2 /NDF: 5485539.6/56

386.658 $\pm$ 0.076 χ^2 /NDF: 2872620.8/28

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2859.622+/-1447.884 χ^2/NDF : 16.7/16

Left Out: 1705.837+/-787.376 χ^2/NDF : 21.0/10

Right Out: -789.608+/-1506.053 χ^2/NDF : 14.4/19

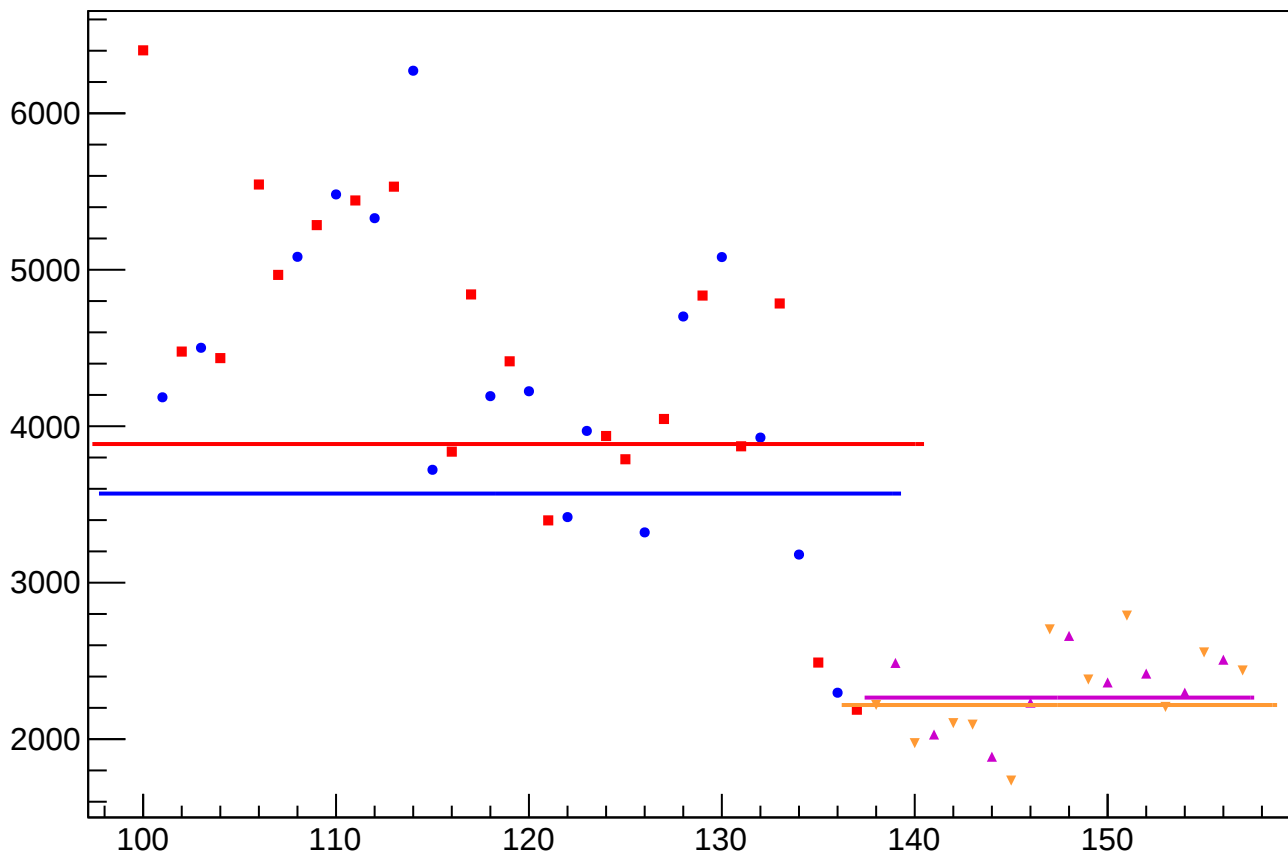
Left In: 677.223+/-841.396 χ^2/NDF : 13.7/8

1969.171+/-691.711 χ^2/NDF : 38.1/27

1197.963+/-503.573 χ^2/NDF : 69.5/56

328.302+/-734.537 χ^2/NDF : 28.8/28

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3569.631+/-1.024 χ^2/NDF : 1087935.4/16

Left Out: 2218.163+/-0.557 χ^2/NDF : 312514.9/10

Right Out: 3886.199+/-1.065 χ^2/NDF : 986485.7/19

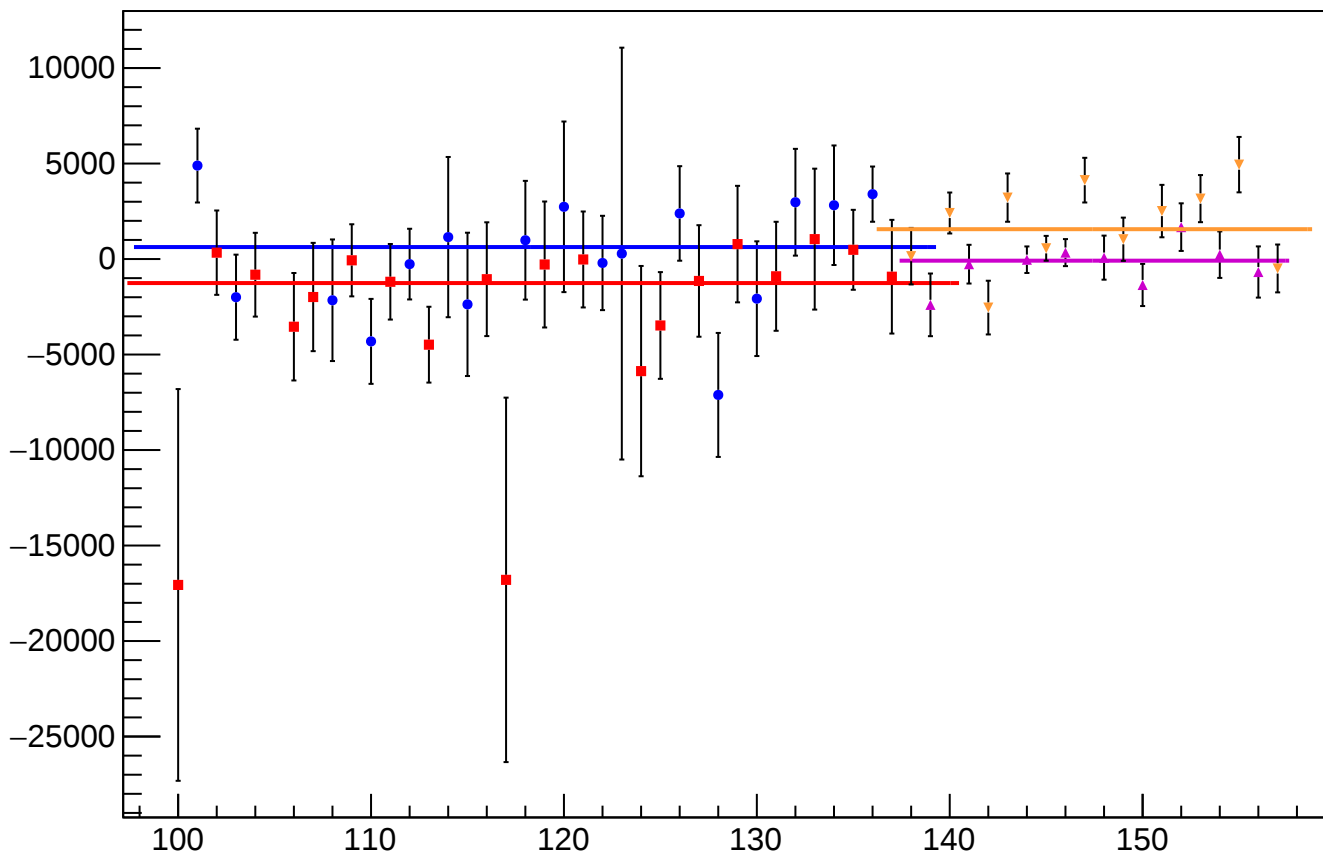
Left In: 2265.496+/-0.595 χ^2/NDF : 162093.1/8

2526.615+/-0.489 χ^2/NDF : 2745255.8/27

2585.085+/-0.356 χ^2/NDF : 5689397.0/56

2651.019+/-0.519 χ^2/NDF : 2913736.0/28

asym_sam3_mean vs Slug, Sign Corrected



Right In: 627.655 $\pm$ 620.929 χ^2/NDF : 25.1/16

Left Out: 1563.082 $\pm$ 340.306 χ^2/NDF : 29.5/10

Right Out: -1257.467 $\pm$ 601.857 χ^2/NDF : 12.6/19

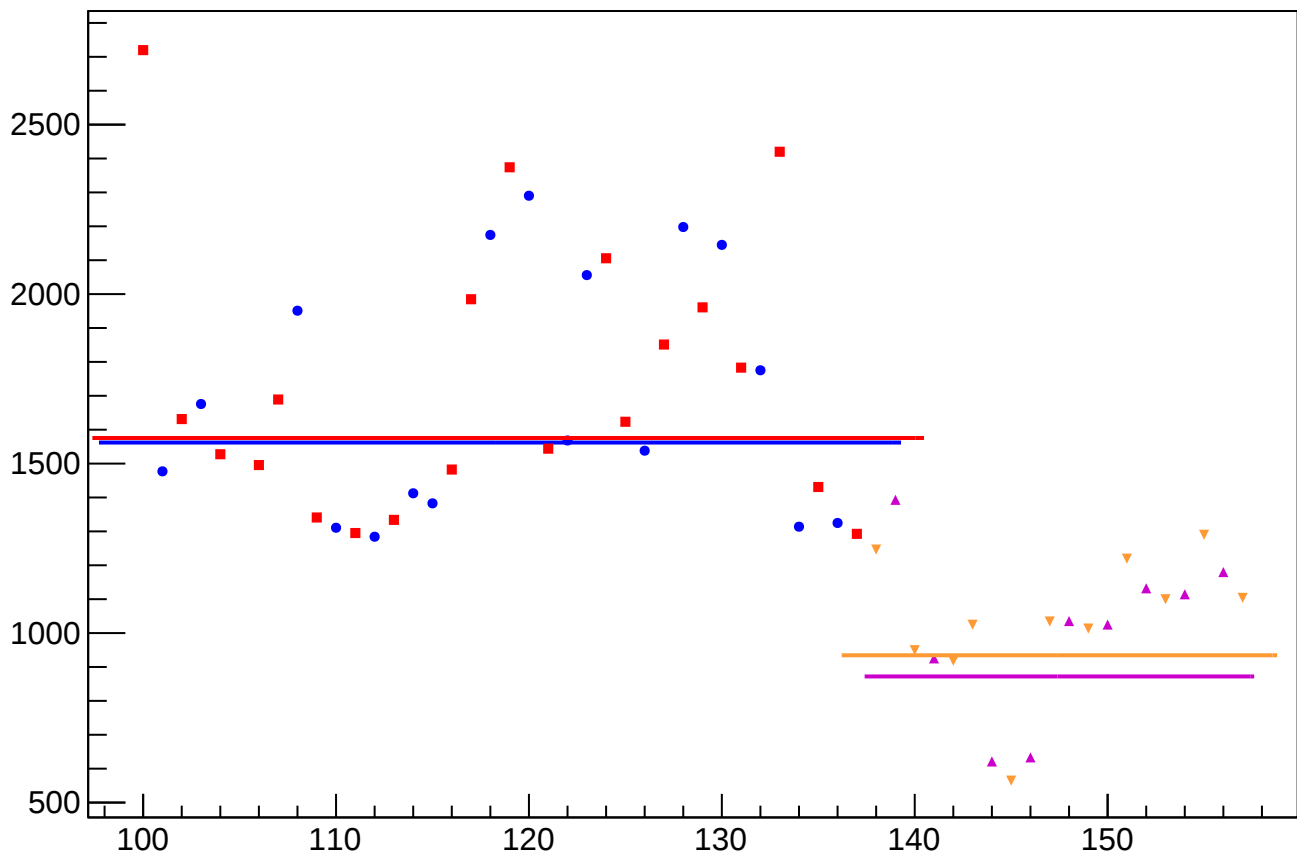
Left In: -85.594 $\pm$ 335.960 χ^2/NDF : 6.0/8

1347.010 $\pm$ 298.426 χ^2/NDF : 56.3/27

476.836 $\pm$ 209.202 χ^2/NDF : 94.4/56

-363.995 $\pm$ 293.351 χ^2/NDF : 21.4/28

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1562.101 +/- 0.439 χ^2/NDF : 482088.3/16

Left Out: 934.493 +/- 0.241 χ^2/NDF : 1049935.9/10

Right Out: 1575.541 +/- 0.426 χ^2/NDF : 467687.2/19

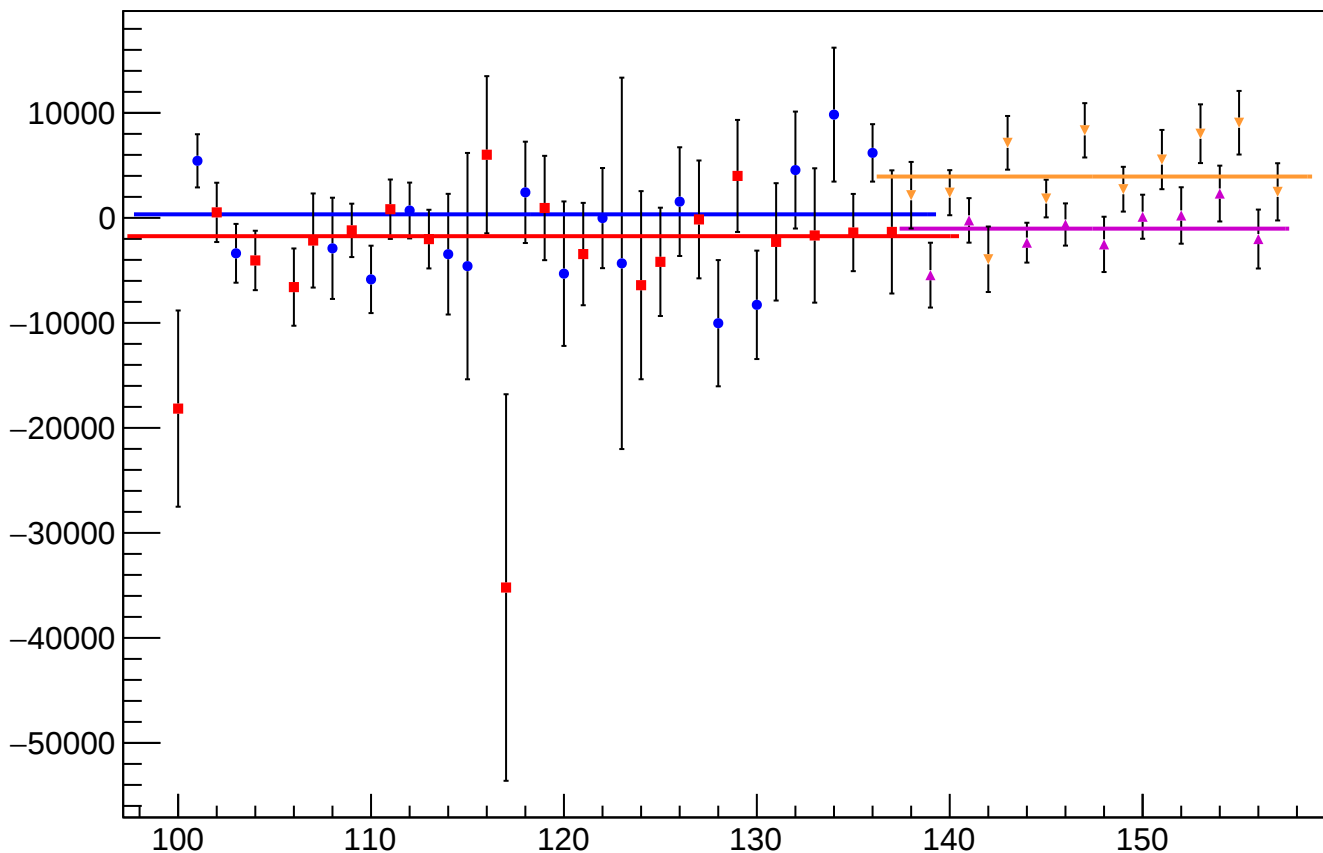
Left In: 872.056 +/- 0.238 χ^2/NDF : 1045903.7/8

1079.463 +/- 0.211 χ^2/NDF : 3103315.1/27

1058.977 +/- 0.148 χ^2/NDF : 6718751.5/56

1039.182 +/- 0.207 χ^2/NDF : 3596905.1/28

asym_sam4_mean vs Slug, Sign Corrected



Right In: 338.117 $\pm$ 995.842 χ^2 /NDF: 24.8/16

Left Out: 3936.724 $\pm$ 756.120 χ^2 /NDF:19.0/10

Right Out: -1742.470 $\pm$ 923.289 χ^2 /NDF: 13.6/19

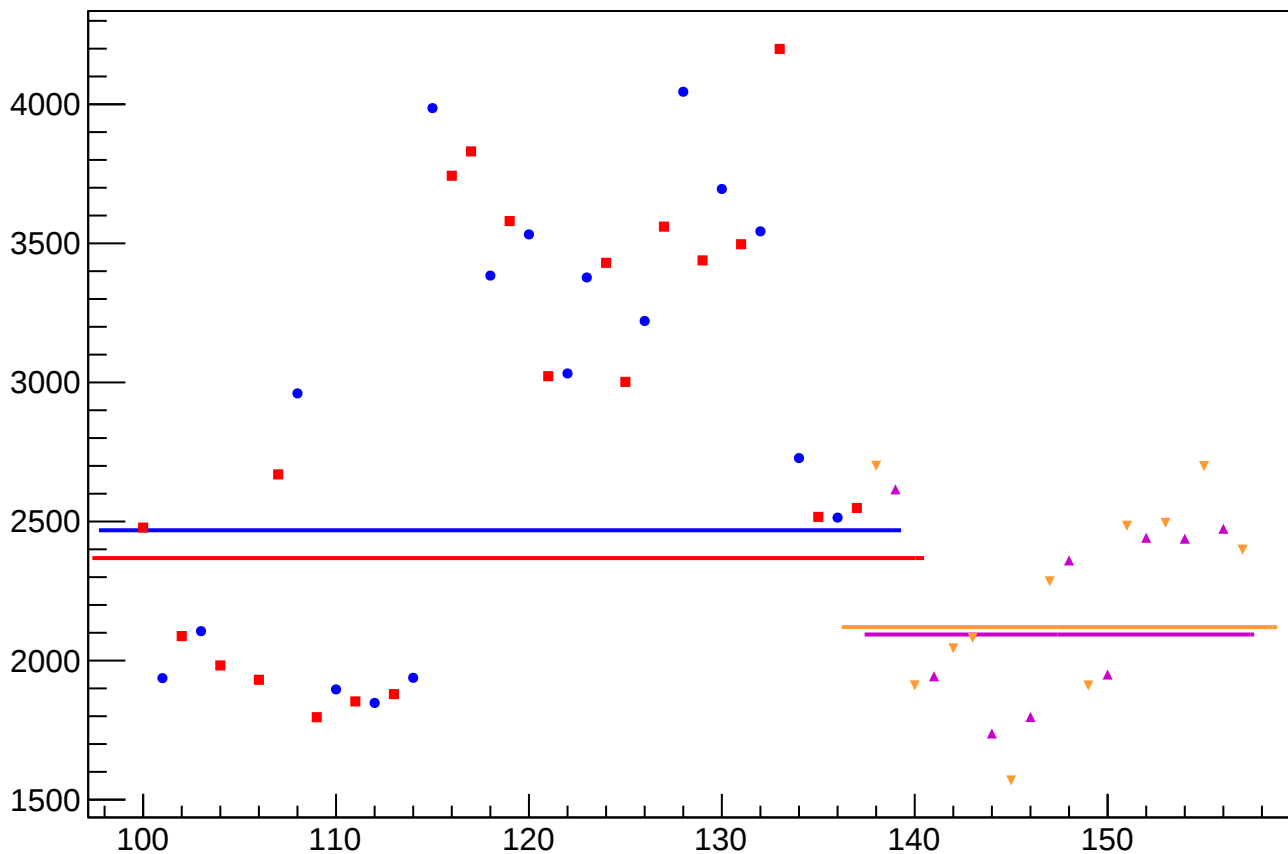
Left In: -1025.121 $\pm$ 782.964 χ^2 /NDF:5.3/8

2620.770 $\pm$ 602.204 χ^2 /NDF: 52.0/27

631.177 $\pm$ 424.026 χ^2 /NDF: 92.9/56

-1325.196 $\pm$ 597.155 χ^2 /NDF: 19.2/28

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2468.489+/-0.704 χ^2/NDF : 896153.6/16

Left Out: 2120.393+/-0.535 χ^2/NDF : 466951.8/10

Right Out: 2368.521+/-0.653 χ^2/NDF : 1037811.8/19

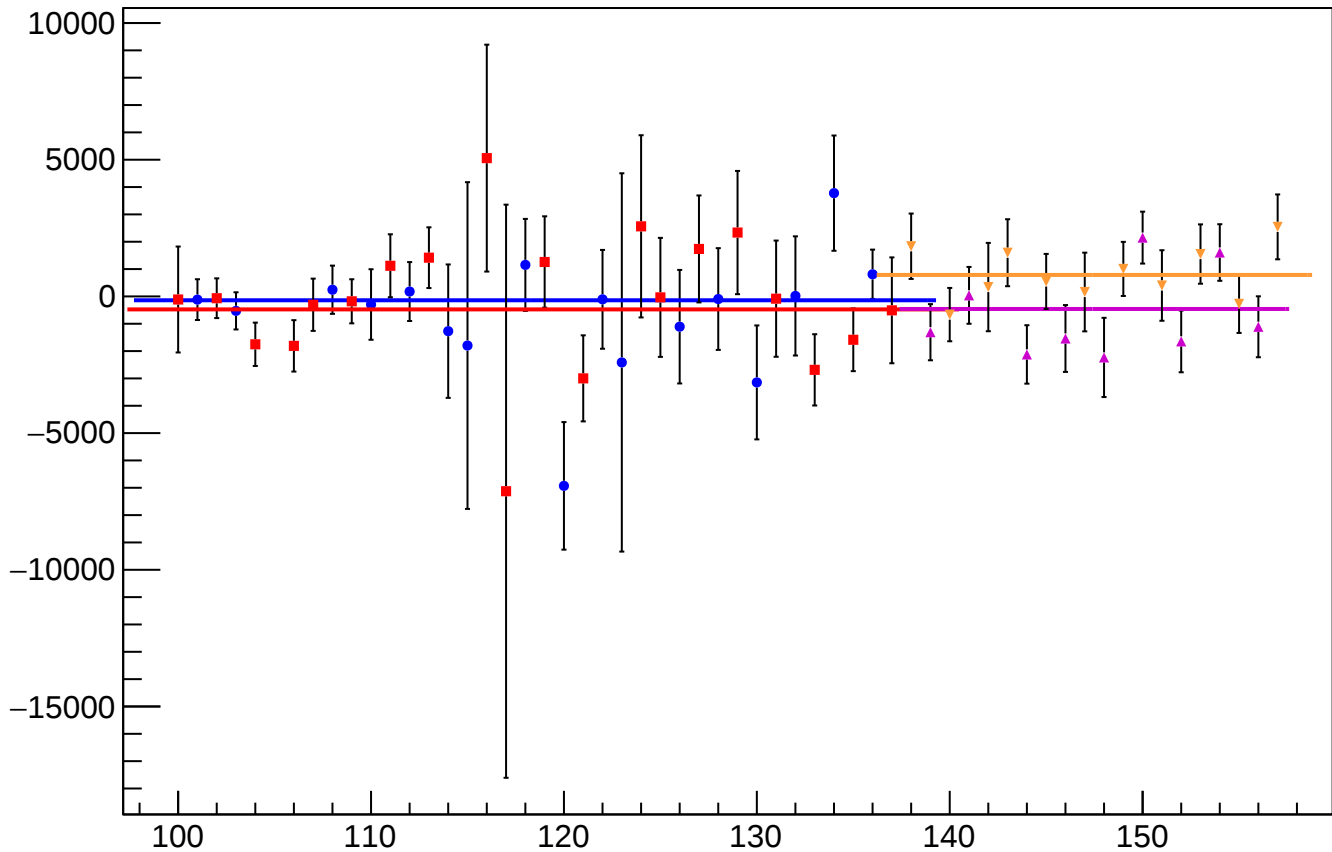
Left In: 2093.803+/-0.554 χ^2/NDF : 314682.0/8

2247.686+/-0.426 χ^2/NDF : 1518113.1/27

2228.039+/-0.300 χ^2/NDF : 2977824.7/56

2208.721+/-0.422 χ^2/NDF : 1455489.7/28

asym_sam5_mean vs Slug, Sign Corrected



Right In: -141.213+/-313.319 χ^2 /NDF: 16.9/16

Left Out: 785.561+/-346.466 χ^2 /NDF: 7.6/10

Right Out: -474.987+/-282.789 χ^2 /NDF: 23.3/19

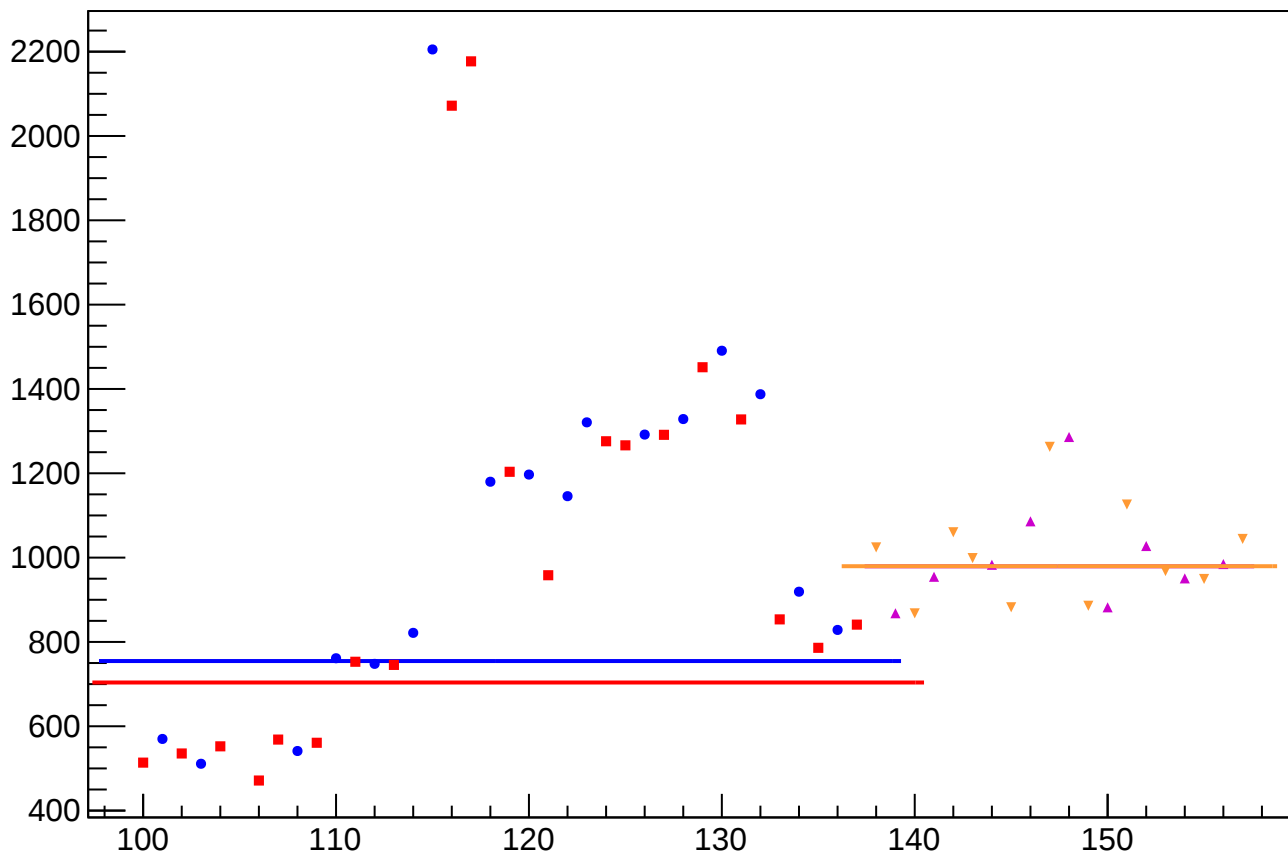
Left In: -459.306+/-364.529 χ^2 /NDF: 18.6/8

275.731+/-232.387 χ^2 /NDF: 28.4/27

-111.300+/-161.065 χ^2 /NDF: 75.7/56

-469.096+/-223.438 χ^2 /NDF: 41.9/28

asym_sam5_rms vs Slug, Sign Corrected



Right In: 754.684 $\pm$ 0.222 χ^2 /NDF: 1690621.2/16

Left Out: 979.597 $\pm$ 0.245 χ^2 /NDF: 182085.2/10

Right Out: 703.794 $\pm$ 0.200 χ^2 /NDF: 1731134.6/19

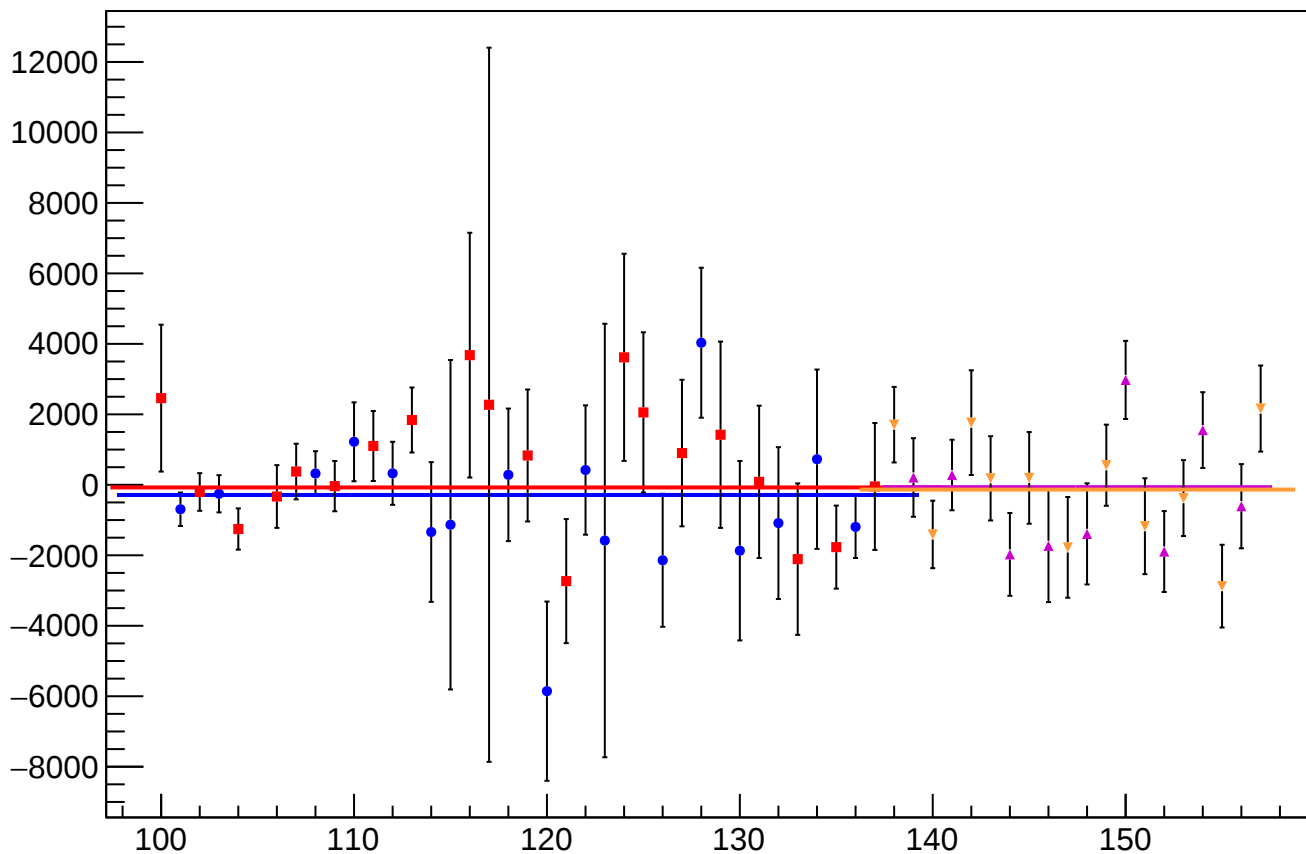
Left In: 979.330 $\pm$ 0.258 χ^2 /NDF: 155682.1/8

855.869 $\pm$ 0.164 χ^2 /NDF: 2336357.2/27

830.639 $\pm$ 0.114 χ^2 /NDF: 4981905.5/56

807.315 $\pm$ 0.158 χ^2 /NDF: 2600180.5/28

asym_sam6_mean vs Slug, Sign Corrected



Right In: -288.037 $\pm$ 250.436 χ^2/NDF : 16.2/16

Left Out: -135.178 $\pm$ 359.378 χ^2/NDF : 17.8/10

Right Out: -74.735 $\pm$ 246.011 χ^2/NDF : 21.4/19

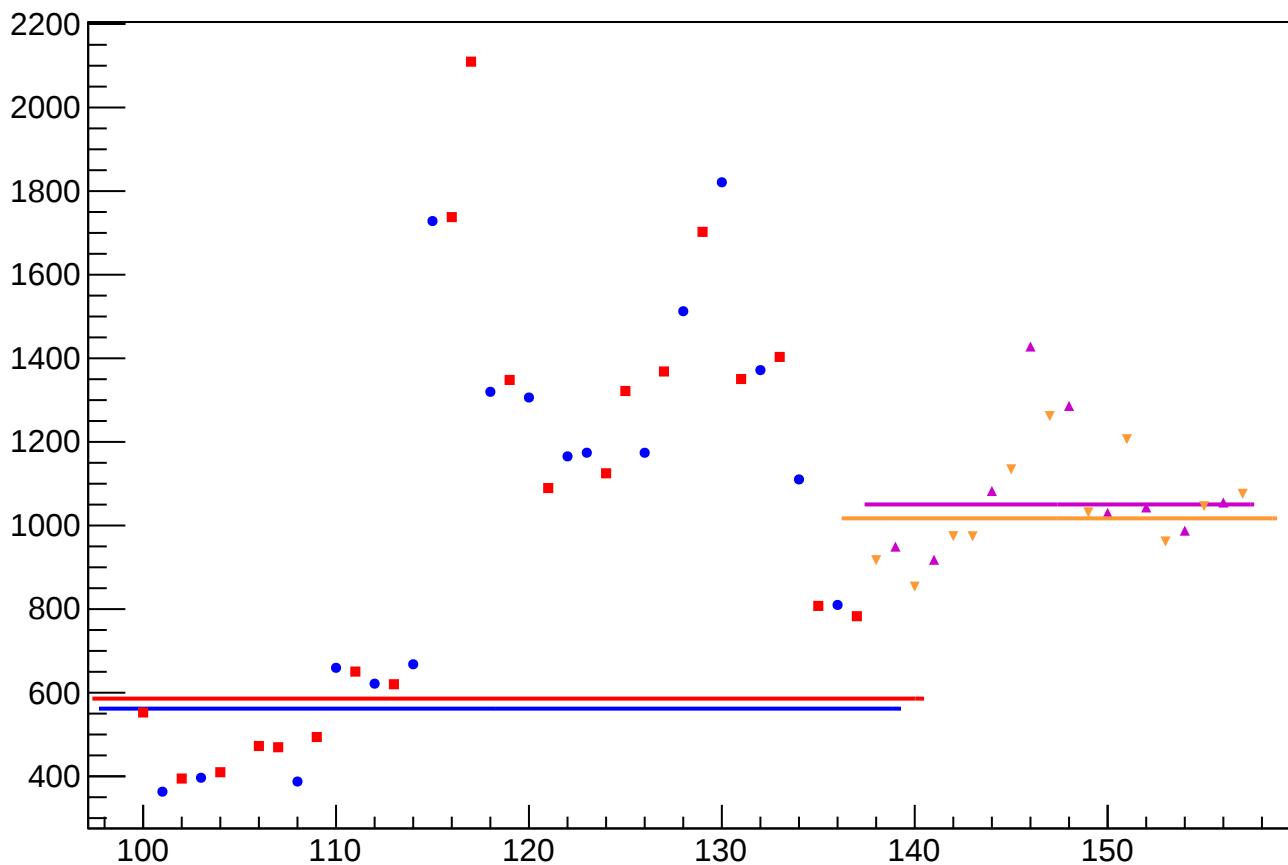
Left In: -66.880 $\pm$ 390.959 χ^2/NDF : 17.3/8

-238.071 $\pm$ 205.468 χ^2/NDF : 34.1/27

-156.390 $\pm$ 146.250 χ^2/NDF : 73.1/56

-72.507 $\pm$ 208.218 χ^2/NDF : 38.7/28

asym_sam6_rms vs Slug, Sign Corrected



Right In: 561.894 $\pm$ 0.177 χ^2 /NDF: 3216651.3/16

Left Out: 1017.121 $\pm$ 0.254 χ^2 /NDF: 204778.5/10

Right Out: 585.891 $\pm$ 0.174 χ^2 /NDF: 2869692.7/19

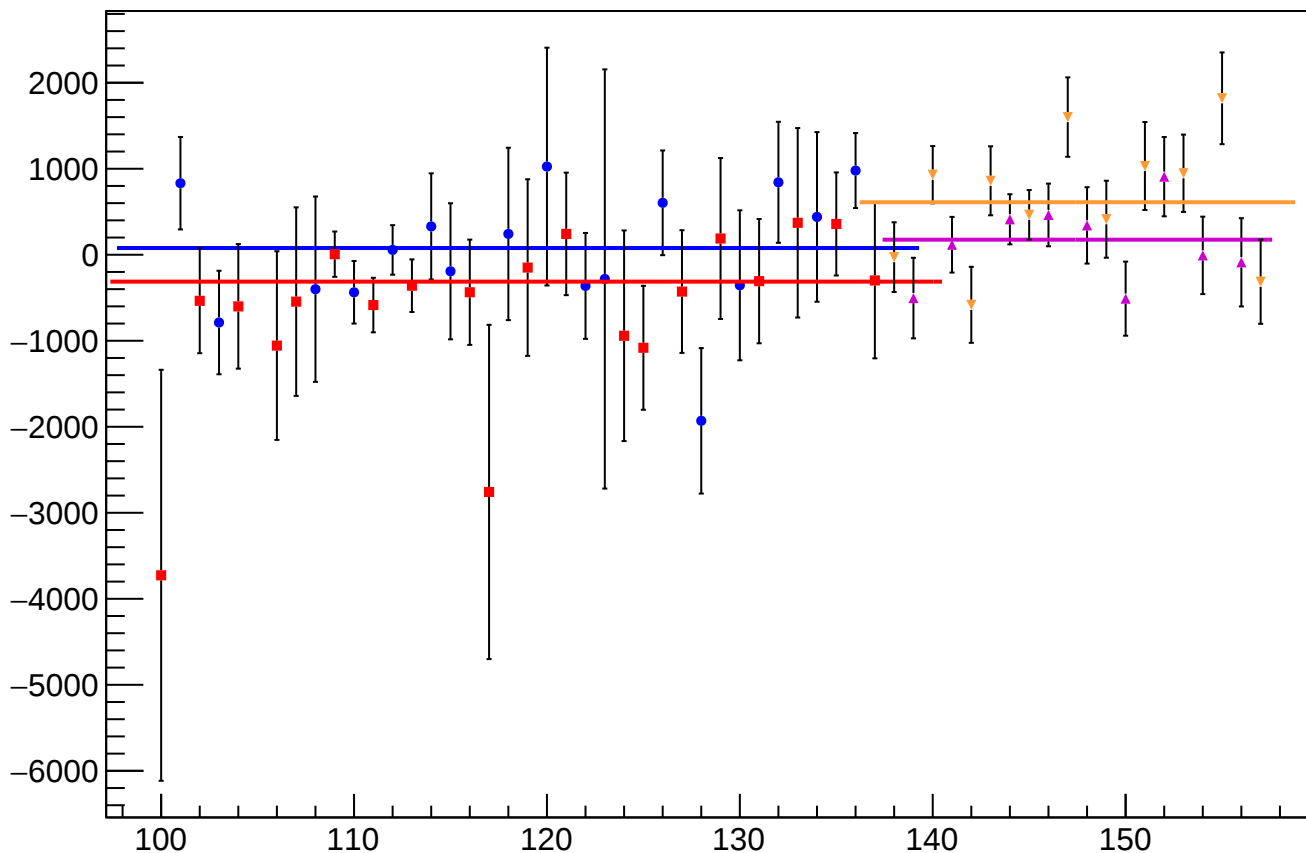
Left In: 1050.378 $\pm$ 0.276 χ^2 /NDF: 226248.0/8

710.697 $\pm$ 0.145 χ^2 /NDF: 5581554.7/27

714.122 $\pm$ 0.103 χ^2 /NDF: 10700907.0/56

717.640 $\pm$ 0.147 χ^2 /NDF: 5118225.5/28

asym_sam7_mean vs Slug, Sign Corrected



Right In: 78.184 ± 142.869 $\chi^2/\text{NDF}: 19.8/16$

Left Out: 610.515 ± 124.382 $\chi^2/\text{NDF}: 26.1/10$

Right Out: -312.536 ± 129.362 $\chi^2/\text{NDF}: 10.7/19$

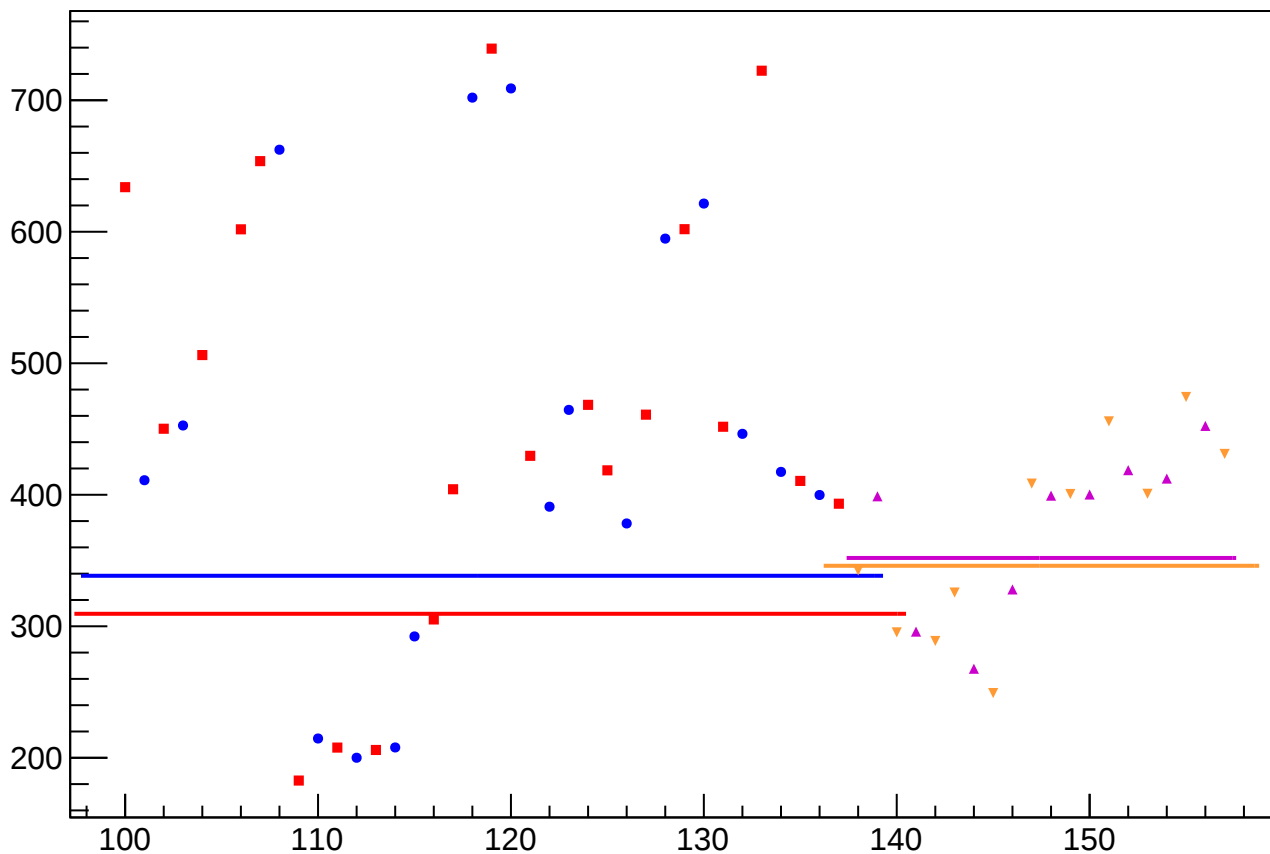
Left In: 175.217 ± 132.097 $\chi^2/\text{NDF}: 9.0/8$

380.999 ± 93.811 $\chi^2/\text{NDF}: 53.7/27$

150.233 ± 65.839 $\chi^2/\text{NDF}: 92.3/56$

-73.761 ± 92.424 $\chi^2/\text{NDF}: 26.7/28$

asym_sam7_rms vs Slug, Sign Corrected



Right In: 338.408 $\pm$ 0.101 χ^2/NDF : 2009287.1/16

Left Out: 346.009 $\pm$ 0.088 χ^2/NDF : 674835.2/10

Right Out: 309.503 $\pm$ 0.091 χ^2/NDF : 2738236.3/19

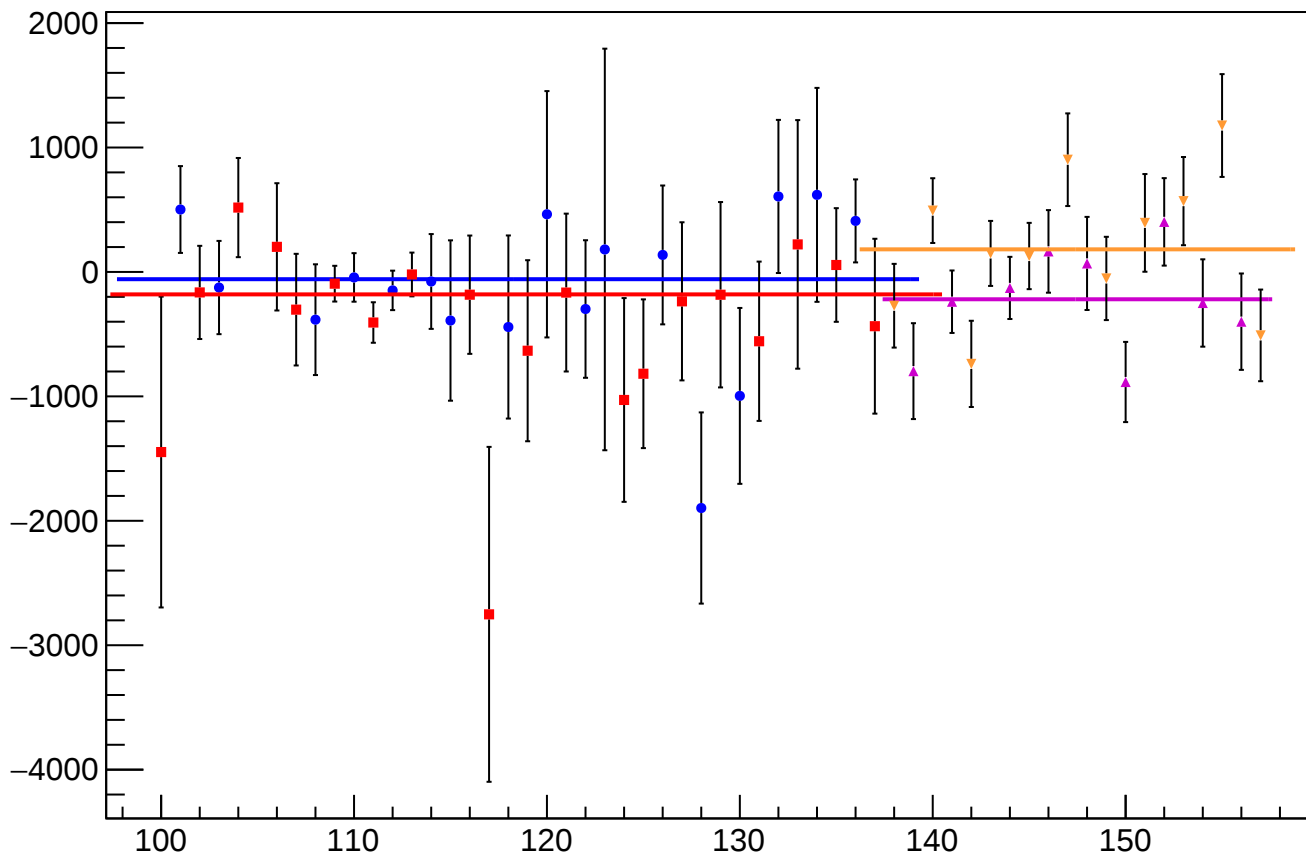
Left In: 351.961 $\pm$ 0.093 χ^2/NDF : 458045.1/8

342.732 $\pm$ 0.066 χ^2/NDF : 2687342.7/27

336.417 $\pm$ 0.047 χ^2/NDF : 6006953.2/56

330.288 $\pm$ 0.065 χ^2/NDF : 3301753.2/28

asym_sam8_mean vs Slug, Sign Corrected



Right In: -58.299 ± 90.484 χ^2/NDF : 15.9/16

Left Out: 181.600 ± 97.821 χ^2/NDF : 25.4/10

Right Out: -180.354 ± 76.795 χ^2/NDF : 15.0/19

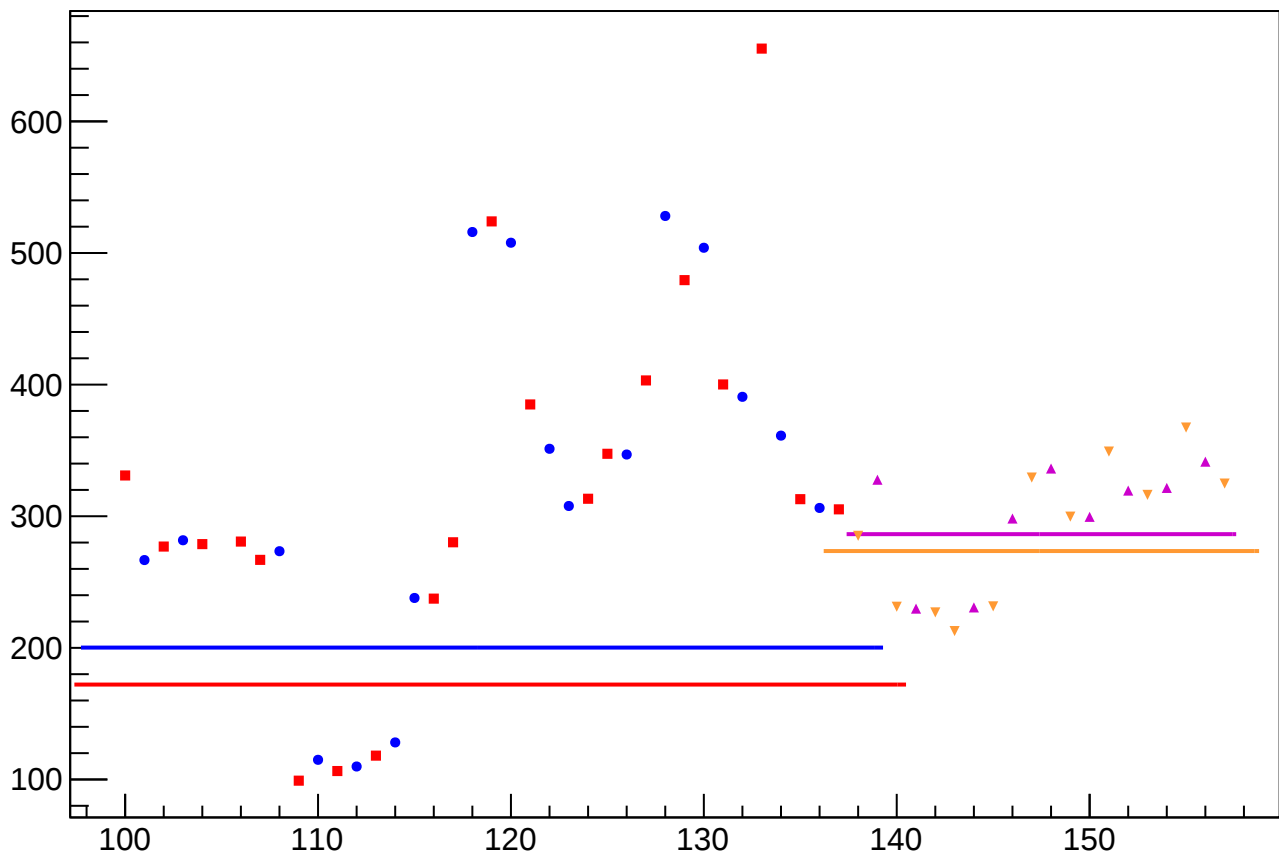
Left In: -219.641 ± 106.986 χ^2/NDF : 11.9/8

52.318 ± 66.424 χ^2/NDF : 44.5/27

-78.403 ± 45.474 χ^2/NDF : 78.8/56

-193.713 ± 62.386 χ^2/NDF : 27.0/28

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.209 ± 0.064 χ^2/NDF : 3387197.7/16

Left Out: 273.556 ± 0.069 χ^2/NDF : 551842.6/10

Right Out: 172.110 ± 0.054 χ^2/NDF : 4106869.2/19

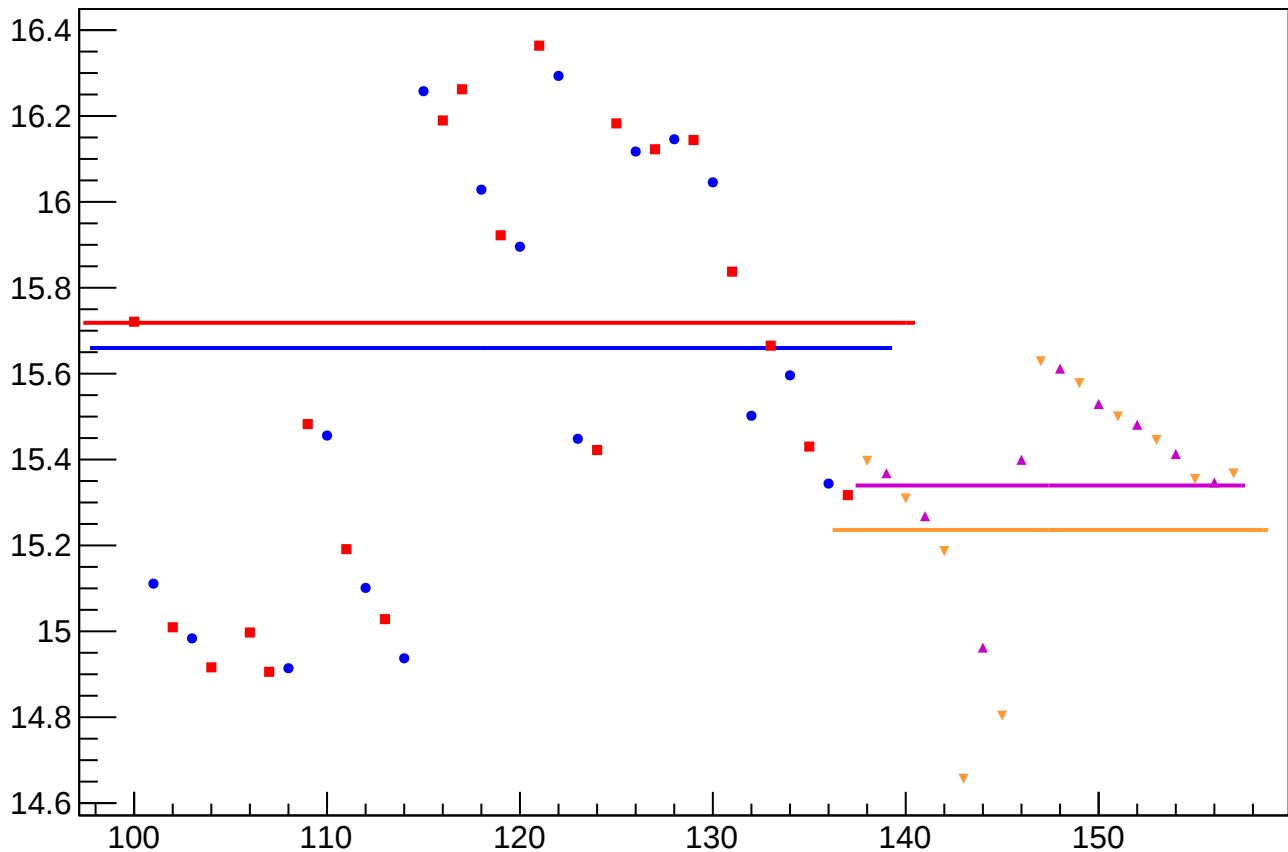
Left In: 286.387 ± 0.076 χ^2/NDF : 343622.9/8

234.029 ± 0.047 χ^2/NDF : 4545006.3/27

221.777 ± 0.032 χ^2/NDF : 10629529.5/56

210.968 ± 0.044 χ^2/NDF : 5956445.8/28

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.660 $\pm$ 0.000 χ^2 /NDF: 5782644553.5/16

Left Out: 15.236 $\pm$ 0.000 χ^2 /NDF: 6210706609.9/10

Right Out: 15.718 $\pm$ 0.000 χ^2 /NDF: 5490626945.9/19

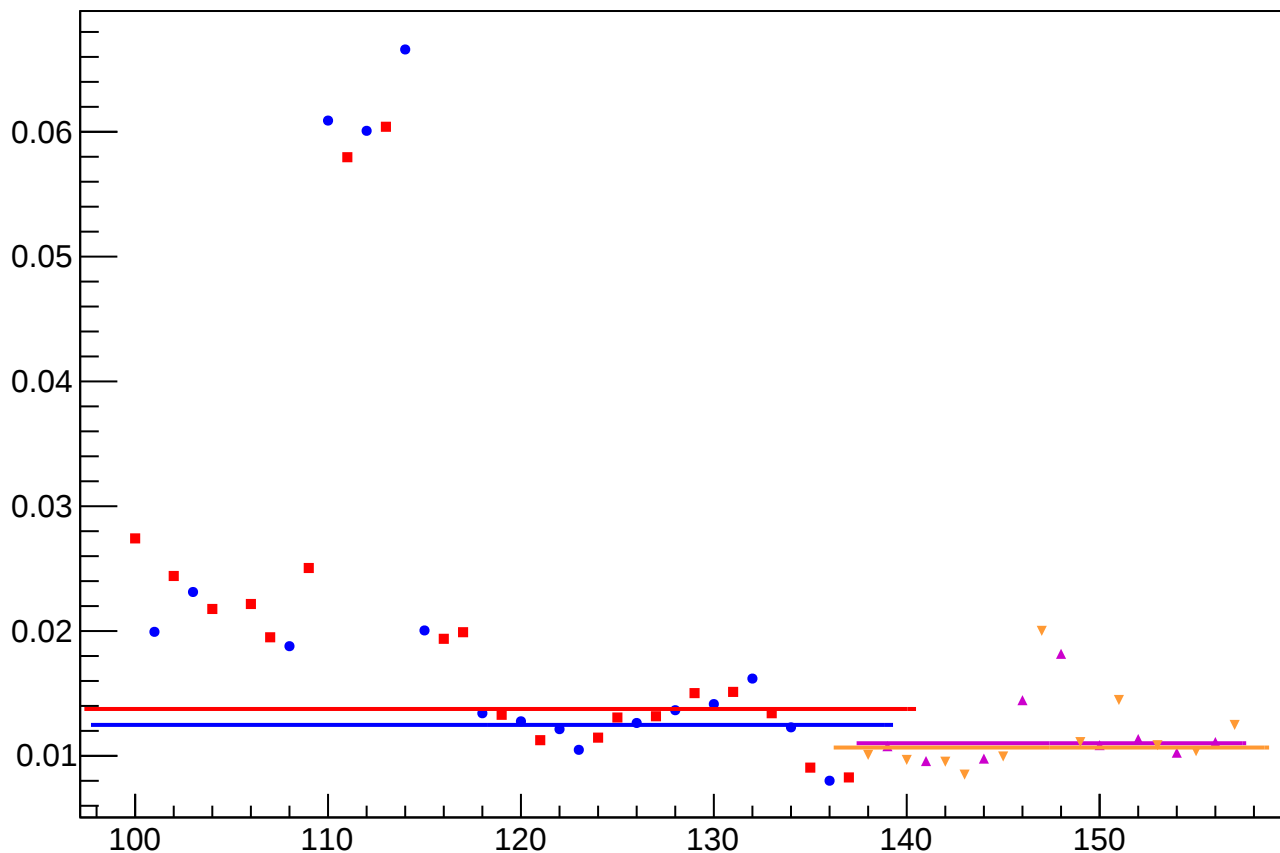
Left In: 15.340 $\pm$ 0.000 χ^2 /NDF: 1868380514.3/8

15.379 $\pm$ 0.000 χ^2 /NDF: 15929827897.7/27

15.421 $\pm$ 0.000 χ^2 /NDF: 26395835686.2/27

15.468 $\pm$ 0.000 χ^2 /NDF: 10102285511.5/28

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:582669.3/10

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2084935.7/19

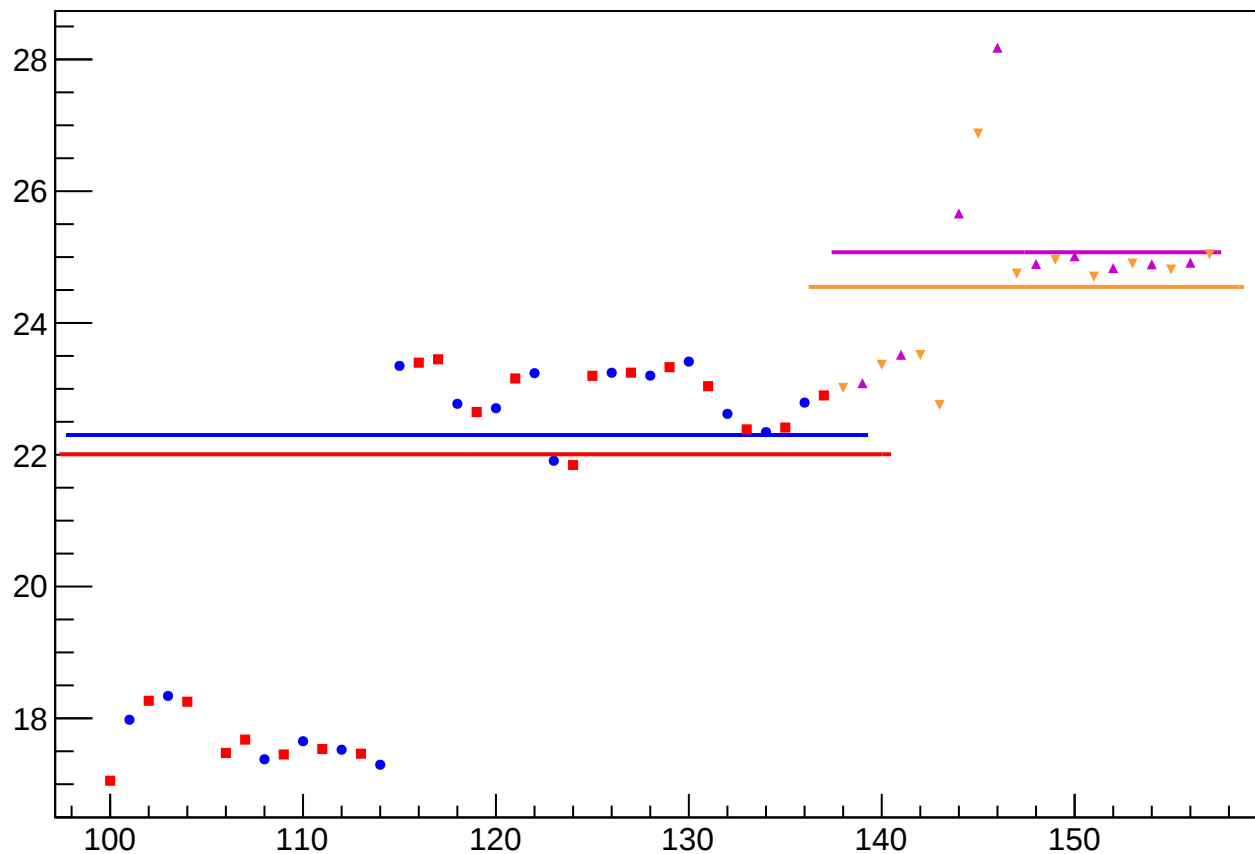
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:392705.6/8

0.011 $\pm$ 0.000 χ^2 /NDF: 2879771.7/27

0.012 $\pm$ 0.000 χ^2 /NDF: 5685940.9/56

0.012 $\pm$ 0.000 χ^2 /NDF: 2765802.8/28

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.300+/-0.000 χ^2/NDF : 938398636.8/16

Left Out: 24.547+/-0.000 χ^2/NDF : 834478479.2/10

Right Out: 22.007+/-0.000 χ^2/NDF : 1068683102.9/19

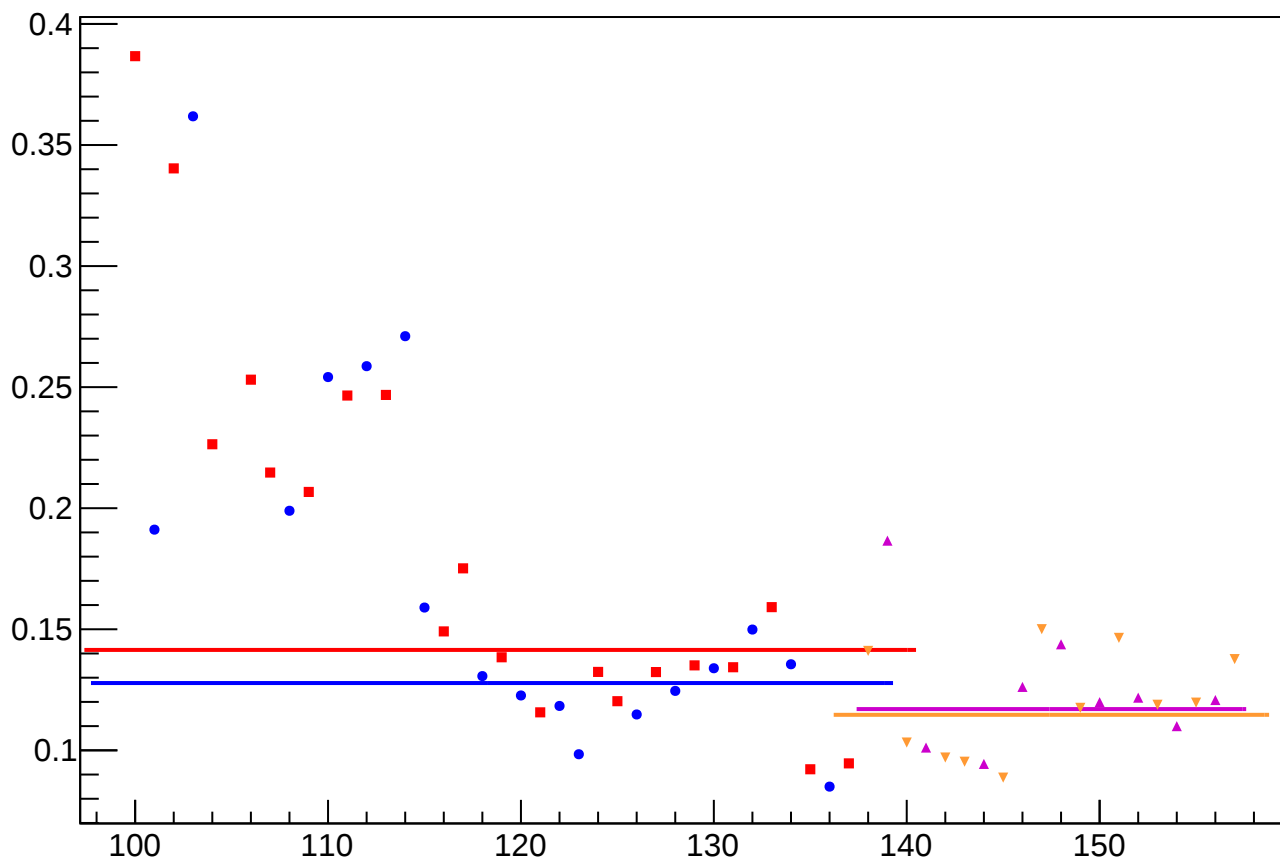
Left In: 25.073+/-0.000 χ^2/NDF : 698047398.1/8

23.701+/-0.000 χ^2/NDF : 2748297900.9/27

23.800+/-0.000 χ^2/NDF : 6149932175.5/5

23.912+/-0.000 χ^2/NDF : 3384454581.5/28

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.128+/-0.000 χ^2/NDF : 1492109.7/16

Left Out: 0.115+/-0.000 χ^2/NDF : 421666.3/10

Right Out: 0.141+/-0.000 χ^2/NDF : 1452162.4/19

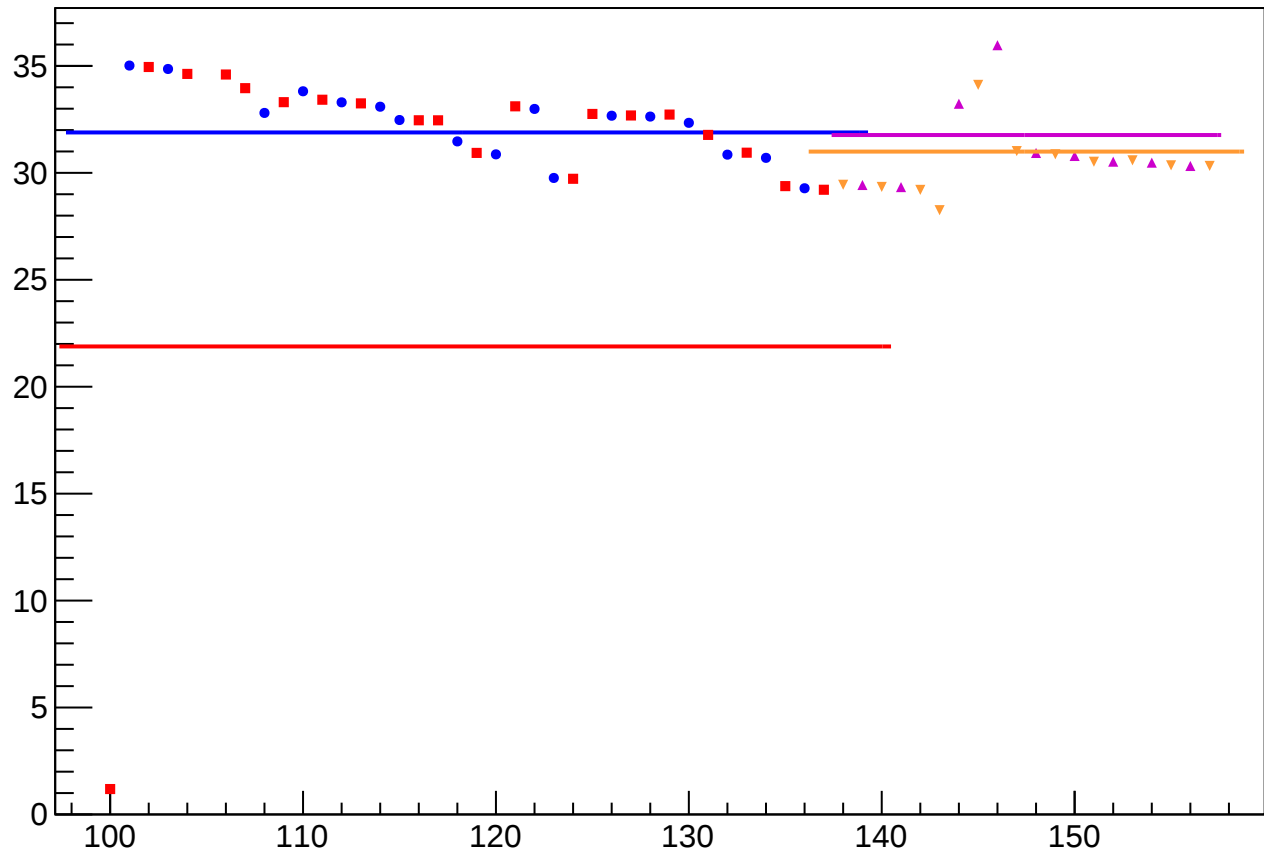
Left In: 0.117+/-0.000 χ^2/NDF : 384512.8/8

0.120+/-0.000 χ^2/NDF : 1980334.2/27

0.123+/-0.000 χ^2/NDF : 4057068.5/56

0.126+/-0.000 χ^2/NDF : 2042081.1/28

yield_sam3_mean vs Slug, Sign Corrected



Right In: 31.889+/-0.000 χ^2/NDF : 1930403776.3/16

Left Out: 30.994+/-0.000 χ^2/NDF : 4330677394.4/10

Right Out: 21.883+/-0.000 χ^2/NDF : 230247118310.5/19

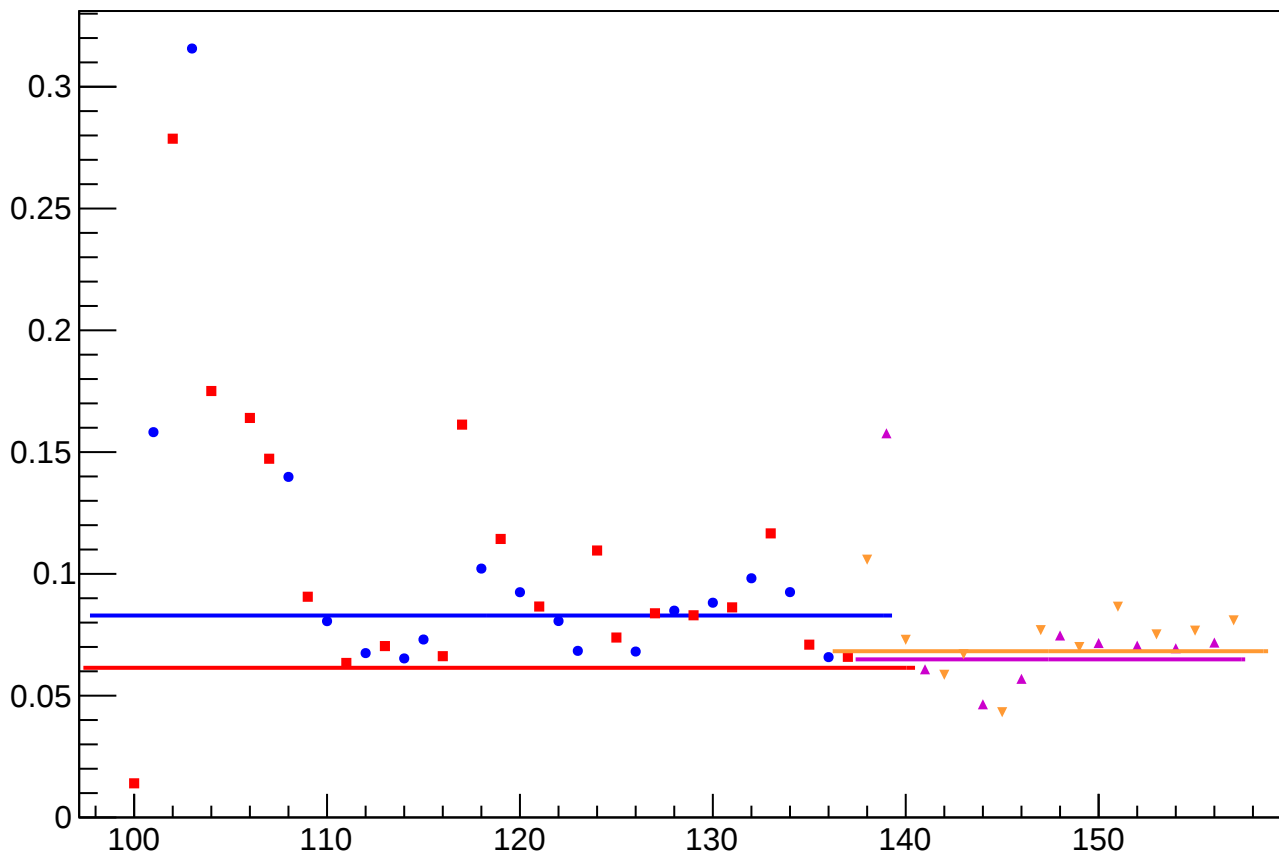
Left In: 31.769+/-0.000 χ^2/NDF : 5830804842.6/8

31.315+/-0.000 χ^2/NDF : 6627257094.8/27

29.127+/-0.000 χ^2/NDF : 317067384169.6

27.269+/-0.000 χ^2/NDF : 292838121930.6/28

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.083 ± 0.000 χ^2/NDF : 1164452.3/16

Left Out: 0.068 ± 0.000 χ^2/NDF : 657830.6/10

Right Out: 0.061 ± 0.000 χ^2/NDF : 3635656.2/19

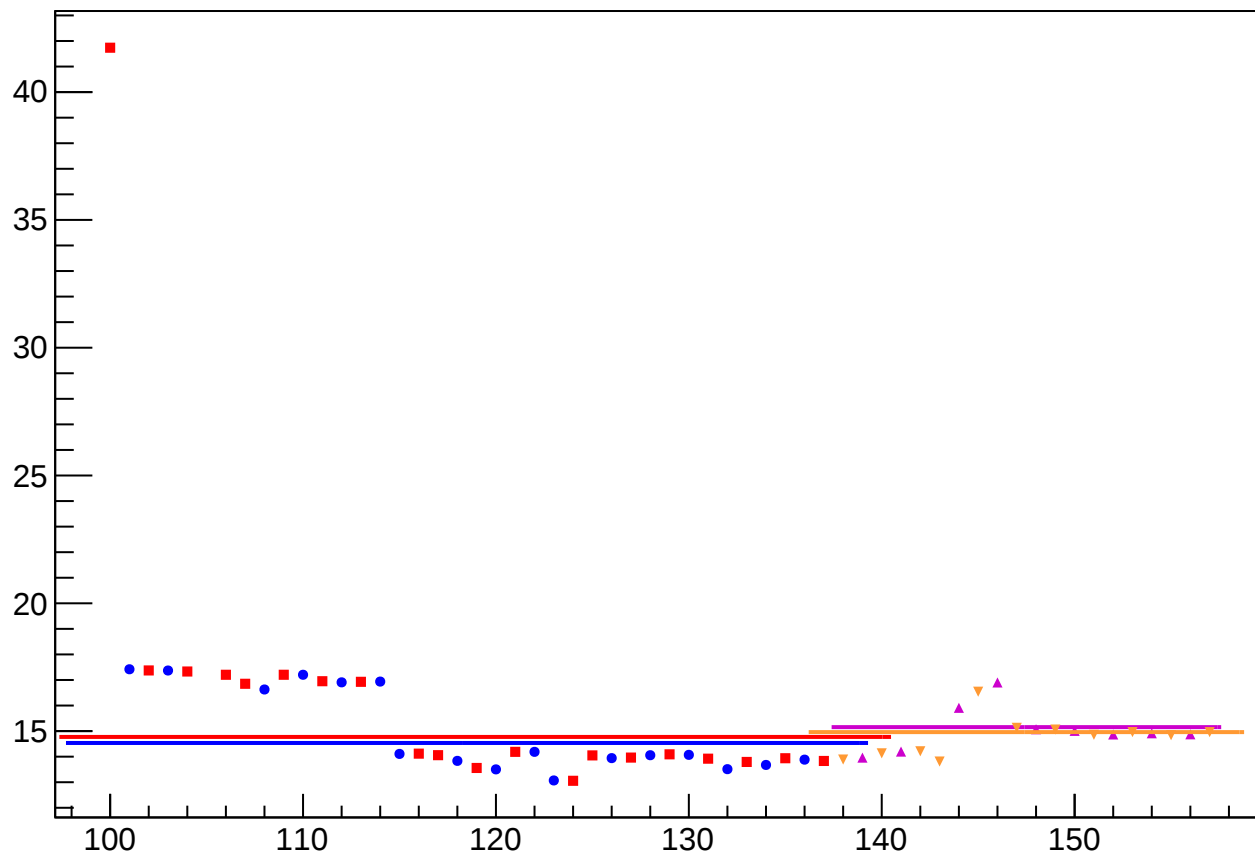
Left In: 0.065 ± 0.000 χ^2/NDF : 765152.1/8

0.074 ± 0.000 χ^2/NDF : 2018640.8/27

0.068 ± 0.000 χ^2/NDF : 6656163.1/56

0.063 ± 0.000 χ^2/NDF : 4414726.2/28

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.536+/-0.000 χ^2/NDF : 1470499792.7/16

Left Out: 14.961+/-0.000 χ^2/NDF : 946948341.0/10

Right Out: 14.772+/-0.000 χ^2/NDF : 1887789052.4/19

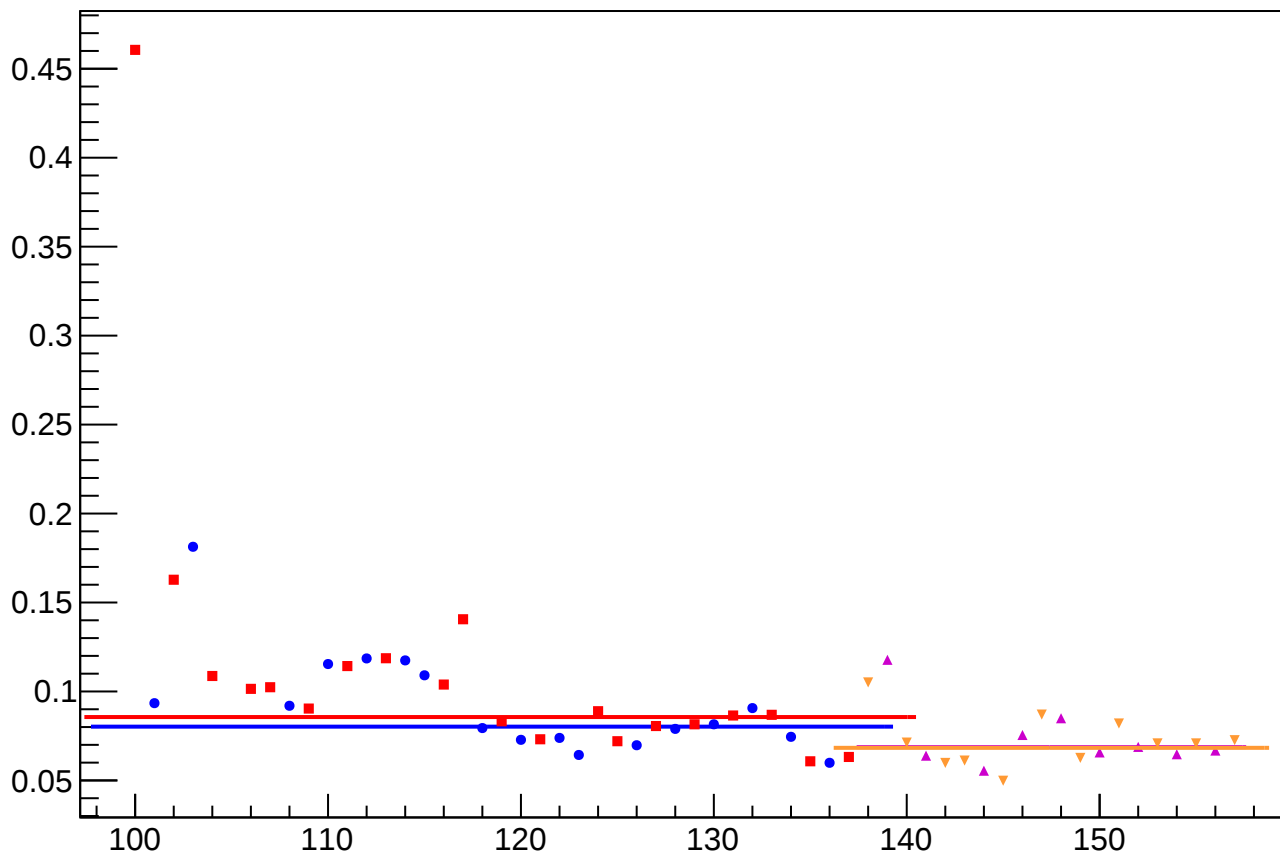
Left In: 15.155+/-0.000 χ^2/NDF : 734085253.0/8

14.799+/-0.000 χ^2/NDF : 2513599590.2/27

14.899+/-0.000 χ^2/NDF : 5255297265.1/5

15.008+/-0.000 χ^2/NDF : 2694653172.9/28

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.080+/-0.000 χ^2/NDF : 778734.5/16

Left Out: 0.068+/-0.000 χ^2/NDF : 467404.2/10

Right Out: 0.086+/-0.000 χ^2/NDF : 750289.2/19

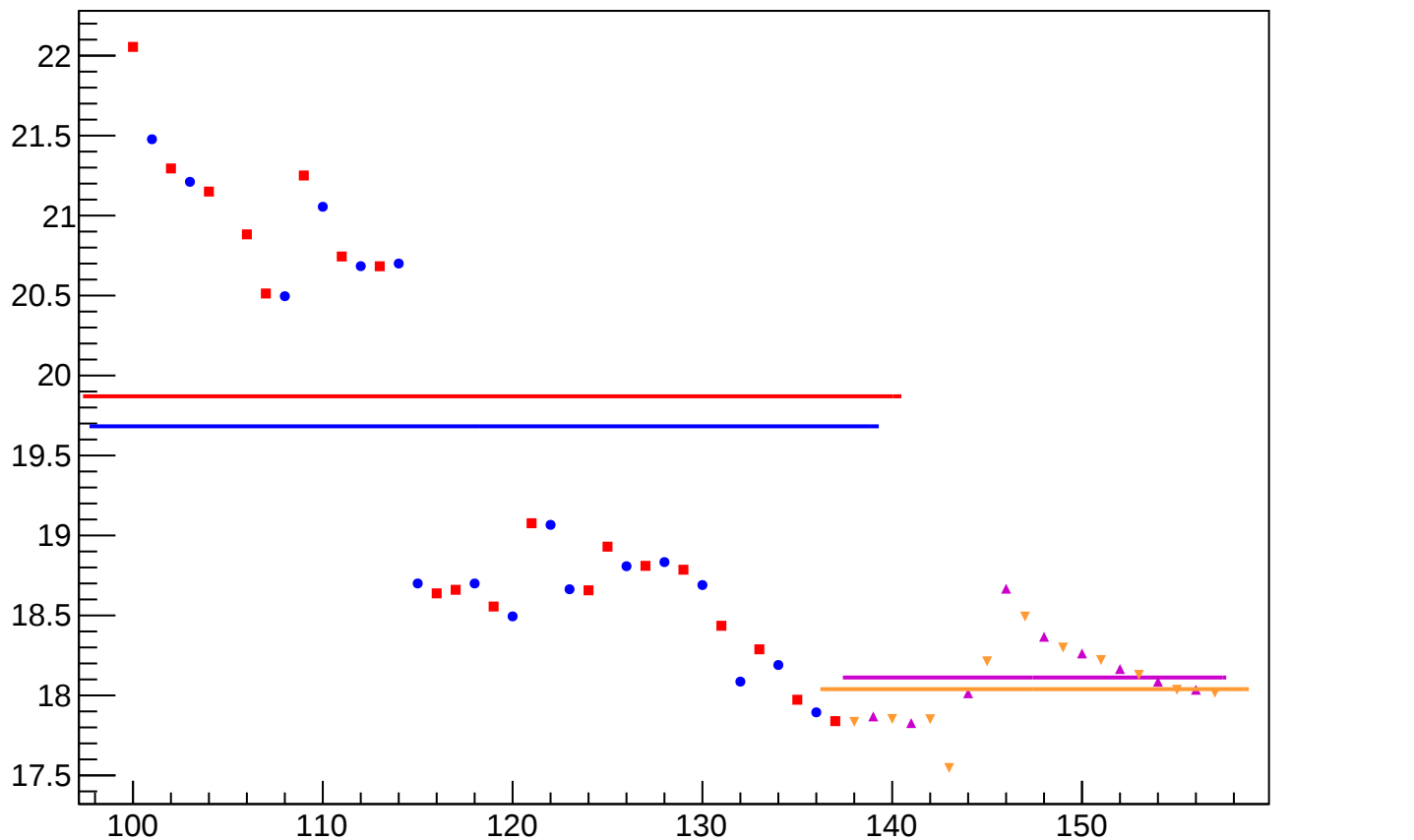
Left In: 0.069+/-0.000 χ^2/NDF : 399415.0/8

0.073+/-0.000 χ^2/NDF : 1397022.4/27

0.074+/-0.000 χ^2/NDF : 2842462.7/56

0.075+/-0.000 χ^2/NDF : 1433007.6/28

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.683+/-0.000 χ^2/NDF : 12276801857.2/16

Left Out: 18.039+/-0.000 χ^2/NDF : 397497582.6/10

Right Out: 19.870+/-0.000 χ^2/NDF : 11333011670.6/19

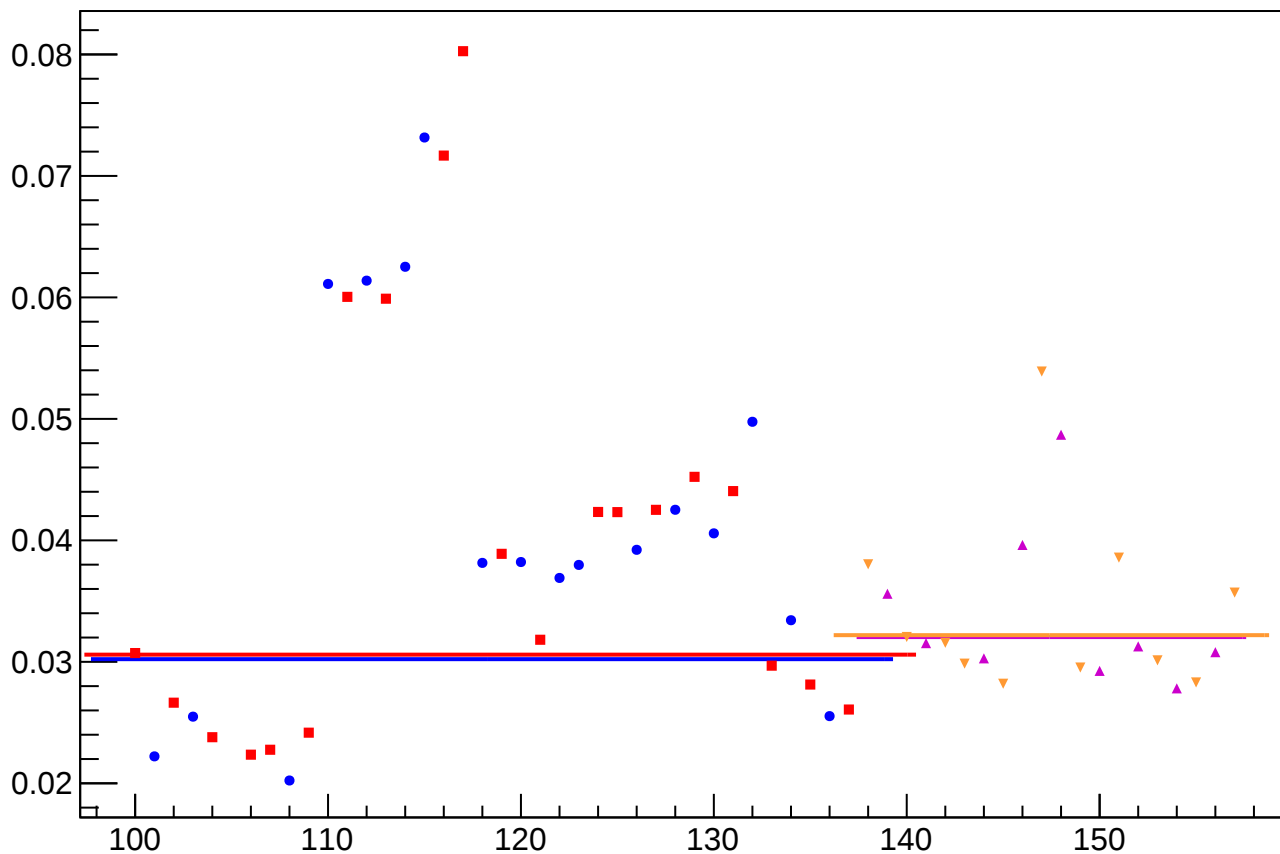
Left In: 18.112+/-0.000 χ^2/NDF : 305277949.9/8

18.790+/-0.000 χ^2/NDF : 21642812921.5/27

18.875+/-0.000 χ^2/NDF : 43579424976.5/27

18.962+/-0.000 χ^2/NDF : 21740247490.8/28

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030 +/- 0.000 χ^2/NDF : 1324518.2/16

Left Out: 0.032 +/- 0.000 χ^2/NDF : 416604.0/10

Right Out: 0.031 +/- 0.000 χ^2/NDF : 1219224.0/19

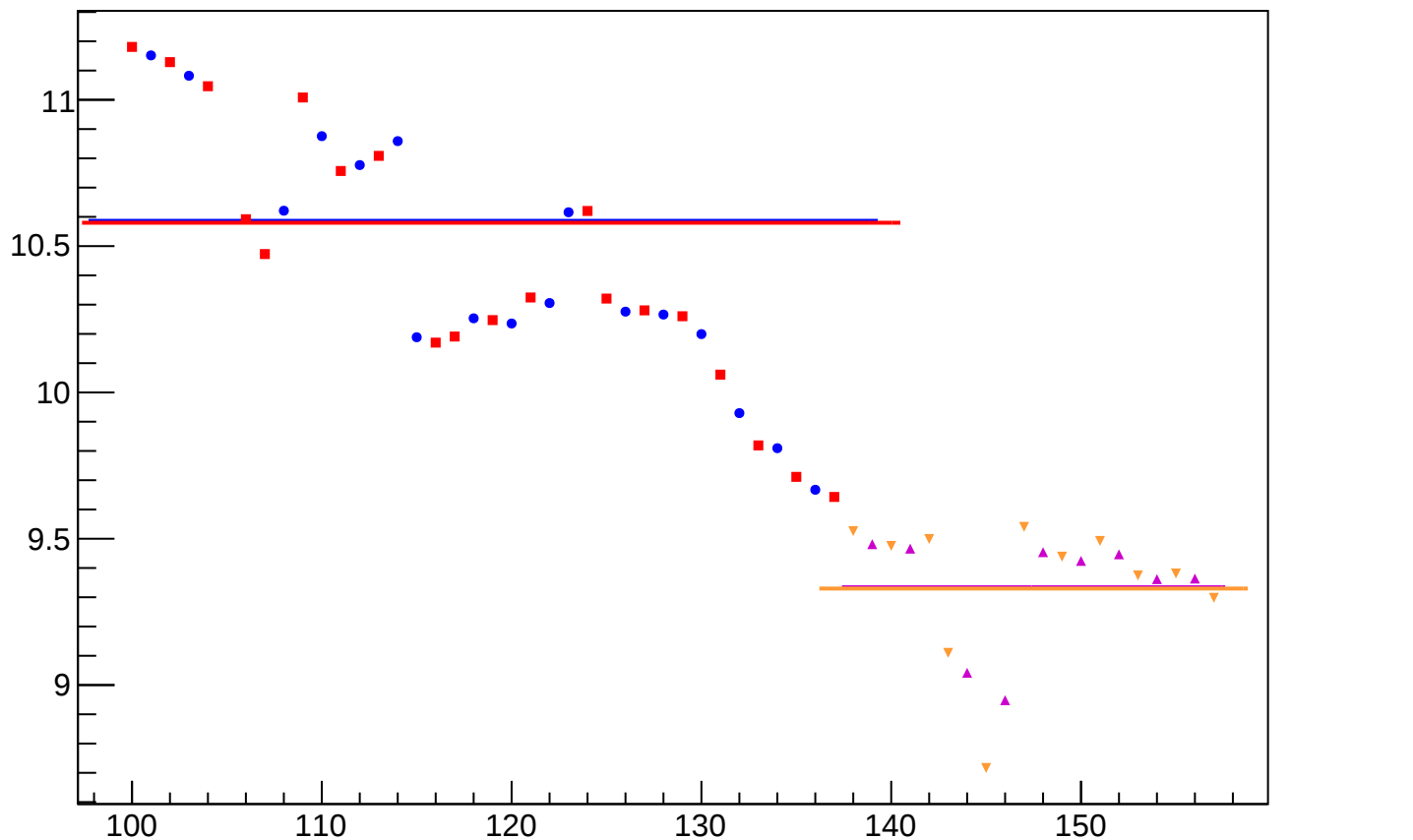
Left In: 0.032 +/- 0.000 χ^2/NDF : 310567.7/8

0.031 +/- 0.000 χ^2/NDF : 1767061.9/27

0.031 +/- 0.000 χ^2/NDF : 3310565.7/56

0.031 +/- 0.000 χ^2/NDF : 1543476.2/28

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.586+/-0.000 χ^2/NDF : 7420104563.4/16

Left Out: 9.330+/-0.000 χ^2/NDF :1041603426.9/10

Right Out: 10.580+/-0.000 χ^2/NDF : 5769007164.9/19

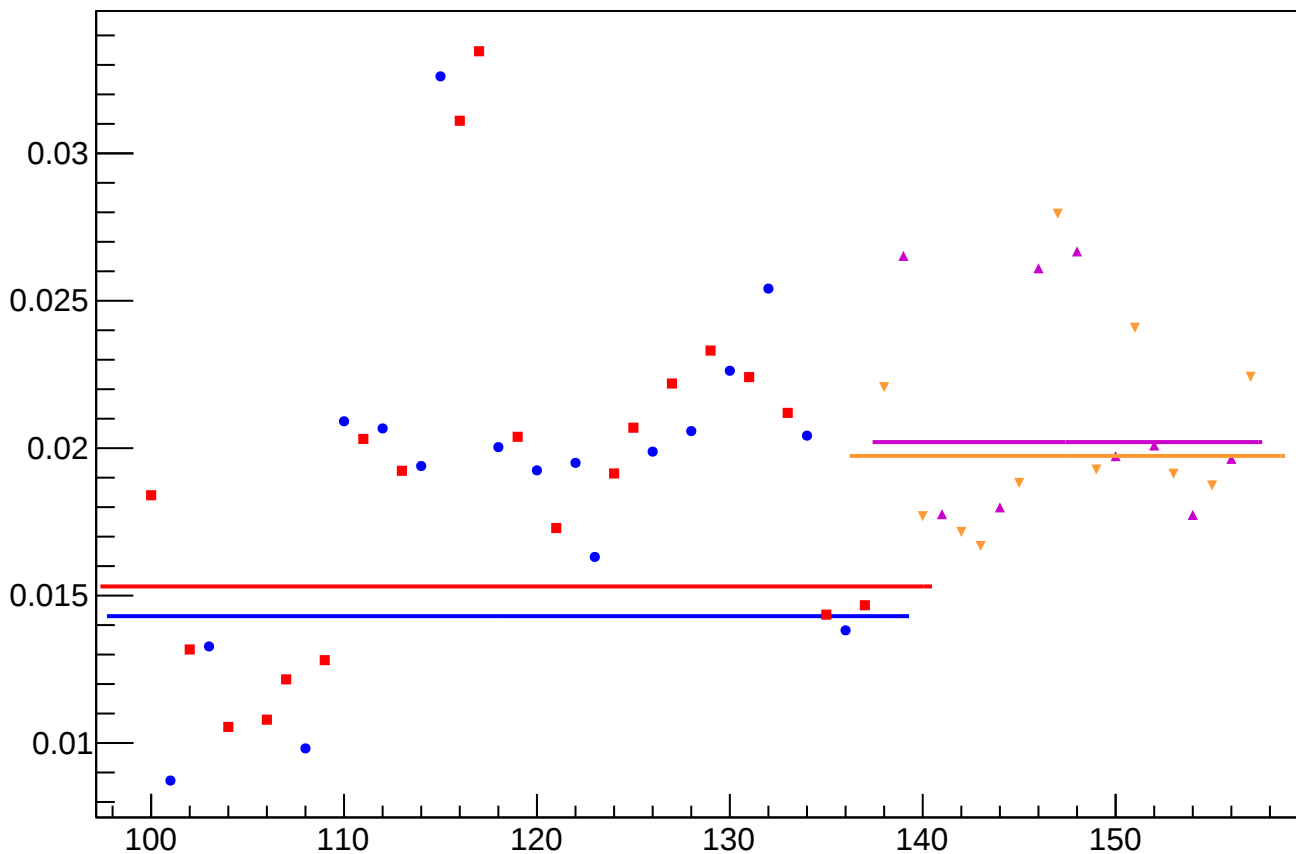
Left In: 9.334+/-0.000 χ^2/NDF :487250845.0/8

10.062+/-0.000 χ^2/NDF : 25616679711.4/27

10.077+/-0.000 χ^2/NDF : 47235911999.2/10

10.093+/-0.000 χ^2/NDF : 21598467259.9/28

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1408012.0/16

Left Out: 0.020 $\pm$ 0.000 χ^2 /NDF:298431.8/10

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1011477.2/19

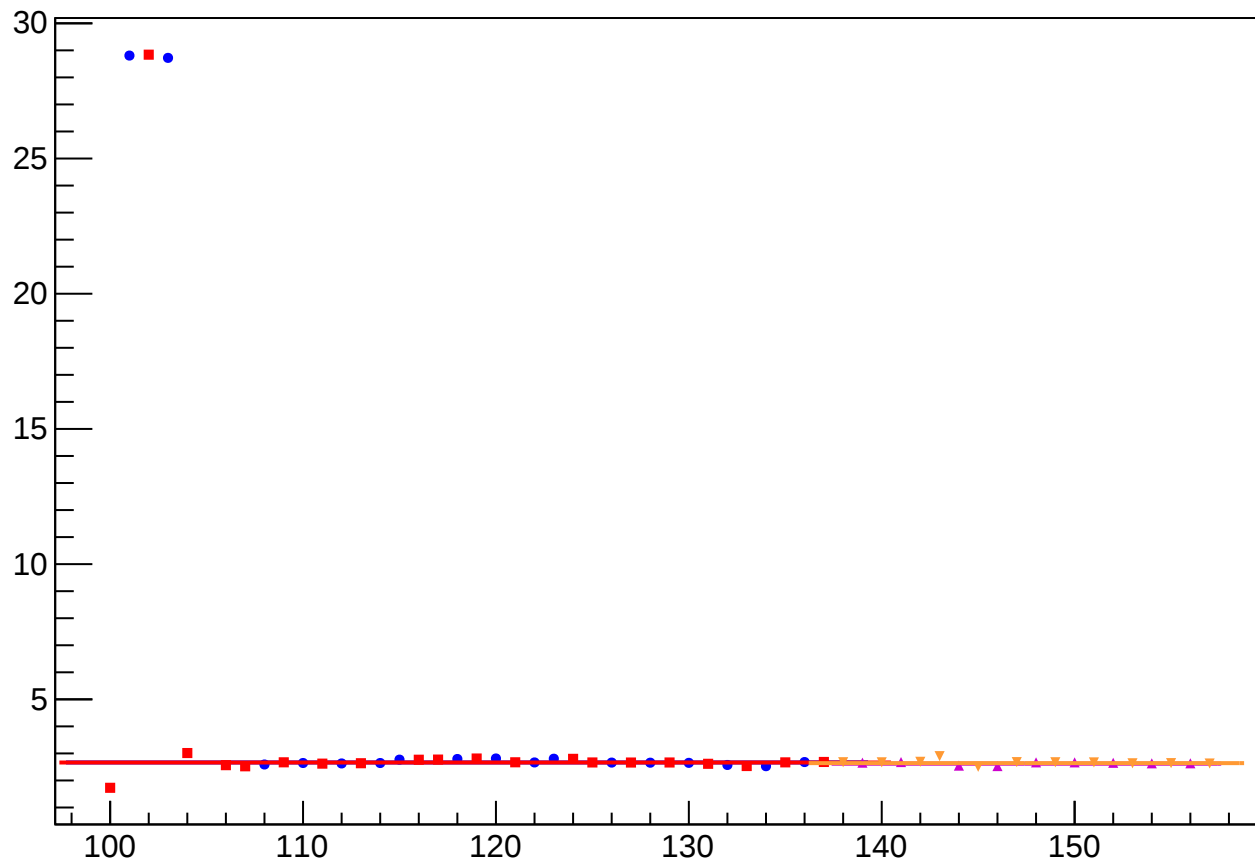
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:329147.7/8

0.017 $\pm$ 0.000 χ^2 /NDF: 2348310.3/27

0.017 $\pm$ 0.000 χ^2 /NDF: 4181333.9/56

0.017 $\pm$ 0.000 χ^2 /NDF: 1814646.8/28

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.666 $\pm$ 0.000 χ^2 /NDF: 163167327359.4/16

Left Out: 2.641 $\pm$ 0.000 χ^2 /NDF: 11378615310.1/10

Right Out: 2.664 $\pm$ 0.000 χ^2 /NDF: 70484048082.1/19

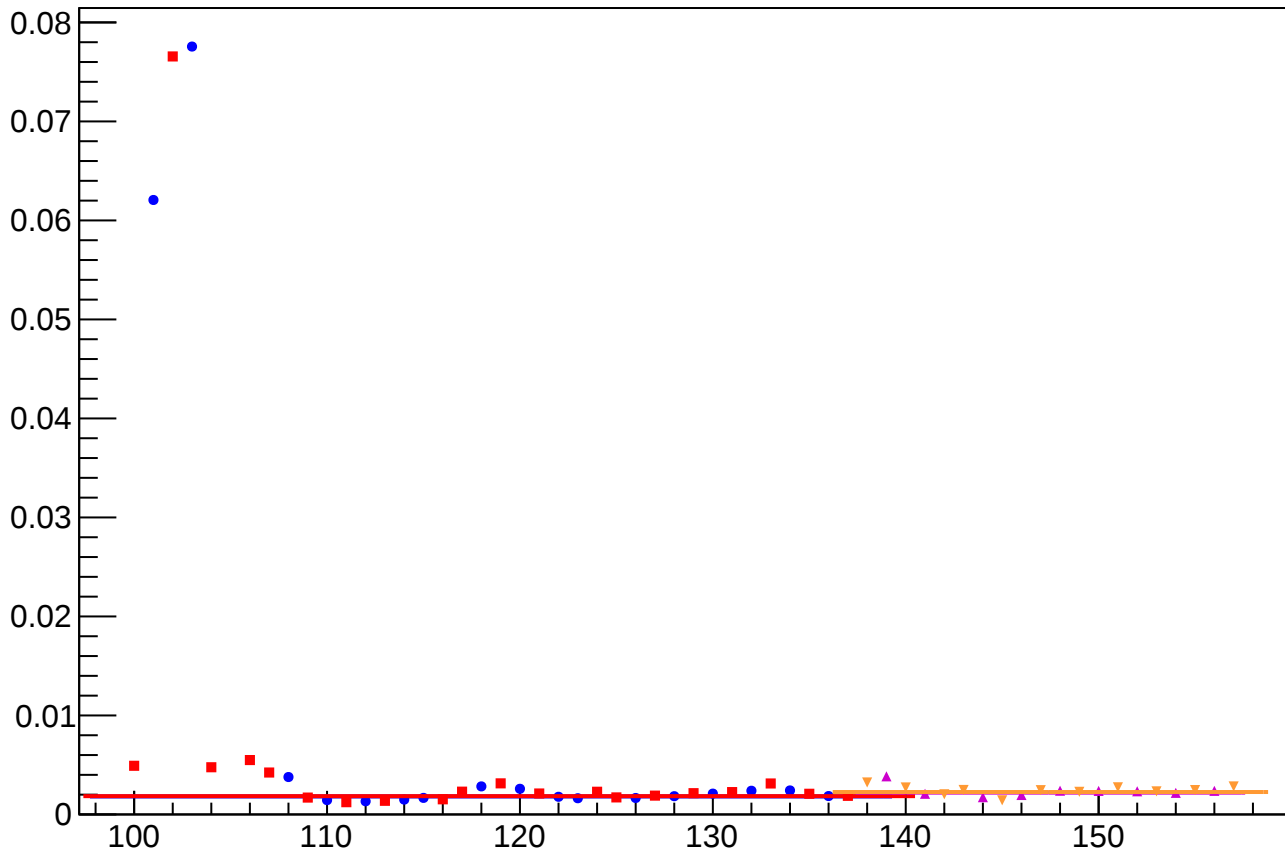
Left In: 2.620 $\pm$ 0.000 χ^2 /NDF: 3849437392.7/8

2.654 $\pm$ 0.000 χ^2 /NDF: 174949142332.3/27

2.649 $\pm$ 0.000 χ^2 /NDF: 250676966878.9/28

2.644 $\pm$ 0.000 χ^2 /NDF: 75591520481.3/28

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 2661372.0/16

Left Out: 0.002+/-0.000 χ^2/NDF : 664717.5/10

Right Out: 0.002+/-0.000 χ^2/NDF : 2334243.7/19

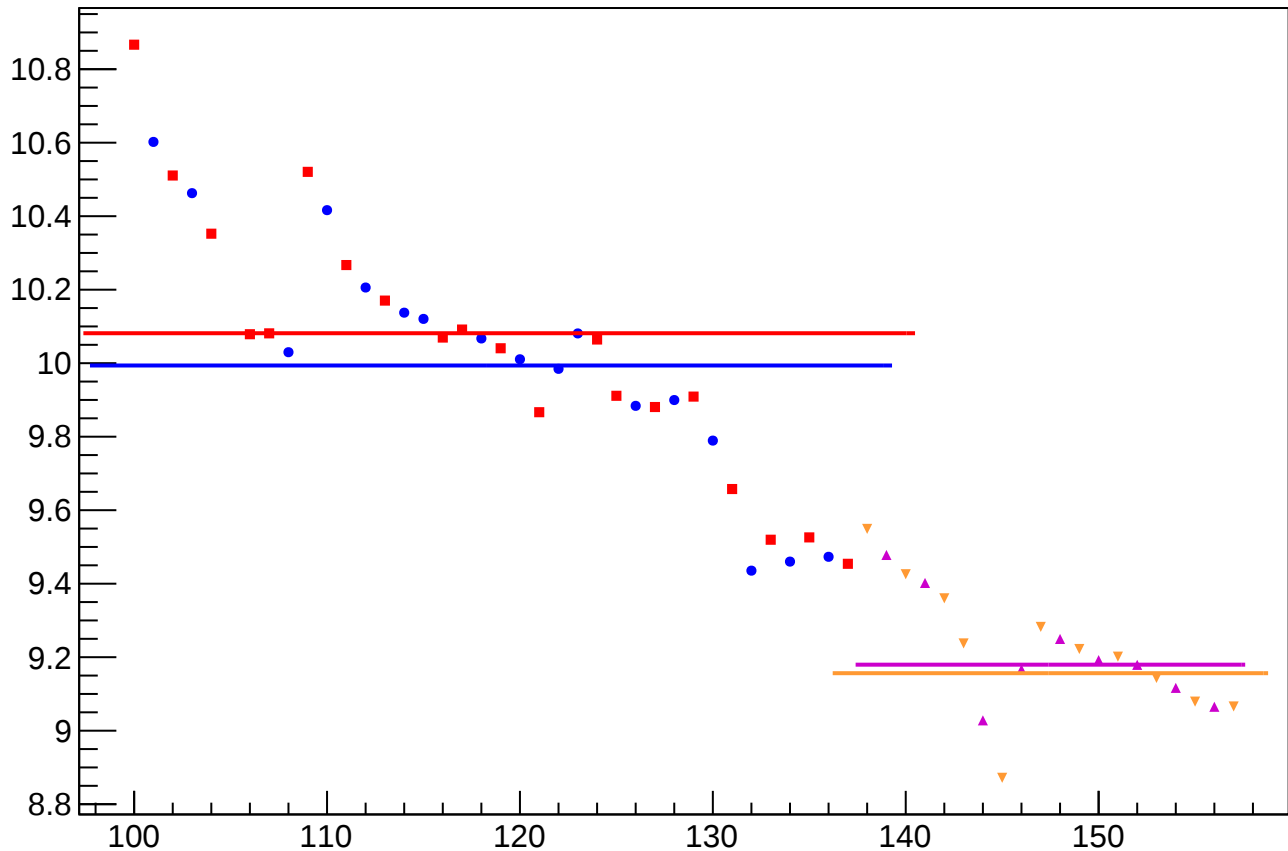
Left In: 0.002+/-0.000 χ^2/NDF : 400154.0/8

0.002+/-0.000 χ^2/NDF : 3586049.1/27

0.002+/-0.000 χ^2/NDF : 6487675.3/56

0.002+/-0.000 χ^2/NDF : 2900634.1/28

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.994 $\pm$ 0.000 χ^2/NDF : 18815741664.6/16

Left Out: 9.156 $\pm$ 0.000 χ^2/NDF : 4854653733.5/10

Right Out: 10.082 $\pm$ 0.000 χ^2/NDF : 15502760782.3/19

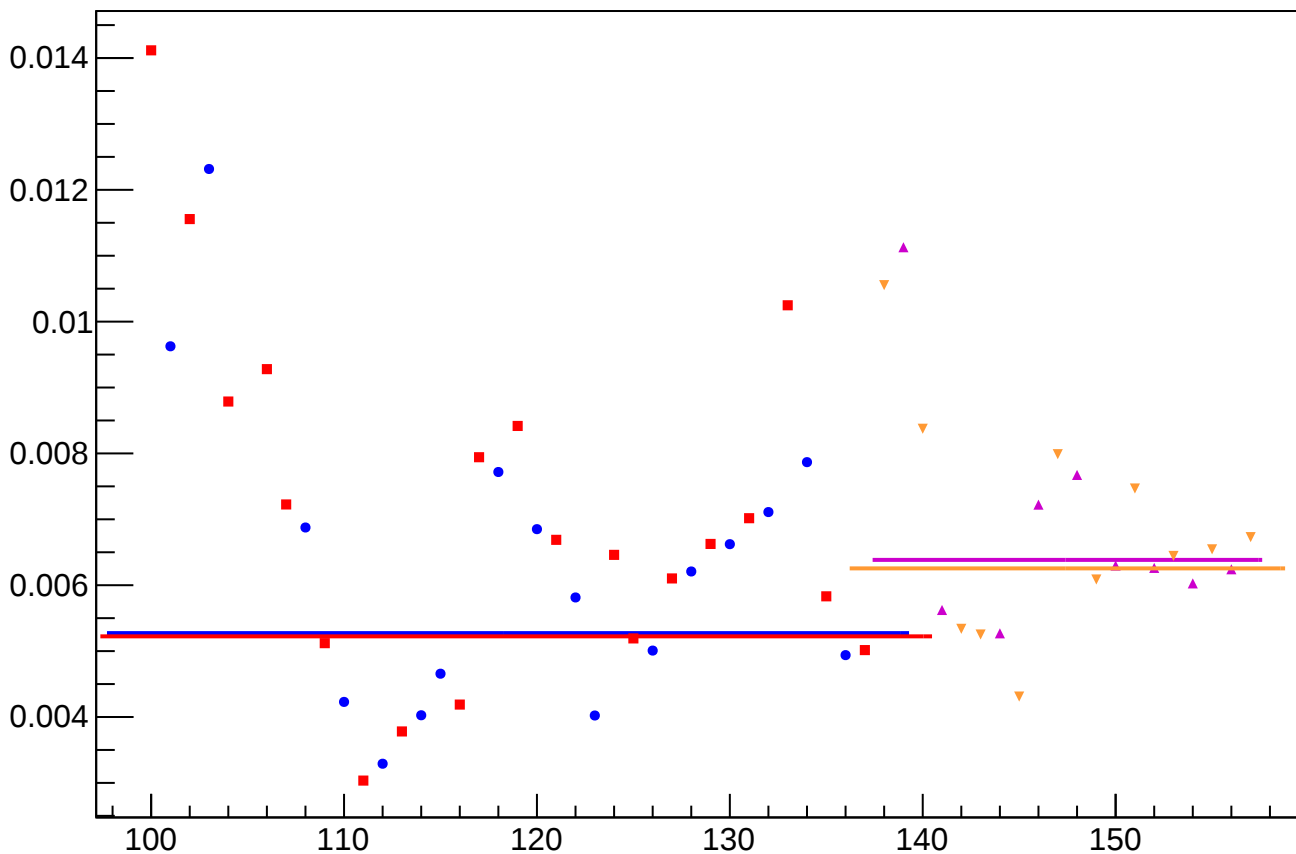
Left In: 9.180 $\pm$ 0.000 χ^2/NDF : 2285466062.2/8

9.600 $\pm$ 0.000 χ^2/NDF : 83211427296.6/27

9.648 $\pm$ 0.000 χ^2/NDF : 169703564001.5/27

9.695 $\pm$ 0.000 χ^2/NDF : 84967836780.9/28

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 1245563.1/16

Left Out: 0.006+/-0.000 χ^2/NDF : 662396.6/10

Right Out: 0.005+/-0.000 χ^2/NDF : 1667515.0/19

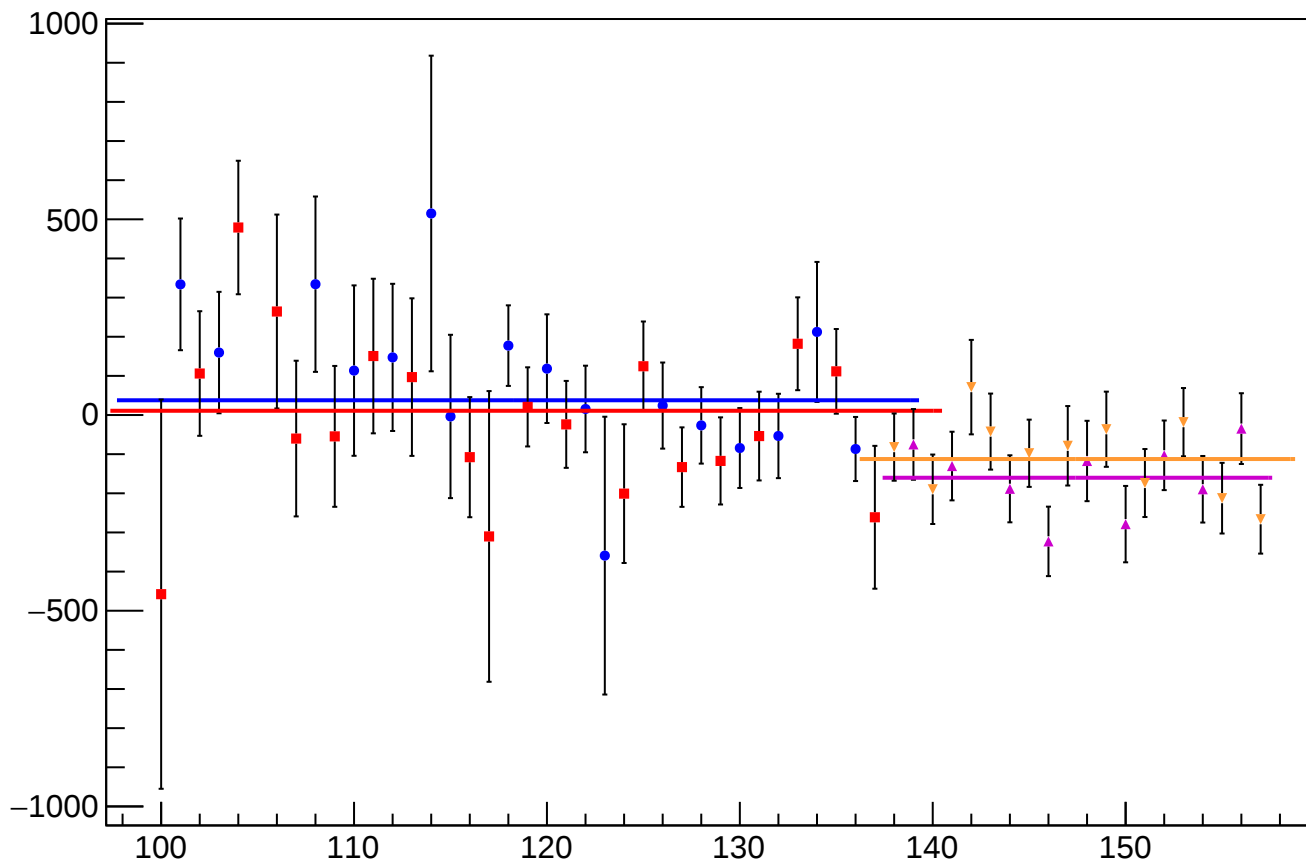
Left In: 0.006+/-0.000 χ^2/NDF : 389596.3/8

0.006+/-0.000 χ^2/NDF : 2071879.1/27

0.006+/-0.000 χ^2/NDF : 4351457.5/56

0.006+/-0.000 χ^2/NDF : 2279517.0/28

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 37.694 $\pm$ 32.253 χ^2 /NDF: 16.7/16

Left Out: -112.432 $\pm$ 27.792 χ^2 /NDF:10.4/10

Right Out: 10.884 $\pm$ 31.947 χ^2 /NDF: 23.5/19

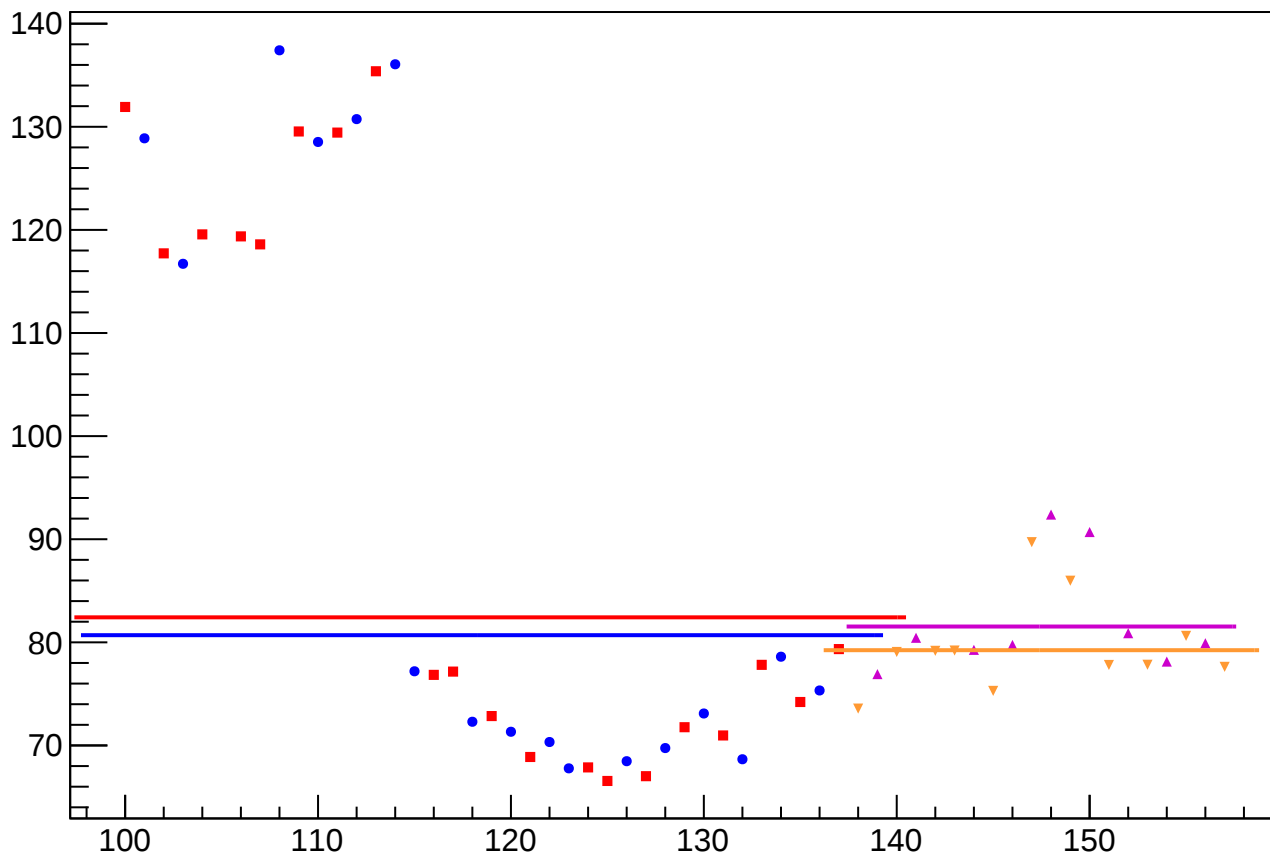
Left In: -160.246 $\pm$ 30.107 χ^2 /NDF:8.6/8

-48.462 $\pm$ 21.054 χ^2 /NDF: 39.6/27

-63.482 $\pm$ 15.181 χ^2 /NDF: 87.9/56

-79.750 $\pm$ 21.911 χ^2 /NDF: 47.3/28

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.694+/-0.023 χ^2/NDF : 814026.4/16

Left Out: 79.238+/-0.020 χ^2/NDF : 46304.9/10

Right Out: 82.424+/-0.023 χ^2/NDF : 915282.5/19

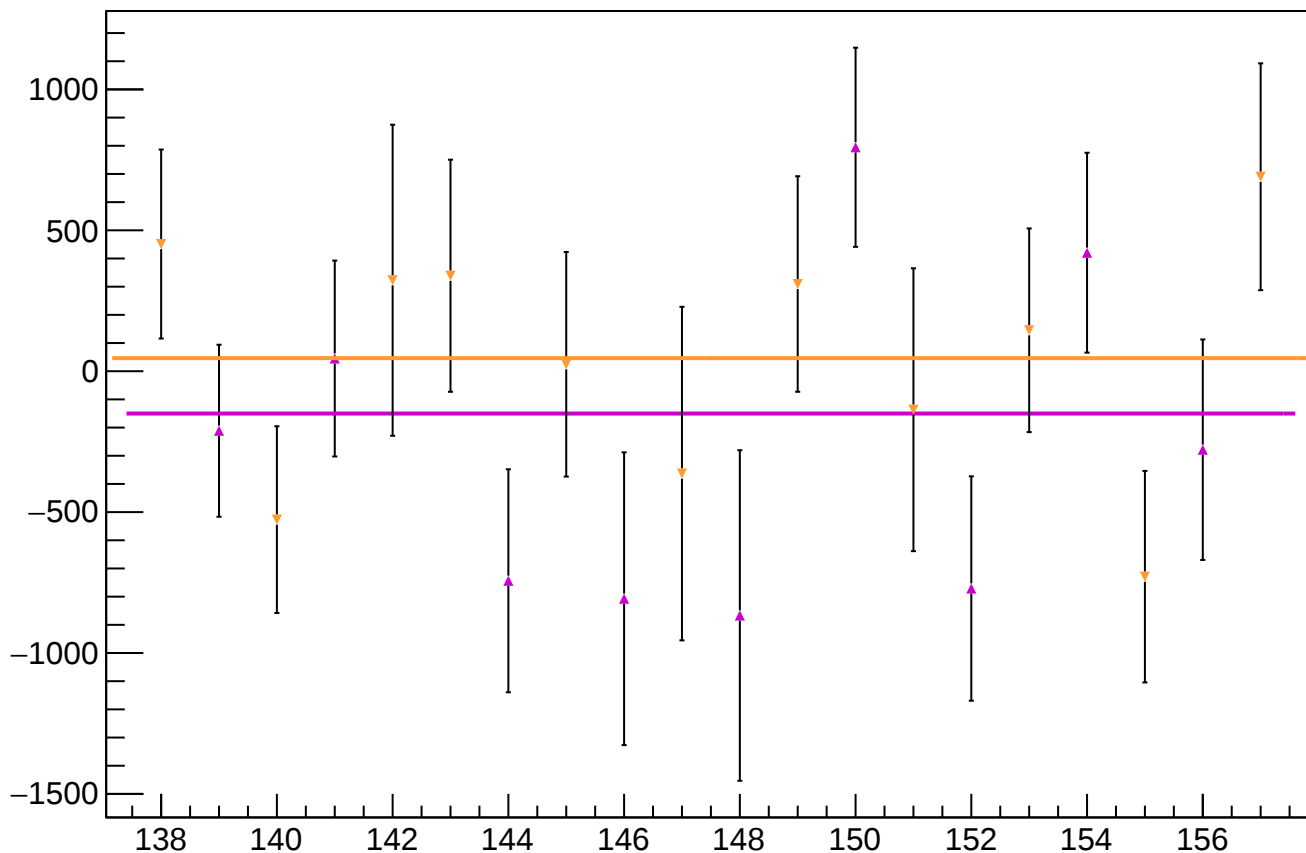
Left In: 81.534+/-0.021 χ^2/NDF : 51690.0/8

79.859+/-0.015 χ^2/NDF : 862670.5/27

80.864+/-0.011 χ^2/NDF : 1839964.1/56

81.953+/-0.015 χ^2/NDF : 967795.9/28

asym_sam1_correction_mean vs Slug, Sign Corrected



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

Left Out: 46.436+/-121.205 χ^2/NDF : 13.2/10

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

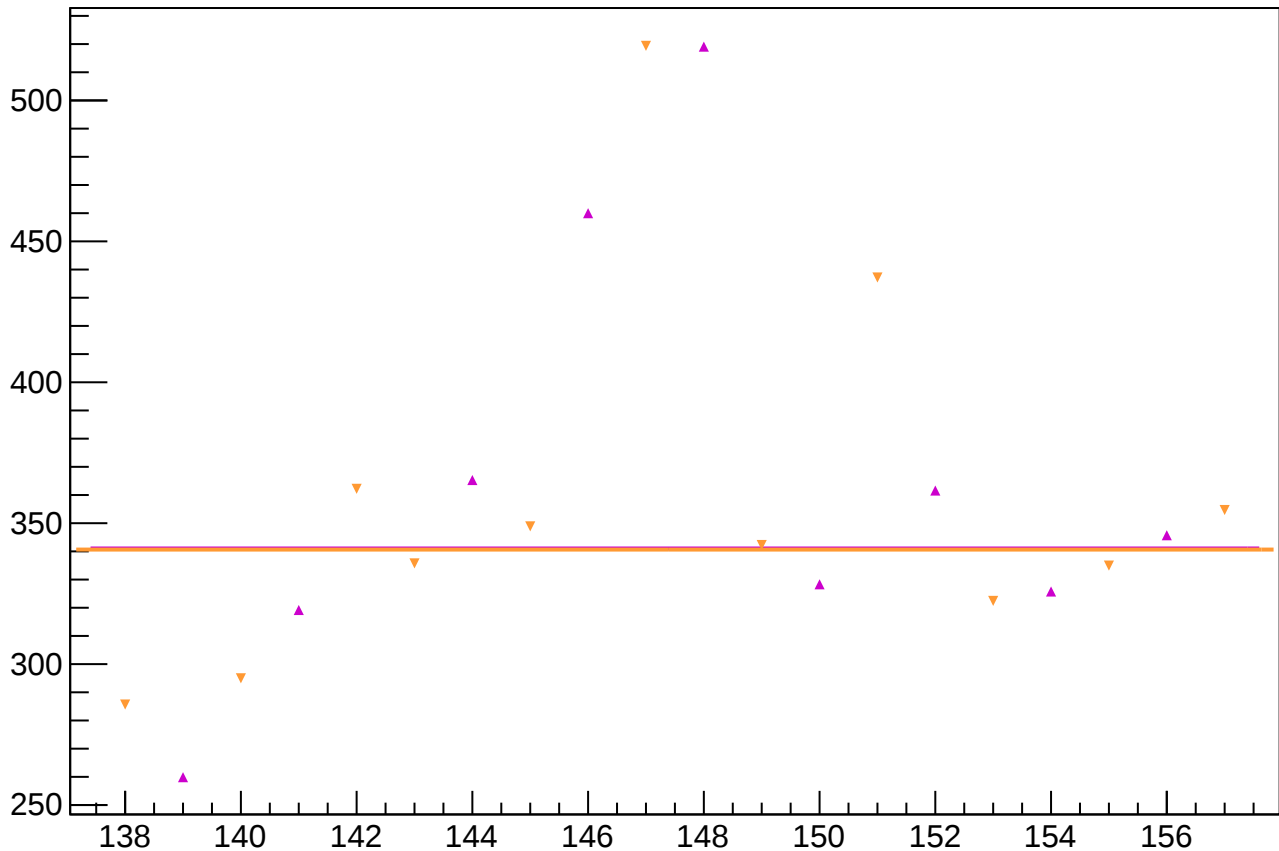
Left In: -150.197+/-128.245 χ^2/NDF : 18.0/8

46.436+/-121.205 χ^2/NDF : 13.2/10

-46.336+/-88.089 χ^2/NDF : 32.4/19

-150.197+/-128.245 χ^2/NDF : 18.0/8

asym_sam1_correction_rms vs Slug, Sign Corrected



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

Left Out: 340.644+/-0.086 χ^2/NDF : 360328.5/10

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

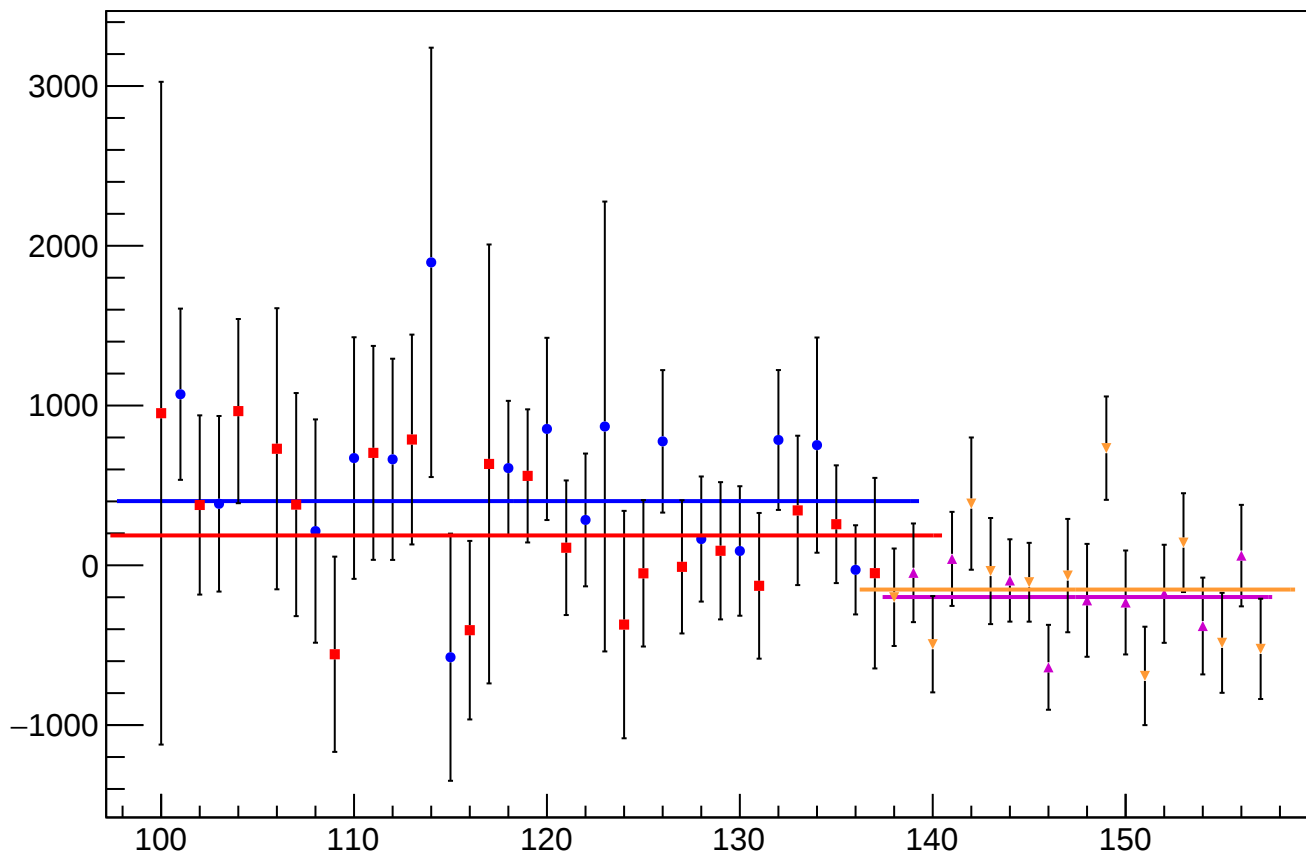
Left In: 341.022+/-0.091 χ^2/NDF : 457847.1/8

340.644+/-0.086 χ^2/NDF : 360328.5/10

340.822+/-0.062 χ^2/NDF : 818184.7/19

341.022+/-0.091 χ^2/NDF : 457847.1/8

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 401.871+/-121.048 χ^2/NDF : 10.9/16

Left Out: -151.778+/-94.513 χ^2/NDF : 17.2/10

Right Out: 186.914+/-119.879 χ^2/NDF : 9.4/19

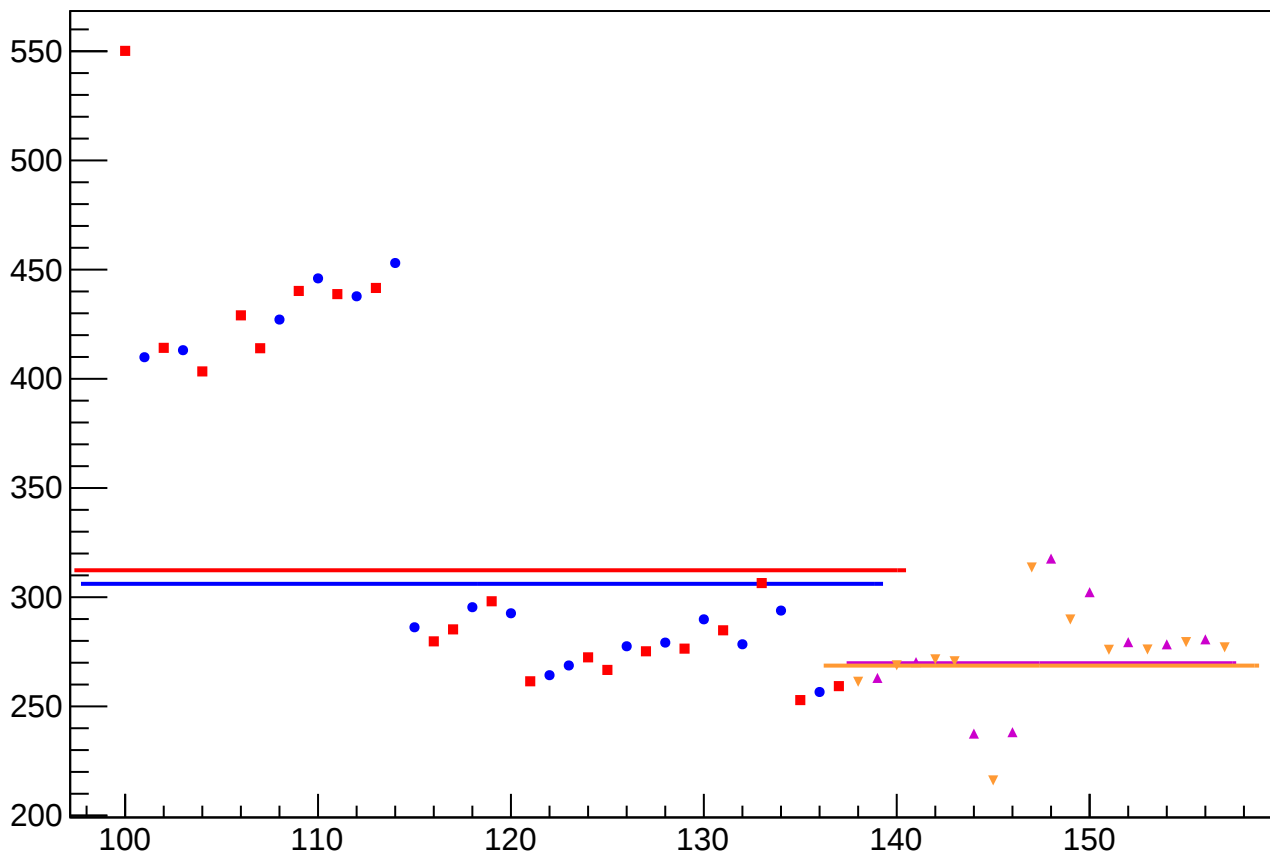
Left In: -198.614+/-99.939 χ^2/NDF : 4.8/8

57.911+/-74.495 χ^2/NDF : 41.1/27

10.163+/-53.460 χ^2/NDF : 62.4/56

-40.536+/-76.763 χ^2/NDF : 20.4/28

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 306.123+/-0.086 χ^2/NDF : 508435.8/16

Left Out: 268.679+/-0.067 χ^2/NDF : 138846.4/10

Right Out: 312.335+/-0.085 χ^2/NDF : 626552.3/19

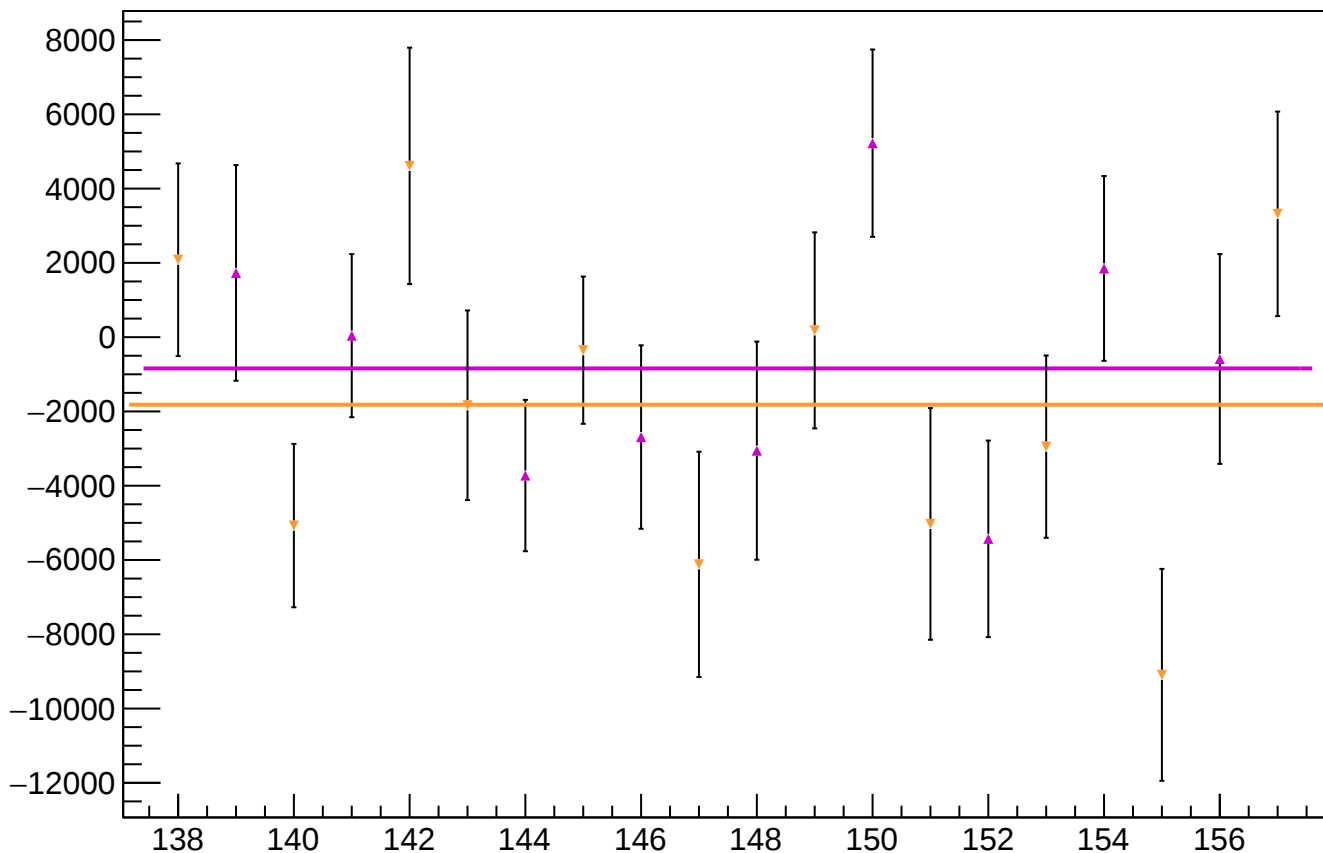
Left In: 269.766+/-0.071 χ^2/NDF : 123212.8/8

282.861+/-0.053 χ^2/NDF : 766177.6/27

284.975+/-0.038 χ^2/NDF : 1668049.2/56

287.220+/-0.054 χ^2/NDF : 898549.3/28

asym_sam2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1818.701+/-781.387 χ^2/NDF :22.9/10

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

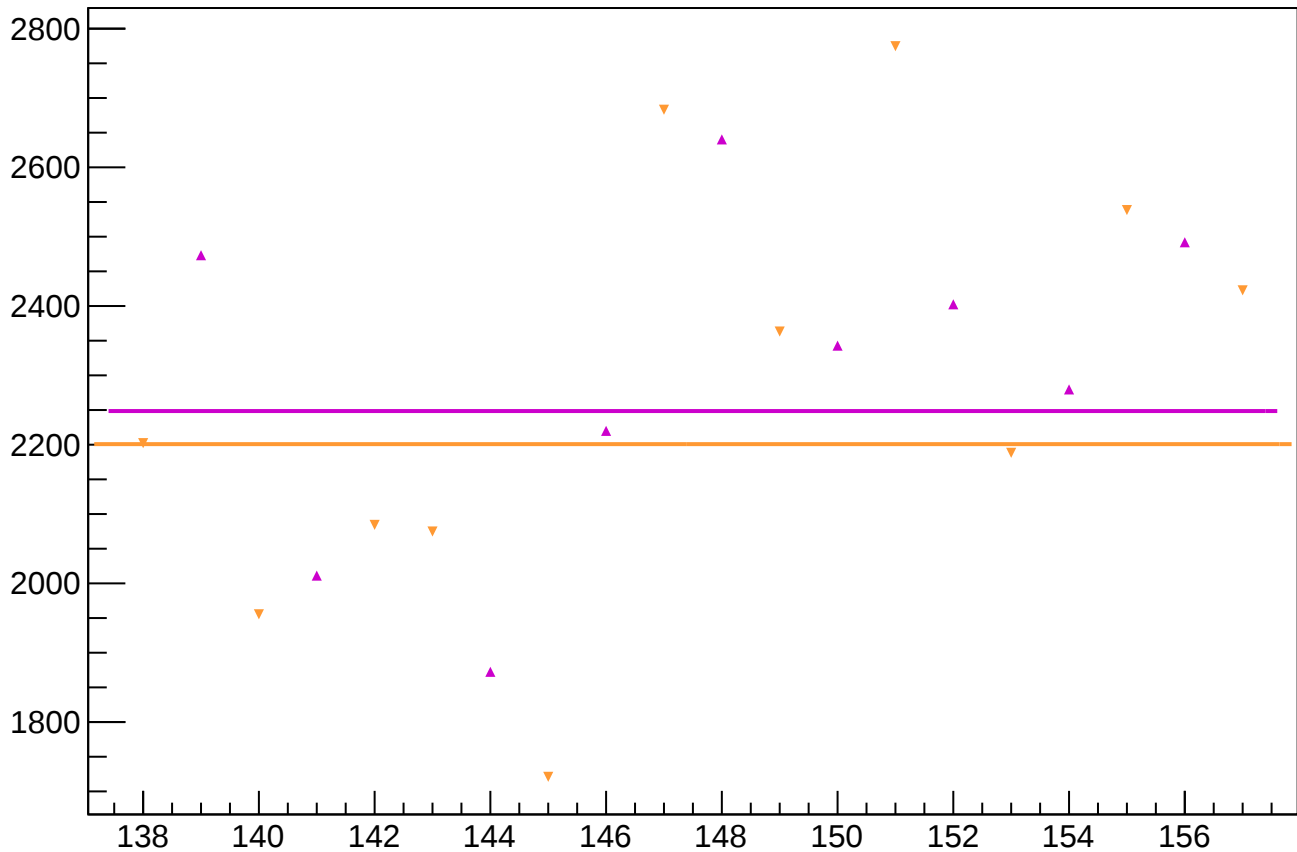
Left In: -842.216+/-835.190 χ^2/NDF :14.0/8

-1818.701+/-781.387 χ^2/NDF : 22.9/10

-1362.922+/-570.597 χ^2/NDF : 37.7/19

-842.216+/-835.190 χ^2/NDF : 14.0/8

asym_sam2_correction_rms vs Slug, Sign Corrected



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

Left Out: 2200.811+/-0.553 χ^2/NDF : 316455.2/10

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

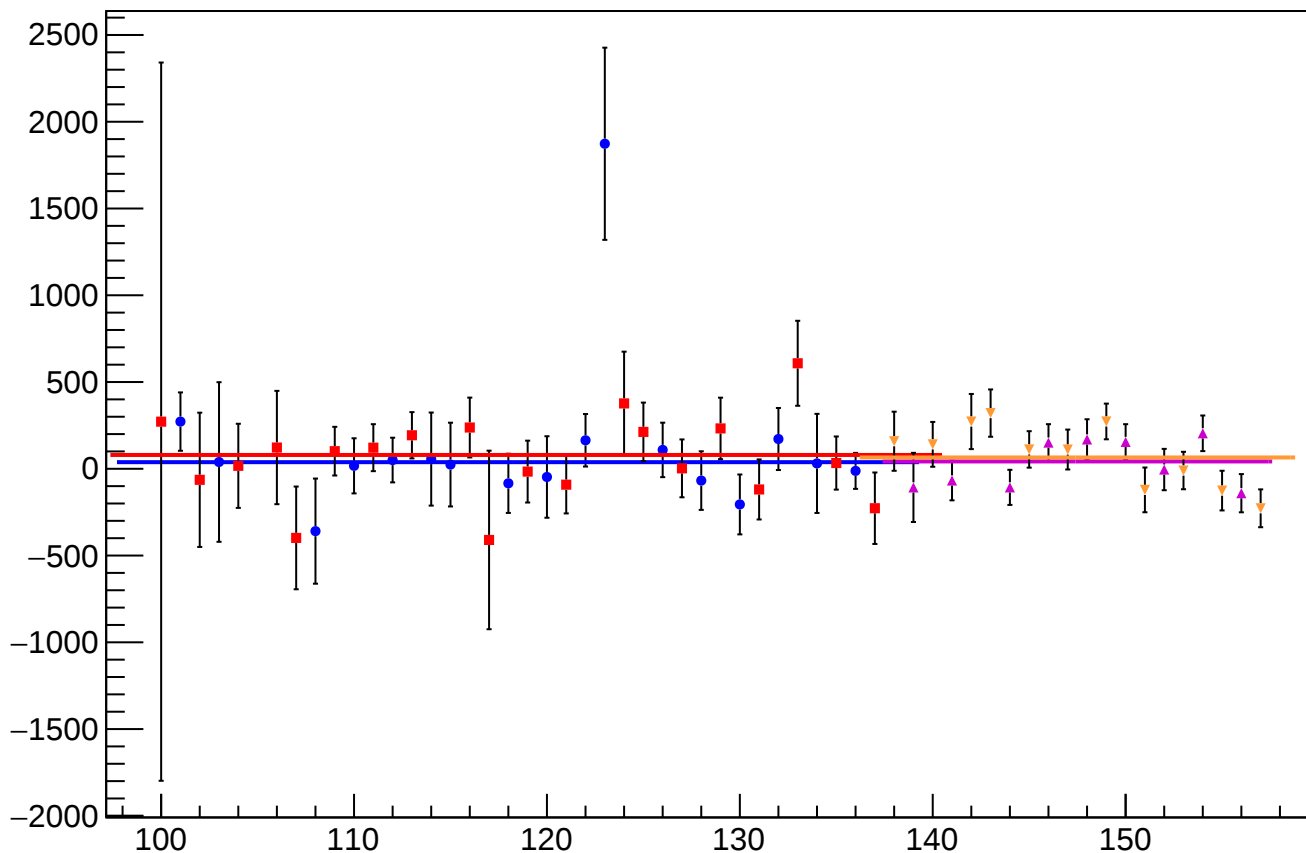
Left In: 2248.526+/-0.591 χ^2/NDF : 164035.7/8

2200.811+/-0.553 χ^2/NDF : 316455.2/10

2223.082+/-0.403 χ^2/NDF : 483971.9/19

2248.526+/-0.591 χ^2/NDF : 164035.7/8

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 38.126+/-43.548 χ^2/NDF : 19.4/16

Left Out: 65.265+/-36.389 χ^2/NDF : 22.9/10

Right Out: 79.665+/-42.948 χ^2/NDF : 17.6/19

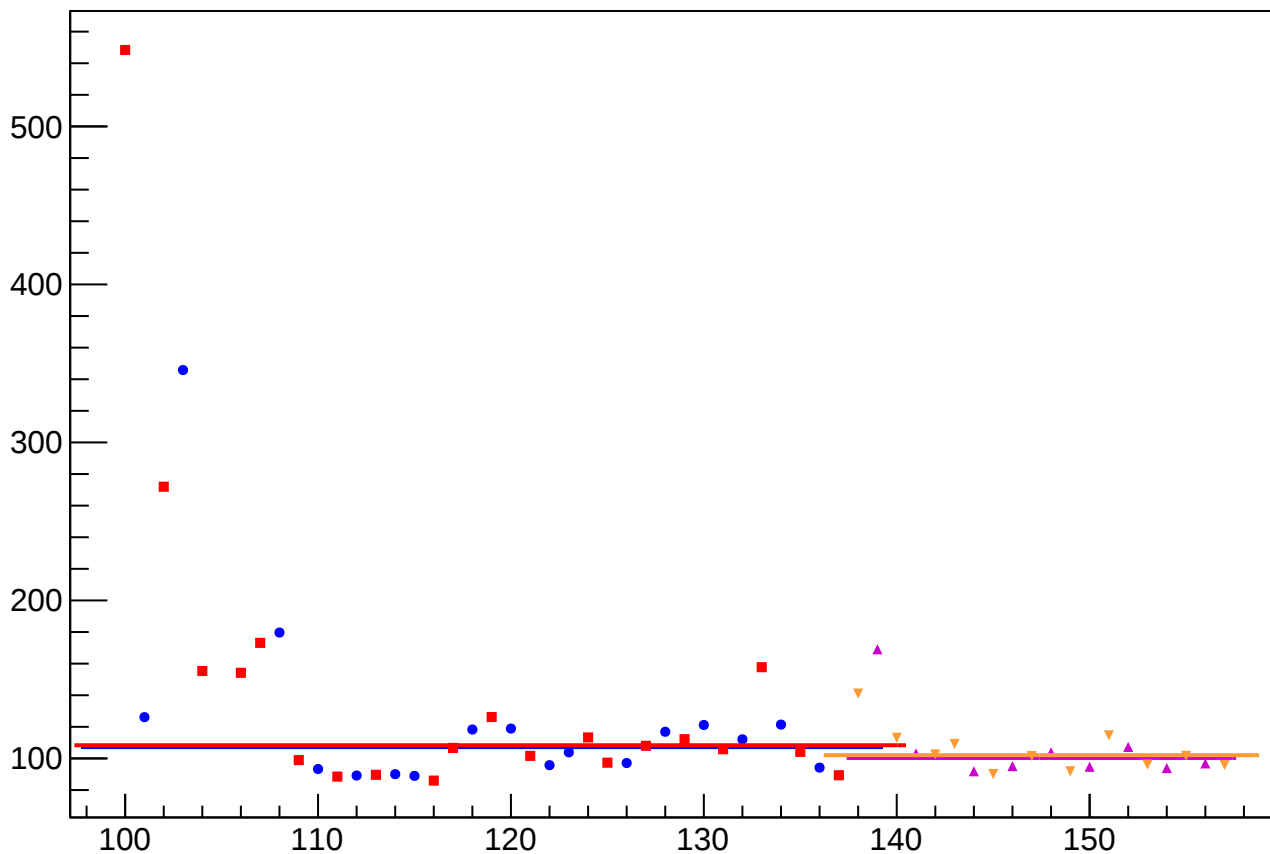
Left In: 42.296+/-37.649 χ^2/NDF : 12.5/8

54.106+/-27.924 χ^2/NDF : 42.5/27

56.290+/-19.881 χ^2/NDF : 73.1/56

58.534+/-28.311 χ^2/NDF : 30.6/28

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 107.189 ± 0.031 $\chi^2/\text{NDF}: 843115.1/16$

Left Out: 102.066 ± 0.026 $\chi^2/\text{NDF}: 201905.8/10$

Right Out: 108.347 ± 0.030 $\chi^2/\text{NDF}: 917309.2/19$

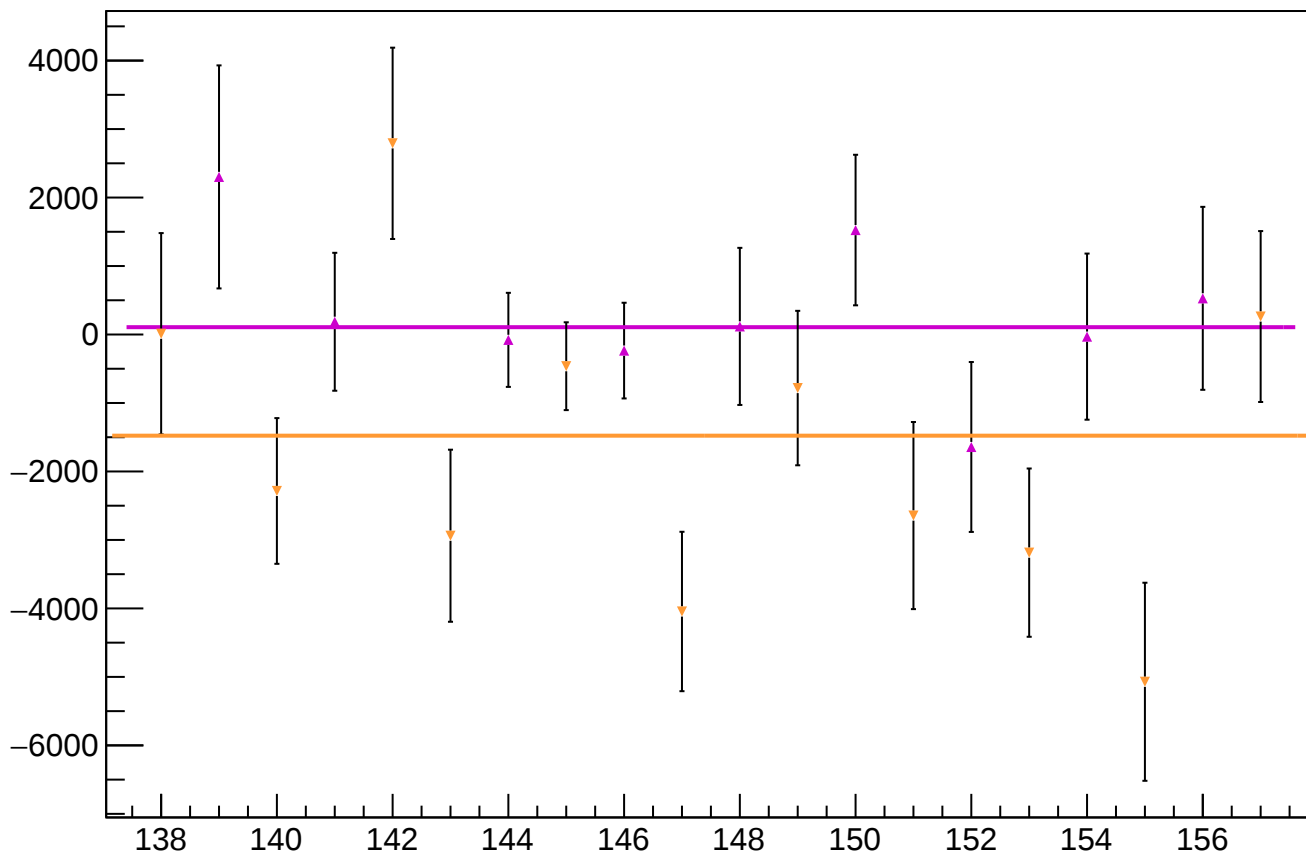
Left In: 100.313 ± 0.027 $\chi^2/\text{NDF}: 282436.4/8$

104.172 ± 0.020 $\chi^2/\text{NDF}: 1061321.3/27$

103.991 ± 0.014 $\chi^2/\text{NDF}: 2300808.6/56$

103.804 ± 0.020 $\chi^2/\text{NDF}: 1239316.2/28$

asym_sam3_correction_mean vs Slug, Sign Corrected



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

Left Out: -1477.362+/-337.718 χ^2/NDF : 30.8/10

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

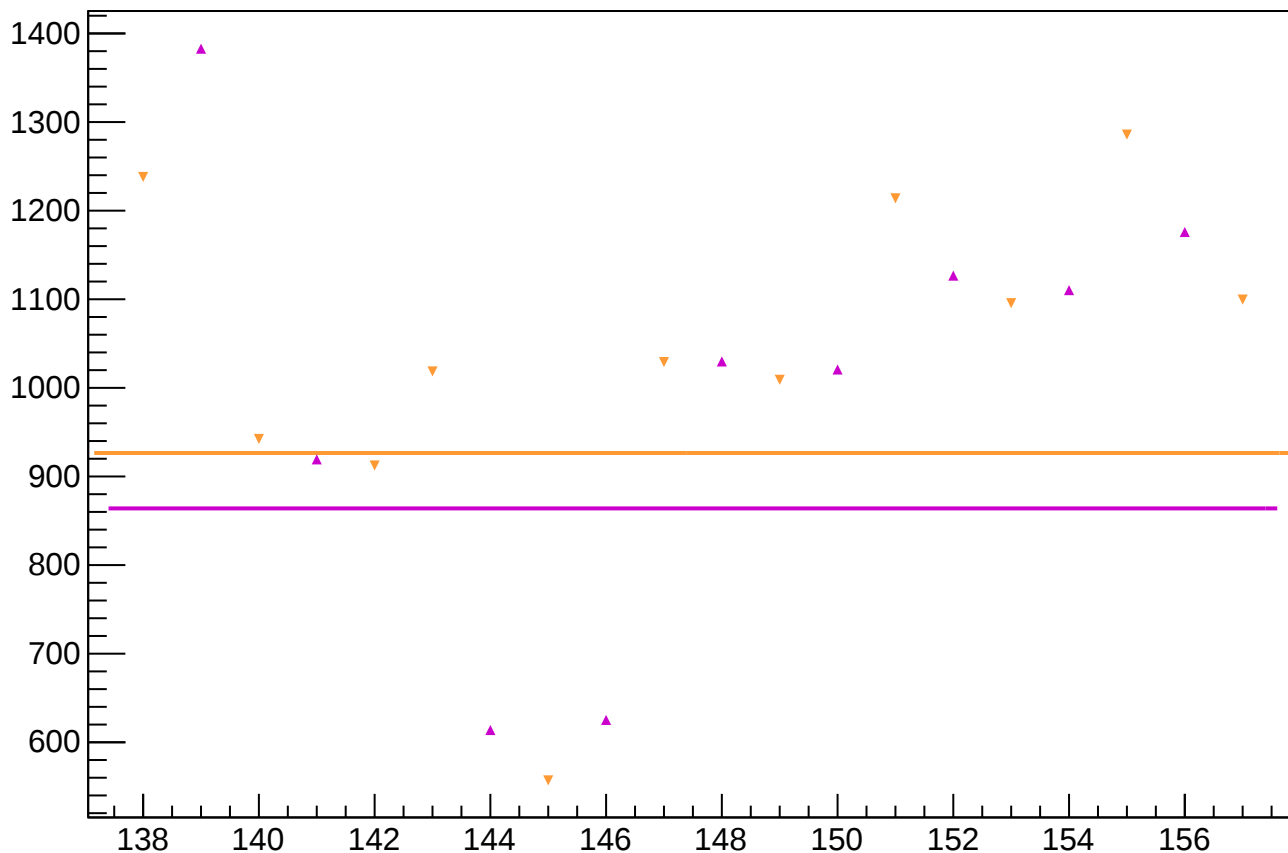
Left In: 107.006+/-333.176 χ^2/NDF : 5.9/8

-1477.362+/-337.718 χ^2/NDF : 30.8/10

-674.453+/-237.181 χ^2/NDF : 47.9/19

107.006+/-333.176 χ^2/NDF : 5.9/8

asym_sam3_correction_rms vs Slug, Sign Corrected



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

Left Out: 926.514+/-0.239 χ^2/NDF :1080230.9/10

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

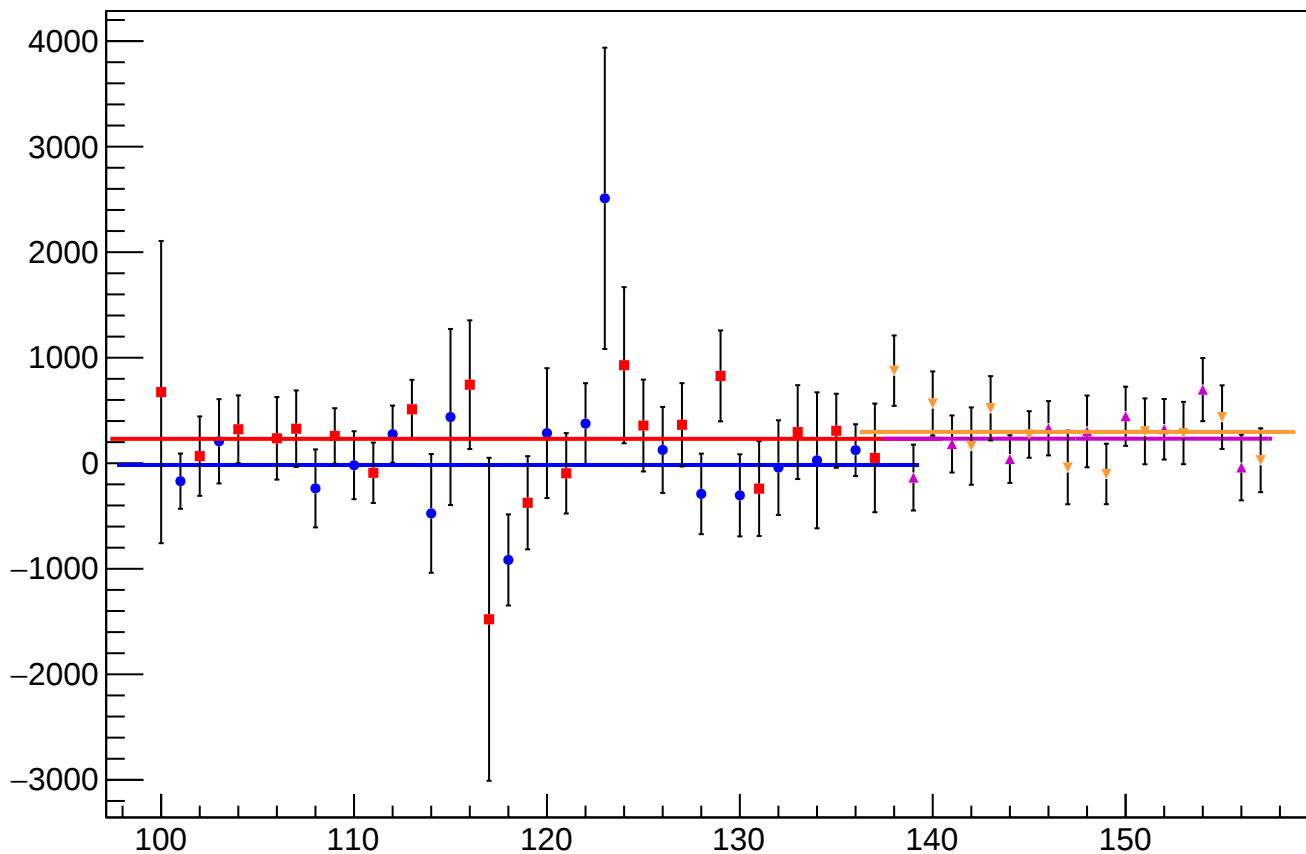
Left In: 863.960+/-0.236 χ^2/NDF :1071423.7/8

926.514+/-0.239 χ^2/NDF : 1080230.9/10

894.814+/-0.168 χ^2/NDF : 2186426.6/19

863.960+/-0.236 χ^2/NDF : 1071423.7/8

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -16.459 ± 93.285 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 296.852 ± 90.308 $\chi^2/\text{NDF}: 8.4/10$

Right Out: 231.209 ± 88.787 $\chi^2/\text{NDF}: 11.6/19$

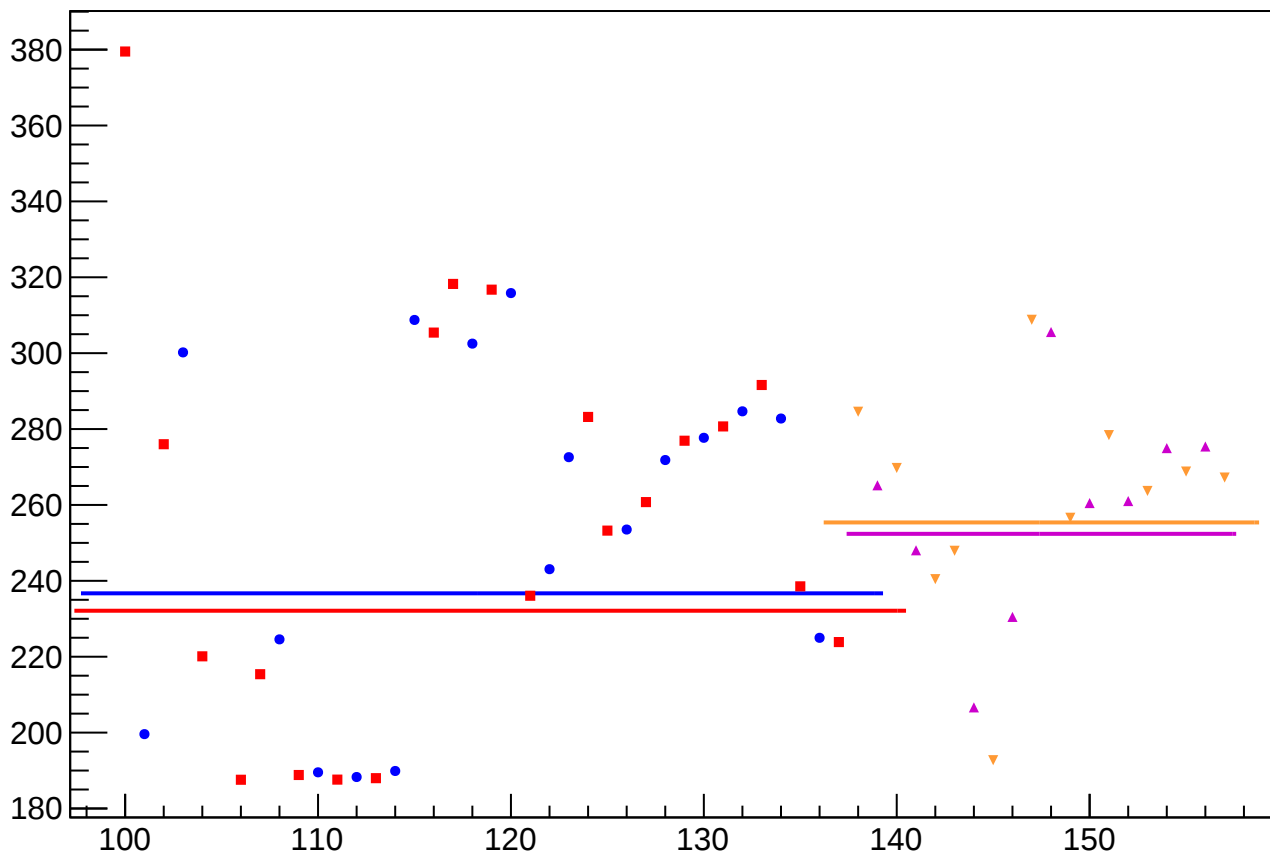
Left In: 232.746 ± 93.771 $\chi^2/\text{NDF}: 6.2/8$

145.274 ± 64.884 $\chi^2/\text{NDF}: 27.6/27$

188.881 ± 45.734 $\chi^2/\text{NDF}: 46.3/56$

231.935 ± 64.472 $\chi^2/\text{NDF}: 17.8/28$

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 236.706+/-0.066 χ^2/NDF : 390344.9/16

Left Out: 255.389+/-0.064 χ^2/NDF : 252002.8/10

Right Out: 232.119+/-0.063 χ^2/NDF : 449633.1/19

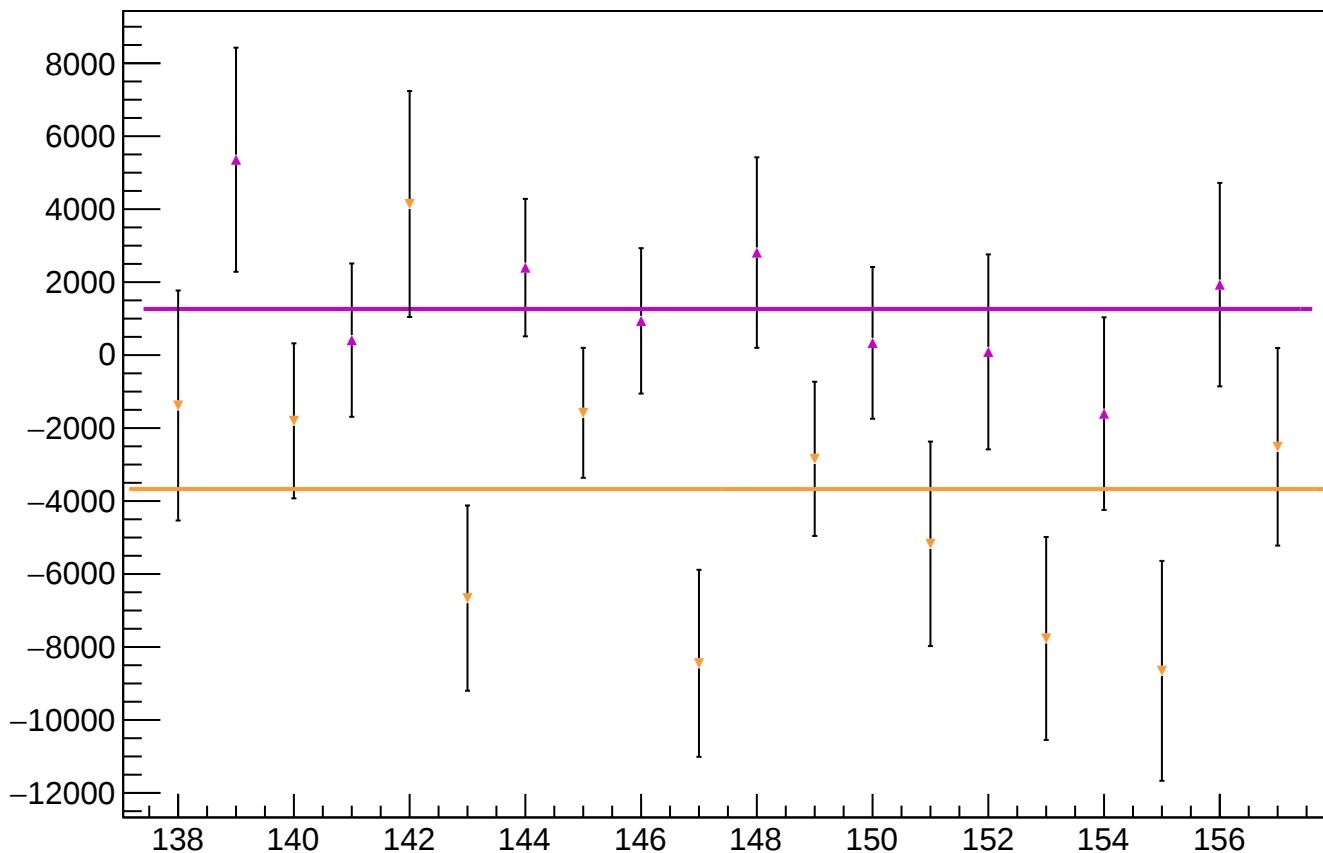
Left In: 252.384+/-0.066 χ^2/NDF : 175443.5/8

246.350+/-0.046 χ^2/NDF : 683758.7/27

244.010+/-0.032 χ^2/NDF : 1363259.3/56

241.699+/-0.046 χ^2/NDF : 674328.3/28

asym_sam4_correction_mean vs Slug, Sign Corrected



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

Left Out: -3670.385+/-750.334 χ^2/NDF :19.4/10

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

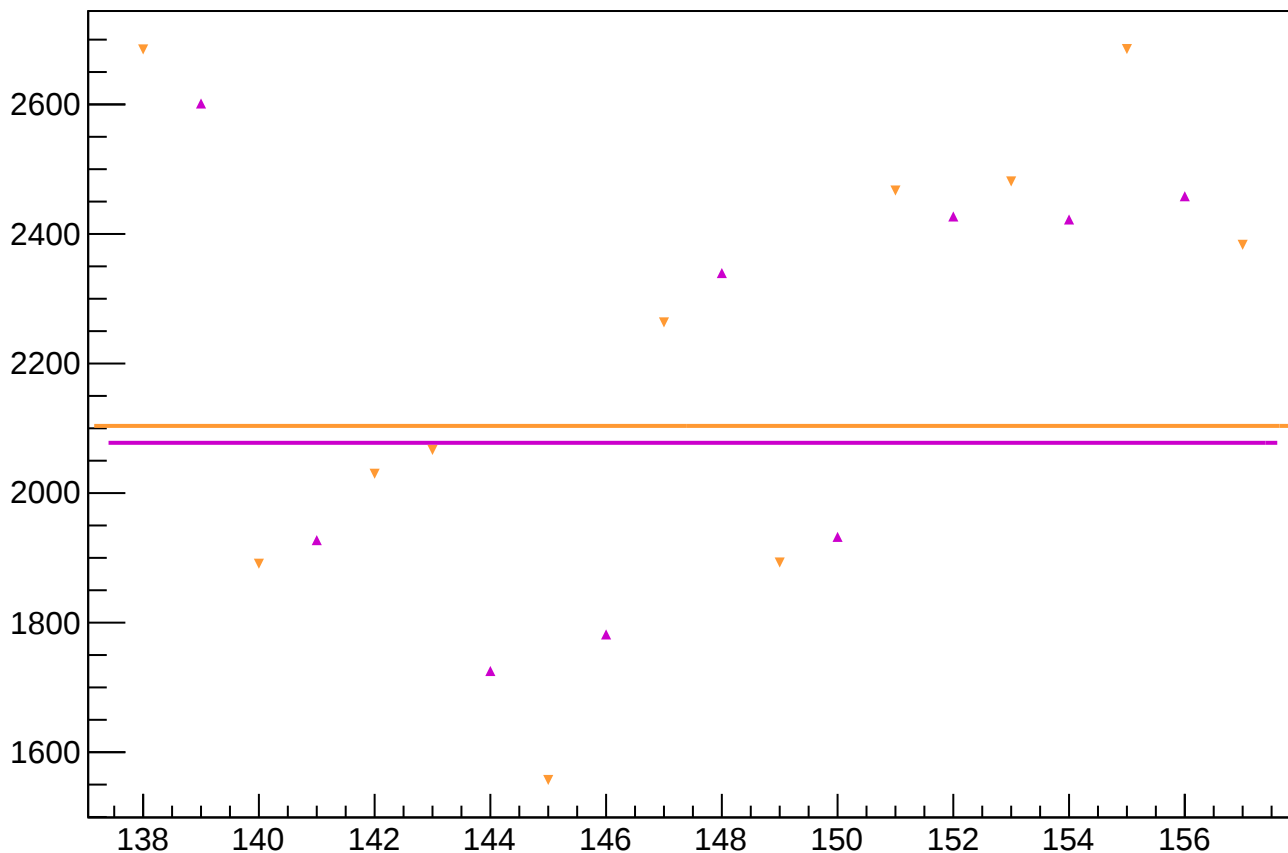
Left In: 1263.924+/-777.038 χ^2/NDF :4.3/8

-3670.385+/-750.334 χ^2/NDF : 19.4/10

-1289.473+/-539.760 χ^2/NDF : 44.6/19

1263.924+/-777.038 χ^2/NDF : 4.3/8

asym_sam4_correction_rms vs Slug, Sign Corrected



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

Left Out: 2103.708+/-0.531 χ^2/NDF : 471873.2/10

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

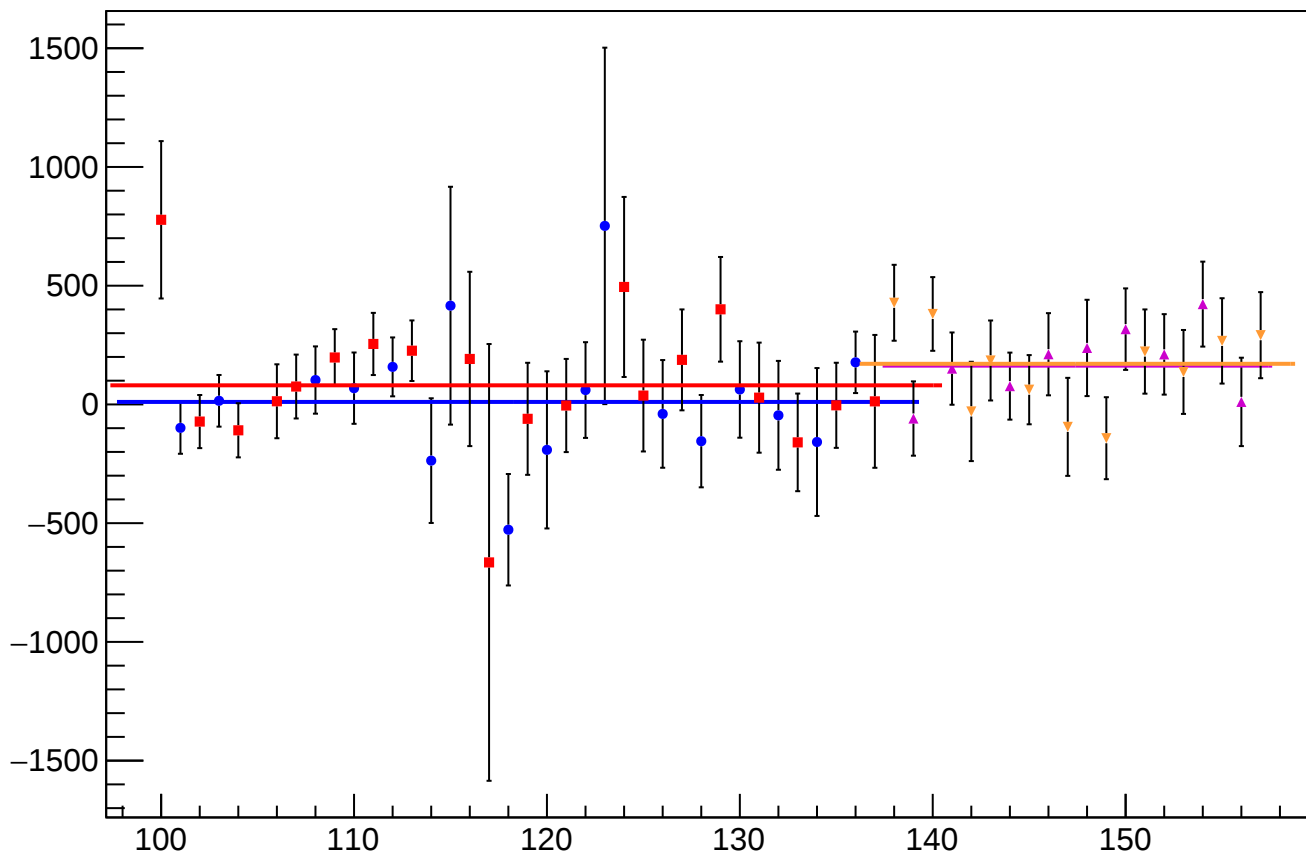
Left In: 2077.602+/-0.549 χ^2/NDF : 317878.0/8

2103.708+/-0.531 χ^2/NDF : 471873.2/10

2091.111+/-0.382 χ^2/NDF : 790919.4/19

2077.602+/-0.549 χ^2/NDF : 317878.0/8

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 10.530 ± 42.294 χ^2/NDF : 14.1/16

Left Out: 171.082 ± 52.116 χ^2/NDF : 11.7/10

Right Out: 80.462 ± 38.950 χ^2/NDF : 19.9/19

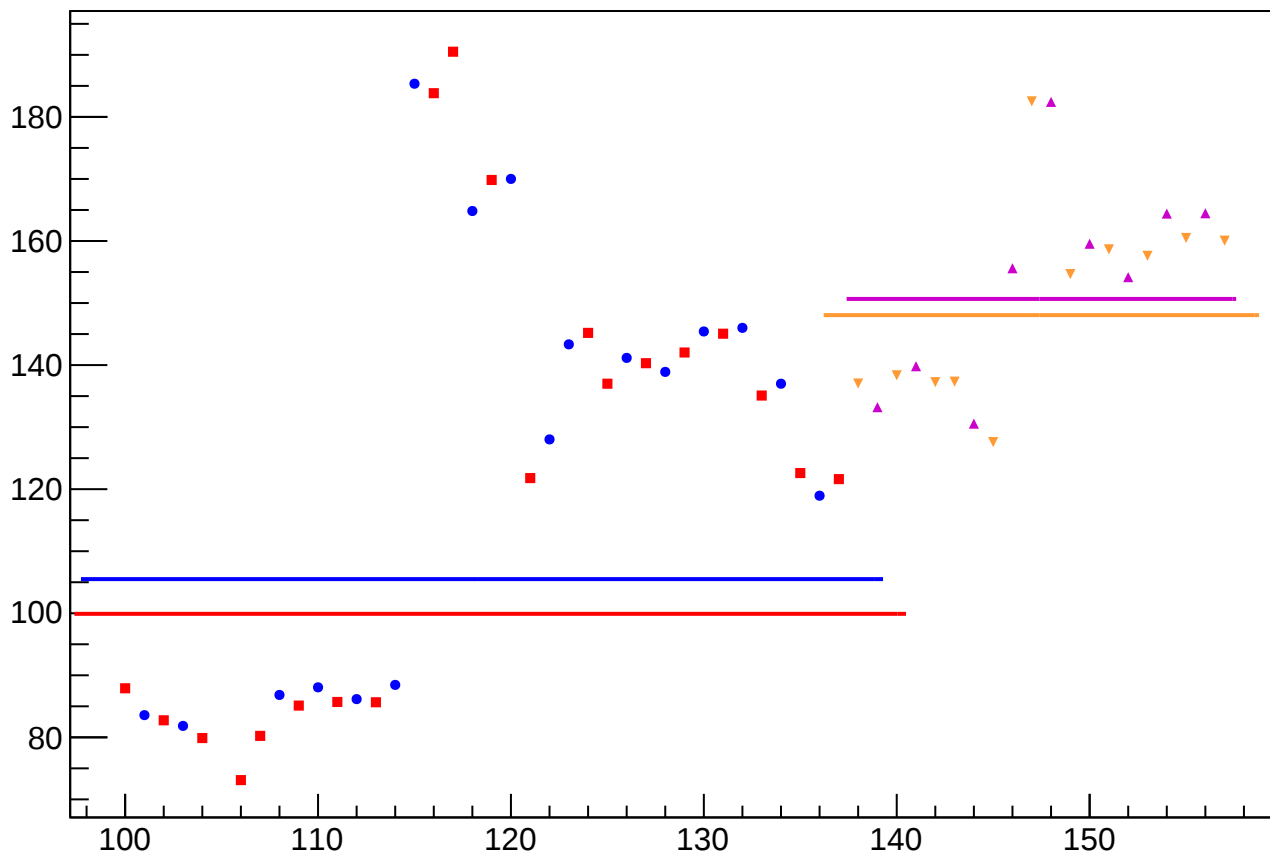
Left In: 163.349 ± 55.825 χ^2/NDF : 6.3/8

74.282 ± 32.841 χ^2/NDF : 31.5/27

91.403 ± 22.898 χ^2/NDF : 59.6/56

107.600 ± 31.943 χ^2/NDF : 27.6/28

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 105.503 $\pm$ 0.030 χ^2/NDF : 869022.6/16

Left Out: 148.054 $\pm$ 0.037 χ^2/NDF : 160272.9/10

Right Out: 99.907 $\pm$ 0.028 χ^2/NDF : 1019545.3/19

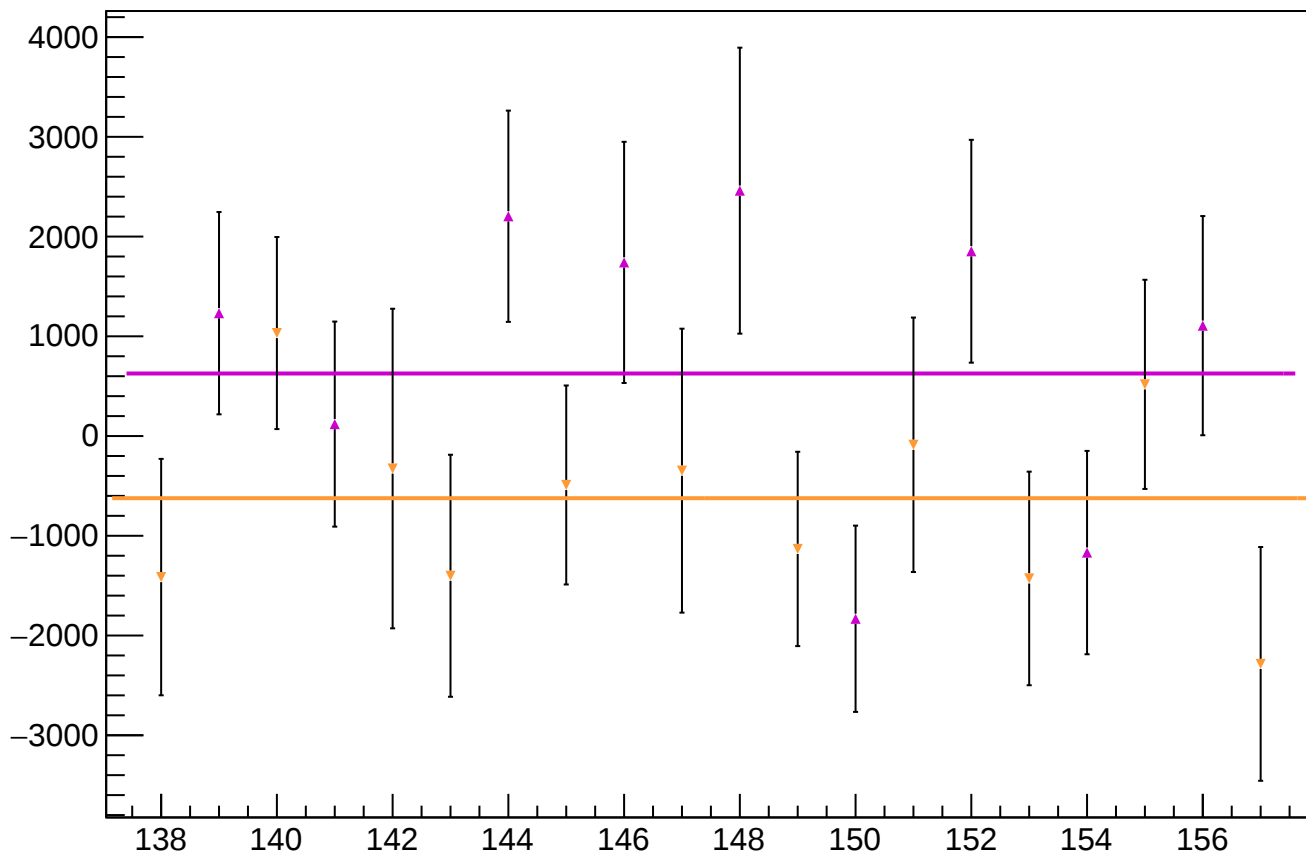
Left In: 150.663 $\pm$ 0.039 χ^2/NDF : 155406.6/8

122.399 $\pm$ 0.023 χ^2/NDF : 1833138.1/27

119.381 $\pm$ 0.016 χ^2/NDF : 4152932.2/56

116.525 $\pm$ 0.023 χ^2/NDF : 2286919.0/28

asym_sam5_correction_mean vs Slug, Sign Corrected



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

Left Out: -623.210+/-342.278 χ^2/NDF : 8.1/10

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

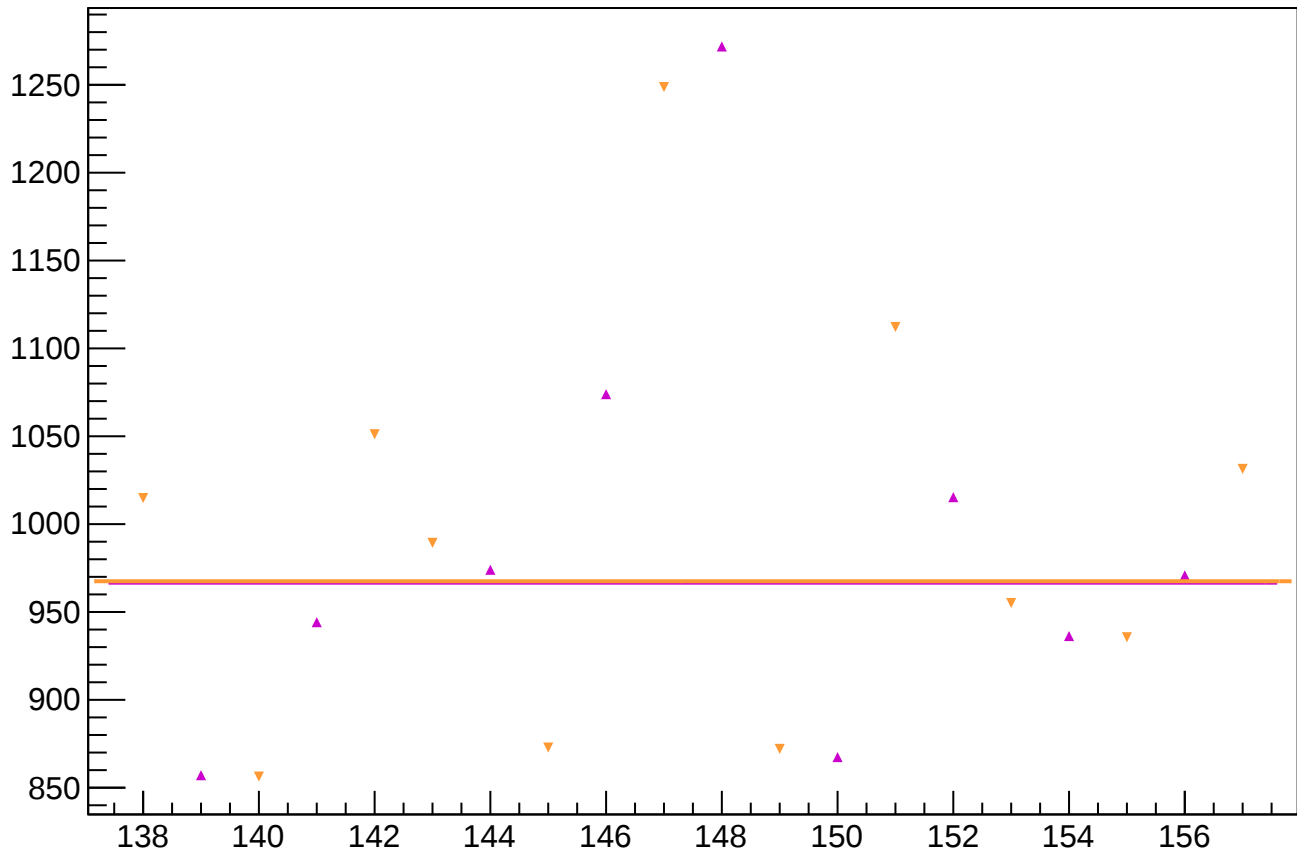
Left In: 627.070+/-359.928 χ^2/NDF : 16.7/8

-623.210+/-342.278 χ^2/NDF : 8.1/10

-29.476+/-248.032 χ^2/NDF : 31.2/19

627.070+/-359.928 χ^2/NDF : 16.7/8

asym_sam5_correction_rms vs Slug, Sign Corrected



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

Left Out: 967.497+/-0.242 χ^2/NDF :185007.5/10

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

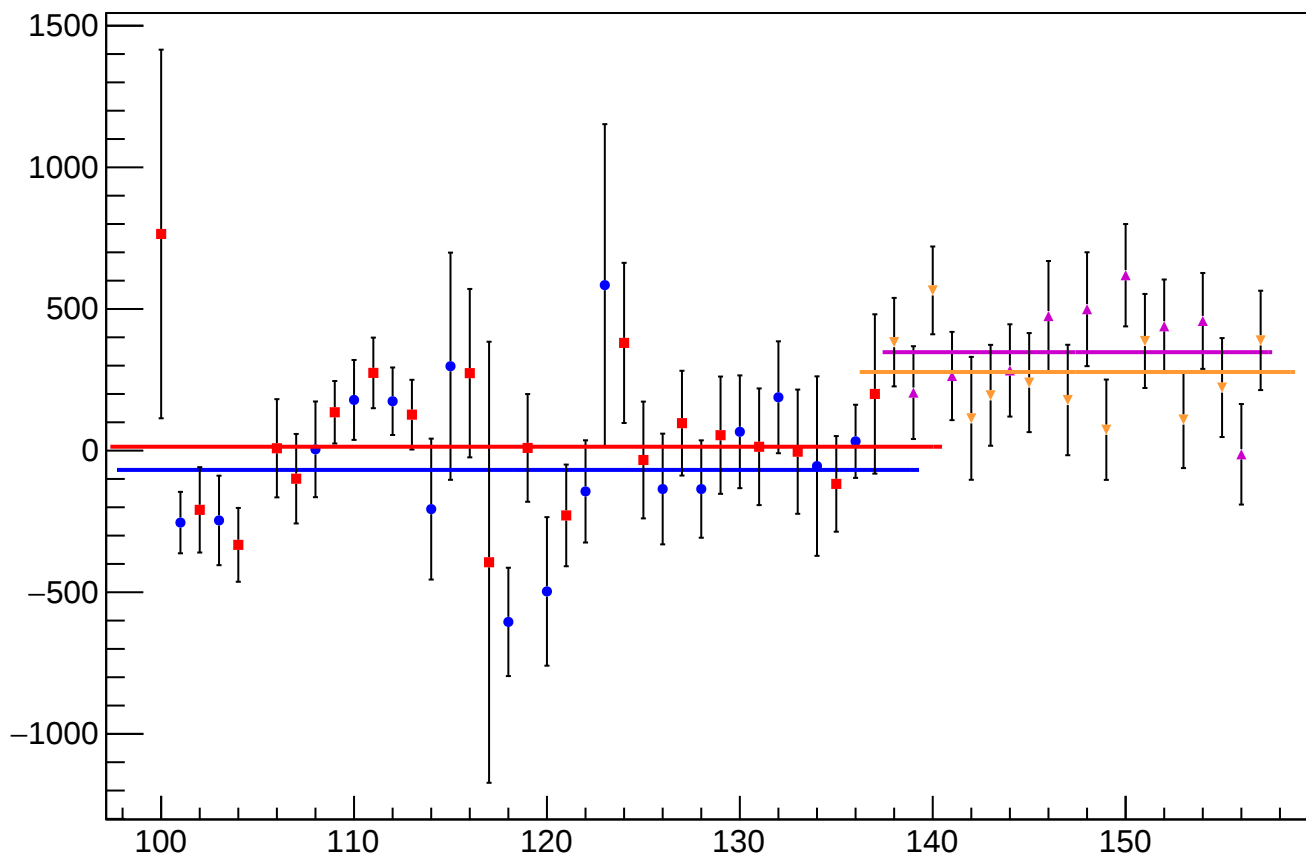
Left In: 966.692+/-0.255 χ^2/NDF :158952.9/8

967.497+/-0.242 χ^2/NDF : 185007.5/10

967.115+/-0.175 χ^2/NDF : 343965.7/19

966.692+/-0.255 χ^2/NDF : 158952.9/8

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -68.111 $\pm$ 42.265 χ^2 /NDF: 27.8/16

Left Out: 277.566 $\pm$ 52.560 χ^2 /NDF: 8.2/10

Right Out: 13.752 $\pm$ 39.416 χ^2 /NDF: 23.4/19

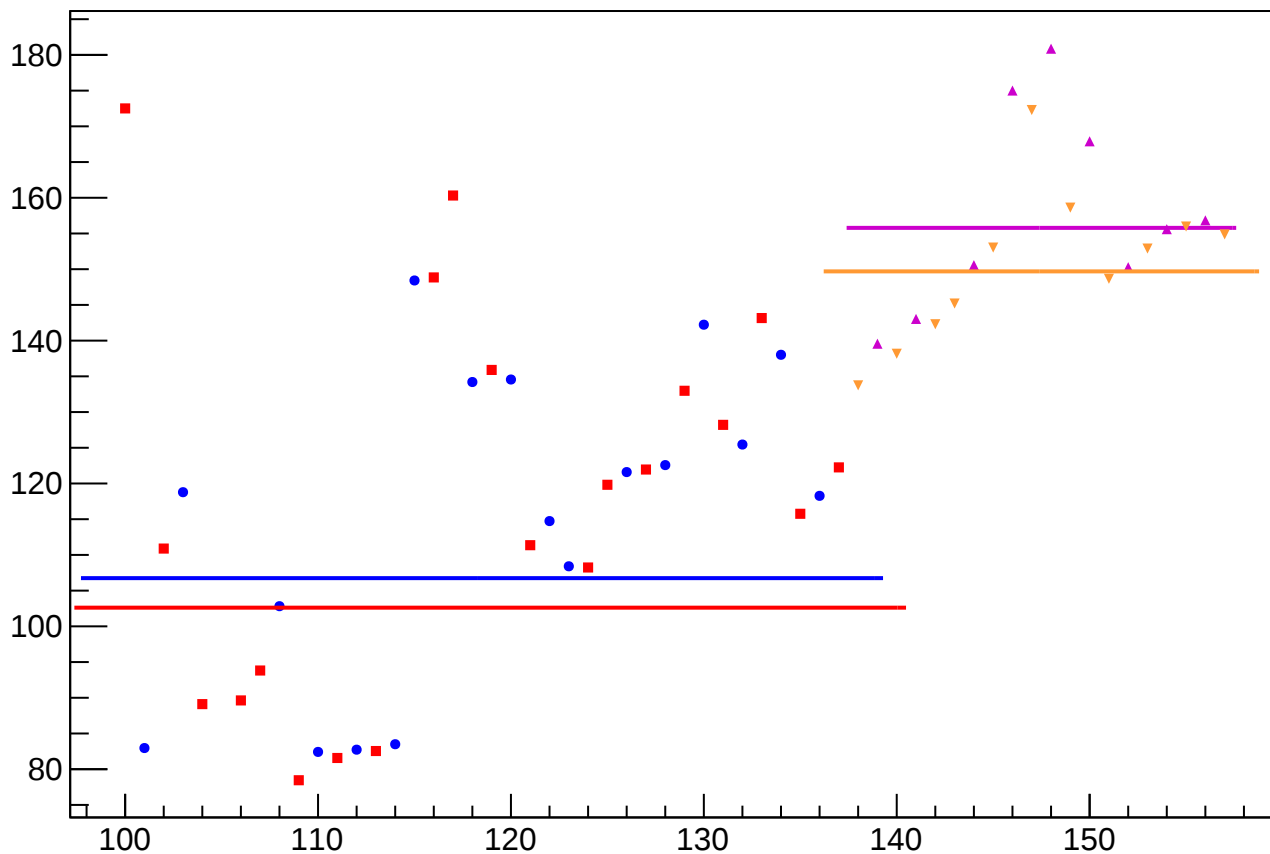
Left In: 347.509 $\pm$ 57.608 χ^2 /NDF: 9.3/8

67.636 $\pm$ 32.937 χ^2 /NDF: 62.3/27

94.233 $\pm$ 23.145 χ^2 /NDF: 119.2/56

120.177 $\pm$ 32.530 χ^2 /NDF: 55.6/28

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 106.749+/-0.030 χ^2/NDF : 501742.8/16

Left Out: 149.694+/-0.037 χ^2/NDF : 73313.1/10

Right Out: 102.615+/-0.028 χ^2/NDF : 600357.6/19

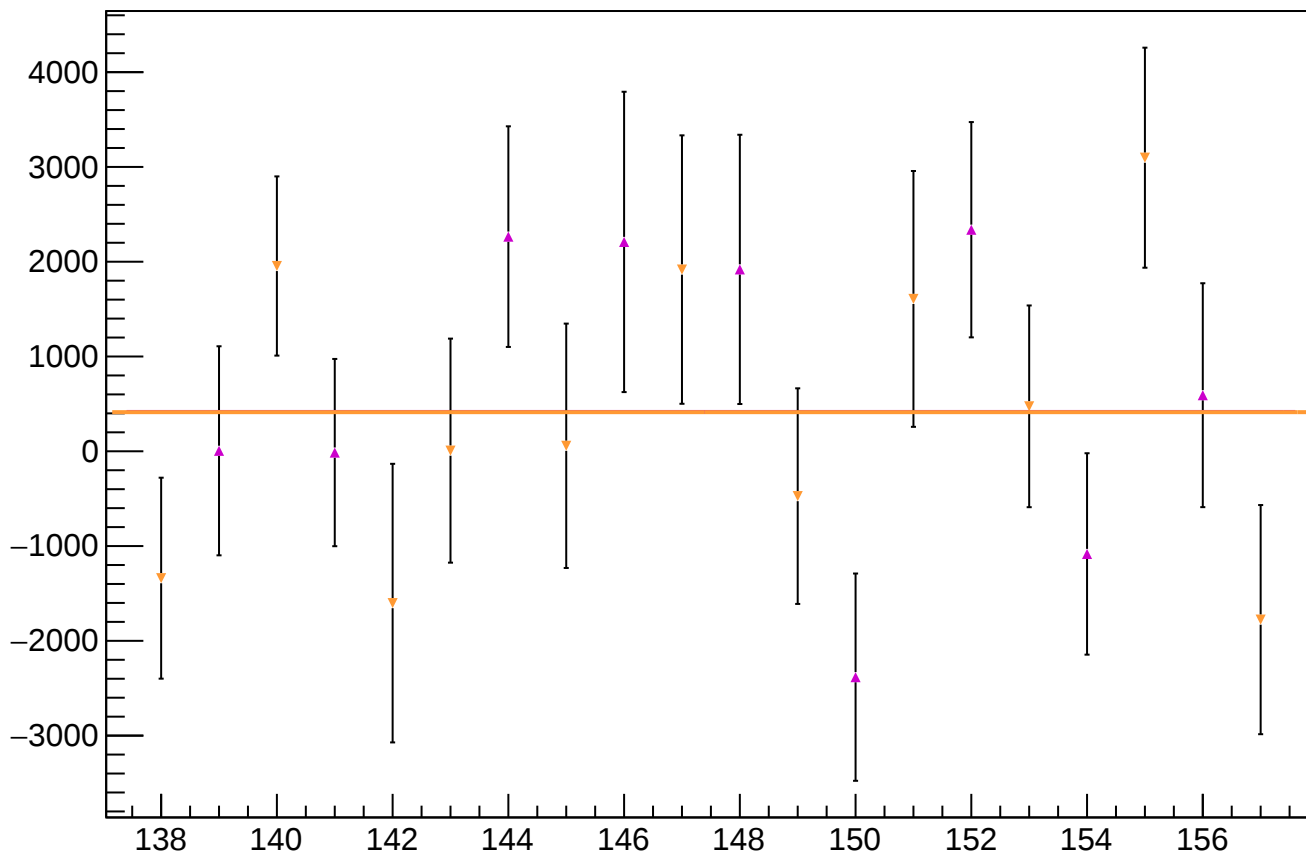
Left In: 155.786+/-0.041 χ^2/NDF : 97037.7/8

123.614+/-0.023 χ^2/NDF : 1385897.1/27

121.567+/-0.016 χ^2/NDF : 3259068.9/56

119.570+/-0.023 χ^2/NDF : 1857911.8/28

asym_sam6_correction_mean vs Slug, Sign Corrected



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

Left Out: 412.749+/-355.360 χ^2/NDF : 18.6/10

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

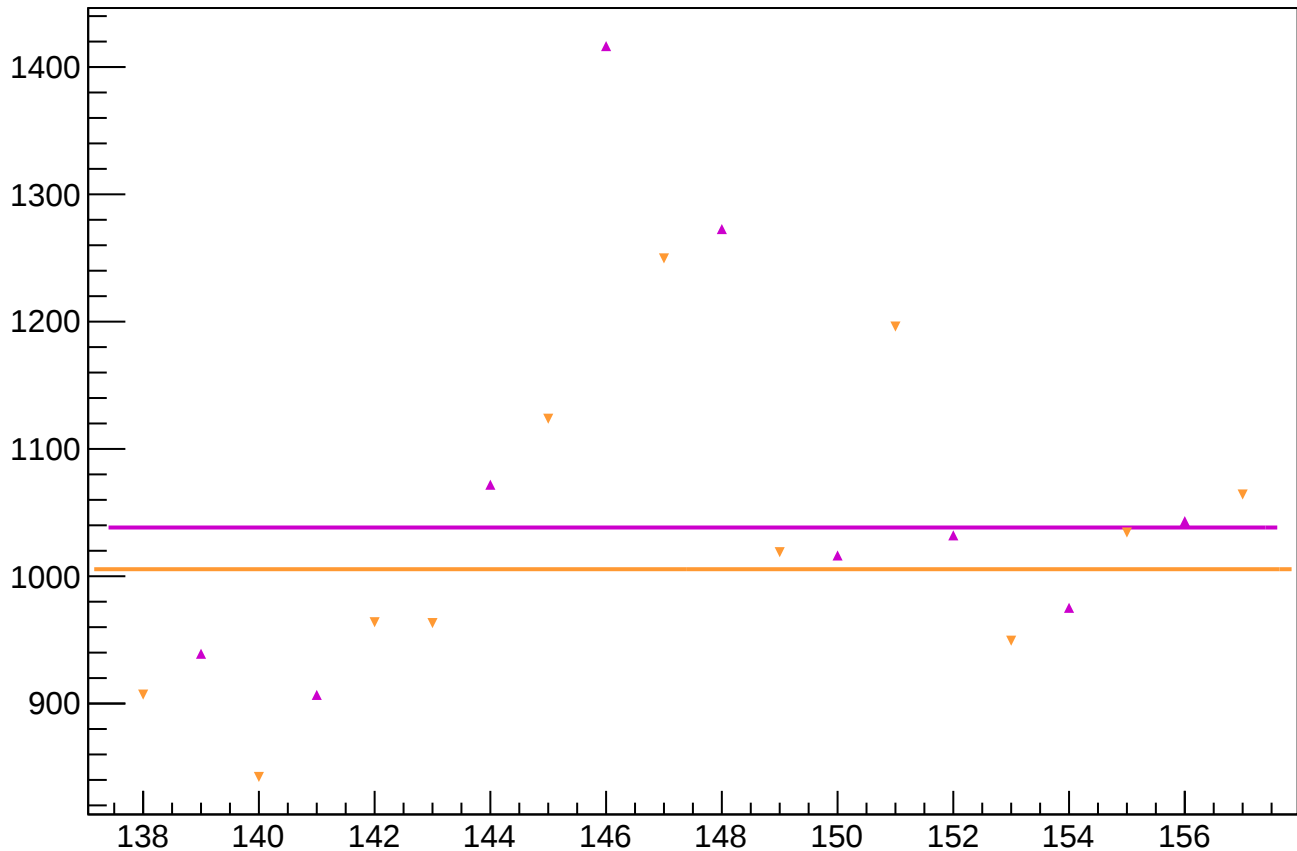
Left In: 414.844+/-386.536 χ^2/NDF : 16.7/8

412.749+/-355.360 χ^2/NDF : 18.6/10

413.708+/-261.606 χ^2/NDF : 35.3/19

414.844+/-386.536 χ^2/NDF : 16.7/8

asym_sam6_correction_rms vs Slug, Sign Corrected



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

Left Out: 1005.525+/-0.251 χ^2/NDF : 208966.1/10

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

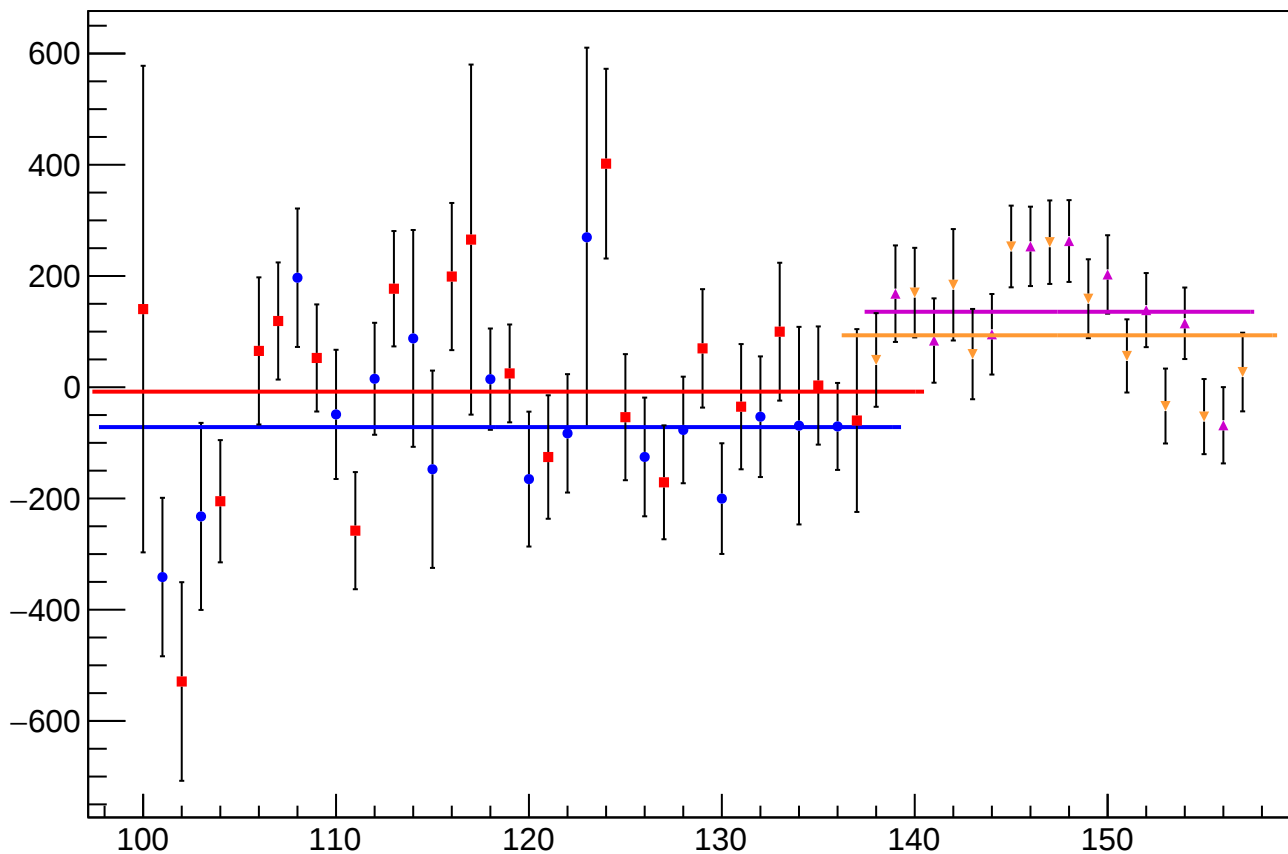
Left In: 1038.279+/-0.273 χ^2/NDF : 229639.9/8

1005.525+/-0.251 χ^2/NDF : 208966.1/10

1020.528+/-0.185 χ^2/NDF : 446389.0/19

1038.279+/-0.273 χ^2/NDF : 229639.9/8

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -71.669 ± 28.358 $\chi^2/\text{NDF}: 15.2/16$

Left Out: 93.384 ± 22.479 $\chi^2/\text{NDF}: 22.2/10$

Right Out: -7.933 ± 26.719 $\chi^2/\text{NDF}: 37.2/19$

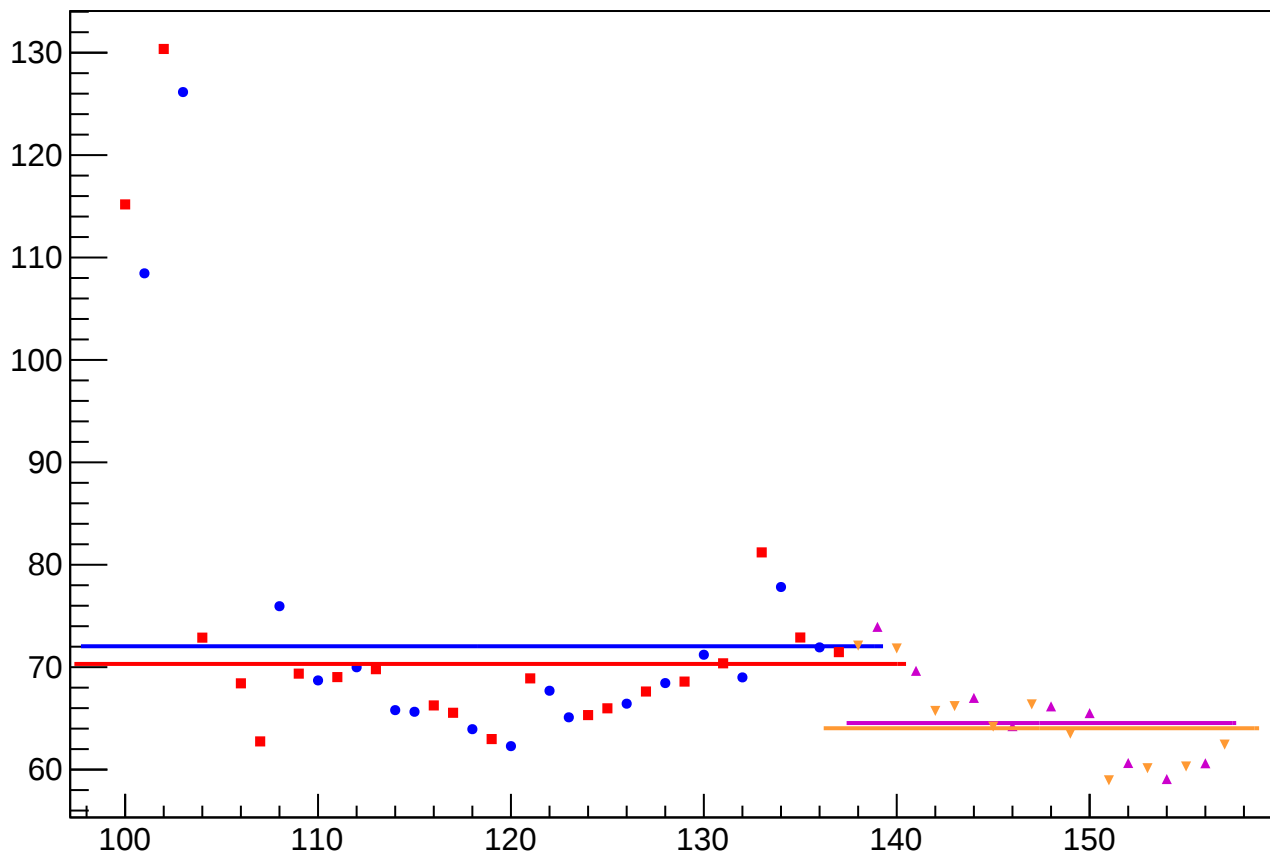
Left In: 135.681 ± 23.839 $\chi^2/\text{NDF}: 16.5/8$

29.694 ± 17.616 $\chi^2/\text{NDF}: 58.2/27$

50.656 ± 12.517 $\chi^2/\text{NDF}: 130.9/56$

72.029 ± 17.788 $\chi^2/\text{NDF}: 69.8/28$

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 72.042 $\pm$ 0.020 χ^2 /NDF: 391971.7/16

Left Out: 64.037 $\pm$ 0.016 χ^2 /NDF: 66921.9/10

Right Out: 70.316 $\pm$ 0.019 χ^2 /NDF: 299468.0/19

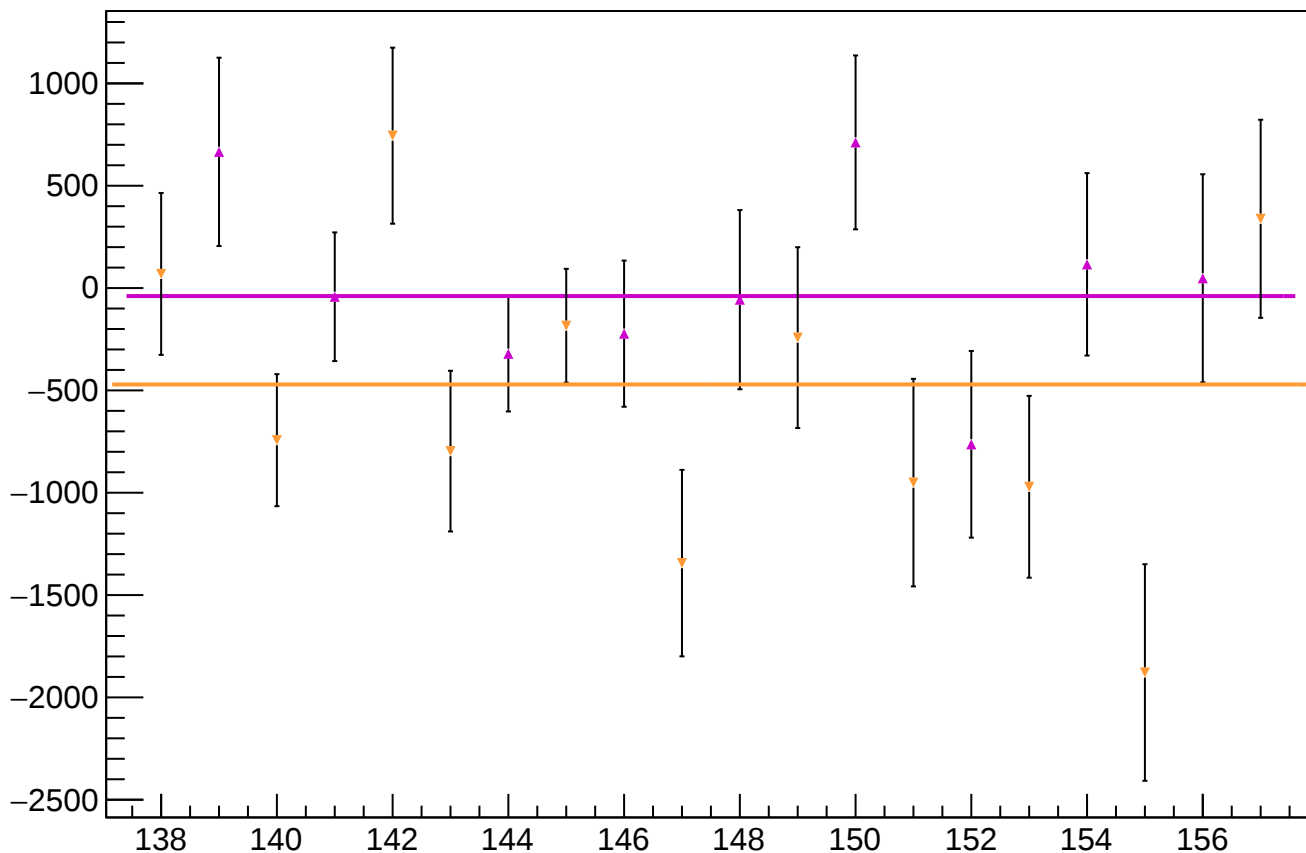
Left In: 64.547 $\pm$ 0.017 χ^2 /NDF: 64042.7/8

67.126 $\pm$ 0.012 χ^2 /NDF: 556773.0/27

67.115 $\pm$ 0.009 χ^2 /NDF: 972209.9/56

67.104 $\pm$ 0.013 χ^2 /NDF: 415435.3/28

asym_sam7_correction_mean vs Slug, Sign Corrected



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

Left Out: -471.013+/-121.662 χ^2/NDF : 28.3/10

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

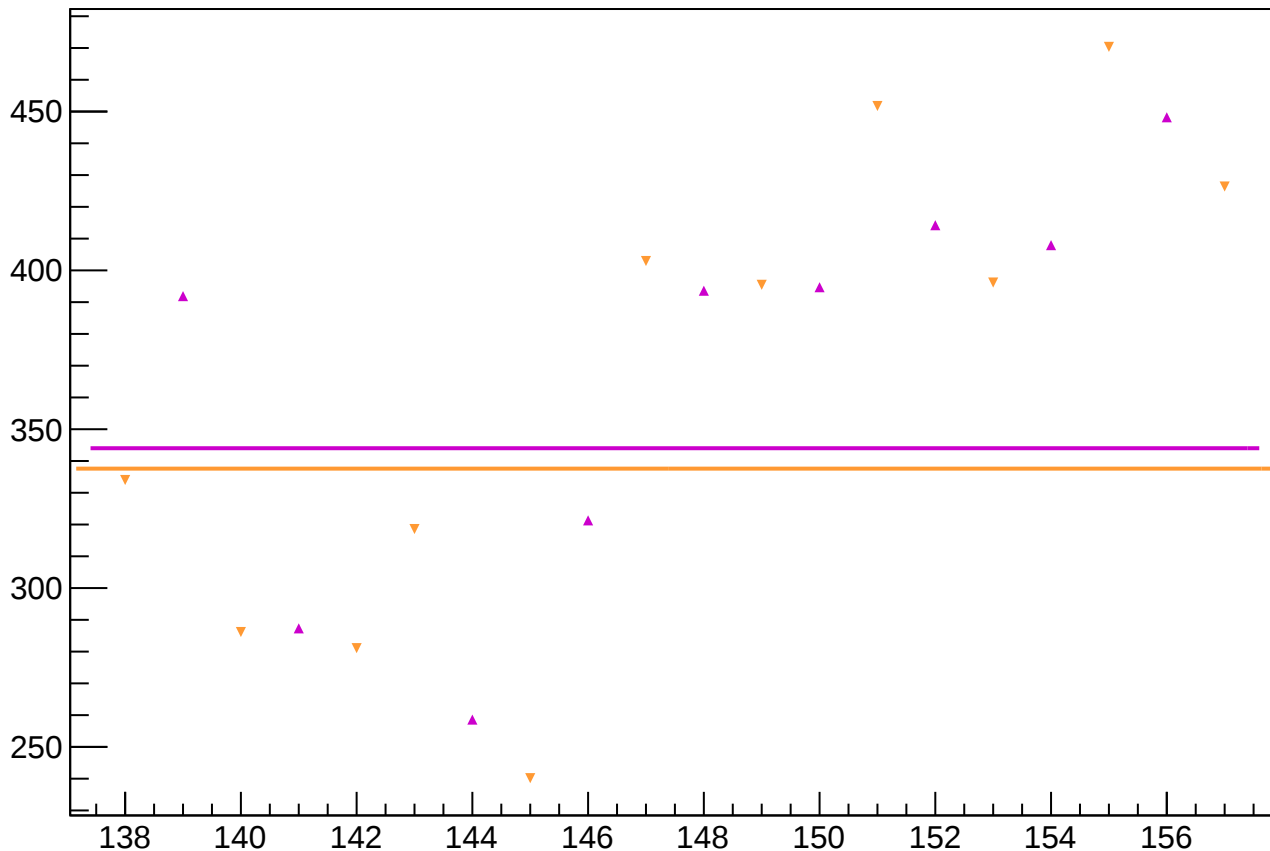
Left In: -39.093+/-129.363 χ^2/NDF : 9.4/8

-471.013+/-121.662 χ^2/NDF : 28.3/10

-268.291+/-88.625 χ^2/NDF : 43.6/19

-39.093+/-129.363 χ^2/NDF : 9.4/8

asym_sam7_correction_rms vs Slug, Sign Corrected



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

Left Out: 337.596+/-0.086 χ^2/NDF : 740456.6/10

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

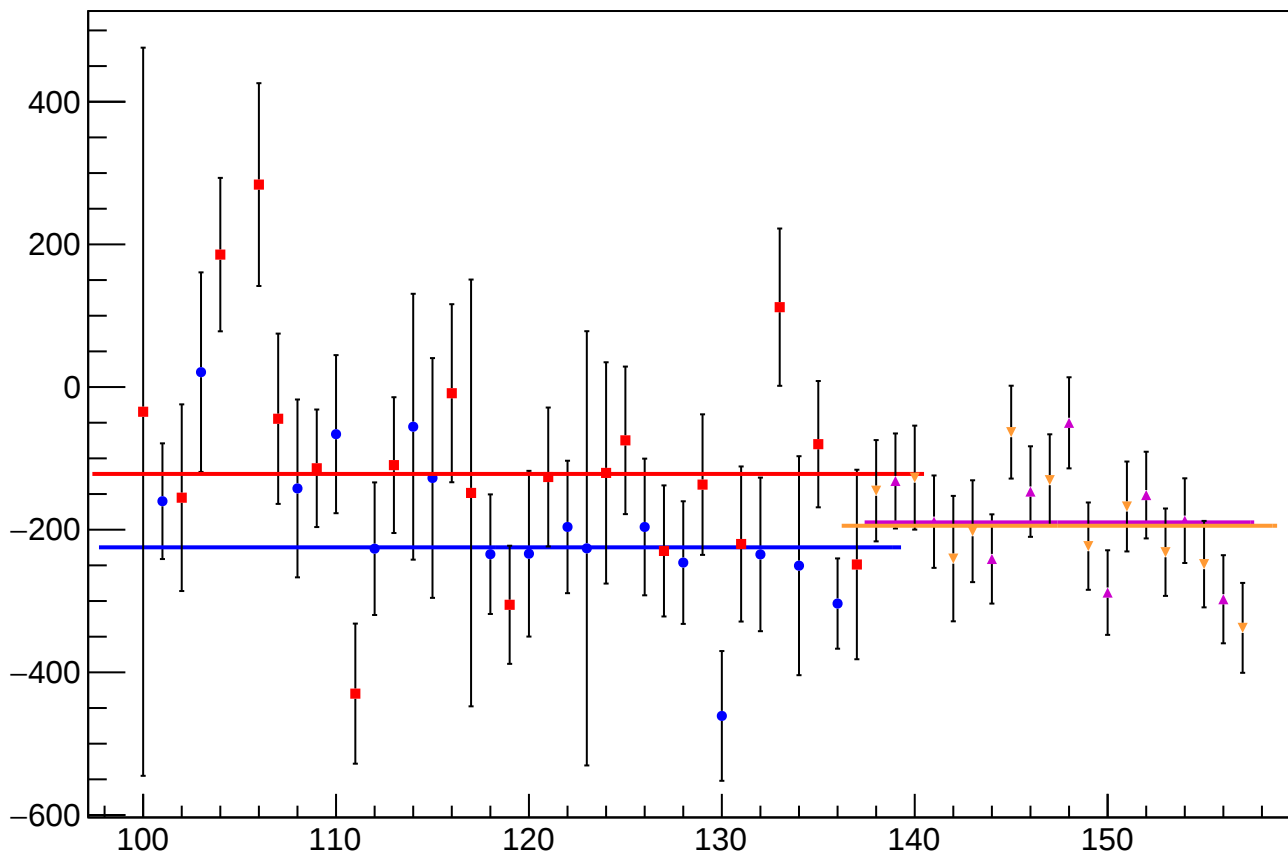
Left In: 344.018+/-0.091 χ^2/NDF : 505330.7/8

337.596+/-0.086 χ^2/NDF : 740456.6/10

340.610+/-0.063 χ^2/NDF : 1248403.3/19

344.018+/-0.091 χ^2/NDF : 505330.7/8

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -224.727 ± 24.880 χ^2/NDF : 16.0/16

Left Out: -194.465 ± 20.004 χ^2/NDF : 13.4/10

Right Out: -121.814 ± 24.516 χ^2/NDF : 40.5/19

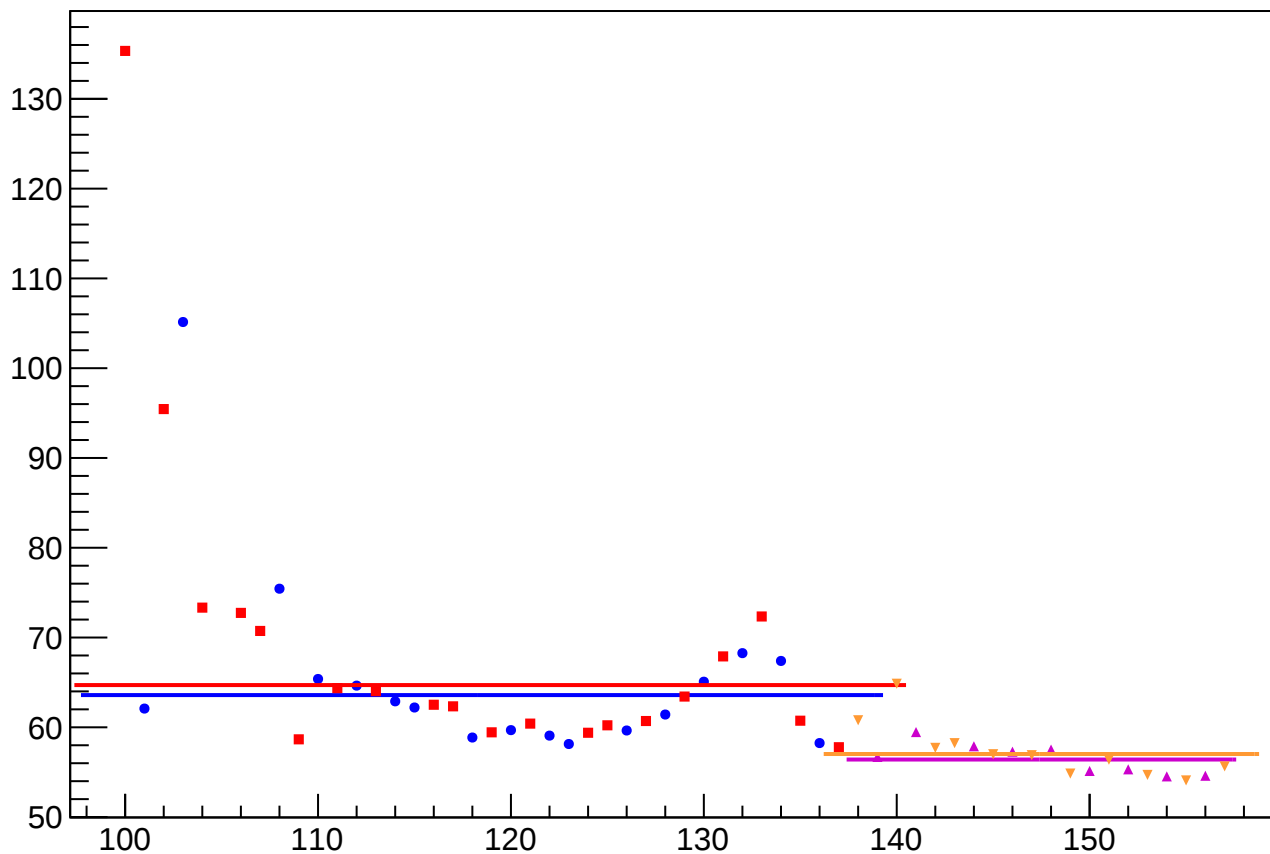
Left In: -189.736 ± 20.791 χ^2/NDF : 12.9/8

-206.346 ± 15.590 χ^2/NDF : 30.3/27

-184.216 ± 11.117 χ^2/NDF : 92.2/56

-161.322 ± 15.857 χ^2/NDF : 57.8/28

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 63.589+/-0.018 χ^2/NDF : 234601.0/16

Left Out: 57.026+/-0.014 χ^2/NDF : 40669.1/10

Right Out: 64.704+/-0.017 χ^2/NDF : 227632.6/19

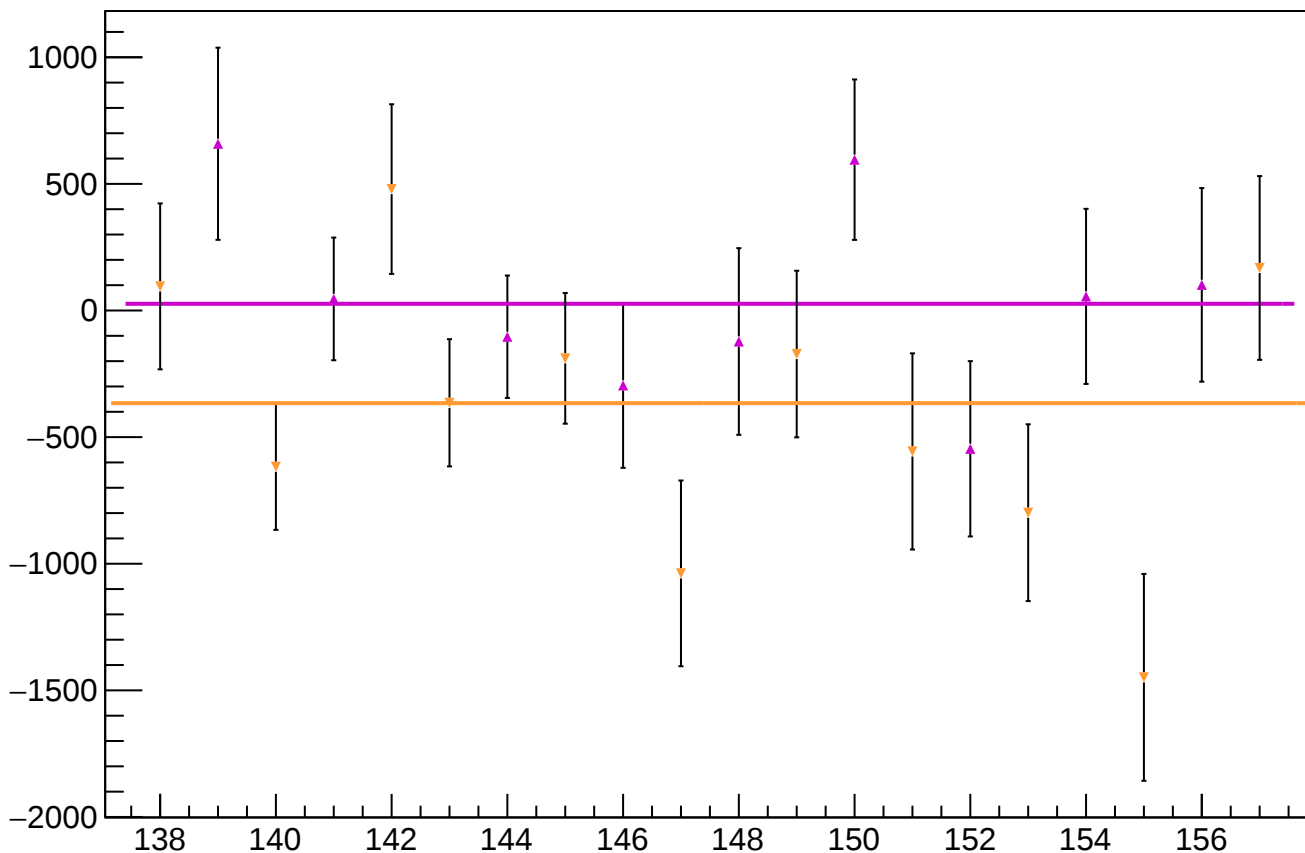
Left In: 56.410+/-0.015 χ^2/NDF : 11871.9/8

59.603+/-0.011 χ^2/NDF : 359807.6/27

59.739+/-0.008 χ^2/NDF : 732761.8/56

59.880+/-0.011 χ^2/NDF : 372643.3/28

asym_sam8_correction_mean vs Slug, Sign Corrected



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

Left Out: -365.800+/-95.206 χ^2/NDF : 24.5/10

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

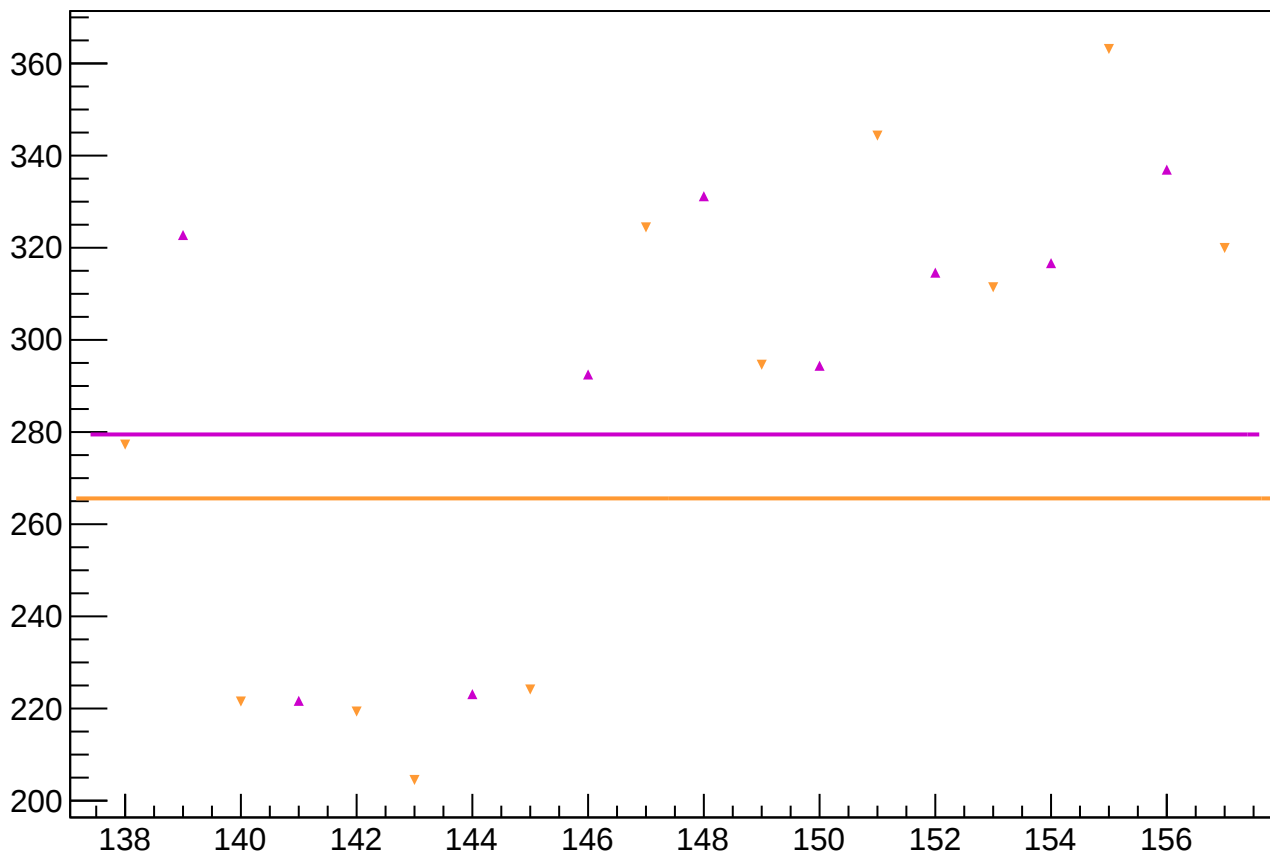
Left In: 26.529+/-104.576 χ^2/NDF : 10.2/8

-365.800+/-95.206 χ^2/NDF : 24.5/10

-187.994+/-70.401 χ^2/NDF : 42.4/19

26.529+/-104.576 χ^2/NDF : 10.2/8

asym_sam8_correction_rms vs Slug, Sign Corrected



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

Left Out: 265.600+/-0.067 χ^2/NDF : 616304.8/10

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

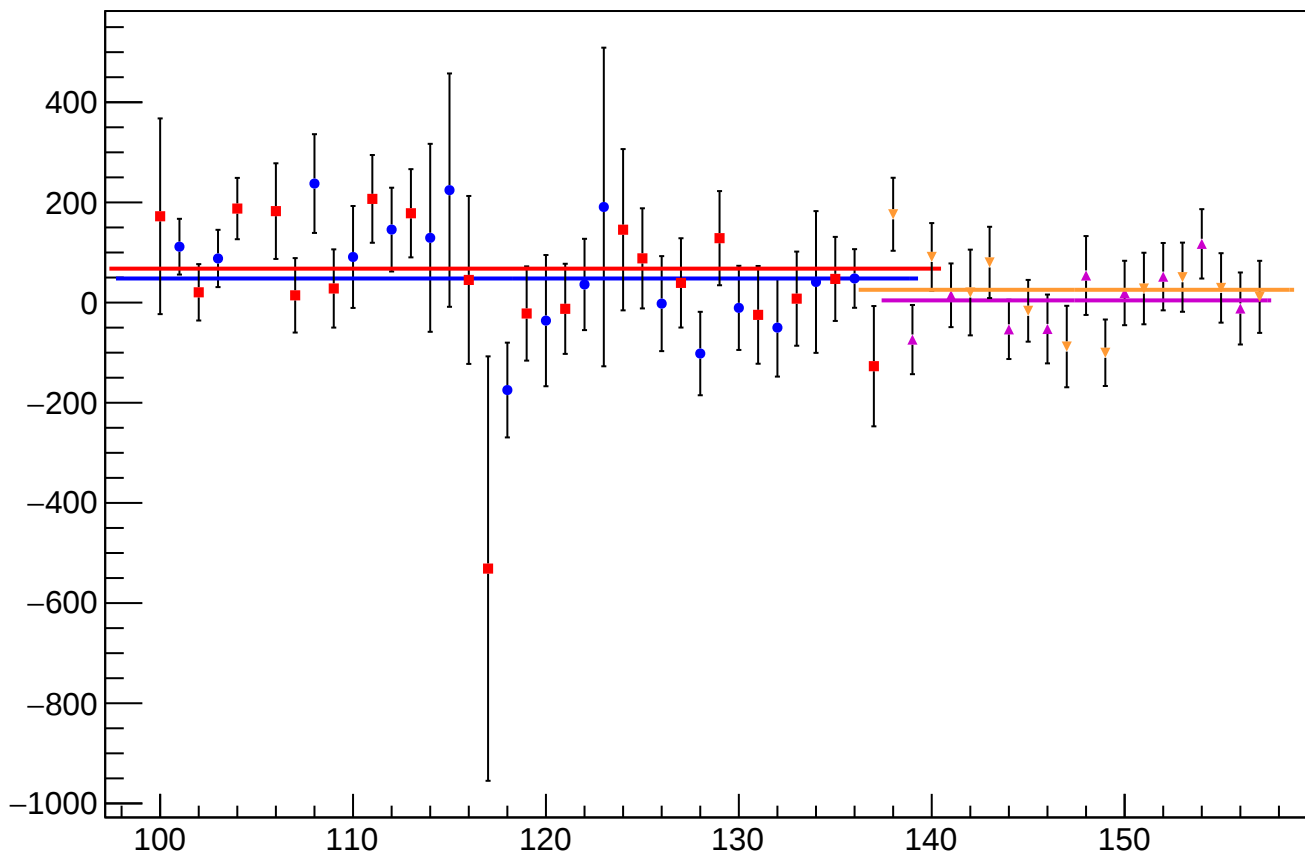
Left In: 279.480+/-0.074 χ^2/NDF : 384675.6/8

265.600+/-0.067 χ^2/NDF : 616304.8/10

271.890+/-0.050 χ^2/NDF : 1020246.2/19

279.480+/-0.074 χ^2/NDF : 384675.6/8

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 48.109 $\pm$ 21.510 χ^2 /NDF: 19.0/16

Left Out: 25.530 $\pm$ 21.370 χ^2 /NDF:12.0/10

Right Out: 67.767 $\pm$ 20.383 χ^2 /NDF: 19.7/19

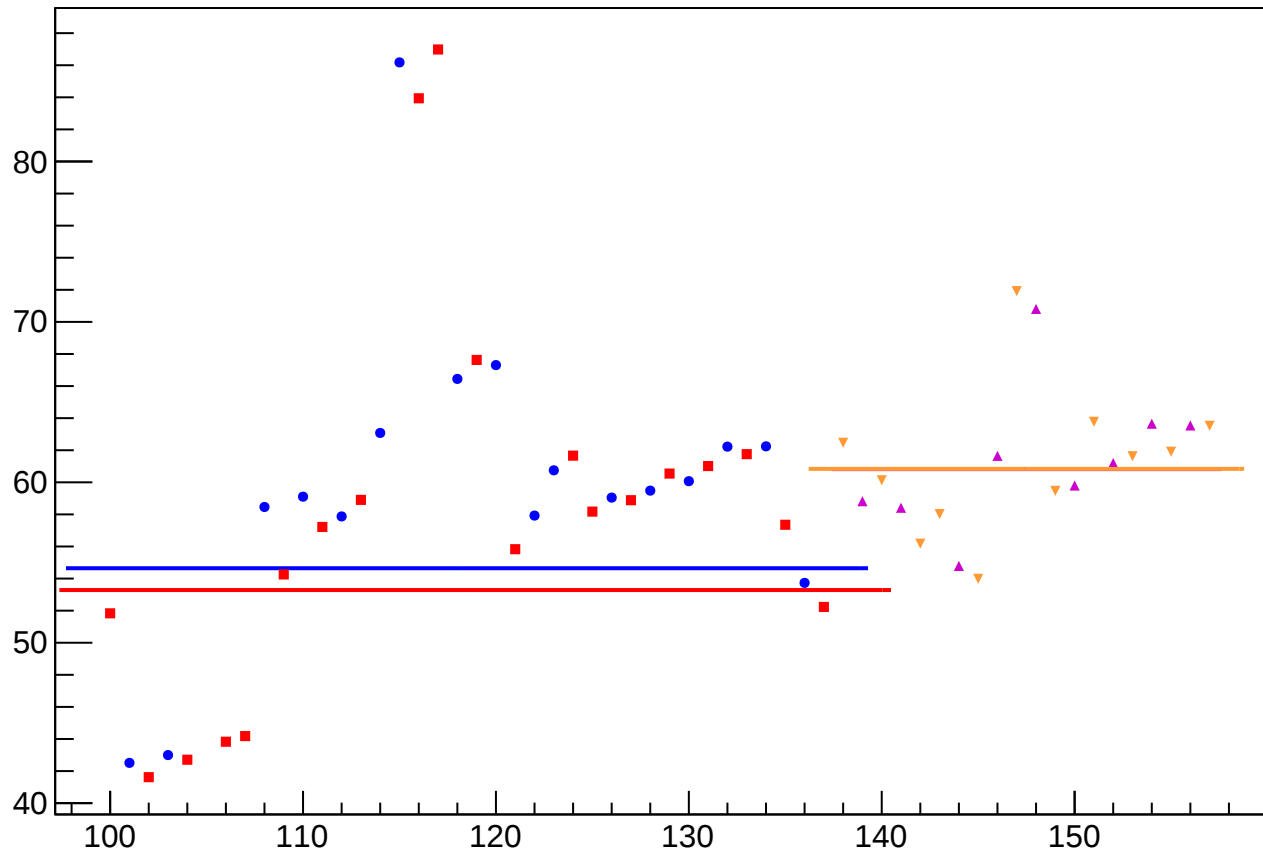
Left In: 4.379 $\pm$ 22.473 χ^2 /NDF:6.6/8

36.745 $\pm$ 15.160 χ^2 /NDF: 31.5/27

37.956 $\pm$ 10.698 χ^2 /NDF: 62.2/56

39.157 $\pm$ 15.098 χ^2 /NDF: 30.6/28

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 54.645+/-0.015 χ^2/NDF : 319300.2/16

Left Out: 60.839+/-0.015 χ^2/NDF : 79862.0/10

Right Out: 53.285+/-0.014 χ^2/NDF : 398973.0/19

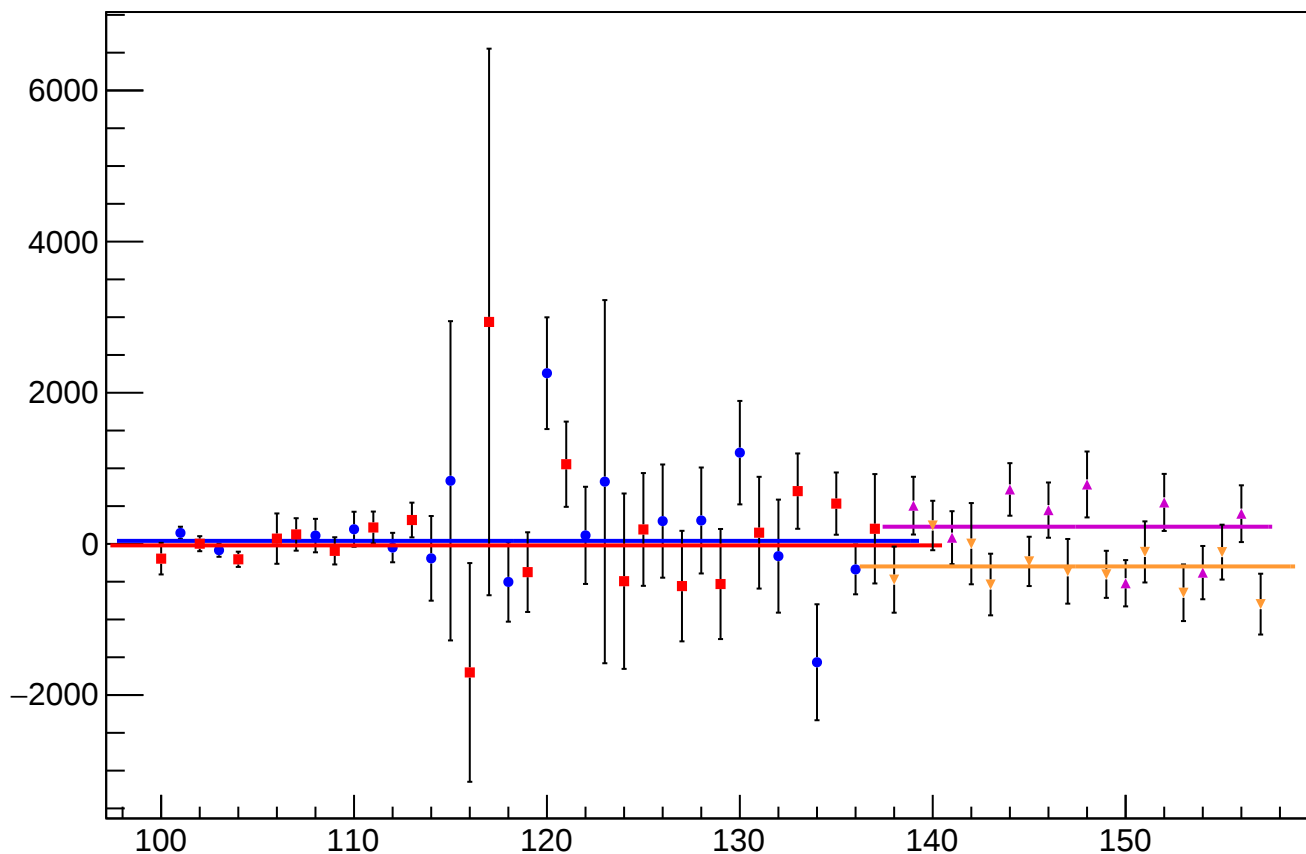
Left In: 60.824+/-0.016 χ^2/NDF : 64560.8/8

57.762+/-0.011 χ^2/NDF : 482616.0/27

57.223+/-0.008 χ^2/NDF : 1074663.4/56

56.688+/-0.011 χ^2/NDF : 587004.0/28

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



Right In: 40.207+/-51.542 χ^2/NDF : 23.9/16

Left Out: -298.137+/-114.533 χ^2/NDF : 6.6/10

Right Out: -19.590+/-53.268 χ^2/NDF : 19.6/19

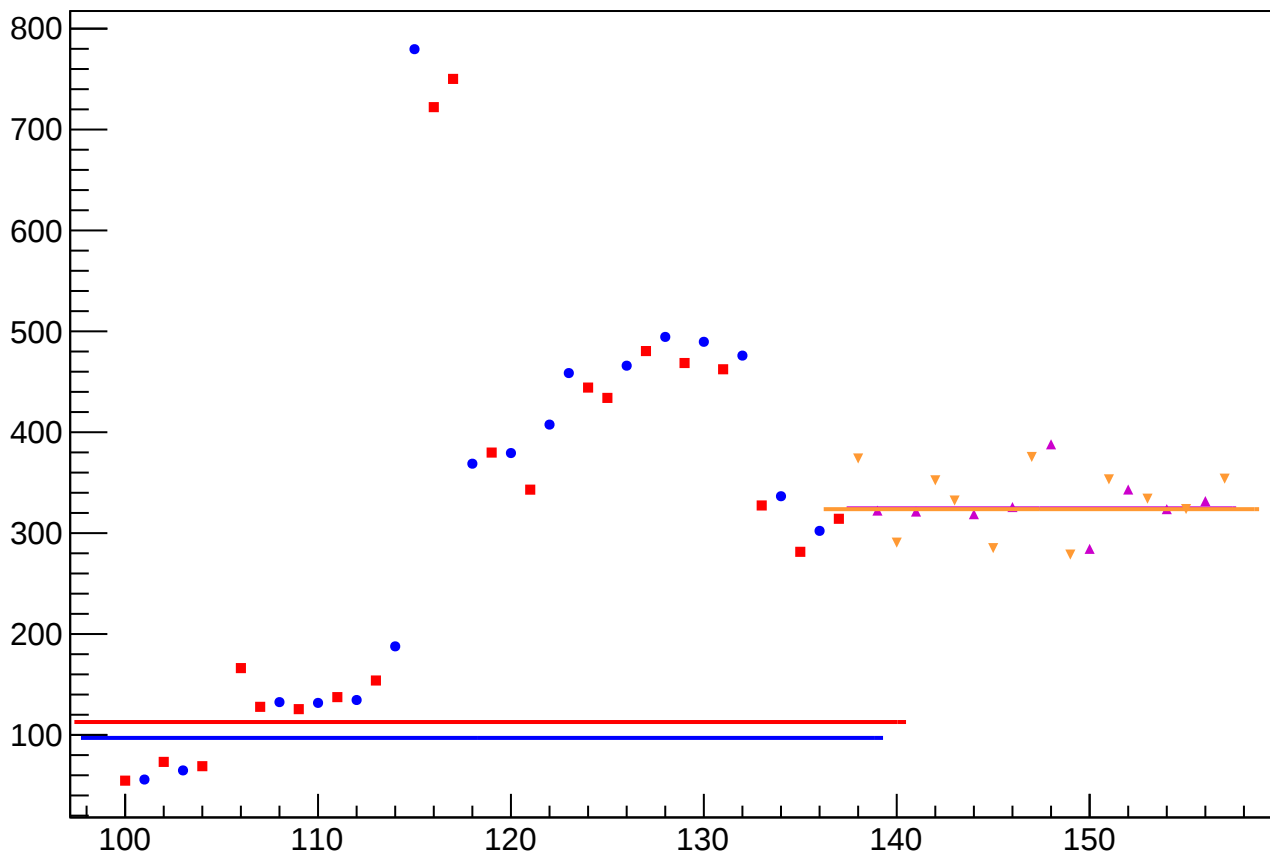
Left In: 227.512+/-120.531 χ^2/NDF : 14.6/8

-16.774+/-47.002 χ^2/NDF : 37.8/27

1.332+/-33.827 χ^2/NDF : 75.7/56

20.787+/-48.722 χ^2/NDF : 37.7/28

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



Right In: 97.039+/-0.036 χ^2/NDF : 5819709.2/16

Left Out: 323.755+/-0.081 χ^2/NDF : 176094.6/10

Right Out: 112.792+/-0.038 χ^2/NDF : 5098459.2/19

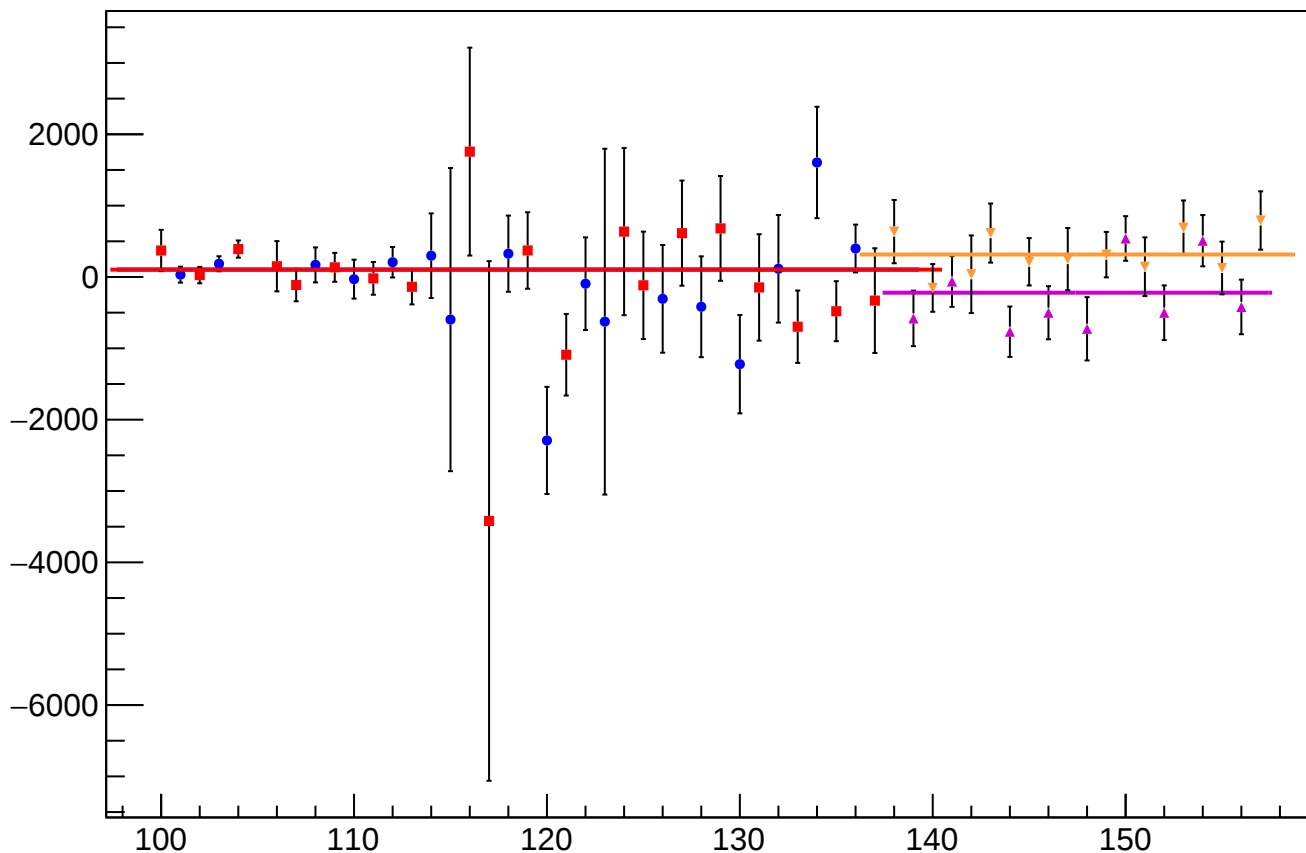
Left In: 324.600+/-0.085 χ^2/NDF : 83148.7/8

135.221+/-0.033 χ^2/NDF : 12512714.8/27

141.092+/-0.024 χ^2/NDF : 22926032.5/56

147.402+/-0.034 χ^2/NDF : 10348566.7/28

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 104.001 $\pm$ 63.156 χ^2 /NDF: 21.3/16

Left Out: 315.350 $\pm$ 116.610 χ^2 /NDF: 6.2/10

Right Out: 103.156 $\pm$ 60.849 χ^2 /NDF: 22.3/19

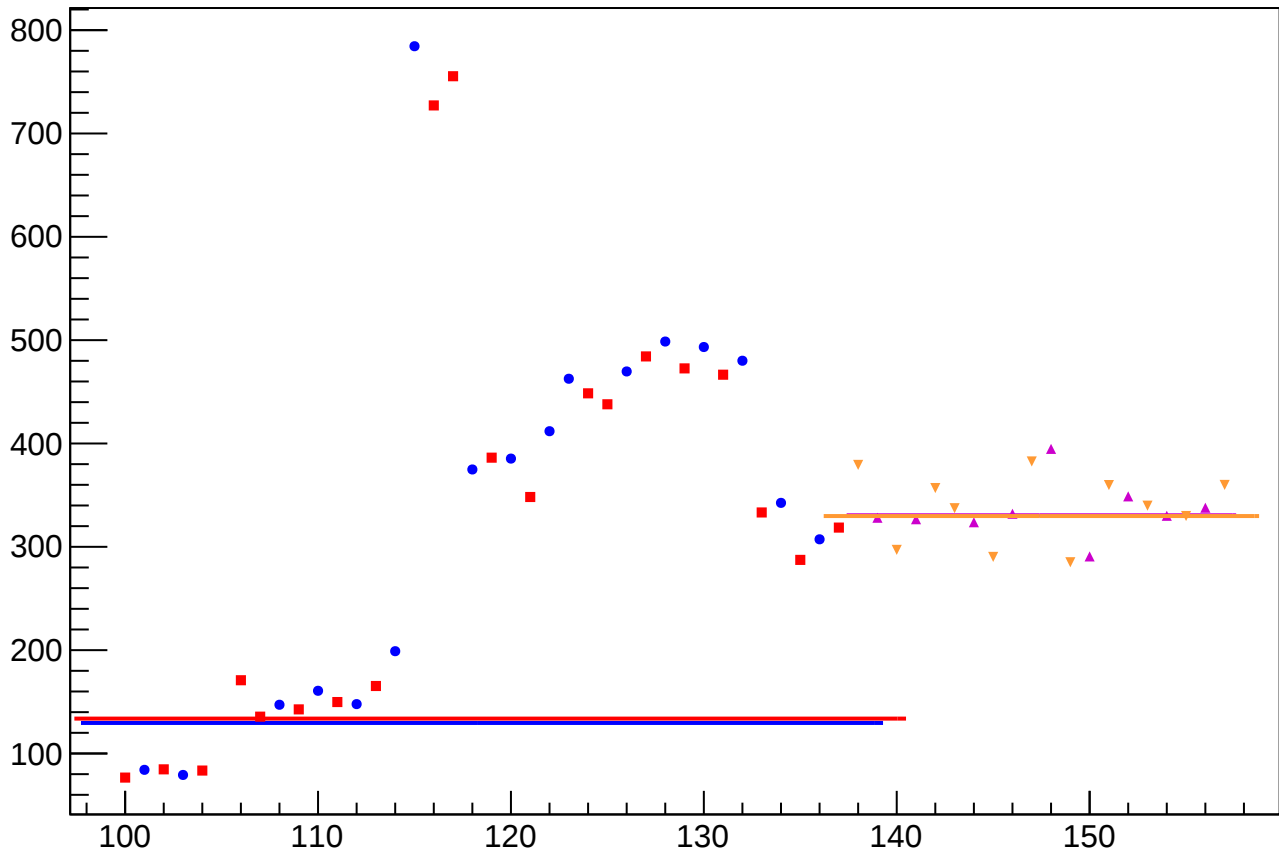
Left In: -220.394 $\pm$ 122.698 χ^2 /NDF: 16.1/8

151.936 $\pm$ 55.534 χ^2 /NDF: 30.0/27

94.568 $\pm$ 38.903 χ^2 /NDF: 76.1/56

39.290 $\pm$ 54.513 χ^2 /NDF: 44.0/28

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 129.552 +/- 0.045 χ^2/NDF : 4772450.4/16

Left Out: 329.774 +/- 0.082 χ^2/NDF : 169794.5/10

Right Out: 133.766 +/- 0.043 χ^2/NDF : 4424544.5/19

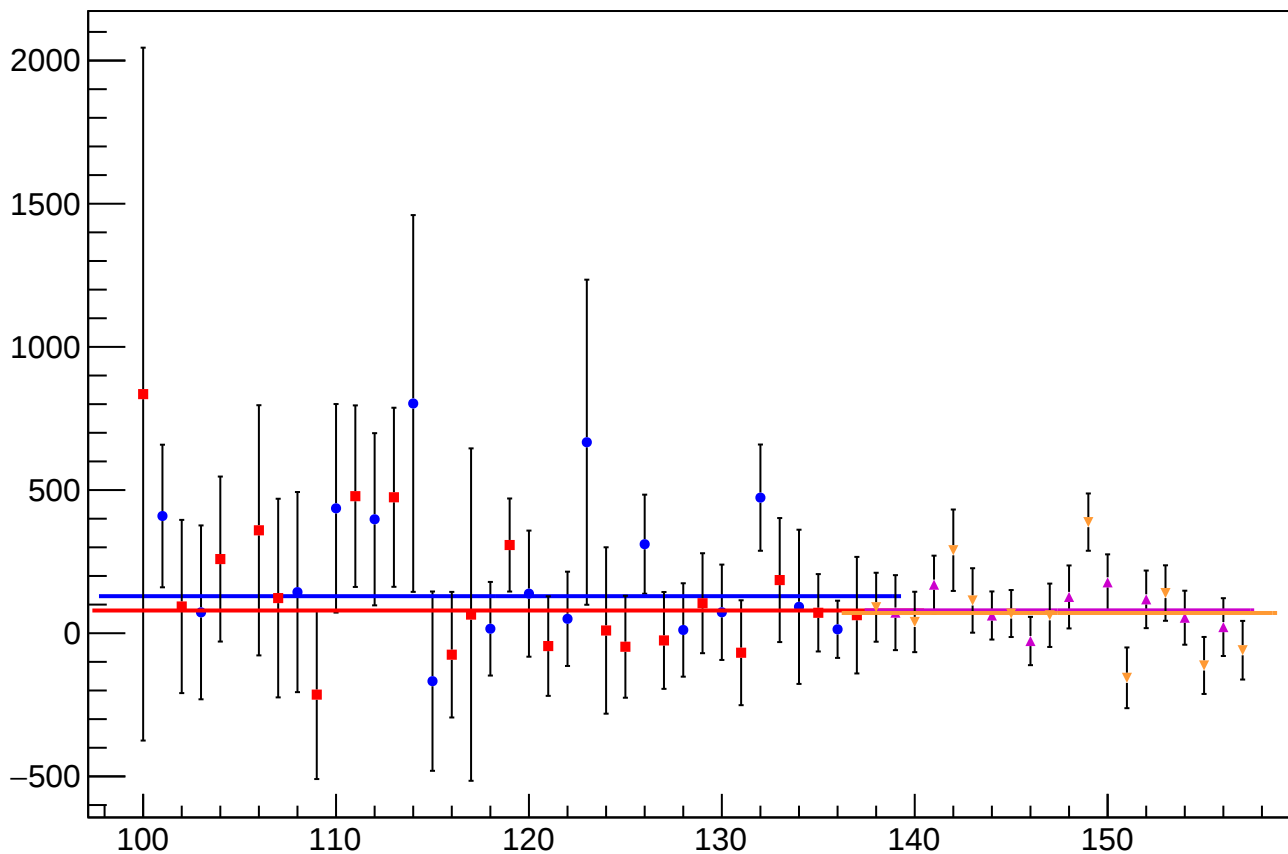
Left In: 330.549 +/- 0.087 χ^2/NDF : 80708.6/8

174.963 +/- 0.039 χ^2/NDF : 9501291.1/27

173.765 +/- 0.028 χ^2/NDF : 18137276.1/56

172.610 +/- 0.039 χ^2/NDF : 8634155.4/28

reg_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 129.398 $\pm$ 49.122 χ^2 /NDF: 12.9/16

Left Out: 70.722 $\pm$ 31.479 χ^2 /NDF:22.8/10

Right Out: 79.378 $\pm$ 49.703 χ^2 /NDF: 10.2/19

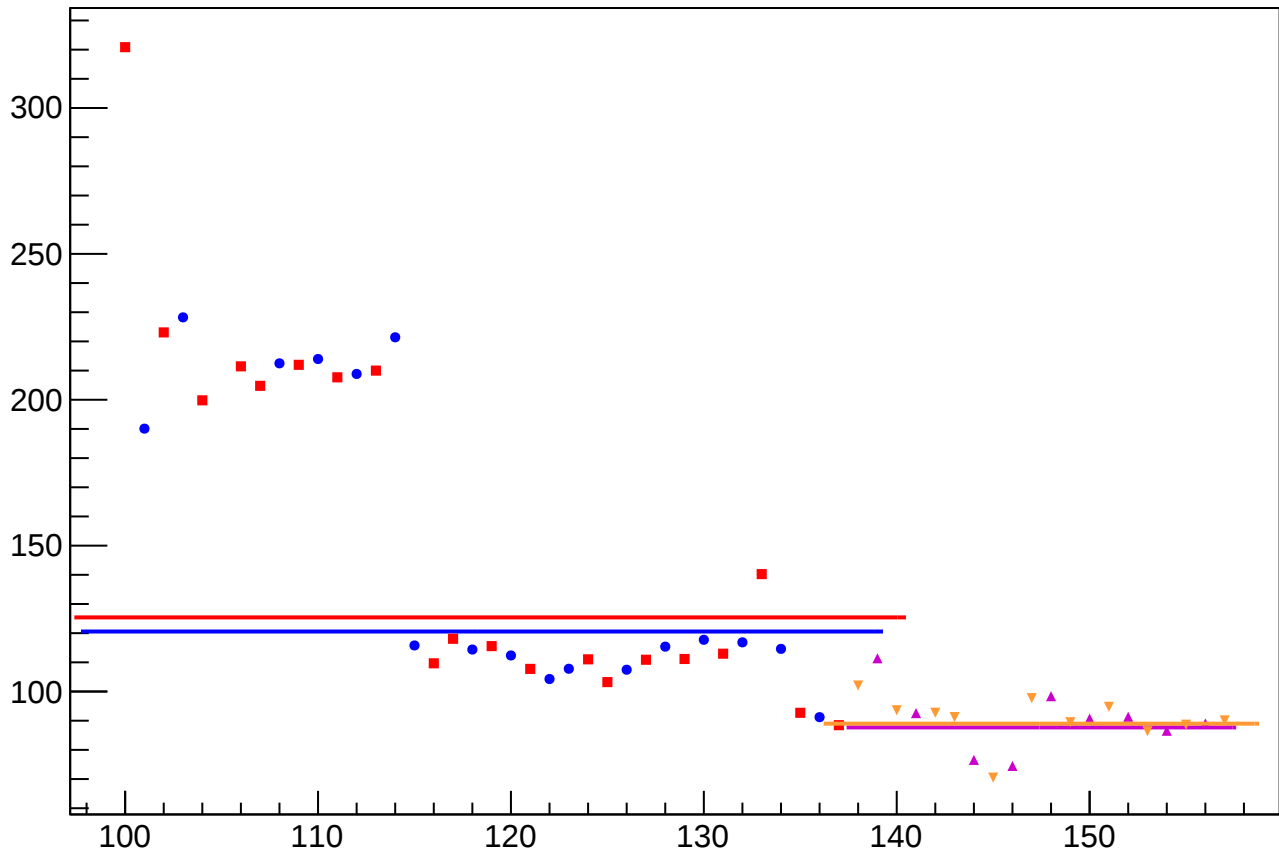
Left In: 79.840 $\pm$ 32.707 χ^2 /NDF:4.2/8

87.804 $\pm$ 26.504 χ^2 /NDF: 36.7/27

83.875 $\pm$ 19.024 χ^2 /NDF: 51.2/56

79.700 $\pm$ 27.322 χ^2 /NDF: 14.4/28

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: 88.987 $\pm$ 0.022 χ^2 /NDF:151300.8/10

Right Out: 125.404 $\pm$ 0.035 χ^2 /NDF: 1334075.7/19

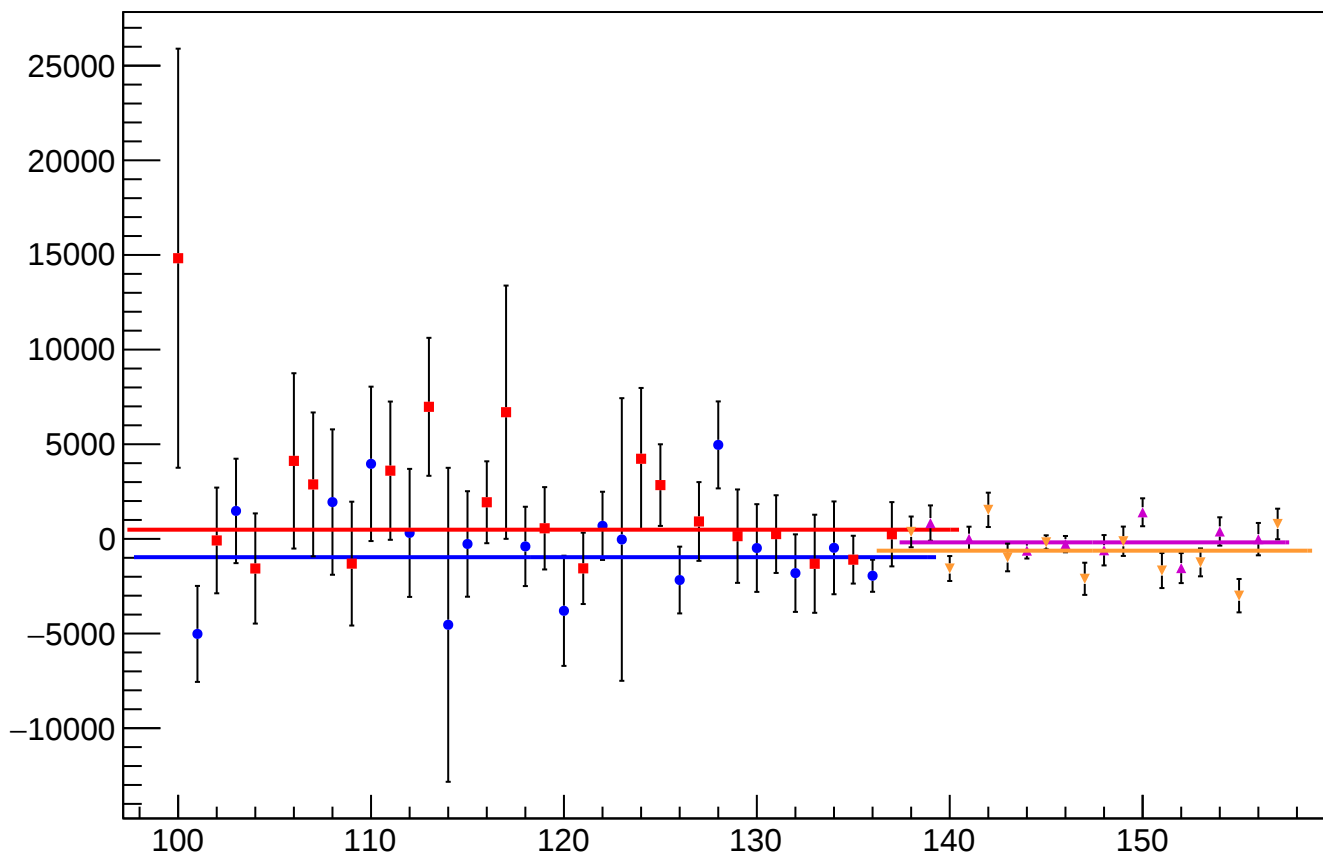
Left In: 87.690 $\pm$ 0.023 χ^2 /NDF:178430.6/8

98.180 $\pm$ 0.019 χ^2 /NDF: 1849304.1/27

98.620 $\pm$ 0.013 χ^2 /NDF: 4166504.6/56

99.087 $\pm$ 0.019 χ^2 /NDF: 2316064.4/28

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



Right In: -966.587+/-512.340 χ^2/NDF : 16.4/16

Left Out: -623.315+/-208.317 χ^2/NDF : 26.6/10

Right Out: 485.654+/-543.567 χ^2/NDF : 14.3/19

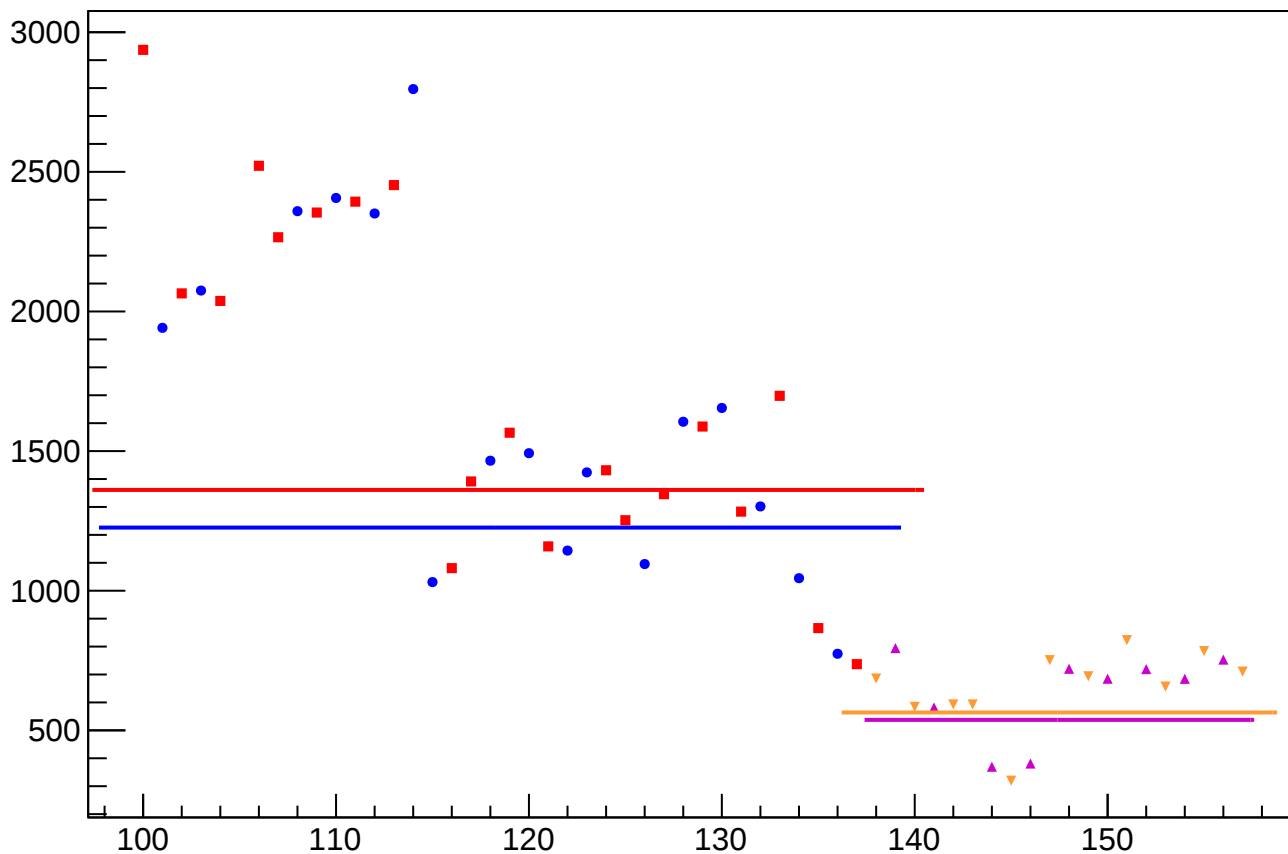
Left In: -183.905+/-209.024 χ^2/NDF : 10.9/8

-672.015+/-192.975 χ^2/NDF : 43.4/27

-387.972+/-137.198 χ^2/NDF : 74.2/56

-97.650+/-195.096 χ^2/NDF : 26.5/28

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: 563.977 $\pm$ 0.147 χ^2/NDF : 1451113.0/10

Right Out: 1360.972 $\pm$ 0.384 χ^2/NDF : 1749116.2/19

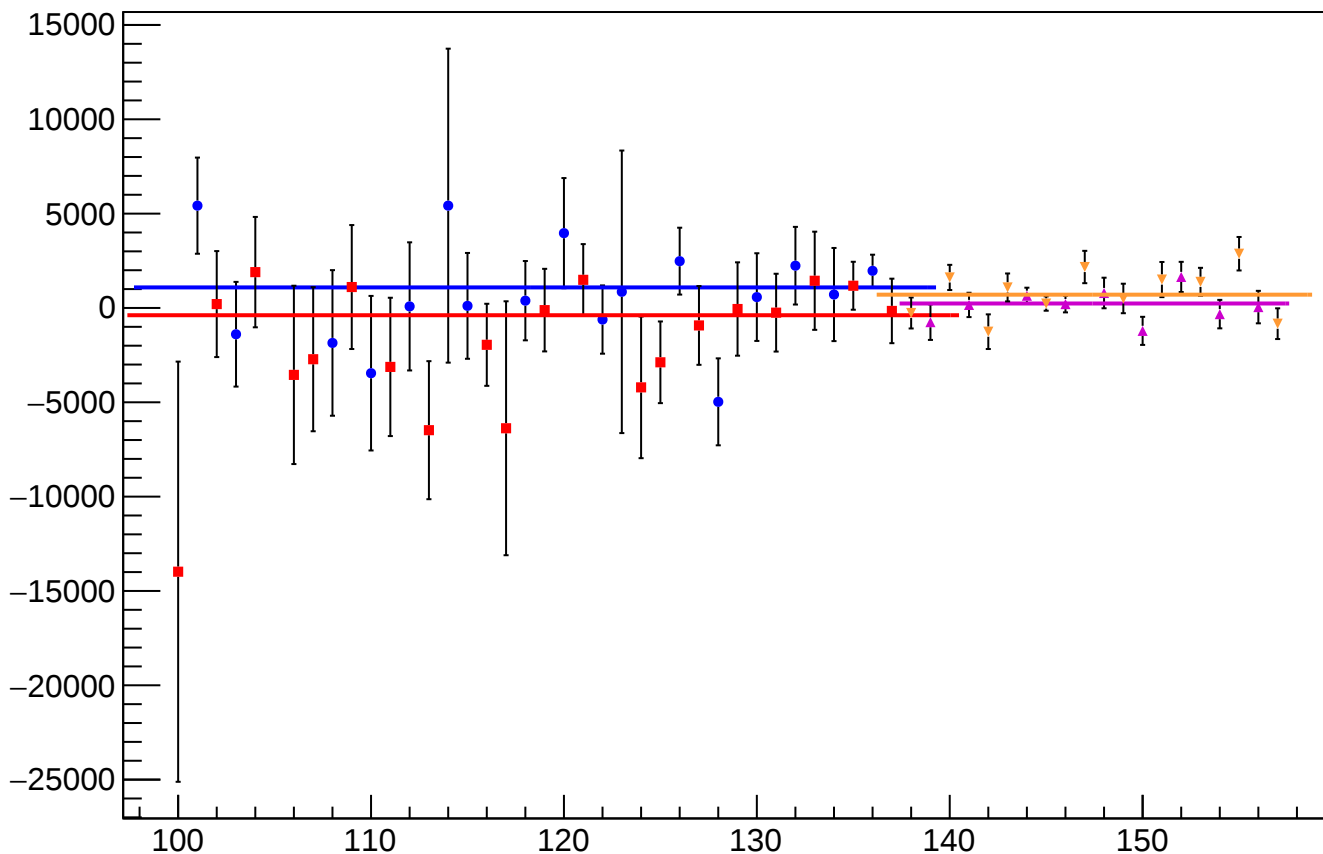
Left In: 537.504 $\pm$ 0.148 χ^2/NDF : 1242253.0/8

657.917 $\pm$ 0.136 χ^2/NDF : 6074186.6/27

650.829 $\pm$ 0.097 χ^2/NDF : 13069748.5/56

643.585 $\pm$ 0.138 χ^2/NDF : 6990106.9/28

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1089.066 $\pm$ 515.272 χ^2/NDF : 16.9/16

Left Out: 704.494 $\pm$ 211.426 χ^2/NDF : 23.7/10

Right Out: -385.391 $\pm$ 546.382 χ^2/NDF : 13.3/19

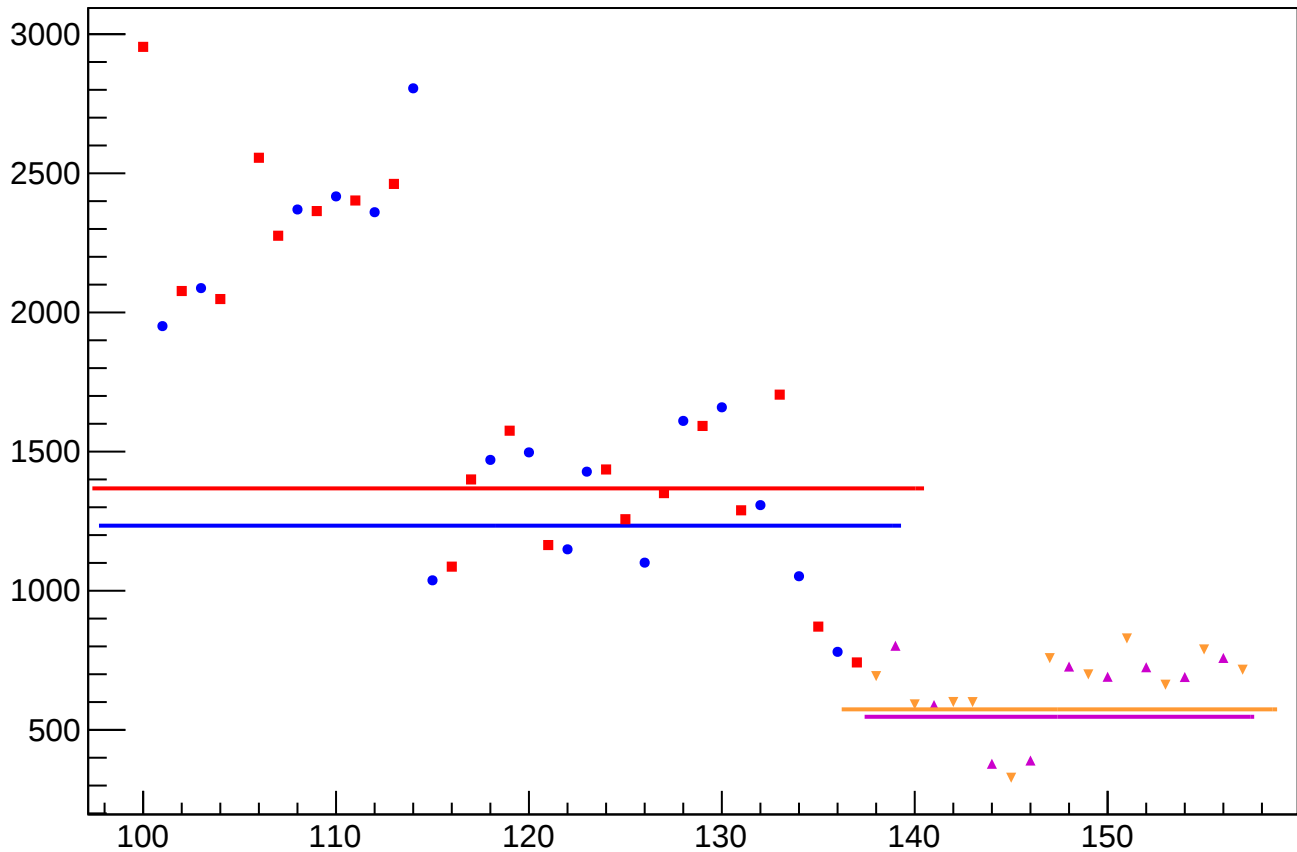
Left In: 236.644 $\pm$ 212.304 χ^2/NDF : 10.0/8

759.911 $\pm$ 195.600 χ^2/NDF : 41.1/27

461.000 $\pm$ 139.113 χ^2/NDF : 70.3/56

155.047 $\pm$ 197.890 χ^2/NDF : 24.4/28

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1233.863+/-0.364 χ^2/NDF : 1744048.5/16

Left Out: 573.806+/-0.150 χ^2/NDF : 1380929.0/10

Right Out: 1367.823+/-0.386 χ^2/NDF : 1744640.3/19

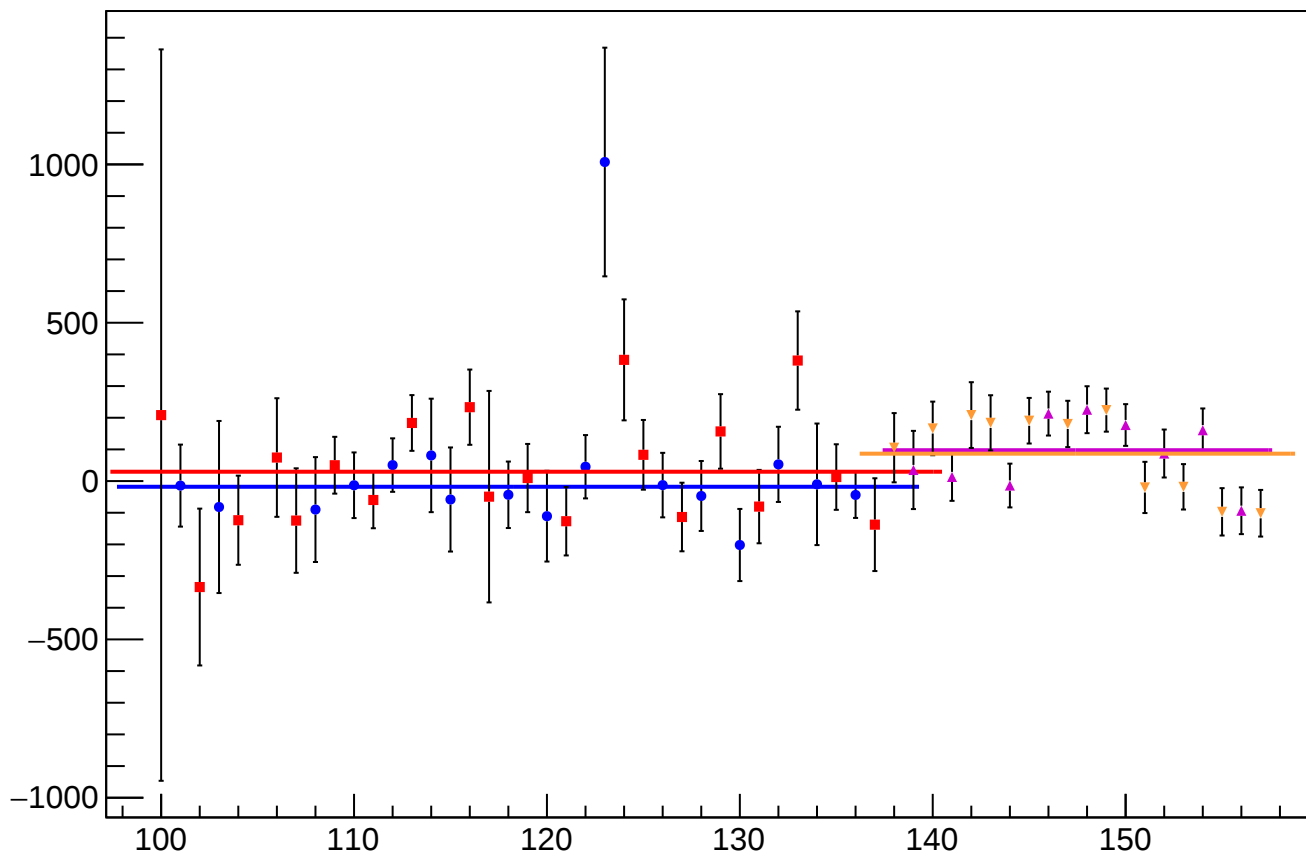
Left In: 547.133+/-0.150 χ^2/NDF : 1189127.9/8

668.921+/-0.138 χ^2/NDF : 5933912.5/27

661.937+/-0.098 χ^2/NDF : 12793214.0/56

654.788+/-0.140 χ^2/NDF : 6854141.8/28

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -17.972 ± 28.848 χ^2/NDF : 13.4/16

Left Out: 86.513 ± 23.876 χ^2/NDF : 27.8/10

Right Out: 29.517 ± 27.879 χ^2/NDF : 27.5/19

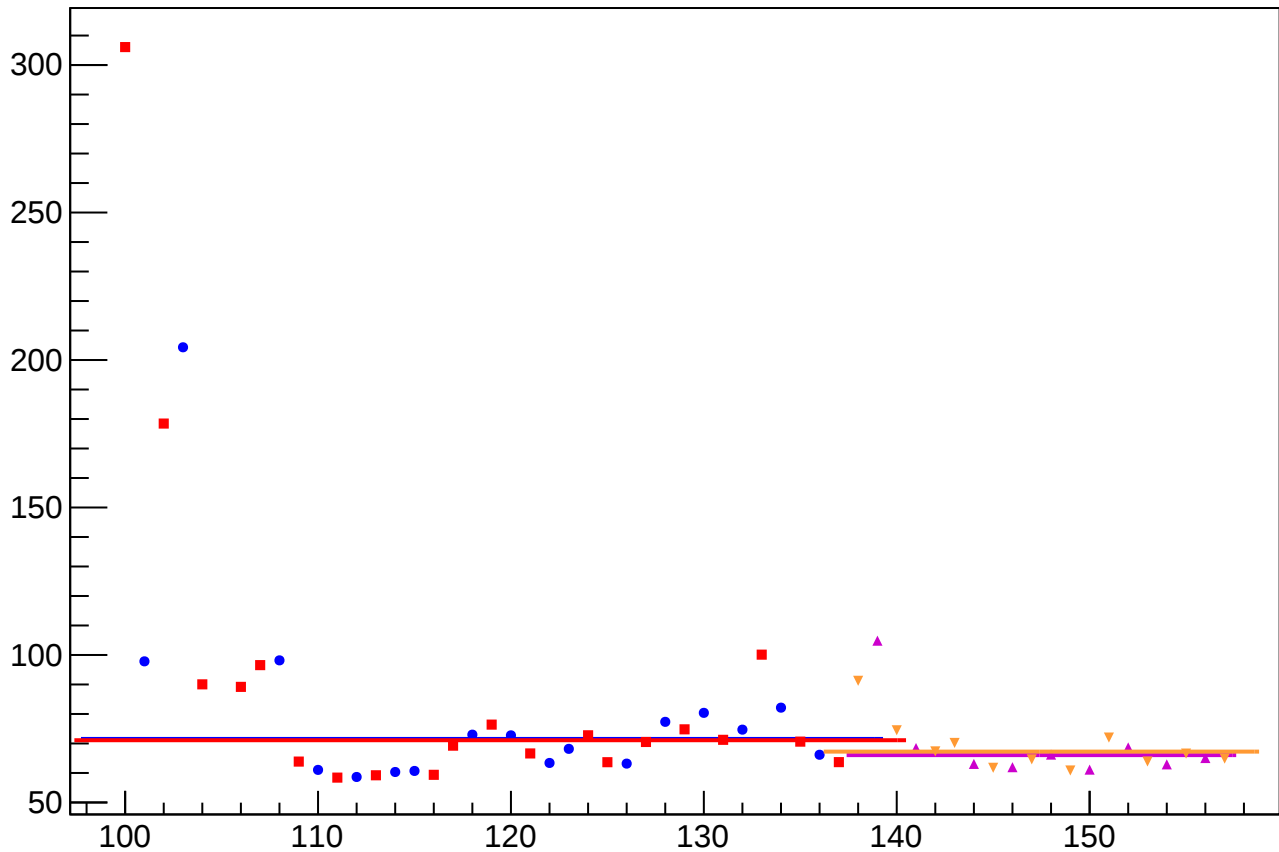
Left In: 97.440 ± 24.681 χ^2/NDF : 18.9/8

44.035 ± 18.394 χ^2/NDF : 49.0/27

55.760 ± 13.037 χ^2/NDF : 99.5/56

67.596 ± 18.480 χ^2/NDF : 49.7/28

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 71.536 $\pm$ 0.020 χ^2 /NDF: 758961.6/16

Left Out: 67.240 $\pm$ 0.017 χ^2 /NDF: 158744.2/10

Right Out: 71.102 $\pm$ 0.020 χ^2 /NDF: 765220.8/19

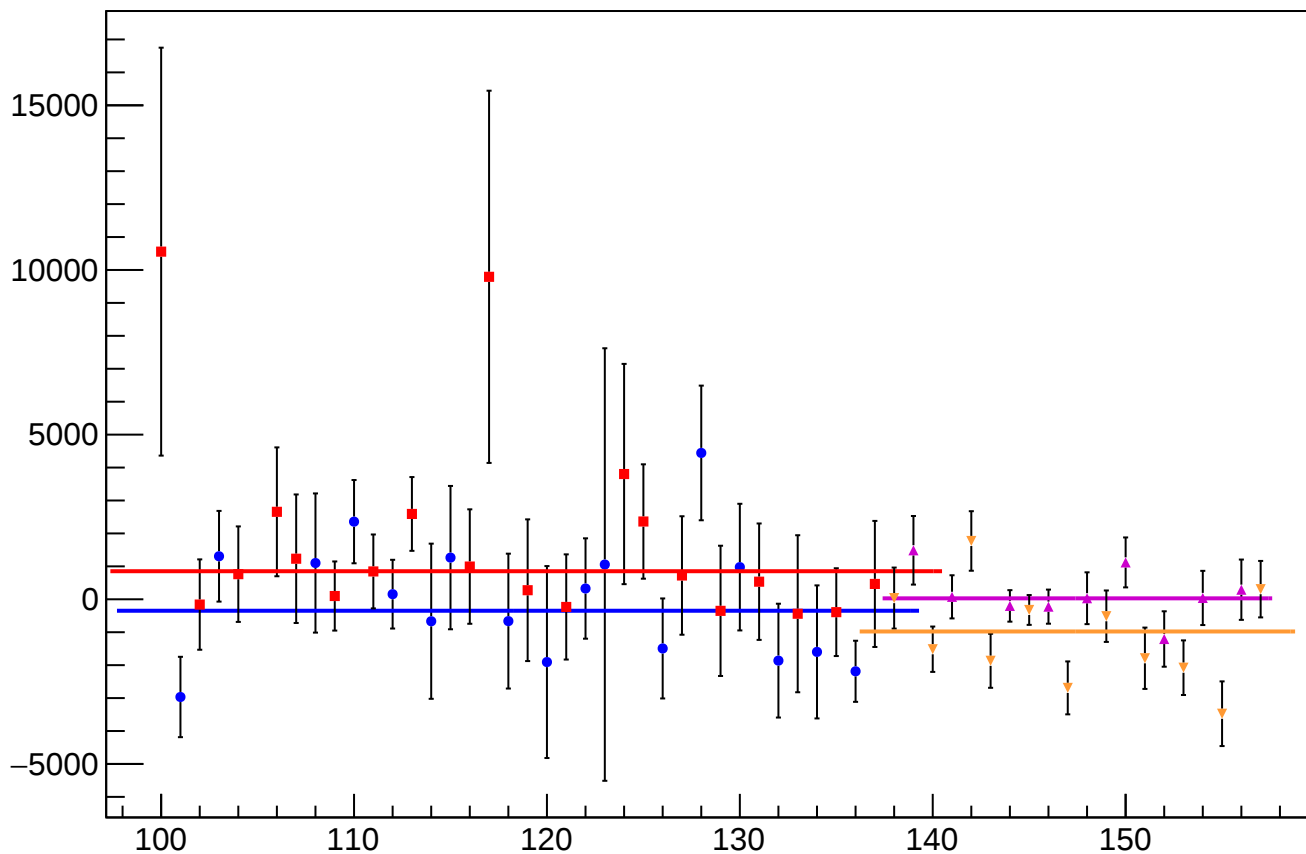
Left In: 66.053 $\pm$ 0.017 χ^2 /NDF: 228205.1/8

68.987 $\pm$ 0.013 χ^2 /NDF: 944024.2/27

68.631 $\pm$ 0.009 χ^2 /NDF: 1975732.2/56

68.271 $\pm$ 0.013 χ^2 /NDF: 1030203.4/28

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: -347.939+/-381.994 χ^2/NDF : 24.1/16

Left Out: -977.341+/-229.115 χ^2/NDF :30.4/10

Right Out: 852.433+/-369.018 χ^2/NDF : 13.0/19

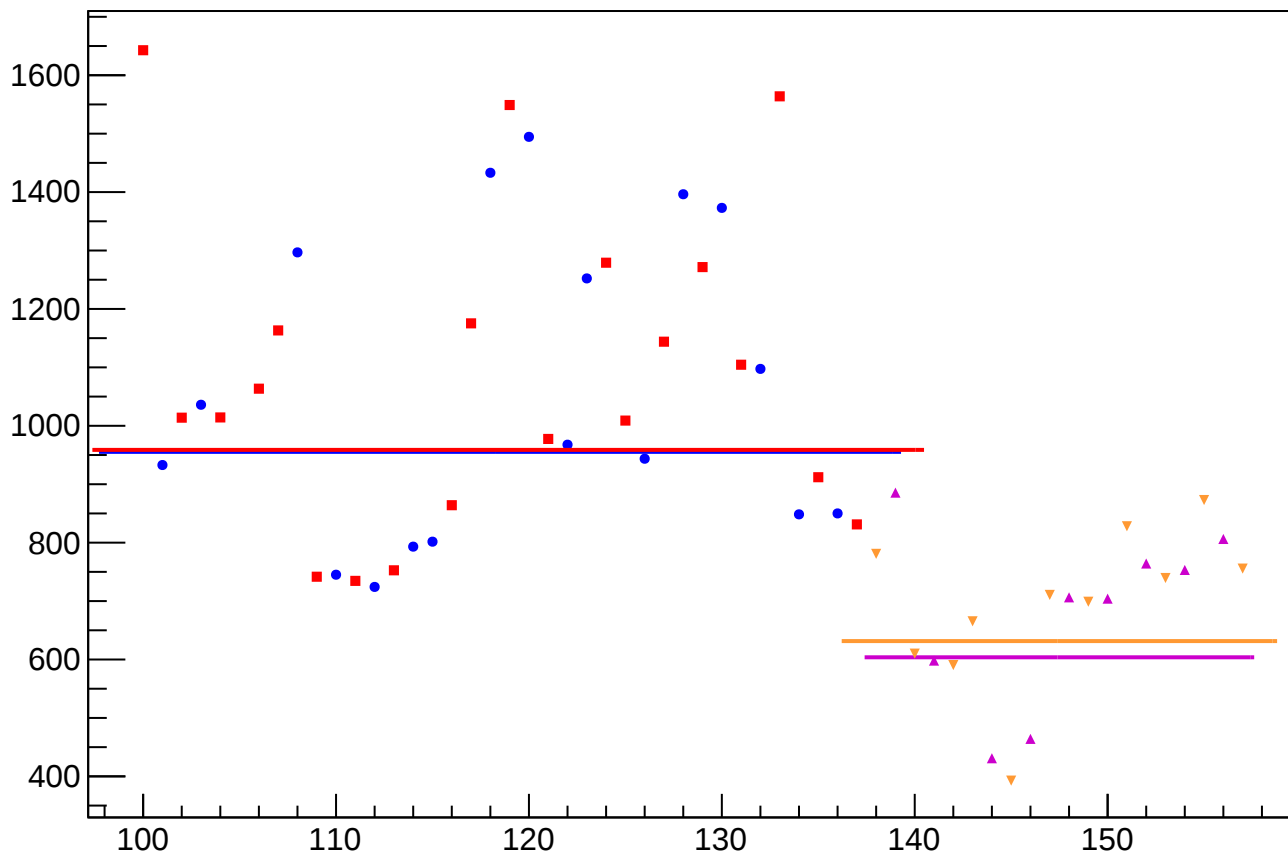
Left In: 28.557+/-230.687 χ^2/NDF :6.7/8

-810.822+/-196.483 χ^2/NDF : 56.5/27

-272.999+/-138.625 χ^2/NDF : 94.8/56

260.056+/-195.610 χ^2/NDF : 23.3/28

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



Right In: 955.425+/-0.270 χ^2/NDF : 646512.4/16

Left Out: 631.538+/-0.162 χ^2/NDF : 937406.2/10

Right Out: 958.776+/-0.261 χ^2/NDF : 696031.2/19

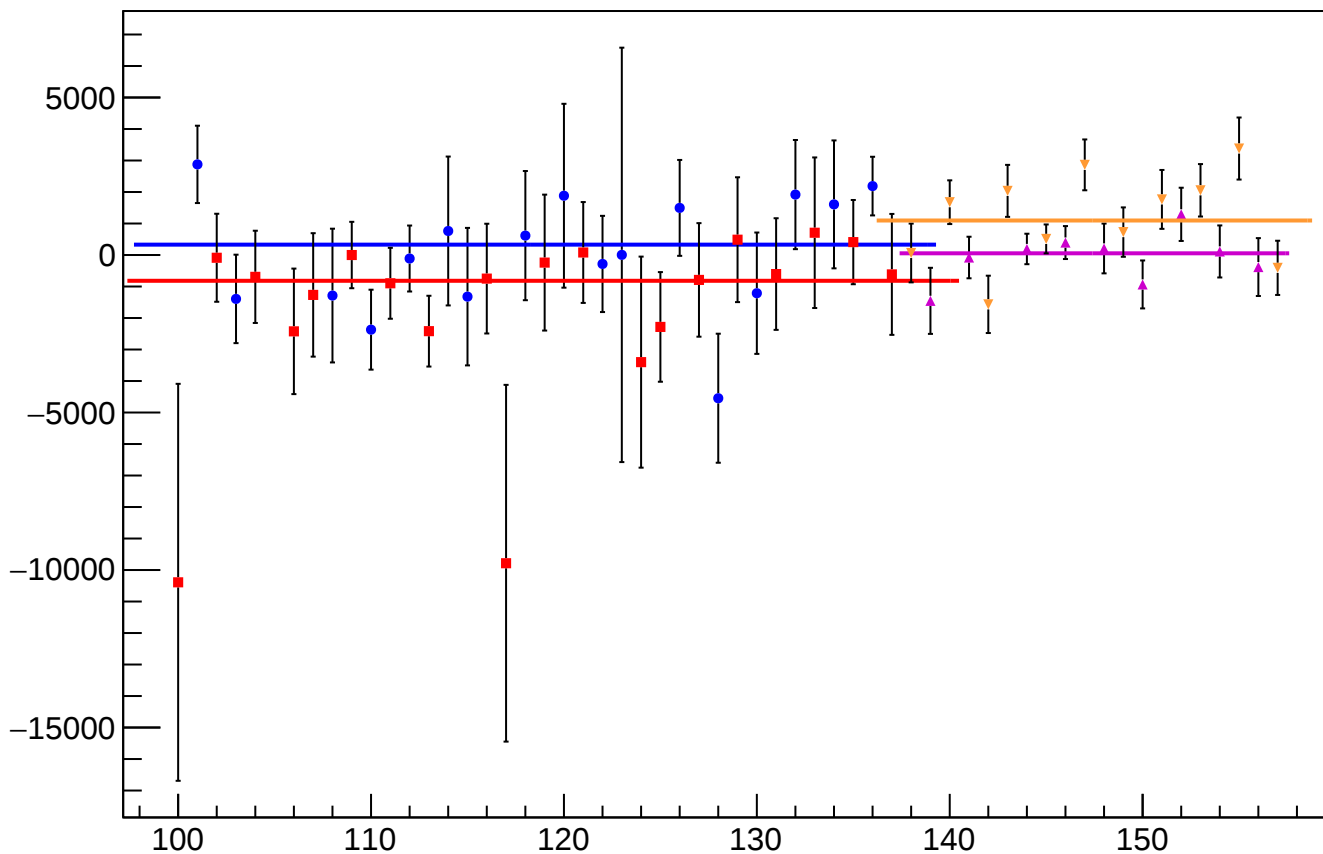
Left In: 603.778+/-0.163 χ^2/NDF : 858764.6/8

717.228+/-0.139 χ^2/NDF : 2641338.6/27

710.348+/-0.098 χ^2/NDF : 5531847.1/56

703.528+/-0.138 χ^2/NDF : 2885625.1/28

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 329.164 $\pm$ 383.728 χ^2 /NDF: 24.3/16

Left Out: 1095.595 $\pm$ 230.749 χ^2 /NDF:28.7/10

Right Out: -818.253 $\pm$ 370.875 χ^2 /NDF: 11.8/19

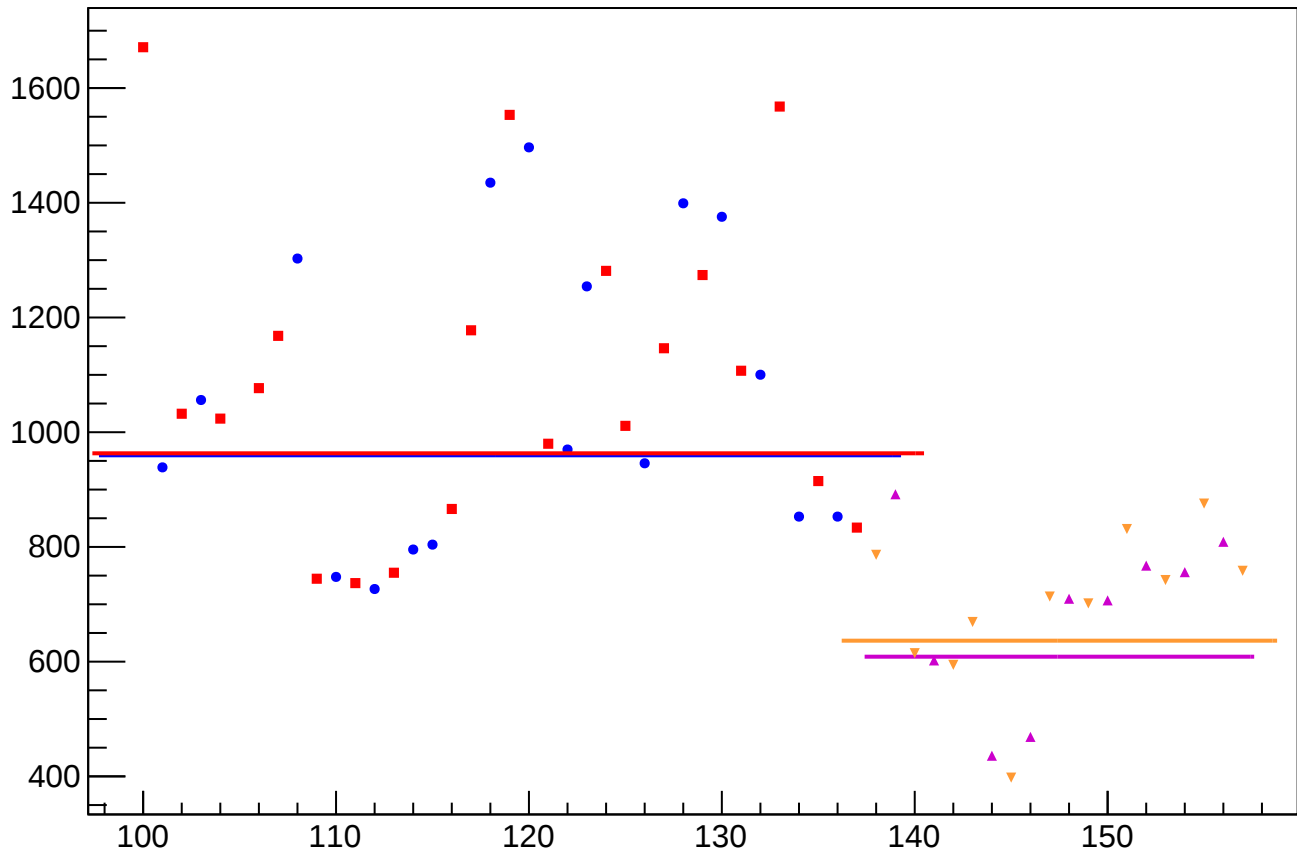
Left In: 54.160 $\pm$ 232.372 χ^2 /NDF:6.7/8

892.053 $\pm$ 197.749 χ^2 /NDF: 55.9/27

347.844 $\pm$ 139.533 χ^2 /NDF: 93.5/56

-191.774 $\pm$ 196.914 χ^2 /NDF: 22.5/28

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 959.770 +/- 0.271 χ^2/NDF : 646727.9/16

Left Out: 636.572 +/- 0.163 χ^2/NDF : 911068.5/10

Right Out: 963.238 +/- 0.262 χ^2/NDF : 698638.3/19

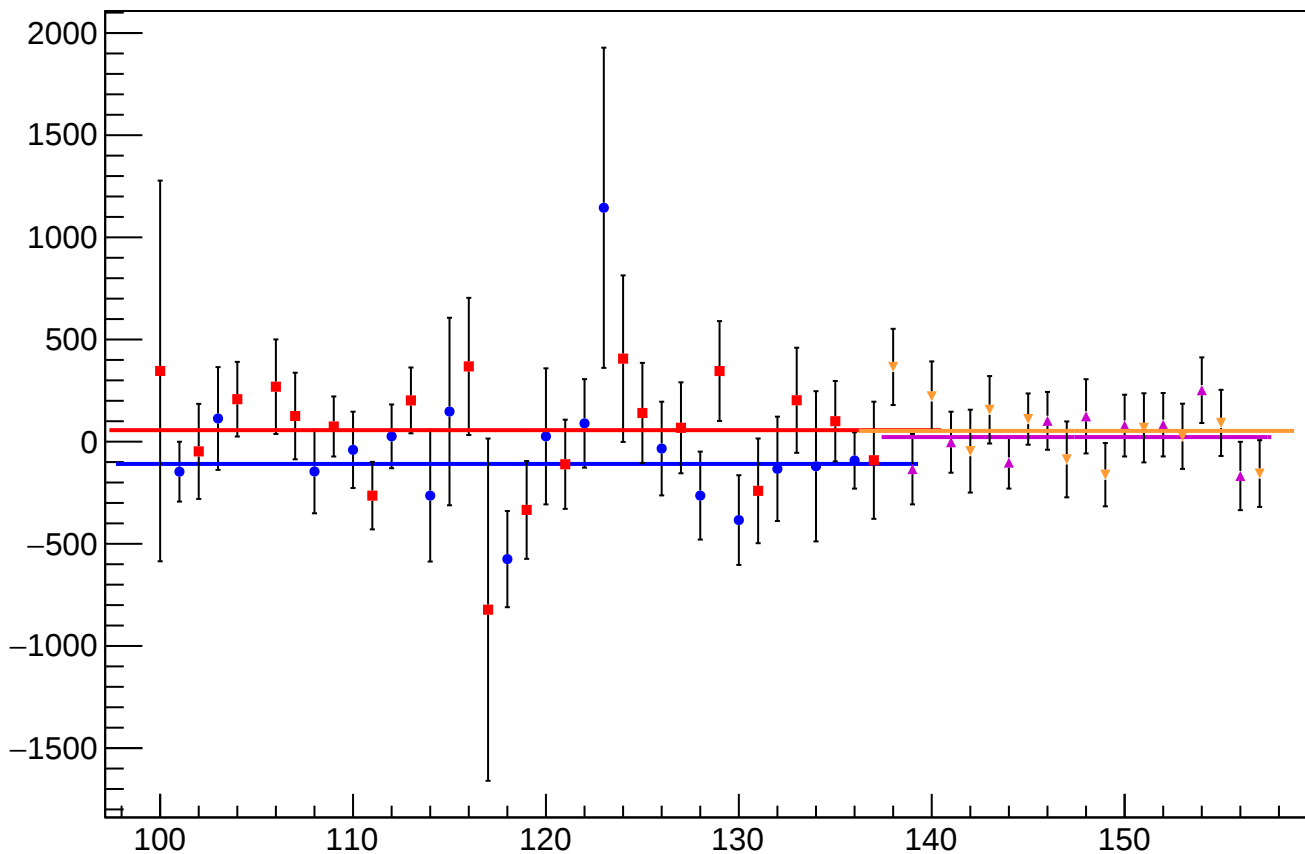
Left In: 608.653 +/- 0.164 χ^2/NDF : 839241.1/8

722.405 +/- 0.140 χ^2/NDF : 2599801.9/27

715.479 +/- 0.099 χ^2/NDF : 5455369.2/56

708.611 +/- 0.139 χ^2/NDF : 2850681.2/28

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -108.977 ± 52.923 χ^2/NDF : 12.0/16

Left Out: 52.637 ± 49.511 χ^2/NDF : 8.8/10

Right Out: 56.241 ± 50.729 χ^2/NDF : 16.0/19

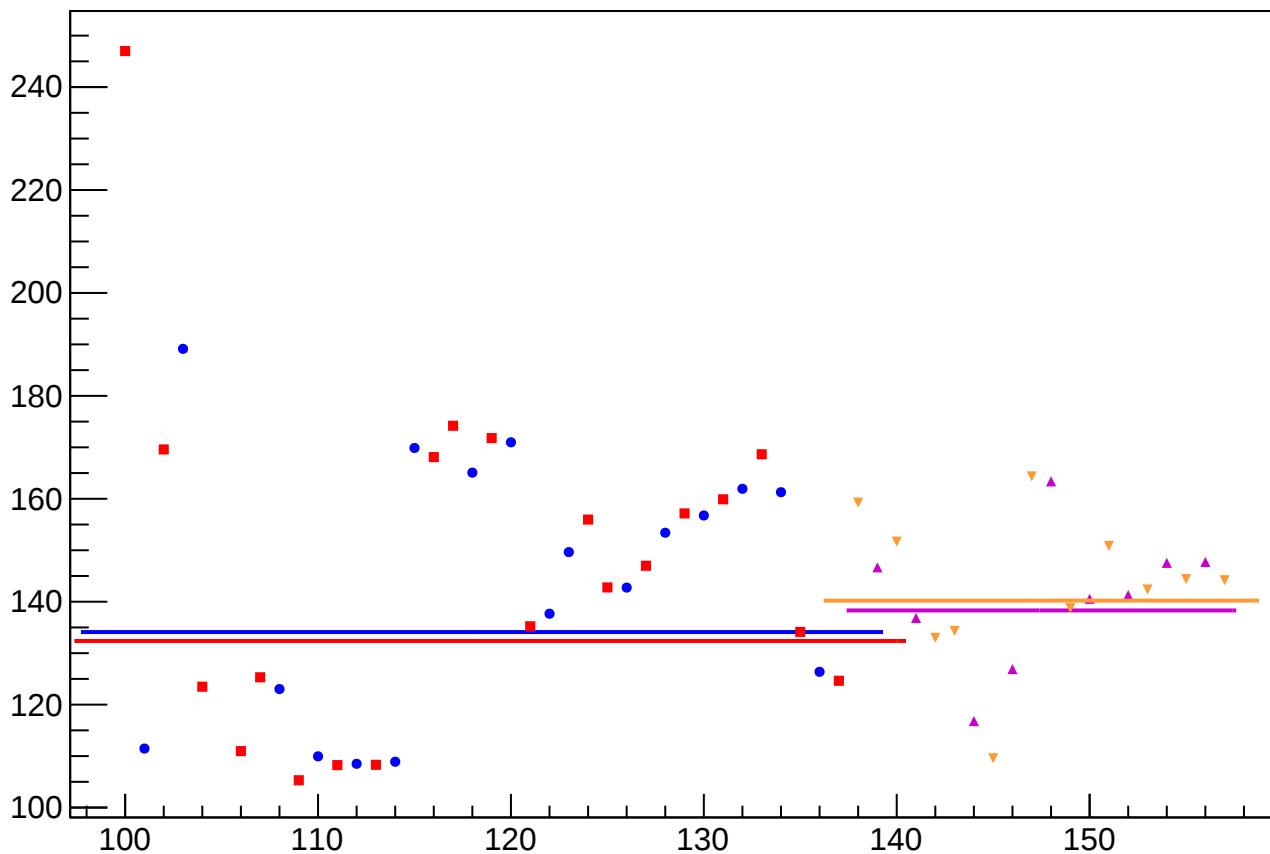
Left In: 22.434 ± 51.294 χ^2/NDF : 6.1/8

-22.794 ± 36.156 χ^2/NDF : 25.8/27

8.440 ± 25.535 χ^2/NDF : 49.6/56

39.525 ± 36.069 χ^2/NDF : 22.3/28

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.103 $\pm$ 0.037 χ^2 /NDF: 402581.2/16

Left Out: 140.217 $\pm$ 0.035 χ^2 /NDF: 198875.5/10

Right Out: 132.373 $\pm$ 0.036 χ^2 /NDF: 446741.9/19

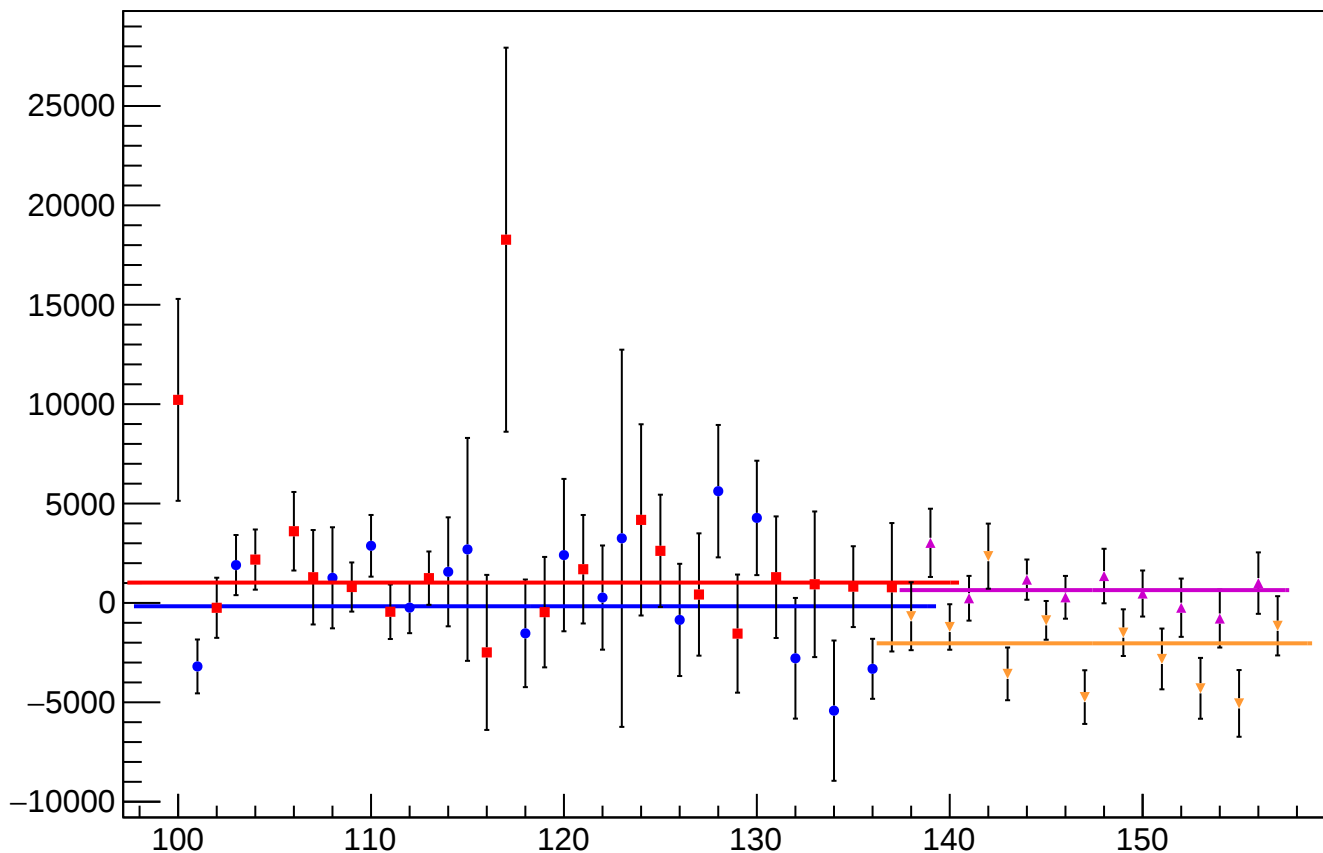
Left In: 138.306 $\pm$ 0.036 χ^2 /NDF: 127089.1/8

137.363 $\pm$ 0.026 χ^2 /NDF: 615689.5/27

136.332 $\pm$ 0.018 χ^2 /NDF: 1206291.9/56

135.306 $\pm$ 0.026 χ^2 /NDF: 587357.3/28

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



Right In: -168.237 ± 523.672 $\chi^2/\text{NDF}: 25.3/16$

Left Out: -2032.293 ± 407.113 $\chi^2/\text{NDF}: 21.3/10$

Right Out: 1023.271 ± 480.373 $\chi^2/\text{NDF}: 13.4/19$

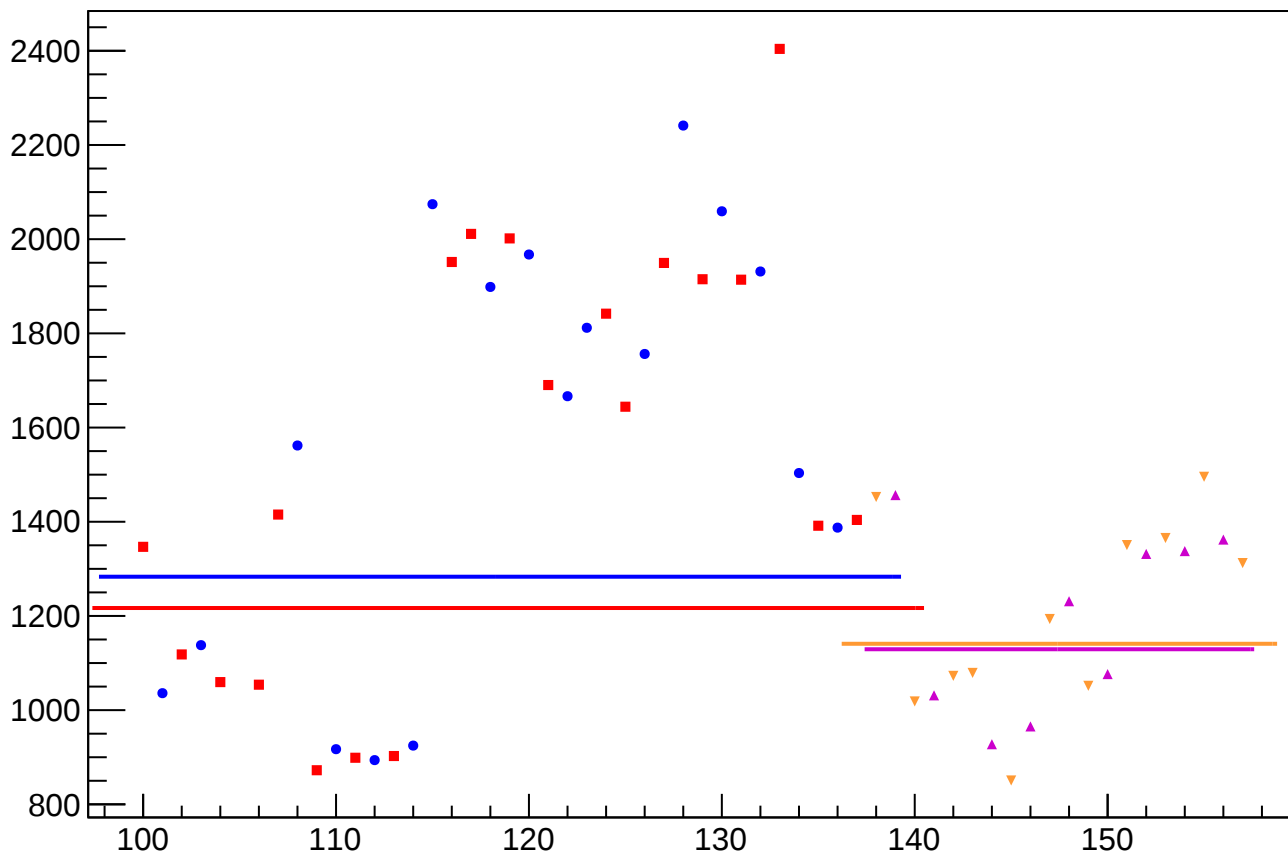
Left In: 644.406 ± 422.587 $\chi^2/\text{NDF}: 4.1/8$

-1330.091 ± 321.411 $\chi^2/\text{NDF}: 54.6/27$

-246.387 ± 225.800 $\chi^2/\text{NDF}: 94.8/56$

809.691 ± 317.288 $\chi^2/\text{NDF}: 17.8/28$

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



Right In: 1283.318 $\pm$ 0.370 χ^2 /NDF: 1169431.5/16

Left Out: 1140.905 $\pm$ 0.288 χ^2 /NDF: 485553.6/10

Right Out: 1216.852 $\pm$ 0.340 χ^2 /NDF: 1374416.0/19

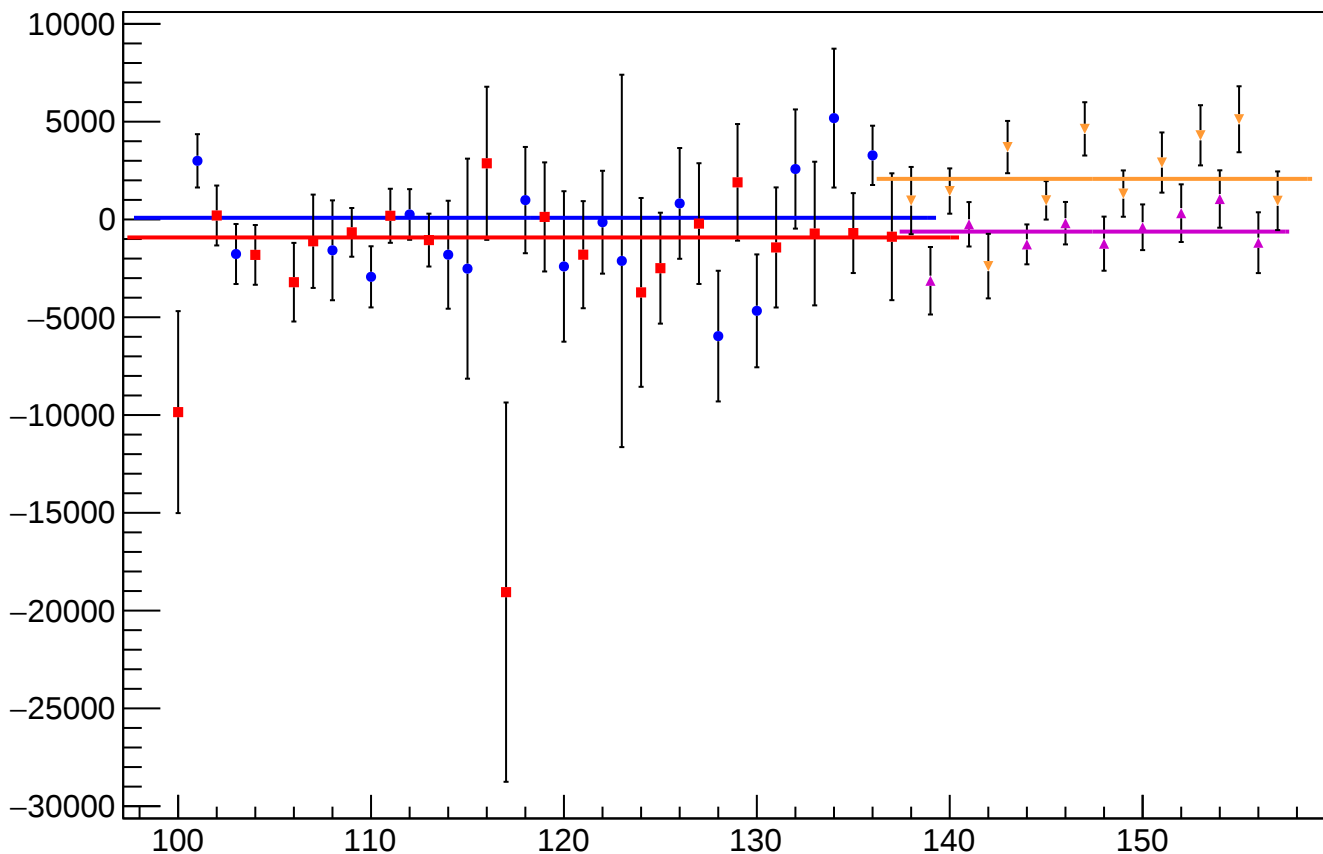
Left In: 1129.282 $\pm$ 0.299 χ^2 /NDF: 353190.4/8

1194.553 $\pm$ 0.227 χ^2 /NDF: 1747178.7/27

1180.845 $\pm$ 0.160 χ^2 /NDF: 3519435.8/56

1167.486 $\pm$ 0.224 χ^2 /NDF: 1765073.6/28

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 85.077 ± 527.082 χ^2/NDF : 24.7/16

Left Out: 2075.784 ± 410.359 χ^2/NDF : 20.9/10

Right Out: -919.892 ± 484.043 χ^2/NDF : 12.2/19

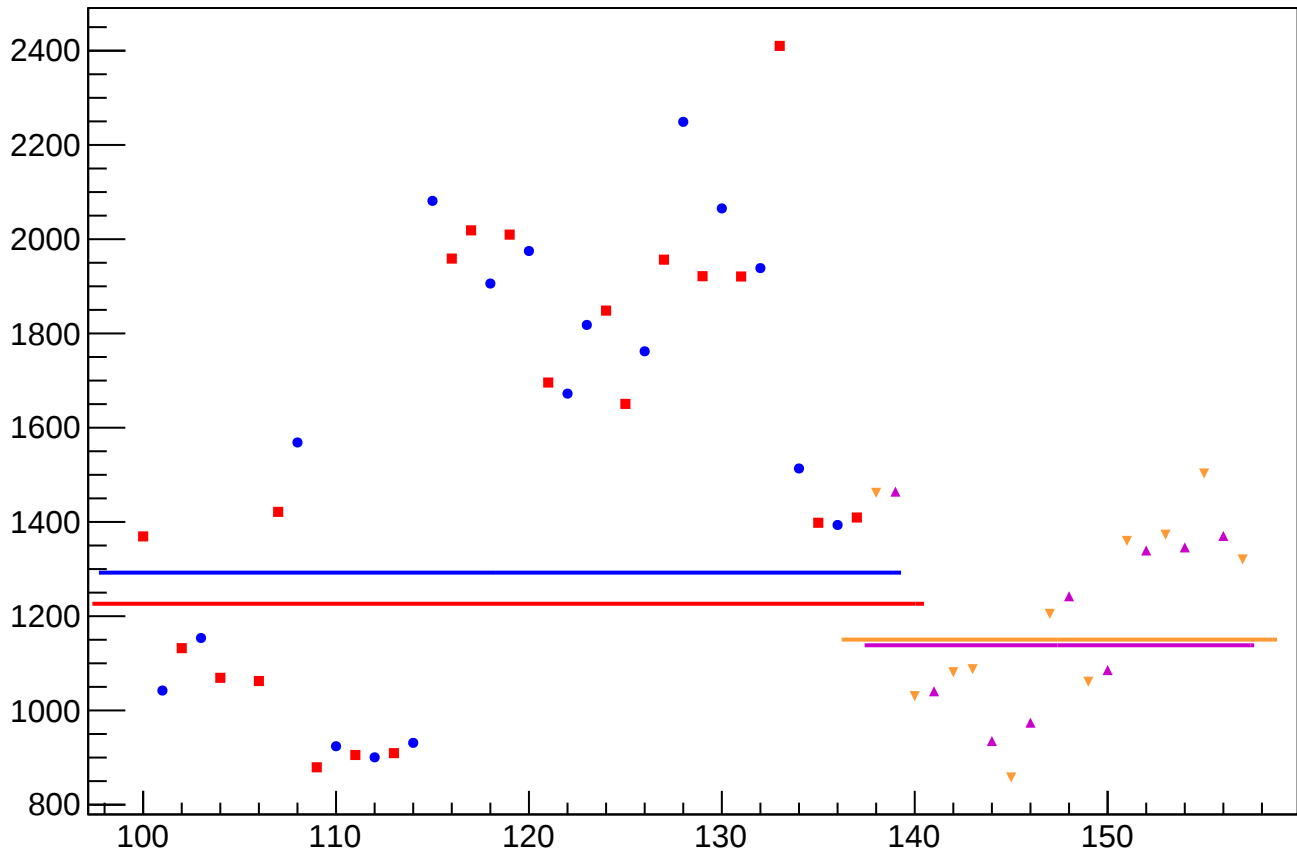
Left In: -621.296 ± 425.868 χ^2/NDF : 4.9/8

1324.516 ± 323.797 χ^2/NDF : 54.5/27

273.362 ± 227.509 χ^2/NDF : 92.5/56

-751.581 ± 319.734 χ^2/NDF : 17.3/28

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1292.426 $\pm$ 0.373 χ^2 /NDF: 1156576.0/16

Left Out: 1150.311 $\pm$ 0.290 χ^2 /NDF: 478877.0/10

Right Out: 1226.408 $\pm$ 0.342 χ^2 /NDF: 1359134.9/19

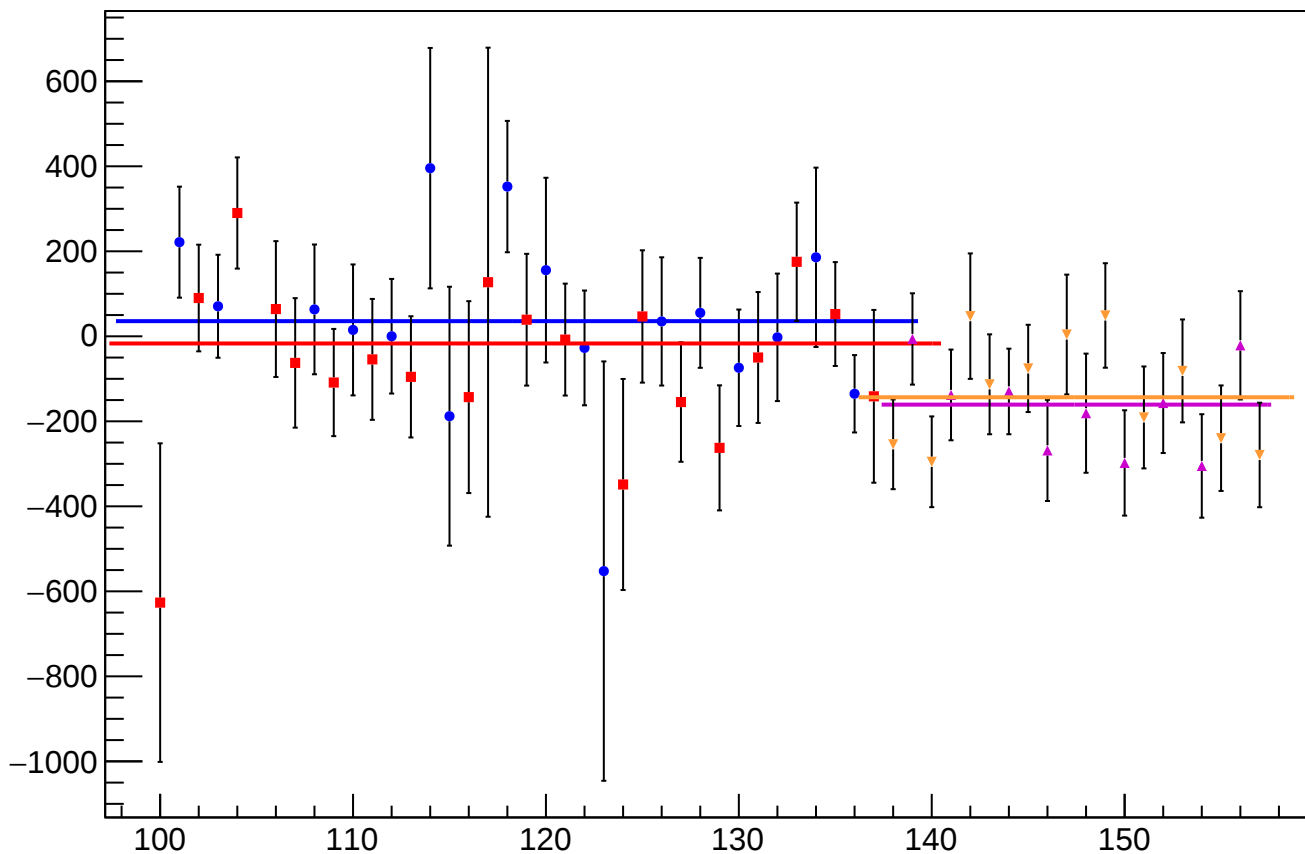
Left In: 1138.293 $\pm$ 0.301 χ^2 /NDF: 348471.7/8

1203.944 $\pm$ 0.229 χ^2 /NDF: 1725977.4/27

1190.170 $\pm$ 0.161 χ^2 /NDF: 3478090.0/56

1176.740 $\pm$ 0.226 χ^2 /NDF: 1744965.1/28

reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 35.679+/-36.350 χ^2/NDF : 15.3/16

Left Out: -143.382+/-35.897 χ^2/NDF : 11.1/10

Right Out: -16.849+/-34.623 χ^2/NDF : 19.0/19

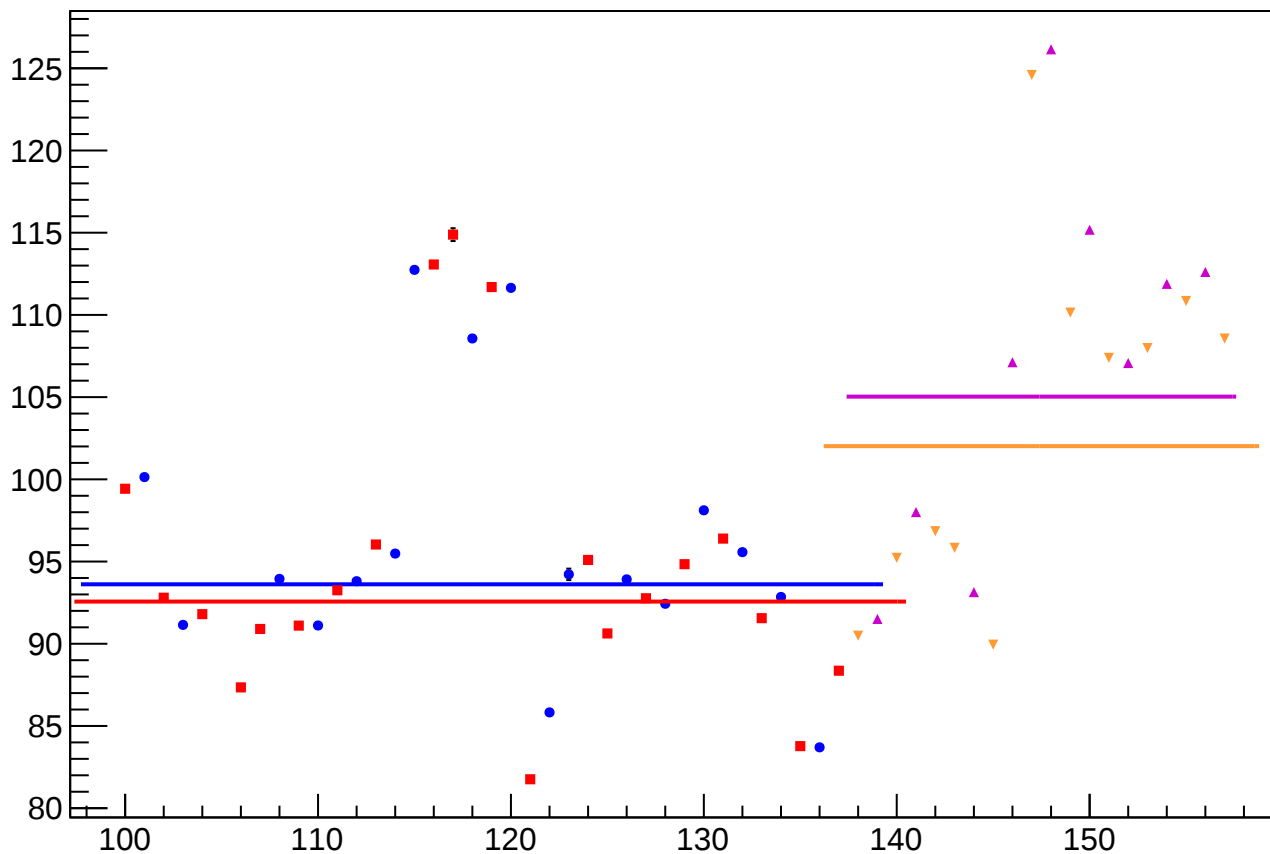
Left In: -160.723+/-38.892 χ^2/NDF : 6.9/8

-54.976+/-25.542 χ^2/NDF : 38.7/27

-67.560+/-18.172 χ^2/NDF : 72.7/56

-80.459+/-25.860 χ^2/NDF : 33.5/28

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 93.616 $\pm$ 0.026 χ^2 /NDF: 79928.5/16

Left Out: 102.019 $\pm$ 0.025 χ^2 /NDF: 152332.2/10

Right Out: 92.565 $\pm$ 0.024 χ^2 /NDF: 81875.5/19

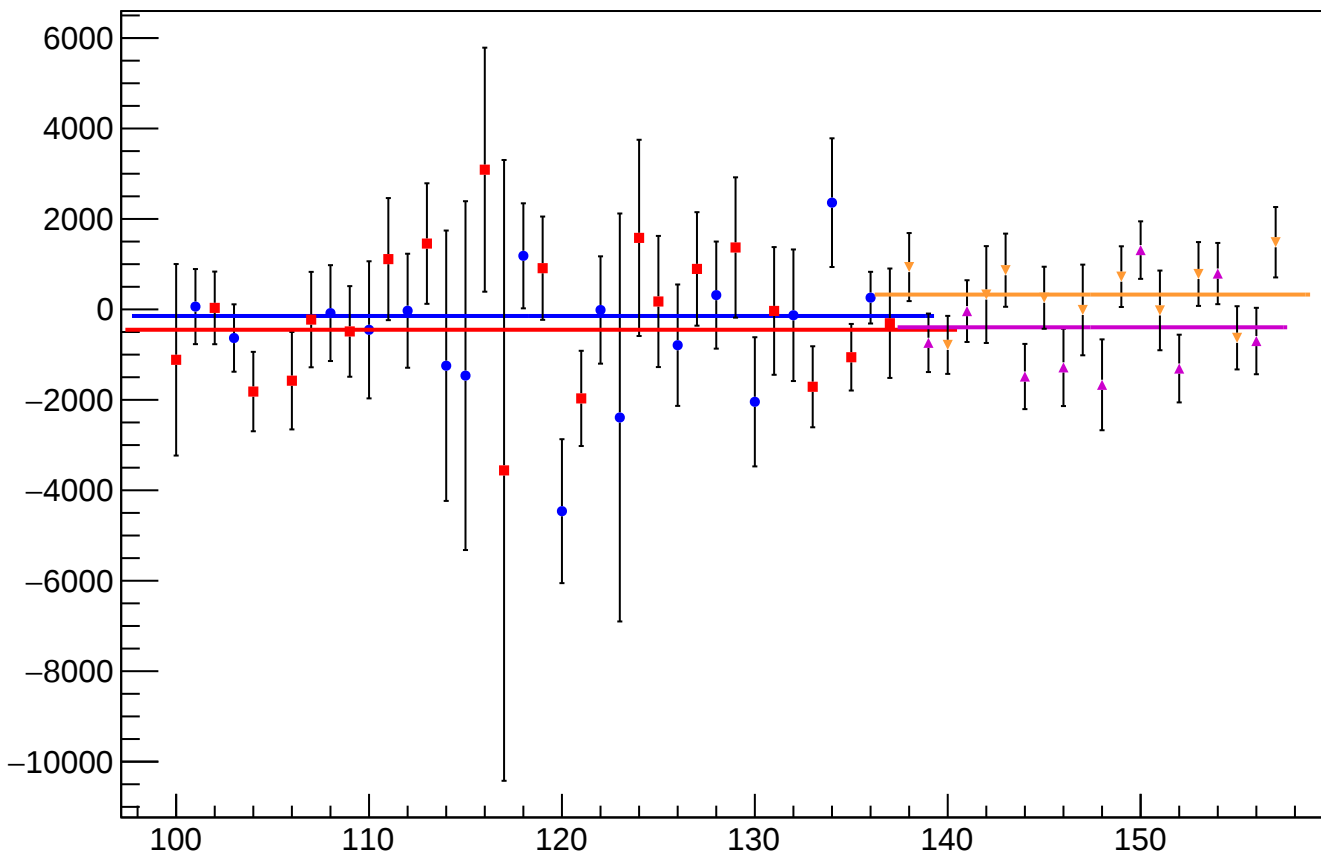
Left In: 105.031 $\pm$ 0.028 χ^2 /NDF: 141743.2/8

97.870 $\pm$ 0.018 χ^2 /NDF: 286364.9/27

97.972 $\pm$ 0.013 χ^2 /NDF: 624673.6/56

98.077 $\pm$ 0.018 χ^2 /NDF: 338244.0/28

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



Right In: -145.464+/-276.629 χ^2/NDF : 15.5/16

Left Out: 327.910+/-229.836 χ^2/NDF : 9.2/10

Right Out: -450.047+/-260.089 χ^2/NDF : 19.2/19

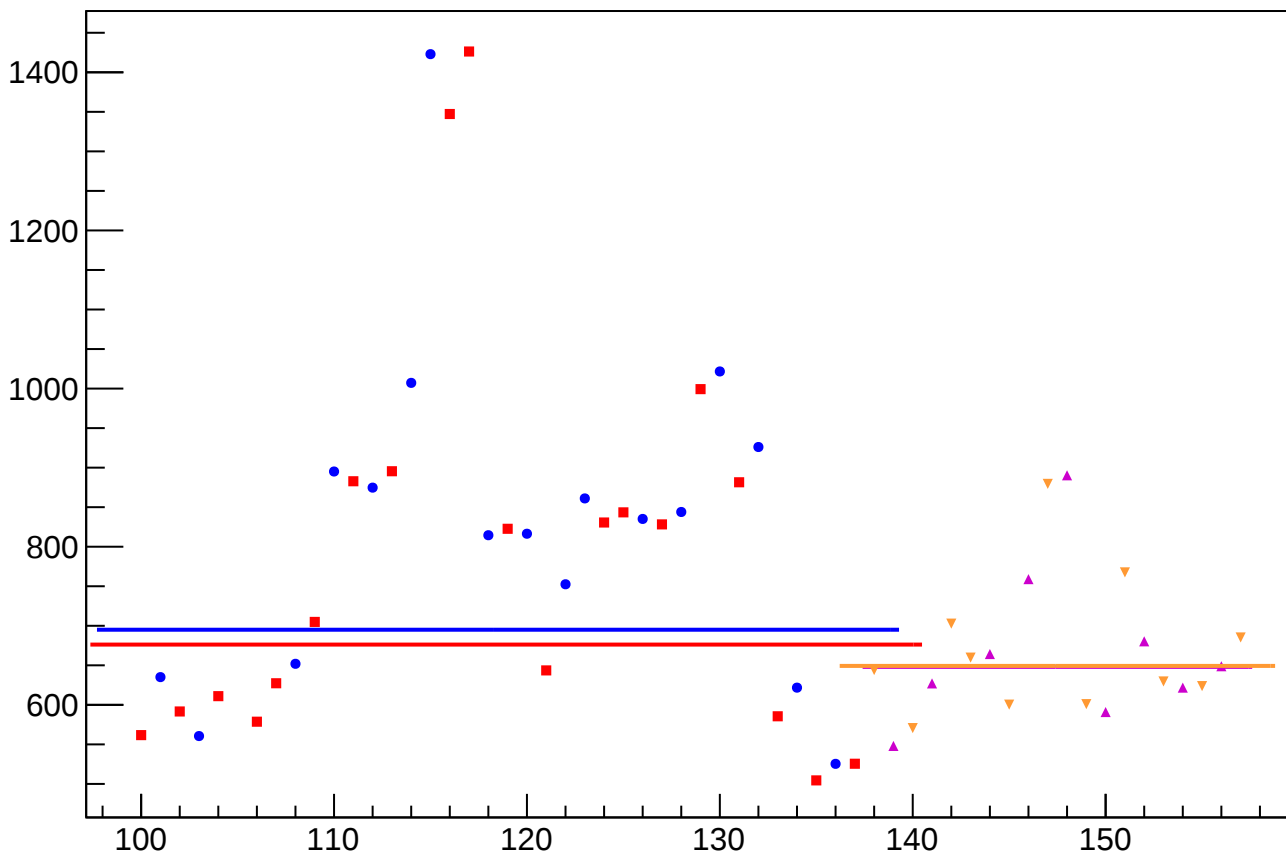
Left In: -395.487+/-241.764 χ^2/NDF : 17.4/8

134.589+/-176.781 χ^2/NDF : 26.4/27

-142.629+/-125.108 χ^2/NDF : 68.0/56

-420.778+/-177.077 χ^2/NDF : 36.7/28

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



Right In: 695.014 $\pm$ 0.196 χ^2 /NDF: 677713.0/16

Left Out: 649.258 $\pm$ 0.163 χ^2 /NDF:206065.3/10

Right Out: 676.229 $\pm$ 0.184 χ^2 /NDF: 700313.6/19

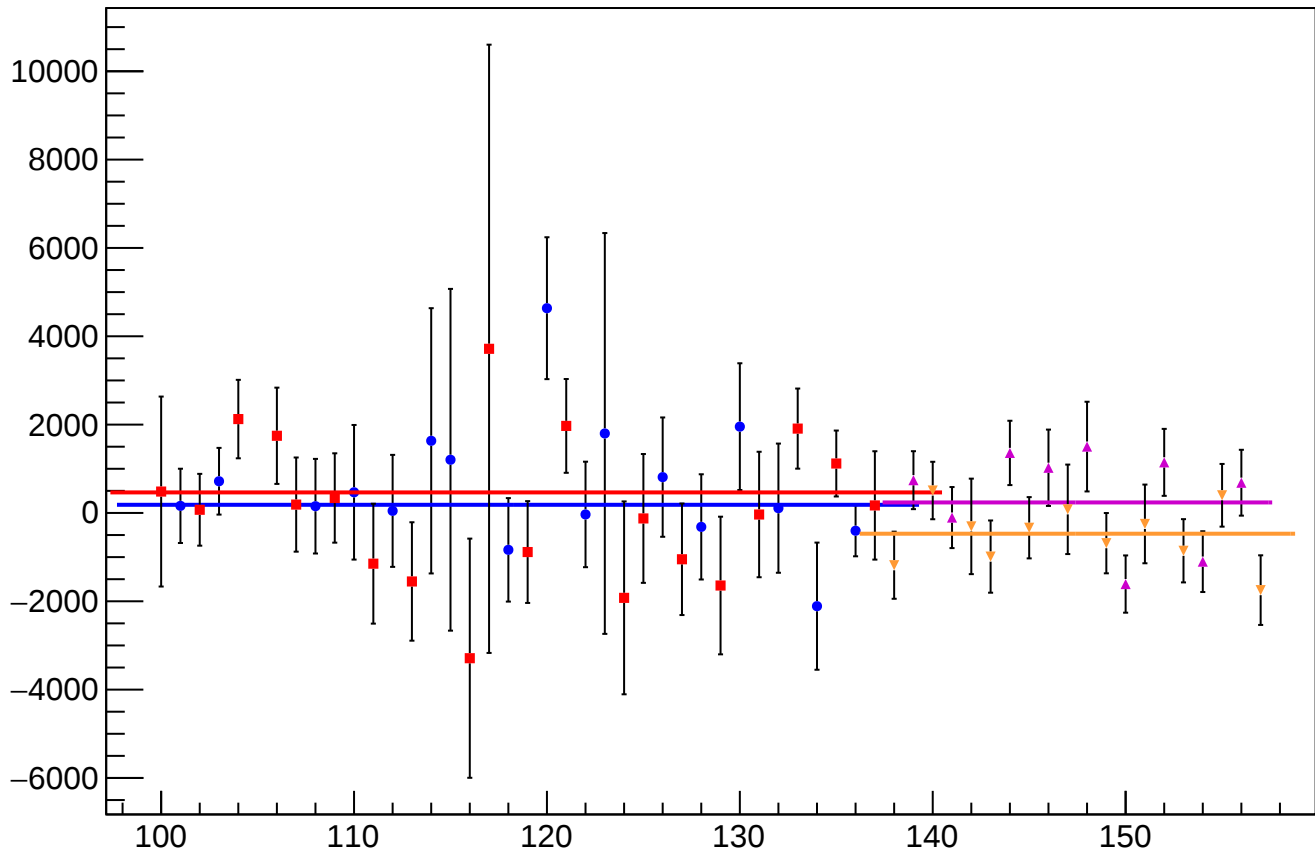
Left In: 648.023 $\pm$ 0.171 χ^2 /NDF:223528.7/8

667.944 $\pm$ 0.125 χ^2 /NDF: 916149.5/27

664.527 $\pm$ 0.088 χ^2 /NDF: 1854108.7/56

661.097 $\pm$ 0.125 χ^2 /NDF: 936461.7/28

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 184.518 ± 279.390 χ^2/NDF : 14.9/16

Left Out: -470.158 ± 232.810 χ^2/NDF : 8.5/10

Right Out: 464.916 ± 262.768 χ^2/NDF : 22.5/19

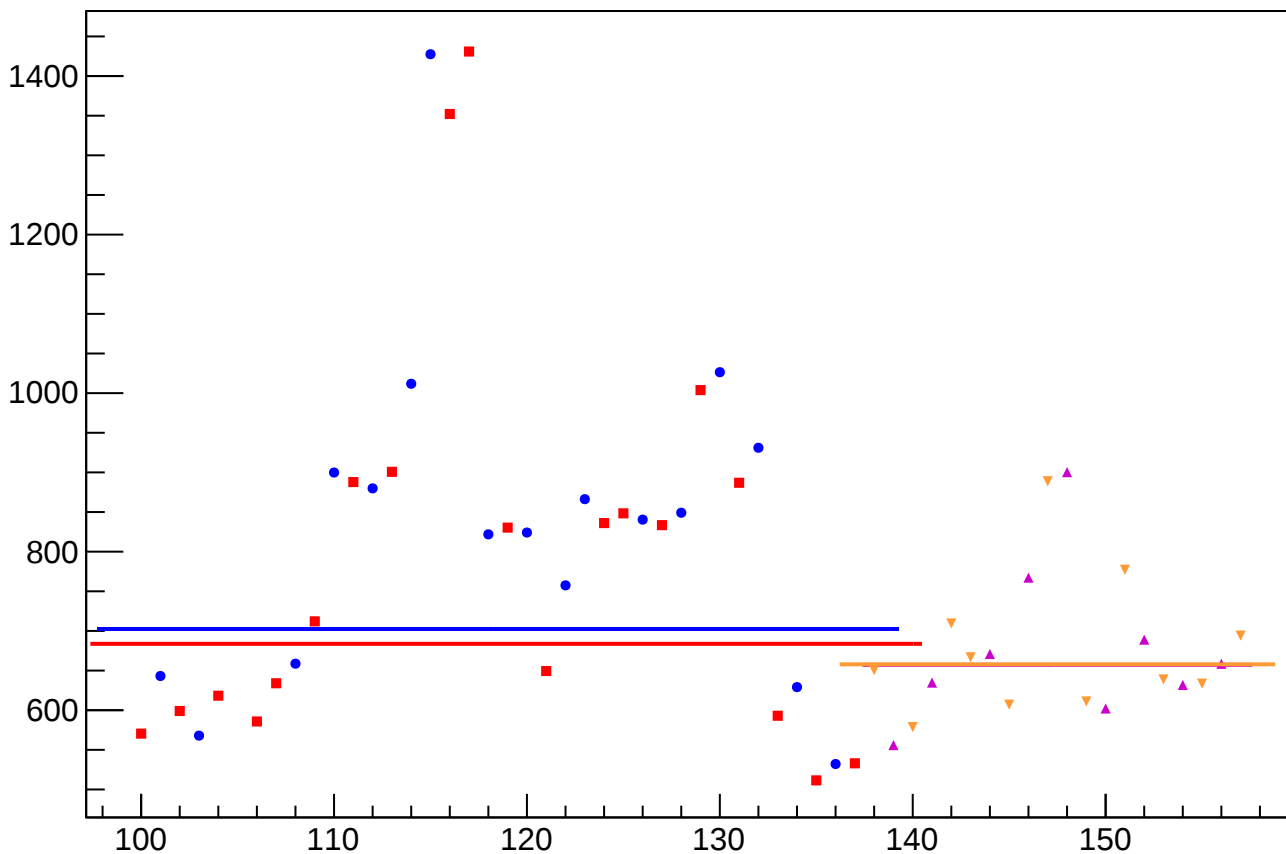
Left In: 237.843 ± 245.102 χ^2/NDF : 19.3/8

-201.868 ± 178.855 χ^2/NDF : 26.7/27

70.234 ± 126.603 χ^2/NDF : 73.5/56

343.490 ± 179.234 χ^2/NDF : 42.2/28

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 702.469 +/- 0.198 χ^2/NDF : 660525.4/16

Left Out: 657.862 +/- 0.165 χ^2/NDF : 202557.9/10

Right Out: 683.751 +/- 0.186 χ^2/NDF : 683105.3/19

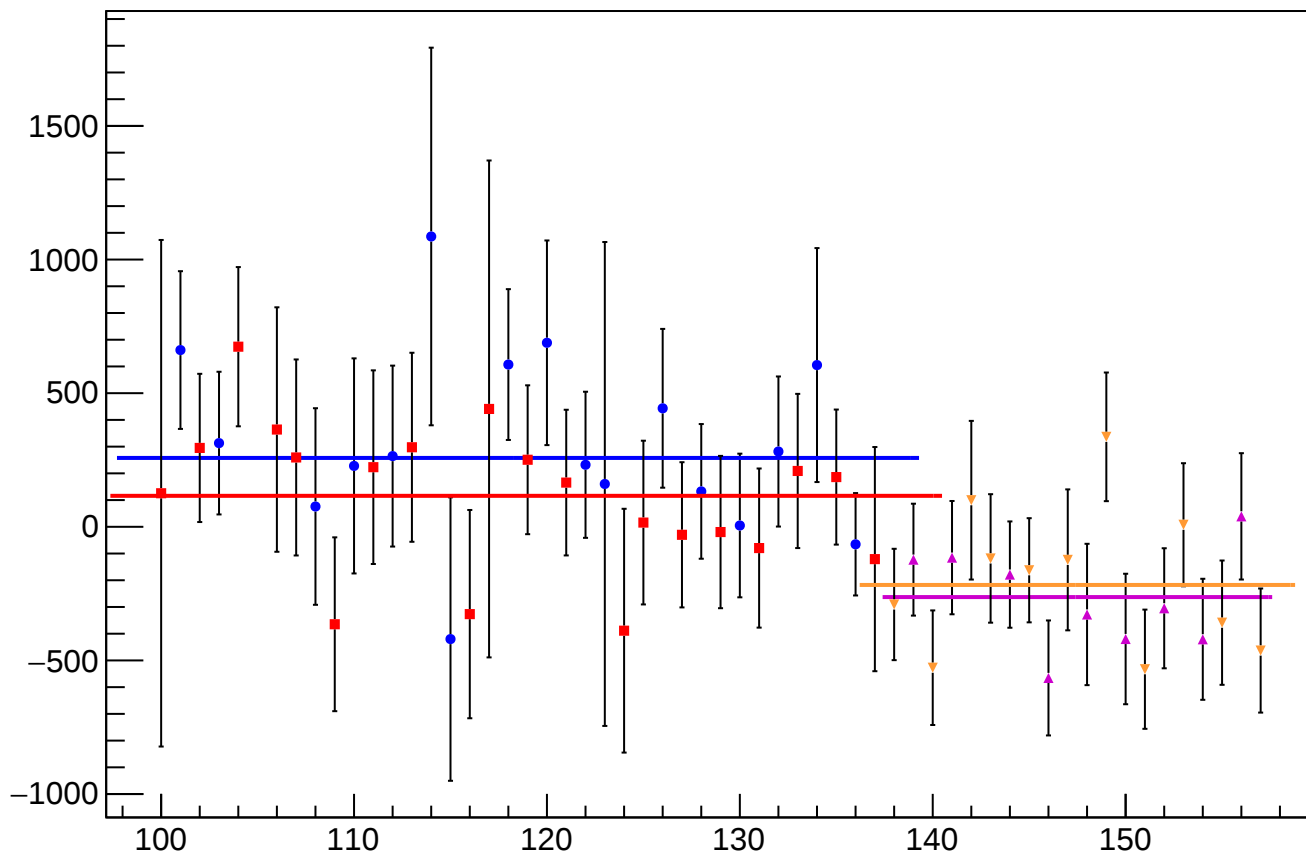
Left In: 657.208 +/- 0.173 χ^2/NDF : 218162.8/8

676.142 +/- 0.126 χ^2/NDF : 893172.9/27

672.857 +/- 0.090 χ^2/NDF : 1806706.5/56

669.557 +/- 0.127 χ^2/NDF : 912181.2/28

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 257.721 ± 75.931 $\chi^2/\text{NDF}: 13.0/16$

Left Out: -217.571 ± 69.431 $\chi^2/\text{NDF}: 13.5/10$

Right Out: 115.922 ± 73.976 $\chi^2/\text{NDF}: 11.4/19$

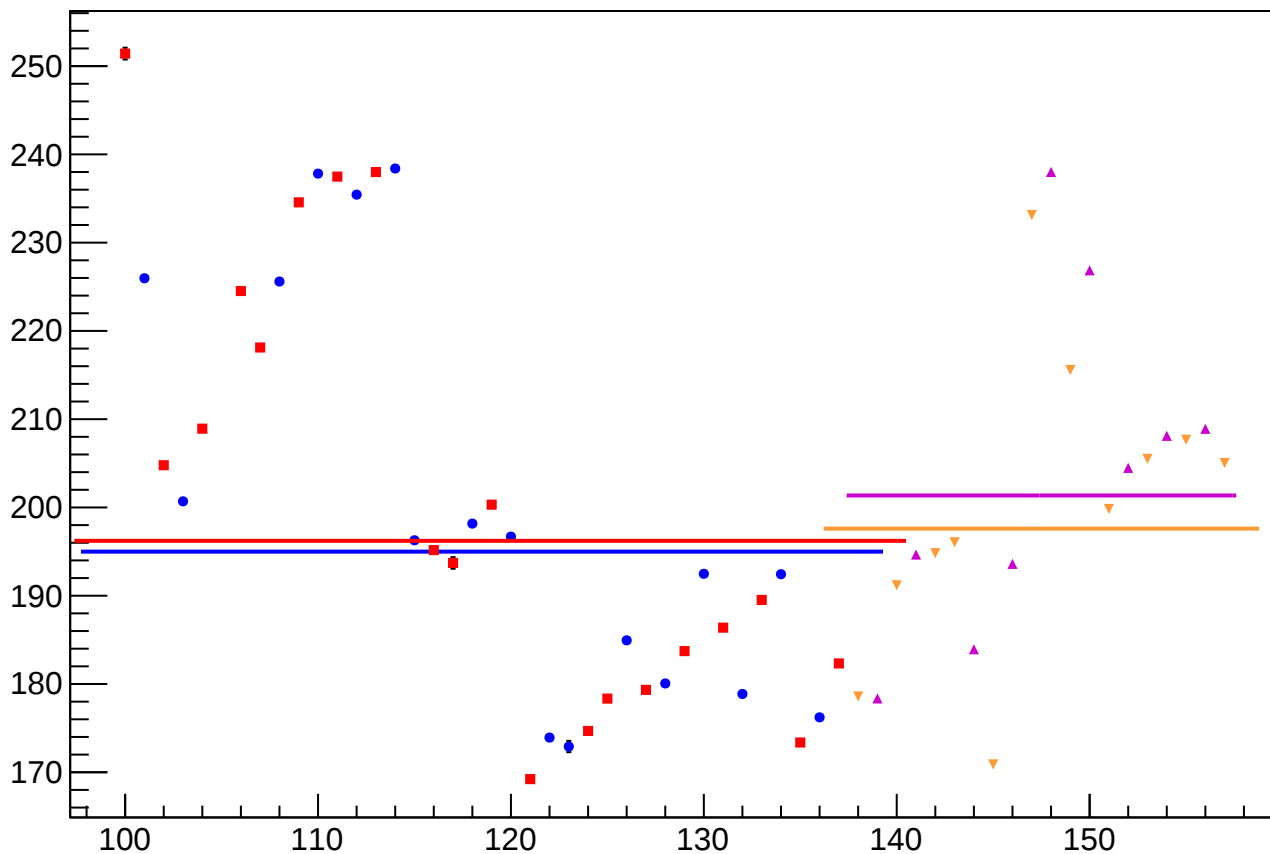
Left In: -262.947 ± 74.479 $\chi^2/\text{NDF}: 5.7/8$

-1.138 ± 51.239 $\chi^2/\text{NDF}: 47.8/27$

-35.829 ± 36.664 $\chi^2/\text{NDF}: 78.9/56$

-72.228 ± 52.486 $\chi^2/\text{NDF}: 30.1/28$

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 194.994 ± 0.054 $\chi^2/\text{NDF}: 144271.1/16$

Left Out: 197.600 ± 0.049 $\chi^2/\text{NDF}: 112097.0/10$

Right Out: 196.219 ± 0.052 $\chi^2/\text{NDF}: 173506.2/19$

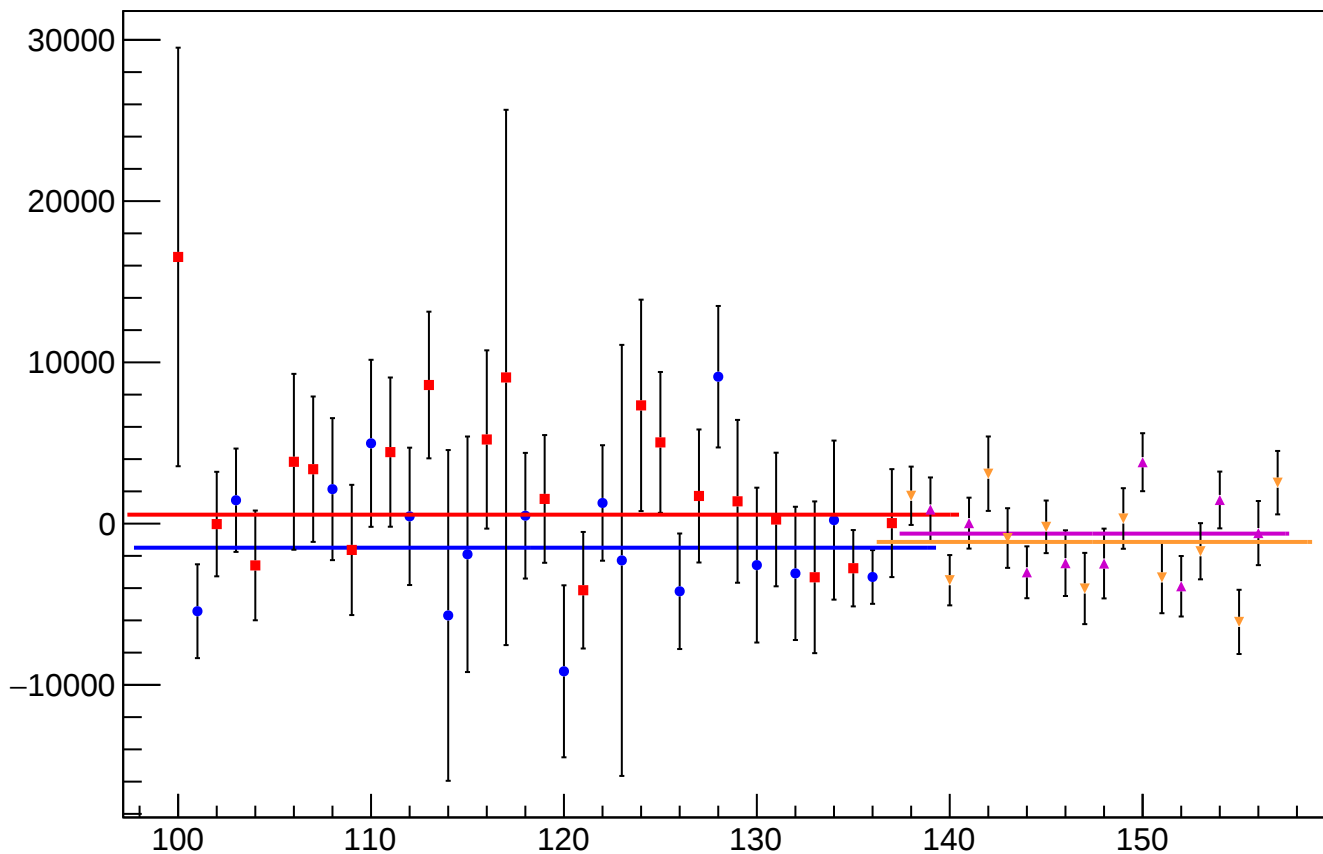
Left In: 201.356 ± 0.053 $\chi^2/\text{NDF}: 108536.4/8$

196.414 ± 0.036 $\chi^2/\text{NDF}: 257651.0/27$

197.563 ± 0.026 $\chi^2/\text{NDF}: 546547.1/56$

198.770 ± 0.037 $\chi^2/\text{NDF}: 286831.9/28$

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -1493.280+/-910.834 χ^2/NDF : 16.1/16

Left Out: -1135.570+/-567.578 χ^2/NDF : 21.6/10

Right Out: 555.744+/-933.239 χ^2/NDF : 14.9/19

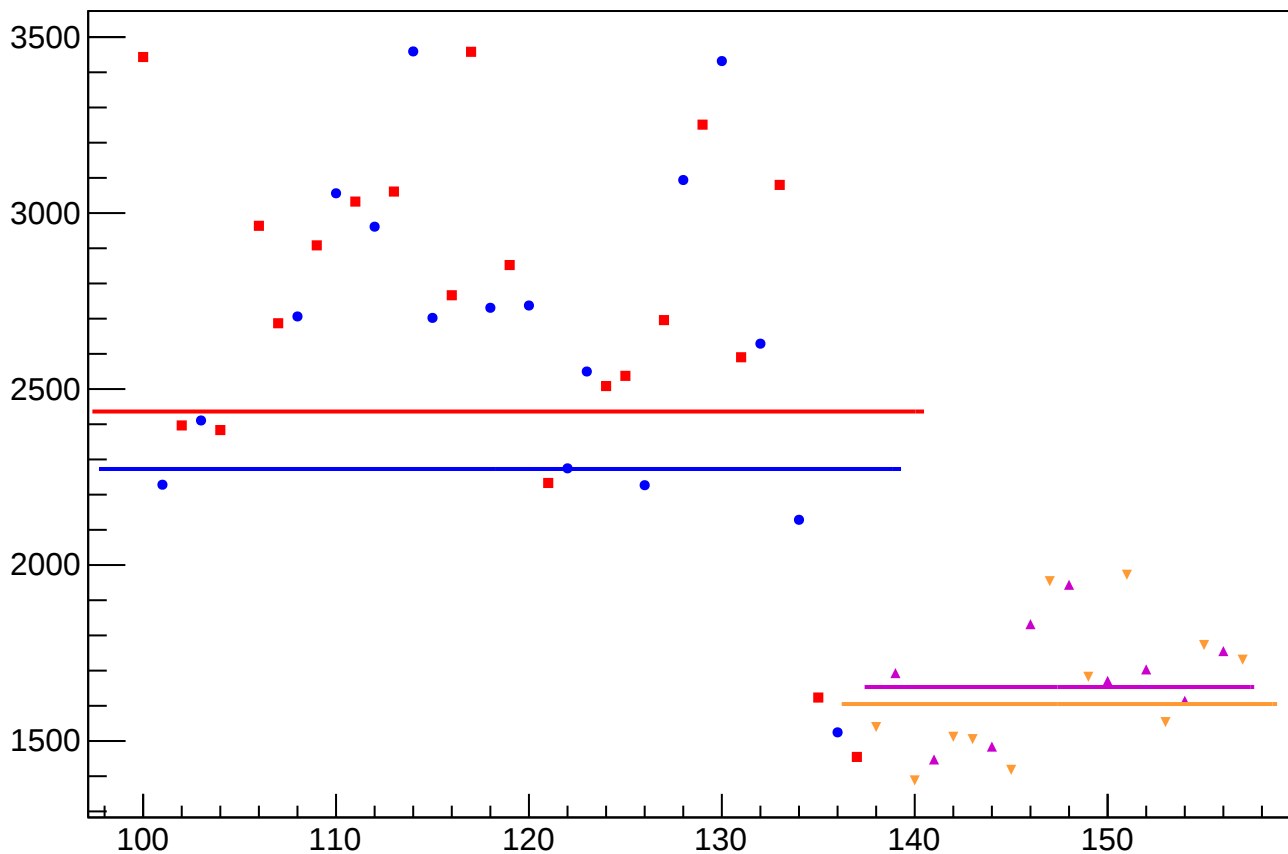
Left In: -620.511+/-612.656 χ^2/NDF : 15.0/8

-1235.621+/-481.707 χ^2/NDF : 37.9/27

-780.607+/-350.889 χ^2/NDF : 70.8/56

-266.254+/-512.155 χ^2/NDF : 31.0/28

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 2272.883 $\pm$ 0.644 χ^2 /NDF: 805650.3/16

Left Out: 1605.051 $\pm$ 0.401 χ^2 /NDF: 208947.2/10

Right Out: 2436.191 $\pm$ 0.660 χ^2 /NDF: 688391.3/19

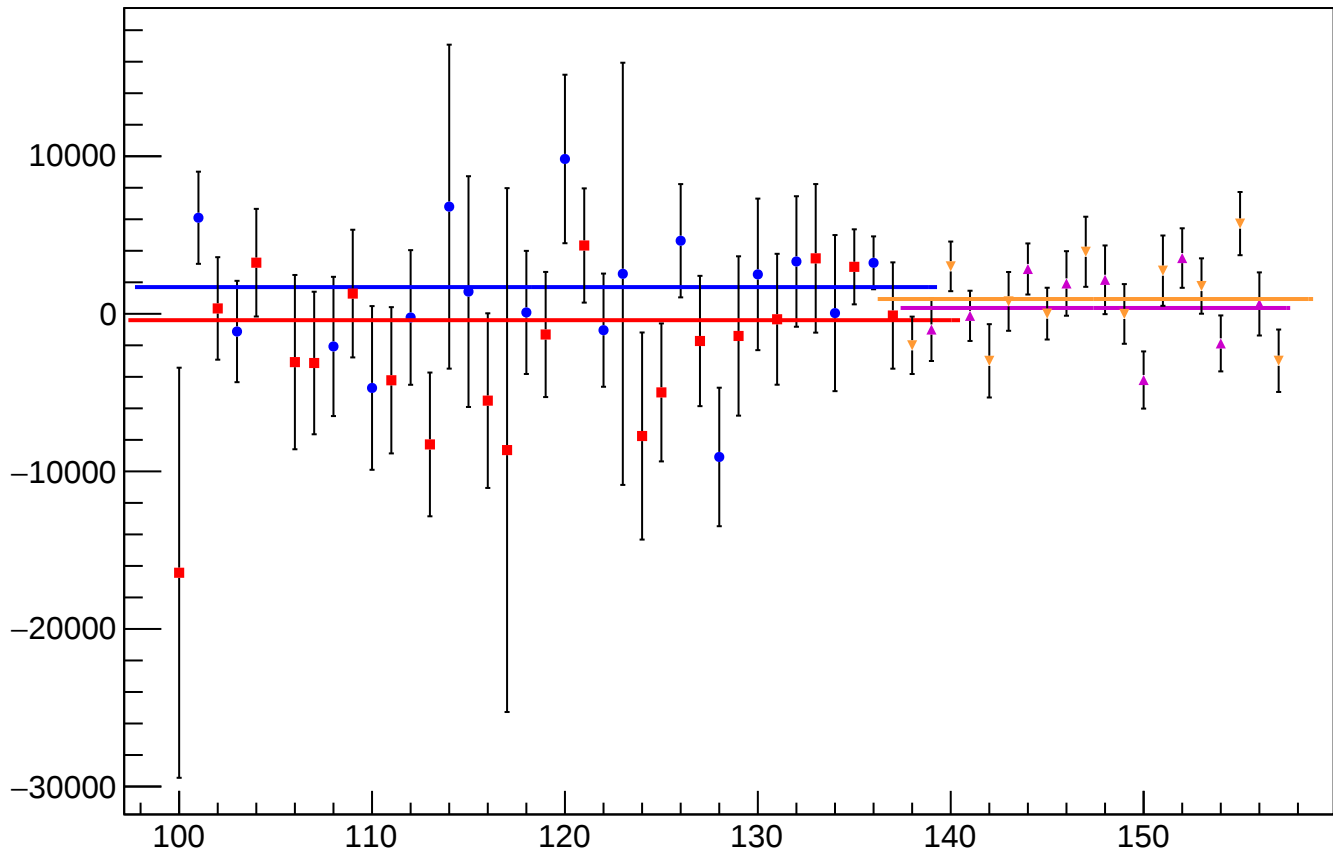
Left In: 1653.436 $\pm$ 0.433 χ^2 /NDF: 116212.4/8

1791.842 $\pm$ 0.341 χ^2 /NDF: 1789062.1/27

1837.532 $\pm$ 0.248 χ^2 /NDF: 3615252.7/56

1889.181 $\pm$ 0.362 χ^2 /NDF: 1787857.1/28

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1695.956 $\pm$ 914.855 χ^2 /NDF: 16.6/16

Left Out: 939.350 $\pm$ 572.033 χ^2 /NDF: 20.0/10

Right Out: -403.904 $\pm$ 937.036 χ^2 /NDF: 15.2/19

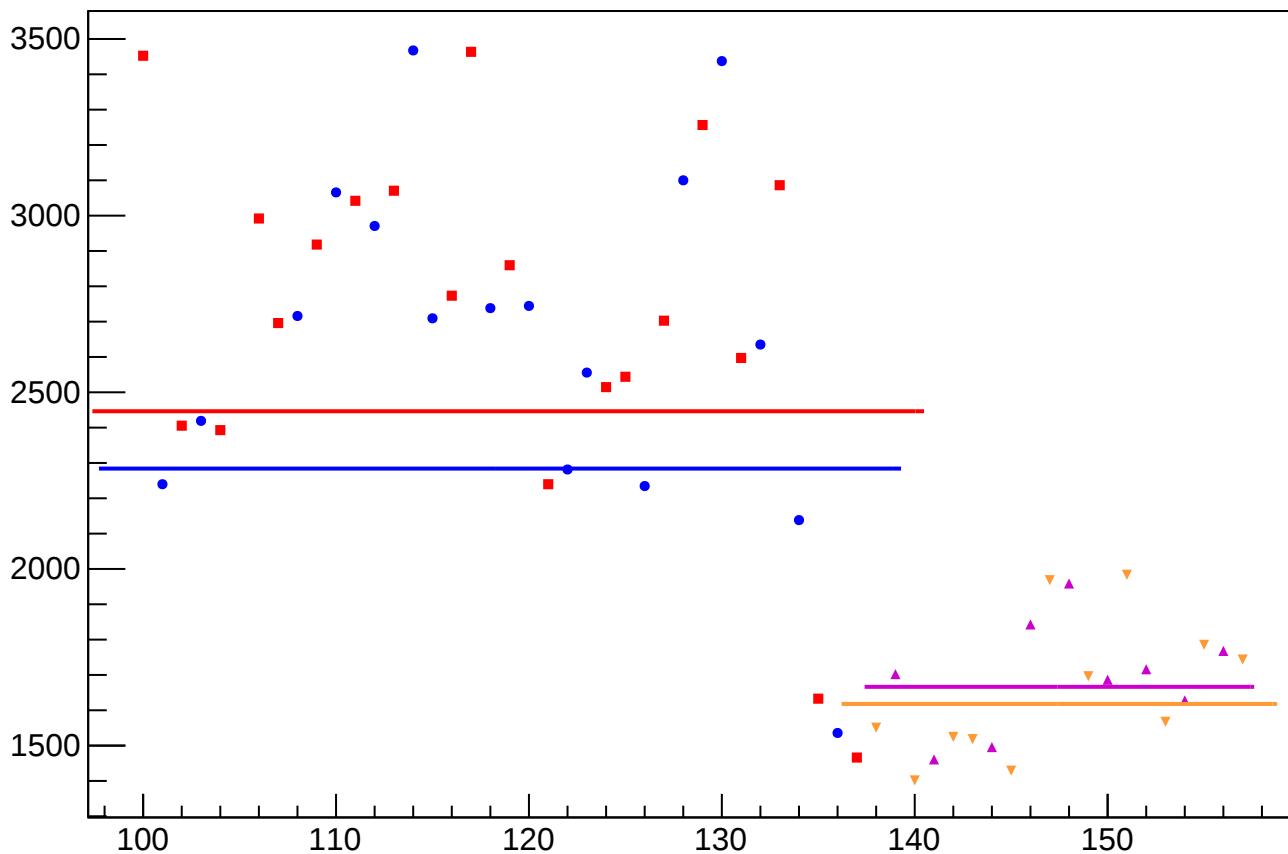
Left In: 370.835 $\pm$ 617.384 χ^2 /NDF: 14.9/8

1152.013 $\pm$ 485.024 χ^2 /NDF: 37.2/27

675.117 $\pm$ 353.260 χ^2 /NDF: 69.8/56

136.320 $\pm$ 515.542 χ^2 /NDF: 30.6/28

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2284.104 $\pm$ 0.647 χ^2 /NDF: 793993.4/16

Left Out: 1617.947 $\pm$ 0.404 χ^2 /NDF: 206184.8/10

Right Out: 2446.366 $\pm$ 0.663 χ^2 /NDF: 680413.3/19

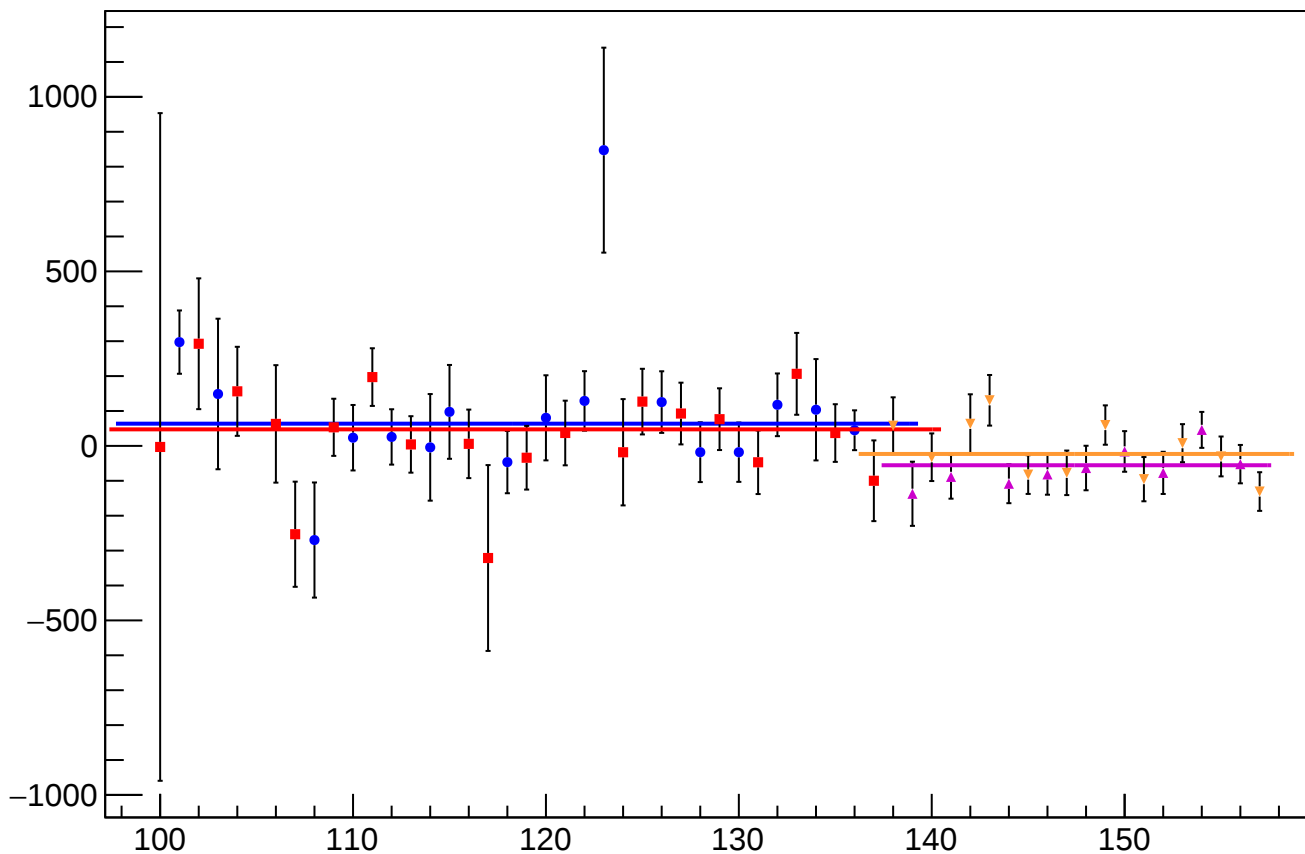
Left In: 1666.384 $\pm$ 0.437 χ^2 /NDF: 114600.8/8

1805.187 $\pm$ 0.343 χ^2 /NDF: 1762540.0/27

1850.872 $\pm$ 0.250 χ^2 /NDF: 3561628.7/56

1902.487 $\pm$ 0.365 χ^2 /NDF: 1761297.5/28

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 63.666 ± 23.743 $\chi^2/\text{NDF}: 23.7/16$

Left Out: -23.091 ± 18.902 $\chi^2/\text{NDF}: 16.0/10$

Right Out: 47.367 ± 23.568 $\chi^2/\text{NDF}: 18.7/19$

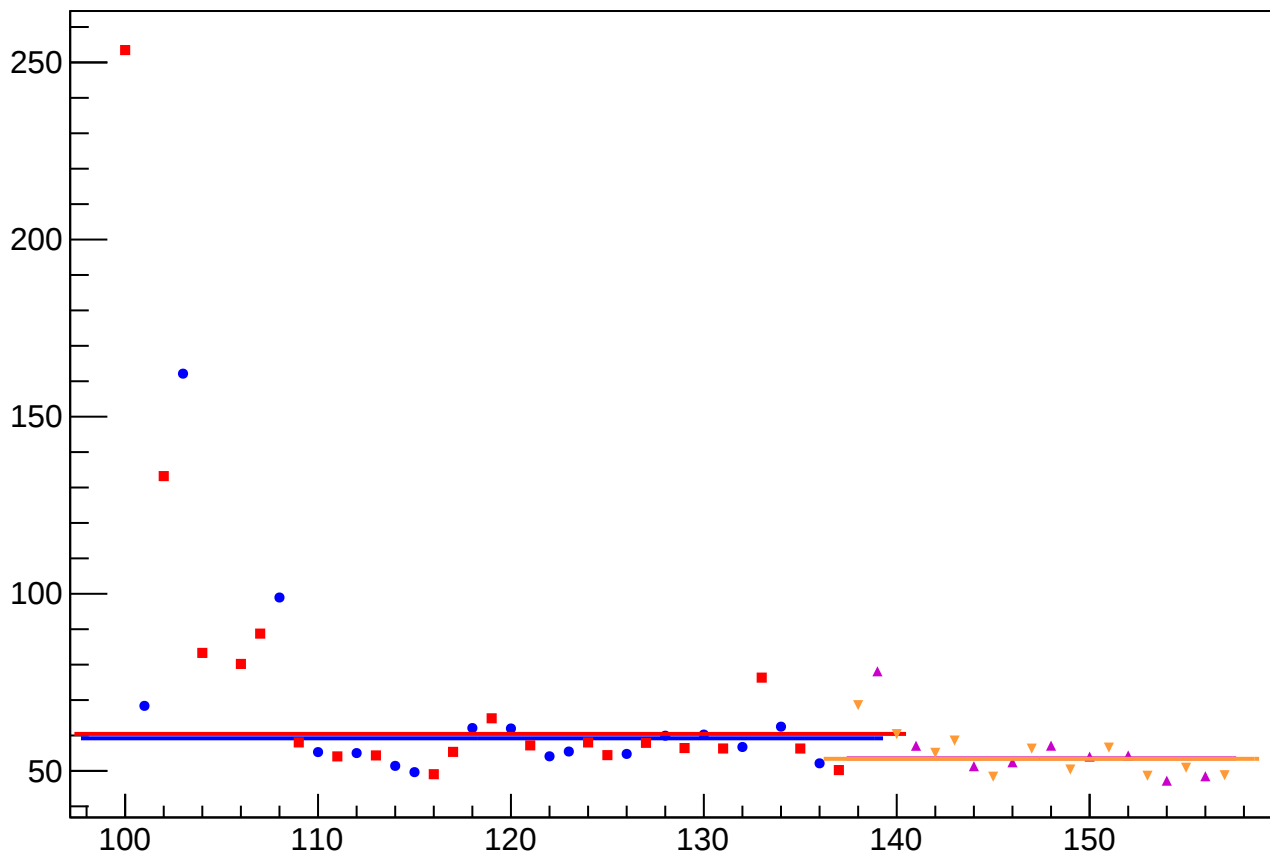
Left In: -55.448 ± 19.948 $\chi^2/\text{NDF}: 6.7/8$

10.566 ± 14.788 $\chi^2/\text{NDF}: 47.8/27$

-0.647 ± 10.608 $\chi^2/\text{NDF}: 85.5/56$

-12.535 ± 15.226 $\chi^2/\text{NDF}: 36.5/28$

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 59.200 $\pm$ 0.017 χ^2 /NDF: 665472.4/16

Left Out: 53.415 $\pm$ 0.013 χ^2 /NDF: 165479.3/10

Right Out: 60.443 $\pm$ 0.017 χ^2 /NDF: 680790.3/19

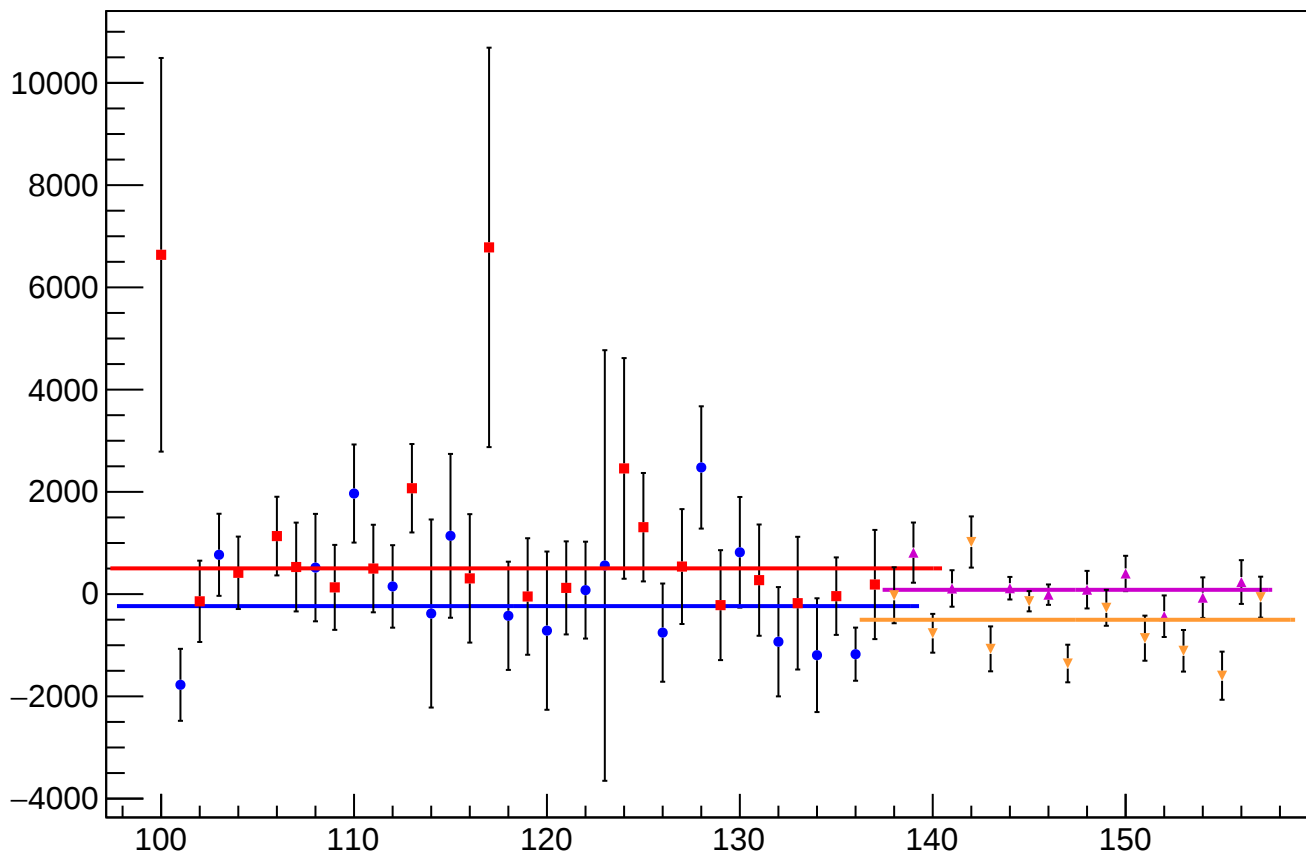
Left In: 53.540 $\pm$ 0.014 χ^2 /NDF: 206898.6/8

55.659 $\pm$ 0.010 χ^2 /NDF: 903634.0/27

56.029 $\pm$ 0.008 χ^2 /NDF: 1893857.4/56

56.421 $\pm$ 0.011 χ^2 /NDF: 987645.9/28

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -234.492 ± 233.880 χ^2/NDF : 24.2/16

Left Out: -501.793 ± 110.173 χ^2/NDF : 30.9/10

Right Out: 503.638 ± 221.955 χ^2/NDF : 13.2/19

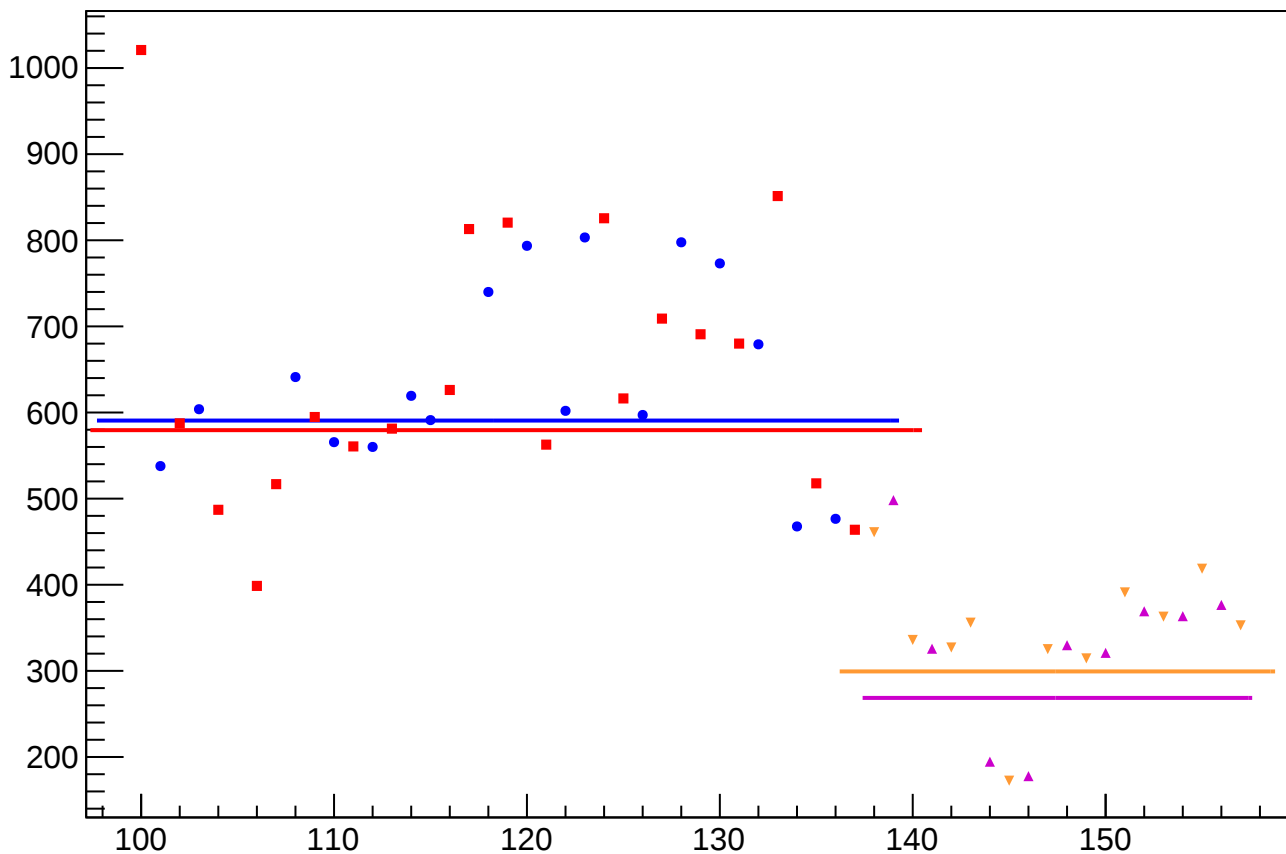
Left In: 84.163 ± 105.396 χ^2/NDF : 4.5/8

-453.250 ± 99.668 χ^2/NDF : 56.1/27

-131.892 ± 68.845 χ^2/NDF : 96.6/56

161.346 ± 95.207 χ^2/NDF : 20.6/28

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: 299.356 $\pm$ 0.078 χ^2 /NDF:1367159.9/10

Right Out: 579.509 $\pm$ 0.157 χ^2 /NDF: 501132.1/19

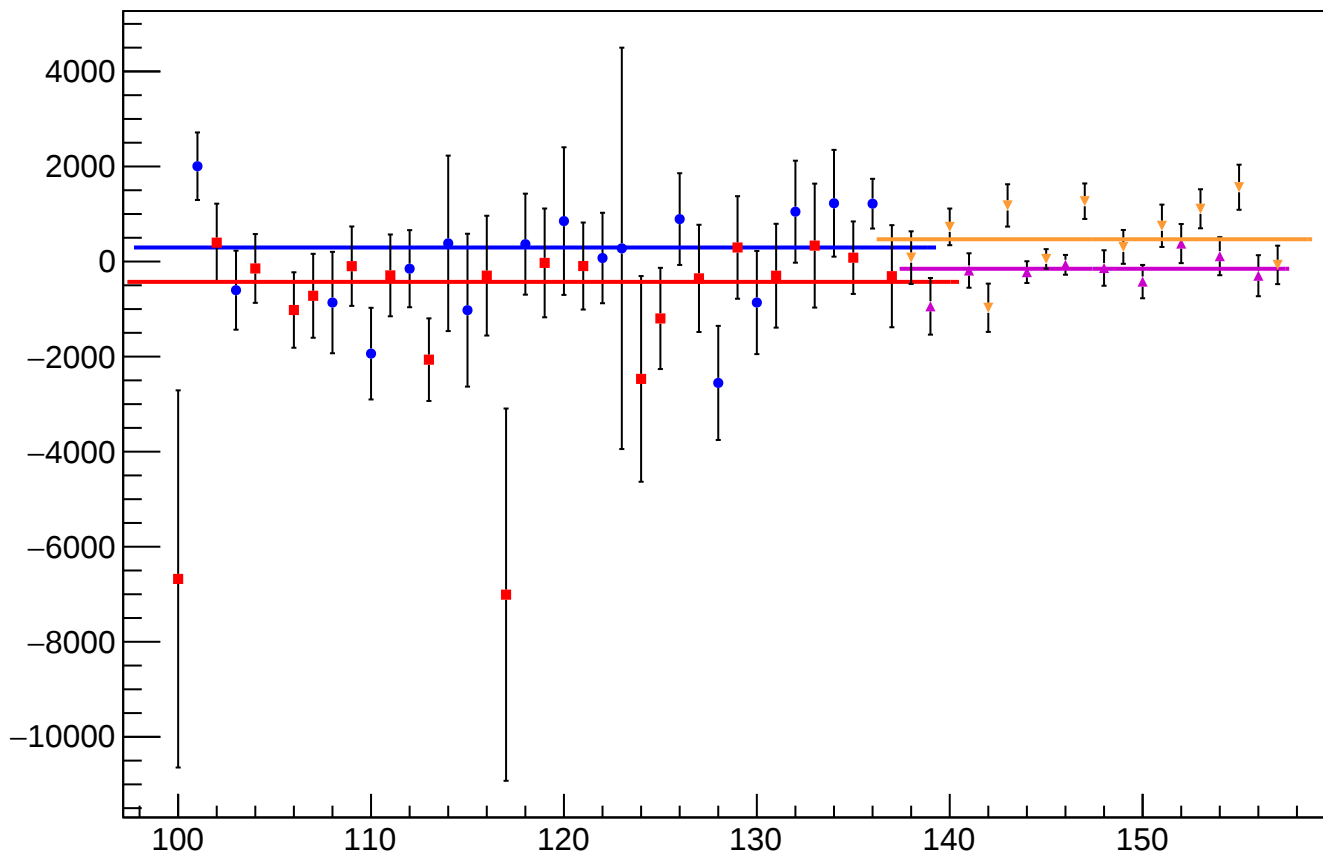
Left In: 268.601 $\pm$ 0.075 χ^2 /NDF:1460874.2/8

352.258 $\pm$ 0.070 χ^2 /NDF: 4258439.5/27

338.427 $\pm$ 0.049 χ^2 /NDF: 9496368.5/56

325.807 $\pm$ 0.067 χ^2 /NDF: 5164273.7/28

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 295.401 $\pm$ 235.860 χ^2 /NDF: 26.1/16

Left Out: 468.754 $\pm$ 112.424 χ^2 /NDF:30.3/10

Right Out: -427.853 $\pm$ 224.485 χ^2 /NDF: 13.8/19

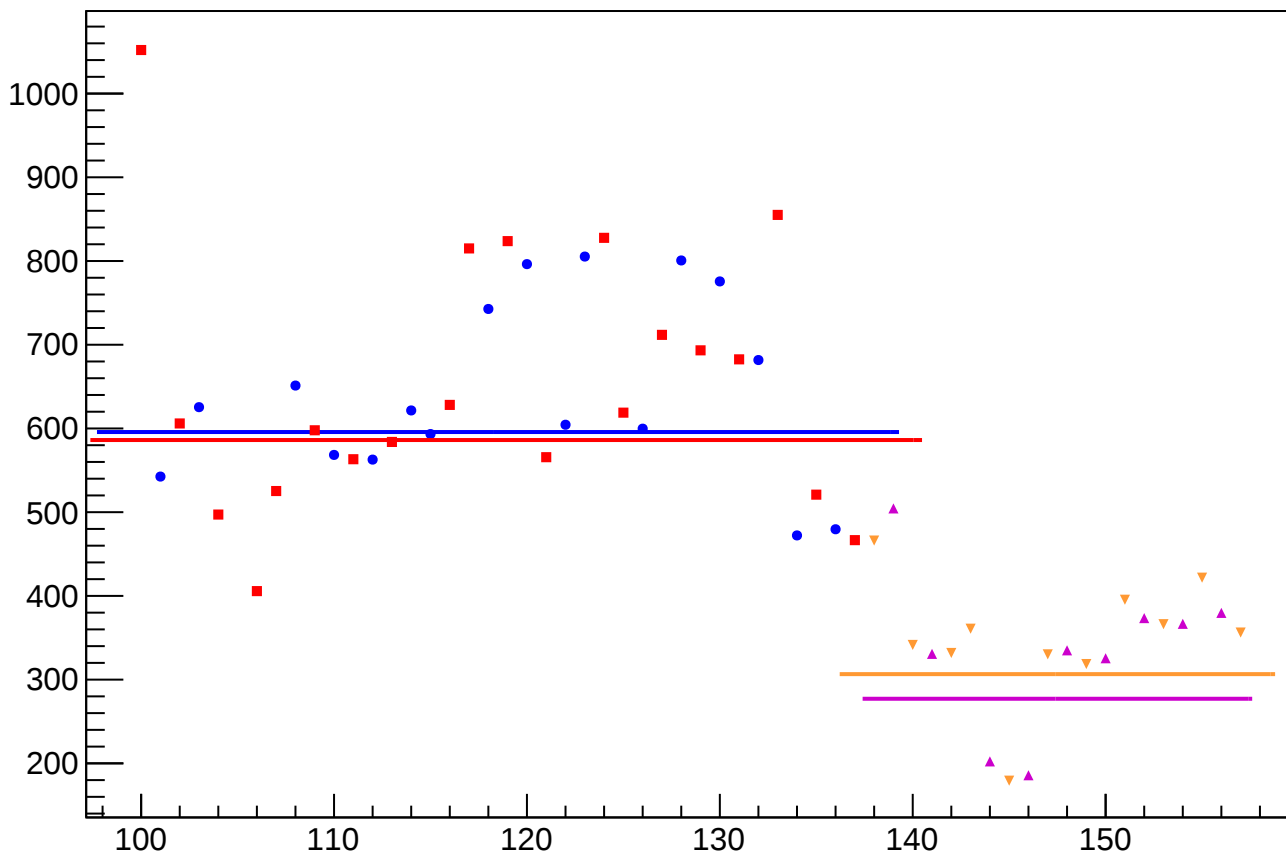
Left In: -152.222 $\pm$ 108.200 χ^2 /NDF:4.8/8

436.660 $\pm$ 101.485 χ^2 /NDF: 56.9/27

103.310 $\pm$ 70.298 χ^2 /NDF: 97.5/56

-204.184 $\pm$ 97.469 χ^2 /NDF: 19.9/28

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 595.734 +/- 0.167 χ^2/NDF : 350058.2/16

Left Out: 306.567 +/- 0.079 χ^2/NDF : 1263117.2/10

Right Out: 586.176 +/- 0.159 χ^2/NDF : 481325.4/19

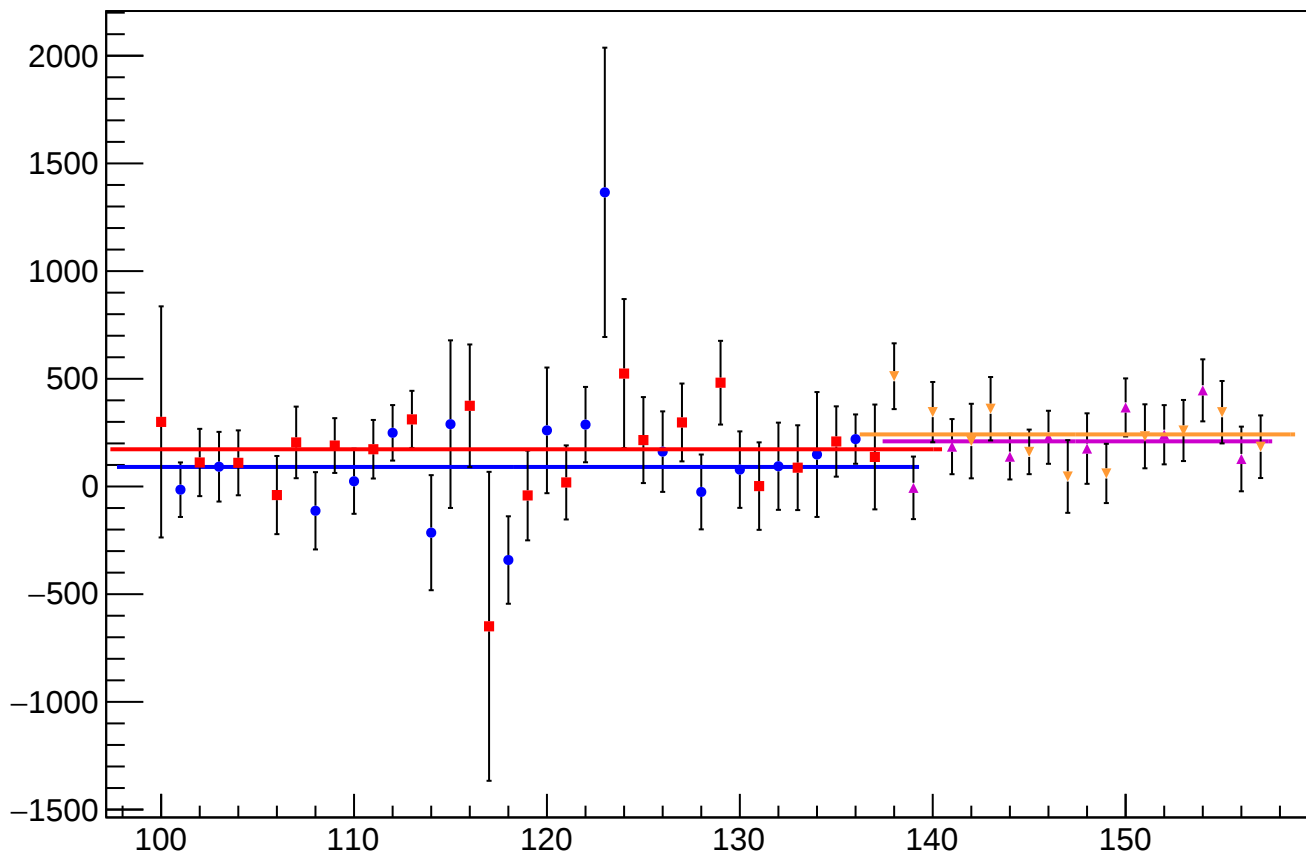
Left In: 277.151 +/- 0.077 χ^2/NDF : 1342400.4/8

360.102 +/- 0.072 χ^2/NDF : 4062809.7/27

347.257 +/- 0.050 χ^2/NDF : 9023646.0/56

335.409 +/- 0.069 χ^2/NDF : 4899243.3/28

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 90.711 $\pm$ 43.312 χ^2 /NDF: 16.9/16

Left Out: 241.860 $\pm$ 42.842 χ^2 /NDF: 8.7/10

Right Out: 172.786 $\pm$ 41.033 χ^2 /NDF: 11.6/19

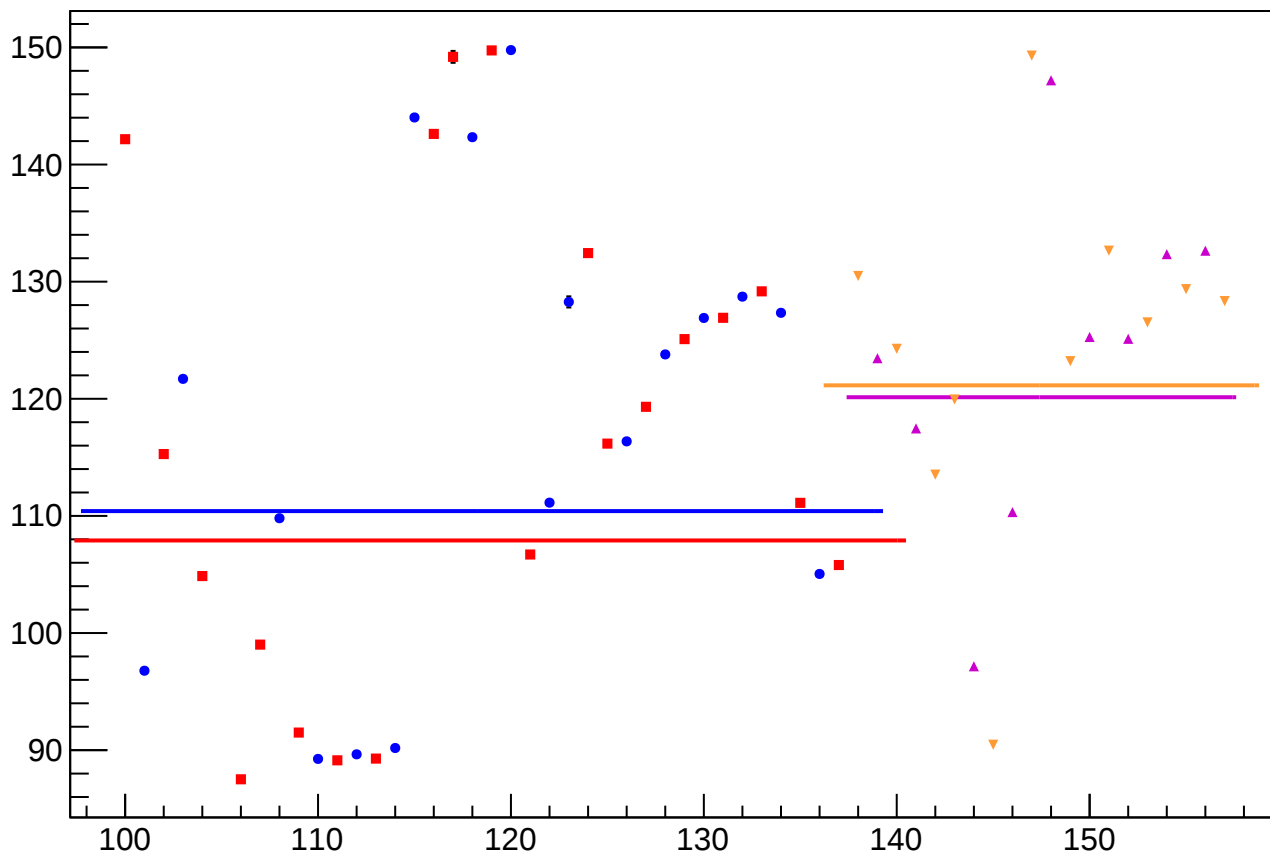
Left In: 209.598 $\pm$ 44.654 χ^2 /NDF: 7.2/8

167.111 $\pm$ 30.459 χ^2 /NDF: 31.8/27

178.466 $\pm$ 21.451 χ^2 /NDF: 51.2/56

189.639 $\pm$ 30.214 χ^2 /NDF: 19.2/28

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: 121.148 $\pm$ 0.030 χ^2 /NDF: 270720.2/10

Right Out: 107.903 $\pm$ 0.029 χ^2 /NDF: 351091.4/19

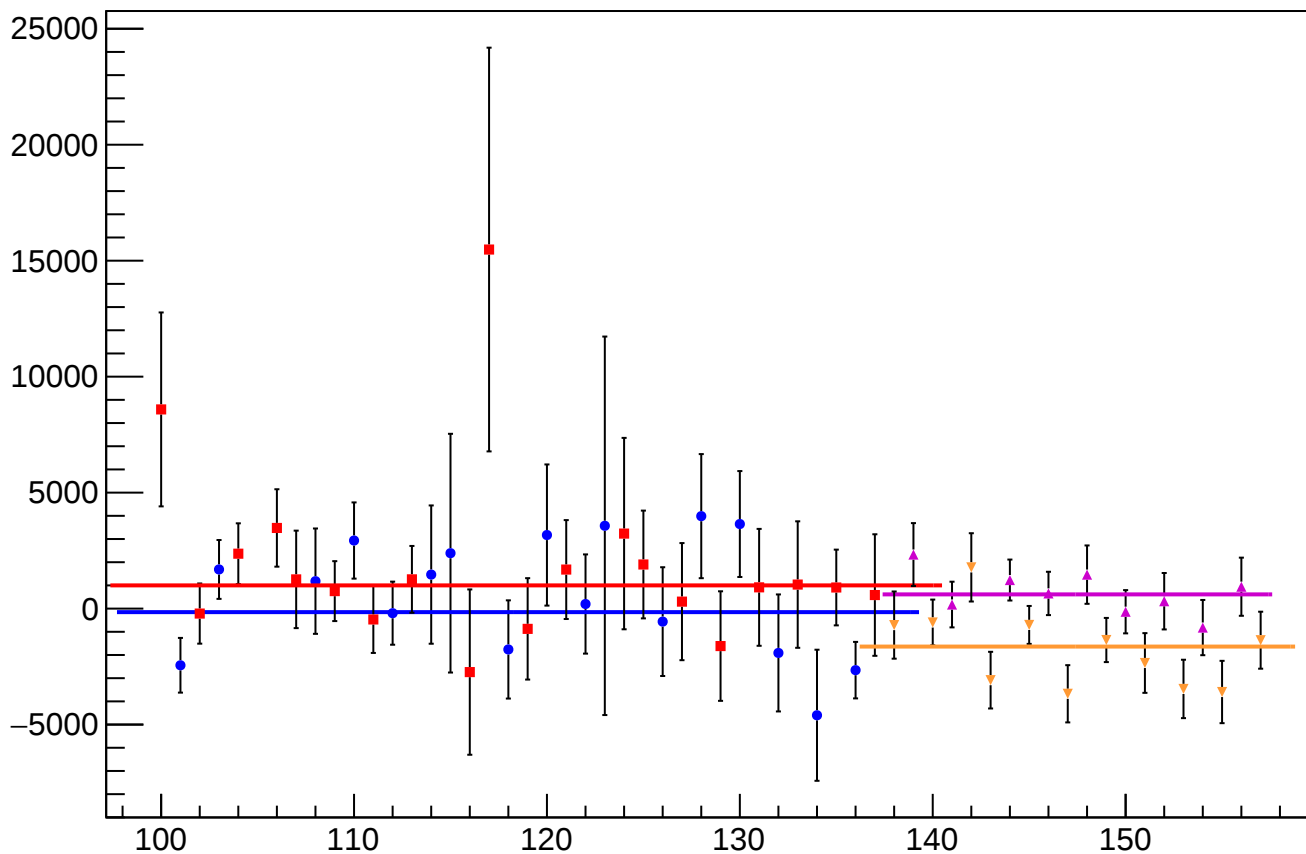
Left In: 120.133 $\pm$ 0.032 χ^2 /NDF: 197268.8/8

115.838 $\pm$ 0.022 χ^2 /NDF: 629262.7/27

114.661 $\pm$ 0.015 χ^2 /NDF: 1264891.3/56

113.503 $\pm$ 0.021 χ^2 /NDF: 629701.1/28

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -152.403+/-464.753 χ^2/NDF : 24.7/16

Left Out: -1636.970+/-346.265 χ^2/NDF : 17.0/10

Right Out: 1000.907+/-434.569 χ^2/NDF : 15.1/19

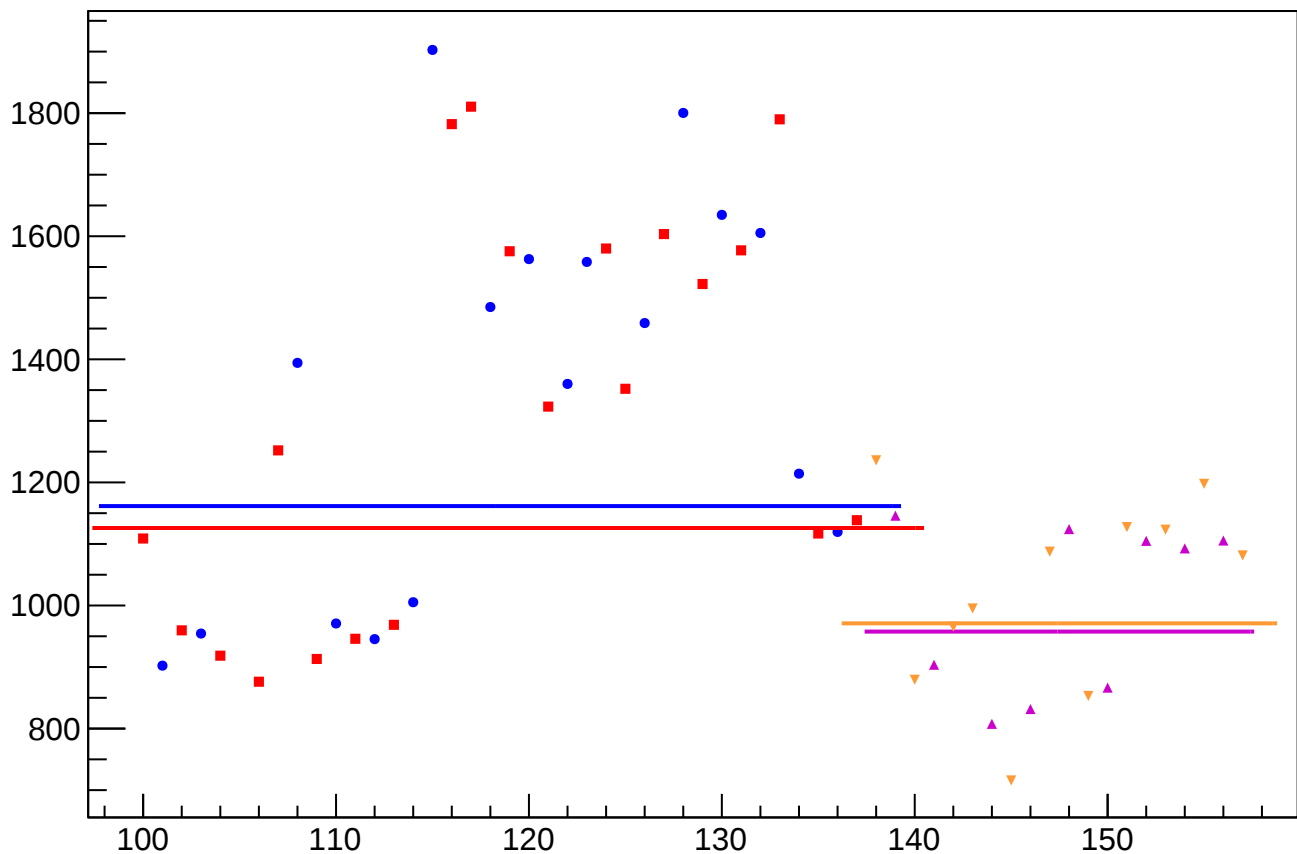
Left In: 612.963+/-357.978 χ^2/NDF : 5.0/8

-1107.045+/-277.670 χ^2/NDF : 48.2/27

-163.997+/-195.857 χ^2/NDF : 91.7/56

769.791+/-276.304 χ^2/NDF : 20.5/28

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 1161.530 $\pm$ 0.329 χ^2/NDF : 695906.9/16

Left Out: 970.992 $\pm$ 0.245 χ^2/NDF : 460206.4/10

Right Out: 1125.946 $\pm$ 0.307 χ^2/NDF : 780195.3/19

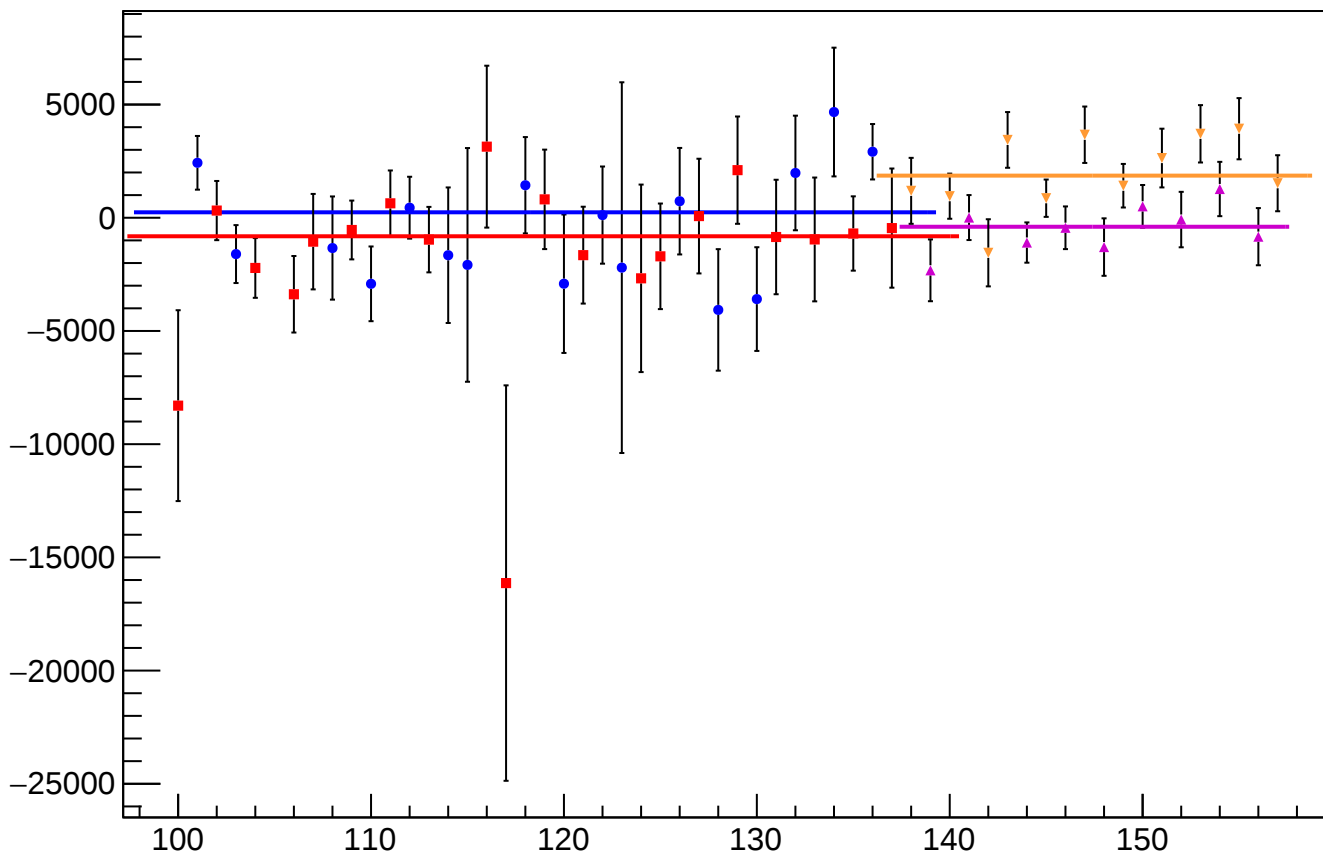
Left In: 957.589 $\pm$ 0.253 χ^2/NDF : 275608.8/8

1039.006 $\pm$ 0.196 χ^2/NDF : 1372282.0/27

1032.294 $\pm$ 0.138 χ^2/NDF : 2609238.9/56

1025.648 $\pm$ 0.195 χ^2/NDF : 1234631.4/28

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 240.732 $\pm$ 467.036 χ^2/NDF : 24.8/16

Left Out: 1860.961 $\pm$ 349.069 χ^2/NDF : 16.7/10

Right Out: -817.635 $\pm$ 436.939 χ^2/NDF : 15.4/19

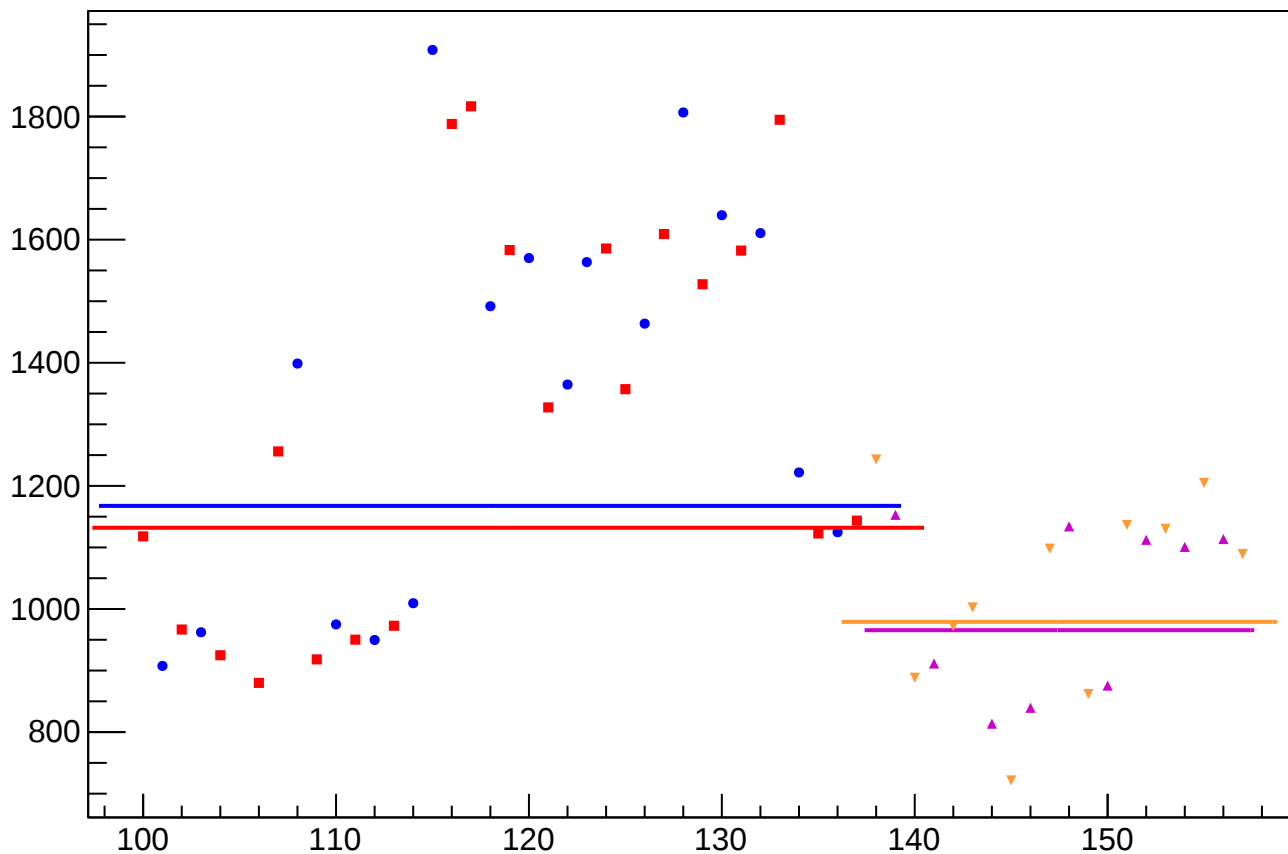
Left In: -397.320 $\pm$ 360.896 χ^2/NDF : 6.3/8

1280.256 $\pm$ 279.602 χ^2/NDF : 49.2/27

351.774 $\pm$ 197.230 χ^2/NDF : 93.4/56

-567.777 $\pm$ 278.254 χ^2/NDF : 22.3/28

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1167.539 $\pm$ 0.330 χ^2/NDF : 690485.6/16

Left Out: 979.072 $\pm$ 0.247 χ^2/NDF : 455817.1/10

Right Out: 1132.019 $\pm$ 0.309 χ^2/NDF : 773827.8/19

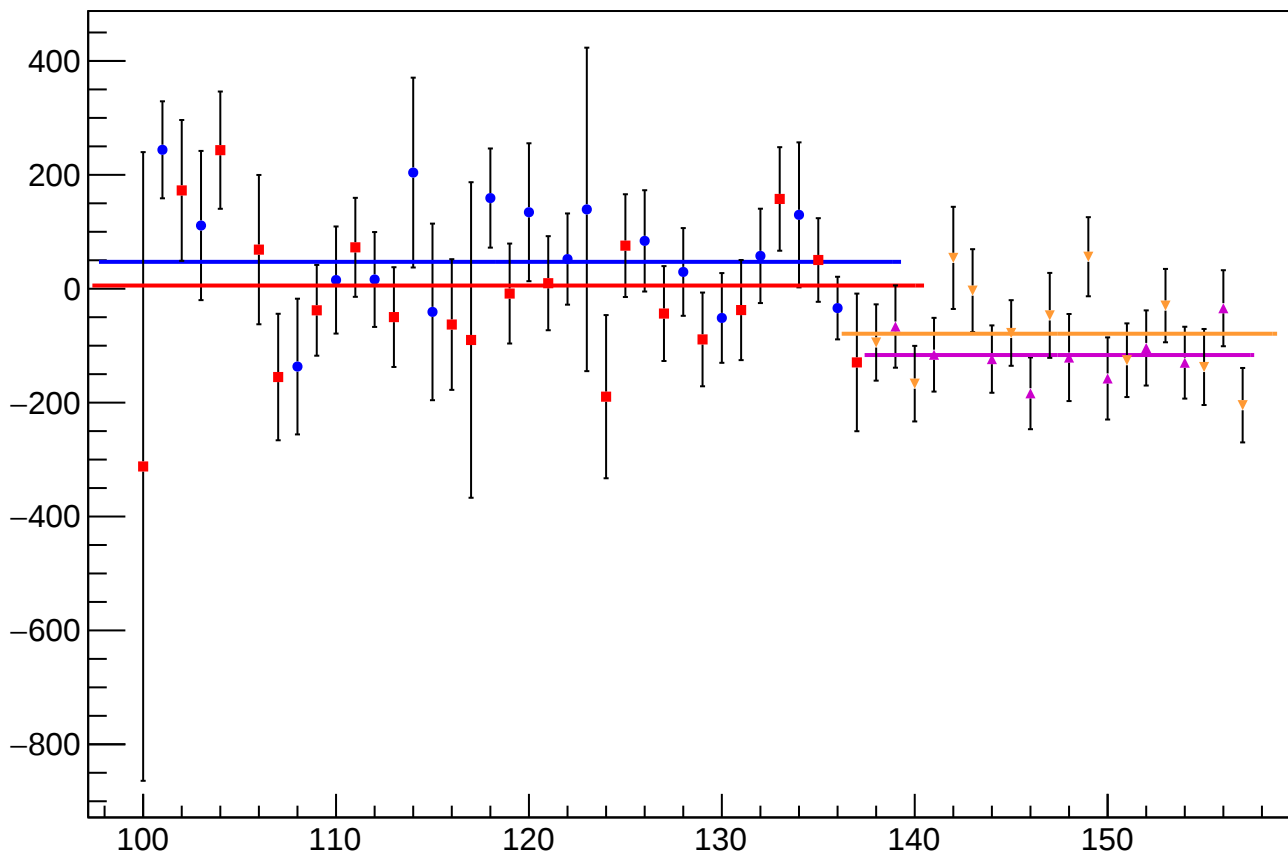
Left In: 965.563 $\pm$ 0.255 χ^2/NDF : 273077.5/8

1046.620 $\pm$ 0.198 χ^2/NDF : 1355259.8/27

1039.812 $\pm$ 0.139 χ^2/NDF : 2577072.0/56

1033.069 $\pm$ 0.197 χ^2/NDF : 1219451.8/28

reg_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 47.220 $\pm$ 22.565 χ^2 /NDF: 16.1/16

Left Out: -79.000 $\pm$ 20.458 χ^2 /NDF:14.6/10

Right Out: 5.636 $\pm$ 22.057 χ^2 /NDF: 20.4/19

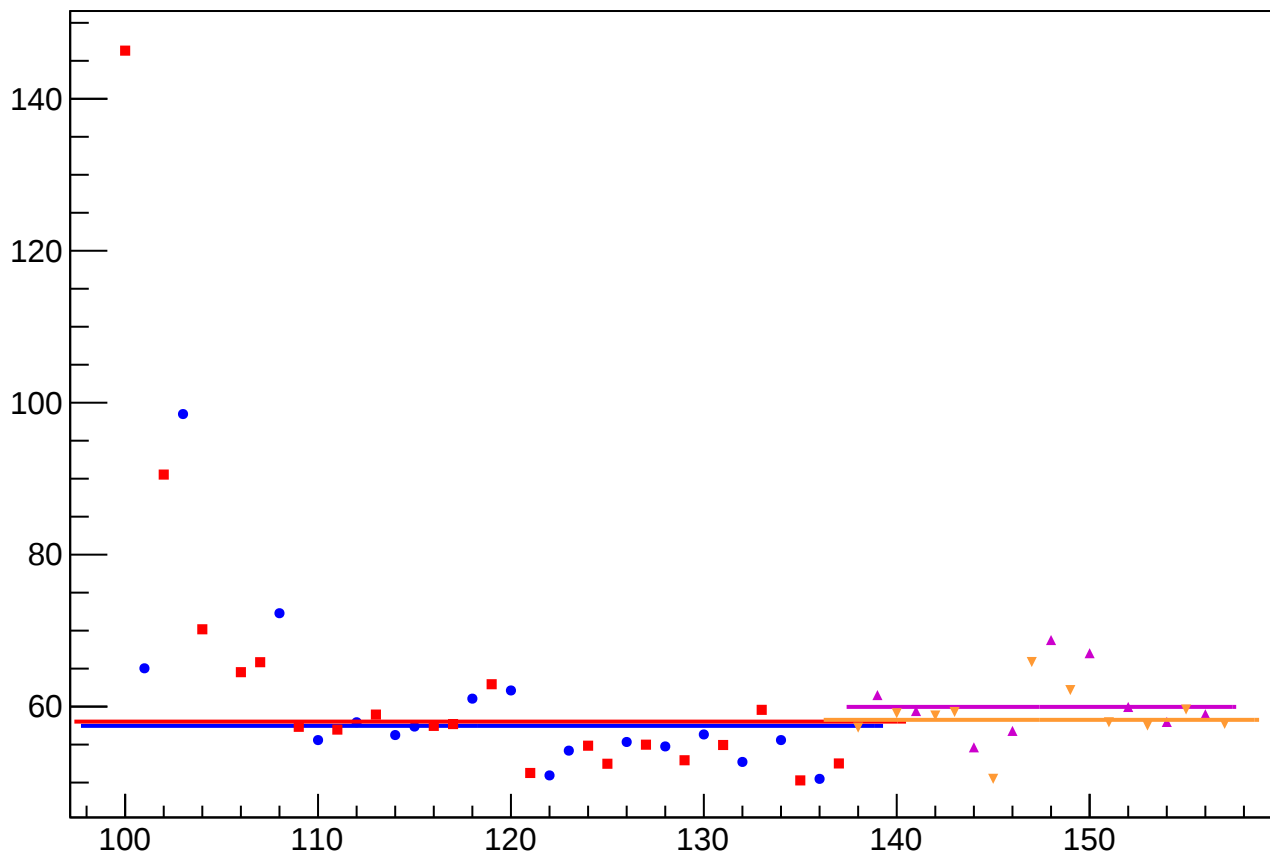
Left In: -116.402 $\pm$ 22.161 χ^2 /NDF:3.6/8

-22.056 $\pm$ 15.156 χ^2 /NDF: 47.9/27

-38.064 $\pm$ 10.882 χ^2 /NDF: 89.4/56

-55.096 $\pm$ 15.633 χ^2 /NDF: 39.2/28

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+/-0.014 χ^2/NDF : 66034.8/10

Right Out: 58.025+/-0.016 χ^2/NDF : 300790.9/19

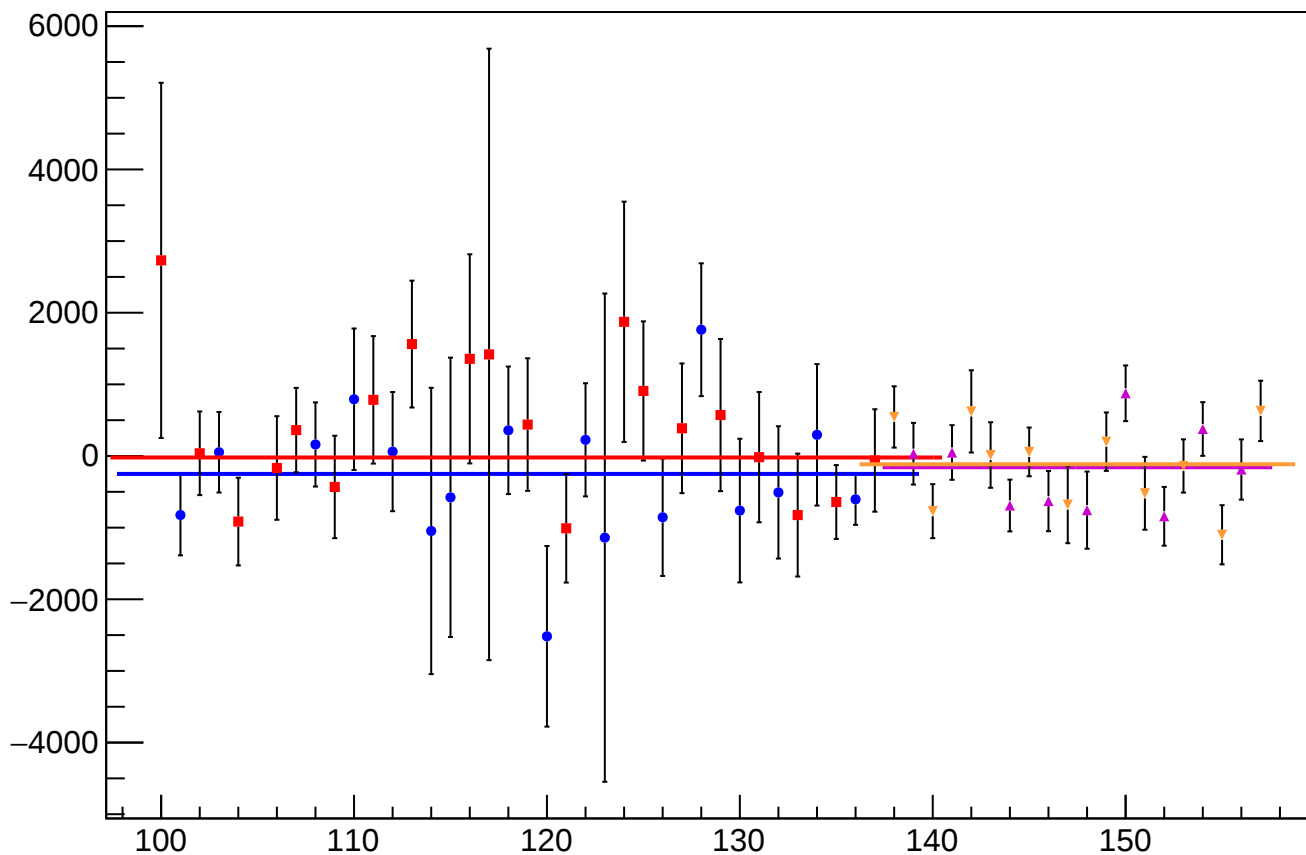
Left In: 59.961+/-0.016 χ^2/NDF : 70393.9/8

57.900+/-0.011 χ^2/NDF : 374541.1/27

58.427+/-0.008 χ^2/NDF : 758399.1/56

58.989+/-0.011 χ^2/NDF : 378855.6/28

asym_sam_13_57_dd_correction_mean vs Slug, Sign Corrected



Right In: -250.140 $\pm$ 184.092 χ^2 /NDF: 14.3/16

Left Out: -115.378 $\pm$ 127.984 χ^2 /NDF:18.5/10

Right Out: -20.701 $\pm$ 181.669 χ^2 /NDF: 16.2/19

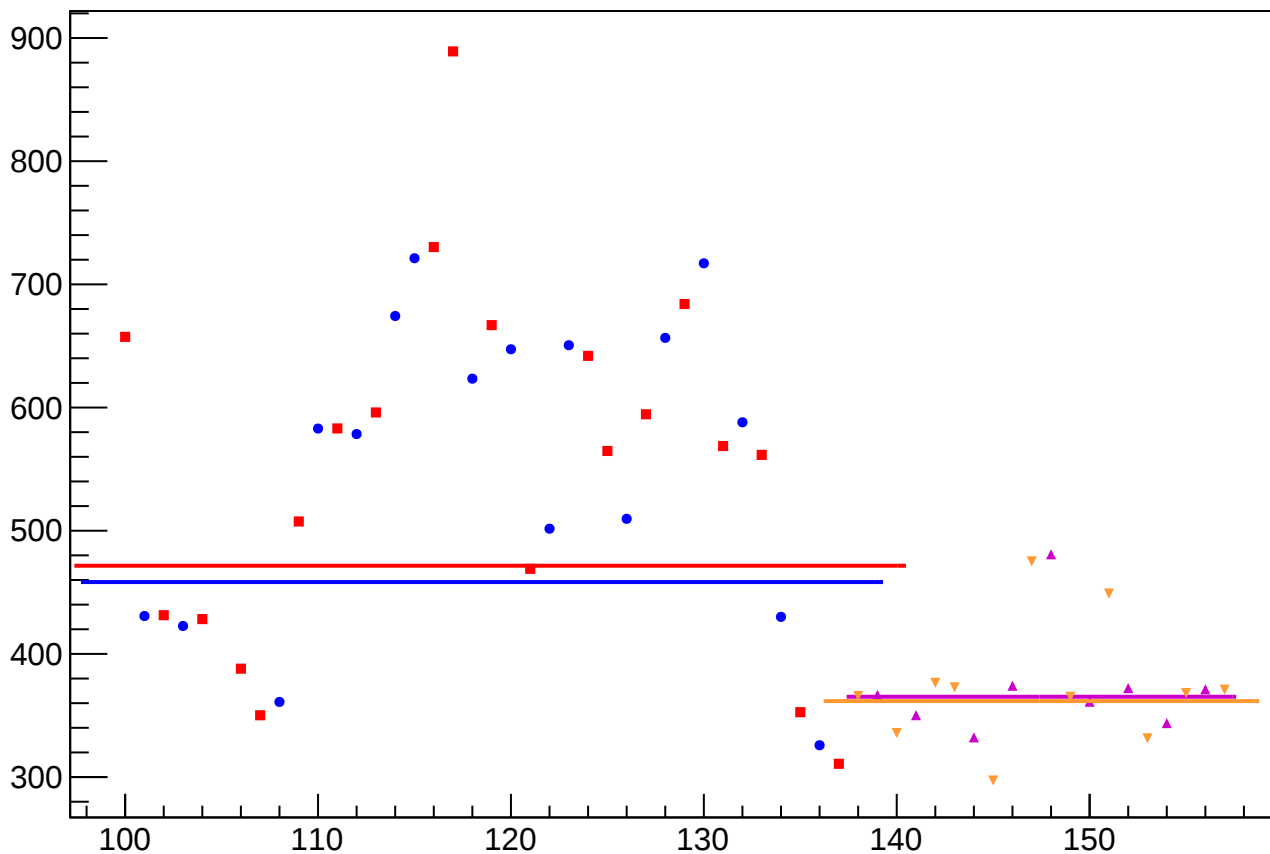
Left In: -157.042 $\pm$ 135.619 χ^2 /NDF:17.1/8

-159.289 $\pm$ 105.084 χ^2 /NDF: 33.2/27

-134.628 $\pm$ 75.544 χ^2 /NDF: 66.9/56

-108.252 $\pm$ 108.677 χ^2 /NDF: 33.6/28

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected



Right In: 458.324+/-0.130 χ^2/NDF : 877201.7/16

Left Out: 361.689+/-0.090 χ^2/NDF : 246507.9/10

Right Out: 471.585+/-0.128 χ^2/NDF : 797816.0/19

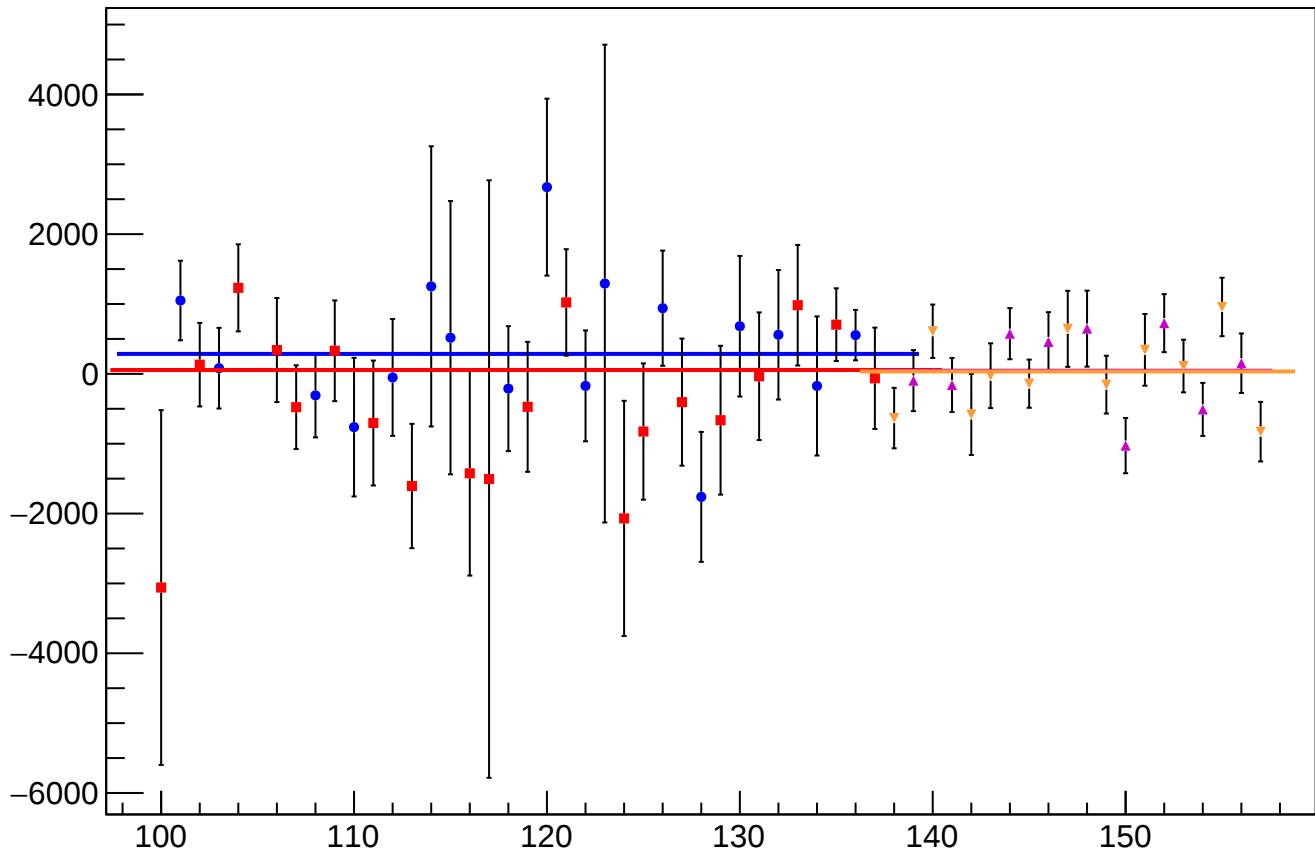
Left In: 365.212+/-0.096 χ^2/NDF : 120680.2/8

393.177+/-0.074 χ^2/NDF : 1495238.9/27

398.058+/-0.053 χ^2/NDF : 2862977.7/56

403.279+/-0.077 χ^2/NDF : 1358807.7/28

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 285.349 $\pm$ 186.262 χ^2 /NDF: 15.2/16

Left Out: 34.381 $\pm$ 129.686 χ^2 /NDF: 16.9/10

Right Out: 55.109 $\pm$ 183.903 χ^2 /NDF: 19.3/19

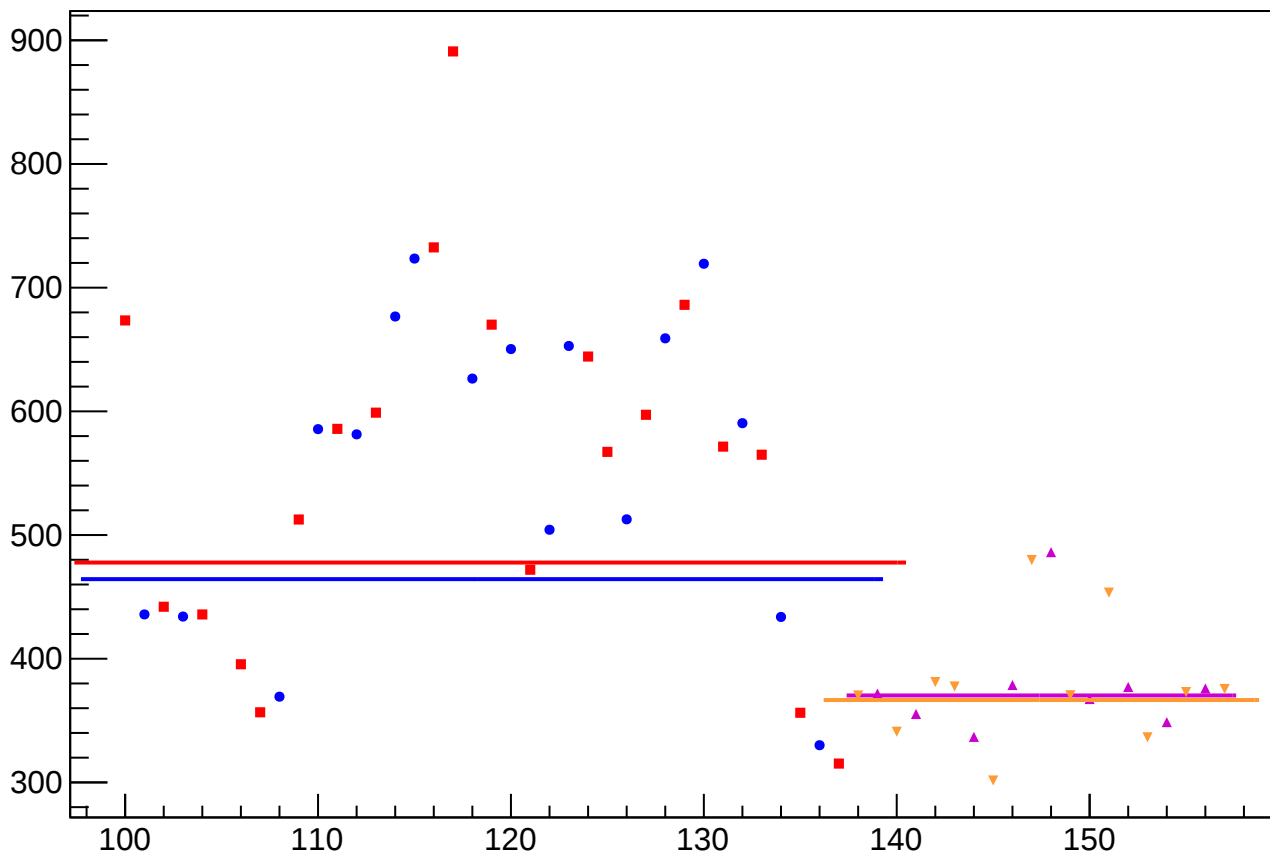
Left In: 44.913 $\pm$ 137.481 χ^2 /NDF: 16.9/8

116.321 $\pm$ 106.430 χ^2 /NDF: 33.3/27

83.597 $\pm$ 76.526 χ^2 /NDF: 69.7/56

48.568 $\pm$ 110.113 χ^2 /NDF: 36.2/28

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 464.341 $\pm$ 0.132 χ^2 /NDF: 845900.9/16

Left Out: 366.607 $\pm$ 0.092 χ^2 /NDF: 240811.3/10

Right Out: 477.754 $\pm$ 0.130 χ^2 /NDF: 768041.0/19

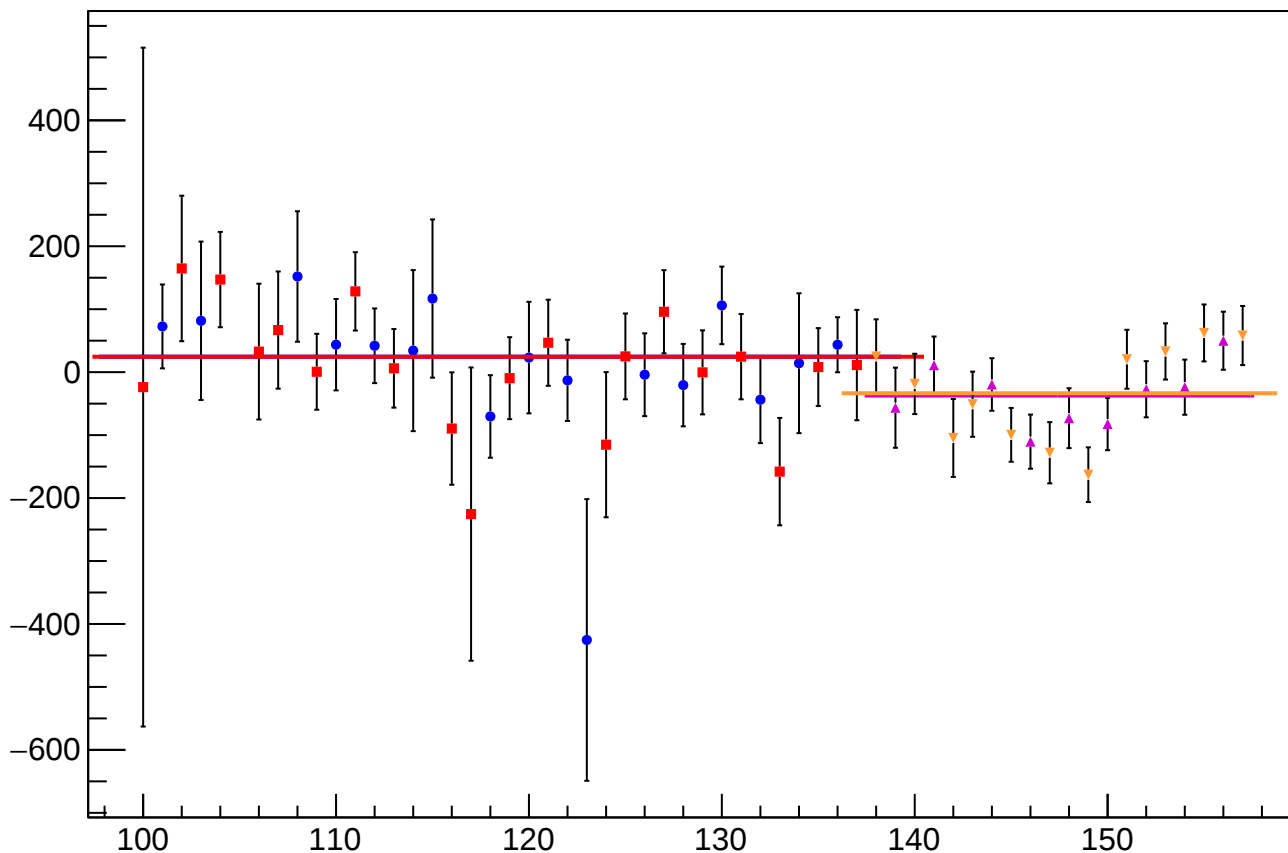
Left In: 370.297 $\pm$ 0.097 χ^2 /NDF: 118628.7/8

398.517 $\pm$ 0.075 χ^2 /NDF: 1457574.1/27

403.494 $\pm$ 0.054 χ^2 /NDF: 2791338.7/56

408.822 $\pm$ 0.078 χ^2 /NDF: 1324708.9/28

reg_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 24.584 $\pm$ 17.839 χ^2 /NDF: 13.0/16

Left Out: -33.526 $\pm$ 14.500 χ^2 /NDF: 29.4/10

Right Out: 24.491 $\pm$ 17.338 χ^2 /NDF: 18.0/19

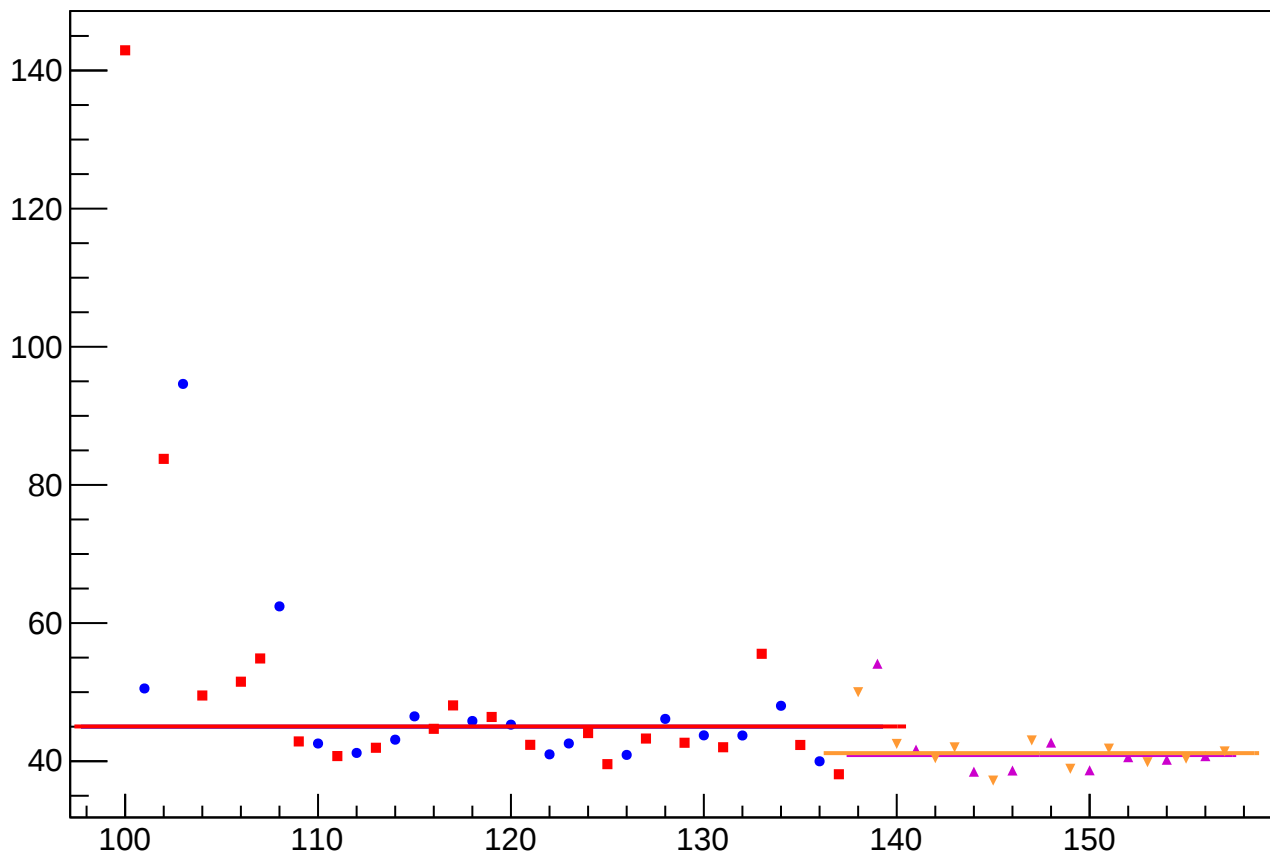
Left In: -37.183 $\pm$ 15.151 χ^2 /NDF: 9.7/8

-10.408 $\pm$ 11.252 χ^2 /NDF: 48.8/27

-10.443 $\pm$ 8.011 χ^2 /NDF: 83.7/56

-10.480 $\pm$ 11.409 χ^2 /NDF: 34.9/28

reg_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 45.001+/-0.013 χ^2/NDF : 438352.8/16

Left Out: 41.171+/-0.010 χ^2/NDF : 75397.4/10

Right Out: 45.034+/-0.012 χ^2/NDF : 415853.3/19

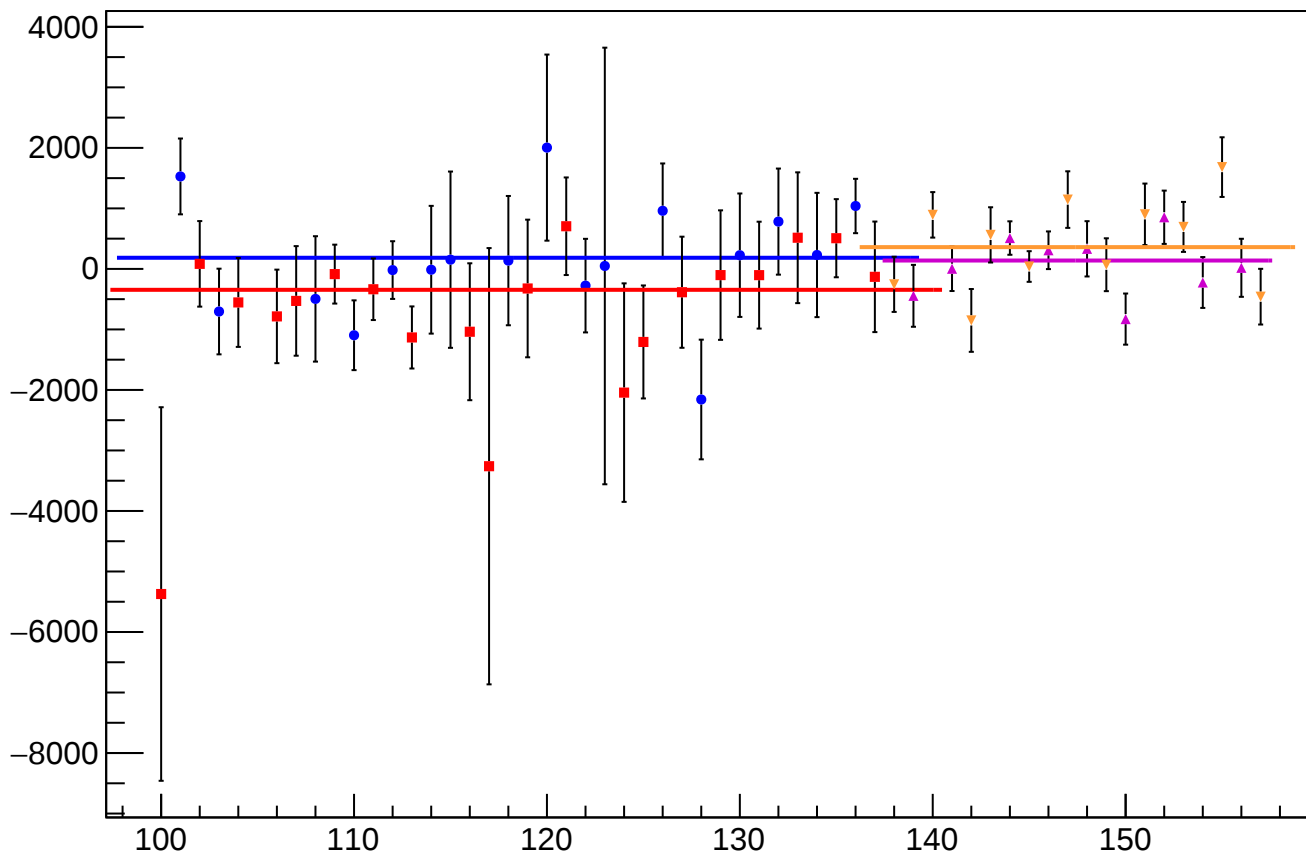
Left In: 40.894+/-0.011 χ^2/NDF : 108168.5/8

42.695+/-0.008 χ^2/NDF : 569266.9/27

42.691+/-0.006 χ^2/NDF : 1157960.9/56

42.686+/-0.008 χ^2/NDF : 588693.4/28

asym_sam_15_37_dd_correction_mean vs Slug, Sign Corrected



Right In: 184.184 $\pm$ 188.558 χ^2 /NDF: 24.2/16

Left Out: 359.918 $\pm$ 124.622 χ^2 /NDF: 26.5/10

Right Out: -345.548 $\pm$ 179.160 χ^2 /NDF: 13.1/19

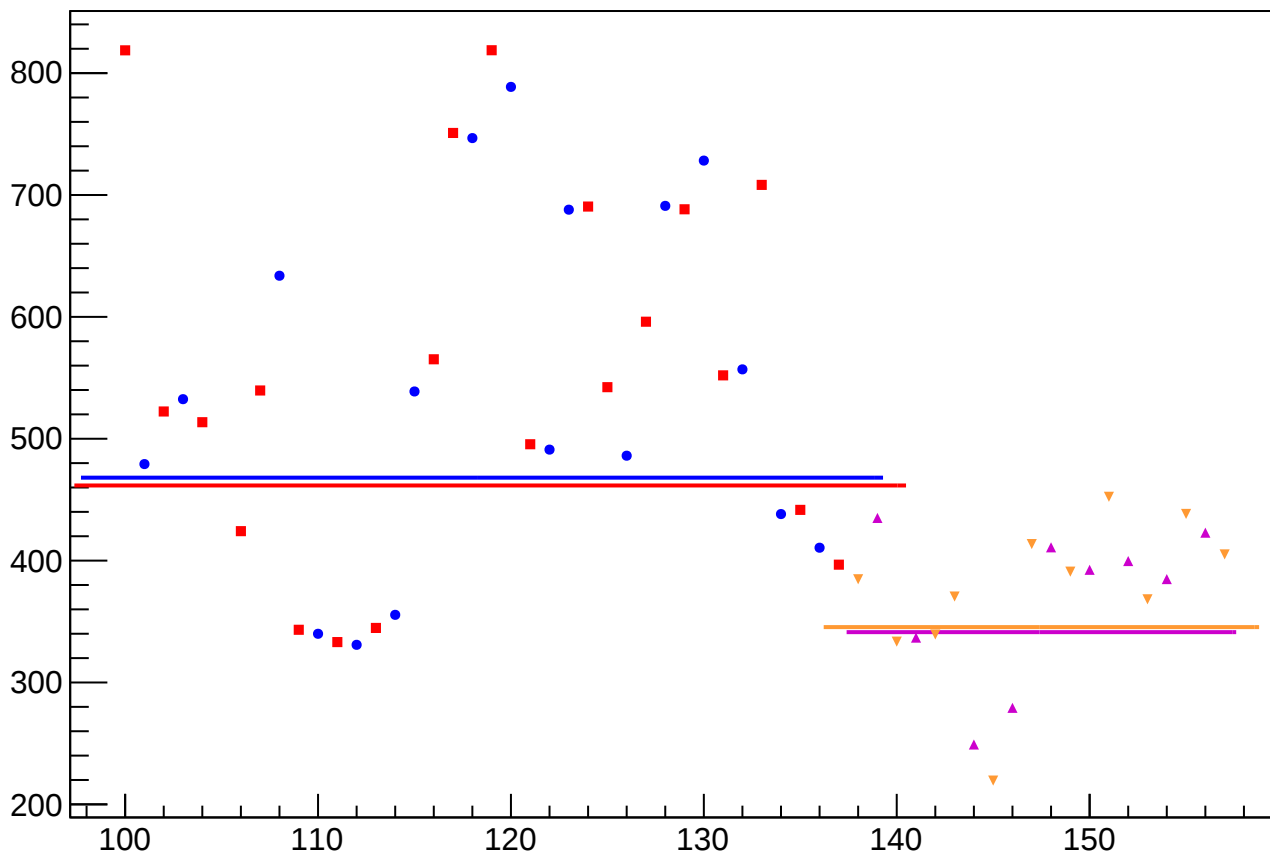
Left In: 138.514 $\pm$ 128.927 χ^2 /NDF: 12.4/8

306.492 $\pm$ 103.967 χ^2 /NDF: 51.3/27

141.015 $\pm$ 73.755 χ^2 /NDF: 86.8/56

-26.636 $\pm$ 104.647 χ^2 /NDF: 30.4/28

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: 345.445 $\pm$ 0.088 χ^2 /NDF: 781306.5/10

Right Out: 461.656 $\pm$ 0.127 χ^2 /NDF: 967939.5/19

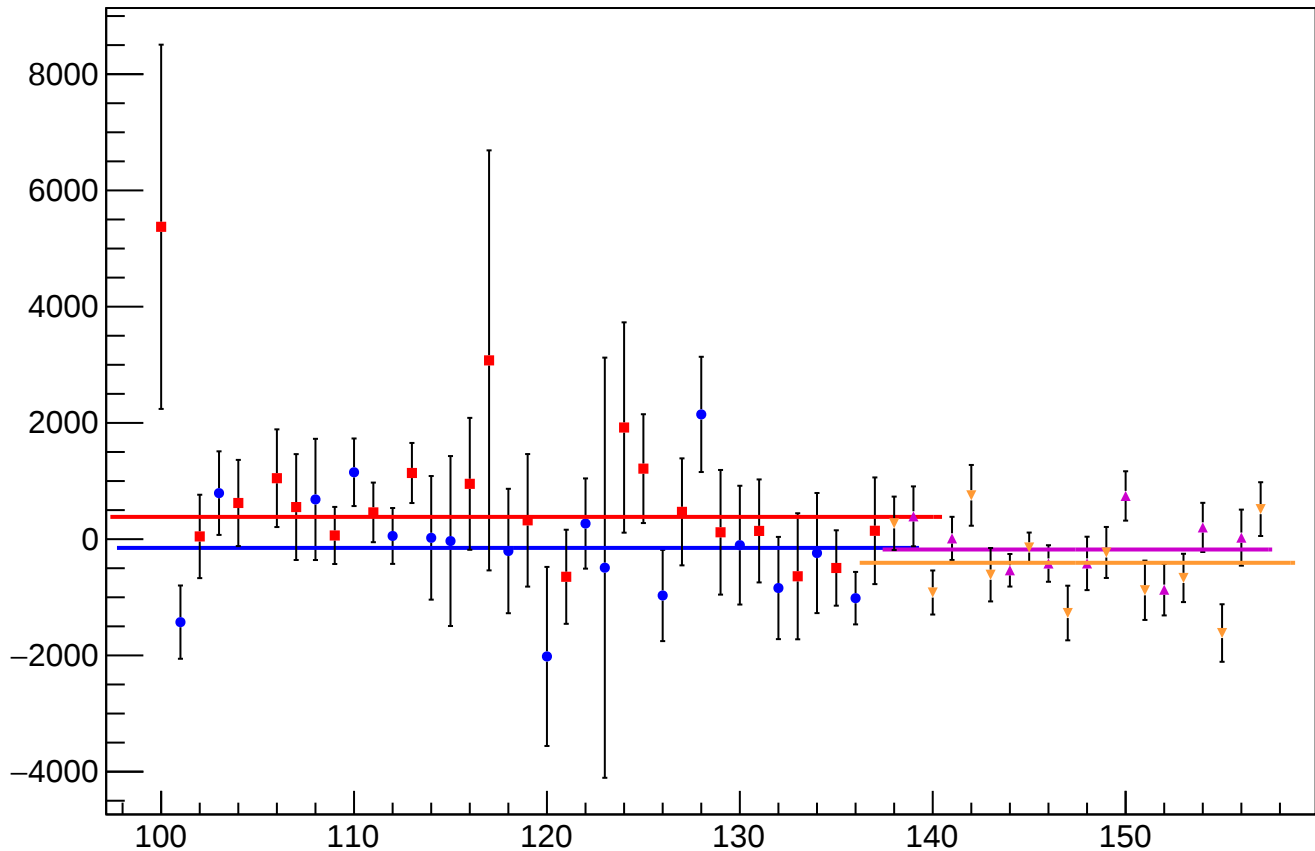
Left In: 341.308 $\pm$ 0.091 χ^2 /NDF: 559738.7/8

382.726 $\pm$ 0.074 χ^2 /NDF: 2250340.1/27

382.548 $\pm$ 0.052 χ^2 /NDF: 4372593.1/56

382.367 $\pm$ 0.074 χ^2 /NDF: 2122241.2/28

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -150.305+/-189.729 χ^2/NDF : 24.2/16

Left Out: -406.584+/-125.638 χ^2/NDF : 24.9/10

Right Out: 383.331+/-181.030 χ^2/NDF : 13.0/19

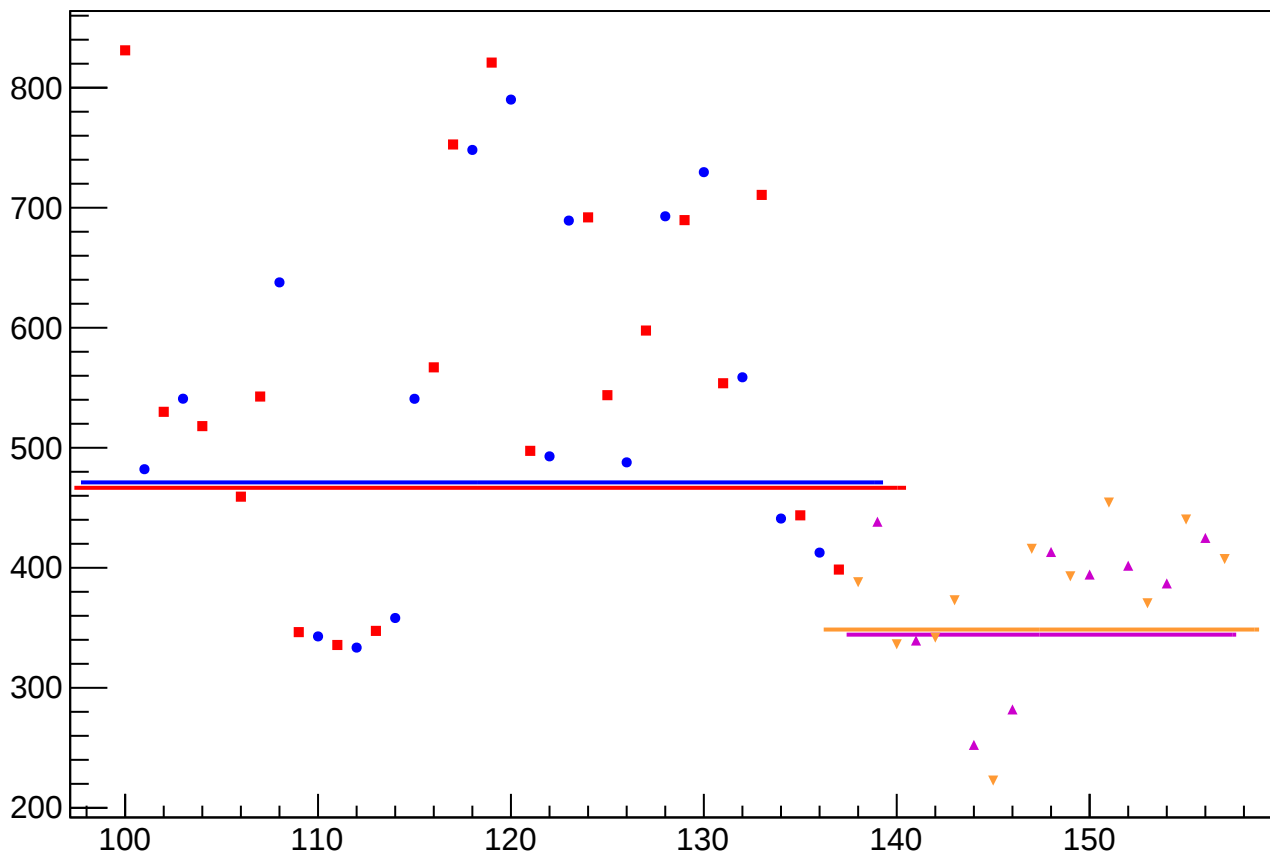
Left In: -177.893+/-129.968 χ^2/NDF : 12.1/8

-328.461+/-104.753 χ^2/NDF : 50.4/27

-159.072+/-74.361 χ^2/NDF : 87.1/56

12.992+/-105.577 χ^2/NDF : 31.4/28

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 471.156 $\pm$ 0.134 χ^2 /NDF: 871832.5/16

Left Out: 348.560 $\pm$ 0.089 χ^2 /NDF: 756399.4/10

Right Out: 466.655 $\pm$ 0.128 χ^2 /NDF: 953088.6/19

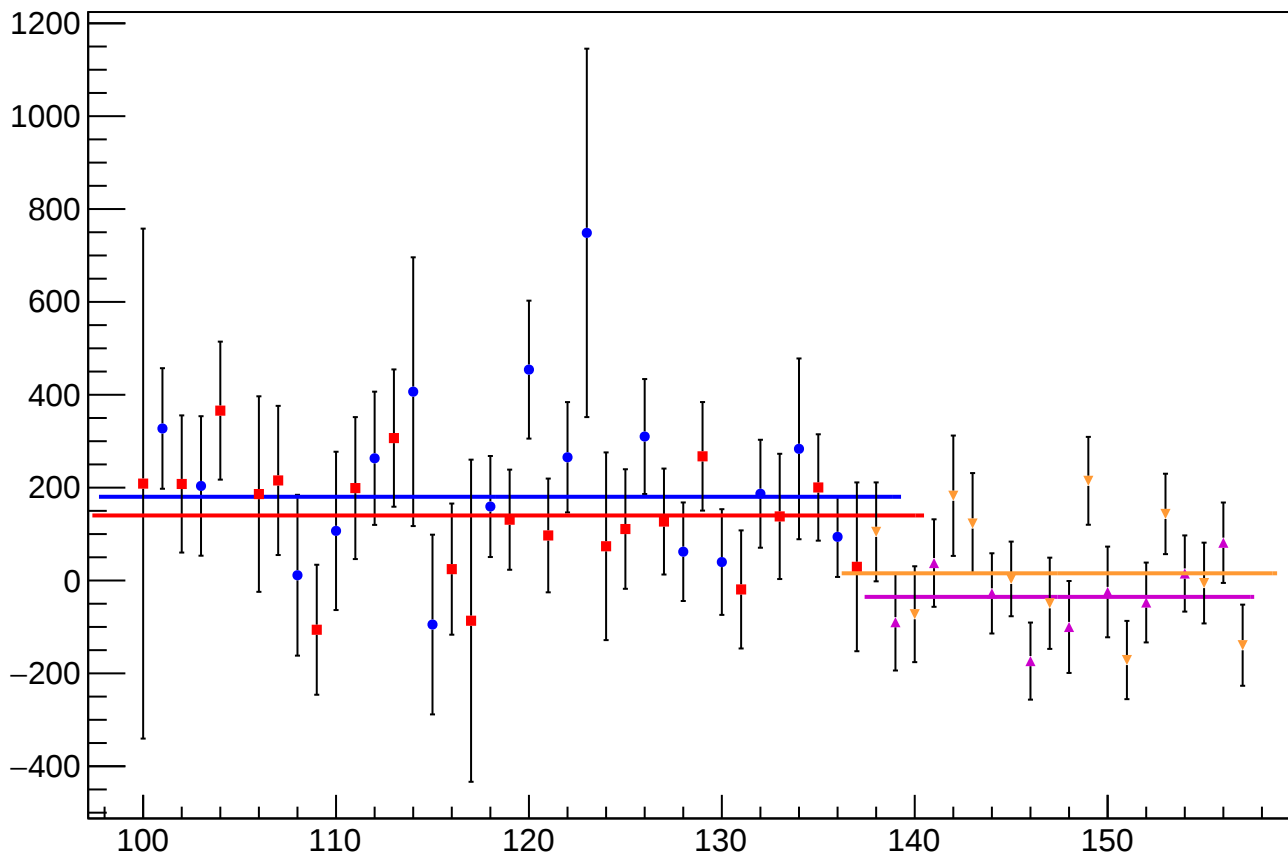
Left In: 344.301 $\pm$ 0.092 χ^2 /NDF: 543690.5/8

385.931 $\pm$ 0.074 χ^2 /NDF: 2208739.7/27

385.924 $\pm$ 0.053 χ^2 /NDF: 4308393.4/56

385.917 $\pm$ 0.075 χ^2 /NDF: 2099653.7/28

reg_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 180.326 ± 32.769 $\chi^2/\text{NDF}: 16.6/16$

Left Out: 15.520 ± 28.473 $\chi^2/\text{NDF}: 19.2/10$

Right Out: 140.070 ± 32.198 $\chi^2/\text{NDF}: 12.1/19$

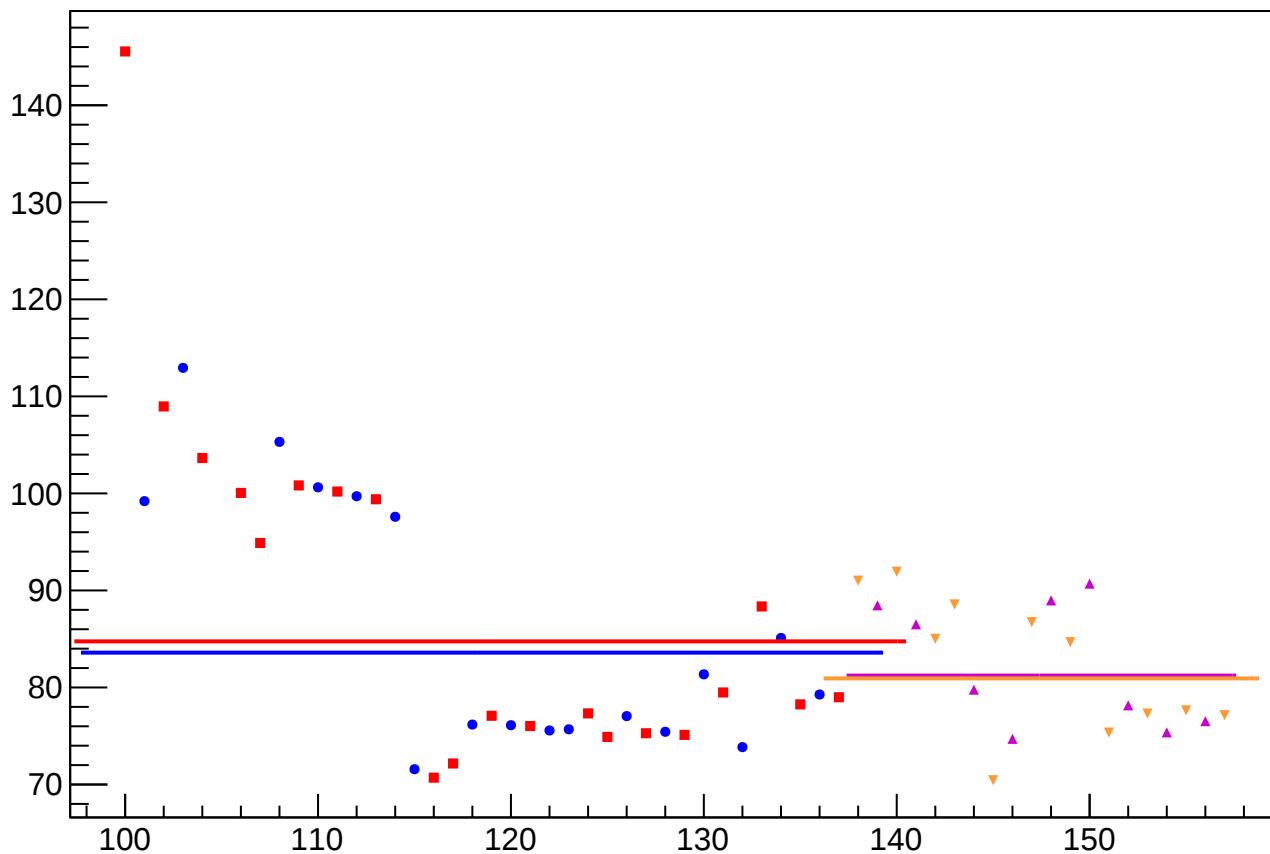
Left In: -35.253 ± 30.038 $\chi^2/\text{NDF}: 6.3/8$

86.418 ± 21.493 $\chi^2/\text{NDF}: 50.2/27$

66.810 ± 15.362 $\chi^2/\text{NDF}: 86.2/56$

46.332 ± 21.964 $\chi^2/\text{NDF}: 34.3/28$

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 83.591 $\pm$ 0.023 χ^2 /NDF: 255921.7/16

Left Out: 80.934 $\pm$ 0.020 χ^2 /NDF:115526.8/10

Right Out: 84.752 $\pm$ 0.023 χ^2 /NDF: 293262.6/19

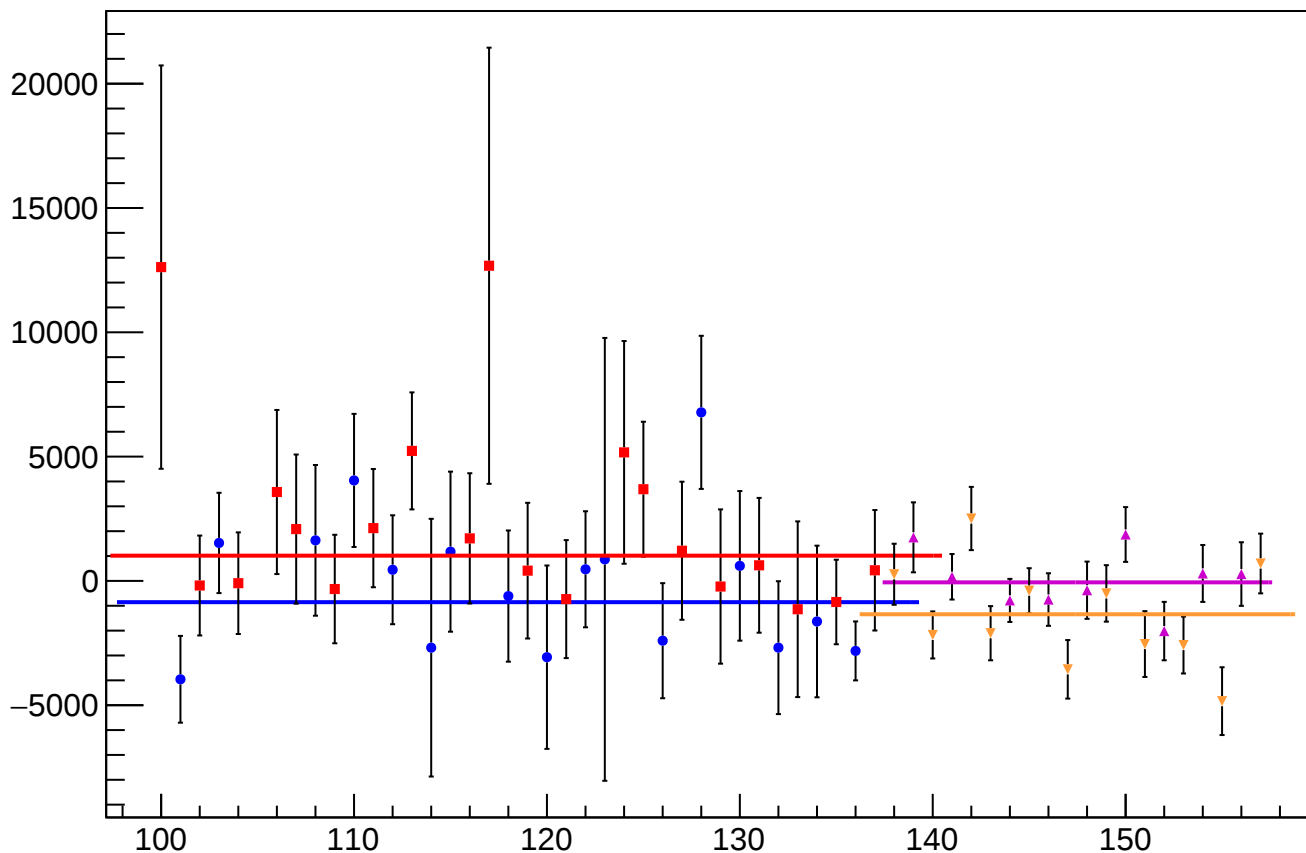
Left In: 81.224 $\pm$ 0.021 χ^2 /NDF:78573.1/8

82.077 $\pm$ 0.015 χ^2 /NDF: 378936.6/27

82.463 $\pm$ 0.011 χ^2 /NDF: 764922.2/56

82.866 $\pm$ 0.016 χ^2 /NDF: 384668.5/28

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: -1341.692 ± 342.429 $\chi^2/\text{NDF}: 28.8/10$

Right Out: 1015.523 ± 587.747 $\chi^2/\text{NDF}: 13.3/19$

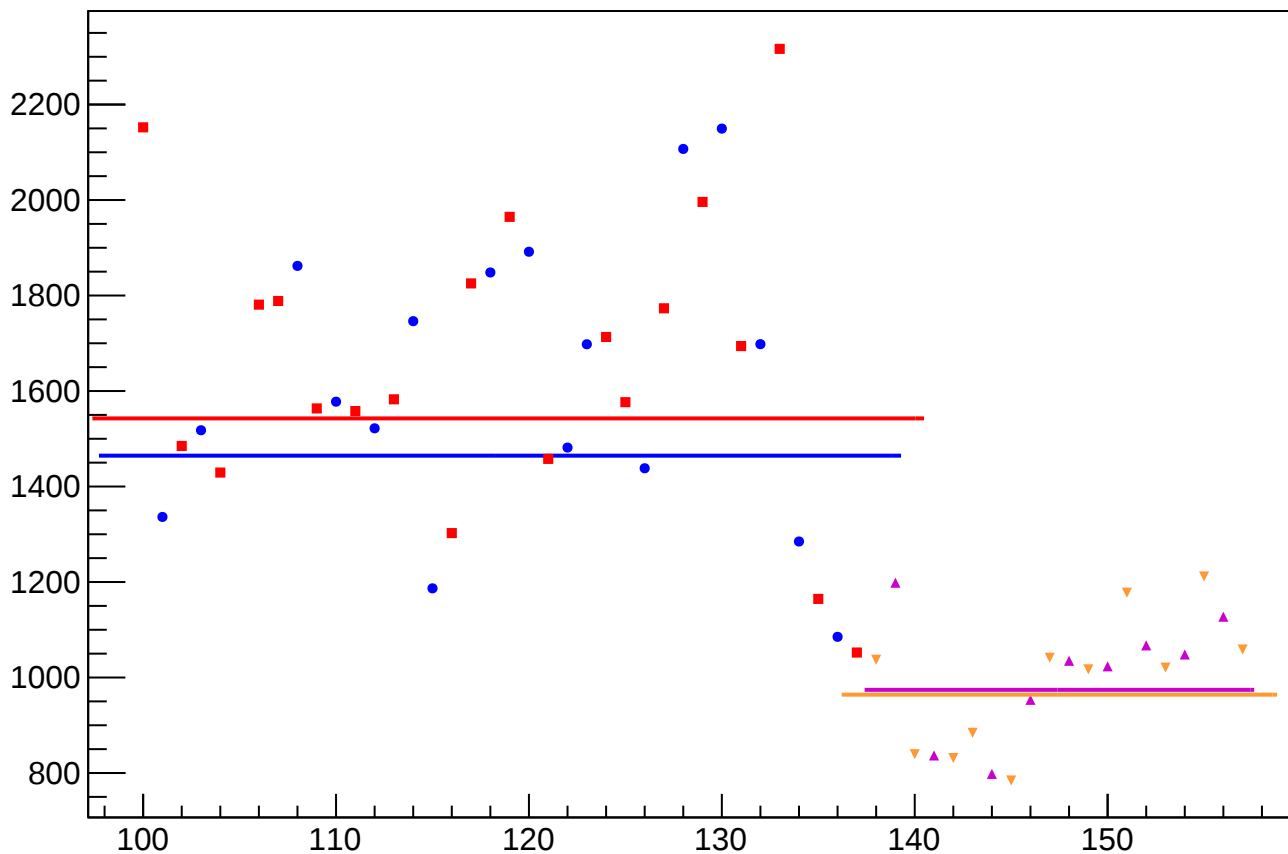
Left In: -58.121 ± 362.708 $\chi^2/\text{NDF}: 8.9/8$

-1217.028 ± 295.302 $\chi^2/\text{NDF}: 49.6/27$

-521.695 ± 213.378 $\chi^2/\text{NDF}: 85.8/56$

237.989 ± 308.665 $\chi^2/\text{NDF}: 24.6/28$

asym_sam_24_68_dd_correction_rms vs Slug, Sign Corrected



Right In: 1464.636 $\pm$ 0.412 χ^2 /NDF: 560863.4/16

Left Out: 964.121 $\pm$ 0.242 χ^2 /NDF: 301917.9/10

Right Out: 1542.663 $\pm$ 0.416 χ^2 /NDF: 455797.2/19

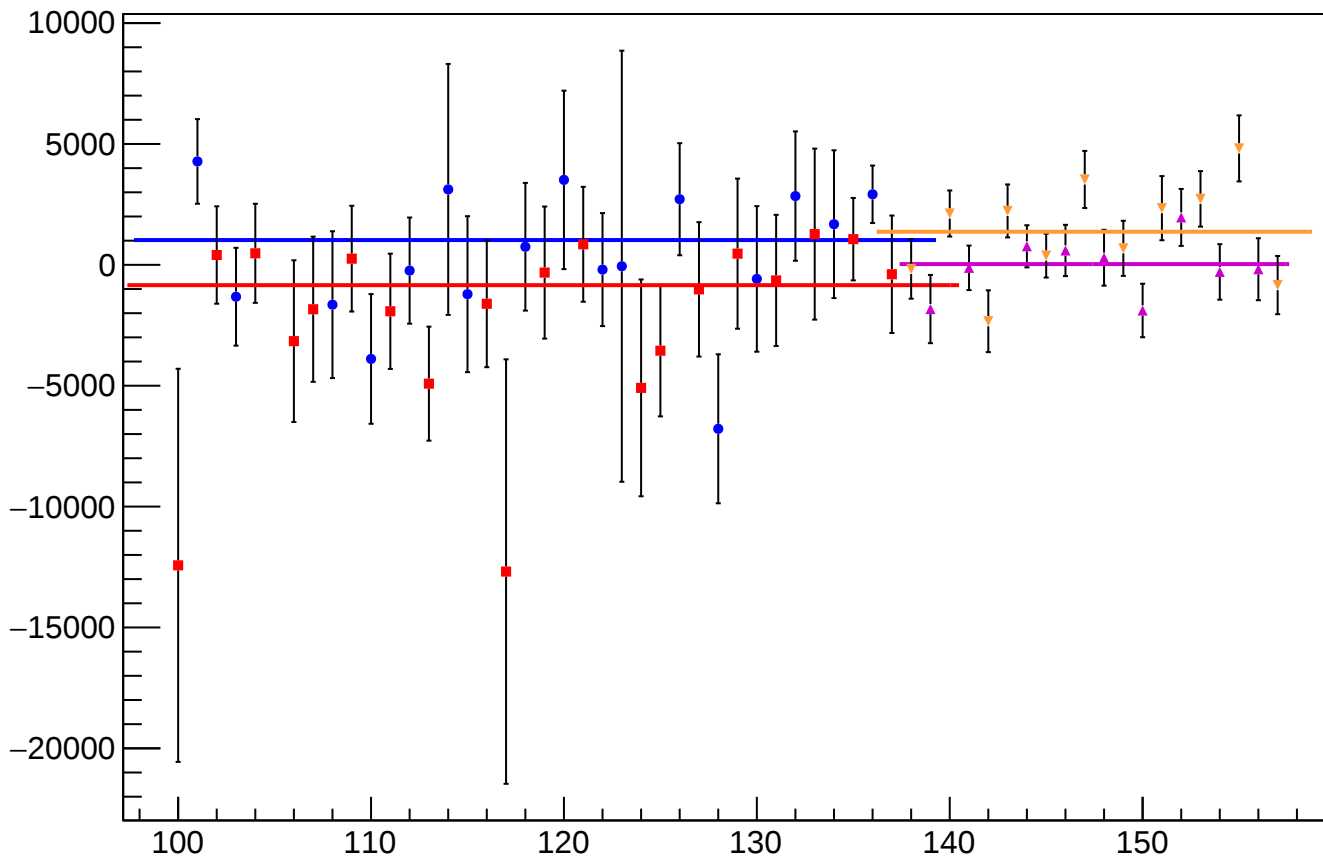
Left In: 974.229 $\pm$ 0.256 χ^2 /NDF: 238376.2/8

1092.408 $\pm$ 0.209 χ^2 /NDF: 1957963.9/27

1110.852 $\pm$ 0.151 χ^2 /NDF: 4023240.4/56

1131.003 $\pm$ 0.218 χ^2 /NDF: 2048950.2/28

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1025.527 $\pm$ 584.500 χ^2 /NDF: 20.9/16

Left Out: 1370.000 $\pm$ 343.795 χ^2 /NDF: 27.7/10

Right Out: -840.586 $\pm$ 589.057 χ^2 /NDF: 13.0/19

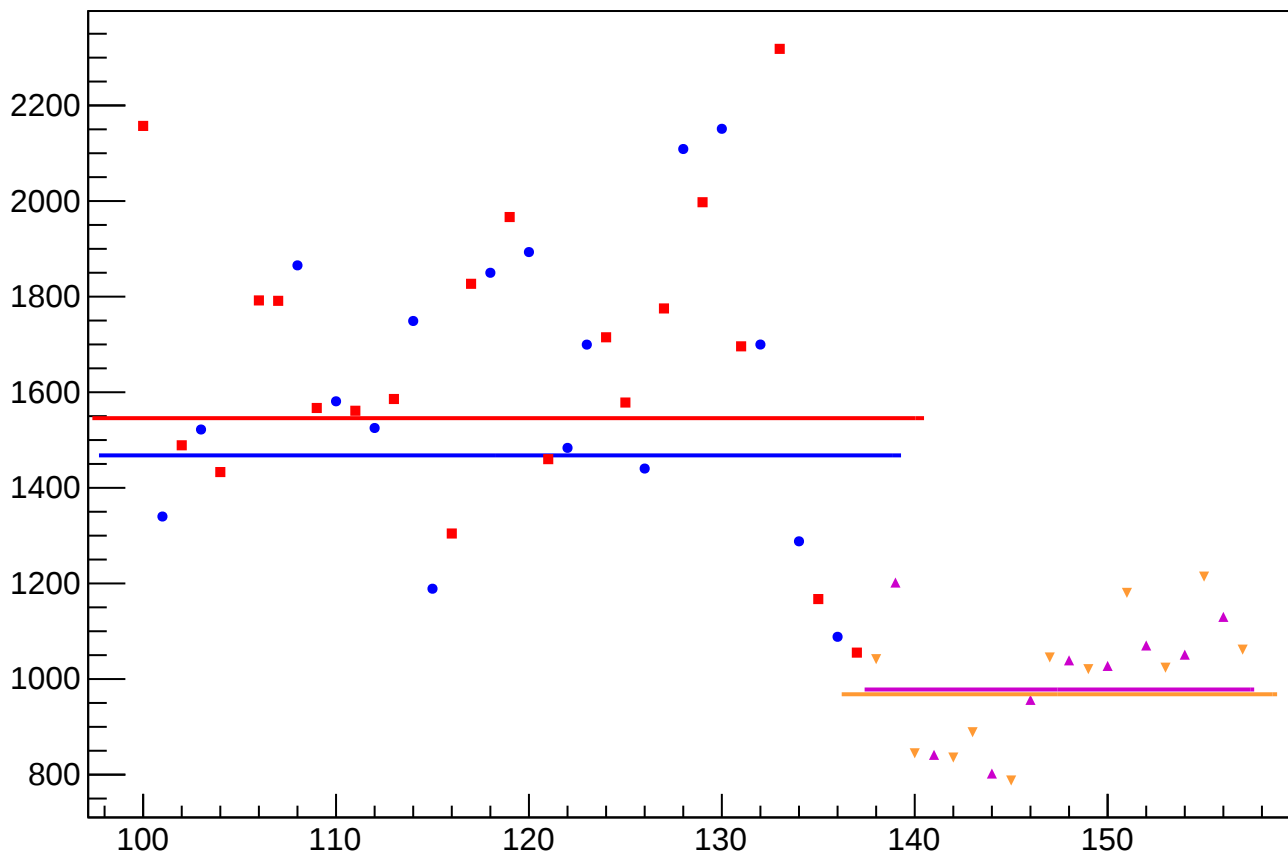
Left In: 30.982 $\pm$ 364.102 χ^2 /NDF: 8.6/8

1281.457 $\pm$ 296.335 χ^2 /NDF: 48.9/27

568.657 $\pm$ 214.114 χ^2 /NDF: 84.3/56

-209.957 $\pm$ 309.713 χ^2 /NDF: 23.2/28

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1467.905 $\pm$ 0.413 χ^2/NDF : 557458.9/16

Left Out: 968.166 $\pm$ 0.243 χ^2/NDF : 297332.3/10

Right Out: 1545.785 $\pm$ 0.417 χ^2/NDF : 453865.6/19

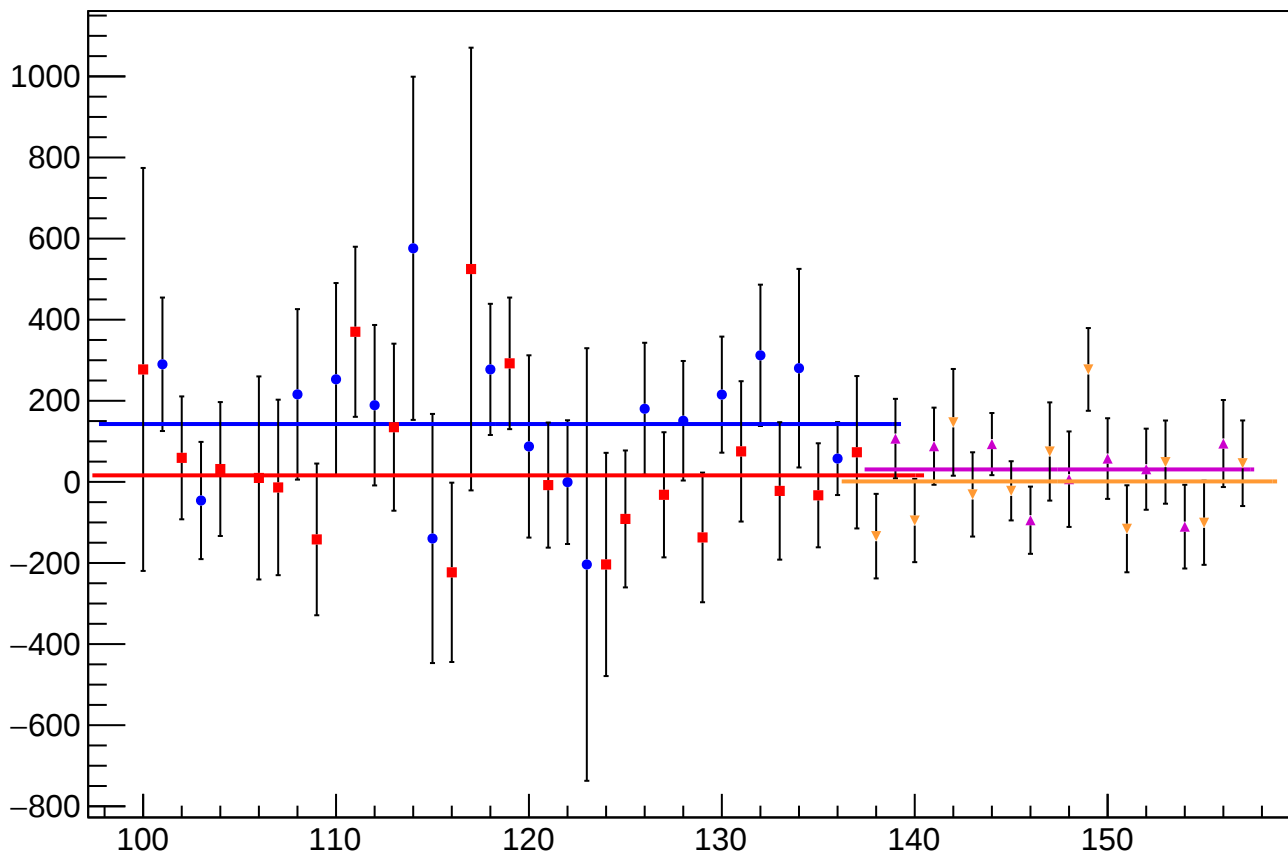
Left In: 978.135 $\pm$ 0.257 χ^2/NDF : 234623.7/8

1096.618 $\pm$ 0.210 χ^2/NDF : 1941003.2/27

1114.990 $\pm$ 0.151 χ^2/NDF : 3989420.2/56

1135.058 $\pm$ 0.219 χ^2/NDF : 2032333.3/28

reg_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 142.683 $\pm$ 41.625 χ^2 /NDF: 9.3/16

Left Out: 1.171 $\pm$ 30.805 χ^2 /NDF:14.2/10

Right Out: 16.103 $\pm$ 41.277 χ^2 /NDF: 11.7/19

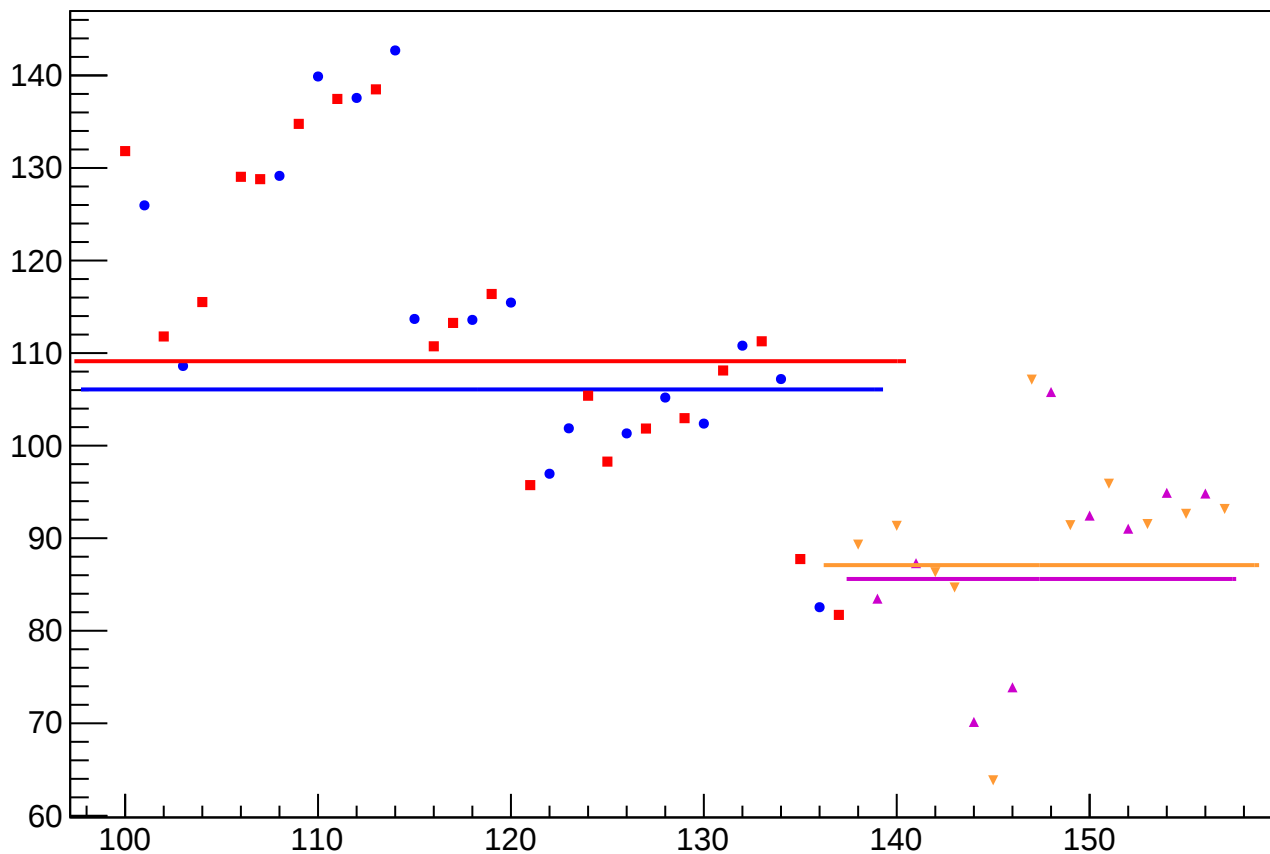
Left In: 30.731 $\pm$ 31.876 χ^2 /NDF:6.2/8

51.249 $\pm$ 24.762 χ^2 /NDF: 31.0/27

38.501 $\pm$ 17.672 χ^2 /NDF: 49.6/56

25.267 $\pm$ 25.229 χ^2 /NDF: 18.0/28

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 106.074 ± 0.029 χ^2/NDF : 317907.9/16

Left Out: 87.090 ± 0.022 χ^2/NDF : 296315.1/10

Right Out: 109.124 ± 0.029 χ^2/NDF : 285510.2/19

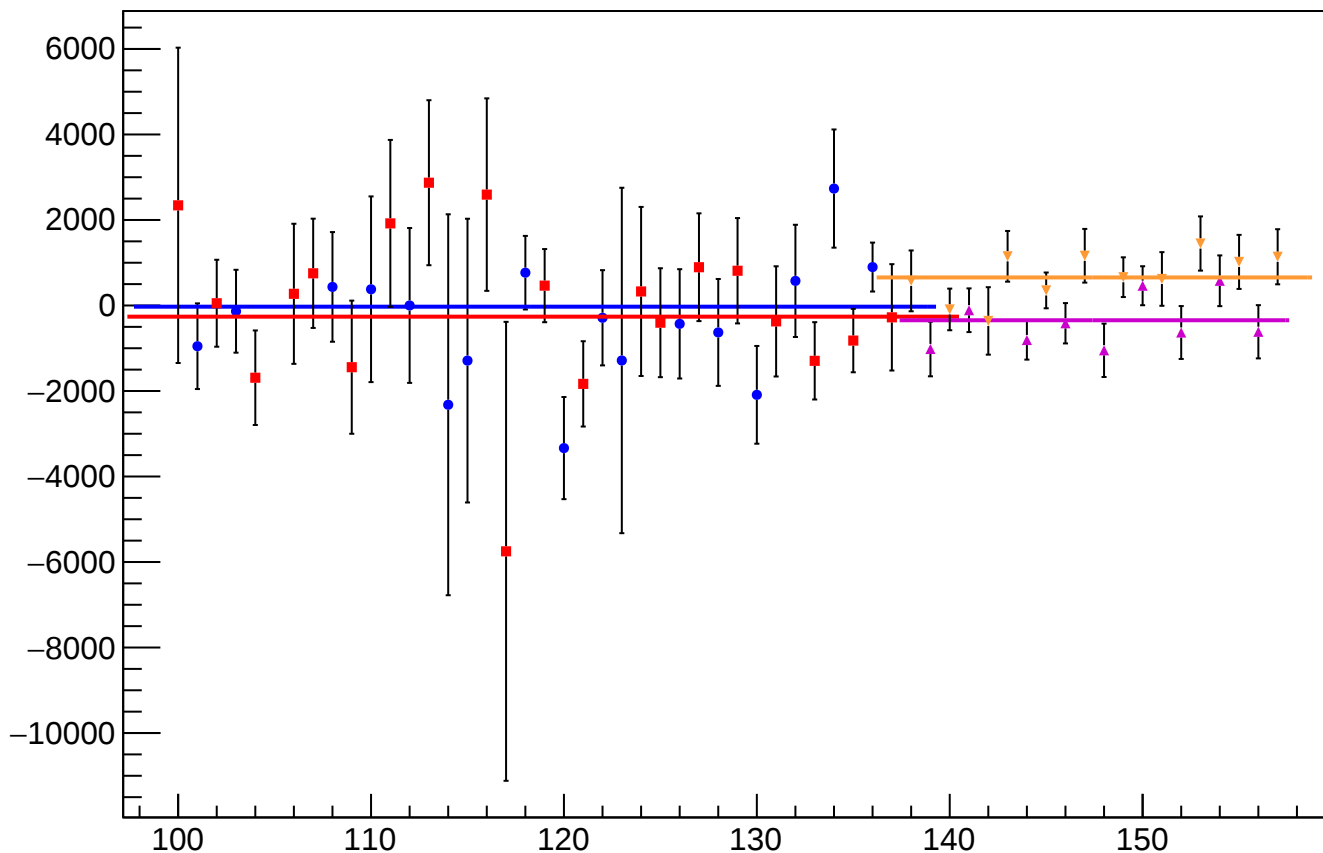
Left In: 85.596 ± 0.023 χ^2/NDF : 228033.5/8

93.808 ± 0.018 χ^2/NDF : 882991.3/27

94.091 ± 0.012 χ^2/NDF : 1804129.7/56

94.385 ± 0.018 χ^2/NDF : 920605.2/28

asym_sam_26_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -27.969 $\pm$ 283.741 χ^2/NDF : 20.5/16

Left Out: 655.822 $\pm$ 172.862 χ^2/NDF : 8.4/10

Right Out: -261.265 $\pm$ 279.073 χ^2/NDF : 16.9/19

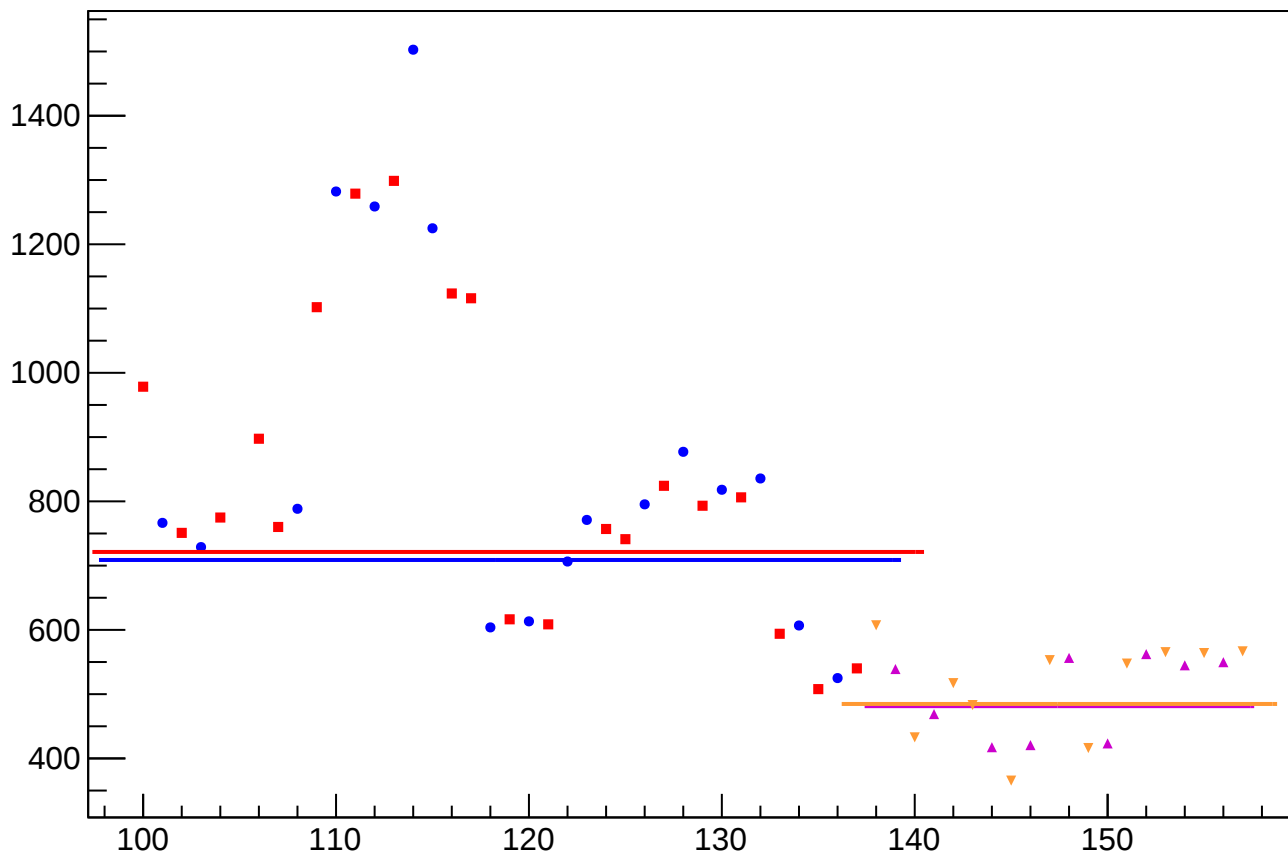
Left In: -345.450 $\pm$ 179.781 χ^2/NDF : 9.6/8

470.728 $\pm$ 147.624 χ^2/NDF : 33.1/27

84.285 $\pm$ 105.605 χ^2/NDF : 73.7/56

-320.759 $\pm$ 151.135 χ^2/NDF : 26.5/28

asym_sam_26_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 708.784 $\pm$ 0.201 χ^2 /NDF: 793538.1/16

Left Out: 484.737 $\pm$ 0.122 χ^2 /NDF: 431047.3/10

Right Out: 721.271 $\pm$ 0.197 χ^2 /NDF: 910781.0/19

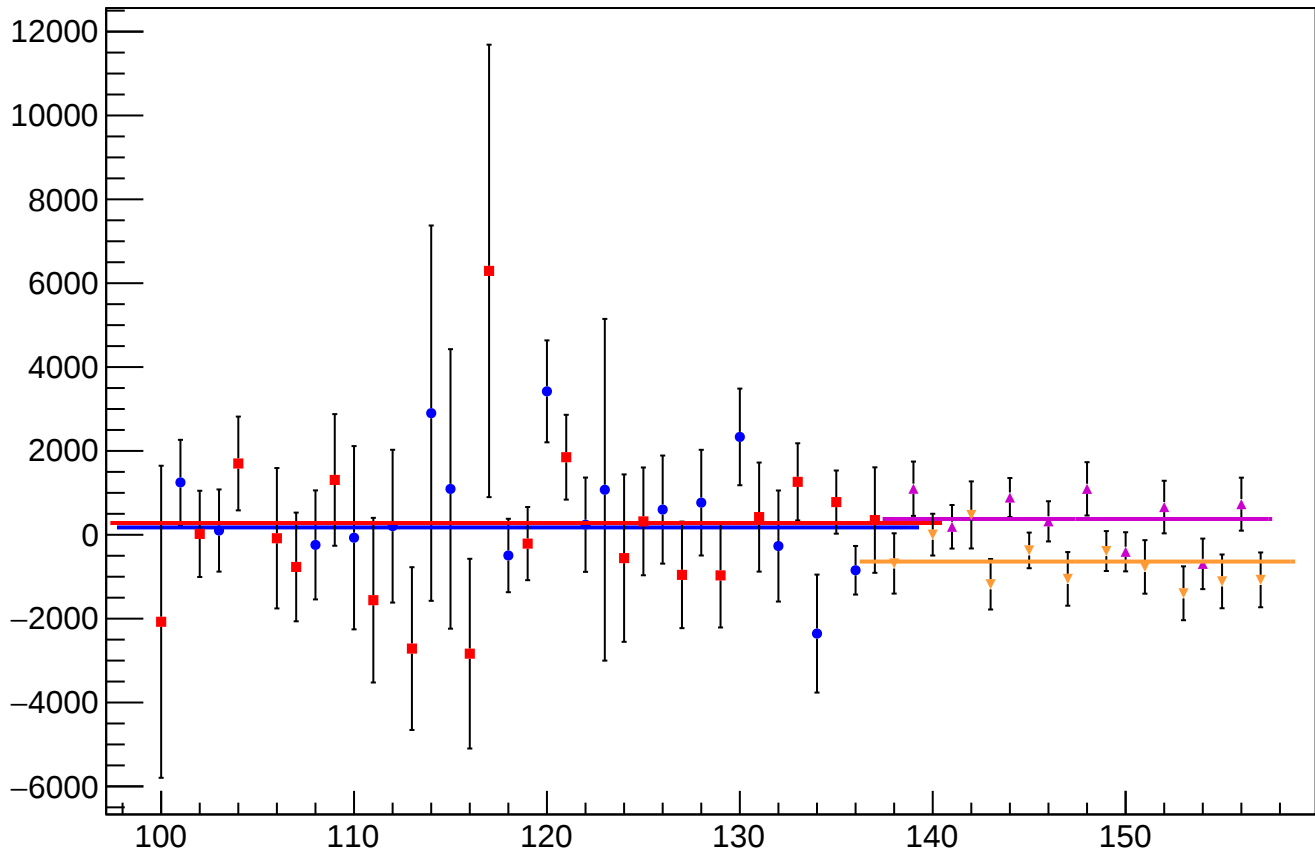
Left In: 481.335 $\pm$ 0.127 χ^2 /NDF: 232028.1/8

545.384 $\pm$ 0.104 χ^2 /NDF: 2134033.7/27

548.470 $\pm$ 0.075 χ^2 /NDF: 4323423.8/56

551.705 $\pm$ 0.107 χ^2 /NDF: 2187599.5/28

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: -638.552 $\pm$ 175.821 χ^2/NDF : 7.9/10

Right Out: 281.173 $\pm$ 282.685 χ^2/NDF : 16.1/19

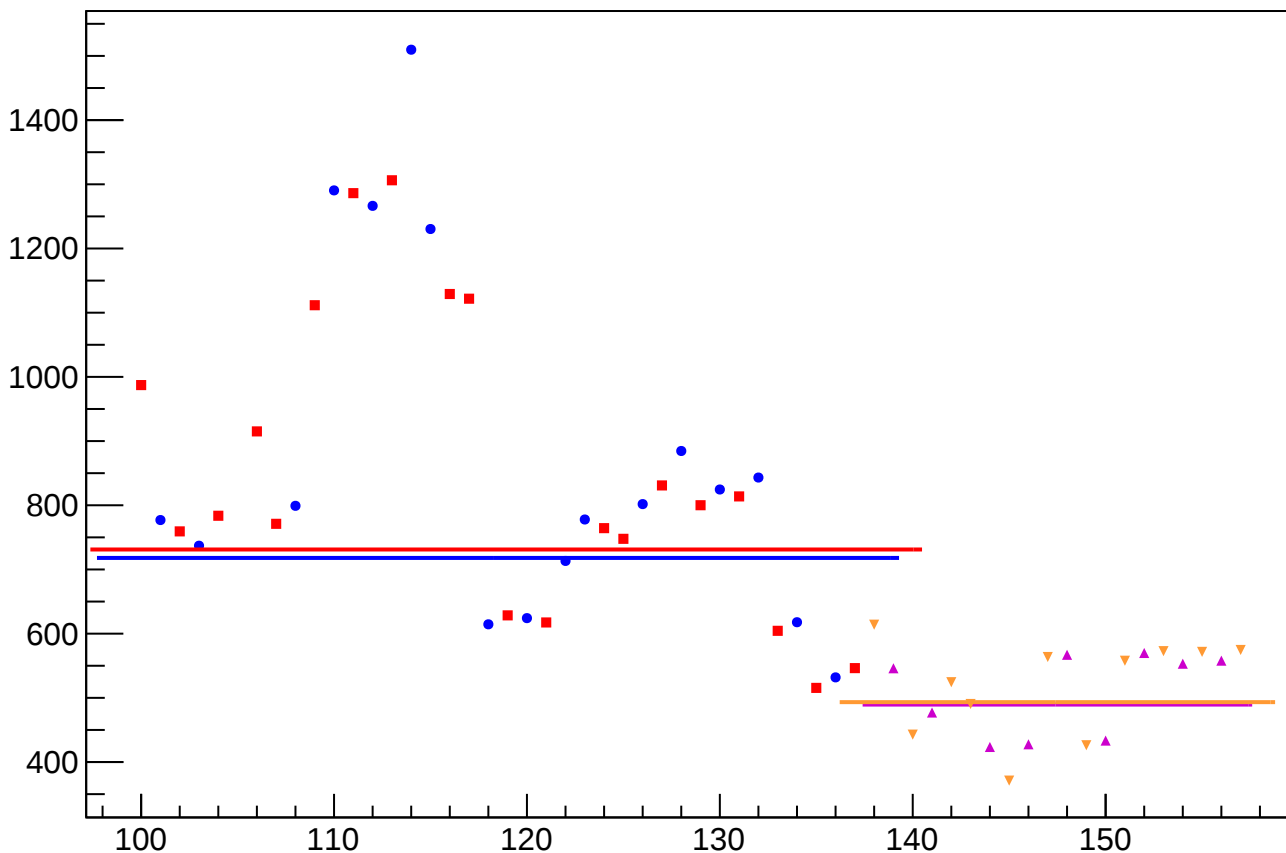
Left In: 377.048 $\pm$ 182.778 χ^2/NDF : 10.4/8

-416.558 $\pm$ 149.955 χ^2/NDF : 33.5/27

-42.797 $\pm$ 107.262 χ^2/NDF : 72.7/56

348.783 $\pm$ 153.488 χ^2/NDF : 26.5/28

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: 493.314 $\pm$ 0.124 χ^2 /NDF: 421388.3/10

Right Out: 731.116 $\pm$ 0.200 χ^2 /NDF: 892357.6/19

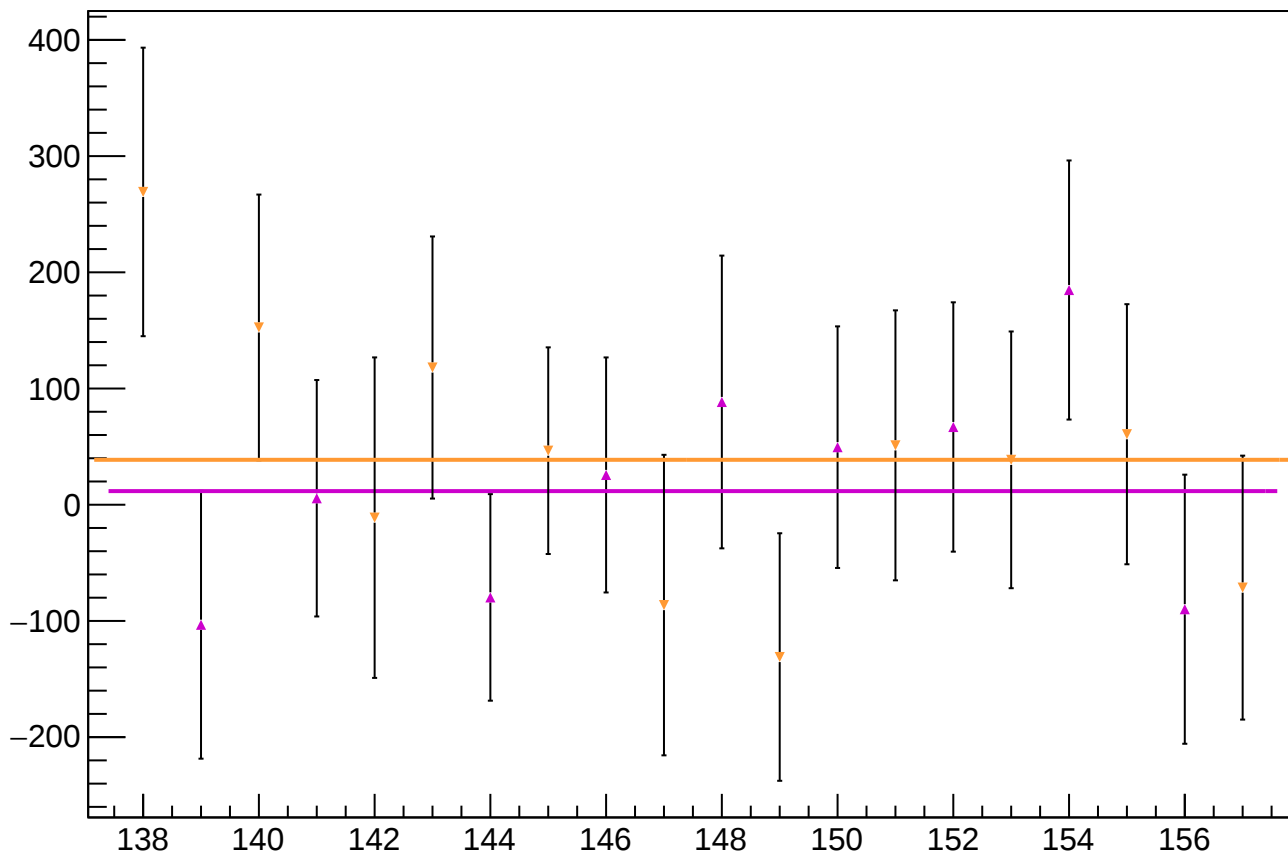
Left In: 489.524 $\pm$ 0.129 χ^2 /NDF: 227404.4/8

554.552 $\pm$ 0.106 χ^2 /NDF: 2090069.0/27

557.578 $\pm$ 0.076 χ^2 /NDF: 4241633.1/56

560.748 $\pm$ 0.109 χ^2 /NDF: 2149896.8/28

reg_asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 38.663+/-34.090 χ^2/NDF : 9.5/10

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

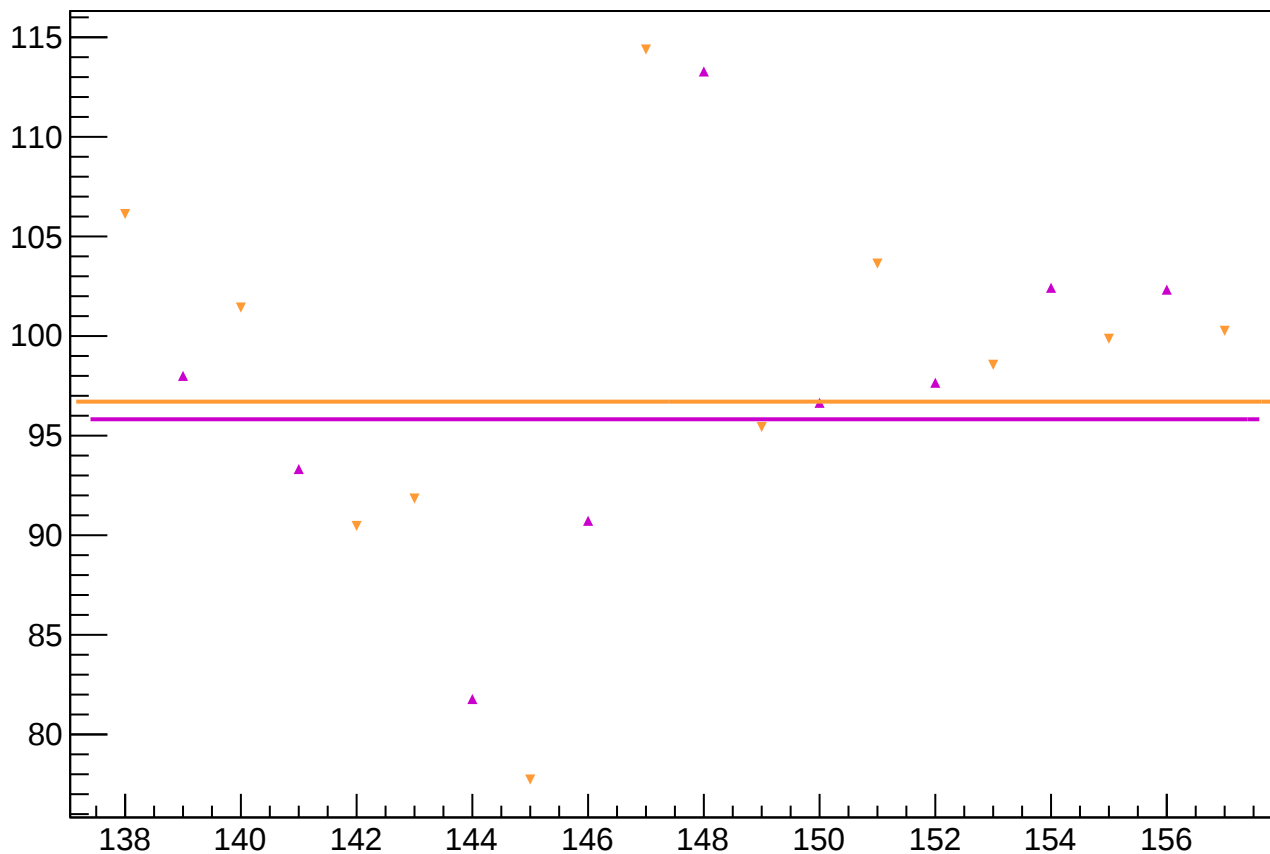
Left In: 11.722+/-35.494 χ^2/NDF : 6.0/8

38.663+/-34.090 χ^2/NDF : 9.5/10

25.736+/-24.587 χ^2/NDF : 15.9/19

11.722+/-35.494 χ^2/NDF : 6.0/8

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 96.707 $\pm$ 0.024 χ^2/NDF :162699.9/10

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

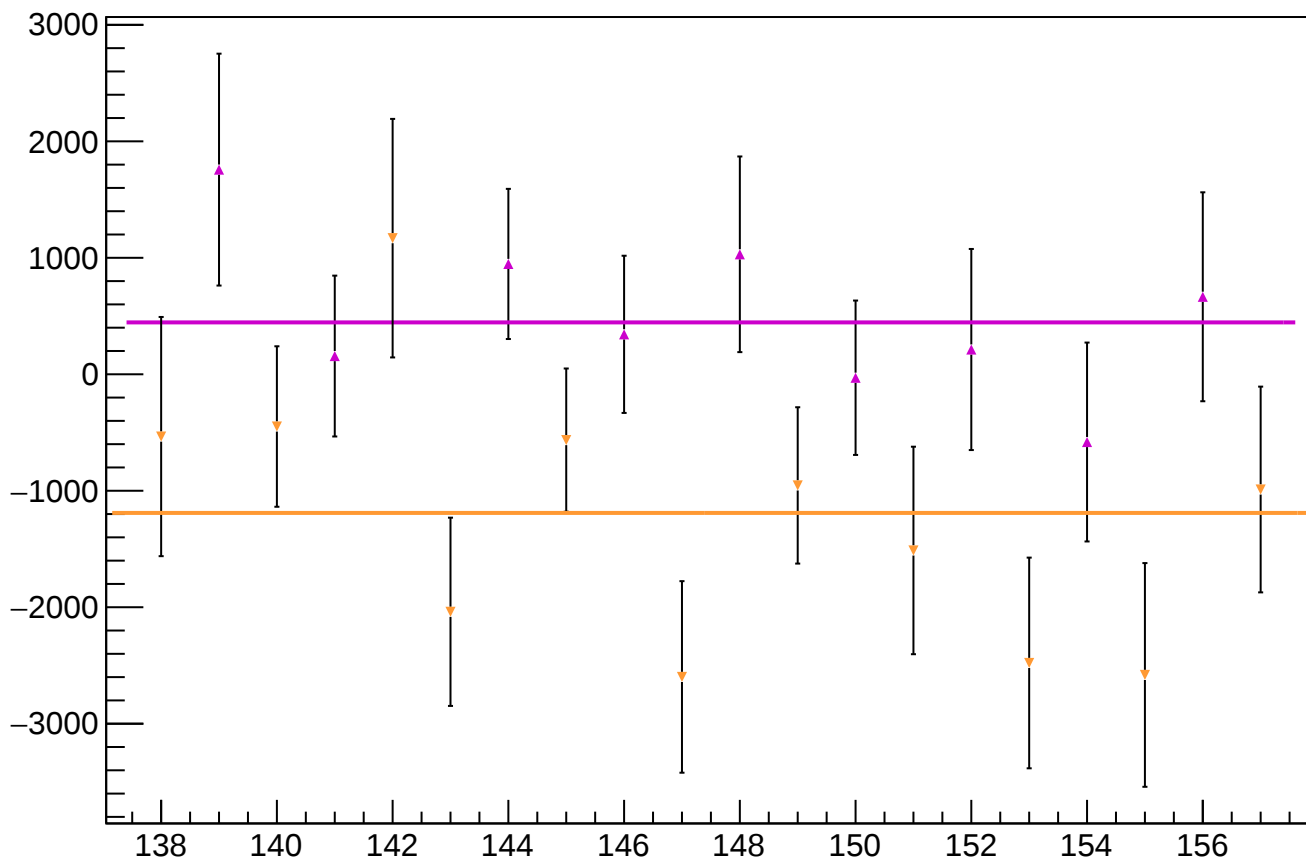
Left In: 95.822 $\pm$ 0.025 χ^2/NDF :109402.1/8

96.707 $\pm$ 0.024 χ^2/NDF : 162699.9/10

96.282 $\pm$ 0.017 χ^2/NDF : 272749.8/19

95.822 $\pm$ 0.025 χ^2/NDF : 109402.1/8

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1190.316+/-244.451 χ^2/NDF : 16.4/10

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

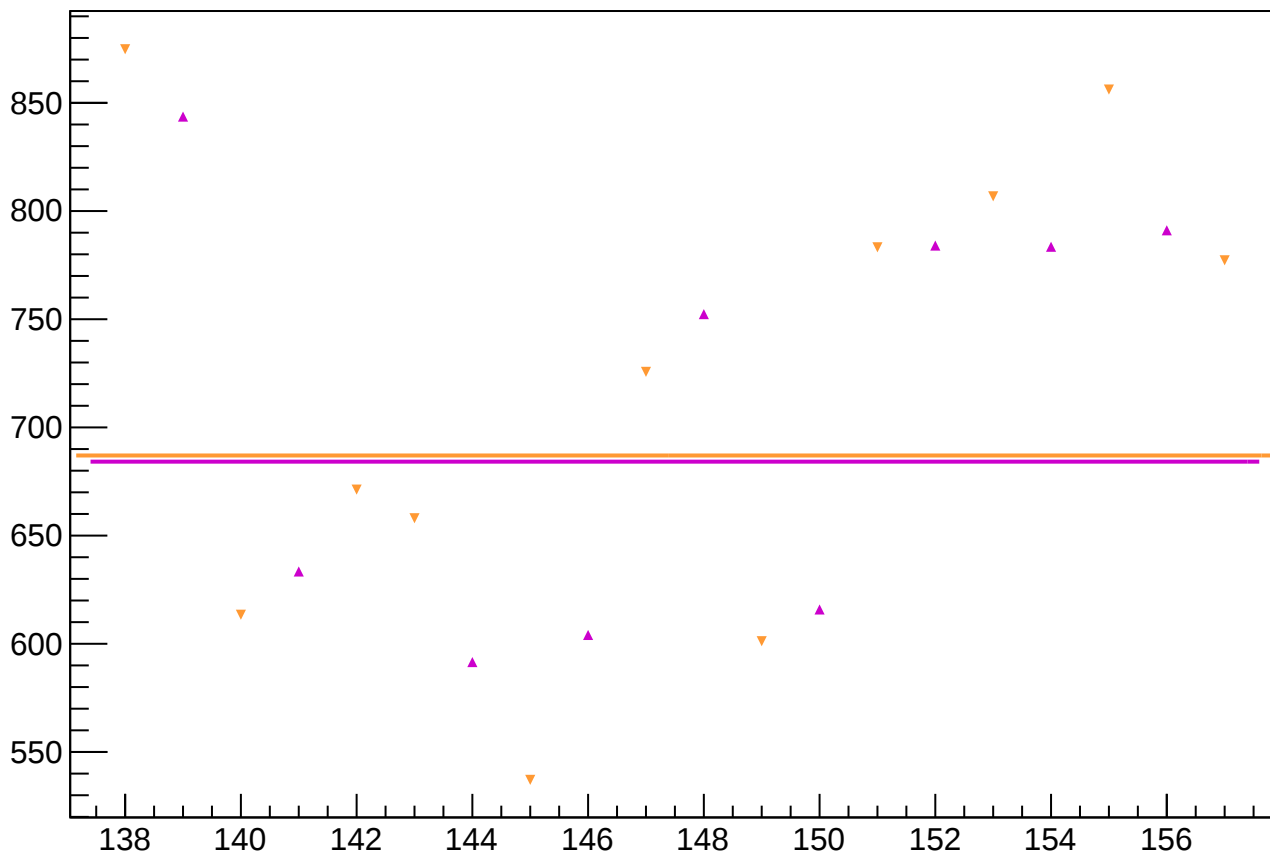
Left In: 445.431+/-255.149 χ^2/NDF : 5.1/8

-1190.316+/-244.451 χ^2/NDF : 16.4/10

-407.454+/-176.514 χ^2/NDF : 42.9/19

445.431+/-255.149 χ^2/NDF : 5.1/8

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 687.029+/-0.173 χ^2/NDF : 390148.5/10

687.029+/-0.173 χ^2/NDF : 390148.5/10

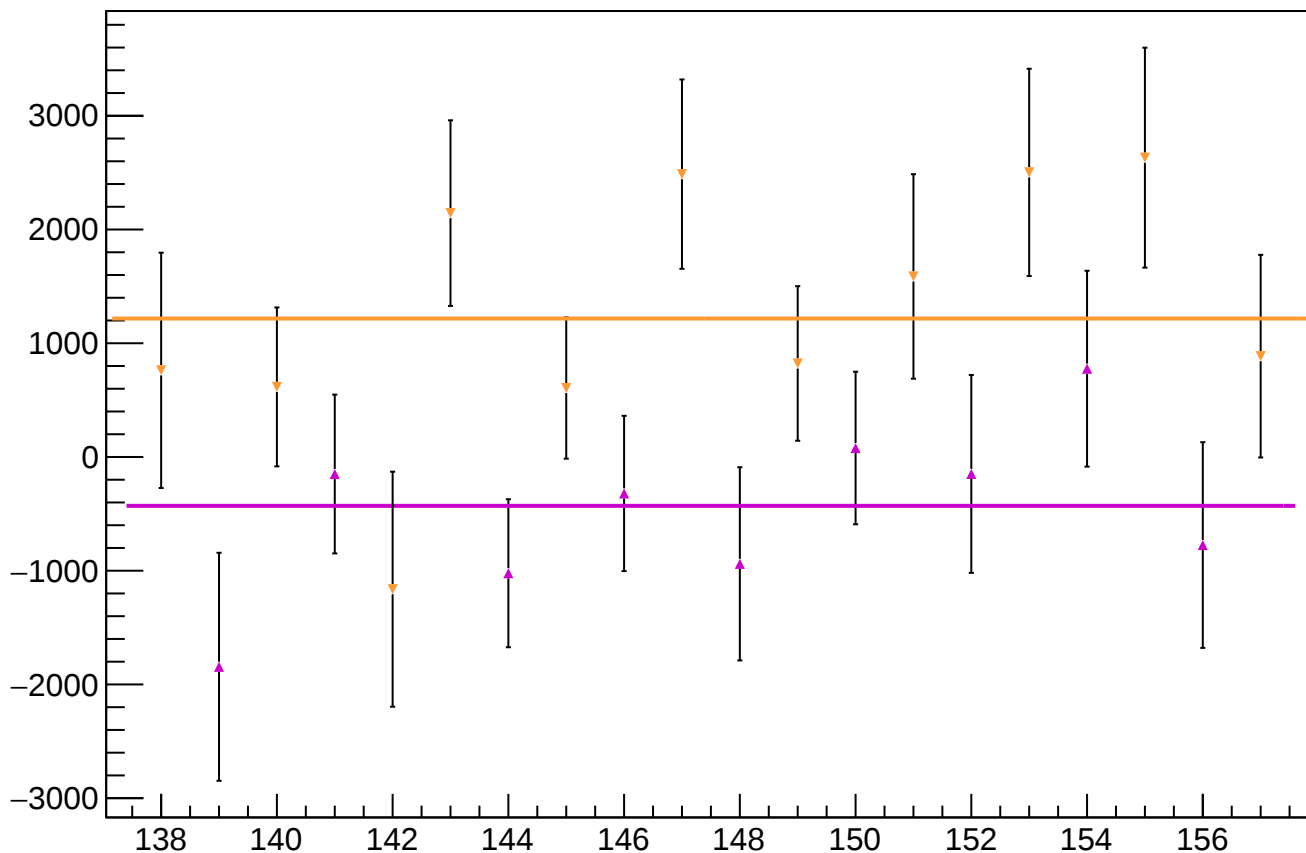
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

685.663+/-0.125 χ^2/NDF : 638591.9/19

Left In: 684.174+/-0.180 χ^2/NDF : 248312.8/8

684.174+/-0.180 χ^2/NDF : 248312.8/8

asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 1217.272+/-246.988 χ^2/NDF : 15.6/10

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

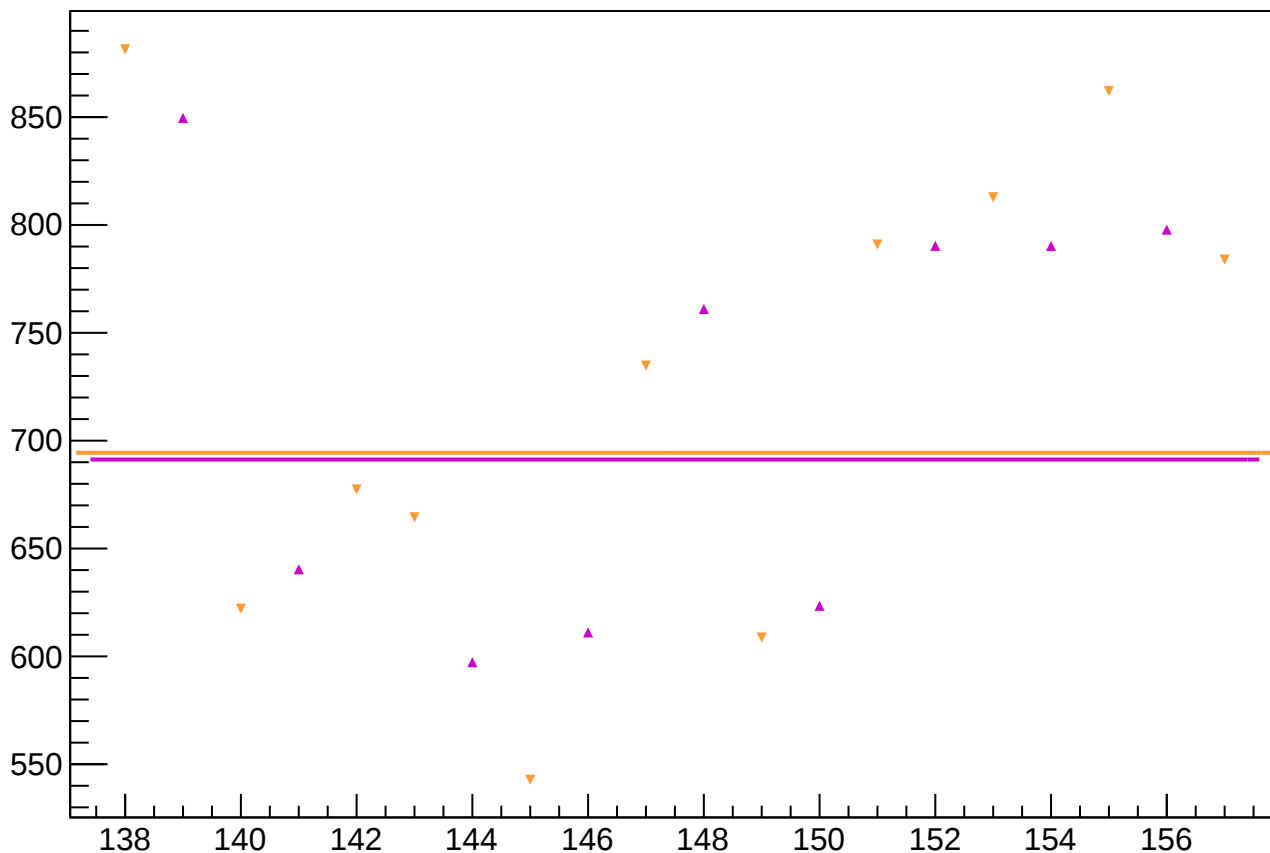
Left In: -429.635+/-257.734 χ^2/NDF : 6.2/8

1217.272+/-246.988 χ^2/NDF : 15.6/10

428.869+/-178.325 χ^2/NDF : 43.0/19

-429.635+/-257.734 χ^2/NDF : 6.2/8

asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 694.383+/-0.175 χ^2/NDF : 382959.9/10

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

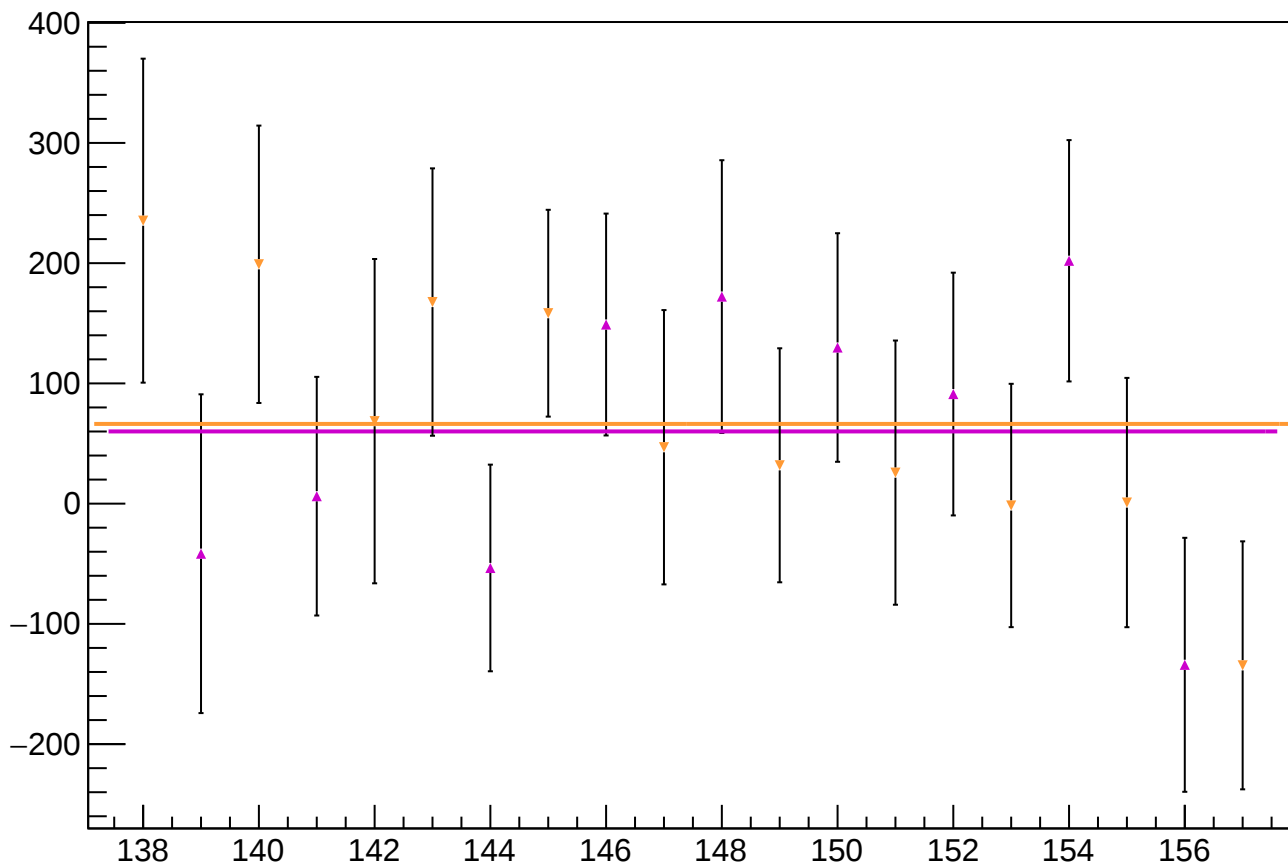
Left In: 691.269+/-0.182 χ^2/NDF : 243908.4/8

694.383+/-0.175 χ^2/NDF : 382959.9/10

692.892+/-0.126 χ^2/NDF : 627020.4/19

691.269+/-0.182 χ^2/NDF : 243908.4/8

reg_asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 66.301+/-32.421 χ^2/NDF : 9.8/10

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

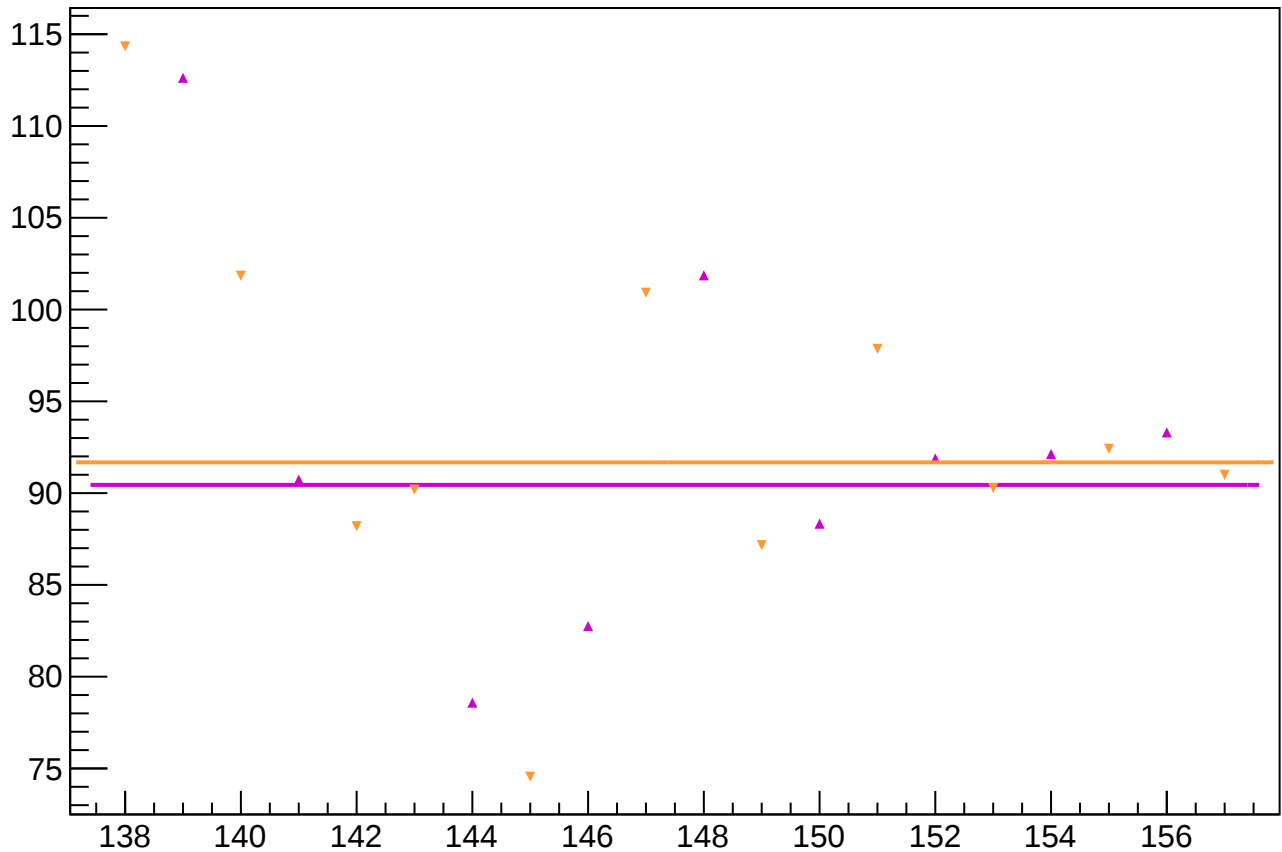
Left In: 60.056+/-33.580 χ^2/NDF : 10.5/8

66.301+/-32.421 χ^2/NDF : 9.8/10

63.288+/-23.324 χ^2/NDF : 20.4/19

60.056+/-33.580 χ^2/NDF : 10.5/8

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 91.676+/-0.023 χ^2/NDF :177422.2/10

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

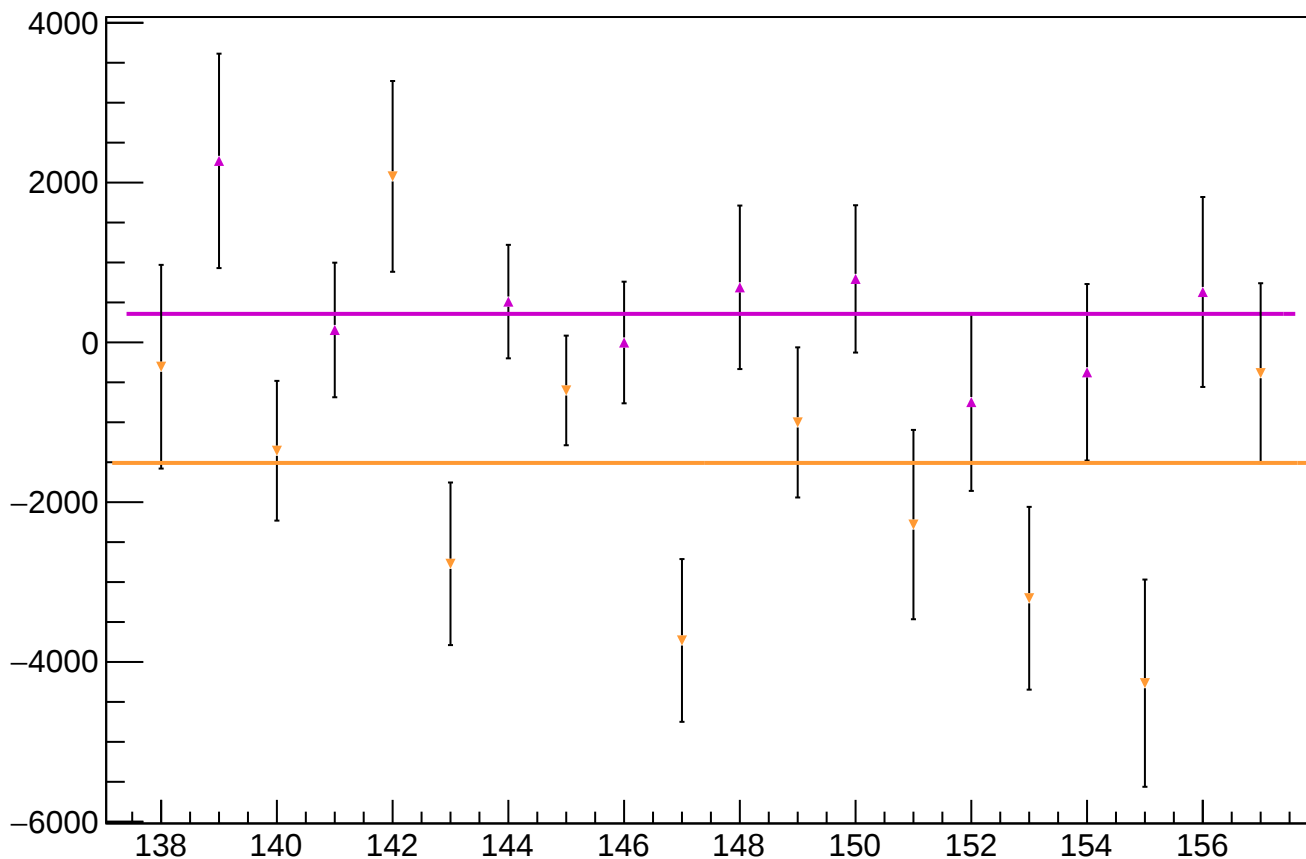
Left In: 90.448+/-0.024 χ^2/NDF :131713.5/8

91.676+/-0.023 χ^2/NDF : 177422.2/10

91.084+/-0.016 χ^2/NDF : 310521.2/19

90.448+/-0.024 χ^2/NDF : 131713.5/8

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1508.661 $\pm$ 306.104 χ^2 /NDF:26.4/10

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

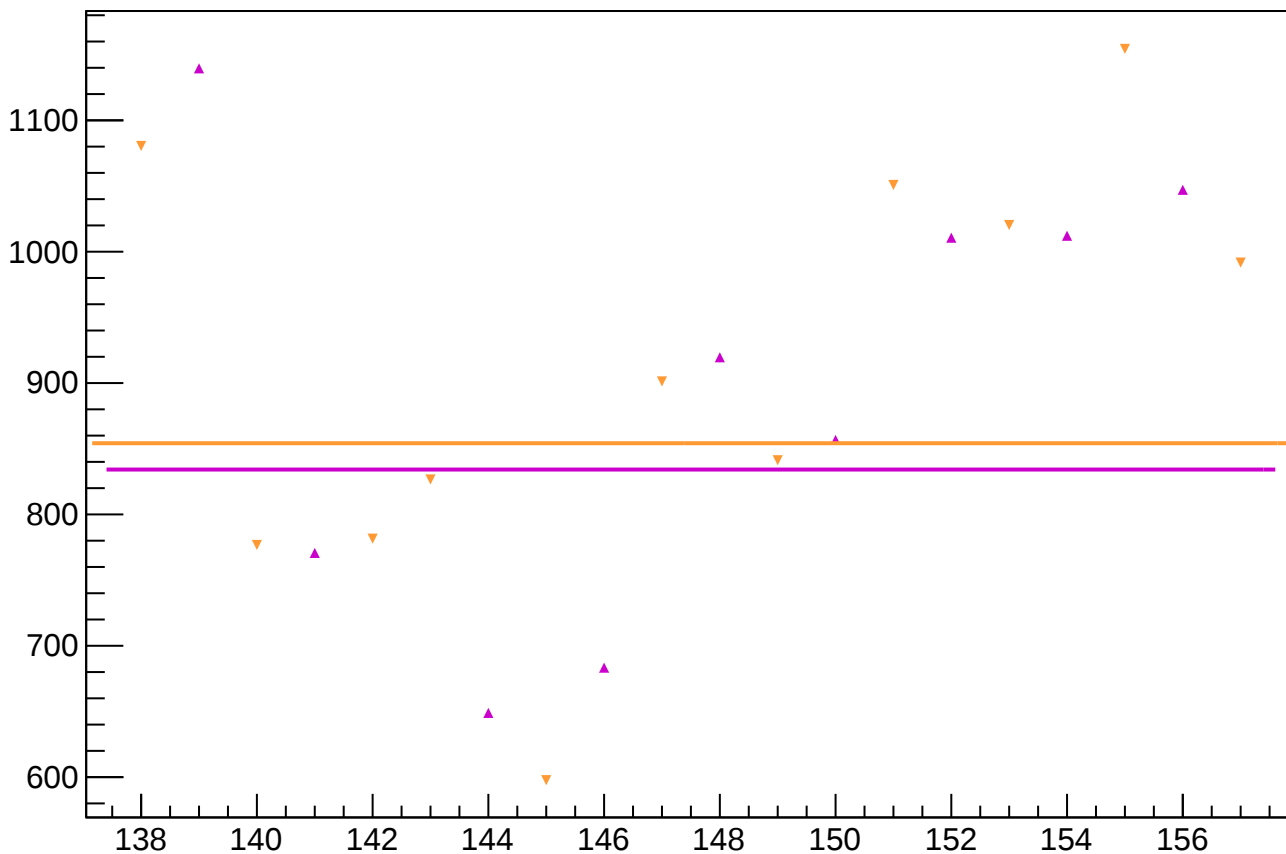
Left In: 356.917 $\pm$ 314.031 χ^2 /NDF:4.2/8

-1508.661 $\pm$ 306.104 χ^2 /NDF: 26.4/10

-599.718 $\pm$ 219.197 χ^2 /NDF: 48.7/19

356.917 $\pm$ 314.031 χ^2 /NDF: 4.2/8

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 854.206+/-0.216 χ^2/NDF : 606130.4/10

854.206+/-0.216 χ^2/NDF : 606130.4/10

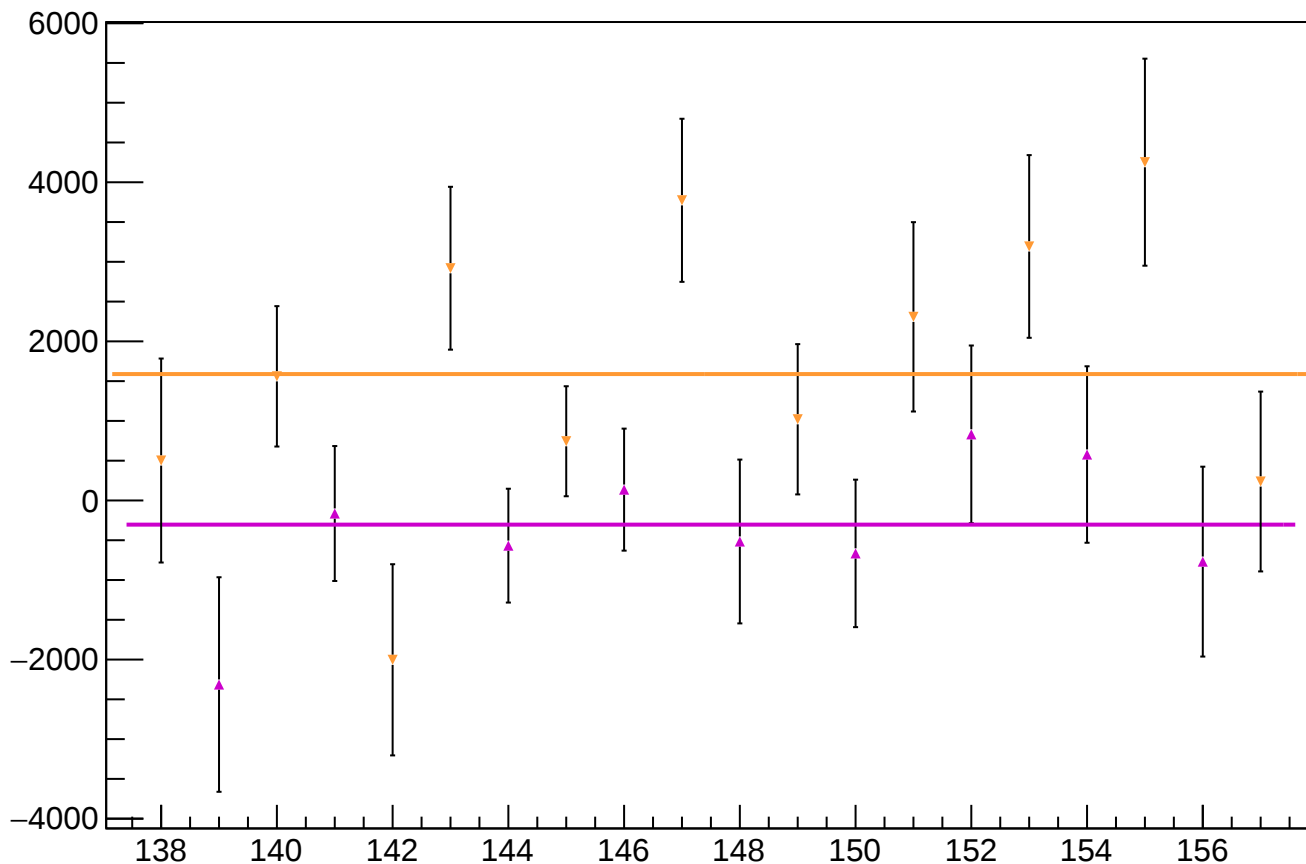
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

844.442+/-0.155 χ^2/NDF : 1121496.3/19

Left In: 834.165+/-0.222 χ^2/NDF : 511188.7/8

834.165+/-0.222 χ^2/NDF : 511188.7/8

asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 1588.941+/-308.005 χ^2/NDF : 25.7/10

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

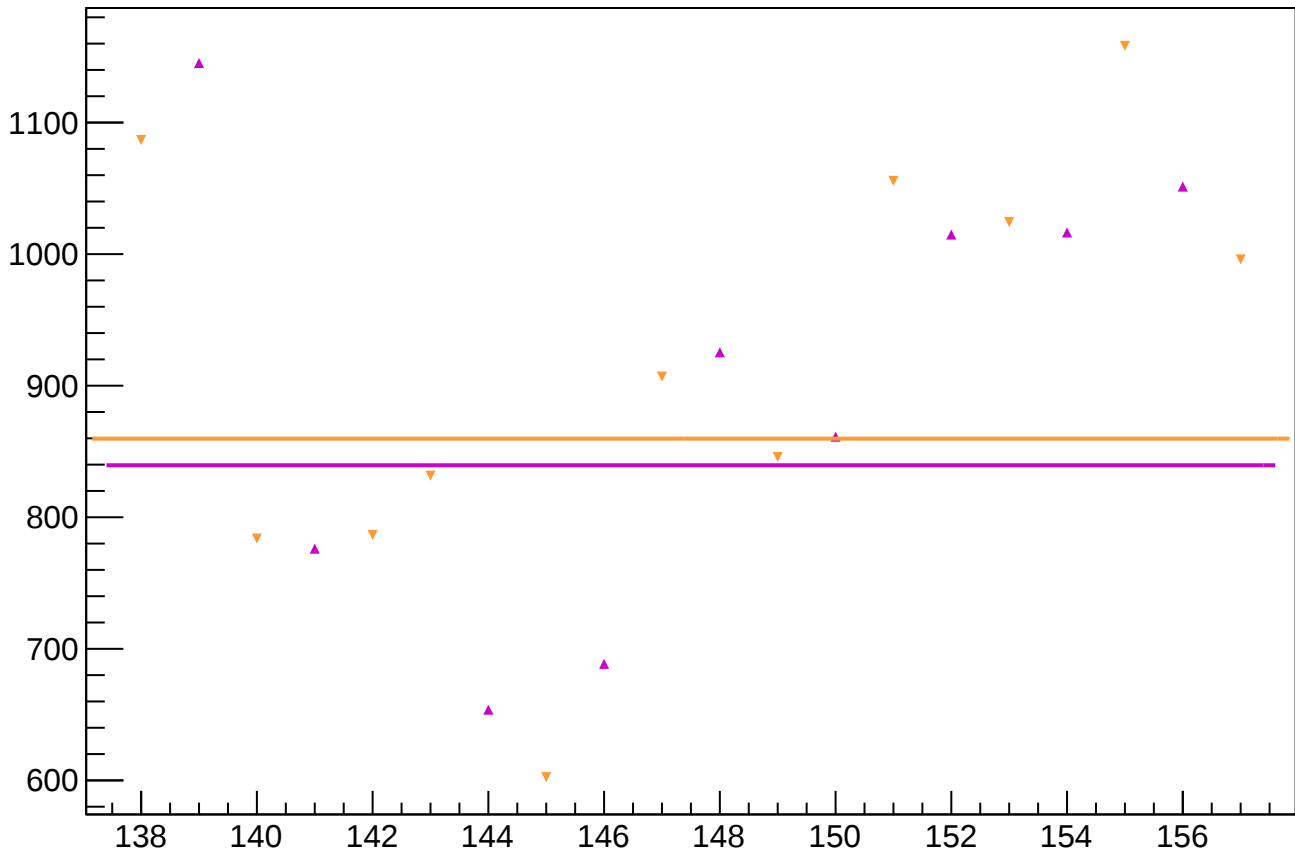
Left In: -303.829+/-315.965 χ^2/NDF : 4.7/8

1588.941+/-308.005 χ^2/NDF : 25.7/10

666.698+/-220.553 χ^2/NDF : 48.8/19

-303.829+/-315.965 χ^2/NDF : 4.7/8

asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 859.761+/-0.218 χ^2/NDF : 597564.9/10

859.761+/-0.218 χ^2/NDF : 597564.9/10

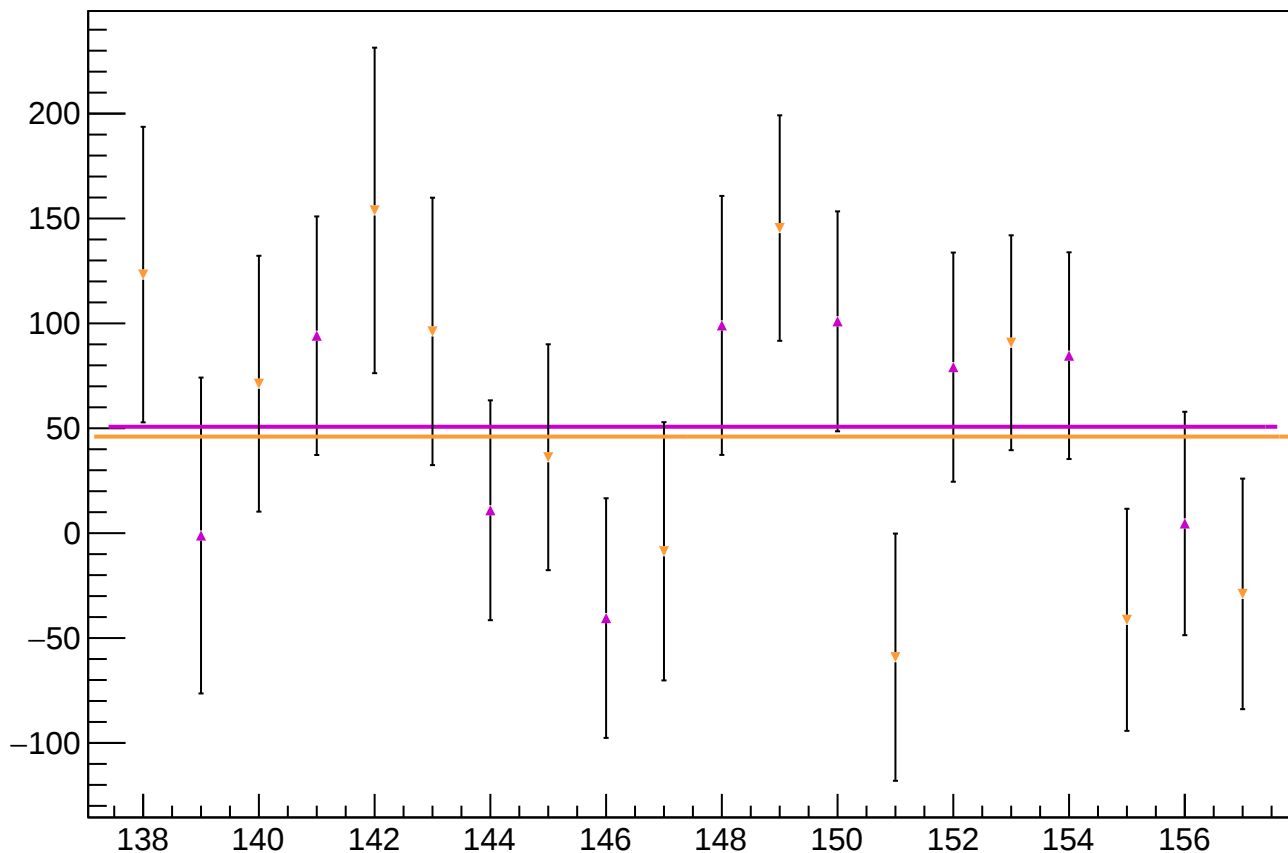
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

849.901+/-0.156 χ^2/NDF : 1106248.0/19

Left In: 839.524+/-0.223 χ^2/NDF : 504476.4/8

839.524+/-0.223 χ^2/NDF : 504476.4/8

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 46.018+/-17.691 χ^2/NDF : 16.7/10

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

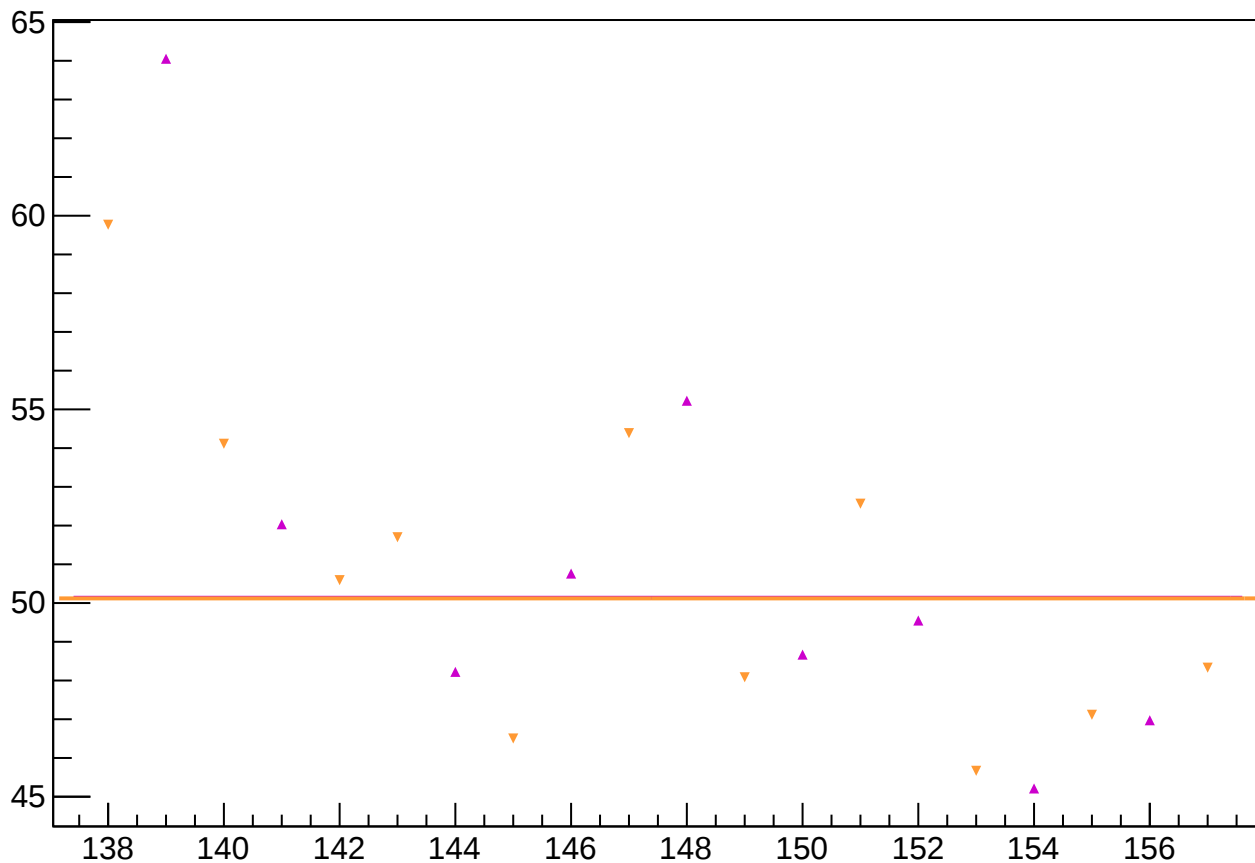
Left In: 50.727+/-18.626 χ^2/NDF : 7.2/8

46.018+/-17.691 χ^2/NDF : 16.7/10

48.252+/-12.827 χ^2/NDF : 23.9/19

50.727+/-18.626 χ^2/NDF : 7.2/8

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 50.120+/-0.013 χ^2/NDF : 96003.4/10

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

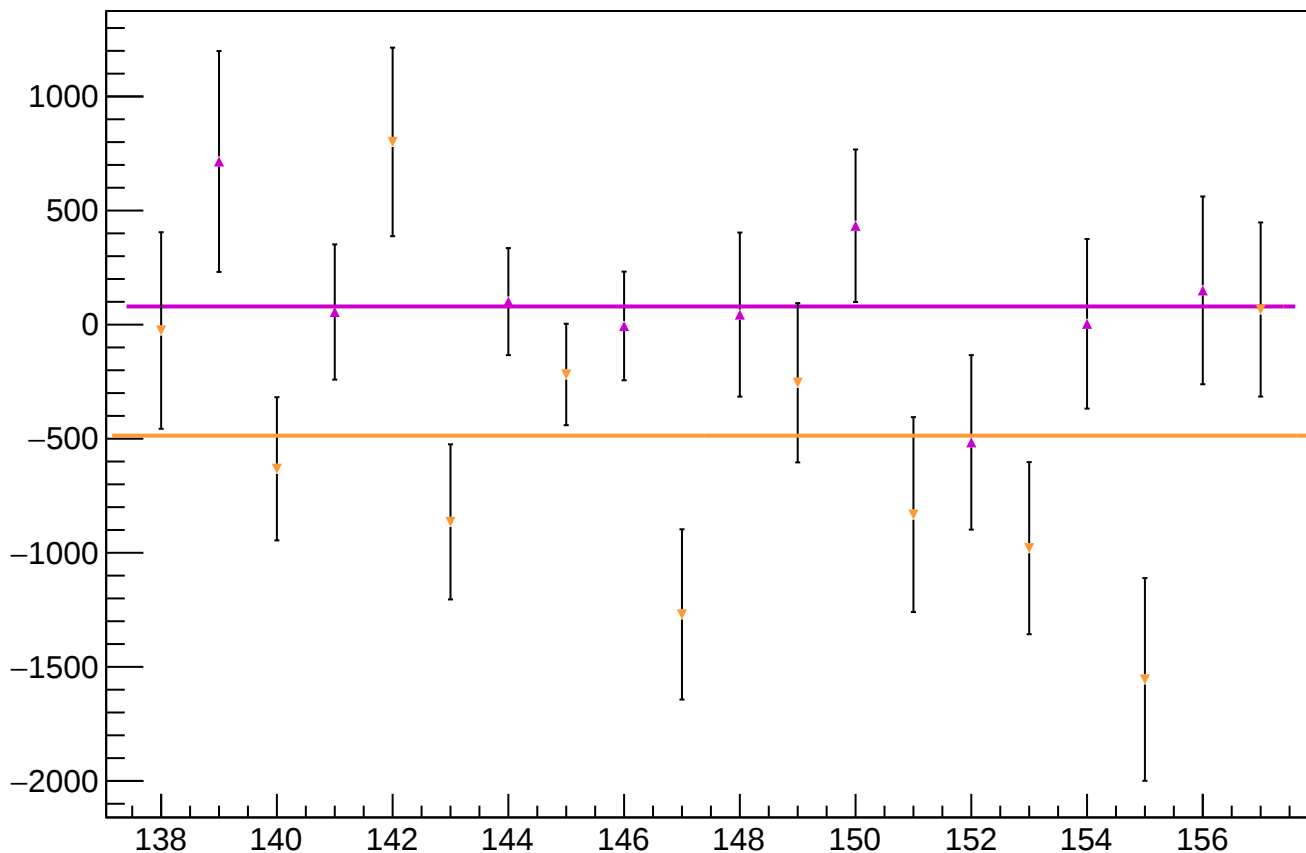
Left In: 50.136+/-0.013 χ^2/NDF : 115859.3/8

50.120+/-0.013 χ^2/NDF : 96003.4/10

50.128+/-0.009 χ^2/NDF : 211863.5/19

50.136+/-0.013 χ^2/NDF : 115859.3/8

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -486.562 $\pm$ 105.341 χ^2 /NDF: 28.9/10

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

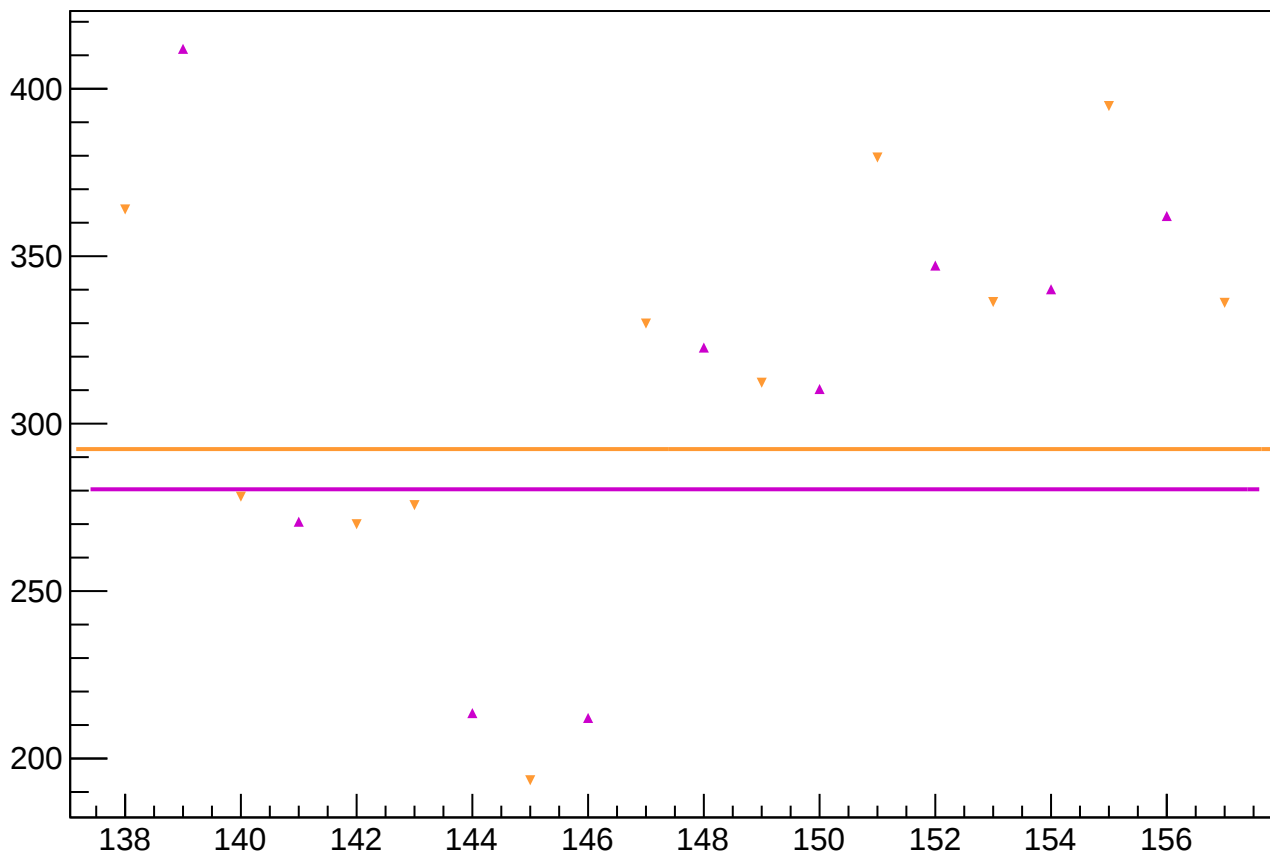
Left In: 79.599 $\pm$ 106.528 χ^2 /NDF: 5.5/8

-486.562 $\pm$ 105.341 χ^2 /NDF: 28.9/10

-206.654 $\pm$ 74.903 χ^2 /NDF: 48.6/19

79.599 $\pm$ 106.528 χ^2 /NDF: 5.5/8

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 292.404+/-0.074 χ^2/NDF : 735239.8/10

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

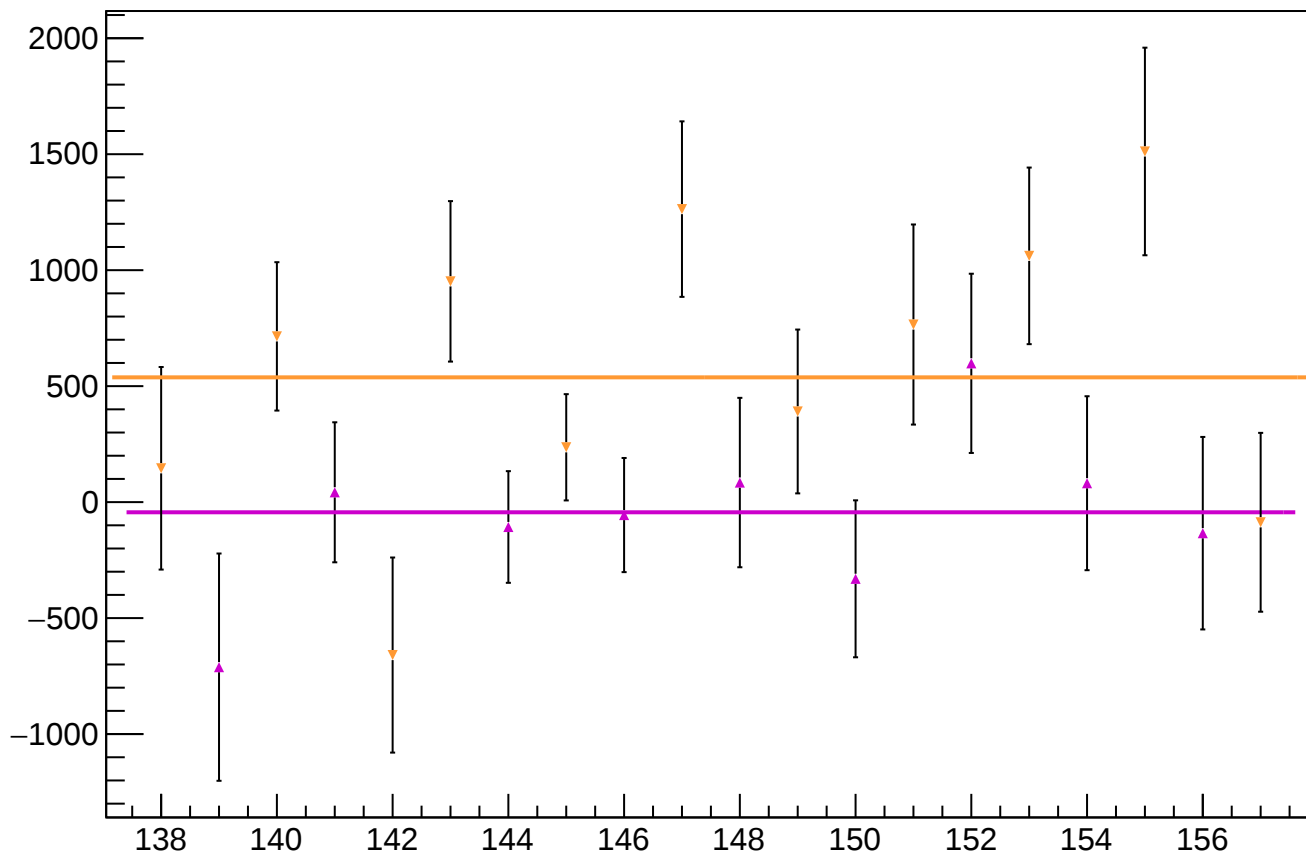
Left In: 280.396+/-0.075 χ^2/NDF : 711603.4/8

292.404+/-0.074 χ^2/NDF : 735239.8/10

286.467+/-0.053 χ^2/NDF : 1459692.4/19

280.396+/-0.075 χ^2/NDF : 711603.4/8

asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 537.910+/-107.160 χ^2/NDF : 25.8/10

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

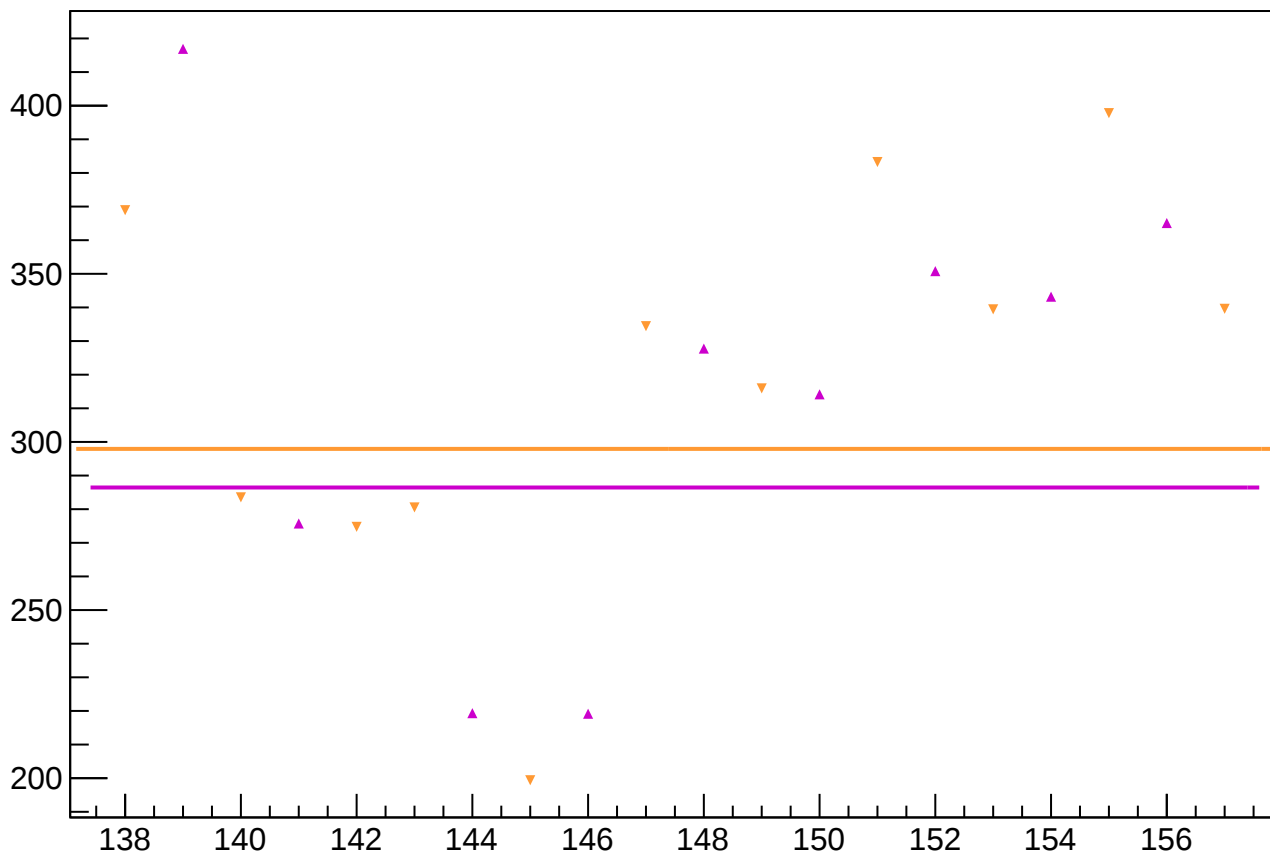
Left In: -43.835+/-108.615 χ^2/NDF : 5.8/8

537.910+/-107.160 χ^2/NDF : 25.8/10

250.959+/-76.283 χ^2/NDF : 46.1/19

-43.835+/-108.615 χ^2/NDF : 5.8/8

asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 297.933+/-0.076 χ^2/NDF : 686889.3/10

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

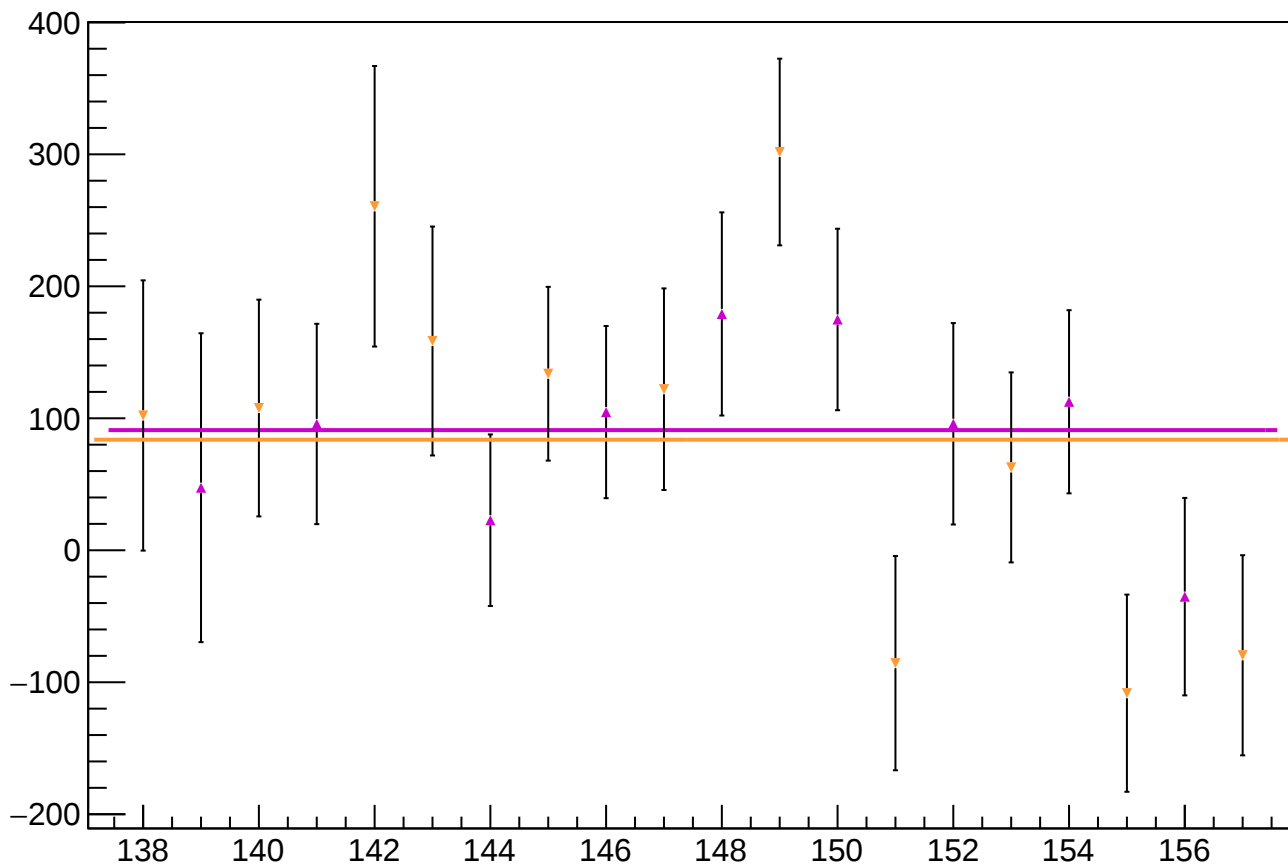
Left In: 286.449+/-0.077 χ^2/NDF : 661447.3/8

297.933+/-0.076 χ^2/NDF : 686889.3/10

292.268+/-0.054 χ^2/NDF : 1359667.8/19

286.449+/-0.077 χ^2/NDF : 661447.3/8

reg_asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 83.781+/-23.801 χ^2/NDF : 29.6/10

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

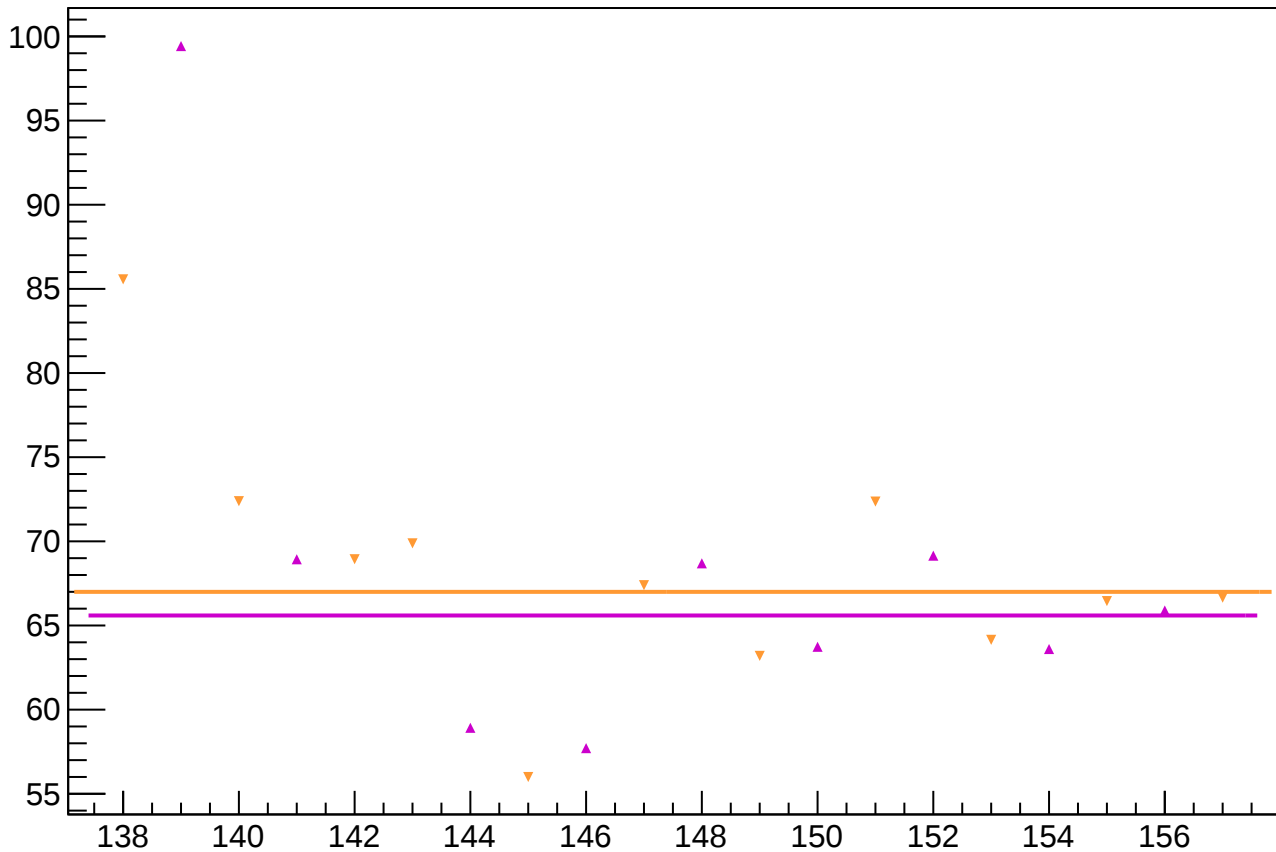
Left In: 91.038+/-24.568 χ^2/NDF : 7.0/8

83.781+/-23.801 χ^2/NDF : 29.6/10

87.294+/-17.095 χ^2/NDF : 36.7/19

91.038+/-24.568 χ^2/NDF : 7.0/8

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 66.998+/-0.017 χ^2/NDF :151000.4/10

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

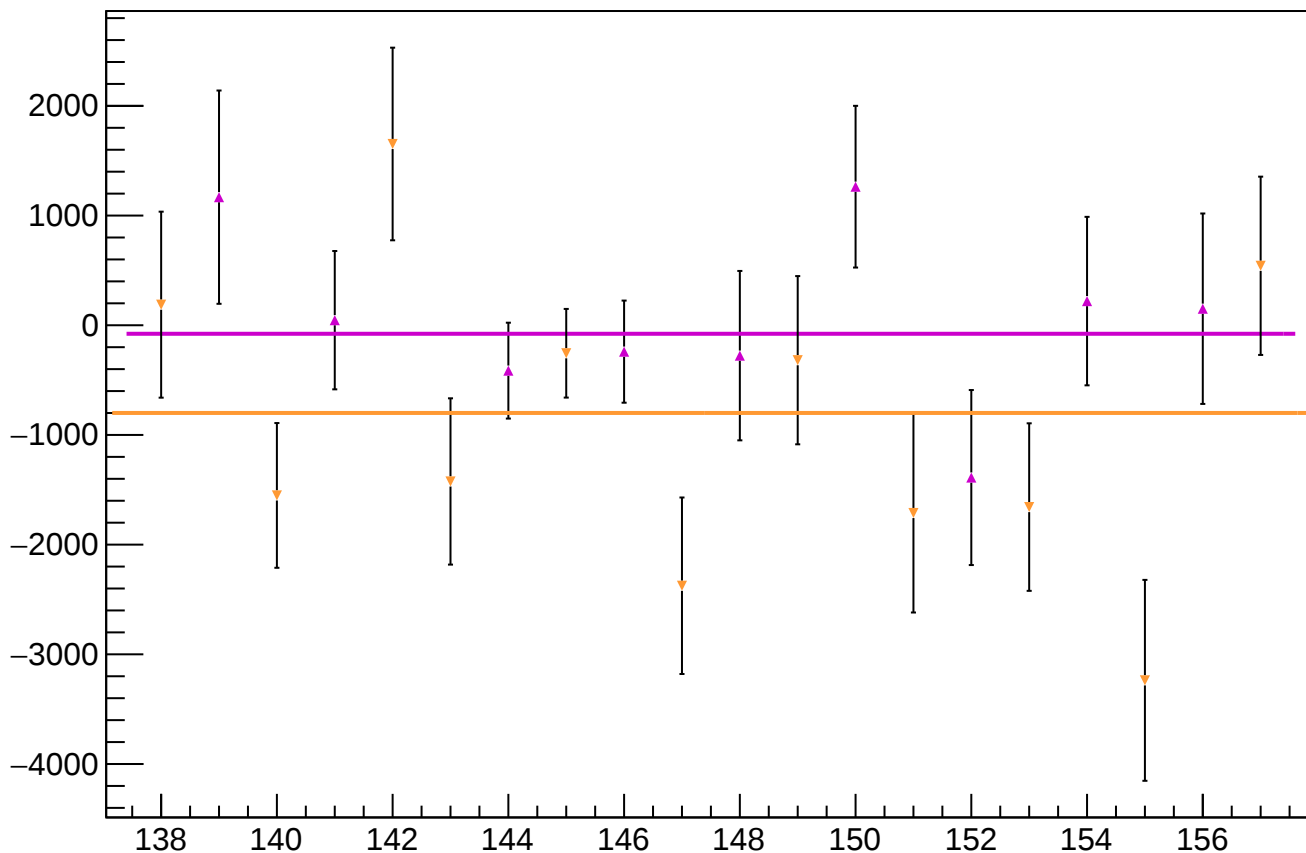
Left In: 65.594+/-0.017 χ^2/NDF :232041.7/8

66.998+/-0.017 χ^2/NDF : 151000.4/10

66.319+/-0.012 χ^2/NDF : 386411.8/19

65.594+/-0.017 χ^2/NDF : 232041.7/8

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -799.534+/-214.530 χ^2/NDF : 29.3/10

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

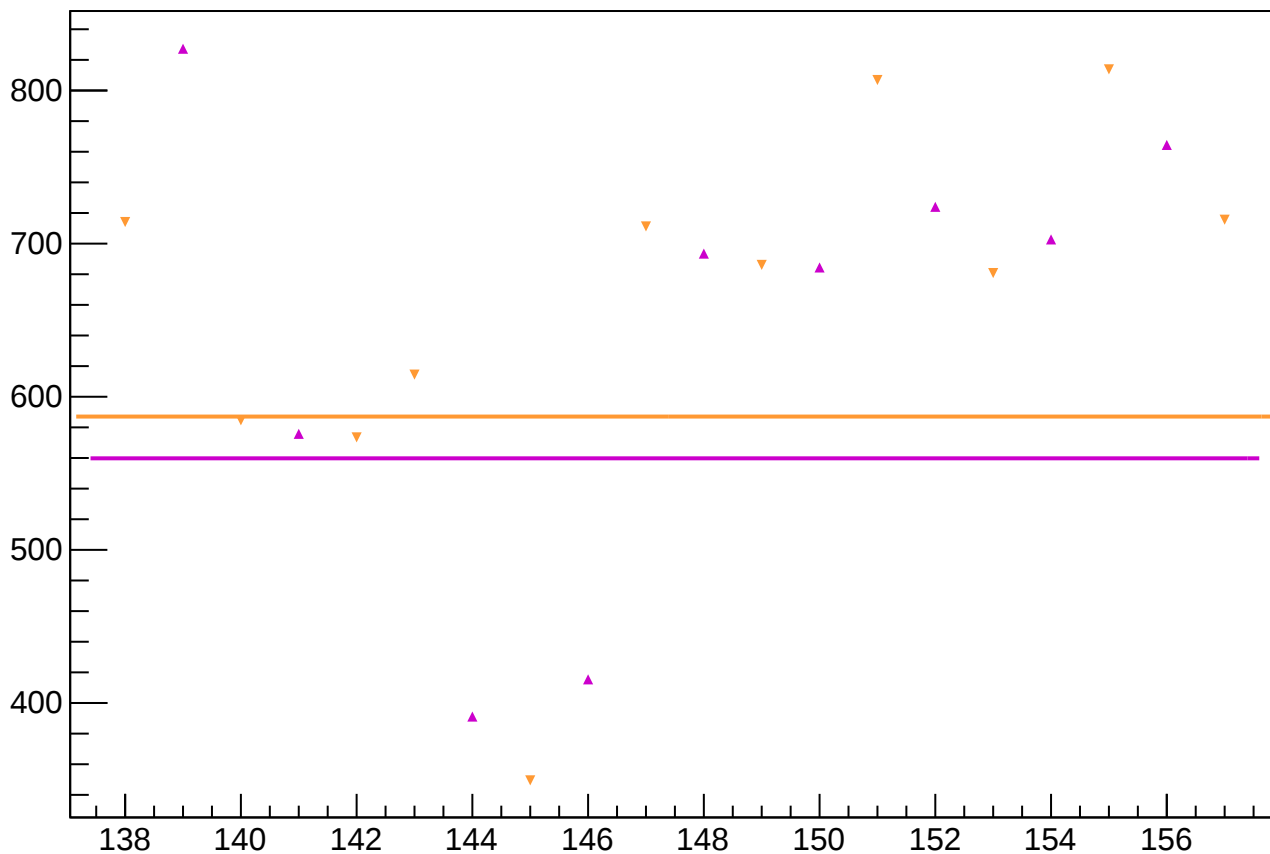
Left In: -77.681+/-215.494 χ^2/NDF : 8.7/8

-799.534+/-214.530 χ^2/NDF : 29.3/10

-440.225+/-152.035 χ^2/NDF : 43.6/19

-77.681+/-215.494 χ^2/NDF : 8.7/8

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 587.059+/-0.152 χ^2/NDF : 1140312.7/10

587.059+/-0.152 χ^2/NDF : 1140312.7/10

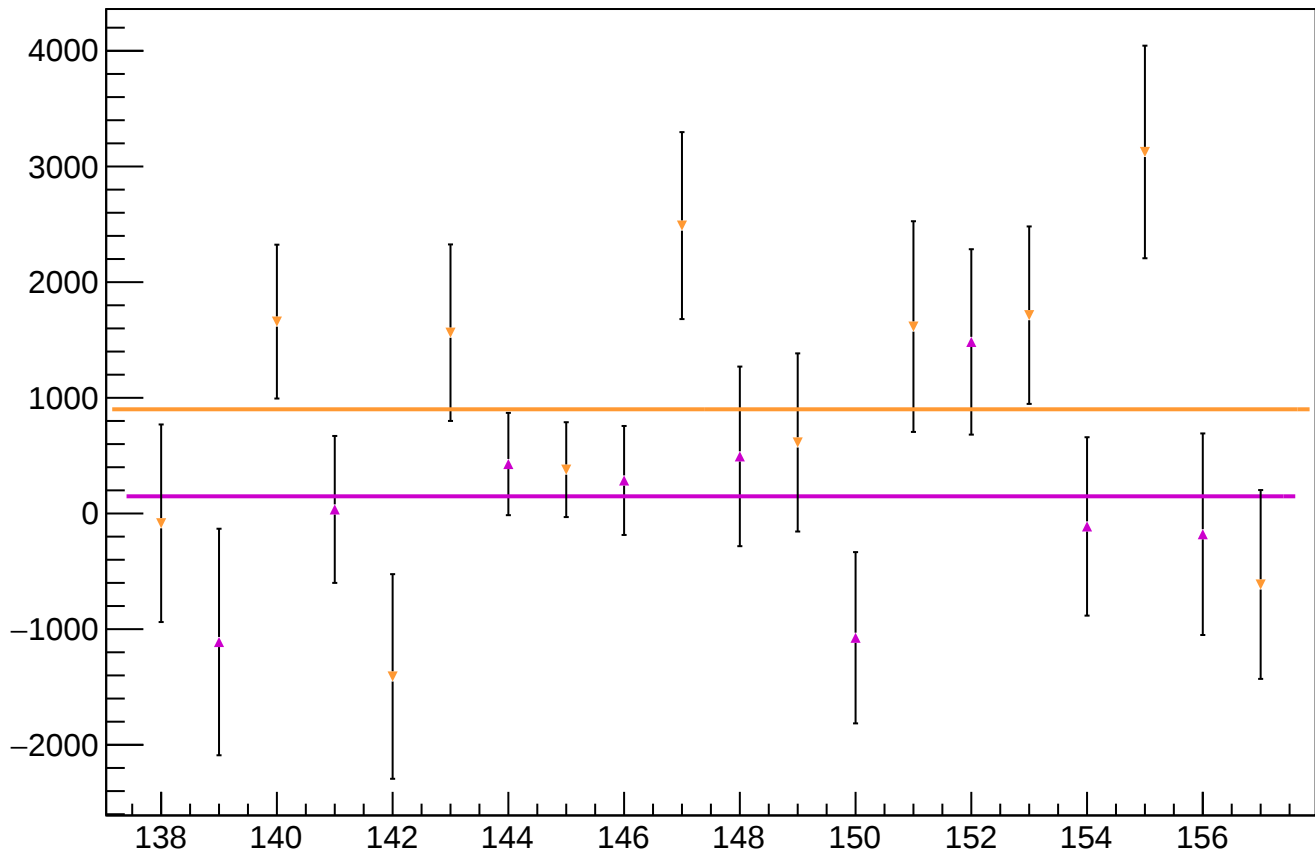
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

573.482+/-0.108 χ^2/NDF : 2181608.9/19

Left In: 559.783+/-0.152 χ^2/NDF : 1025203.5/8

559.783+/-0.152 χ^2/NDF : 1025203.5/8

asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 900.872+/-216.260 χ^2/NDF : 26.9/10

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

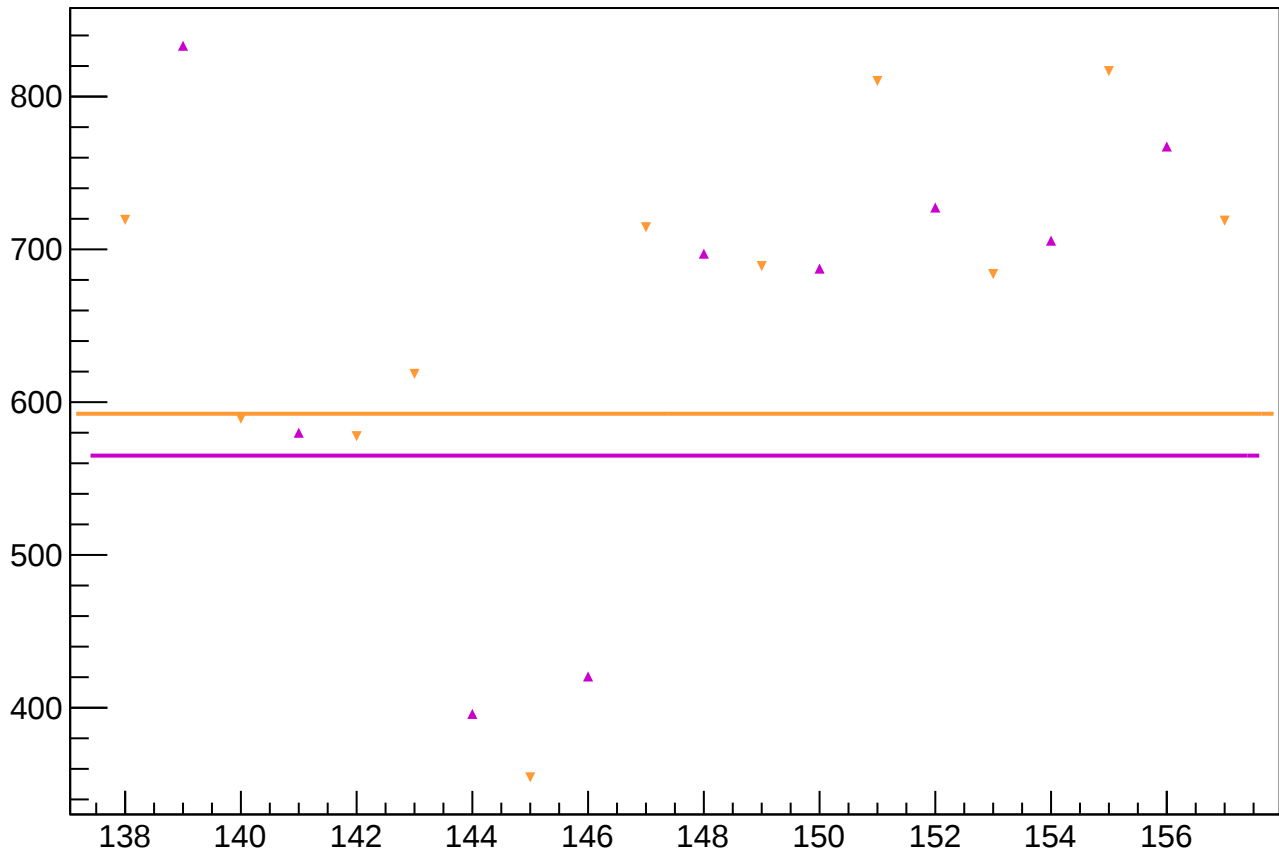
Left In: 148.547+/-217.301 χ^2/NDF : 8.1/8

900.872+/-216.260 χ^2/NDF : 26.9/10

526.517+/-153.286 χ^2/NDF : 41.0/19

148.547+/-217.301 χ^2/NDF : 8.1/8

asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 592.414+/-0.153 χ^2/NDF : 1107659.4/10

592.414+/-0.153 χ^2/NDF : 1107659.4/10

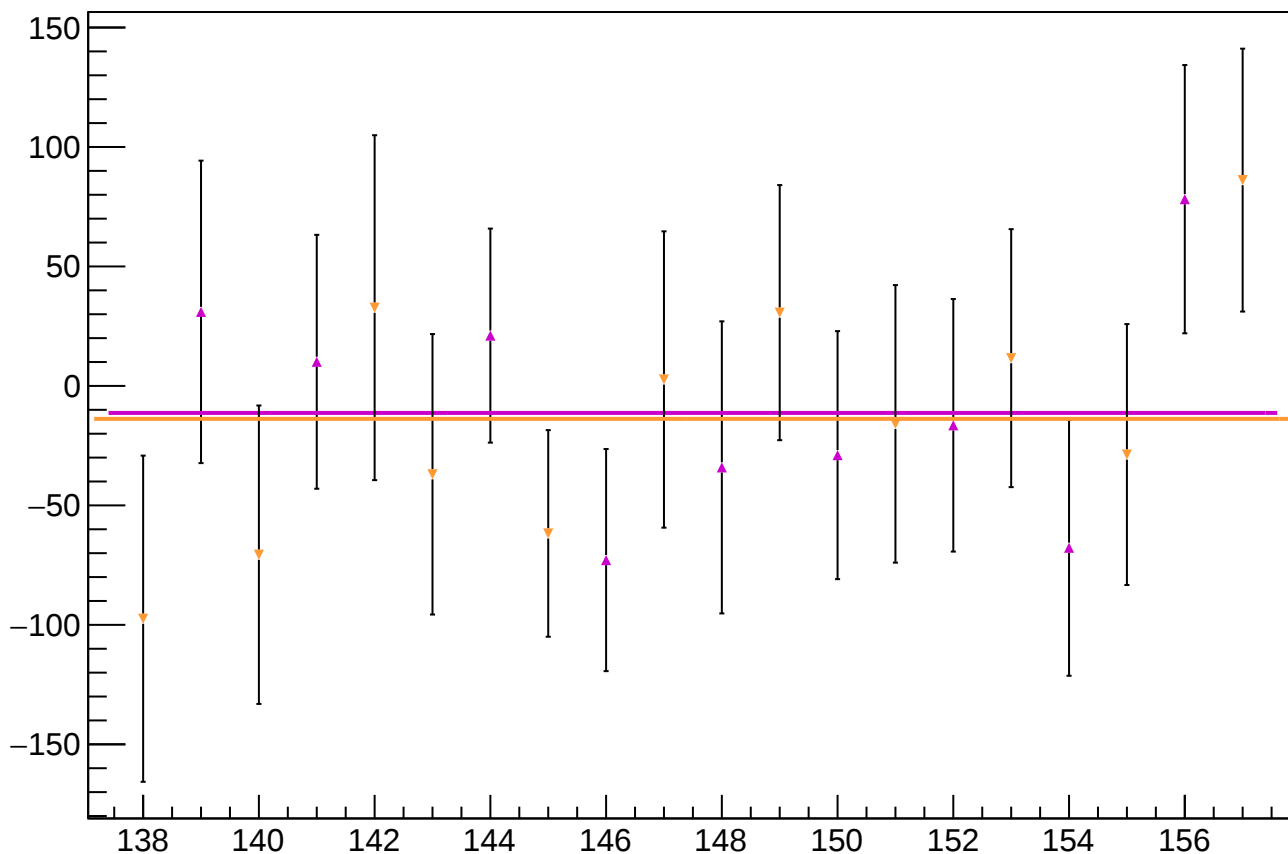
578.781+/-0.108 χ^2/NDF : 2124325.4/19

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

565.016+/-0.154 χ^2/NDF : 1000692.3/8

Left In: 565.016+/-0.154 χ^2/NDF : 1000692.3/8

reg_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -13.786+/-17.139 χ^2/NDF : 8.5/10

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

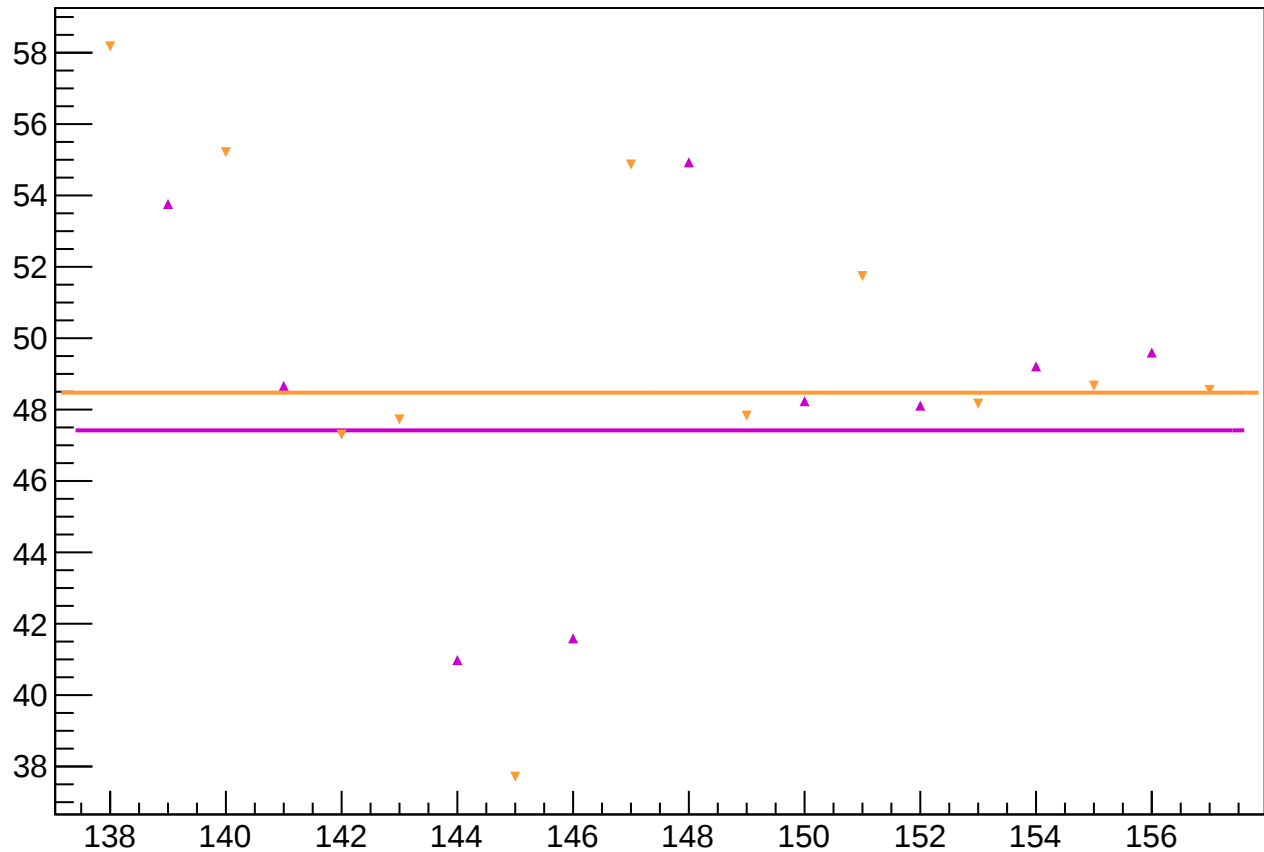
Left In: -11.302+/-17.602 χ^2/NDF : 6.8/8

-13.786+/-17.139 χ^2/NDF : 8.5/10

-12.577+/-12.279 χ^2/NDF : 15.3/19

-11.302+/-17.602 χ^2/NDF : 6.8/8

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: 48.475 $\pm$ 0.012 χ^2/NDF :216364.4/10

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

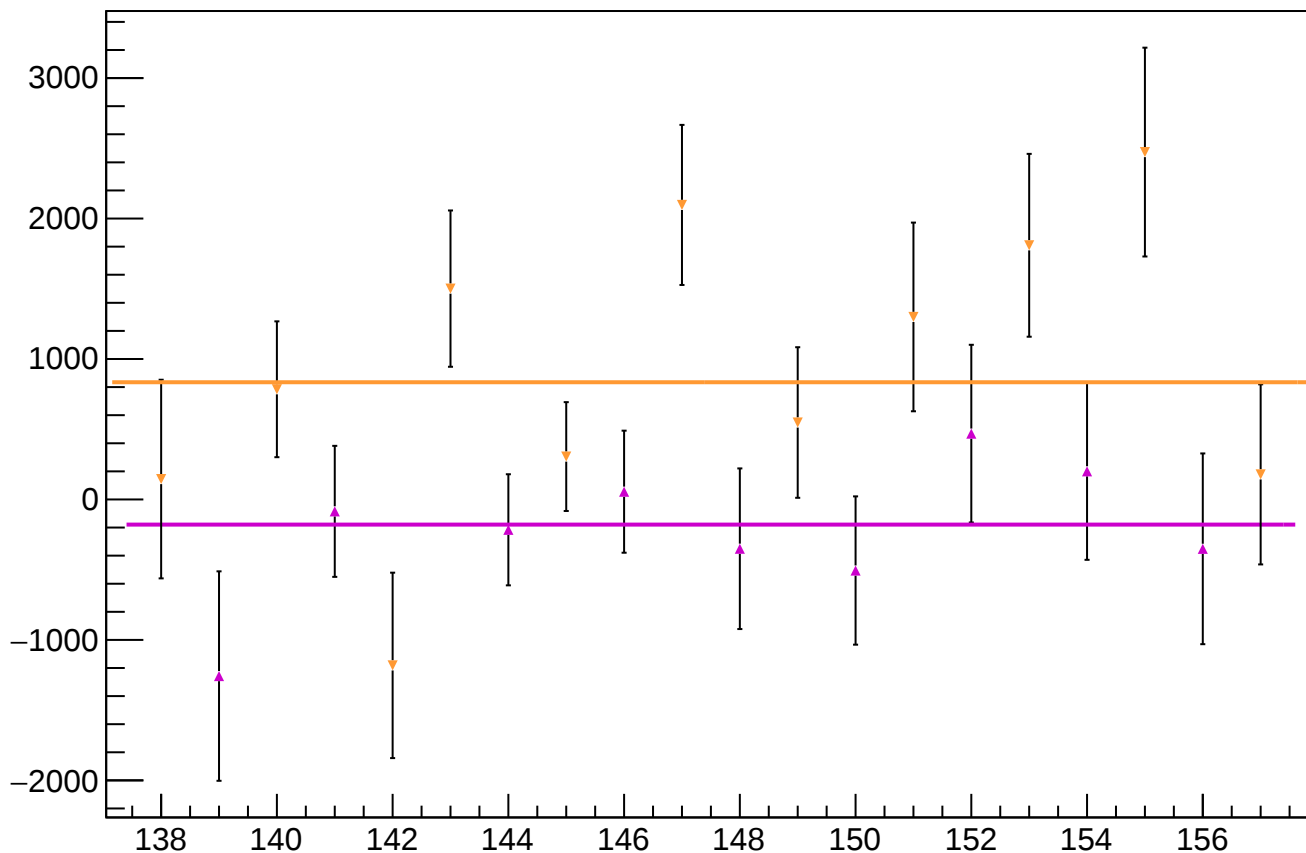
Left In: 47.418 $\pm$ 0.012 χ^2/NDF :130223.4/8

48.475 $\pm$ 0.012 χ^2/NDF : 216364.4/10

47.960 $\pm$ 0.009 χ^2/NDF : 350286.9/19

47.418 $\pm$ 0.012 χ^2/NDF : 130223.4/8

asym_sam_15_48_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 834.523+/-171.899 χ^2/NDF : 27.4/10

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

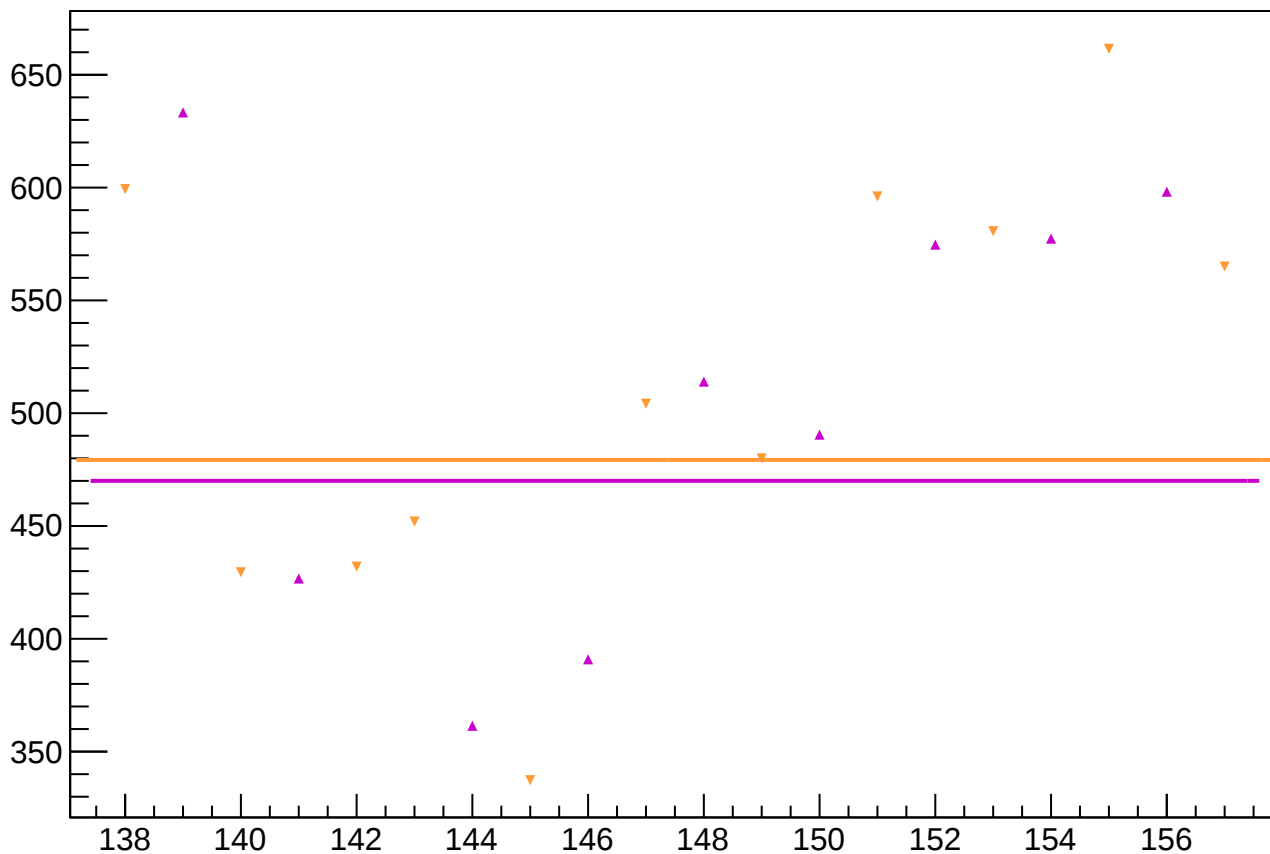
Left In: -179.043+/-177.002 χ^2/NDF : 4.4/8

834.523+/-171.899 χ^2/NDF : 27.4/10

342.561+/-123.316 χ^2/NDF : 48.7/19

-179.043+/-177.002 χ^2/NDF : 4.4/8

asym_sam_15_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 479.297+/-0.122 χ^2/NDF : 631139.3/10

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

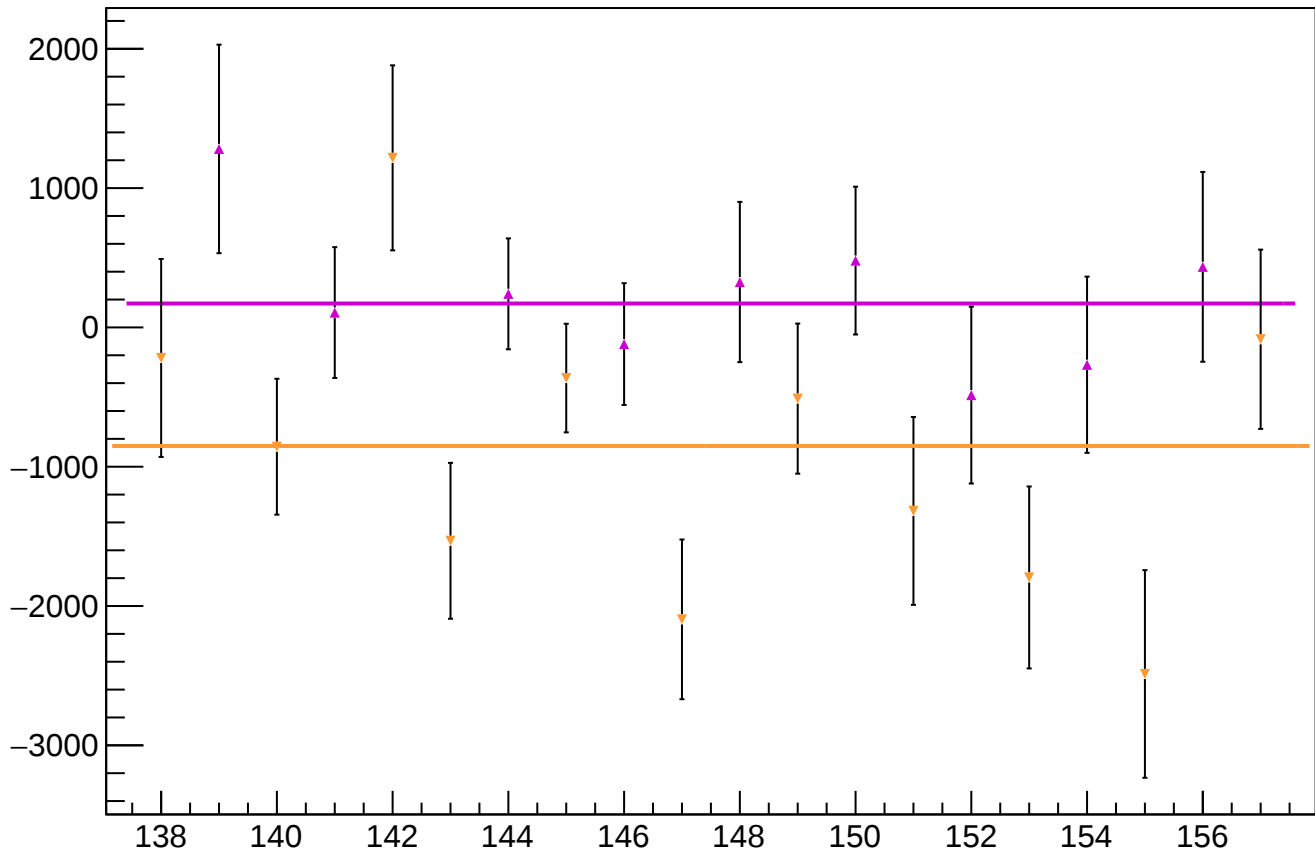
Left In: 470.011+/-0.125 χ^2/NDF : 529129.3/8

479.297+/-0.122 χ^2/NDF : 631139.3/10

474.790+/-0.087 χ^2/NDF : 1163101.4/19

470.011+/-0.125 χ^2/NDF : 529129.3/8

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -851.024+/-172.853 χ^2/NDF : 27.5/10

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

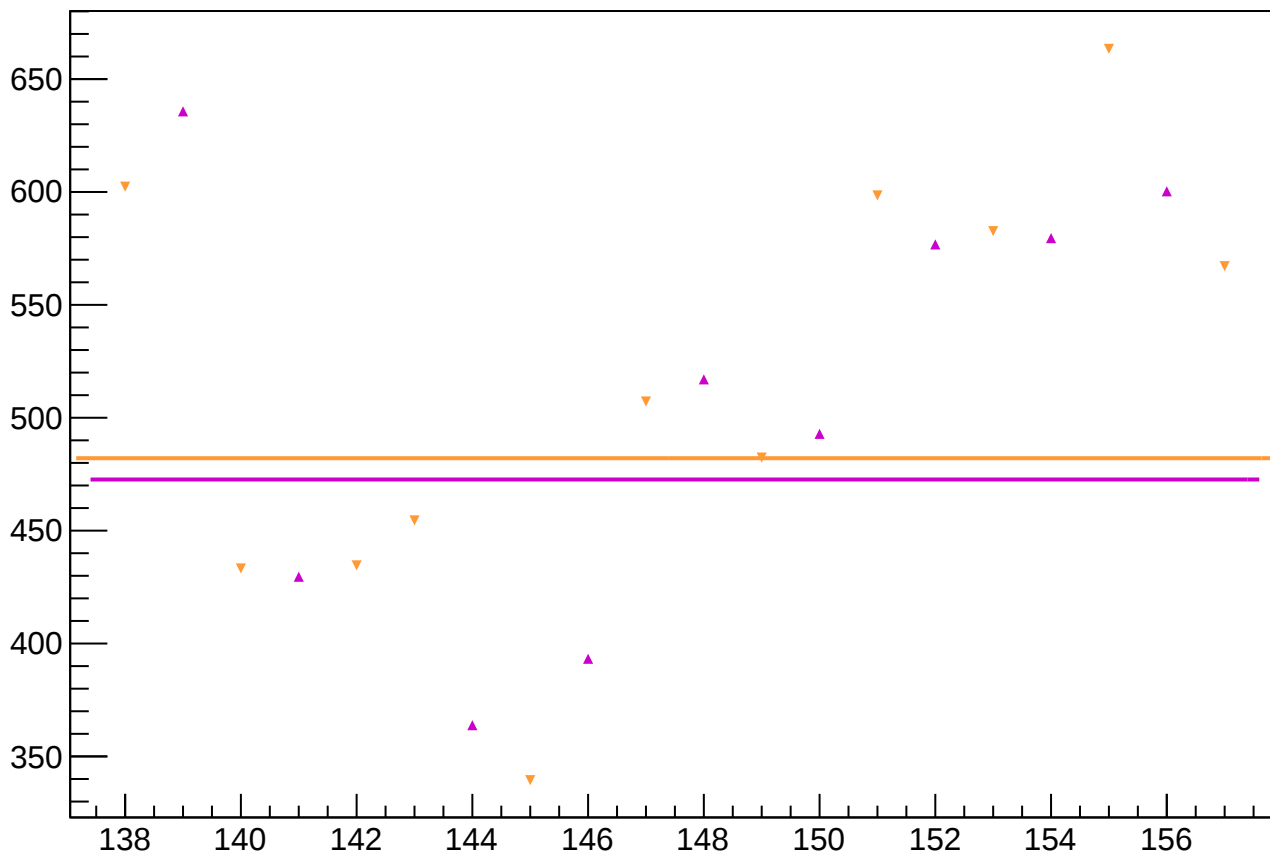
Left In: 171.521+/-177.954 χ^2/NDF : 4.8/8

-851.024+/-172.853 χ^2/NDF : 27.5/10

-354.619+/-123.990 χ^2/NDF : 49.2/19

171.521+/-177.954 χ^2/NDF : 4.8/8

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 482.083+/-0.122 χ^2/NDF : 624052.5/10

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

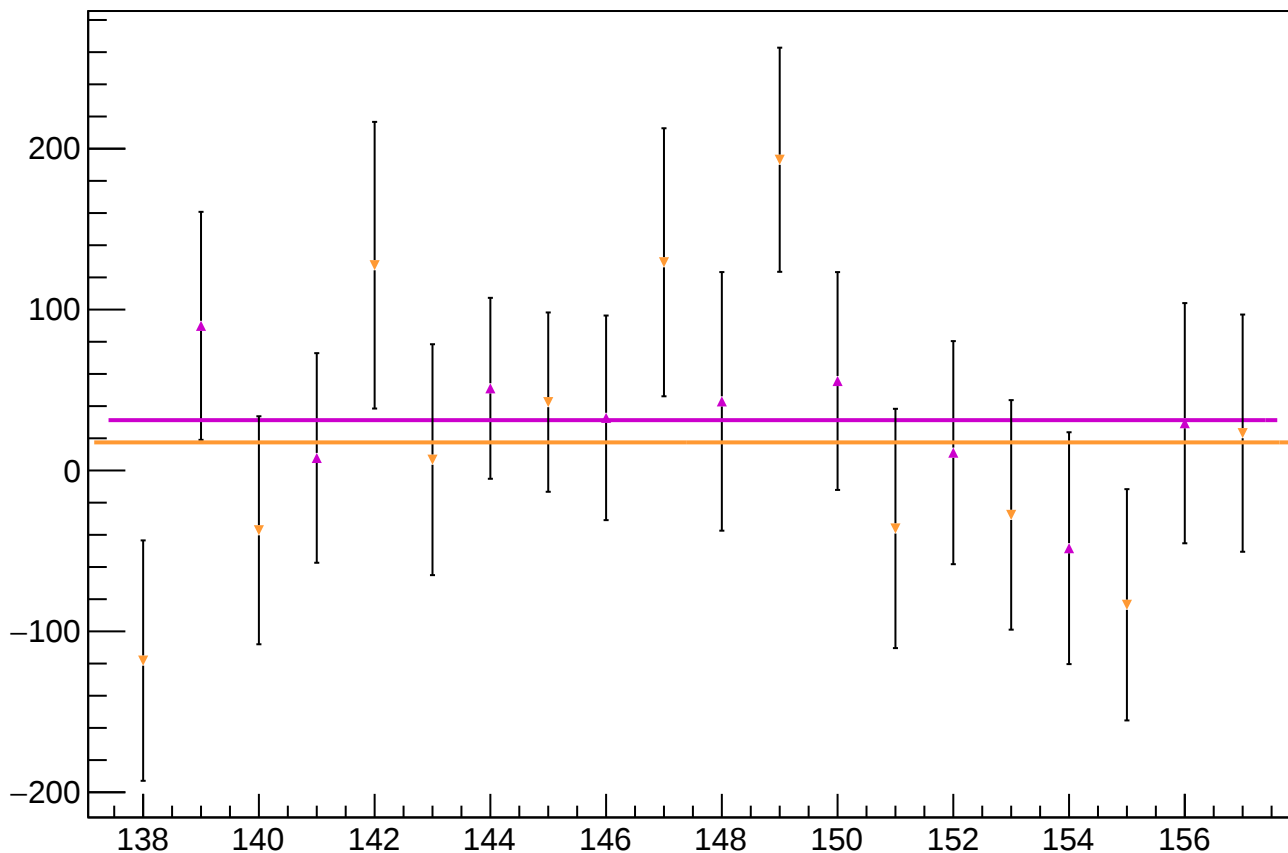
Left In: 472.653+/-0.126 χ^2/NDF : 523154.8/8

482.083+/-0.122 χ^2/NDF : 624052.5/10

477.505+/-0.088 χ^2/NDF : 1150097.2/19

472.653+/-0.126 χ^2/NDF : 523154.8/8

reg_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: 17.457 $\pm$ 21.689 χ^2 /NDF:16.7/10

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

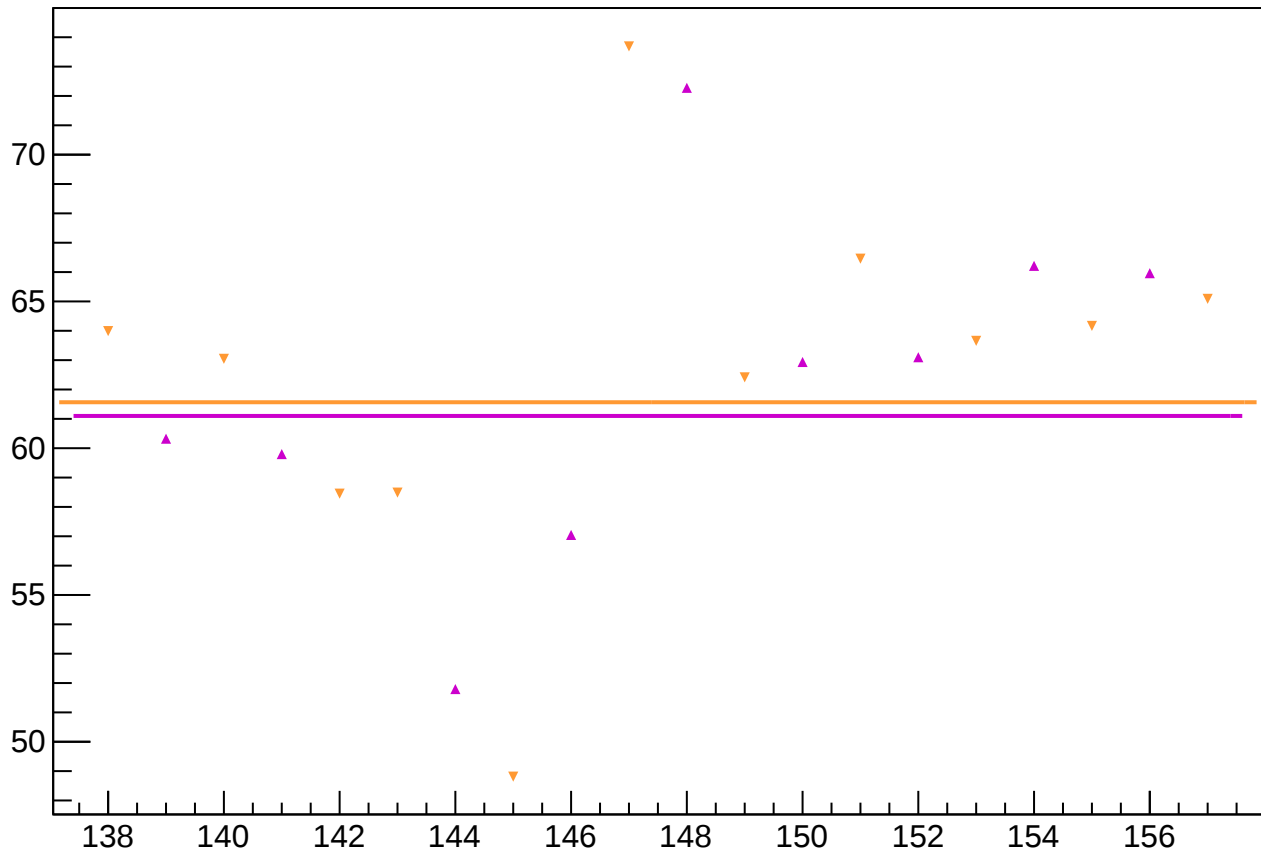
Left In: 31.279 $\pm$ 22.636 χ^2 /NDF:2.4/8

17.457 $\pm$ 21.689 χ^2 /NDF: 16.7/10

24.073 $\pm$ 15.661 χ^2 /NDF: 19.3/19

31.279 $\pm$ 22.636 χ^2 /NDF: 2.4/8

reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 61.566+/-0.015 χ^2/NDF : 174078.6/10

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

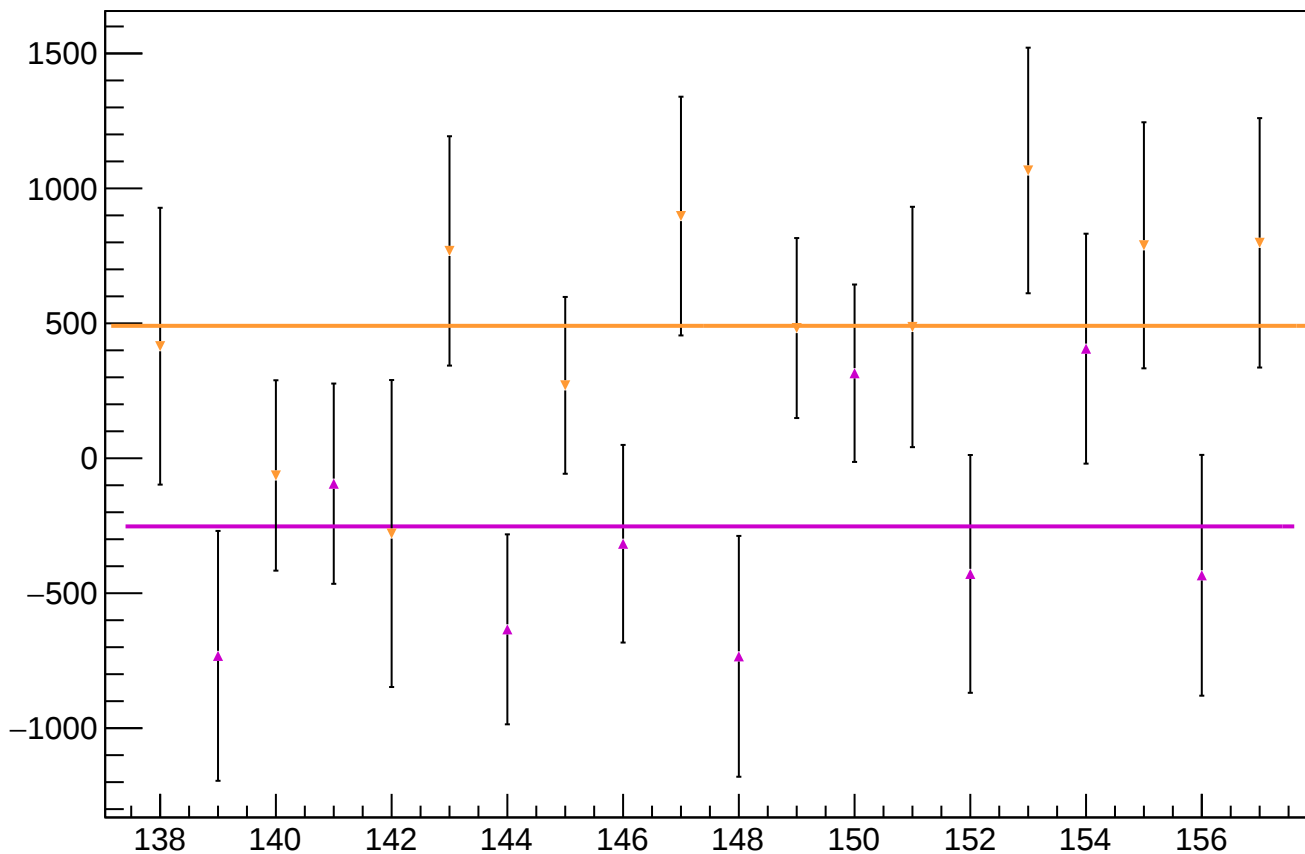
Left In: 61.099+/-0.016 χ^2/NDF : 124313.9/8

61.566+/-0.015 χ^2/NDF : 174078.6/10

61.342+/-0.011 χ^2/NDF : 298835.6/19

61.099+/-0.016 χ^2/NDF : 124313.9/8

asym_sam_37_48_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 490.770+/-125.727 χ^2/NDF : 8.5/10

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

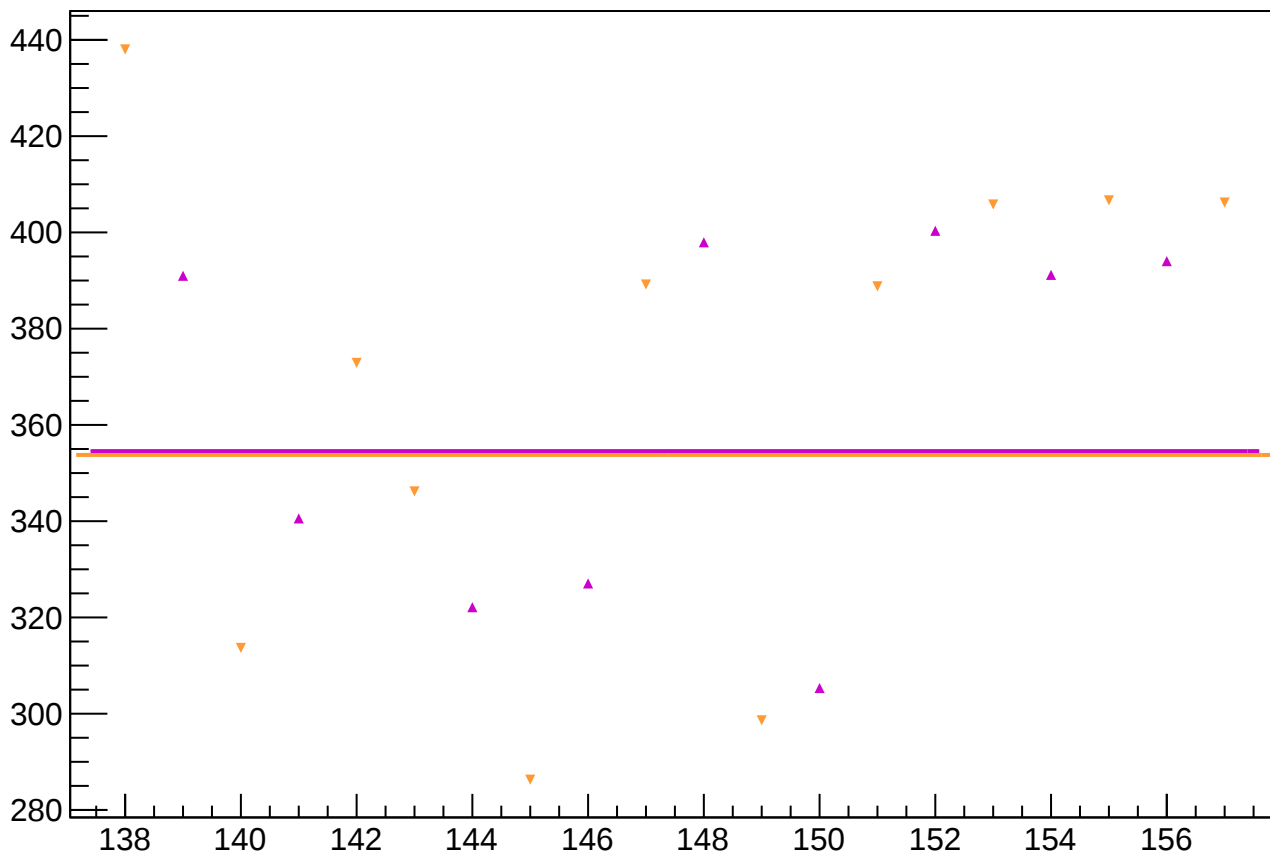
Left In: -252.427+/-131.963 χ^2/NDF : 9.3/8

490.770+/-125.727 χ^2/NDF : 8.5/10

137.147+/-91.027 χ^2/NDF : 34.5/19

-252.427+/-131.963 χ^2/NDF : 9.3/8

asym_sam_37_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 353.763+/-0.089 χ^2/NDF : 326315.0/10

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

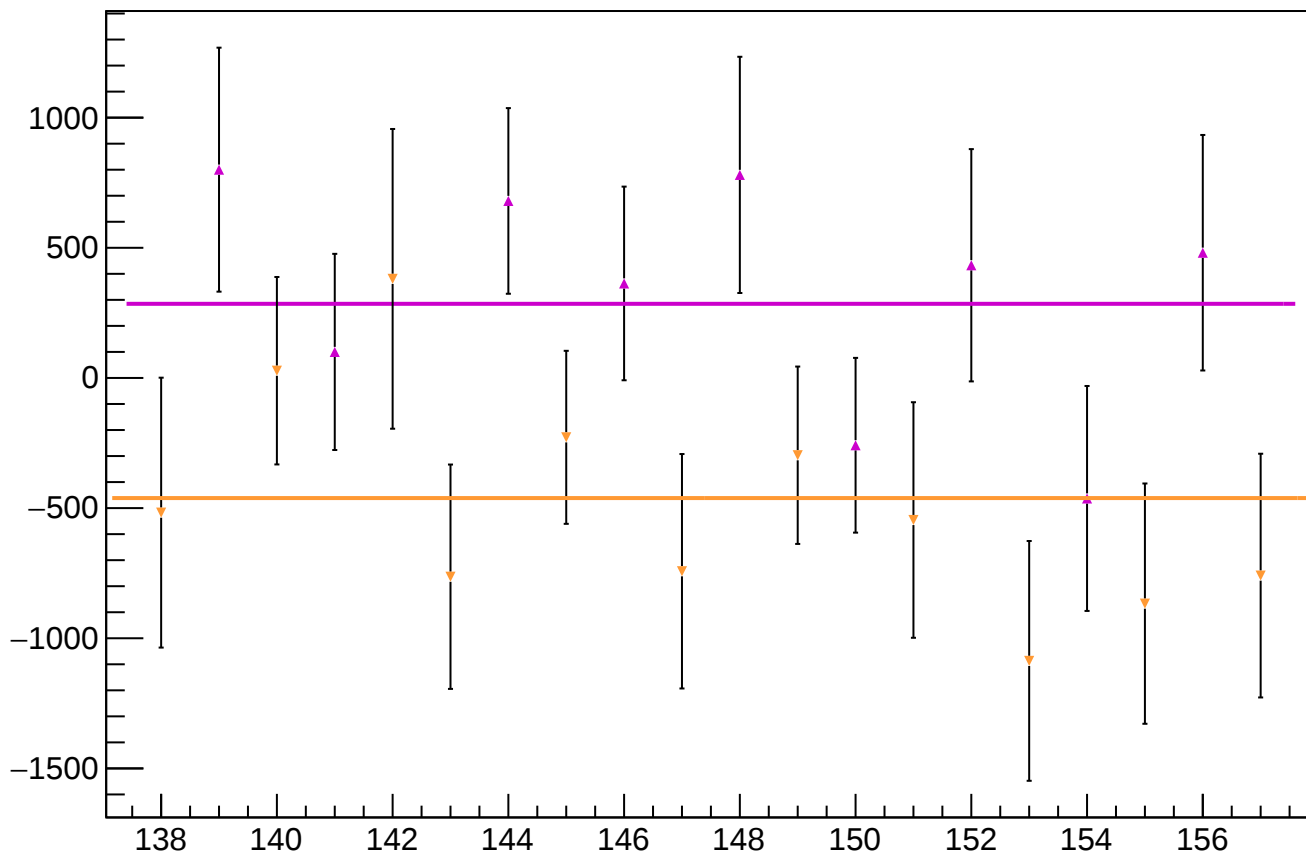
Left In: 354.557+/-0.093 χ^2/NDF : 159264.0/8

353.763+/-0.089 χ^2/NDF : 326315.0/10

354.141+/-0.064 χ^2/NDF : 485617.0/19

354.557+/-0.093 χ^2/NDF : 159264.0/8

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -461.424+/-127.731 χ^2/NDF : 8.7/10

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

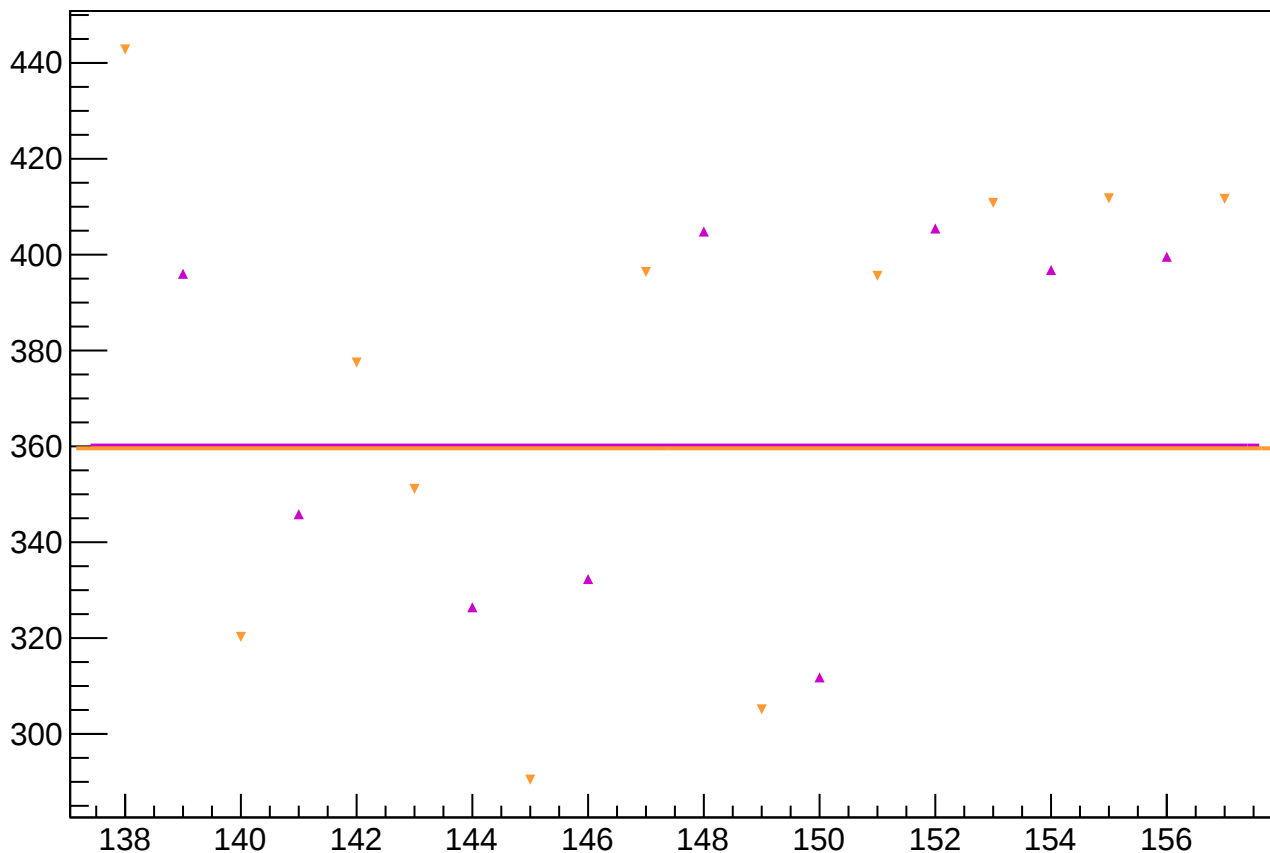
Left In: 284.808+/-134.003 χ^2/NDF : 9.8/8

-461.424+/-127.731 χ^2/NDF : 8.7/10

-106.180+/-92.457 χ^2/NDF : 34.7/19

284.808+/-134.003 χ^2/NDF : 9.8/8

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 359.596+/-0.090 χ^2/NDF : 316821.2/10

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

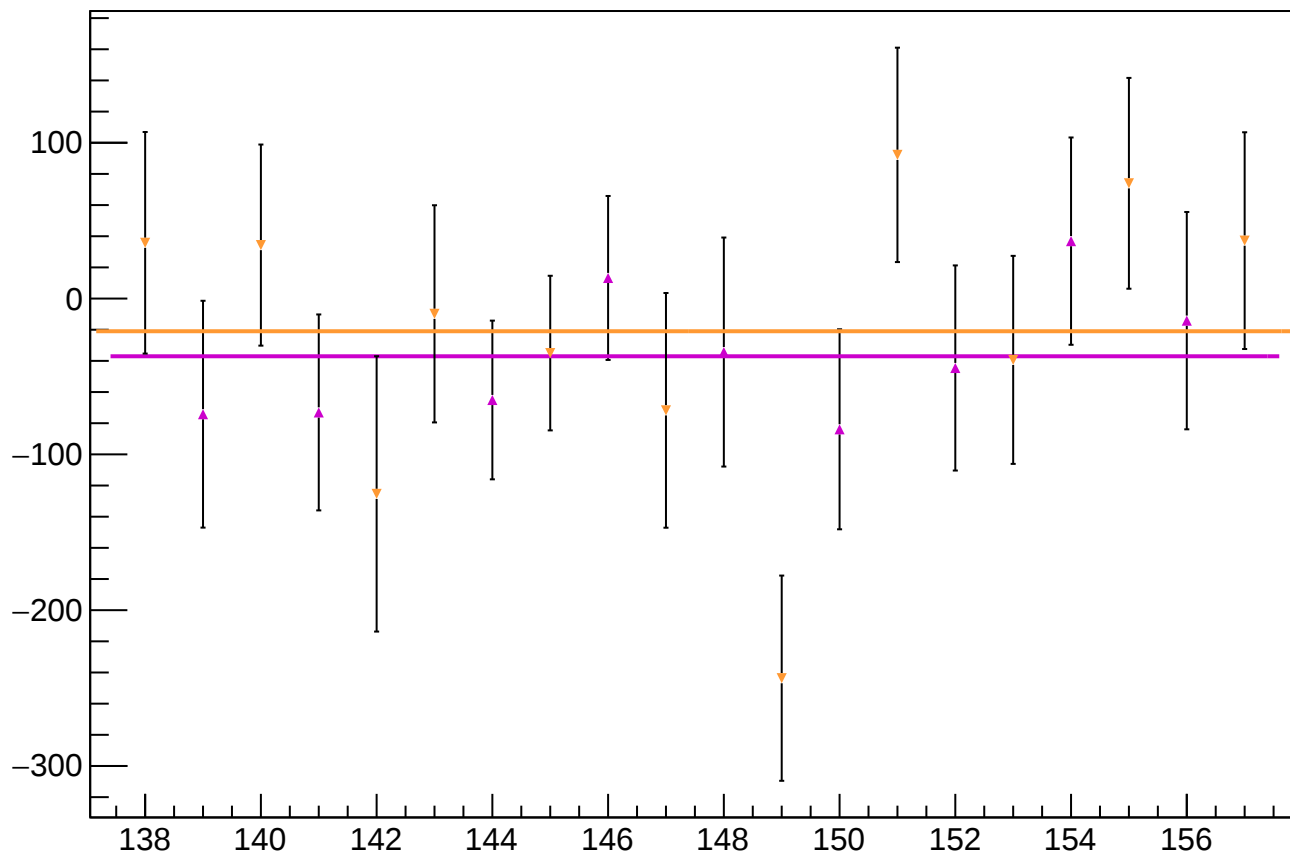
Left In: 360.162+/-0.095 χ^2/NDF : 154759.3/8

359.596+/-0.090 χ^2/NDF : 316821.2/10

359.865+/-0.065 χ^2/NDF : 471599.2/19

360.162+/-0.095 χ^2/NDF : 154759.3/8

reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -20.972+/-20.221 χ^2/NDF : 20.2/10

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

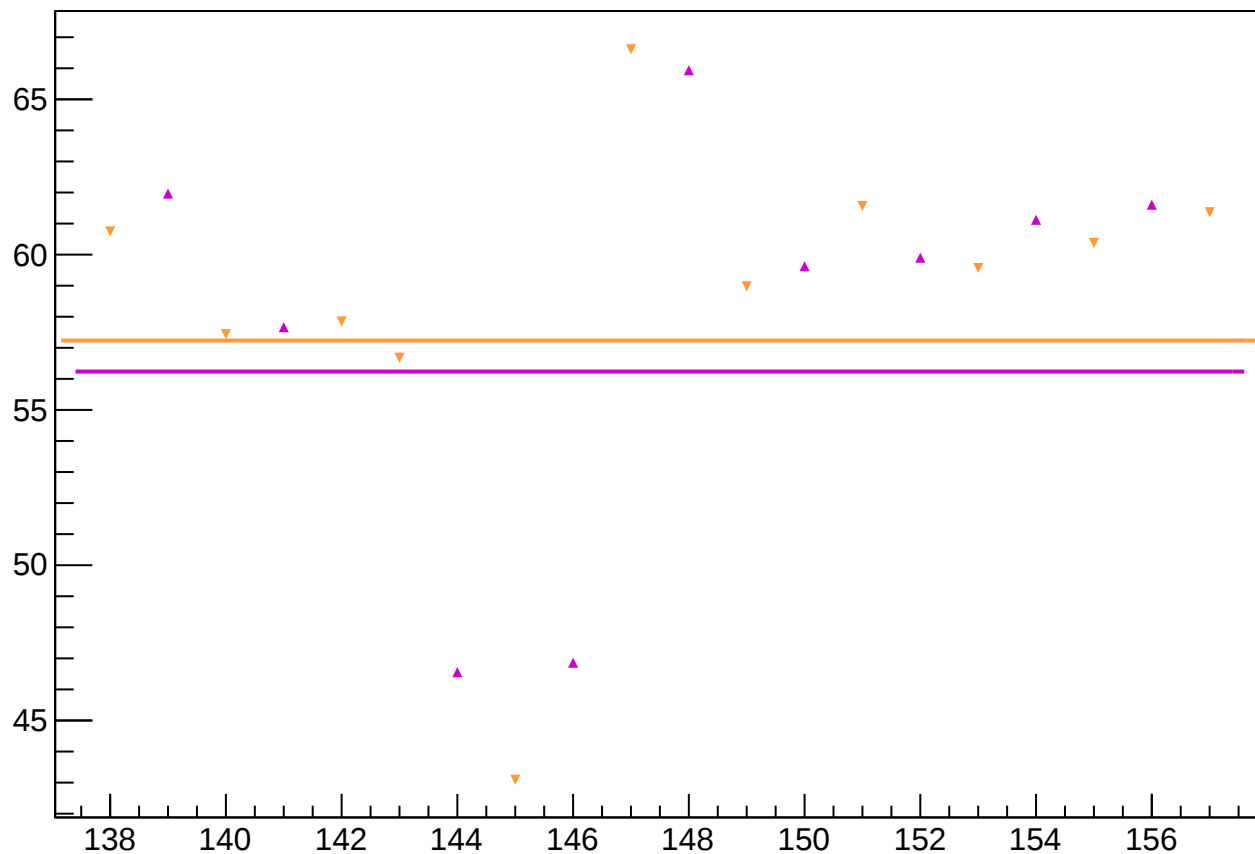
Left In: -37.040+/-20.950 χ^2/NDF : 3.7/8

-20.972+/-20.221 χ^2/NDF : 20.2/10

-28.722+/-14.549 χ^2/NDF : 24.2/19

-37.040+/-20.950 χ^2/NDF : 3.7/8

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 57.234 $\pm$ 0.014 χ^2/NDF :221706.9/10

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

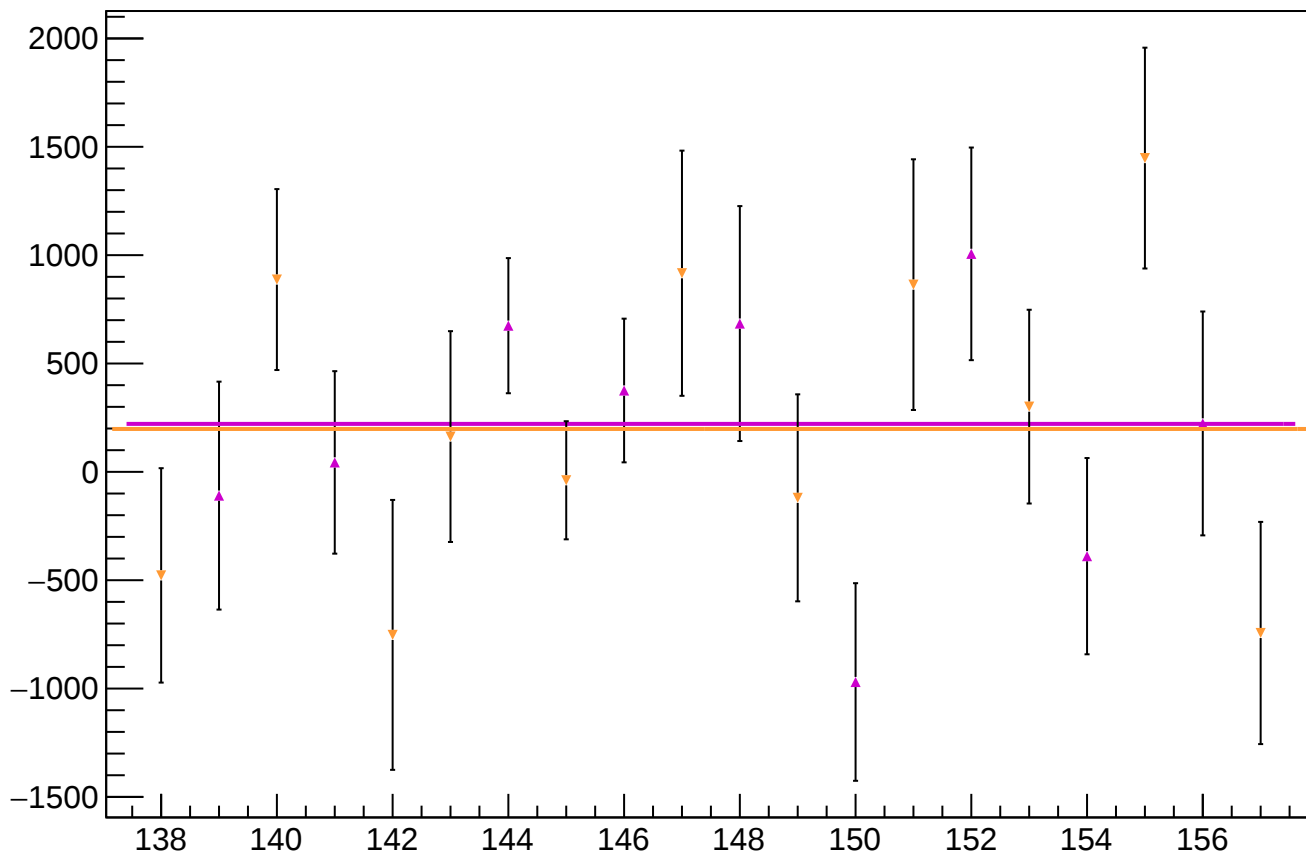
Left In: 56.235 $\pm$ 0.015 χ^2/NDF :218458.9/8

57.234 $\pm$ 0.014 χ^2/NDF : 221706.9/10

56.752 $\pm$ 0.010 χ^2/NDF : 442517.6/19

56.235 $\pm$ 0.015 χ^2/NDF : 218458.9/8

asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 197.936+/-137.036 χ^2/NDF : 20.5/10

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

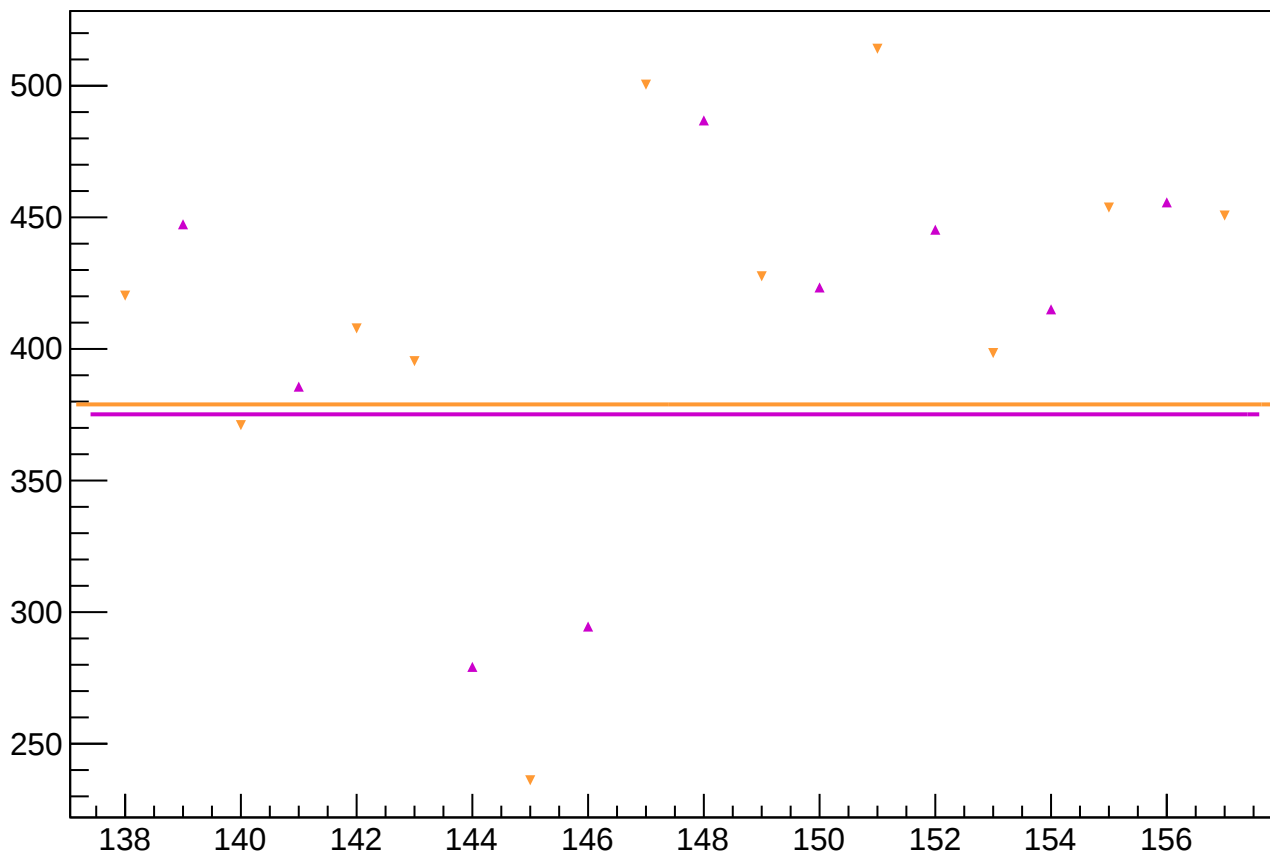
Left In: 221.383+/-141.945 χ^2/NDF : 14.8/8

197.936+/-137.036 χ^2/NDF : 20.5/10

209.247+/-98.589 χ^2/NDF : 35.4/19

221.383+/-141.945 χ^2/NDF : 14.8/8

asym_sam_15_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 378.929+/-0.097 χ^2/NDF : 878854.4/10

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

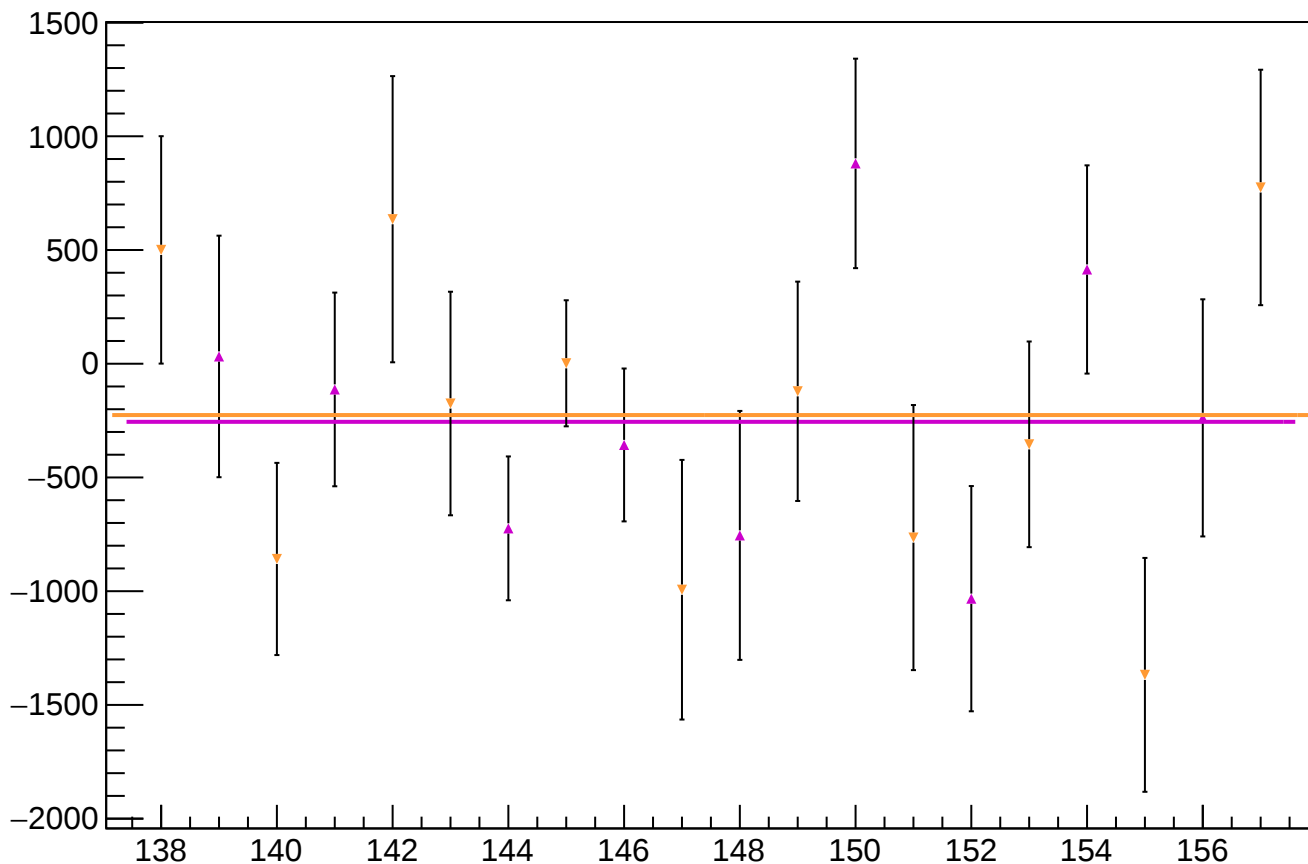
Left In: 375.157+/-0.100 χ^2/NDF : 558969.4/8

378.929+/-0.097 χ^2/NDF : 878854.4/10

377.110+/-0.070 χ^2/NDF : 1438554.8/19

375.157+/-0.100 χ^2/NDF : 558969.4/8

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -225.662+/-138.646 χ^2/NDF : 18.4/10

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

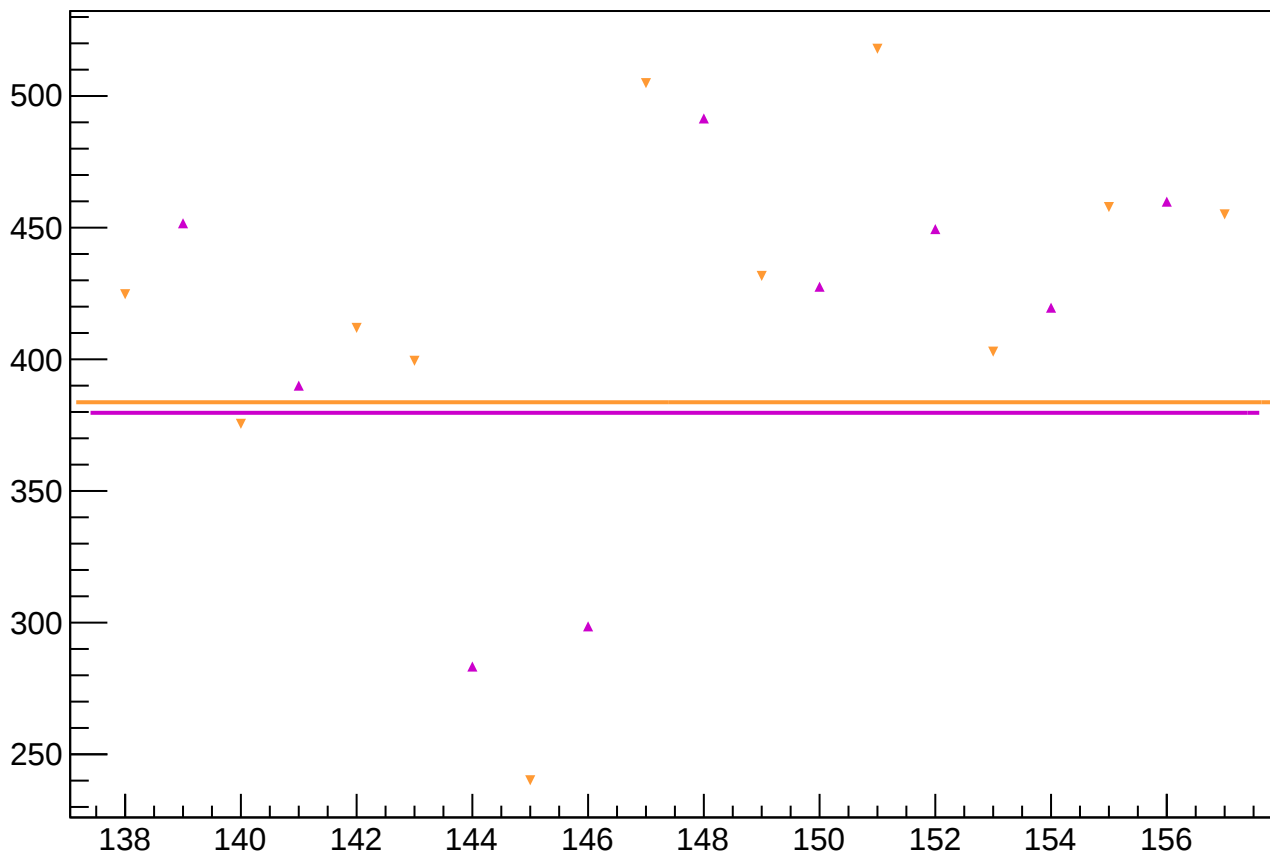
Left In: -255.402+/-143.580 χ^2/NDF : 14.2/8

-225.662+/-138.646 χ^2/NDF : 18.4/10

-240.012+/-99.736 χ^2/NDF : 32.6/19

-255.402+/-143.580 χ^2/NDF : 14.2/8

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 383.696+/-0.098 χ^2/NDF : 856428.4/10

383.696+/-0.098 χ^2/NDF : 856428.4/10

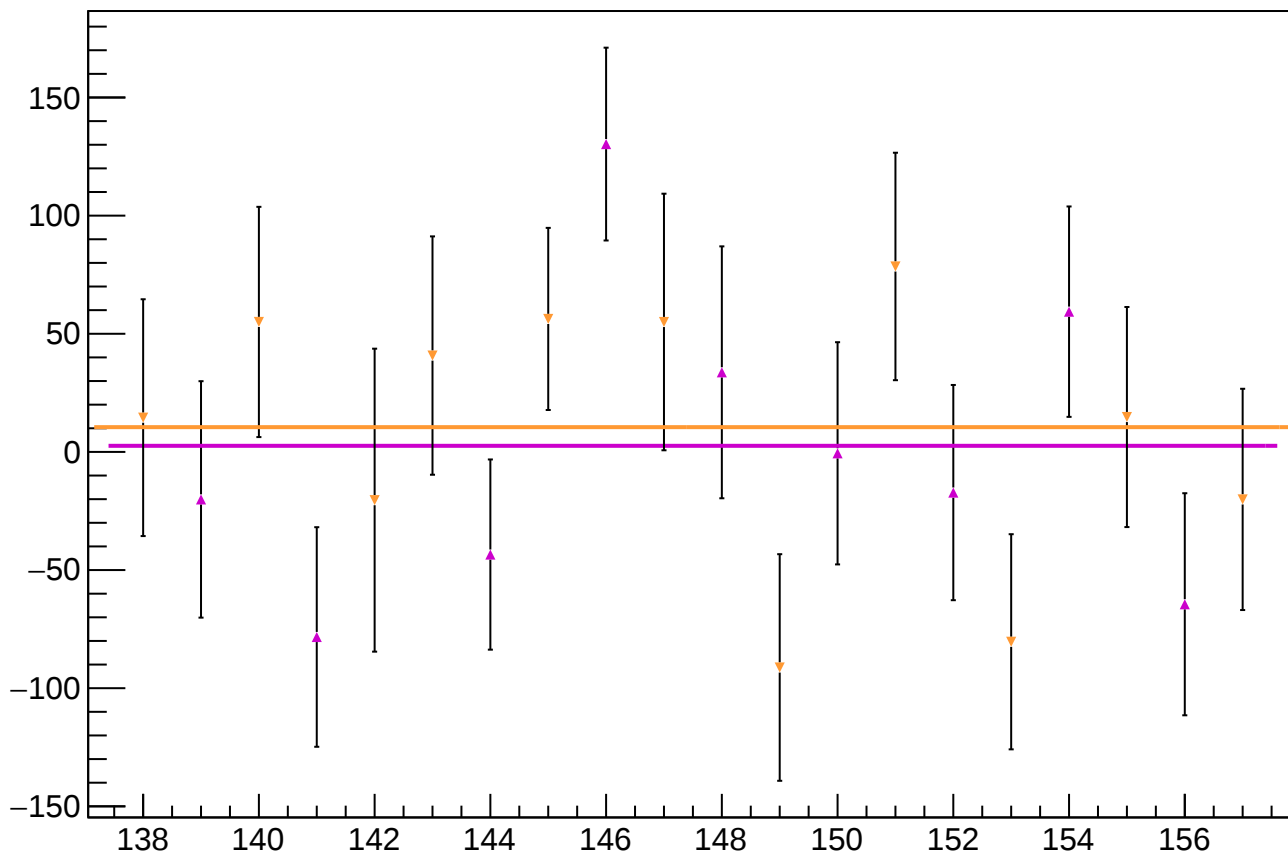
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

381.761+/-0.071 χ^2/NDF : 1404736.1/19

Left In: 379.685+/-0.102 χ^2/NDF : 547499.7/8

379.685+/-0.102 χ^2/NDF : 547499.7/8

reg_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 10.481 $\pm$ 14.533 χ^2 /NDF:14.4/10

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

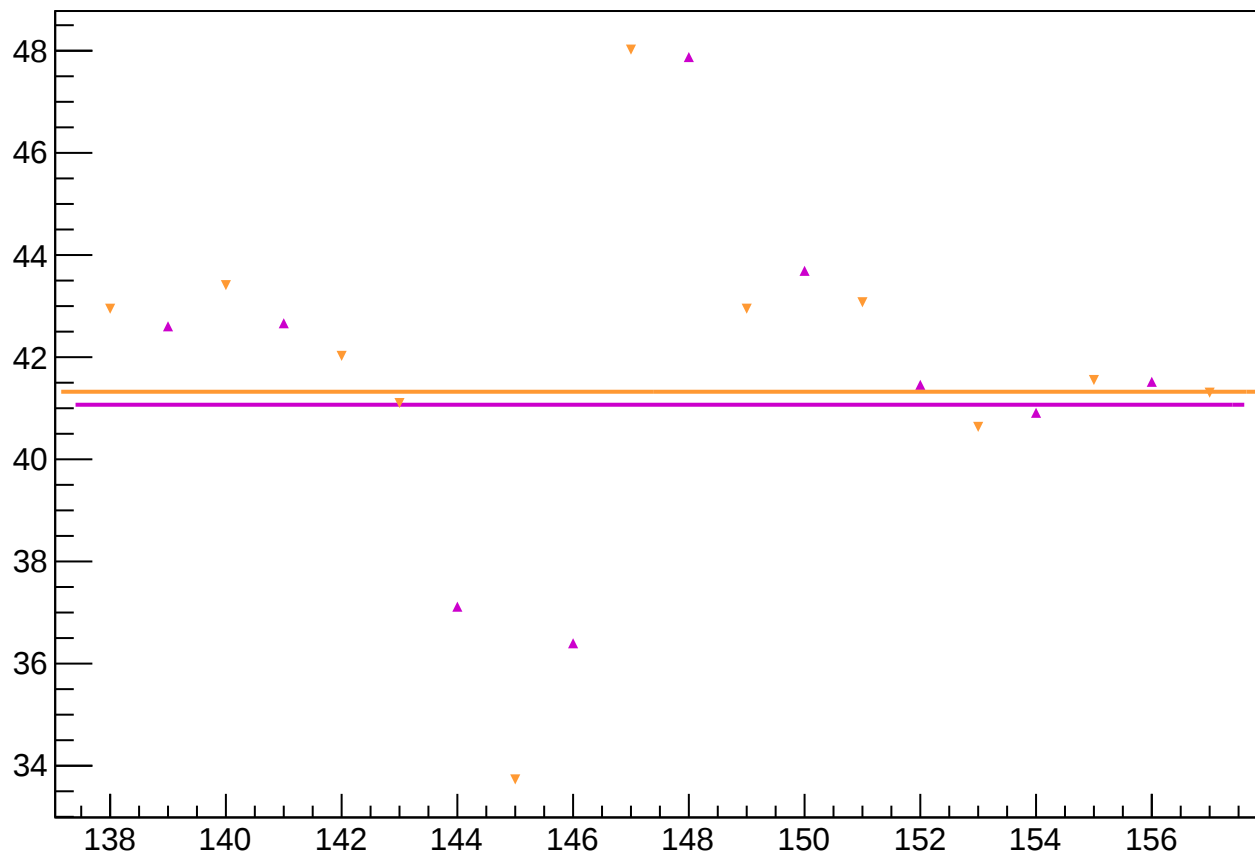
Left In: 2.584 $\pm$ 15.207 χ^2 /NDF:18.5/8

10.481 $\pm$ 14.533 χ^2 /NDF: 14.4/10

6.712 $\pm$ 10.507 χ^2 /NDF: 33.1/19

2.584 $\pm$ 15.207 χ^2 /NDF: 18.5/8

reg_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 41.323 $\pm$ 0.010 χ^2/NDF : 119537.8/10

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

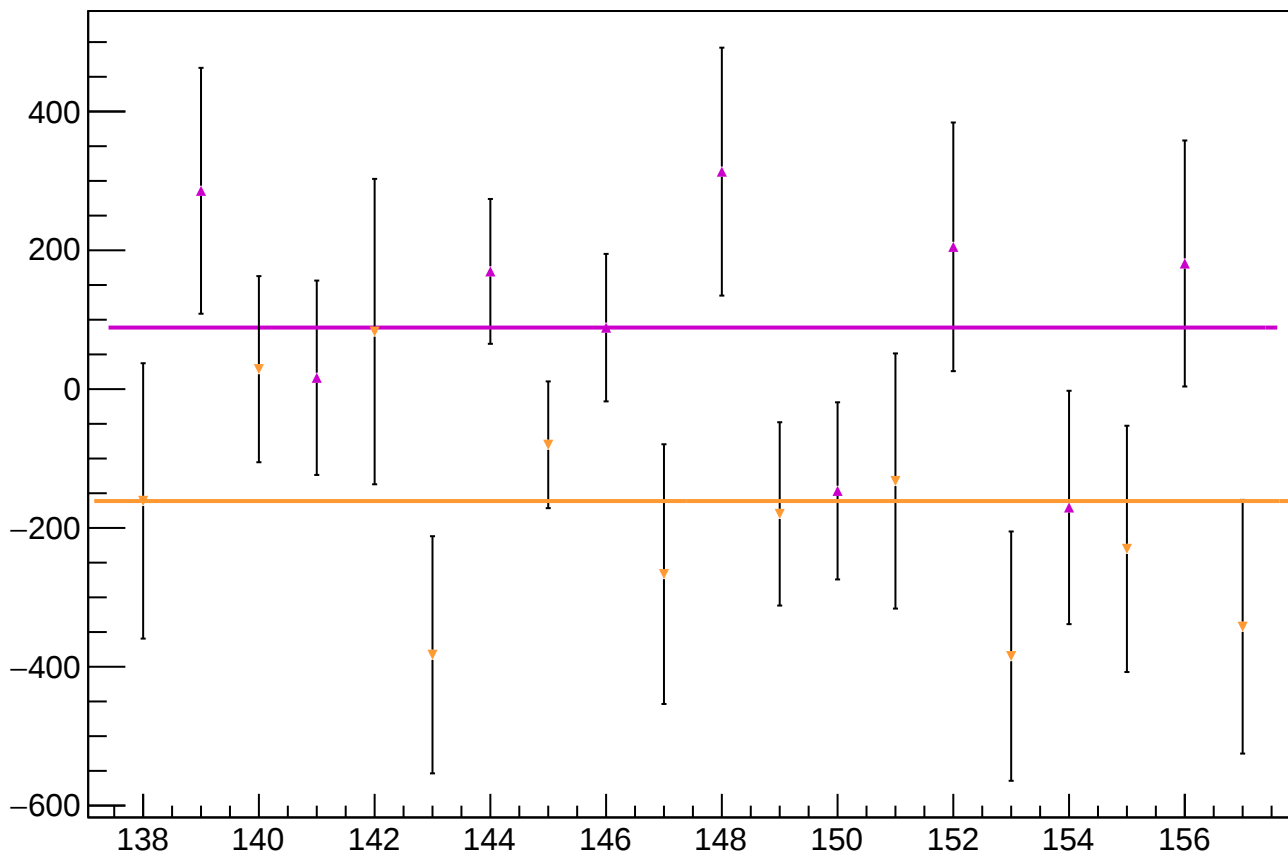
Left In: 41.069 $\pm$ 0.011 χ^2/NDF : 88946.1/8

41.323 $\pm$ 0.010 χ^2/NDF : 119537.8/10

41.202 $\pm$ 0.007 χ^2/NDF : 208777.0/19

41.069 $\pm$ 0.011 χ^2/NDF : 88946.1/8

asym_sam_37_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -161.253+/-46.417 χ^2/NDF : 8.8/10

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

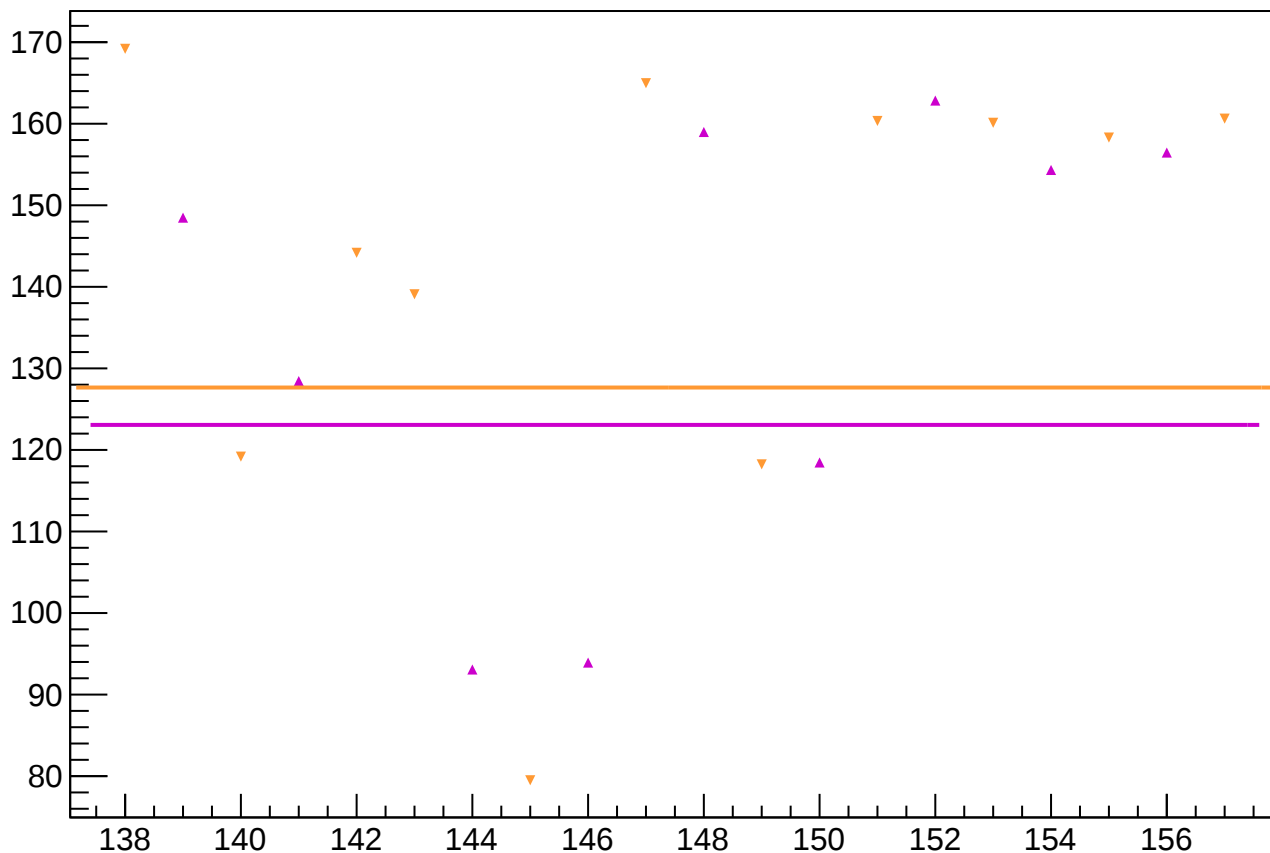
Left In: 88.702+/-46.909 χ^2/NDF : 10.2/8

-161.253+/-46.417 χ^2/NDF : 8.8/10

-37.593+/-32.994 χ^2/NDF : 33.3/19

88.702+/-46.909 χ^2/NDF : 10.2/8

asym_sam_37_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 127.652+/-0.033 χ^2/NDF : 1015504.8/10

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

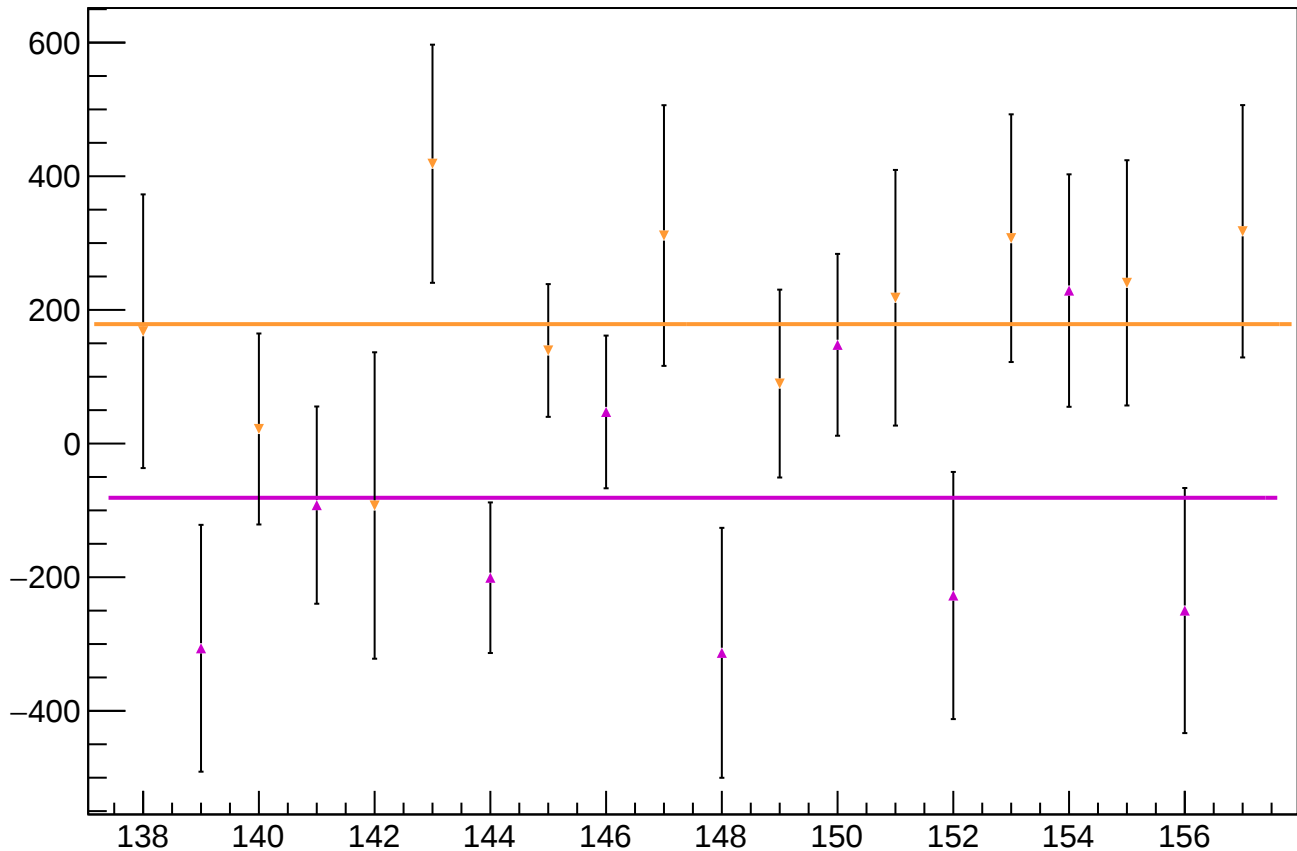
Left In: 123.069+/-0.033 χ^2/NDF : 682116.8/8

127.652+/-0.033 χ^2/NDF : 1015504.8/10

125.385+/-0.023 χ^2/NDF : 1707271.4/19

123.069+/-0.033 χ^2/NDF : 682116.8/8

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 178.713+/-49.041 χ^2/NDF : 6.6/10

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

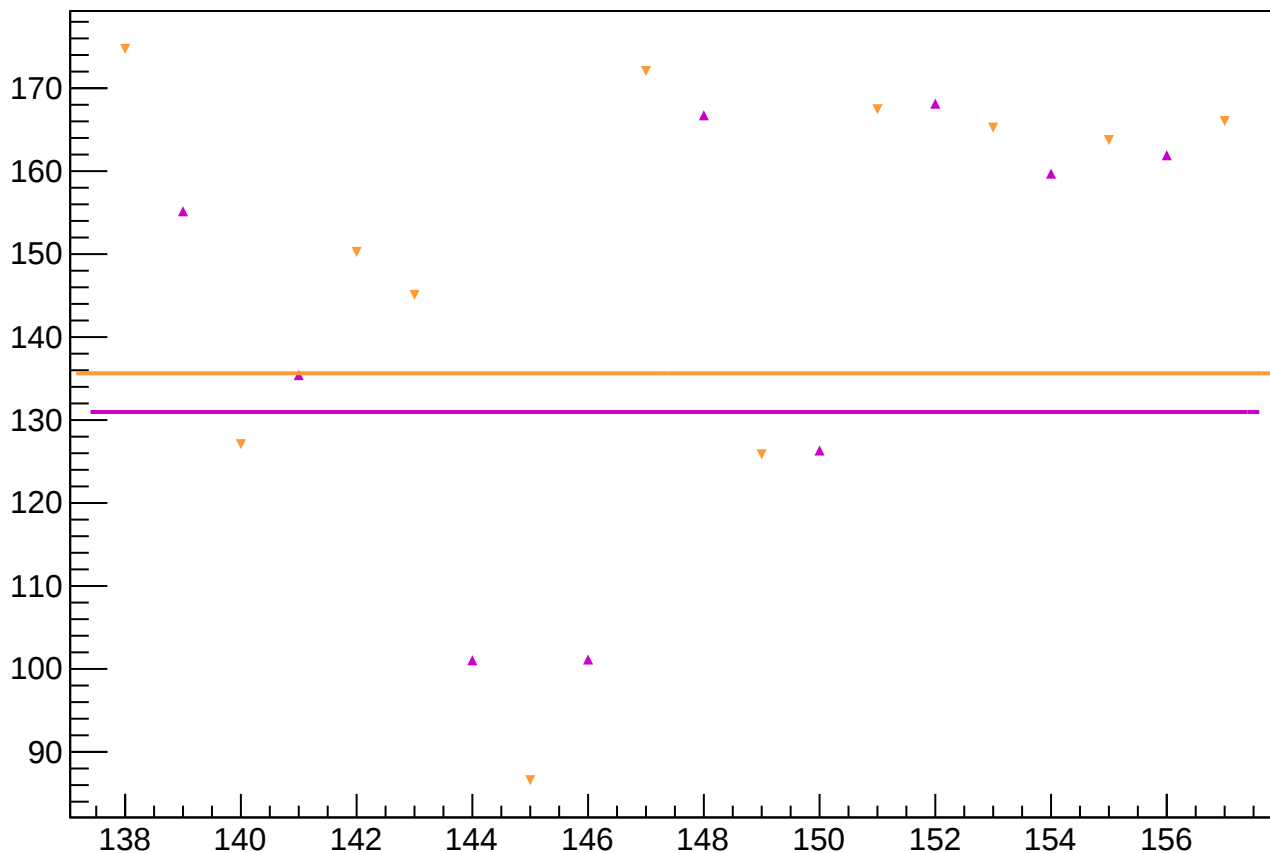
Left In: -81.139+/-49.676 χ^2/NDF : 12.9/8

178.713+/-49.041 χ^2/NDF : 6.6/10

50.457+/-34.899 χ^2/NDF : 33.4/19

-81.139+/-49.676 χ^2/NDF : 12.9/8

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 135.636+/-0.035 χ^2/NDF : 866119.4/10

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

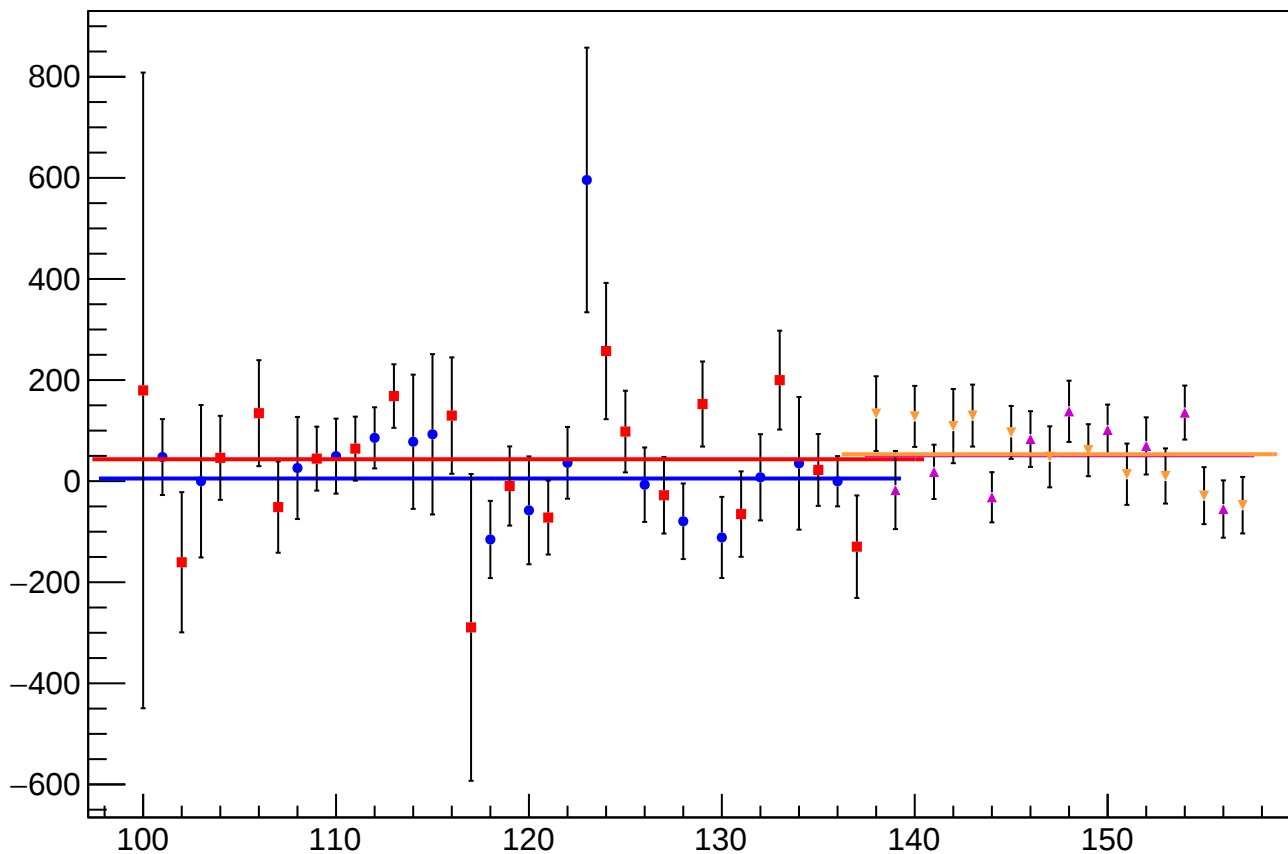
Left In: 130.971+/-0.035 χ^2/NDF : 581300.8/8

135.636+/-0.035 χ^2/NDF : 866119.4/10

133.334+/-0.025 χ^2/NDF : 1456352.9/19

130.971+/-0.035 χ^2/NDF : 581300.8/8

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: 53.254 $\pm$ 17.769 χ^2 /NDF:12.0/10

Right Out: 43.354 $\pm$ 19.371 χ^2 /NDF: 25.6/19

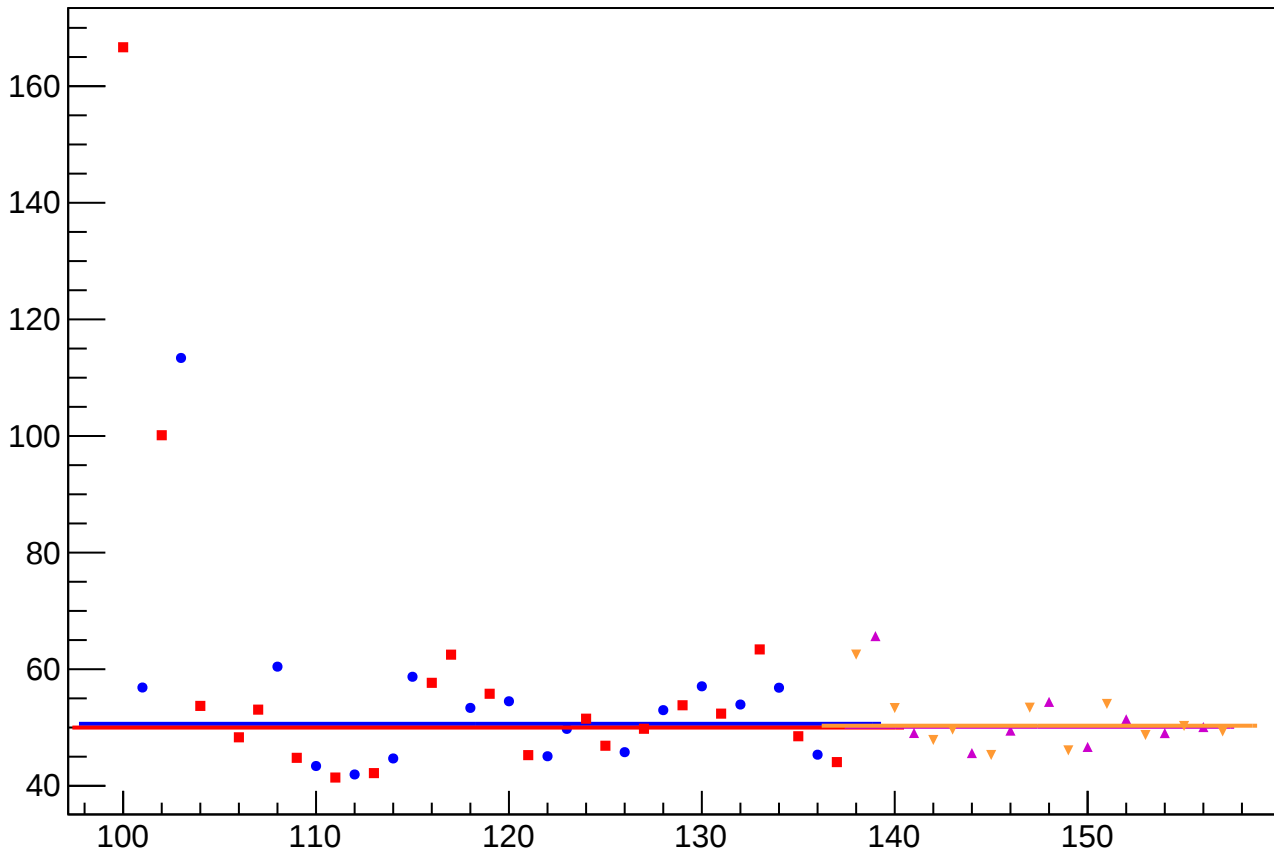
Left In: 51.145 $\pm$ 18.600 χ^2 /NDF:13.5/8

32.241 $\pm$ 13.328 χ^2 /NDF: 29.9/27

39.774 $\pm$ 9.455 χ^2 /NDF: 69.7/56

47.407 $\pm$ 13.416 χ^2 /NDF: 39.2/28

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 50.635 $\pm$ 0.014 χ^2 /NDF: 519687.1/16

Left Out: 50.312 $\pm$ 0.013 χ^2 /NDF: 108927.6/10

Right Out: 49.994 $\pm$ 0.014 χ^2 /NDF: 503898.1/19

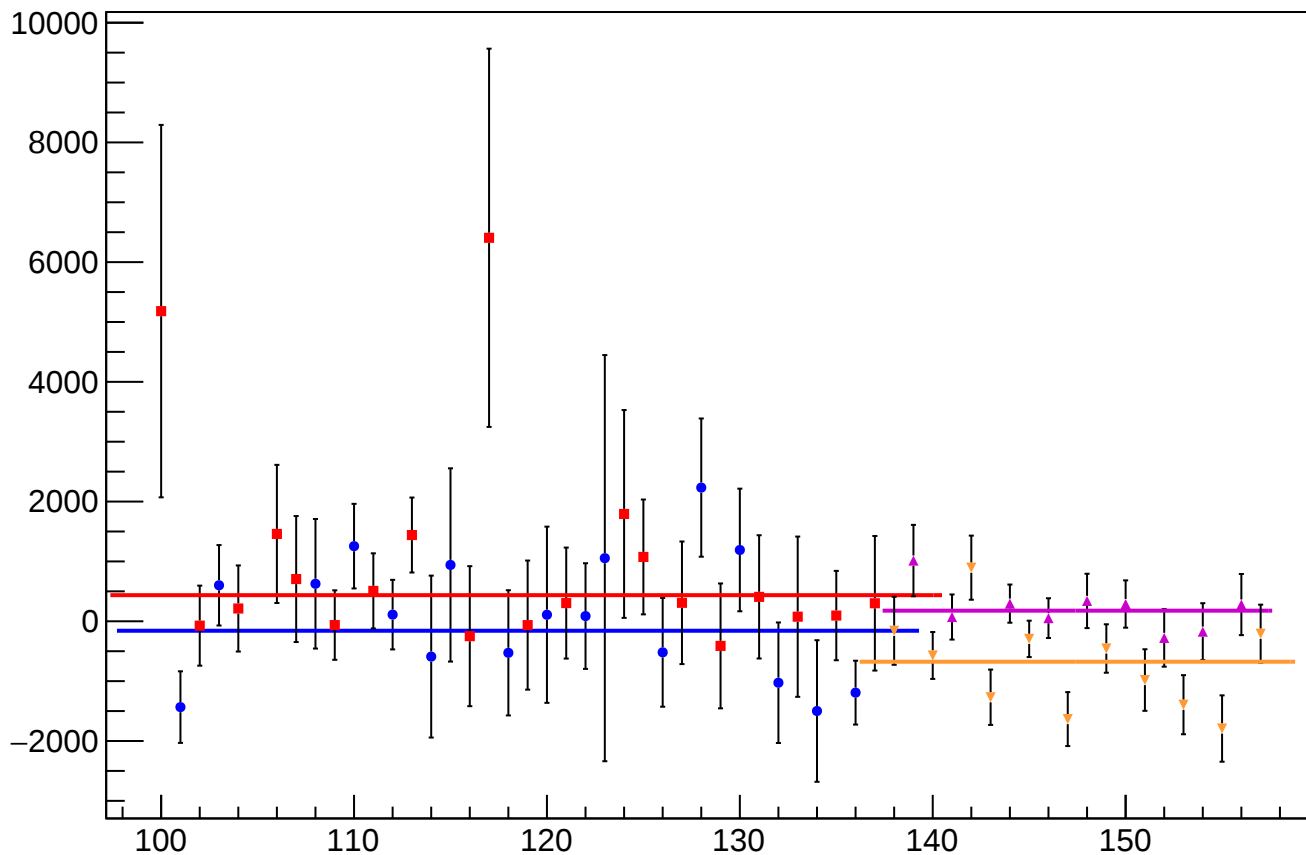
Left In: 50.125 $\pm$ 0.013 χ^2 /NDF: 119679.7/8

50.453 $\pm$ 0.009 χ^2 /NDF: 628904.1/27

50.259 $\pm$ 0.007 χ^2 /NDF: 1253383.5/56

50.062 $\pm$ 0.009 χ^2 /NDF: 623625.7/28

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



Right In: -158.001 $\pm$ 210.181 χ^2 /NDF: 23.5/16

Left Out: -675.611 $\pm$ 134.809 χ^2 /NDF: 25.0/10

Right Out: 436.410 $\pm$ 203.212 χ^2 /NDF: 13.4/19

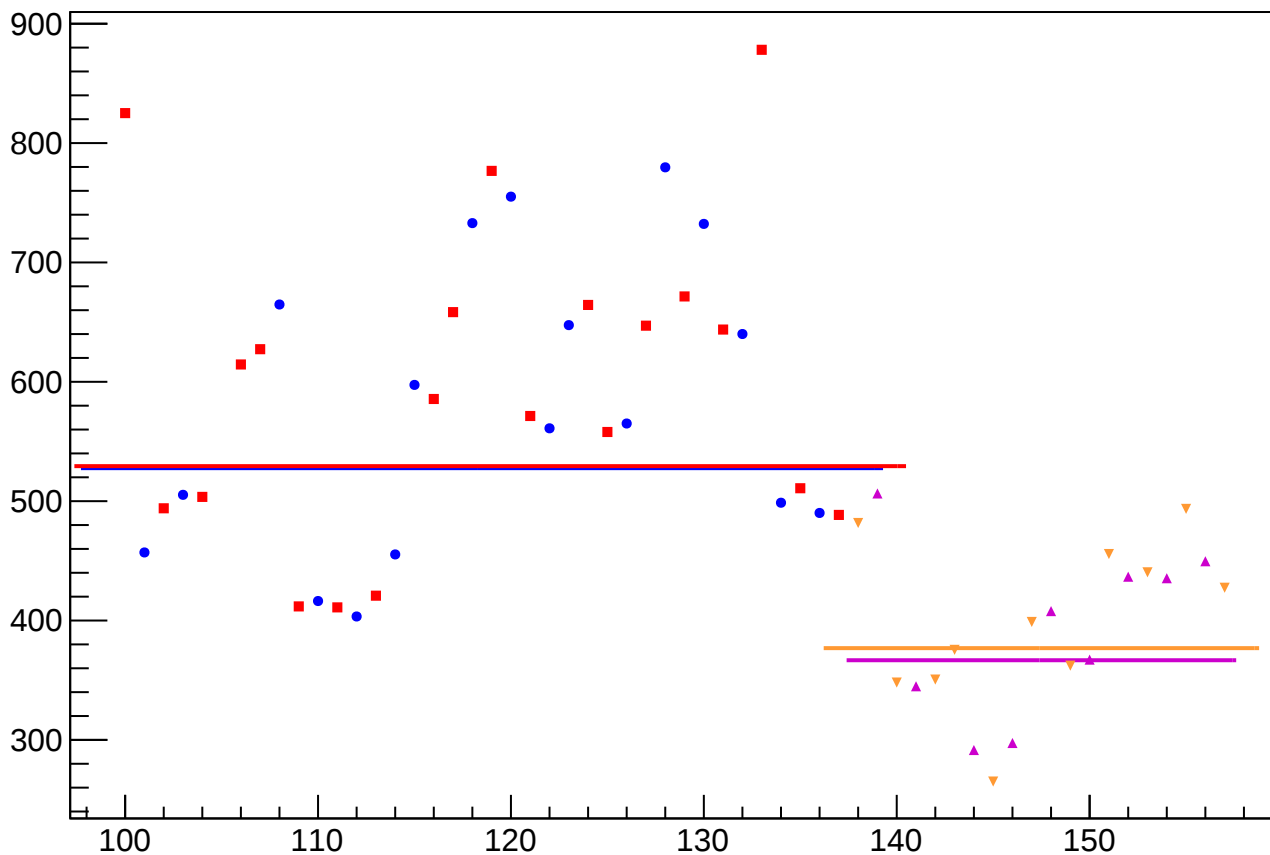
Left In: 177.381 $\pm$ 137.894 χ^2 /NDF: 4.0/8

-524.740 $\pm$ 113.474 χ^2 /NDF: 52.8/27

-135.016 $\pm$ 80.460 χ^2 /NDF: 95.0/56

259.049 $\pm$ 114.104 χ^2 /NDF: 18.5/28

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



Right In: 527.663 $\pm$ 0.149 χ^2 /NDF: 557423.6/16

Left Out: 376.869 $\pm$ 0.095 χ^2 /NDF: 552087.4/10

Right Out: 529.342 $\pm$ 0.144 χ^2 /NDF: 626714.3/19

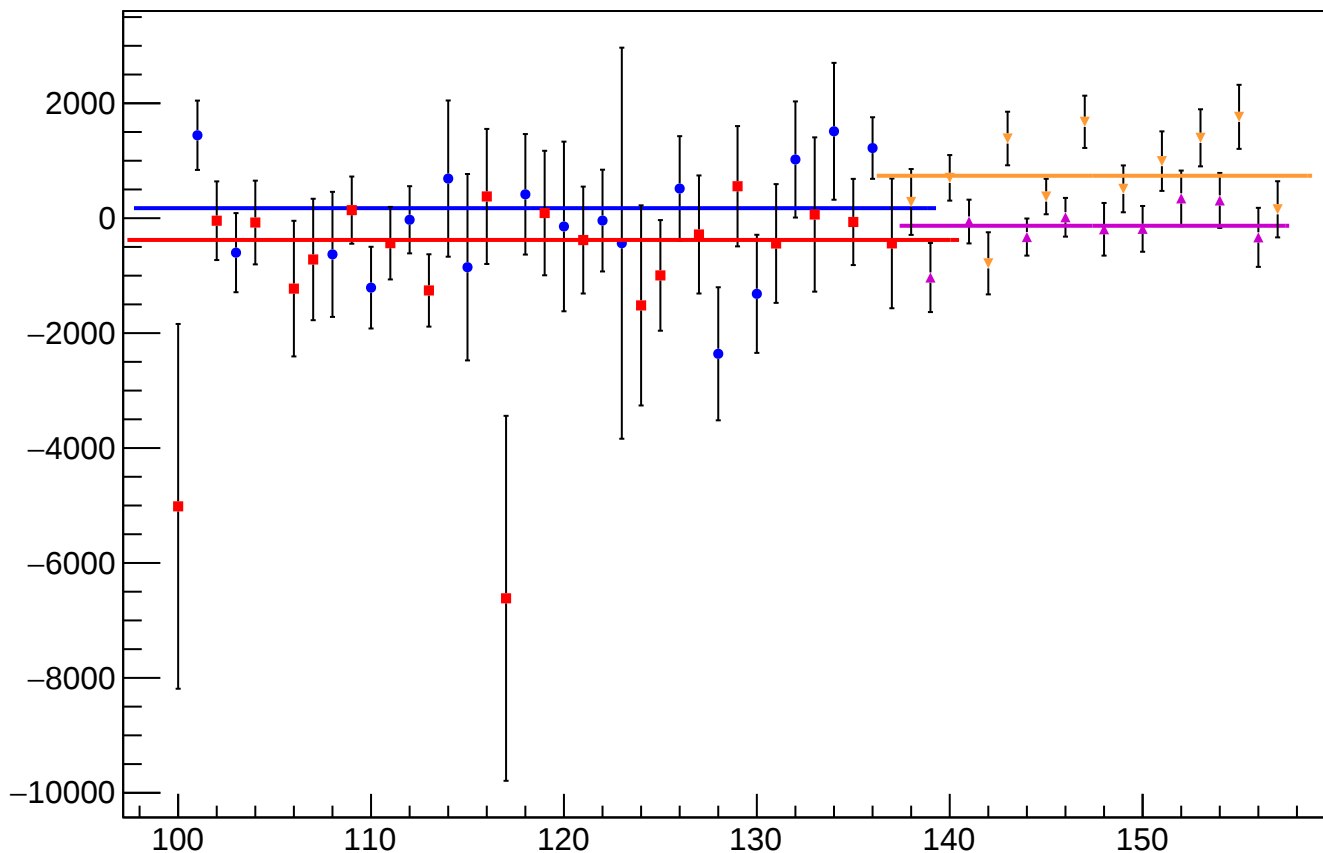
Left In: 366.737 $\pm$ 0.098 χ^2 /NDF: 468294.8/8

420.822 $\pm$ 0.080 χ^2 /NDF: 1838912.7/27

419.421 $\pm$ 0.057 χ^2 /NDF: 3811354.1/56

418.004 $\pm$ 0.081 χ^2 /NDF: 1971828.2/28

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 174.605 $\pm$ 211.662 χ^2/NDF : 23.7/16

Left Out: 738.461 $\pm$ 136.126 χ^2/NDF : 23.3/10

Right Out: -378.609 $\pm$ 204.777 χ^2/NDF : 12.3/19

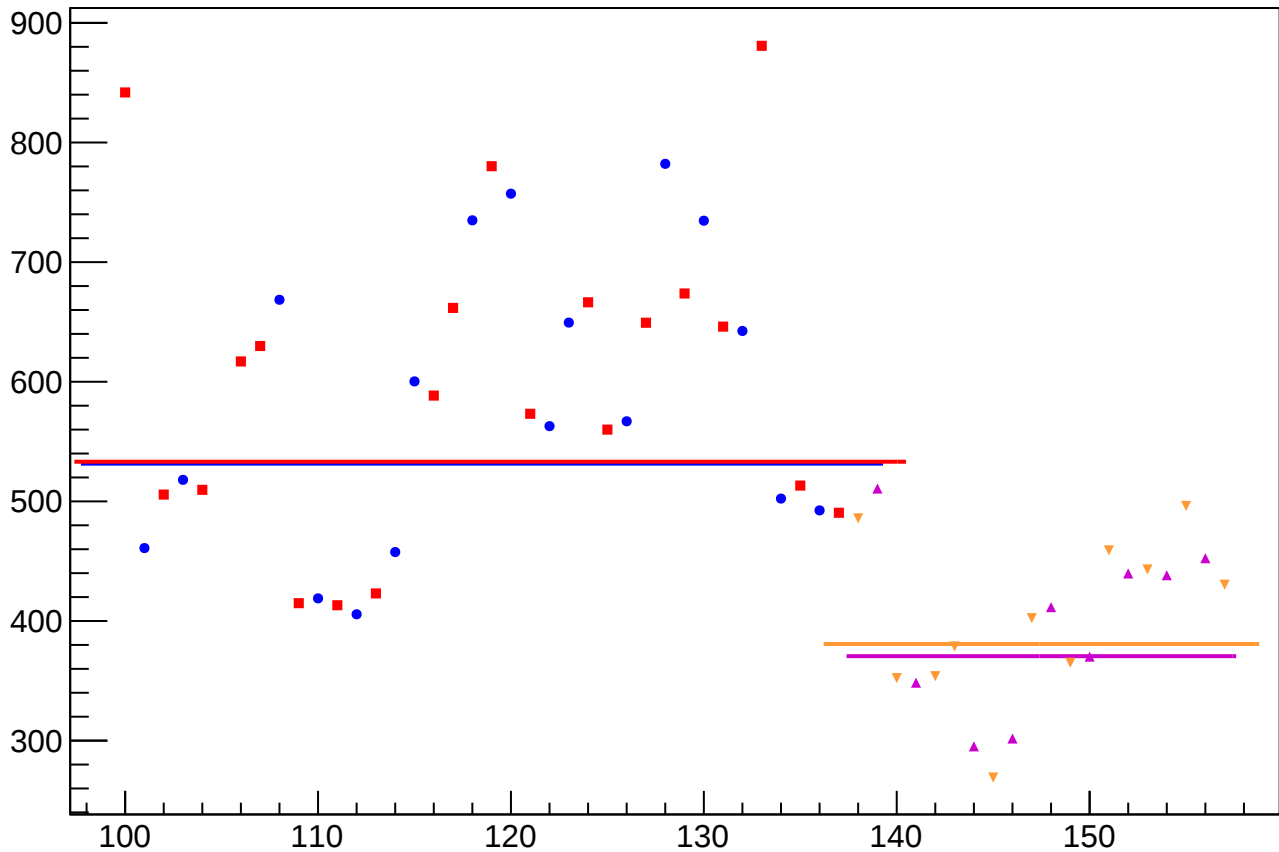
Left In: -131.785 $\pm$ 139.277 χ^2/NDF : 4.9/8

573.481 $\pm$ 114.492 χ^2/NDF : 52.0/27

184.108 $\pm$ 81.195 χ^2/NDF : 93.4/56

-209.851 $\pm$ 115.164 χ^2/NDF : 18.1/28

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 531.554 $\pm$ 0.150 χ^2 /NDF: 550087.6/16

Left Out: 380.754 $\pm$ 0.096 χ^2 /NDF: 535261.1/10

Right Out: 533.157 $\pm$ 0.145 χ^2 /NDF: 619038.4/19

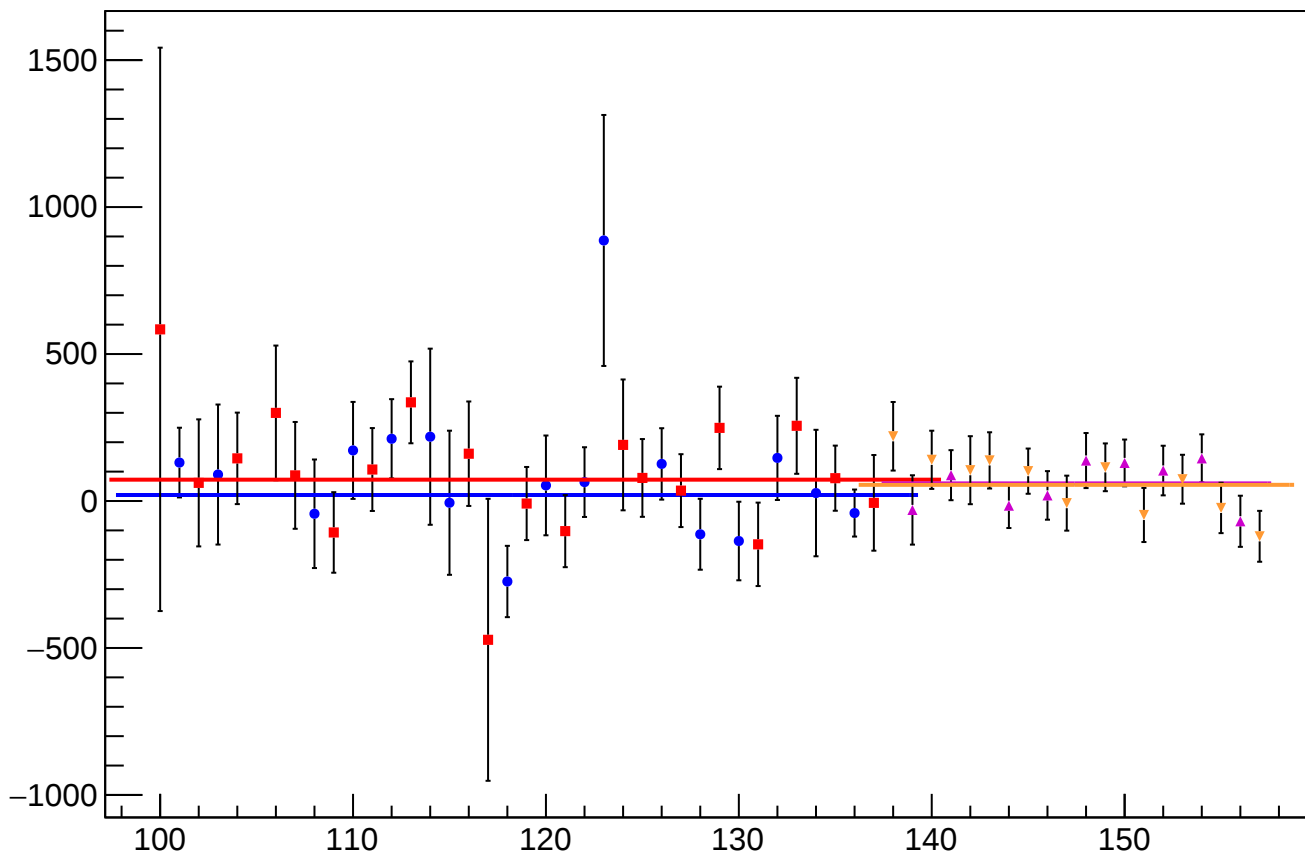
Left In: 370.605 $\pm$ 0.098 χ^2 /NDF: 455583.4/8

424.877 $\pm$ 0.081 χ^2 /NDF: 1803502.4/27

423.455 $\pm$ 0.057 χ^2 /NDF: 3740400.4/56

422.017 $\pm$ 0.081 χ^2 /NDF: 1936277.7/28

reg_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 20.441 $\pm$ 34.583 χ^2 /NDF: 19.3/16

Left Out: 55.032 $\pm$ 27.459 χ^2 /NDF:11.3/10

Right Out: 72.603 $\pm$ 34.608 χ^2 /NDF: 16.7/19

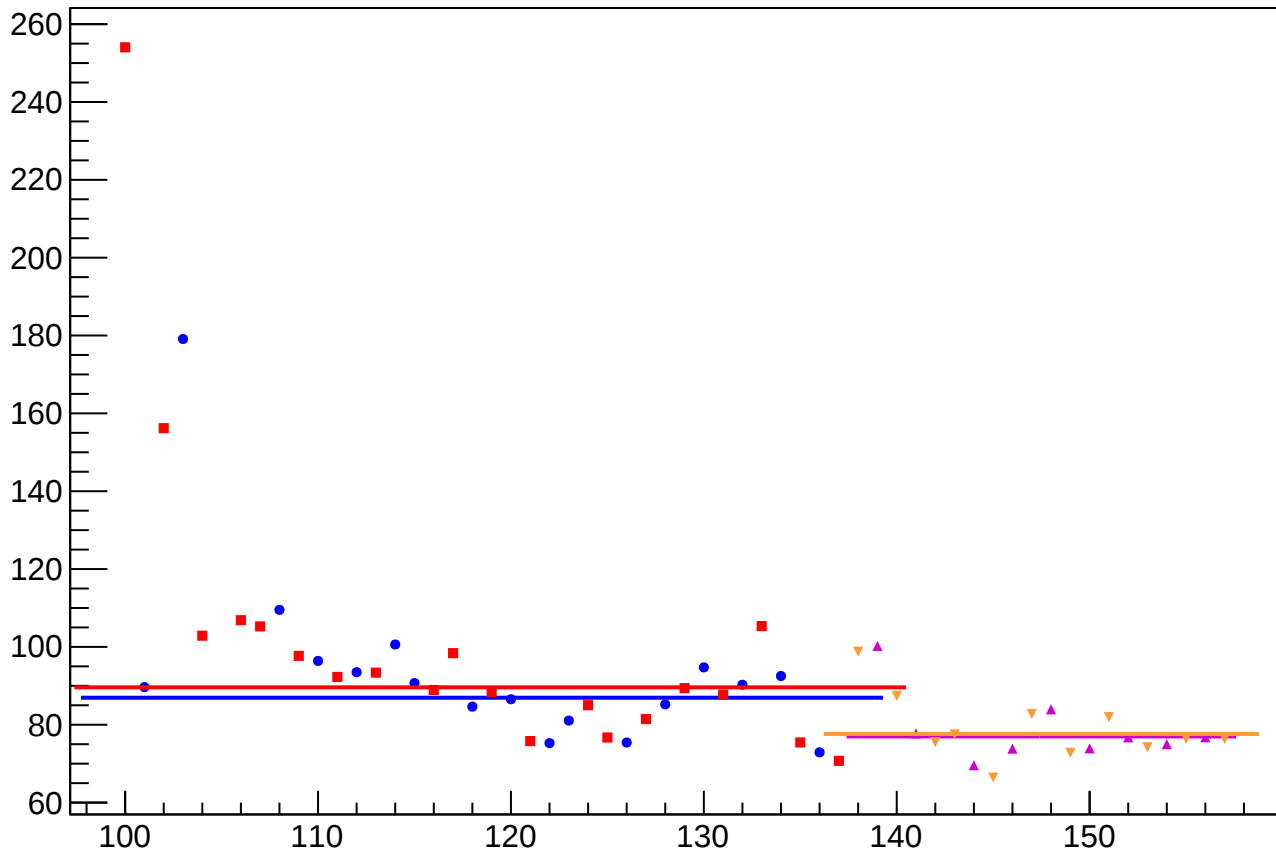
Left In: 59.870 $\pm$ 28.591 χ^2 /NDF:6.9/8

41.657 $\pm$ 21.505 χ^2 /NDF: 31.1/27

53.057 $\pm$ 15.393 χ^2 /NDF: 55.4/56

65.035 $\pm$ 22.042 χ^2 /NDF: 23.7/28

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 86.943 $\pm$ 0.024 χ^2 /NDF: 455809.4/16

Left Out: 77.630 $\pm$ 0.019 χ^2 /NDF:150047.2/10

Right Out: 89.607 $\pm$ 0.024 χ^2 /NDF: 431905.8/19

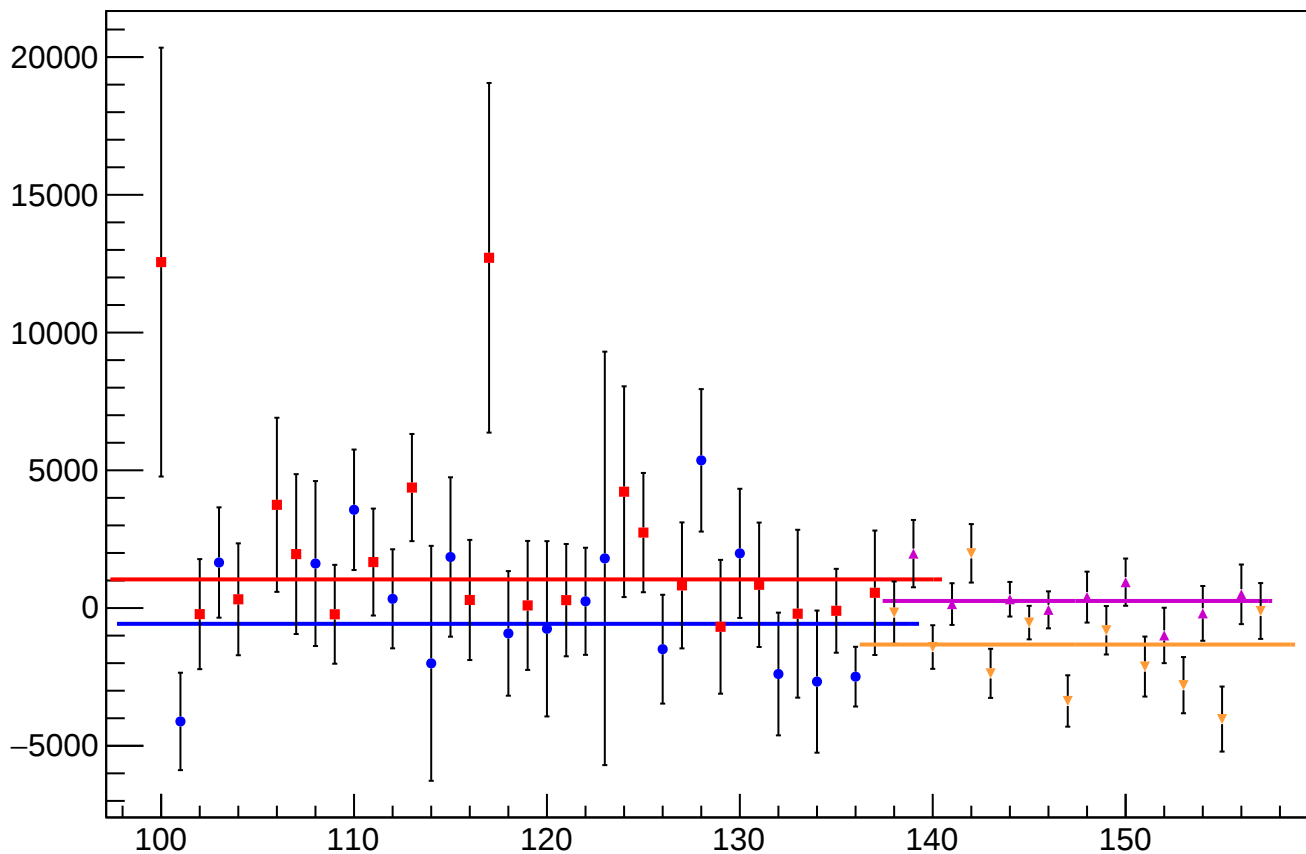
Left In: 76.993 $\pm$ 0.020 χ^2 /NDF:114899.3/8

81.231 $\pm$ 0.015 χ^2 /NDF: 694798.7/27

81.660 $\pm$ 0.011 χ^2 /NDF: 1401155.9/56

82.110 $\pm$ 0.016 χ^2 /NDF: 704729.5/28

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



Right In: -572.342 ± 517.020 χ^2/NDF : 21.9/16

Left Out: -1324.009 ± 275.617 χ^2/NDF : 28.4/10

Right Out: 1040.618 ± 512.937 χ^2/NDF : 13.5/19

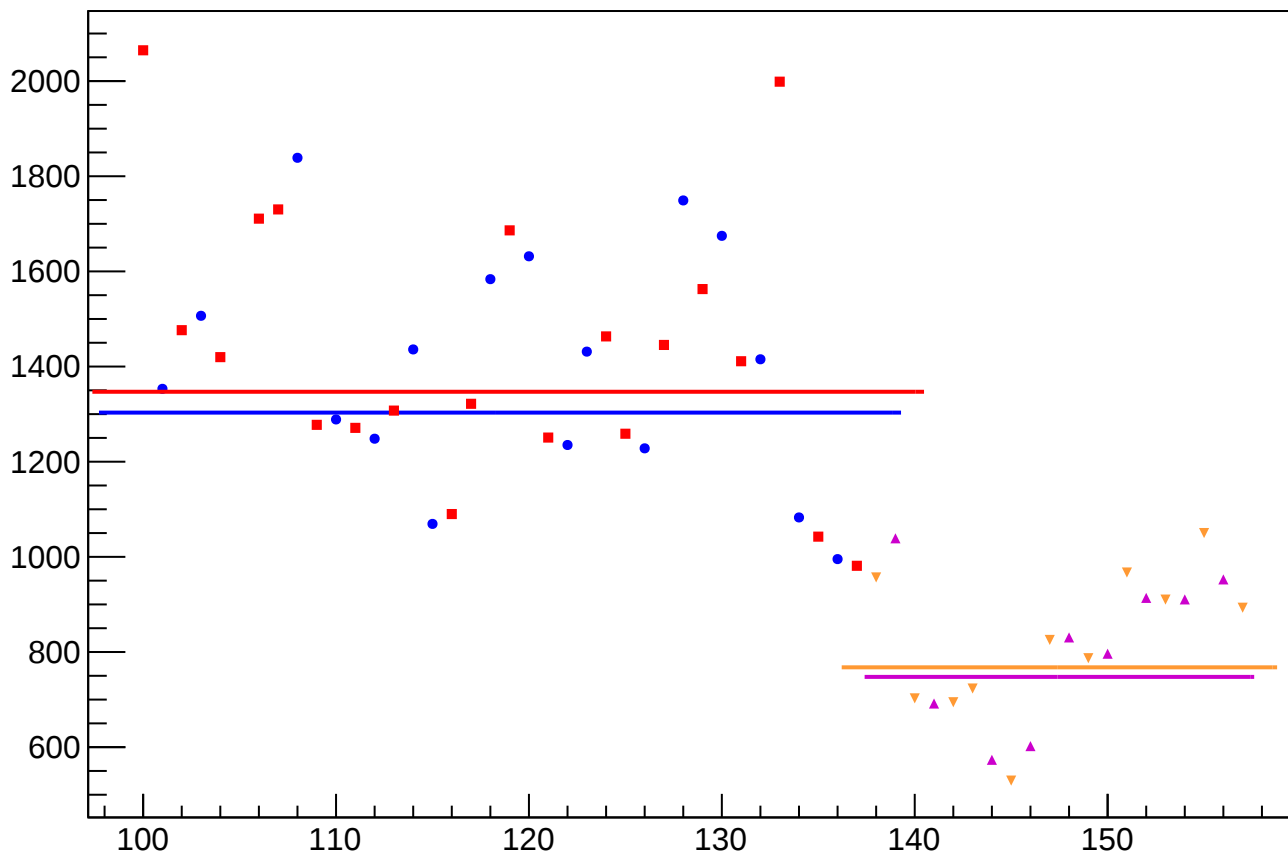
Left In: 257.705 ± 282.204 χ^2/NDF : 4.7/8

-1157.669 ± 243.217 χ^2/NDF : 51.9/27

-372.169 ± 173.390 χ^2/NDF : 93.1/56

439.620 ± 247.253 χ^2/NDF : 20.0/28

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



Right In: 1303.201+/-0.366 χ^2/NDF : 451961.9/16

Left Out: 767.803+/-0.195 χ^2/NDF : 649562.6/10

Right Out: 1347.011+/-0.363 χ^2/NDF : 420806.0/19

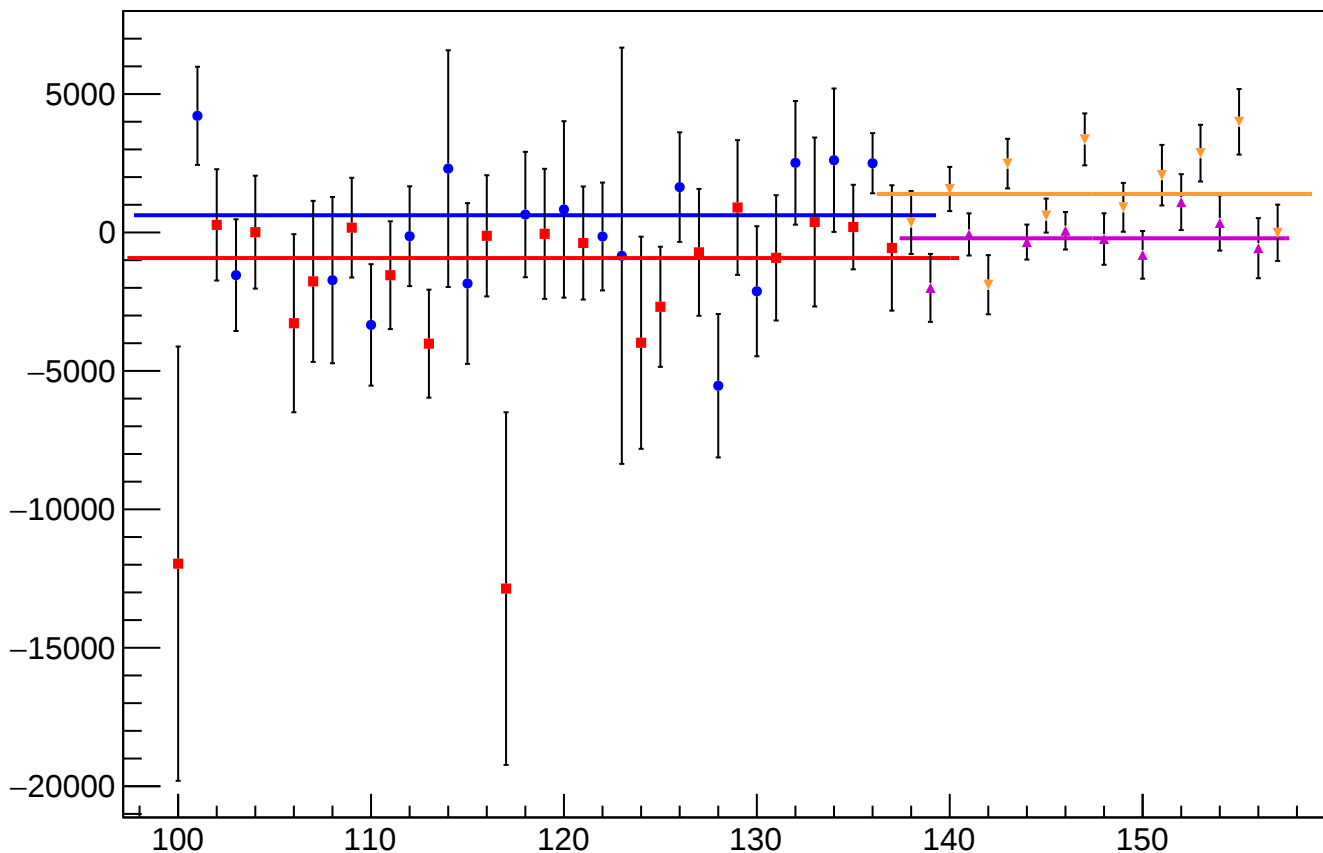
Left In: 747.704+/-0.200 χ^2/NDF : 575012.6/8

886.284+/-0.172 χ^2/NDF : 2771620.0/27

886.615+/-0.123 χ^2/NDF : 5863293.4/56

886.957+/-0.175 χ^2/NDF : 3091665.9/28

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 622.411 $\pm$ 518.496 χ^2 /NDF: 22.0/16

Left Out: 1391.368 $\pm$ 277.197 χ^2 /NDF:27.3/10

Right Out: -924.488 $\pm$ 514.636 χ^2 /NDF: 12.6/19

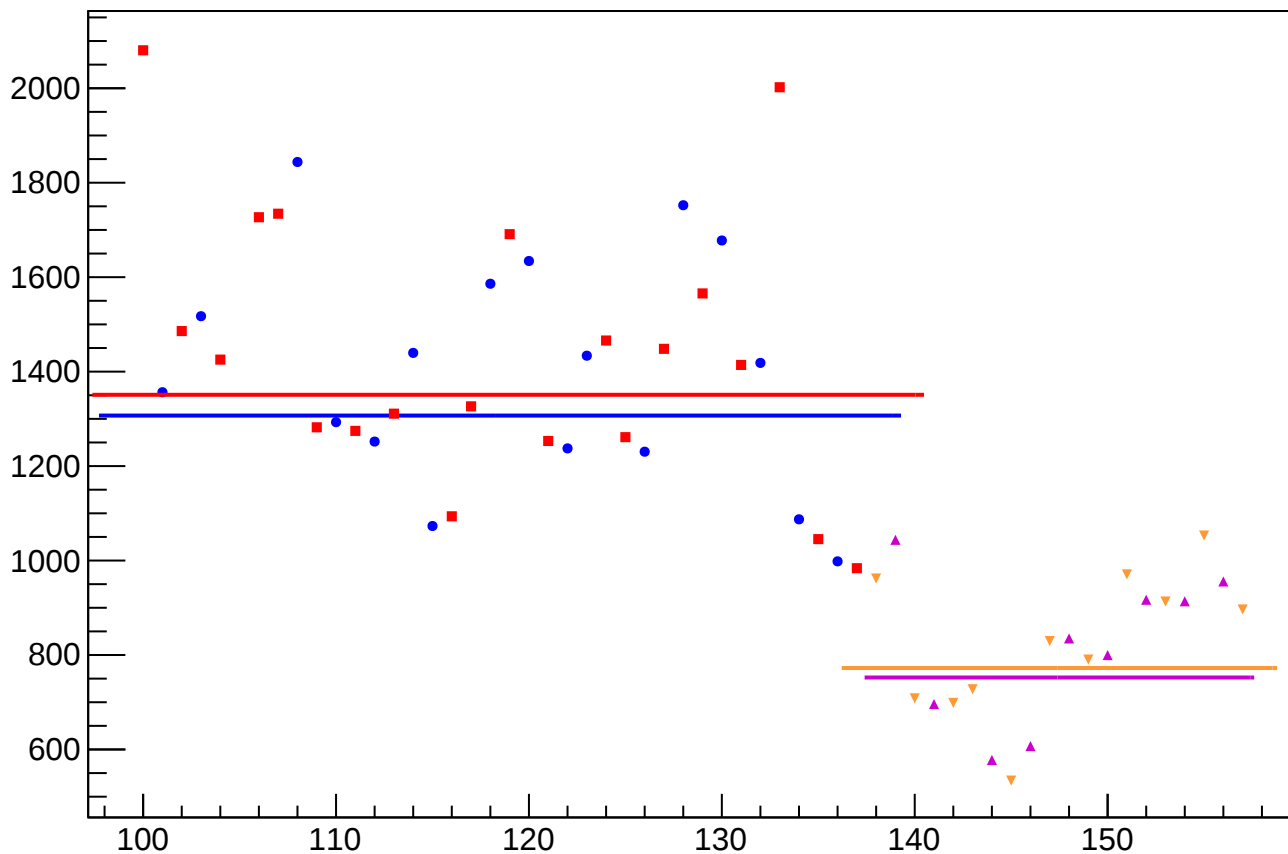
Left In: -210.211 $\pm$ 283.858 χ^2 /NDF:4.9/8

1220.441 $\pm$ 244.455 χ^2 /NDF: 51.0/27

435.092 $\pm$ 174.288 χ^2 /NDF: 91.0/56

-376.826 $\pm$ 248.556 χ^2 /NDF: 19.0/28

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1306.980 +/- 0.367 χ^2/NDF : 451191.7/16

Left Out: 772.473 +/- 0.196 χ^2/NDF : 638871.0/10

Right Out: 1350.936 +/- 0.364 χ^2/NDF : 421834.2/19

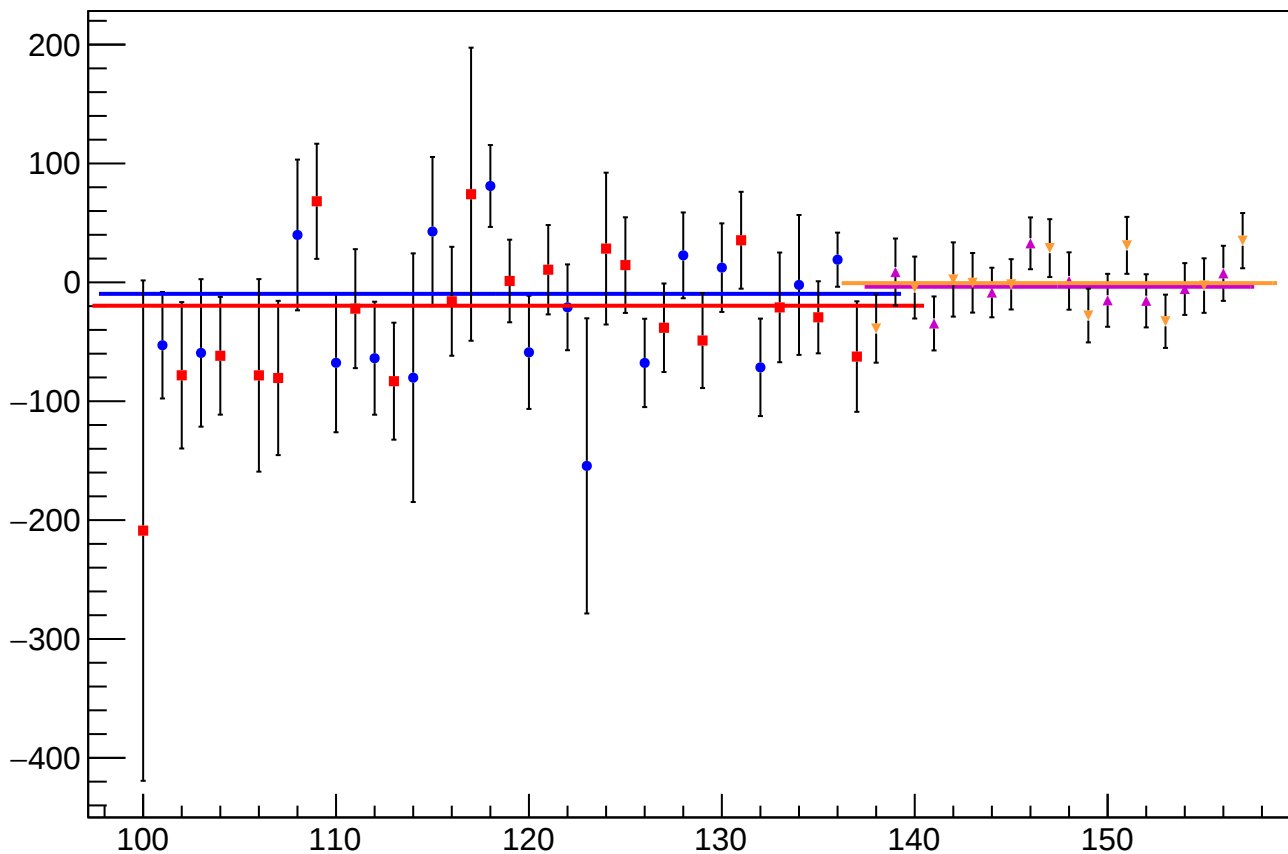
Left In: 752.357 +/- 0.201 χ^2/NDF : 565658.9/8

891.285 +/- 0.173 χ^2/NDF : 2743047.3/27

891.628 +/- 0.123 χ^2/NDF : 5805073.3/56

891.983 +/- 0.176 χ^2/NDF : 3062018.0/28

reg_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -9.669 ± 10.408 χ^2/NDF : 22.6/16

Left Out: -0.658 ± 7.320 χ^2/NDF : 10.9/10

Right Out: -19.662 ± 10.406 χ^2/NDF : 15.2/19

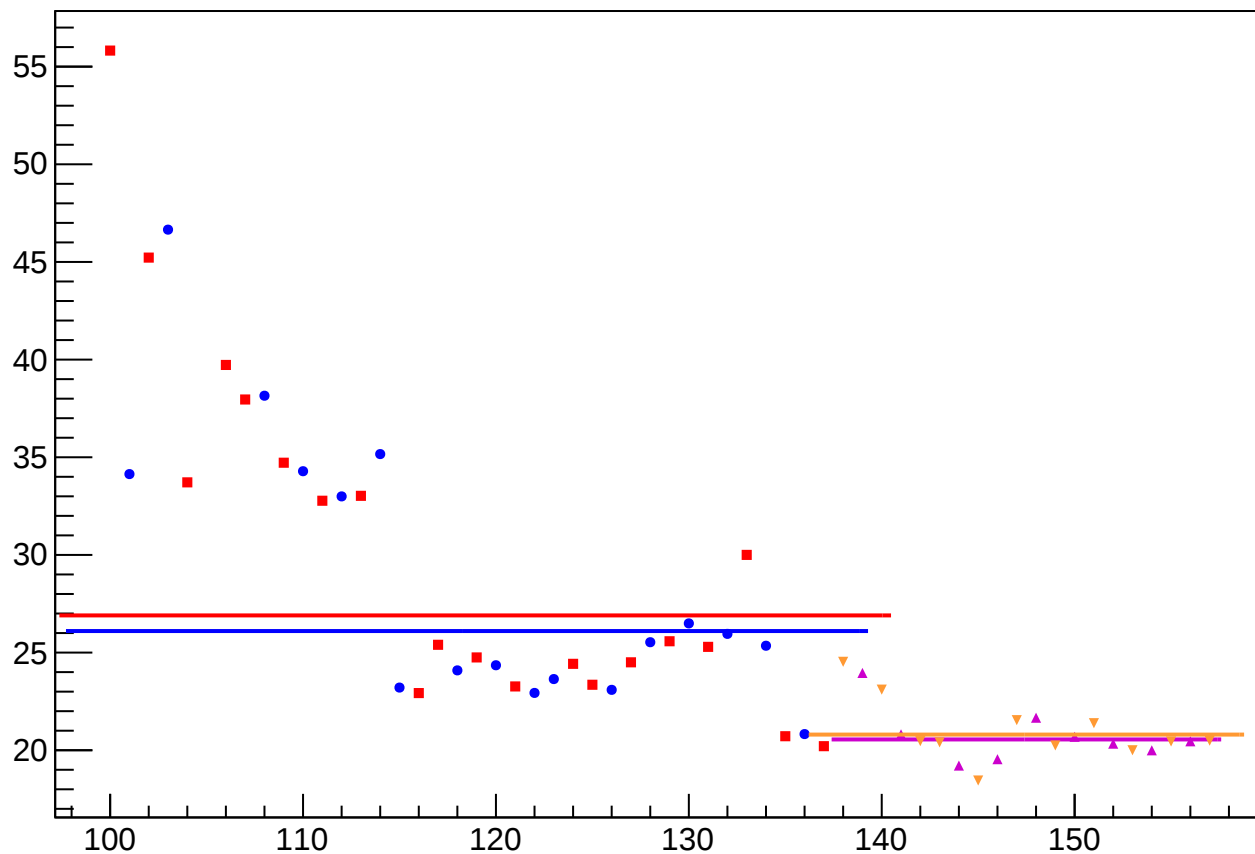
Left In: -3.691 ± 7.600 χ^2/NDF : 5.7/8

-3.640 ± 5.987 χ^2/NDF : 34.0/27

-6.374 ± 4.286 χ^2/NDF : 56.9/56

-9.246 ± 6.137 χ^2/NDF : 22.5/28

reg_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 26.103 $\pm$ 0.007 χ^2 /NDF: 604038.5/16

Left Out: 20.802 $\pm$ 0.005 χ^2 /NDF: 82238.2/10

Right Out: 26.903 $\pm$ 0.007 χ^2 /NDF: 679269.9/19

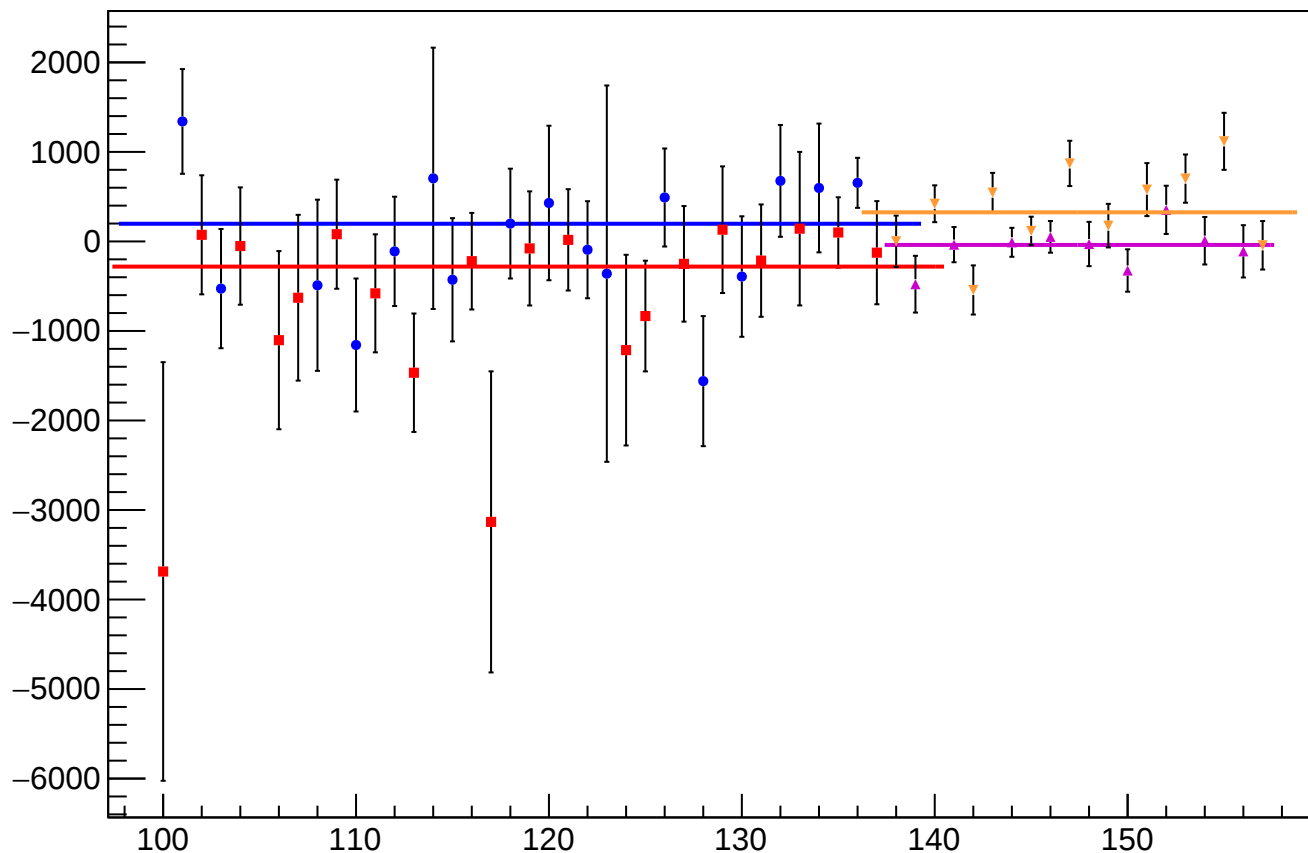
Left In: 20.552 $\pm$ 0.005 χ^2 /NDF: 47840.3/8

22.556 $\pm$ 0.004 χ^2 /NDF: 1033417.1/27

22.656 $\pm$ 0.003 χ^2 /NDF: 2247428.2/56

22.761 $\pm$ 0.004 χ^2 /NDF: 1212861.9/28

asym_sam_1357_2468_dd_correction_mean vs Slug, Sign Corrected



Right In: 197.327 $\pm$ 147.883 χ^2 /NDF: 21.0/16

Left Out: 325.200 $\pm$ 72.484 χ^2 /NDF:29.9/10

Right Out: -281.185 $\pm$ 149.275 χ^2 /NDF: 13.6/19

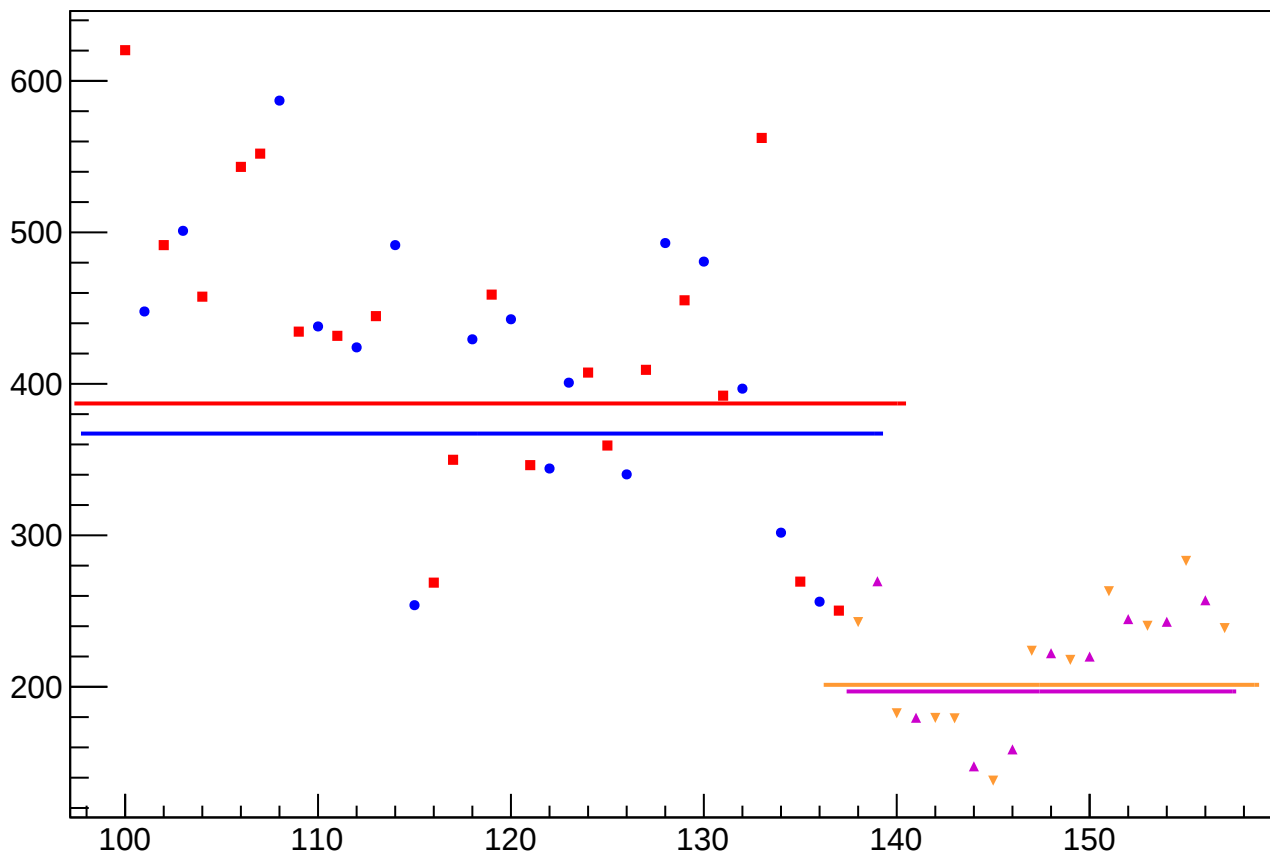
Left In: -39.007 $\pm$ 74.534 χ^2 /NDF:5.9/8

300.431 $\pm$ 65.087 χ^2 /NDF: 51.5/27

111.248 $\pm$ 46.578 χ^2 /NDF: 90.4/56

-87.336 $\pm$ 66.684 χ^2 /NDF: 21.5/28

asym_sam_1357_2468_dd_correction_rms vs Slug, Sign Corrected



Right In: 367.180 $\pm$ 0.105 χ^2 /NDF: 827148.2/16

Left Out: 201.307 $\pm$ 0.051 χ^2 /NDF: 731998.4/10

Right Out: 387.048 $\pm$ 0.106 χ^2 /NDF: 775547.5/19

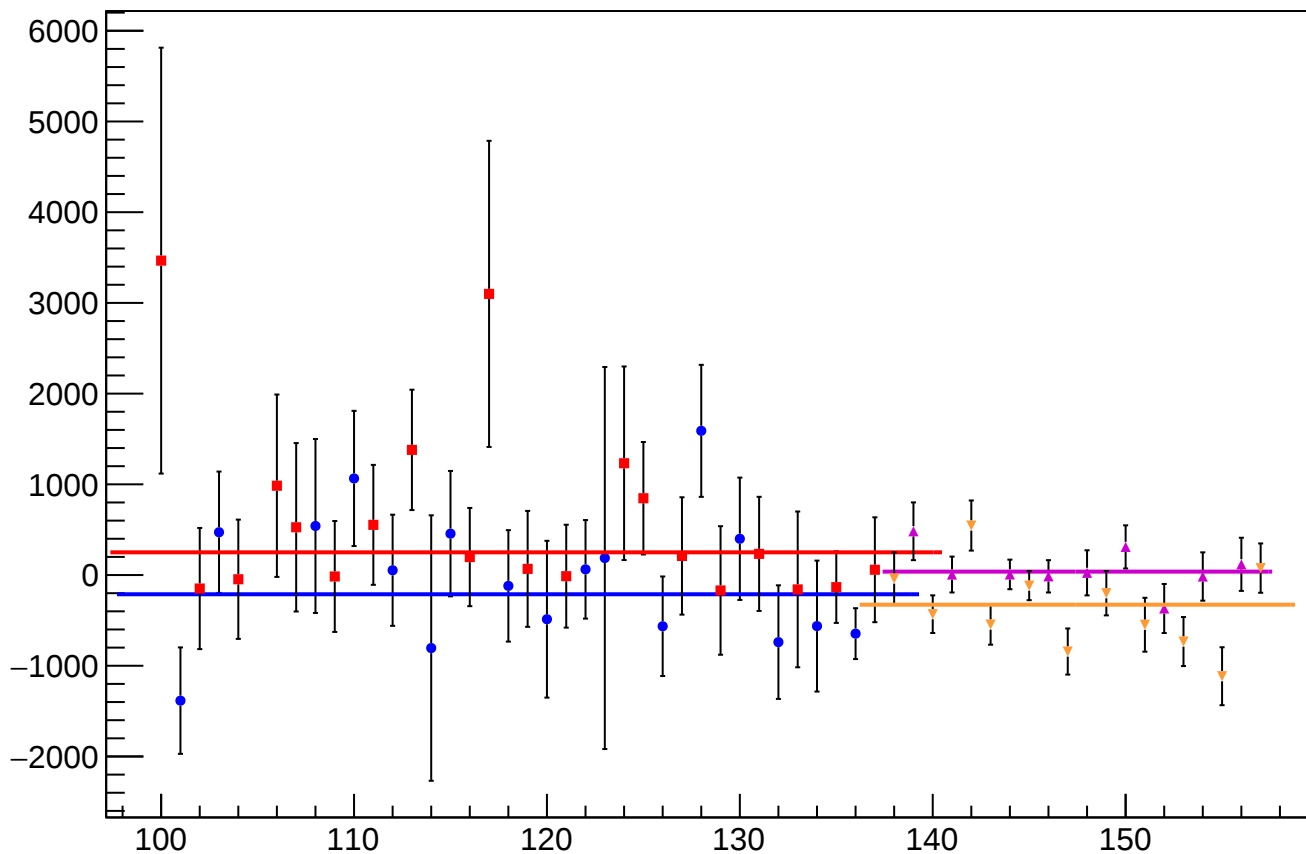
Left In: 196.938 $\pm$ 0.053 χ^2 /NDF: 649332.6/8

233.437 $\pm$ 0.046 χ^2 /NDF: 3587950.1/27

234.139 $\pm$ 0.033 χ^2 /NDF: 7609852.6/56

234.876 $\pm$ 0.047 χ^2 /NDF: 4021425.8/28

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -211.859 ± 148.316 χ^2/NDF : 21.0/16

Left Out: -326.841 ± 72.922 χ^2/NDF : 29.4/10

Right Out: 250.443 ± 149.724 χ^2/NDF : 12.9/19

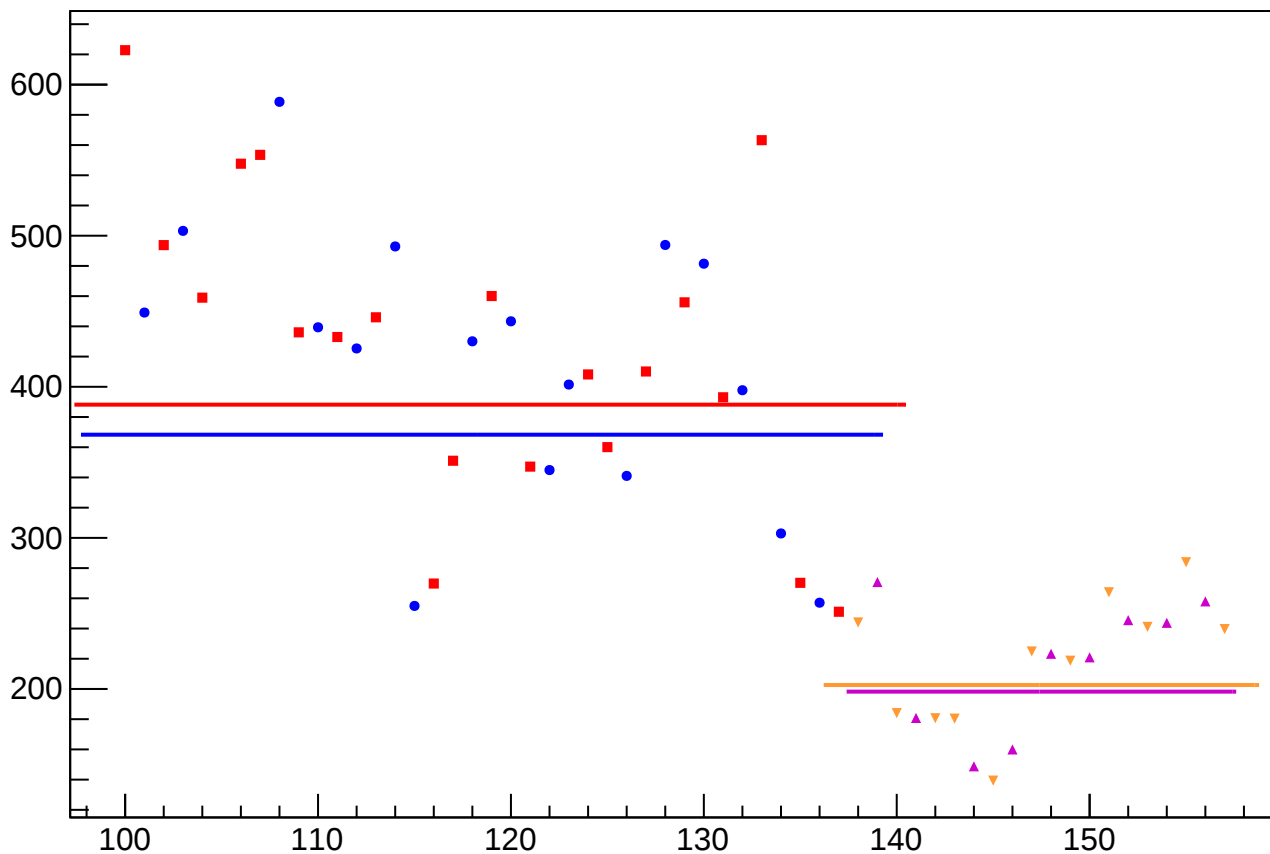
Left In: 37.697 ± 74.989 χ^2/NDF : 5.8/8

-304.457 ± 65.440 χ^2/NDF : 50.9/27

-116.722 ± 46.832 χ^2/NDF : 88.1/56

80.362 ± 67.049 χ^2/NDF : 20.3/28

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 368.302 $\pm$ 0.105 χ^2/NDF : 824619.2/16

Left Out: 202.624 $\pm$ 0.052 χ^2/NDF : 717963.6/10

Right Out: 388.178 $\pm$ 0.106 χ^2/NDF : 775692.7/19

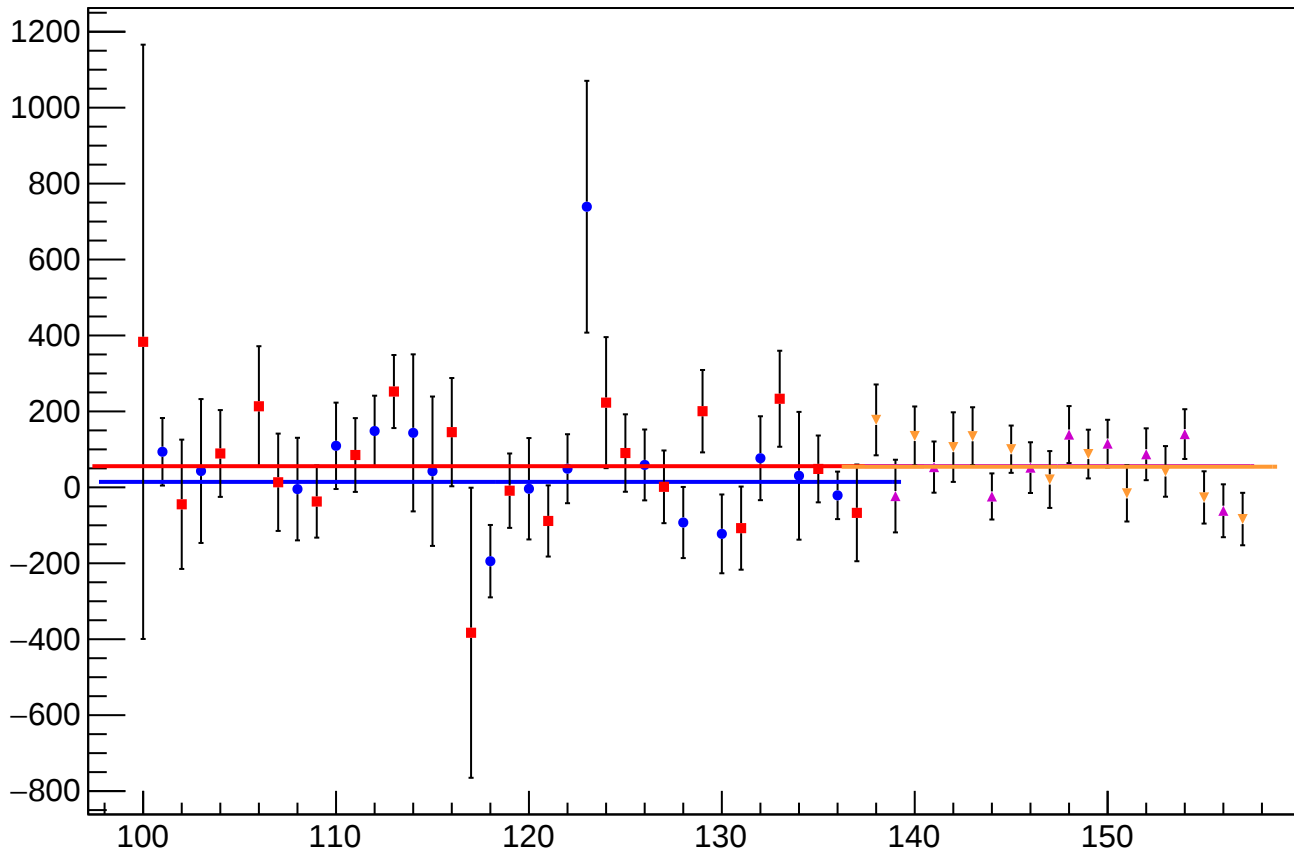
Left In: 198.238 $\pm$ 0.053 χ^2/NDF : 636934.9/8

234.877 $\pm$ 0.046 χ^2/NDF : 3552394.0/27

235.586 $\pm$ 0.033 χ^2/NDF : 7538709.2/56

236.330 $\pm$ 0.047 χ^2/NDF : 3985834.3/28

reg_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 14.385+/-26.334 χ^2/NDF : 17.7/16

Left Out: 54.360+/-21.939 χ^2/NDF : 11.6/10

Right Out: 55.744+/-26.060 χ^2/NDF : 19.7/19

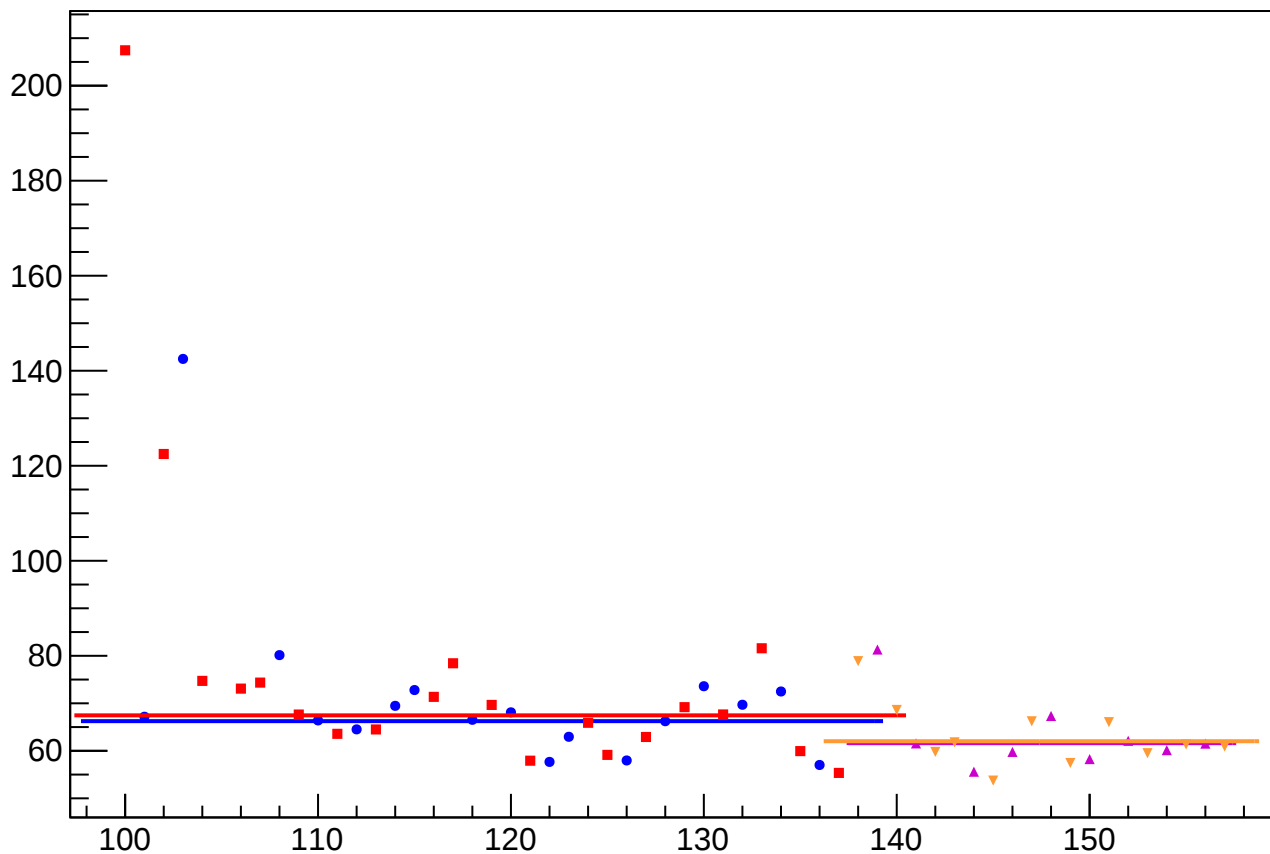
Left In: 56.021+/-22.887 χ^2/NDF : 9.2/8

37.982+/-16.856 χ^2/NDF : 30.6/27

46.762+/-12.037 χ^2/NDF : 60.2/56

55.900+/-17.196 χ^2/NDF : 29.0/28

reg_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 66.247 ± 0.019 χ^2/NDF : 440944.2/16

Left Out: 62.022 ± 0.016 χ^2/NDF : 142111.6/10

Right Out: 67.466 ± 0.018 χ^2/NDF : 395262.8/19

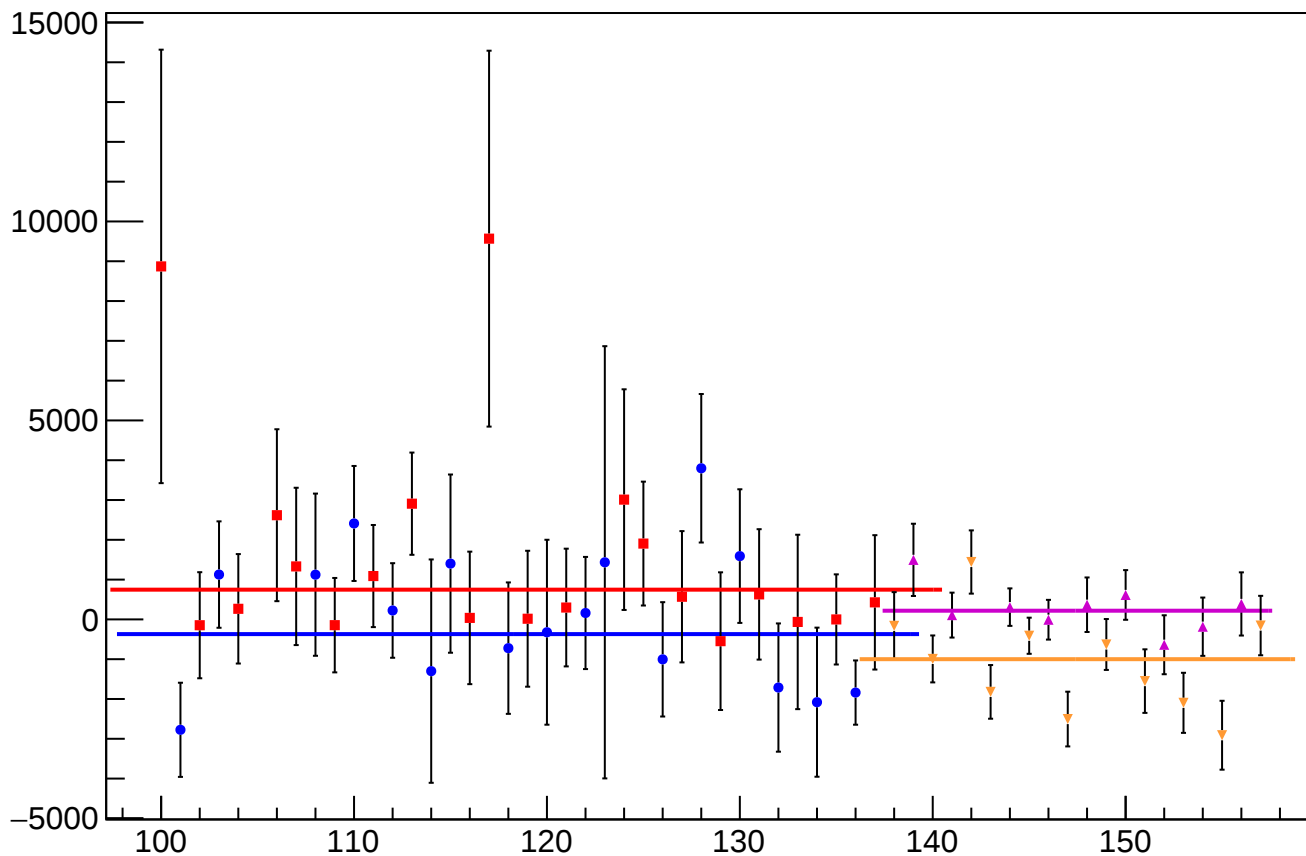
Left In: 61.616 ± 0.016 χ^2/NDF : 124342.5/8

63.753 ± 0.012 χ^2/NDF : 613453.5/27

63.954 ± 0.009 χ^2/NDF : 1190545.1/56

64.164 ± 0.012 χ^2/NDF : 576509.8/28

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



Right In: -369.546 $\pm$ 366.432 χ^2 /NDF: 22.3/16

Left Out: -999.751 $\pm$ 204.501 χ^2 /NDF: 27.4/10

Right Out: 747.208 $\pm$ 360.830 χ^2 /NDF: 13.4/19

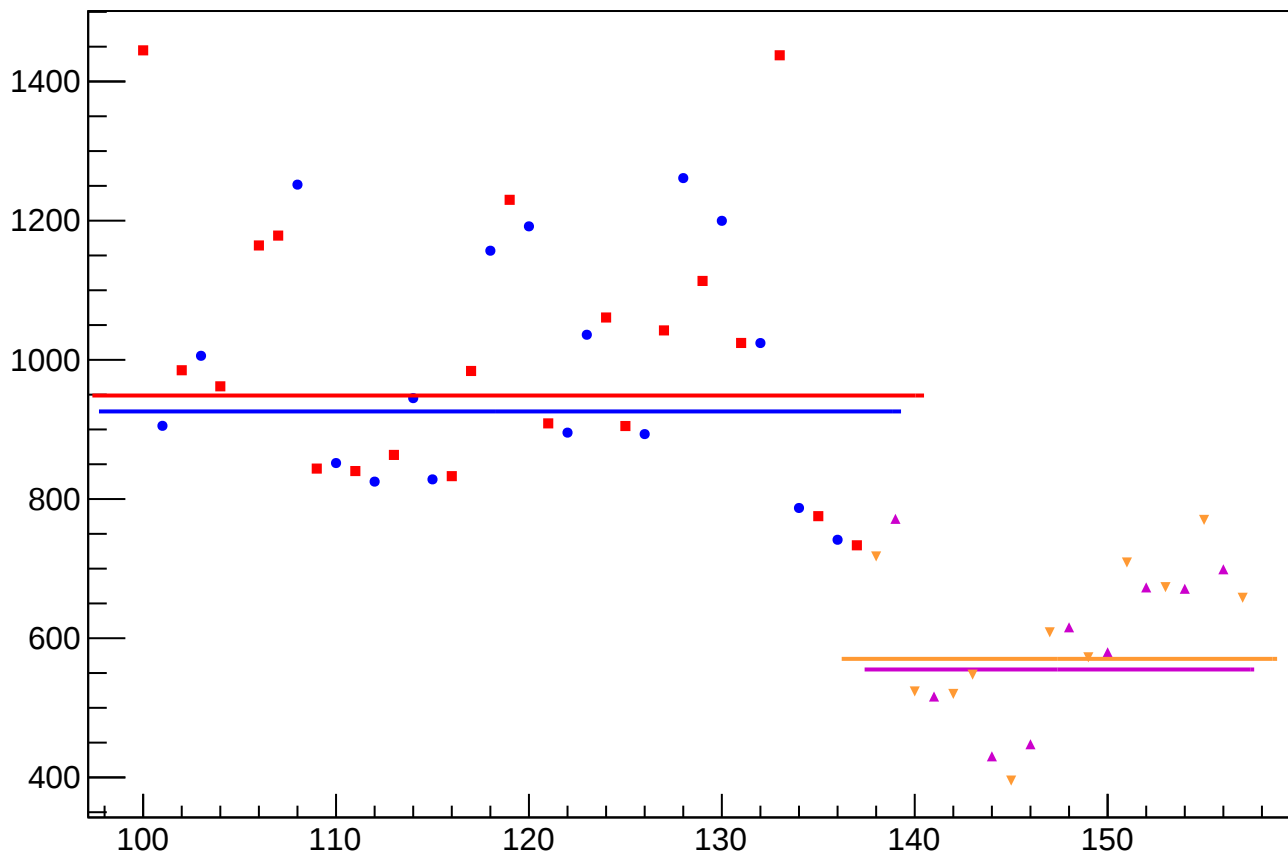
Left In: 218.286 $\pm$ 209.252 χ^2 /NDF: 4.4/8

-850.083 $\pm$ 178.574 χ^2 /NDF: 52.0/27

-257.502 $\pm$ 127.125 χ^2 /NDF: 93.8/56

351.399 $\pm$ 181.016 χ^2 /NDF: 19.5/28

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



Right In: 925.885 $\pm$ 0.259 χ^2/NDF : 391084.5/16

Left Out: 570.357 $\pm$ 0.145 χ^2/NDF : 617754.9/10

Right Out: 948.760 $\pm$ 0.255 χ^2/NDF : 382044.0/19

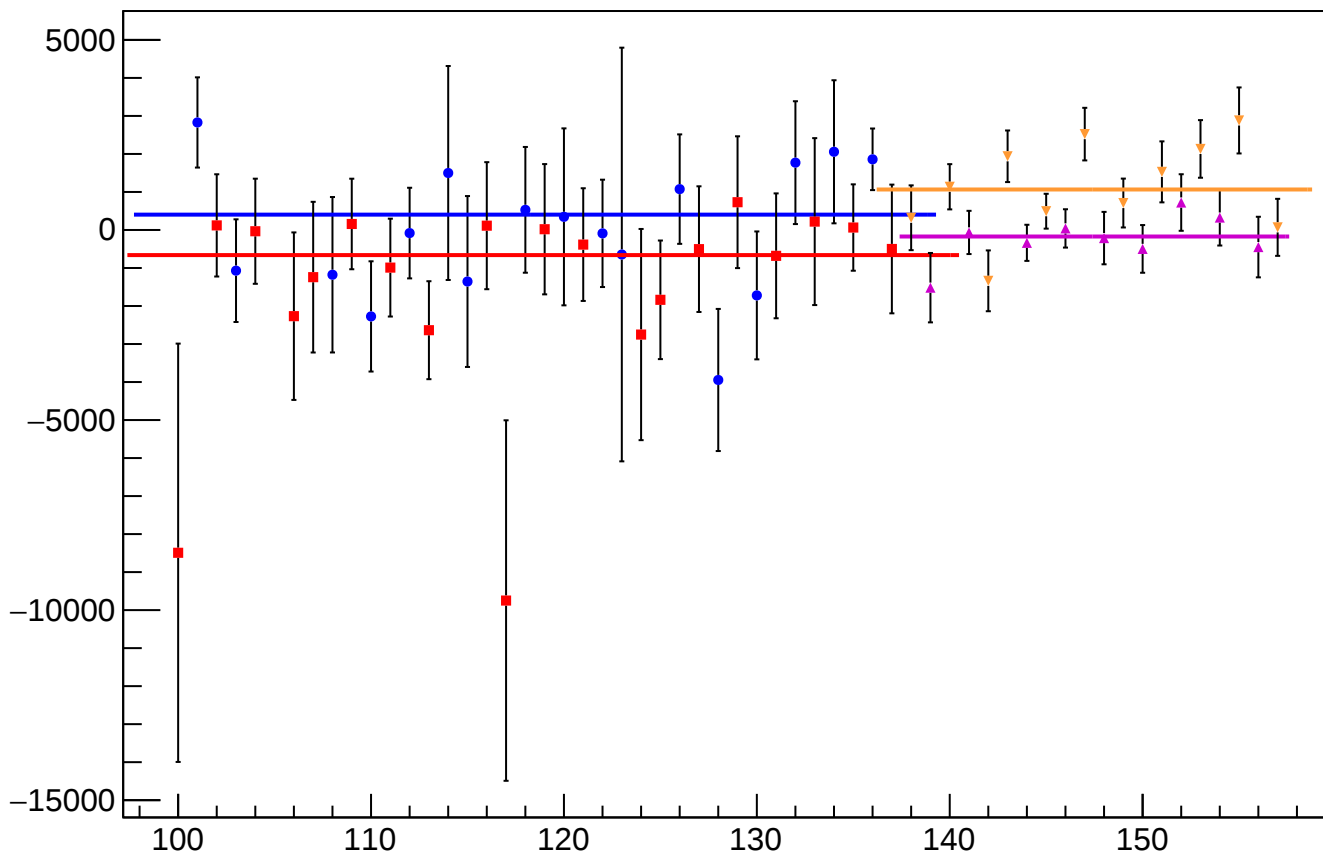
Left In: 555.091 $\pm$ 0.148 χ^2/NDF : 541449.0/8

654.792 $\pm$ 0.126 χ^2/NDF : 2444439.5/27

654.483 $\pm$ 0.090 χ^2/NDF : 5149426.1/56

654.165 $\pm$ 0.128 χ^2/NDF : 2704974.5/28

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 403.591 ± 367.686 $\chi^2/\text{NDF}: 22.4/16$

Left Out: 1065.155 ± 205.848 $\chi^2/\text{NDF}: 26.2/10$

Right Out: -660.630 ± 362.265 $\chi^2/\text{NDF}: 12.5/19$

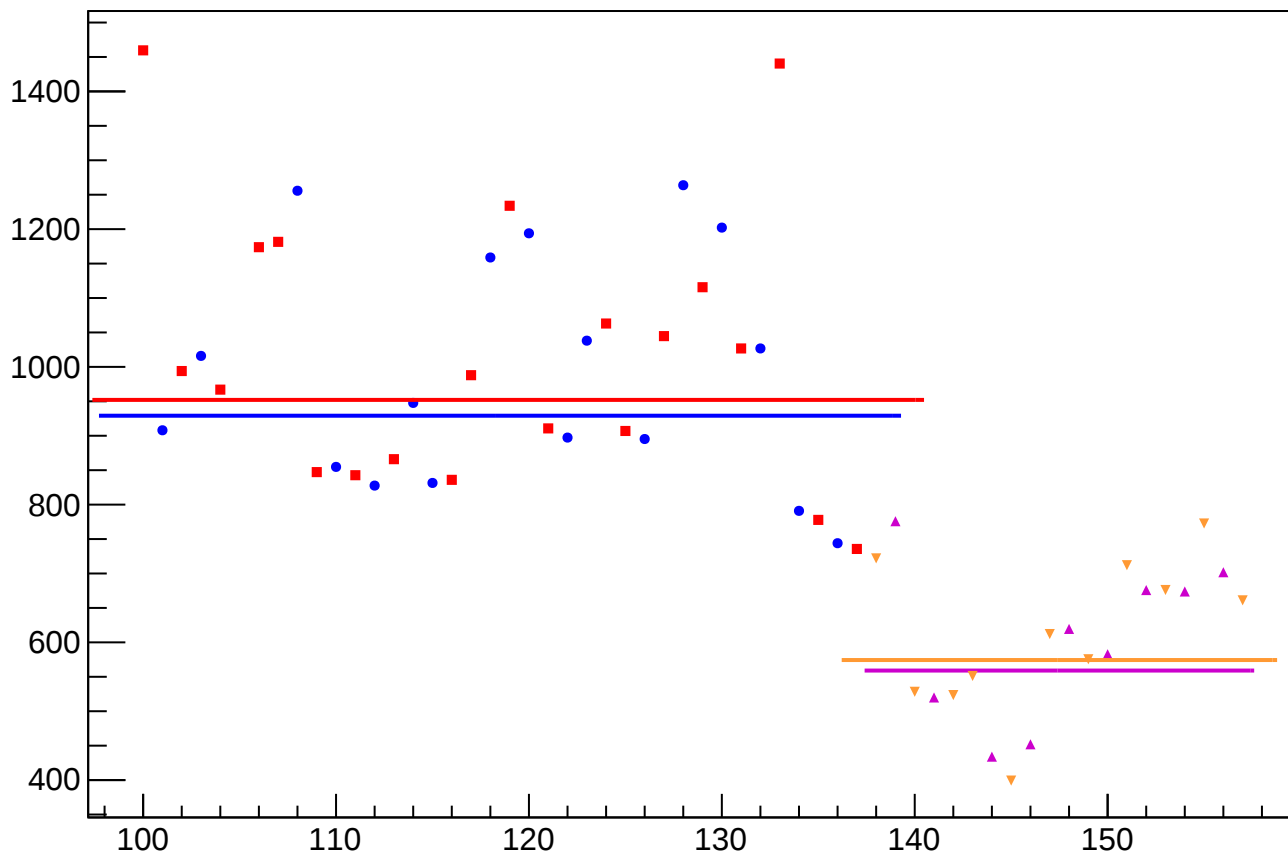
Left In: -171.766 ± 210.665 $\chi^2/\text{NDF}: 4.8/8$

907.283 ± 179.615 $\chi^2/\text{NDF}: 51.1/27$

314.287 ± 127.880 $\chi^2/\text{NDF}: 91.9/56$

-295.306 ± 182.111 $\chi^2/\text{NDF}: 18.7/28$

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 929.096 $\pm$ 0.260 χ^2/NDF : 390292.1/16

Left Out: 574.333 $\pm$ 0.146 χ^2/NDF : 605845.3/10

Right Out: 952.057 $\pm$ 0.256 χ^2/NDF : 382334.5/19

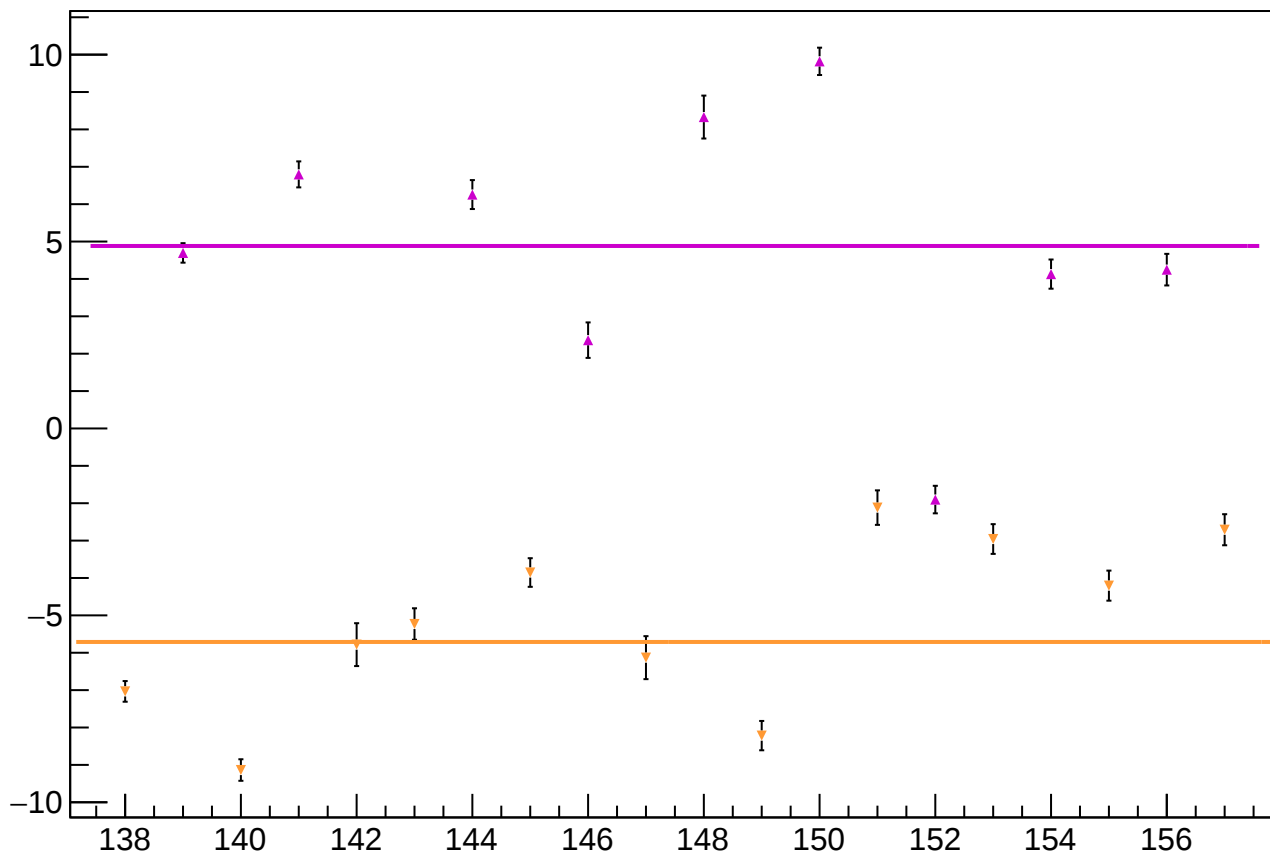
Left In: 559.055 $\pm$ 0.149 χ^2/NDF : 531471.5/8

658.991 $\pm$ 0.127 χ^2/NDF : 2413719.4/27

658.685 $\pm$ 0.090 χ^2/NDF : 5086500.8/56

658.370 $\pm$ 0.129 χ^2/NDF : 2672769.6/28

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -5.711+/-0.117 χ^2/NDF : 405.2/10

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

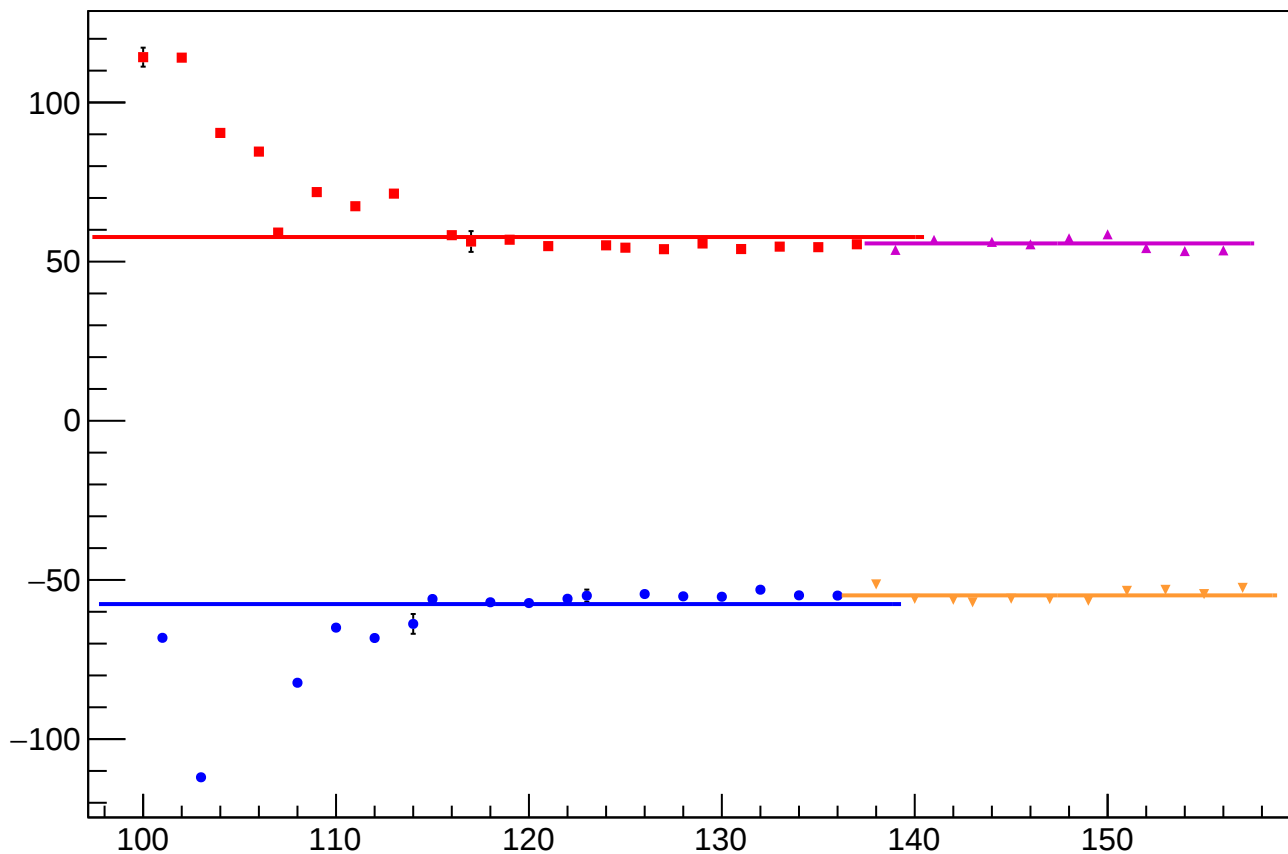
Left In: 4.882+/-0.125 χ^2/NDF : 635.3/8

-5.711+/-0.117 χ^2/NDF : 405.2/10

-0.762+/-0.085 χ^2/NDF : 4875.4/19

4.882+/-0.125 χ^2/NDF : 635.3/8

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.581 ± 0.143 χ^2/NDF : 3455.5/16

Left Out: -54.848 ± 0.086 χ^2/NDF : 408.2/10

Right Out: 57.730 ± 0.143 χ^2/NDF : 4698.7/19

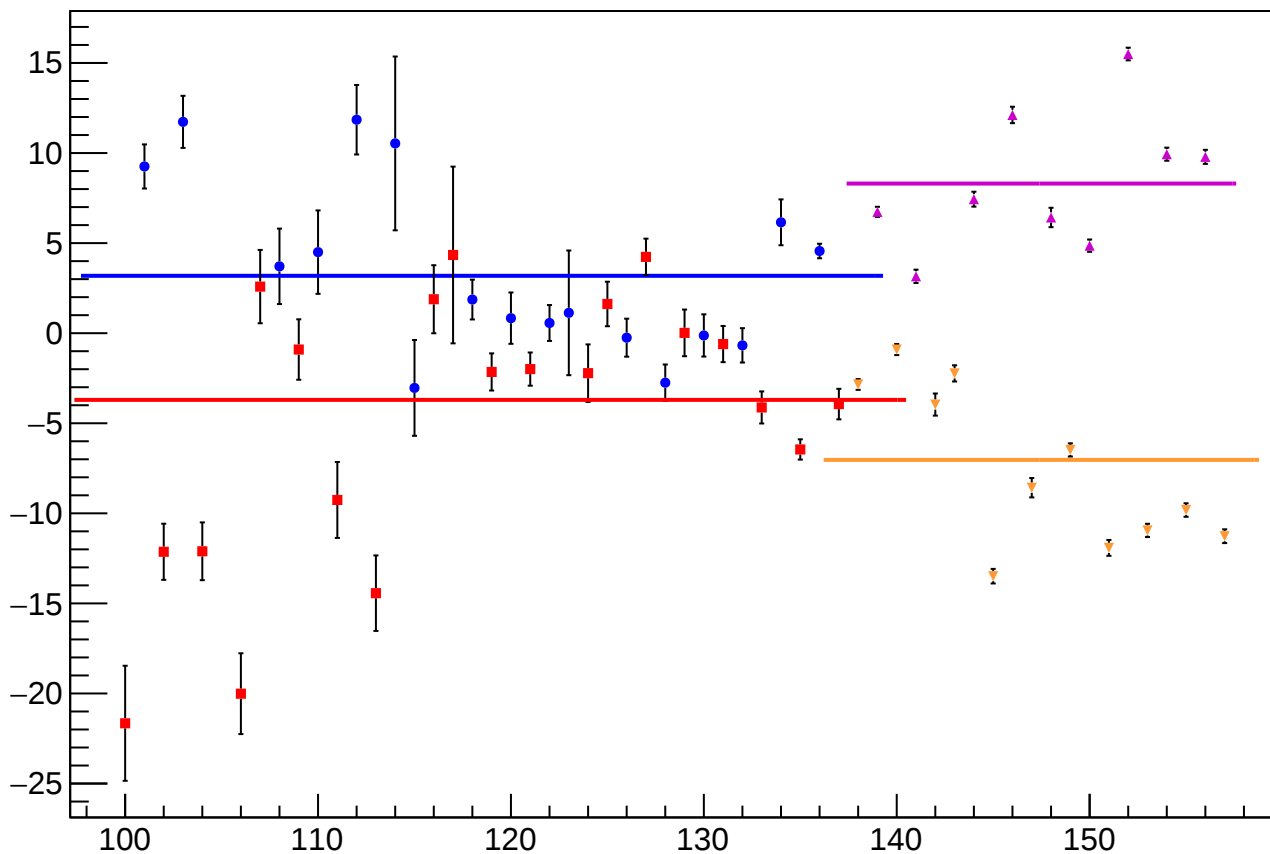
Left In: 55.720 ± 0.095 χ^2/NDF : 369.6/8

-55.579 ± 0.074 χ^2/NDF : 4131.0/27

-3.371 ± 0.054 χ^2/NDF : 1077129.3/56

56.337 ± 0.079 χ^2/NDF : 5205.5/28

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.185 ± 0.259 χ^2/NDF : 185.8/16

Left Out: -7.032 ± 0.117 χ^2/NDF : 1410.5/10

Right Out: -3.702 ± 0.267 χ^2/NDF : 326.8/19

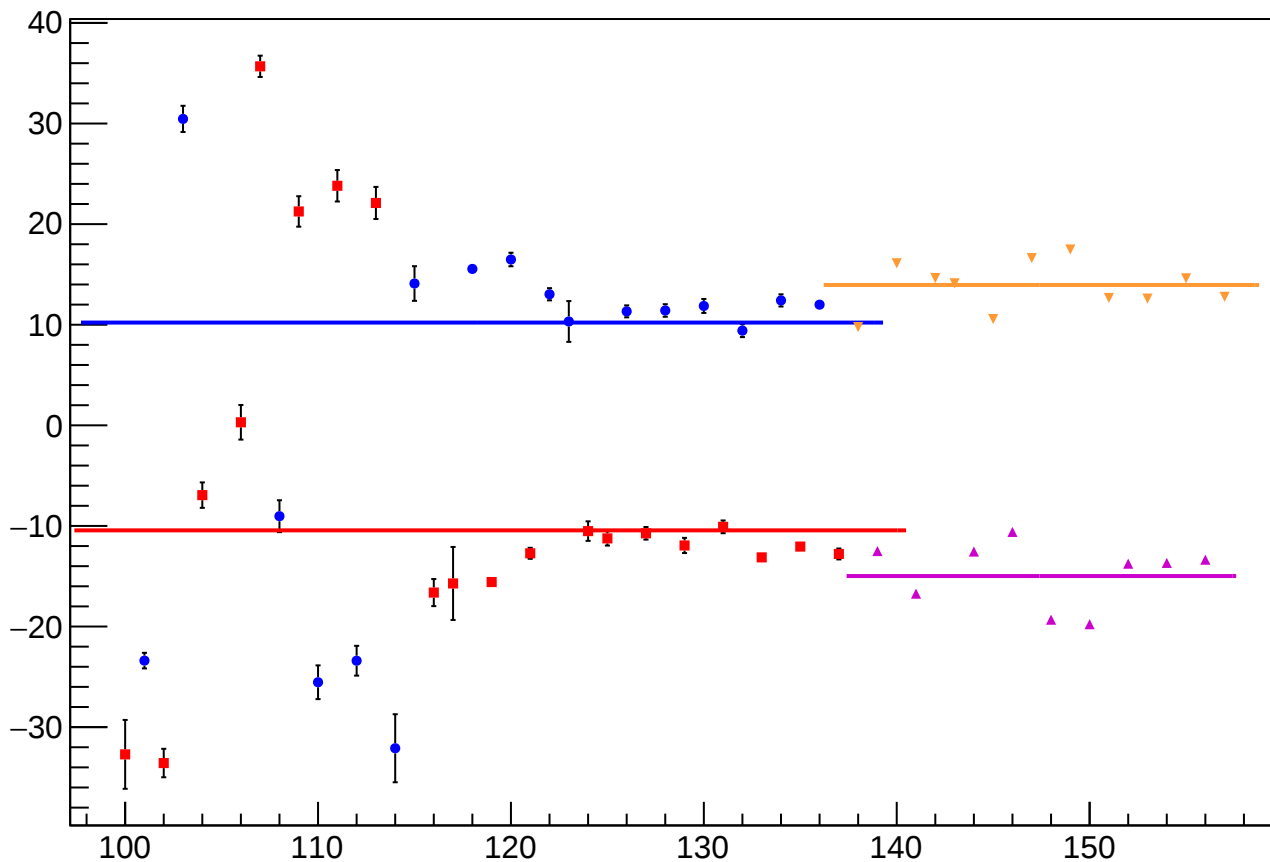
Left In: 8.306 ± 0.124 χ^2/NDF : 864.1/8

-5.295 ± 0.107 χ^2/NDF : 2888.0/27

0.126 ± 0.078 χ^2/NDF : 11186.6/56

6.167 ± 0.113 χ^2/NDF : 2851.5/28

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.215 ± 0.158 χ^2/NDF : 3692.6/16

Left Out: 13.952 ± 0.103 χ^2/NDF : 515.2/10

Right Out: -10.440 ± 0.160 χ^2/NDF : 3829.1/19

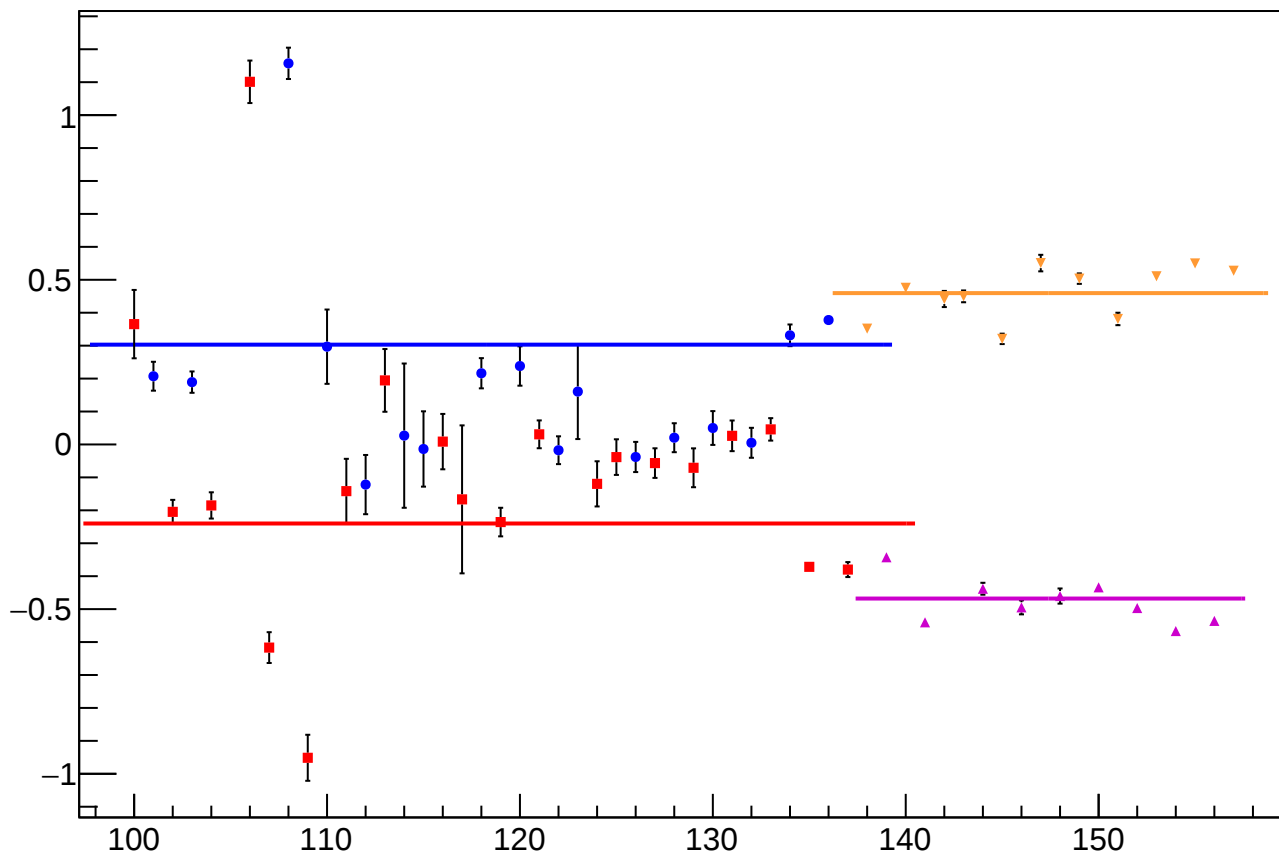
Left In: -14.980 ± 0.112 χ^2/NDF : 706.5/8

12.842 ± 0.086 χ^2/NDF : 4600.7/27

0.506 ± 0.063 χ^2/NDF : 53414.6/56

-13.484 ± 0.092 χ^2/NDF : 5076.2/28

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.303 ± 0.008 χ^2/NDF : 646.3/16

Left Out: 0.460 ± 0.005 χ^2/NDF : 296.0/10

Right Out: -0.240 ± 0.009 χ^2/NDF : 984.5/19

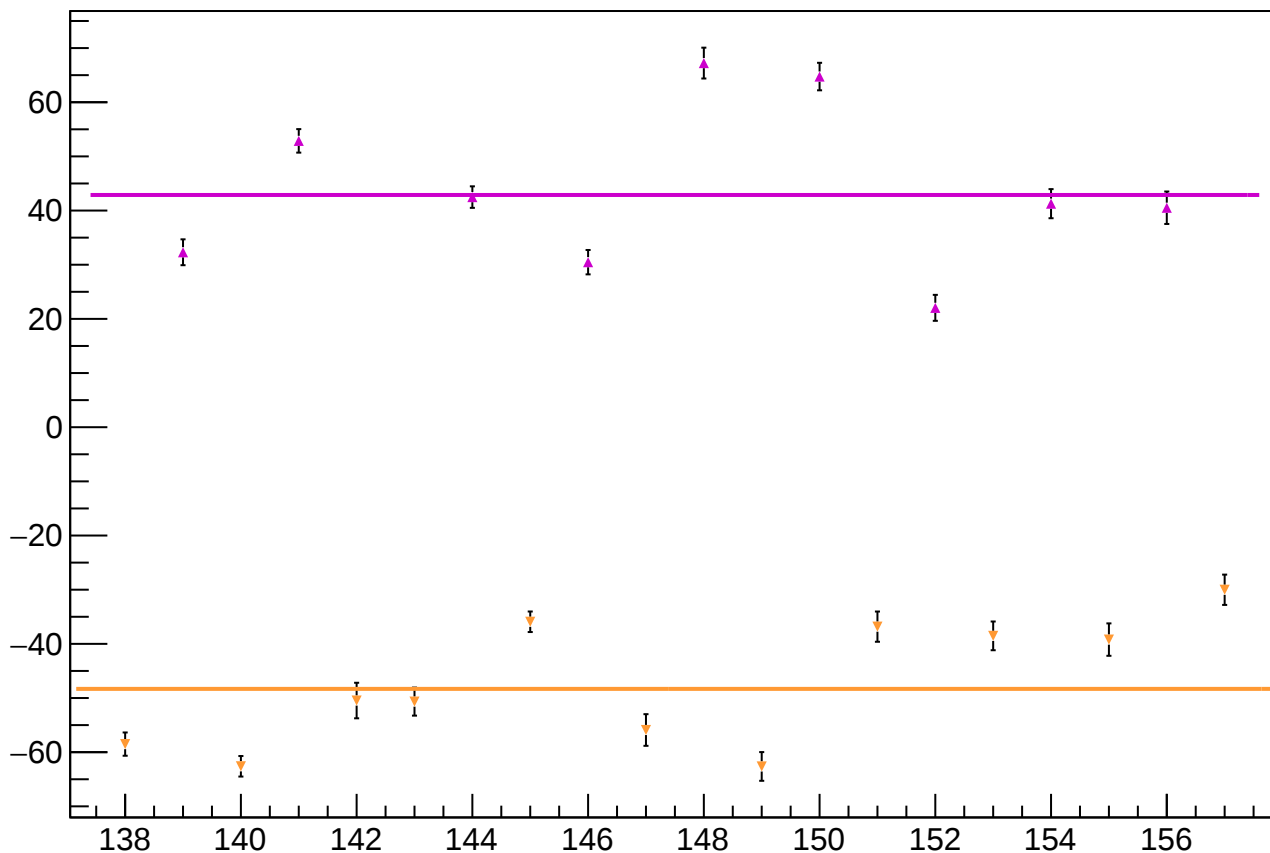
Left In: -0.468 ± 0.005 χ^2/NDF : 285.6/8

0.423 ± 0.004 χ^2/NDF : 1219.6/27

0.022 ± 0.003 χ^2/NDF : 24045.0/56

-0.413 ± 0.004 χ^2/NDF : 1814.6/28

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -48.311+/-0.749 χ^2/NDF : 241.9/10

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

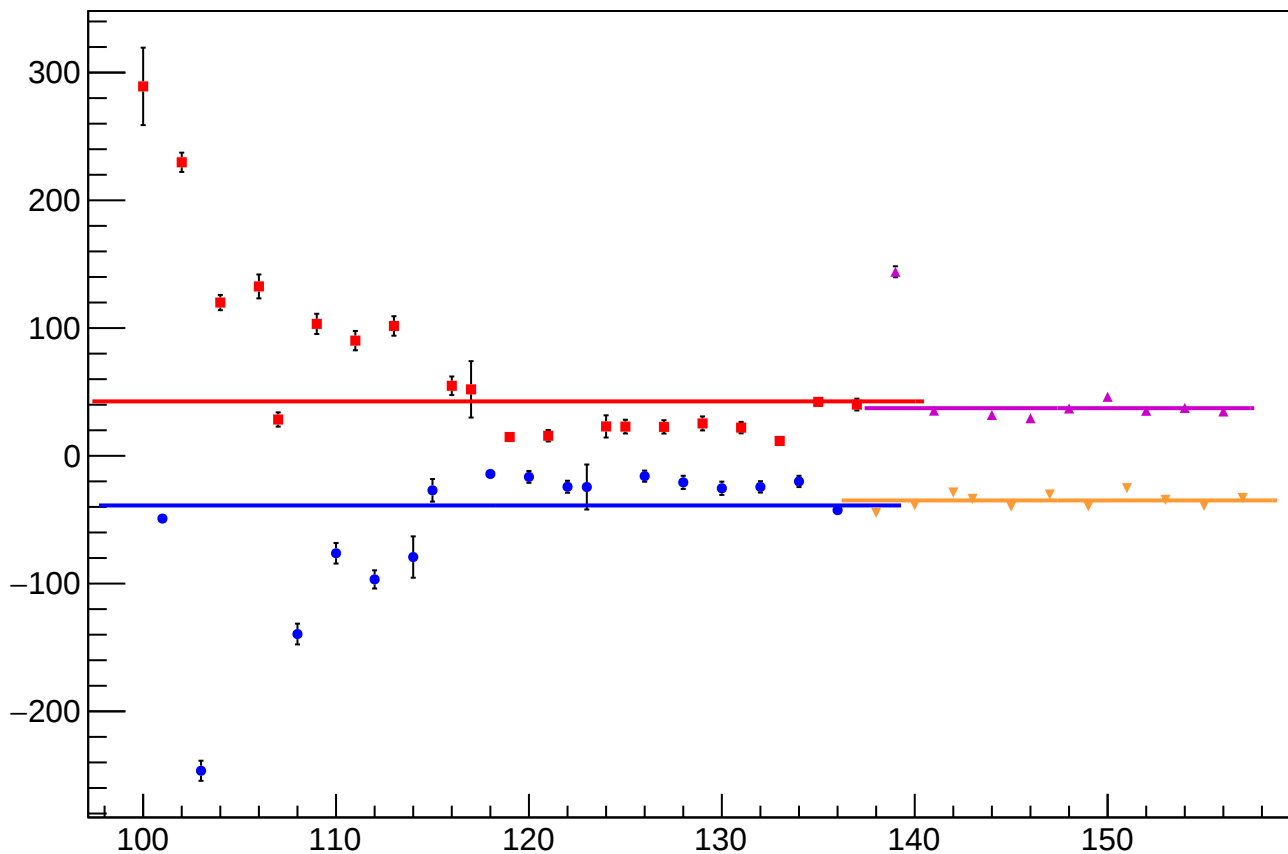
Left In: 42.877+/-0.806 χ^2/NDF : 295.2/8

-48.311+/-0.749 χ^2/NDF : 241.9/10

-6.060+/-0.548 χ^2/NDF : 7413.3/19

42.877+/-0.806 χ^2/NDF : 295.2/8

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -38.844 ± 1.148 χ^2/NDF : 1121.9/16

Left Out: -34.922 ± 0.524 χ^2/NDF : 104.3/10

Right Out: 42.614 ± 1.208 χ^2/NDF : 1345.9/19

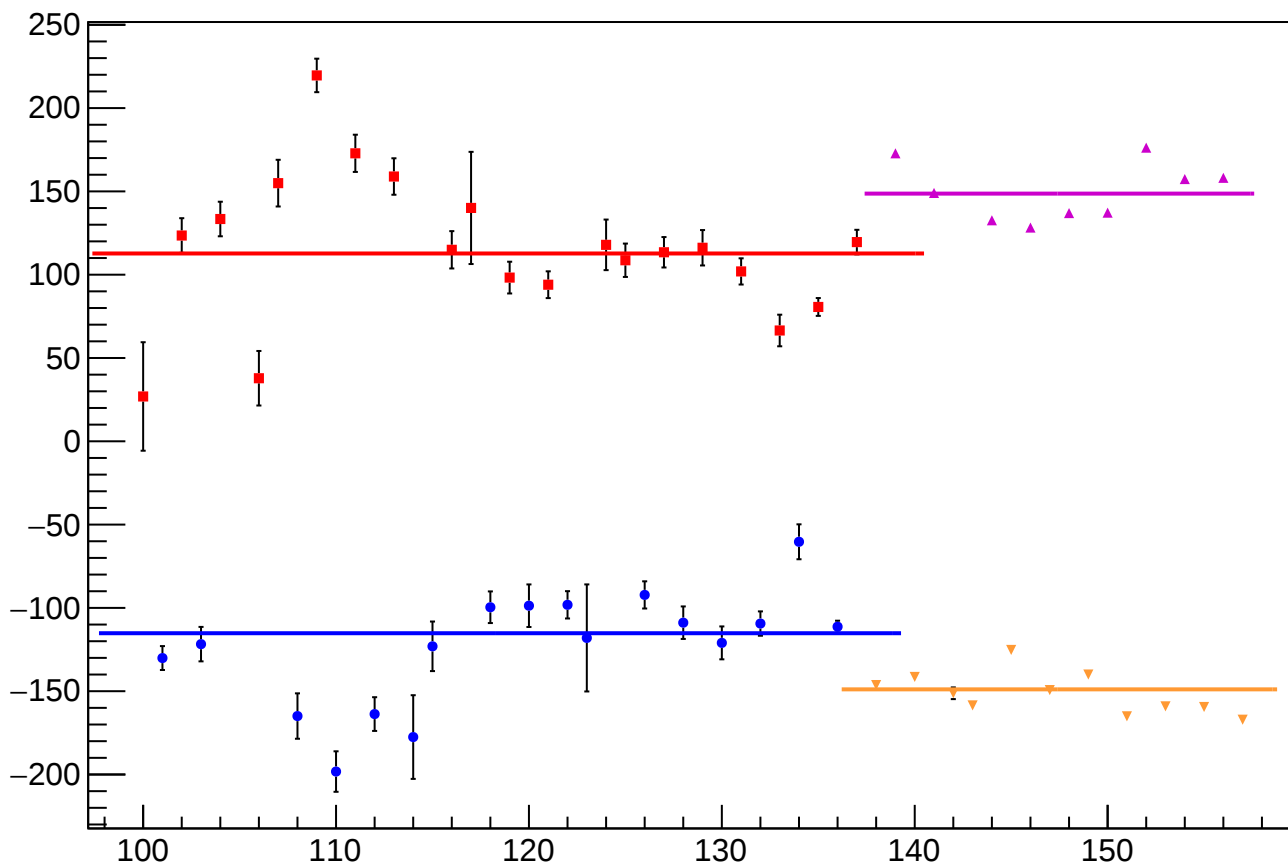
Left In: 37.308 ± 0.560 χ^2/NDF : 700.2/8

-35.599 ± 0.477 χ^2/NDF : 1235.9/27

-0.975 ± 0.348 χ^2/NDF : 14532.1/56

38.245 ± 0.508 χ^2/NDF : 2061.9/28

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -115.199 ± 2.081 $\chi^2/\text{NDF}: 140.8/16$

Left Out: -148.895 ± 0.752 $\chi^2/\text{NDF}: 296.2/10$

Right Out: 112.729 ± 2.205 $\chi^2/\text{NDF}: 273.1/19$

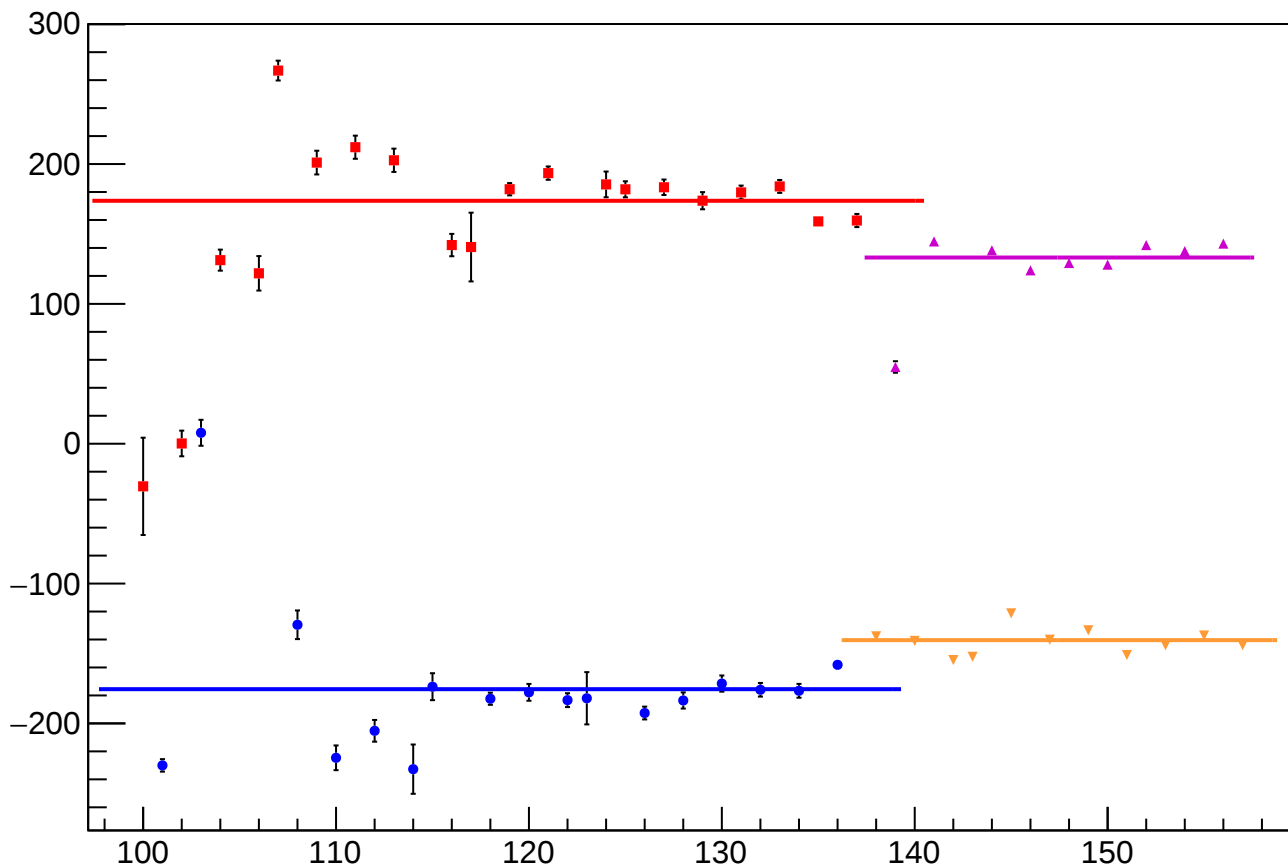
Left In: 148.665 ± 0.798 $\chi^2/\text{NDF}: 444.2/8$

-145.006 ± 0.707 $\chi^2/\text{NDF}: 668.8/27$

-8.809 ± 0.515 $\chi^2/\text{NDF}: 80479.9/56$

144.503 ± 0.750 $\chi^2/\text{NDF}: 952.2/28$

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -175.521 $\pm$ 1.277 χ^2/NDF : 692.3/16

Left Out: -140.453 $\pm$ 0.634 χ^2/NDF : 226.7/10

Right Out: 173.729 $\pm$ 1.354 χ^2/NDF : 739.7/19

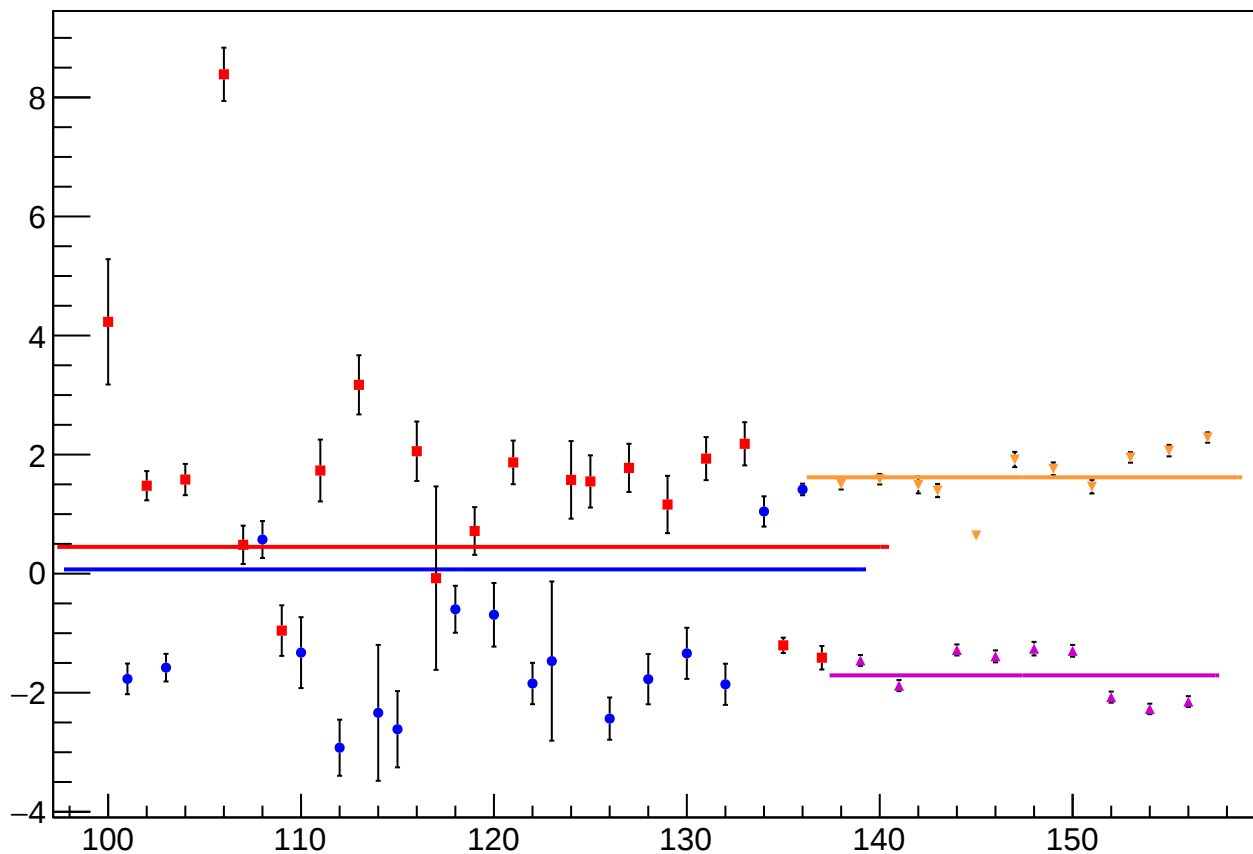
Left In: 133.154 $\pm$ 0.678 χ^2/NDF : 487.3/8

-147.394 $\pm$ 0.568 χ^2/NDF : 1523.8/27

-12.374 $\pm$ 0.415 χ^2/NDF : 124203.7/56

141.279 $\pm$ 0.606 χ^2/NDF : 1944.7/28

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.072 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.619 ± 0.030 χ^2/NDF : 263.0/10

Right Out: 0.450 ± 0.071 χ^2/NDF : 751.4/19

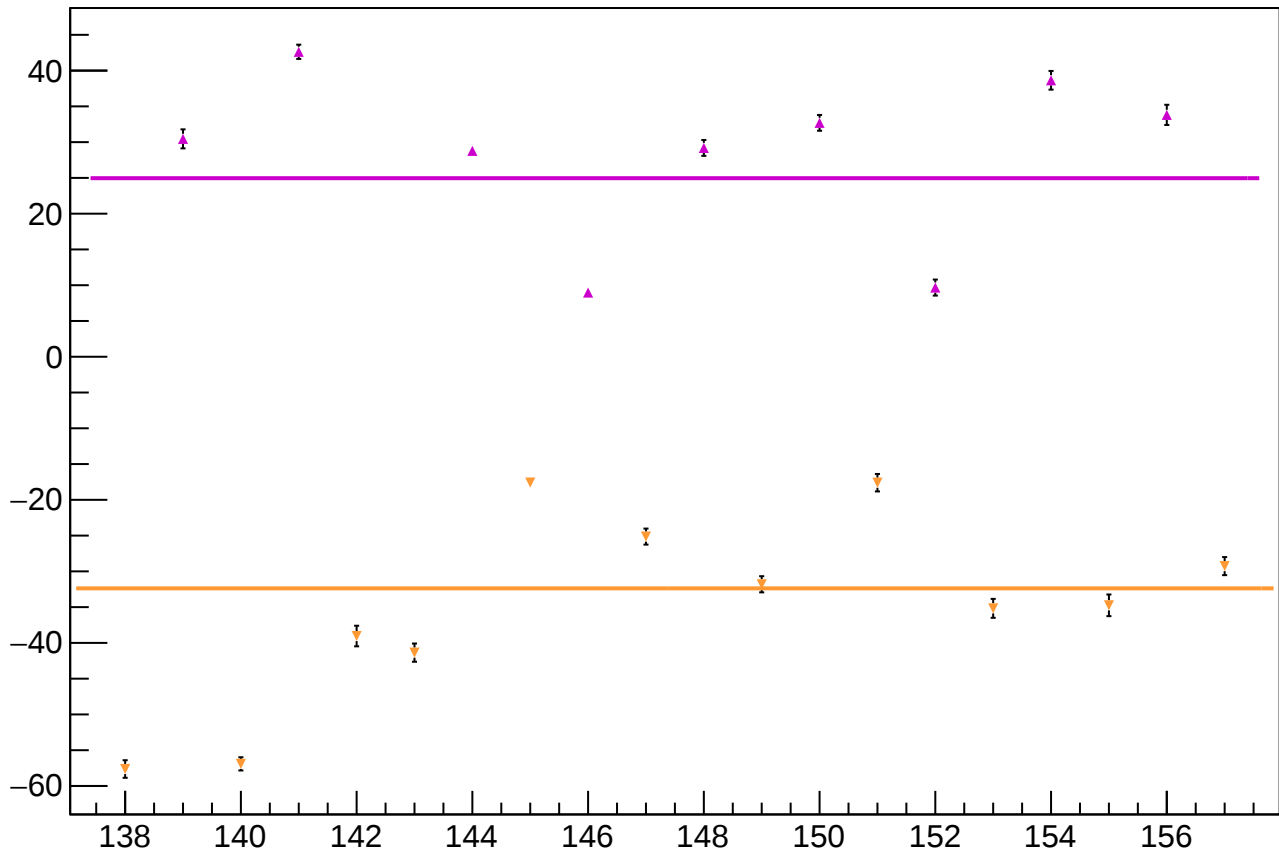
Left In: -1.708 ± 0.032 χ^2/NDF : 155.1/8

1.365 ± 0.027 χ^2/NDF : 1231.9/27

0.091 ± 0.020 χ^2/NDF : 7577.1/56

-1.352 ± 0.029 χ^2/NDF : 1672.6/28

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -32.375+/-0.325 χ^2/NDF : 1975.5/10

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

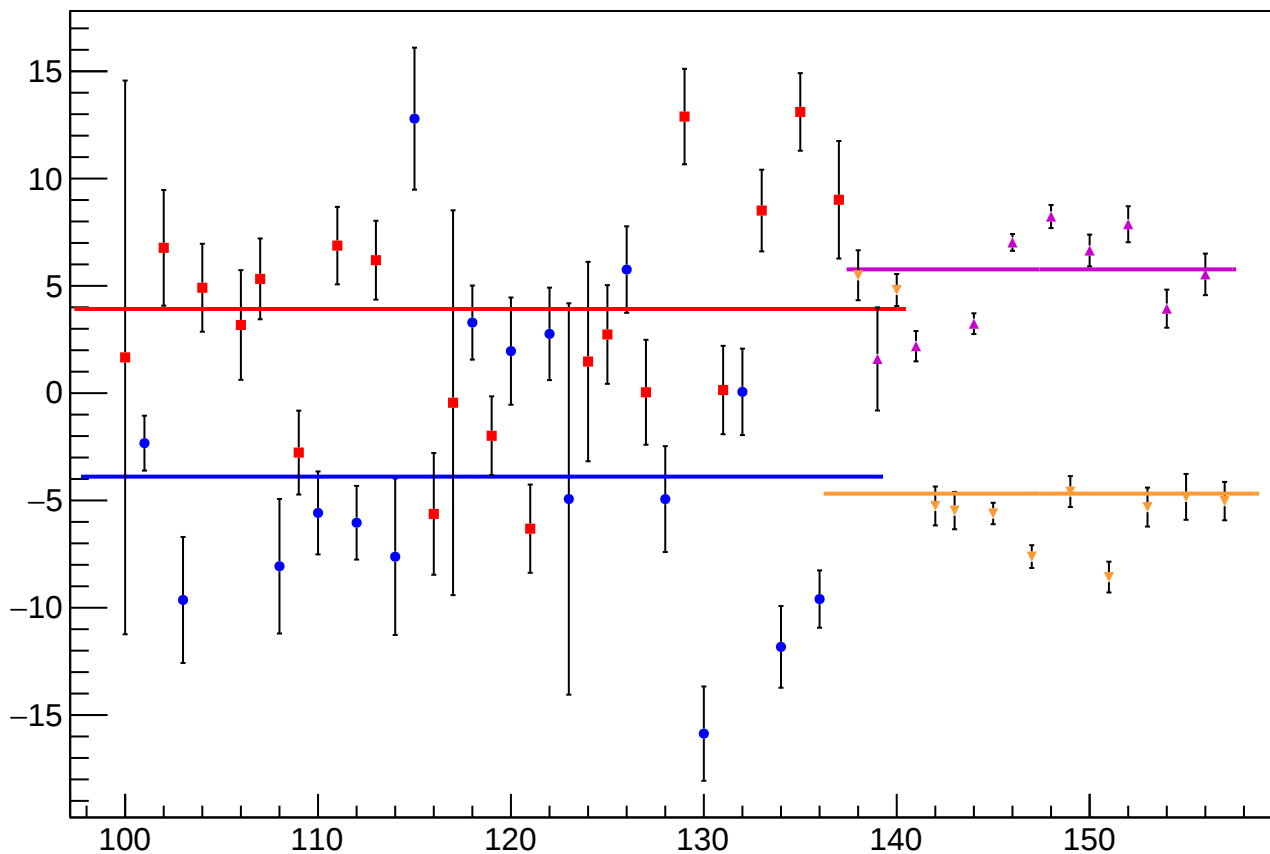
Left In: 24.962+/-0.321 χ^2/NDF : 1387.5/8

-32.375+/-0.325 χ^2/NDF : 1975.5/10

-3.315+/-0.228 χ^2/NDF : 19102.5/19

24.962+/-0.321 χ^2/NDF : 1387.5/8

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.890 ± 0.498 χ^2/NDF : 160.5/16

Left Out: -4.682 ± 0.224 χ^2/NDF : 303.9/10

Right Out: 3.923 ± 0.506 χ^2/NDF : 122.4/19

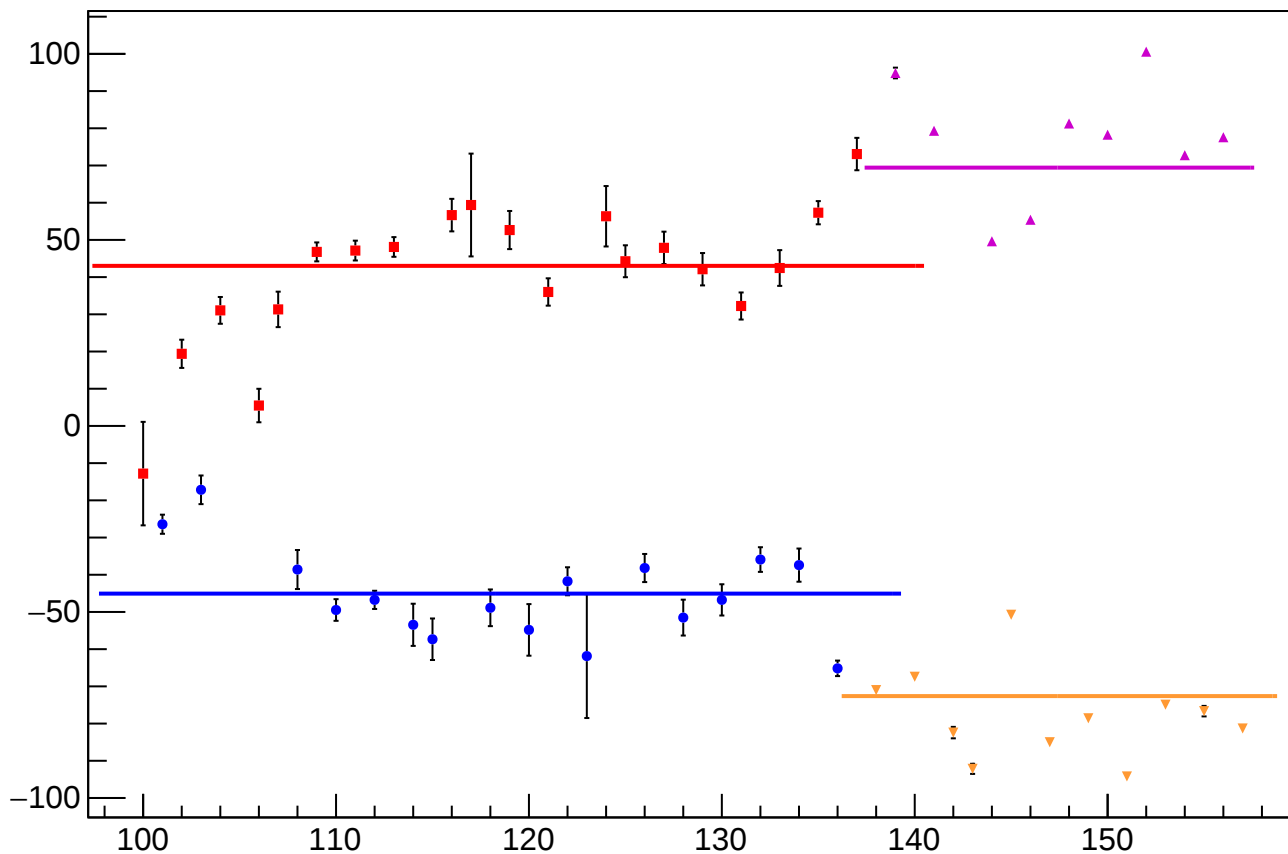
Left In: 5.768 ± 0.213 χ^2/NDF : 99.4/8

-4.549 ± 0.205 χ^2/NDF : 466.5/27

0.678 ± 0.142 χ^2/NDF : 1952.4/56

5.490 ± 0.196 χ^2/NDF : 233.1/28

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -45.070 ± 0.883 χ^2/NDF : 229.7/16

Left Out: -72.614 ± 0.327 χ^2/NDF : 1970.8/10

Right Out: 43.025 ± 0.876 χ^2/NDF : 249.7/19

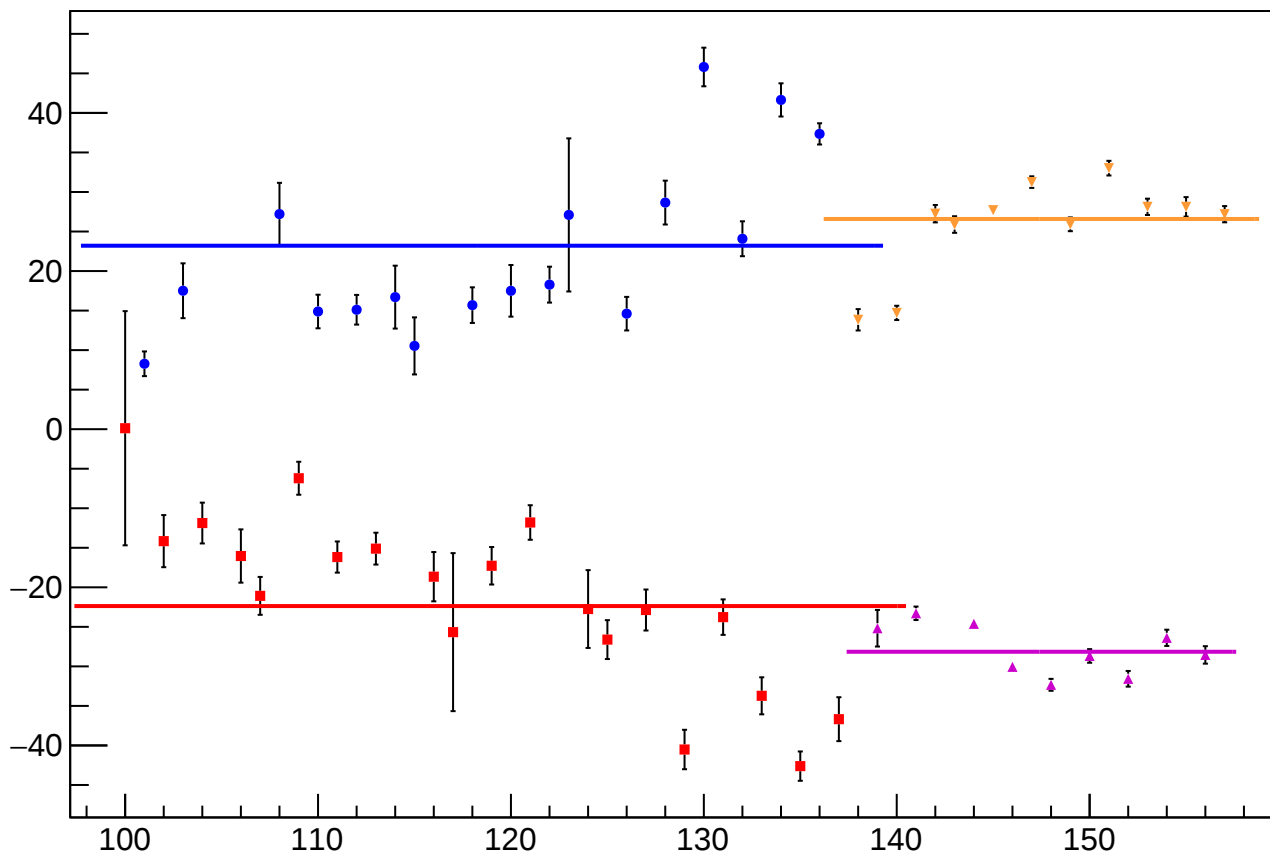
Left In: 69.427 ± 0.318 χ^2/NDF : 2755.0/8

-69.290 ± 0.307 χ^2/NDF : 3055.5/27

0.395 ± 0.214 χ^2/NDF : 107235.3/56

66.361 ± 0.299 χ^2/NDF : 3807.5/28

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.205 $\pm$ 0.559 χ^2/NDF : 457.3/16

Left Out: 26.589 $\pm$ 0.273 χ^2/NDF : 359.9/10

Right Out: -22.372 $\pm$ 0.572 χ^2/NDF : 367.0/19

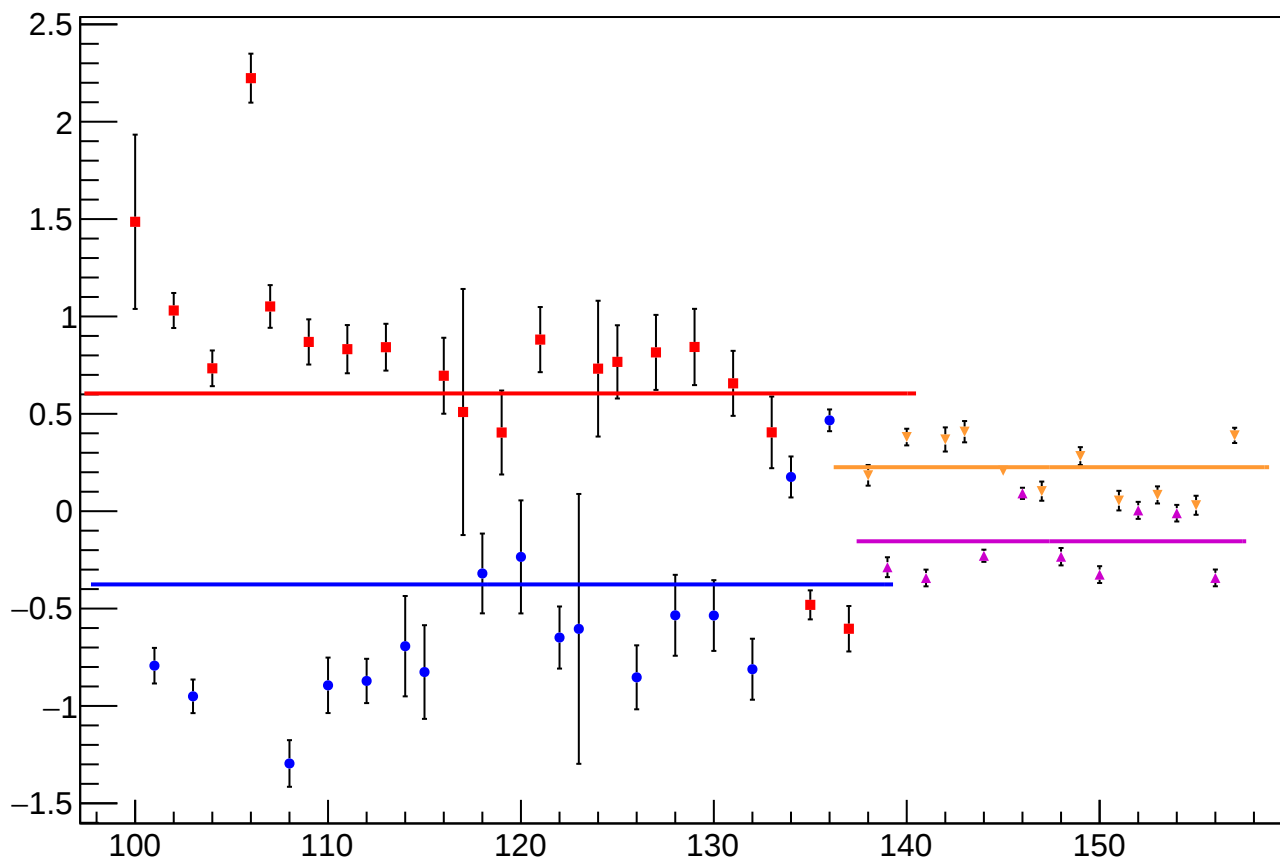
Left In: -28.151 $\pm$ 0.262 χ^2/NDF : 133.0/8

25.936 $\pm$ 0.245 χ^2/NDF : 846.8/27

-1.393 $\pm$ 0.171 χ^2/NDF : 25535.5/56

-27.148 $\pm$ 0.238 χ^2/NDF : 584.5/28

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.376 ± 0.030 $\chi^2/\text{NDF}: 437.3/16$

Left Out: 0.226 ± 0.013 $\chi^2/\text{NDF}: 93.9/10$

Right Out: 0.605 ± 0.030 $\chi^2/\text{NDF}: 551.2/19$

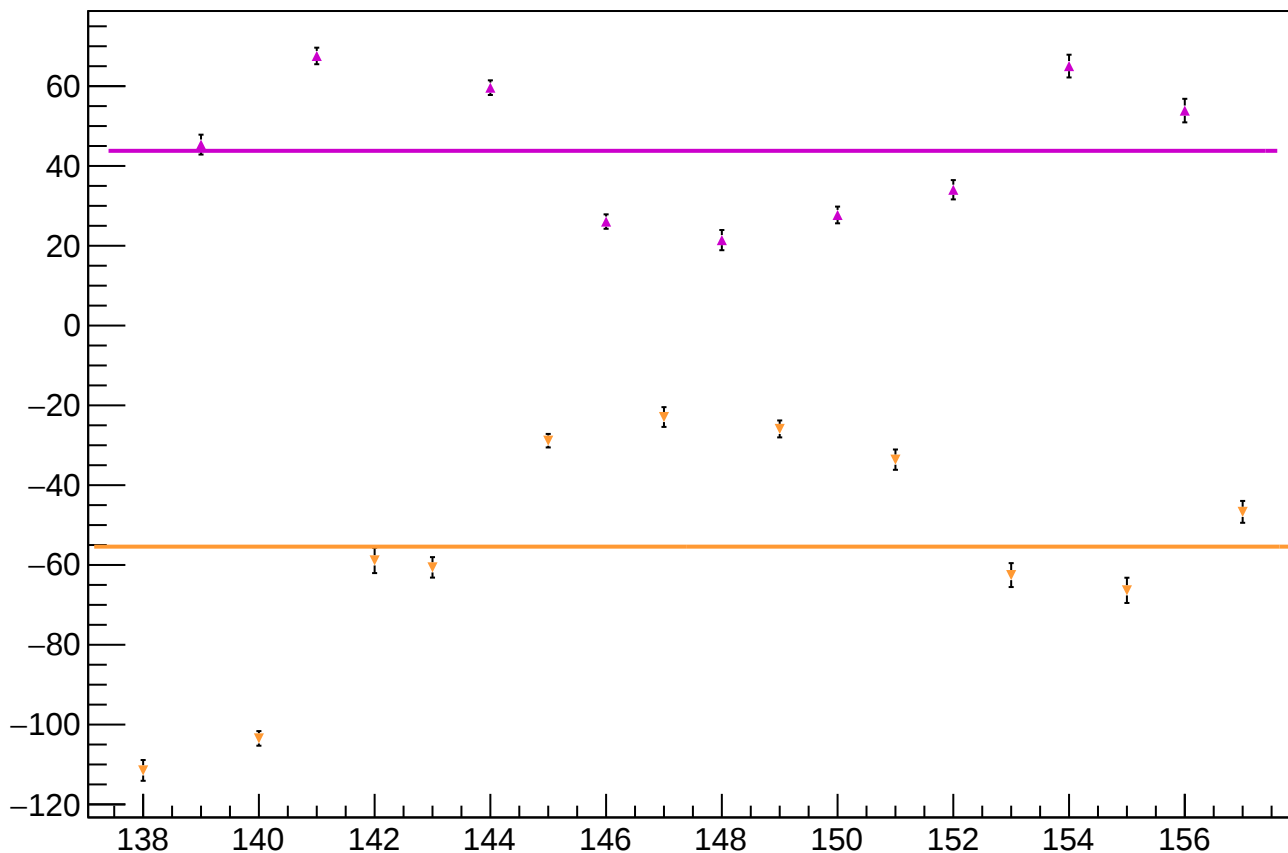
Left In: -0.154 ± 0.013 $\chi^2/\text{NDF}: 168.1/8$

0.131 ± 0.012 $\chi^2/\text{NDF}: 867.4/27$

0.049 ± 0.008 $\chi^2/\text{NDF}: 2213.1/56$

-0.034 ± 0.012 $\chi^2/\text{NDF}: 1251.2/28$

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -55.406+/-0.720 χ^2/NDF :1867.9/10

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

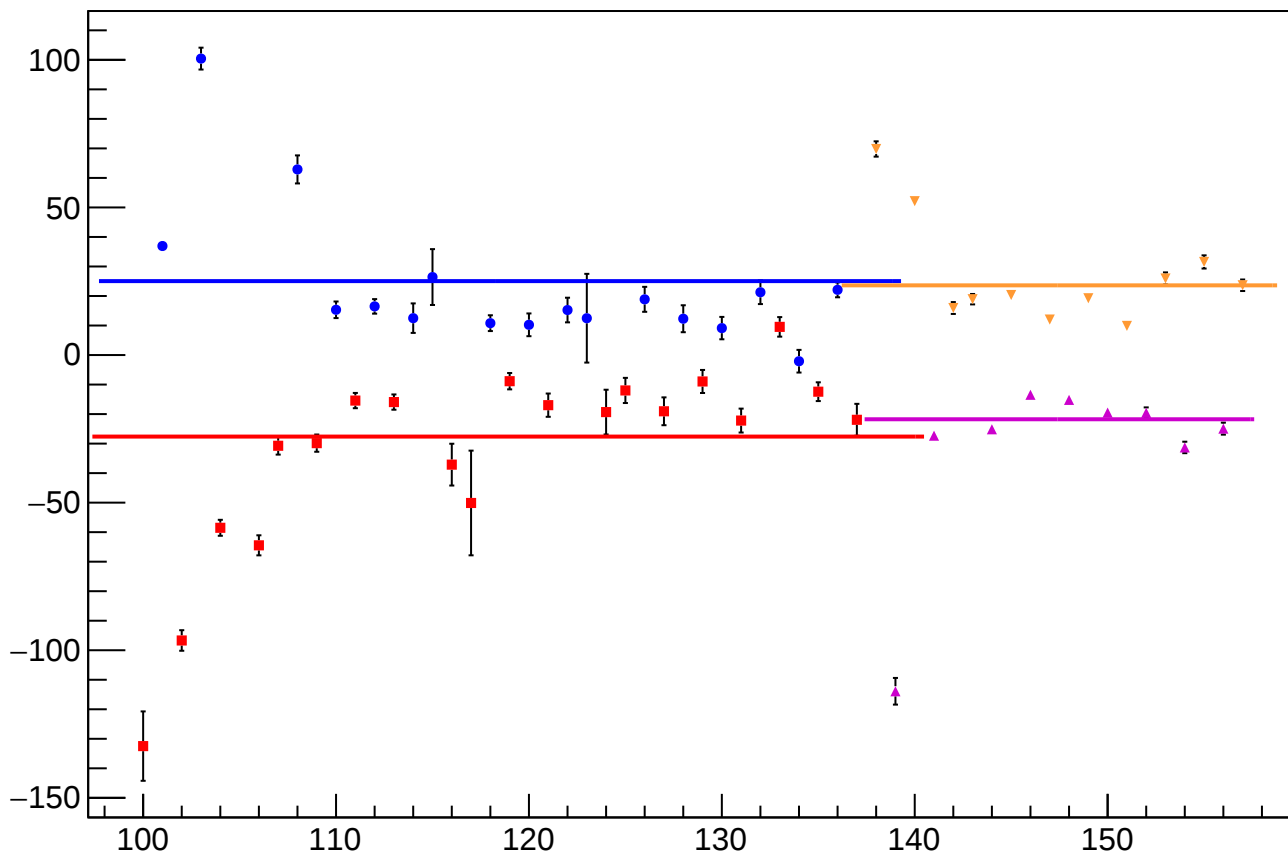
Left In: 43.791+/-0.748 χ^2/NDF :522.2/8

-55.406+/-0.720 χ^2/NDF : 1867.9/10

-7.676+/-0.519 χ^2/NDF : 11513.6/19

43.791+/-0.748 χ^2/NDF : 522.2/8

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 25.045 ± 0.806 χ^2/NDF : 686.4/16

Left Out: 23.610 ± 0.496 χ^2/NDF : 908.6/10

Right Out: -27.620 ± 0.809 χ^2/NDF : 1014.4/19

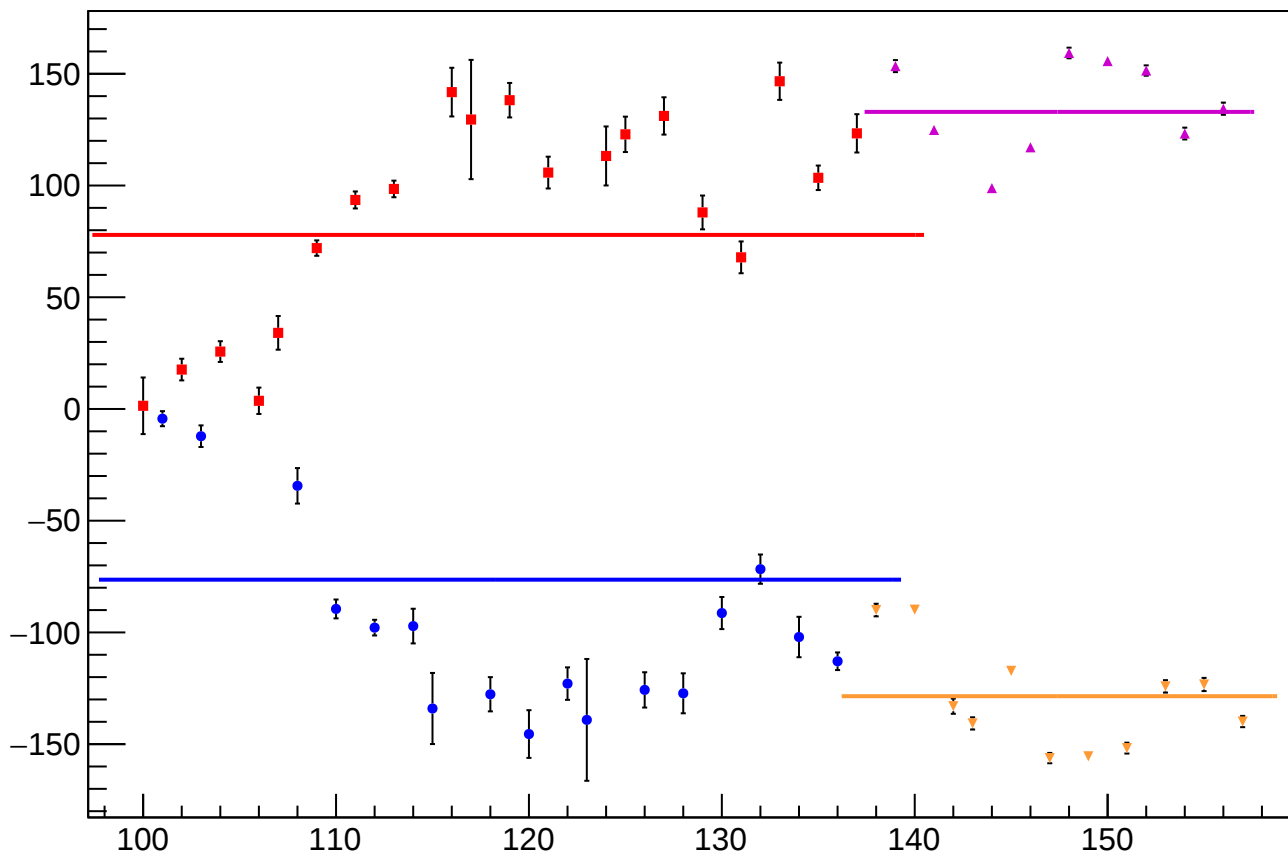
Left In: -21.757 ± 0.513 χ^2/NDF : 547.4/8

24.005 ± 0.423 χ^2/NDF : 1597.4/27

0.882 ± 0.303 χ^2/NDF : 9336.3/56

-23.440 ± 0.434 χ^2/NDF : 1599.2/28

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.392 ± 1.416 χ^2/NDF : 1031.9/16

Left Out: -128.544 ± 0.720 χ^2/NDF : 1085.4/10

Right Out: 77.894 ± 1.351 χ^2/NDF : 876.4/19

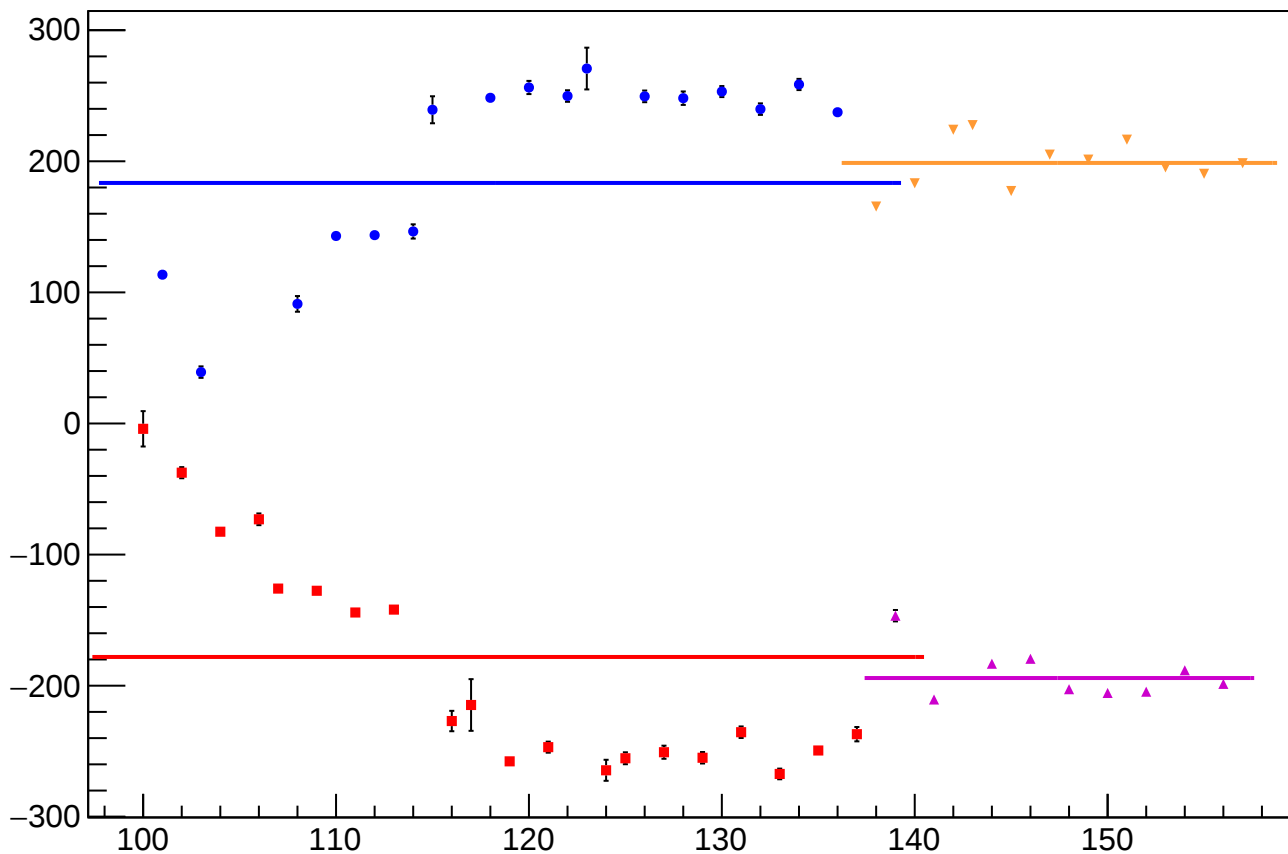
Left In: 132.953 ± 0.739 χ^2/NDF : 789.5/8

-117.835 ± 0.642 χ^2/NDF : 3194.9/27

0.040 ± 0.456 χ^2/NDF : 74289.7/56

120.281 ± 0.648 χ^2/NDF : 2944.4/28

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 183.478+/-0.919 χ^2/NDF : 5331.4/16

Left Out: 198.747+/-0.604 χ^2/NDF : 784.0/10

Right Out: -178.092+/-0.923 χ^2/NDF : 6349.2/19

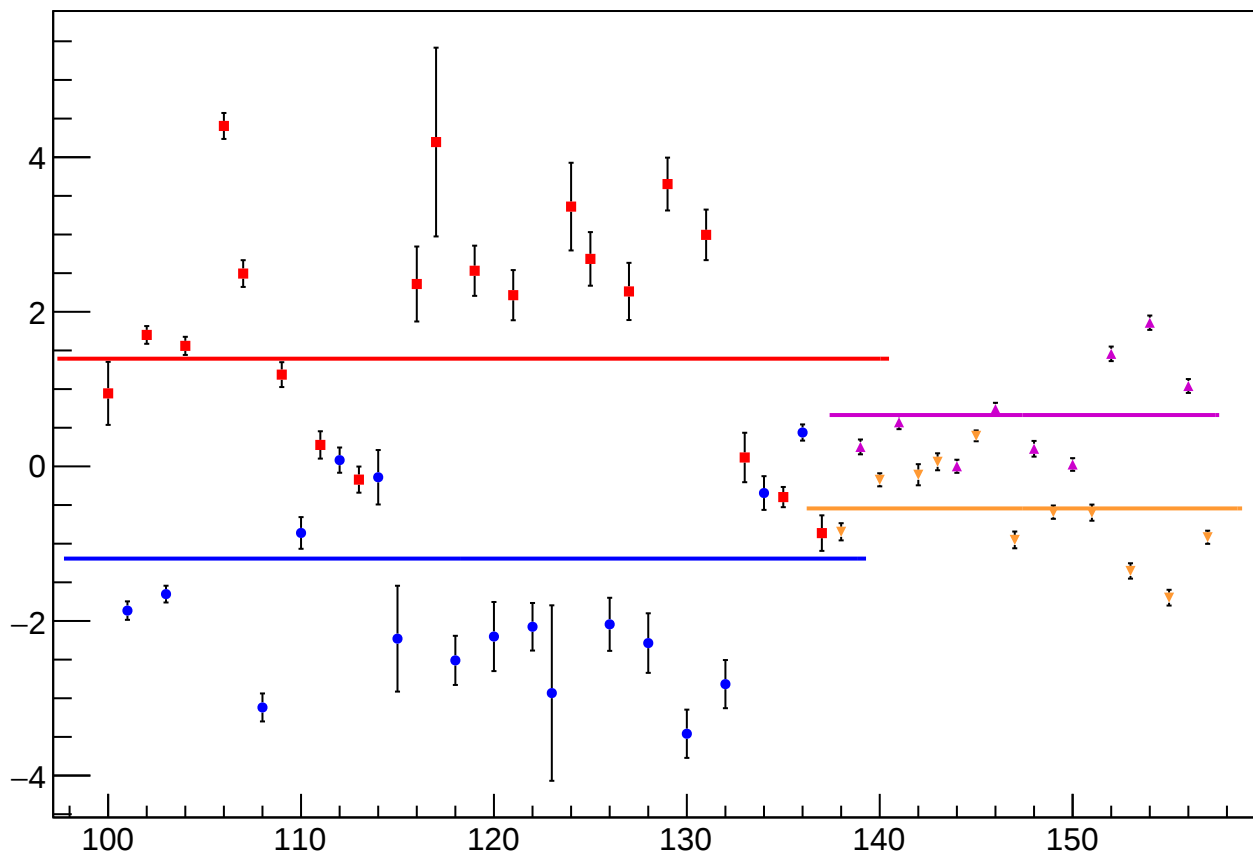
Left In: -194.159+/-0.623 χ^2/NDF : 465.2/8

194.144+/-0.504 χ^2/NDF : 6308.4/27

6.989+/-0.361 χ^2/NDF : 295273.7/56

-189.130+/-0.516 χ^2/NDF : 7022.6/28

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.544 ± 0.029 χ^2/NDF : 473.6/10

Right Out: 1.393 ± 0.046 χ^2/NDF : 925.8/19

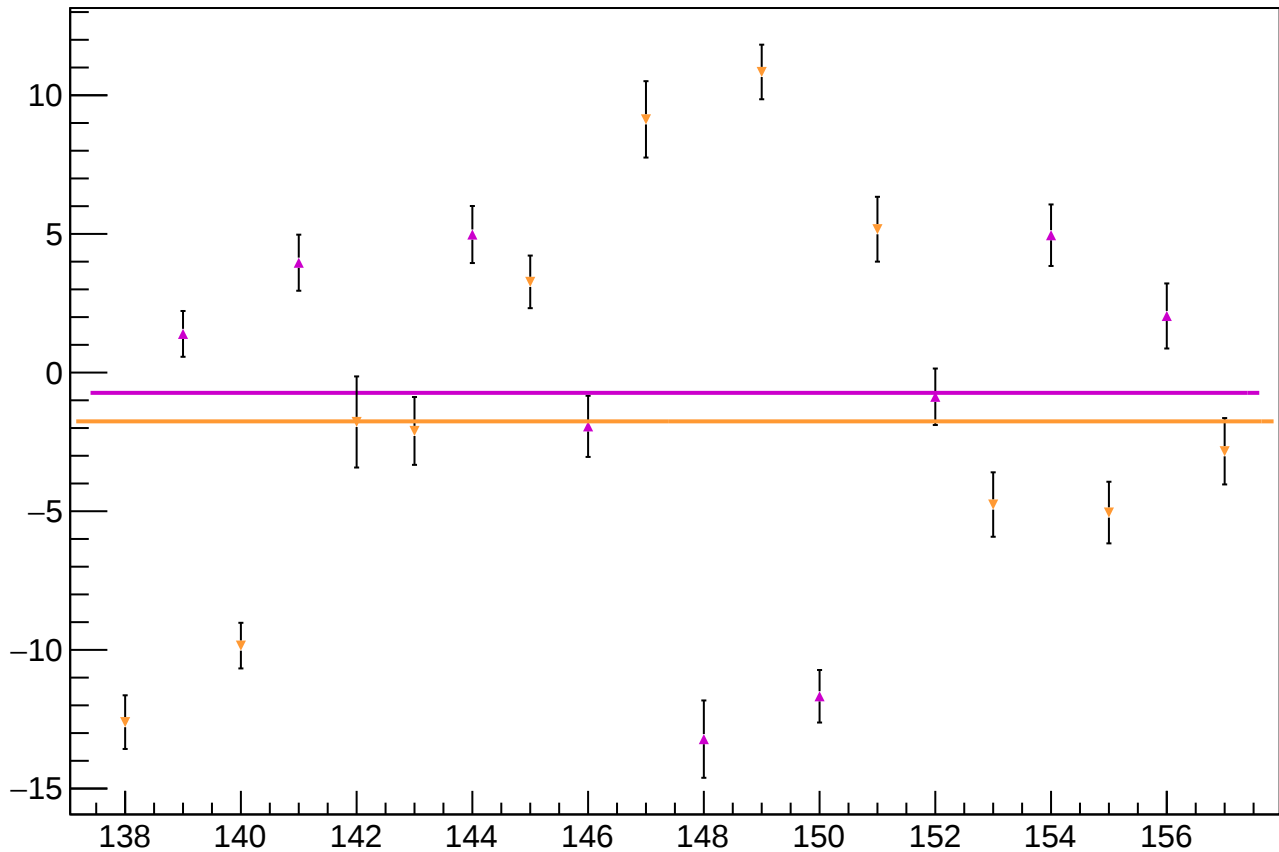
Left In: 0.664 ± 0.030 χ^2/NDF : 414.3/8

-0.715 ± 0.025 χ^2/NDF : 1228.9/27

0.074 ± 0.018 χ^2/NDF : 4808.7/56

0.882 ± 0.025 χ^2/NDF : 1518.0/28

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -1.759+/-0.329 χ^2/NDF : 528.2/10

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

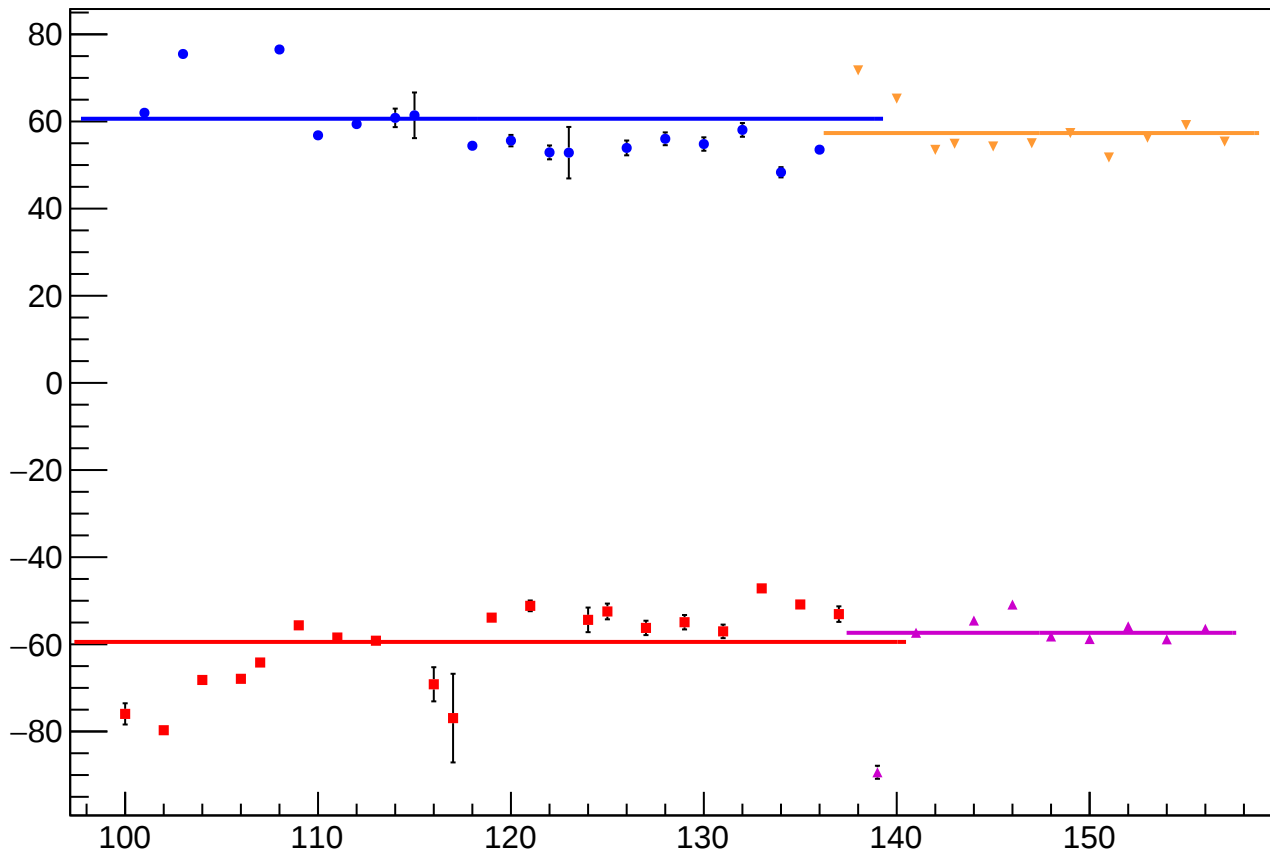
Left In: -0.731+/-0.346 χ^2/NDF : 305.6/8

-1.759+/-0.329 χ^2/NDF : 528.2/10

-1.271+/-0.238 χ^2/NDF : 838.4/19

-0.731+/-0.346 χ^2/NDF : 305.6/8

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: 57.342 $\pm$ 0.234 χ^2 /NDF: 449.5/10

Right Out: -59.448 $\pm$ 0.248 χ^2 /NDF: 1326.3/19

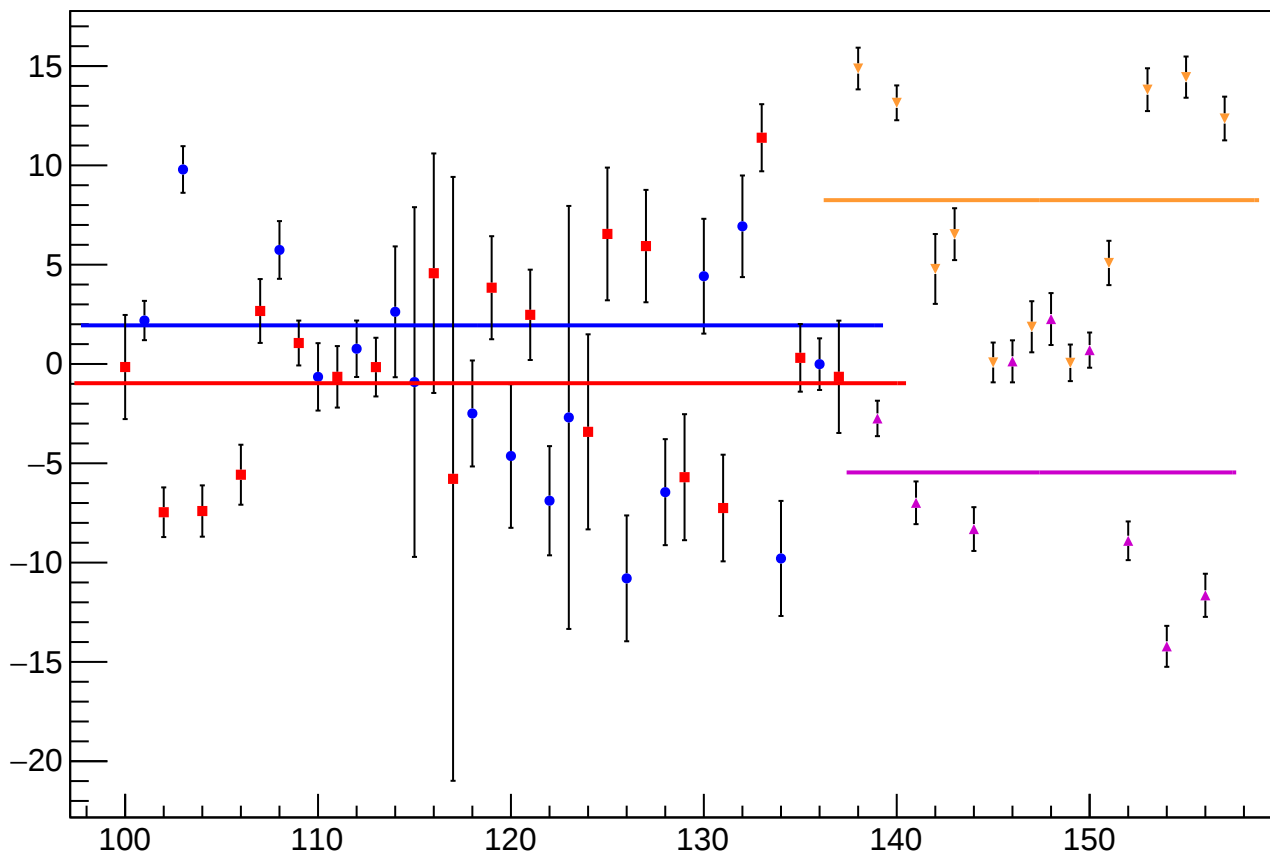
Left In: -57.358 $\pm$ 0.253 χ^2 /NDF: 570.1/8

58.793 $\pm$ 0.175 χ^2 /NDF: 1461.0/27

0.923 $\pm$ 0.124 χ^2 /NDF: 225305.7/56

-58.426 $\pm$ 0.177 χ^2 /NDF: 1931.2/28

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.945 ± 0.459 χ^2/NDF : 120.6/16

Left Out: 8.249 ± 0.328 χ^2/NDF : 331.2/10

Right Out: -0.968 ± 0.424 χ^2/NDF : 149.6/19

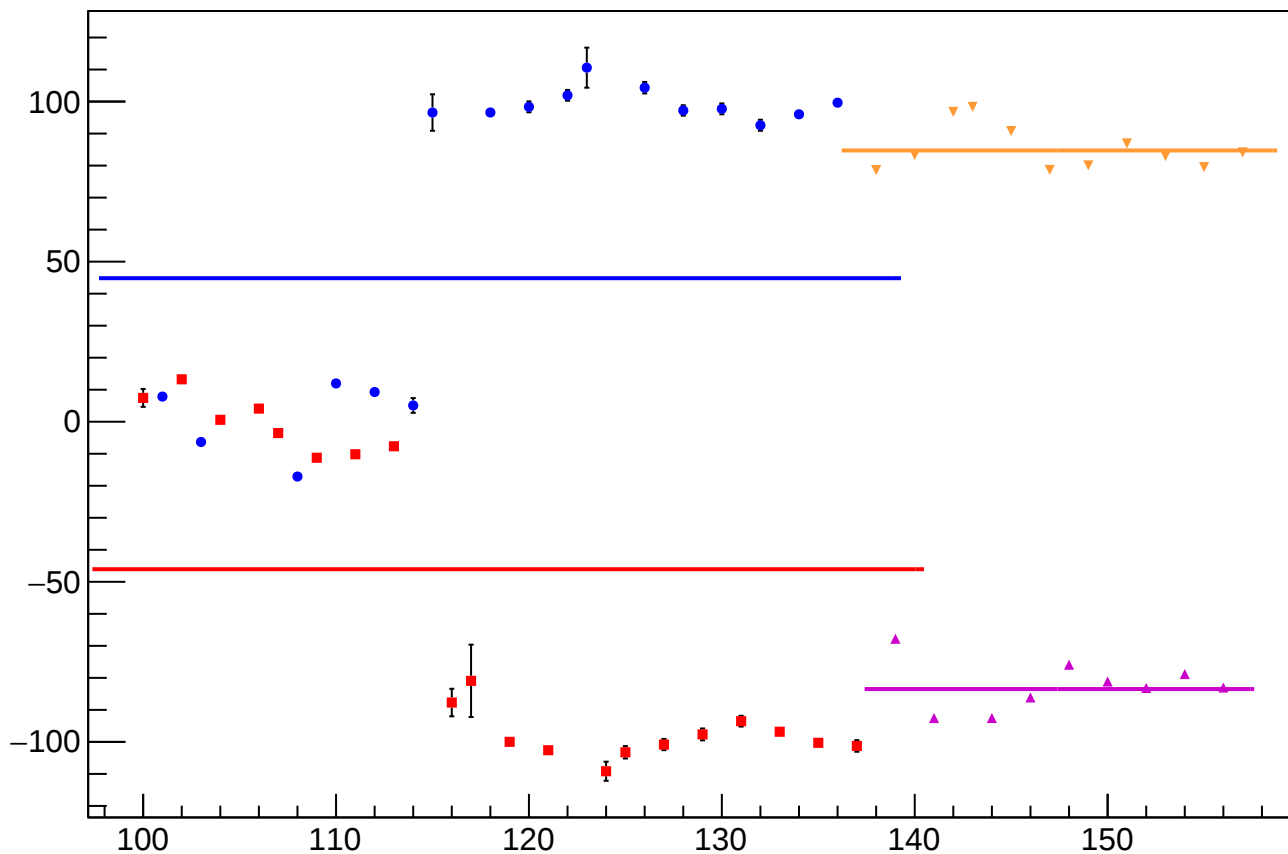
Left In: -5.460 ± 0.342 χ^2/NDF : 246.1/8

6.120 ± 0.267 χ^2/NDF : 576.8/27

1.211 ± 0.188 χ^2/NDF : 1718.0/56

-3.689 ± 0.266 χ^2/NDF : 463.7/28

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 44.829 ± 0.305 $\chi^2/\text{NDF}: 24763.1/16$

Left Out: 84.721 ± 0.281 $\chi^2/\text{NDF}: 472.1/10$

Right Out: -46.062 ± 0.289 $\chi^2/\text{NDF}: 28272.9/19$

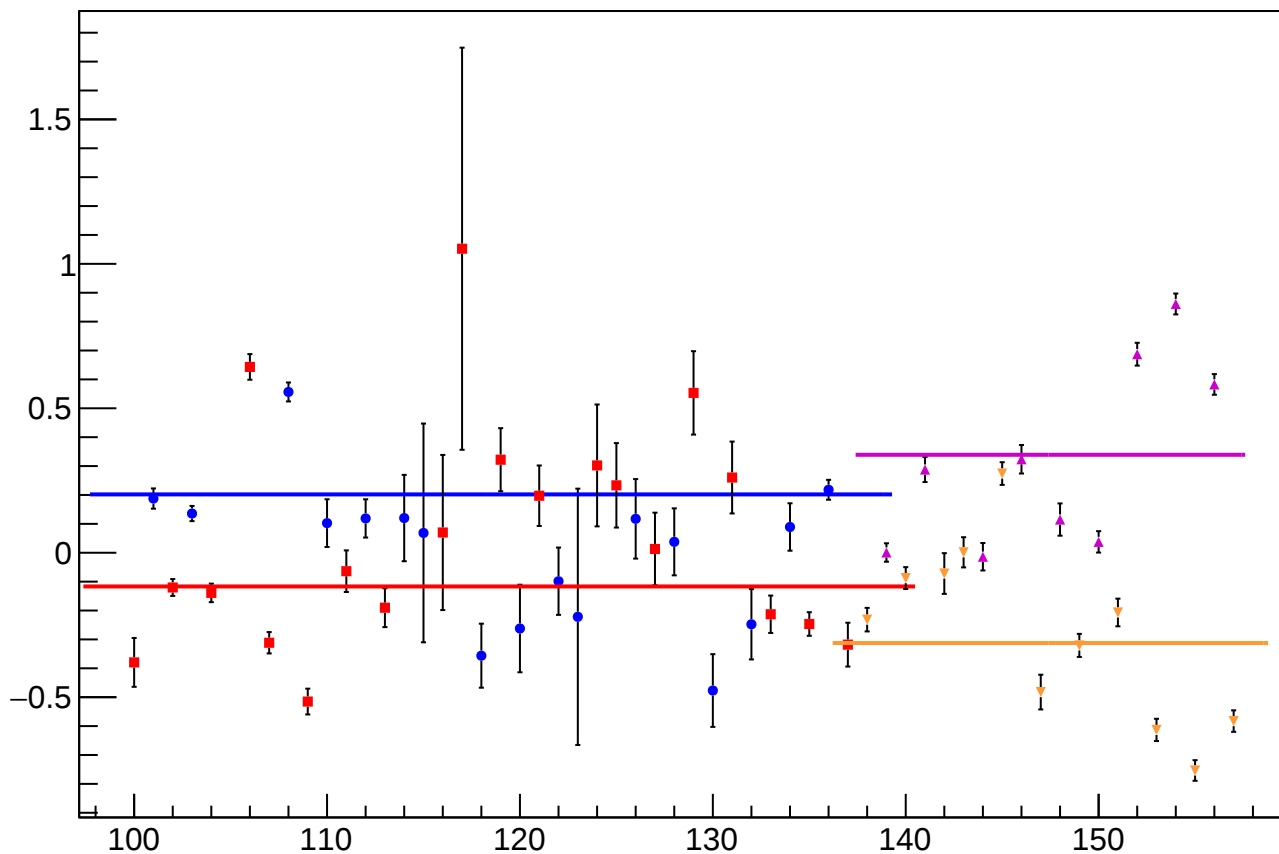
Left In: -83.492 ± 0.301 $\chi^2/\text{NDF}: 444.6/8$

66.394 ± 0.206 $\chi^2/\text{NDF}: 34503.9/27$

1.891 ± 0.147 $\chi^2/\text{NDF}: 268538.0/56$

-64.019 ± 0.209 $\chi^2/\text{NDF}: 36743.4/28$

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.202 ± 0.014 χ^2/NDF : 216.0/16

Left Out: -0.312 ± 0.013 χ^2/NDF : 589.3/10

Right Out: -0.117 ± 0.013 χ^2/NDF : 502.5/19

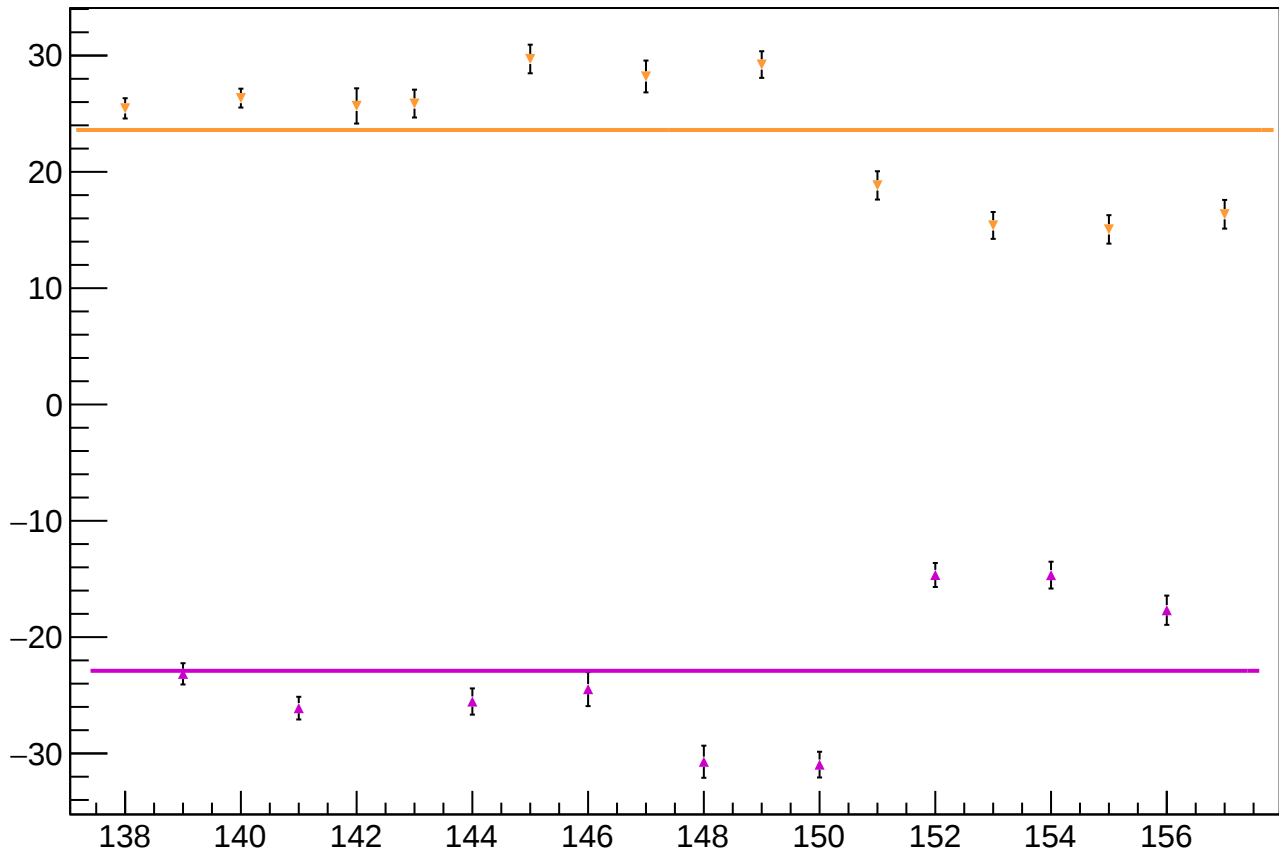
Left In: 0.339 ± 0.013 χ^2/NDF : 584.6/8

-0.078 ± 0.009 χ^2/NDF : 1533.7/27

0.016 ± 0.007 χ^2/NDF : 3407.7/56

0.106 ± 0.009 χ^2/NDF : 1684.0/28

reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 23.602+/-0.340 χ^2/NDF : 230.5/10

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

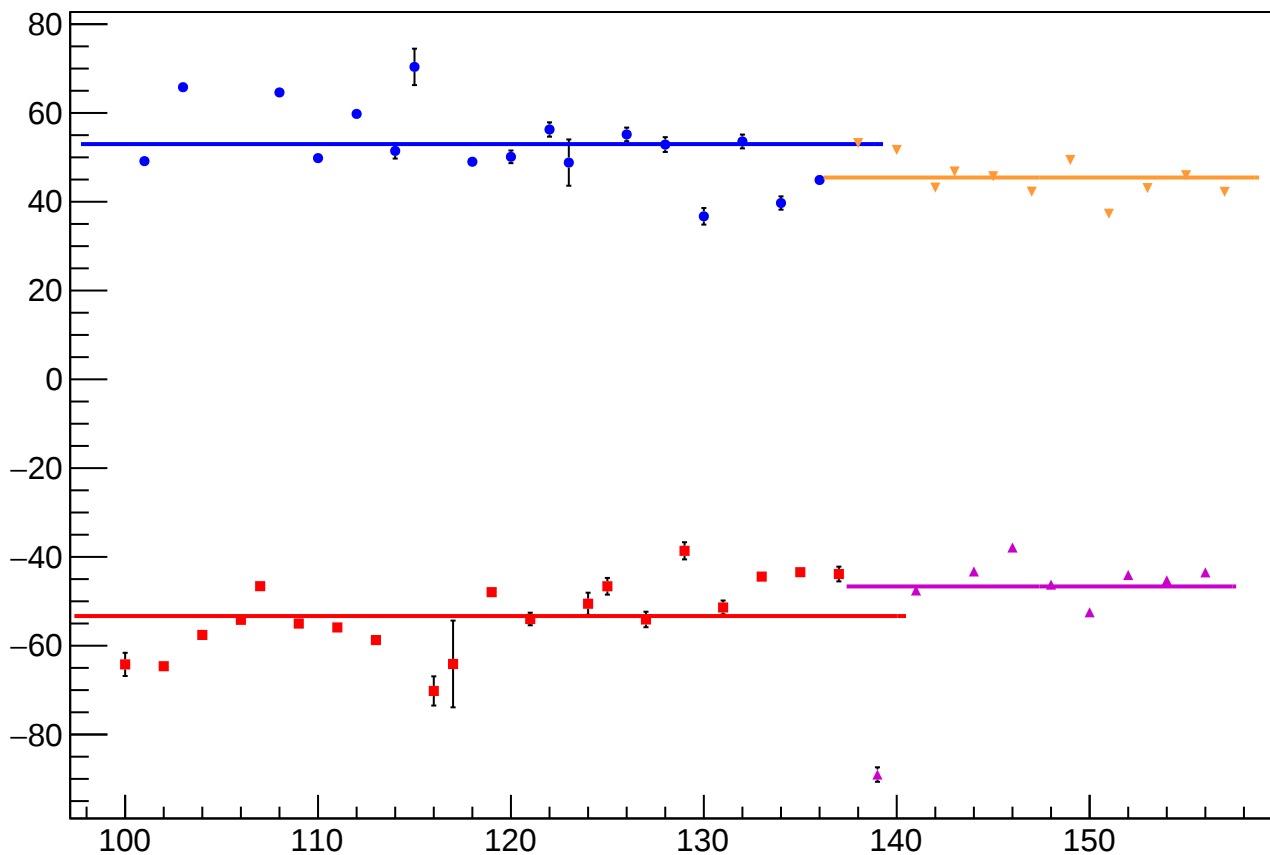
Left In: -22.895+/-0.373 χ^2/NDF : 234.5/8

23.602+/-0.340 χ^2/NDF : 230.5/10

2.563+/-0.251 χ^2/NDF : 8950.6/19

-22.895+/-0.373 χ^2/NDF : 234.5/8

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 52.989 ± 0.211 $\chi^2/\text{NDF}: 1198.0/16$

Left Out: 45.455 ± 0.240 $\chi^2/\text{NDF}: 371.1/10$

Right Out: -53.320 ± 0.227 $\chi^2/\text{NDF}: 876.8/19$

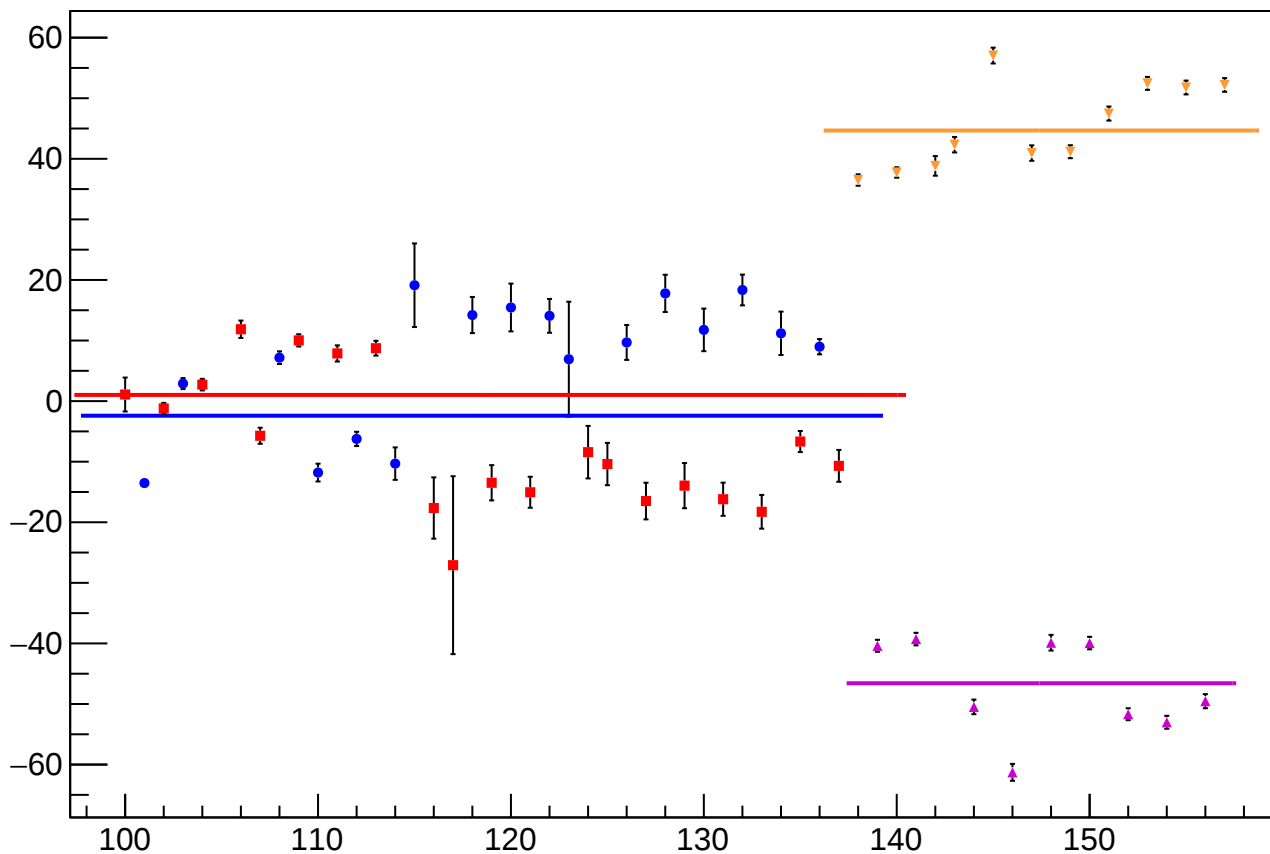
Left In: -46.652 ± 0.269 $\chi^2/\text{NDF}: 878.3/8$

49.713 ± 0.159 $\chi^2/\text{NDF}: 2124.1/27$

4.042 ± 0.117 $\chi^2/\text{NDF}: 186400.9/56$

-50.552 ± 0.173 $\chi^2/\text{NDF}: 2114.4/28$

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.409 ± 0.364 χ^2/NDF : 834.6/16

Left Out: 44.672 ± 0.340 χ^2/NDF : 405.4/10

Right Out: 1.021 ± 0.377 χ^2/NDF : 511.2/19

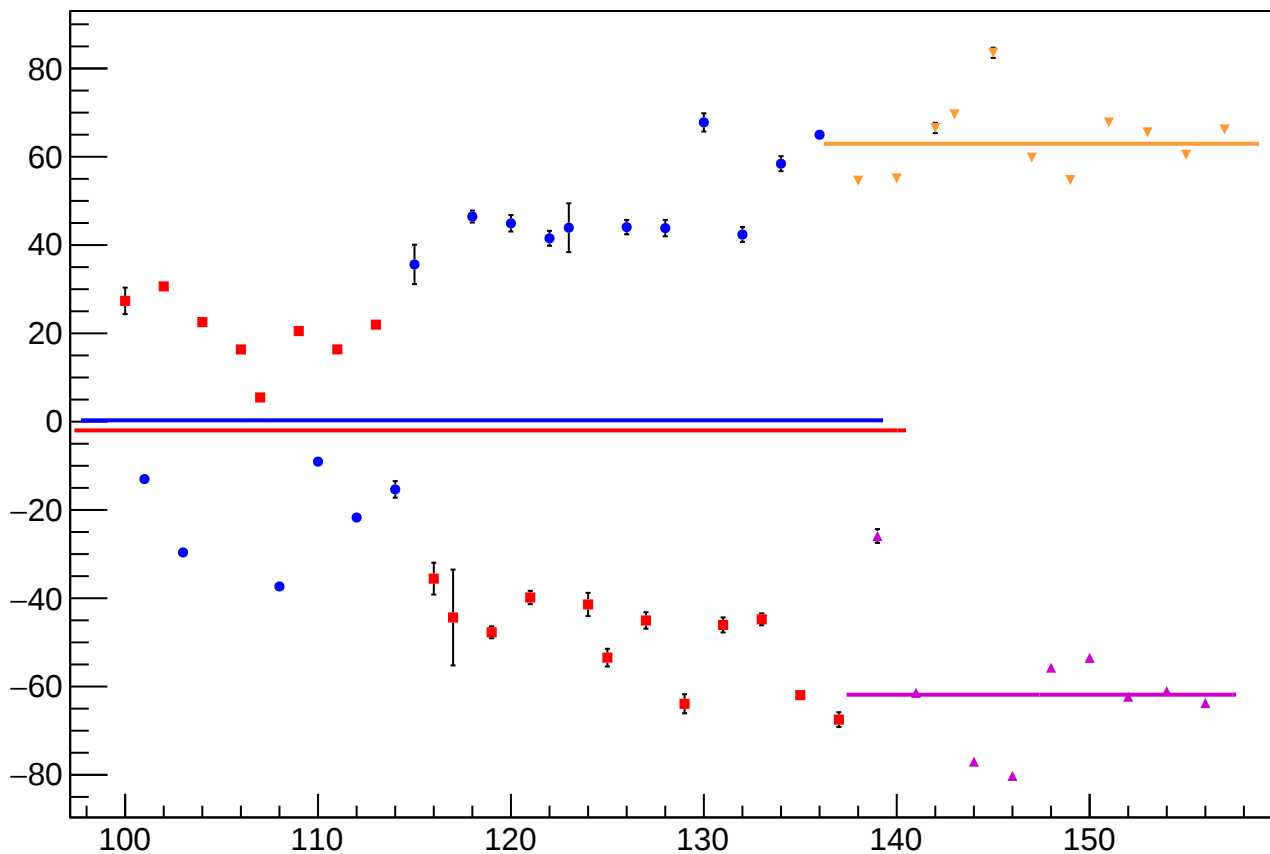
Left In: -46.574 ± 0.370 χ^2/NDF : 347.3/8

22.785 ± 0.248 χ^2/NDF : 10176.8/27

1.172 ± 0.181 χ^2/NDF : 35280.9/56

-23.234 ± 0.264 χ^2/NDF : 8983.7/28

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.300 ± 0.247 $\chi^2/\text{NDF}: 18259.2/16$

Left Out: 62.945 ± 0.290 $\chi^2/\text{NDF}: 682.7/10$

Right Out: -1.978 ± 0.267 $\chi^2/\text{NDF}: 15465.9/19$

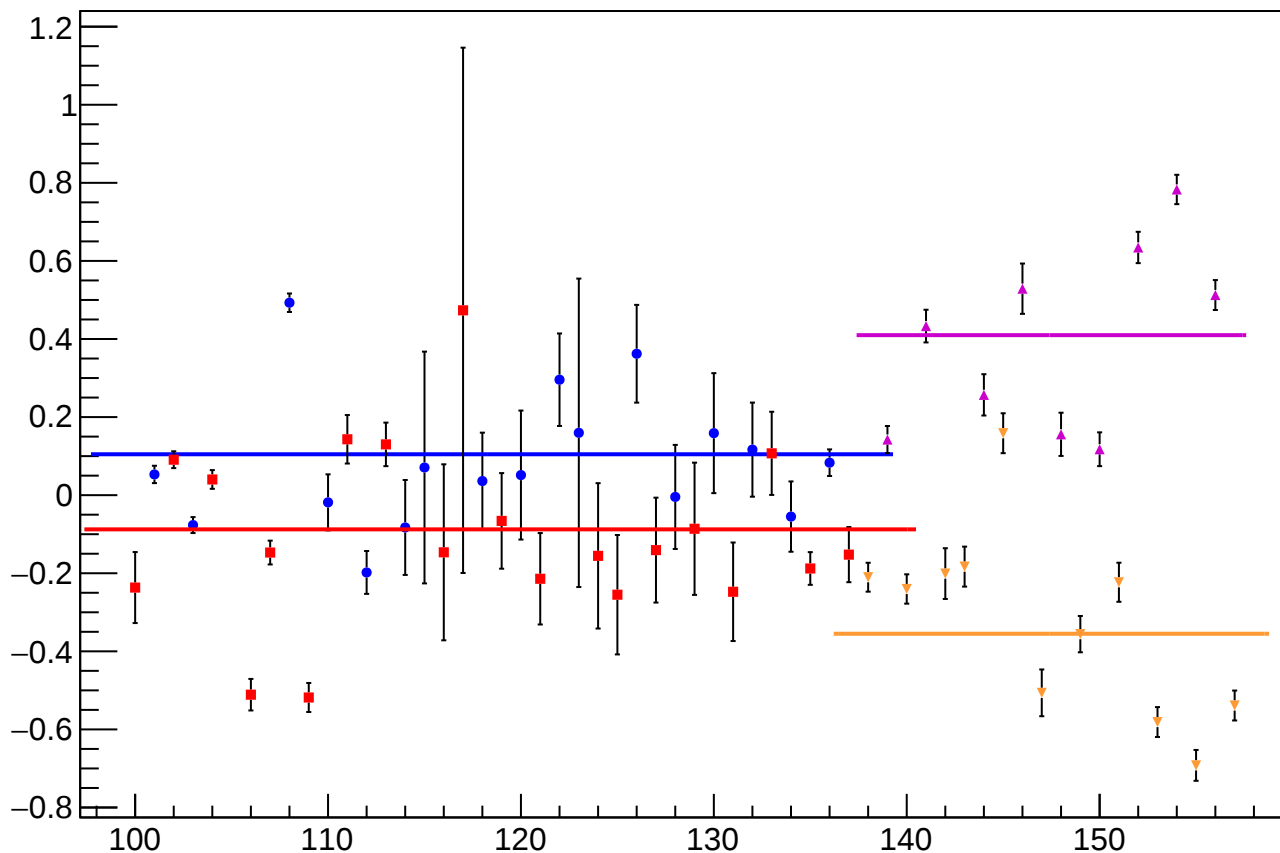
Left In: -61.840 ± 0.322 $\chi^2/\text{NDF}: 1189.3/8$

26.690 ± 0.188 $\chi^2/\text{NDF}: 45947.8/27$

2.515 ± 0.139 $\chi^2/\text{NDF}: 119227.2/56$

-26.282 ± 0.205 $\chi^2/\text{NDF}: 37133.1/28$

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 ± 0.011 χ^2/NDF : 400.8/16

Left Out: -0.355 ± 0.013 χ^2/NDF : 286.5/10

Right Out: -0.088 ± 0.011 χ^2/NDF : 391.6/19

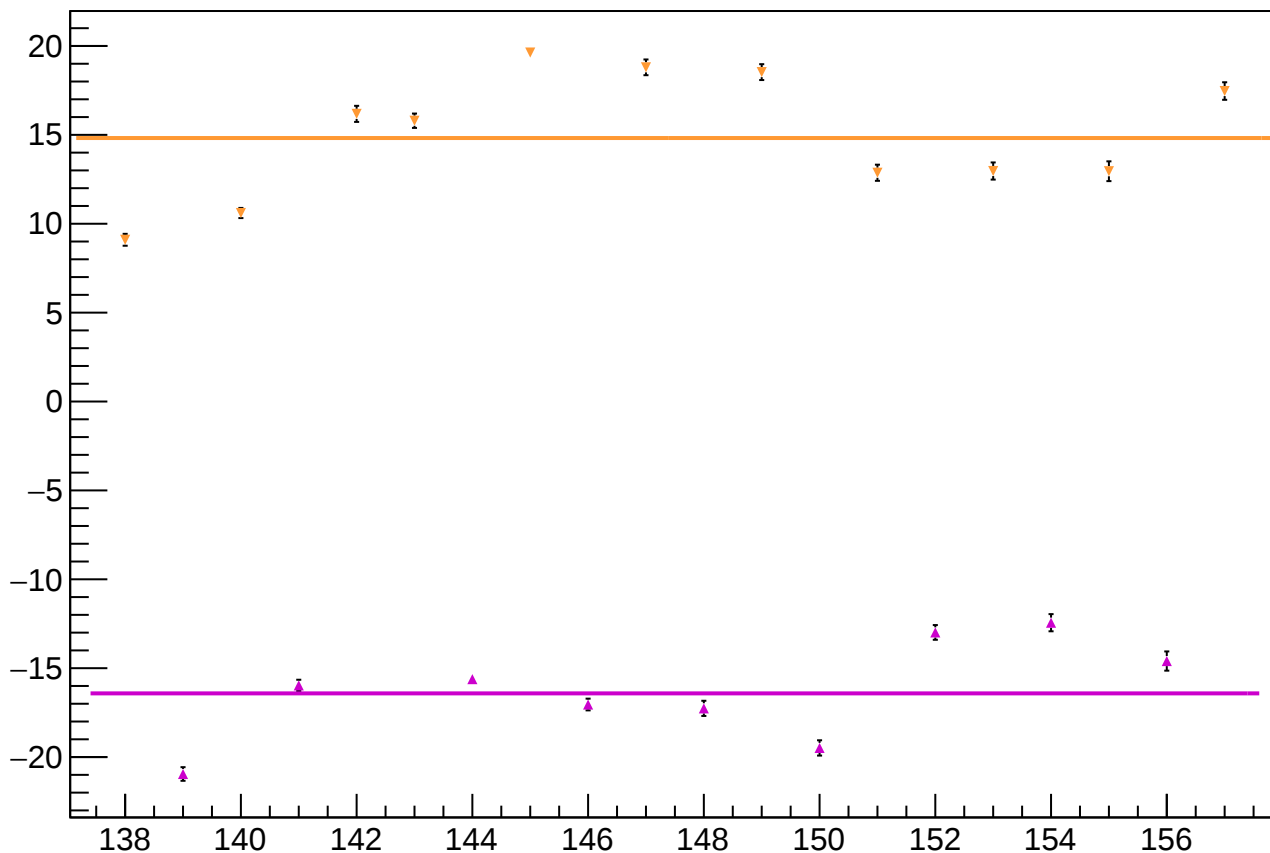
Left In: 0.410 ± 0.014 χ^2/NDF : 275.1/8

-0.081 ± 0.009 χ^2/NDF : 1389.3/27

0.006 ± 0.006 χ^2/NDF : 3027.6/56

0.097 ± 0.009 χ^2/NDF : 1424.3/28

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 14.822+/-0.118 χ^2/NDF : 1057.0/10

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

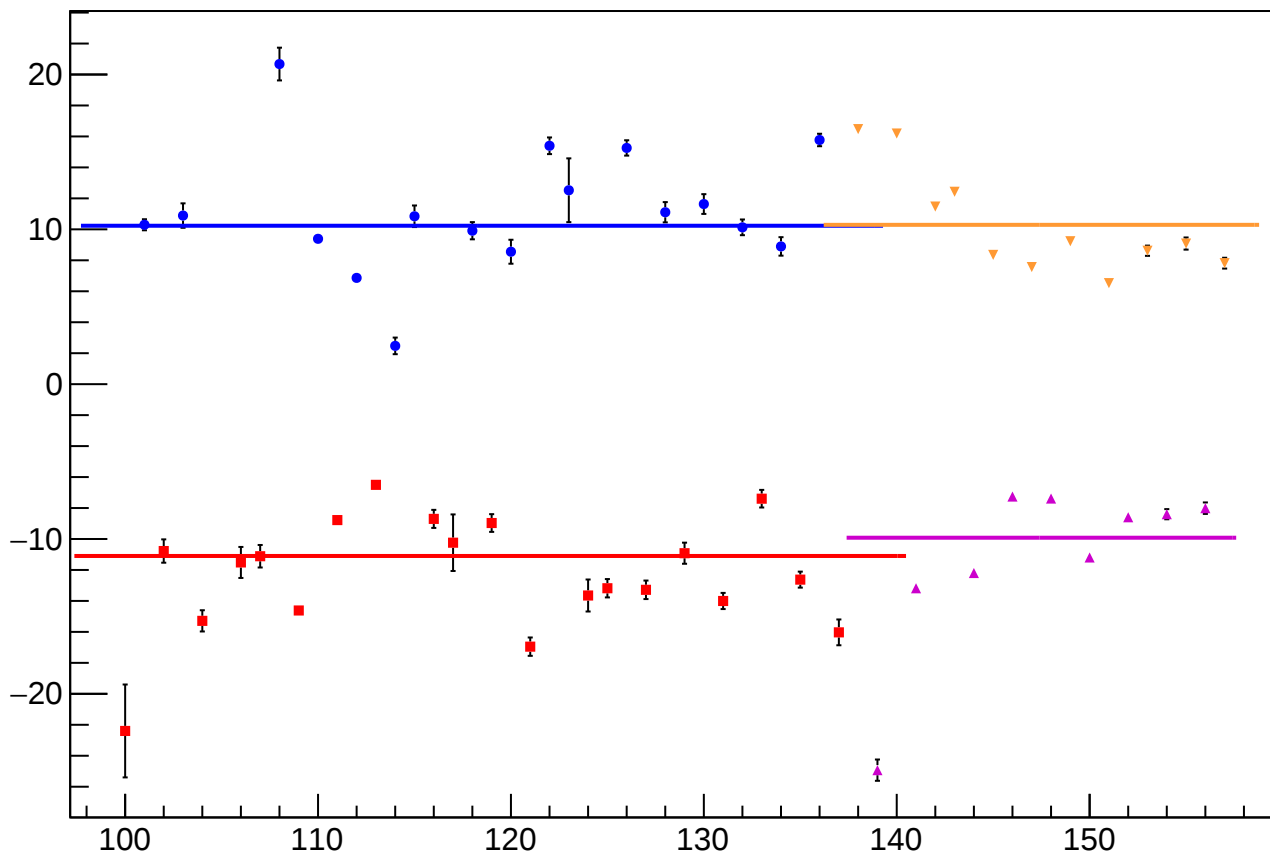
Left In: -16.417+/-0.126 χ^2/NDF : 355.8/8

14.822+/-0.118 χ^2/NDF : 1057.0/10

0.283+/-0.086 χ^2/NDF : 34195.4/19

-16.417+/-0.126 χ^2/NDF : 355.8/8

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.232 ± 0.119 χ^2/NDF : 876.7/16

Left Out: 10.291 ± 0.082 χ^2/NDF : 1643.6/10

Right Out: -11.096 ± 0.116 χ^2/NDF : 818.0/19

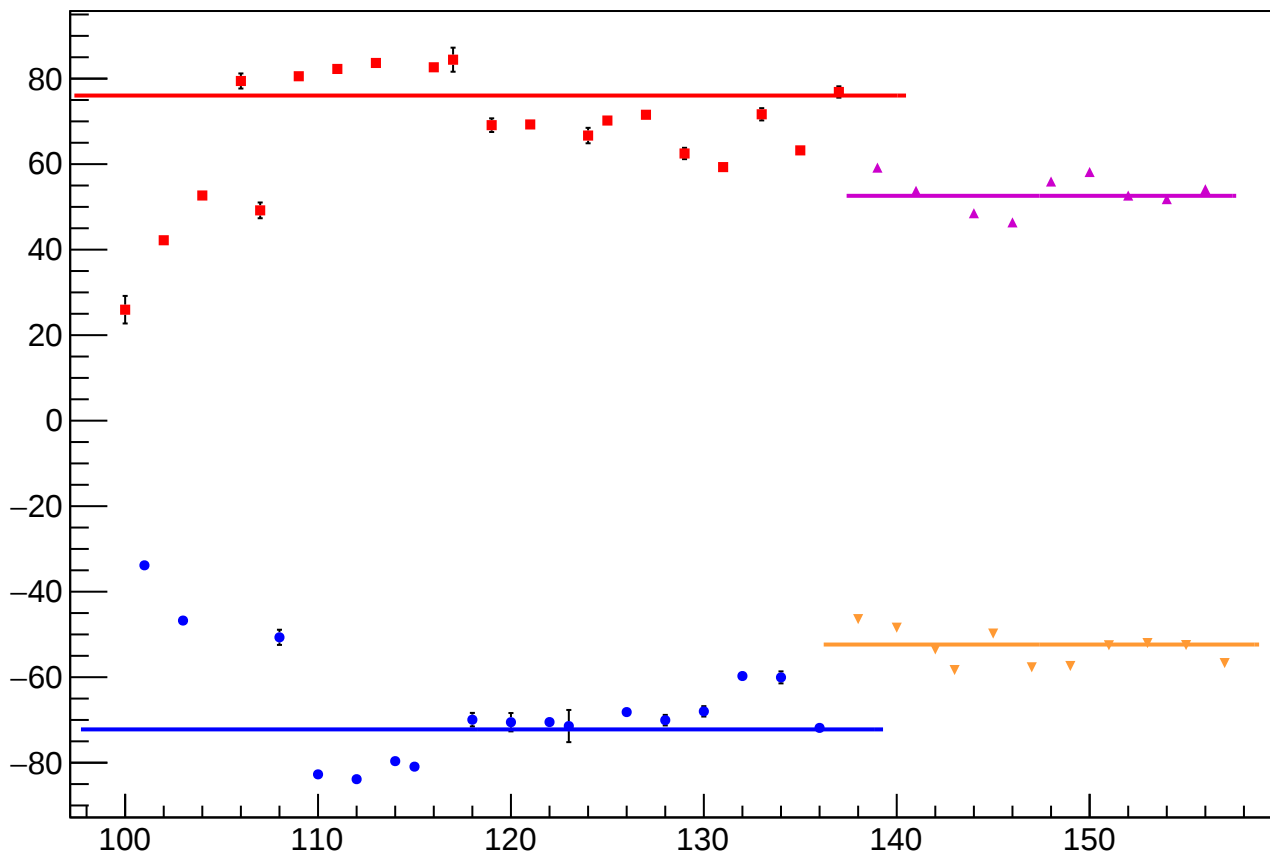
Left In: -9.918 ± 0.086 χ^2/NDF : 1227.8/8

10.272 ± 0.068 χ^2/NDF : 2520.5/27

0.204 ± 0.048 χ^2/NDF : 49819.4/56

-10.338 ± 0.069 χ^2/NDF : 2112.1/28

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.211 ± 0.198 χ^2/NDF : 5566.2/16

Left Out: -52.361 ± 0.119 χ^2/NDF : 1114.4/10

Right Out: 76.044 ± 0.181 χ^2/NDF : 3472.2/19

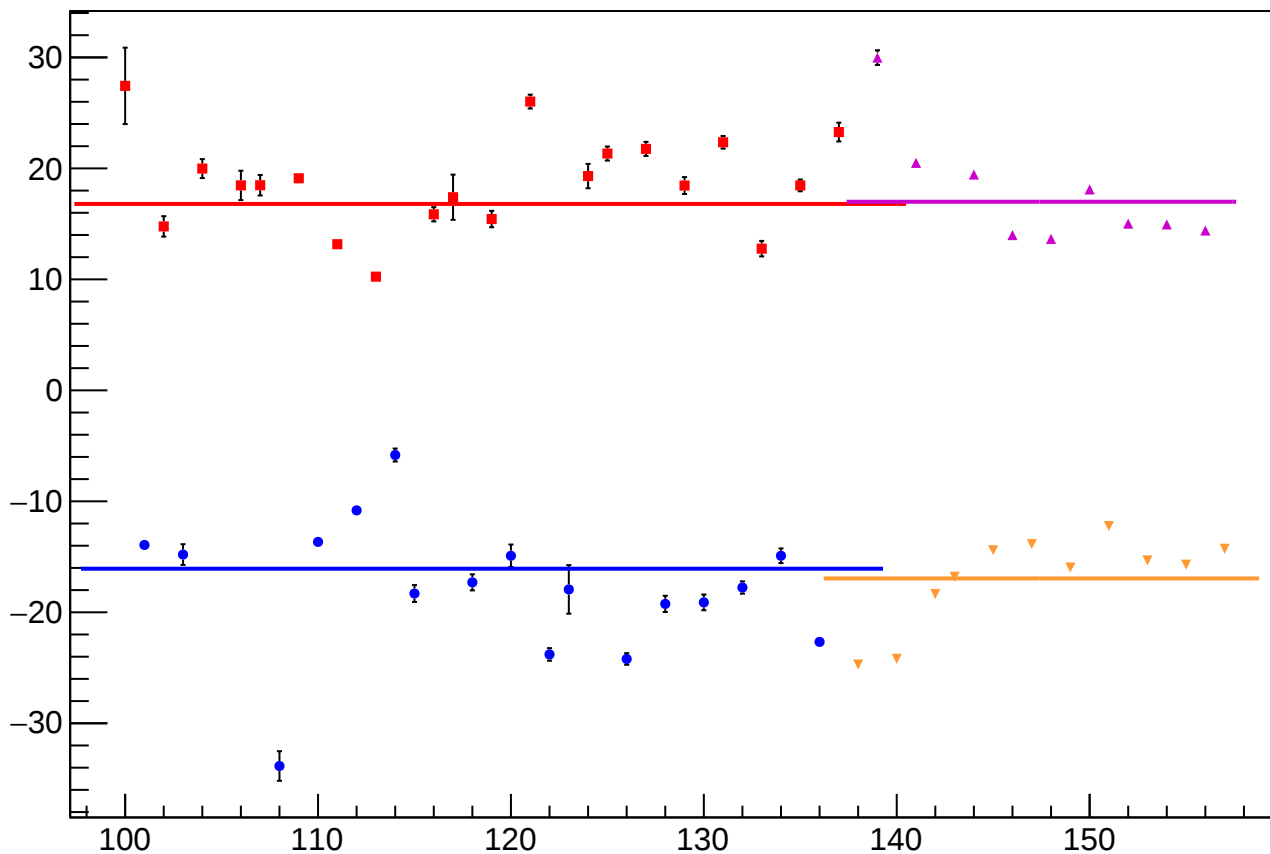
Left In: 52.590 ± 0.126 χ^2/NDF : 1103.8/8

-57.649 ± 0.102 χ^2/NDF : 14054.4/27

0.710 ± 0.073 χ^2/NDF : 688814.7/56

60.251 ± 0.103 χ^2/NDF : 15931.1/28

reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.073 ± 0.133 χ^2/NDF : 1640.5/16

Left Out: -16.948 ± 0.100 χ^2/NDF : 1601.2/10

Right Out: 16.797 ± 0.128 χ^2/NDF : 1216.1/19

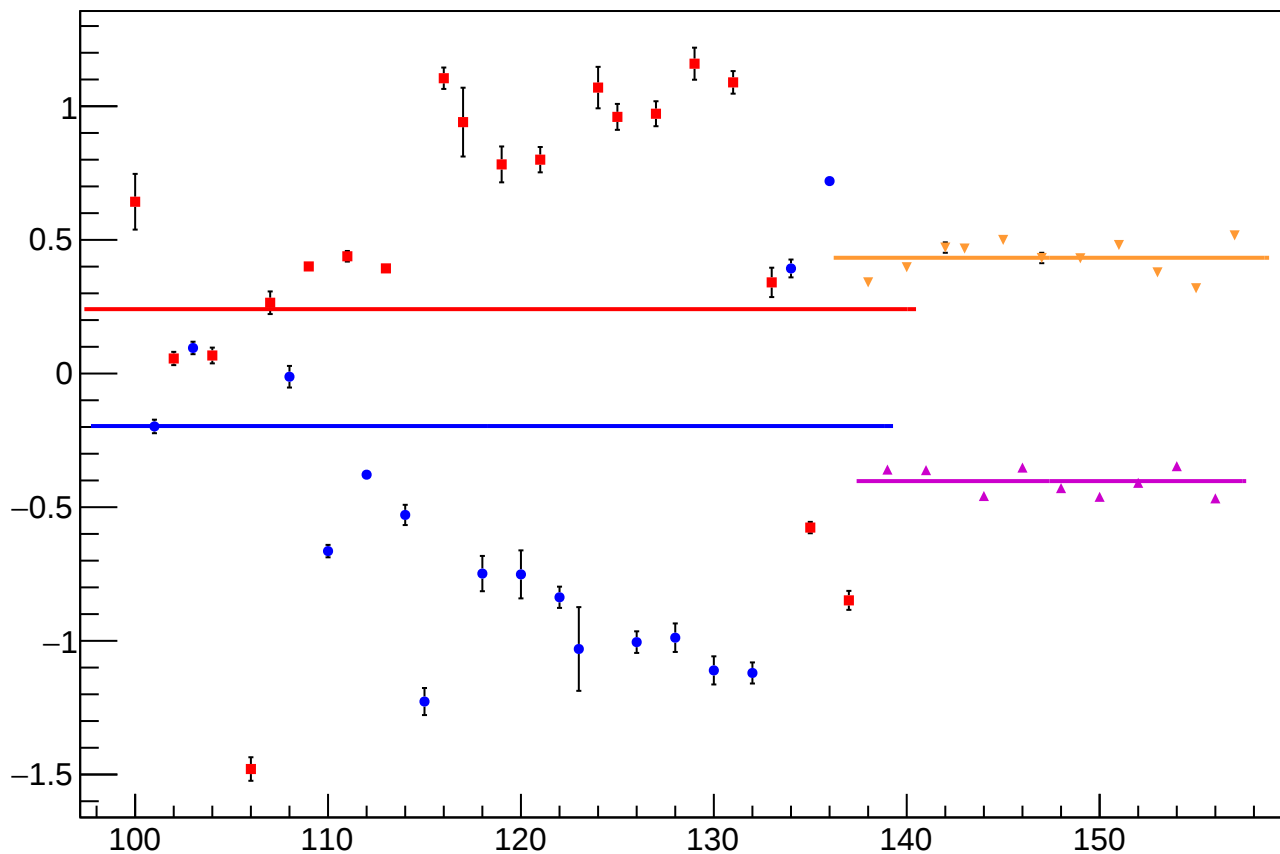
Left In: 16.995 ± 0.106 χ^2/NDF : 1036.8/8

-16.631 ± 0.080 χ^2/NDF : 3269.5/27

-0.196 ± 0.057 χ^2/NDF : 92029.6/56

16.915 ± 0.081 χ^2/NDF : 2254.4/28

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.433 ± 0.005 χ^2/NDF : 177.8/10

Right Out: 0.241 ± 0.007 χ^2/NDF : 6218.3/19

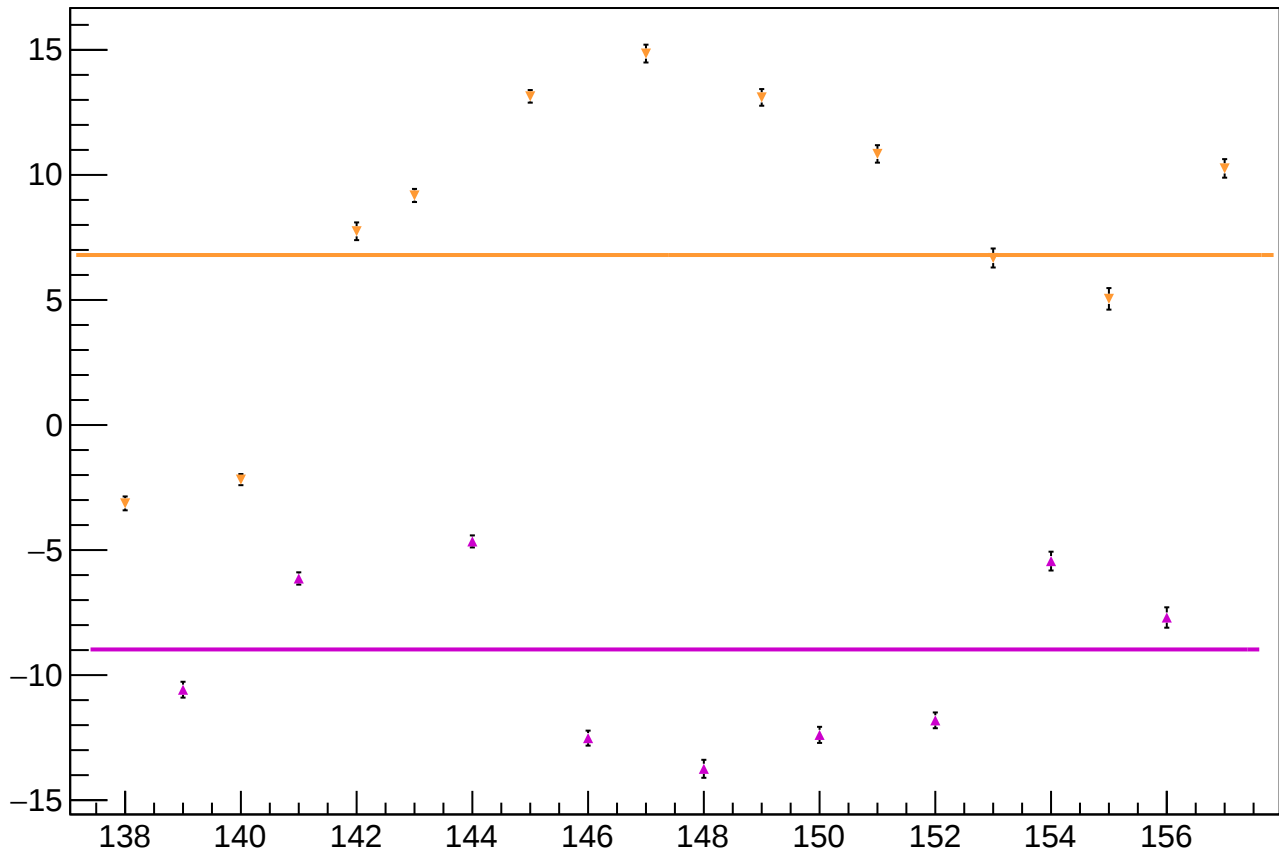
Left In: -0.402 ± 0.005 χ^2/NDF : 90.1/8

0.253 ± 0.004 χ^2/NDF : 11472.7/27

0.038 ± 0.003 χ^2/NDF : 28975.1/56

-0.188 ± 0.004 χ^2/NDF : 11676.7/28

reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 6.798 $\pm$ 0.093 χ^2 /NDF: 4733.4/10

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

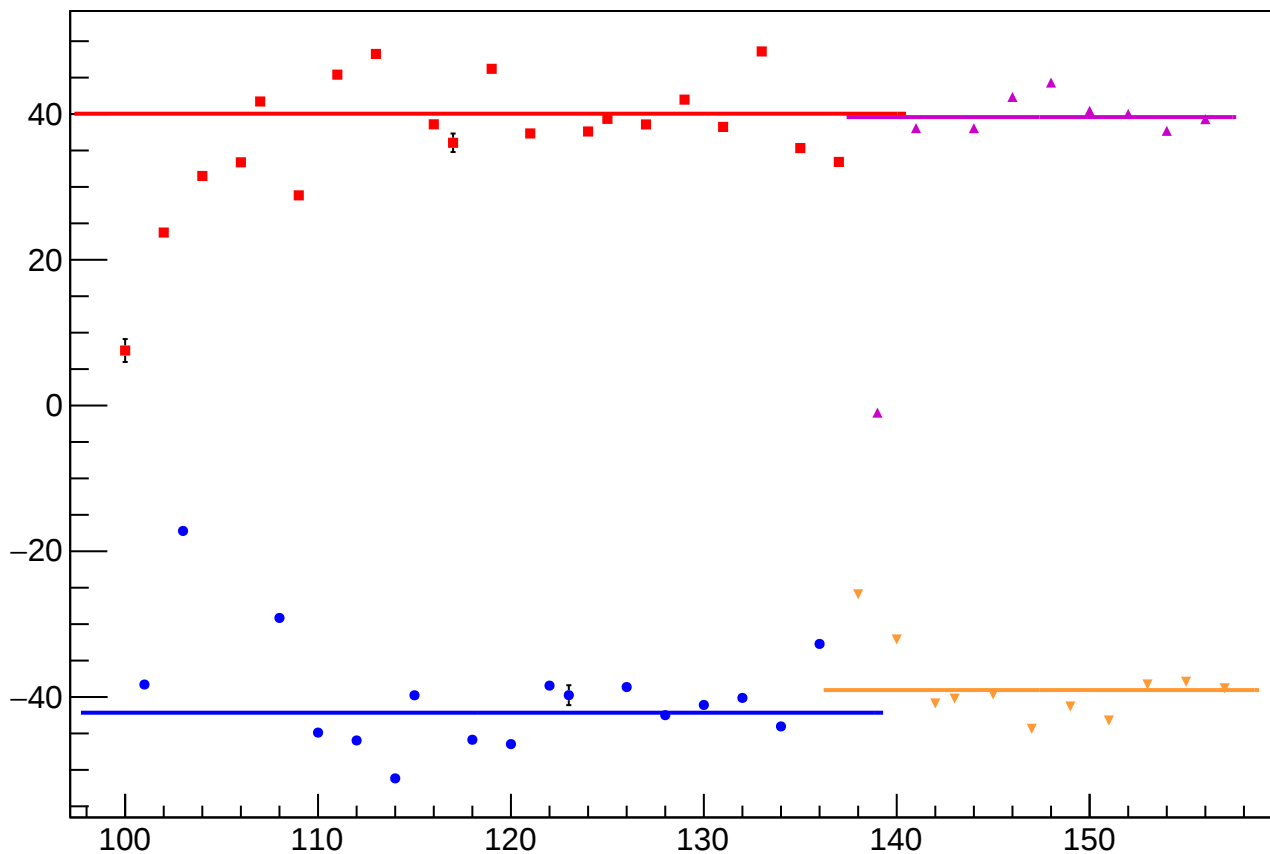
Left In: -8.974 $\pm$ 0.102 χ^2 /NDF: 1087.3/8

6.798 $\pm$ 0.093 χ^2 /NDF: 4733.4/10

-0.315 $\pm$ 0.069 χ^2 /NDF: 18834.9/19

-8.974 $\pm$ 0.102 χ^2 /NDF: 1087.3/8

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.153+/-0.078 χ^2/NDF : 6557.8/16

Left Out: -39.046+/-0.065 χ^2/NDF : 5497.4/10

Right Out: 40.049+/-0.073 χ^2/NDF : 11332.1/19

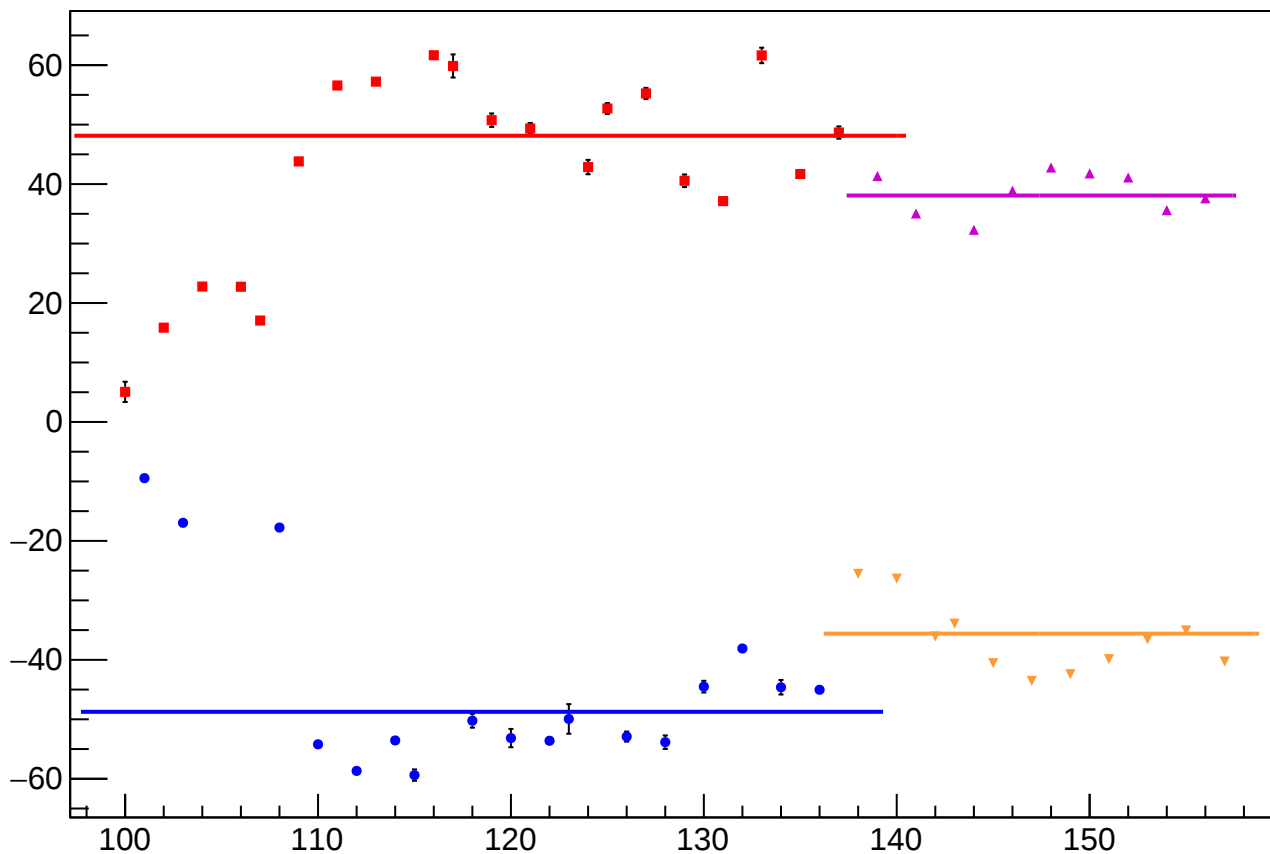
Left In: 39.581+/-0.071 χ^2/NDF : 6293.8/8

-40.312+/-0.050 χ^2/NDF : 12995.3/27

-1.064+/-0.036 χ^2/NDF : 1298904.9/56

39.810+/-0.051 χ^2/NDF : 17647.2/28

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.737 ± 0.125 χ^2/NDF : 14658.1/16

Left Out: -35.598 ± 0.094 χ^2/NDF : 4428.6/10

Right Out: 48.127 ± 0.107 χ^2/NDF : 11769.6/19

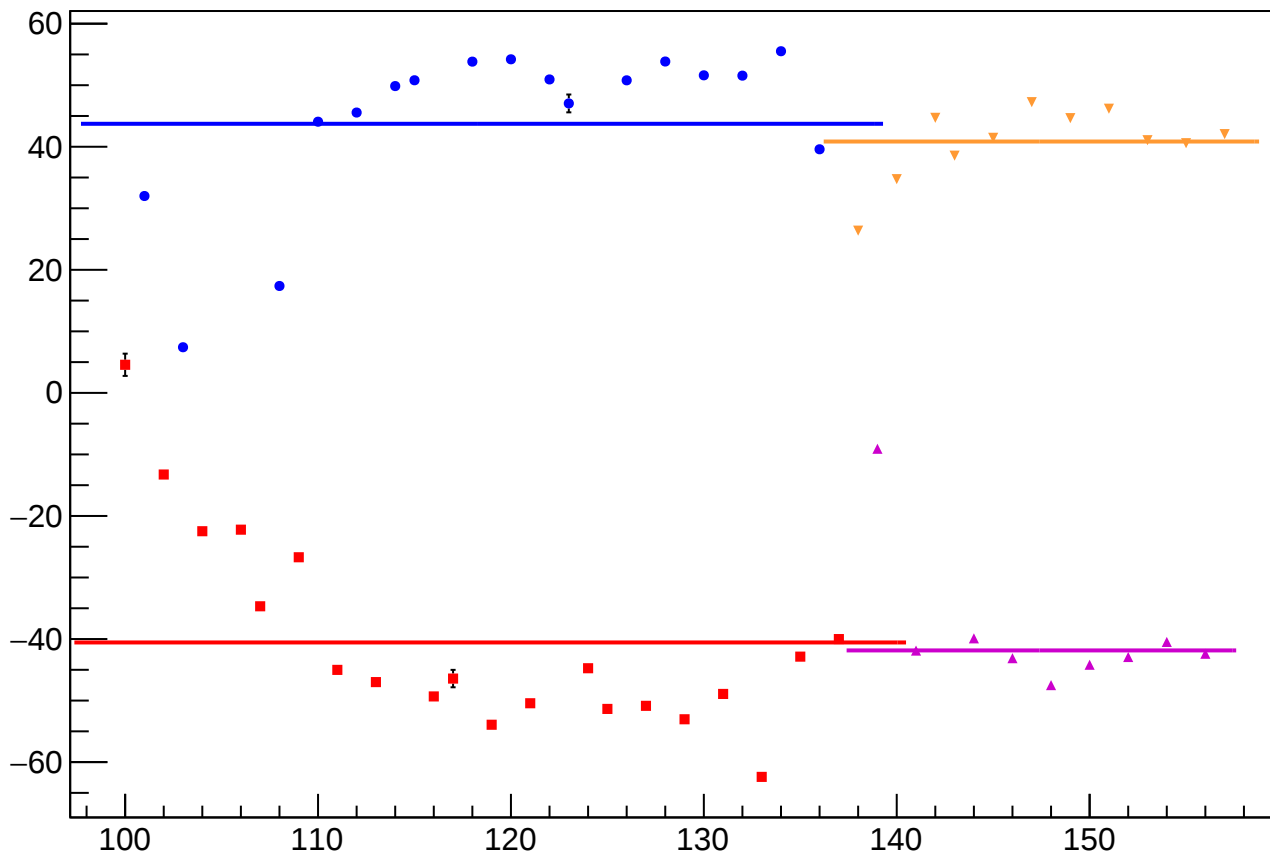
Left In: 38.073 ± 0.102 χ^2/NDF : 1230.9/8

-40.356 ± 0.075 χ^2/NDF : 26184.2/27

1.875 ± 0.053 χ^2/NDF : 669167.7/56

42.855 ± 0.074 χ^2/NDF : 17624.2/28

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.731 ± 0.087 χ^2/NDF : 10567.7/16

Left Out: 40.849 ± 0.079 χ^2/NDF : 4663.7/10

Right Out: -40.556 ± 0.080 χ^2/NDF : 17618.6/19

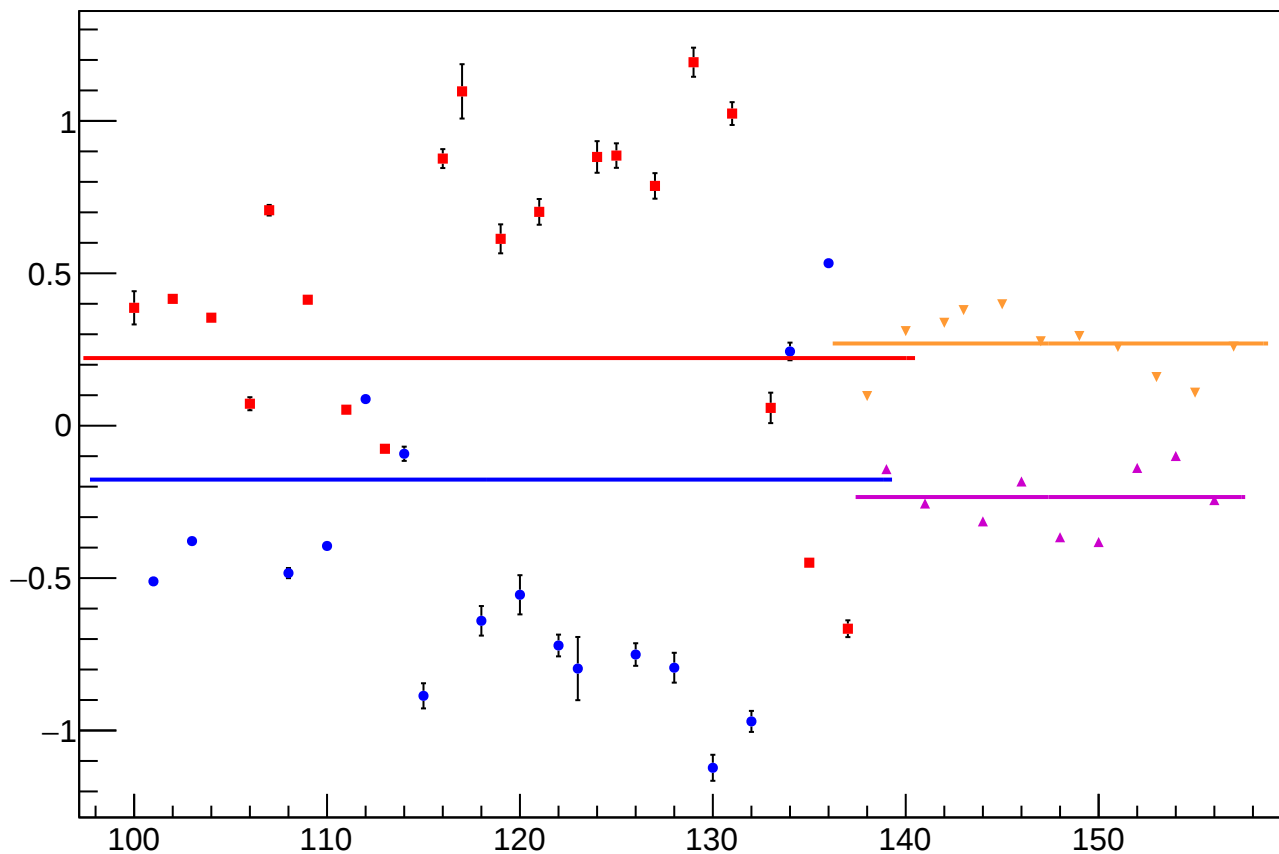
Left In: -41.850 ± 0.086 χ^2/NDF : 4389.0/8

42.145 ± 0.058 χ^2/NDF : 15837.4/27

0.791 ± 0.041 χ^2/NDF : 1053605.8/56

-41.156 ± 0.059 χ^2/NDF : 22128.6/28

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.177 ± 0.005 χ^2/NDF : 7364.7/16

Left Out: 0.270 ± 0.004 χ^2/NDF : 704.1/10

Right Out: 0.222 ± 0.004 χ^2/NDF : 7527.0/19

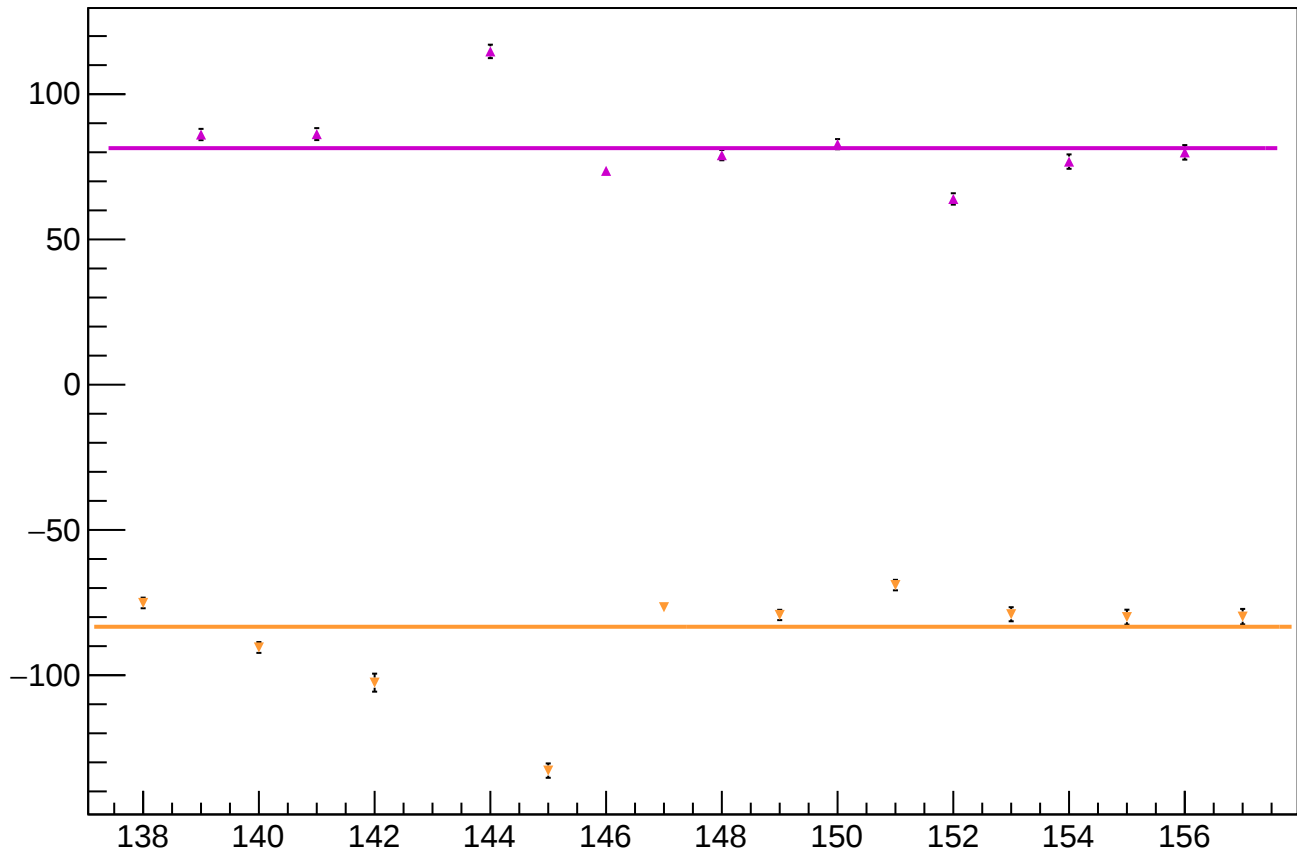
Left In: -0.234 ± 0.004 χ^2/NDF : 528.6/8

0.102 ± 0.003 χ^2/NDF : 13387.5/27

0.042 ± 0.002 χ^2/NDF : 28184.6/56

-0.018 ± 0.003 χ^2/NDF : 13975.0/28

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -83.325+/-0.662 χ^2/NDF : 563.2/9

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

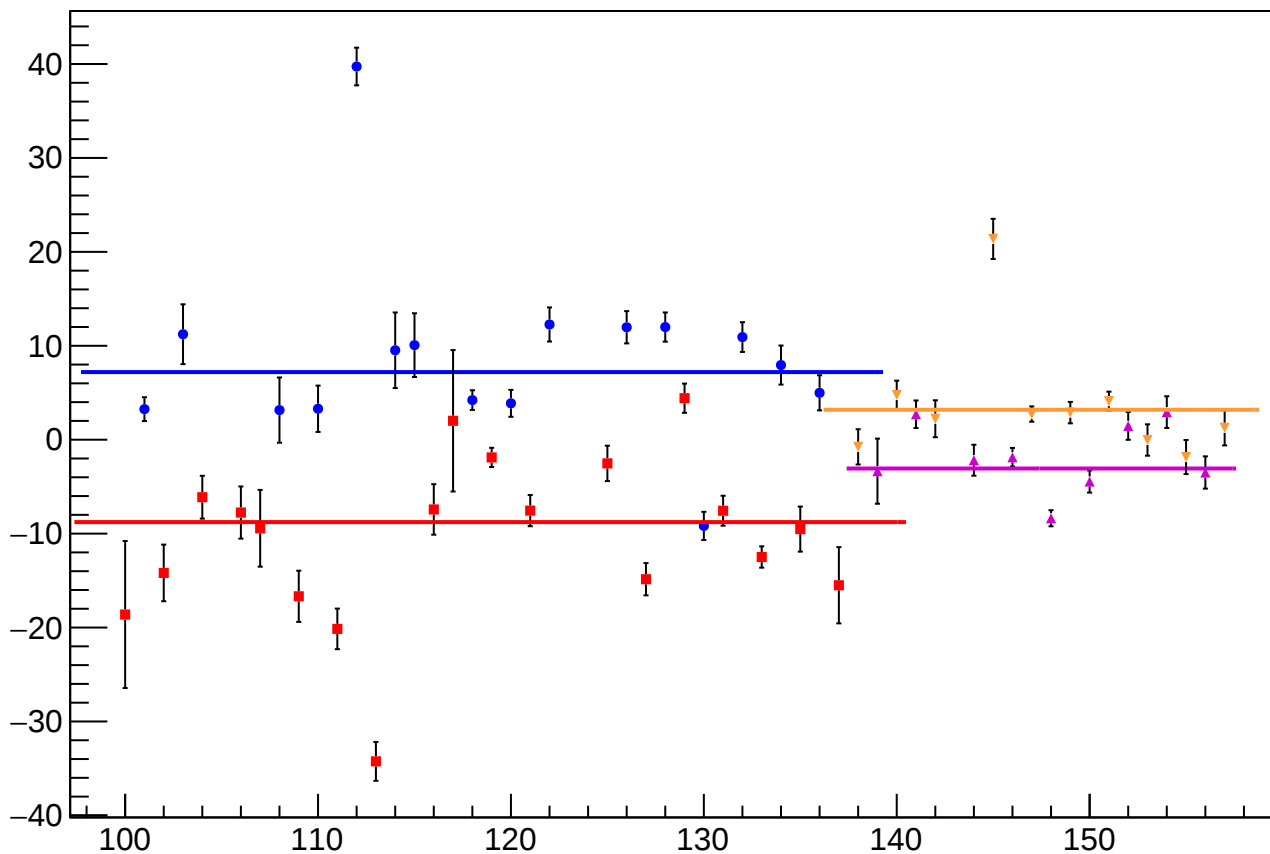
Left In: 81.423+/-0.664 χ^2/NDF : 325.0/8

-83.325+/-0.662 χ^2/NDF : 563.2/9

-1.198+/-0.469 χ^2/NDF : 31733.2/18

81.423+/-0.664 χ^2/NDF : 325.0/8

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.199 ± 0.440 χ^2/NDF : 443.8/15

Left Out: 3.191 ± 0.431 χ^2/NDF : 91.7/9

Right Out: -8.772 ± 0.447 χ^2/NDF : 351.7/18

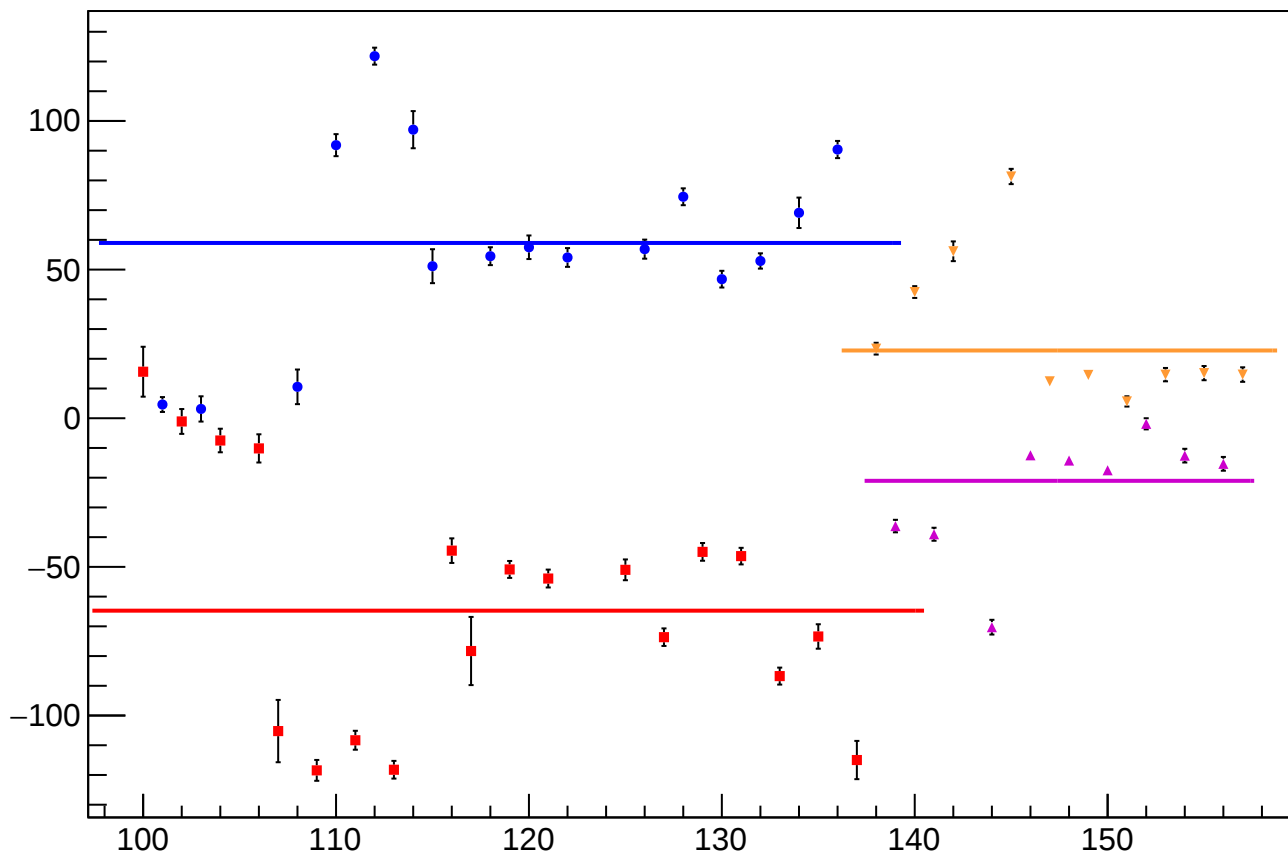
Left In: -3.066 ± 0.440 χ^2/NDF : 78.9/8

5.155 ± 0.308 χ^2/NDF : 577.9/25

-0.254 ± 0.220 χ^2/NDF : 1721.5/53

-5.875 ± 0.314 χ^2/NDF : 513.4/27

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: 22.792 $\pm$ 0.649 χ^2/NDF : 917.2/9

Right Out: -64.728 $\pm$ 0.838 χ^2/NDF : 1723.2/18

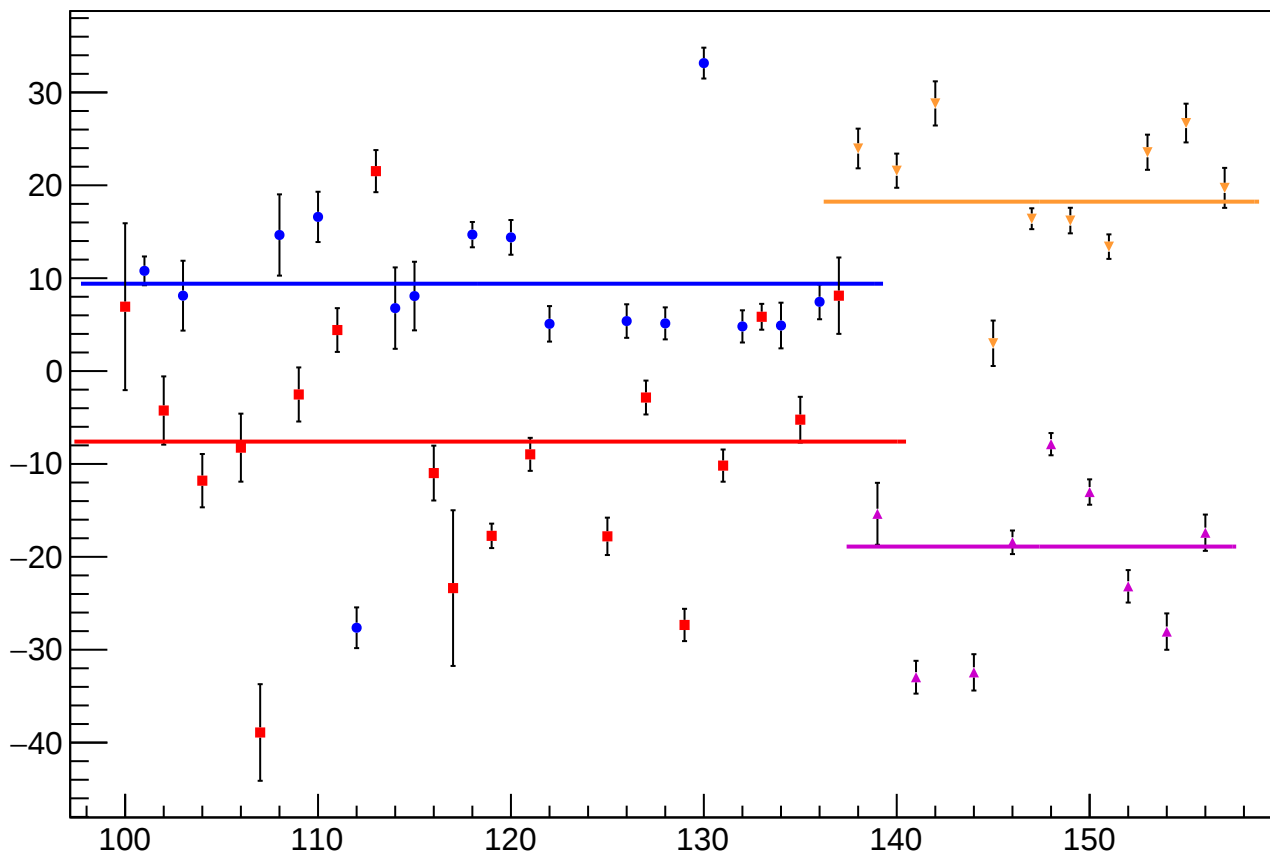
Left In: -21.053 $\pm$ 0.649 χ^2/NDF : 688.0/8

36.366 $\pm$ 0.513 χ^2/NDF : 3580.4/25

-0.511 $\pm$ 0.363 χ^2/NDF : 18042.3/53

-37.428 $\pm$ 0.513 χ^2/NDF : 4109.9/27

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.405 $\pm$ 0.507 χ^2/NDF : 549.5/15

Left Out: 18.239 $\pm$ 0.536 χ^2/NDF : 112.3/9

Right Out: -7.593 $\pm$ 0.514 χ^2/NDF : 573.4/18

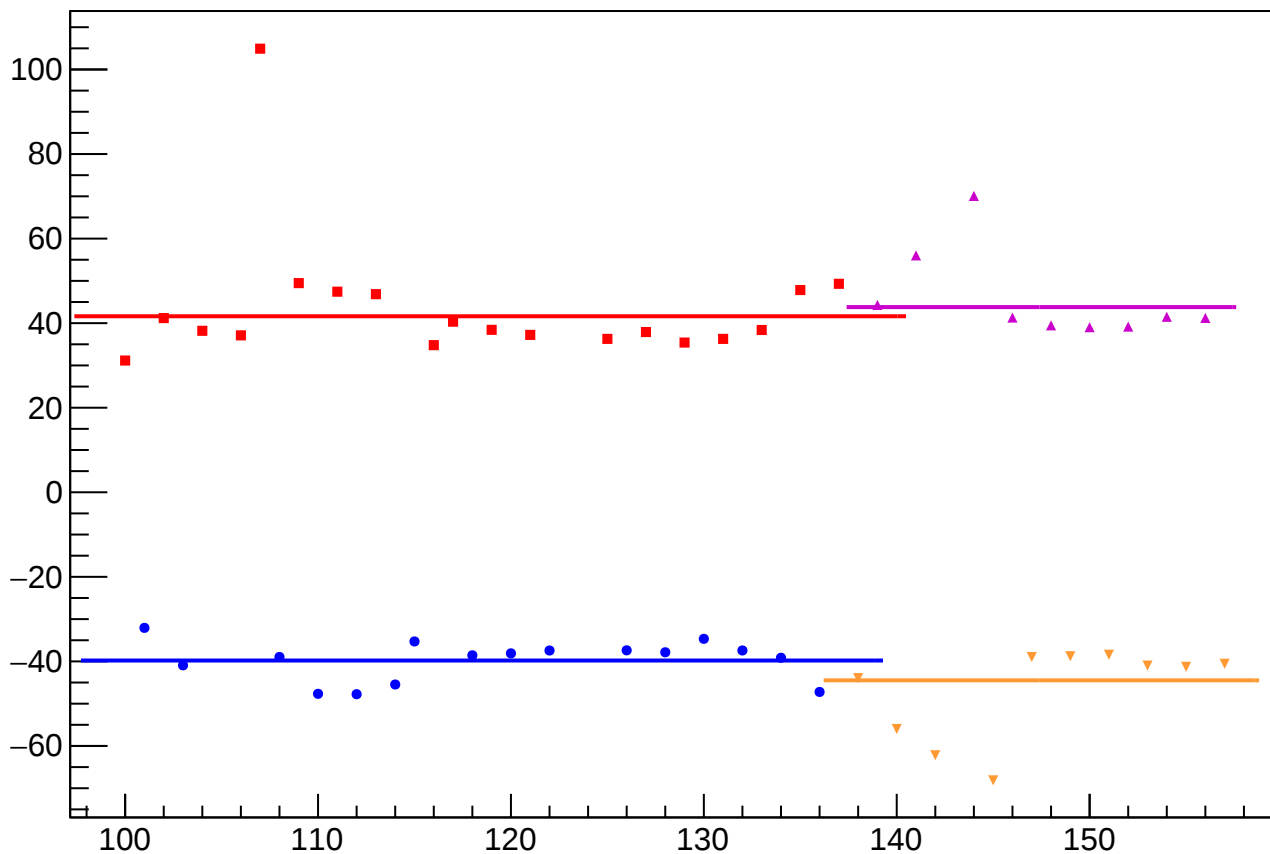
Left In: -18.895 $\pm$ 0.544 χ^2/NDF : 244.4/8

13.573 $\pm$ 0.368 χ^2/NDF : 805.2/25

0.517 $\pm$ 0.262 χ^2/NDF : 4401.1/53

-12.920 $\pm$ 0.374 χ^2/NDF : 1045.8/27

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.791 ± 0.031 χ^2/NDF : 26138.6/15

Left Out: -44.483 ± 0.026 χ^2/NDF : 113189.8/9

Right Out: 41.631 ± 0.031 χ^2/NDF : 94399.1/18

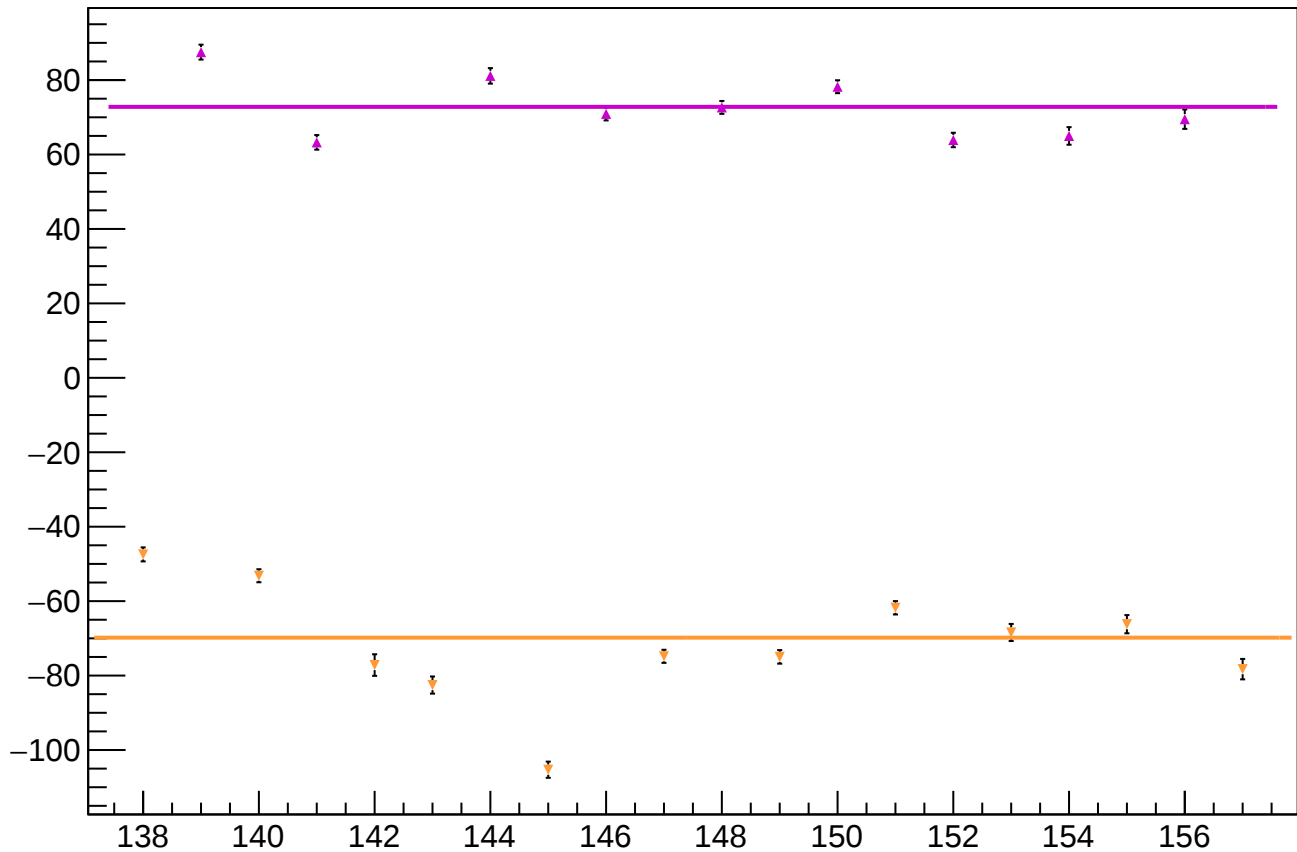
Left In: 43.799 ± 0.026 χ^2/NDF : 92803.4/8

-42.534 ± 0.020 χ^2/NDF : 152528.9/25

0.550 ± 0.014 χ^2/NDF : 9432963.9/53

42.909 ± 0.020 χ^2/NDF : 190057.7/27

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -69.815+/-0.626 χ^2/NDF : 582.5/10

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

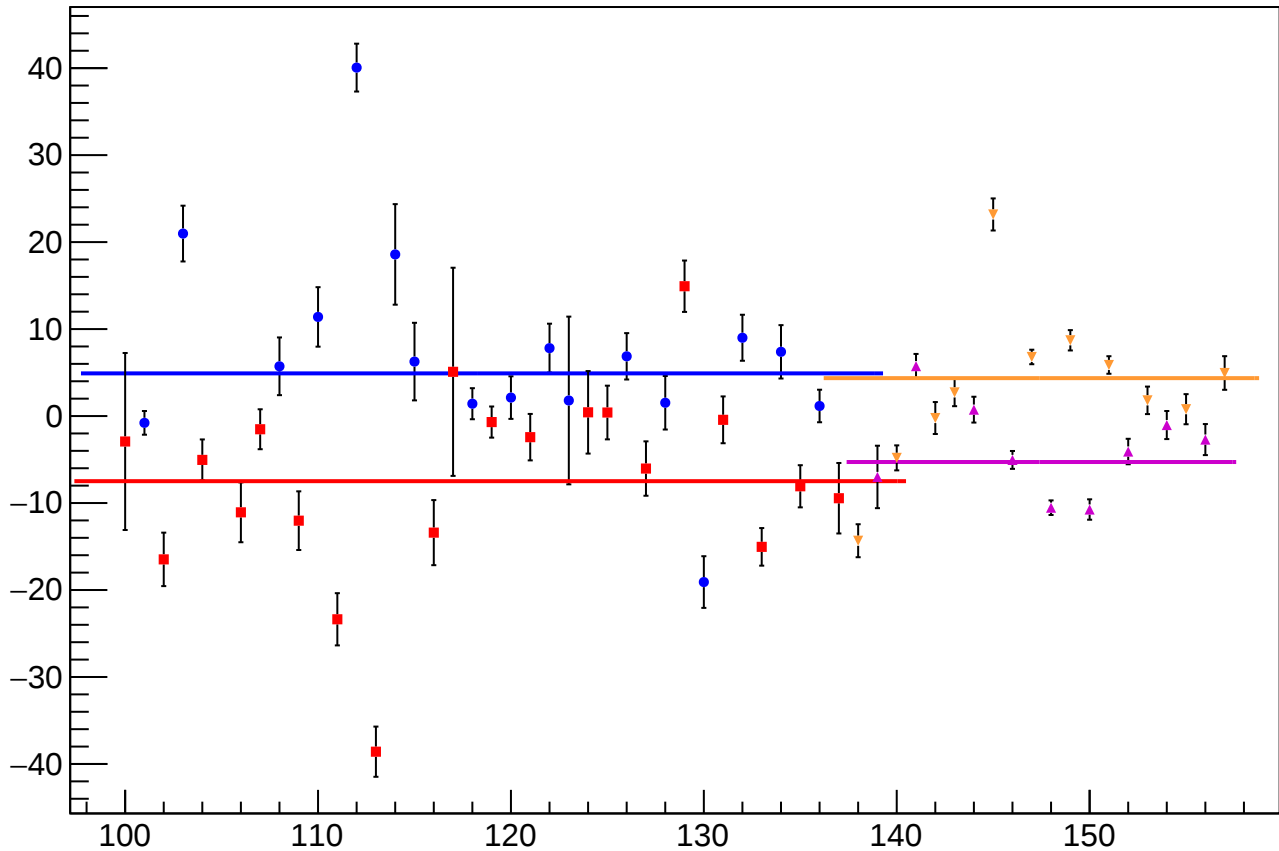
Left In: 72.807+/-0.657 χ^2/NDF : 137.7/8

-69.815+/-0.626 χ^2/NDF : 582.5/10

-1.940+/-0.453 χ^2/NDF : 25397.2/19

72.807+/-0.657 χ^2/NDF : 137.7/8

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.907 ± 0.628 χ^2/NDF : 295.4/16

Left Out: 4.359 ± 0.412 χ^2/NDF : 280.8/10

Right Out: -7.486 ± 0.650 χ^2/NDF : 271.7/19

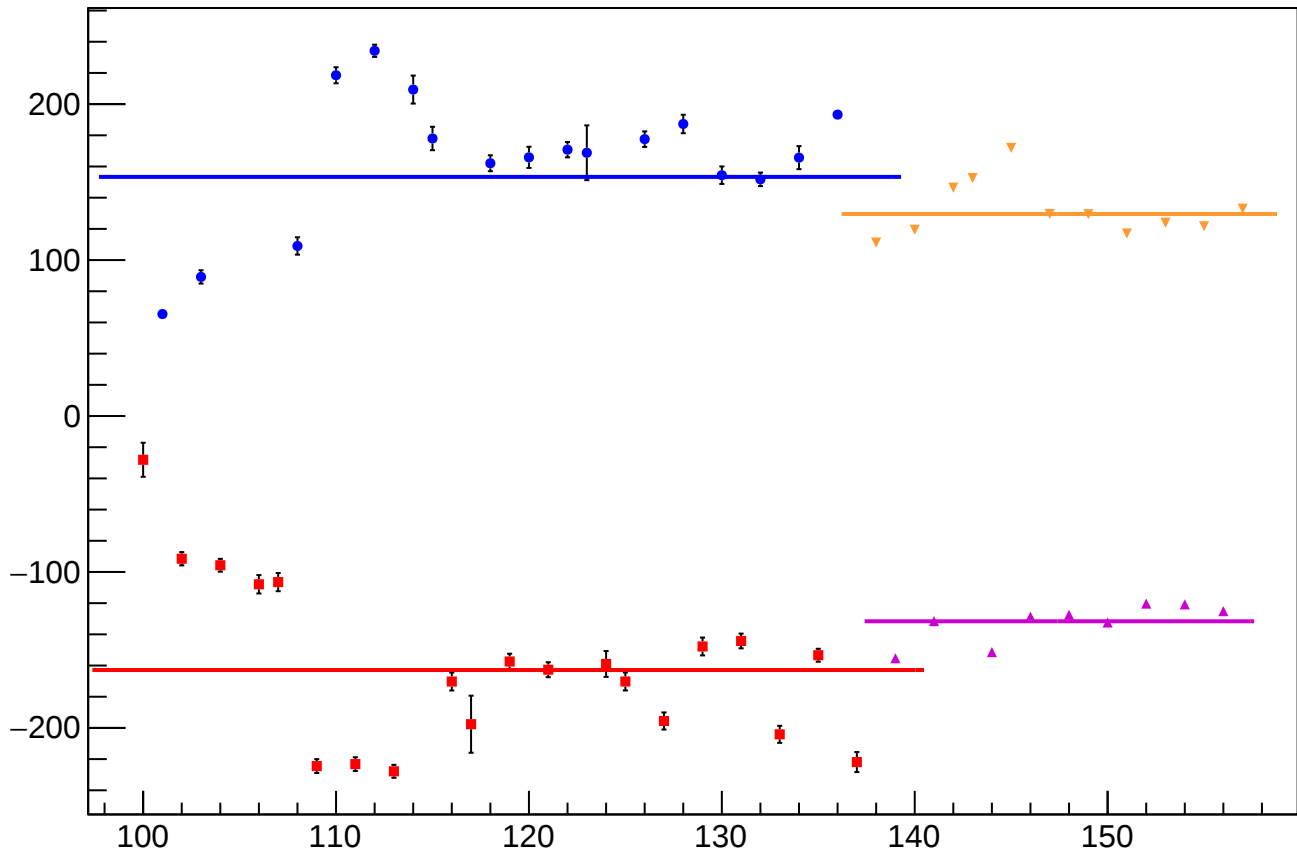
Left In: -5.284 ± 0.435 χ^2/NDF : 148.9/8

4.524 ± 0.344 χ^2/NDF : 576.8/27

-0.468 ± 0.249 χ^2/NDF : 1447.2/56

-5.965 ± 0.361 χ^2/NDF : 428.6/28

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 153.350 $\pm$ 1.150 χ^2/NDF : 2268.3/16

Left Out: 129.542 $\pm$ 0.619 χ^2/NDF : 649.8/10

Right Out: -162.878 $\pm$ 1.174 χ^2/NDF : 1712.4/19

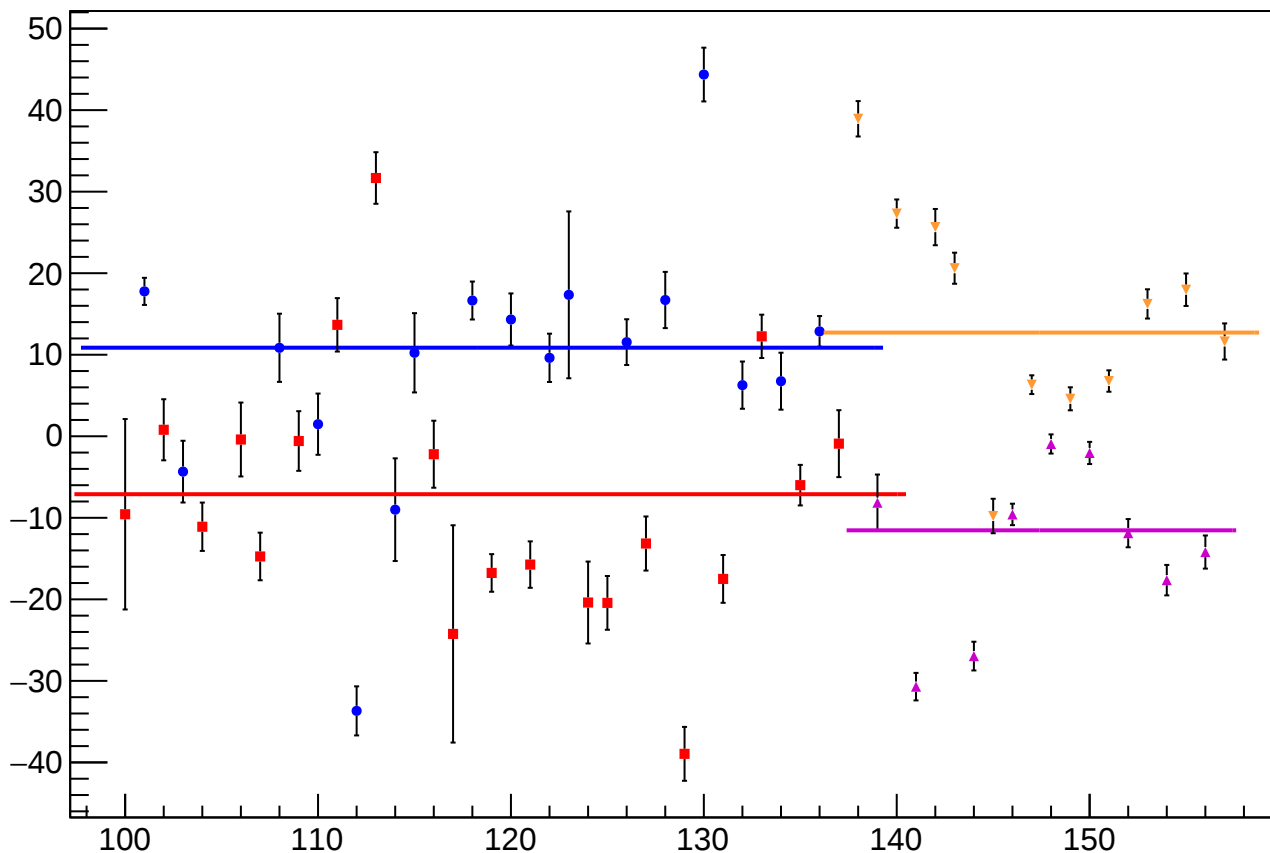
Left In: -131.619 $\pm$ 0.643 χ^2/NDF : 276.1/8

134.883 $\pm$ 0.545 χ^2/NDF : 3250.4/27

2.752 $\pm$ 0.392 χ^2/NDF : 127633.6/56

-138.826 $\pm$ 0.564 χ^2/NDF : 2533.5/28

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.864 ± 0.719 $\chi^2/\text{NDF}: 387.9/16$

Left Out: 12.720 ± 0.510 $\chi^2/\text{NDF}: 476.7/10$

Right Out: -7.106 ± 0.746 $\chi^2/\text{NDF}: 426.4/19$

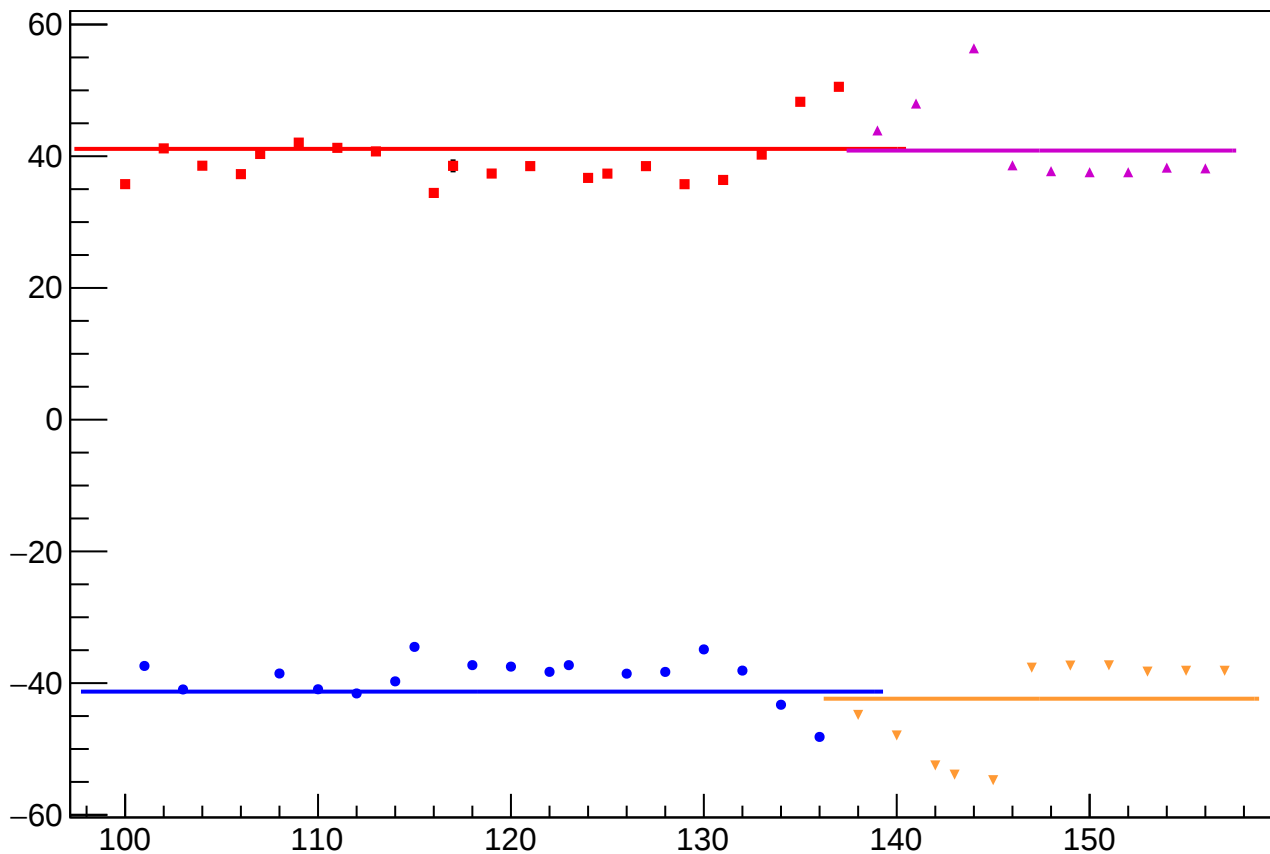
Left In: -11.535 ± 0.537 $\chi^2/\text{NDF}: 351.4/8$

12.100 ± 0.416 $\chi^2/\text{NDF}: 869.0/27$

1.564 ± 0.301 $\chi^2/\text{NDF}: 3018.0/56$

-10.023 ± 0.436 $\chi^2/\text{NDF}: 801.0/28$

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.289 ± 0.039 $\chi^2/\text{NDF}: 12509.1/16$

Left Out: -42.366 ± 0.025 $\chi^2/\text{NDF}: 66123.9/10$

Right Out: 41.115 ± 0.039 $\chi^2/\text{NDF}: 12120.1/19$

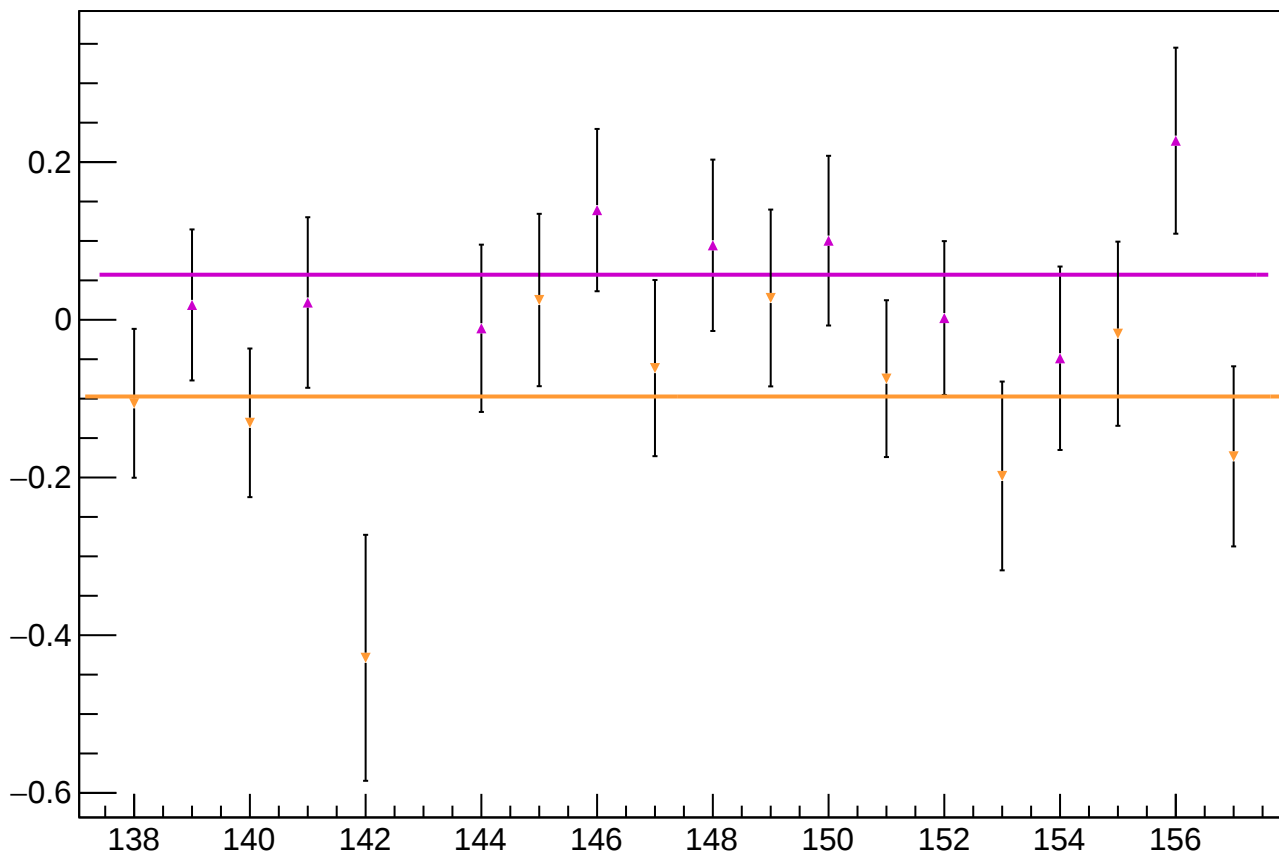
Left In: 40.859 ± 0.026 $\chi^2/\text{NDF}: 43391.9/8$

-42.047 ± 0.021 $\chi^2/\text{NDF}: 79181.4/27$

-1.413 ± 0.015 $\chi^2/\text{NDF}: 7775007.8/56$

40.938 ± 0.021 $\chi^2/\text{NDF}: 55542.2/28$

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.097+/-0.035 χ^2/NDF : 8.9/9

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

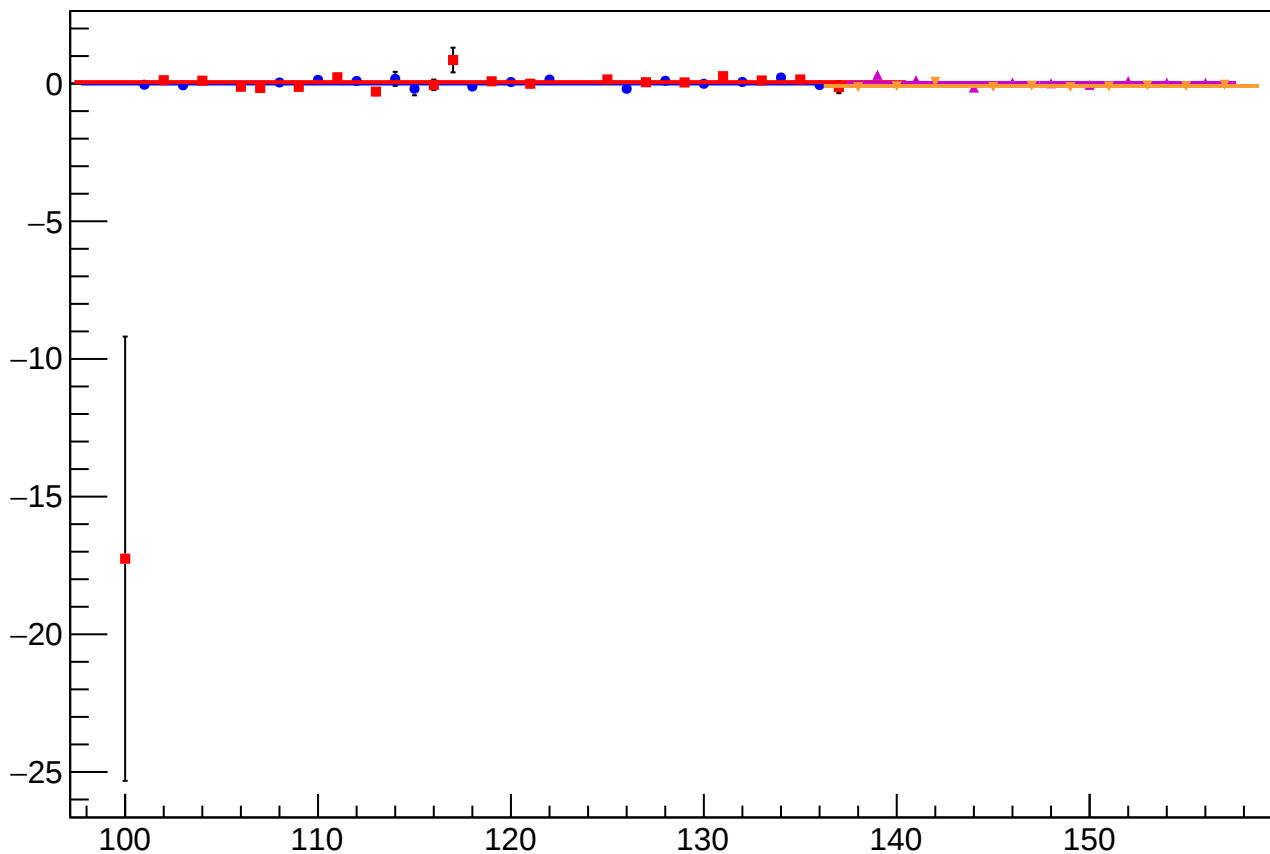
Left In: 0.057+/-0.035 χ^2/NDF : 4.8/8

-0.097+/-0.035 χ^2/NDF : 8.9/9

-0.021+/-0.025 χ^2/NDF : 23.4/18

0.057+/-0.035 χ^2/NDF : 4.8/8

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.003 ± 0.029 χ^2/NDF : 12.4/15

Left Out: -0.086 ± 0.024 χ^2/NDF : 3.5/9

Right Out: 0.053 ± 0.029 χ^2/NDF : 28.8/18

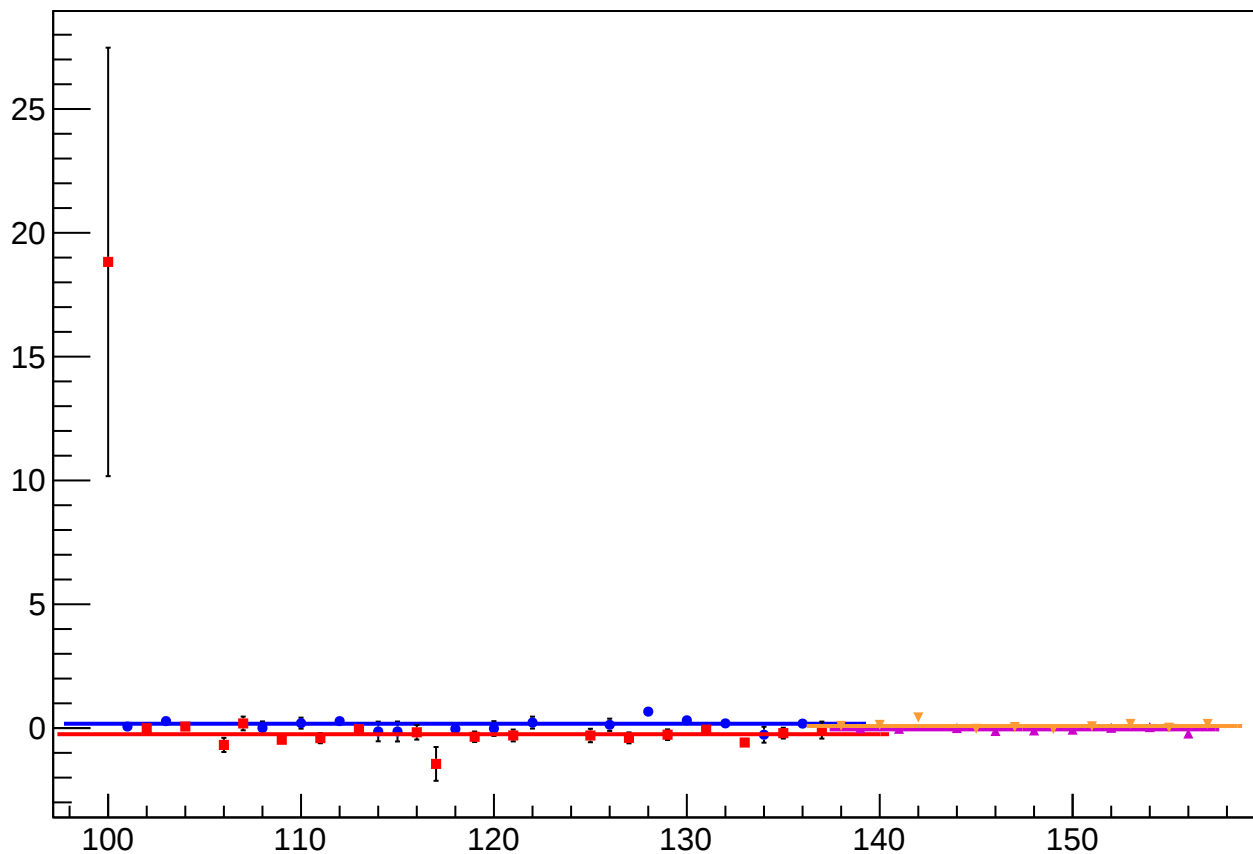
Left In: 0.023 ± 0.024 χ^2/NDF : 11.5/8

-0.049 ± 0.018 χ^2/NDF : 21.7/25

-0.008 ± 0.013 χ^2/NDF : 73.2/53

0.036 ± 0.019 χ^2/NDF : 40.9/27

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.176 ± 0.053 χ^2/NDF : 13.0/15

Left Out: 0.085 ± 0.034 χ^2/NDF : 8.7/9

Right Out: -0.247 ± 0.054 χ^2/NDF : 24.7/18

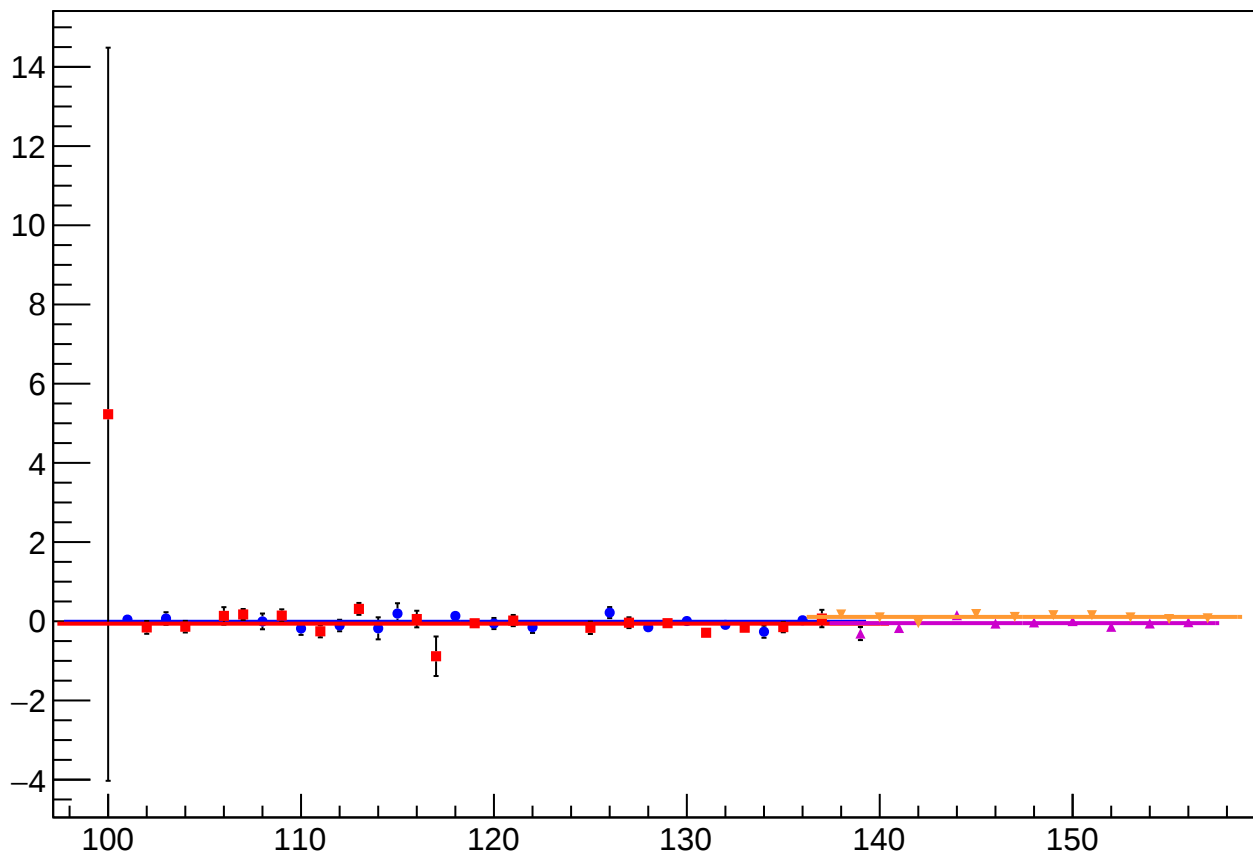
Left In: -0.051 ± 0.035 χ^2/NDF : 4.6/8

0.112 ± 0.029 χ^2/NDF : 23.8/25

0.003 ± 0.020 χ^2/NDF : 91.7/53

-0.109 ± 0.029 χ^2/NDF : 38.7/27

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.110 ± 0.029 χ^2/NDF : 3.6/9

Right Out: -0.061 ± 0.034 χ^2/NDF : 23.1/18

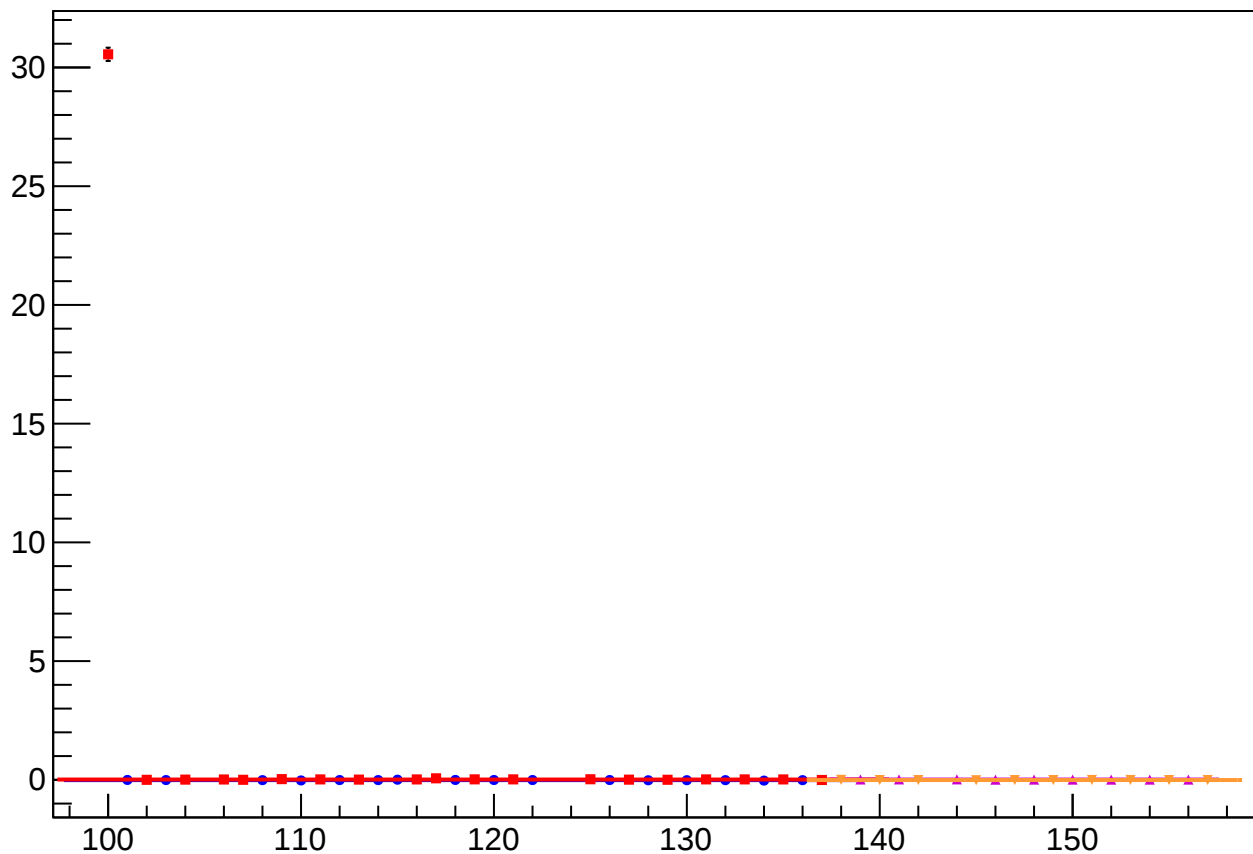
Left In: -0.047 ± 0.030 χ^2/NDF : 10.9/8

0.056 ± 0.022 χ^2/NDF : 25.2/25

0.003 ± 0.016 χ^2/NDF : 71.6/53

-0.053 ± 0.022 χ^2/NDF : 34.1/27

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 ± 0.002 χ^2/NDF : 12.8/15

Left Out: -0.009 ± 0.001 χ^2/NDF : 8.2/9

Right Out: 0.012 ± 0.002 χ^2/NDF : 11894.0/18

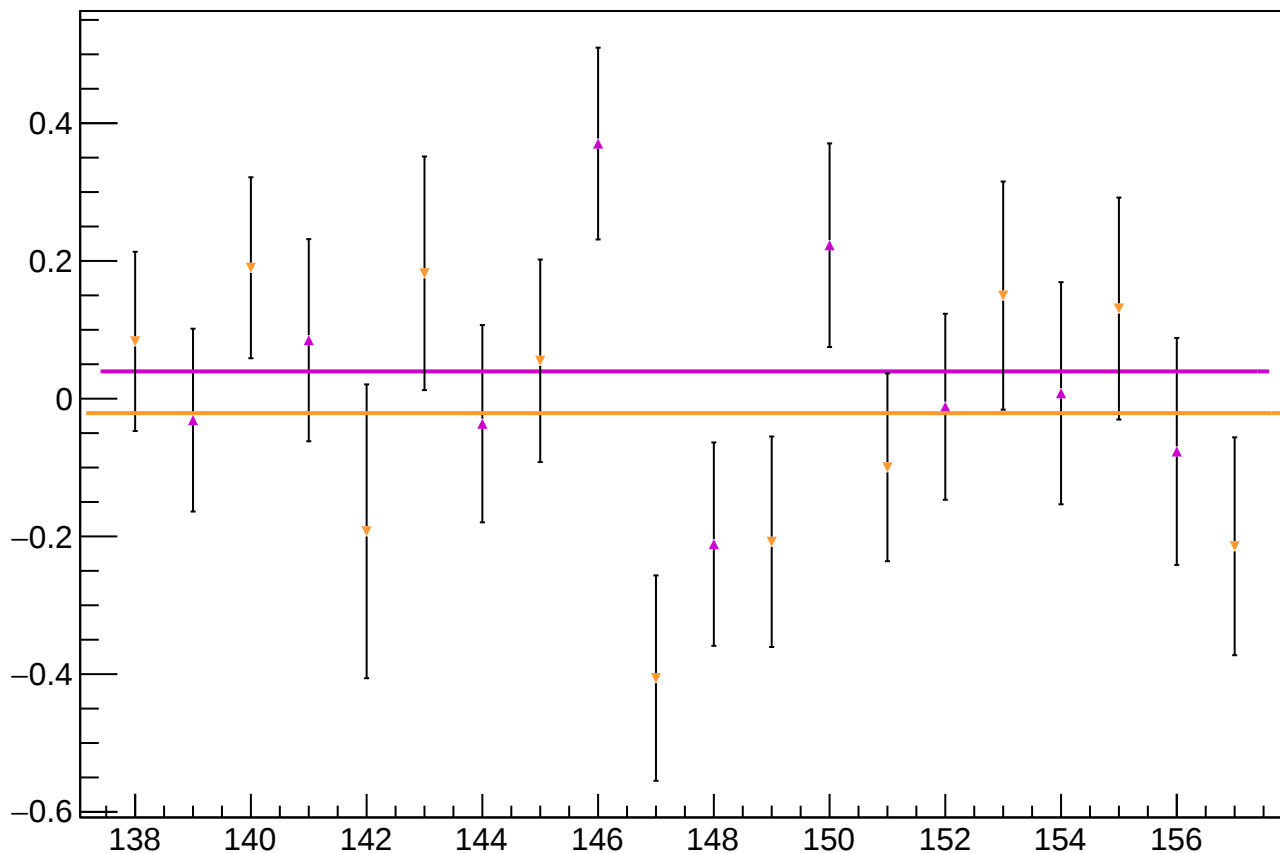
Left In: 0.011 ± 0.001 χ^2/NDF : 8.3/8

-0.010 ± 0.001 χ^2/NDF : 22.9/25

0.001 ± 0.001 χ^2/NDF : 12124.8/53

0.012 ± 0.001 χ^2/NDF : 11902.5/27

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.021+/-0.046 χ^2/NDF : 17.5/10

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

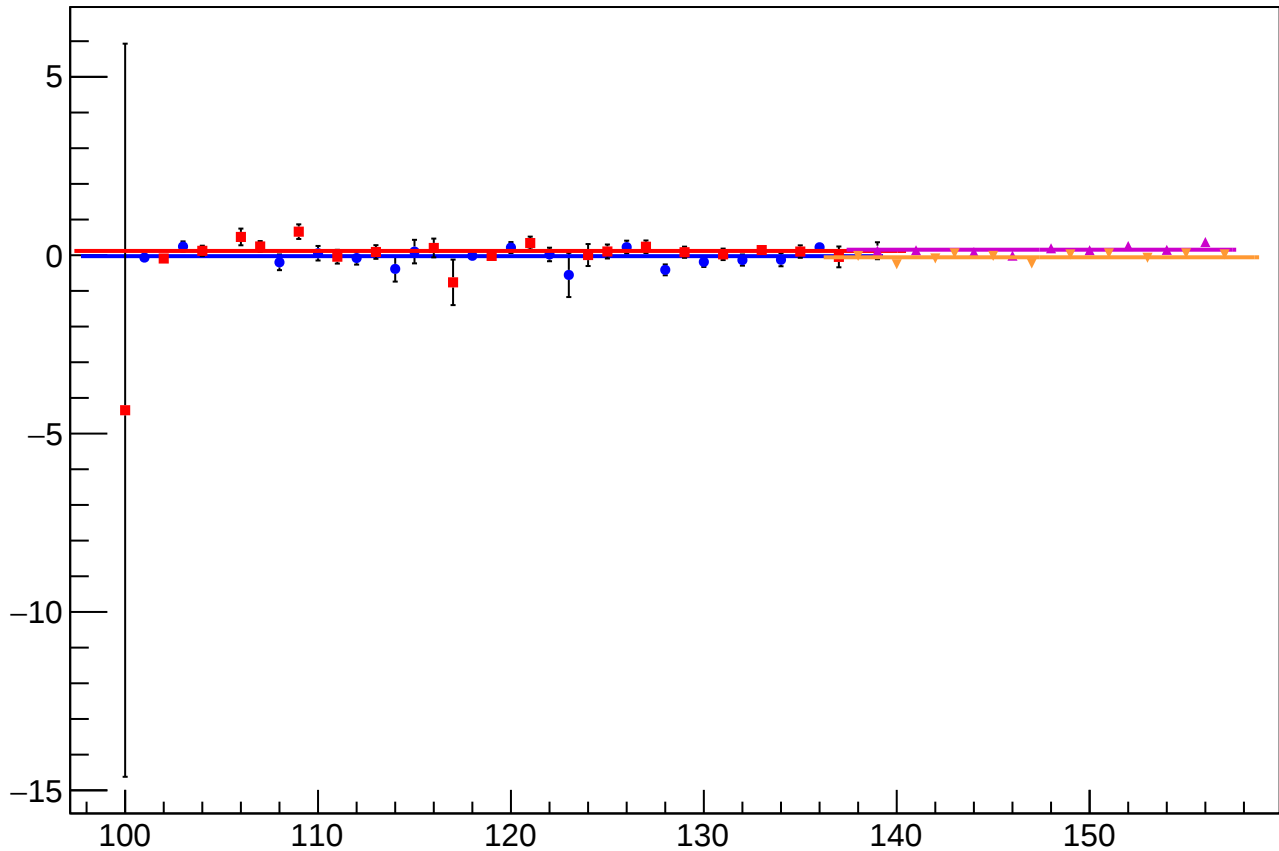
Left In: 0.040+/-0.048 χ^2/NDF : 11.4/8

-0.021+/-0.046 χ^2/NDF : 17.5/10

0.008+/-0.033 χ^2/NDF : 29.7/19

0.040+/-0.048 χ^2/NDF : 11.4/8

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.026 ± 0.037 χ^2/NDF : 22.7/16

Left Out: -0.058 ± 0.031 χ^2/NDF : 14.7/10

Right Out: 0.120 ± 0.039 χ^2/NDF : 20.2/19

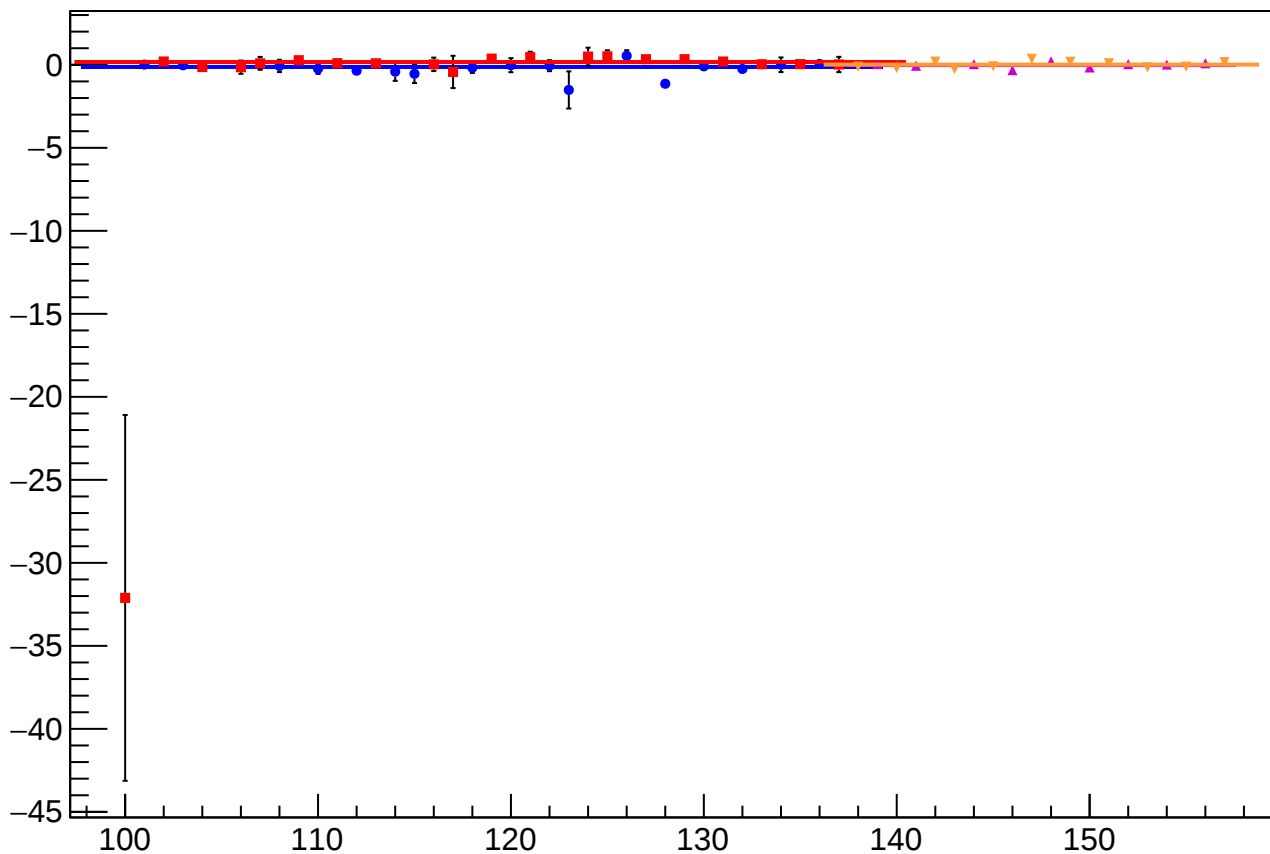
Left In: 0.155 ± 0.033 χ^2/NDF : 9.5/8

-0.045 ± 0.024 χ^2/NDF : 37.8/27

0.042 ± 0.017 χ^2/NDF : 96.2/56

0.140 ± 0.025 χ^2/NDF : 30.2/28

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.129 ± 0.067 χ^2/NDF : 23.1/16

Left Out: 0.013 ± 0.045 χ^2/NDF : 17.2/10

Right Out: 0.169 ± 0.071 χ^2/NDF : 15.3/19

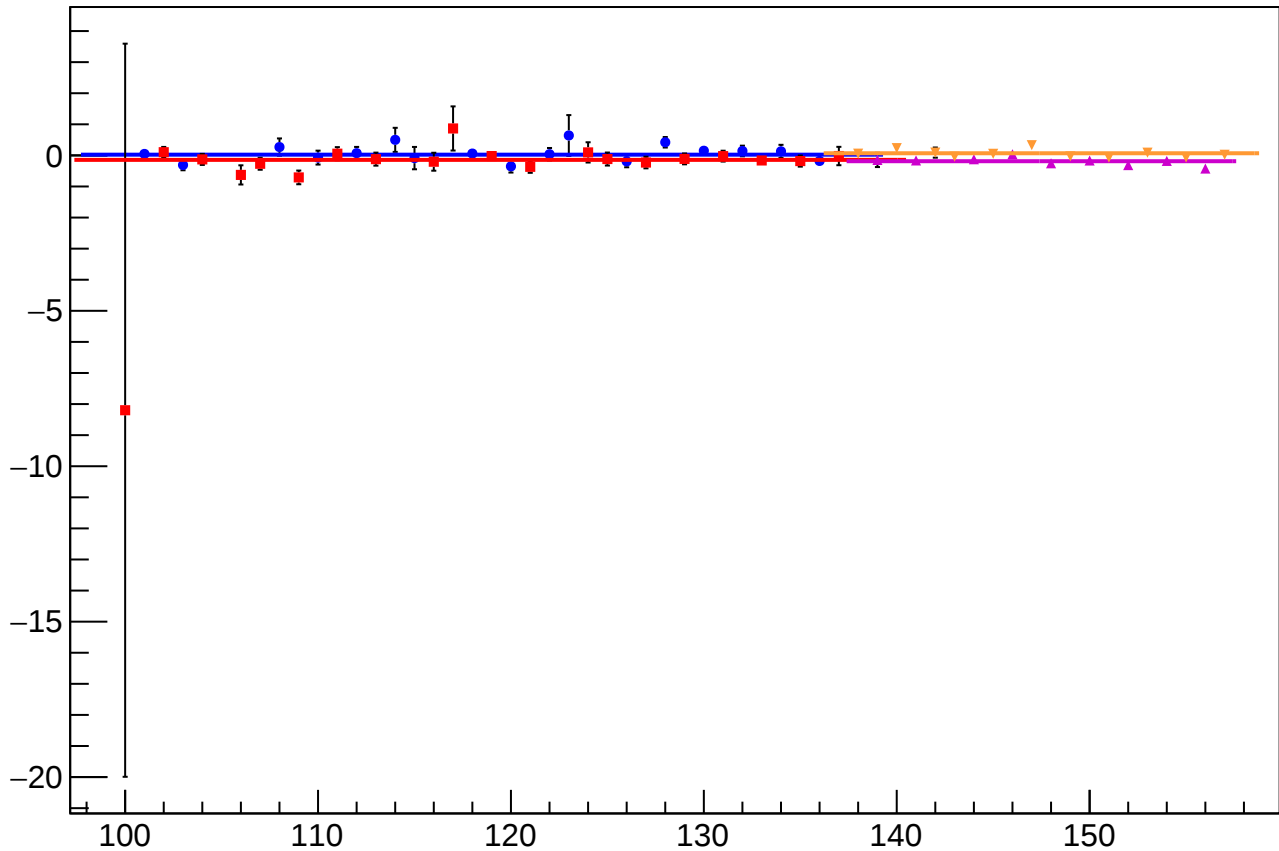
Left In: -0.016 ± 0.048 χ^2/NDF : 10.1/8

-0.031 ± 0.038 χ^2/NDF : 43.4/27

0.003 ± 0.027 χ^2/NDF : 75.3/56

0.042 ± 0.040 χ^2/NDF : 30.1/28

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.023 ± 0.043 χ^2/NDF : 21.3/16

Left Out: 0.069 ± 0.038 χ^2/NDF : 13.3/10

Right Out: -0.144 ± 0.045 χ^2/NDF : 18.6/19

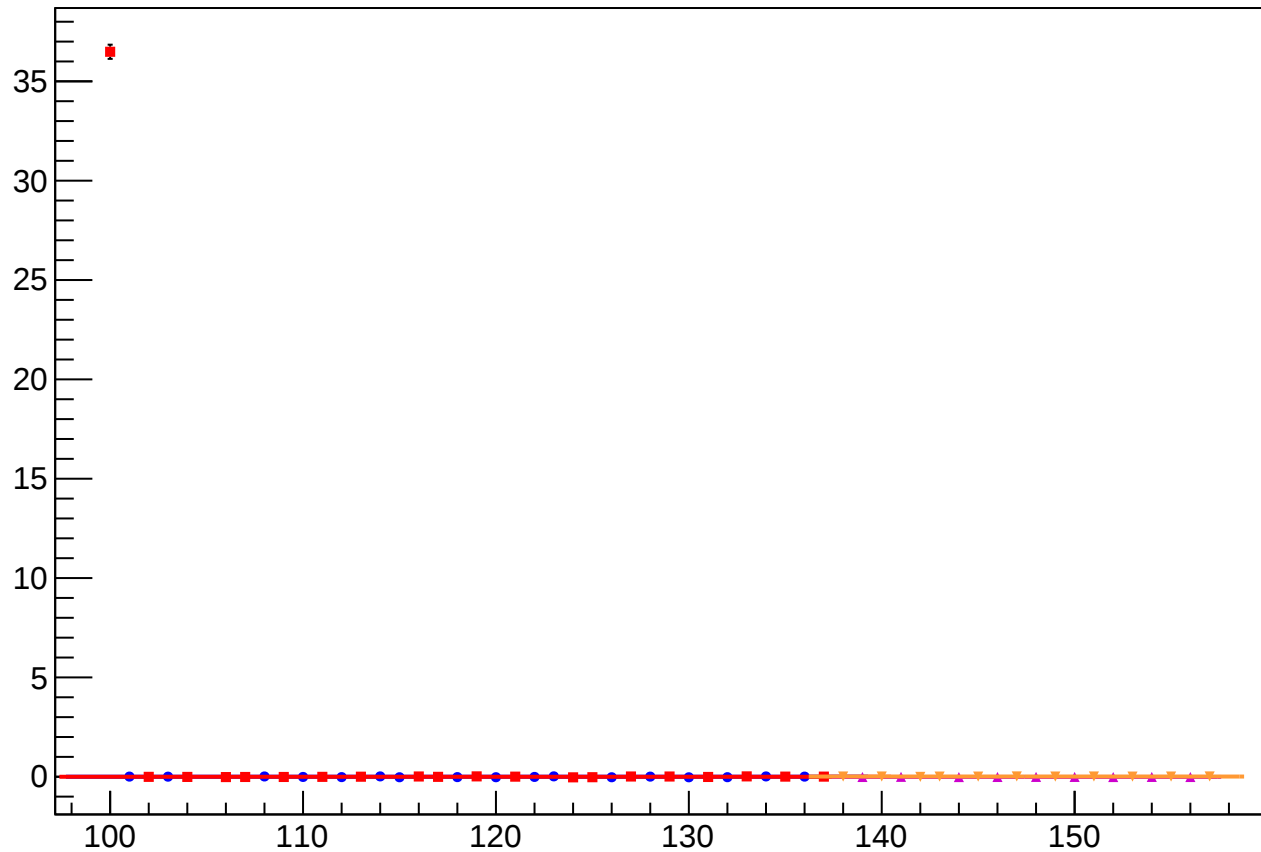
Left In: -0.187 ± 0.041 χ^2/NDF : 9.8/8

0.049 ± 0.028 χ^2/NDF : 35.2/27

-0.053 ± 0.021 χ^2/NDF : 91.3/56

-0.168 ± 0.030 χ^2/NDF : 28.9/28

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 30.6/16

Left Out: 0.011 $\pm$ 0.002 χ^2 /NDF: 5.4/10

Right Out: -0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/19

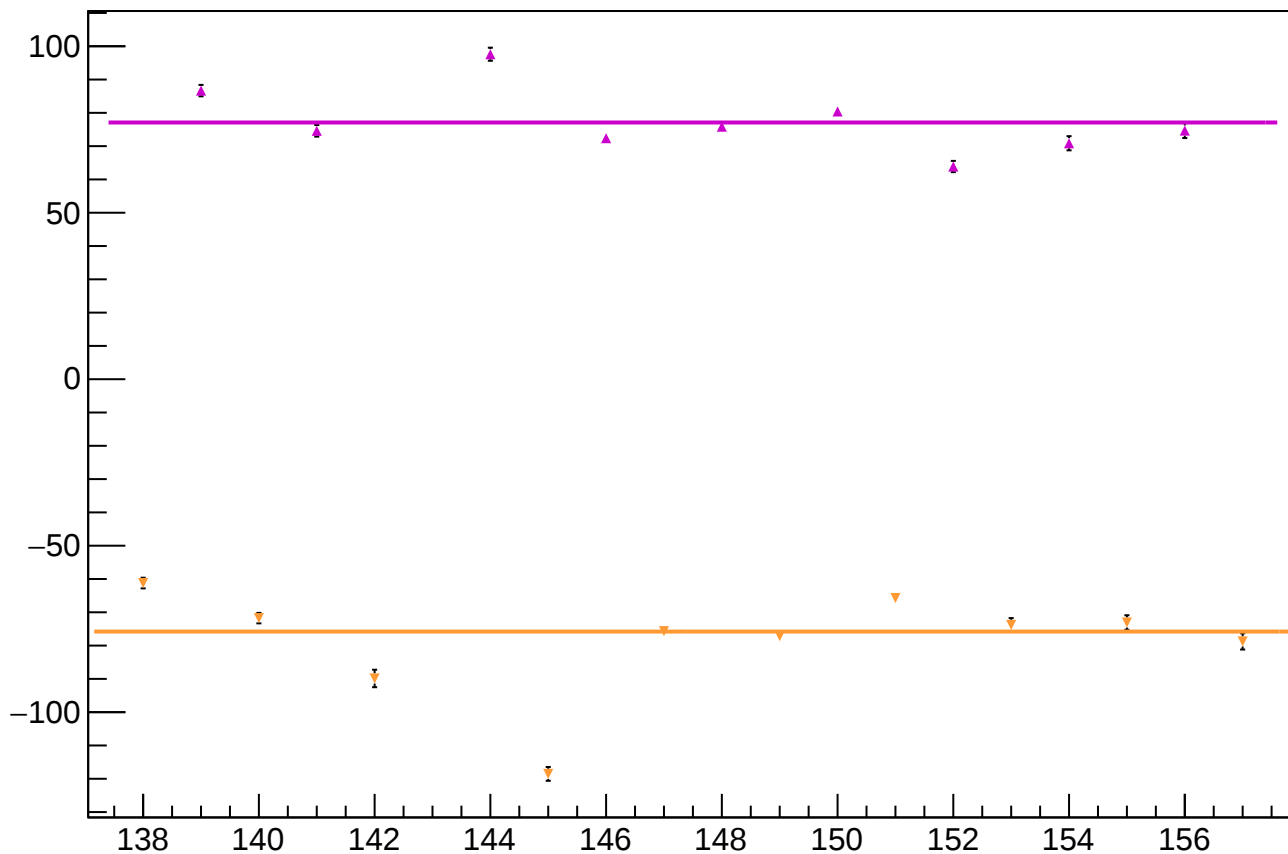
Left In: -0.010 $\pm$ 0.002 χ^2 /NDF: 3.0/8

0.007 $\pm$ 0.001 χ^2 /NDF: 46.3/27

0.000 $\pm$ 0.001 χ^2 /NDF: 10553.2/56

-0.007 $\pm$ 0.001 χ^2 /NDF: 10462.1/28

reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -75.792+/-0.555 χ^2/NDF : 594.3/9

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

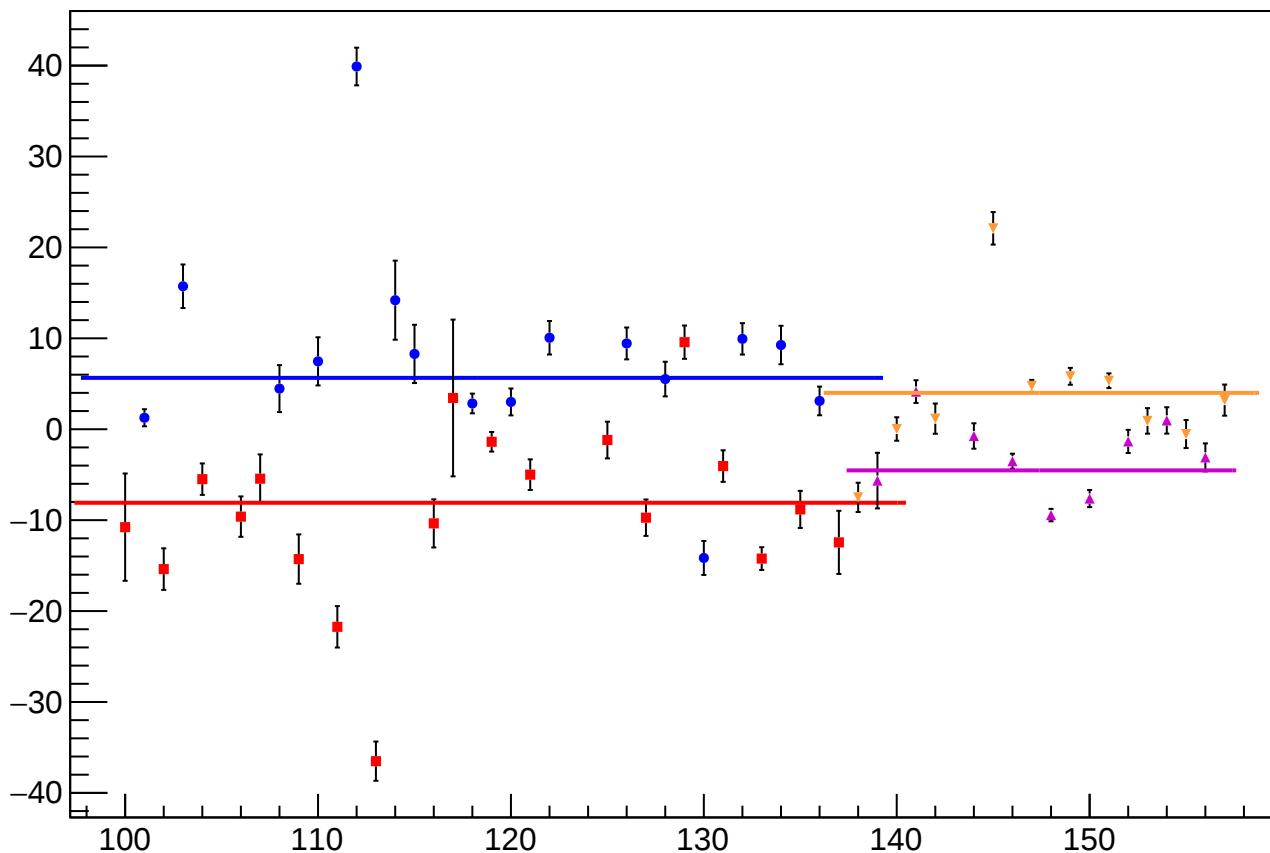
Left In: 77.101+/-0.559 χ^2/NDF : 230.5/8

-75.792+/-0.555 χ^2/NDF : 594.3/9

0.117+/-0.394 χ^2/NDF : 38550.2/18

77.101+/-0.559 χ^2/NDF : 230.5/8

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.651 ± 0.429 χ^2/NDF : 461.9/15

Left Out: 3.999 ± 0.355 χ^2/NDF : 187.4/9

Right Out: -8.087 ± 0.452 χ^2/NDF : 409.7/18

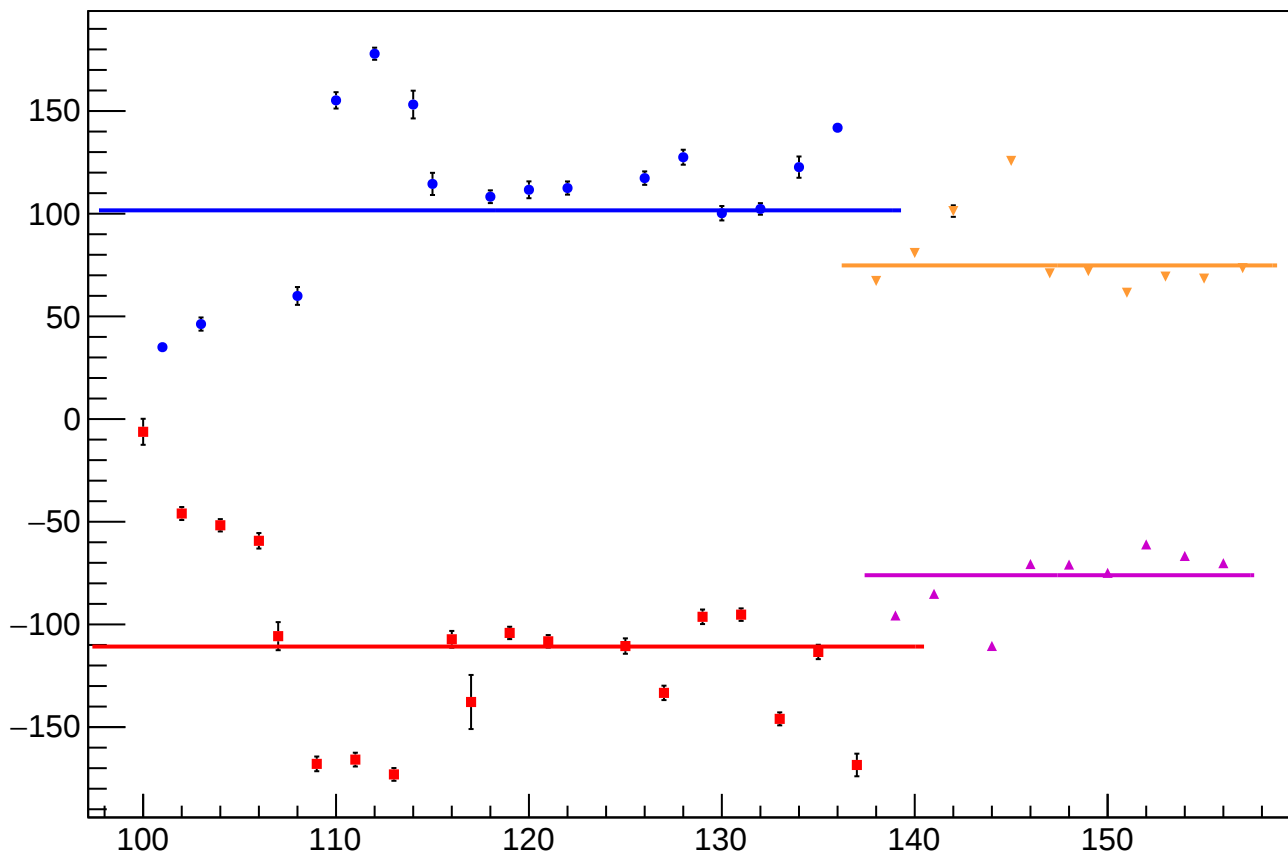
Left In: -4.526 ± 0.365 χ^2/NDF : 141.4/8

4.671 ± 0.274 χ^2/NDF : 658.1/25

-0.436 ± 0.197 χ^2/NDF : 1969.6/53

-5.931 ± 0.284 χ^2/NDF : 588.6/27

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 101.630 $\pm$ 0.812 χ^2 /NDF: 2980.2/15

Left Out: 74.818 $\pm$ 0.542 χ^2 /NDF: 801.2/9

Right Out: -110.778 $\pm$ 0.834 χ^2 /NDF: 2518.3/18

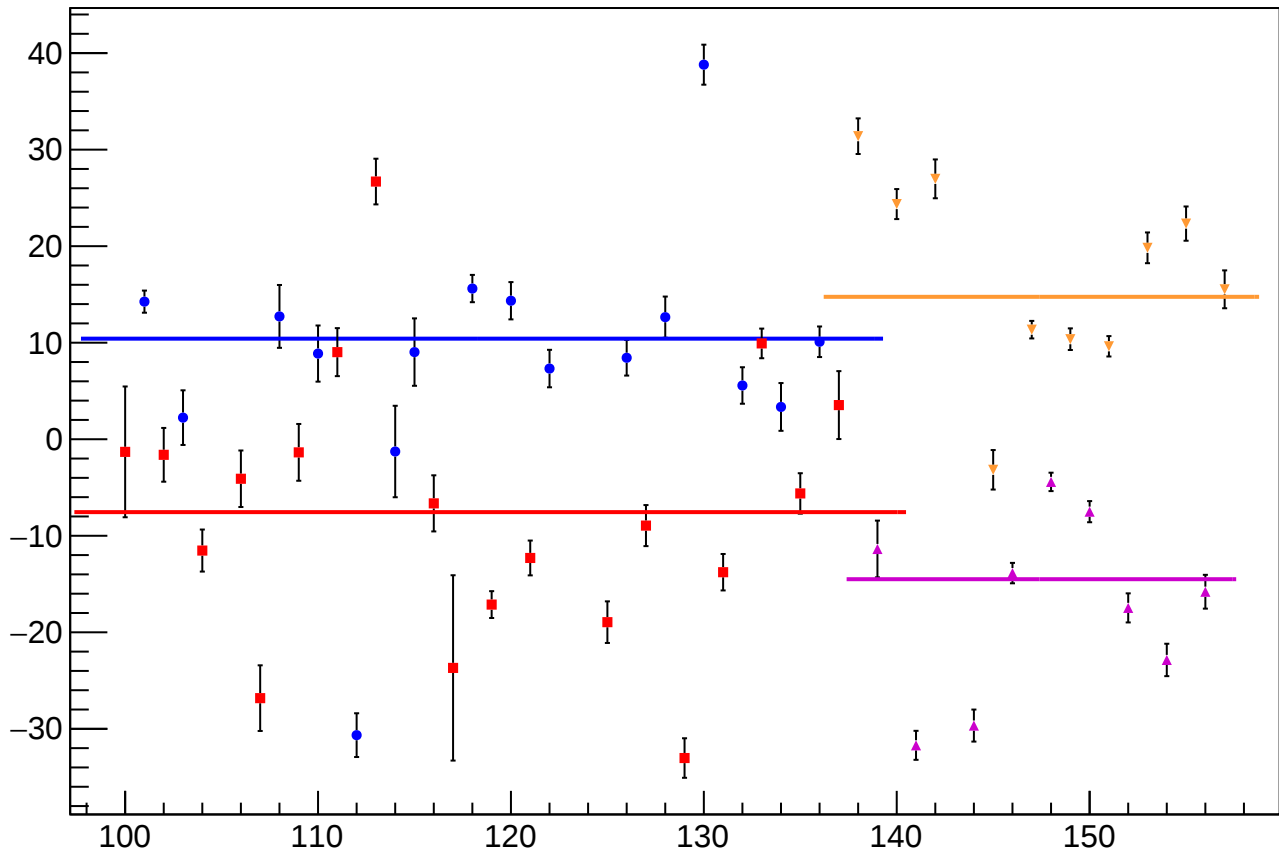
Left In: -76.038 $\pm$ 0.544 χ^2 /NDF: 552.4/8

83.086 $\pm$ 0.451 χ^2 /NDF: 4535.4/25

-0.720 $\pm$ 0.321 χ^2 /NDF: 78678.0/53

-86.412 $\pm$ 0.456 χ^2 /NDF: 4286.4/27

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.420+/-0.497 χ^2/NDF : 579.7/15

Left Out: 14.753+/-0.444 χ^2/NDF : 314.6/9

Right Out: -7.550+/-0.522 χ^2/NDF : 692.3/18

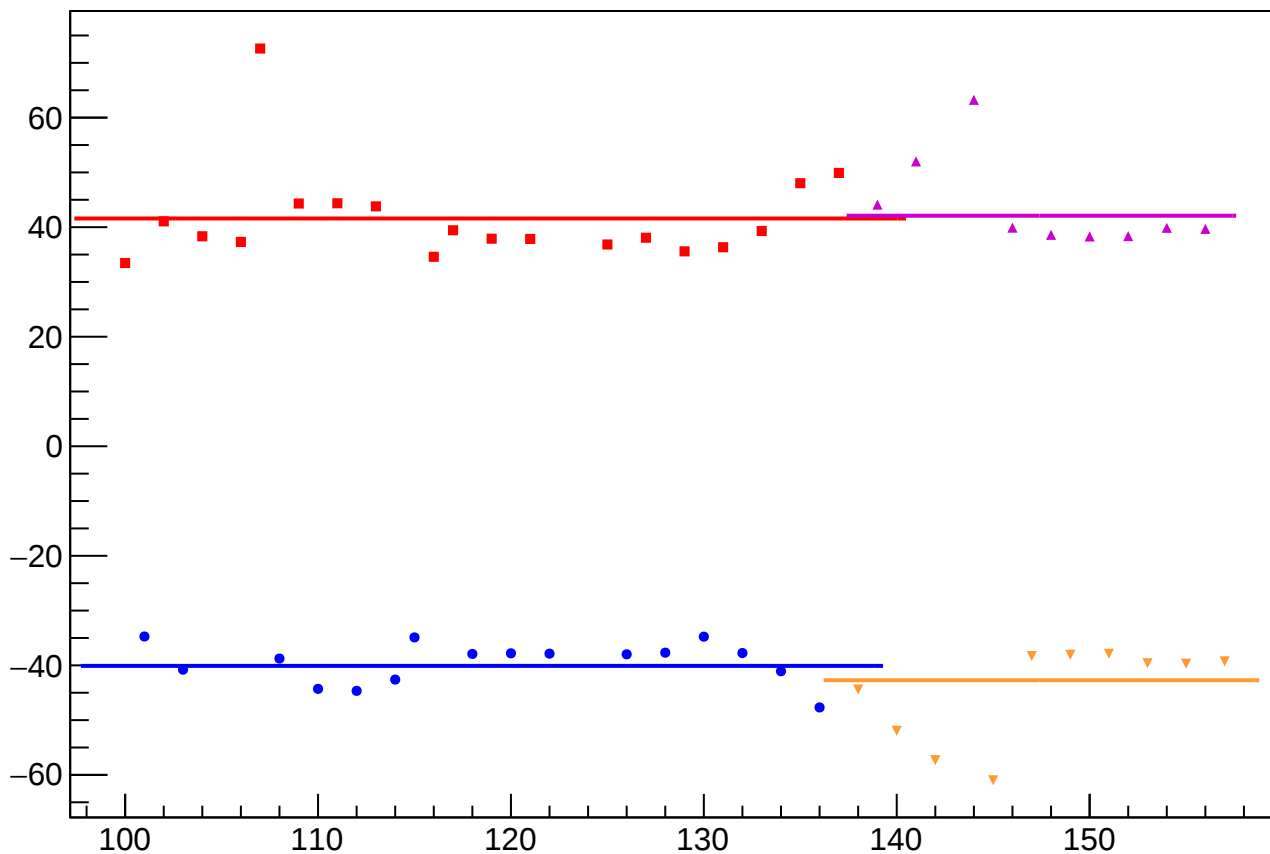
Left In: -14.499+/-0.453 χ^2/NDF : 398.0/8

12.831+/-0.331 χ^2/NDF : 936.6/25

1.056+/-0.238 χ^2/NDF : 4739.8/53

-11.516+/-0.342 χ^2/NDF : 1191.2/27

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.098 ± 0.028 χ^2/NDF : 25073.4/15

Left Out: -42.722 ± 0.022 χ^2/NDF : 102849.8/9

Right Out: 41.588 ± 0.029 χ^2/NDF : 61690.5/18

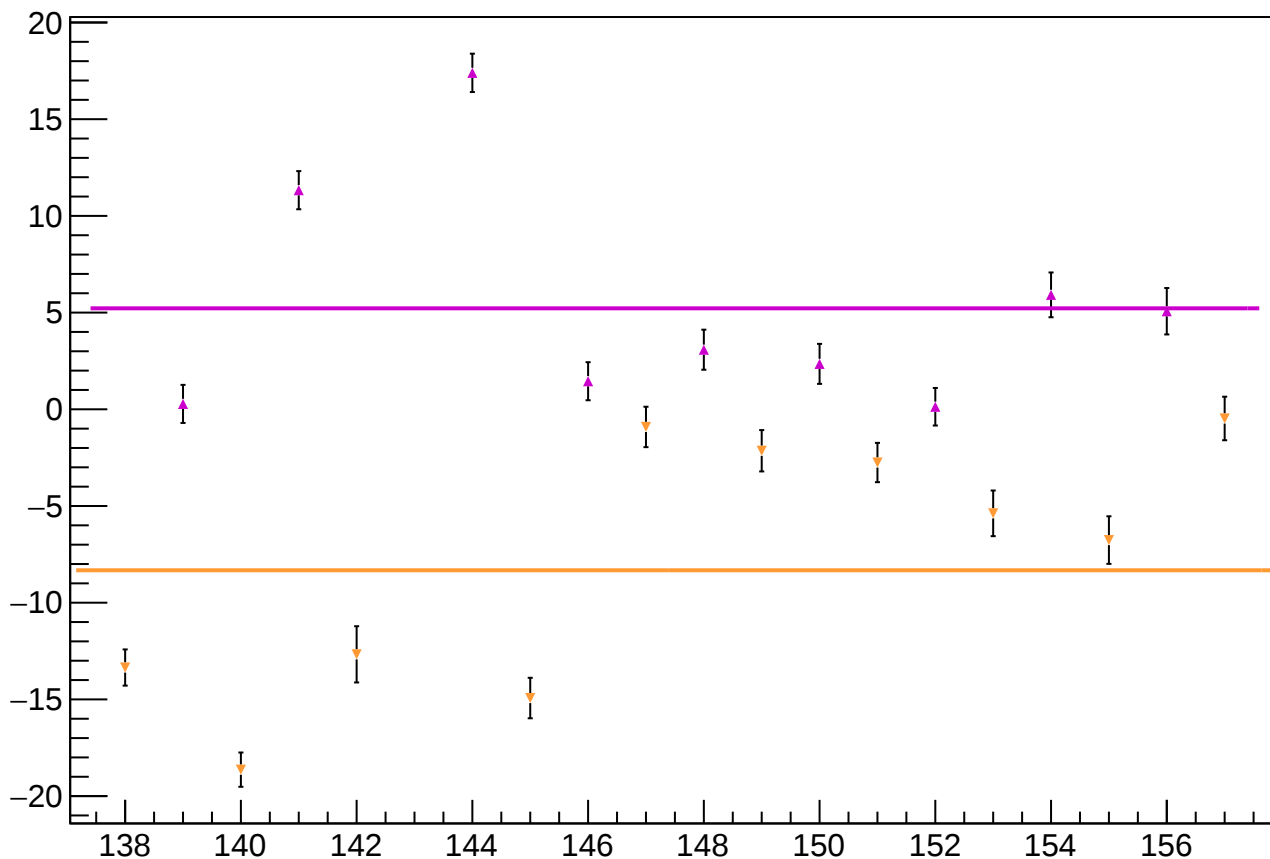
Left In: 42.094 ± 0.022 χ^2/NDF : 86143.2/8

-41.725 ± 0.017 χ^2/NDF : 133246.3/25

0.221 ± 0.012 χ^2/NDF : 11798495.4/53

41.906 ± 0.017 χ^2/NDF : 148031.2/27

reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -8.324 $\pm$ 0.338 χ^2 /NDF: 383.1/9

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

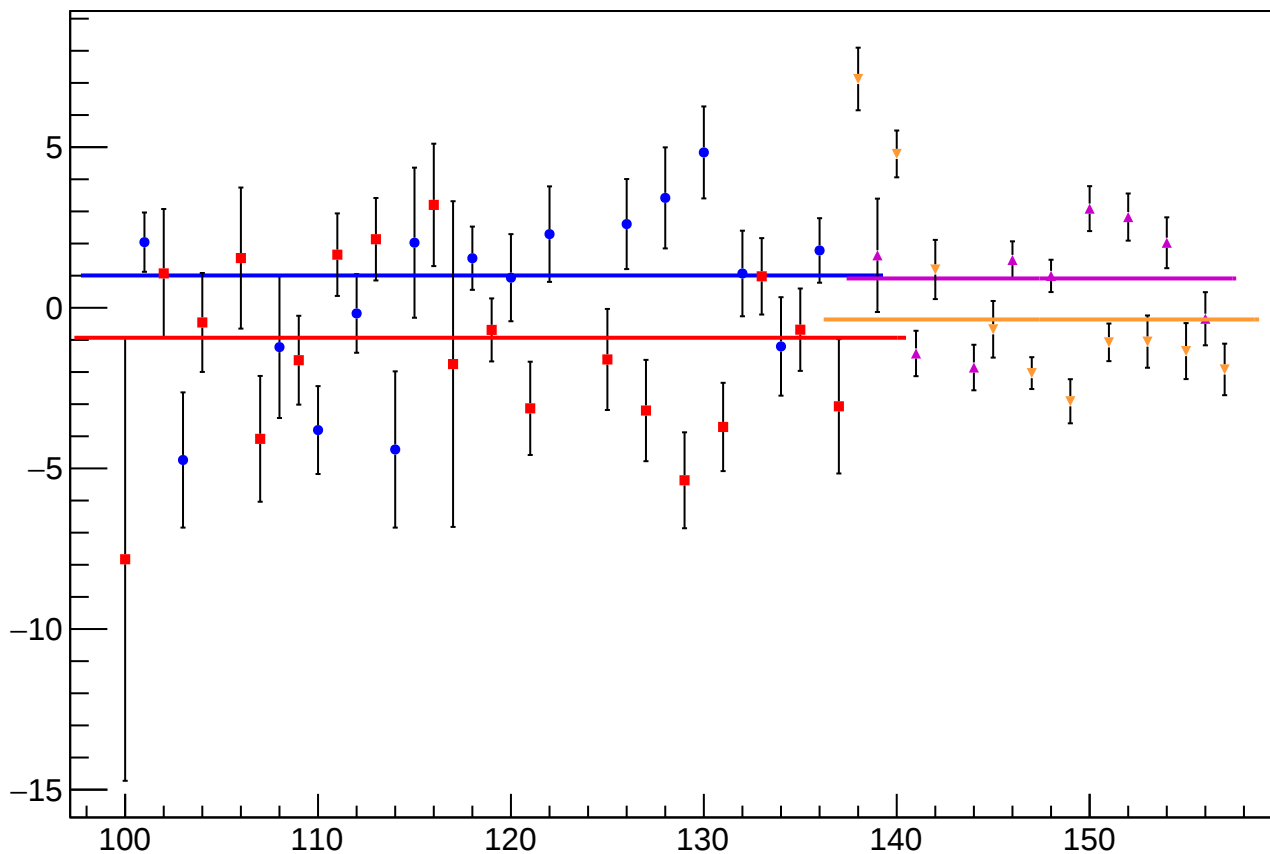
Left In: 5.221 $\pm$ 0.343 χ^2 /NDF: 268.7/8

-8.324 $\pm$ 0.338 χ^2 /NDF: 383.1/9

-1.650 $\pm$ 0.241 χ^2 /NDF: 1440.8/18

5.221 $\pm$ 0.343 χ^2 /NDF: 268.7/8

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.006 $\pm$ 0.342 χ^2/NDF : 42.7/15

Left Out: -0.364 $\pm$ 0.230 χ^2/NDF : 144.3/9

Right Out: -0.933 $\pm$ 0.352 χ^2/NDF : 41.9/18

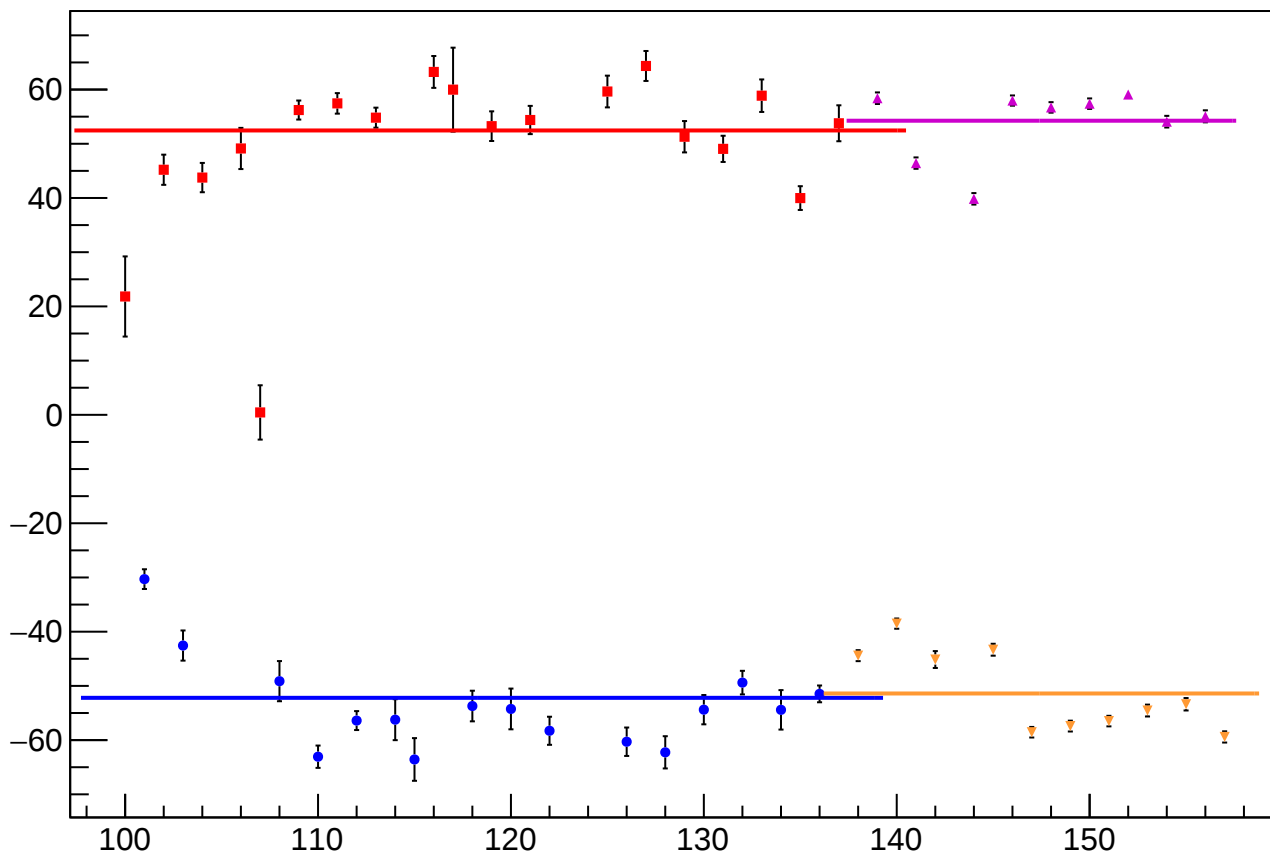
Left In: 0.913 $\pm$ 0.234 χ^2/NDF : 48.1/8

0.064 $\pm$ 0.191 χ^2/NDF : 198.1/25

0.202 $\pm$ 0.136 χ^2/NDF : 308.2/53

0.347 $\pm$ 0.195 χ^2/NDF : 109.0/27

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.200 ± 0.615 χ^2/NDF : 230.6/15

Left Out: -51.399 ± 0.334 χ^2/NDF : 492.0/9

Right Out: 52.455 ± 0.614 χ^2/NDF : 234.8/18

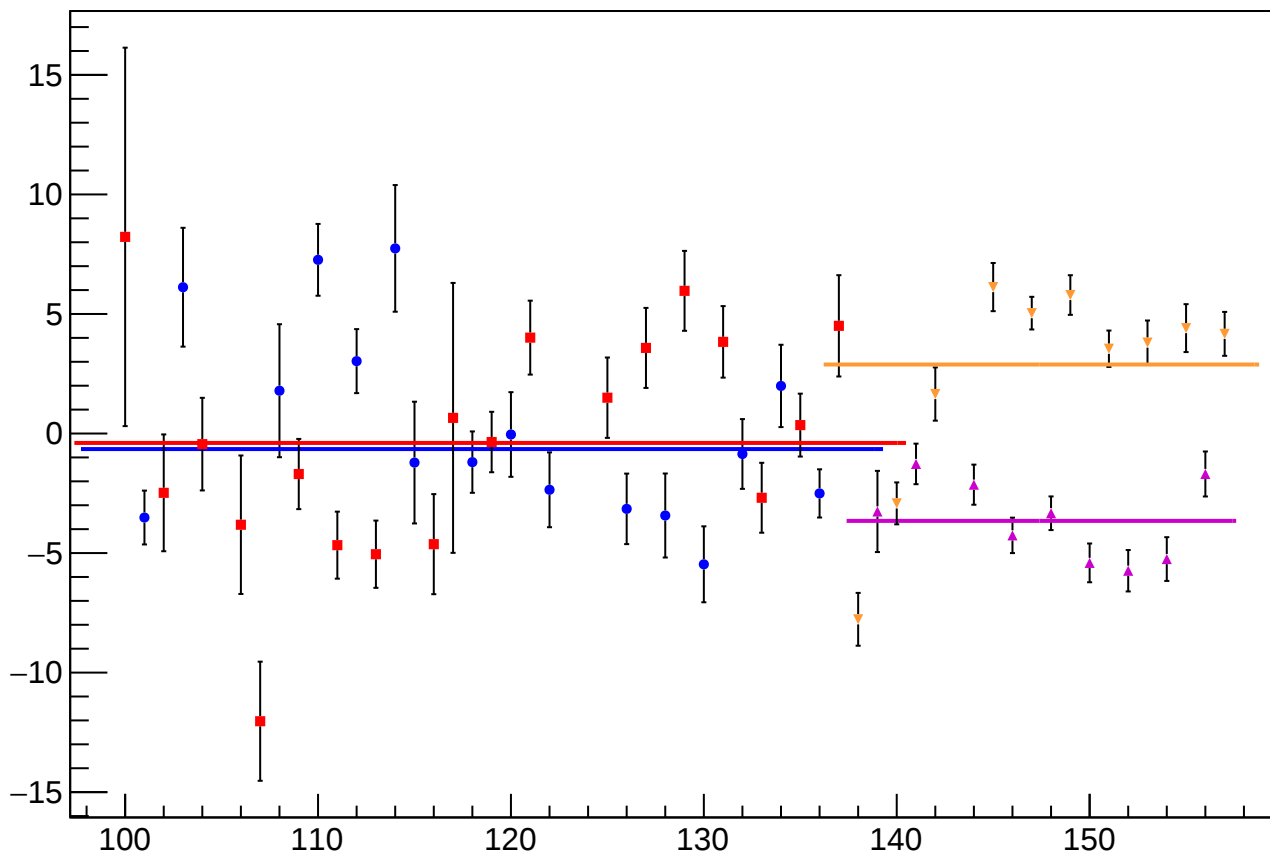
Left In: 54.251 ± 0.338 χ^2/NDF : 315.2/8

-51.582 ± 0.293 χ^2/NDF : 723.9/25

0.677 ± 0.208 χ^2/NDF : 65249.5/53

53.833 ± 0.296 χ^2/NDF : 556.7/27

reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.651 ± 0.387 χ^2/NDF : 81.9/15

Left Out: 2.886 ± 0.282 χ^2/NDF : 176.7/9

Right Out: -0.394 ± 0.398 χ^2/NDF : 95.9/18

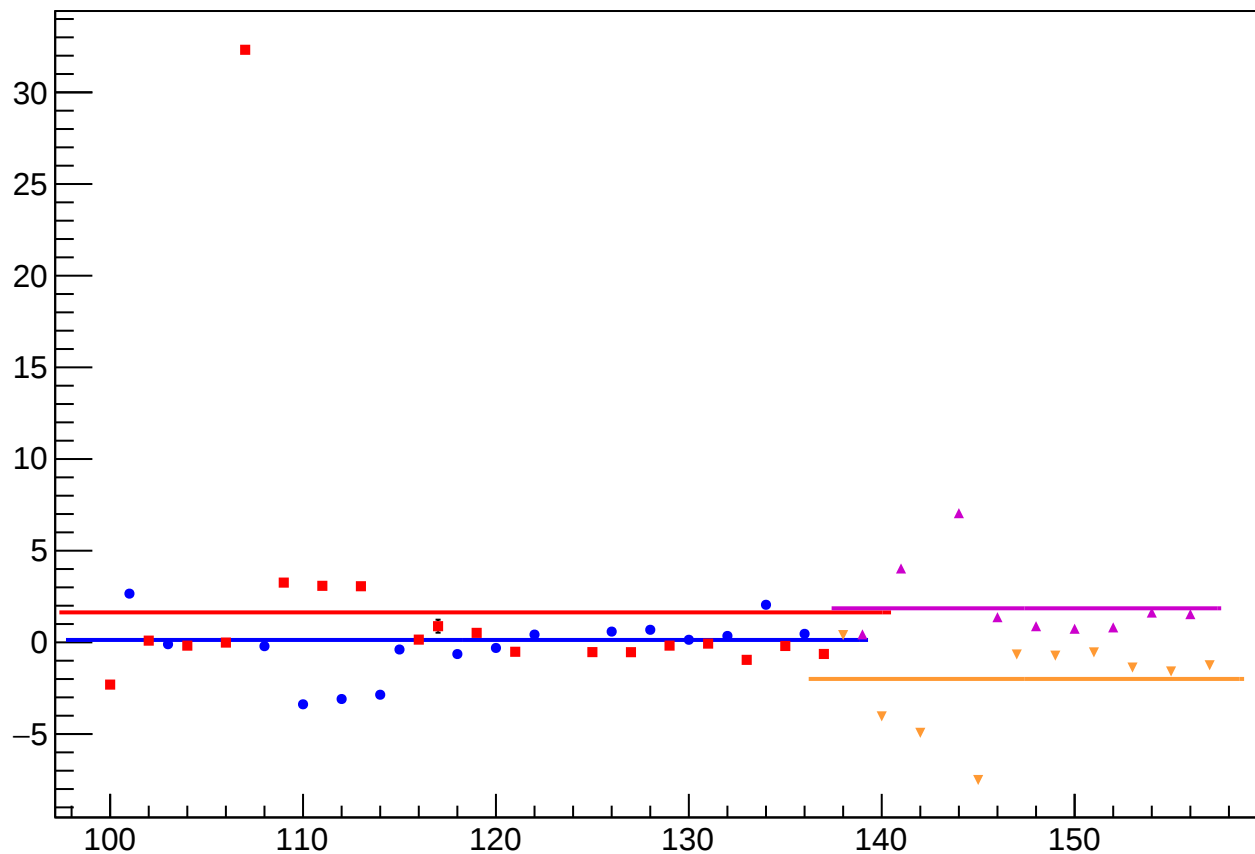
Left In: -3.654 ± 0.287 χ^2/NDF : 30.0/8

1.660 ± 0.228 χ^2/NDF : 313.2/25

-0.397 ± 0.163 χ^2/NDF : 649.9/53

-2.543 ± 0.233 χ^2/NDF : 170.0/27

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: -1.994+/-0.013 χ^2/NDF : 28309.9/9

Right Out: 1.635+/-0.022 χ^2/NDF : 77852.9/18

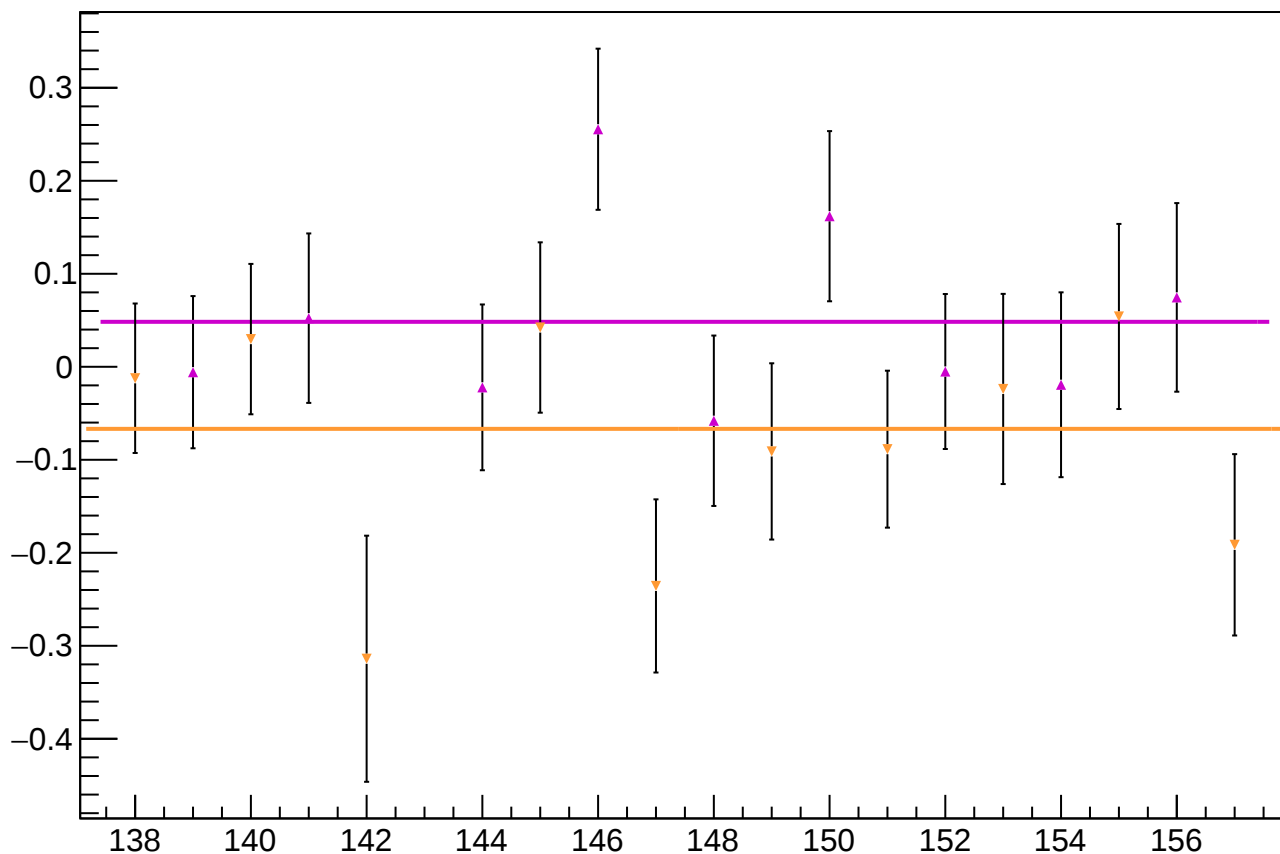
Left In: 1.858+/-0.013 χ^2/NDF : 18903.0/8

-1.412+/-0.011 χ^2/NDF : 40620.6/25

0.176+/-0.008 χ^2/NDF : 177519.0/53

1.797+/-0.011 χ^2/NDF : 96831.7/27

reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.067 $\pm$ 0.029 χ^2 /NDF: 13.5/9

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

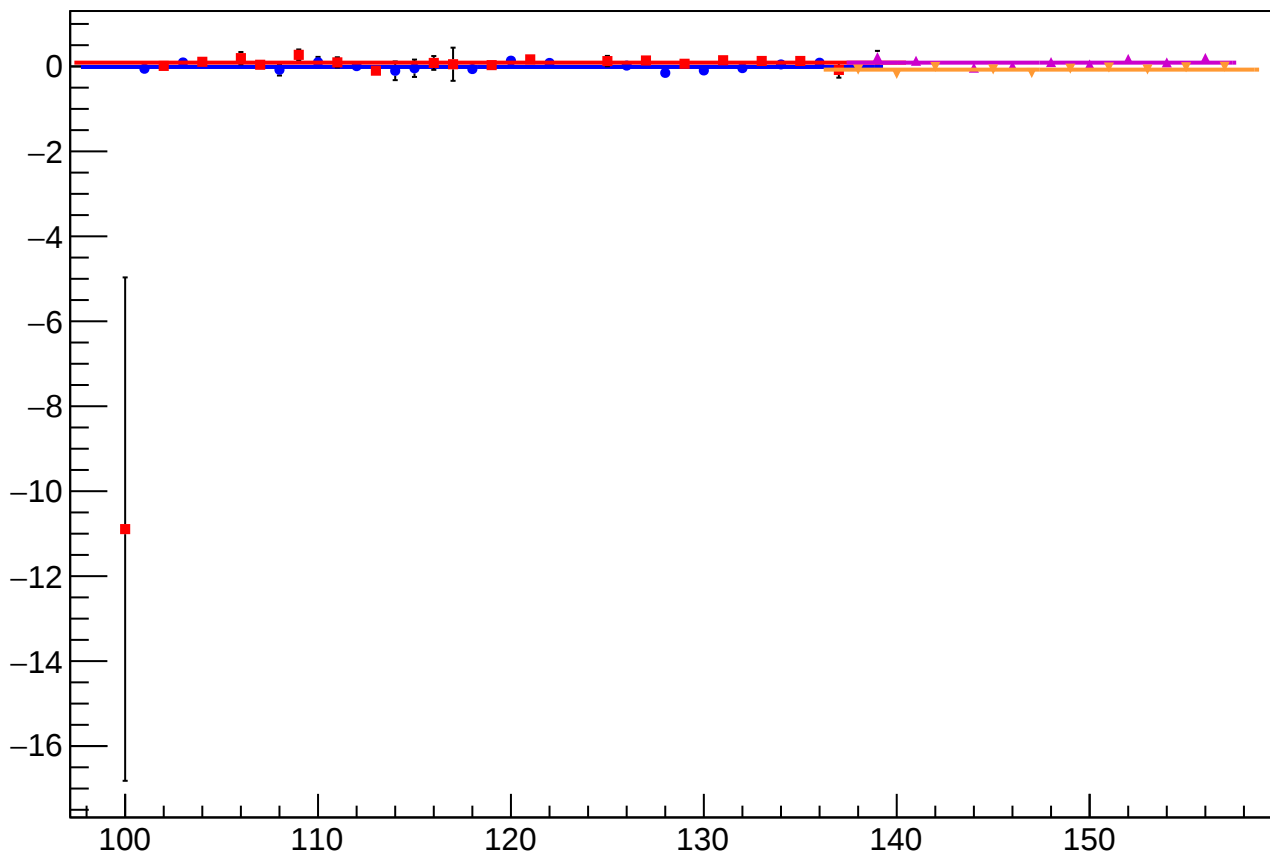
Left In: 0.048 $\pm$ 0.030 χ^2 /NDF: 10.6/8

-0.067 $\pm$ 0.029 χ^2 /NDF: 13.5/9

-0.010 $\pm$ 0.021 χ^2 /NDF: 31.6/18

0.048 $\pm$ 0.030 χ^2 /NDF: 10.6/8

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: -0.076 ± 0.020 χ^2/NDF : 9.0/9

Right Out: 0.089 ± 0.025 χ^2/NDF : 13.0/18

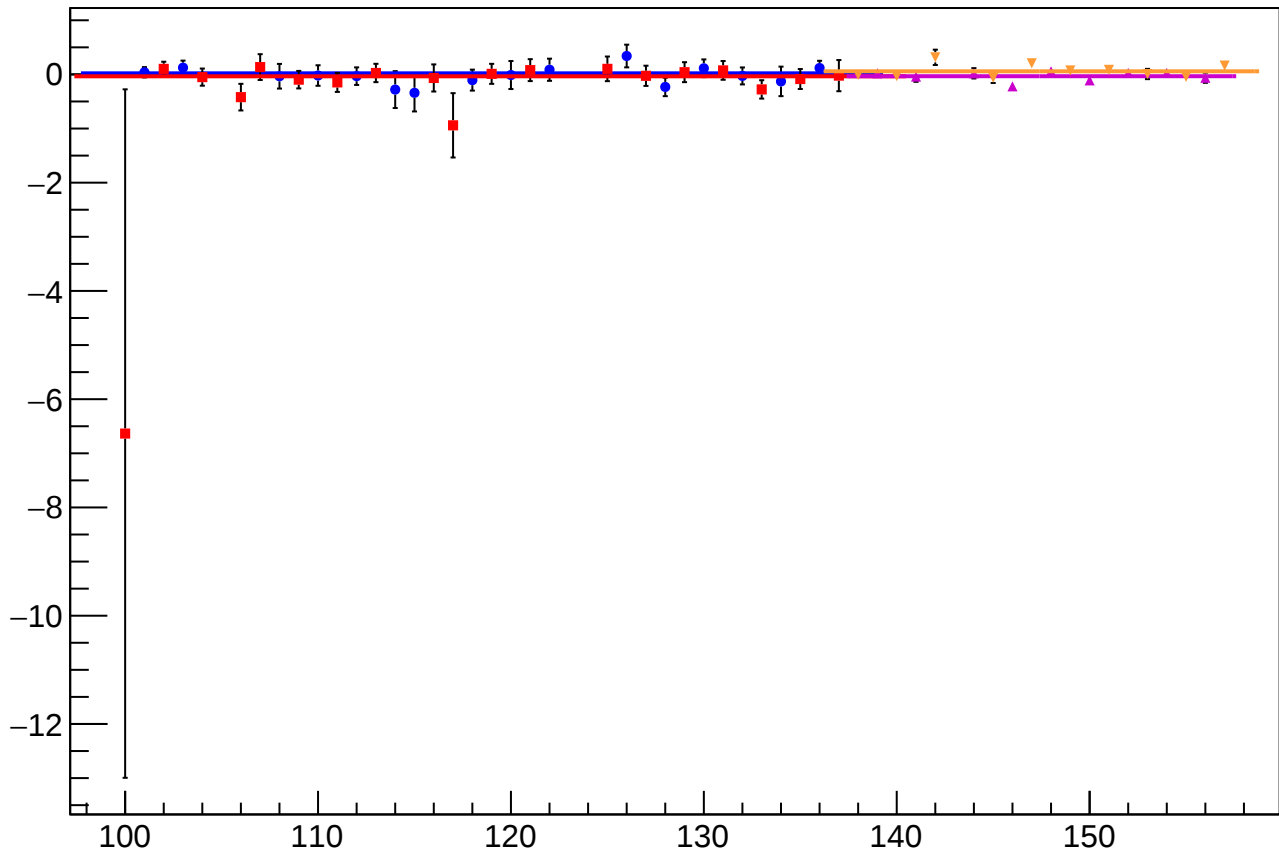
Left In: 0.089 ± 0.021 χ^2/NDF : 11.9/8

-0.049 ± 0.015 χ^2/NDF : 24.7/25

0.017 ± 0.011 χ^2/NDF : 89.0/53

0.089 ± 0.016 χ^2/NDF : 24.9/27

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.020 ± 0.043 χ^2/NDF : 9.1/15

Left Out: 0.058 ± 0.029 χ^2/NDF : 12.5/9

Right Out: -0.035 ± 0.045 χ^2/NDF : 11.6/18

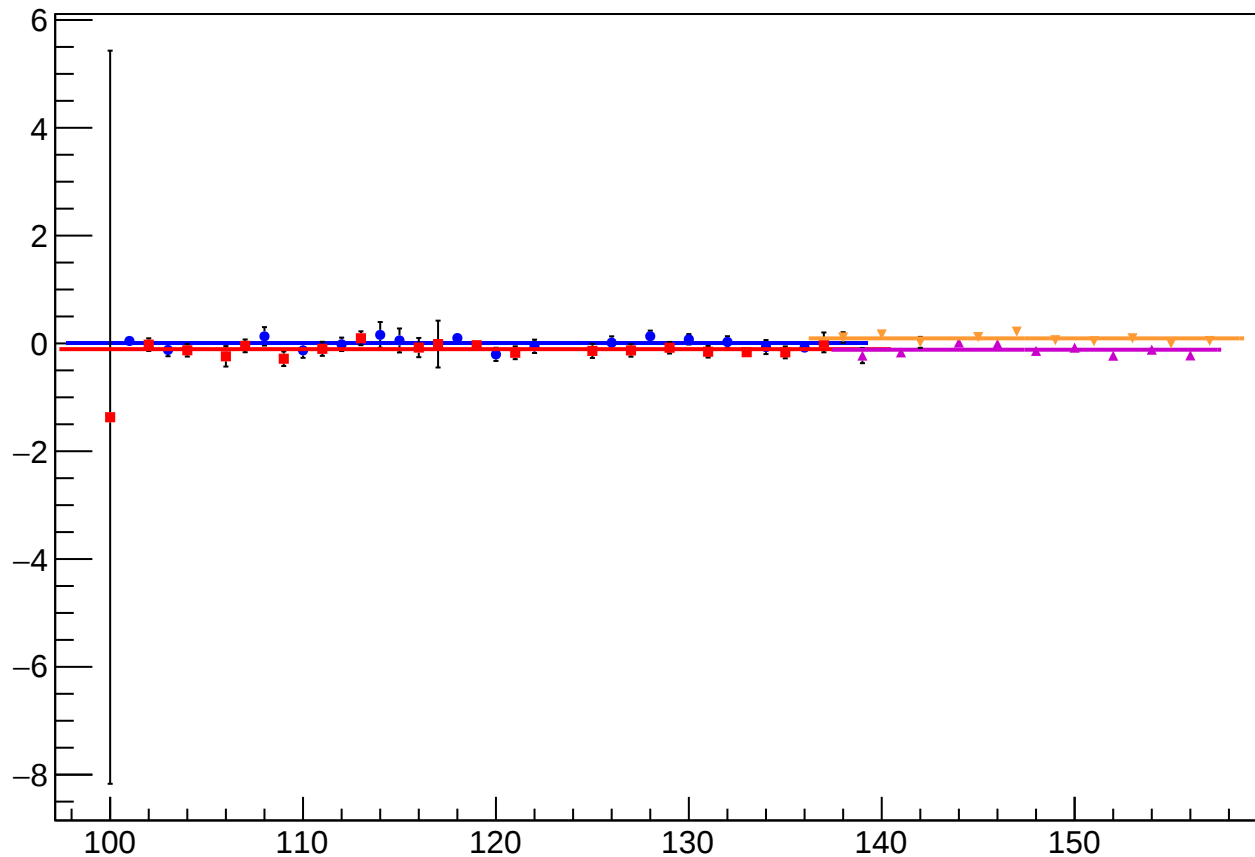
Left In: -0.033 ± 0.030 χ^2/NDF : 8.8/8

0.046 ± 0.024 χ^2/NDF : 22.1/25

0.007 ± 0.017 χ^2/NDF : 47.8/53

-0.034 ± 0.025 χ^2/NDF : 20.4/27

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.007 ± 0.027 χ^2/NDF : 11.3/15

Left Out: 0.094 ± 0.025 χ^2/NDF : 8.5/9

Right Out: -0.106 ± 0.029 χ^2/NDF : 8.2/18

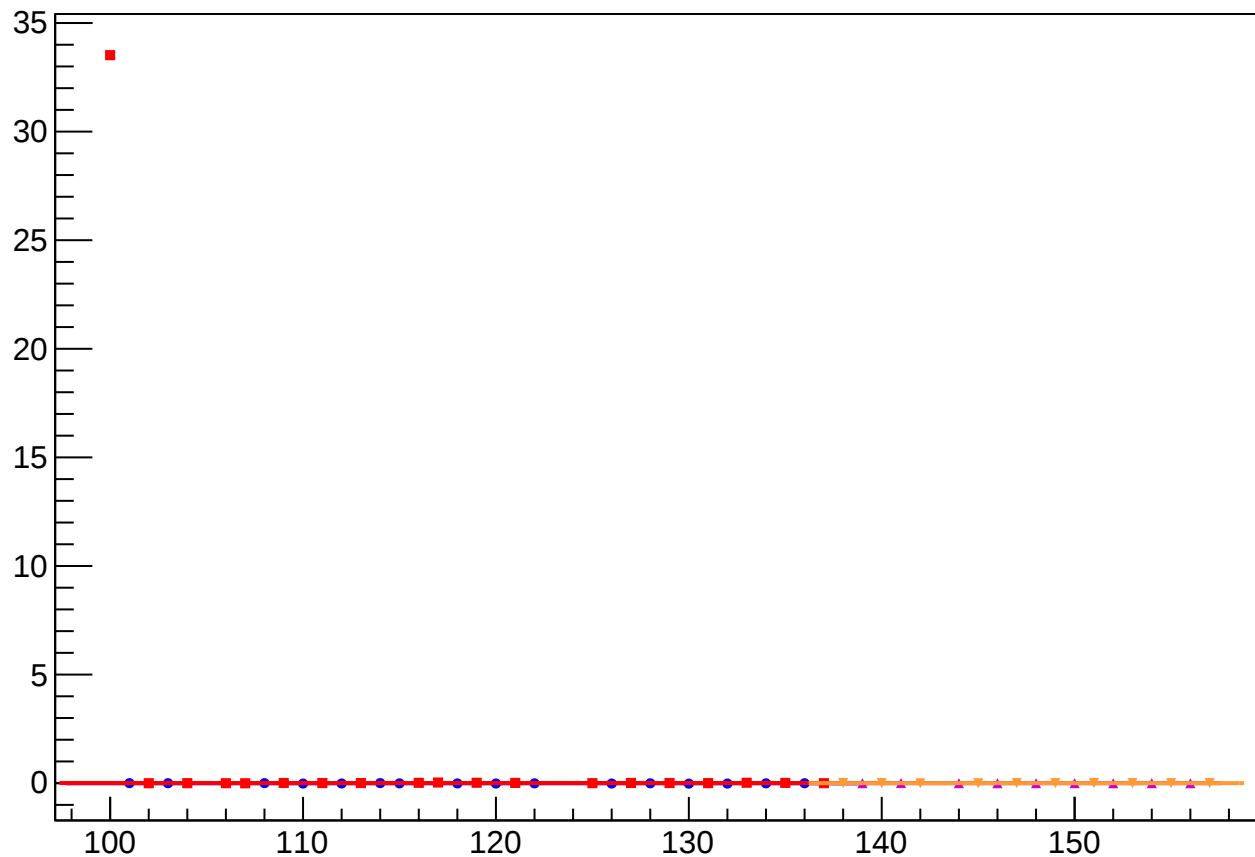
Left In: -0.117 ± 0.025 χ^2/NDF : 11.2/8

0.055 ± 0.018 χ^2/NDF : 25.3/25

-0.025 ± 0.013 χ^2/NDF : 85.3/53

-0.112 ± 0.019 χ^2/NDF : 19.5/27

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005 $\pm$ 0.001 χ^2 /NDF: 21.8/15

Left Out: 0.001 $\pm$ 0.001 χ^2 /NDF: 7.0/9

Right Out: 0.006 $\pm$ 0.001 χ^2 /NDF: 26509.5/18

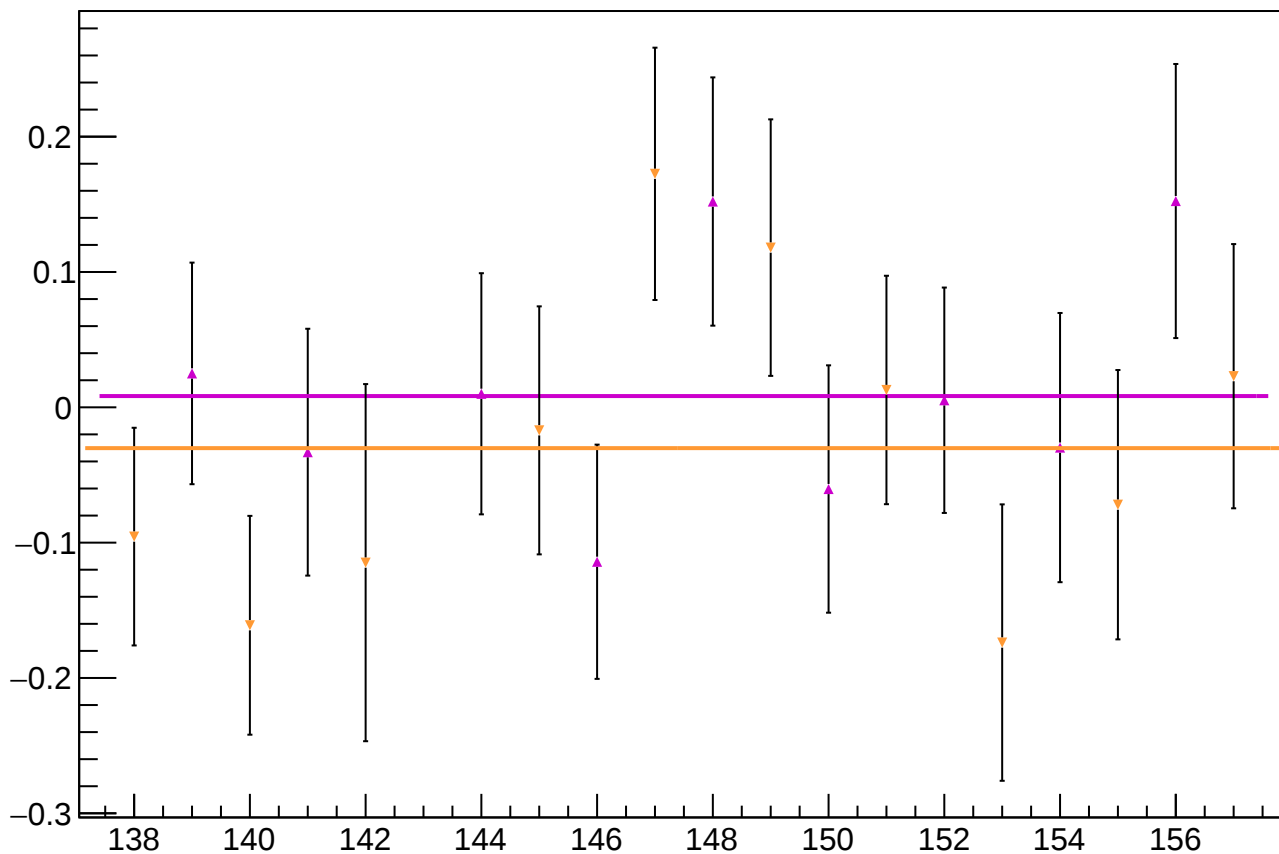
Left In: 0.001 $\pm$ 0.001 χ^2 /NDF: 5.0/8

-0.001 $\pm$ 0.001 χ^2 /NDF: 40.5/25

0.001 $\pm$ 0.001 χ^2 /NDF: 26573.7/53

0.003 $\pm$ 0.001 χ^2 /NDF: 26522.8/27

reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.030+/-0.029 χ^2/NDF : 13.6/9

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

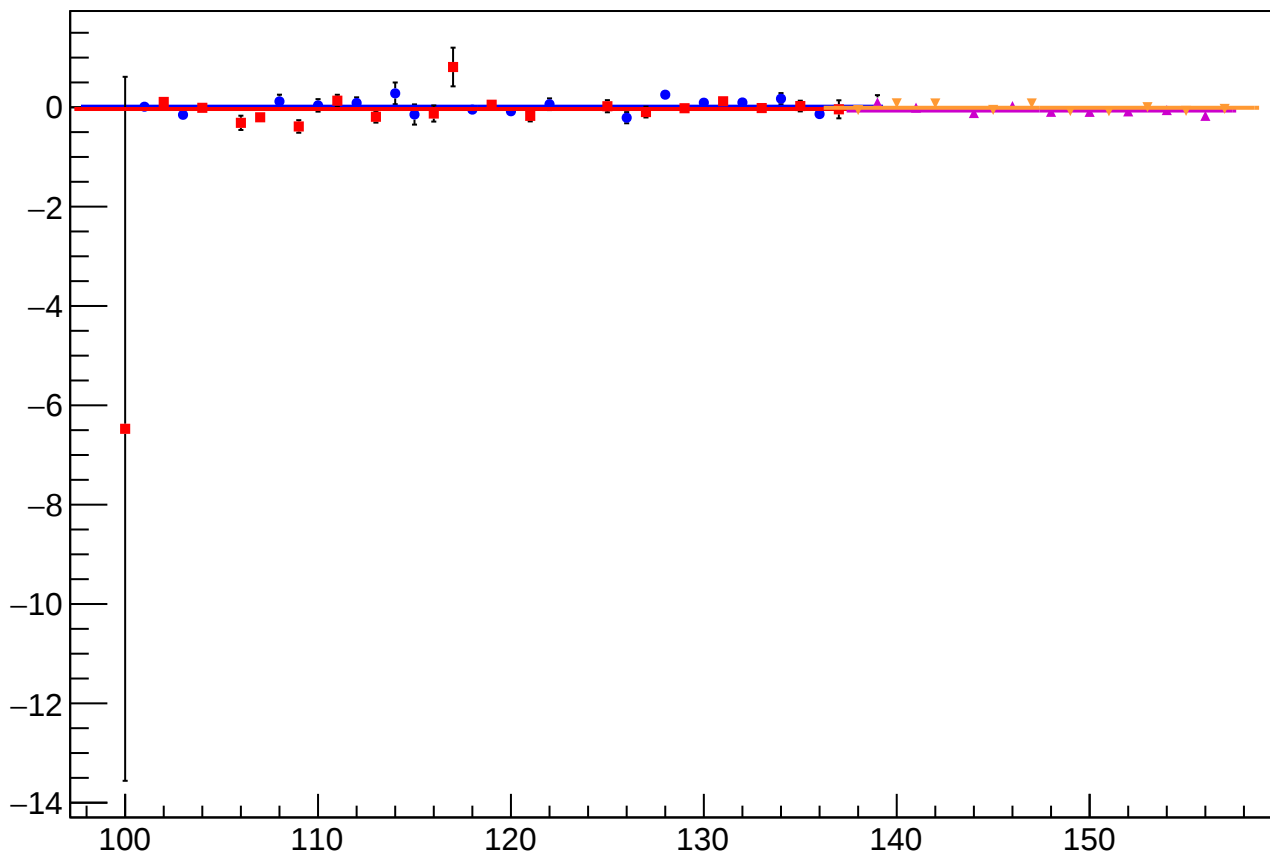
Left In: 0.008+/-0.030 χ^2/NDF : 7.4/8

-0.030+/-0.029 χ^2/NDF : 13.6/9

-0.011+/-0.021 χ^2/NDF : 21.9/18

0.008+/-0.030 χ^2/NDF : 7.4/8

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.023 χ^2 /NDF: 25.0/15

Left Out: -0.010 $\pm$ 0.020 χ^2 /NDF: 11.6/9

Right Out: -0.035 $\pm$ 0.025 χ^2 /NDF: 33.2/18

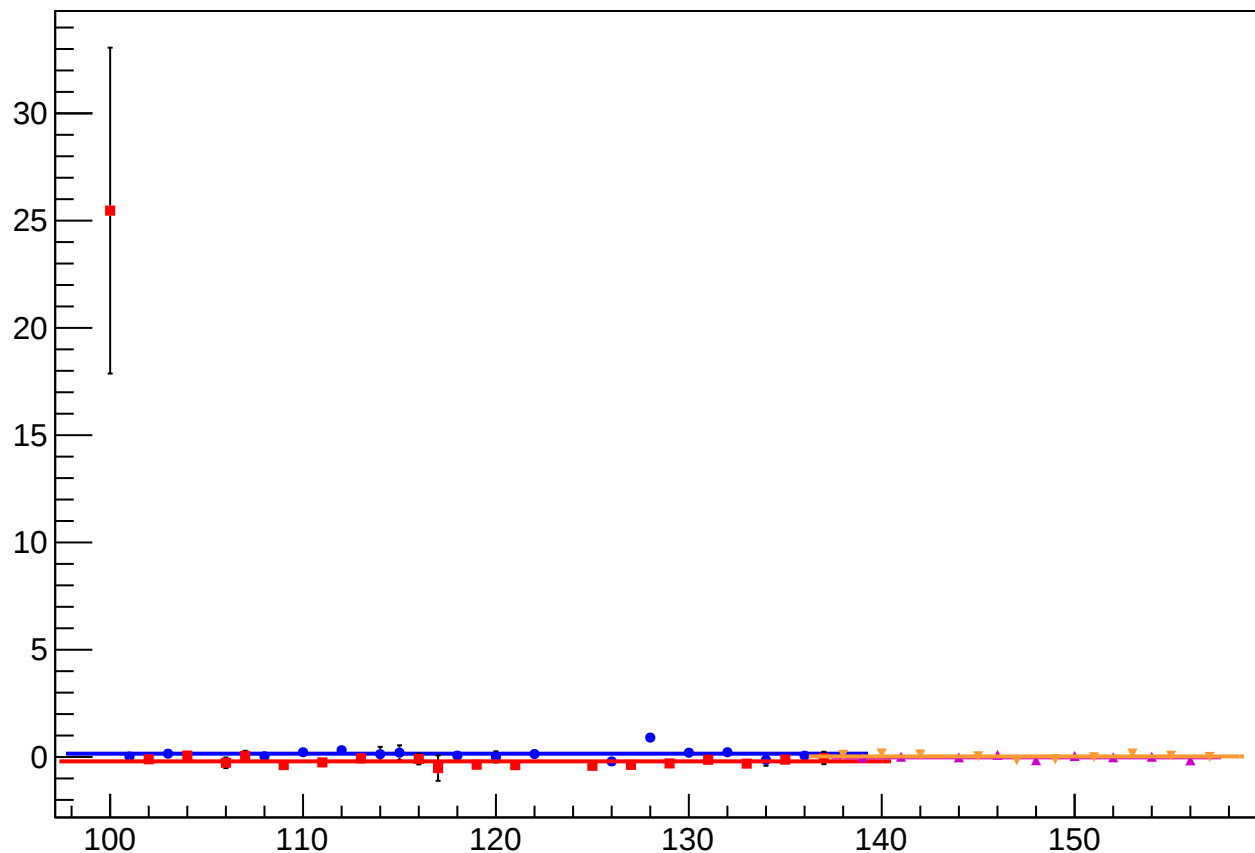
Left In: -0.066 $\pm$ 0.021 χ^2 /NDF: 8.7/8

-0.001 $\pm$ 0.015 χ^2 /NDF: 37.2/25

-0.026 $\pm$ 0.011 χ^2 /NDF: 85.6/53

-0.053 $\pm$ 0.016 χ^2 /NDF: 42.8/27

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.154 ± 0.043 $\chi^2/\text{NDF}: 27.9/15$

Left Out: 0.027 ± 0.029 $\chi^2/\text{NDF}: 13.1/9$

Right Out: -0.203 ± 0.045 $\chi^2/\text{NDF}: 22.9/18$

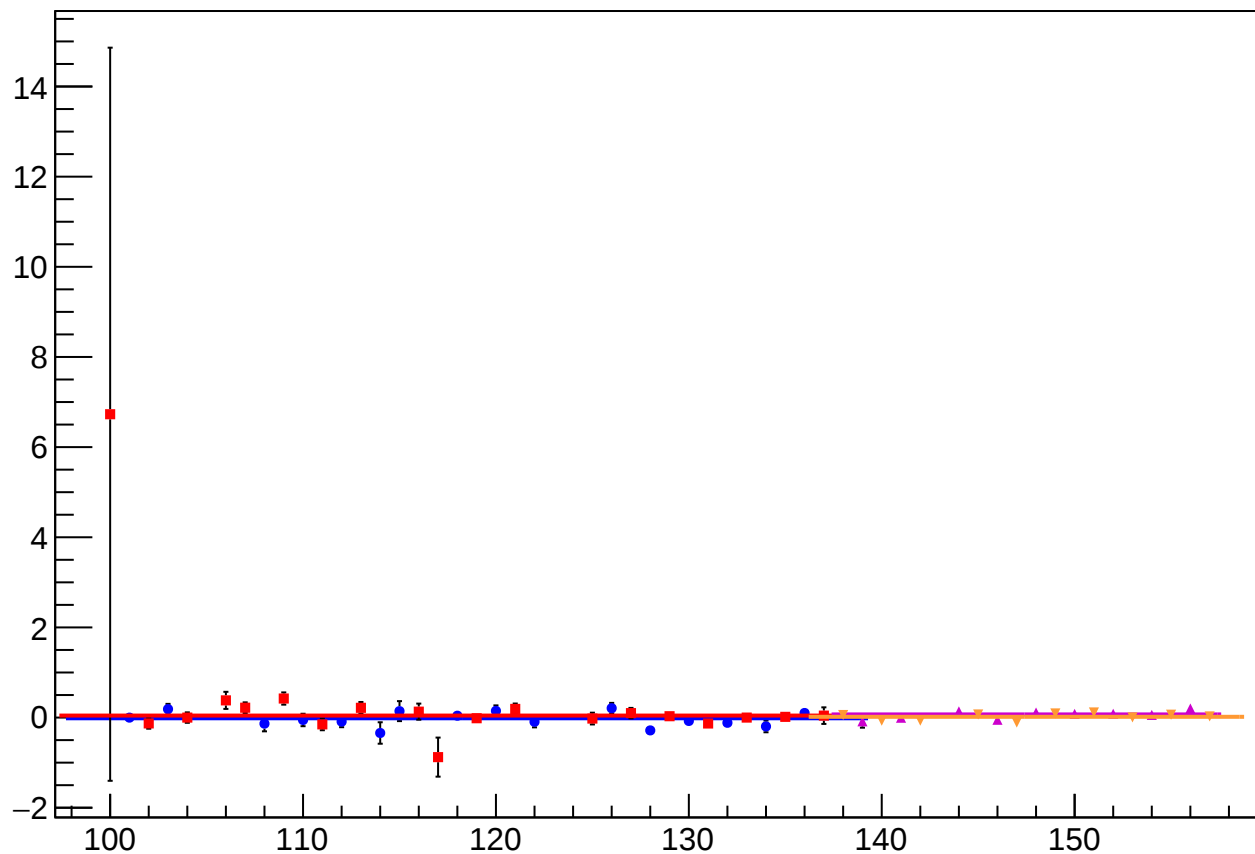
Left In: -0.017 ± 0.030 $\chi^2/\text{NDF}: 7.4/8$

0.067 ± 0.024 $\chi^2/\text{NDF}: 47.1/25$

-0.001 ± 0.017 $\chi^2/\text{NDF}: 105.9/53$

-0.073 ± 0.025 $\chi^2/\text{NDF}: 42.2/27$

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.016 ± 0.027 χ^2/NDF : 24.3/15

Left Out: 0.017 ± 0.025 χ^2/NDF : 10.5/9

Right Out: 0.044 ± 0.029 χ^2/NDF : 30.5/18

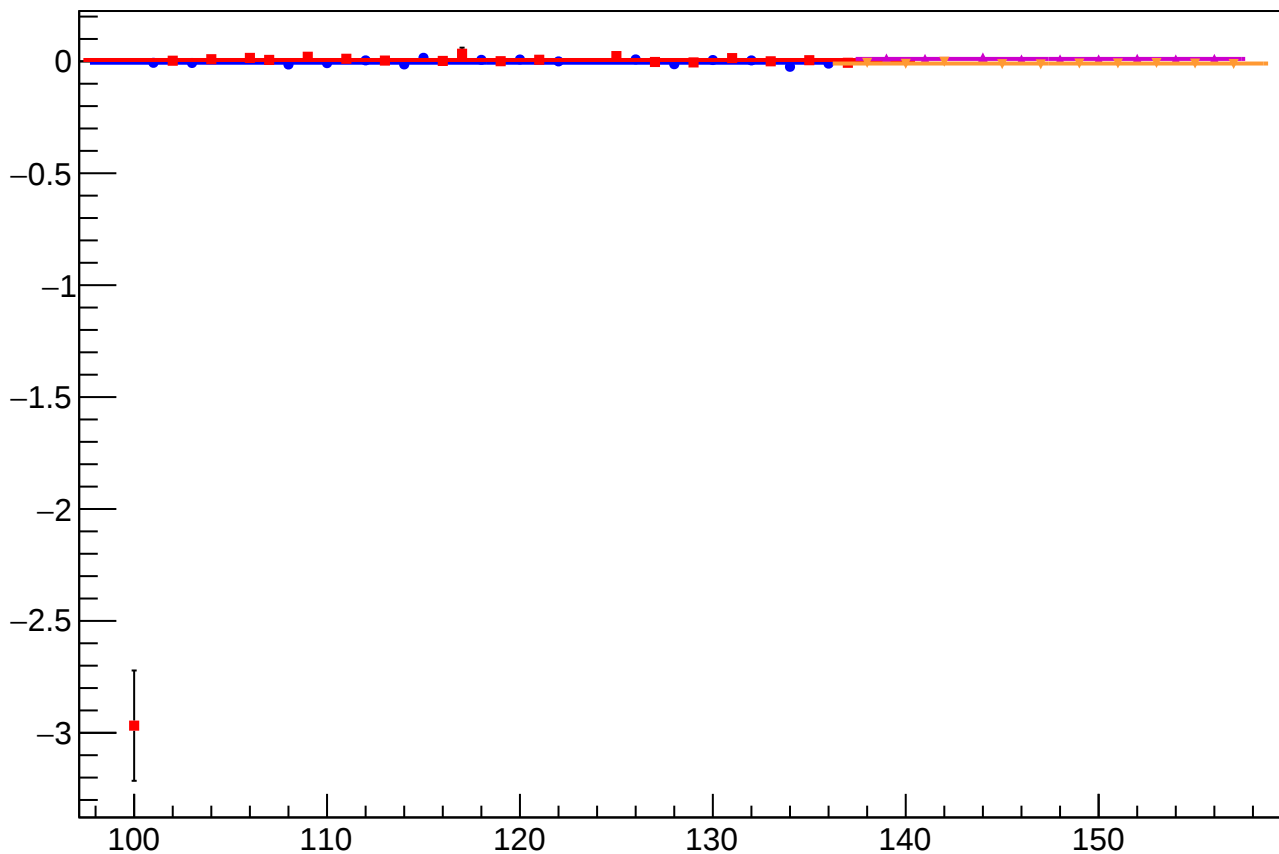
Left In: 0.070 ± 0.025 χ^2/NDF : 9.4/8

0.002 ± 0.018 χ^2/NDF : 35.6/25

0.029 ± 0.013 χ^2/NDF : 80.6/53

0.059 ± 0.019 χ^2/NDF : 40.3/27

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006+/-0.001 χ^2 /NDF: 27.3/15

Left Out: -0.010+/-0.001 χ^2 /NDF: 5.5/9

Right Out: 0.006+/-0.001 χ^2 /NDF: 167.0/18

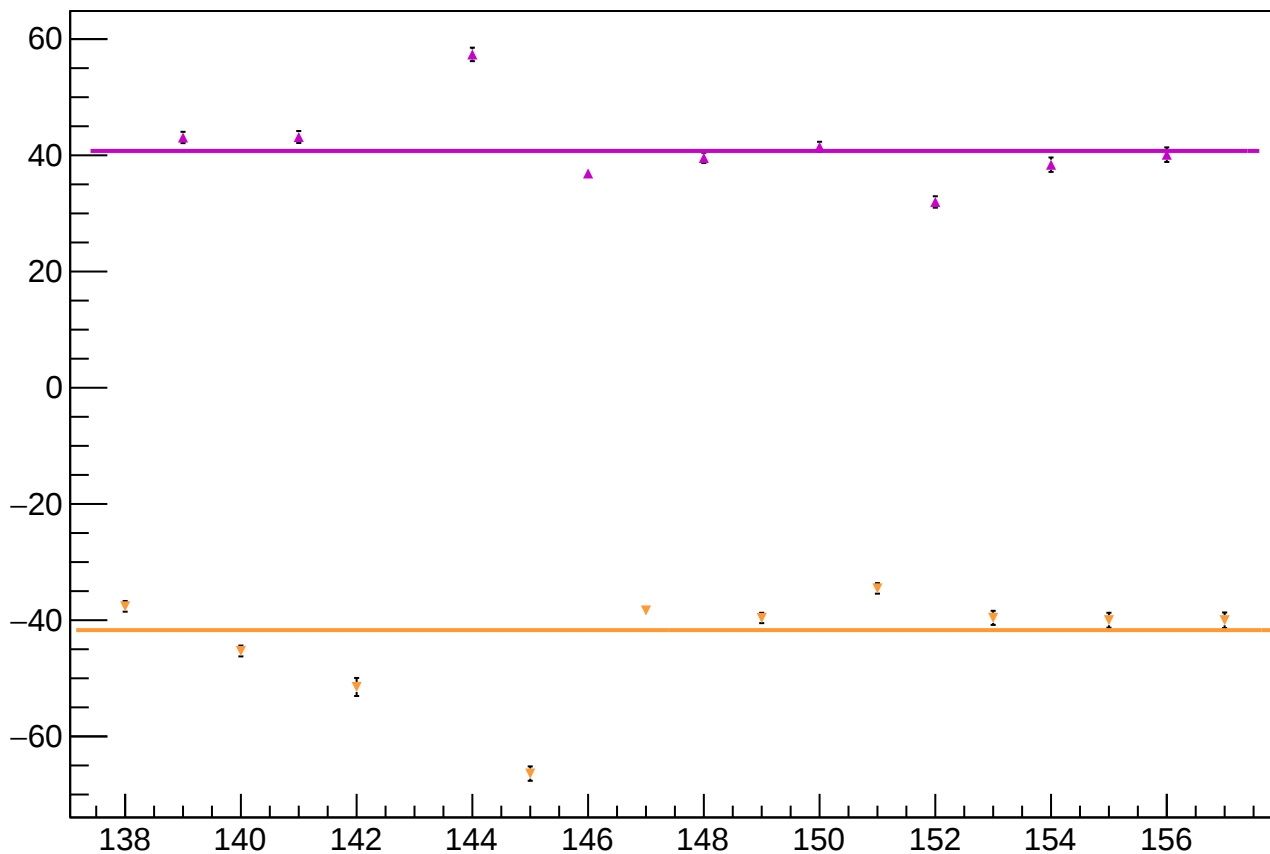
Left In: 0.011+/-0.001 χ^2 /NDF: 4.6/8

-0.008+/-0.001 χ^2 /NDF: 36.6/25

0.000+/-0.001 χ^2 /NDF: 399.7/53

0.009+/-0.001 χ^2 /NDF: 178.2/27

reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -41.709 $\pm$ 0.332 χ^2/NDF : 561.3/9

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

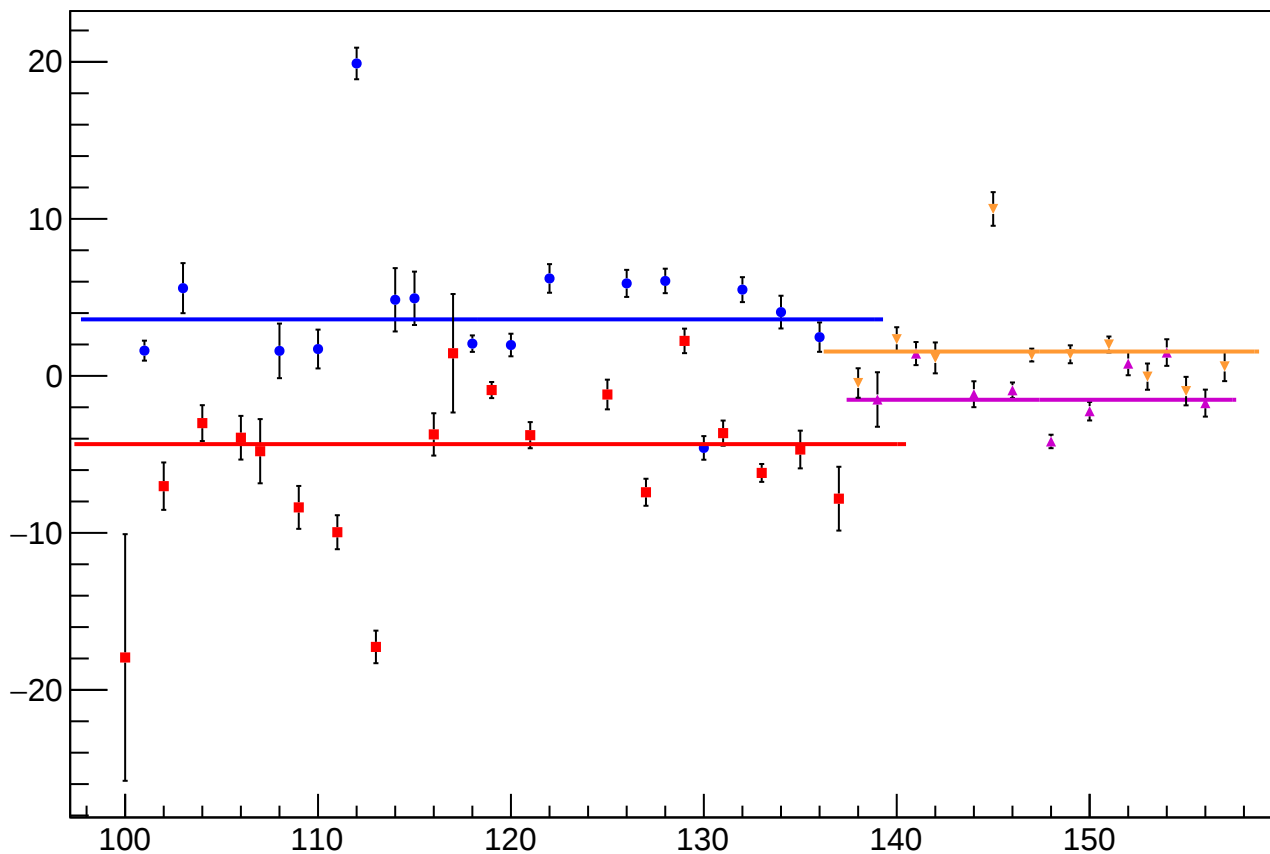
Left In: 40.752 $\pm$ 0.333 χ^2/NDF : 323.3/8

-41.709 $\pm$ 0.332 χ^2/NDF : 561.3/9

-0.604 $\pm$ 0.235 χ^2/NDF : 31683.3/18

40.752 $\pm$ 0.333 χ^2/NDF : 323.3/8

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.599 ± 0.220 χ^2/NDF : 443.4/15

Left Out: 1.551 ± 0.216 χ^2/NDF : 91.2/9

Right Out: -4.347 ± 0.224 χ^2/NDF : 355.4/18

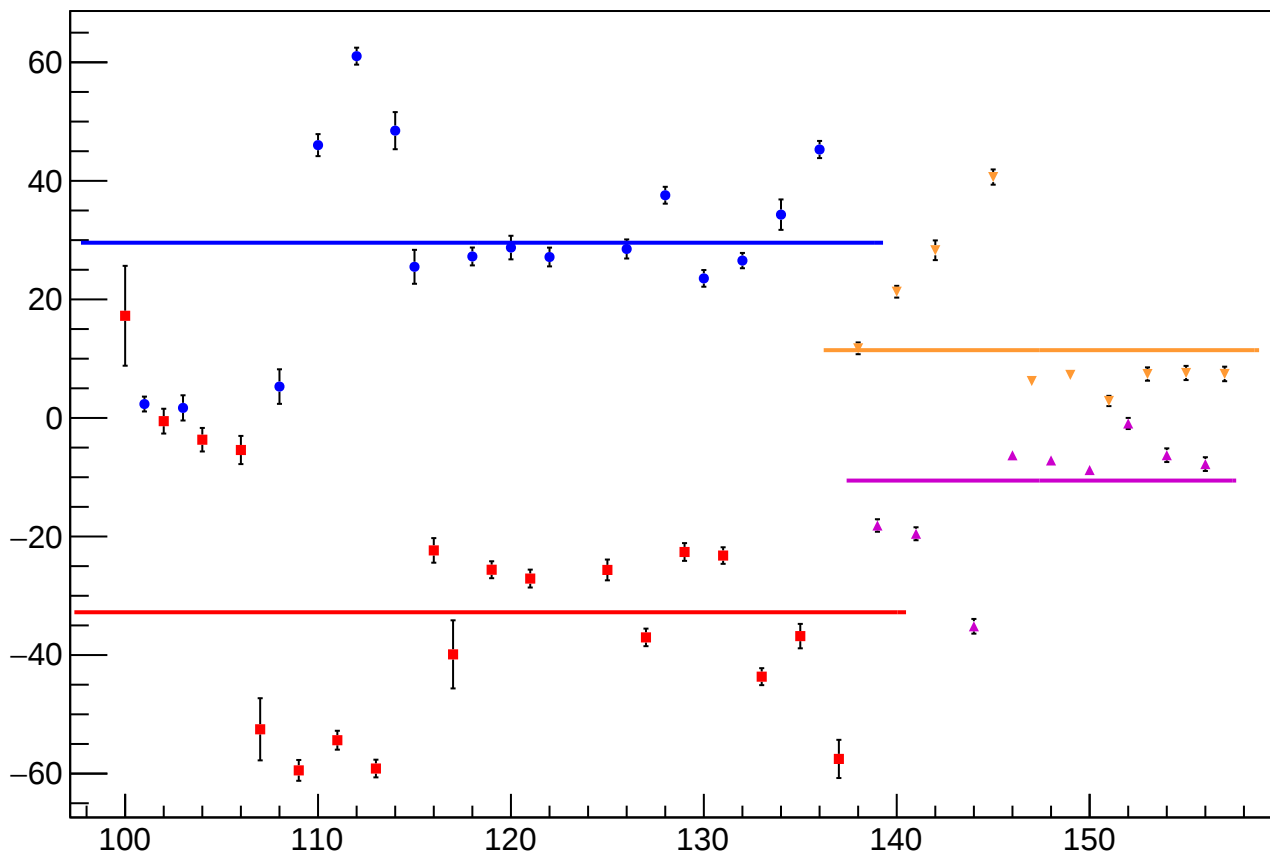
Left In: -1.522 ± 0.221 χ^2/NDF : 79.8/8

2.554 ± 0.154 χ^2/NDF : 578.7/25

-0.123 ± 0.110 χ^2/NDF : 1709.8/53

-2.910 ± 0.157 χ^2/NDF : 515.9/27

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: 11.436+/-0.325 χ^2/NDF : 915.7/9

Right Out: -32.780+/-0.422 χ^2/NDF : 1664.8/18

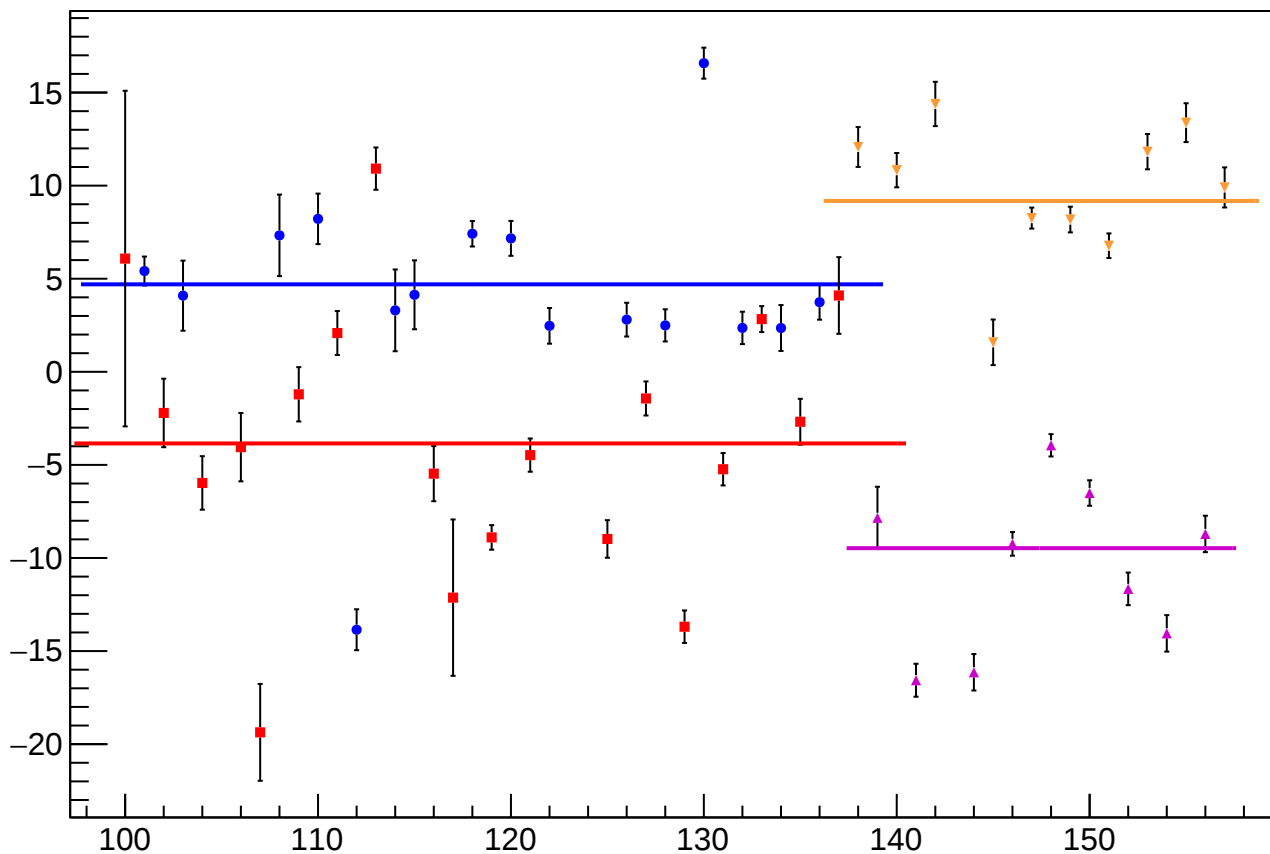
Left In: -10.563+/-0.325 χ^2/NDF : 684.7/8

18.233+/-0.257 χ^2/NDF : 3577.3/25

-0.269+/-0.182 χ^2/NDF : 18063.6/53

-18.845+/-0.257 χ^2/NDF : 4091.1/27

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: 9.178 ± 0.269 $\chi^2/\text{NDF}: 110.6/9$

Right Out: -3.848 ± 0.258 $\chi^2/\text{NDF}: 571.5/18$

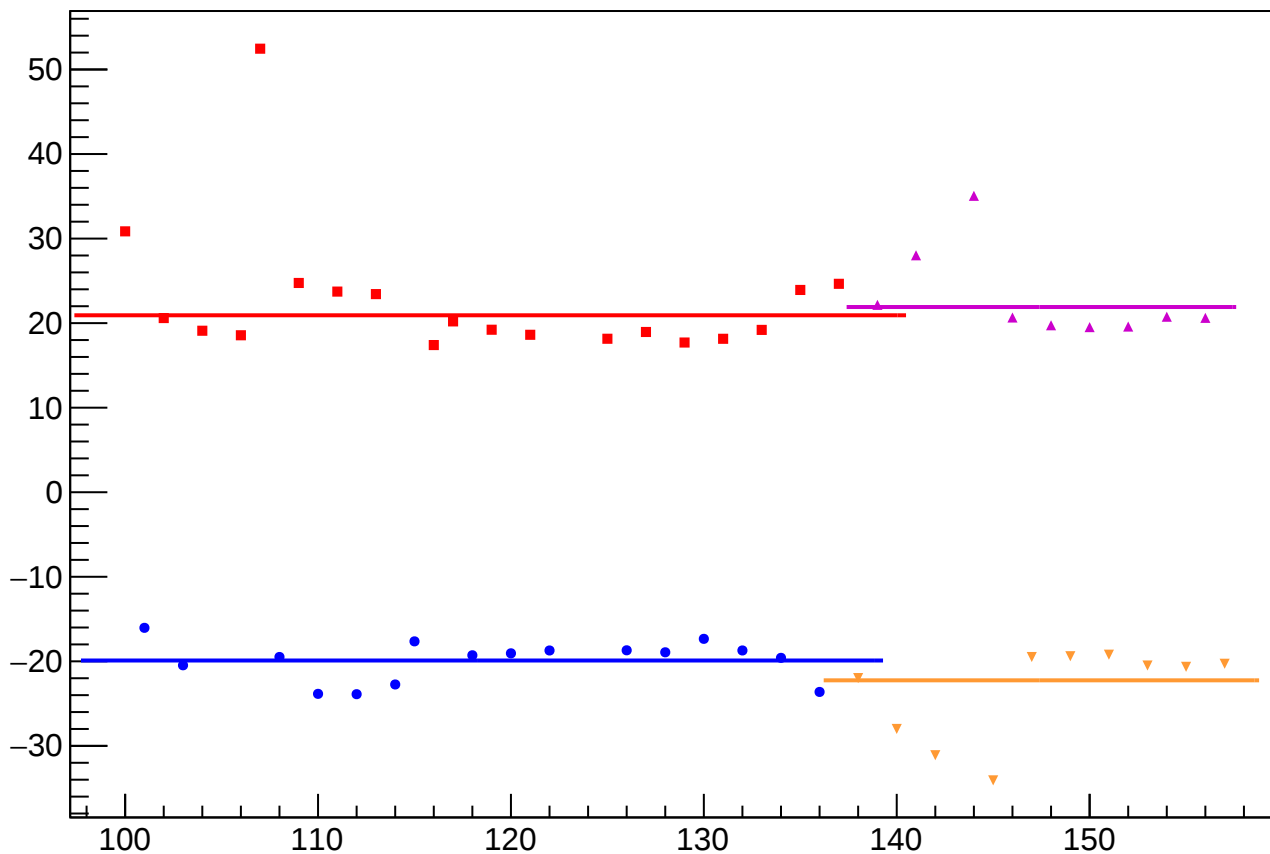
Left In: -9.473 ± 0.273 $\chi^2/\text{NDF}: 244.0/8$

6.814 ± 0.185 $\chi^2/\text{NDF}: 806.4/25$

0.255 ± 0.131 $\chi^2/\text{NDF}: 4410.9/53$

-6.505 ± 0.187 $\chi^2/\text{NDF}: 1040.1/27$

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.902 ± 0.016 χ^2/NDF : 26054.0/15

Left Out: -22.247 ± 0.013 χ^2/NDF : 112896.9/9

Right Out: 20.928 ± 0.016 χ^2/NDF : 94015.9/18

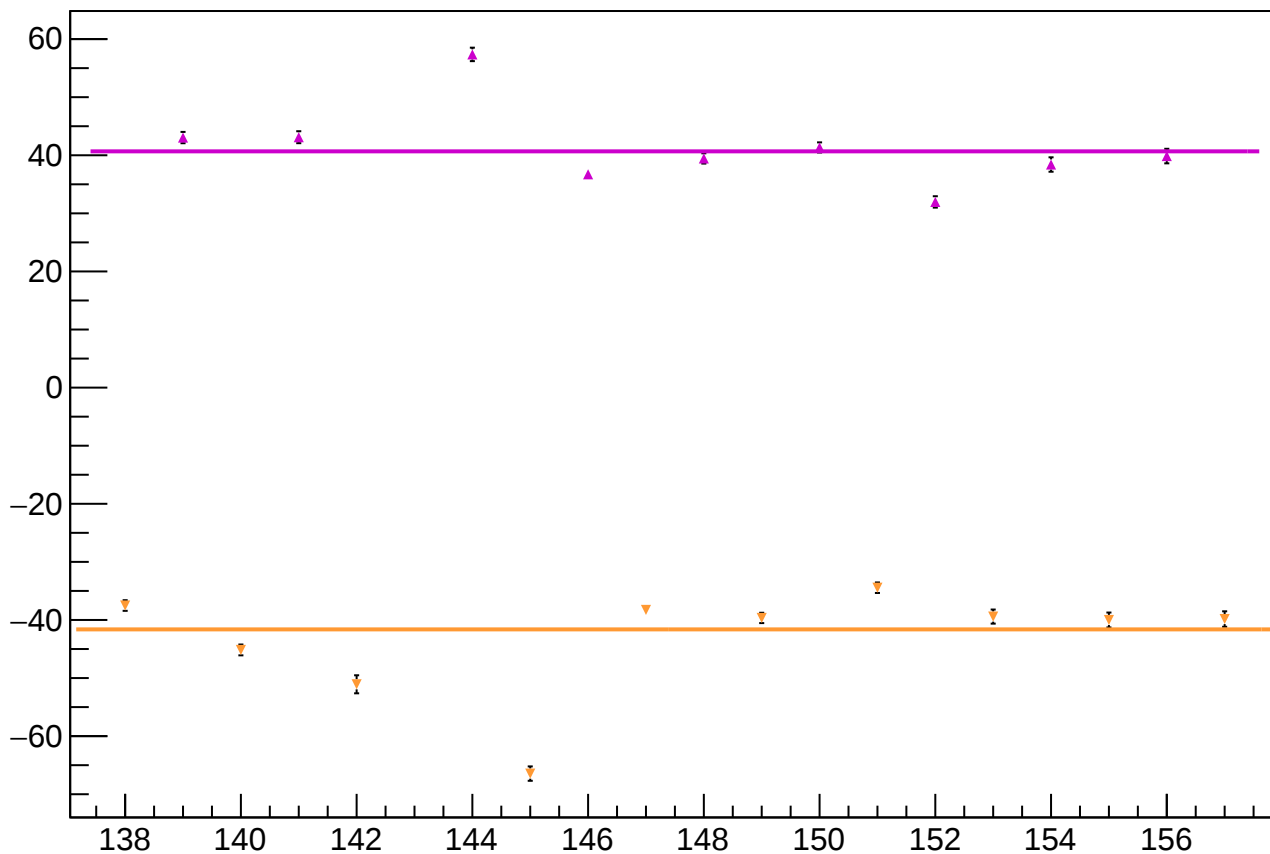
Left In: 21.906 ± 0.013 χ^2/NDF : 92604.4/8

-21.274 ± 0.010 χ^2/NDF : 152087.6/25

0.253 ± 0.007 χ^2/NDF : 9402573.7/53

21.508 ± 0.010 χ^2/NDF : 188921.2/27

reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -41.622+/-0.332 χ^2/NDF : 562.9/9

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

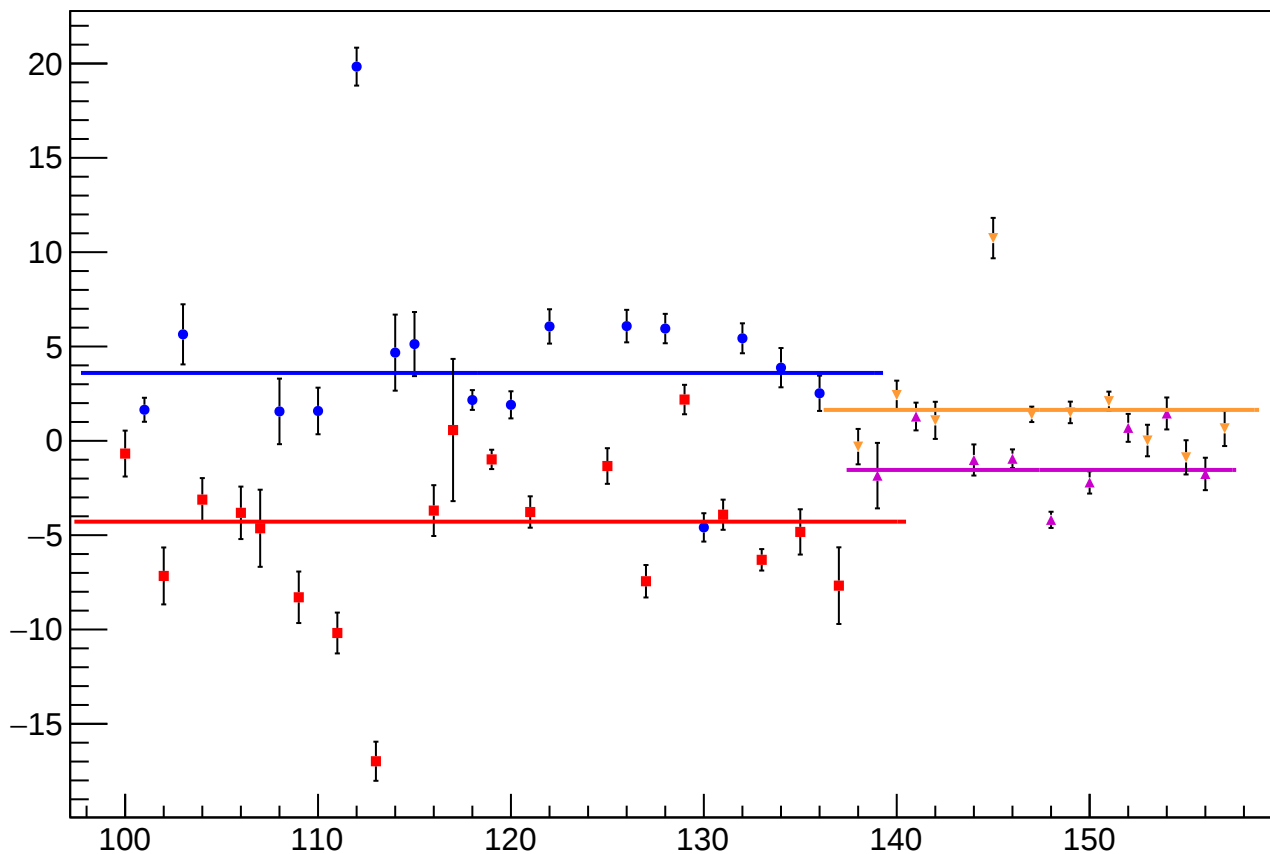
Left In: 40.675+/-0.333 χ^2/NDF : 325.4/8

-41.622+/-0.332 χ^2/NDF : 562.9/9

-0.596+/-0.235 χ^2/NDF : 31601.3/18

40.675+/-0.333 χ^2/NDF : 325.4/8

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.599 ± 0.220 χ^2/NDF : 440.3/15

Left Out: 1.640 ± 0.216 χ^2/NDF : 91.8/9

Right Out: -4.284 ± 0.221 χ^2/NDF : 353.8/18

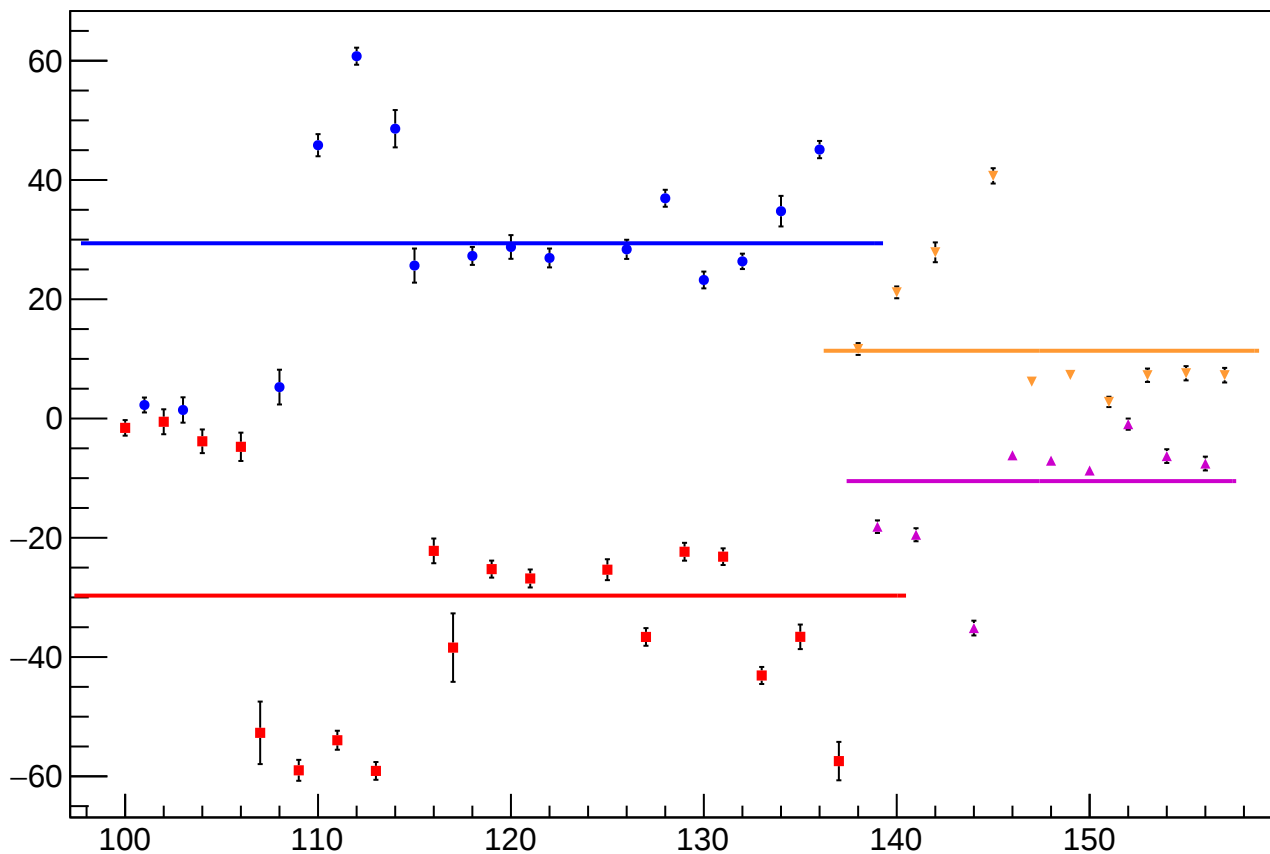
Left In: -1.543 ± 0.220 χ^2/NDF : 77.7/8

2.599 ± 0.154 χ^2/NDF : 572.5/25

-0.124 ± 0.110 χ^2/NDF : 1713.3/53

-2.912 ± 0.156 χ^2/NDF : 508.7/27

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.387 ± 0.419 $\chi^2/\text{NDF}: 1488.6/15$

Left Out: 11.363 ± 0.325 $\chi^2/\text{NDF}: 914.7/9$

Right Out: -29.695 ± 0.401 $\chi^2/\text{NDF}: 2133.3/18$

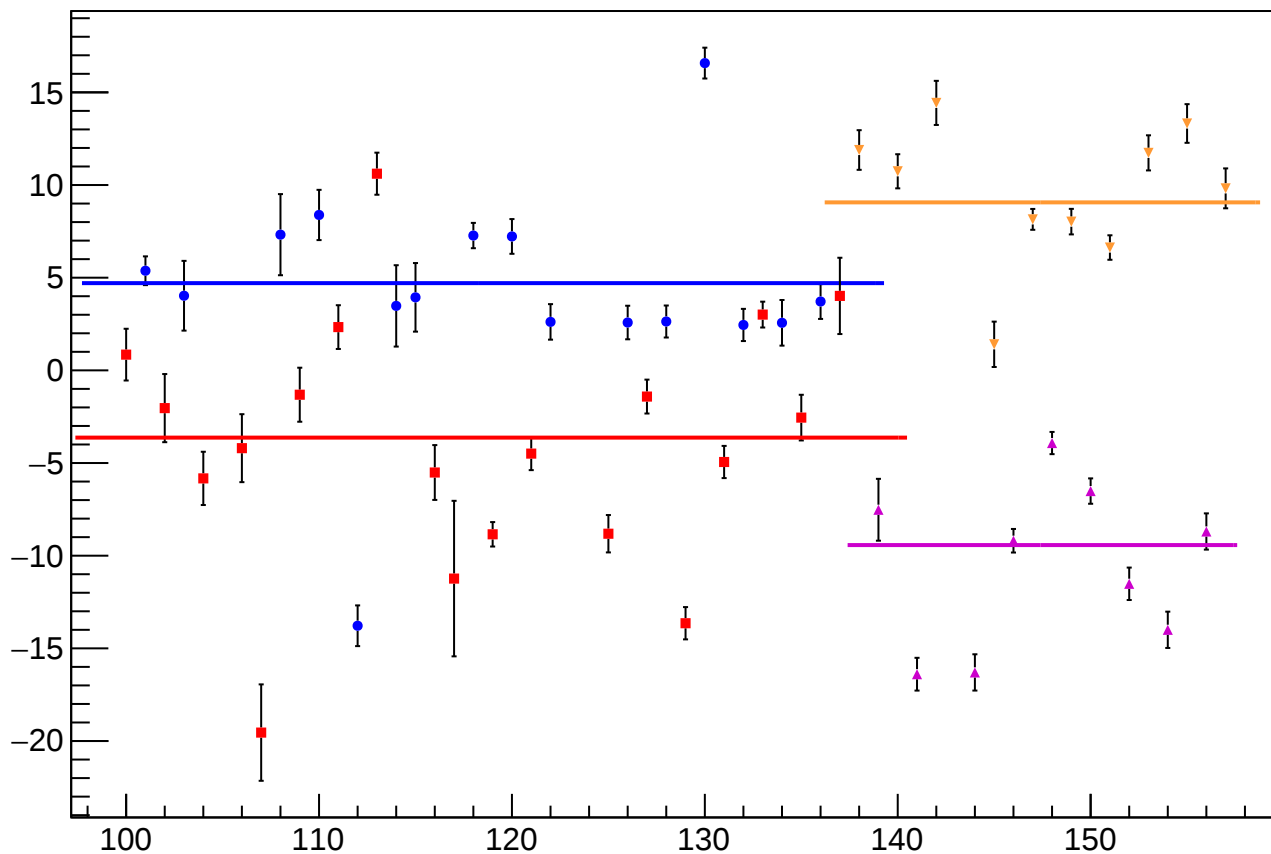
Left In: -10.495 ± 0.325 $\chi^2/\text{NDF}: 688.2/8$

18.122 ± 0.257 $\chi^2/\text{NDF}: 3558.4/25$

-0.287 ± 0.180 $\chi^2/\text{NDF}: 17877.4/53$

-18.093 ± 0.252 $\chi^2/\text{NDF}: 4204.2/27$

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.706 ± 0.254 $\chi^2/\text{NDF}: 545.2/15$

Left Out: 9.063 ± 0.268 $\chi^2/\text{NDF}: 113.4/9$

Right Out: -3.629 ± 0.254 $\chi^2/\text{NDF}: 576.7/18$

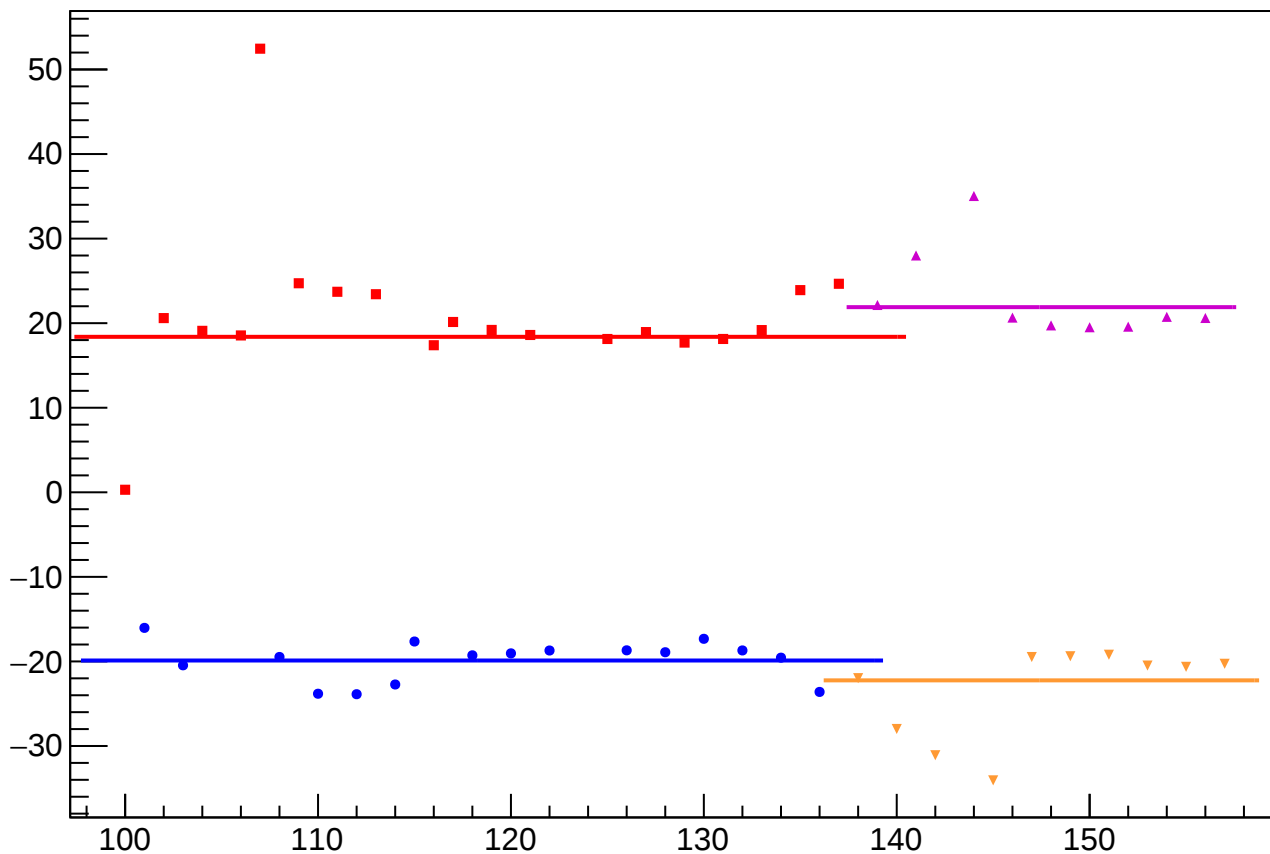
Left In: -9.427 ± 0.272 $\chi^2/\text{NDF}: 243.4/8$

6.763 ± 0.184 $\chi^2/\text{NDF}: 797.7/25$

0.263 ± 0.131 $\chi^2/\text{NDF}: 4360.3/53$

-6.320 ± 0.186 $\chi^2/\text{NDF}: 1062.8/27$

reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.890 ± 0.016 $\chi^2/\text{NDF}: 26044.4/15$

Left Out: -22.239 ± 0.013 $\chi^2/\text{NDF}: 112967.8/9$

Right Out: 18.386 ± 0.015 $\chi^2/\text{NDF}: 301044.3/18$

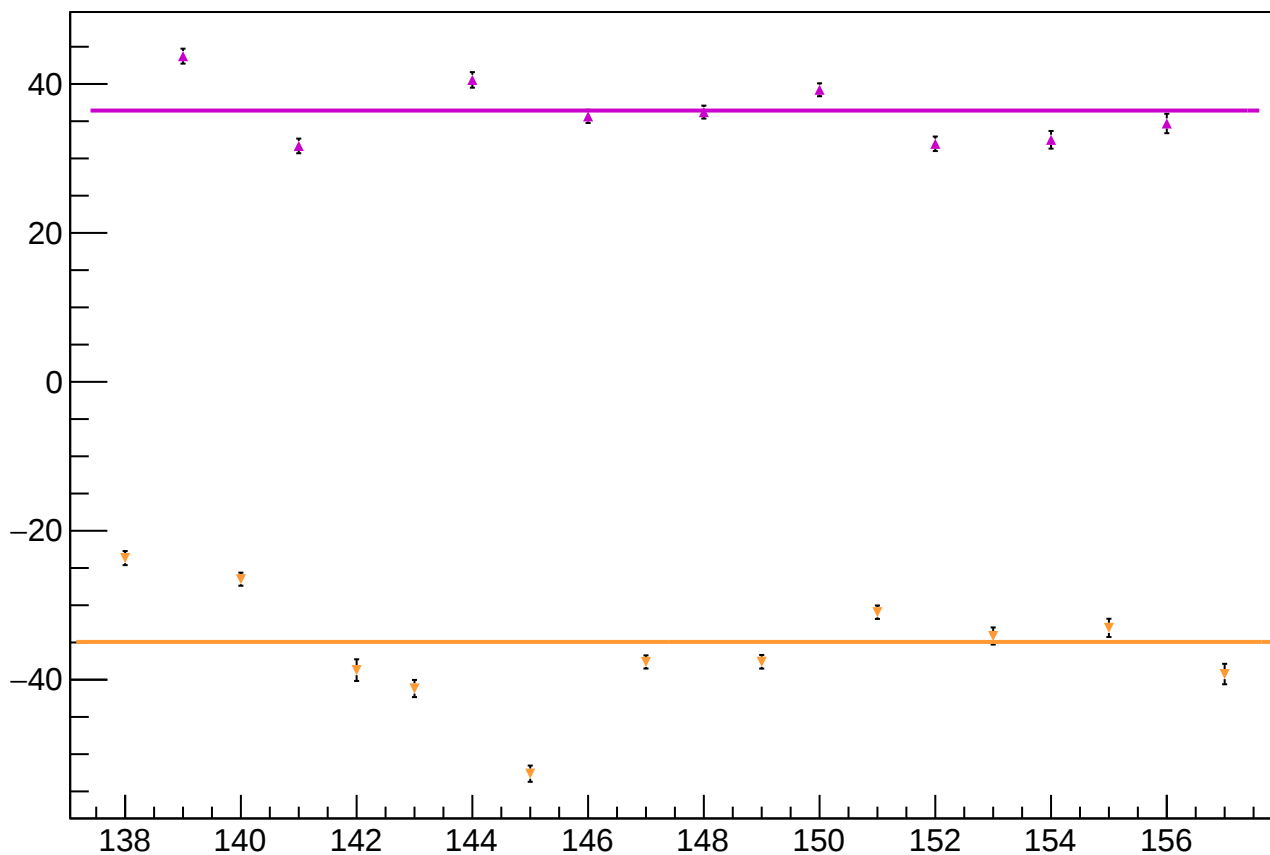
Left In: 21.895 ± 0.013 $\chi^2/\text{NDF}: 92557.1/8$

-21.264 ± 0.010 $\chi^2/\text{NDF}: 152206.0/25$

0.234 ± 0.007 $\chi^2/\text{NDF}: 9392099.6/53$

20.357 ± 0.010 $\chi^2/\text{NDF}: 425508.6/27$

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -34.927+/-0.314 χ^2/NDF : 584.3/10

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

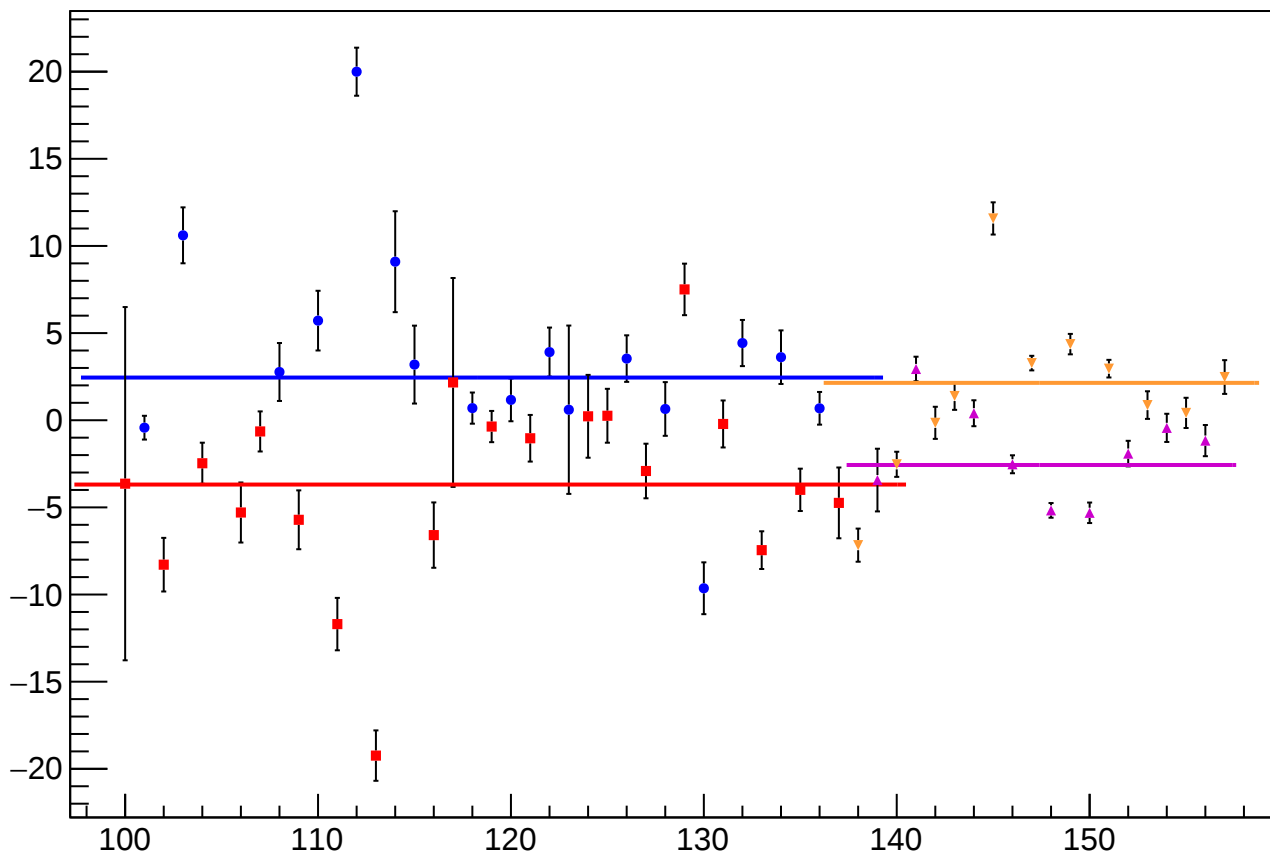
Left In: 36.431+/-0.329 χ^2/NDF : 136.6/8

-34.927+/-0.314 χ^2/NDF : 584.3/10

-0.967+/-0.227 χ^2/NDF : 25306.4/19

36.431+/-0.329 χ^2/NDF : 136.6/8

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.449 ± 0.314 χ^2/NDF : 295.3/16

Left Out: 2.144 ± 0.206 χ^2/NDF : 280.3/10

Right Out: -3.690 ± 0.326 χ^2/NDF : 270.4/19

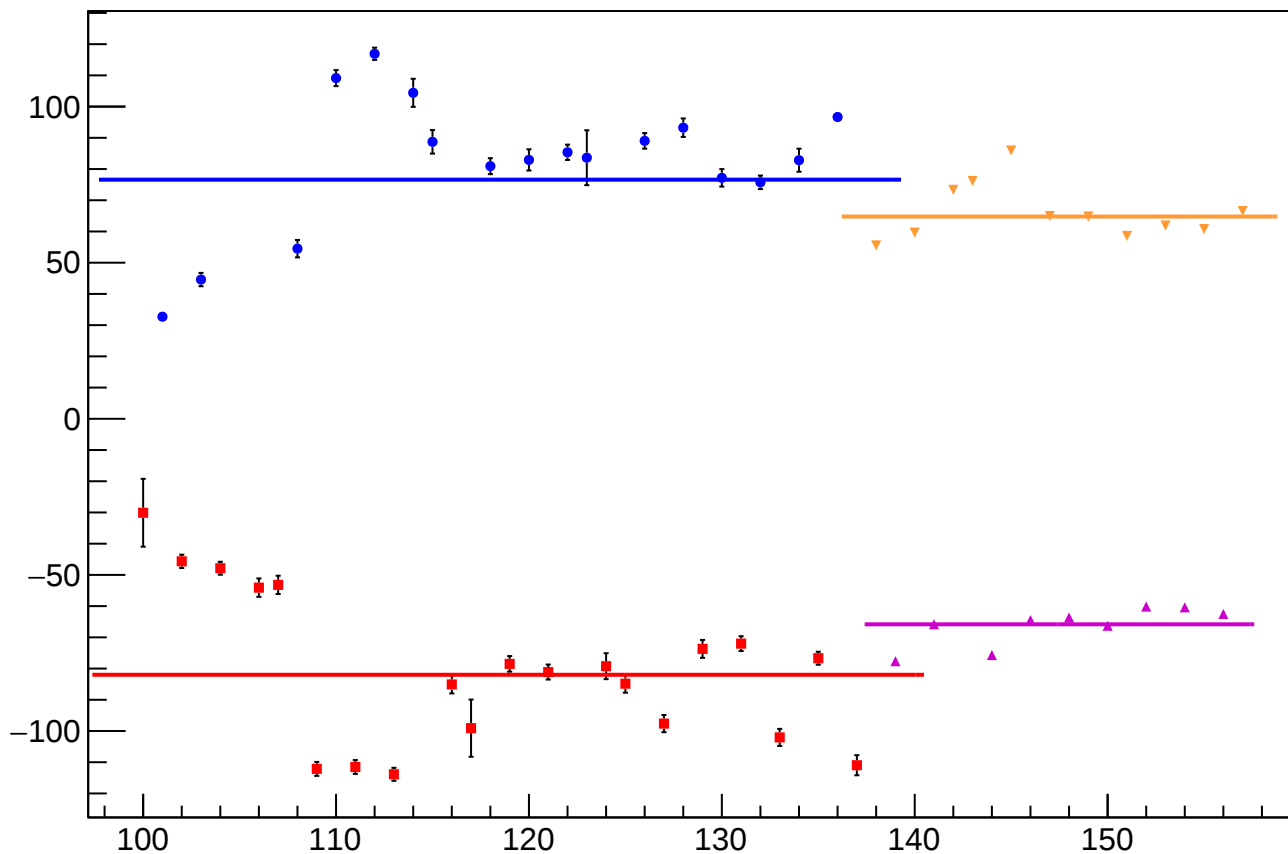
Left In: -2.568 ± 0.218 χ^2/NDF : 147.7/8

2.236 ± 0.173 χ^2/NDF : 576.2/27

-0.214 ± 0.125 χ^2/NDF : 1426.4/56

-2.914 ± 0.181 χ^2/NDF : 426.2/28

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.598+/-0.576 χ^2/NDF : 2255.1/16

Left Out: 64.788+/-0.310 χ^2/NDF : 647.0/10

Right Out: -81.987+/-0.591 χ^2/NDF : 1574.2/19

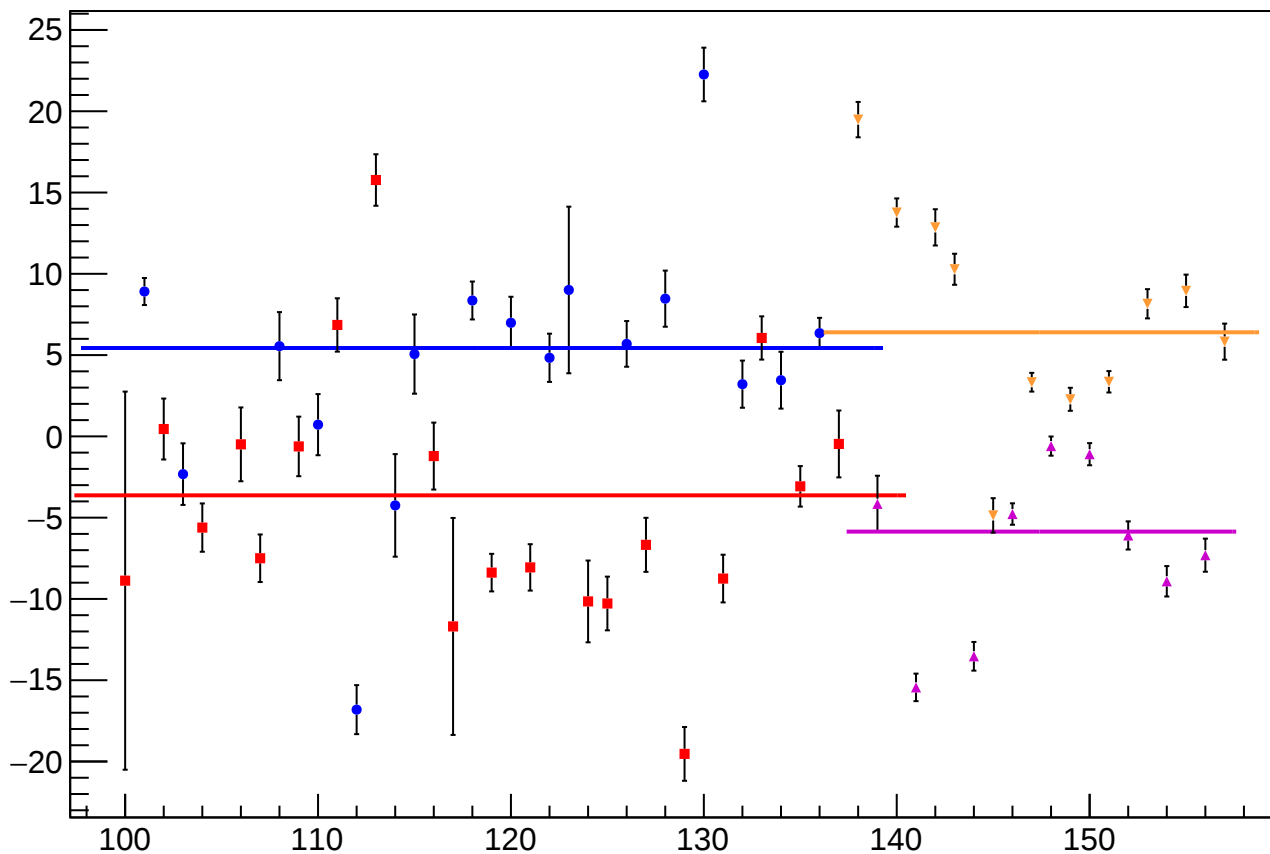
Left In: -65.826+/-0.322 χ^2/NDF : 274.6/8

67.441+/-0.273 χ^2/NDF : 3228.0/27

1.389+/-0.196 χ^2/NDF : 127016.8/56

-69.532+/-0.283 χ^2/NDF : 2425.5/28

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.436 $\pm$ 0.360 χ^2/NDF : 387.2/16

Left Out: 6.402 $\pm$ 0.255 χ^2/NDF : 473.9/10

Right Out: -3.628 $\pm$ 0.374 χ^2/NDF : 424.8/19

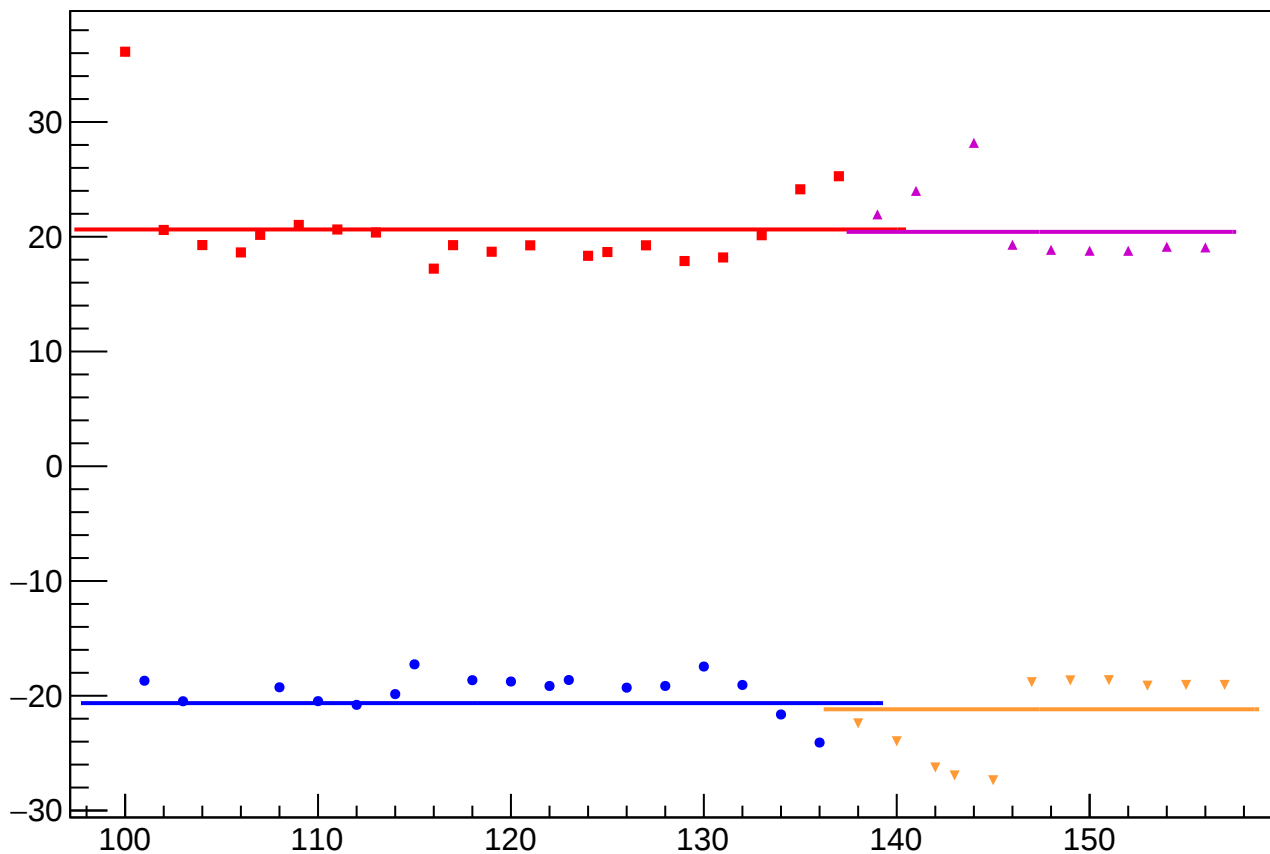
Left In: -5.859 $\pm$ 0.269 χ^2/NDF : 348.7/8

6.079 $\pm$ 0.208 χ^2/NDF : 865.9/27

0.759 $\pm$ 0.151 χ^2/NDF : 3031.9/56

-5.098 $\pm$ 0.219 χ^2/NDF : 796.9/28

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.642 ± 0.019 $\chi^2/\text{NDF}: 12431.5/16$

Left Out: -21.179 ± 0.013 $\chi^2/\text{NDF}: 65859.9/10$

Right Out: 20.635 ± 0.019 $\chi^2/\text{NDF}: 13794.0/19$

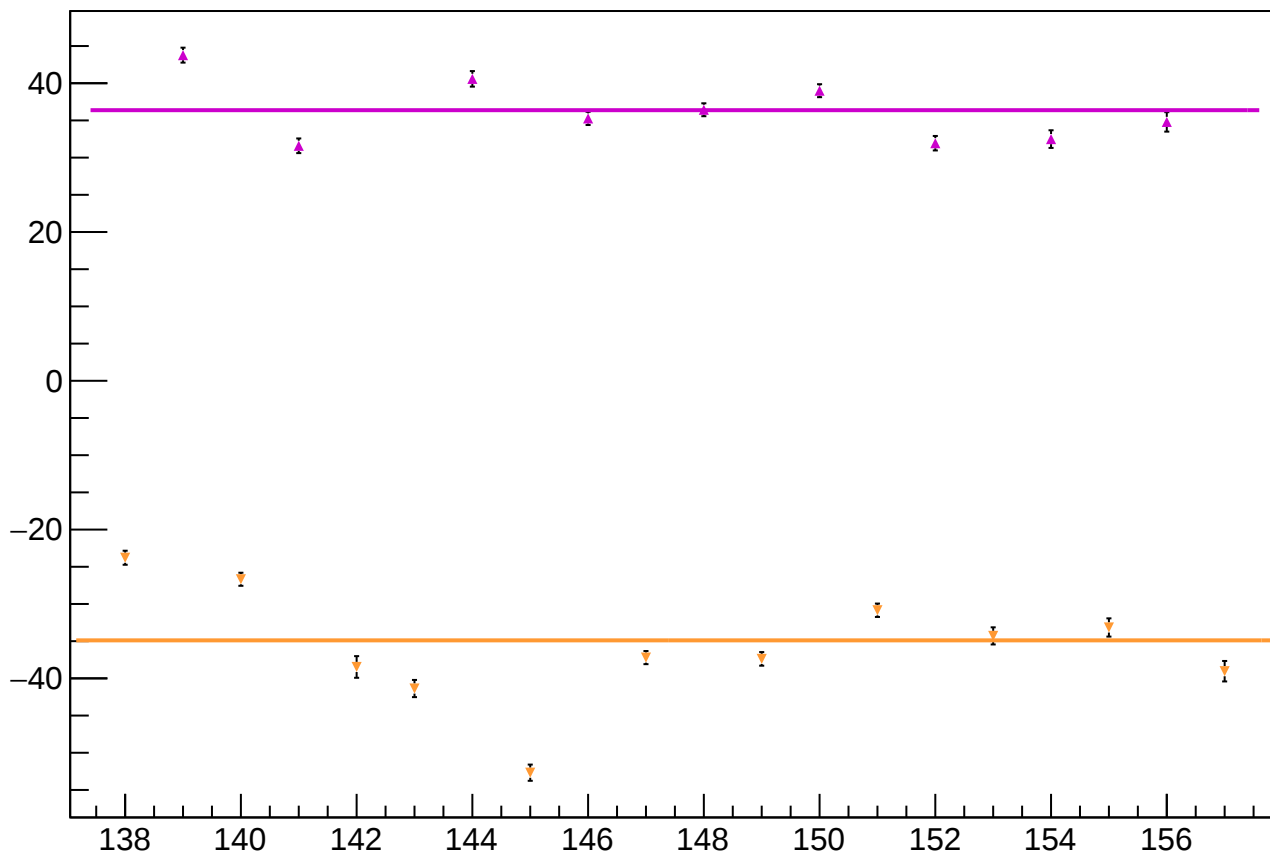
Left In: 20.426 ± 0.013 $\chi^2/\text{NDF}: 43194.7/8$

-21.020 ± 0.011 $\chi^2/\text{NDF}: 78833.8/27$

-0.724 ± 0.008 $\chi^2/\text{NDF}: 7737833.3/56$

20.490 ± 0.011 $\chi^2/\text{NDF}: 57069.1/28$

reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -34.891+/-0.314 χ^2/NDF : 575.1/10

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

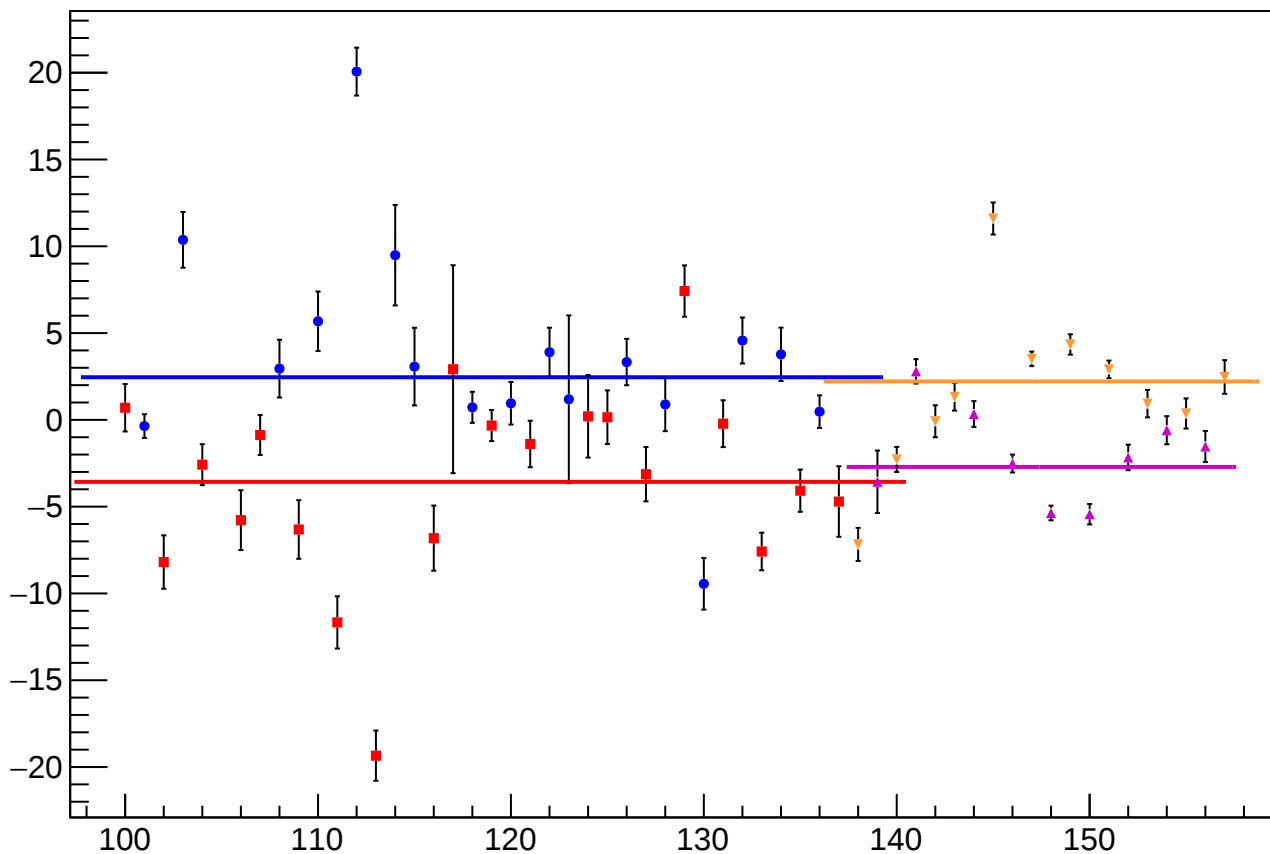
Left In: 36.377+/-0.330 χ^2/NDF : 137.5/8

-34.891+/-0.314 χ^2/NDF : 575.1/10

-0.977+/-0.227 χ^2/NDF : 25204.9/19

36.377+/-0.330 χ^2/NDF : 137.5/8

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.455 ± 0.315 χ^2/NDF : 293.5/16

Left Out: 2.213 ± 0.206 χ^2/NDF : 278.7/10

Right Out: -3.571 ± 0.317 χ^2/NDF : 281.0/19

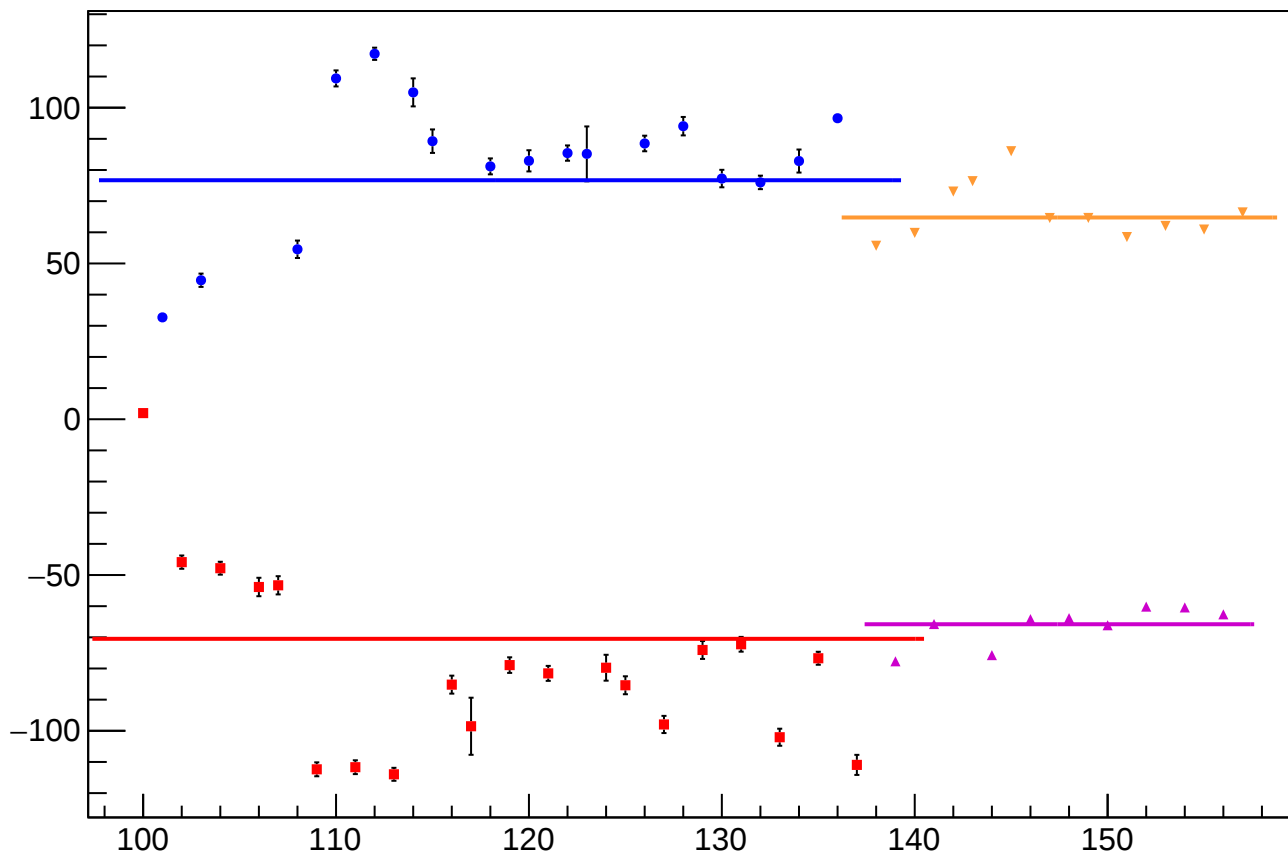
Left In: -2.711 ± 0.218 χ^2/NDF : 148.5/8

2.286 ± 0.173 χ^2/NDF : 572.6/27

-0.245 ± 0.124 χ^2/NDF : 1454.9/56

-2.987 ± 0.180 χ^2/NDF : 434.5/28

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.713 $\pm$ 0.576 χ^2 /NDF: 2266.6/16

Left Out: 64.758 $\pm$ 0.310 χ^2 /NDF: 646.5/10

Right Out: -70.477 $\pm$ 0.549 χ^2 /NDF: 4400.1/19

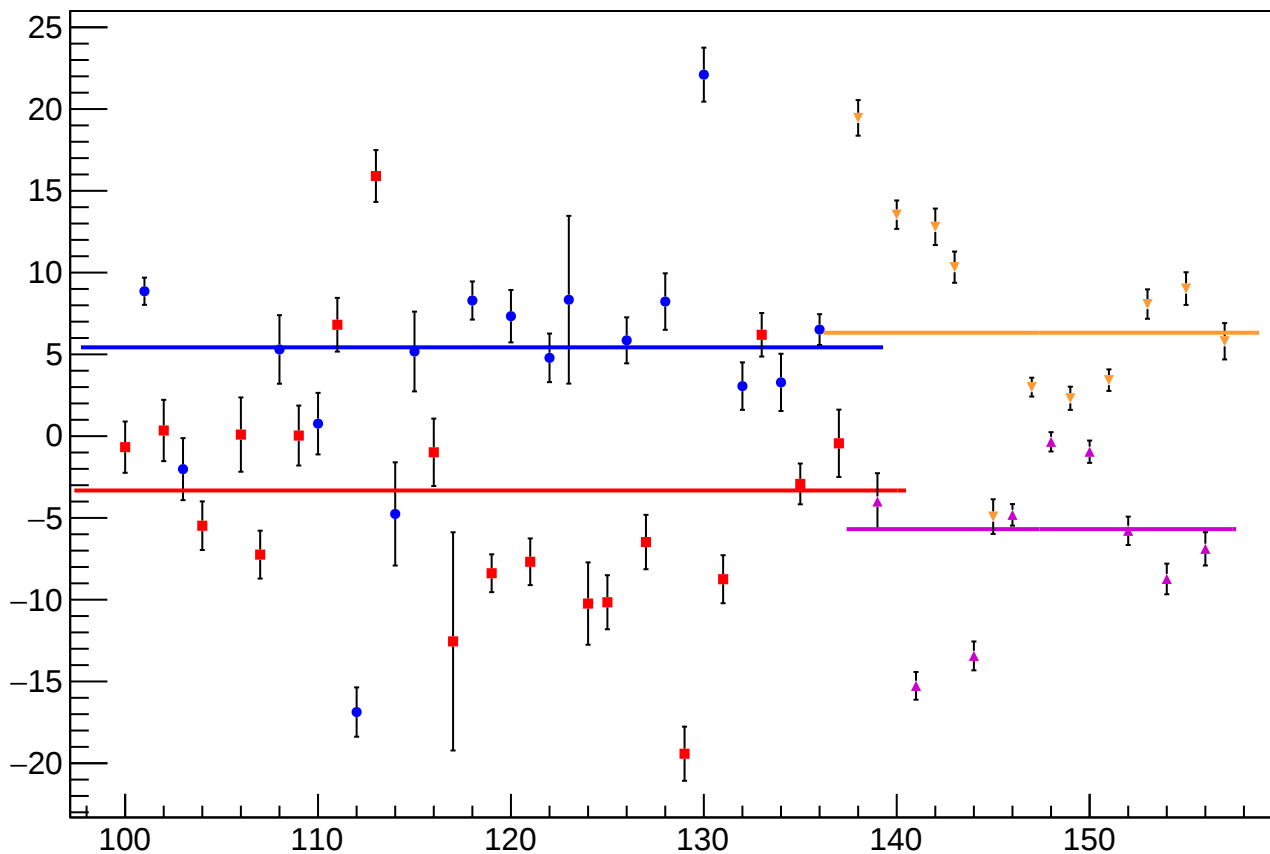
Left In: -65.797 $\pm$ 0.322 χ^2 /NDF: 275.2/8

67.444 $\pm$ 0.273 χ^2 /NDF: 3246.6/27

1.406 $\pm$ 0.195 χ^2 /NDF: 126929.7/56

-66.998 $\pm$ 0.278 χ^2 /NDF: 4729.3/28

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.430 $\pm$ 0.361 χ^2/NDF : 385.9/16

Left Out: 6.025 $\pm$ 0.209 χ^2/NDF : 864.4/27

6.025 $\pm$ 0.209 χ^2/NDF : 864.4/27

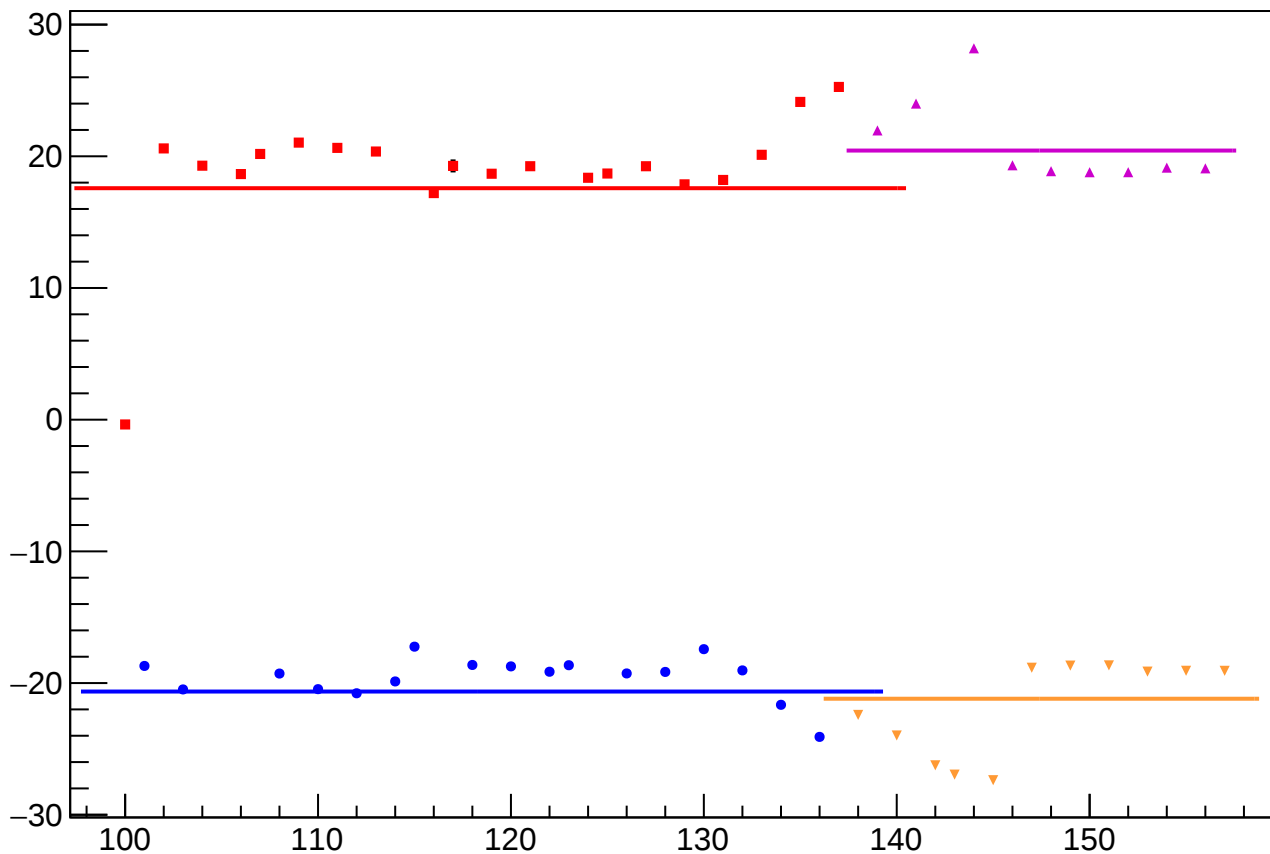
0.797 $\pm$ 0.150 χ^2/NDF : 2977.1/56

Right Out: -3.323 $\pm$ 0.365 χ^2/NDF : 428.0/19

-4.850 $\pm$ 0.217 χ^2/NDF : 805.2/28

Left In: -5.686 $\pm$ 0.270 χ^2/NDF : 350.0/8

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: -21.189±/-0.013 χ^2/NDF : 65702.6/10

Right Out: 17.577±/-0.018 χ^2/NDF : 178343.3/19

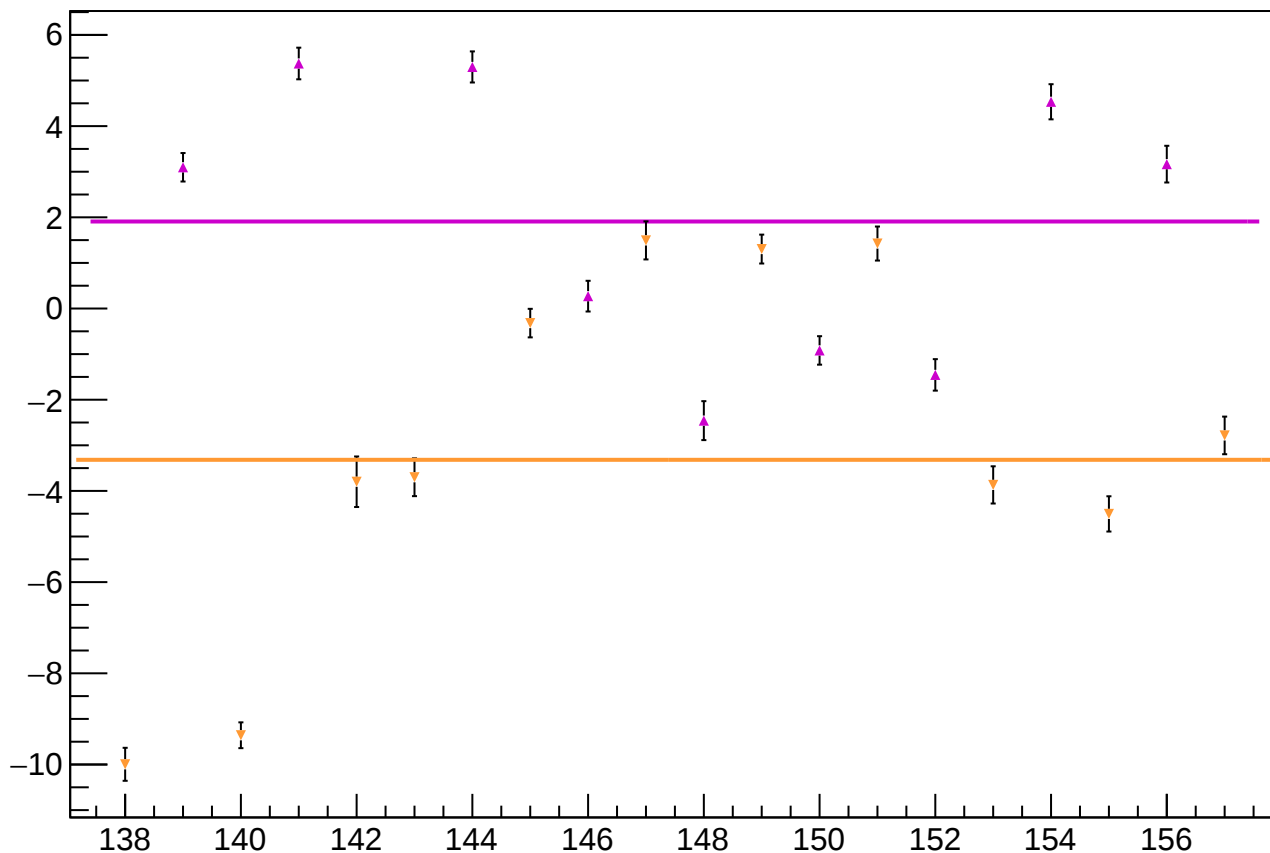
Left In: 20.436±/-0.013 χ^2/NDF : 43144.4/8

-21.027±/-0.011 χ^2/NDF : 78731.4/27

-0.732±/-0.007 χ^2/NDF : 7723342.4/56

19.464±/-0.011 χ^2/NDF : 238099.2/28

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -3.318+/-0.111 χ^2/NDF : 1410.2/10

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

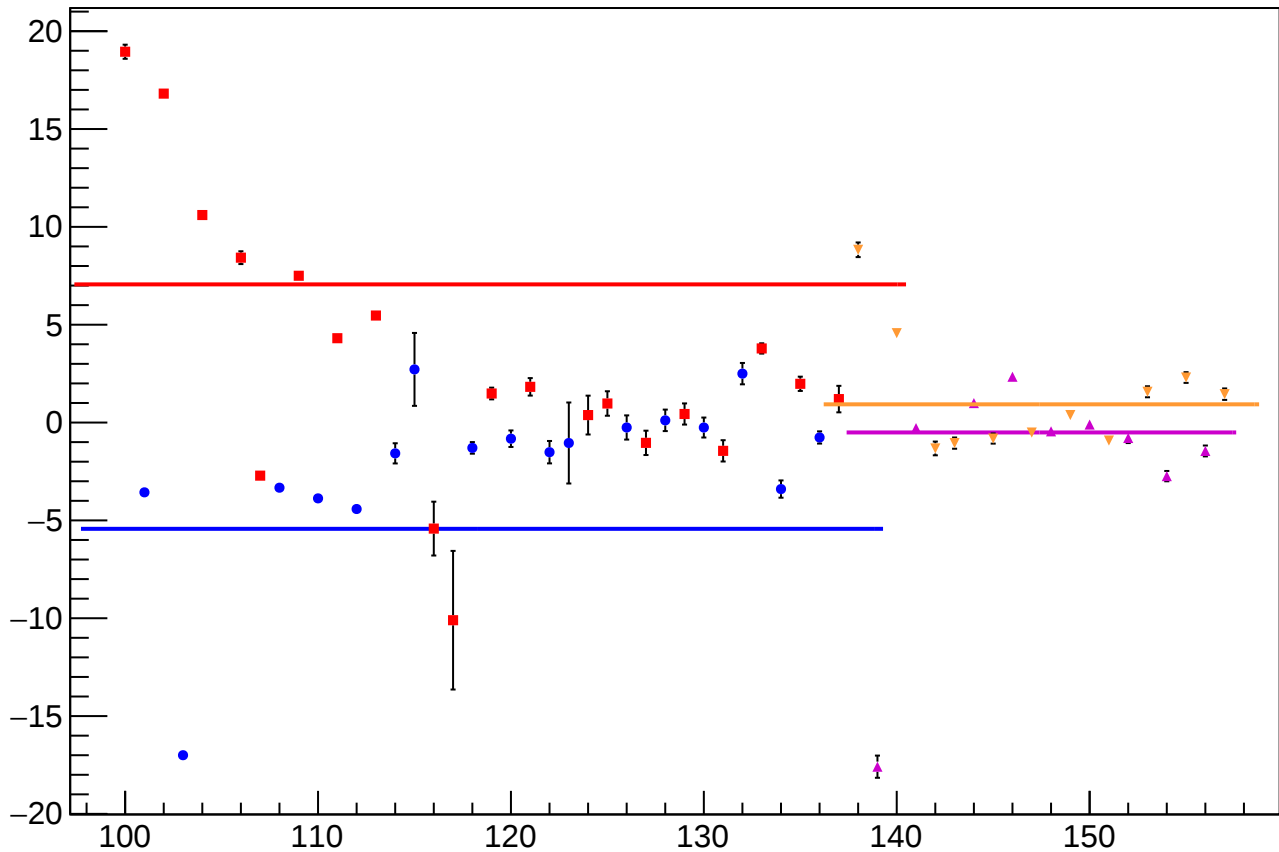
Left In: 1.908+/-0.117 χ^2/NDF : 574.5/8

-3.318+/-0.111 χ^2/NDF : 1410.2/10

-0.838+/-0.081 χ^2/NDF : 3032.7/19

1.908+/-0.117 χ^2/NDF : 574.5/8

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: 0.931 ± 0.077 χ^2/NDF : 980.0/10

Right Out: 7.061 ± 0.059 χ^2/NDF : 12330.1/19

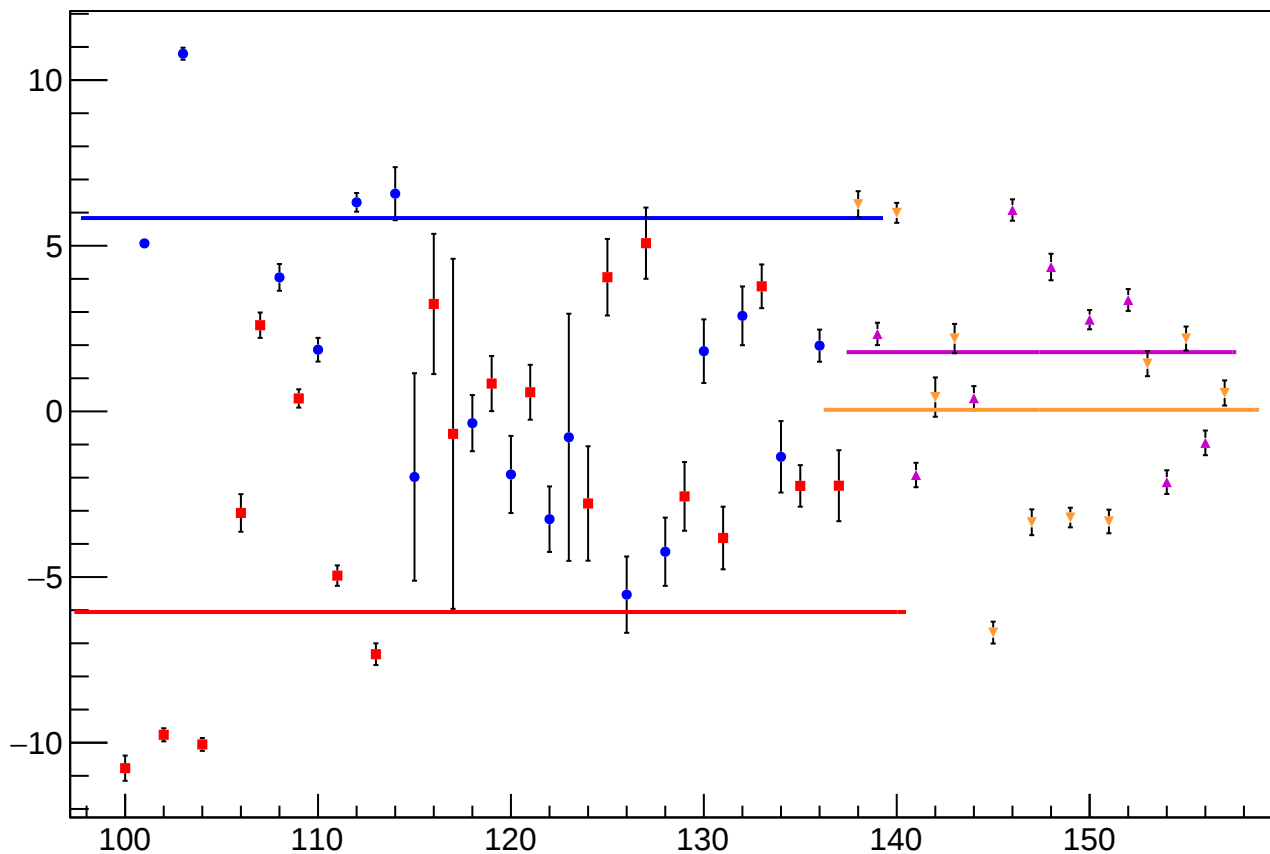
Left In: -0.506 ± 0.083 χ^2/NDF : 1210.8/8

-3.304 ± 0.045 χ^2/NDF : 14708.5/27

0.328 ± 0.033 χ^2/NDF : 47948.2/56

4.525 ± 0.048 χ^2/NDF : 19049.6/28

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: 0.048 ± 0.110 $\chi^2/\text{NDF}: 1413.8/10$

Right Out: -6.056 ± 0.093 $\chi^2/\text{NDF}: 2669.9/19$

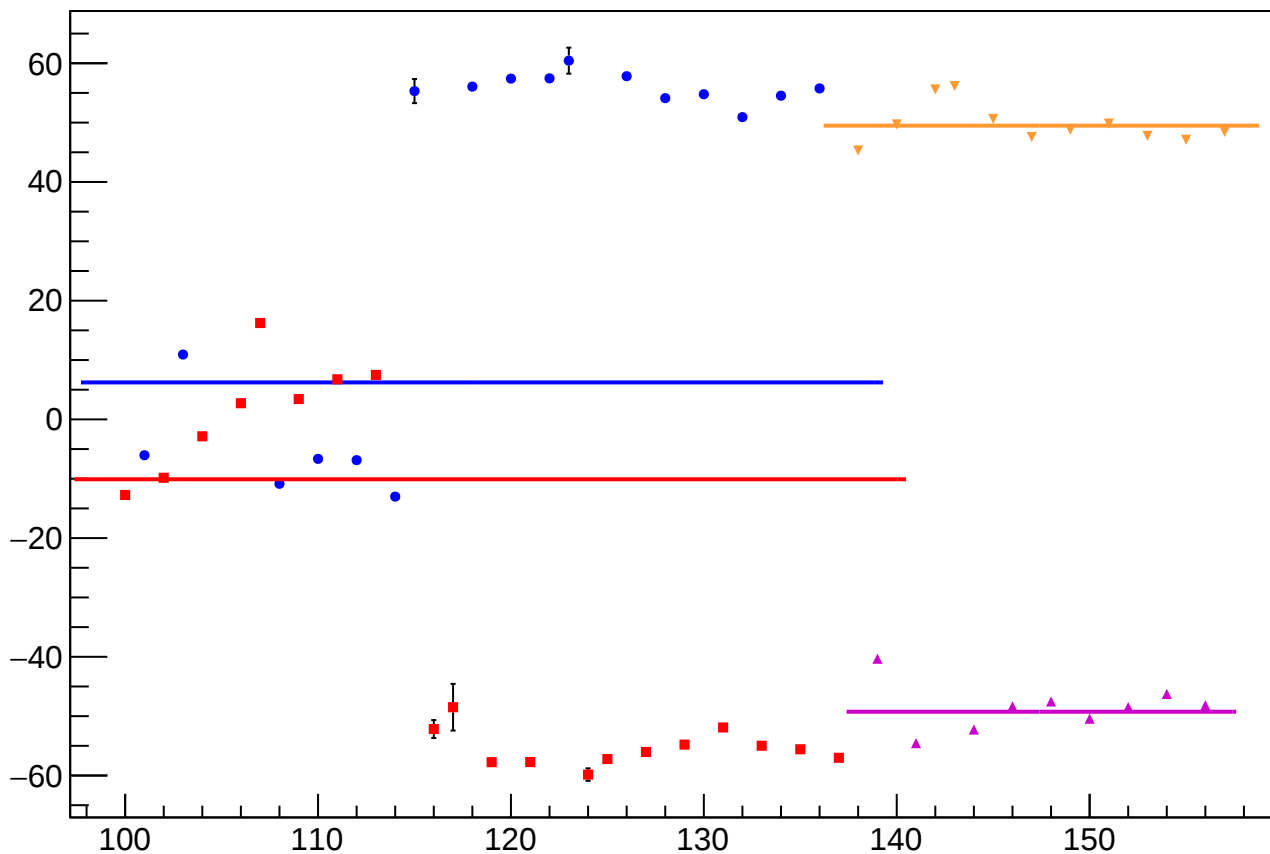
Left In: 1.789 ± 0.115 $\chi^2/\text{NDF}: 543.7/8$

3.536 ± 0.070 $\chi^2/\text{NDF}: 4511.2/27$

0.427 ± 0.050 $\chi^2/\text{NDF}: 14686.3/56$

-2.949 ± 0.073 $\chi^2/\text{NDF}: 6012.8/28$

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.226 ± 0.065 $\chi^2/\text{NDF}: 120955.1/16$

Left Out: 49.486 ± 0.094 $\chi^2/\text{NDF}: 850.7/10$

Right Out: -10.087 ± 0.070 $\chi^2/\text{NDF}: 122144.7/19$

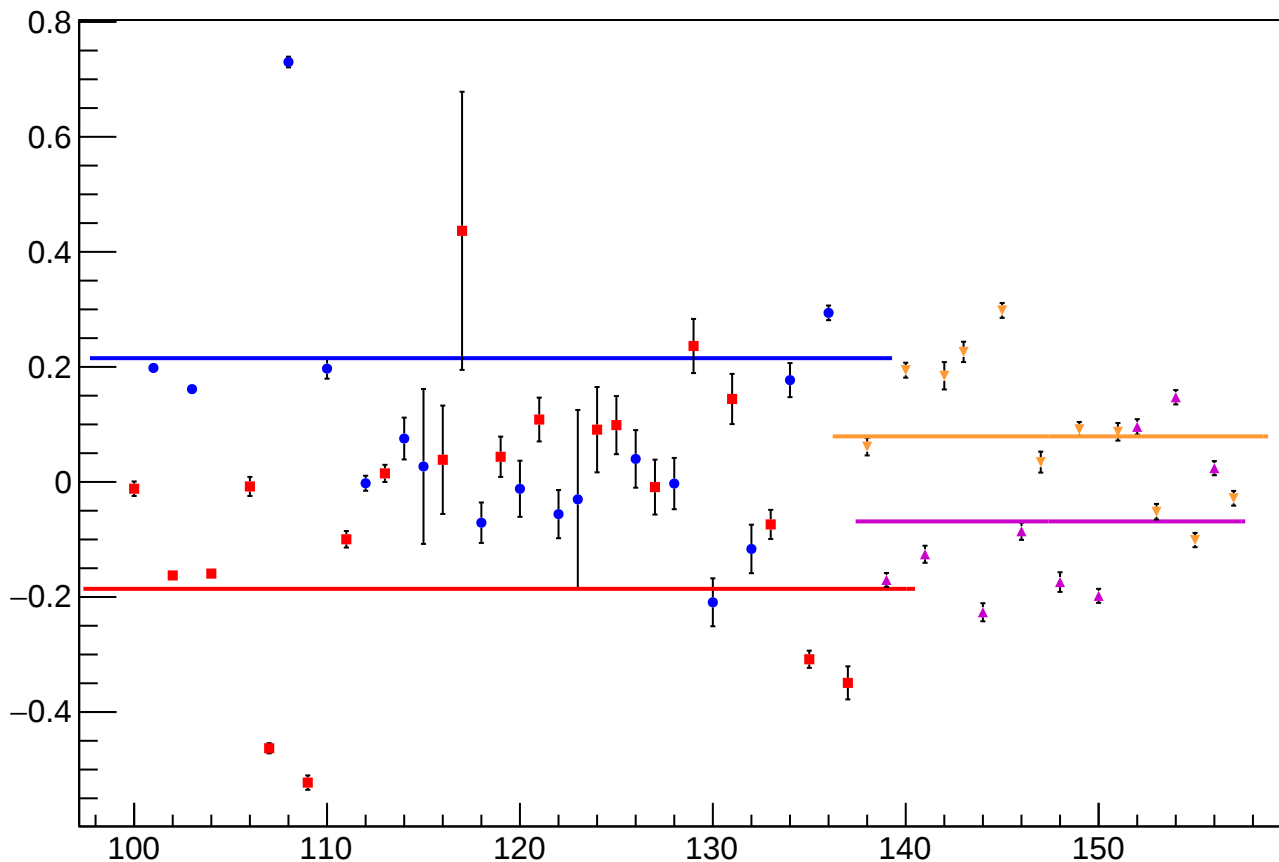
Left In: -49.255 ± 0.100 $\chi^2/\text{NDF}: 873.5/8$

20.263 ± 0.053 $\chi^2/\text{NDF}: 266284.0/27$

0.166 ± 0.039 $\chi^2/\text{NDF}: 798790.1/56$

-22.948 ± 0.057 $\chi^2/\text{NDF}: 226633.1/28$

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215 ± 0.003 $\chi^2/\text{NDF}: 3925.9/16$

Left Out: 0.079 ± 0.004 $\chi^2/\text{NDF}: 834.9/10$

Right Out: -0.186 ± 0.003 $\chi^2/\text{NDF}: 2724.7/19$

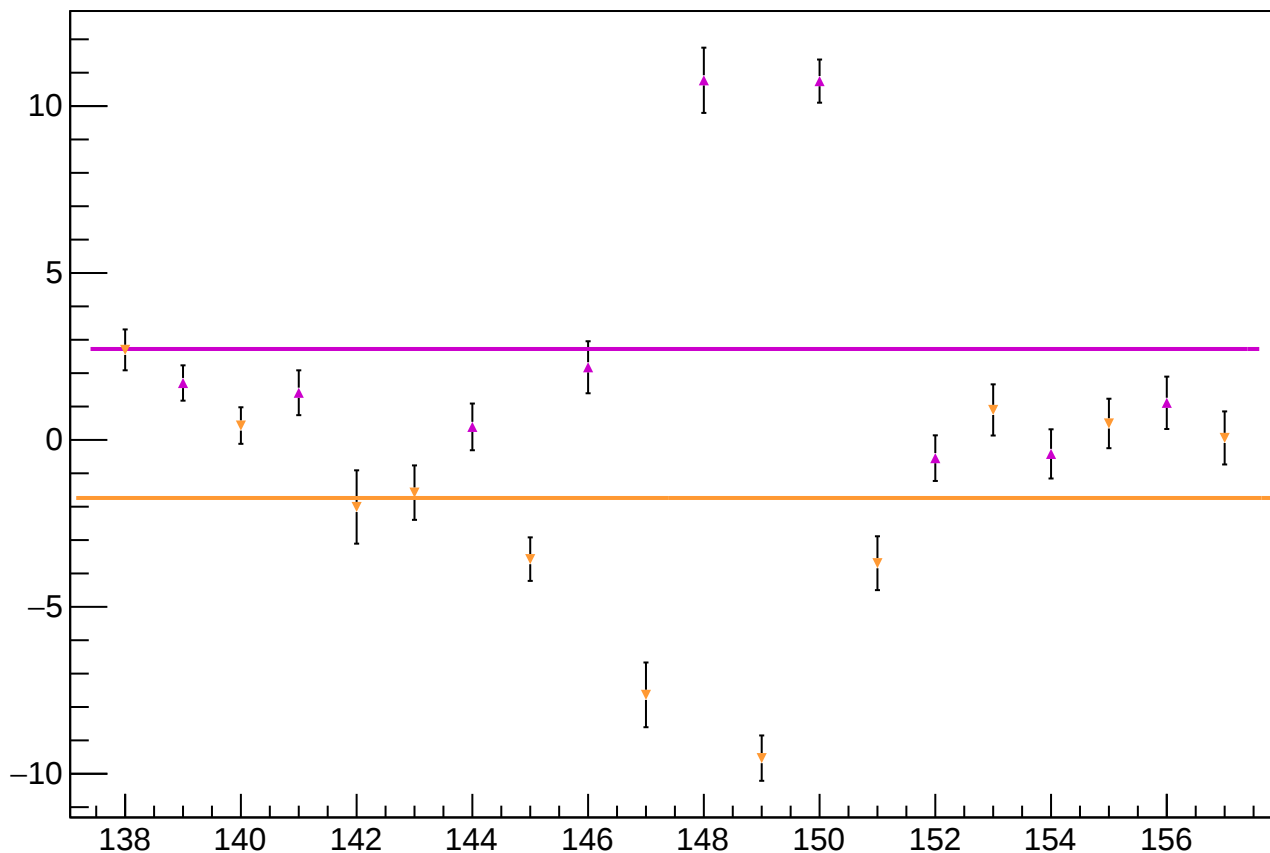
Left In: -0.069 ± 0.005 $\chi^2/\text{NDF}: 841.6/8$

0.176 ± 0.002 $\chi^2/\text{NDF}: 5452.3/27$

0.009 ± 0.002 $\chi^2/\text{NDF}: 19675.9/56$

-0.155 ± 0.002 $\chi^2/\text{NDF}: 4060.5/28$

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -1.739+/-0.221 χ^2/NDF : 276.8/10

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

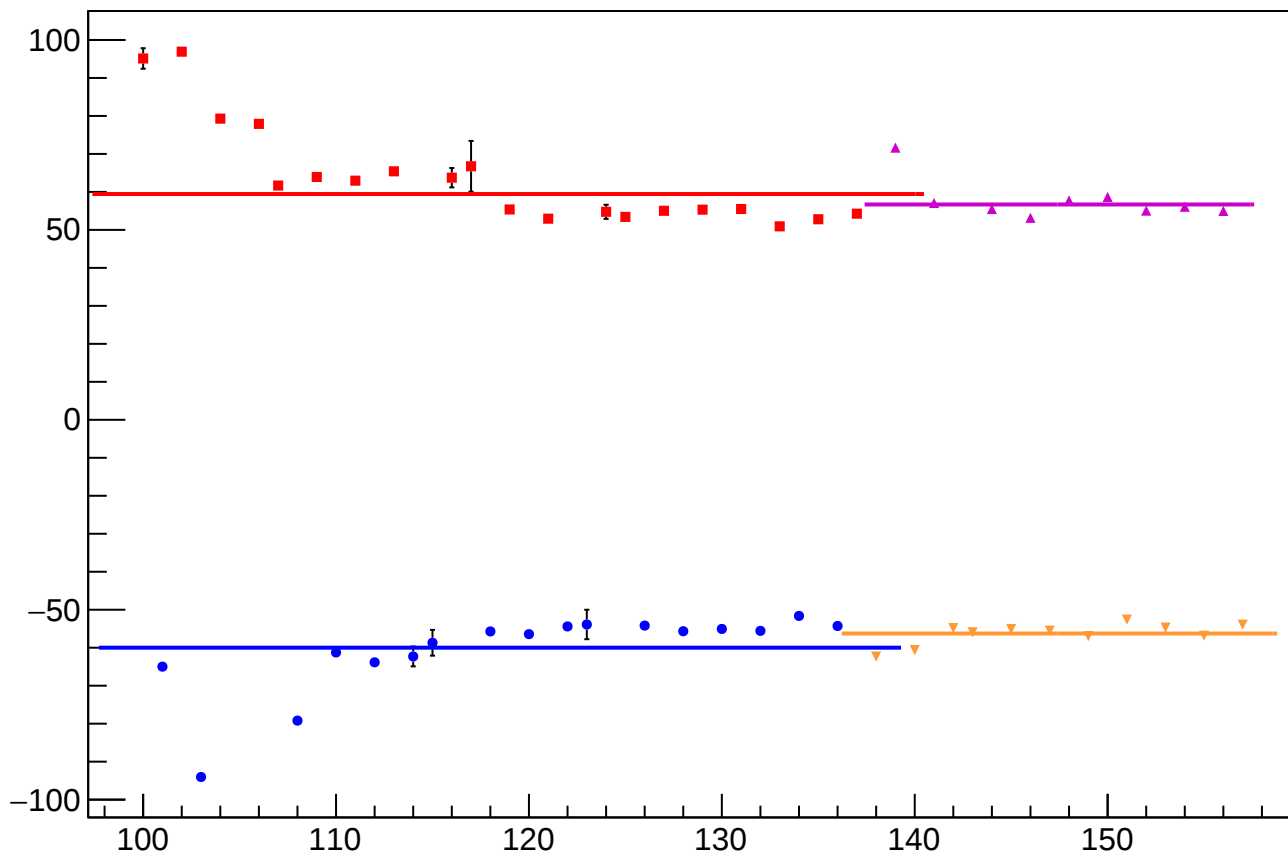
Left In: 2.724+/-0.232 χ^2/NDF : 286.3/8

-1.739+/-0.221 χ^2/NDF : 276.8/10

0.376+/-0.160 χ^2/NDF : 757.3/19

2.724+/-0.232 χ^2/NDF : 286.3/8

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -59.992 ± 0.225 χ^2/NDF : 1972.9/16

Left Out: -56.267 ± 0.158 χ^2/NDF : 270.2/10

Right Out: 59.442 ± 0.212 χ^2/NDF : 2919.1/19

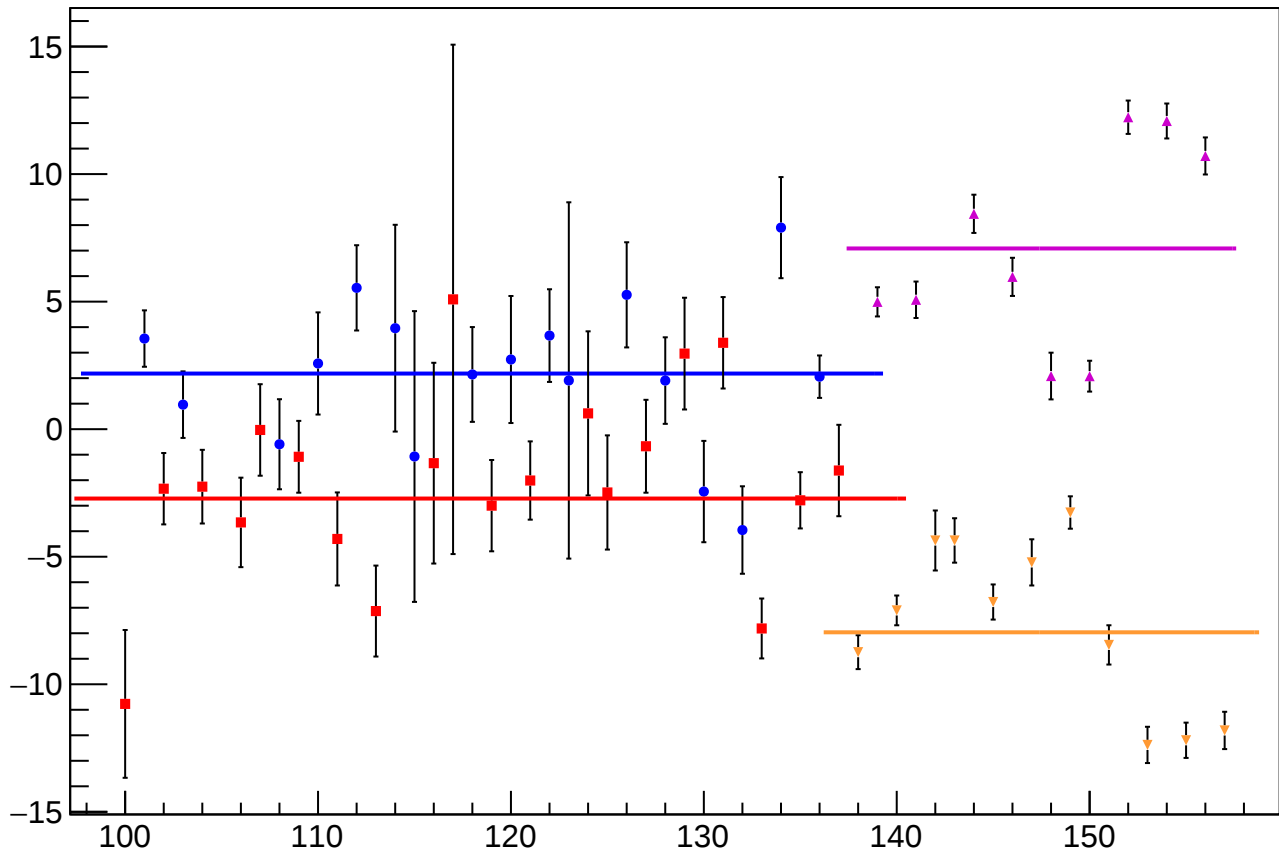
Left In: 56.691 ± 0.172 χ^2/NDF : 345.9/8

-57.502 ± 0.130 χ^2/NDF : 2426.4/27

-1.625 ± 0.093 χ^2/NDF : 389651.6/56

57.785 ± 0.134 χ^2/NDF : 3366.5/28

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.181 ± 0.406 $\chi^2/\text{NDF}: 39.0/16$

Left Out: -7.963 ± 0.220 $\chi^2/\text{NDF}: 200.9/10$

Right Out: -2.719 ± 0.388 $\chi^2/\text{NDF}: 59.5/19$

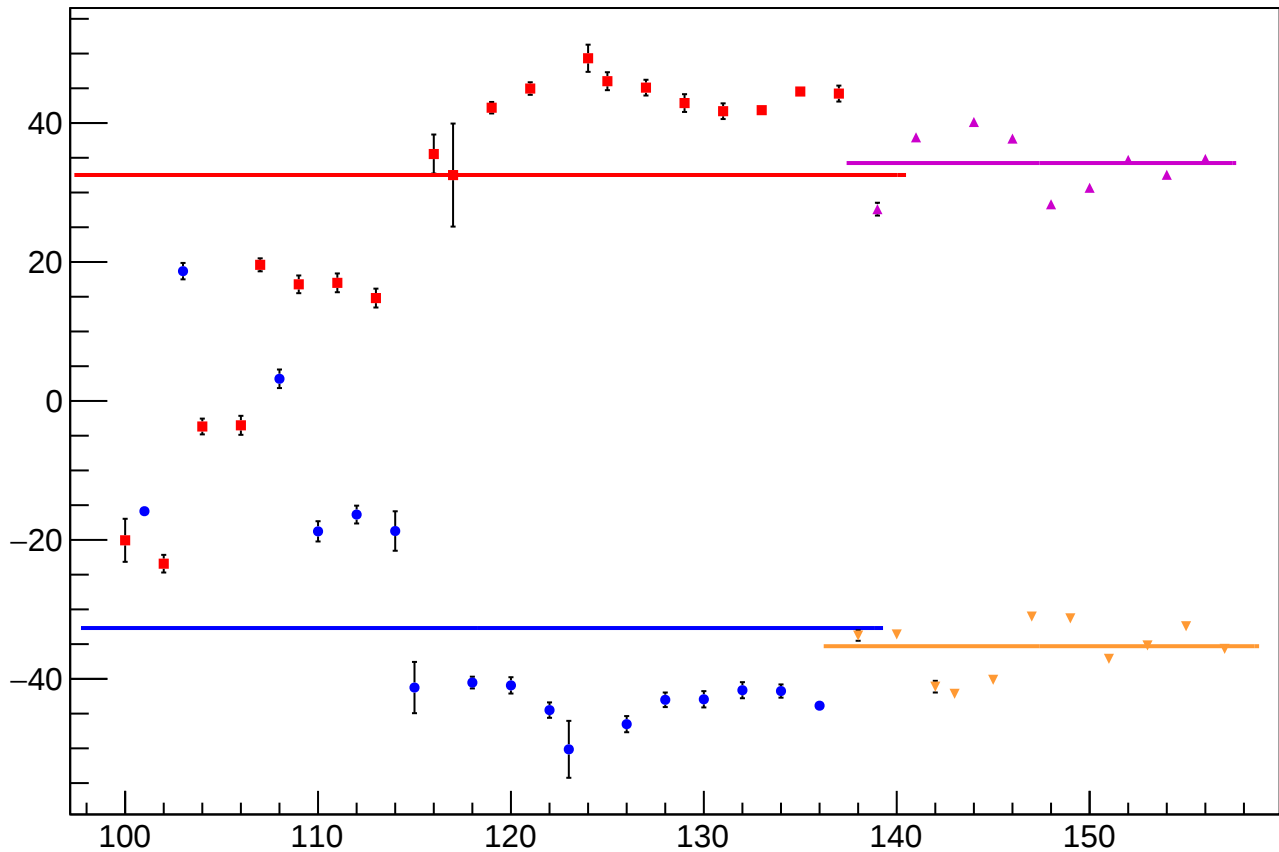
Left In: 7.084 ± 0.230 $\chi^2/\text{NDF}: 265.2/8$

-5.659 ± 0.193 $\chi^2/\text{NDF}: 723.3/27$

-0.684 ± 0.138 $\chi^2/\text{NDF}: 2877.1/56$

4.529 ± 0.198 $\chi^2/\text{NDF}: 797.6/28$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.682 ± 0.256 $\chi^2/\text{NDF}: 4646.9/16$

Left Out: -35.299 ± 0.190 $\chi^2/\text{NDF}: 357.6/10$

Right Out: 32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/19$

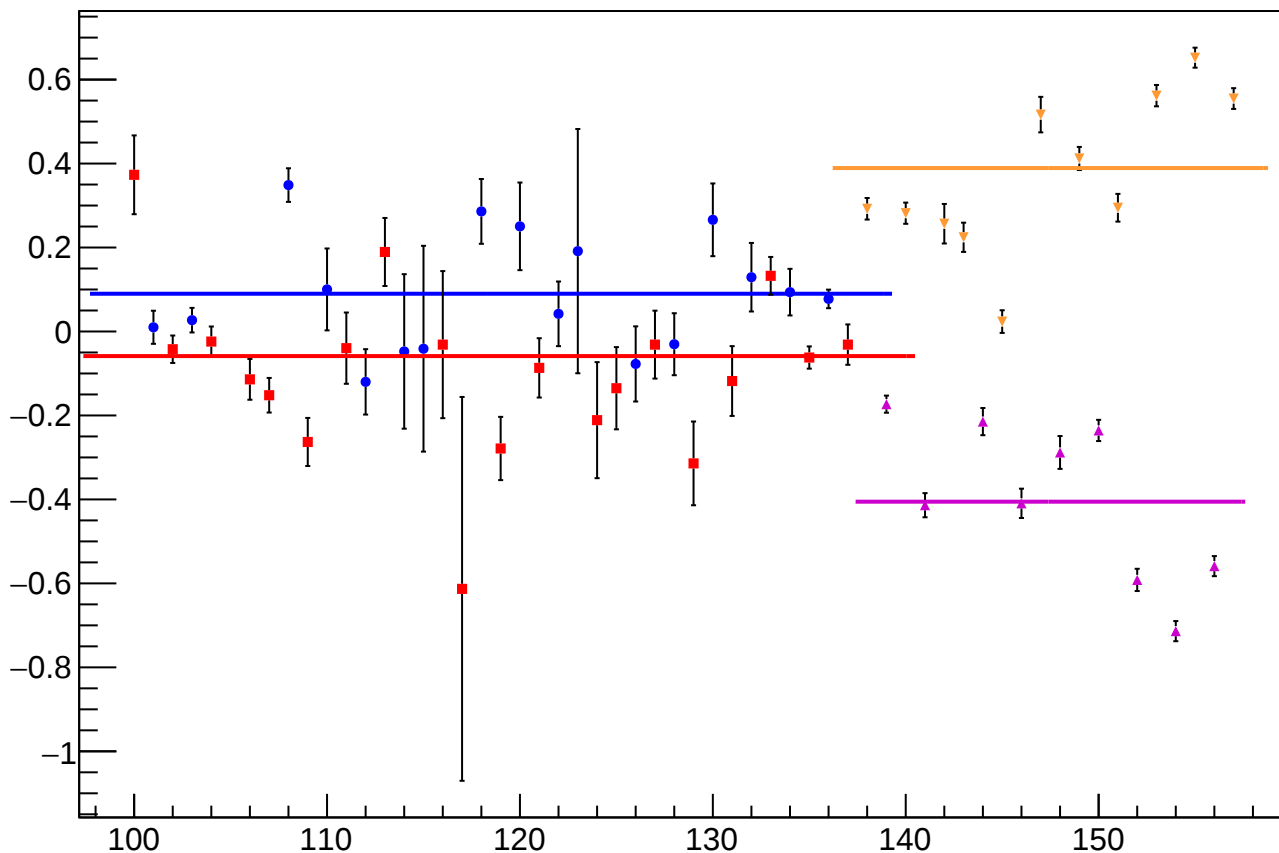
Left In: 34.244 ± 0.204 $\chi^2/\text{NDF}: 360.8/8$

-34.371 ± 0.152 $\chi^2/\text{NDF}: 5072.0/27$

-1.353 ± 0.109 $\chi^2/\text{NDF}: 108136.8/56$

33.534 ± 0.157 $\chi^2/\text{NDF}: 6435.4/28$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.090 ± 0.013 χ^2/NDF : 78.8/16

Left Out: 0.389 ± 0.009 χ^2/NDF : 477.0/10

Right Out: -0.059 ± 0.012 χ^2/NDF : 88.6/19

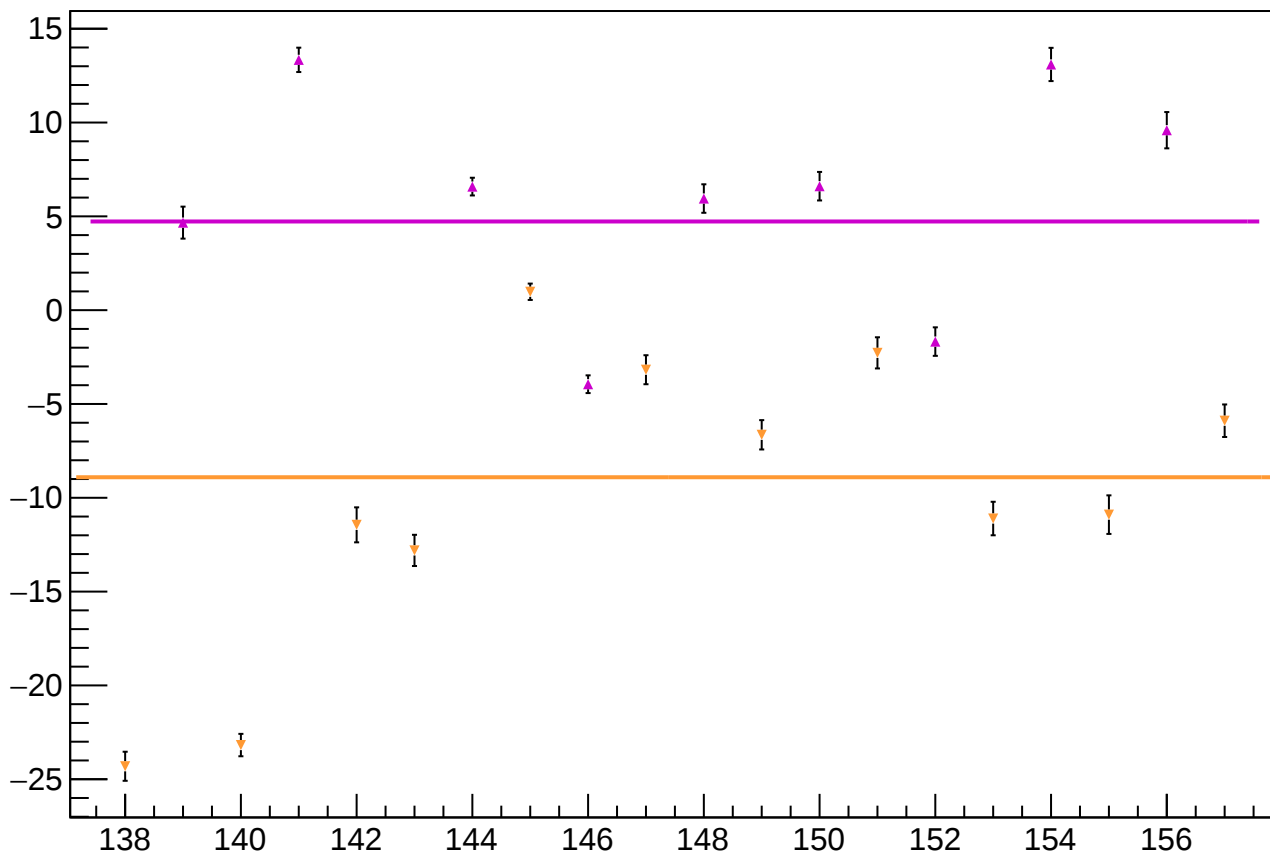
Left In: -0.405 ± 0.009 χ^2/NDF : 474.8/8

0.295 ± 0.007 χ^2/NDF : 934.6/27

0.008 ± 0.005 χ^2/NDF : 5290.5/56

-0.284 ± 0.007 χ^2/NDF : 1091.3/28

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -8.905+/-0.220 χ^2/NDF : 1660.0/10

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

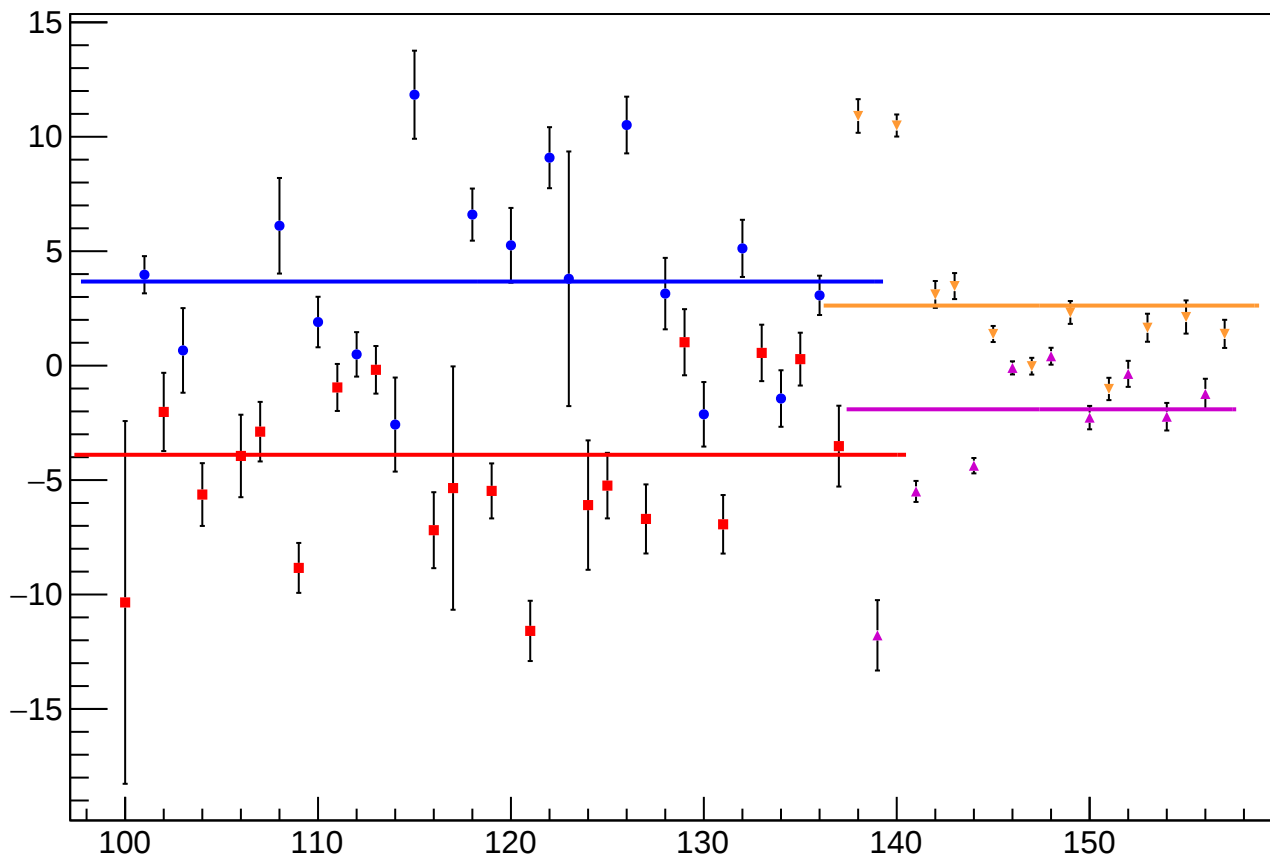
Left In: 4.726+/-0.222 χ^2/NDF : 722.6/8

-8.905+/-0.220 χ^2/NDF : 1660.0/10

-2.151+/-0.156 χ^2/NDF : 4281.4/19

4.726+/-0.222 χ^2/NDF : 722.6/8

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.675 ± 0.310 χ^2/NDF : 135.2/16

Left Out: 2.625 ± 0.152 χ^2/NDF : 524.1/10

Right Out: -3.895 ± 0.316 χ^2/NDF : 133.8/19

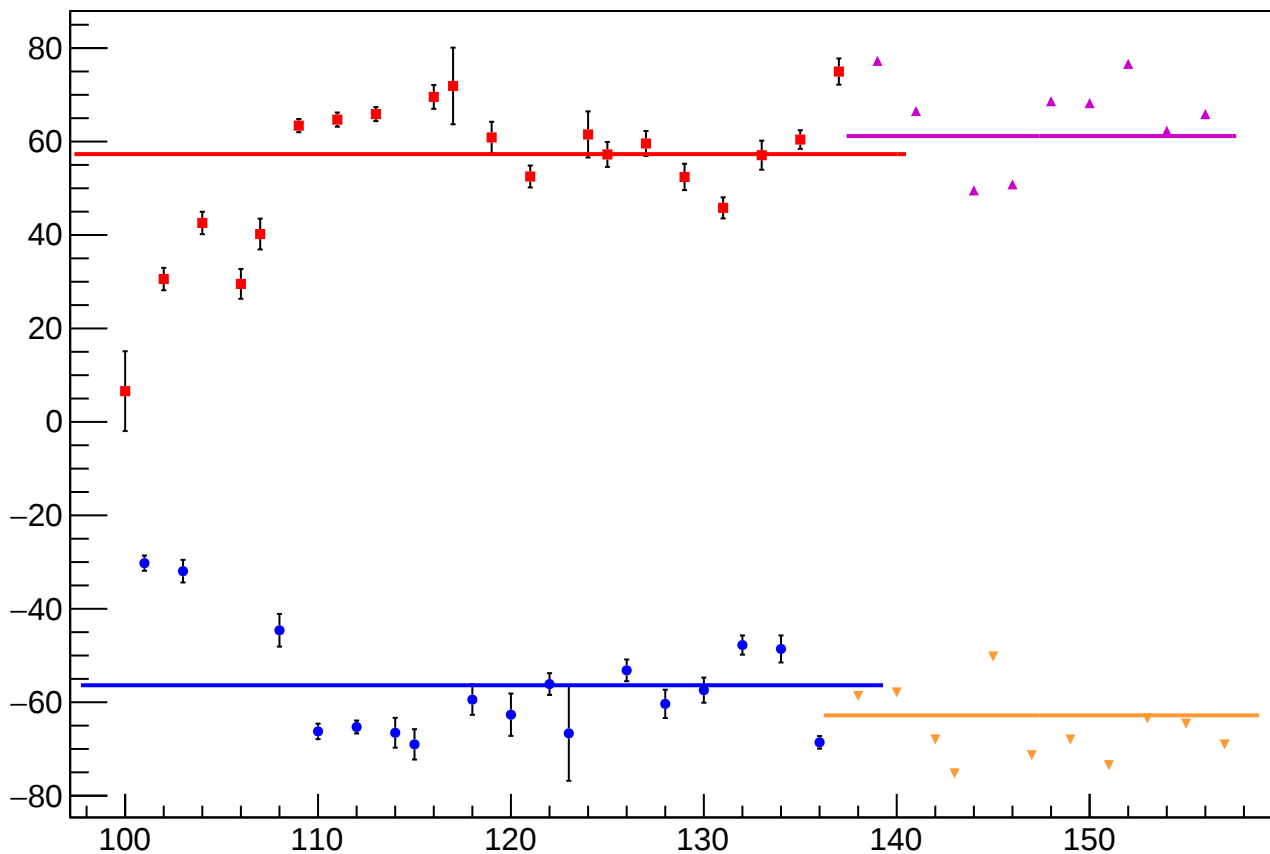
Left In: -1.908 ± 0.148 χ^2/NDF : 244.6/8

2.828 ± 0.137 χ^2/NDF : 668.5/27

0.235 ± 0.096 χ^2/NDF : 1786.9/56

-2.267 ± 0.134 χ^2/NDF : 410.8/28

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -56.362 ± 0.543 χ^2/NDF : 587.2/16

Left Out: -62.802 ± 0.222 χ^2/NDF : 1479.2/10

Right Out: 57.314 ± 0.535 χ^2/NDF : 479.2/19

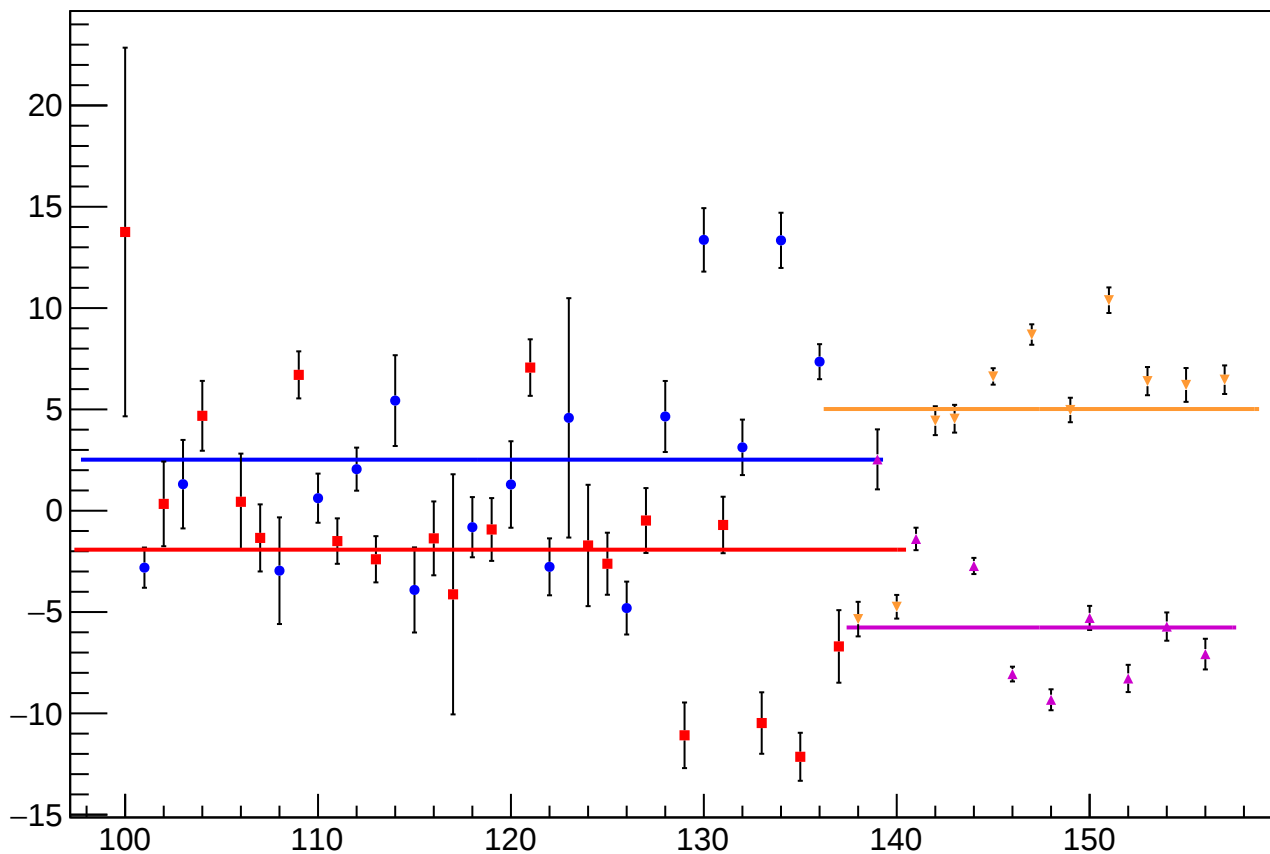
Left In: 61.178 ± 0.220 χ^2/NDF : 2101.4/8

-61.881 ± 0.205 χ^2/NDF : 2186.8/27

-0.112 ± 0.145 χ^2/NDF : 184085.8/56

60.618 ± 0.204 χ^2/NDF : 2625.2/28

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.520 ± 0.347 $\chi^2/\text{NDF}: 242.3/16$

Left Out: 5.019 ± 0.185 $\chi^2/\text{NDF}: 579.2/10$

Right Out: -1.922 ± 0.354 $\chi^2/\text{NDF}: 264.7/19$

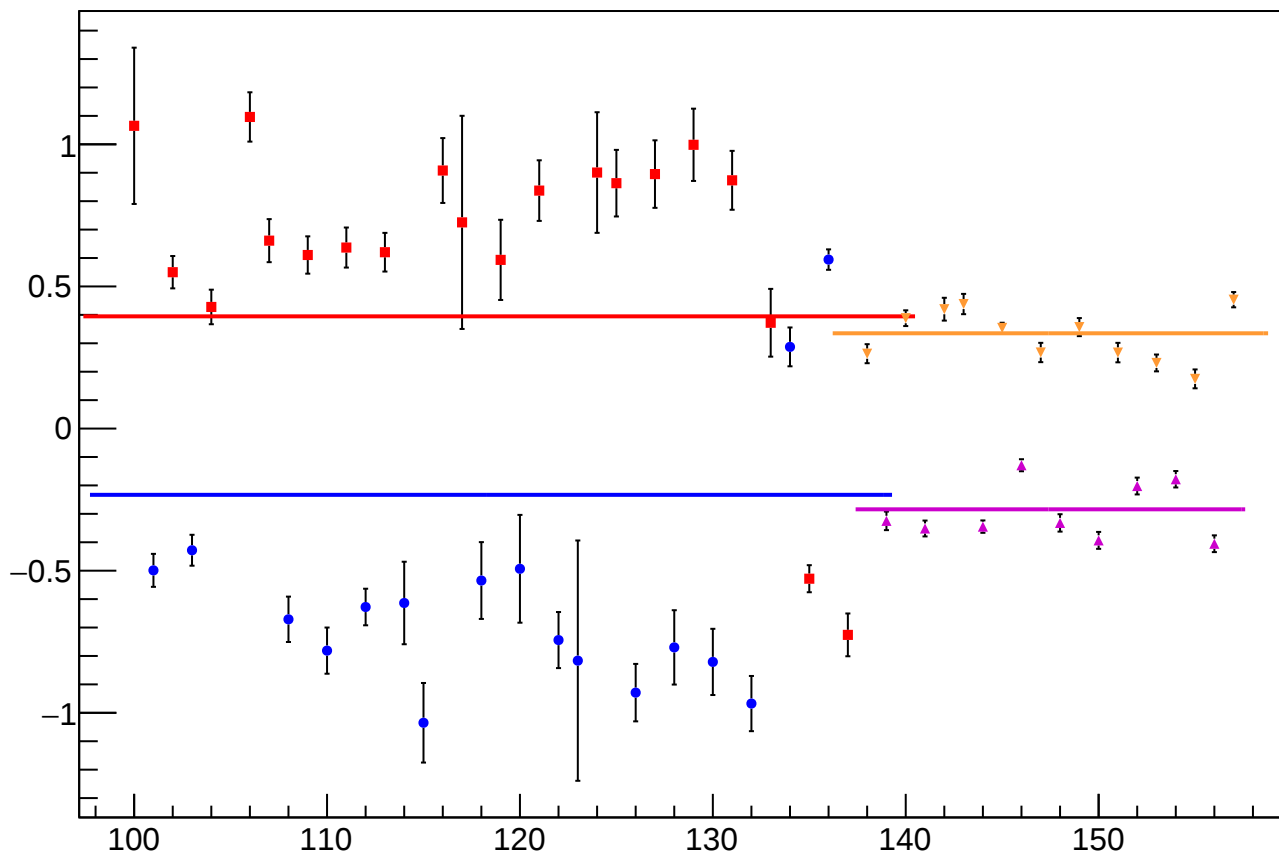
Left In: -5.762 ± 0.182 $\chi^2/\text{NDF}: 256.5/8$

4.465 ± 0.163 $\chi^2/\text{NDF}: 861.9/27$

-0.285 ± 0.115 $\chi^2/\text{NDF}: 3153.6/56$

-4.959 ± 0.162 $\chi^2/\text{NDF}: 614.1/28$

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.233 ± 0.019 χ^2/NDF : 956.8/16

Left Out: 0.335 ± 0.009 χ^2/NDF : 85.5/10

Right Out: 0.395 ± 0.019 χ^2/NDF : 845.9/19

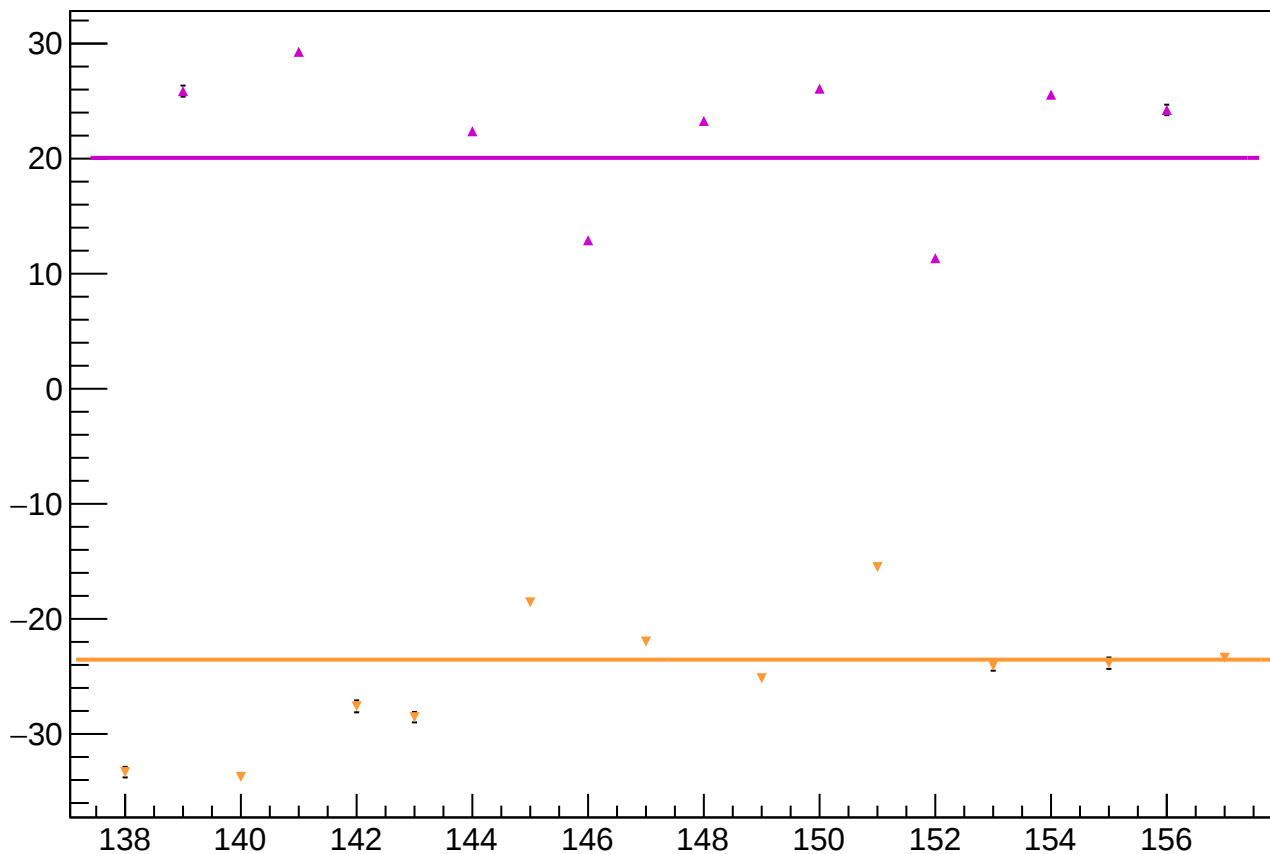
Left In: -0.284 ± 0.009 χ^2/NDF : 122.7/8

0.233 ± 0.008 χ^2/NDF : 1783.6/27

0.041 ± 0.006 χ^2/NDF : 4967.6/56

-0.158 ± 0.008 χ^2/NDF : 2013.0/28

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -23.540+/-0.108 χ^2/NDF : 2683.0/10

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

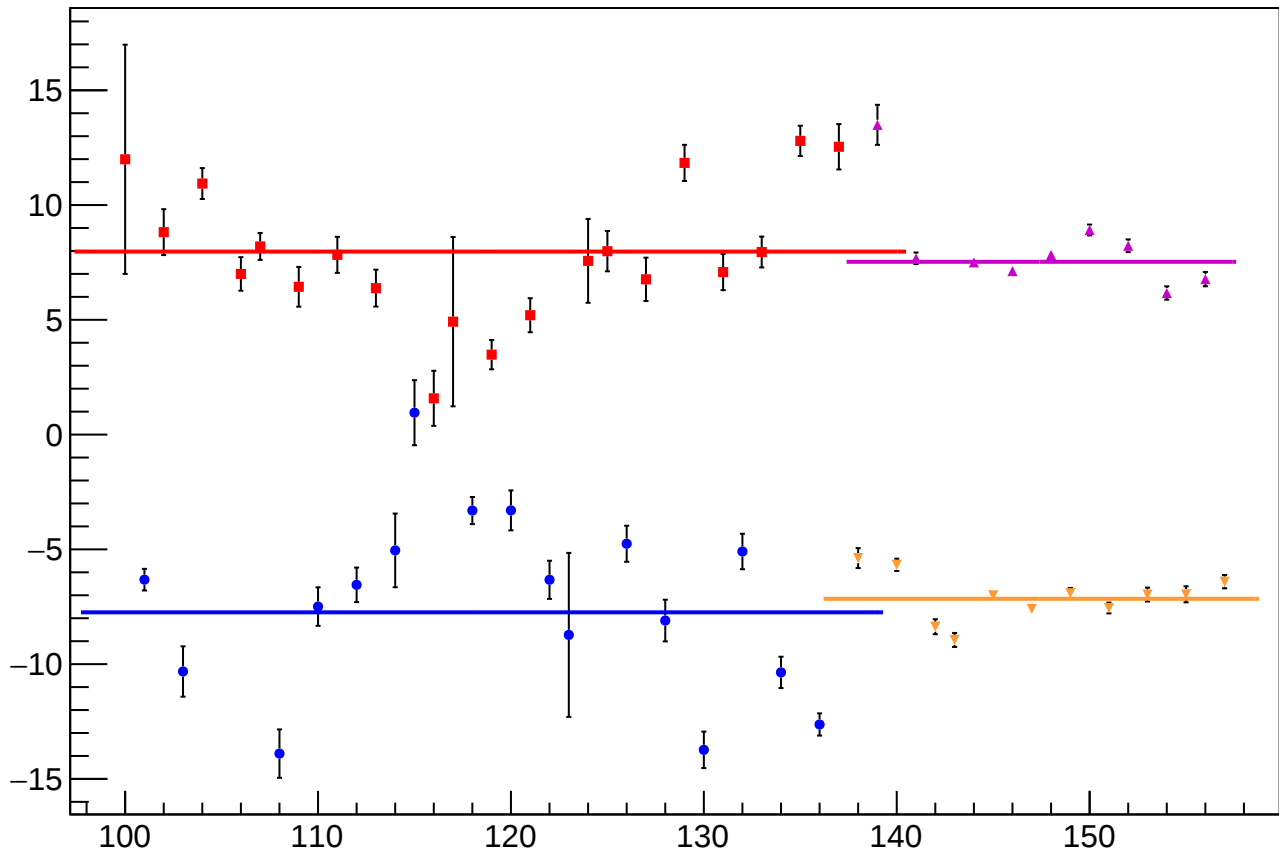
Left In: 20.066+/-0.103 χ^2/NDF : 3556.8/8

-23.540+/-0.108 χ^2/NDF : 2683.0/10

-0.772+/-0.074 χ^2/NDF : 91749.0/19

20.066+/-0.103 χ^2/NDF : 3556.8/8

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.743 ± 0.187 χ^2/NDF : 377.5/16

Left Out: -7.153 ± 0.074 χ^2/NDF : 114.2/10

Right Out: 7.973 ± 0.186 χ^2/NDF : 224.2/19

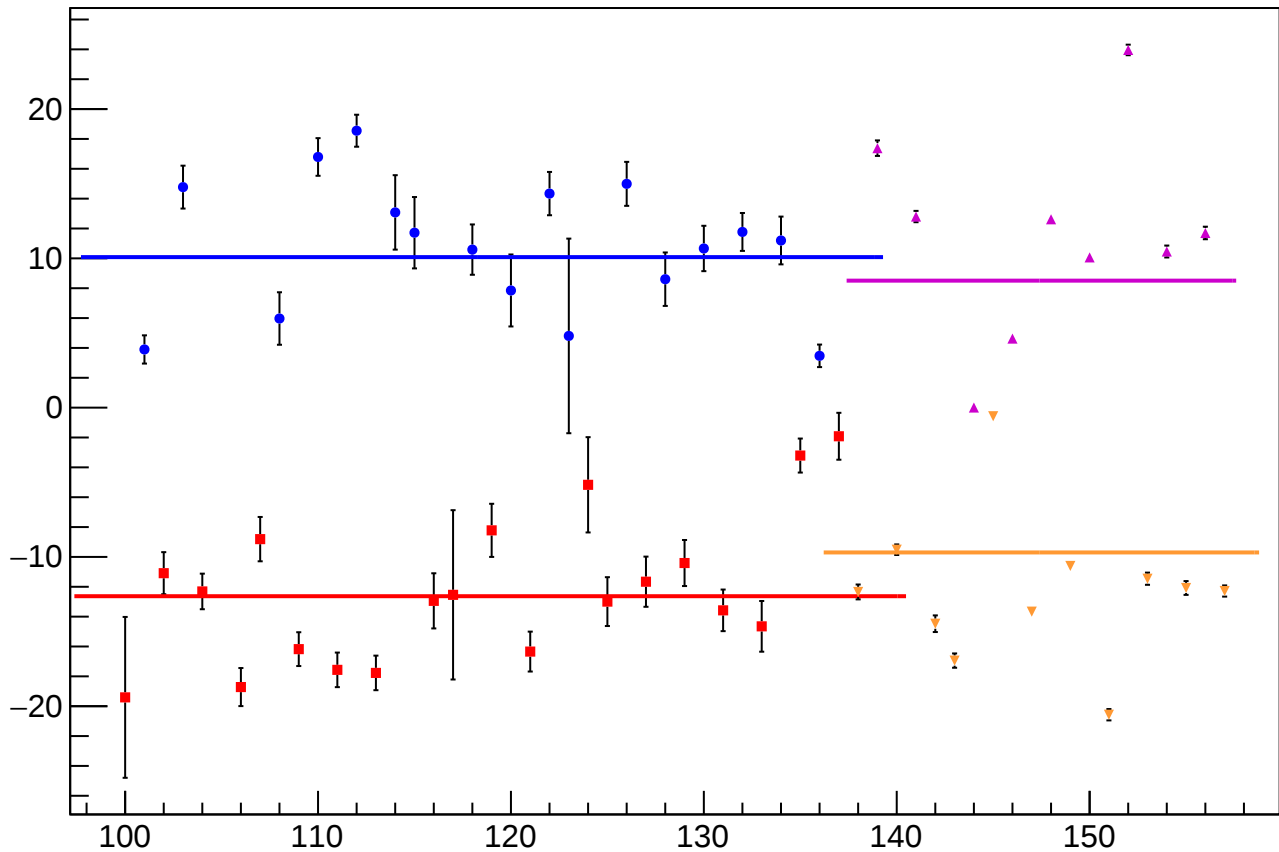
Left In: 7.527 ± 0.068 χ^2/NDF : 130.7/8

-7.233 ± 0.069 χ^2/NDF : 500.3/27

0.720 ± 0.047 χ^2/NDF : 25690.1/56

7.580 ± 0.064 χ^2/NDF : 360.0/28

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 10.083+/-0.338 χ^2 /NDF: 252.7/16

Left Out: -9.700+/-0.108 χ^2 /NDF: 3348.0/10

Right Out: -12.631+/-0.332 χ^2 /NDF: 218.6/19

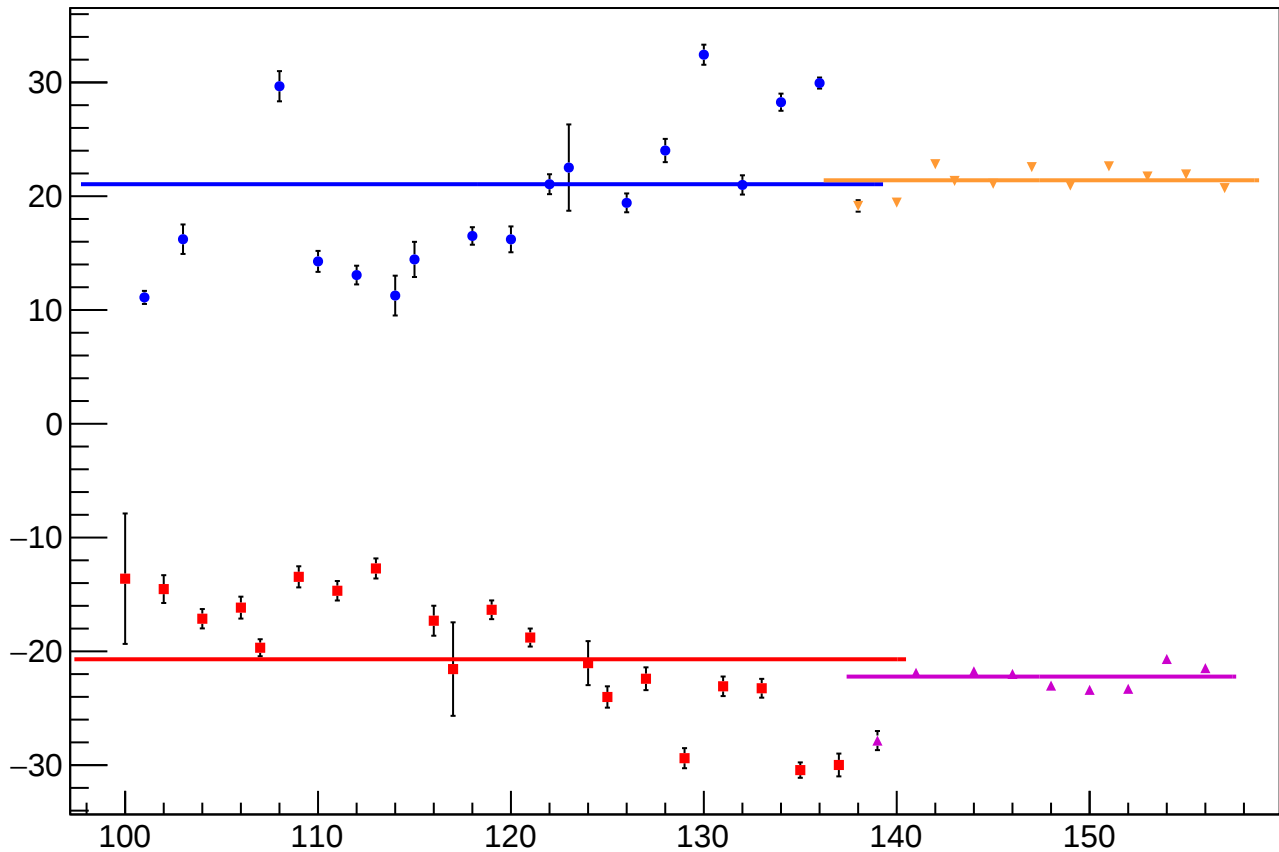
Left In: 8.507+/-0.102 χ^2 /NDF: 4298.2/8

-7.870+/-0.103 χ^2 /NDF: 6710.8/27

-0.176+/-0.071 χ^2 /NDF: 25540.0/56

6.698+/-0.097 χ^2 /NDF: 8221.8/28

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 21.055 ± 0.211 $\chi^2/\text{NDF}: 1211.8/16$

Left Out: 21.400 ± 0.090 $\chi^2/\text{NDF}: 122.4/10$

Right Out: -20.696 ± 0.212 $\chi^2/\text{NDF}: 724.1/19$

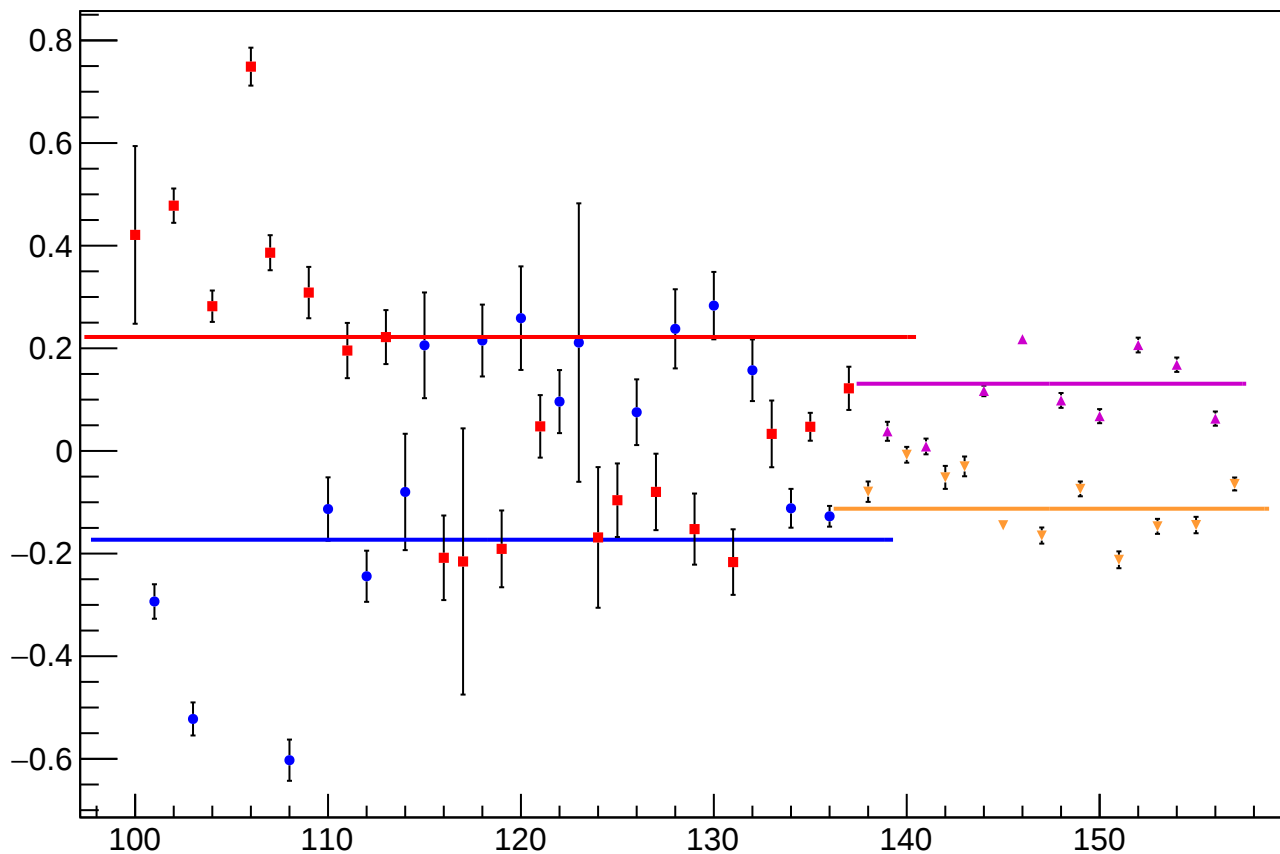
Left In: -22.218 ± 0.084 $\chi^2/\text{NDF}: 119.2/8$

21.346 ± 0.083 $\chi^2/\text{NDF}: 1336.5/27$

-1.669 ± 0.057 $\chi^2/\text{NDF}: 147431.6/56$

-22.013 ± 0.078 $\chi^2/\text{NDF}: 887.7/28$

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.173 ± 0.011 χ^2/NDF : 461.8/16

Left Out: -0.113 ± 0.004 χ^2/NDF : 170.2/10

Right Out: 0.222 ± 0.011 χ^2/NDF : 538.0/19

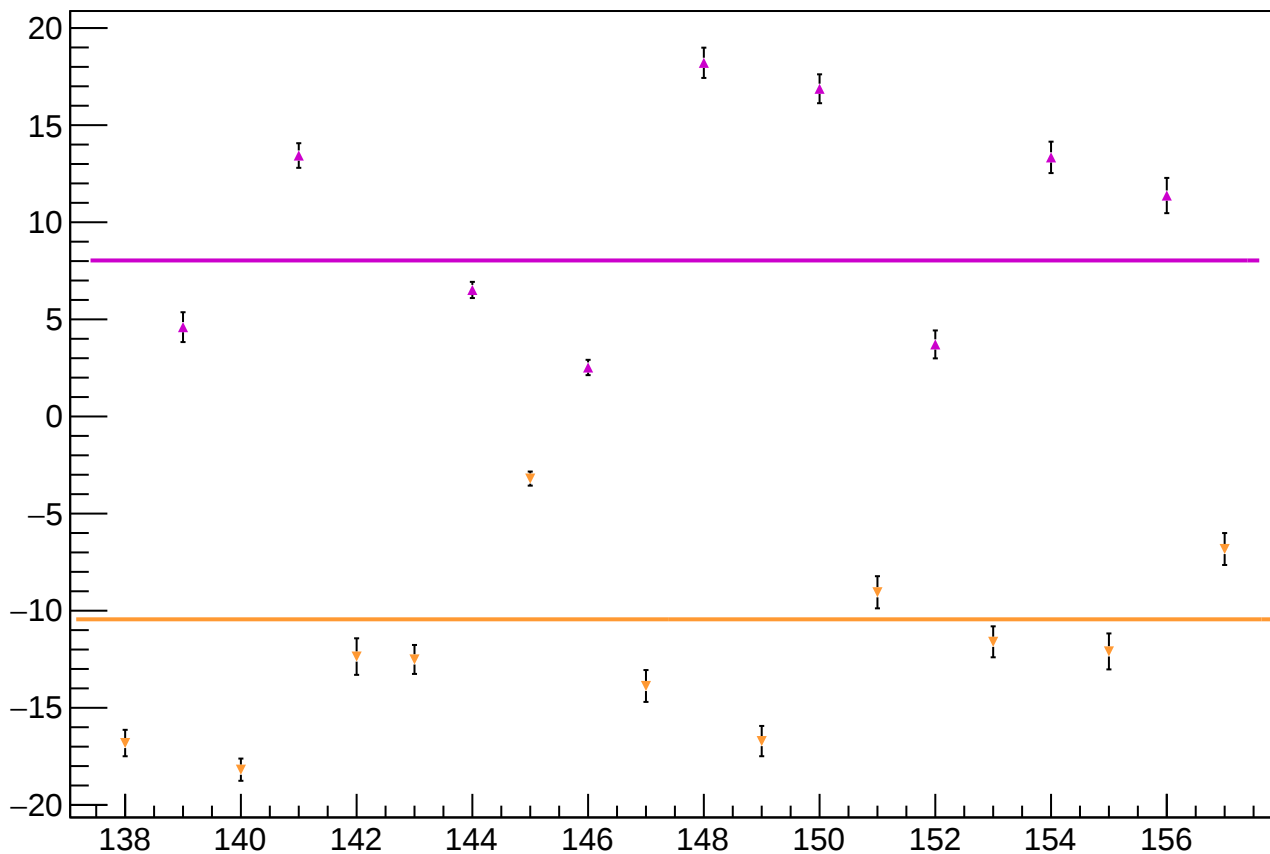
Left In: 0.131 ± 0.004 χ^2/NDF : 280.5/8

-0.120 ± 0.004 χ^2/NDF : 657.4/27

0.013 ± 0.003 χ^2/NDF : 3721.4/56

0.143 ± 0.004 χ^2/NDF : 878.7/28

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: -10.444+/-0.202 χ^2/NDF : 791.5/10

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

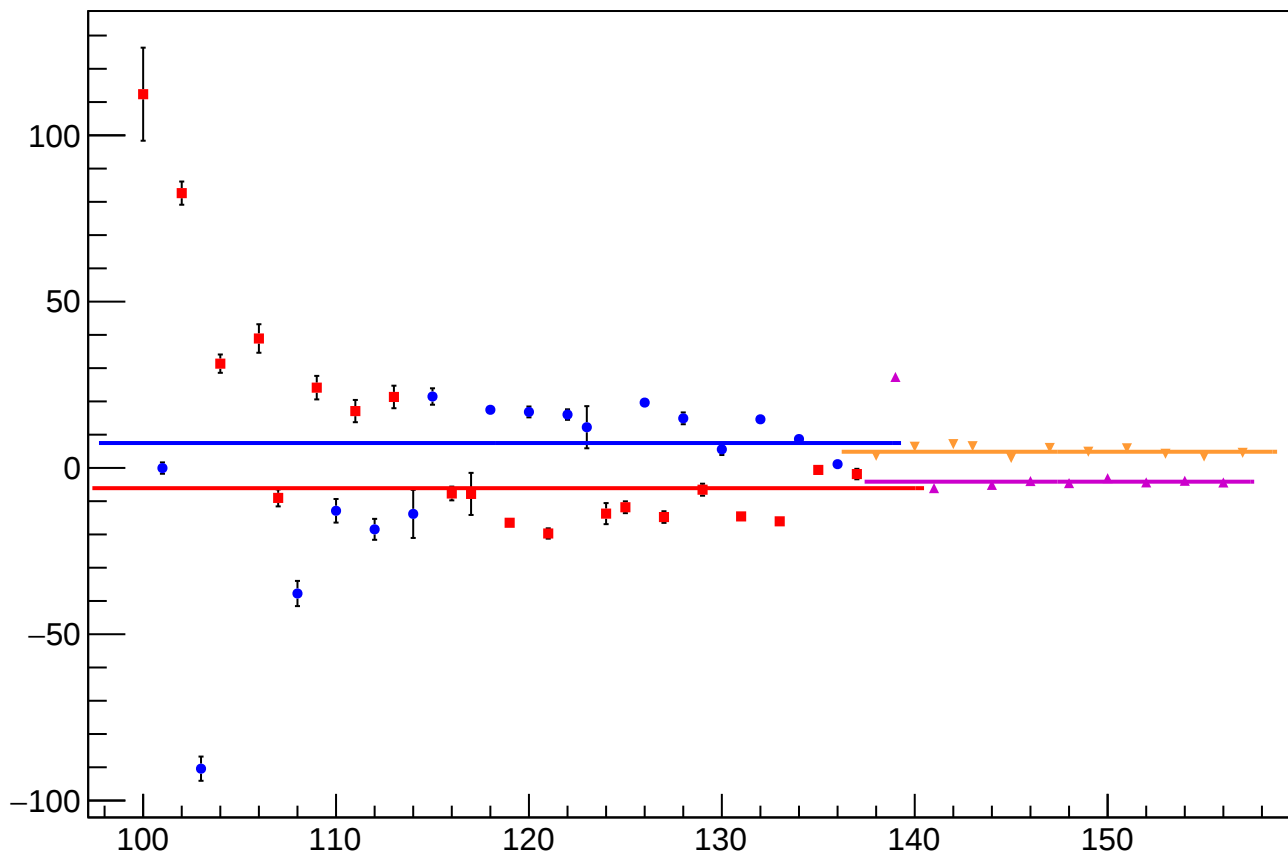
Left In: 8.033+/-0.202 χ^2/NDF : 705.6/8

-10.444+/-0.202 χ^2/NDF : 791.5/10

-1.214+/-0.143 χ^2/NDF : 5685.2/19

8.033+/-0.202 χ^2/NDF : 705.6/8

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: 4.865 ± 0.142 χ^2/NDF : 101.6/10

Right Out: -6.086 ± 0.433 χ^2/NDF : 1512.2/19

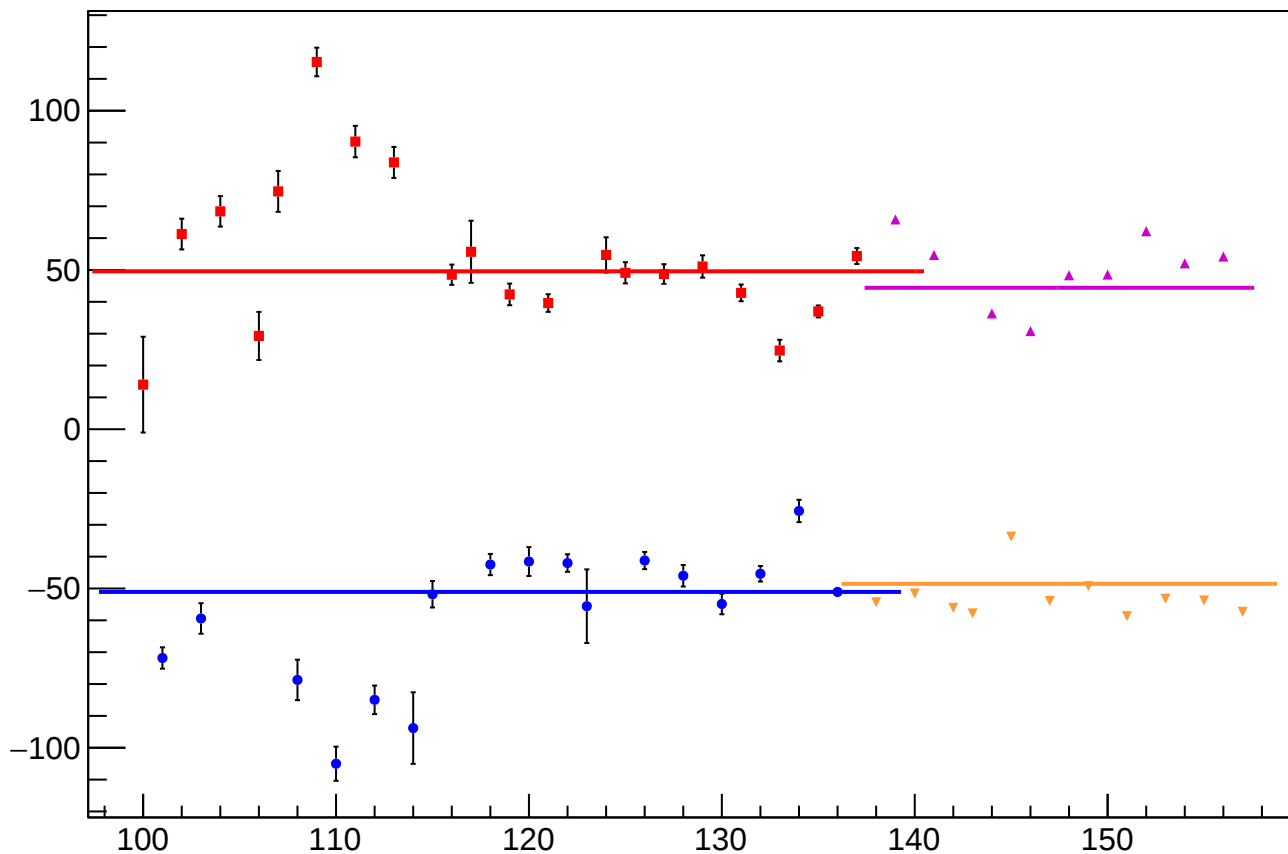
Left In: -4.136 ± 0.137 χ^2/NDF : 555.5/8

5.152 ± 0.134 χ^2/NDF : 1479.1/27

0.297 ± 0.094 χ^2/NDF : 6107.5/56

-4.314 ± 0.131 χ^2/NDF : 2086.1/28

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -51.077 ± 0.741 χ^2/NDF : 330.2/16

Left Out: -48.541 ± 0.205 χ^2/NDF : 2168.7/10

Right Out: 49.579 ± 0.796 χ^2/NDF : 510.0/19

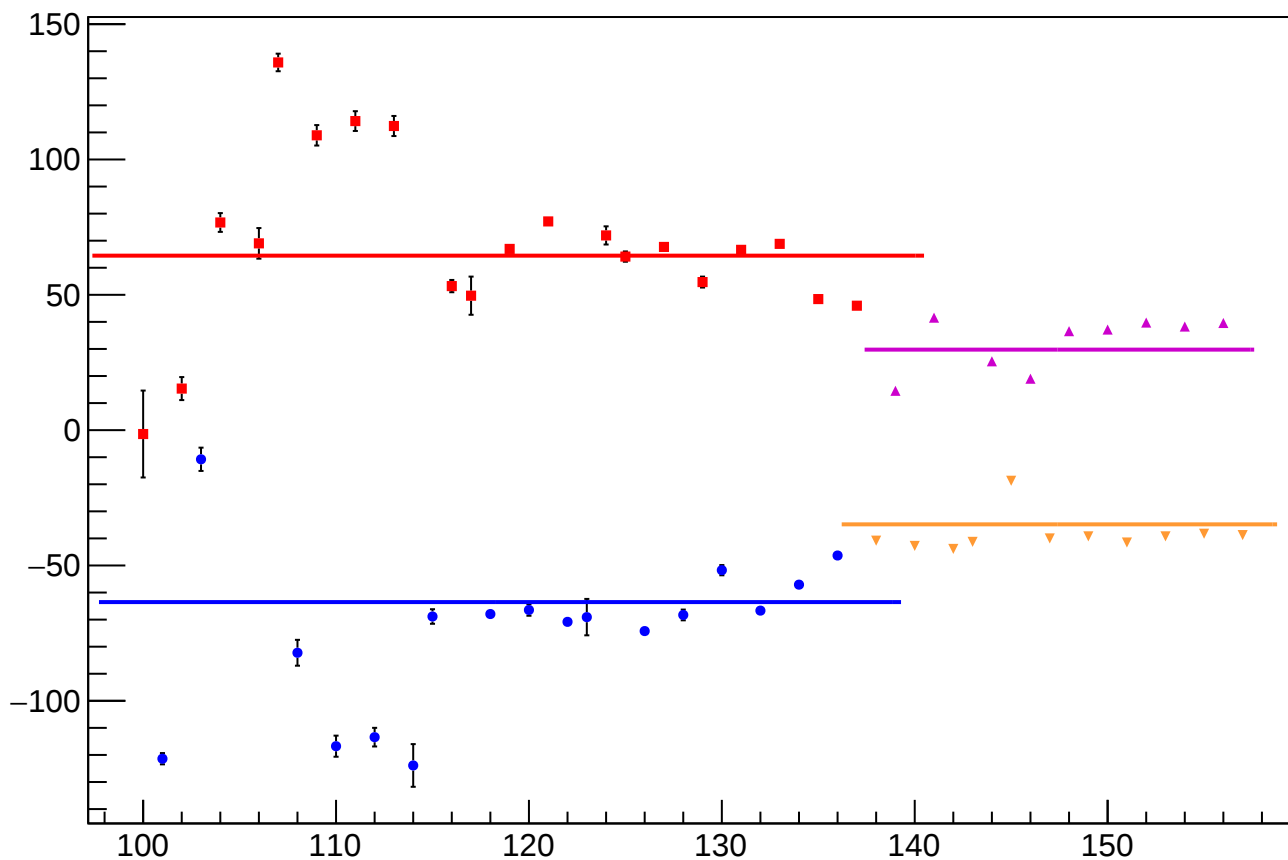
Left In: 44.410 ± 0.201 χ^2/NDF : 3474.9/8

-48.721 ± 0.197 χ^2/NDF : 2509.8/27

-1.337 ± 0.139 χ^2/NDF : 120218.4/56

44.719 ± 0.195 χ^2/NDF : 4024.5/28

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -63.525 ± 0.449 χ^2/NDF : 2010.9/16

Left Out: -34.804 ± 0.172 χ^2/NDF : 3230.7/10

Right Out: 64.470 ± 0.482 χ^2/NDF : 1607.5/19

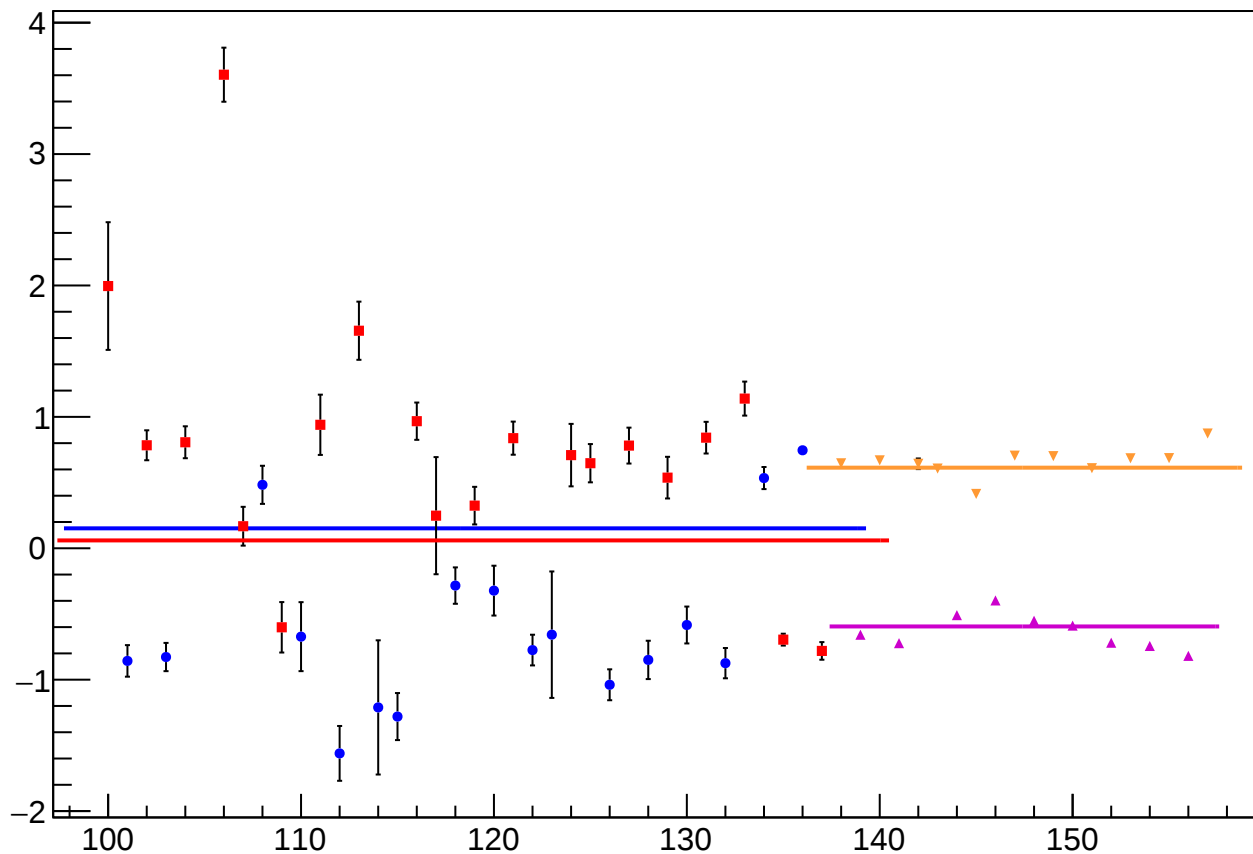
Left In: 29.749 ± 0.168 χ^2/NDF : 2868.8/8

-38.479 ± 0.160 χ^2/NDF : 8815.0/27

-2.009 ± 0.113 χ^2/NDF : 119839.6/56

33.500 ± 0.158 χ^2/NDF : 9108.2/28

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: 0.613 ± 0.008 χ^2/NDF : 310.3/10

Right Out: 0.060 ± 0.026 χ^2/NDF : 1162.1/19

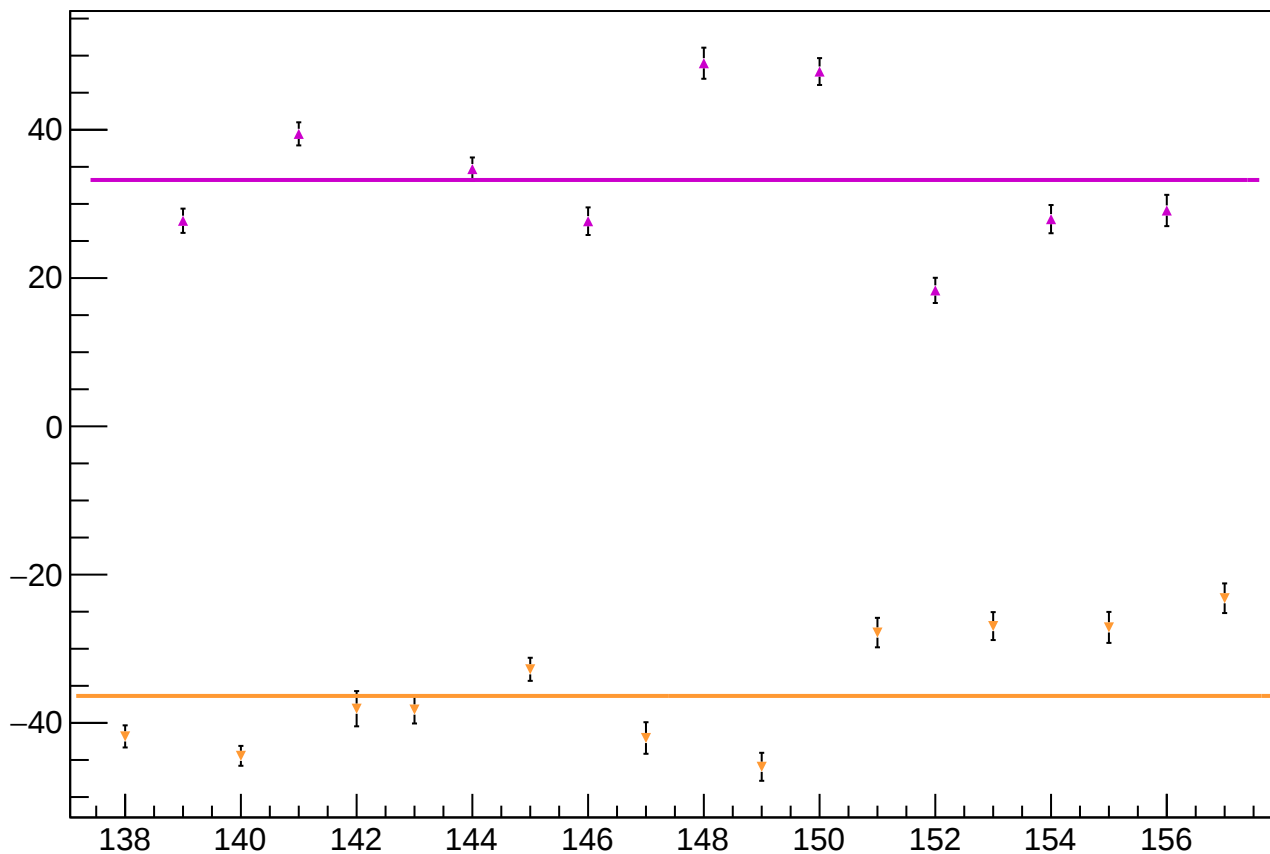
Left In: -0.595 ± 0.008 χ^2/NDF : 287.7/8

0.566 ± 0.008 χ^2/NDF : 1629.1/27

0.030 ± 0.006 χ^2/NDF : 13636.6/56

-0.536 ± 0.008 χ^2/NDF : 2015.7/28

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -36.362+/-0.543 χ^2/NDF :195.7/10

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

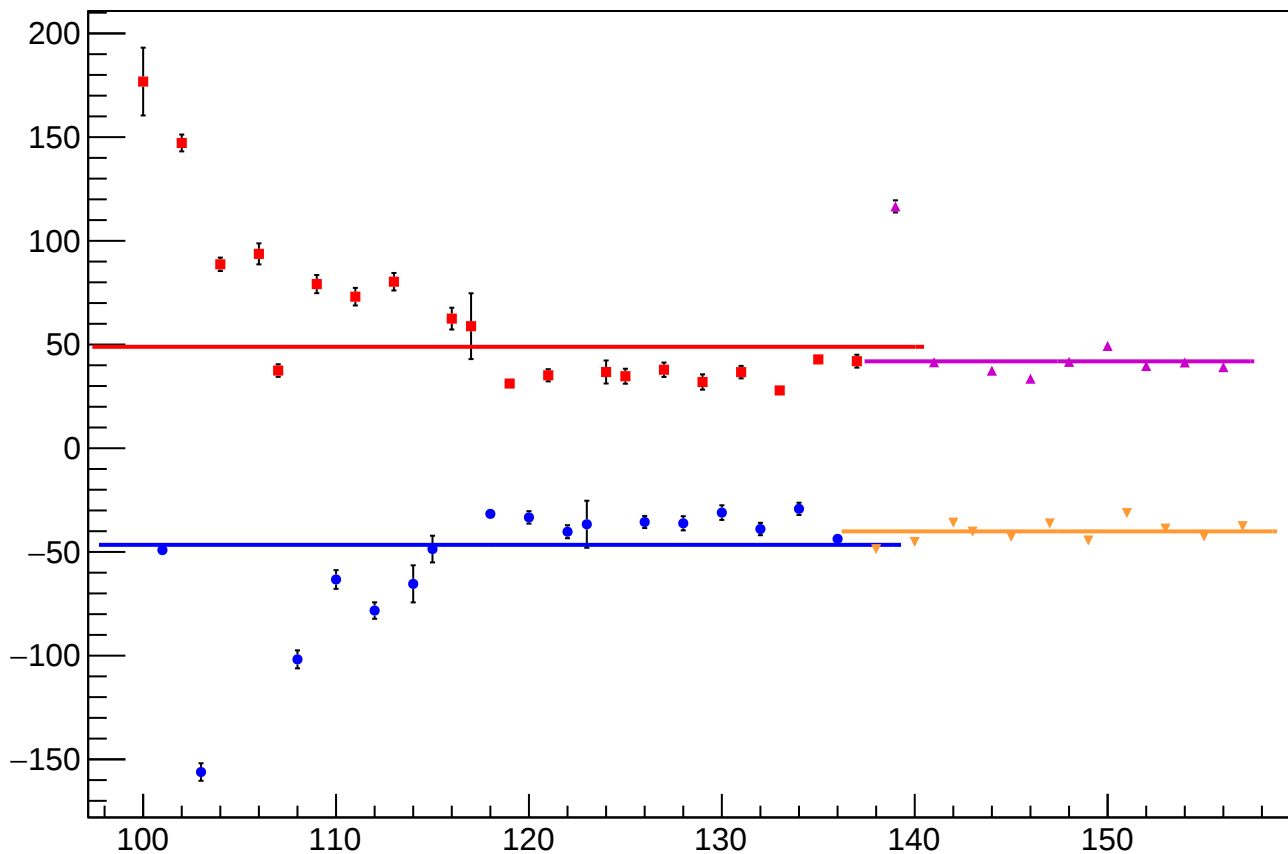
Left In: 33.231+/-0.591 χ^2/NDF :246.9/8

-36.362+/-0.543 χ^2/NDF : 195.7/10

-4.525+/-0.400 χ^2/NDF : 7962.3/19

33.231+/-0.591 χ^2/NDF : 246.9/8

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -46.579+/-0.730 χ^2/NDF : 1076.4/16

Left Out: -40.086+/-0.381 χ^2/NDF : 157.3/10

Right Out: 48.911+/-0.763 χ^2/NDF : 1277.9/19

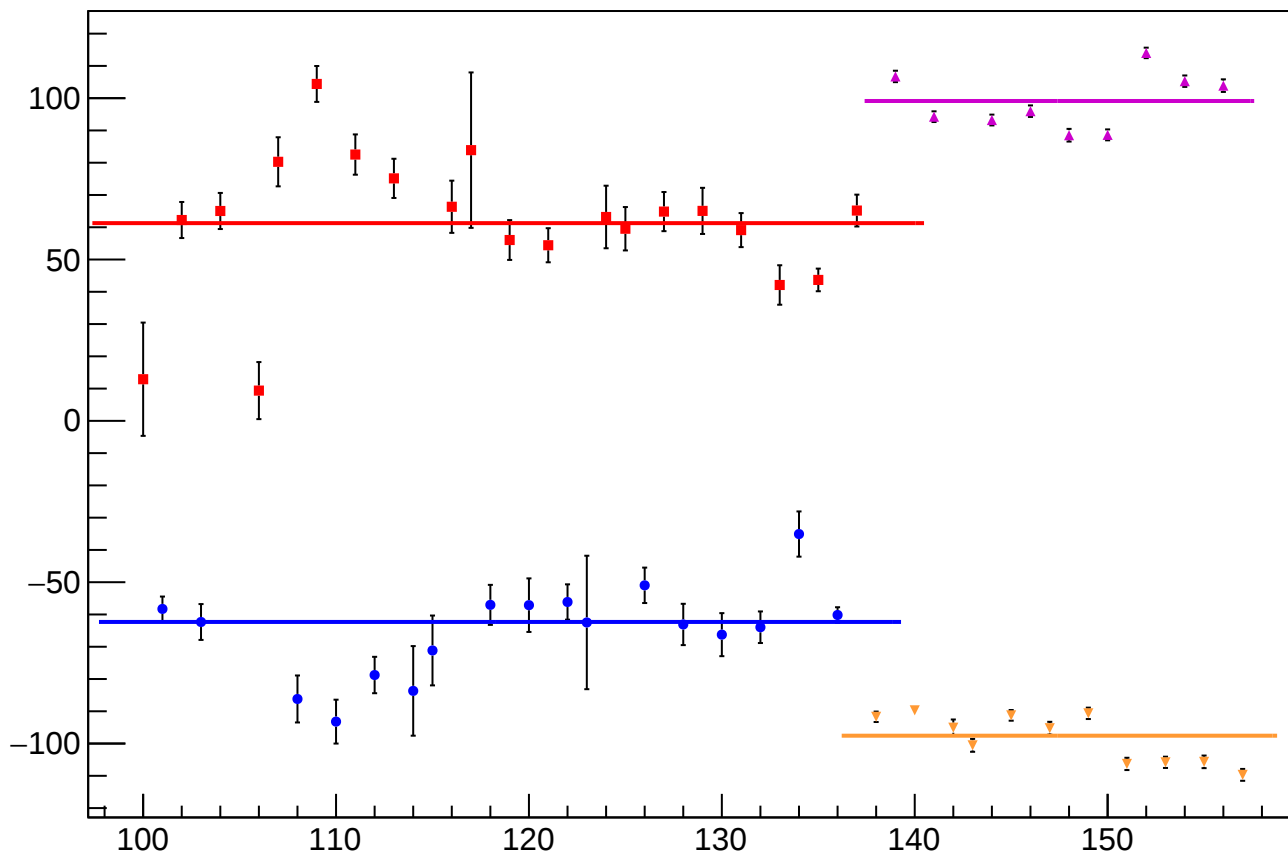
Left In: 41.899+/-0.415 χ^2/NDF : 764.3/8

-41.477+/-0.338 χ^2/NDF : 1295.9/27

-2.230+/-0.248 χ^2/NDF : 32643.0/56

43.502+/-0.365 χ^2/NDF : 2107.4/28

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.315 ± 1.316 χ^2/NDF : 67.1/16

Left Out: -97.566 ± 0.544 χ^2/NDF : 182.0/10

Right Out: 61.277 ± 1.379 χ^2/NDF : 165.9/19

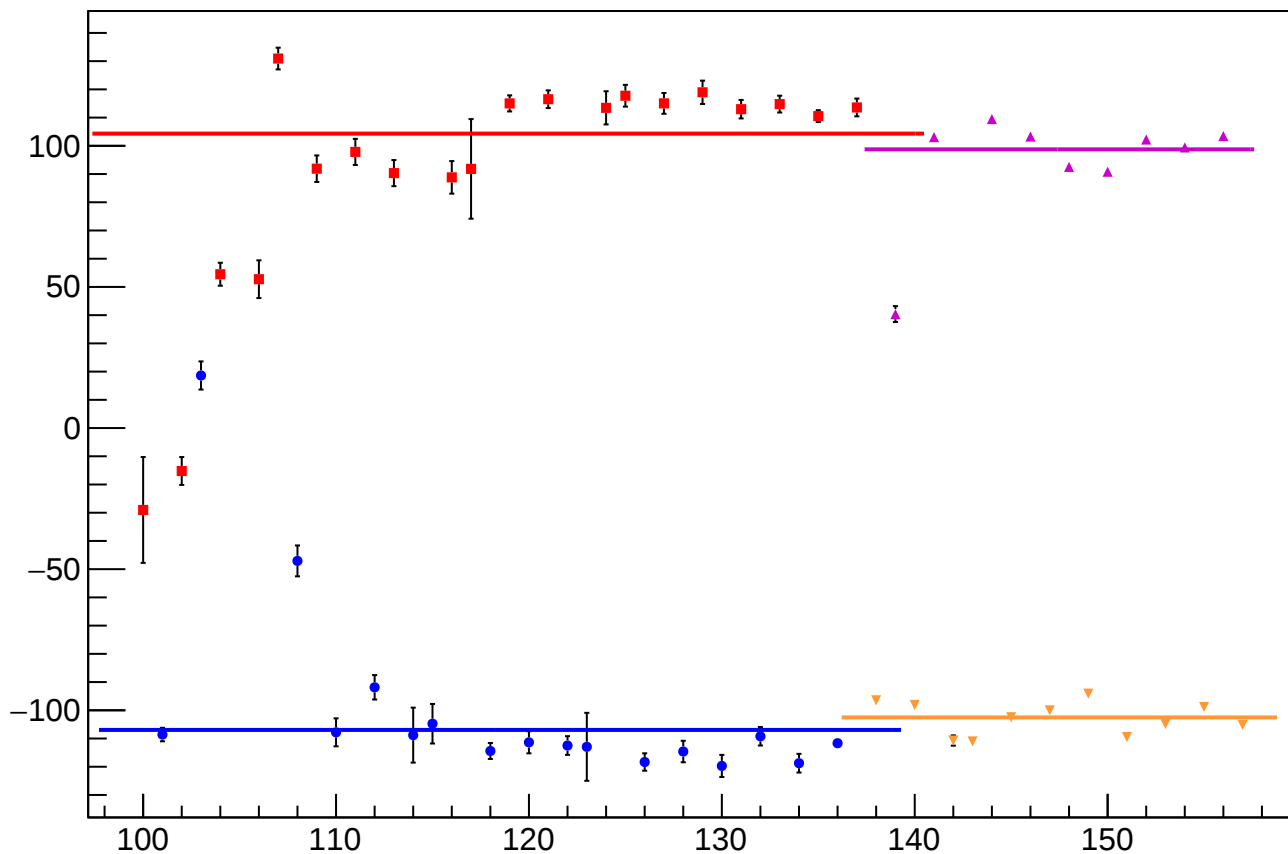
Left In: 99.127 ± 0.585 χ^2/NDF : 212.0/8

-92.417 ± 0.503 χ^2/NDF : 862.3/27

-5.914 ± 0.368 χ^2/NDF : 65437.8/56

93.350 ± 0.539 χ^2/NDF : 1016.6/28

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -106.954+/-0.817 χ^2/NDF : 827.2/16

Left Out: -102.533+/-0.461 χ^2/NDF : 141.4/10

Right Out: 104.326+/-0.860 χ^2/NDF : 1021.5/19

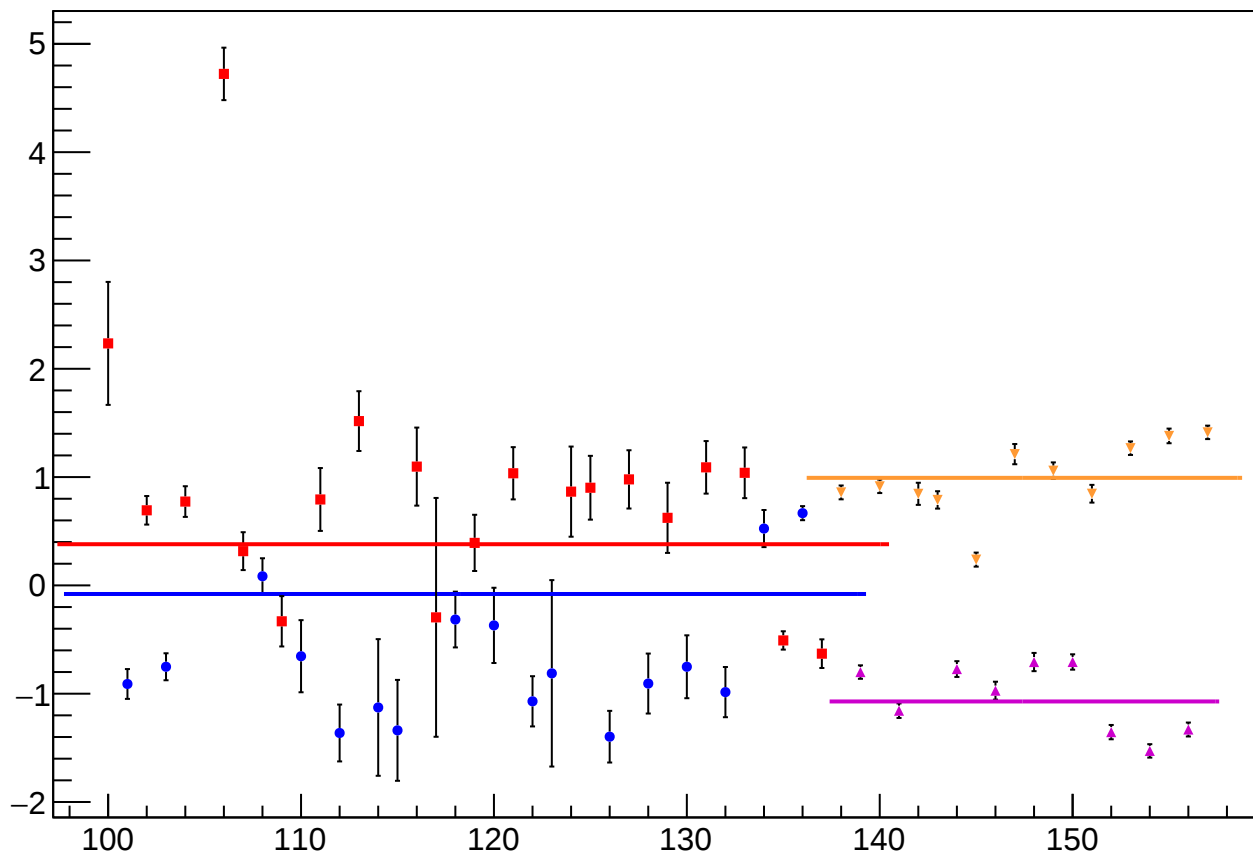
Left In: 98.750+/-0.501 χ^2/NDF : 578.5/8

-103.599+/-0.401 χ^2/NDF : 990.9/27

-9.451+/-0.294 χ^2/NDF : 121745.4/56

100.162+/-0.433 χ^2/NDF : 1631.3/28

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.079 ± 0.042 χ^2/NDF : 328.5/16

Left Out: 0.993 ± 0.022 χ^2/NDF : 257.3/10

Right Out: 0.380 ± 0.044 χ^2/NDF : 580.9/19

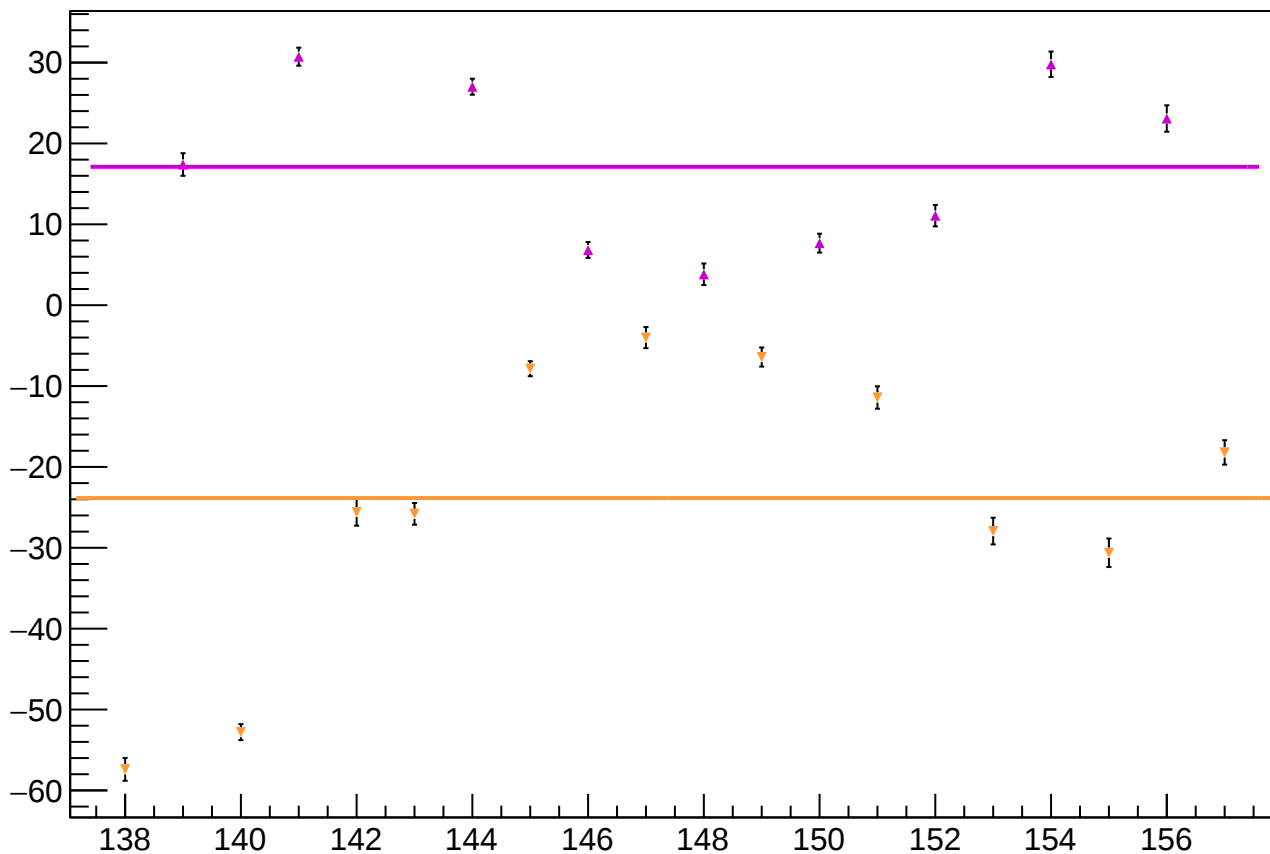
Left In: -1.072 ± 0.023 χ^2/NDF : 172.7/8

0.772 ± 0.019 χ^2/NDF : 1097.0/27

0.054 ± 0.014 χ^2/NDF : 5698.2/56

-0.759 ± 0.020 χ^2/NDF : 1608.9/28

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -23.850+/-0.391 χ^2/NDF :2281.3/10

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

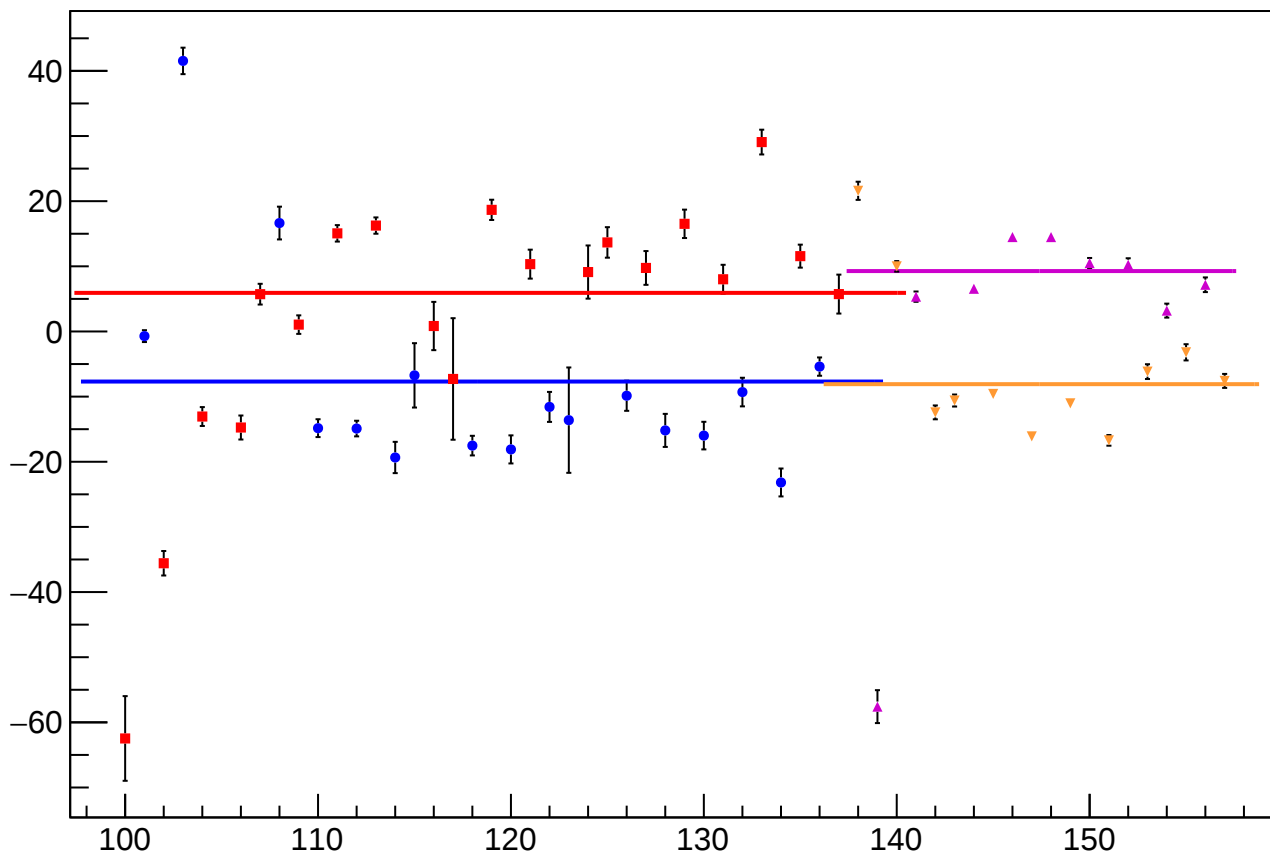
Left In: 17.116+/-0.407 χ^2/NDF :624.5/8

-23.850+/-0.391 χ^2/NDF : 2281.3/10

-4.197+/-0.282 χ^2/NDF : 8170.9/19

17.116+/-0.407 χ^2/NDF : 624.5/8

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.686 ± 0.430 χ^2/NDF : 975.9/16

Left Out: -8.089 ± 0.268 χ^2/NDF : 1292.5/10

Right Out: 5.925 ± 0.428 χ^2/NDF : 1300.1/19

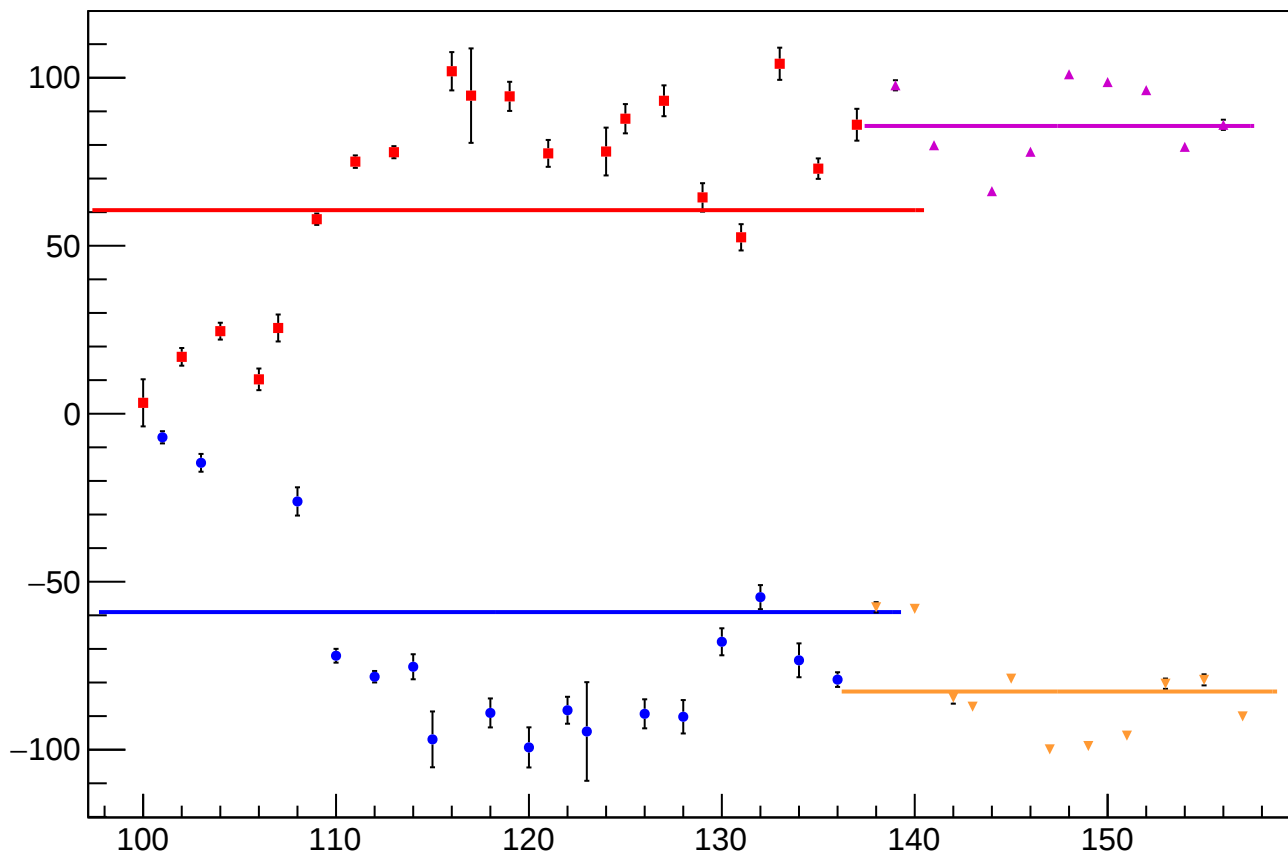
Left In: 9.271 ± 0.277 χ^2/NDF : 914.8/8

-7.976 ± 0.227 χ^2/NDF : 2269.0/27

-0.028 ± 0.163 χ^2/NDF : 7026.7/56

8.285 ± 0.233 χ^2/NDF : 2257.9/28

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.039 $\pm$ 0.746 χ^2 /NDF: 1709.5/16

Left Out: -82.683 $\pm$ 0.391 χ^2 /NDF: 1387.2/10

Right Out: 60.593 $\pm$ 0.704 χ^2 /NDF: 1390.7/19

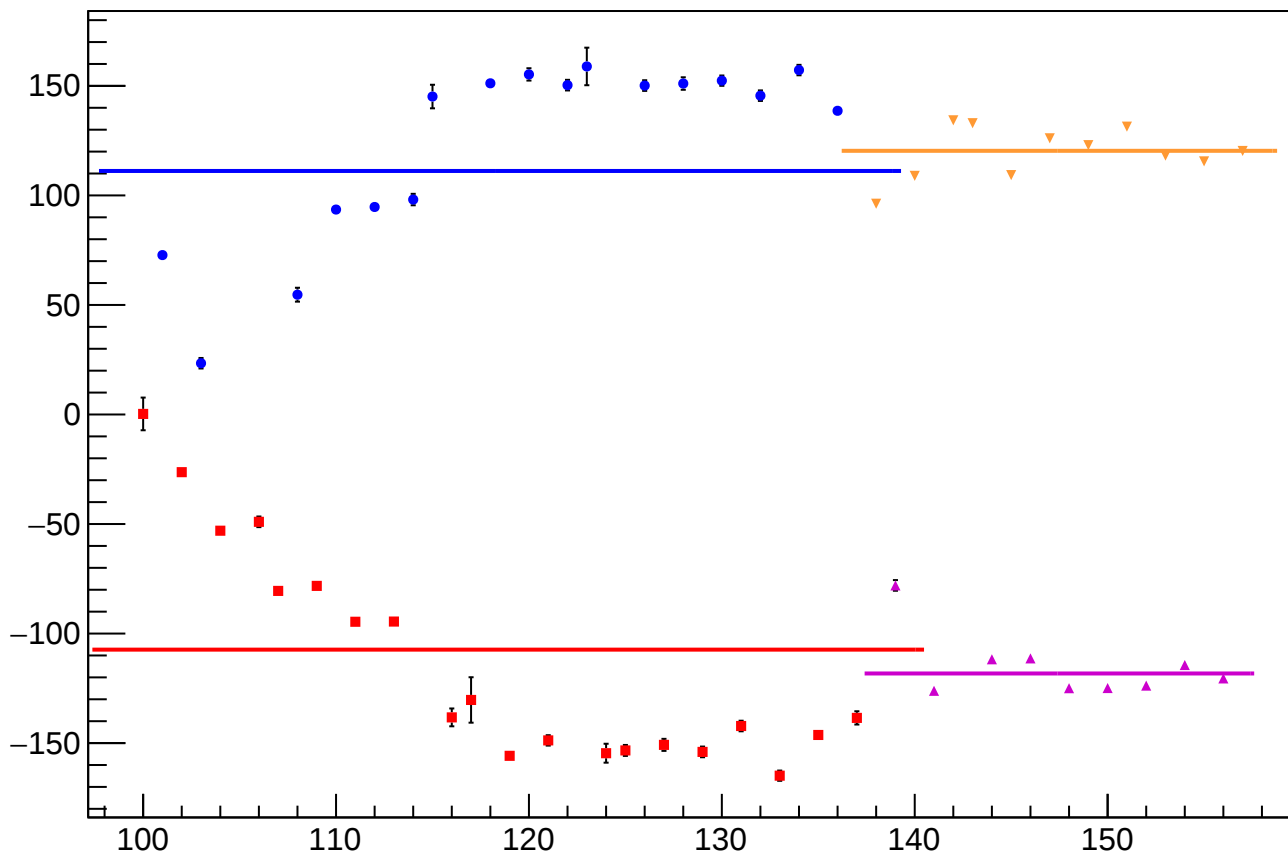
Left In: 85.655 $\pm$ 0.402 χ^2 /NDF: 873.9/8

-77.580 $\pm$ 0.346 χ^2 /NDF: 3885.1/27

0.326 $\pm$ 0.246 χ^2 /NDF: 109054.1/56

79.481 $\pm$ 0.349 χ^2 /NDF: 3221.0/28

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.160 ± 0.489 $\chi^2/\text{NDF}: 5877.6/16$

Left Out: 120.358 ± 0.327 $\chi^2/\text{NDF}: 946.8/10$

Right Out: -107.334 ± 0.487 $\chi^2/\text{NDF}: 7060.0/19$

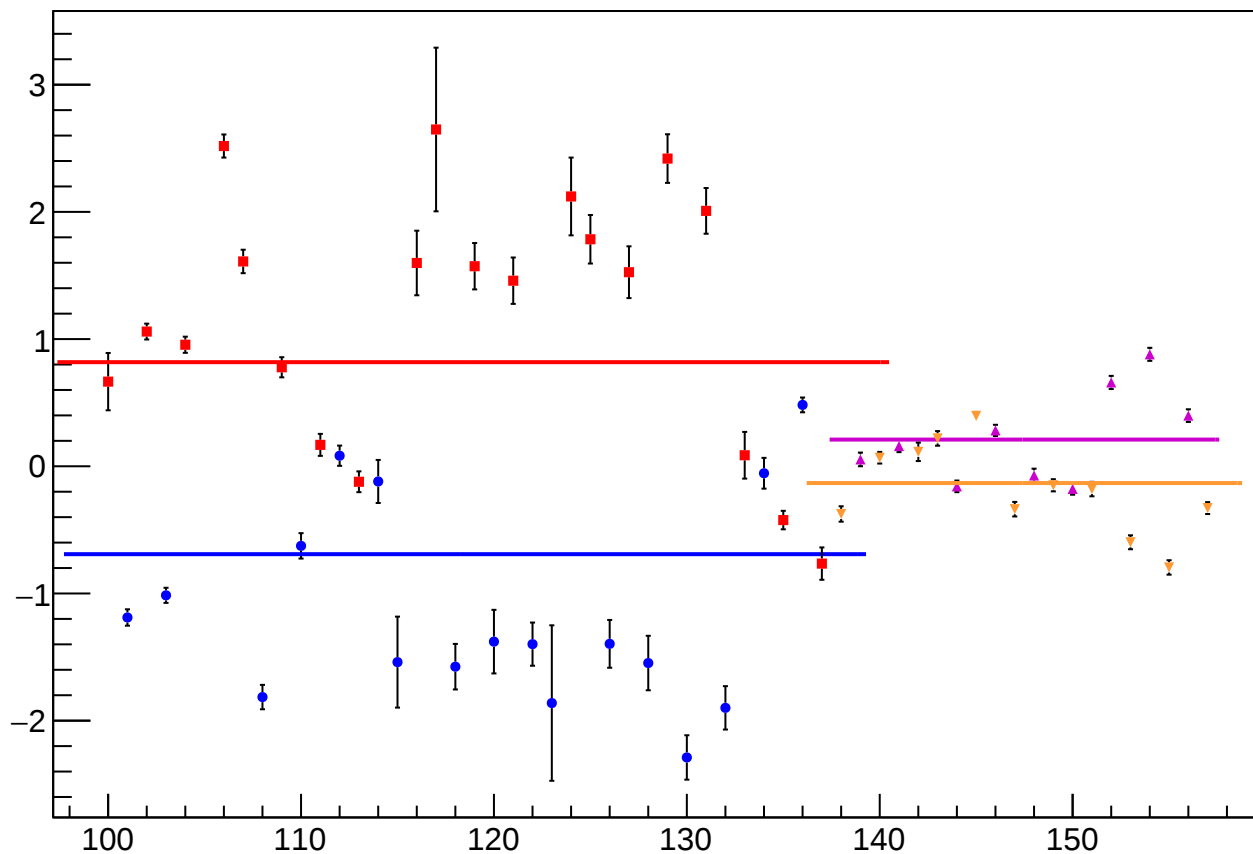
Left In: -118.218 ± 0.337 $\chi^2/\text{NDF}: 624.7/8$

117.521 ± 0.272 $\chi^2/\text{NDF}: 7069.1/27$

3.854 ± 0.194 $\chi^2/\text{NDF}: 372944.9/56$

-114.690 ± 0.277 $\chi^2/\text{NDF}: 8022.1/28$

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.691+/-0.026 χ^2/NDF : 990.9/16

Left Out: -0.132+/-0.016 χ^2/NDF : 511.4/10

Right Out: 0.819+/-0.024 χ^2/NDF : 1312.5/19

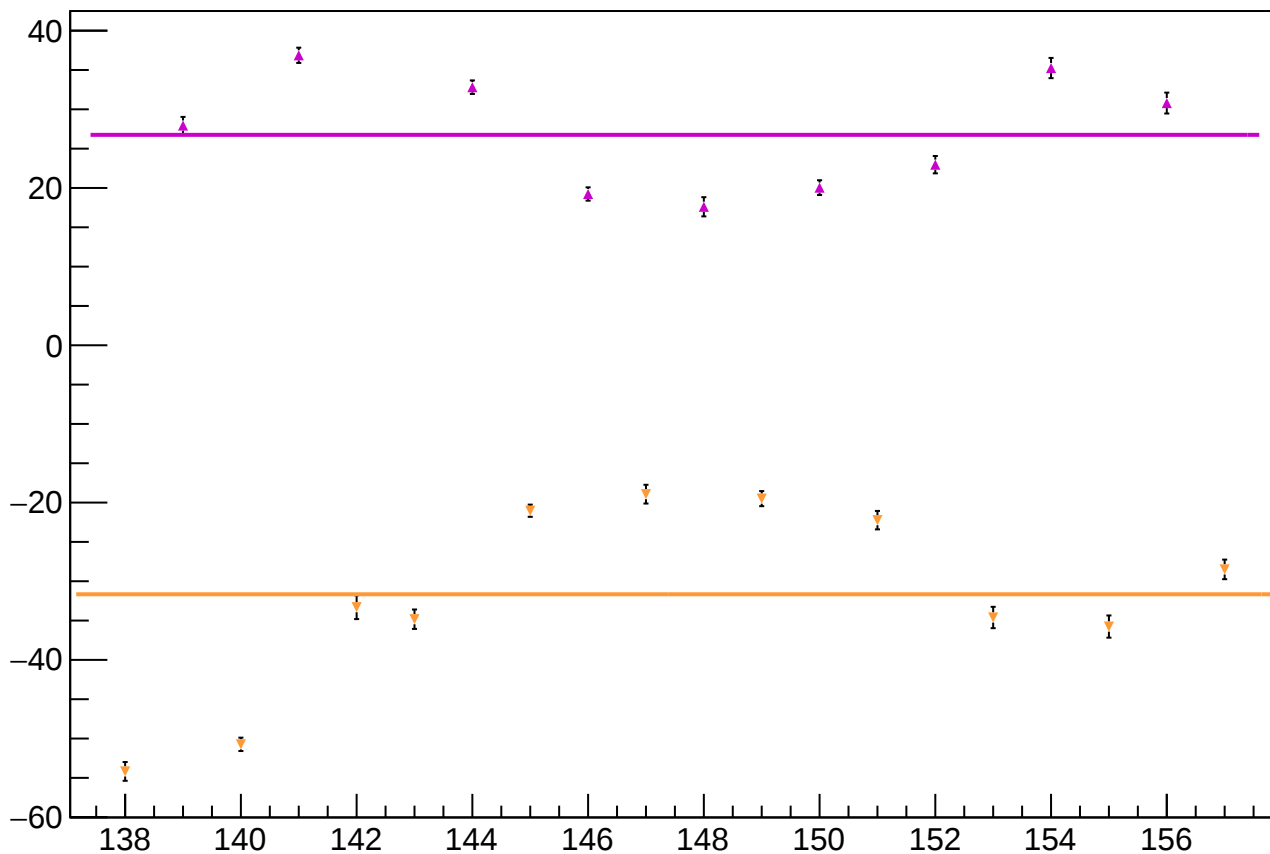
Left In: 0.210+/-0.016 χ^2/NDF : 437.4/8

-0.283+/-0.013 χ^2/NDF : 1844.9/27

0.054+/-0.010 χ^2/NDF : 5302.4/56

0.398+/-0.014 χ^2/NDF : 2181.6/28

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: -31.658+/-0.332 χ^2/NDF :1413.8/10

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

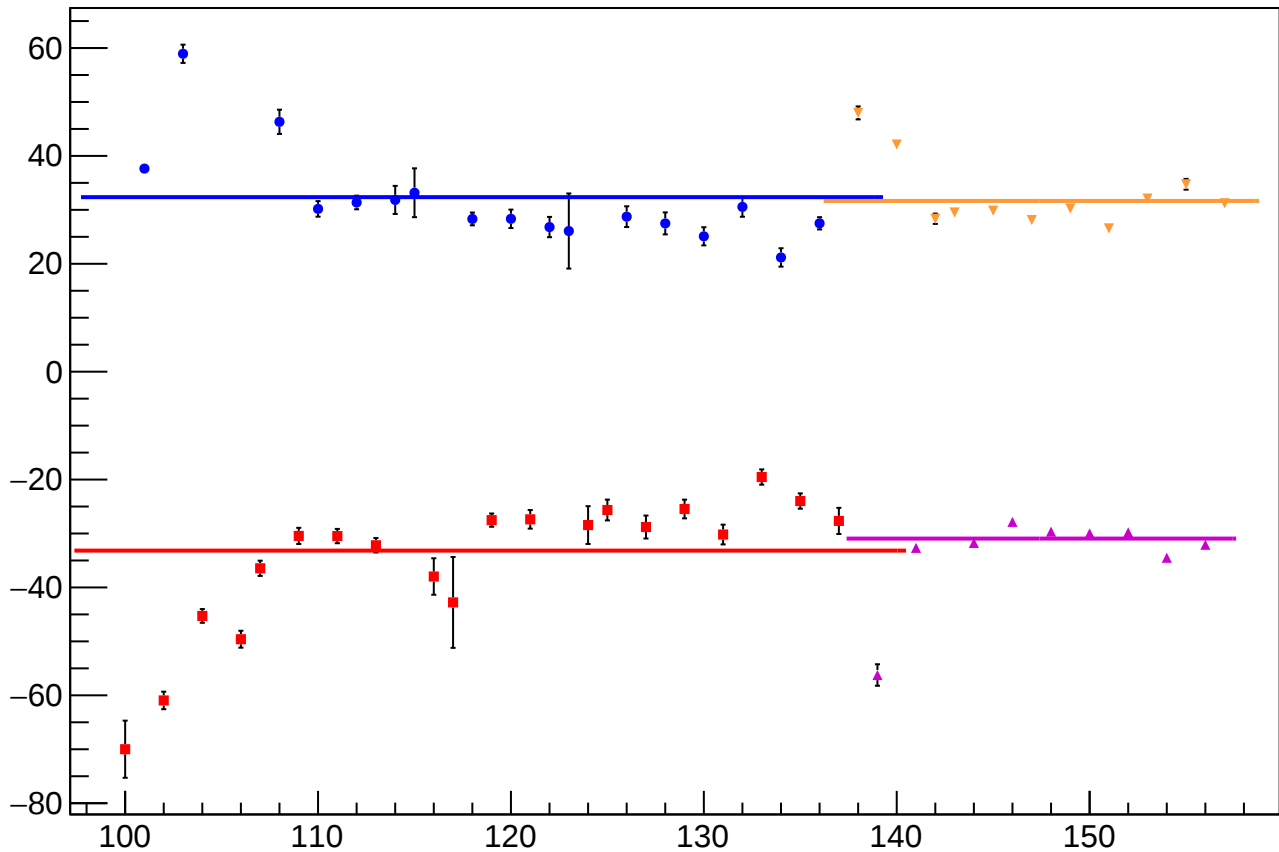
Left In: 26.754+/-0.344 χ^2/NDF :409.8/8

-31.658+/-0.332 χ^2/NDF : 1413.8/10

-3.484+/-0.239 χ^2/NDF : 16712.4/19

26.754+/-0.344 χ^2/NDF : 409.8/8

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 32.355+/-0.375 χ^2/NDF : 450.5/16

Left Out: 31.654+/-0.231 χ^2/NDF : 541.0/10

Right Out: -33.172+/-0.378 χ^2/NDF : 773.3/19

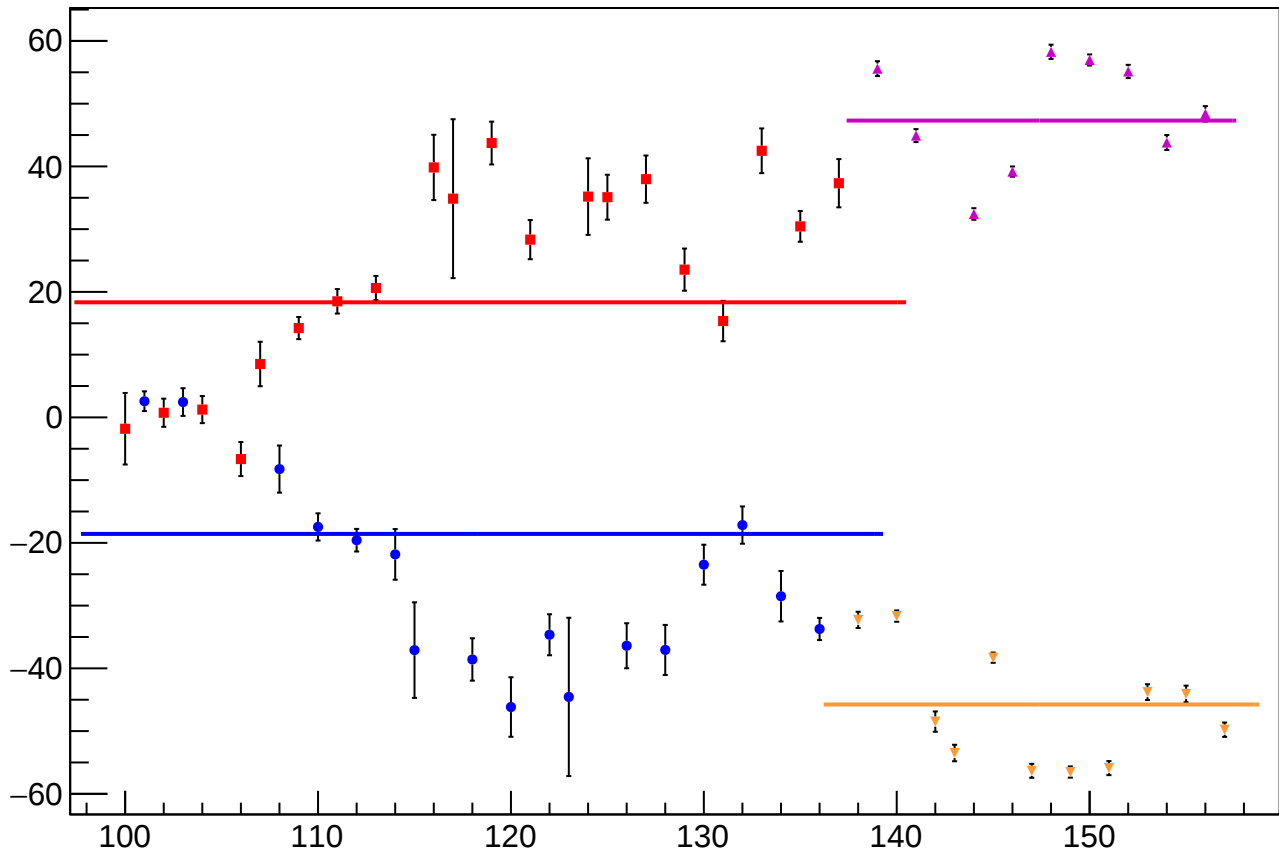
Left In: -30.943+/-0.239 χ^2/NDF : 227.7/8

31.846+/-0.197 χ^2/NDF : 994.0/27

1.020+/-0.141 χ^2/NDF : 52579.7/56

-31.579+/-0.202 χ^2/NDF : 1025.7/28

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -18.572 $\pm$ 0.667 χ^2/NDF : 511.5/16

Left Out: -45.760 $\pm$ 0.332 χ^2/NDF : 803.7/10

Right Out: 18.343 $\pm$ 0.643 χ^2/NDF : 475.1/19

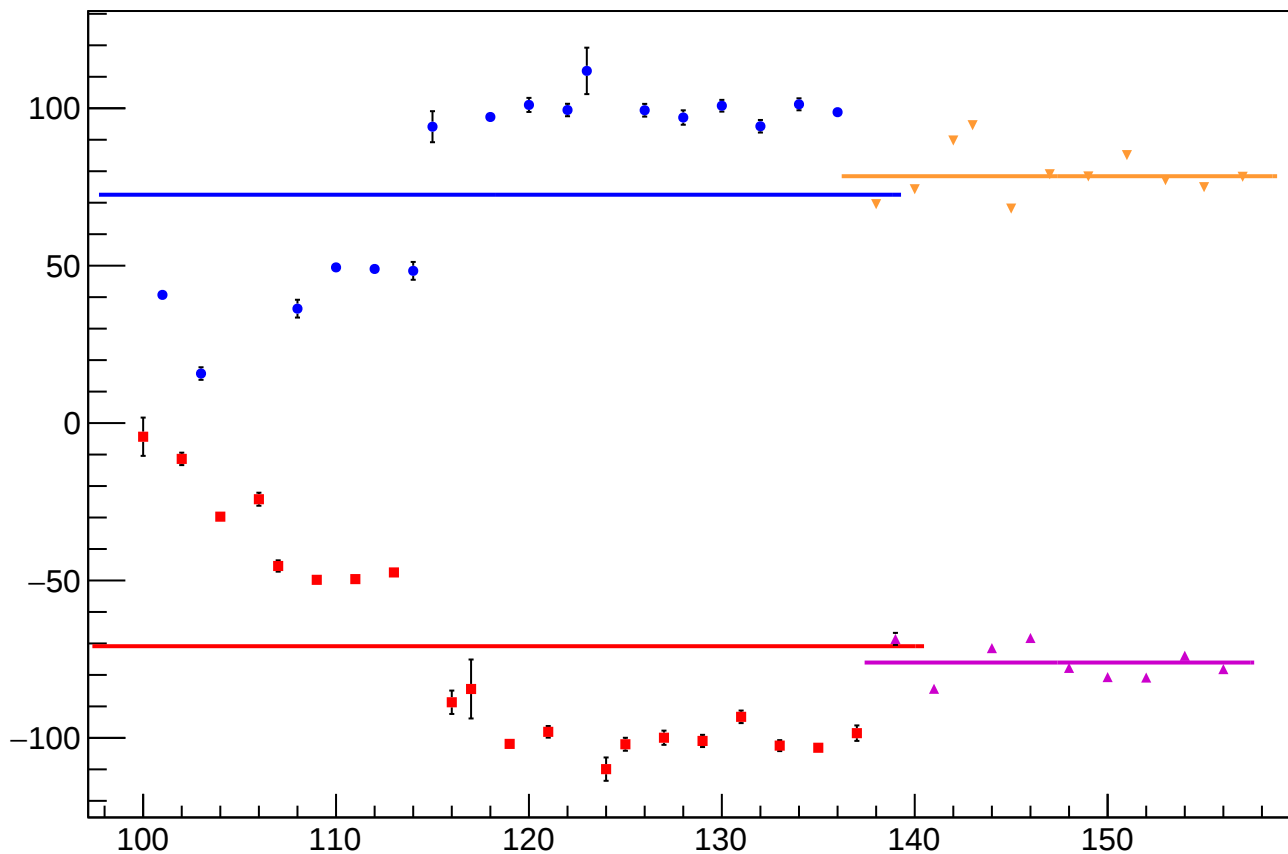
Left In: 47.309 $\pm$ 0.340 χ^2/NDF : 690.8/8

-40.372 $\pm$ 0.297 χ^2/NDF : 2645.5/27

-0.169 $\pm$ 0.211 χ^2/NDF : 42436.7/56

40.977 $\pm$ 0.301 χ^2/NDF : 2751.6/28

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: 78.416+/-0.280 χ^2/NDF : 674.8/10

Right Out: -70.878+/-0.433 χ^2/NDF : 5502.3/19

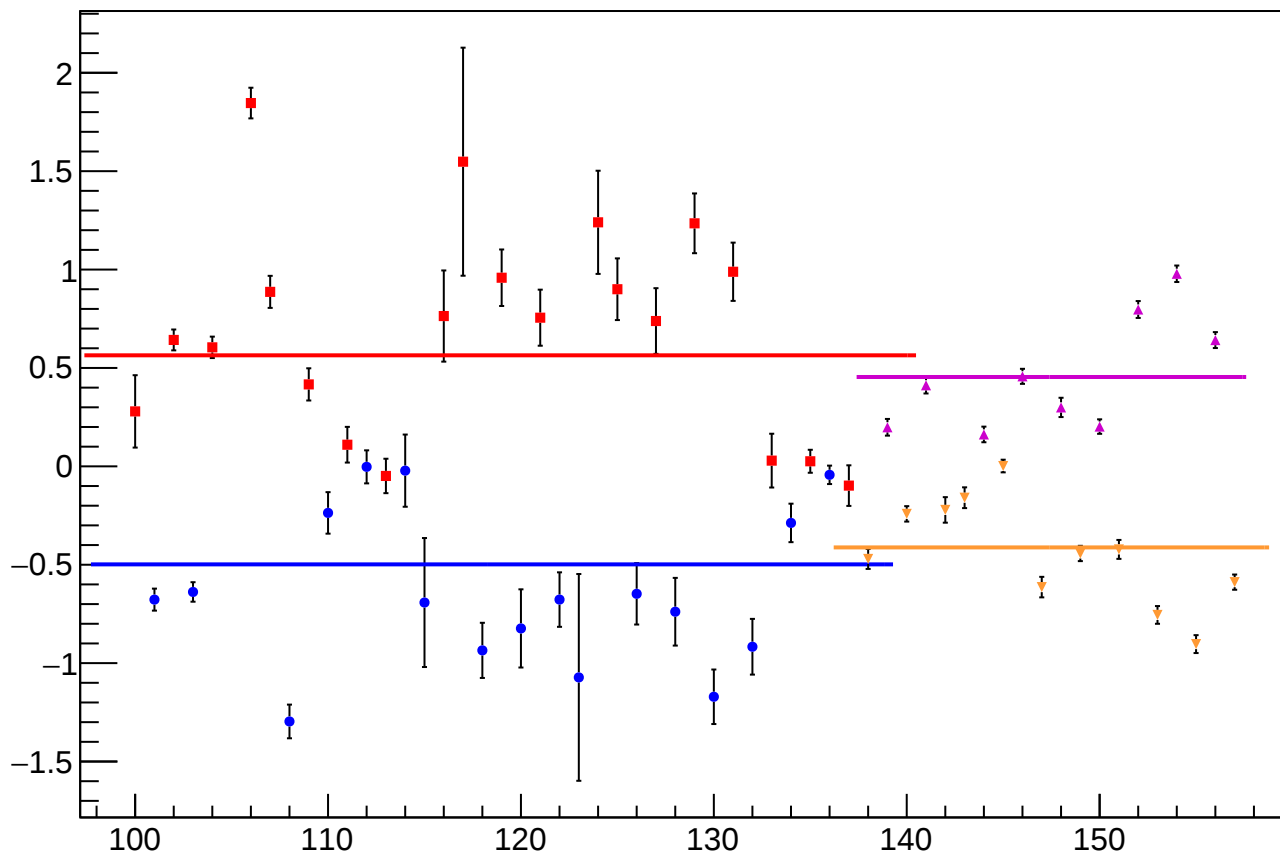
Left In: -76.068+/-0.289 χ^2/NDF : 363.8/8

76.659+/-0.234 χ^2/NDF : 5491.0/27

3.020+/-0.168 χ^2/NDF : 214377.6/56

-74.469+/-0.240 χ^2/NDF : 5965.6/28

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.498 ± 0.022 χ^2/NDF : 302.8/16

Left Out: -0.412 ± 0.013 χ^2/NDF : 428.2/10

Right Out: 0.564 ± 0.021 χ^2/NDF : 563.6/19

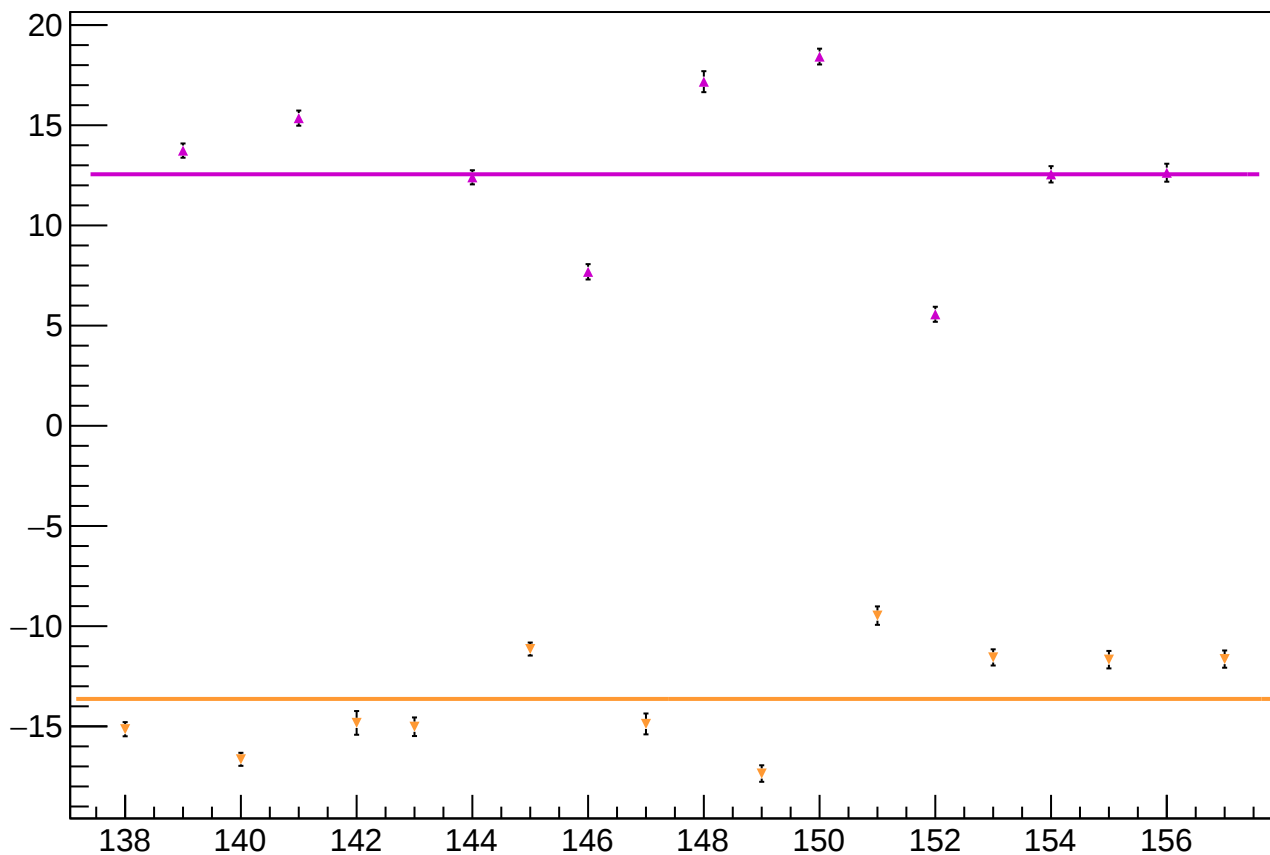
Left In: 0.454 ± 0.014 χ^2/NDF : 390.5/8

-0.434 ± 0.011 χ^2/NDF : 742.0/27

0.020 ± 0.008 χ^2/NDF : 4938.7/56

0.486 ± 0.012 χ^2/NDF : 972.9/28

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -13.631+/-0.124 χ^2/NDF : 412.8/10

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

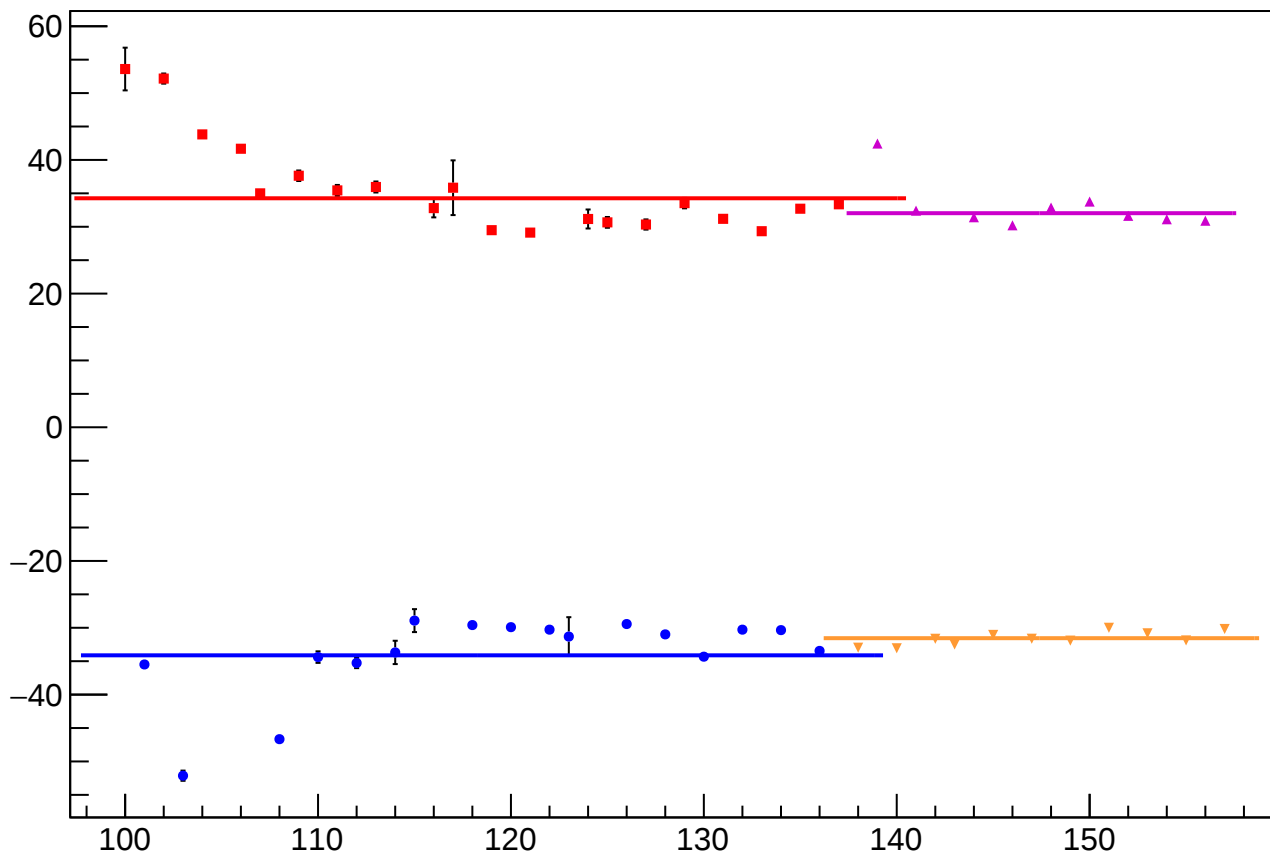
Left In: 12.553+/-0.131 χ^2/NDF : 873.4/8

-13.631+/-0.124 χ^2/NDF : 412.8/10

-1.347+/-0.090 χ^2/NDF : 22357.5/19

12.553+/-0.131 χ^2/NDF : 873.4/8

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: -31.557 ± 0.088 χ^2/NDF : 121.8/10

Right Out: 34.262 ± 0.151 χ^2/NDF : 1355.1/19

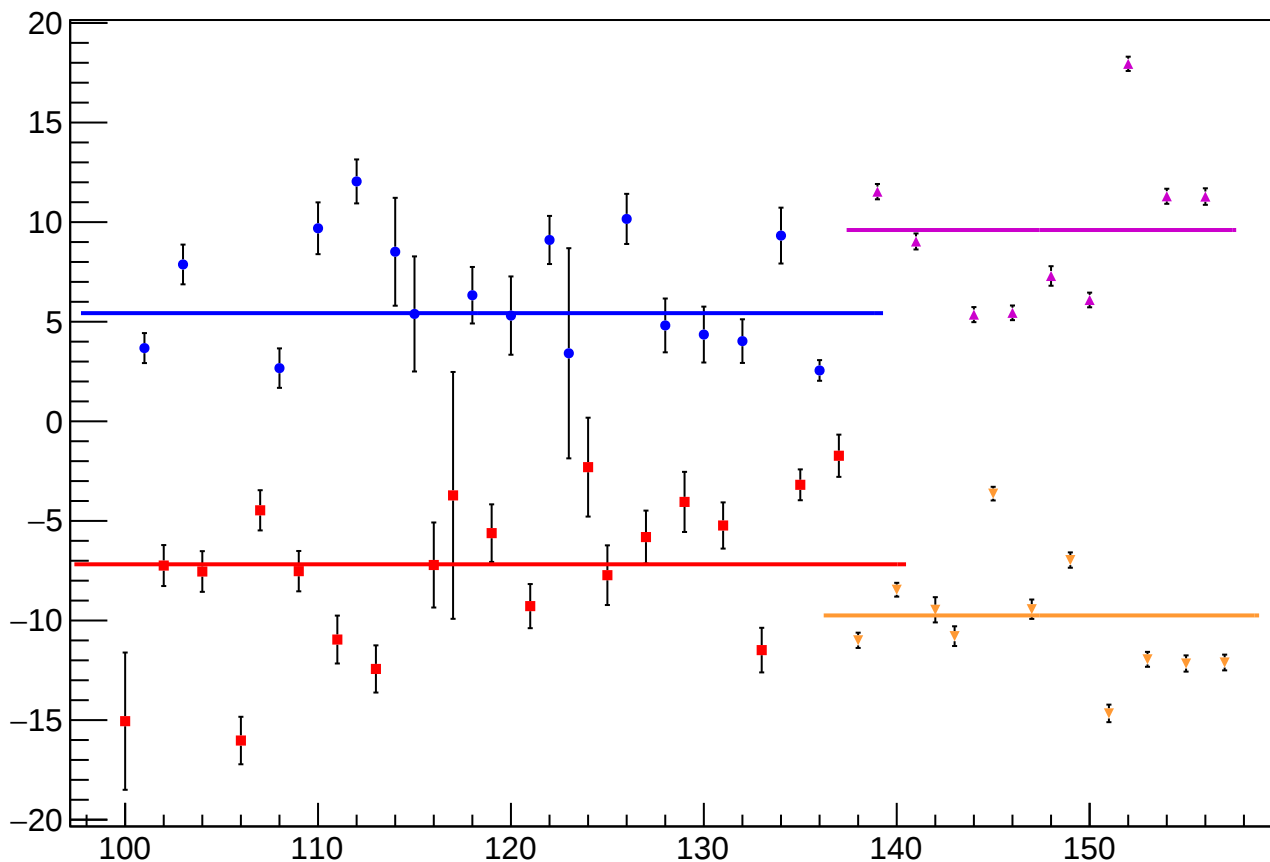
Left In: 32.031 ± 0.094 χ^2/NDF : 405.7/8

-32.200 ± 0.076 χ^2/NDF : 1658.1/27

-1.348 ± 0.055 χ^2/NDF : 350206.7/56

32.656 ± 0.080 χ^2/NDF : 1918.5/28

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.431 ± 0.270 $\chi^2/\text{NDF}: 132.0/16$

Left Out: -9.745 ± 0.123 $\chi^2/\text{NDF}: 629.5/10$

Right Out: -7.178 ± 0.274 $\chi^2/\text{NDF}: 182.4/19$

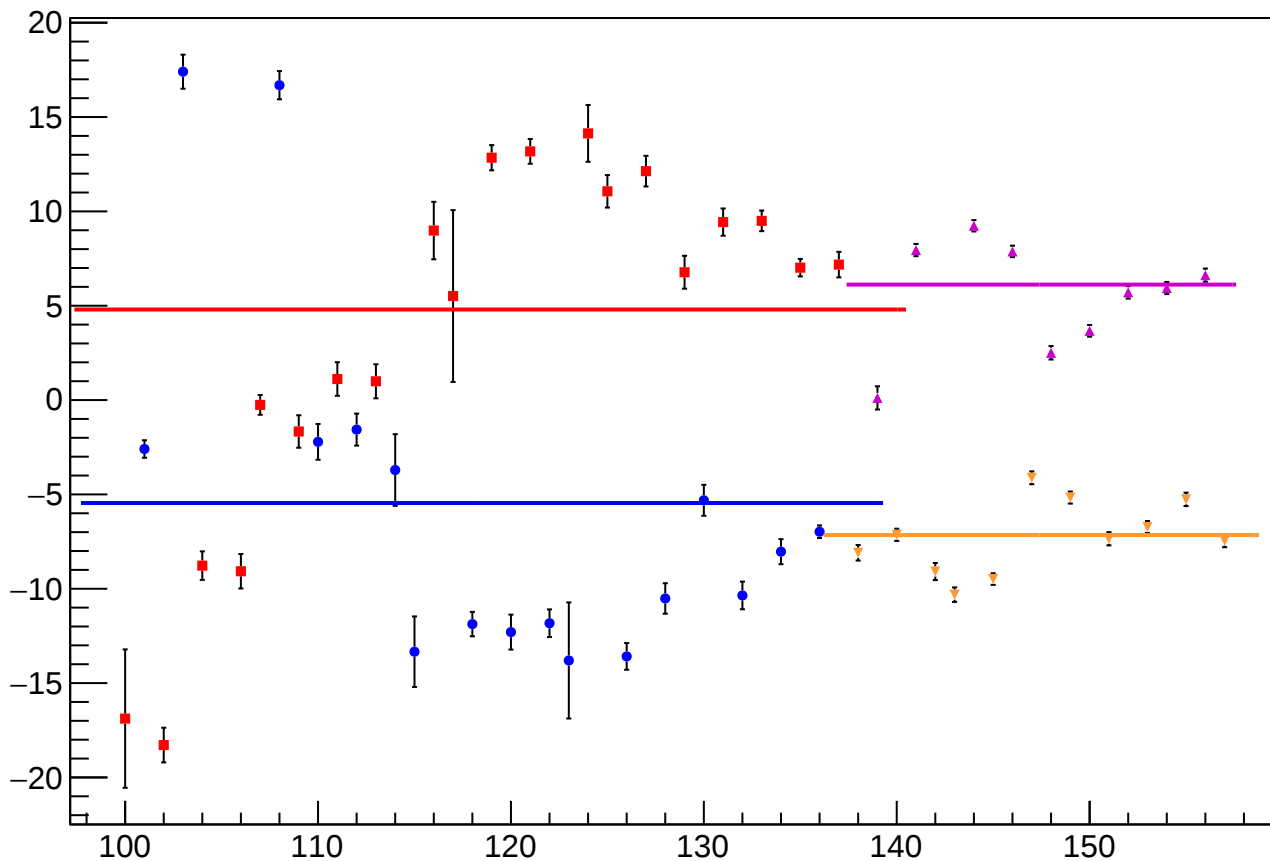
Left In: 9.605 ± 0.130 $\chi^2/\text{NDF}: 969.7/8$

-7.135 ± 0.112 $\chi^2/\text{NDF}: 3369.8/27$

-0.611 ± 0.081 $\chi^2/\text{NDF}: 14672.1/56$

6.531 ± 0.117 $\chi^2/\text{NDF}: 4212.9/28$

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.455 ± 0.171 χ^2/NDF : 2096.5/16

Left Out: -7.154 ± 0.105 χ^2/NDF : 296.6/10

Right Out: 4.799 ± 0.173 χ^2/NDF : 2047.5/19

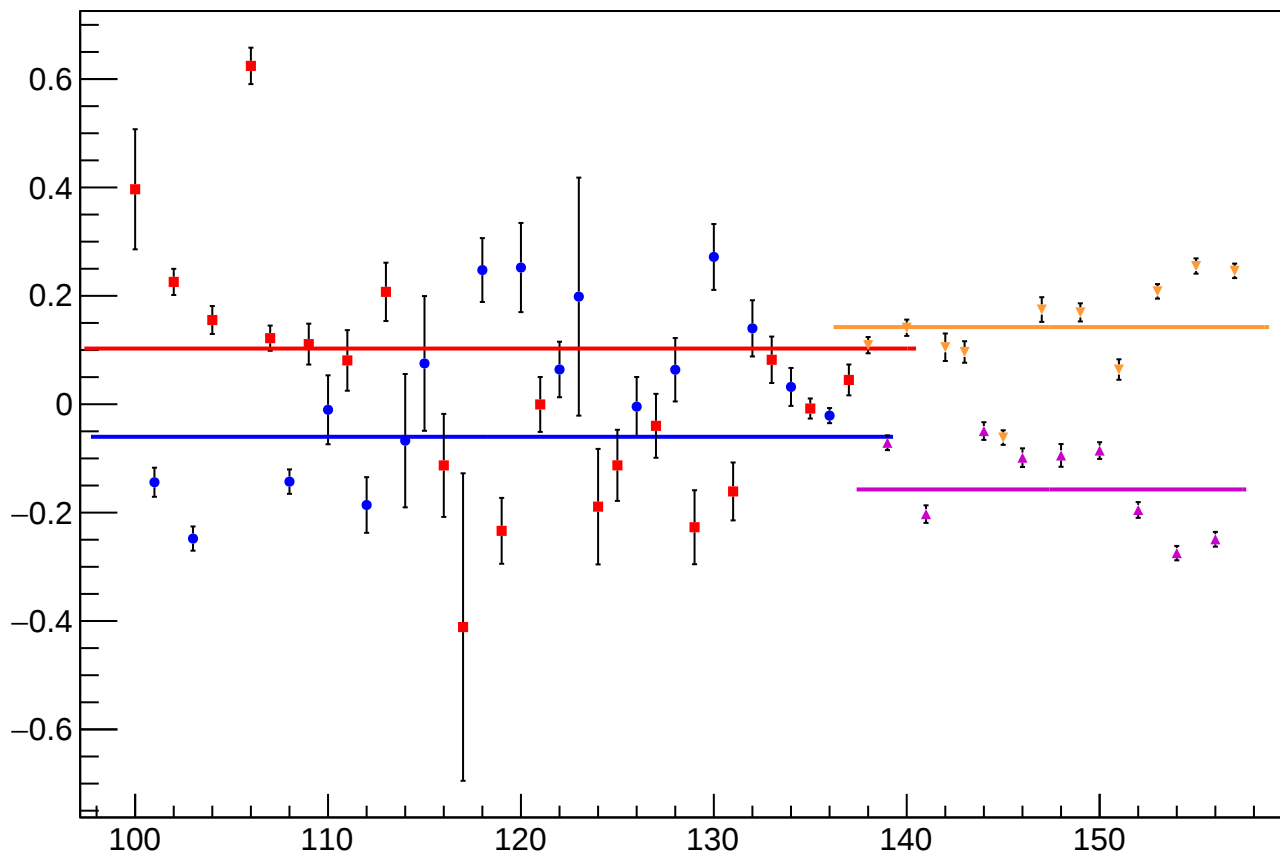
Left In: 6.120 ± 0.112 χ^2/NDF : 436.6/8

-6.686 ± 0.090 χ^2/NDF : 2464.8/27

-0.788 ± 0.065 χ^2/NDF : 14099.7/56

5.727 ± 0.094 χ^2/NDF : 2525.0/28

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.060 ± 0.008 χ^2/NDF : 215.5/16

Left Out: 0.142 ± 0.005 χ^2/NDF : 412.7/10

Right Out: 0.103 ± 0.008 χ^2/NDF : 437.6/19

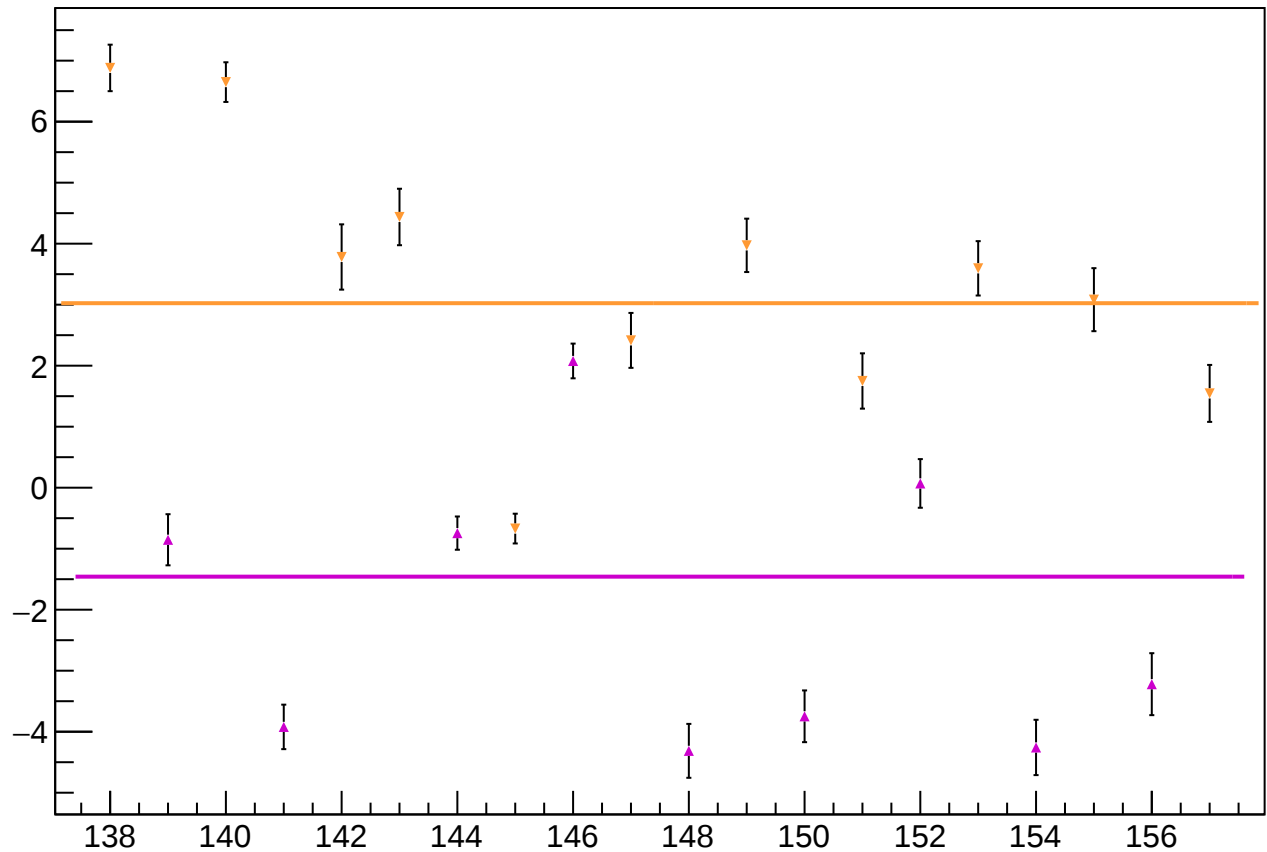
Left In: -0.157 ± 0.005 χ^2/NDF : 264.2/8

0.092 ± 0.004 χ^2/NDF : 1064.7/27

0.006 ± 0.003 χ^2/NDF : 3351.4/56

-0.088 ± 0.004 χ^2/NDF : 1398.3/28

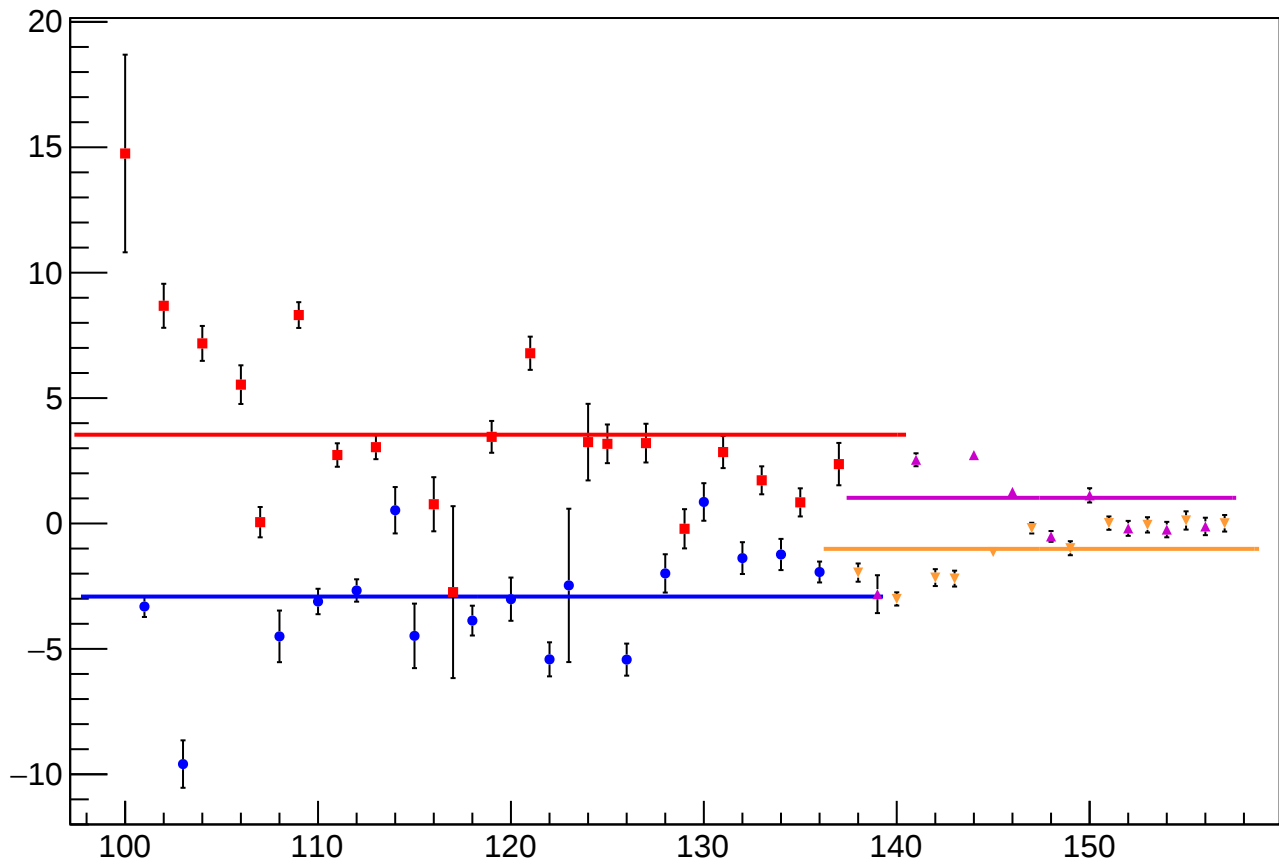
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.024 $\pm$ 0.120 χ^2 /NDF:493.5/10
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -1.458 $\pm$ 0.124 χ^2 /NDF:344.8/8

3.024 $\pm$ 0.120 χ^2 /NDF: 493.5/10
 0.866 $\pm$ 0.086 χ^2 /NDF: 1512.8/19
 -1.458 $\pm$ 0.124 χ^2 /NDF: 344.8/8

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.914 ± 0.155 χ^2/NDF : 146.1/16

Left Out: -1.012 ± 0.084 χ^2/NDF : 148.8/10

Right Out: 3.540 ± 0.154 χ^2/NDF : 294.2/19

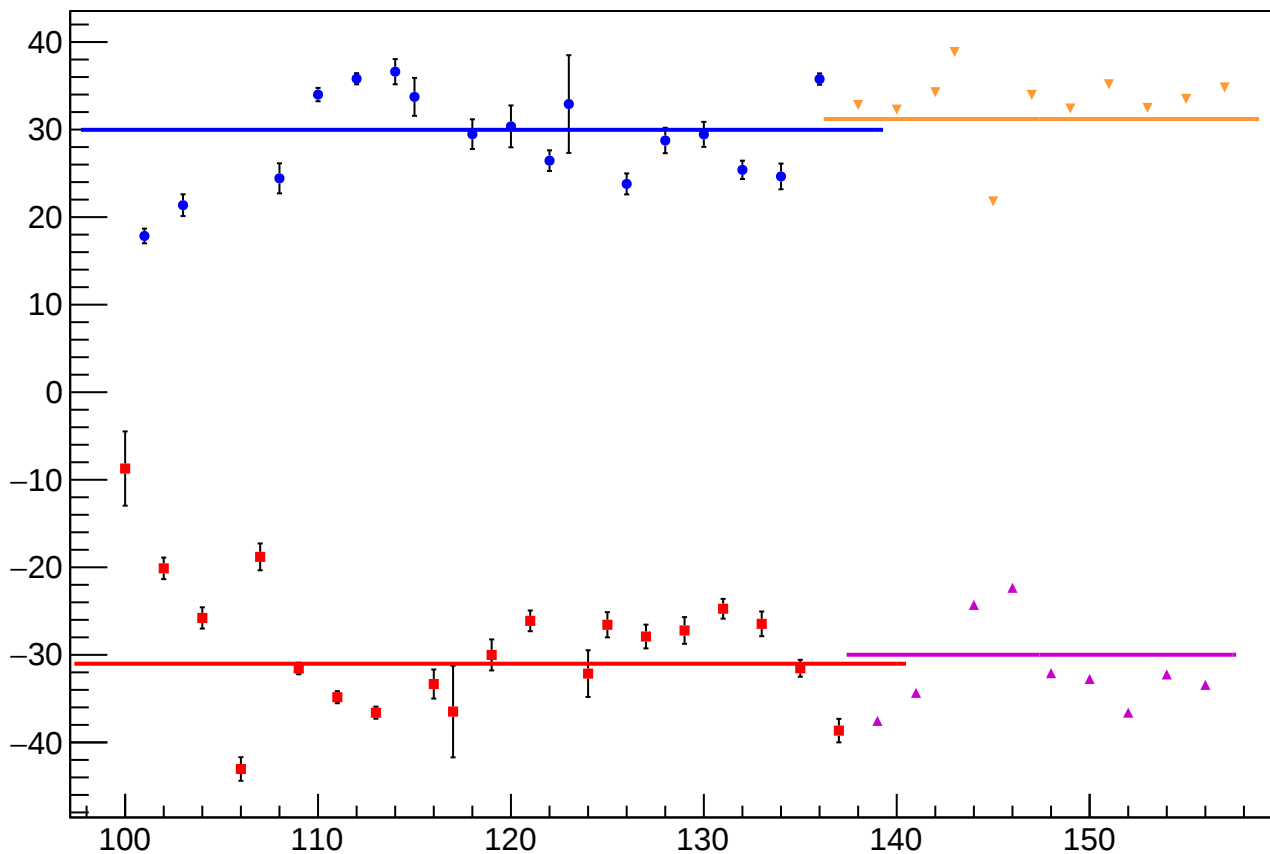
Left In: 1.023 ± 0.085 χ^2/NDF : 234.0/8

-1.442 ± 0.074 χ^2/NDF : 411.7/27

0.069 ± 0.052 χ^2/NDF : 1993.5/56

1.604 ± 0.074 χ^2/NDF : 732.5/28

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.972 ± 0.267 χ^2/NDF : 554.3/16

Left Out: 31.208 ± 0.121 χ^2/NDF : 1844.5/10

Right Out: -31.013 ± 0.260 χ^2/NDF : 480.6/19

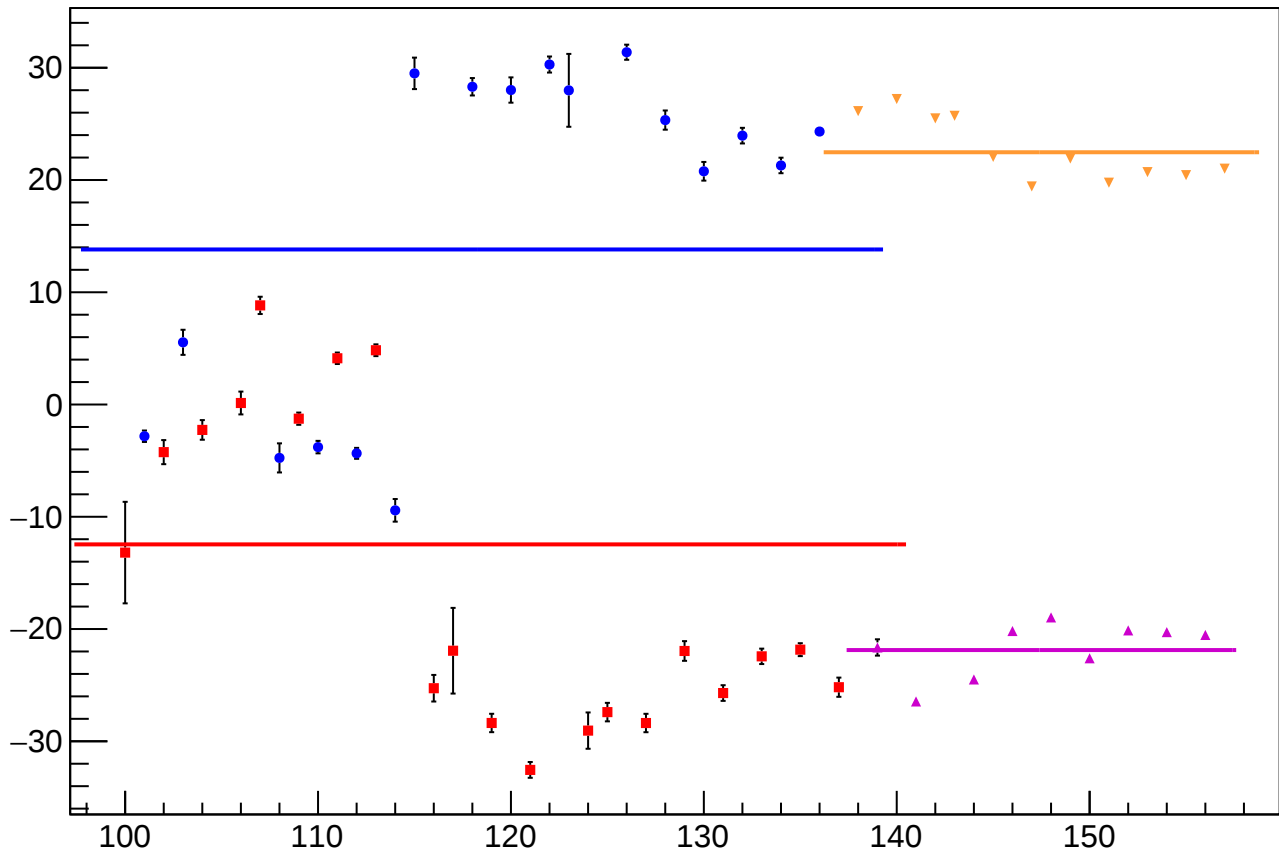
Left In: -29.986 ± 0.123 χ^2/NDF : 2025.1/8

30.999 ± 0.110 χ^2/NDF : 2416.6/27

0.788 ± 0.078 χ^2/NDF : 157754.6/56

-30.175 ± 0.111 χ^2/NDF : 2518.4/28

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.813 ± 0.173 χ^2/NDF : 7318.6/16

Left Out: 22.473 ± 0.101 χ^2/NDF : 662.0/10

Right Out: -12.460 ± 0.174 χ^2/NDF : 6976.5/19

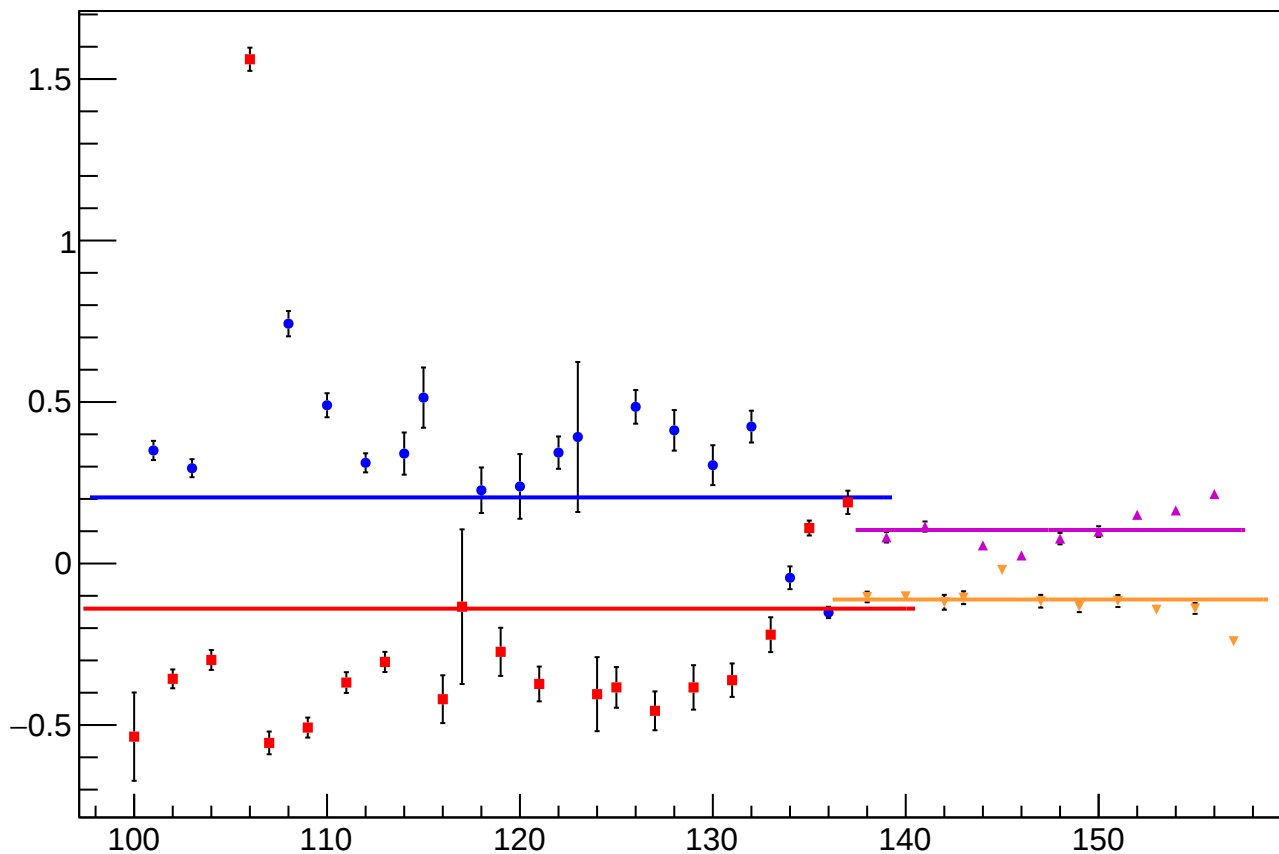
Left In: -21.874 ± 0.103 χ^2/NDF : 558.2/8

20.254 ± 0.087 χ^2/NDF : 9851.6/27

0.704 ± 0.062 χ^2/NDF : 121093.9/56

-19.417 ± 0.089 χ^2/NDF : 9709.1/28

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 ± 0.009 χ^2/NDF : 845.8/16

Left Out: -0.111 ± 0.005 χ^2/NDF : 170.4/10

Right Out: -0.140 ± 0.009 χ^2/NDF : 3014.2/19

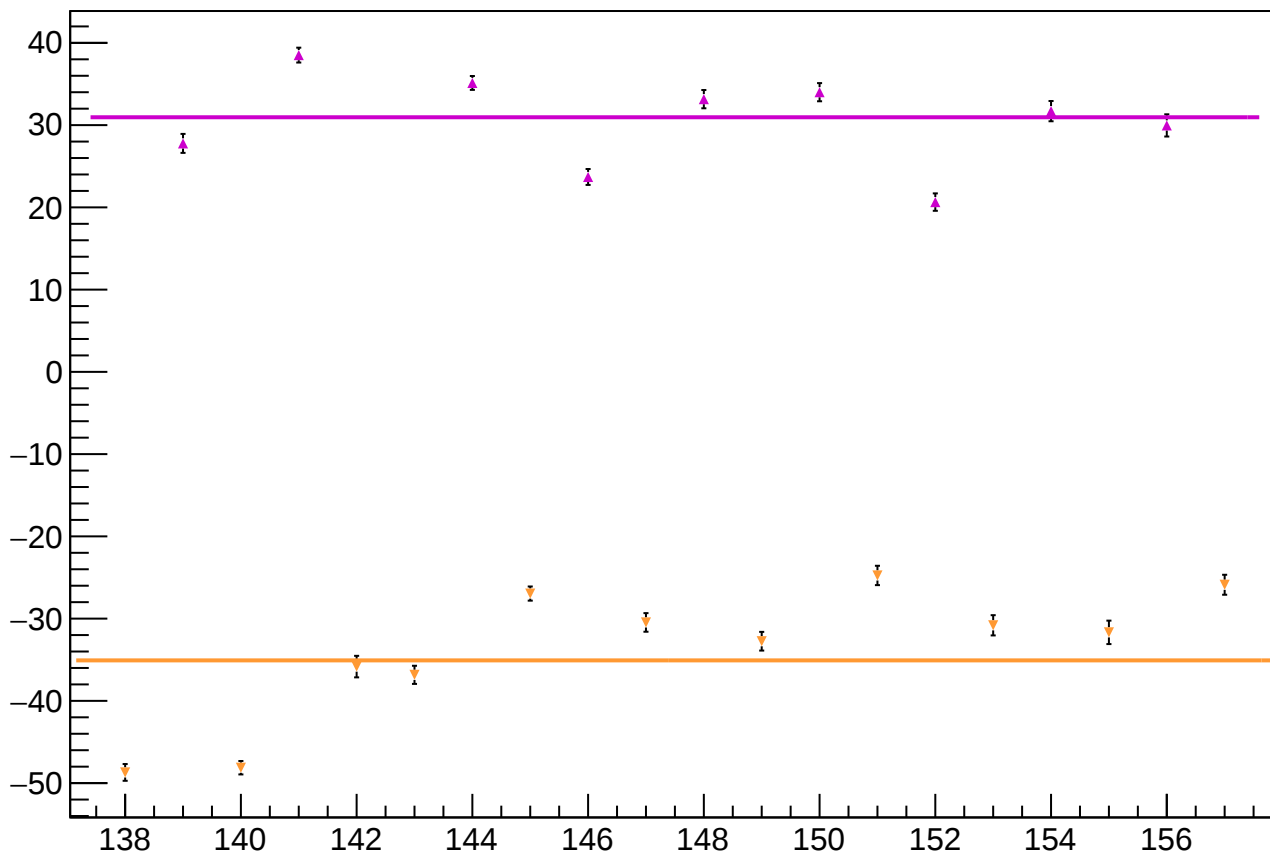
Left In: 0.104 ± 0.005 χ^2/NDF : 135.4/8

-0.046 ± 0.004 χ^2/NDF : 1918.4/27

-0.000 ± 0.003 χ^2/NDF : 5848.4/56

0.049 ± 0.004 χ^2/NDF : 3690.5/28

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -35.079+/-0.327 χ^2/NDF : 699.0/10

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

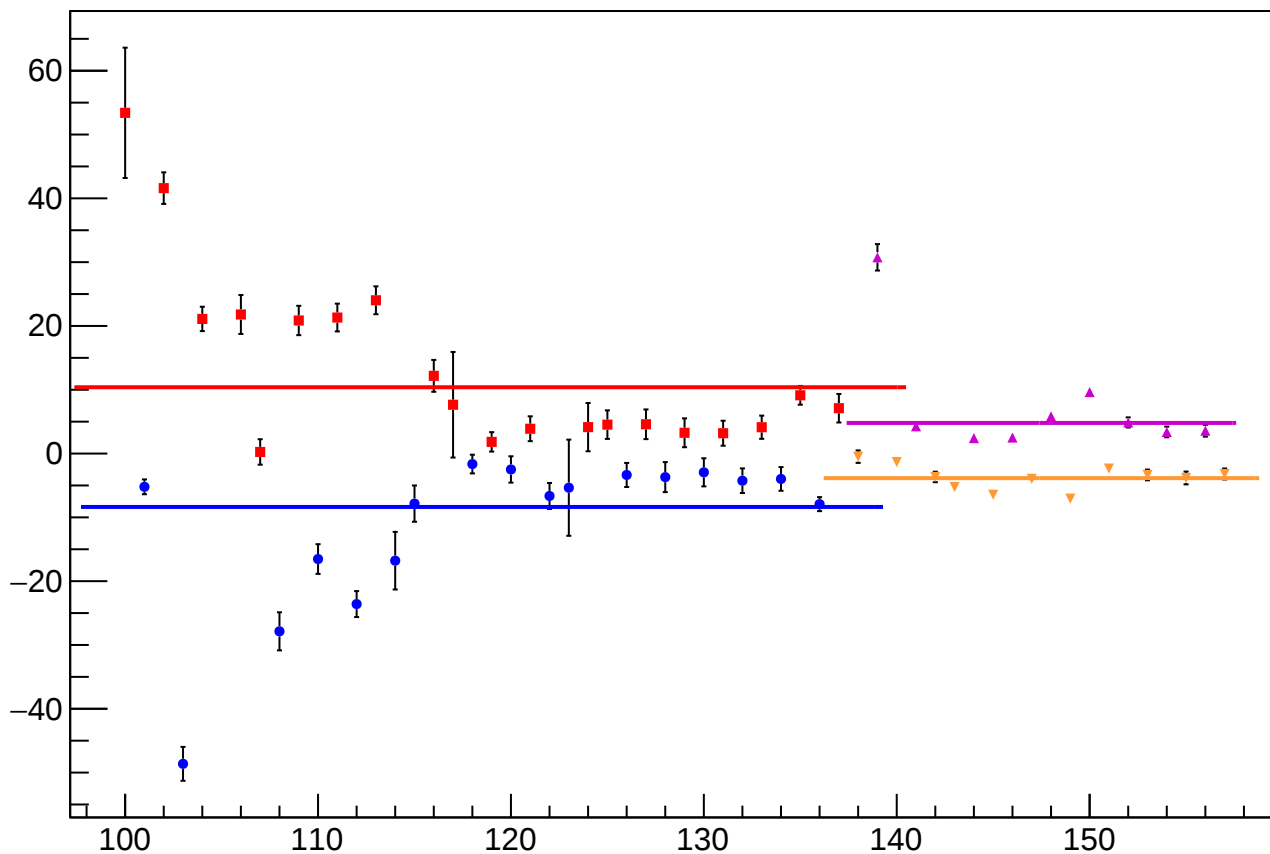
Left In: 30.956+/-0.350 χ^2/NDF : 265.5/8

-35.079+/-0.327 χ^2/NDF : 699.0/10

-4.223+/-0.239 χ^2/NDF : 19968.2/19

30.956+/-0.350 χ^2/NDF : 265.5/8

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.367 ± 0.466 χ^2/NDF : 408.8/16

Left Out: -3.852 ± 0.225 χ^2/NDF : 69.1/10

Right Out: 10.396 ± 0.490 χ^2/NDF : 430.4/19

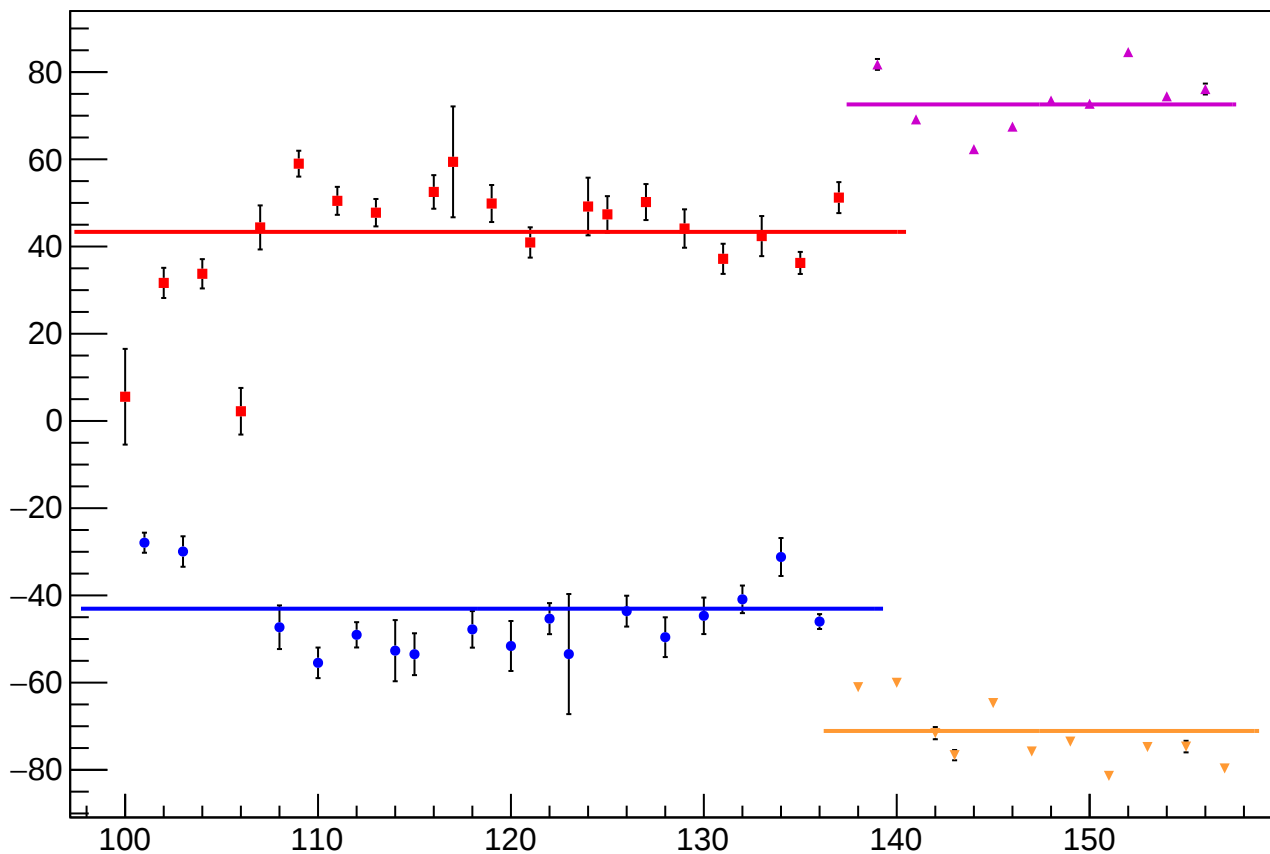
Left In: 4.802 ± 0.236 χ^2/NDF : 240.1/8

-4.703 ± 0.202 χ^2/NDF : 554.0/27

0.313 ± 0.147 χ^2/NDF : 2624.6/56

5.854 ± 0.213 χ^2/NDF : 776.3/28

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: -71.083 ± 0.328 χ^2/NDF : 500.7/10

Right Out: 43.357 ± 0.865 χ^2/NDF : 156.0/19

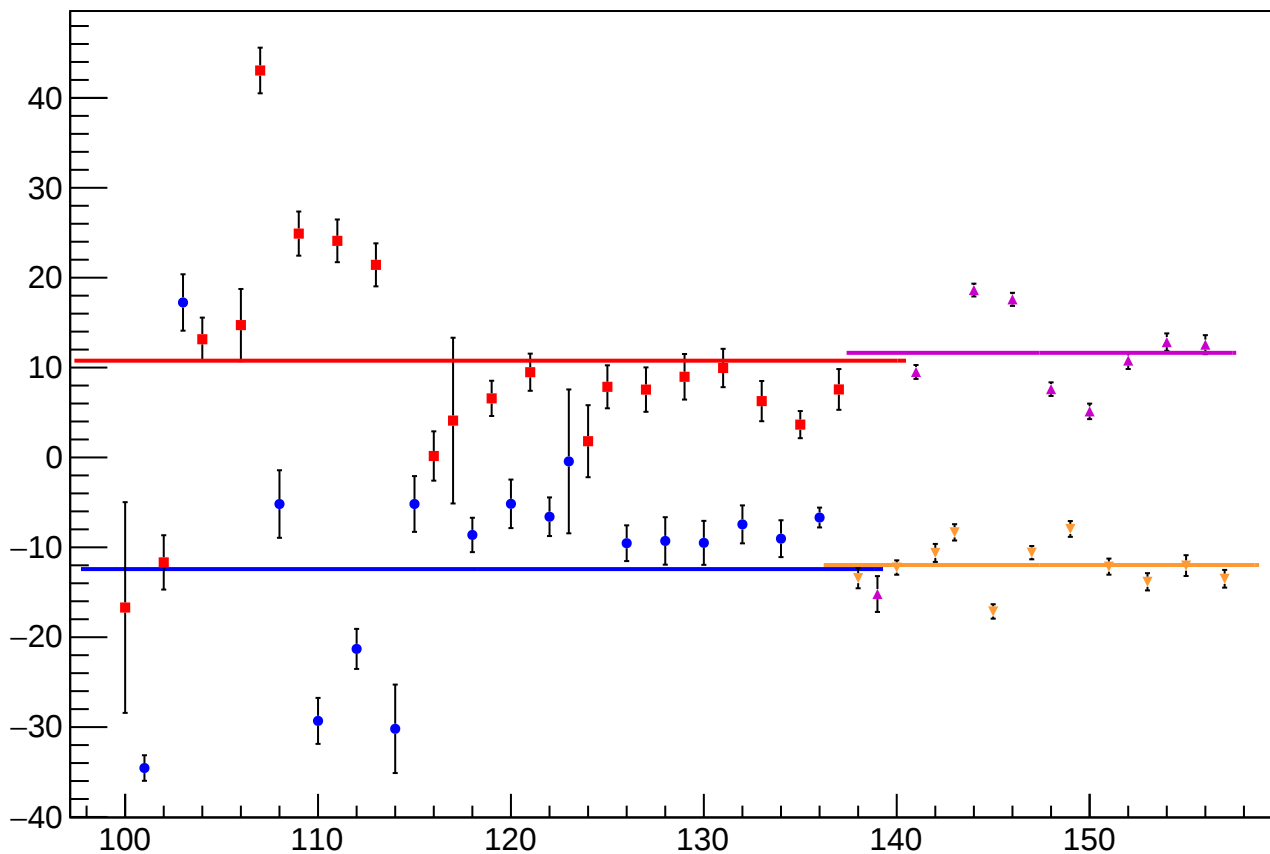
Left In: 72.584 ± 0.346 χ^2/NDF : 377.6/8

-67.345 ± 0.306 χ^2/NDF : 1571.5/27

-2.751 ± 0.221 χ^2/NDF : 97004.1/56

68.555 ± 0.321 χ^2/NDF : 1517.4/28

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.421 ± 0.523 χ^2/NDF : 474.4/16

Left Out: -11.969 ± 0.274 χ^2/NDF : 91.5/10

Right Out: 10.766 ± 0.553 χ^2/NDF : 366.3/19

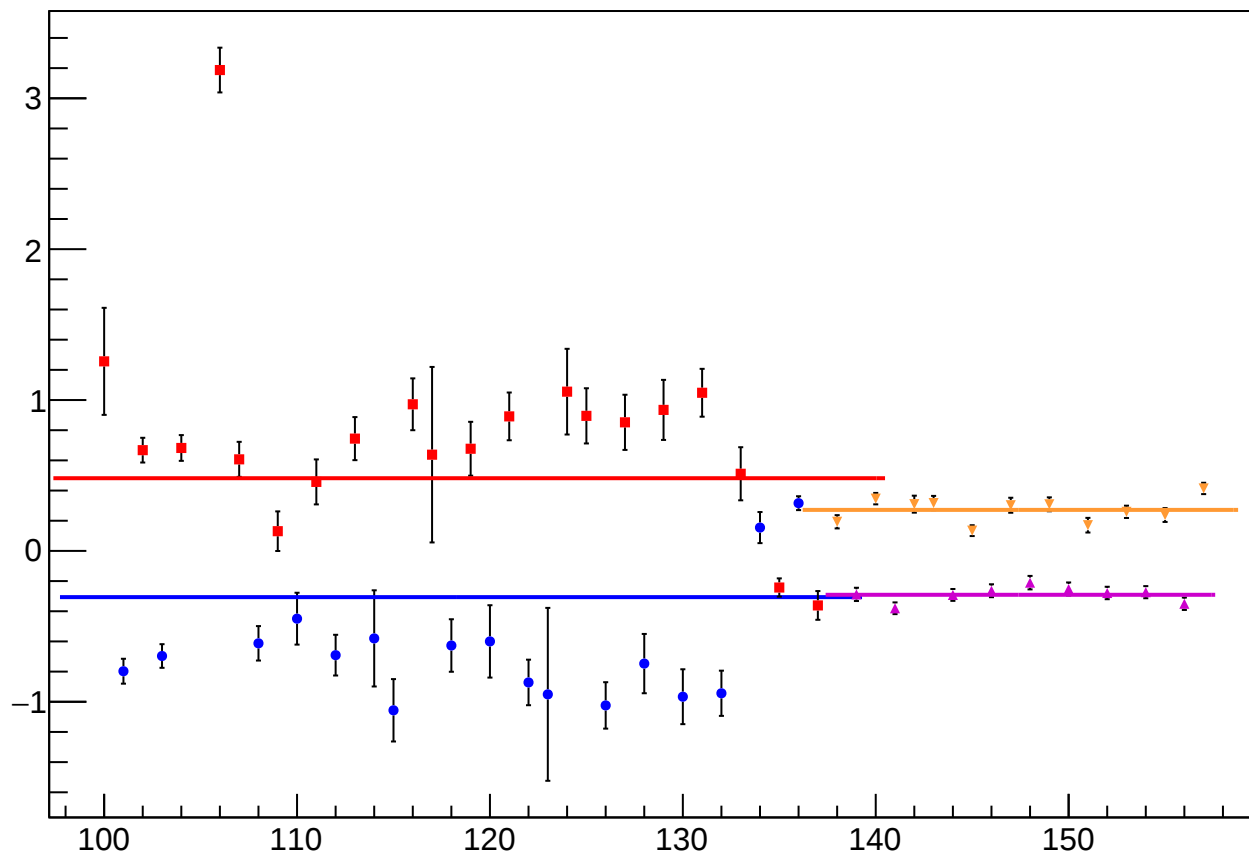
Left In: 11.639 ± 0.289 χ^2/NDF : 440.5/8

-12.066 ± 0.243 χ^2/NDF : 566.5/27

-0.941 ± 0.176 χ^2/NDF : 5819.9/56

11.452 ± 0.256 χ^2/NDF : 808.8/28

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.306 ± 0.028 χ^2/NDF : 371.7/16

Left Out: 0.272 ± 0.013 χ^2/NDF : 43.4/10

Right Out: 0.482 ± 0.029 χ^2/NDF : 628.3/19

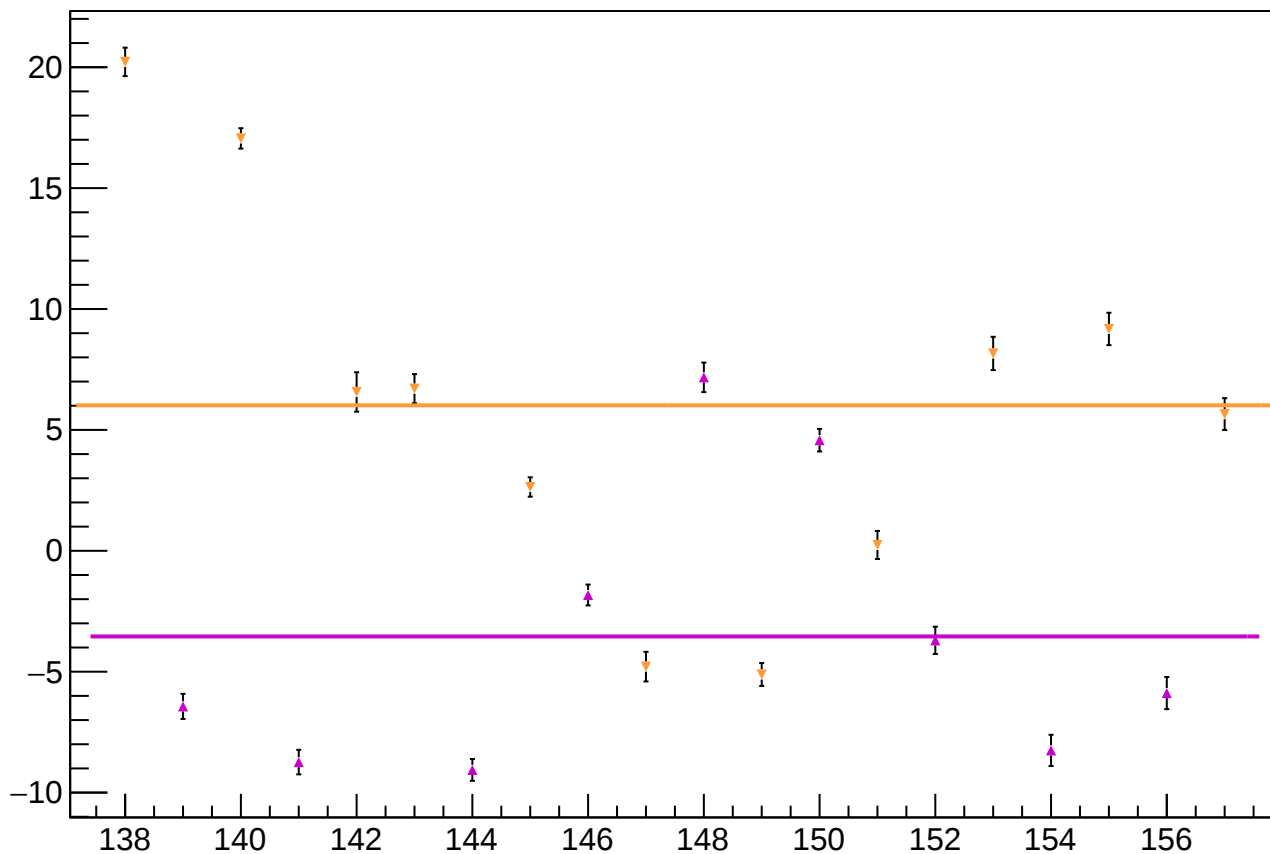
Left In: -0.291 ± 0.014 χ^2/NDF : 12.0/8

0.165 ± 0.012 χ^2/NDF : 774.0/27

0.019 ± 0.009 χ^2/NDF : 2329.3/56

-0.144 ± 0.012 χ^2/NDF : 1232.7/28

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 6.017 $\pm$ 0.167 χ^2 /NDF:2335.7/10

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

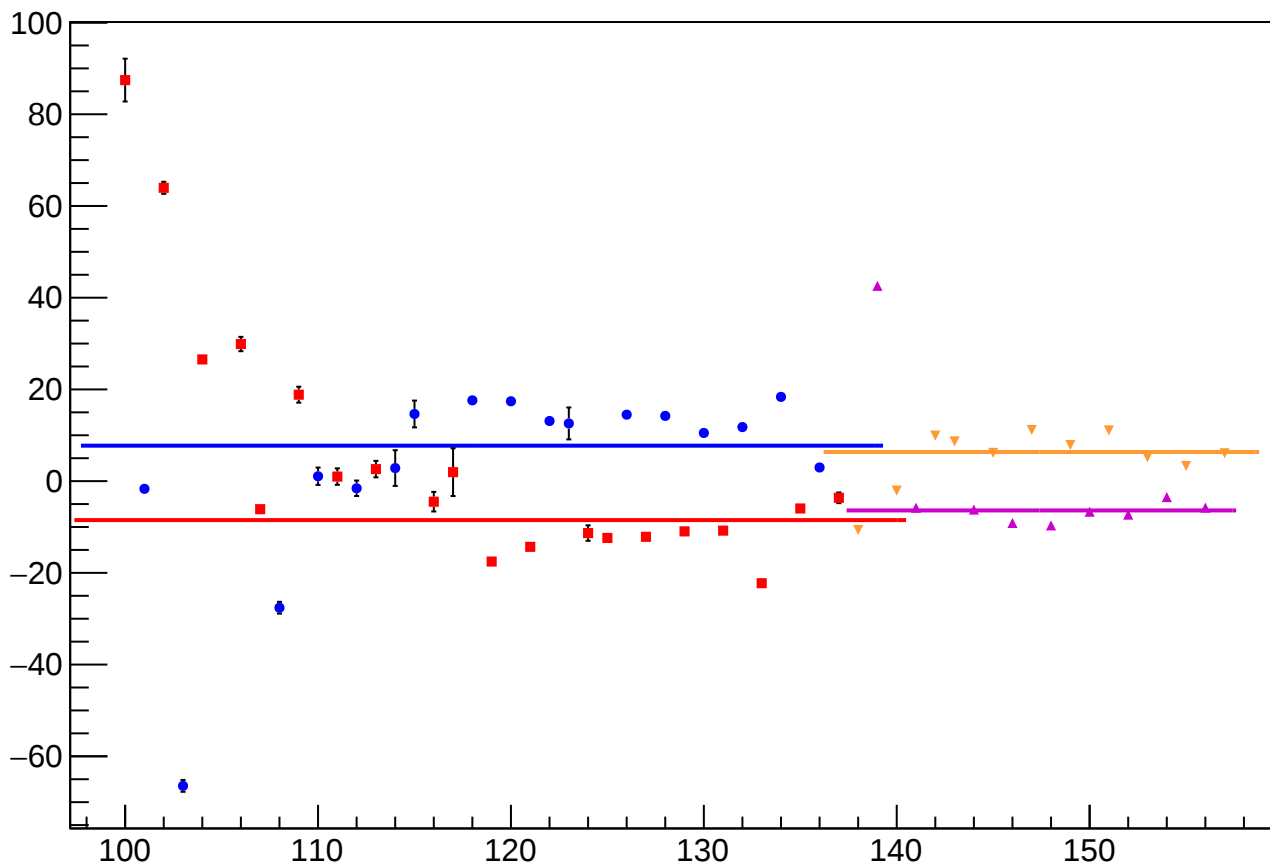
Left In: -3.541 $\pm$ 0.174 χ^2 /NDF:977.7/8

6.017 $\pm$ 0.167 χ^2 /NDF: 2335.7/10

1.428 $\pm$ 0.121 χ^2 /NDF: 4880.1/19

-3.541 $\pm$ 0.174 χ^2 /NDF: 977.7/8

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.737 ± 0.218 χ^2/NDF : 5300.6/16

Left Out: 6.350 ± 0.116 χ^2/NDF : 1997.2/10

Right Out: -8.496 ± 0.213 χ^2/NDF : 6723.5/19

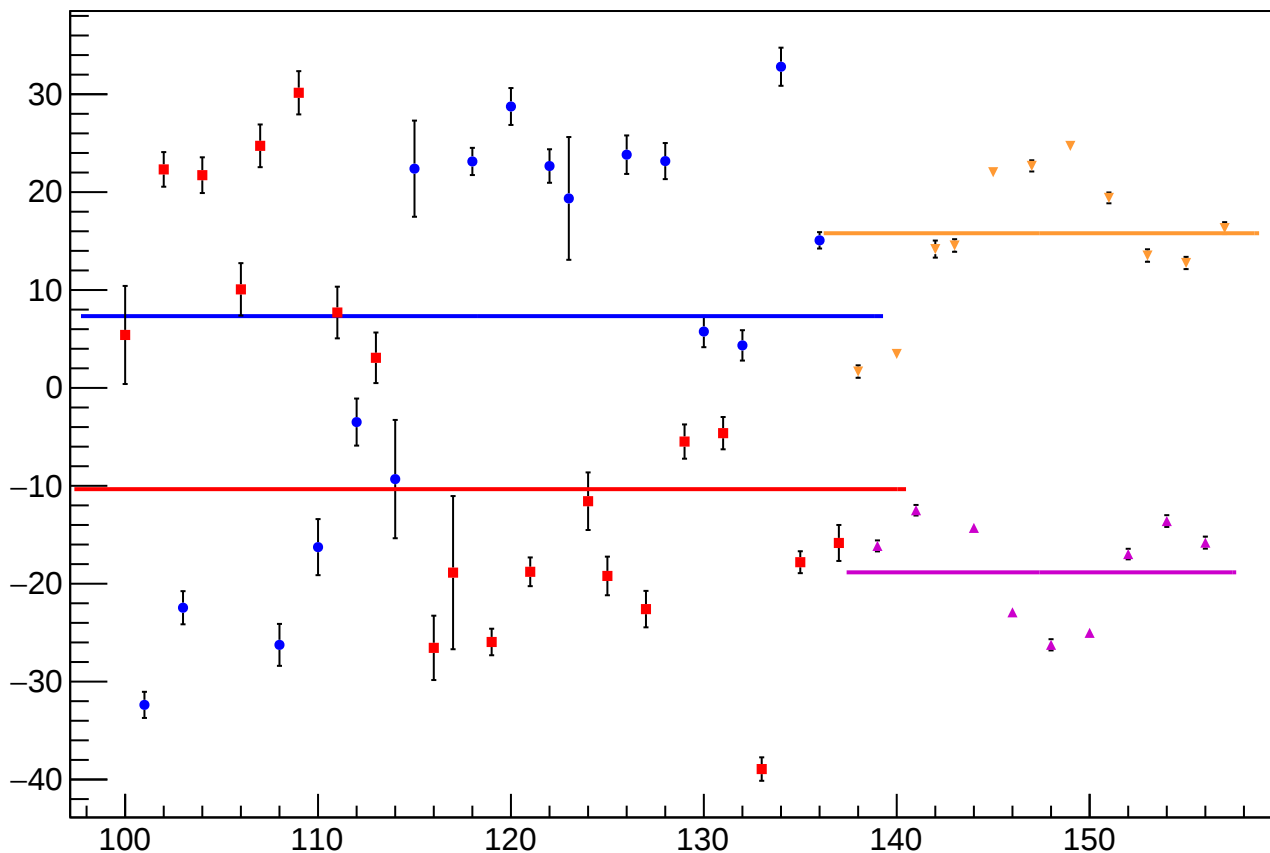
Left In: -6.388 ± 0.122 χ^2/NDF : 2954.4/8

6.657 ± 0.103 χ^2/NDF : 7329.3/27

0.065 ± 0.074 χ^2/NDF : 25567.6/56

-6.906 ± 0.106 χ^2/NDF : 9751.7/28

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 7.333 ± 0.419 $\chi^2/\text{NDF}: 2293.1/16$

Left Out: 15.800 ± 0.167 $\chi^2/\text{NDF}: 2096.1/10$

Right Out: -10.342 ± 0.416 $\chi^2/\text{NDF}: 2282.7/19$

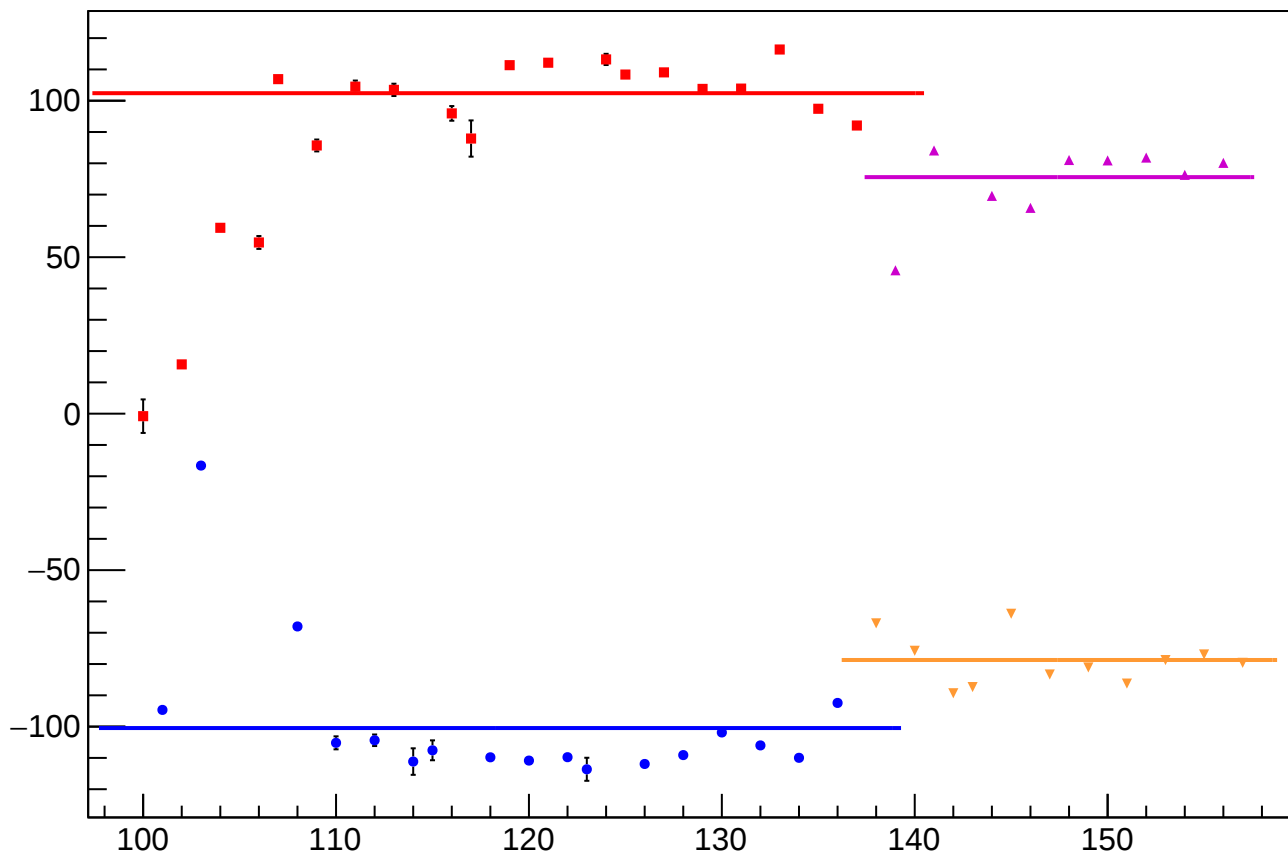
Left In: -18.840 ± 0.172 $\chi^2/\text{NDF}: 826.9/8$

14.637 ± 0.155 $\chi^2/\text{NDF}: 4742.1/27$

-1.107 ± 0.111 $\chi^2/\text{NDF}: 29292.6/56$

-17.603 ± 0.159 $\chi^2/\text{NDF}: 3465.7/28$

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -100.457 ± 0.251 χ^2/NDF : 4461.1/16

Left Out: -78.709 ± 0.141 χ^2/NDF : 2935.1/10

Right Out: 102.405 ± 0.246 χ^2/NDF : 6100.6/19

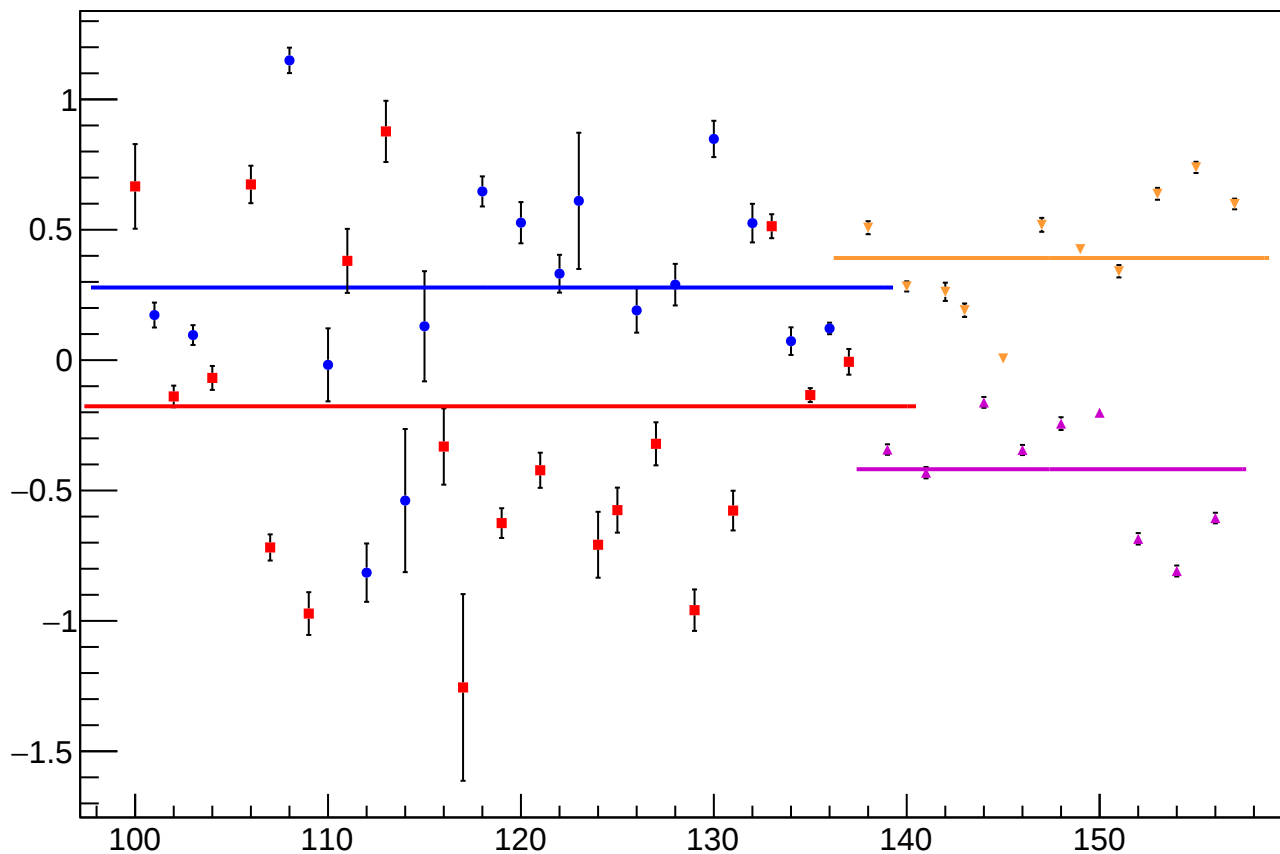
Left In: 75.585 ± 0.147 χ^2/NDF : 3134.9/8

-83.929 ± 0.123 χ^2/NDF : 13113.4/27

-2.753 ± 0.088 χ^2/NDF : 926959.7/56

82.617 ± 0.126 χ^2/NDF : 18002.7/28

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.279 ± 0.014 χ^2/NDF : 653.9/16

Left Out: 0.392 ± 0.007 χ^2/NDF : 1170.5/10

Right Out: -0.177 ± 0.013 χ^2/NDF : 976.8/19

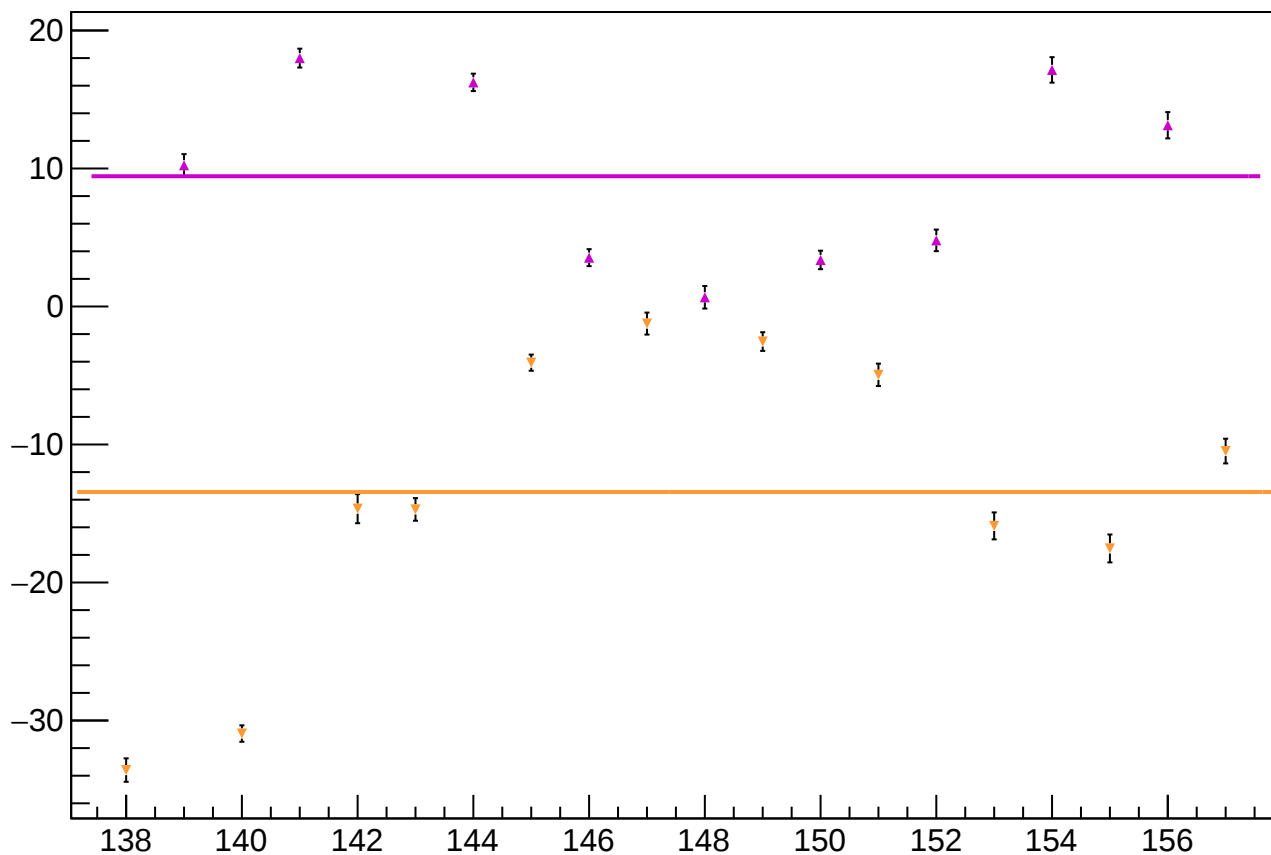
Left In: -0.418 ± 0.007 χ^2/NDF : 951.3/8

0.370 ± 0.006 χ^2/NDF : 1880.7/27

0.010 ± 0.004 χ^2/NDF : 11469.9/56

-0.368 ± 0.006 χ^2/NDF : 2182.4/28

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: -13.440+/-0.235 χ^2/NDF : 2320.6/10

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

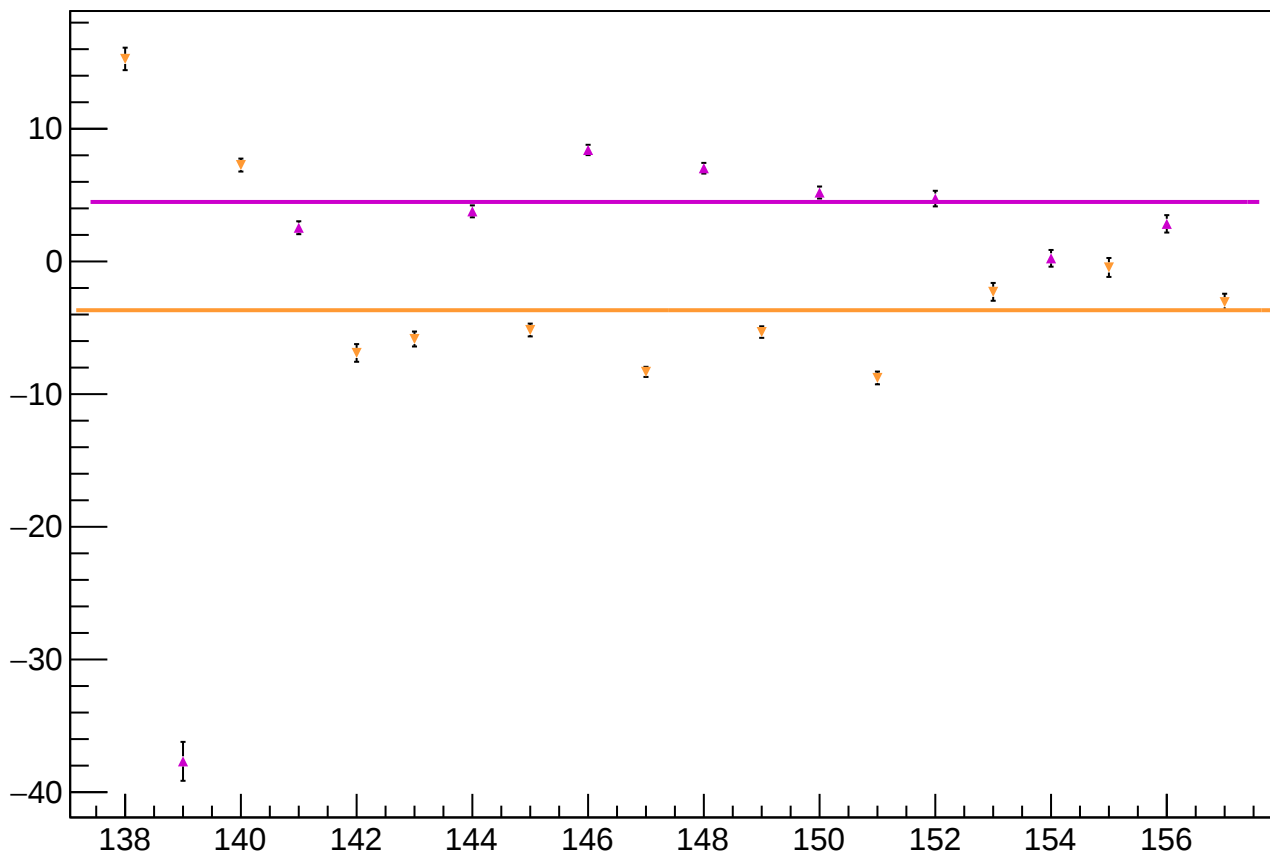
Left In: 9.438+/-0.246 χ^2/NDF : 683.6/8

-13.440+/-0.235 χ^2/NDF : 2320.6/10

-2.525+/-0.170 χ^2/NDF : 7509.9/19

9.438+/-0.246 χ^2/NDF : 683.6/8

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: -3.675+/-0.161 χ^2/NDF : 1349.2/10

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

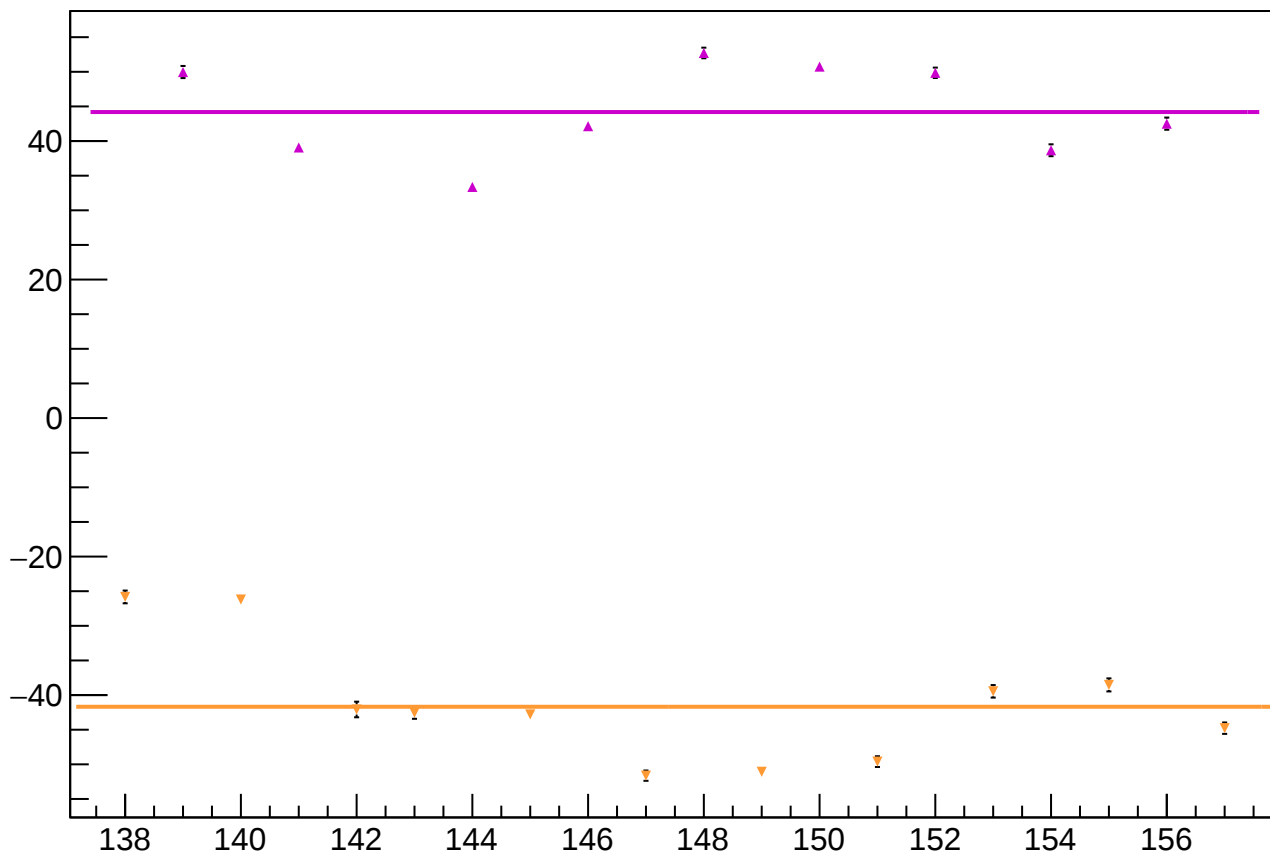
Left In: 4.485+/-0.169 χ^2/NDF : 1040.5/8

-3.675+/-0.161 χ^2/NDF : 1349.2/10

0.218+/-0.117 χ^2/NDF : 3607.7/19

4.485+/-0.169 χ^2/NDF : 1040.5/8

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -41.687+/-0.235 χ^2/NDF : 1429.7/10

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

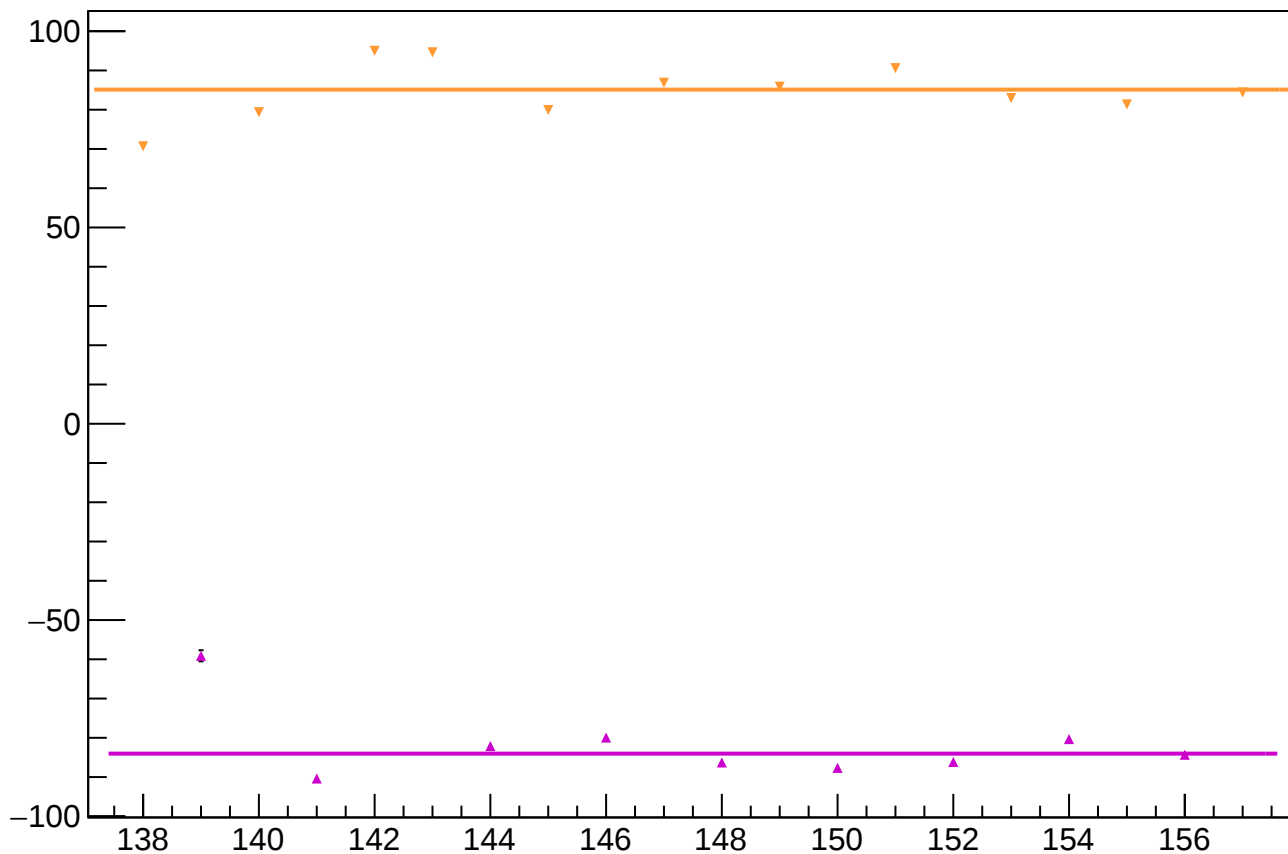
Left In: 44.189+/-0.243 χ^2/NDF : 697.4/8

-41.687+/-0.235 χ^2/NDF : 1429.7/10

-0.211+/-0.169 χ^2/NDF : 66704.2/19

44.189+/-0.243 χ^2/NDF : 697.4/8

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 85.120+/-0.197 χ^2/NDF : 872.4/10

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

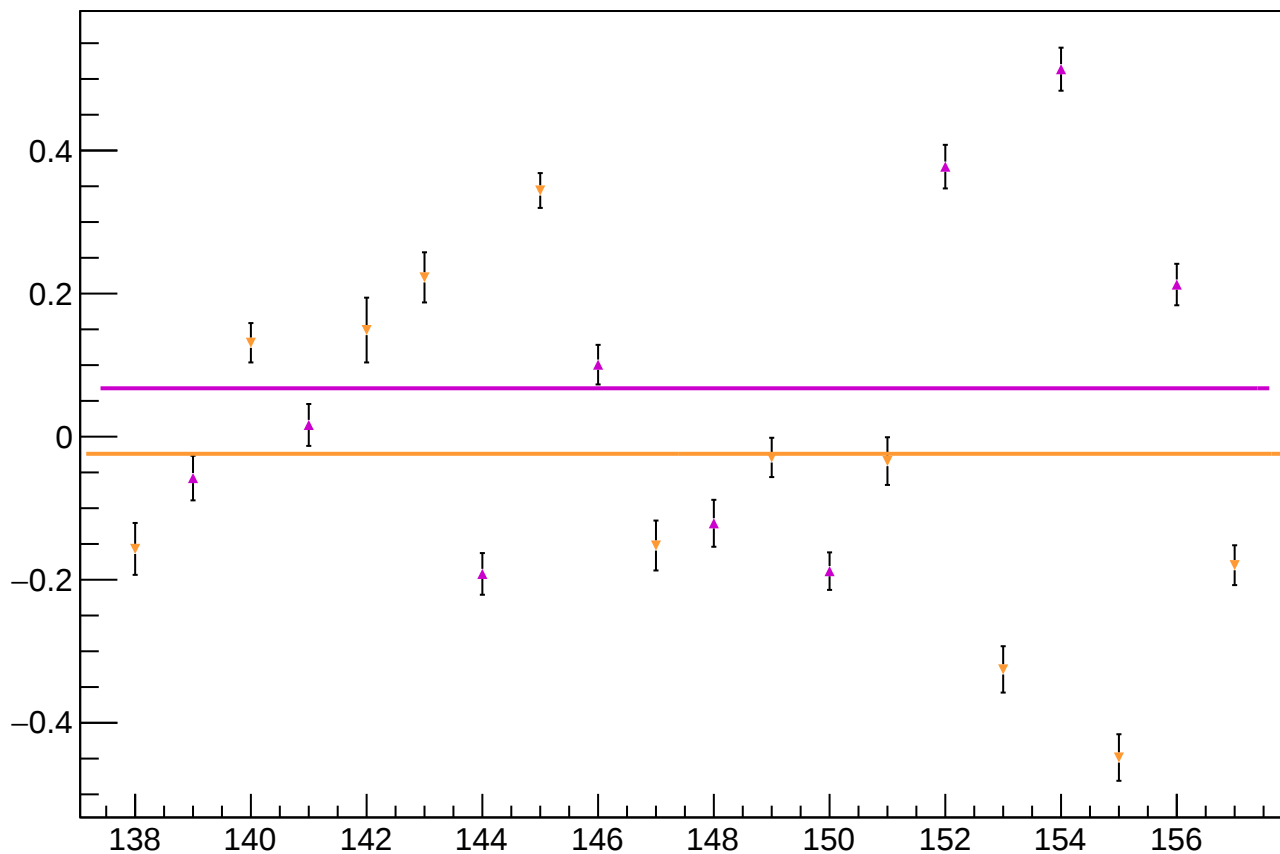
Left In: -84.032+/-0.205 χ^2/NDF : 612.0/8

85.120+/-0.197 χ^2/NDF : 872.4/10

4.145+/-0.142 χ^2/NDF : 355939.4/19

-84.032+/-0.205 χ^2/NDF : 612.0/8

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: -0.024 $\pm$ 0.009 χ^2 /NDF: 639.7/10

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

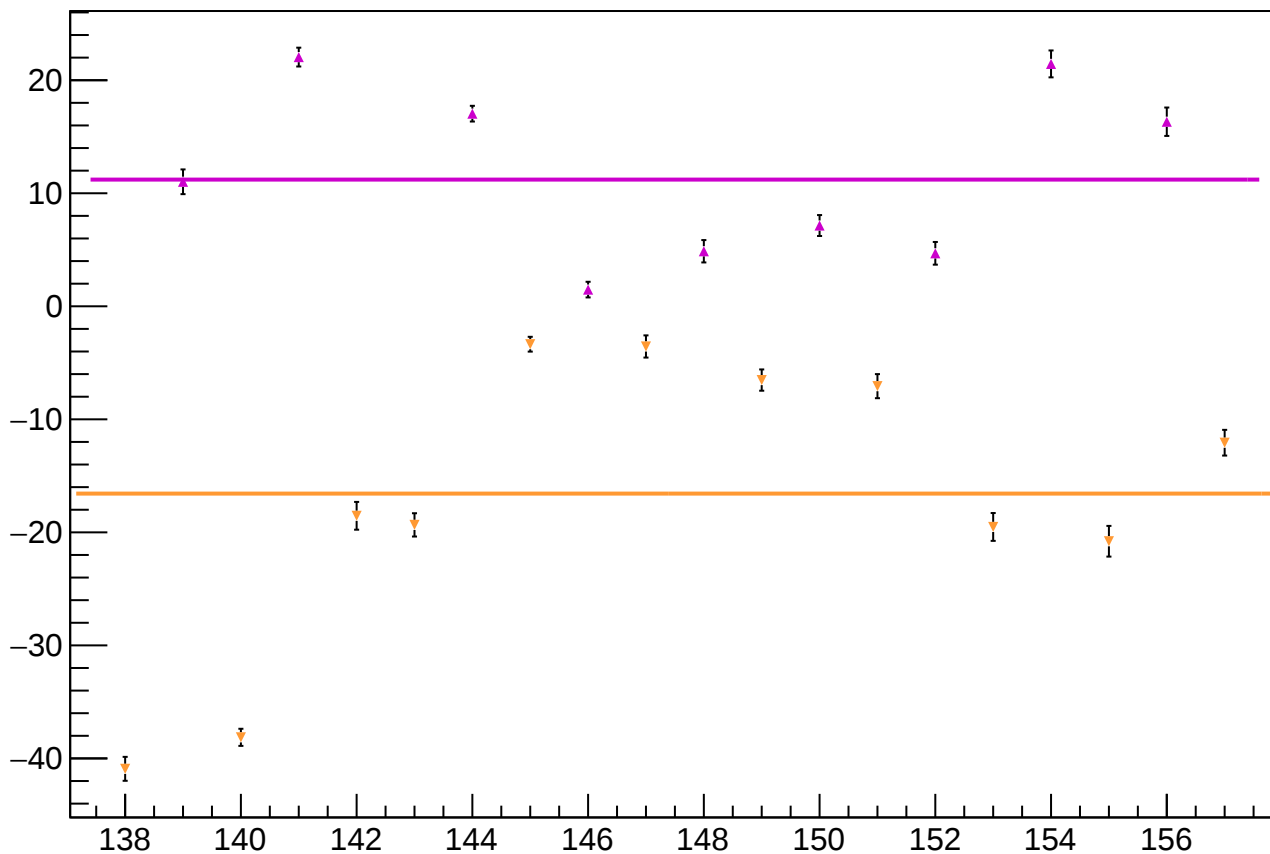
Left In: 0.068 $\pm$ 0.010 χ^2 /NDF: 576.3/8

-0.024 $\pm$ 0.009 χ^2 /NDF: 639.7/10

0.020 $\pm$ 0.007 χ^2 /NDF: 1261.5/19

0.068 $\pm$ 0.010 χ^2 /NDF: 576.3/8

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -16.571+/-0.294 χ^2/NDF : 2158.2/10

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

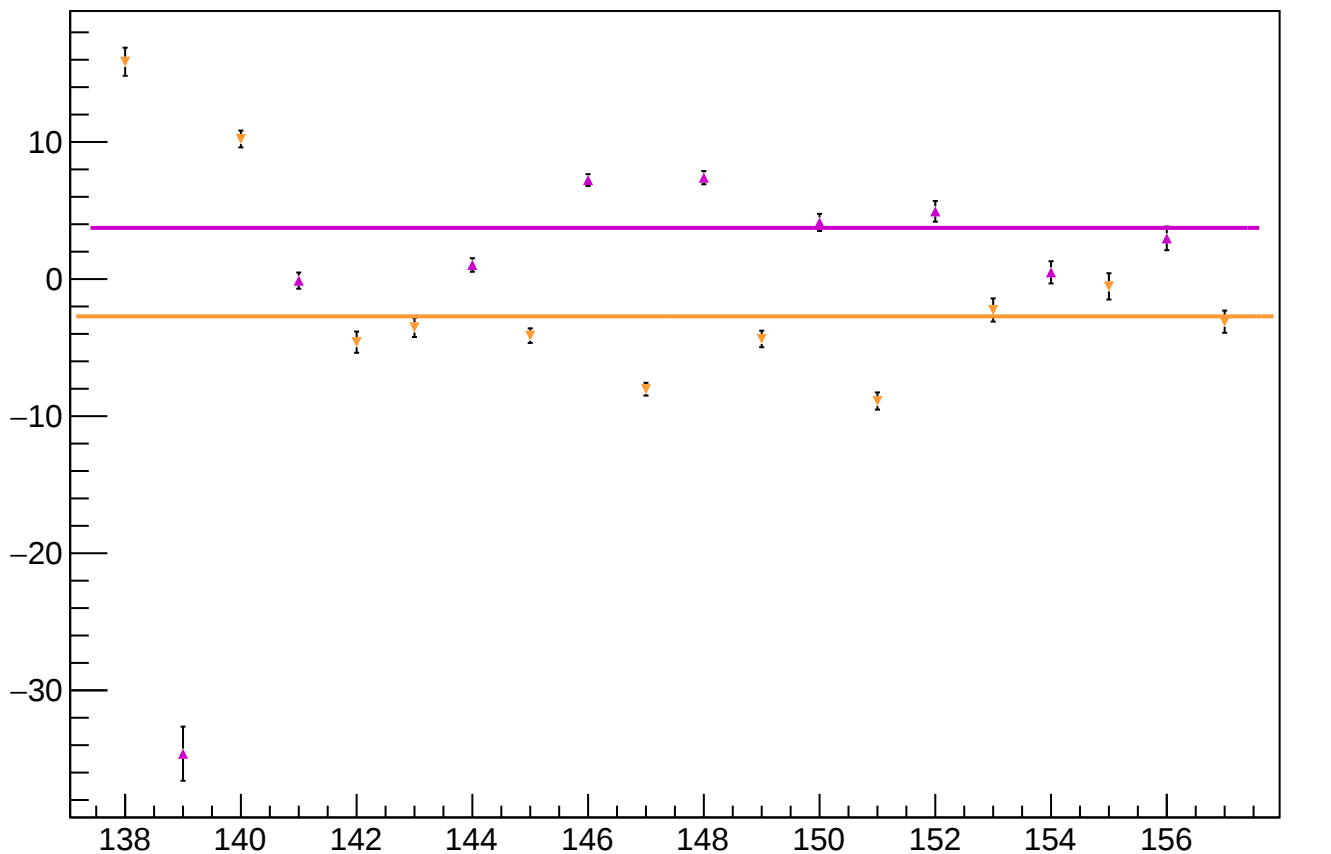
Left In: 11.209+/-0.302 χ^2/NDF : 630.5/8

-16.571+/-0.294 χ^2/NDF : 2158.2/10

-3.078+/-0.211 χ^2/NDF : 7135.6/19

11.209+/-0.302 χ^2/NDF : 630.5/8

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: -2.720+/-0.201 χ^2/NDF : 1024.3/10

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

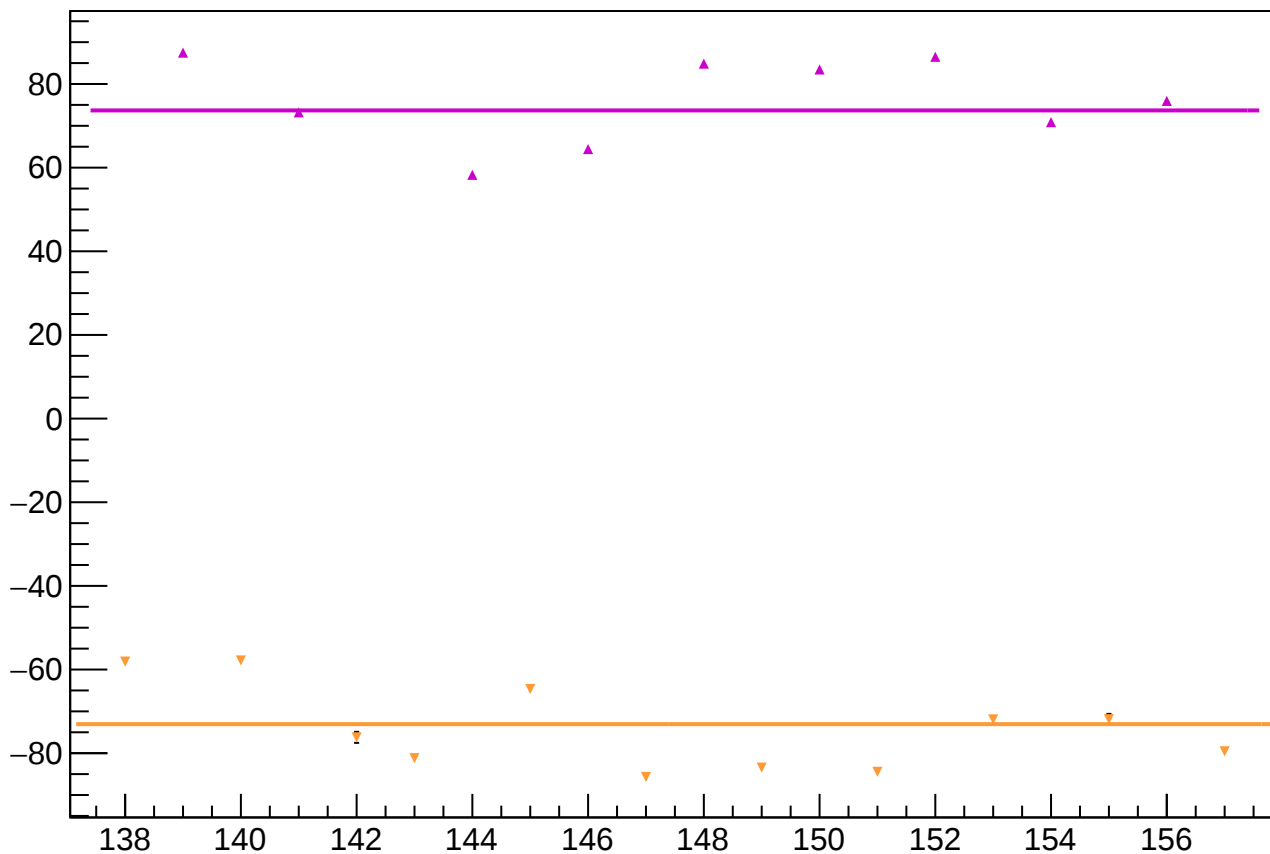
Left In: 3.735+/-0.204 χ^2/NDF : 592.5/8

-2.720+/-0.201 χ^2/NDF : 1024.3/10

0.470+/-0.143 χ^2/NDF : 2124.9/19

3.735+/-0.204 χ^2/NDF : 592.5/8

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -73.058+/-0.295 χ^2/NDF :1228.4/10

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

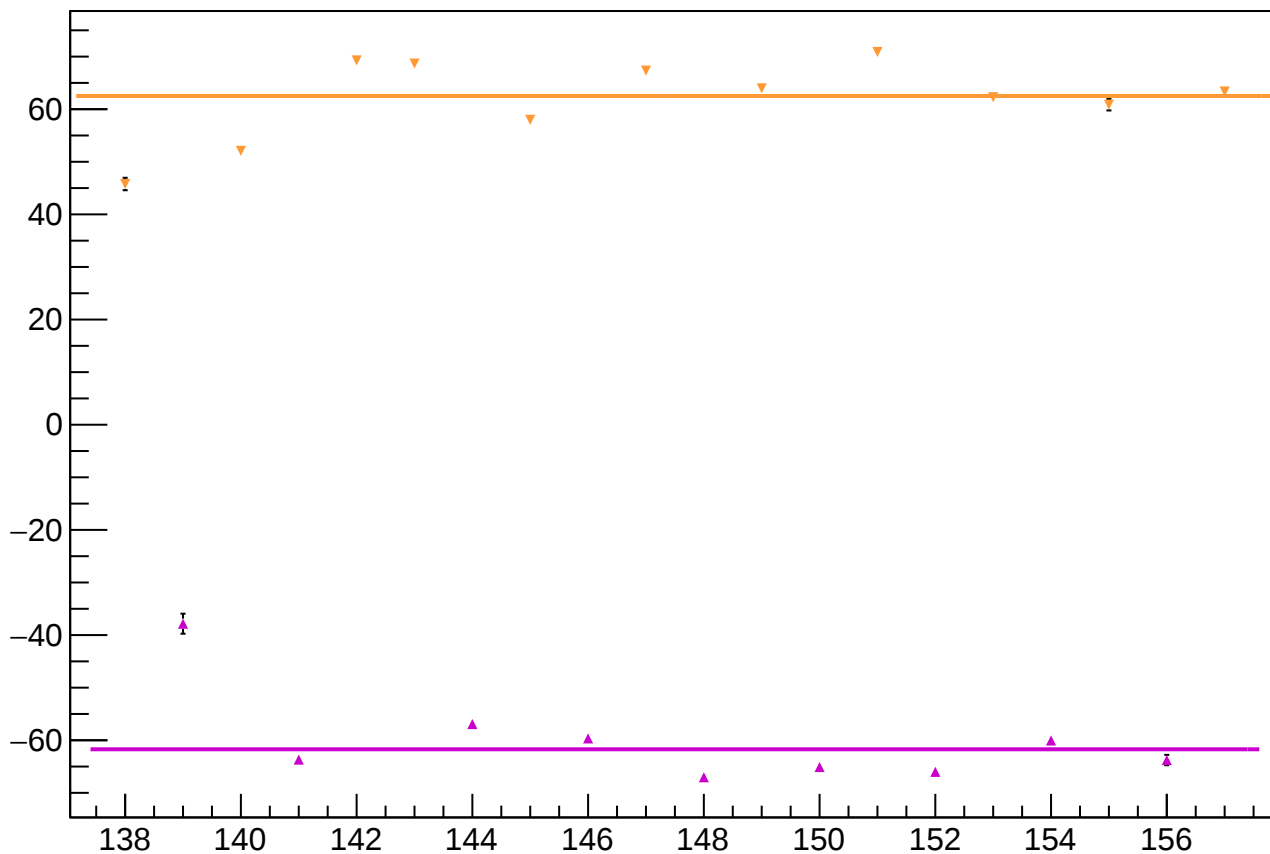
Left In: 73.680+/-0.299 χ^2/NDF :1219.1/8

-73.058+/-0.295 χ^2/NDF : 1228.4/10

-0.772+/-0.210 χ^2/NDF : 124695.5/19

73.680+/-0.299 χ^2/NDF : 1219.1/8

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 62.516+/-0.246 χ^2/NDF : 726.3/10

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

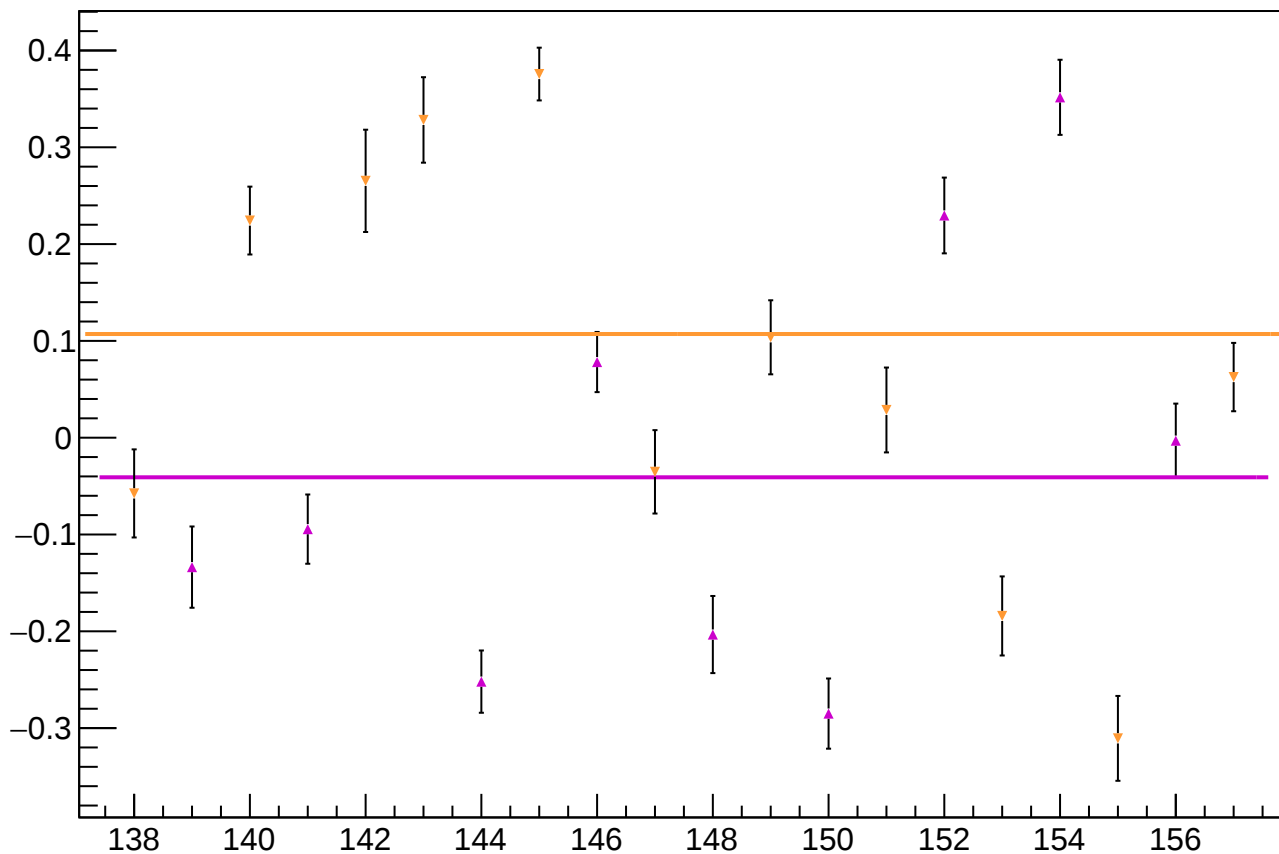
Left In: -61.718+/-0.249 χ^2/NDF : 361.3/8

62.516+/-0.246 χ^2/NDF : 726.3/10

1.303+/-0.175 χ^2/NDF : 127261.3/19

-61.718+/-0.249 χ^2/NDF : 361.3/8

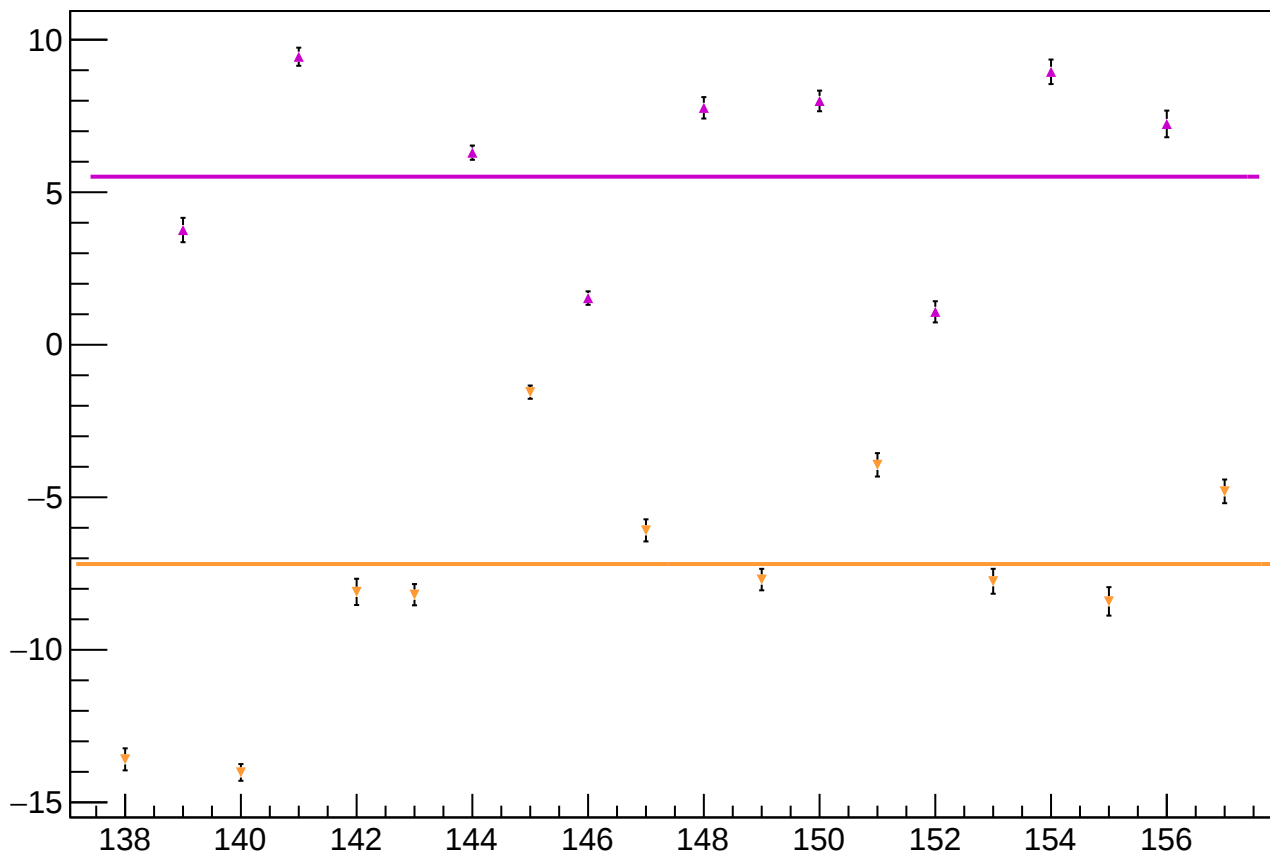
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.107 $\pm$ 0.012 χ^2 /NDF:312.8/10
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.041 $\pm$ 0.012 χ^2 /NDF:278.0/8

0.107 $\pm$ 0.012 χ^2 /NDF: 312.8/10
 0.035 $\pm$ 0.008 χ^2 /NDF: 667.0/19
 -0.041 $\pm$ 0.012 χ^2 /NDF: 278.0/8

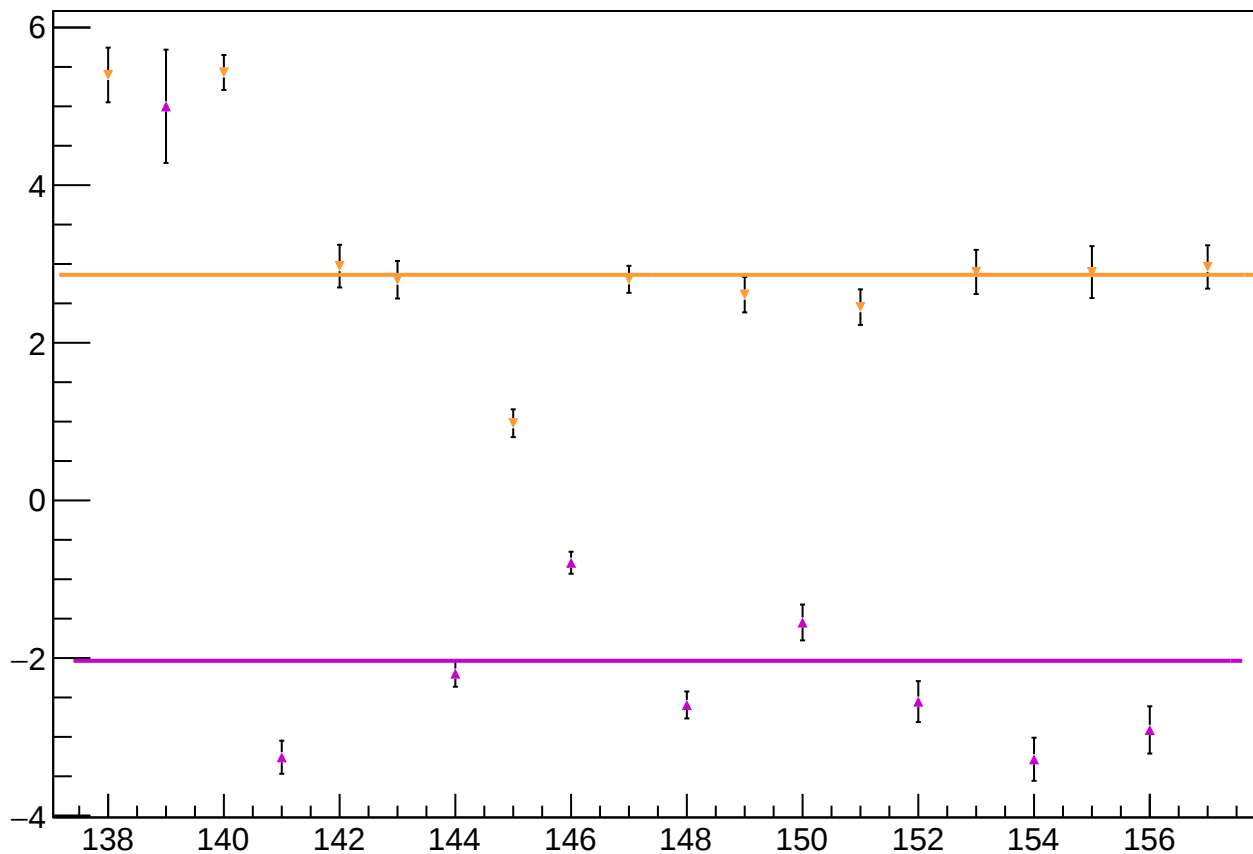
reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -7.188+/-0.102 χ^2/NDF : 1748.9/10
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 5.510+/-0.104 χ^2/NDF : 877.4/8

-7.188+/-0.102 χ^2/NDF : 1748.9/10
 -0.924+/-0.073 χ^2/NDF : 10219.3/19
 5.510+/-0.104 χ^2/NDF : 877.4/8

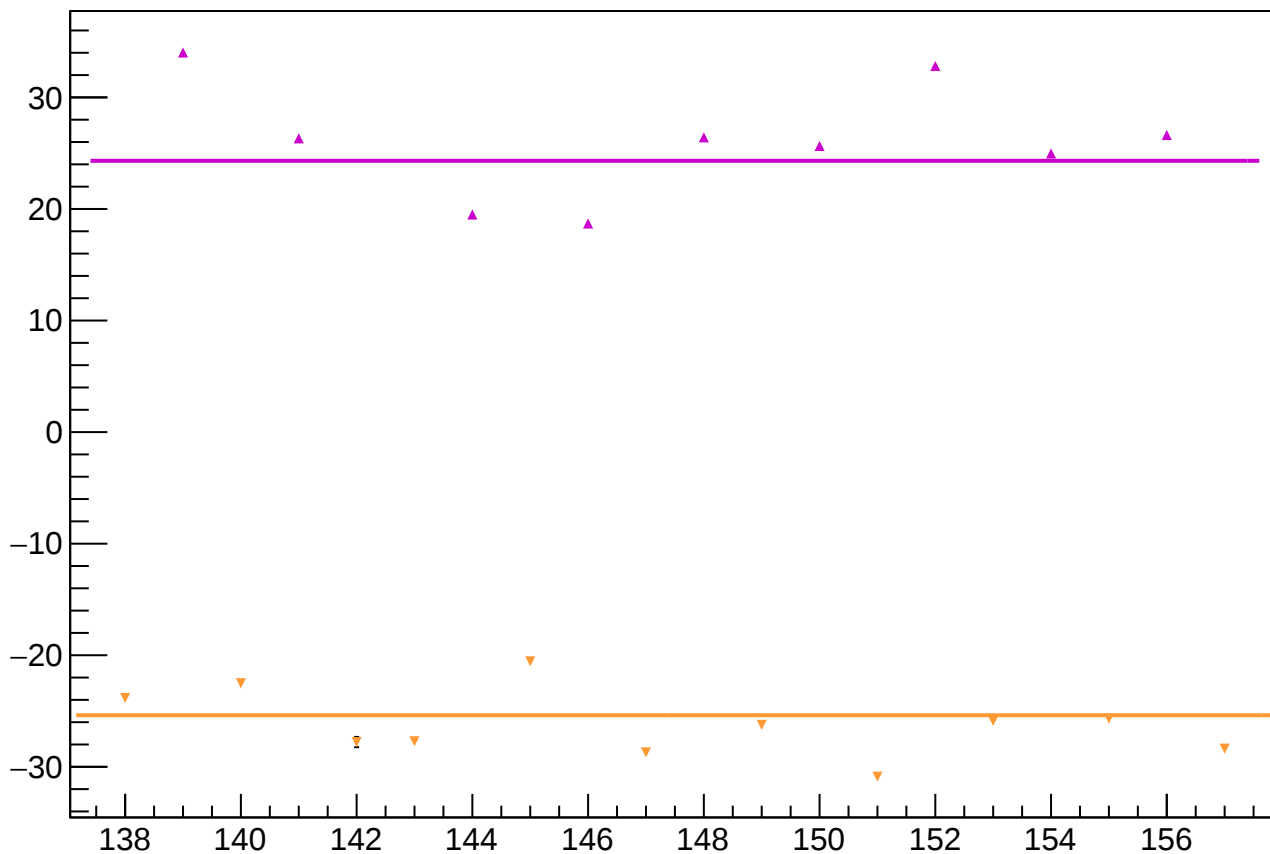
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 2.863+/-0.071 χ^2/NDF : 306.0/10
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.035+/-0.070 χ^2/NDF : 258.9/8

2.863+/-0.071 χ^2/NDF : 306.0/10
 0.389+/-0.050 χ^2/NDF : 2995.3/19
 -2.035+/-0.070 χ^2/NDF : 258.9/8

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -25.377+/-0.103 χ^2/NDF : 1018.5/10

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

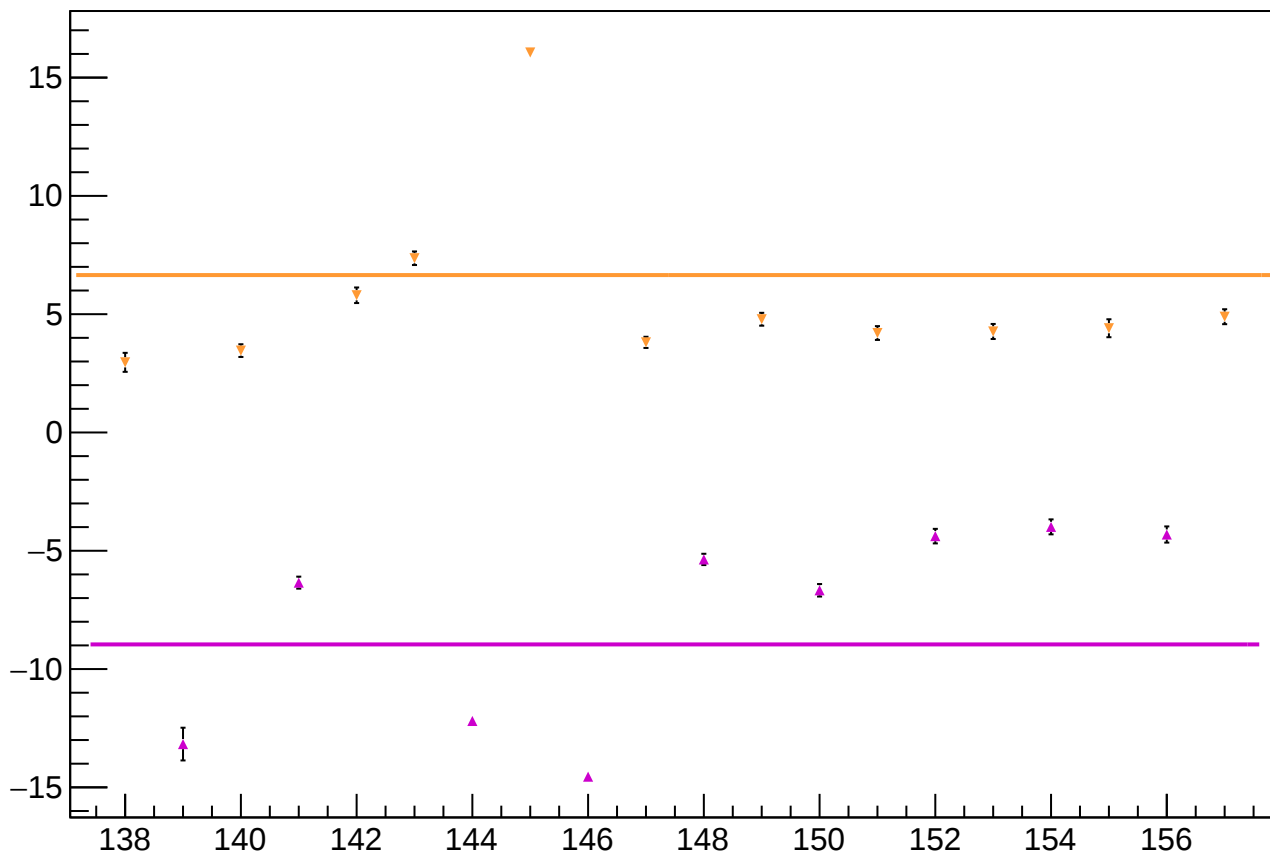
Left In: 24.316+/-0.103 χ^2/NDF : 2360.7/8

-25.377+/-0.103 χ^2/NDF : 1018.5/10

-0.456+/-0.073 χ^2/NDF : 120319.3/19

24.316+/-0.103 χ^2/NDF : 2360.7/8

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 6.653+/-0.086 χ^2/NDF : 2766.3/10

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

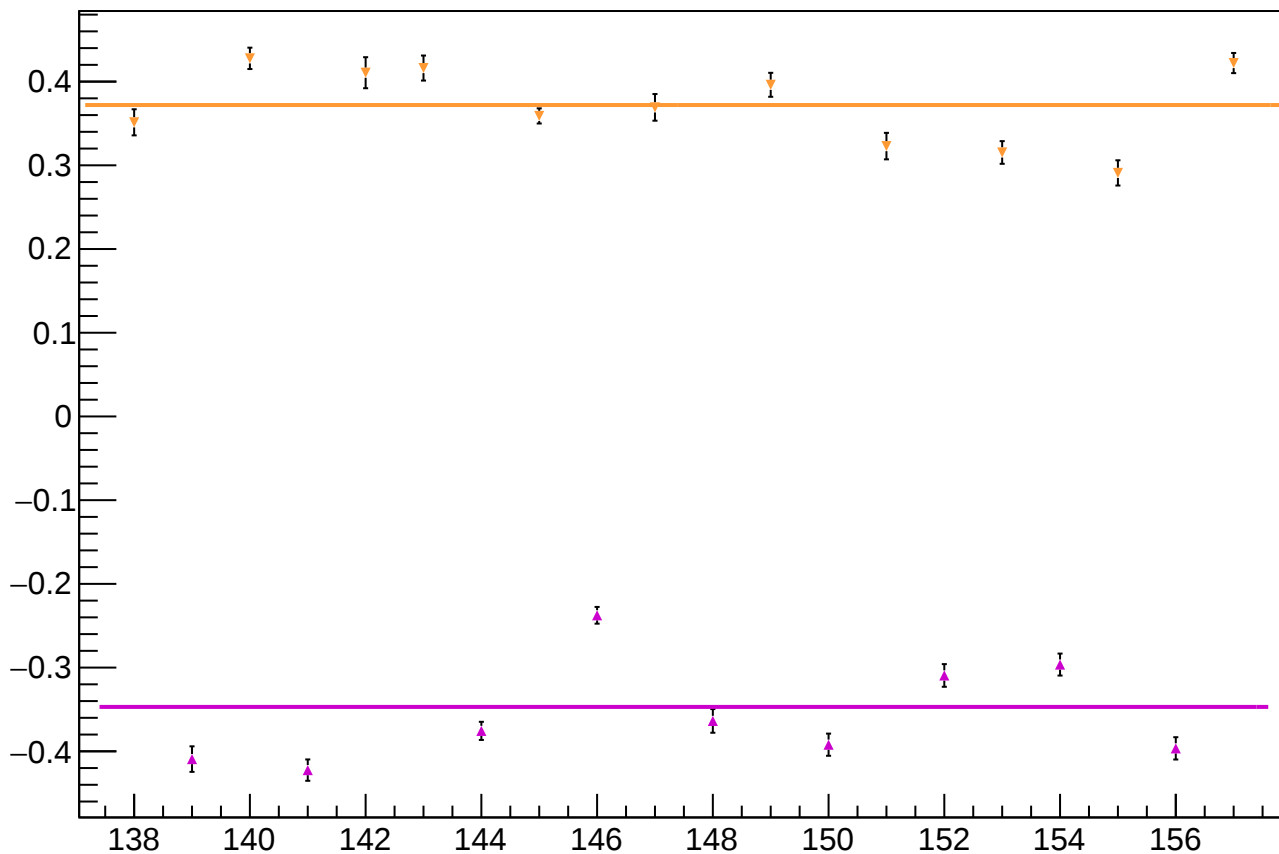
Left In: -8.958+/-0.085 χ^2/NDF : 2385.5/8

6.653+/-0.086 χ^2/NDF : 2766.3/10

-1.188+/-0.061 χ^2/NDF : 21748.9/19

-8.958+/-0.085 χ^2/NDF : 2385.5/8

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: 0.372 $\pm$ 0.004 χ^2 /NDF:112.2/10

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

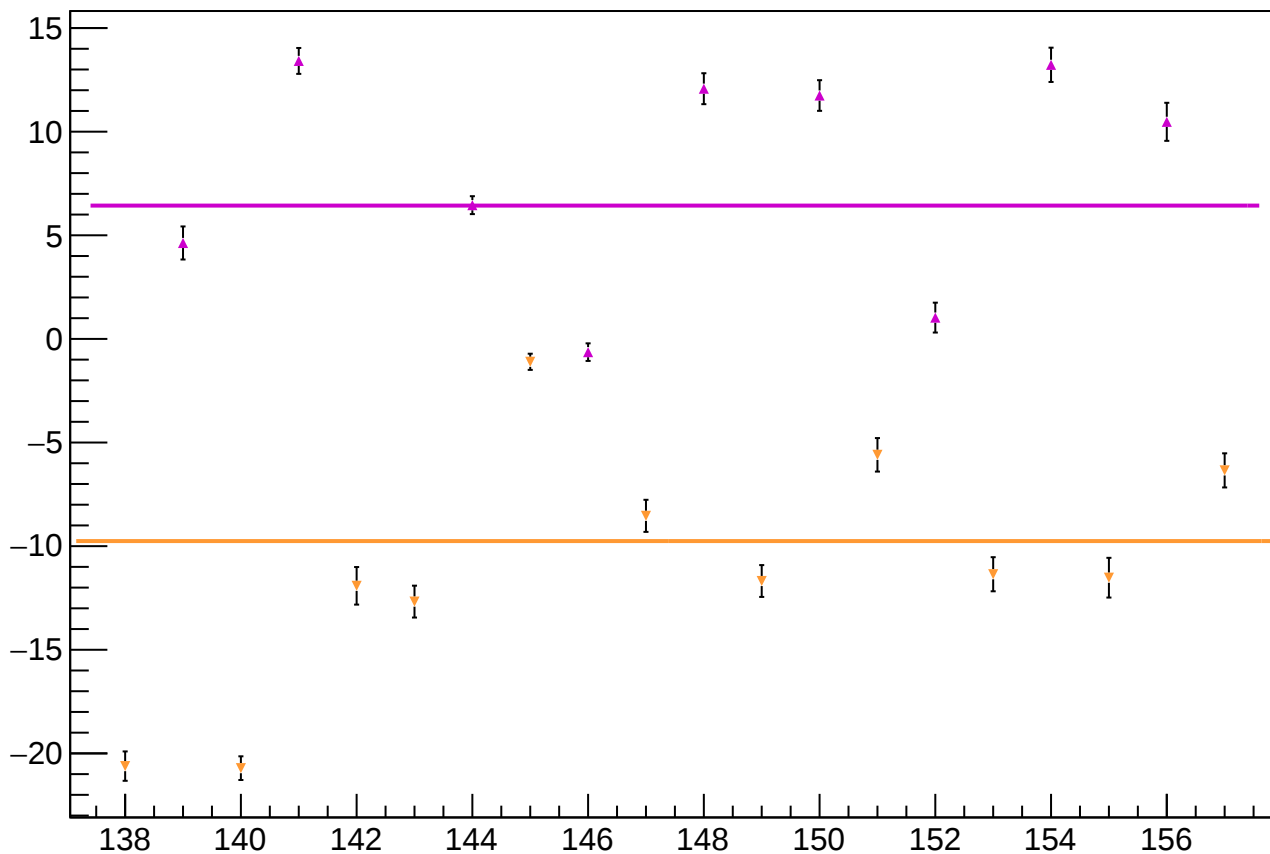
Left In: -0.347 $\pm$ 0.004 χ^2 /NDF:228.1/8

0.372 $\pm$ 0.004 χ^2 /NDF: 112.2/10

0.021 $\pm$ 0.003 χ^2 /NDF: 15322.5/19

-0.347 $\pm$ 0.004 χ^2 /NDF: 228.1/8

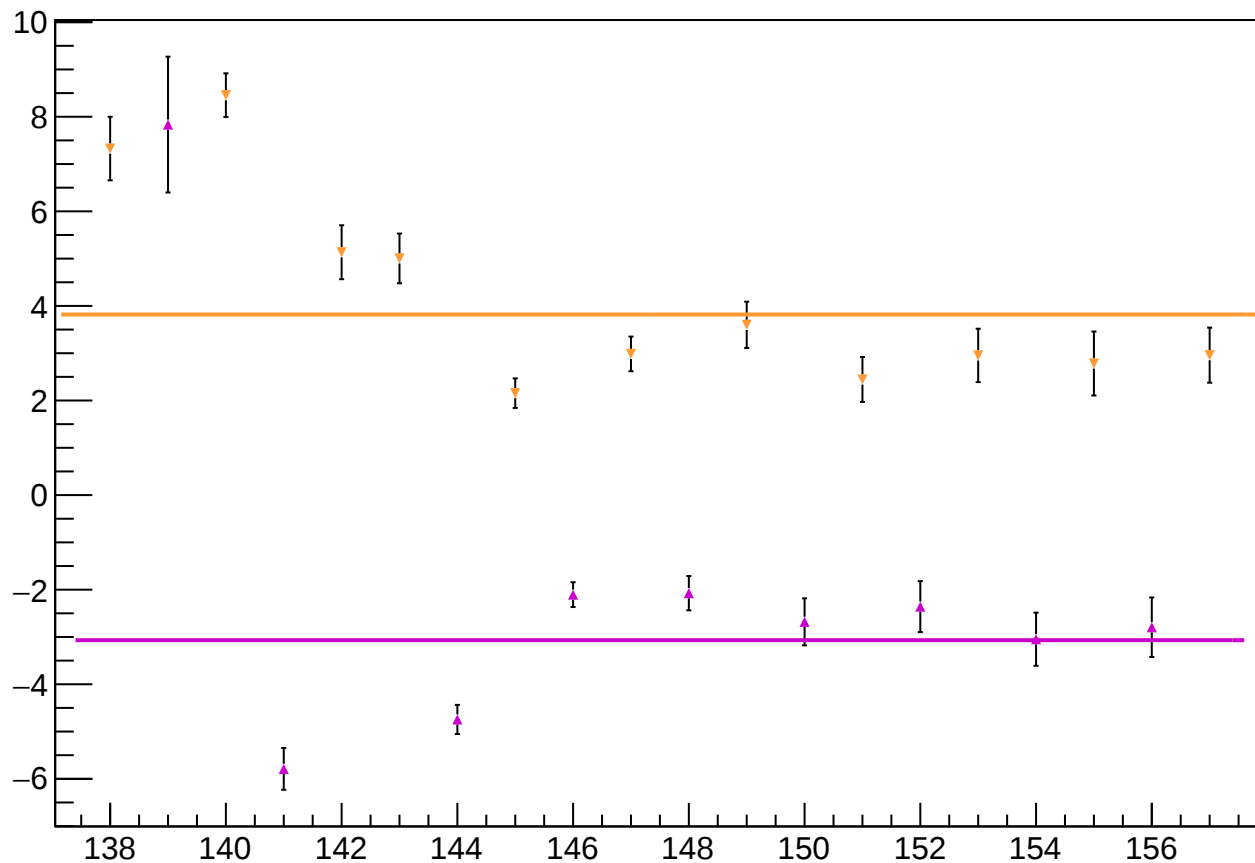
reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -9.755+/-0.206 χ^2/NDF : 1174.1/10
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 6.433+/-0.207 χ^2/NDF : 659.4/8

-9.755+/-0.206 χ^2/NDF : 1174.1/10
 -1.700+/-0.146 χ^2/NDF : 4893.8/19
 6.433+/-0.207 χ^2/NDF : 659.4/8

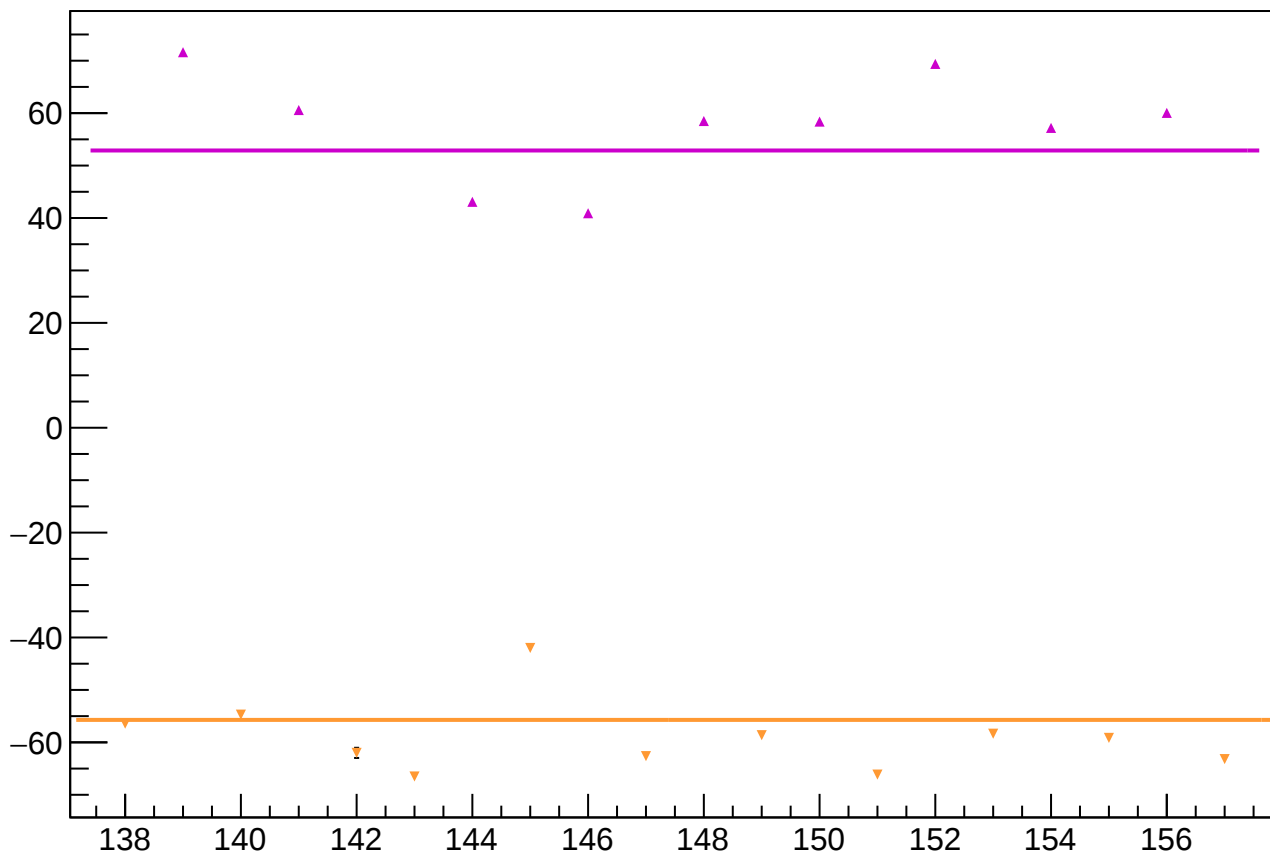
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.818 $\pm$ 0.144 χ^2 /NDF:187.3/10
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -3.068 $\pm$ 0.139 χ^2 /NDF:148.8/8

3.818 $\pm$ 0.144 χ^2 /NDF: 187.3/10
 0.261 $\pm$ 0.100 χ^2 /NDF: 1516.9/19
 -3.068 $\pm$ 0.139 χ^2 /NDF: 148.8/8

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -55.717+/-0.209 χ^2/NDF : 1720.0/10

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

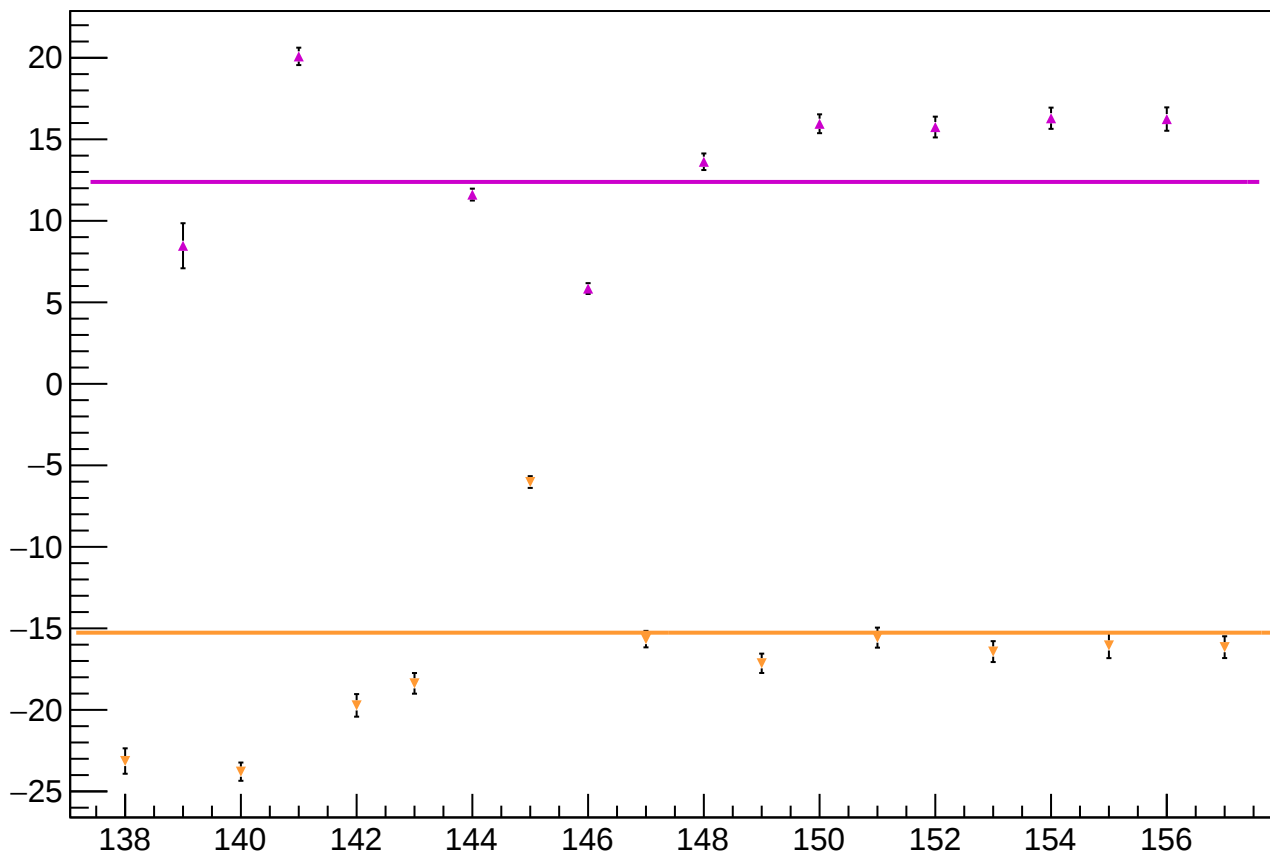
Left In: 52.877+/-0.206 χ^2/NDF : 2718.0/8

-55.717+/-0.209 χ^2/NDF : 1720.0/10

-0.672+/-0.147 χ^2/NDF : 141651.7/19

52.877+/-0.206 χ^2/NDF : 2718.0/8

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -15.264+/-0.175 χ^2/NDF : 1072.1/10

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

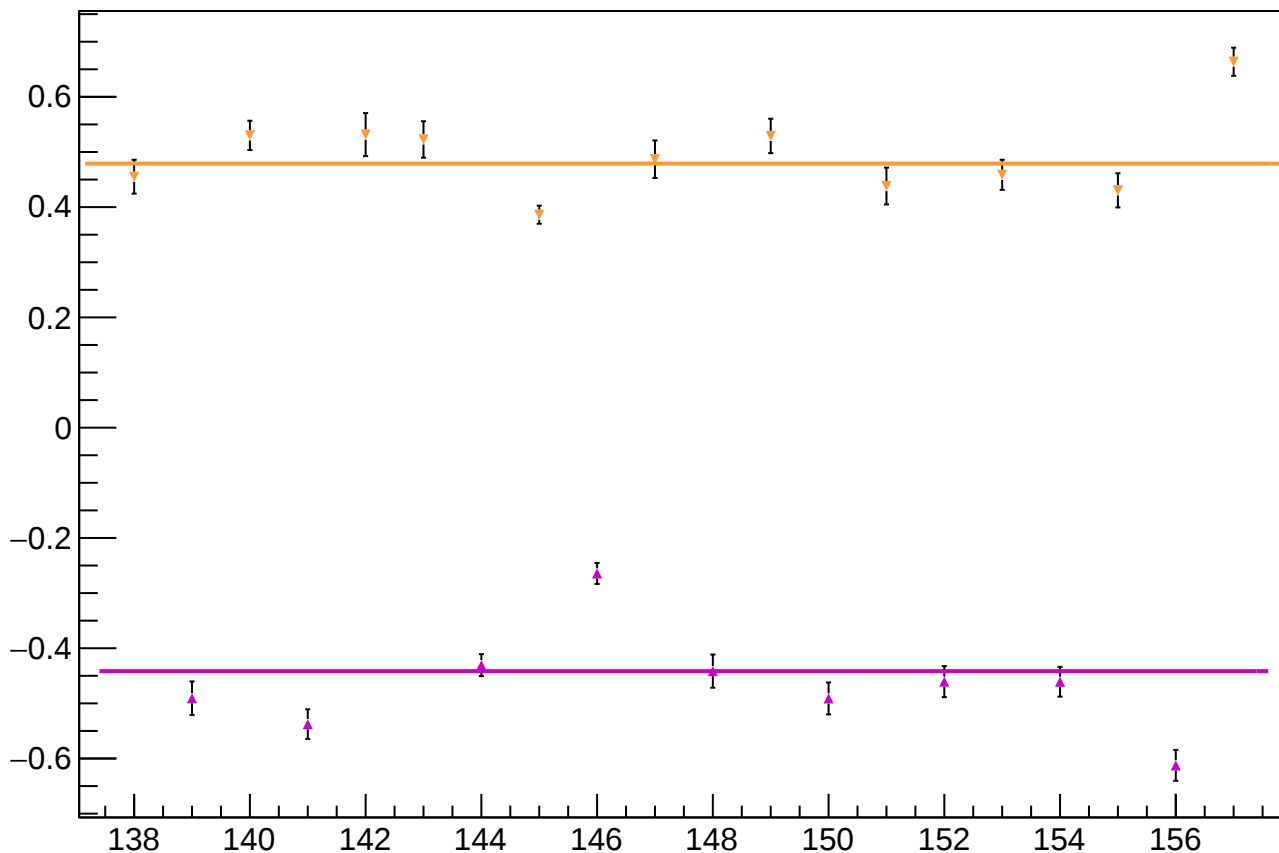
Left In: 12.386+/-0.171 χ^2/NDF : 747.7/8

-15.264+/-0.175 χ^2/NDF : 1072.1/10

-1.135+/-0.122 χ^2/NDF : 14637.4/19

12.386+/-0.171 χ^2/NDF : 747.7/8

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: 0.479 $\pm$ 0.008 χ^2 /NDF:99.7/10

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

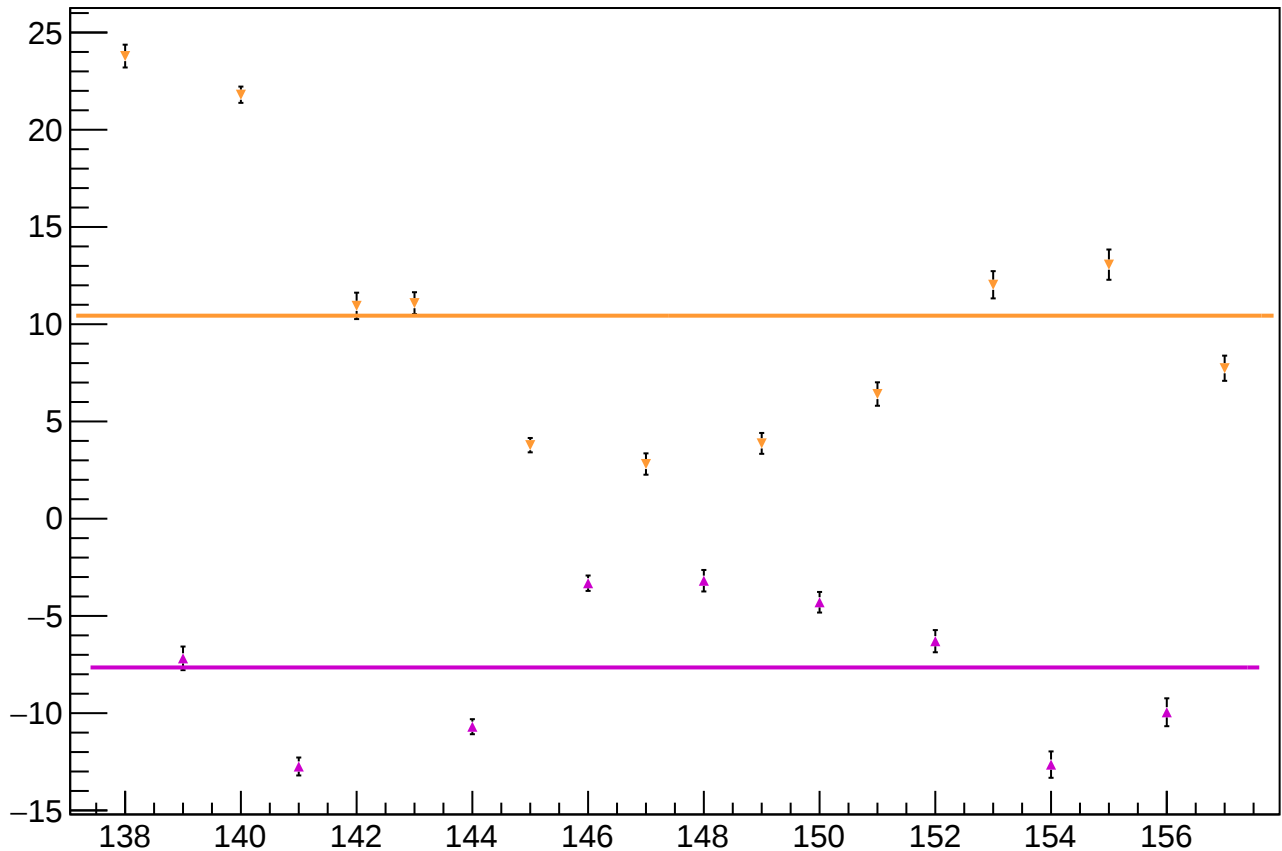
Left In: -0.442 $\pm$ 0.008 χ^2 /NDF:143.0/8

0.479 $\pm$ 0.008 χ^2 /NDF: 99.7/10

0.028 $\pm$ 0.006 χ^2 /NDF: 6269.5/19

-0.442 $\pm$ 0.008 χ^2 /NDF: 143.0/8

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 10.439+/-0.165 χ^2/NDF : 2003.4/10

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

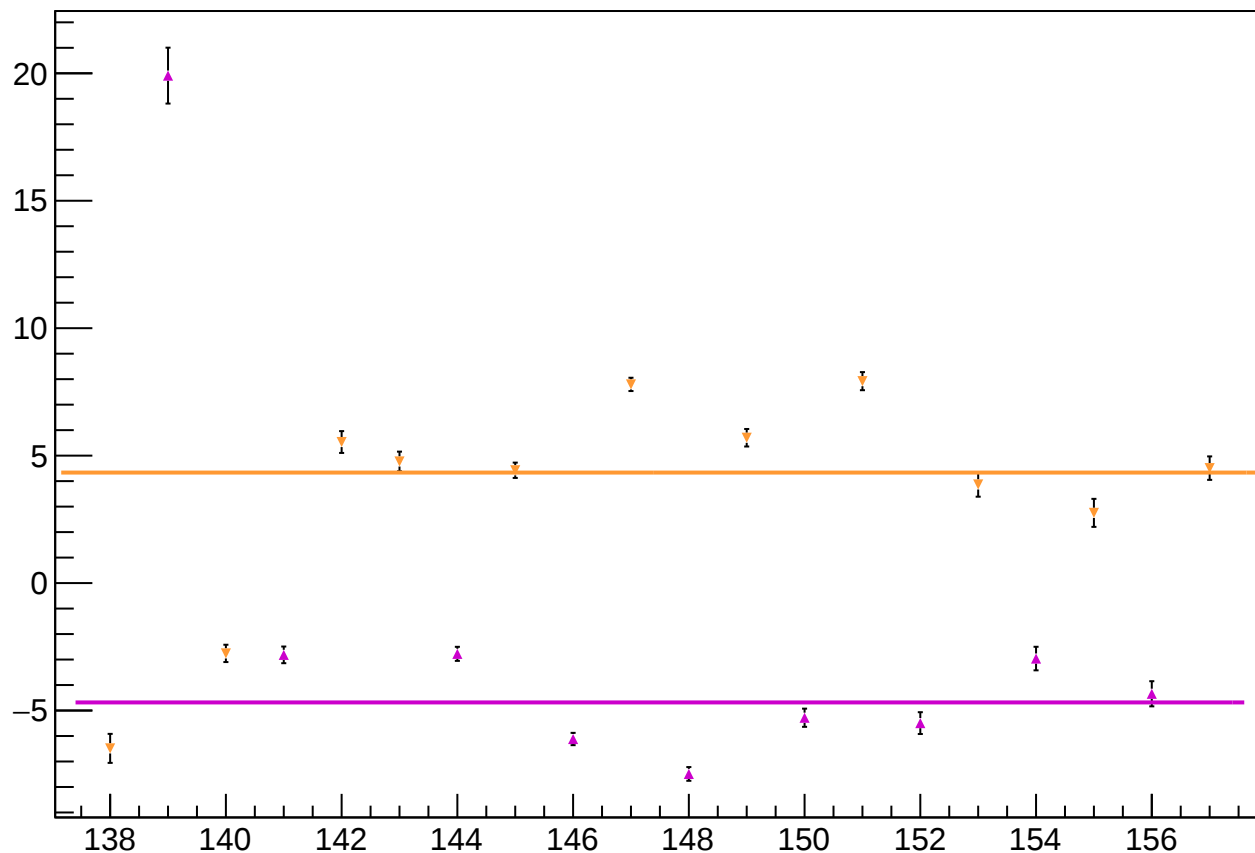
Left In: -7.650+/-0.170 χ^2/NDF : 479.7/8

10.439+/-0.165 χ^2/NDF : 2003.4/10

1.695+/-0.118 χ^2/NDF : 8316.4/19

-7.650+/-0.170 χ^2/NDF : 479.7/8

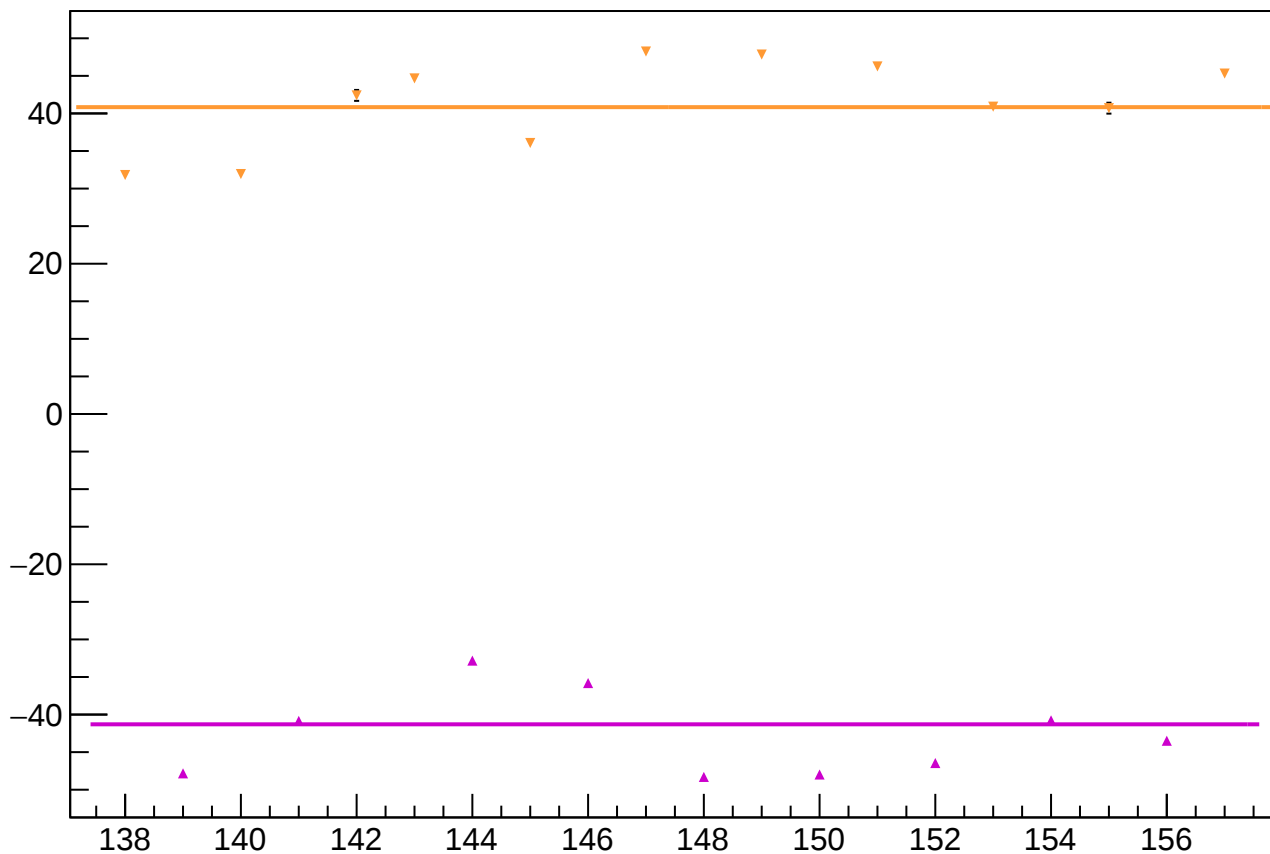
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 4.336+/-0.113 χ^2/NDF : 1110.4/10
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -4.682+/-0.114 χ^2/NDF : 747.9/8

4.336+/-0.113 χ^2/NDF : 1110.4/10
 -0.113+/-0.080 χ^2/NDF : 5005.9/19
 -4.682+/-0.114 χ^2/NDF : 747.9/8

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: 40.836+/-0.165 χ^2/NDF :1342.0/10

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

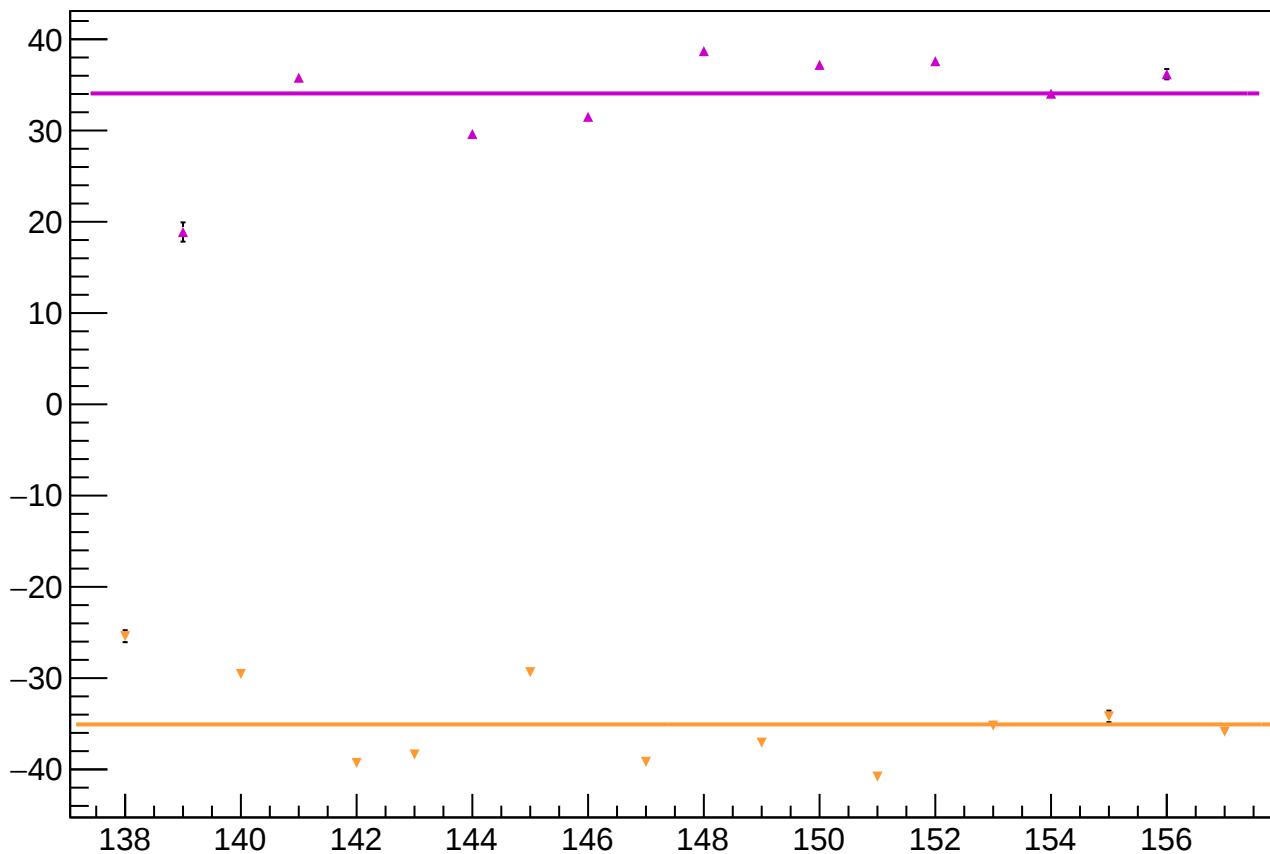
Left In: -41.297+/-0.169 χ^2/NDF :1191.9/8

40.836+/-0.165 χ^2/NDF : 1342.0/10

0.557+/-0.118 χ^2/NDF : 123442.5/19

-41.297+/-0.169 χ^2/NDF : 1191.9/8

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -35.072+/-0.138 χ^2/NDF : 1101.2/10

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

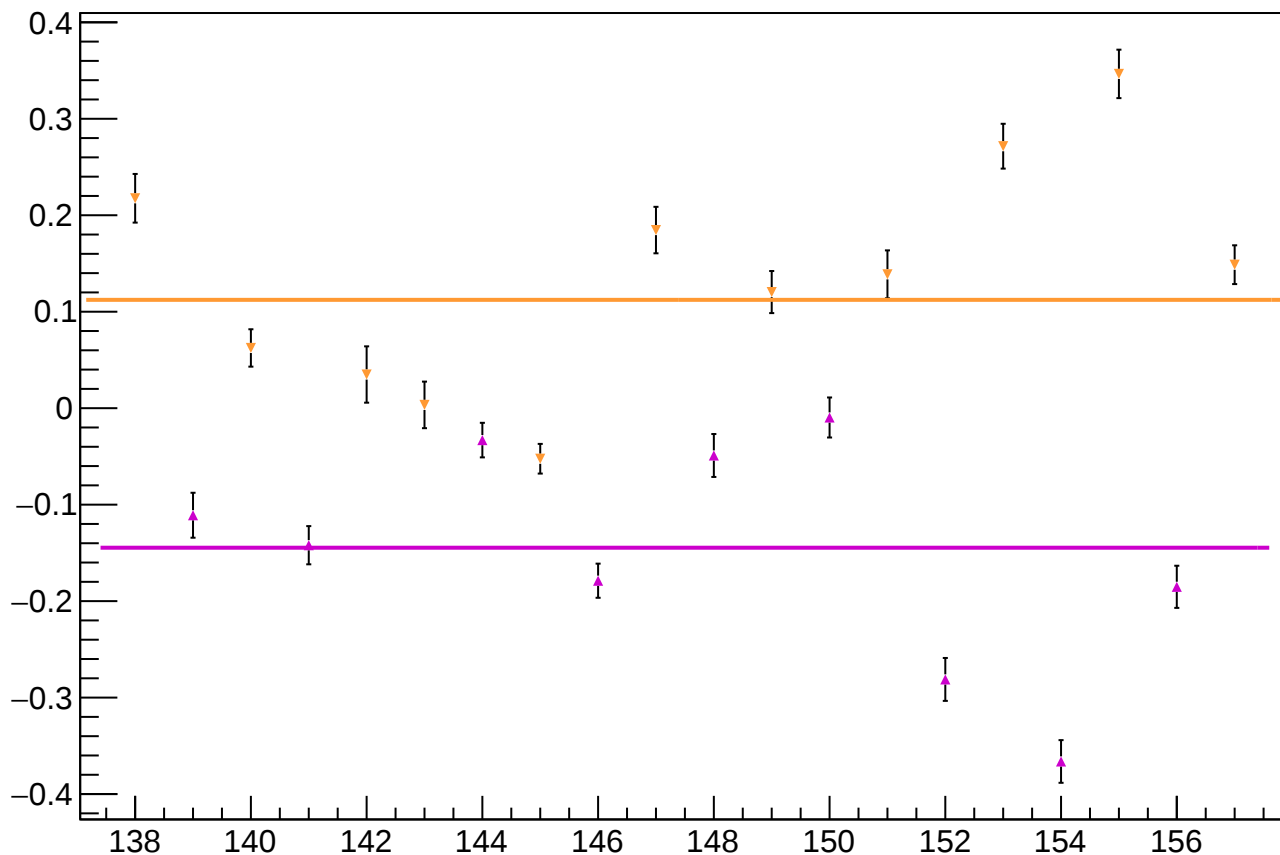
Left In: 34.062+/-0.140 χ^2/NDF : 752.2/8

-35.072+/-0.138 χ^2/NDF : 1101.2/10

-1.110+/-0.098 χ^2/NDF : 125564.2/19

34.062+/-0.140 χ^2/NDF : 752.2/8

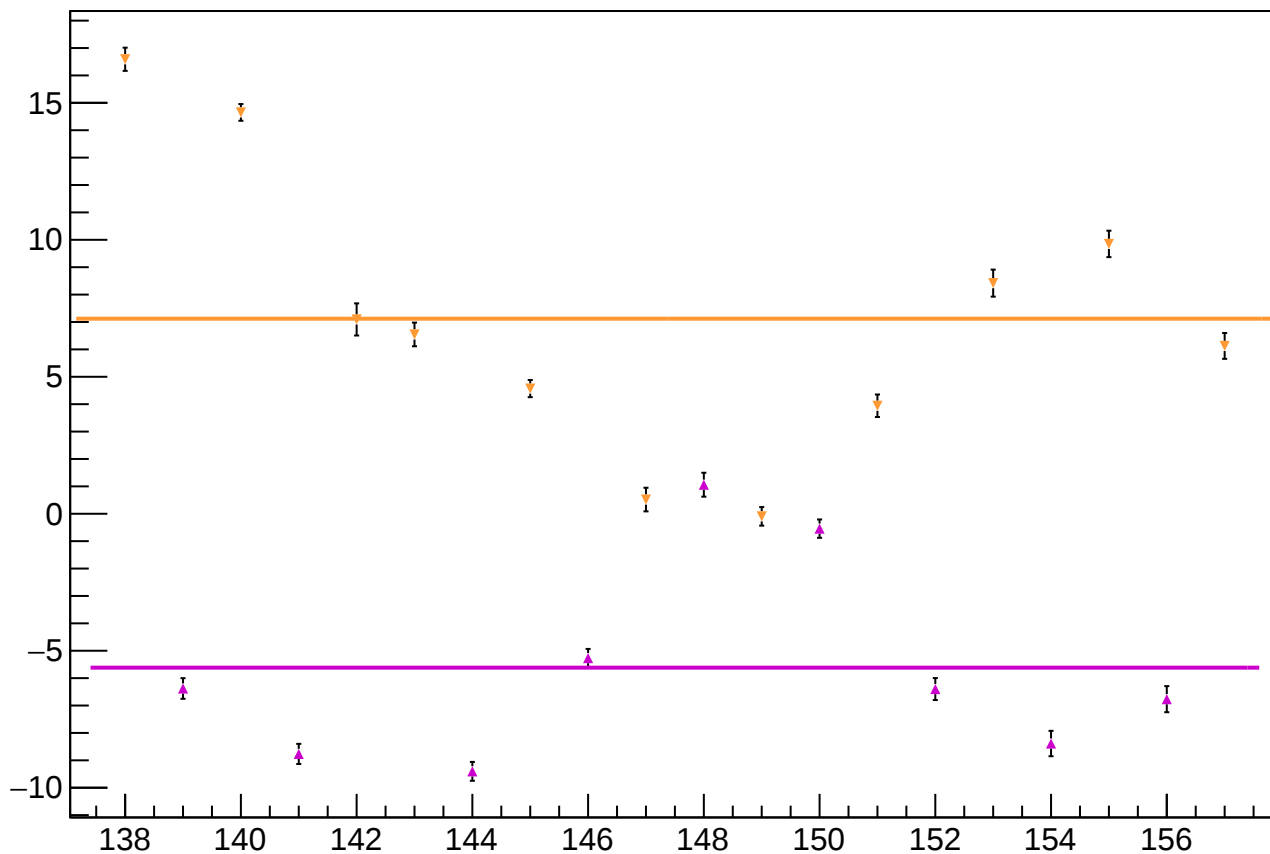
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.112 $\pm$ 0.007 χ^2 /NDF: 313.7/10
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.145 $\pm$ 0.007 χ^2 /NDF: 246.9/8

0.112 $\pm$ 0.007 χ^2 /NDF: 313.7/10
 -0.012 $\pm$ 0.005 χ^2 /NDF: 1284.5/19
 -0.145 $\pm$ 0.007 χ^2 /NDF: 246.9/8

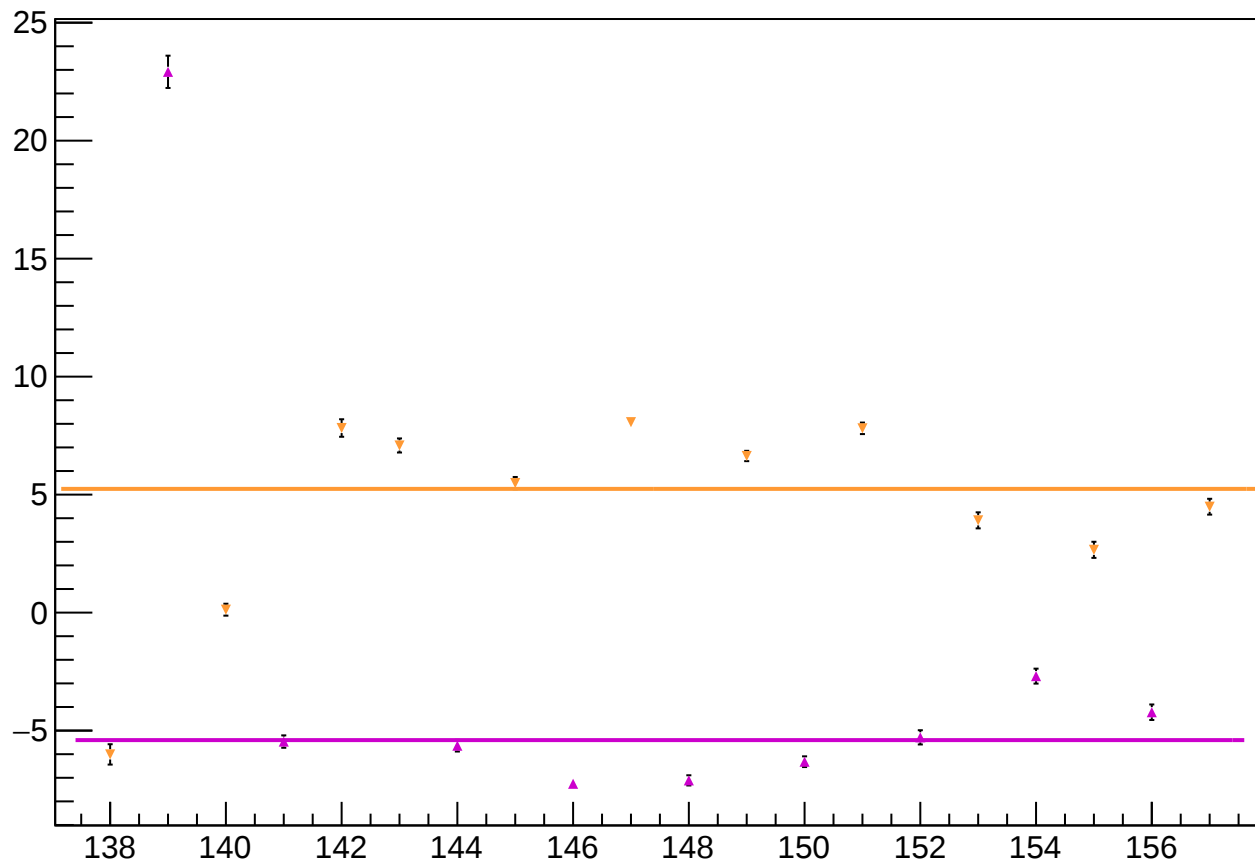
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 7.121 $\pm$ 0.122 χ^2 /NDF:1966.0/10
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -5.617 $\pm$ 0.128 χ^2 /NDF:707.4/8

7.121 $\pm$ 0.122 χ^2 /NDF: 1966.0/10
 1.071 $\pm$ 0.088 χ^2 /NDF: 7883.8/19
 -5.617 $\pm$ 0.128 χ^2 /NDF: 707.4/8

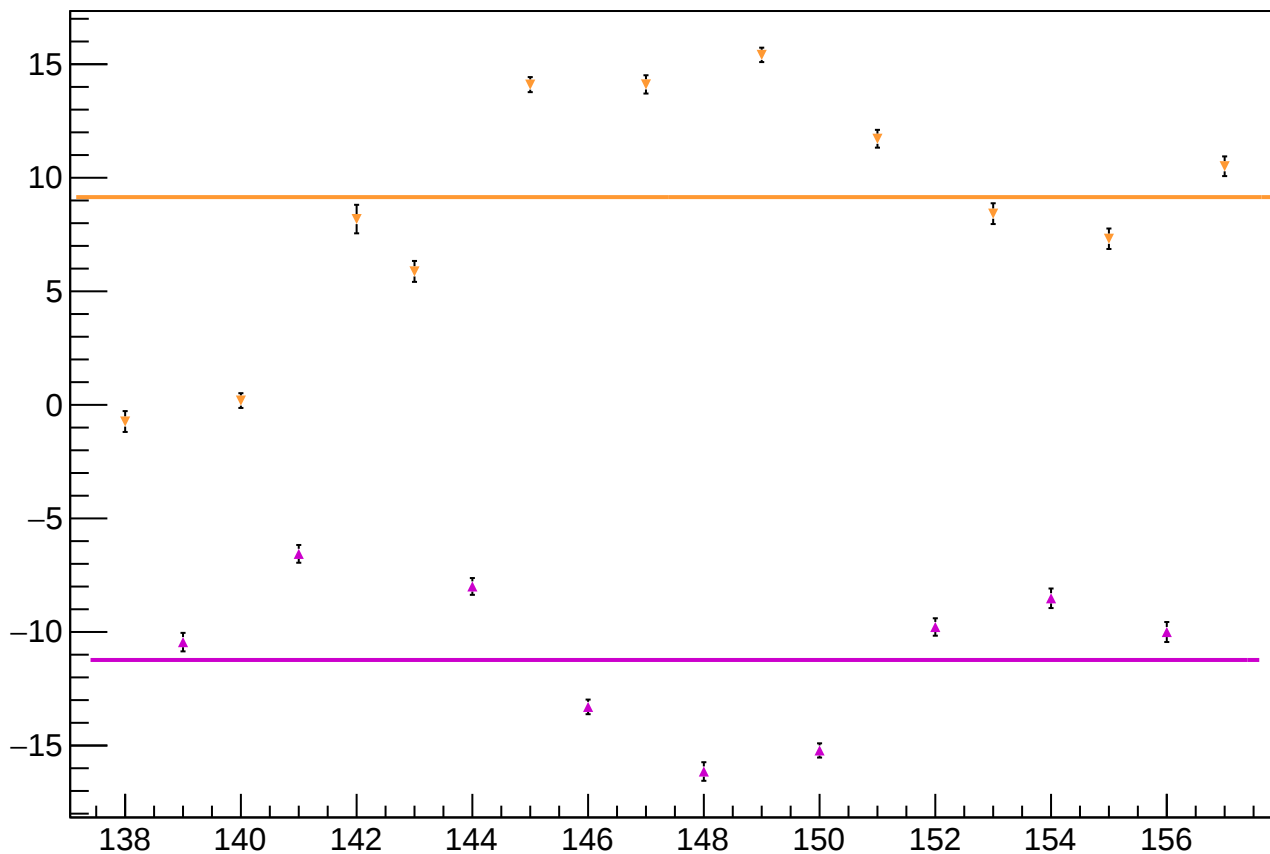
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.244+/-0.084 χ^2/NDF :1592.4/10
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -5.403+/-0.089 χ^2/NDF :1953.8/8

5.244+/-0.084 χ^2/NDF : 1592.4/10
 0.231+/-0.061 χ^2/NDF : 11099.6/19
 -5.403+/-0.089 χ^2/NDF : 1953.8/8

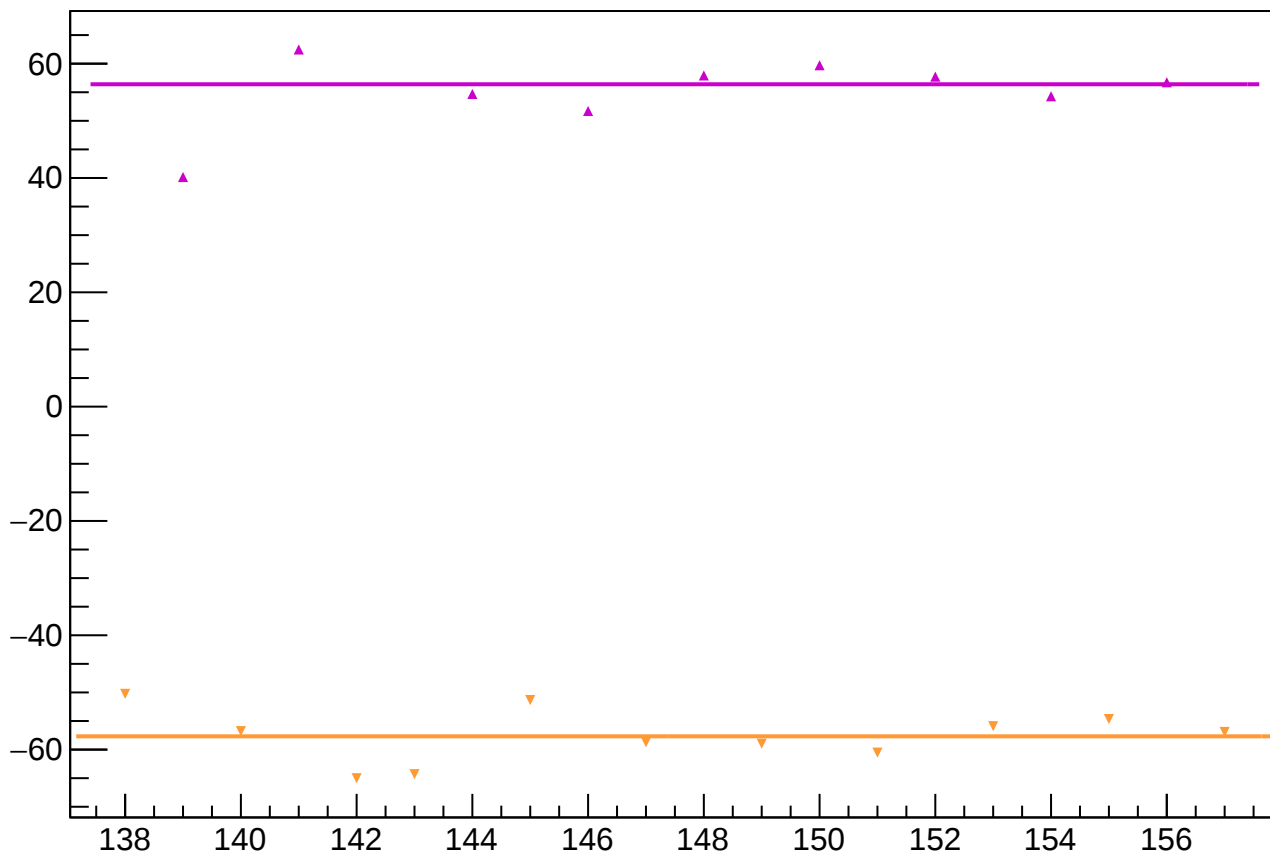
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 9.148 $\pm$ 0.121 χ^2 /NDF:2110.7/10
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -11.232 $\pm$ 0.126 χ^2 /NDF:631.6/8

9.148 $\pm$ 0.121 χ^2 /NDF: 2110.7/10
 -0.641 $\pm$ 0.087 χ^2 /NDF: 16339.4/19
 -11.232 $\pm$ 0.126 χ^2 /NDF: 631.6/8

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -57.677+/-0.102 χ^2/NDF :1507.7/10

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

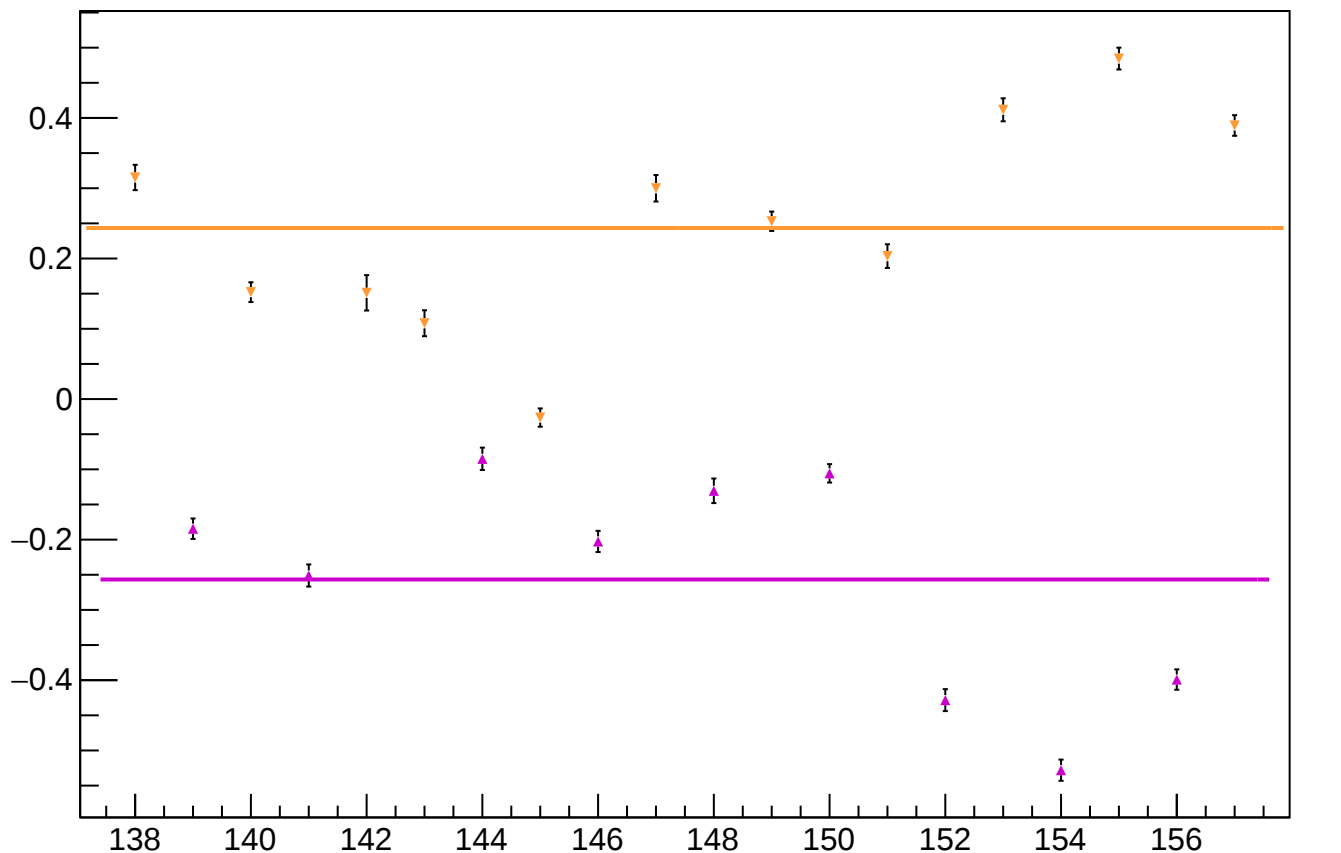
Left In: 56.397+/-0.108 χ^2/NDF :1556.0/8

-57.677+/-0.102 χ^2/NDF : 1507.7/10

-3.689+/-0.074 χ^2/NDF : 595092.7/19

56.397+/-0.108 χ^2/NDF : 1556.0/8

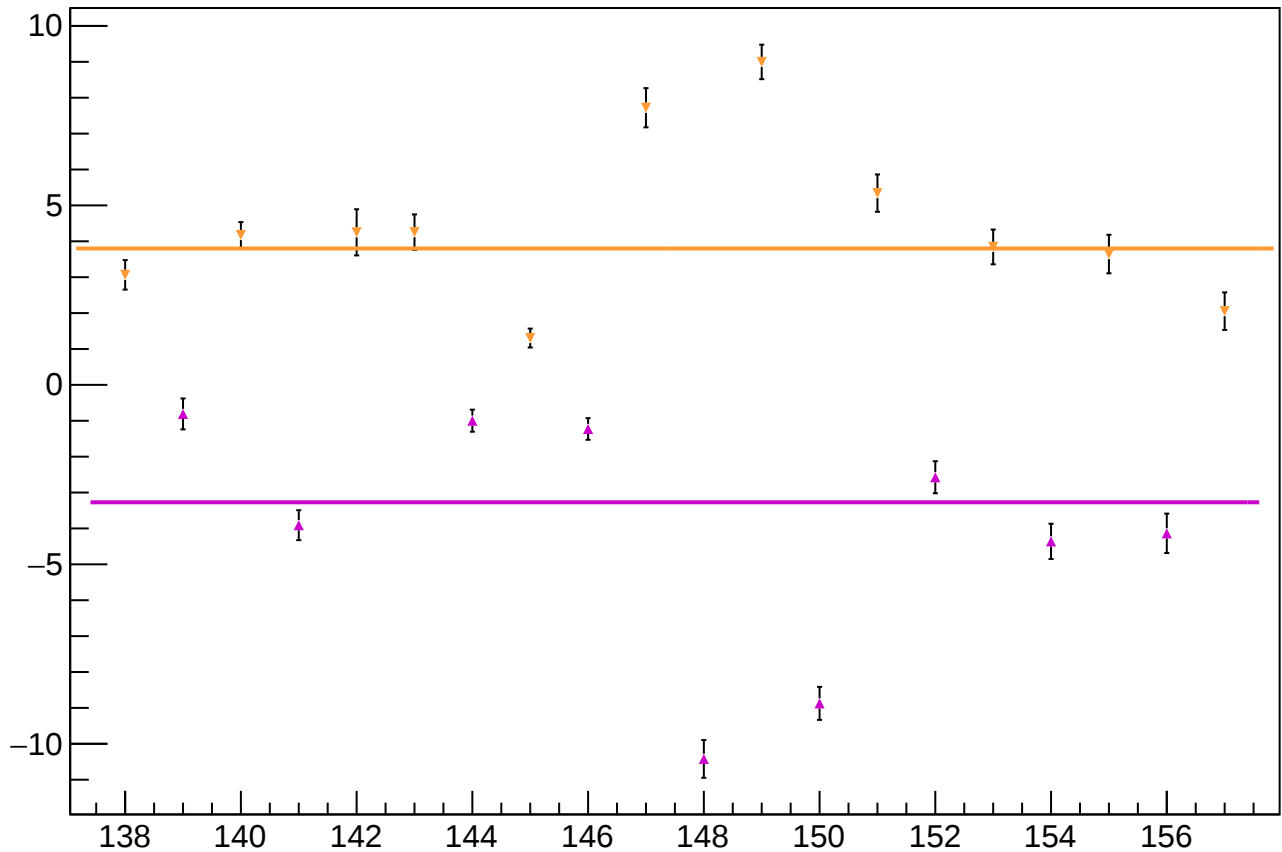
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.243 $\pm$ 0.005 χ^2 /NDF:1015.9/10
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.257 $\pm$ 0.005 χ^2 /NDF:879.5/8

0.243 $\pm$ 0.005 χ^2 /NDF: 1015.9/10
 0.003 $\pm$ 0.003 χ^2 /NDF: 7023.6/19
 -0.257 $\pm$ 0.005 χ^2 /NDF: 879.5/8

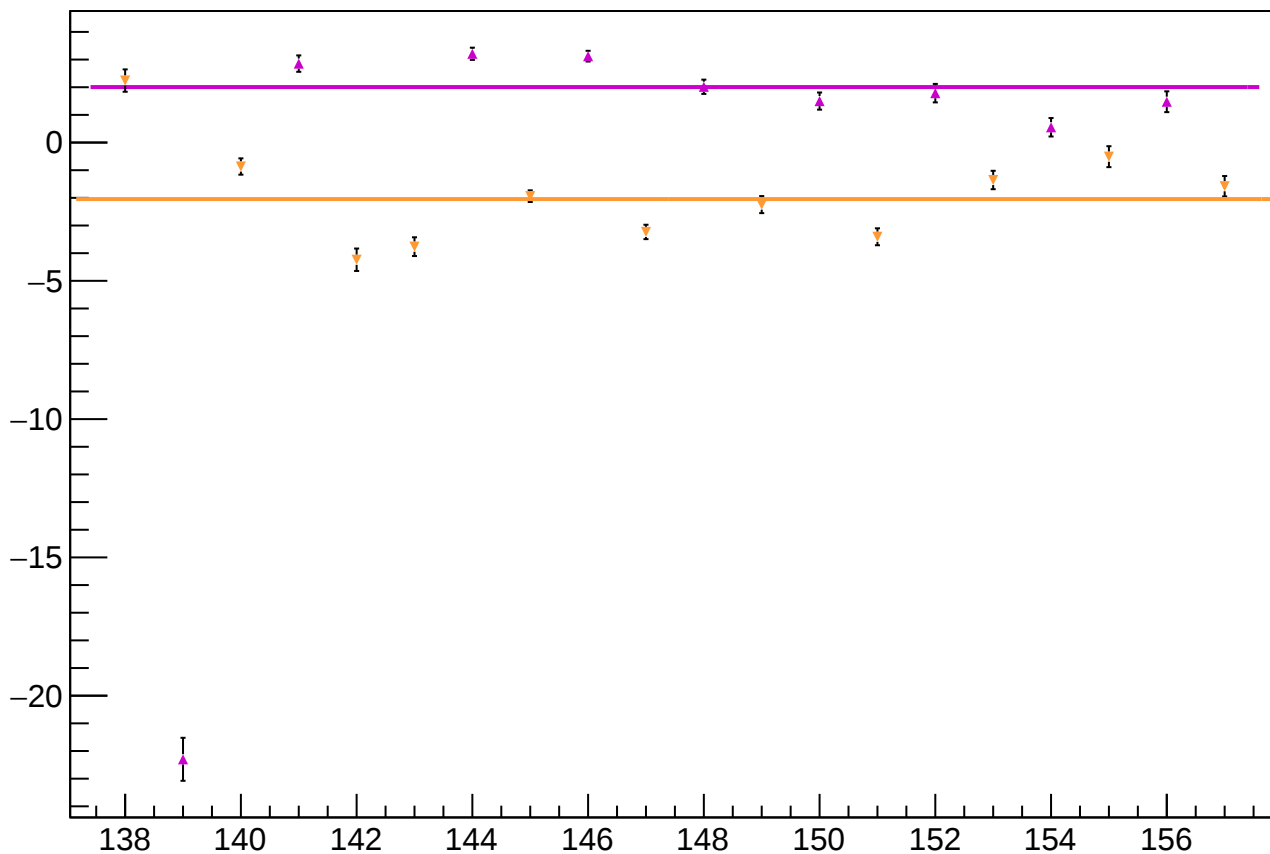
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.800 $\pm$ 0.132 χ^2 /NDF:284.1/10
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -3.272 $\pm$ 0.137 χ^2 /NDF:478.1/8

3.800 $\pm$ 0.132 χ^2 /NDF: 284.1/10
 0.386 $\pm$ 0.095 χ^2 /NDF: 2146.7/19
 -3.272 $\pm$ 0.137 χ^2 /NDF: 478.1/8

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: -2.044 $\pm$ 0.094 χ^2 /NDF: 246.9/10

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

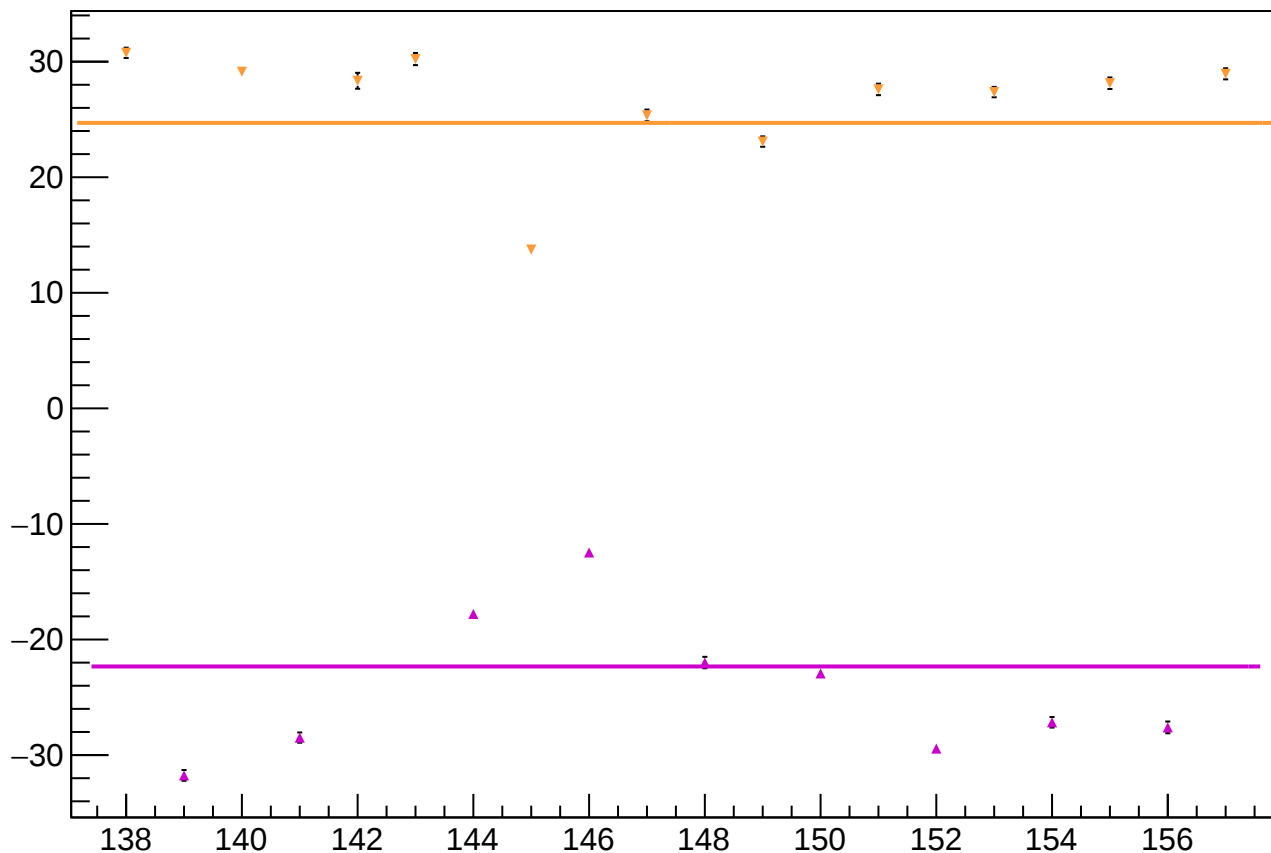
Left In: 2.006 $\pm$ 0.095 χ^2 /NDF: 1073.3/8

-2.044 $\pm$ 0.094 χ^2 /NDF: 246.9/10

-0.051 $\pm$ 0.067 χ^2 /NDF: 2241.2/19

2.006 $\pm$ 0.095 χ^2 /NDF: 1073.3/8

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: 24.703+/-0.133 χ^2/NDF :2192.5/10

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

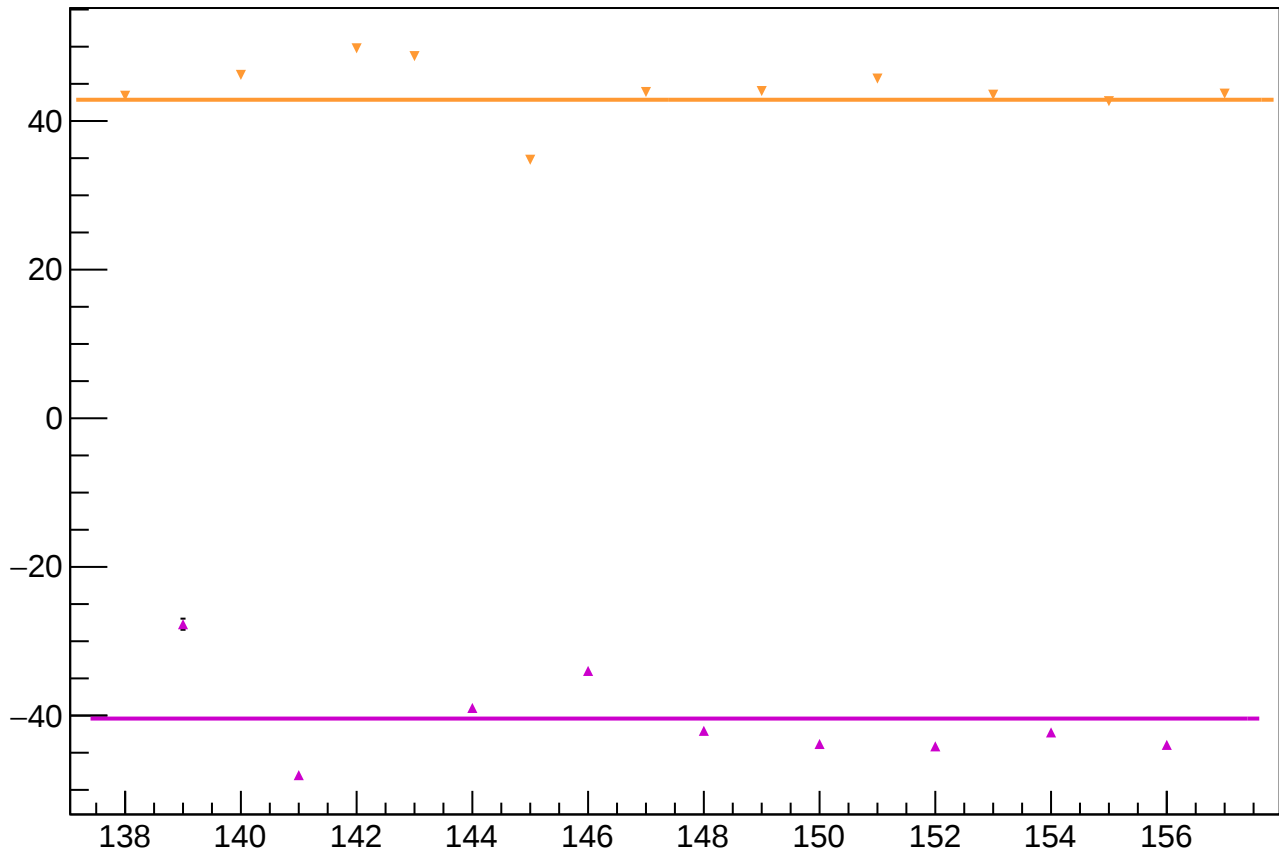
Left In: -22.331+/-0.136 χ^2/NDF :2446.0/8

24.703+/-0.133 χ^2/NDF : 2192.5/10

1.590+/-0.095 χ^2/NDF : 65879.0/19

-22.331+/-0.136 χ^2/NDF : 2446.0/8

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 42.860 $\pm$ 0.113 χ^2/NDF :1666.7/10

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

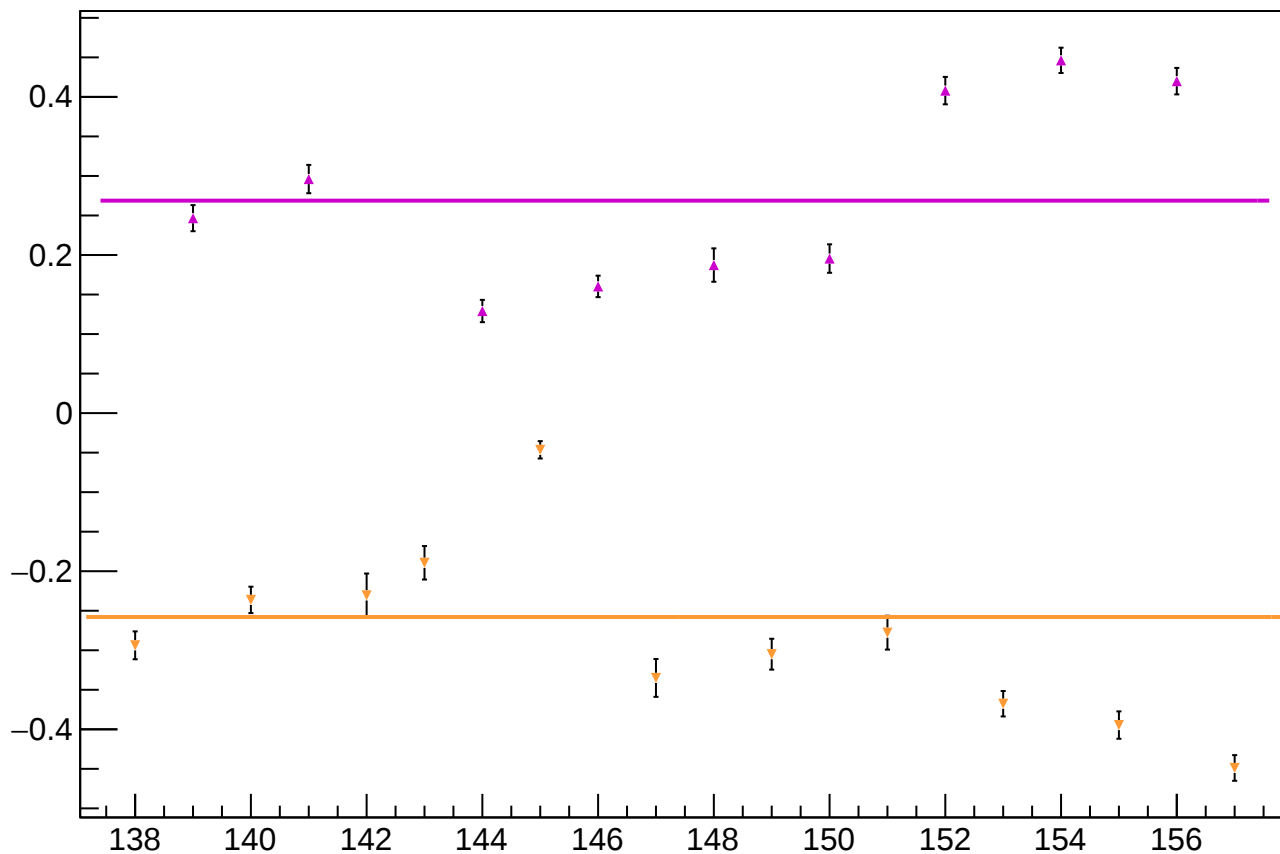
Left In: -40.404 $\pm$ 0.115 χ^2/NDF :1774.0/8

42.860 $\pm$ 0.113 χ^2/NDF : 1666.7/10

2.074 $\pm$ 0.081 χ^2/NDF : 270782.7/19

-40.404 $\pm$ 0.115 χ^2/NDF : 1774.0/8

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: -0.258 $\pm$ 0.005 χ^2 /NDF: 651.9/10

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

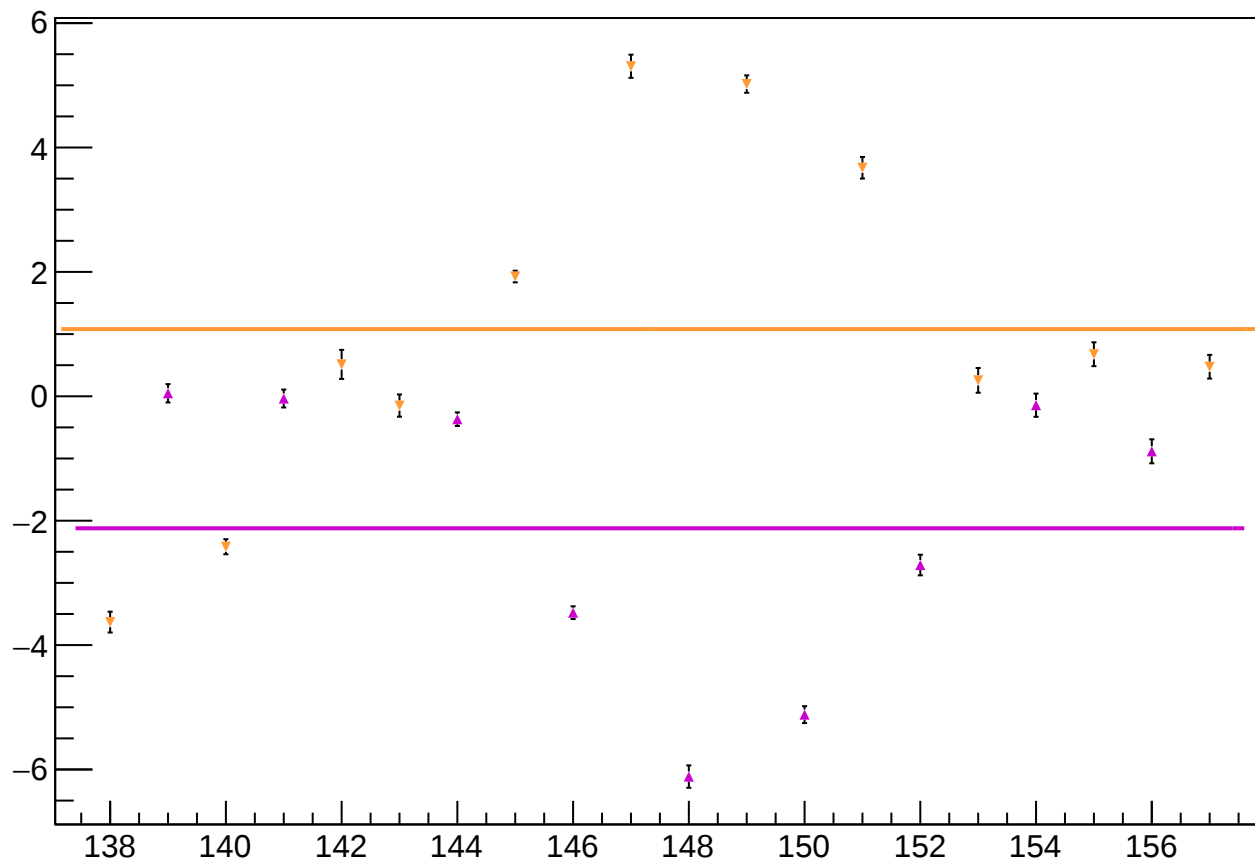
Left In: 0.269 $\pm$ 0.005 χ^2 /NDF: 465.8/8

-0.258 $\pm$ 0.005 χ^2 /NDF: 651.9/10

-0.005 $\pm$ 0.004 χ^2 /NDF: 5928.1/19

0.269 $\pm$ 0.005 χ^2 /NDF: 465.8/8

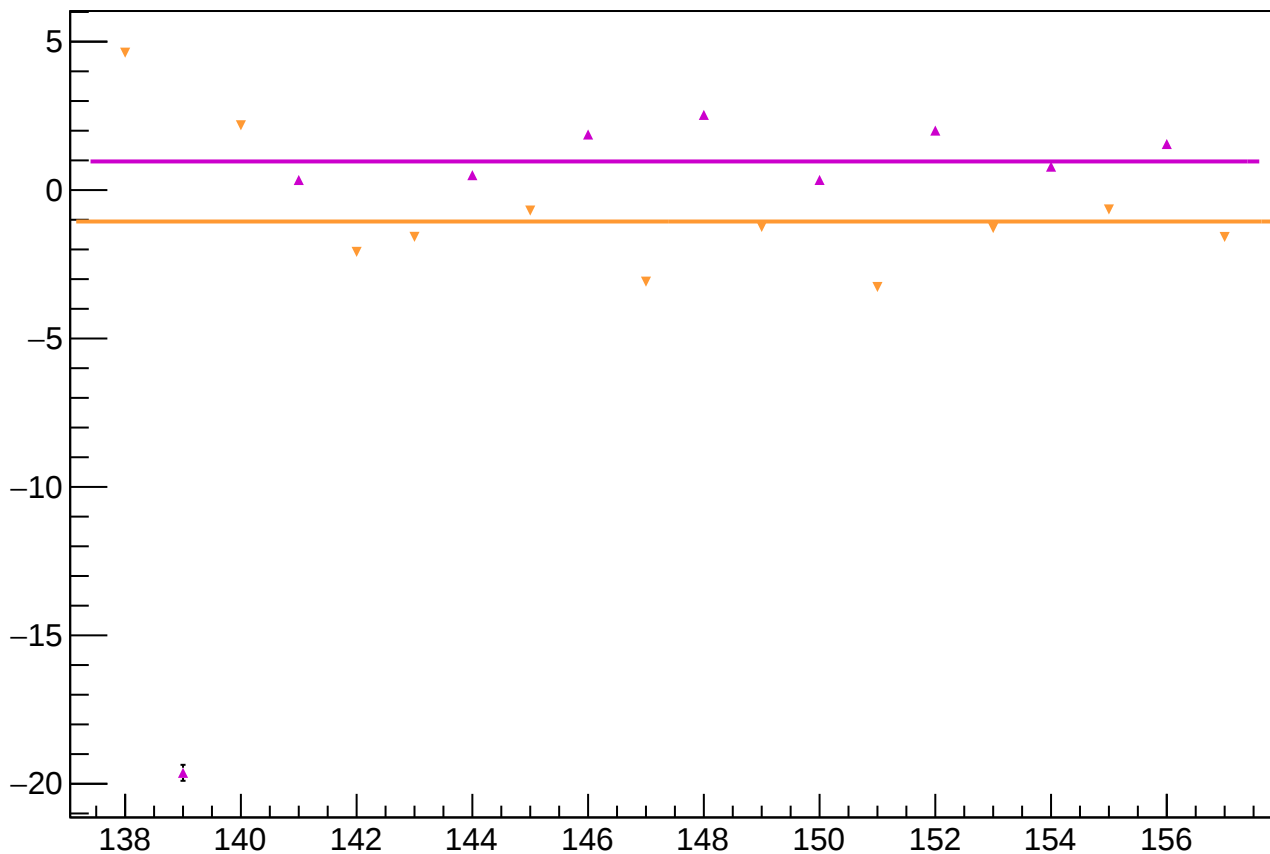
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 1.081 $\pm$ 0.047 χ^2 /NDF:3319.1/10
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -2.122 $\pm$ 0.047 χ^2 /NDF:2002.7/8

1.081 $\pm$ 0.047 χ^2 /NDF: 3319.1/10
 -0.503 $\pm$ 0.033 χ^2 /NDF: 7655.1/19
 -2.122 $\pm$ 0.047 χ^2 /NDF: 2002.7/8

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: -1.059+/-0.033 χ^2/NDF : 3270.9/10

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

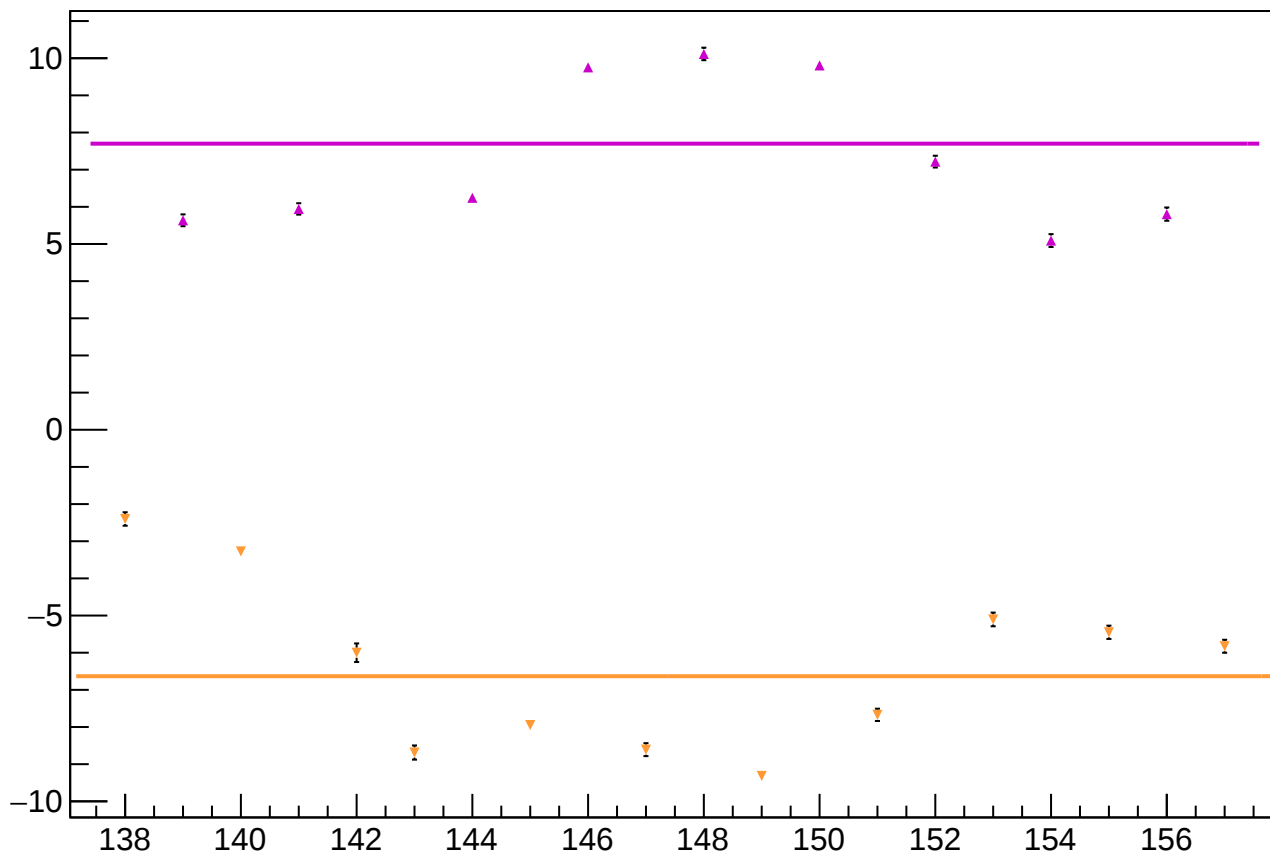
Left In: 0.964+/-0.033 χ^2/NDF : 6565.3/8

-1.059+/-0.033 χ^2/NDF : 3270.9/10

-0.047+/-0.023 χ^2/NDF : 11722.1/19

0.964+/-0.033 χ^2/NDF : 6565.3/8

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -6.633 ± 0.047 χ^2/NDF : 2238.6/10

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

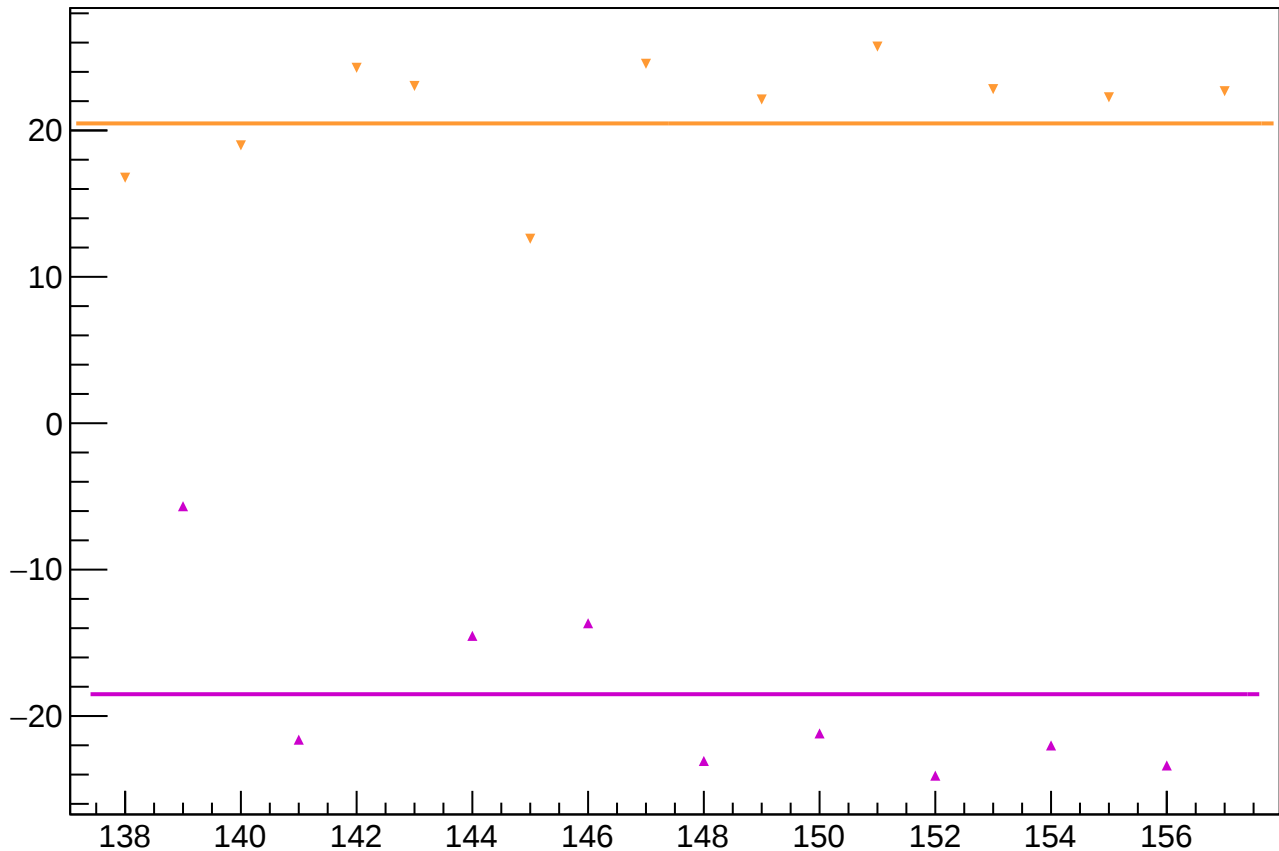
Left In: 7.700 ± 0.047 χ^2/NDF : 1715.1/8

-6.633 ± 0.047 χ^2/NDF : 2238.6/10

0.559 ± 0.033 χ^2/NDF : 50918.2/19

7.700 ± 0.047 χ^2/NDF : 1715.1/8

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 20.479+/-0.040 χ^2/NDF : 12724.7/10

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

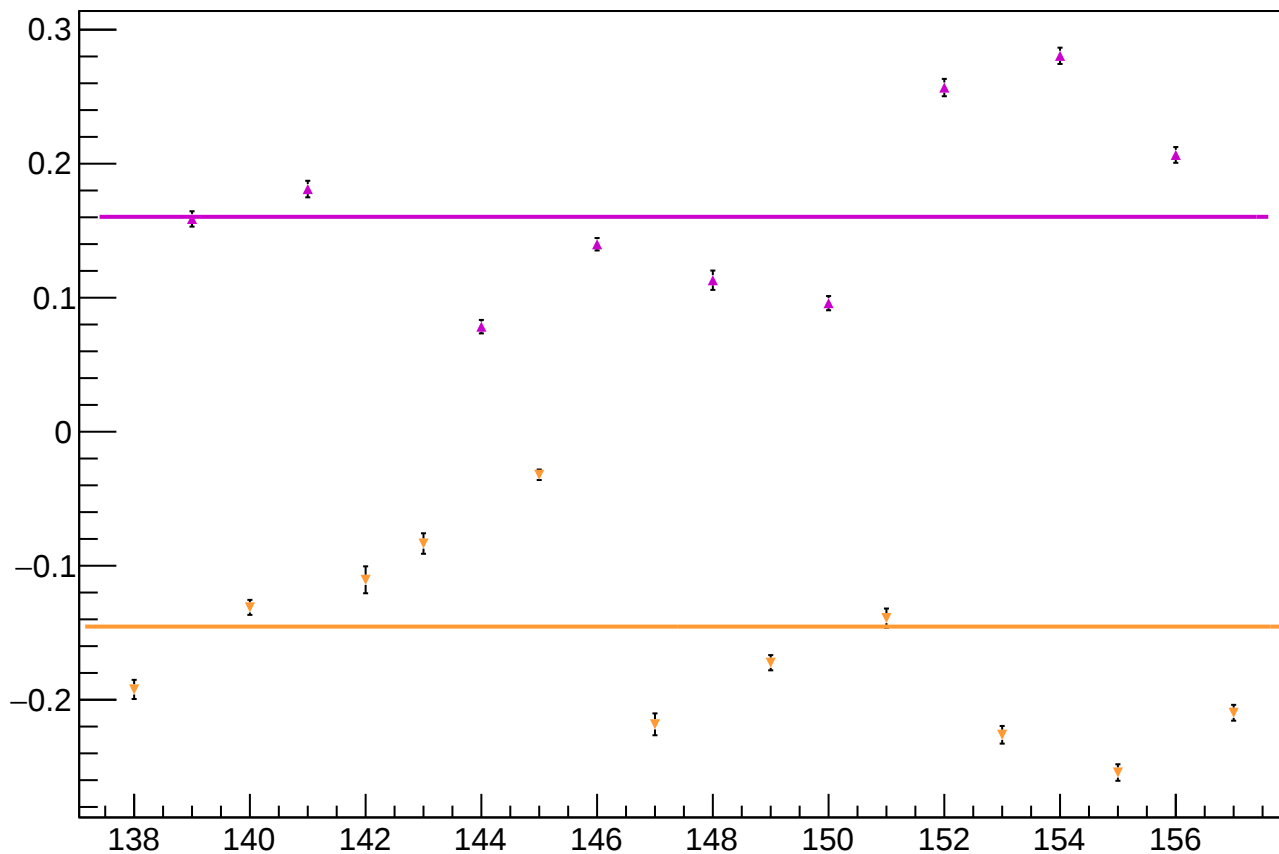
Left In: -18.510+/-0.040 χ^2/NDF : 13407.3/8

20.479+/-0.040 χ^2/NDF : 12724.7/10

1.005+/-0.028 χ^2/NDF : 507581.5/19

-18.510+/-0.040 χ^2/NDF : 13407.3/8

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -0.145 $\pm$ 0.002 χ^2 /NDF:1650.7/10

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

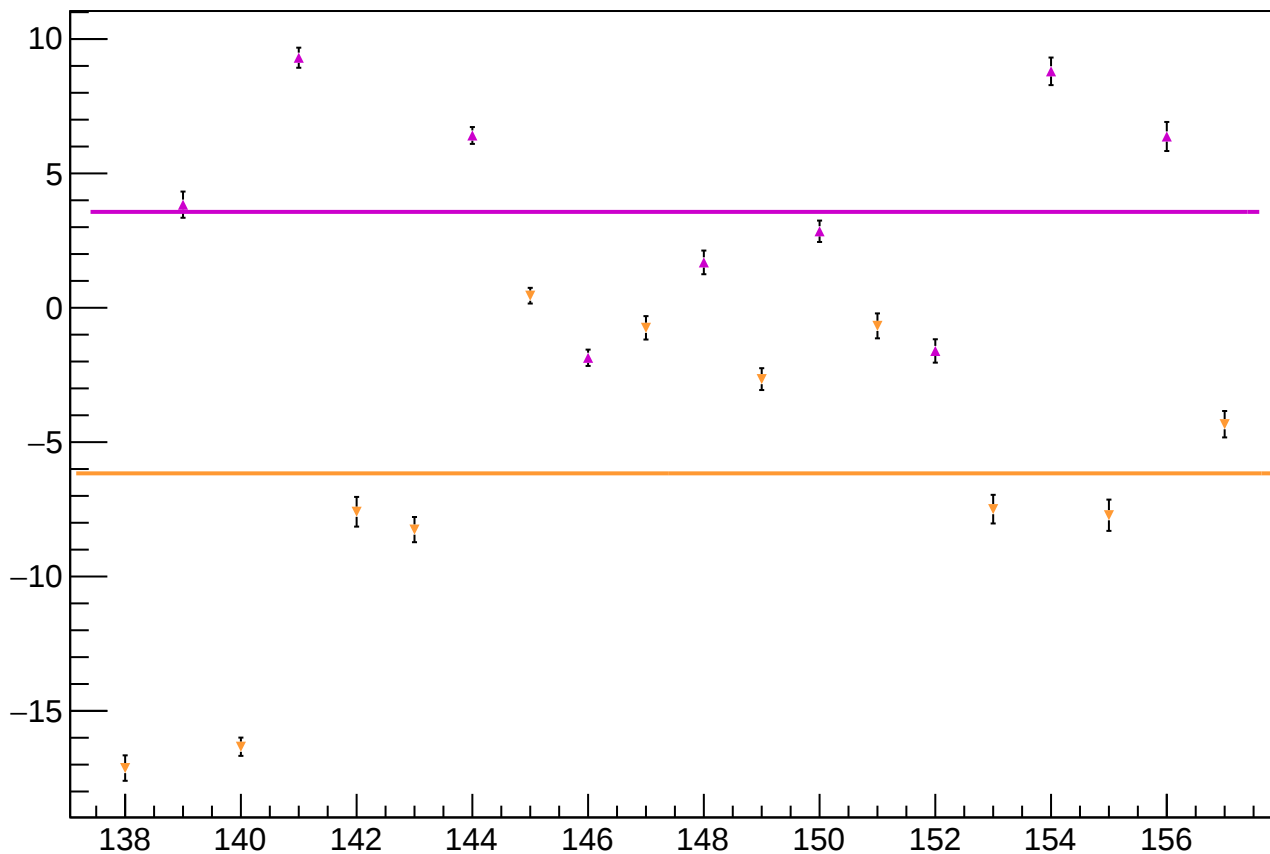
Left In: 0.160 $\pm$ 0.002 χ^2 /NDF:1161.1/8

-0.145 $\pm$ 0.002 χ^2 /NDF: 1650.7/10

0.005 $\pm$ 0.001 χ^2 /NDF: 16008.0/19

0.160 $\pm$ 0.002 χ^2 /NDF: 1161.1/8

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -6.161+/-0.130 χ^2/NDF : 2366.9/10

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

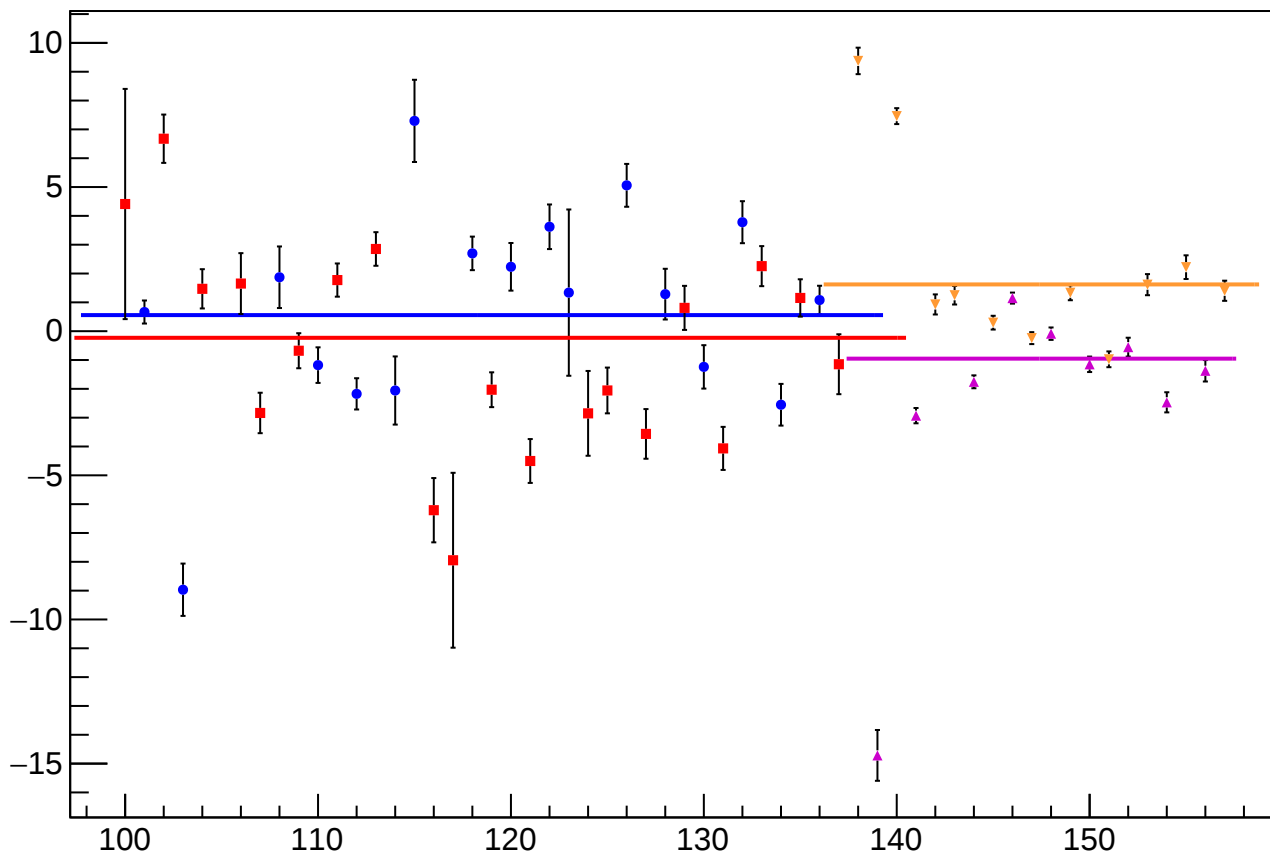
Left In: 3.568+/-0.133 χ^2/NDF : 932.0/8

-6.161+/-0.130 χ^2/NDF : 2366.9/10

-1.418+/-0.093 χ^2/NDF : 6033.2/19

3.568+/-0.133 χ^2/NDF : 932.0/8

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.558 $\pm$ 0.170 χ^2/NDF : 287.9/16

Left Out: 1.622 $\pm$ 0.089 χ^2/NDF : 942.1/10

Right Out: -0.230 $\pm$ 0.174 χ^2/NDF : 278.5/19

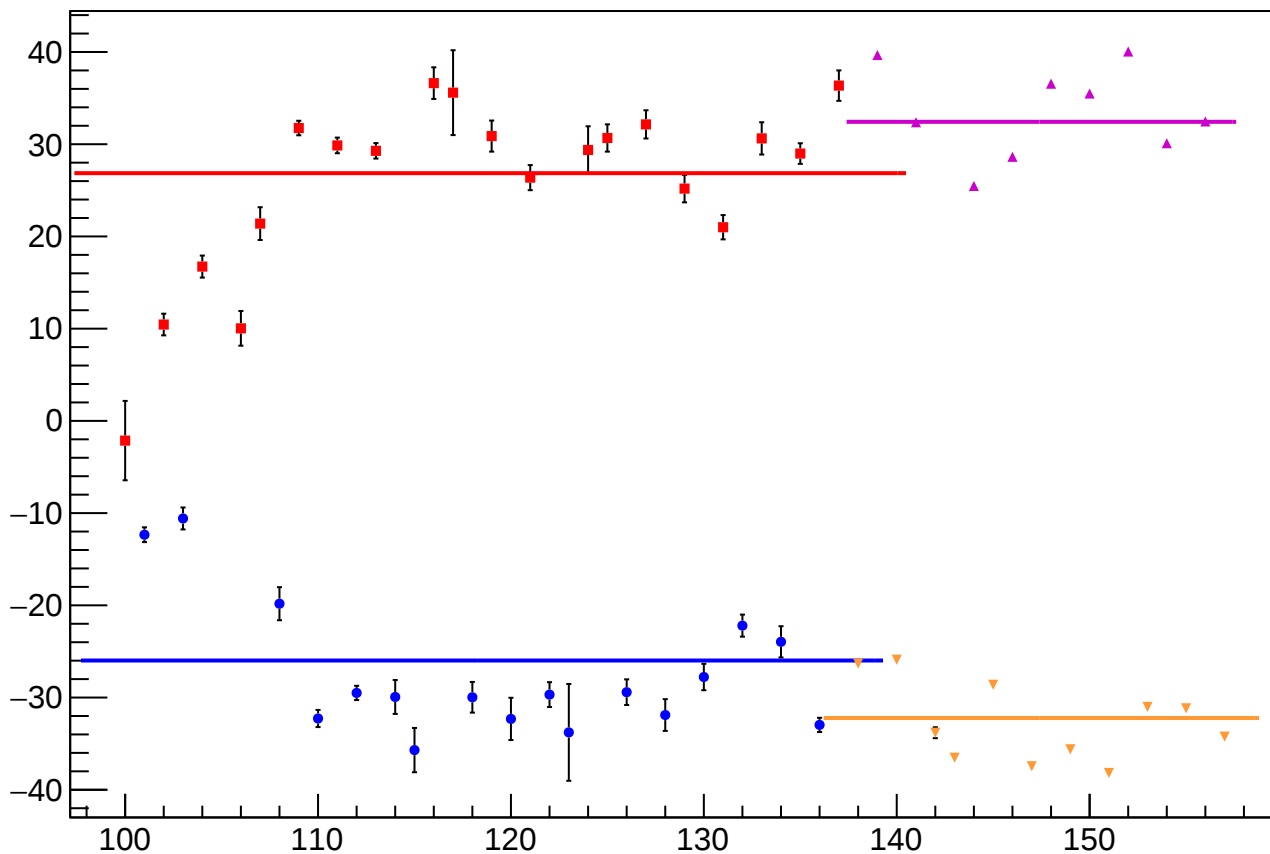
Left In: -0.953 $\pm$ 0.090 χ^2/NDF : 471.7/8

1.394 $\pm$ 0.079 χ^2/NDF : 1260.8/27

0.313 $\pm$ 0.056 χ^2/NDF : 2405.8/56

-0.800 $\pm$ 0.080 χ^2/NDF : 763.9/28

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -25.984 ± 0.300 χ^2/NDF : 691.5/16

Left Out: -32.219 ± 0.130 χ^2/NDF : 1109.5/10

Right Out: 26.861 ± 0.297 χ^2/NDF : 585.2/19

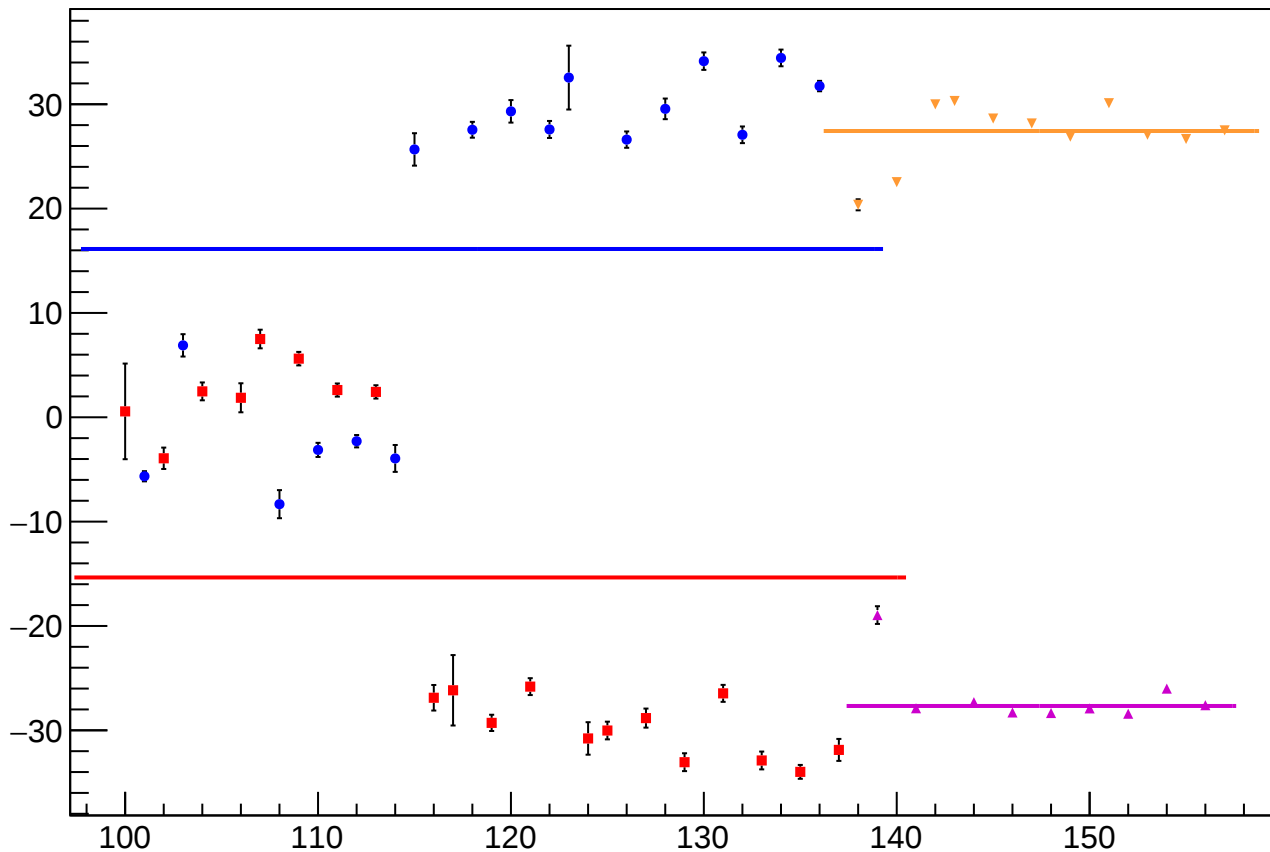
Left In: 32.428 ± 0.132 χ^2/NDF : 1313.4/8

-31.236 ± 0.119 χ^2/NDF : 2163.8/27

-0.110 ± 0.085 χ^2/NDF : 141510.9/56

31.515 ± 0.120 χ^2/NDF : 2192.2/28

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 16.129+/-0.192 χ^2/NDF : 7572.5/16

Left Out: 27.436+/-0.108 χ^2/NDF : 574.0/10

Right Out: -15.352+/-0.197 χ^2/NDF : 7288.4/19

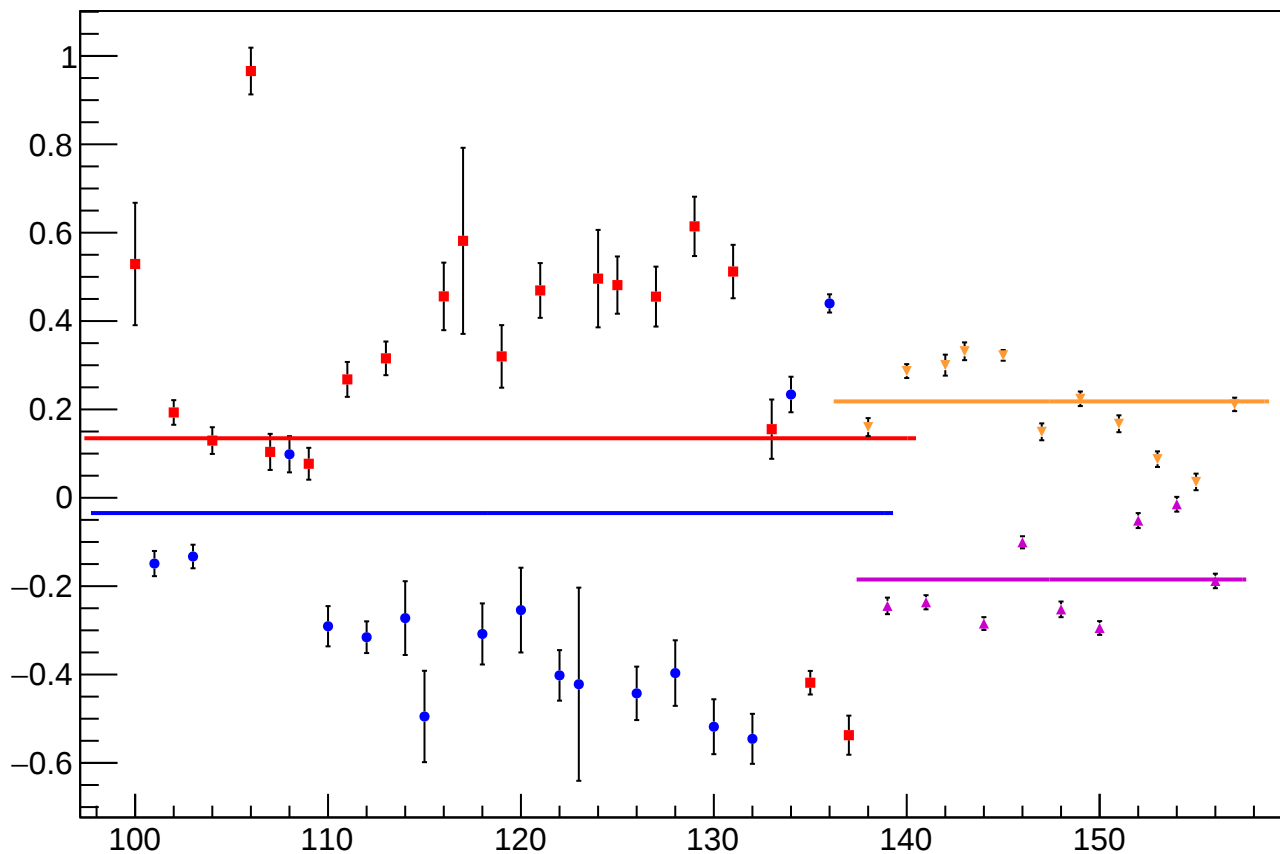
Left In: -27.668+/-0.110 χ^2/NDF : 140.8/8

24.701+/-0.094 χ^2/NDF : 10774.3/27

0.378+/-0.067 χ^2/NDF : 155995.0/56

-24.736+/-0.096 χ^2/NDF : 10416.8/28

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: 0.218+/-0.005 χ^2/NDF : 314.0/10

Right Out: 0.135+/-0.010 χ^2/NDF : 1166.4/19

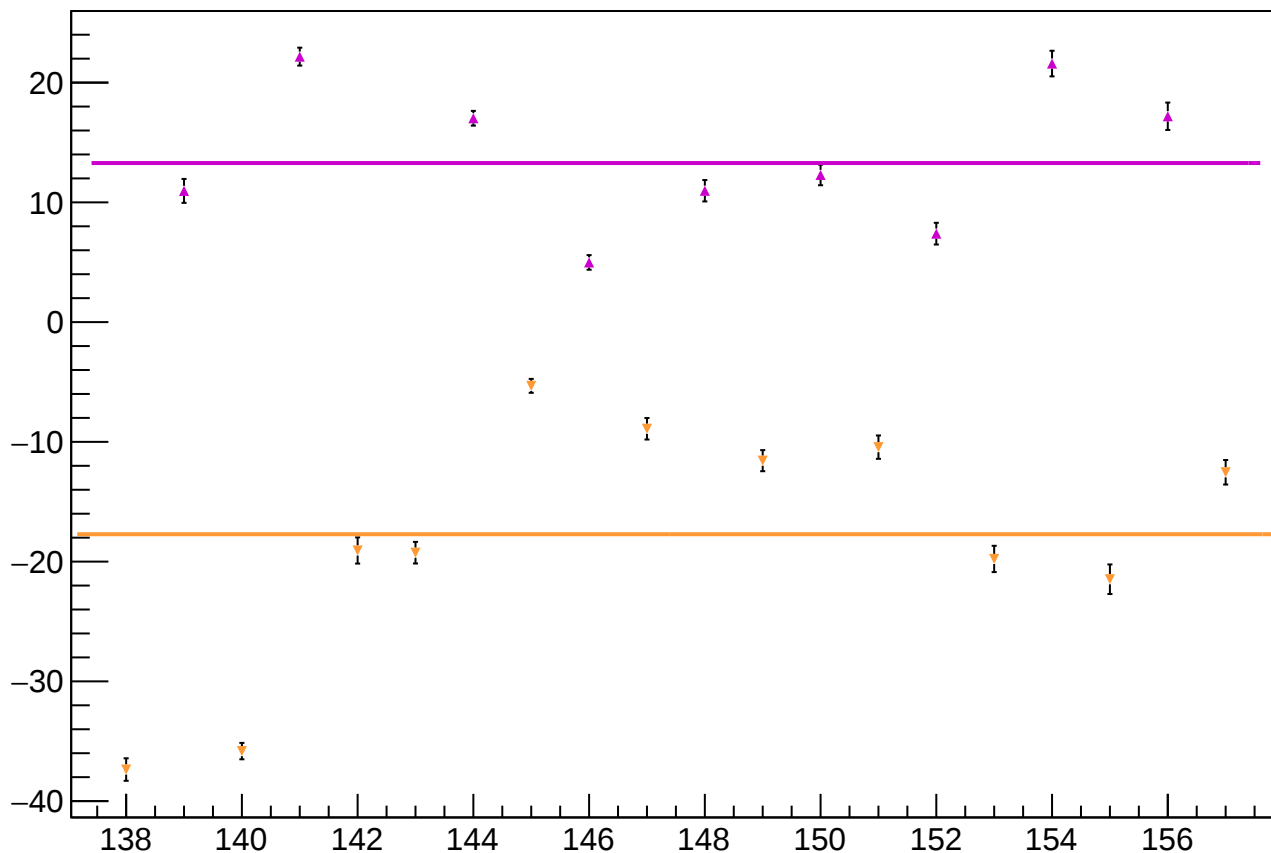
Left In: -0.185+/-0.005 χ^2/NDF : 335.4/8

0.167+/-0.005 χ^2/NDF : 1802.8/27

0.028+/-0.003 χ^2/NDF : 5888.0/56

-0.118+/-0.005 χ^2/NDF : 2252.8/28

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -17.714 $\pm$ 0.264 χ^2 /NDF:1834.3/10

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

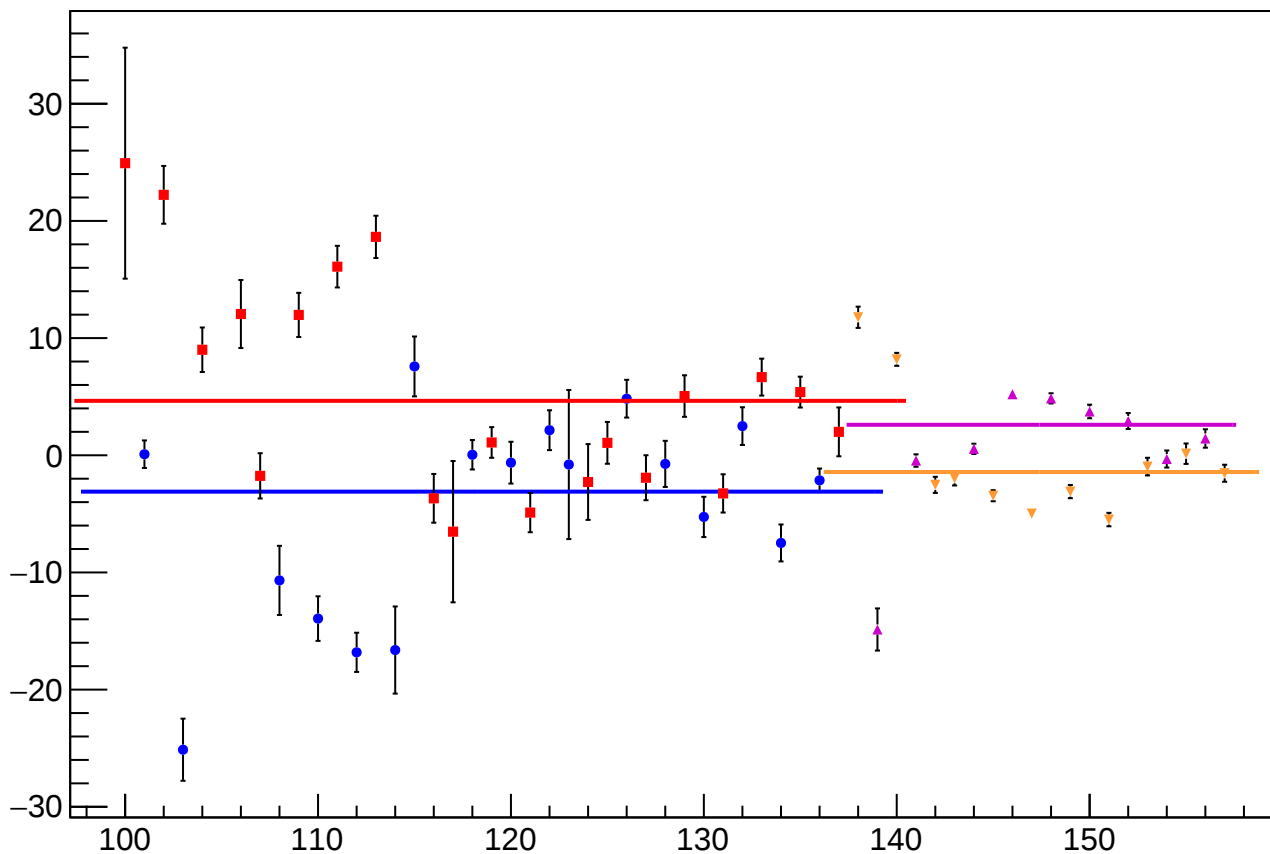
Left In: 13.284 $\pm$ 0.271 χ^2 /NDF:490.4/8

-17.714 $\pm$ 0.264 χ^2 /NDF: 1834.3/10

-2.623 $\pm$ 0.189 χ^2 /NDF: 9018.4/19

13.284 $\pm$ 0.271 χ^2 /NDF: 490.4/8

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.104 $\pm$ 0.411 χ^2 /NDF: 279.1/16

Left Out: -1.429 $\pm$ 0.182 χ^2 /NDF: 665.3/10

Right Out: 4.645 $\pm$ 0.425 χ^2 /NDF: 301.1/19

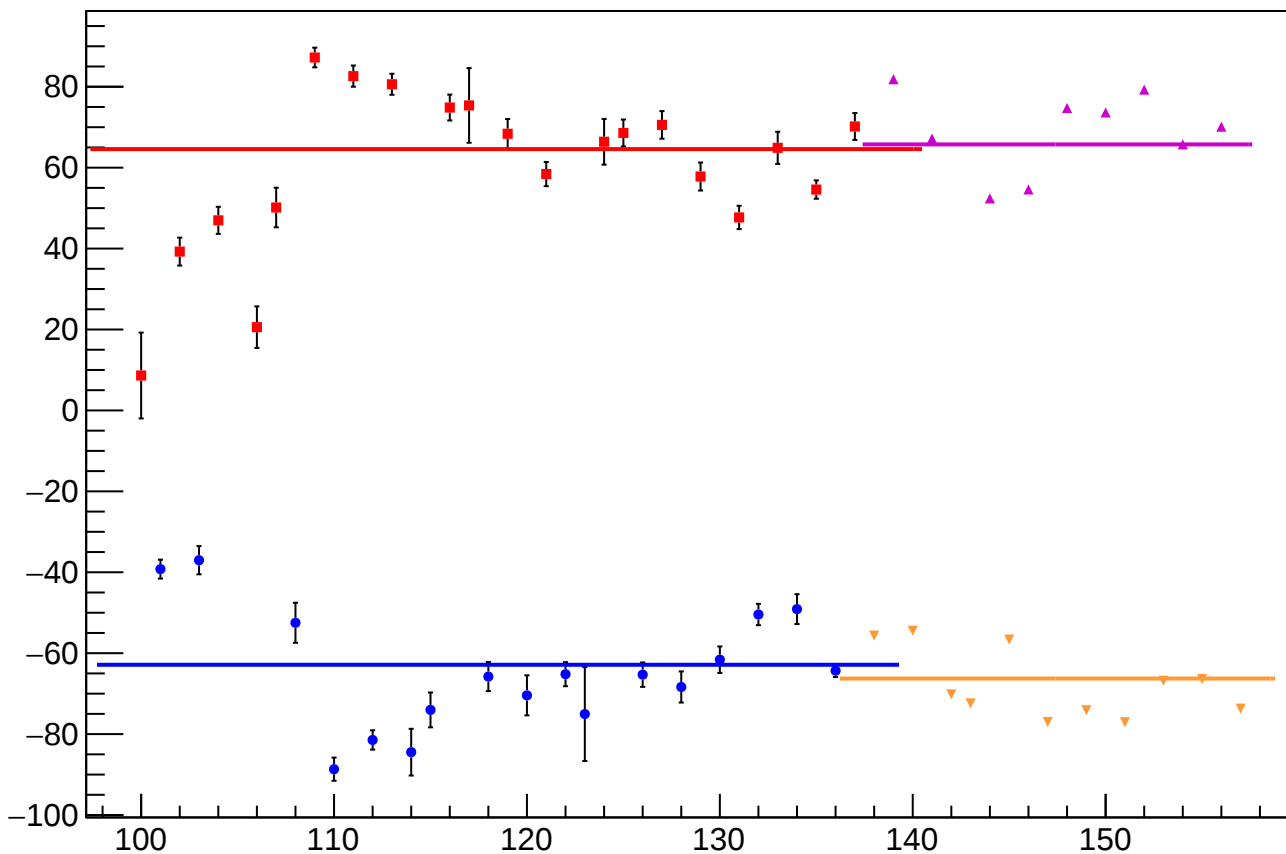
Left In: 2.600 $\pm$ 0.183 χ^2 /NDF: 246.2/8

-1.702 $\pm$ 0.166 χ^2 /NDF: 958.4/27

0.585 $\pm$ 0.118 χ^2 /NDF: 1908.4/56

2.918 $\pm$ 0.168 χ^2 /NDF: 566.8/28

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.863 ± 0.741 χ^2/NDF : 368.7/16

Left Out: -66.266 ± 0.266 χ^2/NDF : 1117.4/10

Right Out: 64.588 ± 0.749 χ^2/NDF : 445.6/19

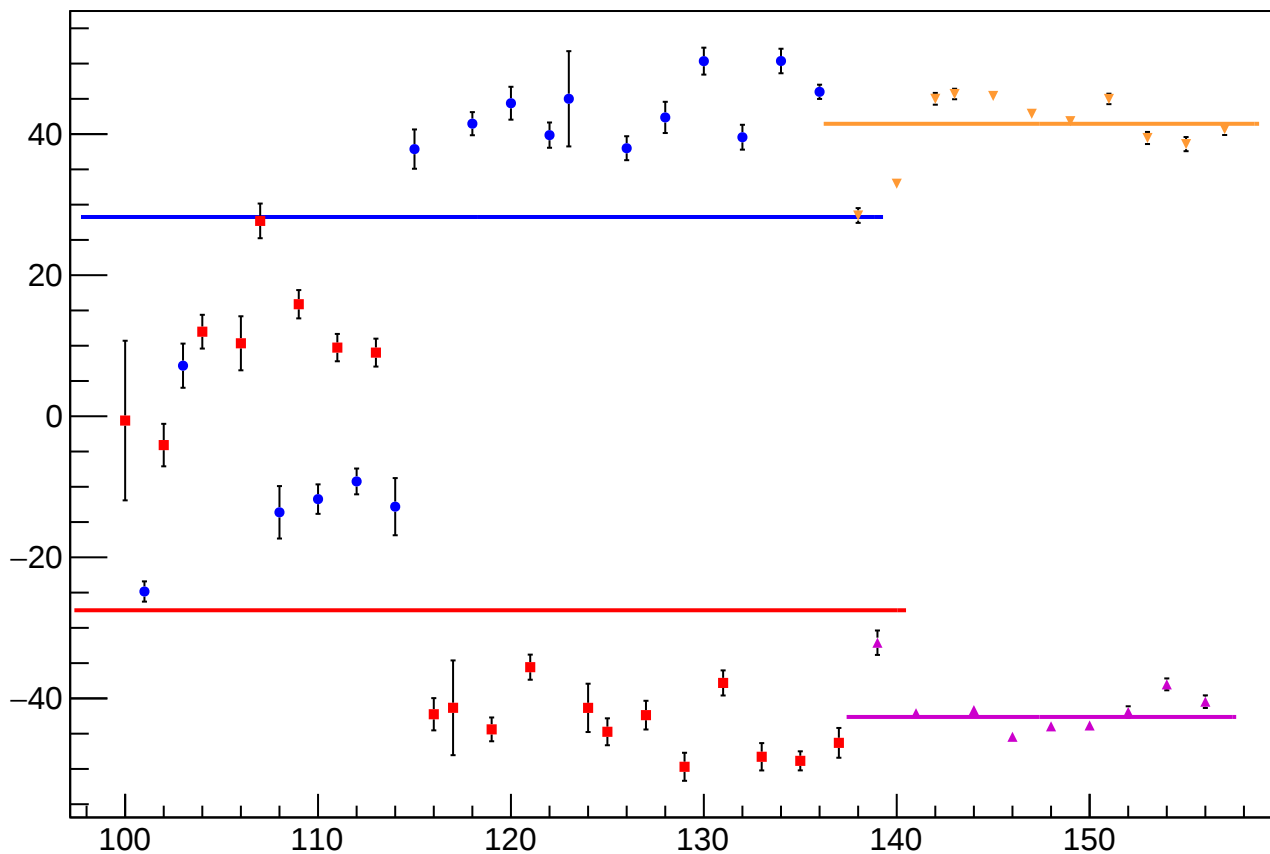
Left In: 65.747 ± 0.269 χ^2/NDF : 1468.6/8

-65.878 ± 0.250 χ^2/NDF : 1504.8/27

-0.886 ± 0.178 χ^2/NDF : 140114.1/56

65.615 ± 0.253 χ^2/NDF : 1916.3/28

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.250 ± 0.460 $\chi^2/\text{NDF}: 3319.5/16$

Left Out: 41.463 ± 0.221 $\chi^2/\text{NDF}: 460.0/10$

Right Out: -27.505 ± 0.478 $\chi^2/\text{NDF}: 3036.7/19$

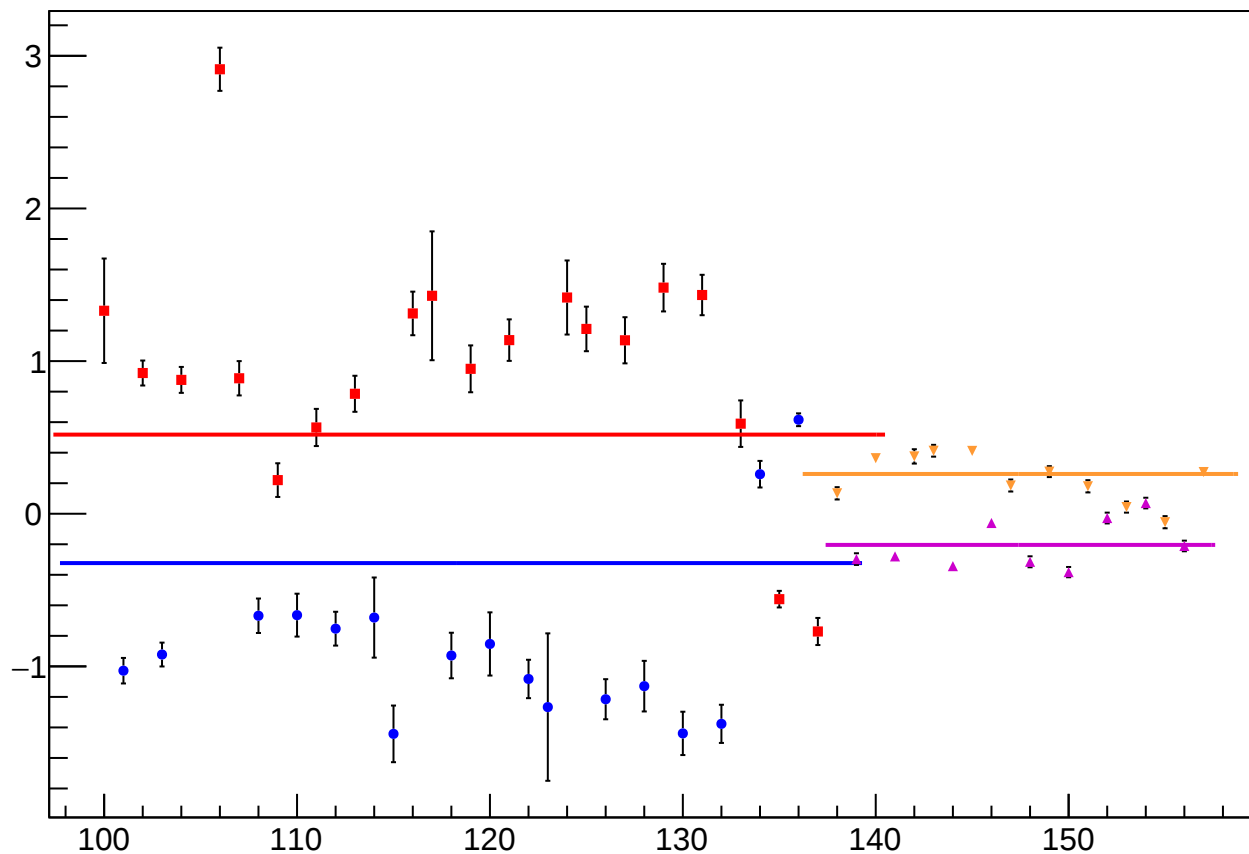
Left In: -42.629 ± 0.224 $\chi^2/\text{NDF}: 120.6/8$

38.981 ± 0.199 $\chi^2/\text{NDF}: 4449.3/27$

0.123 ± 0.142 $\chi^2/\text{NDF}: 85497.1/56$

-39.912 ± 0.202 $\chi^2/\text{NDF}: 3980.0/28$

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.323 ± 0.025 $\chi^2/\text{NDF}: 1010.8/16$

Left Out: 0.261 ± 0.011 $\chi^2/\text{NDF}: 187.1/10$

Right Out: 0.518 ± 0.026 $\chi^2/\text{NDF}: 1165.5/19$

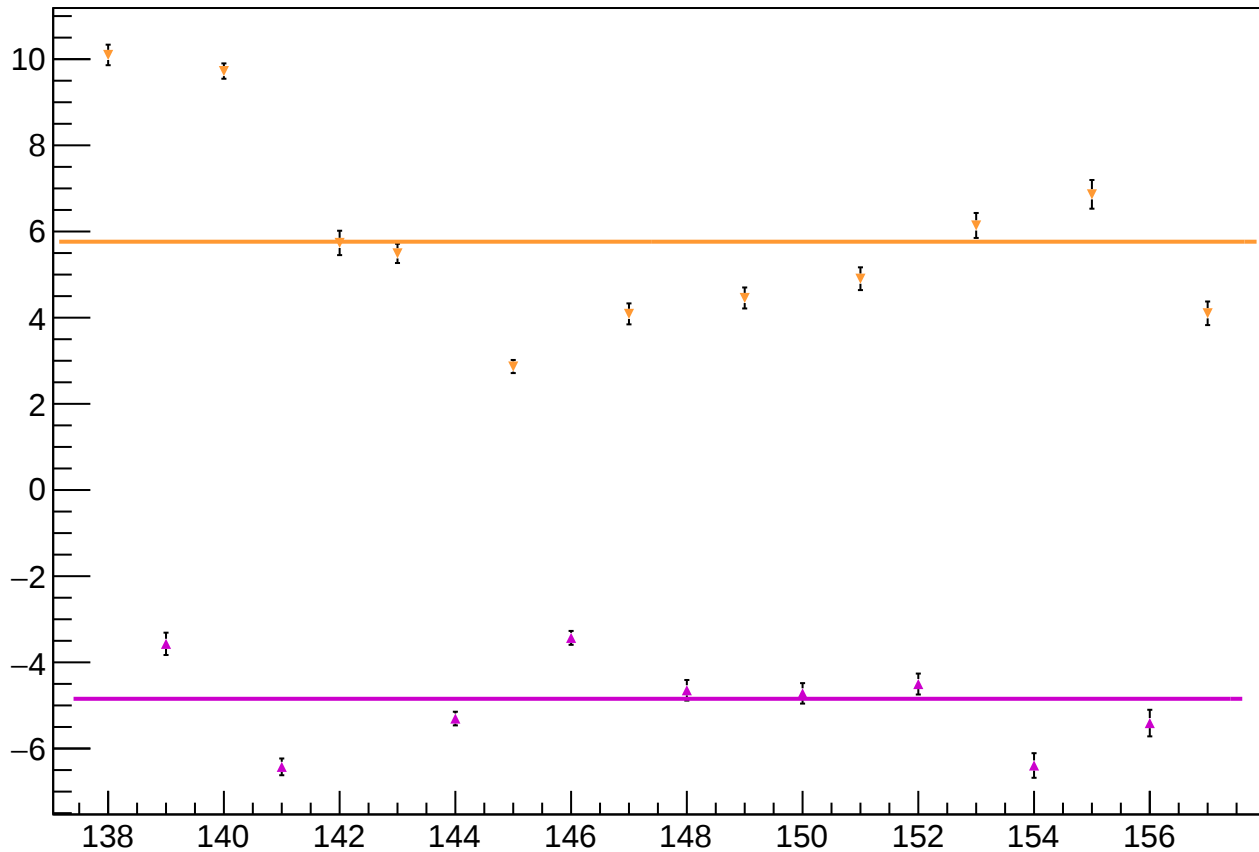
Left In: -0.204 ± 0.011 $\chi^2/\text{NDF}: 186.6/8$

0.171 ± 0.010 $\chi^2/\text{NDF}: 1661.2/27$

0.043 ± 0.007 $\chi^2/\text{NDF}: 4034.2/56$

-0.093 ± 0.010 $\chi^2/\text{NDF}: 2020.5/28$

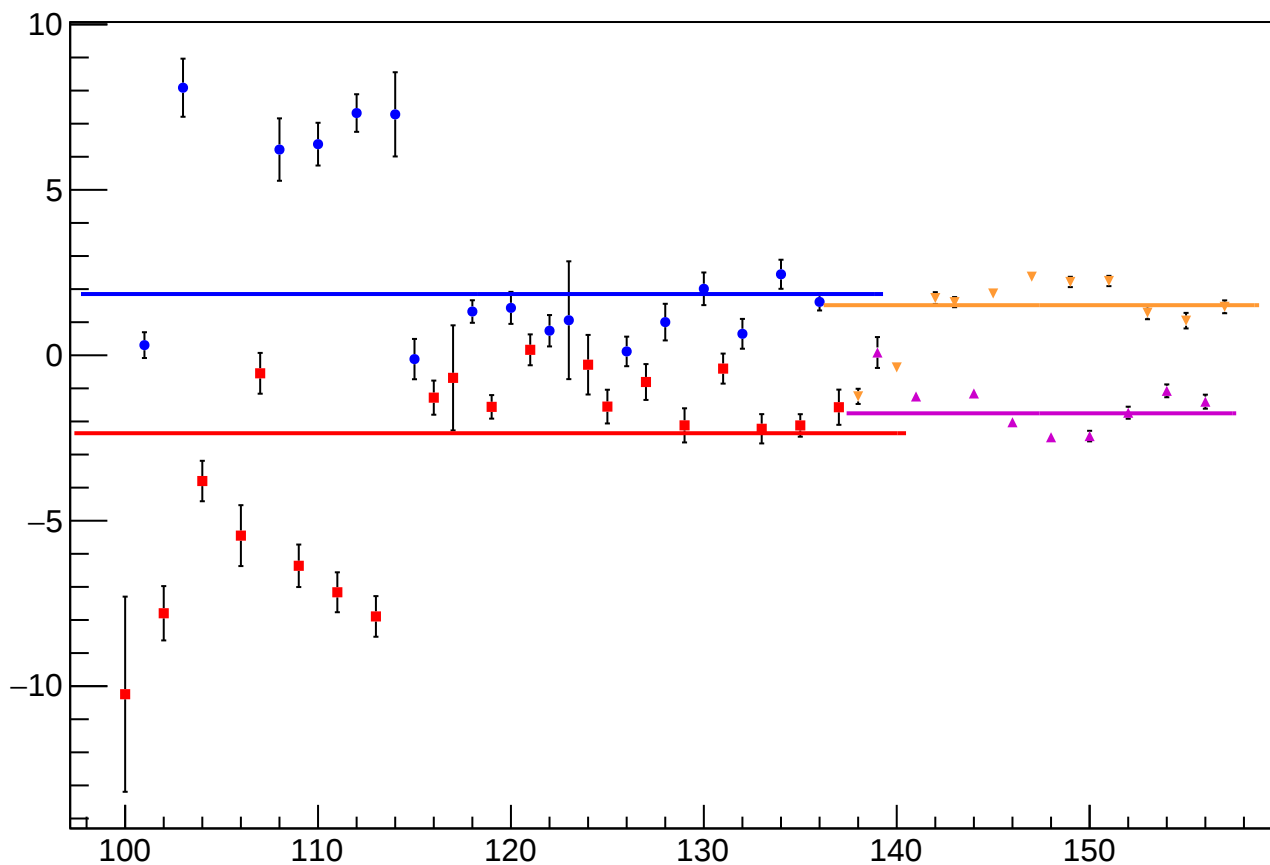
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.764 $\pm$ 0.069 χ^2 /NDF:1325.8/10
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -4.846 $\pm$ 0.072 χ^2 /NDF:211.3/8

5.764 $\pm$ 0.069 χ^2 /NDF: 1325.8/10
 0.624 $\pm$ 0.050 χ^2 /NDF: 12829.0/19
 -4.846 $\pm$ 0.072 χ^2 /NDF: 211.3/8

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.851 ± 0.117 χ^2/NDF : 294.2/16

Left Out: 1.514 ± 0.048 χ^2/NDF : 427.8/10

Right Out: -2.355 ± 0.122 χ^2/NDF : 337.4/19

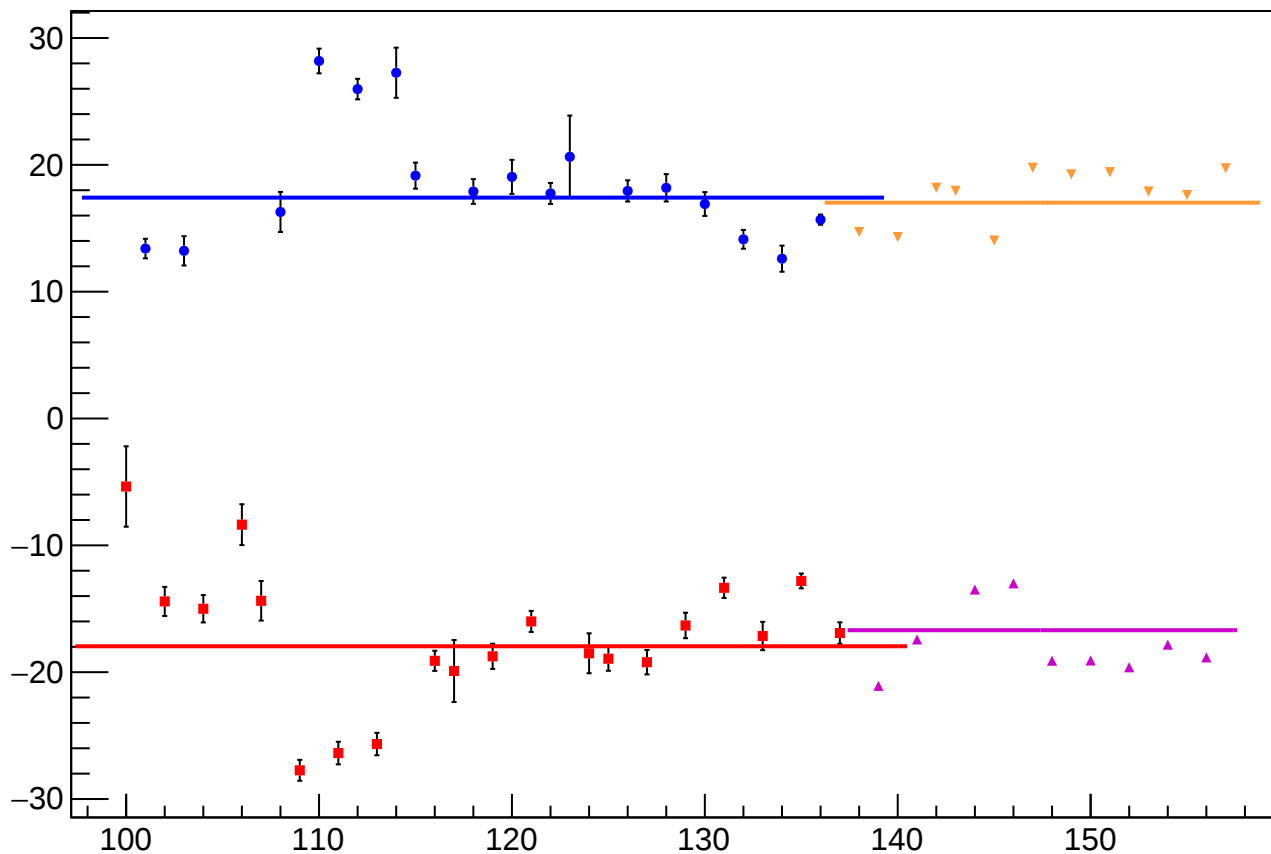
Left In: -1.754 ± 0.048 χ^2/NDF : 137.4/8

1.563 ± 0.044 χ^2/NDF : 729.0/27

-0.122 ± 0.032 χ^2/NDF : 4130.7/56

-1.834 ± 0.045 χ^2/NDF : 495.7/28

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.417 ± 0.213 $\chi^2/\text{NDF}: 367.0/16$

Left Out: 17.019 ± 0.070 $\chi^2/\text{NDF}: 1120.4/10$

Right Out: -17.957 ± 0.218 $\chi^2/\text{NDF}: 506.2/19$

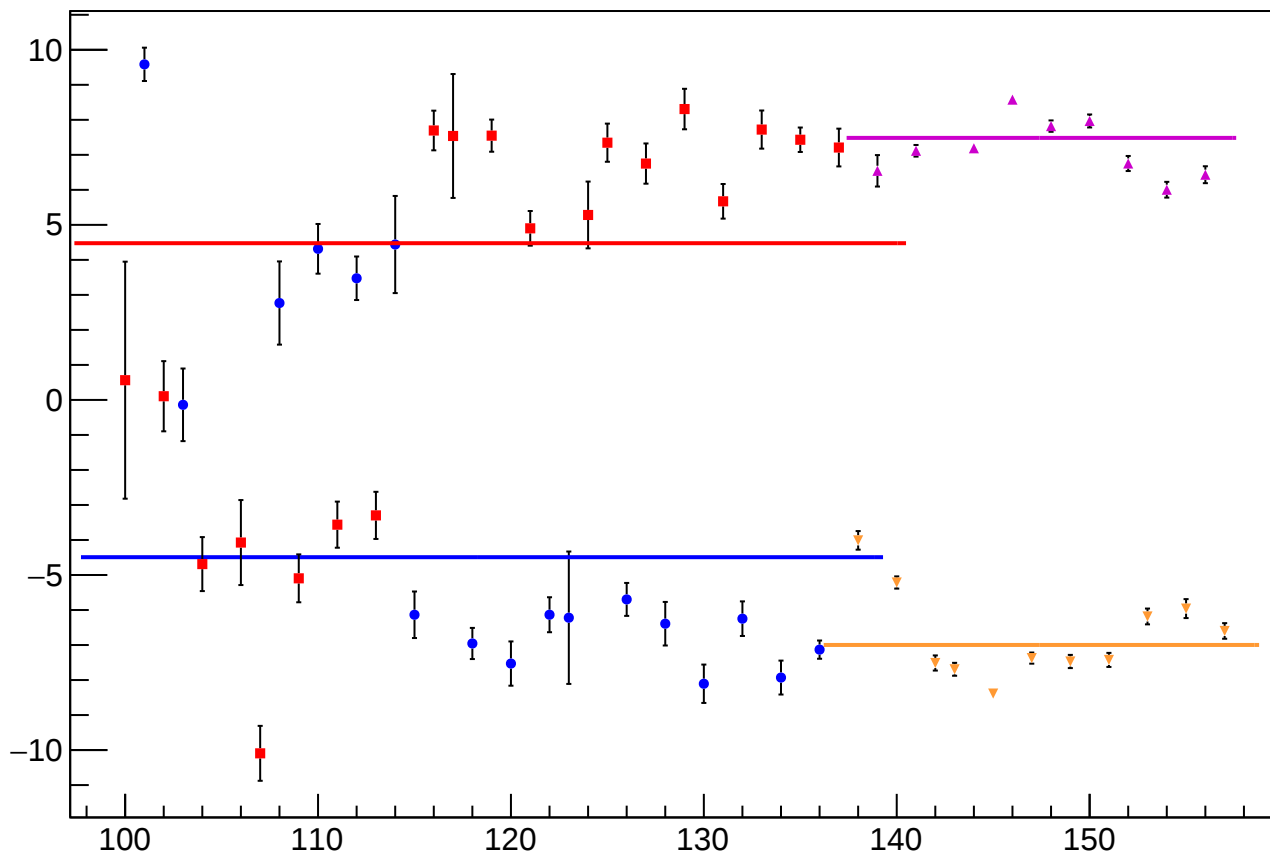
Left In: -16.690 ± 0.071 $\chi^2/\text{NDF}: 1646.7/8$

17.058 ± 0.067 $\chi^2/\text{NDF}: 1490.6/27$

0.393 ± 0.047 $\chi^2/\text{NDF}: 131128.0/56$

-16.812 ± 0.068 $\chi^2/\text{NDF}: 2183.3/28$

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.491 ± 0.130 χ^2/NDF : 1585.4/16

Left Out: -6.998 ± 0.058 χ^2/NDF : 393.8/10

Right Out: 4.476 ± 0.137 χ^2/NDF : 1342.0/19

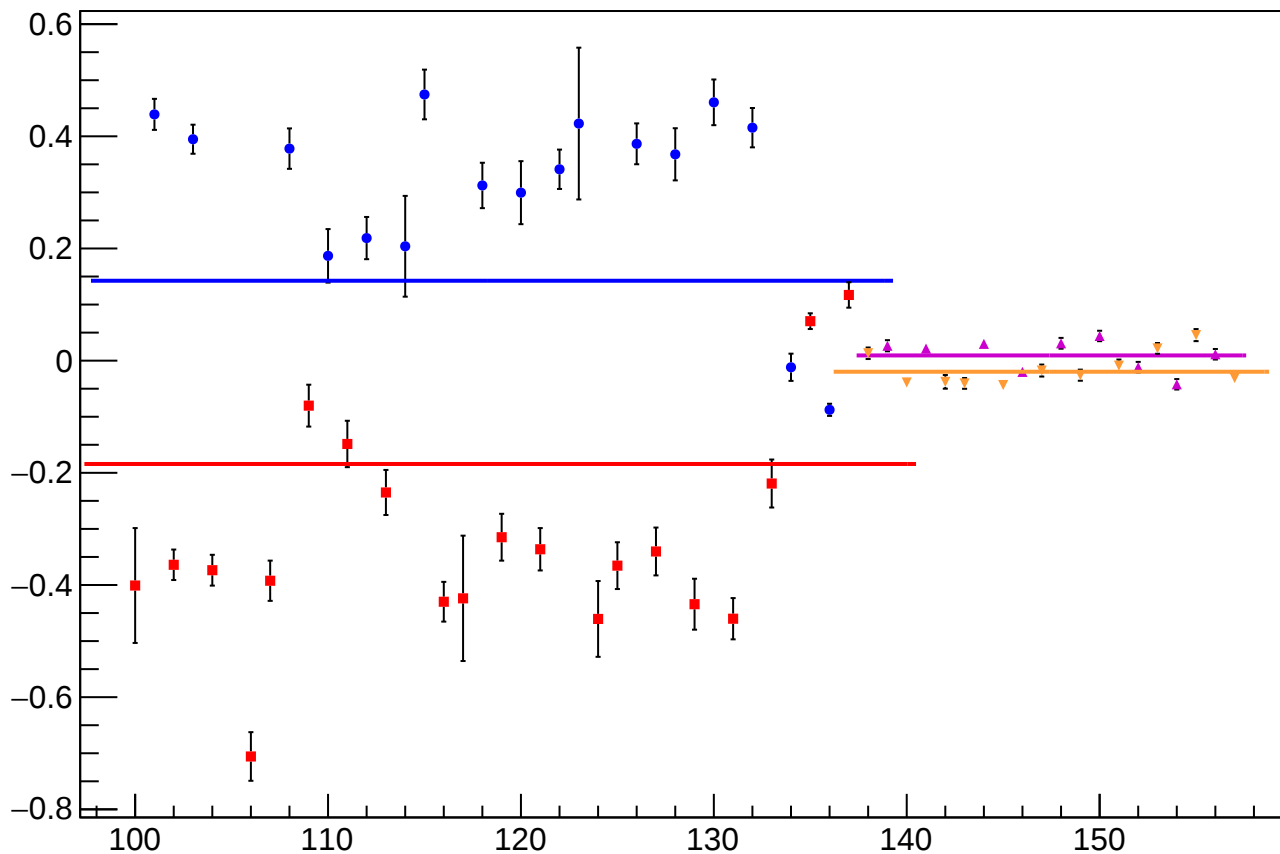
Left In: 7.484 ± 0.059 χ^2/NDF : 176.5/8

-6.580 ± 0.053 χ^2/NDF : 2286.8/27

0.104 ± 0.038 χ^2/NDF : 36194.4/56

7.011 ± 0.054 χ^2/NDF : 1927.0/28

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.142+/-0.007 χ^2/NDF : 1058.8/16

Left Out: -0.020+/-0.003 χ^2/NDF : 95.2/10

Right Out: -0.184+/-0.007 χ^2/NDF : 1005.5/19

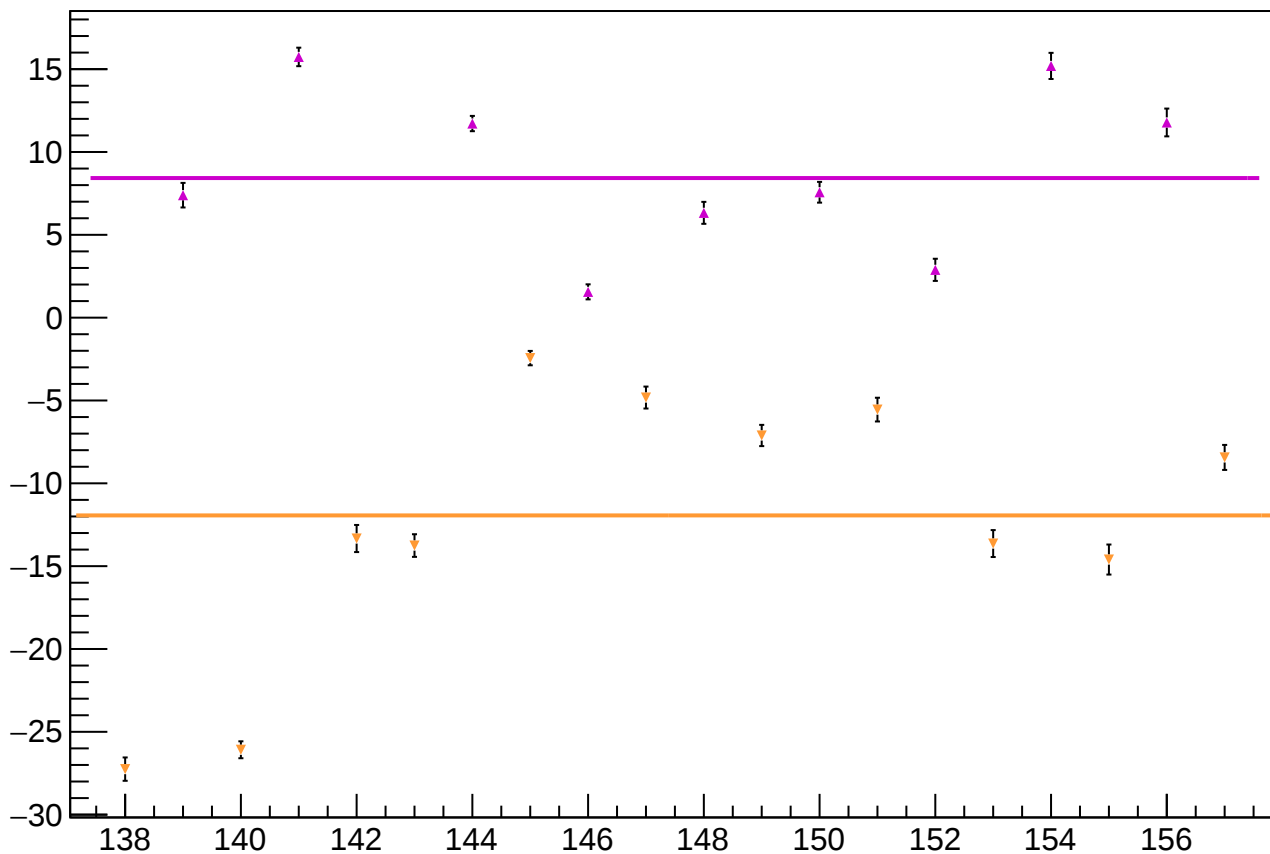
Left In: 0.009+/-0.003 χ^2/NDF : 84.1/8

0.002+/-0.003 χ^2/NDF : 1608.9/27

-0.007+/-0.002 χ^2/NDF : 3317.6/56

-0.017+/-0.003 χ^2/NDF : 1683.5/28

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: -11.937+/-0.196 χ^2/NDF : 2014.4/10

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

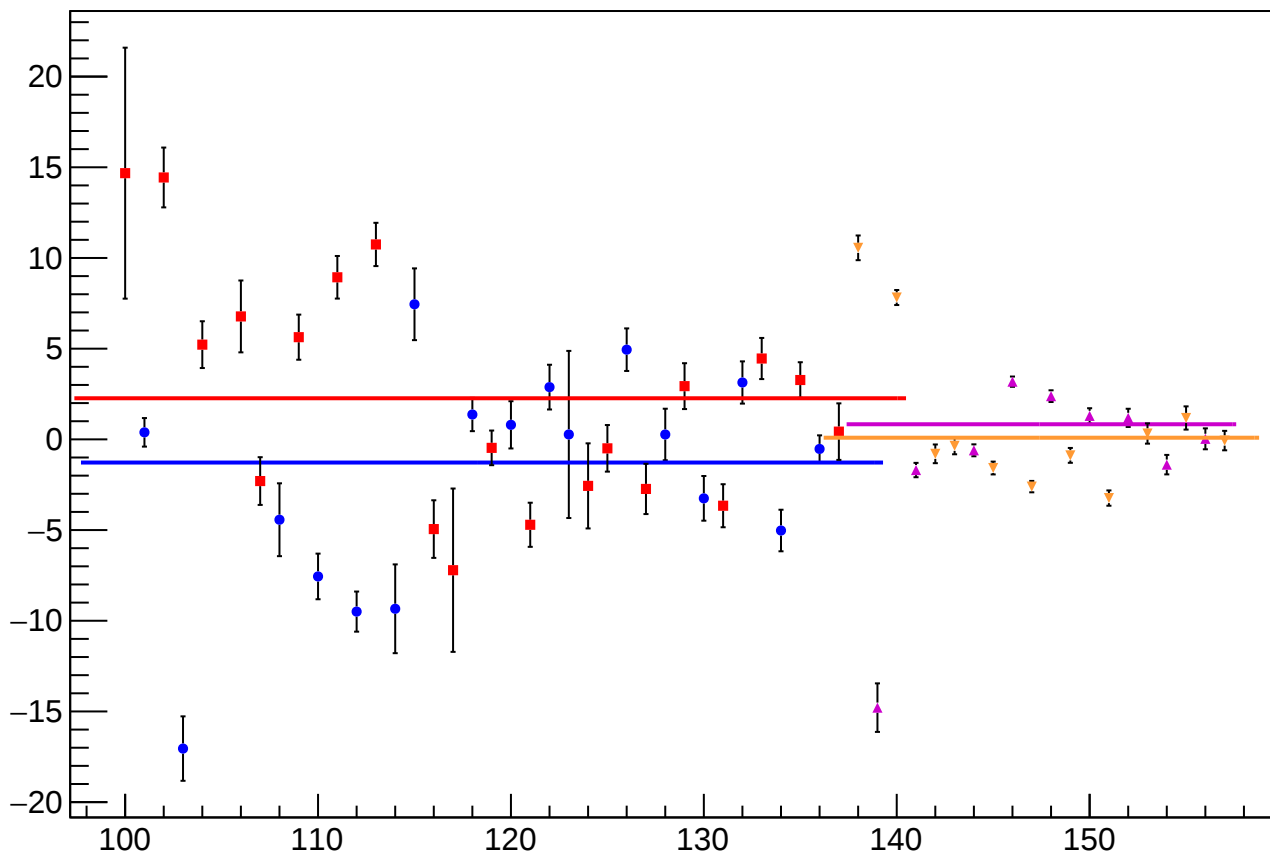
Left In: 8.426+/-0.201 χ^2/NDF : 622.7/8

-11.937+/-0.196 χ^2/NDF : 2014.4/10

-2.015+/-0.141 χ^2/NDF : 7877.2/19

8.426+/-0.201 χ^2/NDF : 622.7/8

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.278 ± 0.292 $\chi^2/\text{NDF}: 276.5/16$

Left Out: 0.091 ± 0.135 $\chi^2/\text{NDF}: 755.2/10$

Right Out: 2.266 ± 0.302 $\chi^2/\text{NDF}: 289.8/19$

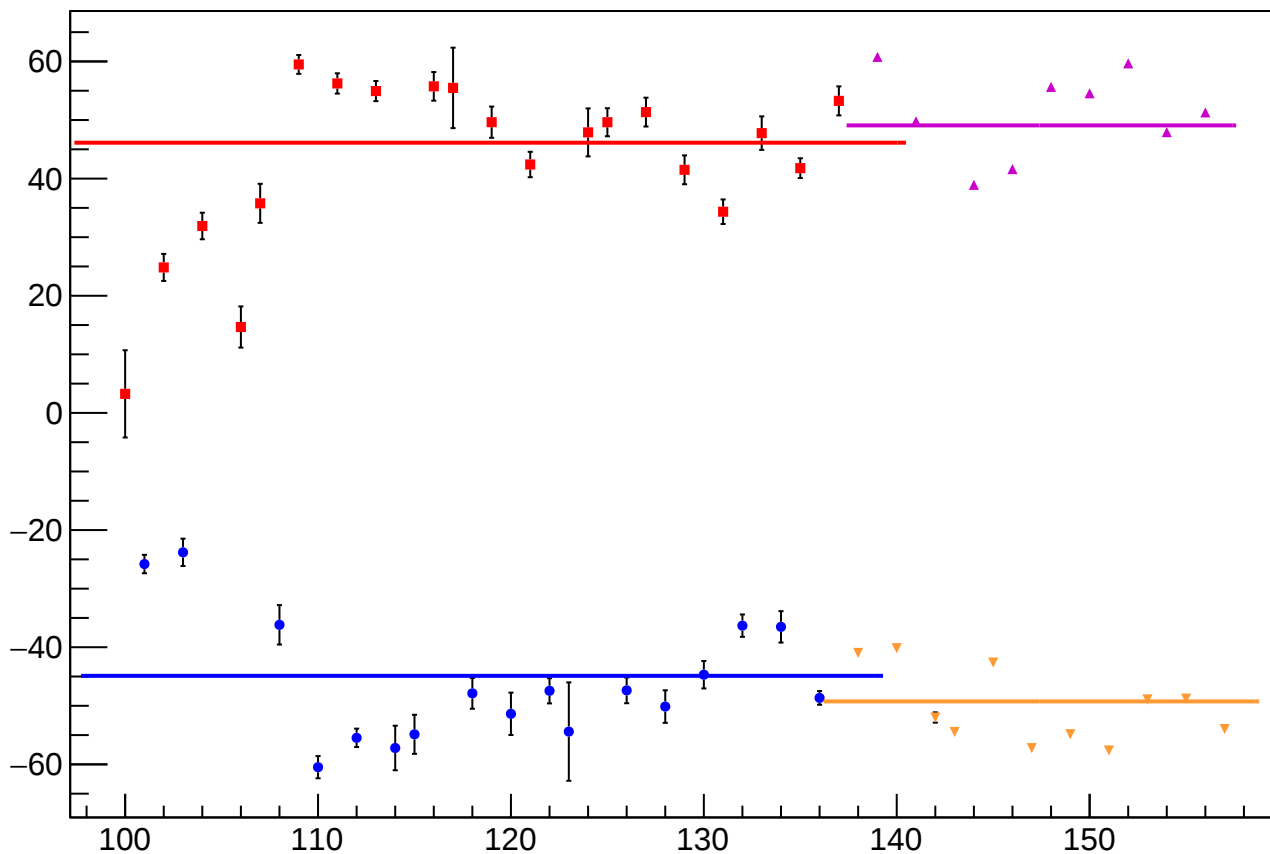
Left In: 0.833 ± 0.136 $\chi^2/\text{NDF}: 308.8/8$

-0.149 ± 0.122 $\chi^2/\text{NDF}: 1049.8/27$

0.456 ± 0.087 $\chi^2/\text{NDF}: 1716.5/56$

1.074 ± 0.124 $\chi^2/\text{NDF}: 617.3/28$

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -44.883±/0.524 χ^2/NDF : 421.0/16

Left Out: -49.250±/0.197 χ^2/NDF :1114.4/10

Right Out: 46.130±/0.527 χ^2/NDF : 456.1/19

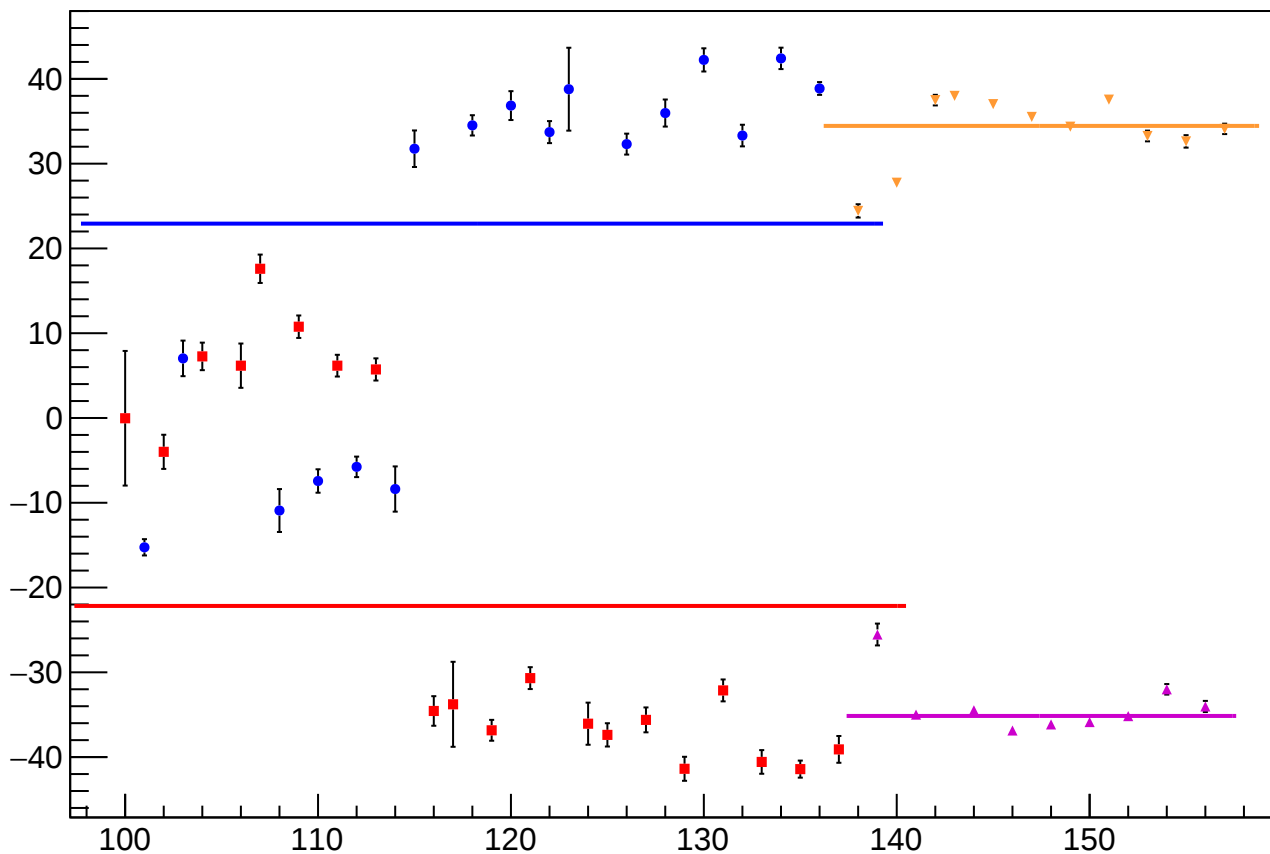
Left In: 49.084±/0.199 χ^2/NDF :1410.5/8

-48.709±/0.184 χ^2/NDF : 1596.1/27

-0.505±/0.131 χ^2/NDF : 141514.3/56

48.715±/0.186 χ^2/NDF : 1894.1/28

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: 34.454+/-0.164 χ^2/NDF : 492.7/10

Right Out: -22.170+/-0.339 χ^2/NDF : 4038.8/19

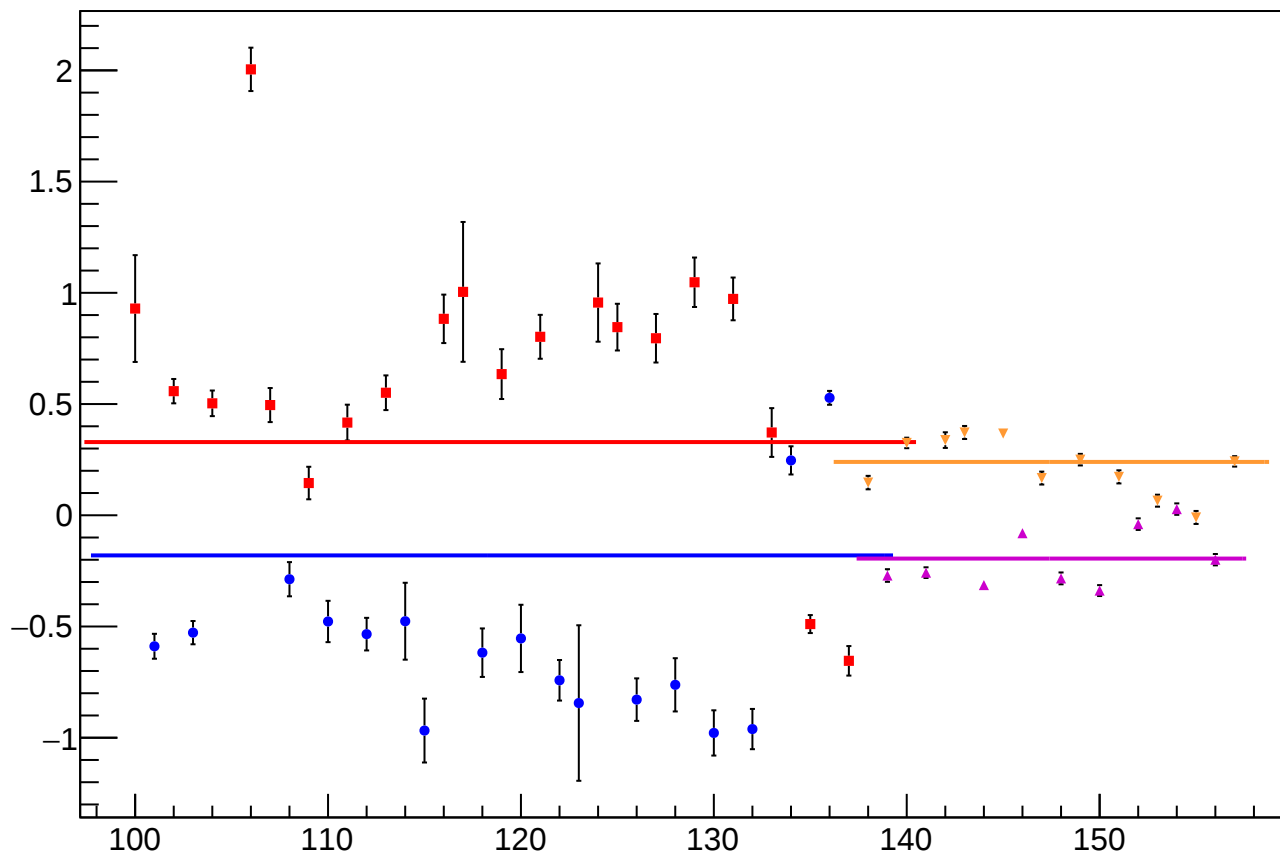
Left In: -35.146+/-0.166 χ^2/NDF : 117.5/8

32.144+/-0.147 χ^2/NDF : 5810.3/27

0.244+/-0.105 χ^2/NDF : 106981.6/56

-32.639+/-0.149 χ^2/NDF : 5337.0/28

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.180 ± 0.018 χ^2/NDF : 995.7/16

Left Out: 0.240 ± 0.008 χ^2/NDF : 226.6/10

Right Out: 0.329 ± 0.018 χ^2/NDF : 1180.2/19

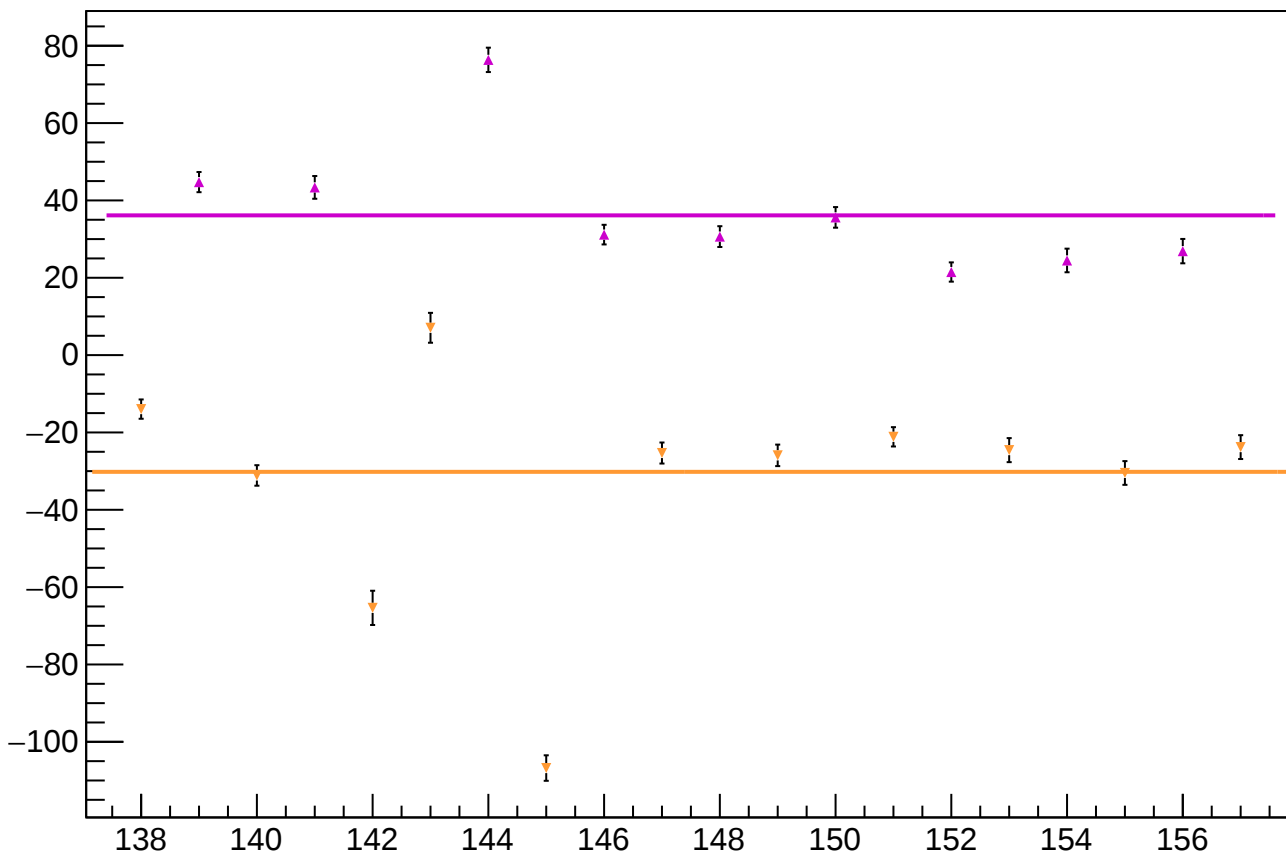
Left In: -0.195 ± 0.008 χ^2/NDF : 231.9/8

0.171 ± 0.007 χ^2/NDF : 1689.7/27

0.036 ± 0.005 χ^2/NDF : 4516.5/56

-0.107 ± 0.007 χ^2/NDF : 2104.4/28

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -30.186+/-0.894 χ^2/NDF : 764.6/10

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

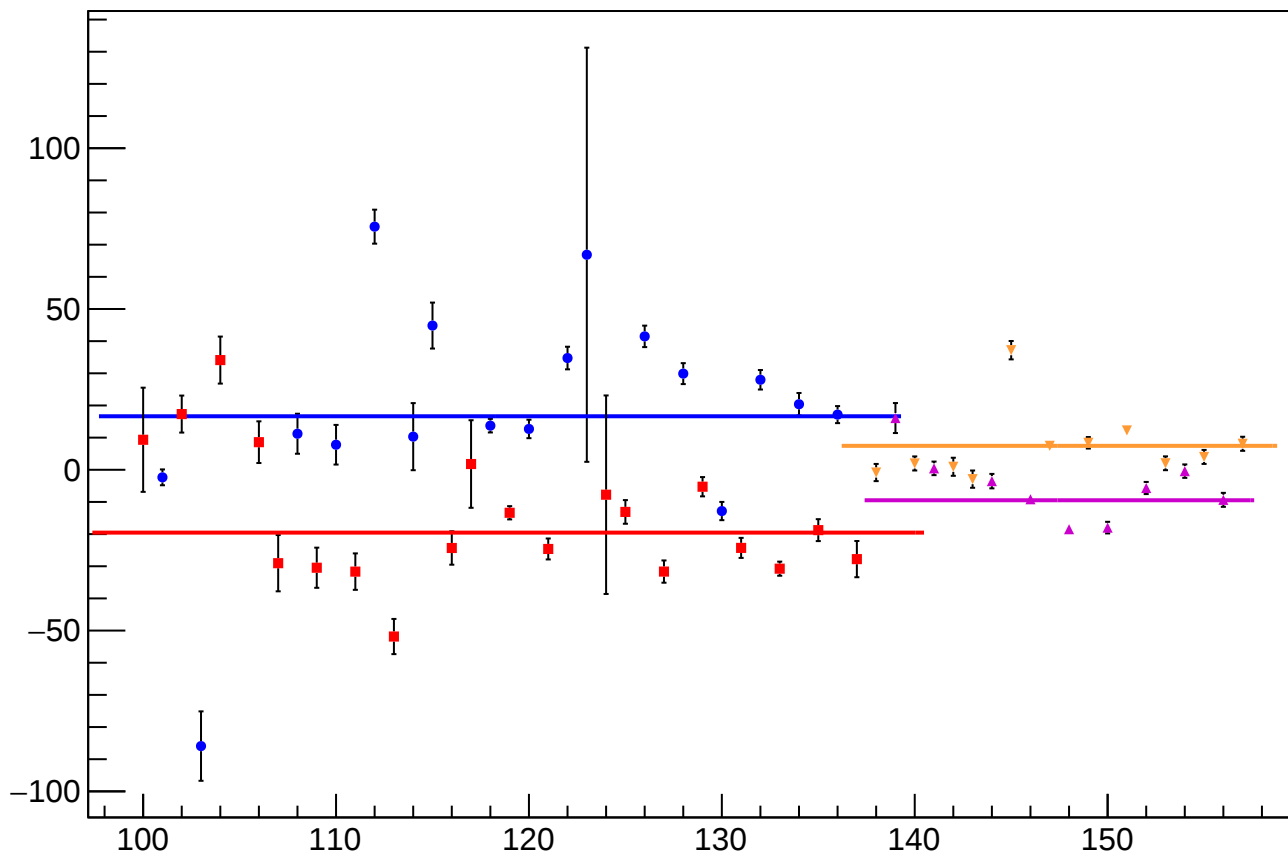
Left In: 36.136+/-0.926 χ^2/NDF : 245.5/8

-30.186+/-0.894 χ^2/NDF : 764.6/10

1.801+/-0.643 χ^2/NDF : 3666.4/19

36.136+/-0.926 χ^2/NDF : 245.5/8

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.641 $\pm$ 0.859 χ^2/NDF : 518.9/16

Left Out: 7.446 $\pm$ 0.599 χ^2/NDF : 165.1/10

Right Out: -19.540 $\pm$ 0.894 χ^2/NDF : 244.1/19

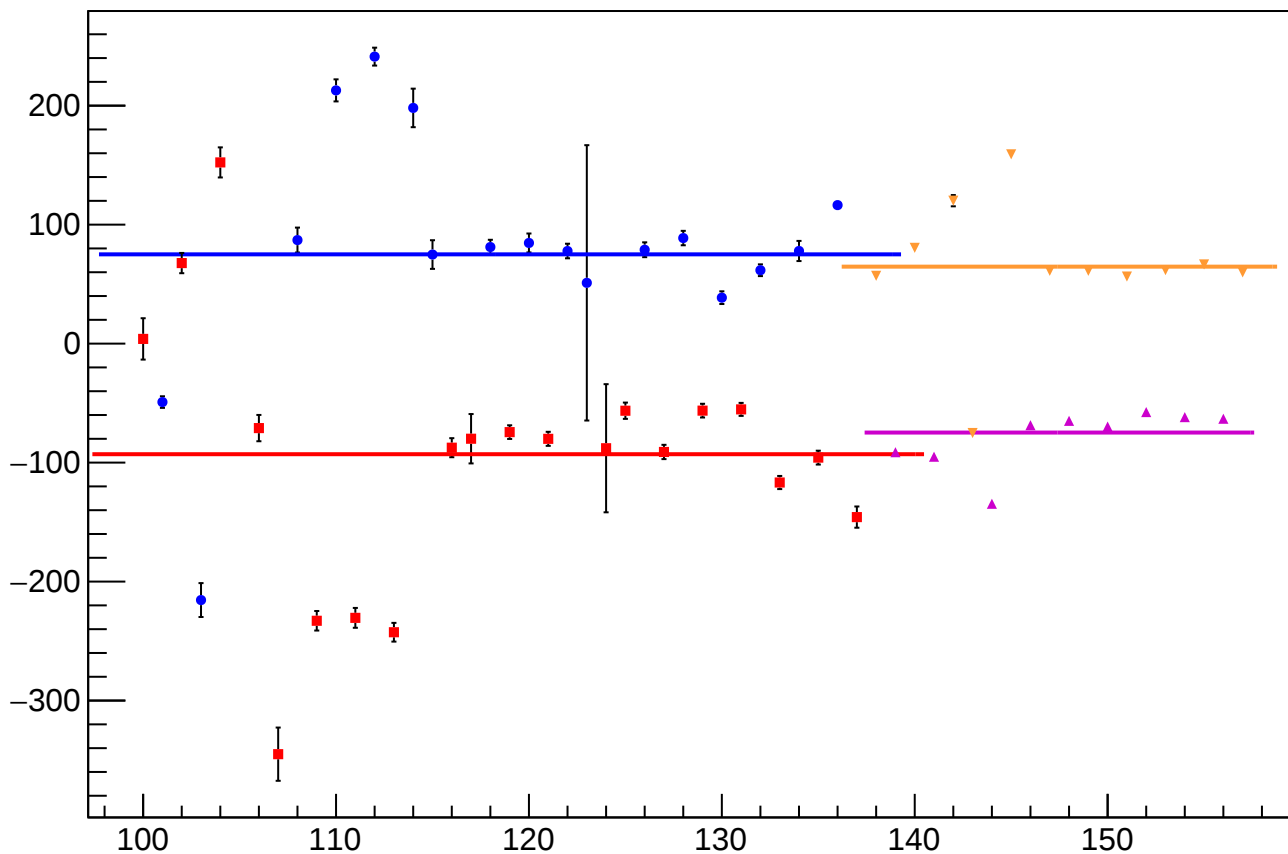
Left In: -9.475 $\pm$ 0.628 χ^2/NDF : 151.8/8

10.457 $\pm$ 0.491 χ^2/NDF : 761.2/27

-0.653 $\pm$ 0.355 χ^2/NDF : 2311.7/56

-12.797 $\pm$ 0.514 χ^2/NDF : 480.7/28

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 75.032 $\pm$ 1.647 χ^2 /NDF: 1999.7/16

Left Out: 64.696 $\pm$ 0.879 χ^2 /NDF: 2105.2/10

Right Out: -92.940 $\pm$ 1.706 χ^2 /NDF: 2004.0/19

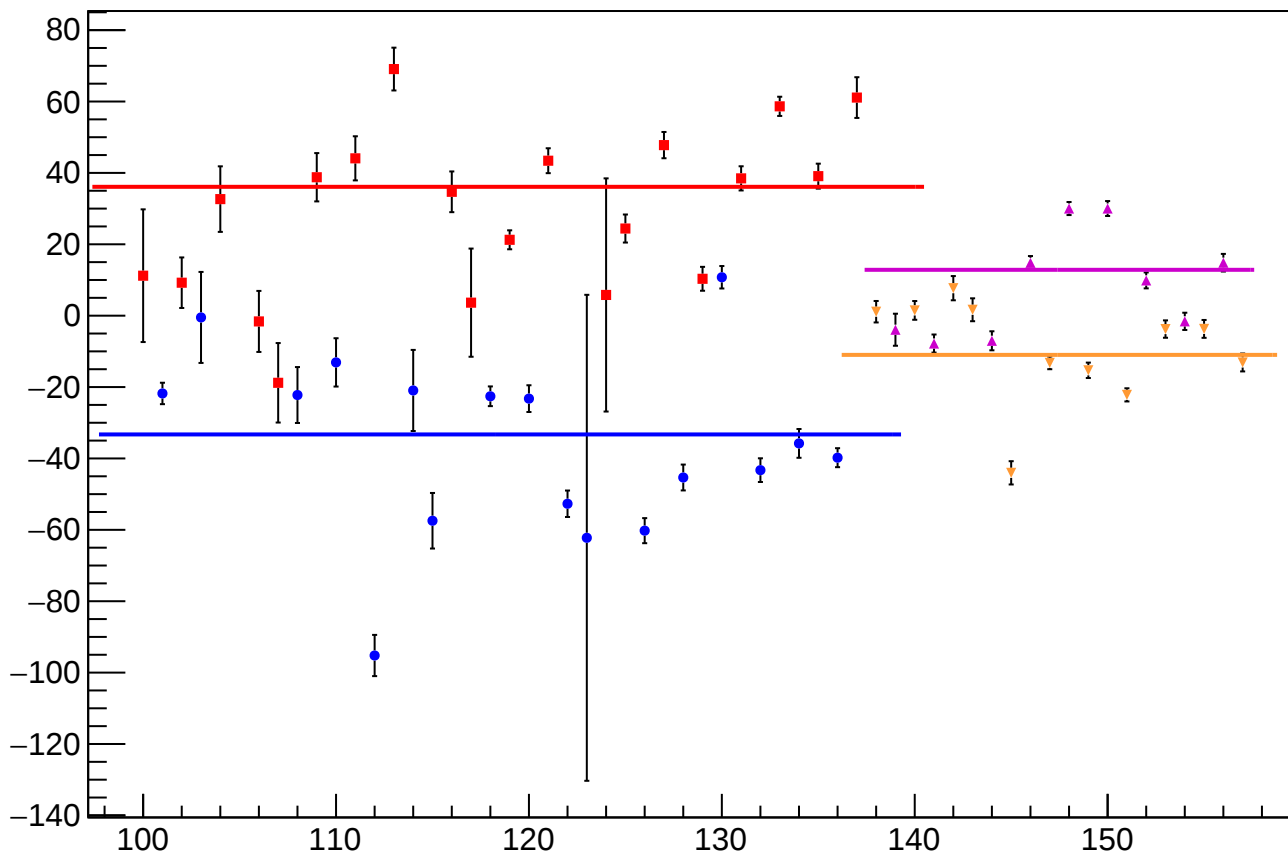
Left In: -74.748 $\pm$ 0.905 χ^2 /NDF: 506.1/8

66.988 $\pm$ 0.775 χ^2 /NDF: 4135.6/27

-3.641 $\pm$ 0.557 χ^2 /NDF: 23852.6/56

-78.746 $\pm$ 0.800 χ^2 /NDF: 2598.9/28

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.272 ± 0.982 $\chi^2/\text{NDF}: 489.4/16$

Left Out: -10.983 ± 0.736 $\chi^2/\text{NDF}: 247.8/10$

Right Out: 36.103 ± 1.022 $\chi^2/\text{NDF}: 302.3/19$

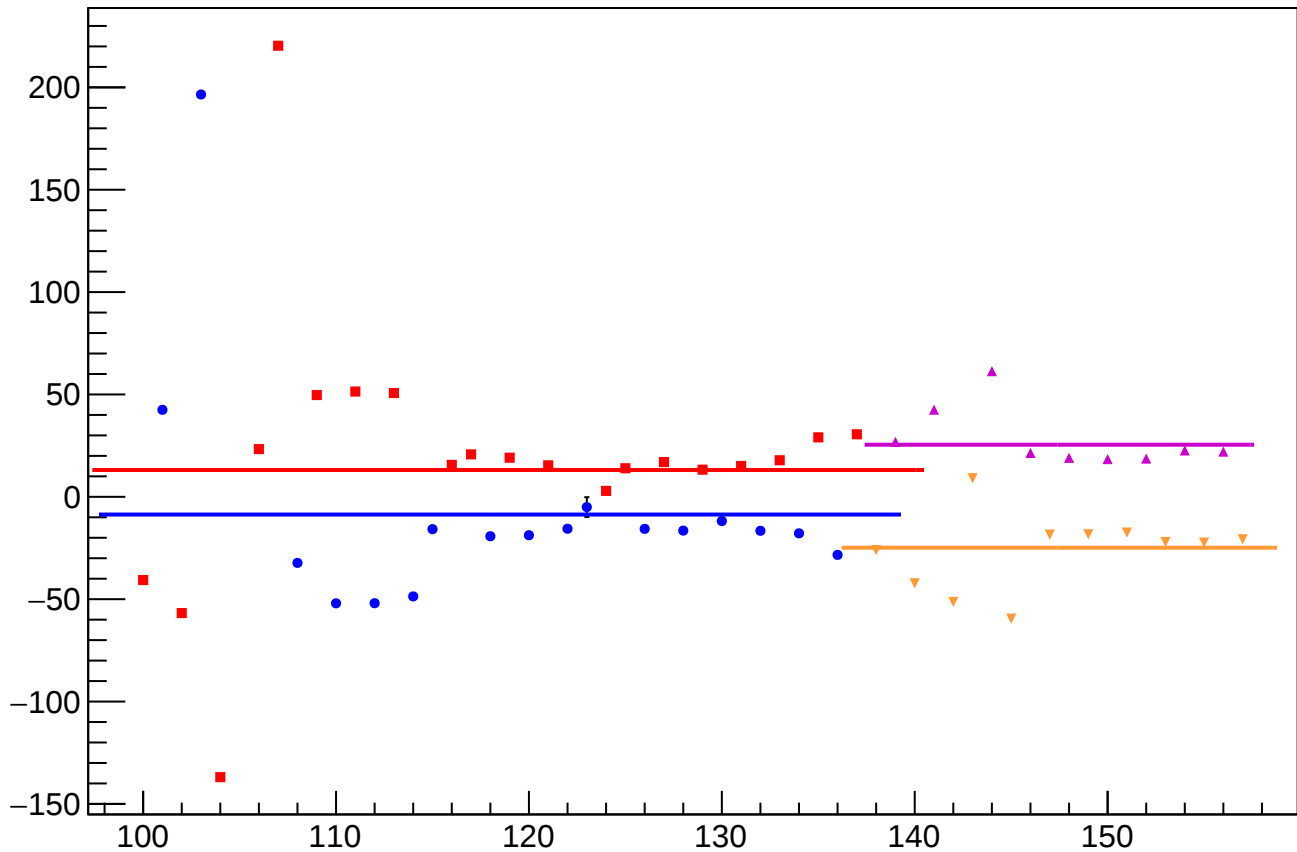
Left In: 12.850 ± 0.770 $\chi^2/\text{NDF}: 331.2/8$

-19.001 ± 0.589 $\chi^2/\text{NDF}: 1067.0/27$

0.273 ± 0.425 $\chi^2/\text{NDF}: 4268.5/56$

21.267 ± 0.615 $\chi^2/\text{NDF}: 964.0/28$

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: -24.863 ± 0.035 $\chi^2/\text{NDF}: 162143.1/10$

Right Out: 13.109 ± 0.062 $\chi^2/\text{NDF}: 558383.6/19$

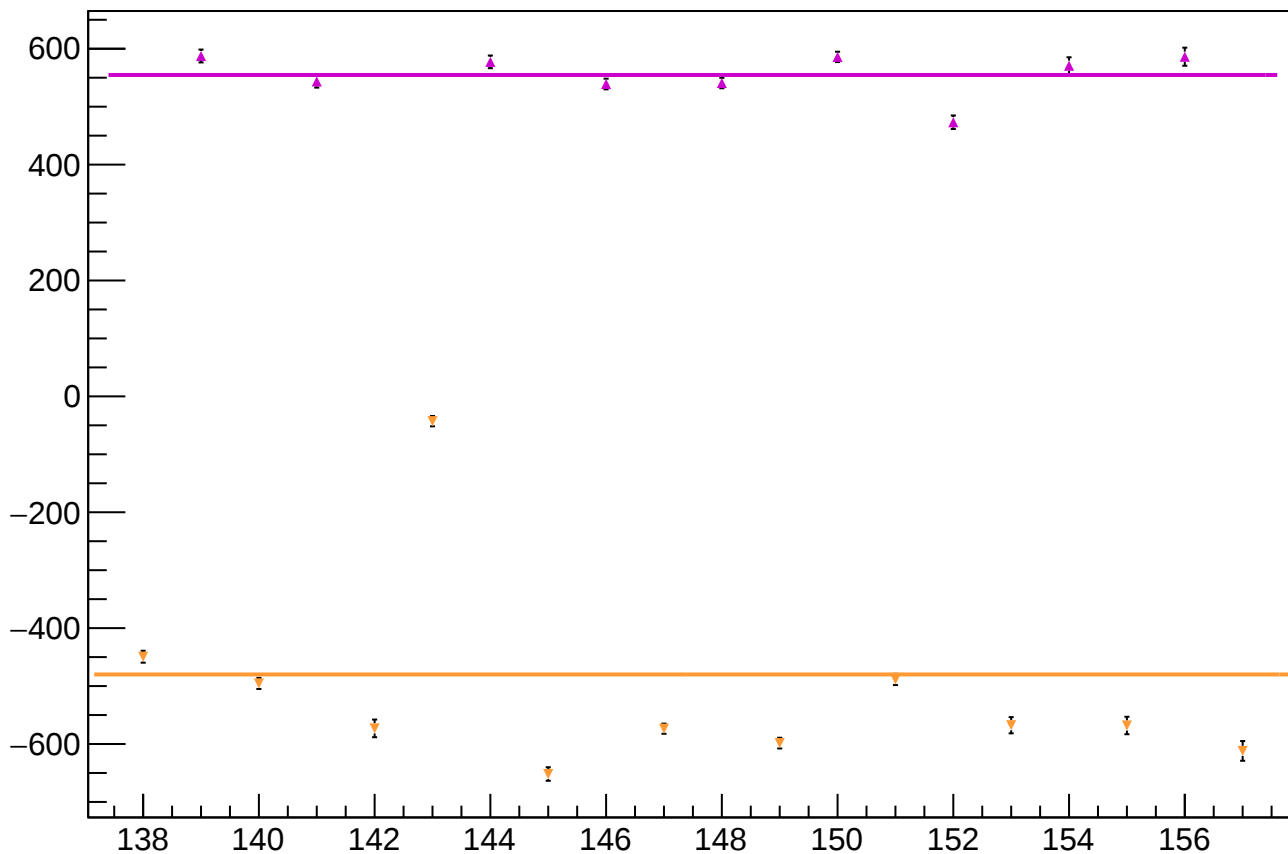
Left In: 25.445 ± 0.036 $\chi^2/\text{NDF}: 93931.5/8$

-20.682 ± 0.030 $\chi^2/\text{NDF}: 793708.6/27$

0.183 ± 0.022 $\chi^2/\text{NDF}: 2472880.6/56$

22.346 ± 0.031 $\chi^2/\text{NDF}: 682248.5/28$

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -479.950+/-3.282 χ^2/NDF :3089.9/10

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

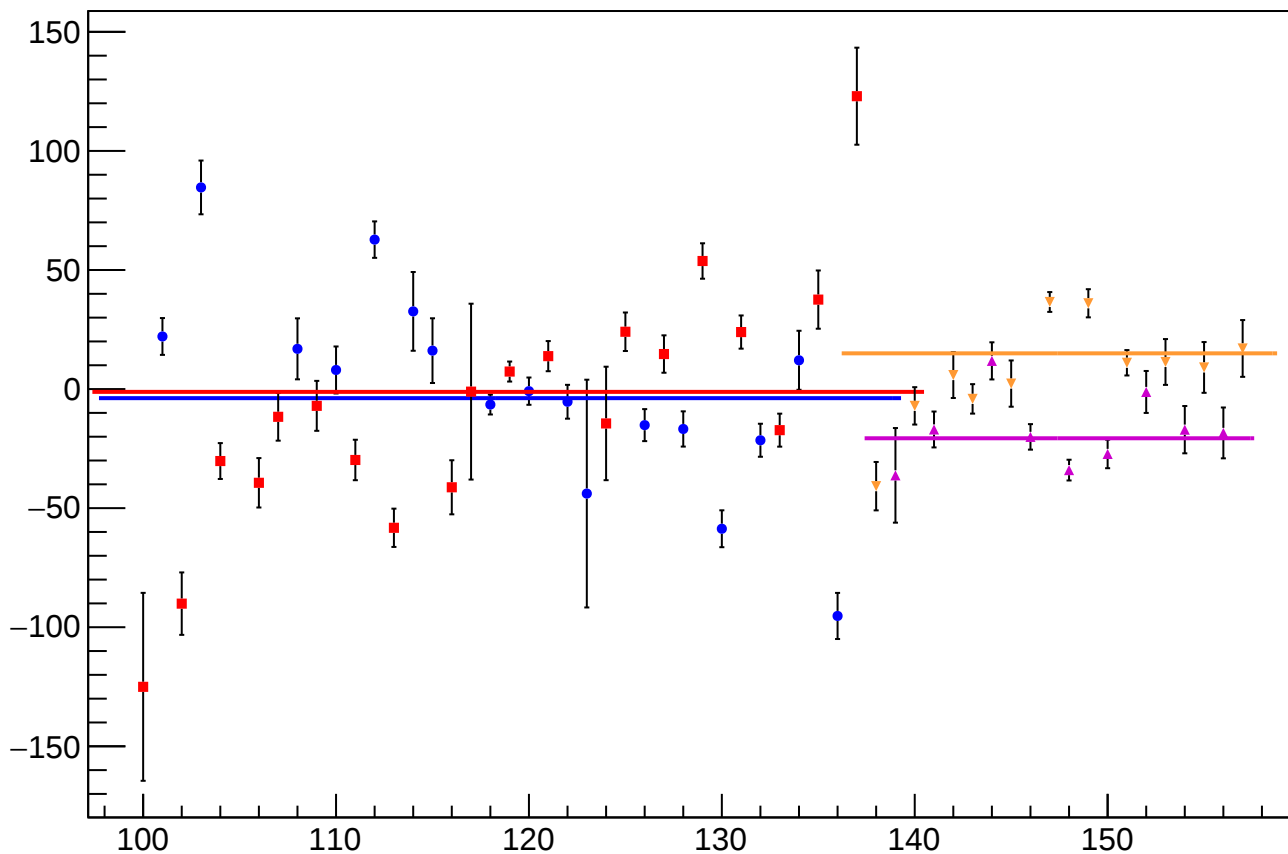
Left In: 554.721+/-3.574 χ^2/NDF :85.6/8

-479.950+/-3.282 χ^2/NDF : 3089.9/10

-6.610+/-2.418 χ^2/NDF : 48631.9/19

554.721+/-3.574 χ^2/NDF : 85.6/8

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.815 ± 1.923 χ^2/NDF : 314.3/16

Left Out: 15.003 ± 2.125 χ^2/NDF : 90.7/10

Right Out: -1.175 ± 1.911 χ^2/NDF : 303.9/19

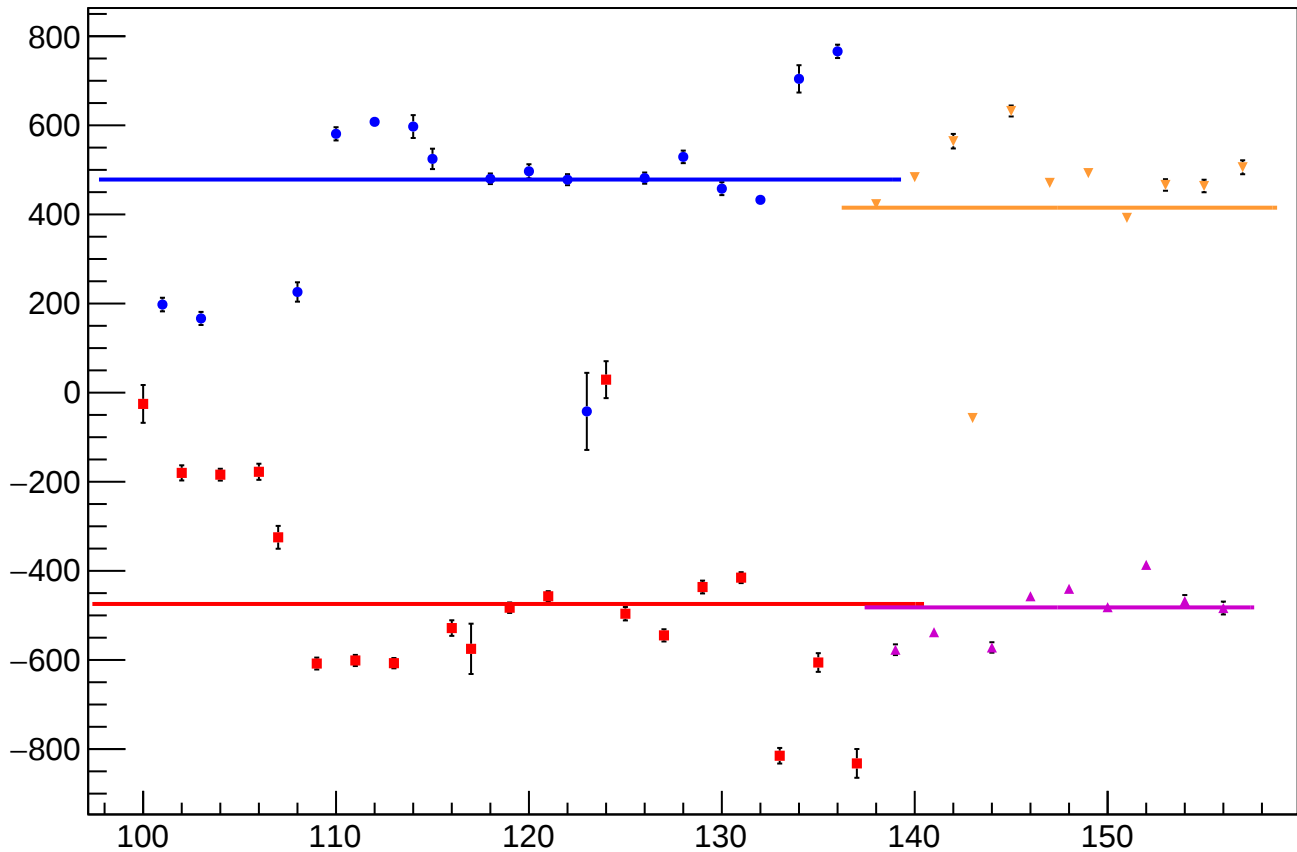
Left In: -20.659 ± 2.333 χ^2/NDF : 33.9/8

4.659 ± 1.426 χ^2/NDF : 448.1/27

-1.923 ± 1.026 χ^2/NDF : 871.9/56

-9.002 ± 1.478 χ^2/NDF : 379.5/28

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 478.334 ± 3.662 $\chi^2/\text{NDF}: 1628.8/16$

Left Out: 415.146 ± 3.259 $\chi^2/\text{NDF}: 3103.3/10$

Right Out: -474.296 ± 3.524 $\chi^2/\text{NDF}: 2288.2/19$

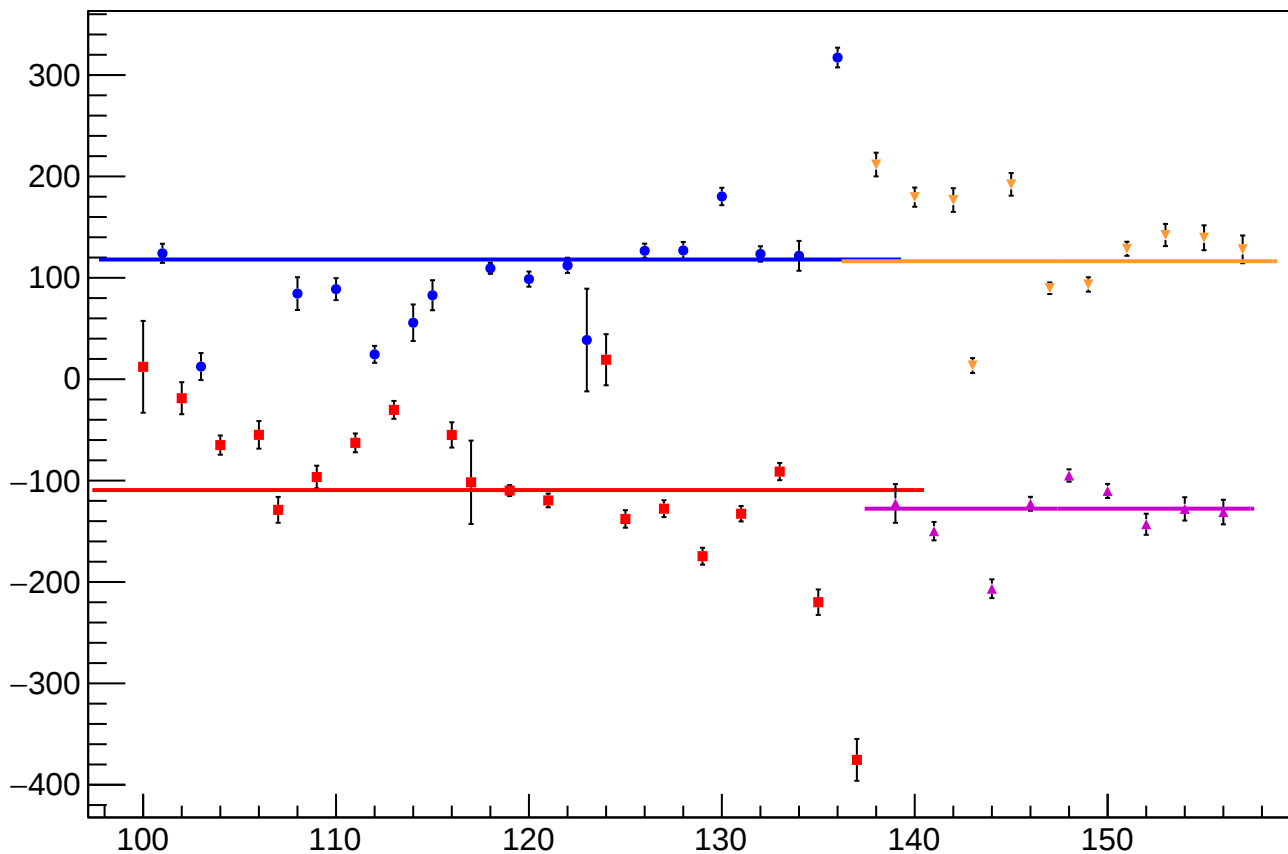
Left In: -482.020 ± 3.498 $\chi^2/\text{NDF}: 252.0/8$

443.077 ± 2.435 $\chi^2/\text{NDF}: 4898.3/27$

-8.553 ± 1.738 $\chi^2/\text{NDF}: 77628.1/56$

-478.186 ± 2.483 $\chi^2/\text{NDF}: 2542.6/28$

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 118.055 $\pm$ 2.225 χ^2/NDF : 705.3/16

Left Out: 116.376 $\pm$ 2.643 χ^2/NDF : 422.2/10

Right Out: -109.345 $\pm$ 2.202 χ^2/NDF : 569.8/19

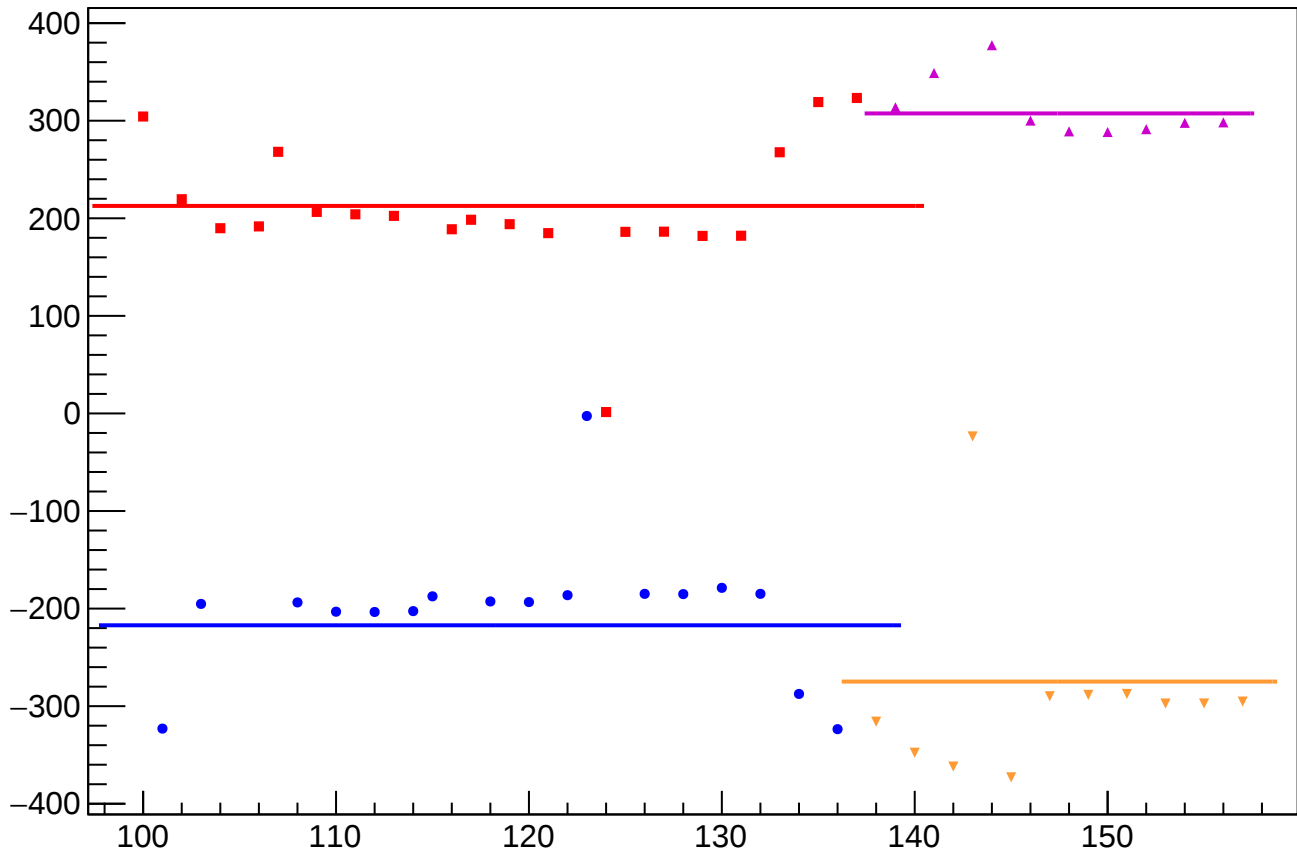
Left In: -127.675 $\pm$ 2.899 χ^2/NDF : 116.8/8

117.359 $\pm$ 1.702 χ^2/NDF : 1127.7/27

4.095 $\pm$ 1.221 χ^2/NDF : 10961.5/56

-116.050 $\pm$ 1.753 χ^2/NDF : 712.0/28

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -217.120+/-0.137 χ^2/NDF : 146559.7/16

Left Out: -274.806+/-0.134 χ^2/NDF : 540288.0/10

Right Out: 212.679+/-0.130 χ^2/NDF : 115596.4/19

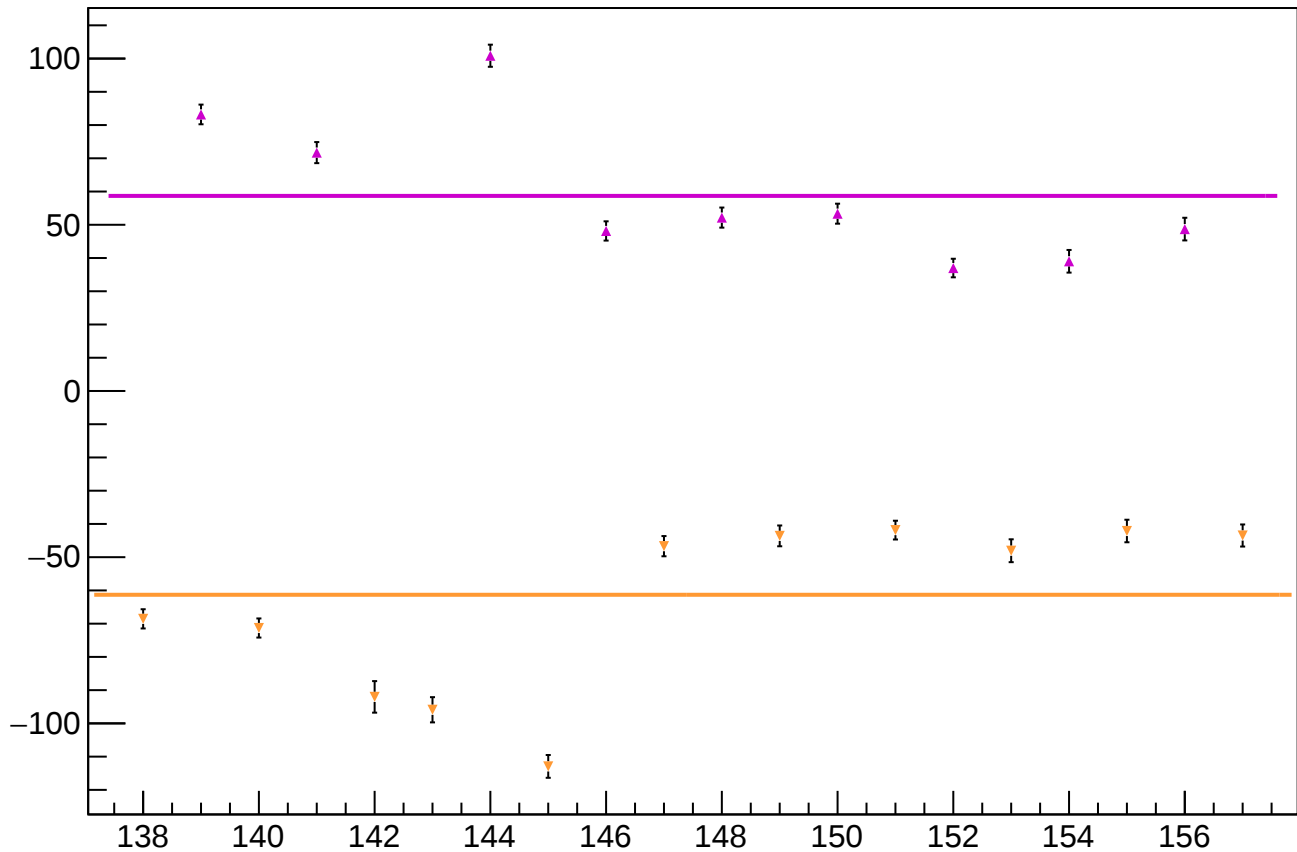
Left In: 307.472+/-0.142 χ^2/NDF : 35027.1/8

-246.586+/-0.096 χ^2/NDF : 777974.1/27

3.903+/-0.068 χ^2/NDF : 14966747.9/56

255.975+/-0.096 χ^2/NDF : 393424.7/28

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -61.308+/-0.982 χ^2/NDF : 548.7/10

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

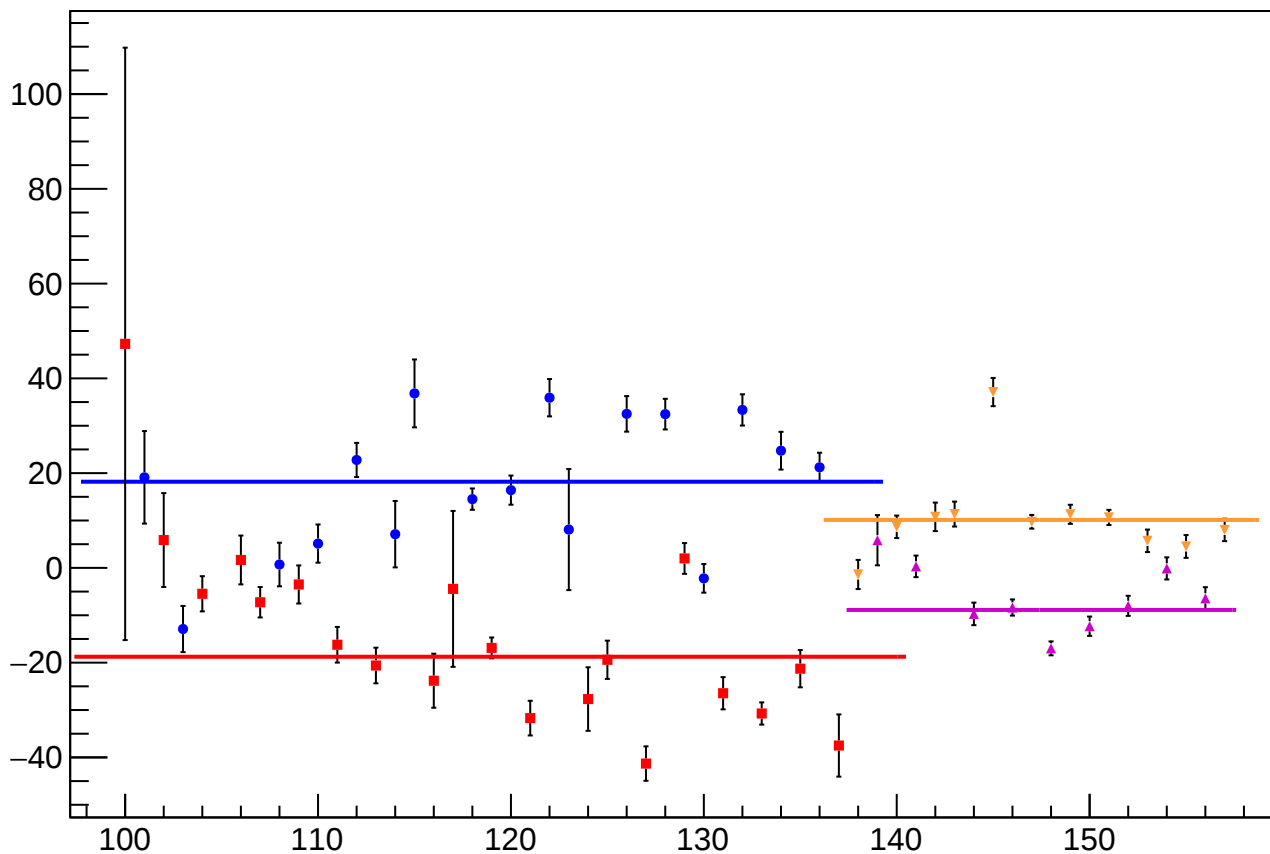
Left In: 58.689+/-1.029 χ^2/NDF : 369.5/8

-61.308+/-0.982 χ^2/NDF : 548.7/10

-4.144+/-0.710 χ^2/NDF : 8035.8/19

58.689+/-1.029 χ^2/NDF : 369.5/8

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.188 ± 0.917 χ^2/NDF : 204.9/16

Left Out: 10.122 ± 0.660 χ^2/NDF : 106.7/10

Right Out: -18.752 ± 0.862 χ^2/NDF : 199.5/19

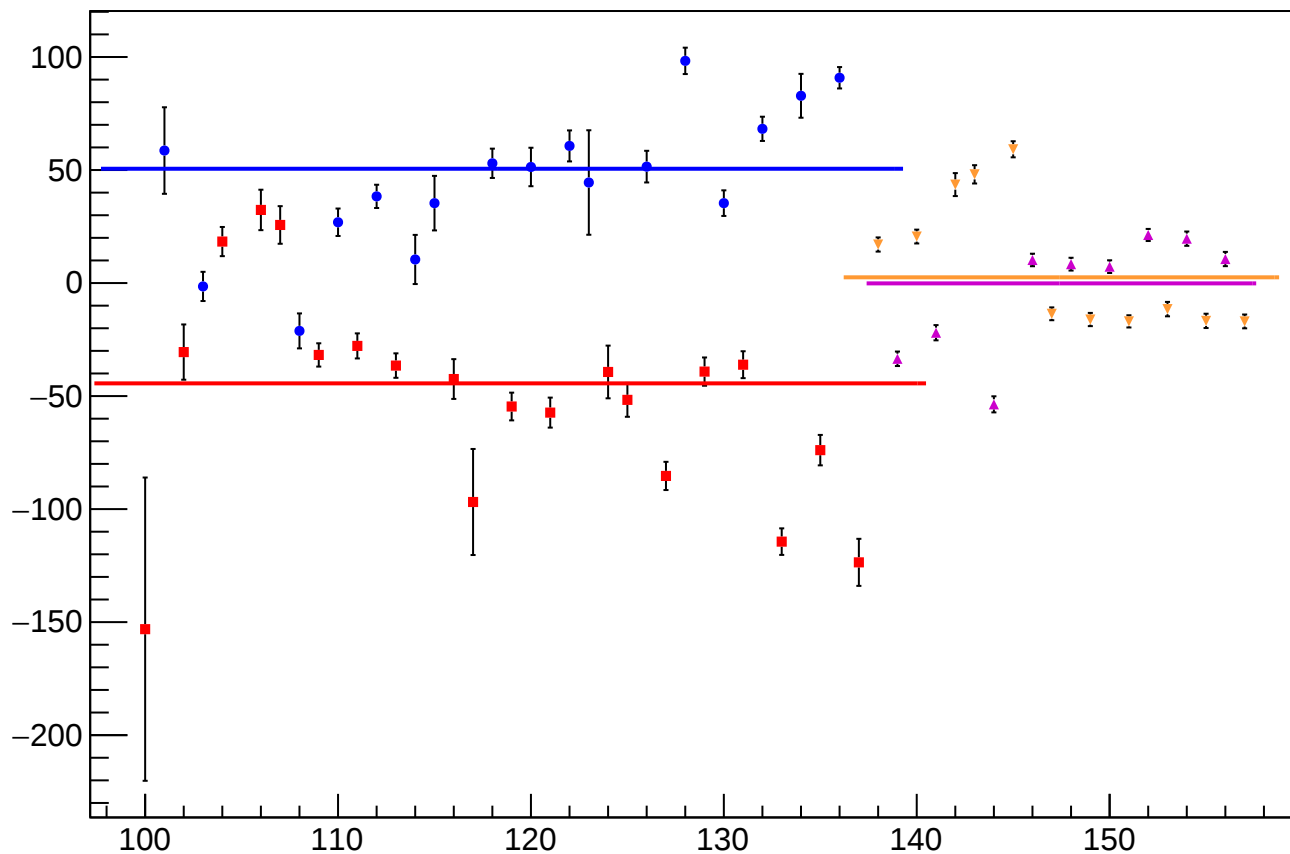
Left In: -8.877 ± 0.700 χ^2/NDF : 73.0/8

12.875 ± 0.536 χ^2/NDF : 362.6/27

0.211 ± 0.381 χ^2/NDF : 1846.7/56

-12.803 ± 0.543 χ^2/NDF : 351.7/28

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 50.565 ± 1.678 χ^2/NDF : 357.9/16

Left Out: 2.533 ± 0.967 χ^2/NDF : 723.2/10

Right Out: -44.377 ± 1.599 χ^2/NDF : 537.6/19

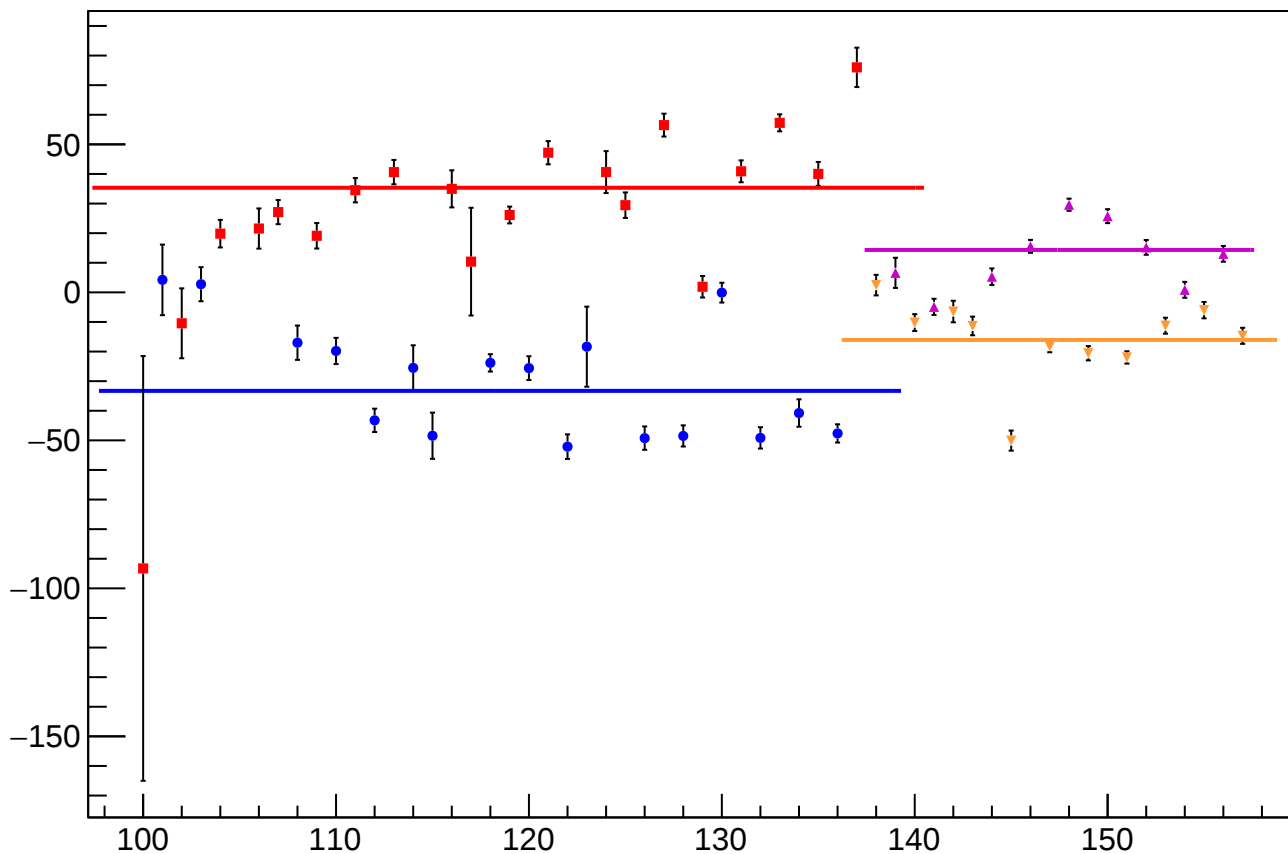
Left In: -0.146 ± 1.007 χ^2/NDF : 521.0/8

14.510 ± 0.838 χ^2/NDF : 1696.5/27

1.132 ± 0.597 χ^2/NDF : 3822.0/56

-12.716 ± 0.852 χ^2/NDF : 1606.5/28

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -16.066 ± 0.810 χ^2/NDF : 171.5/10

Right Out: 35.343 ± 0.990 χ^2/NDF : 291.6/19

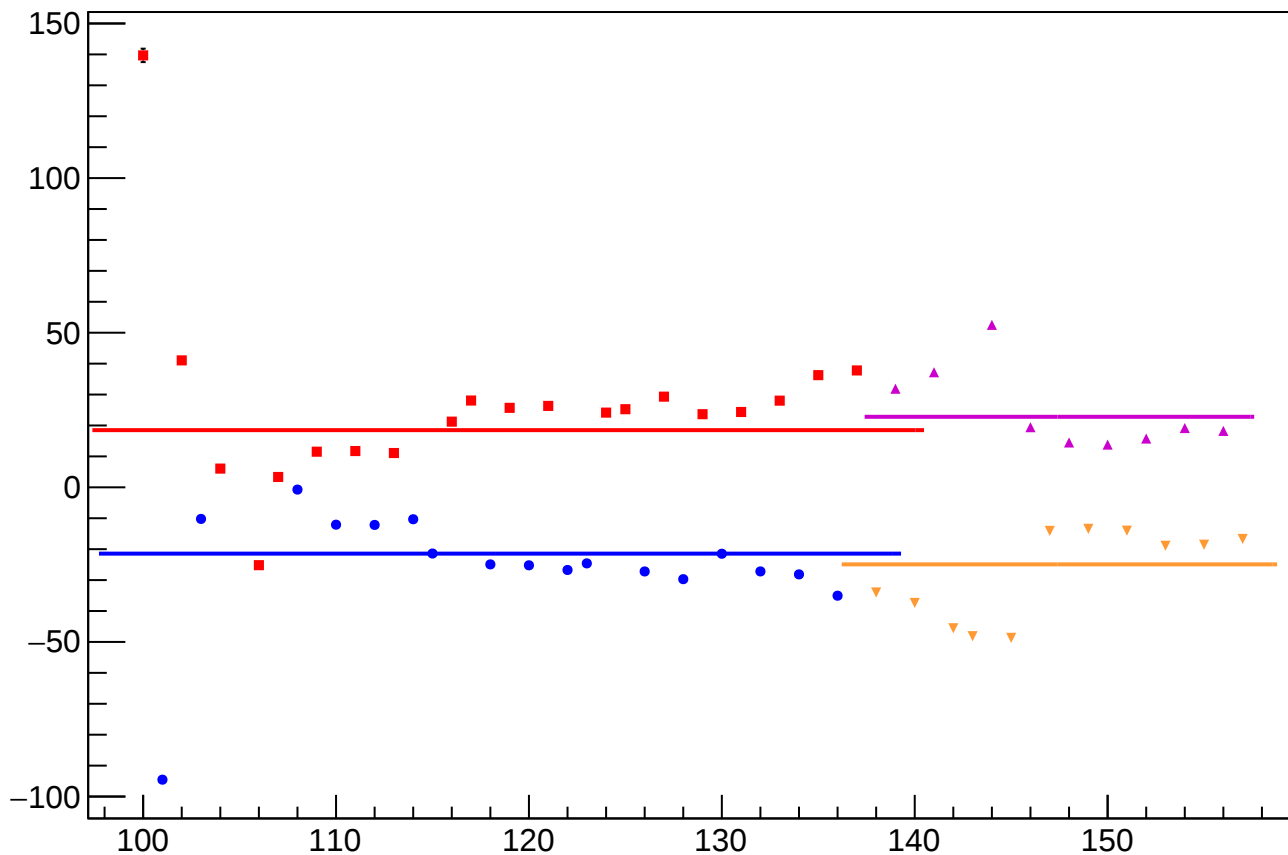
Left In: 14.330 ± 0.856 χ^2/NDF : 166.7/8

-22.535 ± 0.640 χ^2/NDF : 631.5/27

0.112 ± 0.455 χ^2/NDF : 3885.9/56

23.323 ± 0.648 χ^2/NDF : 716.1/28

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: -24.914 ± 0.038 $\chi^2/\text{NDF}: 109754.6/10$

Right Out: 18.490 ± 0.057 $\chi^2/\text{NDF}: 80549.5/19$

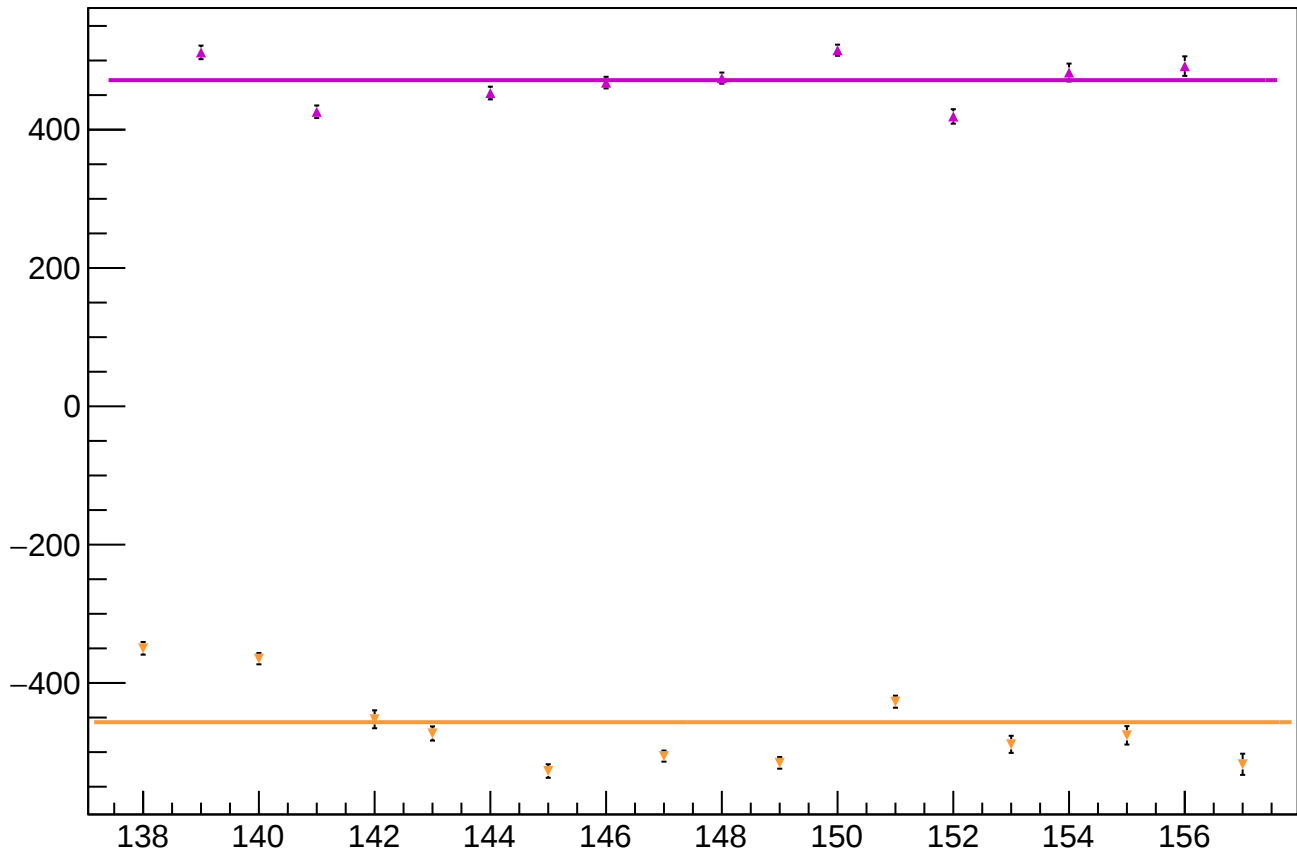
Left In: 22.809 ± 0.040 $\chi^2/\text{NDF}: 72604.5/8$

-23.884 ± 0.032 $\chi^2/\text{NDF}: 161165.8/27$

-1.636 ± 0.023 $\chi^2/\text{NDF}: 1296966.0/56$

21.408 ± 0.033 $\chi^2/\text{NDF}: 156989.9/28$

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -456.706+/-2.988 χ^2/NDF : 438.8/10

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

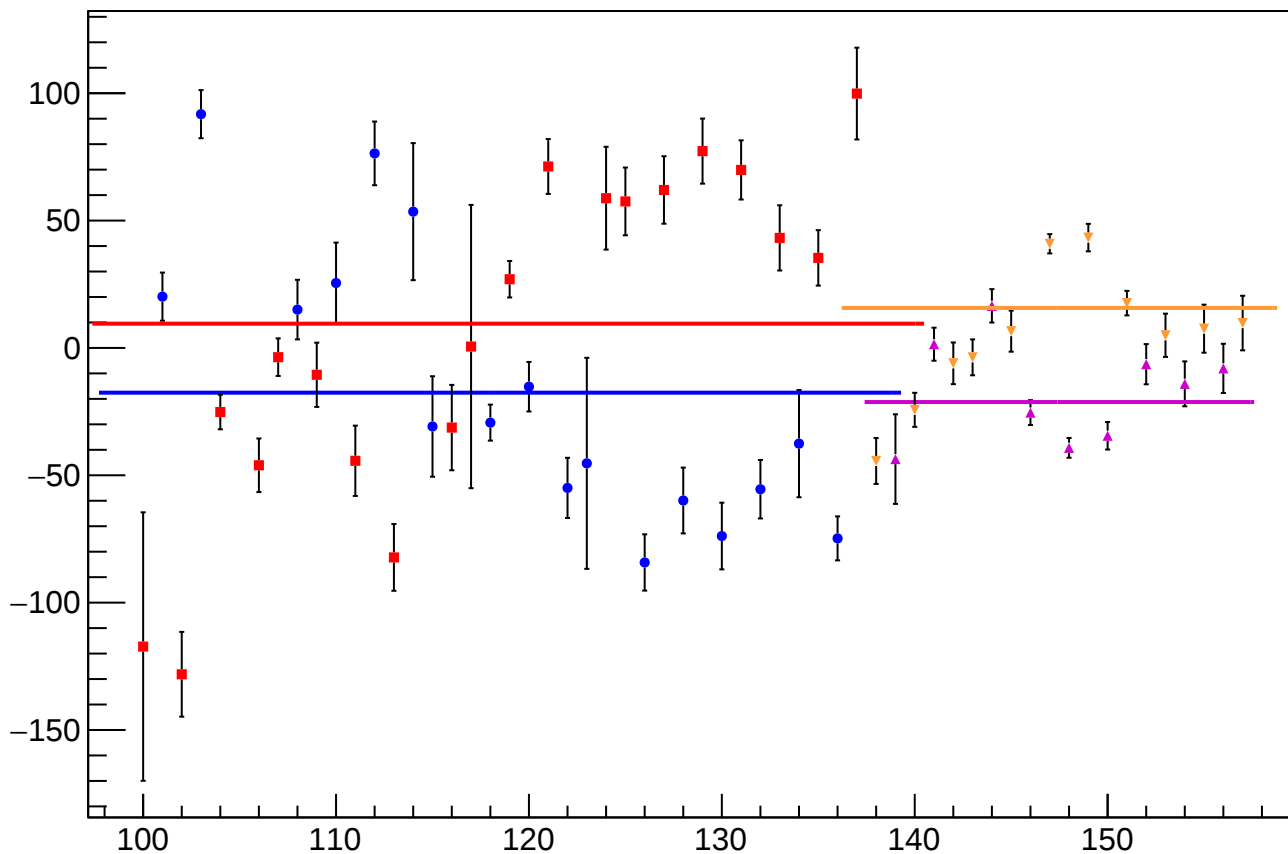
Left In: 471.622+/-3.169 χ^2/NDF : 103.3/8

-456.706+/-2.988 χ^2/NDF : 438.8/10

-19.848+/-2.174 χ^2/NDF : 45971.2/19

471.622+/-3.169 χ^2/NDF : 103.3/8

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -17.564 ± 2.820 χ^2/NDF : 363.7/16

Left Out: 15.716 ± 1.938 χ^2/NDF : 169.4/10

Right Out: 9.527 ± 2.606 χ^2/NDF : 370.3/19

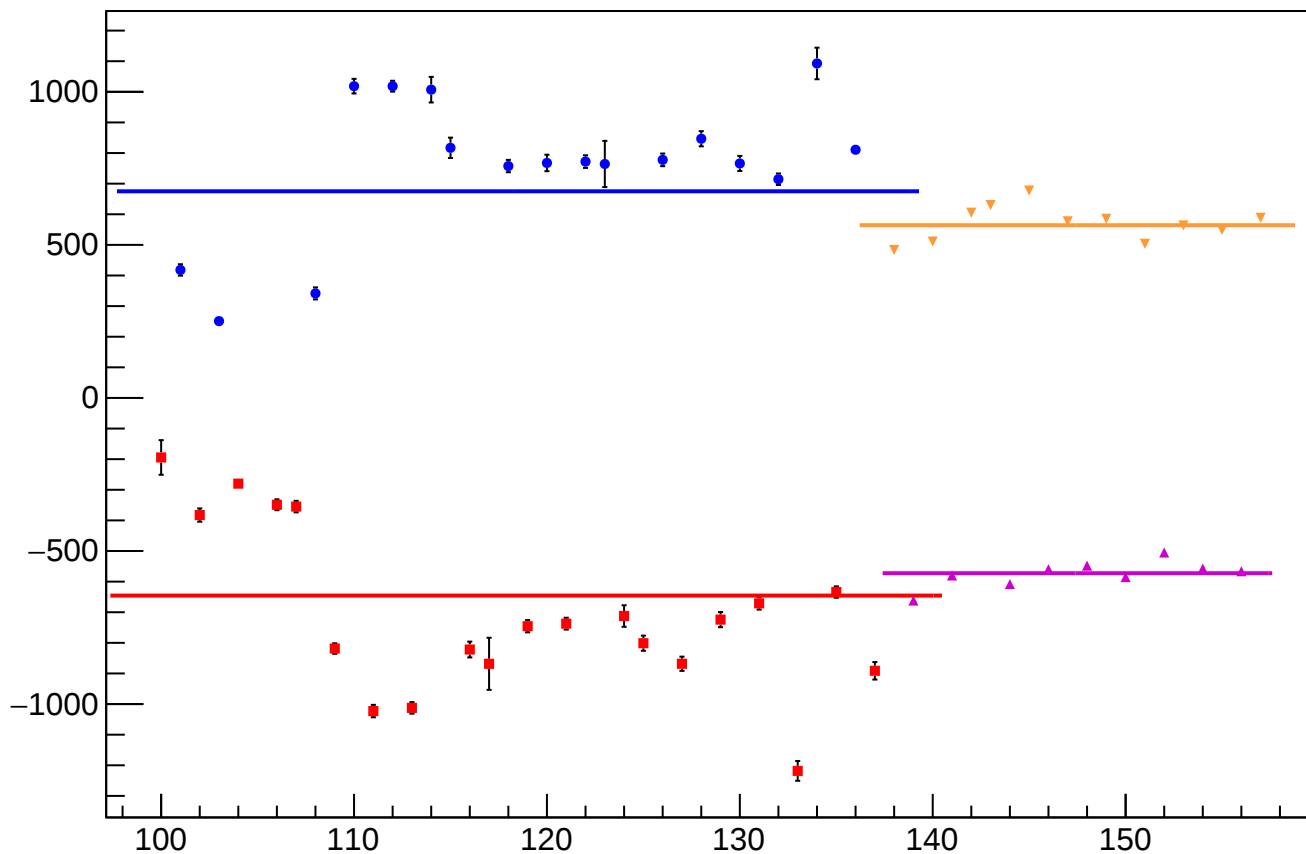
Left In: -21.245 ± 2.074 χ^2/NDF : 81.3/8

5.039 ± 1.597 χ^2/NDF : 627.7/27

-2.023 ± 1.138 χ^2/NDF : 1204.4/56

-9.310 ± 1.623 χ^2/NDF : 537.0/28

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: 564.220 $\pm$ 2.964 χ^2 /NDF:337.1/10

Right Out: -645.613 $\pm$ 4.754 χ^2 /NDF: 3129.0/19

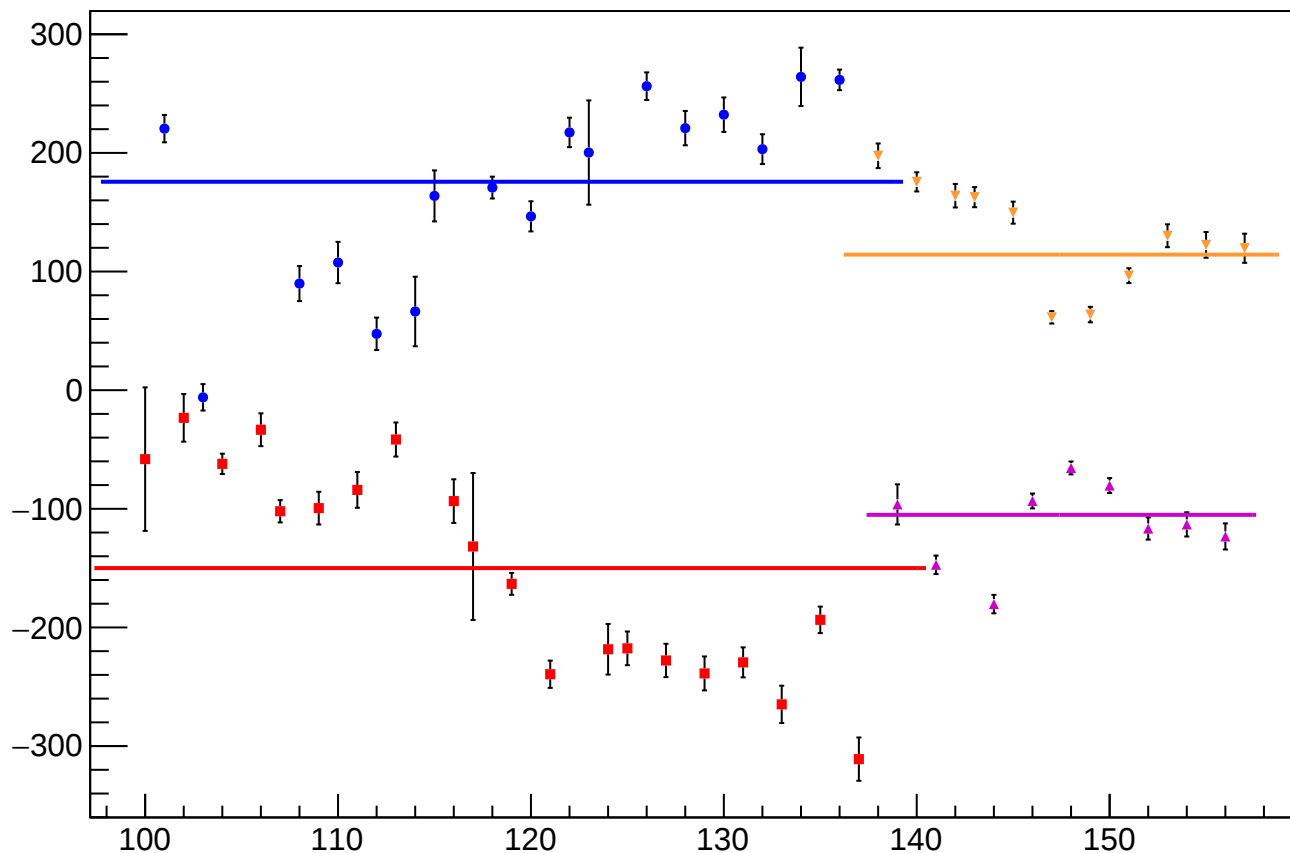
Left In: -572.563 $\pm$ 3.109 χ^2 /NDF:147.7/8

592.467 $\pm$ 2.558 χ^2 /NDF: 3277.9/27

9.025 $\pm$ 1.824 χ^2 /NDF: 112530.1/56

-594.445 $\pm$ 2.602 χ^2 /NDF: 3442.1/28

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 175.686 ± 3.239 χ^2/NDF : 637.9/16

Left Out: 114.283 ± 2.413 χ^2/NDF : 368.1/10

Right Out: -149.973 ± 3.038 χ^2/NDF : 693.8/19

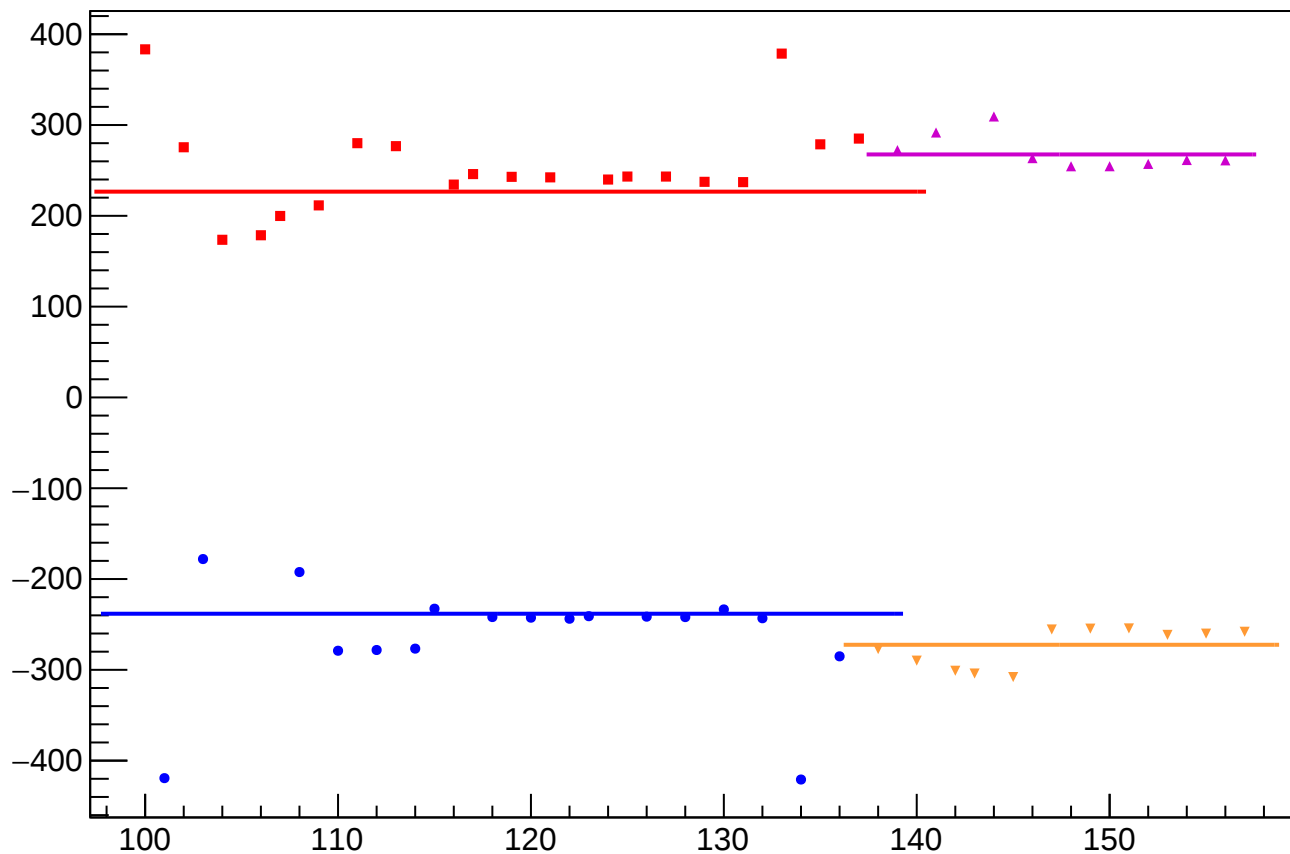
Left In: -105.080 ± 2.576 χ^2/NDF : 199.7/8

136.198 ± 1.935 χ^2/NDF : 1237.2/27

8.174 ± 1.379 χ^2/NDF : 11150.9/56

-123.855 ± 1.965 χ^2/NDF : 1020.6/28

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: -272.410 ± 0.122 $\chi^2/\text{NDF}: 27551.4/10$

Right Out: 226.626 ± 0.151 $\chi^2/\text{NDF}: 102587.0/19$

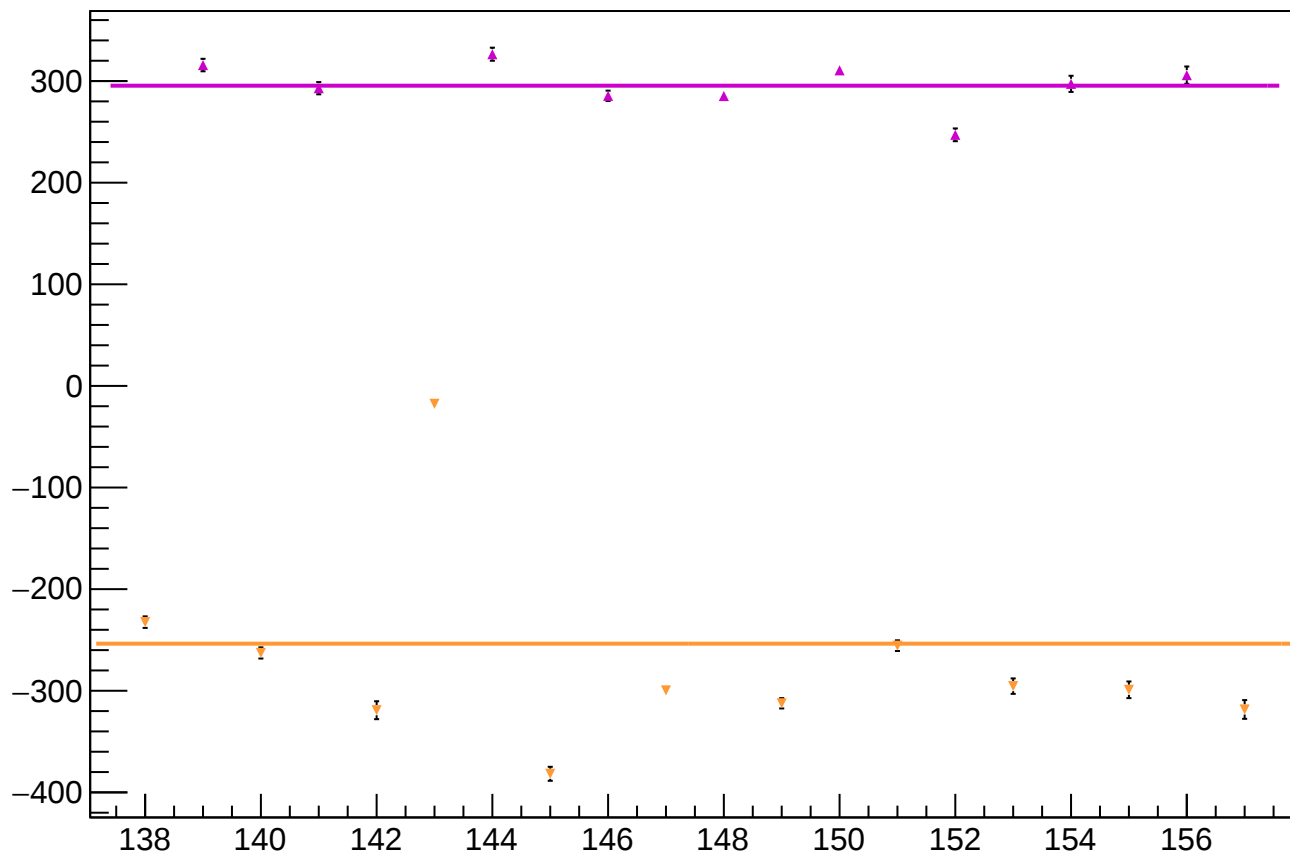
Left In: 267.601 ± 0.126 $\chi^2/\text{NDF}: 17950.4/8$

-259.938 ± 0.097 $\chi^2/\text{NDF}: 223519.1/27$

-4.232 ± 0.068 $\chi^2/\text{NDF}: 14294778.2/56$

250.796 ± 0.097 $\chi^2/\text{NDF}: 163907.2/28$

reg_asym_atl_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -253.661+/-1.824 χ^2/NDF : 3028.6/10

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

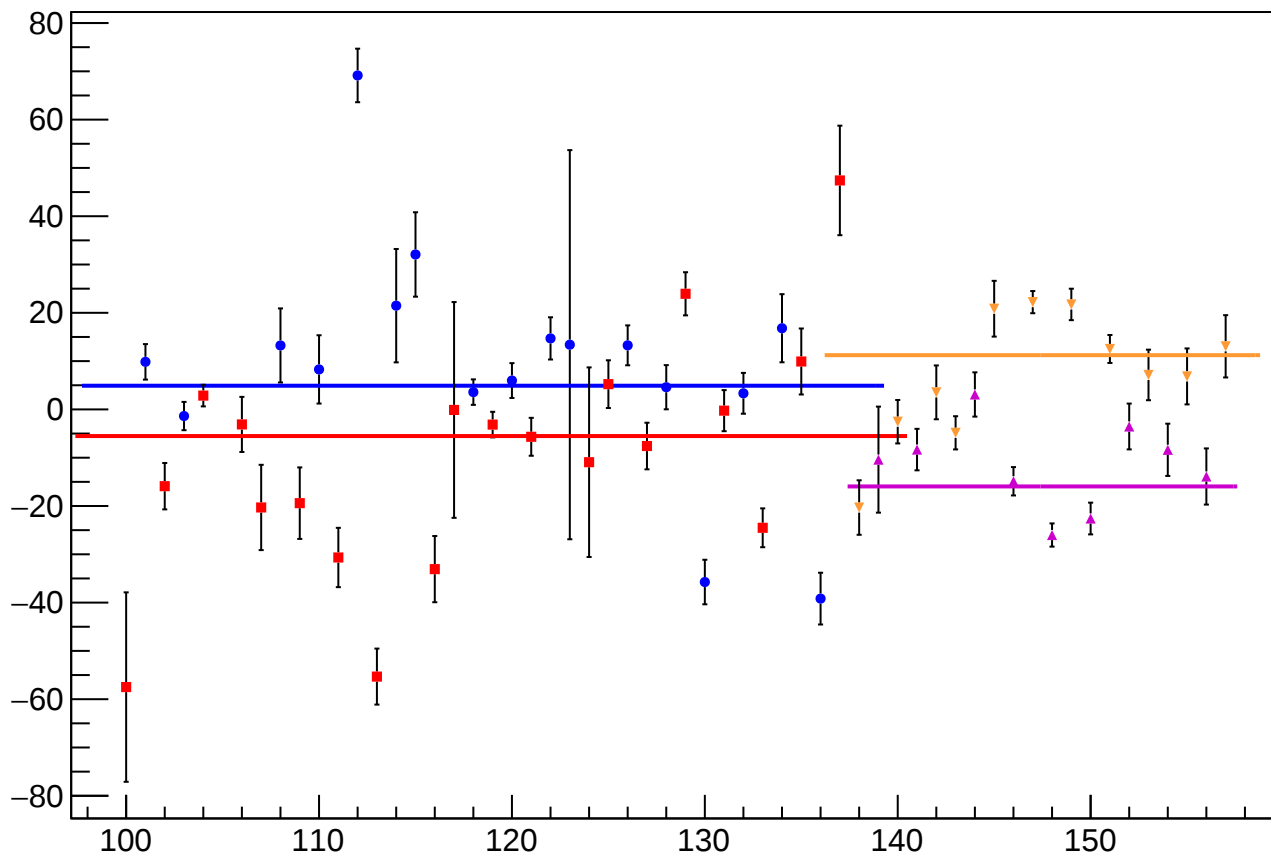
Left In: 295.460+/-1.982 χ^2/NDF : 112.6/8

-253.661+/-1.824 χ^2/NDF : 3028.6/10

-1.796+/-1.342 χ^2/NDF : 44693.1/19

295.460+/-1.982 χ^2/NDF : 112.6/8

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.905 ± 1.105 $\chi^2/\text{NDF}: 311.7/16$

Left Out: 11.232 ± 1.177 $\chi^2/\text{NDF}: 102.0/10$

Right Out: -5.517 ± 1.067 $\chi^2/\text{NDF}: 239.0/19$

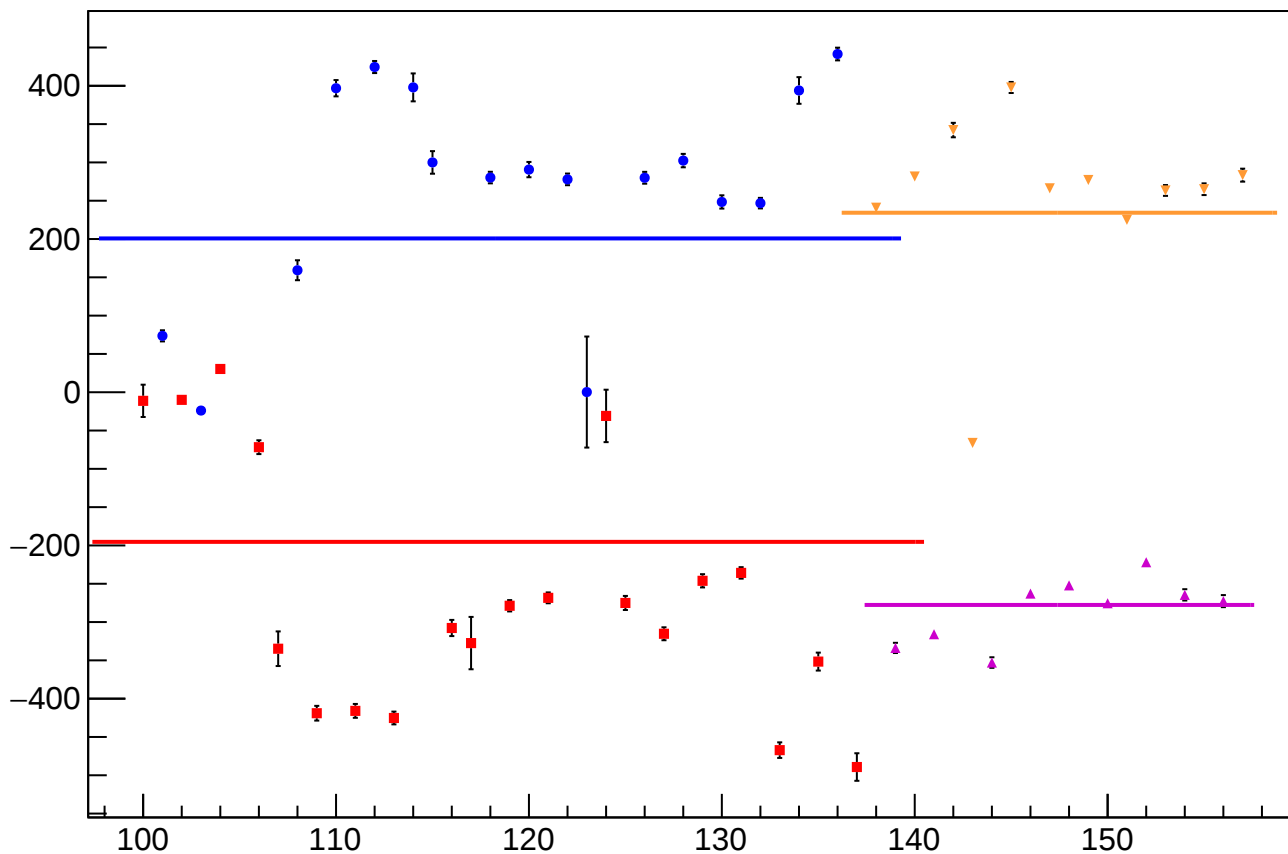
Left In: -15.947 ± 1.290 $\chi^2/\text{NDF}: 51.4/8$

7.869 ± 0.806 $\chi^2/\text{NDF}: 429.0/27$

-0.762 ± 0.576 $\chi^2/\text{NDF}: 992.4/56$

-9.754 ± 0.822 $\chi^2/\text{NDF}: 329.2/28$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 200.773 $\pm$ 1.983 χ^2/NDF : 6733.0/16

Left Out: 234.327 $\pm$ 1.808 χ^2/NDF : 4148.7/10

Right Out: -195.311 $\pm$ 1.921 χ^2/NDF : 8262.1/19

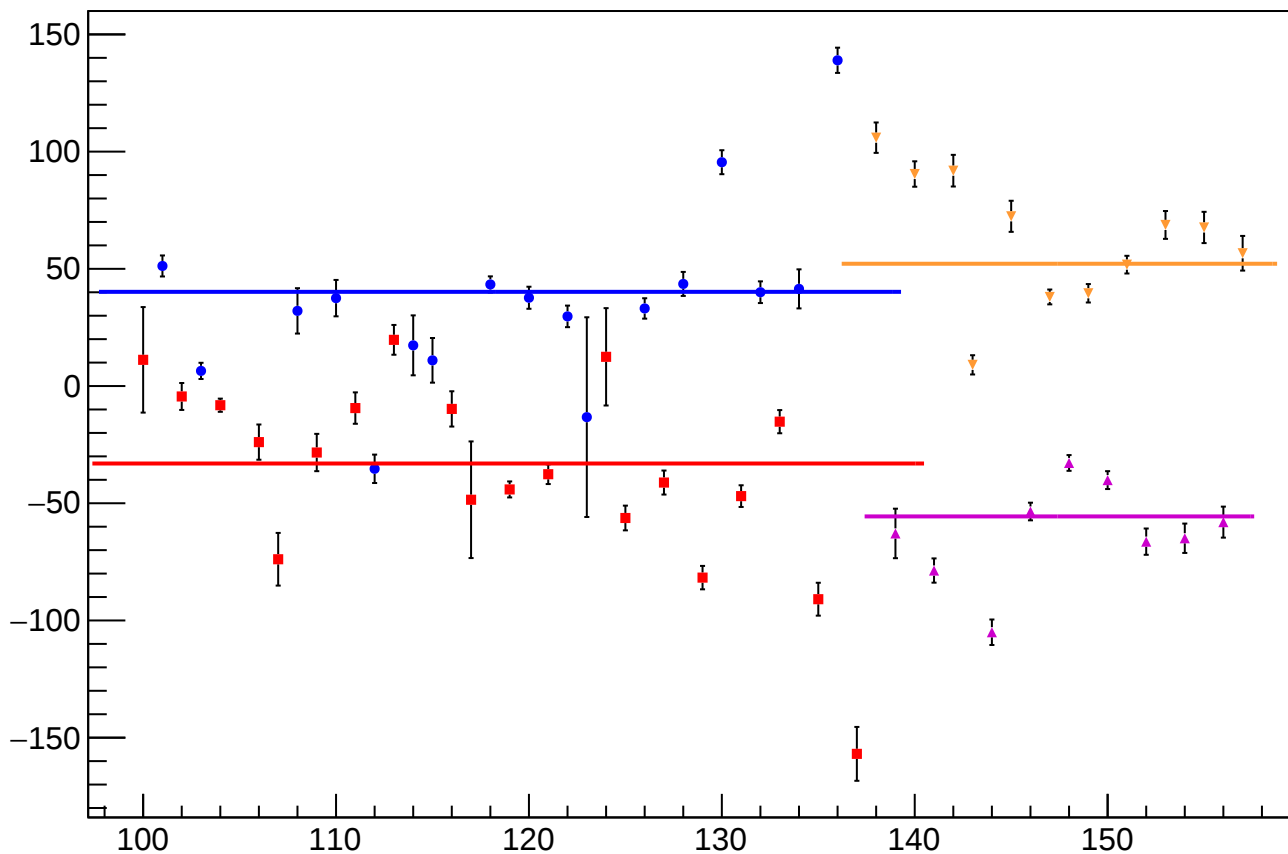
Left In: -277.659 $\pm$ 1.936 χ^2/NDF : 354.6/8

219.101 $\pm$ 1.336 χ^2/NDF : 11038.1/27

-3.890 $\pm$ 0.954 χ^2/NDF : 77448.3/56

-236.165 $\pm$ 1.363 χ^2/NDF : 9528.6/28

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 40.185+/-1.283 χ^2/NDF : 734.6/16

Left Out: 52.168+/-1.466 χ^2/NDF : 316.5/10

Right Out: -33.045+/-1.249 χ^2/NDF : 553.1/19

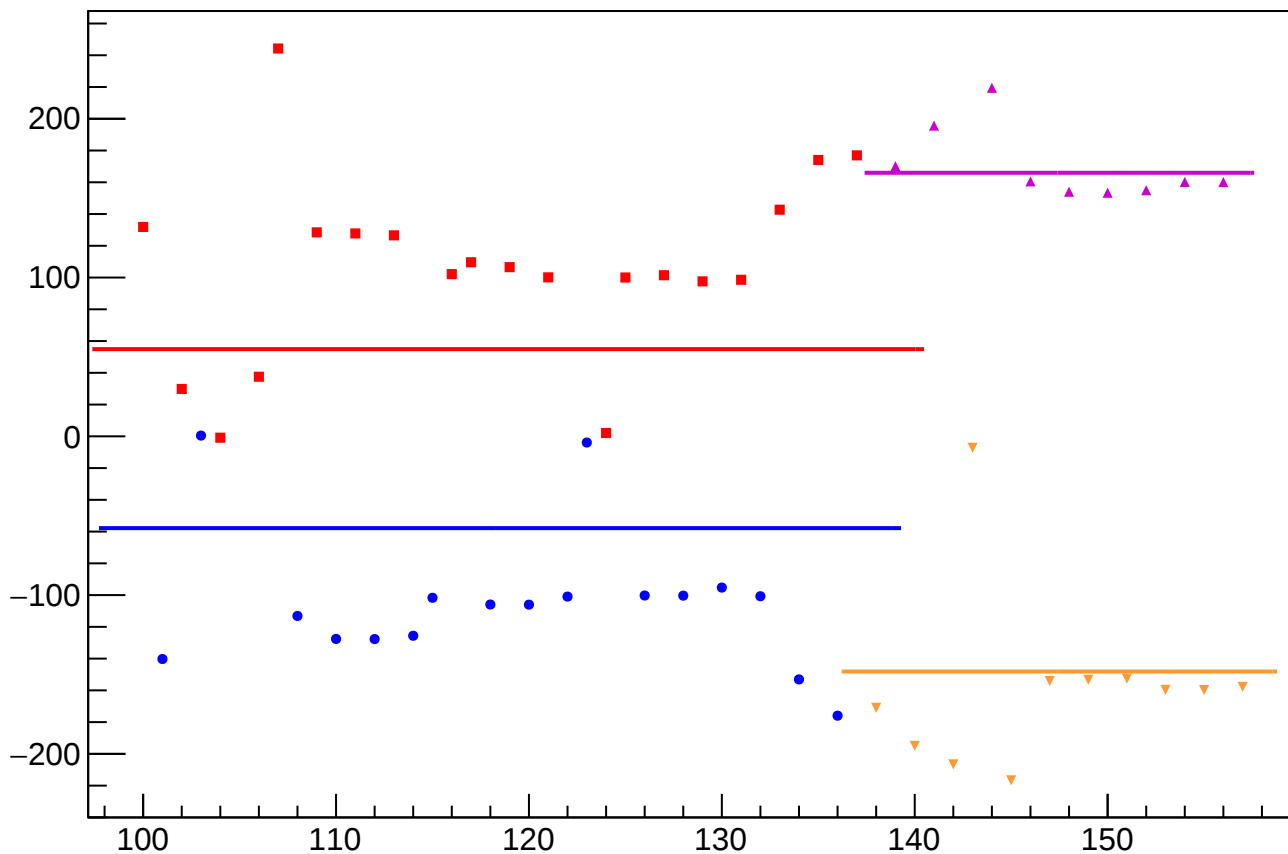
Left In: -55.615+/-1.605 χ^2/NDF : 171.9/8

45.385+/-0.965 χ^2/NDF : 1088.9/27

2.812+/-0.690 χ^2/NDF : 5908.3/56

-41.556+/-0.986 χ^2/NDF : 848.1/28

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -57.821 ± 0.062 χ^2/NDF : 1101296.2/16

Left Out: -148.126 ± 0.074 χ^2/NDF : 575991.5/10

Right Out: 54.915 ± 0.060 χ^2/NDF : 1001968.3/19

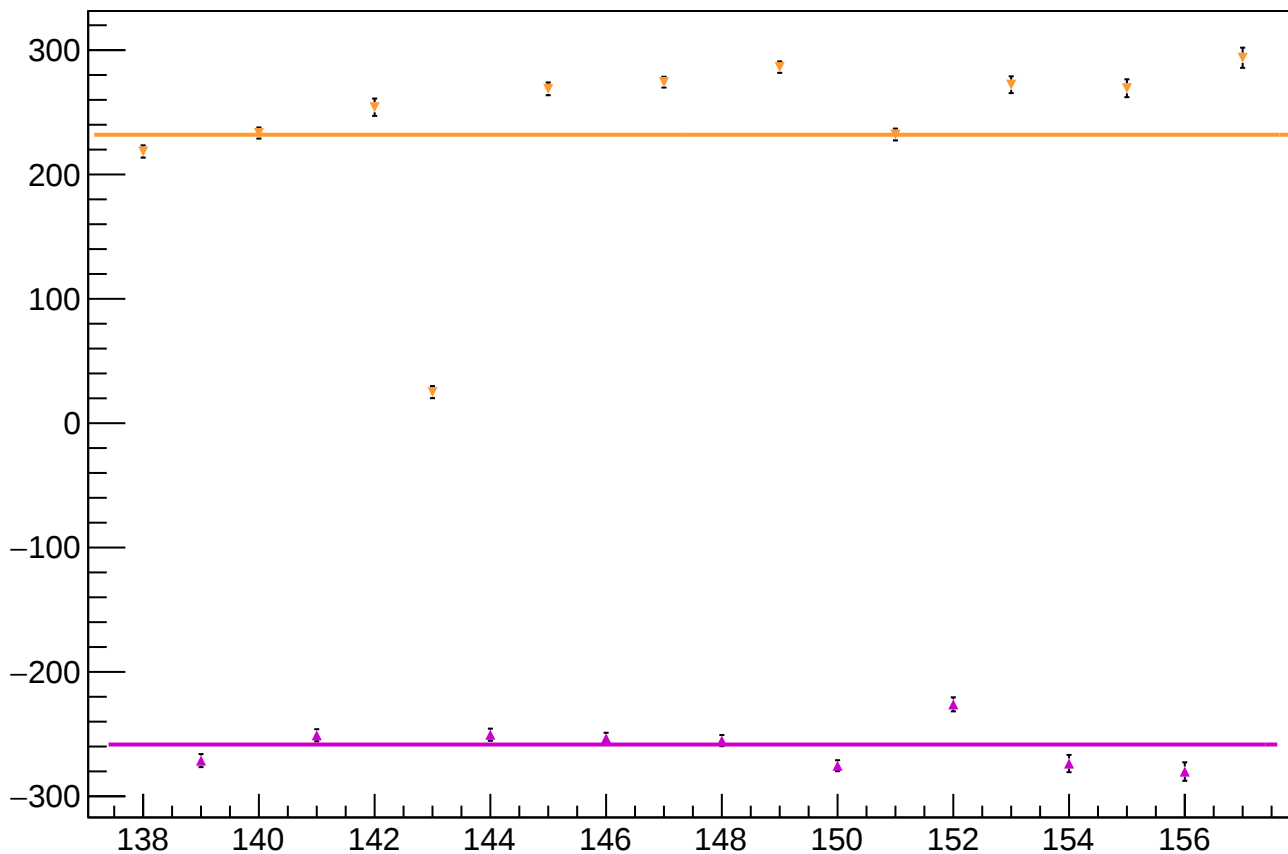
Left In: 165.985 ± 0.078 χ^2/NDF : 56306.5/8

-94.888 ± 0.047 χ^2/NDF : 2554058.8/27

0.043 ± 0.034 χ^2/NDF : 12932978.2/56

96.133 ± 0.048 χ^2/NDF : 2322071.4/28

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: 231.942+/-1.598 χ^2/NDF : 2230.2/10

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

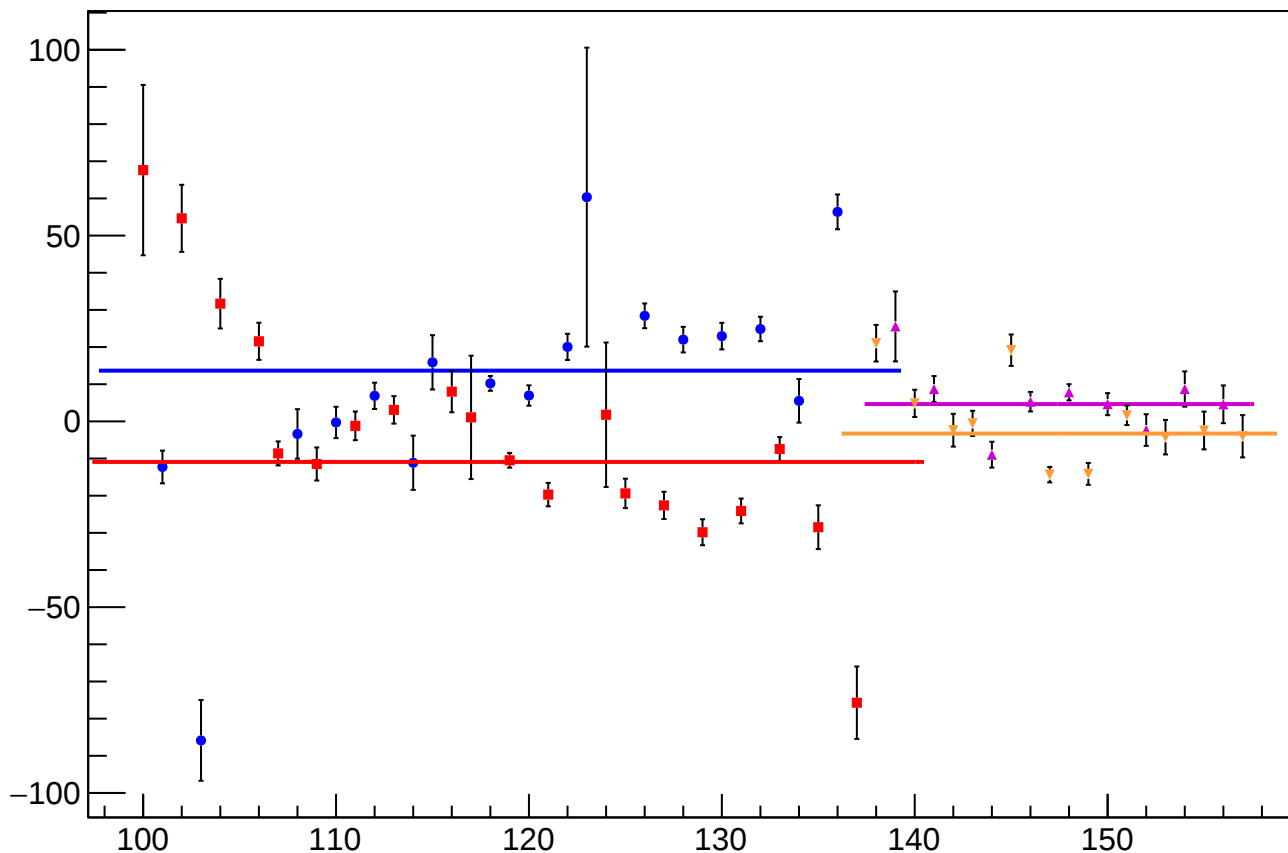
Left In: -258.395+/-1.713 χ^2/NDF : 73.7/8

231.942+/-1.598 χ^2/NDF : 2230.2/10

3.745+/-1.168 χ^2/NDF : 46123.1/19

-258.395+/-1.713 χ^2/NDF : 73.7/8

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 13.652 $\pm$ 0.936 χ^2 /NDF: 294.0/16

Left Out: -3.280 $\pm$ 1.043 χ^2 /NDF: 103.8/10

Right Out: -10.908 $\pm$ 0.912 χ^2 /NDF: 303.1/19

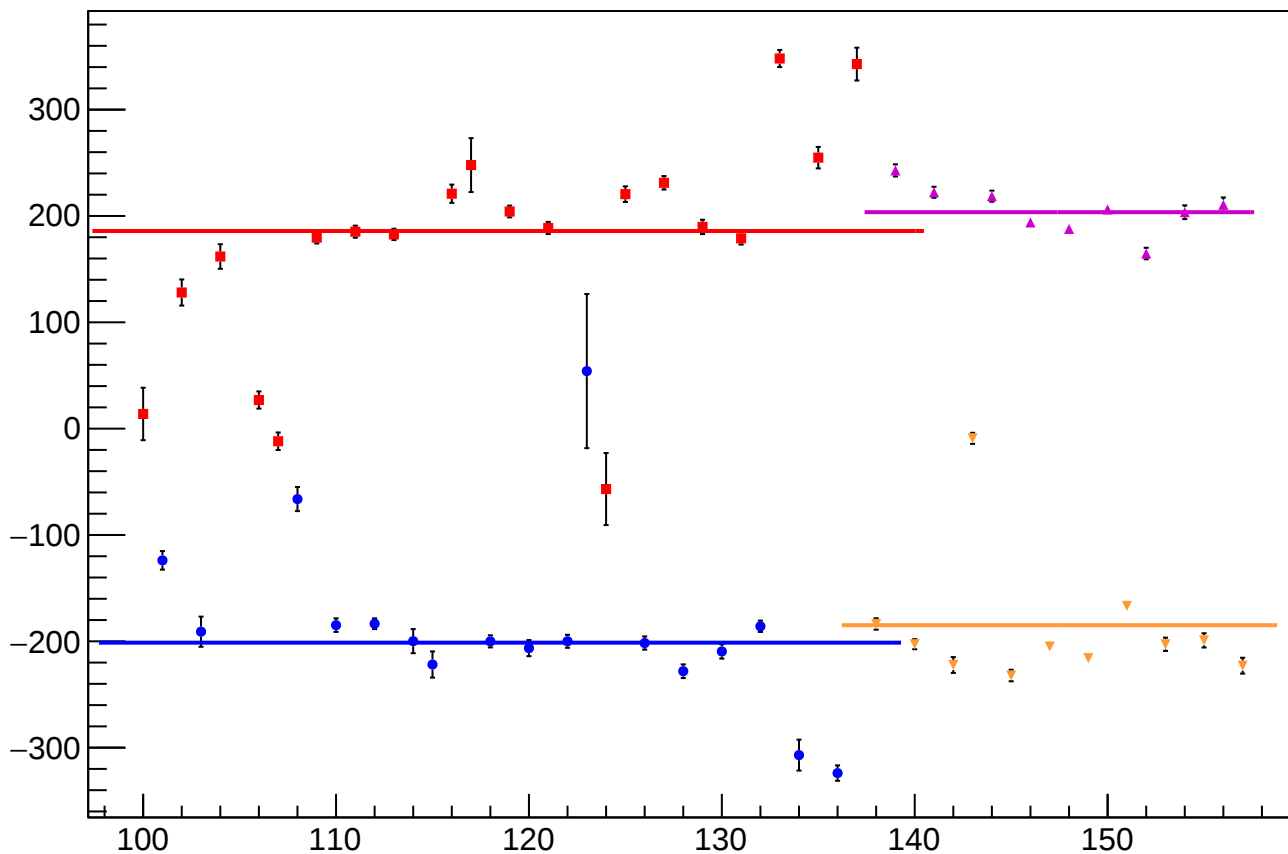
Left In: 4.658 $\pm$ 1.129 χ^2 /NDF: 27.2/8

6.100 $\pm$ 0.697 χ^2 /NDF: 543.7/27

0.766 $\pm$ 0.497 χ^2 /NDF: 1108.4/56

-4.760 $\pm$ 0.709 χ^2 /NDF: 445.4/28

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -201.266 ± 1.795 χ^2/NDF : 623.4/16

Left Out: -184.831 ± 1.589 χ^2/NDF : 1389.1/10

Right Out: 185.871 ± 1.695 χ^2/NDF : 1752.0/19

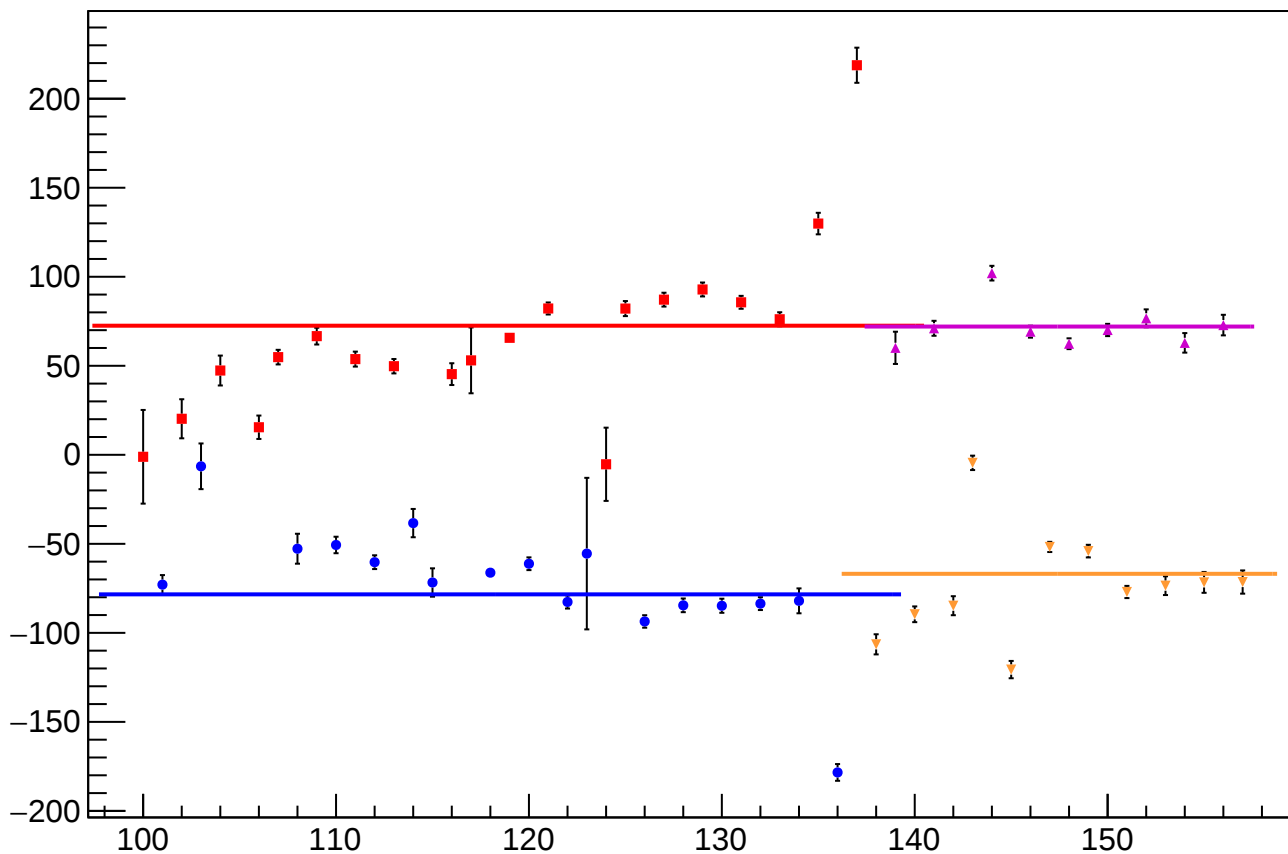
Left In: 203.579 ± 1.682 χ^2/NDF : 140.9/8

-192.050 ± 1.190 χ^2/NDF : 2059.5/27

0.686 ± 0.843 χ^2/NDF : 56670.4/56

194.796 ± 1.194 χ^2/NDF : 1947.9/28

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -78.376 ± 1.081 χ^2/NDF : 651.4/16

Left Out: -66.839 ± 1.295 χ^2/NDF : 498.8/10

Right Out: 72.514 ± 1.050 χ^2/NDF : 607.0/19

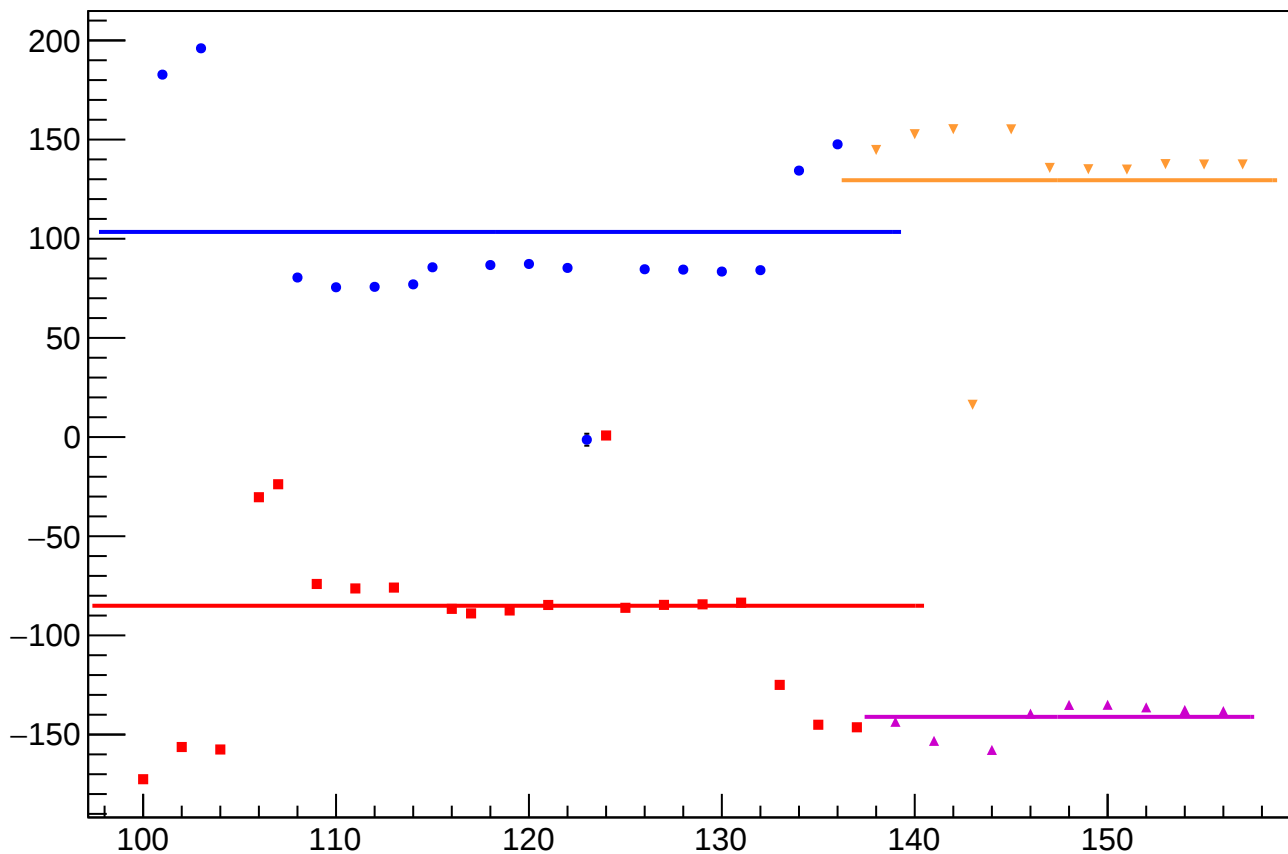
Left In: 72.035 ± 1.398 χ^2/NDF : 69.4/8

-73.637 ± 0.830 χ^2/NDF : 1197.0/27

-1.475 ± 0.590 χ^2/NDF : 17162.7/56

72.341 ± 0.840 χ^2/NDF : 676.4/28

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 103.436 $\pm$ 0.071 χ^2/NDF : 272785.6/16

Left Out: 129.506 $\pm$ 0.065 χ^2/NDF : 342030.4/10

Right Out: -85.054 $\pm$ 0.064 χ^2/NDF : 422354.0/19

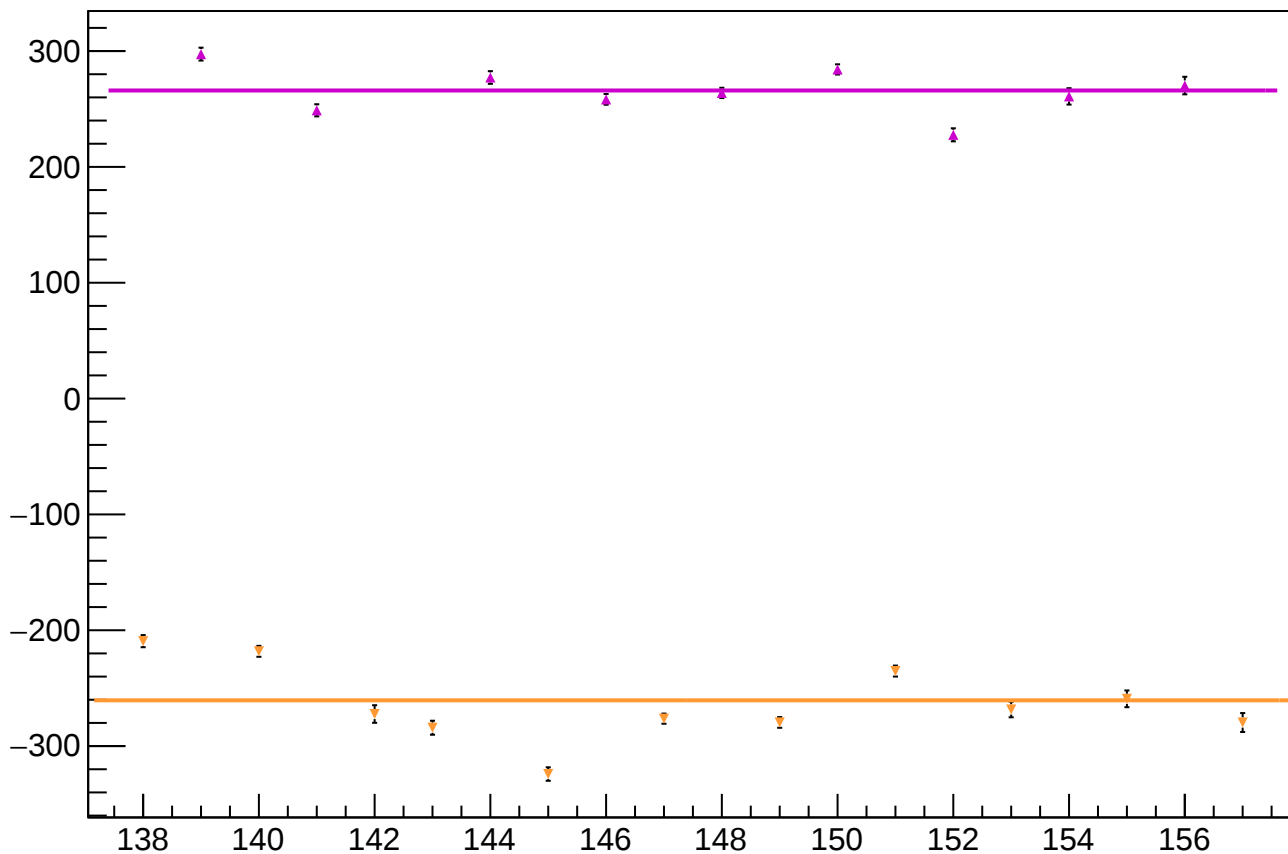
Left In: -141.075 $\pm$ 0.068 χ^2/NDF : 12087.6/8

117.604 $\pm$ 0.048 χ^2/NDF : 688336.3/27

-0.194 $\pm$ 0.033 χ^2/NDF : 13234800.5/56

-111.187 $\pm$ 0.046 χ^2/NDF : 795856.1/28

reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -260.489+/-1.679 χ^2/NDF : 377.8/10

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

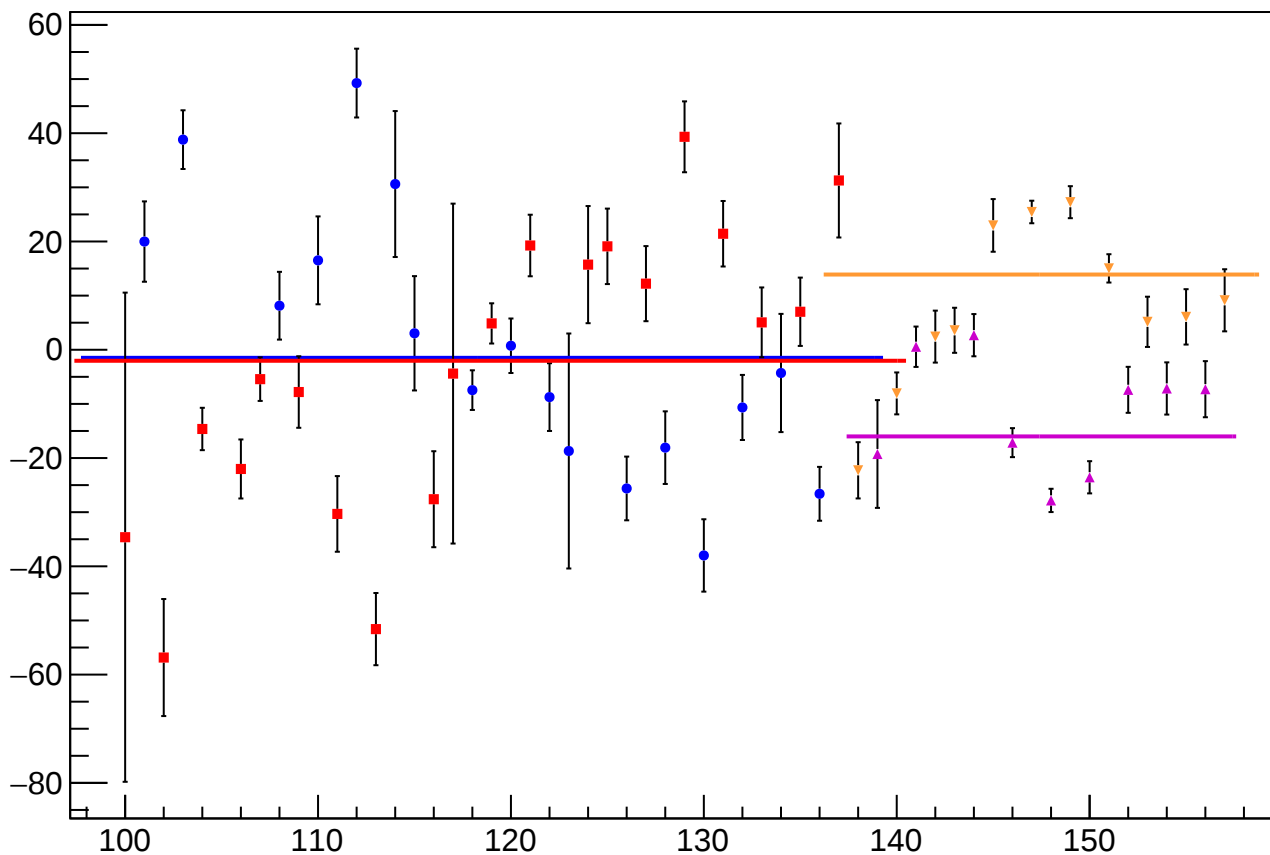
Left In: 265.965+/-1.767 χ^2/NDF : 113.8/8

-260.489+/-1.679 χ^2/NDF : 377.8/10

-10.715+/-1.217 χ^2/NDF : 47117.6/19

265.965+/-1.767 χ^2/NDF : 113.8/8

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.490 ± 1.536 χ^2/NDF : 226.0/16

Left Out: 13.895 ± 1.082 χ^2/NDF : 153.9/10

Right Out: -2.032 ± 1.398 χ^2/NDF : 233.3/19

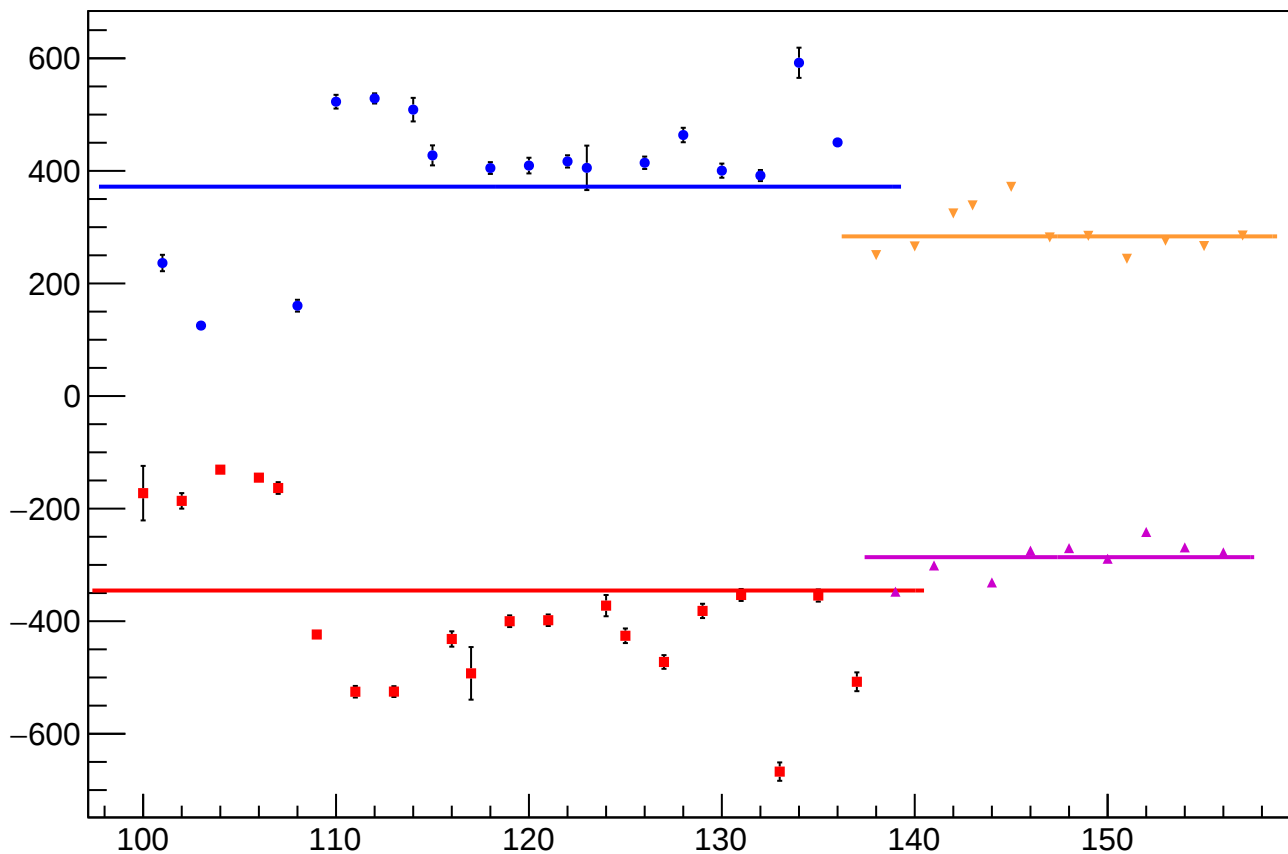
Left In: -16.006 ± 1.153 χ^2/NDF : 90.0/8

8.792 ± 0.885 χ^2/NDF : 446.9/27

-0.727 ± 0.627 χ^2/NDF : 1062.5/56

-10.350 ± 0.890 χ^2/NDF : 382.8/28

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 371.975 +/- 2.778 χ^2/NDF : 2432.6/16

Left Out: 283.633 +/- 1.658 χ^2/NDF : 437.9/10

Right Out: -345.485 +/- 2.558 χ^2/NDF : 3425.1/19

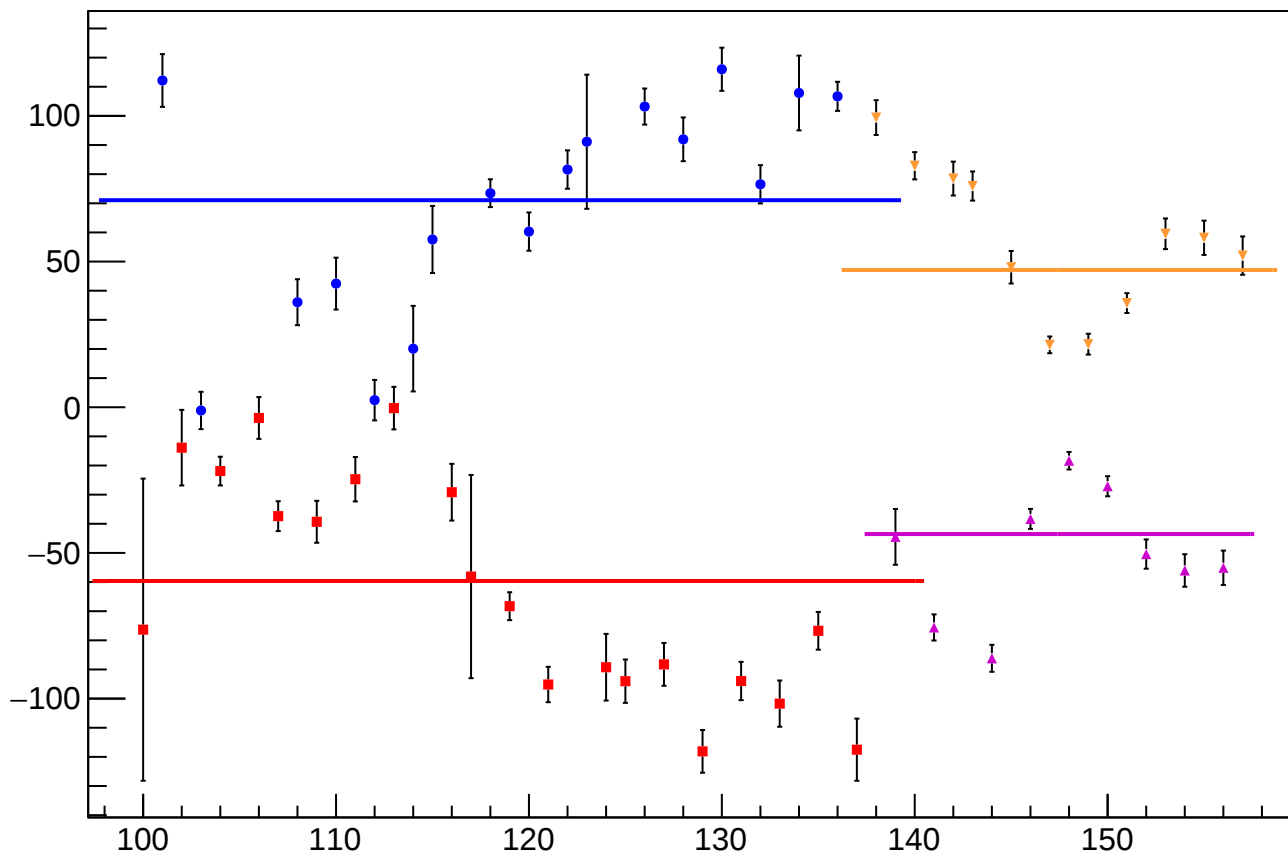
Left In: -286.226 +/- 1.729 χ^2/NDF : 268.8/8

306.847 +/- 1.424 χ^2/NDF : 3616.2/27

2.829 +/- 1.010 χ^2/NDF : 99397.2/56

-304.801 +/- 1.432 χ^2/NDF : 4062.3/28

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 71.056 $\pm$ 1.764 χ^2 /NDF: 426.2/16

Left Out: 47.118 $\pm$ 1.349 χ^2 /NDF: 349.3/10

Right Out: -59.634 $\pm$ 1.629 χ^2 /NDF: 491.6/19

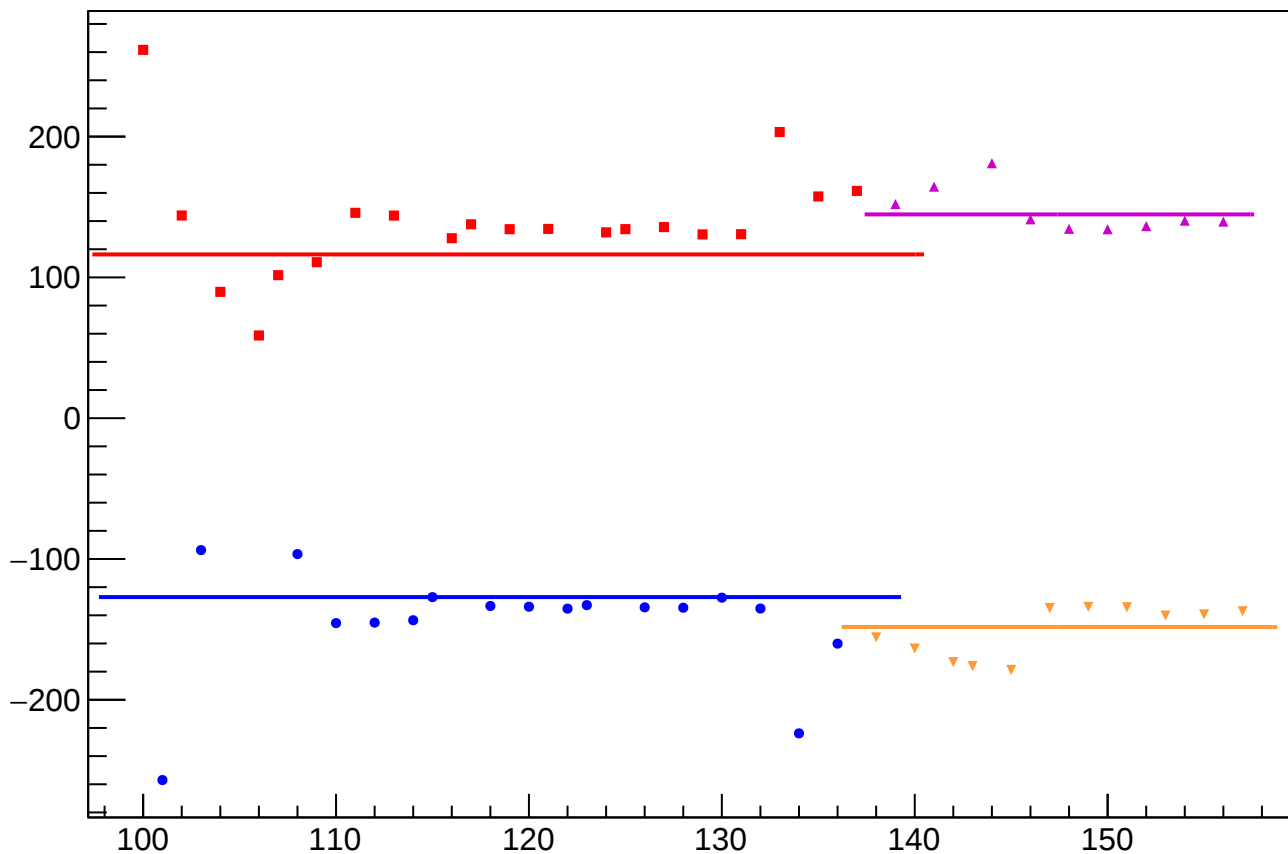
Left In: -43.518 $\pm$ 1.433 χ^2 /NDF: 241.8/8

55.953 $\pm$ 1.072 χ^2 /NDF: 891.7/27

2.911 $\pm$ 0.759 χ^2 /NDF: 6598.7/56

-50.545 $\pm$ 1.076 χ^2 /NDF: 788.6/28

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -127.049 ± 0.090 $\chi^2/\text{NDF}: 167014.4/16$

Left Out: -148.296 ± 0.068 $\chi^2/\text{NDF}: 59622.5/10$

Right Out: 116.327 ± 0.083 $\chi^2/\text{NDF}: 167208.7/19$

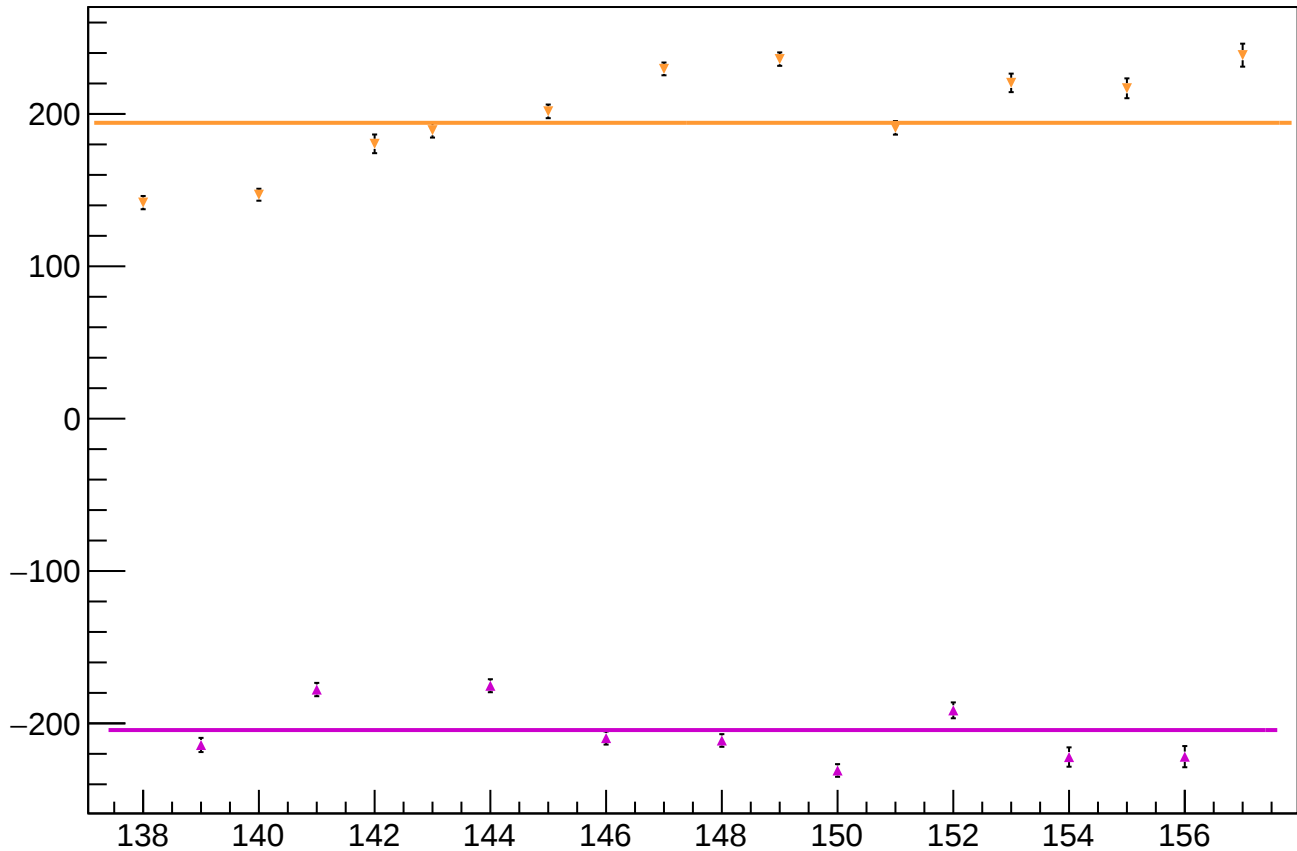
Left In: 144.746 ± 0.070 $\chi^2/\text{NDF}: 38536.1/8$

-140.553 ± 0.054 $\chi^2/\text{NDF}: 262236.8/27$

-2.000 ± 0.038 $\chi^2/\text{NDF}: 13437484.6/56$

132.925 ± 0.053 $\chi^2/\text{NDF}: 274343.8/28$

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 194.186+/-1.469 χ^2/NDF :525.0/10

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

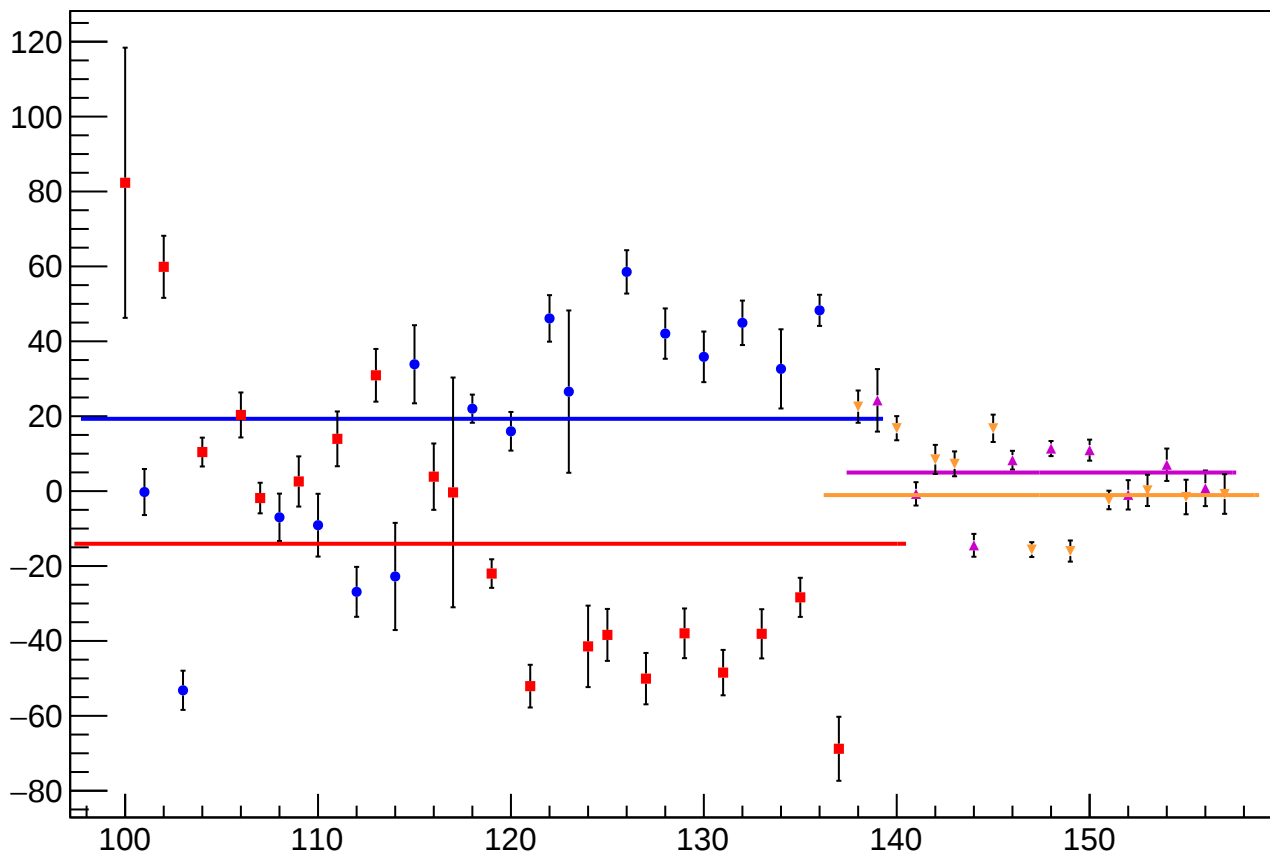
Left In: -204.397+/-1.571 χ^2/NDF :152.9/8

194.186+/-1.469 χ^2/NDF : 525.0/10

8.242+/-1.073 χ^2/NDF : 35039.5/19

-204.397+/-1.571 χ^2/NDF : 152.9/8

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.308 ± 1.500 χ^2/NDF : 441.3/16

Left Out: -1.060 ± 0.969 χ^2/NDF : 179.1/10

Right Out: -14.055 ± 1.388 χ^2/NDF : 437.1/19

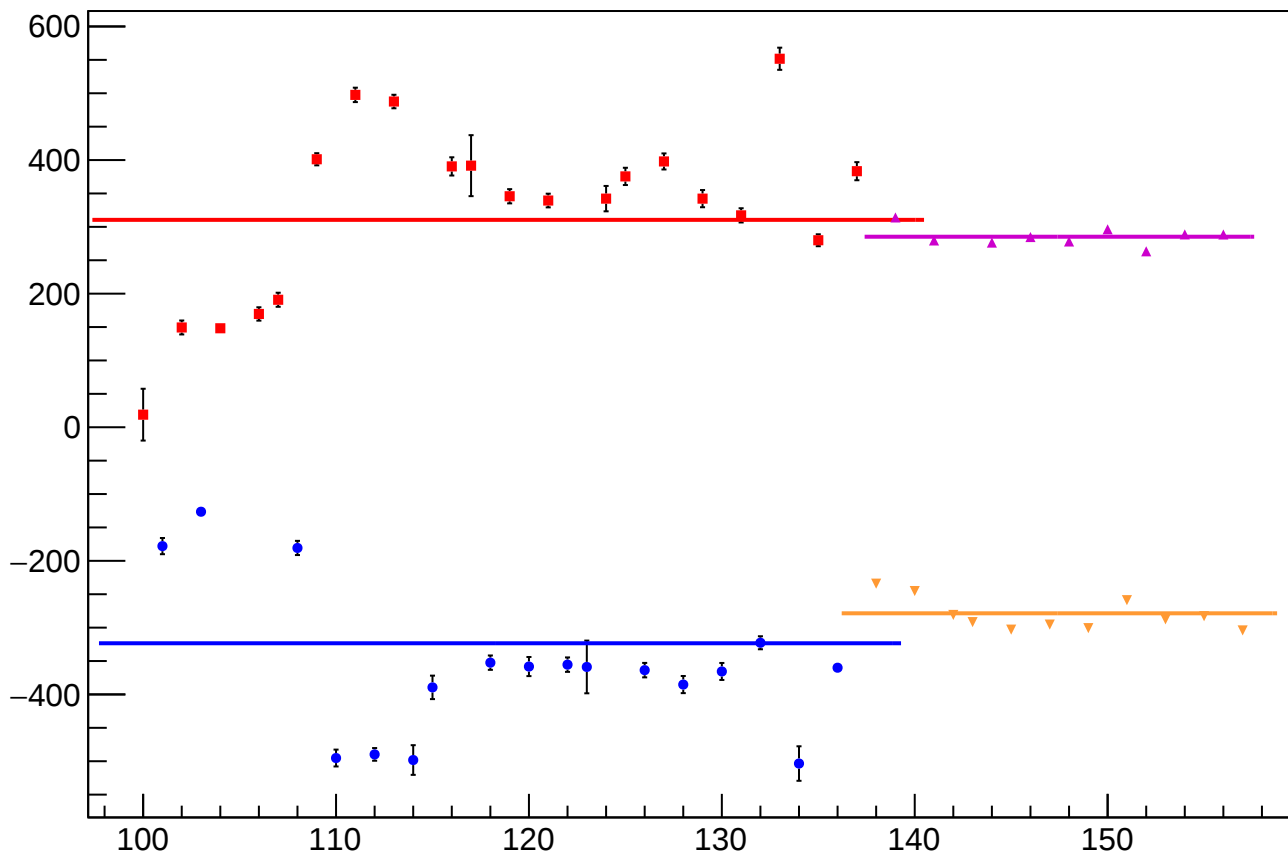
Left In: 4.963 ± 1.043 χ^2/NDF : 68.9/8

4.937 ± 0.814 χ^2/NDF : 750.4/27

1.602 ± 0.582 χ^2/NDF : 1410.8/56

-1.896 ± 0.834 χ^2/NDF : 626.0/28

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -323.402 ± 2.684 $\chi^2/\text{NDF}: 1849.6/16$

Left Out: -278.548 ± 1.465 $\chi^2/\text{NDF}: 270.7/10$

Right Out: 310.484 ± 2.520 $\chi^2/\text{NDF}: 2302.0/19$

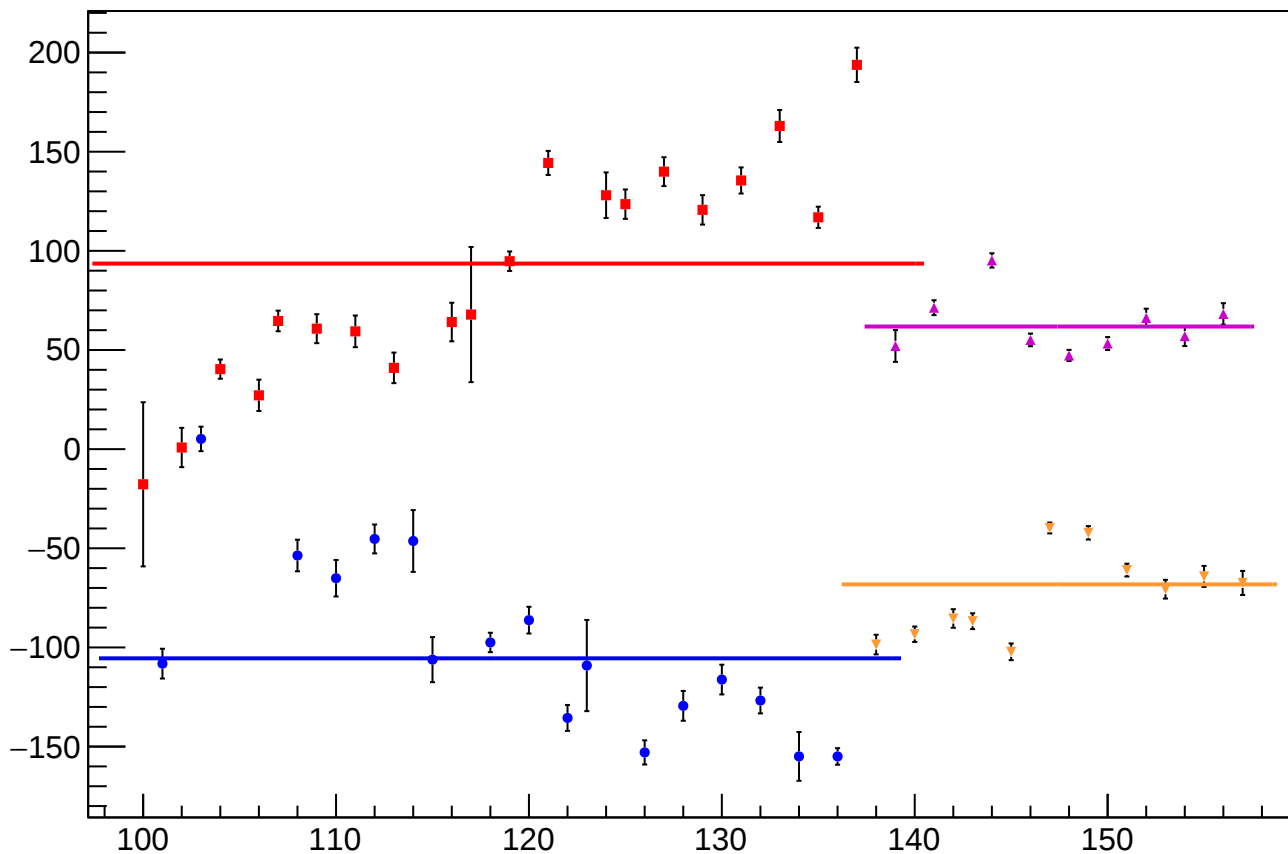
Left In: 285.232 ± 1.547 $\chi^2/\text{NDF}: 69.1/8$

-288.844 ± 1.286 $\chi^2/\text{NDF}: 2335.5/27$

-5.623 ± 0.921 $\chi^2/\text{NDF}: 104295.8/56$

292.147 ± 1.318 $\chi^2/\text{NDF}: 2444.1/28$

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -105.496 ± 1.712 χ^2/NDF : 737.3/16

Left Out: -68.194 ± 1.200 χ^2/NDF : 351.7/10

Right Out: 93.579 ± 1.608 χ^2/NDF : 827.7/19

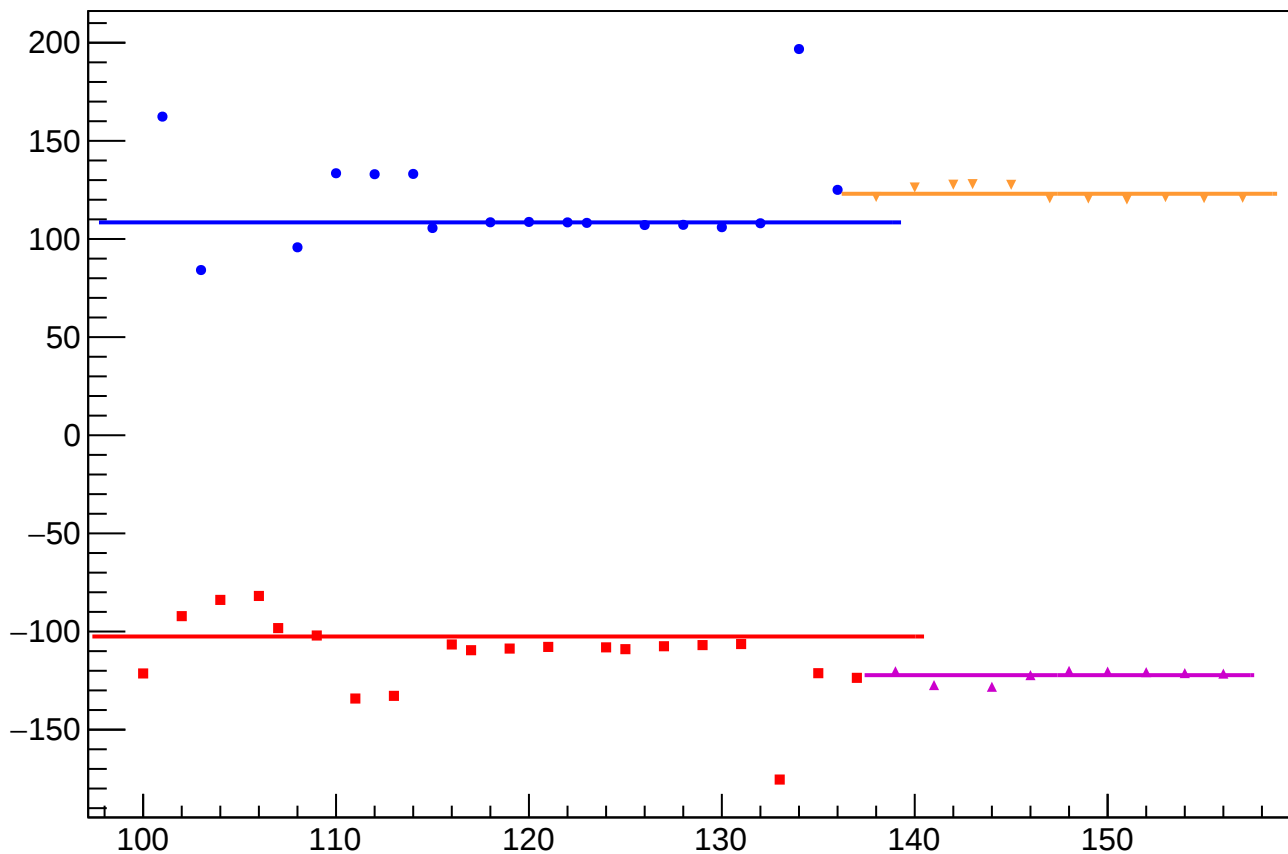
Left In: 61.839 ± 1.290 χ^2/NDF : 134.3/8

-80.484 ± 0.983 χ^2/NDF : 1407.4/27

-4.940 ± 0.703 χ^2/NDF : 14712.2/56

74.260 ± 1.006 χ^2/NDF : 1199.0/28

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: 123.039 ± 0.060 $\chi^2/\text{NDF}: 2702.8/10$

Right Out: -102.532 ± 0.079 $\chi^2/\text{NDF}: 53003.2/19$

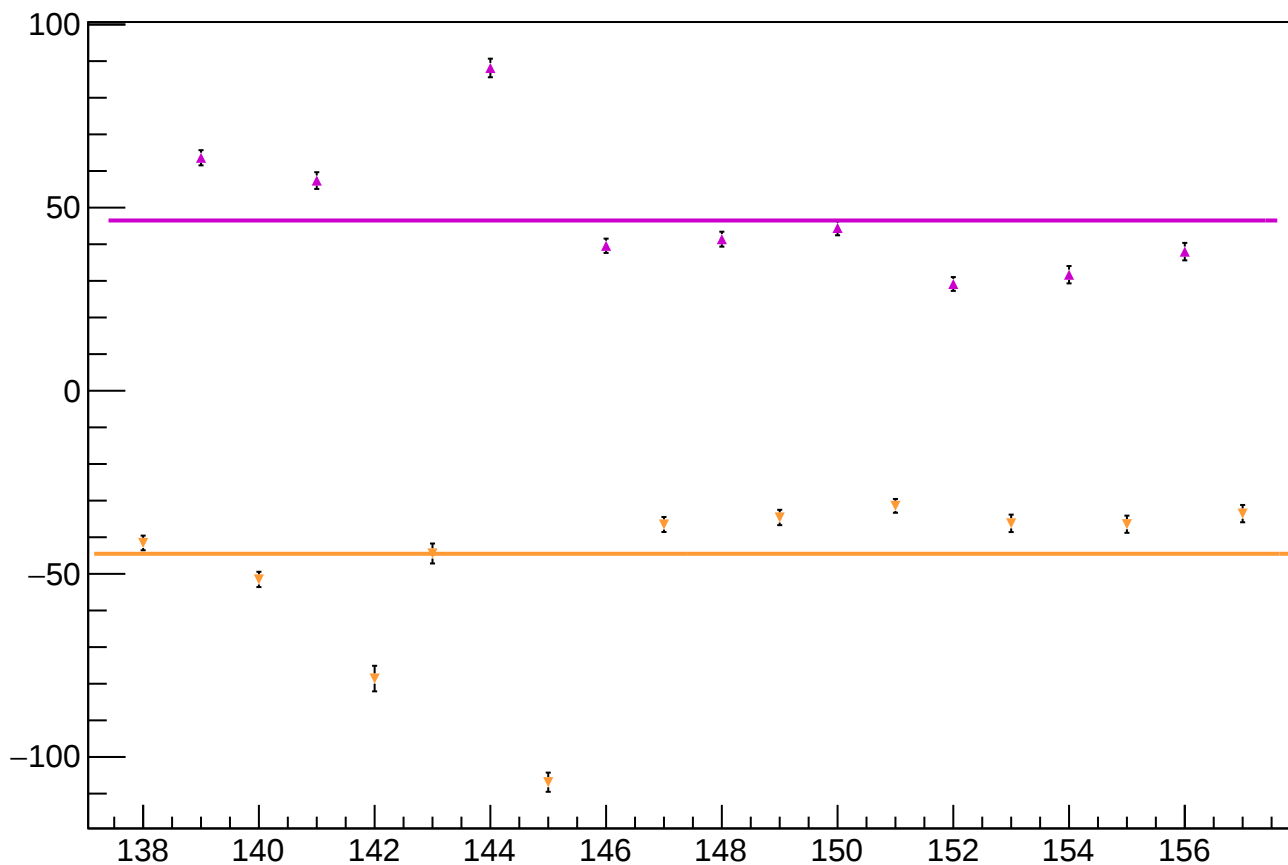
Left In: -122.232 ± 0.062 $\chi^2/\text{NDF}: 2122.3/8$

118.215 ± 0.049 $\chi^2/\text{NDF}: 95689.0/27$

2.309 ± 0.035 $\chi^2/\text{NDF}: 11480532.7/56$

-114.707 ± 0.049 $\chi^2/\text{NDF}: 93084.5/28$

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -44.518+/-0.686 χ^2/NDF : 807.6/10

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

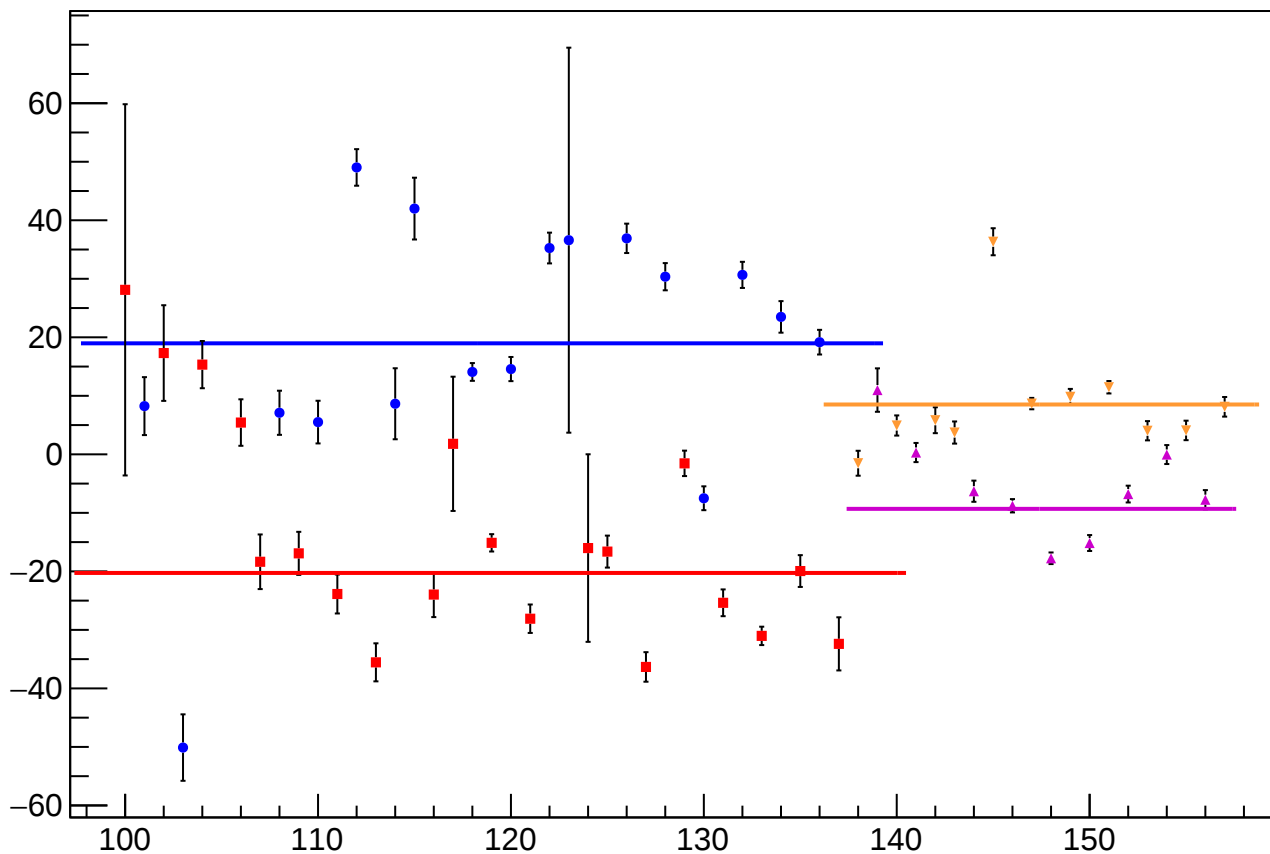
Left In: 46.487+/-0.714 χ^2/NDF : 515.6/8

-44.518+/-0.686 χ^2/NDF : 807.6/10

-0.852+/-0.494 χ^2/NDF : 9777.0/19

46.487+/-0.714 χ^2/NDF : 515.6/8

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.970 ± 0.653 χ^2/NDF : 618.4/16

Left Out: 8.517 ± 0.456 χ^2/NDF : 202.5/10

Right Out: -20.269 ± 0.641 χ^2/NDF : 370.1/19

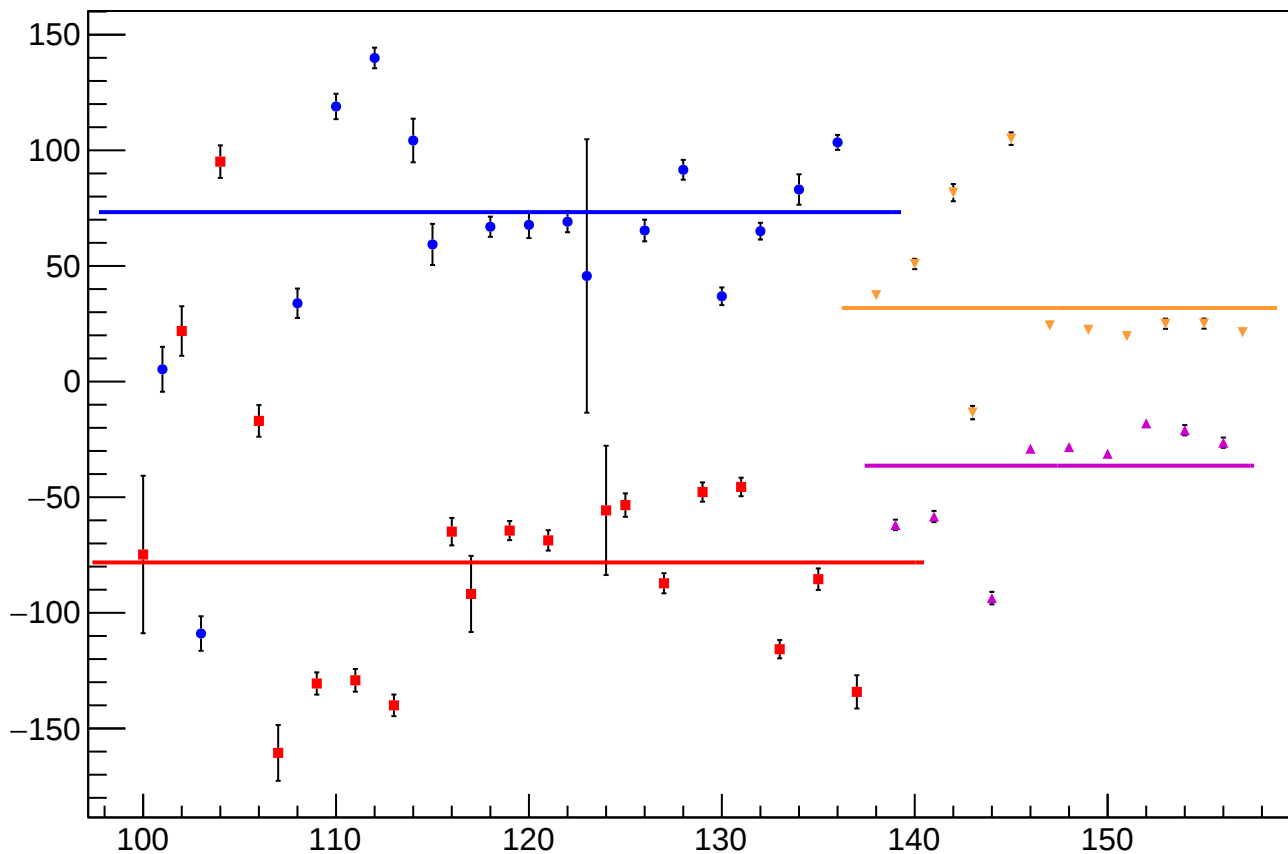
Left In: -9.317 ± 0.482 χ^2/NDF : 195.1/8

11.948 ± 0.374 χ^2/NDF : 993.1/27

-0.296 ± 0.268 χ^2/NDF : 3950.8/56

-13.266 ± 0.385 χ^2/NDF : 751.7/28

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: 31.820+/-0.673 χ^2 /NDF:1361.1/10

Right Out: -78.205+/-1.219 χ^2 /NDF: 1544.0/19

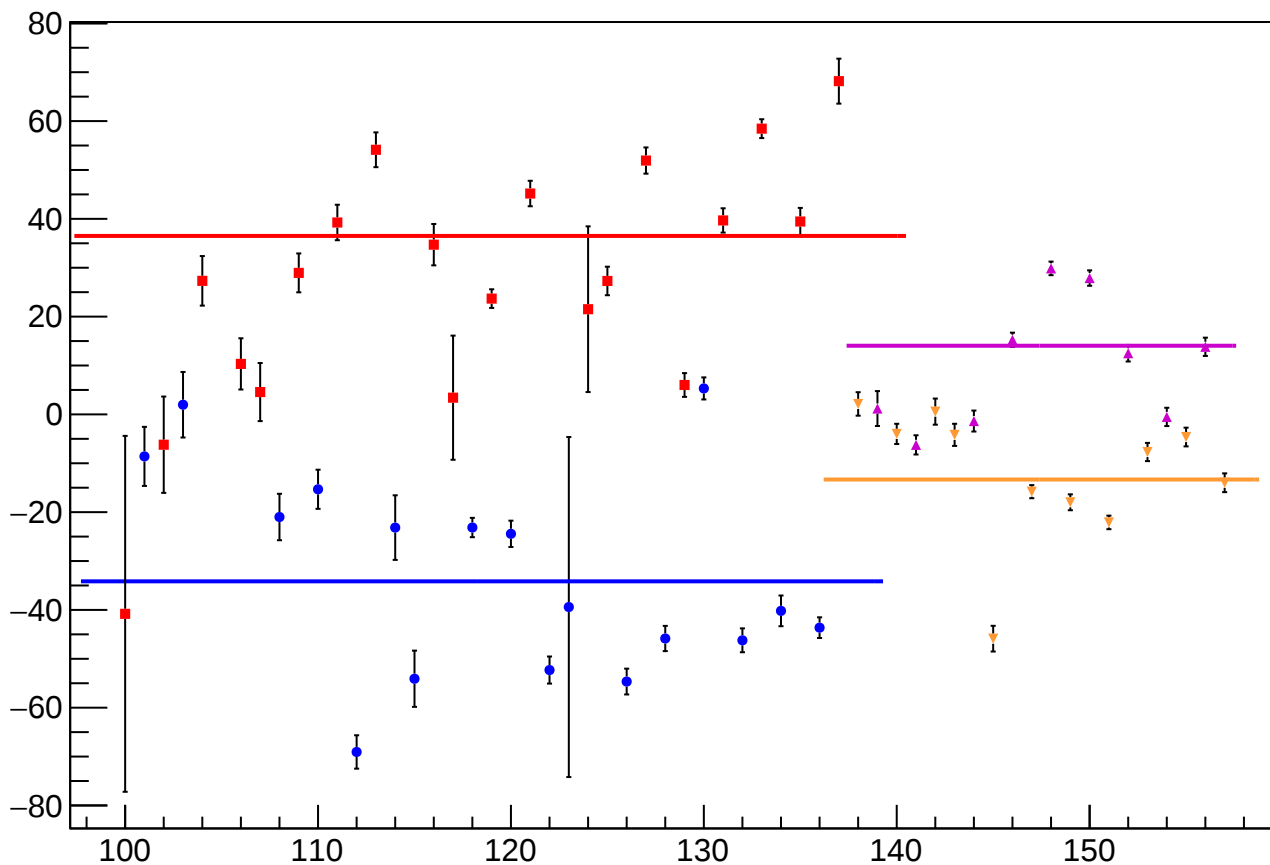
Left In: -36.368+/-0.697 χ^2 /NDF:868.4/8

41.296+/-0.591 χ^2 /NDF: 3427.0/27

-1.680+/-0.423 χ^2 /NDF: 17544.8/56

-46.663+/-0.605 χ^2 /NDF: 3300.2/28

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -34.153 ± 0.745 χ^2/NDF : 717.5/16

Left Out: -13.326 ± 0.561 χ^2/NDF : 339.7/10

Right Out: 36.507 ± 0.735 χ^2/NDF : 553.8/19

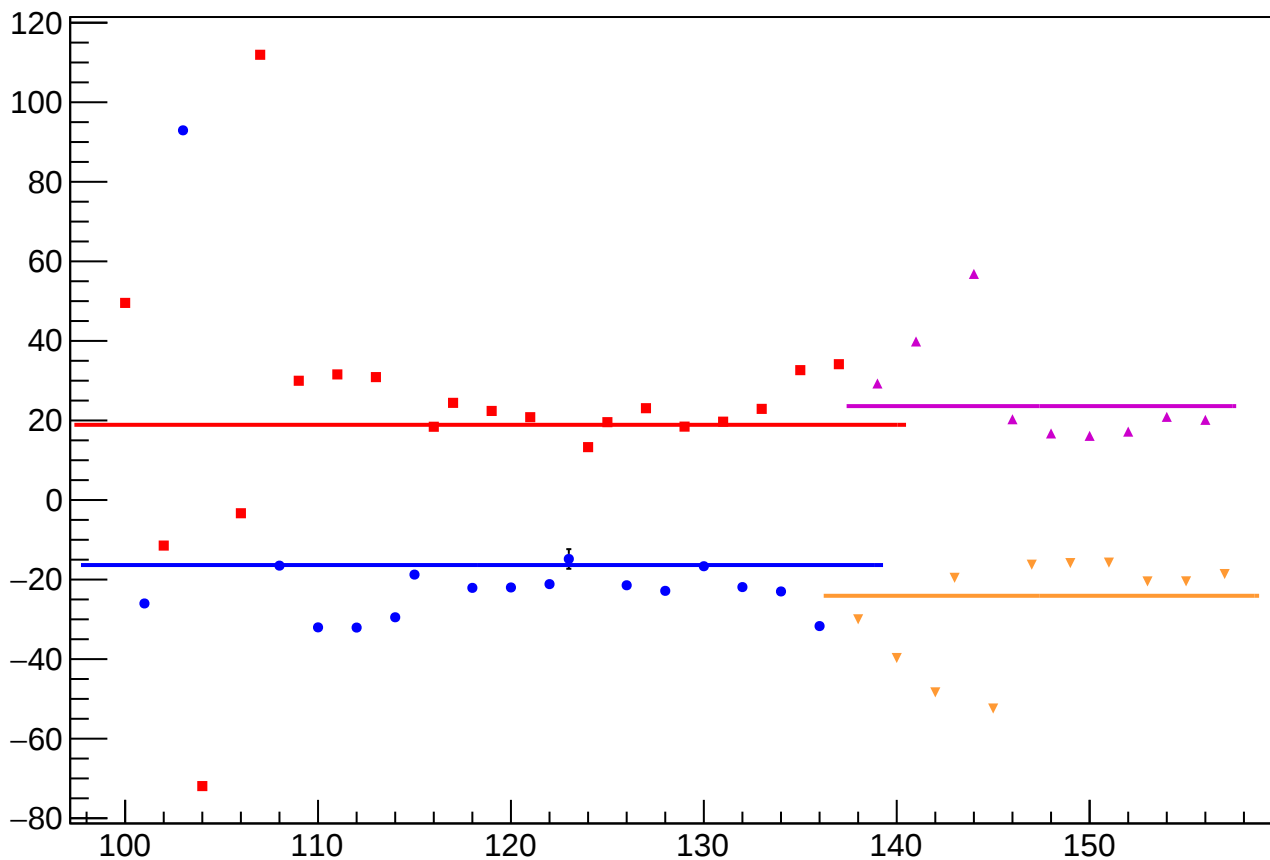
Left In: 14.043 ± 0.591 χ^2/NDF : 440.1/8

-20.873 ± 0.448 χ^2/NDF : 1555.7/27

0.421 ± 0.321 χ^2/NDF : 7750.6/56

22.866 ± 0.460 χ^2/NDF : 1561.9/28

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.349 ± 0.045 $\chi^2/\text{NDF}: 474192.3/16$

Left Out: -24.078 ± 0.027 $\chi^2/\text{NDF}: 167229.3/10$

Right Out: 18.906 ± 0.045 $\chi^2/\text{NDF}: 433847.1/19$

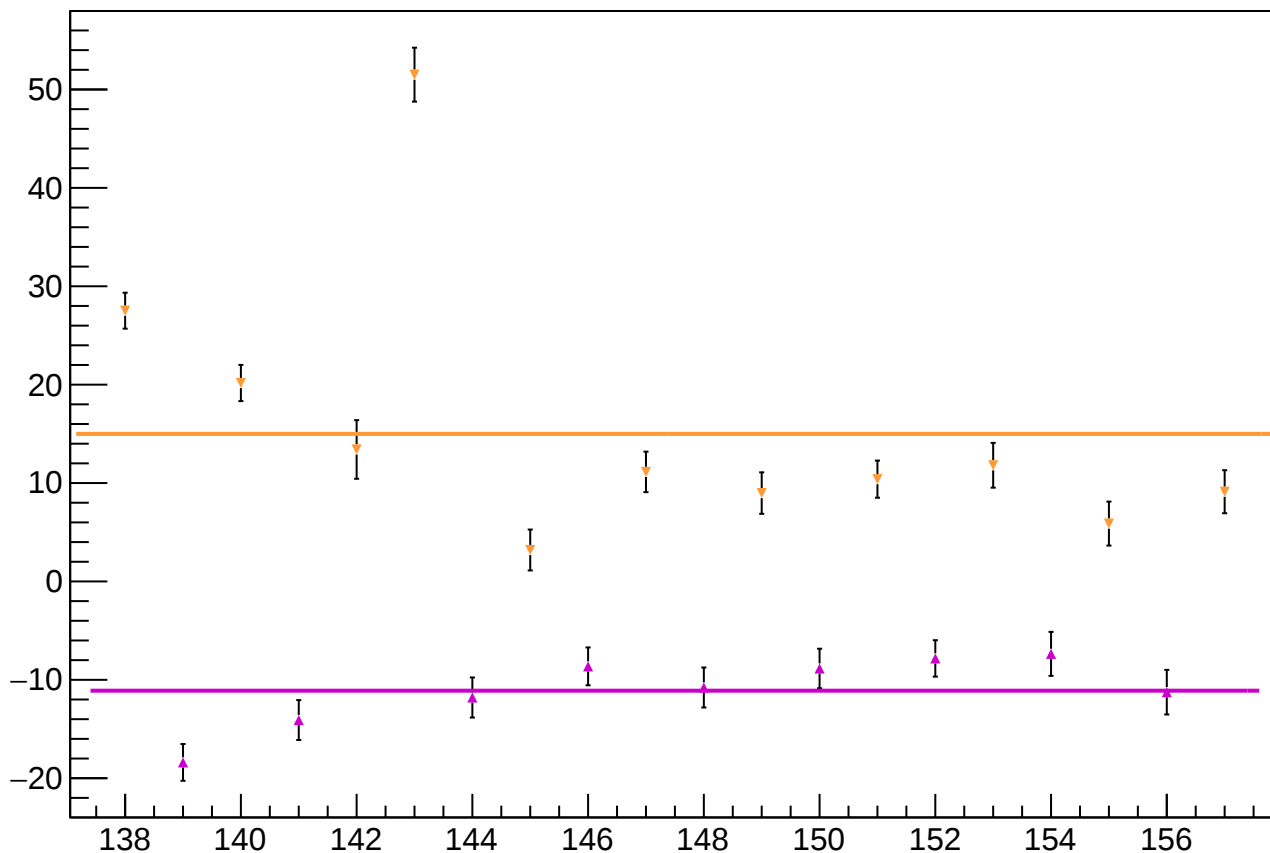
Left In: 23.609 ± 0.028 $\chi^2/\text{NDF}: 139121.9/8$

-22.040 ± 0.023 $\chi^2/\text{NDF}: 663490.4/27$

-0.408 ± 0.016 $\chi^2/\text{NDF}: 3071268.9/56$

22.338 ± 0.024 $\chi^2/\text{NDF}: 580864.0/28$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 14.997+/-0.643 χ^2/NDF : 308.3/10

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

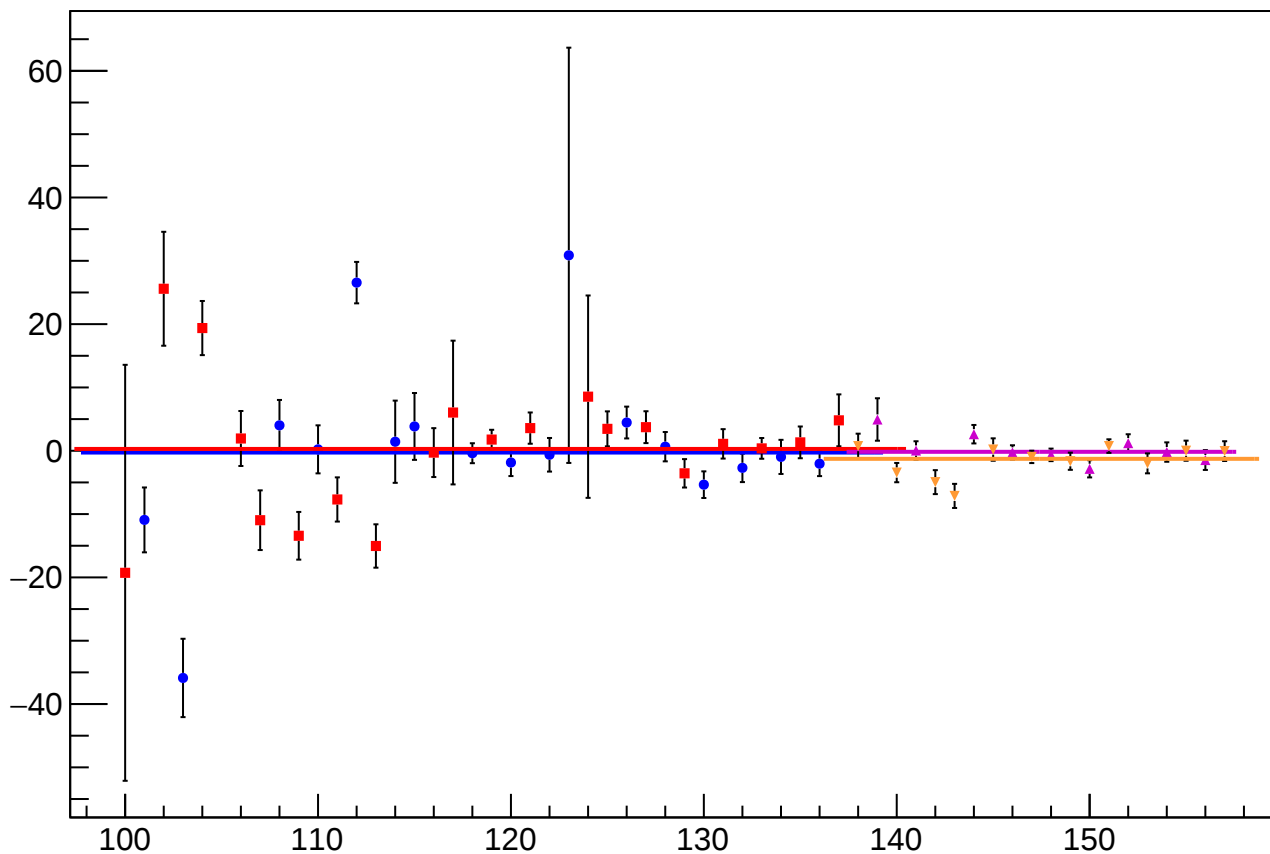
Left In: -11.103+/-0.672 χ^2/NDF : 26.4/8

14.997+/-0.643 χ^2/NDF : 308.3/10

2.510+/-0.465 χ^2/NDF : 1122.0/19

-11.103+/-0.672 χ^2/NDF : 26.4/8

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.280 ± 0.662 χ^2/NDF : 119.5/16

Left Out: -1.274 ± 0.437 χ^2/NDF : 22.2/10

Right Out: 0.289 ± 0.655 χ^2/NDF : 83.4/19

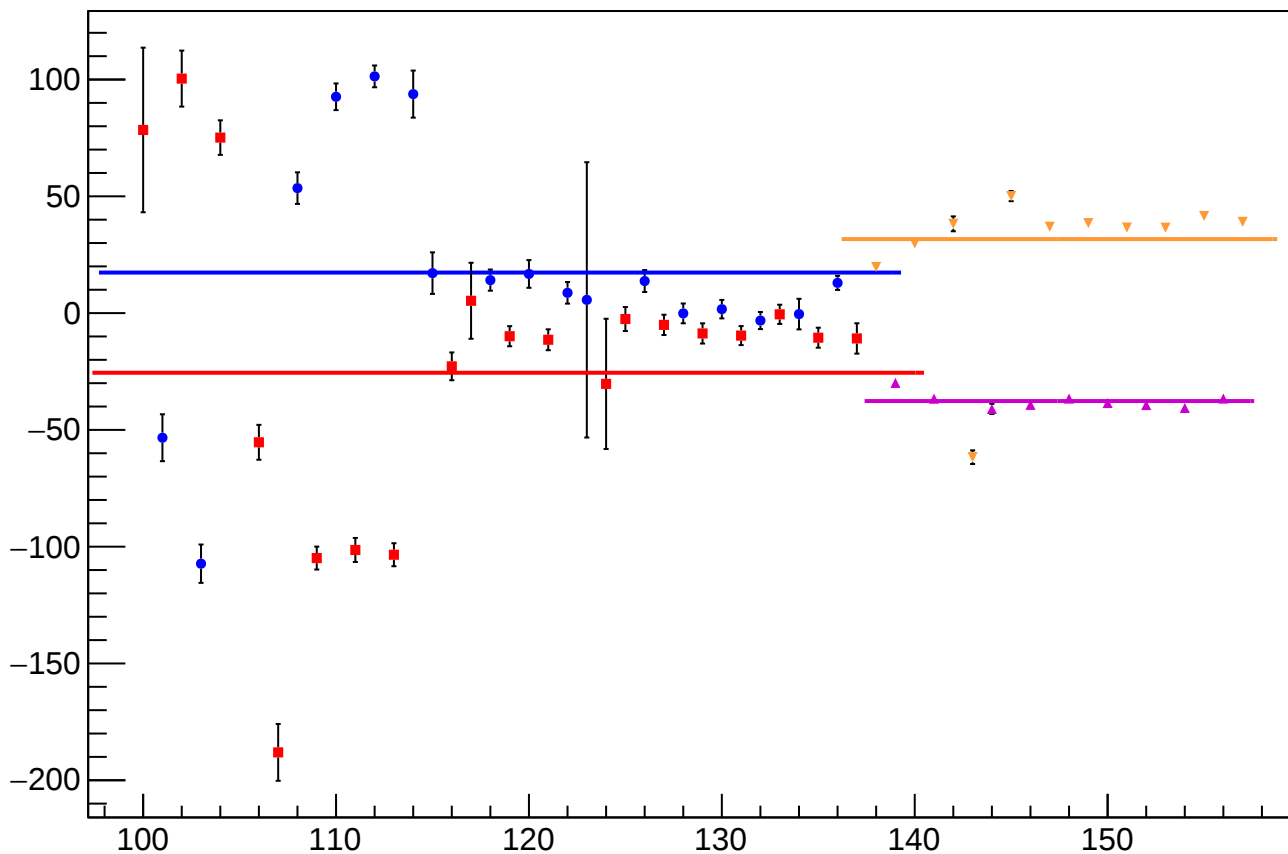
Left In: -0.165 ± 0.460 χ^2/NDF : 11.8/8

-0.973 ± 0.365 χ^2/NDF : 143.3/27

-0.509 ± 0.262 χ^2/NDF : 242.2/56

-0.015 ± 0.377 χ^2/NDF : 95.5/28

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.361 ± 1.247 $\chi^2/\text{NDF}: 943.0/16$

Left Out: 31.690 ± 0.636 $\chi^2/\text{NDF}: 1199.0/10$

Right Out: -25.537 ± 1.239 $\chi^2/\text{NDF}: 1382.4/19$

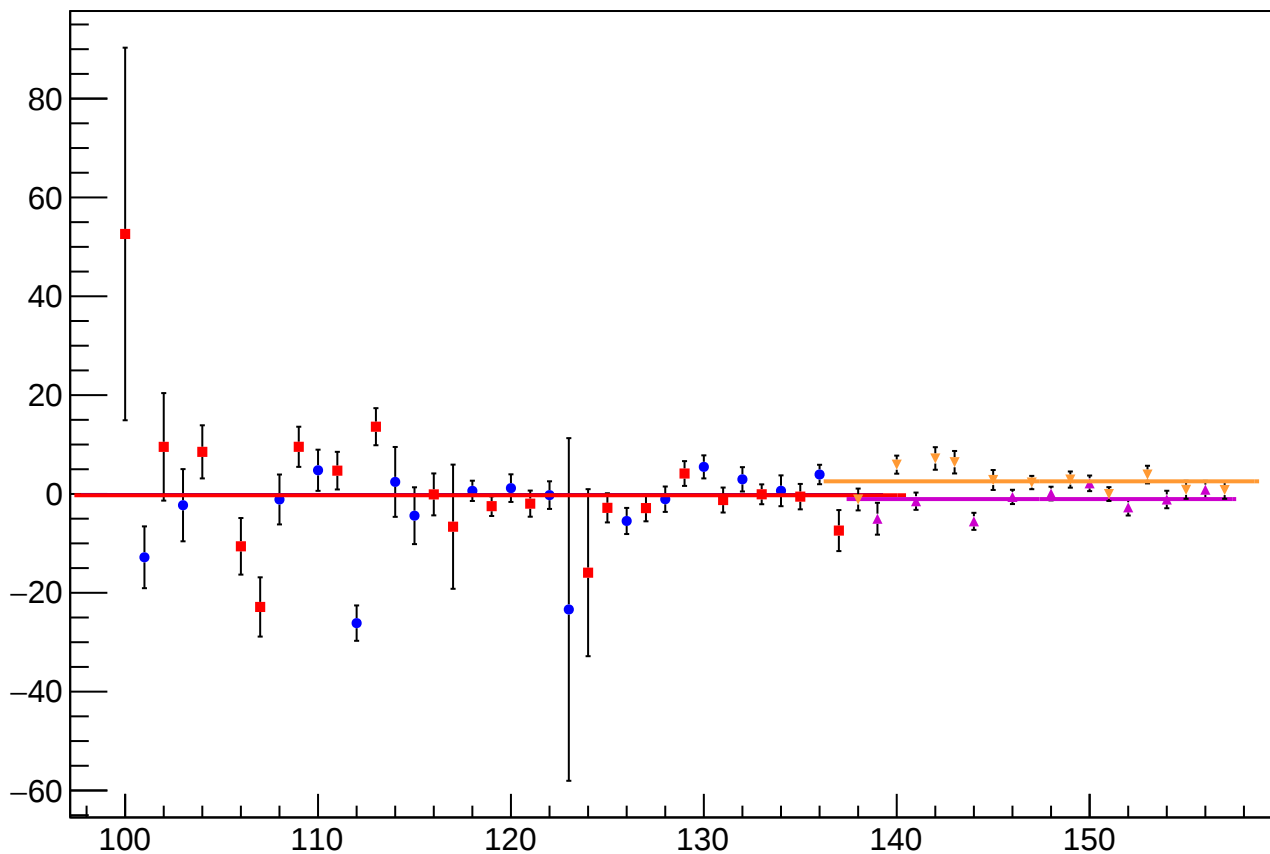
Left In: -37.649 ± 0.660 $\chi^2/\text{NDF}: 21.9/8$

28.735 ± 0.566 $\chi^2/\text{NDF}: 2246.9/27$

-2.233 ± 0.406 $\chi^2/\text{NDF}: 9879.1/56$

-34.976 ± 0.582 $\chi^2/\text{NDF}: 1478.7/28$

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.211 ± 0.752 $\chi^2/\text{NDF}: 75.9/16$

Left Out: 2.556 ± 0.534 $\chi^2/\text{NDF}: 19.1/10$

Right Out: -0.262 ± 0.747 $\chi^2/\text{NDF}: 54.8/19$

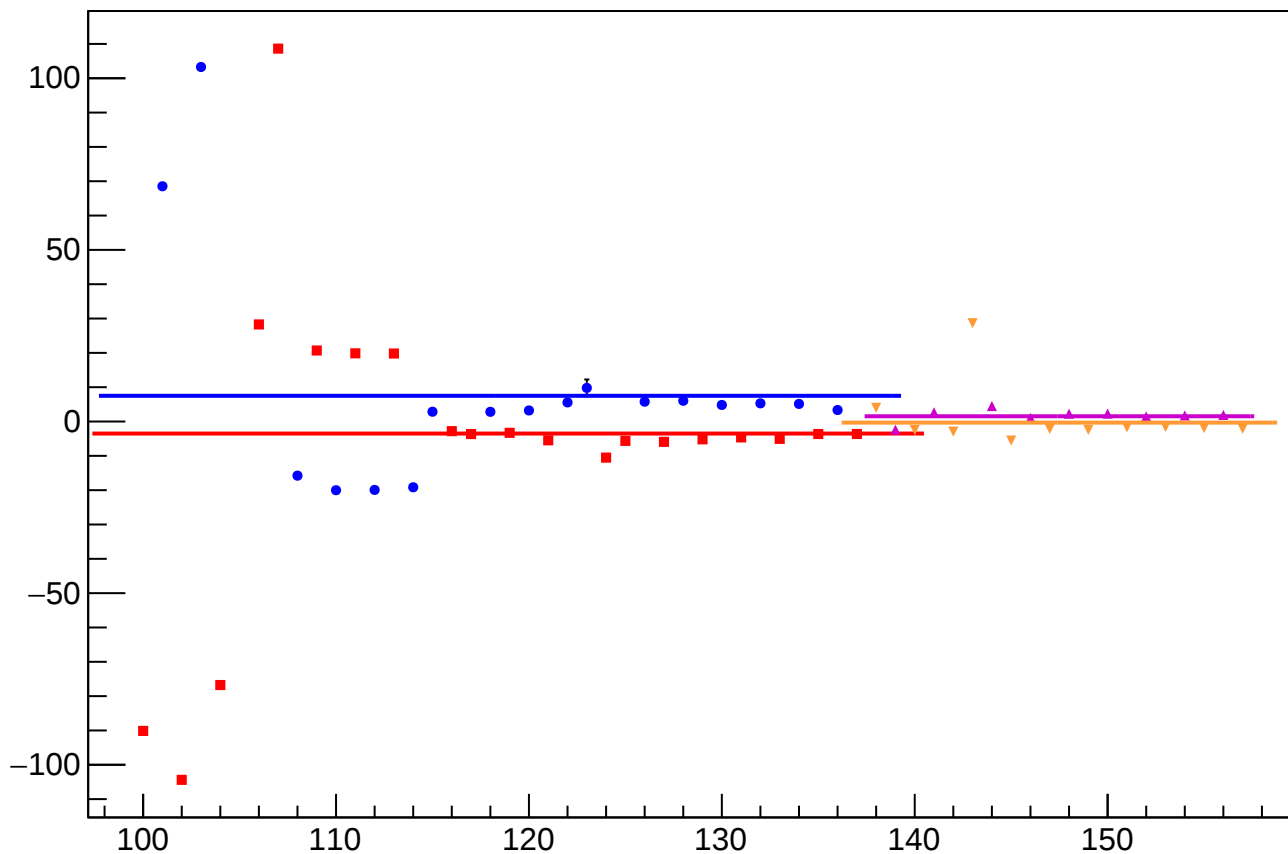
Left In: -1.035 ± 0.562 $\chi^2/\text{NDF}: 15.4/8$

1.627 ± 0.436 $\chi^2/\text{NDF}: 104.0/27$

0.472 ± 0.313 $\chi^2/\text{NDF}: 189.4/56$

-0.756 ± 0.449 $\chi^2/\text{NDF}: 70.8/28$

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 7.492 ± 0.045 χ^2/NDF : 355979.0/16

Left Out: -0.316 ± 0.025 χ^2/NDF : 71883.7/10

Right Out: -3.504 ± 0.046 χ^2/NDF : 510579.5/19

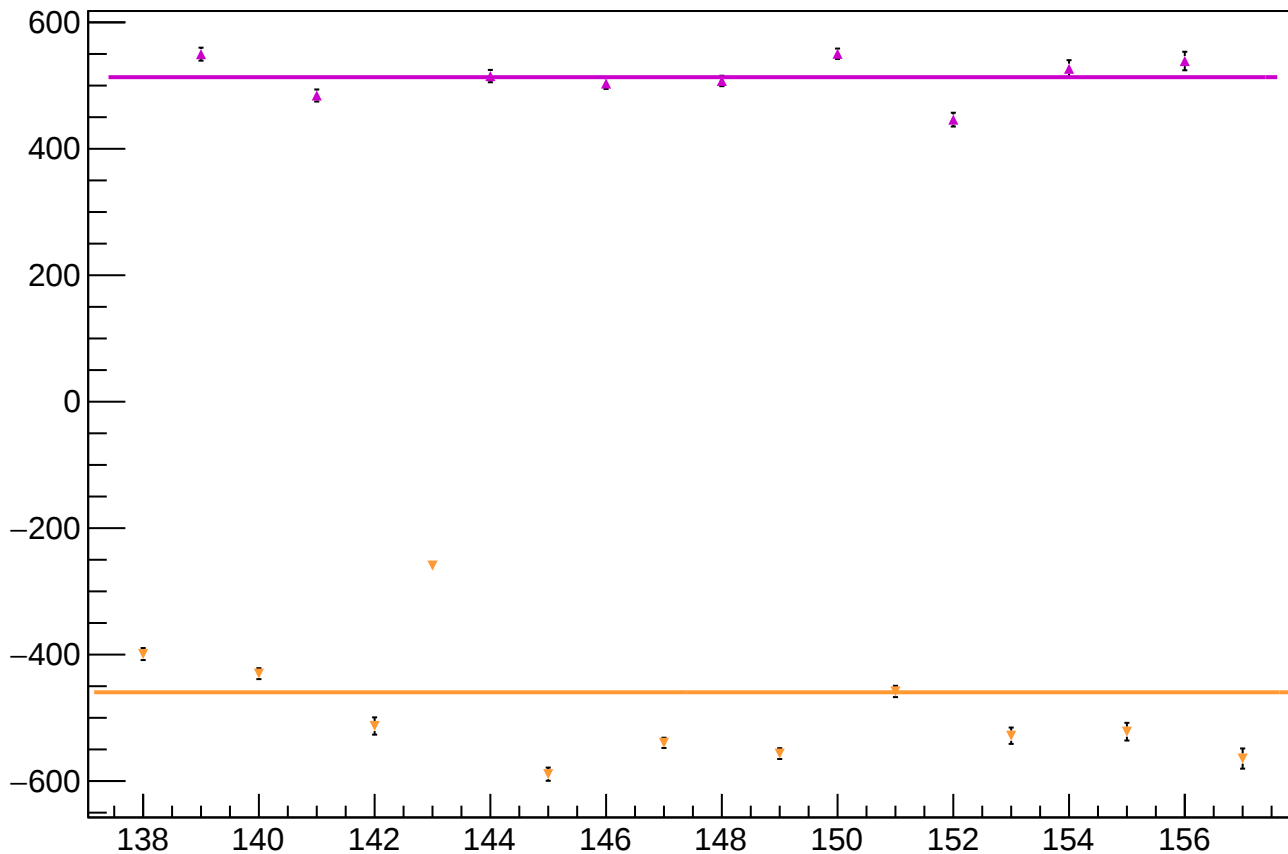
Left In: 1.532 ± 0.026 χ^2/NDF : 4404.7/8

1.559 ± 0.022 χ^2/NDF : 451115.2/27

0.947 ± 0.016 χ^2/NDF : 976943.0/56

0.295 ± 0.023 χ^2/NDF : 524209.5/28

reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -459.604+/-2.942 χ^2/NDF :1352.0/10

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

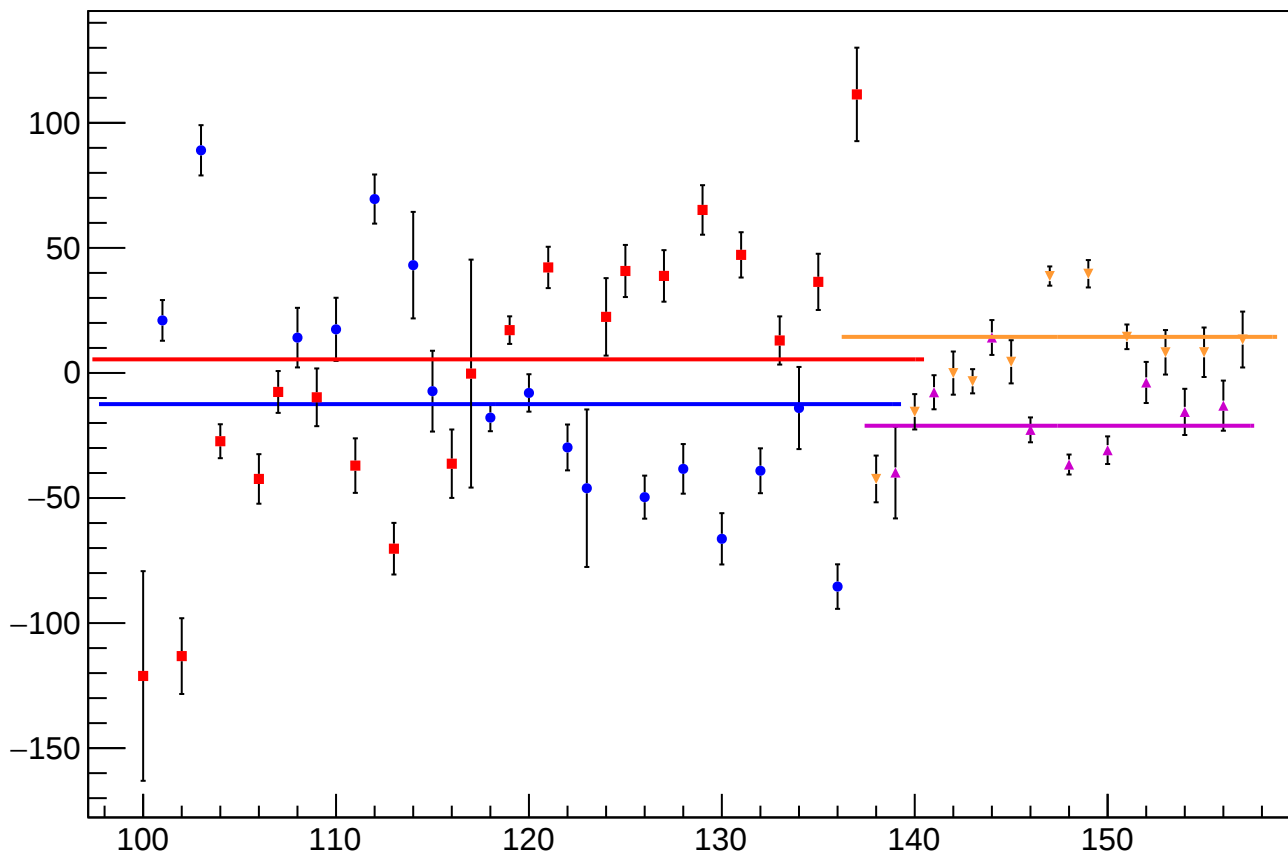
Left In: 513.298+/-3.287 χ^2/NDF :86.0/8

-459.604+/-2.942 χ^2/NDF : 1352.0/10

-26.800+/-2.192 χ^2/NDF : 50082.8/19

513.298+/-3.287 χ^2/NDF : 86.0/8

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -12.458 ± 2.349 χ^2/NDF : 341.1/16

Left Out: 14.431 ± 1.910 χ^2/NDF : 134.6/10

Right Out: 5.439 ± 2.256 χ^2/NDF : 345.0/19

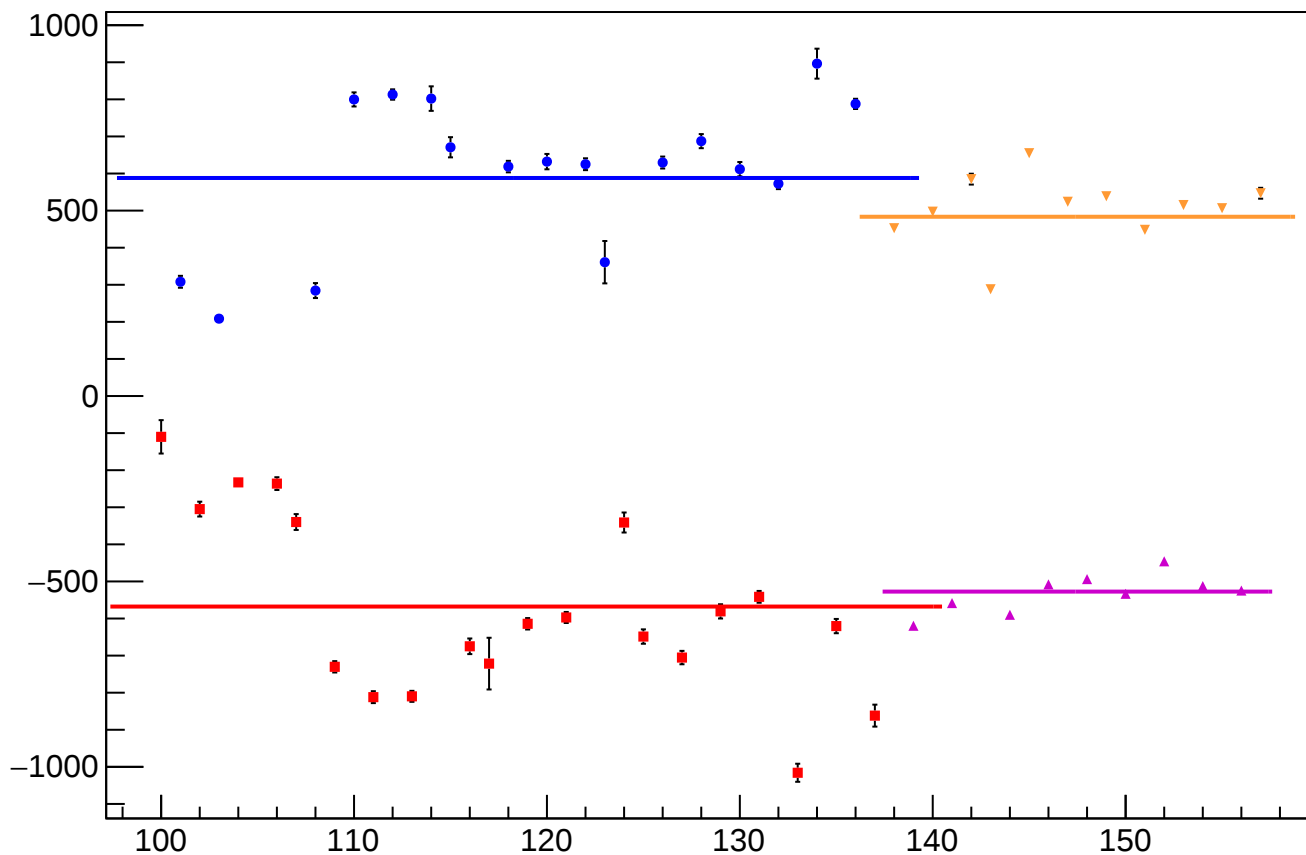
Left In: -21.102 ± 2.144 χ^2/NDF : 54.3/8

3.724 ± 1.482 χ^2/NDF : 554.6/27

-2.101 ± 1.072 χ^2/NDF : 1059.0/56

-8.506 ± 1.554 χ^2/NDF : 472.0/28

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 587.994 +/- 4.353 χ^2/NDF : 2129.6/16

Left Out: 483.434 +/- 2.934 χ^2/NDF : 1104.4/10

Right Out: -567.720 +/- 4.129 χ^2/NDF : 2788.1/19

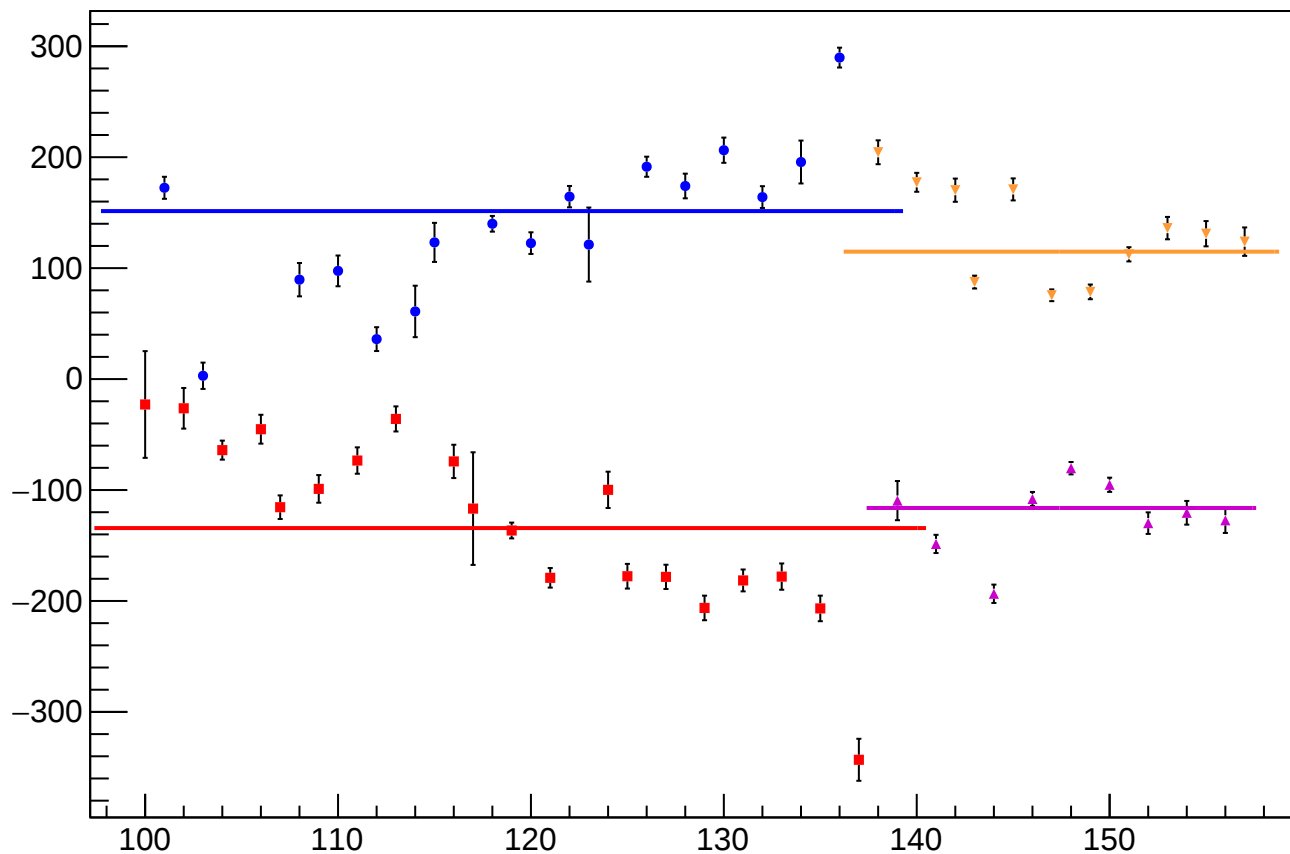
Left In: -527.394 +/- 3.220 χ^2/NDF : 201.3/8

516.103 +/- 2.433 χ^2/NDF : 3630.8/27

9.308 +/- 1.757 χ^2/NDF : 97322.9/56

-542.645 +/- 2.539 χ^2/NDF : 3048.7/28

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: 114.851 ± 2.373 χ^2/NDF : 297.1/10

Right Out: -134.299 ± 2.612 χ^2/NDF : 585.0/19

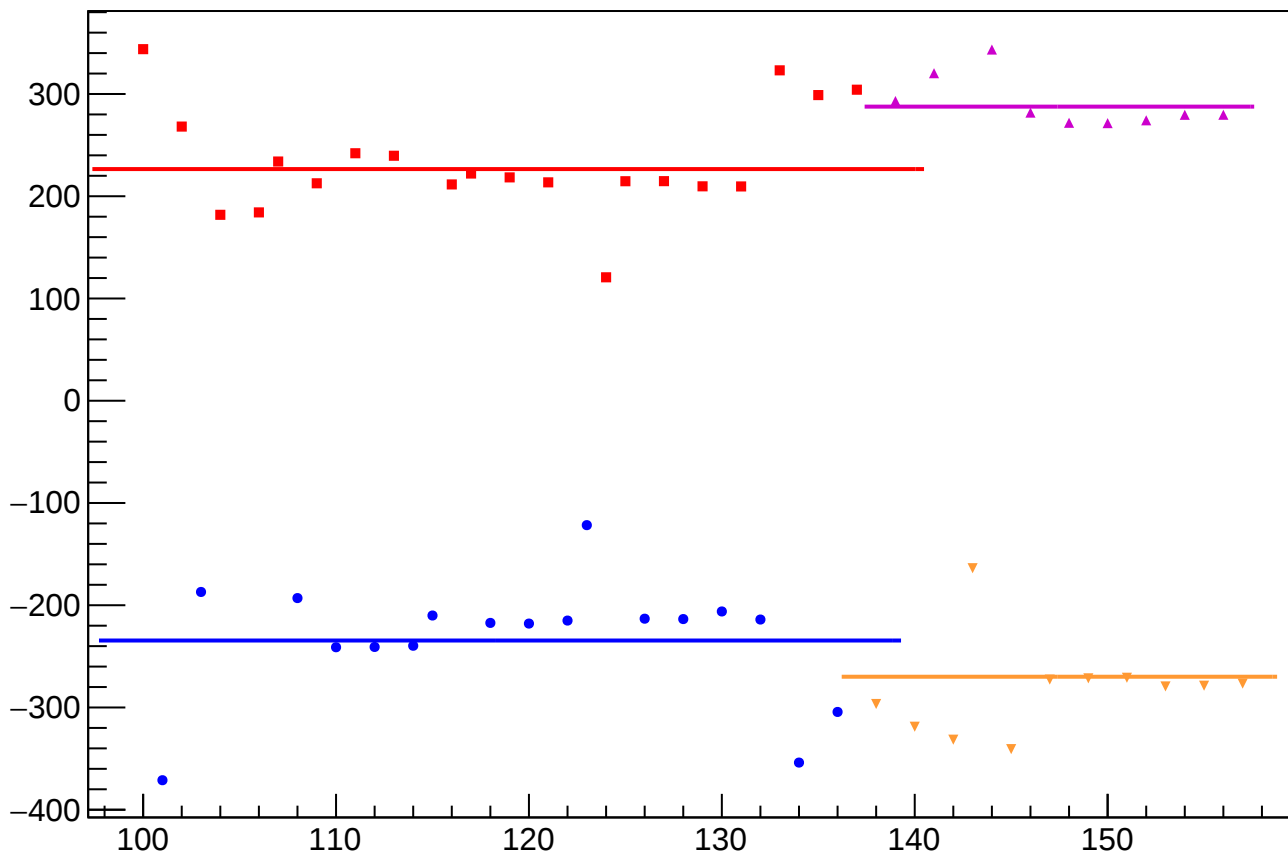
Left In: -116.188 ± 2.665 χ^2/NDF : 159.8/8

130.731 ± 1.785 χ^2/NDF : 1033.5/27

8.284 ± 1.290 χ^2/NDF : 11643.6/56

-125.426 ± 1.866 χ^2/NDF : 768.3/28

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -234.501 $\pm$ 0.149 χ^2 /NDF: 145046.5/16

Left Out: -269.924 $\pm$ 0.120 χ^2 /NDF:182237.6/10

Right Out: 226.572 $\pm$ 0.141 χ^2 /NDF: 98970.7/19

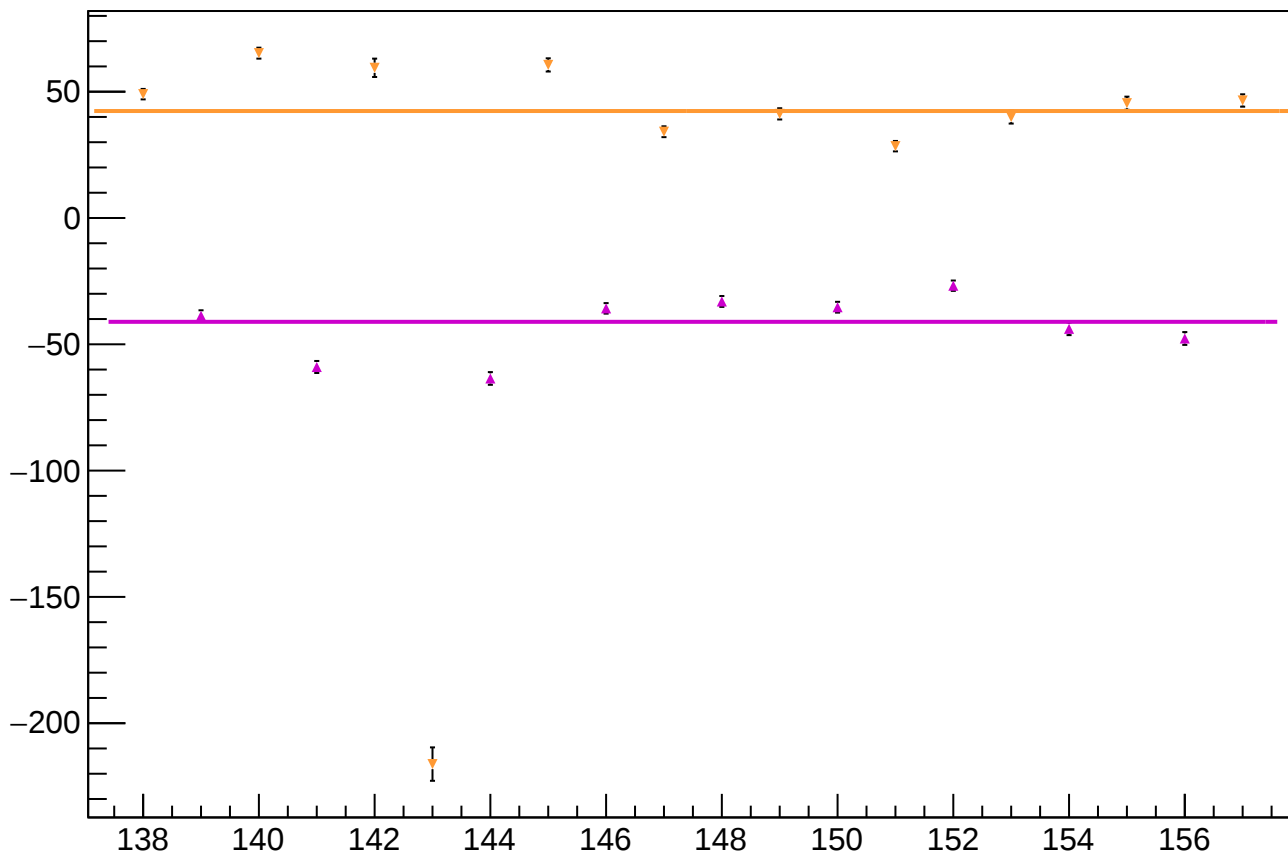
Left In: 287.648 $\pm$ 0.131 χ^2 /NDF:28008.1/8

-255.943 $\pm$ 0.094 χ^2 /NDF: 361482.2/27

-4.459 $\pm$ 0.067 χ^2 /NDF: 15376421.9/56

259.491 $\pm$ 0.096 χ^2 /NDF: 227721.7/28

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 42.346+/-0.743 χ^2/NDF :1786.6/10

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

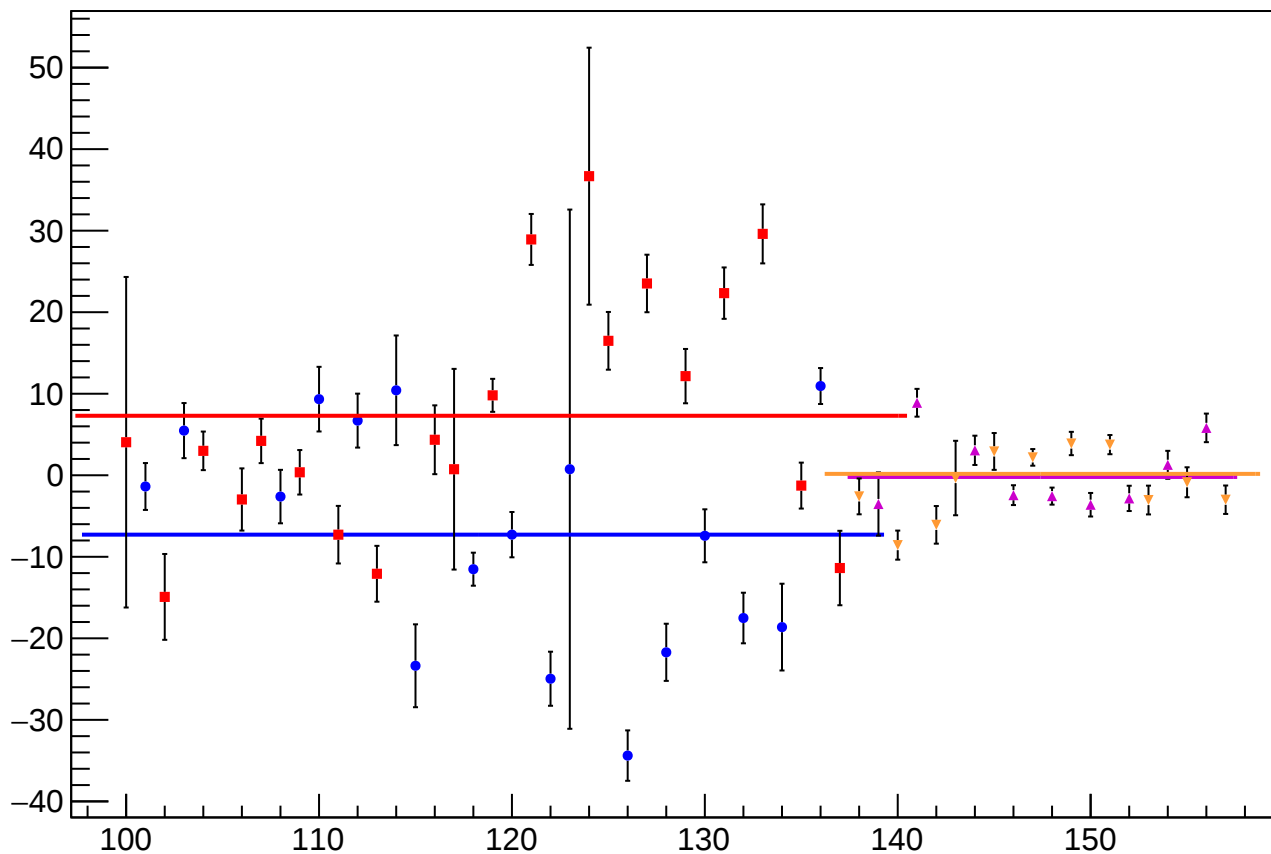
Left In: -41.102+/-0.752 χ^2/NDF :221.9/8

42.346+/-0.743 χ^2/NDF : 1786.6/10

1.153+/-0.529 χ^2/NDF : 8238.4/19

-41.102+/-0.752 χ^2/NDF : 221.9/8

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.284 ± 0.789 χ^2/NDF : 283.2/16

Left Out: 0.170 ± 0.496 χ^2/NDF : 61.4/10

Right Out: 7.298 ± 0.759 χ^2/NDF : 255.6/19

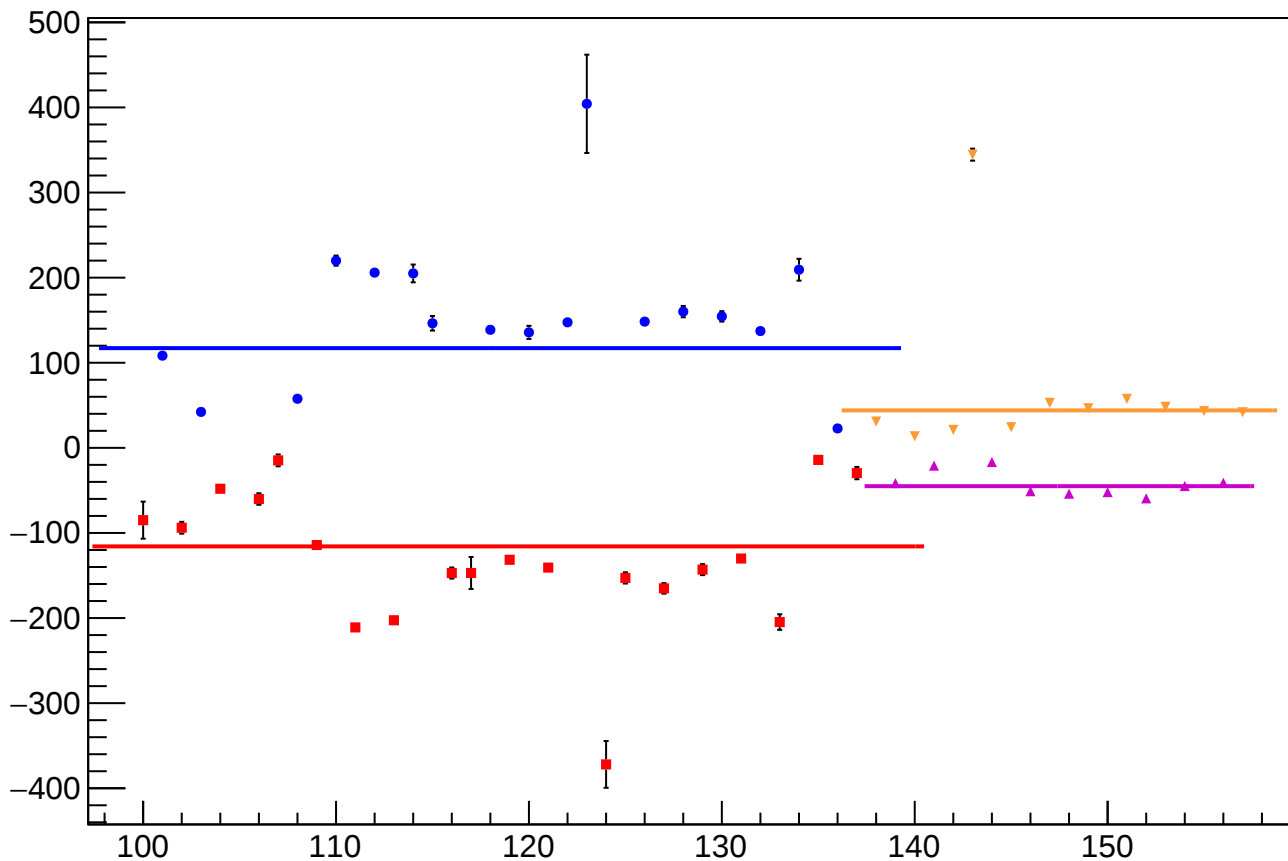
Left In: -0.207 ± 0.508 χ^2/NDF : 61.9/8

-1.940 ± 0.420 χ^2/NDF : 408.6/27

0.074 ± 0.298 χ^2/NDF : 840.0/56

2.114 ± 0.422 χ^2/NDF : 385.0/28

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: 44.010 ± 0.728 χ^2/NDF : 2179.8/10

Right Out: -115.795 ± 1.357 χ^2/NDF : 2140.4/19

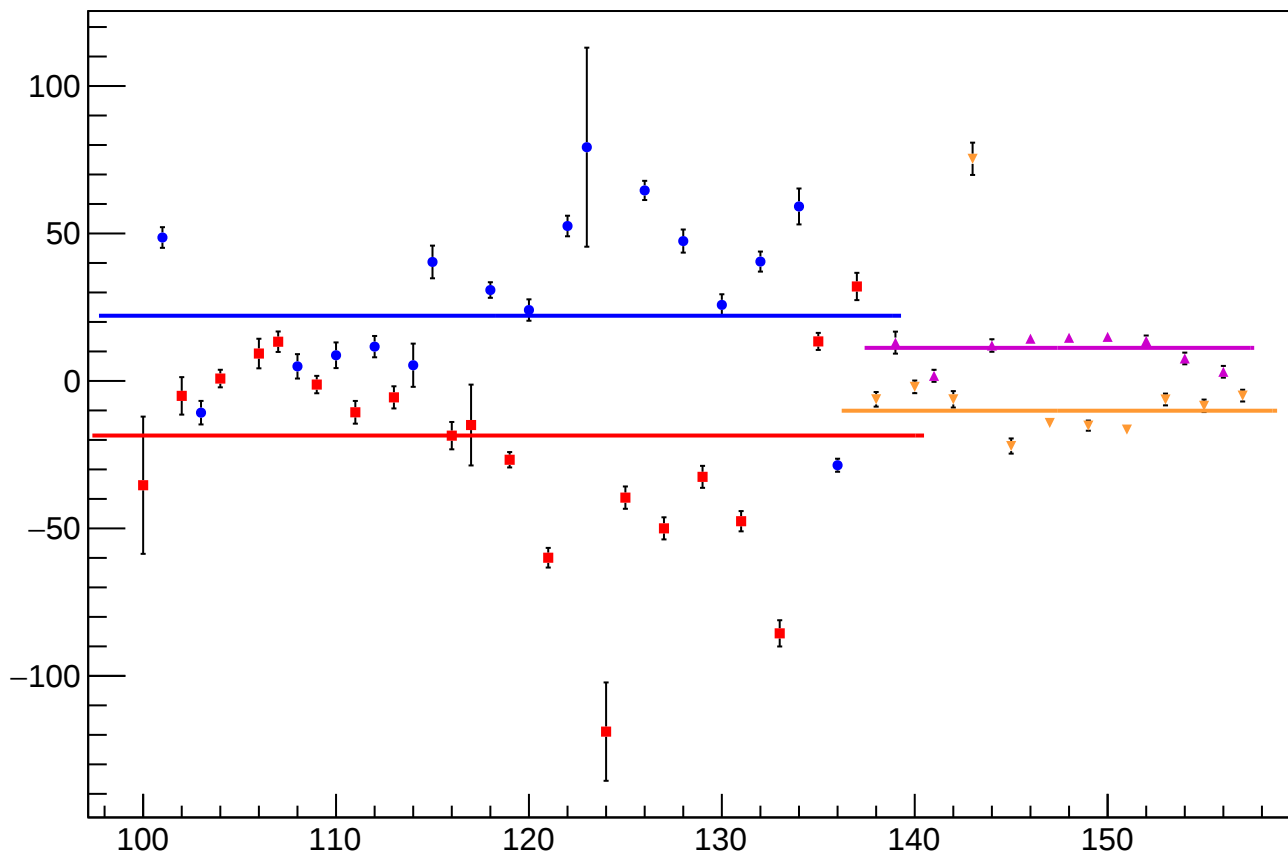
Left In: -45.032 ± 0.735 χ^2/NDF : 301.2/8

59.300 ± 0.647 χ^2/NDF : 6452.4/27

-0.975 ± 0.457 χ^2/NDF : 28306.0/56

-61.084 ± 0.647 χ^2/NDF : 4542.5/28

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.110 ± 0.898 χ^2/NDF : 1070.3/16

Left Out: -10.093 ± 0.610 χ^2/NDF : 329.2/10

Right Out: -18.506 ± 0.869 χ^2/NDF : 1068.6/19

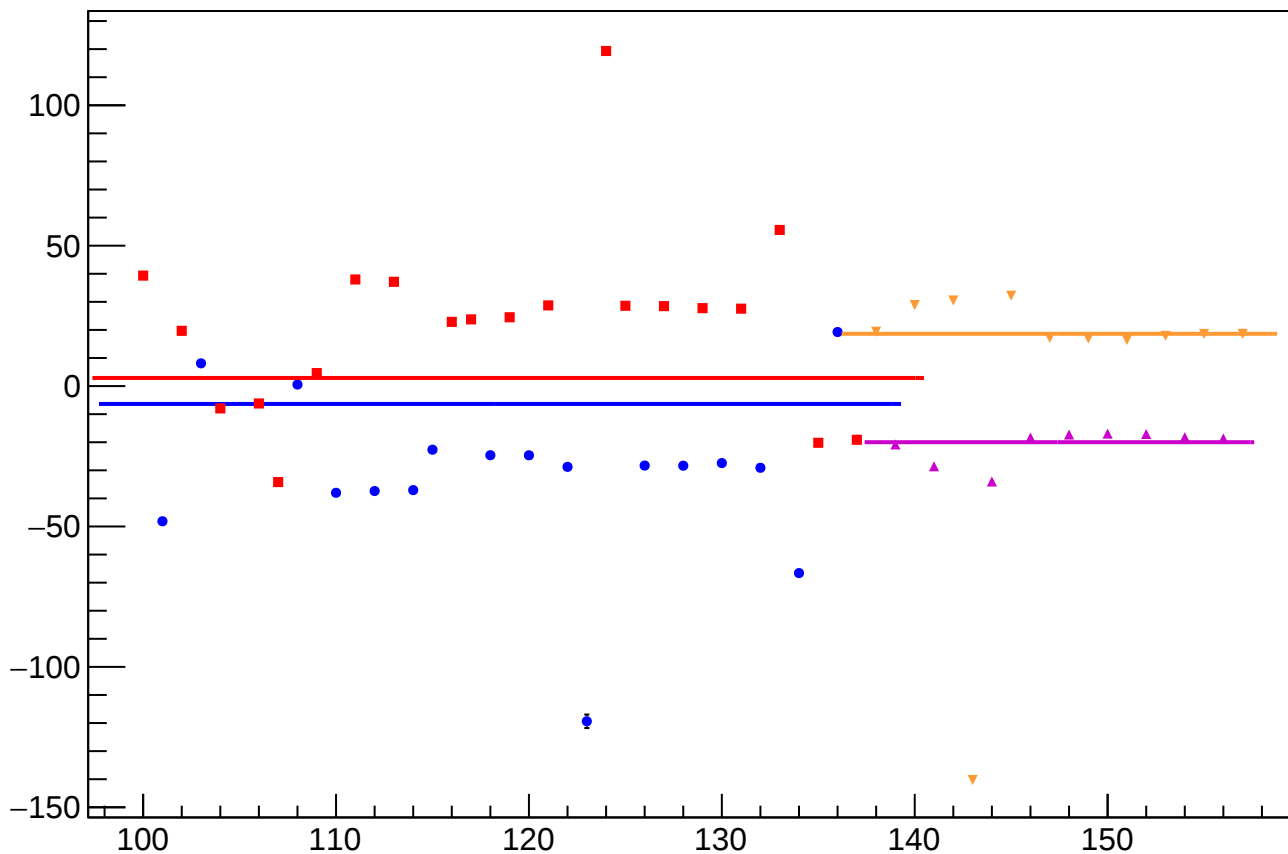
Left In: 11.215 ± 0.623 χ^2/NDF : 57.8/8

0.076 ± 0.505 χ^2/NDF : 2279.1/27

0.598 ± 0.358 χ^2/NDF : 4179.6/56

1.124 ± 0.507 χ^2/NDF : 1898.3/28

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.360 ± 0.046 χ^2/NDF : 264750.9/16

Left Out: 18.619 ± 0.029 χ^2/NDF : 348554.0/10

Right Out: 2.896 ± 0.046 χ^2/NDF : 266162.6/19

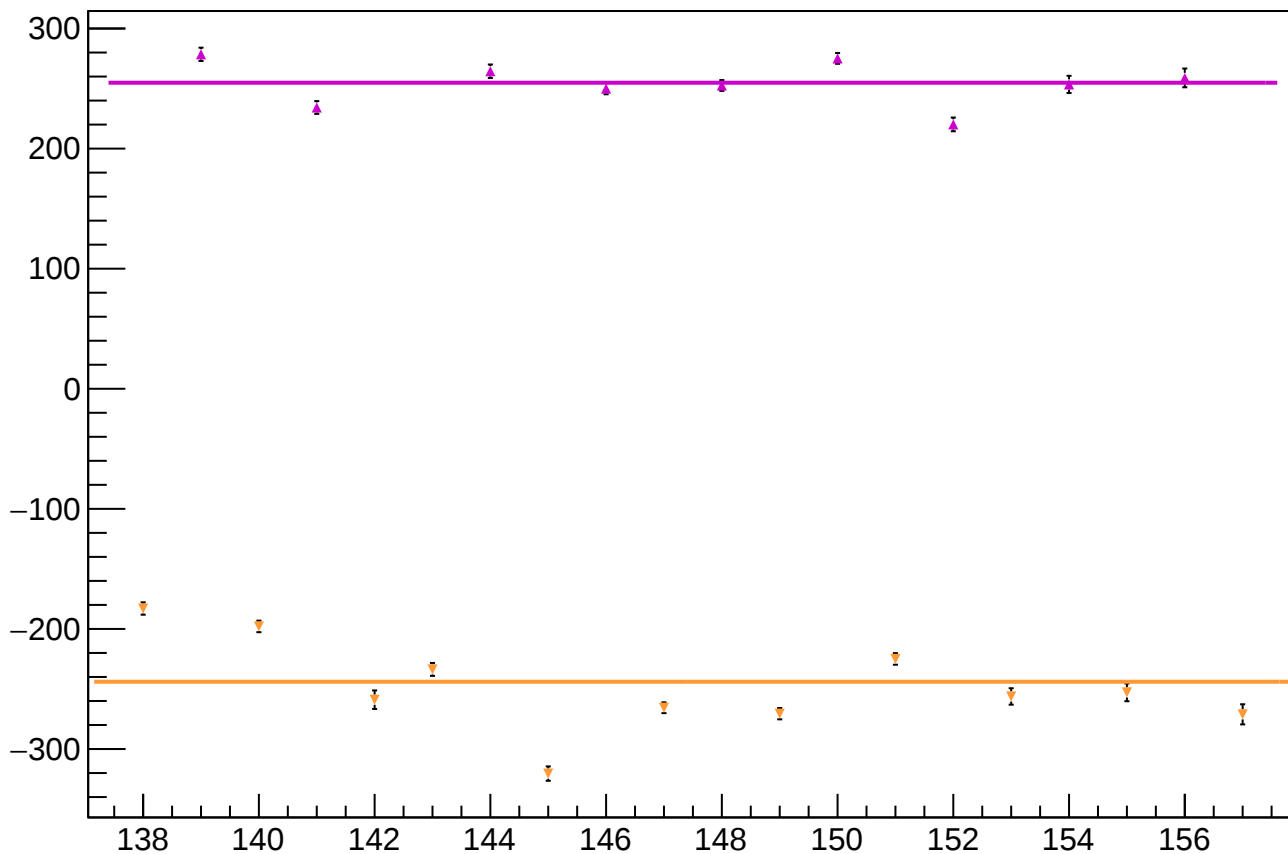
Left In: -19.982 ± 0.029 χ^2/NDF : 26102.6/8

11.626 ± 0.025 χ^2/NDF : 822758.7/27

-0.878 ± 0.017 χ^2/NDF : 1814525.0/56

-13.393 ± 0.025 χ^2/NDF : 470849.4/28

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -243.973+/-1.687 χ^2/NDF : 487.5/10

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

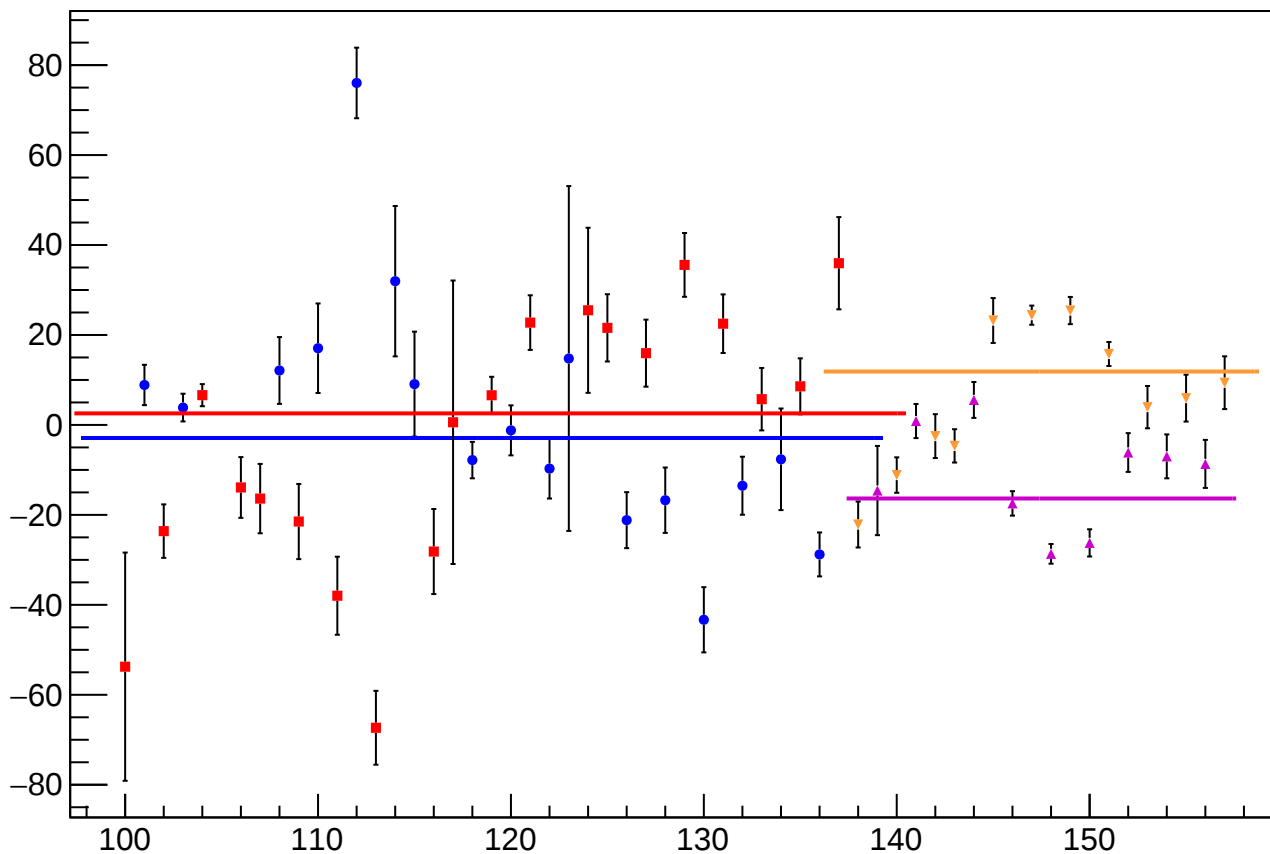
Left In: 254.849+/-1.796 χ^2/NDF : 95.0/8

-243.973+/-1.687 χ^2/NDF : 487.5/10

-10.125+/-1.230 χ^2/NDF : 41553.4/19

254.849+/-1.796 χ^2/NDF : 95.0/8

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.901+/-1.467 χ^2/NDF : 203.6/16

Left Out: 11.877+/-1.092 χ^2/NDF :173.4/10

Right Out: 2.566+/-1.395 χ^2/NDF : 218.2/19

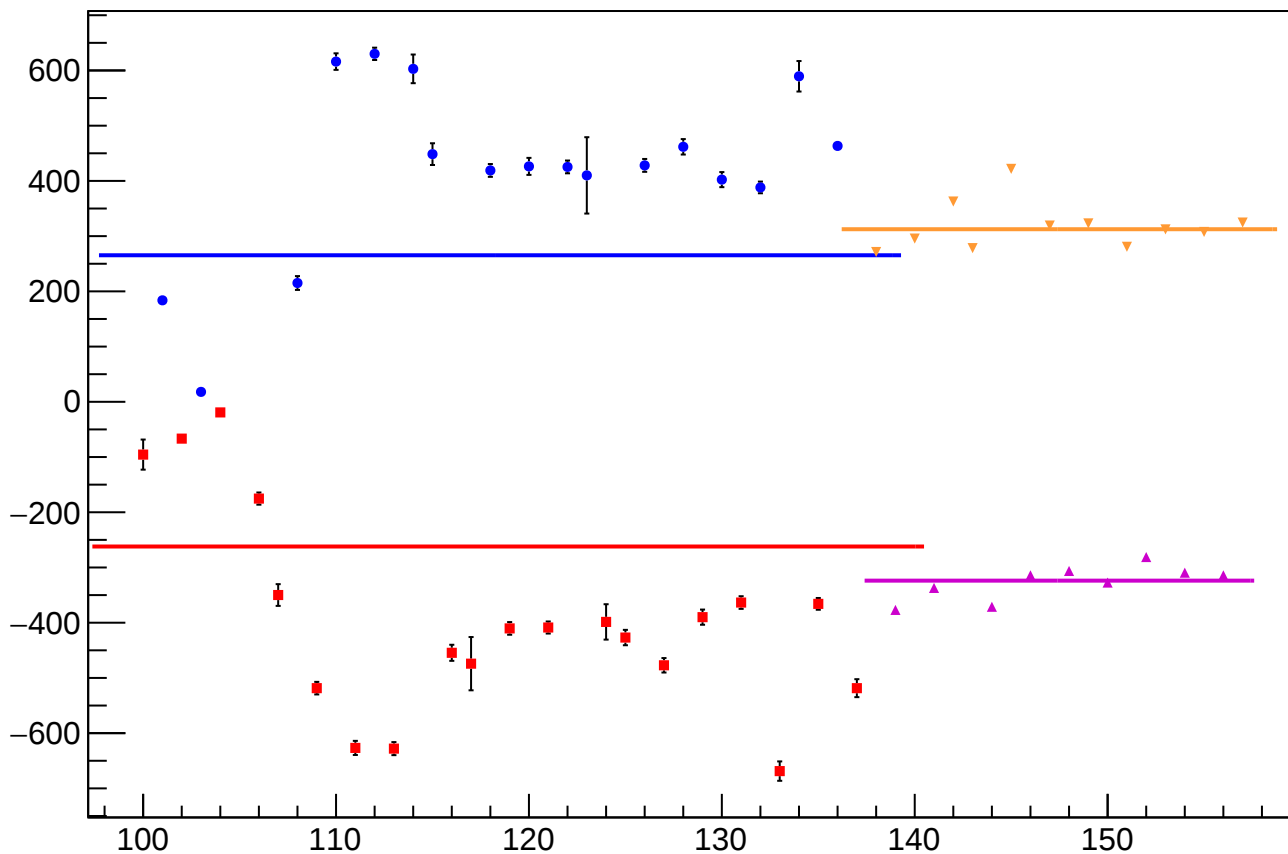
Left In: -16.354+/-1.173 χ^2/NDF :104.7/8

6.611+/-0.876 χ^2/NDF : 442.3/27

-0.769+/-0.627 χ^2/NDF : 1018.6/56

-8.521+/-0.898 χ^2/NDF : 430.7/28

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 265.369 ± 2.488 $\chi^2/\text{NDF}: 7633.8/16$

Left Out: 312.517 ± 1.670 $\chi^2/\text{NDF}: 498.5/10$

Right Out: -262.016 ± 2.455 $\chi^2/\text{NDF}: 8223.7/19$

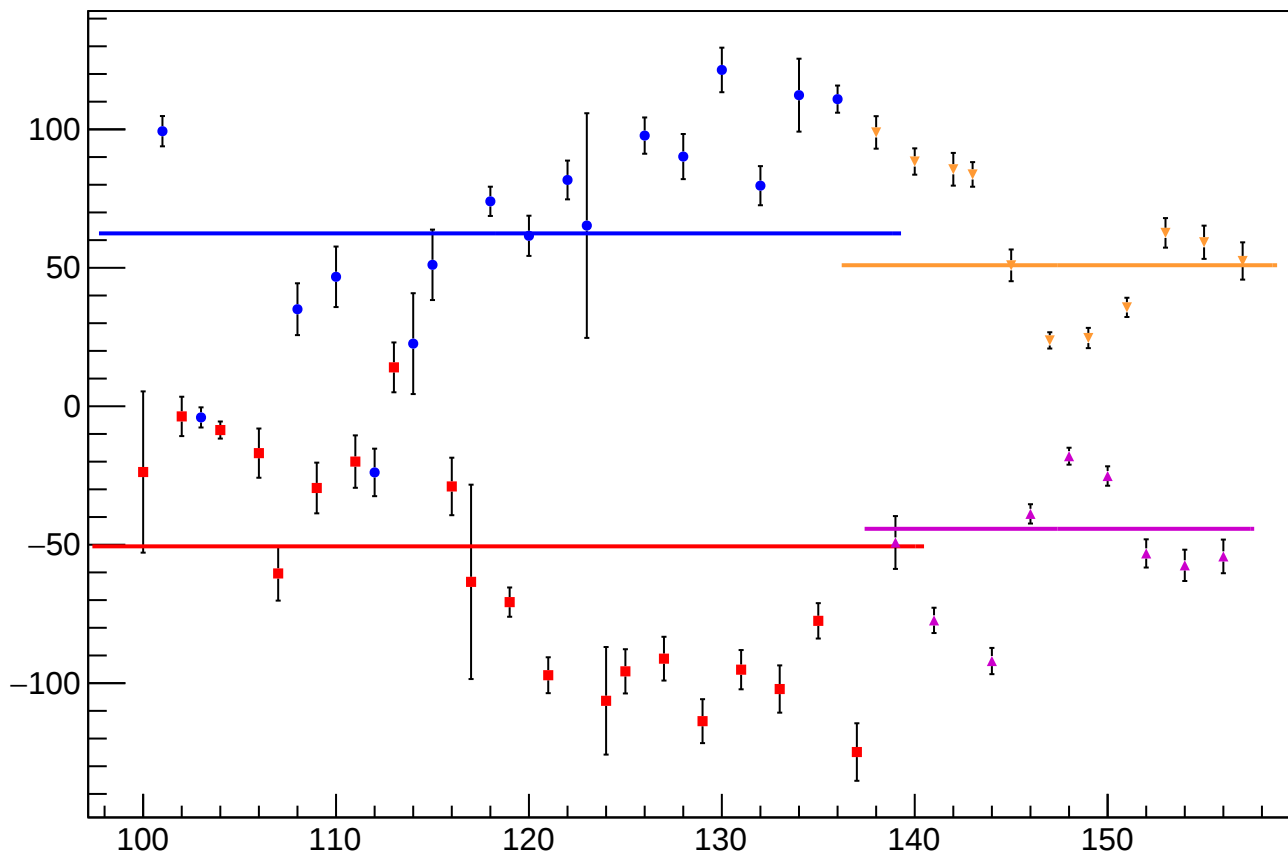
Left In: -323.825 ± 1.757 $\chi^2/\text{NDF}: 235.3/8$

297.869 ± 1.387 $\chi^2/\text{NDF}: 8379.8/27$

6.462 ± 0.995 $\chi^2/\text{NDF}: 108287.6/56$

-302.884 ± 1.429 $\chi^2/\text{NDF}: 8878.2/28$

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 62.434+/-1.694 χ^2/NDF : 721.8/16

Left Out: 50.934+/-1.359 χ^2/NDF : 380.6/10

Right Out: -50.588+/-1.640 χ^2/NDF : 657.5/19

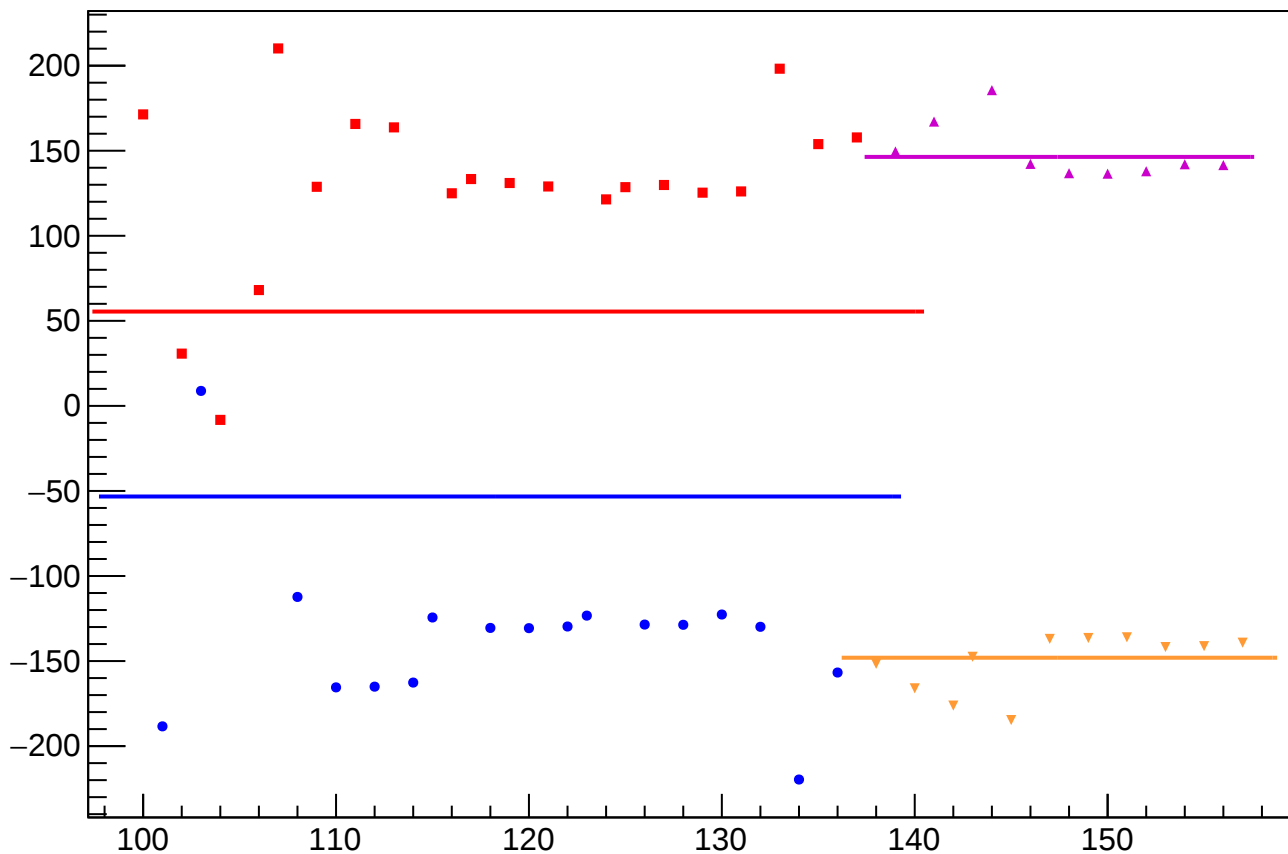
Left In: -44.254+/-1.457 χ^2/NDF : 271.0/8

55.438+/-1.060 χ^2/NDF : 1130.4/27

5.598+/-0.760 χ^2/NDF : 6613.2/56

-47.049+/-1.089 χ^2/NDF : 936.8/28

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -53.264 ± 0.070 $\chi^2/\text{NDF}: 1225492.9/16$

Left Out: -148.041 ± 0.068 $\chi^2/\text{NDF}: 48761.6/10$

Right Out: 55.455 ± 0.072 $\chi^2/\text{NDF}: 968274.5/19$

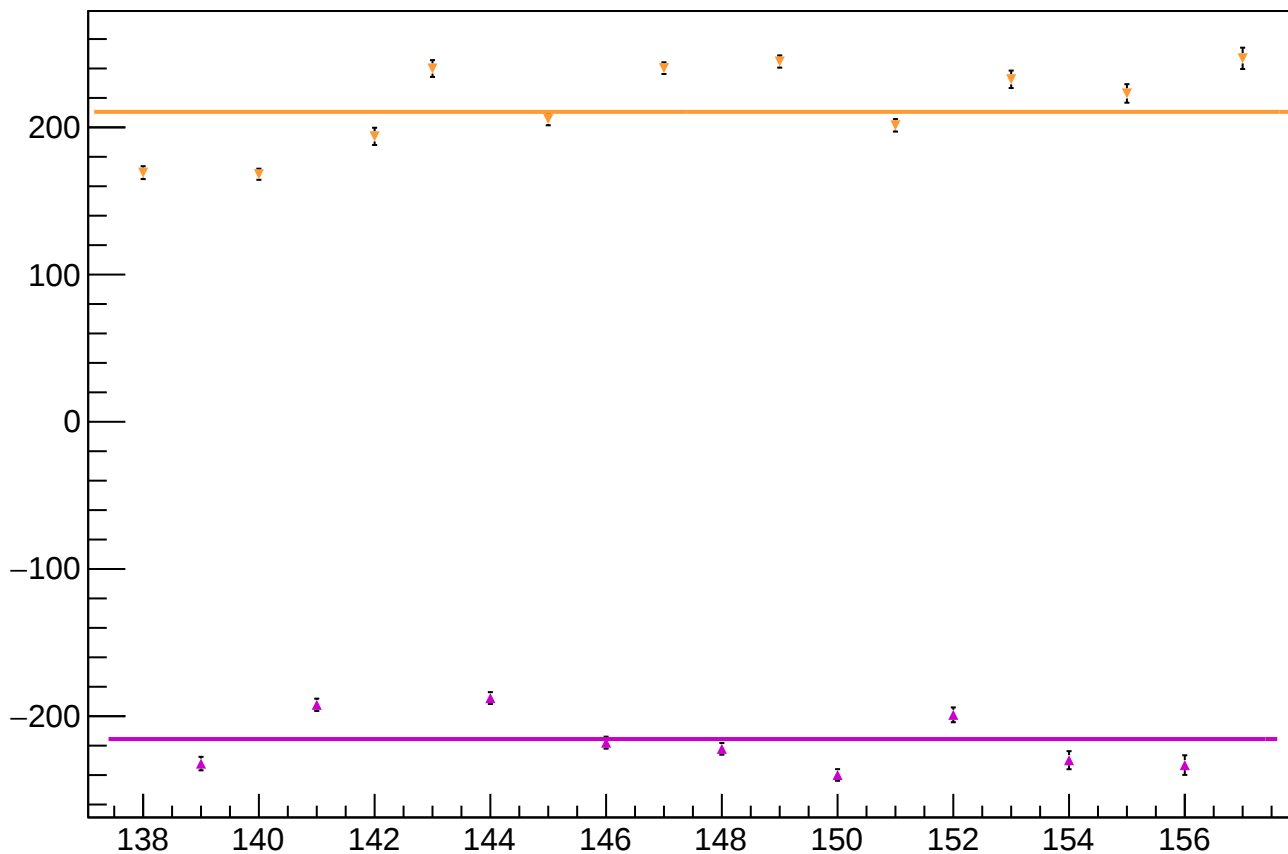
Left In: 146.371 ± 0.071 $\chi^2/\text{NDF}: 39275.0/8$

-102.018 ± 0.049 $\chi^2/\text{NDF}: 2206269.3/27$

-3.343 ± 0.035 $\chi^2/\text{NDF}: 12360771.9/56$

101.431 ± 0.051 $\chi^2/\text{NDF}: 1815818.9/28$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 210.533+/-1.433 χ^2/NDF : 421.3/10

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

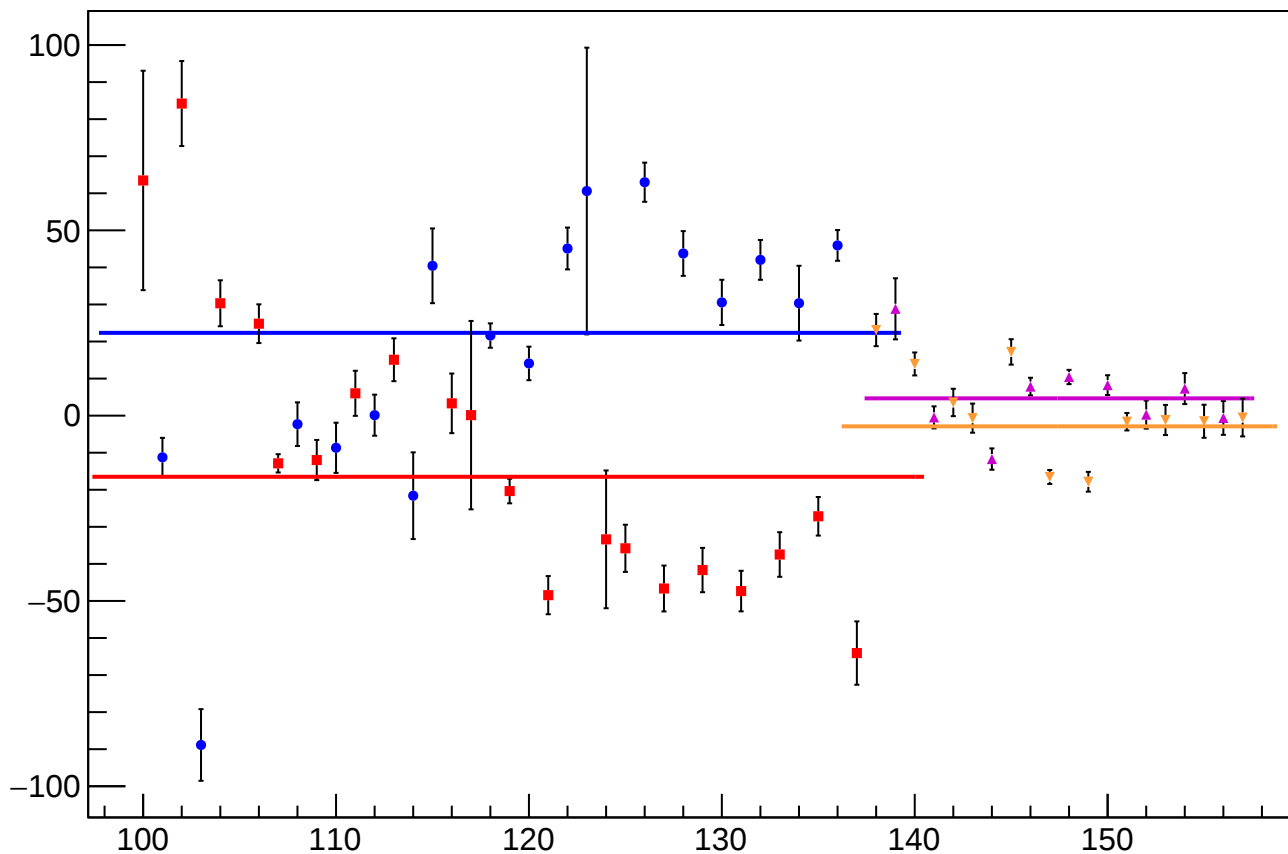
Left In: -215.509+/-1.504 χ^2/NDF : 156.3/8

210.533+/-1.433 χ^2/NDF : 421.3/10

7.872+/-1.037 χ^2/NDF : 42639.7/19

-215.509+/-1.504 χ^2/NDF : 156.3/8

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.342 $\pm$ 1.395 χ^2 /NDF: 385.8/16

Left Out: -2.891 $\pm$ 0.940 χ^2 /NDF: 187.5/10

Right Out: -16.498 $\pm$ 1.226 χ^2 /NDF: 427.0/19

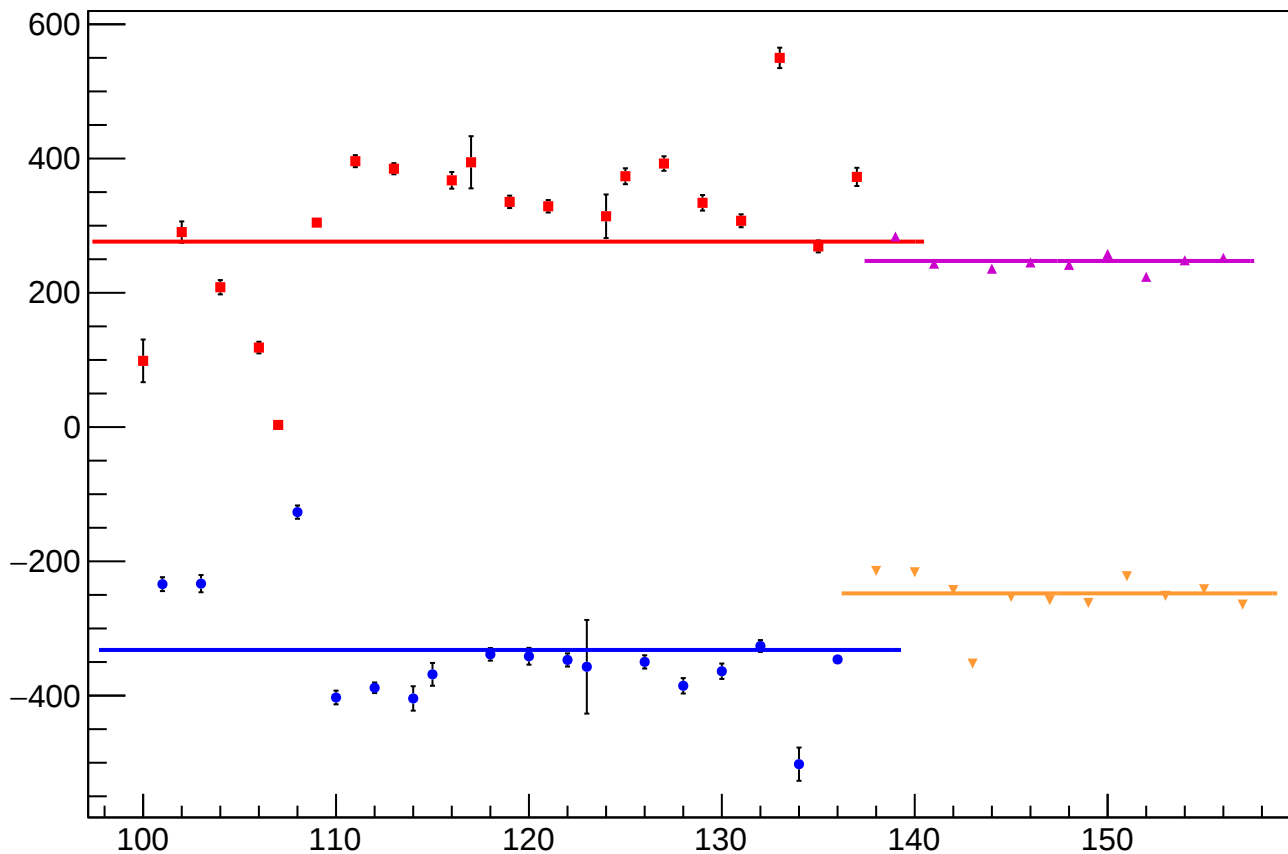
Left In: 4.663 $\pm$ 0.996 χ^2 /NDF: 59.5/8

4.988 $\pm$ 0.780 χ^2 /NDF: 798.3/27

0.582 $\pm$ 0.549 χ^2 /NDF: 1527.7/56

-3.749 $\pm$ 0.773 χ^2 /NDF: 666.1/28

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -331.989+/-2.580 χ^2/NDF : 785.0/16

Left Out: -247.721+/-1.425 χ^2/NDF : 475.1/10

Right Out: 276.265+/-2.320 χ^2/NDF : 3371.5/19

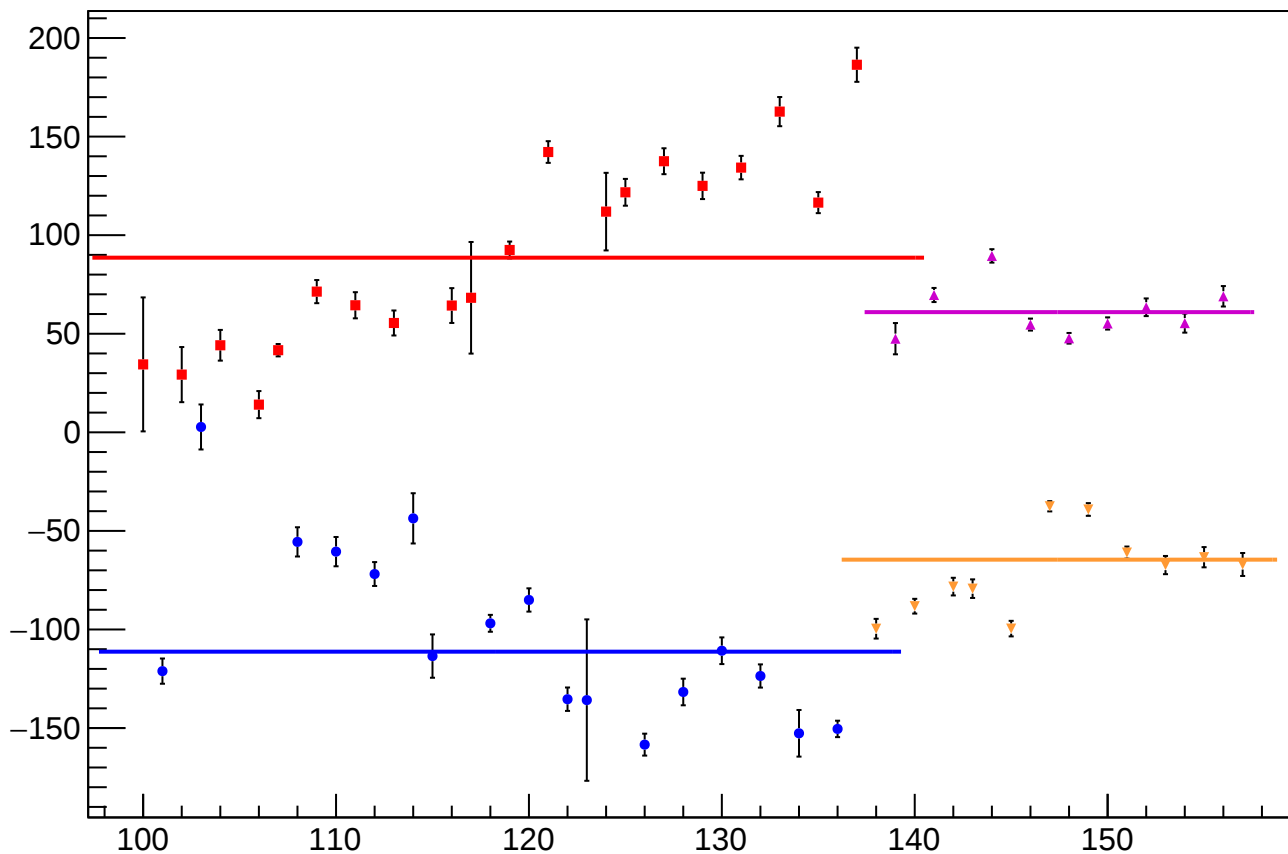
Left In: 247.441+/-1.482 χ^2/NDF : 96.9/8

-267.417+/-1.247 χ^2/NDF : 2077.4/27

-6.097+/-0.883 χ^2/NDF : 93523.0/56

255.789+/-1.249 χ^2/NDF : 3578.0/28

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -111.257 ± 1.597 χ^2/NDF : 509.6/16

Left Out: -64.585 ± 1.166 χ^2/NDF : 359.4/10

Right Out: 88.581 ± 1.431 χ^2/NDF : 971.5/19

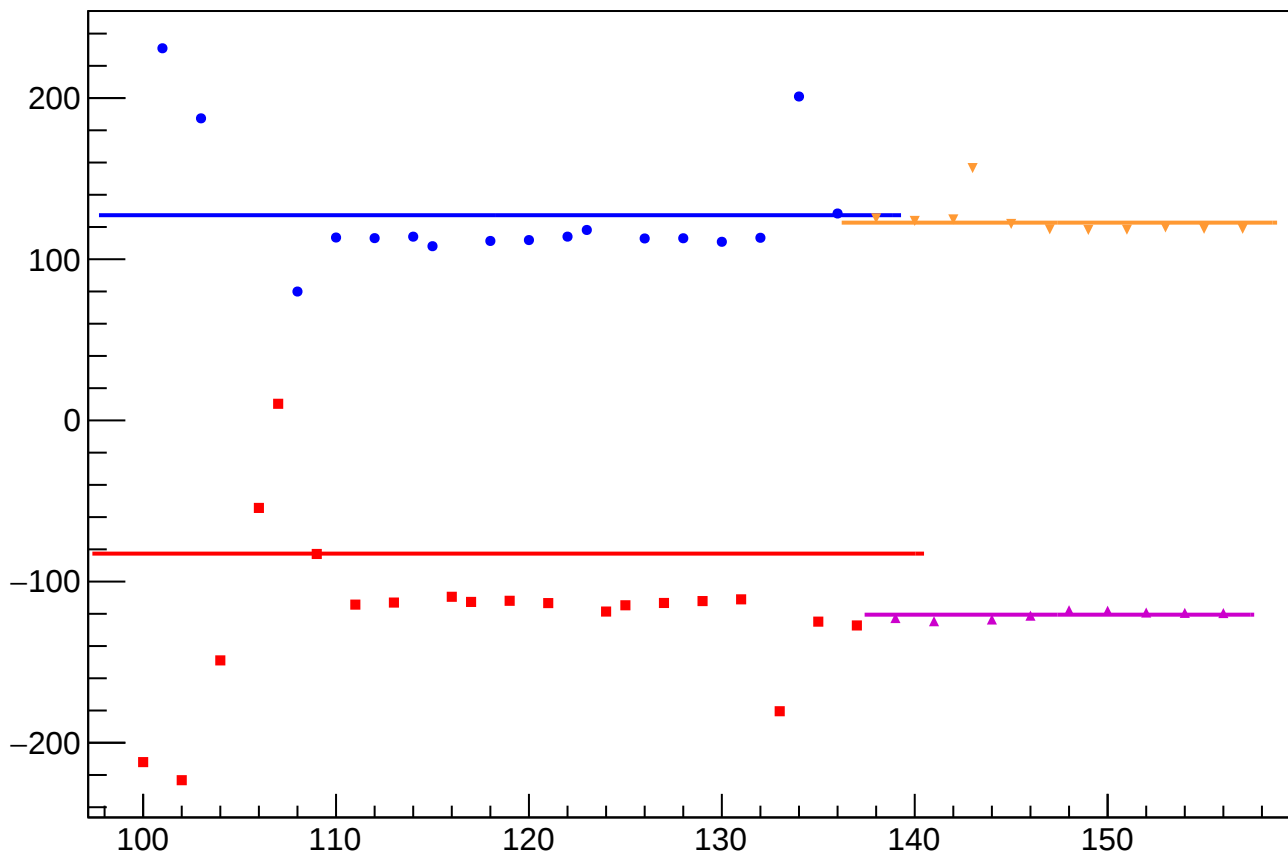
Left In: 60.965 ± 1.232 χ^2/NDF : 114.6/8

-80.813 ± 0.942 χ^2/NDF : 1425.9/27

-3.383 ± 0.663 χ^2/NDF : 16128.4/56

72.718 ± 0.934 χ^2/NDF : 1300.0/28

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 127.323+/-0.089 χ^2/NDF : 187776.4/16

Left Out: 122.711+/-0.058 χ^2/NDF : 22211.4/10

Right Out: -82.649+/-0.075 χ^2/NDF : 765307.1/19

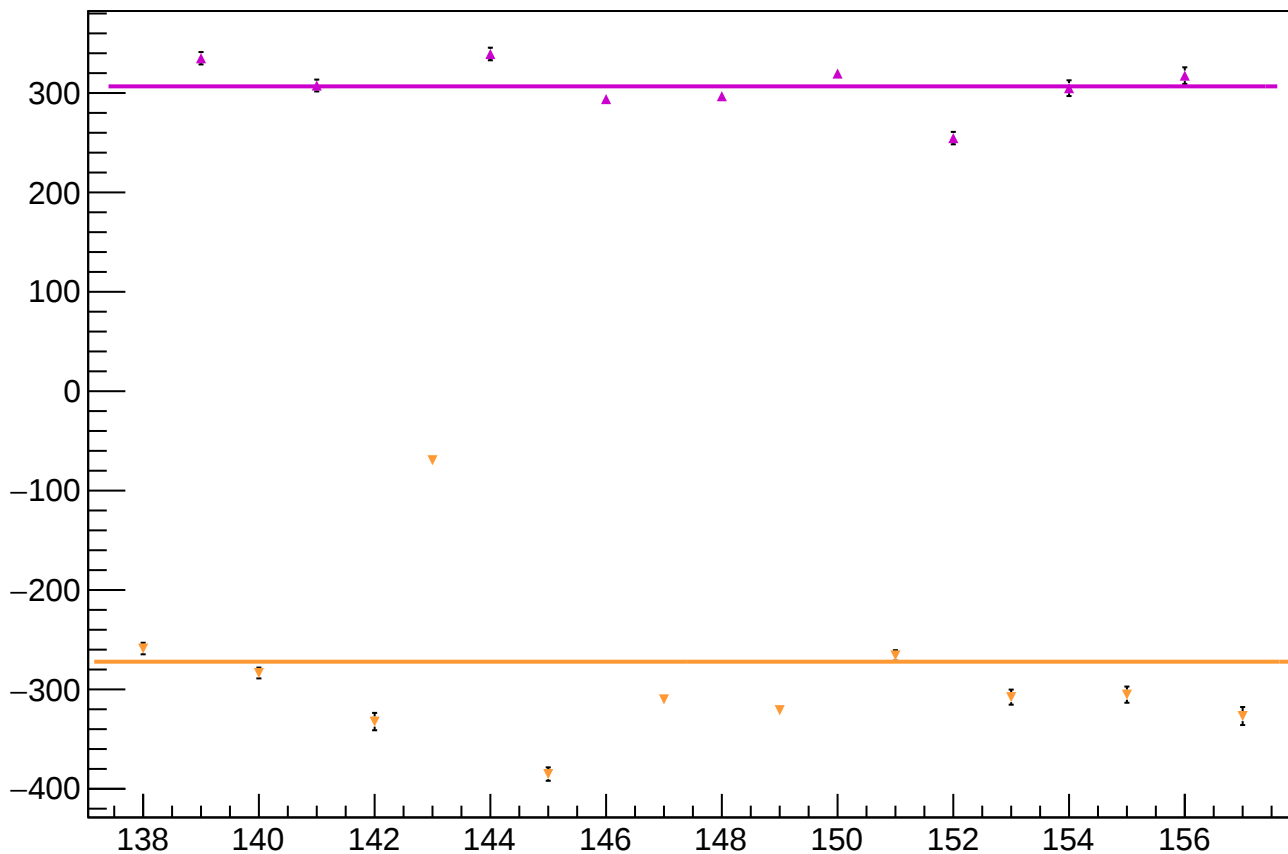
Left In: -120.537+/-0.060 χ^2/NDF : 1566.9/8

124.084+/-0.049 χ^2/NDF : 211855.1/27

4.564+/-0.034 χ^2/NDF : 12672067.2/56

-105.839+/-0.047 χ^2/NDF : 921807.0/28

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -272.120+/-1.819 χ^2/NDF : 2262.3/10

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

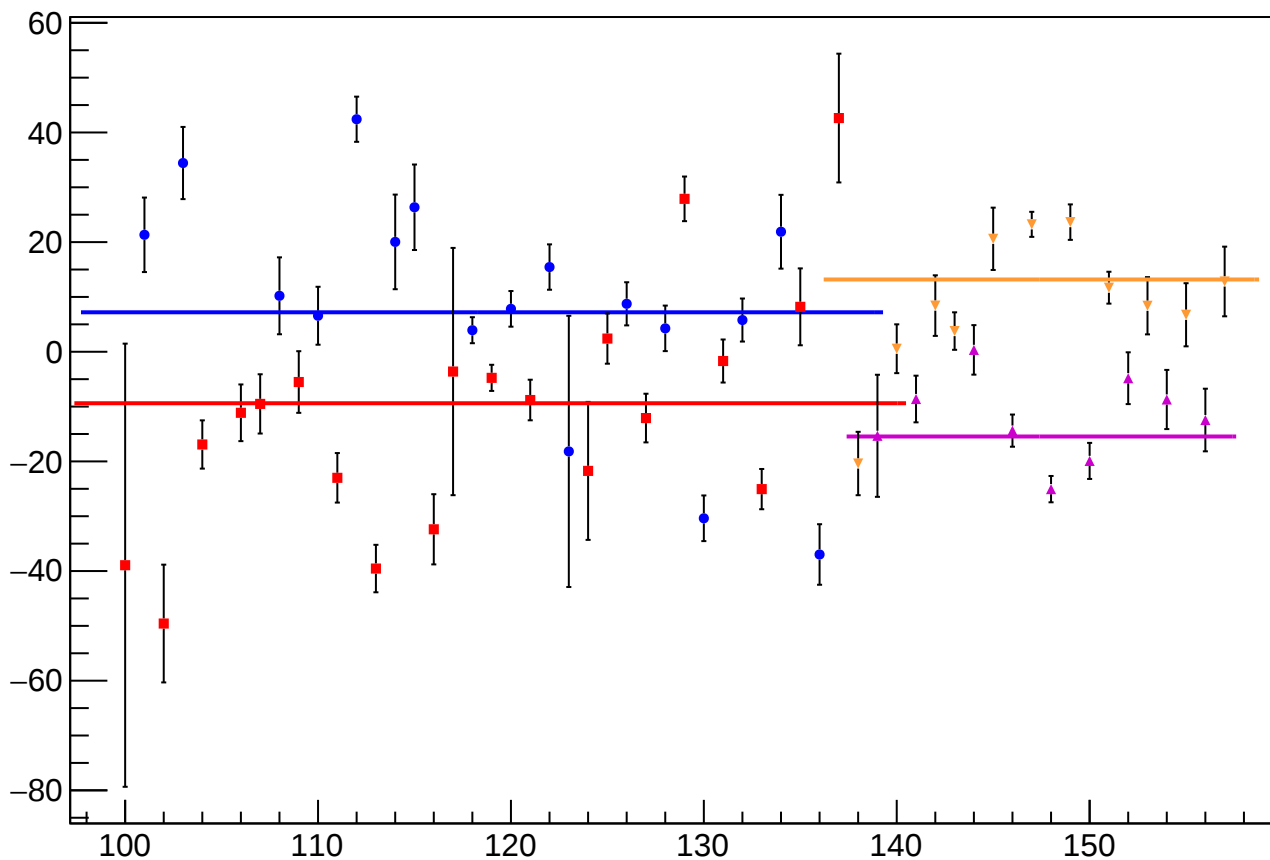
Left In: 306.694+/-1.976 χ^2/NDF : 135.2/8

-272.120+/-1.819 χ^2/NDF : 2262.3/10

-6.658+/-1.338 χ^2/NDF : 48858.2/19

306.694+/-1.976 χ^2/NDF : 135.2/8

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: 13.184 ± 1.173 χ^2/NDF : 84.0/10

Right Out: -9.390 ± 1.070 χ^2/NDF : 232.2/19

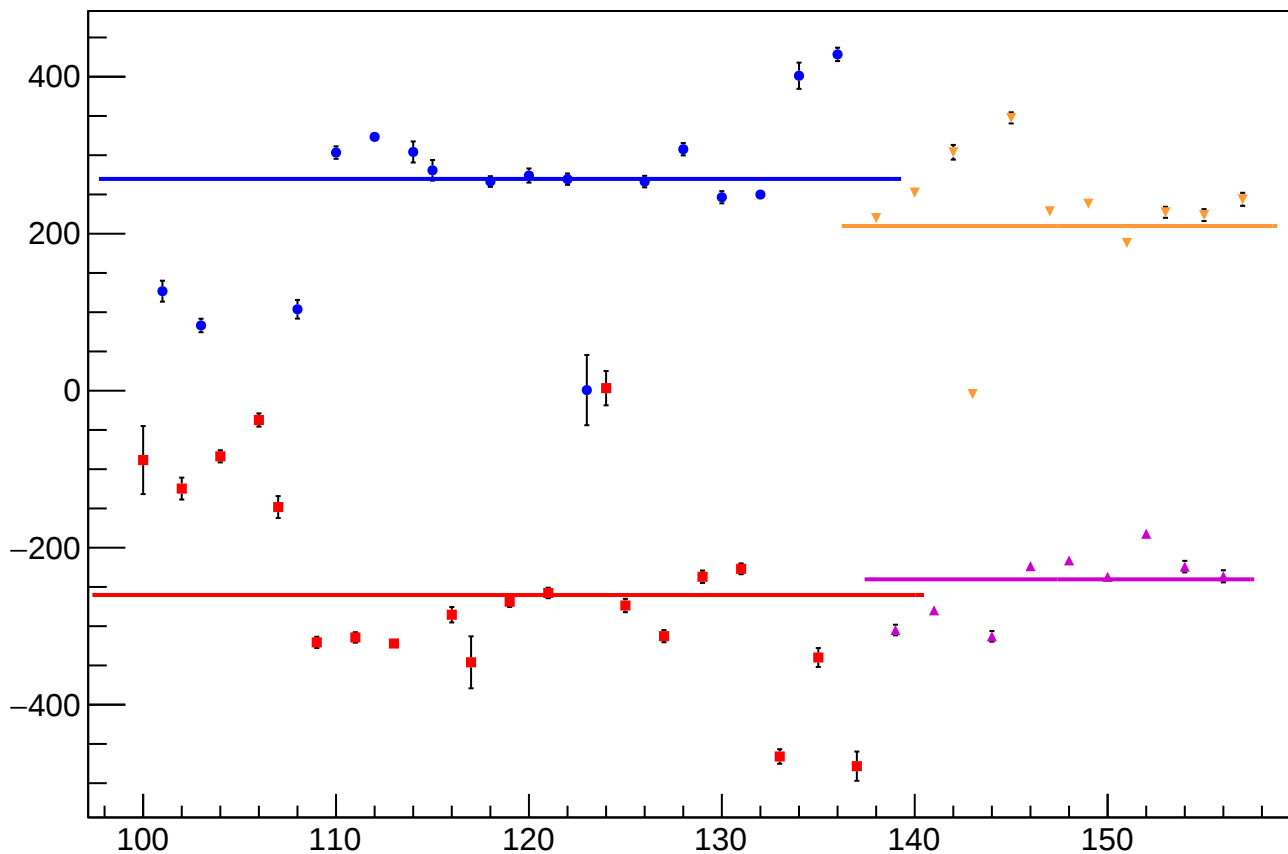
Left In: -15.456 ± 1.287 χ^2/NDF : 39.7/8

10.008 ± 0.804 χ^2/NDF : 358.7/27

-0.675 ± 0.575 χ^2/NDF : 1005.7/56

-11.870 ± 0.823 χ^2/NDF : 285.1/28

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 269.806 $\pm$ 2.089 χ^2 /NDF: 1374.1/16

Left Out: 209.859 $\pm$ 1.801 χ^2 /NDF:2292.6/10

Right Out: -260.286 $\pm$ 1.973 χ^2 /NDF: 2545.4/19

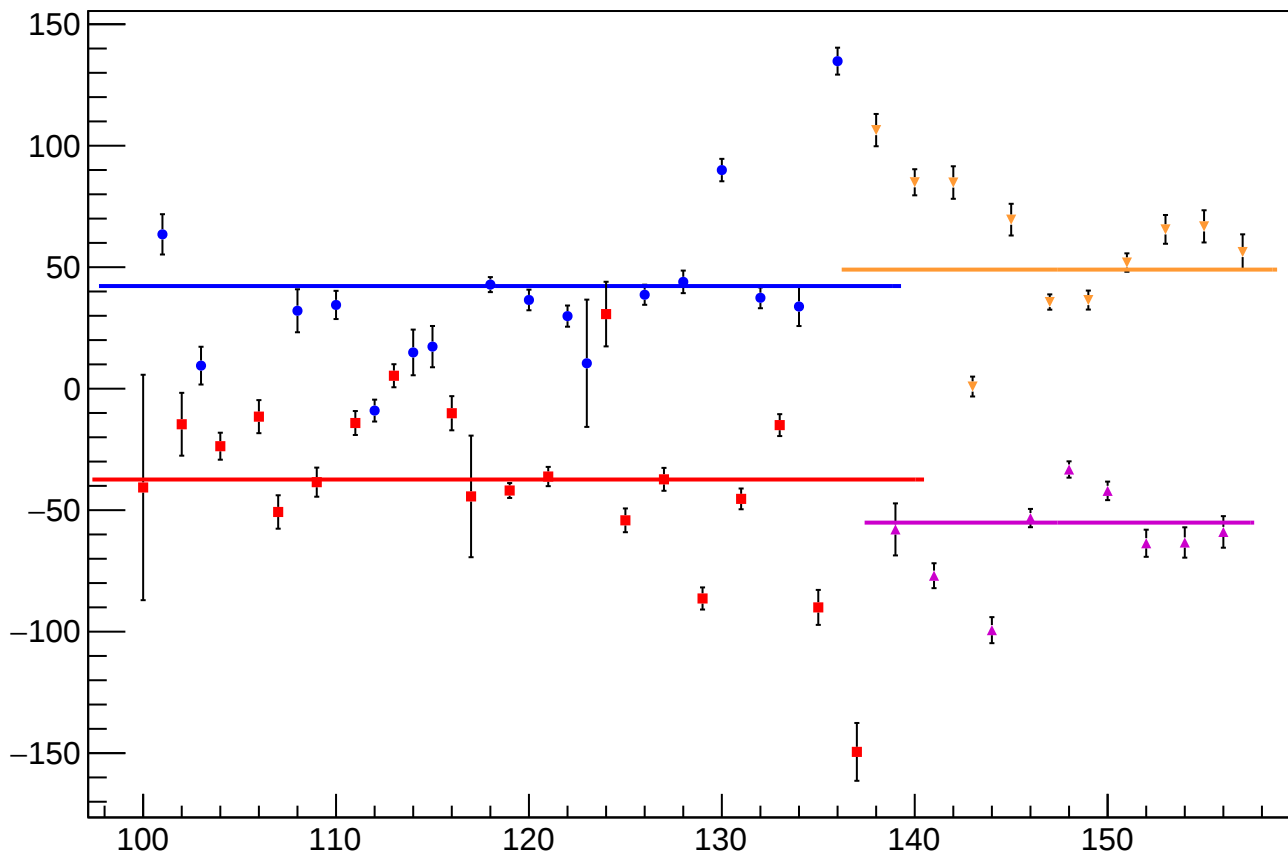
Left In: -240.317 $\pm$ 1.930 χ^2 /NDF:382.9/8

235.421 $\pm$ 1.364 χ^2 /NDF: 4139.0/27

-4.586 $\pm$ 0.970 χ^2 /NDF: 69732.1/56

-250.078 $\pm$ 1.380 χ^2 /NDF: 2980.6/28

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.242 ± 1.274 $\chi^2/\text{NDF}: 574.4/16$

Left Out: 49.010 ± 1.460 $\chi^2/\text{NDF}: 341.3/10$

Right Out: -37.384 ± 1.233 $\chi^2/\text{NDF}: 472.4/19$

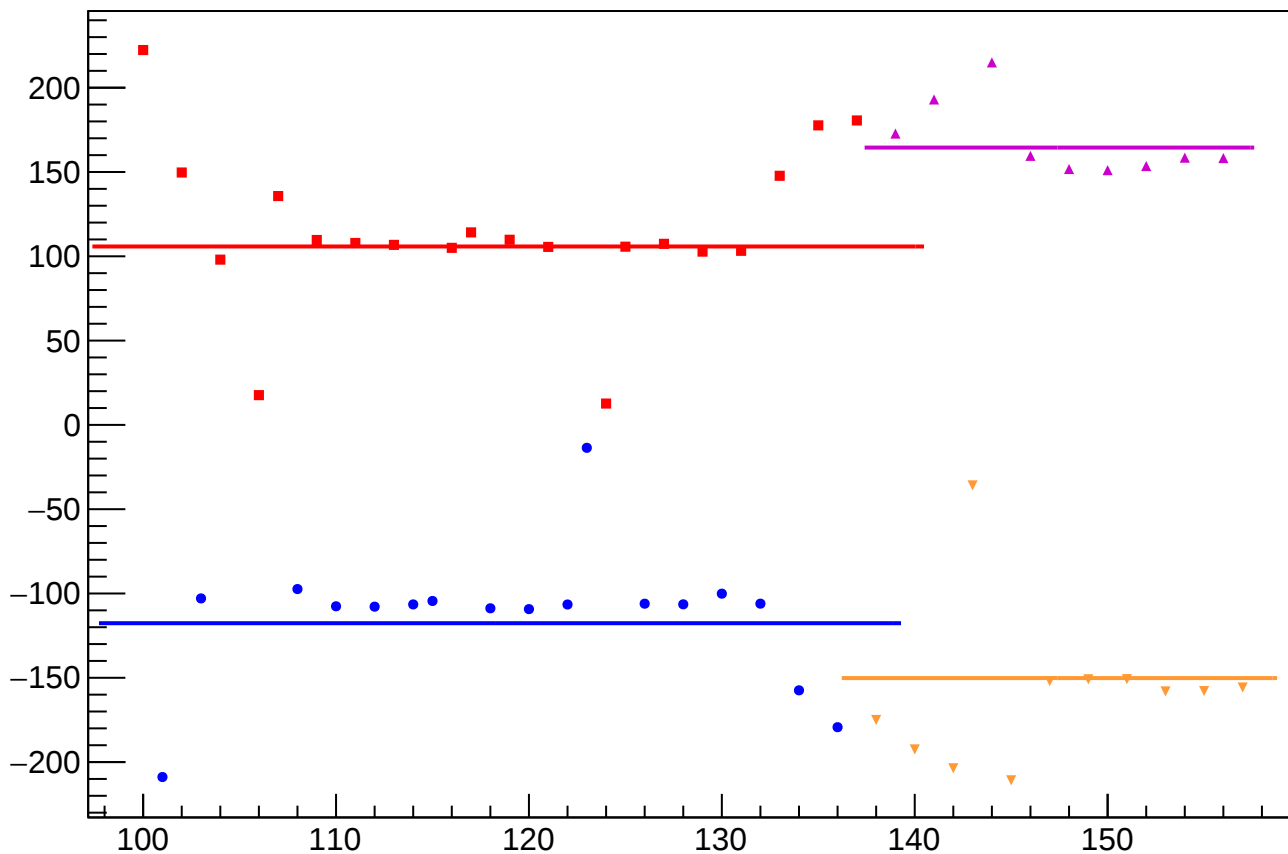
Left In: -55.127 ± 1.599 $\chi^2/\text{NDF}: 145.2/8$

45.165 ± 0.960 $\chi^2/\text{NDF}: 927.8/27$

1.348 ± 0.685 $\chi^2/\text{NDF}: 5863.2/56$

-43.999 ± 0.976 $\chi^2/\text{NDF}: 694.8/28$

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -117.625+/-0.079 χ^2/NDF : 141872.3/16

Left Out: -150.176+/-0.074 χ^2/NDF : 402367.9/10

Right Out: 105.826+/-0.073 χ^2/NDF : 323138.4/19

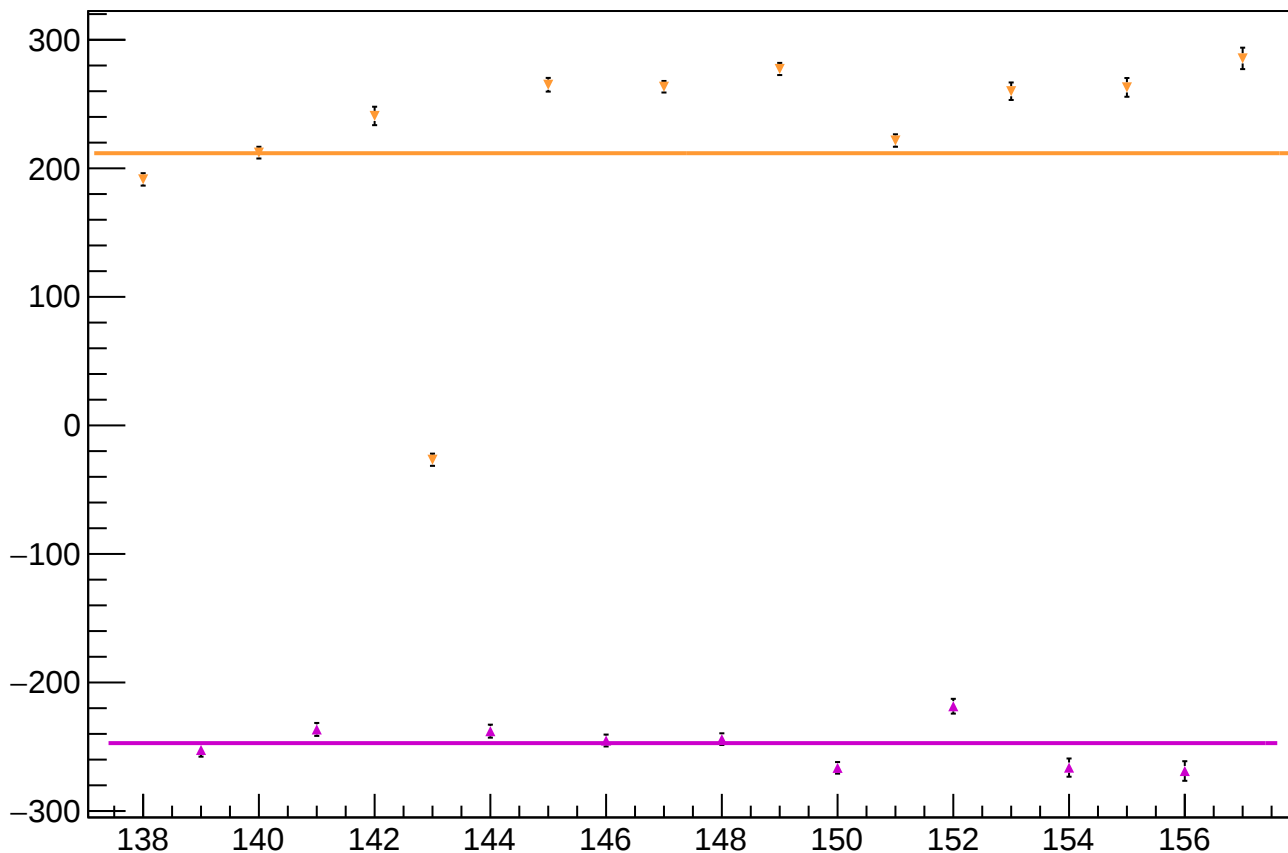
Left In: 164.485+/-0.078 χ^2/NDF : 54992.2/8

-134.913+/-0.054 χ^2/NDF : 635502.0/27

0.428+/-0.038 χ^2/NDF : 13859050.4/56

133.062+/-0.053 χ^2/NDF : 680163.6/28

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 211.769+/-1.621 χ^2/NDF : 3155.2/10

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

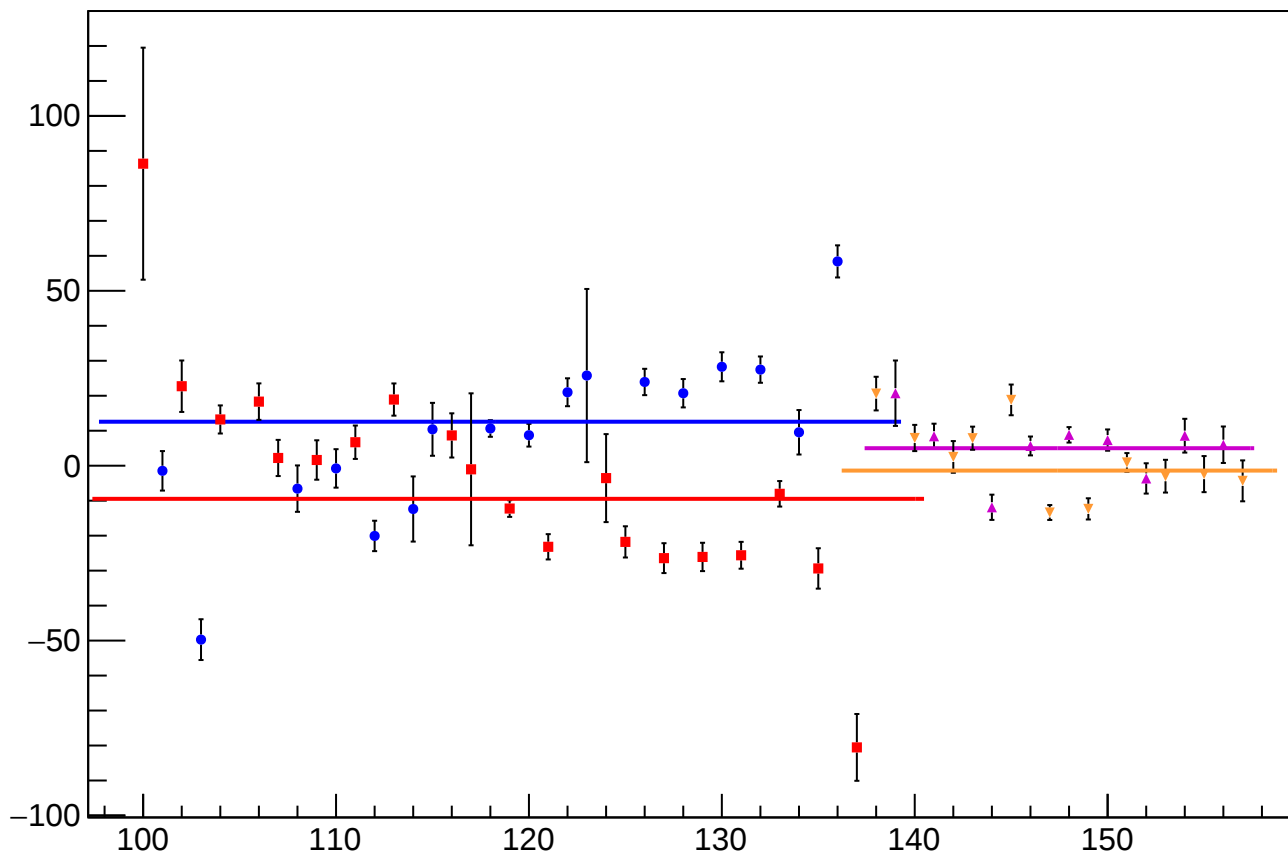
Left In: -247.174+/-1.750 χ^2/NDF : 68.0/8

211.769+/-1.621 χ^2/NDF : 3155.2/10

-0.157+/-1.189 χ^2/NDF : 40237.0/19

-247.174+/-1.750 χ^2/NDF : 68.0/8

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: -1.395 ± 1.062 χ^2/NDF : 102.7/10

Right Out: -9.474 ± 1.046 χ^2/NDF : 296.0/19

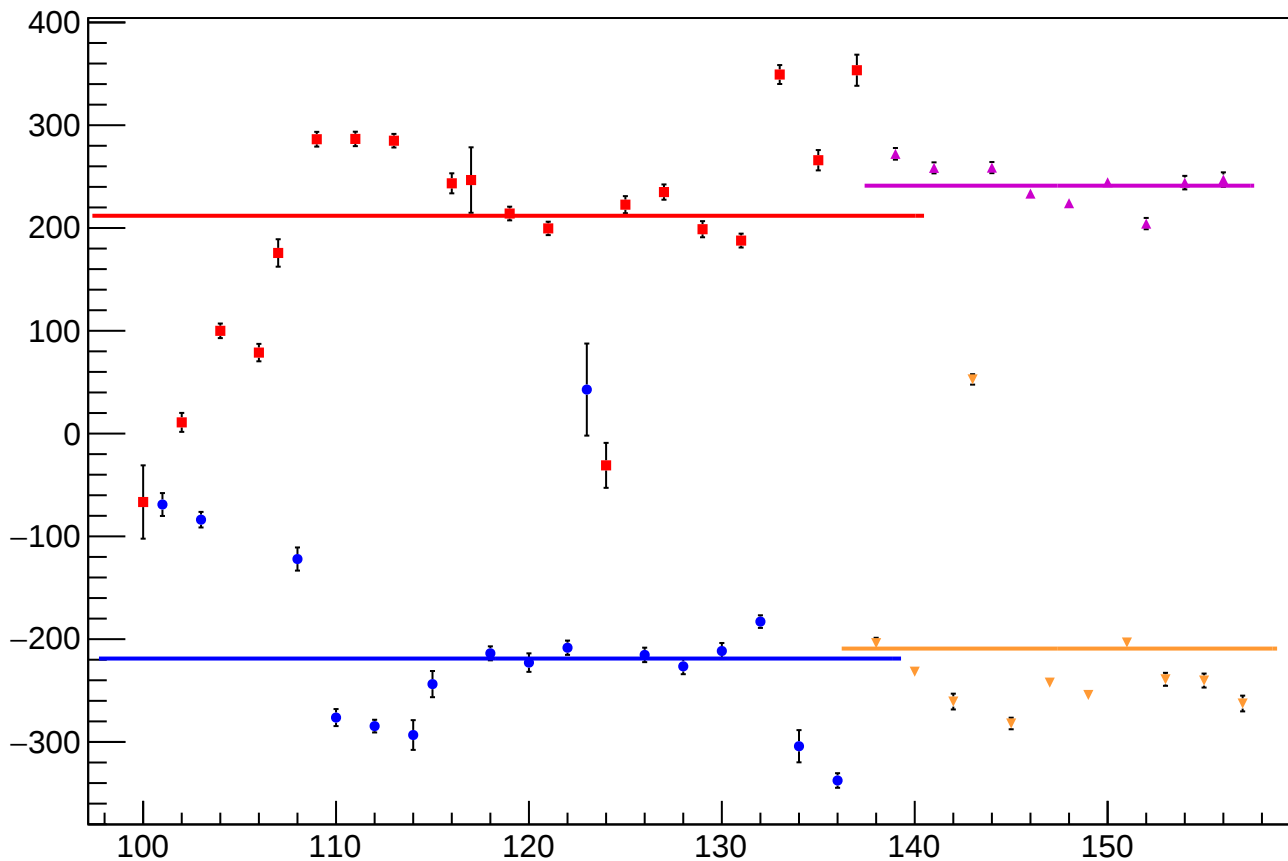
Left In: 5.001 ± 1.155 χ^2/NDF : 33.8/8

5.508 ± 0.755 χ^2/NDF : 536.3/27

1.391 ± 0.541 χ^2/NDF : 1013.4/56

-2.953 ± 0.776 χ^2/NDF : 416.0/28

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -218.855 ± 2.023 χ^2/NDF : 1146.6/16

Left Out: -209.158 ± 1.614 χ^2/NDF : 3156.5/10

Right Out: 211.907 ± 1.920 χ^2/NDF : 1886.4/19

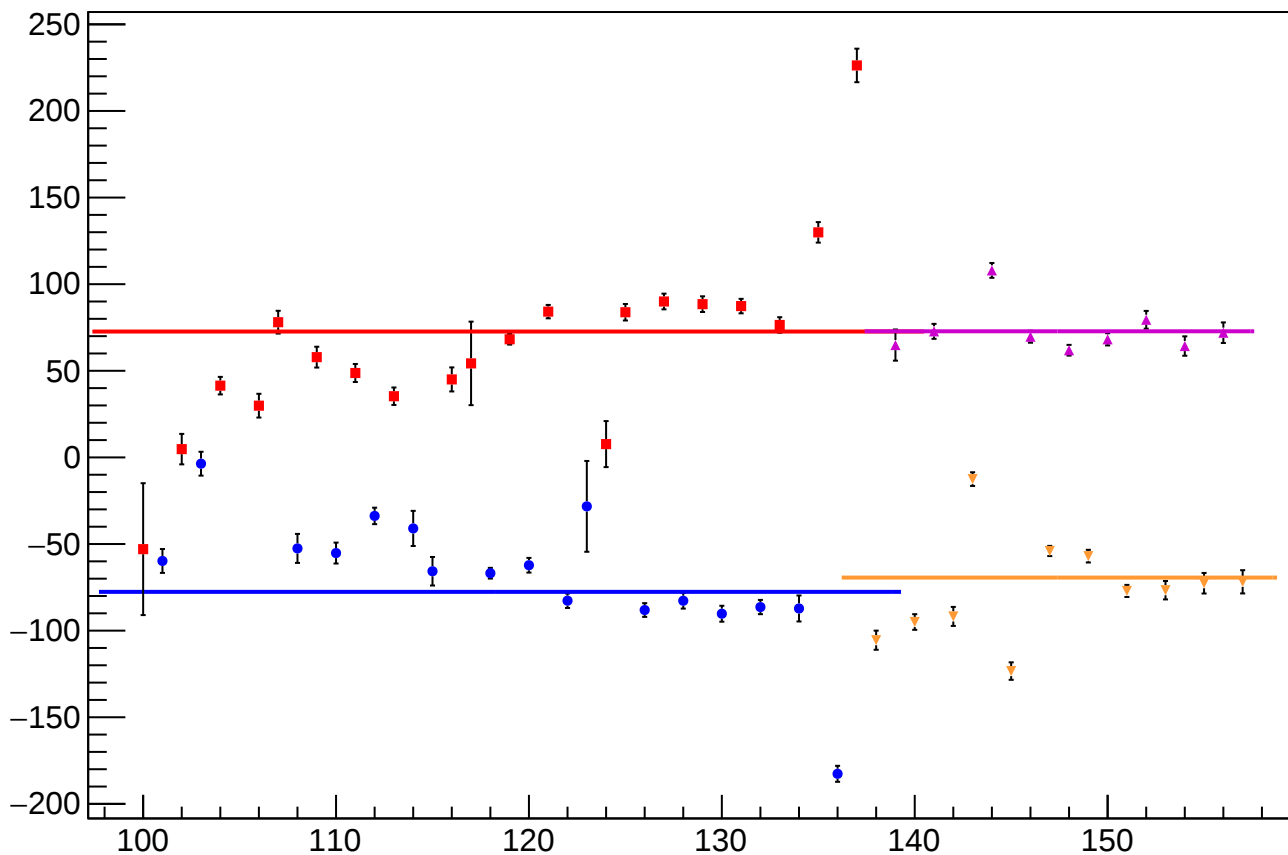
Left In: 241.172 ± 1.719 χ^2/NDF : 116.2/8

-212.930 ± 1.261 χ^2/NDF : 4317.1/27

4.264 ± 0.899 χ^2/NDF : 66649.7/56

228.154 ± 1.281 χ^2/NDF : 2131.5/28

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -77.612 ± 1.236 χ^2/NDF : 815.9/16

Left Out: -69.373 ± 1.317 χ^2/NDF : 458.7/10

Right Out: 72.664 ± 1.205 χ^2/NDF : 672.0/19

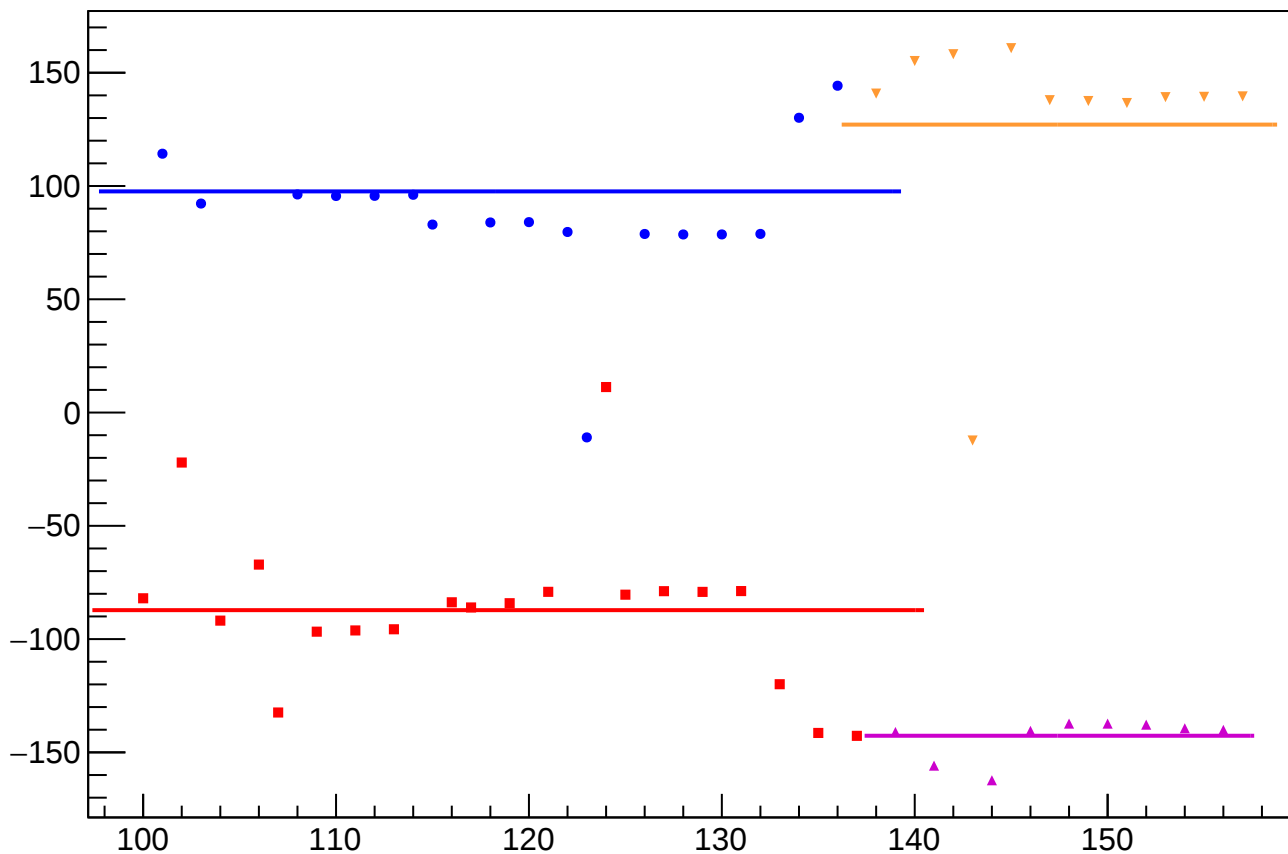
Left In: 72.807 ± 1.431 χ^2/NDF : 87.4/8

-73.752 ± 0.901 χ^2/NDF : 1295.4/27

-2.145 ± 0.644 χ^2/NDF : 14963.6/56

72.723 ± 0.922 χ^2/NDF : 759.4/28

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 97.620+/-0.074 χ^2/NDF : 94045.2/16

Left Out: 127.103+/-0.066 χ^2/NDF : 542383.8/10

Right Out: -87.224+/-0.068 χ^2/NDF : 220851.2/19

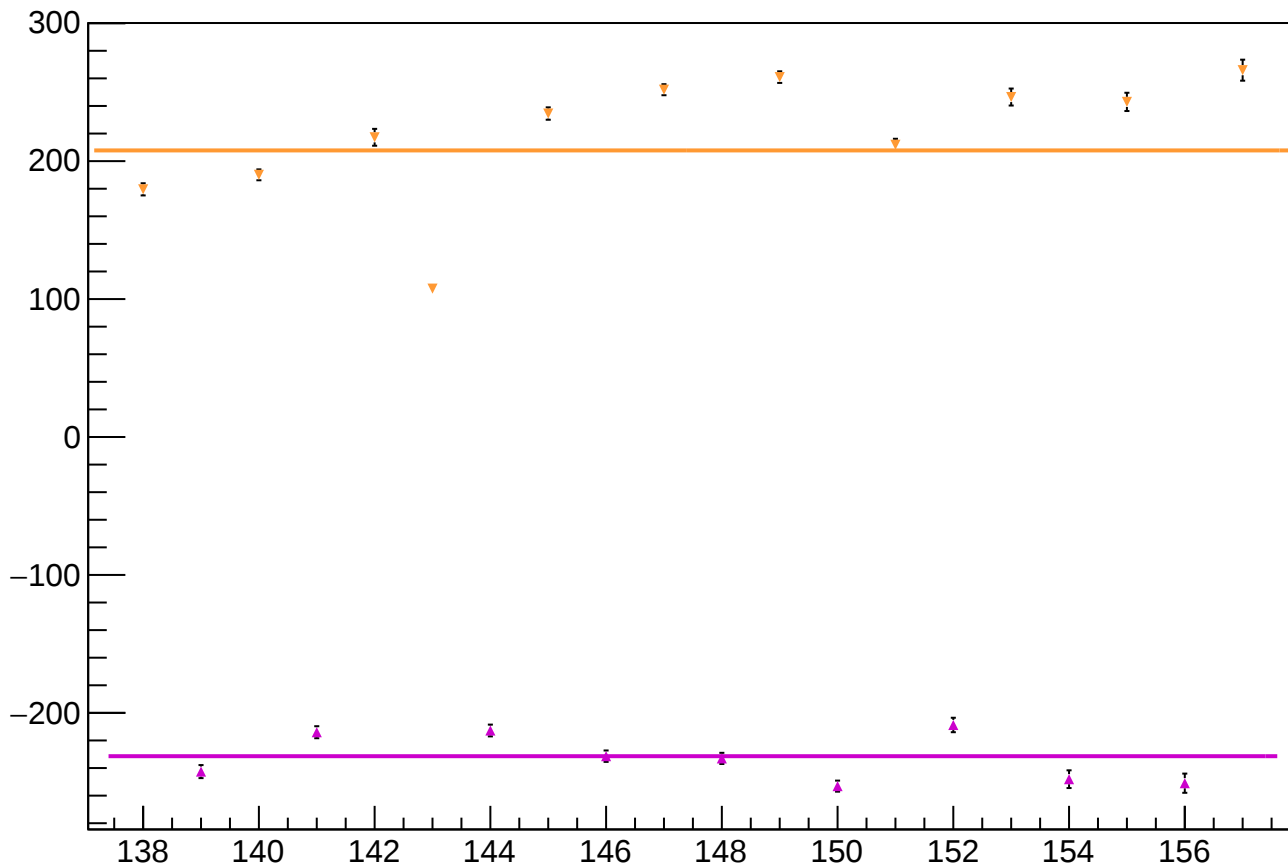
Left In: -142.662+/-0.069 χ^2/NDF : 13368.8/8

113.996+/-0.049 χ^2/NDF : 725292.2/27

-1.343+/-0.035 χ^2/NDF : 12191300.7/56

-114.430+/-0.049 χ^2/NDF : 558547.8/28

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 207.768+/-1.404 χ^2/NDF : 1287.5/10

207.768+/-1.404 χ^2/NDF : 1287.5/10

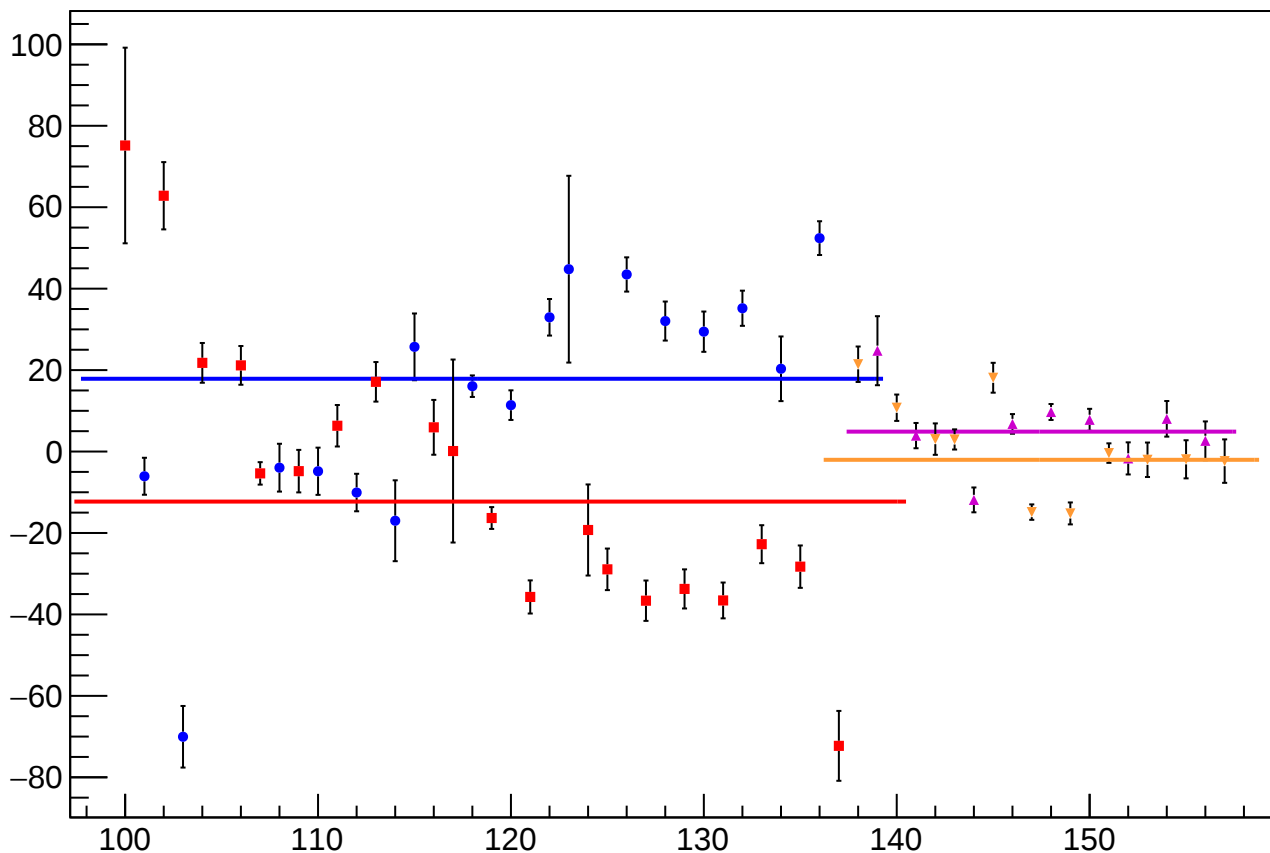
10.085+/-1.041 χ^2/NDF : 45460.1/19

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

-231.410+/-1.551 χ^2/NDF : 103.3/8

Left In: -231.410+/-1.551 χ^2/NDF : 103.3/8

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.872+/-1.166 χ^2/NDF : 395.3/16

Left Out: -2.030+/-0.921 χ^2/NDF : 151.0/10

Right Out: -12.288+/-1.082 χ^2/NDF : 444.4/19

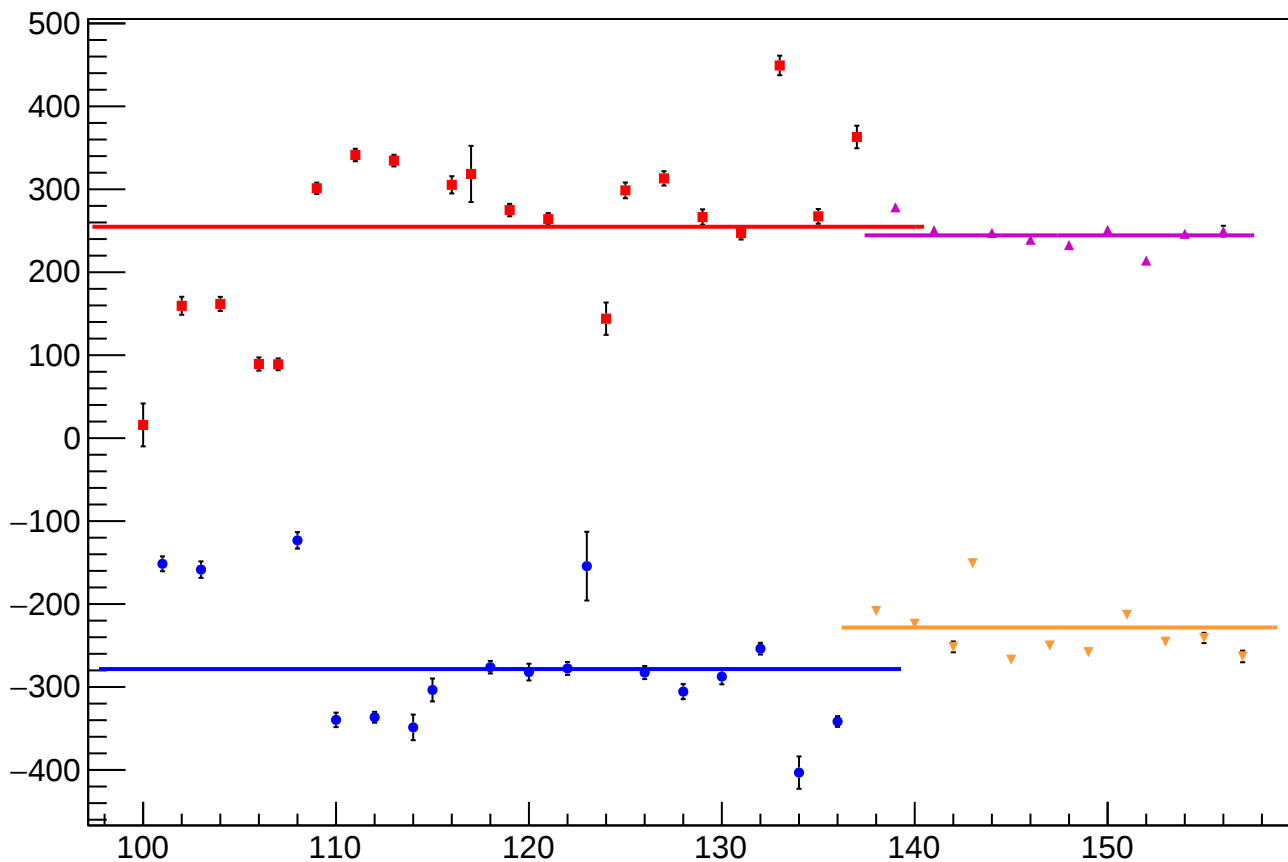
Left In: 4.889+/-1.023 χ^2/NDF : 47.2/8

5.614+/-0.723 χ^2/NDF : 725.9/27

1.324+/-0.518 χ^2/NDF : 1423.0/56

-3.216+/-0.743 χ^2/NDF : 624.6/28

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: -228.295+/-1.403 χ^2/NDF : 651.0/10

Right Out: 254.830+/-2.016 χ^2/NDF : 2041.0/19

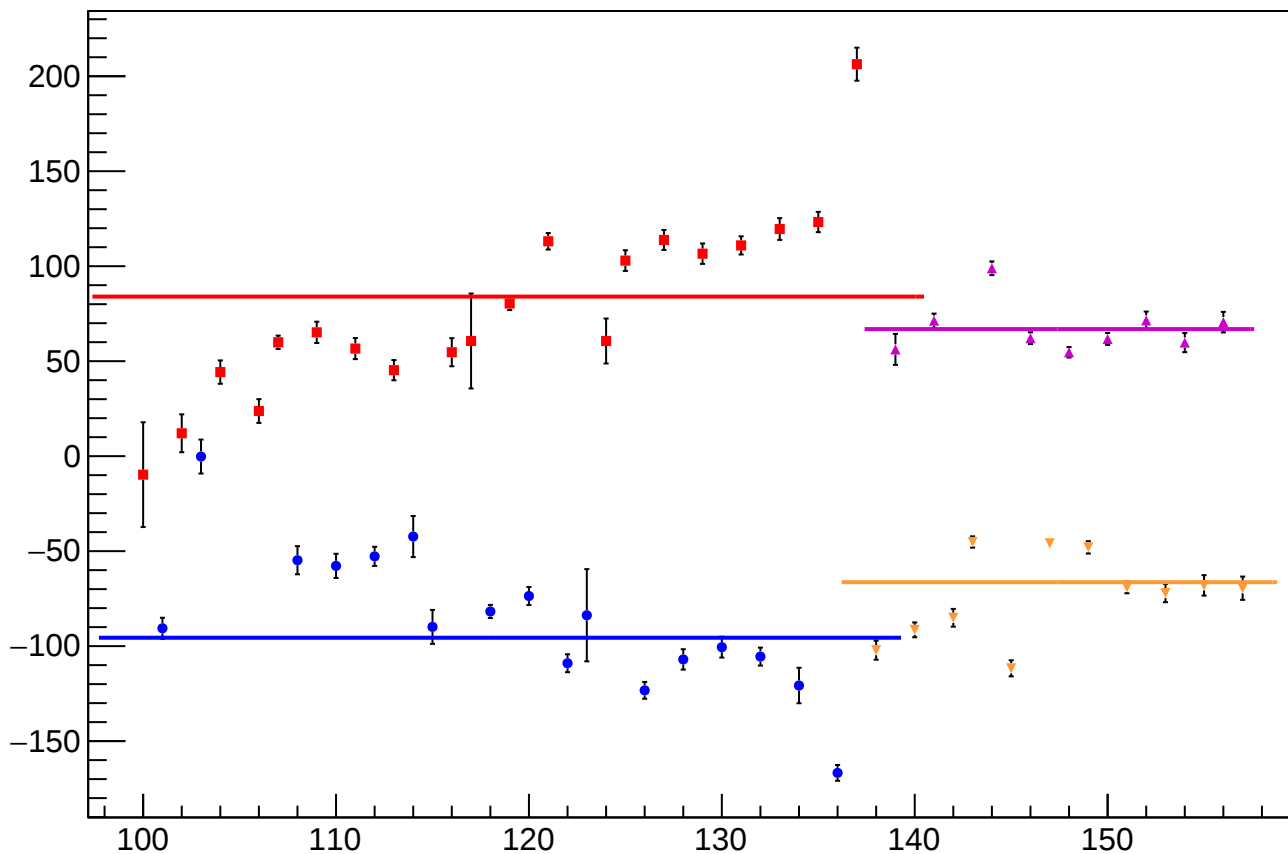
Left In: 244.471+/-1.526 χ^2/NDF : 97.6/8

-242.925+/-1.181 χ^2/NDF : 1933.6/27

-4.709+/-0.847 χ^2/NDF : 88000.5/56

248.244+/-1.217 χ^2/NDF : 2155.4/28

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -95.576 $\pm$ 1.340 χ^2/NDF : 671.2/16

Left Out: -66.344 $\pm$ 1.141 χ^2/NDF : 370.1/10

Right Out: 84.003 $\pm$ 1.255 χ^2/NDF : 784.1/19

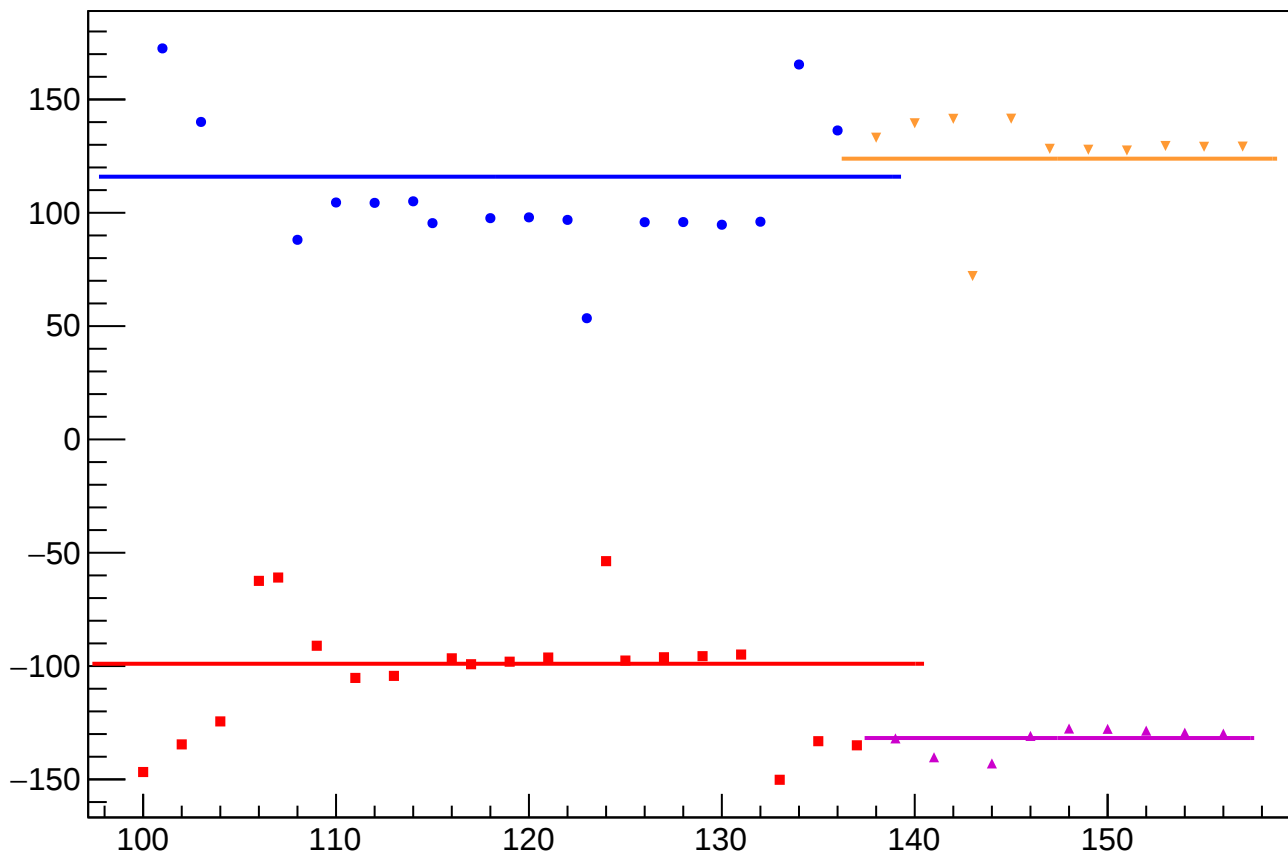
Left In: 66.899 $\pm$ 1.267 χ^2/NDF : 109.9/8

-78.621 $\pm$ 0.869 χ^2/NDF : 1317.2/27

-3.570 $\pm$ 0.622 χ^2/NDF : 17634.7/56

75.534 $\pm$ 0.892 χ^2/NDF : 985.9/28

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 115.927+/-0.078 χ^2/NDF : 105791.4/16

Left Out: 123.880+/-0.057 χ^2/NDF :140244.8/10

Right Out: -98.982+/-0.068 χ^2/NDF : 172974.2/19

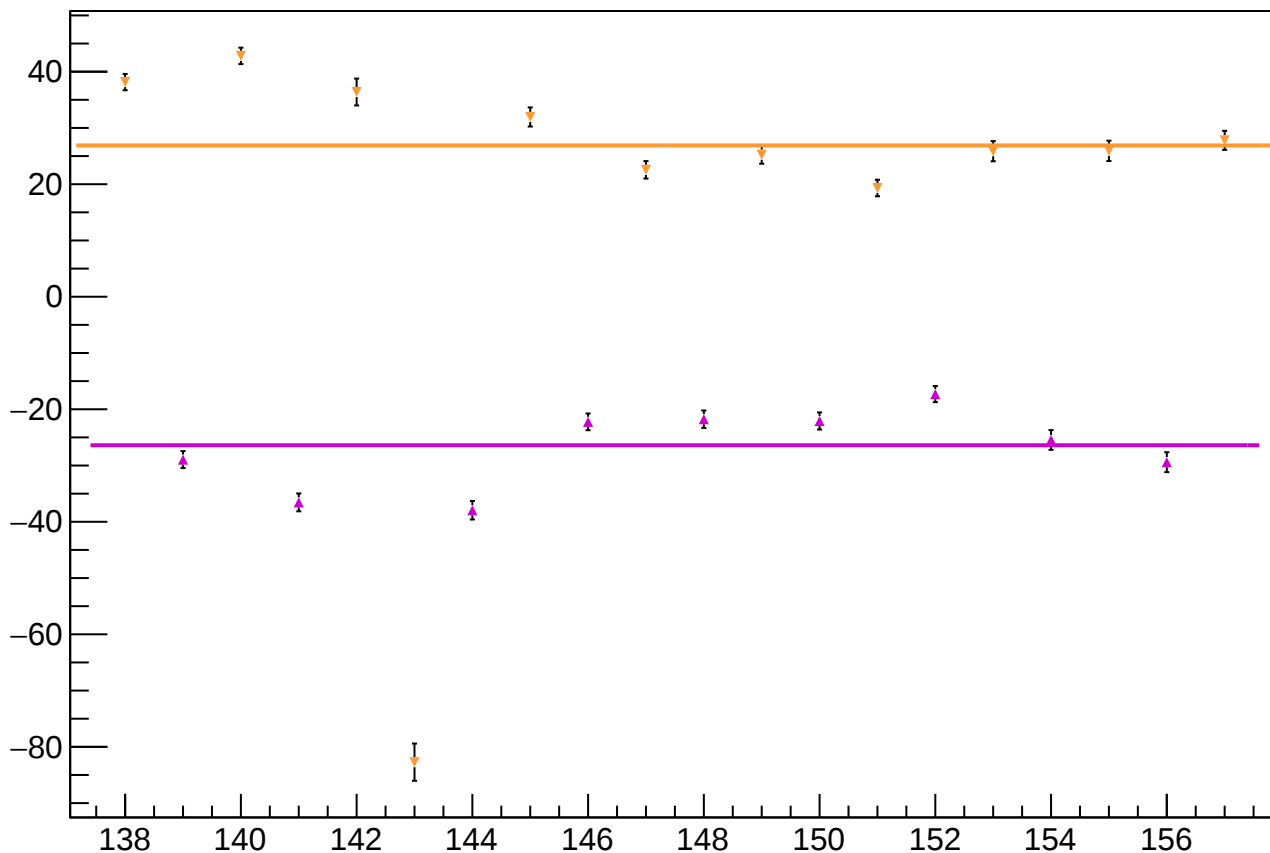
Left In: -131.751+/-0.062 χ^2/NDF :7020.1/8

121.105+/-0.046 χ^2/NDF : 252731.7/27

0.927+/-0.033 χ^2/NDF : 13895295.6/56

-117.034+/-0.046 χ^2/NDF : 306125.0/28

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: 26.891+/-0.514 χ^2/NDF :1336.4/10

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

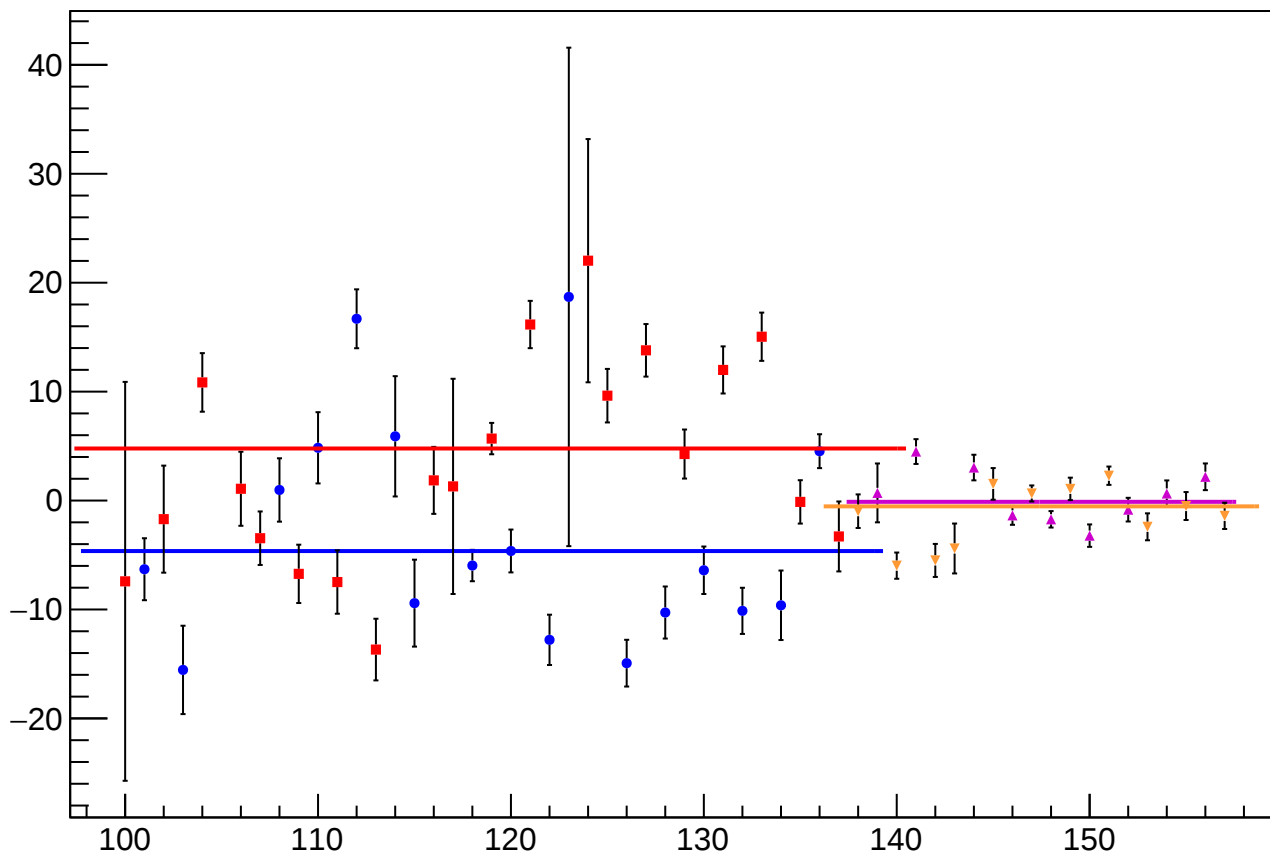
Left In: -26.395+/-0.525 χ^2/NDF :161.2/8

26.891+/-0.514 χ^2/NDF : 1336.4/10

0.811+/-0.367 χ^2/NDF : 6766.3/19

-26.395+/-0.525 χ^2/NDF : 161.2/8

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.637 ± 0.588 χ^2/NDF : 174.4/16

Left Out: -0.534 ± 0.346 χ^2/NDF : 55.2/10

Right Out: 4.779 ± 0.583 χ^2/NDF : 192.7/19

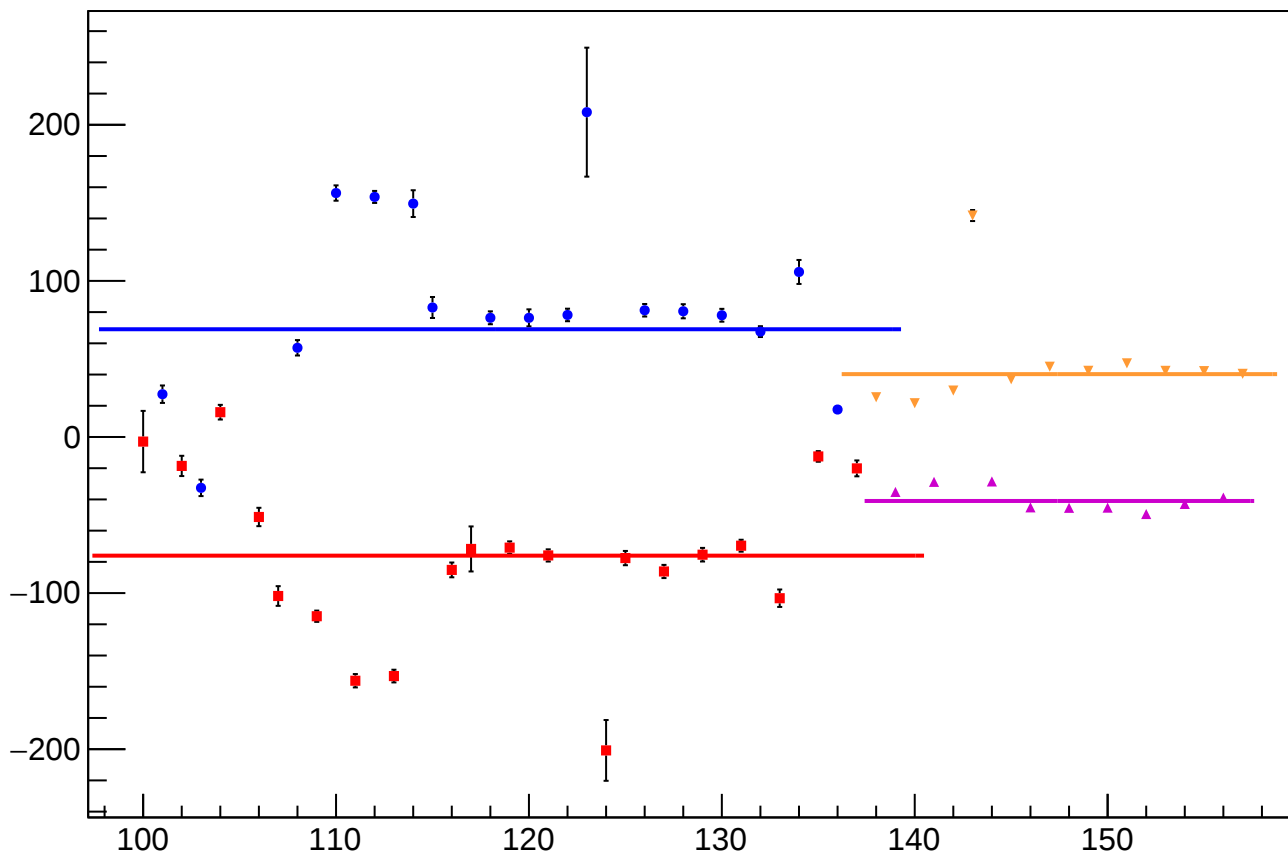
Left In: -0.116 ± 0.356 χ^2/NDF : 43.8/8

-1.590 ± 0.298 χ^2/NDF : 265.8/27

-0.216 ± 0.213 χ^2/NDF : 596.8/56

1.214 ± 0.304 χ^2/NDF : 287.7/28

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 69.019+/-1.083 χ^2/NDF : 1848.0/16

Left Out: 40.268+/-0.505 χ^2/NDF : 1119.1/10

Right Out: -76.017+/-1.067 χ^2/NDF : 1882.0/19

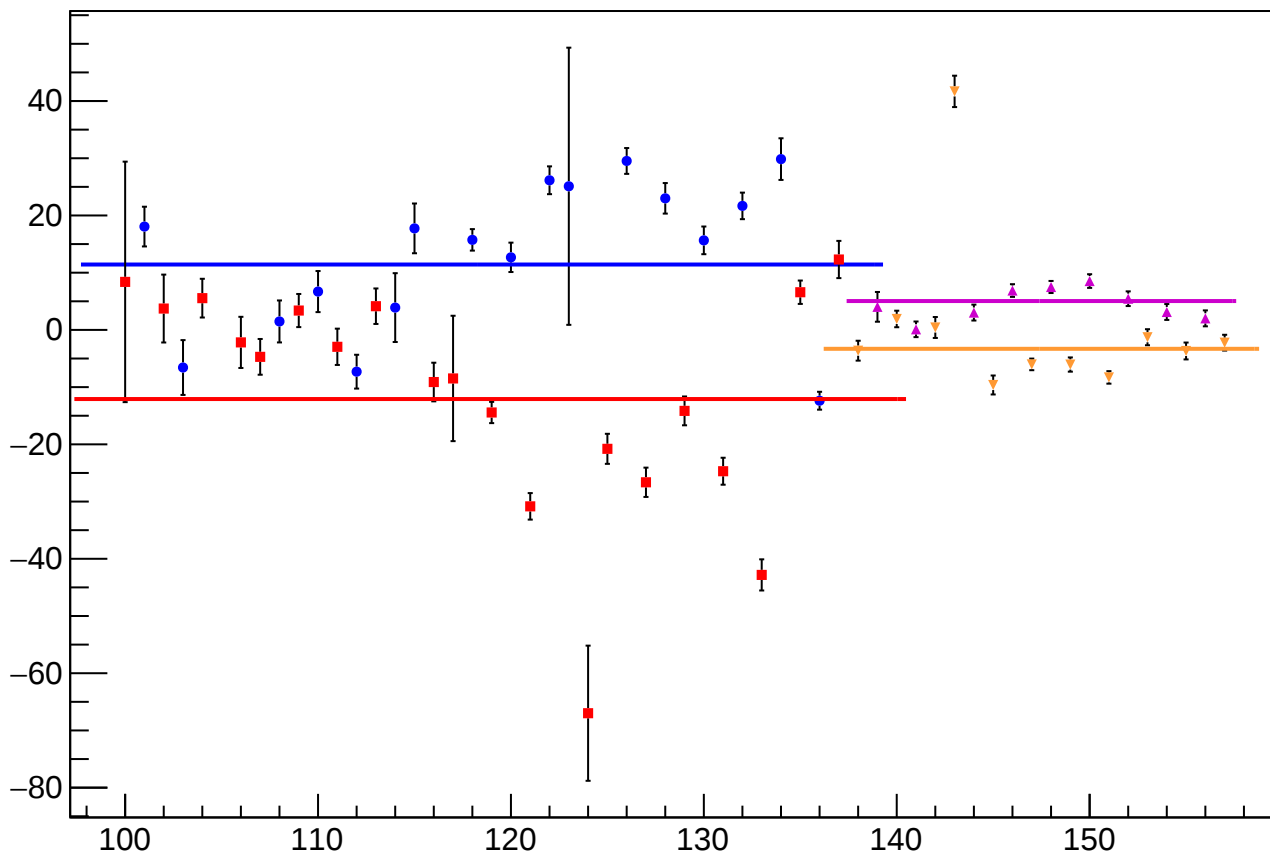
Left In: -40.991+/-0.514 χ^2/NDF : 182.2/8

45.402+/-0.458 χ^2/NDF : 3545.6/27

-0.565+/-0.326 χ^2/NDF : 26877.3/56

-47.589+/-0.463 χ^2/NDF : 2938.9/28

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.428+/-0.665 χ^2/NDF : 476.8/16

Left Out: -3.303+/-0.424 χ^2/NDF : 336.5/10

Right Out: -12.082+/-0.663 χ^2/NDF : 539.2/19

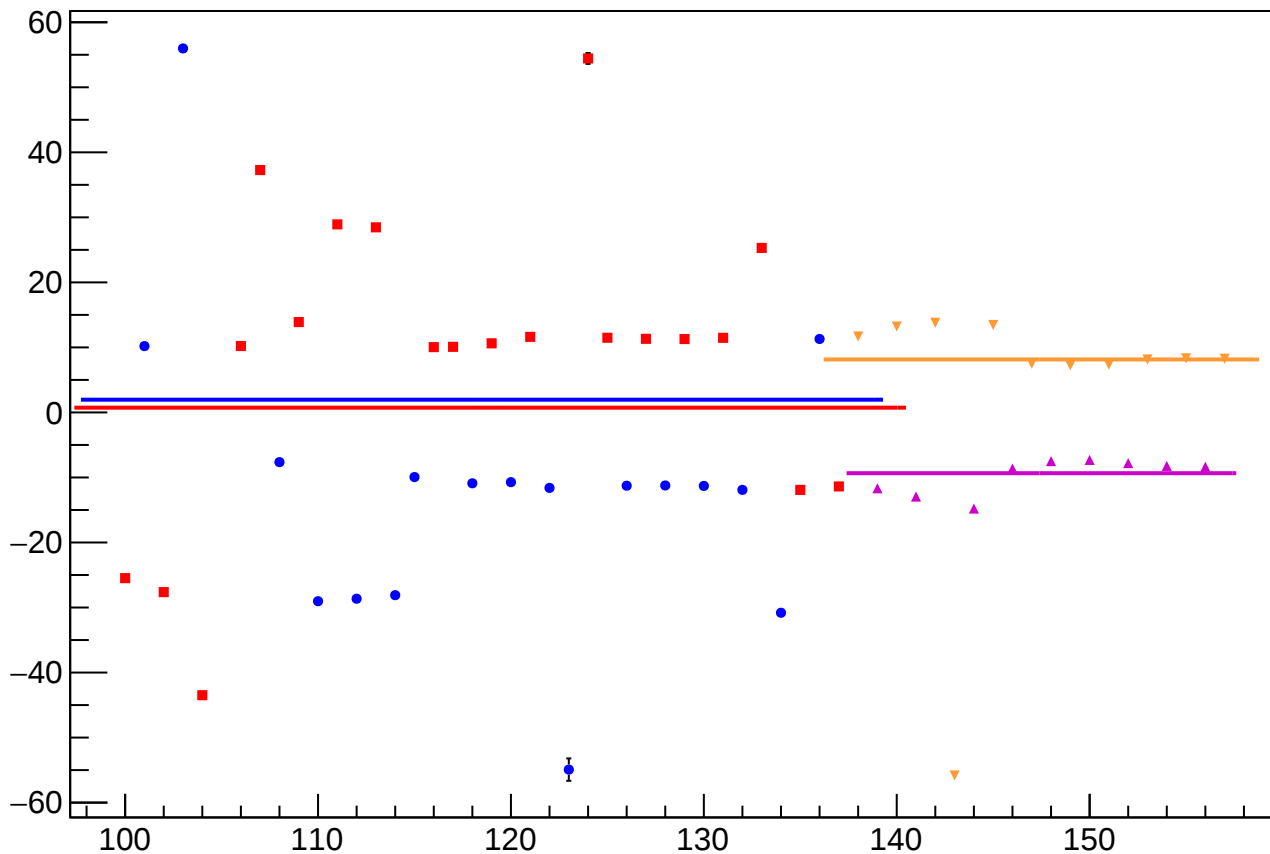
Left In: 5.044+/-0.436 χ^2/NDF : 38.8/8

0.956+/-0.358 χ^2/NDF : 1161.6/27

0.422+/-0.255 χ^2/NDF : 2210.1/56

-0.133+/-0.364 χ^2/NDF : 1043.9/28

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.960 ± 0.037 χ^2/NDF : 358457.0/16

Left Out: 8.148 ± 0.020 χ^2/NDF : 222440.2/10

Right Out: 0.733 ± 0.037 χ^2/NDF : 361368.4/19

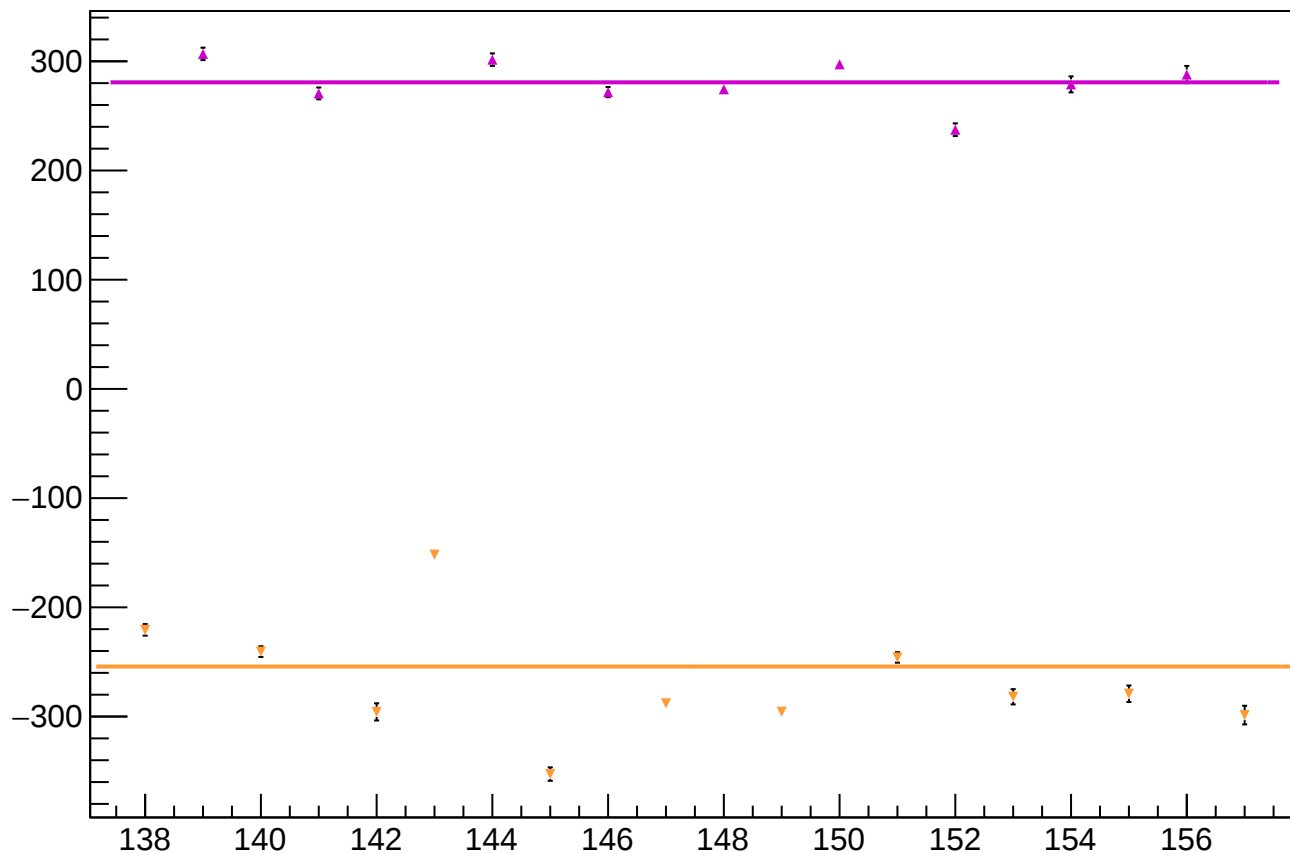
Left In: -9.345 ± 0.020 χ^2/NDF : 13099.9/8

6.757 ± 0.018 χ^2/NDF : 602407.2/27

-0.056 ± 0.013 χ^2/NDF : 1336484.1/56

-7.020 ± 0.018 χ^2/NDF : 431350.6/28

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -254.202+/-1.631 χ^2/NDF : 1186.5/10

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

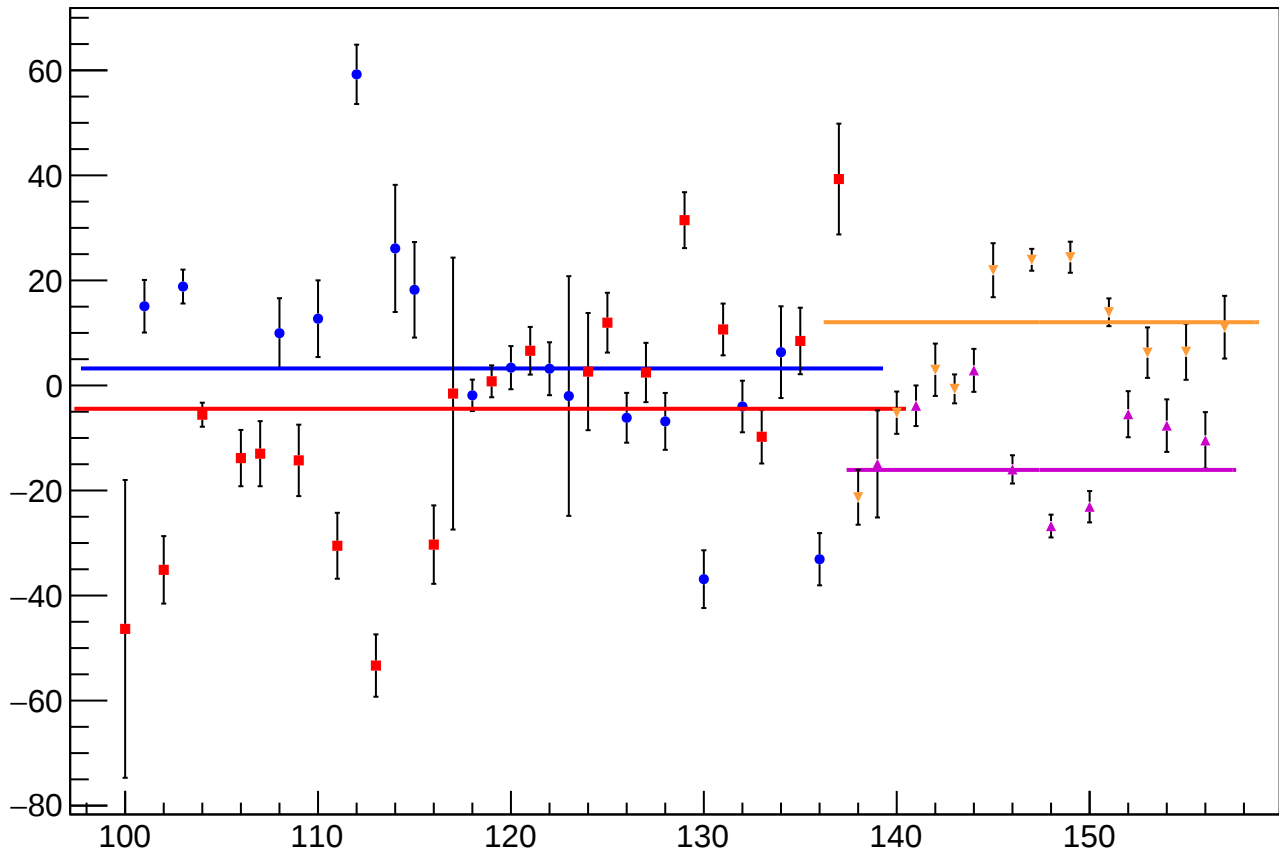
Left In: 280.735+/-1.808 χ^2/NDF : 113.5/8

-254.202+/-1.631 χ^2/NDF : 1186.5/10

-14.087+/-1.211 χ^2/NDF : 49565.8/19

280.735+/-1.808 χ^2/NDF : 113.5/8

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.237 $\pm$ 1.244 χ^2 /NDF: 255.3/16

Left Out: 12.041 $\pm$ 1.053 χ^2 /NDF:140.4/10

Right Out: -4.444 $\pm$ 1.156 χ^2 /NDF: 225.8/19

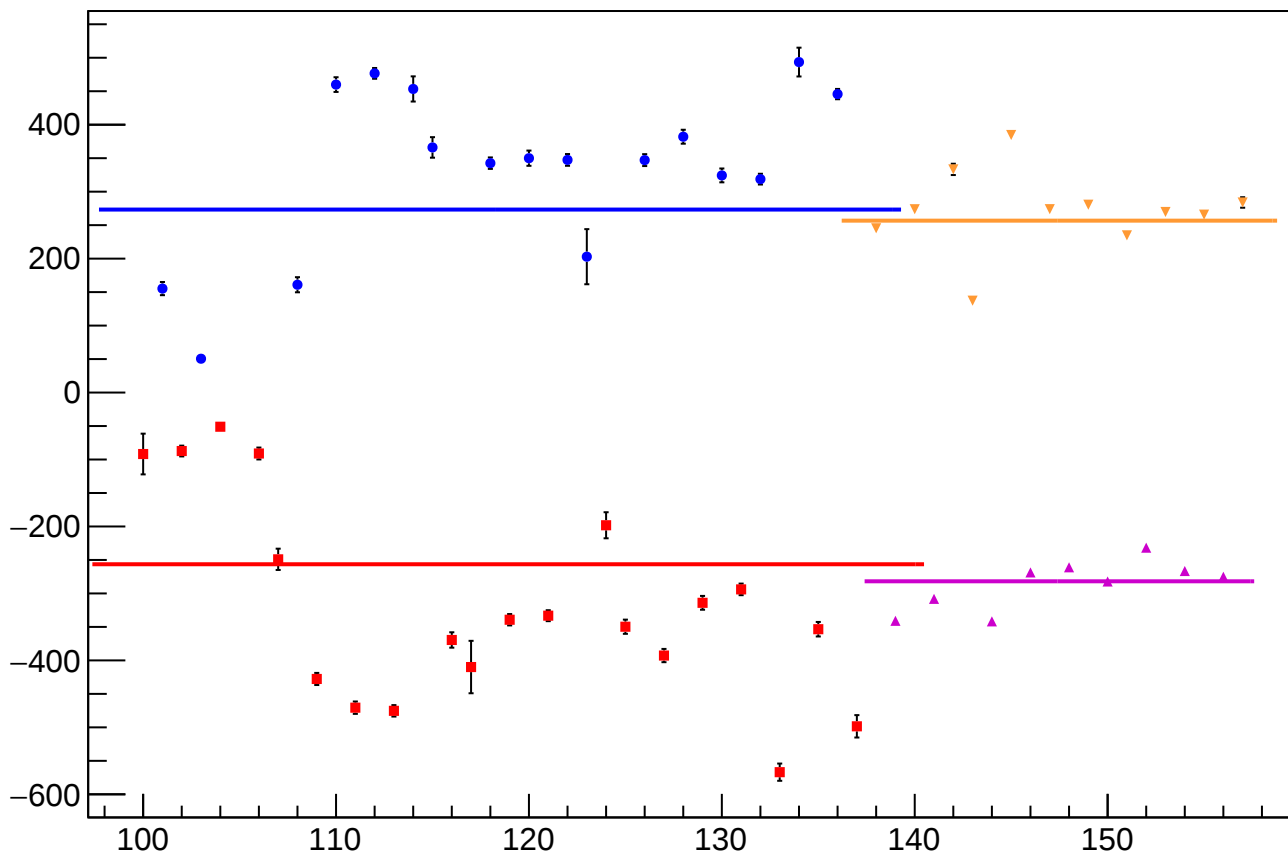
Left In: -16.080 $\pm$ 1.174 χ^2 /NDF:71.0/8

8.366 $\pm$ 0.804 χ^2 /NDF: 424.9/27

-0.672 $\pm$ 0.575 χ^2 /NDF: 1031.0/56

-10.171 $\pm$ 0.824 χ^2 /NDF: 346.6/28

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 273.276 $\pm$ 2.205 χ^2 /NDF: 5101.5/16

Left Out: 256.723 $\pm$ 1.621 χ^2 /NDF:1365.6/10

Right Out: -256.418 $\pm$ 2.077 χ^2 /NDF: 6453.9/19

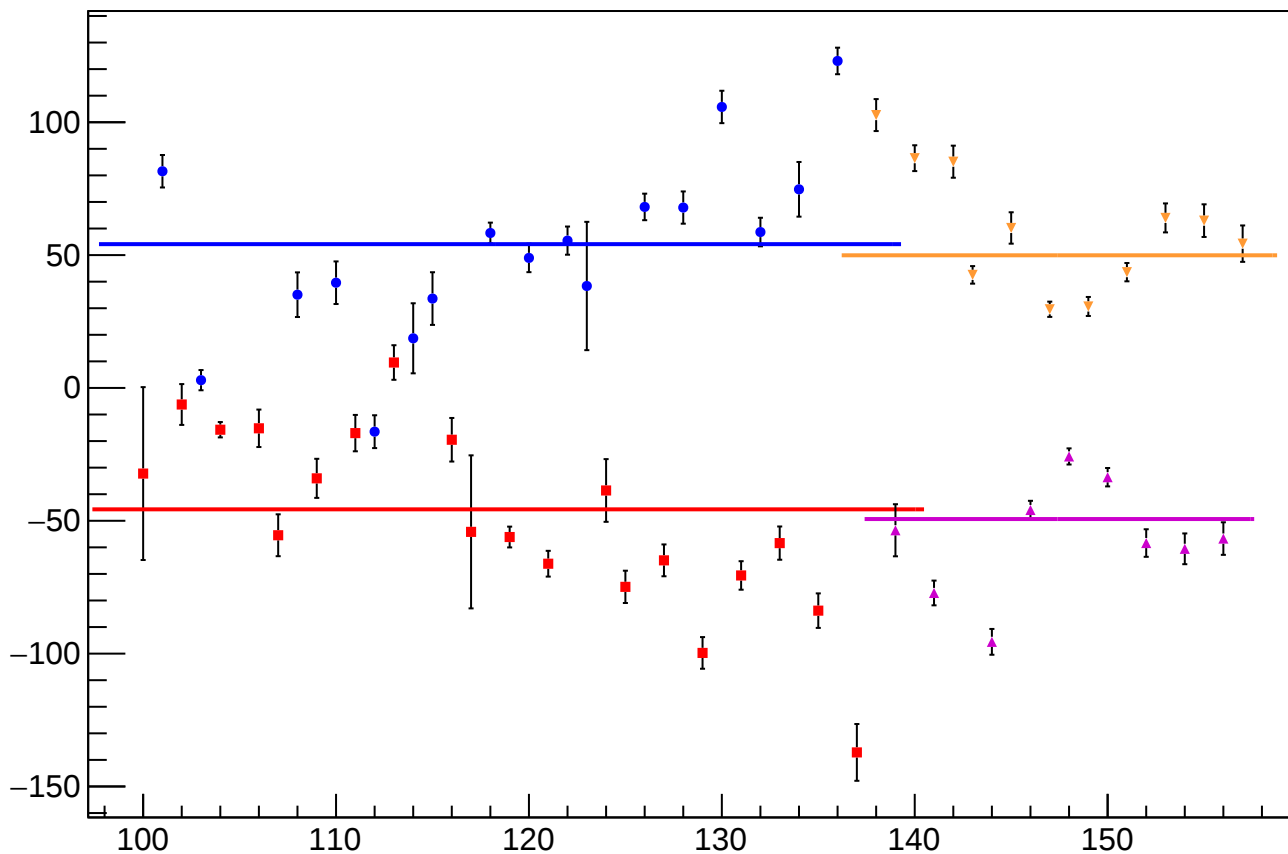
Left In: -281.874 $\pm$ 1.766 χ^2 /NDF:327.2/8

262.531 $\pm$ 1.306 χ^2 /NDF: 6503.7/27

3.612 $\pm$ 0.937 χ^2 /NDF: 94402.9/56

-271.192 $\pm$ 1.345 χ^2 /NDF: 6868.3/28

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 54.119+/-1.438 χ^2/NDF : 633.9/16

Left Out: 49.924+/-1.310 χ^2/NDF : 269.5/10

Right Out: -45.694+/-1.356 χ^2/NDF : 531.1/19

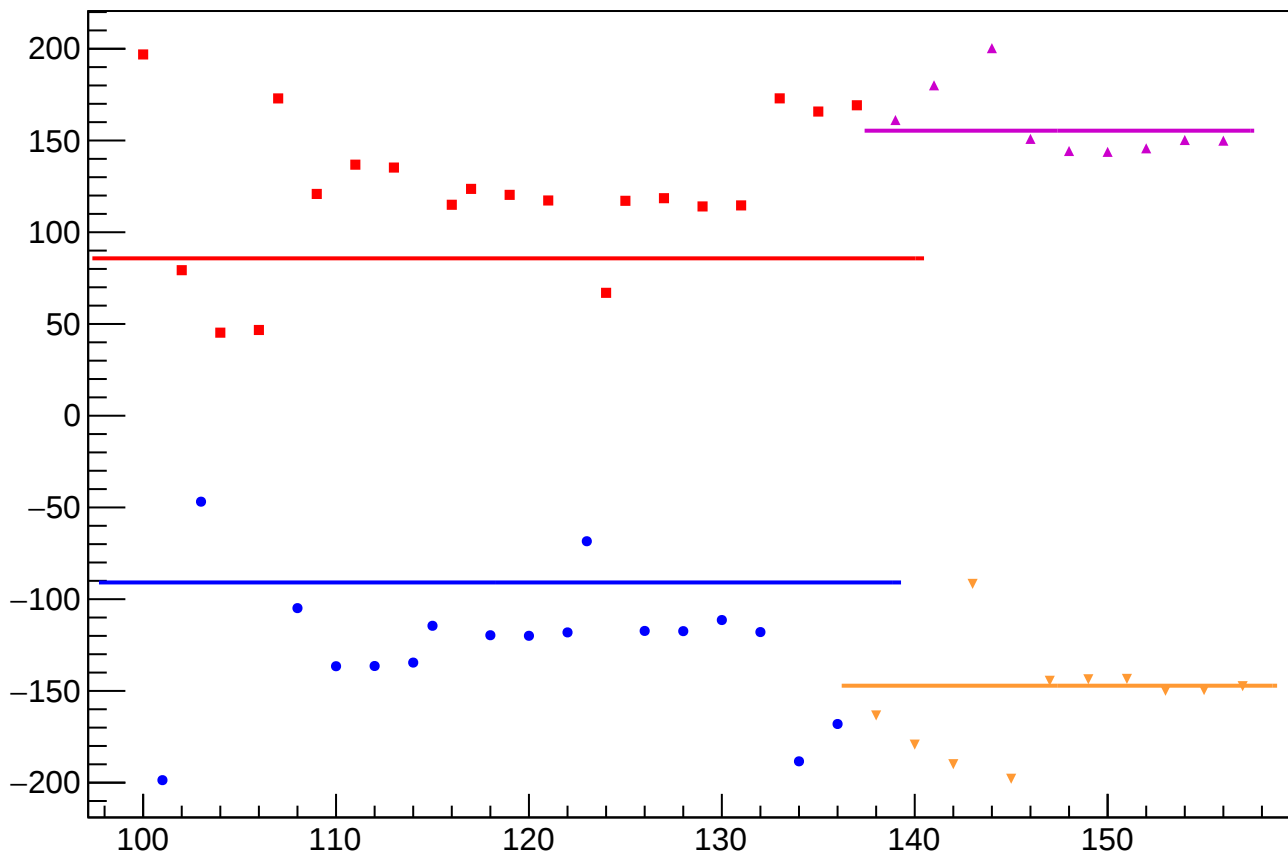
Left In: -49.344+/-1.461 χ^2/NDF : 216.6/8

51.827+/-0.968 χ^2/NDF : 908.1/27

3.507+/-0.694 χ^2/NDF : 6771.3/56

-47.383+/-0.994 χ^2/NDF : 751.1/28

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -90.881 $\pm$ 0.068 χ^2 /NDF: 533423.8/16

Left Out: -147.153 $\pm$ 0.066 χ^2 /NDF: 186771.5/10

Right Out: 85.772 $\pm$ 0.065 χ^2 /NDF: 494629.5/19

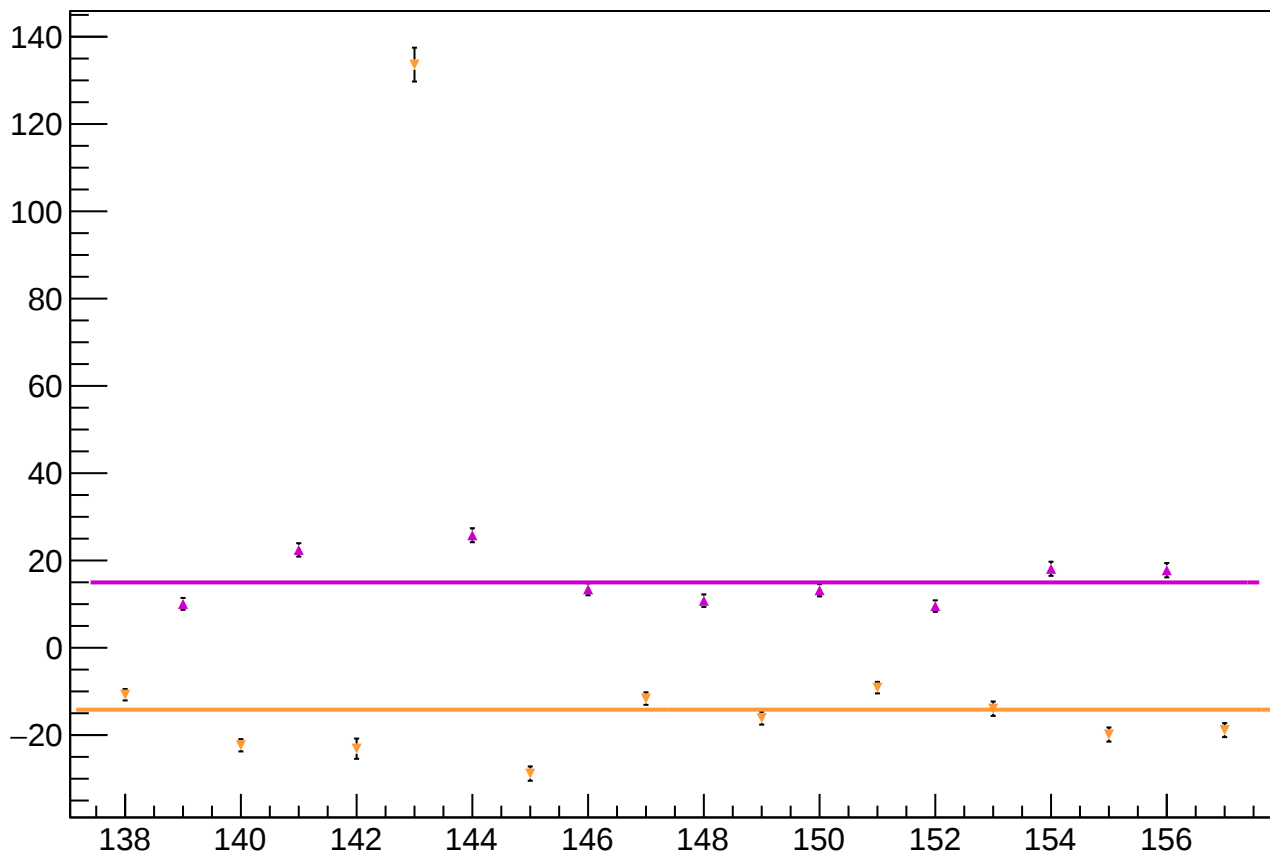
Left In: 155.350 $\pm$ 0.072 χ^2 /NDF: 51188.6/8

-119.553 $\pm$ 0.047 χ^2 /NDF: 1071658.7/27

-2.869 $\pm$ 0.034 χ^2 /NDF: 14405161.7/56

117.217 $\pm$ 0.048 χ^2 /NDF: 1063290.7/28

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -14.180+/-0.480 χ^2/NDF :1624.5/10

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

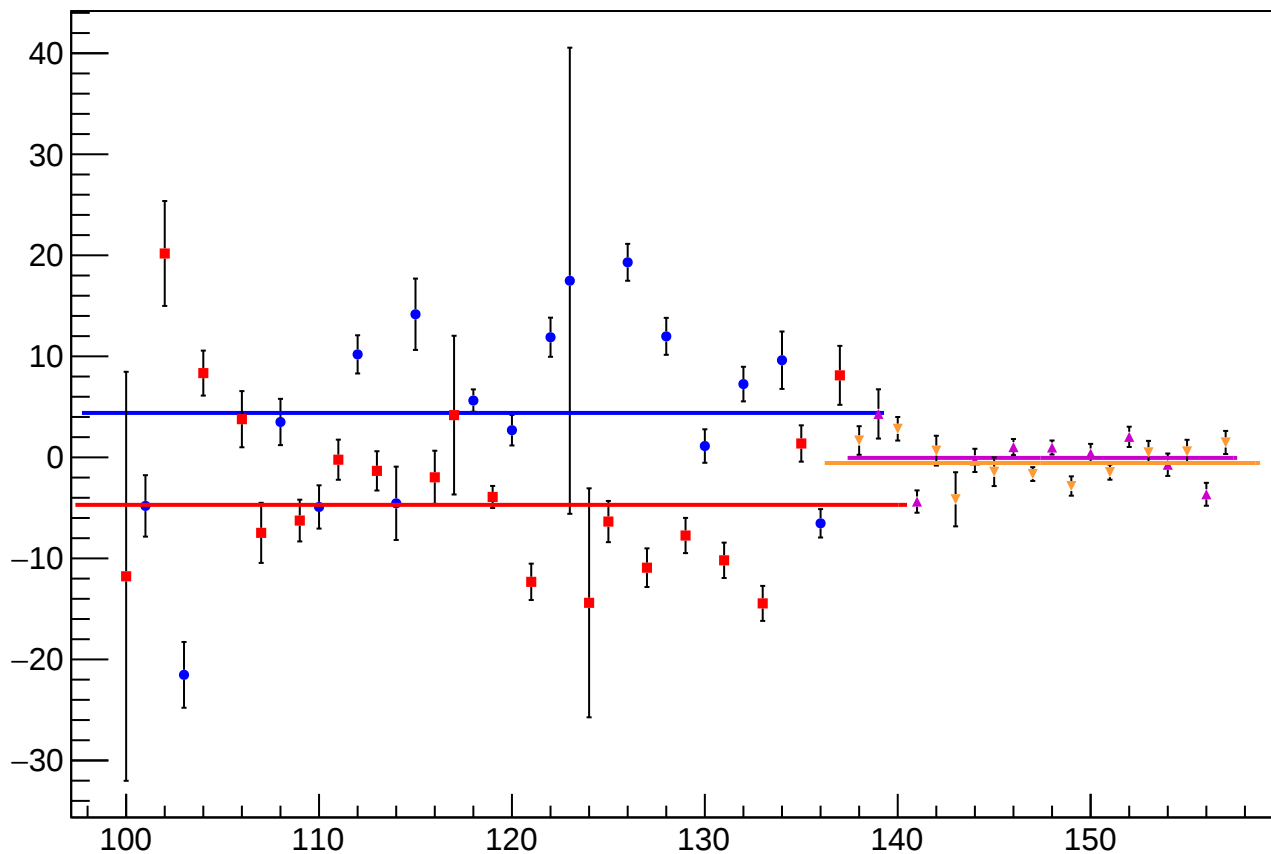
Left In: 14.974+/-0.488 χ^2/NDF :116.7/8

-14.180+/-0.480 χ^2/NDF : 1624.5/10

0.143+/-0.342 χ^2/NDF : 3556.1/19

14.974+/-0.488 χ^2/NDF : 116.7/8

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.399 ± 0.471 χ^2/NDF : 286.8/16

Left Out: -0.557 ± 0.322 χ^2/NDF : 28.5/10

Right Out: -4.700 ± 0.472 χ^2/NDF : 184.2/19

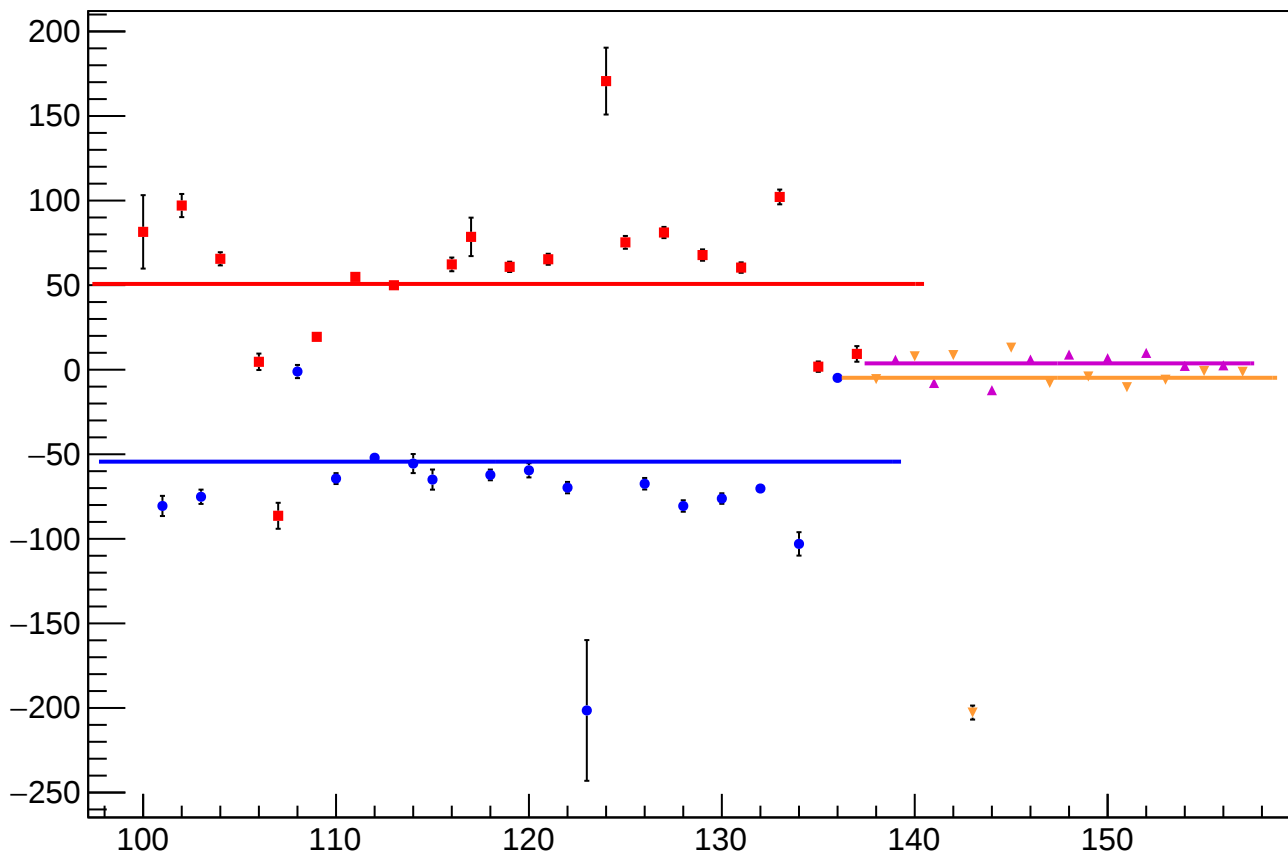
Left In: -0.051 ± 0.332 χ^2/NDF : 37.5/8

1.021 ± 0.266 χ^2/NDF : 390.7/27

-0.256 ± 0.190 χ^2/NDF : 724.4/56

-1.591 ± 0.272 χ^2/NDF : 286.5/28

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -54.365 ± 0.868 χ^2/NDF : 1013.5/16

Left Out: -4.780 ± 0.471 χ^2/NDF : 2529.7/10

Right Out: 50.712 ± 0.855 χ^2/NDF : 1327.3/19

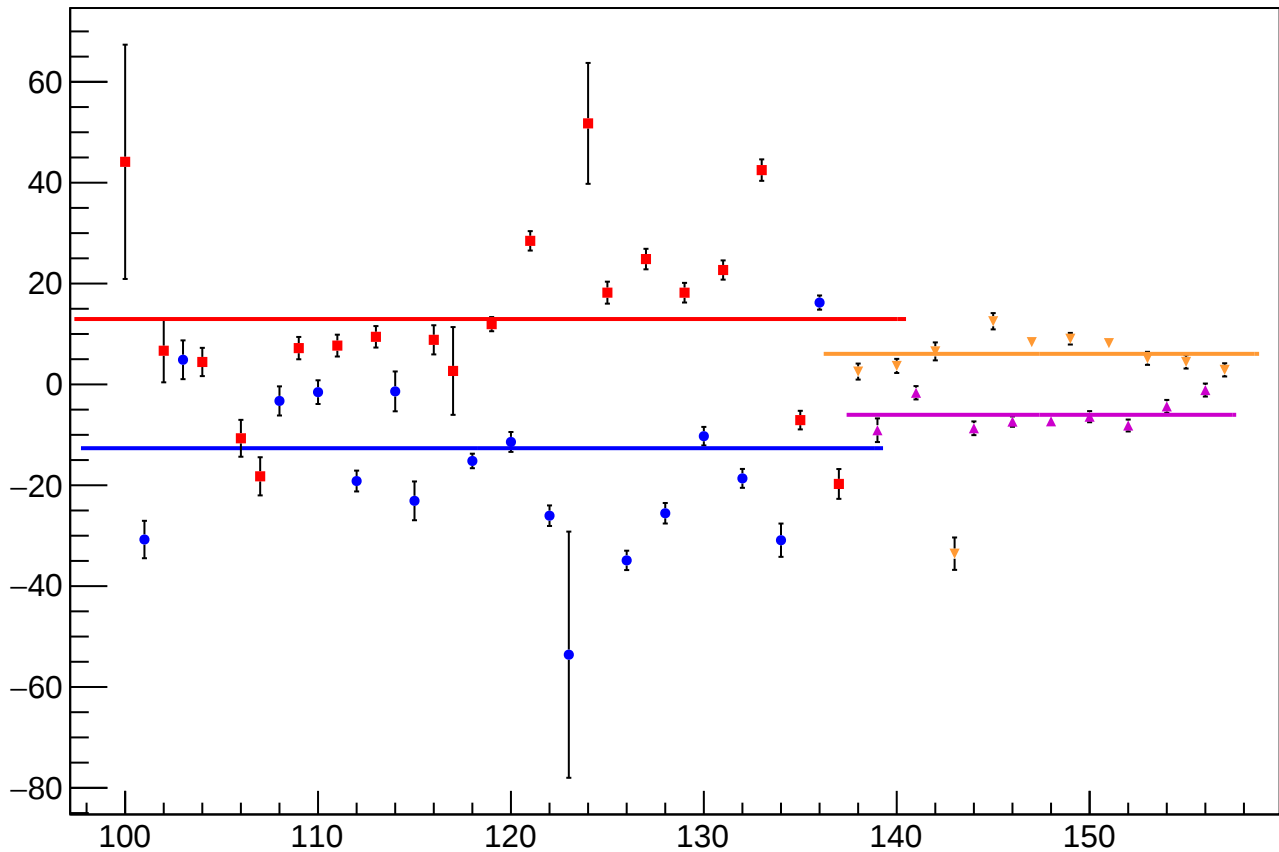
Left In: 3.739 ± 0.478 χ^2/NDF : 186.1/8

-16.047 ± 0.414 χ^2/NDF : 6063.6/27

-0.685 ± 0.294 χ^2/NDF : 12653.4/56

14.914 ± 0.417 χ^2/NDF : 3813.2/28

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.648 ± 0.536 χ^2/NDF : 788.4/16

Left Out: 6.061 ± 0.396 χ^2/NDF : 201.6/10

Right Out: 12.965 ± 0.536 χ^2/NDF : 722.8/19

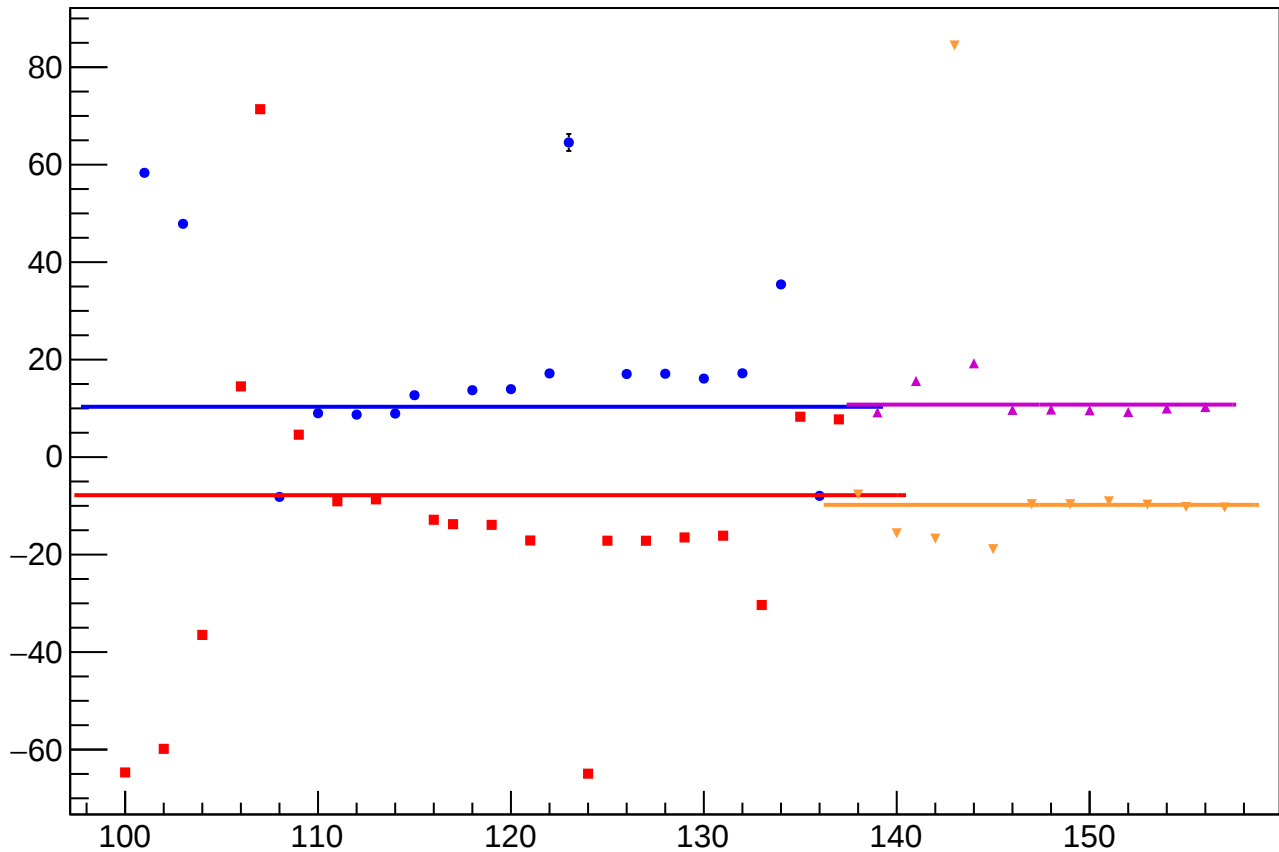
Left In: -6.027 ± 0.407 χ^2/NDF : 39.5/8

-0.532 ± 0.318 χ^2/NDF : 1778.2/27

0.174 ± 0.227 χ^2/NDF : 3346.3/56

0.905 ± 0.324 χ^2/NDF : 1558.1/28

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.330 ± 0.031 χ^2/NDF : 380857.1/16

Left Out: -9.795 ± 0.019 χ^2/NDF : 354698.3/10

Right Out: -7.808 ± 0.031 χ^2/NDF : 544249.7/19

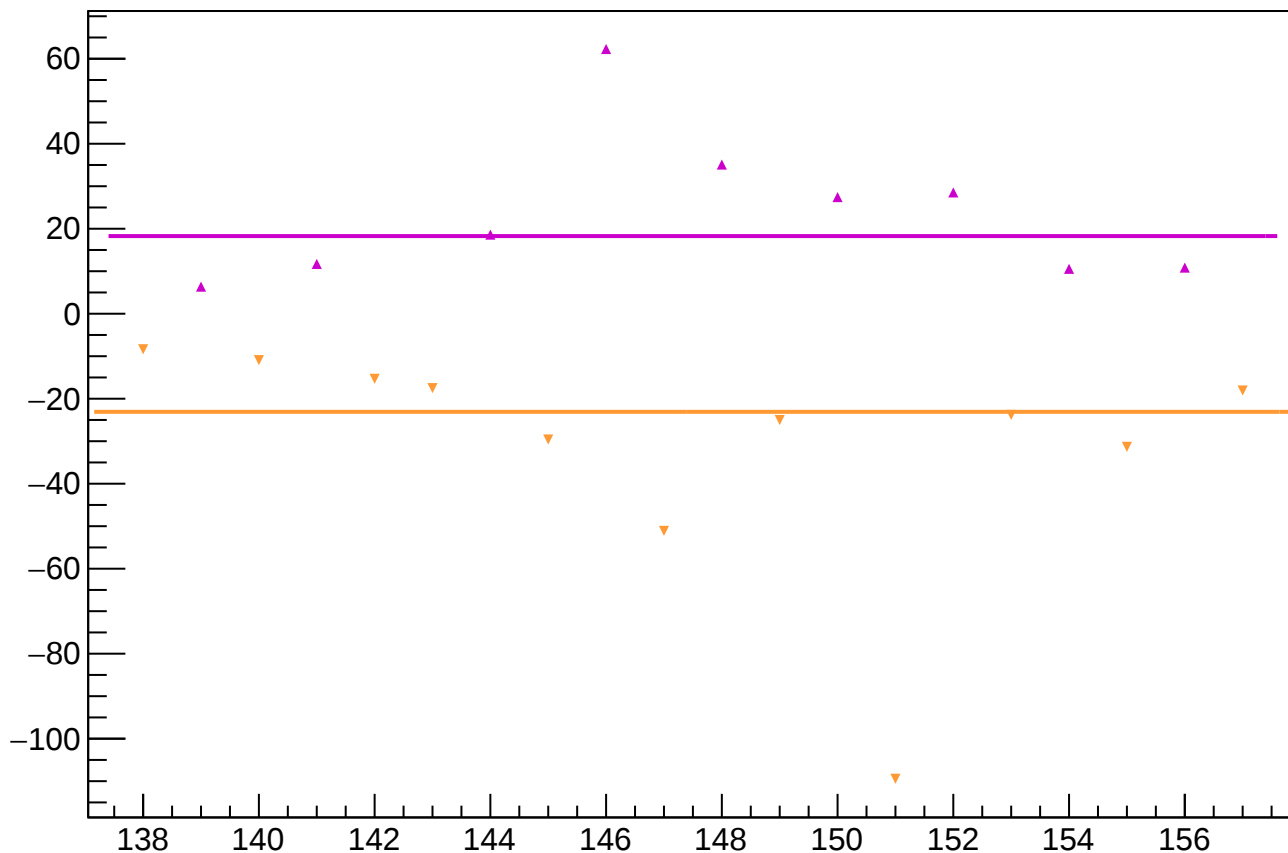
Left In: 10.770 ± 0.019 χ^2/NDF : 21307.2/8

-4.374 ± 0.016 χ^2/NDF : 1050027.2/27

0.656 ± 0.011 χ^2/NDF : 2077194.3/56

5.820 ± 0.016 χ^2/NDF : 824828.6/28

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -23.087+/-0.081 χ^2/NDF : 50366.3/10

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

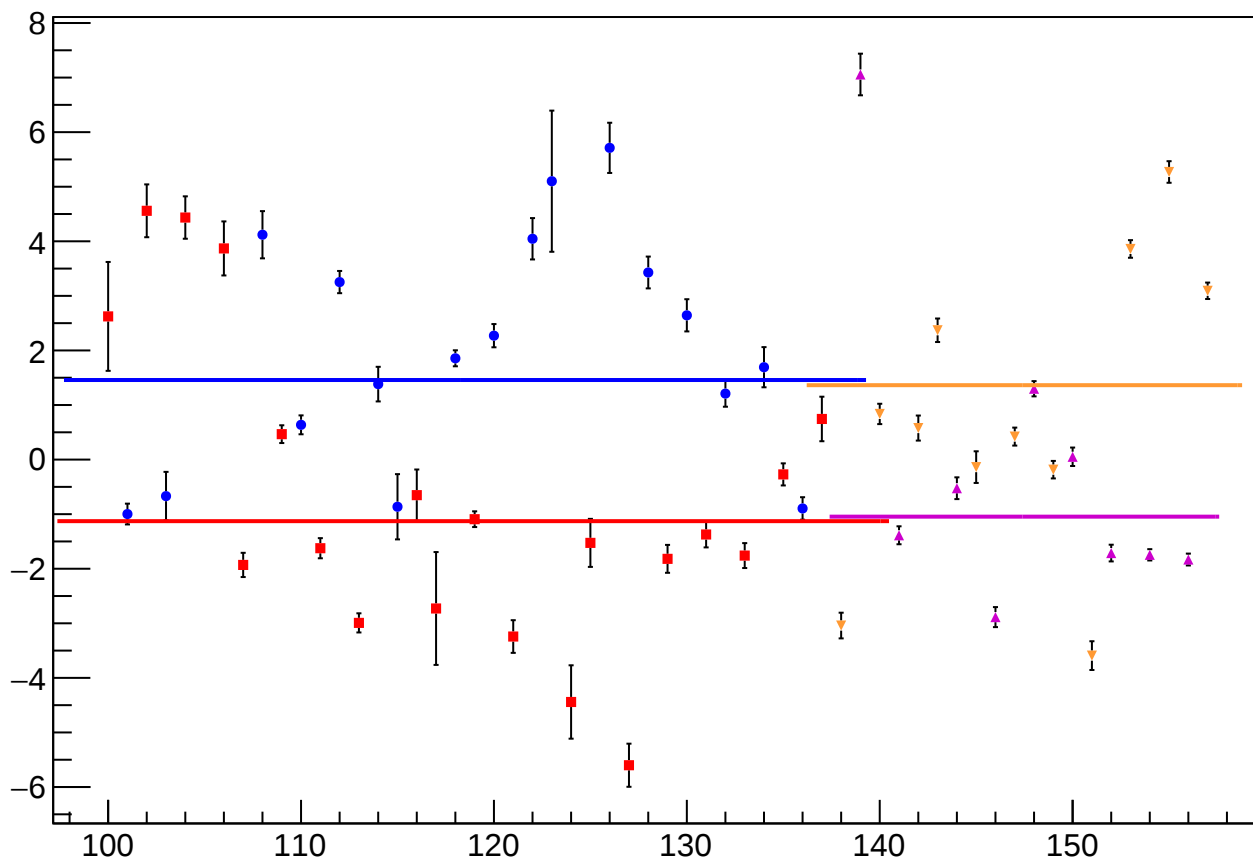
Left In: 18.270+/-0.072 χ^2/NDF : 35325.7/8

-23.087+/-0.081 χ^2/NDF : 50366.3/10

0.095+/-0.054 χ^2/NDF : 232117.7/19

18.270+/-0.072 χ^2/NDF : 35325.7/8

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.458 ± 0.062 χ^2/NDF : 698.2/16

Left Out: 1.363 ± 0.058 χ^2/NDF : 1659.9/10

Right Out: -1.128 ± 0.058 χ^2/NDF : 949.8/19

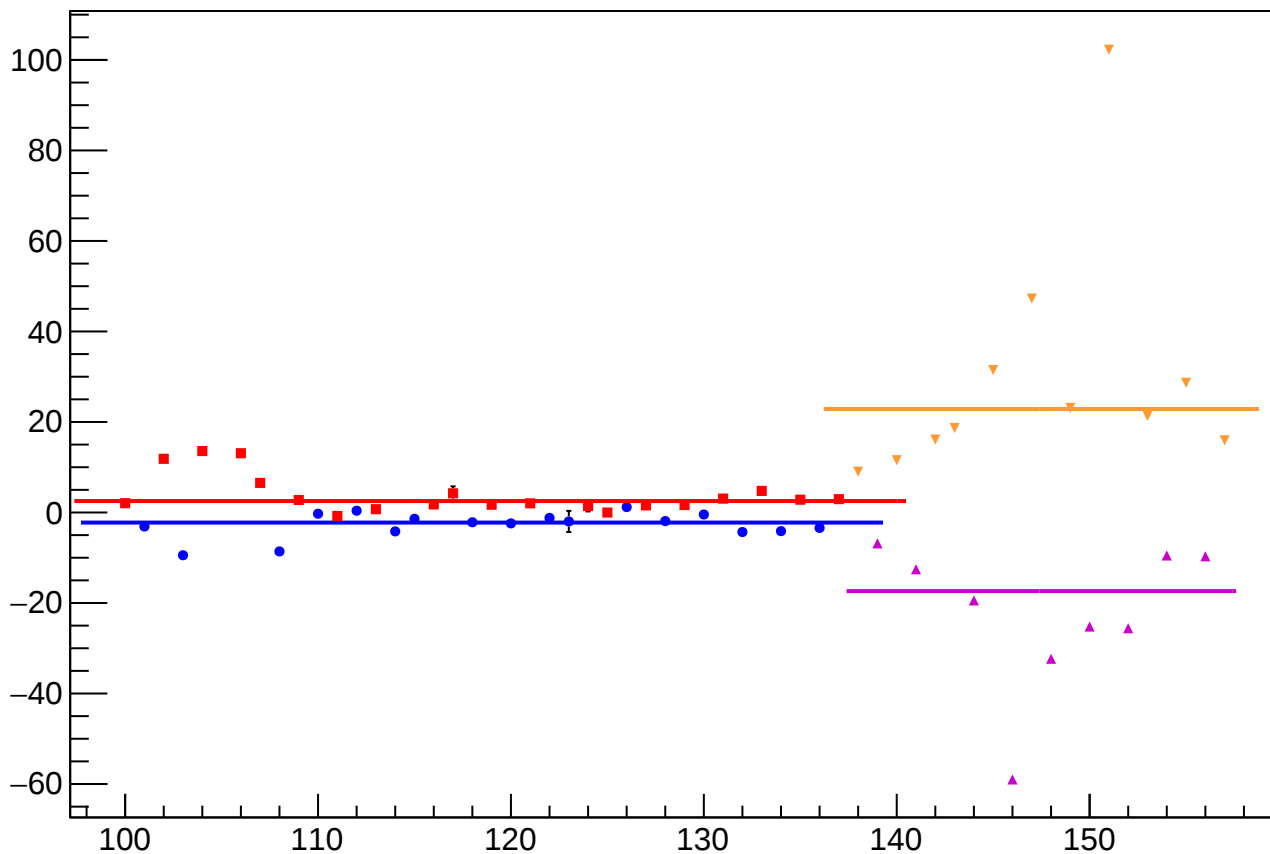
Left In: -1.046 ± 0.050 χ^2/NDF : 1003.0/8

1.408 ± 0.042 χ^2/NDF : 2359.3/27

0.021 ± 0.028 χ^2/NDF : 6238.6/56

-1.081 ± 0.038 χ^2/NDF : 1954.0/28

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.228 ± 0.111 $\chi^2/\text{NDF}: 460.4/16$

Left Out: 22.864 ± 0.080 $\chi^2/\text{NDF}: 45476.2/10$

Right Out: 2.527 ± 0.099 $\chi^2/\text{NDF}: 905.2/19$

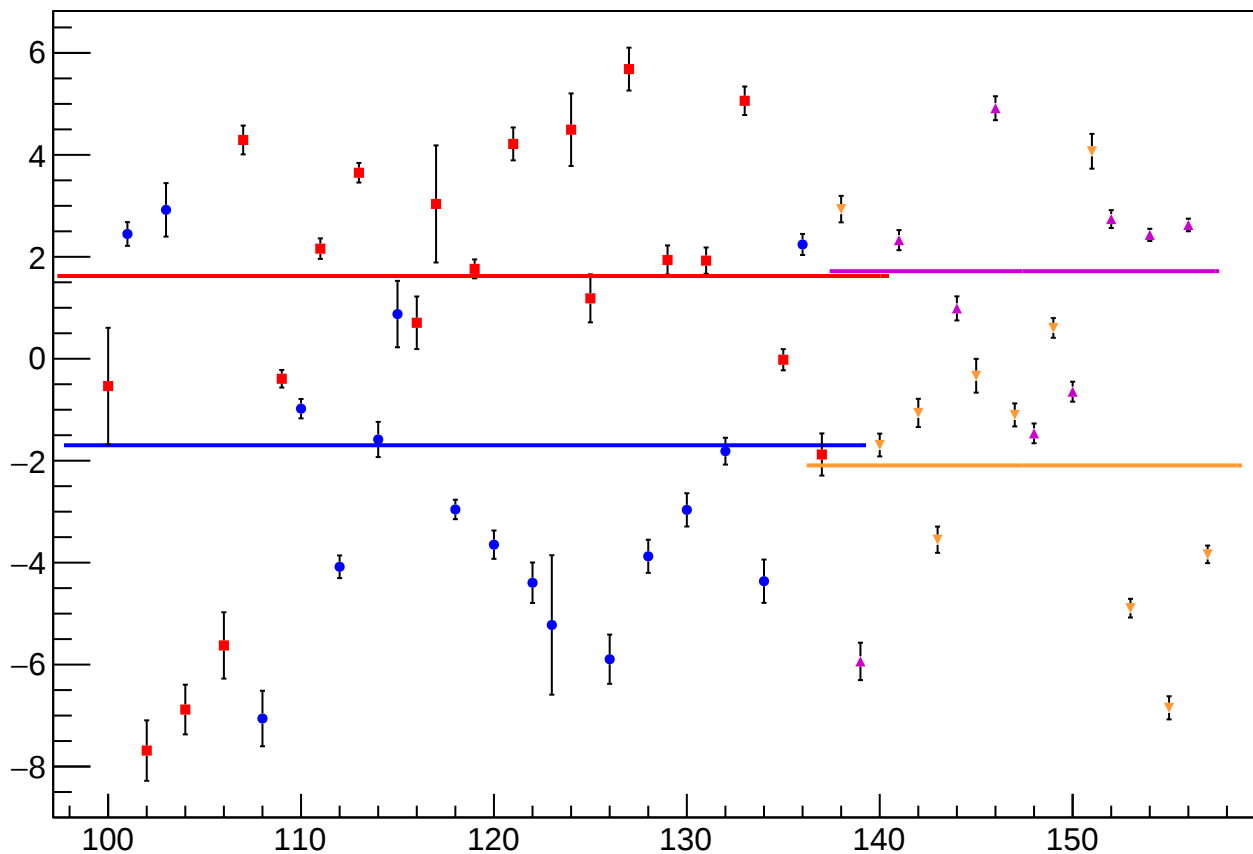
Left In: -17.376 ± 0.069 $\chi^2/\text{NDF}: 33453.9/8$

14.324 ± 0.065 $\chi^2/\text{NDF}: 79482.5/27$

0.048 ± 0.043 $\chi^2/\text{NDF}: 226288.2/56$

-10.827 ± 0.057 $\chi^2/\text{NDF}: 61602.4/28$

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.697 ± 0.071 χ^2/NDF : 1319.4/16

Left Out: -2.093 ± 0.069 χ^2/NDF : 1765.6/10

Right Out: 1.623 ± 0.066 χ^2/NDF : 1490.8/19

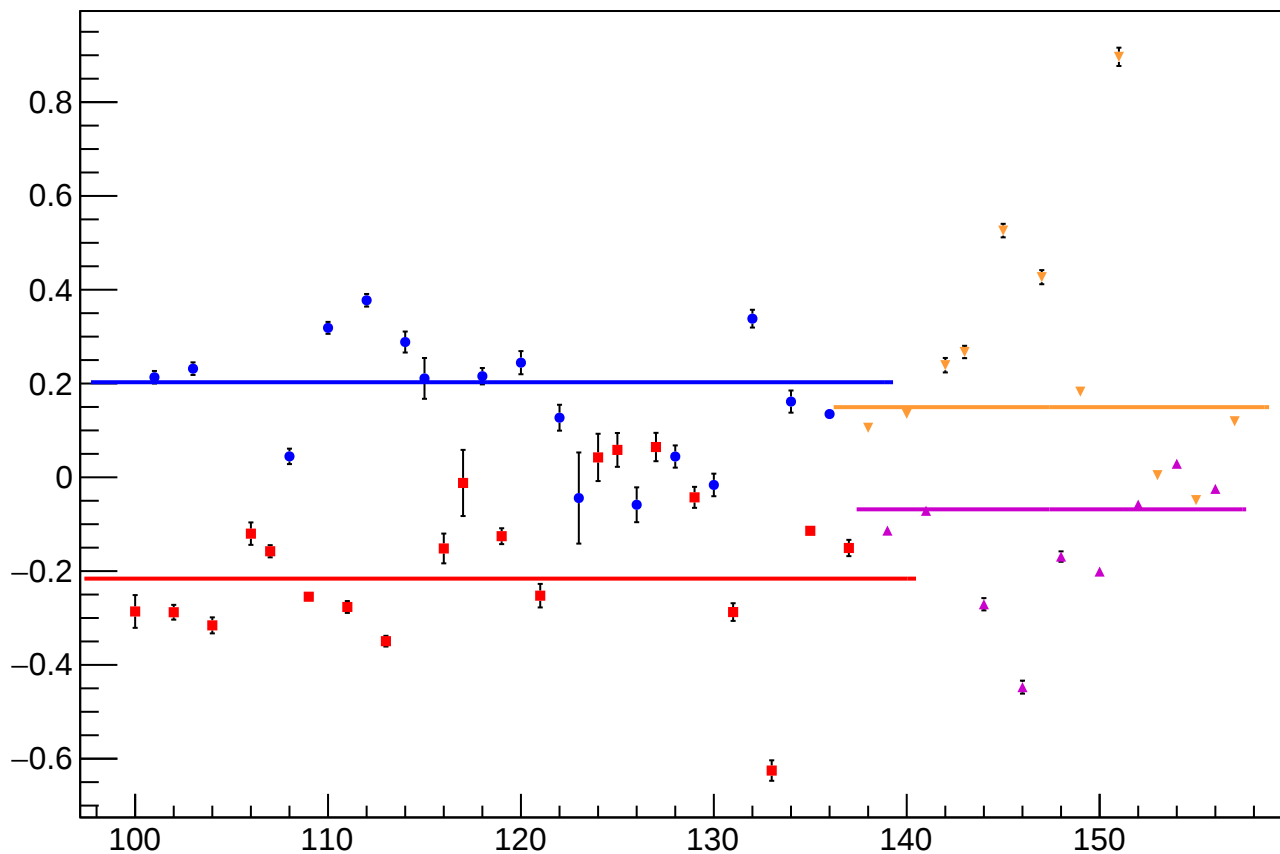
Left In: 1.718 ± 0.059 χ^2/NDF : 1178.4/8

-1.901 ± 0.050 χ^2/NDF : 3100.9/27

0.108 ± 0.033 χ^2/NDF : 8699.7/56

1.676 ± 0.044 χ^2/NDF : 2670.3/28

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.203 ± 0.004 χ^2/NDF : 676.5/16

Left Out: 0.150 ± 0.003 χ^2/NDF : 3499.0/10

Right Out: -0.216 ± 0.004 χ^2/NDF : 1072.8/19

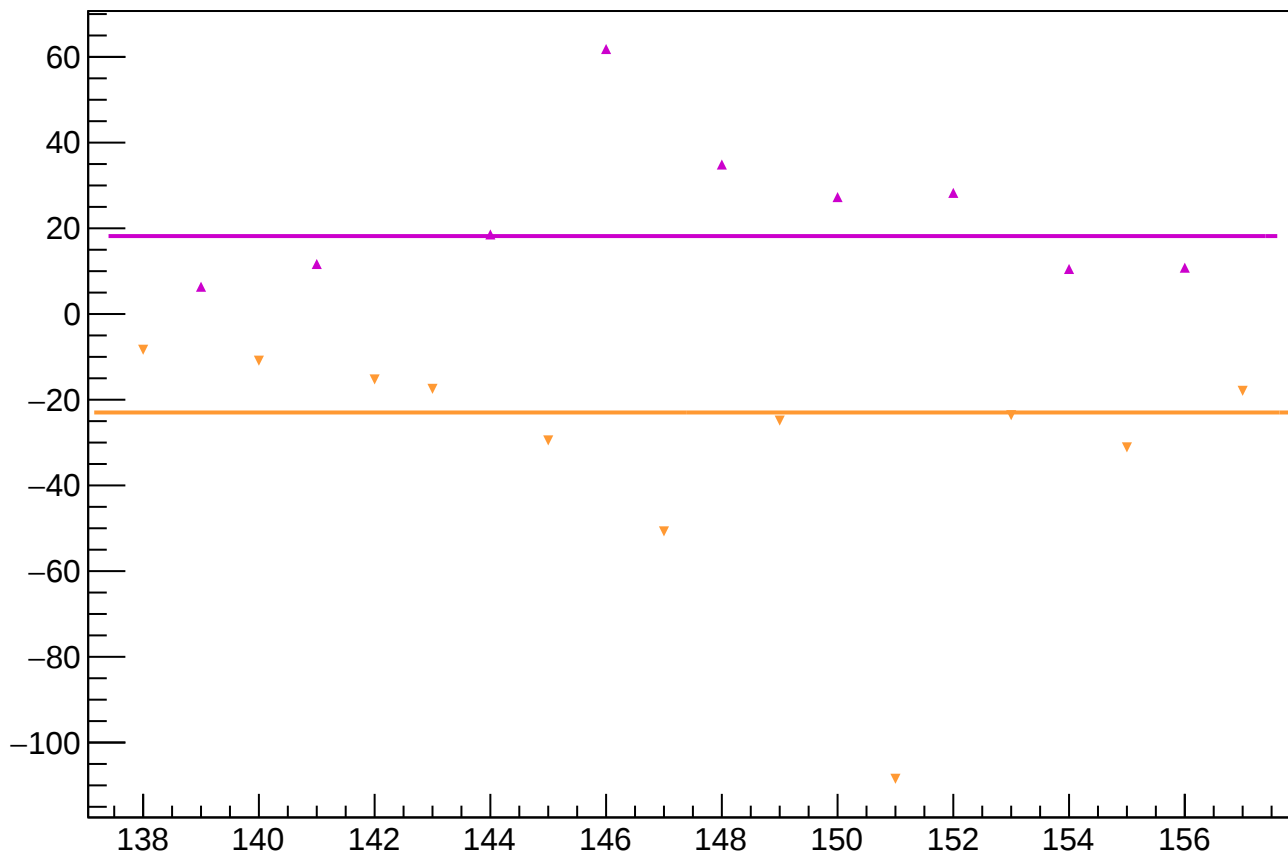
Left In: -0.068 ± 0.003 χ^2/NDF : 1762.6/8

0.168 ± 0.002 χ^2/NDF : 4281.8/27

0.003 ± 0.002 χ^2/NDF : 15953.6/56

-0.115 ± 0.002 χ^2/NDF : 3927.2/28

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -22.978+/-0.080 χ^2/NDF : 50256.8/10

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

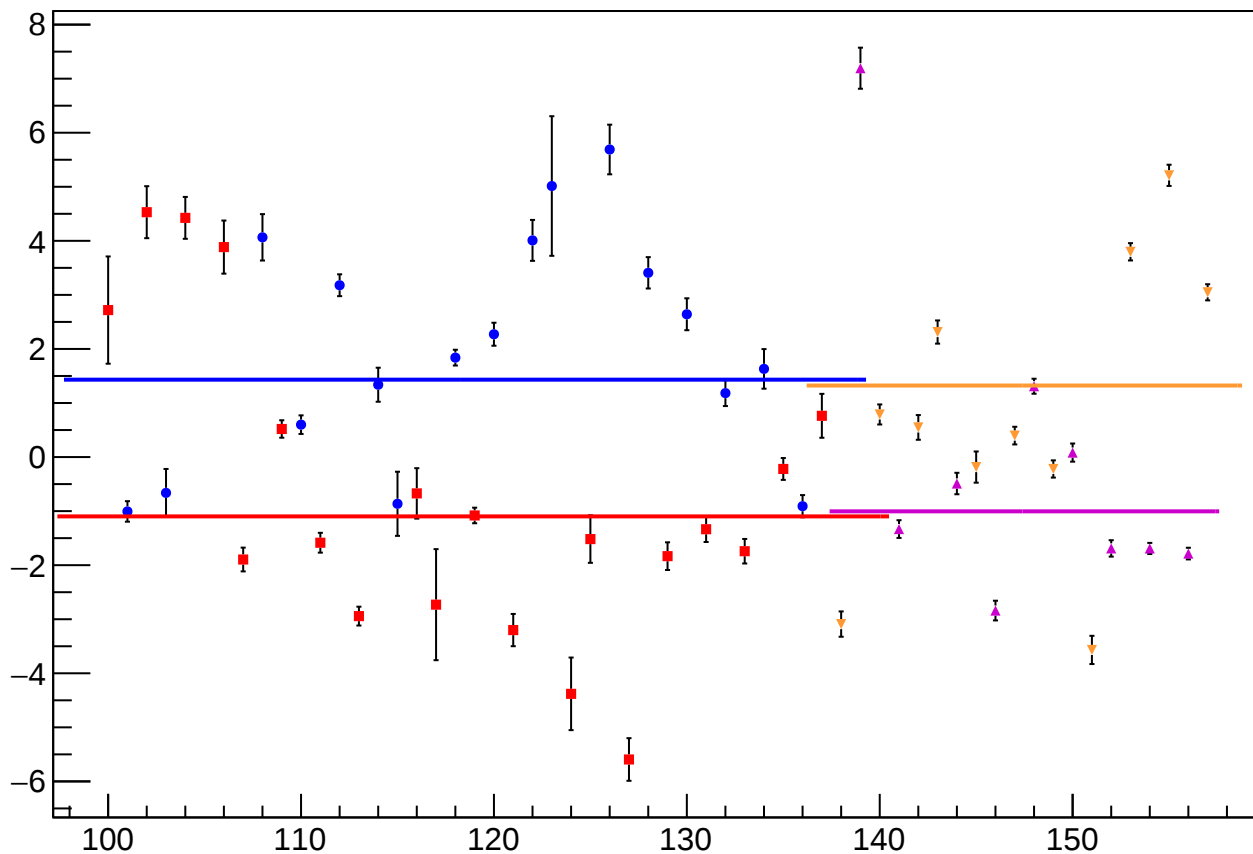
Left In: 18.189+/-0.071 χ^2/NDF : 35246.7/8

-22.978+/-0.080 χ^2/NDF : 50256.8/10

0.098+/-0.053 χ^2/NDF : 232380.1/19

18.189+/-0.071 χ^2/NDF : 35246.7/8

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.432 ± 0.062 χ^2/NDF : 696.6/16

Left Out: 1.323 ± 0.058 χ^2/NDF : 1664.6/10

Right Out: -1.098 ± 0.058 χ^2/NDF : 955.7/19

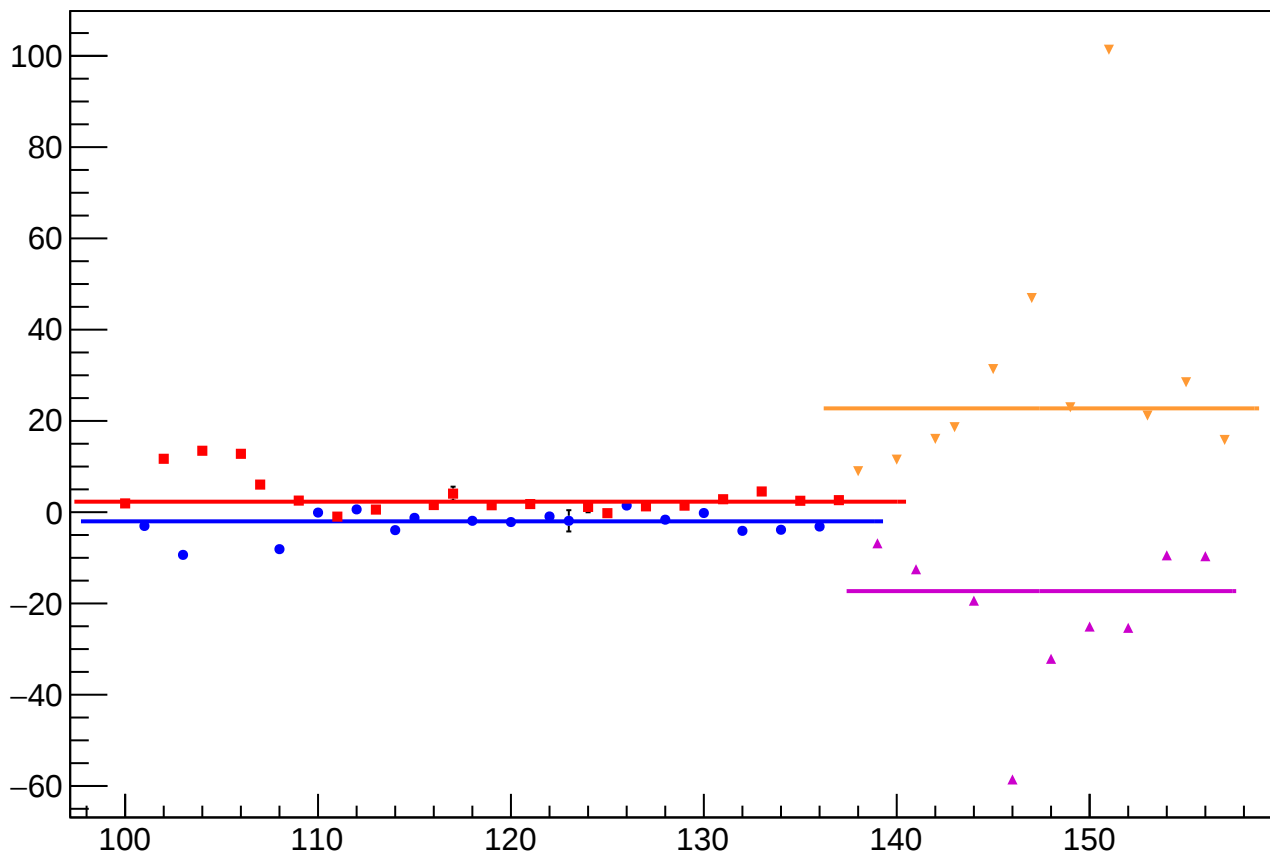
Left In: -1.004 ± 0.049 χ^2/NDF : 1015.6/8

1.374 ± 0.042 χ^2/NDF : 2362.8/27

0.027 ± 0.028 χ^2/NDF : 6173.6/56

-1.044 ± 0.038 χ^2/NDF : 1972.8/28

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.005 ± 0.111 $\chi^2/\text{NDF}: 463.1/16$

Left Out: 22.749 ± 0.079 $\chi^2/\text{NDF}: 45392.2/10$

Right Out: 2.302 ± 0.098 $\chi^2/\text{NDF}: 908.6/19$

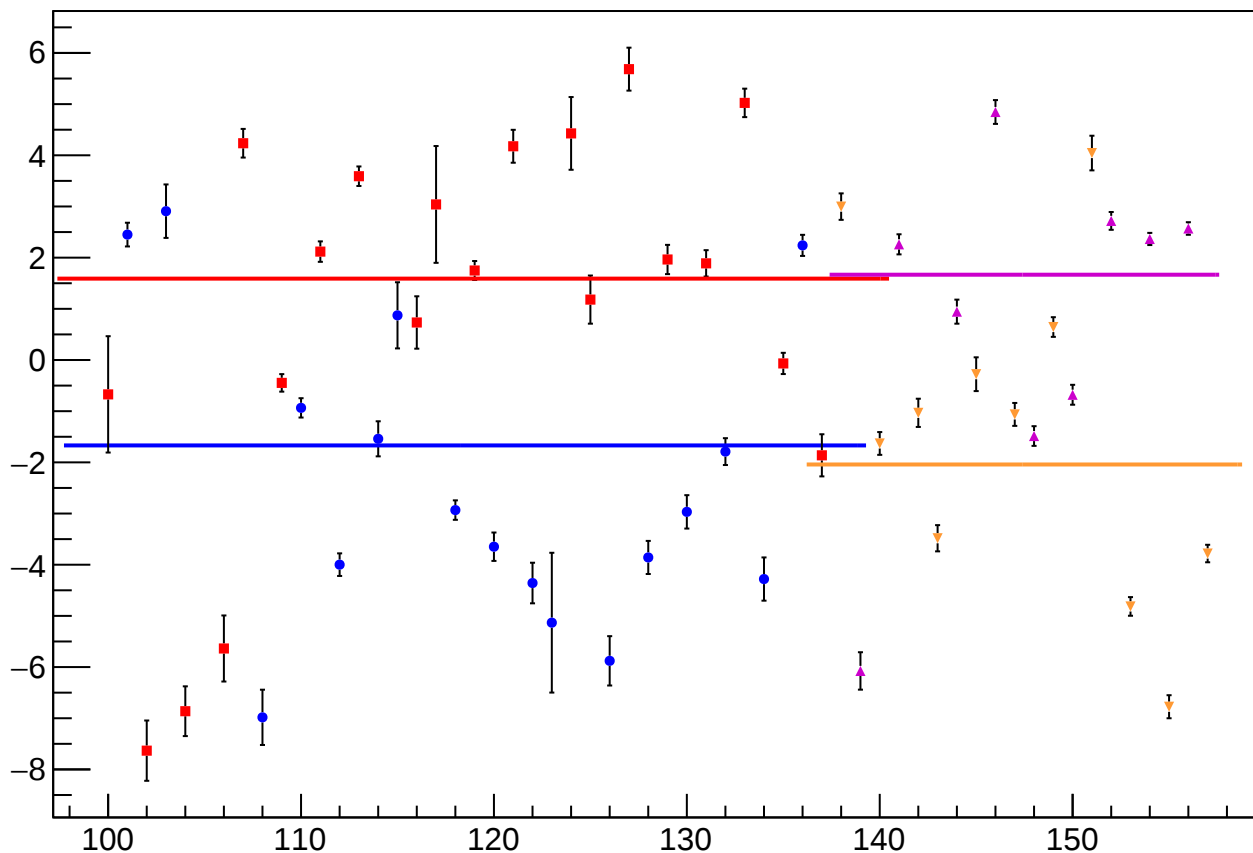
Left In: -17.297 ± 0.069 $\chi^2/\text{NDF}: 33386.5/8$

14.339 ± 0.065 $\chi^2/\text{NDF}: 78858.9/27$

0.037 ± 0.042 $\chi^2/\text{NDF}: 226387.5/56$

-10.856 ± 0.056 $\chi^2/\text{NDF}: 61008.9/28$

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.669 ± 0.071 χ^2/NDF : 1314.9/16

Left Out: -2.041 ± 0.069 χ^2/NDF : 1771.4/10

Right Out: 1.590 ± 0.065 χ^2/NDF : 1496.3/19

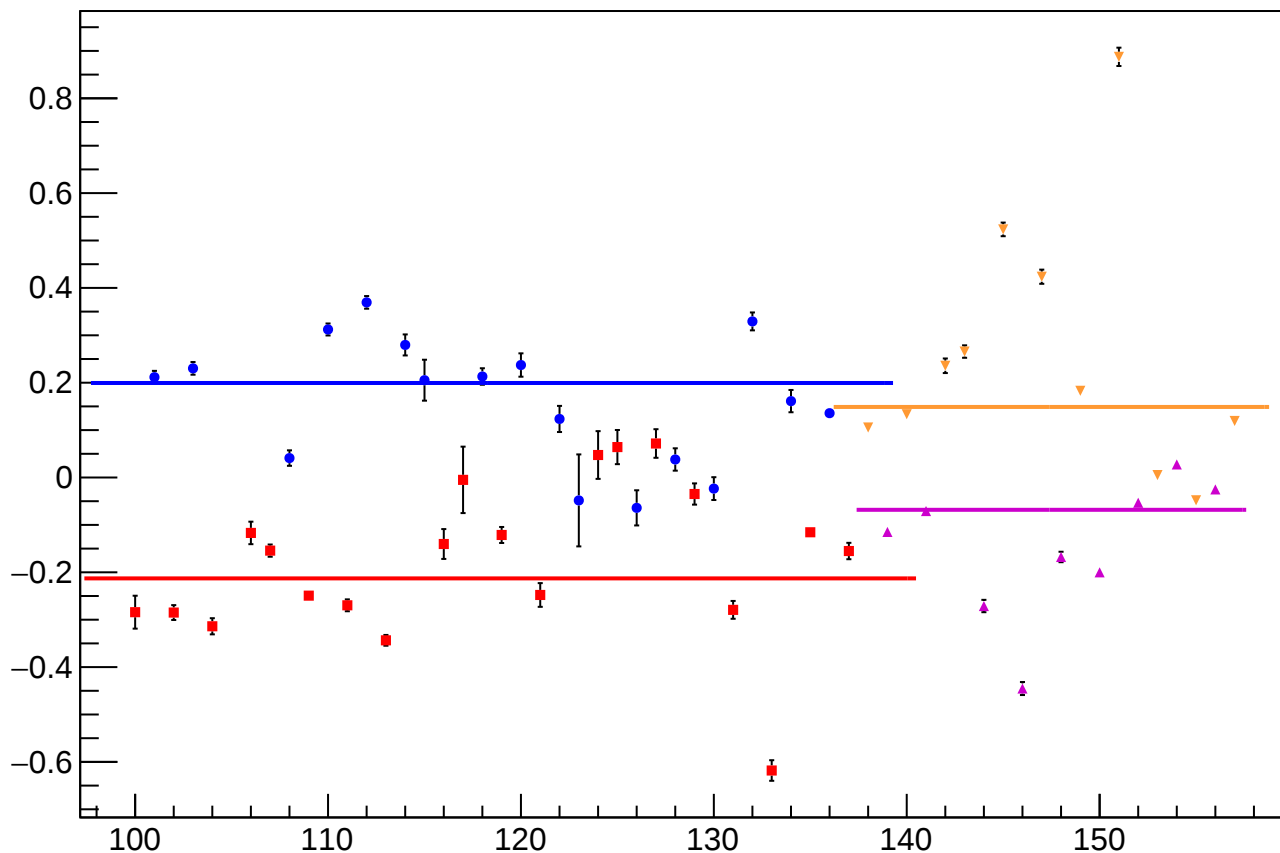
Left In: 1.667 ± 0.058 χ^2/NDF : 1193.0/8

-1.861 ± 0.049 χ^2/NDF : 3100.6/27

0.102 ± 0.033 χ^2/NDF : 8616.6/56

1.633 ± 0.044 χ^2/NDF : 2690.1/28

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.199 ± 0.004 $\chi^2/\text{NDF}: 662.1/16$

Left Out: 0.149 ± 0.003 $\chi^2/\text{NDF}: 3489.1/10$

Right Out: -0.213 ± 0.004 $\chi^2/\text{NDF}: 1057.0/19$

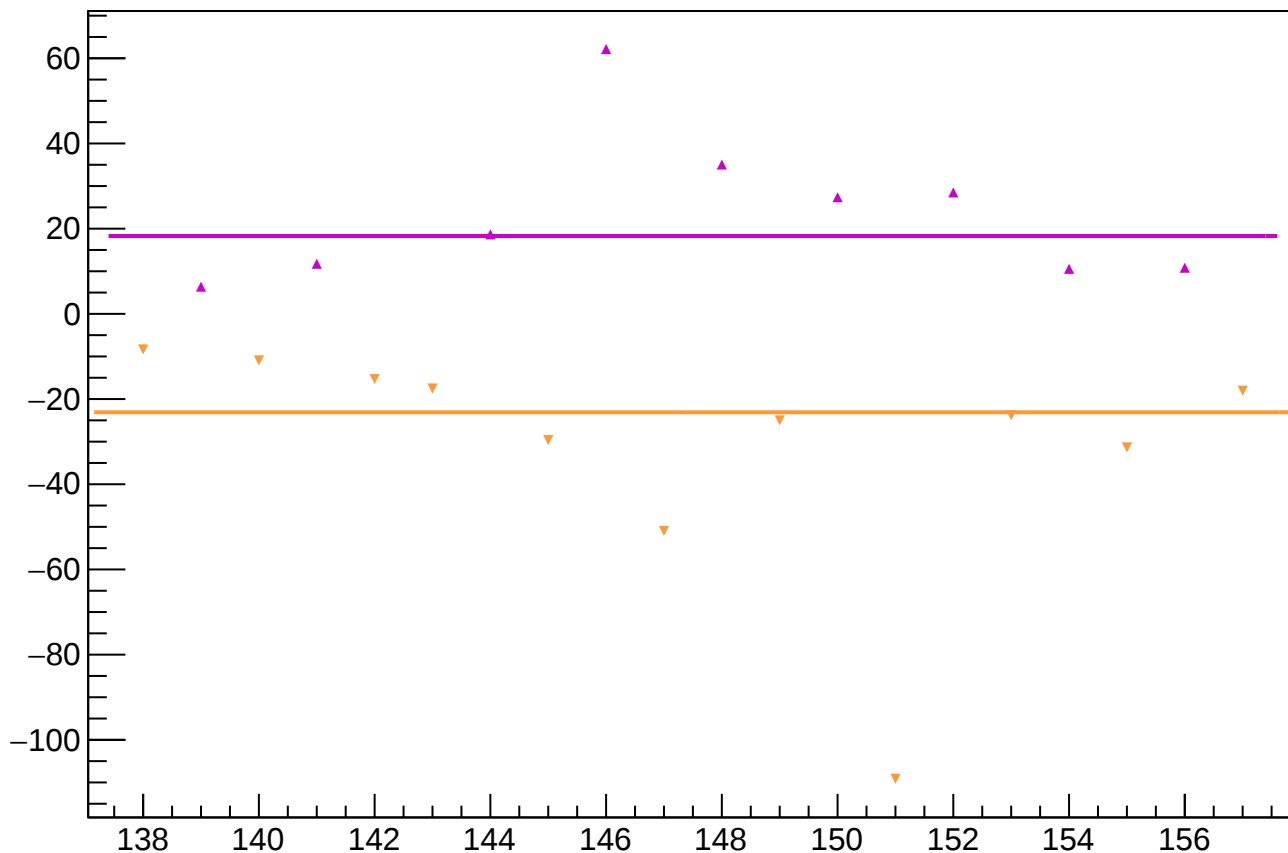
Left In: -0.068 ± 0.003 $\chi^2/\text{NDF}: 1764.3/8$

0.167 ± 0.002 $\chi^2/\text{NDF}: 4248.6/27$

0.003 ± 0.002 $\chi^2/\text{NDF}: 15805.4/56$

-0.114 ± 0.002 $\chi^2/\text{NDF}: 3880.3/28$

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -23.102+/-0.081 χ^2/NDF : 50367.2/10

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

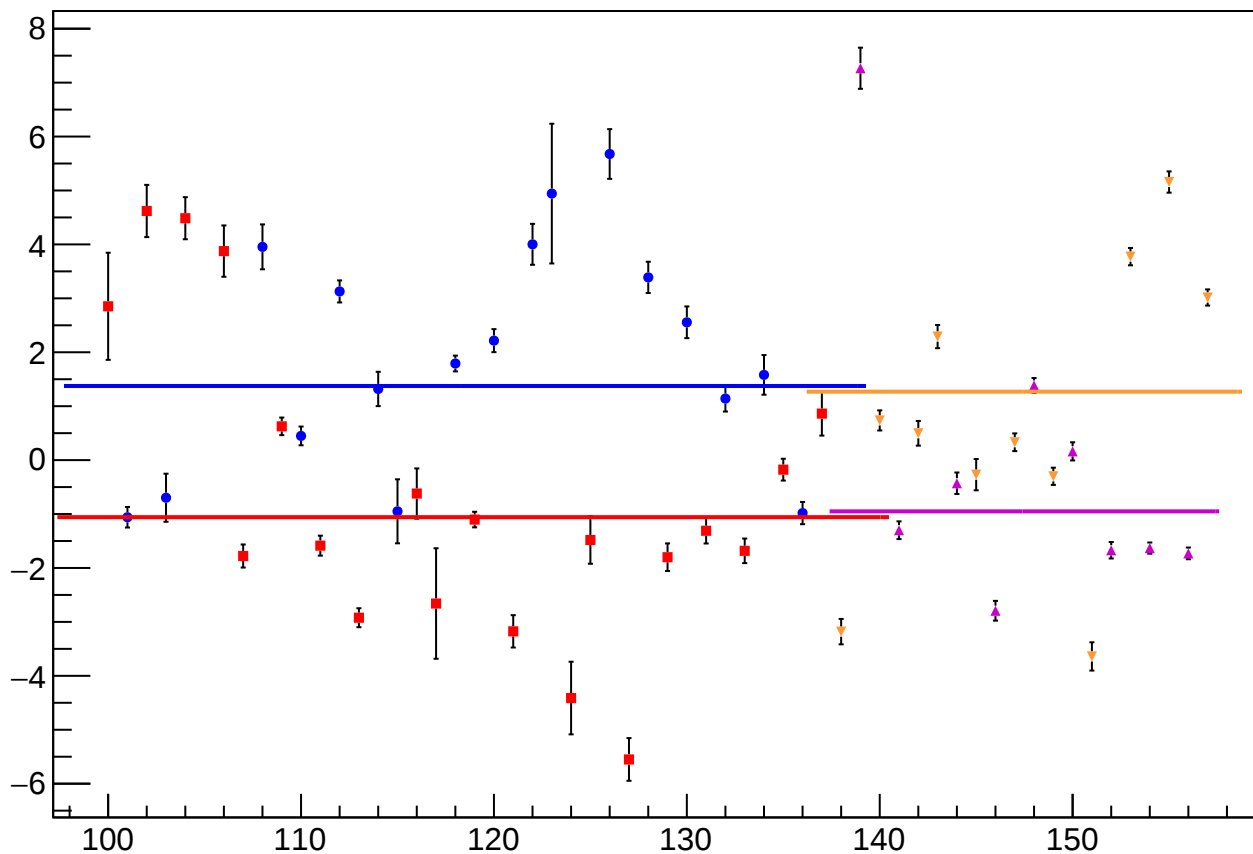
Left In: 18.272+/-0.071 χ^2/NDF : 35346.2/8

-23.102+/-0.081 χ^2/NDF : 50367.2/10

0.102+/-0.054 χ^2/NDF : 232808.5/19

18.272+/-0.071 χ^2/NDF : 35346.2/8

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.375 ± 0.062 χ^2/NDF : 702.4/16

Left Out: 1.269 ± 0.058 χ^2/NDF : 1672.2/10

Right Out: -1.058 ± 0.058 χ^2/NDF : 966.5/19

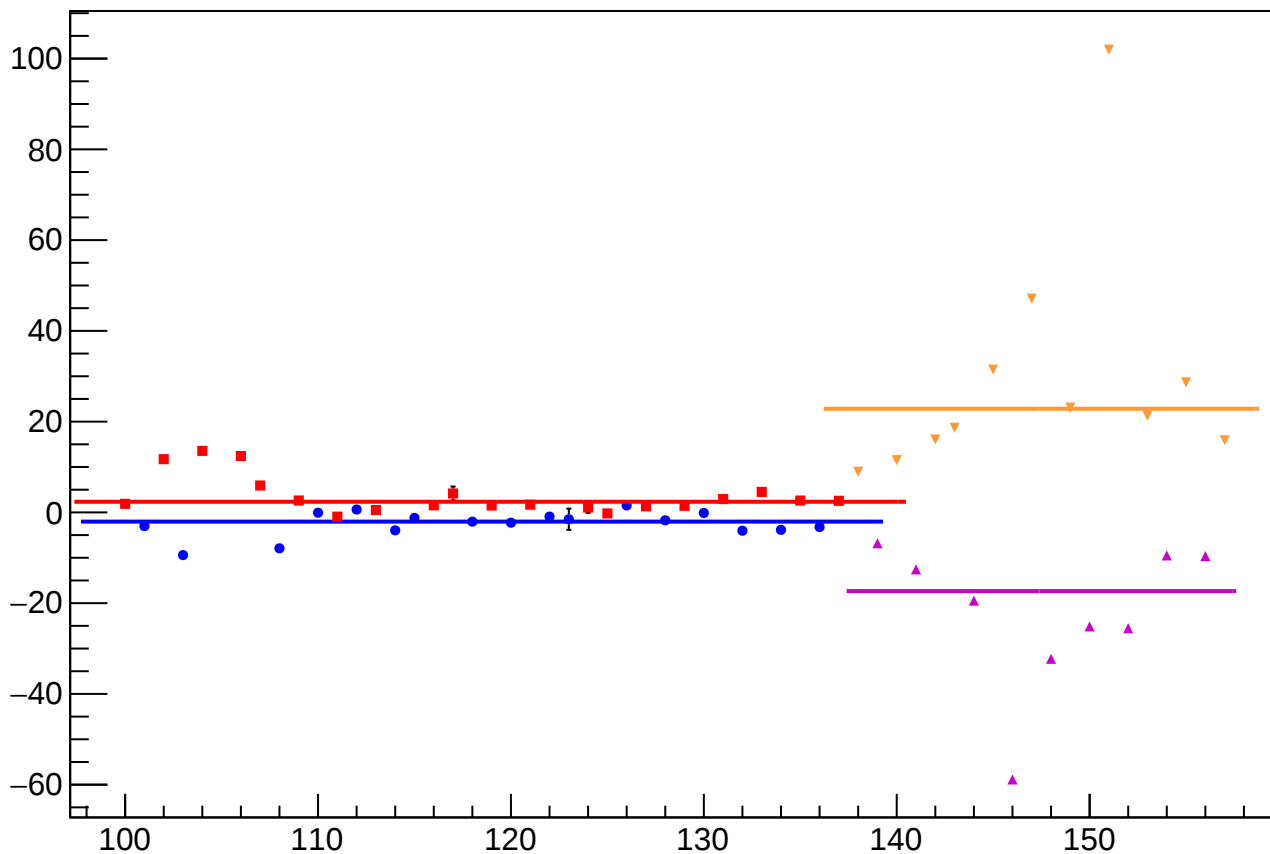
Left In: -0.950 ± 0.050 χ^2/NDF : 1018.1/8

1.318 ± 0.042 χ^2/NDF : 2376.1/27

0.028 ± 0.028 χ^2/NDF : 6033.4/56

-0.996 ± 0.038 χ^2/NDF : 1986.6/28

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: 22.840 ± 0.080 χ^2/NDF : 45482.7/10

Right Out: 2.344 ± 0.099 χ^2/NDF : 903.4/19

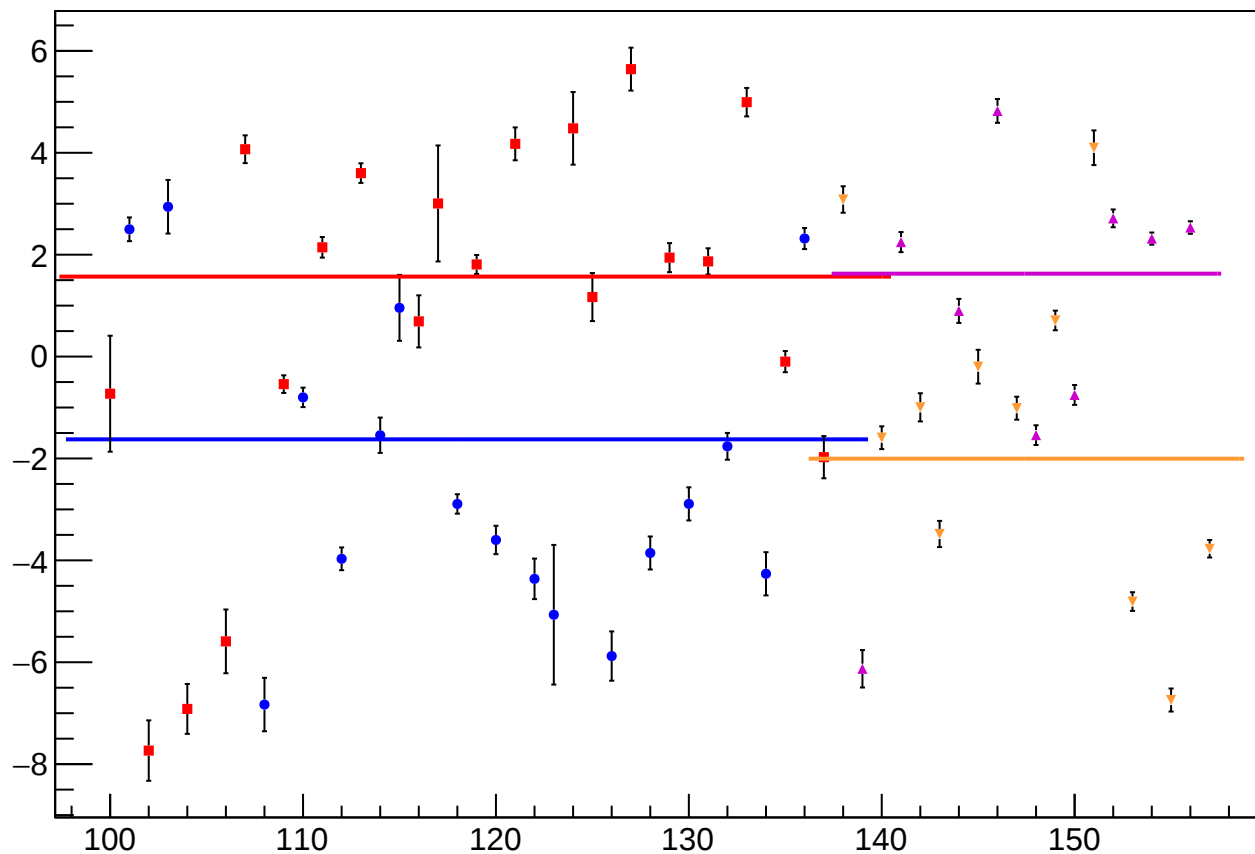
Left In: -17.339 ± 0.069 χ^2/NDF : 33491.9/8

14.399 ± 0.065 χ^2/NDF : 78929.6/27

0.043 ± 0.043 χ^2/NDF : 226330.7/56

-10.879 ± 0.057 χ^2/NDF : 61095.2/28

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.625 ± 0.071 χ^2/NDF : 1320.8/16

Left Out: -2.004 ± 0.069 χ^2/NDF : 1780.3/10

Right Out: 1.570 ± 0.065 χ^2/NDF : 1507.4/19

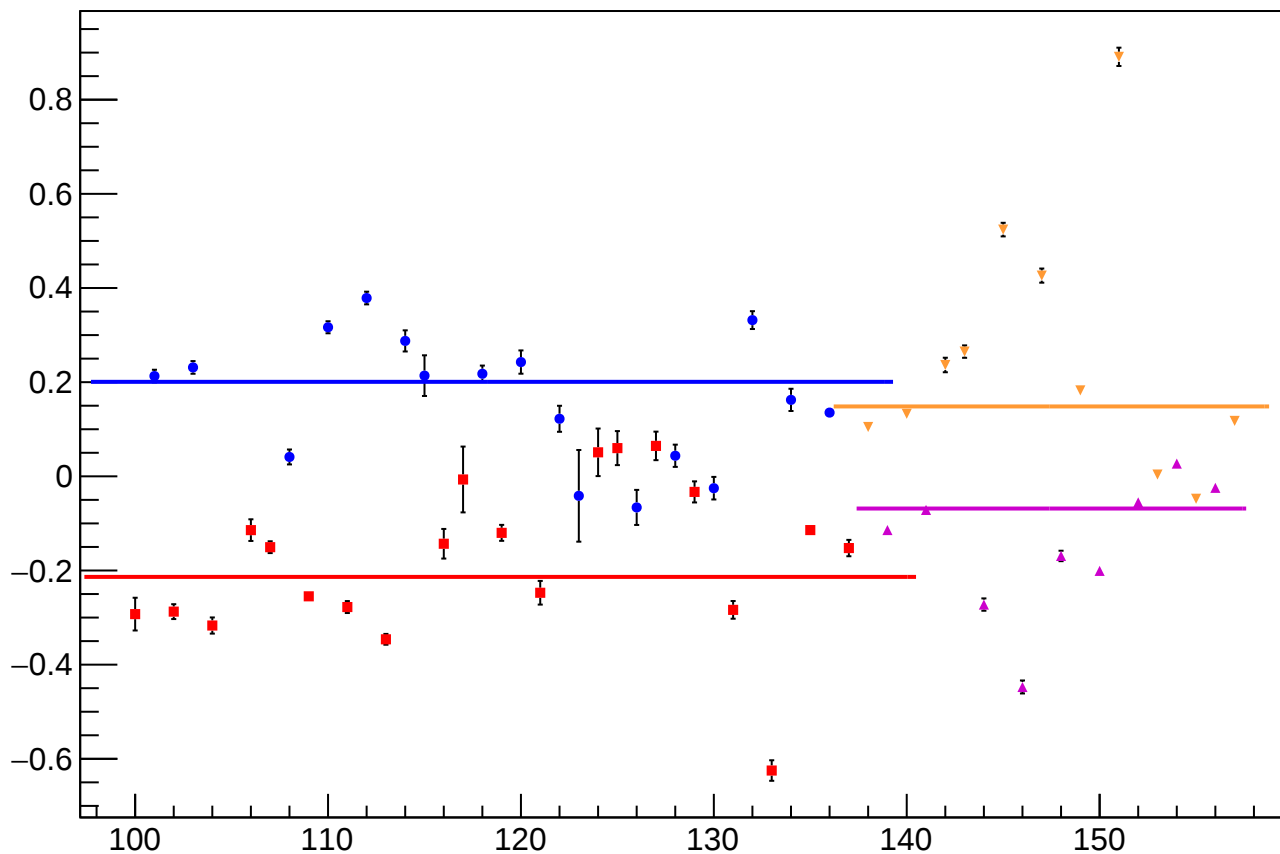
Left In: 1.627 ± 0.059 χ^2/NDF : 1195.8/8

-1.820 ± 0.049 χ^2/NDF : 3115.8/27

0.104 ± 0.033 χ^2/NDF : 8508.4/56

1.602 ± 0.044 χ^2/NDF : 2703.6/28

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 ± 0.004 χ^2/NDF : 690.6/16

Left Out: 0.148 ± 0.003 χ^2/NDF : 3483.6/10

Right Out: -0.214 ± 0.004 χ^2/NDF : 1089.2/19

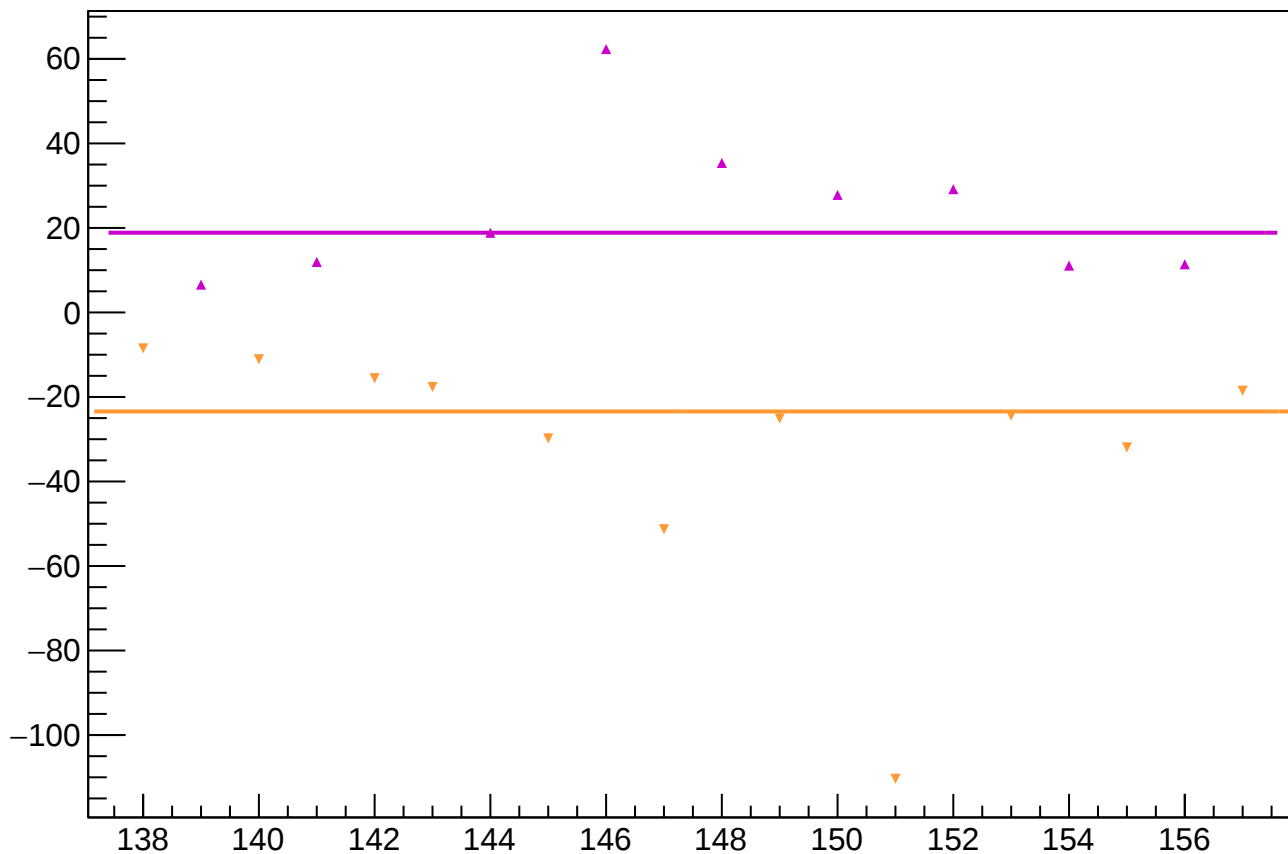
Left In: -0.068 ± 0.003 χ^2/NDF : 1763.3/8

0.167 ± 0.002 χ^2/NDF : 4277.5/27

0.003 ± 0.002 χ^2/NDF : 15849.8/56

-0.115 ± 0.002 χ^2/NDF : 3913.4/28

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -23.428+/-0.082 χ^2/NDF : 50222.6/10

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

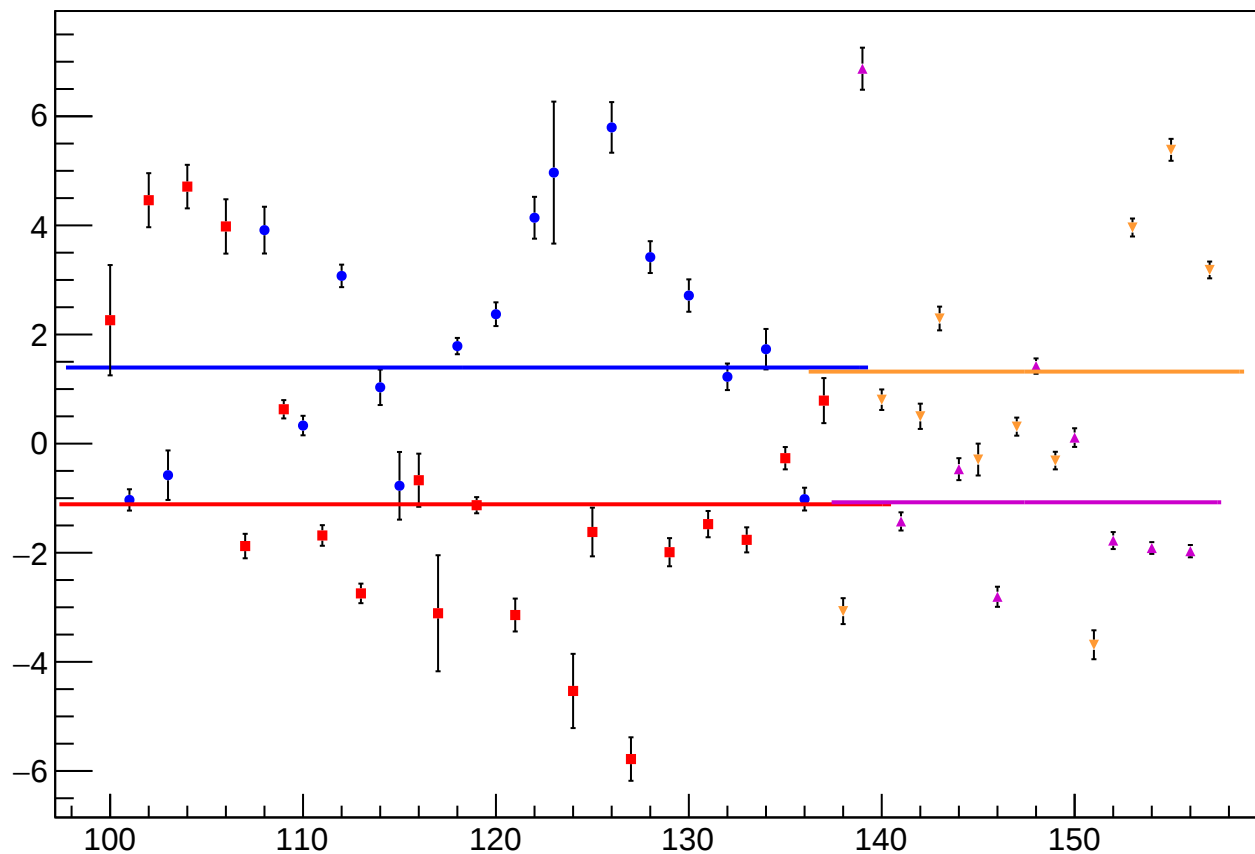
Left In: 18.869+/-0.073 χ^2/NDF : 34321.8/8

-23.428+/-0.082 χ^2/NDF : 50222.6/10

0.077+/-0.055 χ^2/NDF : 232709.5/19

18.869+/-0.073 χ^2/NDF : 34321.8/8

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.395 $\pm$ 0.063 χ^2/NDF : 701.4/16

Left Out: 1.320 $\pm$ 0.059 χ^2/NDF : 1721.1/10

Right Out: -1.112 $\pm$ 0.059 χ^2/NDF : 940.5/19

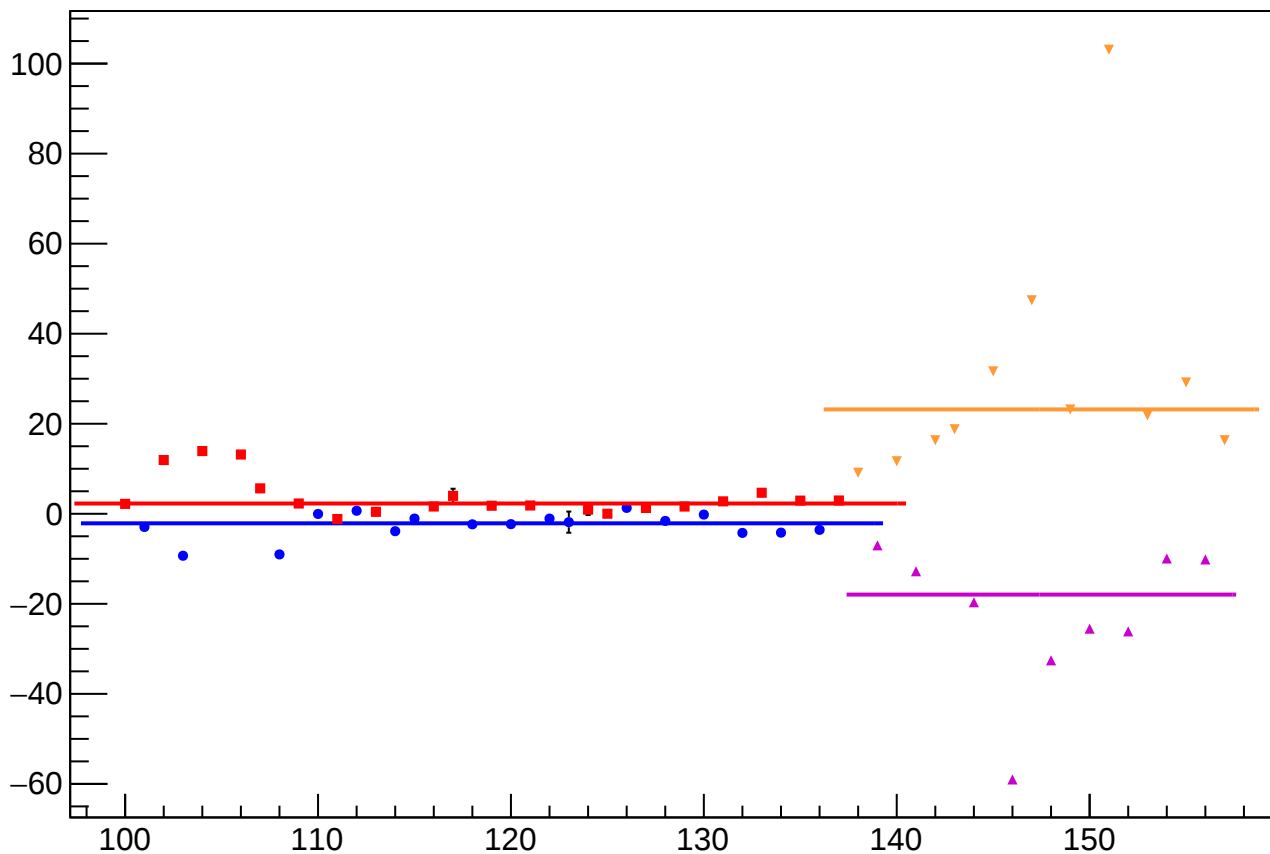
Left In: -1.075 $\pm$ 0.051 χ^2/NDF : 1033.2/8

1.355 $\pm$ 0.043 χ^2/NDF : 2423.3/27

-0.000 $\pm$ 0.029 χ^2/NDF : 6193.6/56

-1.091 $\pm$ 0.039 χ^2/NDF : 1973.9/28

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.119 ± 0.113 $\chi^2/\text{NDF}: 486.3/16$

Left Out: 23.187 ± 0.081 $\chi^2/\text{NDF}: 45263.0/10$

Right Out: 2.284 ± 0.101 $\chi^2/\text{NDF}: 920.6/19$

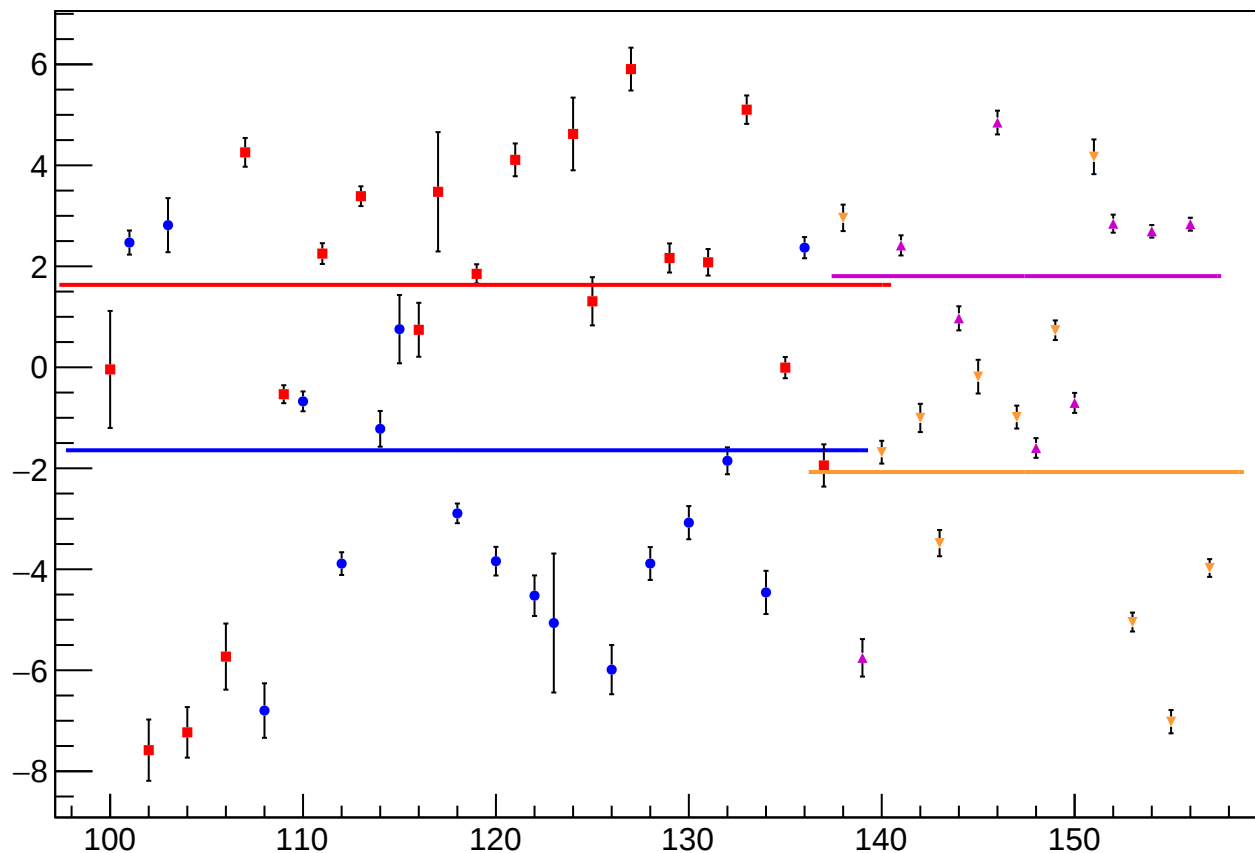
Left In: -17.948 ± 0.071 $\chi^2/\text{NDF}: 32372.6/8$

14.635 ± 0.066 $\chi^2/\text{NDF}: 78779.0/27$

0.031 ± 0.043 $\chi^2/\text{NDF}: 226258.5/56$

-11.269 ± 0.058 $\chi^2/\text{NDF}: 60263.0/28$

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.643 ± 0.072 χ^2/NDF : 1310.1/16

Left Out: -2.074 ± 0.070 χ^2/NDF : 1836.6/10

Right Out: 1.633 ± 0.067 χ^2/NDF : 1470.6/19

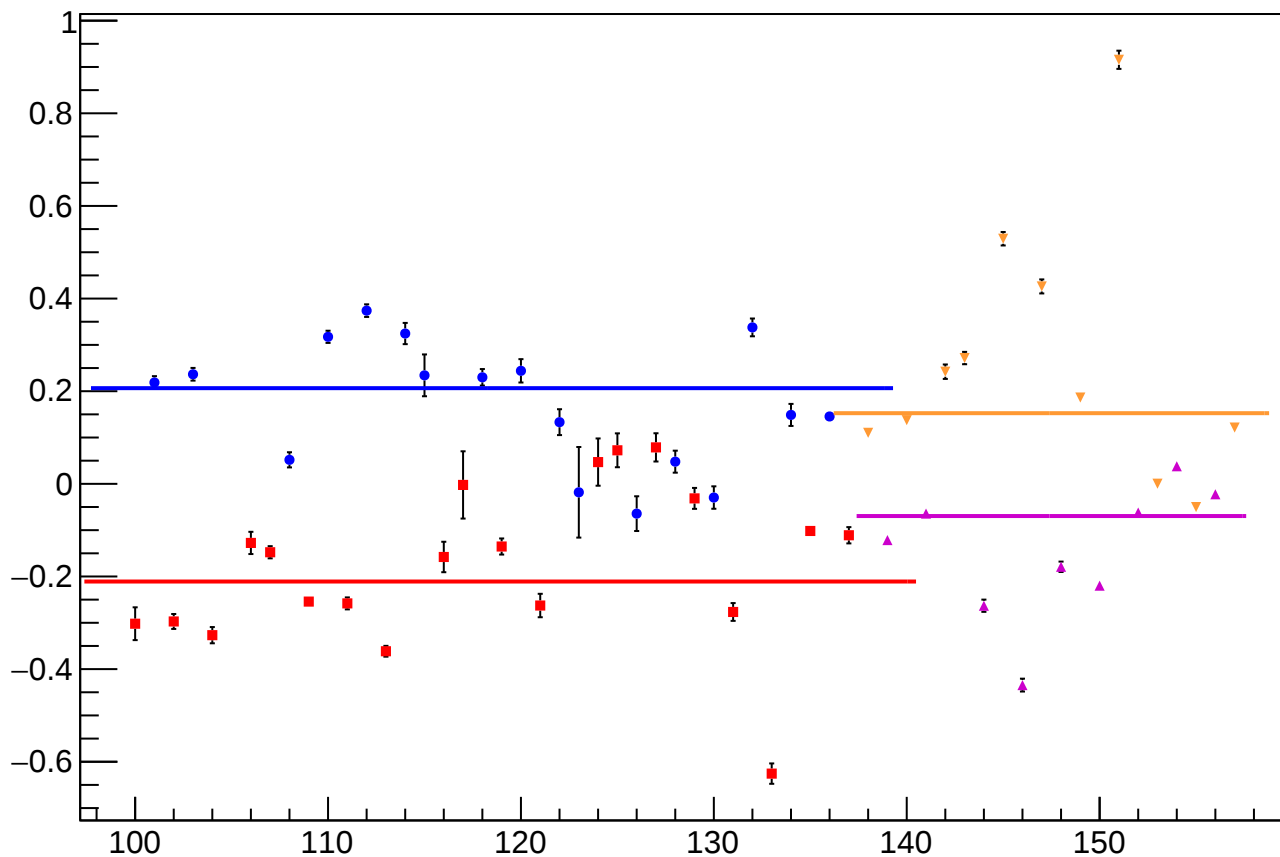
Left In: 1.806 ± 0.060 χ^2/NDF : 1217.3/8

-1.866 ± 0.050 χ^2/NDF : 3165.0/27

0.142 ± 0.033 χ^2/NDF : 8711.7/56

1.729 ± 0.045 χ^2/NDF : 2691.5/28

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.207 ± 0.004 χ^2/NDF : 655.0/16

Left Out: 0.153 ± 0.003 χ^2/NDF : 3543.0/10

Right Out: -0.211 ± 0.004 χ^2/NDF : 1153.8/19

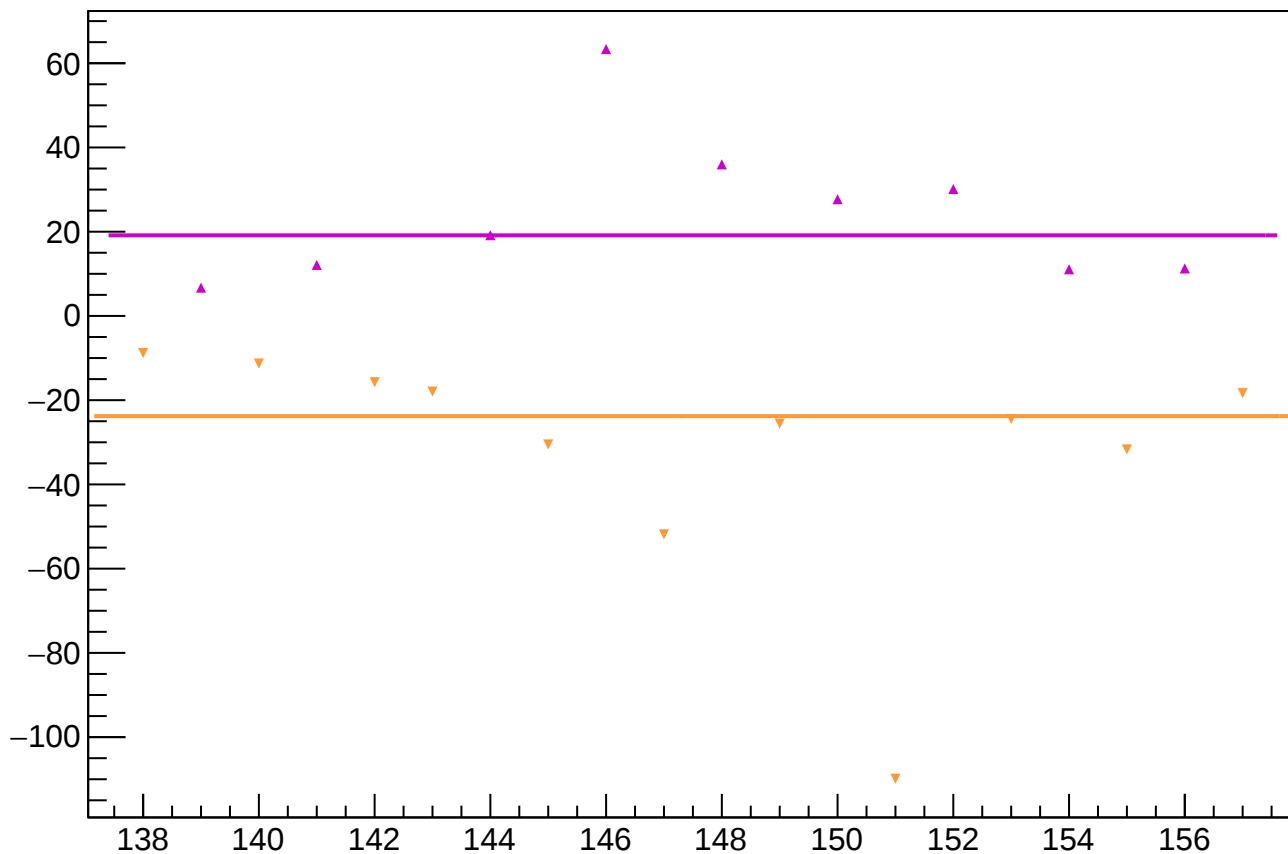
Left In: -0.070 ± 0.003 χ^2/NDF : 1804.3/8

0.171 ± 0.002 χ^2/NDF : 4304.6/27

0.006 ± 0.002 χ^2/NDF : 15845.0/56

-0.115 ± 0.002 χ^2/NDF : 3919.0/28

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -23.790+/-0.083 χ^2/NDF : 49517.5/10

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

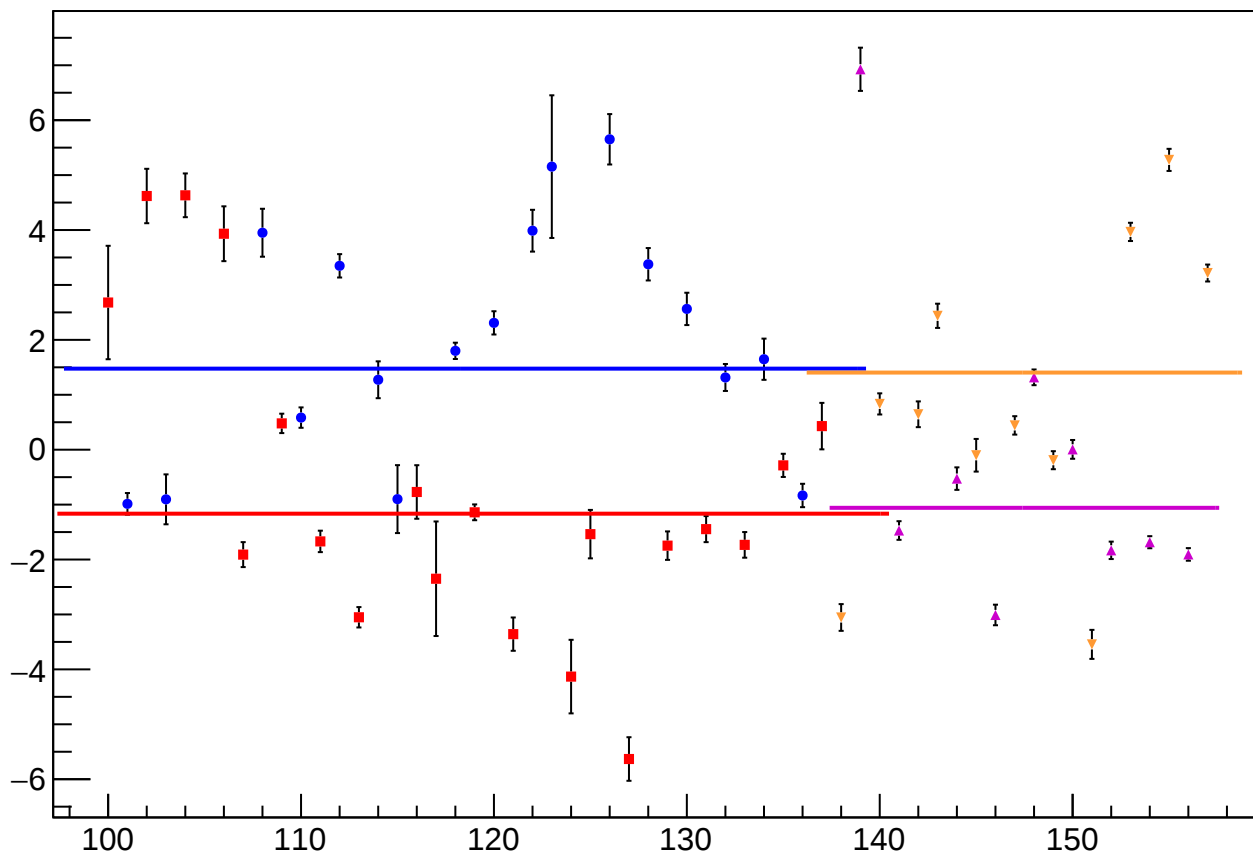
Left In: 19.136+/-0.075 χ^2/NDF : 34642.7/8

-23.790+/-0.083 χ^2/NDF : 49517.5/10

-0.005+/-0.055 χ^2/NDF : 232182.7/19

19.136+/-0.075 χ^2/NDF : 34642.7/8

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: 1.404 ± 0.059 χ^2/NDF : 1626.5/10

Right Out: -1.165 ± 0.060 χ^2/NDF : 919.2/19

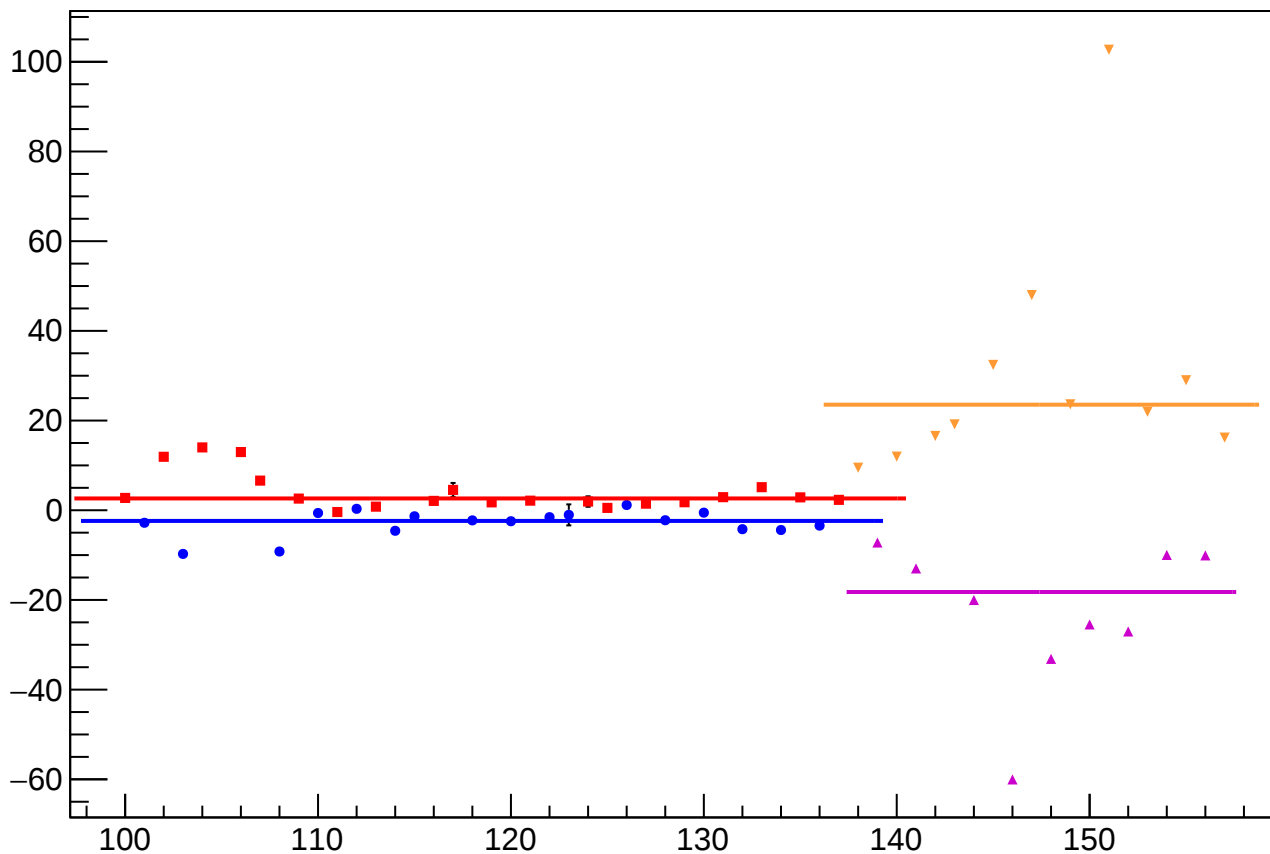
Left In: -1.058 ± 0.052 χ^2/NDF : 958.2/8

1.438 ± 0.043 χ^2/NDF : 2286.8/27

0.035 ± 0.029 χ^2/NDF : 6059.3/56

-1.104 ± 0.039 χ^2/NDF : 1879.3/28

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: 23.540 ± 0.082 $\chi^2/\text{NDF}: 44732.9/10$

Right Out: 2.631 ± 0.103 $\chi^2/\text{NDF}: 842.8/19$

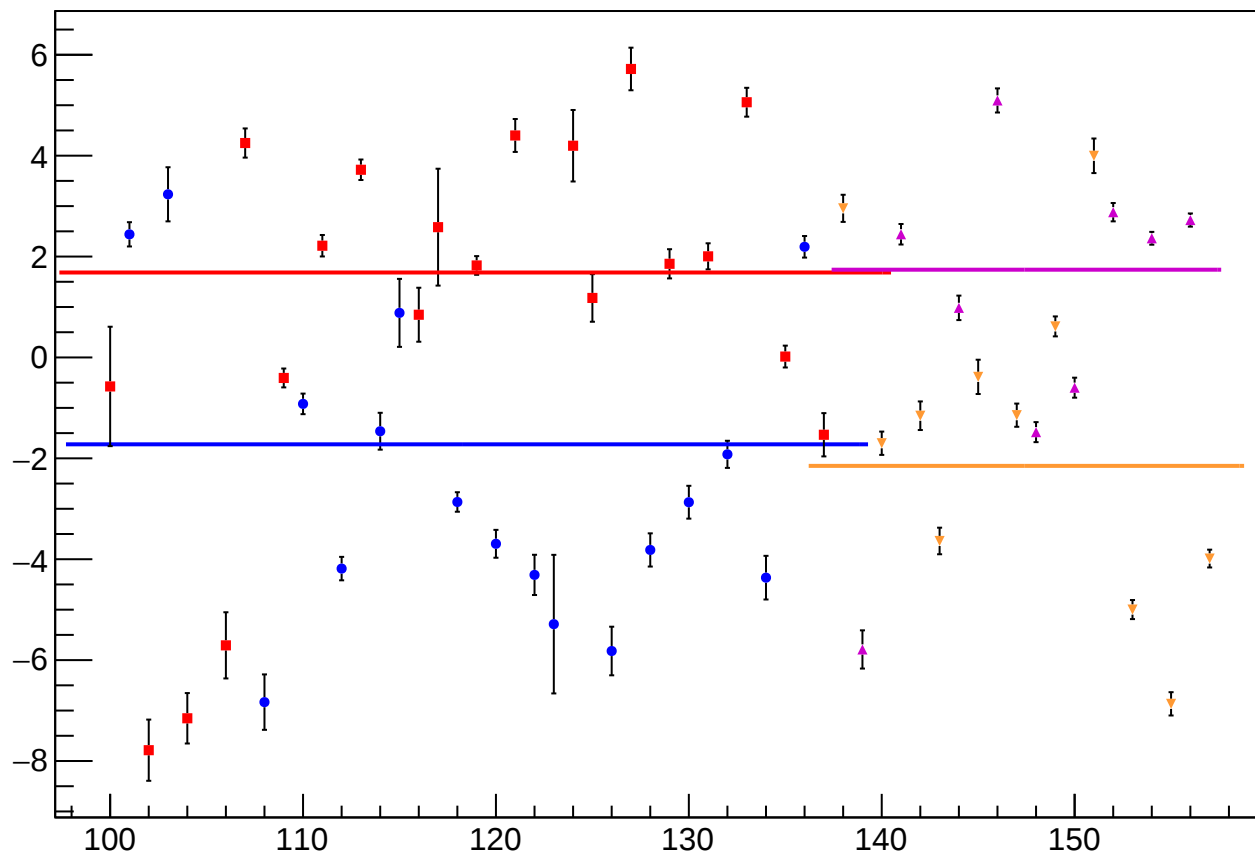
Left In: -18.232 ± 0.072 $\chi^2/\text{NDF}: 32695.5/8$

14.808 ± 0.067 $\chi^2/\text{NDF}: 78842.2/27$

0.101 ± 0.044 $\chi^2/\text{NDF}: 226371.1/56$

-11.388 ± 0.059 $\chi^2/\text{NDF}: 61092.8/28$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.722 ± 0.073 χ^2/NDF : 1247.6/16

Left Out: -2.149 ± 0.071 χ^2/NDF : 1724.1/10

Right Out: 1.684 ± 0.068 χ^2/NDF : 1431.6/19

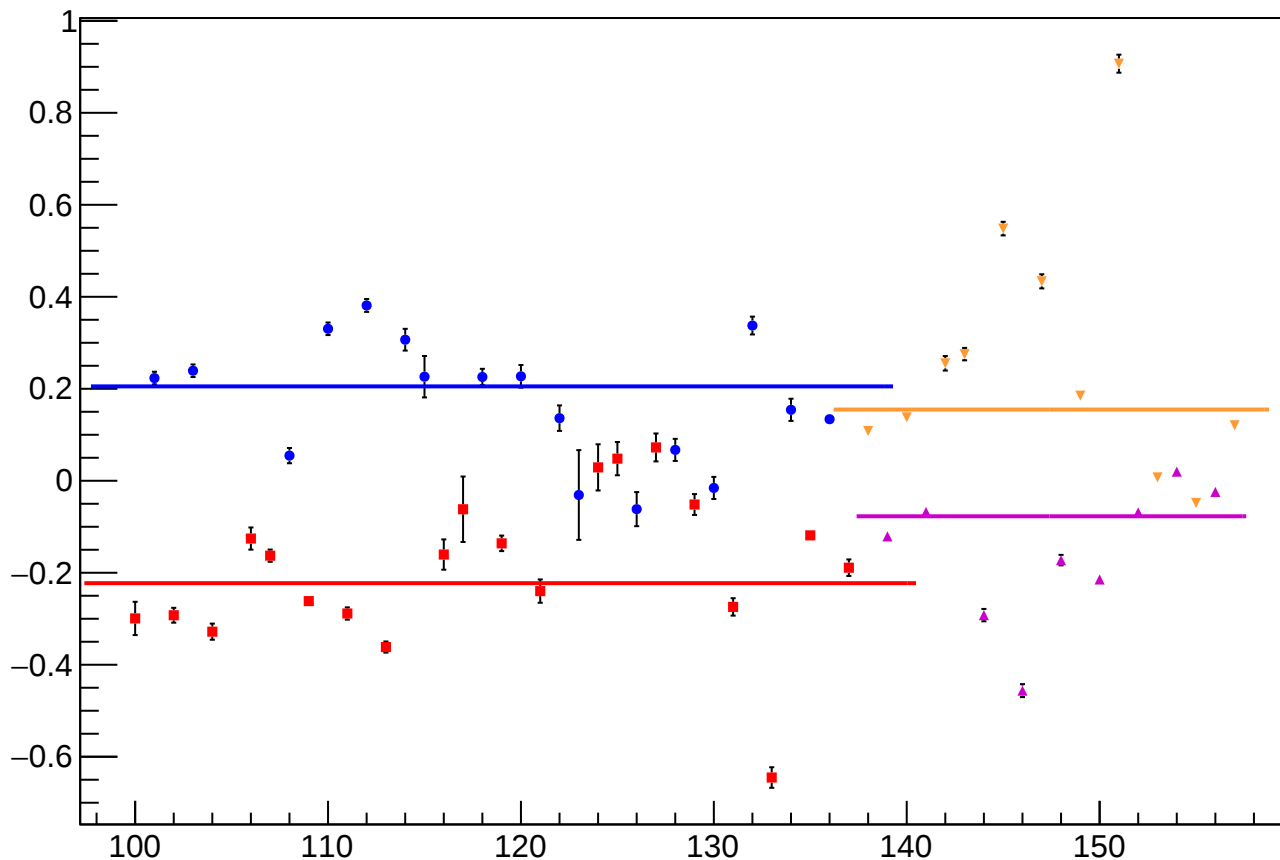
Left In: 1.739 ± 0.061 χ^2/NDF : 1136.2/8

-1.943 ± 0.051 χ^2/NDF : 2989.4/27

0.091 ± 0.034 χ^2/NDF : 8436.3/56

1.715 ± 0.045 χ^2/NDF : 2568.2/28

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 ± 0.004 χ^2/NDF : 650.7/16

Left Out: 0.155 ± 0.003 χ^2/NDF : 3538.4/10

Right Out: -0.223 ± 0.004 χ^2/NDF : 1045.6/19

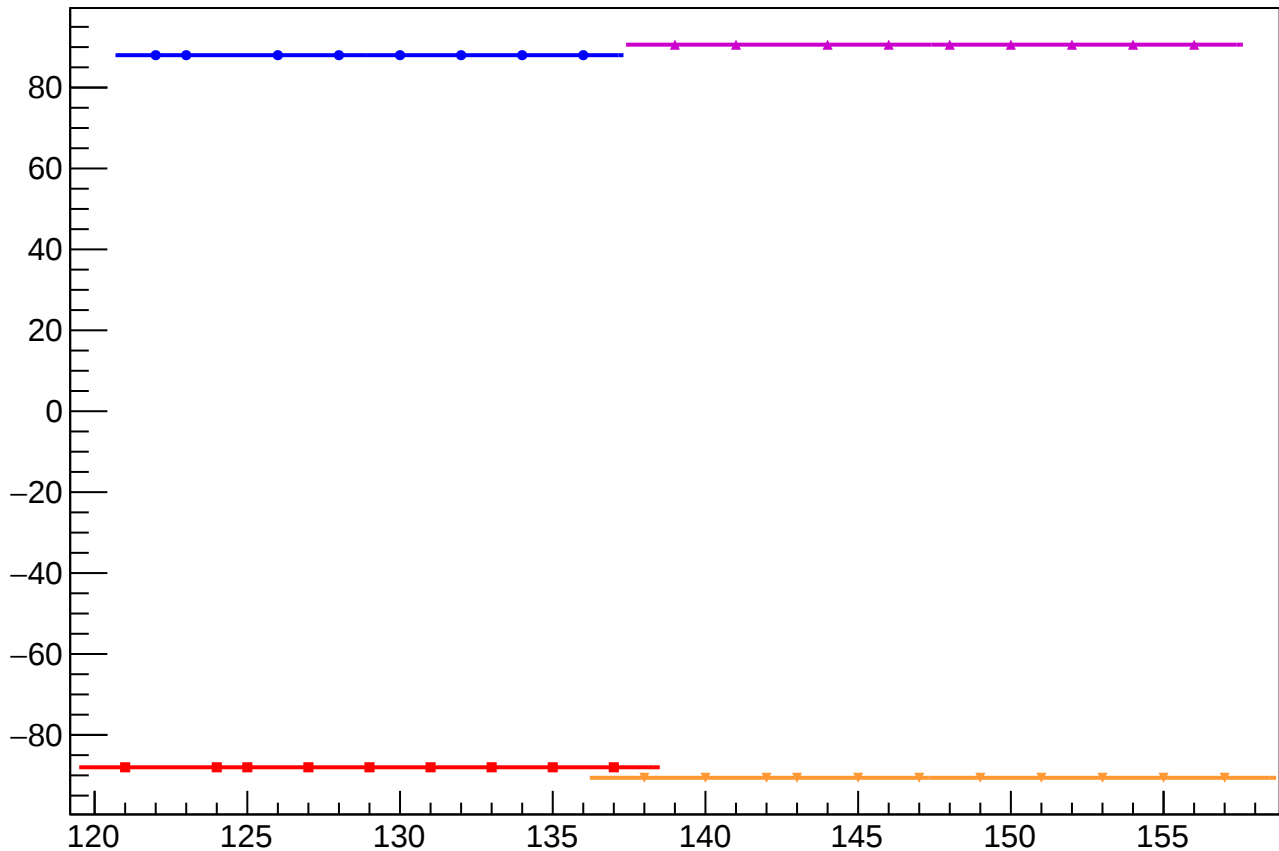
Left In: -0.077 ± 0.003 χ^2/NDF : 1724.6/8

0.172 ± 0.003 χ^2/NDF : 4279.6/27

0.002 ± 0.002 χ^2/NDF : 15939.8/56

-0.124 ± 0.002 χ^2/NDF : 3748.7/28

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001 $\pm$ 0.000 χ^2/NDF : 714089.5/7

Left Out: -90.599 $\pm$ 0.000 χ^2/NDF : 3538337.8/10

Right Out: -88.001 $\pm$ 0.000 χ^2/NDF : 109456.0/8

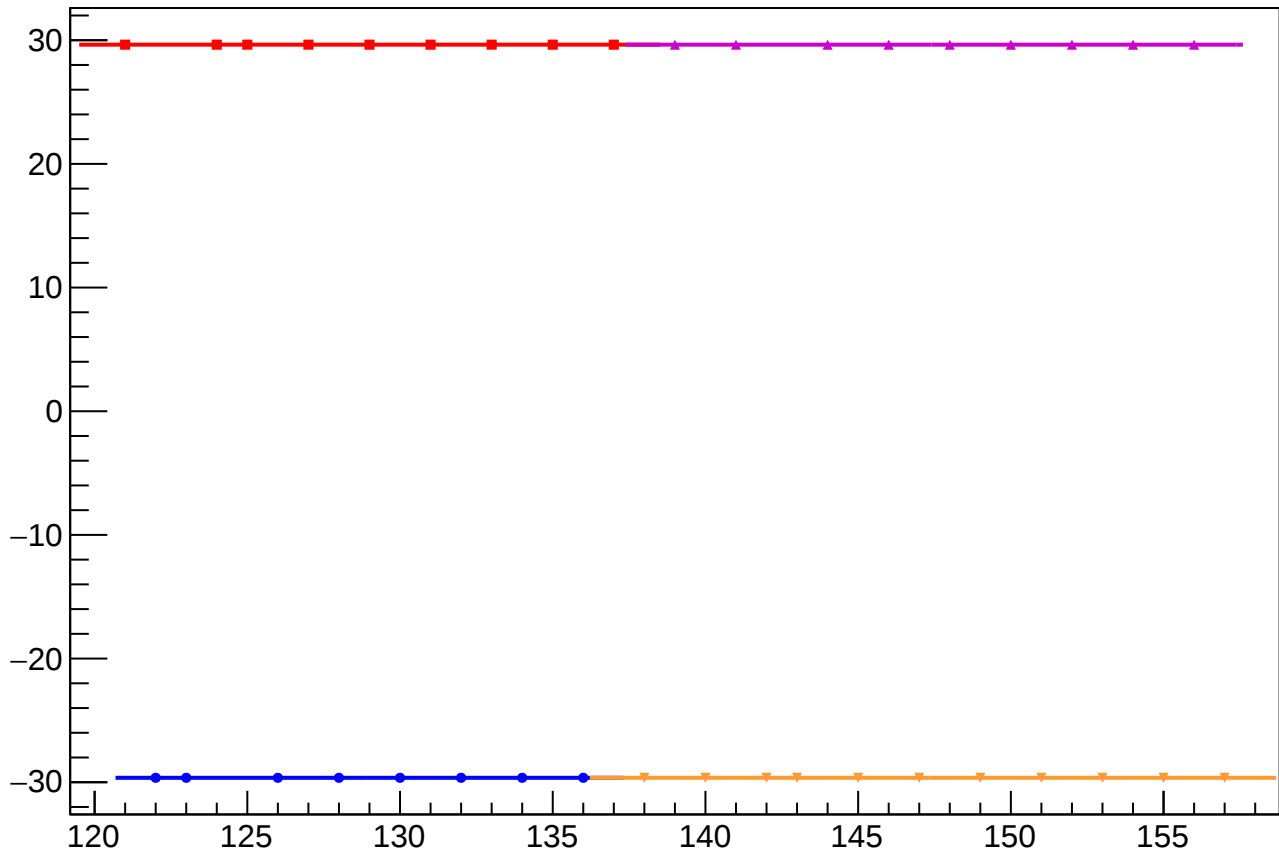
Left In: 90.599 $\pm$ 0.000 χ^2/NDF : 563032.1/8

-38.792 $\pm$ 0.000 χ^2/NDF : 77446298912977017

-2.111 $\pm$ 0.000 χ^2/NDF : 1823375813165

37.895 $\pm$ 0.000 χ^2/NDF : 71727033495652042

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 : 175556.3/10

Right Out: 29.641+/-0.000 χ^2/NDF : 29358.2/8

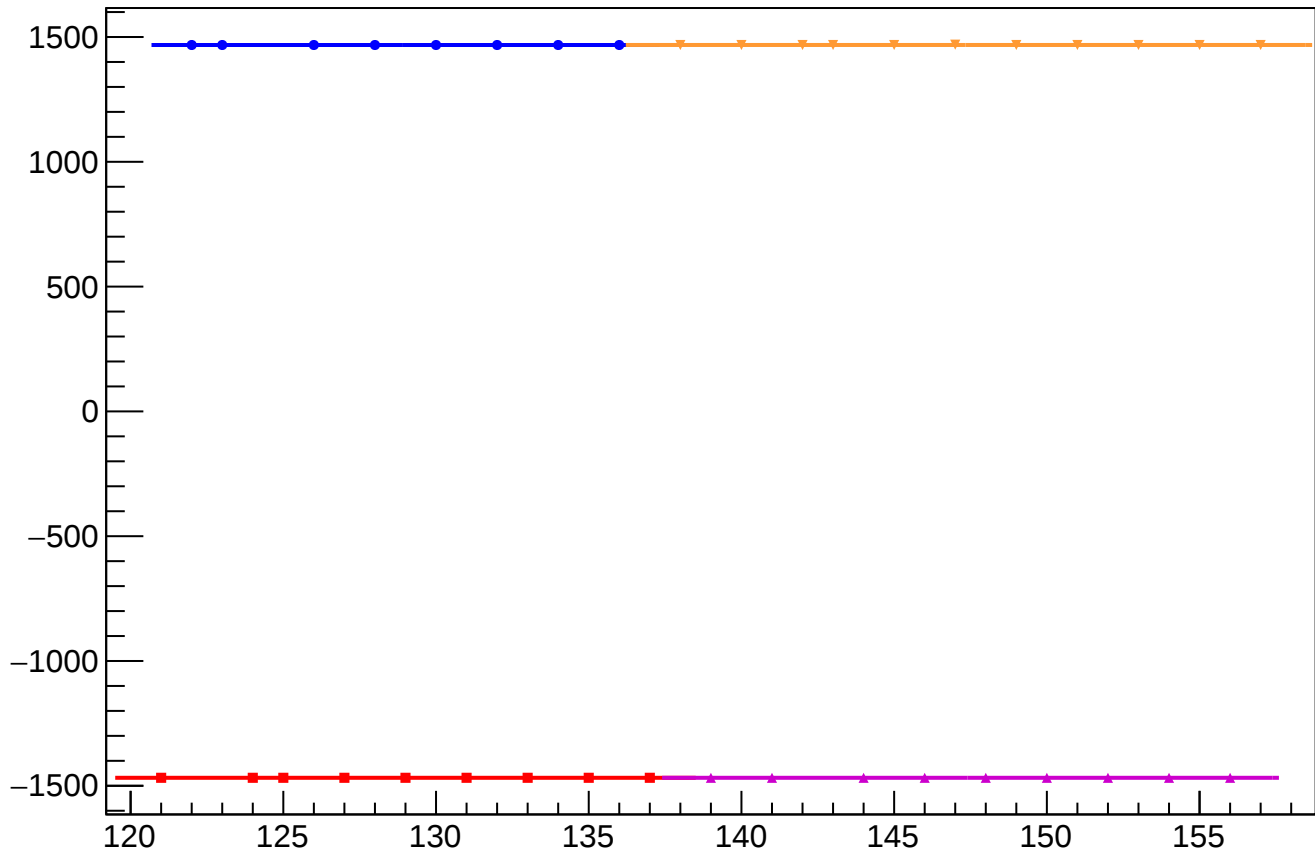
Left In: 29.641+/-0.000 χ^2/NDF : 21292.9/8

-29.641+/-0.000 χ^2/NDF : 1012064.4/18

-1.285+/-0.000 χ^2/NDF : 1981837557543

29.641+/-0.000 χ^2/NDF : 1331054.5/17

psub_pl_pos_mean vs Slug, Sign Corrected



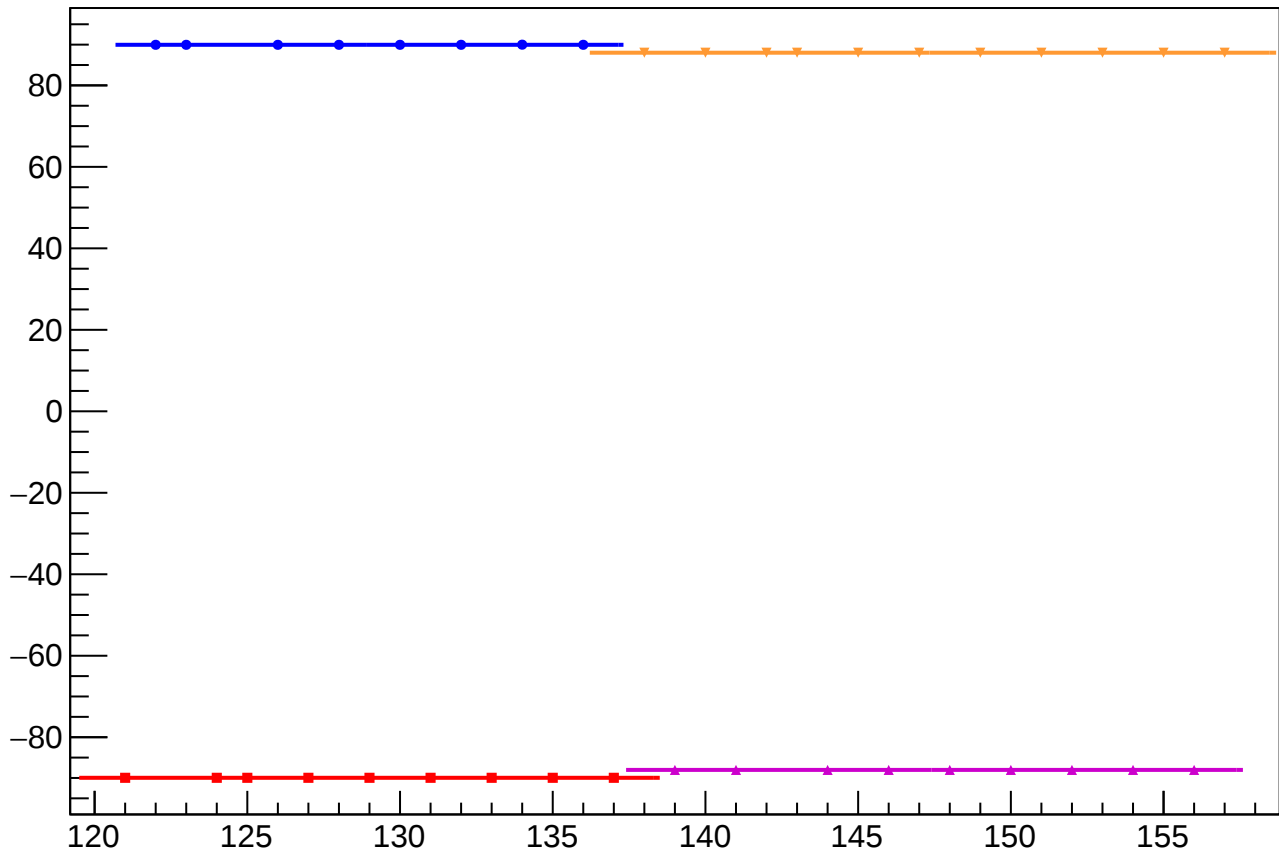
Right In: 1467.979 $\pm$ 0.000 χ^2/NDF : 436234375.5/7

Left Out: 1468.110 $\pm$ 0.000 χ^2/NDF : 122153489690230065868803323985920.0/10

Right Out: -1467.979 $\pm$ 0.000 χ^2/NDF : 83183350.3/8

Left In: -1467.986 $\pm$ 0.000 χ^2/NDF : 67997900242507892064822231040.0/8

Phi_FG_mean vs Slug, Sign Corrected



Right In: 89.961+/-0.000 χ^2/NDF : 21528640598708602874349223936.0/7

Left Out: 88.021+/-0.000 χ^2/NDF : 2908662.7/10

Right Out: -89.959+/-0.000 χ^2/NDF : 331397.3/8

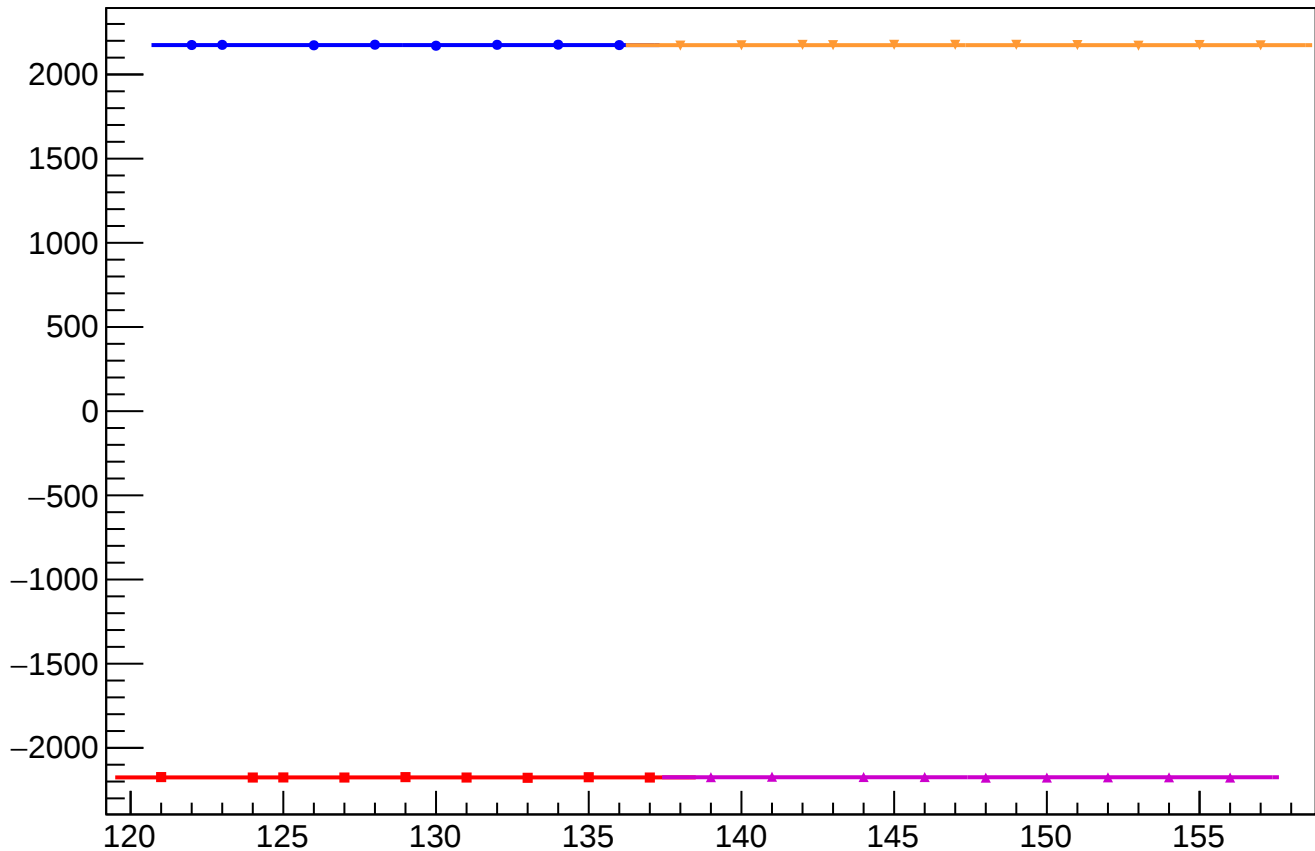
Left In: -88.021+/-0.000 χ^2/NDF : 908565.8/8

88.584+/-0.000 χ^2/NDF : 914387684263526135

3.837+/-0.000 χ^2/NDF : 17704595539224

-88.593+/-0.000 χ^2/NDF : 84507173650217244

HALLA_p_mean vs Slug, Sign Corrected



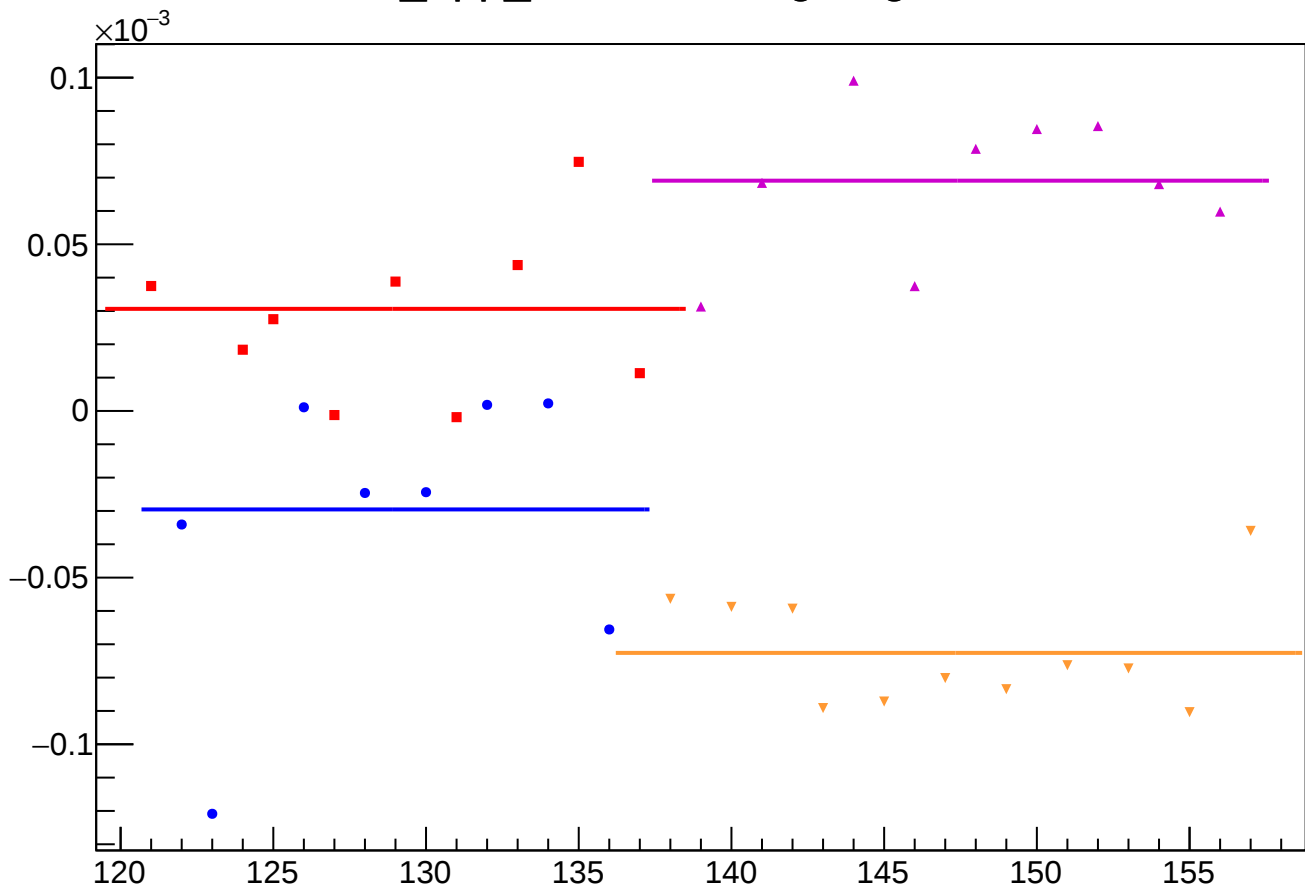
Right In: 2174.572+/-0.000 χ^2/NDF : 1360264074026849381407550448074752.0/7

Left Out: 2174.135+/-0.000 χ^2/NDF : 2823689406010660088515256987418624.0/10

Right Out: -2175.442+/-0.000 χ^2/NDF : 610778445075790556034346524868608.0/8

Left In: -2174.499+/-0.000 χ^2/NDF : 2178260306619292091506619855142912.0/8

HALLA_dpp_mean vs Slug, Sign Corrected



Right In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 250161267307815387529216.0/7$

Left Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 228331932441816449679360.0/10$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 196732771178766734983168.0/8$

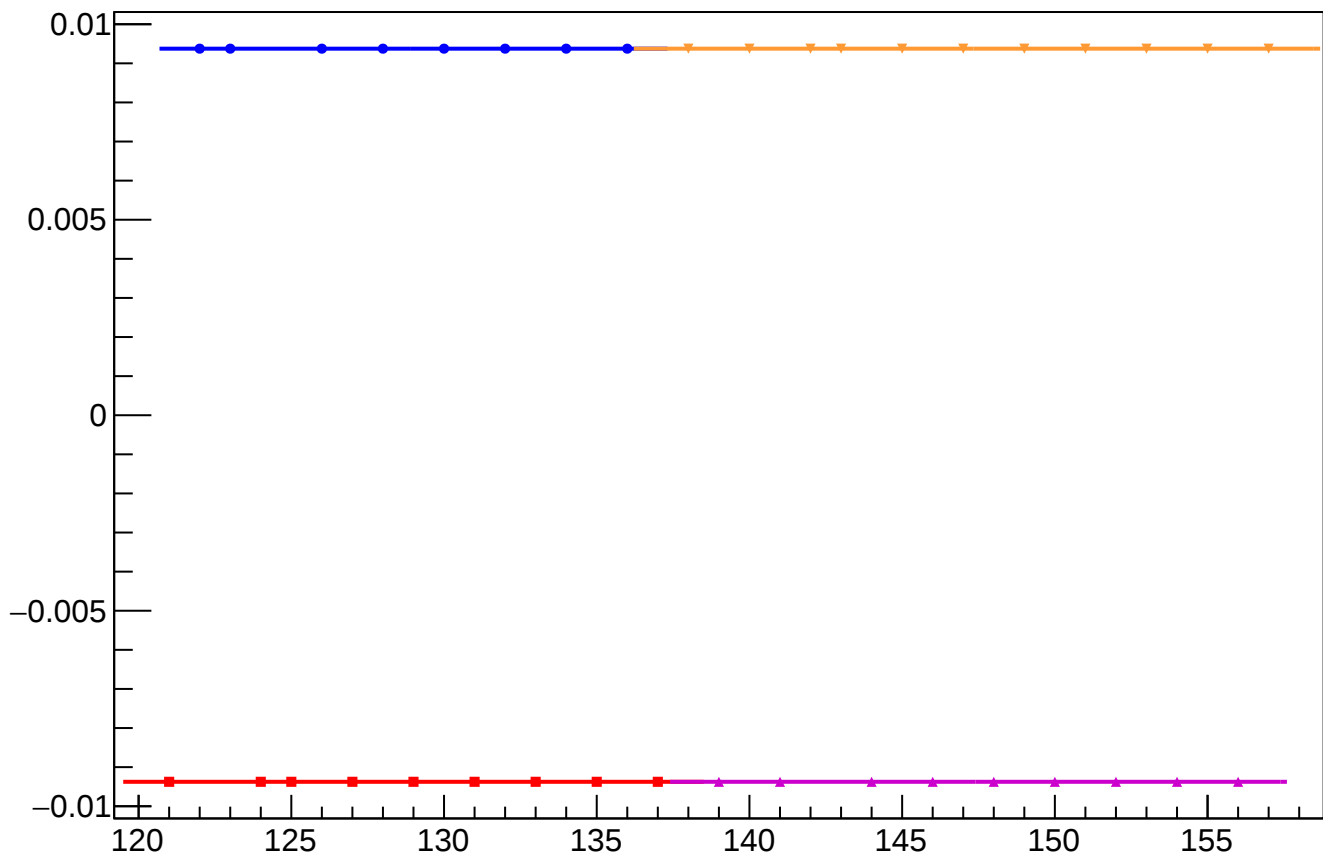
Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 328587374124025883131904.0/8$

-0.000 ± 0.000 $\chi^2/\text{NDF}: 928305527867585561$

-0.000 ± 0.000 $\chi^2/\text{NDF}: 9617037616995$

0.000 ± 0.000 $\chi^2/\text{NDF}: 8578193115809818418$

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/7$

Left Out: 0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/10$

Right Out: -0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/8$

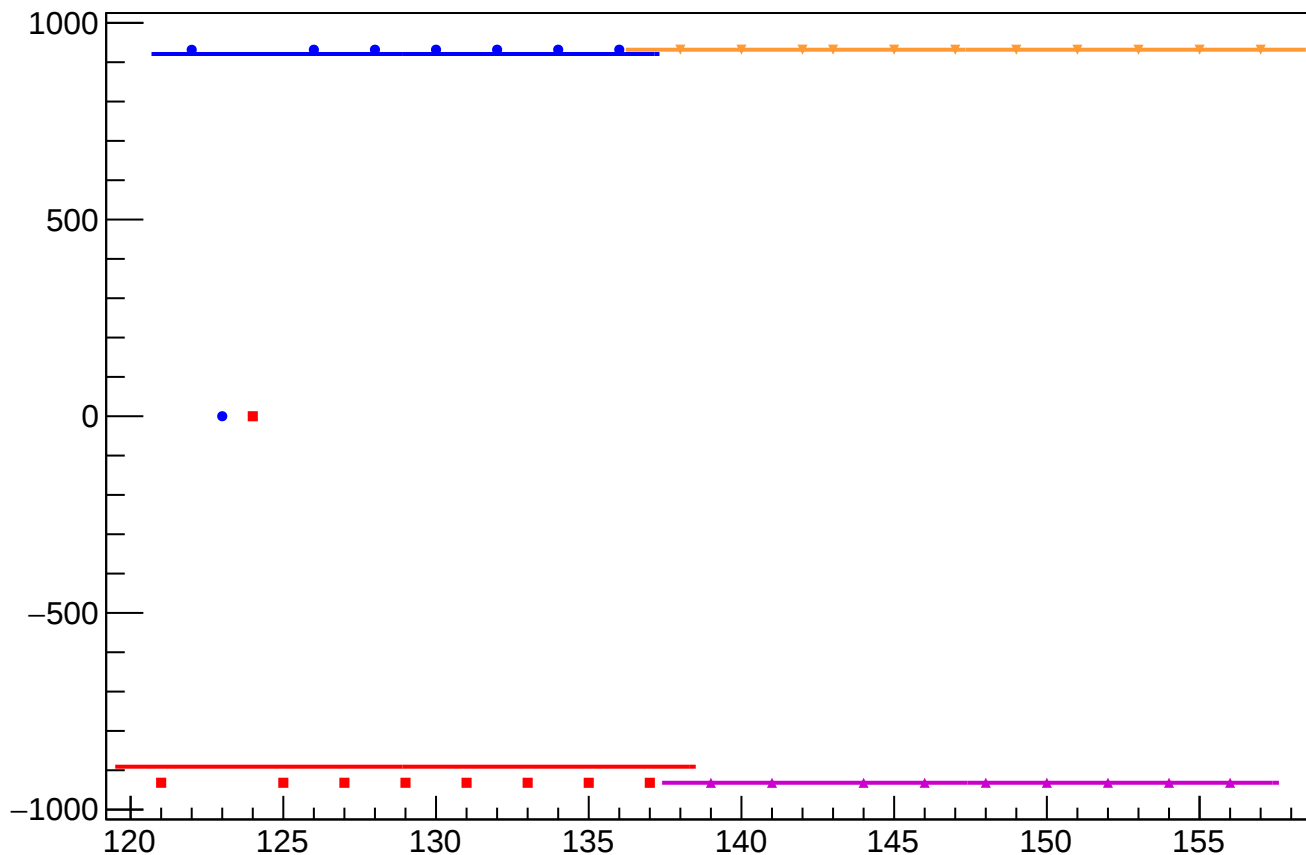
Left In: -0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/8$

0.009 ± 0.000 $\chi^2/\text{NDF}: 0.1/18$

0.000 ± 0.000 $\chi^2/\text{NDF}: 19825931623340$

-0.009 ± 0.000 $\chi^2/\text{NDF}: 0.1/17$

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



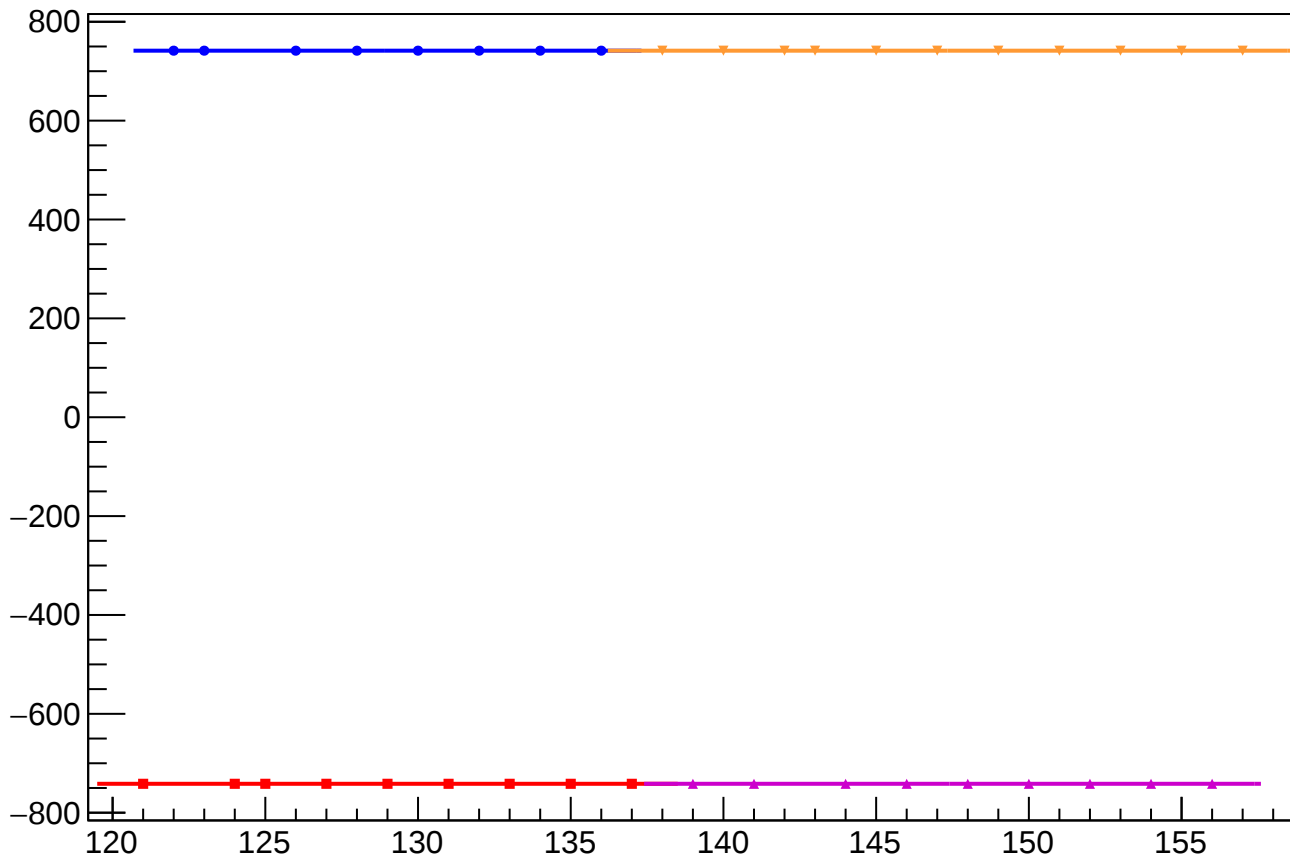
Right In: 920.898 ± 0.000 χ^2/NDF : 3432128841951899861299566212080992256.0/7

Left Out: 931.791 ± 0.000 χ^2/NDF : 3545520904093169993200795910144.0/10

Right Out: -890.923 ± 0.000 χ^2/NDF : 11621671430114409722932854398744788992.0/8

Left In: -931.781 ± 0.000 χ^2/NDF : 2980252145516025845018951417856.0/8

HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 741.528+/-0.000 χ^2/NDF : 18896144326732419810052800512.0/7

Left Out: 741.520+/-0.000 χ^2/NDF : 87545685448950629574782222336.0/10

Right Out: -741.529+/-0.000 χ^2/NDF : 16580353917842624420385914880.0/8

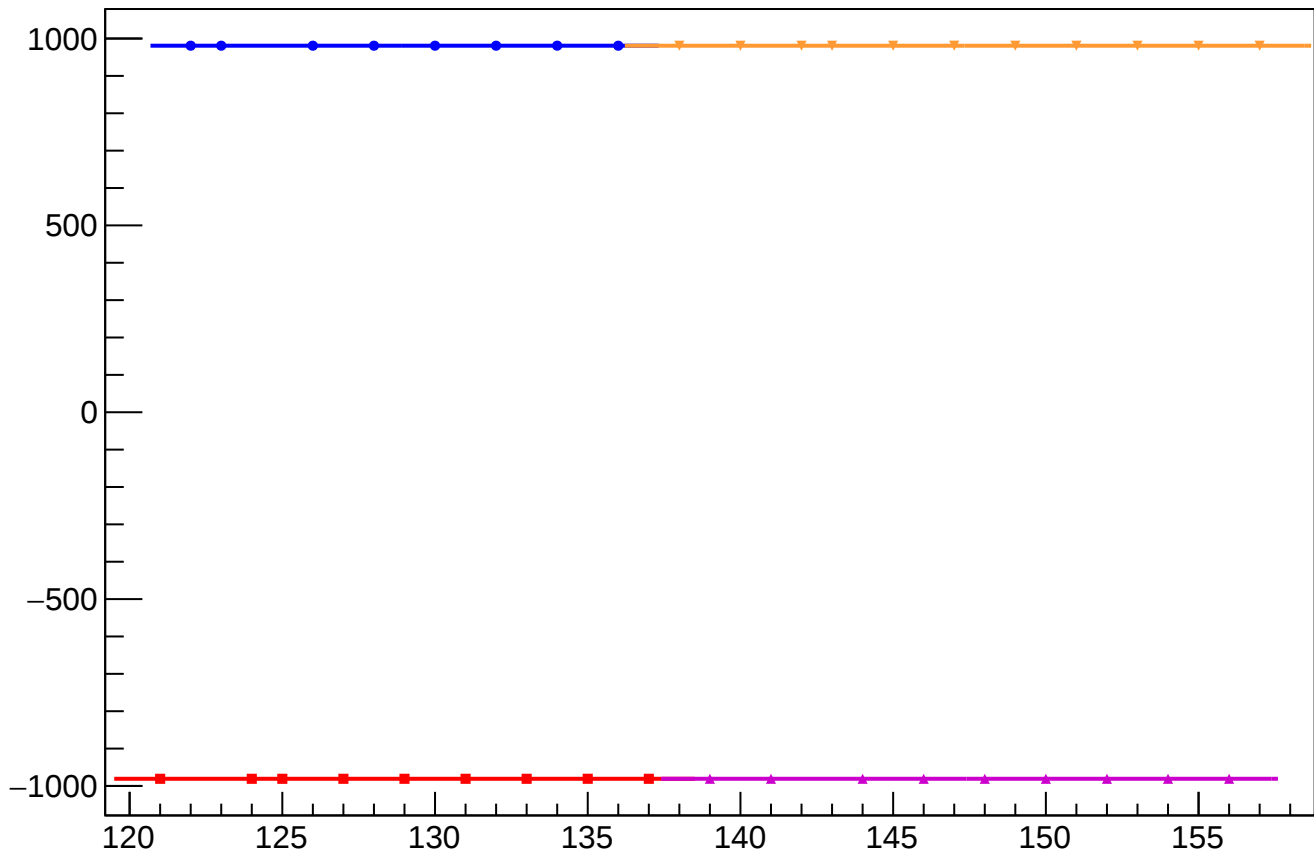
Left In: -741.519+/-0.000 χ^2/NDF : 82937921910358277240244928512.0/8

741.522+/-0.000 χ^2/NDF : 12160079684183545

32.155+/-0.000 χ^2/NDF : 1240335099417

-741.522+/-0.000 χ^2/NDF : 1195633239986414

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.825+/-0.000 χ^2/NDF : 159345321268745350954763681792.0/7

Left Out: 980.776+/-0.000 χ^2/NDF : 523162415134948992216687706112.0/10

Right Out: -980.818+/-0.000 χ^2/NDF : 143689912167528137563261894656.0/8

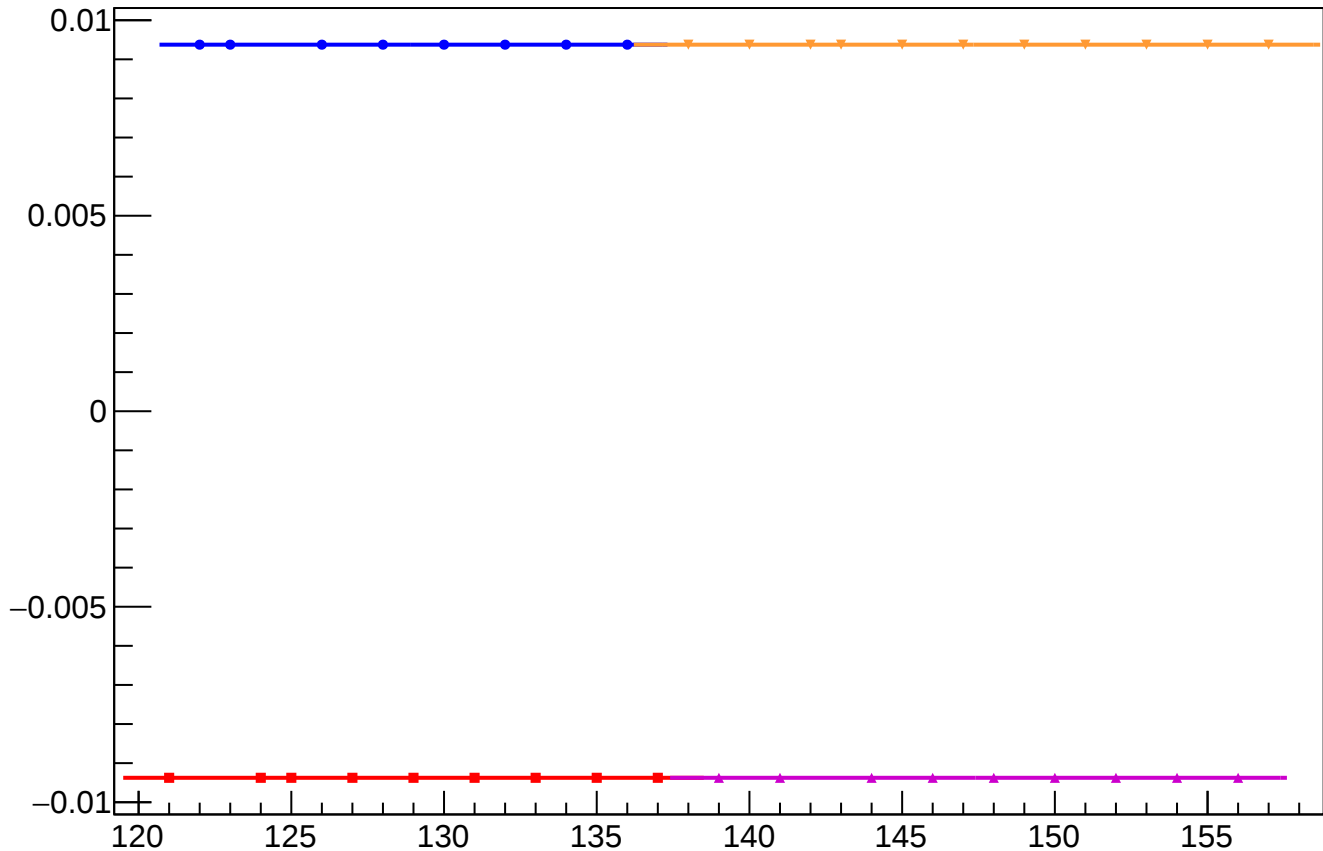
Left In: -980.791+/-0.000 χ^2/NDF : 959905724552845199871934726144.0/8

980.790+/-0.000 χ^2/NDF : 12804867445238848

42.526+/-0.000 χ^2/NDF : 2169936256068

-980.799+/-0.000 χ^2/NDF : 1275206263475573

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/7$

Left Out: 0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/10$

Right Out: -0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/8$

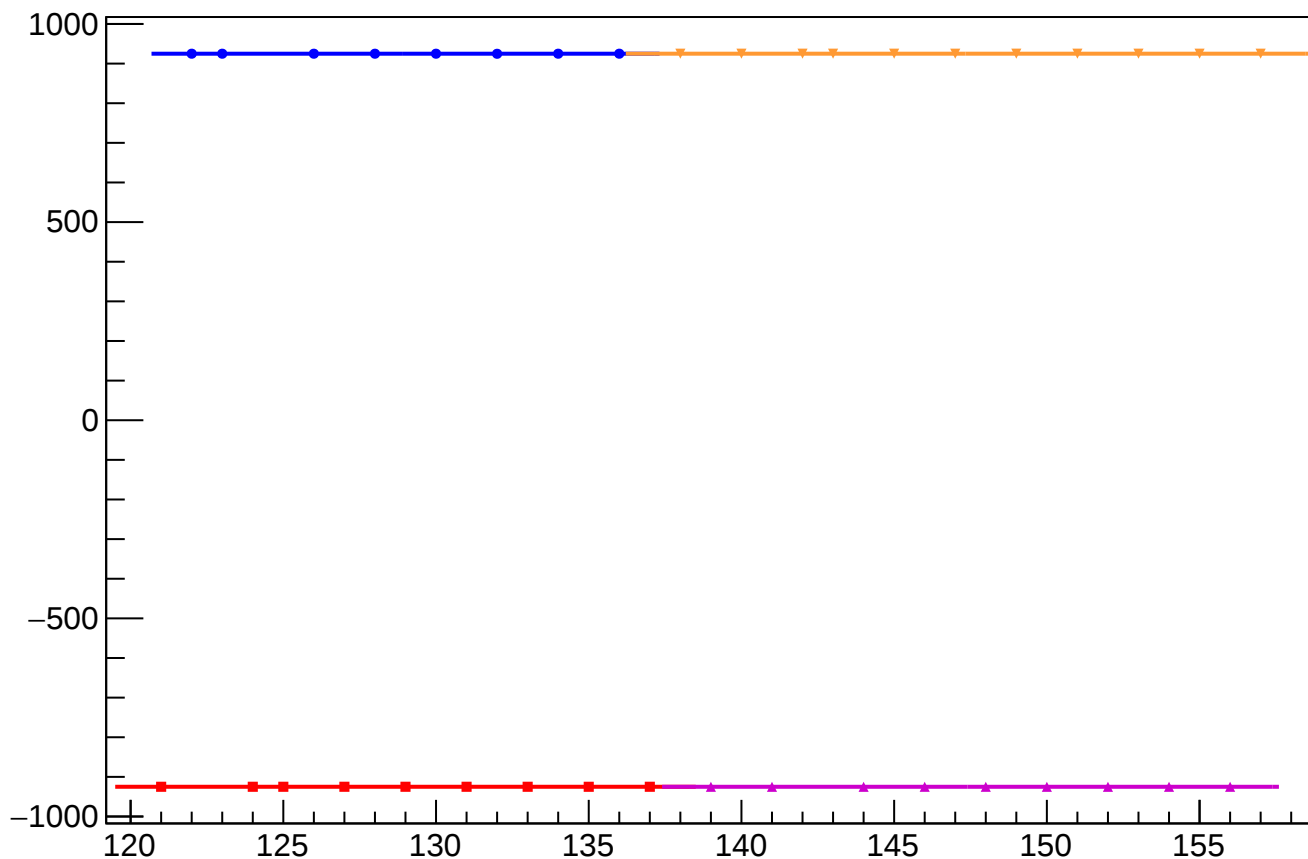
Left In: -0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/8$

0.009 ± 0.000 $\chi^2/\text{NDF}: 0.1/18$

0.000 ± 0.000 $\chi^2/\text{NDF}: 19825931623340$

-0.009 ± 0.000 $\chi^2/\text{NDF}: 0.1/17$

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.939+/-0.000 χ^2/NDF : 1401458495809517406218388242432.0/7

Left Out: 924.996+/-0.000 χ^2/NDF : 496626556653823097605653004288.0/10

Right Out: -924.957+/-0.000 χ^2/NDF : 71808709366506786060310151168.0/8

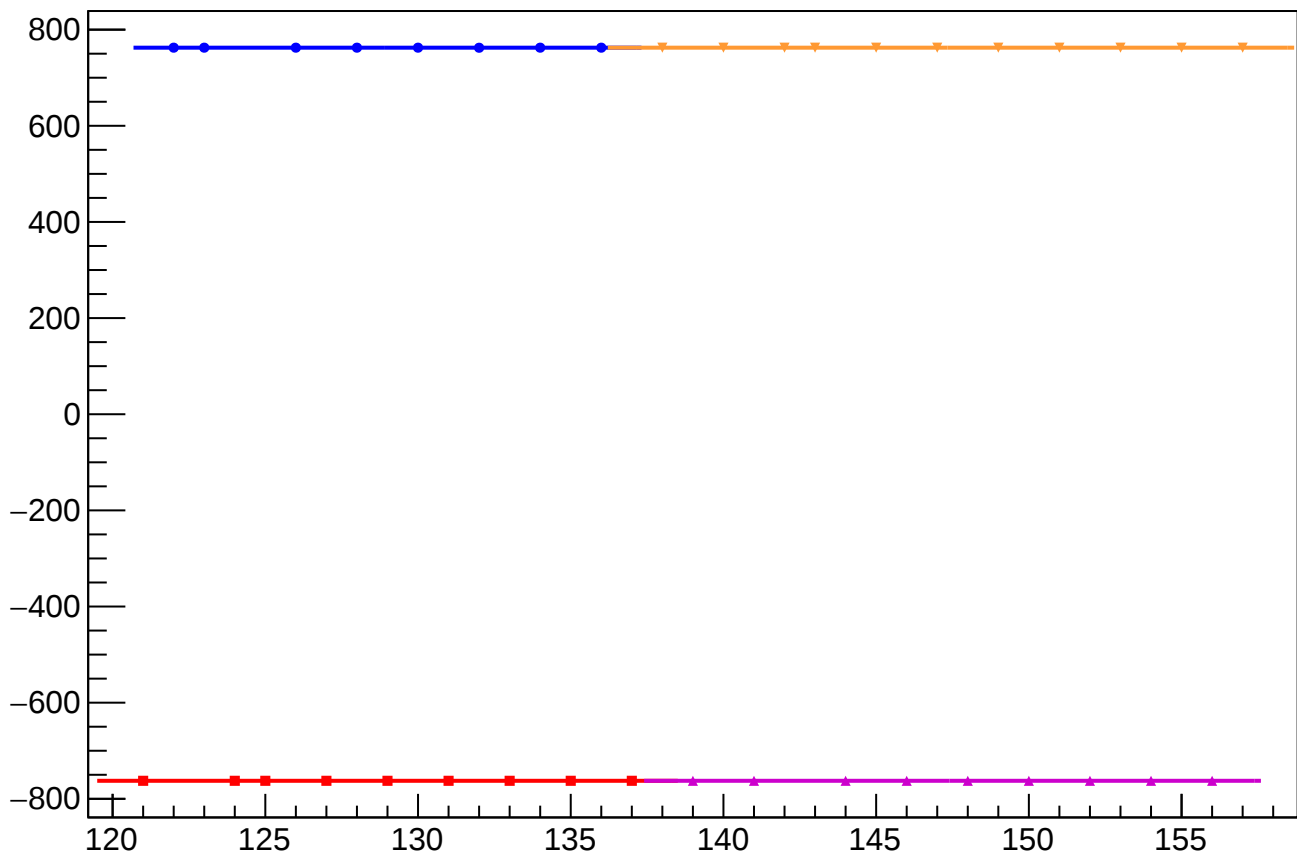
Left In: -924.998+/-0.000 χ^2/NDF : 375753537753950810729898573824.0/8

924.979+/-0.000 χ^2/NDF : 26667088945018532

40.106+/-0.000 χ^2/NDF : 1930004766695

-924.986+/-0.000 χ^2/NDF : 8323024833789555

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 762.484 $\pm$ 0.000 χ^2/NDF : 784430761251084401798891438080.0/7

Left Out: 762.499 $\pm$ 0.000 χ^2/NDF : 75720036202752743518121230336.0/10

Right Out: -762.501 $\pm$ 0.000 χ^2/NDF : 469794702848036819563446272.0/8

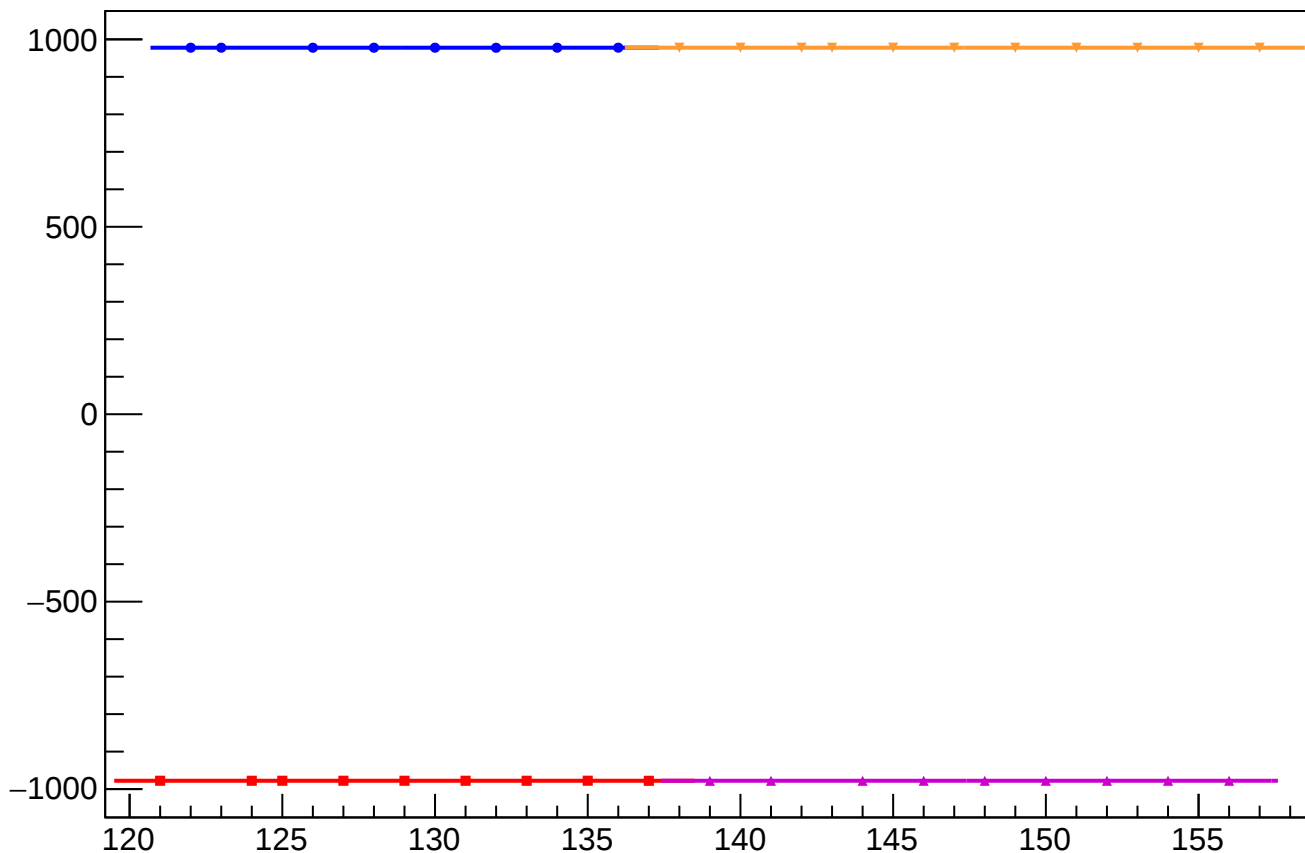
Left In: -762.501 $\pm$ 0.000 χ^2/NDF : 58732924440148468995729653760.0/8

762.495 $\pm$ 0.000 χ^2/NDF : 91912461538579225

33.061 $\pm$ 0.000 χ^2/NDF : 1311499963838

-762.501 $\pm$ 0.000 χ^2/NDF : 5921594272288397

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.741+/-0.000 χ^2/NDF : 1738104571804792841781326643200.0/7

Left Out: 977.750+/-0.000 χ^2/NDF : 868039970510689771631060975616.0/10

Right Out: -977.737+/-0.000 χ^2/NDF : 772313054358211830610902646784.0/8

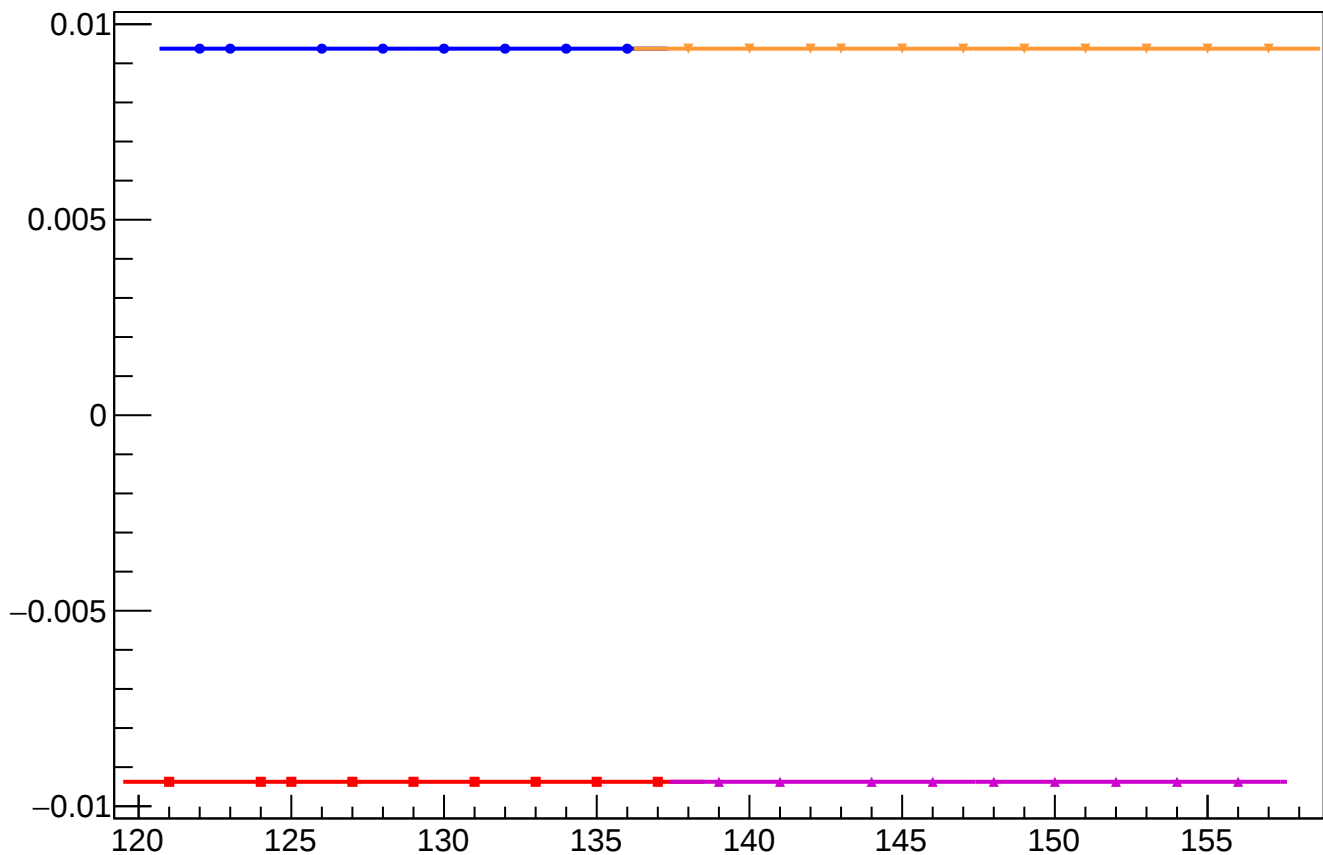
Left In: -977.745+/-0.000 χ^2/NDF : 786358071479801681044482031616.0/8

977.747+/-0.000 χ^2/NDF : 26260832917355429

42.400+/-0.000 χ^2/NDF : 2156464262718

-977.743+/-0.000 χ^2/NDF : 1573817157681108

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 : 0.0/10

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

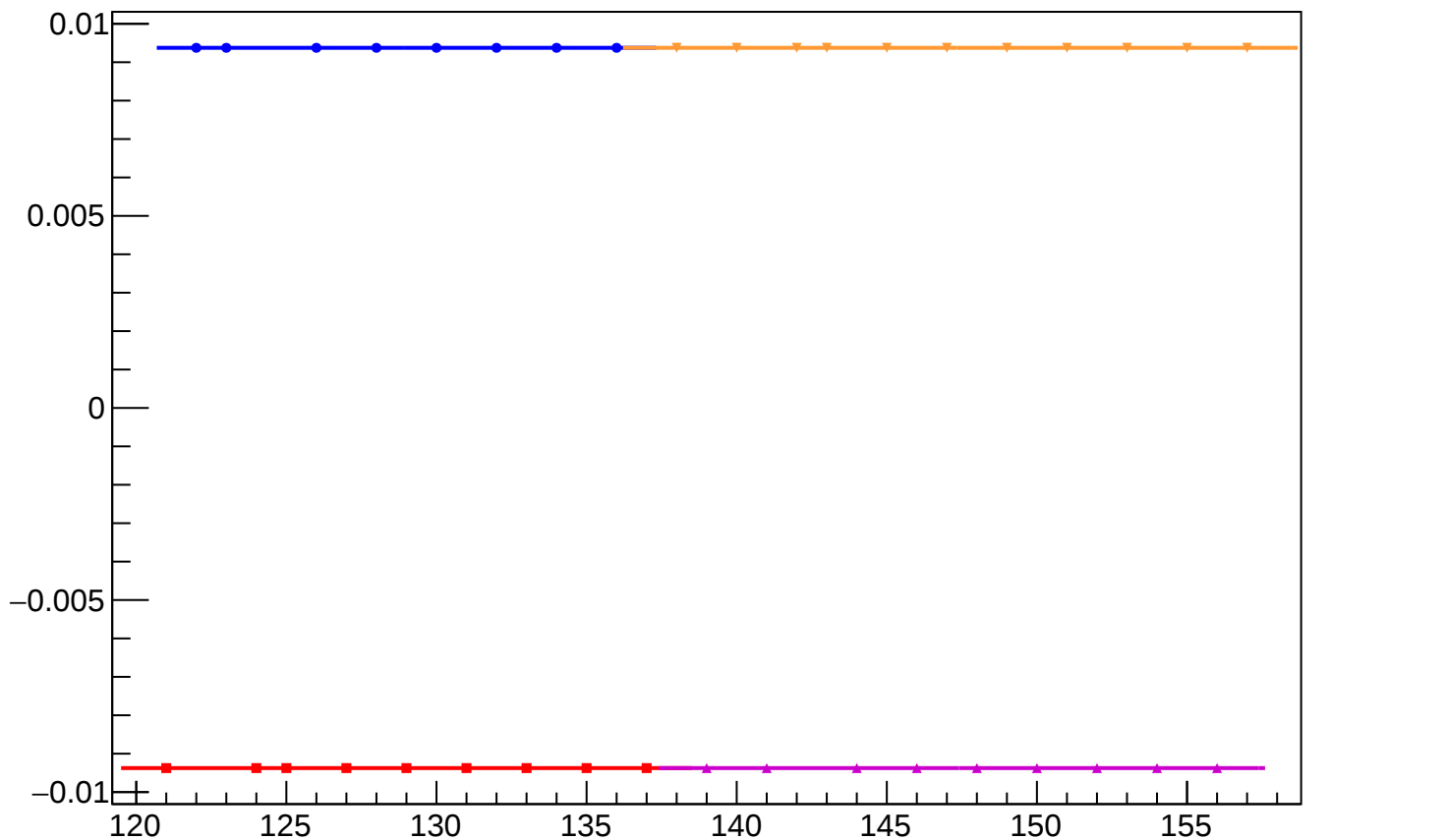
Left In: -0.009+/-0.000 χ^2/NDF : 0.0/8

0.009+/-0.000 χ^2/NDF : 0.1/18

0.000+/-0.000 χ^2/NDF : 19825931623340

-0.009+/-0.000 χ^2/NDF : 0.1/17

MSUPERBIGBITereadcalc_mean vs Slug, Sign Corrected



Right In: 0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/7$

Left Out: 0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/10$

Right Out: -0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/8$

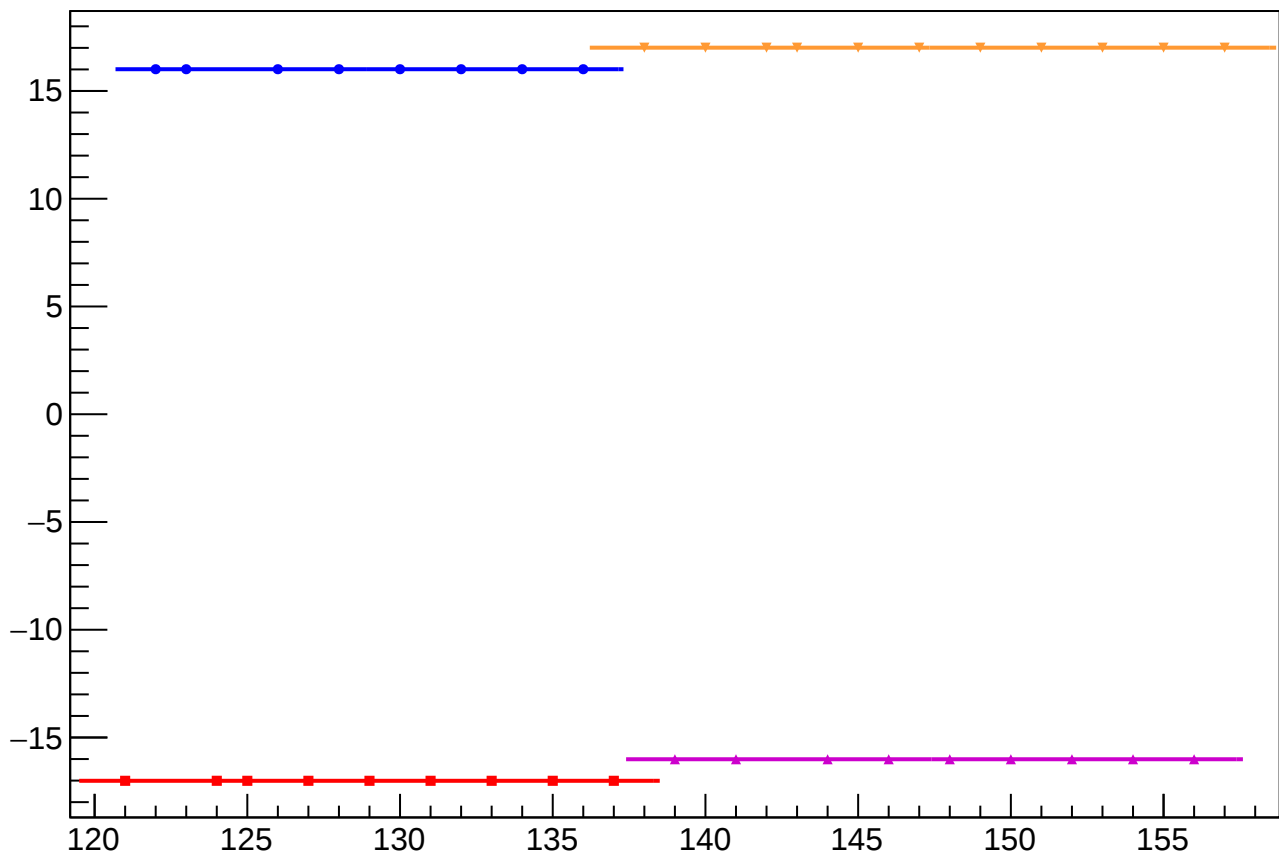
Left In: -0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/8$

0.009 ± 0.000 $\chi^2/\text{NDF}: 0.1/18$

0.000 ± 0.000 $\chi^2/\text{NDF}: 19825931623340$

-0.009 ± 0.000 $\chi^2/\text{NDF}: 0.1/17$

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009 +/- 0.000 χ^2/NDF : 30506.8/7

Left Out: 17.009 +/- 0.000 χ^2/NDF : 10172081769806569953820672.0/10

Right Out: -17.009 +/- 0.000 χ^2/NDF : 8333578329558812540796928.0/8

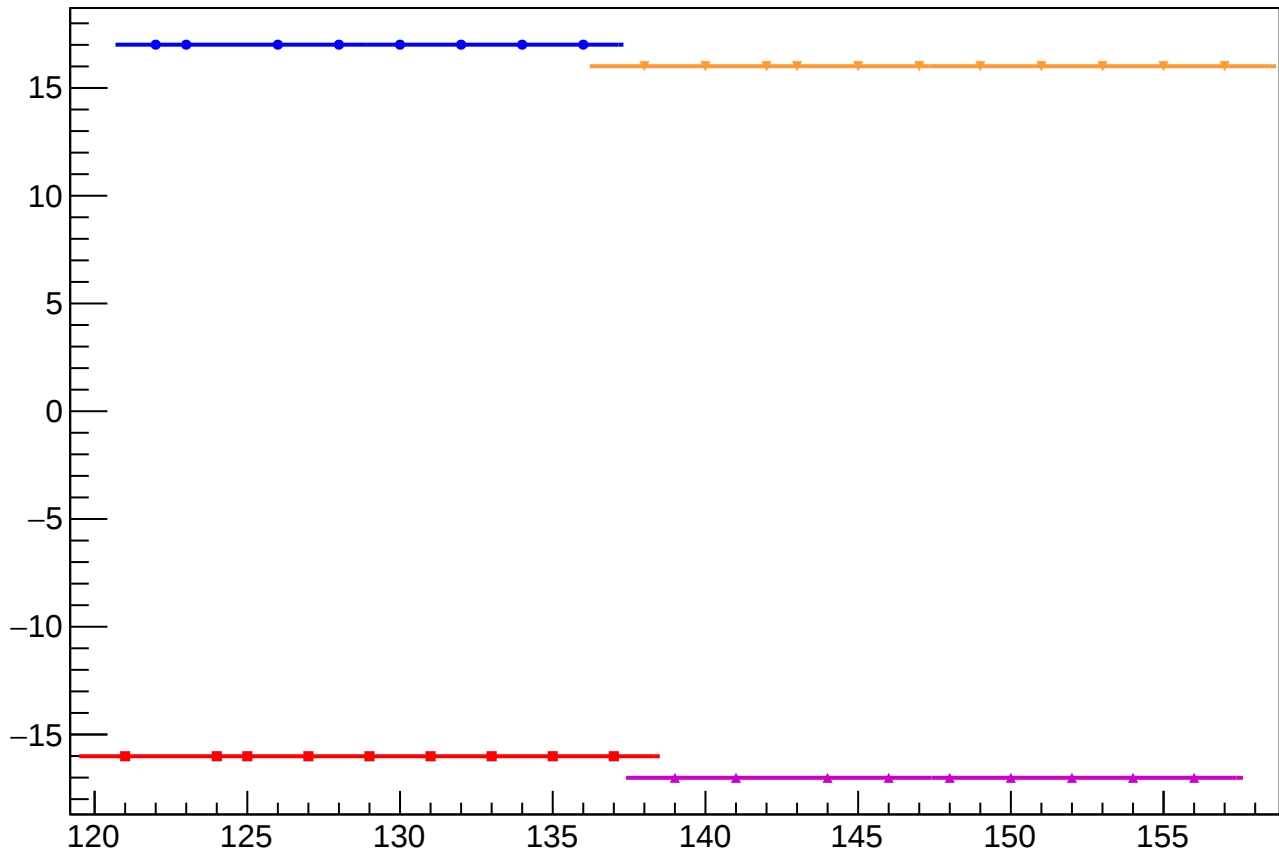
Left In: -16.009 +/- 0.000 χ^2/NDF : 25130.0/8

16.711 +/- 0.000 χ^2/NDF : 221815225369959685

0.473 +/- 0.000 χ^2/NDF : 56925306119685

-16.303 +/- 0.000 χ^2/NDF : 21313642285357199

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF : 76109.3/7

Left Out: 16.009+/-0.000 χ^2/NDF : 27932.0/10

Right Out: -16.009+/-0.000 χ^2/NDF : 17859.8/8

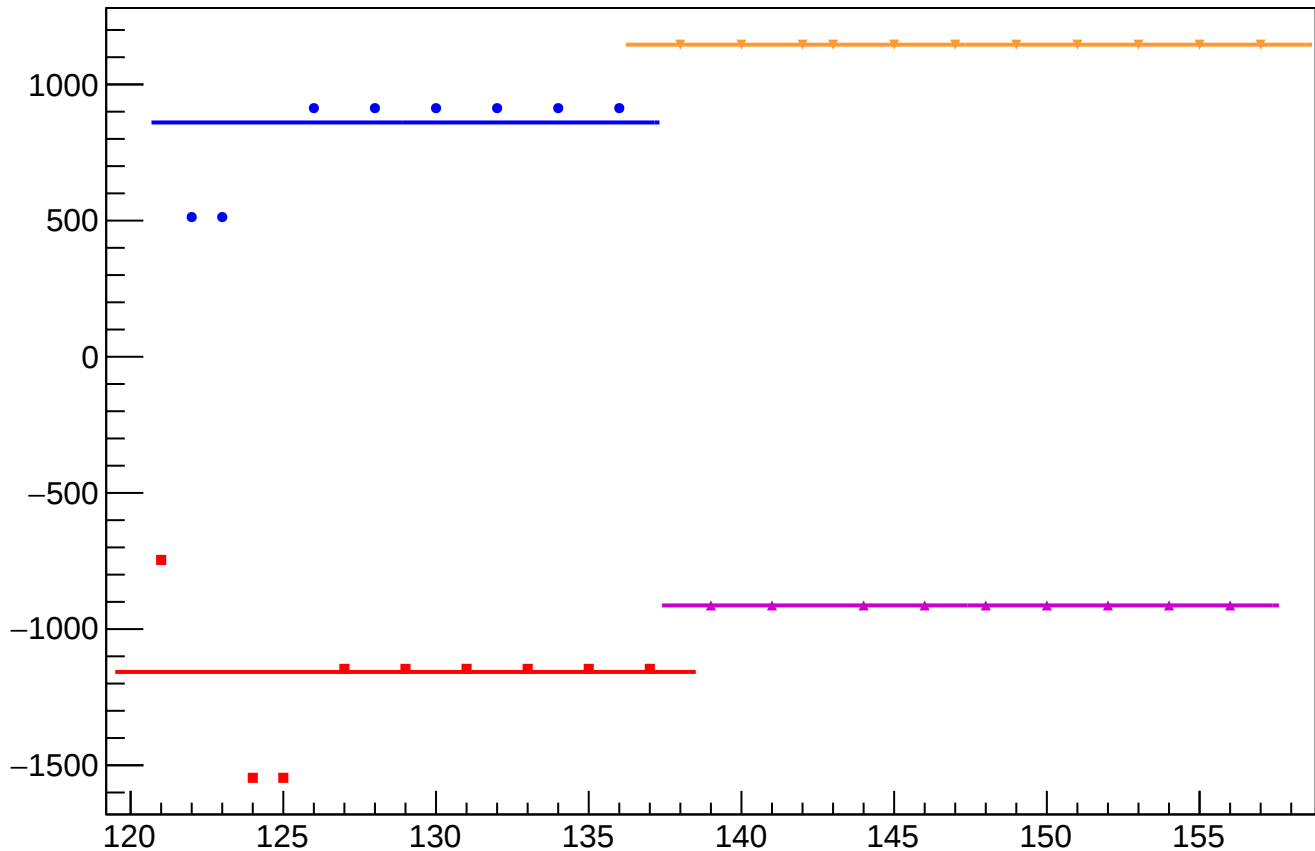
Left In: -17.009+/-0.000 χ^2/NDF : 6942.0/8

16.301+/-0.000 χ^2/NDF : 242116140051233590

0.453+/-0.000 χ^2/NDF : 61317774395015

-16.714+/-0.000 χ^2/NDF : 22486401480108882

RTPAPOSUCNT_mean vs Slug, Sign Corrected



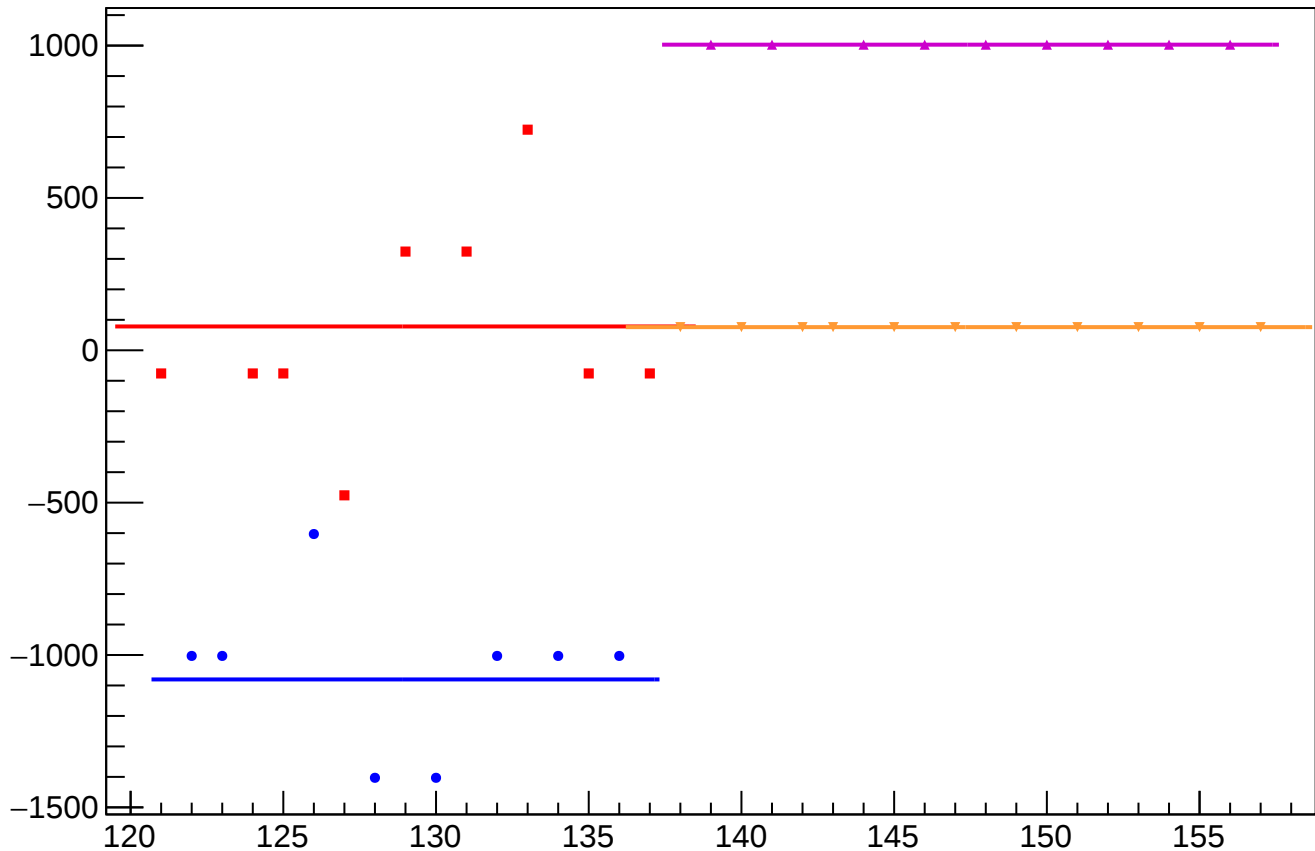
Right In: 860.361+/-0.000 χ^2/NDF : 6252693455178703850651720460594577408.0/7

Left Out: 1146.011+/-0.000 χ^2/NDF : 2623352773148546429651779584.0/10

Right Out: -1157.295+/-0.000 χ^2/NDF : 13880040120623316310083946144856014848.0/8

Left In: -912.993+/-0.000 χ^2/NDF : 9563447604203700901925355520.0/8

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Right In: -1080.182+/-0.000 χ^2/NDF : 21641787691490496475350584298794123264.0/7
 Left Out: 76.010+/-0.000 χ^2/NDF : 3100202528385717249555562496.0/10
 Right Out: 78.224+/-0.000 χ^2/NDF : 39611265375063350144036471826150326272.0/8
 Left In: 1002.989+/-0.000 χ^2/NDF : 1110083778837018645681405952.0/8