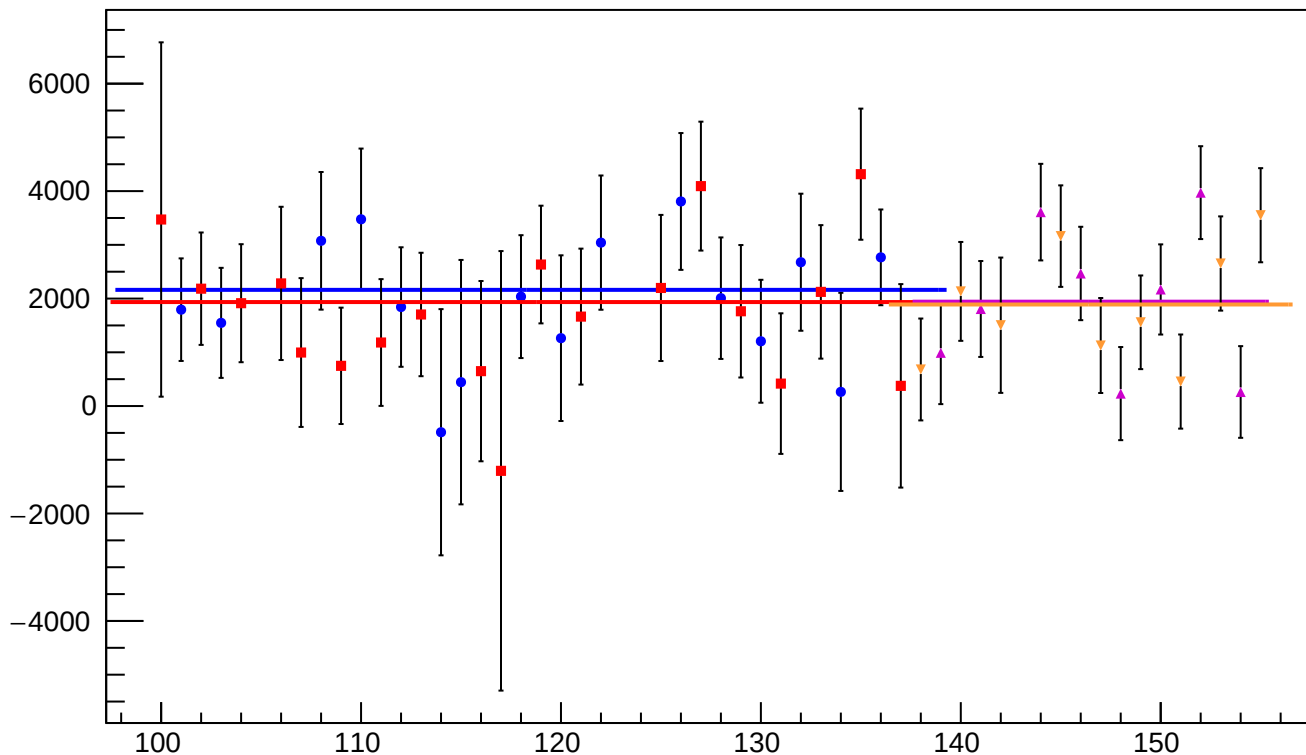


reg_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2162.311+/-307.312

χ^2 /NDF: 8.9/15

Left Out: 1890.006+/-307.897

χ^2 /NDF: 11.5/8

Right Out: 1935.183+/-299.773

χ^2 /NDF: 13.2/18

Left In: 1942.253+/-310.418

χ^2 /NDF: 18.2/7

2026.417+/-217.509

χ^2 /NDF: 20.8/24

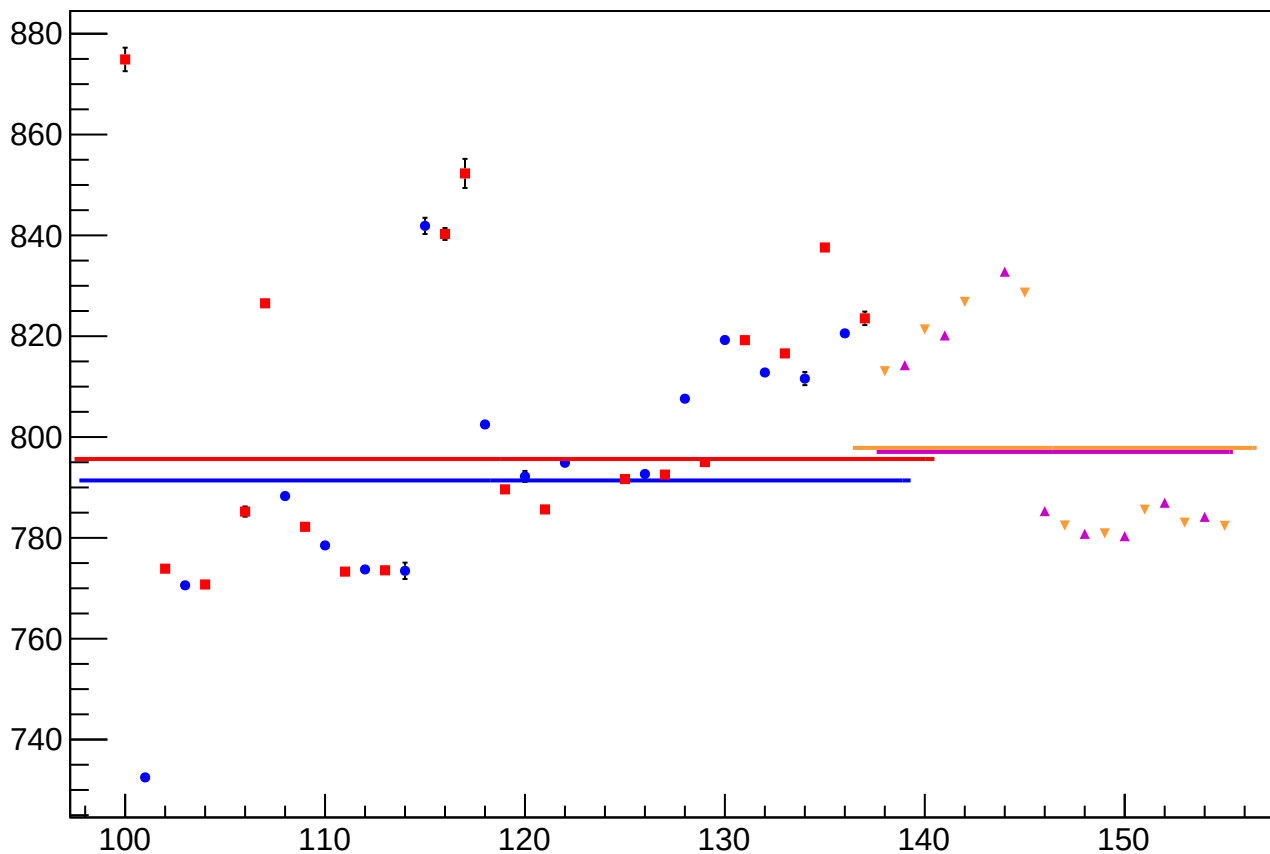
1982.126+/-153.136

χ^2 /NDF: 52.3/51

1938.595+/-215.637

χ^2 /NDF: 31.4/26

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 797.850 ± 0.218 χ^2/NDF : 7951.9/8

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

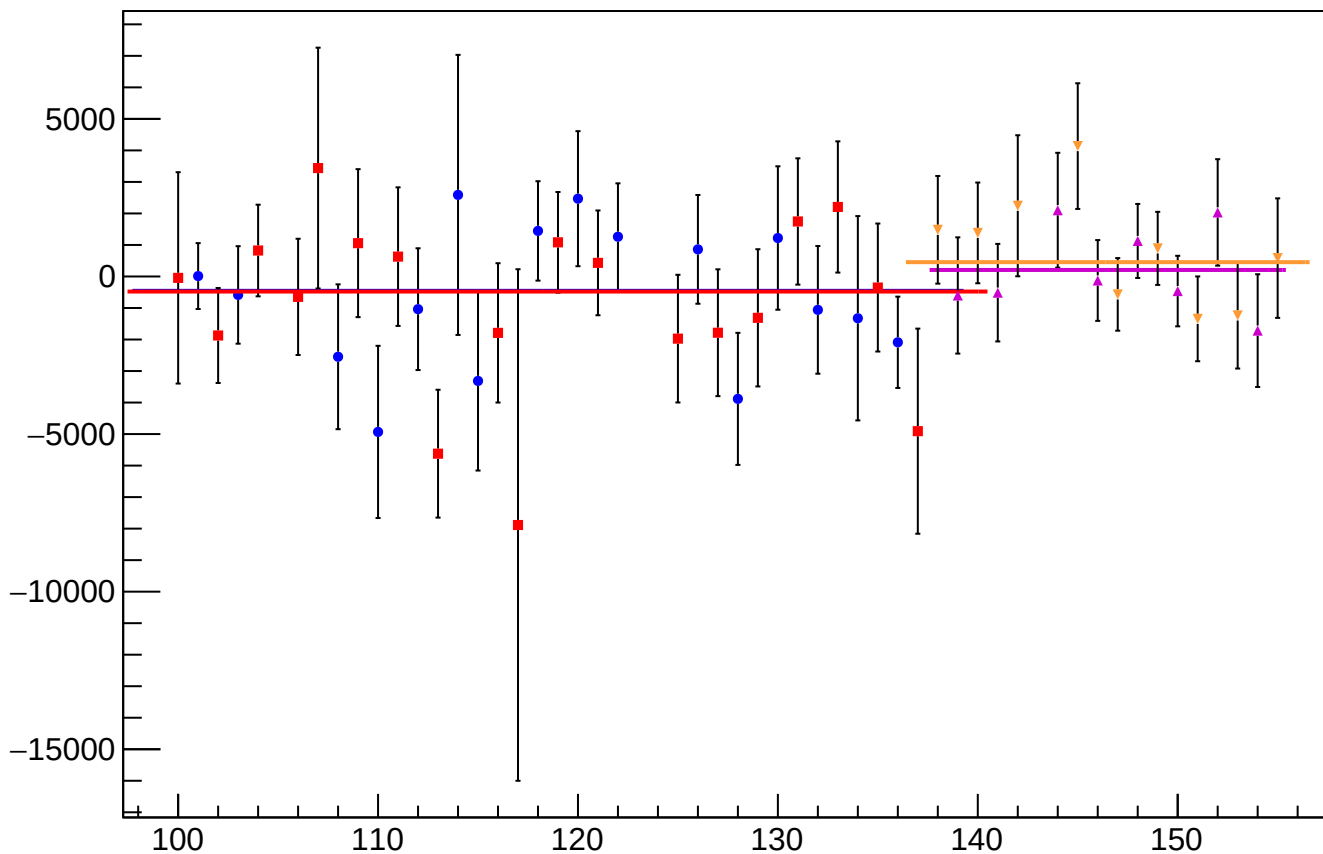
Left In: 797.048 ± 0.219 χ^2/NDF : 7741.2/7

794.614 ± 0.154 χ^2/NDF : 23401.2/24

795.477 ± 0.108 χ^2/NDF : 43171.1/51

796.325 ± 0.152 χ^2/NDF : 19707.5/26

asym_us_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 454.569+/-508.584 χ^2/NDF : 8.5/8

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

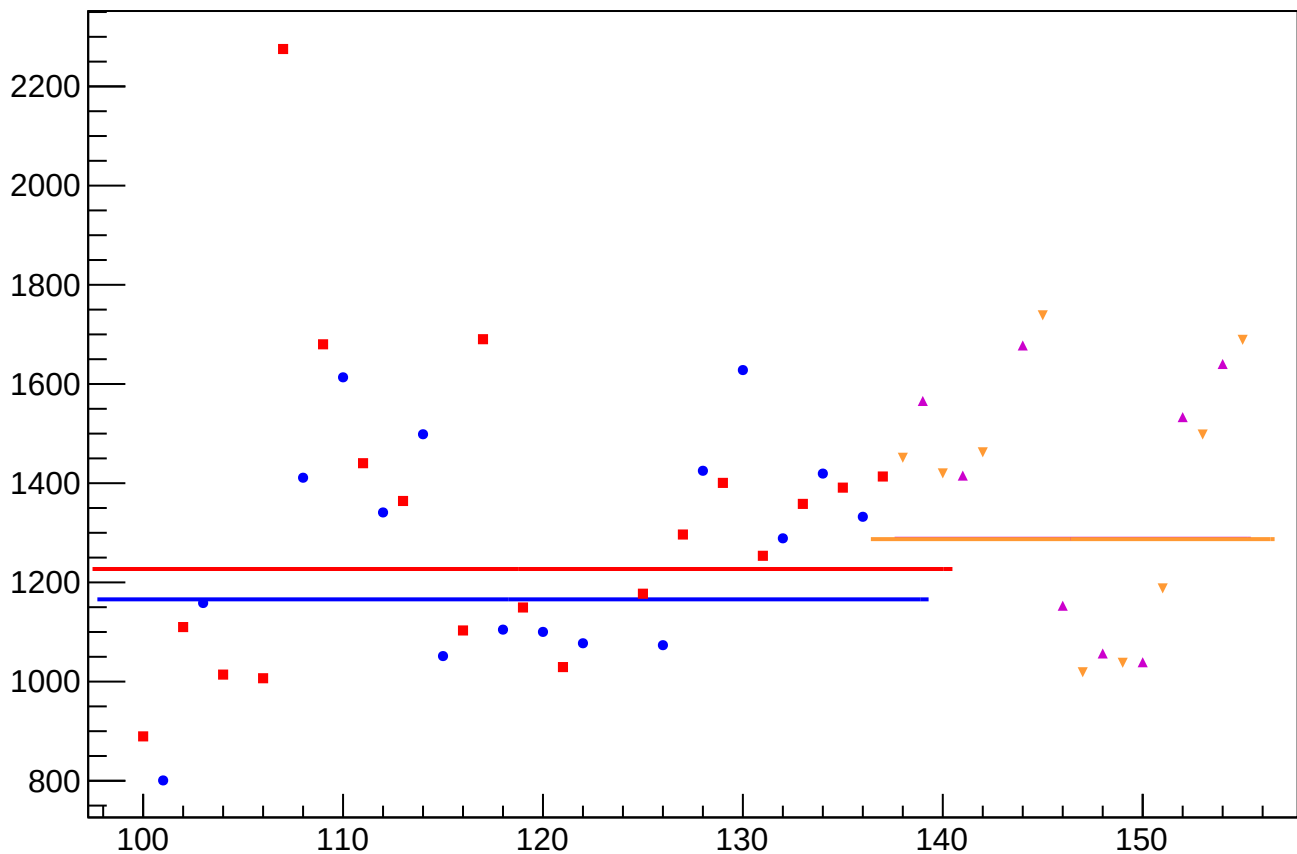
Left In: 206.868+/-512.415 χ^2/NDF : 4.9/7

-41.966+/-342.871 χ^2/NDF : 25.1/24

-102.003+/-243.945 χ^2/NDF : 49.1/51

-163.547+/-347.148 χ^2/NDF : 24.0/26

asym_us_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1287.236 $\pm$ 0.360 χ^2 /NDF: 480006.3/8

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

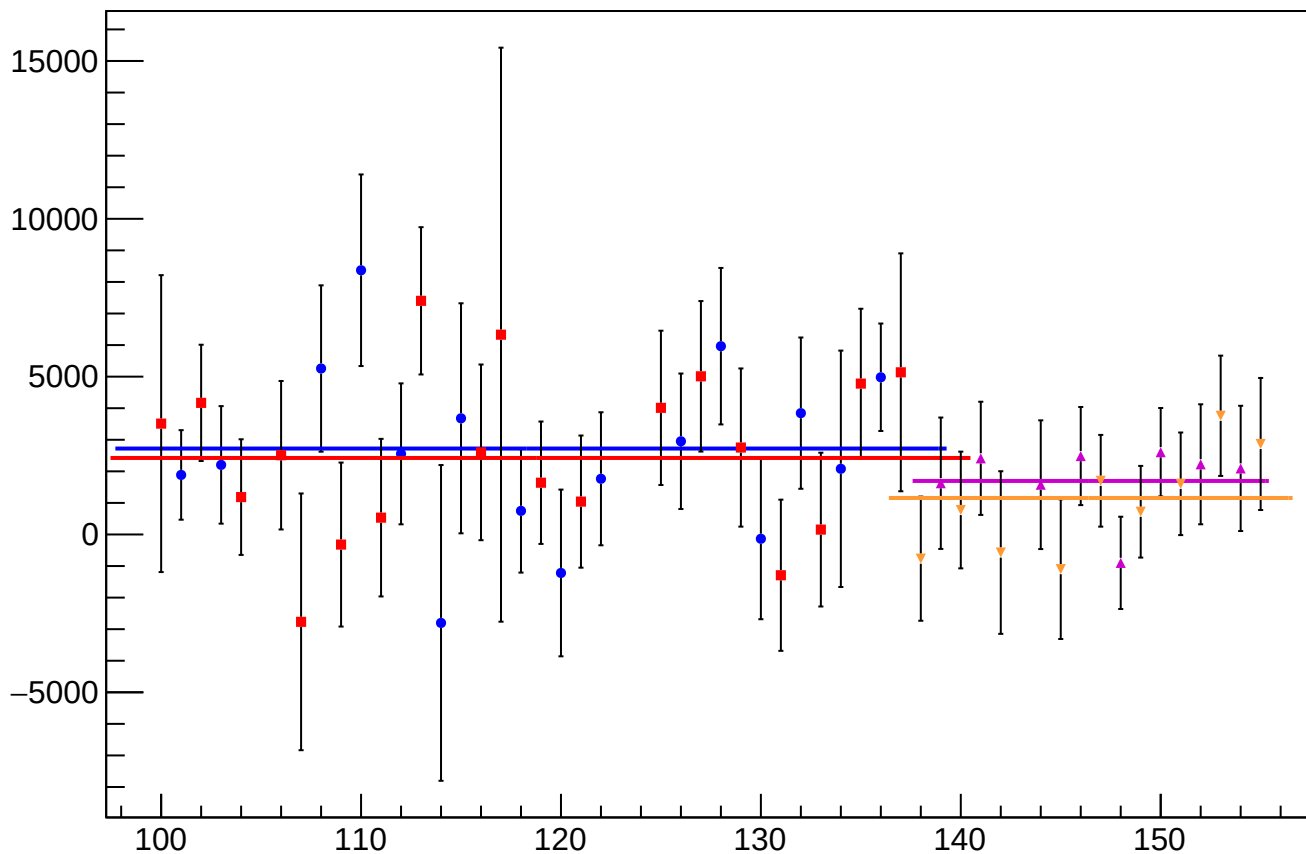
Left In: 1287.950 $\pm$ 0.362 χ^2 /NDF: 469053.2/7

1221.000 $\pm$ 0.242 χ^2 /NDF: 1068996.1/24

1237.782 $\pm$ 0.172 χ^2 /NDF: 2010012.7/51

1254.986 $\pm$ 0.245 χ^2 /NDF: 931313.4/26

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1156.269 $\pm$ 604.514 χ^2/NDF : 5.3/8

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

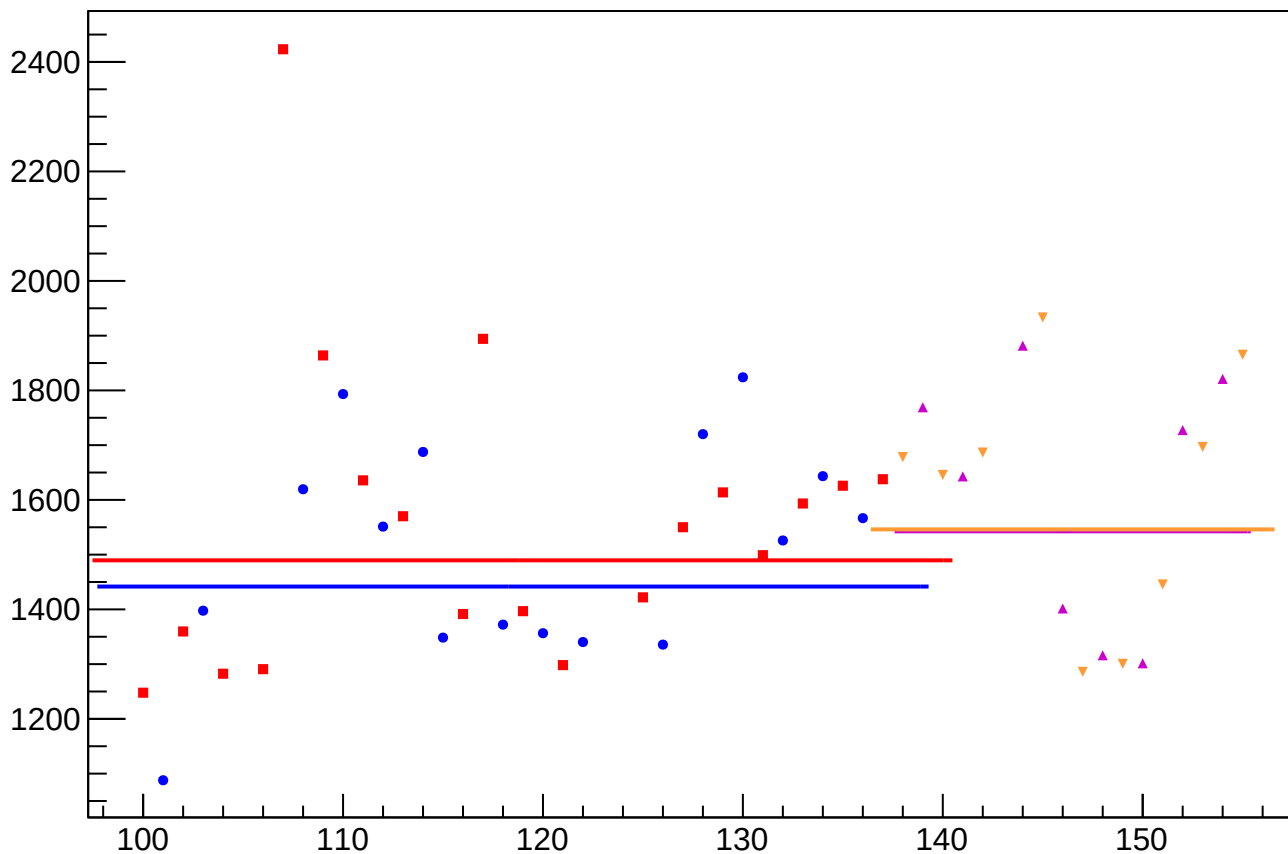
Left In: 1695.706 $\pm$ 607.991 χ^2/NDF : 4.1/7

1989.174 $\pm$ 413.616 χ^2/NDF : 23.5/24

2036.696 $\pm$ 292.960 χ^2/NDF : 44.8/51

2084.537 $\pm$ 415.002 χ^2/NDF : 21.4/26

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1546.116 $\pm$ 0.427 χ^2/NDF : 269957.6/8

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

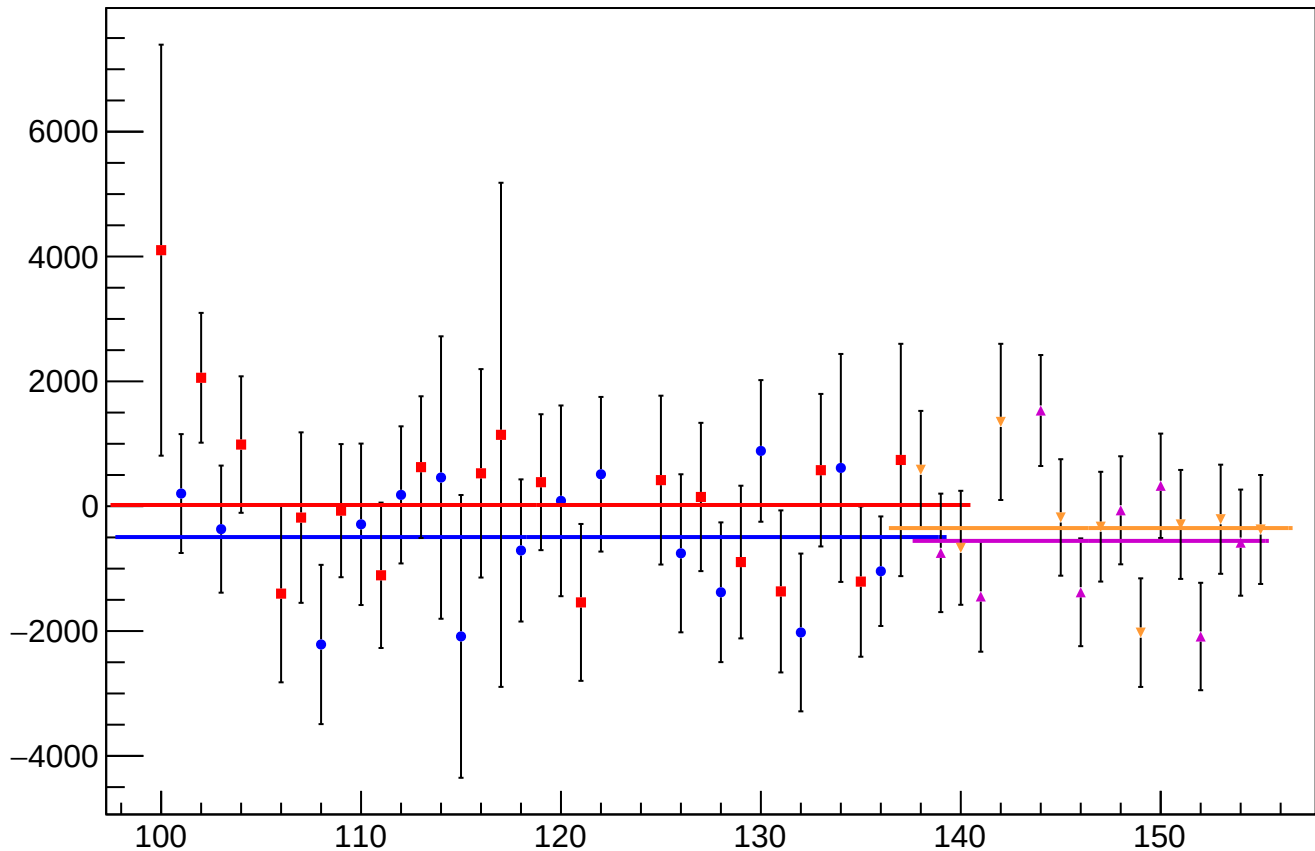
Left In: 1542.547 $\pm$ 0.430 χ^2/NDF : 267307.3/7

1490.593 $\pm$ 0.292 χ^2/NDF : 577583.7/24

1502.394 $\pm$ 0.207 χ^2/NDF : 1116372.0/51

1514.274 $\pm$ 0.293 χ^2/NDF : 535521.2/26

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -350.262+/-306.293 χ^2/NDF : 6.7/8

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

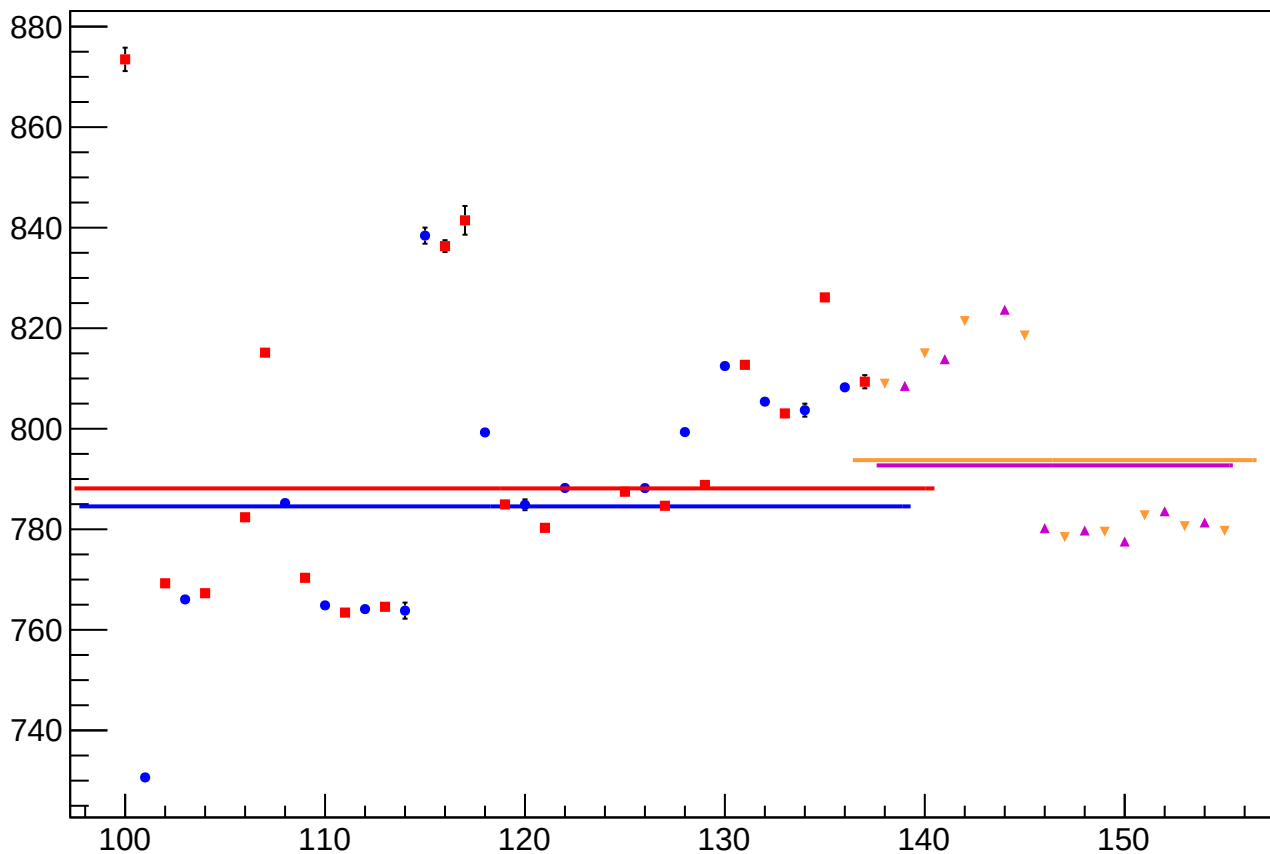
Left In: -555.638+/-308.705 χ^2/NDF : 12.1/7

-422.631+/-215.996 χ^2/NDF : 15.5/24

-338.961+/-152.023 χ^2/NDF : 43.1/51

-256.828+/-214.003 χ^2/NDF : 27.3/26

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 793.756 +/- 0.217 χ^2/NDF : 6422.1/8

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

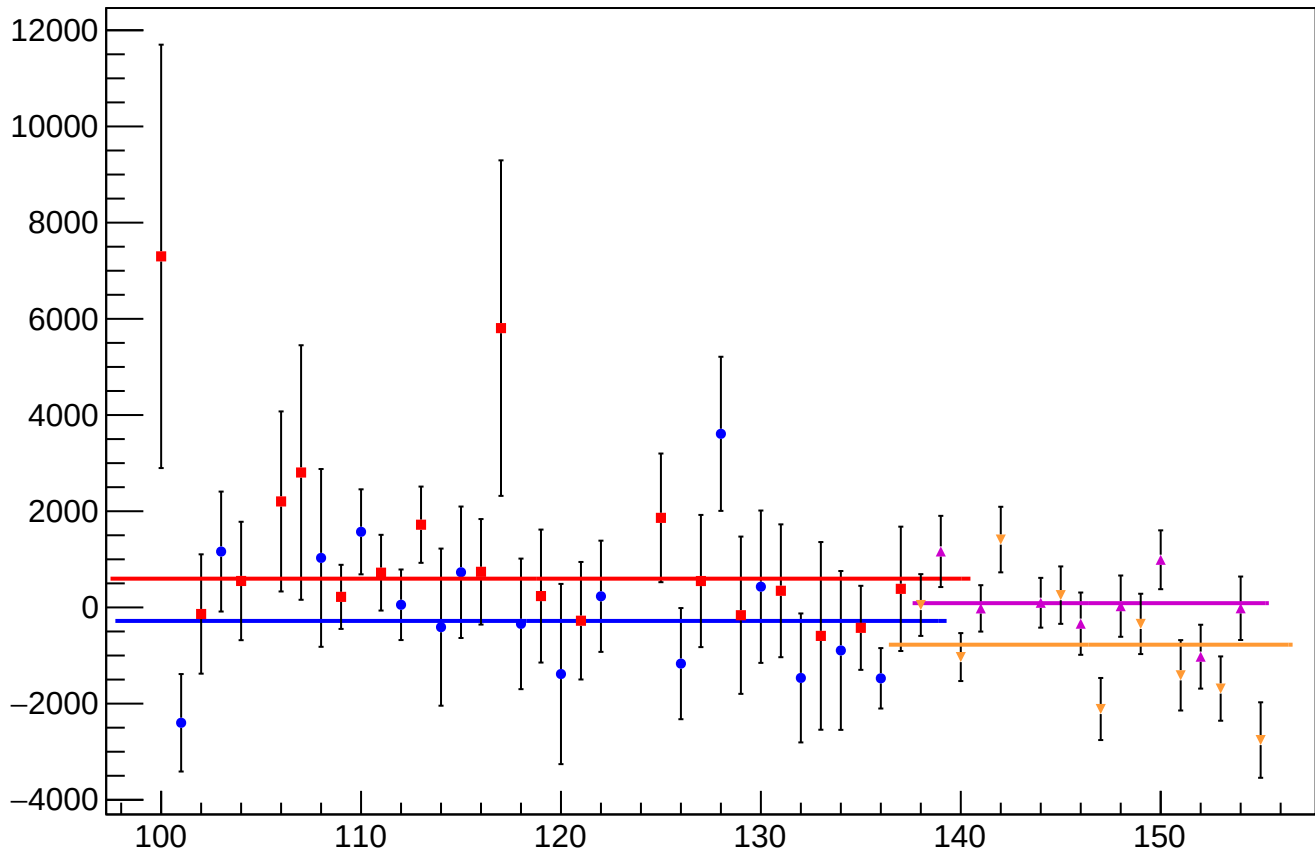
Left In: 792.714 +/- 0.218 χ^2/NDF : 6224.3/7

789.132 +/- 0.153 χ^2/NDF : 21006.4/24

789.739 +/- 0.107 χ^2/NDF : 38750.3/51

790.335 +/- 0.151 χ^2/NDF : 17712.6/26

asym_us_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -774.724 $\pm$ 212.816 χ^2/NDF : 28.9/8

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

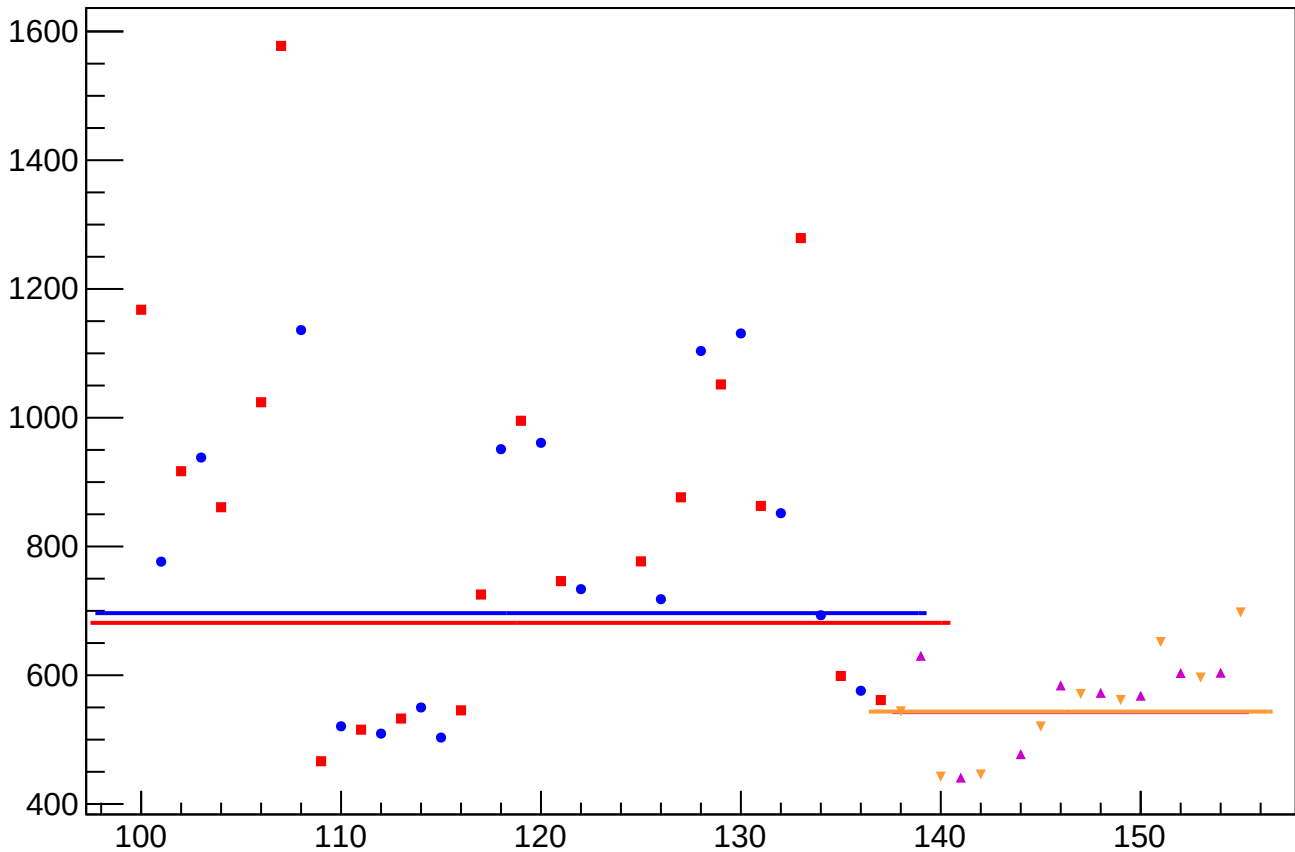
Left In: 88.748 $\pm$ 213.454 χ^2/NDF : 7.6/7

-595.841 $\pm$ 169.981 χ^2/NDF : 54.0/24

-151.178 $\pm$ 119.464 χ^2/NDF : 89.5/51

282.833 $\pm$ 167.933 χ^2/NDF : 22.0/26

asym_us_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 543.563+/-0.150 χ^2/NDF : 264702.0/8

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

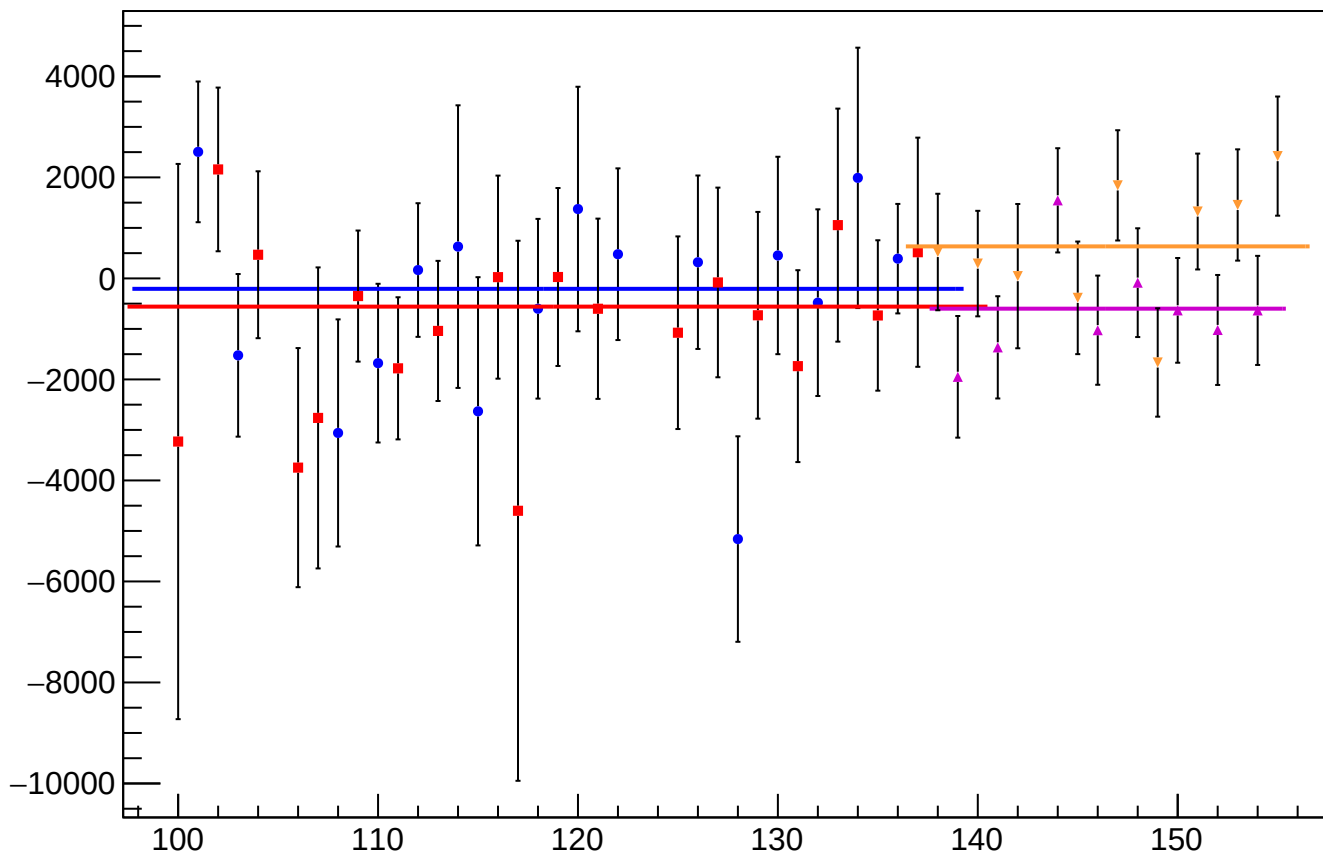
Left In: 542.681+/-0.151 χ^2/NDF : 198763.8/7

598.919+/-0.120 χ^2/NDF : 1597949.1/24

597.207+/-0.084 χ^2/NDF : 3471828.8/51

595.537+/-0.119 χ^2/NDF : 1873479.0/26

asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 633.791 ± 378.692 χ^2/NDF : 10.1/8

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

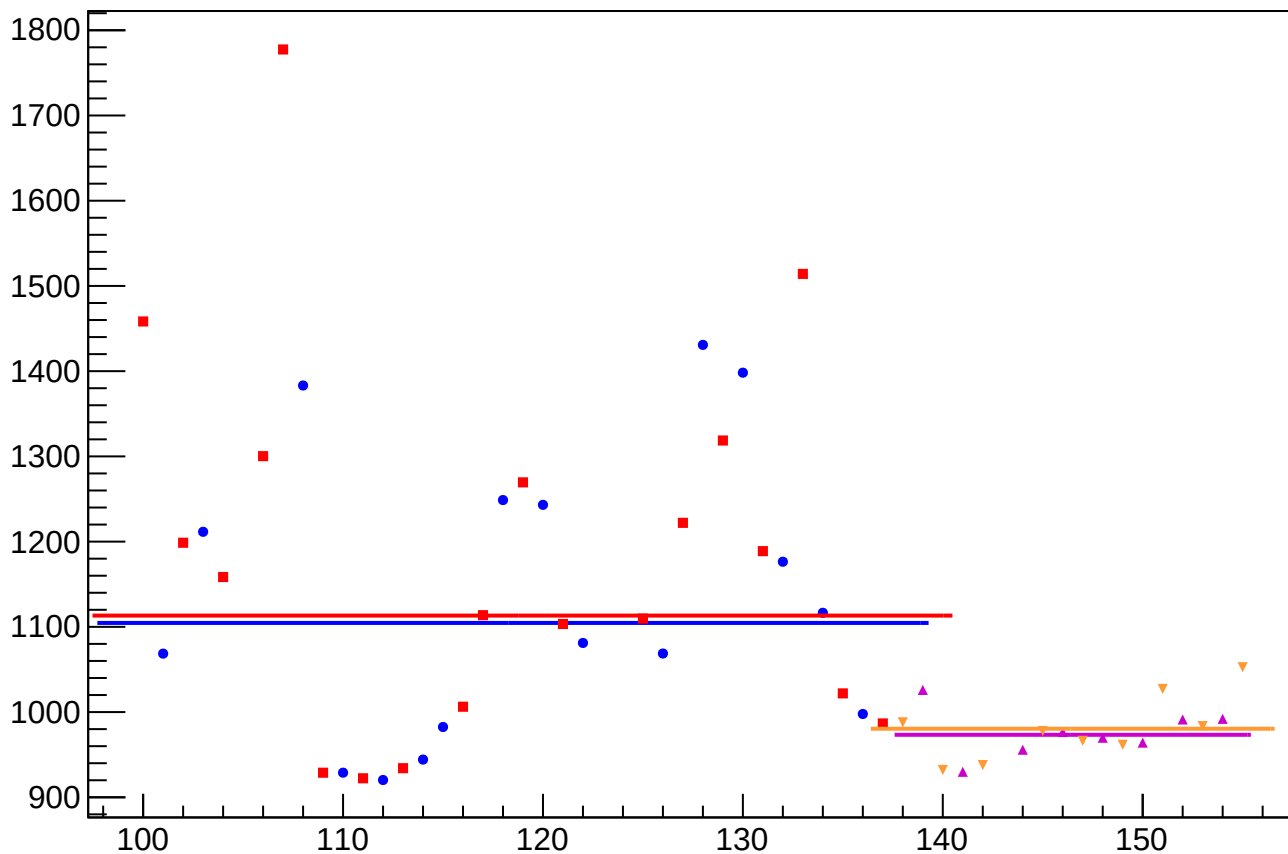
Left In: -599.339 ± 379.200 χ^2/NDF : 6.7/7

270.403 ± 285.275 χ^2/NDF : 28.0/24

-158.614 ± 200.973 χ^2/NDF : 47.9/51

-581.335 ± 283.174 χ^2/NDF : 15.4/26

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 980.451 $\pm$ 0.268 χ^2 /NDF: 17941.1/8

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

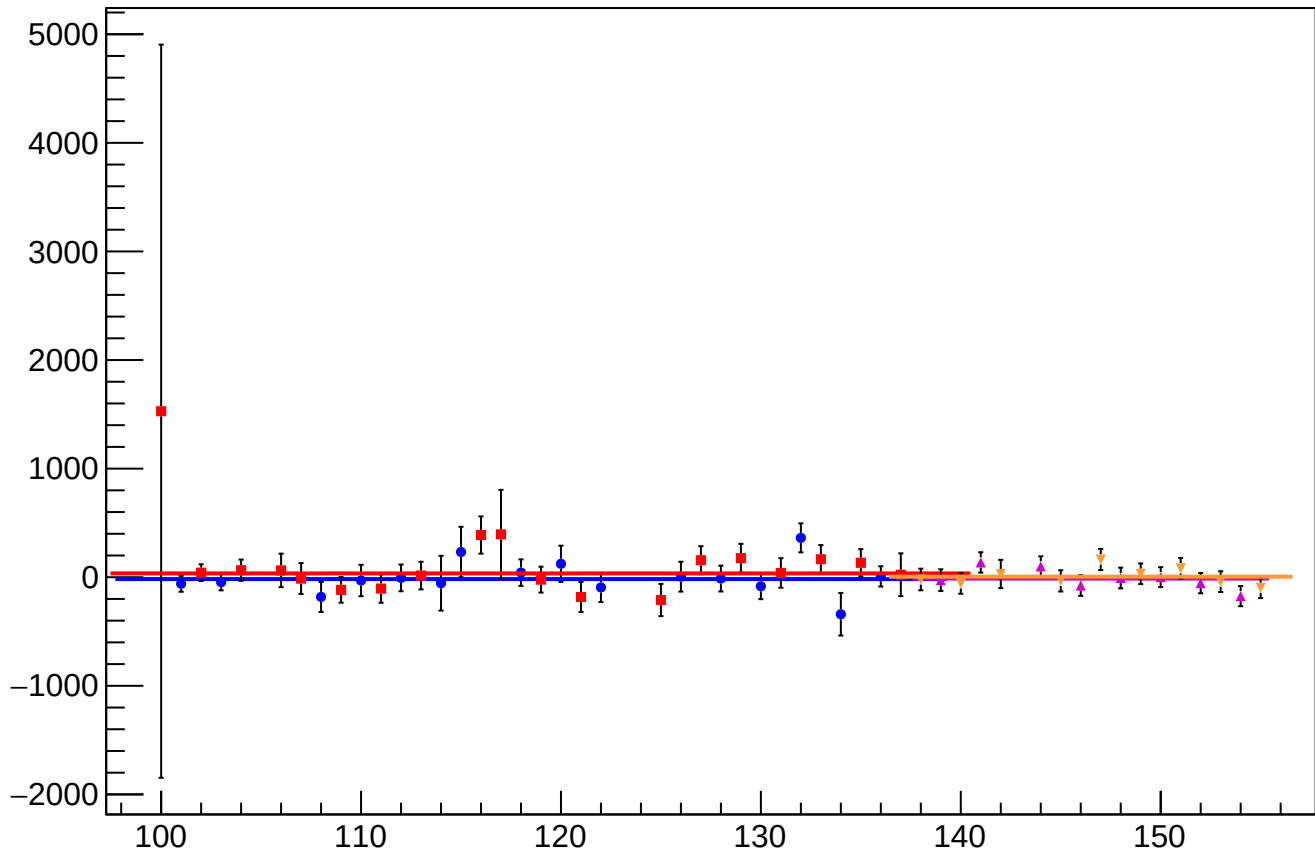
Left In: 973.346 $\pm$ 0.268 χ^2 /NDF: 9420.7/7

1034.146 $\pm$ 0.202 χ^2 /NDF: 366393.9/24

1034.685 $\pm$ 0.142 χ^2 /NDF: 859178.4/51

1035.217 $\pm$ 0.200 χ^2 /NDF: 492770.3/26

reg_asym_ds_avg_mean vs Slug, Sign Corrected



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

Left Out: 4.979 ± 32.964 χ^2/NDF : 5.4/8

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

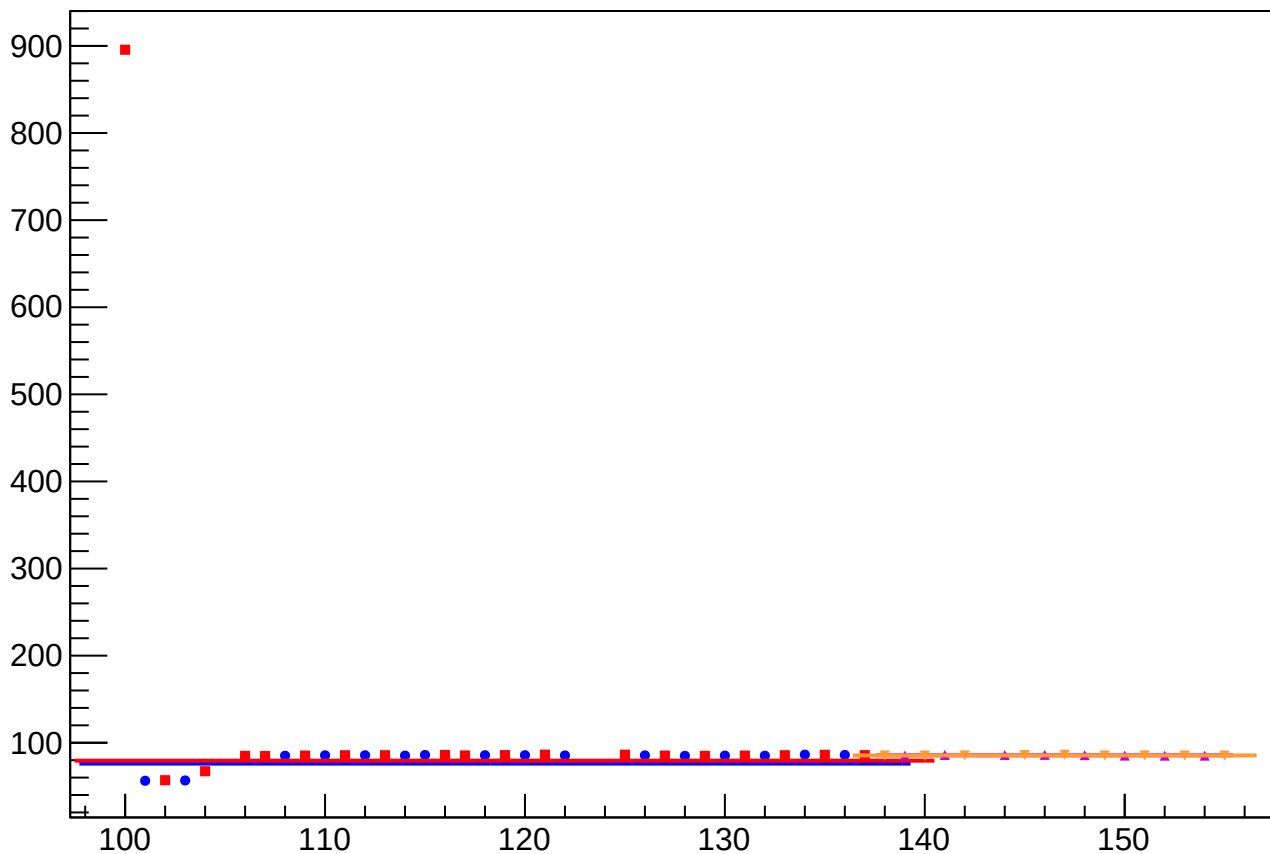
Left In: -12.302 ± 33.338 χ^2/NDF : 7.7/7

-7.177 ± 22.182 χ^2/NDF : 21.3/24

3.031 ± 15.778 χ^2/NDF : 47.8/51

13.485 ± 22.448 χ^2/NDF : 26.1/26

reg_asym_ds_avg_rms vs Slug, Sign Corrected



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

Left Out: 85.444+/-0.023 χ^2/NDF :164.2/8

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

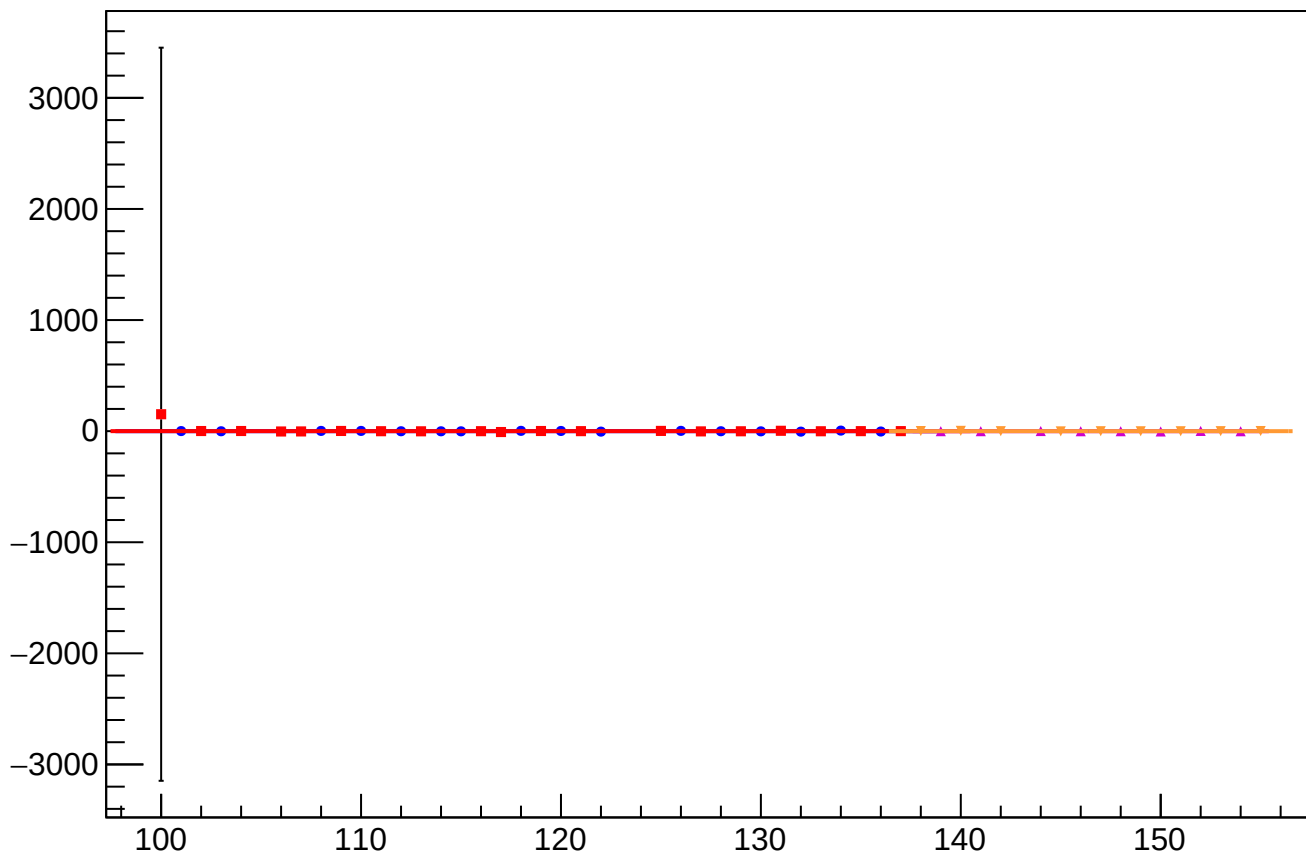
Left In: 85.625+/-0.024 χ^2/NDF :249.0/7

80.320+/-0.016 χ^2/NDF : 497666.6/24

81.266+/-0.011 χ^2/NDF : 922070.0/51

82.235+/-0.016 χ^2/NDF : 417040.8/26

asym_ds_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.228+/-0.553 χ^2 /NDF: 5.4/8

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

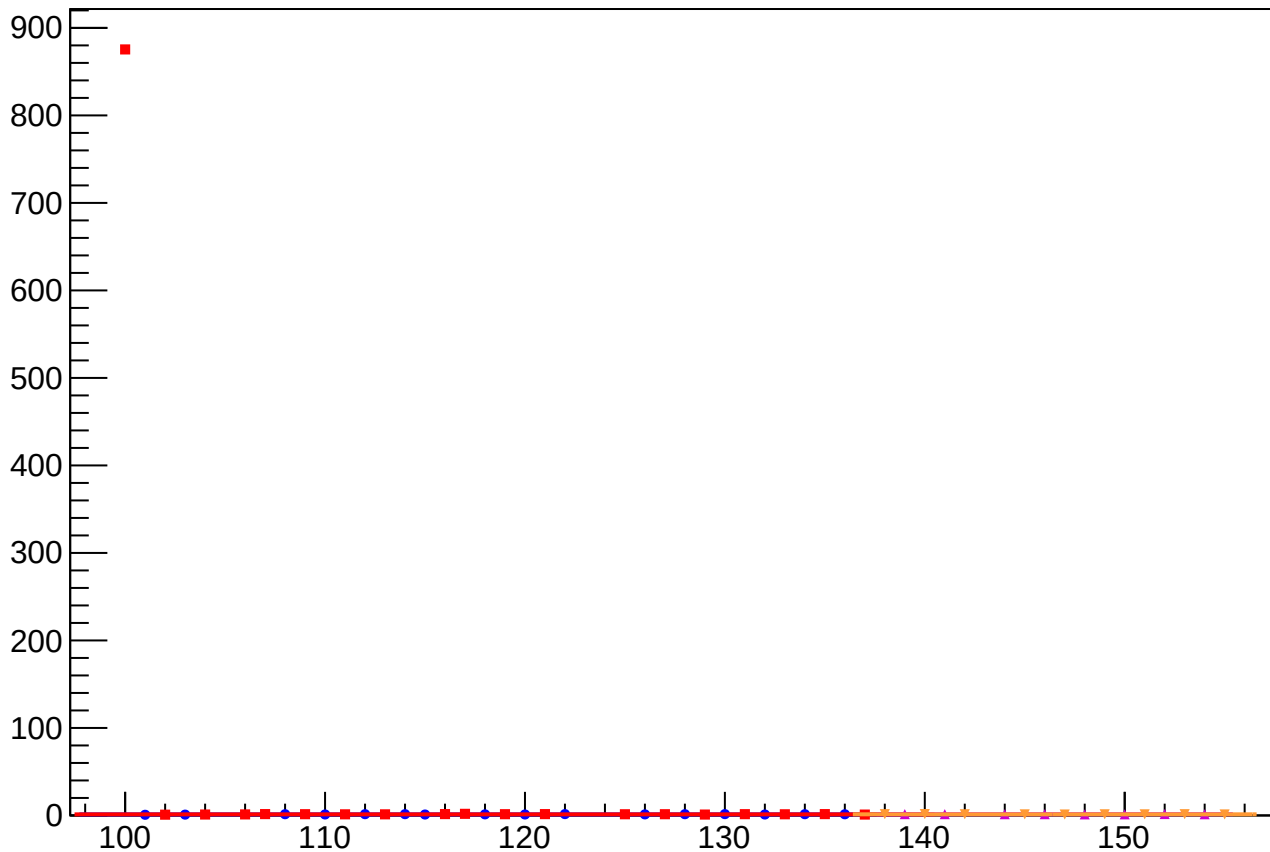
Left In: -0.363+/-0.595 χ^2 /NDF: 4.9/7

-0.257+/-0.371 χ^2 /NDF: 26.5/24

-0.196+/-0.269 χ^2 /NDF: 41.5/51

-0.128+/-0.391 χ^2 /NDF: 14.9/26

asym_ds_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.295 $\pm$ 0.000 χ^2 /NDF:137226.8/8

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

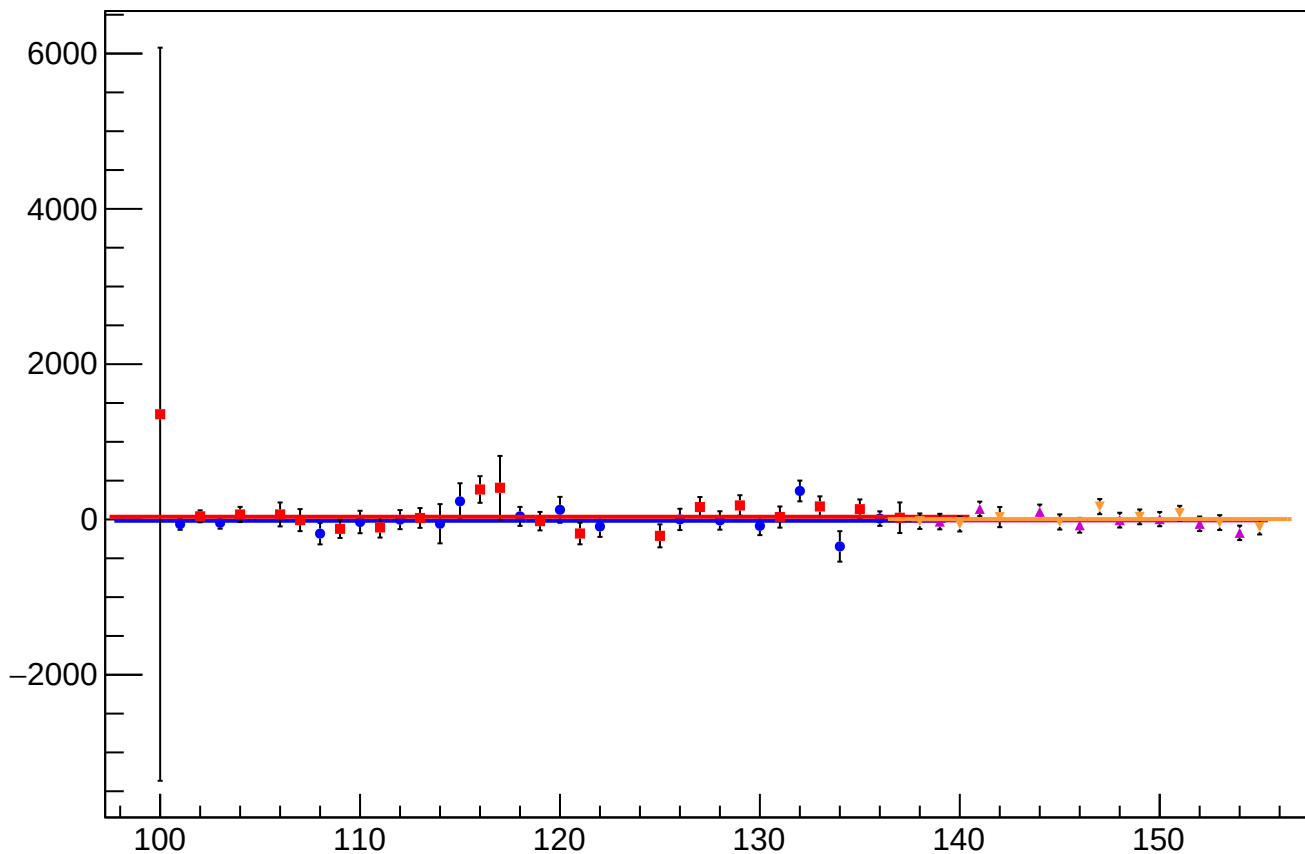
Left In: 1.413 $\pm$ 0.000 χ^2 /NDF:73779.9/7

1.217 $\pm$ 0.000 χ^2 /NDF: 724486.4/24

1.266 $\pm$ 0.000 χ^2 /NDF: 1484531.2/51

1.320 $\pm$ 0.000 χ^2 /NDF: 686346.8/26

asym_ds_avg_mean vs Slug, Sign Corrected



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

Left Out: 5.254 ± 32.972 χ^2/NDF : 5.5/8

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

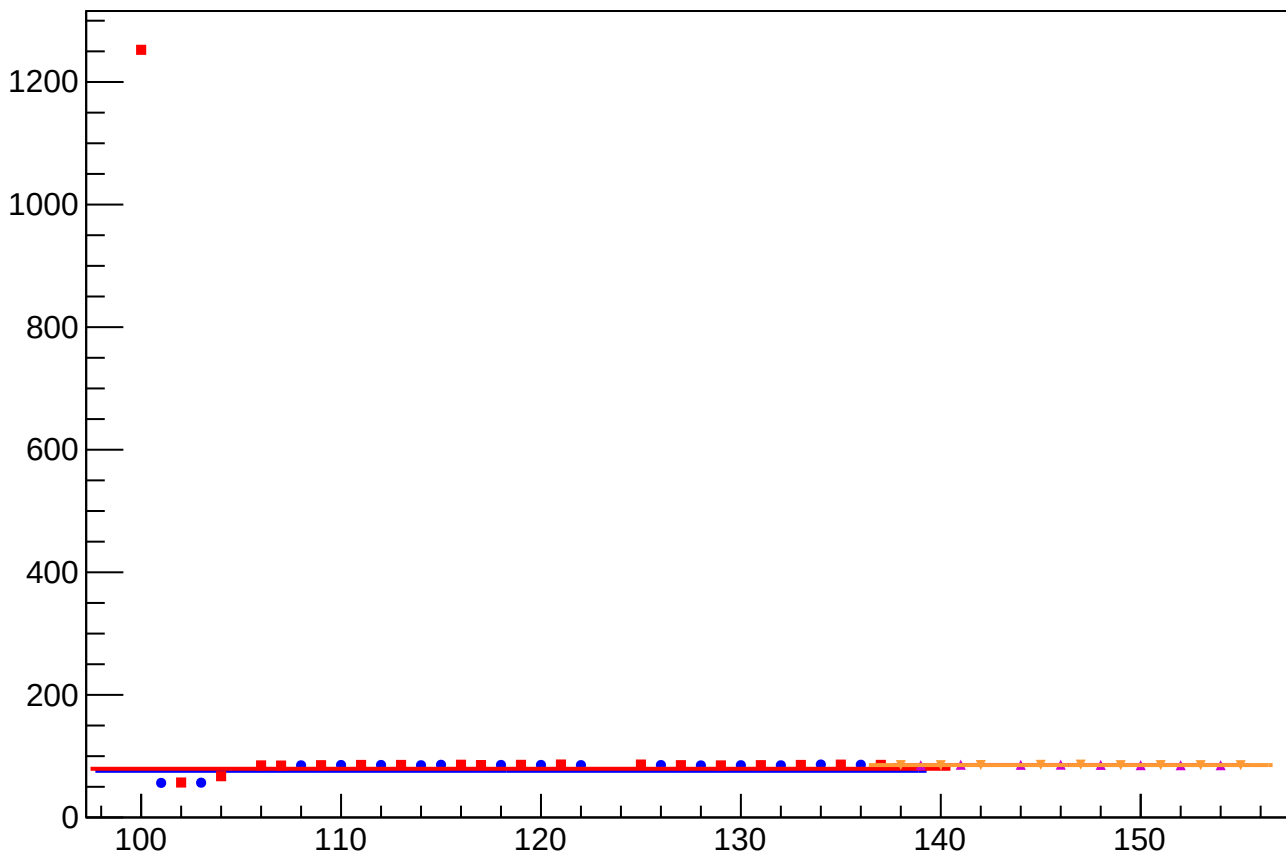
Left In: -11.938 ± 33.347 χ^2/NDF : 7.6/7

-6.546 ± 22.188 χ^2/NDF : 21.6/24

3.512 ± 15.783 χ^2/NDF : 48.1/51

13.812 ± 22.454 χ^2/NDF : 26.1/26

asym_ds_avg_rms vs Slug, Sign Corrected



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

Left Out: 85.467 $\pm$ 0.023 χ^2 /NDF: 164.3/8

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

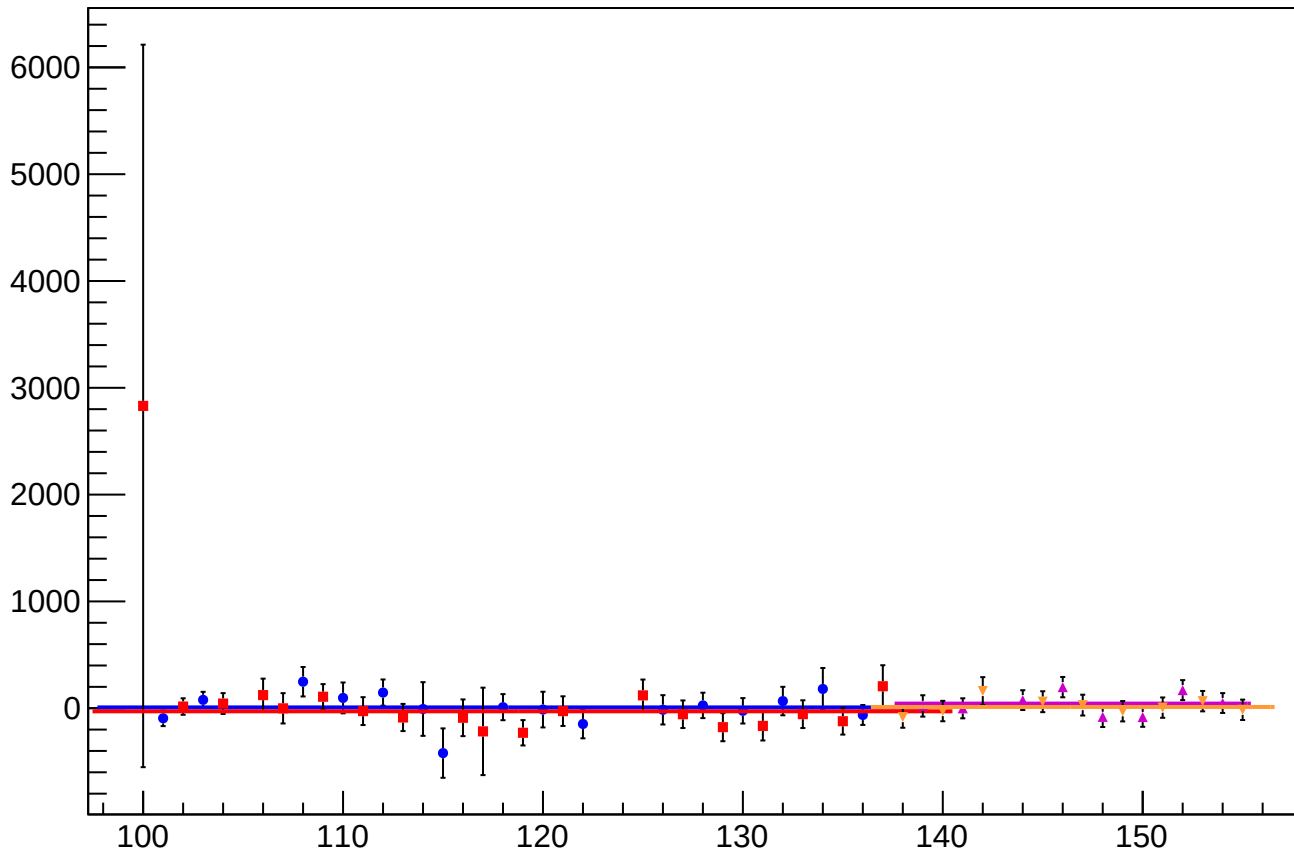
Left In: 85.648 $\pm$ 0.024 χ^2 /NDF: 248.6/7

80.341 $\pm$ 0.016 χ^2 /NDF: 497695.9/24

81.283 $\pm$ 0.011 χ^2 /NDF: 928771.8/51

82.247 $\pm$ 0.016 χ^2 /NDF: 423783.0/26

reg_asym_ds_dd_mean vs Slug, Sign Corrected



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

Left Out: 11.721 ± 32.967 χ^2/NDF : 3.3/8

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

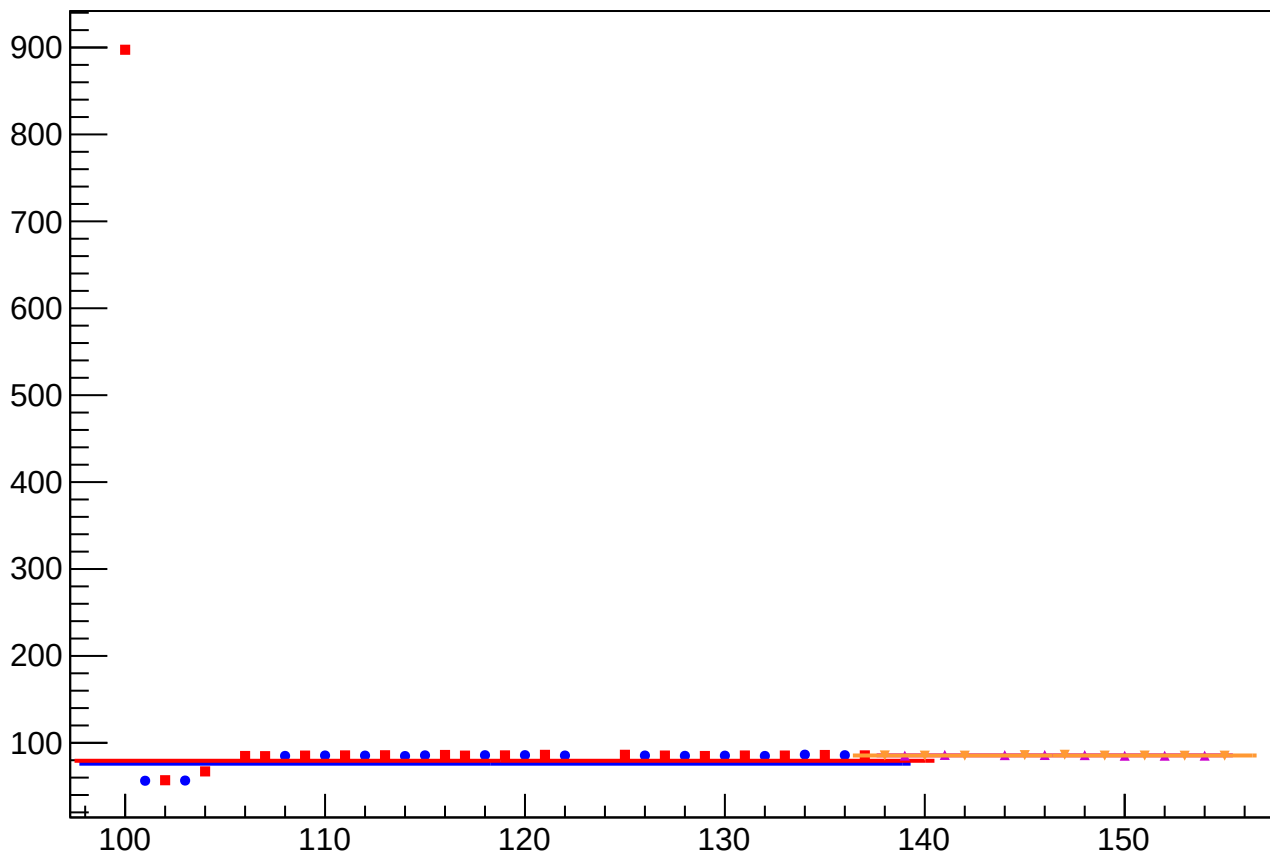
Left In: 43.201 ± 33.344 χ^2/NDF : 8.4/7

9.388 ± 22.176 χ^2/NDF : 17.2/24

6.593 ± 15.774 χ^2/NDF : 40.9/51

3.730 ± 22.442 χ^2/NDF : 23.7/26

reg_asym_ds_dd_rms vs Slug, Sign Corrected



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

Left Out: 85.453 $\pm$ 0.023 χ^2 /NDF: 219.1/8

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

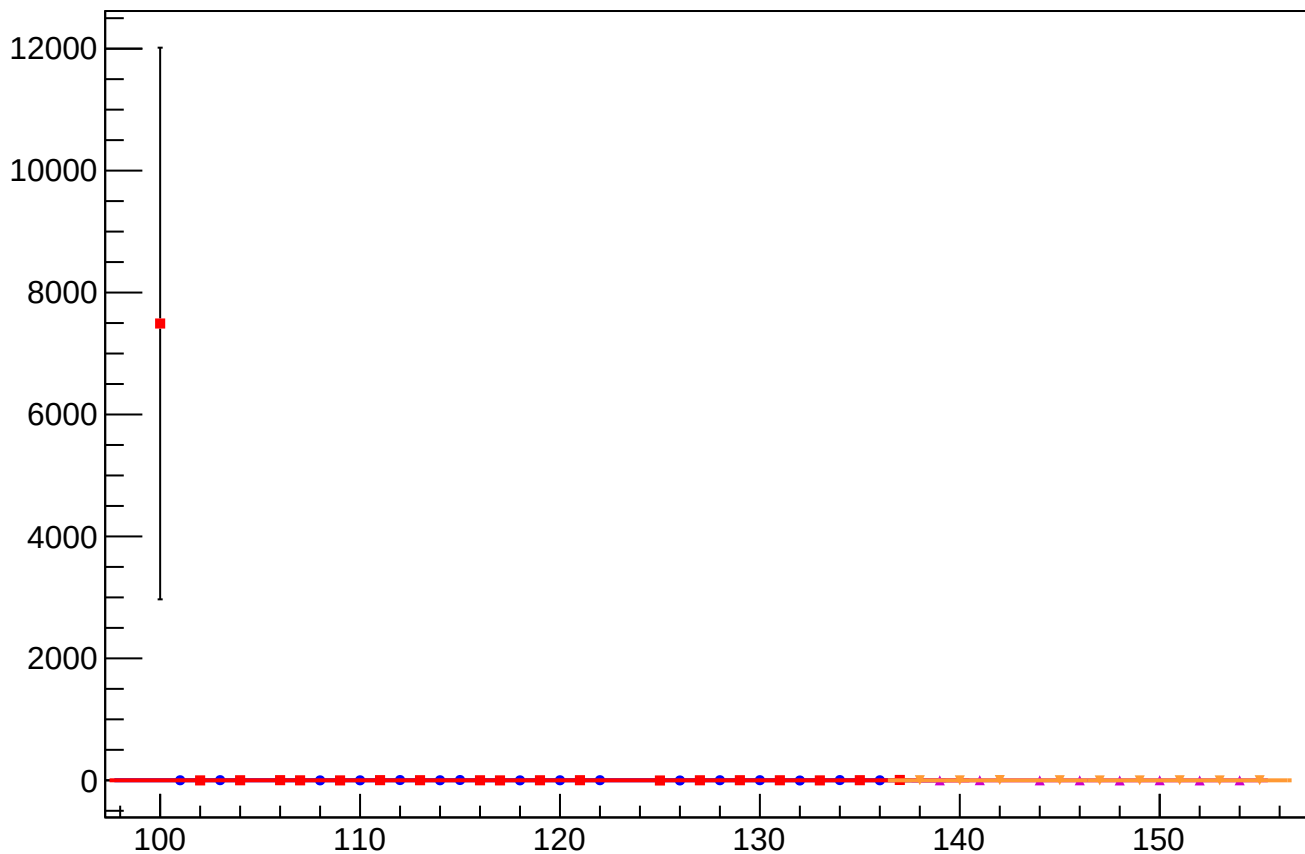
Left In: 85.639 $\pm$ 0.024 χ^2 /NDF: 247.0/7

80.294 $\pm$ 0.016 χ^2 /NDF: 498561.5/24

81.242 $\pm$ 0.011 χ^2 /NDF: 923610.6/51

82.212 $\pm$ 0.016 χ^2 /NDF: 417657.9/26

asym_ds_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.232 ± 0.557 χ^2/NDF : 7.8/8

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

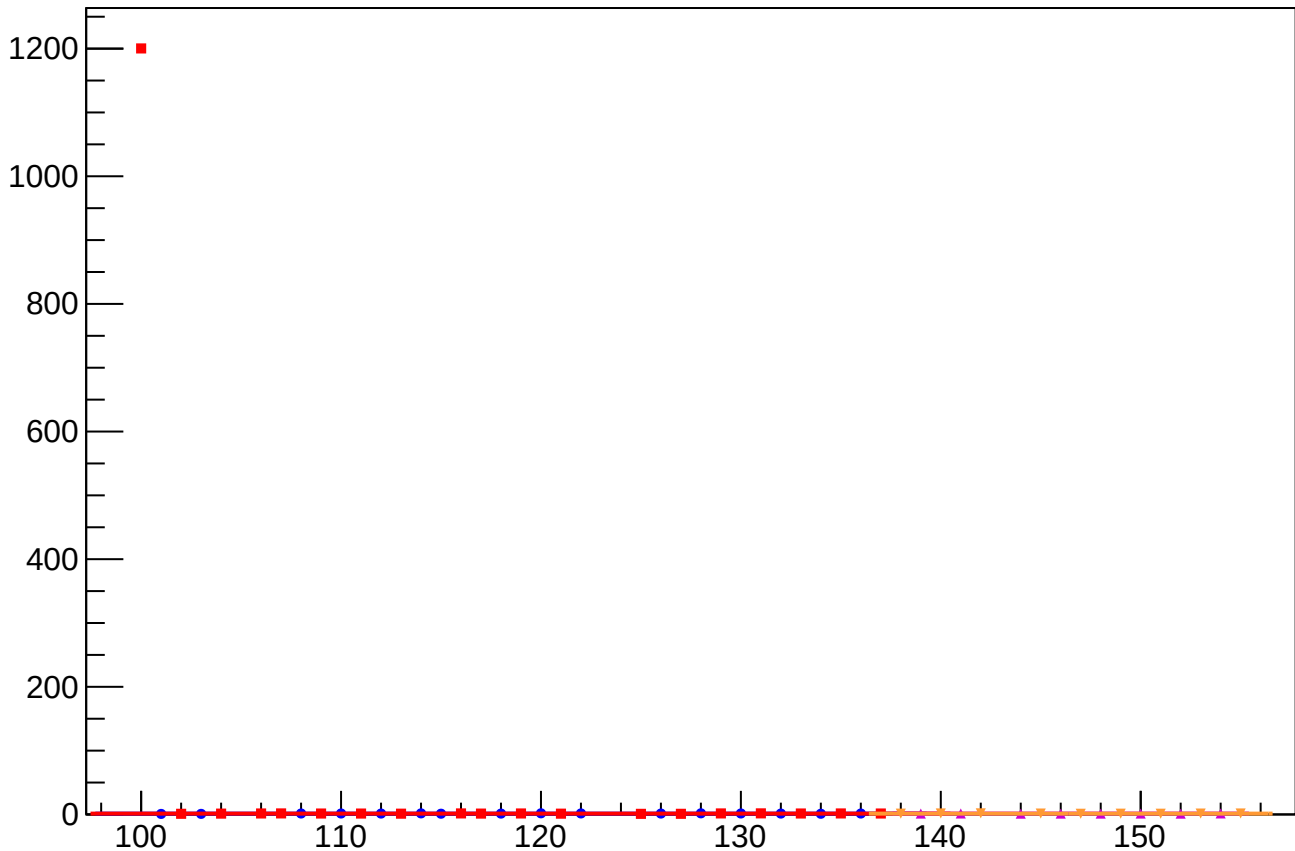
Left In: 0.008 ± 0.585 χ^2/NDF : 4.7/7

0.365 ± 0.385 χ^2/NDF : 22.0/24

0.270 ± 0.277 χ^2/NDF : 39.6/51

0.166 ± 0.400 χ^2/NDF : 17.5/26

asym_ds_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.308 $\pm$ 0.000 χ^2 /NDF: 214110.3/8

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

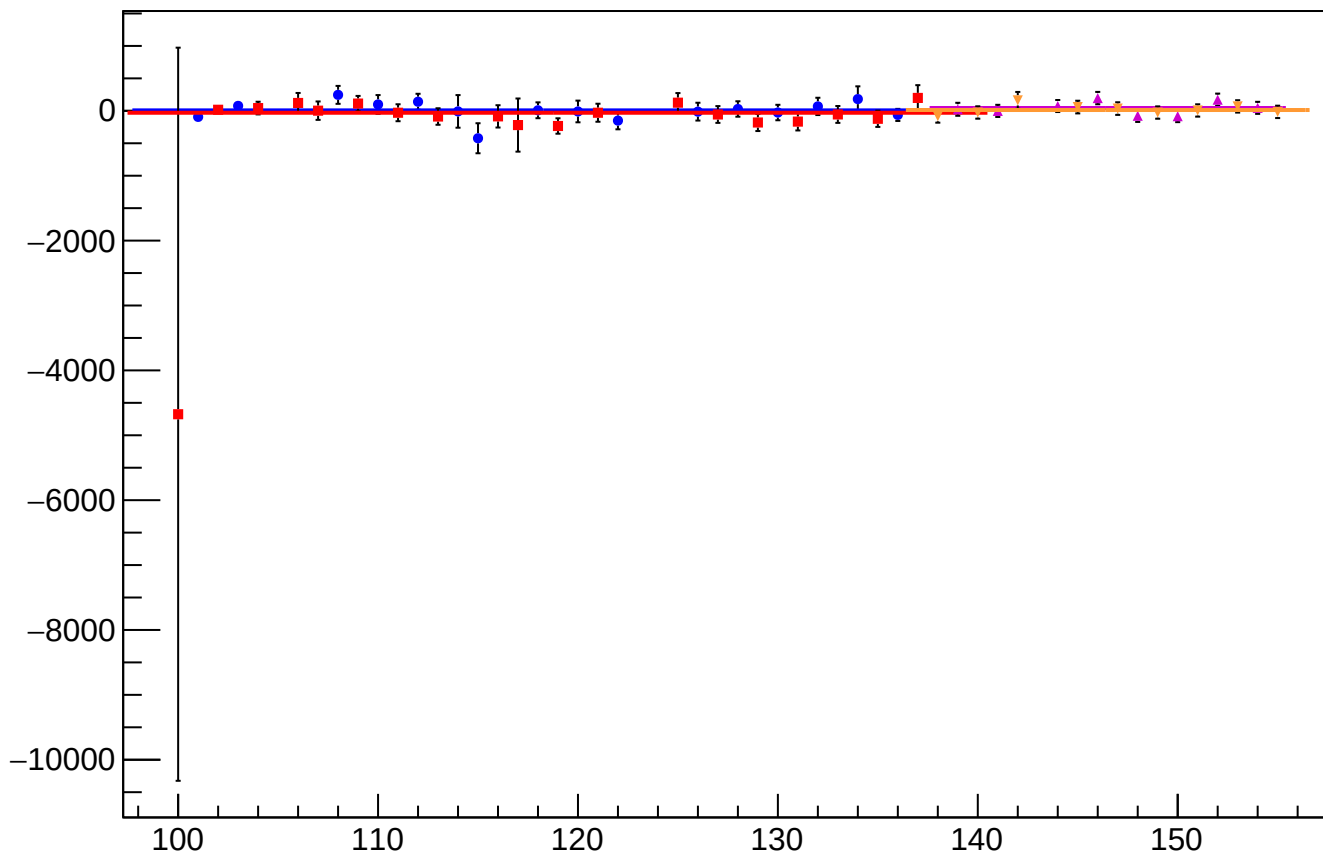
Left In: 1.387 $\pm$ 0.000 χ^2 /NDF: 74638.2/7

1.271 $\pm$ 0.000 χ^2 /NDF: 888508.5/24

1.309 $\pm$ 0.000 χ^2 /NDF: 1539850.7/51

1.350 $\pm$ 0.000 χ^2 /NDF: 611143.3/26

asym_ds_dd_mean vs Slug, Sign Corrected



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

Left Out: 12.418 ± 32.976 χ^2/NDF : 3.3/8

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

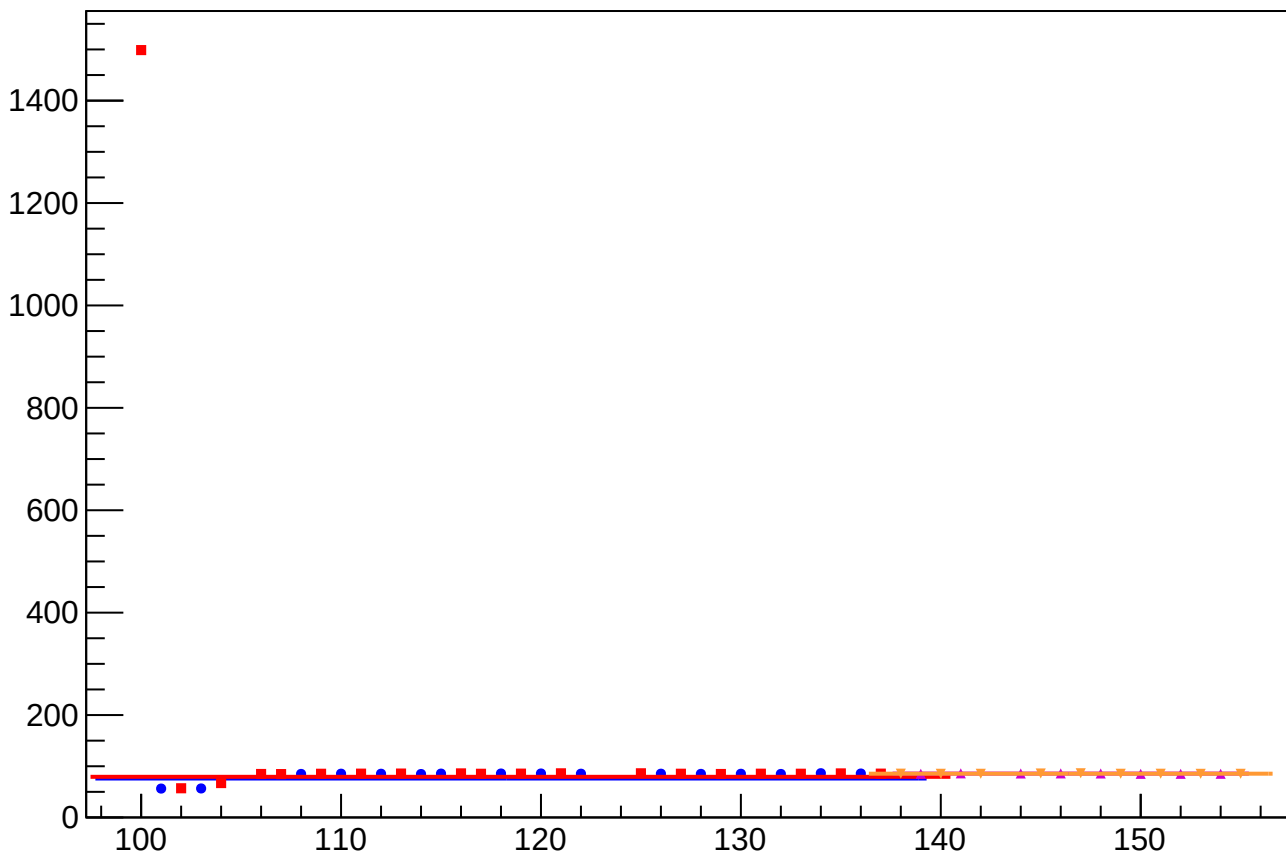
Left In: 43.545 ± 33.353 χ^2/NDF : 8.3/7

9.332 ± 22.181 χ^2/NDF : 17.1/24

6.469 ± 15.778 χ^2/NDF : 41.0/51

3.536 ± 22.449 χ^2/NDF : 23.8/26

asym_ds_dd_rms vs Slug, Sign Corrected



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

Left Out: 85.475 $\pm$ 0.023 χ^2 /NDF: 218.8/8

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

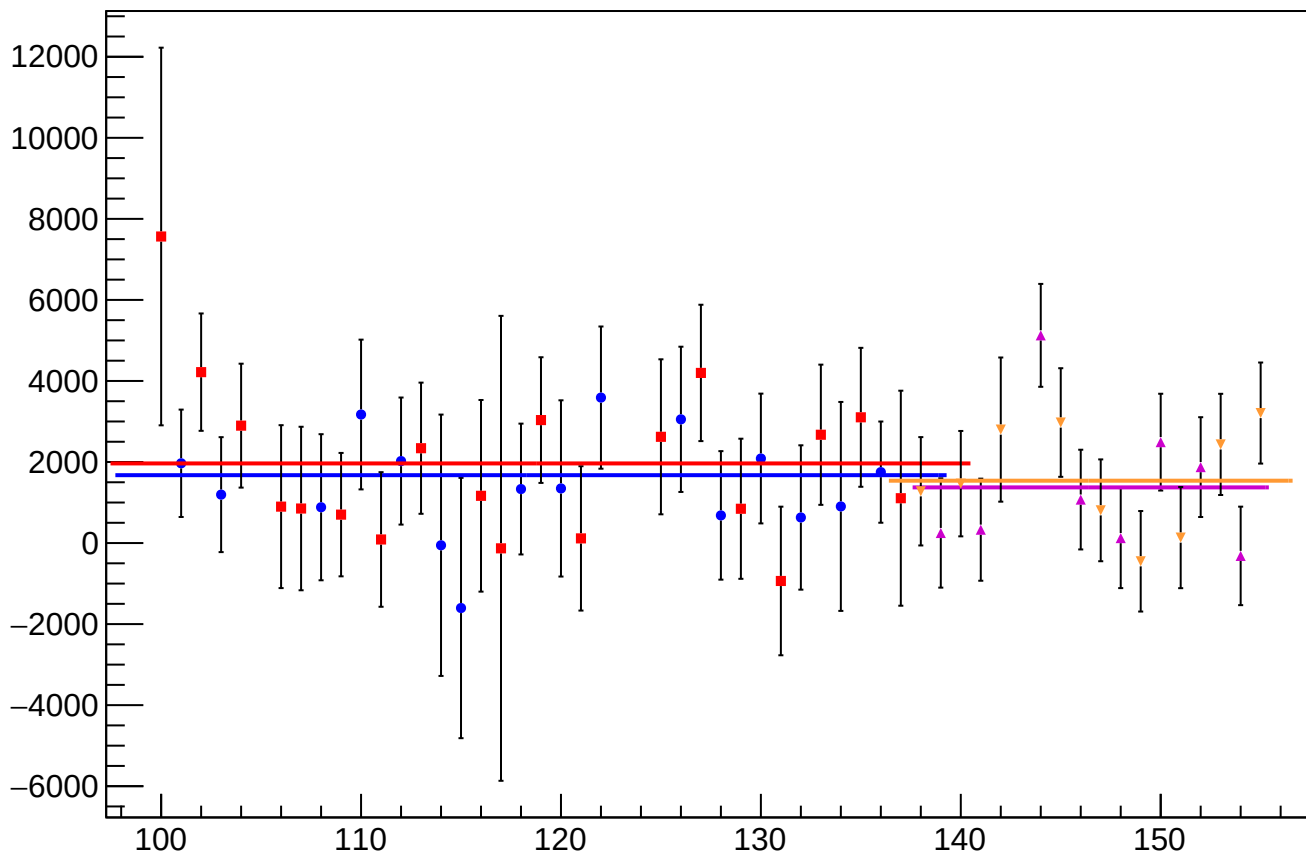
Left In: 85.662 $\pm$ 0.024 χ^2 /NDF: 247.0/7

80.316 $\pm$ 0.016 χ^2 /NDF: 498591.2/24

81.257 $\pm$ 0.011 χ^2 /NDF: 933099.6/51

82.221 $\pm$ 0.016 χ^2 /NDF: 427219.1/26

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1538.708 $\pm$ 437.134 χ^2 /NDF: 8.2/8

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

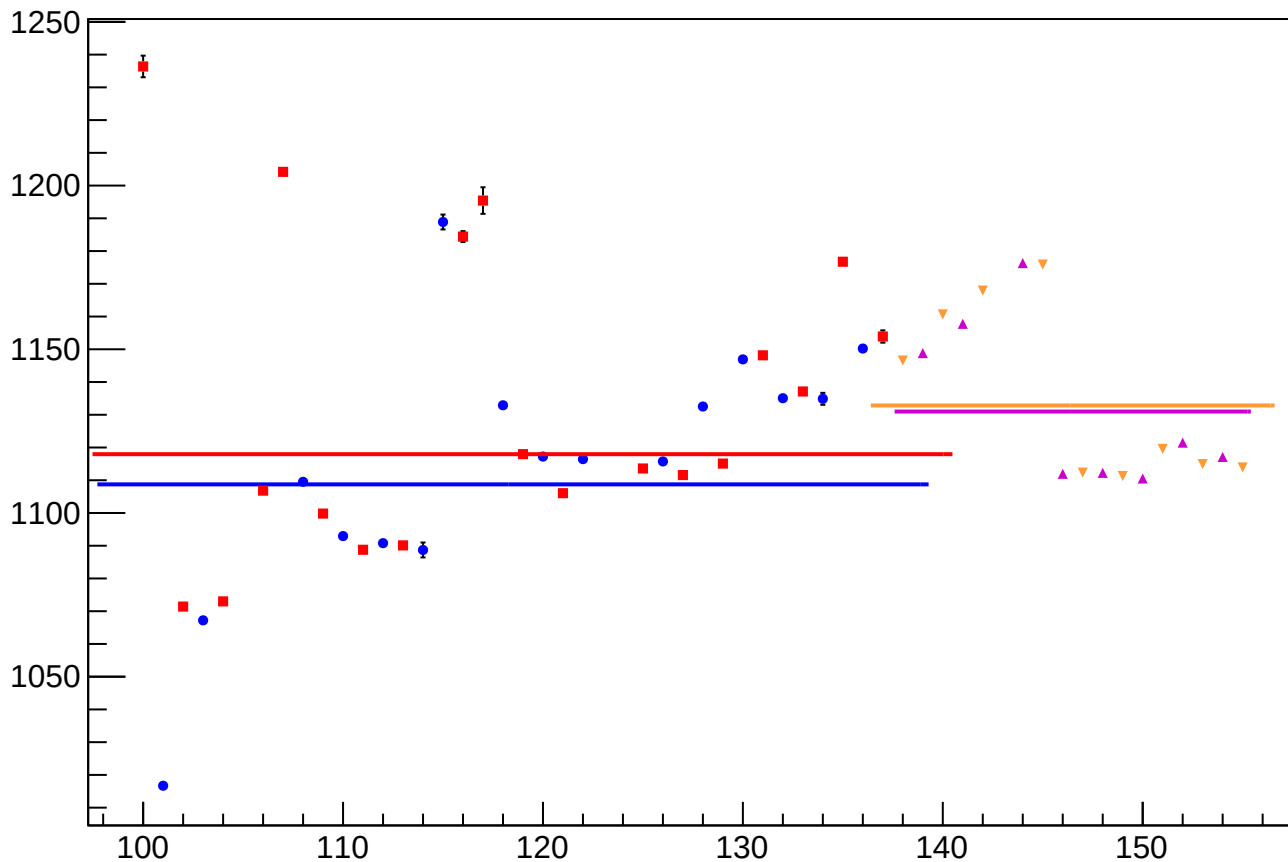
Left In: 1373.486 $\pm$ 440.431 χ^2 /NDF: 14.2/7

1607.878 $\pm$ 306.763 χ^2 /NDF: 13.4/24

1645.403 $\pm$ 216.085 χ^2 /NDF: 42.7/51

1682.360 $\pm$ 304.430 χ^2 /NDF: 29.3/26

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1132.836 $\pm$ 0.309 χ^2/NDF : 6200.6/8

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

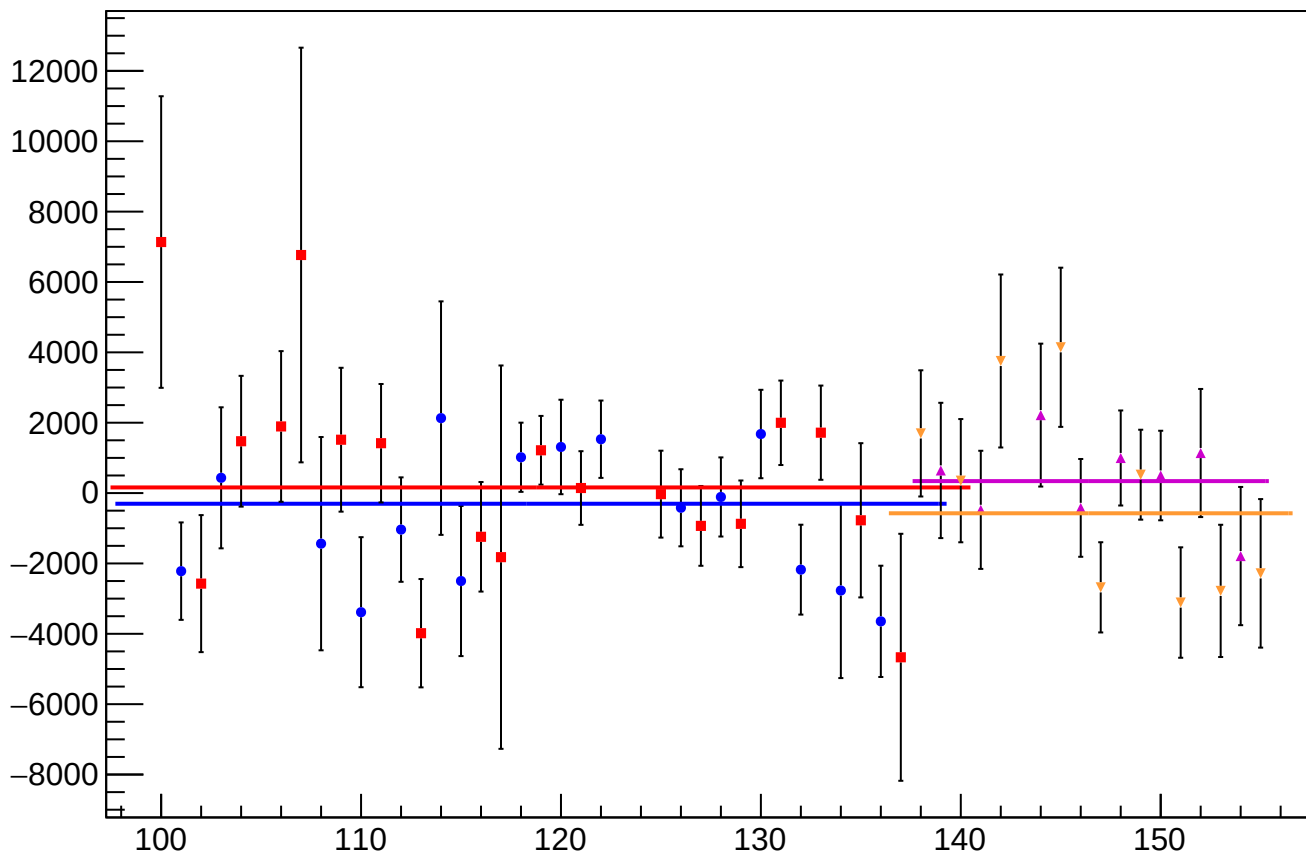
Left In: 1130.980 $\pm$ 0.311 χ^2/NDF : 5710.2/7

1120.606 $\pm$ 0.217 χ^2/NDF : 27365.8/24

1122.407 $\pm$ 0.153 χ^2/NDF : 50007.6/51

1124.180 $\pm$ 0.215 χ^2/NDF : 22505.0/26

asym_usl_correction_mean vs Slug, Sign Corrected



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

Left Out: -574.365 $\pm$ 565.059 χ^2/NDF : 17.4/8

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

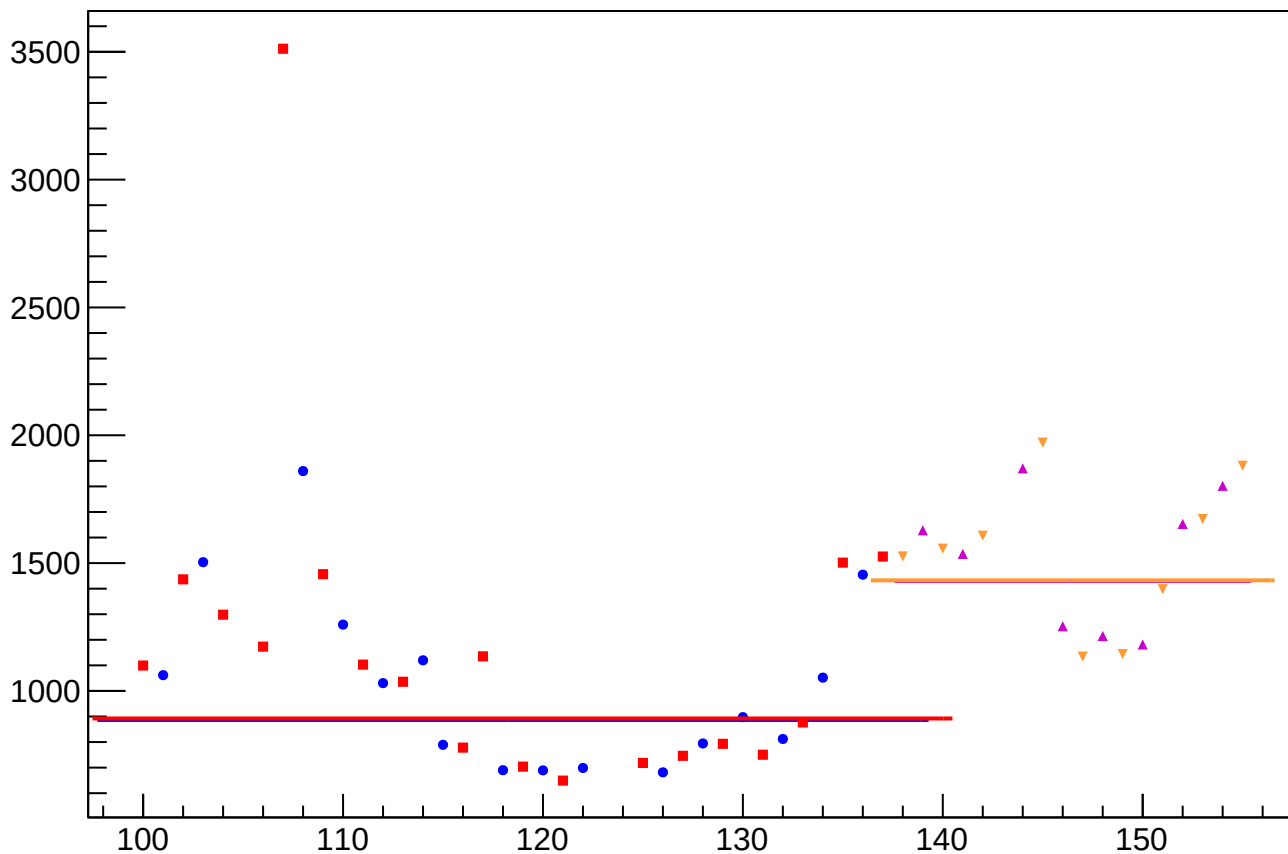
Left In: 340.188 $\pm$ 566.887 χ^2/NDF : 3.0/7

-381.605 $\pm$ 303.658 χ^2/NDF : 39.9/24

-82.796 $\pm$ 213.831 χ^2/NDF : 69.9/51

211.126 $\pm$ 301.164 χ^2/NDF : 28.1/26

asym_usl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1432.606+/-0.400 χ^2/NDF : 472648.1/8

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

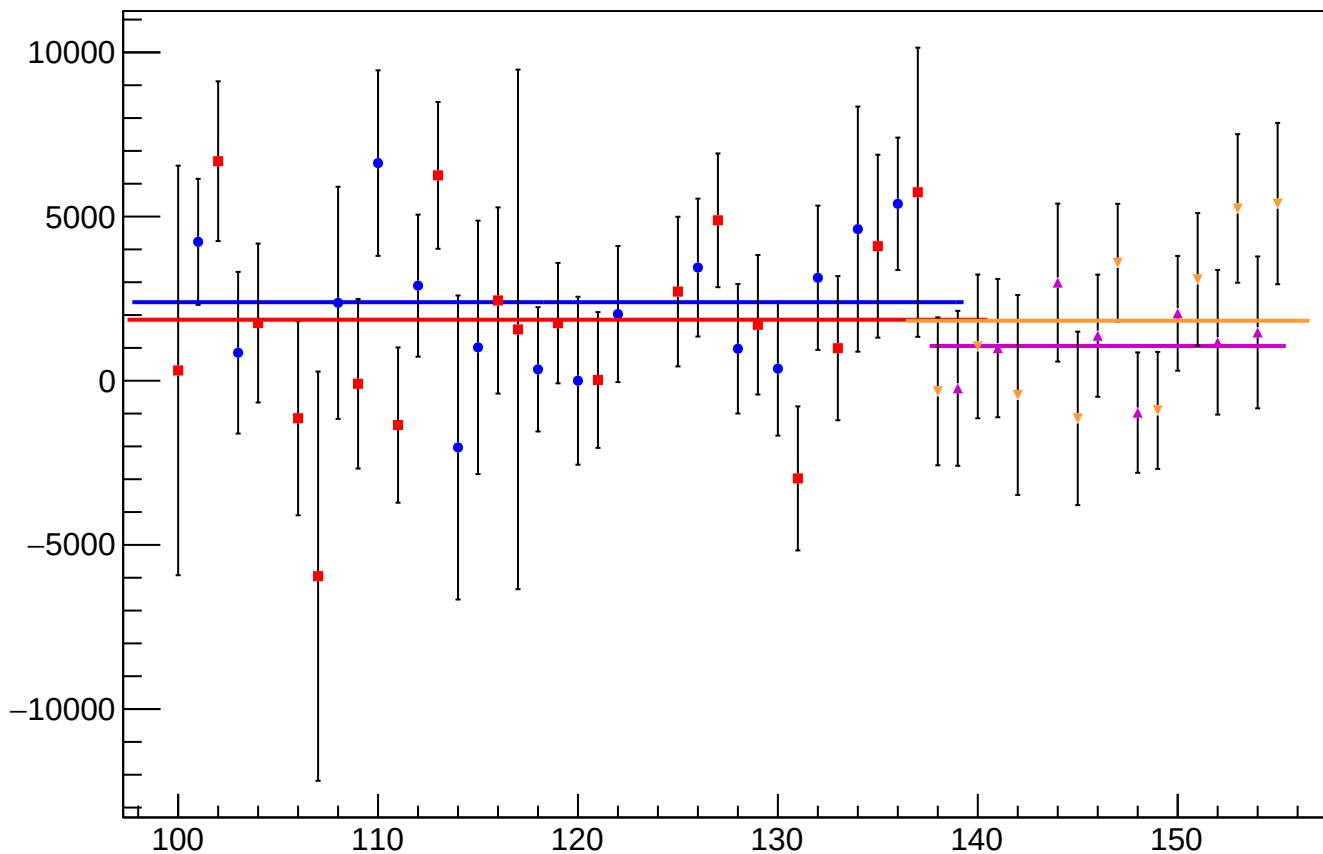
Left In: 1429.740+/-0.401 χ^2/NDF : 384574.3/7

1044.345+/-0.215 χ^2/NDF : 2861183.6/24

1044.140+/-0.151 χ^2/NDF : 5954517.0/51

1043.939+/-0.213 χ^2/NDF : 3093331.6/26

asym_usl_mean vs Slug, Sign Corrected



Right In: 2392.385 ± 588.991 χ^2/NDF : 11.2/15

Left Out: 1826.786 ± 727.753 χ^2/NDF : 11.0/8

Right Out: 1858.263 ± 581.542 χ^2/NDF : 22.5/18

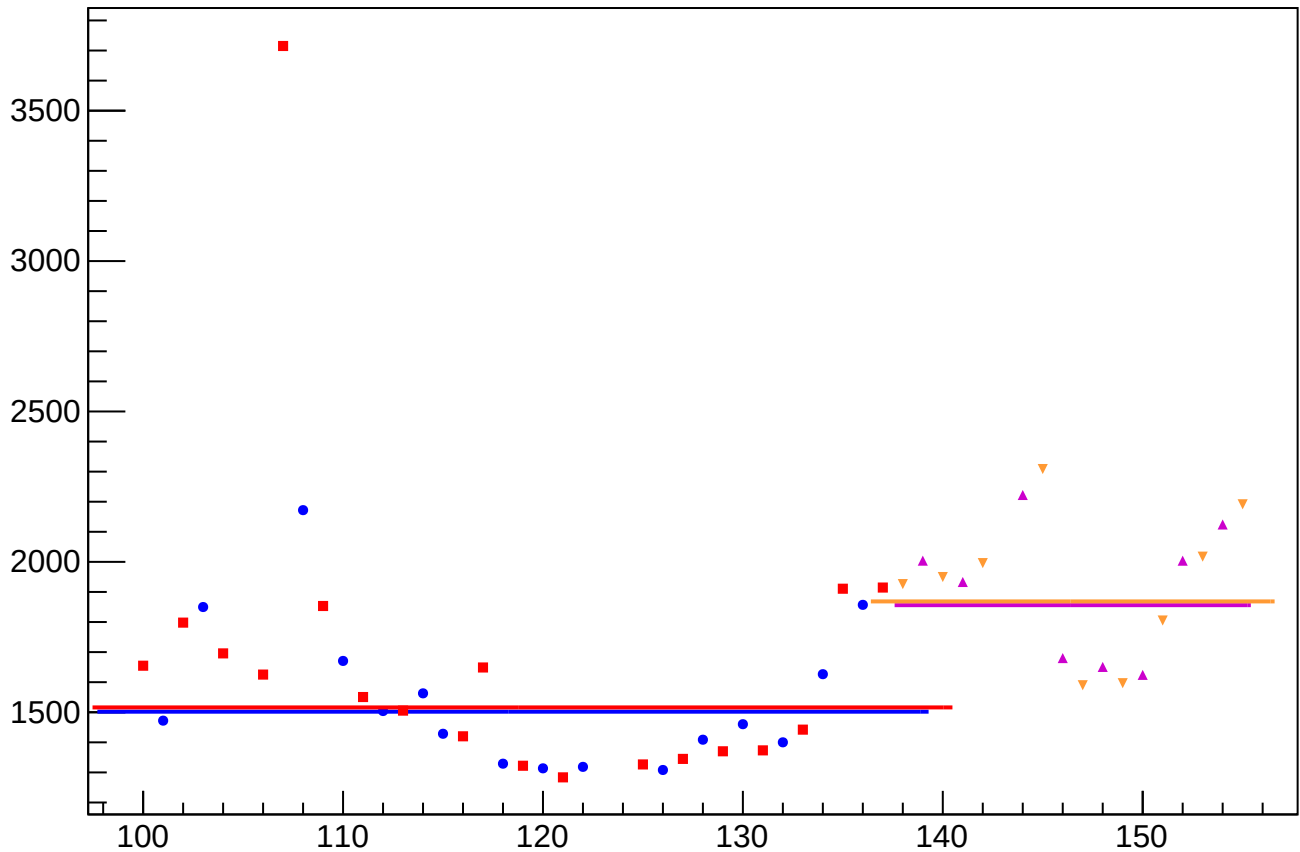
Left In: 1058.507 ± 728.499 χ^2/NDF : 2.6/7

2168.535 ± 457.834 χ^2/NDF : 22.5/24

1855.482 ± 322.549 χ^2/NDF : 49.2/51

1546.985 ± 454.490 χ^2/NDF : 25.8/26

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1868.533 $\pm$ 0.515 χ^2/NDF : 202911.4/8

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

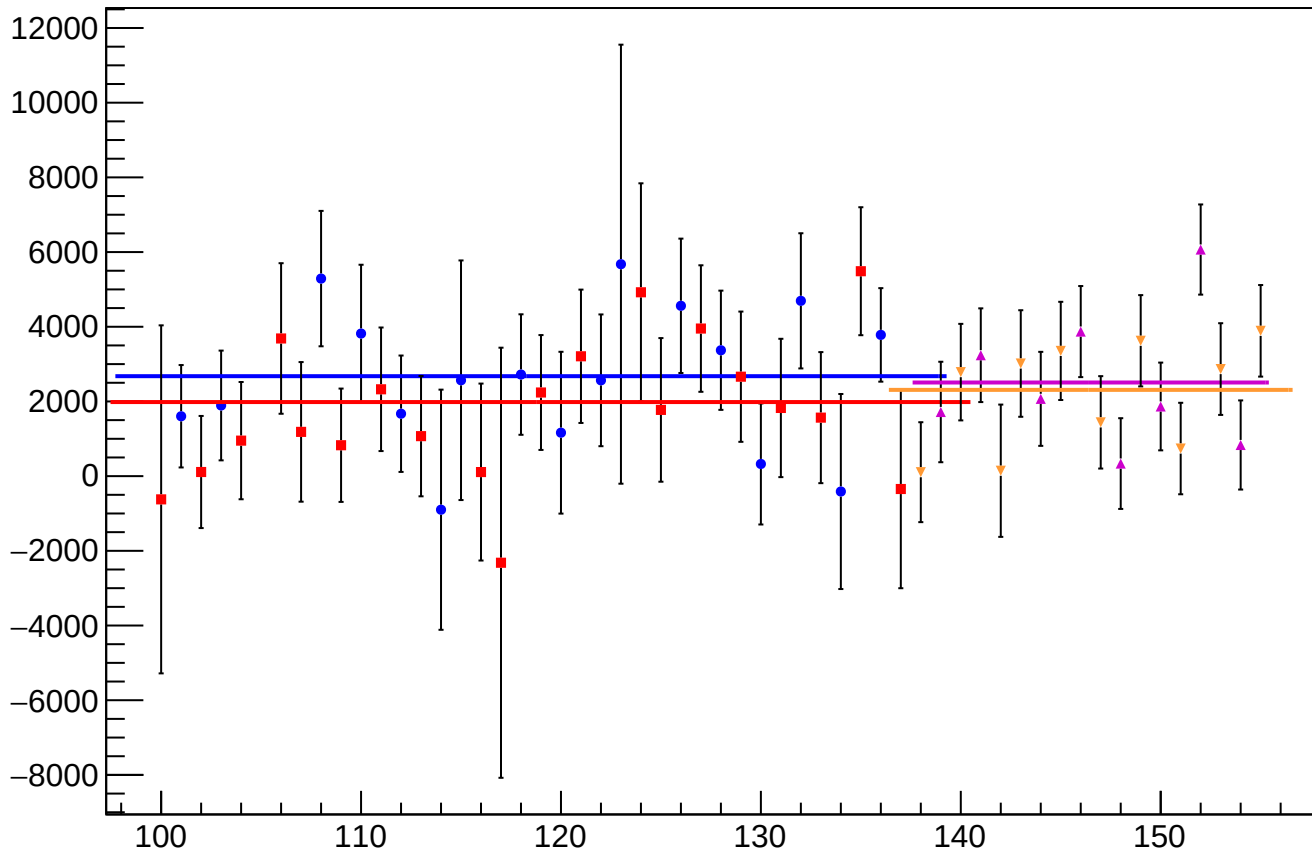
Left In: 1856.072 $\pm$ 0.515 χ^2/NDF : 170919.4/7

1647.026 $\pm$ 0.324 χ^2/NDF : 764107.4/24

1647.738 $\pm$ 0.228 χ^2/NDF : 1681359.3/51

1648.439 $\pm$ 0.321 χ^2/NDF : 917242.3/26

reg_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2309.866 $\pm$ 412.953 χ^2 /NDF: 10.4/9

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

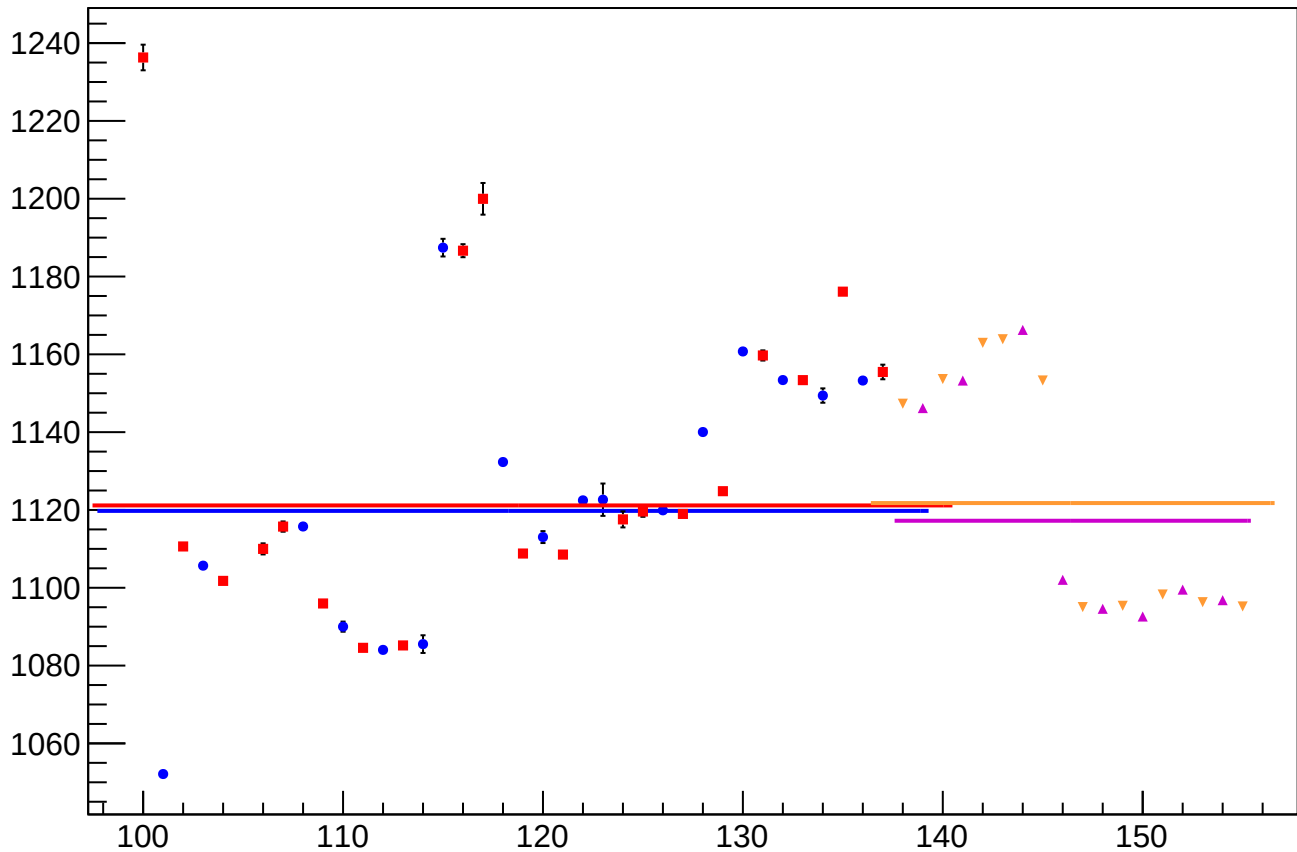
Left In: 2507.356 $\pm$ 435.122 χ^2 /NDF: 16.2/7

2484.341 $\pm$ 299.029 χ^2 /NDF: 23.3/26

2360.731 $\pm$ 212.301 χ^2 /NDF: 54.0/54

2235.100 $\pm$ 301.464 χ^2 /NDF: 30.3/27

reg_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1121.774 $\pm$ 0.292 χ^2 /NDF: 10322.5/9

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

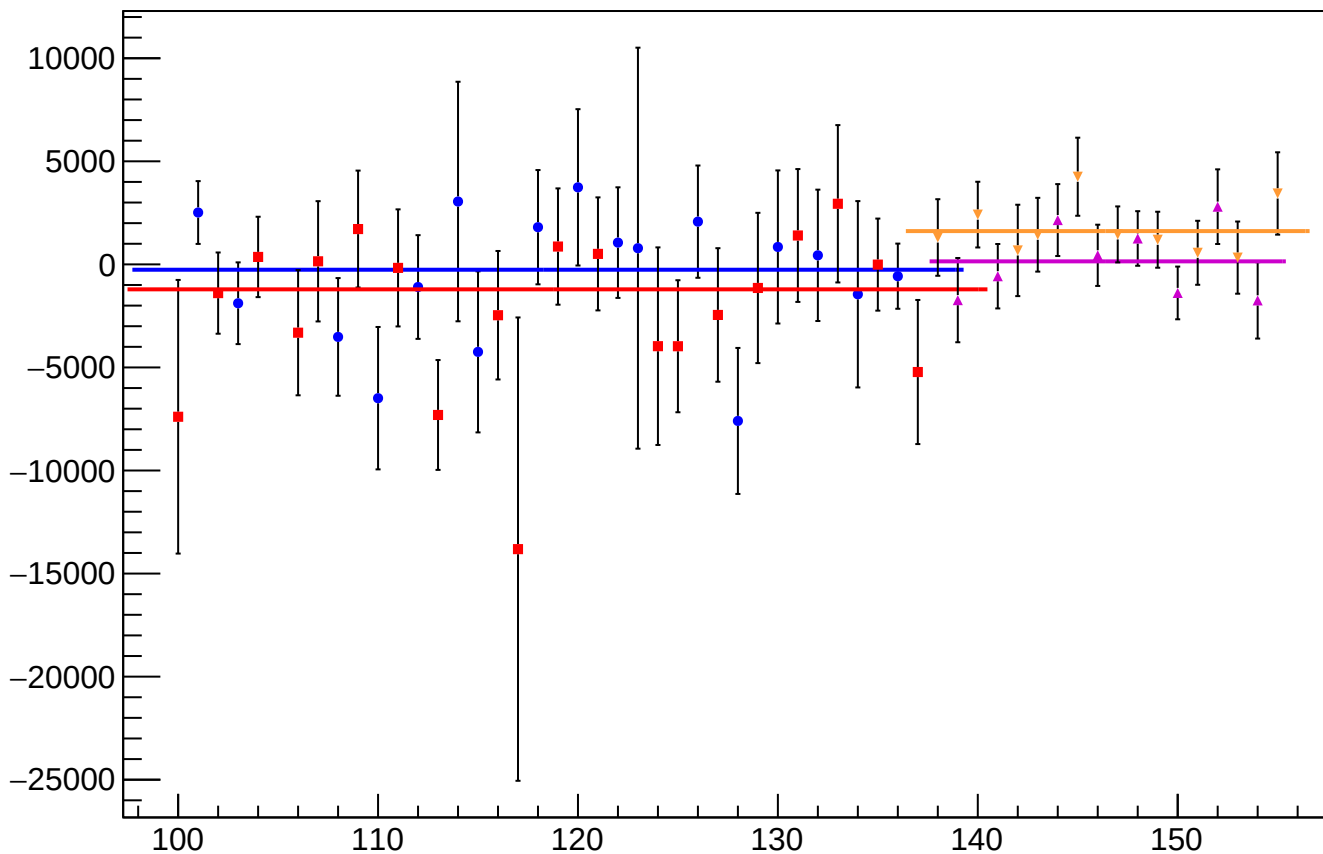
Left In: 1117.229 $\pm$ 0.308 χ^2 /NDF: 8511.2/7

1120.817 $\pm$ 0.211 χ^2 /NDF: 22222.0/26

1120.052 $\pm$ 0.150 χ^2 /NDF: 41155.4/54

1119.275 $\pm$ 0.213 χ^2 /NDF: 18907.0/27

asym_usr_correction_mean vs Slug, Sign Corrected



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

Left Out: 1614.741 $\pm$ 530.418 χ^2/NDF : 4.4/9

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

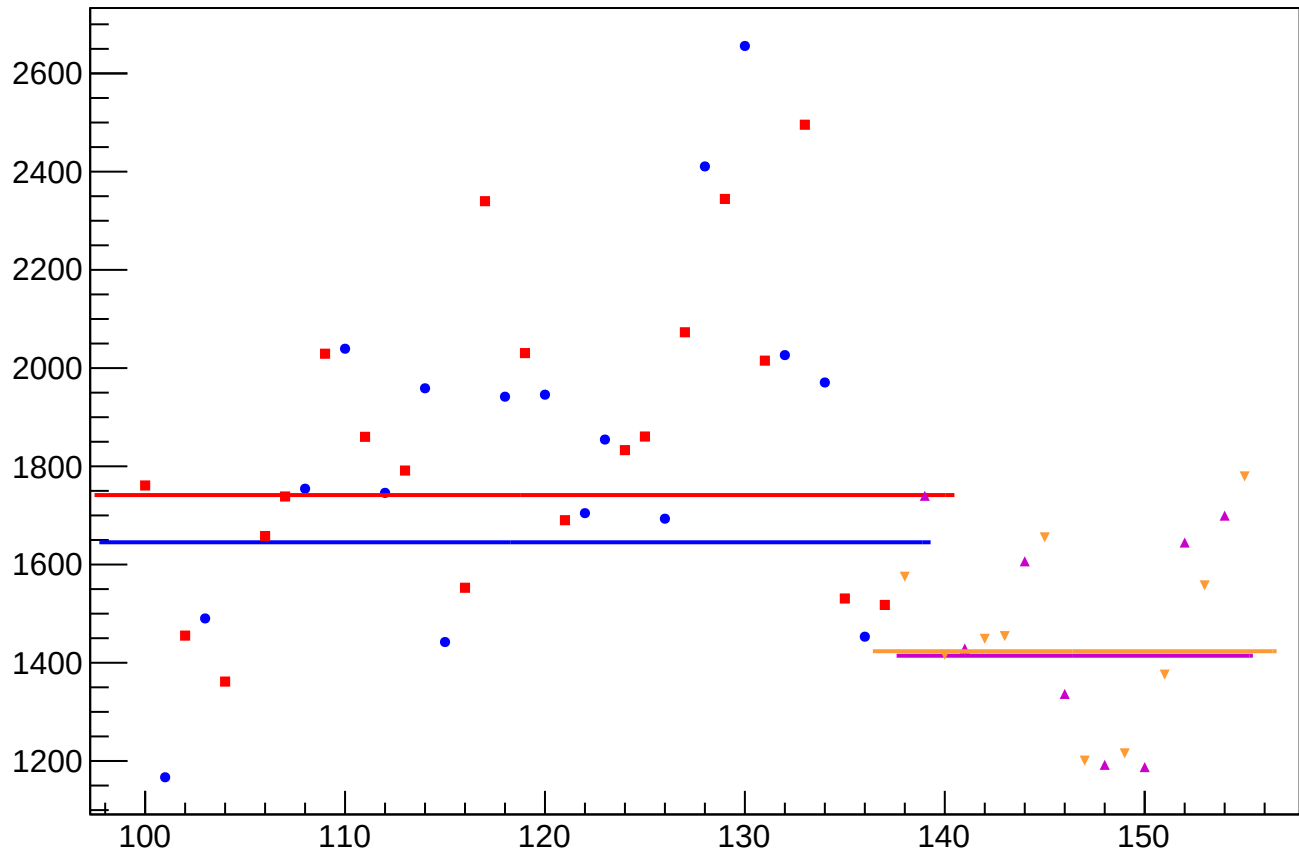
Left In: 146.170 $\pm$ 558.273 χ^2/NDF : 7.7/7

872.692 $\pm$ 412.278 χ^2/NDF : 26.5/26

248.985 $\pm$ 296.453 χ^2/NDF : 57.1/54

-418.753 $\pm$ 426.582 χ^2/NDF : 25.9/27

asym_usr_correction_rms vs Slug, Sign Corrected



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

Left Out: 1423.478 +/- 0.375 χ^2/NDF : 222074.8/9

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

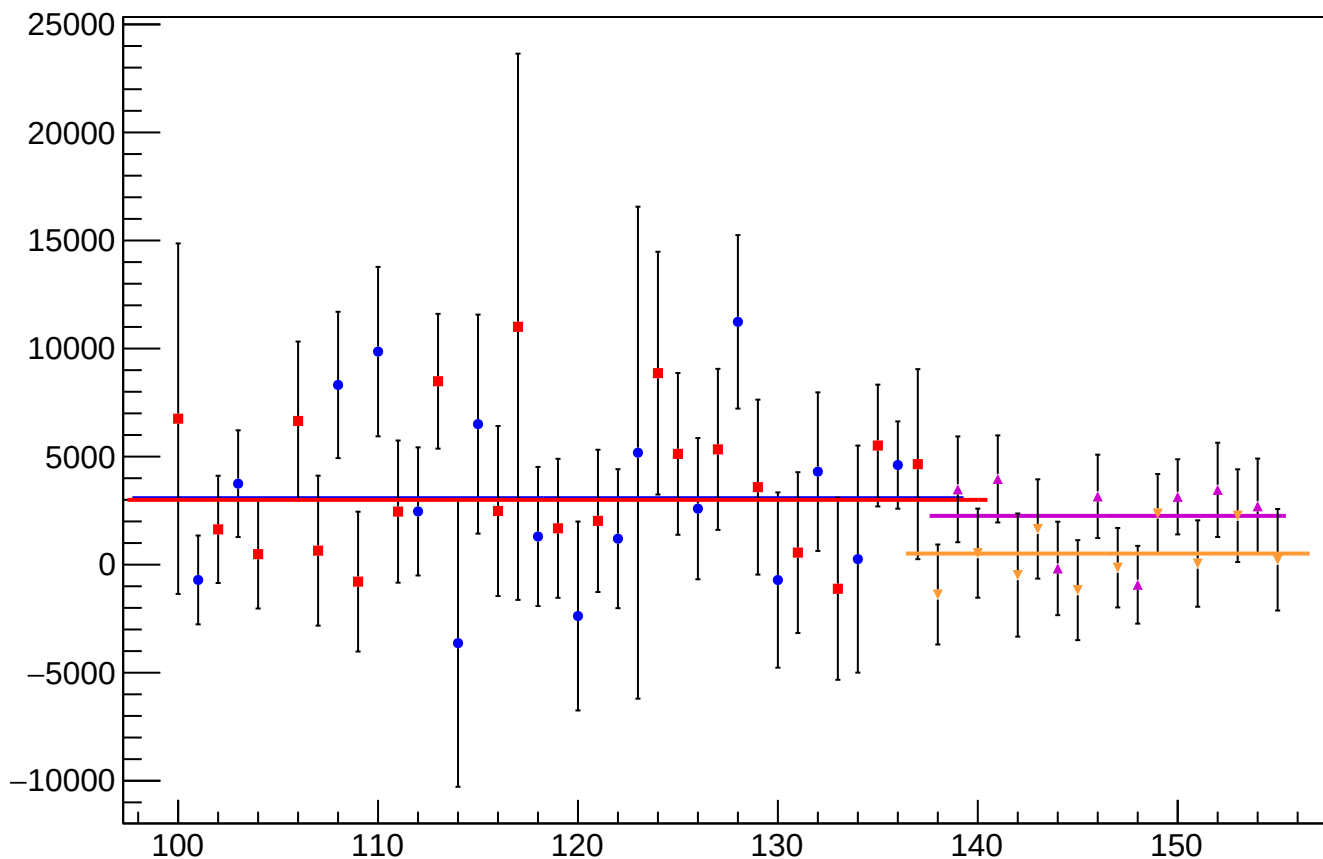
Left In: 1414.333 +/- 0.395 χ^2/NDF : 279687.9/7

1511.289 +/- 0.292 χ^2/NDF : 961461.8/26

1530.208 +/- 0.210 χ^2/NDF : 1912333.8/54

1550.462 +/- 0.302 χ^2/NDF : 942151.6/27

asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 513.286 $\pm$ 679.618 χ^2 /NDF: 3.5/9

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

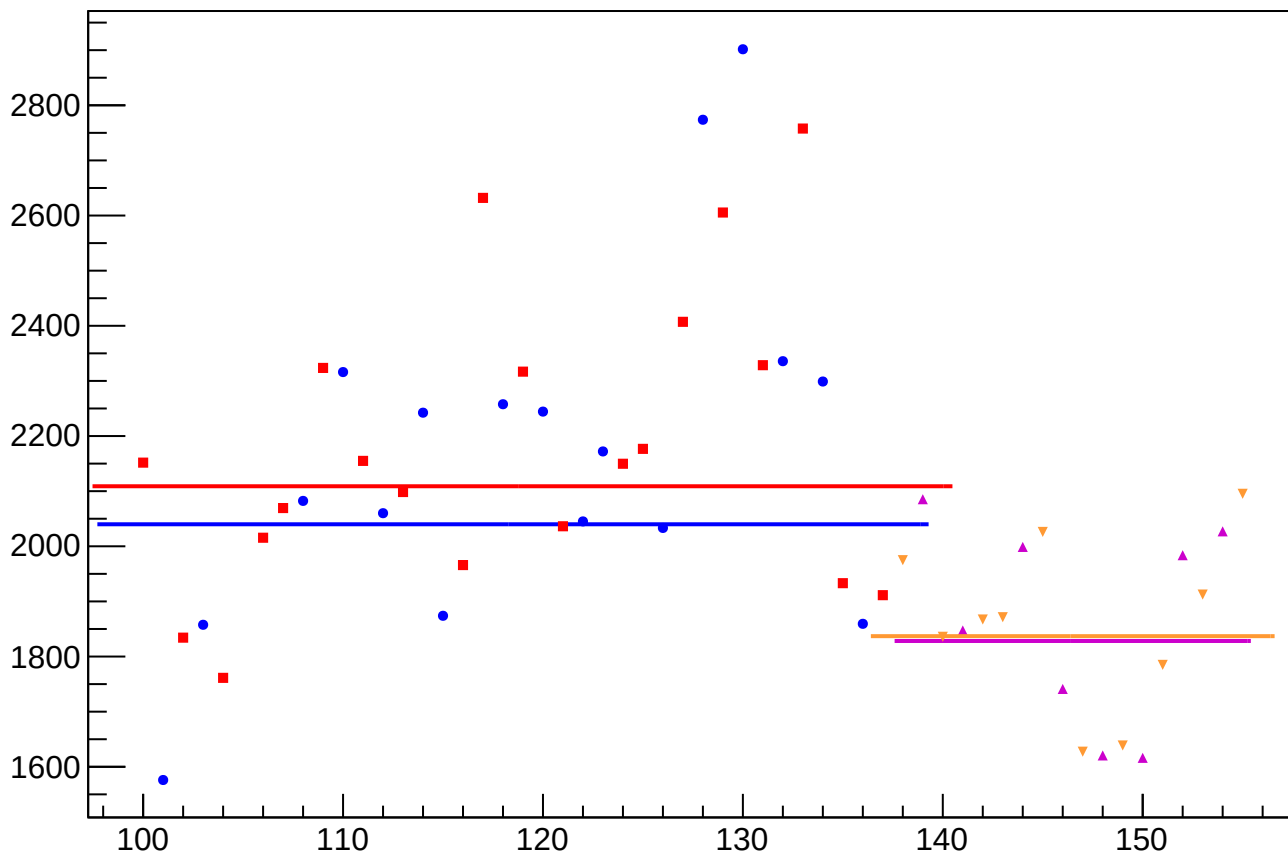
Left In: 2257.263 $\pm$ 715.976 χ^2 /NDF: 6.2/7

1583.760 $\pm$ 518.559 χ^2 /NDF: 28.0/26

2074.251 $\pm$ 371.250 χ^2 /NDF: 48.8/54

2590.000 $\pm$ 531.742 χ^2 /NDF: 19.0/27

asym_usr_rms vs Slug, Sign Corrected



Right In: 2039.942 ± 0.567 $\chi^2/\text{NDF}: 331984.0/16$

Left Out: 1836.973 ± 0.481 $\chi^2/\text{NDF}: 98620.5/9$

Right Out: 2108.906 ± 0.561 $\chi^2/\text{NDF}: 198889.3/19$

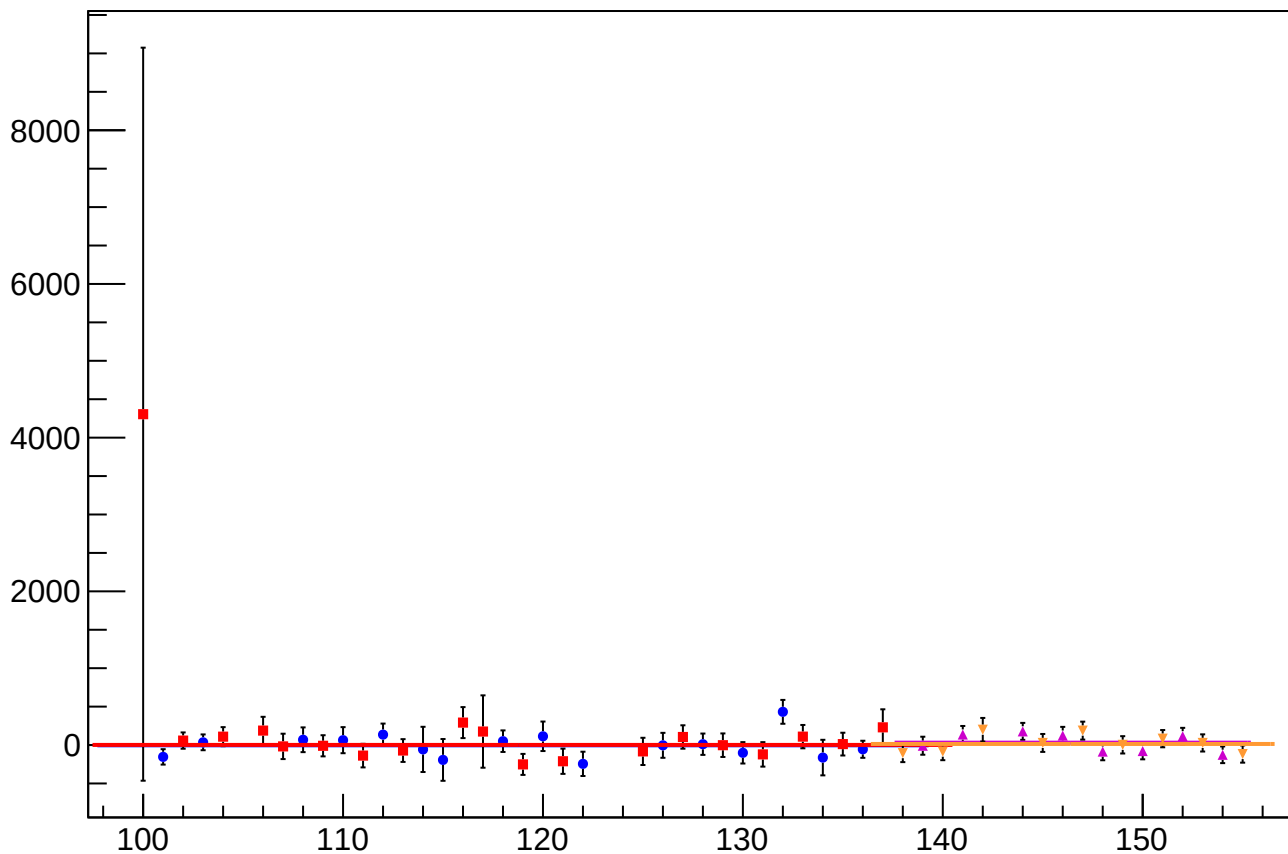
Left In: 1828.224 ± 0.506 $\chi^2/\text{NDF}: 121531.4/7$

1921.775 ± 0.367 $\chi^2/\text{NDF}: 505135.2/26$

1937.526 ± 0.263 $\chi^2/\text{NDF}: 967173.3/54$

1954.088 ± 0.376 $\chi^2/\text{NDF}: 458252.6/27$

reg_asym_dsl_mean vs Slug, Sign Corrected



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

Left Out: 13.994 ± 38.891 $\chi^2/\text{NDF}: 7.3/8$

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

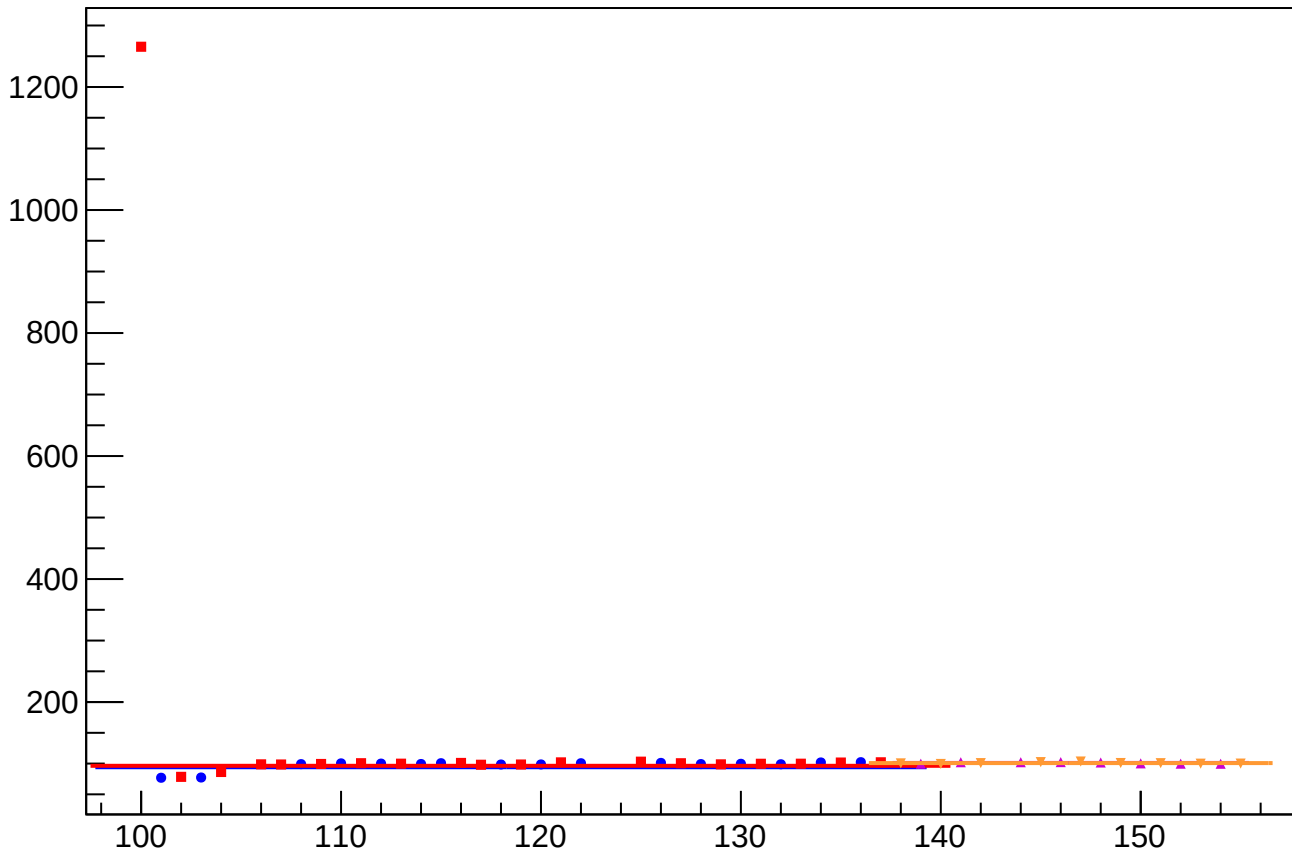
Left In: 30.928 ± 39.342 $\chi^2/\text{NDF}: 8.2/7$

4.859 ± 26.697 $\chi^2/\text{NDF}: 23.6/24$

9.997 ± 18.911 $\chi^2/\text{NDF}: 46.2/51$

15.173 ± 26.792 $\chi^2/\text{NDF}: 22.6/26$

reg_asym_dsl_rms vs Slug, Sign Corrected



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

Left Out: 100.800+/-0.027 χ^2/NDF : 1920.2/8

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

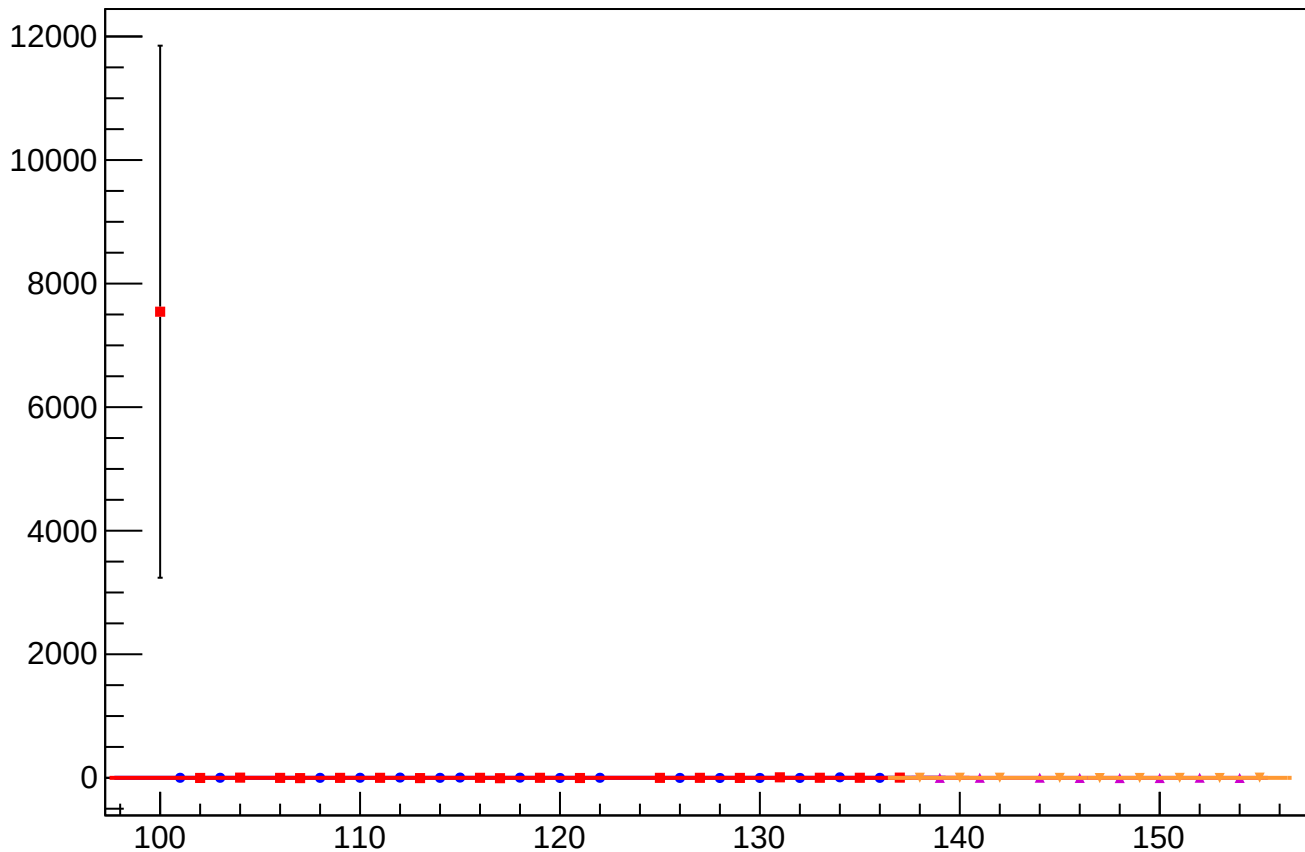
Left In: 101.039+/-0.028 χ^2/NDF : 1643.2/7

97.240+/-0.019 χ^2/NDF : 185889.4/24

97.889+/-0.013 χ^2/NDF : 414176.9/51

98.542+/-0.019 χ^2/NDF : 225919.2/26

asym_dsl_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.440 ± 0.664 χ^2/NDF : 10.8/8

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

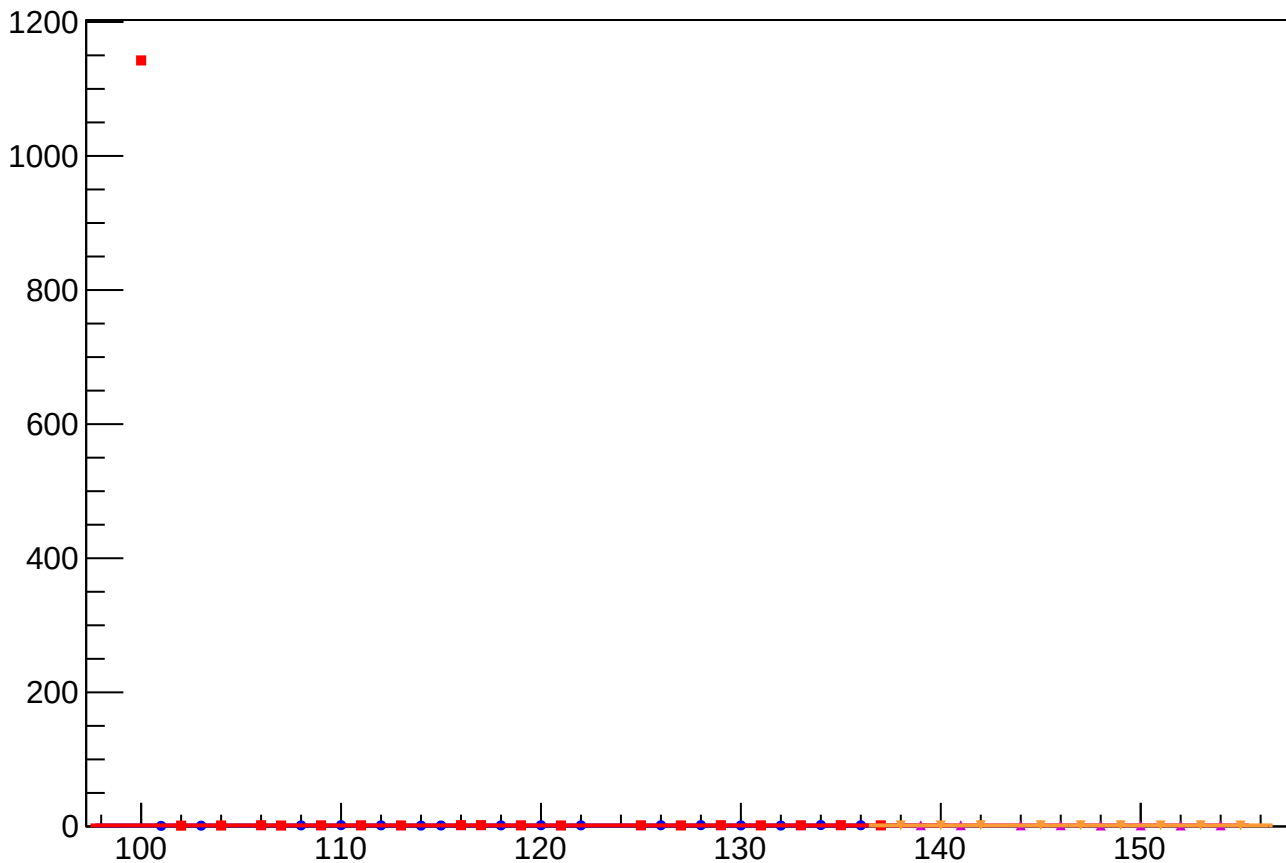
Left In: -0.849 ± 0.709 χ^2/NDF : 9.5/7

0.026 ± 0.452 χ^2/NDF : 21.4/24

-0.255 ± 0.328 χ^2/NDF : 55.1/51

-0.567 ± 0.476 χ^2/NDF : 32.8/26

asym_dsl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.582+/-0.000 χ^2/NDF : 42387.9/8

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

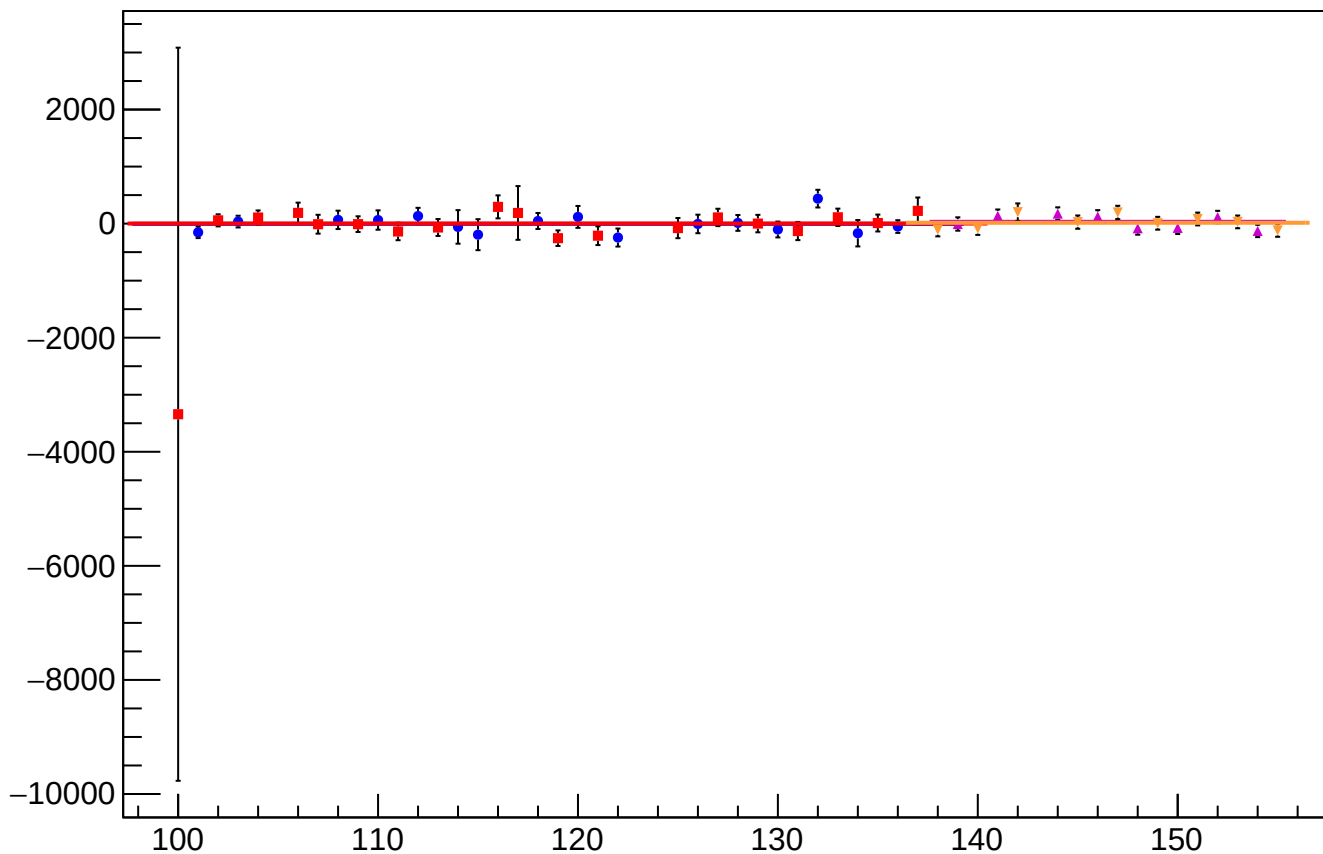
Left In: 1.691+/-0.001 χ^2/NDF : 72204.1/7

1.495+/-0.000 χ^2/NDF : 837812.1/24

1.553+/-0.000 χ^2/NDF : 1337646.1/51

1.617+/-0.000 χ^2/NDF : 429982.7/26

asym_dsl_mean vs Slug, Sign Corrected



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

Left Out: 14.939 ± 38.901 $\chi^2/\text{NDF}: 7.6/8$

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

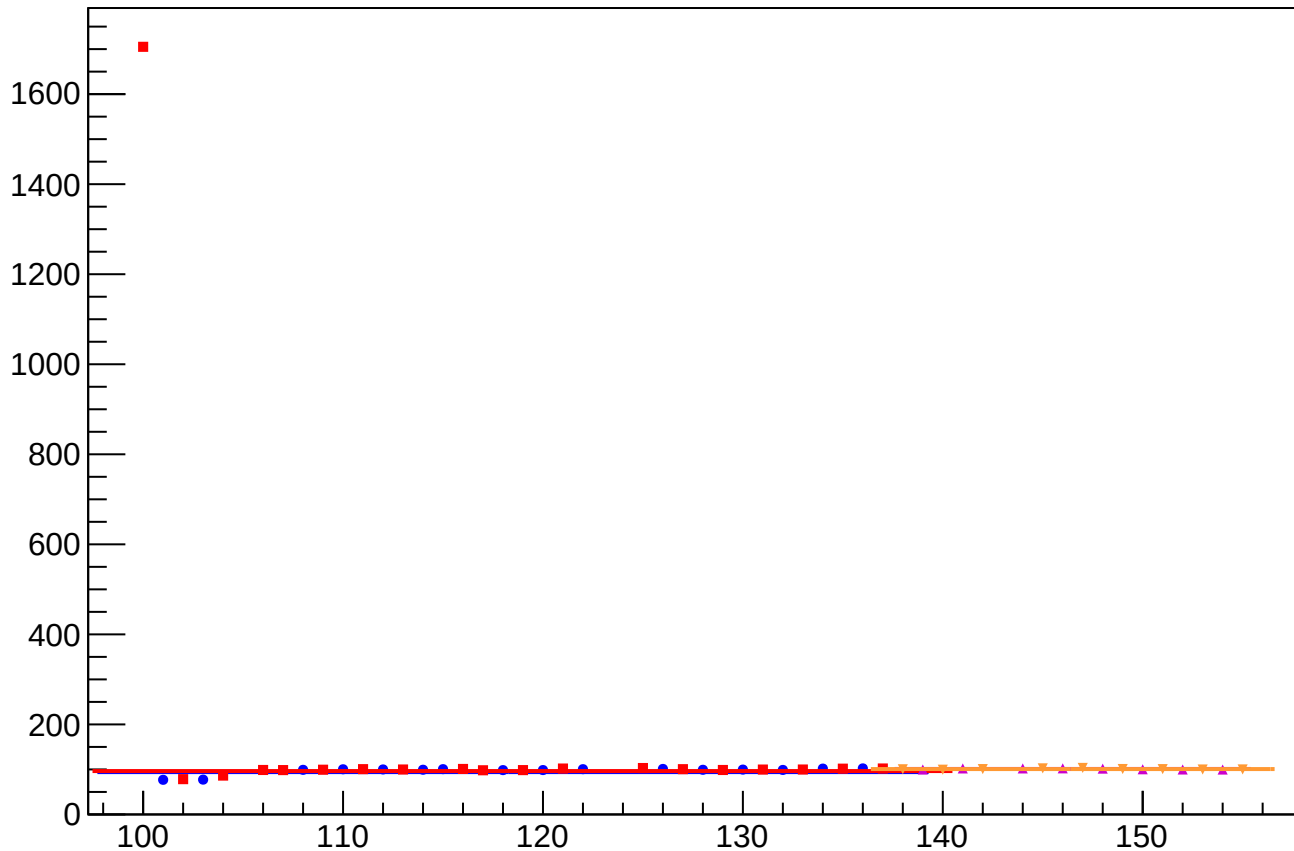
Left In: 31.671 ± 39.352 $\chi^2/\text{NDF}: 8.1/7$

5.401 ± 26.704 $\chi^2/\text{NDF}: 24.0/24$

10.376 ± 18.916 $\chi^2/\text{NDF}: 46.1/51$

15.386 ± 26.799 $\chi^2/\text{NDF}: 22.1/26$

asym_dsl_rms vs Slug, Sign Corrected



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

Left Out: 100.826+/-0.028 χ^2/NDF : 1919.5/8

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

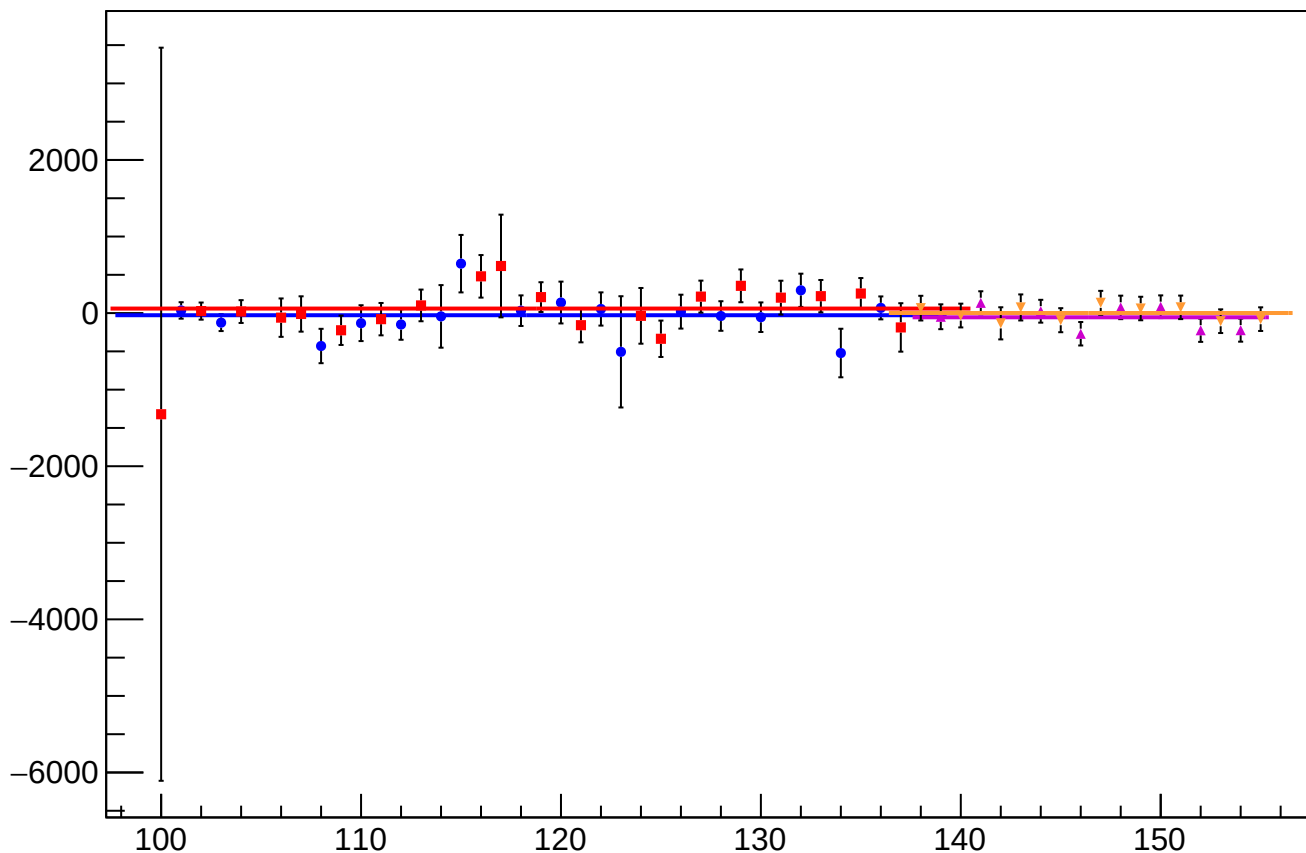
Left In: 101.066+/-0.028 χ^2/NDF : 1643.2/7

97.265+/-0.019 χ^2/NDF : 185907.4/24

97.910+/-0.013 χ^2/NDF : 419409.4/51

98.559+/-0.019 χ^2/NDF : 231163.2/26

reg_asym_dsr_mean vs Slug, Sign Corrected



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

Left Out: 1.155 ± 50.796 χ^2/NDF : 3.0/9

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

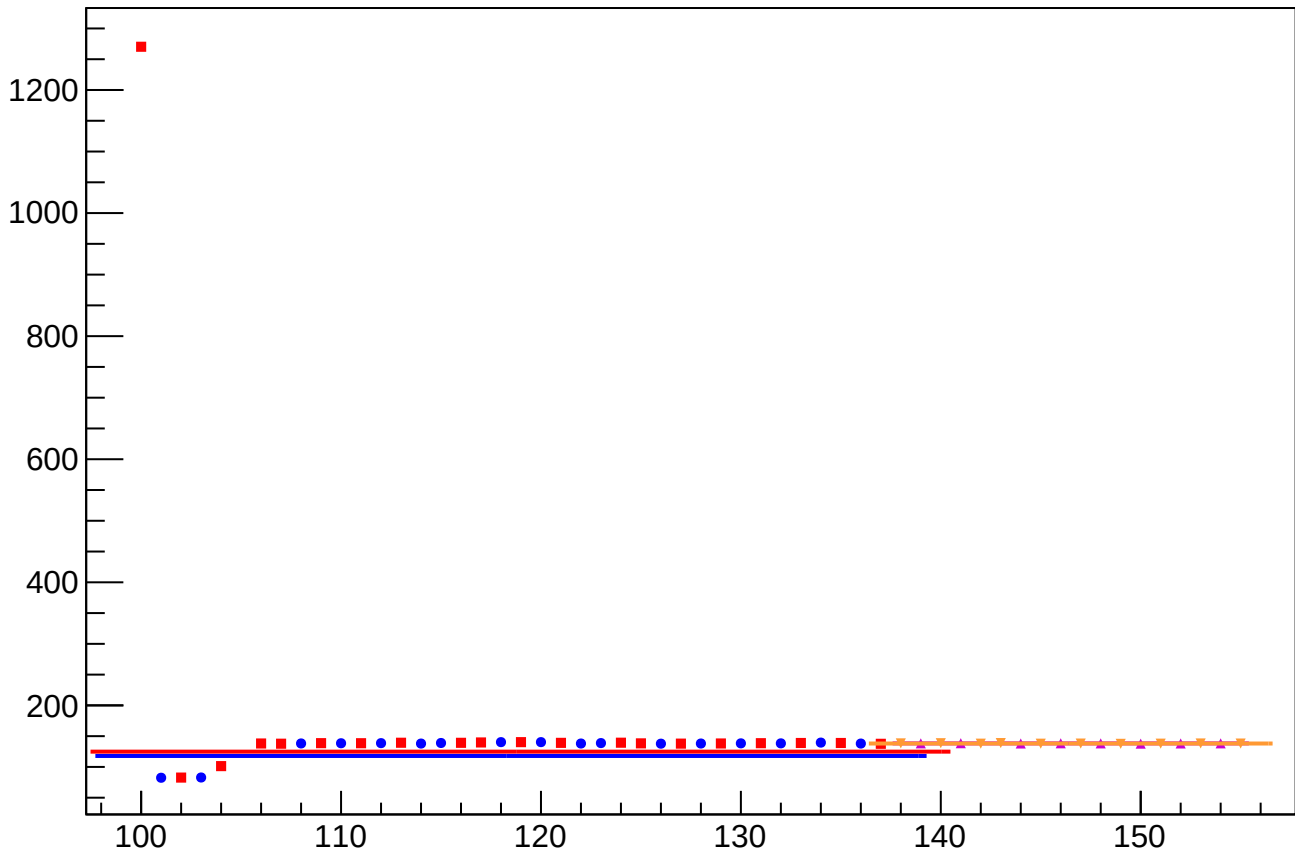
Left In: -54.857 ± 53.827 χ^2/NDF : 7.9/7

-14.535 ± 34.409 χ^2/NDF : 17.5/26

-3.104 ± 24.759 χ^2/NDF : 43.7/54

9.168 ± 35.653 χ^2/NDF : 26.0/27

reg_asym_dsr_rms vs Slug, Sign Corrected



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

Left Out: 138.032+/-0.036 χ^2/NDF : 98.5/9

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

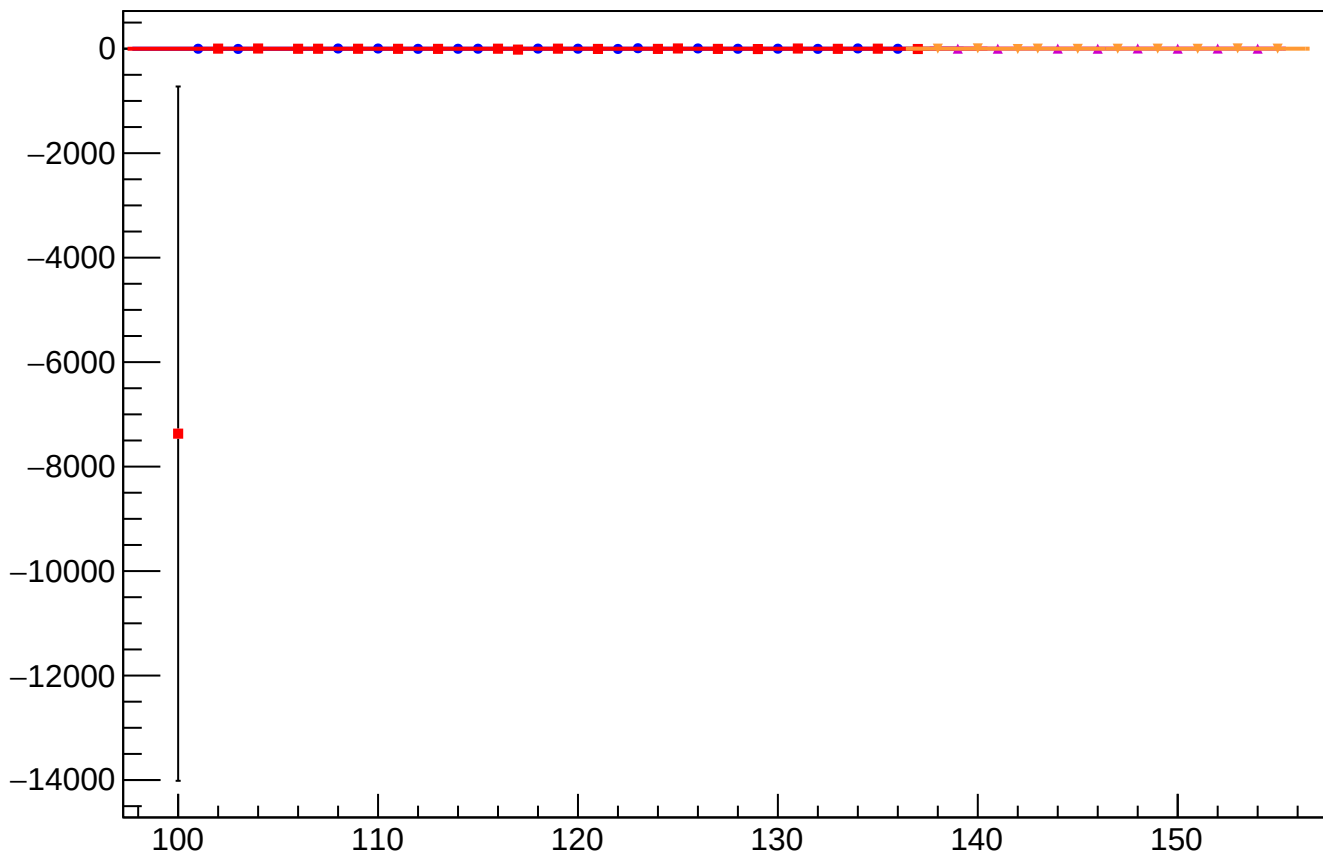
Left In: 138.245+/-0.038 χ^2/NDF : 28.3/7

127.092+/-0.024 χ^2/NDF : 838117.9/26

128.842+/-0.018 χ^2/NDF : 1489269.2/54

130.720+/-0.025 χ^2/NDF : 640427.6/27

asym_dsr_correction_mean vs Slug, Sign Corrected



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

Left Out: 0.513 ± 0.856 χ^2/NDF : 11.8/9

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

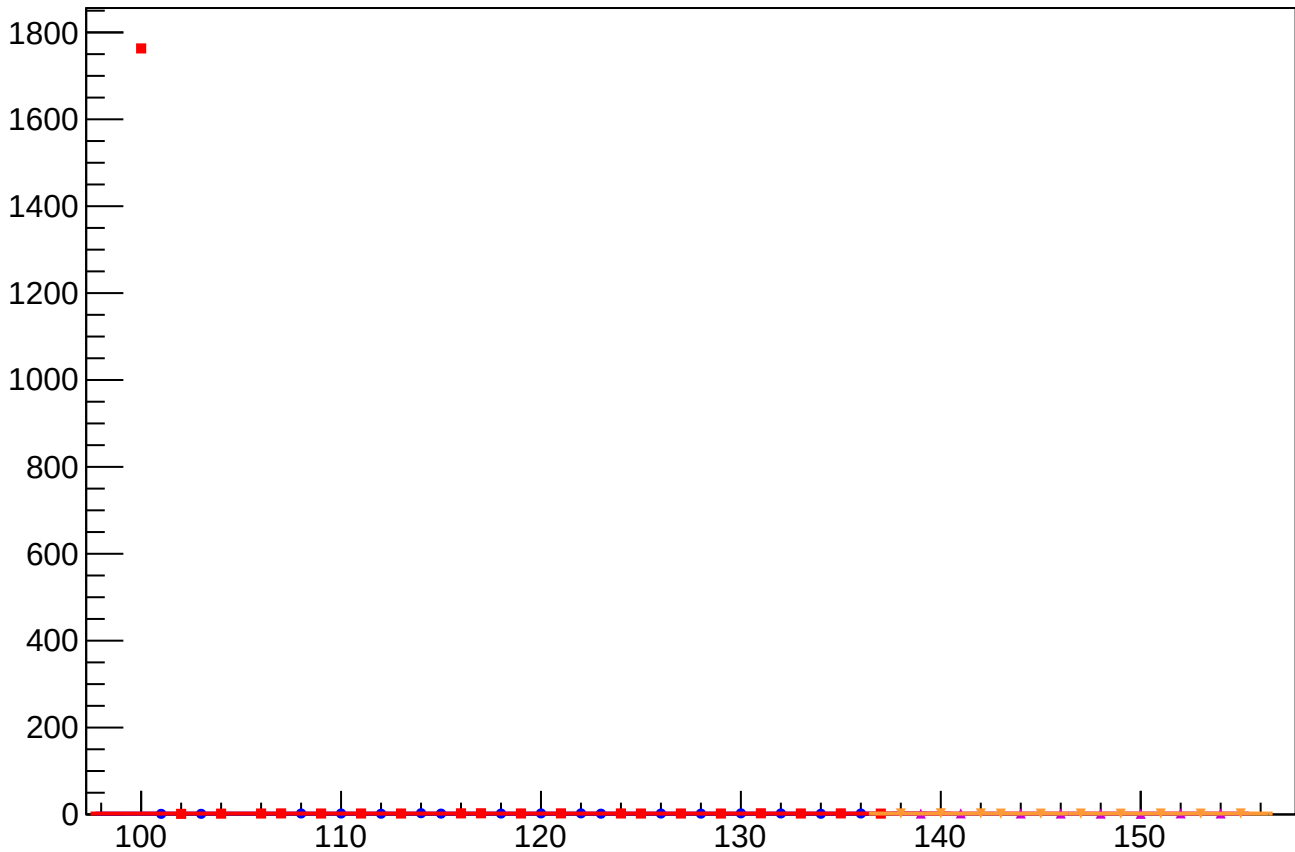
Left In: 1.481 ± 0.908 χ^2/NDF : 2.5/7

-0.125 ± 0.588 χ^2/NDF : 25.5/26

0.080 ± 0.427 χ^2/NDF : 46.7/54

0.307 ± 0.620 χ^2/NDF : 21.0/27

asym_dsr_correction_rms vs Slug, Sign Corrected



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

Left Out: 2.116 $\pm$ 0.001 χ^2 /NDF: 153218.5/9

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

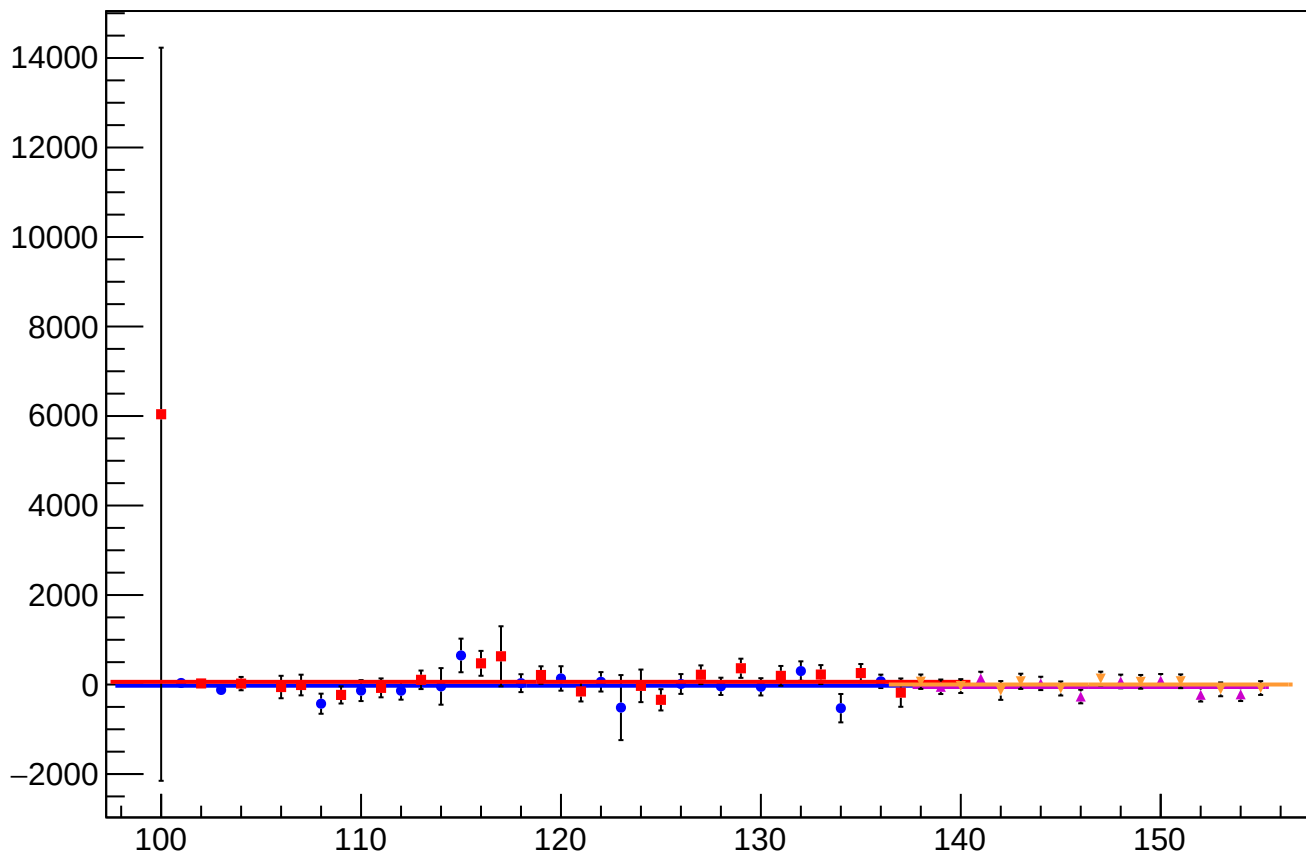
Left In: 2.083 $\pm$ 0.001 χ^2 /NDF: 259055.8/7

1.986 $\pm$ 0.000 χ^2 /NDF: 734116.9/26

2.028 $\pm$ 0.000 χ^2 /NDF: 1545565.1/54

2.075 $\pm$ 0.000 χ^2 /NDF: 789652.4/27

asym_dsr_mean vs Slug, Sign Corrected



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

Left Out: 0.587+/-50.809 χ^2 /NDF: 2.9/9

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

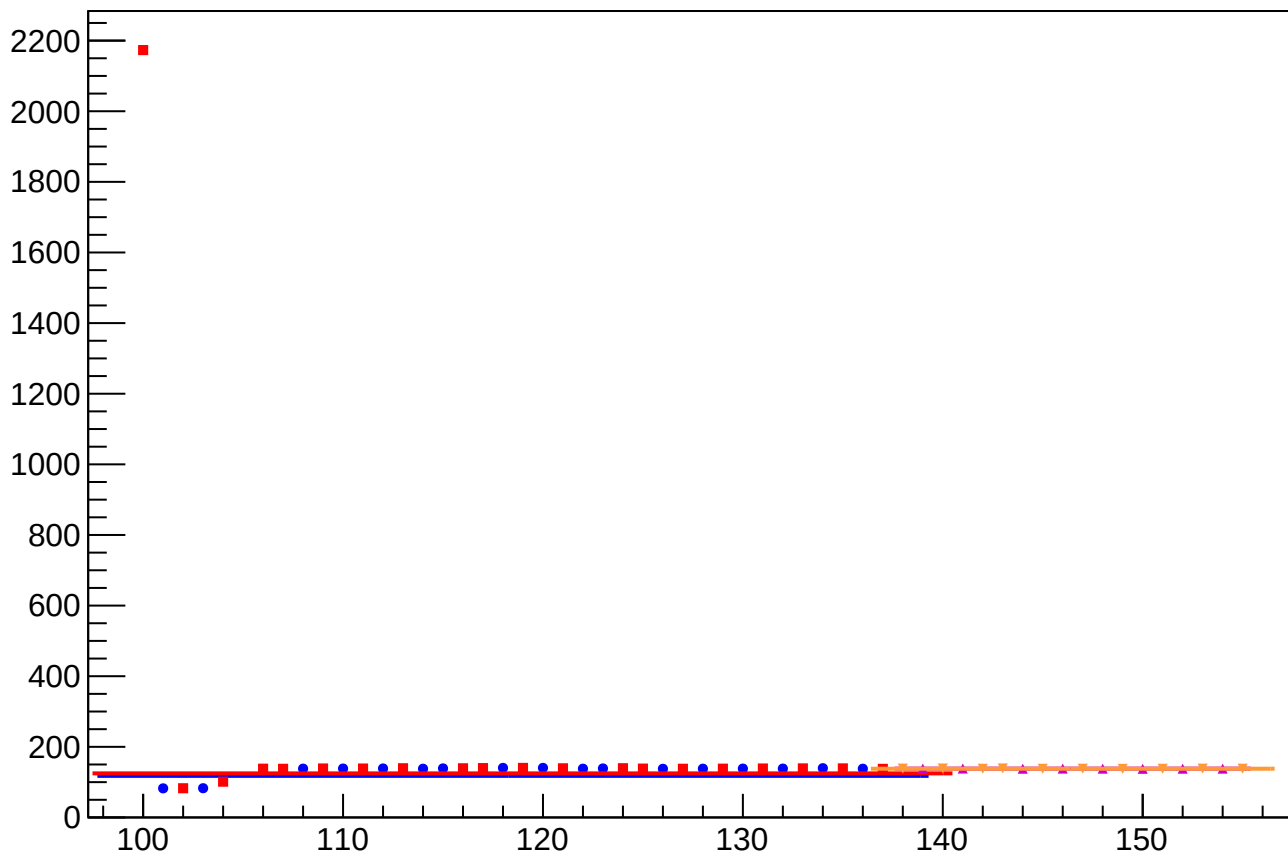
Left In: -54.835+/-53.842 χ^2 /NDF: 7.8/7

-13.939+/-34.419 χ^2 /NDF: 17.4/26

-2.535+/-24.766 χ^2 /NDF: 44.3/54

9.708+/-35.663 χ^2 /NDF: 26.6/27

asym_dsr_rms vs Slug, Sign Corrected



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

Left Out: 138.068 $\pm$ 0.036 χ^2 /NDF: 98.5/9

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

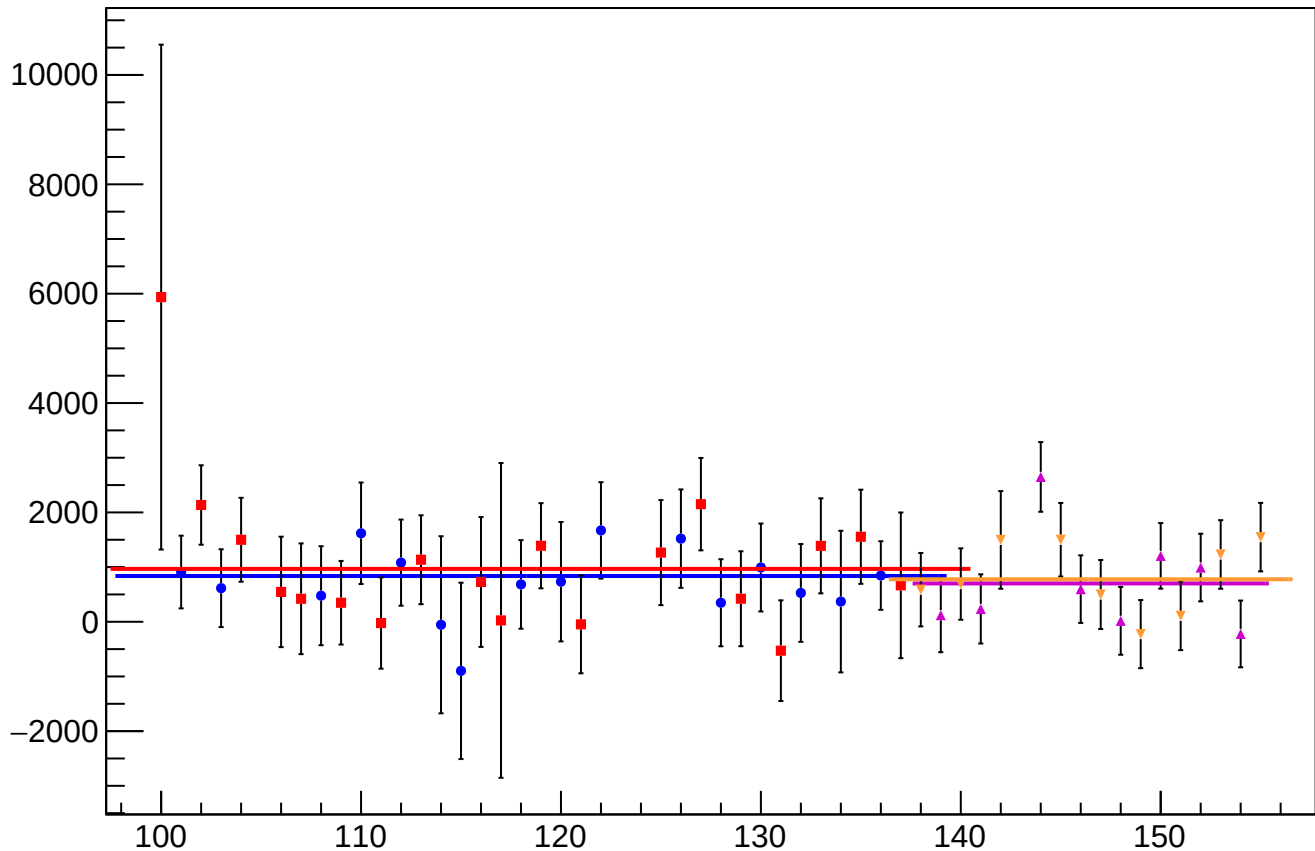
Left In: 138.282 $\pm$ 0.038 χ^2 /NDF: 28.3/7

127.126 $\pm$ 0.024 χ^2 /NDF: 838137.6/26

128.864 $\pm$ 0.018 χ^2 /NDF: 1500183.6/54

130.731 $\pm$ 0.025 χ^2 /NDF: 651466.8/27

reg_asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 777.593 $\pm$ 219.521 χ^2/NDF : 7.9/8

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

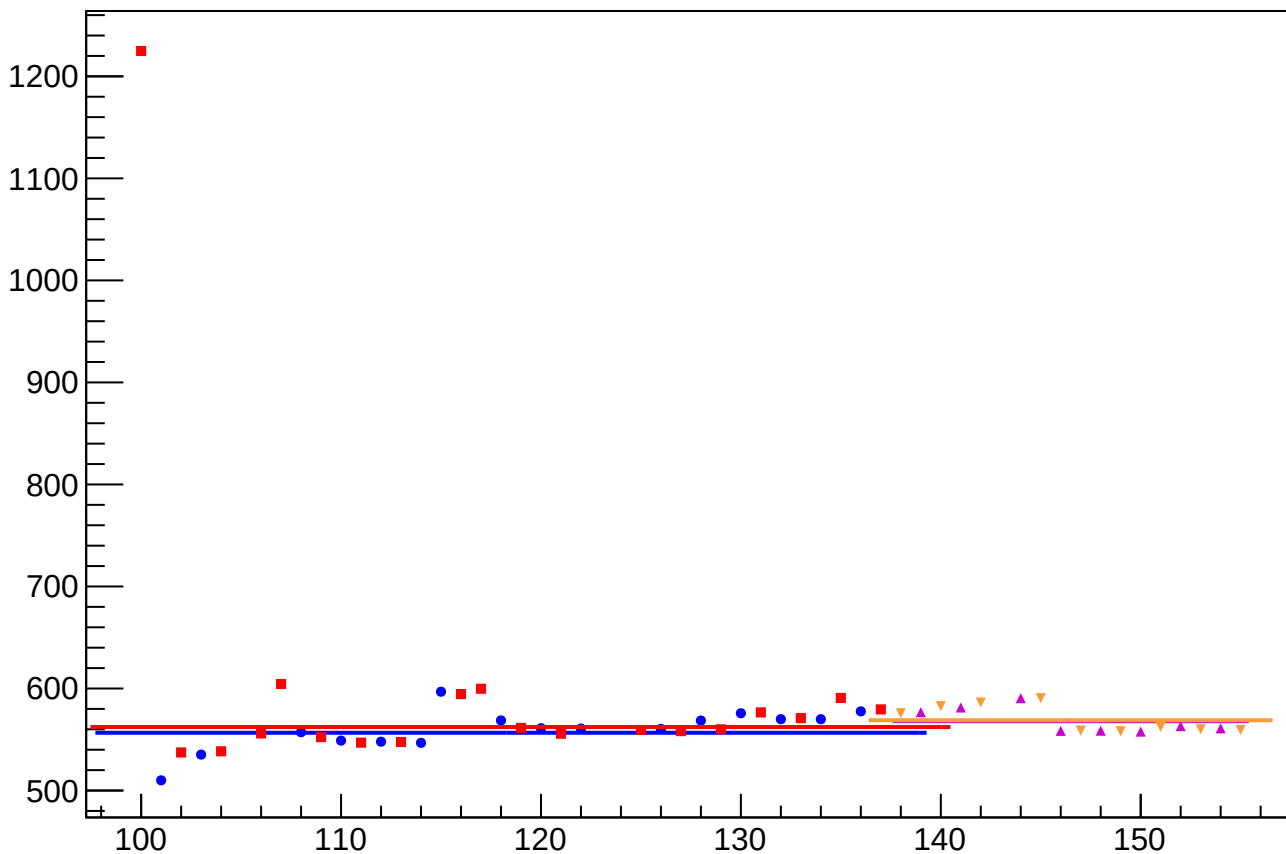
Left In: 700.889 $\pm$ 221.178 χ^2/NDF : 15.1/7

807.776 $\pm$ 154.030 χ^2/NDF : 12.6/24

823.793 $\pm$ 108.590 χ^2/NDF : 42.9/51

839.620 $\pm$ 153.112 χ^2/NDF : 30.2/26

reg_asym_left_avg_rms vs Slug, Sign Corrected



Right In: 556.637 $\pm$ 0.153 χ^2 /NDF: 18391.7/15

Left Out: 568.892 $\pm$ 0.155 χ^2 /NDF: 6140.2/8

Right Out: 562.253 $\pm$ 0.150 χ^2 /NDF: 55916.7/18

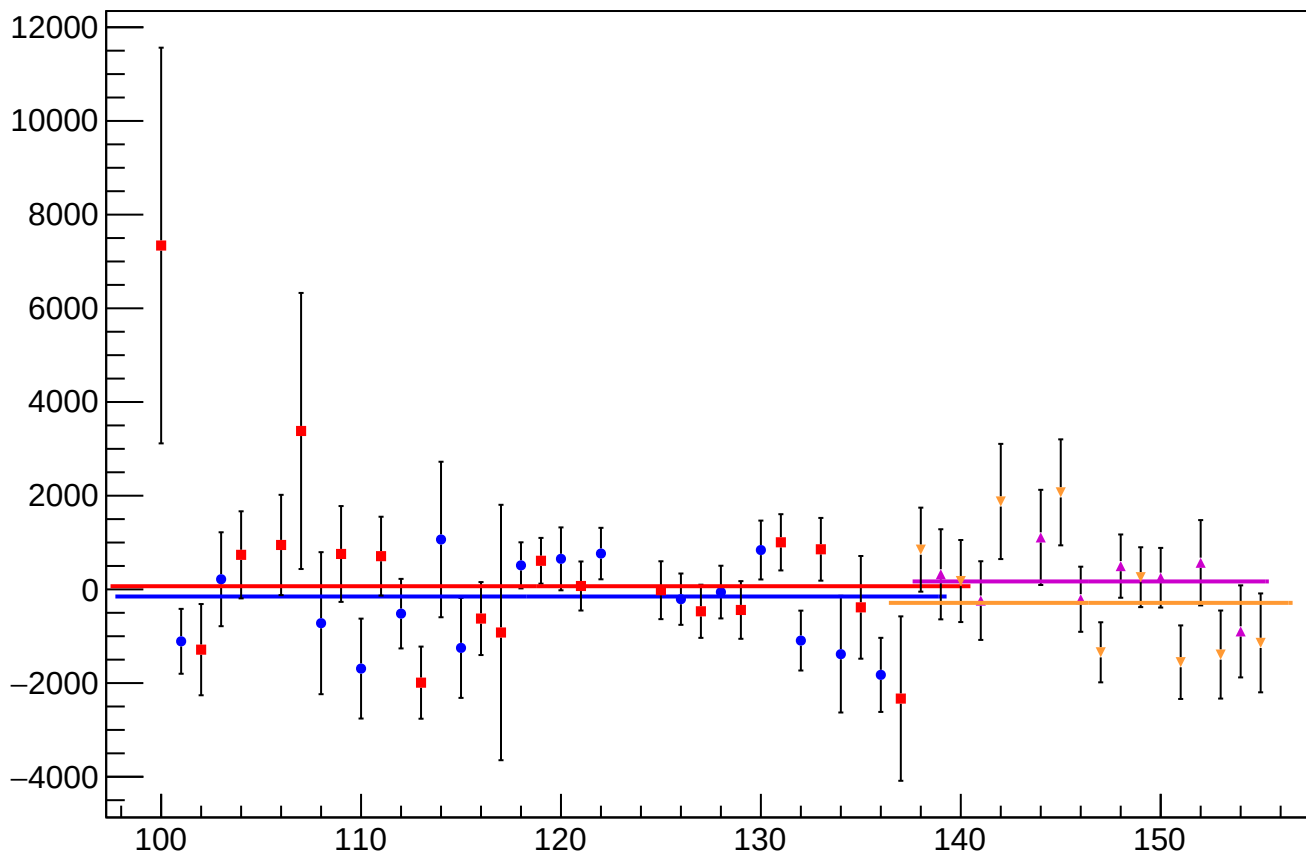
Left In: 567.963 $\pm$ 0.156 χ^2 /NDF: 5632.5/7

562.671 $\pm$ 0.109 χ^2 /NDF: 27696.1/24

563.837 $\pm$ 0.077 χ^2 /NDF: 90167.6/51

564.989 $\pm$ 0.108 χ^2 /NDF: 62243.5/26

asym_left_avg_correction_mean vs Slug, Sign Corrected



Right In: -151.876 ± 180.078 $\chi^2/\text{NDF}: 22.3/15$

Left Out: -287.851 ± 282.596 $\chi^2/\text{NDF}: 17.4/8$

Right Out: 67.516 ± 178.283 $\chi^2/\text{NDF}: 25.1/18$

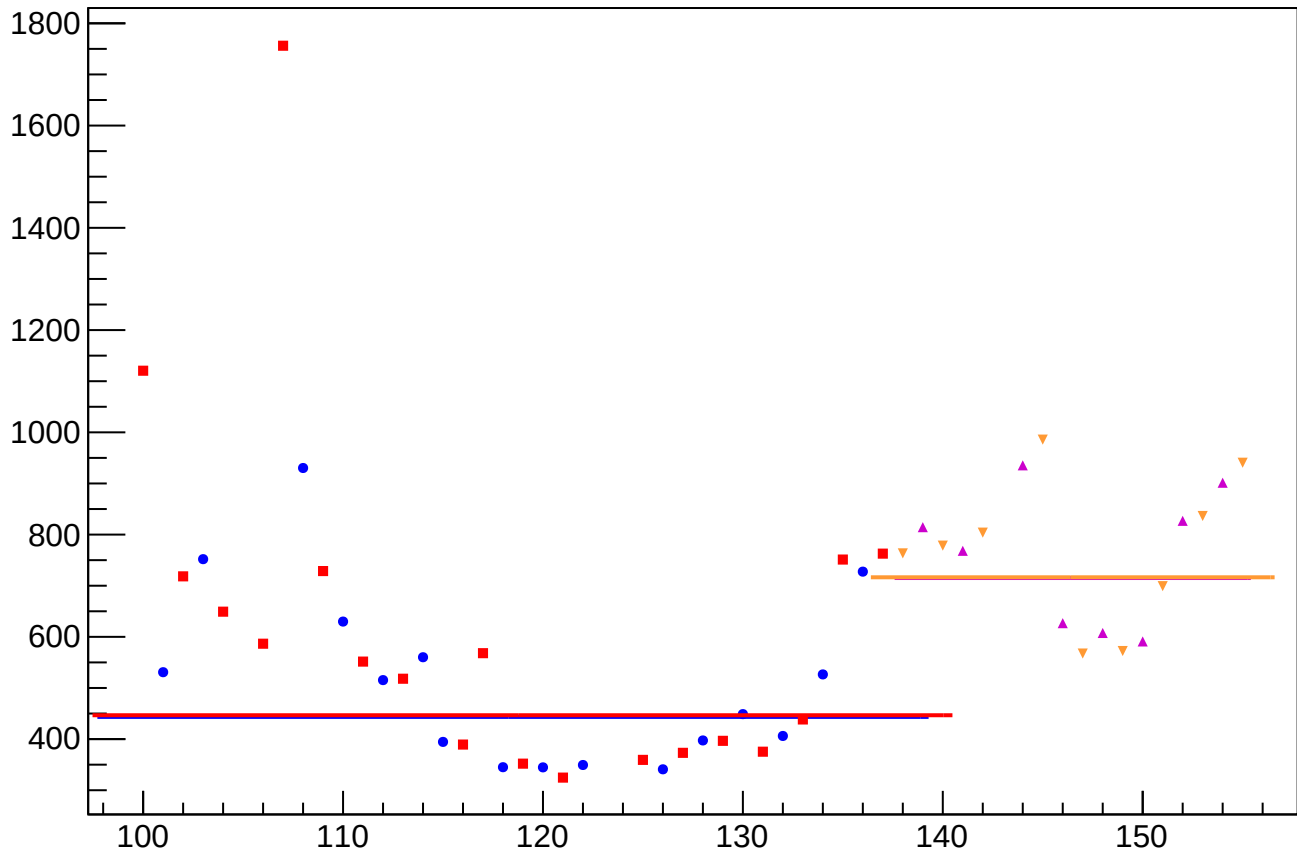
Left In: 169.609 ± 283.522 $\chi^2/\text{NDF}: 3.0/7$

-191.145 ± 151.865 $\chi^2/\text{NDF}: 39.9/24$

-46.456 ± 107.051 $\chi^2/\text{NDF}: 70.0/51$

96.446 ± 150.924 $\chi^2/\text{NDF}: 28.3/26$

asym_left_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 716.475 +/- 0.200 χ^2/NDF : 472472.0/8

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

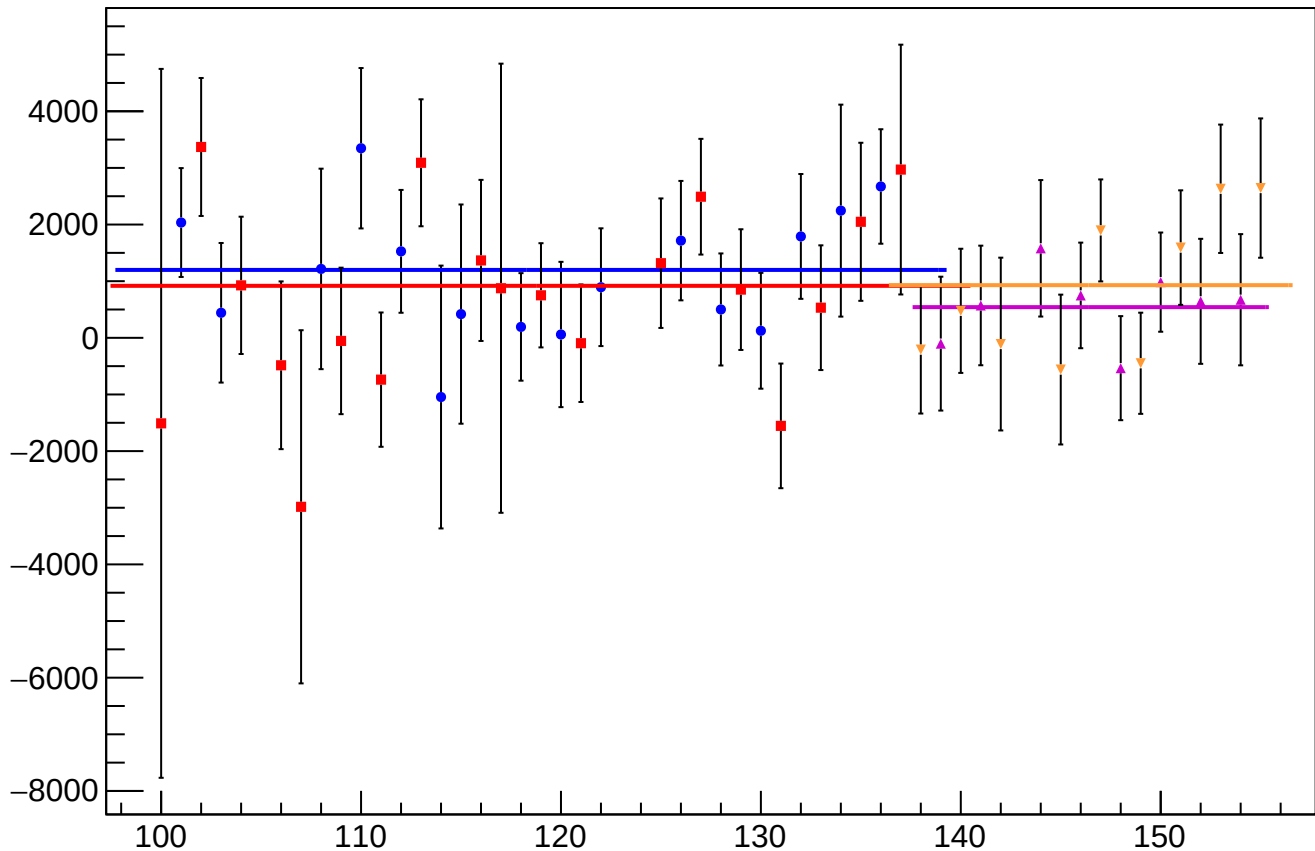
Left In: 715.068 +/- 0.200 χ^2/NDF : 384615.8/7

522.298 +/- 0.107 χ^2/NDF : 2861097.7/24

522.512 +/- 0.076 χ^2/NDF : 5994153.9/51

522.723 +/- 0.107 χ^2/NDF : 3133048.3/26

asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 929.883 $\pm$ 364.541 χ^2 /NDF: 11.1/8

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

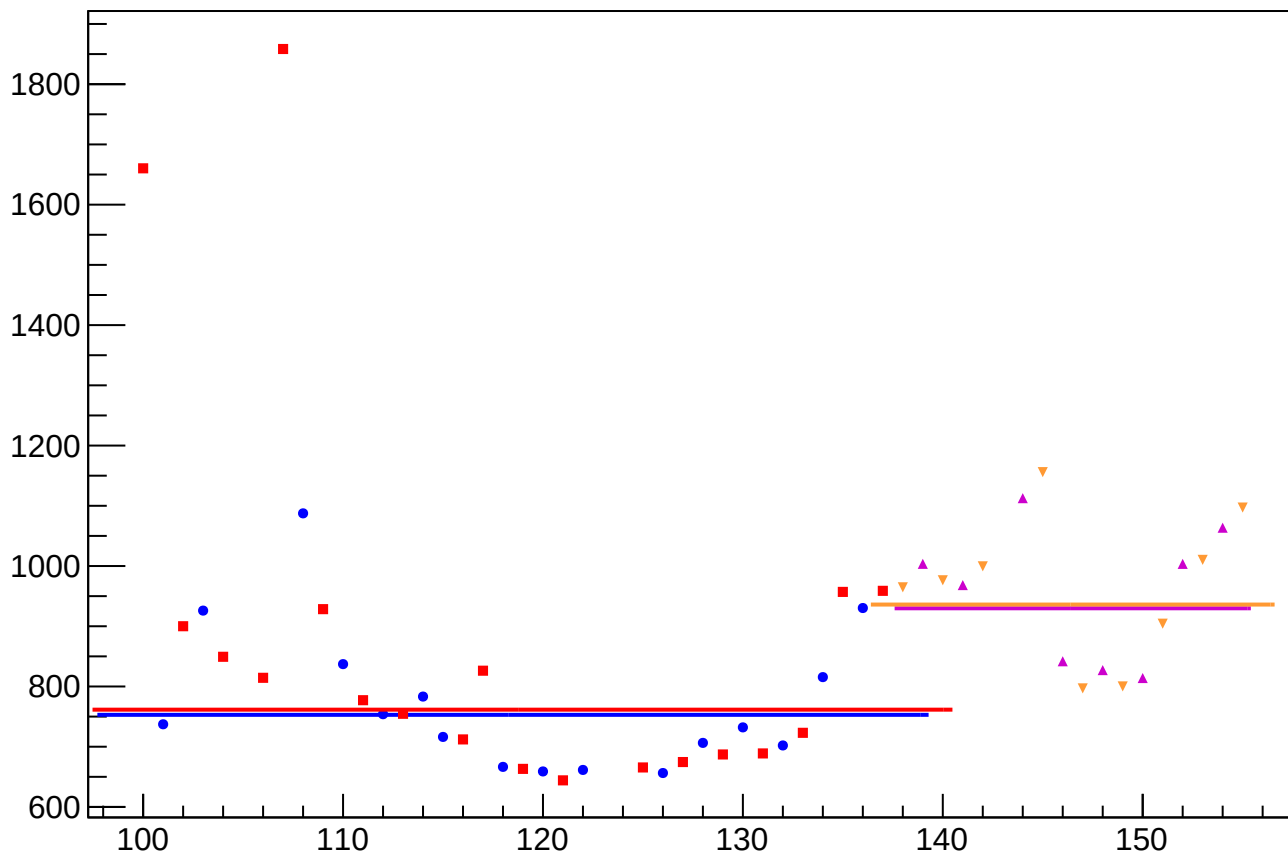
Left In: 541.808 $\pm$ 364.932 χ^2 /NDF: 2.7/7

1092.382 $\pm$ 229.433 χ^2 /NDF: 22.6/24

930.830 $\pm$ 161.808 χ^2 /NDF: 50.2/51

770.966 $\pm$ 228.233 χ^2 /NDF: 26.6/26

asym_left_avg_rms vs Slug, Sign Corrected



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

Left Out: 936.025 +/- 0.258 χ^2/NDF : 201686.0/8

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

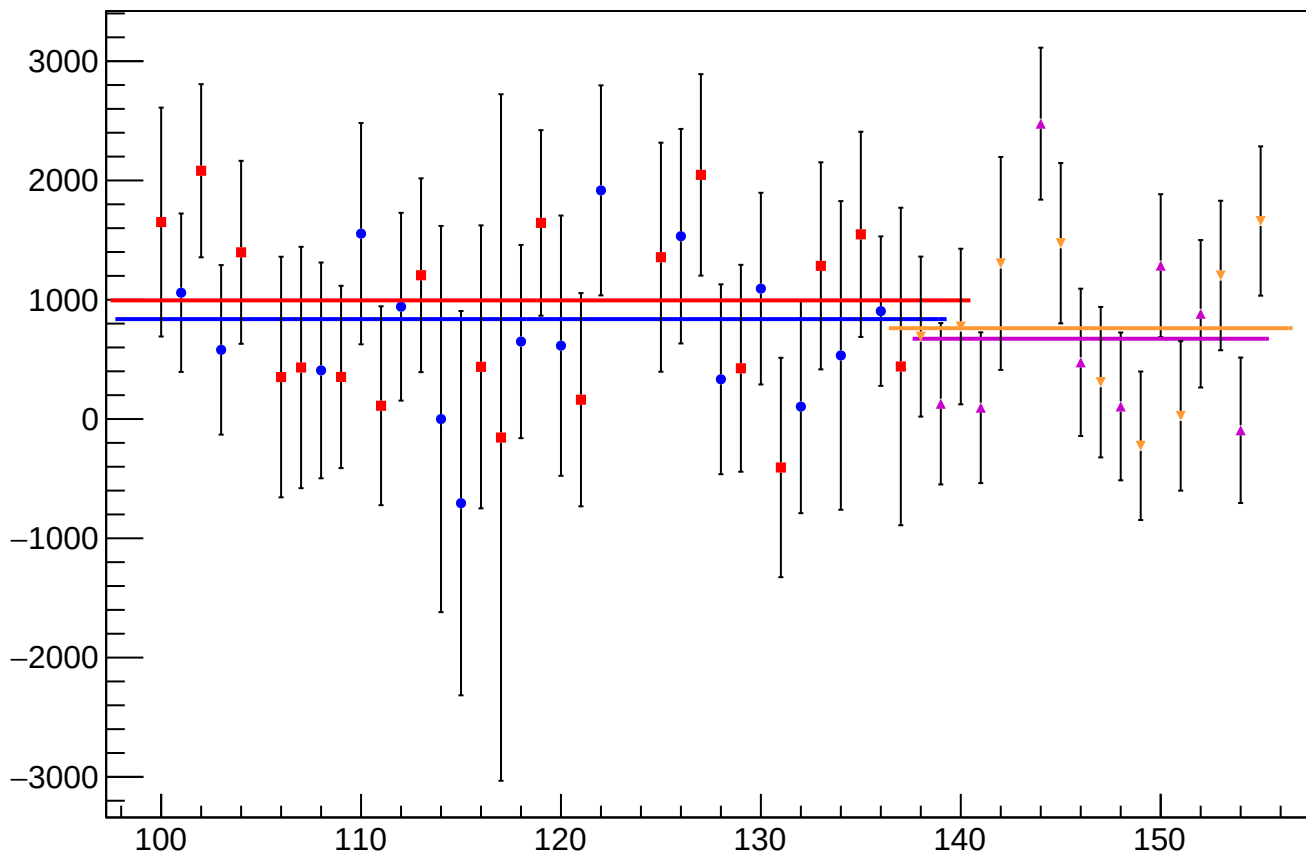
Left In: 929.821 +/- 0.258 χ^2/NDF : 169899.9/7

825.461 +/- 0.162 χ^2/NDF : 758868.0/24

826.408 +/- 0.114 χ^2/NDF : 1705522.7/51

827.345 +/- 0.161 χ^2/NDF : 946586.9/26

reg_asym_left_dd_mean vs Slug, Sign Corrected



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

Left Out: 761.417 ± 219.345 χ^2/NDF : 8.5/8

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

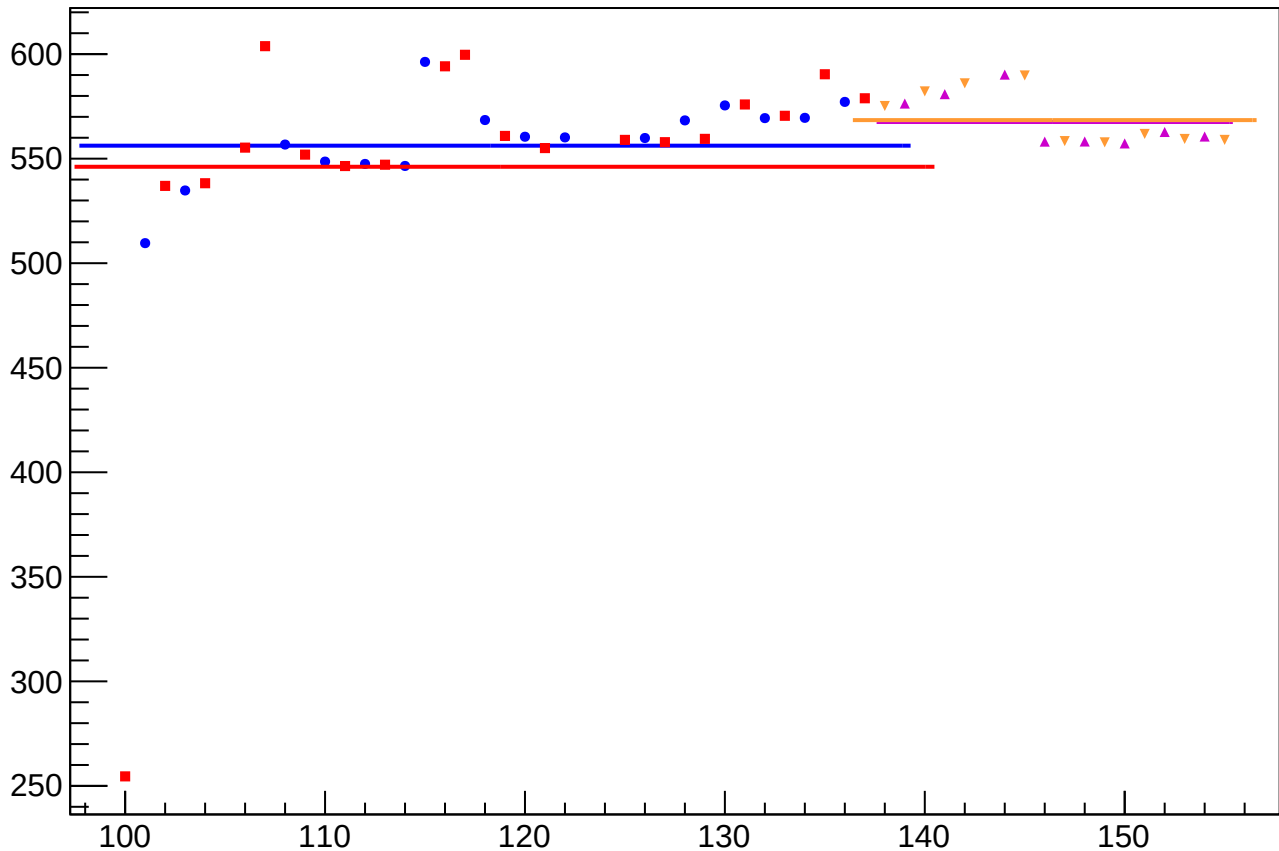
Left In: 672.987 ± 221.010 χ^2/NDF : 13.2/7

800.069 ± 153.910 χ^2/NDF : 14.2/24

822.513 ± 107.846 χ^2/NDF : 41.3/51

844.163 ± 151.162 χ^2/NDF : 27.0/26

reg_asym_left_dd_rms vs Slug, Sign Corrected



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

Left Out: 568.437 $\pm$ 0.155 χ^2/NDF : 6069.1/8

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

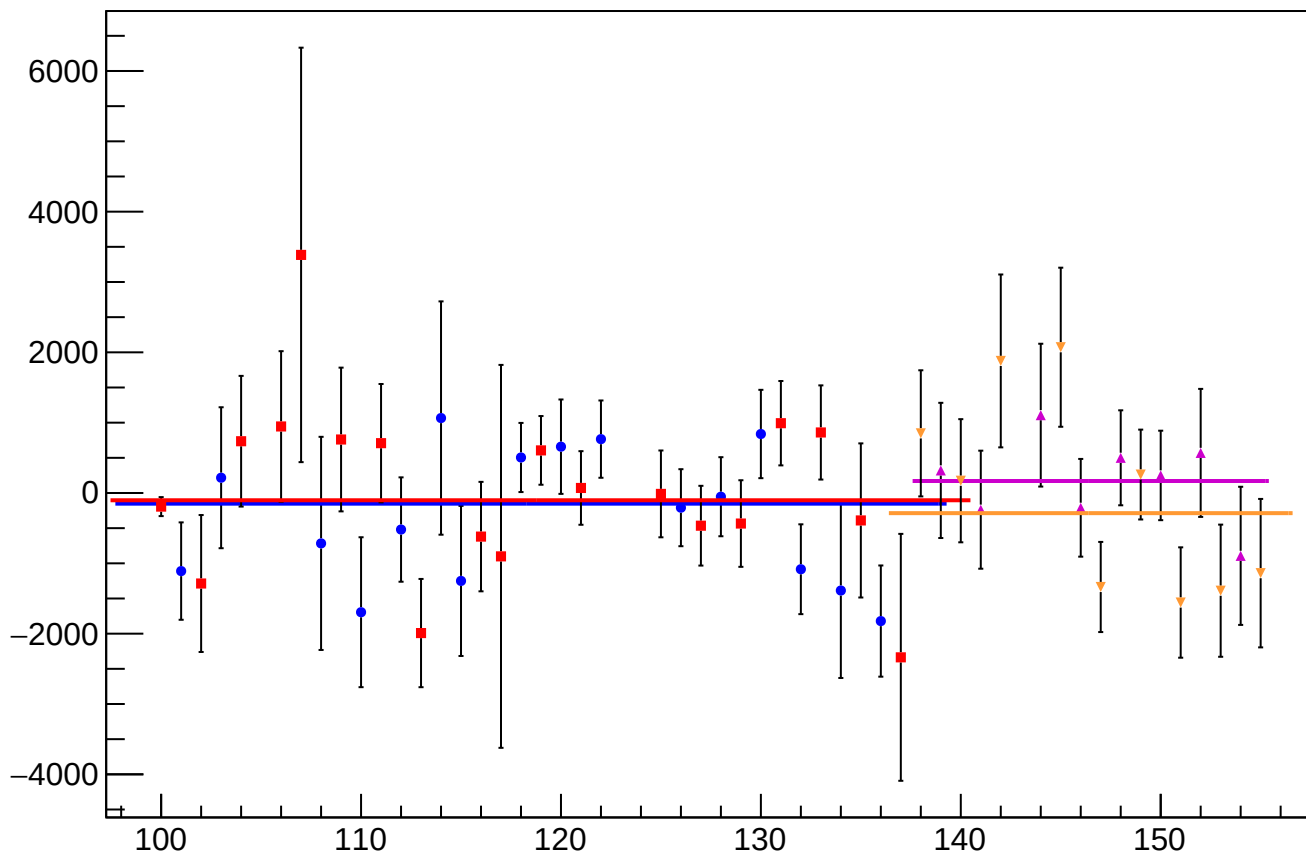
Left In: 567.532 $\pm$ 0.156 χ^2/NDF : 5641.3/7

562.230 $\pm$ 0.109 χ^2/NDF : 27641.1/24

559.129 $\pm$ 0.076 χ^2/NDF : 253201.2/51

556.139 $\pm$ 0.107 χ^2/NDF : 223965.5/26

asym_left_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -286.512 $\pm$ 282.464 χ^2/NDF : 17.4/8

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

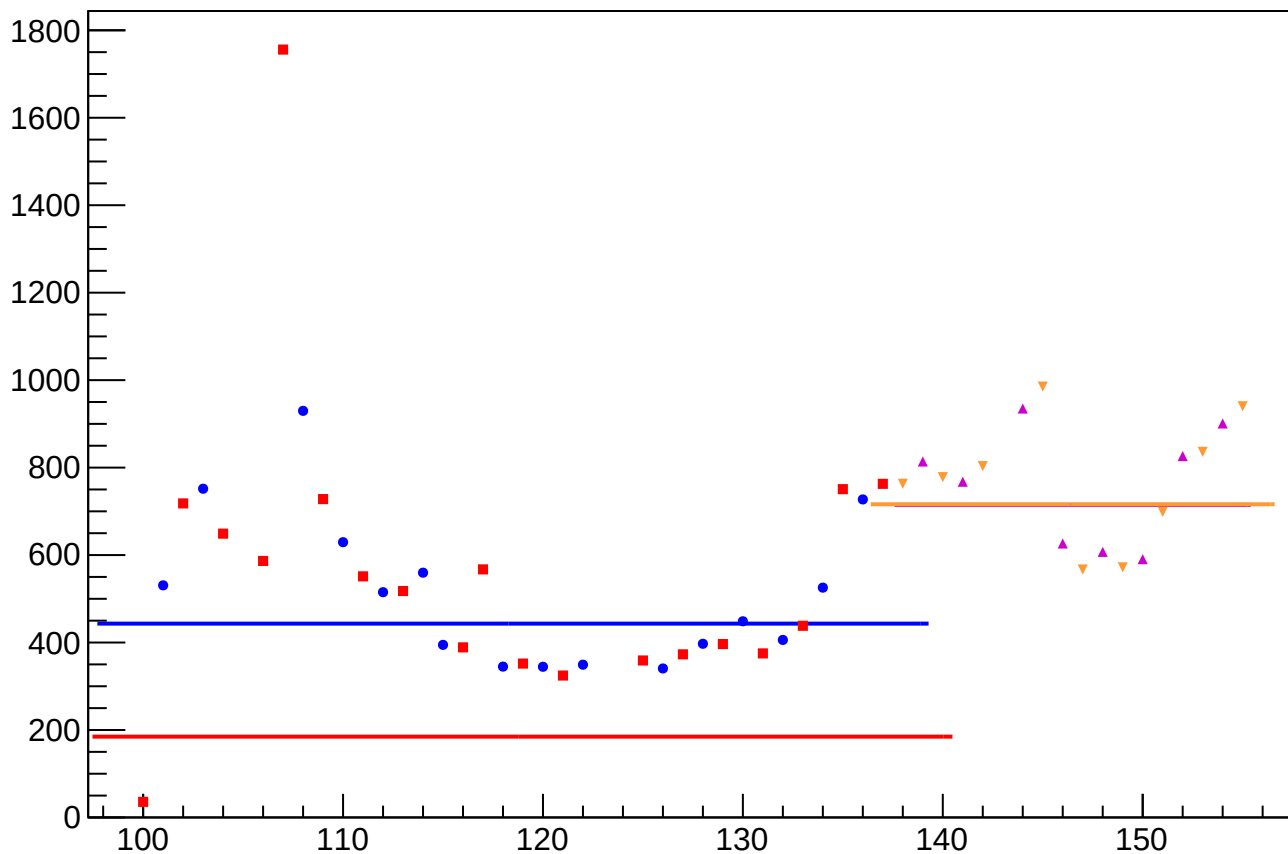
Left In: 170.579 $\pm$ 283.365 χ^2/NDF : 3.0/7

-190.460 $\pm$ 151.792 χ^2/NDF : 39.8/24

-105.933 $\pm$ 83.862 χ^2/NDF : 67.5/51

-68.798 $\pm$ 100.611 χ^2/NDF : 27.2/26

asym_left_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 716.131+/-0.200 χ^2/NDF : 472823.4/8

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

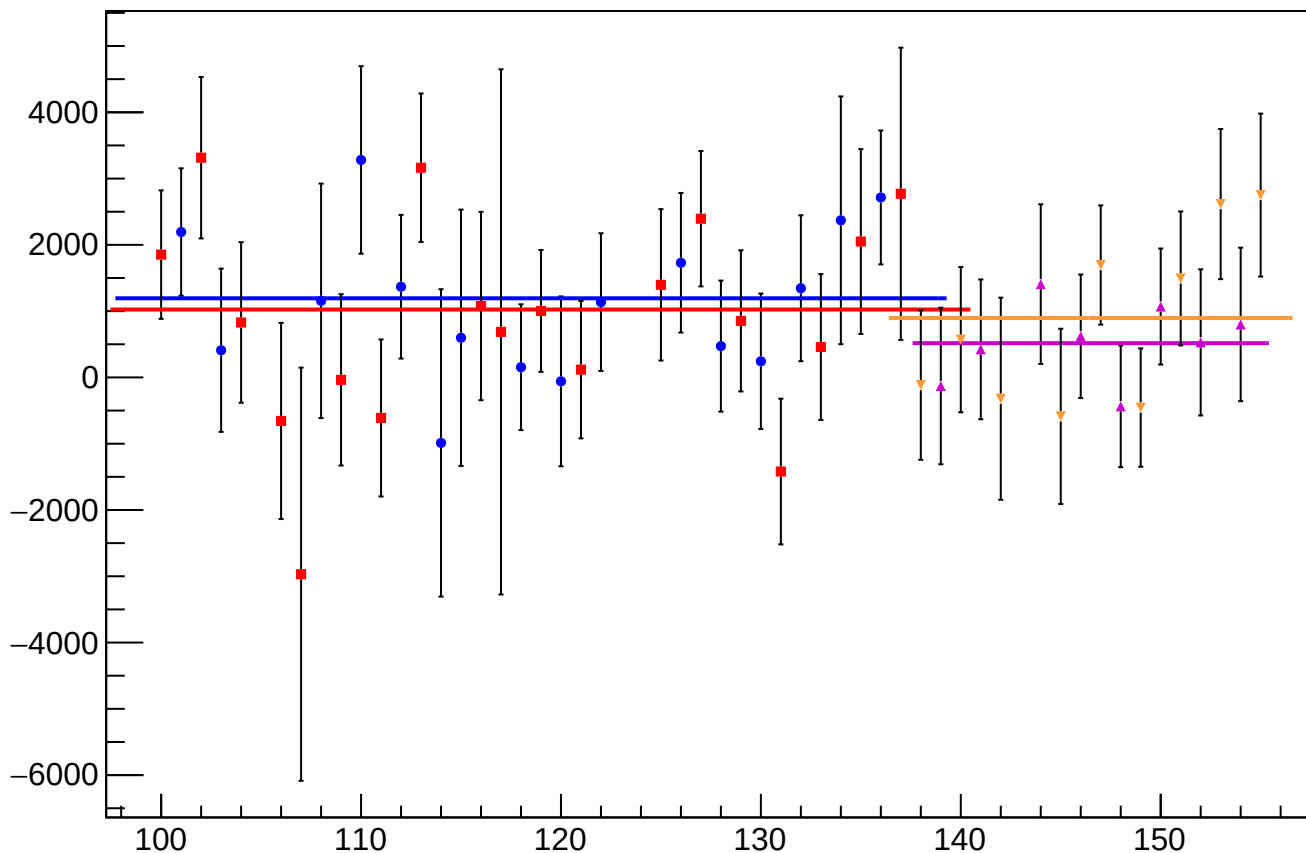
Left In: 714.672+/-0.200 χ^2/NDF : 384532.4/7

522.047+/-0.107 χ^2/NDF : 2861261.6/24

334.156+/-0.059 χ^2/NDF : 21887048.9/51

251.611+/-0.071 χ^2/NDF : 14615152.4/26

asym_left_dd_mean vs Slug, Sign Corrected



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

Left Out: 896.764 $\pm$ 364.337 χ^2 /NDF:10.8/8

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

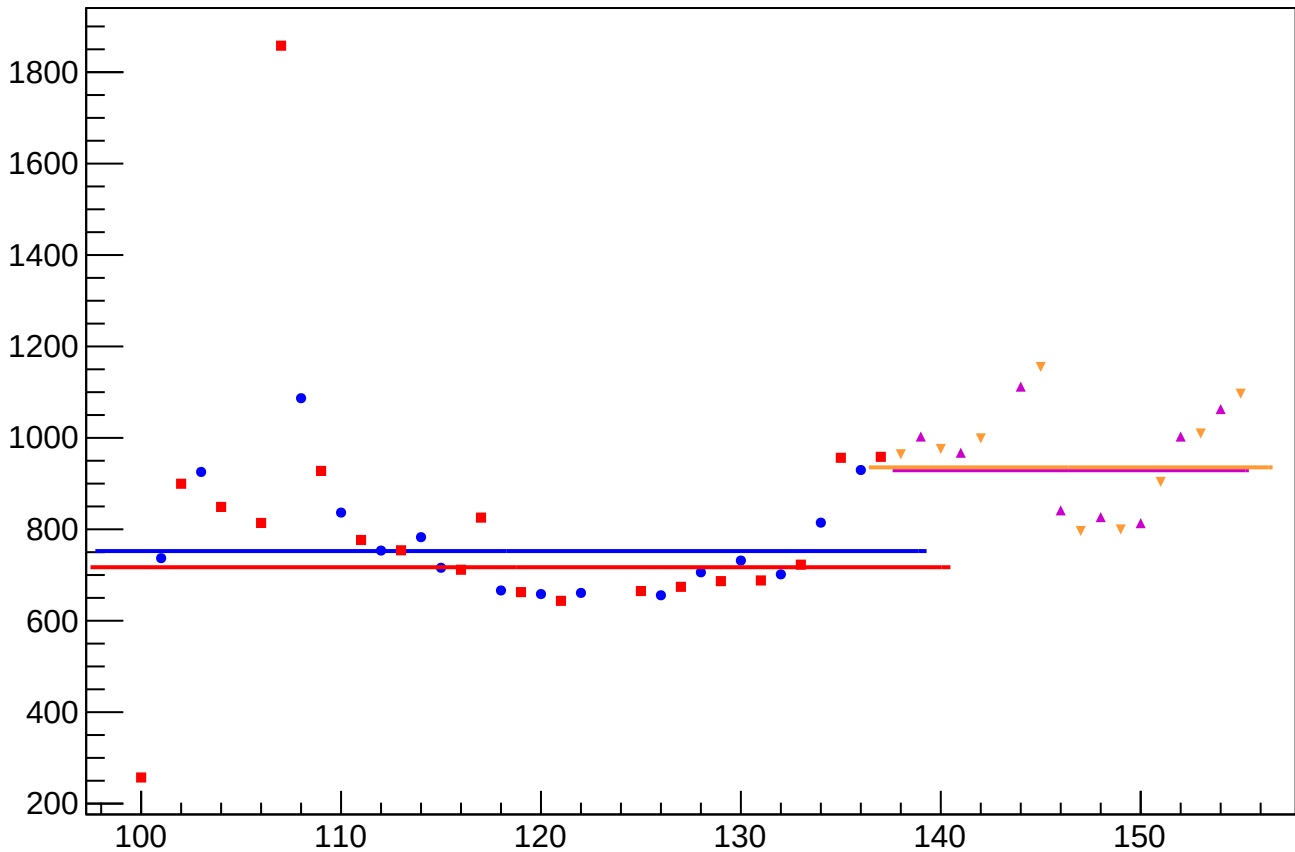
Left In: 516.734 $\pm$ 364.699 χ^2 /NDF:2.4/7

1076.185 $\pm$ 229.290 χ^2 /NDF: 22.4/24

952.323 $\pm$ 159.549 χ^2 /NDF: 49.1/51

836.053 $\pm$ 222.152 χ^2 /NDF: 26.2/26

asym_left_dd_rms vs Slug, Sign Corrected



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

Left Out: 935.503 +/- 0.258 χ^2/NDF : 201675.4/8

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

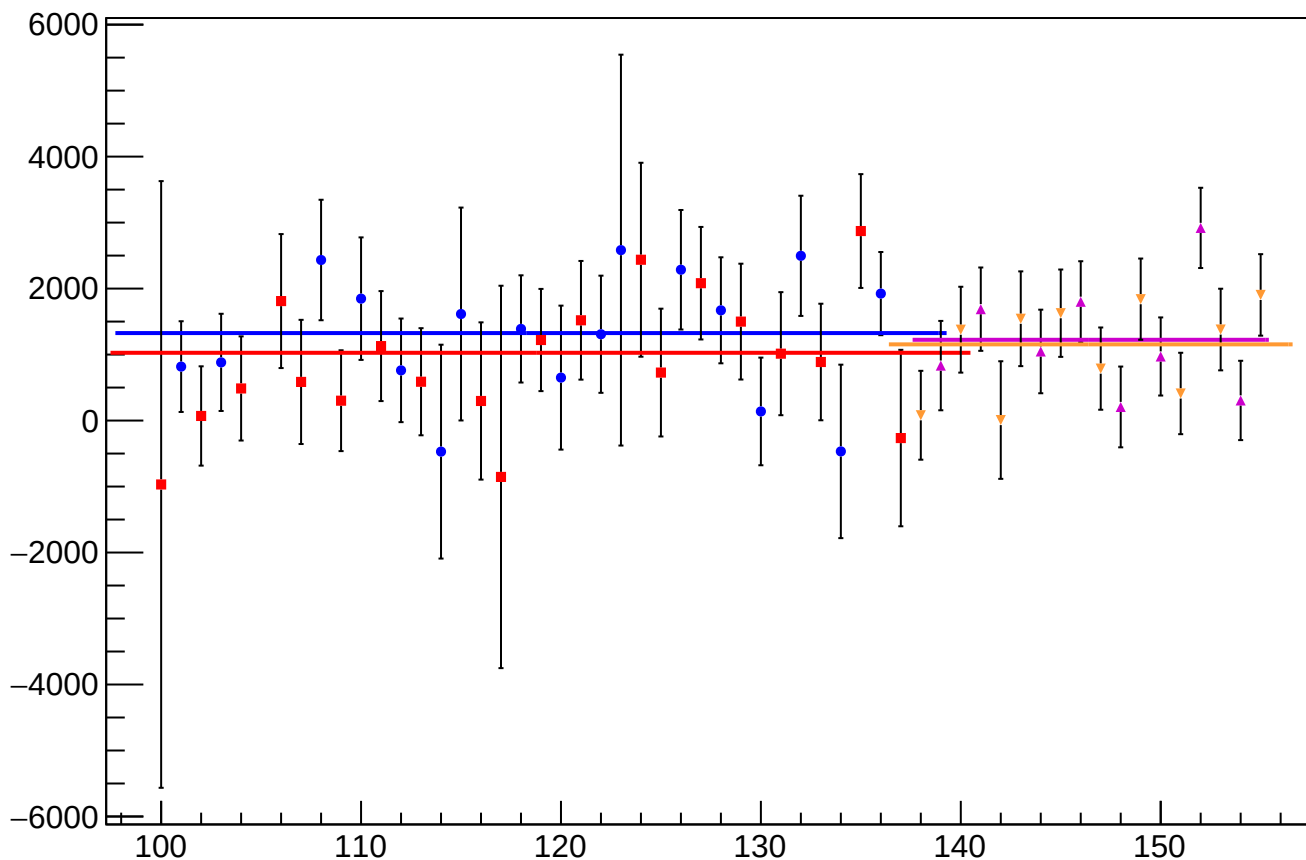
Left In: 929.223 +/- 0.258 χ^2/NDF : 169934.2/7

824.937 +/- 0.162 χ^2/NDF : 759360.1/24

809.902 +/- 0.113 χ^2/NDF : 2340092.1/51

795.787 +/- 0.157 χ^2/NDF : 1564058.7/26

reg_asym_right_avg_mean vs Slug, Sign Corrected



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

Left Out: 1154.699 $\pm$ 207.934 χ^2 /NDF: 9.8/9

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

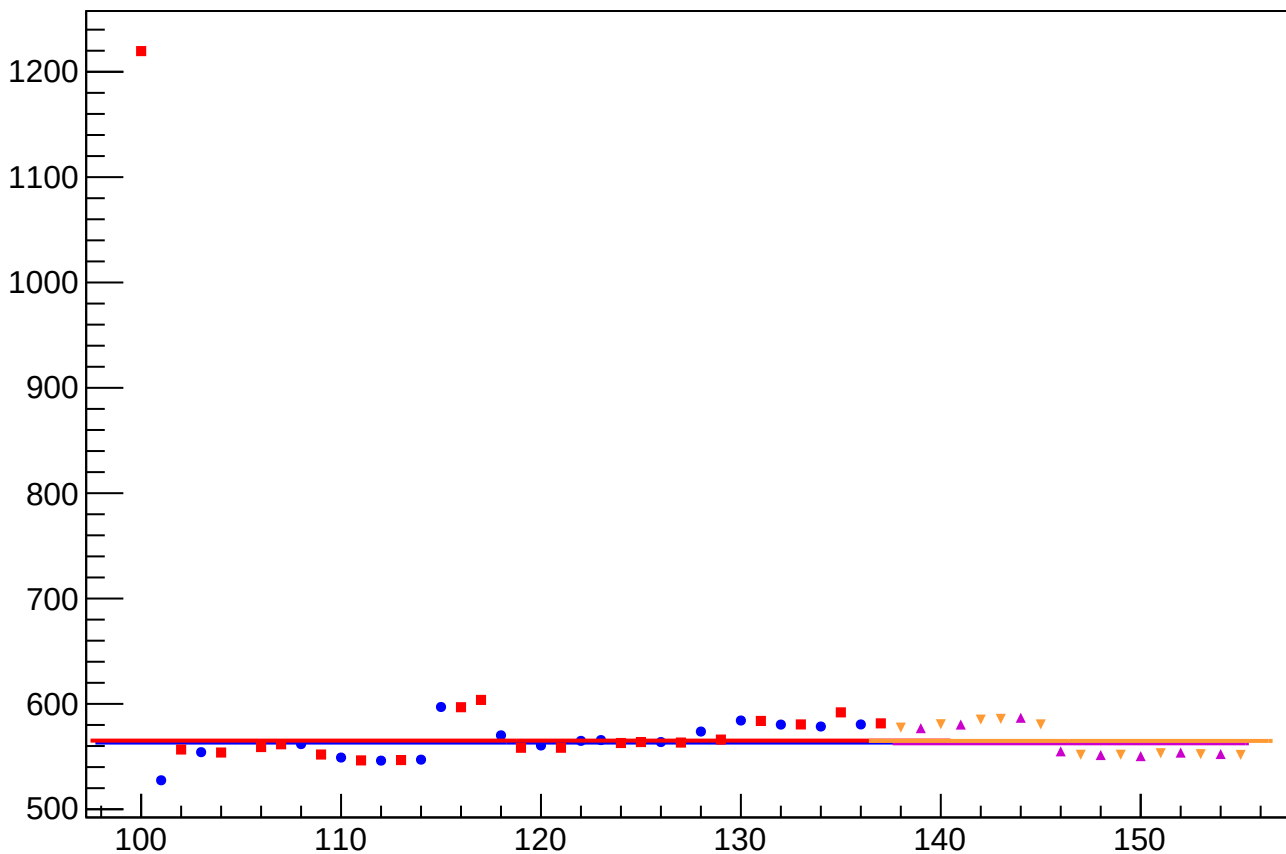
Left In: 1224.005 $\pm$ 219.101 χ^2 /NDF: 14.9/7

1236.155 $\pm$ 150.499 χ^2 /NDF: 23.0/26

1179.542 $\pm$ 106.942 χ^2 /NDF: 52.4/54

1121.801 $\pm$ 151.991 χ^2 /NDF: 29.2/27

reg_asym_right_avg_rms vs Slug, Sign Corrected



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

Left Out: 564.854 $\pm$ 0.147 χ^2 /NDF: 10010.6/9

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

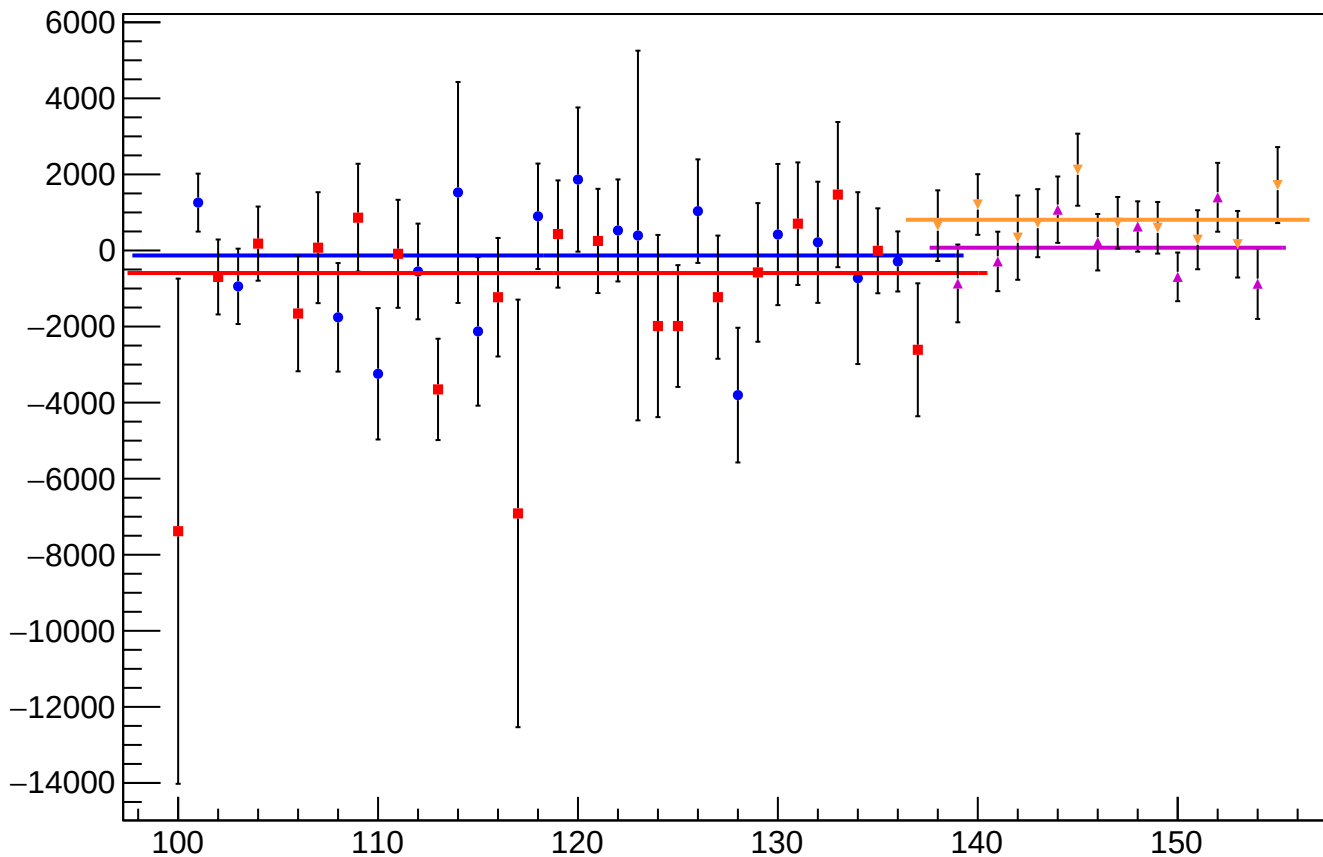
Left In: 562.575 $\pm$ 0.155 χ^2 /NDF: 8233.3/7

564.098 $\pm$ 0.106 χ^2 /NDF: 22586.5/26

564.005 $\pm$ 0.076 χ^2 /NDF: 80617.7/54

563.911 $\pm$ 0.107 χ^2 /NDF: 58029.7/27

asym_right_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 807.600 $\pm$ 265.160 χ^2/NDF : 4.3/9

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

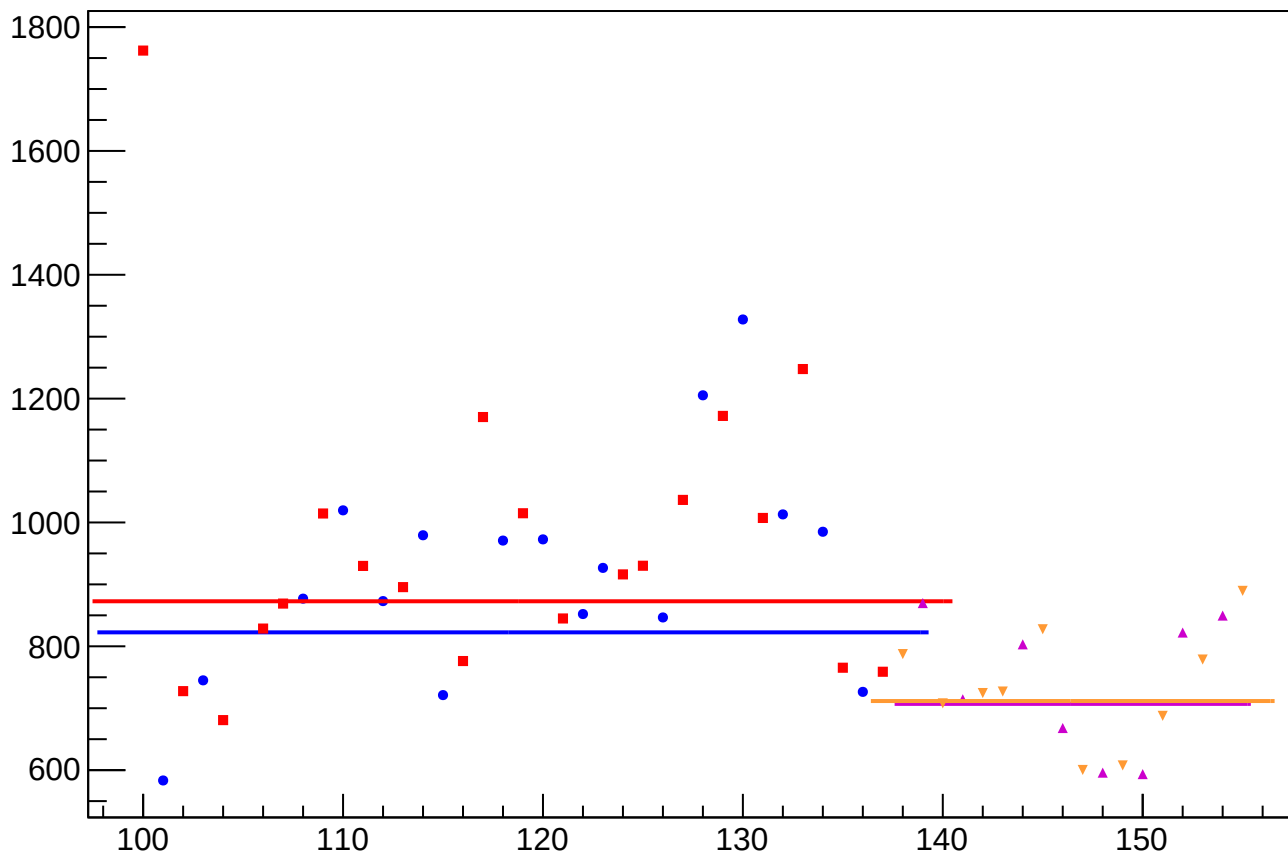
Left In: 72.658 $\pm$ 279.077 χ^2/NDF : 7.7/7

436.029 $\pm$ 206.104 χ^2/NDF : 26.5/26

128.049 $\pm$ 148.310 χ^2/NDF : 57.1/54

-202.686 $\pm$ 213.581 χ^2/NDF : 26.0/27

asym_right_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 711.611+/-0.187 χ^2/NDF : 222017.1/9

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

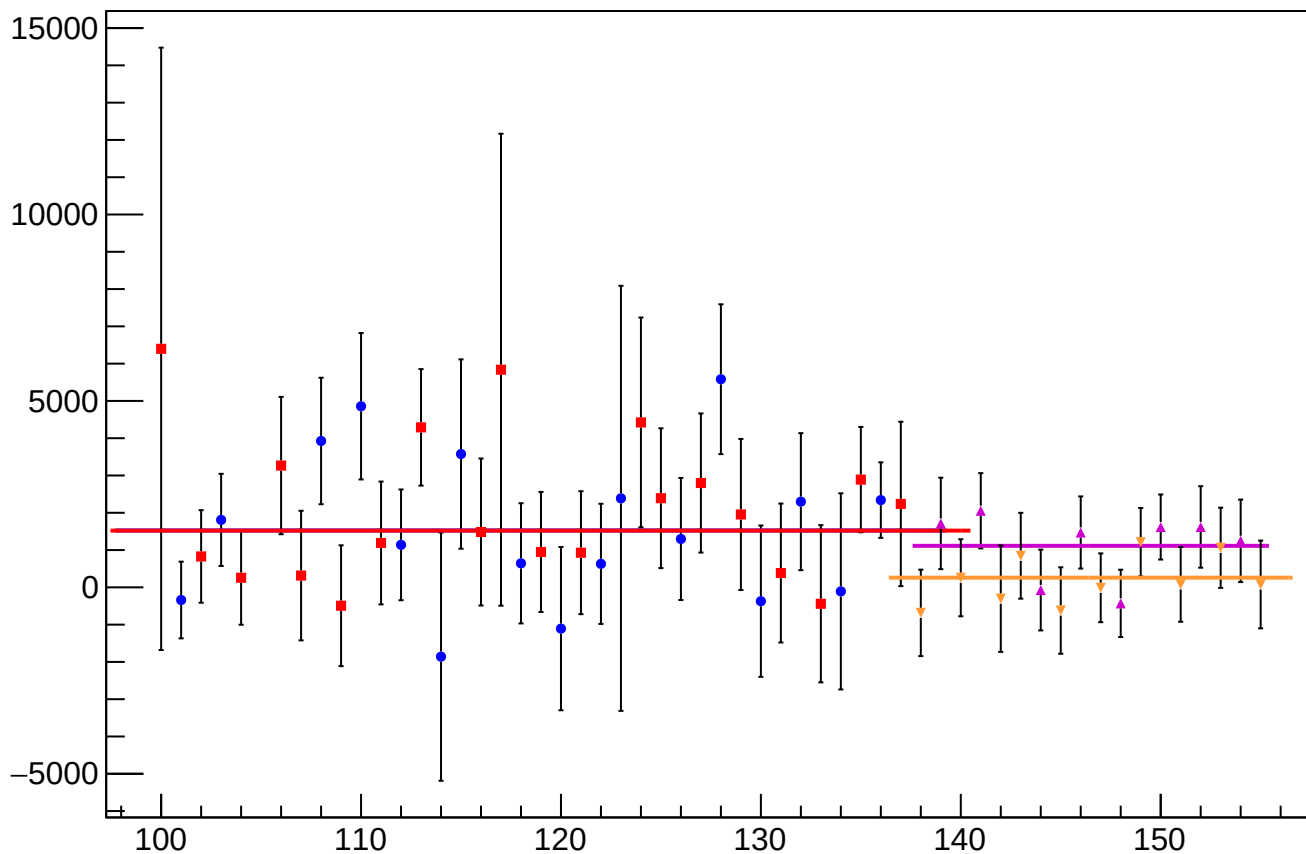
Left In: 707.011+/-0.197 χ^2/NDF : 279819.7/7

755.515+/-0.146 χ^2/NDF : 961495.1/26

765.230+/-0.105 χ^2/NDF : 1955144.1/54

775.663+/-0.151 χ^2/NDF : 984433.1/27

asym_right_avg_mean vs Slug, Sign Corrected



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

Left Out: 259.551 $\pm$ 340.696 χ^2 /NDF: 3.4/9

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

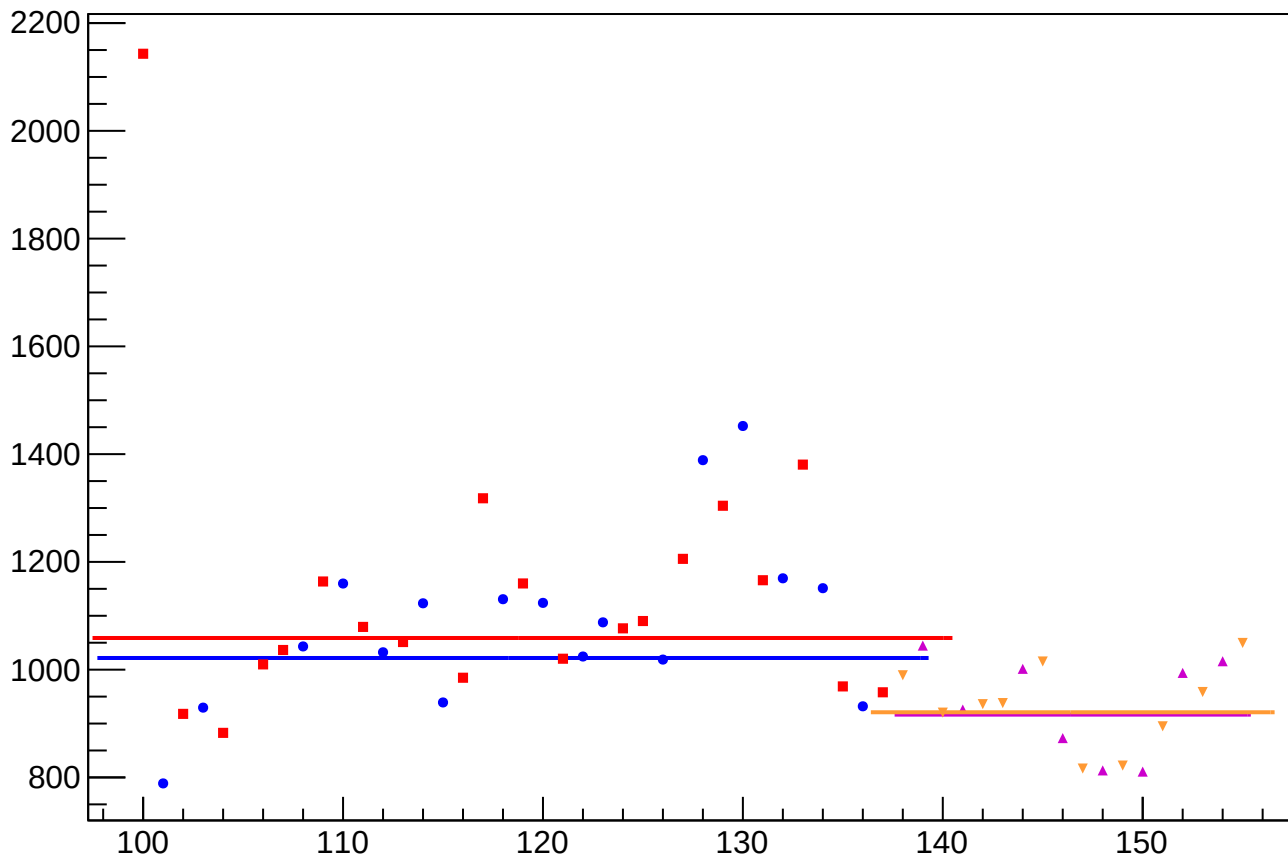
Left In: 1113.404 $\pm$ 358.926 χ^2 /NDF: 5.9/7

789.057 $\pm$ 259.851 χ^2 /NDF: 27.4/26

1035.714 $\pm$ 186.182 χ^2 /NDF: 48.4/54

1295.919 $\pm$ 266.892 χ^2 /NDF: 19.1/27

asym_right_avg_rms vs Slug, Sign Corrected



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

Left Out: 920.940 +/- 0.241 χ^2/NDF : 97483.4/9

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

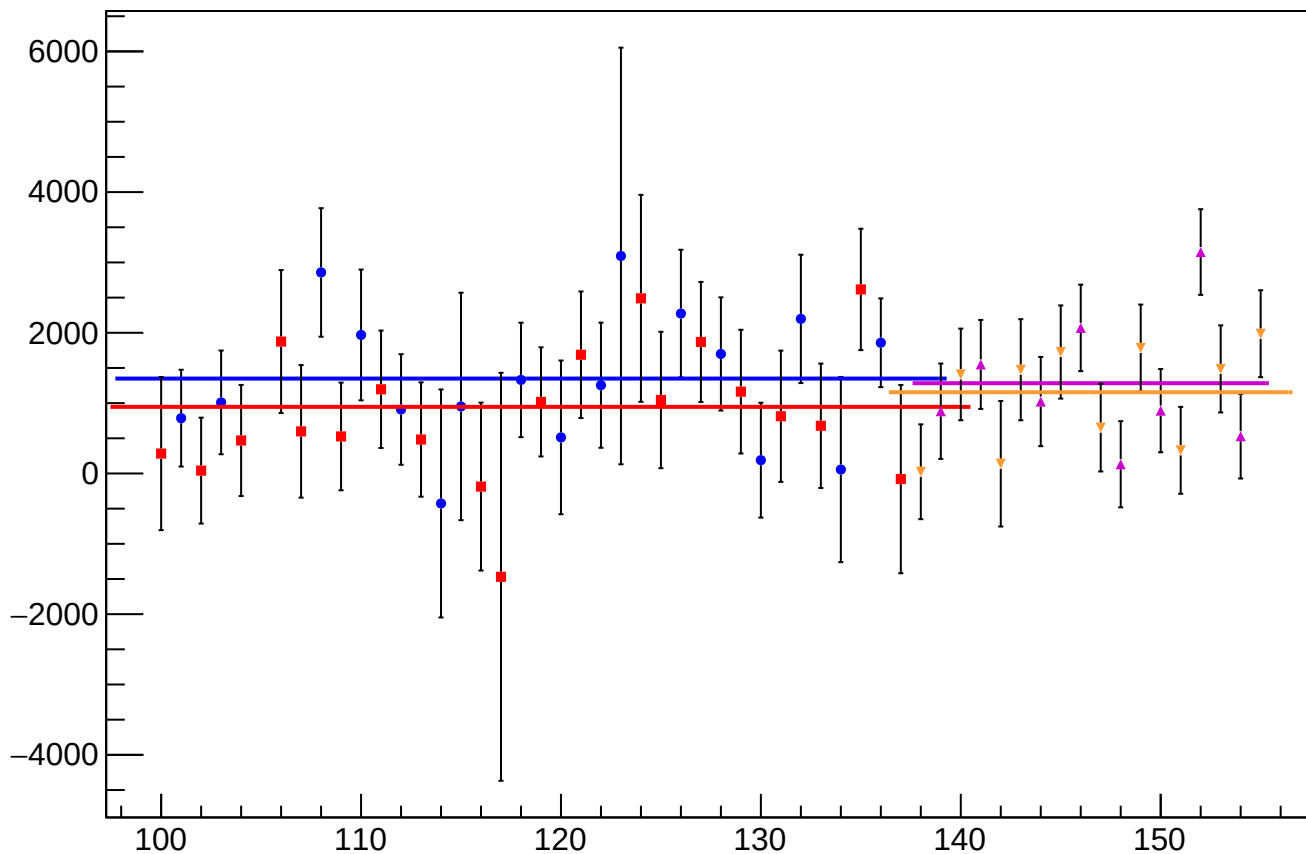
Left In: 916.566 +/- 0.254 χ^2/NDF : 120161.7/7

963.071 +/- 0.184 χ^2/NDF : 502552.5/26

971.381 +/- 0.132 χ^2/NDF : 1001613.3/54

980.149 +/- 0.189 χ^2/NDF : 494856.9/27

reg_asym_right_dd_mean vs Slug, Sign Corrected



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

Left Out: 1154.796 $\pm$ 208.141 χ^2 /NDF:10.8/9

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

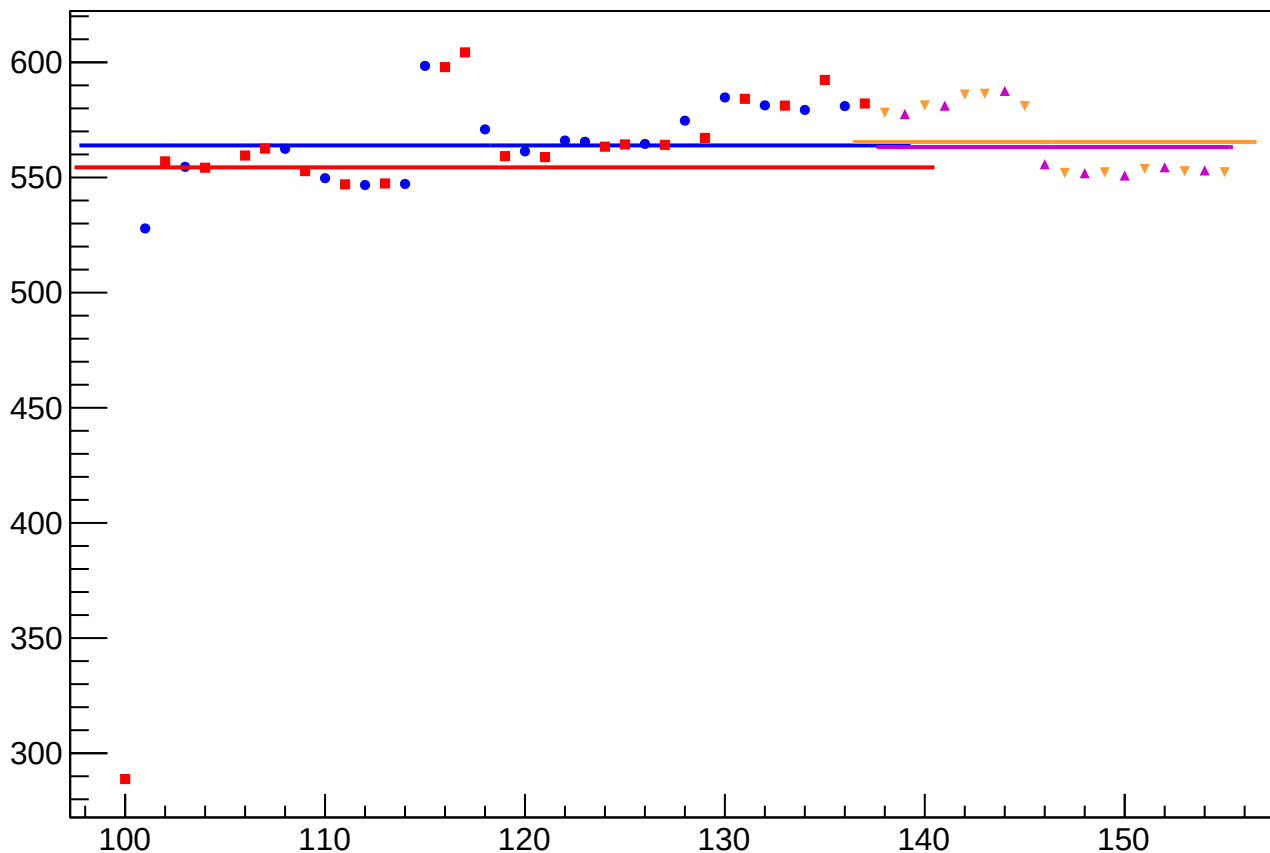
Left In: 1283.225 $\pm$ 219.347 χ^2 /NDF:17.3/7

1247.321 $\pm$ 150.662 χ^2 /NDF: 23.5/26

1176.667 $\pm$ 106.576 χ^2 /NDF: 55.4/54

1105.902 $\pm$ 150.781 χ^2 /NDF: 31.4/27

reg_asym_right_dd_rms vs Slug, Sign Corrected



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

Left Out: 565.414 $\pm$ 0.147 χ^2 /NDF:10063.4/9

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

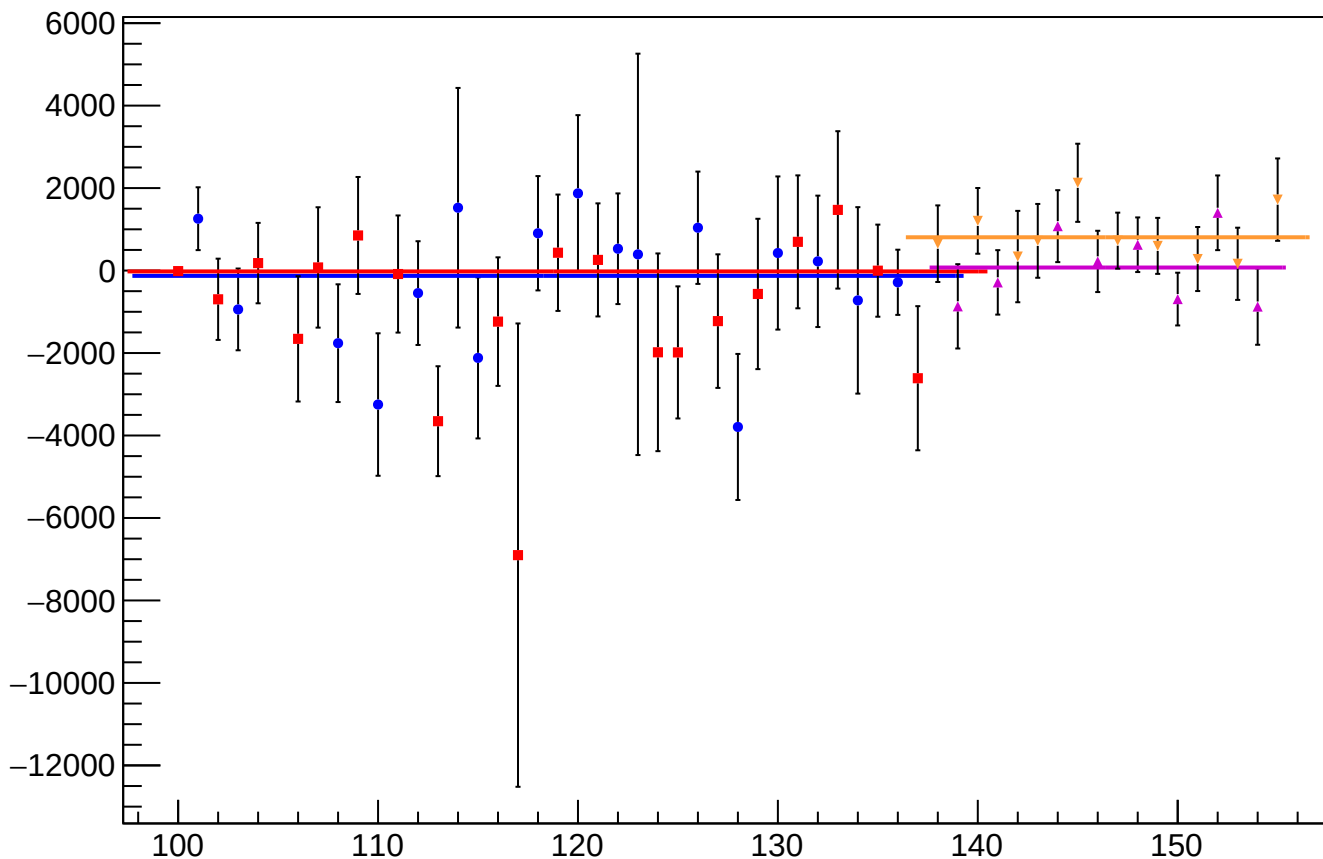
Left In: 563.206 $\pm$ 0.155 χ^2 /NDF:8300.6/7

564.704 $\pm$ 0.107 χ^2 /NDF: 22775.3/26

561.635 $\pm$ 0.075 χ^2 /NDF: 166996.8/54

558.562 $\pm$ 0.107 χ^2 /NDF: 142560.8/27

asym_right_dd_correction_mean vs Slug, Sign Corrected



Right In: -128.725 $\pm$ 327.688 χ^2/NDF : 17.2/16

Left Out: 807.133 $\pm$ 265.258 χ^2/NDF : 4.4/9

Right Out: -20.715 $\pm$ 38.953 χ^2/NDF : 17.6/19

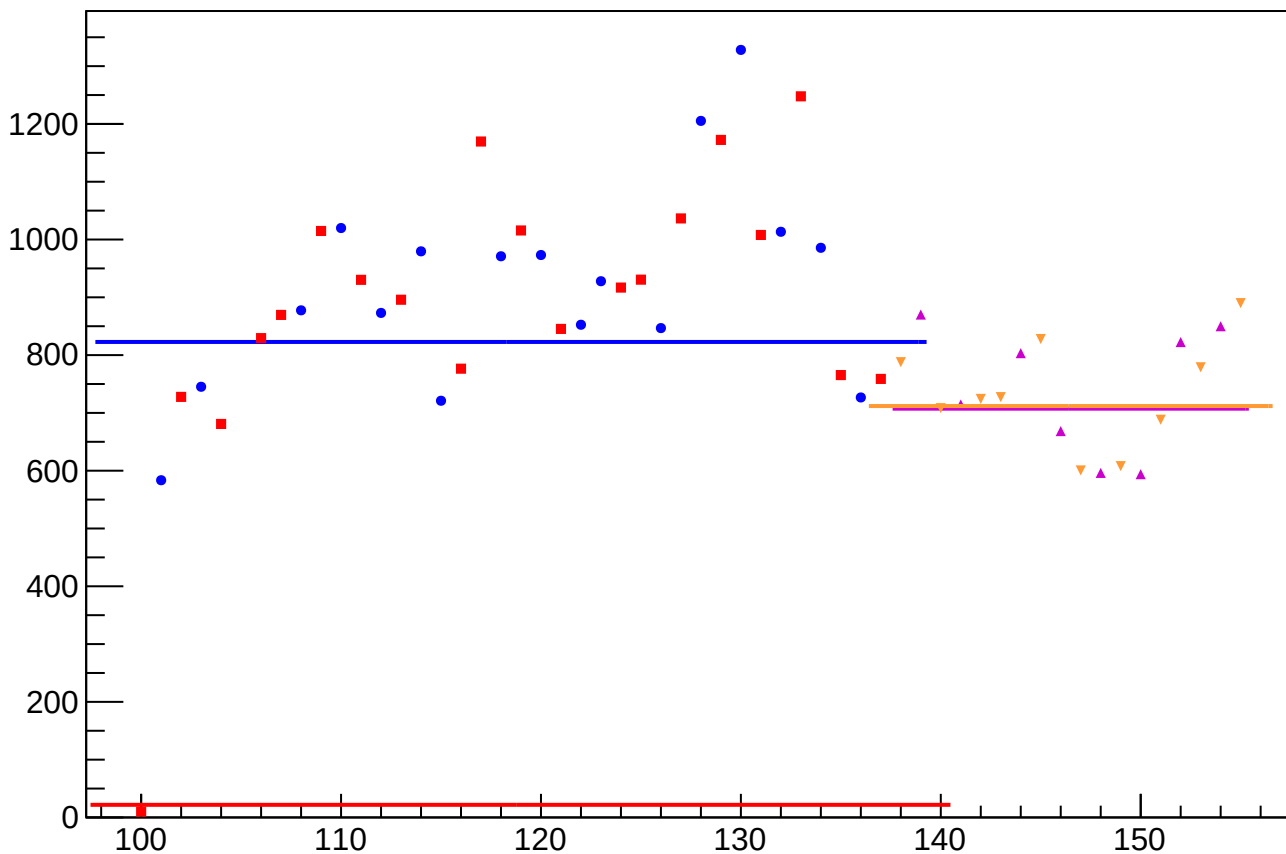
Left In: 73.512 $\pm$ 279.196 χ^2/NDF : 7.7/7

436.658 $\pm$ 206.175 χ^2/NDF : 26.5/26

-3.504 $\pm$ 37.921 χ^2/NDF : 56.7/54

-18.916 $\pm$ 38.580 χ^2/NDF : 25.5/27

asym_right_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 711.867 $\pm$ 0.188 χ^2/NDF : 222132.5/9

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

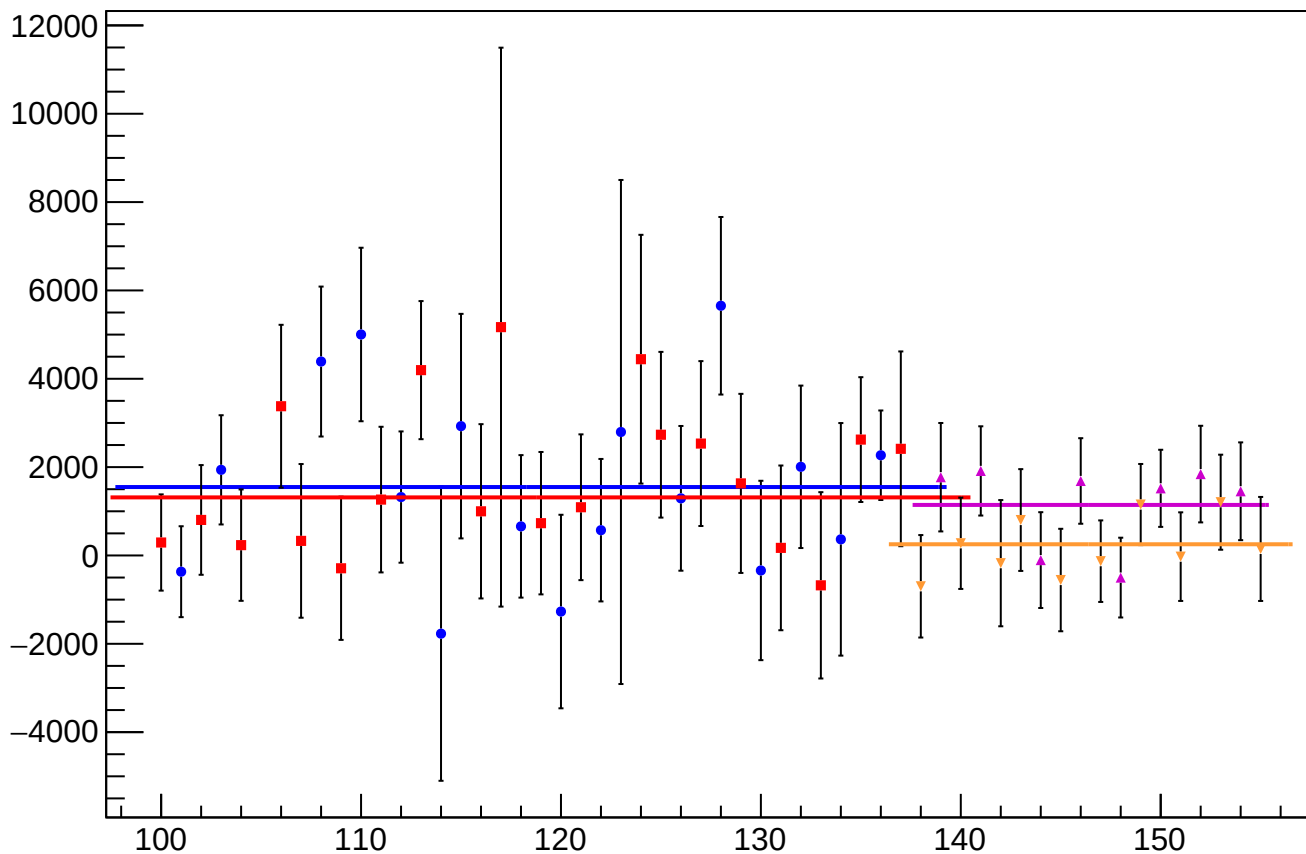
Left In: 707.323 $\pm$ 0.197 χ^2/NDF : 279554.9/7

755.774 $\pm$ 0.146 χ^2/NDF : 961427.9/26

59.341 $\pm$ 0.027 χ^2/NDF : 50292137.8/54

34.955 $\pm$ 0.027 χ^2/NDF : 25711513.7/27

asym_right_dd_mean vs Slug, Sign Corrected



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

Left Out: 253.467 $\pm$ 340.899 χ^2 /NDF: 3.5/9

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

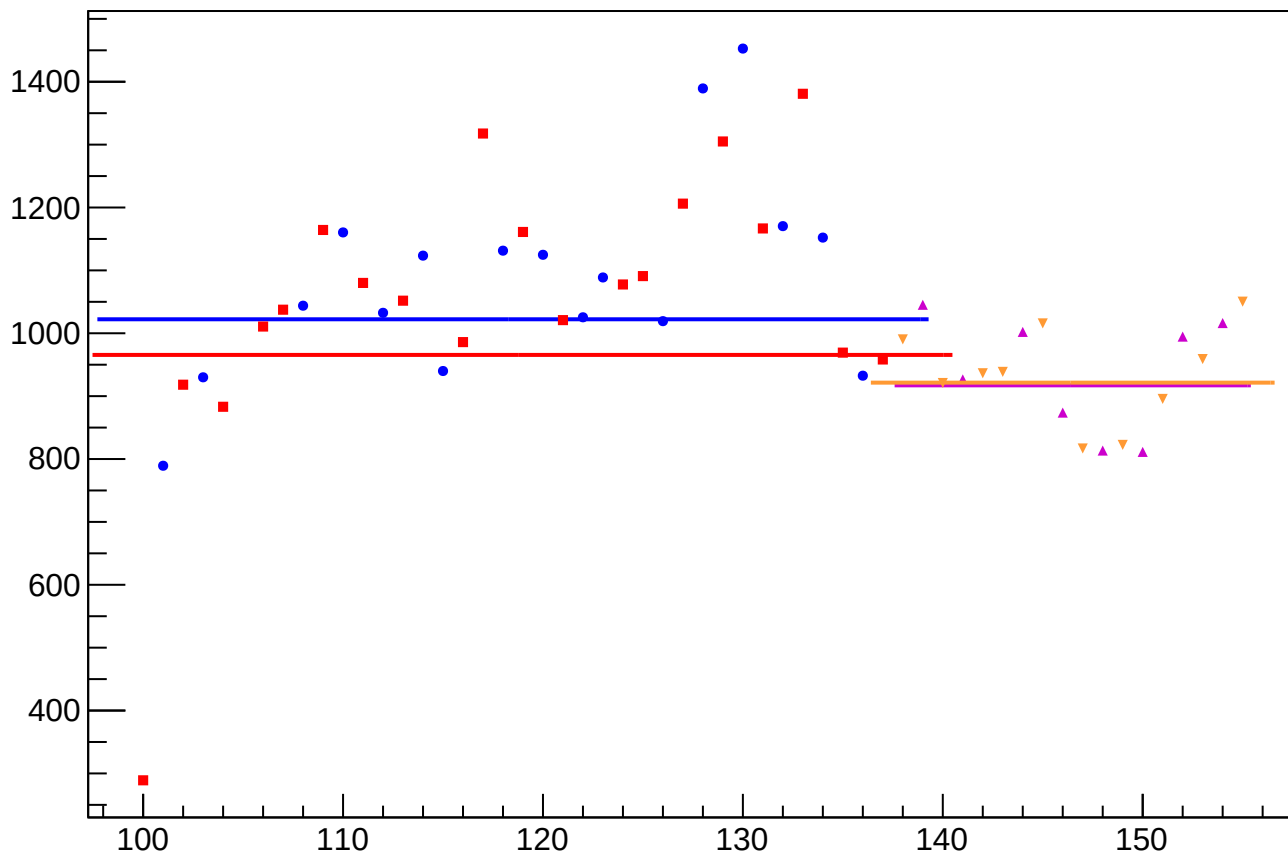
Left In: 1144.021 $\pm$ 359.166 χ^2 /NDF: 6.5/7

795.331 $\pm$ 260.002 χ^2 /NDF: 28.5/26

1010.836 $\pm$ 183.676 χ^2 /NDF: 49.4/54

1225.529 $\pm$ 259.512 χ^2 /NDF: 19.5/27

asym_right_dd_rms vs Slug, Sign Corrected



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

Left Out: 921.484+/-0.241 χ^2/NDF : 97576.9/9

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

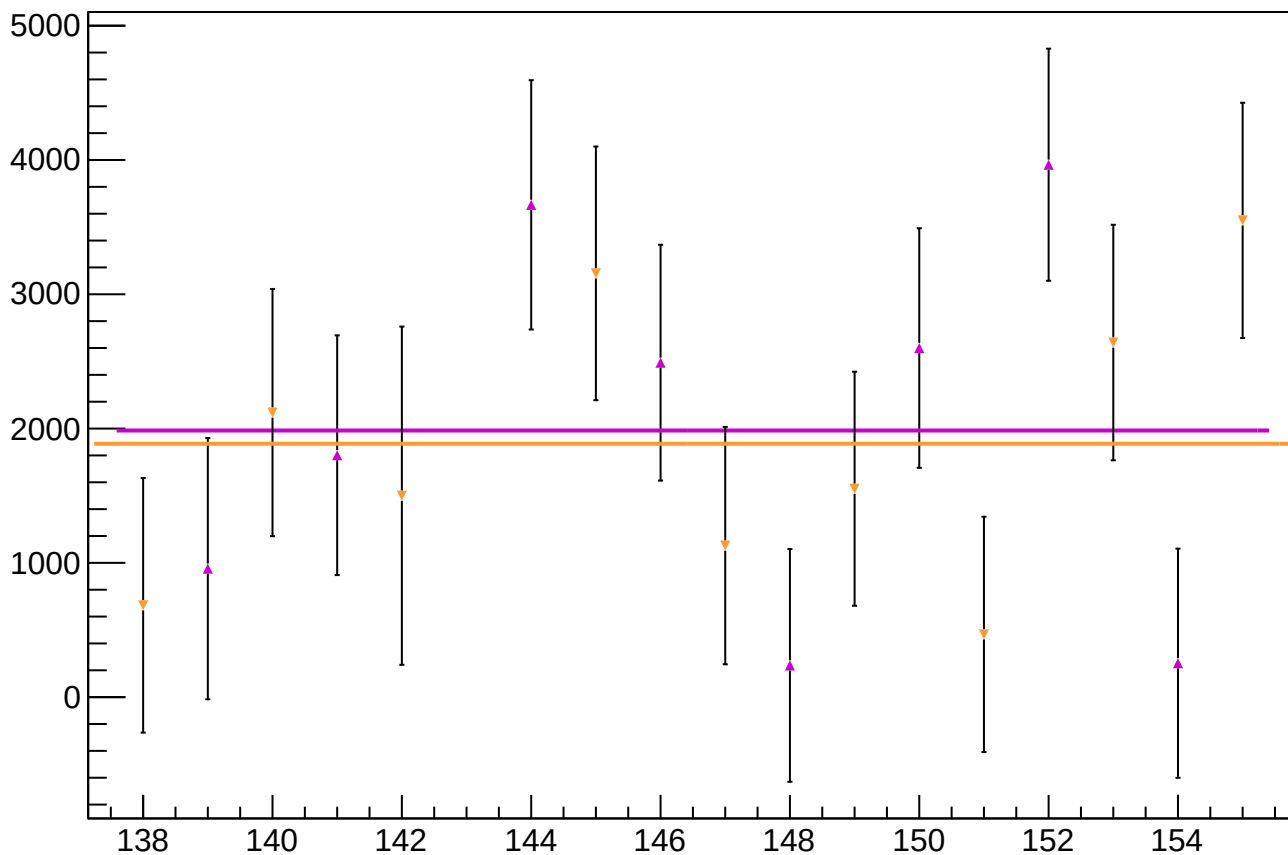
Left In: 917.182+/-0.254 χ^2/NDF : 120124.4/7

963.631+/-0.184 χ^2/NDF : 502525.6/26

951.948+/-0.130 χ^2/NDF : 1721559.1/54

940.310+/-0.184 χ^2/NDF : 1210973.5/27

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1886.980+/-307.914 χ^2/NDF : 11.4/8

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

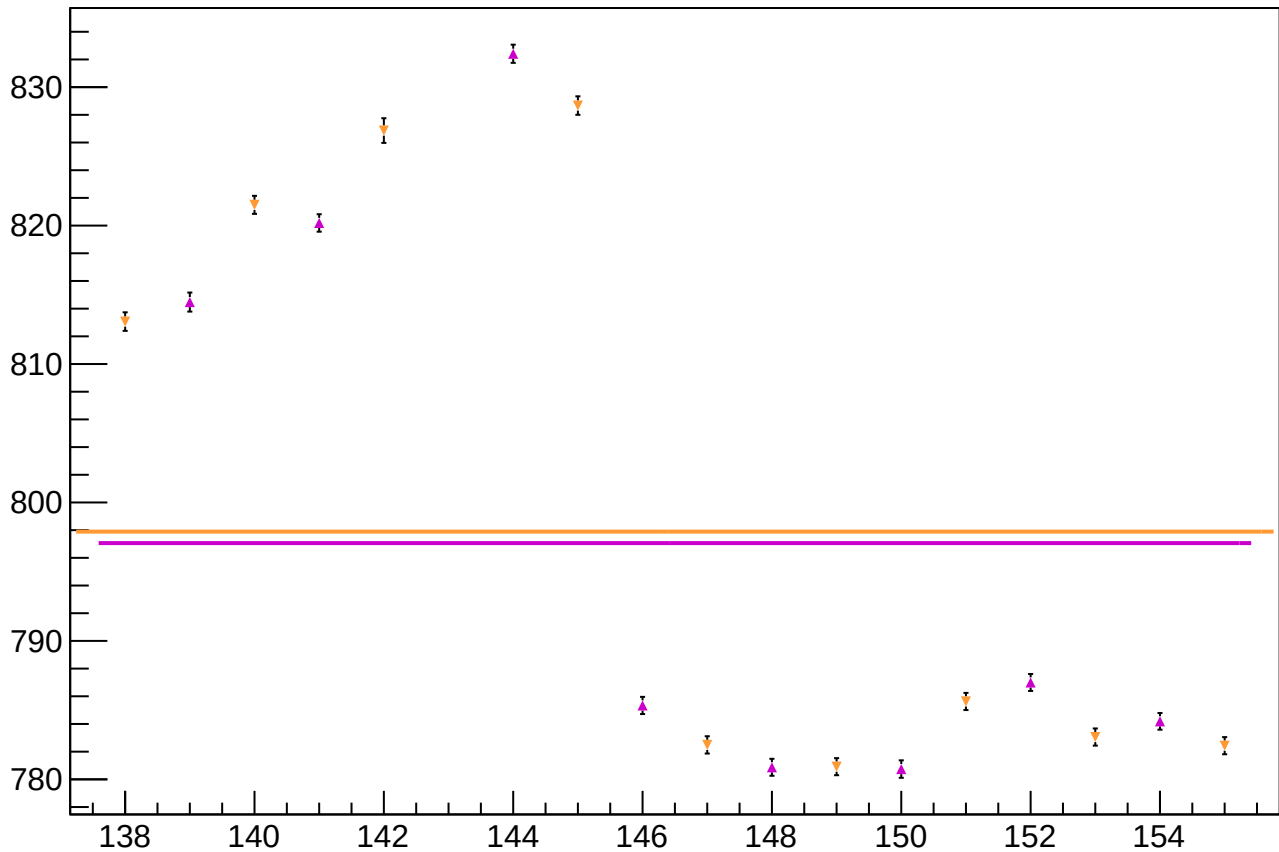
Left In: 1985.637+/-315.107 χ^2/NDF : 18.7/7

1886.980+/-307.914 χ^2/NDF : 11.4/8

1935.169+/-220.227 χ^2/NDF : 30.2/16

1985.637+/-315.107 χ^2/NDF : 18.7/7

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 797.894+/-0.218 χ^2/NDF : 7963.6/8

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

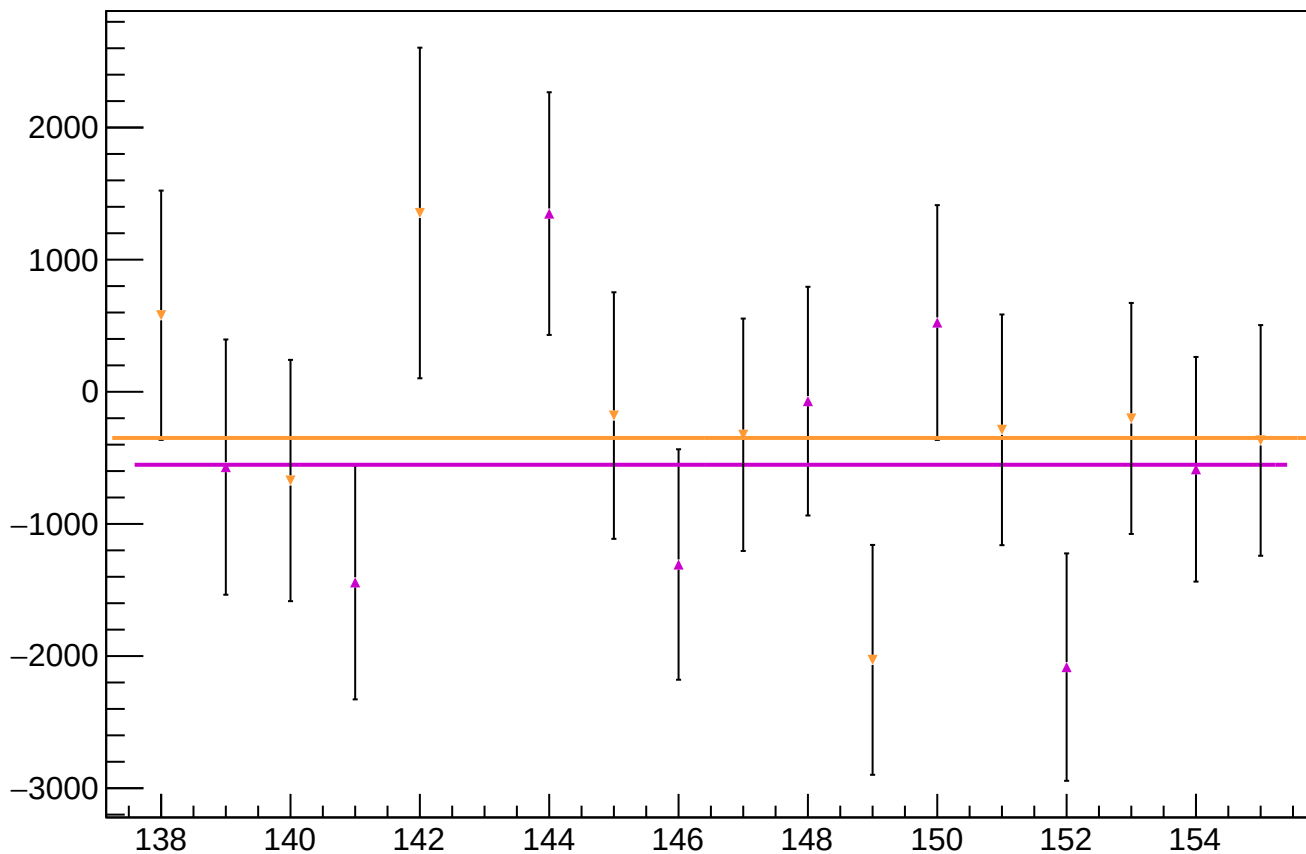
Left In: 797.065+/-0.223 χ^2/NDF : 7335.5/7

797.894+/-0.218 χ^2/NDF : 7963.6/8

797.489+/-0.156 χ^2/NDF : 15306.2/16

797.065+/-0.223 χ^2/NDF : 7335.5/7

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -349.211+/-306.301 χ^2/NDF : 6.7/8

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

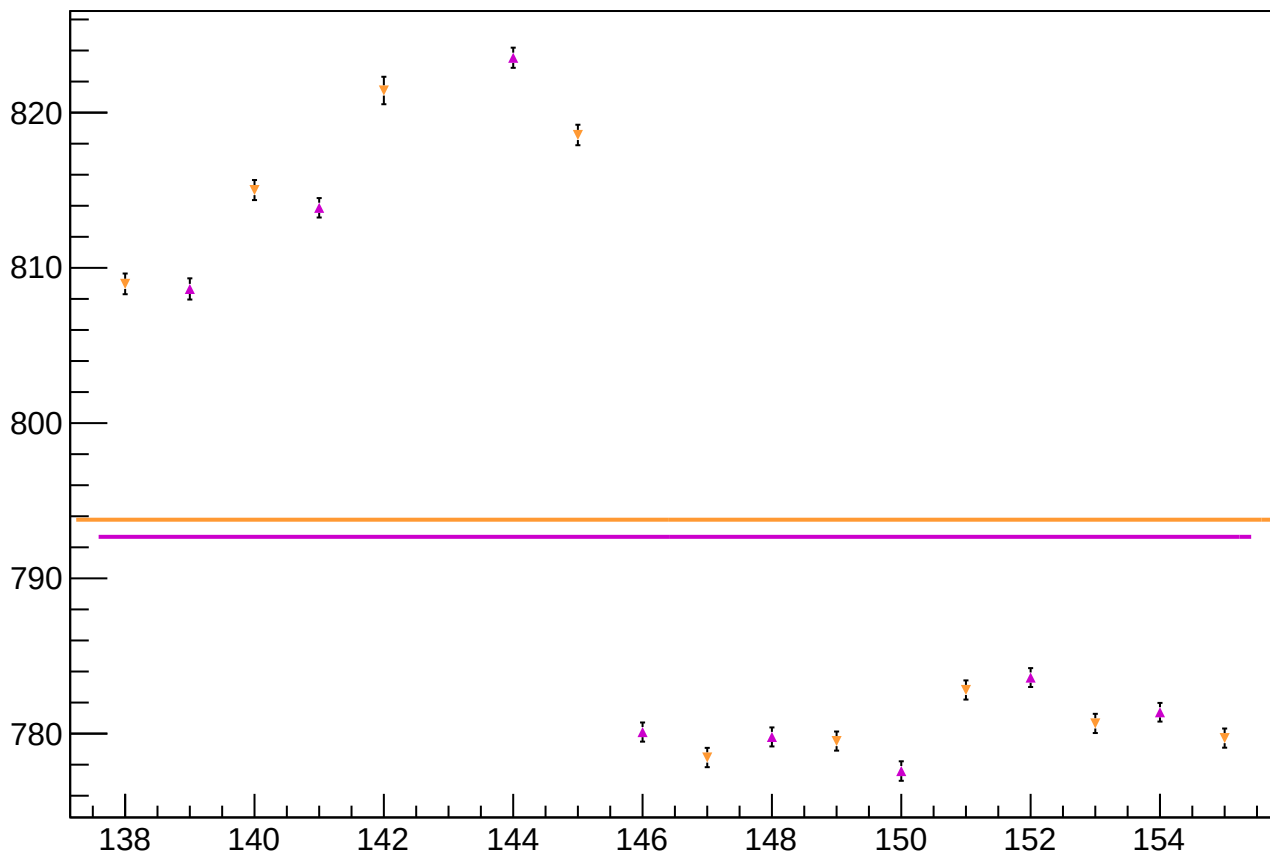
Left In: -552.283+/-313.348 χ^2/NDF : 11.0/7

-349.211+/-306.301 χ^2/NDF : 6.7/8

-448.438+/-219.036 χ^2/NDF : 17.9/16

-552.283+/-313.348 χ^2/NDF : 11.0/7

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 793.779+/-0.217 χ^2/NDF : 6417.7/8

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

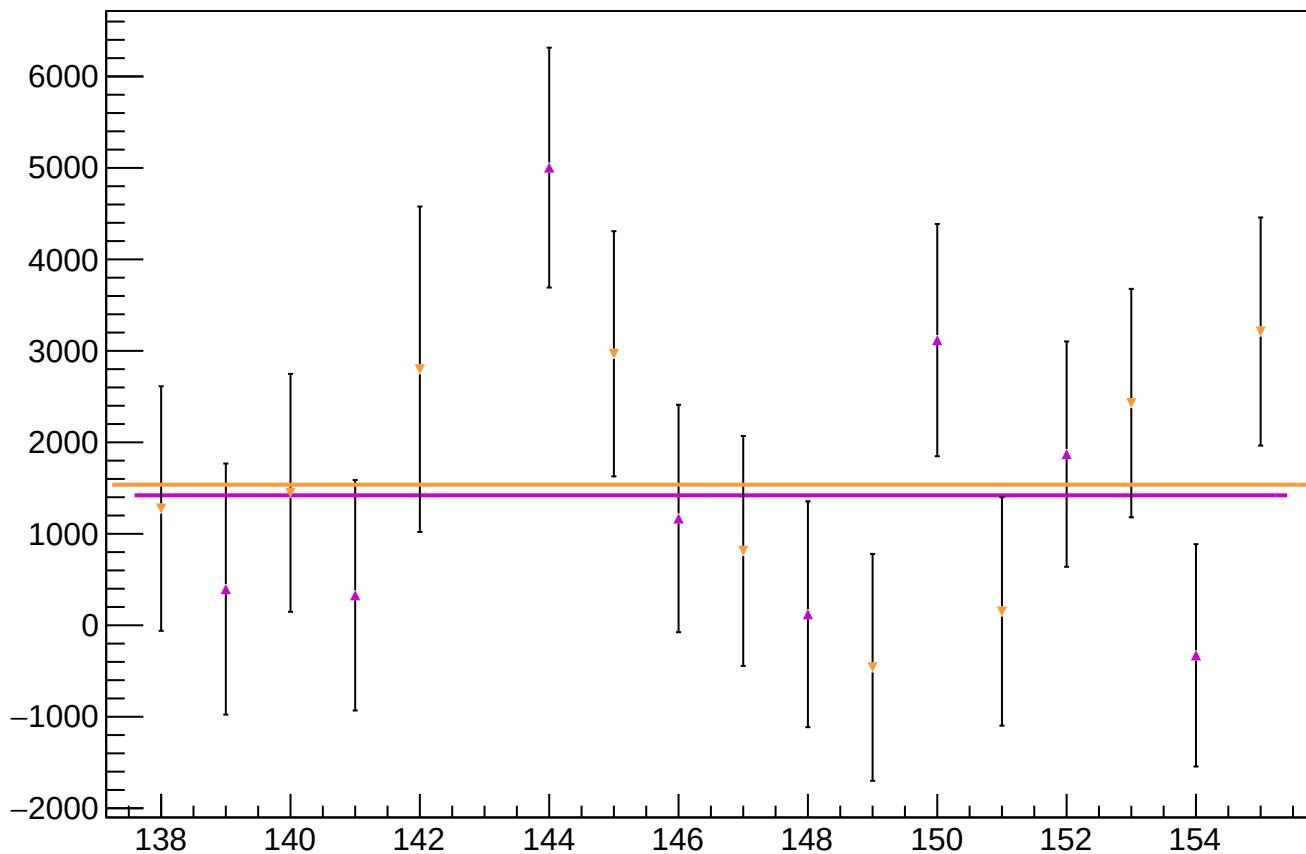
Left In: 792.676+/-0.222 χ^2/NDF : 5962.4/7

793.779+/-0.217 χ^2/NDF : 6417.7/8

793.240+/-0.155 χ^2/NDF : 12392.8/16

792.676+/-0.222 χ^2/NDF : 5962.4/7

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1536.901+/-437.153 χ^2/NDF : 8.2/8

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

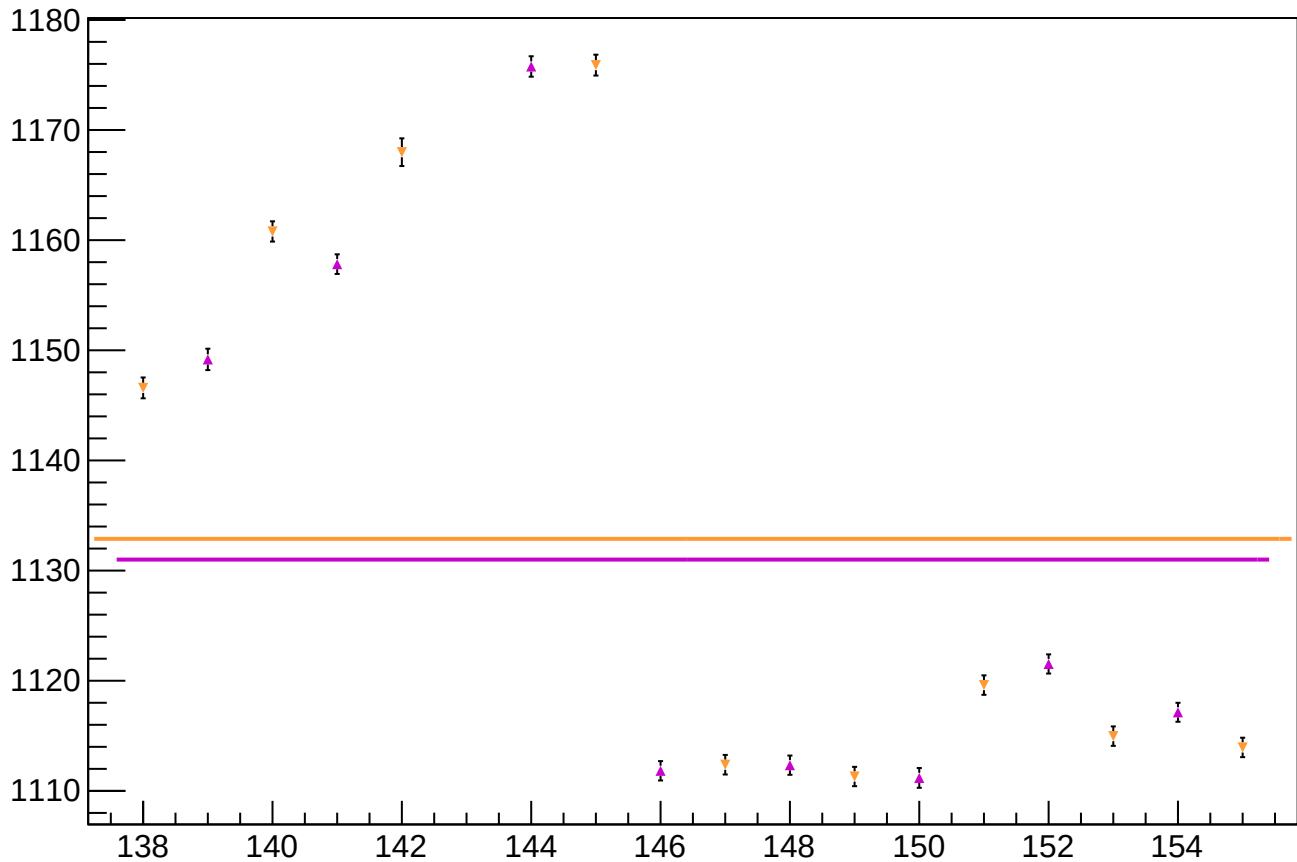
Left In: 1420.878+/-447.083 χ^2/NDF : 13.9/7

1536.901+/-437.153 χ^2/NDF : 8.2/8

1480.192+/-312.566 χ^2/NDF : 22.1/16

1420.878+/-447.083 χ^2/NDF : 13.9/7

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1132.884+/-0.309 χ^2/NDF : 6206.0/8

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

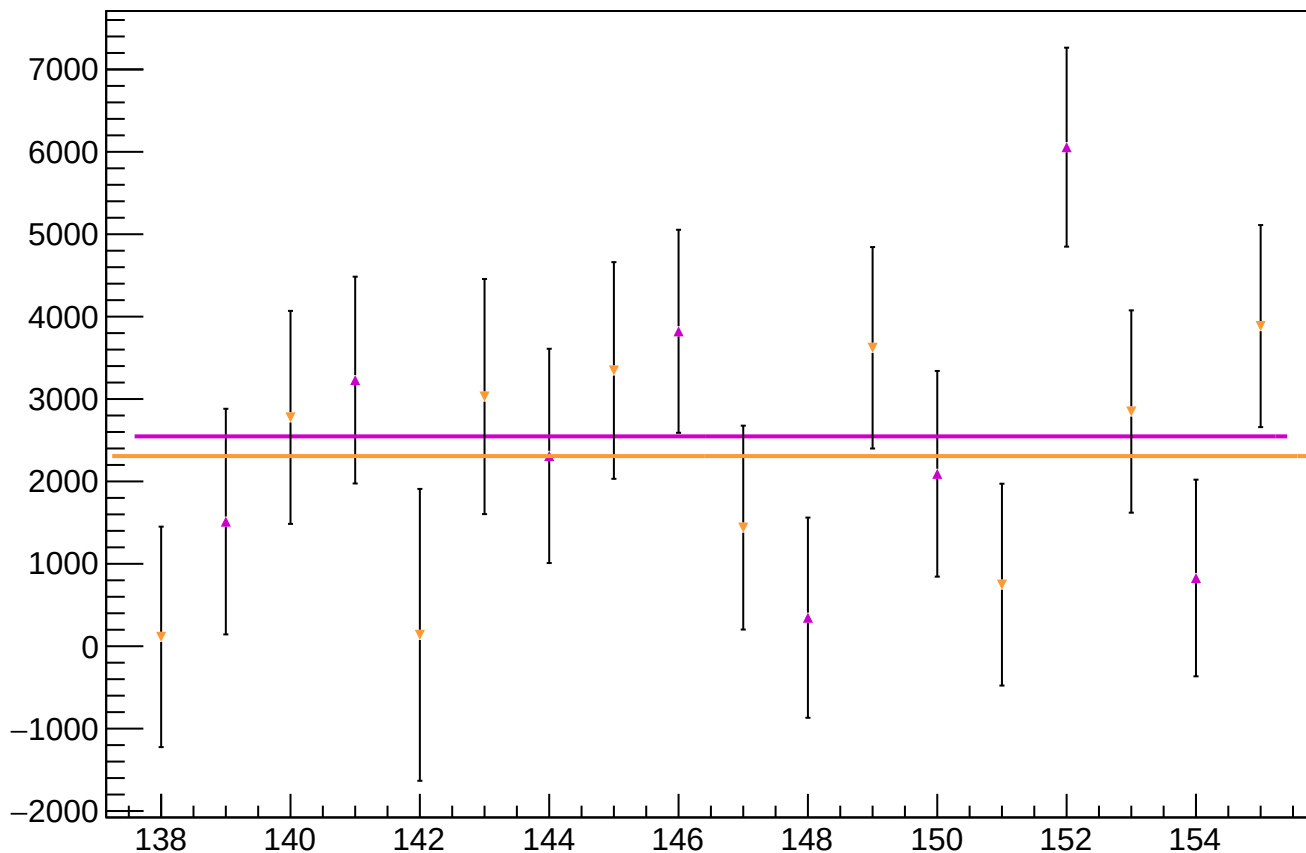
Left In: 1131.000+/-0.316 χ^2/NDF : 5388.4/7

1132.884+/-0.309 χ^2/NDF : 6206.0/8

1131.963+/-0.221 χ^2/NDF : 11612.6/16

1131.000+/-0.316 χ^2/NDF : 5388.4/7

cor_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2307.545+/-412.970 χ^2/NDF : 10.3/9

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

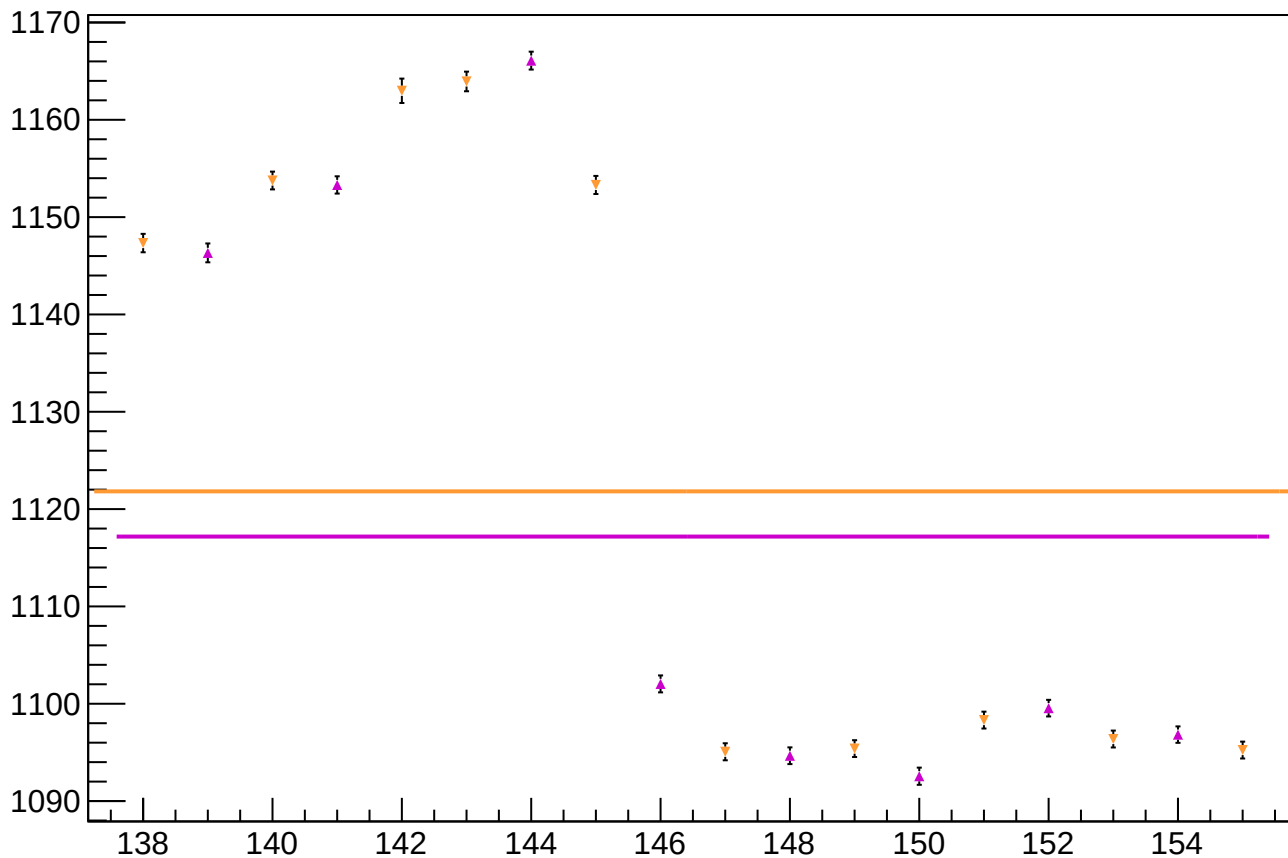
Left In: 2546.830+/-441.667 χ^2/NDF : 15.9/7

2307.545+/-412.970 χ^2/NDF : 10.3/9

2419.162+/-301.649 χ^2/NDF : 26.4/17

2546.830+/-441.667 χ^2/NDF : 15.9/7

cor_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1121.822+/-0.292 χ^2/NDF :10324.7/9

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

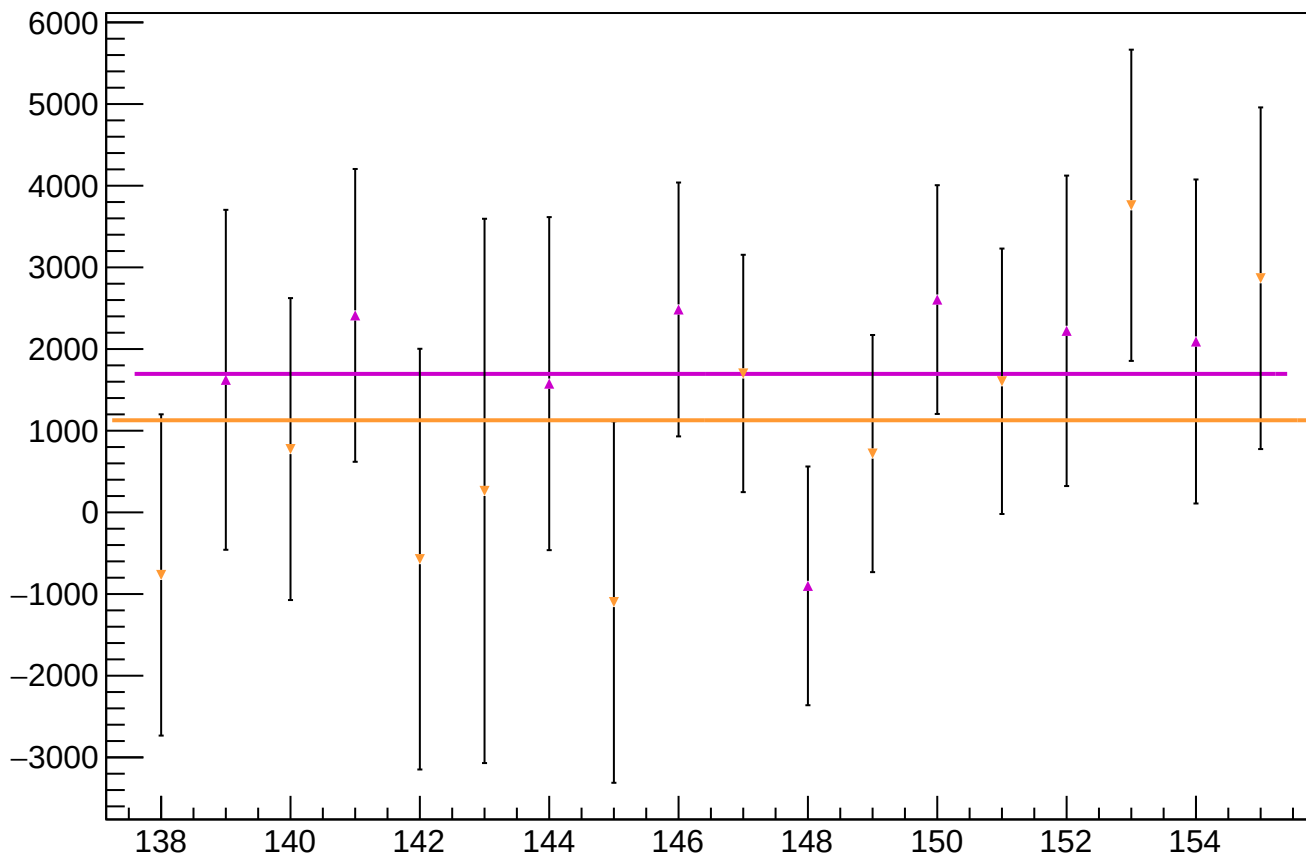
Left In: 1117.177+/-0.312 χ^2/NDF :8169.1/7

1121.822+/-0.292 χ^2/NDF : 10324.7/9

1119.655+/-0.213 χ^2/NDF : 18611.7/17

1117.177+/-0.312 χ^2/NDF : 8169.1/7

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 1127.803+/-594.807 χ^2/NDF : 5.4/9

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

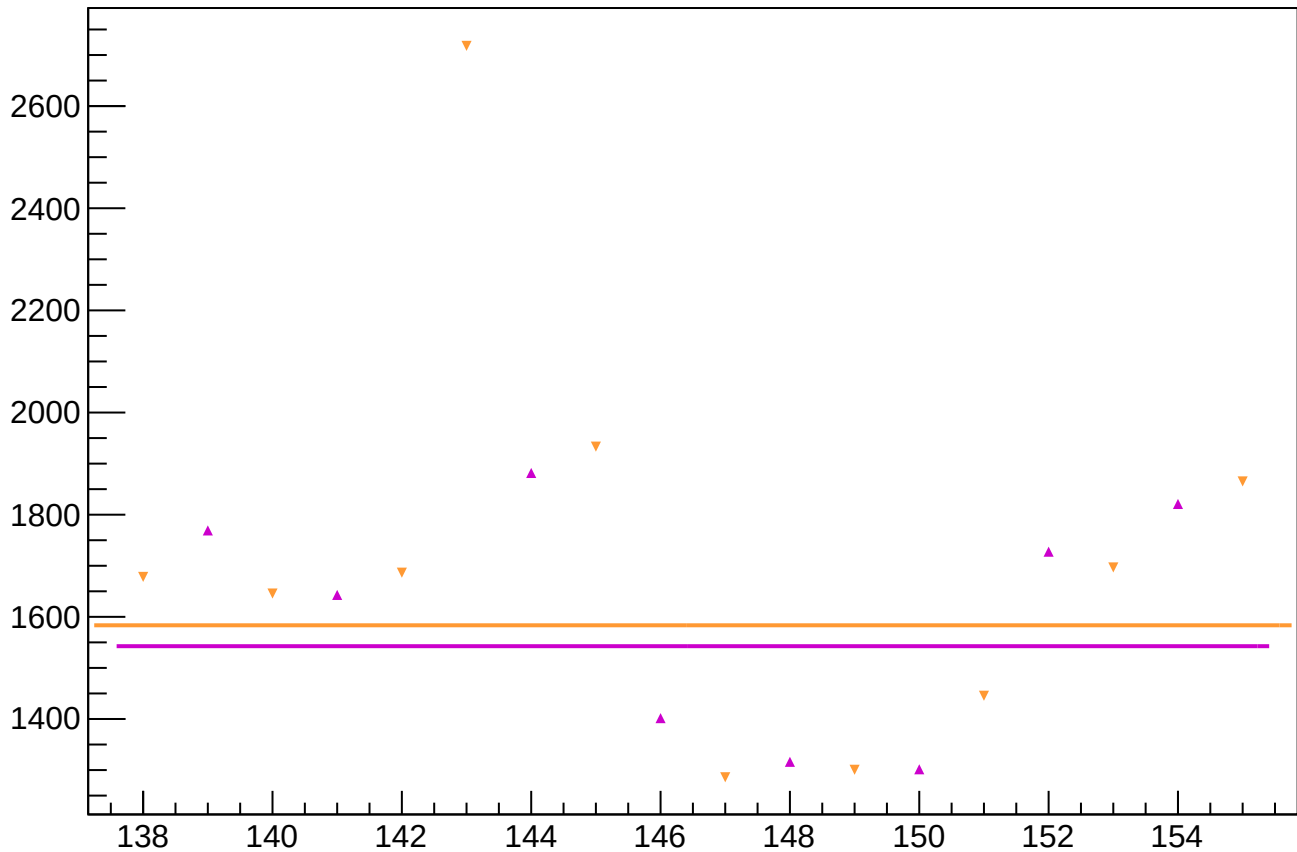
Left In: 1695.706+/-607.991 χ^2/NDF : 4.1/7

1127.803+/-594.807 χ^2/NDF : 5.4/9

1405.530+/-425.177 χ^2/NDF : 10.0/17

1695.706+/-607.991 χ^2/NDF : 4.1/7

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1583.447+/-0.421 χ^2/NDF : 509361.8/9

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

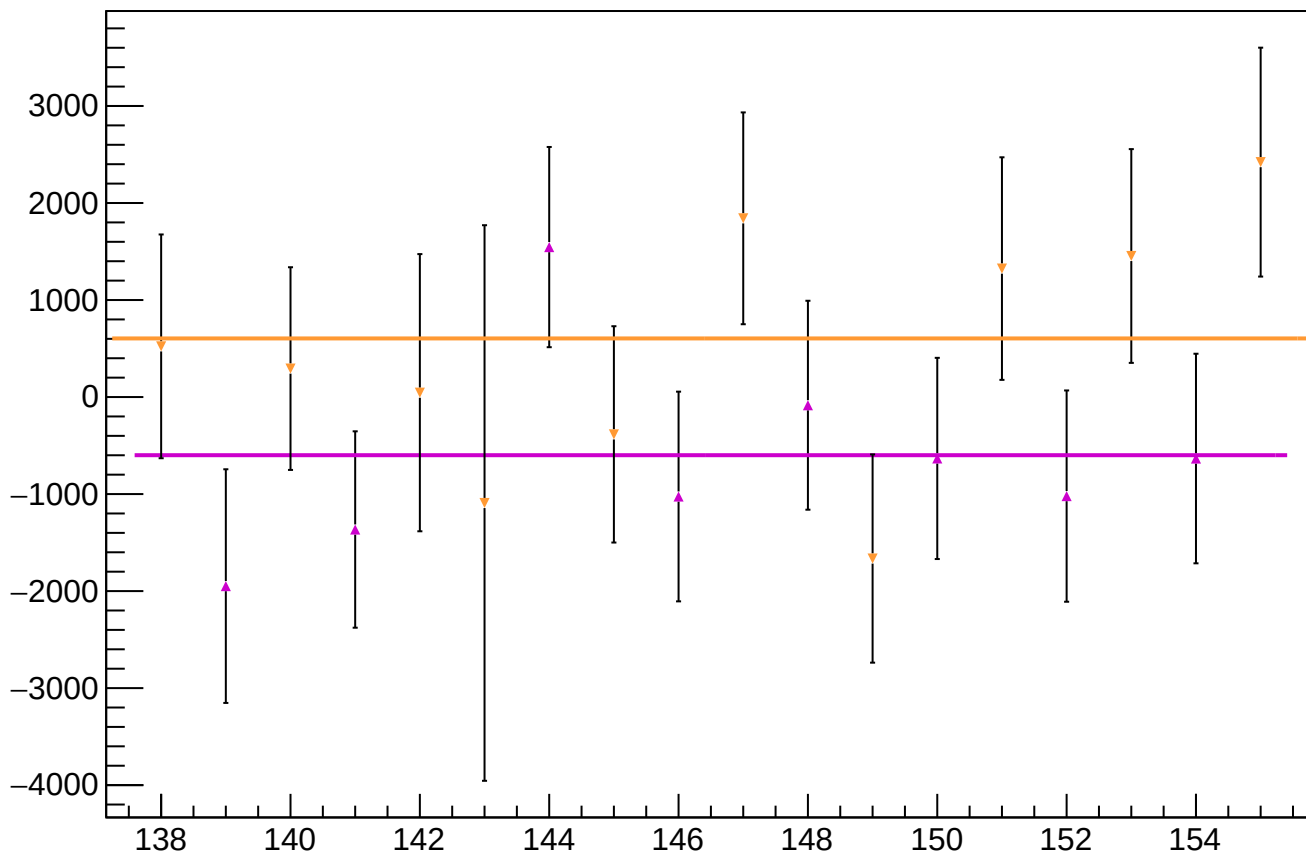
Left In: 1542.547+/-0.430 χ^2/NDF : 267307.3/7

1583.447+/-0.421 χ^2/NDF : 509361.8/9

1563.445+/-0.301 χ^2/NDF : 781293.6/17

1542.547+/-0.430 χ^2/NDF : 267307.3/7

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 604.119+/-375.422 χ^2/NDF : 10.5/9

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

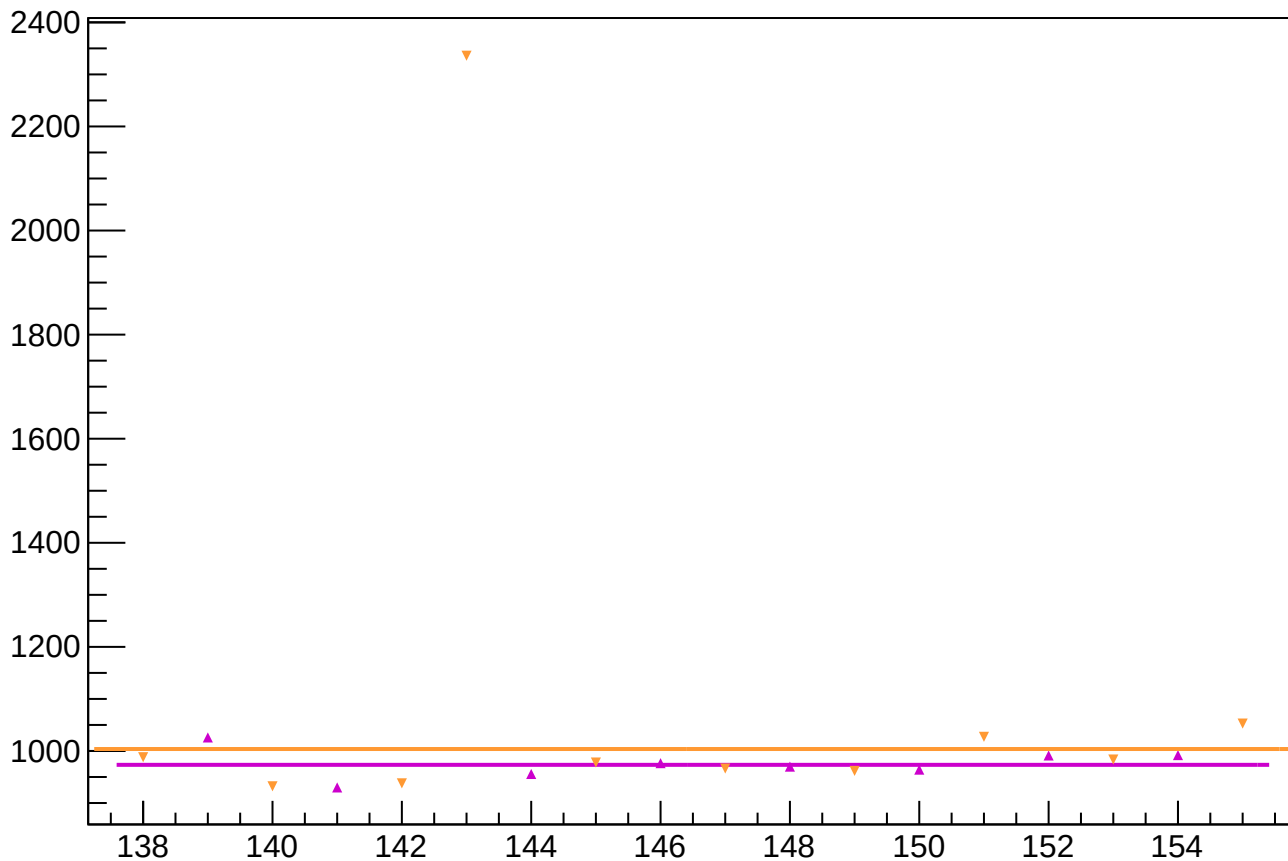
Left In: -599.339+/-379.200 χ^2/NDF : 6.7/7

604.119+/-375.422 χ^2/NDF : 10.5/9

8.414+/-266.789 χ^2/NDF : 22.3/17

-599.339+/-379.200 χ^2/NDF : 6.7/7

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 1003.754+/-0.265 χ^2/NDF : 458451.5/9

1003.754+/-0.265 χ^2/NDF : 458451.5/9

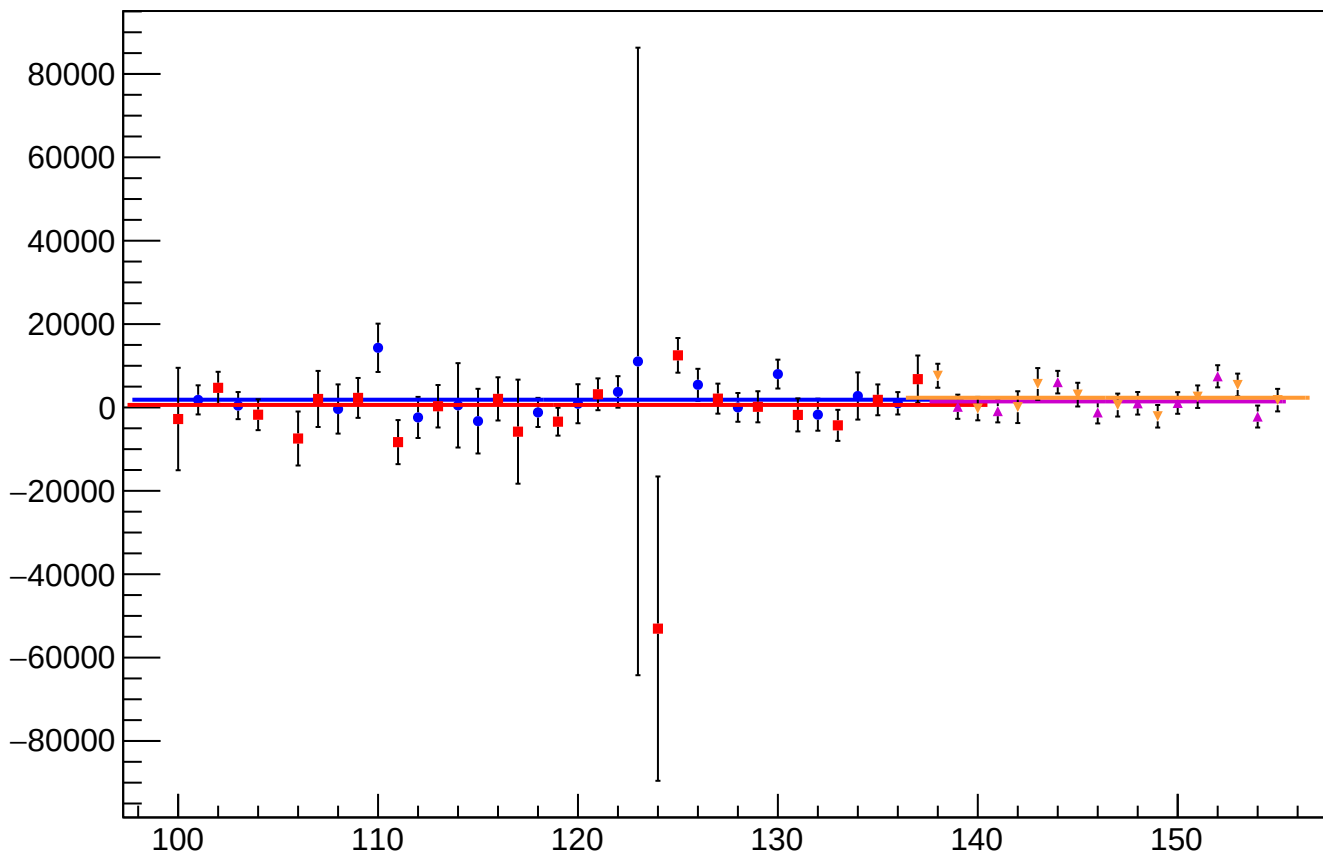
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

988.702+/-0.189 χ^2/NDF : 474367.0/17

Left In: 973.346+/-0.268 χ^2/NDF : 9420.7/7

973.346+/-0.268 χ^2/NDF : 9420.7/7

reg_asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 2332.244+/-918.201 χ^2/NDF : 9.8/9

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

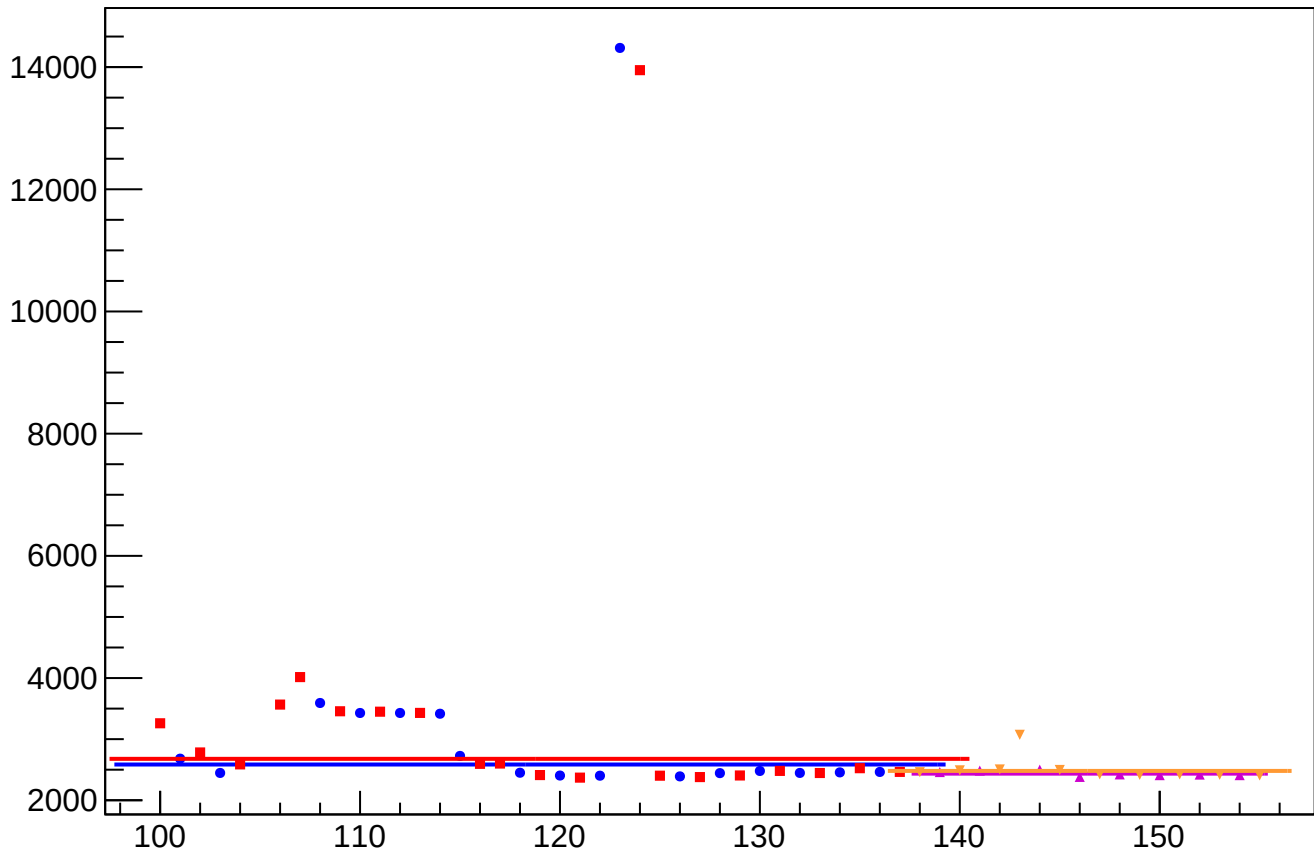
Left In: 1448.901+/-950.925 χ^2/NDF : 11.9/7

2119.244+/-680.451 χ^2/NDF : 22.5/26

1601.049+/-486.437 χ^2/NDF : 58.3/54

1059.441+/-695.654 χ^2/NDF : 34.6/27

reg_asym_atl1_rms vs Slug, Sign Corrected



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

Left Out: 2480.107+/-0.649 χ^2 /NDF: 53948.7/9

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

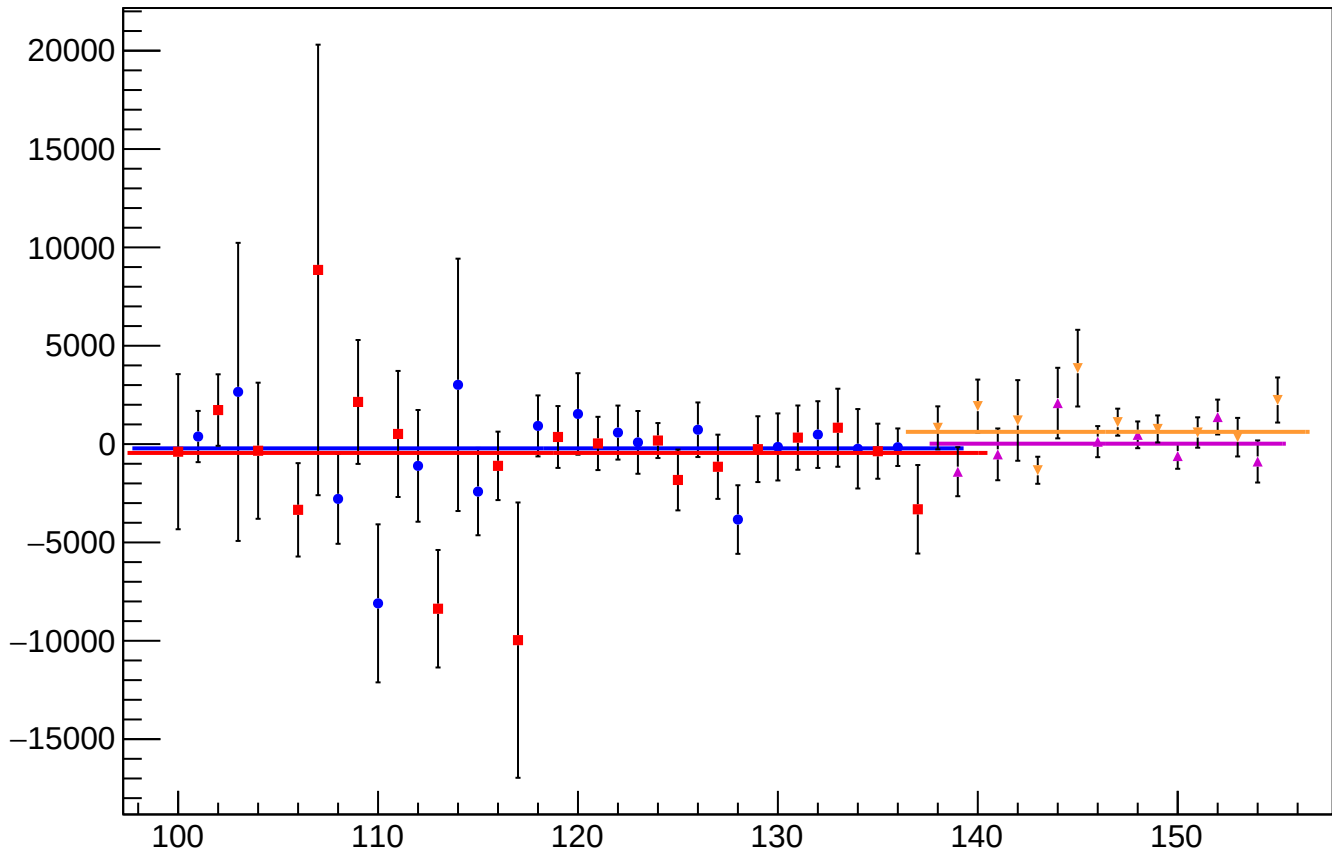
Left In: 2435.652+/-0.672 χ^2 /NDF: 3272.7/7

2527.312+/-0.481 χ^2 /NDF: 321385.1/26

2537.510+/-0.344 χ^2 /NDF: 917988.1/54

2548.168+/-0.492 χ^2 /NDF: 595684.4/27

asym_atl1_correction_mean vs Slug, Sign Corrected



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

Left Out: 622.361+/-292.080 χ^2/NDF : 14.5/9

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

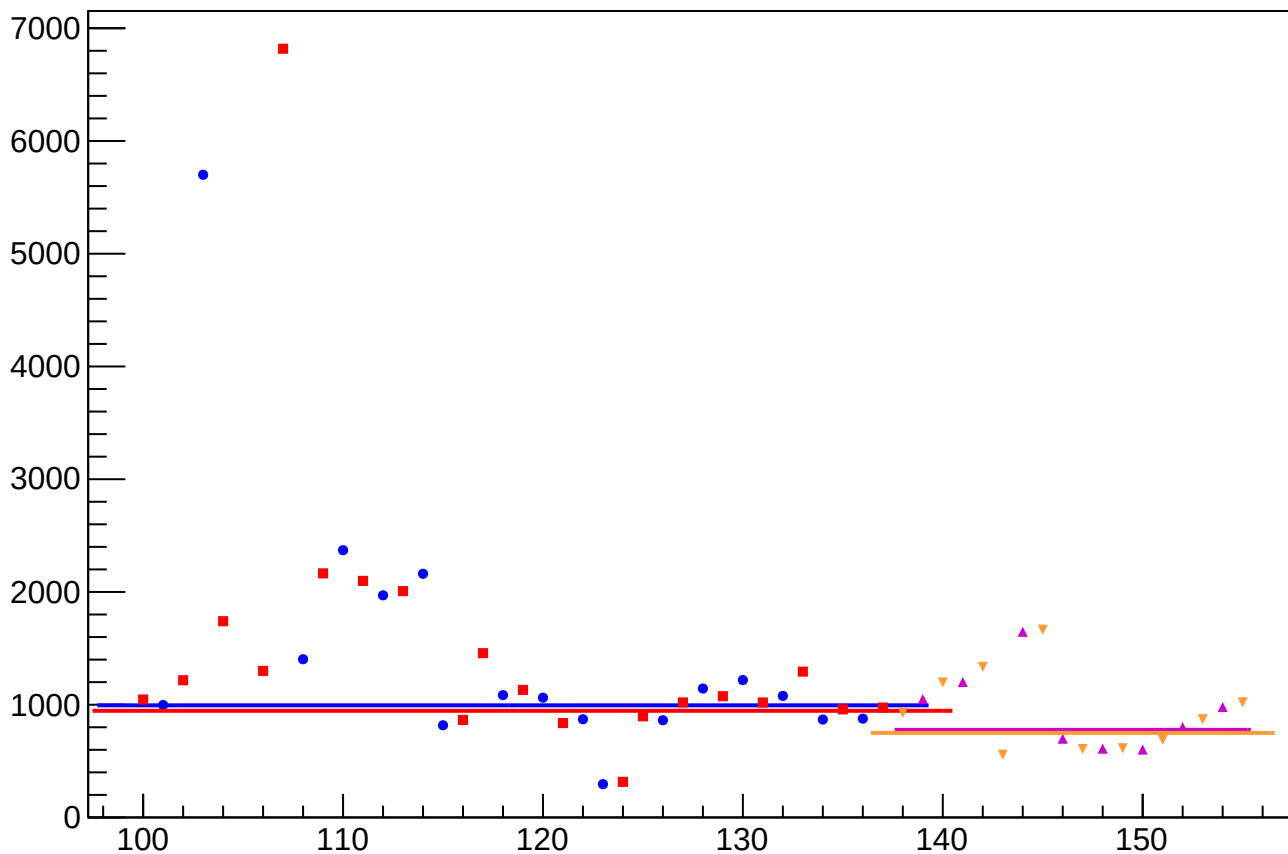
Left In: 20.515+/-319.168 χ^2/NDF : 7.2/7

348.814+/-239.810 χ^2/NDF : 30.6/26

107.486+/-173.541 χ^2/NDF : 58.3/54

-157.844+/-251.452 χ^2/NDF : 25.6/27

asym_atl1_correction_rms vs Slug, Sign Corrected



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

Left Out: 750.101 $\pm$ 0.207 χ^2/NDF : 1356388.4/9

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

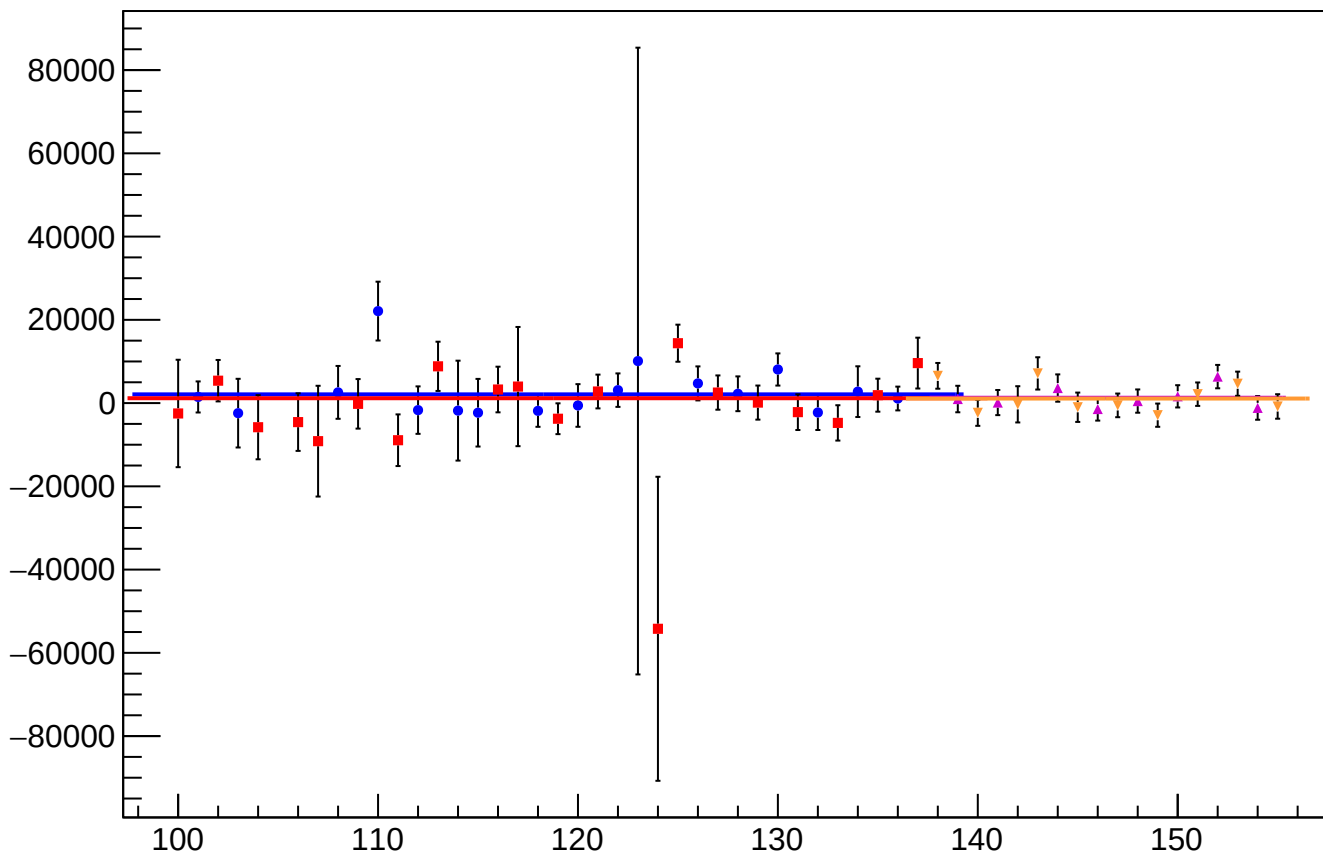
Left In: 776.880 $\pm$ 0.226 χ^2/NDF : 1132603.0/7

829.762 $\pm$ 0.170 χ^2/NDF : 3717441.8/26

835.135 $\pm$ 0.123 χ^2/NDF : 7741942.3/54

841.041 $\pm$ 0.178 χ^2/NDF : 4022393.2/27

asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 1090.843+/-990.847 χ^2/NDF : 11.6/9

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

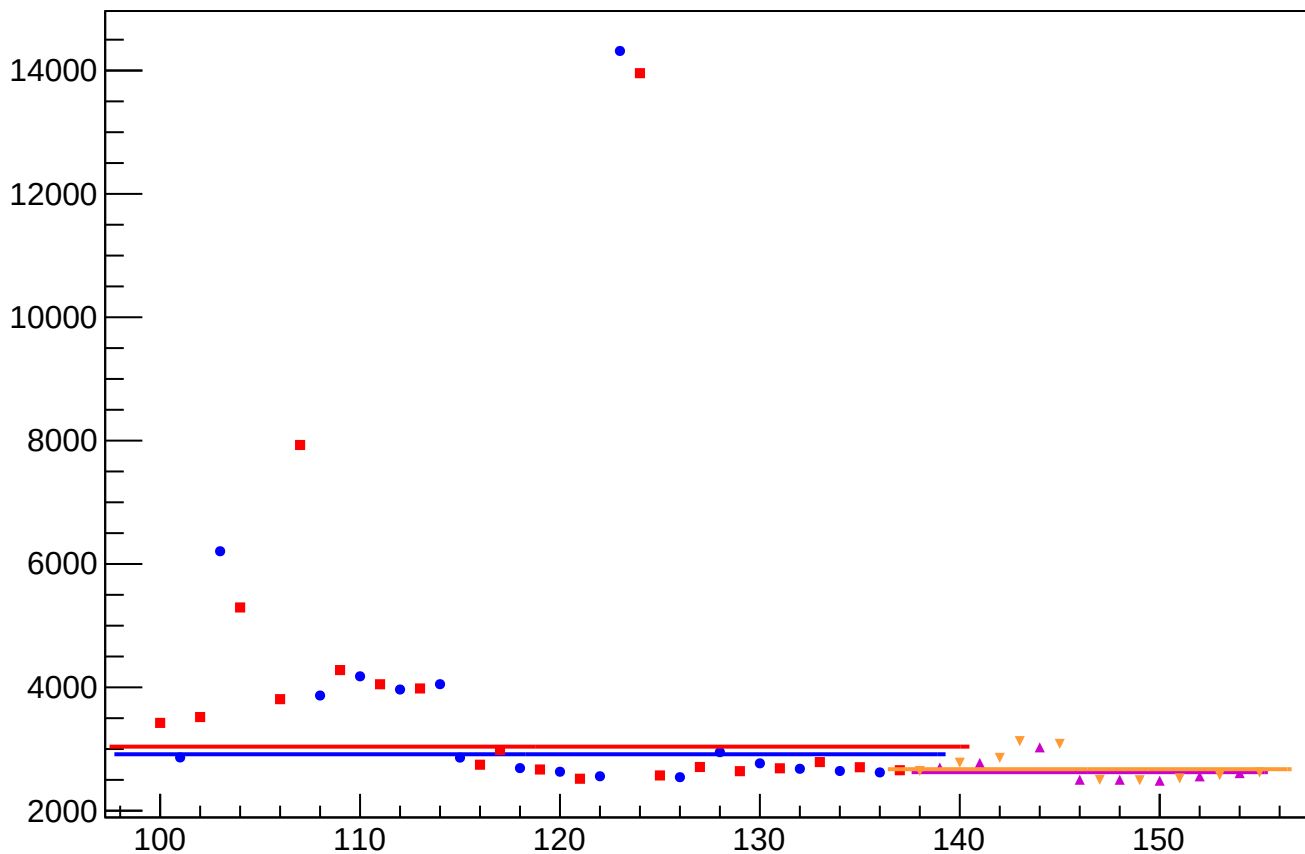
Left In: 1281.265+/-1026.870 χ^2/NDF : 5.7/7

1513.855+/-753.526 χ^2/NDF : 26.7/26

1377.057+/-540.411 χ^2/NDF : 57.6/54

1232.179+/-775.460 χ^2/NDF : 30.9/27

asym_atl1_rms vs Slug, Sign Corrected



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

Left Out: 2672.881+/-0.701 χ^2/NDF : 84654.3/9

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

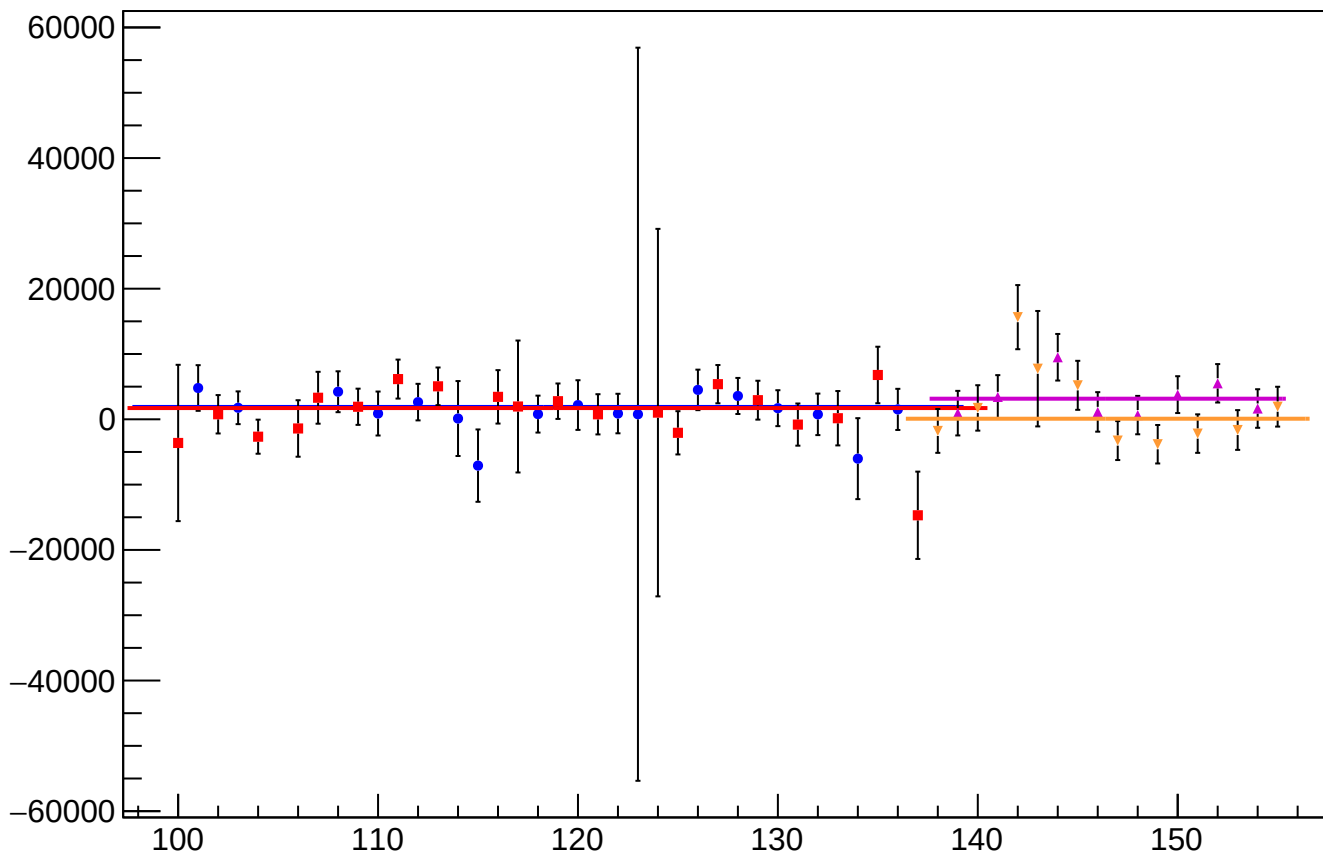
Left In: 2625.020+/-0.726 χ^2/NDF : 50361.4/7

2775.057+/-0.533 χ^2/NDF : 774228.7/26

2788.537+/-0.382 χ^2/NDF : 1976843.7/54

2802.813+/-0.548 χ^2/NDF : 1201297.2/27

reg_asym_atl2_mean vs Slug, Sign Corrected



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

Left Out: 89.467 $\pm$ 1081.502 χ^2 /NDF: 17.5/9

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

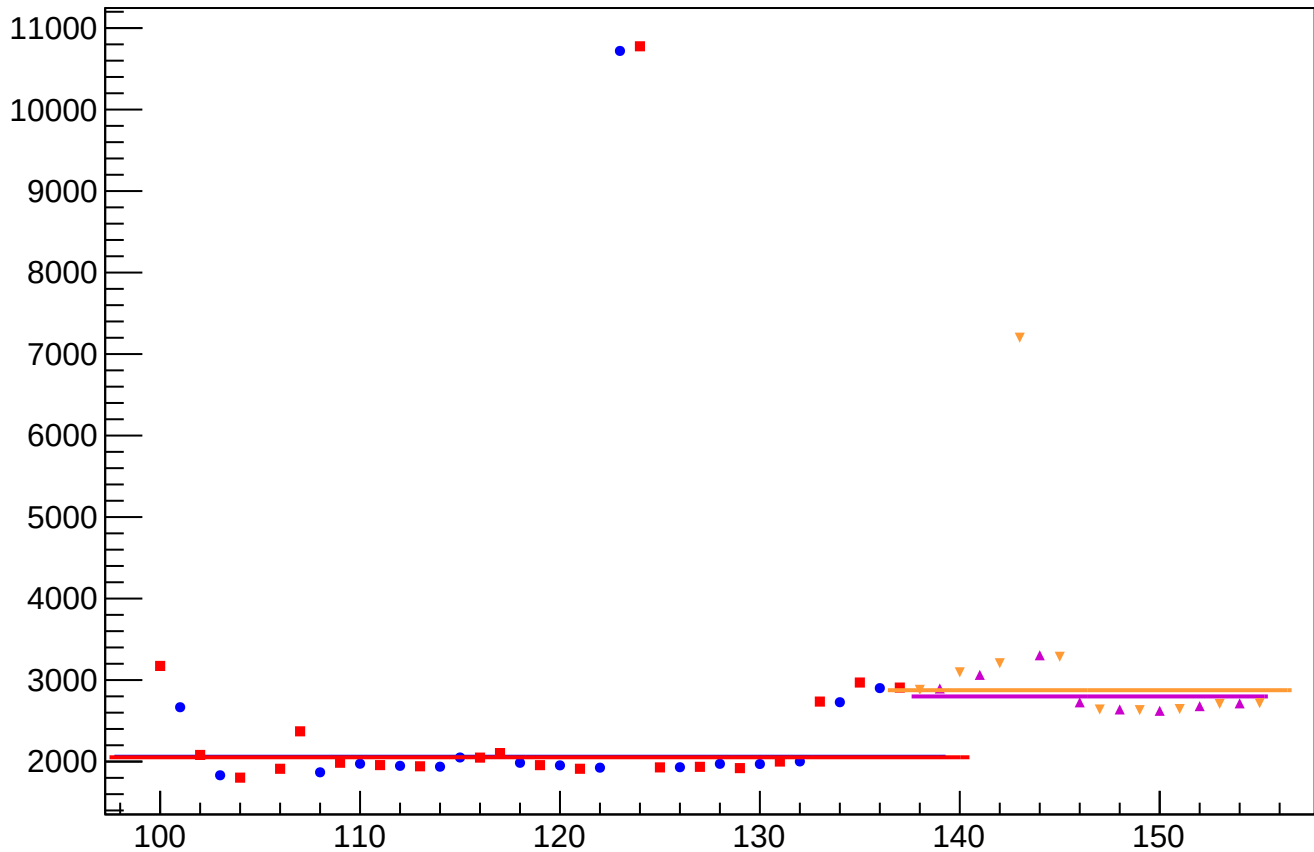
Left In: 3154.336 $\pm$ 1094.163 χ^2 /NDF: 5.7/7

1241.461 $\pm$ 649.057 χ^2 /NDF: 26.5/26

1733.091 $\pm$ 455.455 χ^2 /NDF: 53.5/54

2210.013 $\pm$ 639.274 χ^2 /NDF: 25.8/27

reg_asym_atl2_rms vs Slug, Sign Corrected



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

Left Out: 2875.509 ± 0.765 $\chi^2/\text{NDF}: 570265.8/9$

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

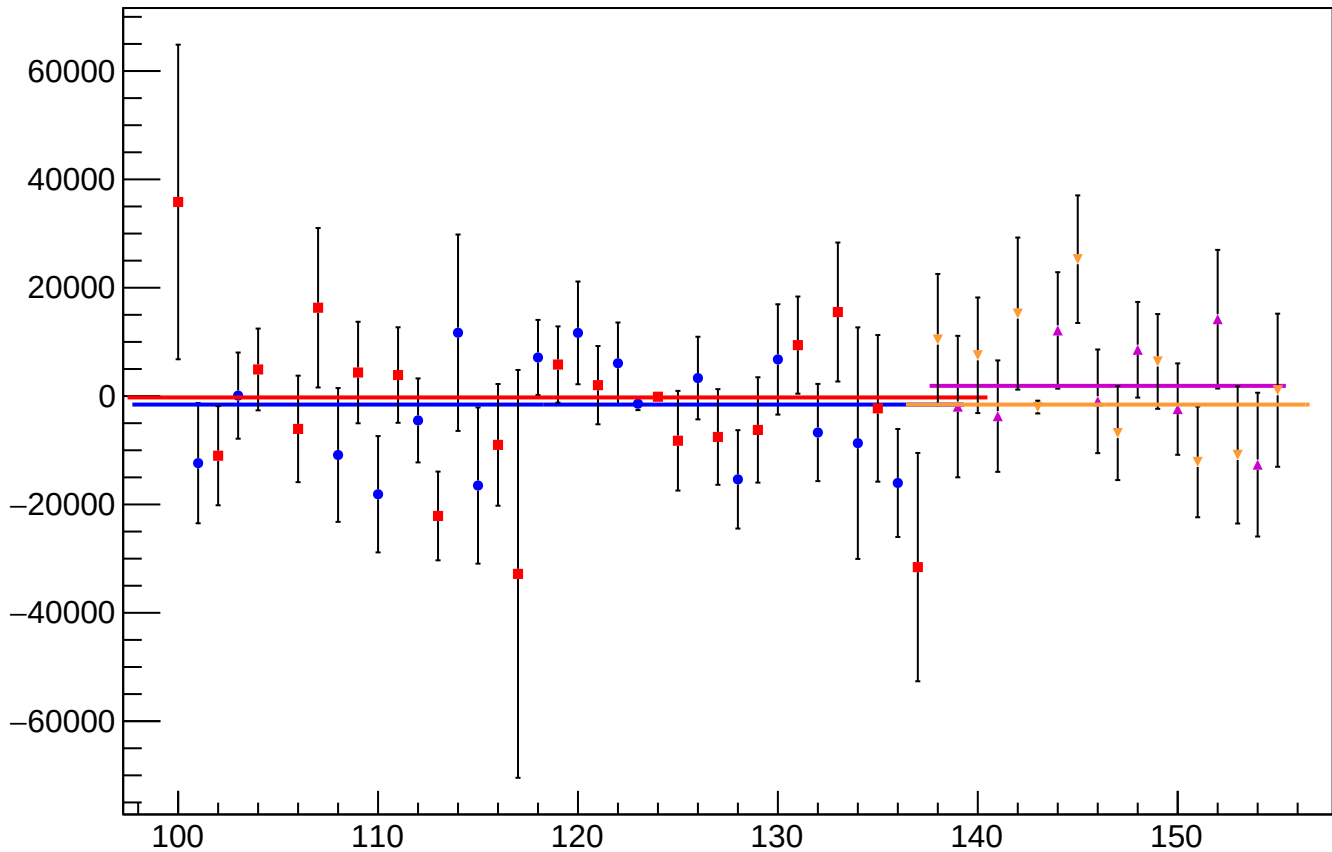
Left In: 2799.016 ± 0.774 $\chi^2/\text{NDF}: 74104.7/7$

2353.061 ± 0.459 $\chi^2/\text{NDF}: 1618282.7/26$

2329.872 ± 0.322 $\chi^2/\text{NDF}: 2753856.2/54$

2307.378 ± 0.452 $\chi^2/\text{NDF}: 1130544.5/27$

asym_atl2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1565.240 ± 1125.061 $\chi^2/\text{NDF}: 11.3/9$

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

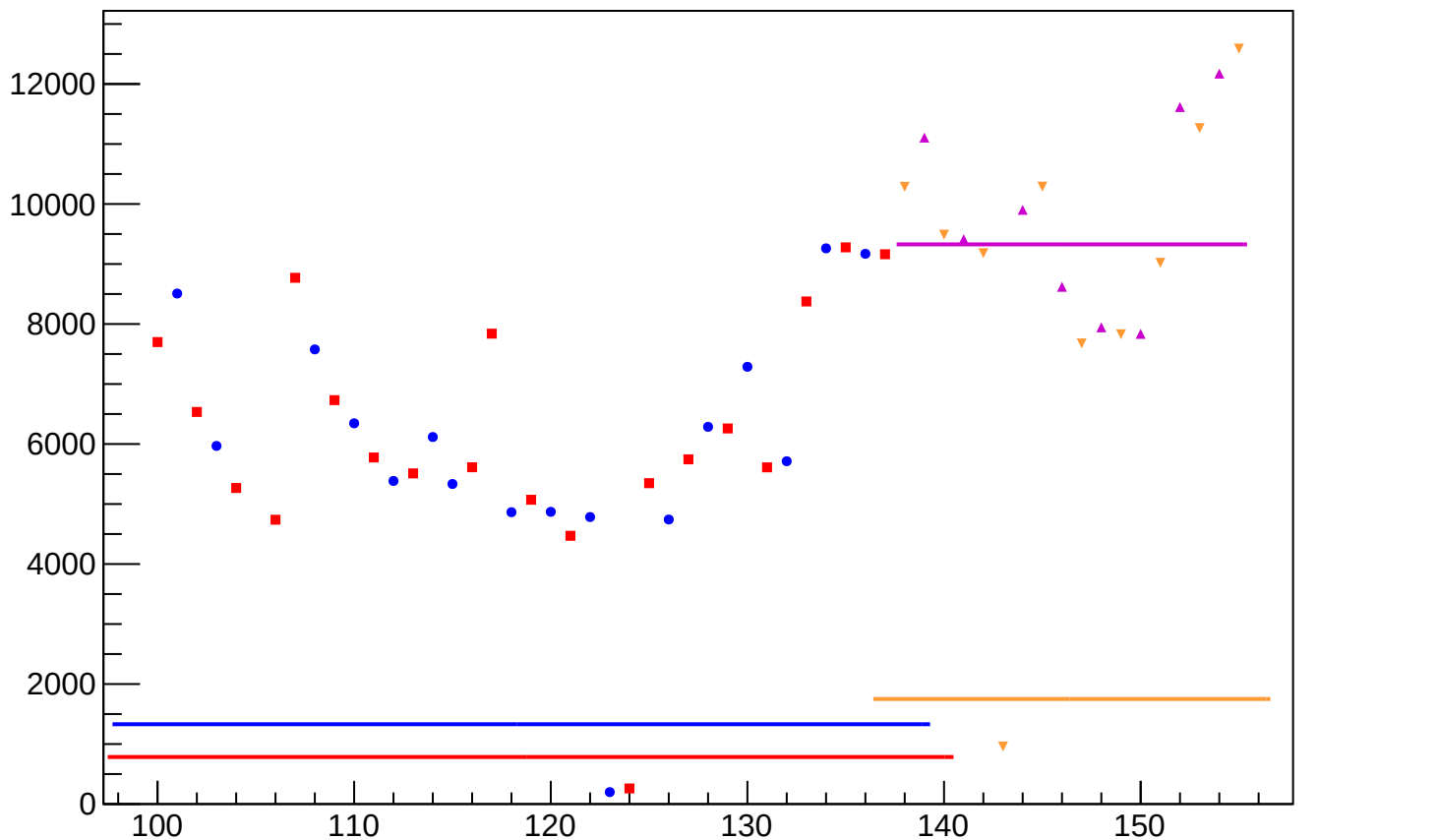
Left In: 1890.691 ± 3686.676 $\chi^2/\text{NDF}: 4.3/7$

-1564.163 ± 769.165 $\chi^2/\text{NDF}: 27.5/26$

-786.858 ± 510.719 $\chi^2/\text{NDF}: 55.6/54$

-173.923 ± 683.016 $\chi^2/\text{NDF}: 26.2/27$

asym_atl2_correction_rms vs Slug, Sign Corrected



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

Left Out: 1751.273+/-0.796 χ^2/NDF : 9770244.0/9

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

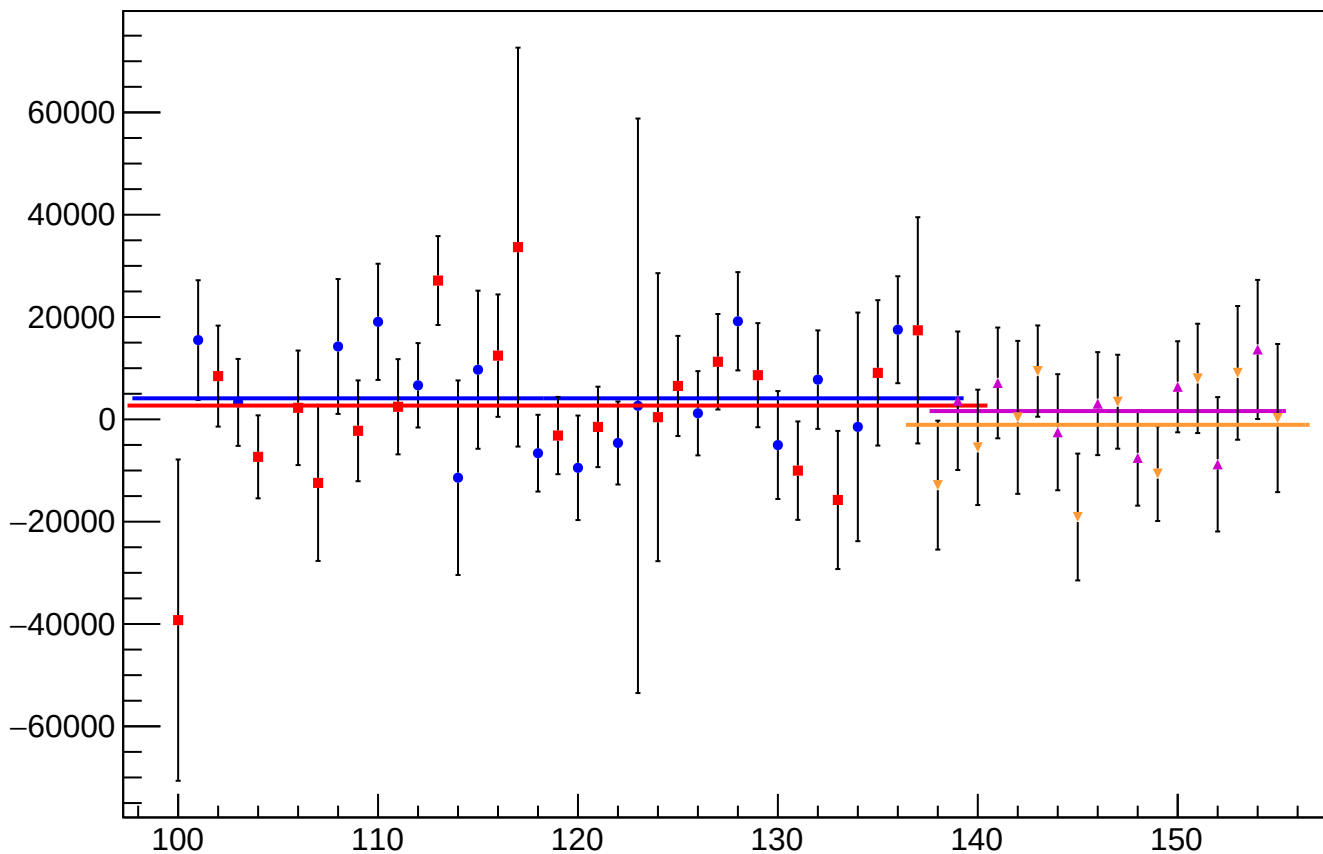
Left In: 9327.130+/-2.607 χ^2/NDF : 321562.8/7

1527.035+/-0.544 χ^2/NDF : 19966246.9/26

1275.680+/-0.361 χ^2/NDF : 42550501.8/5

1077.476+/-0.483 χ^2/NDF : 22202252.0/27

asym_atl2_mean vs Slug, Sign Corrected



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

Left Out: -1066.787 $\pm$ 3522.130 χ^2 /NDF: 7.2/9

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

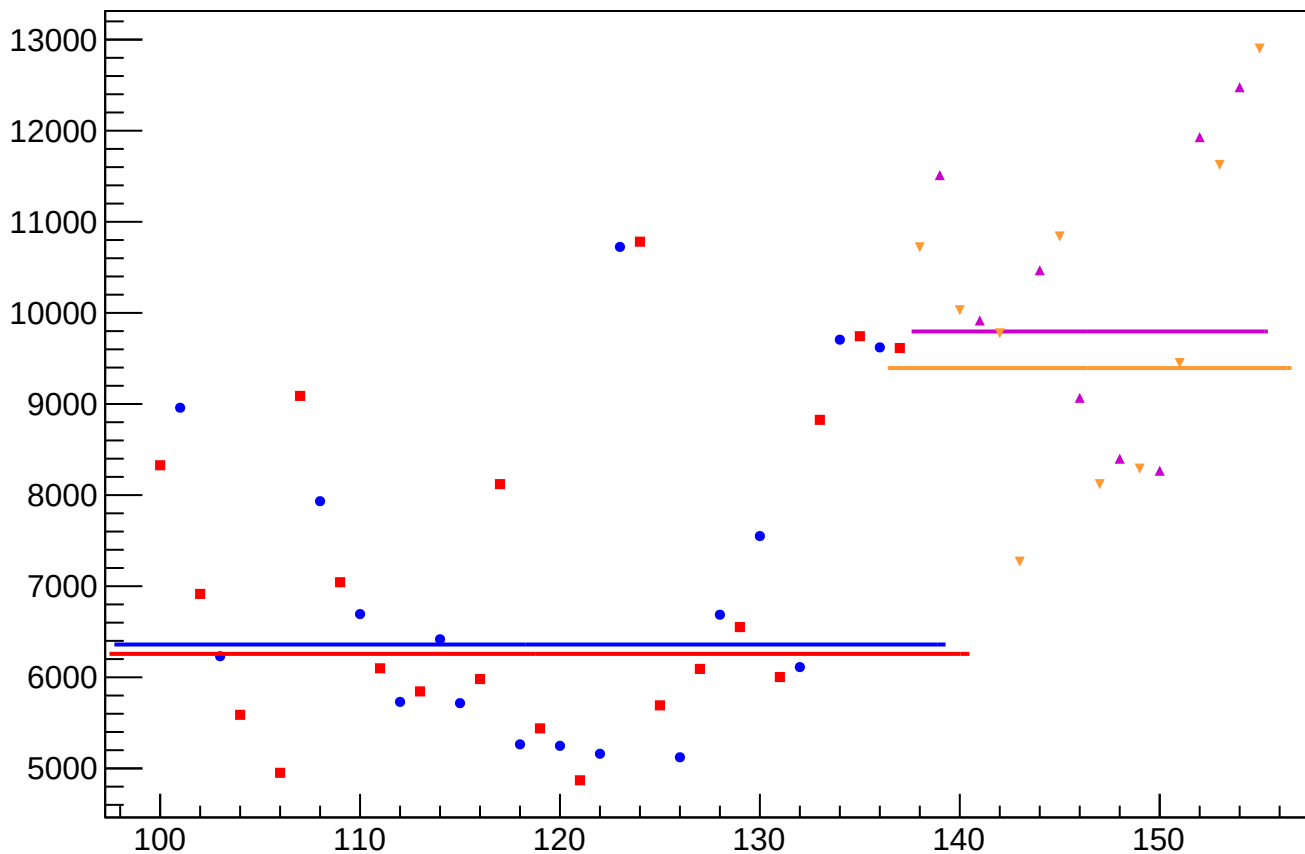
Left In: 1620.728 $\pm$ 3865.595 χ^2 /NDF: 3.1/7

2345.126 $\pm$ 2057.201 χ^2 /NDF: 22.9/26

2370.058 $\pm$ 1451.631 χ^2 /NDF: 46.7/54

2394.783 $\pm$ 2048.659 χ^2 /NDF: 23.7/27

asym_atl2_rms vs Slug, Sign Corrected



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

Left Out: 9394.781 $\pm$ 2.491 χ^2 /NDF: 412950.7/9

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

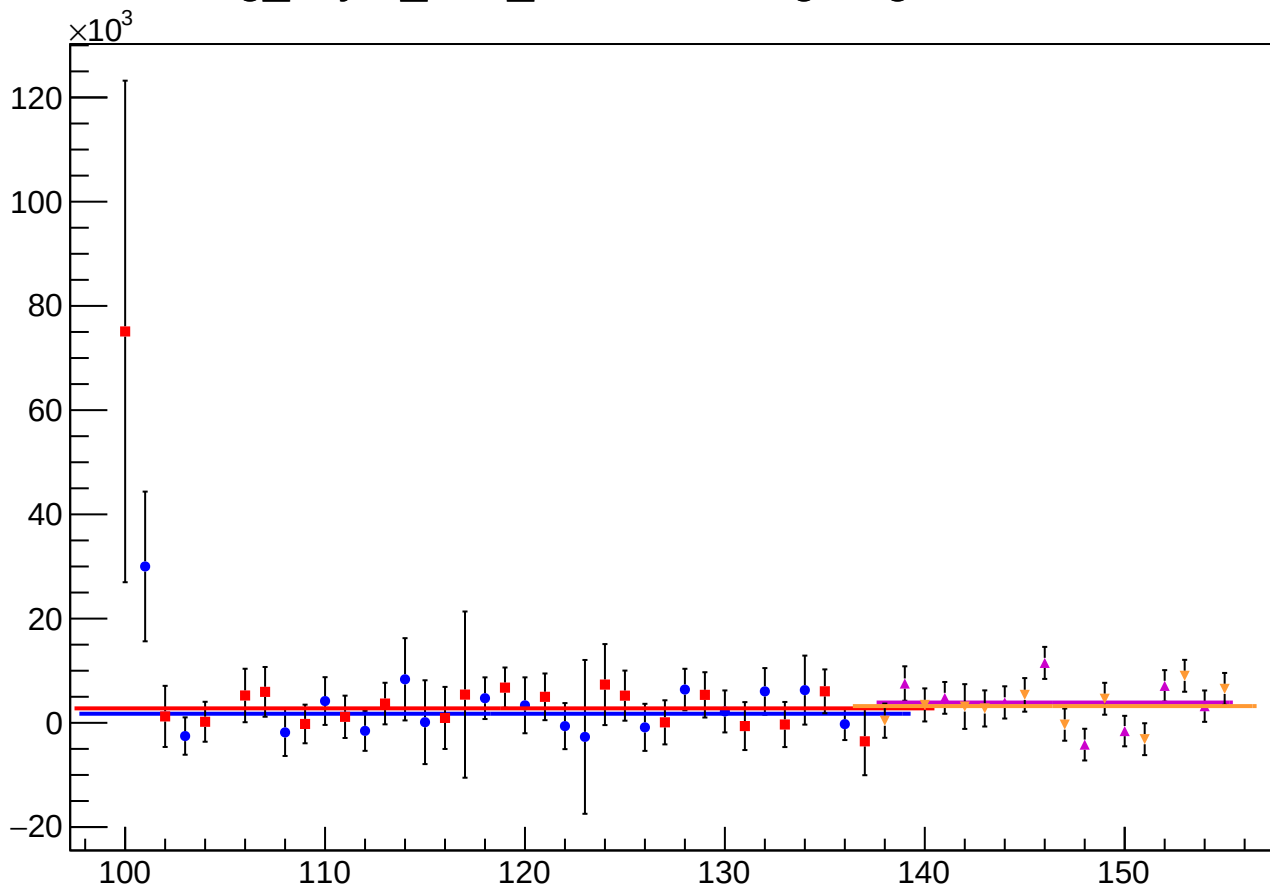
Left In: 9796.070 $\pm$ 2.733 χ^2 /NDF: 284134.9/7

7395.255 $\pm$ 1.455 χ^2 /NDF: 1971748.2/26

7322.886 $\pm$ 1.026 χ^2 /NDF: 4003781.4/54

7251.122 $\pm$ 1.449 χ^2 /NDF: 2027103.8/27

reg_asym_atr1_mean vs Slug, Sign Corrected



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

Left Out: 3212.267 $\pm$ 1021.596 χ^2 /NDF: 11.8/9

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

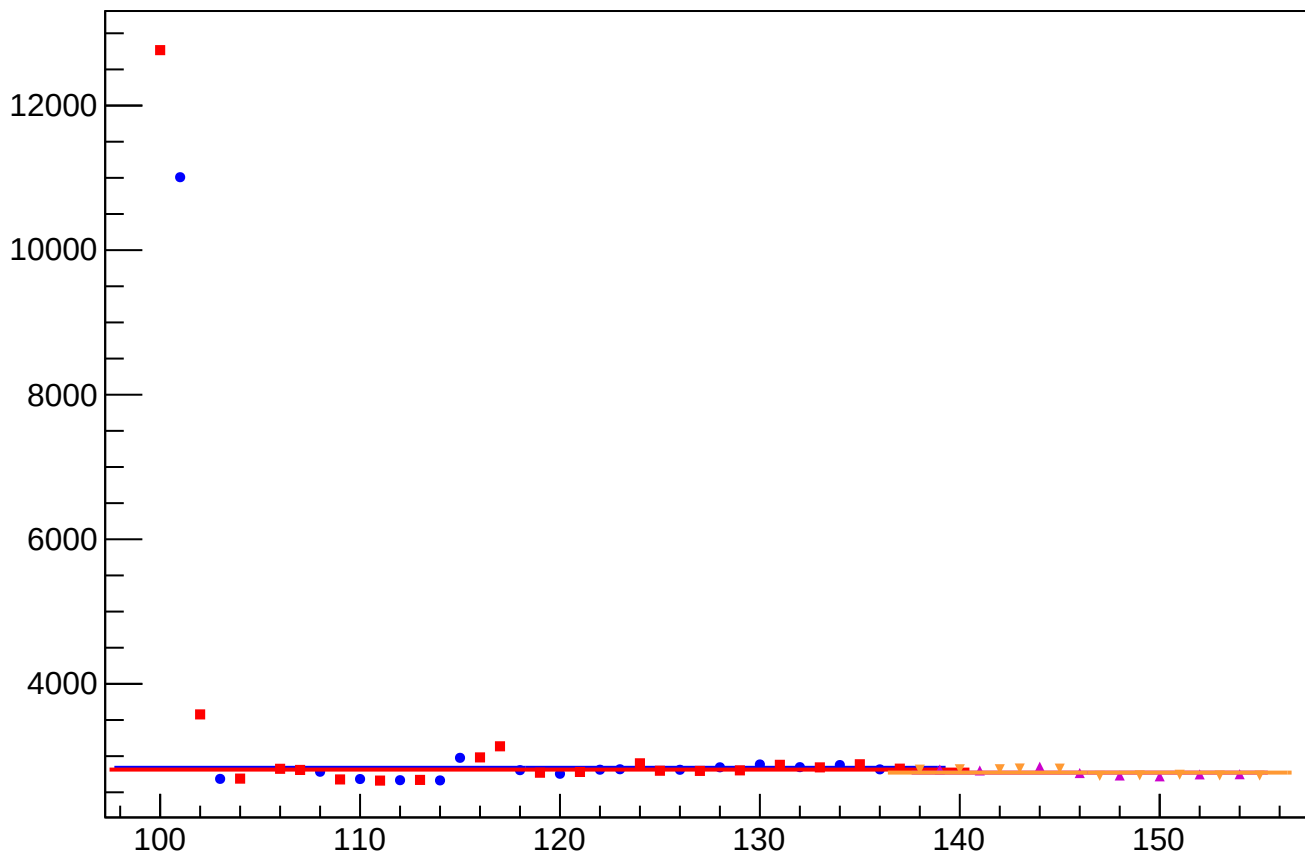
Left In: 3896.012 $\pm$ 1081.661 χ^2 /NDF: 19.2/7

2551.872 $\pm$ 757.366 χ^2 /NDF: 25.0/26

2939.110 $\pm$ 536.652 χ^2 /NDF: 54.9/54

3329.587 $\pm$ 760.526 χ^2 /NDF: 29.4/27

reg_asym_atr1_rms vs Slug, Sign Corrected



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

Left Out: 2772.550+/-0.722 χ^2/NDF : 3705.4/9

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

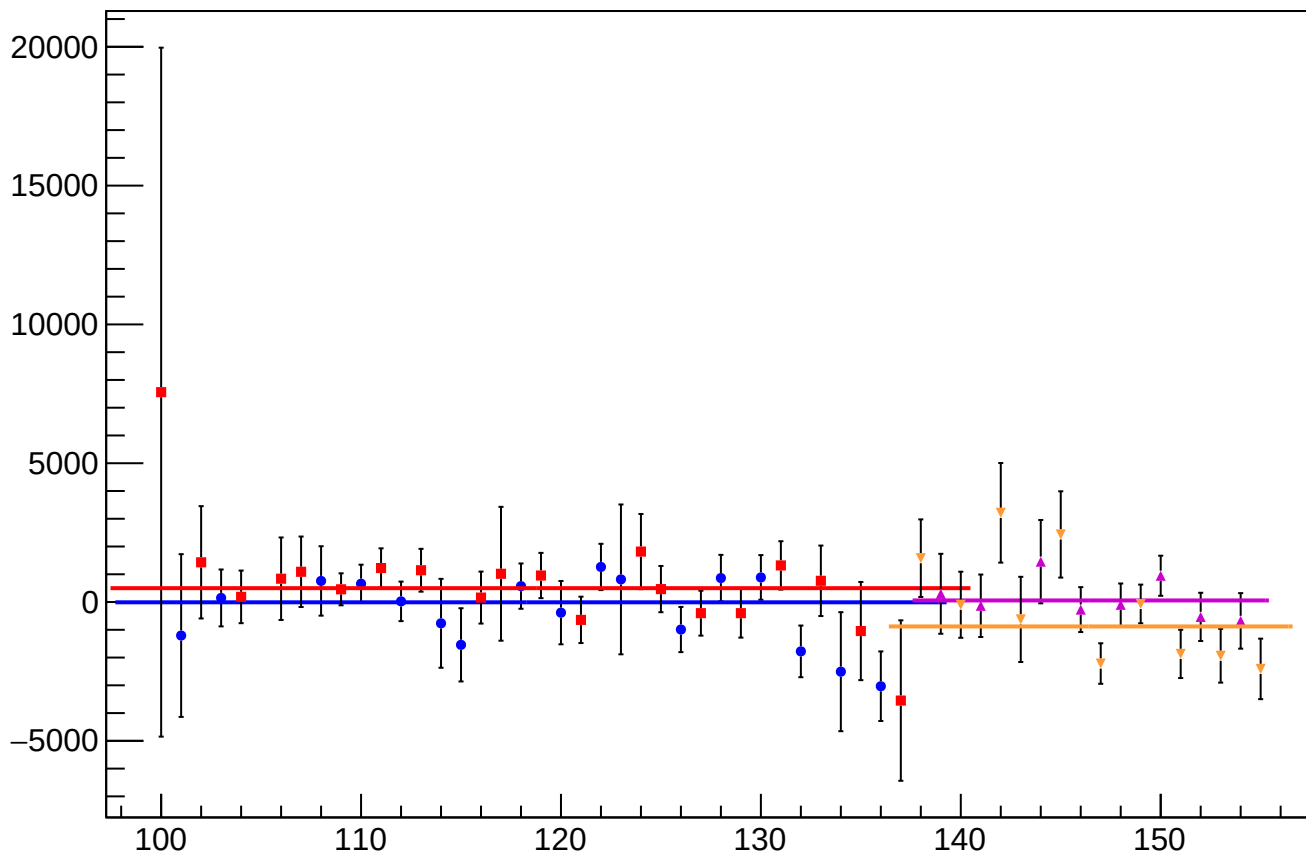
Left In: 2771.884+/-0.765 χ^2/NDF : 3144.1/7

2802.360+/-0.536 χ^2/NDF : 667695.8/26

2797.810+/-0.379 χ^2/NDF : 806407.8/54

2793.221+/-0.538 χ^2/NDF : 138567.0/27

asym_atr1_correction_mean vs Slug, Sign Corrected



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

Left Out: -878.762 ± 323.837 $\chi^2/\text{NDF}: 22.5/9$

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

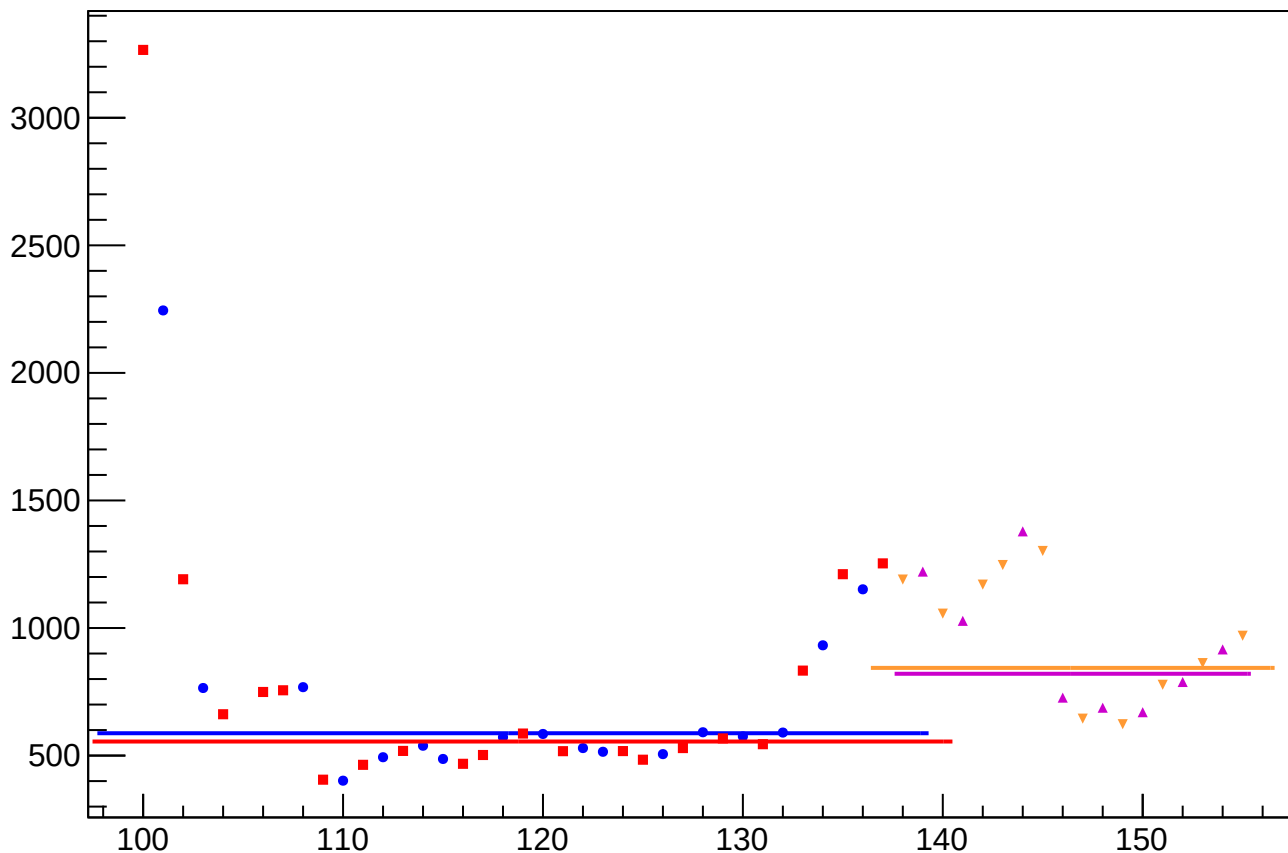
Left In: 57.462 ± 329.895 $\chi^2/\text{NDF}: 3.7/7$

-320.676 ± 193.686 $\chi^2/\text{NDF}: 47.8/26$

39.903 ± 133.154 $\chi^2/\text{NDF}: 71.2/54$

363.037 ± 183.354 $\chi^2/\text{NDF}: 16.8/27$

asym_atr1_correction_rms vs Slug, Sign Corrected



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

Left Out: 843.733+/-0.229 χ^2/NDF : 953577.7/9

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

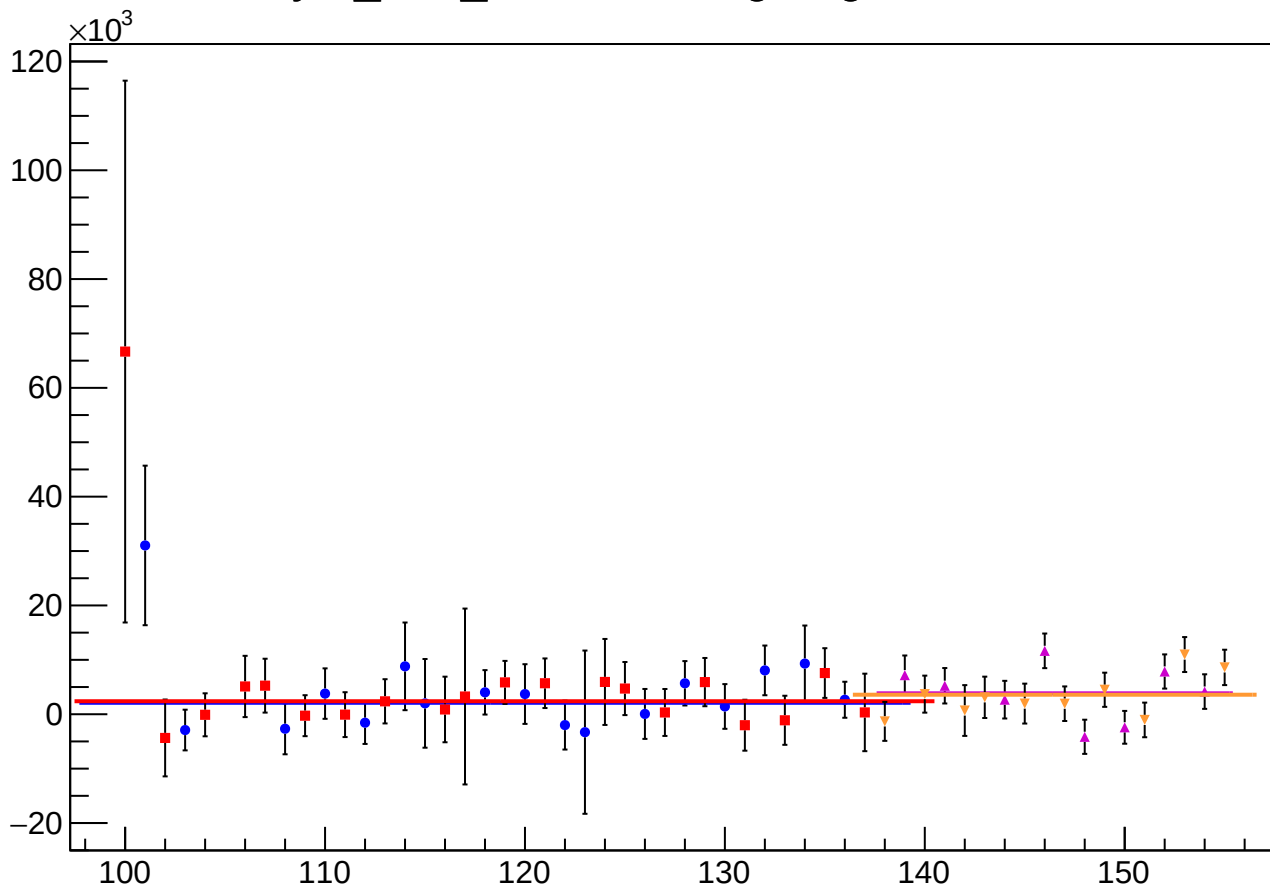
Left In: 820.663+/-0.233 χ^2/NDF : 694366.4/7

679.222+/-0.137 χ^2/NDF : 3182955.0/26

657.021+/-0.094 χ^2/NDF : 5930630.6/54

637.126+/-0.130 χ^2/NDF : 2697852.0/27

asym_atr1_mean vs Slug, Sign Corrected



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

Left Out: 3587.563 $\pm$ 1088.094 χ^2 /NDF: 12.6/9

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

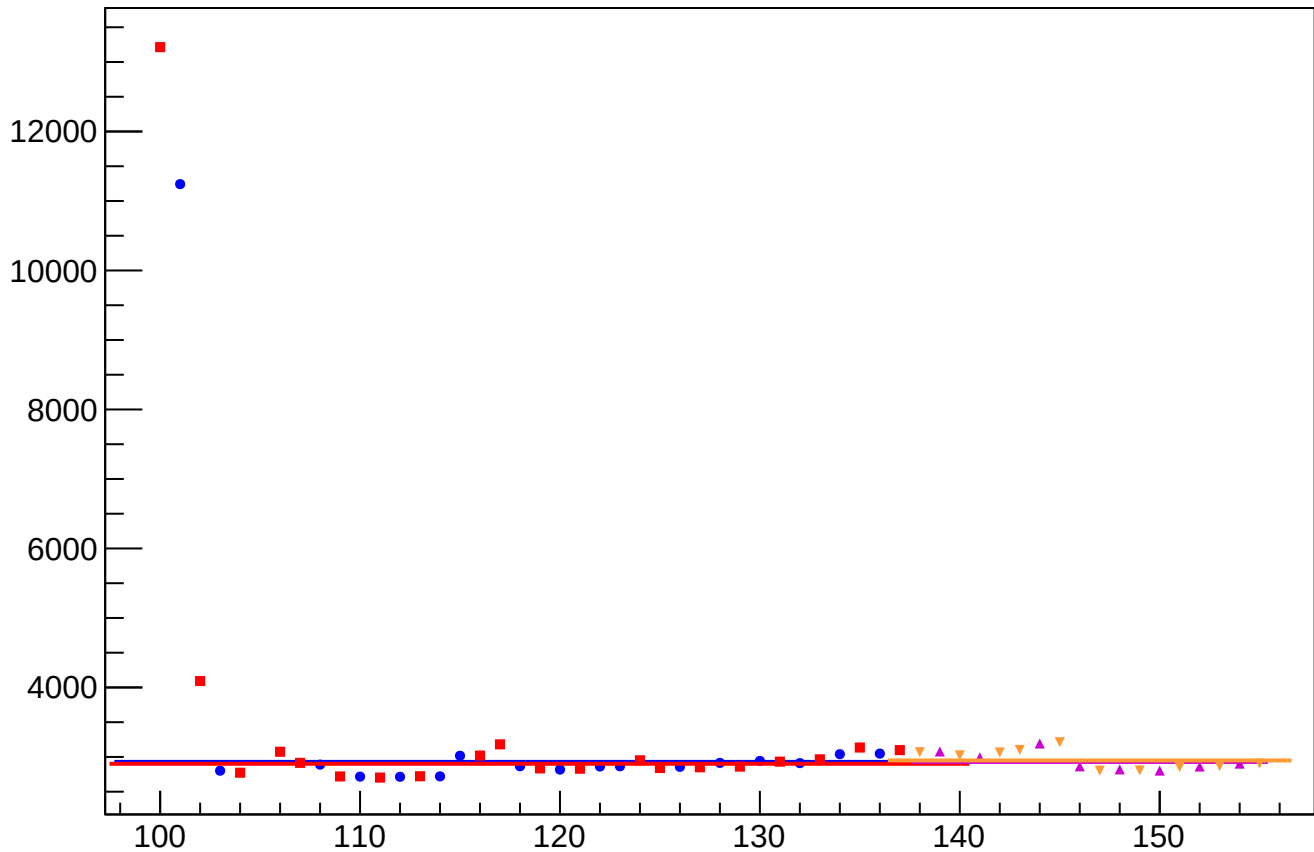
Left In: 3845.589 $\pm$ 1143.635 χ^2 /NDF: 19.6/7

2898.038 $\pm$ 794.987 χ^2 /NDF: 27.0/26

2996.188 $\pm$ 562.371 χ^2 /NDF: 57.3/54

3094.499 $\pm$ 795.640 χ^2 /NDF: 30.3/27

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2928.700 $\pm$ 0.823 χ^2 /NDF: 662362.9/16

Left Out: 2949.716 $\pm$ 0.769 χ^2 /NDF: 29504.6/9

Right Out: 2901.790 $\pm$ 0.783 χ^2 /NDF: 170320.9/19

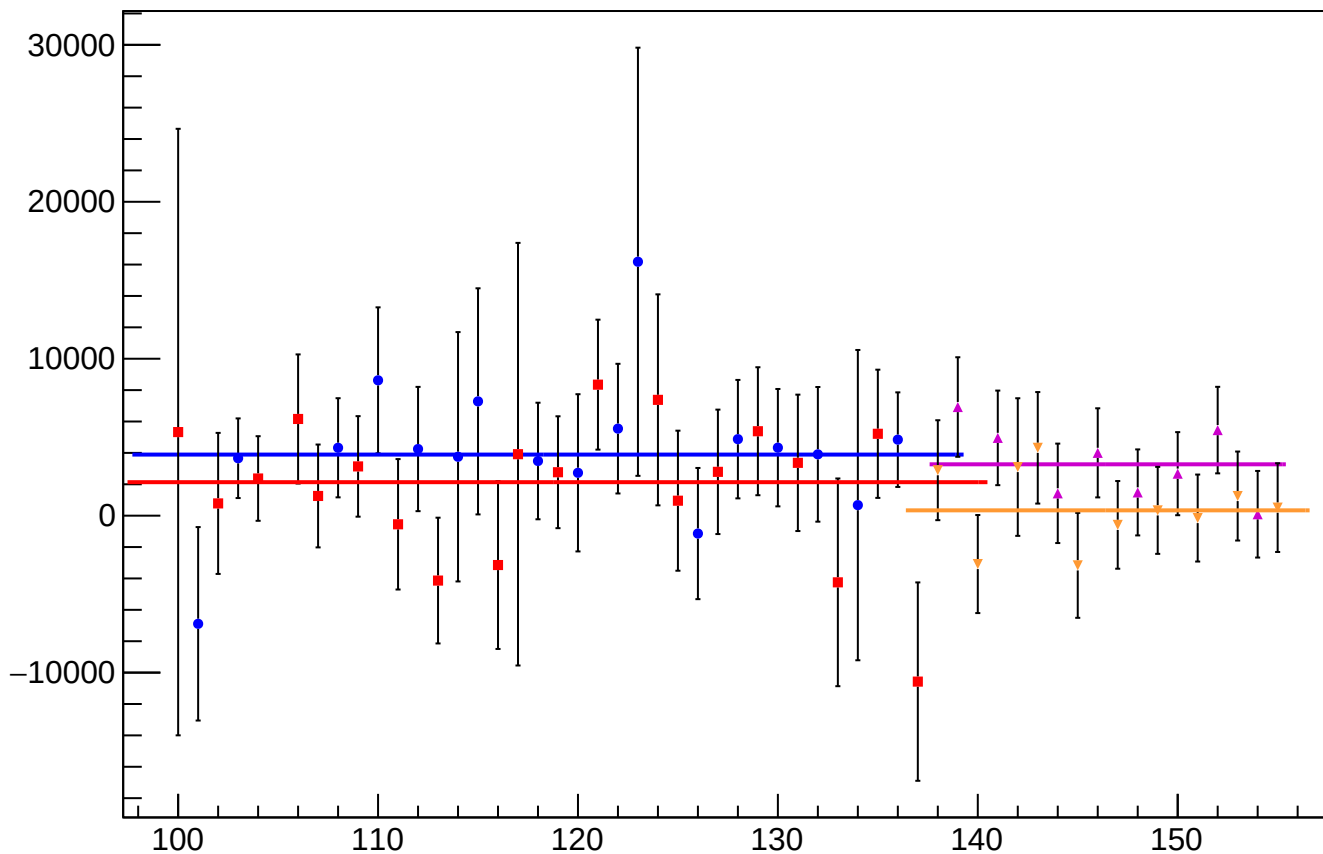
Left In: 2928.404 $\pm$ 0.809 χ^2 /NDF: 23528.7/7

2939.919 $\pm$ 0.562 χ^2 /NDF: 692215.3/26

2927.306 $\pm$ 0.398 χ^2 /NDF: 887631.5/54

2914.672 $\pm$ 0.563 χ^2 /NDF: 194408.5/27

reg_asym_atr2_mean vs Slug, Sign Corrected



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

Left Out: 338.912+/-971.296 χ^2/NDF : 4.8/9

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

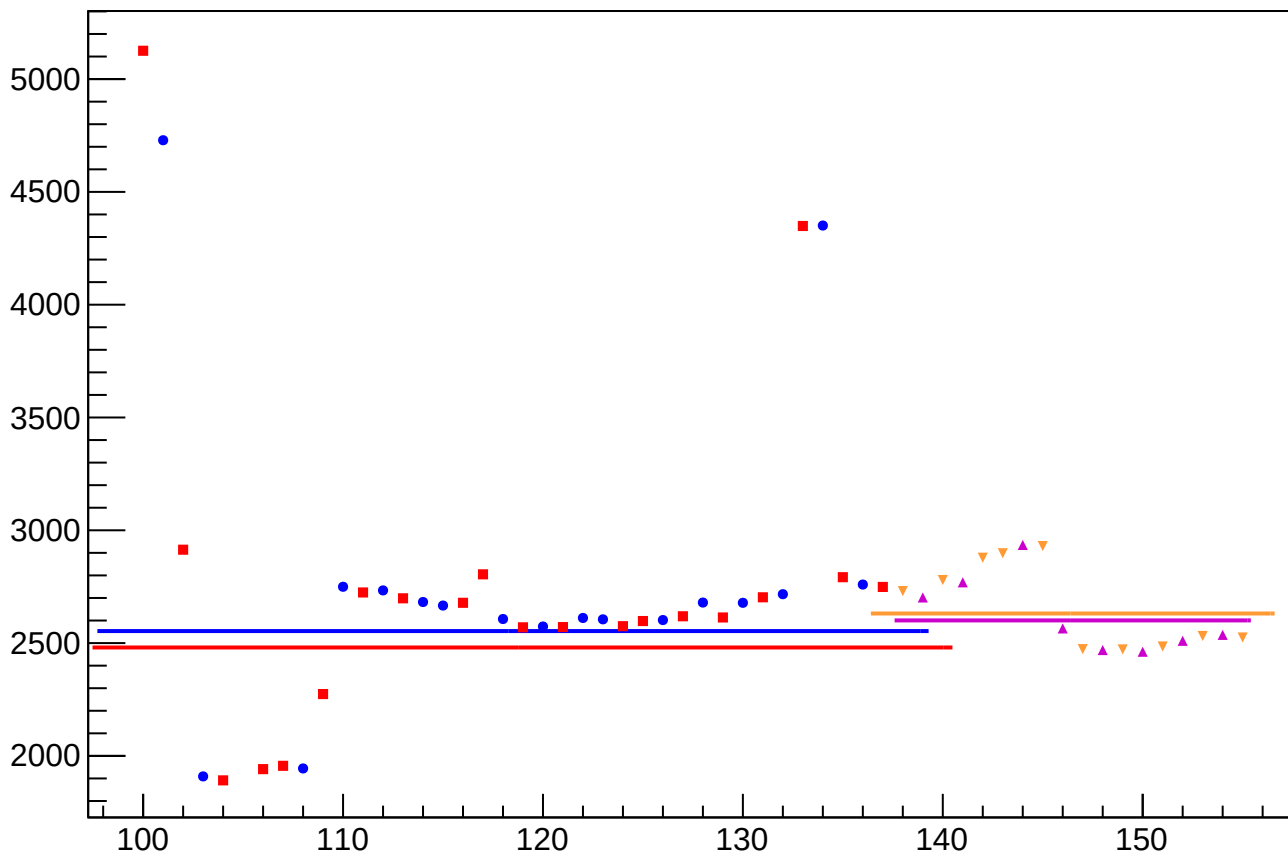
Left In: 3272.717+/-1014.279 χ^2/NDF : 4.5/7

2043.301+/-700.665 χ^2/NDF : 18.4/26

2358.667+/-493.675 χ^2/NDF : 38.3/54

2669.566+/-695.685 χ^2/NDF : 19.5/27

reg_asym_atr2_rms vs Slug, Sign Corrected



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

Left Out: 2631.227 $\pm$ 0.687 χ^2 /NDF: 63956.9/9

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

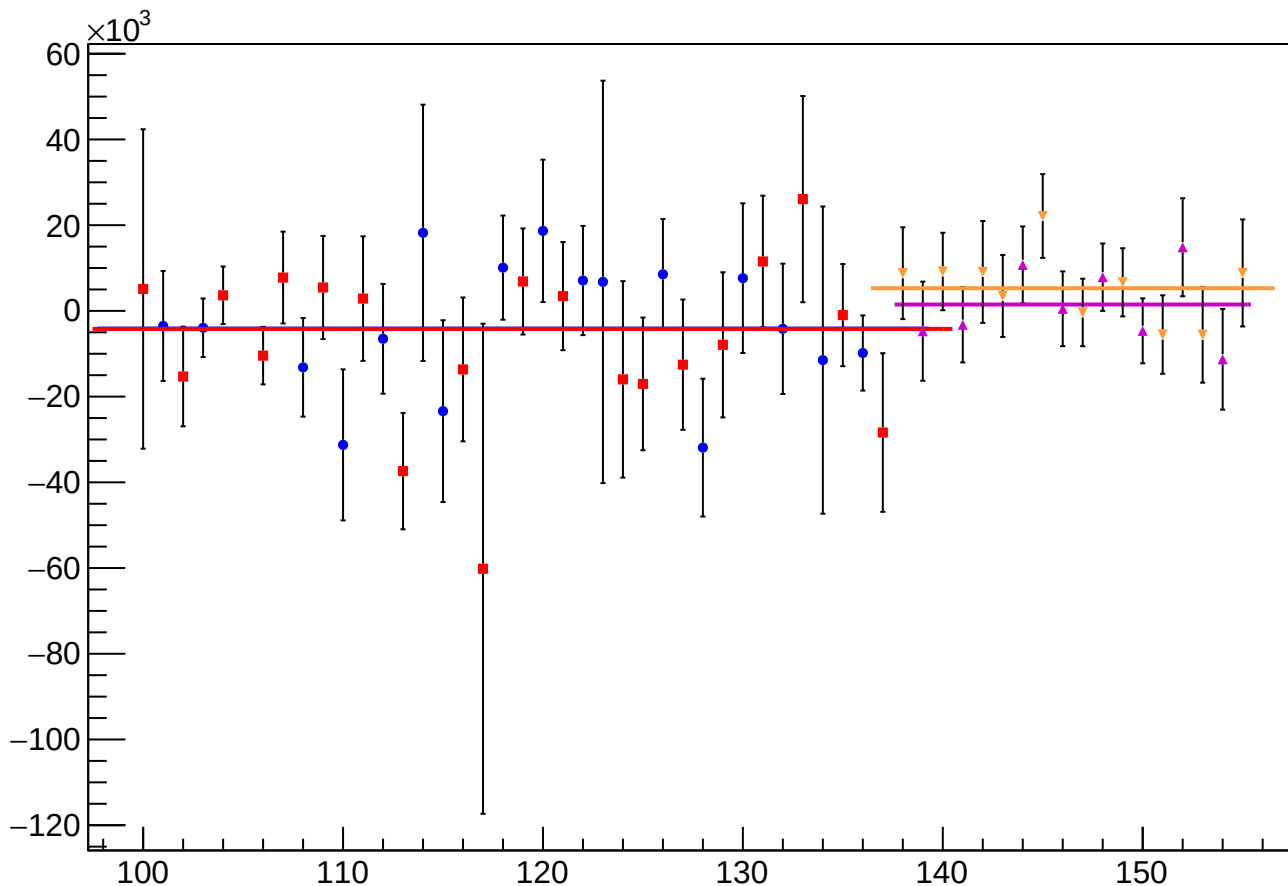
Left In: 2600.532 $\pm$ 0.717 χ^2 /NDF: 44280.0/7

2593.842 $\pm$ 0.495 χ^2 /NDF: 615361.5/26

2565.203 $\pm$ 0.349 χ^2 /NDF: 1131777.7/54

2536.970 $\pm$ 0.492 χ^2 /NDF: 509781.0/27

asym_atr2_correction_mean vs Slug, Sign Corrected



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

Left Out: 5282.480 ± 3046.959 χ^2/NDF : 6.4/9

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

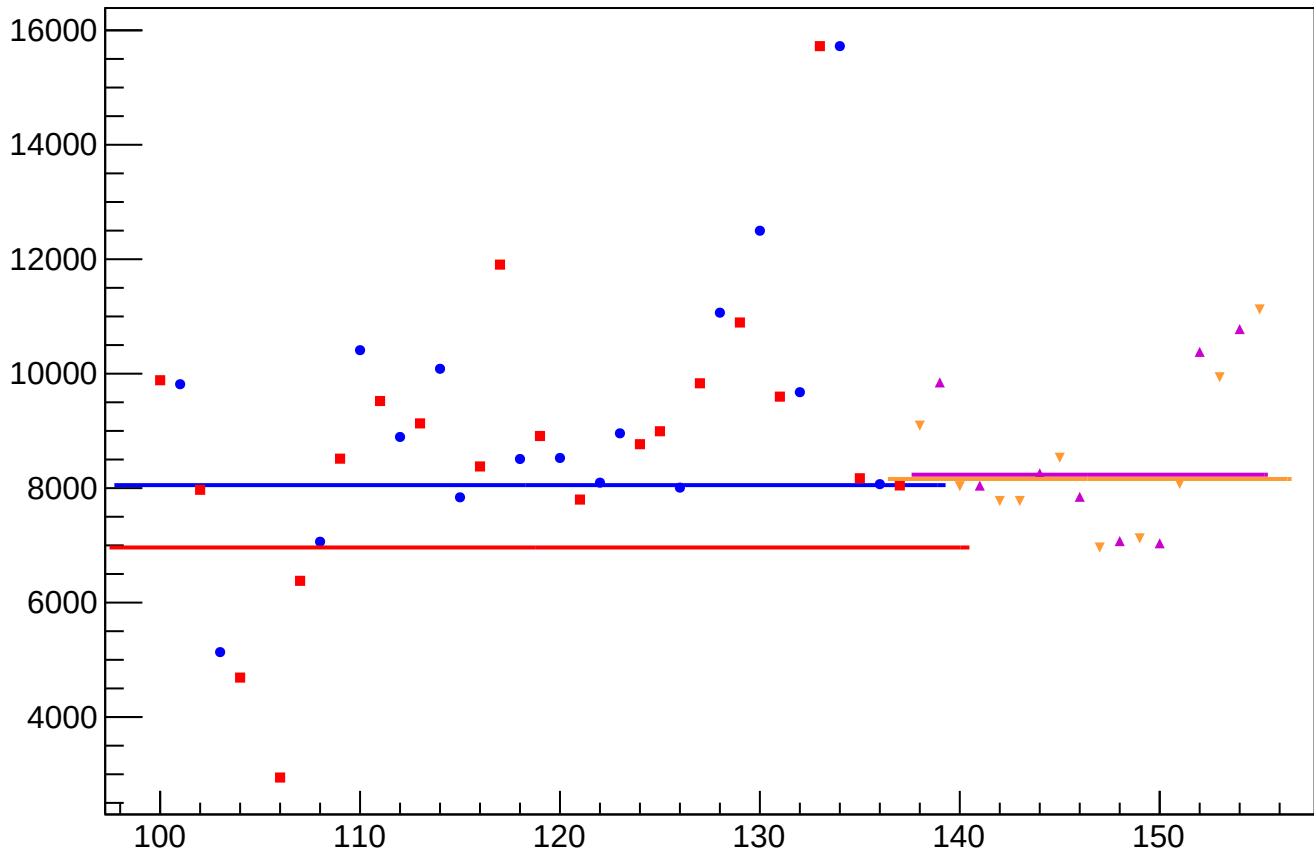
Left In: 1489.959 ± 3252.852 χ^2/NDF : 5.5/7

847.921 ± 2215.455 χ^2/NDF : 24.2/26

-497.046 ± 1537.491 χ^2/NDF : 51.7/54

-1746.608 ± 2135.433 χ^2/NDF : 26.7/27

asym_atr2_correction_rms vs Slug, Sign Corrected



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

Left Out: 8160.199 +/- 2.155 χ^2/NDF : 267477.1/9

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

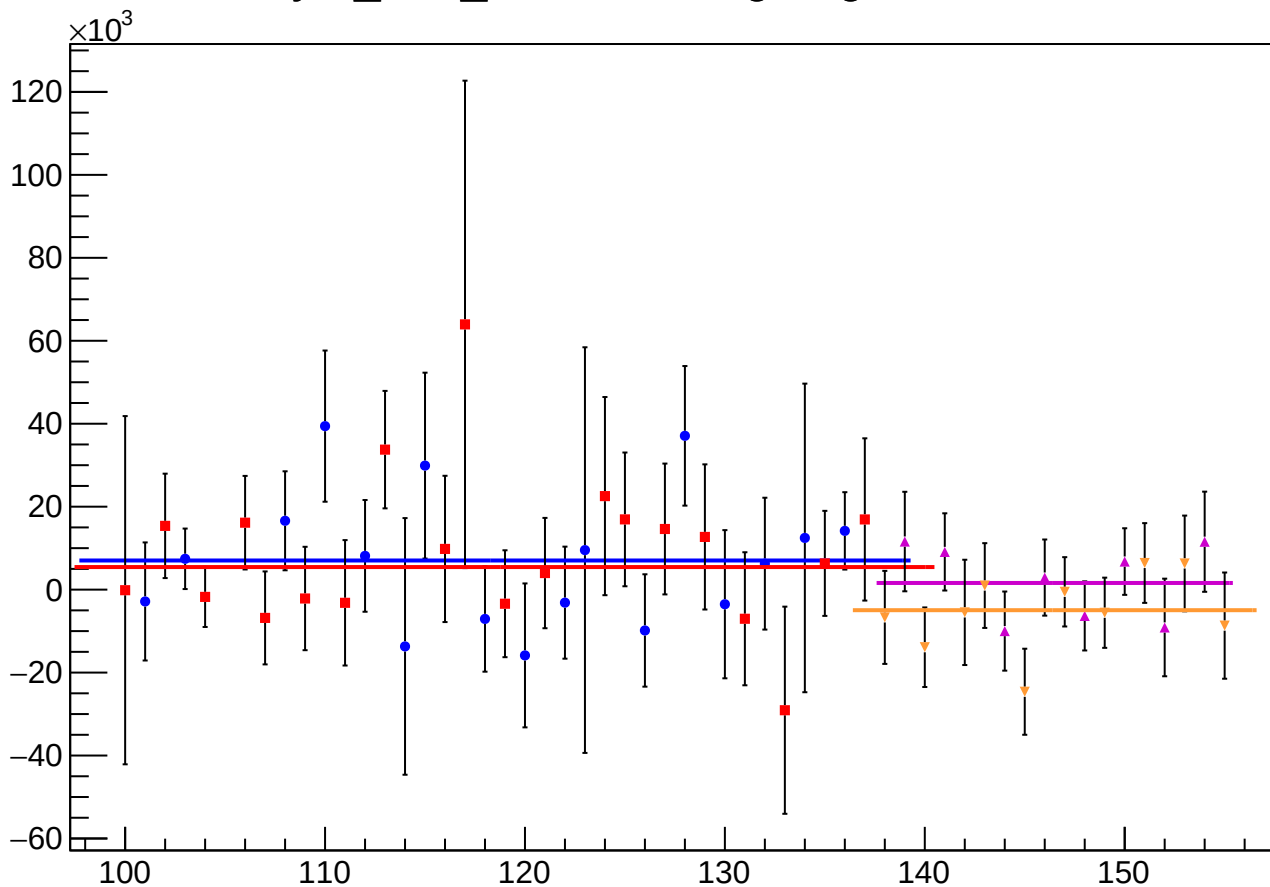
Left In: 8235.185 +/- 2.300 χ^2/NDF : 301691.2/7

8109.463 +/- 1.567 χ^2/NDF : 1059377.8/26

7799.394 +/- 1.087 χ^2/NDF : 3402257.5/54

7511.320 +/- 1.510 χ^2/NDF : 2267306.8/27

asym_atr2_mean vs Slug, Sign Corrected



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

Left Out: -4957.613 $\pm$ 3217.204 χ^2/NDF : 7.5/9

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

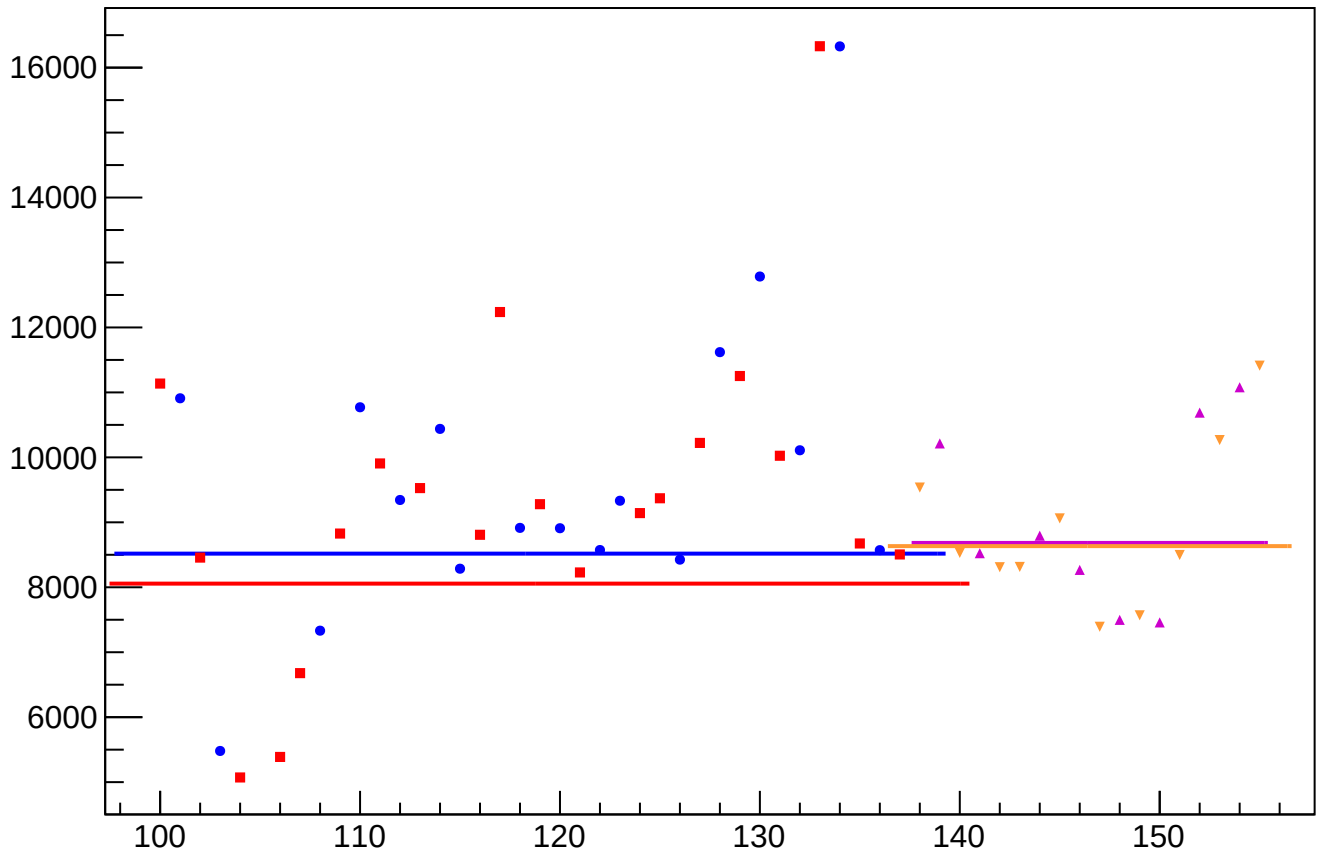
Left In: 1606.660 $\pm$ 3422.497 χ^2/NDF : 5.7/7

686.477 $\pm$ 2339.932 χ^2/NDF : 29.1/26

2191.398 $\pm$ 1648.615 χ^2/NDF : 50.6/54

3674.804 $\pm$ 2323.145 χ^2/NDF : 20.7/27

asym_atr2_rms vs Slug, Sign Corrected



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

Left Out: 8633.460+/-2.275 χ^2/NDF : 230277.6/9

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

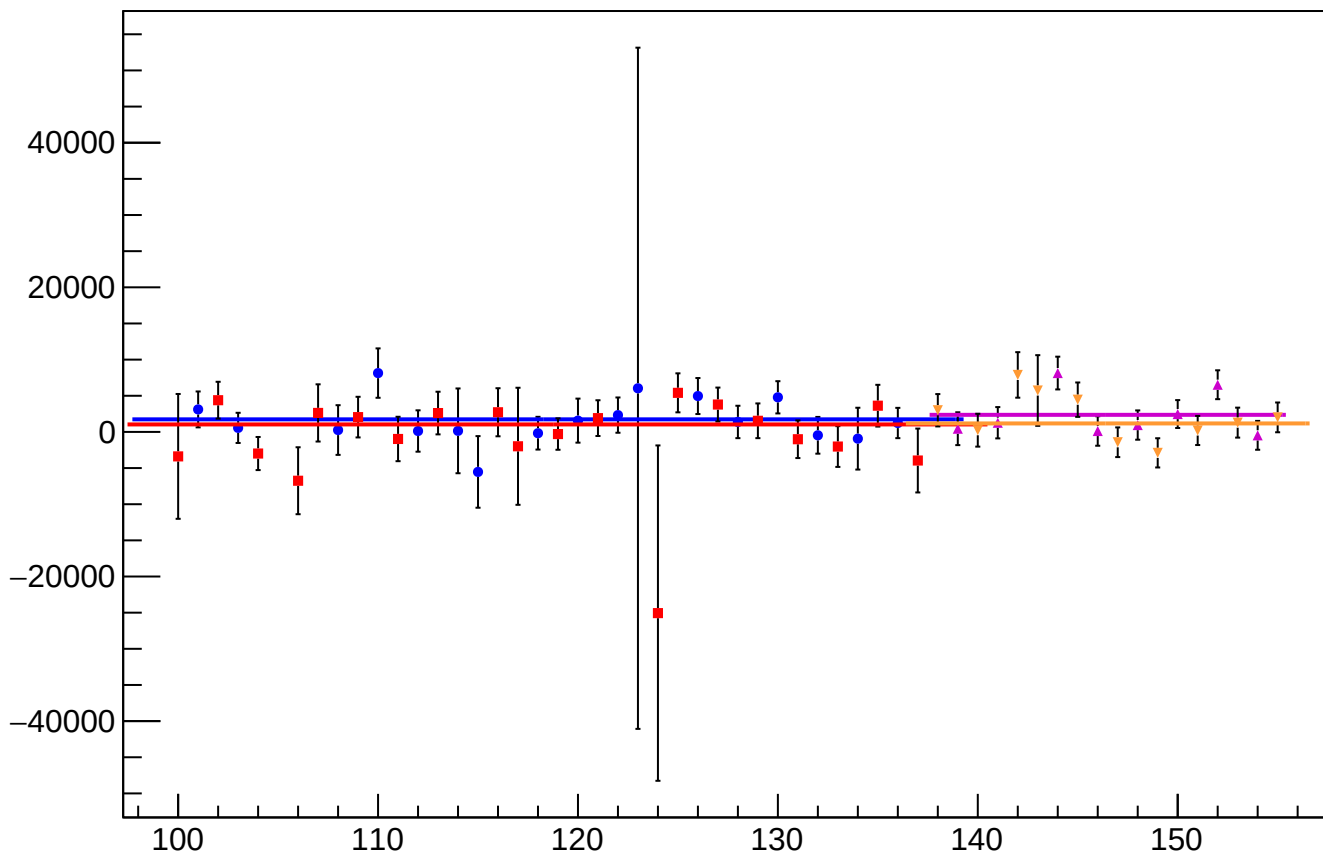
Left In: 8682.584+/-2.420 χ^2/NDF : 261383.7/7

8579.024+/-1.655 χ^2/NDF : 994774.7/26

8461.052+/-1.166 χ^2/NDF : 2264667.9/54

8344.771+/-1.643 χ^2/NDF : 1259798.5/27

reg_asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: 1173.290+/-723.532 χ^2/NDF : 14.2/9

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

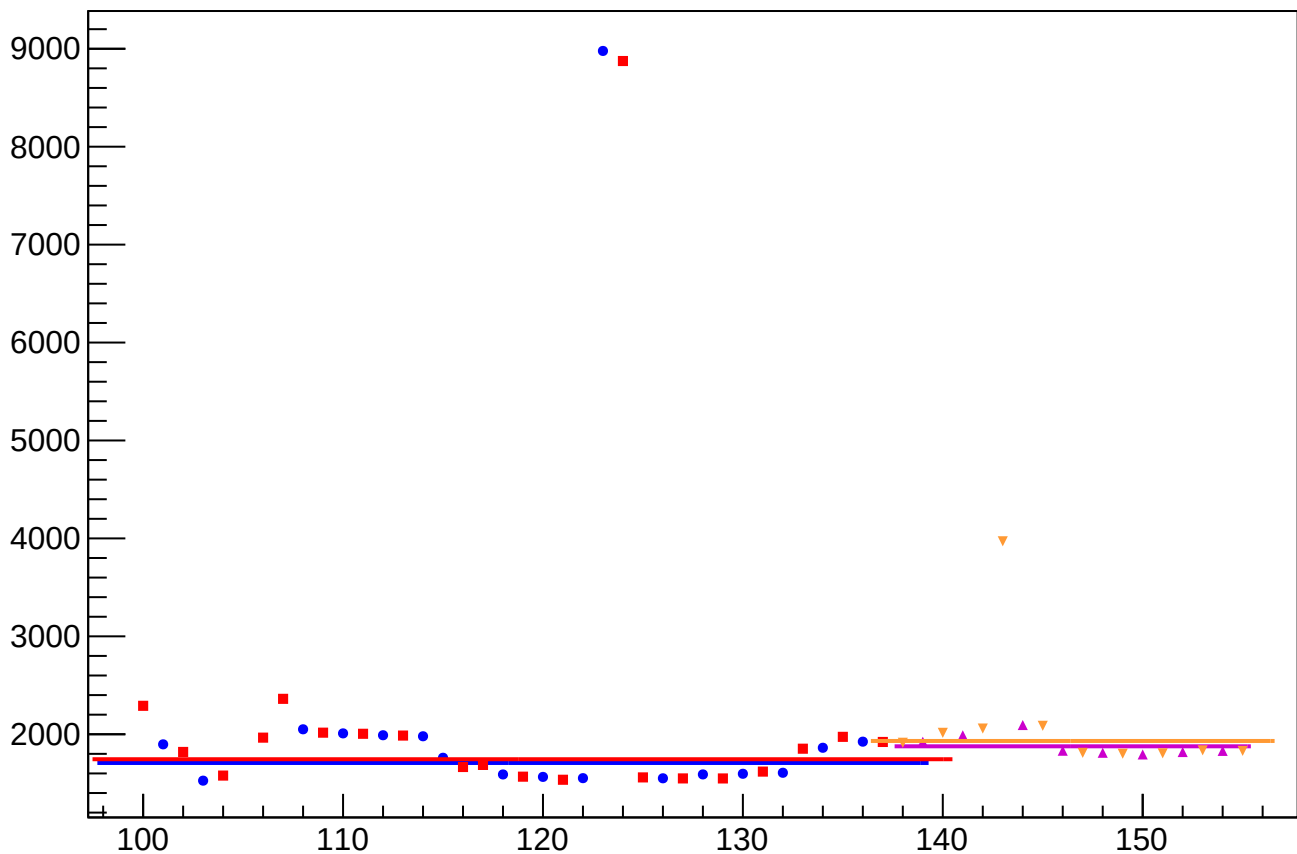
Left In: 2362.483+/-733.803 χ^2/NDF : 15.5/7

1478.024+/-491.754 χ^2/NDF : 27.0/26

1557.184+/-348.604 χ^2/NDF : 63.3/54

1637.151+/-494.256 χ^2/NDF : 36.3/27

reg_asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 1931.541+/-0.512 χ^2/NDF : 394744.6/9

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

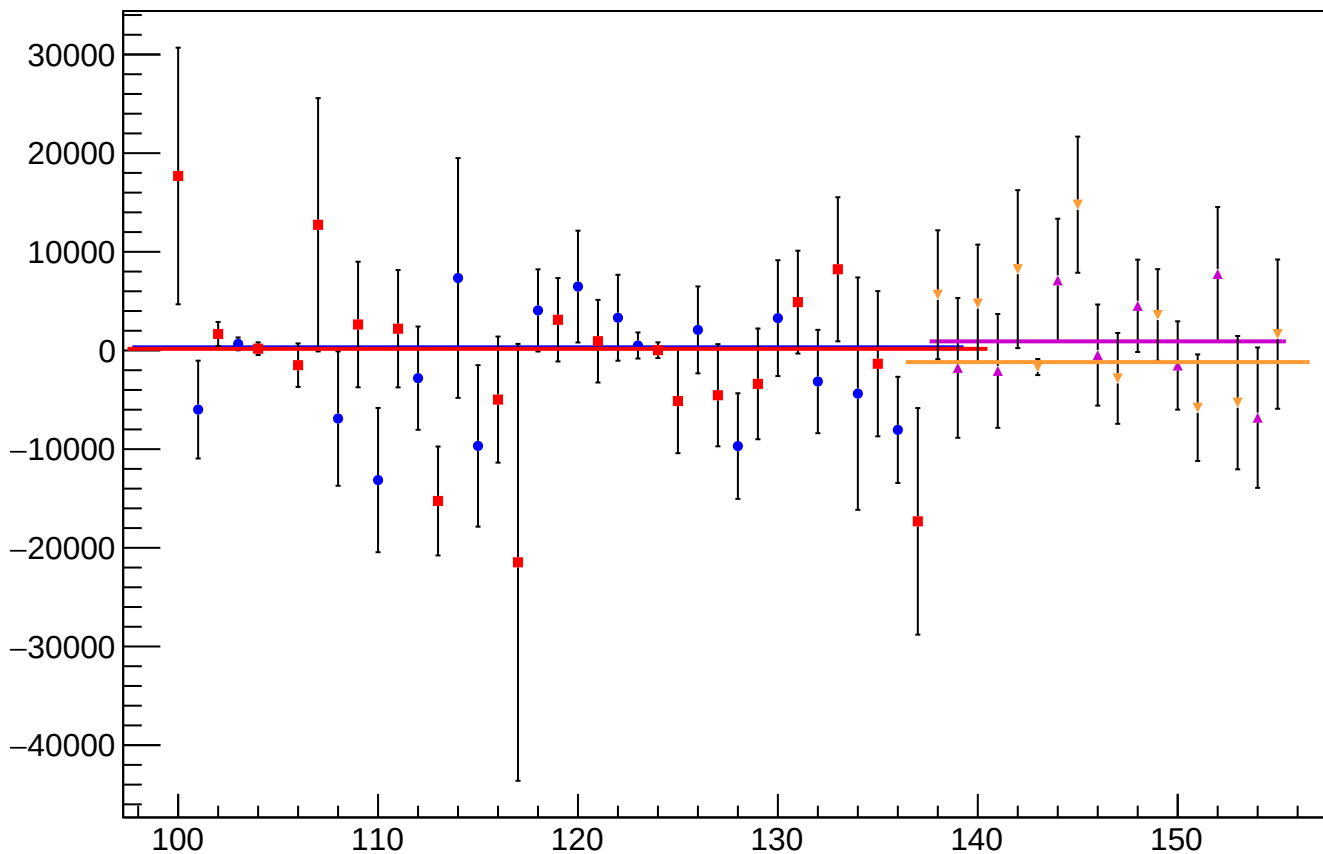
Left In: 1876.947+/-0.519 χ^2/NDF : 34252.2/7

1810.652+/-0.348 χ^2/NDF : 696065.8/26

1807.630+/-0.246 χ^2/NDF : 1165836.0/54

1804.592+/-0.349 χ^2/NDF : 469618.8/27

asym_atl_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1175.761 $\pm$ 753.395 χ^2 /NDF:11.6/9

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

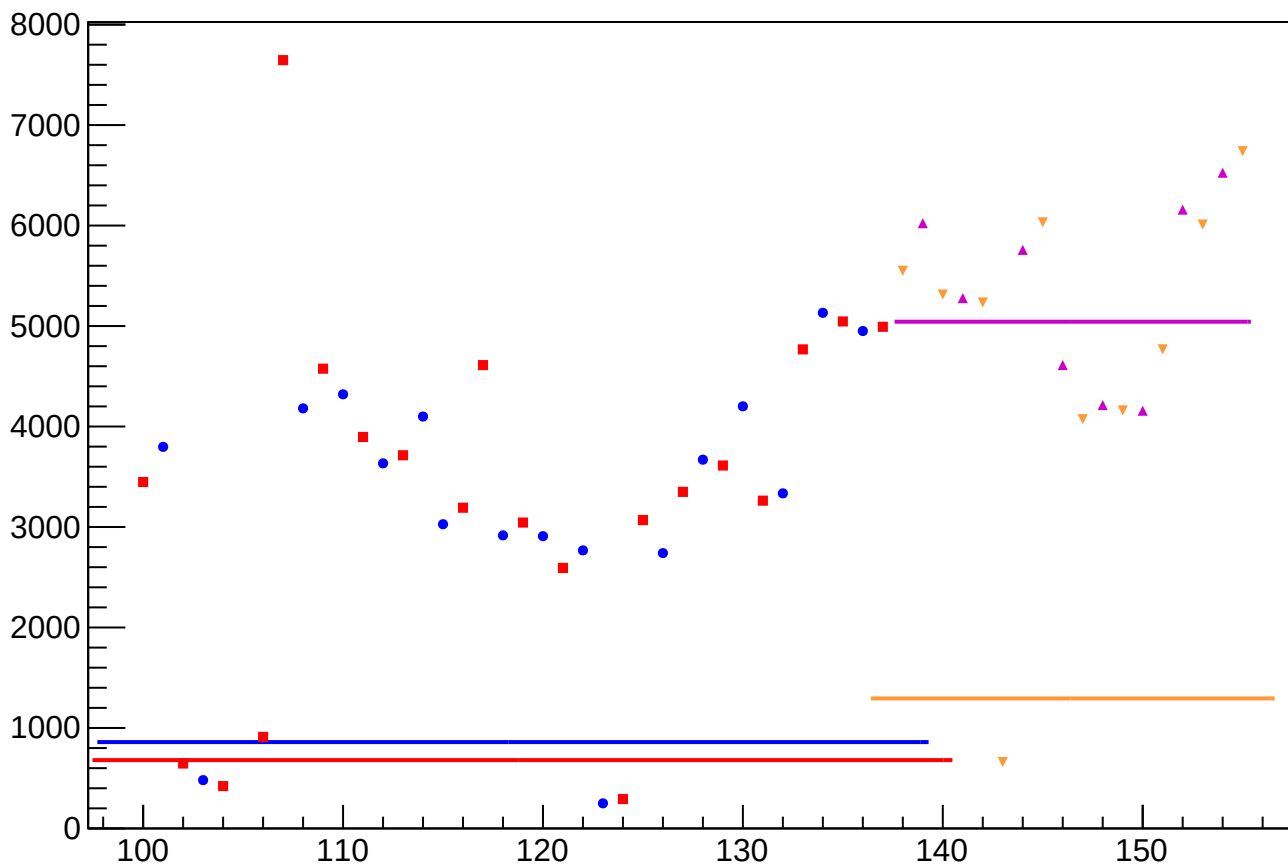
Left In: 925.220 $\pm$ 1997.128 χ^2 /NDF:4.6/7

-187.520 $\pm$ 439.109 χ^2 /NDF: 32.2/26

14.442 $\pm$ 304.868 χ^2 /NDF: 59.0/54

202.395 $\pm$ 423.606 χ^2 /NDF: 26.4/27

asym_atl_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1293.963+/-0.533 χ^2/NDF : 8718140.0/9

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

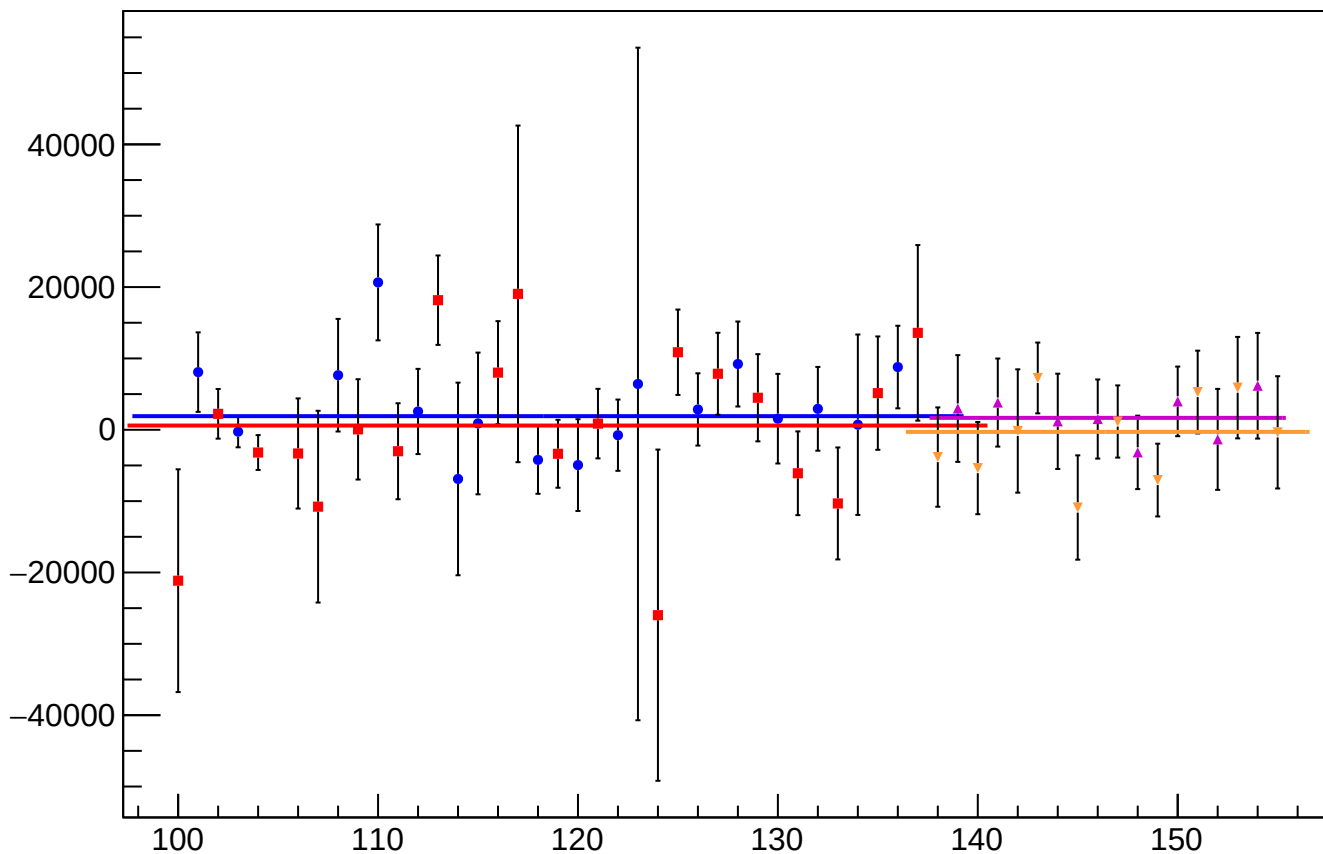
Left In: 5043.139+/-1.412 χ^2/NDF : 364050.6/7

1007.126+/-0.310 χ^2/NDF : 17300456.5/26

939.415+/-0.216 χ^2/NDF : 35320165.7/54

876.401+/-0.300 χ^2/NDF : 17927896.4/27

asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: -293.536+/-1959.234 χ^2/NDF : 8.8/9

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

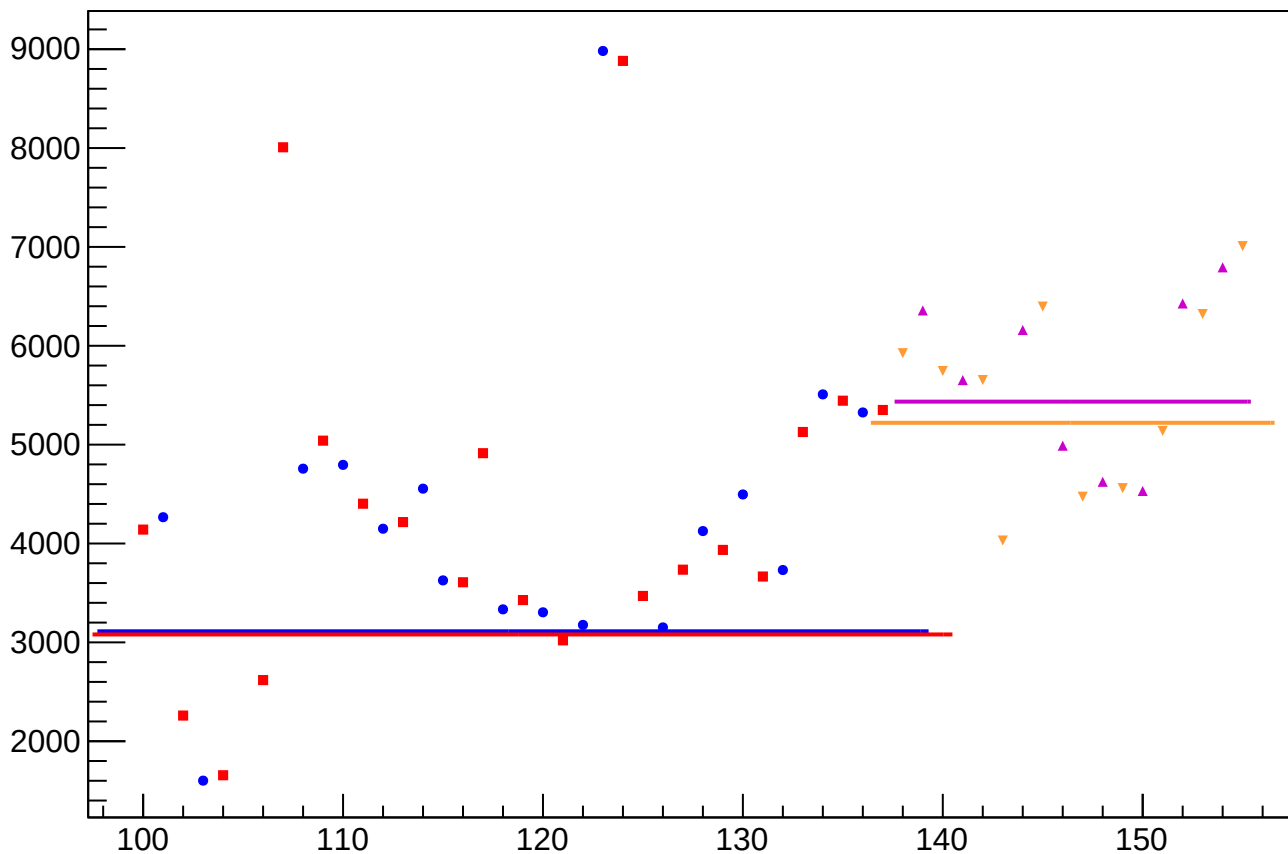
Left In: 1669.252+/-2146.170 χ^2/NDF : 1.8/7

1228.619+/-1089.124 χ^2/NDF : 24.3/26

1055.177+/-774.571 χ^2/NDF : 53.4/54

877.674+/-1101.803 χ^2/NDF : 29.0/27

asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 5221.065 +/- 1.385 χ^2/NDF : 434291.6/9

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

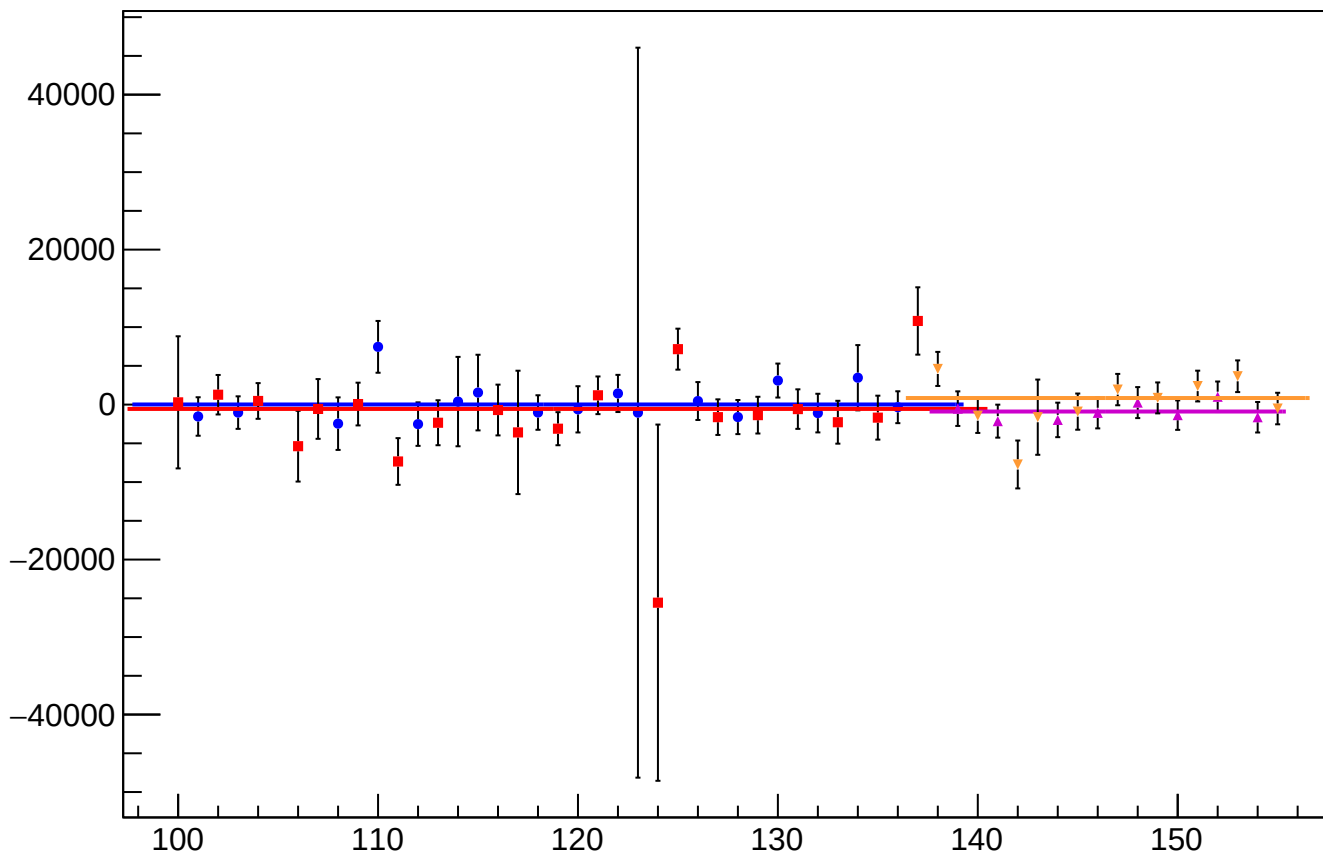
Left In: 5434.957 +/- 1.518 χ^2/NDF : 294314.8/7

3763.611 +/- 0.770 χ^2/NDF : 3915539.0/26

3725.601 +/- 0.545 χ^2/NDF : 8019265.8/54

3687.526 +/- 0.771 χ^2/NDF : 4098850.5/27

reg_asym_atl_dd_mean vs Slug, Sign Corrected



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

Left Out: 848.298 ± 712.953 $\chi^2/\text{NDF}: 15.7/9$

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

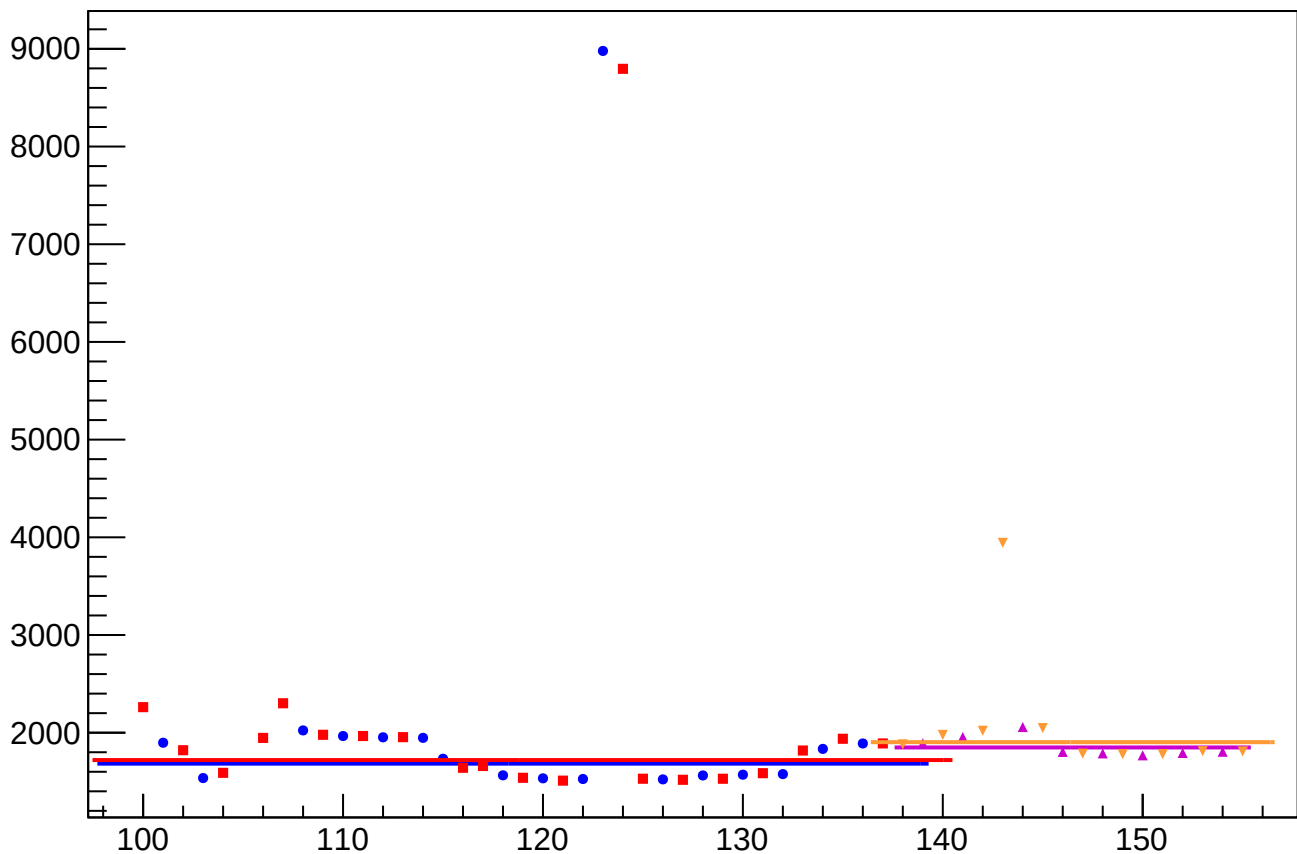
Left In: -894.096 ± 722.775 $\chi^2/\text{NDF}: 2.1/7$

399.774 ± 484.765 $\chi^2/\text{NDF}: 27.6/26$

-153.019 ± 343.540 $\chi^2/\text{NDF}: 59.2/54$

-710.743 ± 486.922 $\chi^2/\text{NDF}: 29.0/27$

reg_asym_atl_dd_rms vs Slug, Sign Corrected



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

Left Out: 1903.058+/-0.504 χ^2/NDF : 396509.0/9

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

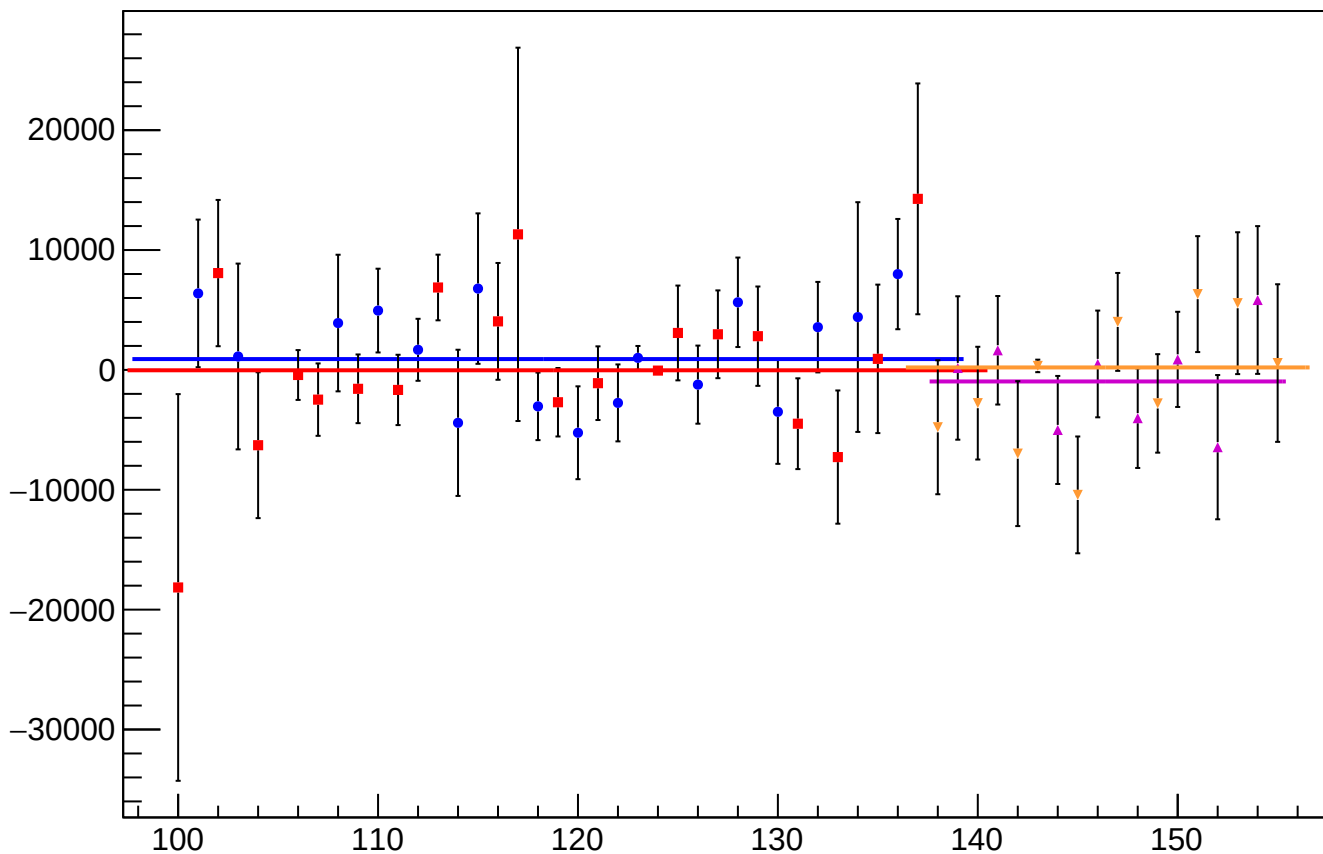
Left In: 1848.869+/-0.511 χ^2/NDF : 32474.8/7

1784.876+/-0.343 χ^2/NDF : 694611.1/26

1781.541+/-0.243 χ^2/NDF : 1158372.6/54

1778.192+/-0.343 χ^2/NDF : 463571.9/27

asym_atl_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 205.542+/-498.528 χ^2/NDF : 11.3/9

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

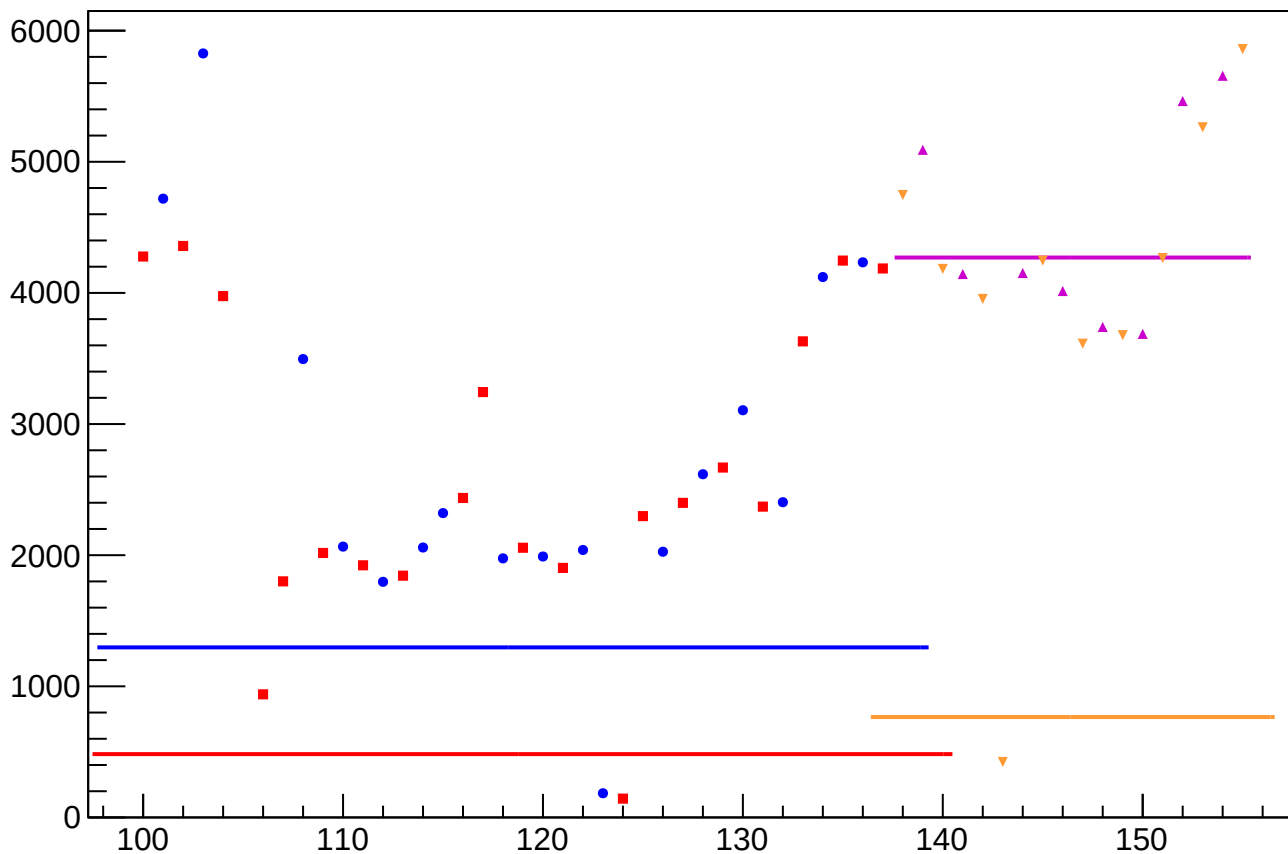
Left In: -964.180+/-1686.245 χ^2/NDF : 4.1/7

437.905+/-407.150 χ^2/NDF : 27.9/26

144.108+/-265.123 χ^2/NDF : 54.2/54

-72.177+/-349.336 χ^2/NDF : 25.4/27

asym_atl_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 765.697+/-0.353 χ^2/NDF : 9889698.0/9

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

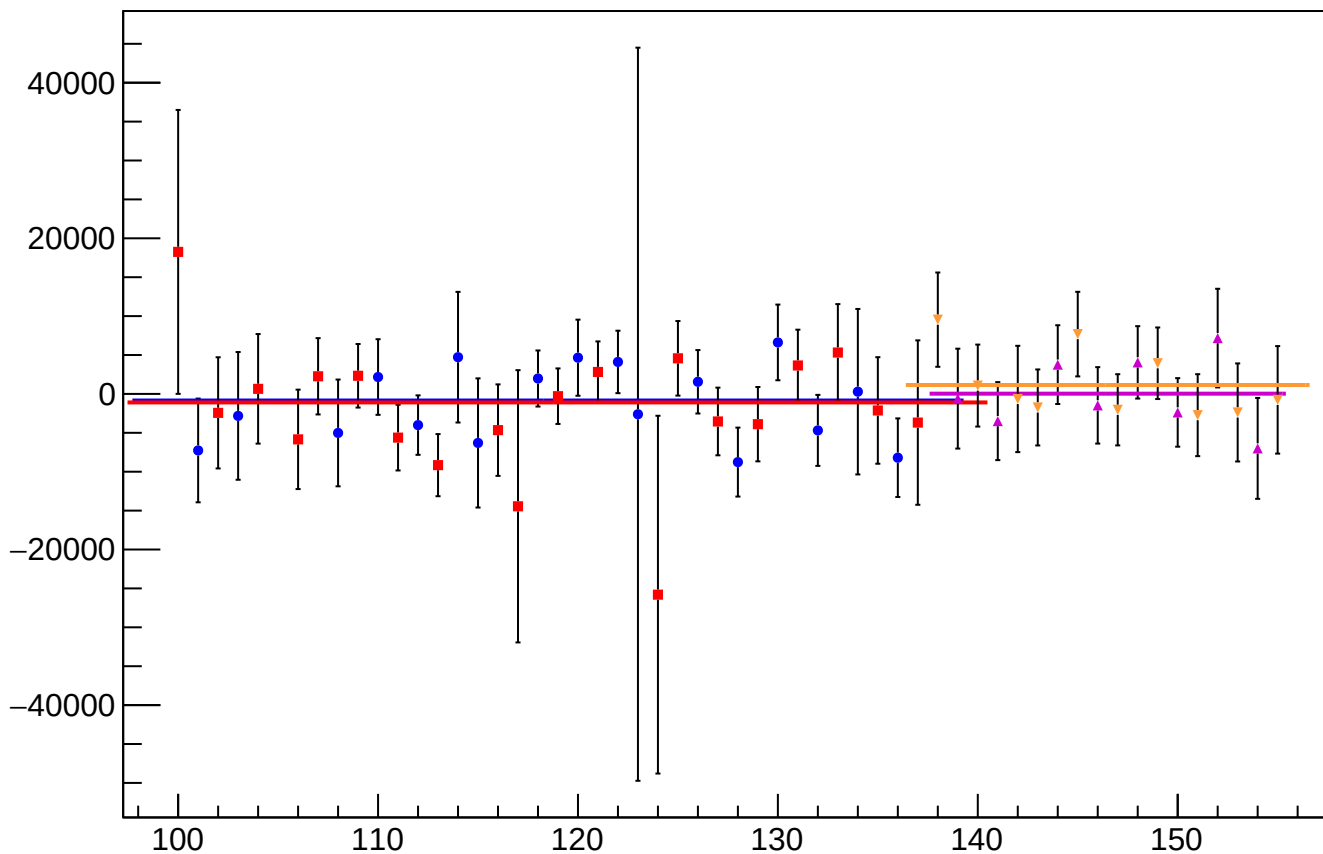
Left In: 4269.901+/-1.192 χ^2/NDF : 302503.8/7

942.619+/-0.288 χ^2/NDF : 17155754.7/26

771.516+/-0.187 χ^2/NDF : 37932357.8/54

645.556+/-0.247 χ^2/NDF : 20163370.7/27

asym_atl_dd_mean vs Slug, Sign Corrected



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

Left Out: 1143.429+/-1720.951 χ^2/NDF : 5.6/9

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

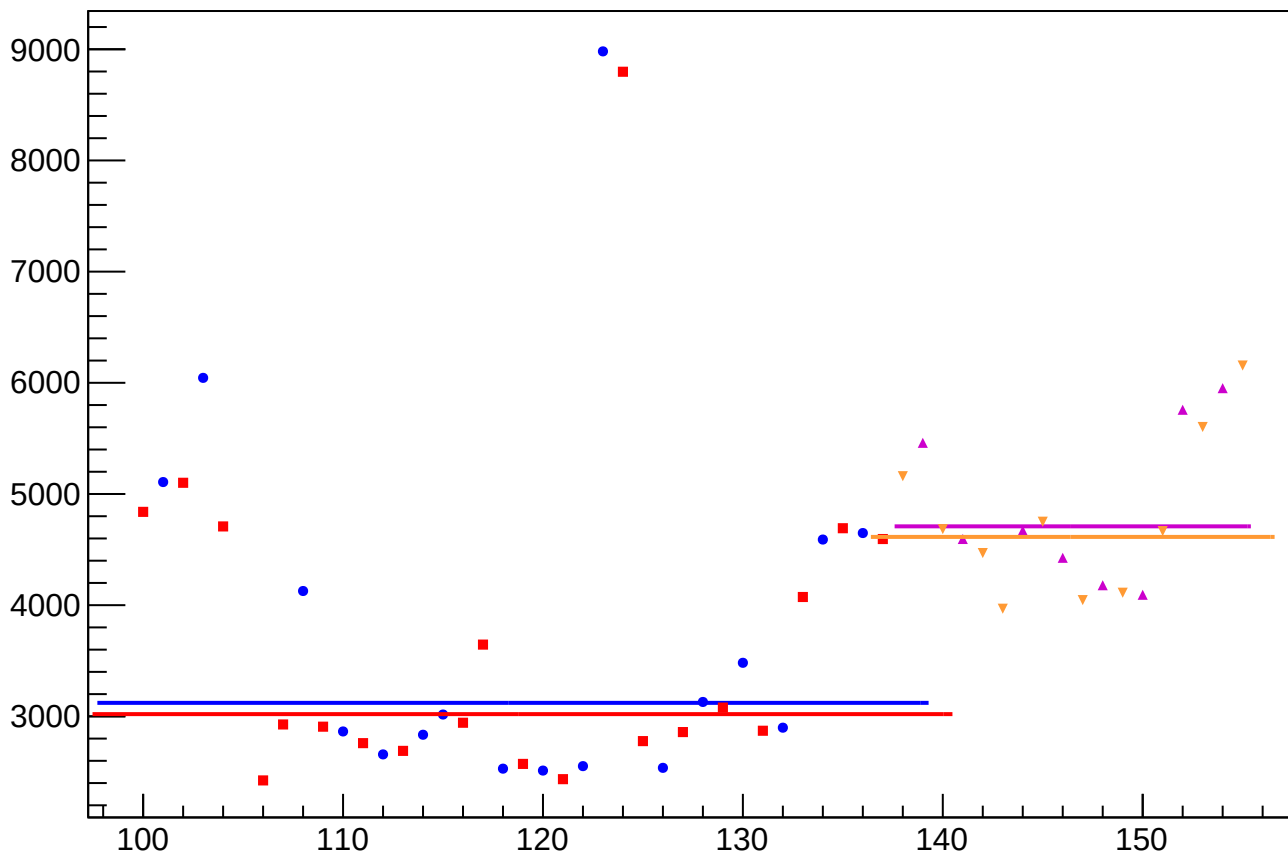
Left In: 31.032+/-1854.109 χ^2/NDF : 4.6/7

-153.189+/-1017.181 χ^2/NDF : 21.9/26

-465.394+/-713.199 χ^2/NDF : 42.5/54

-767.299+/-1000.262 χ^2/NDF : 20.5/27

asym_atl_dd_rms vs Slug, Sign Corrected



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

Left Out: 4613.975+/-1.217 χ^2/NDF : 257360.2/9

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

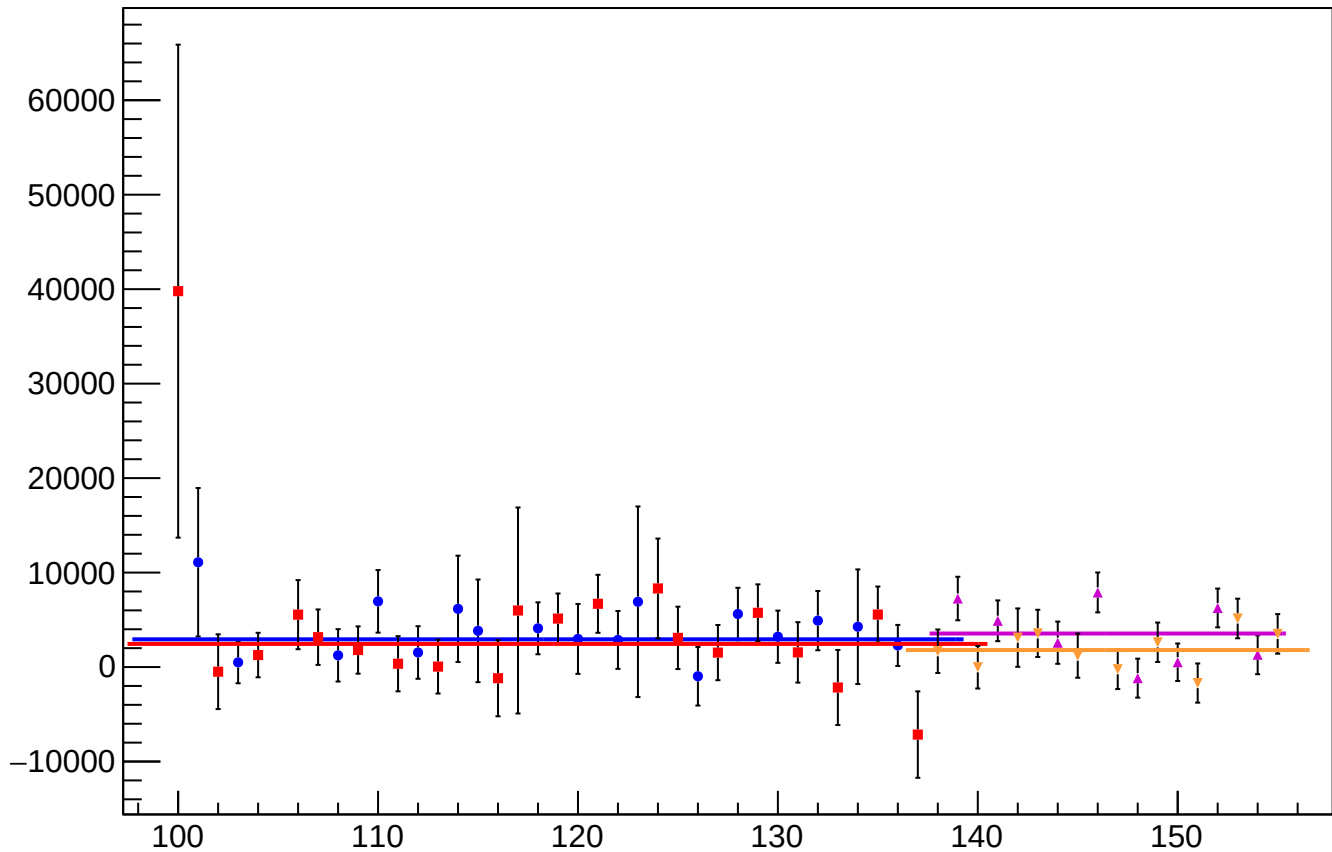
Left In: 4708.956+/-1.311 χ^2/NDF : 228285.3/7

3642.837+/-0.719 χ^2/NDF : 2181894.1/26

3571.097+/-0.502 χ^2/NDF : 4409146.1/54

3502.944+/-0.701 χ^2/NDF : 2207852.3/27

reg_asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: 1798.784+/-710.950 χ^2/NDF : 8.5/9

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

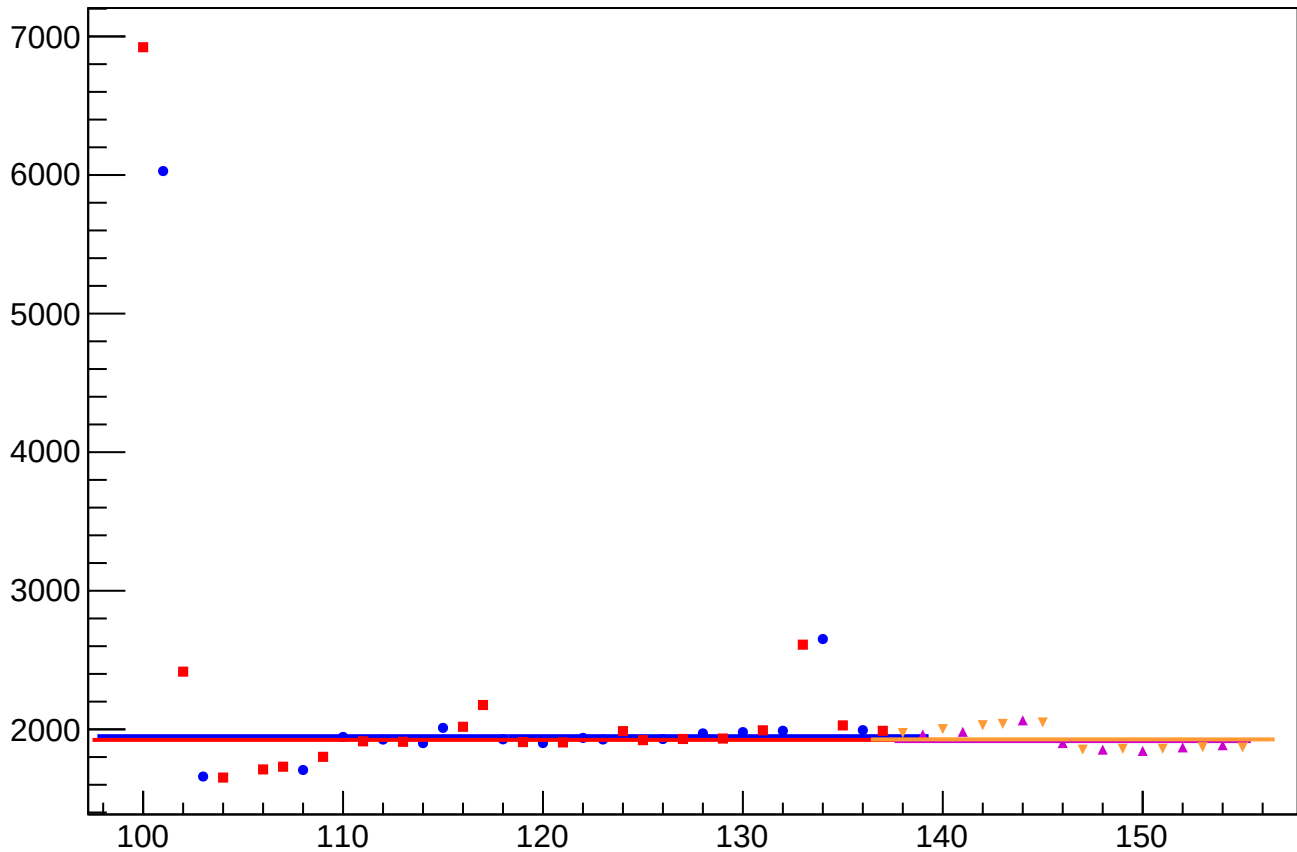
Left In: 3549.061+/-747.409 χ^2/NDF : 17.9/7

2318.120+/-524.013 χ^2/NDF : 17.9/26

2654.486+/-371.021 χ^2/NDF : 56.0/54

2992.631+/-525.397 χ^2/NDF : 37.3/27

reg_asym_atr_avg_rms vs Slug, Sign Corrected



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

Left Out: 1927.463 $\pm$ 0.503 χ^2 /NDF: 24251.5/9

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

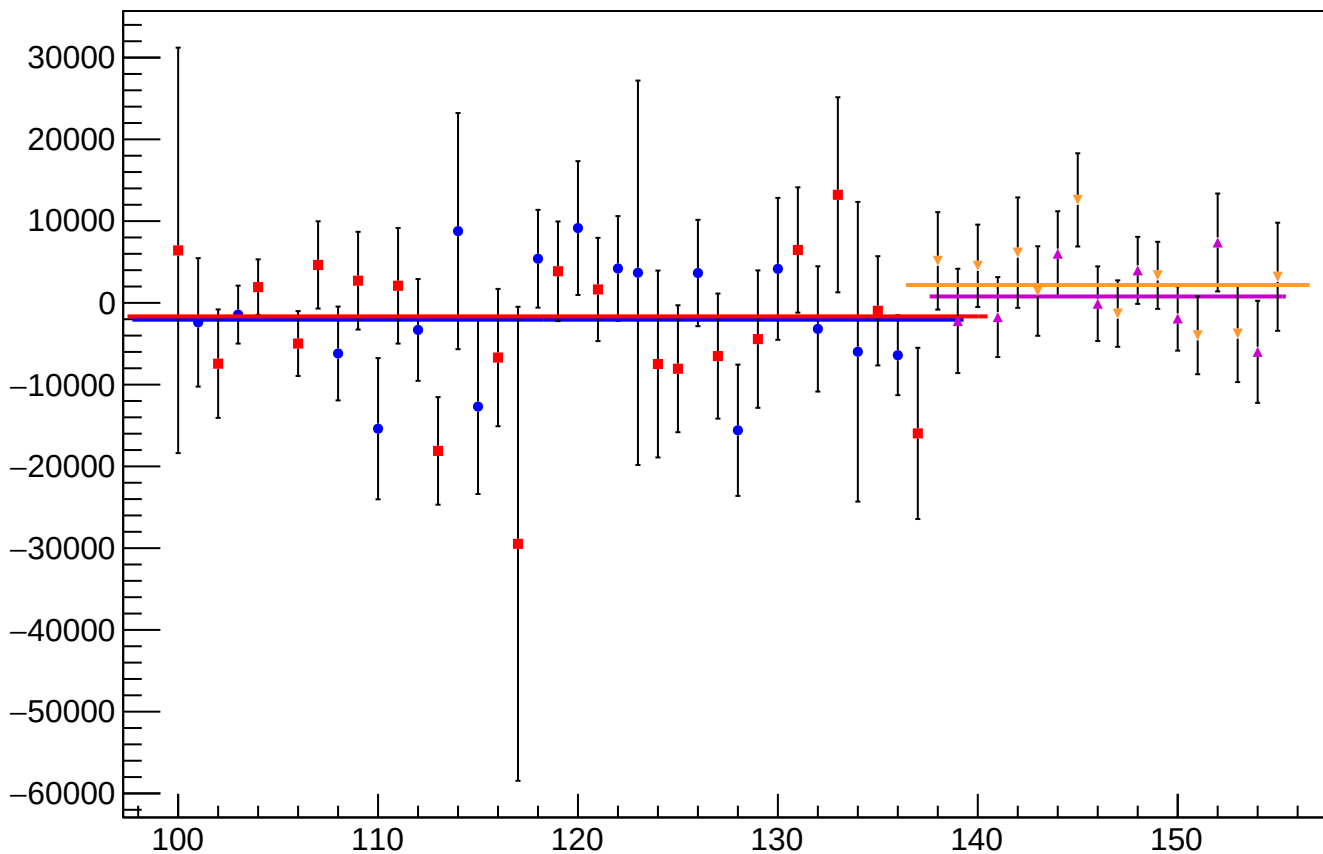
Left In: 1915.248 $\pm$ 0.528 χ^2 /NDF: 17590.8/7

1938.037 $\pm$ 0.371 χ^2 /NDF: 642552.4/26

1928.851 $\pm$ 0.262 χ^2 /NDF: 879981.0/54

1919.638 $\pm$ 0.371 χ^2 /NDF: 236197.5/27

asym_atr_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 2184.311 $\pm$ 1646.250 χ^2 /NDF: 7.7/9

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

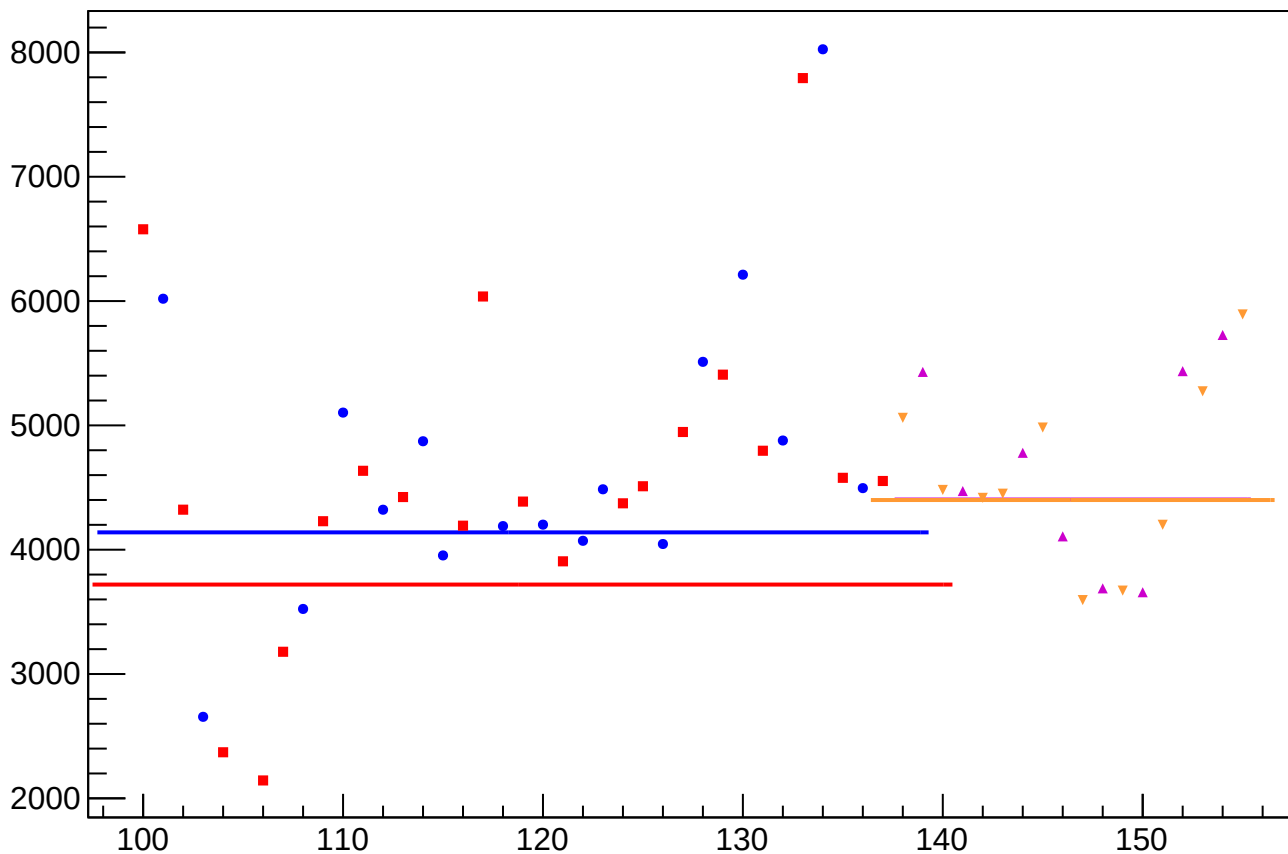
Left In: 783.602 $\pm$ 1743.023 χ^2 /NDF: 5.0/7

82.732 $\pm$ 1169.282 χ^2 /NDF: 24.9/26

-290.042 $\pm$ 811.135 χ^2 /NDF: 50.8/54

-635.835 $\pm$ 1126.170 χ^2 /NDF: 25.7/27

asym_atr_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 4399.576 ± 1.164 $\chi^2/\text{NDF}: 336734.1/9$

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

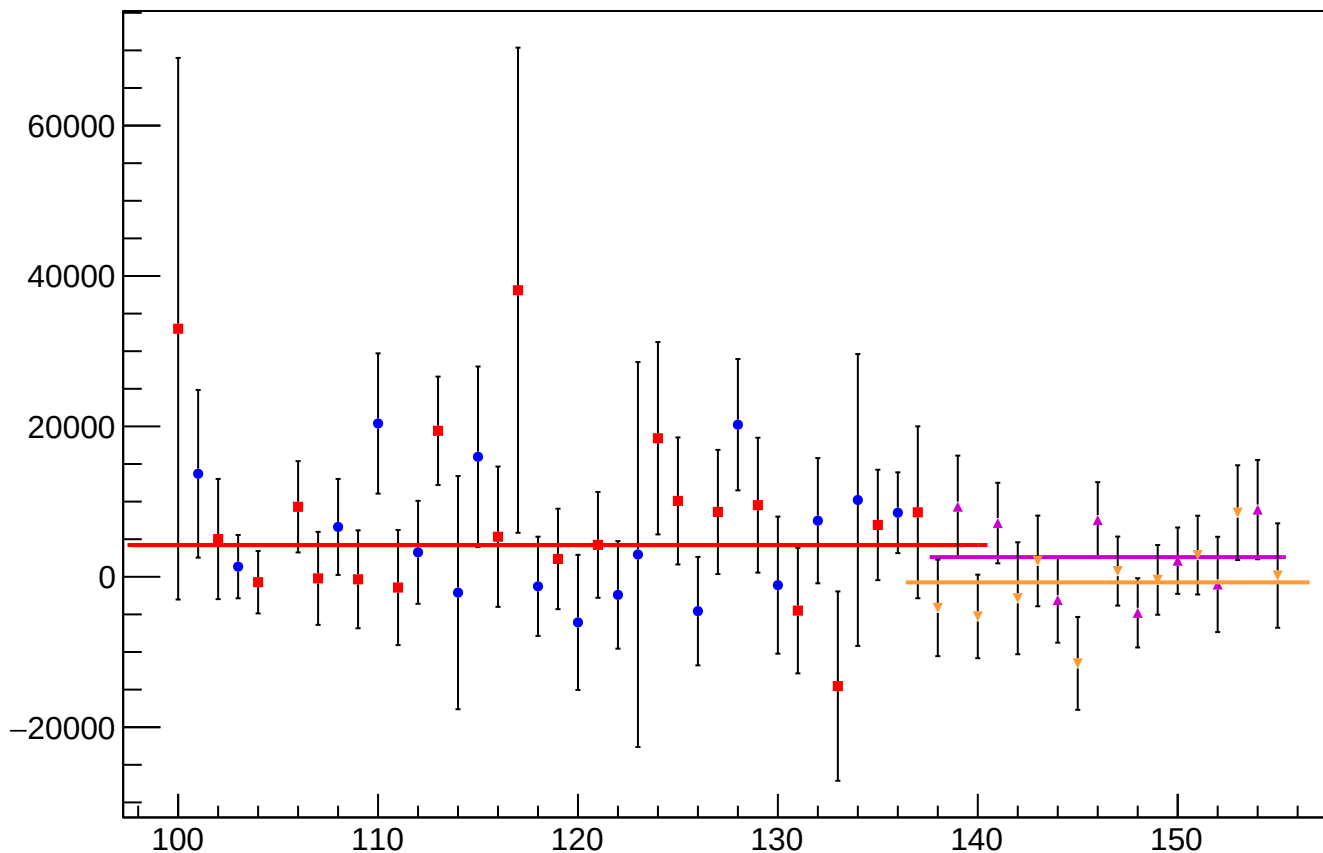
Left In: 4403.648 ± 1.233 $\chi^2/\text{NDF}: 353062.4/7$

4270.652 ± 0.827 $\chi^2/\text{NDF}: 1175039.3/26$

4132.902 ± 0.574 $\chi^2/\text{NDF}: 3049725.3/54$

4005.123 ± 0.796 $\chi^2/\text{NDF}: 1821180.9/27$

asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: -740.723+/-1811.017 χ^2/NDF : 7.1/9

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

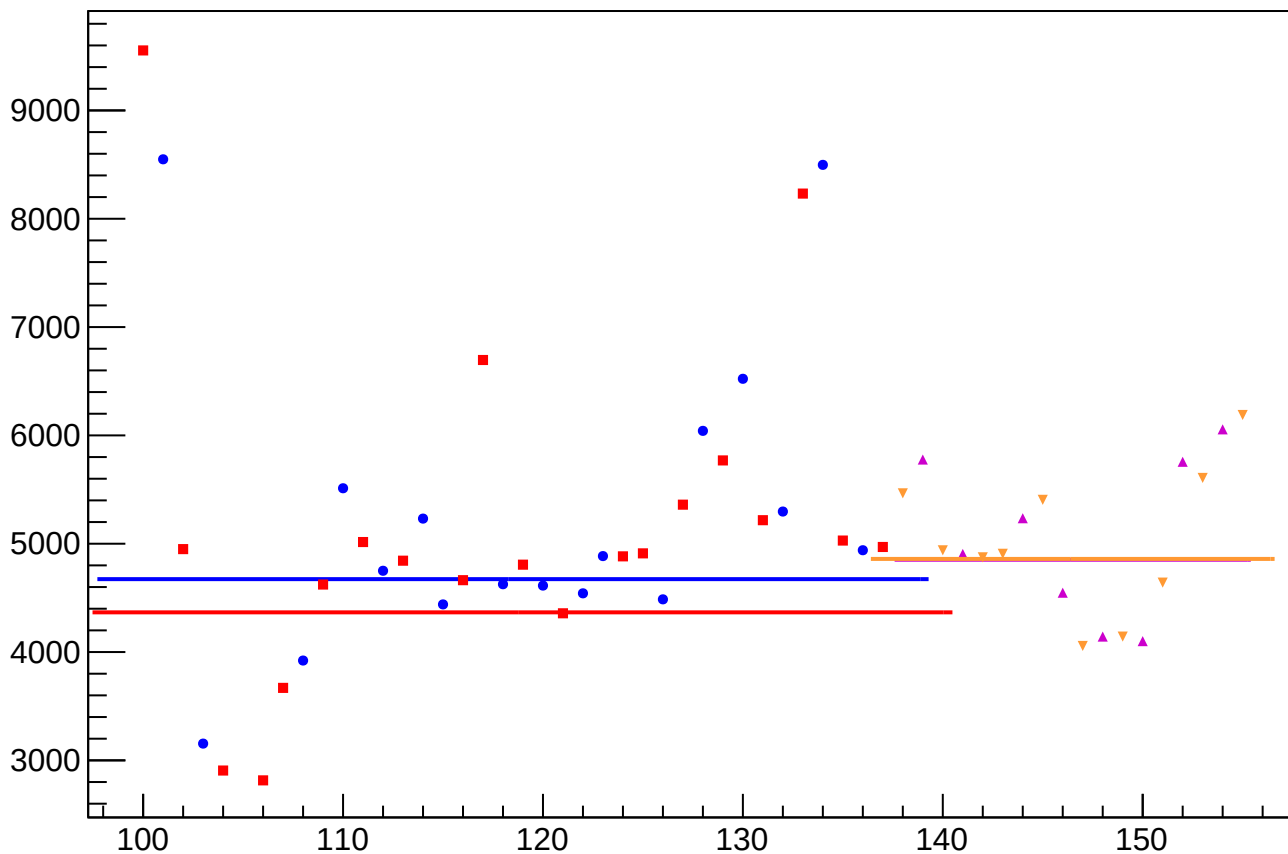
Left In: 2618.495+/-1913.209 χ^2/NDF : 7.5/7

1654.499+/-1301.374 χ^2/NDF : 25.1/26

2596.751+/-912.659 χ^2/NDF : 49.9/54

3508.700+/-1280.276 χ^2/NDF : 23.8/27

asym_atr_avg_rms vs Slug, Sign Corrected



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

Left Out: 4859.687 $\pm$ 1.281 χ^2 /NDF: 248076.8/9

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

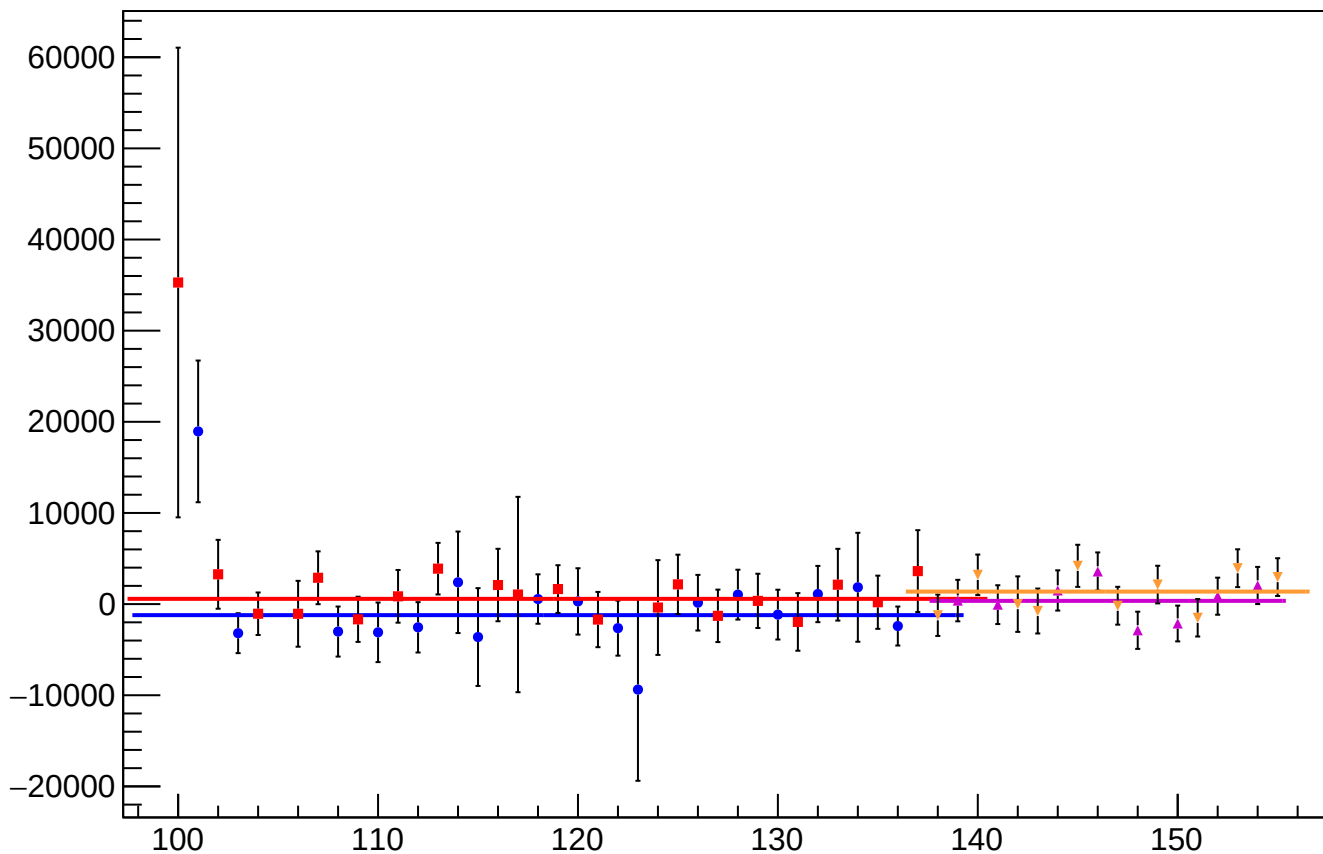
Left In: 4852.256 $\pm$ 1.353 χ^2 /NDF: 266405.2/7

4769.421 $\pm$ 0.920 χ^2 /NDF: 1035671.3/26

4674.181 $\pm$ 0.644 χ^2 /NDF: 2237328.2/54

4582.591 $\pm$ 0.902 χ^2 /NDF: 1180643.7/27

reg_asym_atr_dd_mean vs Slug, Sign Corrected



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

Left Out: 1373.647+/-702.767 χ^2/NDF : 9.2/9

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

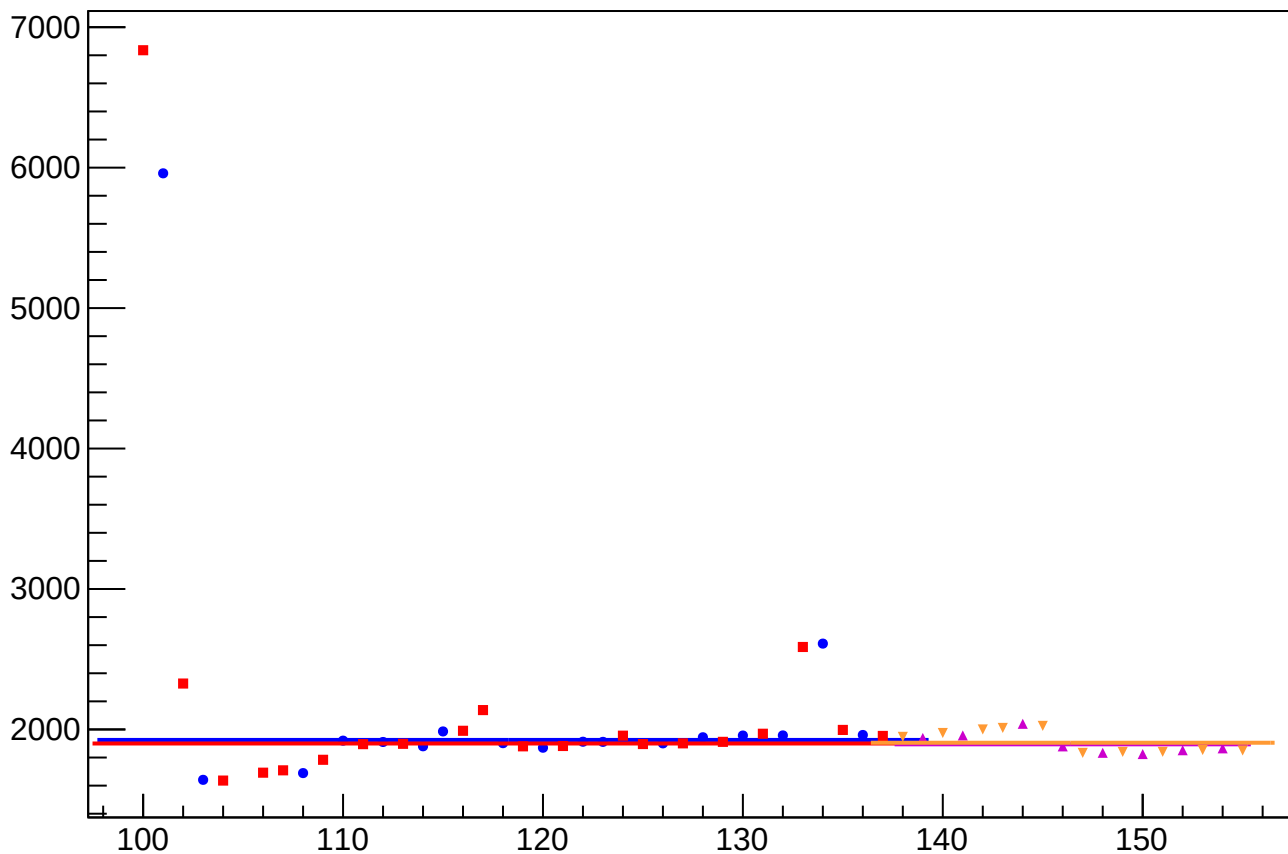
Left In: 354.898+/-739.112 χ^2/NDF : 7.6/7

191.129+/-517.627 χ^2/NDF : 28.1/26

328.599+/-366.506 χ^2/NDF : 44.5/54

466.804+/-519.010 χ^2/NDF : 16.3/27

reg_asym_atr_dd_rms vs Slug, Sign Corrected



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

Left Out: 1905.351+/-0.497 χ^2 /NDF: 22666.2/9

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

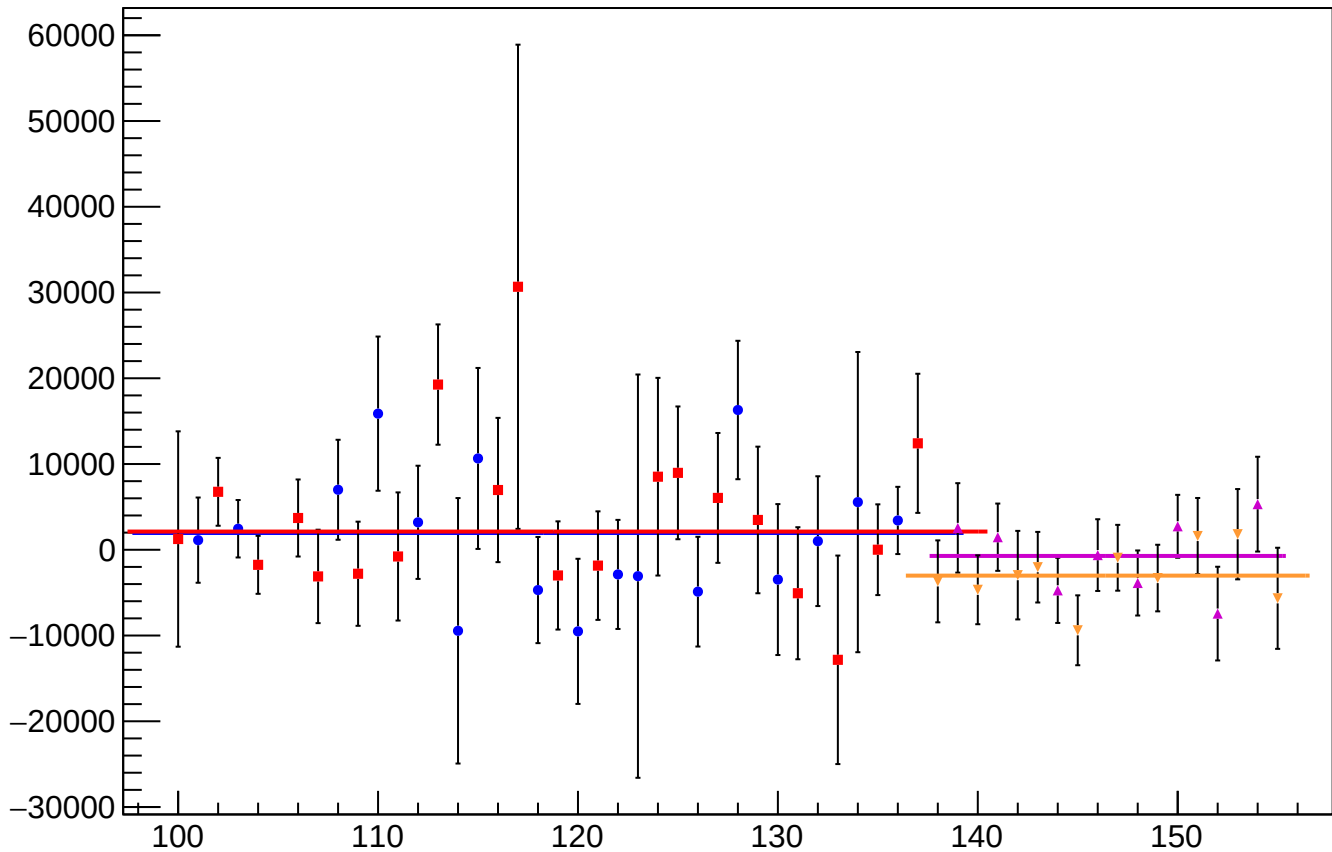
Left In: 1894.045+/-0.523 χ^2 /NDF: 16896.3/7

1914.487+/-0.366 χ^2 /NDF: 639268.5/26

1905.780+/-0.259 χ^2 /NDF: 869228.3/54

1897.047+/-0.367 χ^2 /NDF: 228826.4/27

asym_atr_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -3014.509 $\pm$ 1396.985 χ^2/NDF : 5.1/9

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

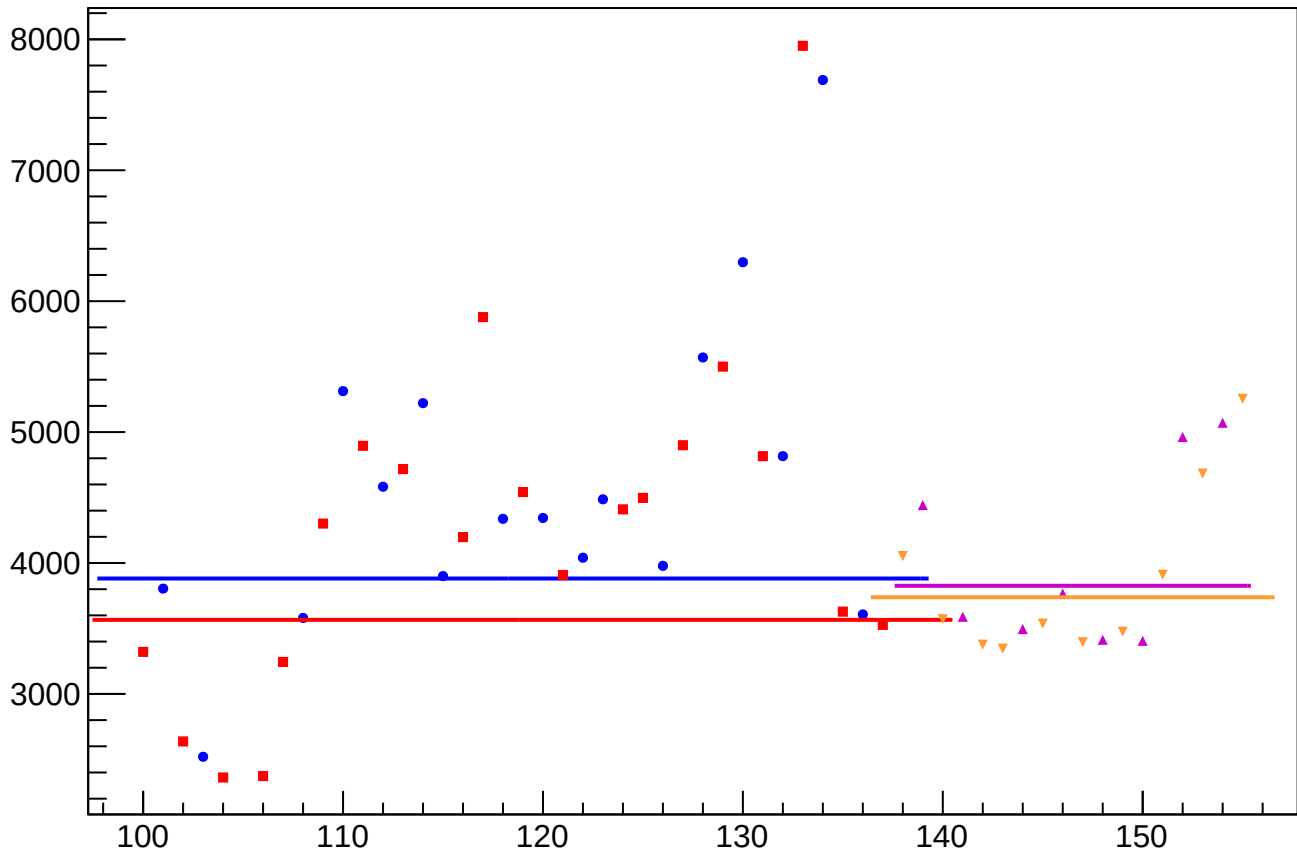
Left In: -719.067 $\pm$ 1510.542 χ^2/NDF : 6.1/7

-796.099 $\pm$ 1039.755 χ^2/NDF : 23.7/26

7.618 $\pm$ 732.269 χ^2/NDF : 51.4/54

798.569 $\pm$ 1031.464 χ^2/NDF : 26.5/27

asym_atr_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 3738.725+/-0.988 χ^2/NDF : 269727.4/9

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

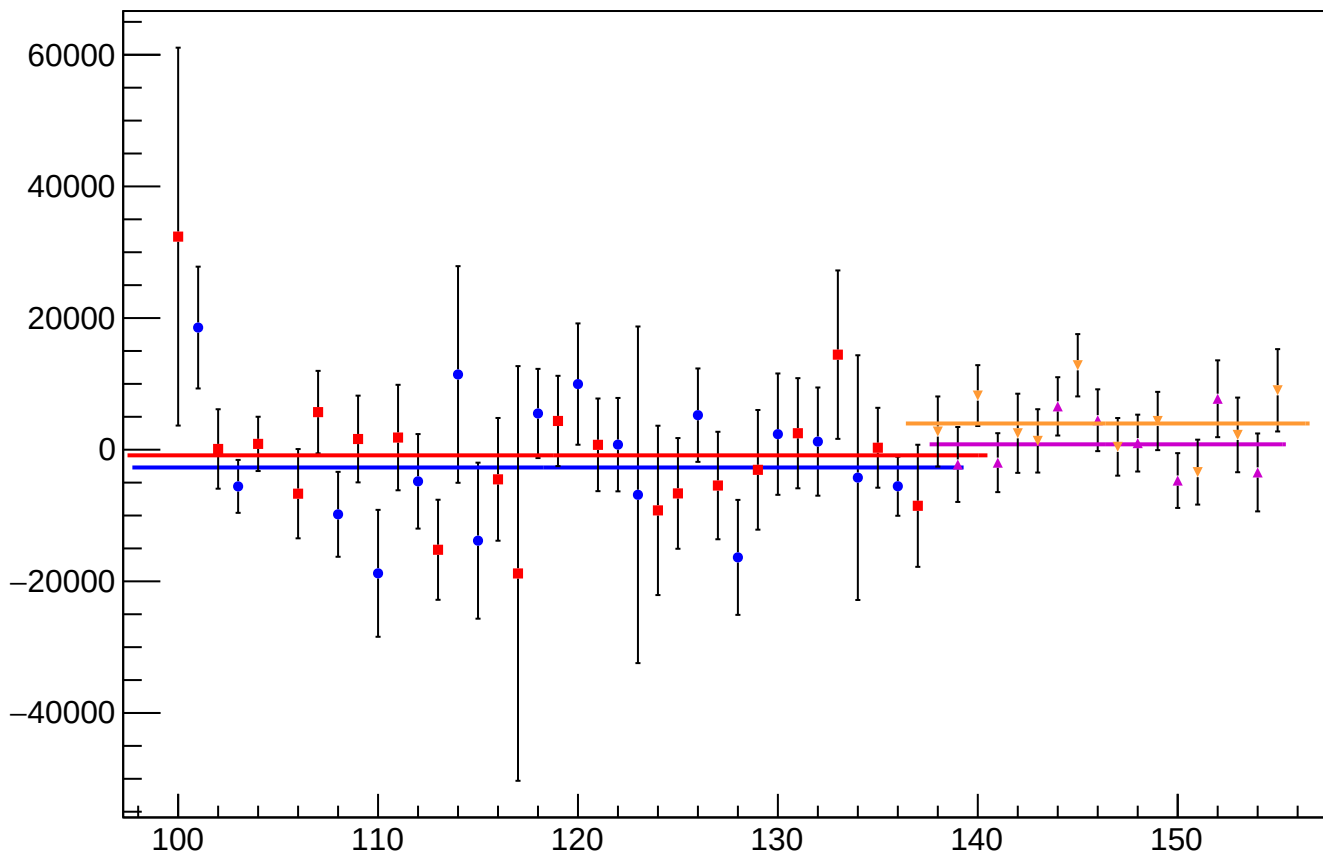
Left In: 3825.947+/-1.068 χ^2/NDF : 288663.2/7

3802.443+/-0.735 χ^2/NDF : 1096522.1/26

3744.324+/-0.518 χ^2/NDF : 2684205.8/54

3687.128+/-0.729 χ^2/NDF : 1575285.0/27

asym_atr_dd_mean vs Slug, Sign Corrected



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

Left Out: 3982.521 $\pm$ 1584.252 χ^2 /NDF: 8.4/9

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

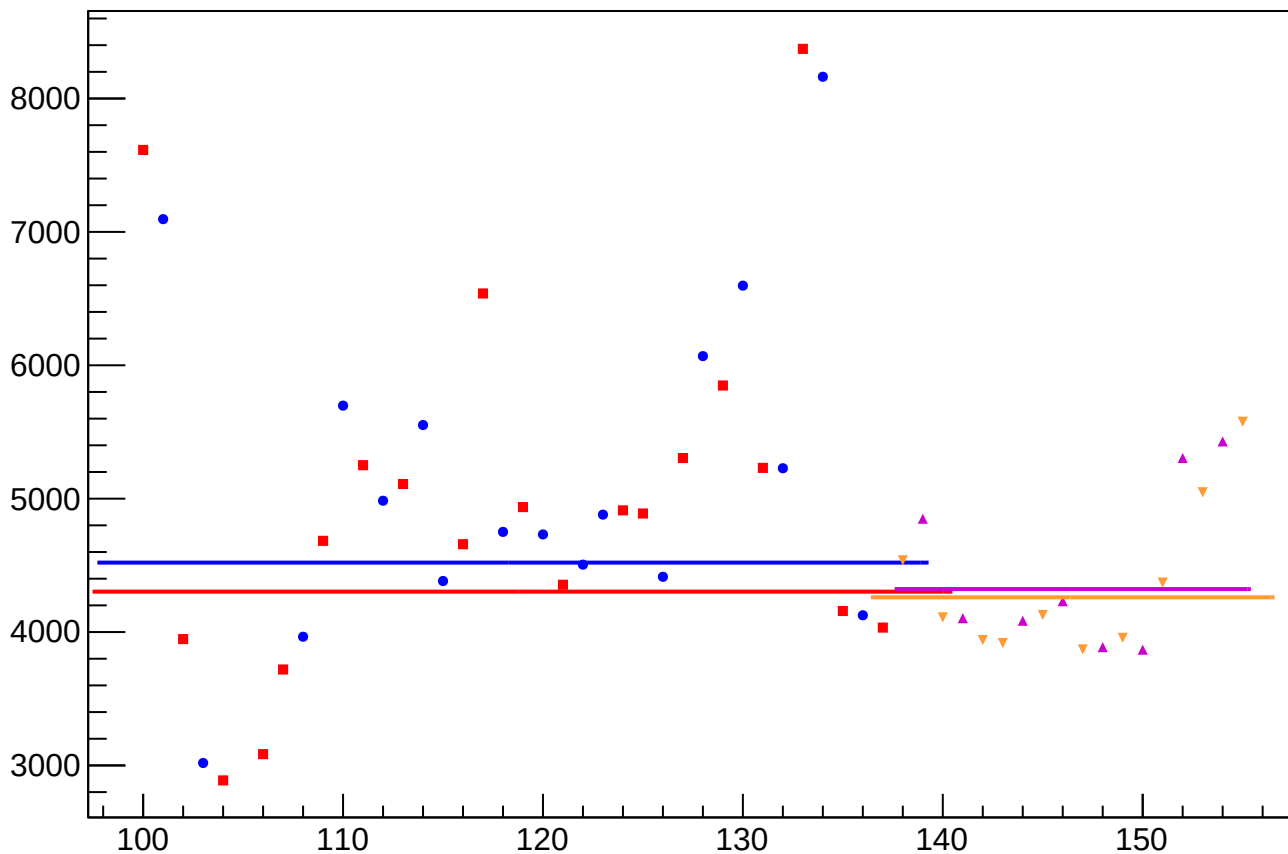
Left In: 817.415 $\pm$ 1699.504 χ^2 /NDF: 6.7/7

1081.732 $\pm$ 1191.837 χ^2 /NDF: 35.9/26

530.631 $\pm$ 844.792 χ^2 /NDF: 55.3/54

-25.827 $\pm$ 1197.616 χ^2 /NDF: 19.0/27

asym_atr_dd_rms vs Slug, Sign Corrected



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

Left Out: 4260.345 $\pm$ 1.120 χ^2 /NDF: 178409.2/9

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

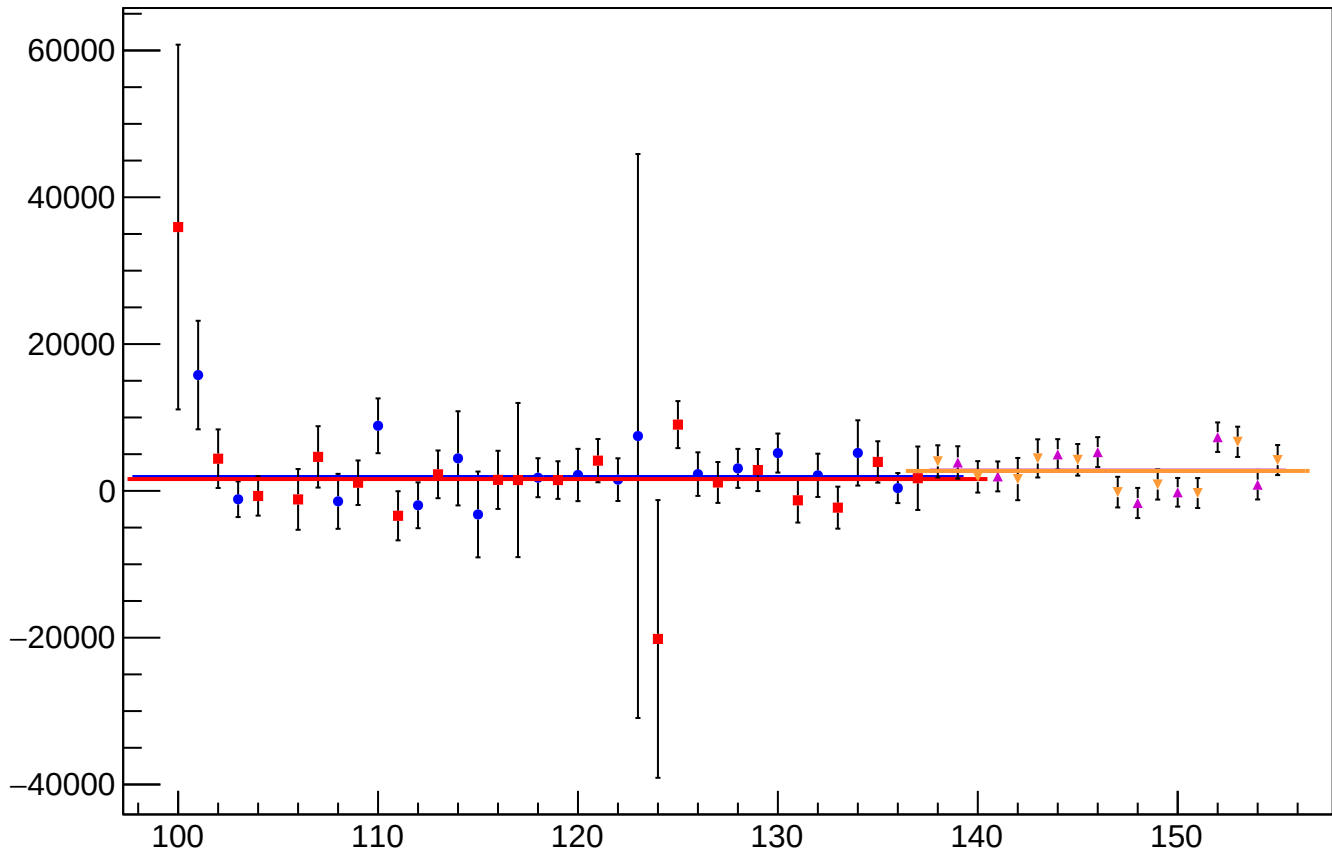
Left In: 4322.296 $\pm$ 1.202 χ^2 /NDF: 199172.3/7

4373.343 $\pm$ 0.843 χ^2 /NDF: 972738.5/26

4342.970 $\pm$ 0.597 χ^2 /NDF: 1956531.8/54

4312.474 $\pm$ 0.844 χ^2 /NDF: 981190.3/27

reg_asym_at1_avg_mean vs Slug, Sign Corrected



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

Left Out: 2718.138+/-691.283 χ^2/NDF : 10.7/9

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

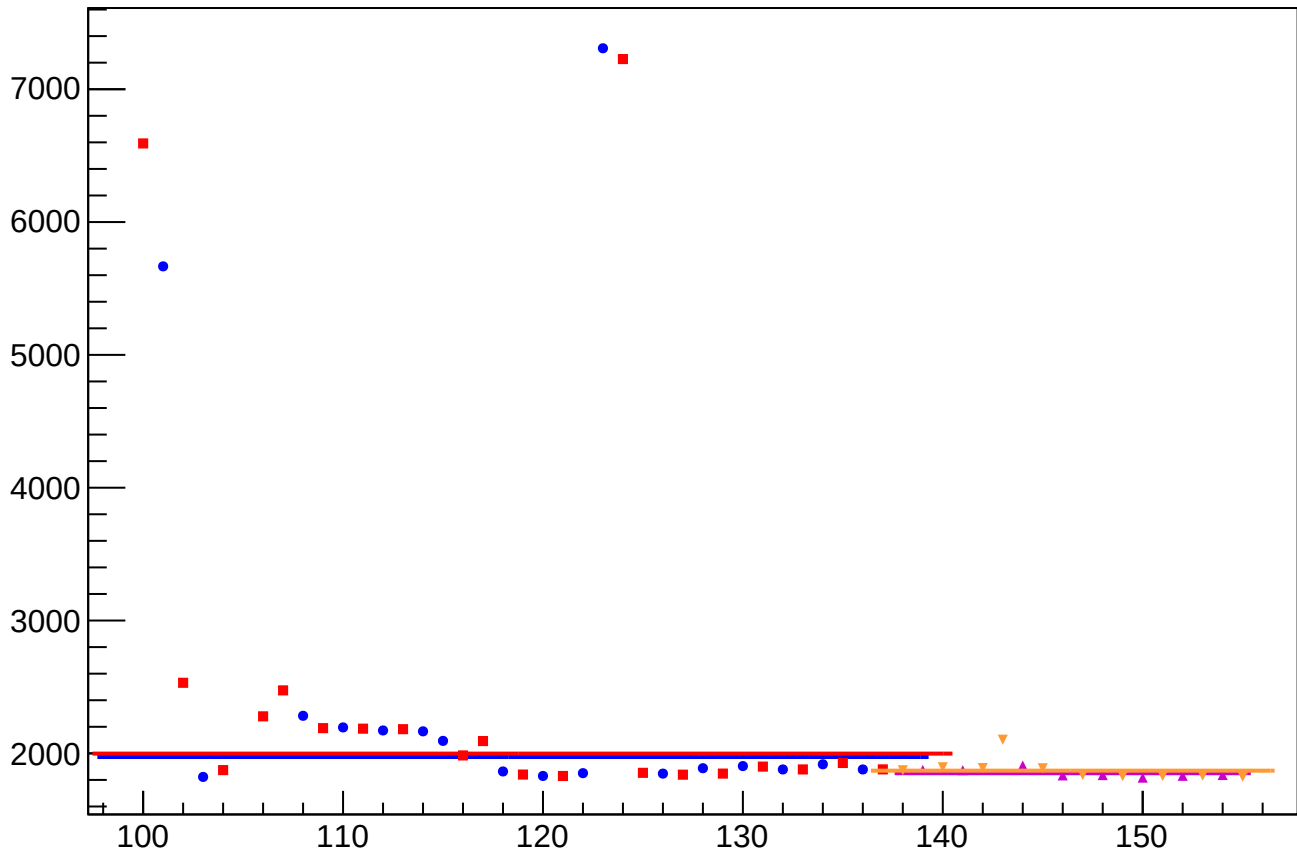
Left In: 2756.449+/-723.199 χ^2/NDF : 16.0/7

2354.908+/-518.458 χ^2/NDF : 26.0/26

2285.519+/-368.949 χ^2/NDF : 60.7/54

2214.328+/-525.151 χ^2/NDF : 34.7/27

reg_asym_at1_avg_rms vs Slug, Sign Corrected



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

Left Out: 1869.765+/-0.489 χ^2/NDF : 20357.4/9

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

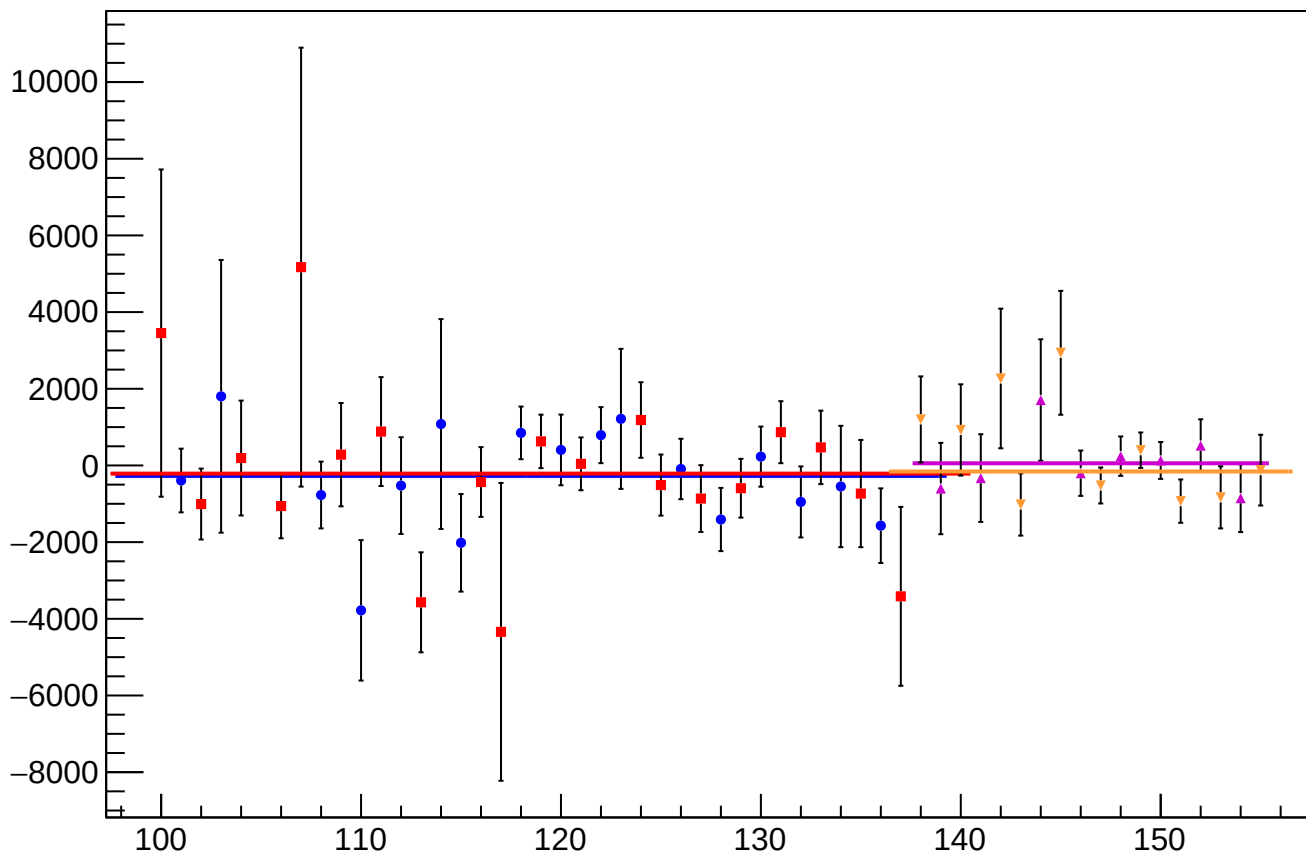
Left In: 1850.568+/-0.511 χ^2/NDF : 3144.4/7

1914.706+/-0.367 χ^2/NDF : 640547.0/26

1917.482+/-0.261 χ^2/NDF : 1038913.6/54

1920.331+/-0.371 χ^2/NDF : 398250.4/27

asym_at1_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -157.884+/-230.995 χ^2/NDF : 13.5/9

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

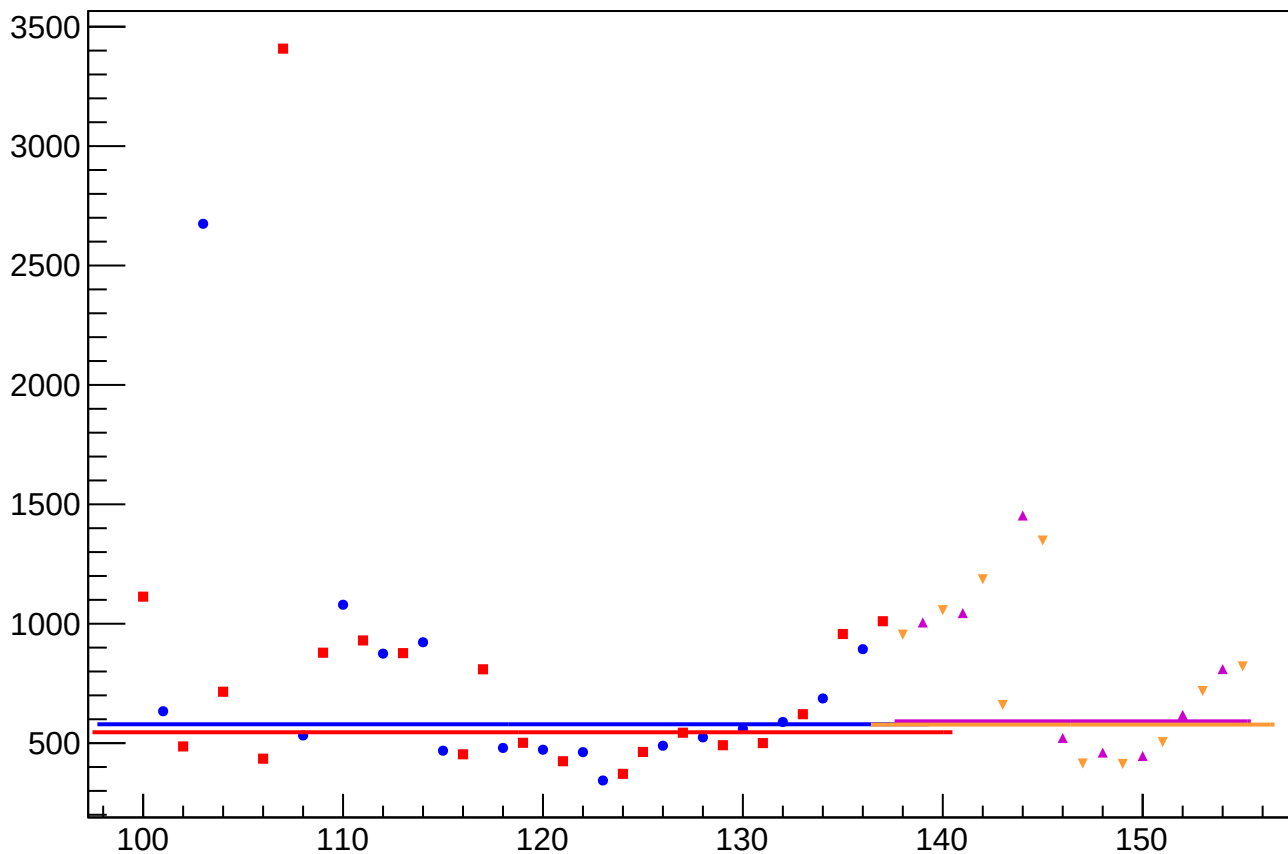
Left In: 56.529+/-248.195 χ^2/NDF : 3.4/7

-212.601+/-166.502 χ^2/NDF : 30.8/26

-151.487+/-118.317 χ^2/NDF : 55.9/54

-89.149+/-168.161 χ^2/NDF : 24.8/27

asym_at1_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 577.676+/-0.163 χ^2/NDF : 1976399.6/9

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

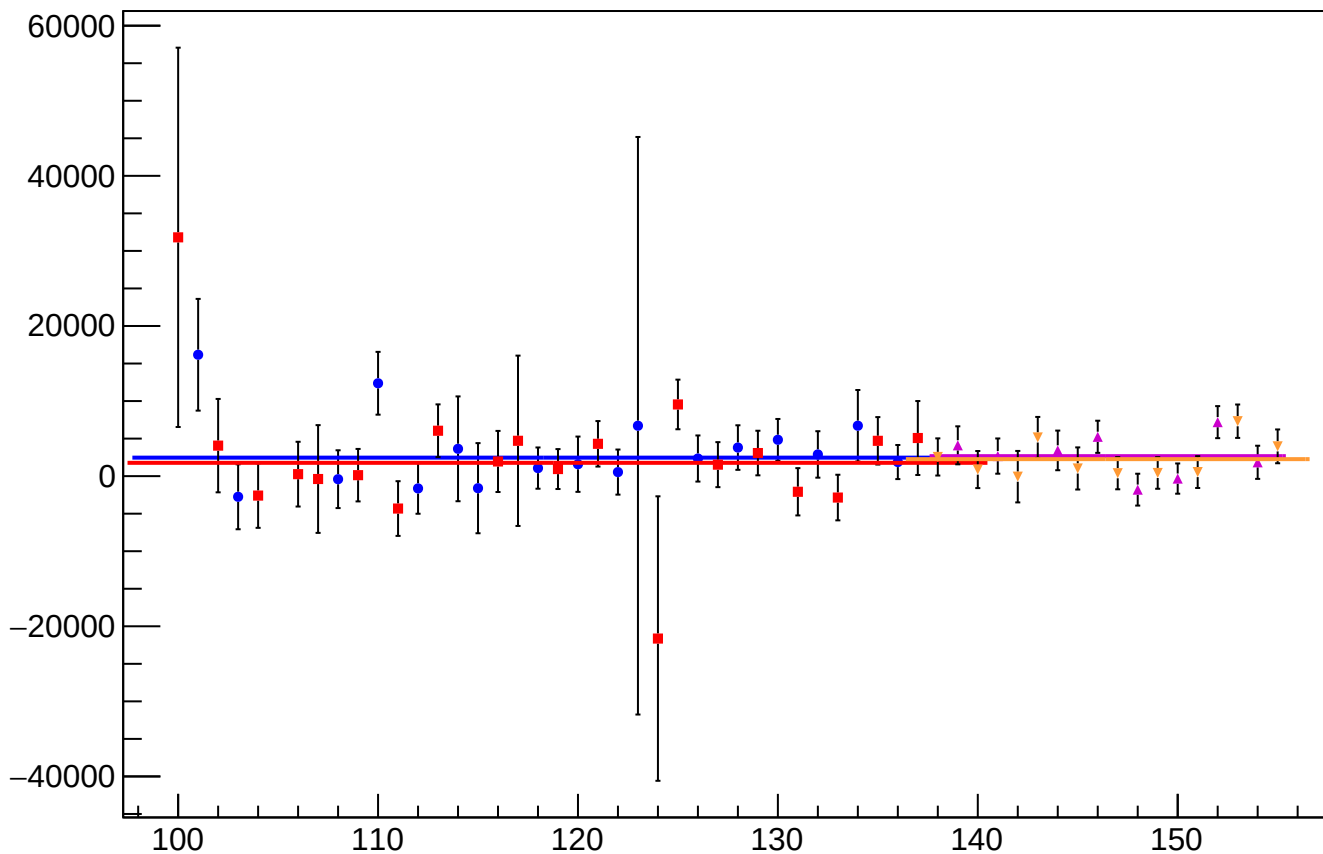
Left In: 591.196+/-0.176 χ^2/NDF : 1613390.6/7

578.317+/-0.118 χ^2/NDF : 3398580.2/26

572.480+/-0.084 χ^2/NDF : 6520505.0/54

566.526+/-0.119 χ^2/NDF : 3116959.6/27

asym_at1_avg_mean vs Slug, Sign Corrected



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

Left Out: 2264.232 $\pm$ 758.407 χ^2 /NDF:10.0/9

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

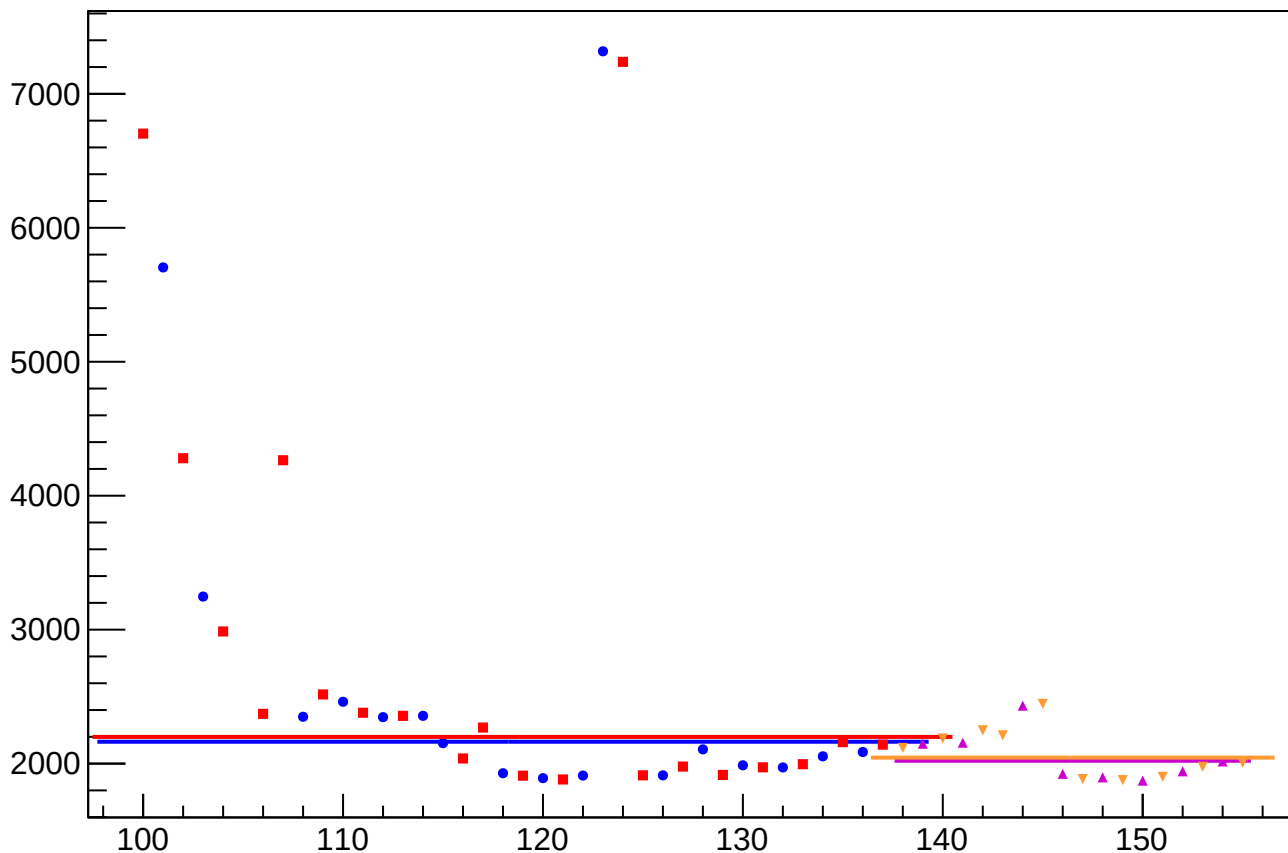
Left In: 2661.284 $\pm$ 792.384 χ^2 /NDF:13.1/7

2351.293 $\pm$ 569.741 χ^2 /NDF: 25.6/26

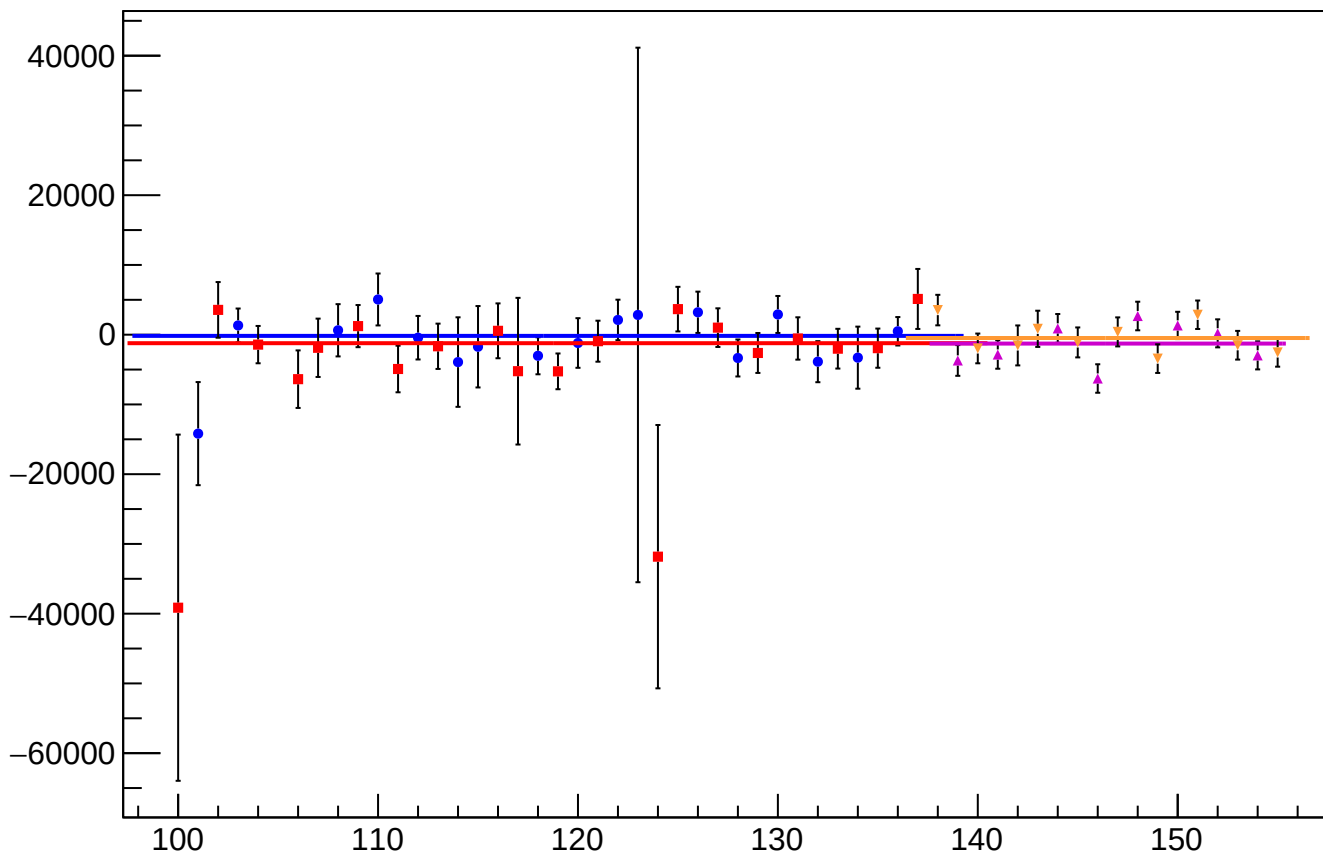
2301.005 $\pm$ 406.405 χ^2 /NDF: 59.9/54

2248.911 $\pm$ 579.881 χ^2 /NDF: 34.3/27

asym_at1_avg_rms vs Slug, Sign Corrected



reg_asym_at1_dd_mean vs Slug, Sign Corrected

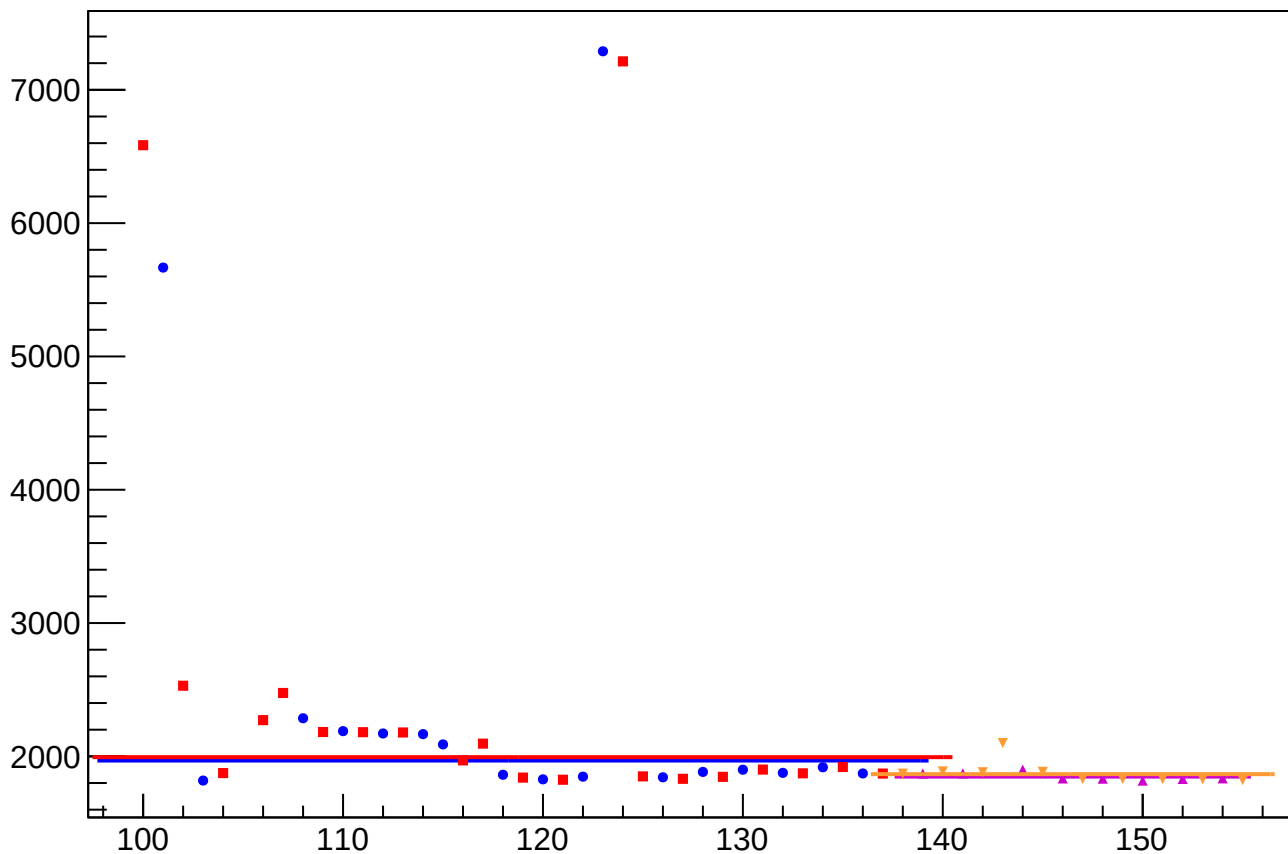


-342.515+/-517.522 χ^2 /NDF: 25.1/26

-789.444+/-368.313 χ^2 /NDF: 60.6/54

-1248.139+/-524.290 χ^2 /NDF: 34.0/27

reg_asym_at1_dd_rms vs Slug, Sign Corrected



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

Left Out: 1866.429+/-0.488 χ^2/NDF : 20081.4/9

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

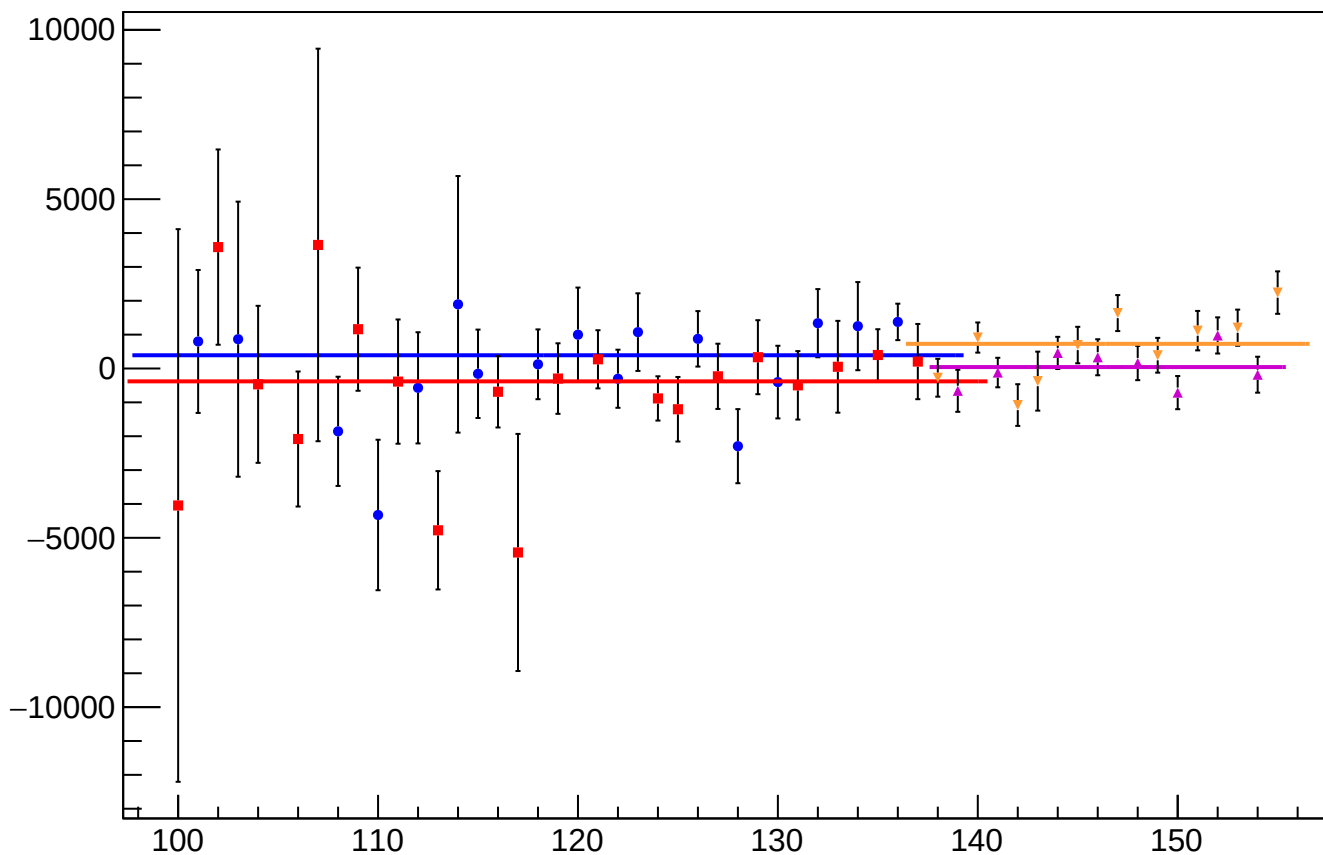
Left In: 1848.271+/-0.511 χ^2/NDF : 2703.4/7

1911.147+/-0.366 χ^2/NDF : 642250.1/26

1914.132+/-0.260 χ^2/NDF : 1039943.4/54

1917.196+/-0.371 χ^2/NDF : 397558.5/27

asym_at1_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 728.006 $\pm$ 176.845 χ^2 /NDF:24.0/9

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

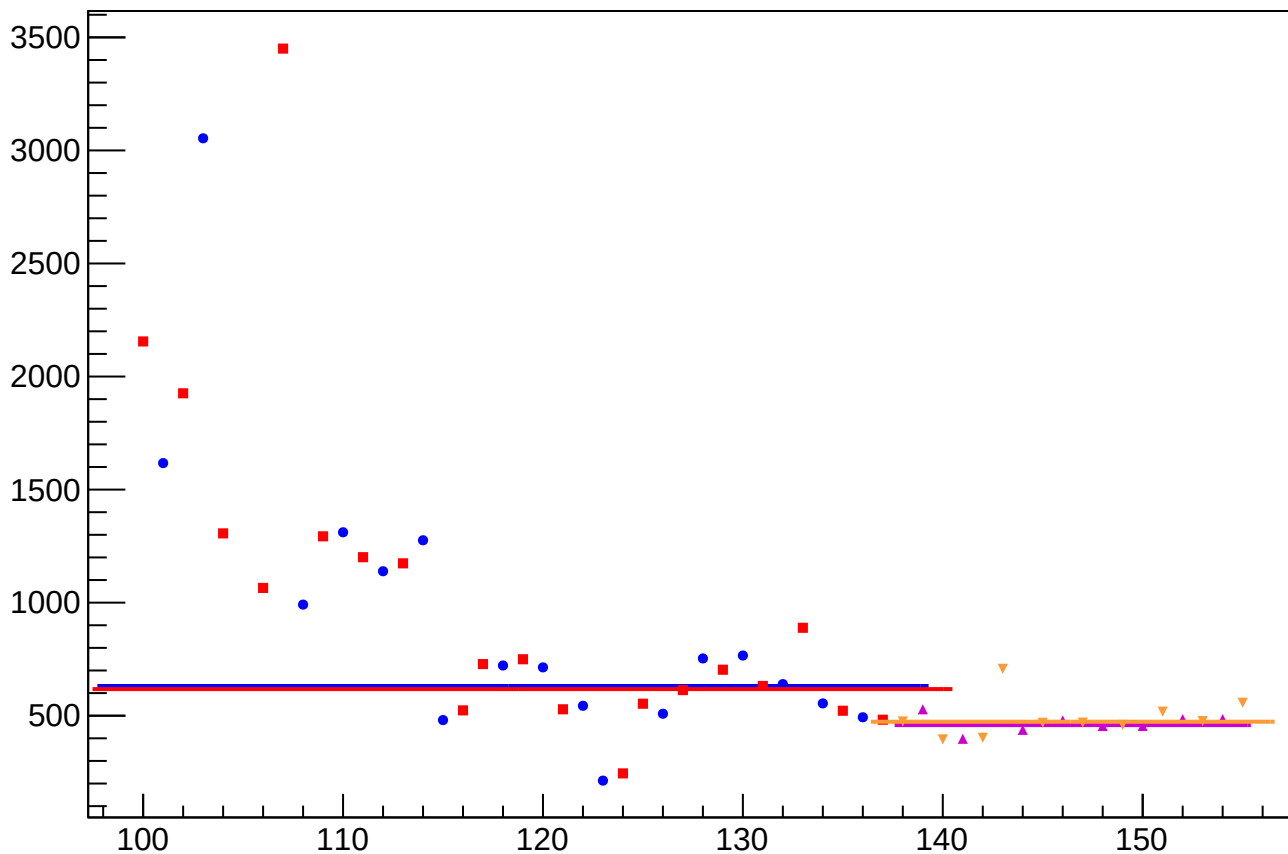
Left In: 42.107 $\pm$ 179.757 χ^2 /NDF:8.1/7

626.878 $\pm$ 147.958 χ^2 /NDF: 45.2/26

270.207 $\pm$ 104.925 χ^2 /NDF: 83.1/54

-90.631 $\pm$ 148.820 χ^2 /NDF: 26.2/27

asym_at1_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 473.393 $\pm$ 0.125 χ^2 /NDF: 281933.8/9

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

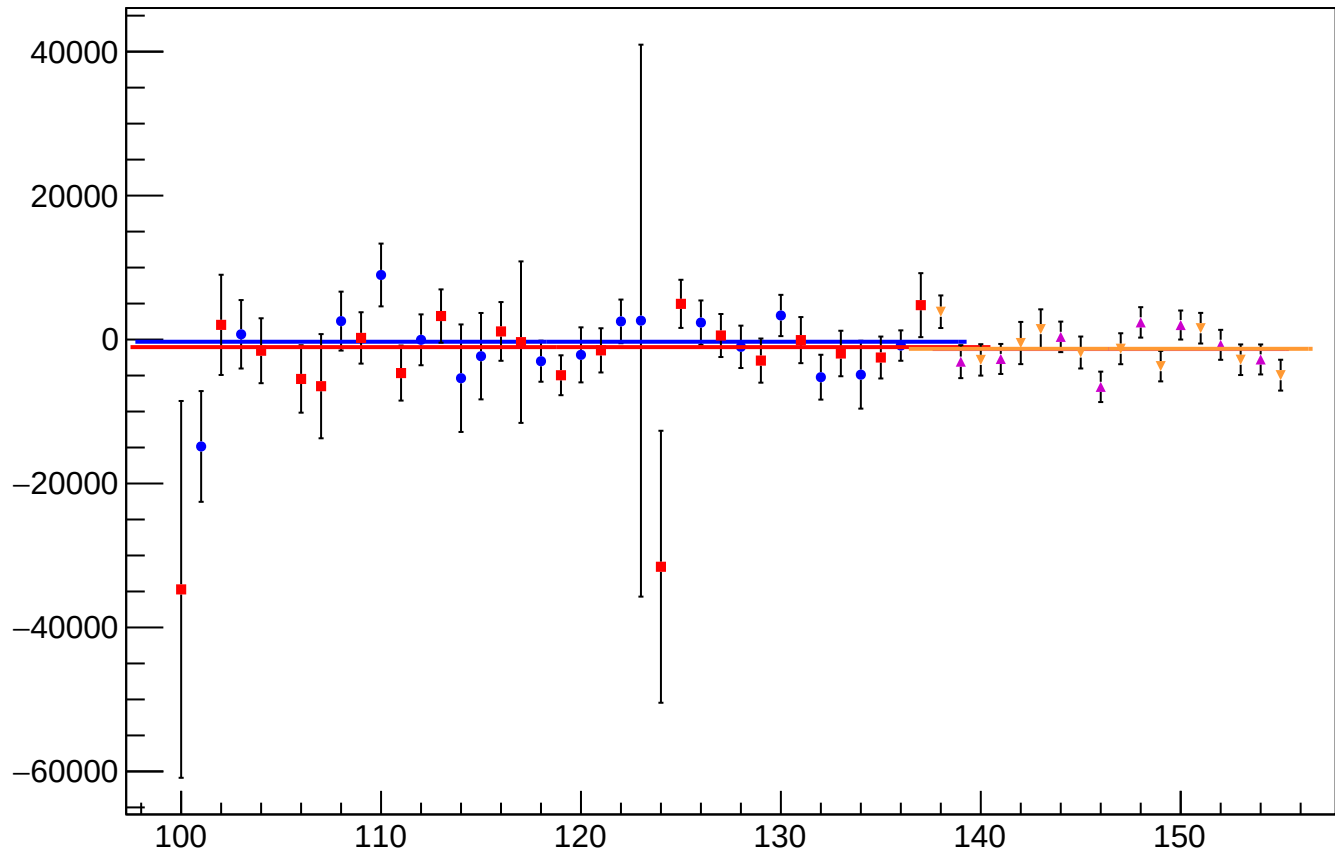
Left In: 458.423 $\pm$ 0.127 χ^2 /NDF: 81161.8/7

520.805 $\pm$ 0.105 χ^2 /NDF: 3021806.6/26

514.699 $\pm$ 0.074 χ^2 /NDF: 6407800.4/54

508.522 $\pm$ 0.105 χ^2 /NDF: 3379141.7/27

asym_at1_dd_mean vs Slug, Sign Corrected



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

Left Out: -1286.976+/-715.059 χ^2/NDF :13.3/9

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

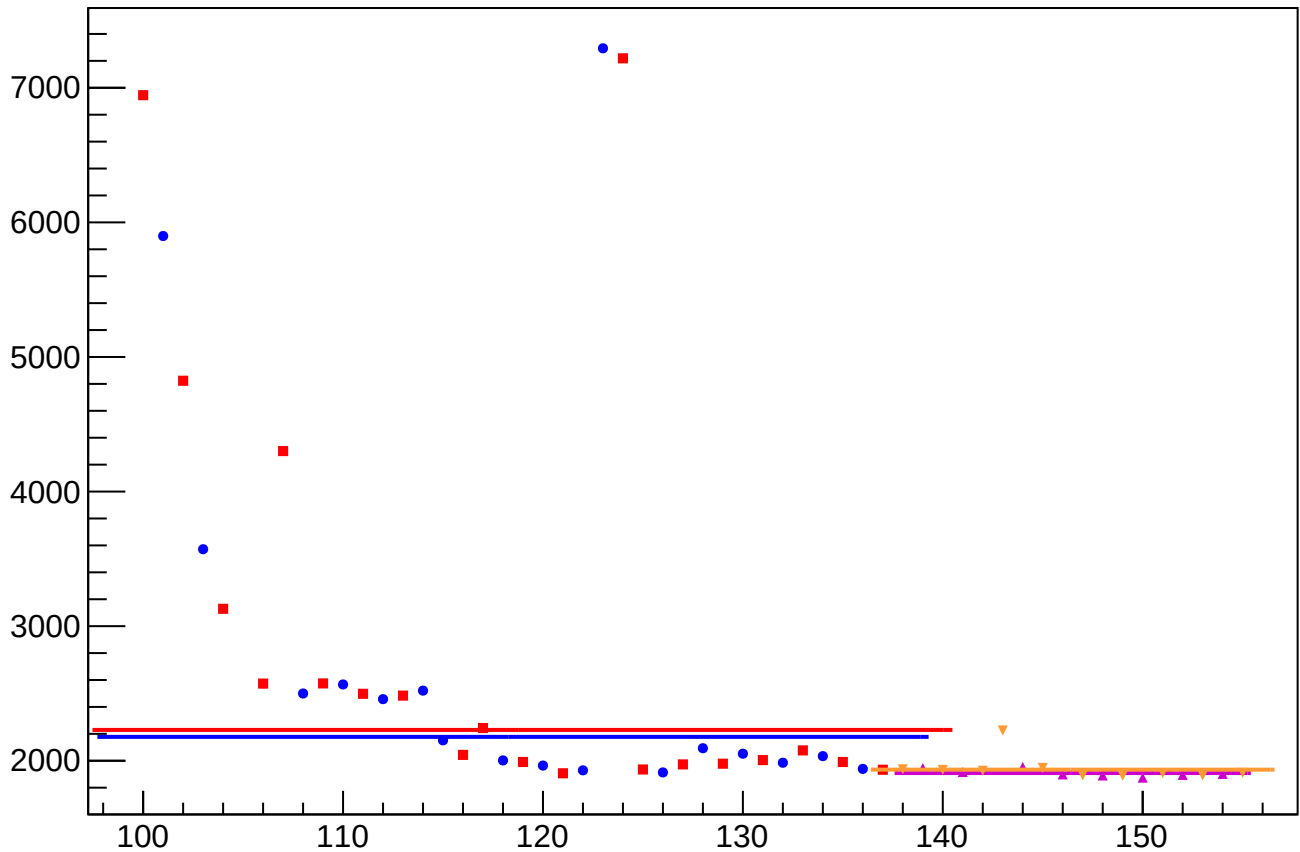
Left In: -1318.043+/-745.785 χ^2/NDF :14.2/7

-892.397+/-552.907 χ^2/NDF : 31.2/26

-1045.320+/-395.100 χ^2/NDF : 62.3/54

-1204.890+/-564.796 χ^2/NDF : 30.9/27

asym_at1_dd_rms vs Slug, Sign Corrected



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

Left Out: 1933.964+/-0.506 χ^2/NDF : 25557.5/9

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

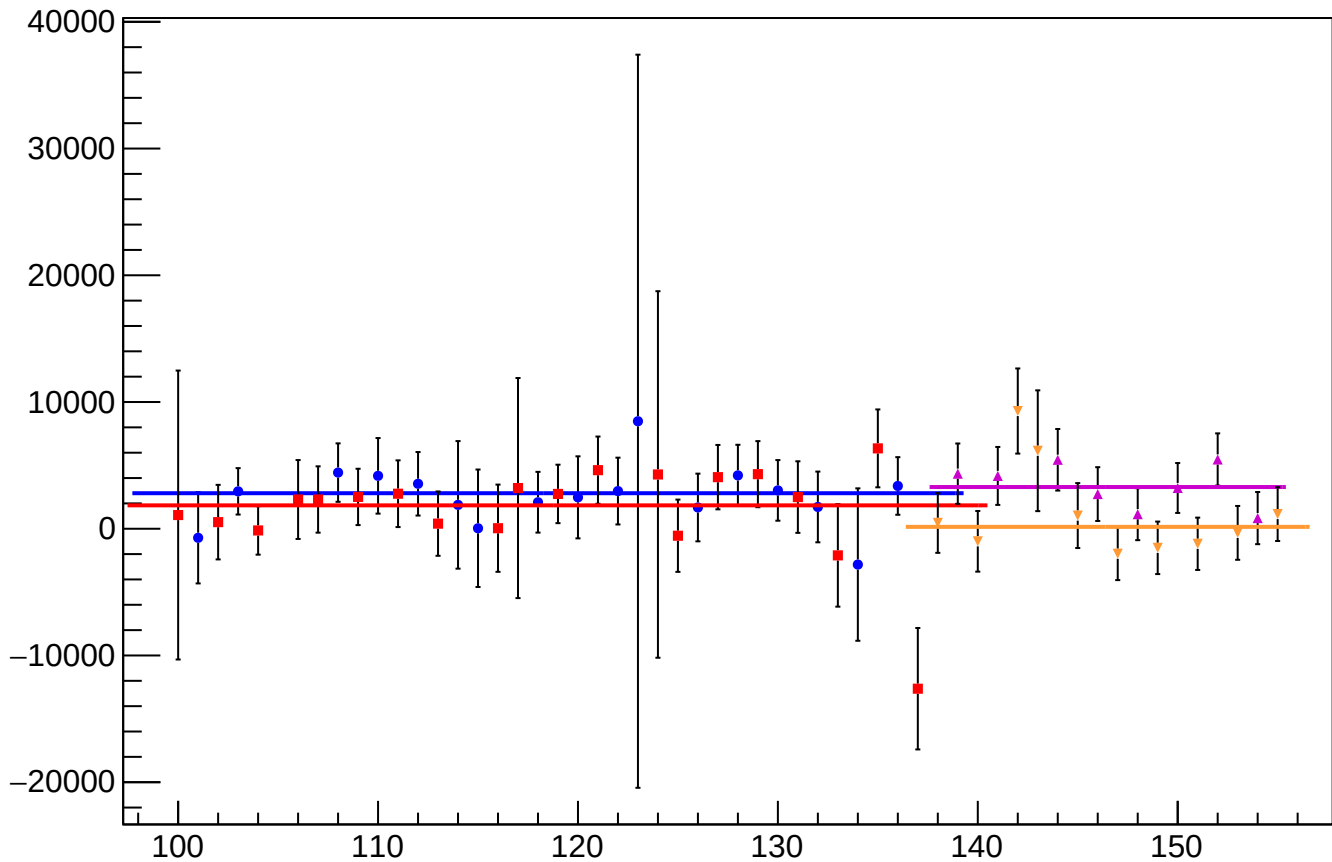
Left In: 1908.625+/-0.527 χ^2/NDF : 2338.3/7

2031.871+/-0.391 χ^2/NDF : 921640.0/26

2038.441+/-0.279 χ^2/NDF : 1977864.6/54

2045.297+/-0.399 χ^2/NDF : 1055647.5/27

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2803.917 $\pm$ 678.548 χ^2 /NDF: 3.9/16

Left Out: 147.820 $\pm$ 749.523 χ^2 /NDF: 11.7/9

Right Out: 1844.945 $\pm$ 653.448 χ^2 /NDF: 18.1/19

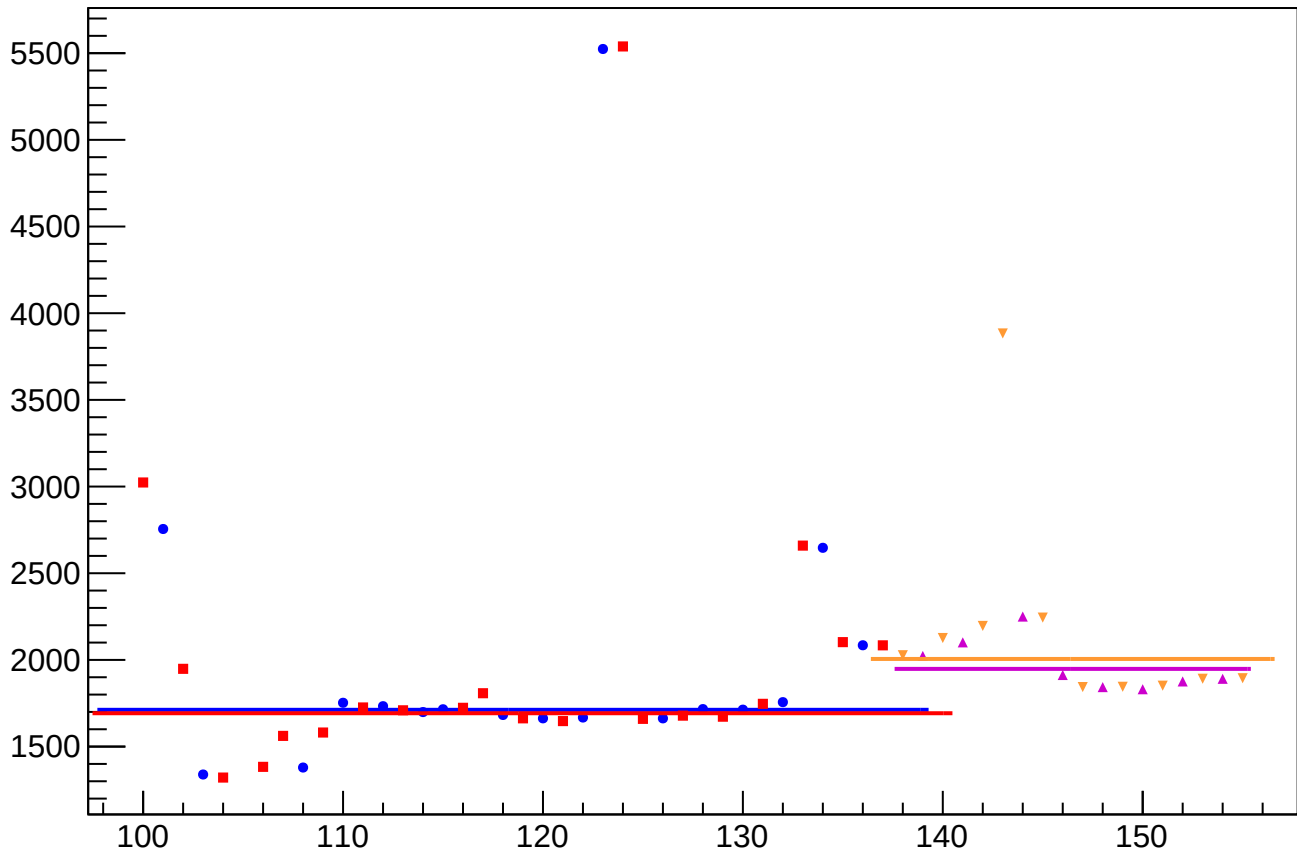
Left In: 3291.157 $\pm$ 760.952 χ^2 /NDF: 4.8/7

1607.550 $\pm$ 503.031 χ^2 /NDF: 22.5/26

2039.363 $\pm$ 353.093 χ^2 /NDF: 49.0/54

2458.760 $\pm$ 495.747 χ^2 /NDF: 25.0/27

reg_asym_at2_avg_rms vs Slug, Sign Corrected



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

Left Out: 2005.537+/-0.530 χ^2/NDF : 386124.8/9

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

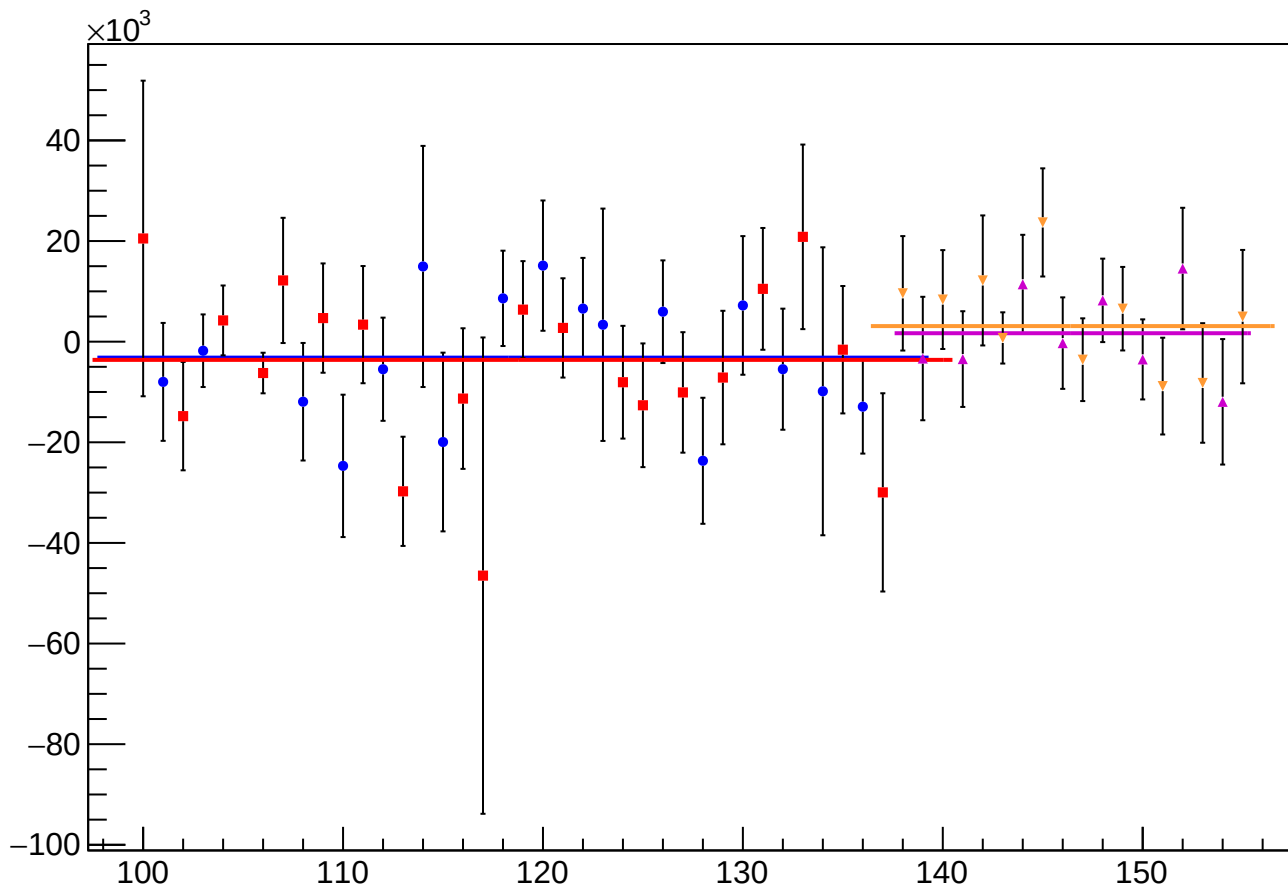
Left In: 1948.234+/-0.538 χ^2/NDF : 58735.4/7

1844.300+/-0.356 χ^2/NDF : 987010.3/26

1822.327+/-0.250 χ^2/NDF : 1638658.6/54

1800.985+/-0.351 χ^2/NDF : 644125.3/27

asym_at2_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 3095.085+/-2837.543 χ^2 /NDF: 8.3/9

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

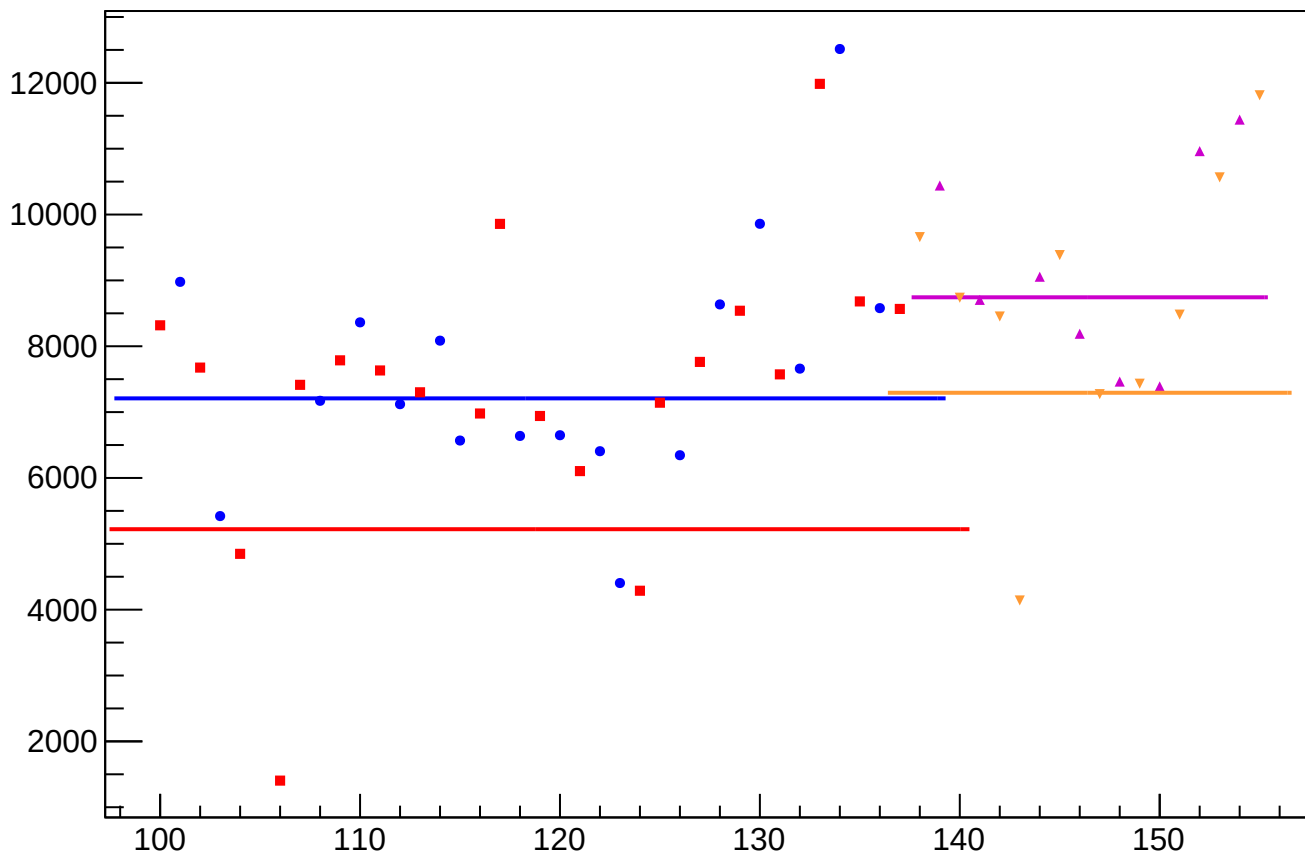
Left In: 1678.225+/-3455.120 χ^2 /NDF: 4.9/7

-23.173+/-2011.531 χ^2 /NDF: 25.1/26

-1085.752+/-1378.799 χ^2 /NDF: 52.5/54

-2027.426+/-1893.636 χ^2 /NDF: 26.8/27

asym_at2_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 7293.679 $\pm$ 2.006 χ^2 /NDF: 1403669.1/9

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

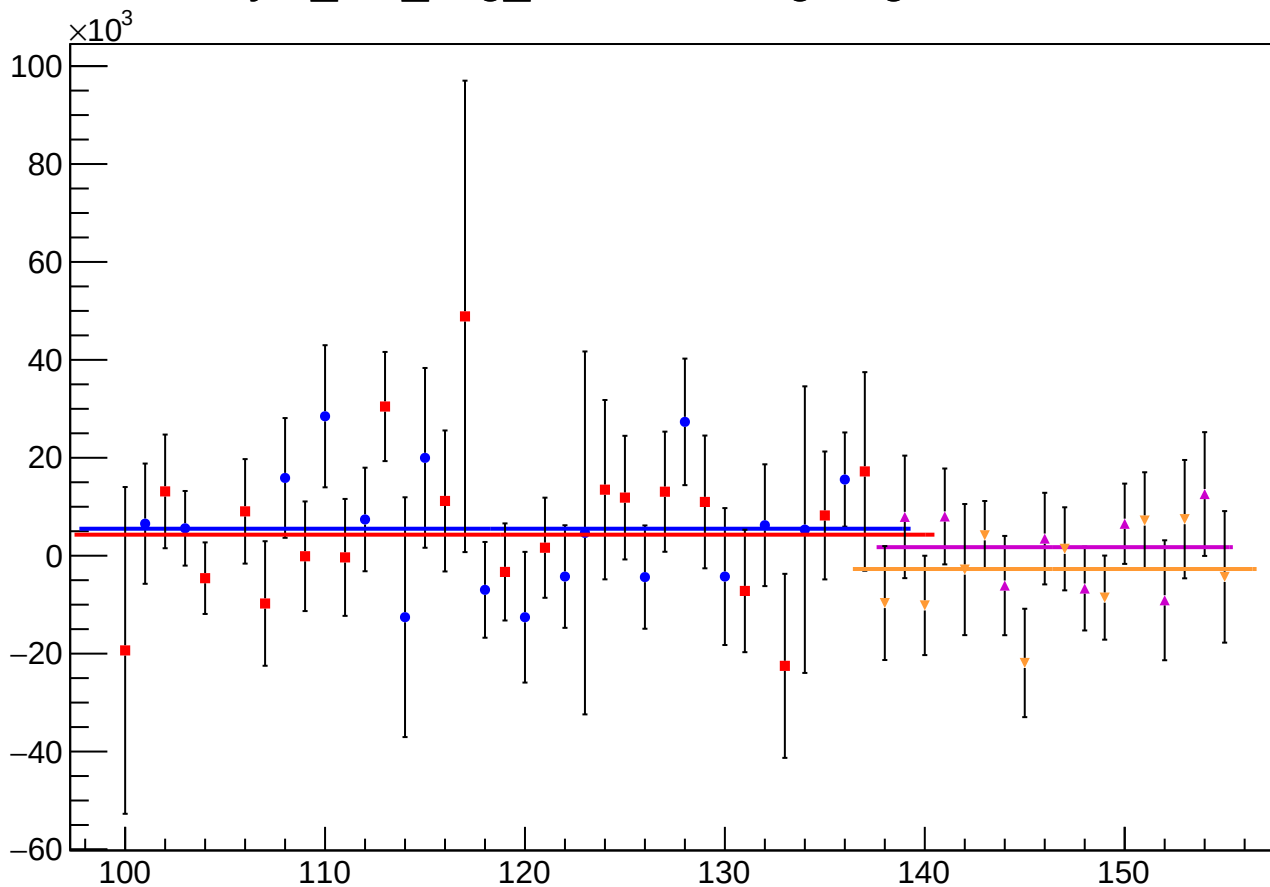
Left In: 8743.346 $\pm$ 2.443 χ^2 /NDF: 314445.9/7

7251.339 $\pm$ 1.422 χ^2 /NDF: 1873866.2/26

6736.162 $\pm$ 0.975 χ^2 /NDF: 7105411.1/54

6279.603 $\pm$ 1.339 χ^2 /NDF: 4984098.4/27

asym_at2_avg_mean vs Slug, Sign Corrected



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

Left Out: -2715.980 $\pm$ 3141.390 χ^2 /NDF: 7.3/9

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

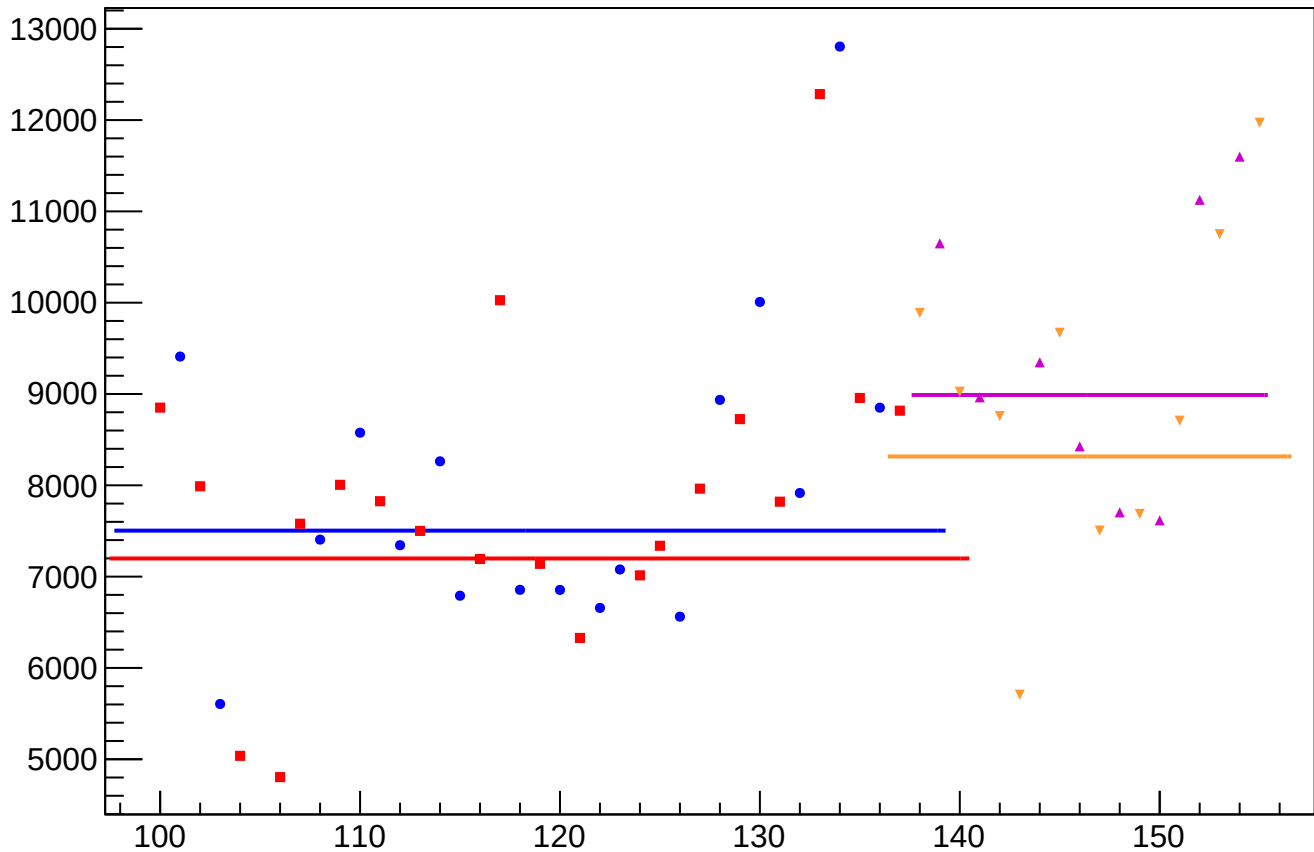
Left In: 1745.453 $\pm$ 3548.492 χ^2 /NDF: 4.1/7

1625.775 $\pm$ 2158.551 χ^2 /NDF: 25.0/26

2461.911 $\pm$ 1537.701 χ^2 /NDF: 46.0/54

3323.445 $\pm$ 2191.088 χ^2 /NDF: 20.7/27

asym_at2_avg_rms vs Slug, Sign Corrected



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

Left Out: 8316.090 $\pm$ 2.221 χ^2 /NDF: 617169.9/9

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

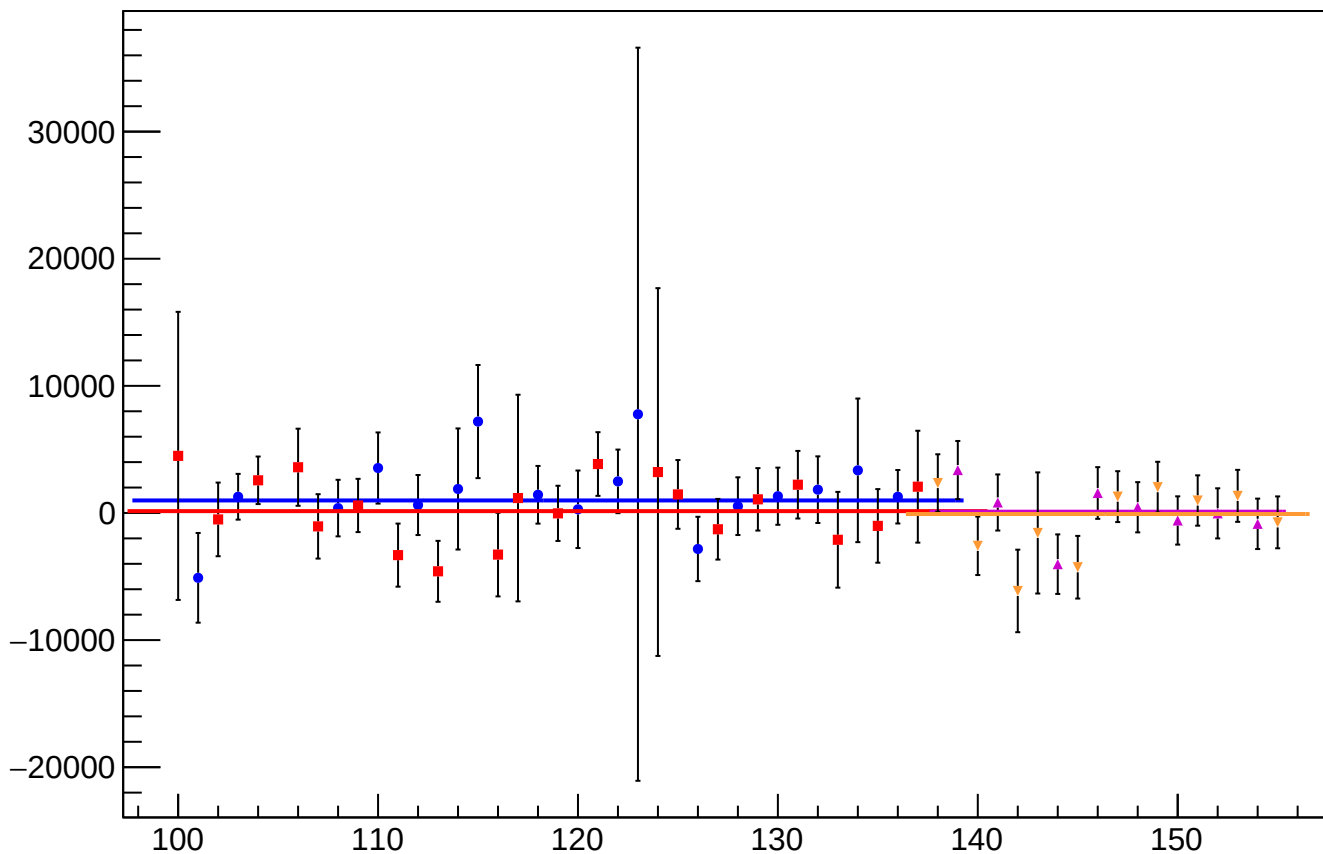
Left In: 8989.345 $\pm$ 2.509 χ^2 /NDF: 292296.5/7

7887.243 $\pm$ 1.526 χ^2 /NDF: 1115094.2/26

7884.329 $\pm$ 1.087 χ^2 /NDF: 2287158.2/54

7881.328 $\pm$ 1.549 χ^2 /NDF: 1172056.7/27

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 985.452±/-644.630 χ^2 /NDF: 9.1/16

Left Out: -82.503±/-721.140 χ^2 /NDF:11.3/9

Right Out: 144.683±/-621.728 χ^2 /NDF: 14.7/19

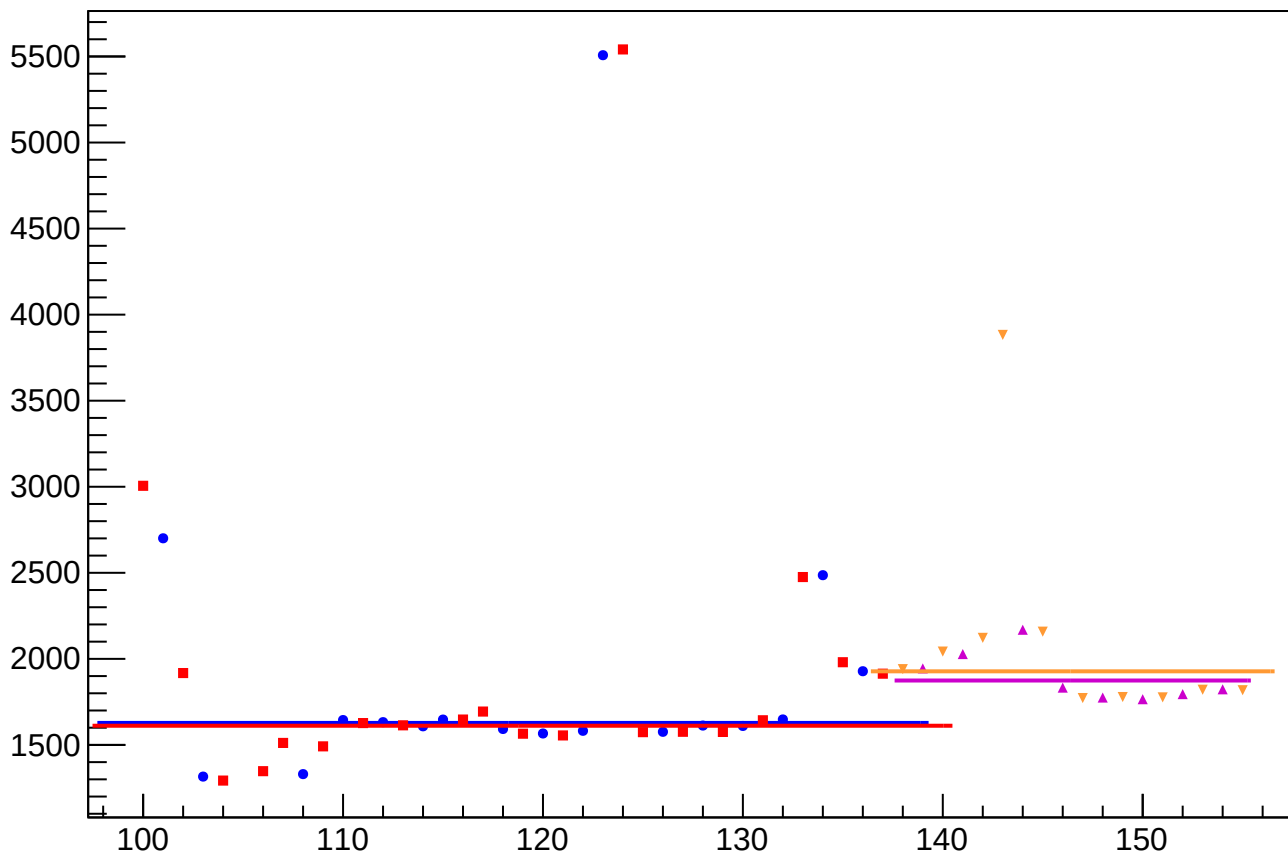
Left In: 99.784±/-732.083 χ^2 /NDF:6.2/7

511.114±/-480.604 χ^2 /NDF: 21.5/26

315.783±/-337.440 χ^2 /NDF: 42.7/54

125.869±/-473.892 χ^2 /NDF: 20.9/27

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1627.836 ± 0.456 $\chi^2/\text{NDF}: 407106.6/16$

Left Out: 1927.612 ± 0.510 $\chi^2/\text{NDF}: 412549.0/9$

Right Out: 1611.433 ± 0.440 $\chi^2/\text{NDF}: 434167.6/19$

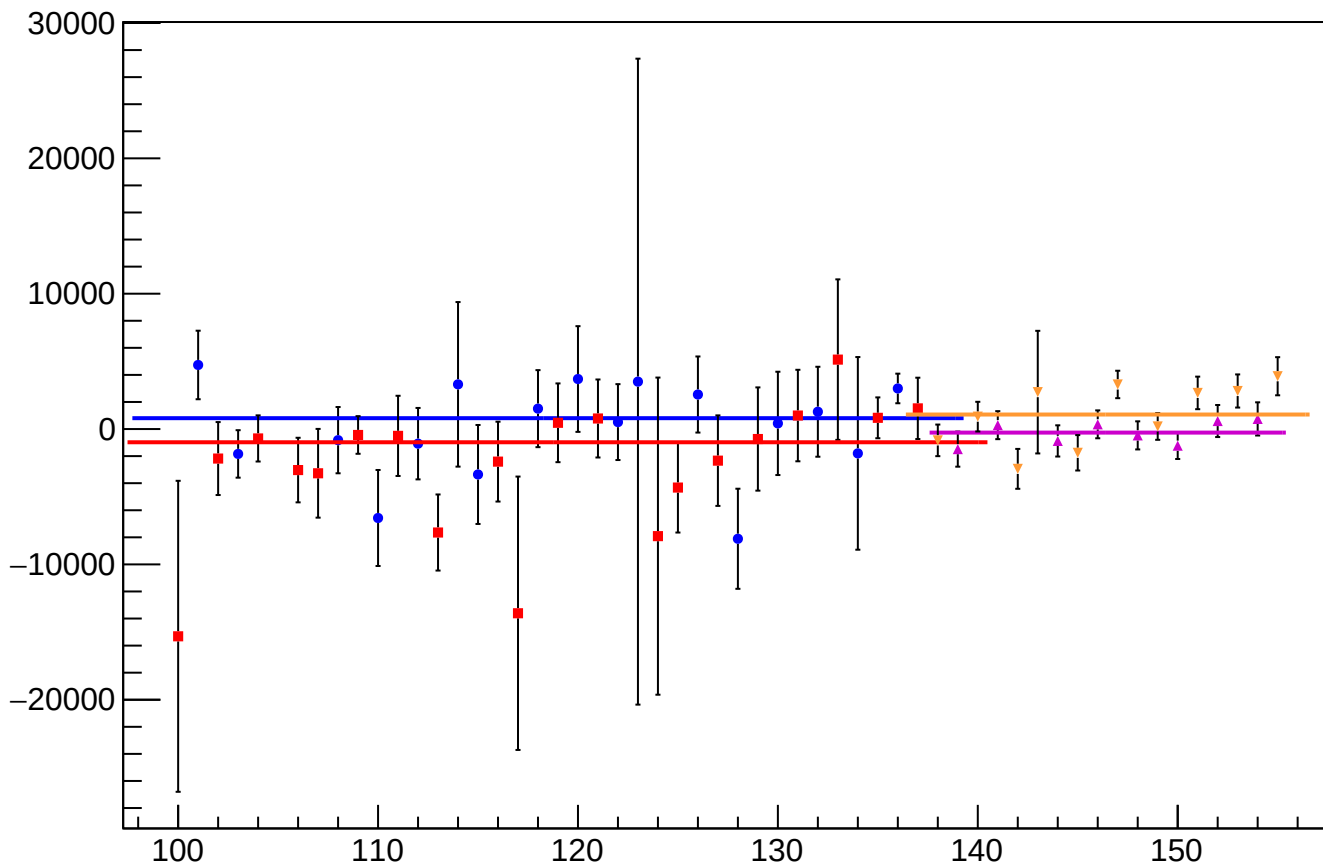
Left In: 1874.240 ± 0.518 $\chi^2/\text{NDF}: 60265.2/7$

1760.983 ± 0.340 $\chi^2/\text{NDF}: 1011760.6/26$

1740.992 ± 0.239 $\chi^2/\text{NDF}: 1662759.3/54$

1721.555 ± 0.335 $\chi^2/\text{NDF}: 644173.7/27$

asym_at2_dd_correction_mean vs Slug, Sign Corrected



Right In: 803.048 ± 631.676 $\chi^2/\text{NDF}: 22.4/16$

Left Out: 1072.794 ± 391.637 $\chi^2/\text{NDF}: 28.3/9$

Right Out: -976.725 ± 588.724 $\chi^2/\text{NDF}: 16.8/19$

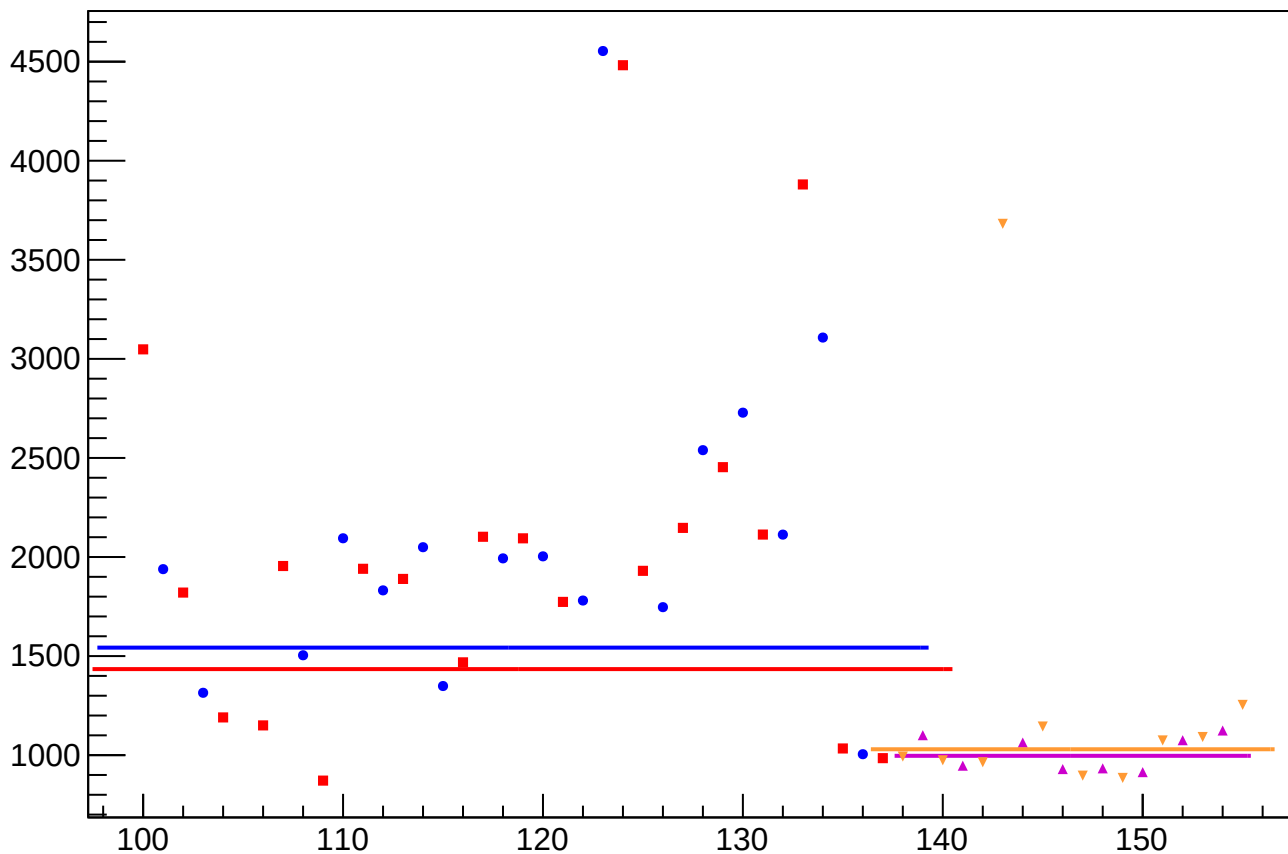
Left In: -262.756 ± 390.420 $\chi^2/\text{NDF}: 4.0/7$

997.896 ± 332.854 $\chi^2/\text{NDF}: 50.9/26$

241.727 ± 232.674 $\chi^2/\text{NDF}: 82.8/54$

-480.839 ± 325.374 $\chi^2/\text{NDF}: 21.9/27$

asym_at2_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1029.753+/-0.277 χ^2/NDF : 847902.4/9

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

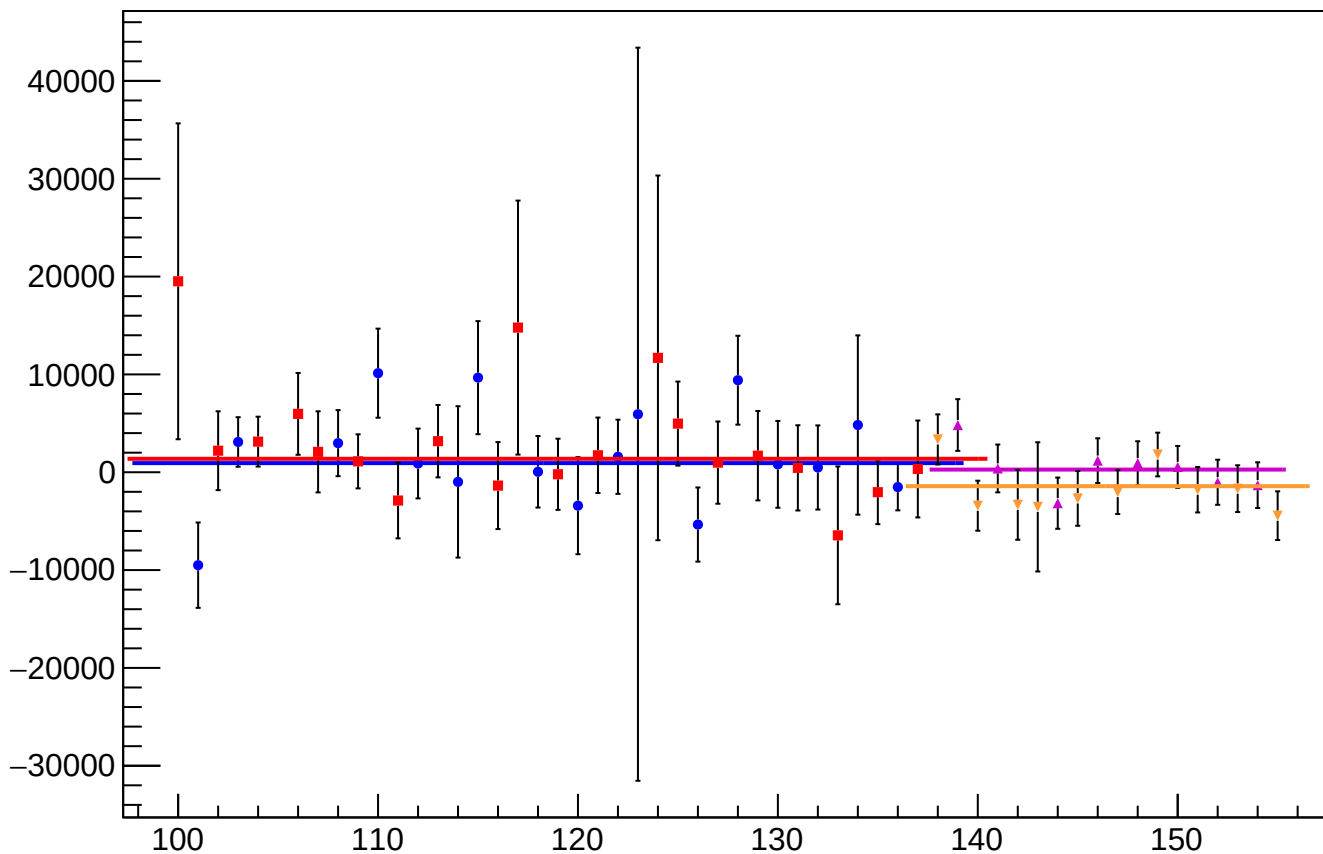
Left In: 996.704+/-0.276 χ^2/NDF : 84676.7/7

1172.181+/-0.235 χ^2/NDF : 3088499.5/26

1150.798+/-0.165 χ^2/NDF : 5789332.3/54

1130.366+/-0.230 χ^2/NDF : 2684691.8/27

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 932.818 ± 967.941 $\chi^2/\text{NDF}: 21.6/16$

Left Out: -1425.314 ± 829.054 $\chi^2/\text{NDF}: 8.4/9$

Right Out: 1375.966 ± 923.072 $\chi^2/\text{NDF}: 9.6/19$

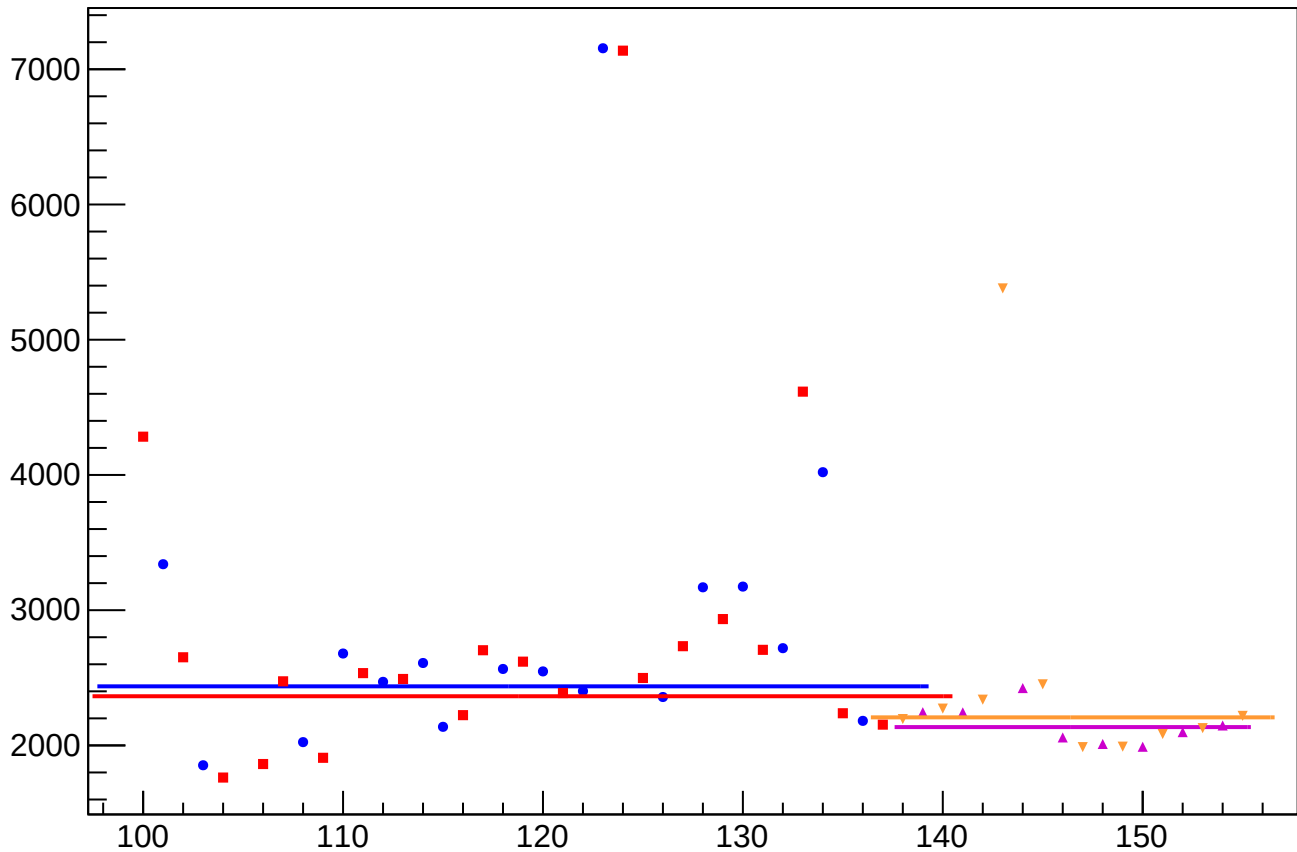
Left In: 272.557 ± 833.867 $\chi^2/\text{NDF}: 5.7/7$

-427.422 ± 629.661 $\chi^2/\text{NDF}: 33.4/26$

180.907 ± 441.338 $\chi^2/\text{NDF}: 51.3/54$

768.382 ± 618.773 $\chi^2/\text{NDF}: 16.1/27$

asym_at2_dd_rms vs Slug, Sign Corrected



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

Left Out: 2207.499 ± 0.586 $\chi^2/\text{NDF}: 526653.3/9$

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

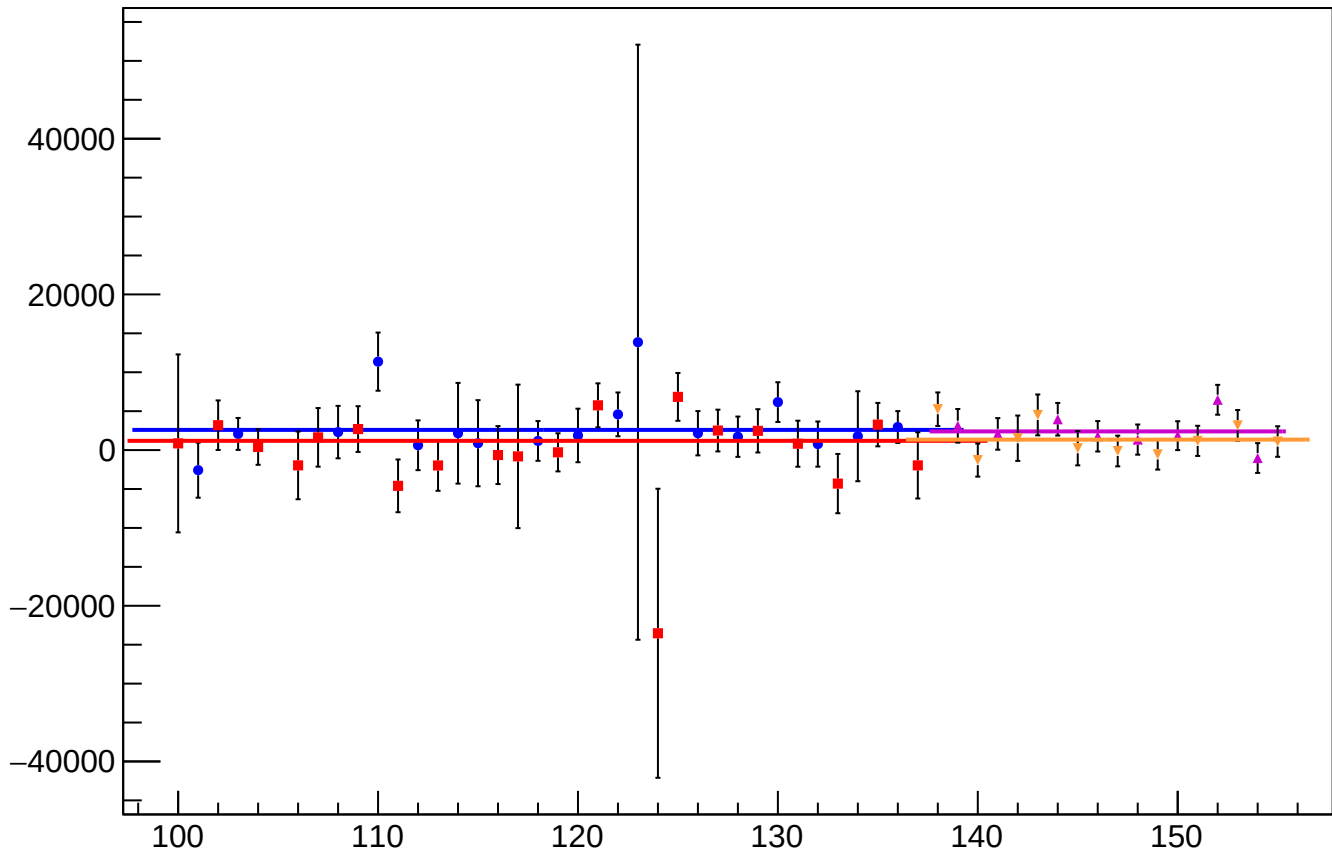
Left In: 2135.540 ± 0.590 $\chi^2/\text{NDF}: 50022.3/7$

2304.556 ± 0.445 $\chi^2/\text{NDF}: 1060457.7/26$

2270.710 ± 0.312 $\chi^2/\text{NDF}: 1846297.6/54$

2238.025 ± 0.438 $\chi^2/\text{NDF}: 774480.9/27$

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



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

Left Out: 1344.042 $\pm$ 673.184 χ^2 /NDF: 8.9/9

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

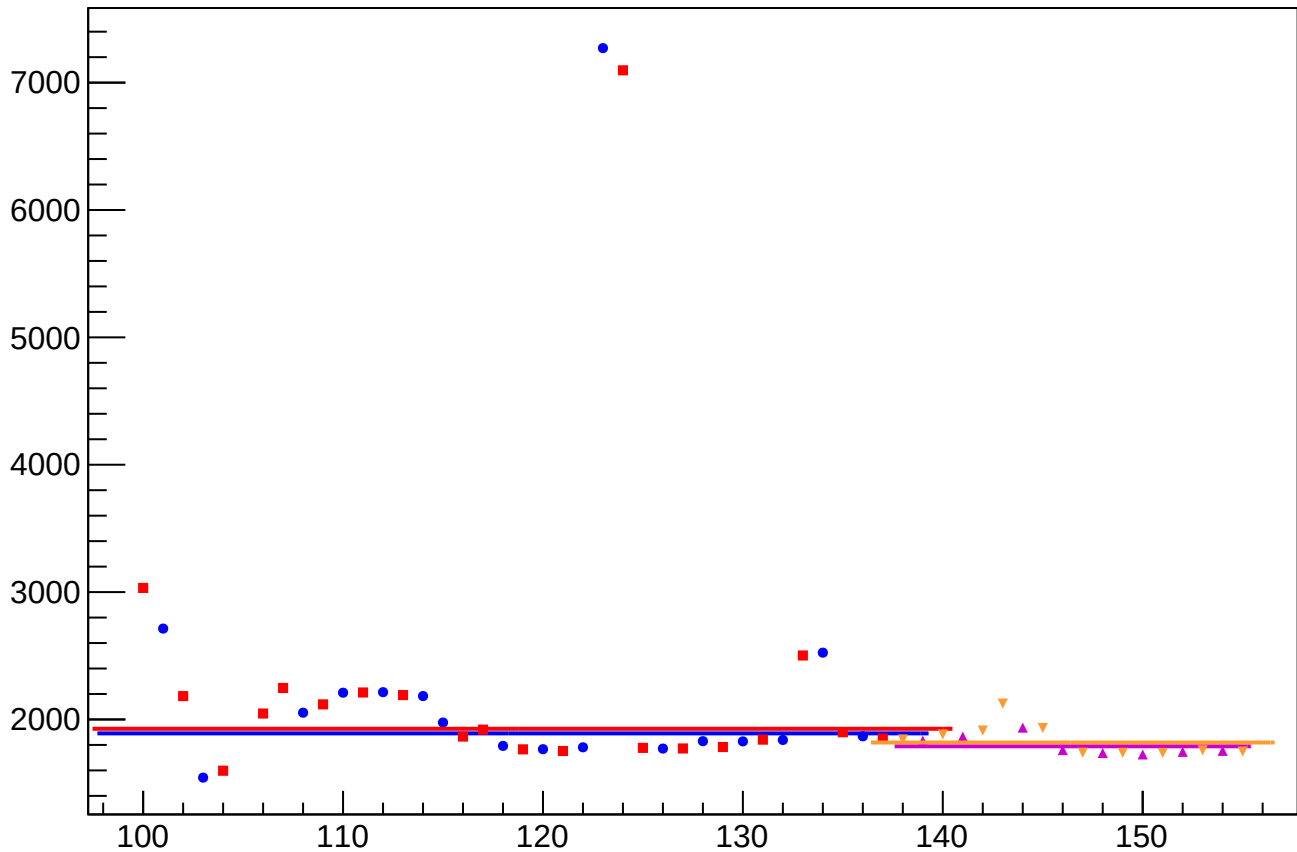
Left In: 2399.958 $\pm$ 698.525 χ^2 /NDF: 8.9/7

1907.857 $\pm$ 498.874 χ^2 /NDF: 22.1/26

1868.302 $\pm$ 355.619 χ^2 /NDF: 49.7/54

1827.437 $\pm$ 507.068 χ^2 /NDF: 27.5/27

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



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

Left Out: 1819.157+/-0.476 χ^2/NDF : 51338.1/9

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

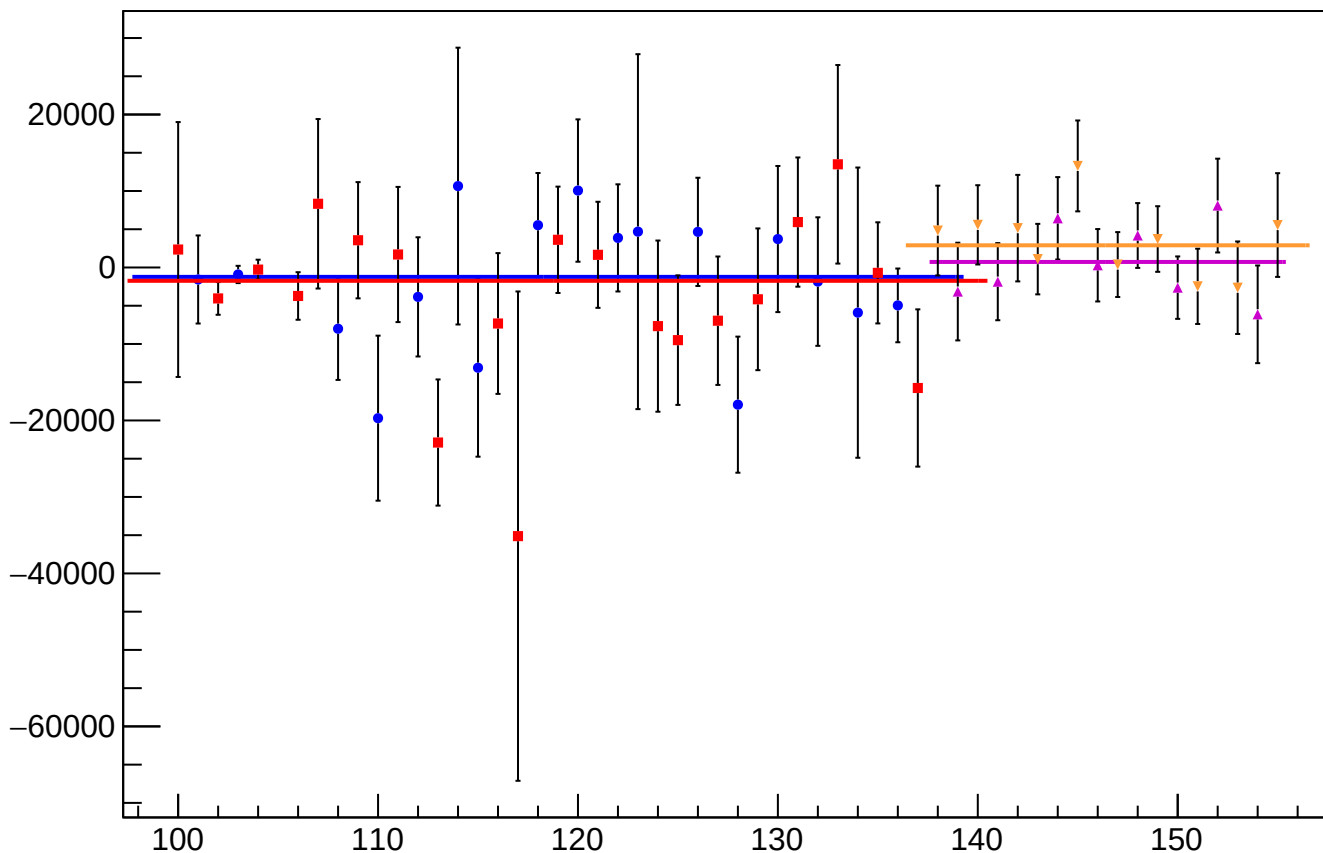
Left In: 1789.170+/-0.494 χ^2/NDF : 19558.9/7

1851.420+/-0.353 χ^2/NDF : 350472.5/26

1852.903+/-0.251 χ^2/NDF : 769168.2/54

1854.434+/-0.358 χ^2/NDF : 418659.7/27

asym_atl1r2_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 2900.268+/-1660.679 χ^2/NDF : 6.3/9

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

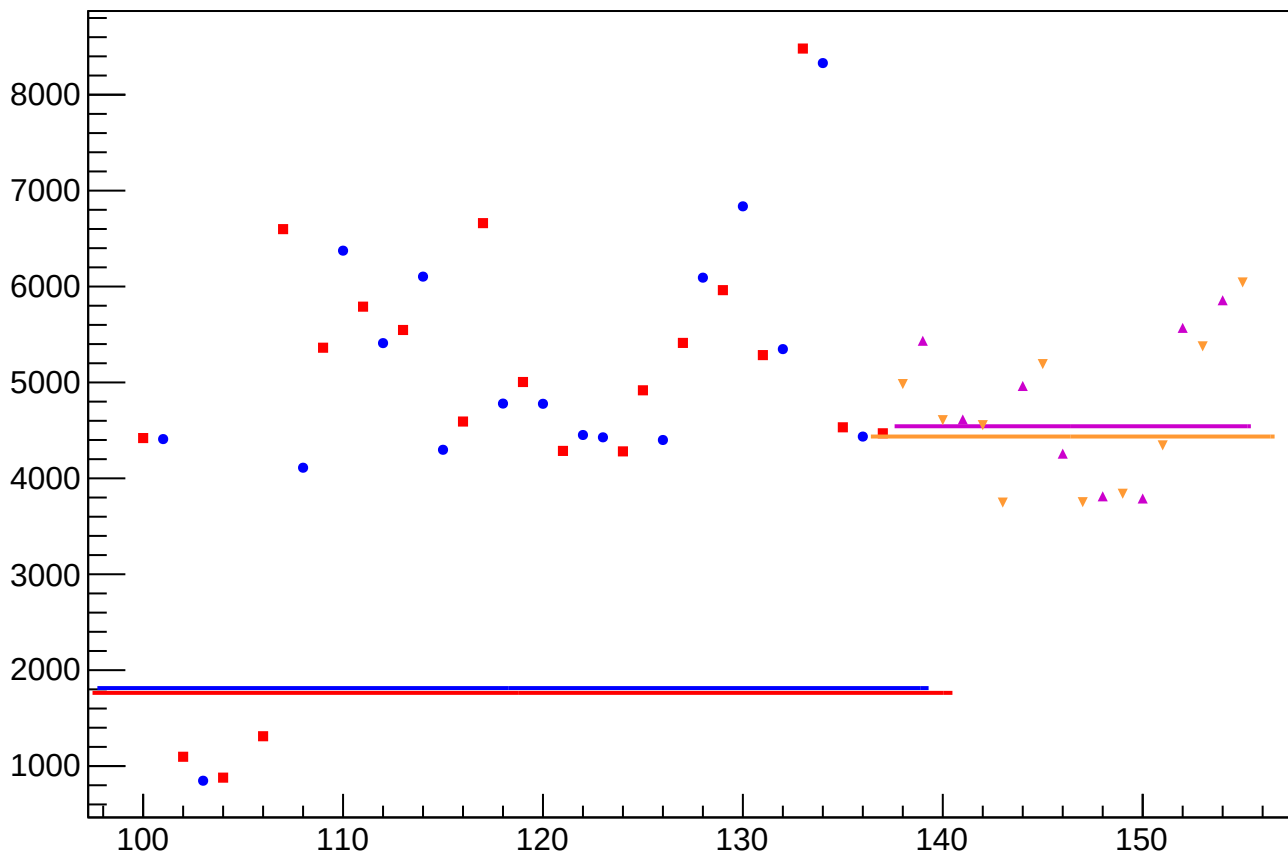
Left In: 723.964+/-1796.567 χ^2/NDF : 5.7/7

-153.465+/-846.934 χ^2/NDF : 24.6/26

-690.016+/-594.138 χ^2/NDF : 51.5/54

-1209.928+/-833.699 χ^2/NDF : 26.1/27

asym_atl1r2_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 4436.053+/-1.174 χ^2/NDF : 349173.9/9

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

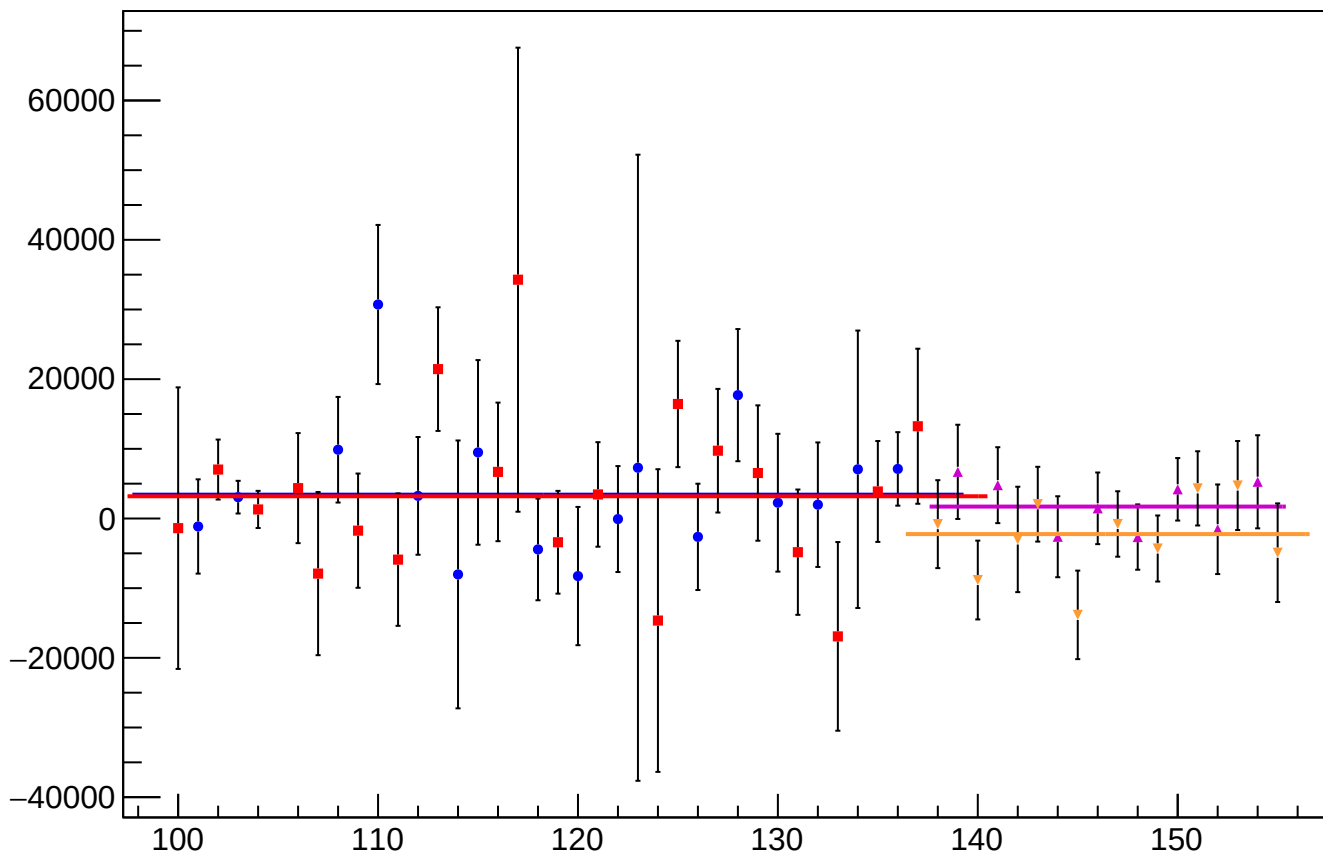
Left In: 4543.126+/-1.270 χ^2/NDF : 327089.9/7

2495.381+/-0.599 χ^2/NDF : 10489562.2/26

2427.629+/-0.420 χ^2/NDF : 20958781.1/5

2361.978+/-0.590 χ^2/NDF : 10444017.9/27

asym_atl1r2_avg_mean vs Slug, Sign Corrected



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

Left Out: -2237.040 $\pm$ 1817.119 χ^2/NDF : 8.5/9

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

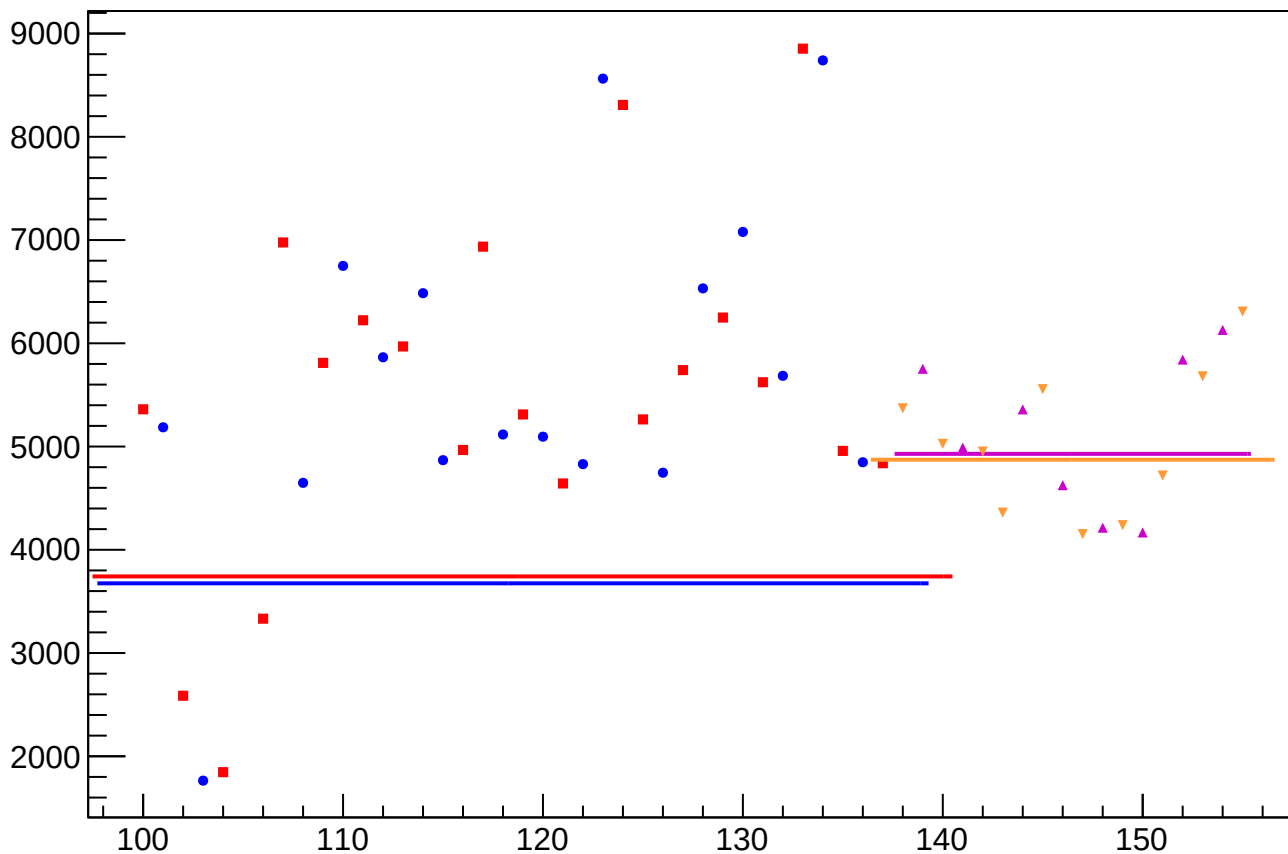
Left In: 1710.633 $\pm$ 1943.309 χ^2/NDF : 3.1/7

938.586 $\pm$ 1203.650 χ^2/NDF : 27.7/26

1741.973 $\pm$ 862.683 χ^2/NDF : 48.9/54

2590.594 $\pm$ 1237.072 χ^2/NDF : 20.4/27

asym_atl1r2_avg_rms vs Slug, Sign Corrected



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

Left Out: 4872.367 $\pm$ 1.285 χ^2/NDF : 254108.4/9

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

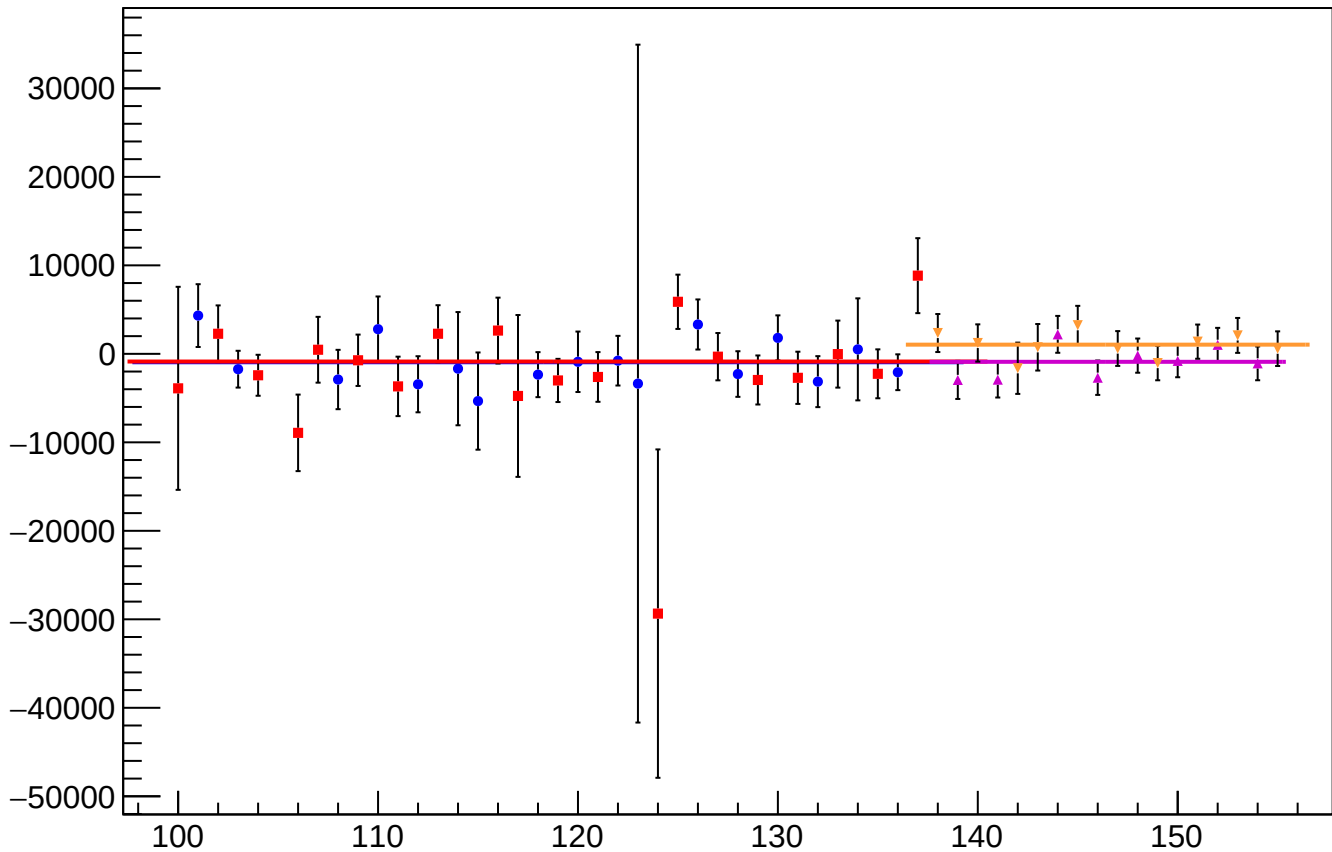
Left In: 4929.131 $\pm$ 1.374 χ^2/NDF : 256951.6/7

4200.367 $\pm$ 0.851 χ^2/NDF : 3516564.2/26

4209.632 $\pm$ 0.609 χ^2/NDF : 6932323.1/54

4219.342 $\pm$ 0.871 χ^2/NDF : 3415516.2/27

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



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

Left Out: 1038.941 ± 670.808 $\chi^2/\text{NDF}: 3.8/9$

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

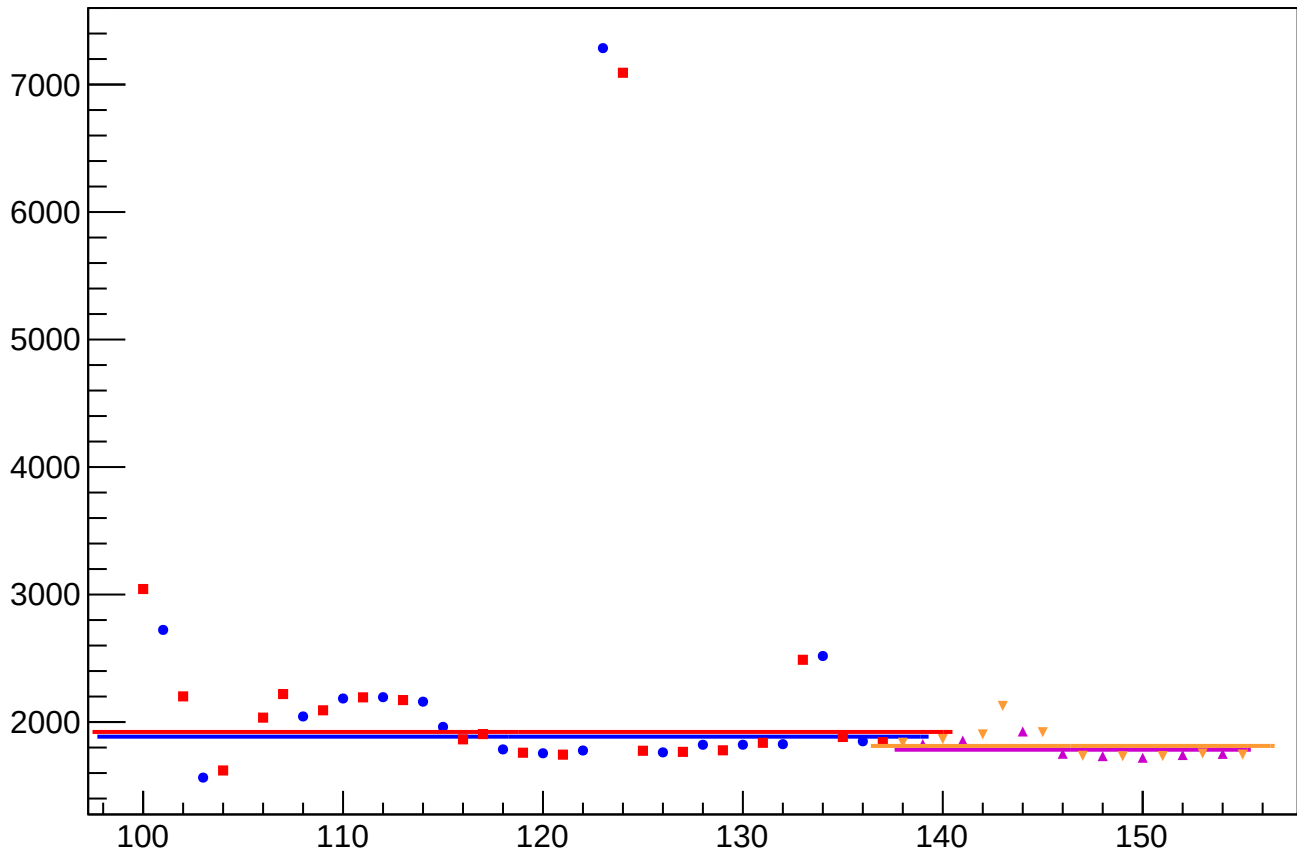
Left In: -900.881 ± 696.104 $\chi^2/\text{NDF}: 6.1/7$

142.050 ± 497.201 $\chi^2/\text{NDF}: 17.7/26$

-363.373 ± 354.457 $\chi^2/\text{NDF}: 48.7/54$

-885.720 ± 505.457 $\chi^2/\text{NDF}: 28.8/27$

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



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

Left Out: 1812.755+/-0.474 χ^2/NDF : 51038.6/9

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

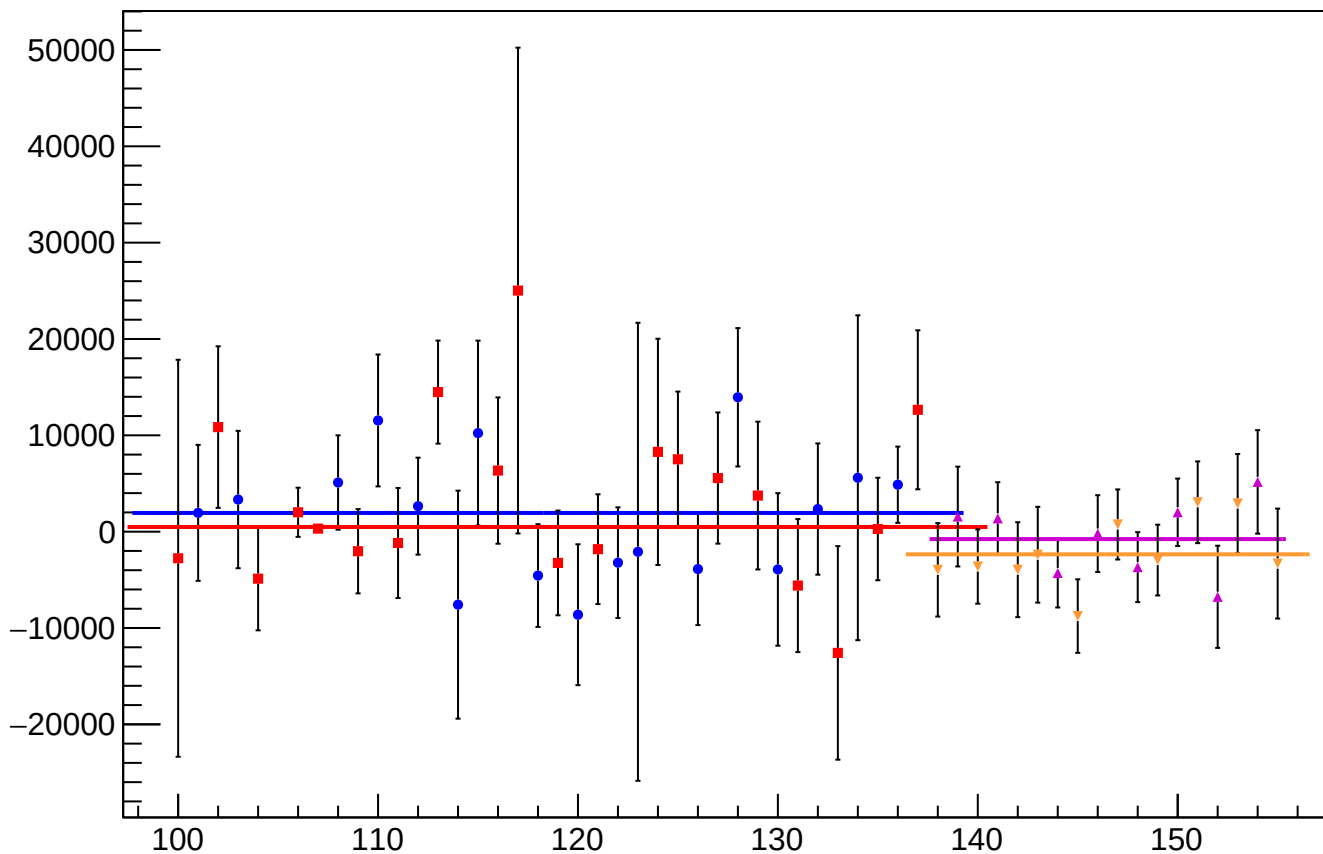
Left In: 1783.056+/-0.492 χ^2/NDF : 18556.4/7

1845.473+/-0.352 χ^2/NDF : 342025.6/26

1847.235+/-0.251 χ^2/NDF : 750116.5/54

1849.052+/-0.357 χ^2/NDF : 408039.9/27

asym_atl1r2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1943.178+/-1581.060 χ^2/NDF : 13.2/16

Left Out: -2351.786+/-1368.547 χ^2/NDF : 6.6/9

Right Out: 486.774+/-453.611 χ^2/NDF : 19.0/19

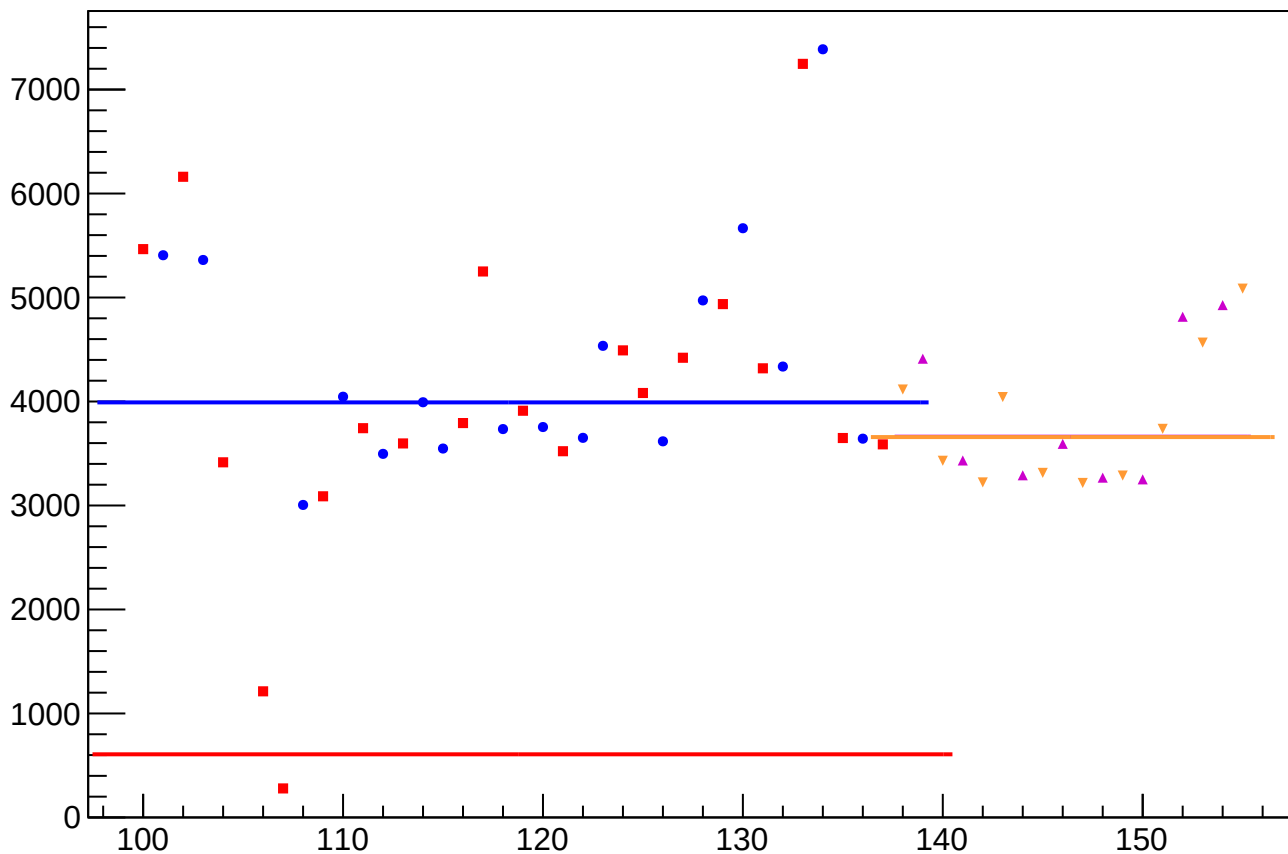
Left In: -770.297+/-1447.840 χ^2/NDF : 5.3/7

-512.149+/-1034.748 χ^2/NDF : 24.0/26

242.372+/-399.331 χ^2/NDF : 49.6/54

374.412+/-432.864 χ^2/NDF : 25.0/27

asym_atl1r2_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 3657.930 ± 0.968 $\chi^2/\text{NDF}: 306837.4/9$

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

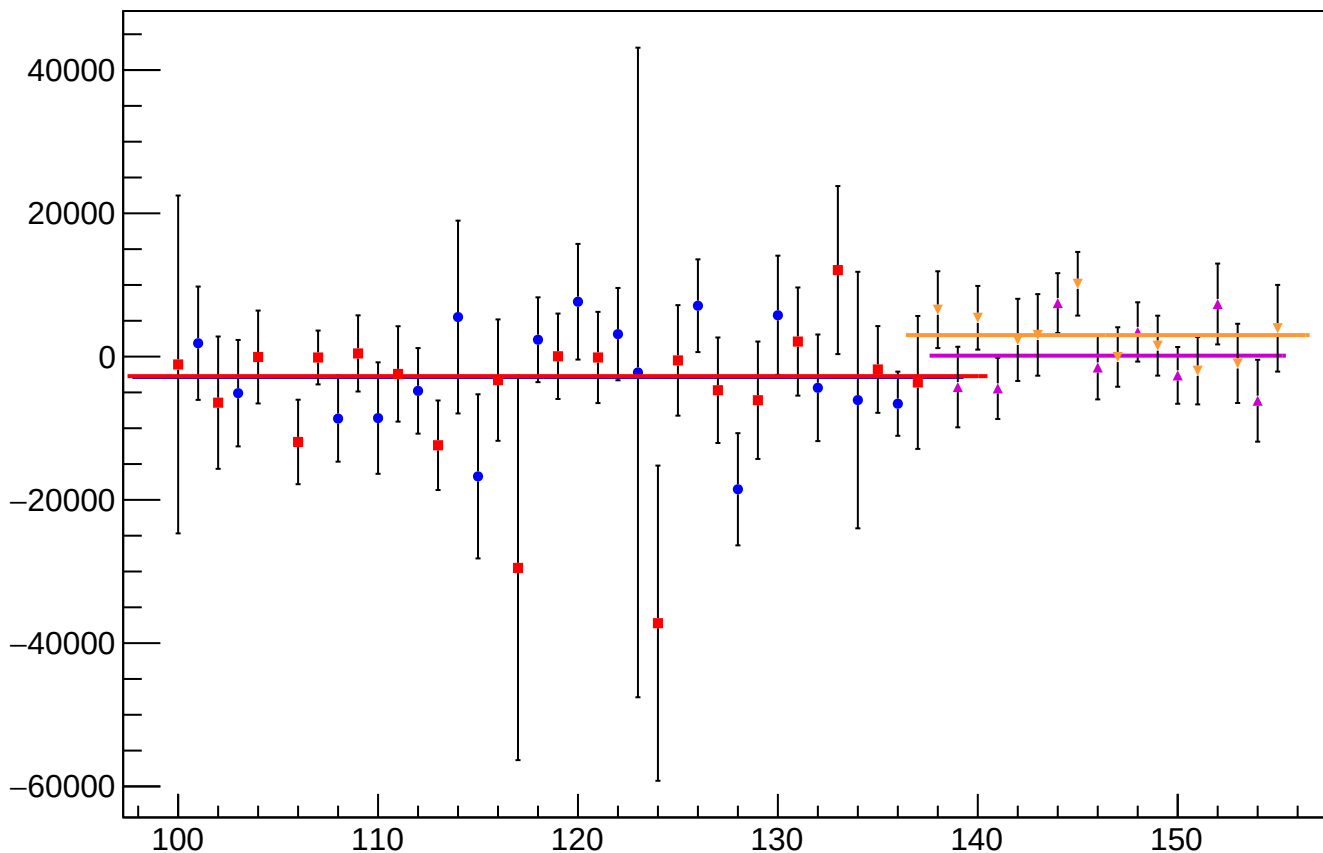
Left In: 3661.542 ± 1.024 $\chi^2/\text{NDF}: 328186.3/7$

3800.770 ± 0.732 $\chi^2/\text{NDF}: 868487.6/26$

1315.209 ± 0.282 $\chi^2/\text{NDF}: 33175631.2/5$

880.242 ± 0.306 $\chi^2/\text{NDF}: 18747560.7/27$

asym_atl1r2_dd_mean vs Slug, Sign Corrected



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

Left Out: 3001.927+/-1547.644 χ^2/NDF : 5.7/9

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

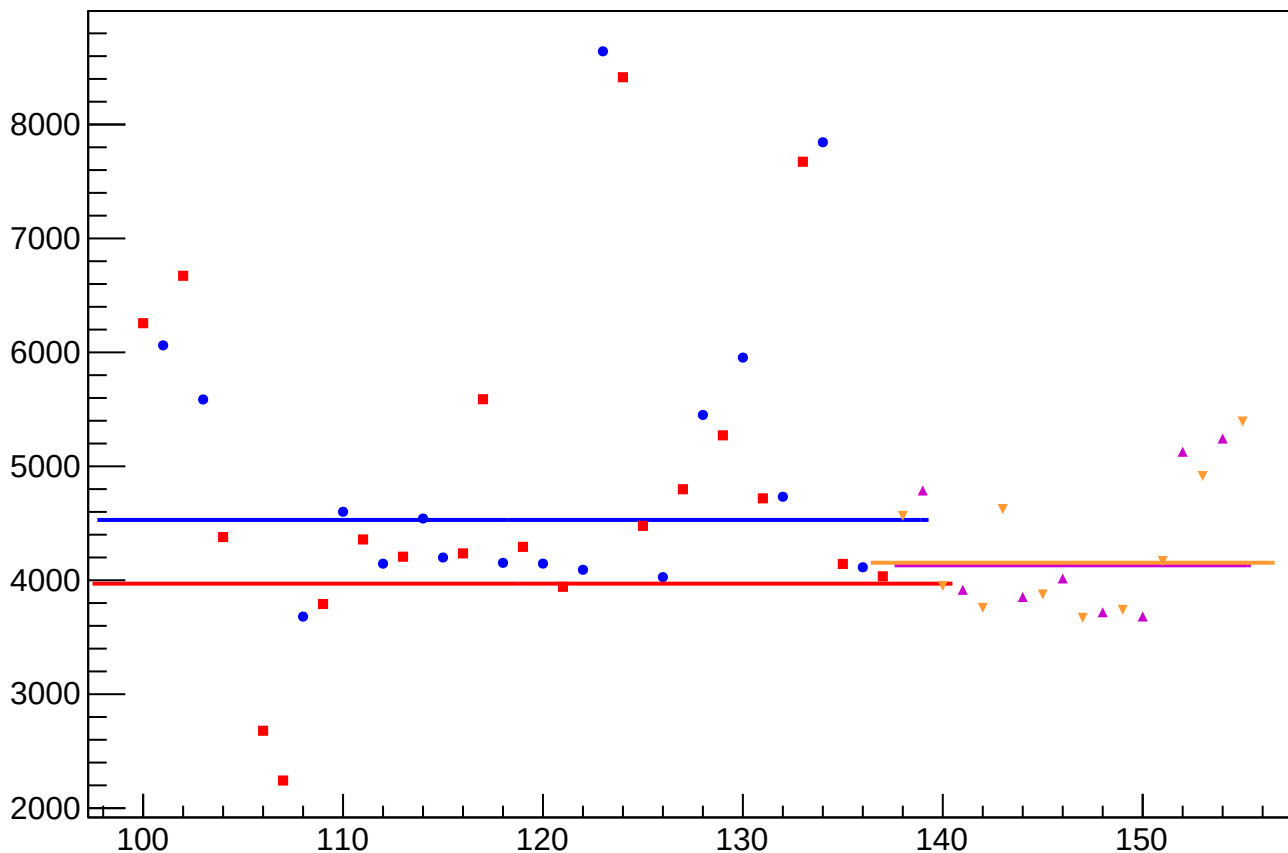
Left In: 131.492+/-1626.319 χ^2/NDF : 8.9/7

496.740+/-1169.615 χ^2/NDF : 27.2/26

-456.591+/-812.837 χ^2/NDF : 51.2/54

-1347.121+/-1130.435 χ^2/NDF : 22.7/27

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4529.462 $\pm$ 1.263 χ^2 /NDF: 389326.2/16

Left Out: 4153.940 $\pm$ 1.094 χ^2 /NDF: 215513.0/9

Right Out: 3970.336 $\pm$ 1.105 χ^2 /NDF: 1147711.9/19

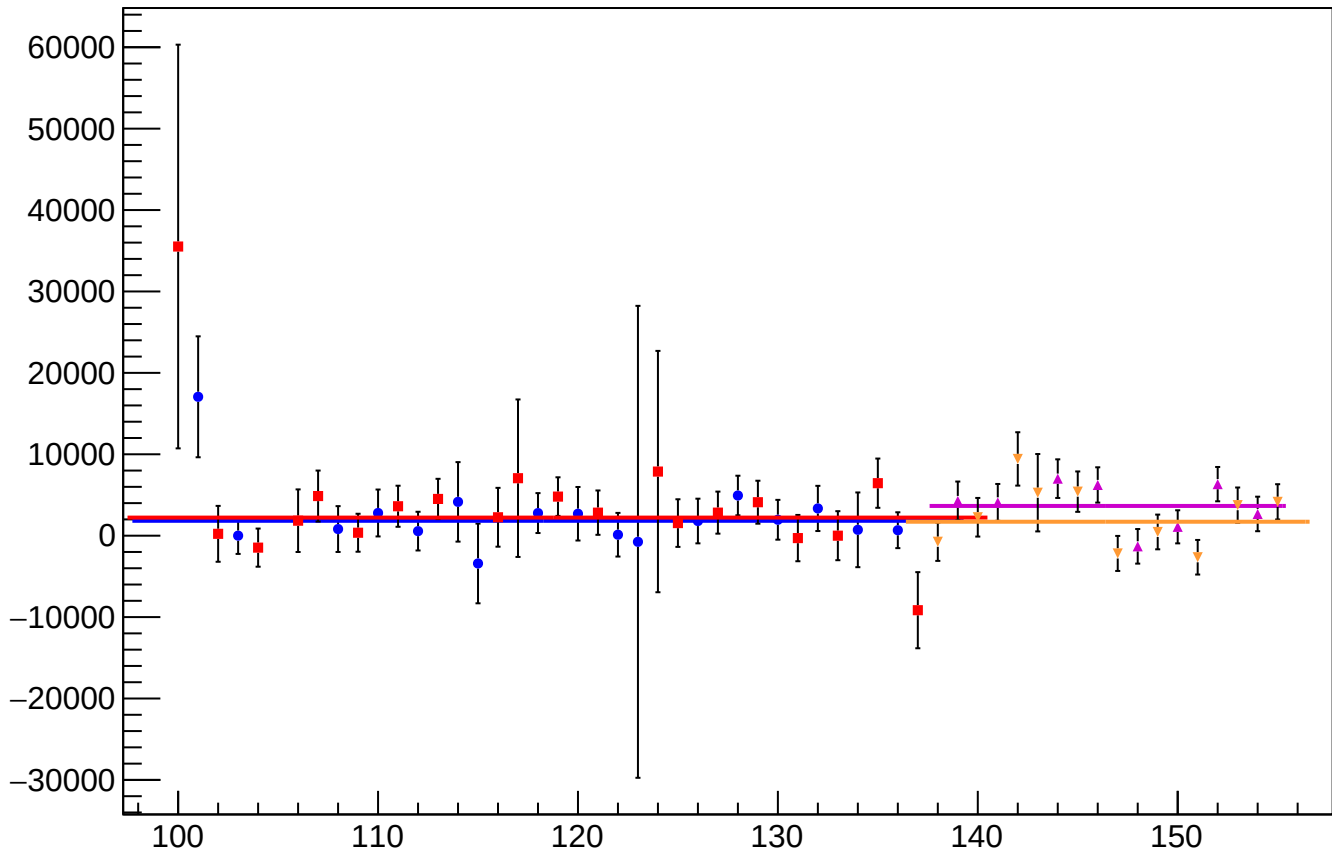
Left In: 4131.129 $\pm$ 1.150 χ^2 /NDF: 226186.8/7

4314.986 $\pm$ 0.827 χ^2 /NDF: 655336.7/26

4176.250 $\pm$ 0.574 χ^2 /NDF: 2093654.5/54

4047.510 $\pm$ 0.797 χ^2 /NDF: 1384065.8/27

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1830.102+/-711.335 χ^2/NDF : 9.7/16

Left Out: 1714.567+/-757.743 χ^2/NDF : 19.5/9

Right Out: 2222.274+/-682.500 χ^2/NDF : 18.6/19

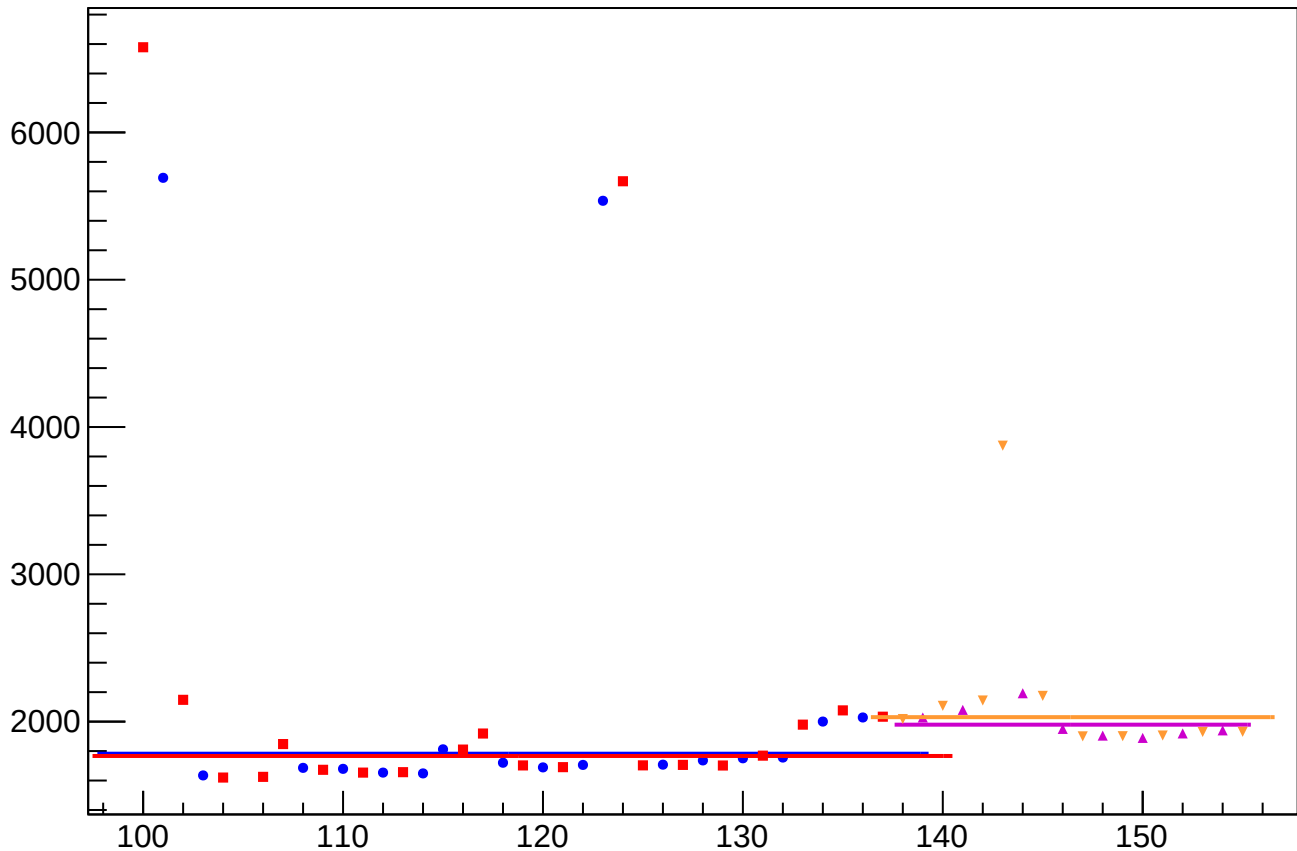
Left In: 3653.922+/-773.334 χ^2/NDF : 12.4/7

1775.981+/-518.620 χ^2/NDF : 29.1/26

2319.741+/-364.255 χ^2/NDF : 64.2/54

2849.119+/-511.716 χ^2/NDF : 32.9/27

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1782.137+/-0.503 χ^2/NDF : 645188.8/16

Left Out: 2030.284+/-0.536 χ^2/NDF : 342185.6/9

Right Out: 1766.719+/-0.479 χ^2/NDF : 307297.1/19

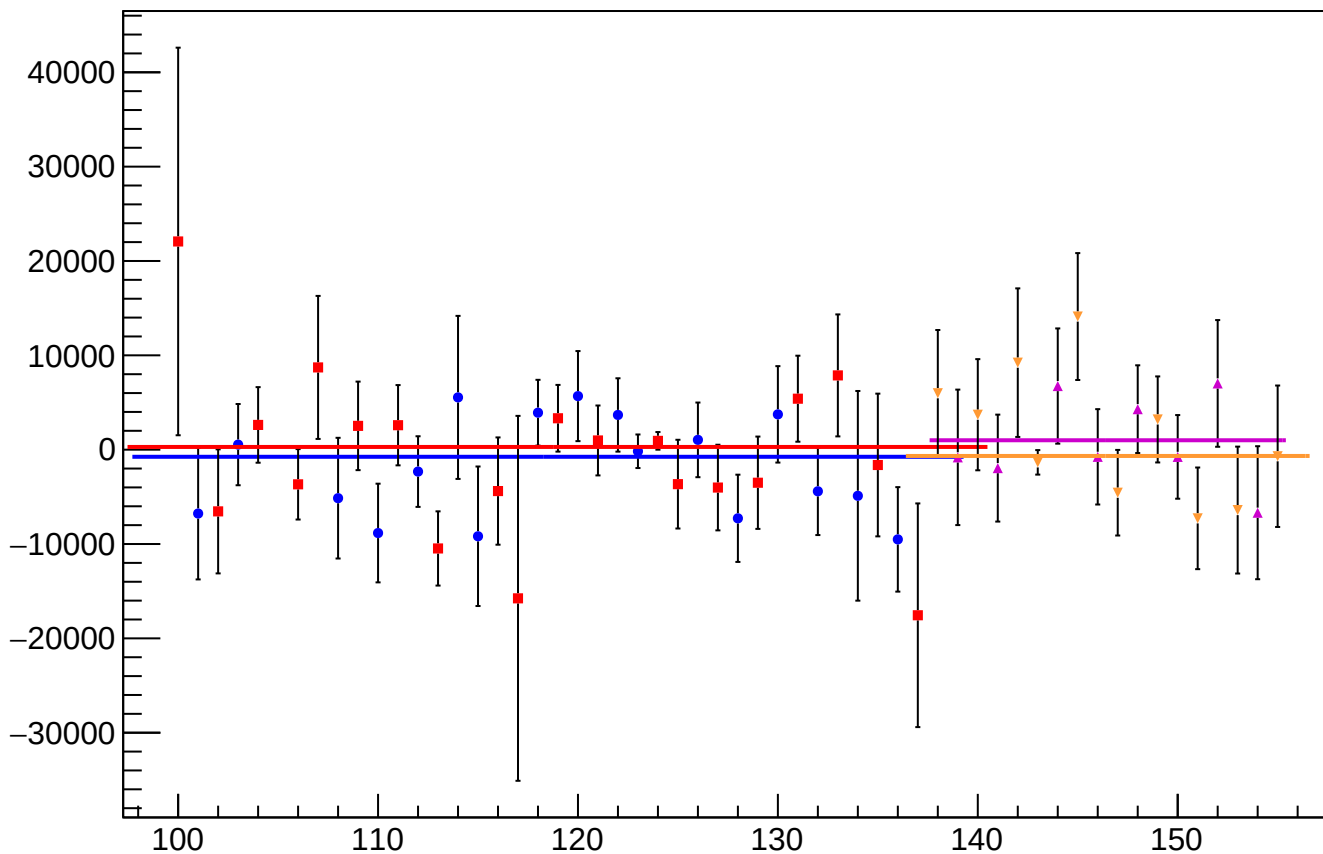
Left In: 1979.202+/-0.547 χ^2/NDF : 29905.7/7

1898.379+/-0.367 χ^2/NDF : 1101387.6/26

1878.370+/-0.257 χ^2/NDF : 1529829.4/54

1859.040+/-0.360 χ^2/NDF : 422588.8/27

asym_atr1l2_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -666.070+/-1082.732 χ^2/NDF : 11.9/9

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

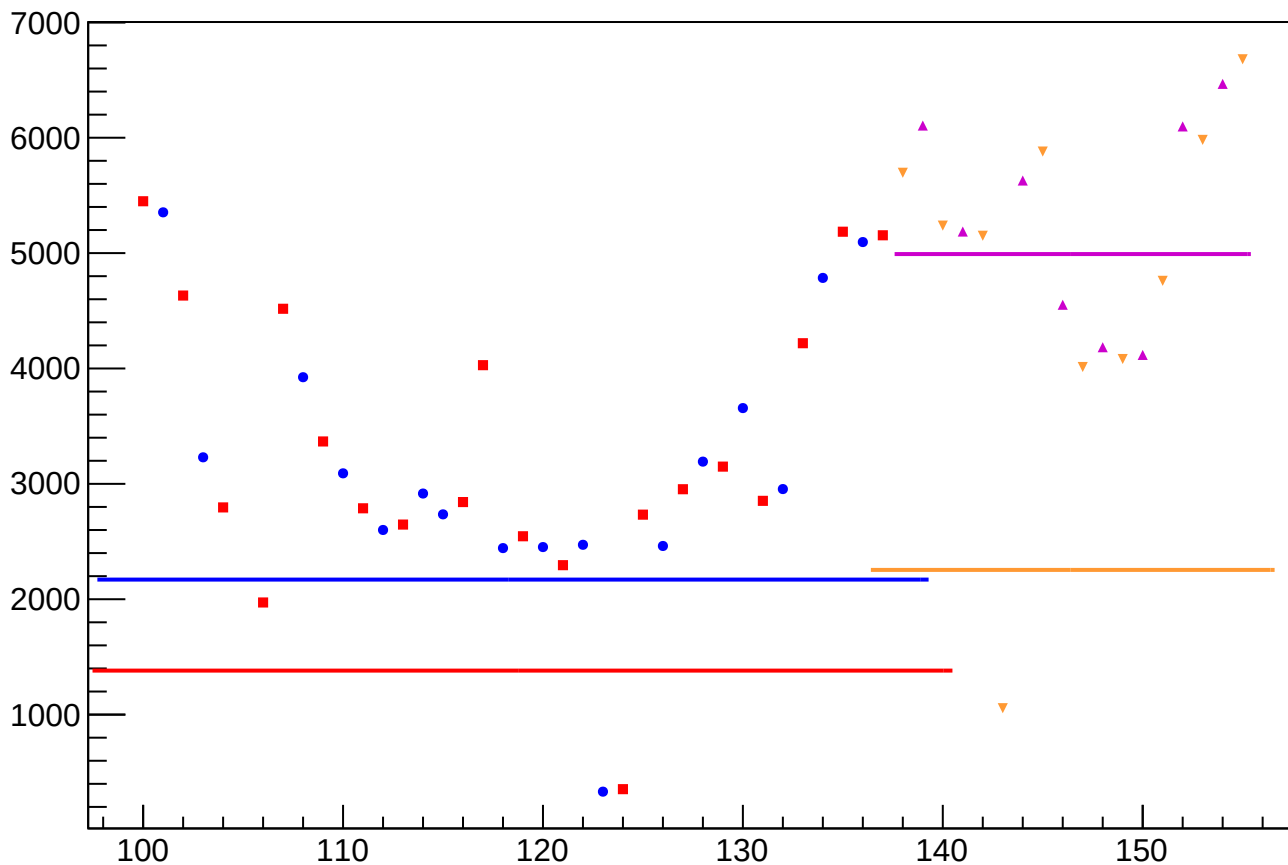
Left In: 998.013+/-1976.691 χ^2/NDF : 4.0/7

-712.845+/-737.975 χ^2/NDF : 28.9/26

-125.955+/-500.213 χ^2/NDF : 56.8/54

372.857+/-680.349 χ^2/NDF : 26.8/27

asym_atr1l2_avg_correction_rms vs Slug, Sign Corrected



Right In: 2170.242+/-0.713 χ^2/NDF : 3973725.5/16

Left Out: 2254.170+/-0.766 χ^2/NDF : 5961572.7/9

Right Out: 1381.438+/-0.512 χ^2/NDF : 6884822.3/19

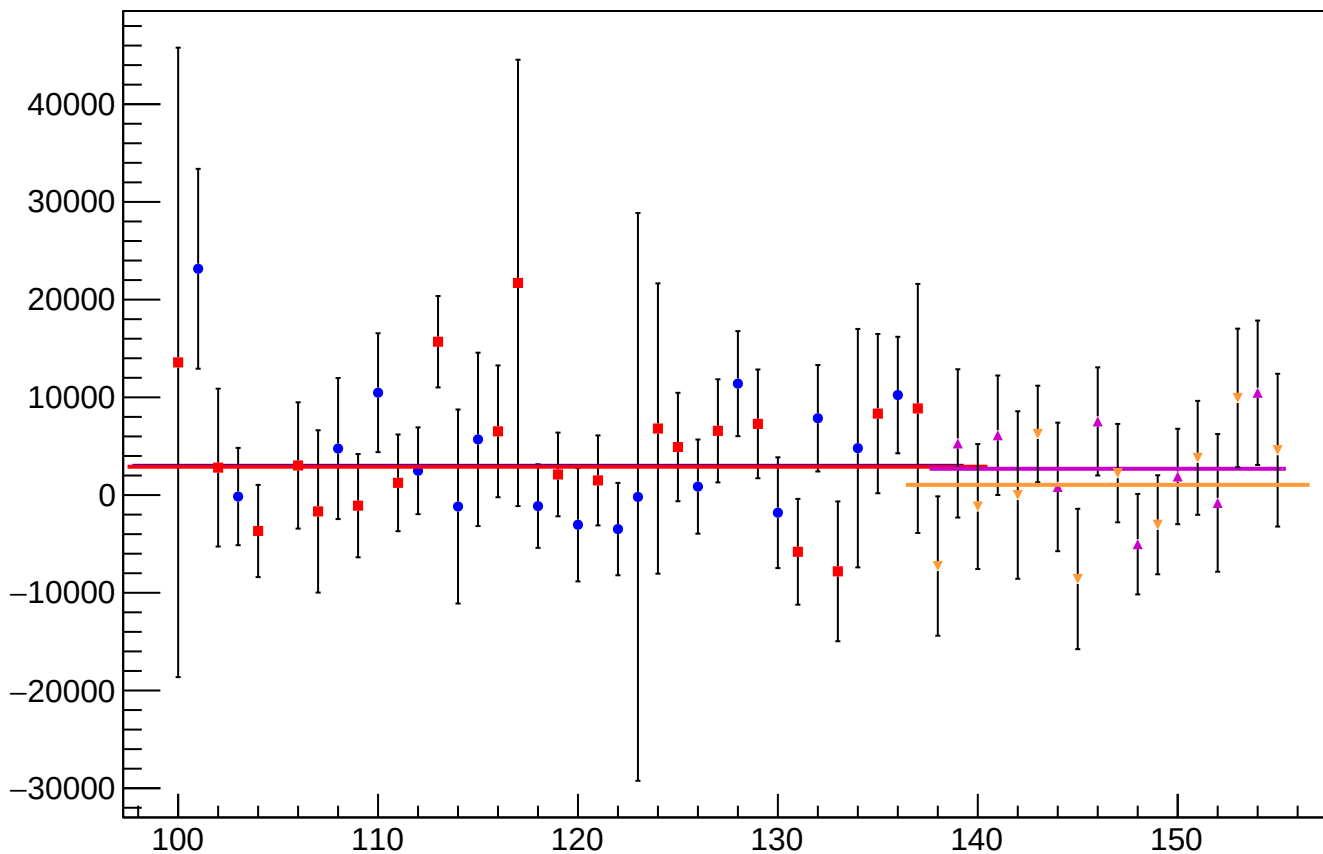
Left In: 4991.690+/-1.398 χ^2/NDF : 367353.4/7

2209.232+/-0.522 χ^2/NDF : 9941732.8/26

1992.948+/-0.354 χ^2/NDF : 23392924.8/5

1809.123+/-0.481 χ^2/NDF : 13133395.1/27

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2992.806+/-1447.211 χ^2/NDF : 15.7/16

Left Out: 1045.613+/-1952.589 χ^2/NDF : 7.1/9

Right Out: 2901.985+/-1376.603 χ^2/NDF : 18.4/19

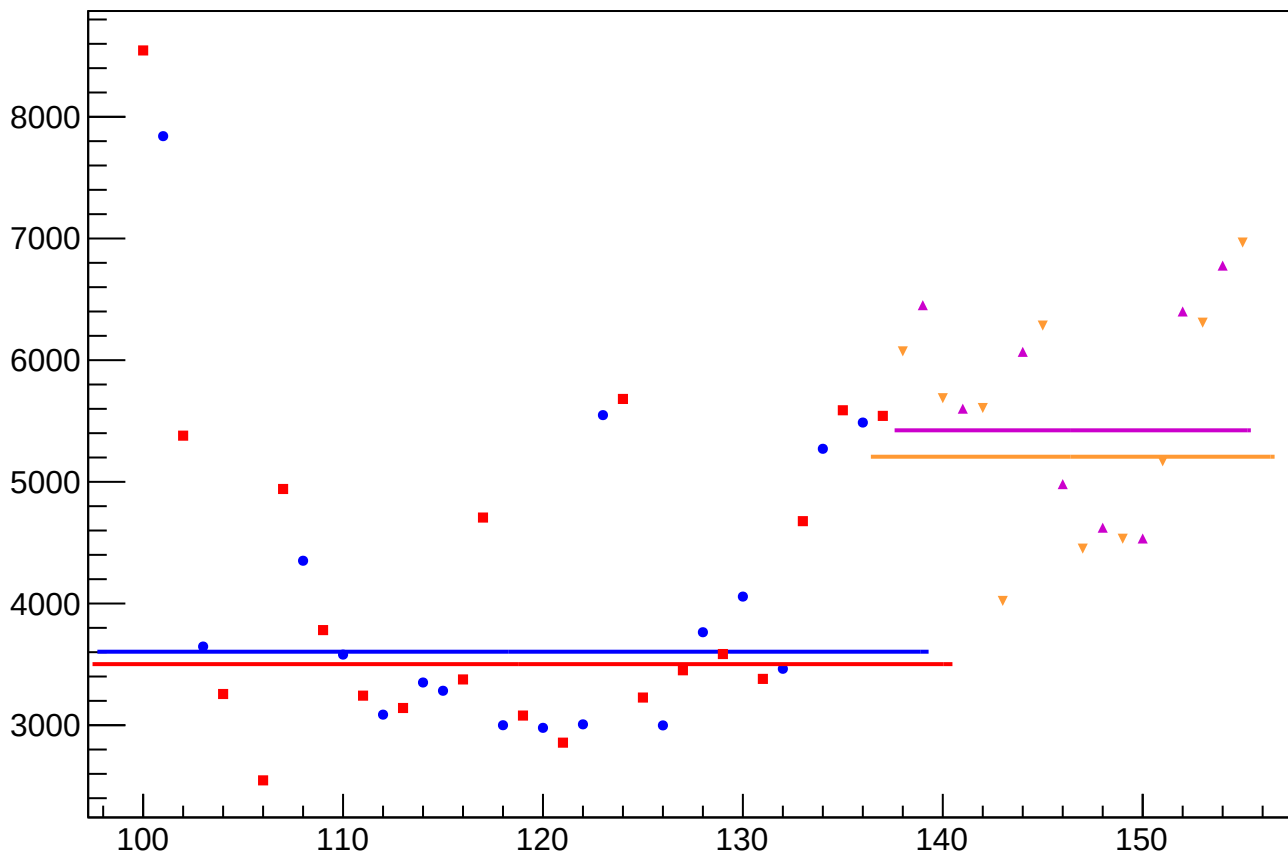
Left In: 2689.144+/-2140.804 χ^2/NDF : 4.9/7

2302.401+/-1162.675 χ^2/NDF : 23.5/26

2572.173+/-820.434 χ^2/NDF : 46.9/54

2839.722+/-1157.877 χ^2/NDF : 23.3/27

asym_atr1l2_avg_rms vs Slug, Sign Corrected



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

Left Out: 5206.511 +/- 1.381 χ^2/NDF : 435779.2/9

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

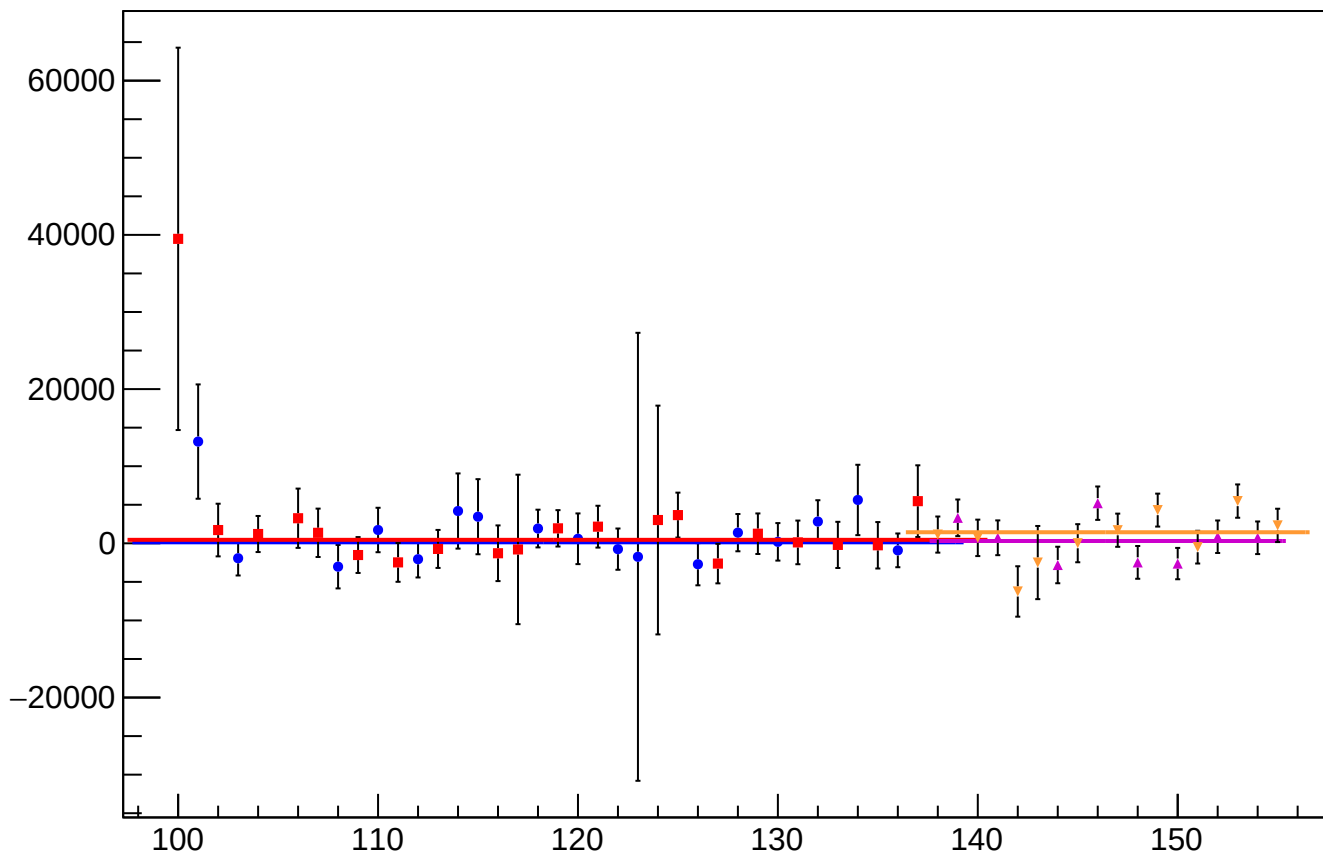
Left In: 5423.506 +/- 1.514 χ^2/NDF : 290871.9/7

4172.143 +/- 0.822 χ^2/NDF : 2090021.3/26

4111.721 +/- 0.577 χ^2/NDF : 4208348.3/54

4052.971 +/- 0.811 χ^2/NDF : 2107673.5/27

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



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

Left Out: 1437.068 $\pm$ 756.322 χ^2 /NDF:13.0/9

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

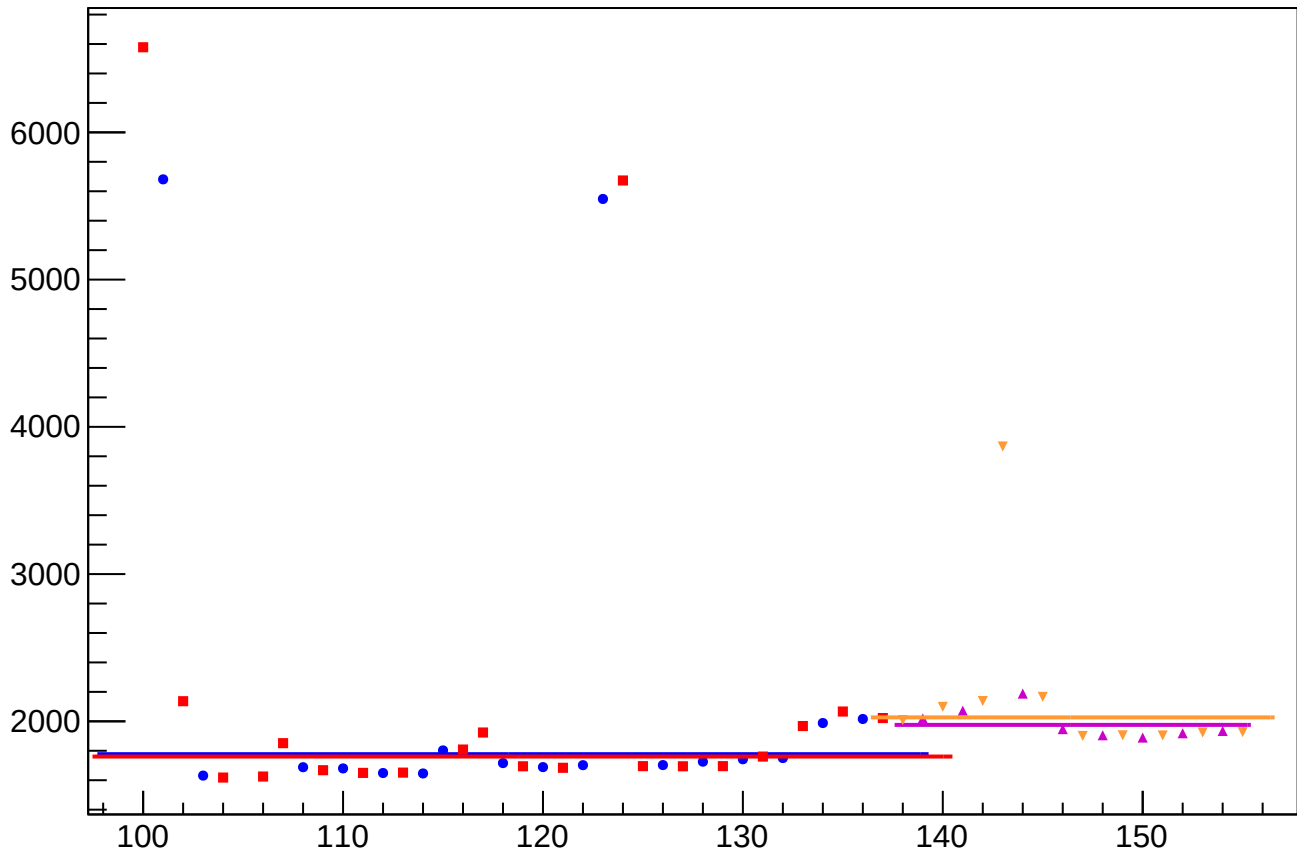
Left In: 301.701 $\pm$ 771.956 χ^2 /NDF:12.4/7

742.043 $\pm$ 517.340 χ^2 /NDF: 26.7/26

562.001 $\pm$ 363.311 χ^2 /NDF: 50.1/54

386.805 $\pm$ 510.330 χ^2 /NDF: 23.1/27

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1776.879 ± 0.501 $\chi^2/\text{NDF}: 643576.8/16$

Left Out: 2026.614 ± 0.535 $\chi^2/\text{NDF}: 340147.2/9$

Right Out: 1760.787 ± 0.478 $\chi^2/\text{NDF}: 306724.5/19$

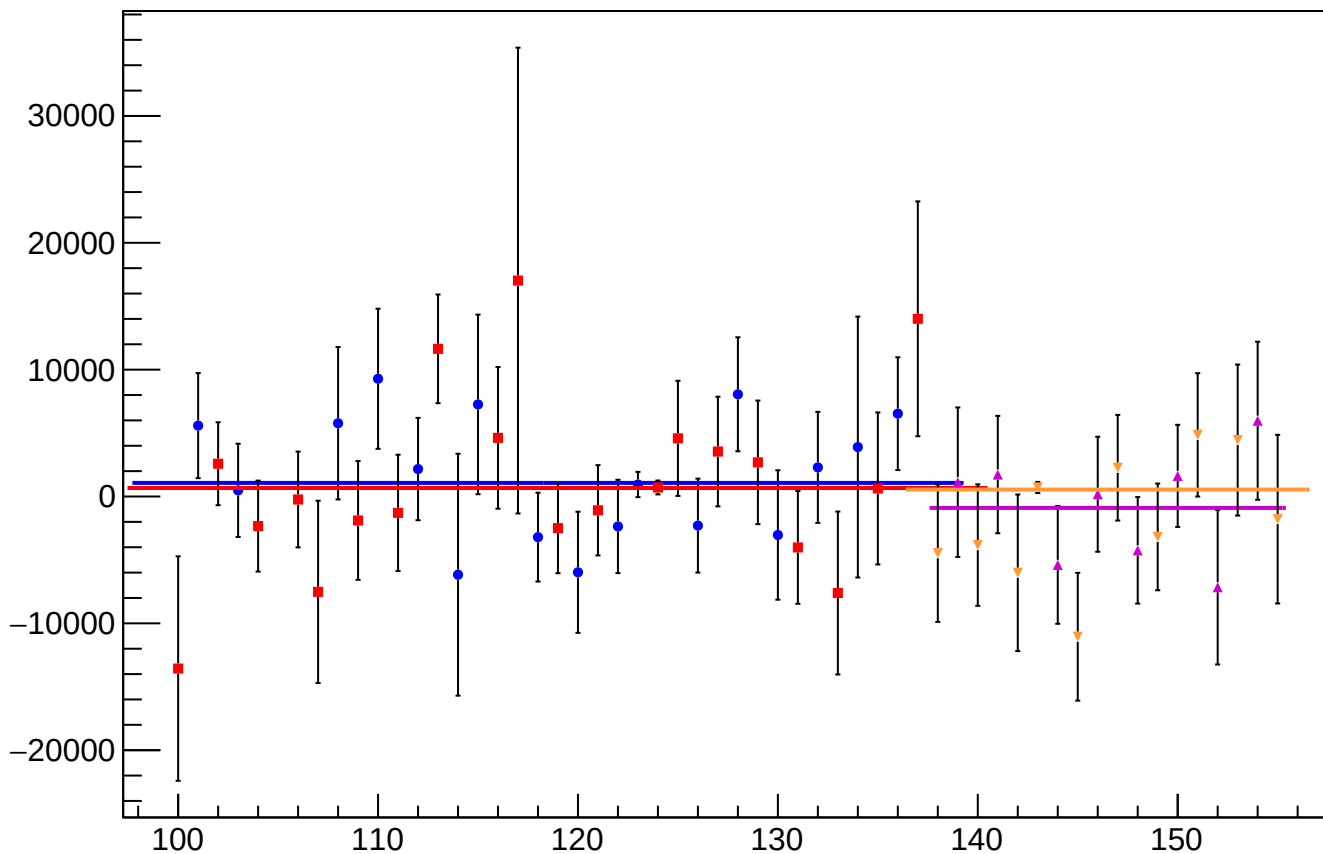
Left In: 1975.799 ± 0.546 $\chi^2/\text{NDF}: 28790.6/7$

1893.726 ± 0.366 $\chi^2/\text{NDF}: 1099757.2/26$

1873.535 ± 0.256 $\chi^2/\text{NDF}: 1529126.3/54$

1854.037 ± 0.359 $\chi^2/\text{NDF}: 423380.9/27$

asym_atr1l2_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 545.857+/-424.792 χ^2/NDF : 10.6/9

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

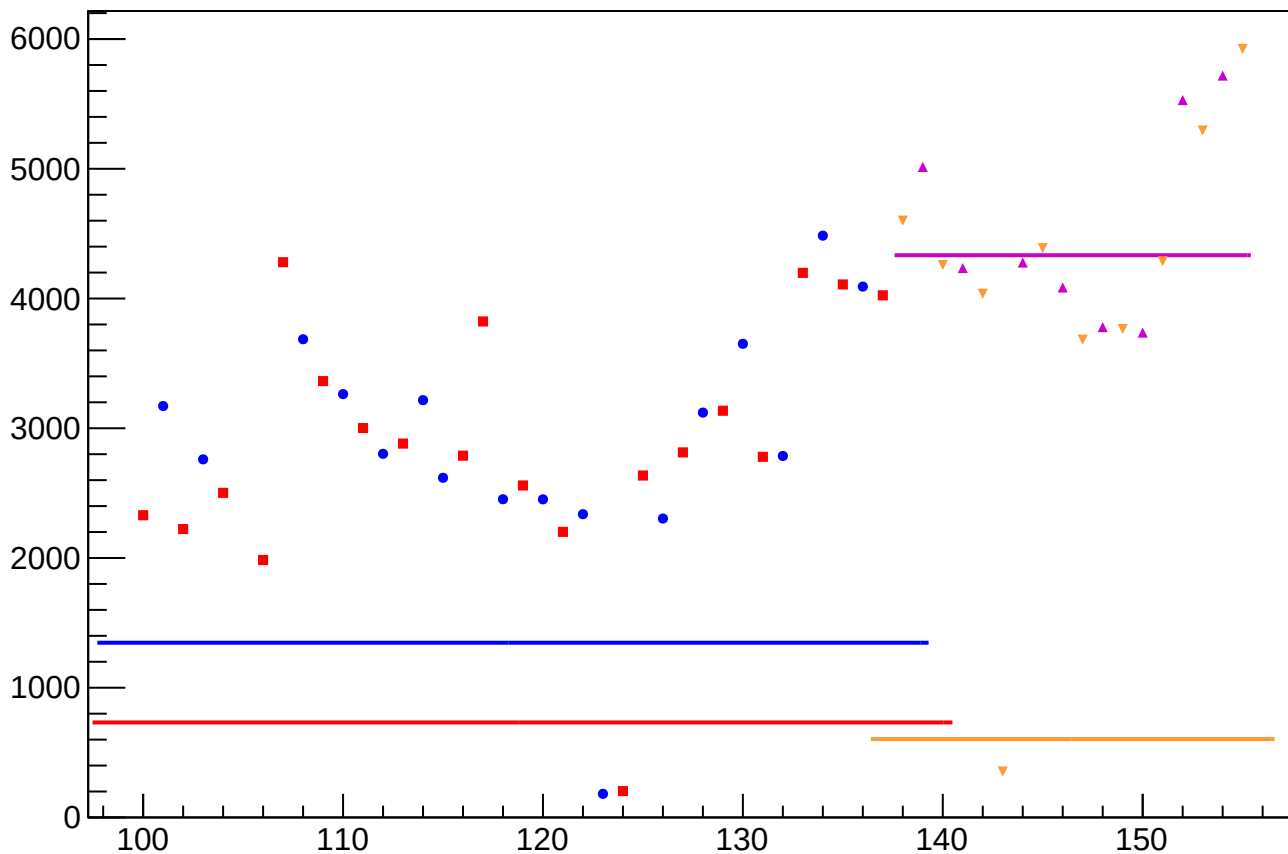
Left In: -899.054+/-1710.731 χ^2/NDF : 4.7/7

673.108+/-369.894 χ^2/NDF : 26.5/26

626.792+/-290.472 χ^2/NDF : 52.6/54

552.281+/-469.157 χ^2/NDF : 26.1/27

asym_atr1l2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1346.836 $\pm$ 0.532 χ^2 /NDF: 6839112.6/16

Left Out: 604.251 $\pm$ 0.300 χ^2 /NDF:10542525.7/9

Right Out: 732.303 $\pm$ 0.345 χ^2 /NDF: 9559853.6/19

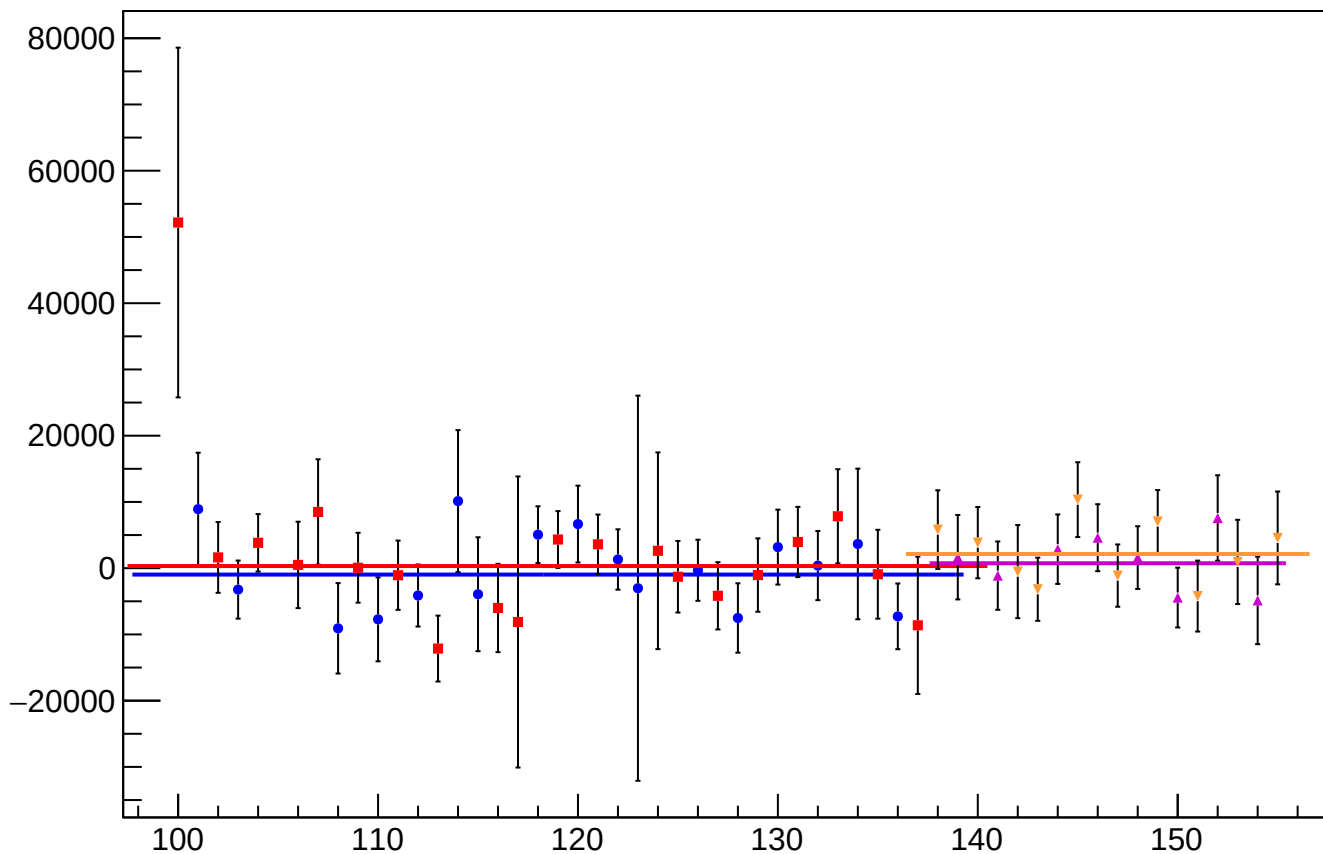
Left In: 4333.647 $\pm$ 1.210 χ^2 /NDF:288434.5/7

783.783 $\pm$ 0.262 χ^2 /NDF: 18859269.7/26

867.876 $\pm$ 0.205 χ^2 /NDF: 37173919.4/54

1003.159 $\pm$ 0.332 χ^2 /NDF: 18044986.2/27

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -964.151 ± 1395.626 χ^2/NDF : 13.7/16

Left Out: 2144.204 ± 1745.787 χ^2/NDF : 7.1/9

Right Out: 323.694 ± 1327.331 χ^2/NDF : 17.8/19

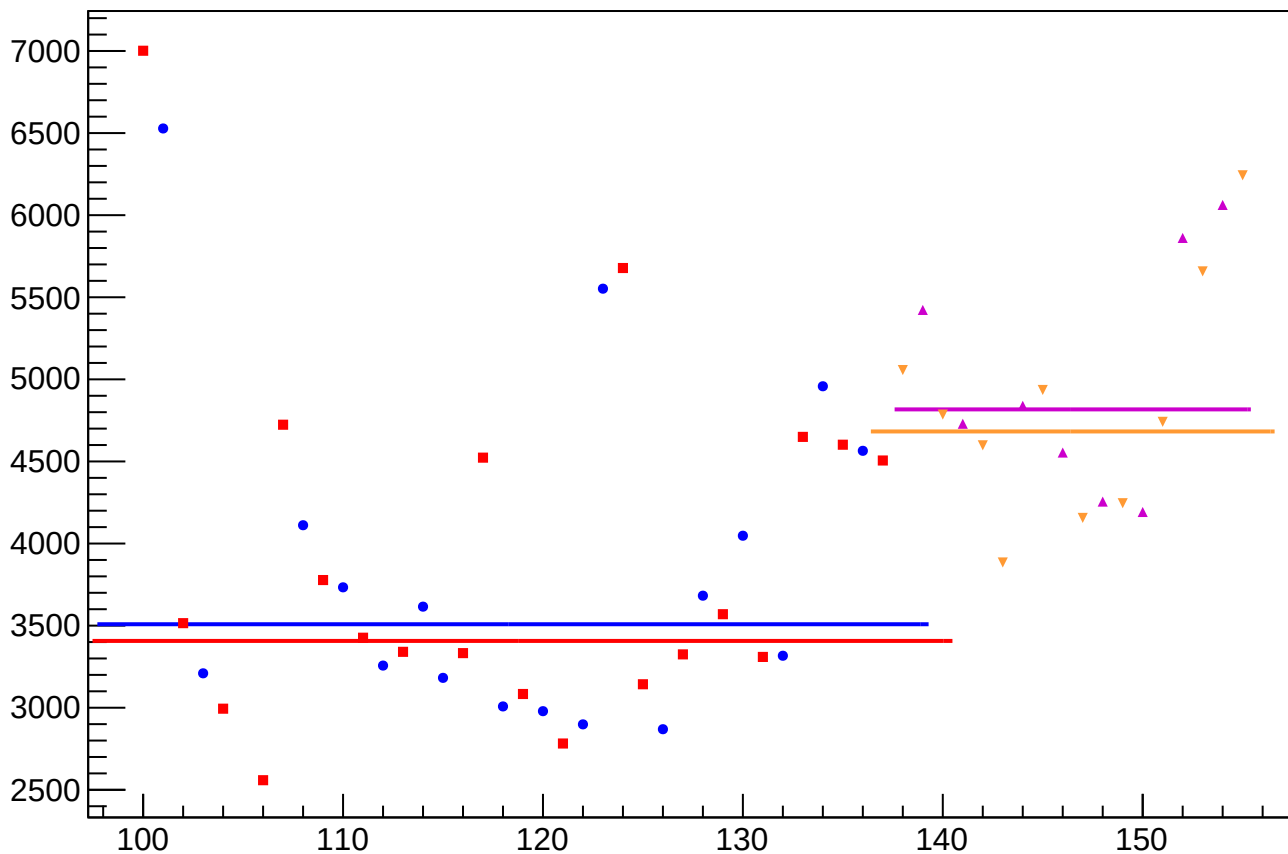
Left In: 744.226 ± 1895.486 χ^2/NDF : 4.1/7

247.801 ± 1090.106 χ^2/NDF : 22.8/26

355.210 ± 769.813 χ^2/NDF : 44.7/54

462.058 ± 1087.260 χ^2/NDF : 21.9/27

asym_atr1l2_dd_rms vs Slug, Sign Corrected



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

Left Out: 4682.674+/-1.234 χ^2/NDF : 257510.9/9

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

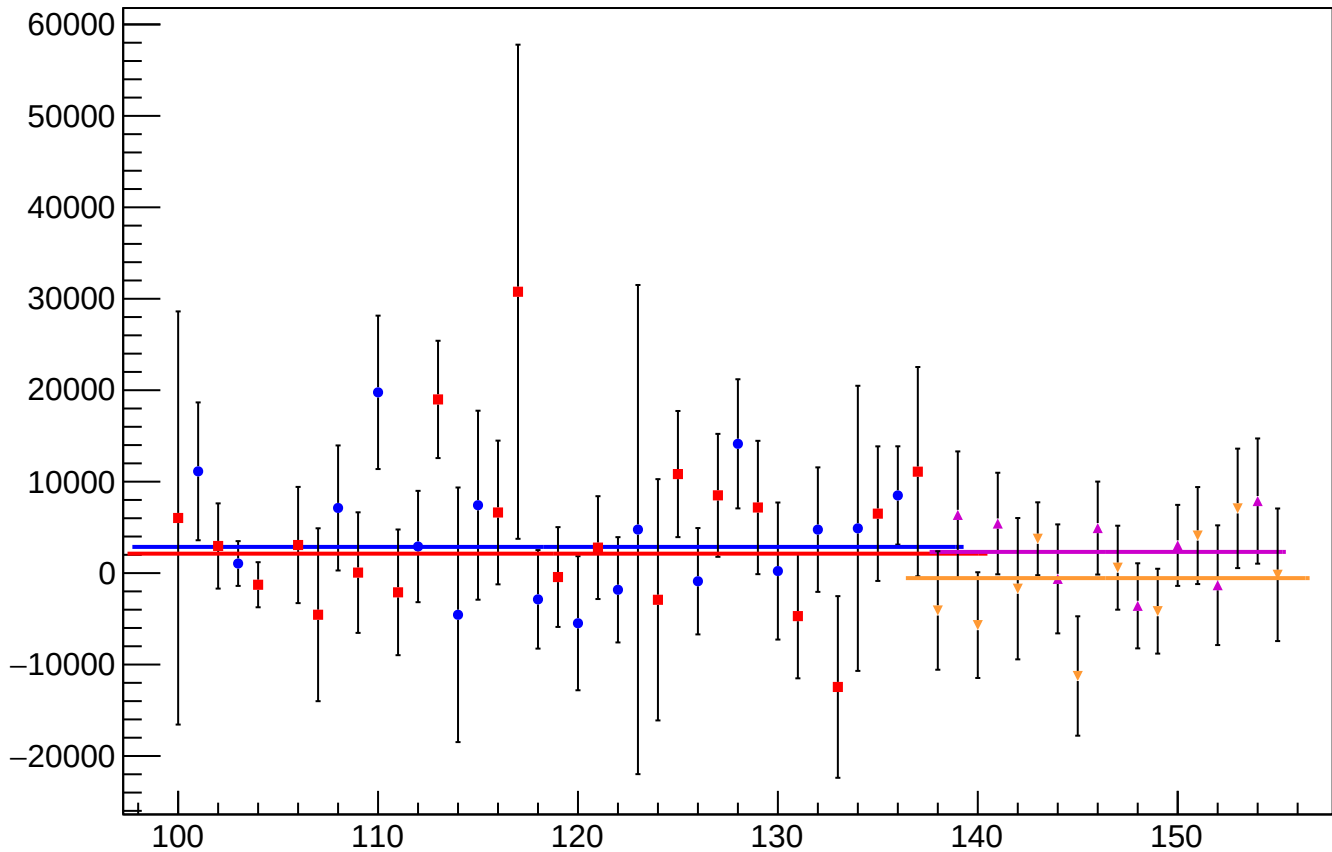
Left In: 4817.036+/-1.340 χ^2/NDF : 214016.1/7

3966.299+/-0.771 χ^2/NDF : 1371692.8/26

3913.961+/-0.542 χ^2/NDF : 2777623.4/54

3862.798+/-0.762 χ^2/NDF : 1396813.5/27

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: -548.043 $\pm$ 1743.885 χ^2 /NDF: 7.8/9

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

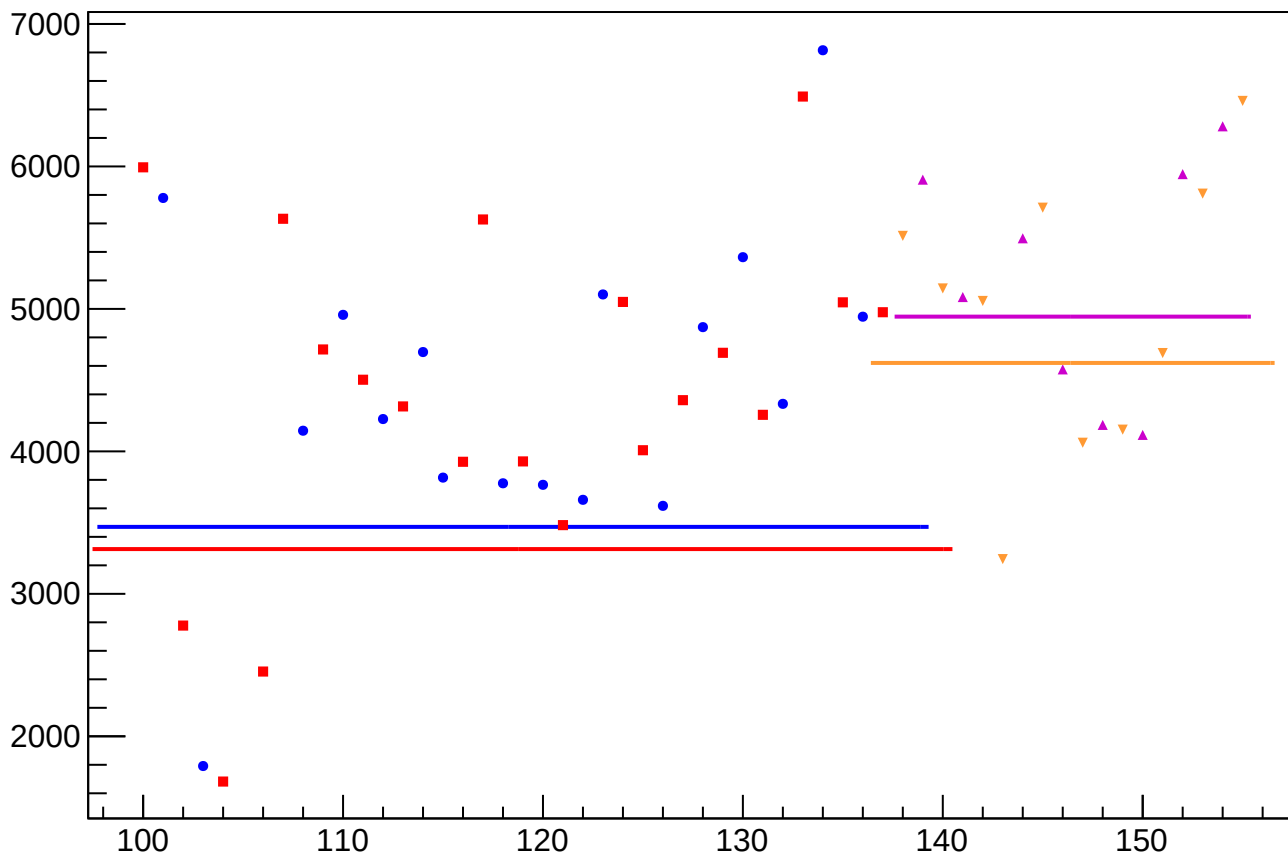
Left In: 2318.753 $\pm$ 1954.108 χ^2 /NDF: 3.8/7

1466.735 $\pm$ 1116.145 χ^2 /NDF: 24.1/26

1824.927 $\pm$ 793.086 χ^2 /NDF: 46.9/54

2190.198 $\pm$ 1127.121 χ^2 /NDF: 22.6/27

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: 4620.761+/-1.233 χ^2/NDF : 600586.0/9

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

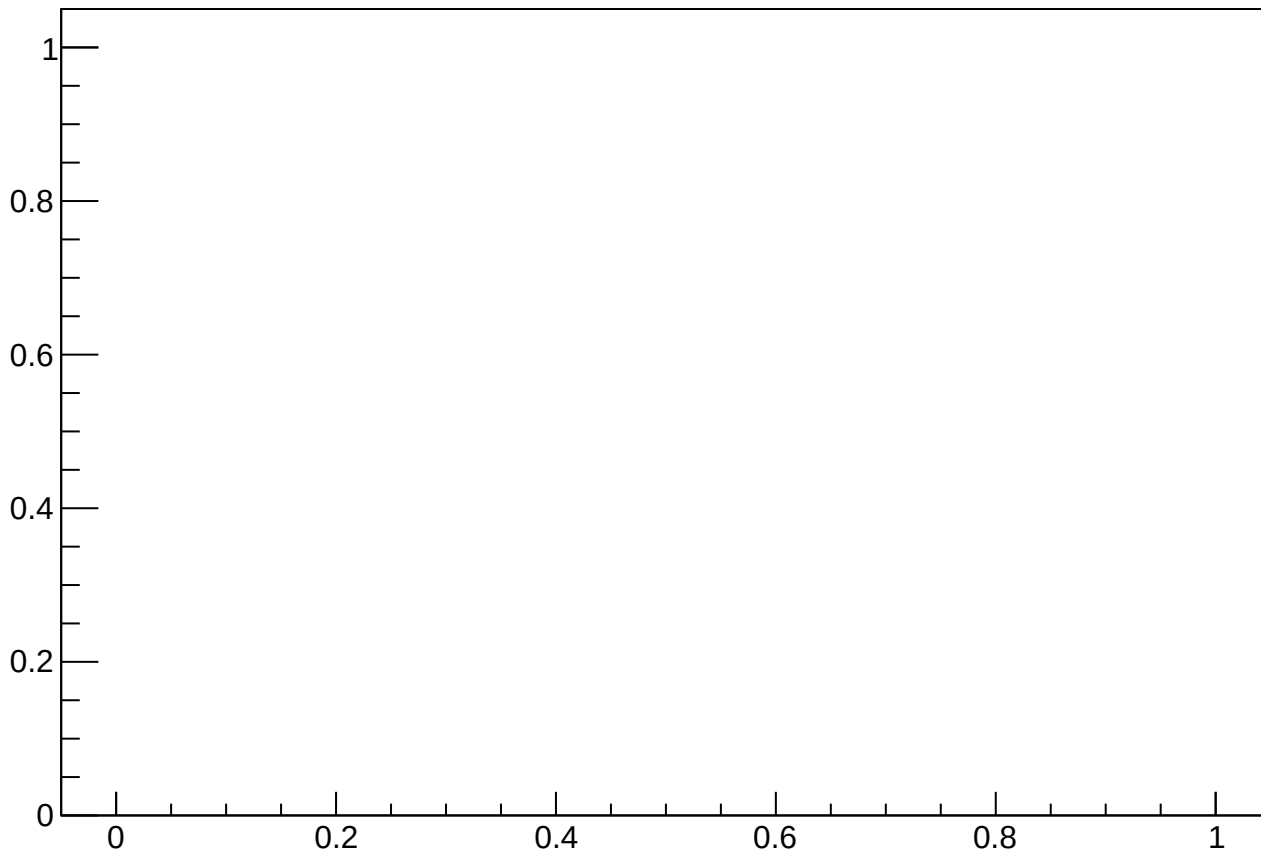
Left In: 4945.813+/-1.382 χ^2/NDF : 313626.4/7

3941.412+/-0.789 χ^2/NDF : 2875556.5/26

3896.075+/-0.559 χ^2/NDF : 6057410.8/54

3850.403+/-0.792 χ^2/NDF : 3175229.9/27

asym_atl_avg_atr_avg_avg_correction_mean vs Slug, Sign Corrected



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

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

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

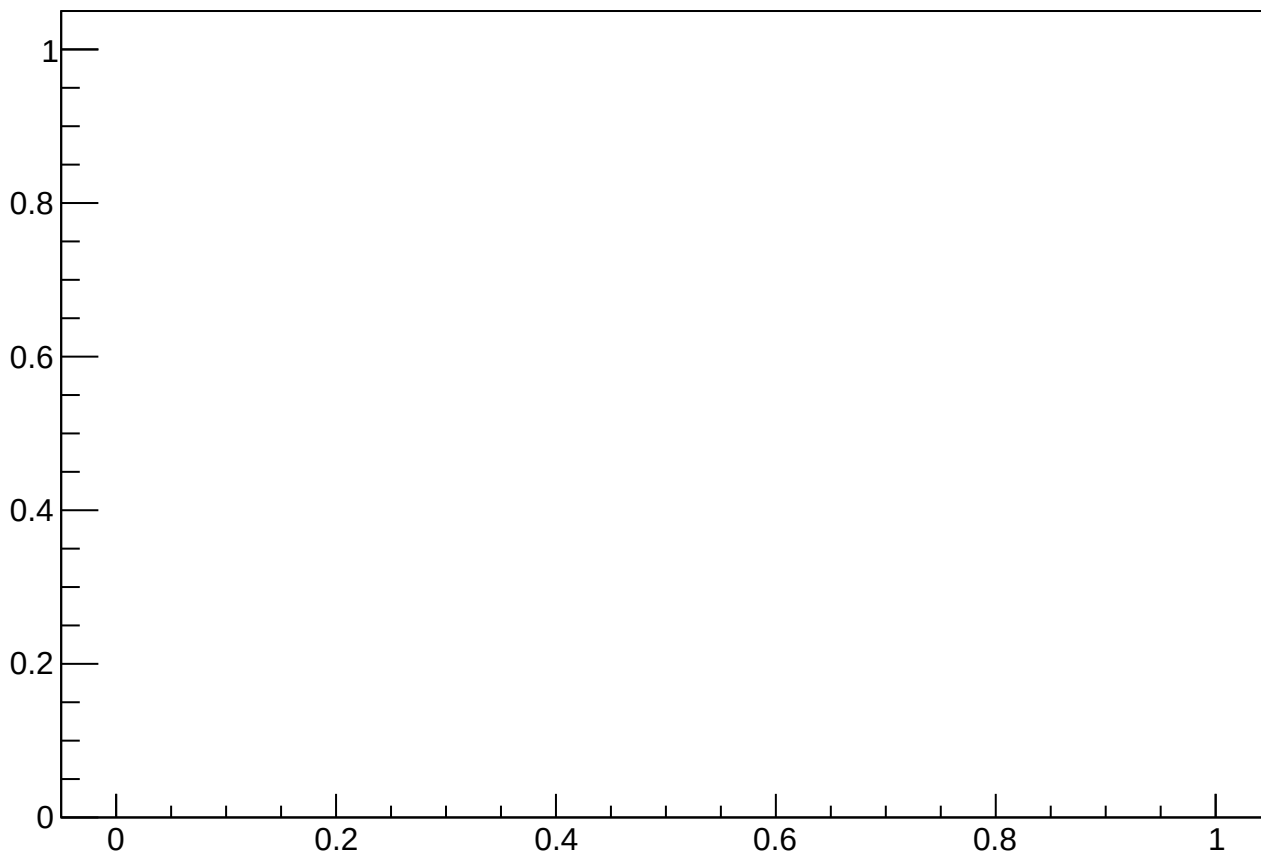
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug, Sign Corrected



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

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

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

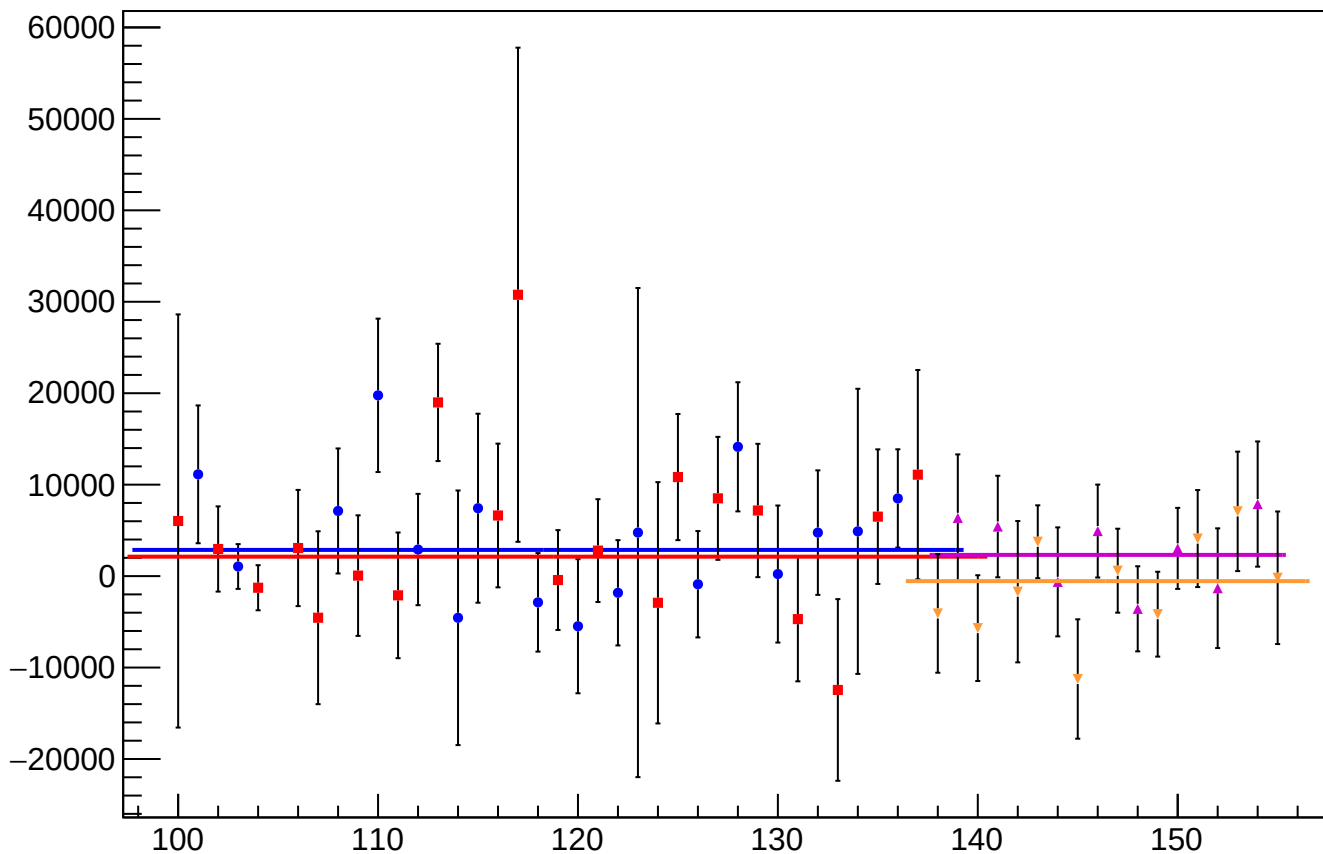
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



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

Left Out: -548.043 $\pm$ 1743.885 χ^2 /NDF: 7.8/9

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

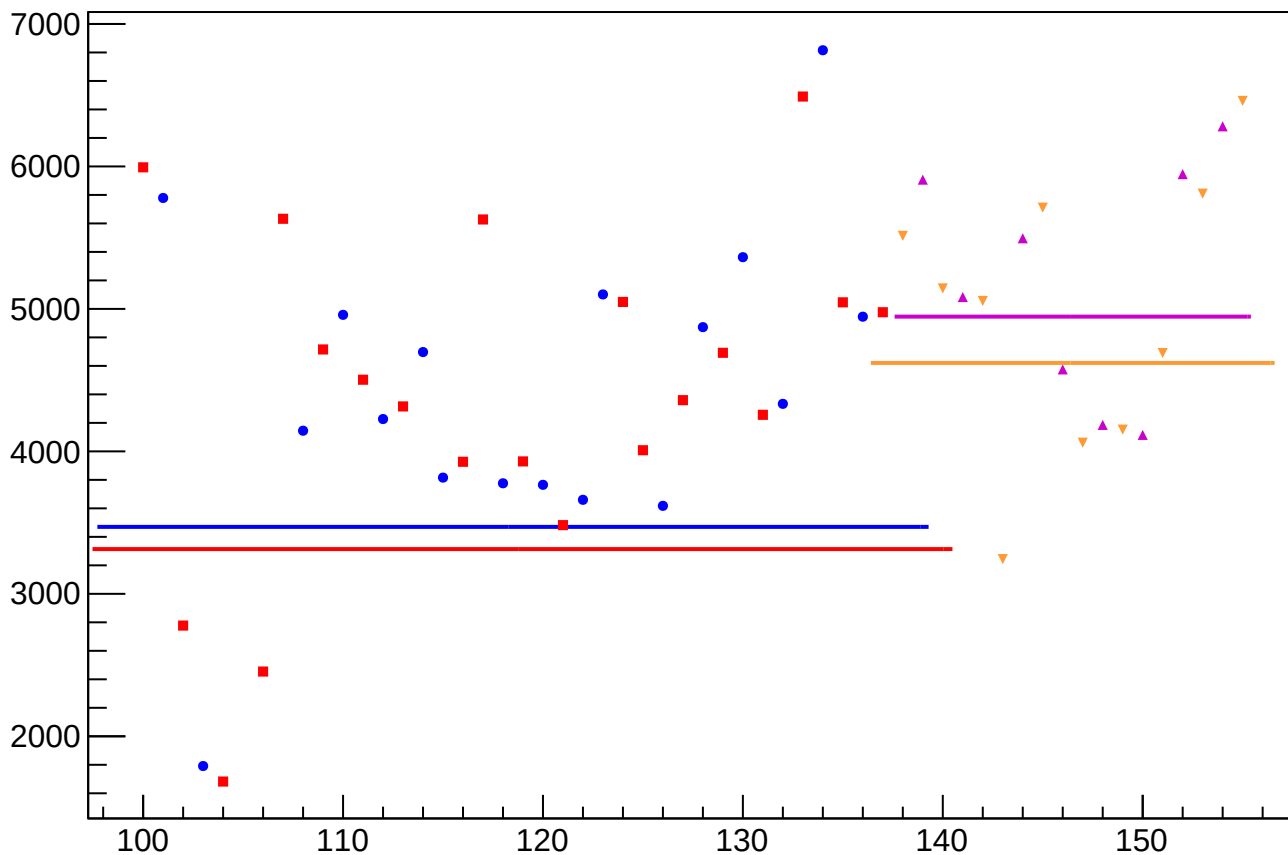
Left In: 2318.753 $\pm$ 1954.108 χ^2 /NDF: 3.8/7

1466.735 $\pm$ 1116.145 χ^2 /NDF: 24.1/26

1824.927 $\pm$ 793.086 χ^2 /NDF: 46.9/54

2190.198 $\pm$ 1127.121 χ^2 /NDF: 22.6/27

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: 4620.761+/-1.233 χ^2/NDF : 600586.0/9

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

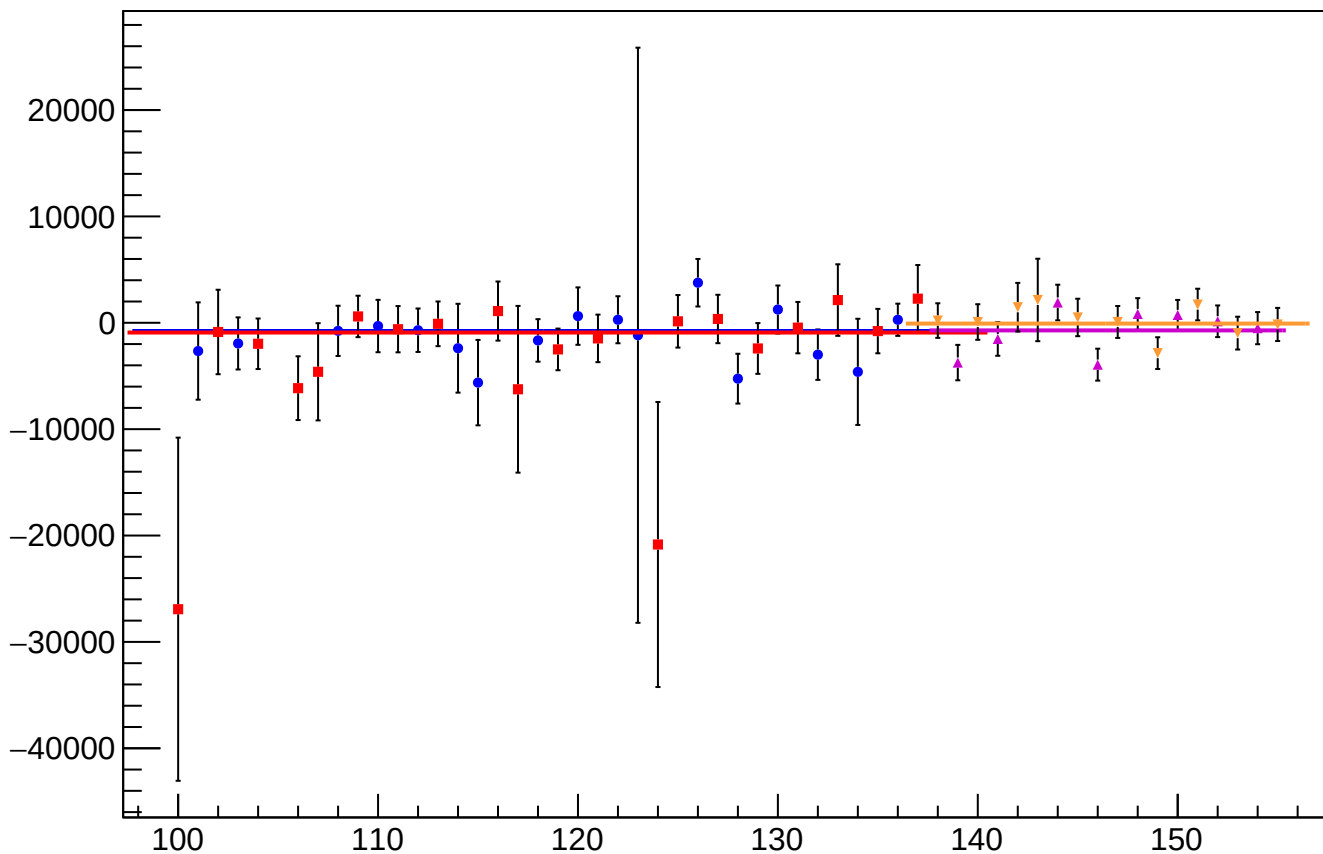
Left In: 4945.813+/-1.382 χ^2/NDF : 313626.4/7

3941.412+/-0.789 χ^2/NDF : 2875556.5/26

3896.075+/-0.559 χ^2/NDF : 6057410.8/54

3850.403+/-0.792 χ^2/NDF : 3175229.9/27

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: -72.882+/-535.047 χ^2/NDF : 6.2/9

Right Out: -915.893+/-593.346 χ^2/NDF : 14.0/19

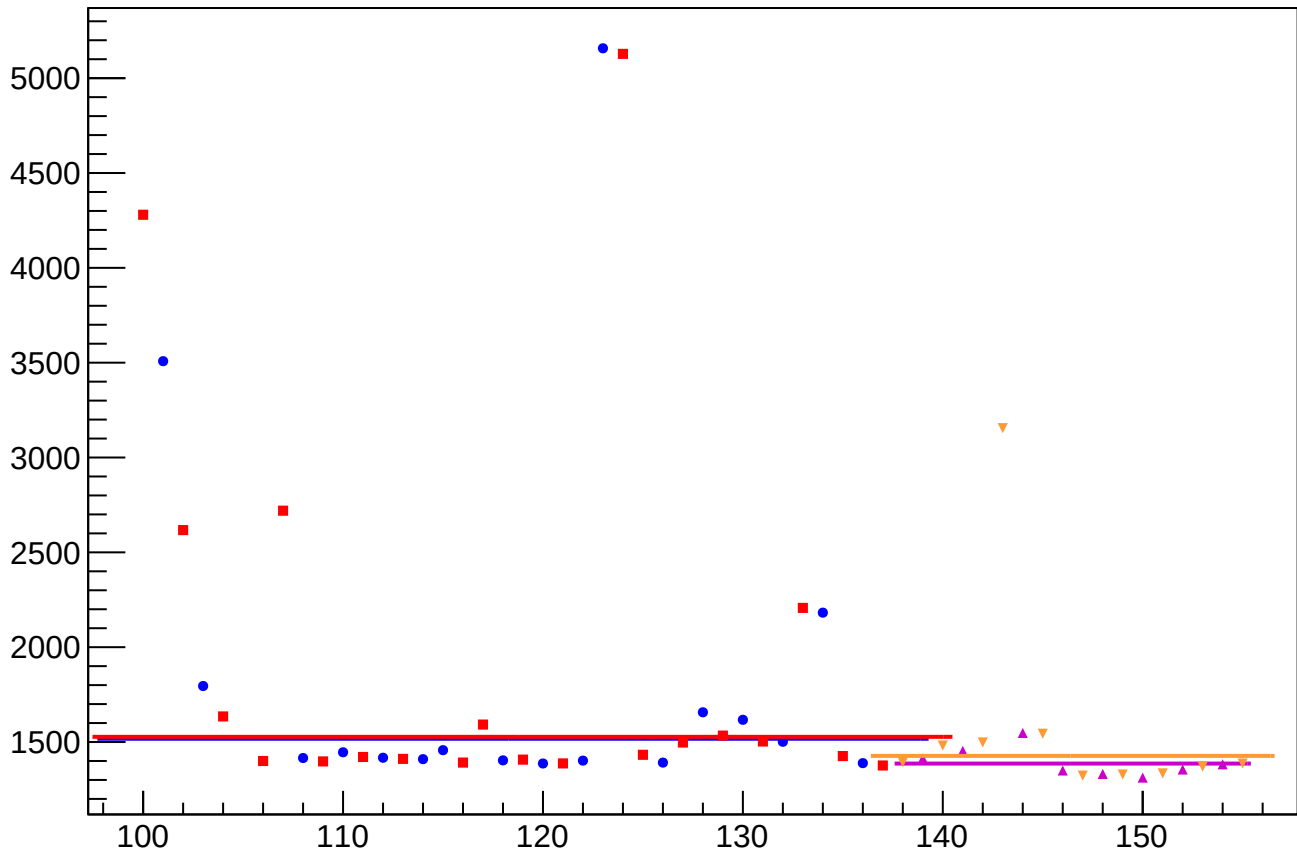
Left In: -715.901+/-542.013 χ^2/NDF : 13.1/7

-380.078+/-400.414 χ^2/NDF : 20.2/26

-593.601+/-283.053 χ^2/NDF : 47.9/54

-806.873+/-400.180 χ^2/NDF : 27.1/27

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: 1426.886+/-0.378 χ^2/NDF :441367.9/9

Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

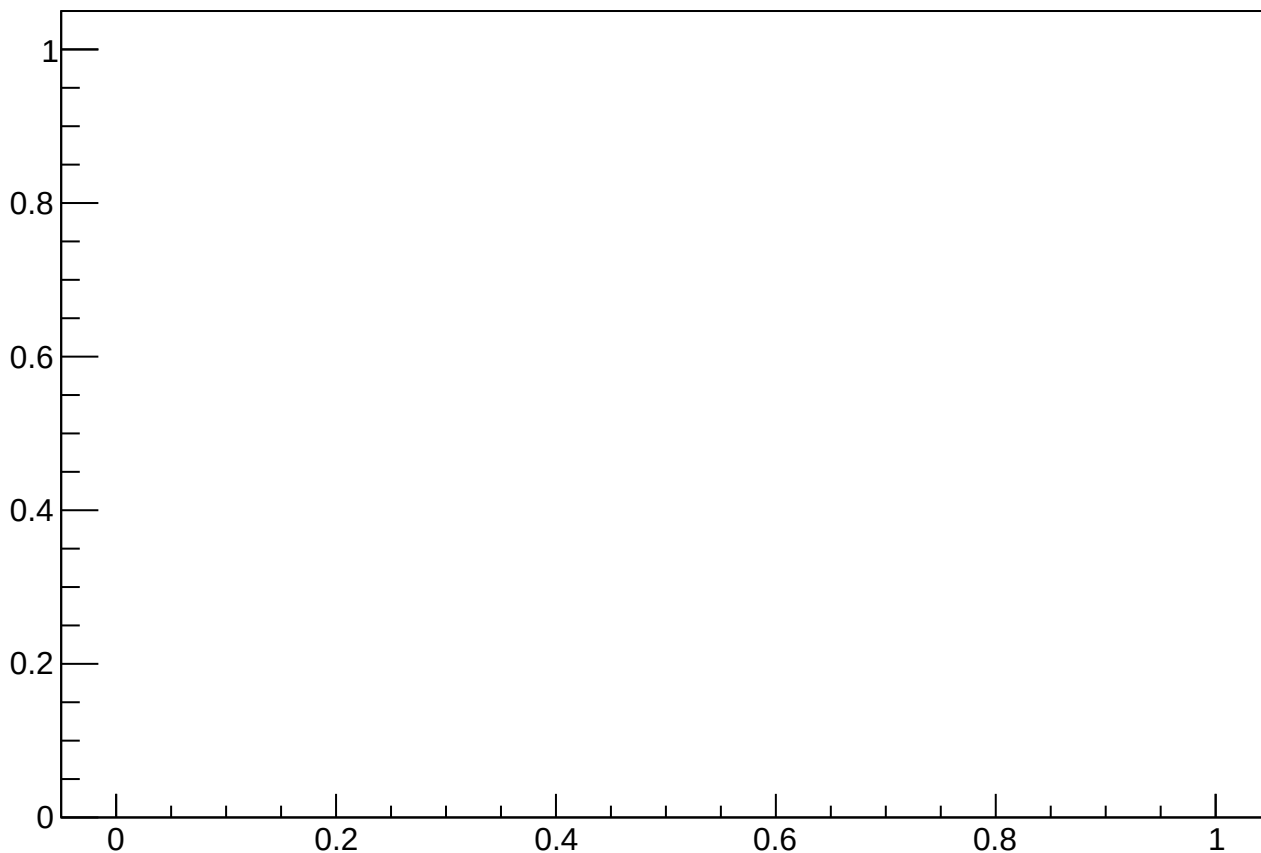
Left In: 1386.403+/-0.383 χ^2/NDF :32943.5/7

1466.678+/-0.283 χ^2/NDF : 1003174.9/26

1458.599+/-0.200 χ^2/NDF : 1731111.3/54

1450.530+/-0.283 χ^2/NDF : 726309.1/27

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

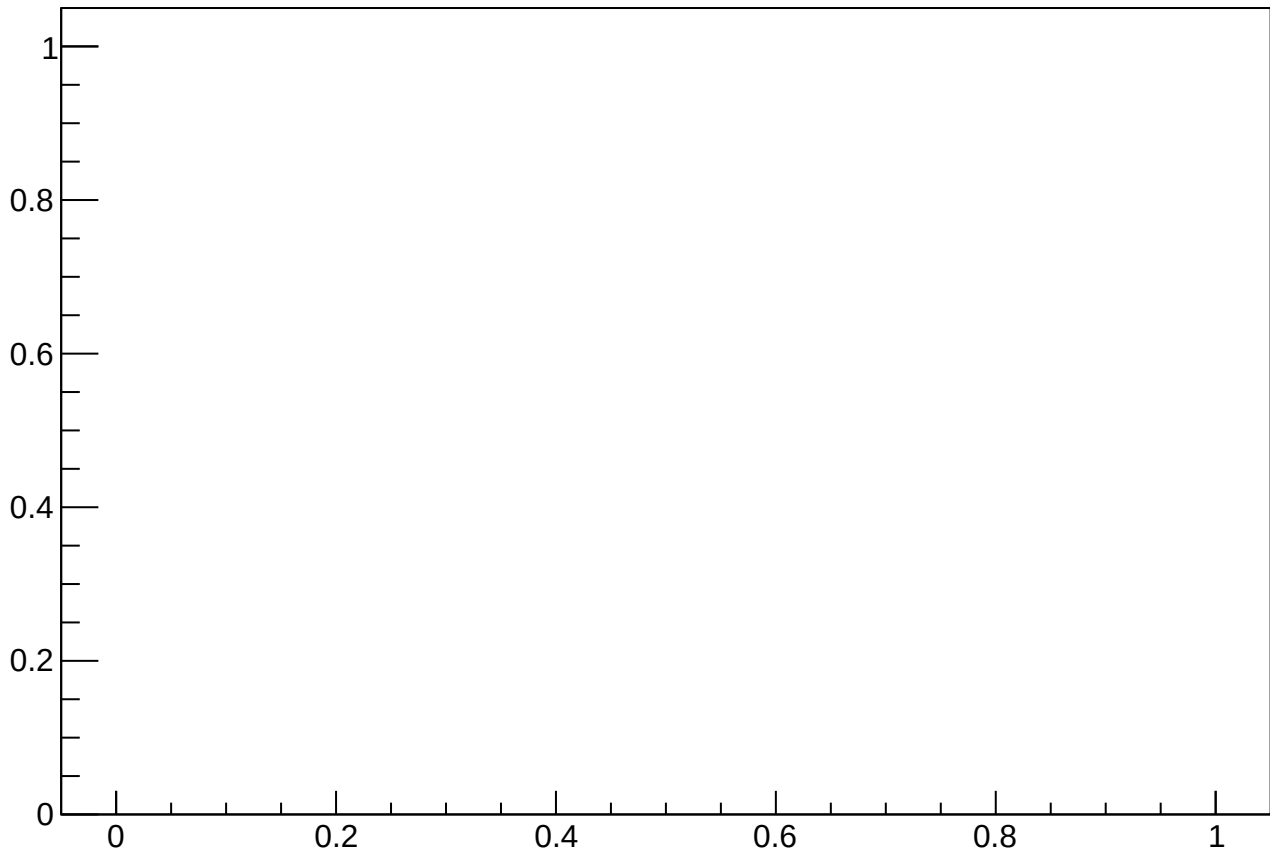
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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

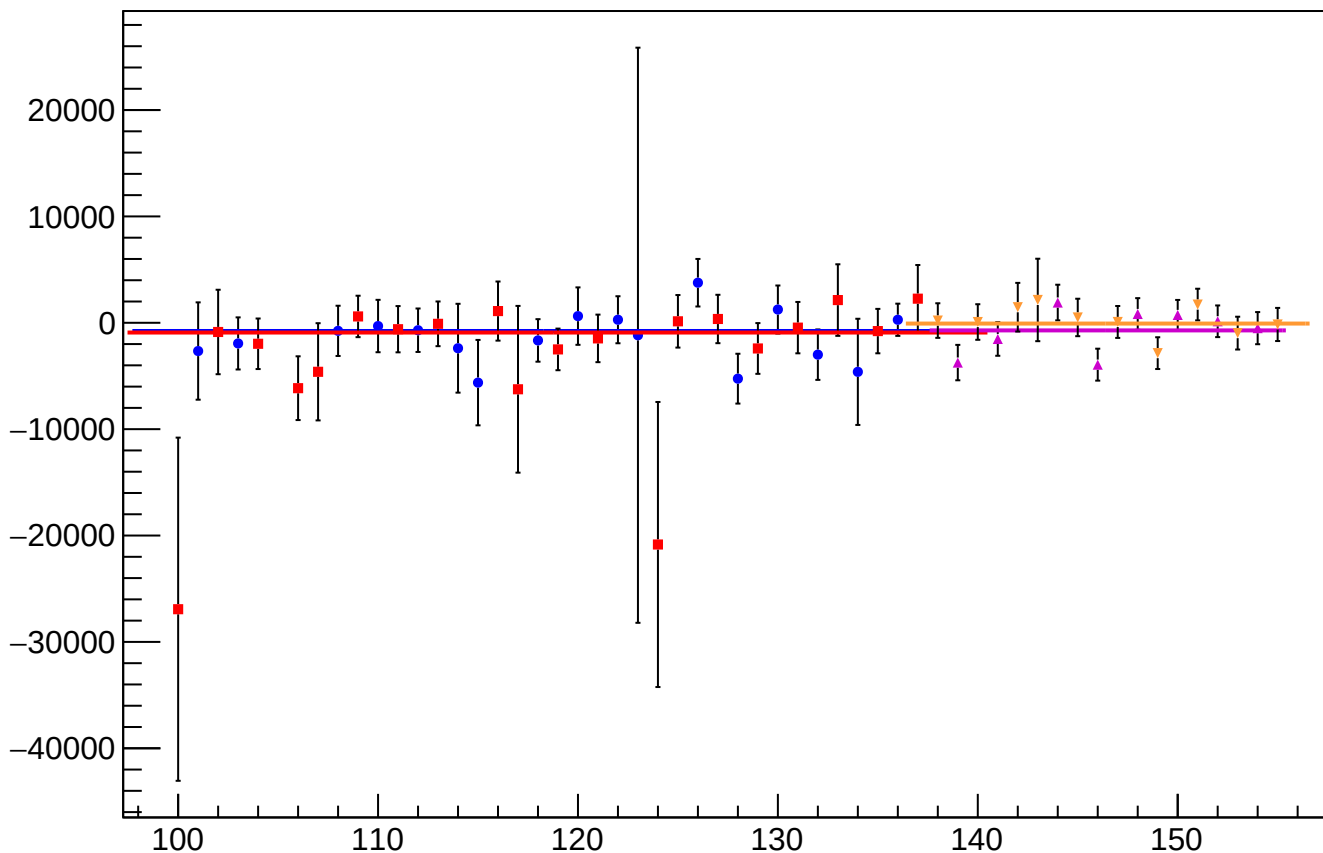
asym_atl_avg_atr_avg_dd_correction_rms vs Slug, Sign Corrected



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: -72.882+/-535.047 χ^2/NDF : 6.2/9

Right Out: -915.893+/-593.346 χ^2/NDF : 14.0/19

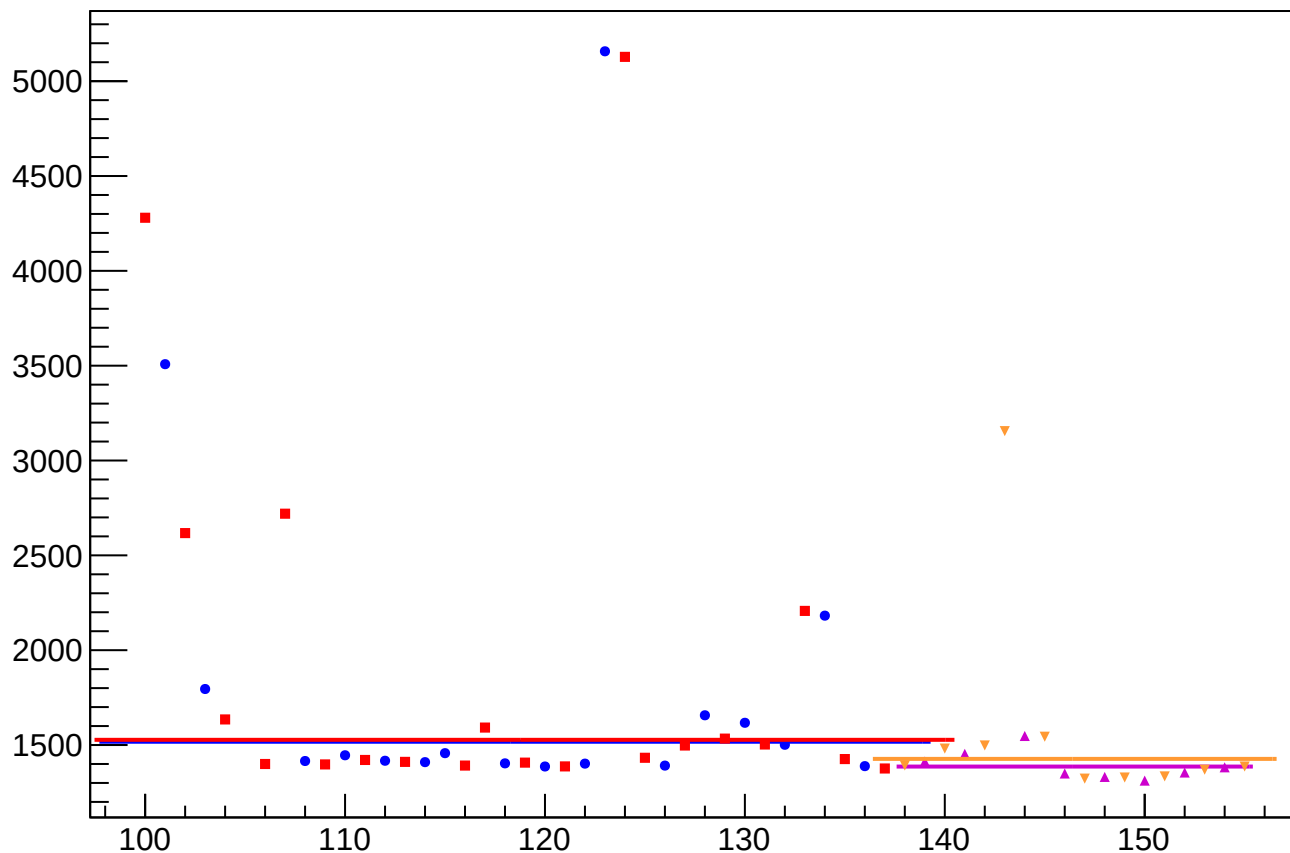
Left In: -715.901+/-542.013 χ^2/NDF : 13.1/7

-380.078+/-400.414 χ^2/NDF : 20.2/26

-593.601+/-283.053 χ^2/NDF : 47.9/54

-806.873+/-400.180 χ^2/NDF : 27.1/27

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: 1426.886+/-0.378 χ^2/NDF : 441367.9/9

Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

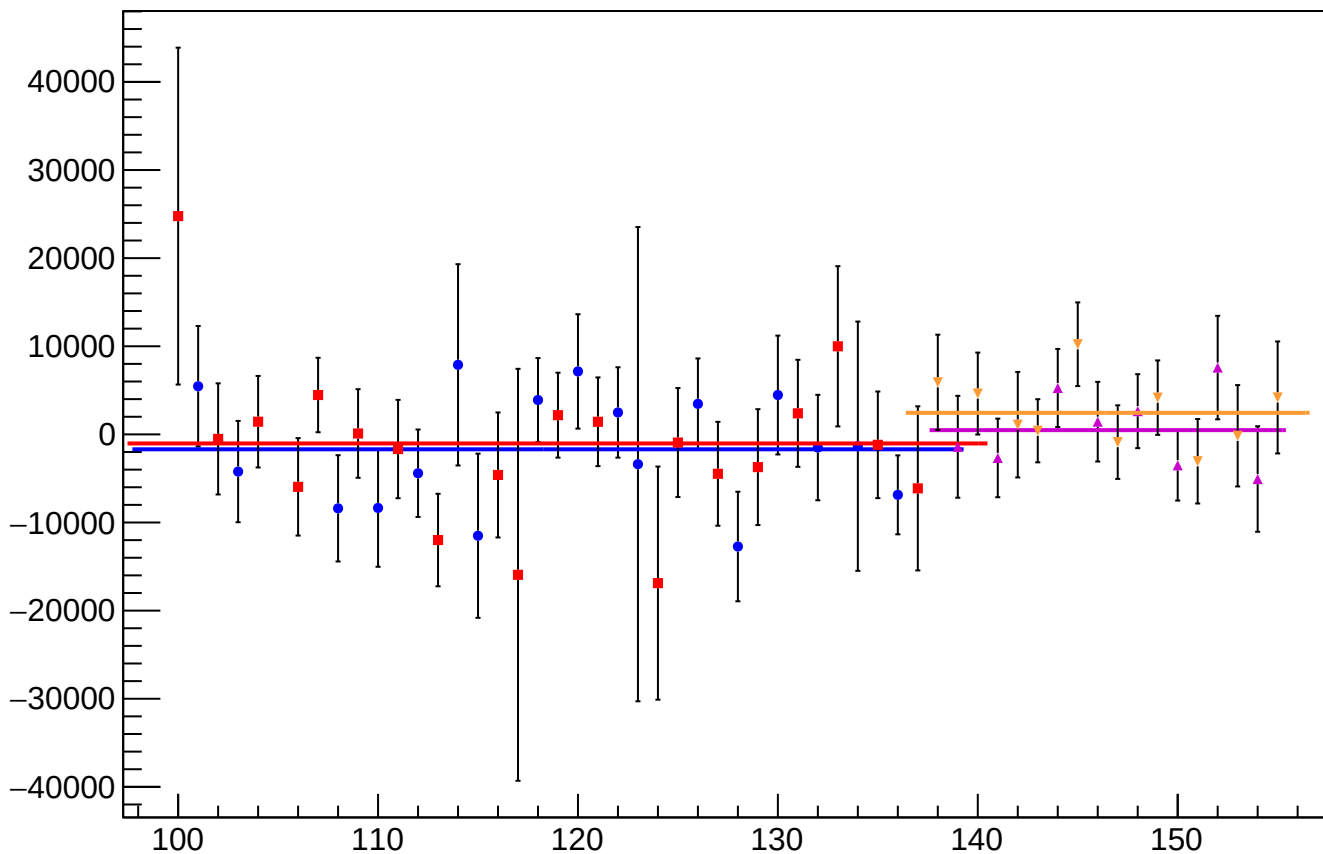
Left In: 1386.403+/-0.383 χ^2/NDF : 32943.5/7

1466.678+/-0.283 χ^2/NDF : 1003174.9/26

1458.599+/-0.200 χ^2/NDF : 1731111.3/54

1450.530+/-0.283 χ^2/NDF : 726309.1/27

reg_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1692.604 ± 1512.935 χ^2/NDF : 15.8/16

Left Out: 2446.517 ± 1503.189 χ^2/NDF : 6.1/9

Right Out: -1029.768 ± 1376.481 χ^2/NDF : 14.3/19

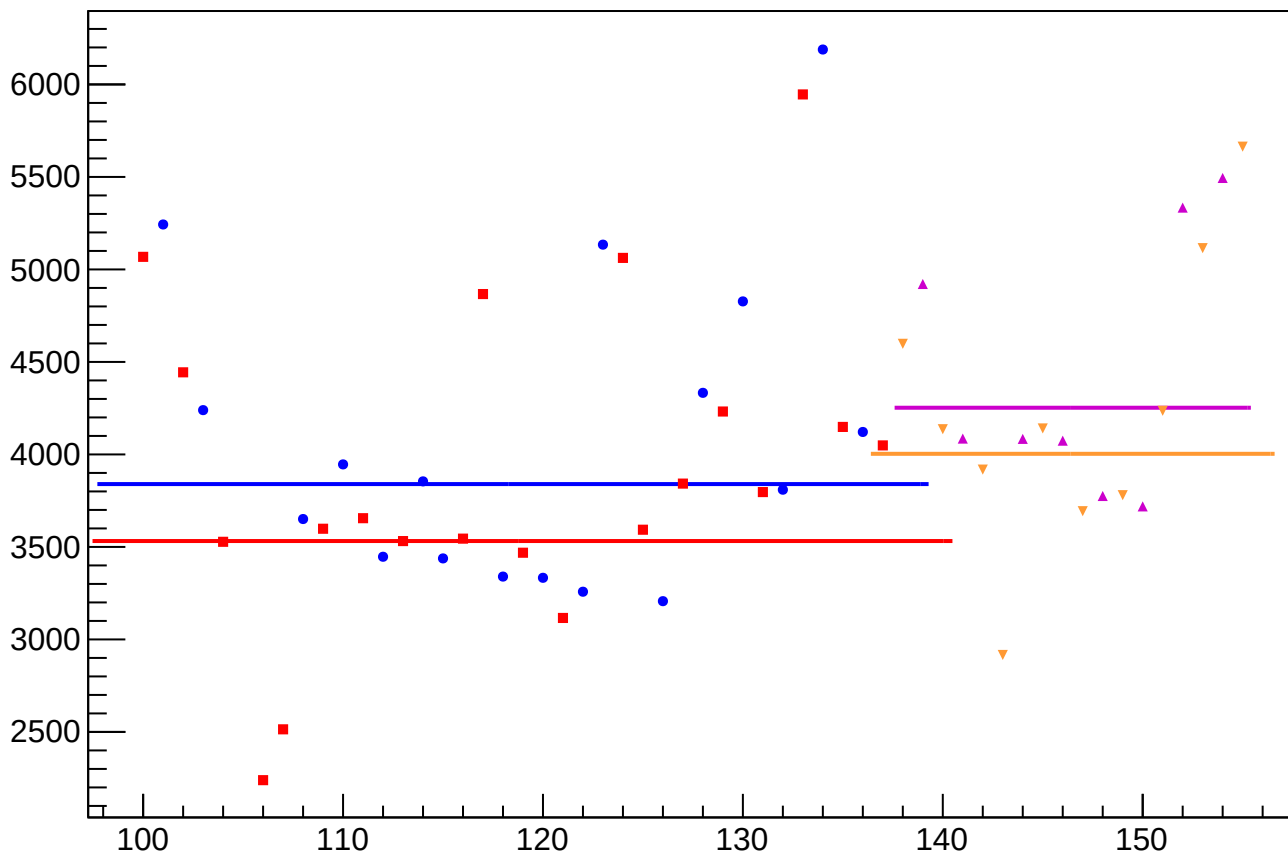
Left In: 481.474 ± 1675.638 χ^2/NDF : 5.4/7

390.332 ± 1066.344 χ^2/NDF : 25.7/26

-16.302 ± 753.055 χ^2/NDF : 46.2/54

-420.864 ± 1063.623 χ^2/NDF : 20.2/27

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: 4003.353+/-1.063 χ^2/NDF : 444758.8/9

Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

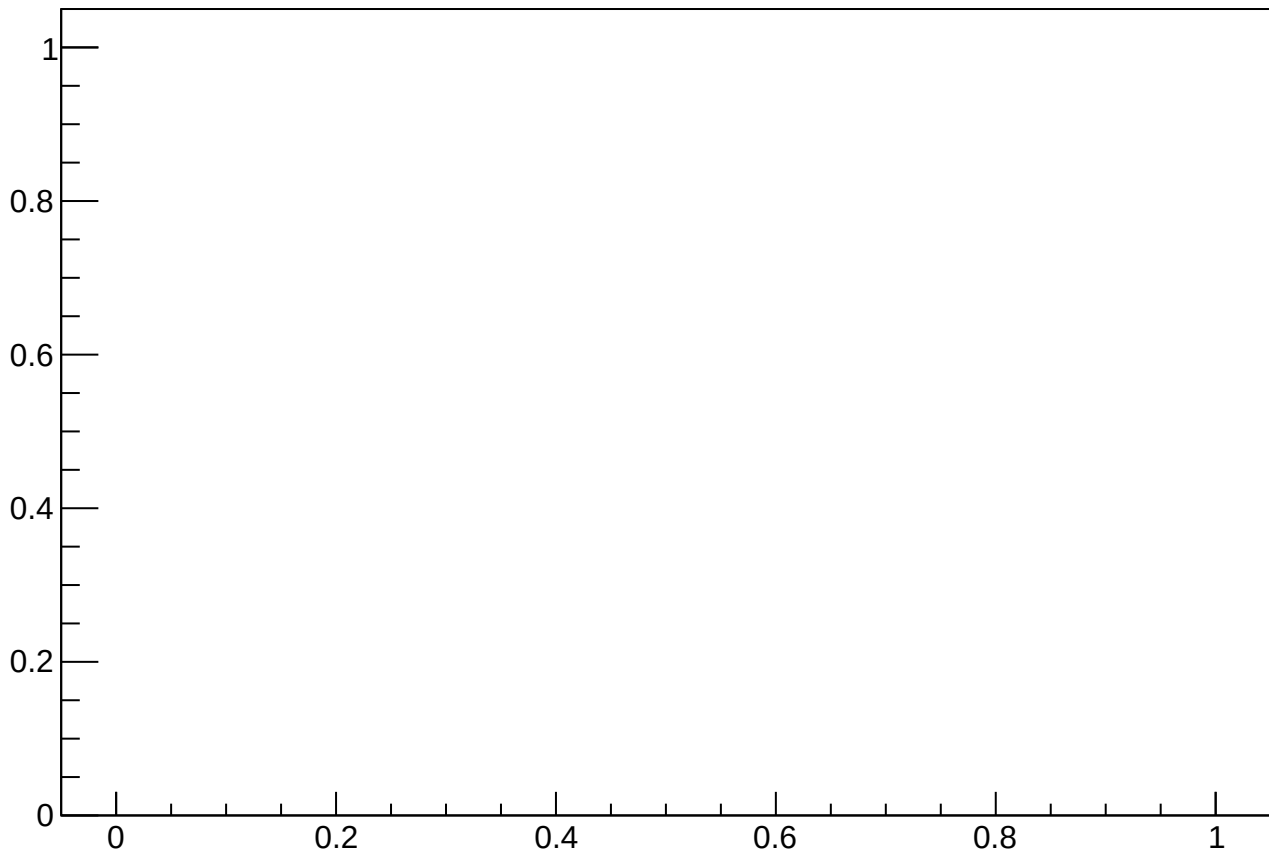
Left In: 4252.425+/-1.185 χ^2/NDF : 250829.7/7

3922.078+/-0.754 χ^2/NDF : 782487.0/26

3870.153+/-0.531 χ^2/NDF : 1826487.7/54

3819.051+/-0.748 χ^2/NDF : 1034591.0/27

asym_atl_dd_atr_dd_avg_correction_mean vs Slug, Sign Corrected



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

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

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

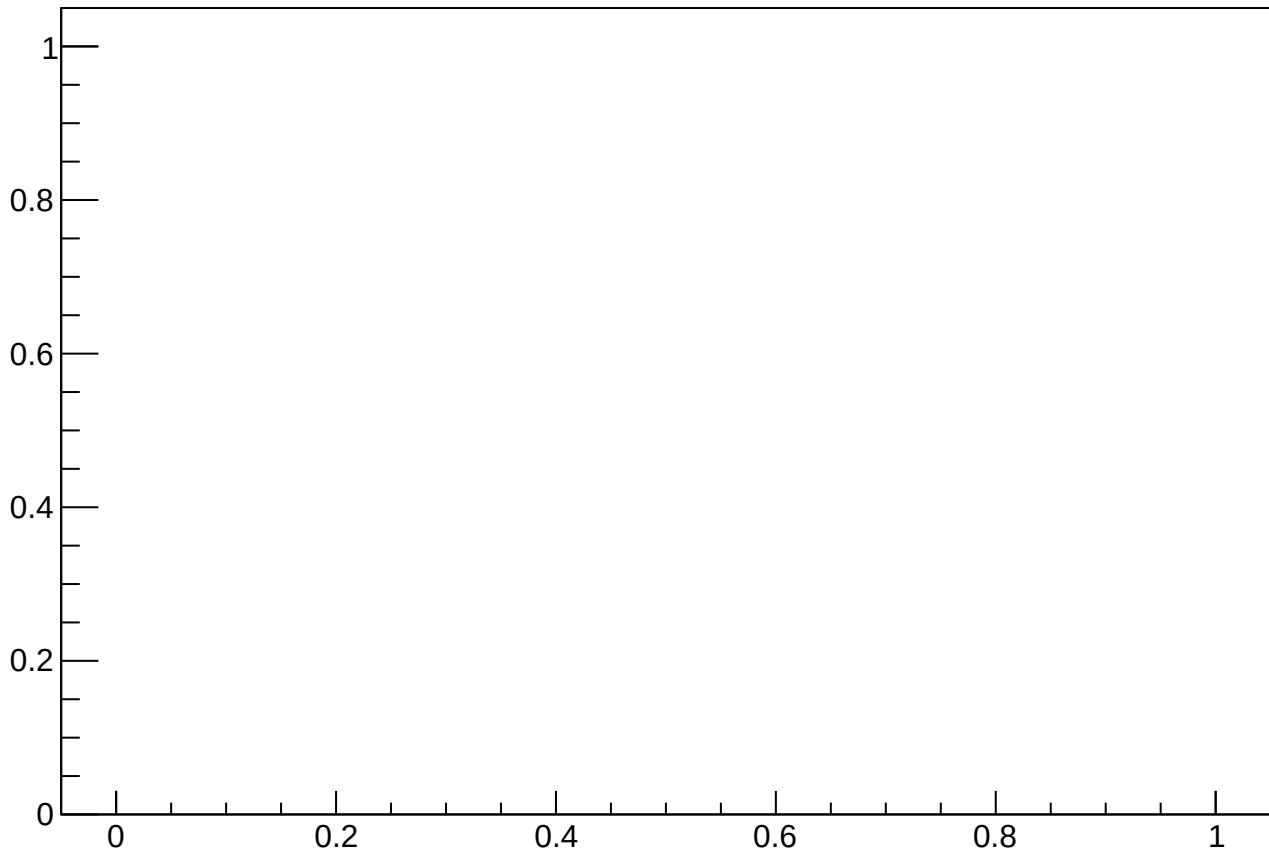
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug, Sign Corrected



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

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

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

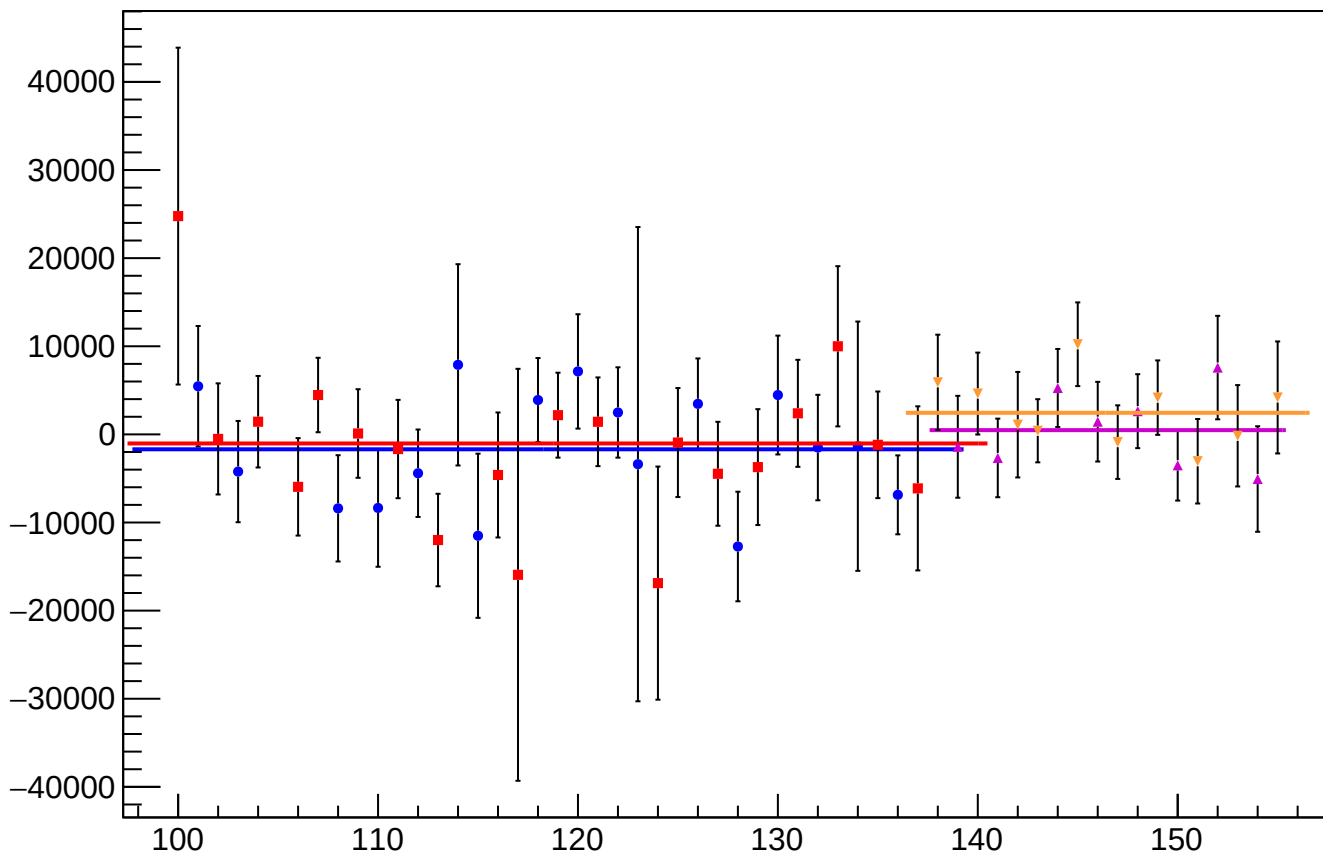
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



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

Left Out: 2446.517 $\pm$ 1503.189 χ^2 /NDF: 6.1/9

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

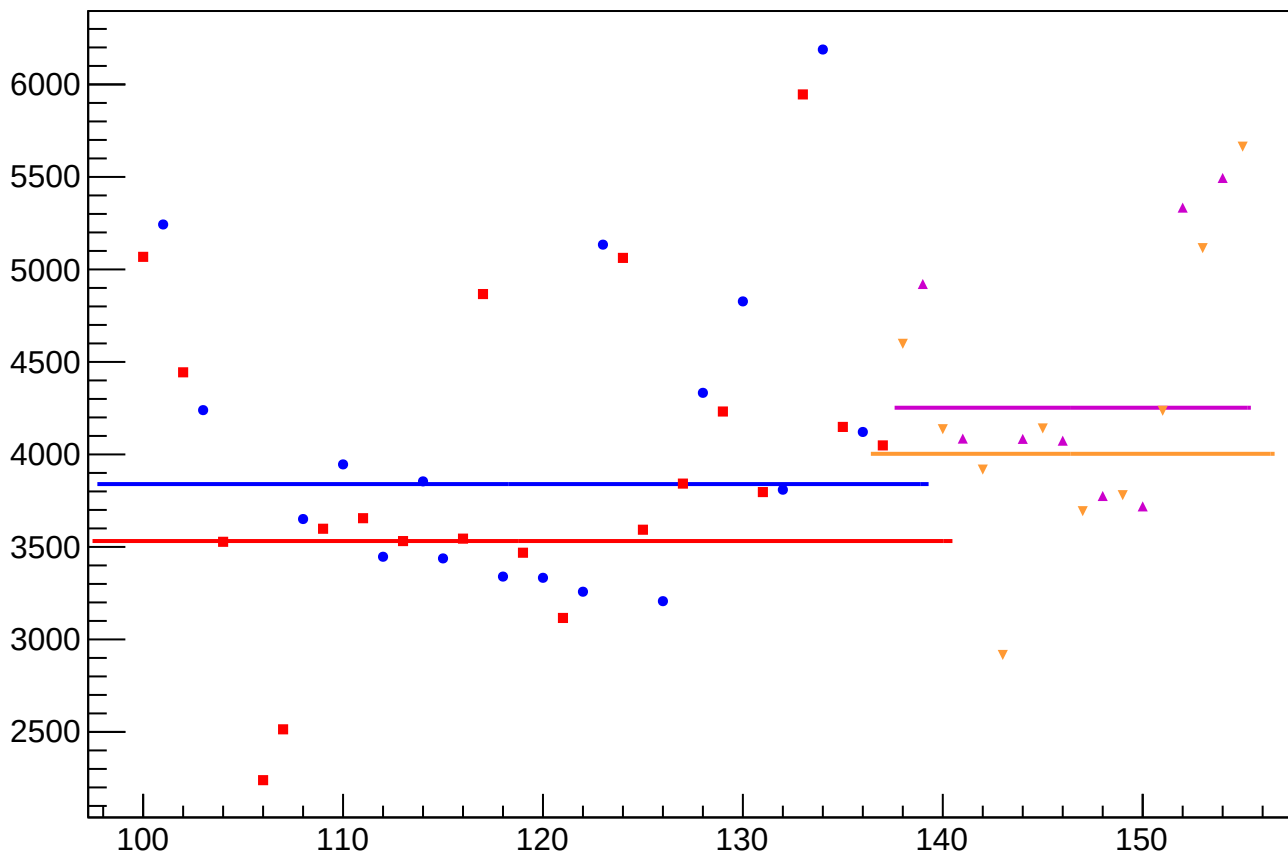
Left In: 481.474 $\pm$ 1675.638 χ^2 /NDF: 5.4/7

390.332 $\pm$ 1066.344 χ^2 /NDF: 25.7/26

-16.302 $\pm$ 753.055 χ^2 /NDF: 46.2/54

-420.864 $\pm$ 1063.623 χ^2 /NDF: 20.2/27

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: 4003.353+/-1.063 χ^2/NDF : 444758.8/9

Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

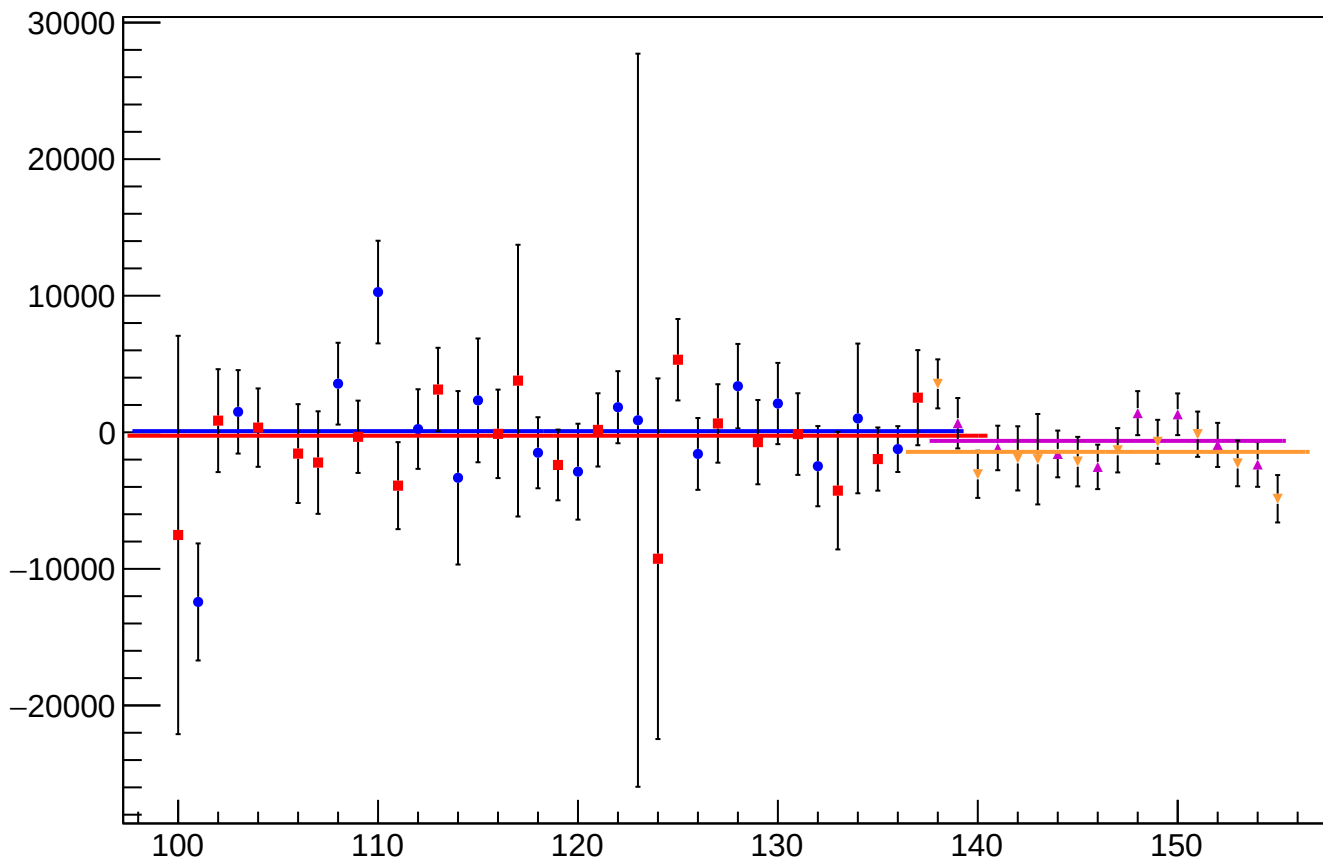
Left In: 4252.425+/-1.185 χ^2/NDF : 250829.7/7

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3870.153+/-0.531 χ^2/NDF : 1826487.7/54

3819.051+/-0.748 χ^2/NDF : 1034591.0/27

reg_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 83.860+/-750.549 χ^2/NDF : 22.9/16

Left Out: -1433.592+/-573.388 χ^2/NDF :13.8/9

Right Out: -250.743+/-732.124 χ^2/NDF : 10.3/19

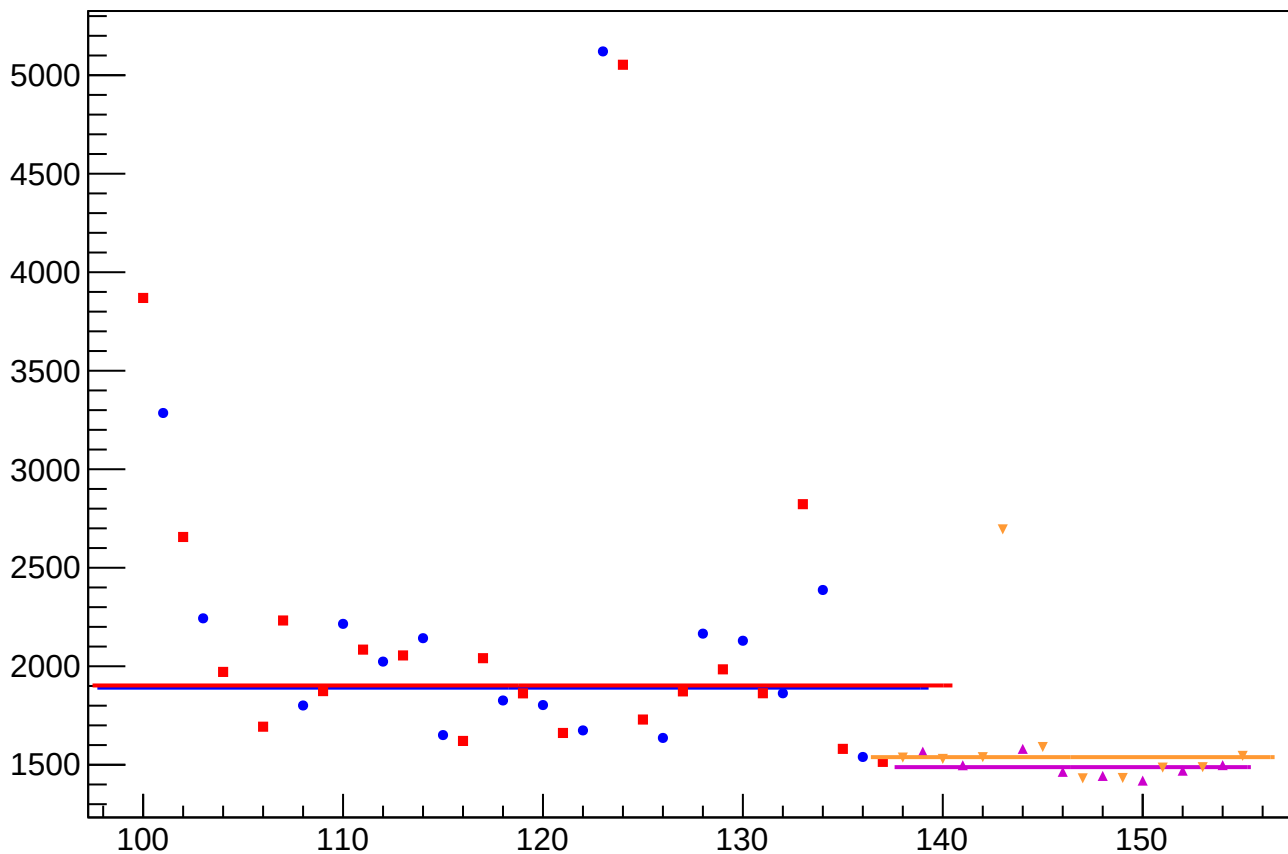
Left In: -629.196+/-581.239 χ^2/NDF :6.6/7

-874.350+/-455.639 χ^2/NDF : 39.3/26

-678.436+/-322.038 χ^2/NDF : 56.8/54

-482.882+/-455.221 χ^2/NDF : 17.1/27

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: 1538.797+/-0.405 χ^2/NDF : 266817.1/9

Right Out: 1902.551+/-0.518 χ^2/NDF : 461077.0/19

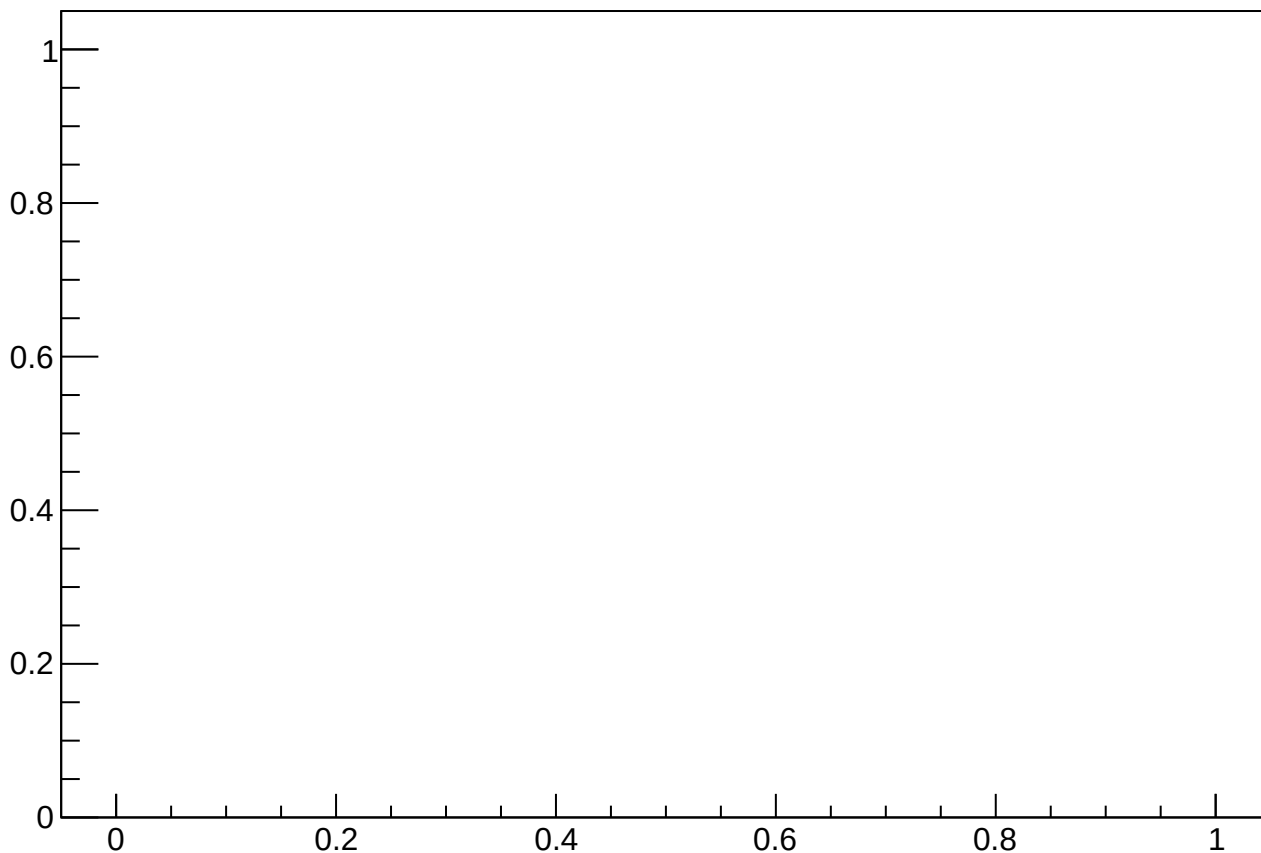
Left In: 1488.078+/-0.411 χ^2/NDF : 15864.8/7

1668.781+/-0.322 χ^2/NDF : 1010195.9/26

1658.542+/-0.228 χ^2/NDF : 1882340.5/54

1648.321+/-0.322 χ^2/NDF : 870126.5/27

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

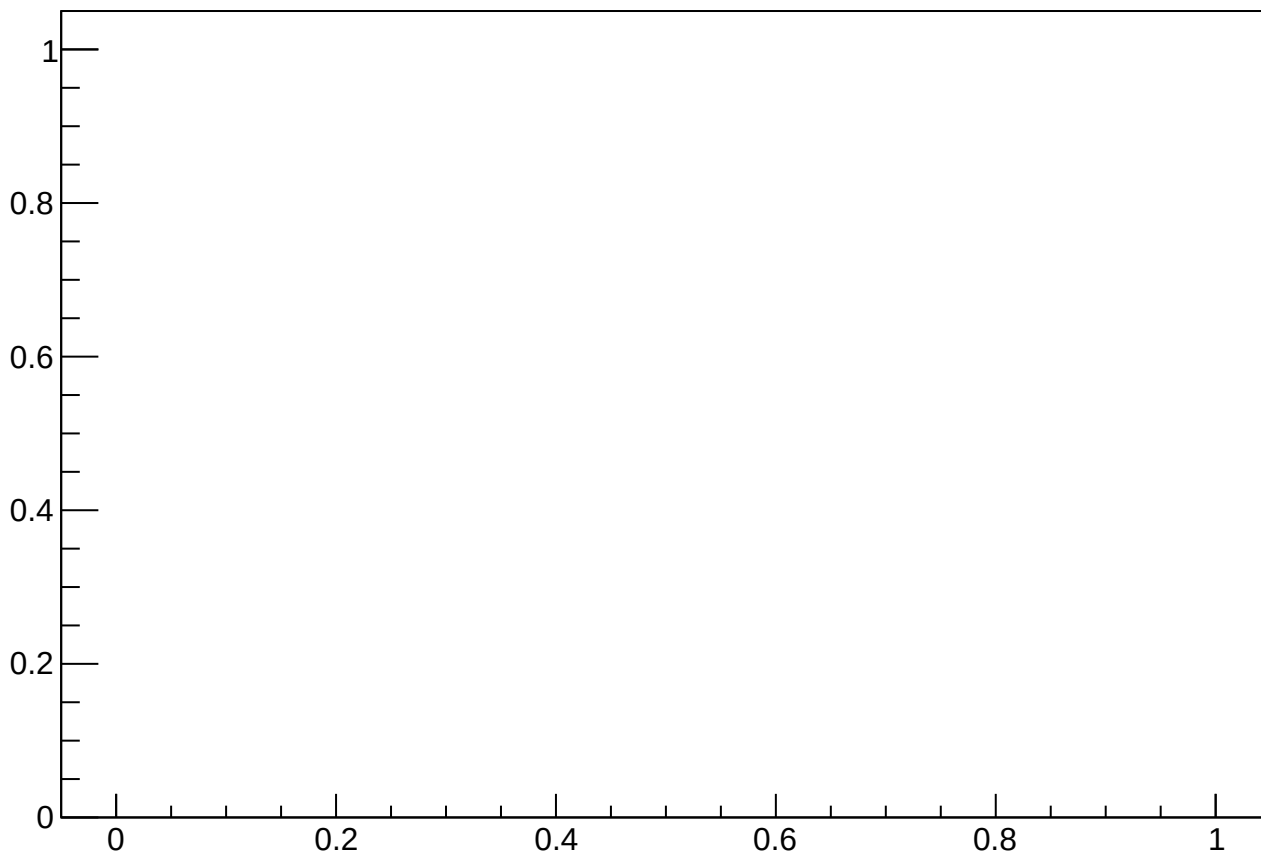
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

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

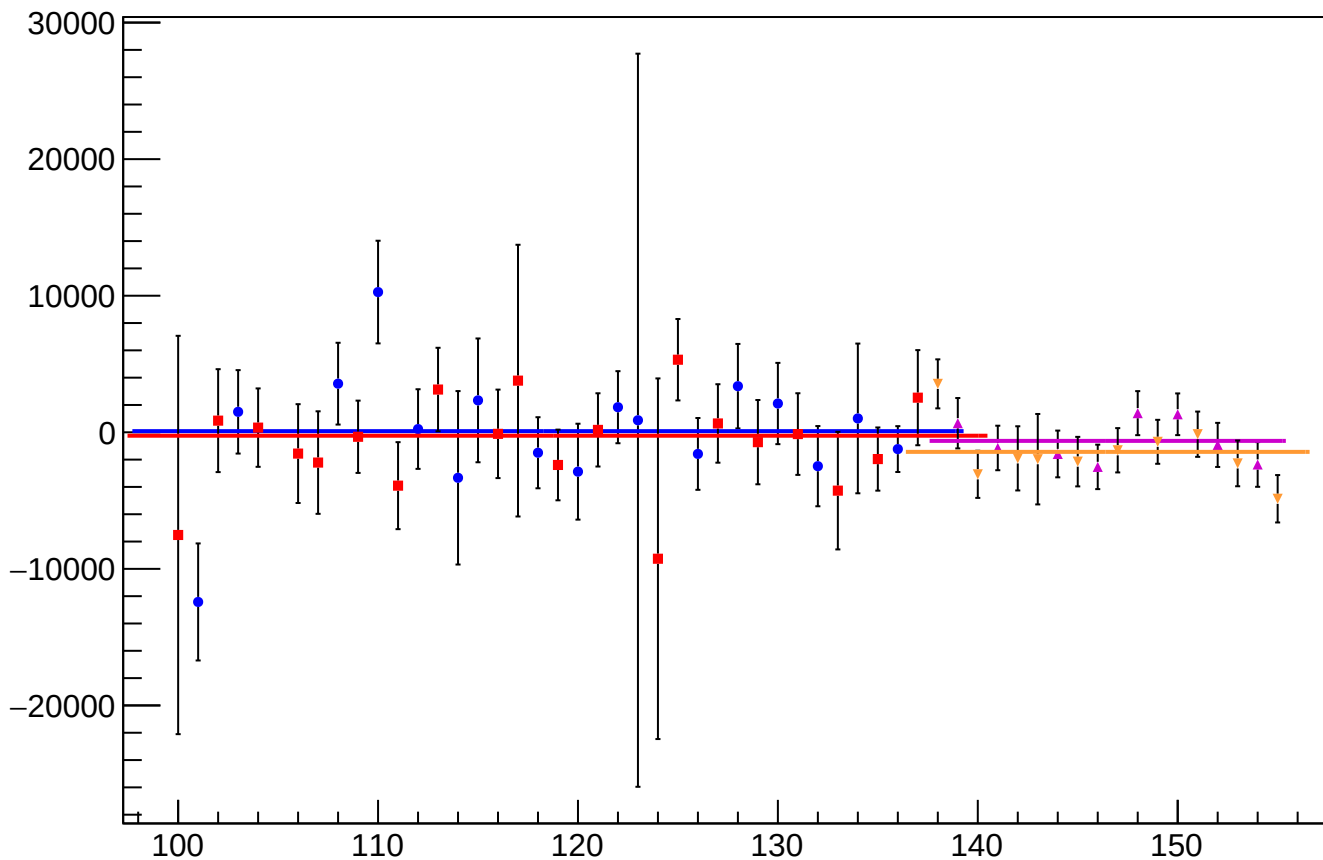
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: -1433.592 ± 573.388 χ^2/NDF : 13.8/9

Right Out: -250.743 ± 732.124 χ^2/NDF : 10.3/19

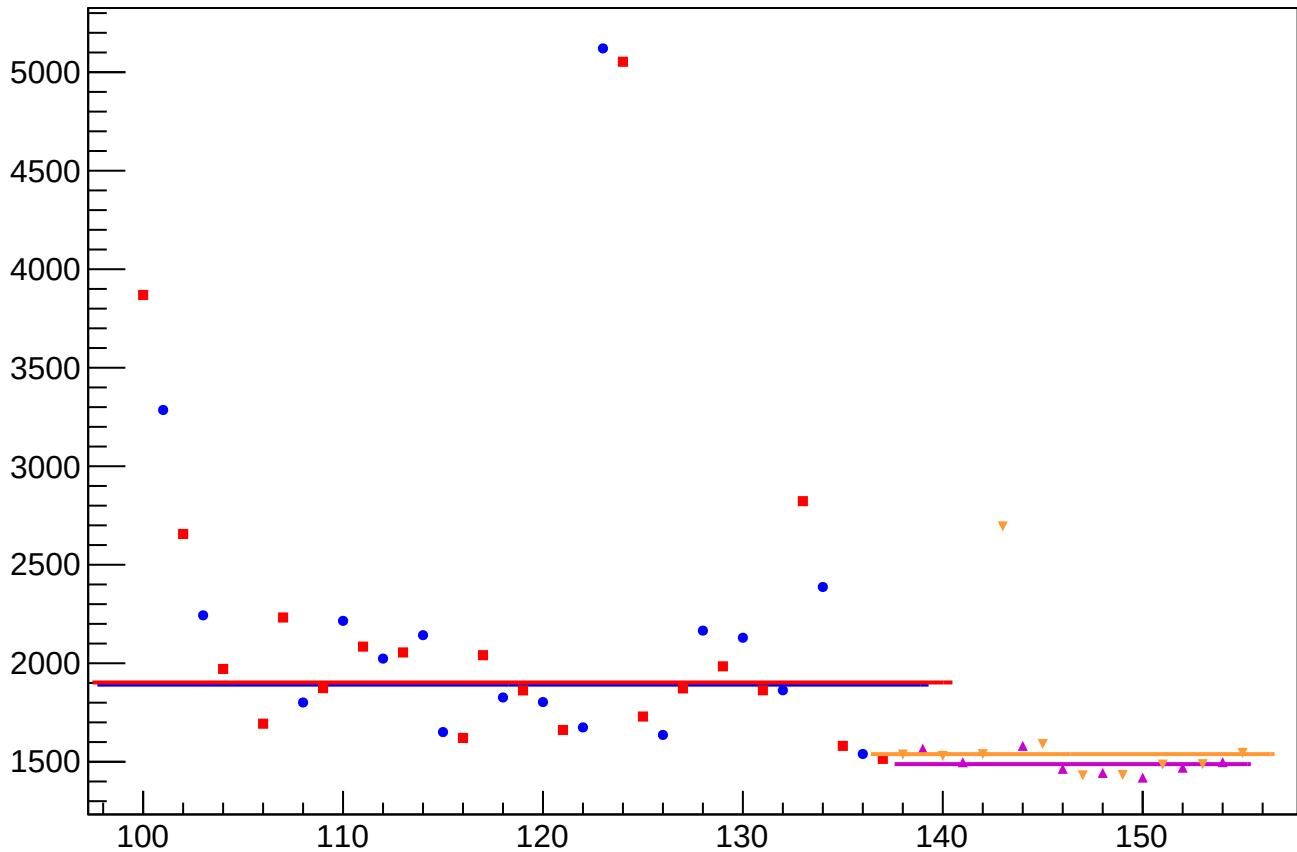
Left In: -629.196 ± 581.239 χ^2/NDF : 6.6/7

-874.350 ± 455.639 χ^2/NDF : 39.3/26

-678.436 ± 322.038 χ^2/NDF : 56.8/54

-482.882 ± 455.221 χ^2/NDF : 17.1/27

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: 1538.797 ± 0.405 $\chi^2/\text{NDF}: 266817.1/9$

Right Out: 1902.551 ± 0.518 $\chi^2/\text{NDF}: 461077.0/19$

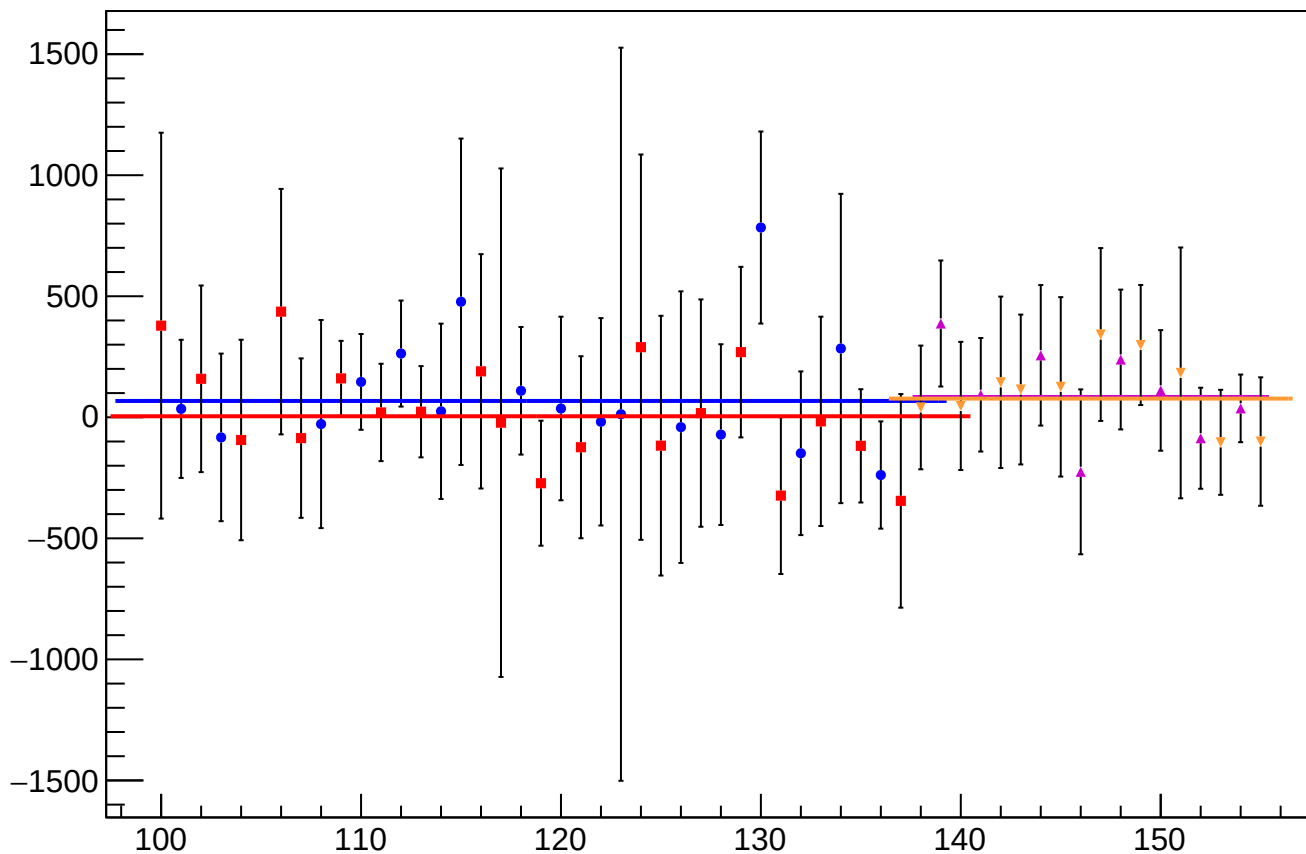
Left In: 1488.078 ± 0.411 $\chi^2/\text{NDF}: 15864.8/7$

1668.781 ± 0.322 $\chi^2/\text{NDF}: 1010195.9/26$

1658.542 ± 0.228 $\chi^2/\text{NDF}: 1882340.5/54$

1648.321 ± 0.322 $\chi^2/\text{NDF}: 870126.5/27$

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: 77.242 $\pm$ 91.829 χ^2 /NDF: 2.6/9

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

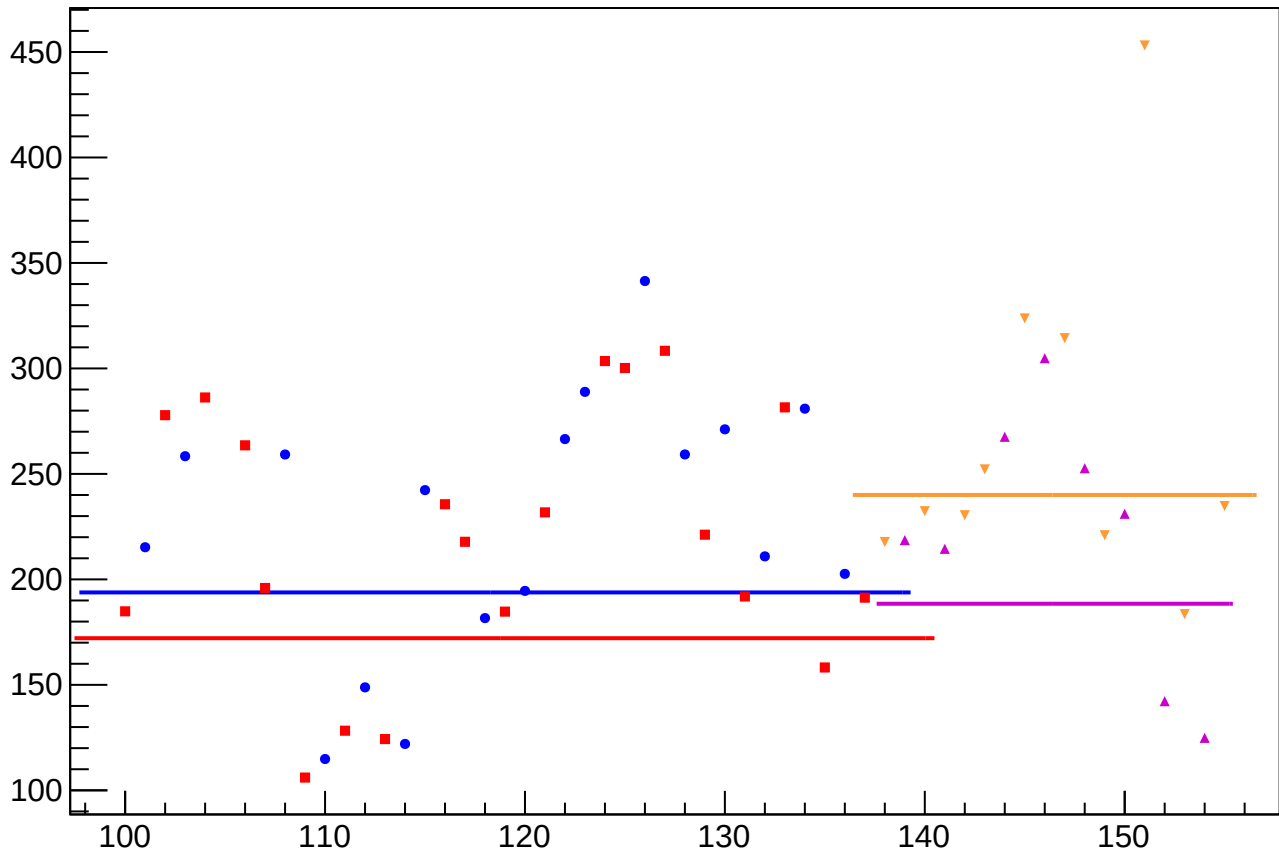
Left In: 83.862 $\pm$ 80.121 χ^2 /NDF: 3.6/7

71.704 $\pm$ 60.151 χ^2 /NDF: 10.2/26

52.997 $\pm$ 39.618 χ^2 /NDF: 20.9/54

38.663 $\pm$ 52.652 χ^2 /NDF: 10.5/27

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: 240.016 $\pm$ 0.065 χ^2 /NDF: 696912.7/9

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

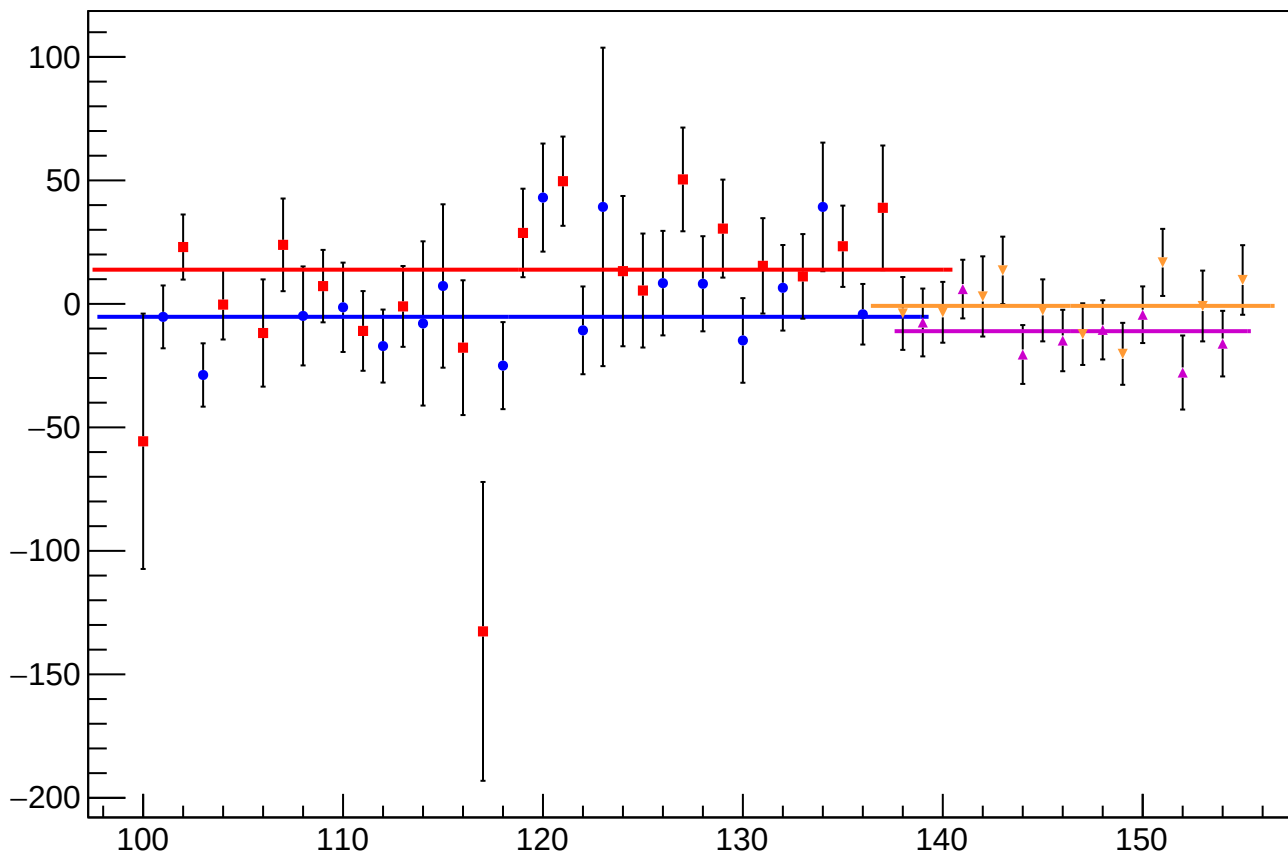
Left In: 188.454 $\pm$ 0.057 χ^2 /NDF: 1103736.8/7

213.639 $\pm$ 0.043 χ^2 /NDF: 1996278.6/26

194.126 $\pm$ 0.028 χ^2 /NDF: 5099815.9/54

179.176 $\pm$ 0.037 χ^2 /NDF: 2731823.8/27

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.231 ± 4.356 χ^2/NDF : 15.5/16

Left Out: -0.804 ± 4.272 χ^2/NDF : 6.7/9

Right Out: 13.851 ± 4.255 χ^2/NDF : 25.4/19

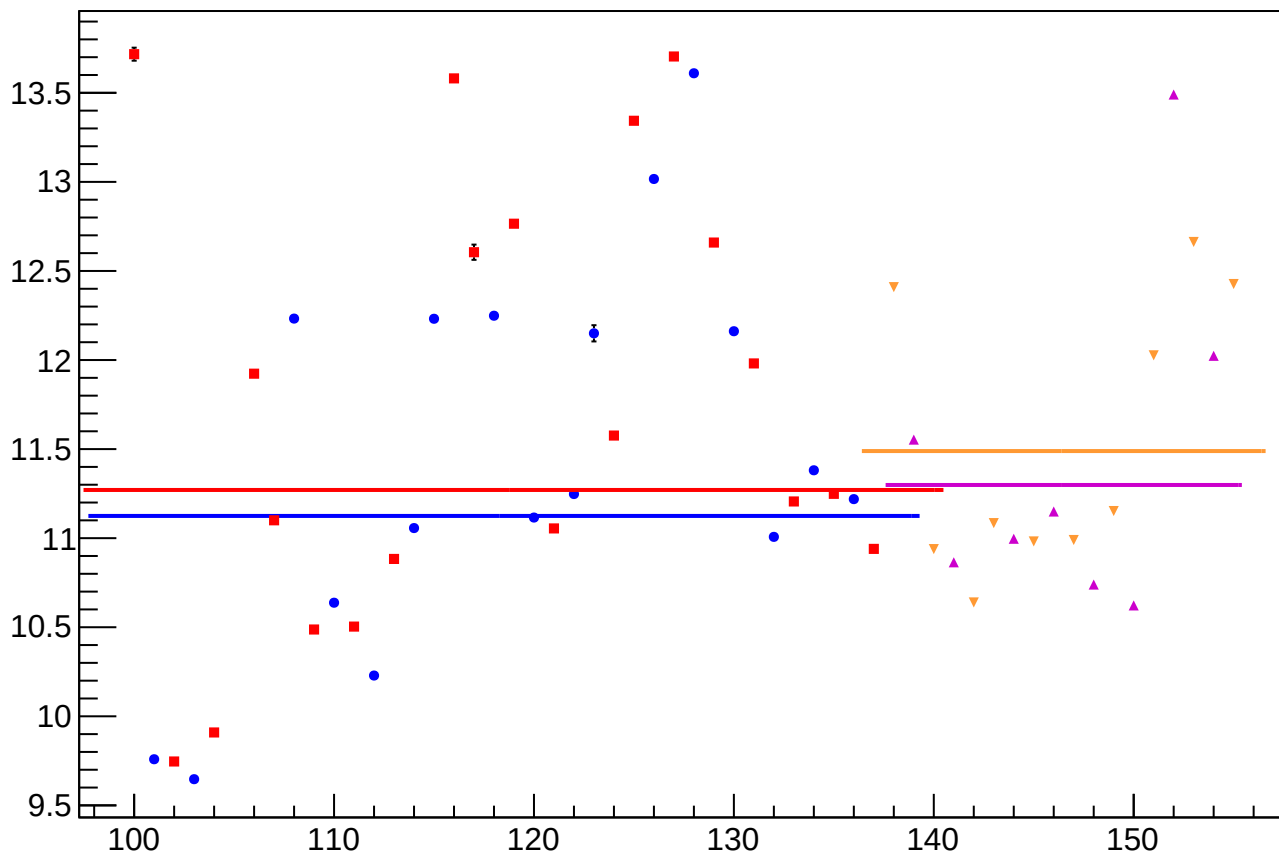
Left In: -11.047 ± 4.445 χ^2/NDF : 4.6/7

-2.974 ± 3.050 χ^2/NDF : 22.8/26

-0.533 ± 2.165 χ^2/NDF : 70.4/54

1.946 ± 3.073 χ^2/NDF : 46.4/27

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: 11.489 $\pm$ 0.003 χ^2 /NDF: 52332.9/9

Right Out: 11.271 $\pm$ 0.003 χ^2 /NDF: 148711.4/19

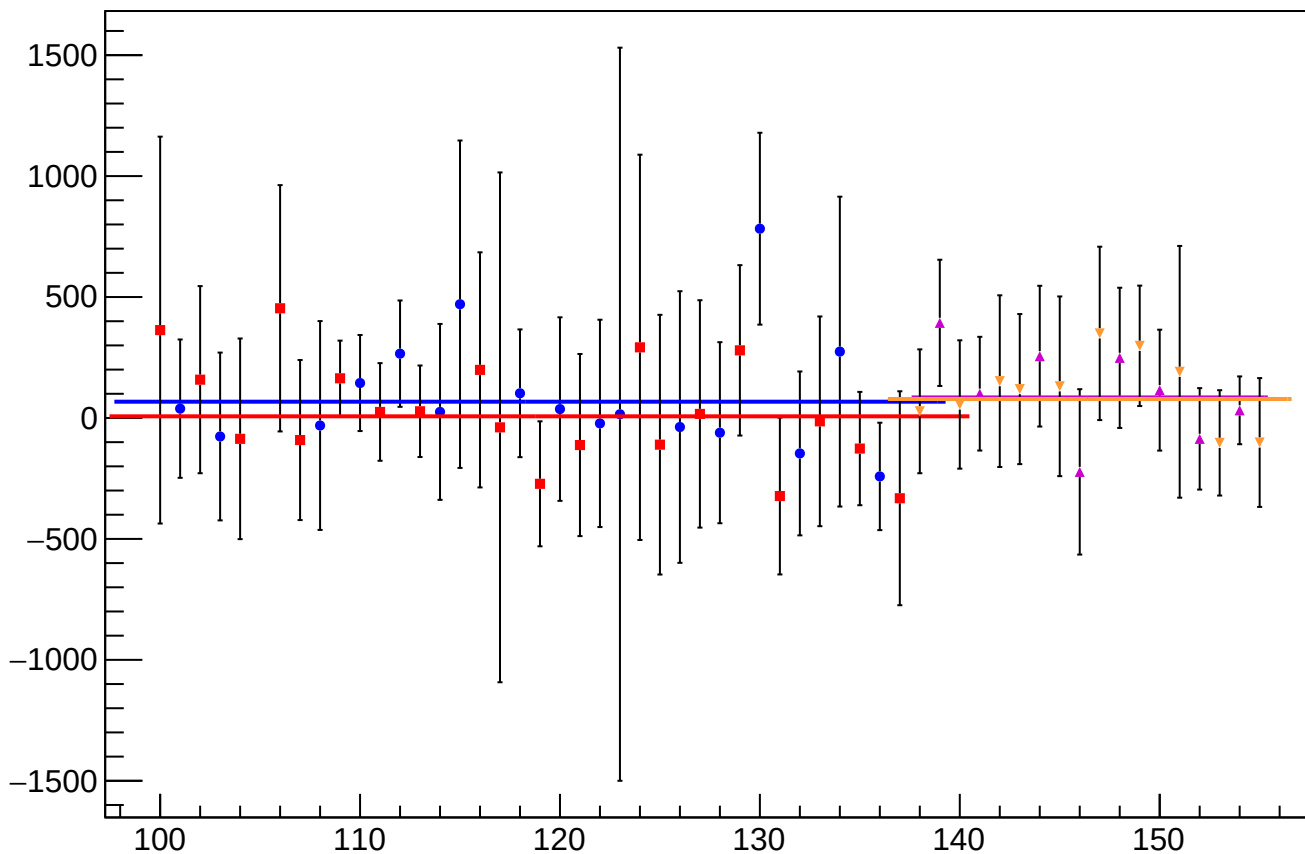
Left In: 11.299 $\pm$ 0.003 χ^2 /NDF: 64963.4/7

11.310 $\pm$ 0.002 χ^2 /NDF: 191978.0/26

11.297 $\pm$ 0.002 χ^2 /NDF: 405768.9/54

11.284 $\pm$ 0.002 χ^2 /NDF: 213716.2/27

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: 78.501+/-92.121 χ^2/NDF : 2.7/9

Right Out: 6.837+/-70.057 χ^2/NDF : 6.4/19

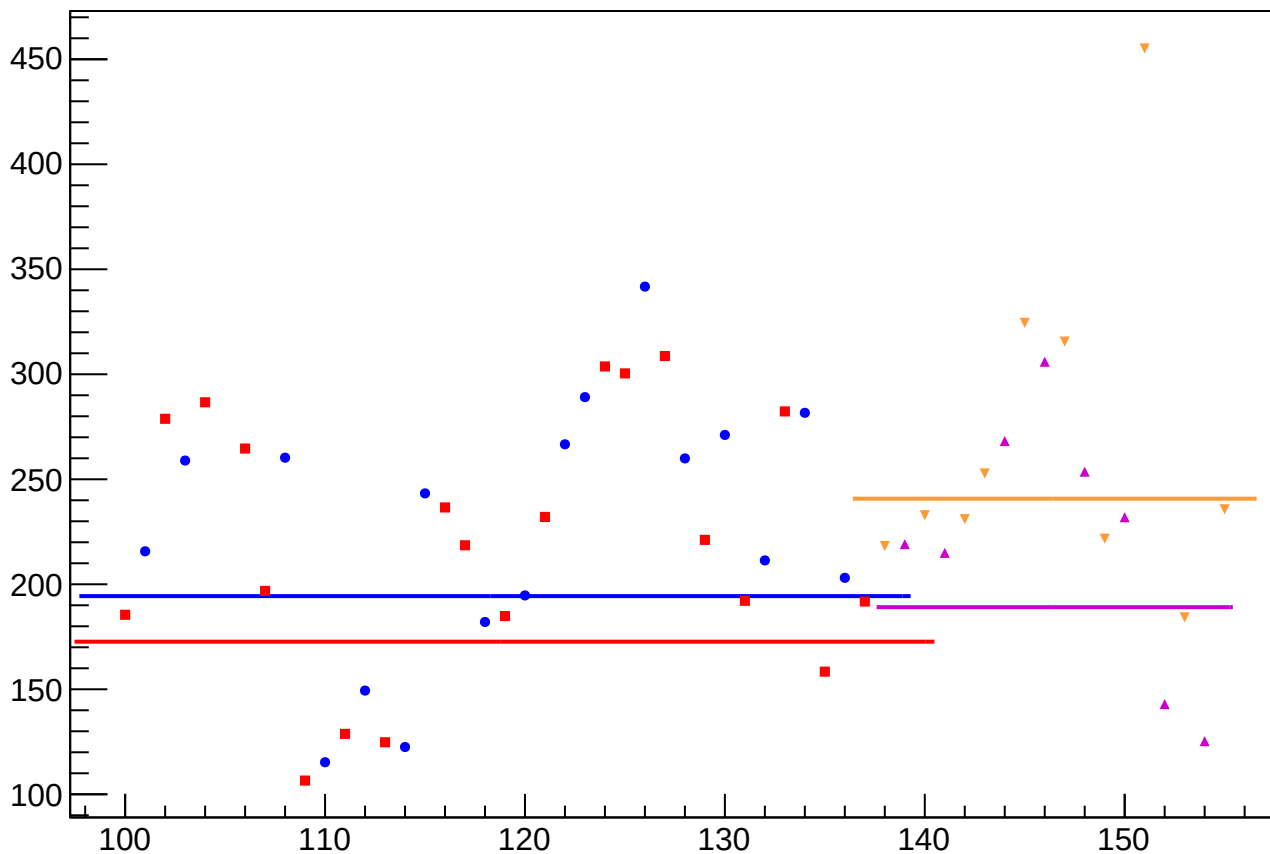
Left In: 85.026+/-80.392 χ^2/NDF : 3.7/7

72.106+/-60.324 χ^2/NDF : 10.2/26

54.263+/-39.738 χ^2/NDF : 21.0/54

40.585+/-52.816 χ^2/NDF : 10.7/27

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.365 +/- 0.056 χ^2/NDF : 1005234.4/16

Left Out: 240.776 +/- 0.065 χ^2/NDF : 697116.0/9

Right Out: 172.675 +/- 0.050 χ^2/NDF : 1573459.1/19

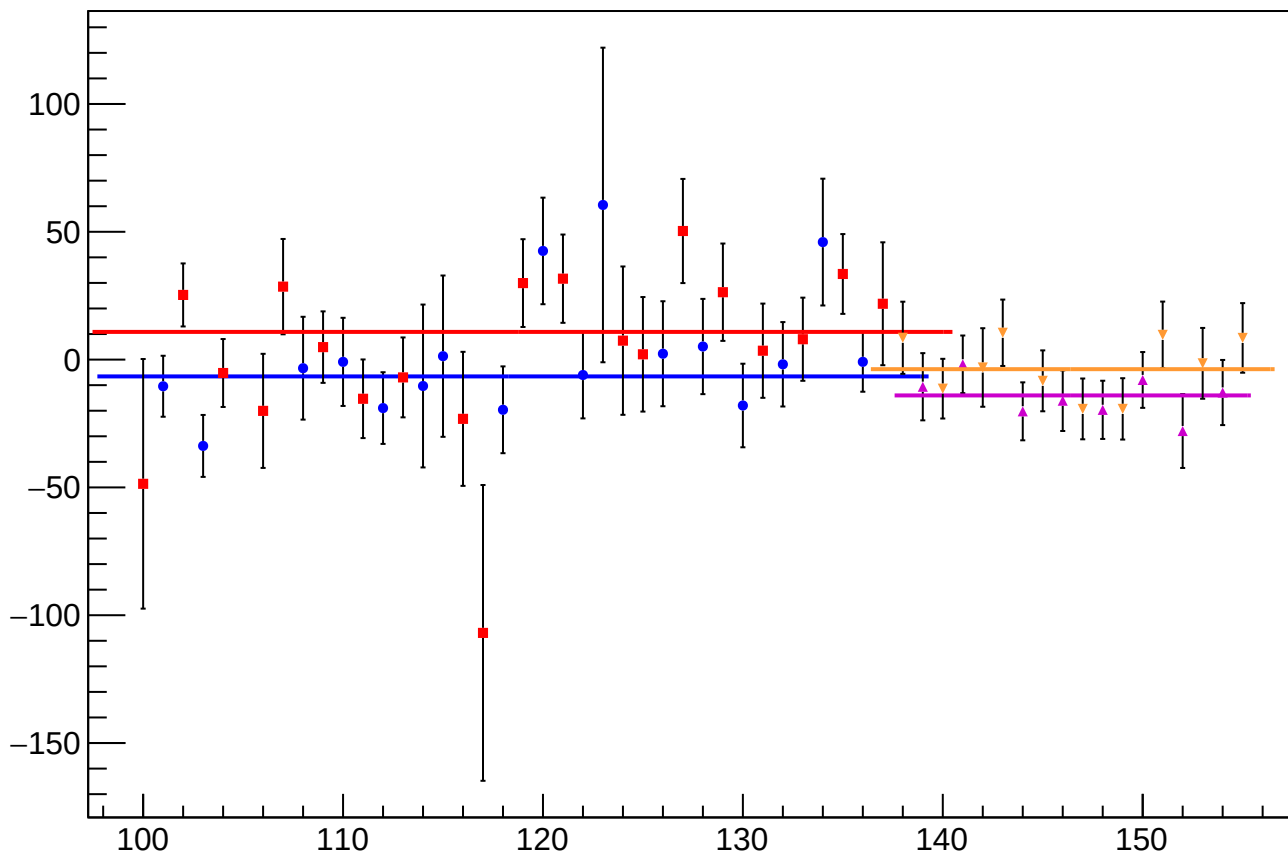
Left In: 189.106 +/- 0.057 χ^2/NDF : 1101763.2/7

214.267 +/- 0.043 χ^2/NDF : 1992312.0/26

194.738 +/- 0.028 χ^2/NDF : 5085309.4/54

179.767 +/- 0.037 χ^2/NDF : 2722708.9/27

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: -3.744 ± 4.079 $\chi^2/\text{NDF}: 7.8/9$

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

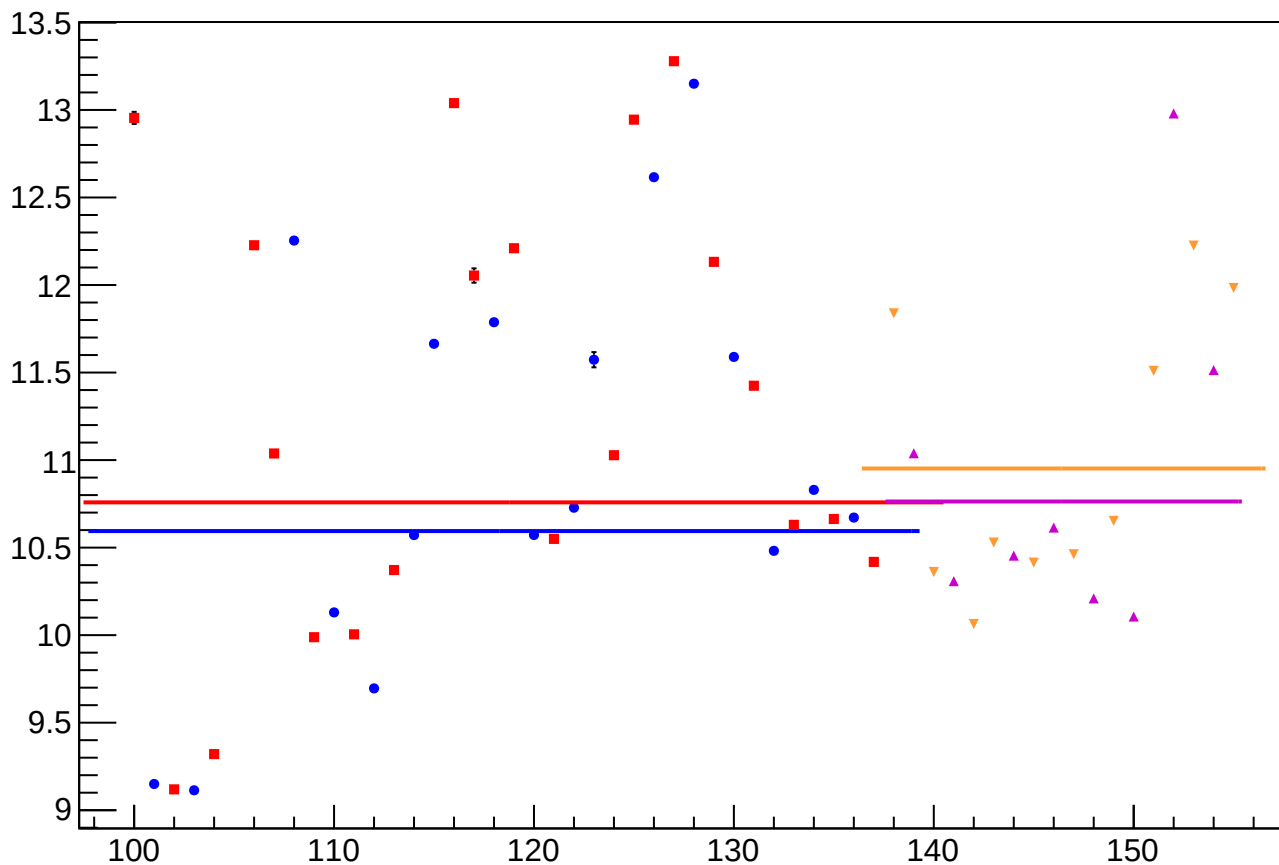
Left In: -14.014 ± 4.241 $\chi^2/\text{NDF}: 3.1/7$

-5.133 ± 2.912 $\chi^2/\text{NDF}: 27.4/26$

-3.122 ± 2.067 $\chi^2/\text{NDF}: 76.4/54$

-1.076 ± 2.936 $\chi^2/\text{NDF}: 48.1/27$

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.594 ± 0.003 $\chi^2/\text{NDF}: 160059.2/16$

Left Out: 10.952 ± 0.003 $\chi^2/\text{NDF}: 62572.0/9$

Right Out: 10.758 ± 0.003 $\chi^2/\text{NDF}: 178180.9/19$

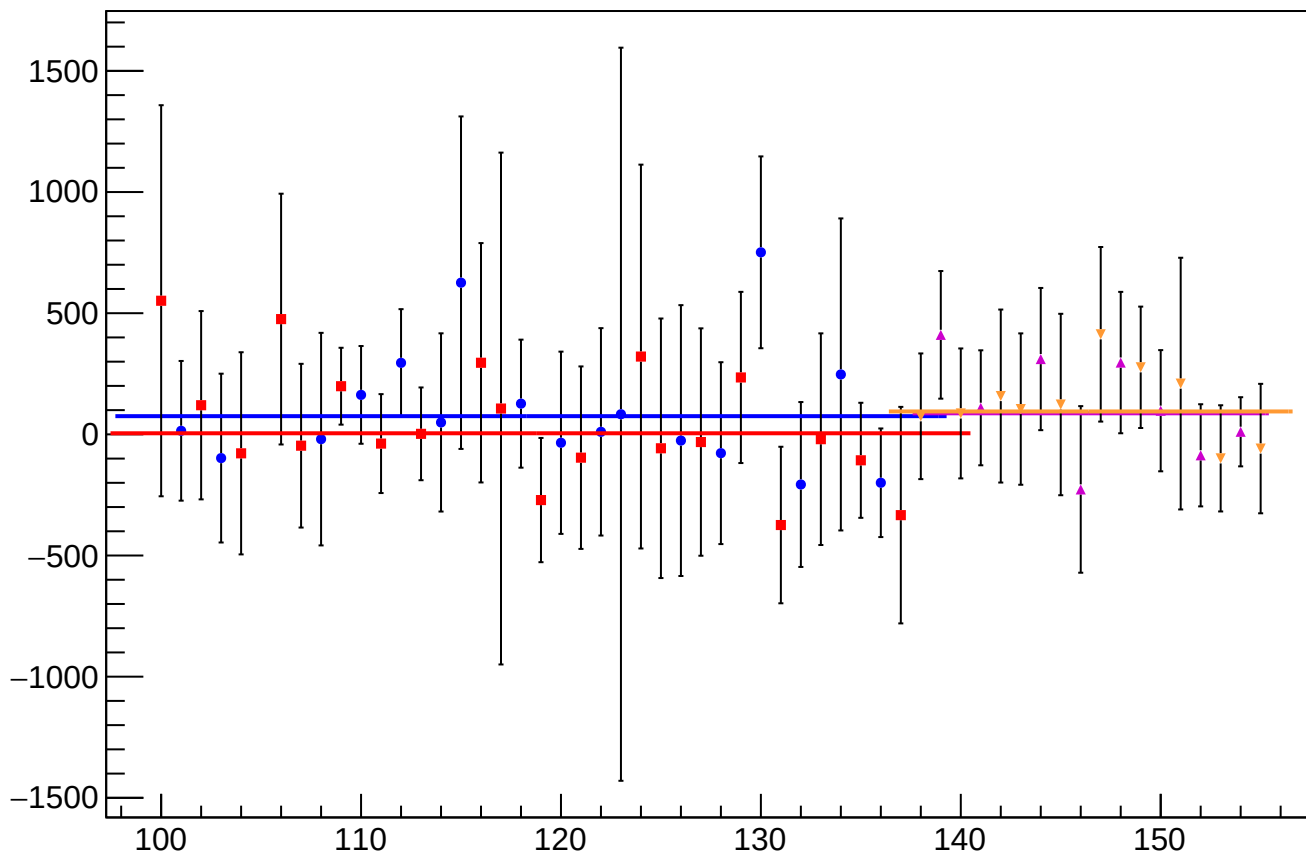
Left In: 10.763 ± 0.003 $\chi^2/\text{NDF}: 71890.9/7$

10.777 ± 0.002 $\chi^2/\text{NDF}: 230165.1/26$

10.769 ± 0.001 $\chi^2/\text{NDF}: 480267.4/54$

10.761 ± 0.002 $\chi^2/\text{NDF}: 250073.3/27$

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 75.086 ± 80.352 $\chi^2/\text{NDF}: 7.7/16$

Left Out: 94.527 ± 92.768 $\chi^2/\text{NDF}: 2.5/9$

Right Out: 4.459 ± 70.724 $\chi^2/\text{NDF}: 7.3/19$

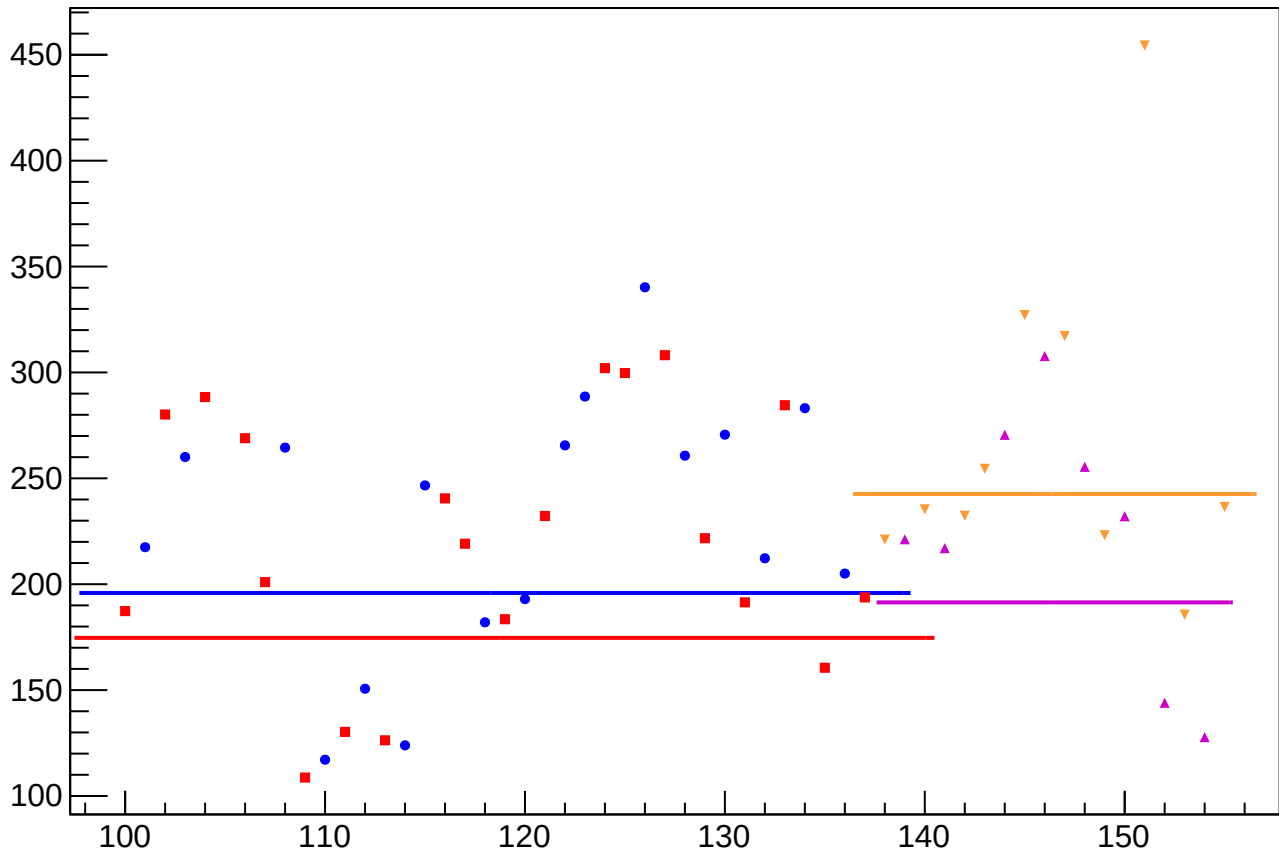
Left In: 86.856 ± 81.213 $\chi^2/\text{NDF}: 4.4/7$

83.419 ± 60.736 $\chi^2/\text{NDF}: 10.2/26$

58.902 ± 40.076 $\chi^2/\text{NDF}: 22.9/54$

39.996 ± 53.335 $\chi^2/\text{NDF}: 12.3/27$

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: 242.600 $\pm$ 0.066 χ^2/NDF : 688503.9/9

Right Out: 174.665 $\pm$ 0.050 χ^2/NDF : 1532335.9/19

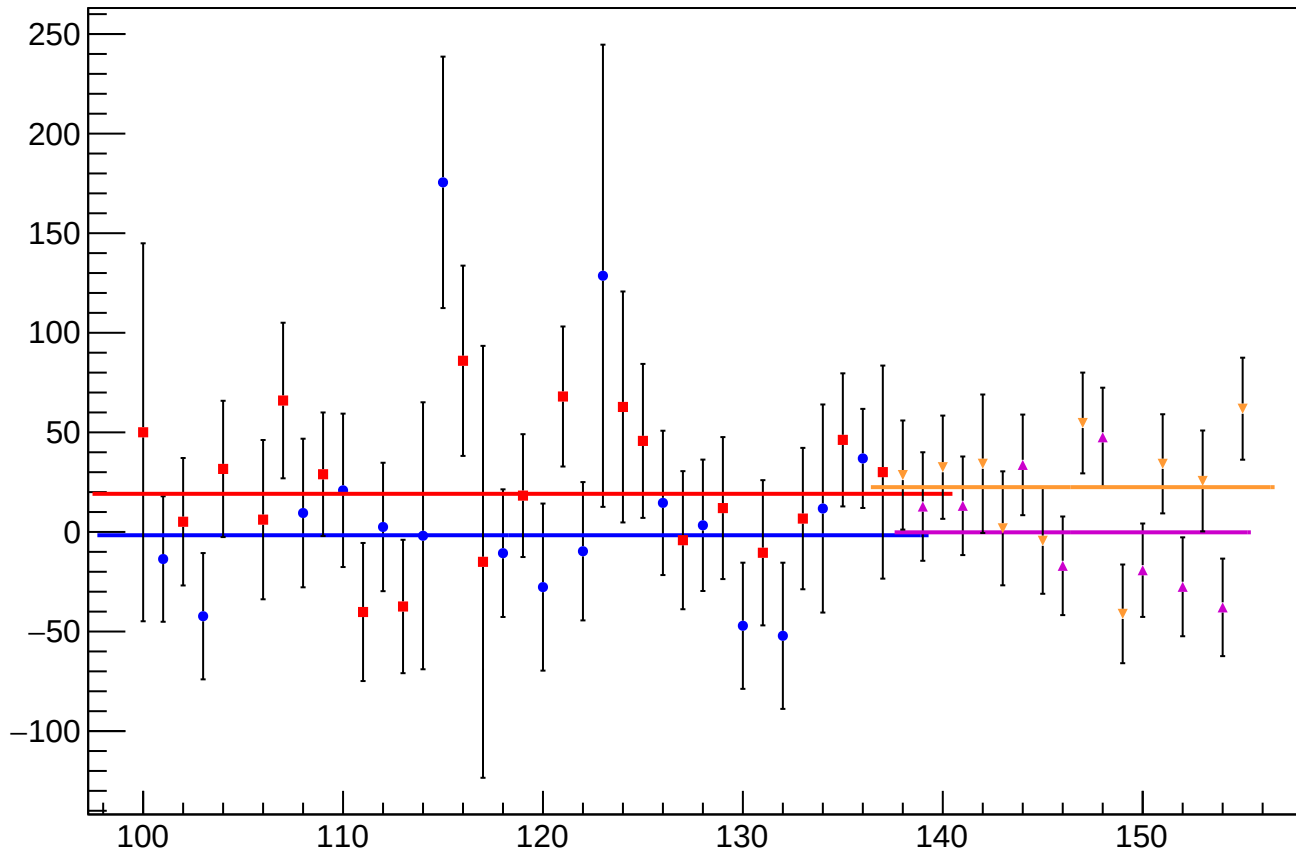
Left In: 191.407 $\pm$ 0.057 χ^2/NDF : 1071564.7/7

215.900 $\pm$ 0.043 χ^2/NDF : 1957723.4/26

196.695 $\pm$ 0.028 χ^2/NDF : 4964118.8/54

181.886 $\pm$ 0.038 χ^2/NDF : 2652235.7/27

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: 22.491 ± 8.401 χ^2/NDF : 12.7/9

Right Out: 19.145 ± 8.529 χ^2/NDF : 14.9/19

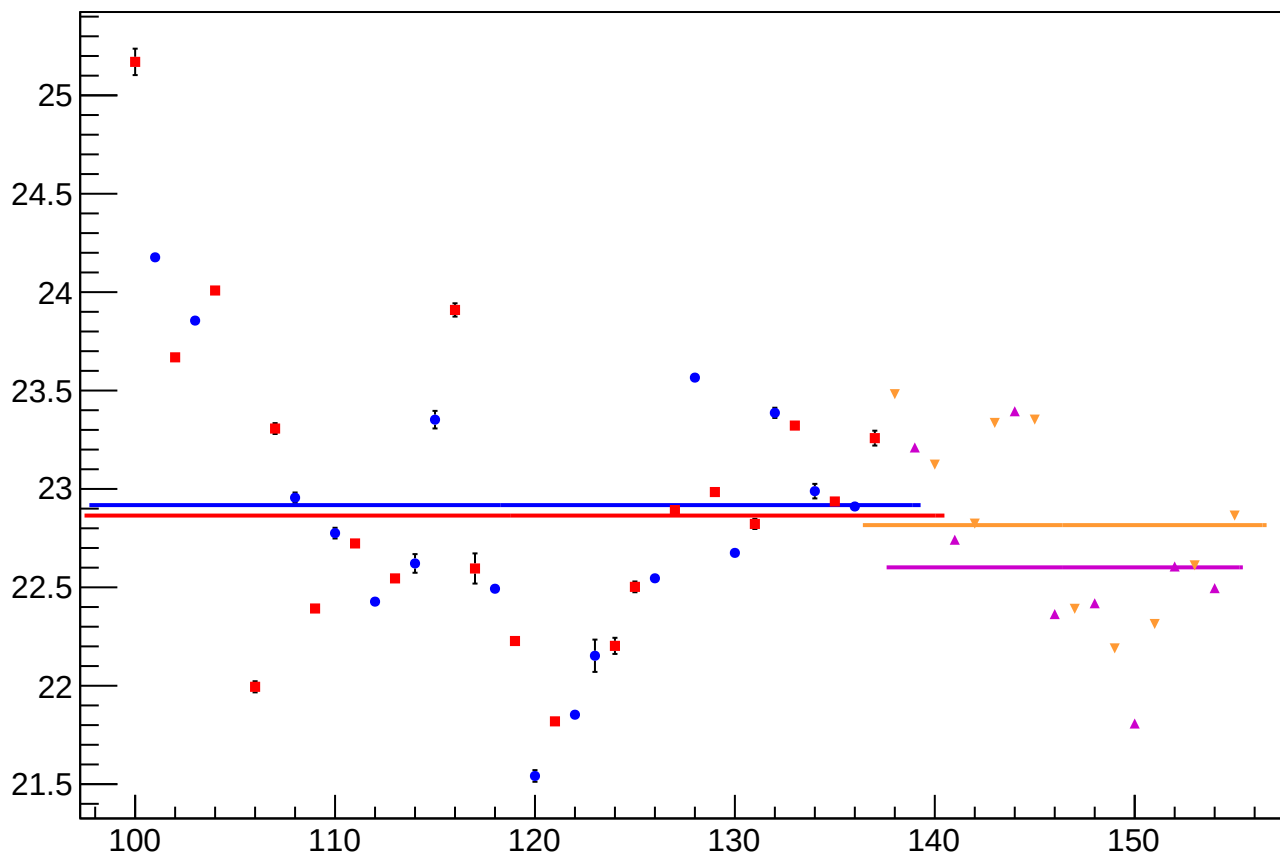
Left In: -0.189 ± 8.805 χ^2/NDF : 10.7/7

11.088 ± 6.103 χ^2/NDF : 35.1/26

10.439 ± 4.324 χ^2/NDF : 63.2/54

9.785 ± 6.126 χ^2/NDF : 28.0/27

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.918 $\pm$ 0.006 χ^2 /NDF: 11472.2/16

Left Out: 22.816 $\pm$ 0.006 χ^2 /NDF: 5726.2/9

Right Out: 22.865 $\pm$ 0.006 χ^2 /NDF: 11064.9/19

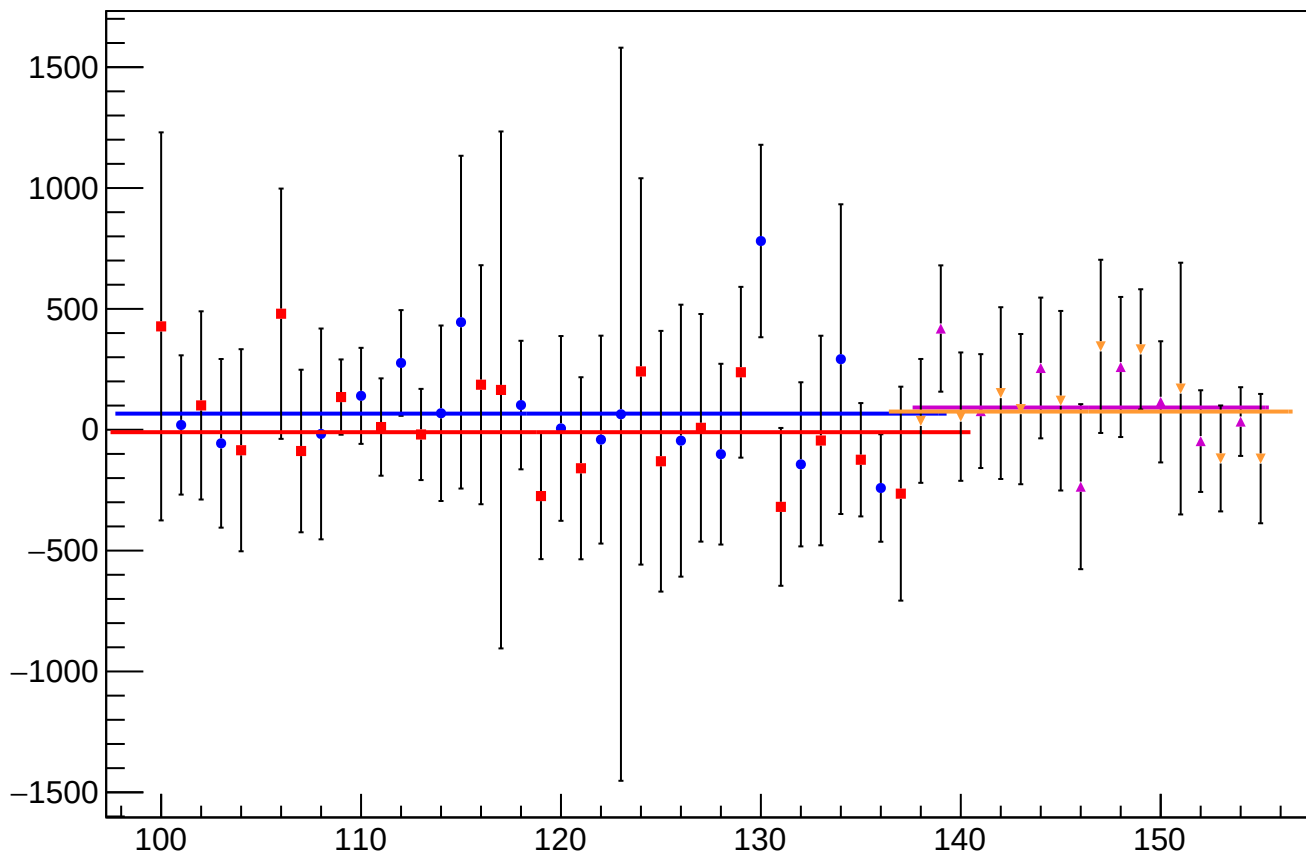
Left In: 22.602 $\pm$ 0.006 χ^2 /NDF: 5654.3/7

22.864 $\pm$ 0.004 χ^2 /NDF: 17336.7/26

22.801 $\pm$ 0.003 χ^2 /NDF: 35408.4/54

22.737 $\pm$ 0.004 χ^2 /NDF: 17641.0/27

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 66.701+/-79.995 χ^2/NDF : 7.5/16

Left Out: 75.218+/-92.304 χ^2/NDF : 3.1/9

Right Out: -10.113+/-70.234 χ^2/NDF : 5.7/19

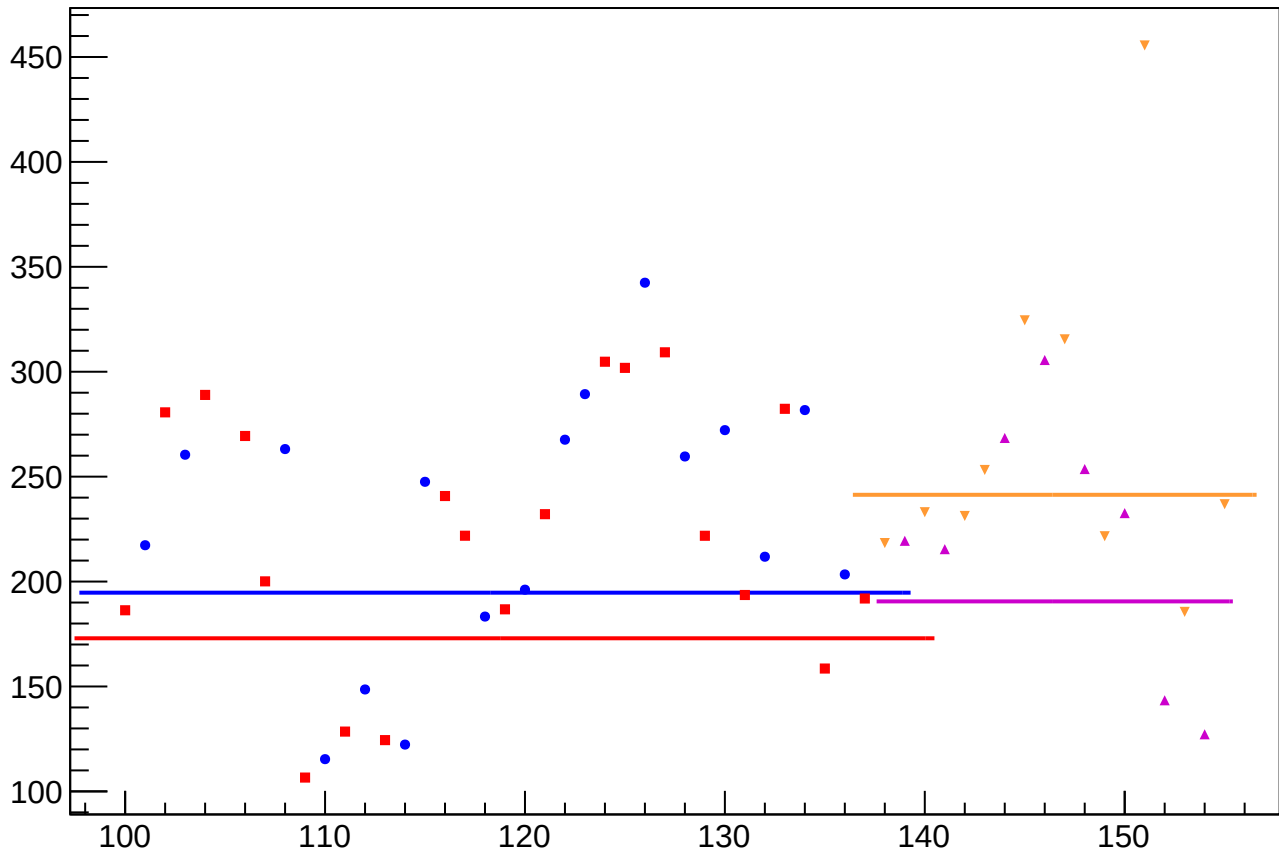
Left In: 91.934+/-80.857 χ^2/NDF : 3.8/7

70.354+/-60.452 χ^2/NDF : 10.6/26

49.678+/-39.863 χ^2/NDF : 21.2/54

33.771+/-53.024 χ^2/NDF : 10.4/27

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.703+/-0.057 χ^2/NDF : 1019872.4/16

Left Out: 241.349+/-0.065 χ^2/NDF : 689435.5/9

Right Out: 172.965+/-0.050 χ^2/NDF : 1601142.0/19

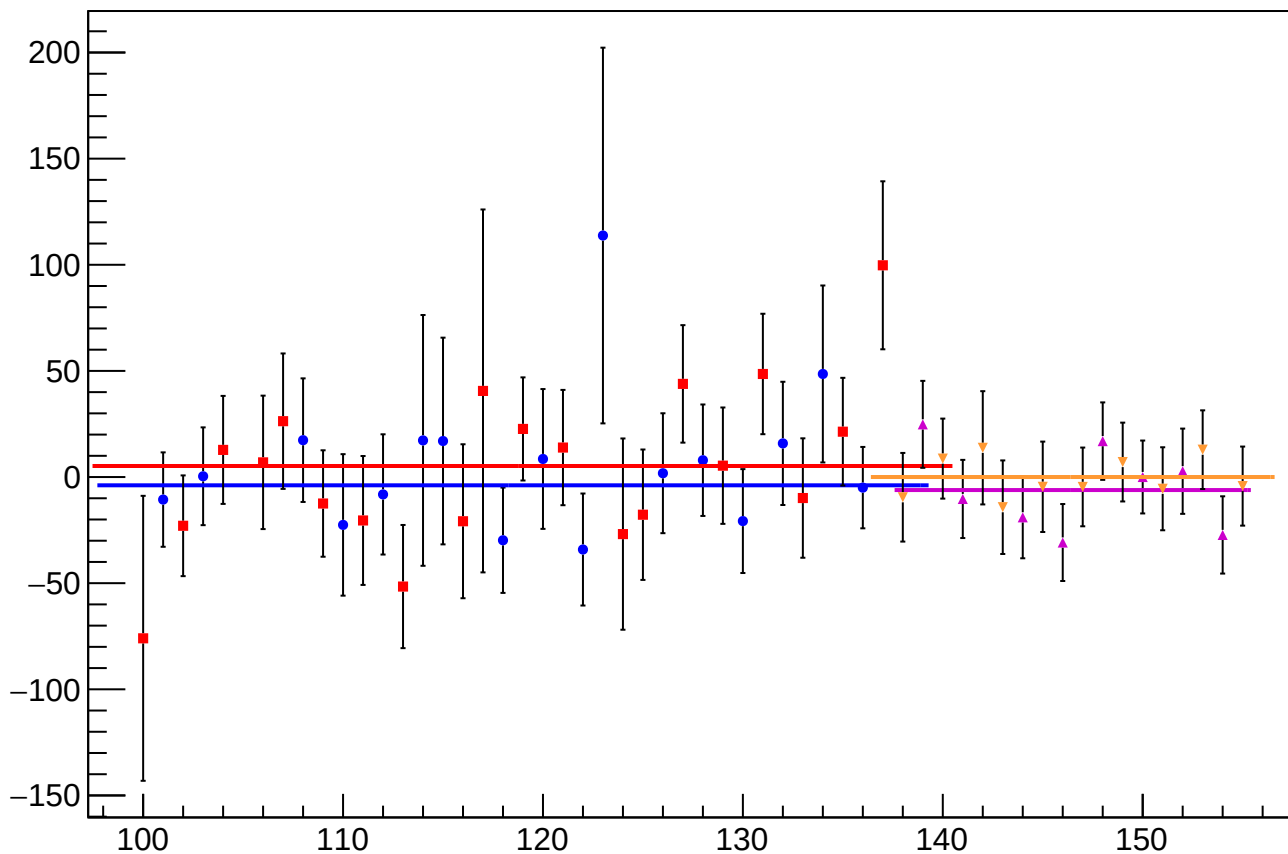
Left In: 190.547+/-0.057 χ^2/NDF : 1065469.9/7

214.710+/-0.043 χ^2/NDF : 2000992.8/26

195.390+/-0.028 χ^2/NDF : 5082952.4/54

180.526+/-0.037 χ^2/NDF : 2720511.7/27

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: 0.013 ± 6.325 χ^2/NDF : 2.0/9

Right Out: 5.204 ± 6.706 χ^2/NDF : 21.5/19

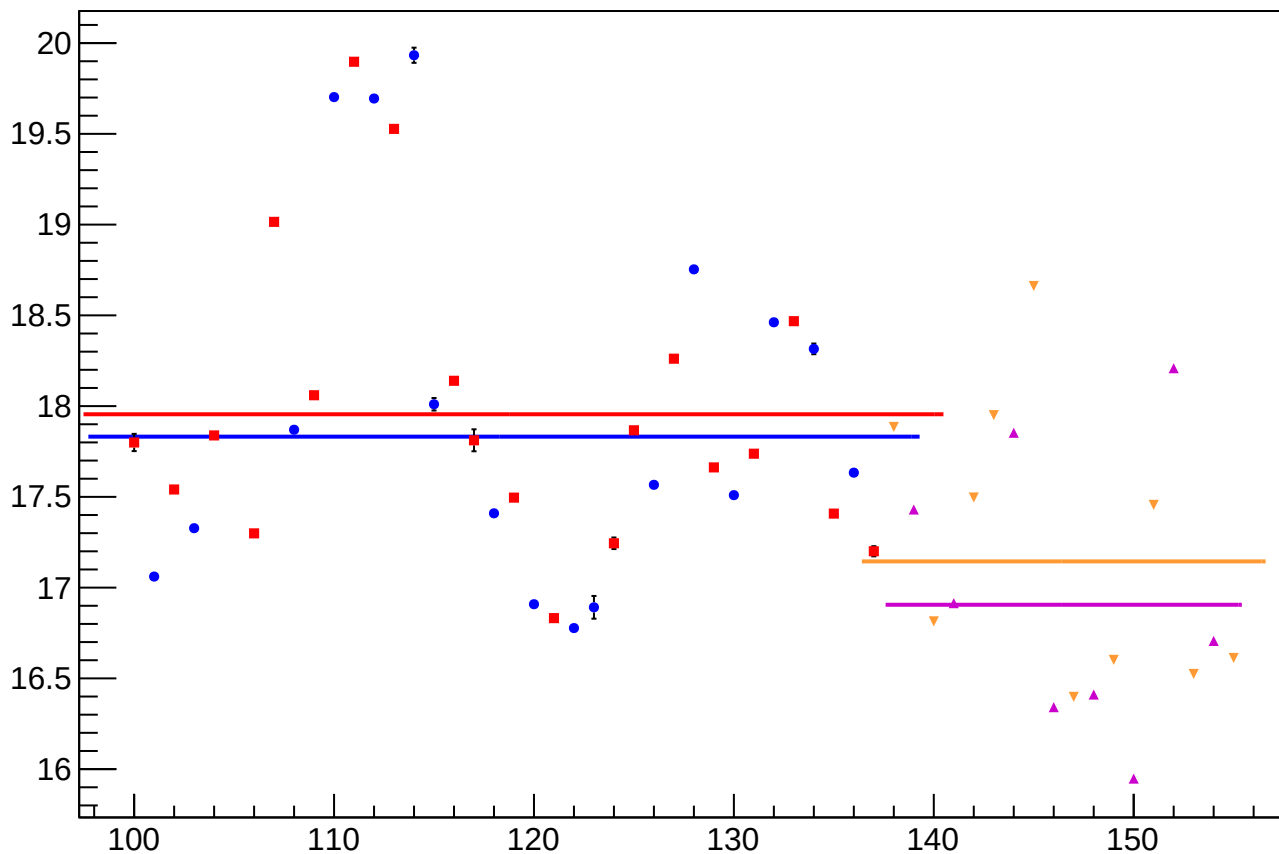
Left In: -6.130 ± 6.600 χ^2/NDF : 7.9/7

-1.767 ± 4.667 χ^2/NDF : 10.5/26

-1.165 ± 3.313 χ^2/NDF : 41.4/54

-0.553 ± 4.704 χ^2/NDF : 30.9/27

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: 17.144 $\pm$ 0.004 χ^2/NDF : 25636.9/9

Right Out: 17.955 $\pm$ 0.005 χ^2/NDF : 25454.6/19

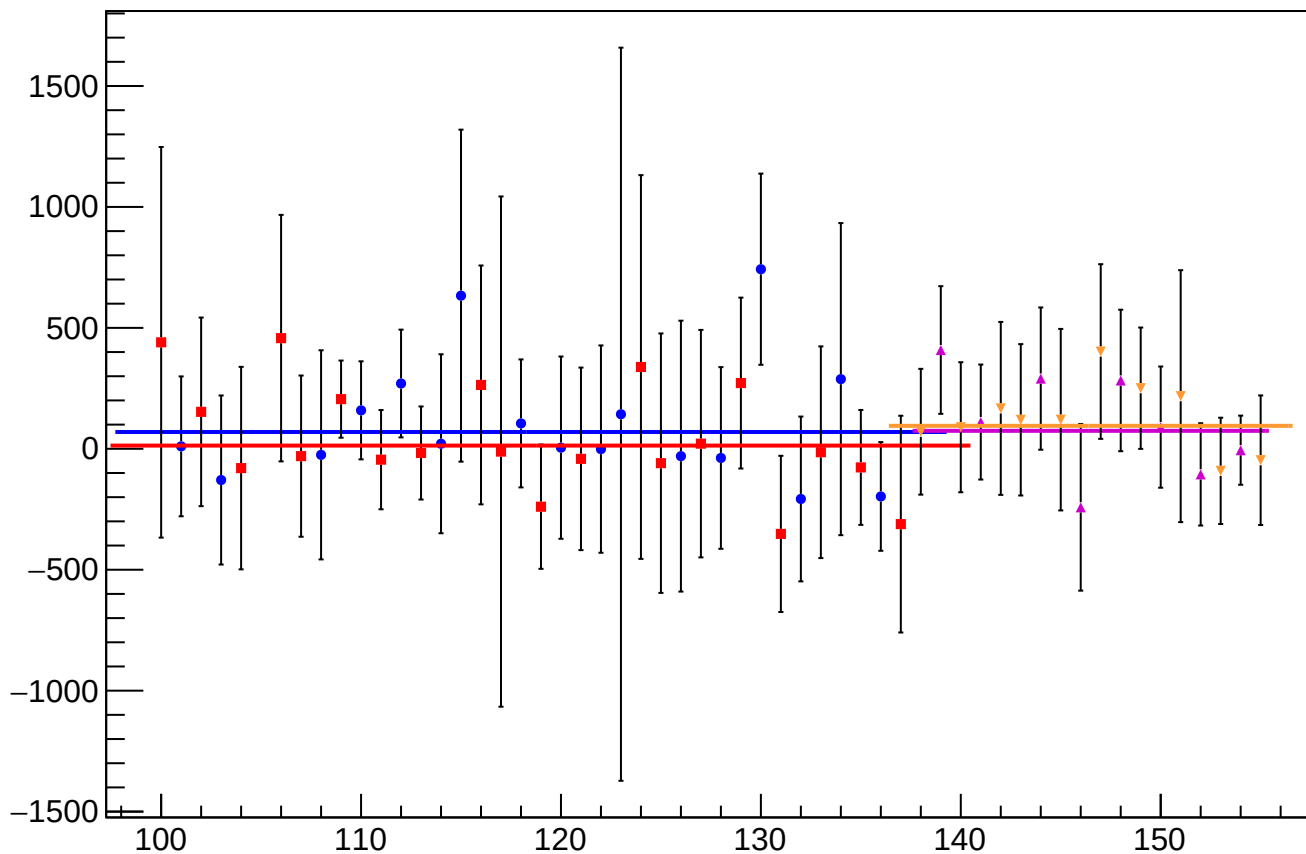
Left In: 16.906 $\pm$ 0.005 χ^2/NDF : 24430.1/7

17.458 $\pm$ 0.003 χ^2/NDF : 67256.9/26

17.440 $\pm$ 0.002 χ^2/NDF : 142079.8/54

17.422 $\pm$ 0.003 χ^2/NDF : 74765.4/27

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: 94.968 $\pm$ 92.982 χ^2 /NDF: 2.2/9

Right Out: 13.298 $\pm$ 70.881 χ^2 /NDF: 6.7/19

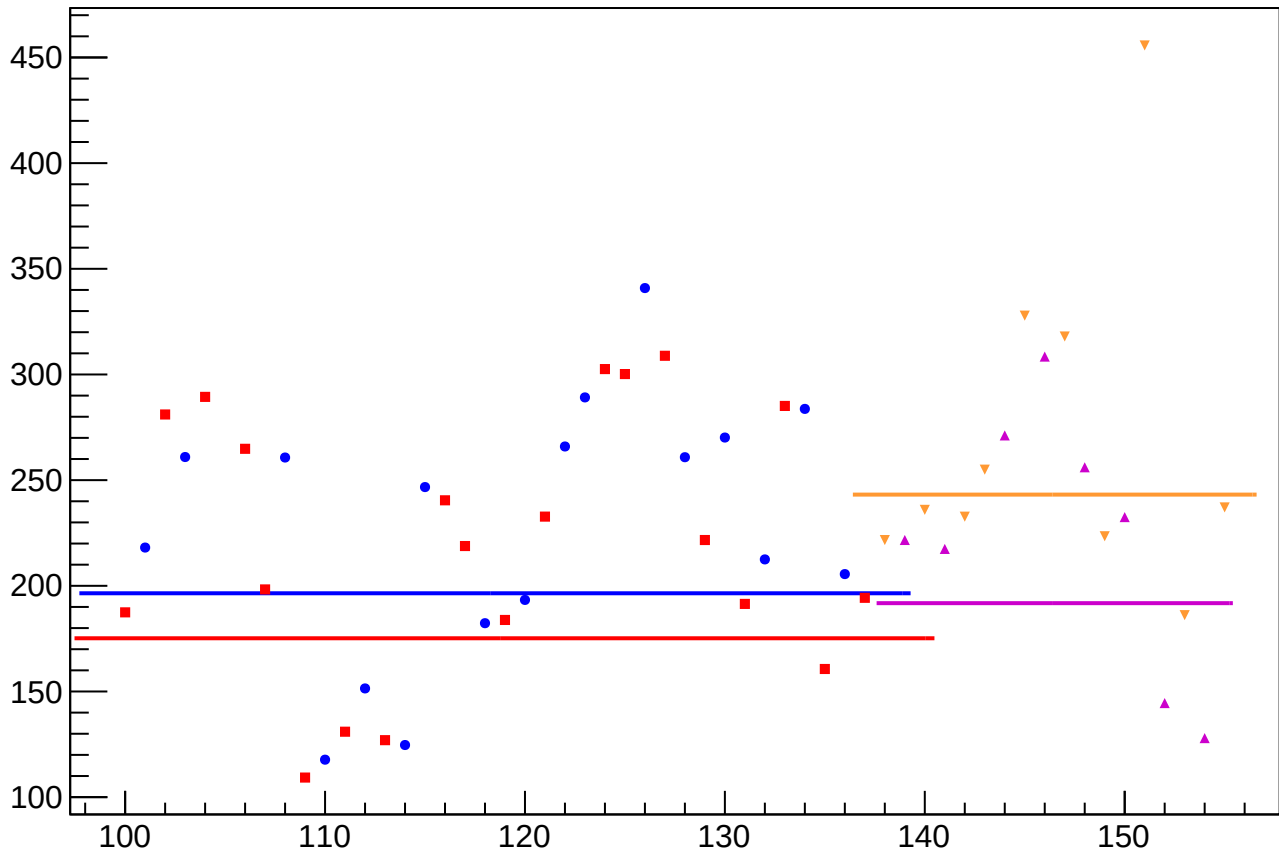
Left In: 74.323 $\pm$ 81.382 χ^2 /NDF: 4.6/7

80.425 $\pm$ 60.882 χ^2 /NDF: 9.6/26

57.382 $\pm$ 40.167 χ^2 /NDF: 21.5/54

39.621 $\pm$ 53.450 χ^2 /NDF: 11.6/27

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: 243.159 $\pm$ 0.066 χ^2 /NDF: 688551.3/9

Right Out: 175.179 $\pm$ 0.050 χ^2 /NDF: 1514541.6/19

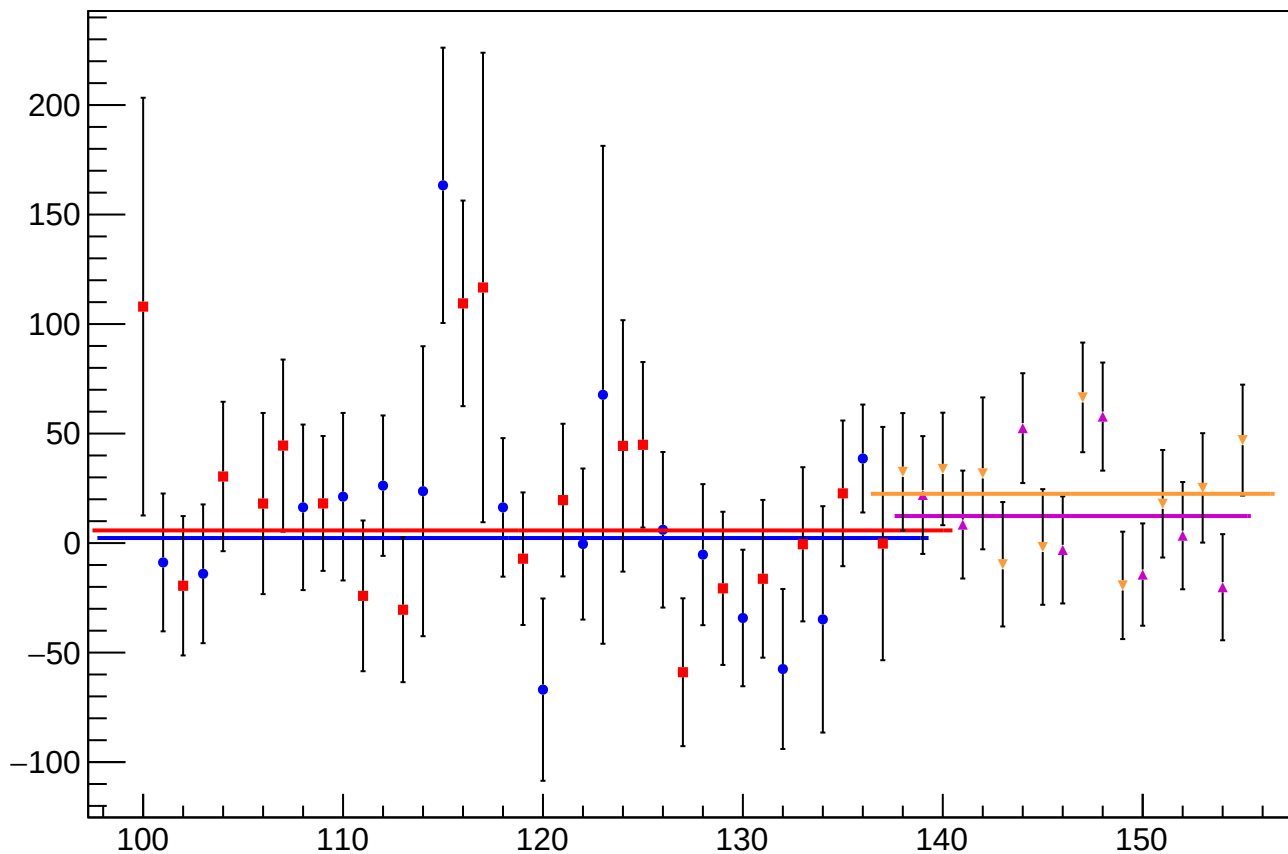
Left In: 191.792 $\pm$ 0.058 χ^2 /NDF: 1072780.0/7

216.487 $\pm$ 0.043 χ^2 /NDF: 1940903.0/26

197.206 $\pm$ 0.028 χ^2 /NDF: 4930809.1/54

182.345 $\pm$ 0.038 χ^2 /NDF: 2634714.9/27

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: 22.493 ± 8.306 $\chi^2/\text{NDF}: 9.5/9$

Right Out: 5.783 ± 8.453 $\chi^2/\text{NDF}: 18.2/19$

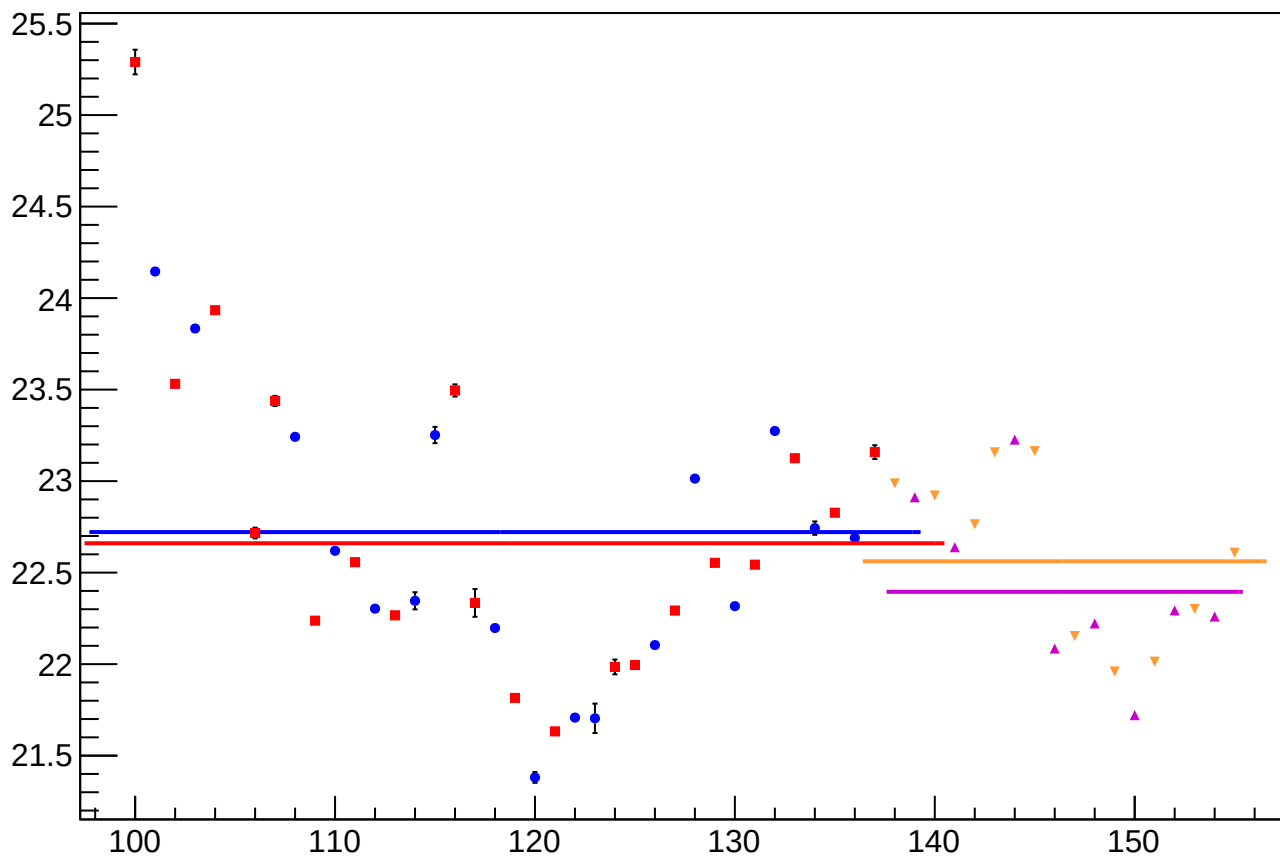
Left In: 12.347 ± 8.723 $\chi^2/\text{NDF}: 9.7/7$

12.988 ± 6.042 $\chi^2/\text{NDF}: 30.4/26$

10.984 ± 4.282 $\chi^2/\text{NDF}: 58.9/54$

8.961 ± 6.070 $\chi^2/\text{NDF}: 28.3/27$

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: 22.562+/-0.006 χ^2/NDF : 5844.1/9

Right Out: 22.660+/-0.006 χ^2/NDF : 12974.2/19

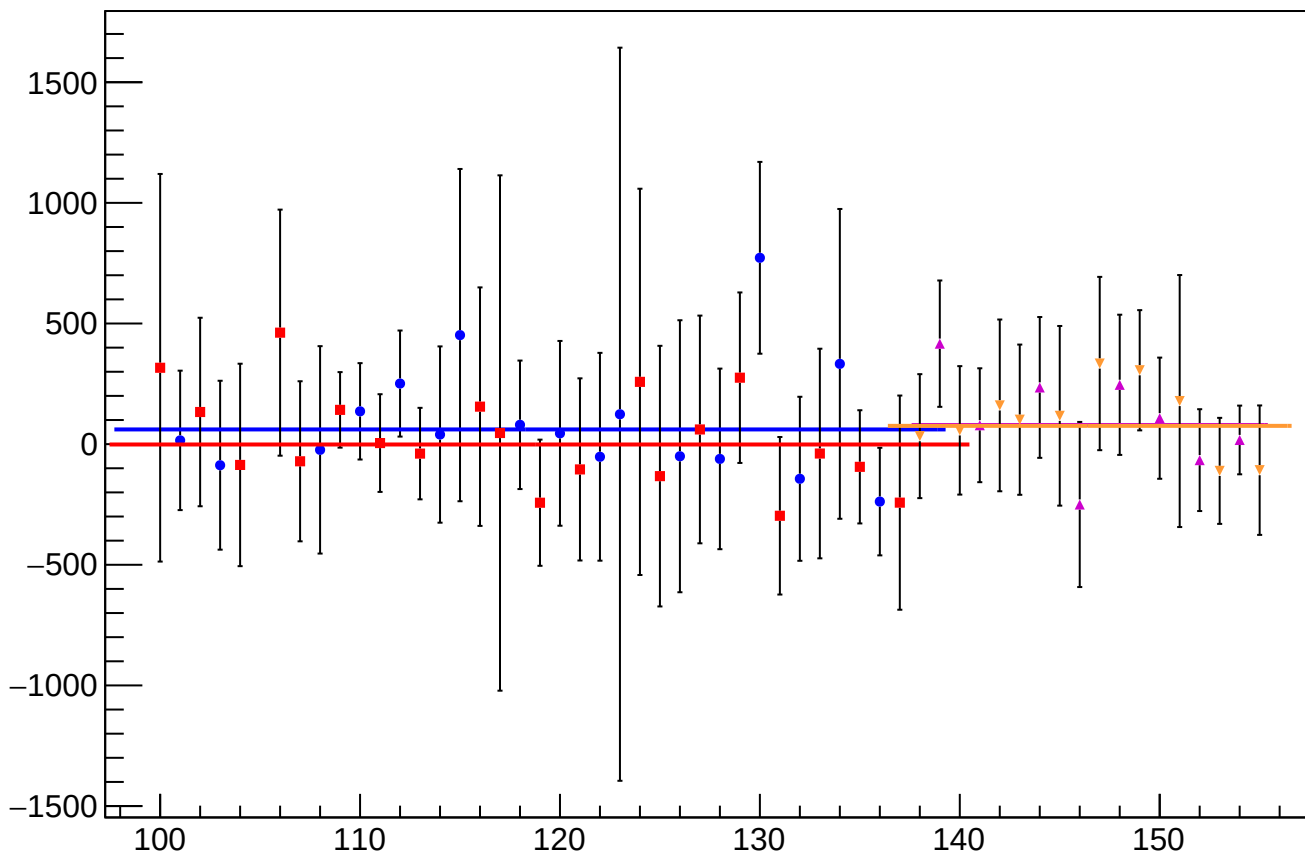
Left In: 22.395+/-0.006 χ^2/NDF : 5314.1/7

22.637+/-0.004 χ^2/NDF : 19773.2/26

22.585+/-0.003 χ^2/NDF : 39315.4/54

22.532+/-0.004 χ^2/NDF : 19241.6/27

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: 75.781 $\pm$ 92.517 χ^2 /NDF: 2.7/9

Right Out: -1.439 $\pm$ 70.395 χ^2 /NDF: 5.2/19

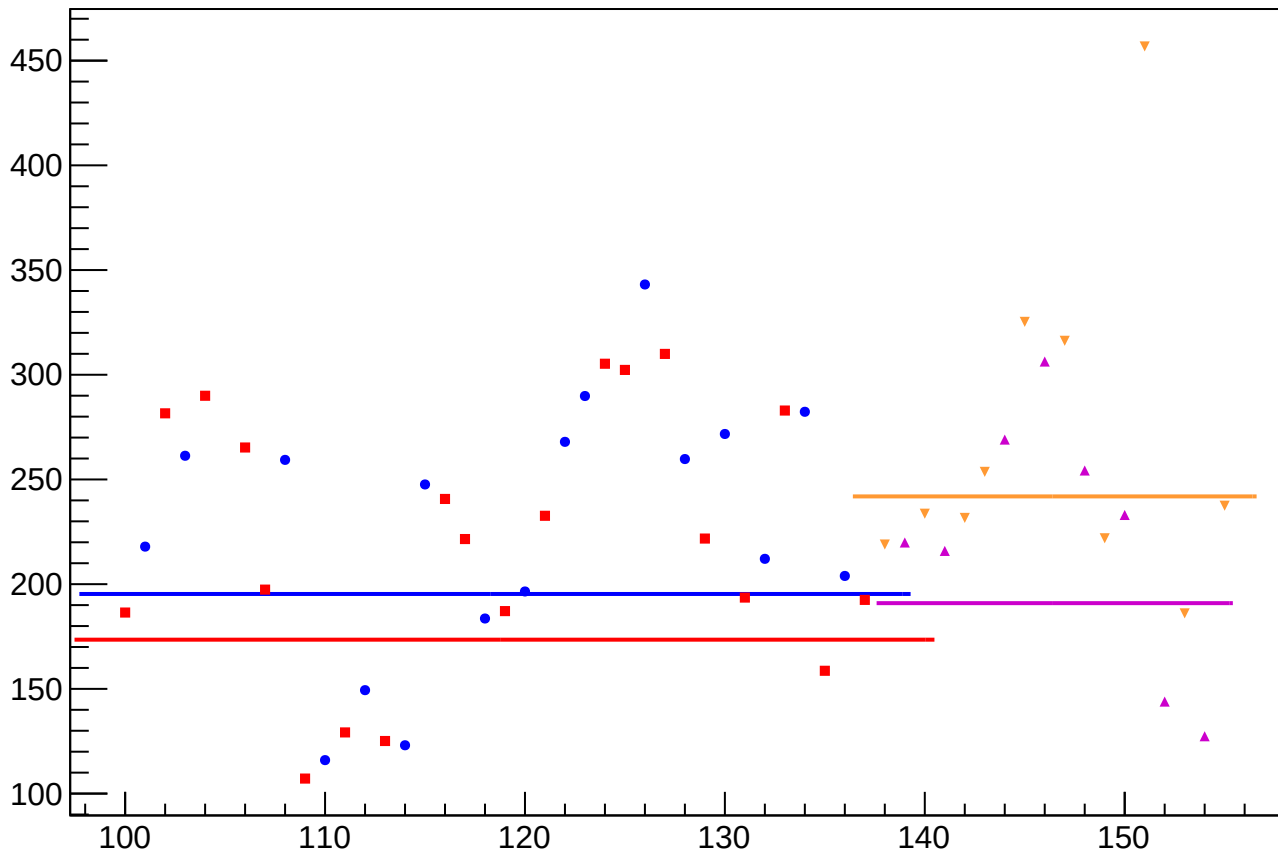
Left In: 79.381 $\pm$ 81.027 χ^2 /NDF: 3.9/7

67.319 $\pm$ 60.599 χ^2 /NDF: 9.9/26

48.102 $\pm$ 39.954 χ^2 /NDF: 19.7/54

33.324 $\pm$ 53.141 χ^2 /NDF: 9.6/27

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.316 $\pm$ 0.057 χ^2/NDF : 1004211.5/16

Left Out: 241.906 $\pm$ 0.065 χ^2/NDF : 689528.6/9

Right Out: 173.495 $\pm$ 0.050 χ^2/NDF : 1582449.6/19

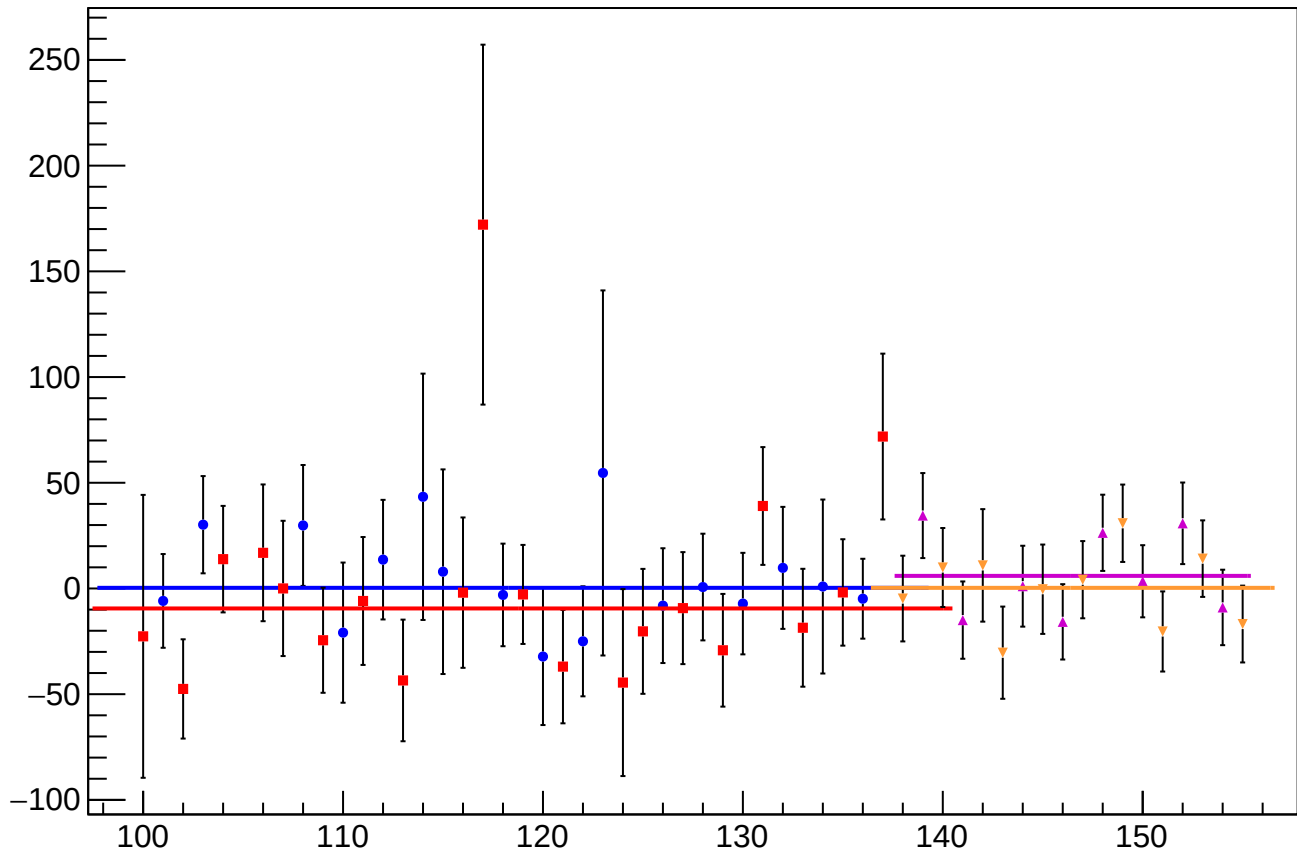
Left In: 190.935 $\pm$ 0.057 χ^2/NDF : 1066692.2/7

215.304 $\pm$ 0.043 χ^2/NDF : 1983331.3/26

195.910 $\pm$ 0.028 χ^2/NDF : 5047644.6/54

180.996 $\pm$ 0.038 χ^2/NDF : 2701943.8/27

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.305 $\pm$ 6.812 χ^2/NDF : 6.8/16

Left Out: 0.296 $\pm$ 6.213 χ^2/NDF : 8.0/9

Right Out: -9.452 $\pm$ 6.608 χ^2/NDF : 20.6/19

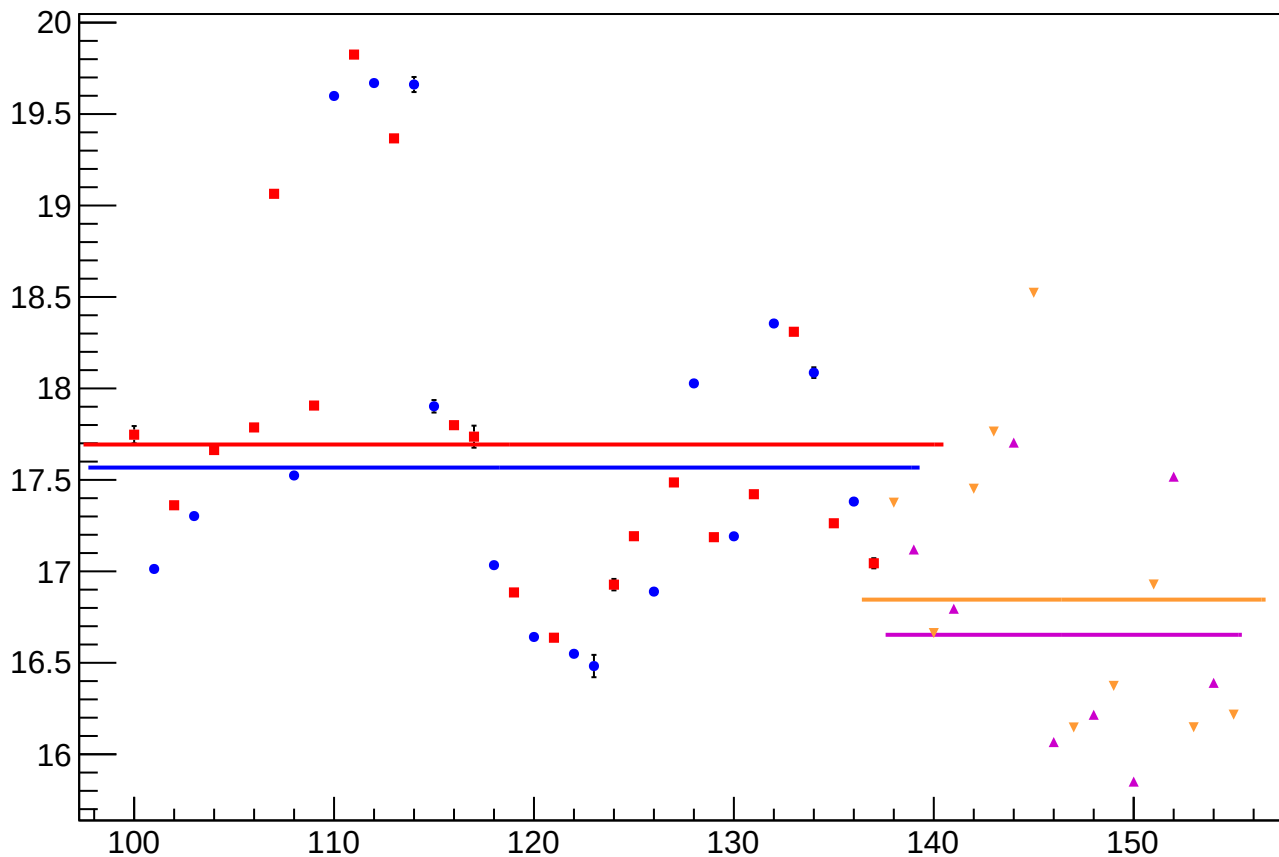
Left In: 5.959 $\pm$ 6.498 χ^2/NDF : 8.5/7

0.300 $\pm$ 4.591 χ^2/NDF : 14.7/26

-0.650 $\pm$ 3.261 χ^2/NDF : 46.7/54

-1.617 $\pm$ 4.633 χ^2/NDF : 31.9/27

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: 16.845 $\pm$ 0.004 χ^2/NDF : 28413.3/9

Right Out: 17.693 $\pm$ 0.005 χ^2/NDF : 30767.6/19

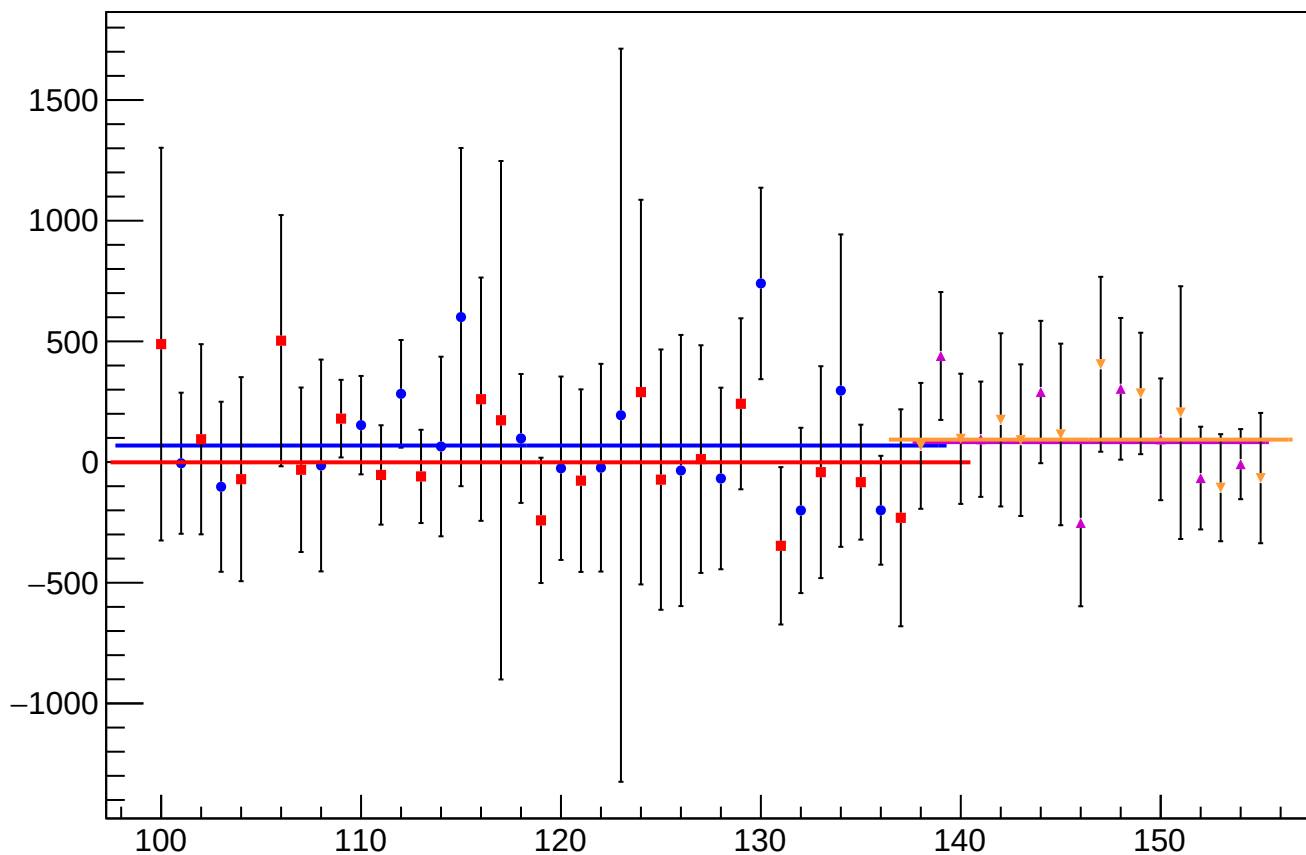
Left In: 16.653 $\pm$ 0.005 χ^2/NDF : 19445.4/7

17.173 $\pm$ 0.003 χ^2/NDF : 73819.9/26

17.169 $\pm$ 0.002 χ^2/NDF : 149237.8/54

17.165 $\pm$ 0.003 χ^2/NDF : 75414.3/27

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: 93.020 $\pm$ 93.439 χ^2 /NDF: 2.6/9

Right Out: -1.057 $\pm$ 71.380 χ^2 /NDF: 6.1/19

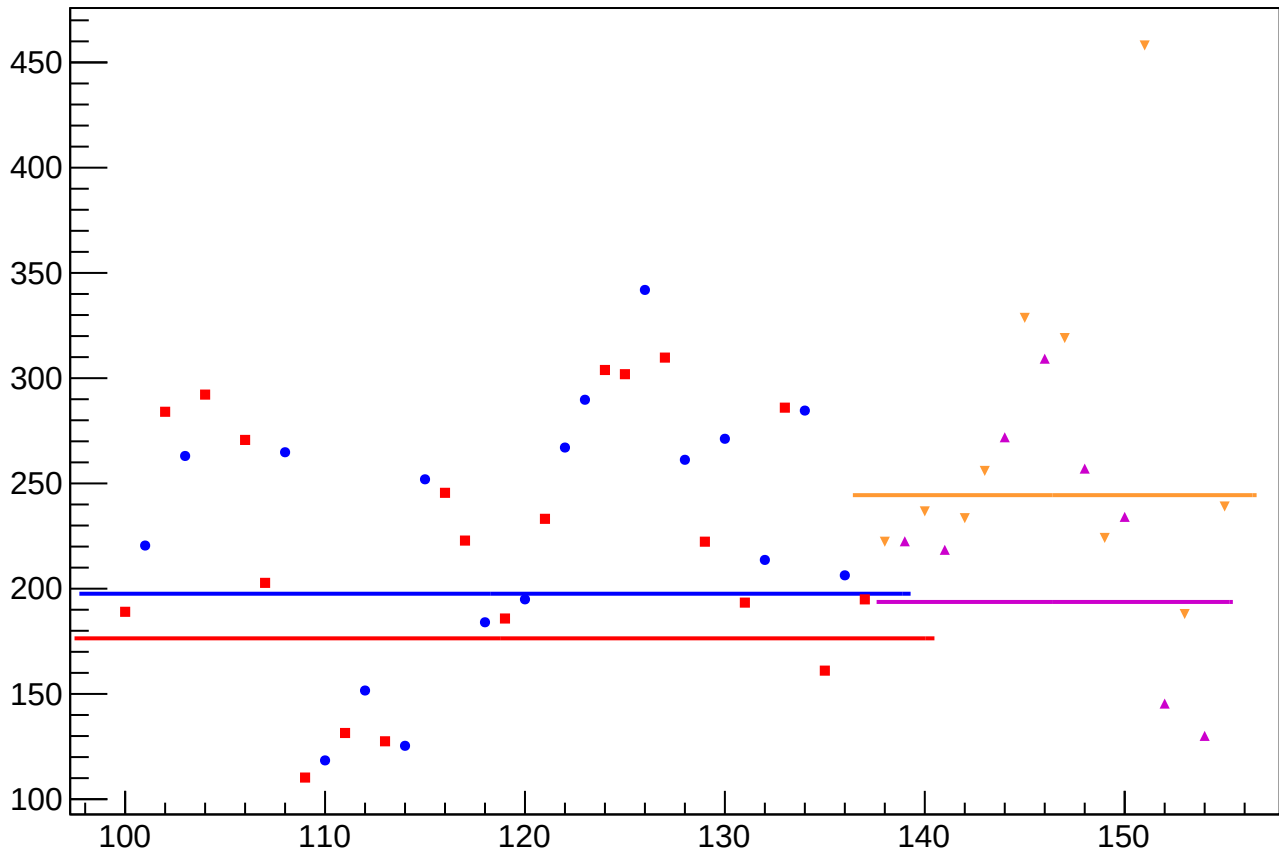
Left In: 82.683 $\pm$ 82.063 χ^2 /NDF: 4.7/7

79.054 $\pm$ 61.212 χ^2 /NDF: 9.9/26

54.228 $\pm$ 40.434 χ^2 /NDF: 21.7/54

35.011 $\pm$ 53.857 χ^2 /NDF: 11.4/27

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: 244.431 $\pm$ 0.066 χ^2/NDF : 682209.1/9

Right Out: 176.407 $\pm$ 0.050 χ^2/NDF : 1523589.5/19

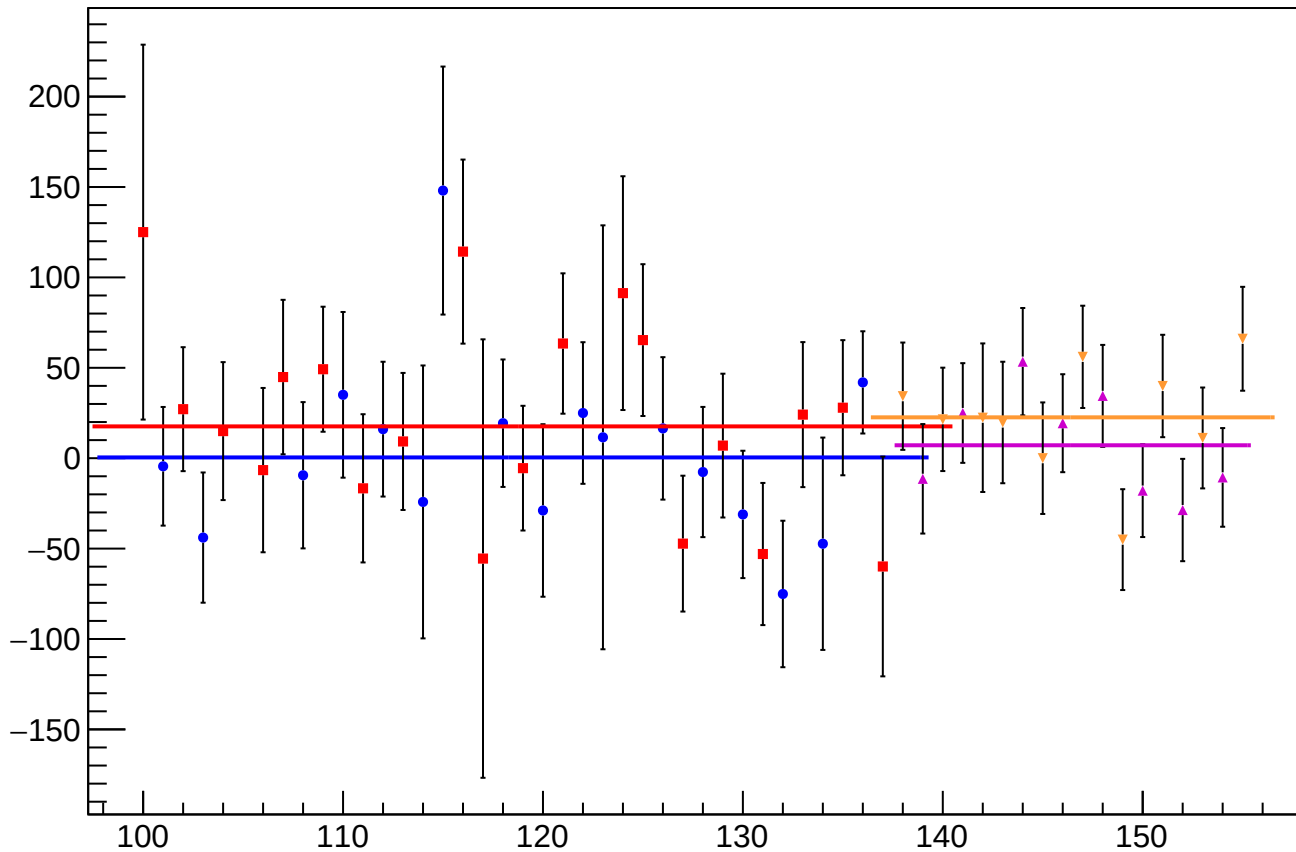
Left In: 193.695 $\pm$ 0.058 χ^2/NDF : 1041168.7/7

217.700 $\pm$ 0.043 χ^2/NDF : 1937774.5/26

198.622 $\pm$ 0.029 χ^2/NDF : 4897730.6/54

183.853 $\pm$ 0.038 χ^2/NDF : 2615289.2/27

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: 22.599 ± 9.464 χ^2/NDF : 10.8/9

Right Out: 17.595 ± 9.470 χ^2/NDF : 19.8/19

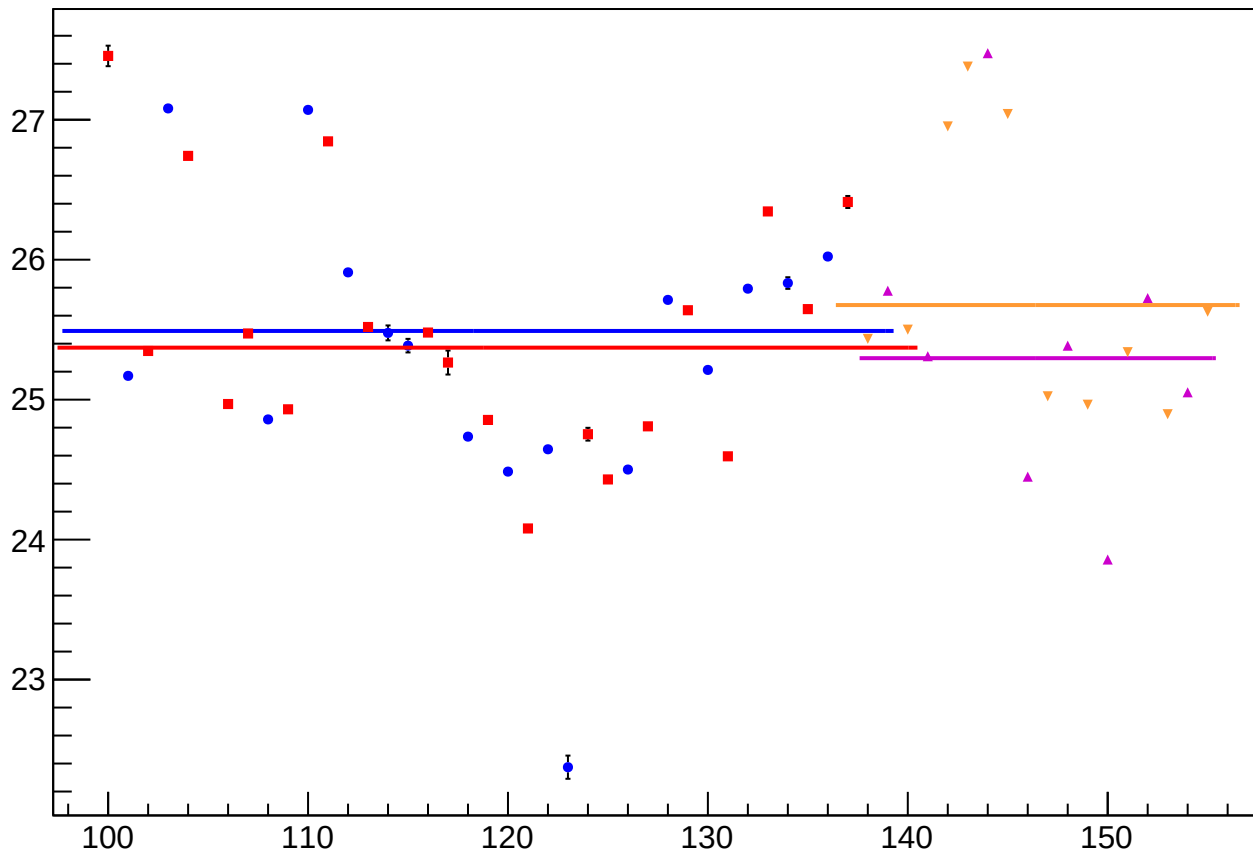
Left In: 7.149 ± 9.868 χ^2/NDF : 7.3/7

11.994 ± 6.836 χ^2/NDF : 28.9/26

12.291 ± 4.832 χ^2/NDF : 56.7/54

12.587 ± 6.833 χ^2/NDF : 27.8/27

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 25.491+/-0.007 χ^2/NDF : 13713.0/16

Left Out: 25.676+/-0.007 χ^2/NDF : 15413.3/9

Right Out: 25.372+/-0.007 χ^2/NDF : 13552.0/19

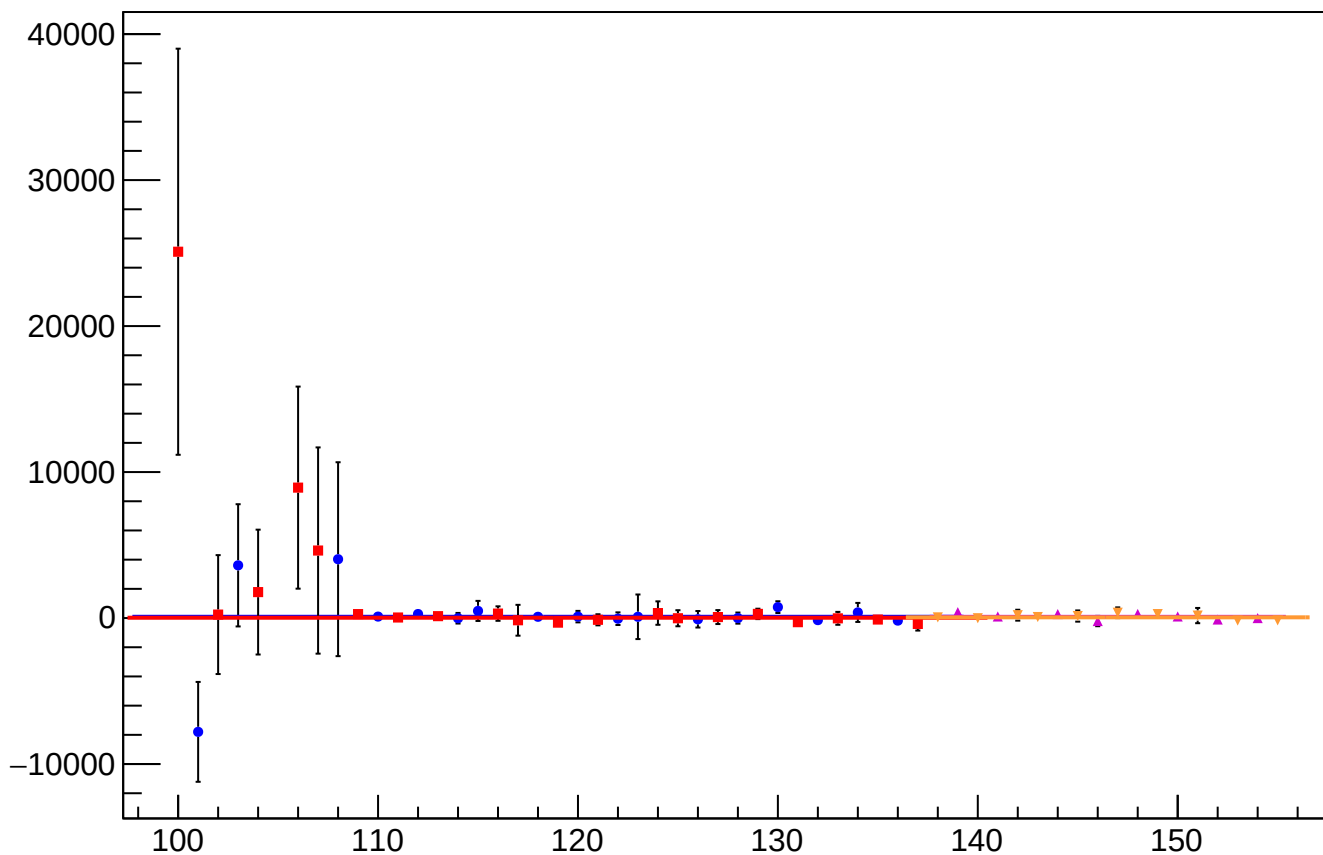
Left In: 25.296+/-0.007 χ^2/NDF : 20151.5/7

25.587+/-0.005 χ^2/NDF : 29491.8/26

25.461+/-0.003 χ^2/NDF : 64614.4/54

25.335+/-0.005 χ^2/NDF : 33764.1/27

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 86.558+/-88.423 χ^2/NDF : 12.5/16

Left Out: 49.555+/-95.132 χ^2/NDF : 3.3/9

Right Out: 22.332+/-80.711 χ^2/NDF : 11.9/19

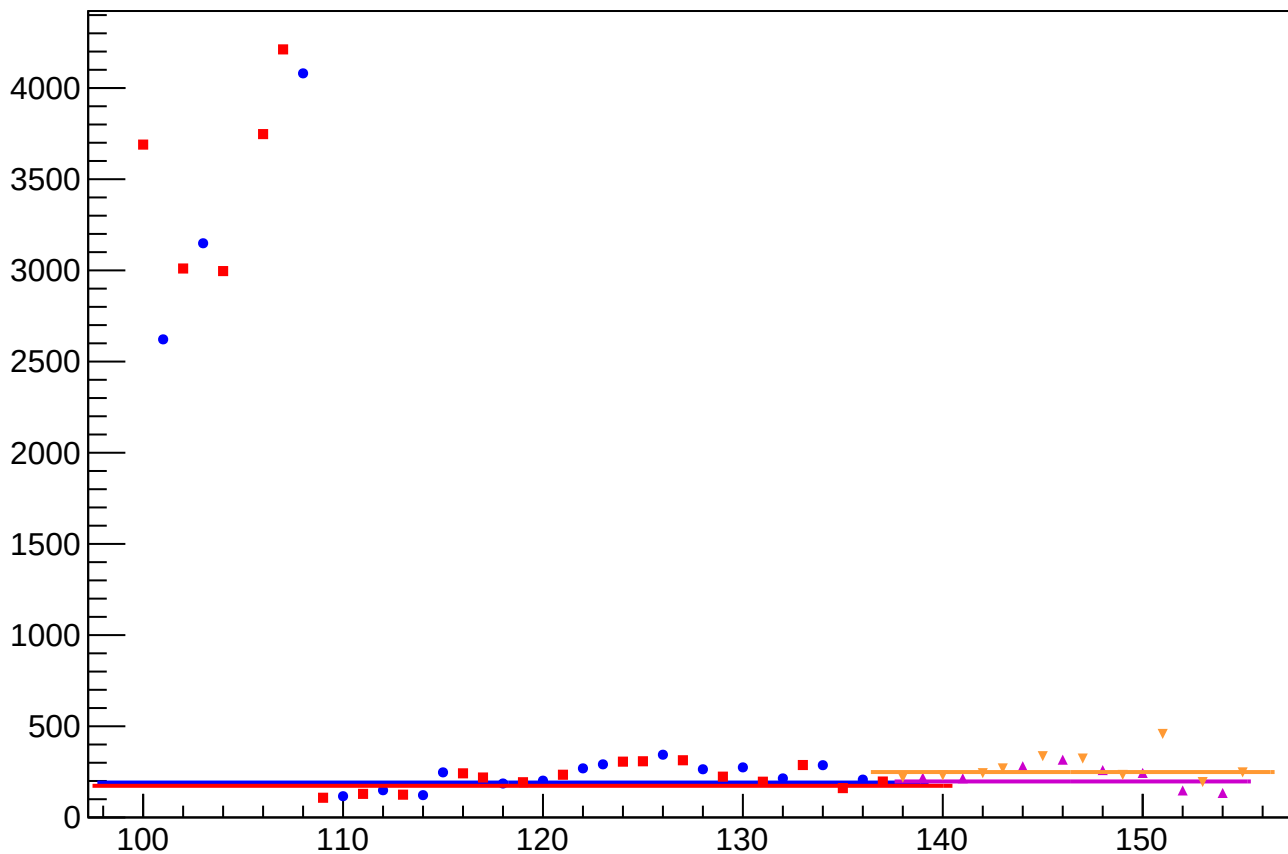
Left In: 81.863+/-83.496 χ^2/NDF : 4.1/7

69.407+/-64.767 χ^2/NDF : 15.8/26

59.246+/-43.220 χ^2/NDF : 32.2/54

51.088+/-58.031 χ^2/NDF : 16.3/27

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: 249.032+/-0.067 χ^2/NDF : 672813.9/9

Right Out: 173.565+/-0.057 χ^2/NDF : 4211161.0/19

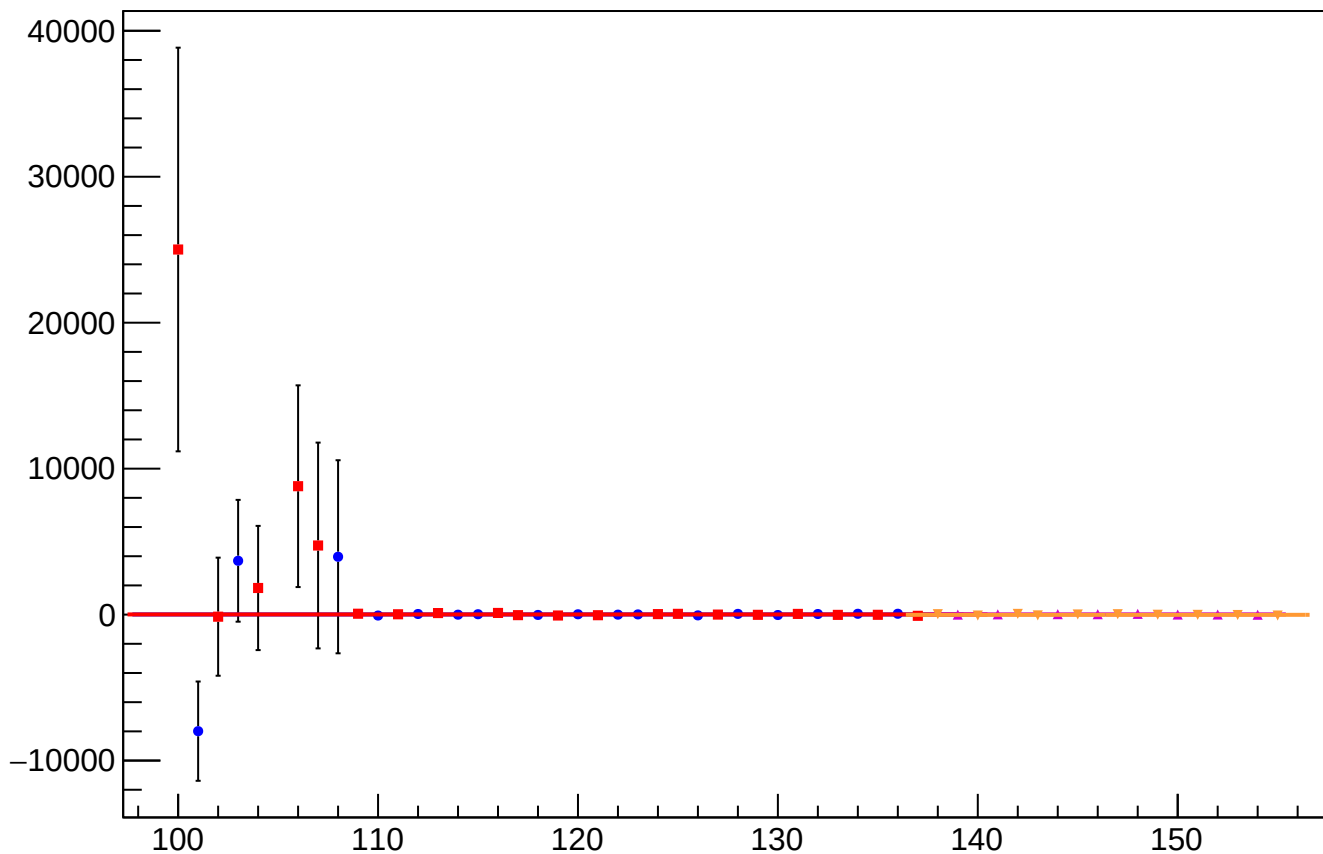
Left In: 197.433+/-0.059 χ^2/NDF : 1011620.2/7

218.154+/-0.046 χ^2/NDF : 4638693.7/26

199.816+/-0.031 χ^2/NDF : 10235007.6/54

185.094+/-0.041 χ^2/NDF : 5307265.9/27

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: -14.869+/-11.076 χ^2/NDF : 10.6/9

Right Out: 12.296+/-12.186 χ^2/NDF : 24.9/19

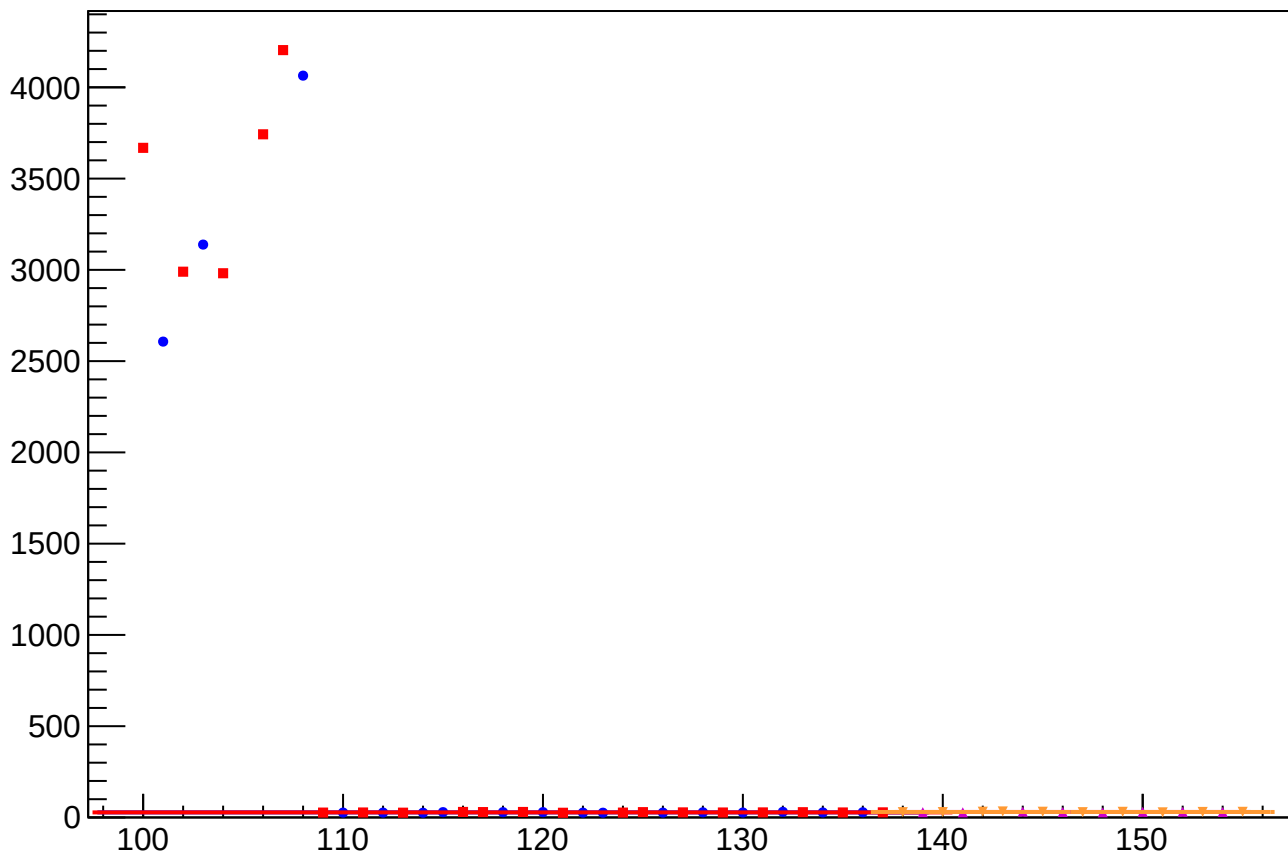
Left In: 17.517+/-11.758 χ^2/NDF : 2.5/7

-3.588+/-8.225 χ^2/NDF : 31.3/26

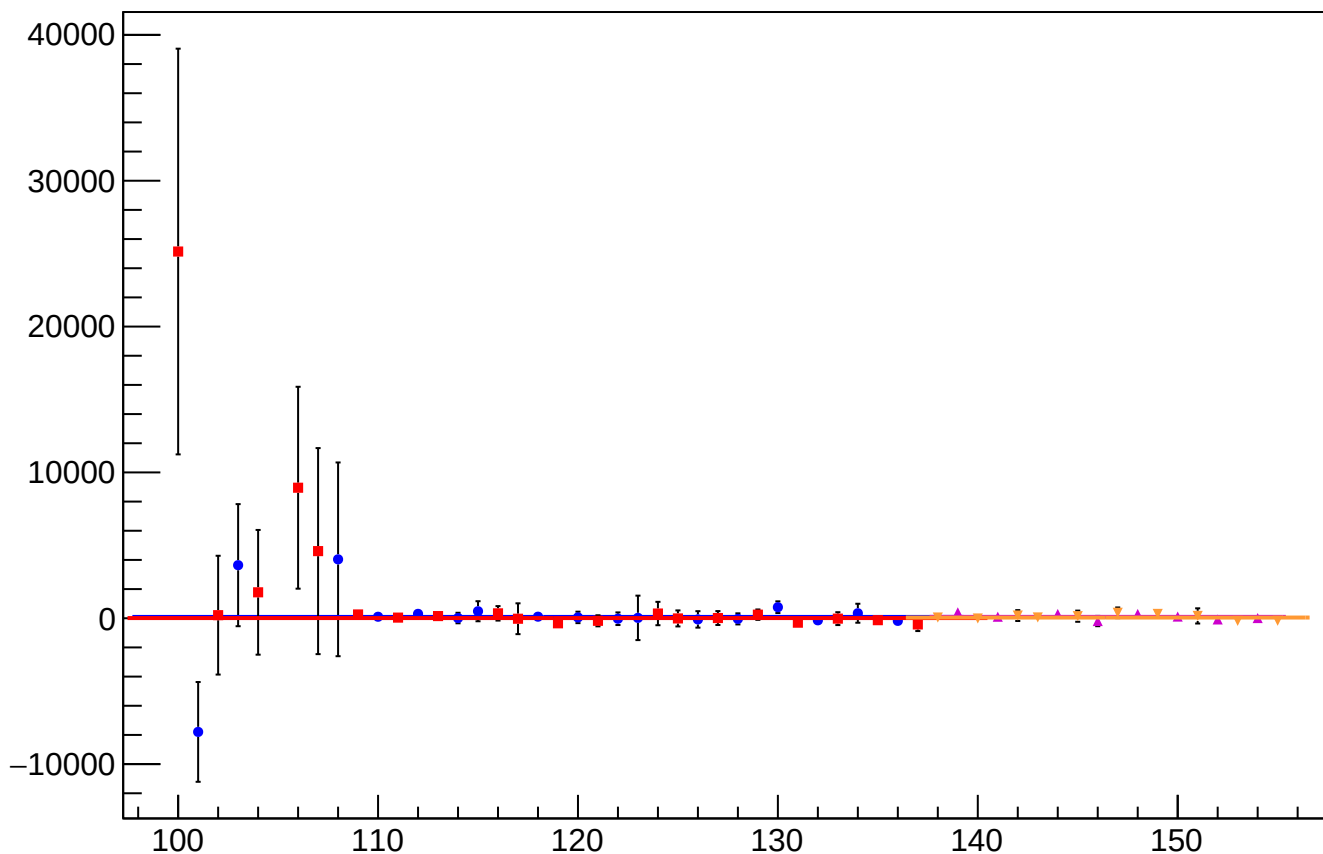
5.443+/-5.898 χ^2/NDF : 61.2/54

15.000+/-8.461 χ^2/NDF : 27.5/27

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



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: 48.979+/-94.918 χ^2/NDF : 3.6/9

Right Out: 13.075+/-80.452 χ^2/NDF : 12.7/19

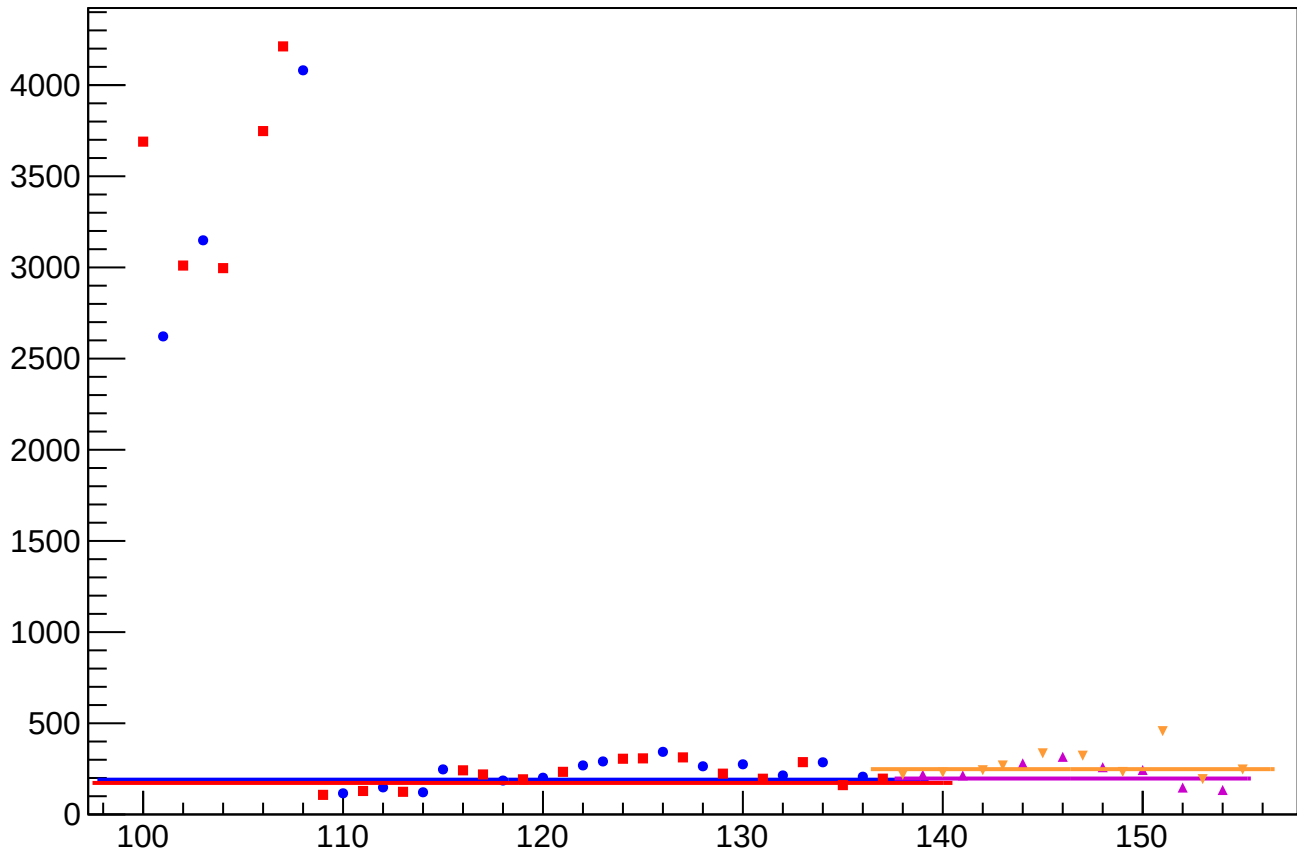
Left In: 94.318+/-83.325 χ^2/NDF : 4.0/7

71.419+/-64.591 χ^2/NDF : 16.5/26

60.799+/-43.104 χ^2/NDF : 33.7/54

52.272+/-57.877 χ^2/NDF : 17.1/27

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 190.770 $\pm$ 0.062 χ^2 /NDF: 3585034.0/16

Left Out: 248.469 $\pm$ 0.067 χ^2 /NDF: 672893.5/9

Right Out: 172.900 $\pm$ 0.057 χ^2 /NDF: 4222511.2/19

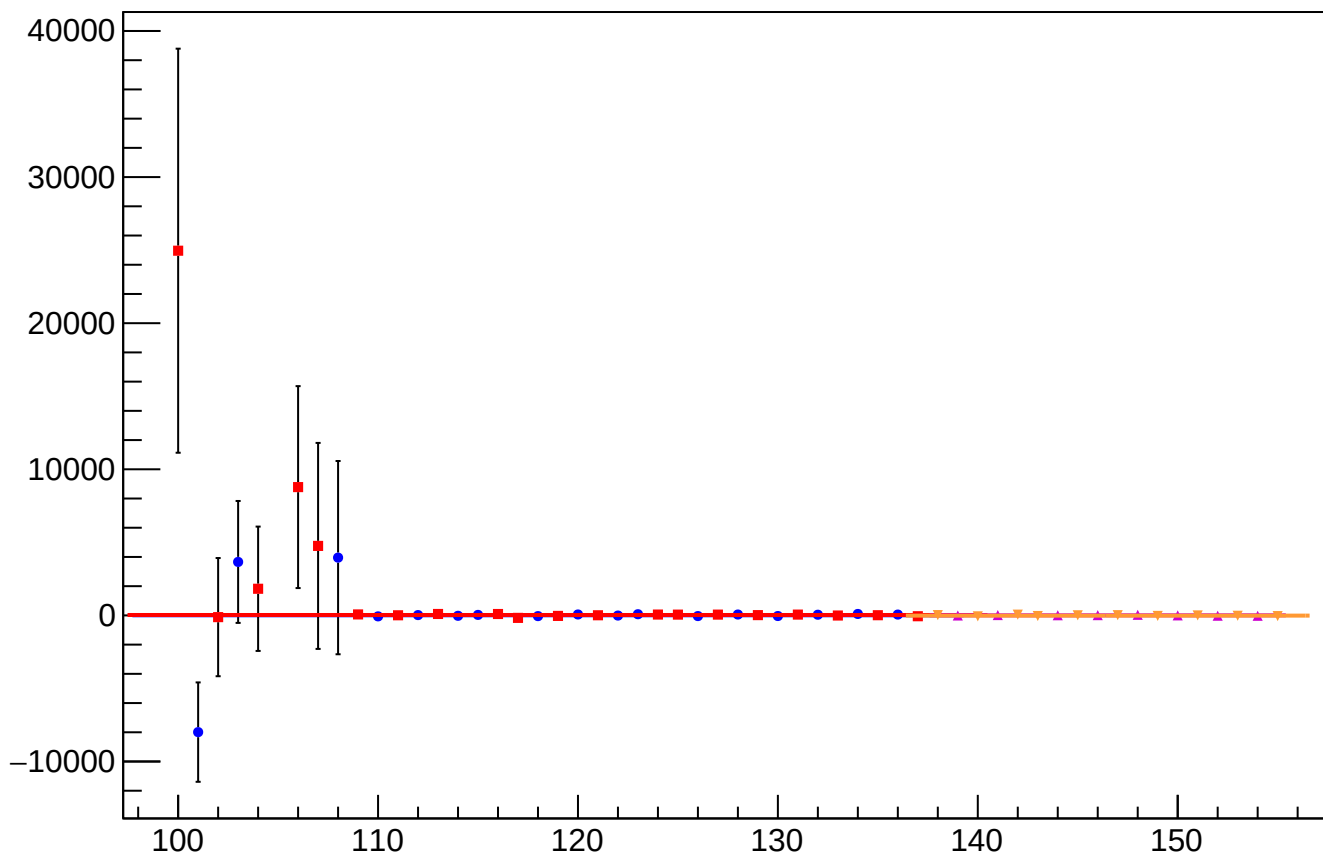
Left In: 197.038 $\pm$ 0.059 χ^2 /NDF: 1010645.2/7

217.489 $\pm$ 0.046 χ^2 /NDF: 4654744.6/26

199.217 $\pm$ 0.030 χ^2 /NDF: 10263315.3/54

184.546 $\pm$ 0.041 χ^2 /NDF: 5320015.9/27

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: -15.231 $\pm$ 11.160 χ^2 /NDF: 8.4/9

Right Out: 27.898 $\pm$ 12.287 χ^2 /NDF: 18.8/19

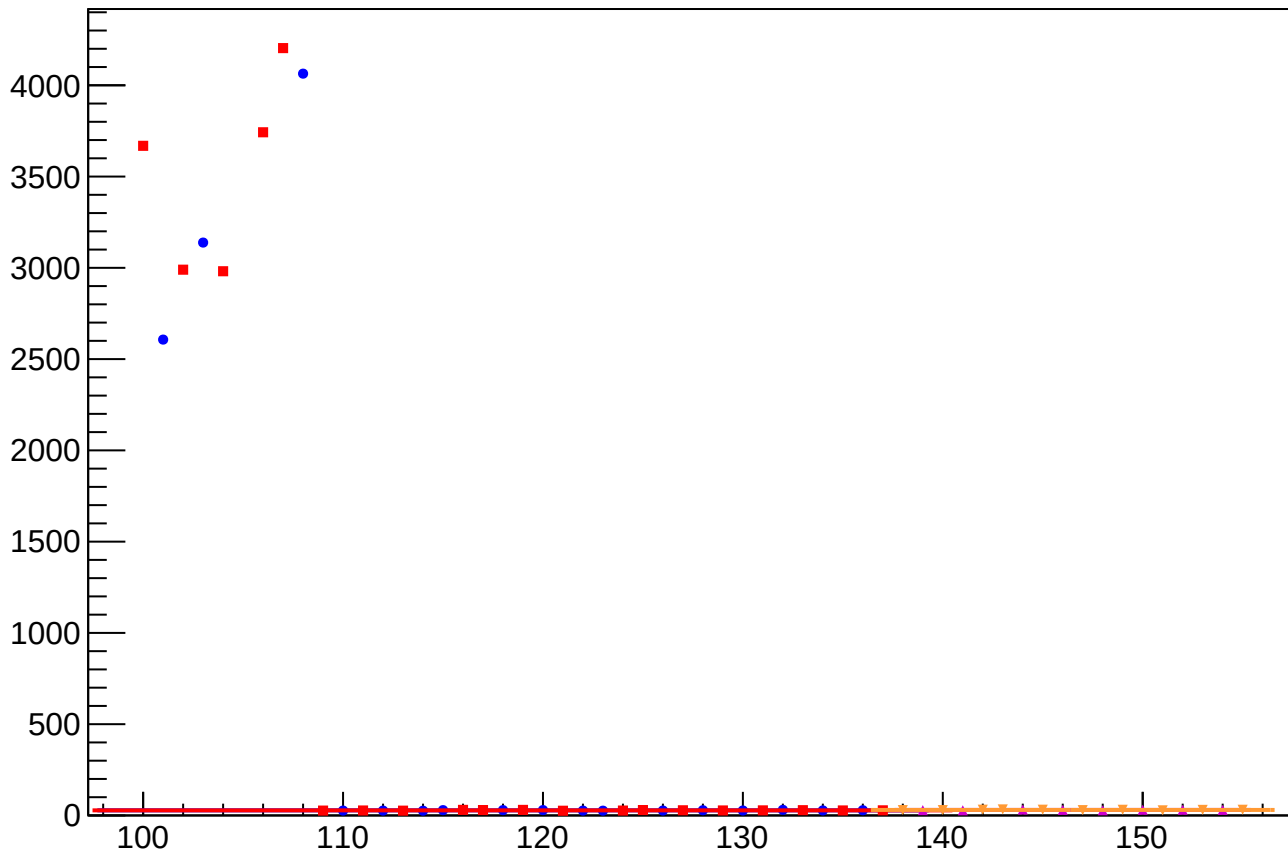
Left In: 6.081 $\pm$ 11.821 χ^2 /NDF: 3.3/7

-4.536 $\pm$ 8.285 χ^2 /NDF: 33.6/26

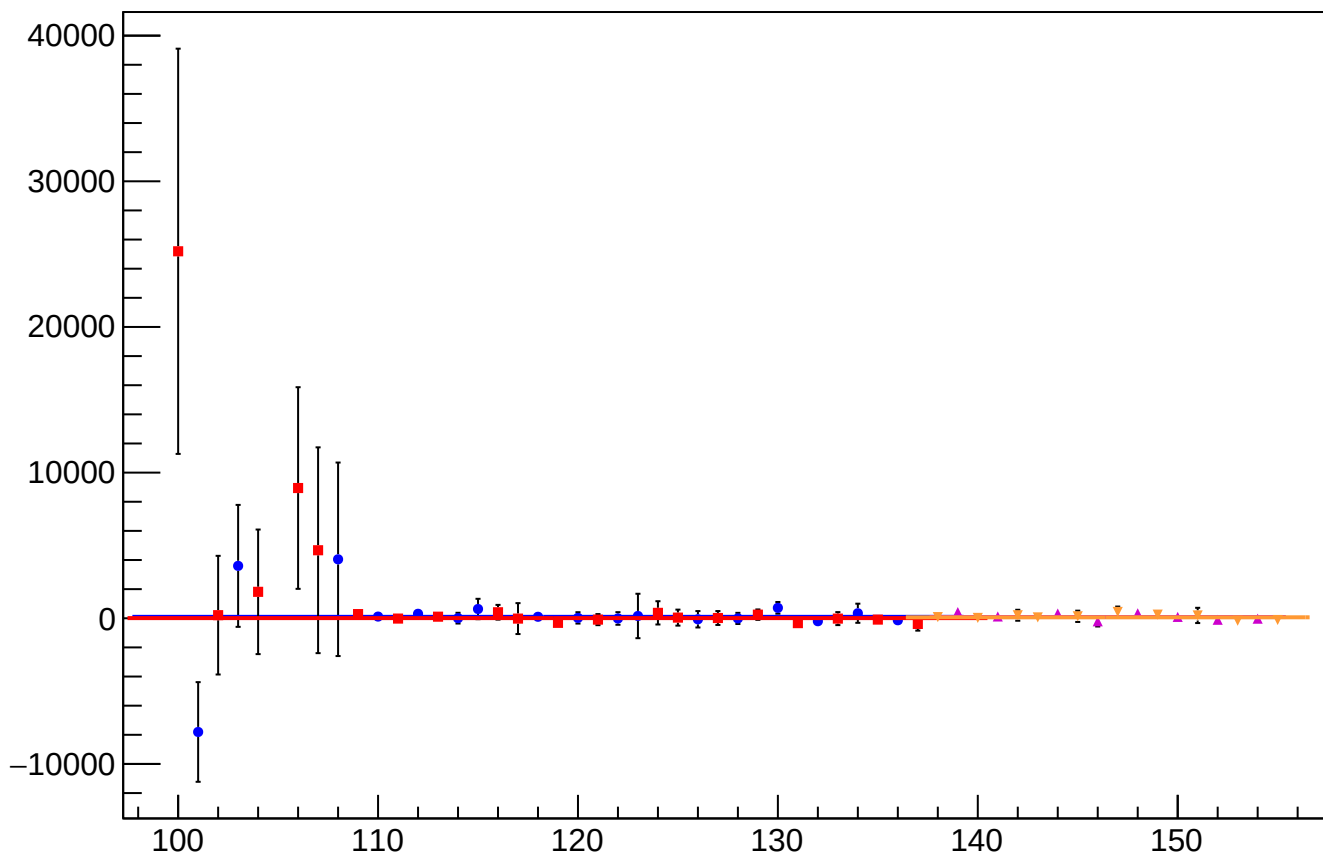
5.723 $\pm$ 5.939 χ^2 /NDF: 60.5/54

16.569 $\pm$ 8.519 χ^2 /NDF: 23.7/27

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



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: 67.064 $\pm$ 96.056 χ^2 /NDF: 3.2/9

Right Out: 11.533 $\pm$ 81.530 χ^2 /NDF: 12.3/19

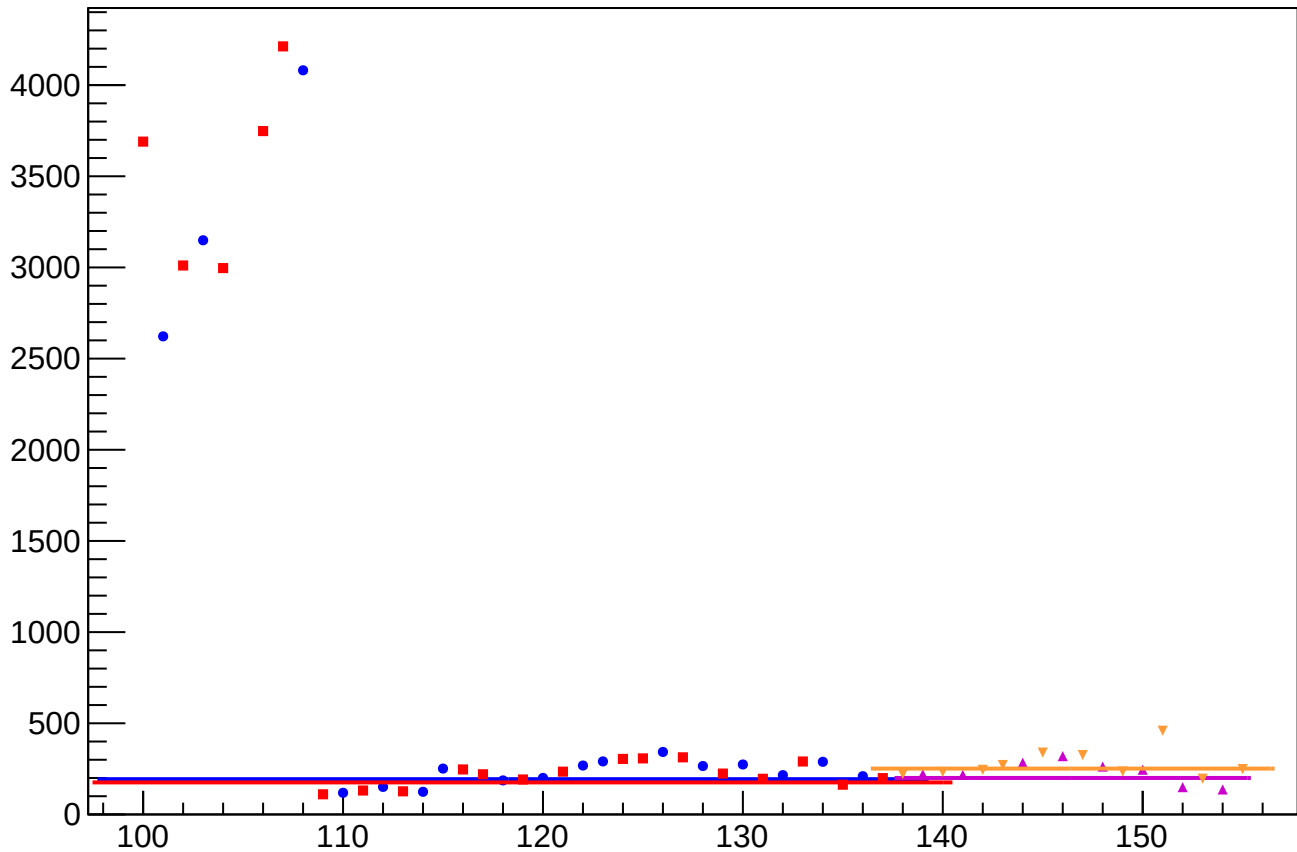
Left In: 85.804 $\pm$ 84.517 χ^2 /NDF: 5.0/7

83.751 $\pm$ 65.365 χ^2 /NDF: 15.8/26

63.585 $\pm$ 43.665 χ^2 /NDF: 33.7/54

47.333 $\pm$ 58.678 χ^2 /NDF: 17.7/27

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.516+/-0.063 χ^2/NDF : 3536947.8/16

Left Out: 251.573+/-0.068 χ^2/NDF : 664271.1/9

Right Out: 175.774+/-0.058 χ^2/NDF : 4169115.6/19

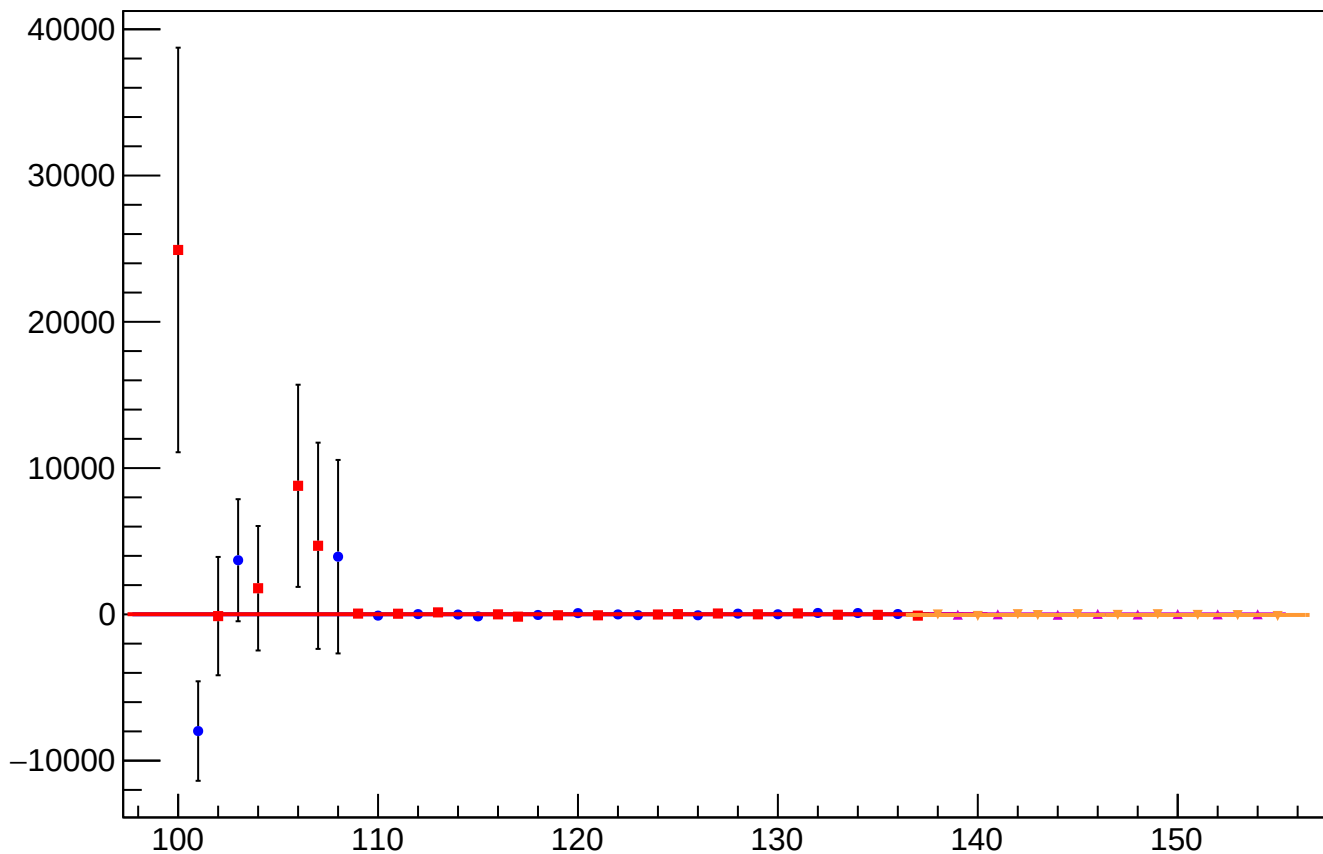
Left In: 200.155+/-0.060 χ^2/NDF : 987985.7/7

220.400+/-0.046 χ^2/NDF : 4593512.0/26

202.196+/-0.031 χ^2/NDF : 10116958.4/54

187.526+/-0.041 χ^2/NDF : 5243314.1/27

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.565+/-15.052 χ^2/NDF : 20.4/16

Left Out: -39.595+/-13.097 χ^2/NDF : 10.5/9

Right Out: 10.775+/-14.891 χ^2/NDF : 23.0/19

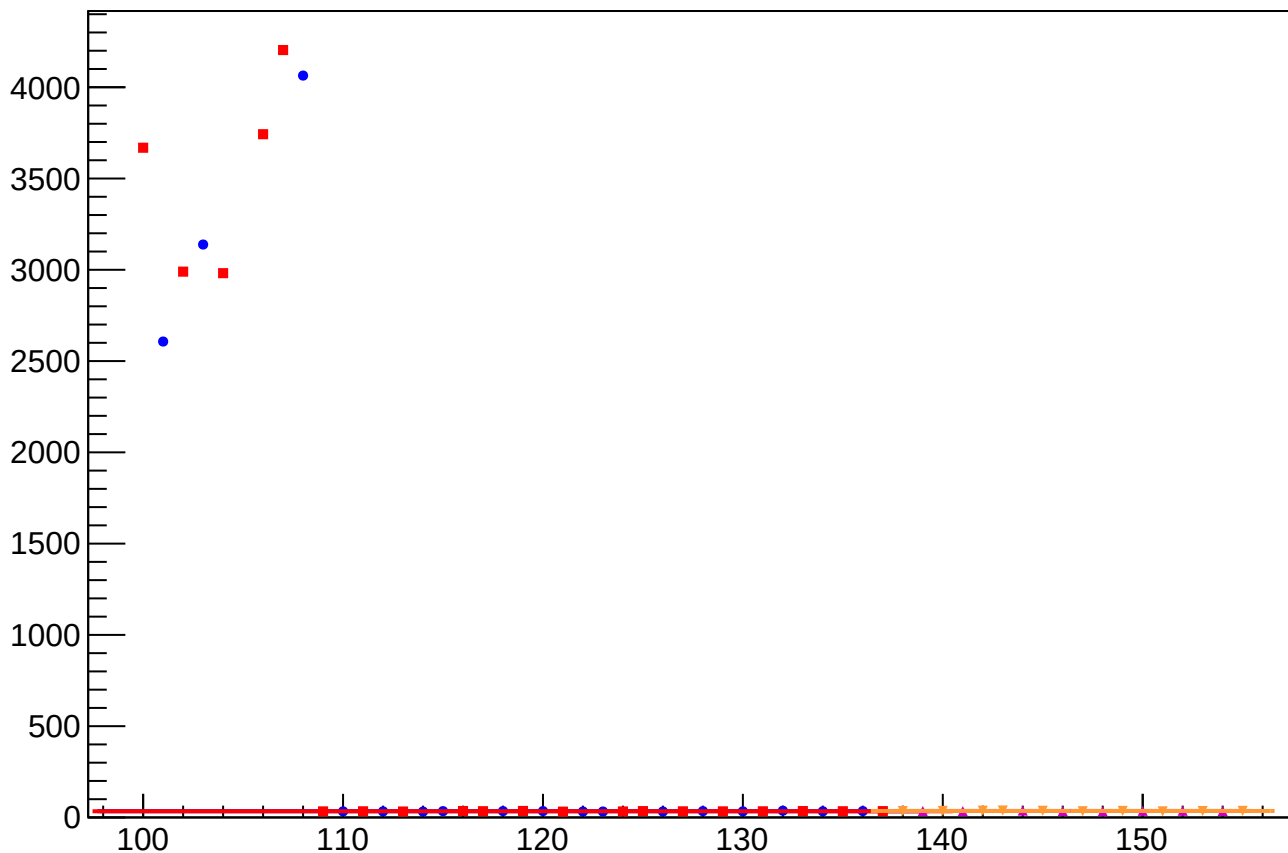
Left In: 4.041+/-13.907 χ^2/NDF : 1.7/7

-20.136+/-9.880 χ^2/NDF : 36.0/26

-6.865+/-7.085 χ^2/NDF : 64.5/54

7.178+/-10.164 χ^2/NDF : 24.7/27

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: 35.522+/-0.009 χ^2 /NDF:19319.8/9

Right Out: 33.916+/-0.011 χ^2 /NDF: 3451921.6/19

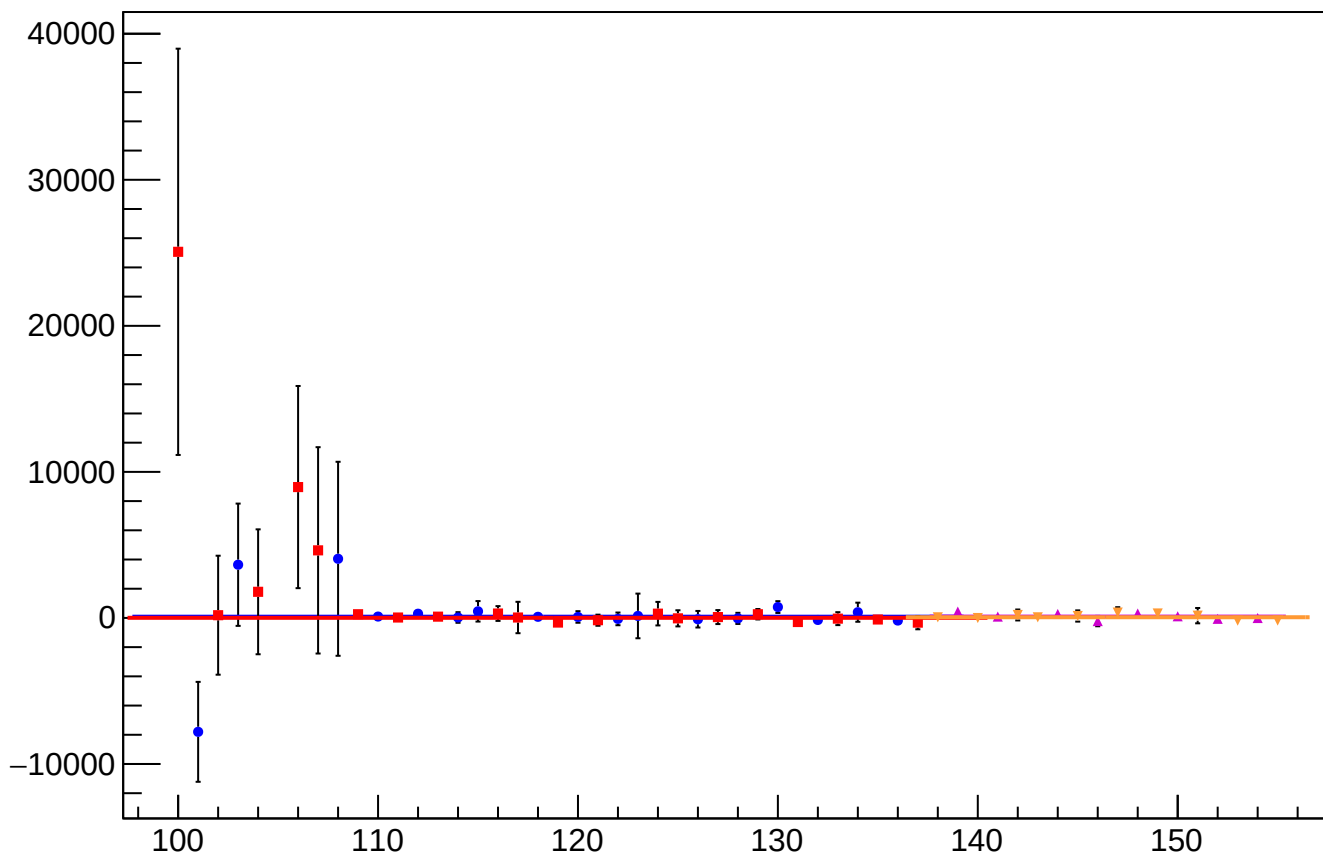
Left In: 35.638+/-0.010 χ^2 /NDF:12438.8/7

34.938+/-0.007 χ^2 /NDF: 3035045.7/26

34.888+/-0.005 χ^2 /NDF: 6513807.8/54

34.836+/-0.007 χ^2 /NDF: 3478657.5/27

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: 48.013+/-95.575 χ^2/NDF : 3.7/9

Right Out: 8.682+/-81.026 χ^2/NDF : 11.1/19

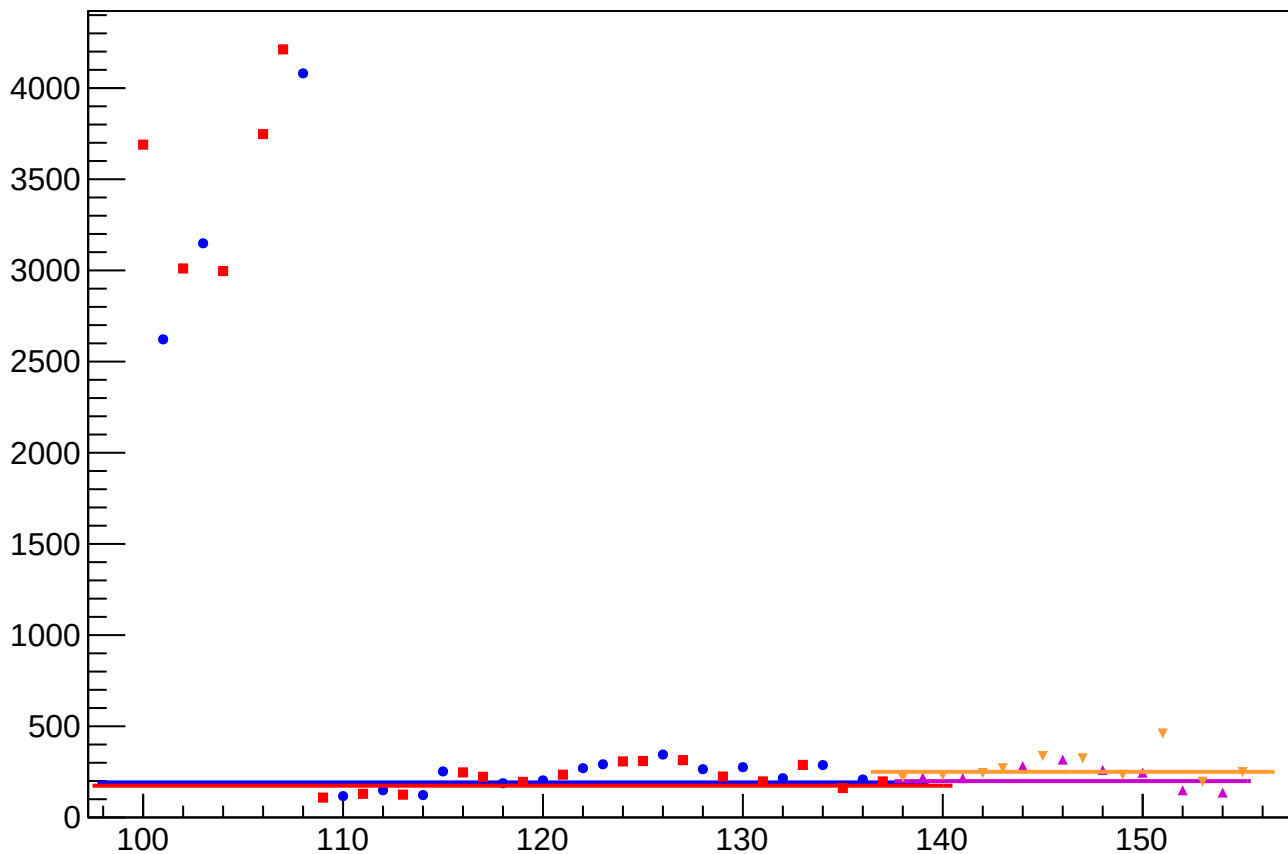
Left In: 90.558+/-84.171 χ^2/NDF : 4.2/7

67.609+/-65.033 χ^2/NDF : 16.3/26

56.784+/-43.441 χ^2/NDF : 32.2/54

48.062+/-58.374 χ^2/NDF : 15.8/27

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: 250.257+/-0.068 χ^2/NDF : 667728.5/9

Right Out: 174.240+/-0.057 χ^2/NDF : 4215763.8/19

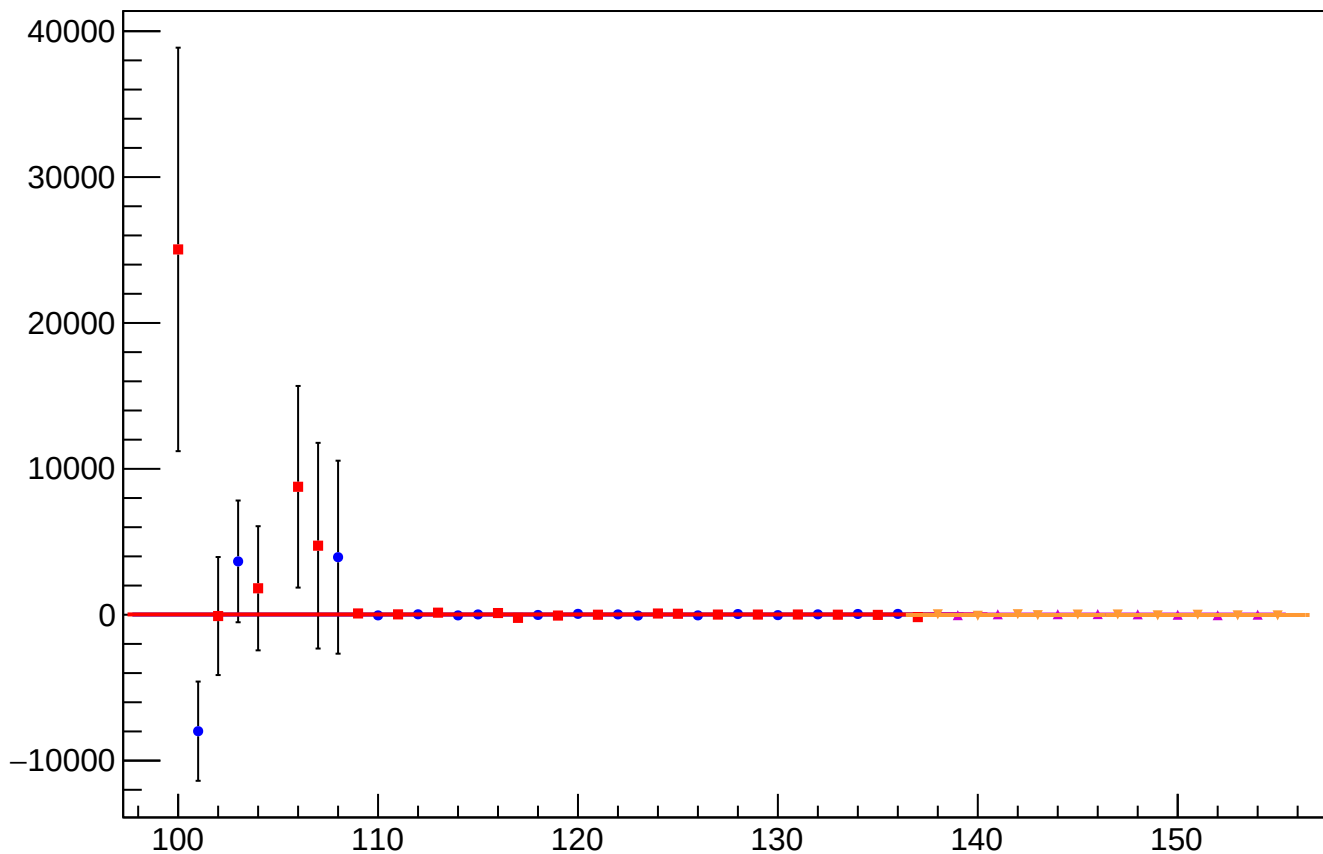
Left In: 199.326+/-0.060 χ^2/NDF : 980987.6/7

219.068+/-0.046 χ^2/NDF : 4638958.0/26

200.924+/-0.031 χ^2/NDF : 10209027.0/54

186.306+/-0.041 χ^2/NDF : 5288964.5/27

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: -17.597+/-11.986 χ^2/NDF : 8.1/9

Right Out: 20.740+/-13.606 χ^2/NDF : 30.4/19

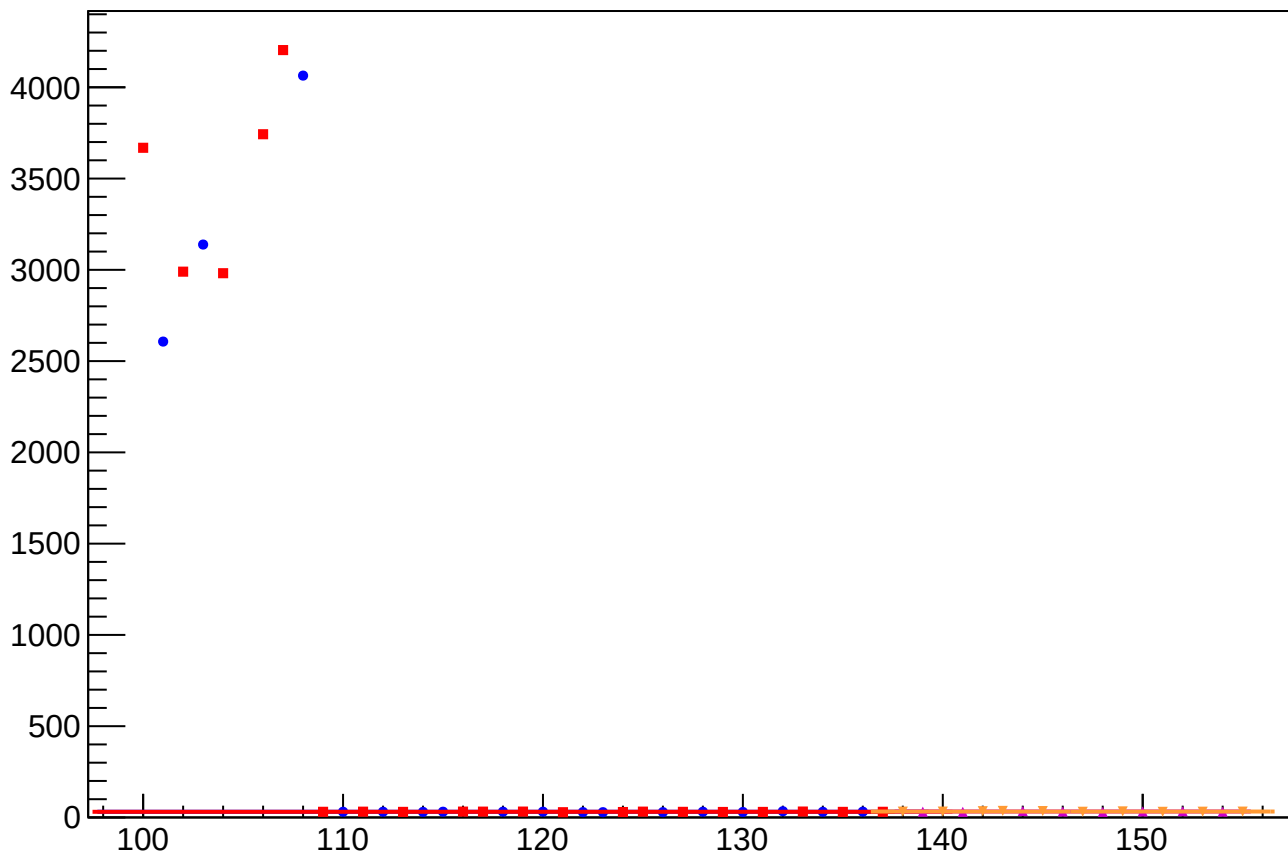
Left In: 12.822+/-12.729 χ^2/NDF : 4.4/7

-4.465+/-9.028 χ^2/NDF : 25.6/26

5.720+/-6.476 χ^2/NDF : 63.2/54

16.517+/-9.295 χ^2/NDF : 35.0/27

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: 32.472+/-0.008 χ^2/NDF : 32290.5/9

Right Out: 30.970+/-0.010 χ^2/NDF : 3458998.2/19

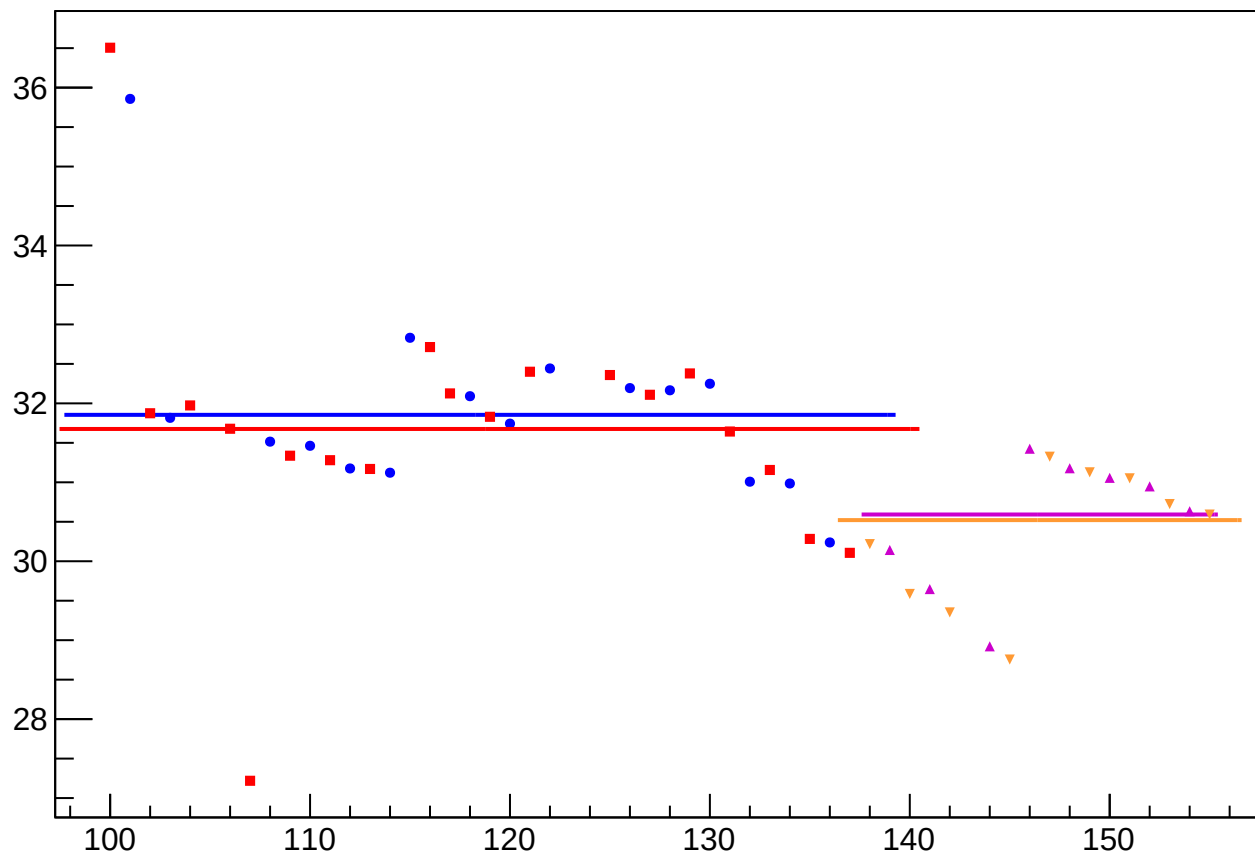
Left In: 32.557+/-0.009 χ^2/NDF : 24555.2/7

31.901+/-0.006 χ^2/NDF : 3057294.4/26

31.860+/-0.005 χ^2/NDF : 6555439.9/54

31.816+/-0.007 χ^2/NDF : 3498058.5/27

yield_usl_mean vs Slug, Sign Corrected



Right In: 31.855+/-0.000 χ^2/NDF : 1570522165.5/15

Left Out: 30.521+/-0.000 χ^2/NDF : 586445696.8/8

Right Out: 31.676+/-0.000 χ^2/NDF : 919678295.7/18

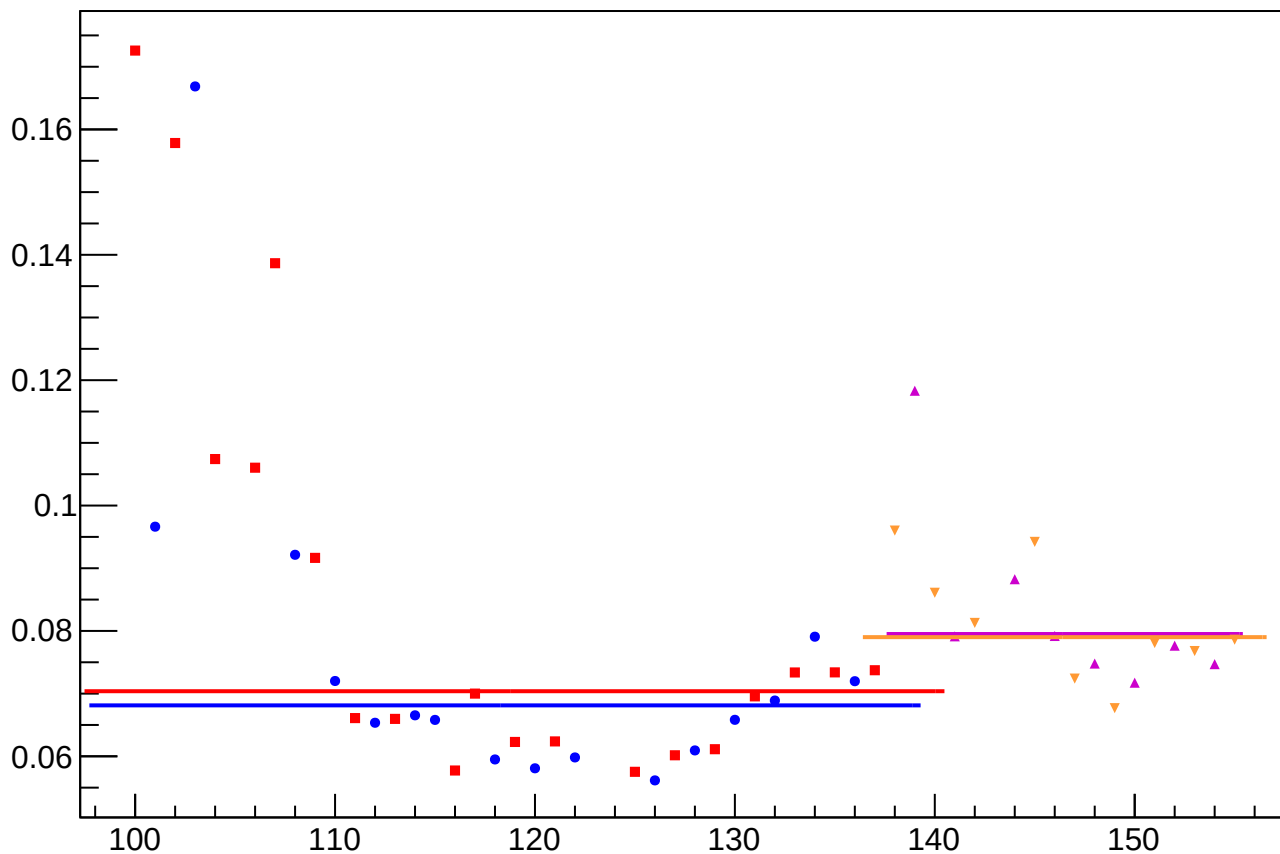
Left In: 30.592+/-0.000 χ^2/NDF : 560966115.3/7

31.275+/-0.000 χ^2/NDF : 3118783052.9/24

31.240+/-0.000 χ^2/NDF : 5218968430.6/5

31.204+/-0.000 χ^2/NDF : 2094824661.0/26

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068+/-0.000 χ^2/NDF : 629767.4/15

Left Out: 0.079+/-0.000 χ^2/NDF :142347.7/8

Right Out: 0.070+/-0.000 χ^2/NDF : 841322.7/18

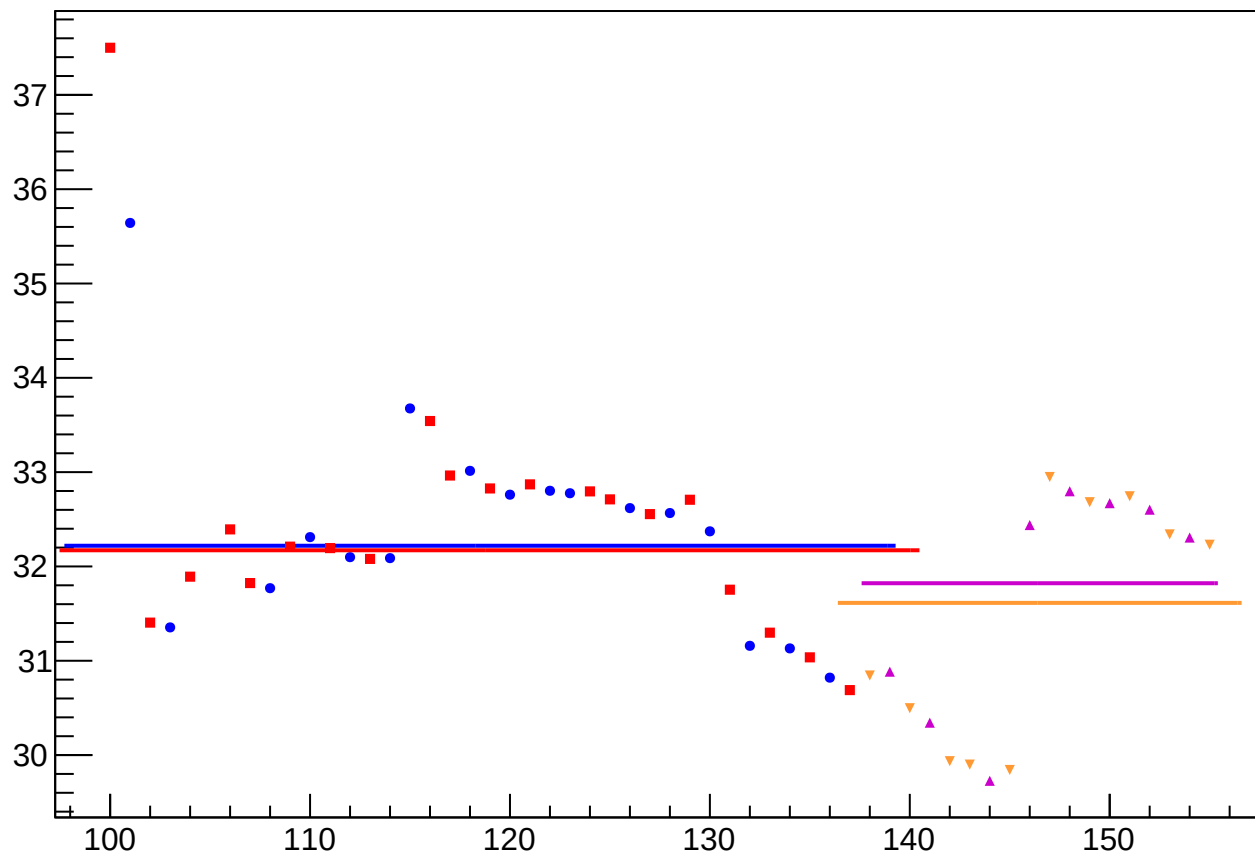
Left In: 0.080+/-0.000 χ^2/NDF :196640.0/7

0.073+/-0.000 χ^2/NDF : 900267.0/24

0.074+/-0.000 χ^2/NDF : 2030179.6/51

0.074+/-0.000 χ^2/NDF : 1125077.5/26

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.220 $\pm$ 0.000 χ^2 /NDF: 1013864543.3/16

Left Out: 31.614 $\pm$ 0.000 χ^2 /NDF: 1665786992.8/9

Right Out: 32.171 $\pm$ 0.000 χ^2 /NDF: 444137990.6/19

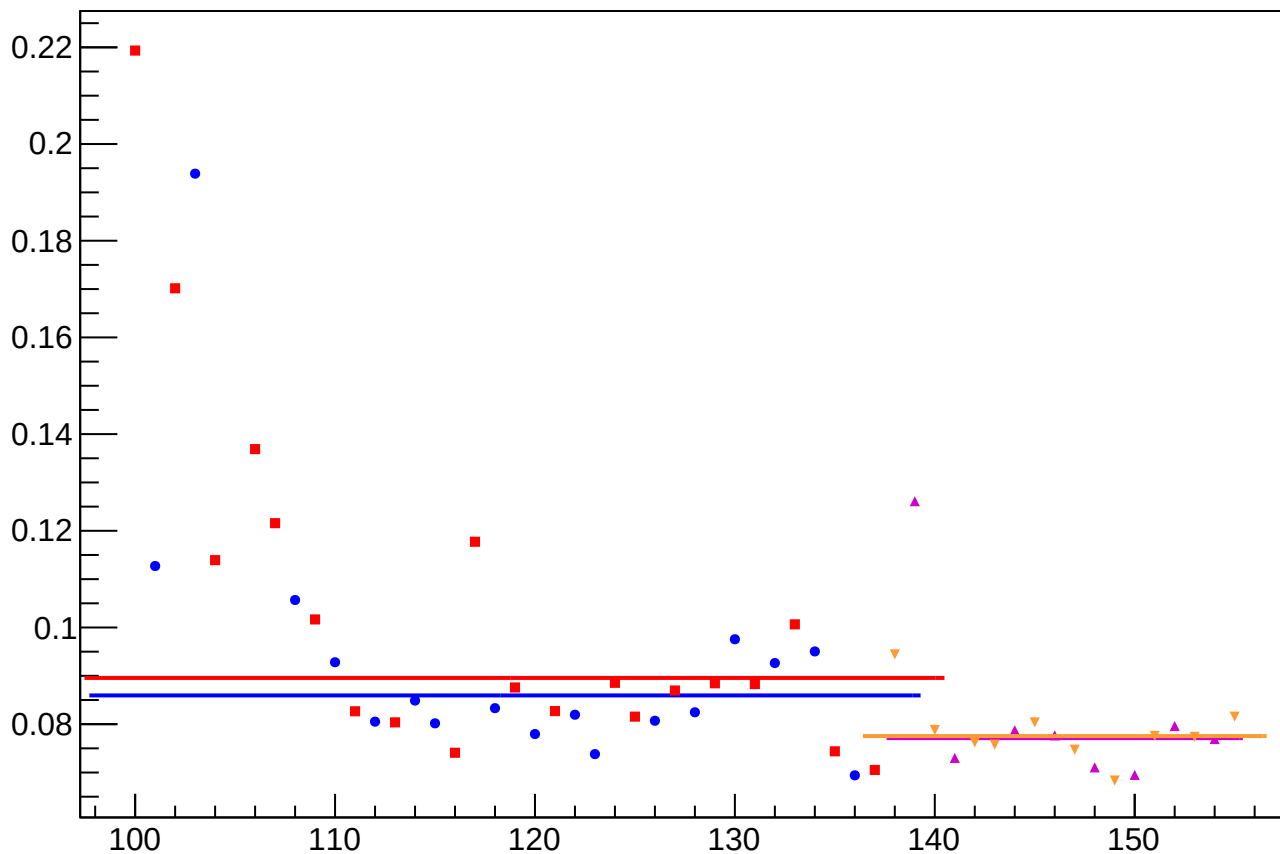
Left In: 31.822 $\pm$ 0.000 χ^2 /NDF: 1320328694.1/7

31.866 $\pm$ 0.000 χ^2 /NDF: 2847840636.6/26

31.918 $\pm$ 0.000 χ^2 /NDF: 4676214847.3/5

31.974 $\pm$ 0.000 χ^2 /NDF: 1817671368.4/27

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF : 553280.3/16

Left Out: 0.078+/-0.000 χ^2/NDF : 78417.7/9

Right Out: 0.090+/-0.000 χ^2/NDF : 544516.7/19

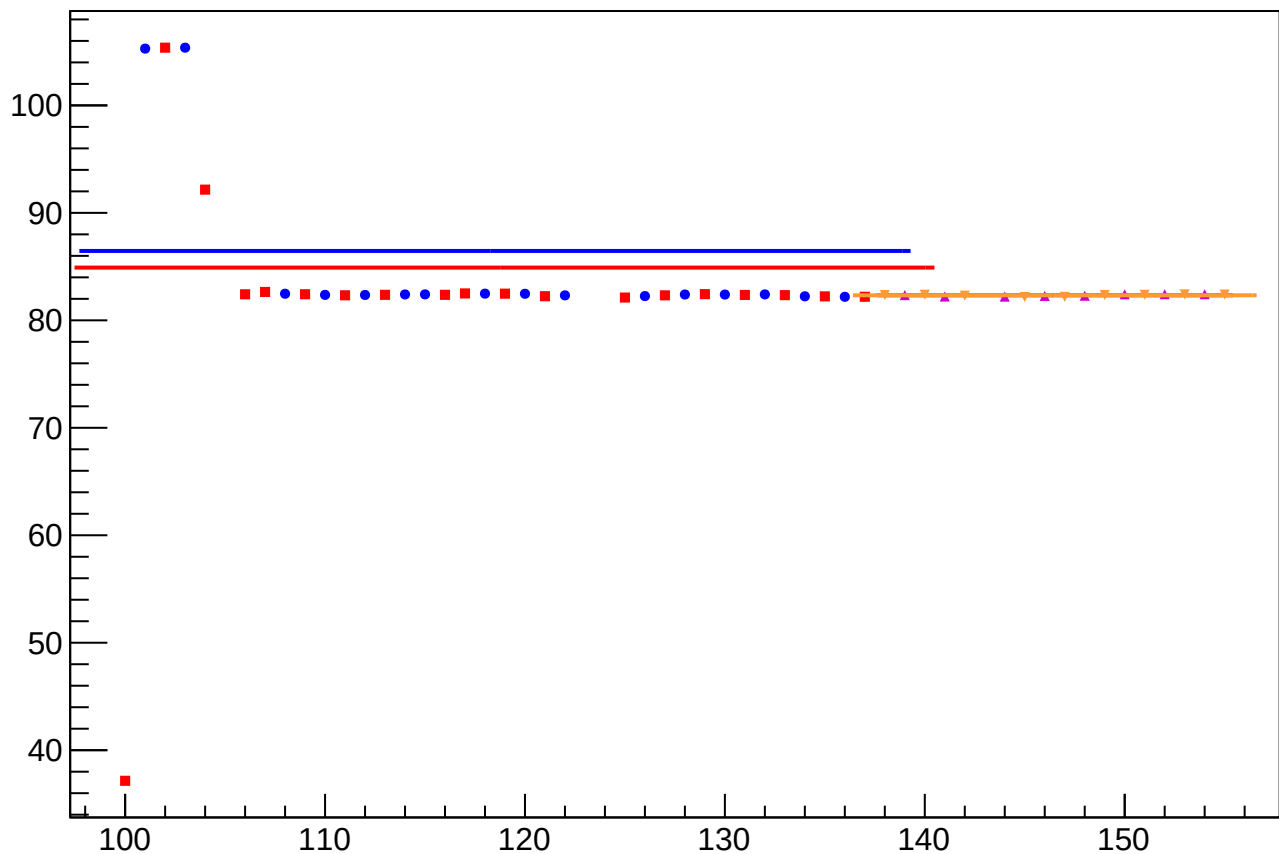
Left In: 0.077+/-0.000 χ^2/NDF : 249933.6/7

0.081+/-0.000 χ^2/NDF : 696498.1/26

0.082+/-0.000 χ^2/NDF : 1630200.2/54

0.083+/-0.000 χ^2/NDF : 929659.8/27

yield_dsl_mean vs Slug, Sign Corrected



Right In: 86.457+/-0.000 χ^2/NDF : 291421048436.2/15

Left Out: 82.330+/-0.000 χ^2/NDF : 26307706.1/8

Right Out: 84.908+/-0.000 χ^2/NDF : 172306803858.3/18

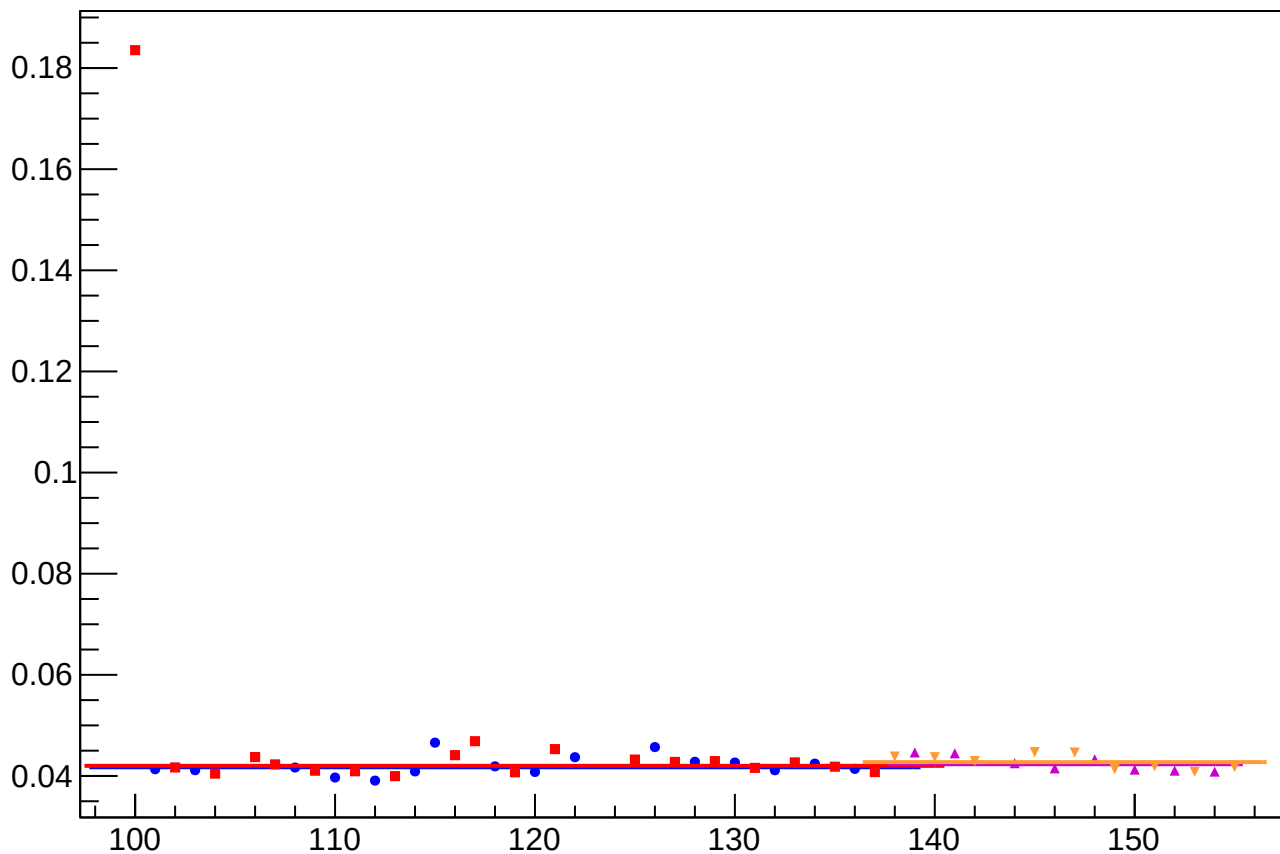
Left In: 82.331+/-0.000 χ^2/NDF : 28895457.4/7

84.433+/-0.000 χ^2/NDF : 322925708724.9/24

84.047+/-0.000 χ^2/NDF : 509971411349.2

83.669+/-0.000 χ^2/NDF : 184865317107.4/26

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF : 18887.0/15

Left Out: 0.043+/-0.000 χ^2/NDF : 14129.8/8

Right Out: 0.042+/-0.000 χ^2/NDF : 97785.5/18

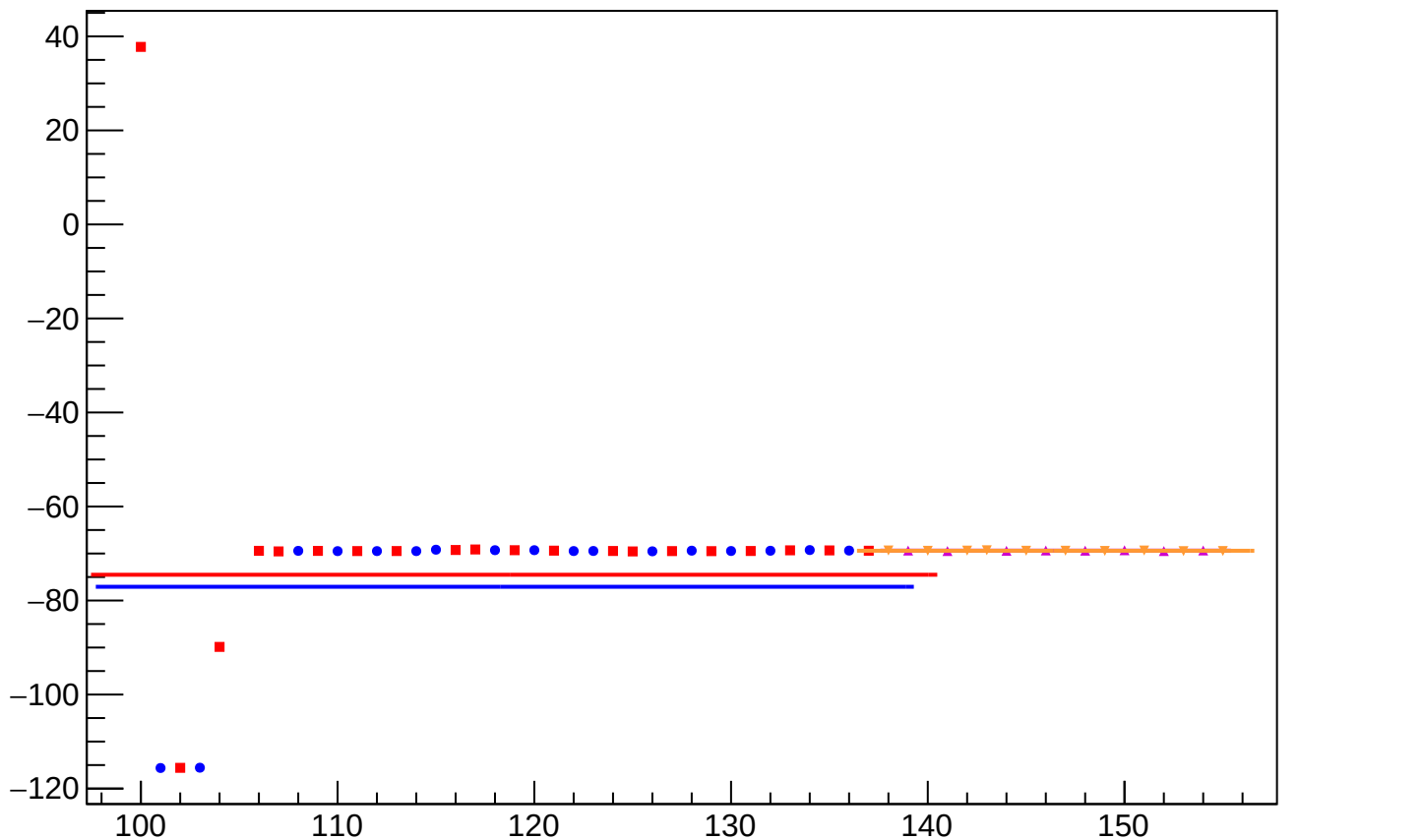
Left In: 0.042+/-0.000 χ^2/NDF : 14132.2/7

0.042+/-0.000 χ^2/NDF : 36771.9/24

0.042+/-0.000 χ^2/NDF : 149101.0/51

0.042+/-0.000 χ^2/NDF : 112297.6/26

yield_dsr_mean vs Slug, Sign Corrected



Right In: -77.074 $\pm$ 0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.412 $\pm$ 0.000 χ^2/NDF : 6716681.0/9

Right Out: -74.518 $\pm$ 0.000 χ^2/NDF : 372210051226.2/19

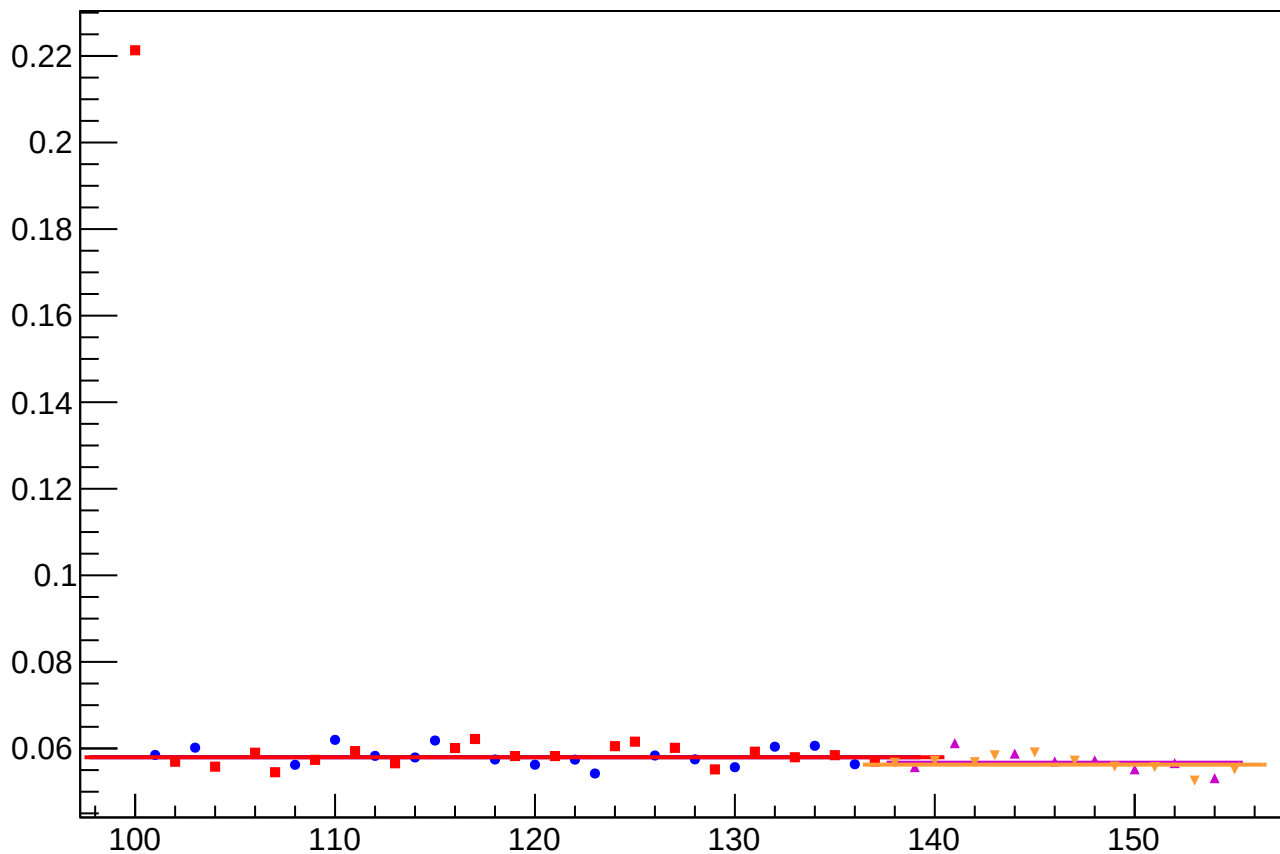
Left In: -69.389 $\pm$ 0.000 χ^2/NDF : 5932925.5/7

-72.938 $\pm$ 0.000 χ^2/NDF : 626085605406.5/26

-72.478 $\pm$ 0.000 χ^2/NDF : 102656999223

-72.004 $\pm$ 0.000 χ^2/NDF : 398697442760.1/27

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058 $\pm$ 0.000 χ^2 /NDF: 12275.6/16

Left Out: 0.056 $\pm$ 0.000 χ^2 /NDF:14503.0/9

Right Out: 0.058 $\pm$ 0.000 χ^2 /NDF: 86860.7/19

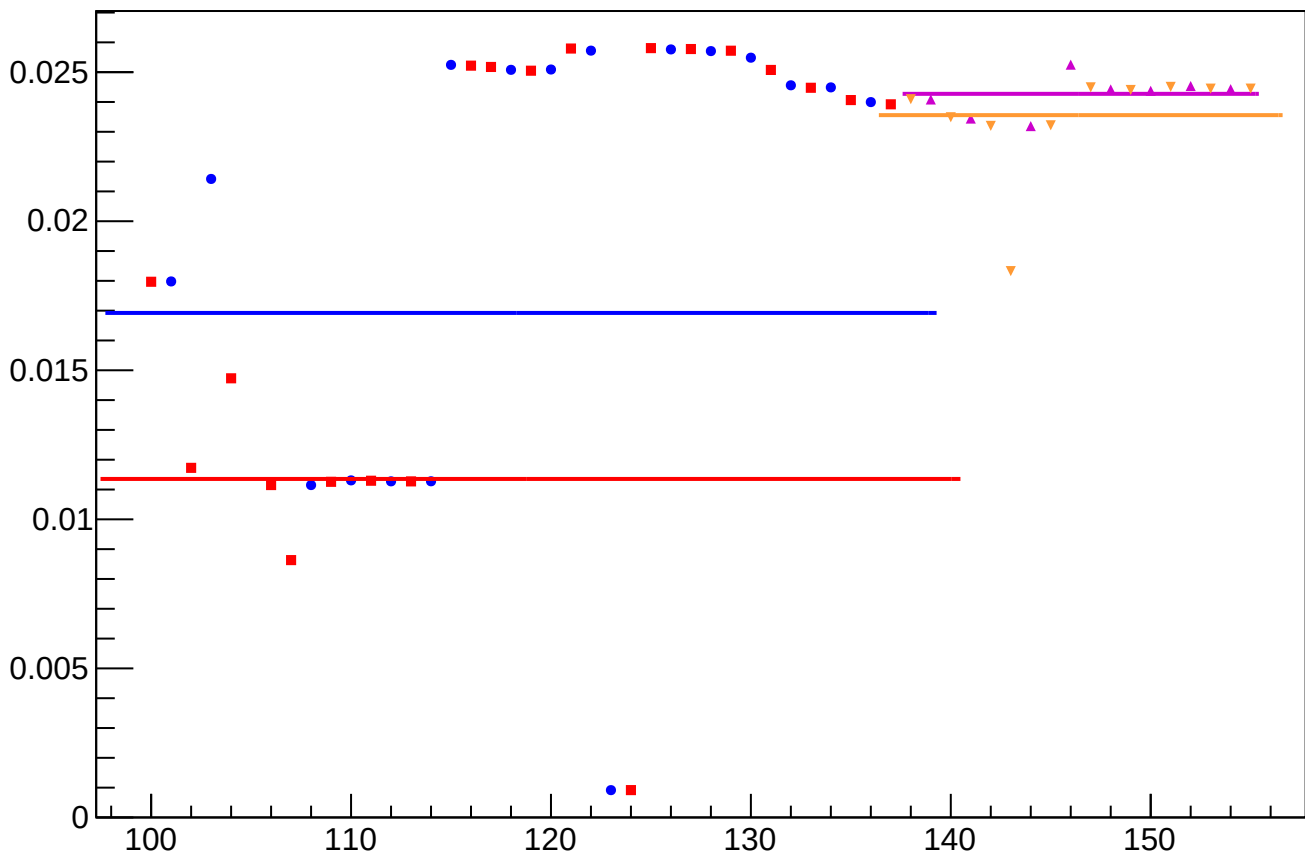
Left In: 0.057 $\pm$ 0.000 χ^2 /NDF:20344.1/7

0.057 $\pm$ 0.000 χ^2 /NDF: 32827.0/26

0.057 $\pm$ 0.000 χ^2 /NDF: 143575.0/54

0.057 $\pm$ 0.000 χ^2 /NDF: 110378.5/27

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: 4753454921.8/9

0.020 $\pm$ 0.000 χ^2 /NDF: 164671777981.2/26

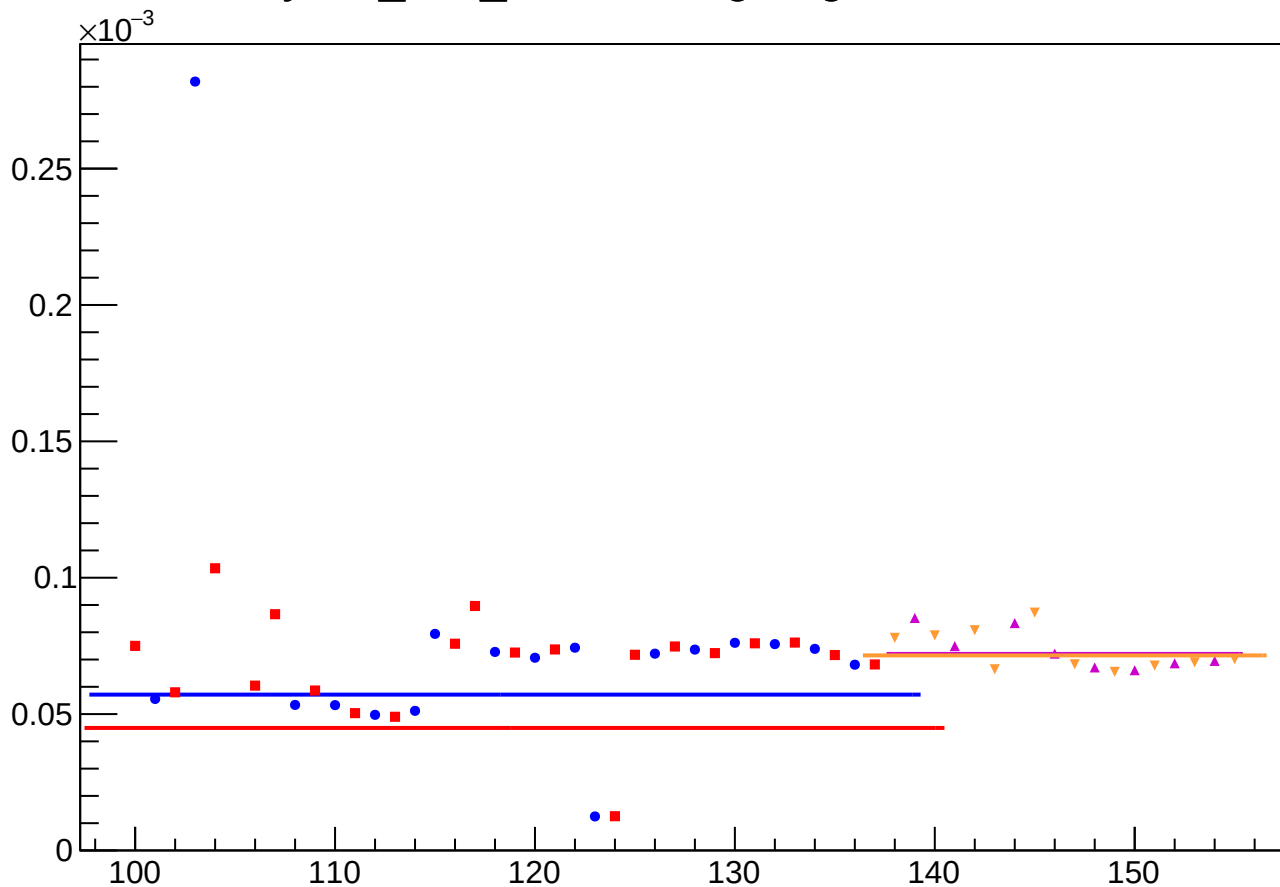
Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 235754579473.9/19

0.018 $\pm$ 0.000 χ^2 /NDF: 565978861756.0/10

0.016 $\pm$ 0.000 χ^2 /NDF: 372003043988.9/27

Left In: 0.024 $\pm$ 0.000 χ^2 /NDF: 410227666.3/7

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 : 112733.0/9

Right Out: 0.000+/-0.000 χ^2/NDF : 3613155.3/19

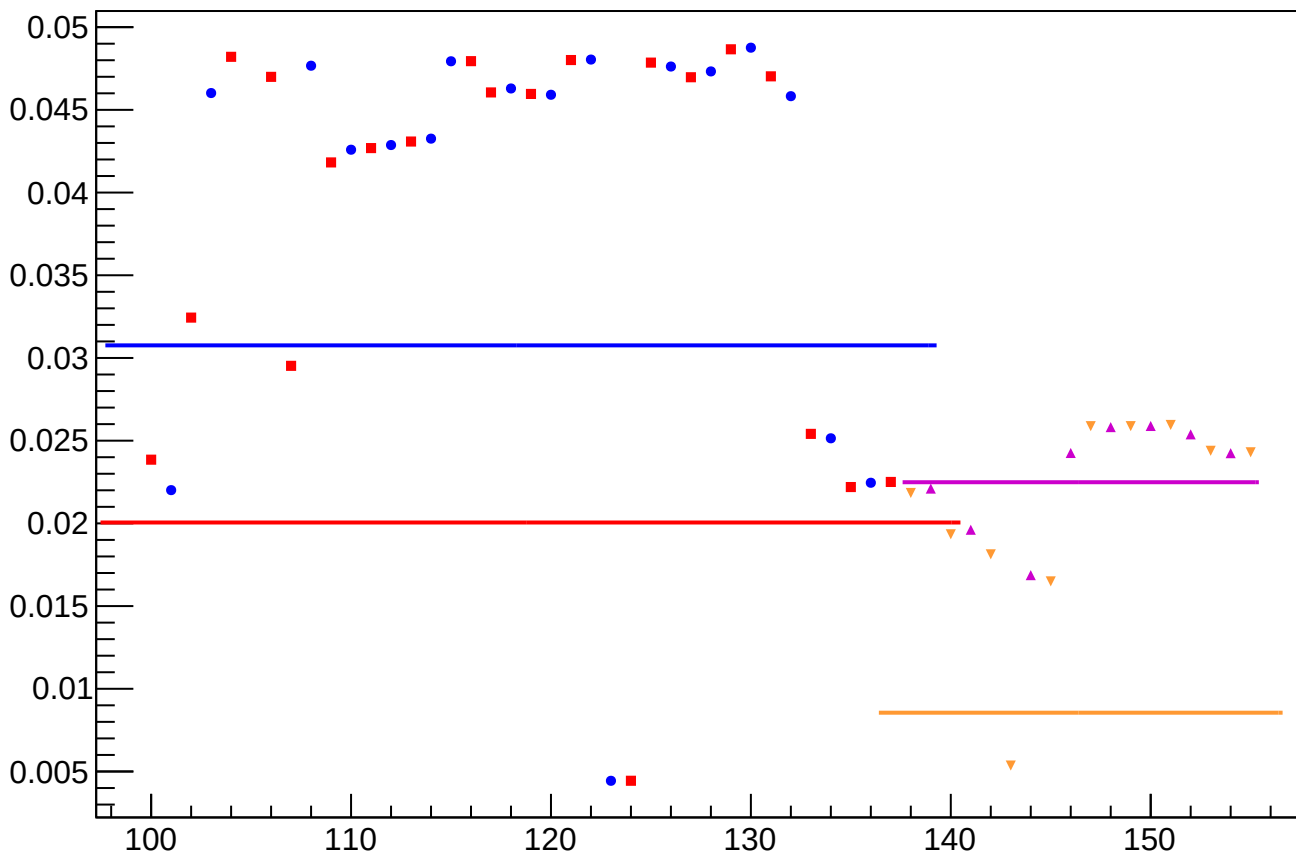
Left In: 0.000+/-0.000 χ^2/NDF : 95923.1/7

0.000+/-0.000 χ^2/NDF : 2427522.3/26

0.000+/-0.000 χ^2/NDF : 7637642.2/54

0.000+/-0.000 χ^2/NDF : 4907623.8/27

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 : 19961192920.1/9

Right Out: 0.020+/-0.000 χ^2/NDF : 40133684916.8/19

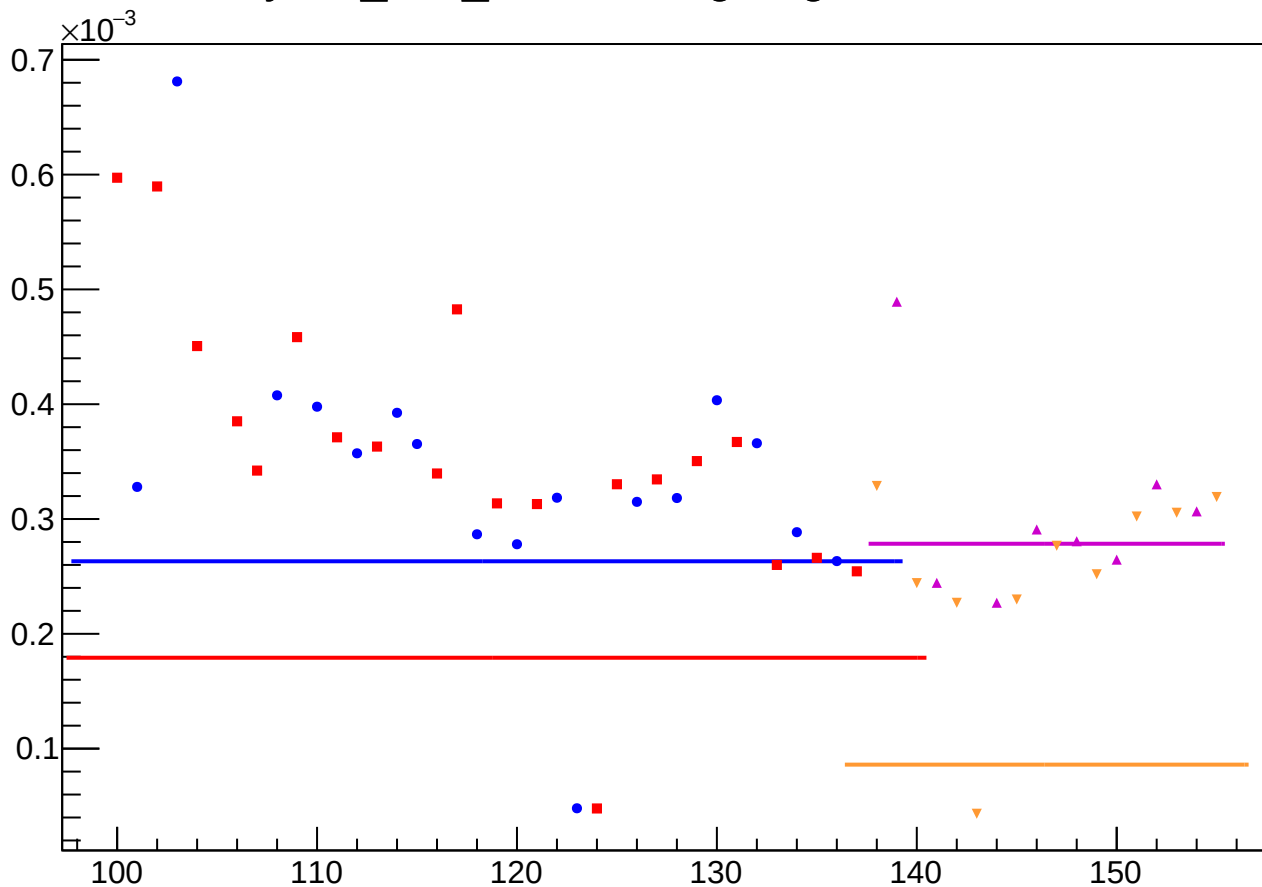
Left In: 0.022+/-0.000 χ^2/NDF : 925577262.2/7

0.012+/-0.000 χ^2/NDF : 71109113601.2/26

0.014+/-0.000 χ^2/NDF : 124486976495.1/27

0.021+/-0.000 χ^2/NDF : 41331009053.4/27

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 : 6973106.4/9

Right Out: 0.000+/-0.000 χ^2/NDF : 5374355.8/19

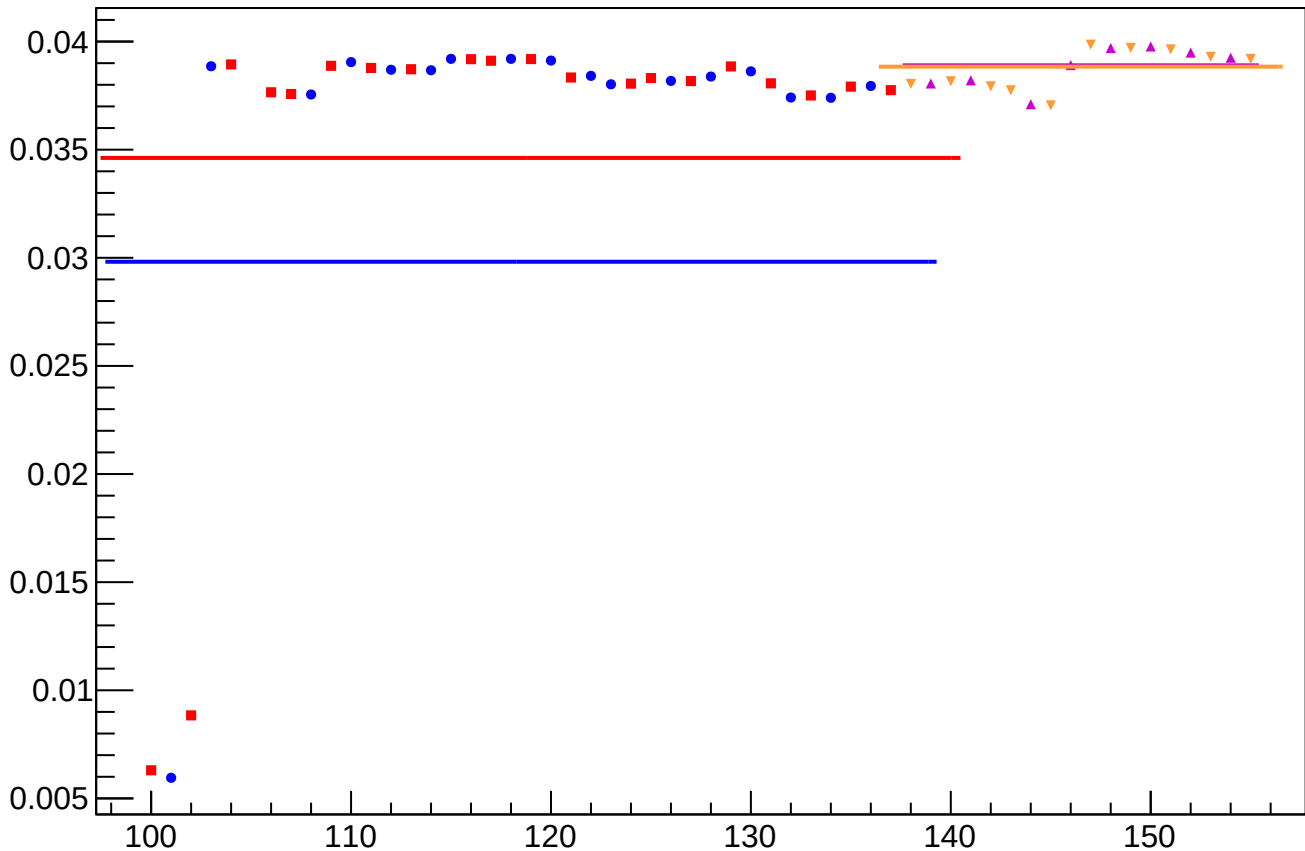
Left In: 0.000+/-0.000 χ^2/NDF : 426825.2/7

0.000+/-0.000 χ^2/NDF : 13187863.9/26

0.000+/-0.000 χ^2/NDF : 23065113.5/54

0.000+/-0.000 χ^2/NDF : 6704864.7/27

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 : 322411729.1/9

Right Out: 0.035 $\pm$ 0.000 χ^2/NDF : 43717644957.2/19

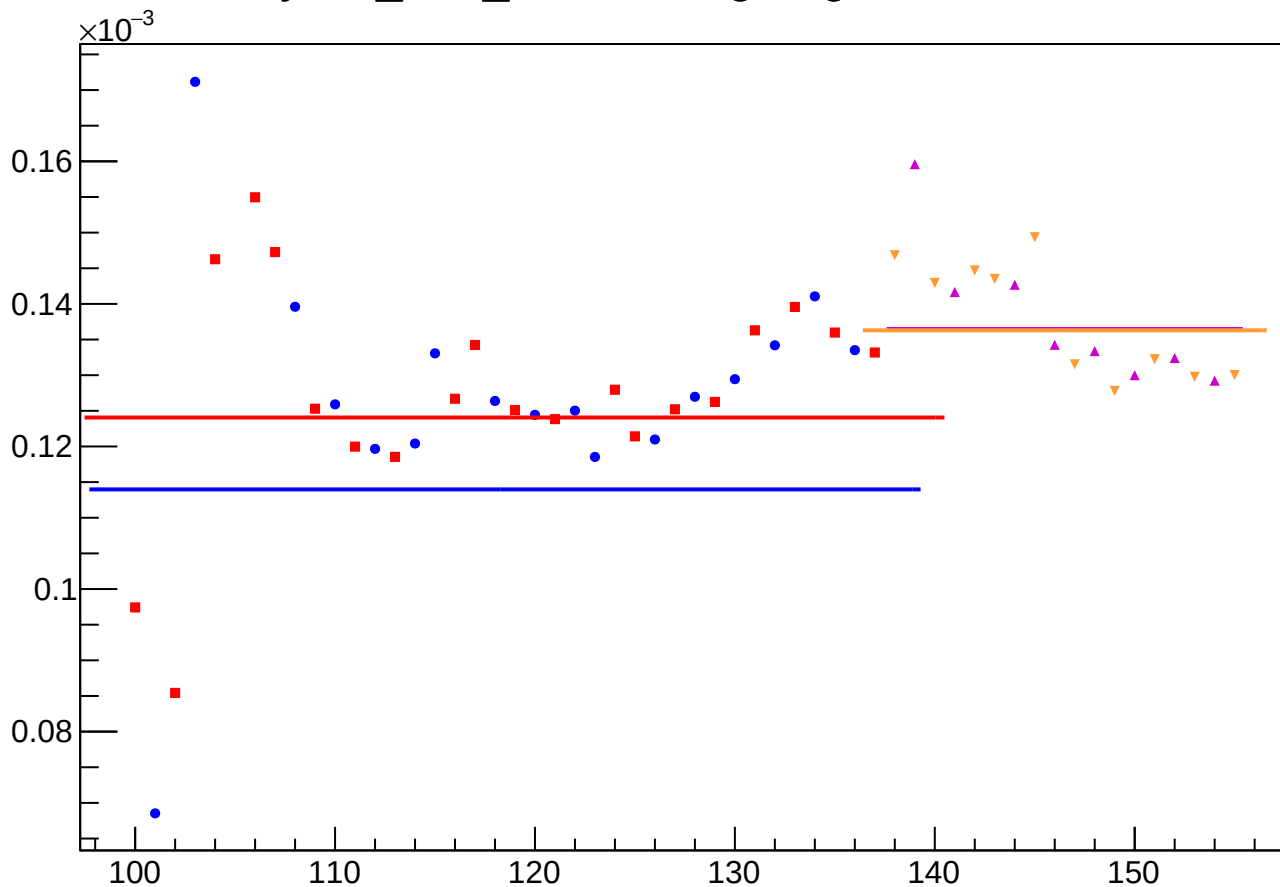
Left In: 0.039 $\pm$ 0.000 χ^2/NDF : 259003164.0/7

0.034 $\pm$ 0.000 χ^2/NDF : 114688856581.2/26

0.035 $\pm$ 0.000 χ^2/NDF : 165027400559.3/27

0.037 $\pm$ 0.000 χ^2/NDF : 47488295864.9/27

yield_atr1_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 794542.9/16

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 45787.0/9

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 245649.5/19

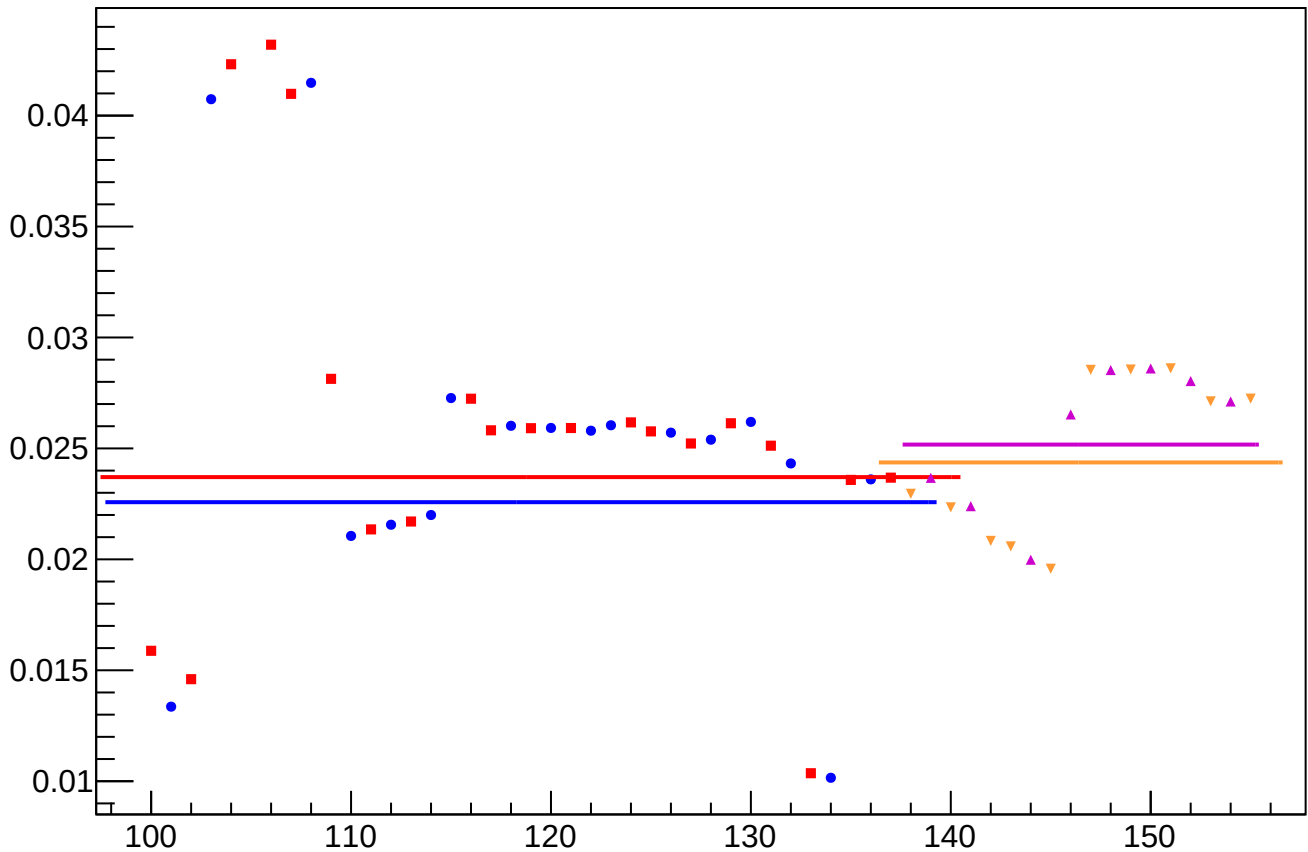
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 47504.3/7

0.000 $\pm$ 0.000 χ^2 /NDF: 1051027.9/26

0.000 $\pm$ 0.000 χ^2 /NDF: 1428316.3/54

0.000 $\pm$ 0.000 χ^2 /NDF: 352192.5/27

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: 1291244453.1/9

Right Out: 0.024 $\pm$ 0.000 χ^2 /NDF: 5652505580.7/19

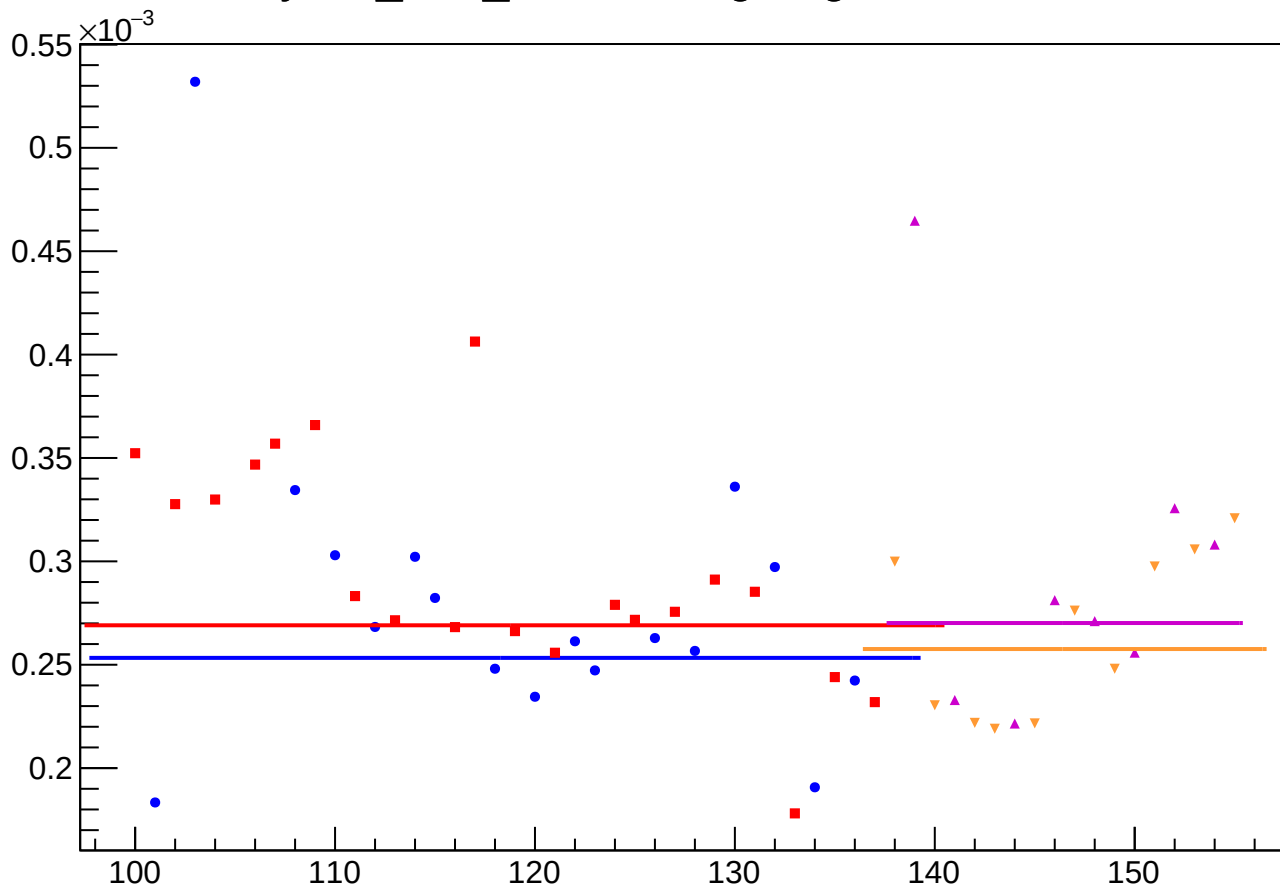
Left In: 0.025 $\pm$ 0.000 χ^2 /NDF: 911267649.5/7

0.024 $\pm$ 0.000 χ^2 /NDF: 5689217976.4/26

0.024 $\pm$ 0.000 χ^2 /NDF: 12415093481.9/5

0.024 $\pm$ 0.000 χ^2 /NDF: 6652811214.7/27

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 : 262623.2/9

Right Out: 0.000+/-0.000 χ^2/NDF : 437710.5/19

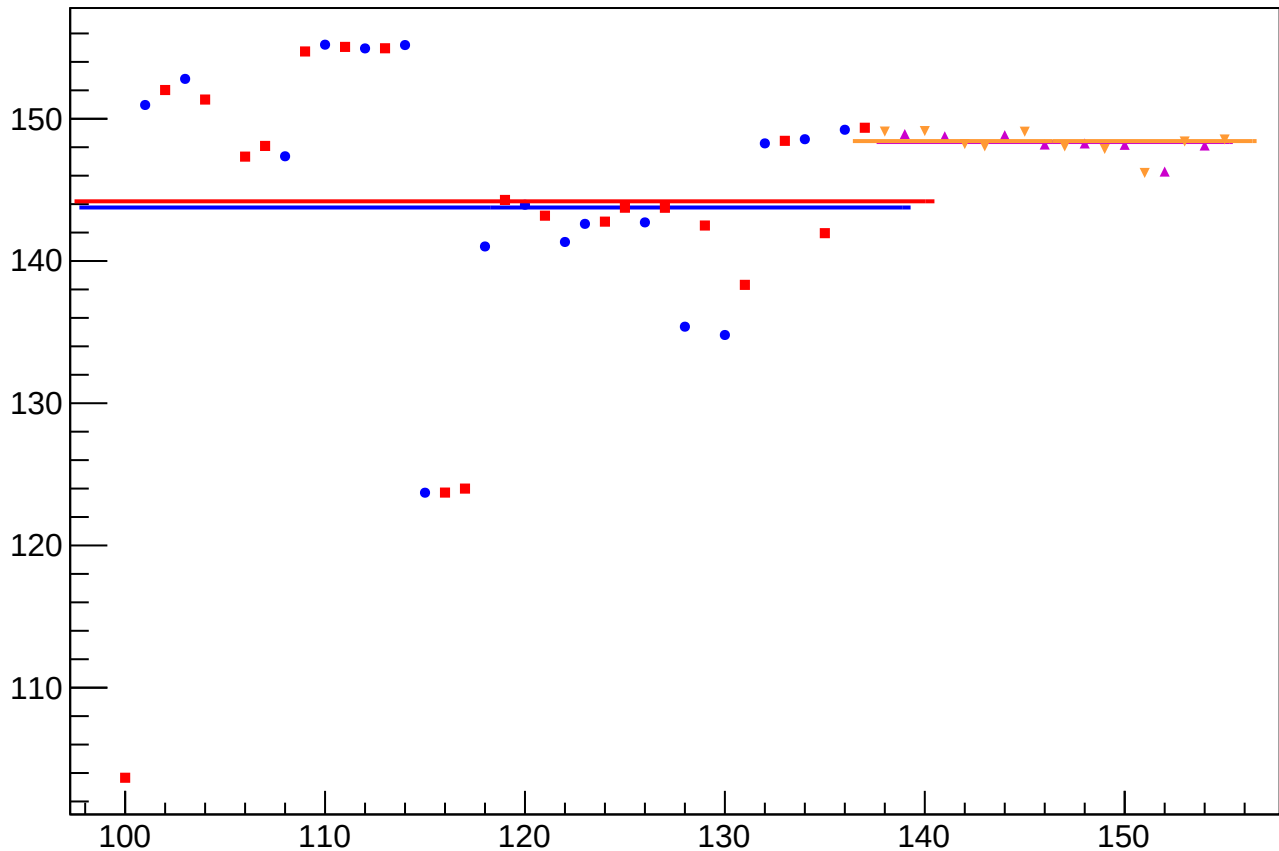
Left In: 0.000+/-0.000 χ^2/NDF : 435825.8/7

0.000+/-0.000 χ^2/NDF : 893493.5/26

0.000+/-0.000 χ^2/NDF : 1801962.1/54

0.000+/-0.000 χ^2/NDF : 873636.3/27

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.763 $\pm$ 0.000 χ^2 /NDF: 3534699505.1/16

Left Out: 148.432 $\pm$ 0.000 χ^2 /NDF: 30731523.5/9

Right Out: 144.197 $\pm$ 0.000 χ^2 /NDF: 4523139755.0/19

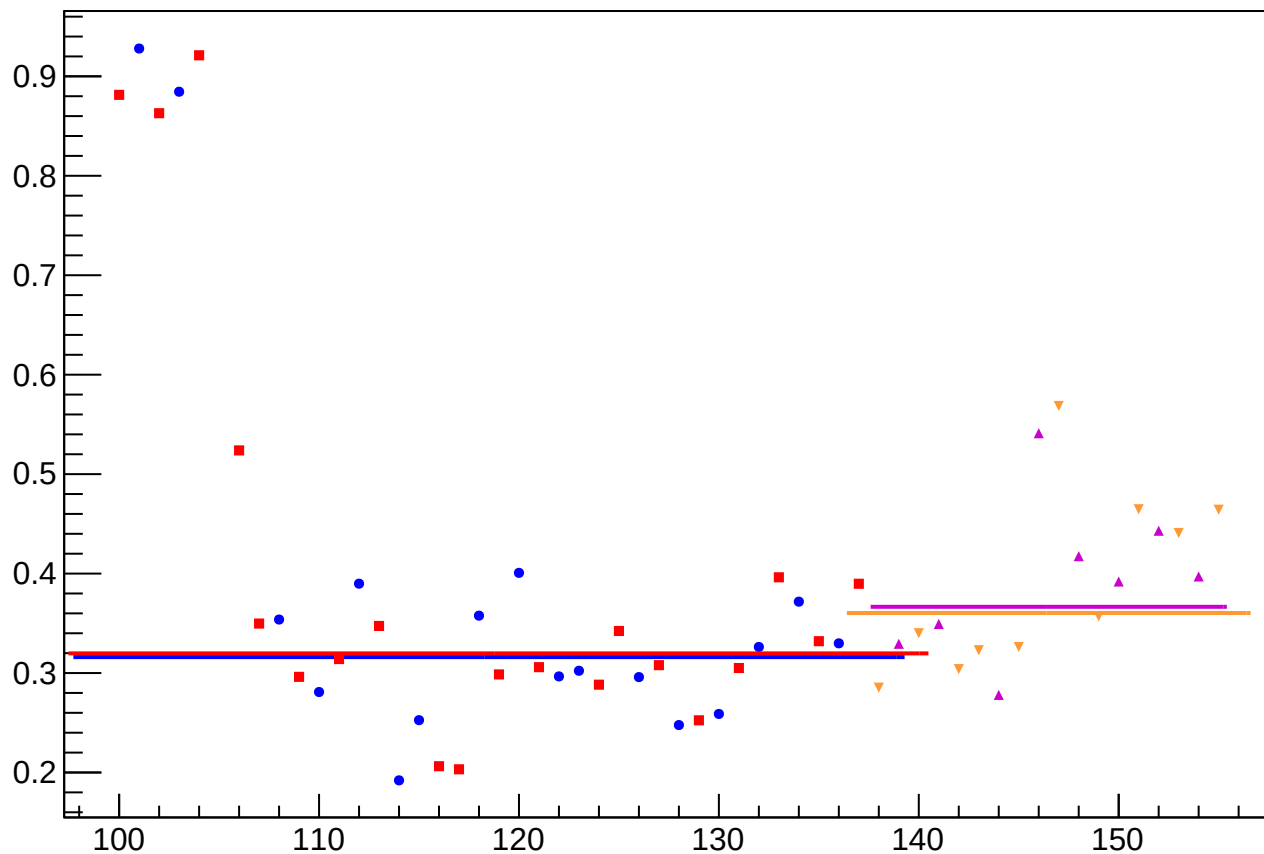
Left In: 148.365 $\pm$ 0.000 χ^2 /NDF: 23415671.2/7

146.022 $\pm$ 0.000 χ^2 /NDF: 4152016263.8/26

146.030 $\pm$ 0.000 χ^2 /NDF: 9139987961.9/

146.038 $\pm$ 0.000 χ^2 /NDF: 4987957330.5/27

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.316+/-0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.360+/-0.000 χ^2/NDF : 566276.9/9

Right Out: 0.320+/-0.000 χ^2/NDF : 1241752.3/19

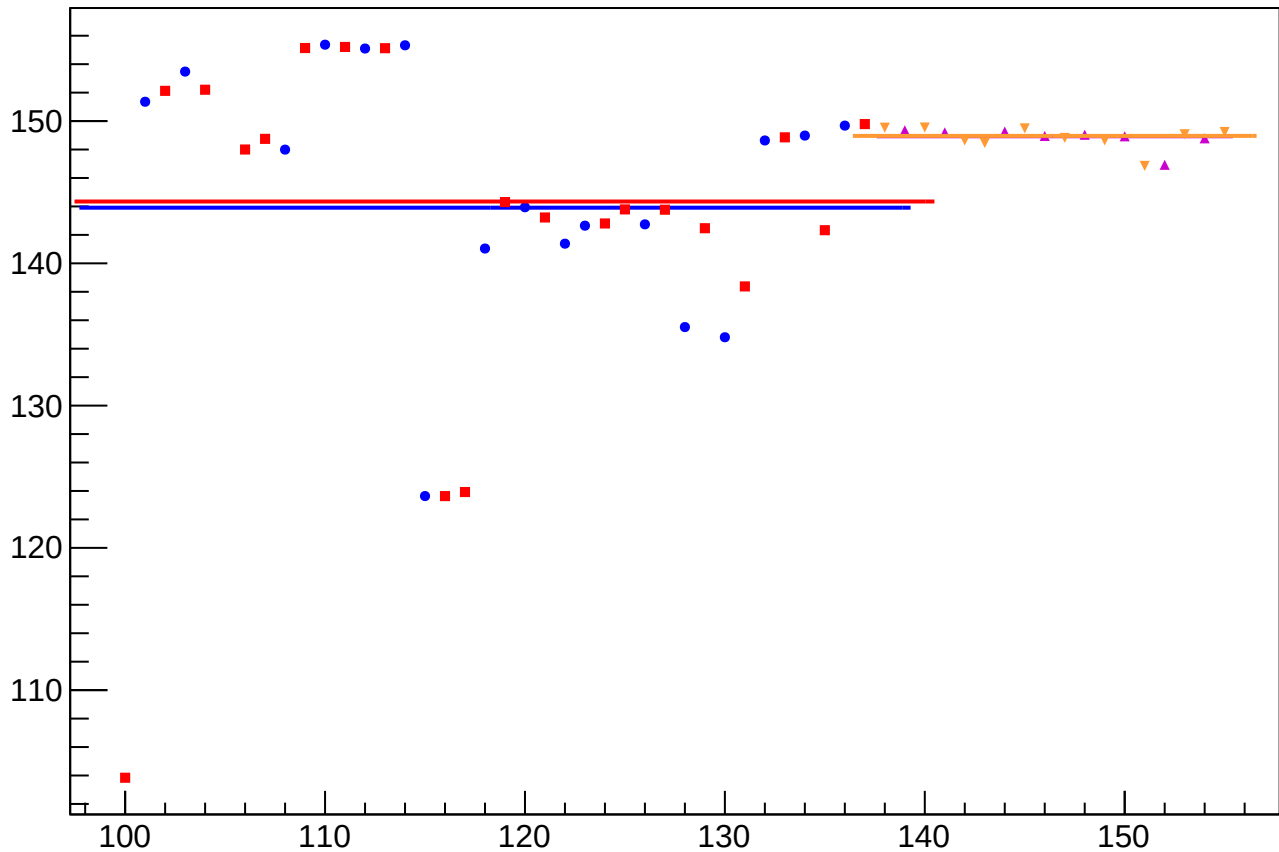
Left In: 0.367+/-0.000 χ^2/NDF : 441682.7/7

0.337+/-0.000 χ^2/NDF : 1937960.1/26

0.339+/-0.000 χ^2/NDF : 3733823.5/54

0.340+/-0.000 χ^2/NDF : 1794928.9/27

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 143.912 $\pm$ 0.000 χ^2 /NDF: 3587769790.2/16

Left Out: 148.959 $\pm$ 0.000 χ^2 /NDF: 24780455.1/9

Right Out: 144.347 $\pm$ 0.000 χ^2 /NDF: 4550581147.9/19

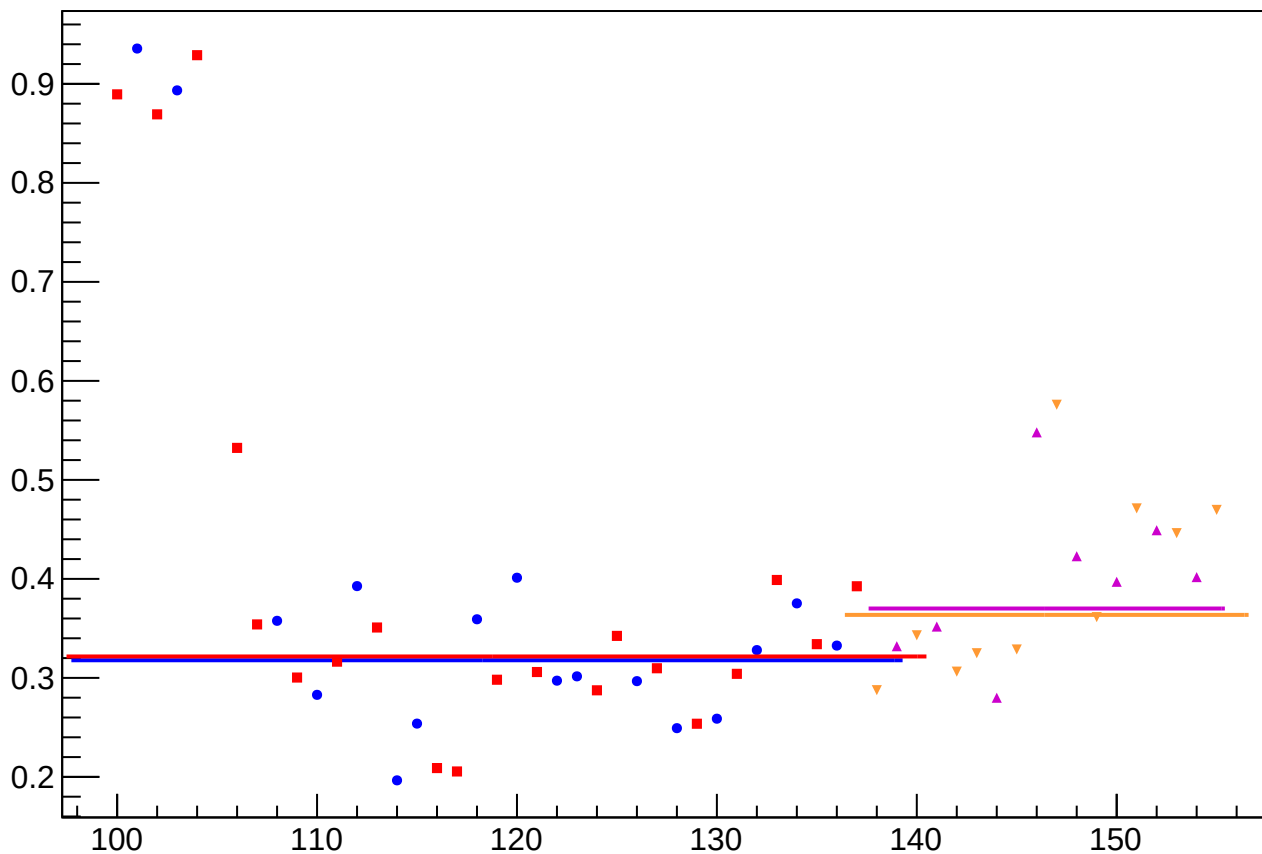
Left In: 148.932 $\pm$ 0.000 χ^2 /NDF: 18475813.4/7

146.344 $\pm$ 0.000 χ^2 /NDF: 4287464133.2/26

146.354 $\pm$ 0.000 χ^2 /NDF: 9381948256.5/27

146.363 $\pm$ 0.000 χ^2 /NDF: 5094465247.5/27

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.318+/-0.000 χ^2/NDF : 1268257.9/16

Left Out: 0.364+/-0.000 χ^2/NDF : 577148.0/9

Right Out: 0.322+/-0.000 χ^2/NDF : 1244304.0/19

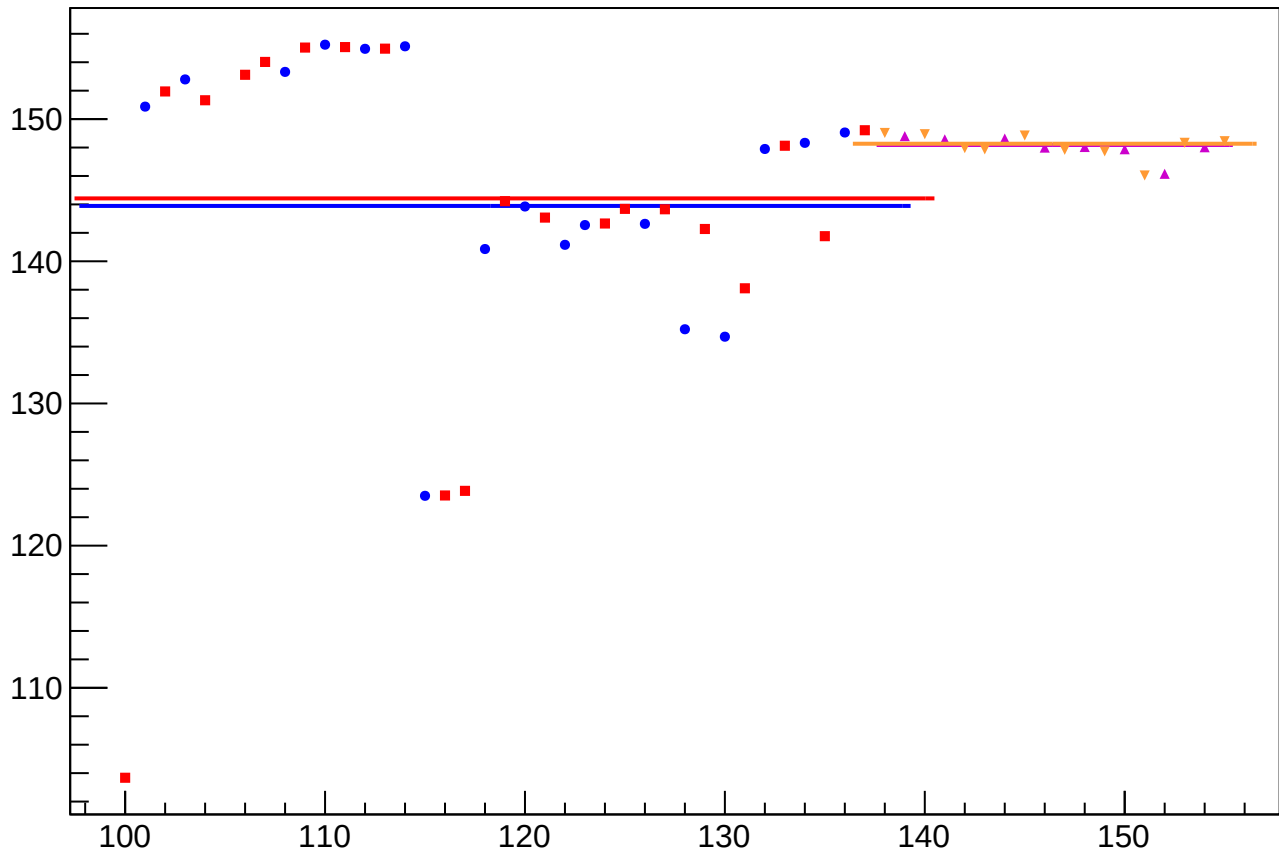
Left In: 0.370+/-0.000 χ^2/NDF : 452478.1/7

0.340+/-0.000 χ^2/NDF : 1956727.9/26

0.341+/-0.000 χ^2/NDF : 3771716.2/54

0.343+/-0.000 χ^2/NDF : 1814026.2/27

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.893 $\pm$ 0.000 χ^2/NDF : 3752655677.2/16

Left Out: 148.268 $\pm$ 0.000 χ^2/NDF : 30900479.6/9

Right Out: 144.423 $\pm$ 0.000 χ^2/NDF : 4819194675.6/19

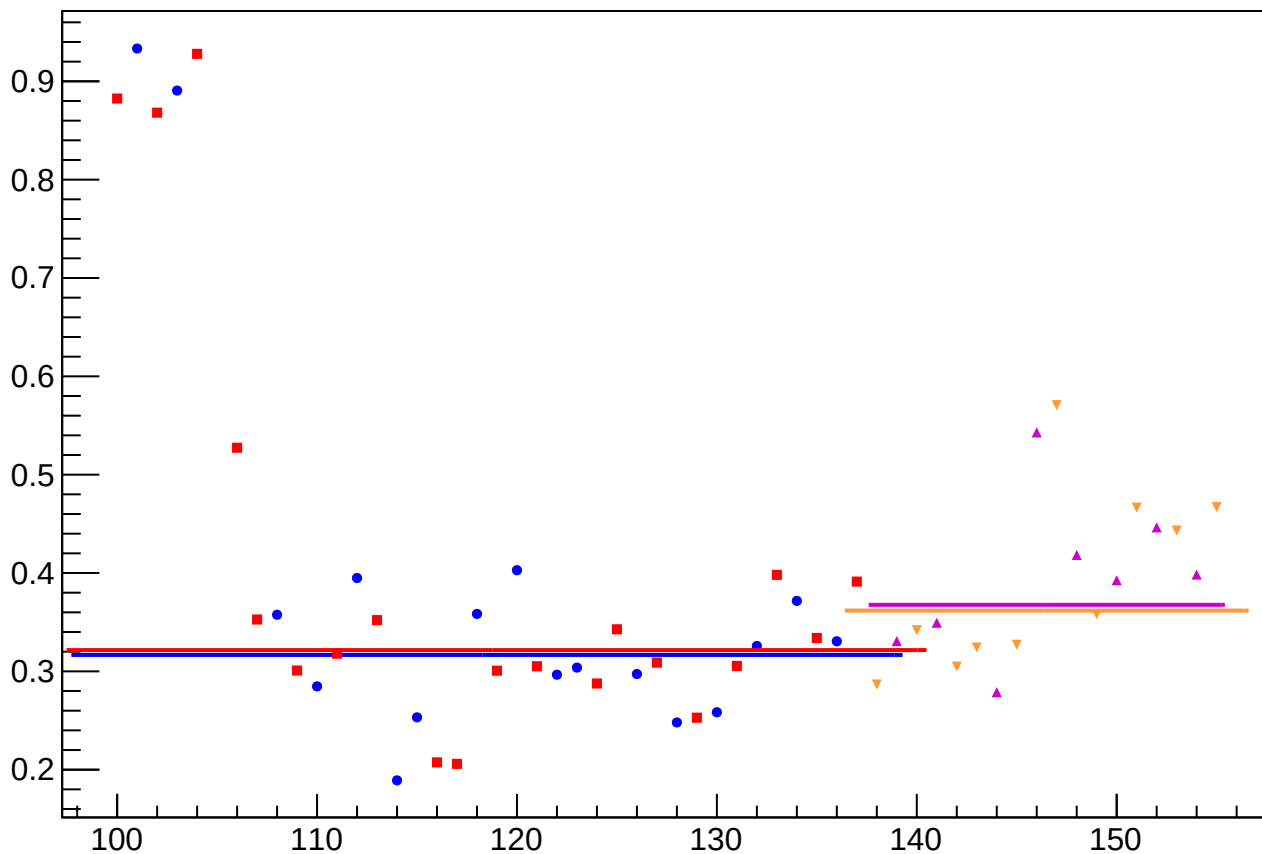
Left In: 148.179 $\pm$ 0.000 χ^2/NDF : 22626916.8/7

146.007 $\pm$ 0.000 χ^2/NDF : 4294709760.5/26

146.047 $\pm$ 0.000 χ^2/NDF : 9492284008.0/27

146.088 $\pm$ 0.000 χ^2/NDF : 5197237044.8/27

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1280358.6/16

Left Out: 0.362 $\pm$ 0.000 χ^2 /NDF: 567807.7/9

Right Out: 0.322 $\pm$ 0.000 χ^2 /NDF: 1244671.1/19

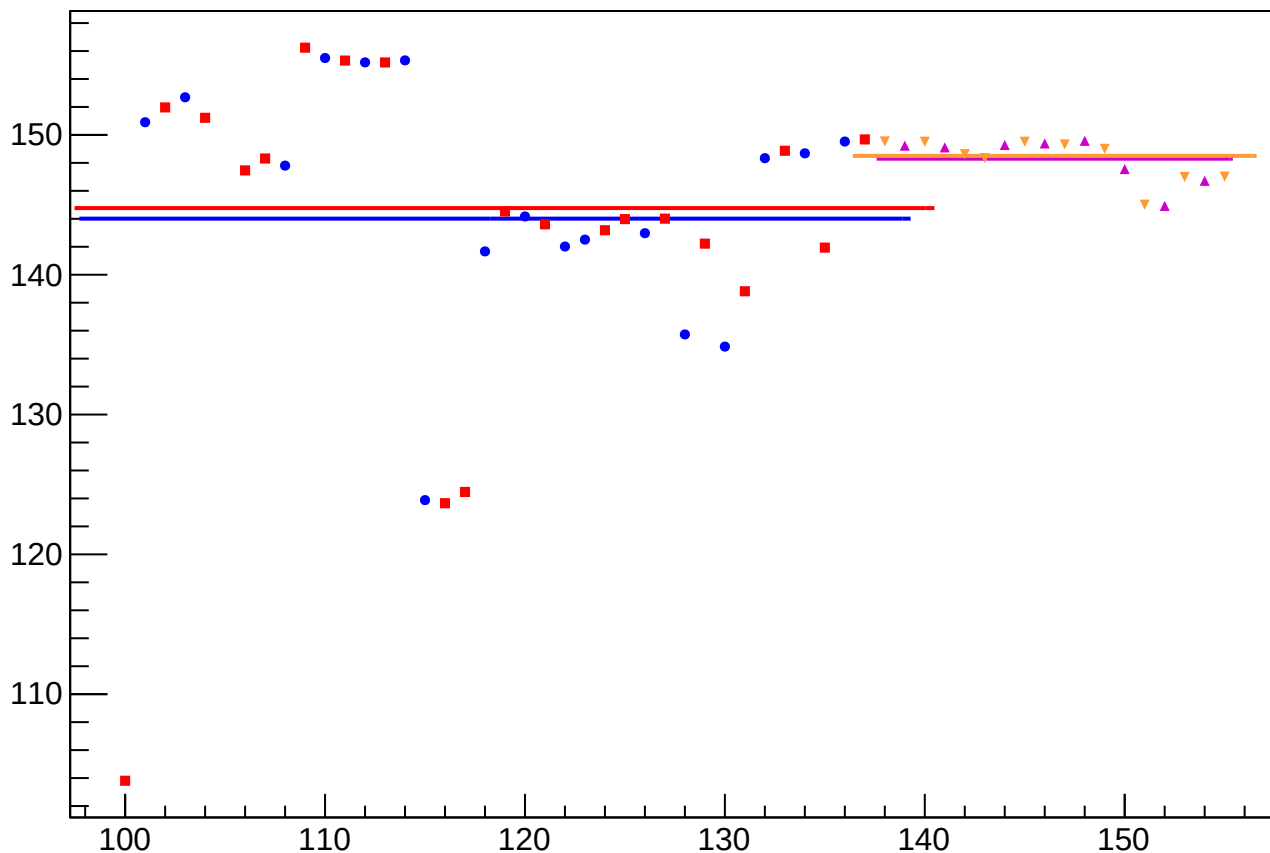
Left In: 0.368 $\pm$ 0.000 χ^2 /NDF: 443721.0/7

0.339 $\pm$ 0.000 χ^2 /NDF: 1956894.3/26

0.340 $\pm$ 0.000 χ^2 /NDF: 3753275.8/54

0.342 $\pm$ 0.000 χ^2 /NDF: 1795087.8/27

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.012 $\pm$ 0.000 χ^2/NDF : 3241696920.3/16

Left Out: 148.504 $\pm$ 0.000 χ^2/NDF : 80847038.3/9

Right Out: 144.767 $\pm$ 0.000 χ^2/NDF : 4097482970.1/19

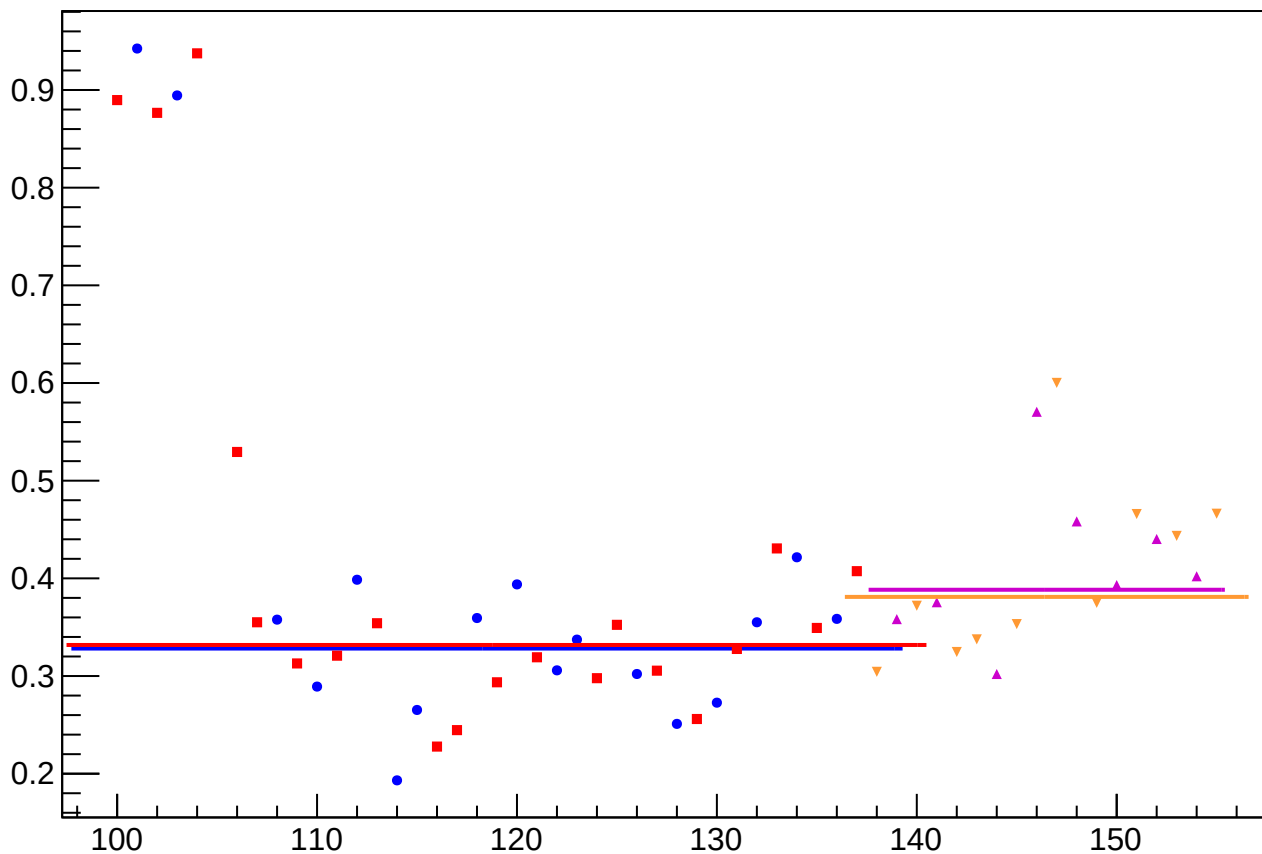
Left In: 148.300 $\pm$ 0.000 χ^2/NDF : 87287935.6/7

146.151 $\pm$ 0.000 χ^2/NDF : 3815490492.3/26

146.222 $\pm$ 0.000 χ^2/NDF : 8289482169.5/27

146.295 $\pm$ 0.000 χ^2/NDF : 4472988533.8/27

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.328 $\pm$ 0.000 χ^2/NDF : 1265892.9/16

Left Out: 0.381 $\pm$ 0.000 χ^2/NDF : 470999.0/9

Right Out: 0.332 $\pm$ 0.000 χ^2/NDF : 1194167.8/19

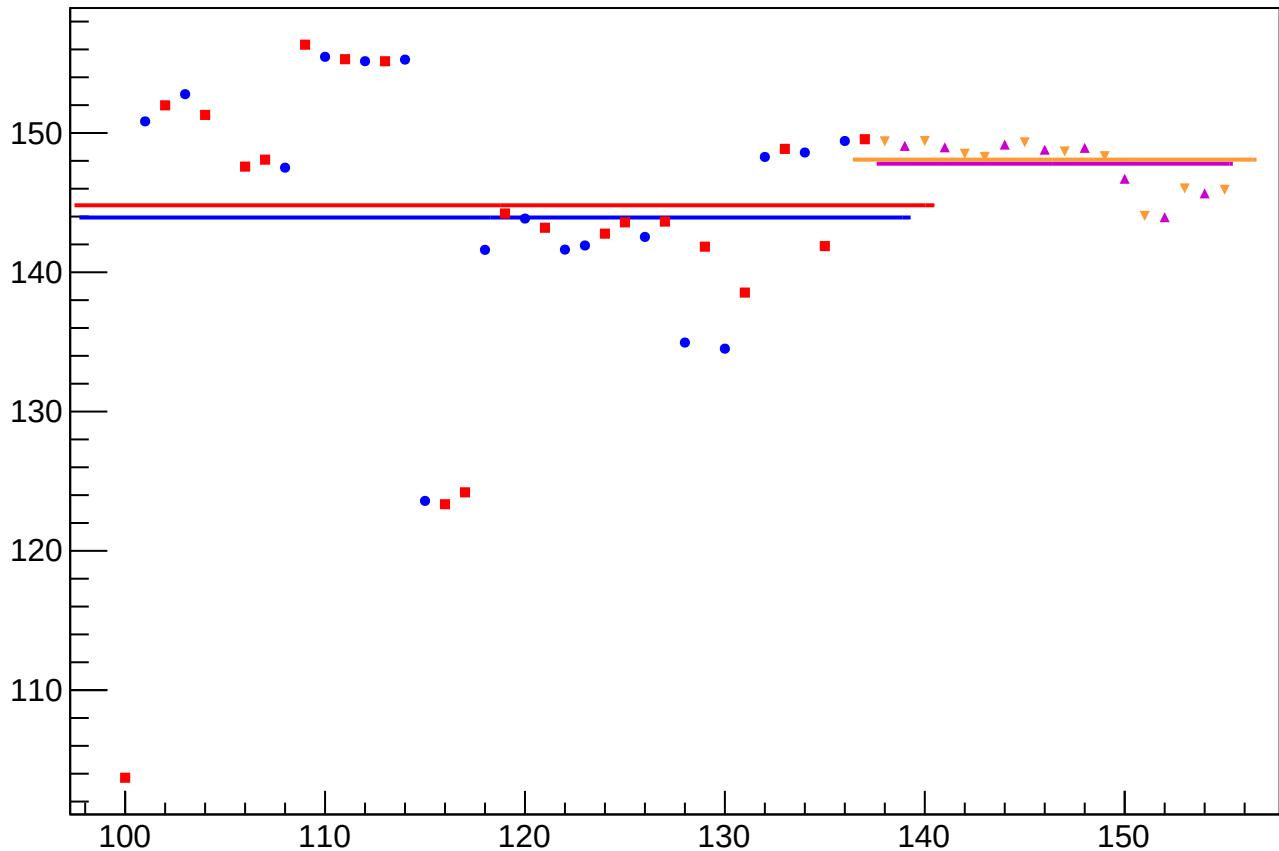
Left In: 0.388 $\pm$ 0.000 χ^2/NDF : 365793.5/7

0.353 $\pm$ 0.000 χ^2/NDF : 1873579.4/26

0.355 $\pm$ 0.000 χ^2/NDF : 3582016.8/54

0.356 $\pm$ 0.000 χ^2/NDF : 1707609.5/27

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 143.932 +/- 0.000 χ^2/NDF : 3383012861.2/16

Left Out: 148.088 +/- 0.000 χ^2/NDF : 122752708.8/9

Right Out: 144.809 +/- 0.000 χ^2/NDF : 4138041955.6/19

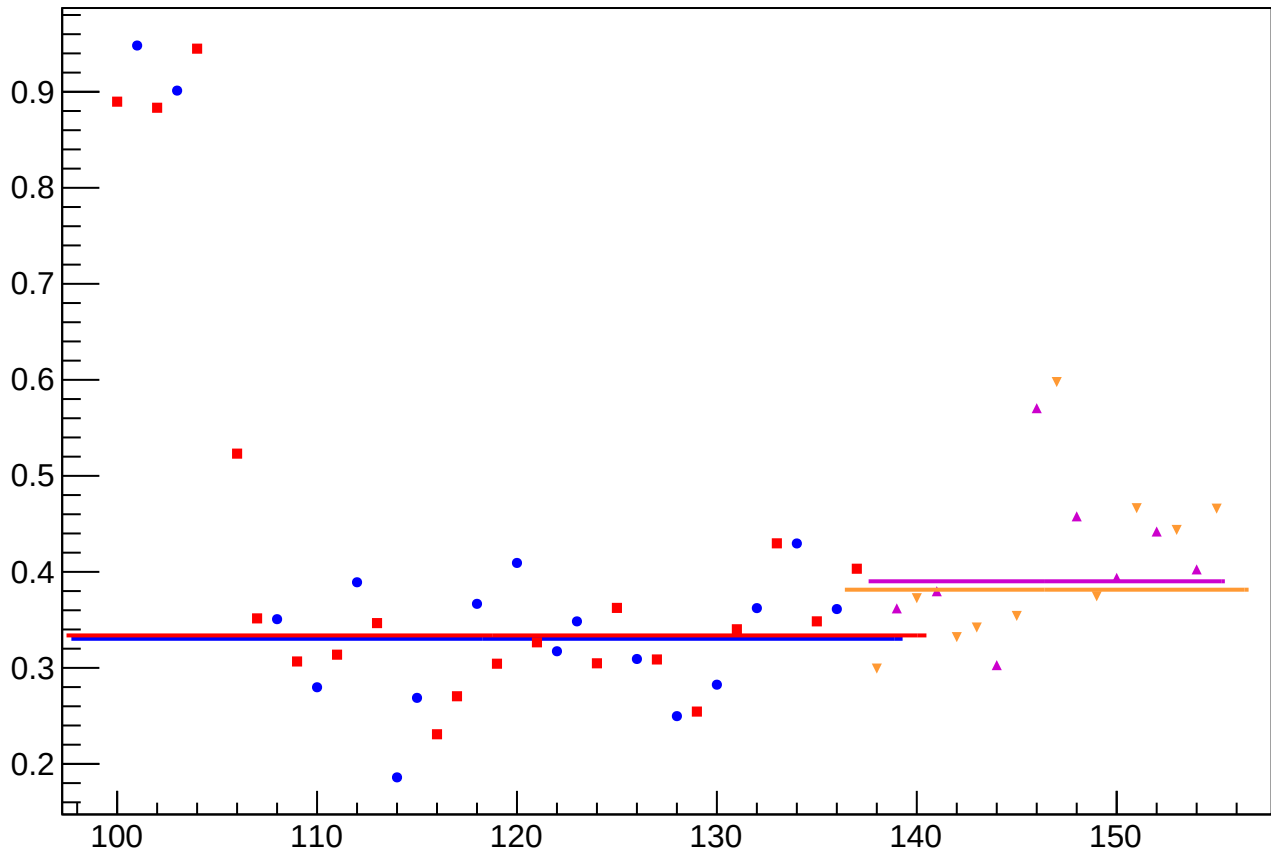
Left In: 147.795 +/- 0.000 χ^2/NDF : 128114847.7/7

145.924 +/- 0.000 χ^2/NDF : 3923353962.2/26

146.011 +/- 0.000 χ^2/NDF : 8394327029.2/27

146.101 +/- 0.000 χ^2/NDF : 4469480359.8/27

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.330+/-0.000 χ^2/NDF : 1283955.7/16

Left Out: 0.381+/-0.000 χ^2/NDF : 470730.2/9

Right Out: 0.334+/-0.000 χ^2/NDF : 1177889.1/19

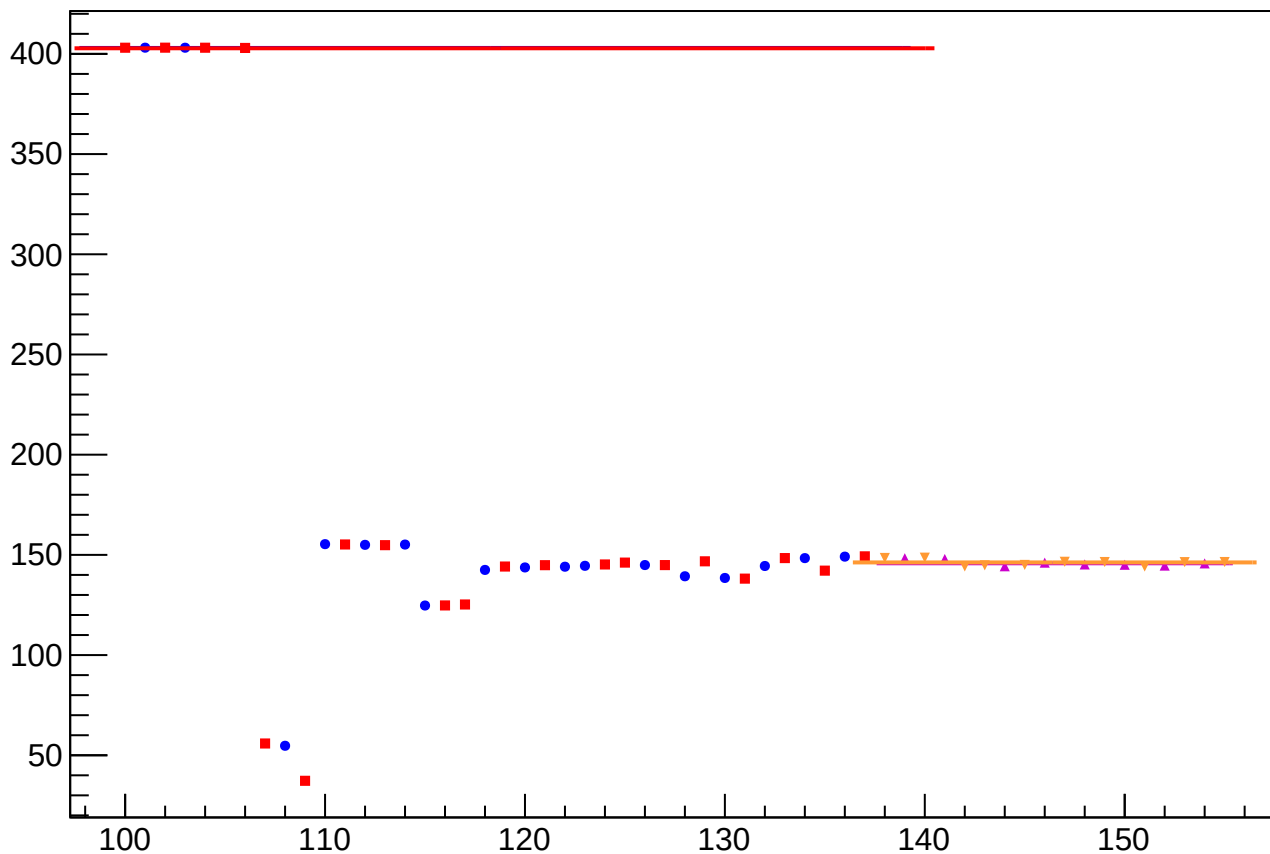
Left In: 0.390+/-0.000 χ^2/NDF : 358436.1/7

0.355+/-0.000 χ^2/NDF : 1881066.7/26

0.356+/-0.000 χ^2/NDF : 3563456.6/54

0.358+/-0.000 χ^2/NDF : 1681295.5/27

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.958 +/- 0.000 χ^2/NDF : 1094364588383.4/16

Left Out: 146.235 +/- 0.000 χ^2/NDF : 30441685.8/9

Right Out: 402.797 +/- 0.000 χ^2/NDF : 3120897866993.6/19

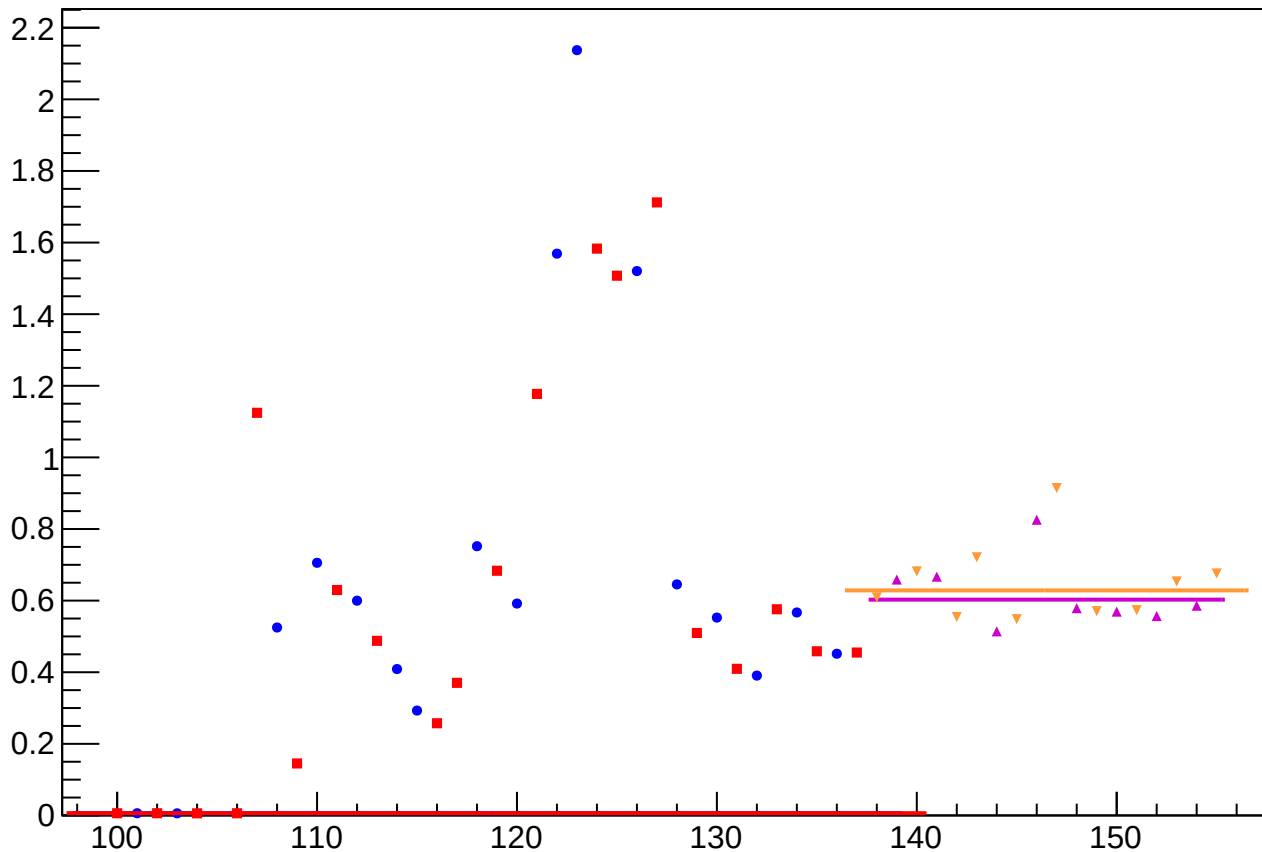
Left In: 145.806 +/- 0.000 χ^2/NDF : 23720215.4/7

402.857 +/- 0.000 χ^2/NDF : 1895797360127.0/20

402.779 +/- 0.000 χ^2/NDF : 580947789818

402.709 +/- 0.000 χ^2/NDF : 3913318317442.0/27

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006 $\pm$ 0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.629 $\pm$ 0.000 χ^2/NDF : 175293.2/9

Right Out: 0.006 $\pm$ 0.000 χ^2/NDF : 9258244.0/19

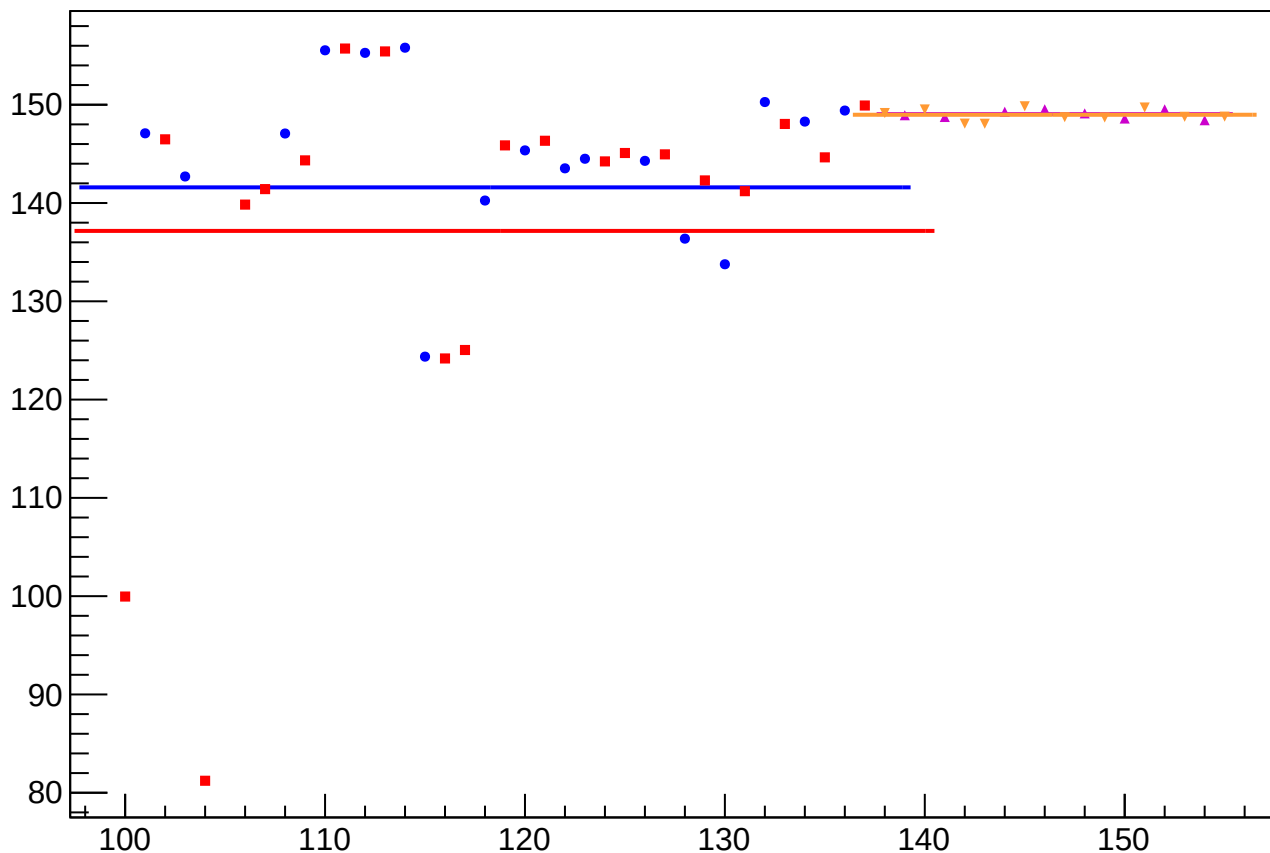
Left In: 0.603 $\pm$ 0.000 χ^2/NDF : 142629.0/7

0.007 $\pm$ 0.000 χ^2/NDF : 18670559.5/26

0.007 $\pm$ 0.000 χ^2/NDF : 36607591.3/54

0.007 $\pm$ 0.000 χ^2/NDF : 17936956.3/27

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.593 ± 0.000 χ^2/NDF : 980101868.2/16

Left Out: 148.980 ± 0.000 χ^2/NDF : 8504536.5/9

Right Out: 137.162 ± 0.000 χ^2/NDF : 1366089515.6/19

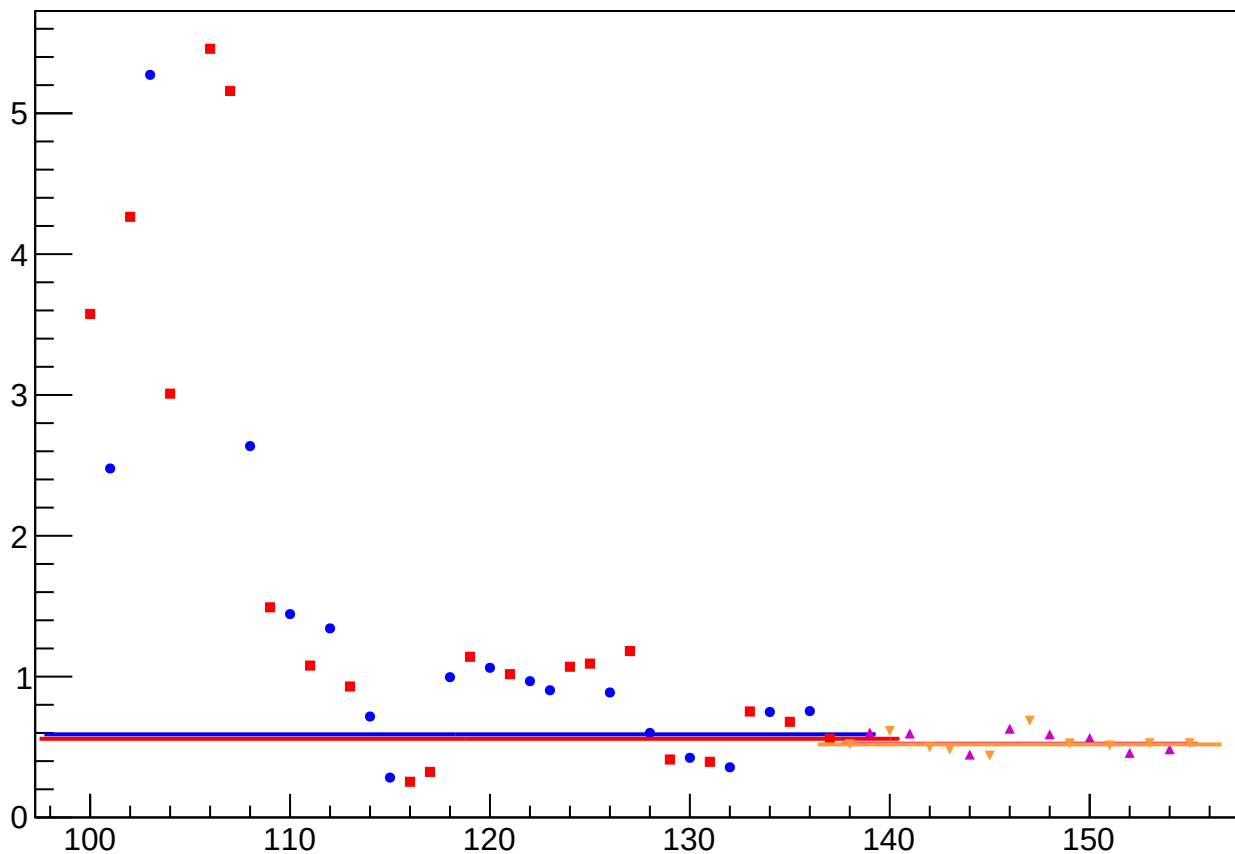
Left In: 149.046 ± 0.000 χ^2/NDF : 3587787.6/7

146.719 ± 0.000 χ^2/NDF : 1370832037.2/26

145.815 ± 0.000 χ^2/NDF : 3797275037.6/27

144.854 ± 0.000 χ^2/NDF : 2370843845.7/27

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 : 163834.6/9

Right Out: 0.559+/-0.000 χ^2/NDF : 4721291.1/19

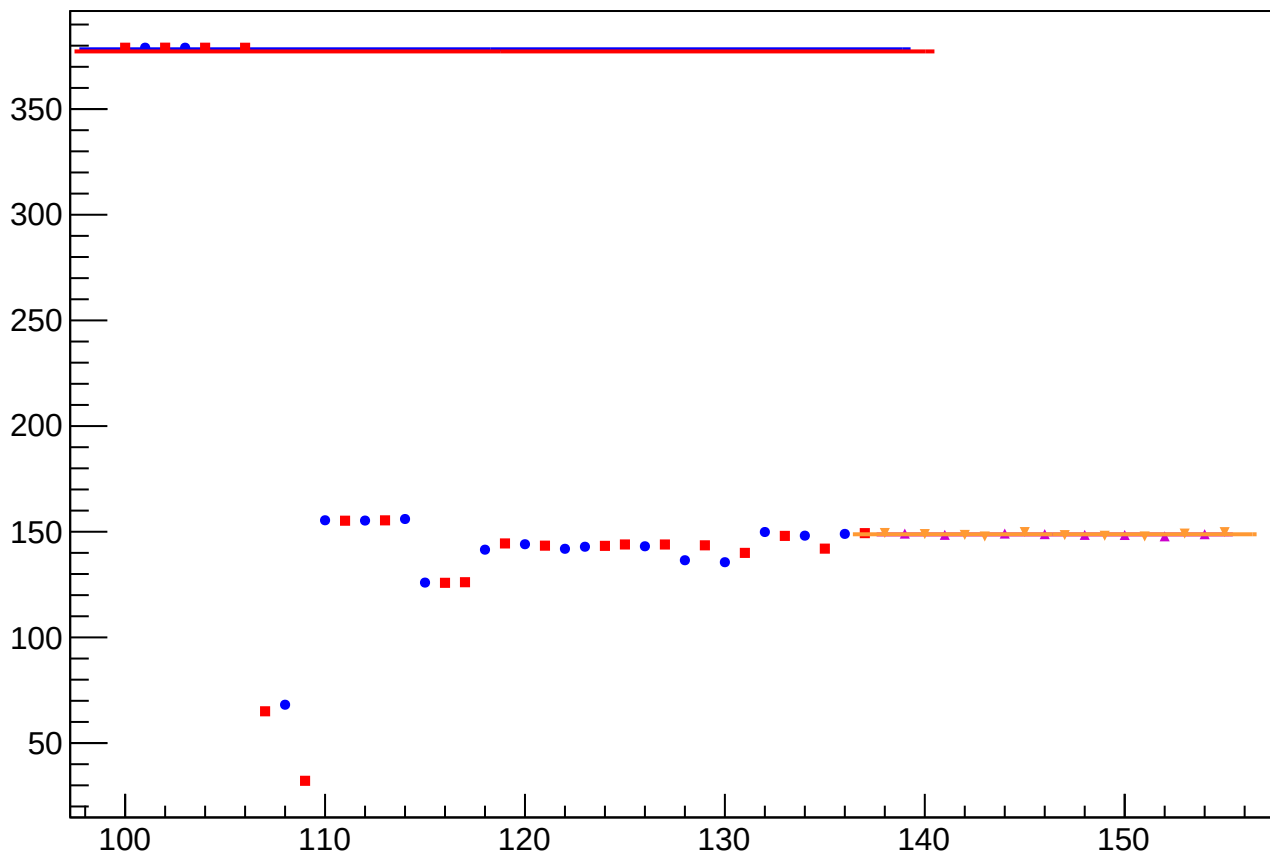
Left In: 0.524+/-0.000 χ^2/NDF : 188212.7/7

0.541+/-0.000 χ^2/NDF : 3727396.1/26

0.538+/-0.000 χ^2/NDF : 8655085.9/54

0.536+/-0.000 χ^2/NDF : 4926999.8/27

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.283+/-0.000 χ^2/NDF : 2508313421453.8/16

Left Out: 148.798+/-0.000 χ^2/NDF : 22771109.7/9

Right Out: 377.280+/-0.000 χ^2/NDF : 8313240281527.9/19

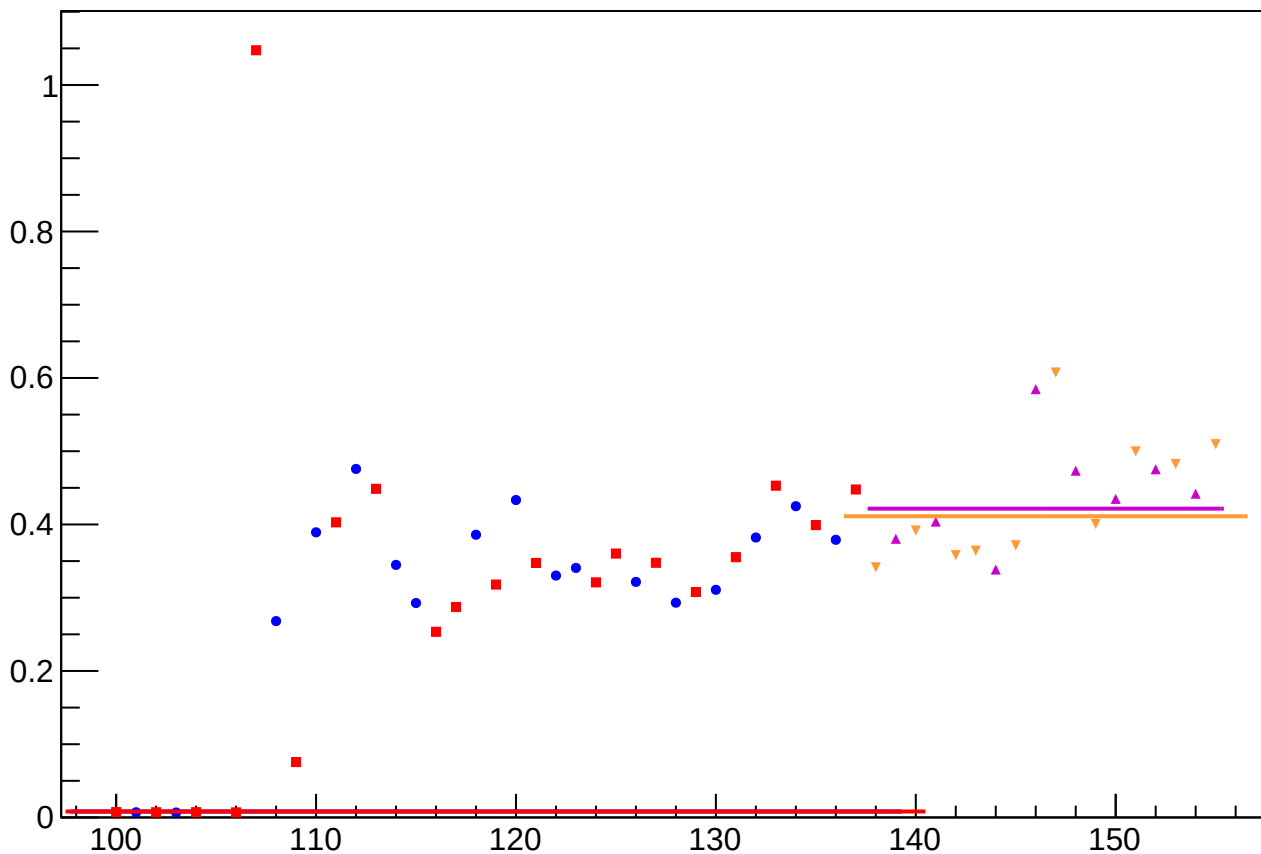
Left In: 148.726+/-0.000 χ^2/NDF : 5474074.9/7

377.583+/-0.000 χ^2/NDF : 4645220218551.4/20

377.141+/-0.000 χ^2/NDF : 147916718463

376.753+/-0.000 χ^2/NDF : 10141548973917.3/21

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 9806719.4/16

Left Out: 0.411 $\pm$ 0.000 χ^2 /NDF: 412769.1/9

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 9589375.6/19

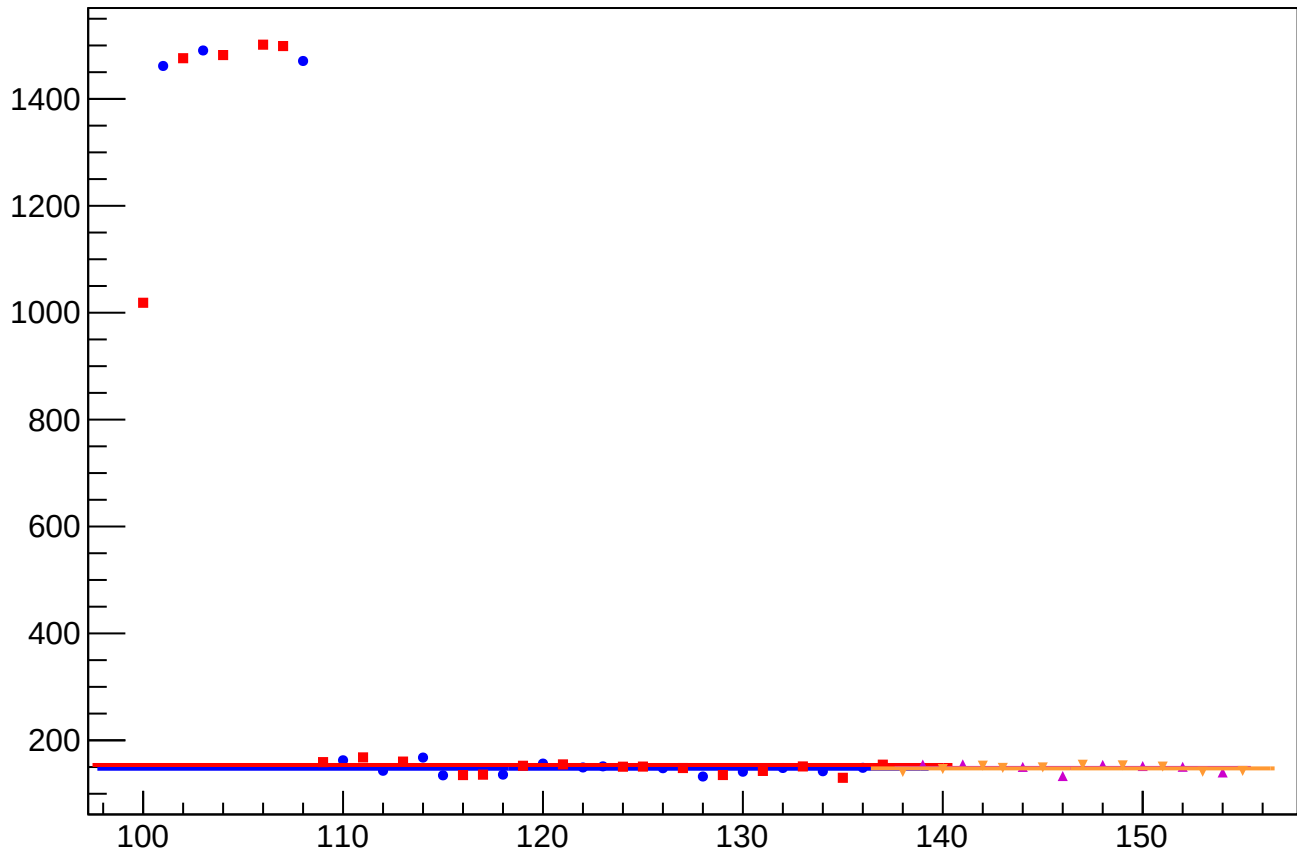
Left In: 0.422 $\pm$ 0.000 χ^2 /NDF: 288849.7/7

0.009 $\pm$ 0.000 χ^2 /NDF: 23406222.9/26

0.009 $\pm$ 0.000 χ^2 /NDF: 45250935.8/54

0.009 $\pm$ 0.000 χ^2 /NDF: 21843877.4/27

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.819+/-0.000 χ^2/NDF : 24360774977.7/16

Left Out: 147.456+/-0.000 χ^2/NDF : 182552239.8/9

Right Out: 153.832+/-0.000 χ^2/NDF : 33744235949.2/19

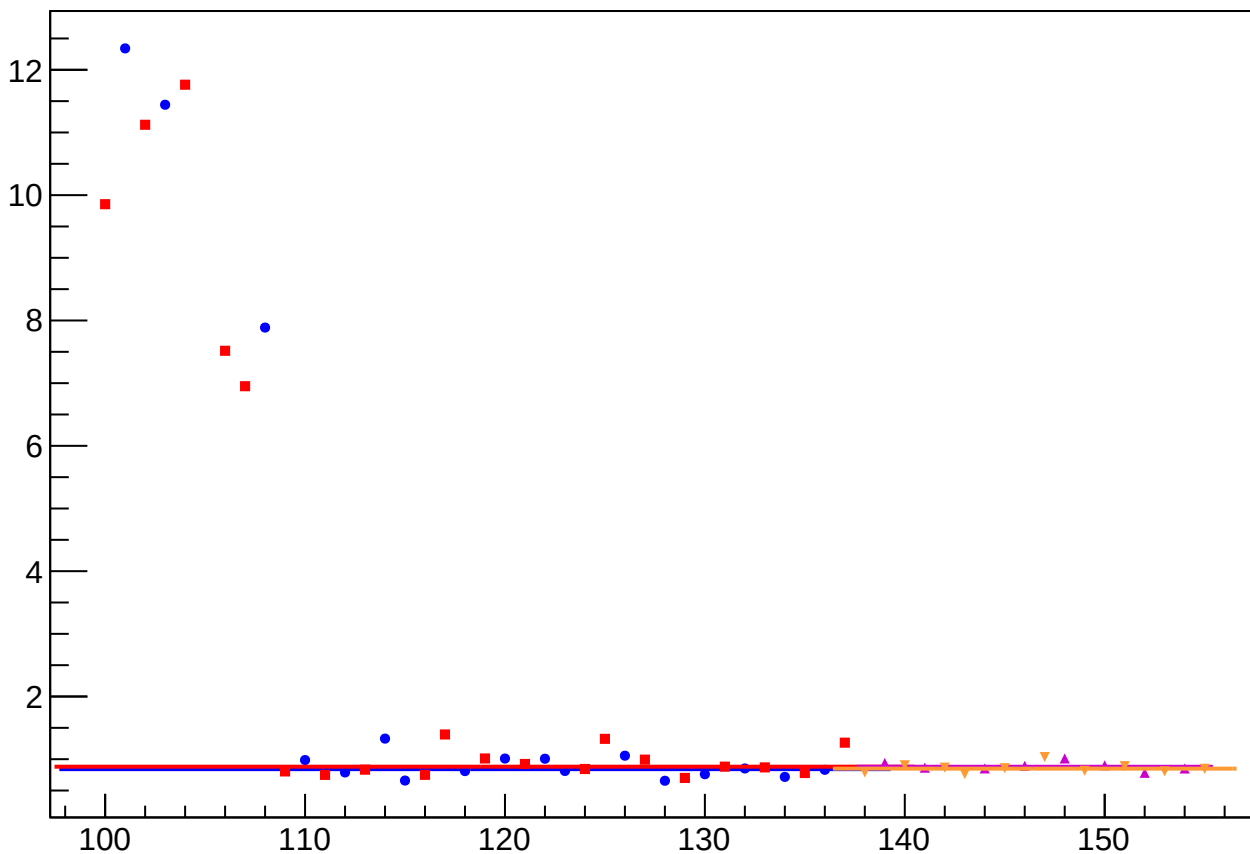
Left In: 148.337+/-0.000 χ^2/NDF : 365481037.1/7

147.199+/-0.000 χ^2/NDF : 24544615956.5/26

148.895+/-0.000 χ^2/NDF : 58823826307.6

150.753+/-0.000 χ^2/NDF : 34199514870.3/27

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.841+/-0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.849+/-0.000 χ^2/NDF : 74276.8/9

Right Out: 0.880+/-0.000 χ^2/NDF : 2825356.7/19

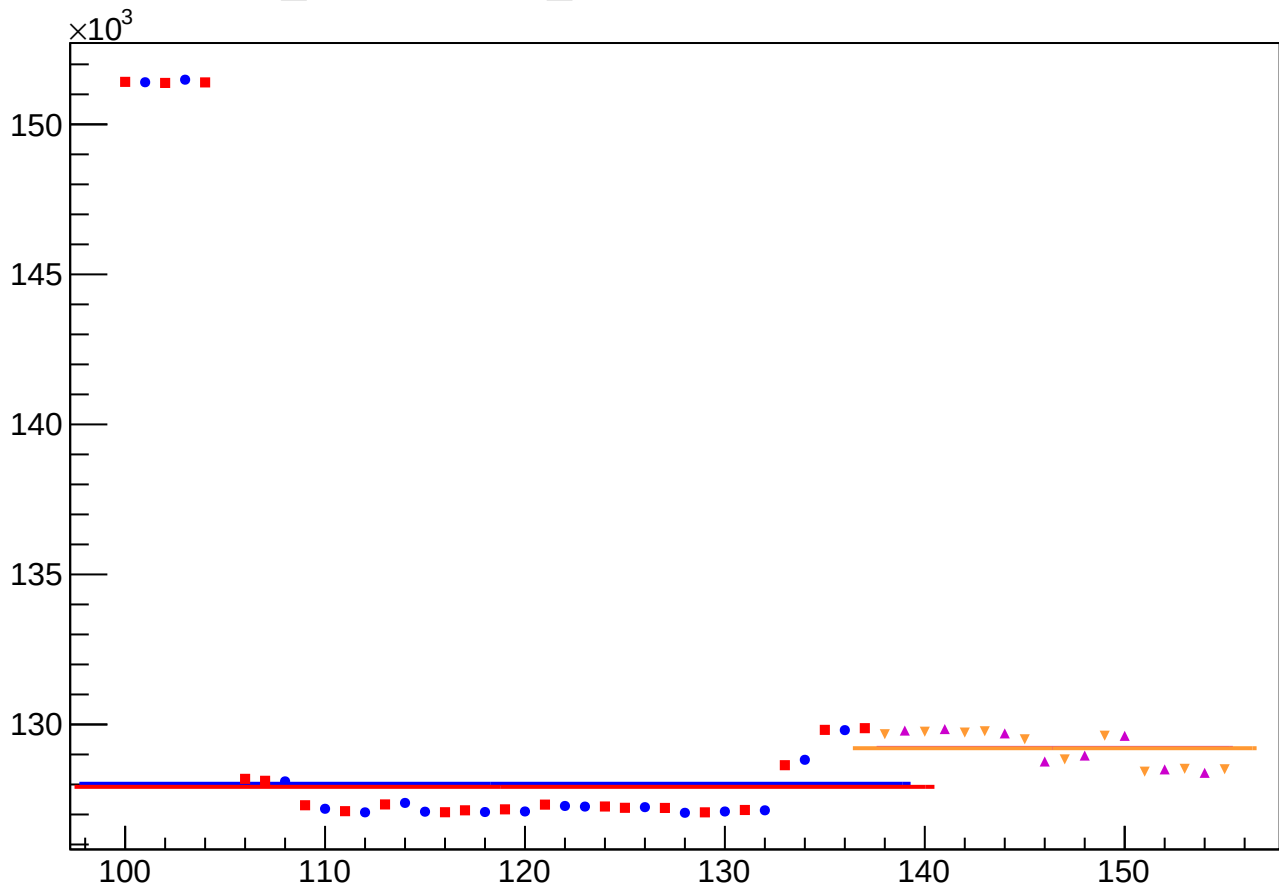
Left In: 0.879+/-0.000 χ^2/NDF : 54045.9/7

0.846+/-0.000 χ^2/NDF : 2737095.1/26

0.862+/-0.000 χ^2/NDF : 5630686.7/54

0.880+/-0.000 χ^2/NDF : 2879411.6/27

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16

Left Out: 129208.692 $\pm$ 0.063 χ^2 /NDF: 79213676.5/9

Right Out: 127921.299 $\pm$ 0.050 χ^2 /NDF: 3768965324.4/19

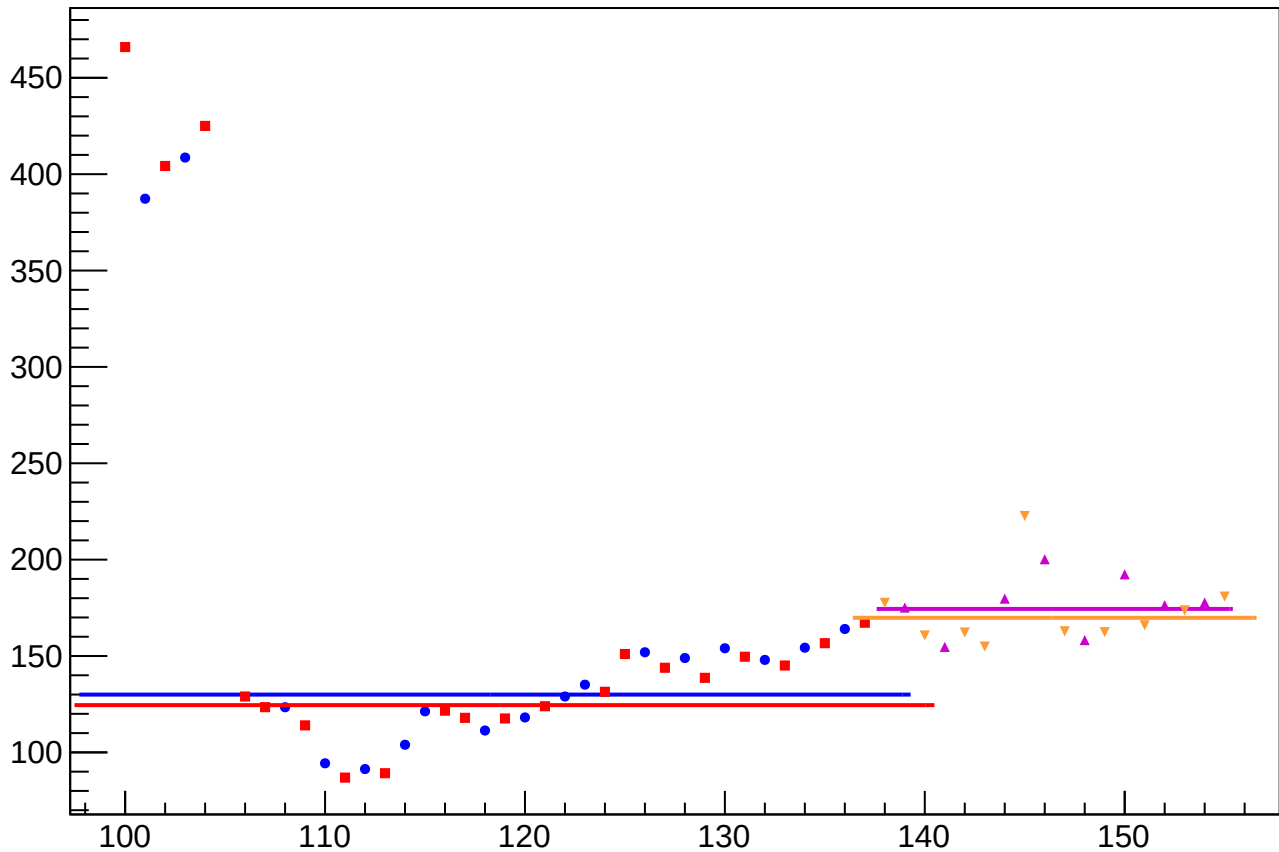
Left In: 129219.130 $\pm$ 0.069 χ^2 /NDF: 69060866.3/7

128528.202 $\pm$ 0.041 χ^2 /NDF: 4596842051.2/26

128448.919 $\pm$ 0.029 χ^2 /NDF: 867478519

128372.695 $\pm$ 0.041 χ^2 /NDF: 4070724046.9/27

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.980 +/- 0.039 χ^2/NDF : 1485519.5/16

Left Out: 169.827 +/- 0.045 χ^2/NDF : 121379.6/9

Right Out: 124.514 +/- 0.035 χ^2/NDF : 1531546.7/19

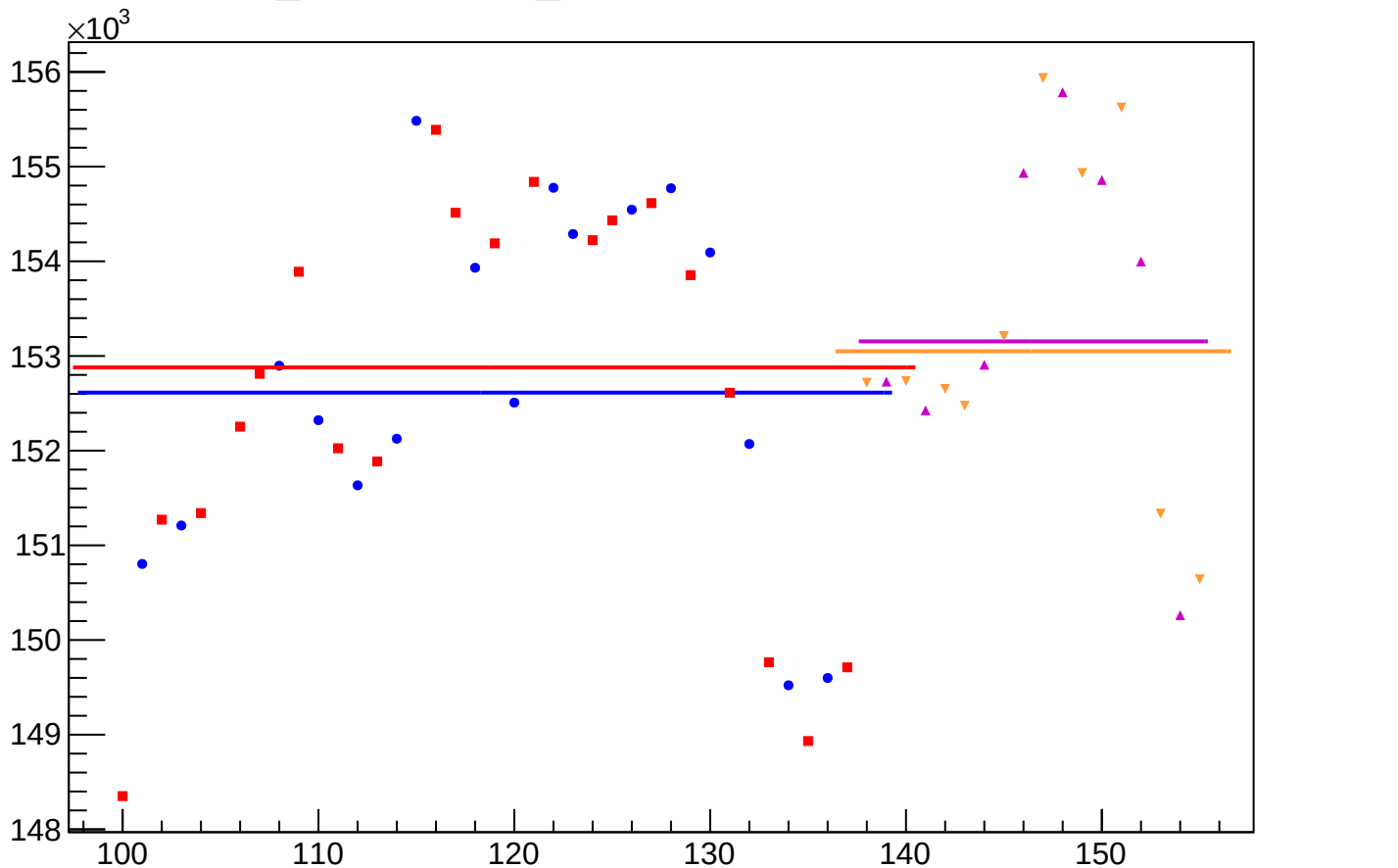
Left In: 174.439 +/- 0.049 χ^2/NDF : 87047.7/7

146.948 +/- 0.029 χ^2/NDF : 2061526.0/26

144.363 +/- 0.020 χ^2/NDF : 4384144.0/54

141.878 +/- 0.029 χ^2/NDF : 2307275.3/27

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152613.122 $\pm$ 0.072 χ^2 /NDF: 623356098.4/16

Left Out: 153049.862 $\pm$ 0.071 χ^2 /NDF: 490003303.5/9

152834.919 $\pm$ 0.051 χ^2 /NDF: 1131907866.7/26

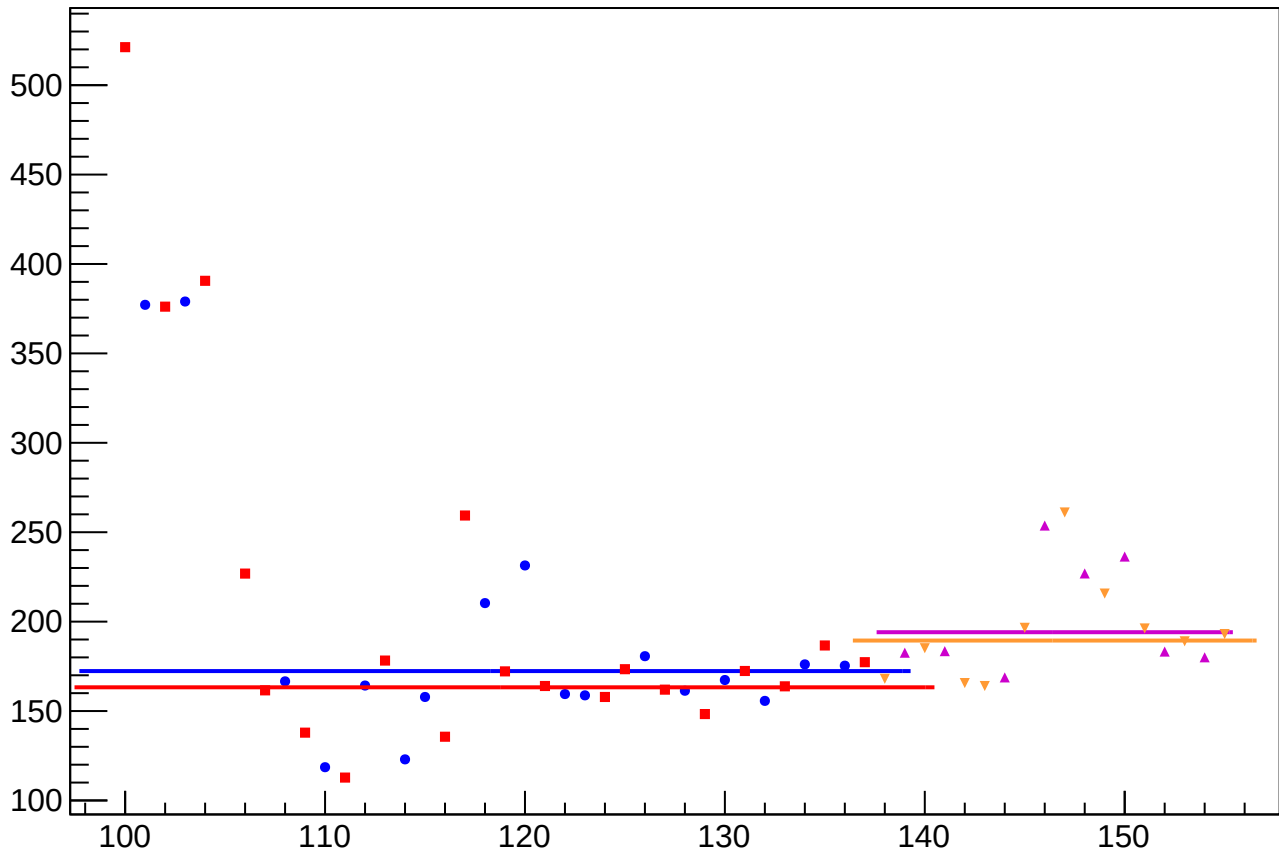
Right Out: 152879.455 $\pm$ 0.066 χ^2 /NDF: 717907168.5/19

152916.228 $\pm$ 0.036 χ^2 /NDF: 229940969

Left In: 153154.368 $\pm$ 0.077 χ^2 /NDF: 437176142.1/7

152995.921 $\pm$ 0.050 χ^2 /NDF: 1162408572.5/27

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.351+/-0.051 χ^2/NDF : 921911.1/16

Left Out: 189.424+/-0.050 χ^2/NDF : 217365.5/9

Right Out: 163.273+/-0.047 χ^2/NDF : 1043440.1/19

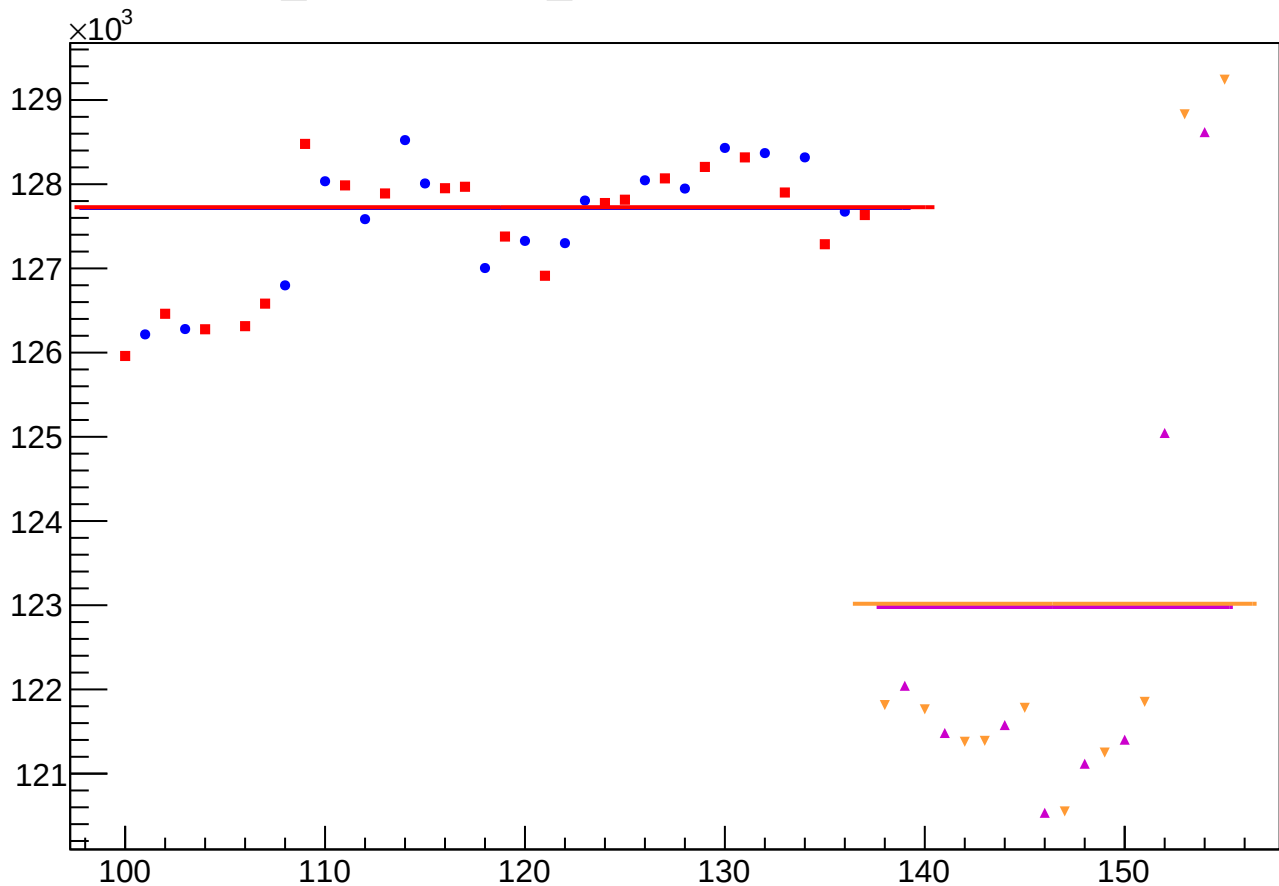
Left In: 194.086+/-0.055 χ^2/NDF : 239342.3/7

181.022+/-0.036 χ^2/NDF : 1195968.3/26

178.651+/-0.025 χ^2/NDF : 2671463.4/54

176.327+/-0.035 χ^2/NDF : 1466834.1/27

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127717.888 $\pm$ 0.058 χ^2 /NDF: 95177660.2/16

Left Out: 123017.382 $\pm$ 0.062 χ^2 /NDF: 2340980886.1/9

Right Out: 127726.969 $\pm$ 0.054 χ^2 /NDF: 112752557.5/19

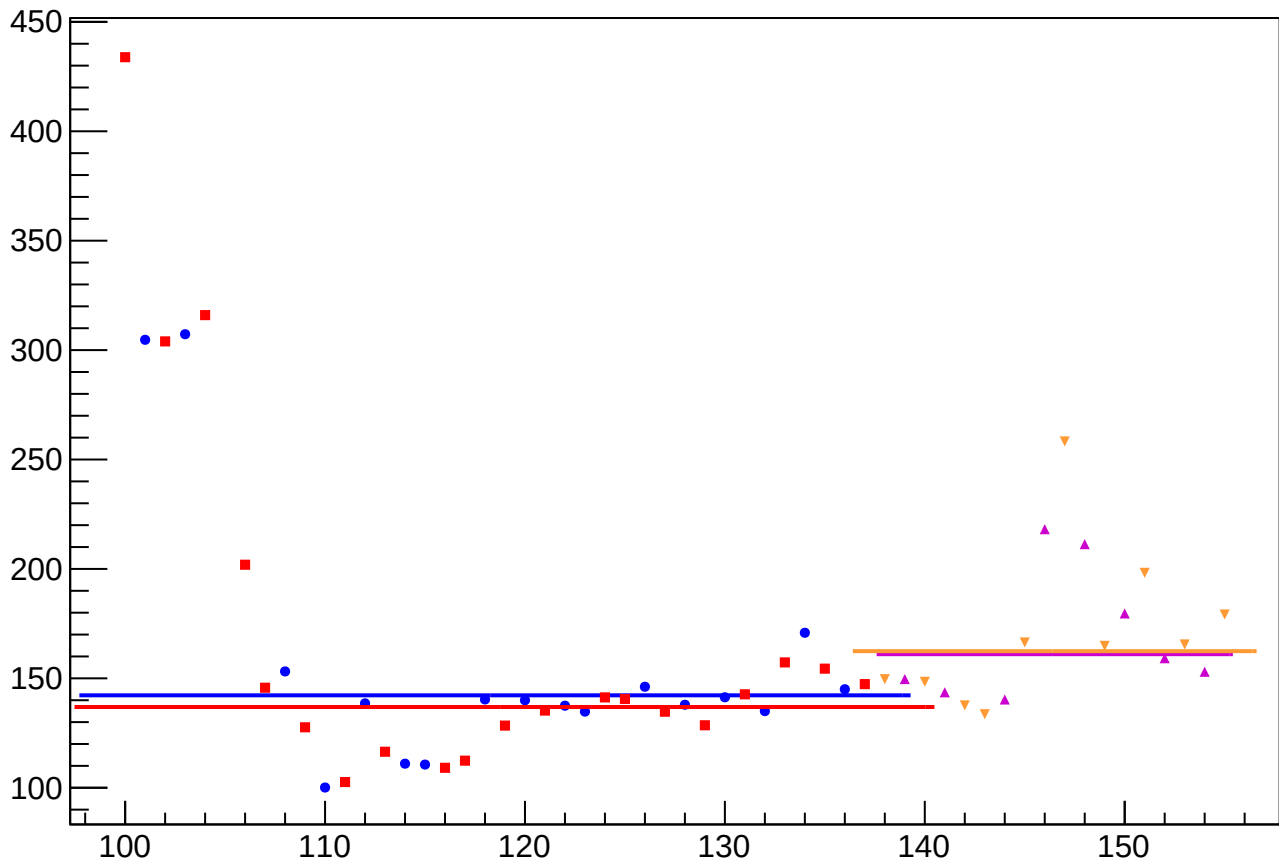
Left In: 122978.954 $\pm$ 0.064 χ^2 /NDF: 1672176367.9/7

125506.213 $\pm$ 0.042 χ^2 /NDF: 5496423910.0/20

125634.483 $\pm$ 0.030 χ^2 /NDF: 104770777

125757.287 $\pm$ 0.041 χ^2 /NDF: 4962749153.3/27

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 142.240 $\pm$ 0.041 χ^2 /NDF: 836415.1/16

Left Out: 162.421 $\pm$ 0.044 χ^2 /NDF: 387619.6/9

Right Out: 136.904 $\pm$ 0.038 χ^2 /NDF: 961858.5/19

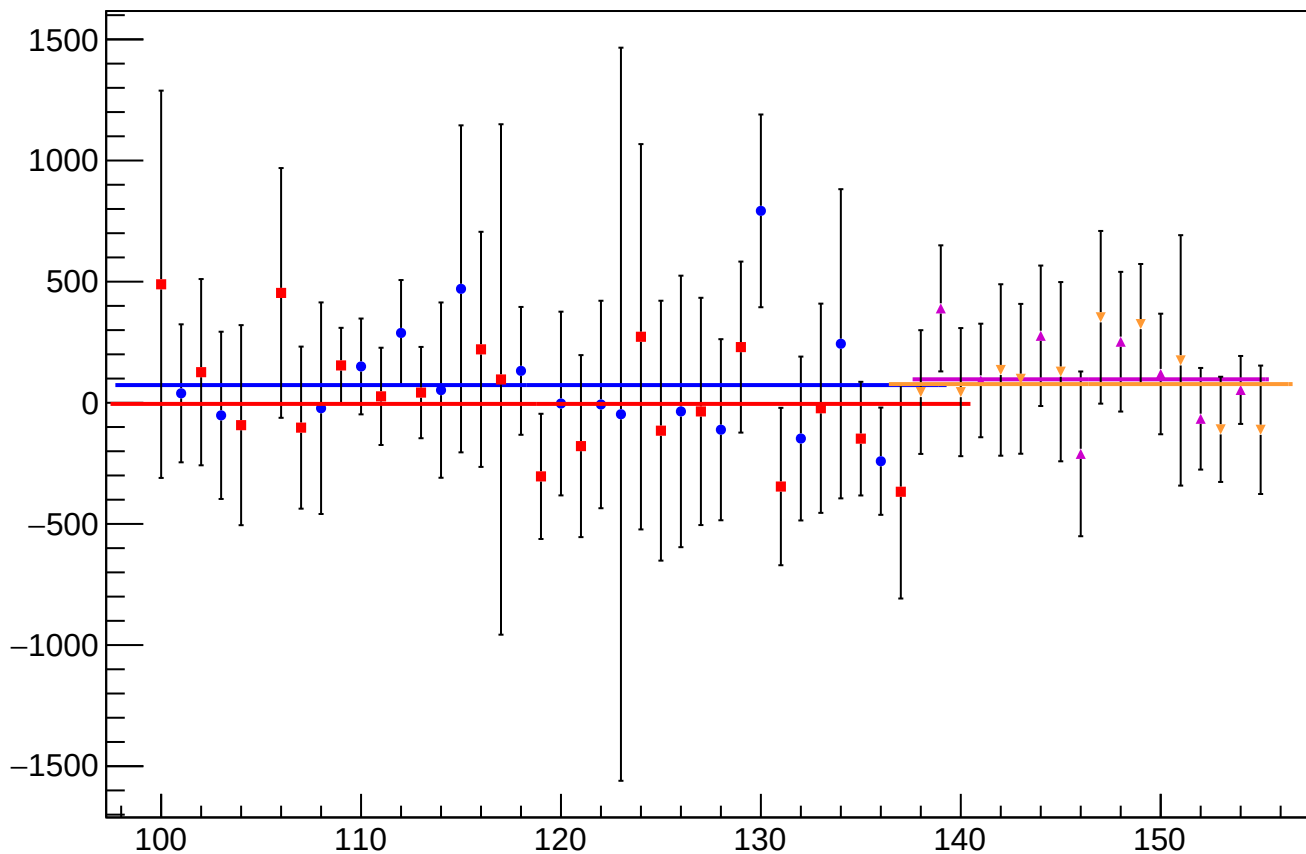
Left In: 161.041 $\pm$ 0.046 χ^2 /NDF: 285866.0/7

151.736 $\pm$ 0.030 χ^2 /NDF: 1336856.6/26

149.274 $\pm$ 0.021 χ^2 /NDF: 2762025.0/54

146.917 $\pm$ 0.029 χ^2 /NDF: 1411975.7/27

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 73.109 $\pm$ 79.604 χ^2/NDF : 7.9/16

Left Out: 77.213 $\pm$ 91.781 χ^2/NDF : 3.0/9

Right Out: -4.574 $\pm$ 69.944 χ^2/NDF : 7.1/19

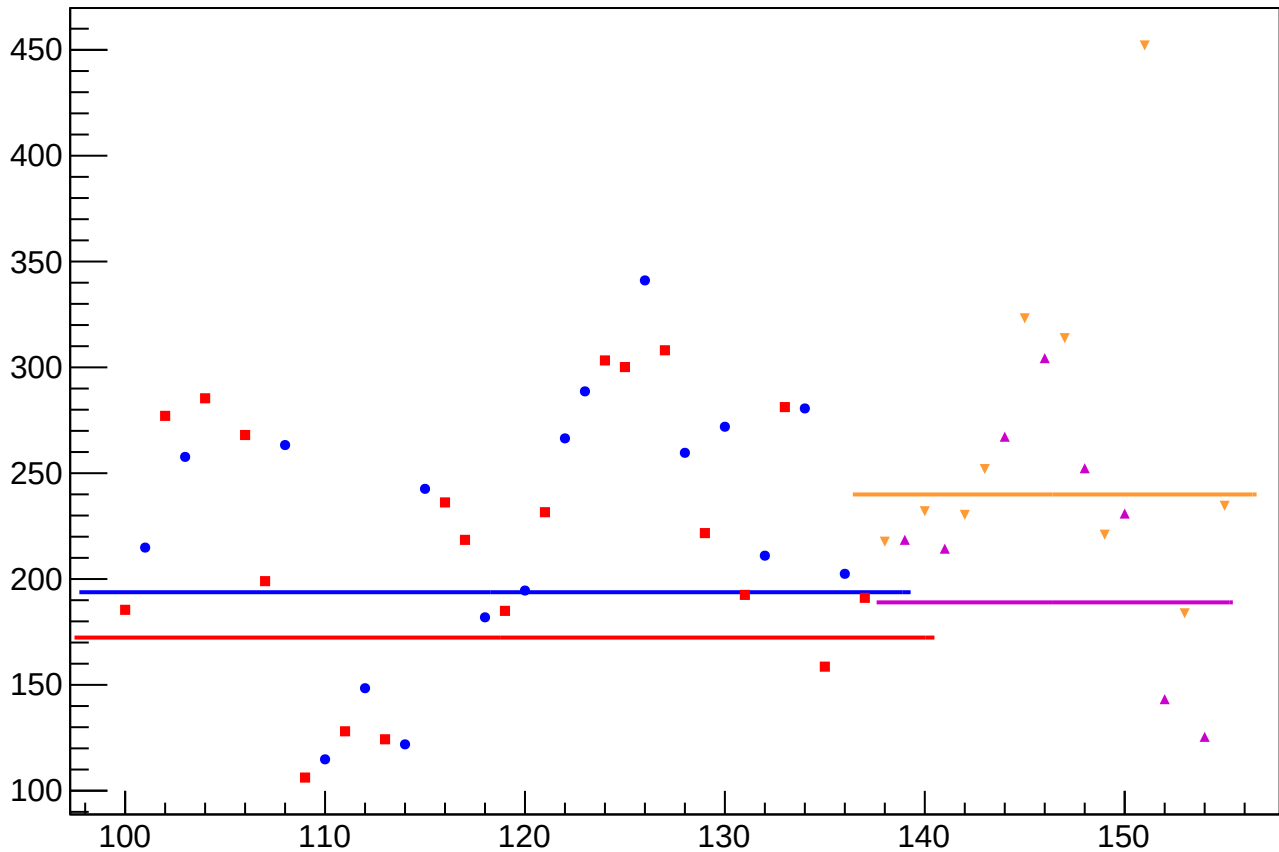
Left In: 96.953 $\pm$ 80.253 χ^2/NDF : 3.5/7

74.871 $\pm$ 60.136 χ^2/NDF : 10.8/26

54.735 $\pm$ 39.646 χ^2/NDF : 22.5/54

39.254 $\pm$ 52.728 χ^2/NDF : 11.5/27

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.773+/-0.056 χ^2/NDF : 1017081.7/16

Left Out: 239.959+/-0.065 χ^2/NDF : 691886.2/9

Right Out: 172.346+/-0.049 χ^2/NDF : 1583893.0/19

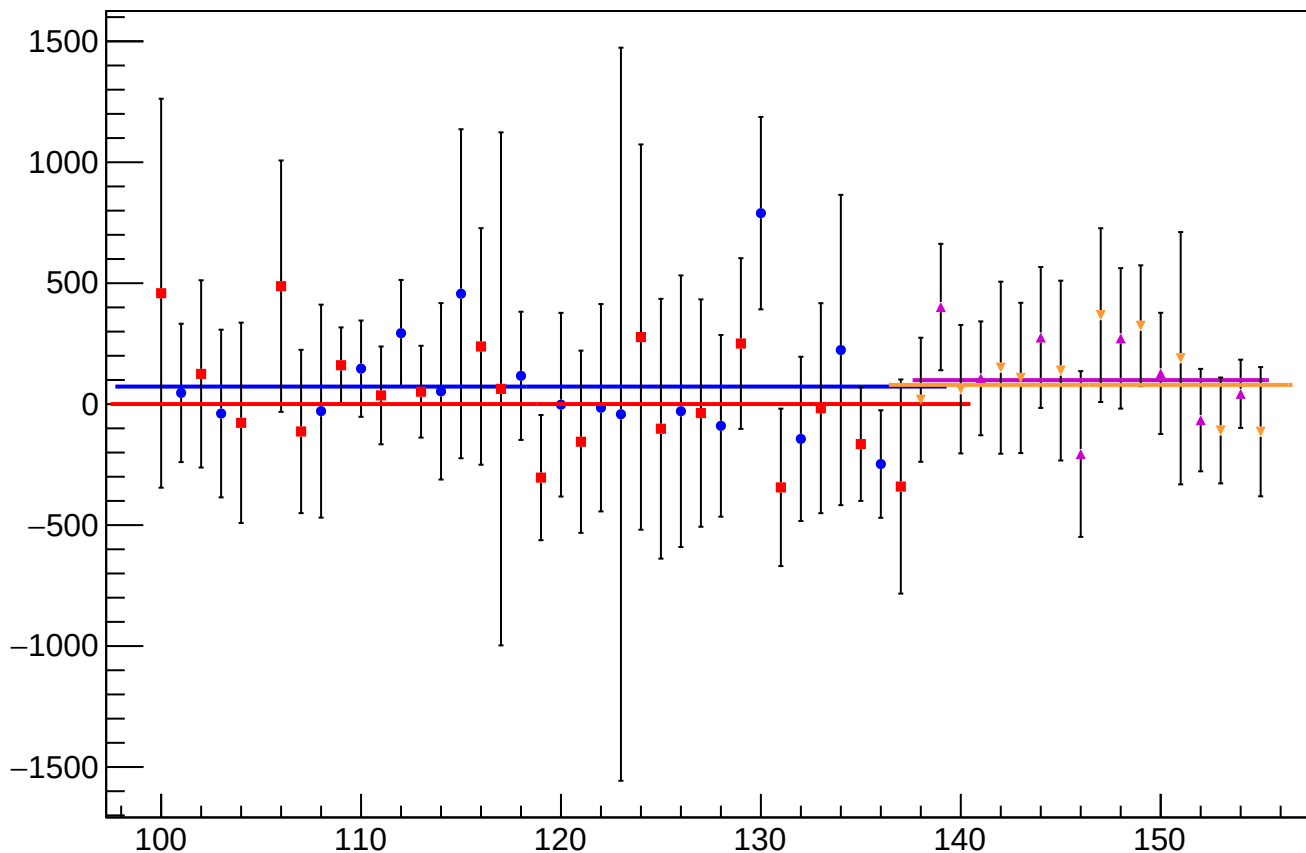
Left In: 188.974+/-0.057 χ^2/NDF : 1084155.0/7

213.600+/-0.043 χ^2/NDF : 1998000.4/26

194.335+/-0.028 χ^2/NDF : 5077899.6/54

179.524+/-0.037 χ^2/NDF : 2716844.5/27

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 72.675 $\pm$ 79.992 χ^2 /NDF: 7.8/16

Left Out: 79.749 $\pm$ 92.344 χ^2 /NDF: 3.1/9

Right Out: 0.459 $\pm$ 70.312 χ^2 /NDF: 7.3/19

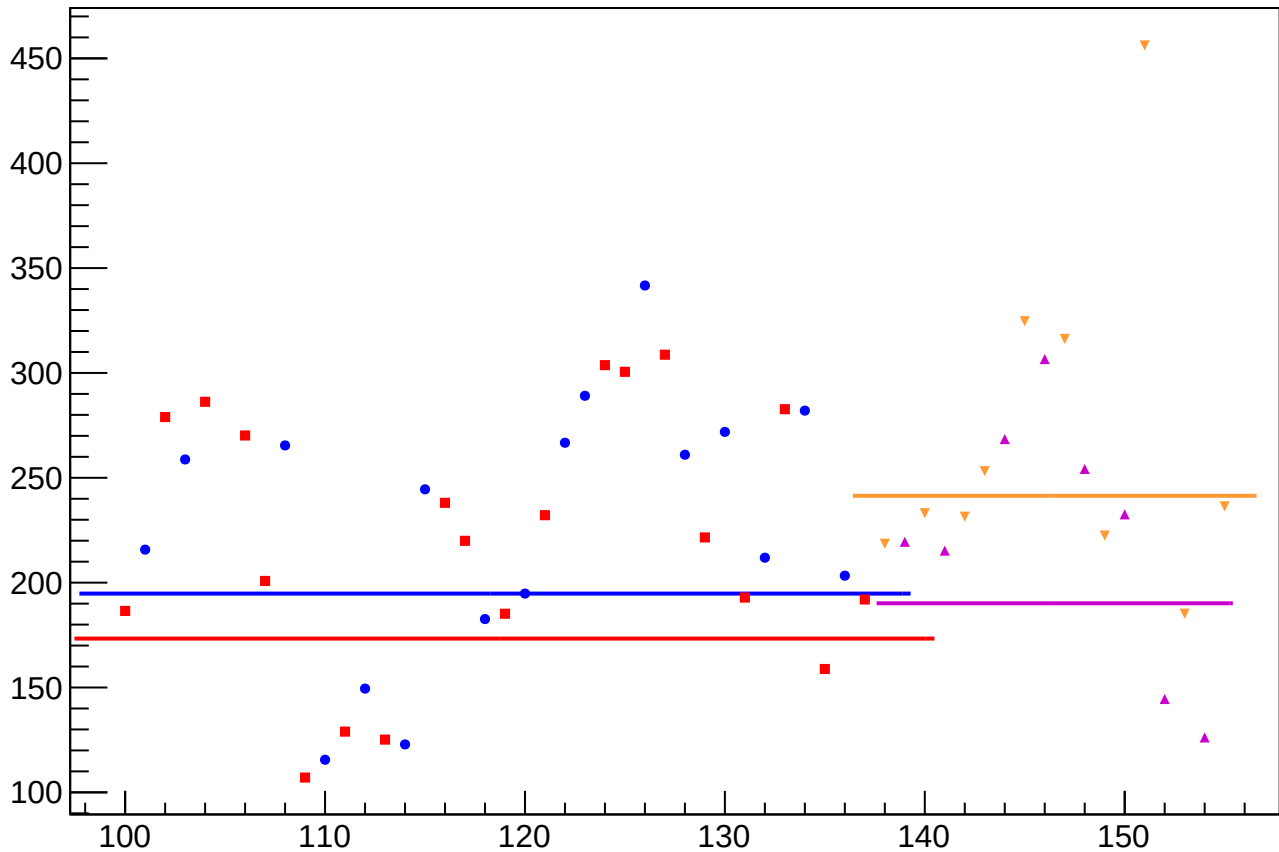
Left In: 99.288 $\pm$ 80.757 χ^2 /NDF: 3.6/7

75.708 $\pm$ 60.462 χ^2 /NDF: 10.8/26

57.262 $\pm$ 39.867 χ^2 /NDF: 22.7/54

43.072 $\pm$ 53.029 χ^2 /NDF: 11.8/27

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.782 $\pm$ 0.057 χ^2 /NDF: 1008292.8/16

Left Out: 241.416 $\pm$ 0.065 χ^2 /NDF:692819.1/9

Right Out: 173.337 $\pm$ 0.050 χ^2 /NDF: 1571436.7/19

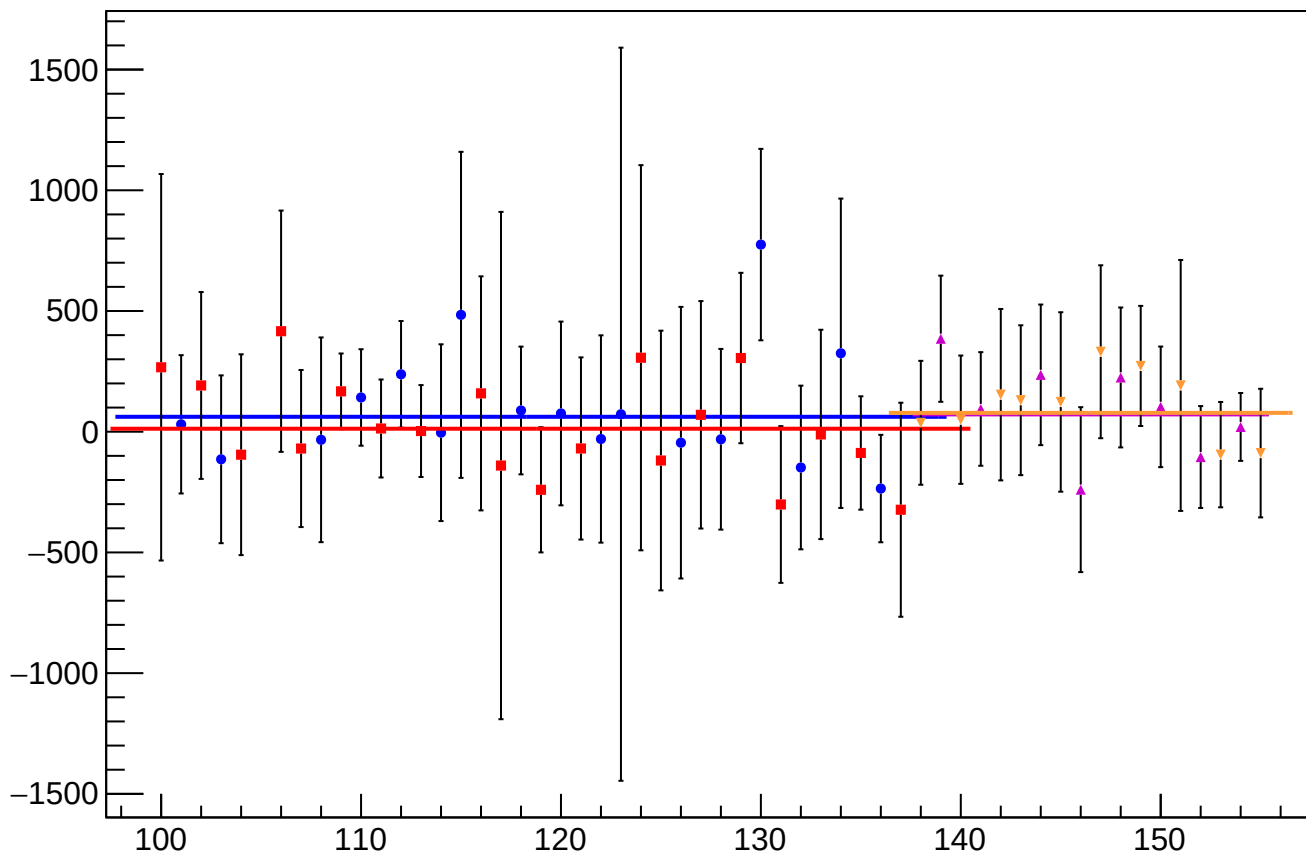
Left In: 190.166 $\pm$ 0.057 χ^2 /NDF:1082452.6/7

214.774 $\pm$ 0.043 χ^2 /NDF: 1992511.7/26

195.455 $\pm$ 0.028 χ^2 /NDF: 5057073.0/54

180.594 $\pm$ 0.037 χ^2 /NDF: 2703292.9/27

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 61.814 $\pm$ 79.986 χ^2 /NDF: 7.3/16

Left Out: 78.052 $\pm$ 92.187 χ^2 /NDF: 2.3/9

Right Out: 12.417 $\pm$ 70.233 χ^2 /NDF: 5.8/19

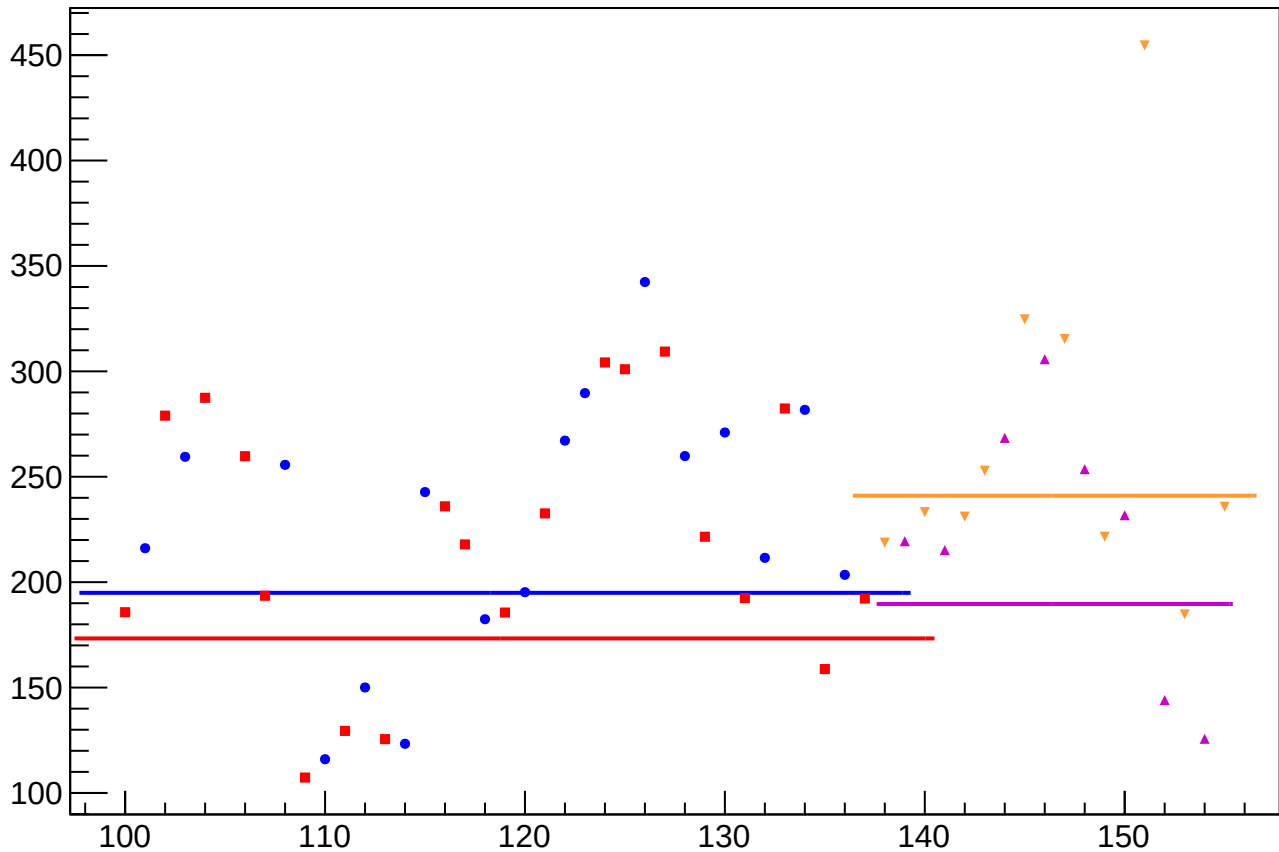
Left In: 71.640 $\pm$ 80.558 χ^2 /NDF: 3.7/7

68.788 $\pm$ 60.415 χ^2 /NDF: 9.6/26

51.368 $\pm$ 39.816 χ^2 /NDF: 19.6/54

37.992 $\pm$ 52.939 χ^2 /NDF: 9.8/27

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.939+/-0.057 χ^2/NDF : 986629.1/16

Left Out: 241.011+/-0.065 χ^2/NDF : 692685.4/9

Right Out: 173.309+/-0.050 χ^2/NDF : 1548342.3/19

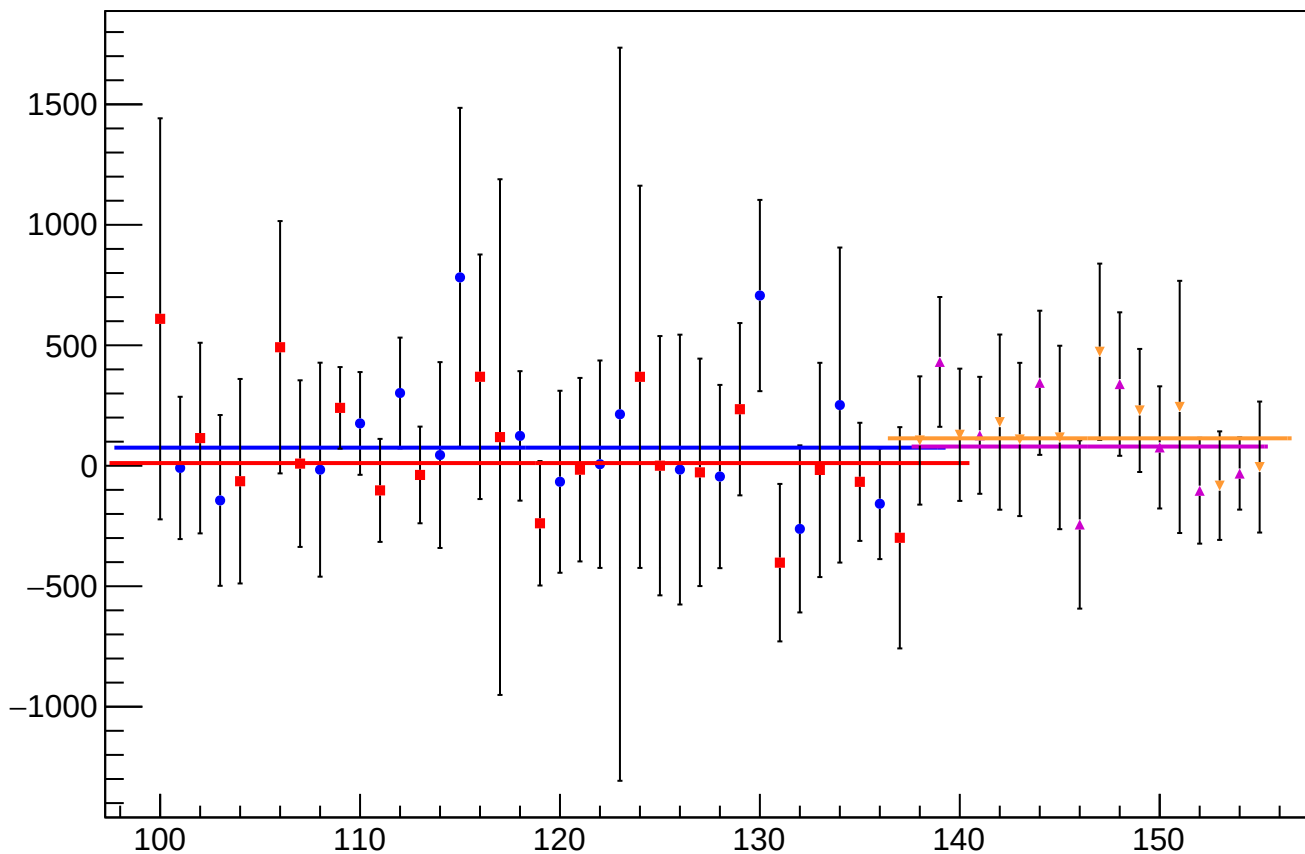
Left In: 189.648+/-0.057 χ^2/NDF : 1088746.7/7

214.726+/-0.043 χ^2/NDF : 1964306.5/26

195.289+/-0.028 χ^2/NDF : 5014106.9/54

180.365+/-0.037 χ^2/NDF : 2683832.6/27

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 75.207 $\pm$ 82.504 χ^2 /NDF: 7.6/16

Left Out: 113.922 $\pm$ 94.727 χ^2 /NDF: 2.2/9

Right Out: 11.180 $\pm$ 73.166 χ^2 /NDF: 7.8/19

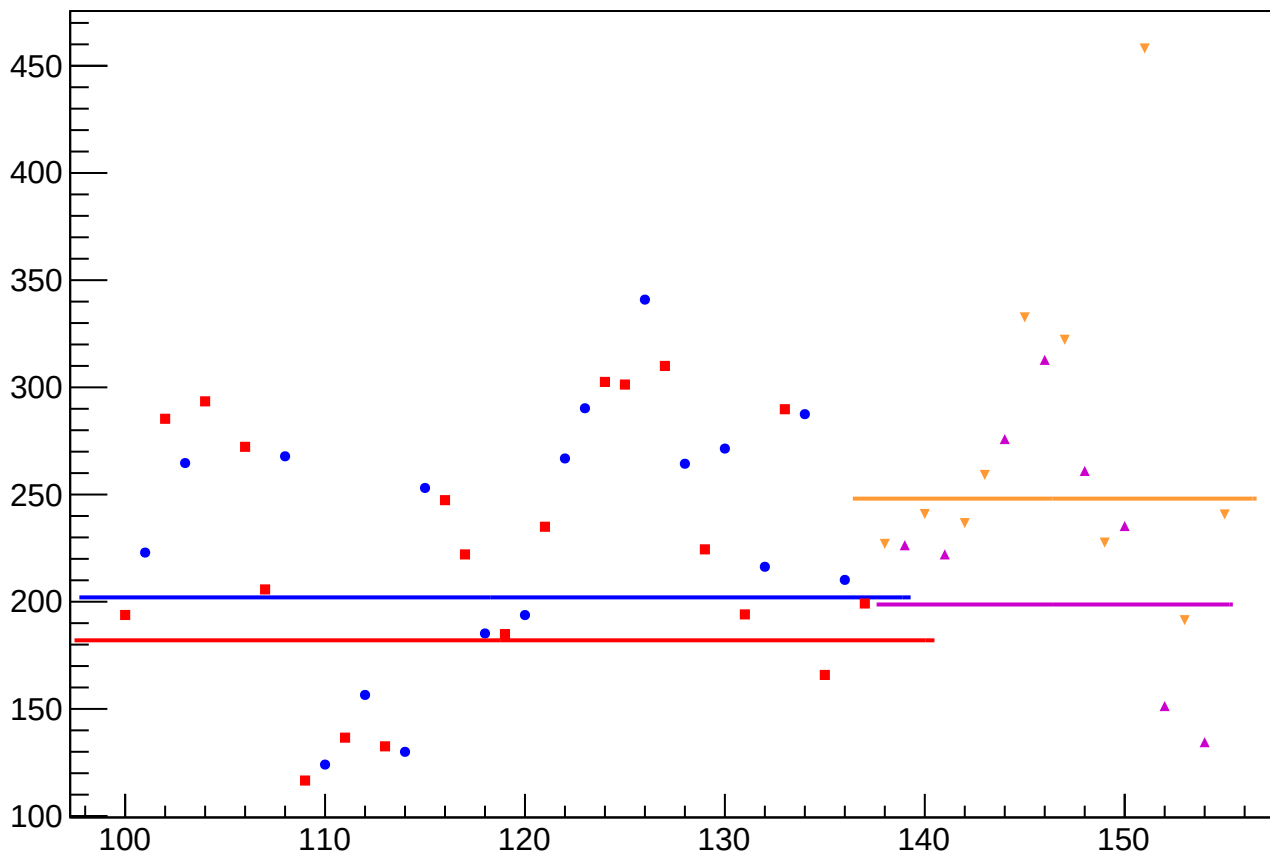
Left In: 79.801 $\pm$ 83.831 χ^2 /NDF: 5.4/7

91.907 $\pm$ 62.215 χ^2 /NDF: 9.9/26

63.304 $\pm$ 41.259 χ^2 /NDF: 23.9/54

40.850 $\pm$ 55.124 χ^2 /NDF: 13.6/27

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.029 +/- 0.058 χ^2/NDF : 881608.7/16

Left Out: 248.104 +/- 0.067 χ^2/NDF : 662180.0/9

Right Out: 182.000 +/- 0.052 χ^2/NDF : 1380354.3/19

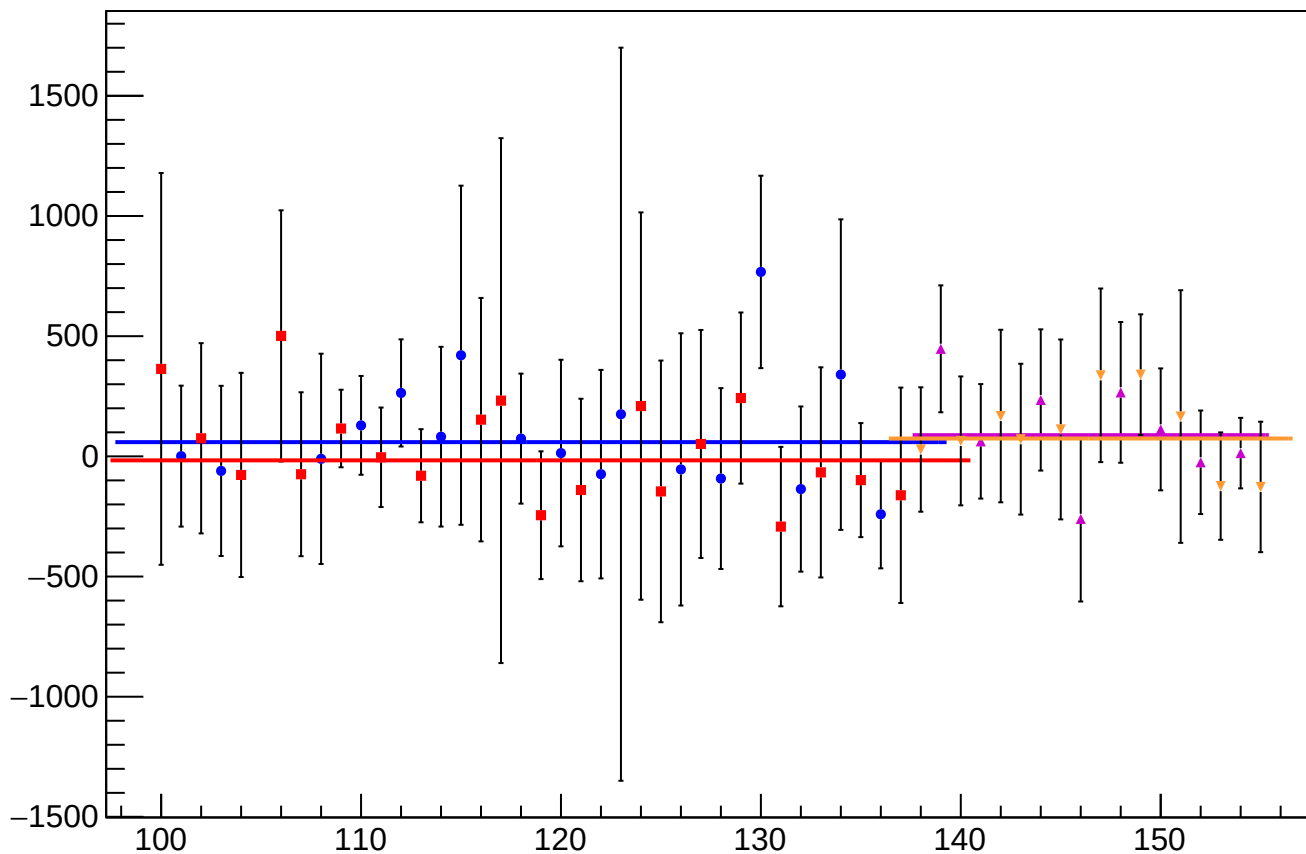
Left In: 198.711 +/- 0.059 χ^2/NDF : 976334.5/7

221.904 +/- 0.044 χ^2/NDF : 1812840.7/26

203.597 +/- 0.029 χ^2/NDF : 4523756.9/54

189.225 +/- 0.039 χ^2/NDF : 2401804.4/27

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 59.175 $\pm$ 81.417 χ^2/NDF : 7.1/16

Left Out: 74.309 $\pm$ 93.380 χ^2/NDF : 3.1/9

Right Out: -16.650 $\pm$ 71.745 χ^2/NDF : 4.7/19

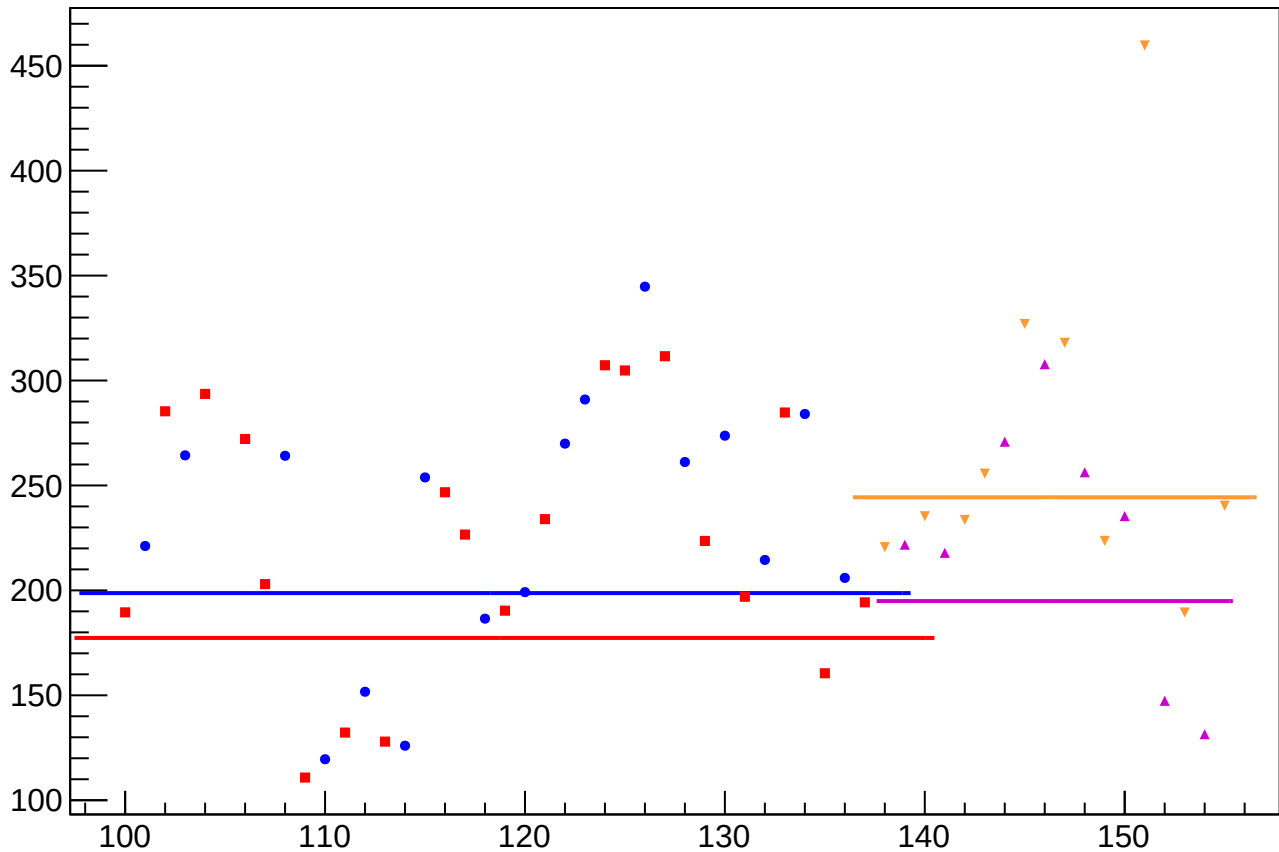
Left In: 88.155 $\pm$ 82.410 χ^2/NDF : 4.1/7

65.711 $\pm$ 61.367 χ^2/NDF : 10.3/26

44.797 $\pm$ 40.587 χ^2/NDF : 20.2/54

28.536 $\pm$ 54.112 χ^2/NDF : 9.7/27

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.704 $\pm$ 0.058 χ^2 /NDF: 963394.4/16

Left Out: 244.358 $\pm$ 0.066 χ^2 /NDF: 674677.6/9

Right Out: 177.338 $\pm$ 0.051 χ^2 /NDF: 1528976.8/19

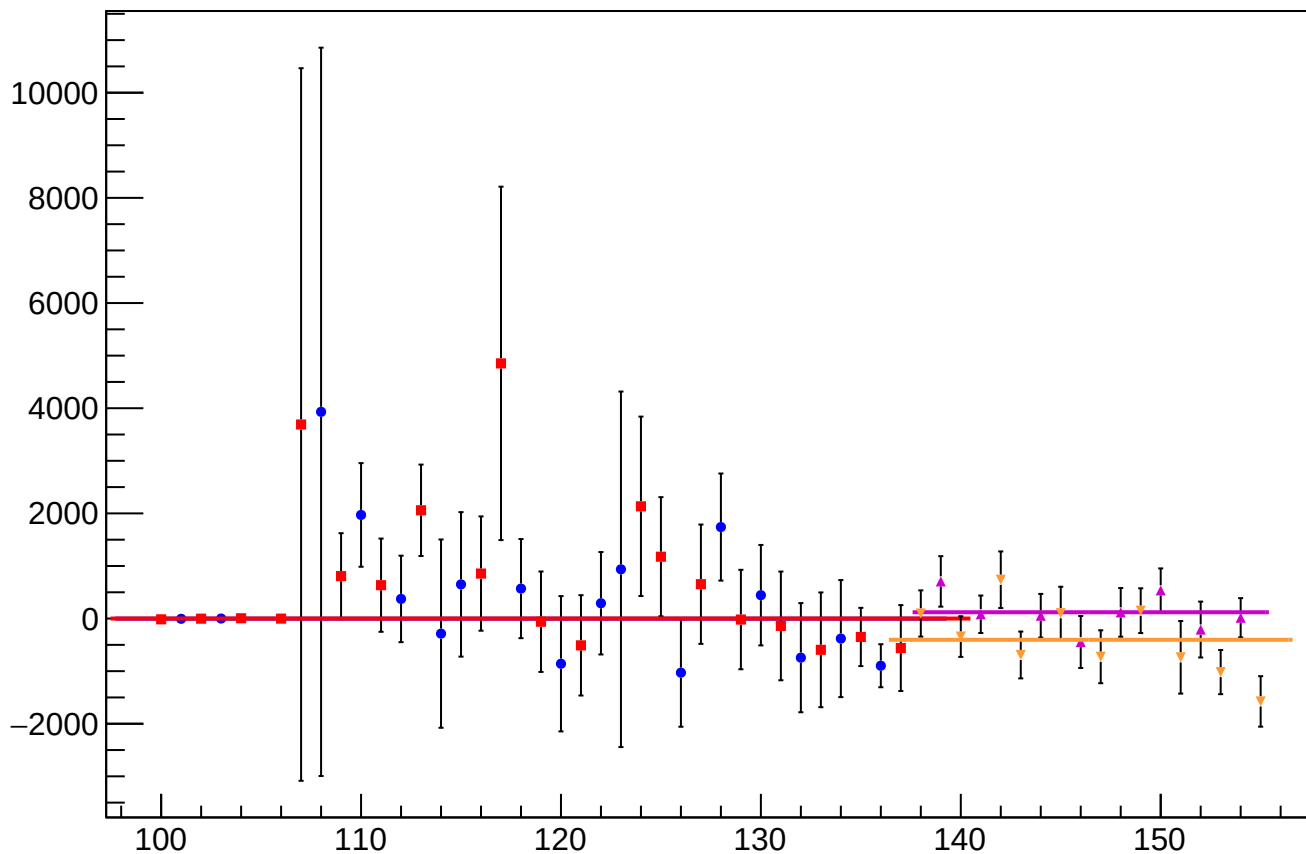
Left In: 194.911 $\pm$ 0.058 χ^2 /NDF: 998592.8/7

218.421 $\pm$ 0.043 χ^2 /NDF: 1909668.2/26

199.571 $\pm$ 0.029 χ^2 /NDF: 4824392.1/54

184.915 $\pm$ 0.038 χ^2 /NDF: 2579298.5/27

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.529 ± 2.251 χ^2/NDF : 16.6/16

Left Out: -403.654 ± 147.643 χ^2/NDF : 17.7/9

Right Out: 0.733 ± 2.111 χ^2/NDF : 20.5/19

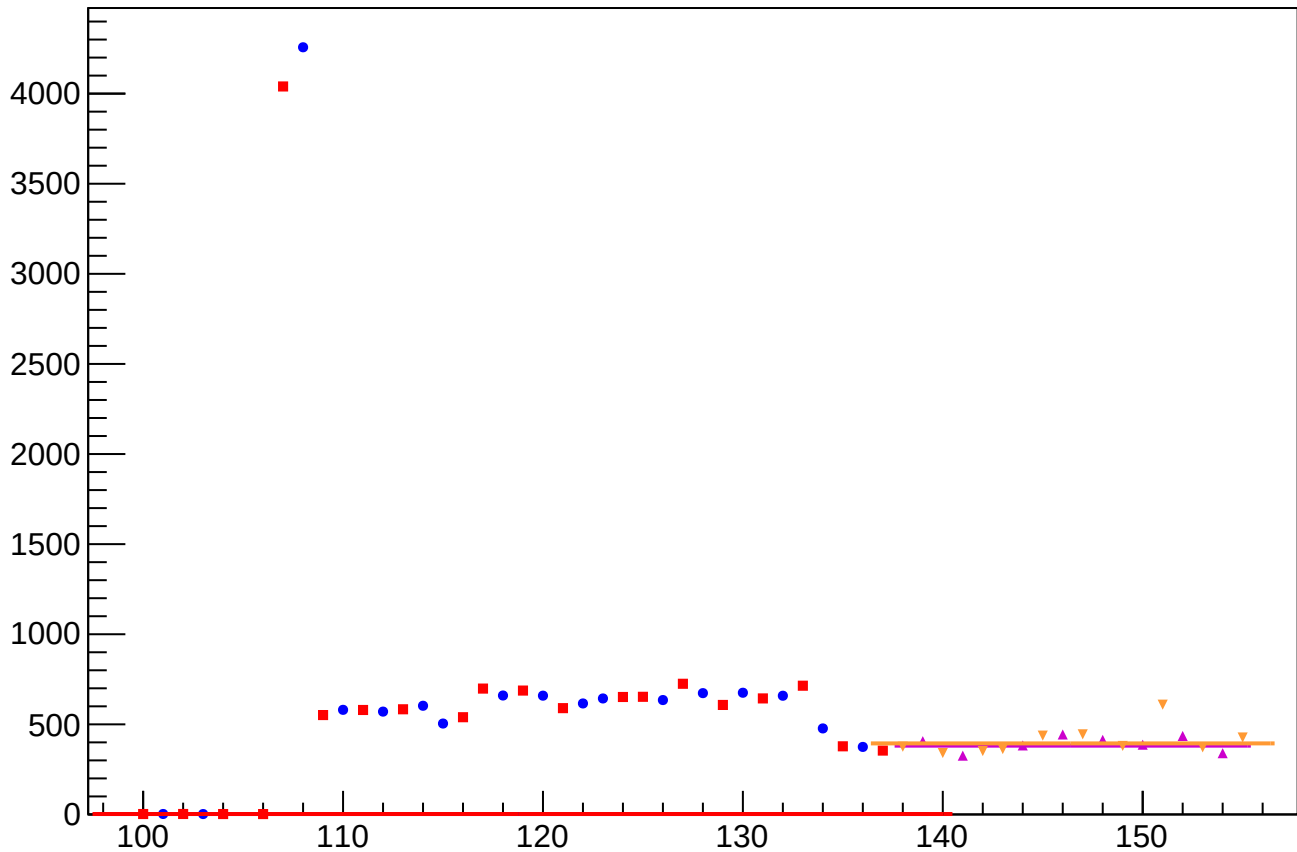
Left In: 120.394 ± 152.048 χ^2/NDF : 4.3/7

-1.622 ± 2.251 χ^2/NDF : 41.7/26

-0.357 ± 1.540 χ^2/NDF : 67.7/54

0.756 ± 2.111 χ^2/NDF : 25.4/27

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 394.318+/-0.104 χ^2/NDF : 310184.5/9

Right Out: 2.437+/-0.001 χ^2/NDF : 11225999.1/19

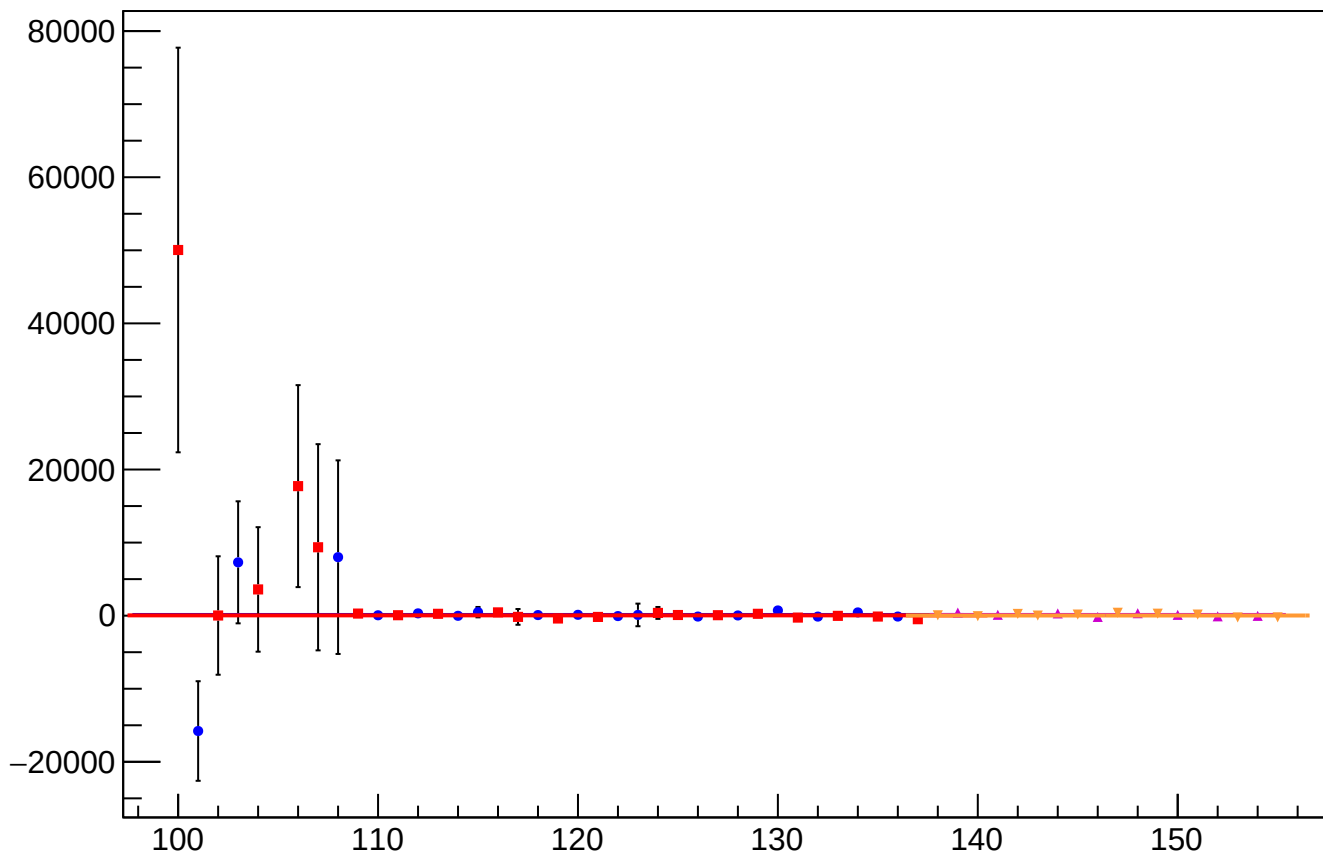
Left In: 381.876+/-0.108 χ^2/NDF : 141293.5/7

2.547+/-0.002 χ^2/NDF : 25101938.8/26

2.527+/-0.001 χ^2/NDF : 48922279.4/54

2.510+/-0.001 χ^2/NDF : 23820050.7/27

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: 22.262+/-99.214 χ^2/NDF : 4.3/9

Right Out: 41.335+/-84.288 χ^2/NDF : 14.0/19

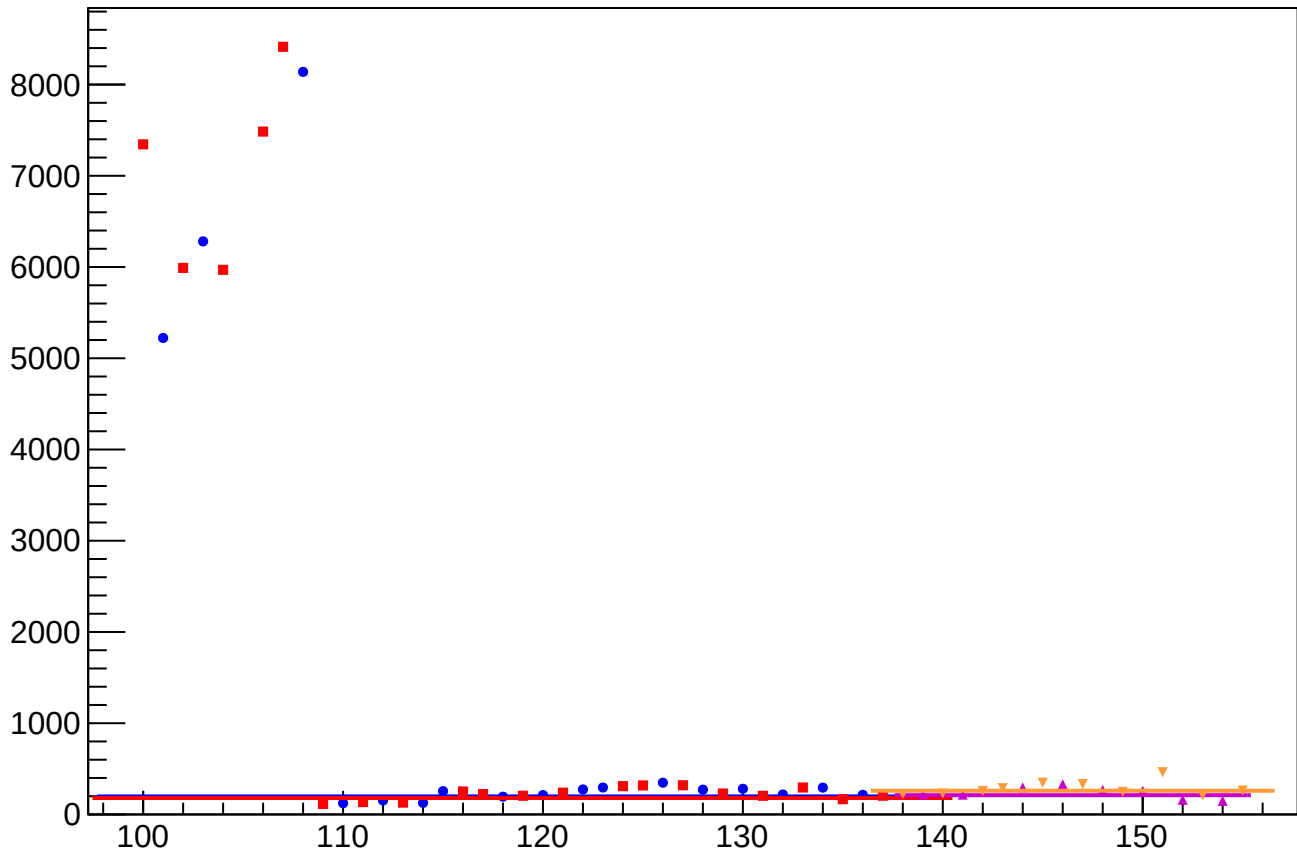
Left In: 98.122+/-88.560 χ^2/NDF : 4.3/7

61.676+/-67.345 χ^2/NDF : 16.6/26

65.326+/-45.233 χ^2/NDF : 35.2/54

68.326+/-61.055 χ^2/NDF : 18.6/27

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.422 $\pm$ 0.065 χ^2 /NDF: 3695848.3/16

Left Out: 260.191 $\pm$ 0.070 χ^2 /NDF: 642796.7/9

Right Out: 180.250 $\pm$ 0.060 χ^2 /NDF: 4324682.8/19

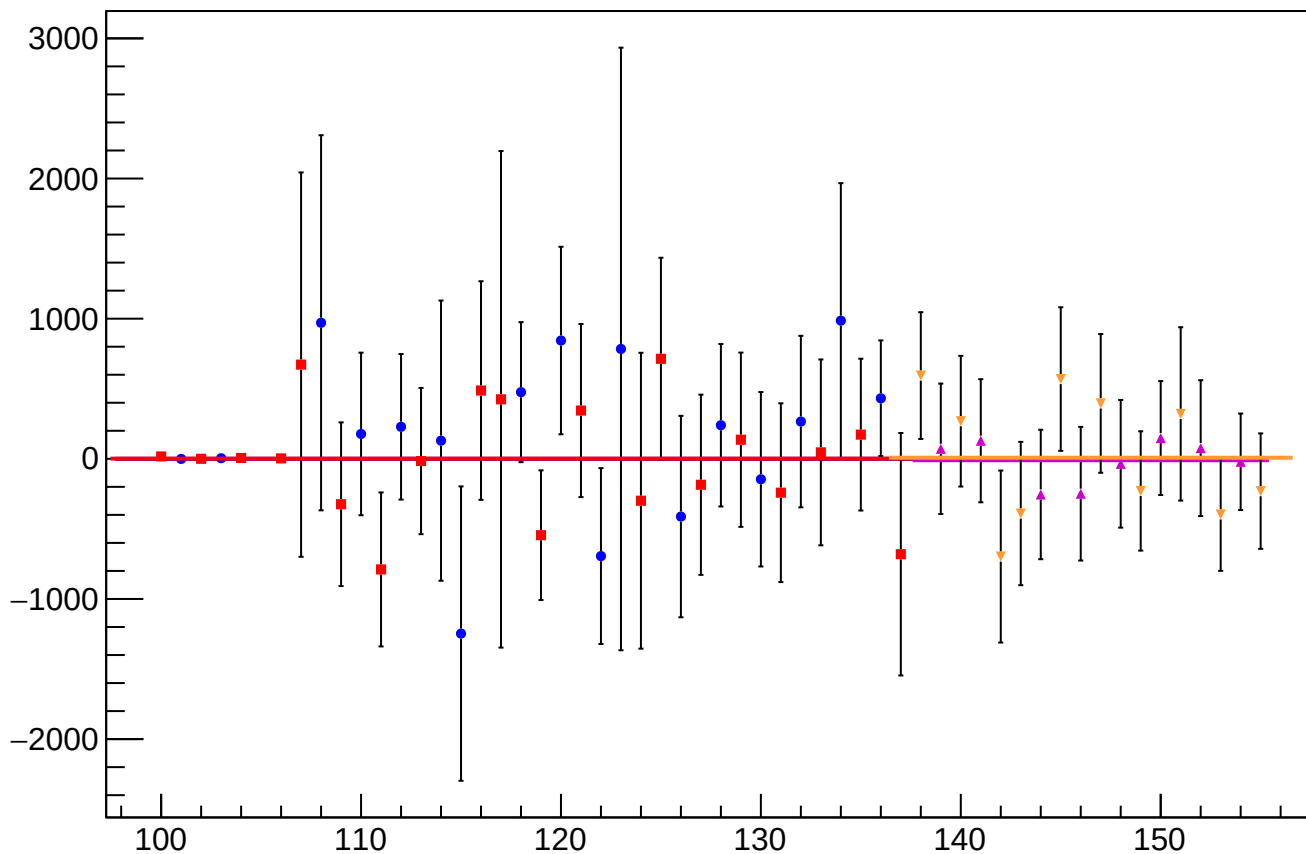
Left In: 211.371 $\pm$ 0.063 χ^2 /NDF: 848970.2/7

226.342 $\pm$ 0.048 χ^2 /NDF: 4770325.1/26

209.162 $\pm$ 0.032 χ^2 /NDF: 10310695.2/54

195.042 $\pm$ 0.043 χ^2 /NDF: 5303240.0/27

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.139 ± 1.737 χ^2/NDF : 9.8/16

Left Out: 7.837 ± 150.667 χ^2/NDF : 7.6/9

Right Out: 1.324 ± 1.623 χ^2/NDF : 9.6/19

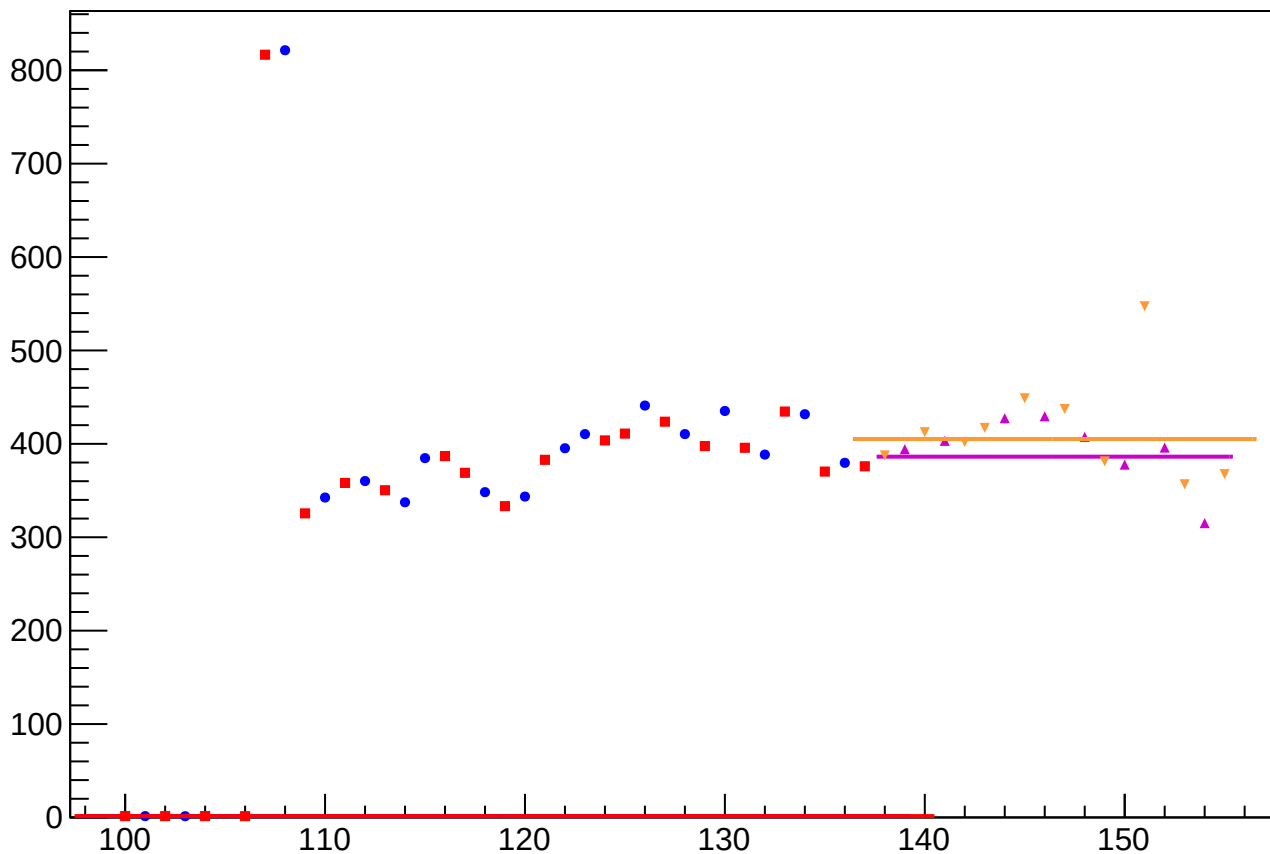
Left In: -9.858 ± 153.478 χ^2/NDF : 0.8/7

-0.138 ± 1.736 χ^2/NDF : 17.4/26

0.642 ± 1.186 χ^2/NDF : 28.2/54

1.323 ± 1.622 χ^2/NDF : 10.4/27

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.452+/-0.001 χ^2/NDF : 10815892.9/16

Left Out: 405.183+/-0.107 χ^2/NDF :185122.6/9

Right Out: 1.451+/-0.001 χ^2/NDF : 10959647.1/19

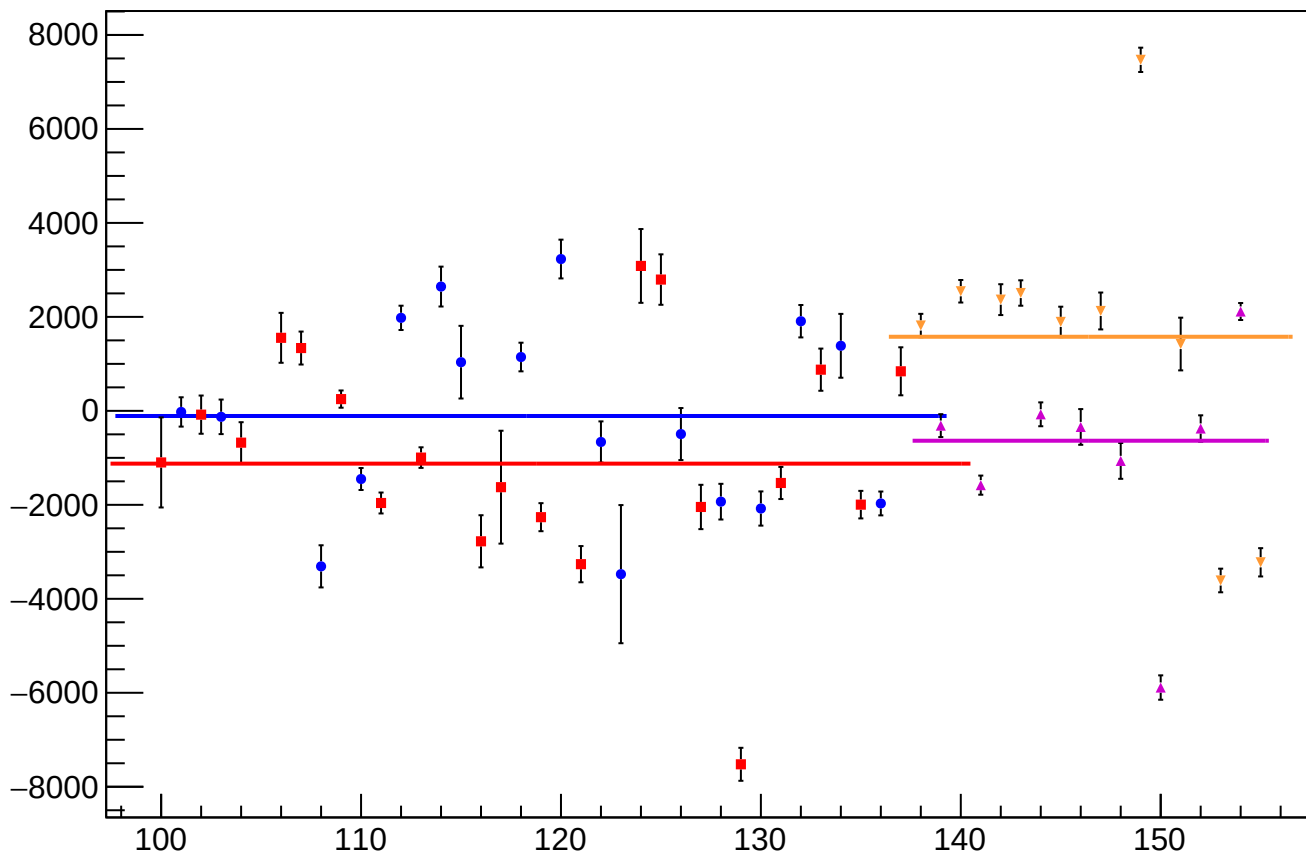
Left In: 386.272+/-0.109 χ^2/NDF :127394.7/7

1.506+/-0.001 χ^2/NDF : 25359896.7/26

1.500+/-0.001 χ^2/NDF : 49019037.6/54

1.494+/-0.001 χ^2/NDF : 23659094.2/27

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -109.225+/-87.961 χ^2/NDF : 428.3/16

Left Out: 1577.034+/-92.210 χ^2/NDF : 1236.2/9

Right Out: -1123.337+/-78.230 χ^2/NDF : 670.2/19

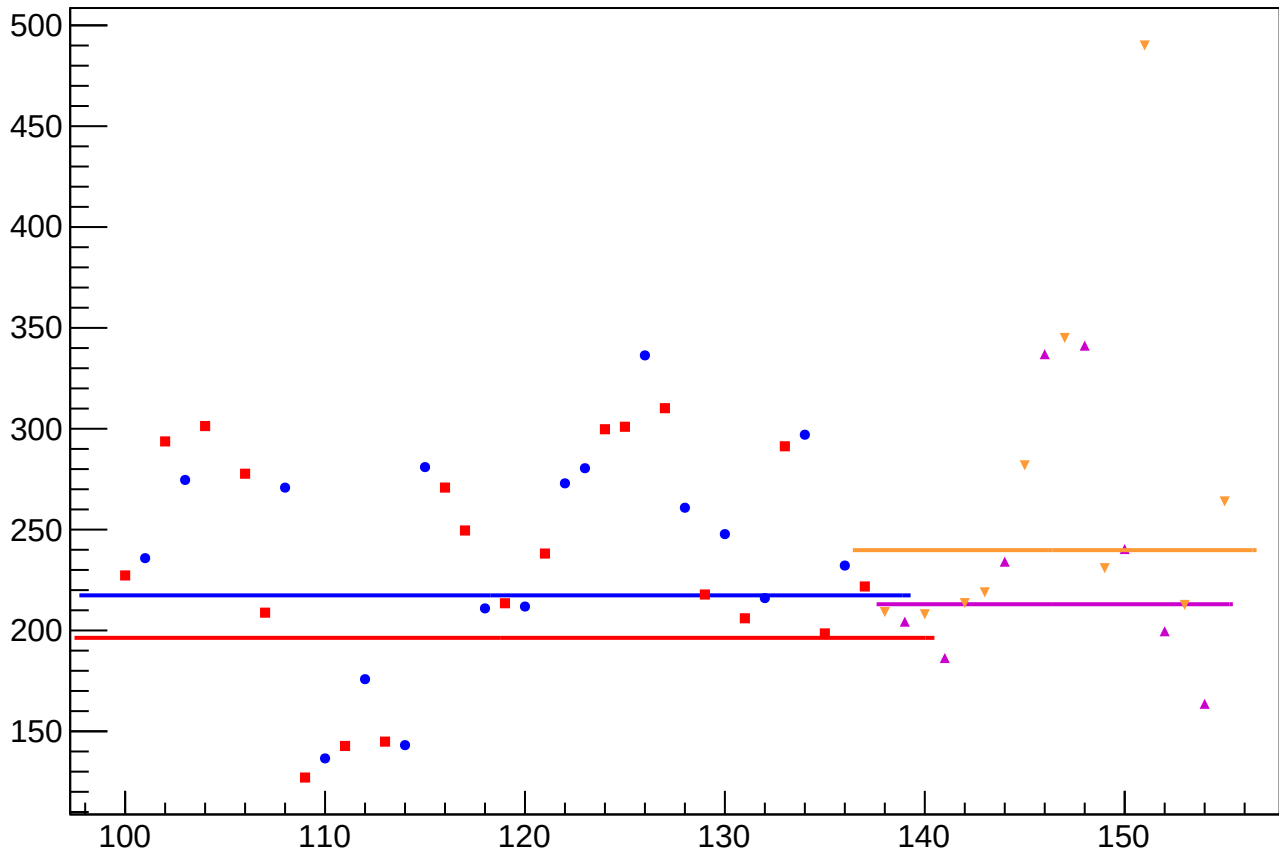
Left In: -635.785+/-88.238 χ^2/NDF : 672.6/7

694.167+/-63.647 χ^2/NDF : 1839.7/26

-174.224+/-43.085 χ^2/NDF : 3543.2/54

-908.769+/-58.537 χ^2/NDF : 1359.9/27

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.403 +/- 0.062 χ^2/NDF : 652632.9/16

Left Out: 239.814 +/- 0.065 χ^2/NDF : 704484.9/9

Right Out: 196.339 +/- 0.055 χ^2/NDF : 1194805.7/19

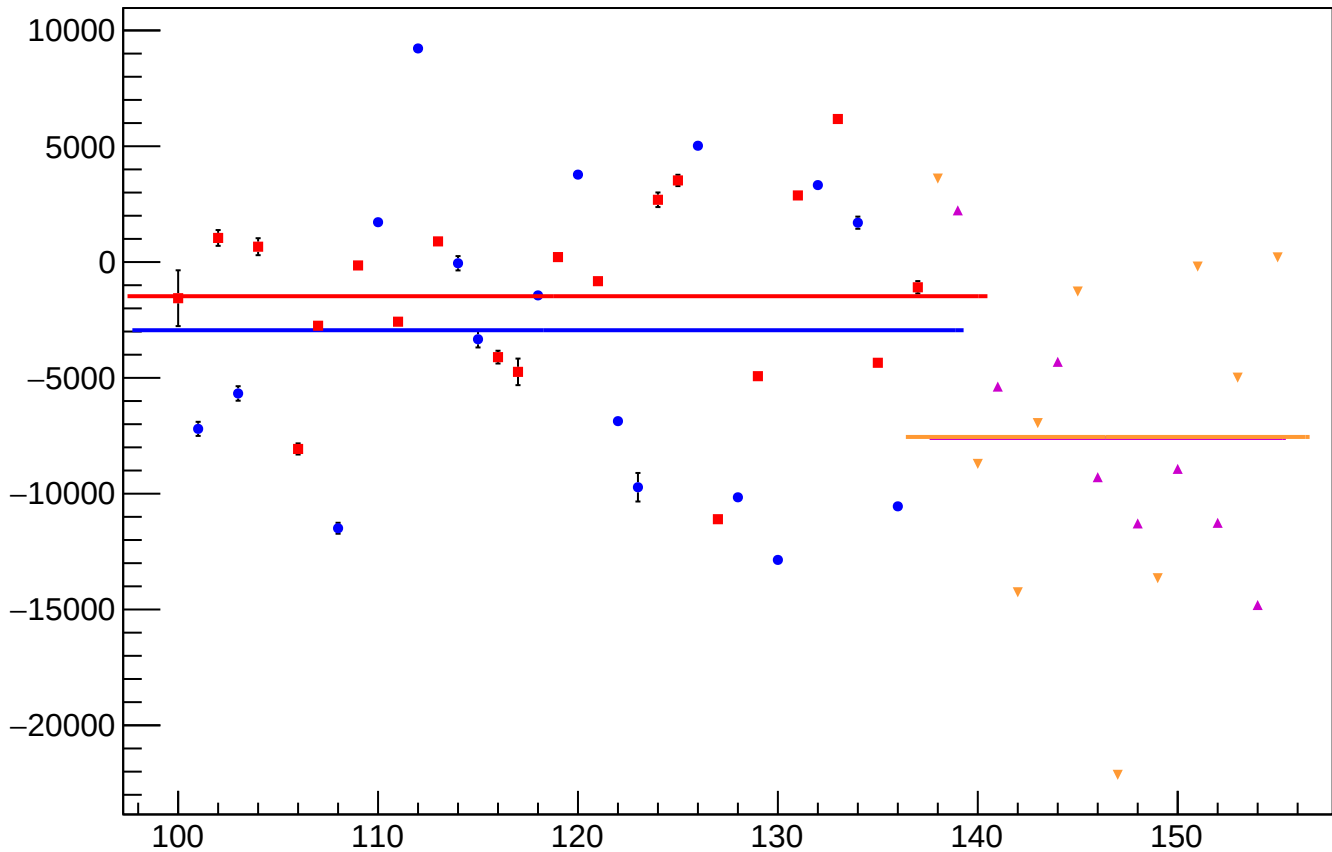
Left In: 213.006 +/- 0.062 χ^2/NDF : 665295.6/7

228.080 +/- 0.045 χ^2/NDF : 1418971.6/26

214.858 +/- 0.030 χ^2/NDF : 3478347.5/54

203.674 +/- 0.041 χ^2/NDF : 1900053.4/27

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2943.123+/-48.612 χ^2/NDF : 20909.8/16

Left Out: -7550.576+/-45.829 χ^2/NDF : 29292.5/9

Right Out: -1474.497+/-46.252 χ^2/NDF : 8028.6/19

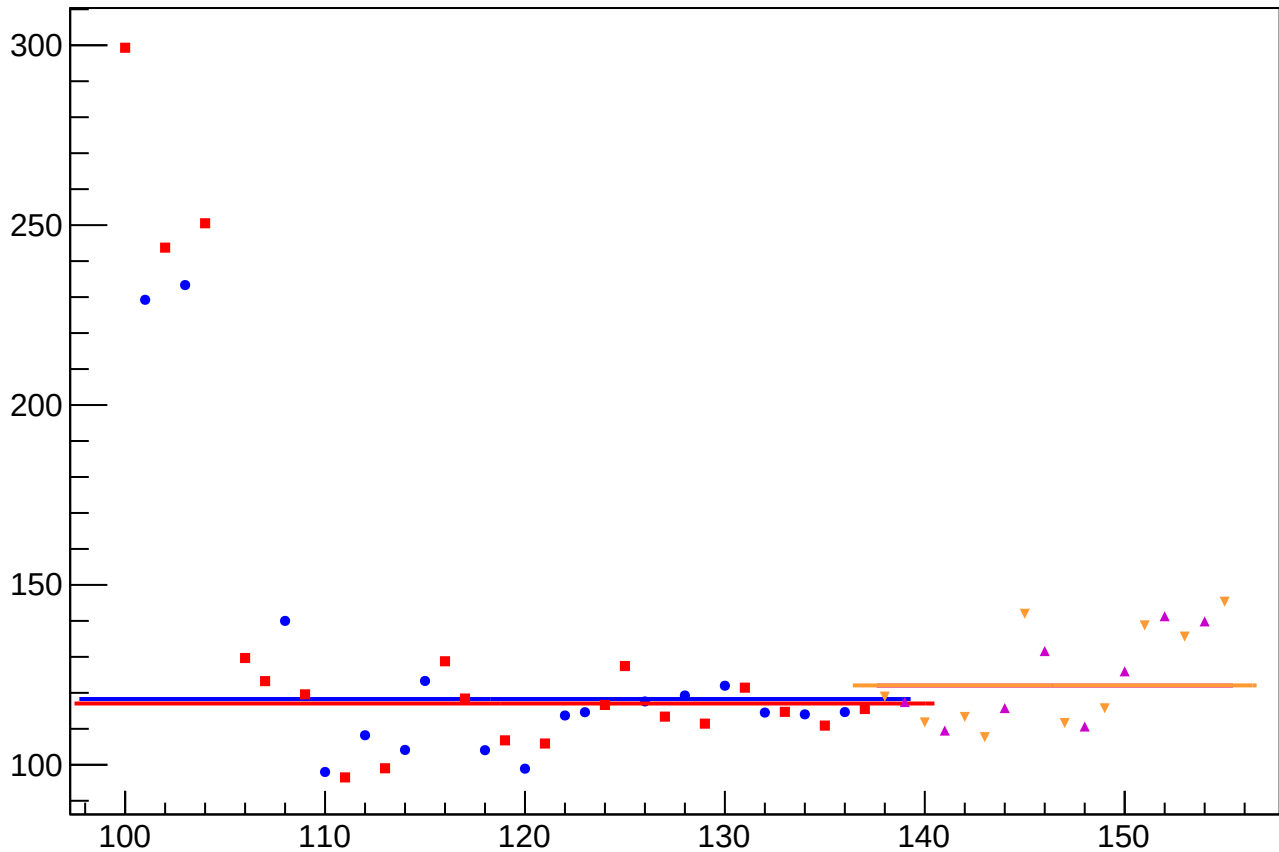
Left In: -7595.832+/-48.345 χ^2/NDF : 9655.5/7

-5382.497+/-33.347 χ^2/NDF : 54958.4/26

-4892.238+/-23.606 χ^2/NDF : 81446.2/54

-4399.796+/-33.421 χ^2/NDF : 26054.6/27

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.286 $\pm$ 0.034 χ^2 /NDF: 636918.0/16

Left Out: 122.069 $\pm$ 0.032 χ^2 /NDF: 167934.3/9

Right Out: 117.040 $\pm$ 0.033 χ^2 /NDF: 690873.1/19

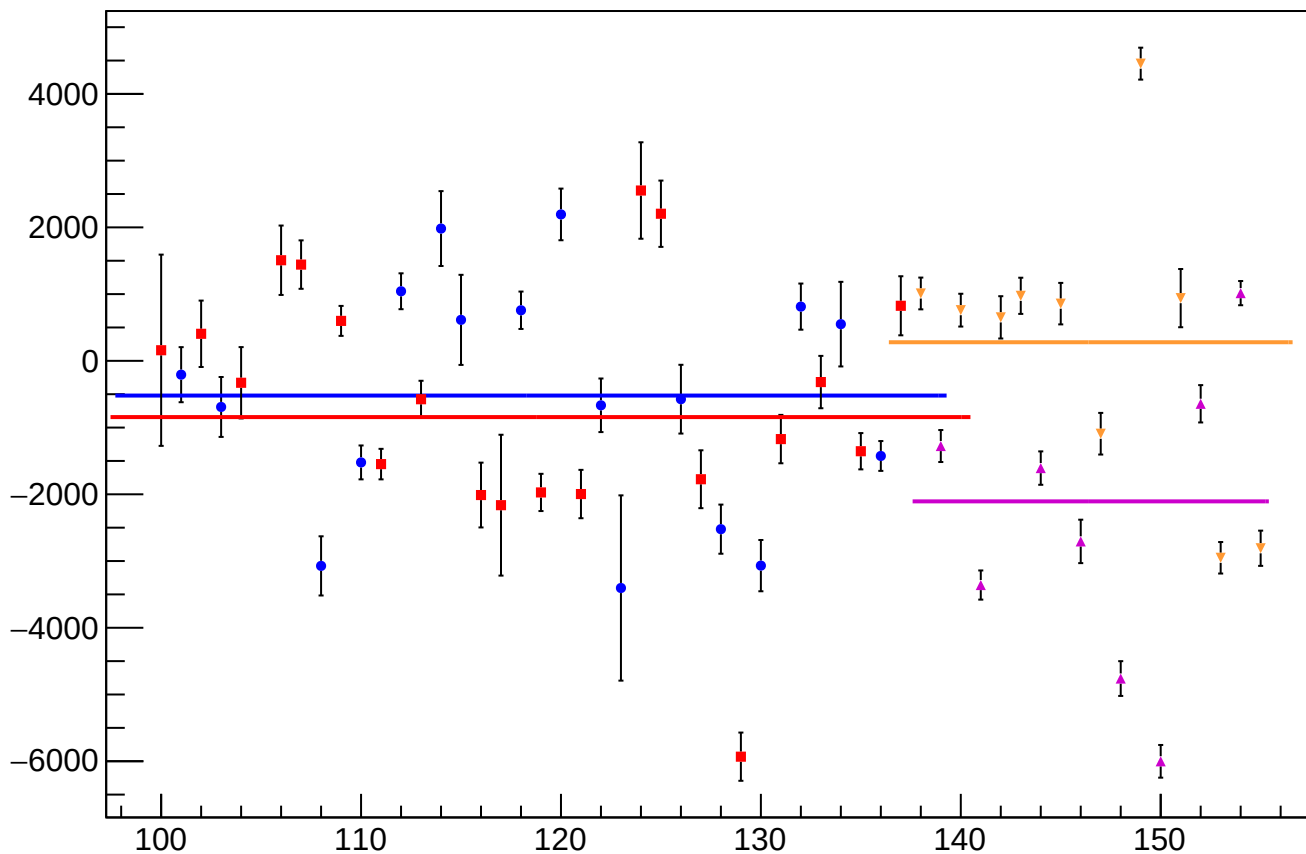
Left In: 122.010 $\pm$ 0.034 χ^2 /NDF: 112724.3/7

120.288 $\pm$ 0.024 χ^2 /NDF: 811265.3/26

119.853 $\pm$ 0.017 χ^2 /NDF: 1626580.5/54

119.415 $\pm$ 0.024 χ^2 /NDF: 814631.1/27

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -520.267 $\pm$ 89.241 χ^2/NDF : 288.1/16

Left Out: 278.763 $\pm$ 86.580 χ^2/NDF : 674.8/9

Right Out: -842.858 $\pm$ 82.024 χ^2/NDF : 436.3/19

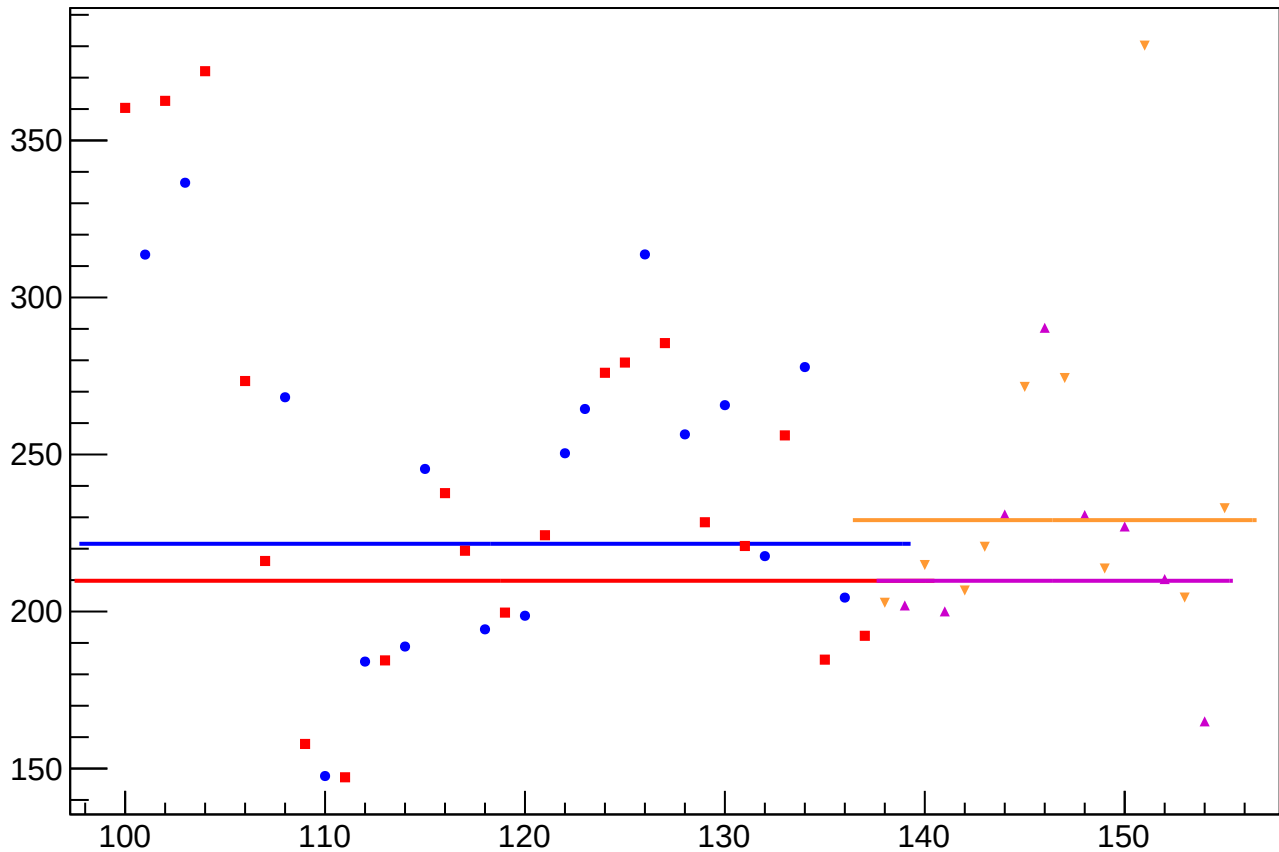
Left In: -2105.850 $\pm$ 85.020 χ^2/NDF : 732.4/7

-108.664 $\pm$ 62.141 χ^2/NDF : 1004.2/26

-814.637 $\pm$ 42.798 χ^2/NDF : 2532.8/54

-1451.711 $\pm$ 59.031 χ^2/NDF : 1283.0/27

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.570 +/- 0.063 χ^2/NDF : 644941.4/16

Left Out: 229.101 +/- 0.061 χ^2/NDF : 392815.3/9

Right Out: 209.794 +/- 0.058 χ^2/NDF : 884087.4/19

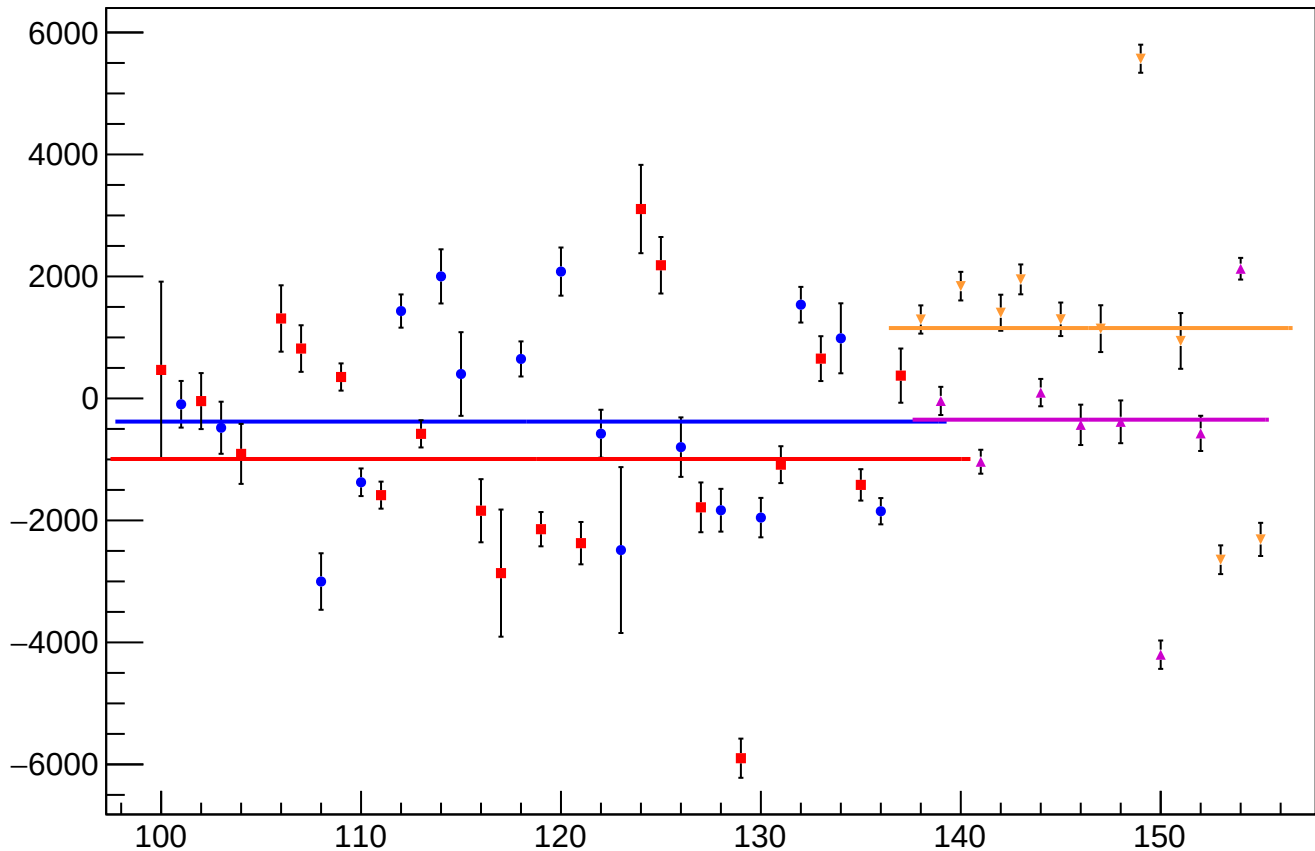
Left In: 209.790 +/- 0.060 χ^2/NDF : 287647.1/7

225.449 +/- 0.044 χ^2/NDF : 1045094.6/26

217.219 +/- 0.030 χ^2/NDF : 2283574.0/54

209.792 +/- 0.042 χ^2/NDF : 1171734.5/27

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -379.647 $\pm$ 84.260 χ^2/NDF : 317.2/16

Left Out: 1153.929 $\pm$ 84.459 χ^2/NDF : 810.7/9

Right Out: -992.944 $\pm$ 77.509 χ^2/NDF : 479.5/19

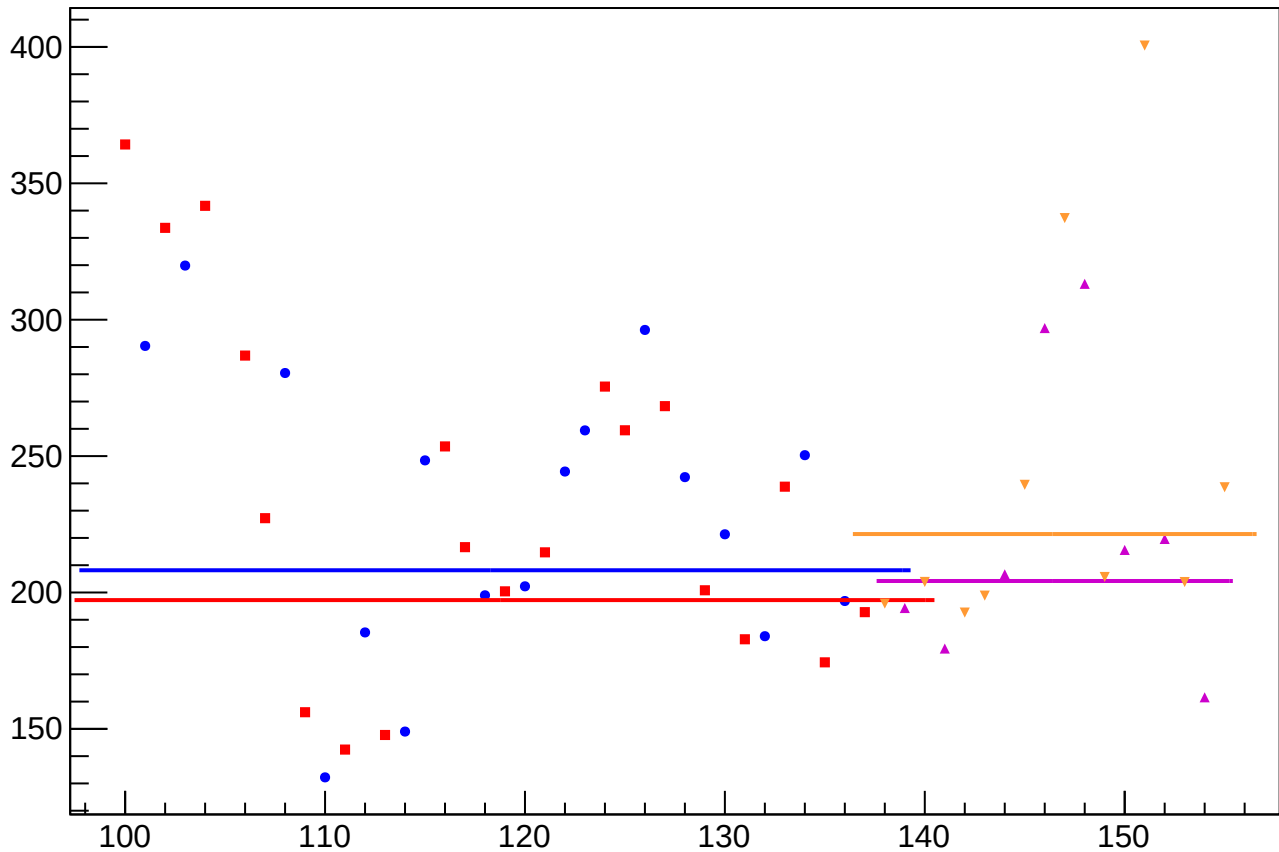
Left In: -348.397 $\pm$ 83.351 χ^2/NDF : 486.8/7

385.326 $\pm$ 59.651 χ^2/NDF : 1293.1/26

-181.147 $\pm$ 41.120 χ^2/NDF : 2463.3/54

-694.046 $\pm$ 56.760 χ^2/NDF : 998.3/27

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.151+/-0.060 χ^2/NDF : 699084.2/16

Left Out: 221.426+/-0.060 χ^2/NDF : 597839.9/9

Right Out: 197.210+/-0.055 χ^2/NDF : 927165.0/19

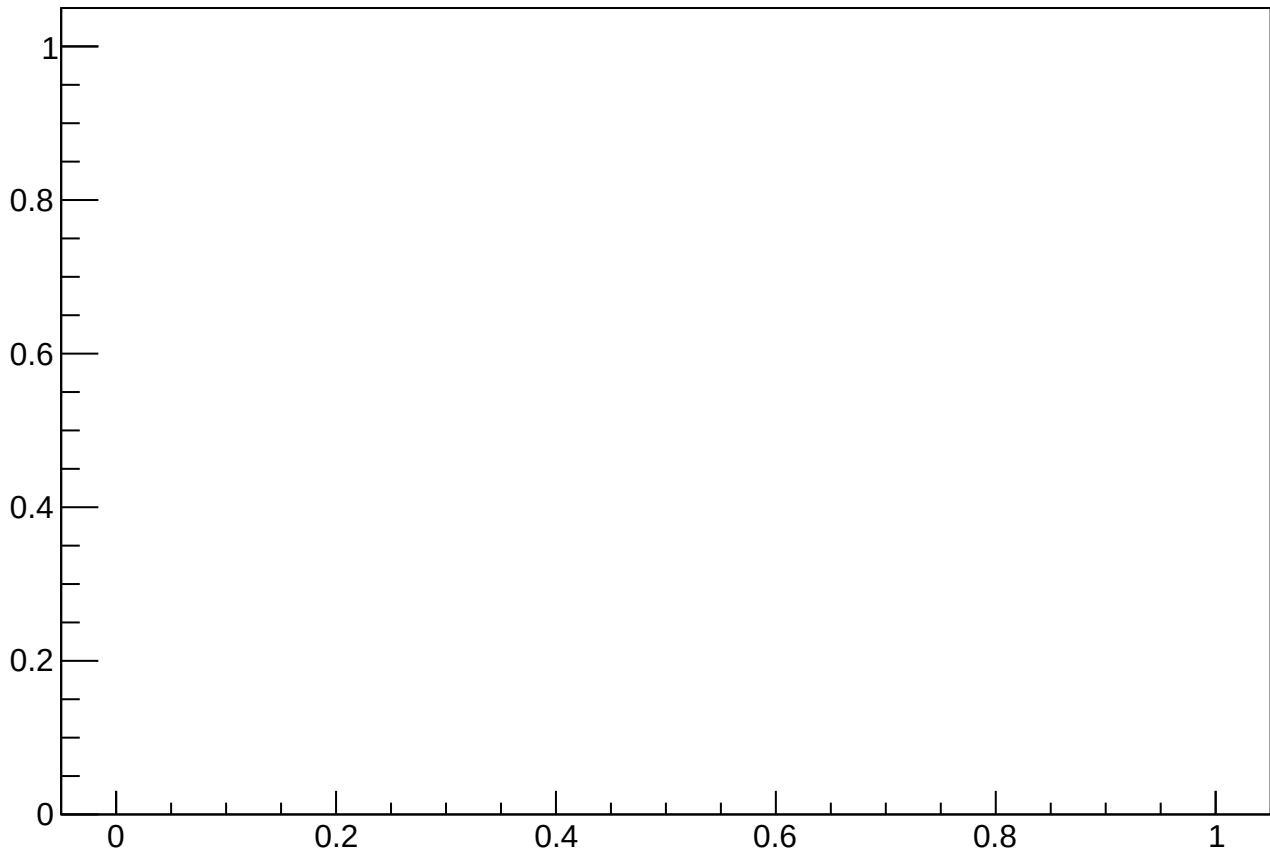
Left In: 204.213+/-0.059 χ^2/NDF : 511483.5/7

214.773+/-0.042 χ^2/NDF : 1321688.4/26

207.260+/-0.029 χ^2/NDF : 2828354.8/54

200.458+/-0.040 χ^2/NDF : 1446219.6/27

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

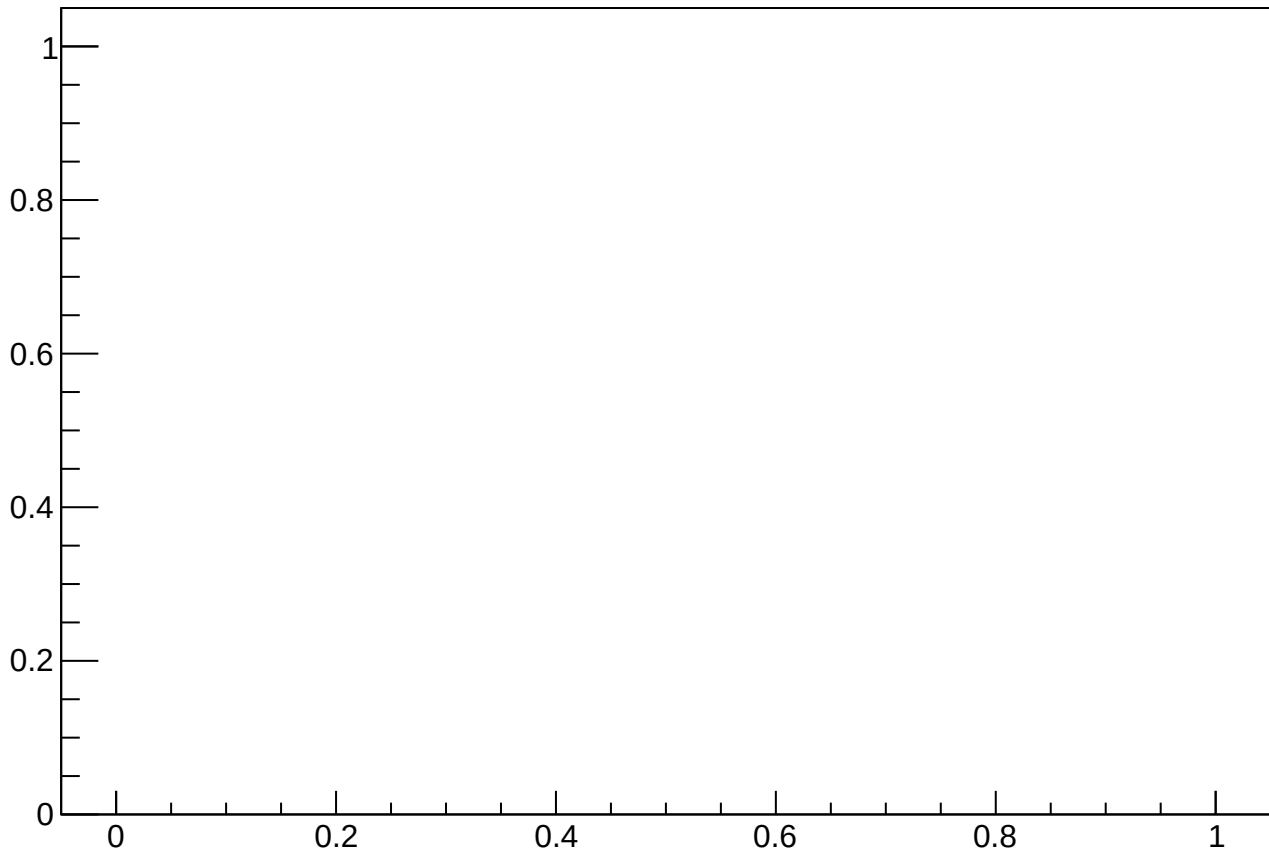
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

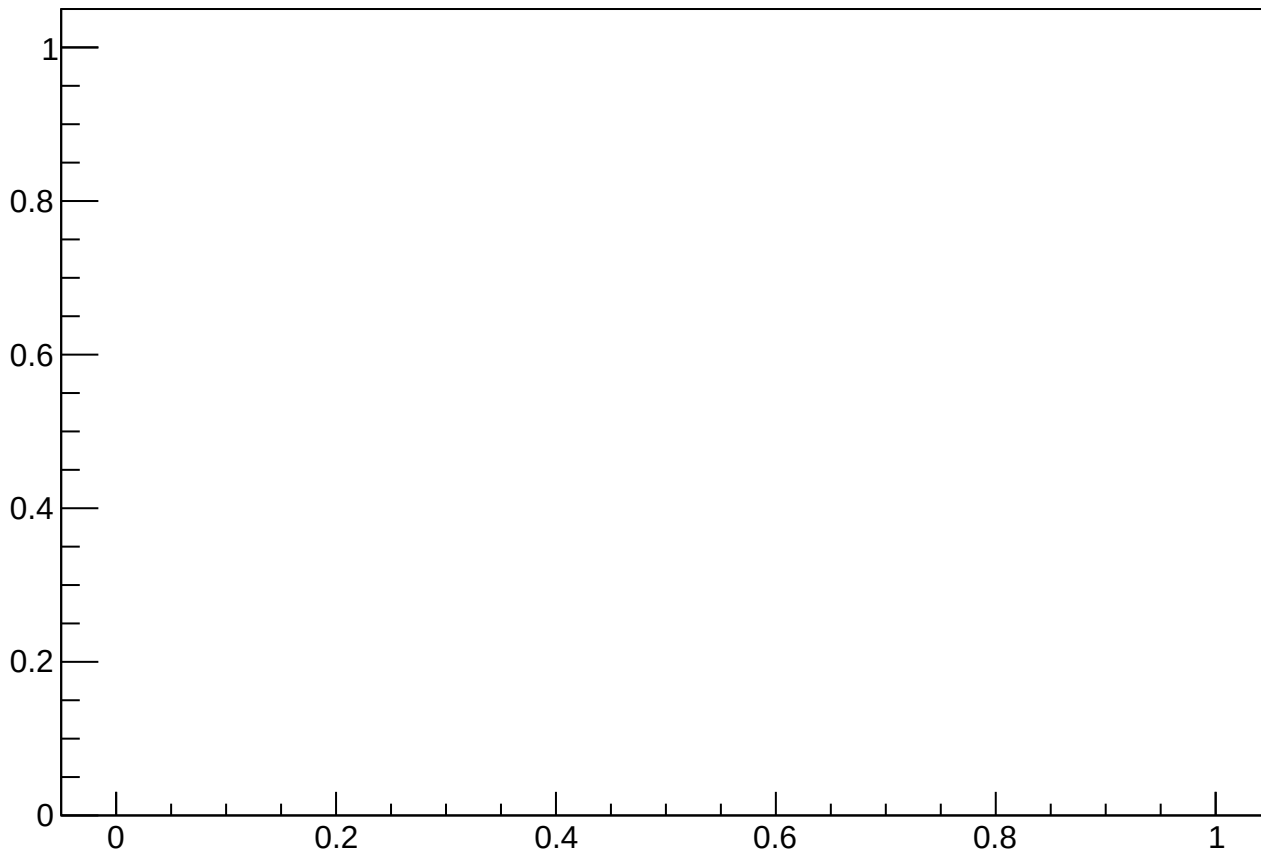
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

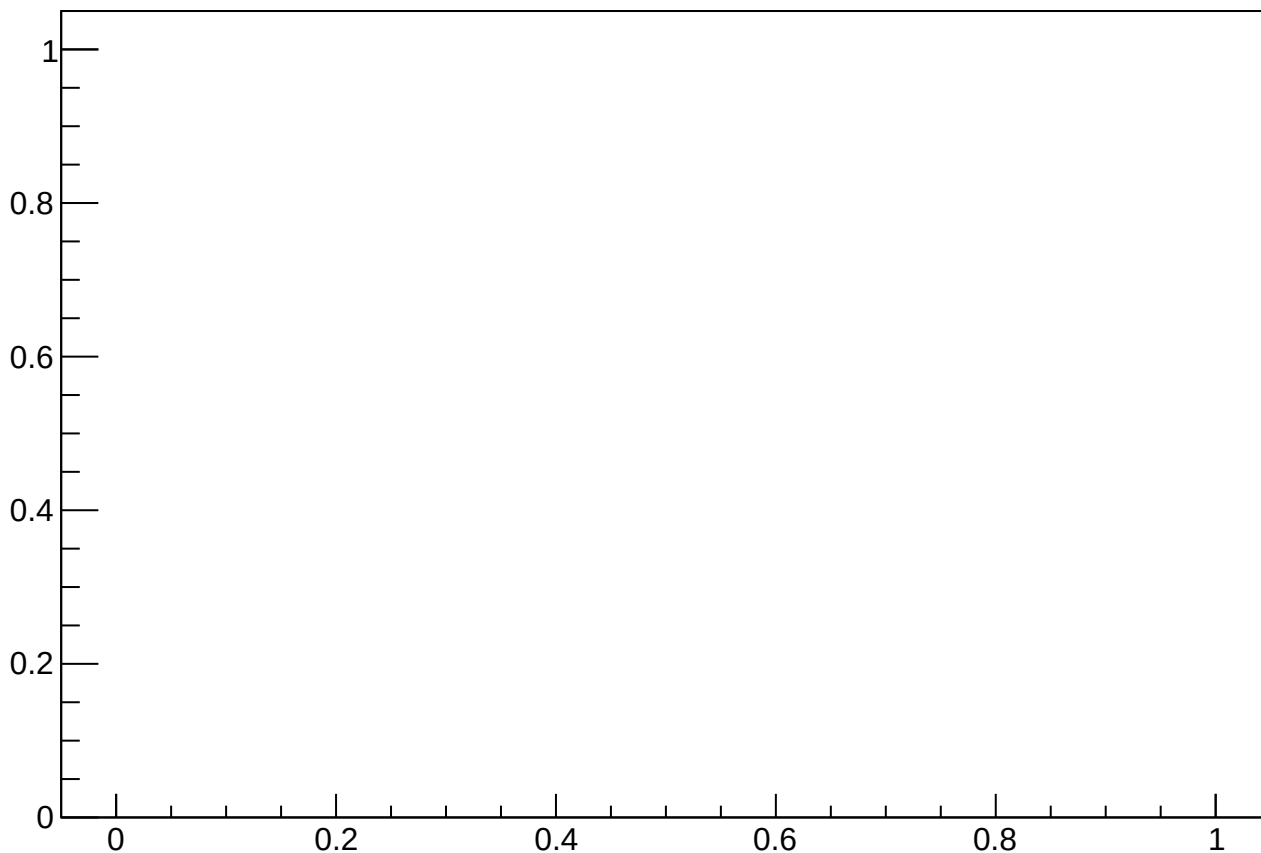
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

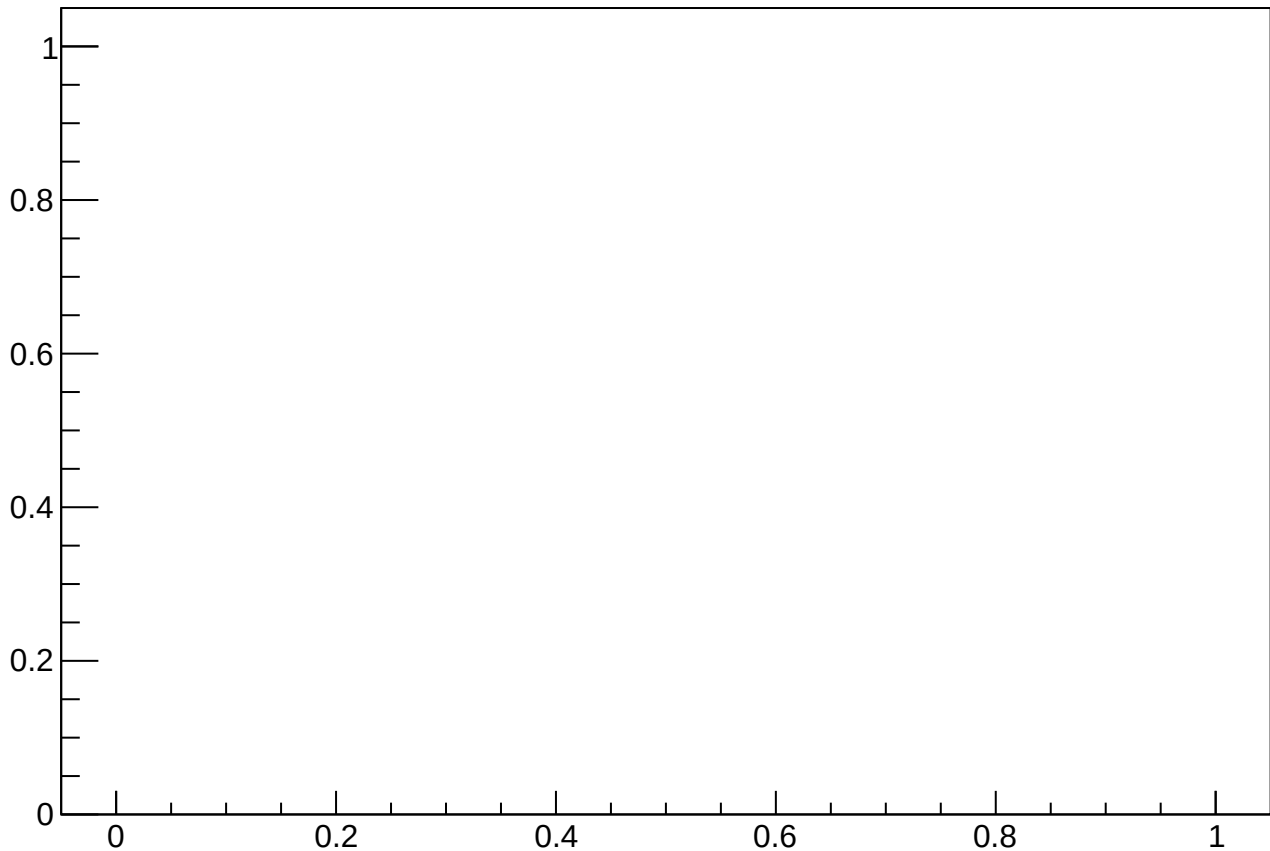
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

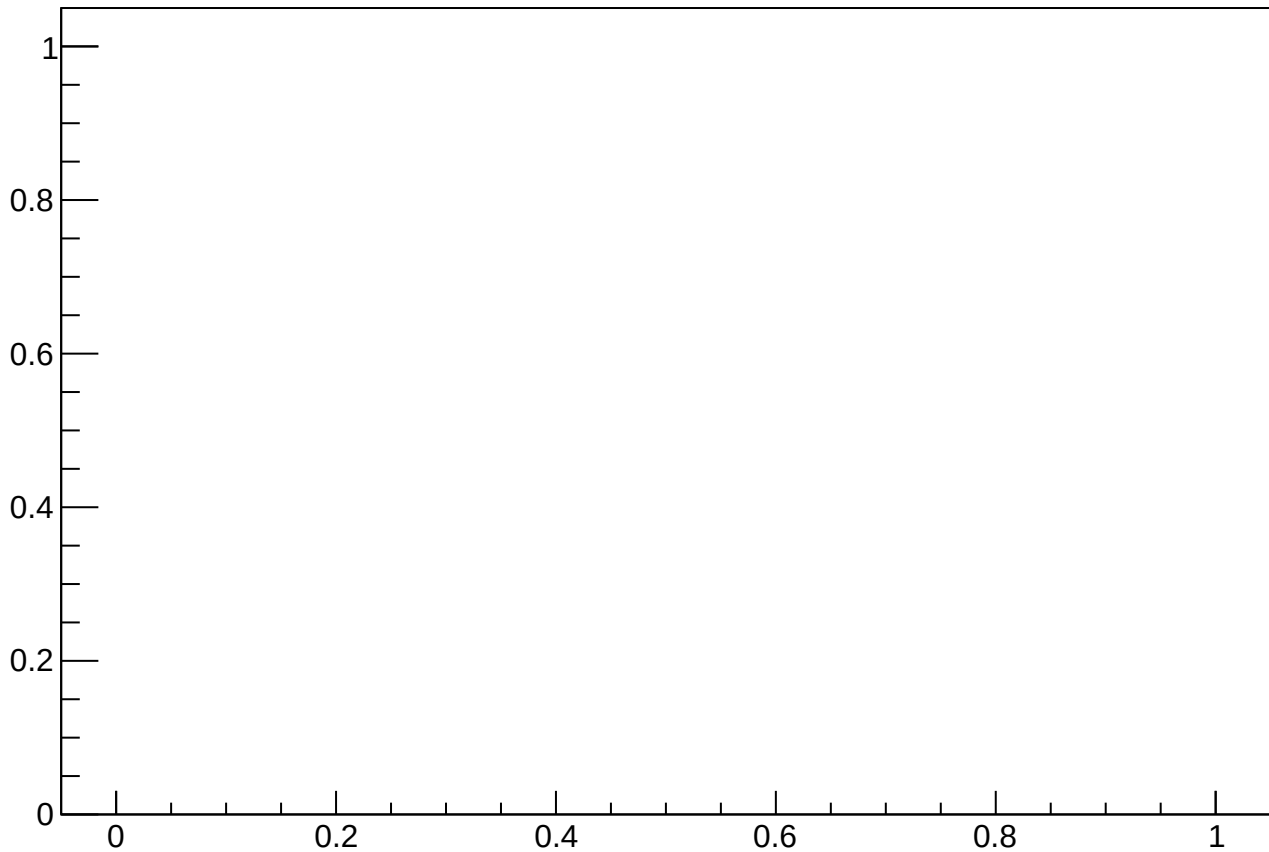
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

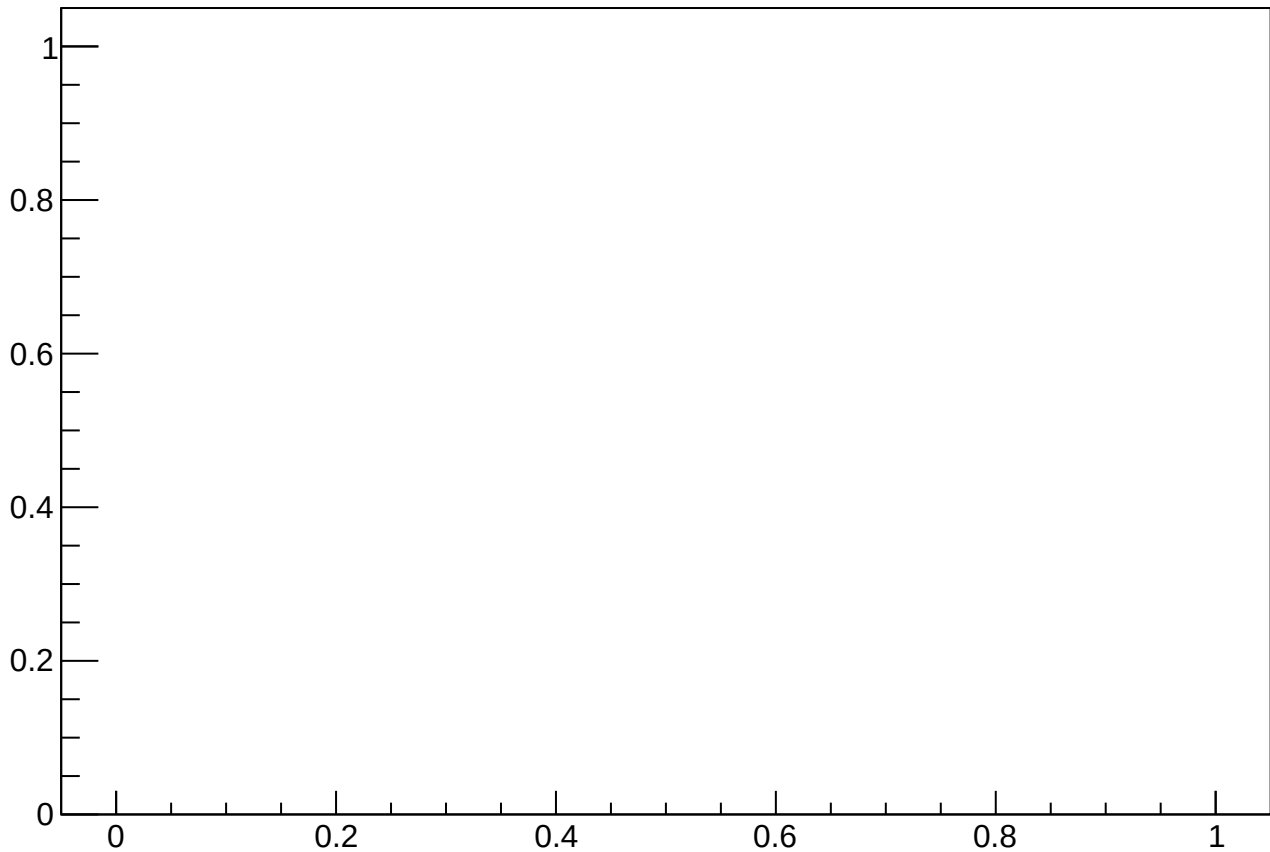
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

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

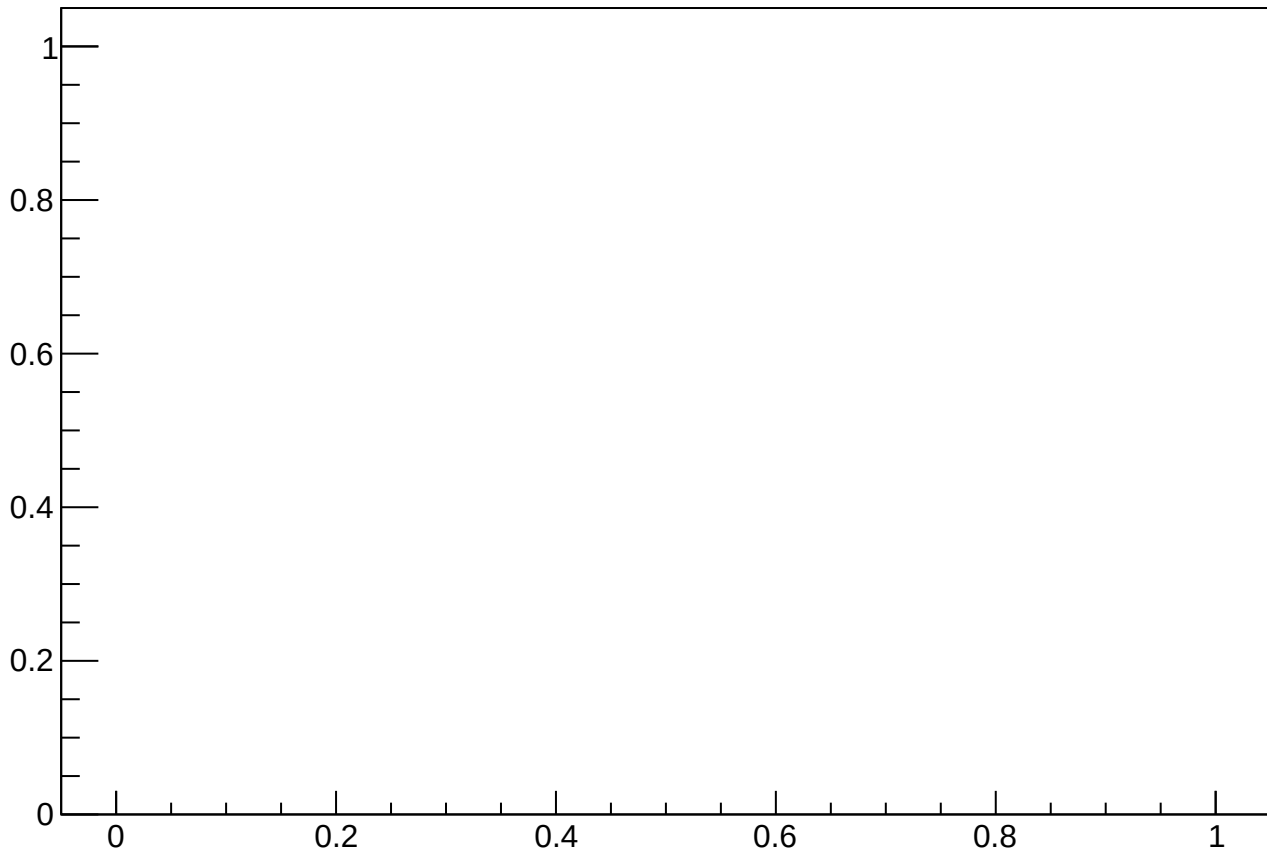
bcm_dg_ds_ds_dd_mean vs Slug, Sign Corrected



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

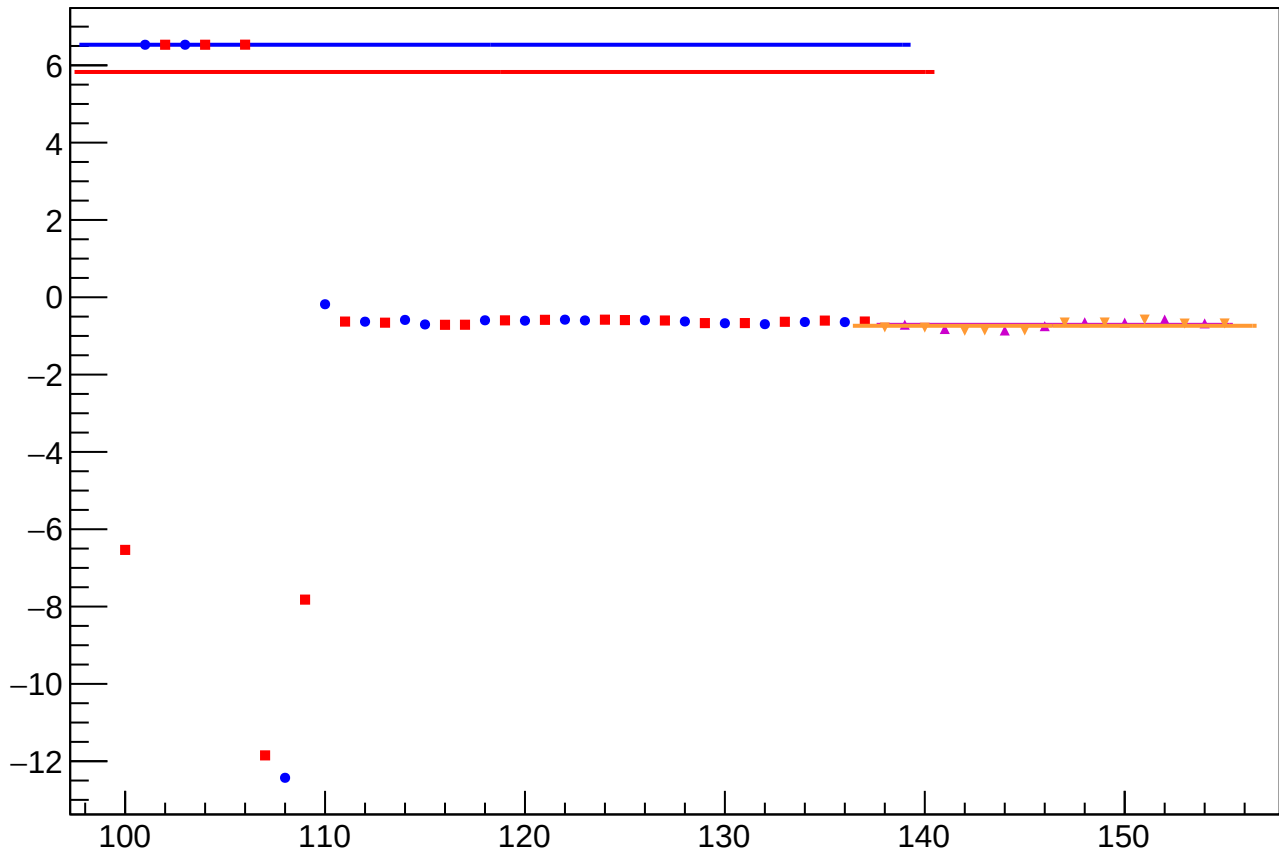
Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

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: -0.737+/-0.000 χ^2/NDF : 69227546.5/9

6.531+/-0.000 χ^2/NDF : 471052324064.6/26

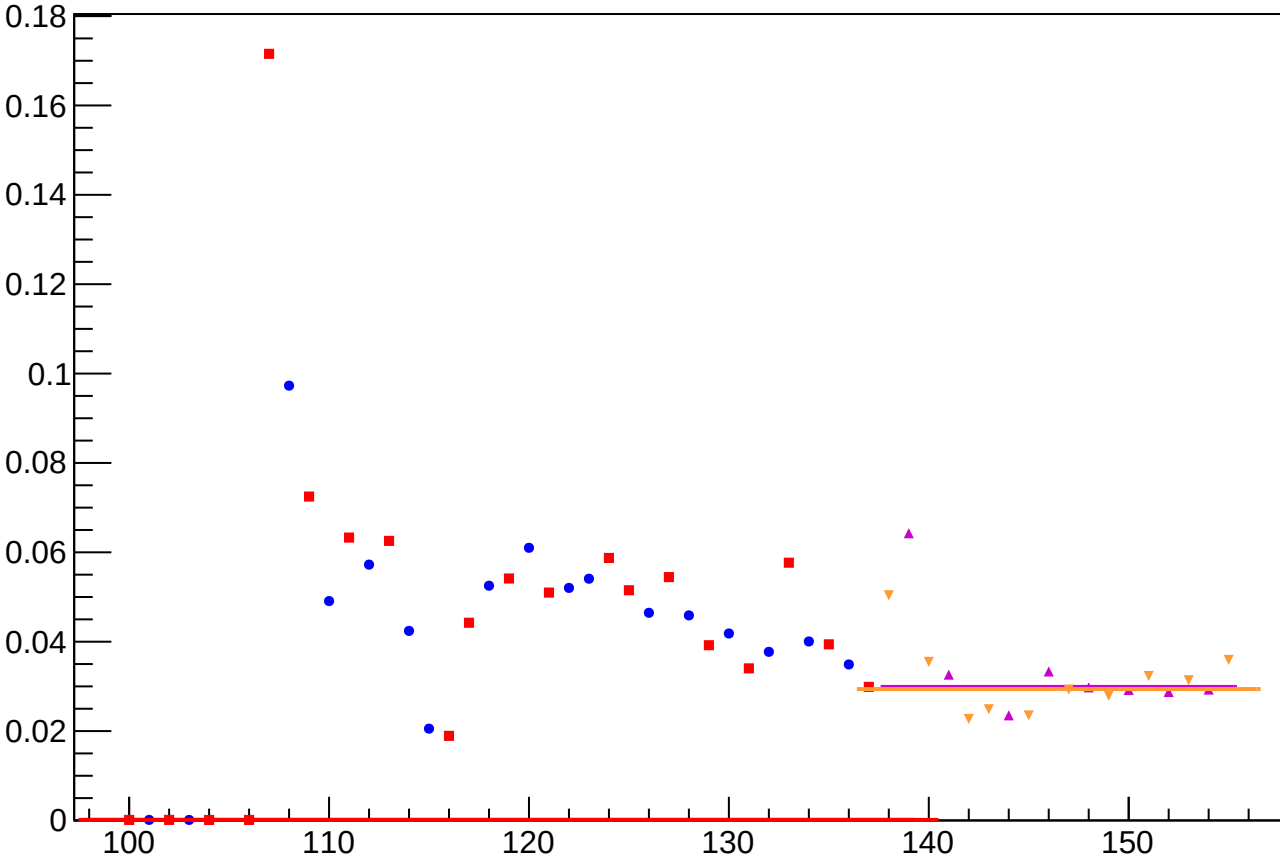
6.154+/-0.000 χ^2/NDF : 77667239635534

Right Out: 5.827+/-0.000 χ^2/NDF : 755964092355063.0/19

5.827+/-0.000 χ^2/NDF : 756206926701445.0/27

Left In: -0.713+/-0.000 χ^2/NDF : 53530905.8/7

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.029+/-0.000 χ^2/NDF :459272.2/9

Right Out: 0.000+/-0.000 χ^2/NDF : 9429256.2/19

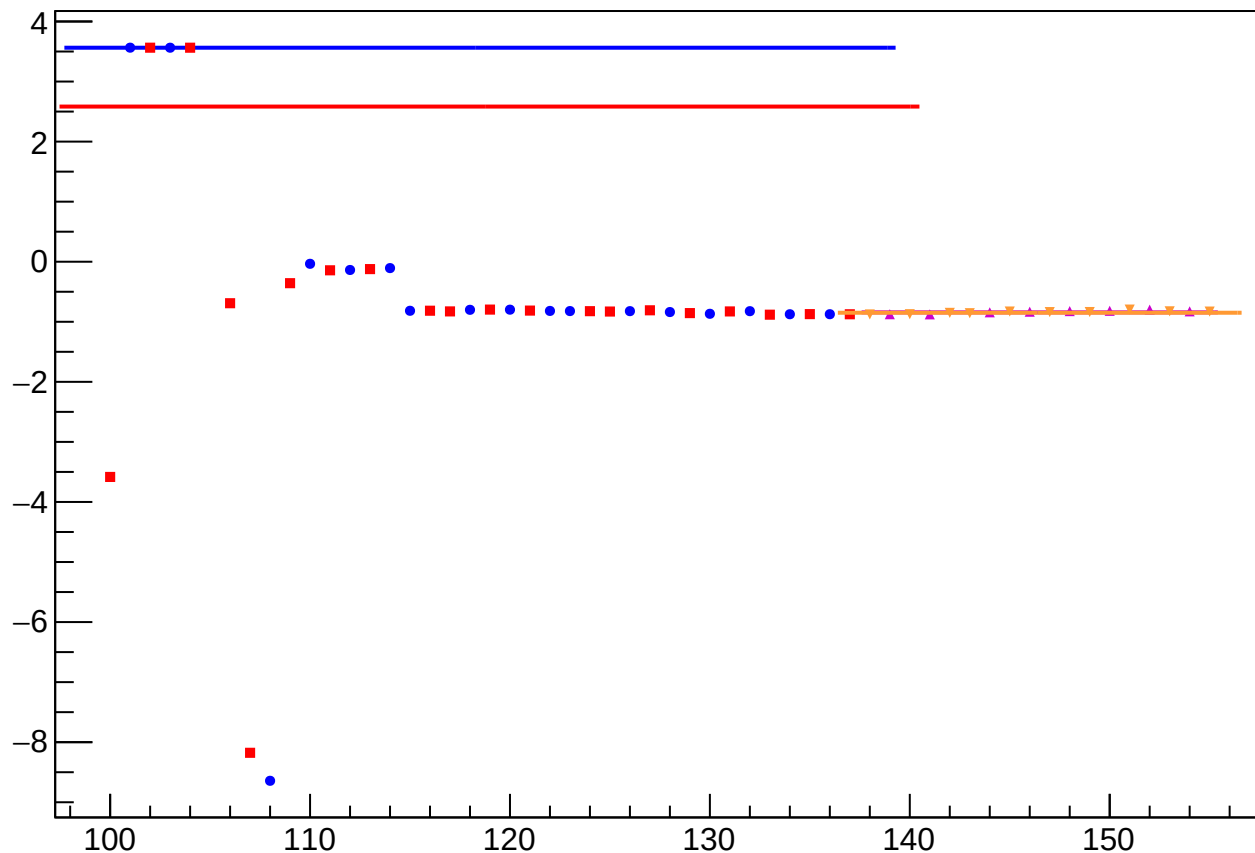
Left In: 0.030+/-0.000 $\chi^2/\text{NDF}: 517507.5/7$

0.000+/-0.000 χ^2/NDF : 20499477.9/26

0.000+/-0.000 χ^2/NDF : 40498229.1/54

0.000+/-0.000 χ^2/NDF : 19998318.3/27

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.849+/-0.000 χ^2/NDF : 34929776.0/9

Right Out: 2.583+/-0.000 χ^2/NDF : 1253503502448656.2/19

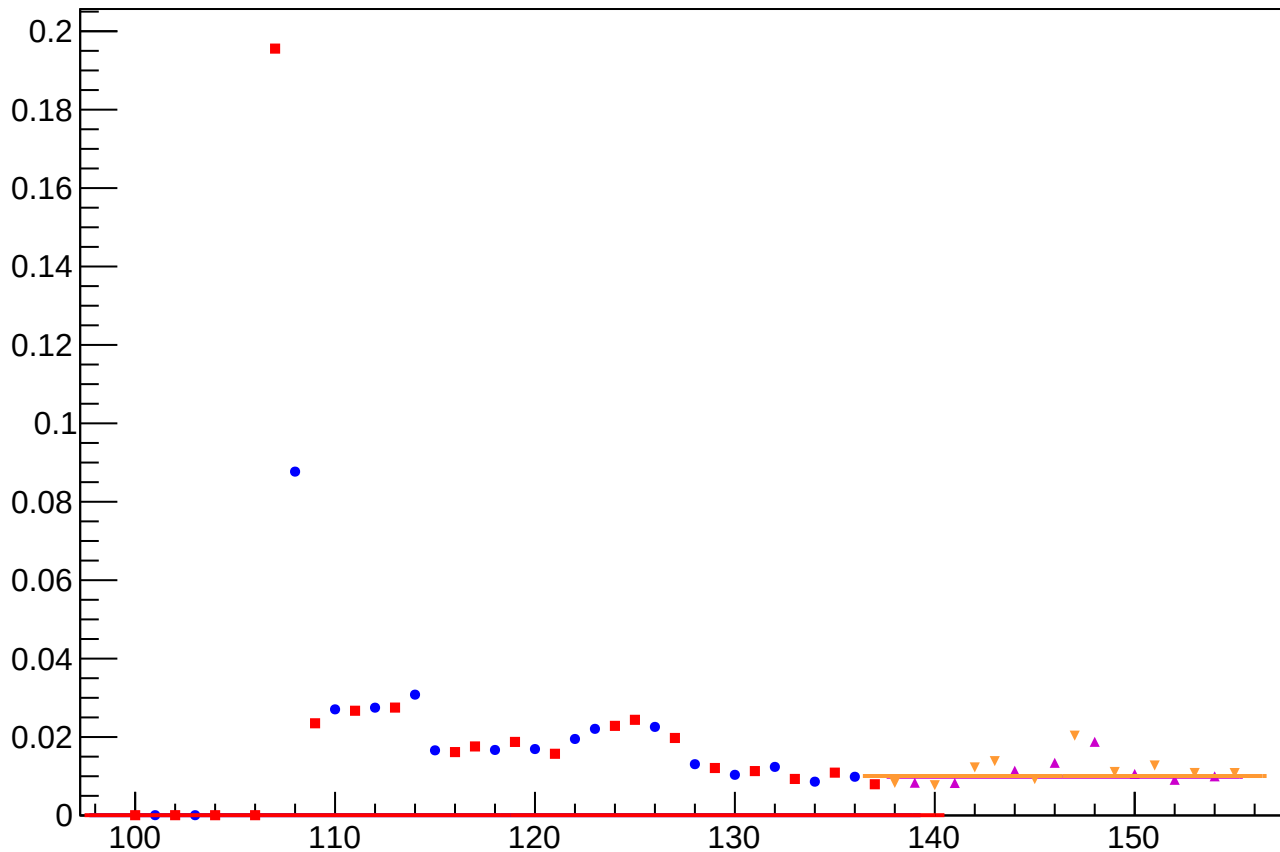
Left In: -0.843+/-0.000 χ^2/NDF : 47025170.5/7

3.562+/-0.000 χ^2/NDF : 1541108647311.4/26

3.040+/-0.000 χ^2/NDF : 13838633475878

2.583+/-0.000 χ^2/NDF : 1254113530889771.8/2

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9724059.3/16

Left Out: 0.010+/-0.000 χ^2/NDF : 722006.8/9

Right Out: 0.000+/-0.000 χ^2/NDF : 9937459.6/19

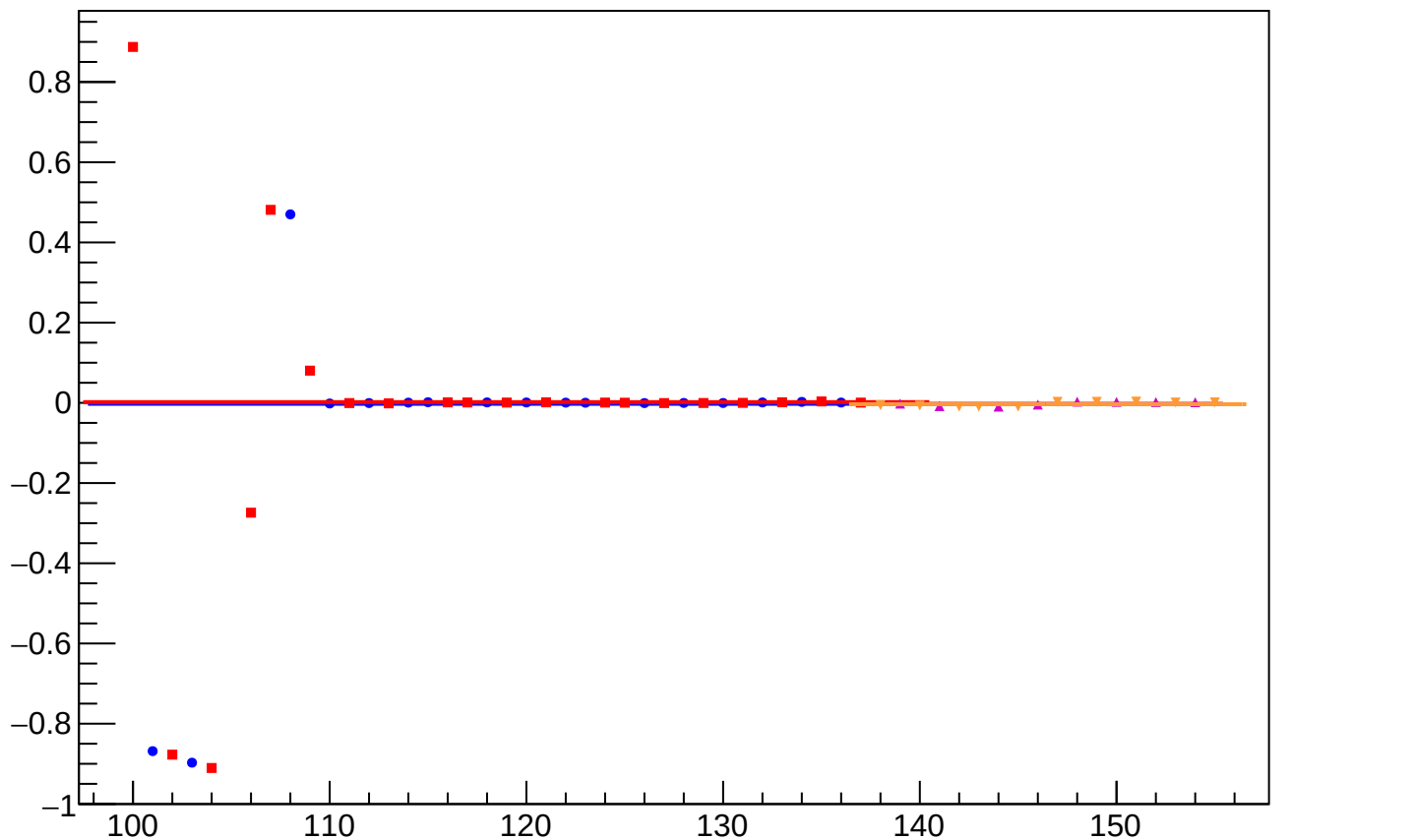
Left In: 0.010+/-0.000 χ^2/NDF : 532208.8/7

0.000+/-0.000 χ^2/NDF : 21308186.8/26

0.000+/-0.000 χ^2/NDF : 41758218.2/54

0.000+/-0.000 χ^2/NDF : 20449507.9/27

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 : 72220819.0/9

Right Out: 0.002+/-0.000 χ^2/NDF : 3041323813.4/19

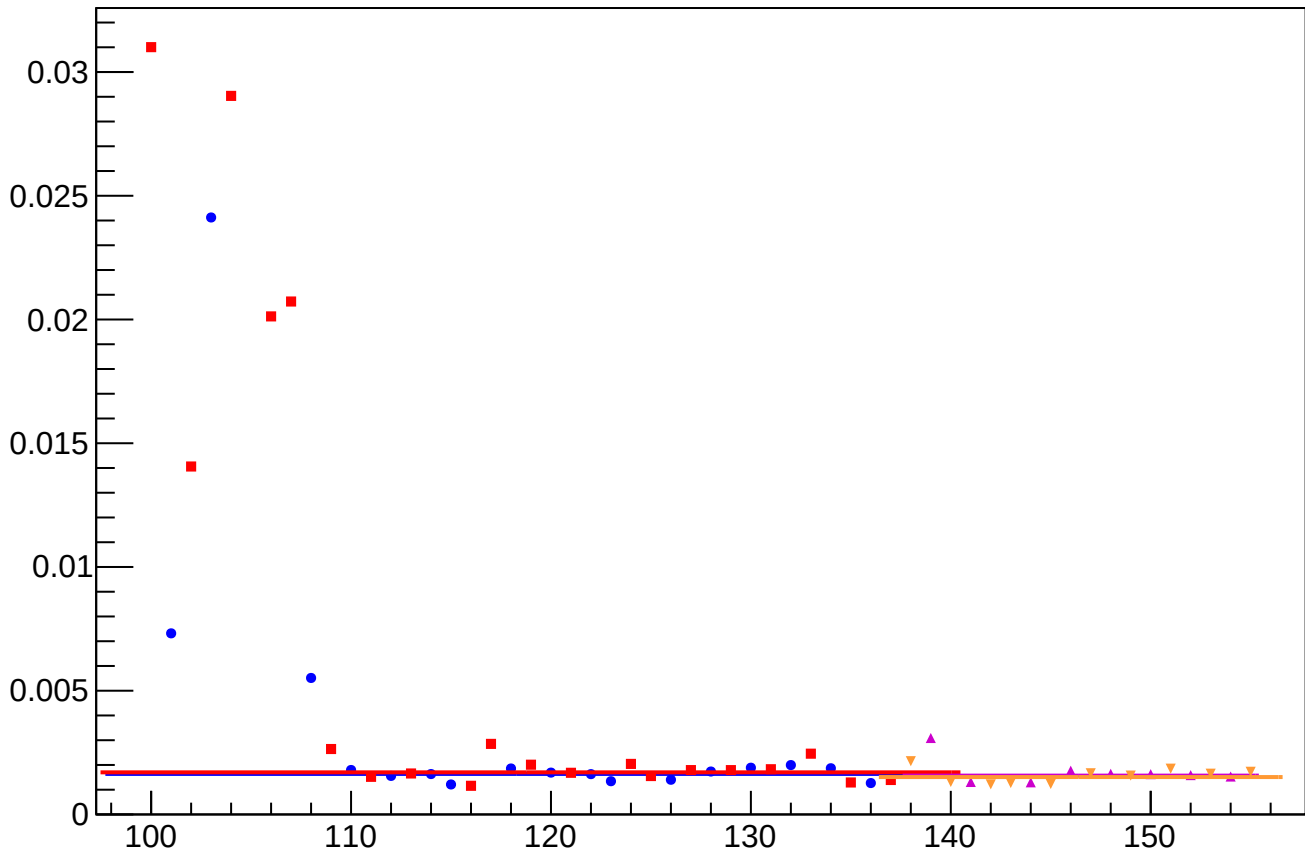
Left In: -0.002+/-0.000 χ^2/NDF : 53218801.4/7

-0.003+/-0.000 χ^2/NDF : 9868279969.5/26

-0.002+/-0.000 χ^2/NDF : 12990088529.7/5

-0.001+/-0.000 χ^2/NDF : 3110407277.8/27

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 : 341072.7/9

Right Out: 0.002+/-0.000 χ^2/NDF : 3037006.7/19

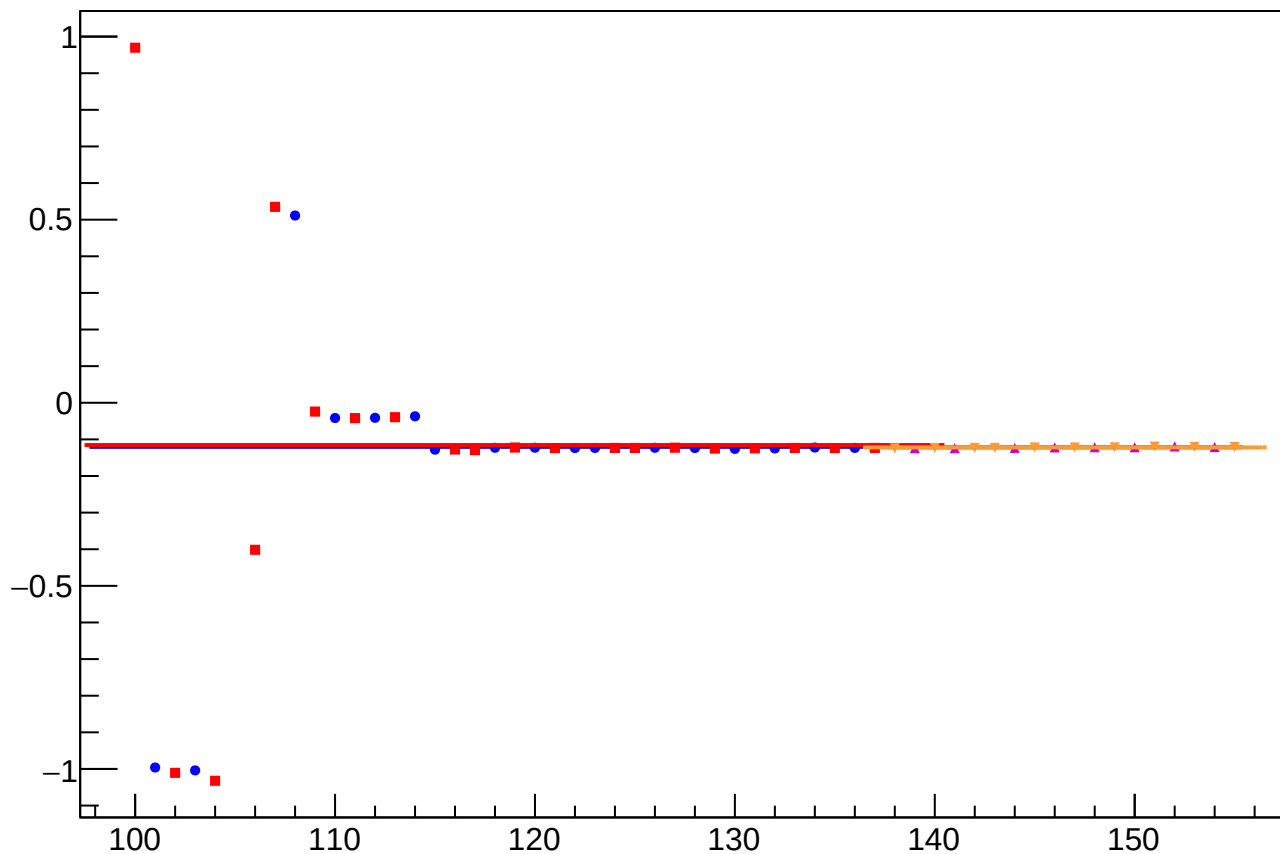
Left In: 0.002+/-0.000 χ^2/NDF : 469191.4/7

0.002+/-0.000 χ^2/NDF : 2289525.0/26

0.002+/-0.000 χ^2/NDF : 5842305.9/54

0.002+/-0.000 χ^2/NDF : 3537256.3/27

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 : 9414575.3/9

Right Out: -0.115+/-0.000 χ^2/NDF : 2458475073.1/19

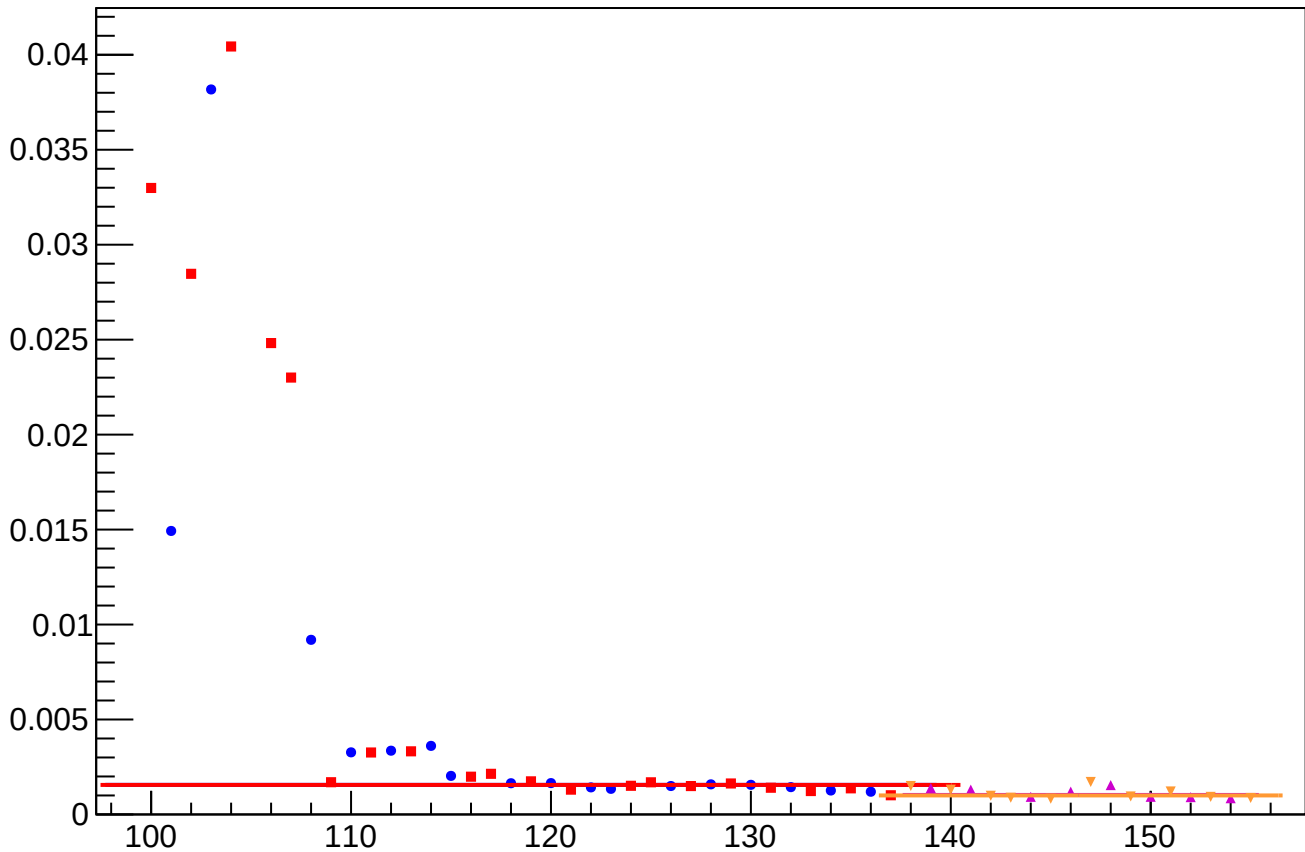
Left In: -0.122+/-0.000 χ^2/NDF : 12516333.4/7

-0.122+/-0.000 χ^2/NDF : 3945165691.9/26

-0.121+/-0.000 χ^2/NDF : 6478984183.3/54

-0.120+/-0.000 χ^2/NDF : 2525771145.1/27

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 : 654469.4/9

Right Out: 0.002+/-0.000 χ^2/NDF : 3545212.9/19

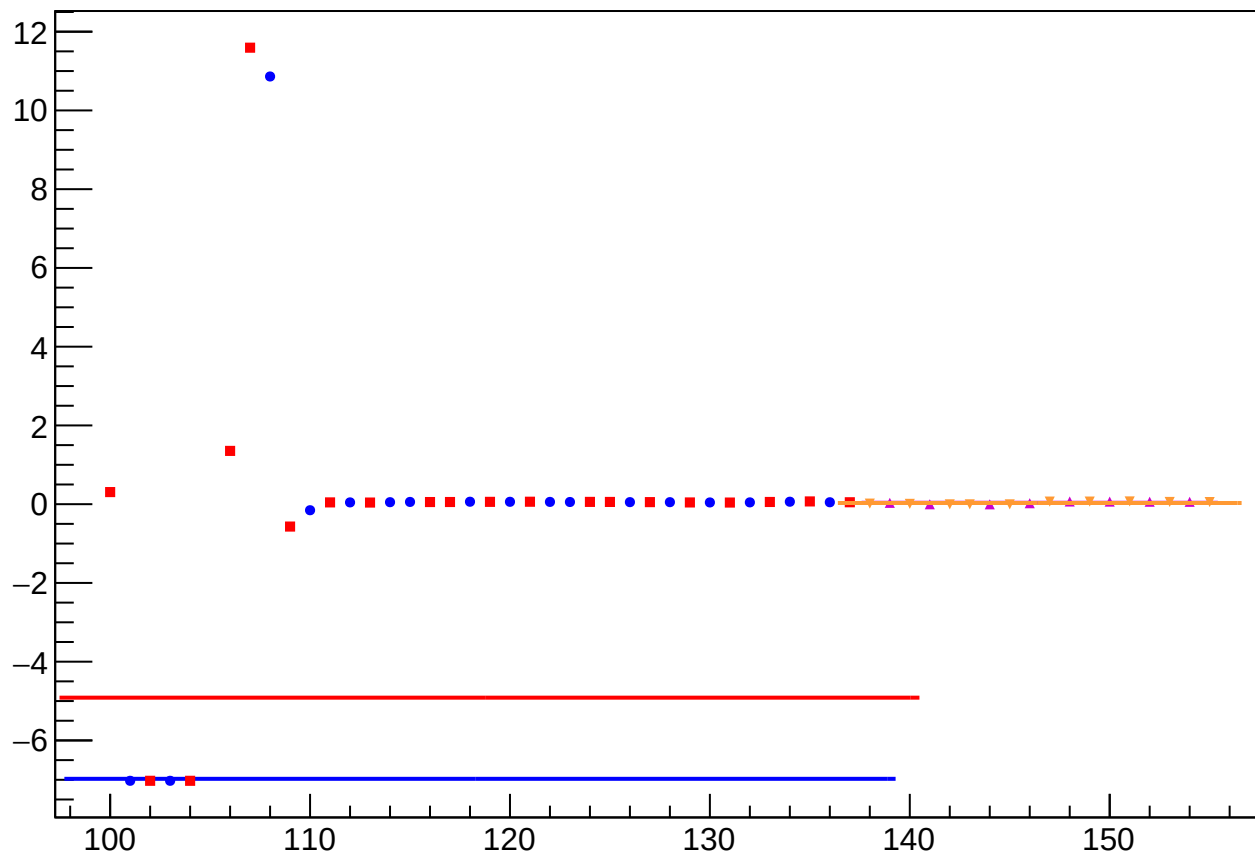
Left In: 0.001+/-0.000 χ^2/NDF : 486167.0/7

0.001+/-0.000 χ^2/NDF : 4456200.1/26

0.001+/-0.000 χ^2/NDF : 9289325.3/54

0.001+/-0.000 χ^2/NDF : 4823392.6/27

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975+/-0.000 χ^2/NDF : 8749579700722.8/16

Left Out: 0.030+/-0.000 χ^2/NDF : 70984615.6/9

Right Out: -4.914+/-0.000 χ^2/NDF : 365362121338855.3/19

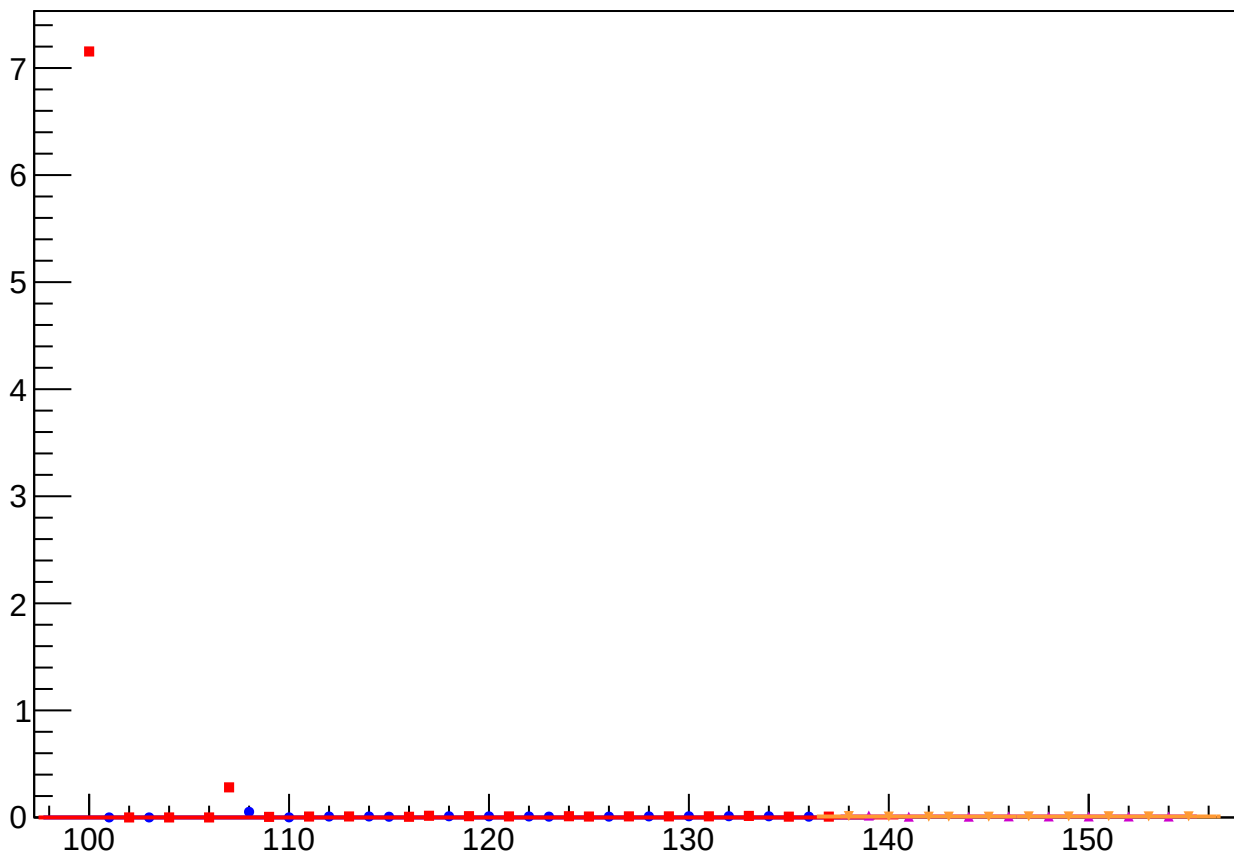
Left In: 0.036+/-0.000 χ^2/NDF : 57649491.2/7

-6.956+/-0.000 χ^2/NDF : 12211347742392.3/26

-5.885+/-0.000 χ^2/NDF : 43491437088415

-4.903+/-0.000 χ^2/NDF : 366836387823690.1/2

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:343699.5/9

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 8854773.0/19

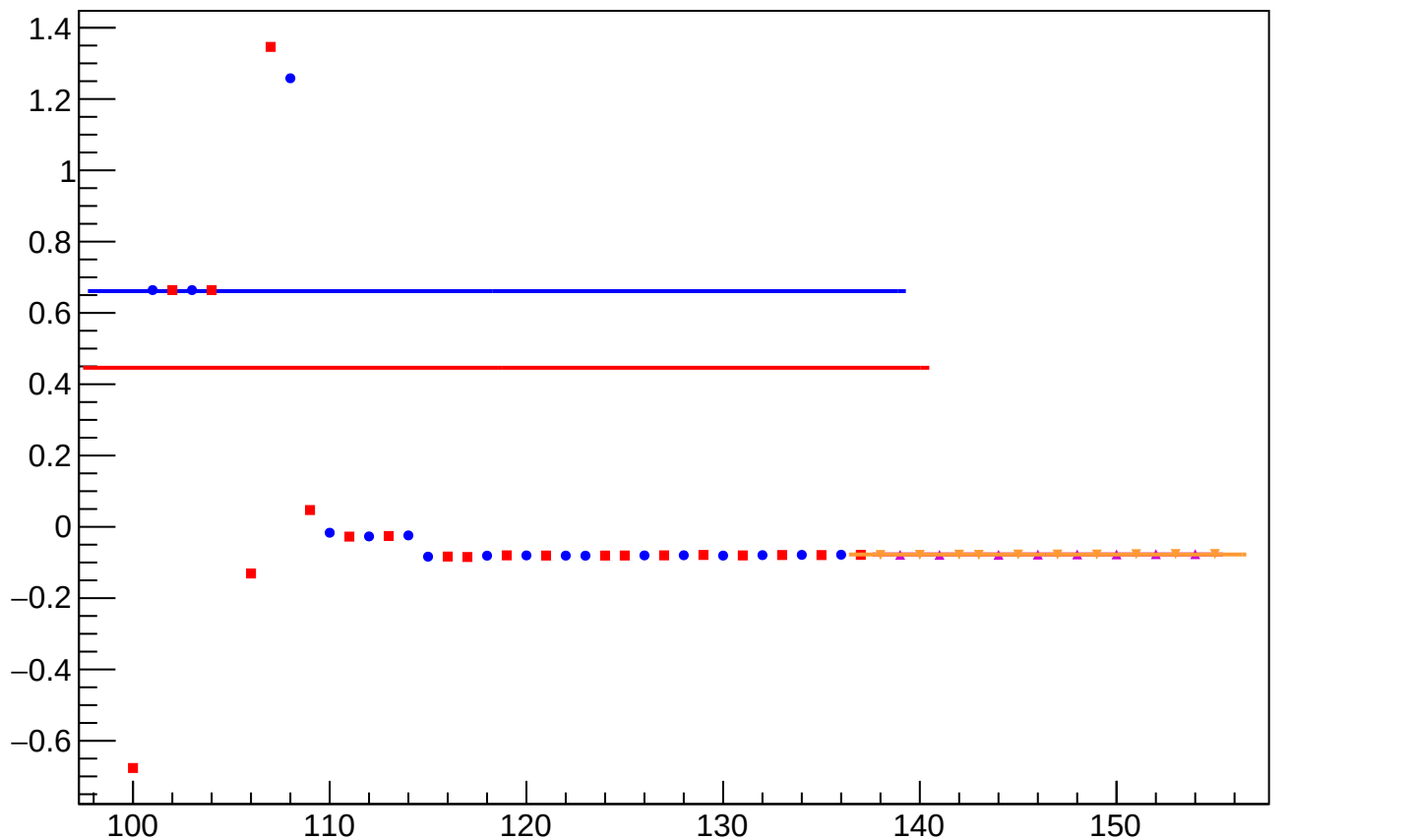
Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:469438.4/7

0.000 $\pm$ 0.000 χ^2 /NDF: 19324630.0/26

0.000 $\pm$ 0.000 χ^2 /NDF: 38415108.3/54

0.000 $\pm$ 0.000 χ^2 /NDF: 19088832.9/27

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 : 18588272.2/9

Right Out: 0.446+/-0.000 χ^2/NDF : 405423069582977.9/19

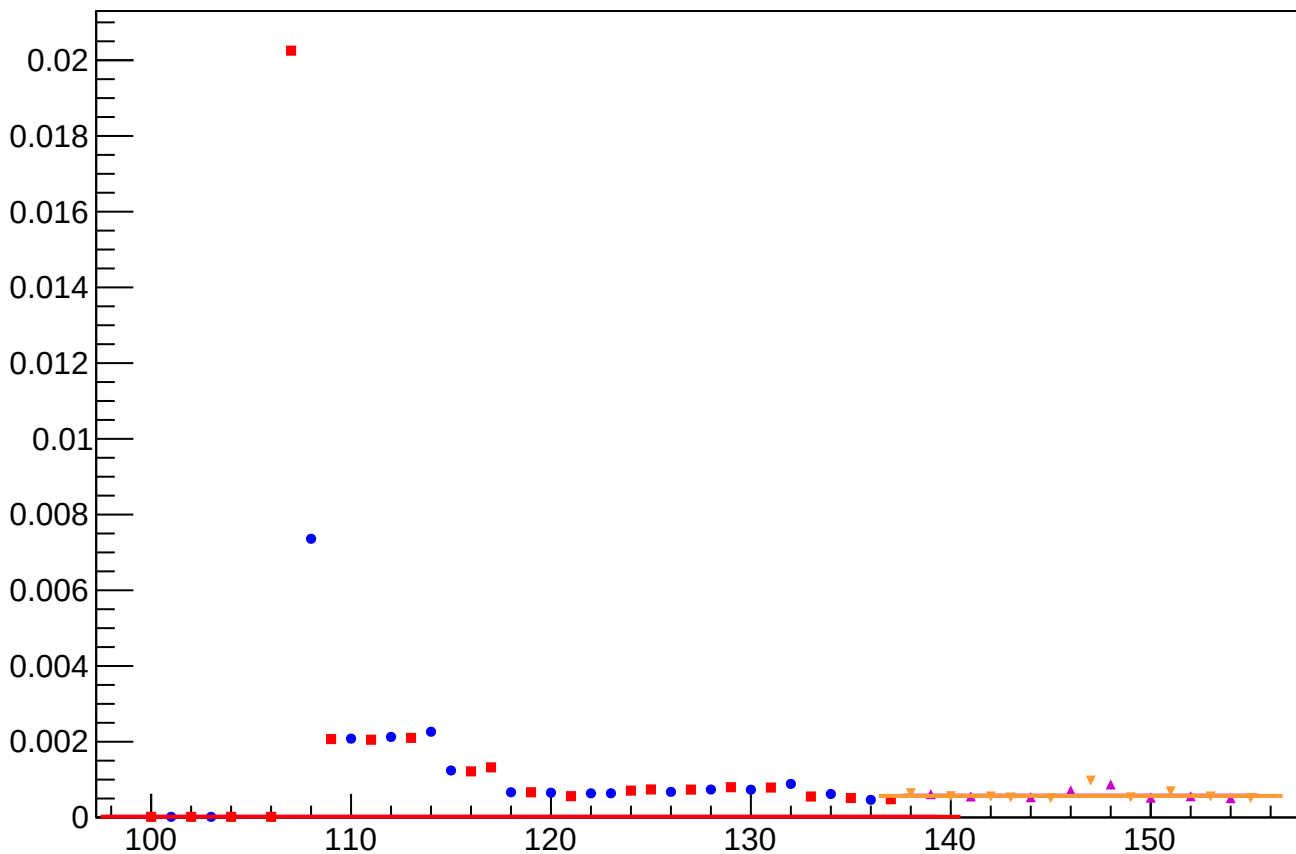
Left In: -0.078+/-0.000 χ^2/NDF : 11683186.9/7

0.655+/-0.000 χ^2/NDF : 17038838397587.5/26

0.544+/-0.000 χ^2/NDF : 48946836514148

0.443+/-0.000 χ^2/NDF : 410521348093365.9/27

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 : 378616.9/9

Right Out: 0.000+/-0.000 χ^2/NDF : 9555089.8/19

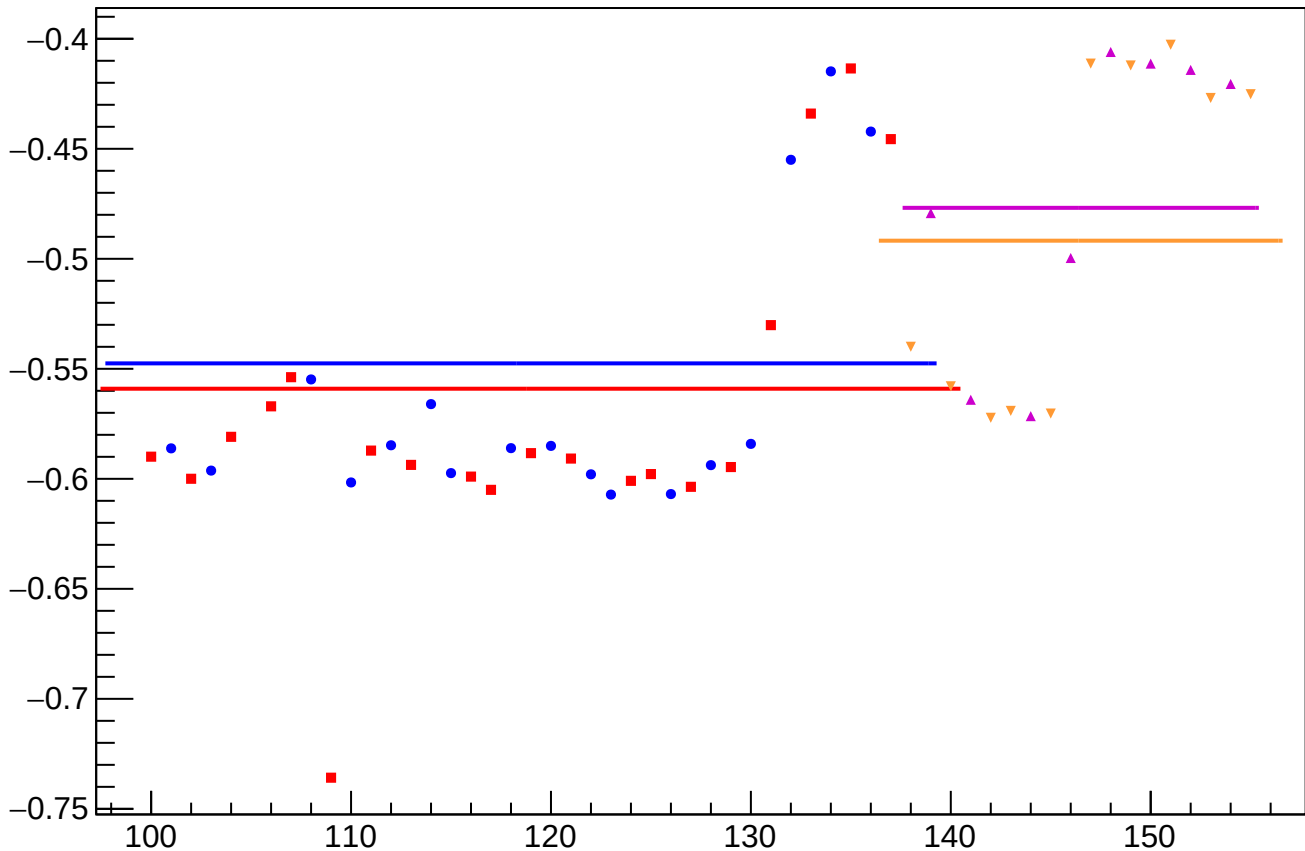
Left In: 0.001+/-0.000 χ^2/NDF : 300405.5/7

0.000+/-0.000 χ^2/NDF : 22946782.2/26

0.000+/-0.000 χ^2/NDF : 44333389.6/54

0.000+/-0.000 χ^2/NDF : 21384672.4/27

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.548+/-0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.492+/-0.000 χ^2/NDF : 80403821.0/9

Right Out: -0.559+/-0.000 χ^2/NDF : 65389755.0/19

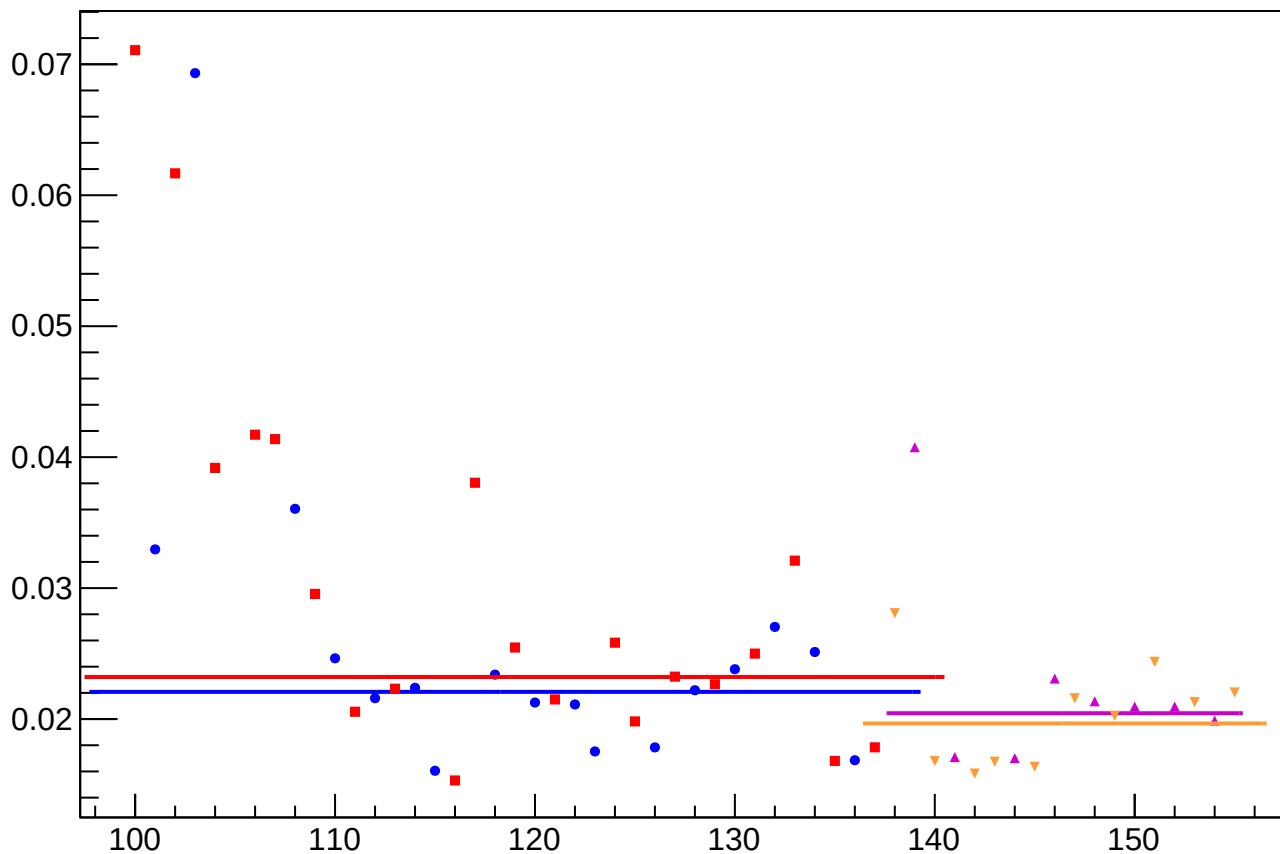
Left In: -0.477+/-0.000 χ^2/NDF : 60826452.4/7

-0.515+/-0.000 χ^2/NDF : 147691120.6/26

-0.514+/-0.000 χ^2/NDF : 310877492.0/54

-0.514+/-0.000 χ^2/NDF : 163168752.8/27

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 954779.5/16

Left Out: 0.020+/-0.000 χ^2/NDF : 328200.4/9

Right Out: 0.023+/-0.000 χ^2/NDF : 1169013.8/19

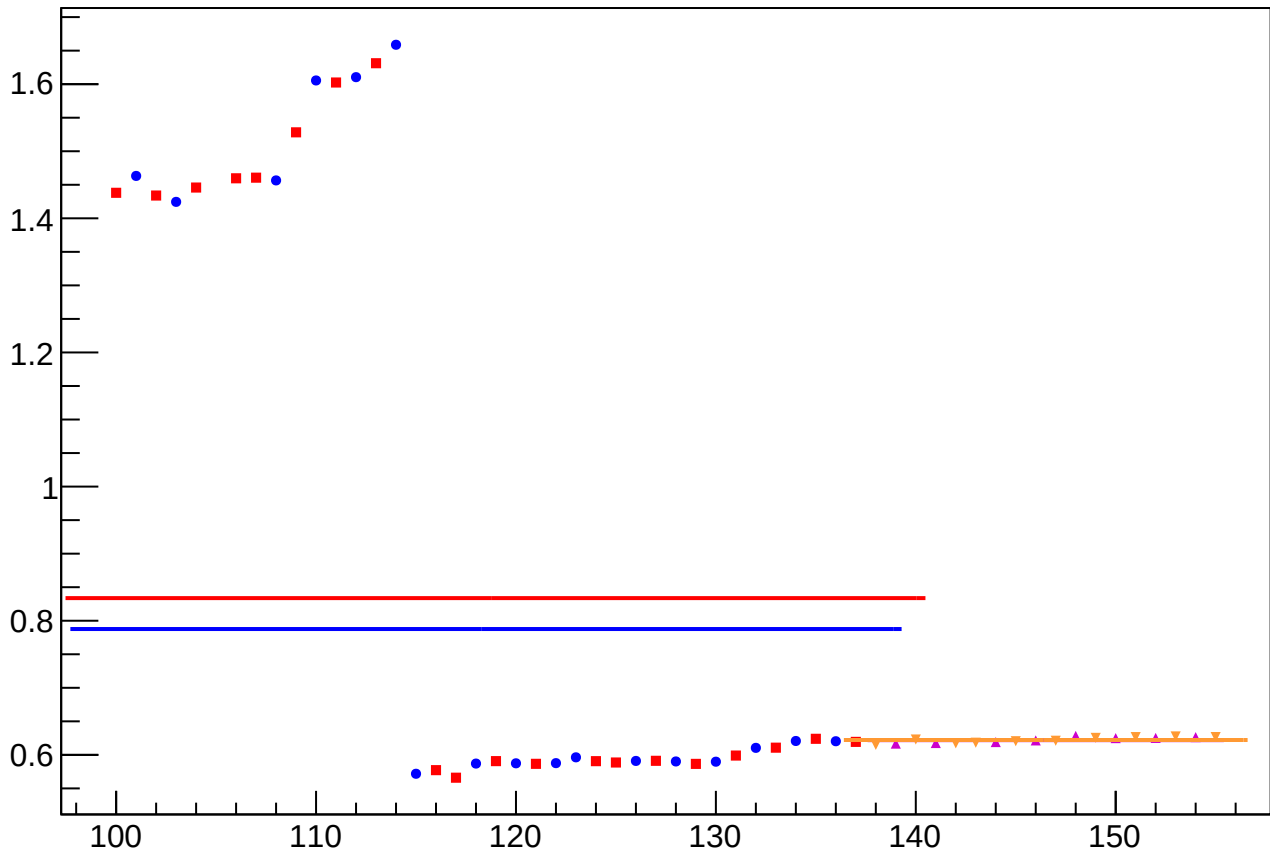
Left In: 0.020+/-0.000 χ^2/NDF : 475351.0/7

0.021+/-0.000 χ^2/NDF : 1353117.1/26

0.021+/-0.000 χ^2/NDF : 3105270.0/54

0.022+/-0.000 χ^2/NDF : 1728009.5/27

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.788 $\pm$ 0.000 χ^2 /NDF: 3581400502.4/16

Left Out: 0.622 $\pm$ 0.000 χ^2 /NDF: 778783.3/9

Right Out: 0.834 $\pm$ 0.000 χ^2 /NDF: 4155673215.9/19

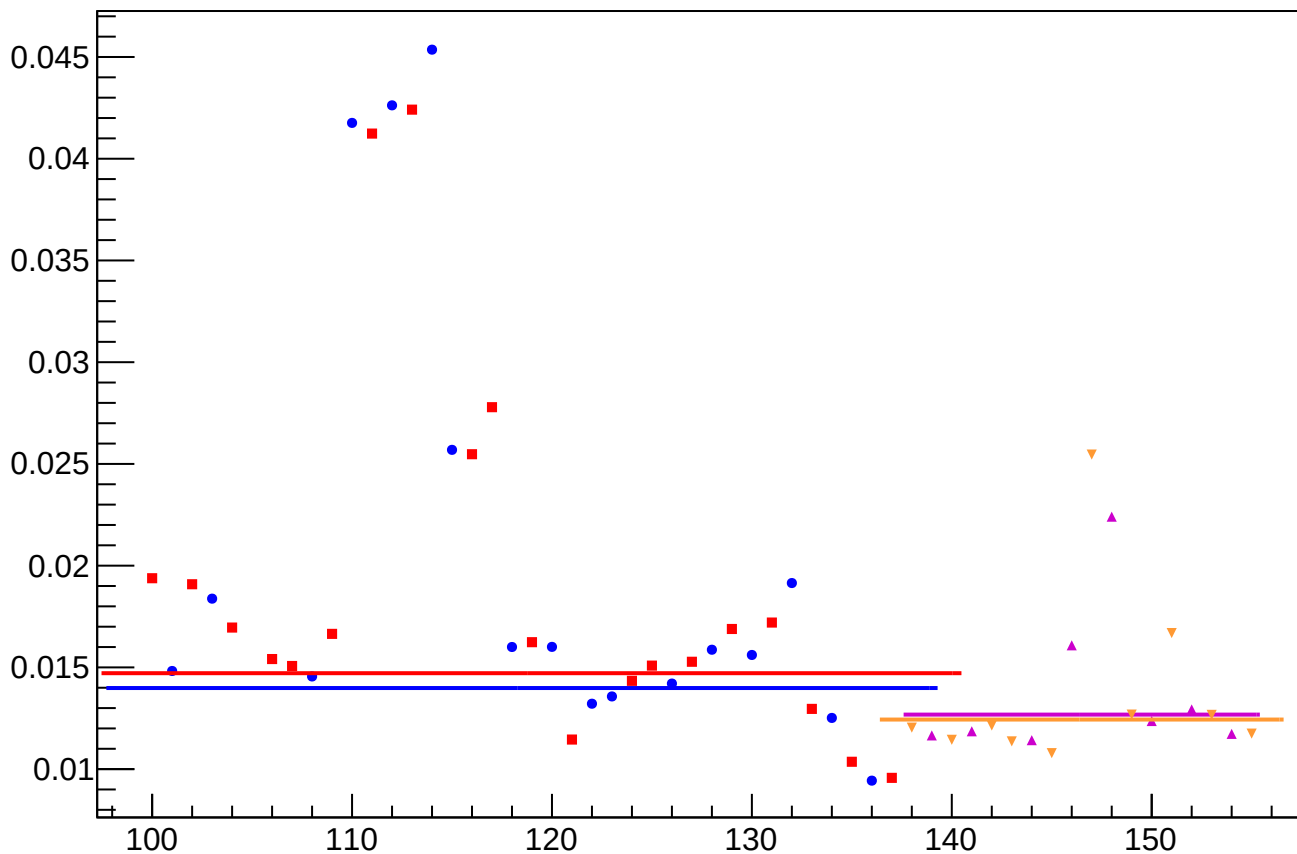
Left In: 0.622 $\pm$ 0.000 χ^2 /NDF: 589843.1/7

0.688 $\pm$ 0.000 χ^2 /NDF: 4057762962.3/26

0.699 $\pm$ 0.000 χ^2 /NDF: 8956475415.4/54

0.711 $\pm$ 0.000 χ^2 /NDF: 4879326426.6/27

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1398505.7/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:547599.9/9

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1275472.3/19

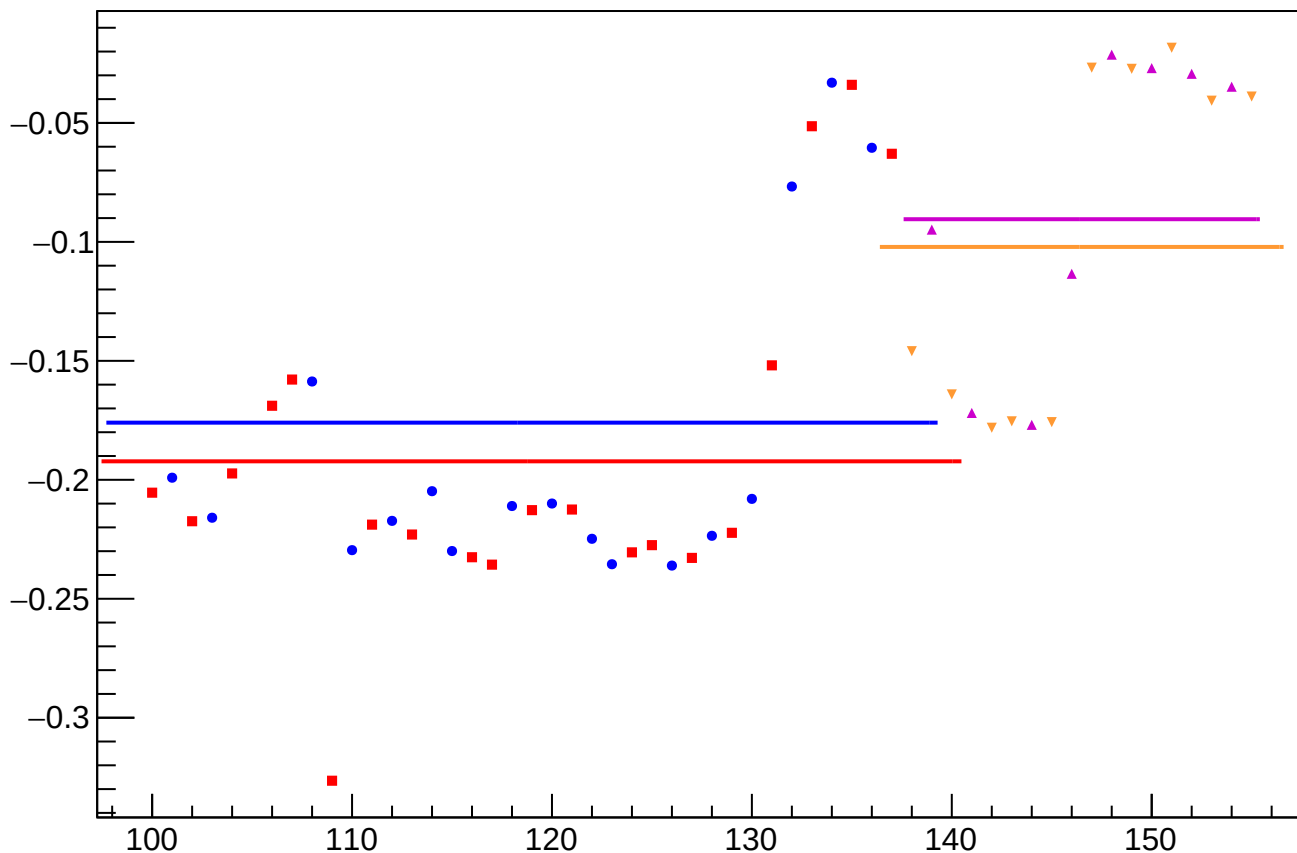
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:402926.9/7

0.013 $\pm$ 0.000 χ^2 /NDF: 2029483.0/26

0.013 $\pm$ 0.000 χ^2 /NDF: 3858003.6/54

0.014 $\pm$ 0.000 χ^2 /NDF: 1811965.5/27

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.102+/-0.000 χ^2/NDF : 78036537.7/9

Right Out: -0.192+/-0.000 χ^2/NDF : 83343025.0/19

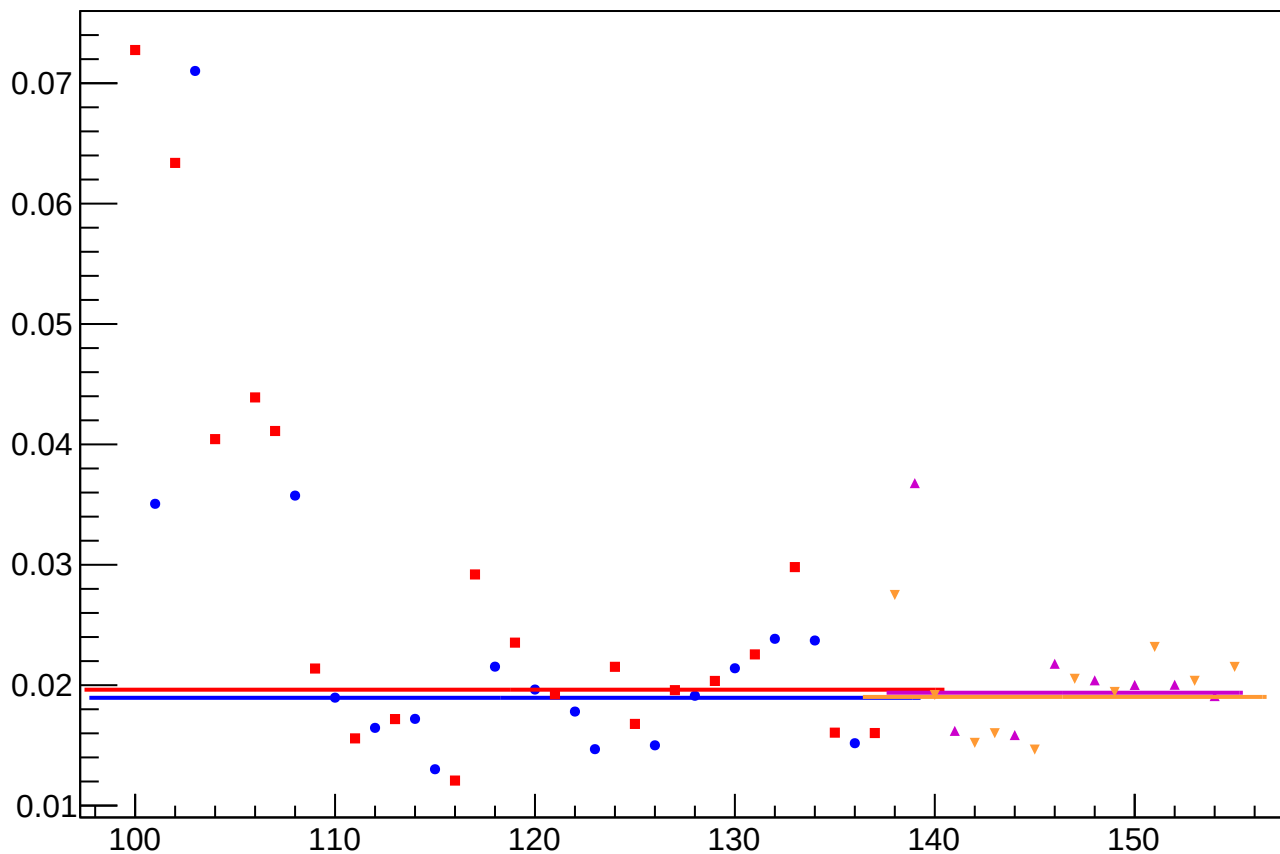
Left In: -0.090+/-0.000 χ^2/NDF : 61445257.5/7

-0.137+/-0.000 χ^2/NDF : 188135086.9/26

-0.139+/-0.000 χ^2/NDF : 403595567.4/54

-0.141+/-0.000 χ^2/NDF : 215173987.3/27

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 : 358469.1/9

Right Out: 0.020+/-0.000 χ^2/NDF : 1463983.0/19

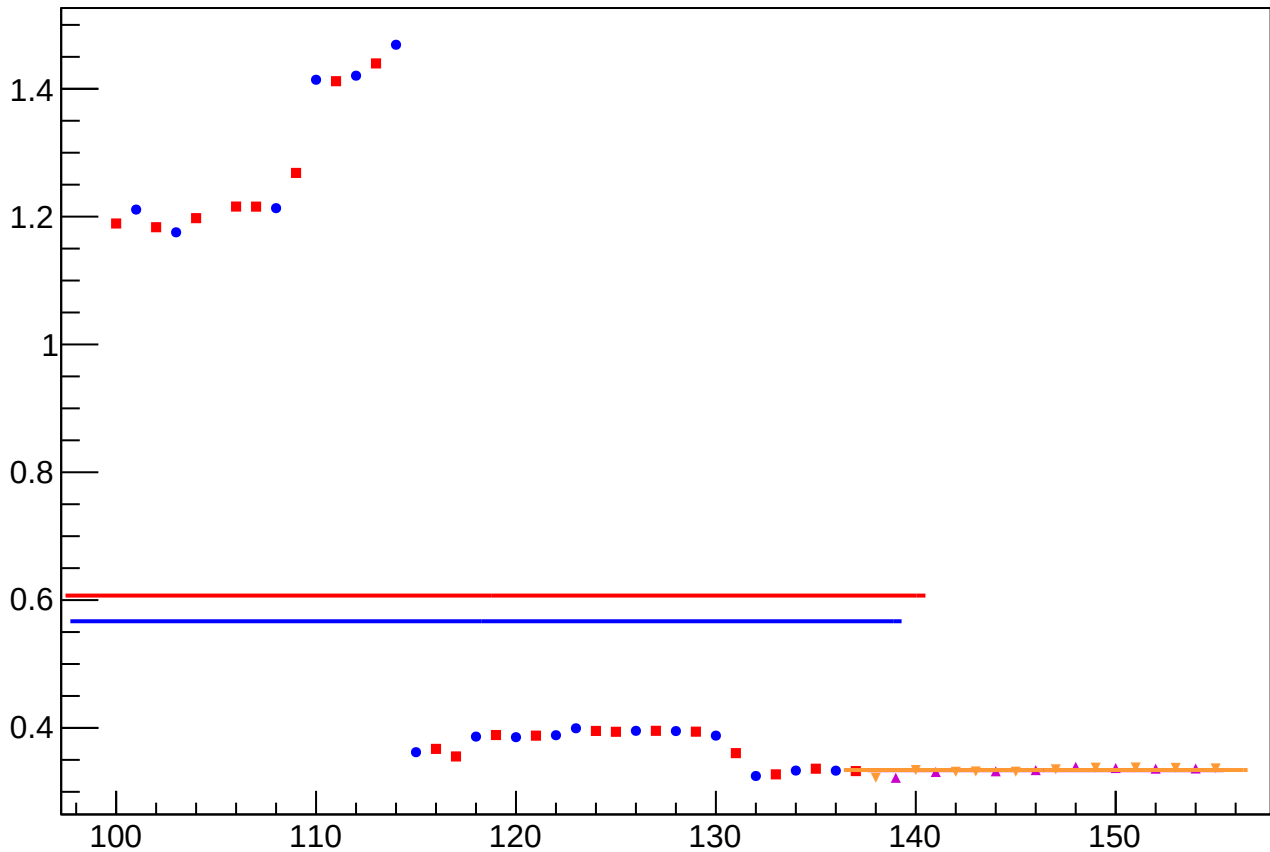
Left In: 0.019+/-0.000 χ^2/NDF : 452137.2/7

0.019+/-0.000 χ^2/NDF : 1561822.7/26

0.019+/-0.000 χ^2/NDF : 3486103.7/54

0.019+/-0.000 χ^2/NDF : 1916984.9/27

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.567+/-0.000 χ^2/NDF : 5016913731.3/16

Left Out: 0.334+/-0.000 χ^2/NDF : 961073.7/9

Right Out: 0.607+/-0.000 χ^2/NDF : 5509130775.3/19

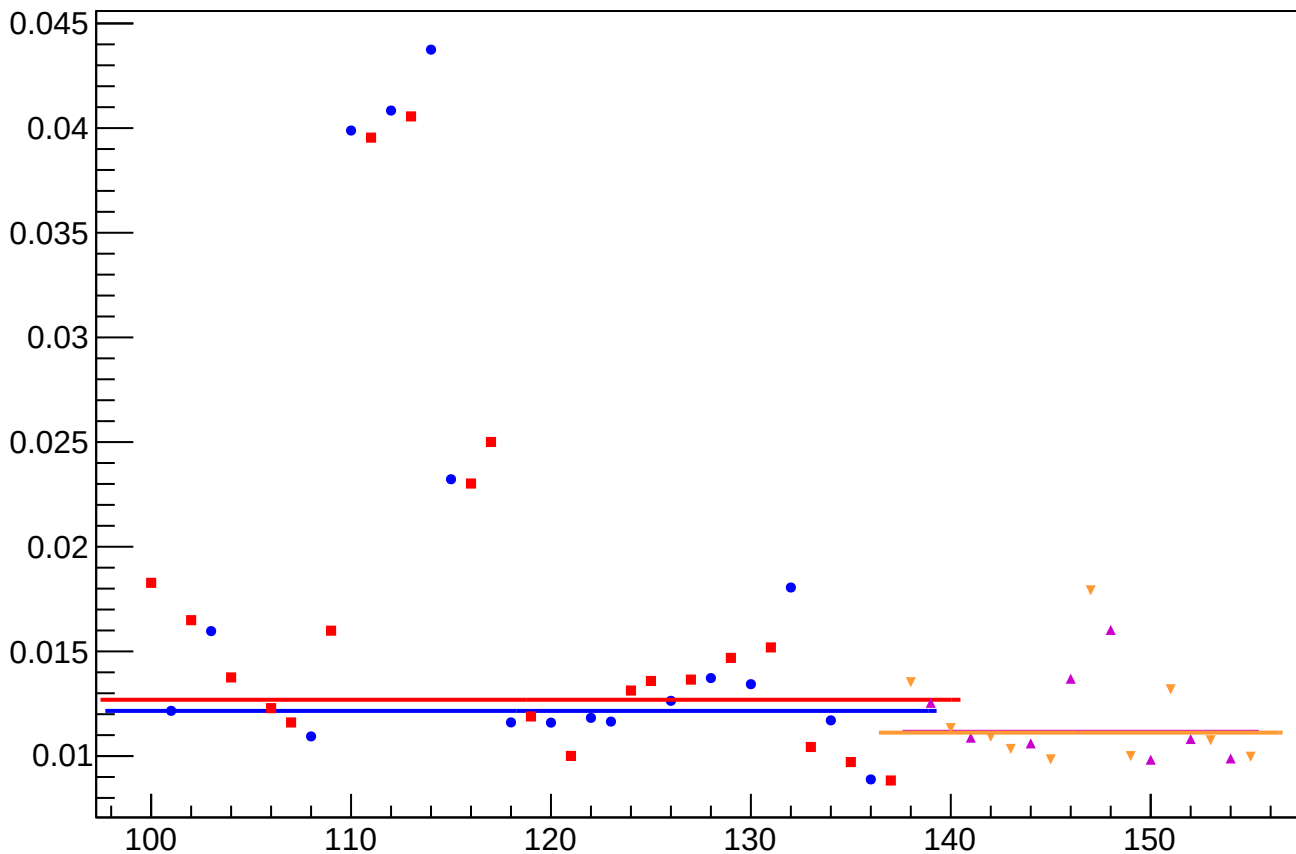
Left In: 0.334+/-0.000 χ^2/NDF : 994014.7/7

0.429+/-0.000 χ^2/NDF : 6236905068.3/26

0.439+/-0.000 χ^2/NDF : 13344308820.6/5

0.450+/-0.000 χ^2/NDF : 7087344094.1/27

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 : 371089.3/9

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 1285911.2/19

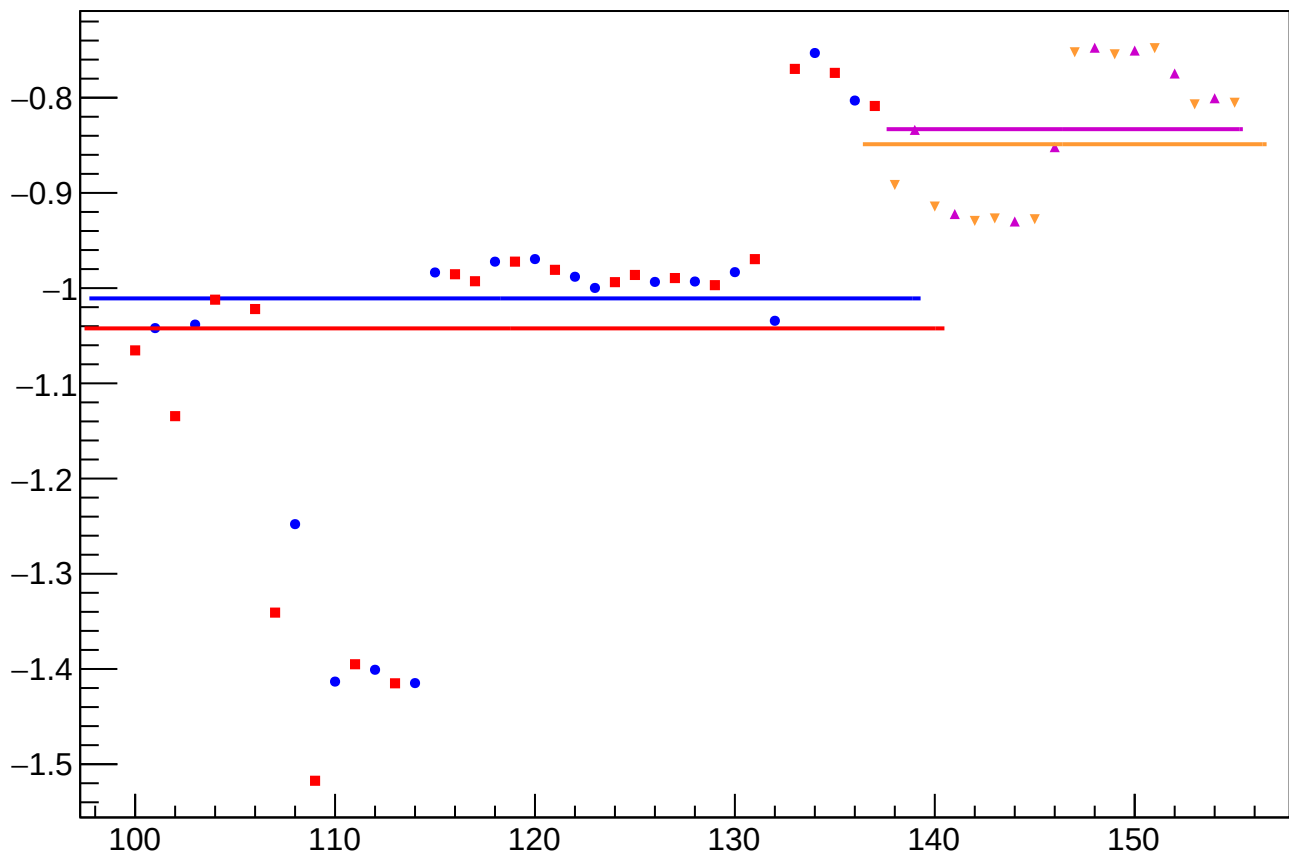
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 276447.9/7

0.012 $\pm$ 0.000 χ^2/NDF : 1727412.9/26

0.012 $\pm$ 0.000 χ^2/NDF : 3395252.3/54

0.012 $\pm$ 0.000 χ^2/NDF : 1661454.3/27

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.011+/-0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.849+/-0.000 χ^2/NDF : 88016724.0/9

Right Out: -1.042+/-0.000 χ^2/NDF : 529028760.6/19

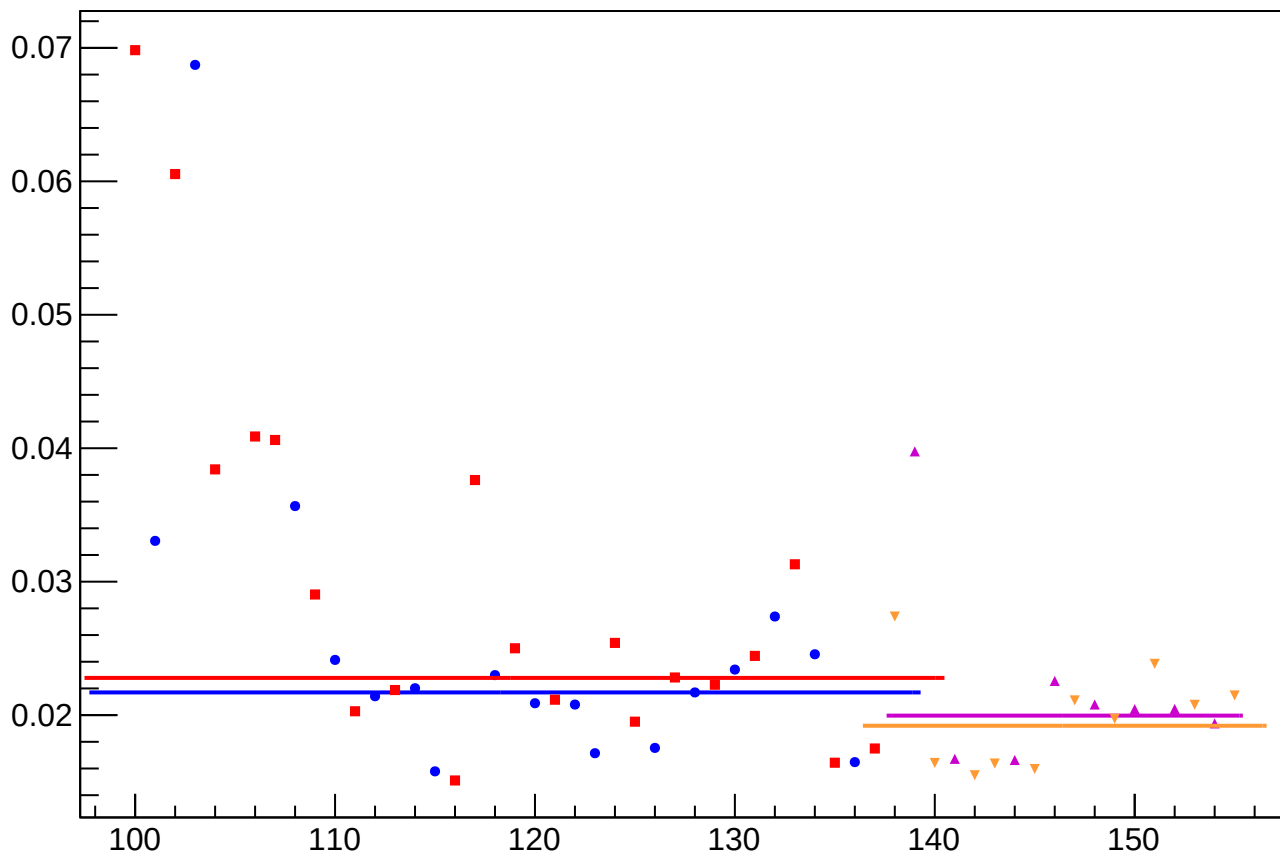
Left In: -0.833+/-0.000 χ^2/NDF : 68416368.9/7

-0.916+/-0.000 χ^2/NDF : 639469777.0/26

-0.921+/-0.000 χ^2/NDF : 1487575273.1/54

-0.926+/-0.000 χ^2/NDF : 846739774.9/27

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022 ± 0.000 $\chi^2/\text{NDF}: 979293.5/16$

Left Out: 0.019 ± 0.000 $\chi^2/\text{NDF}: 326732.3/9$

Right Out: 0.023 ± 0.000 $\chi^2/\text{NDF}: 1164870.4/19$

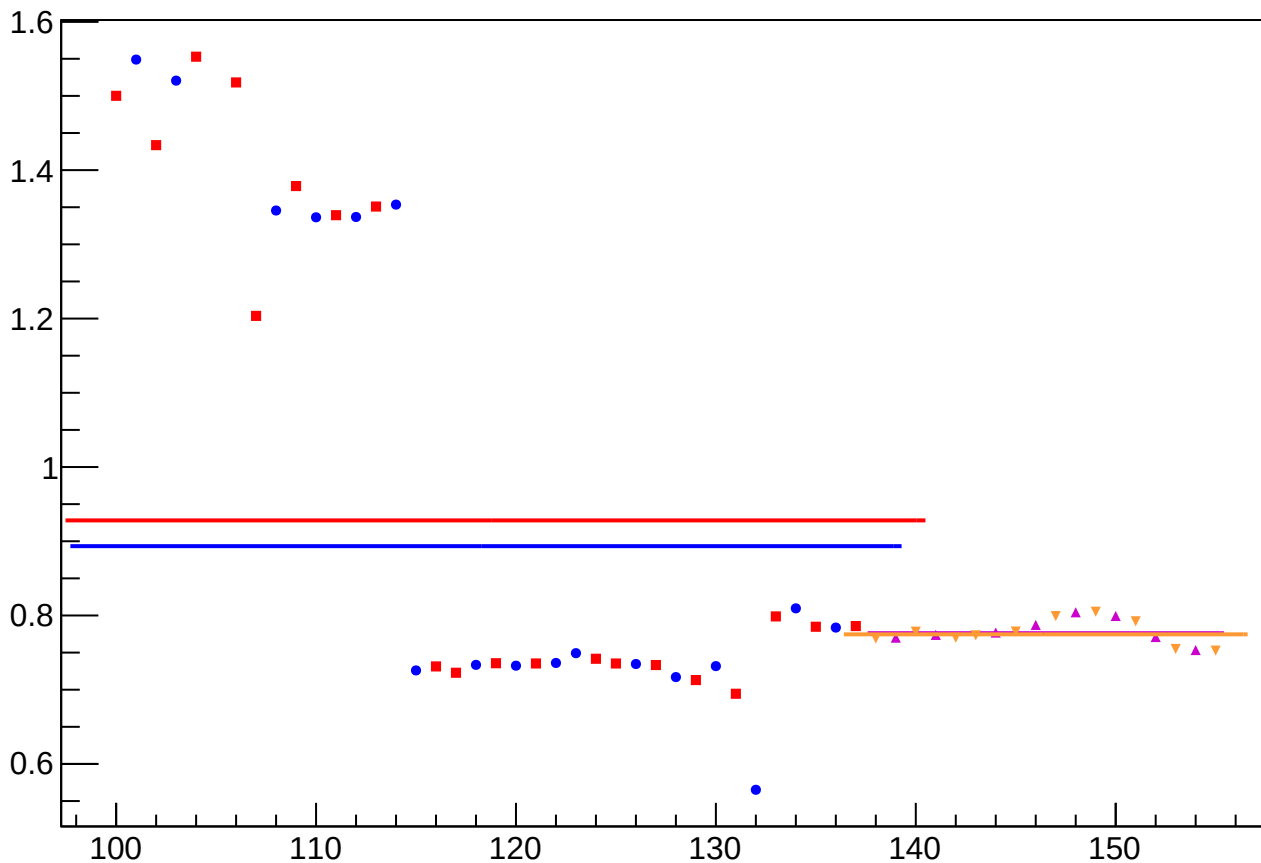
Left In: 0.020 ± 0.000 $\chi^2/\text{NDF}: 472955.0/7$

0.020 ± 0.000 $\chi^2/\text{NDF}: 1384212.7/26$

0.021 ± 0.000 $\chi^2/\text{NDF}: 3136698.8/54$

0.021 ± 0.000 $\chi^2/\text{NDF}: 1728723.7/27$

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.893 $\pm$ 0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.775 $\pm$ 0.000 χ^2/NDF :11016201.1/9

Right Out: 0.928 $\pm$ 0.000 χ^2/NDF : 2437683008.7/19

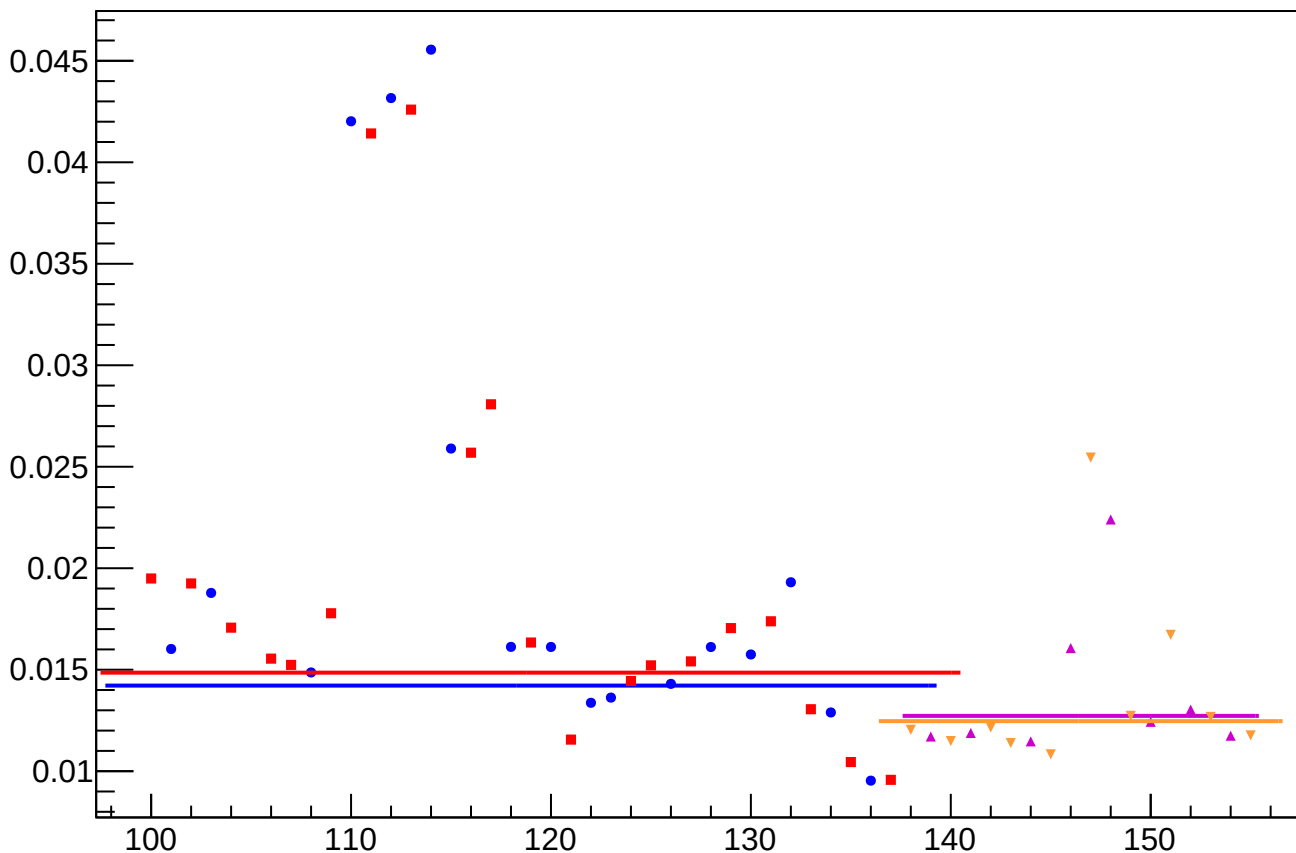
Left In: 0.776 $\pm$ 0.000 χ^2/NDF :8007851.1/7

0.821 $\pm$ 0.000 χ^2/NDF : 2658062421.2/26

0.830 $\pm$ 0.000 χ^2/NDF : 5482259082.6/54

0.840 $\pm$ 0.000 χ^2/NDF : 2811854943.0/27

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 1409594.2/16

Left Out: 0.012 $\pm$ 0.000 χ^2/NDF : 544066.1/9

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1286513.9/19

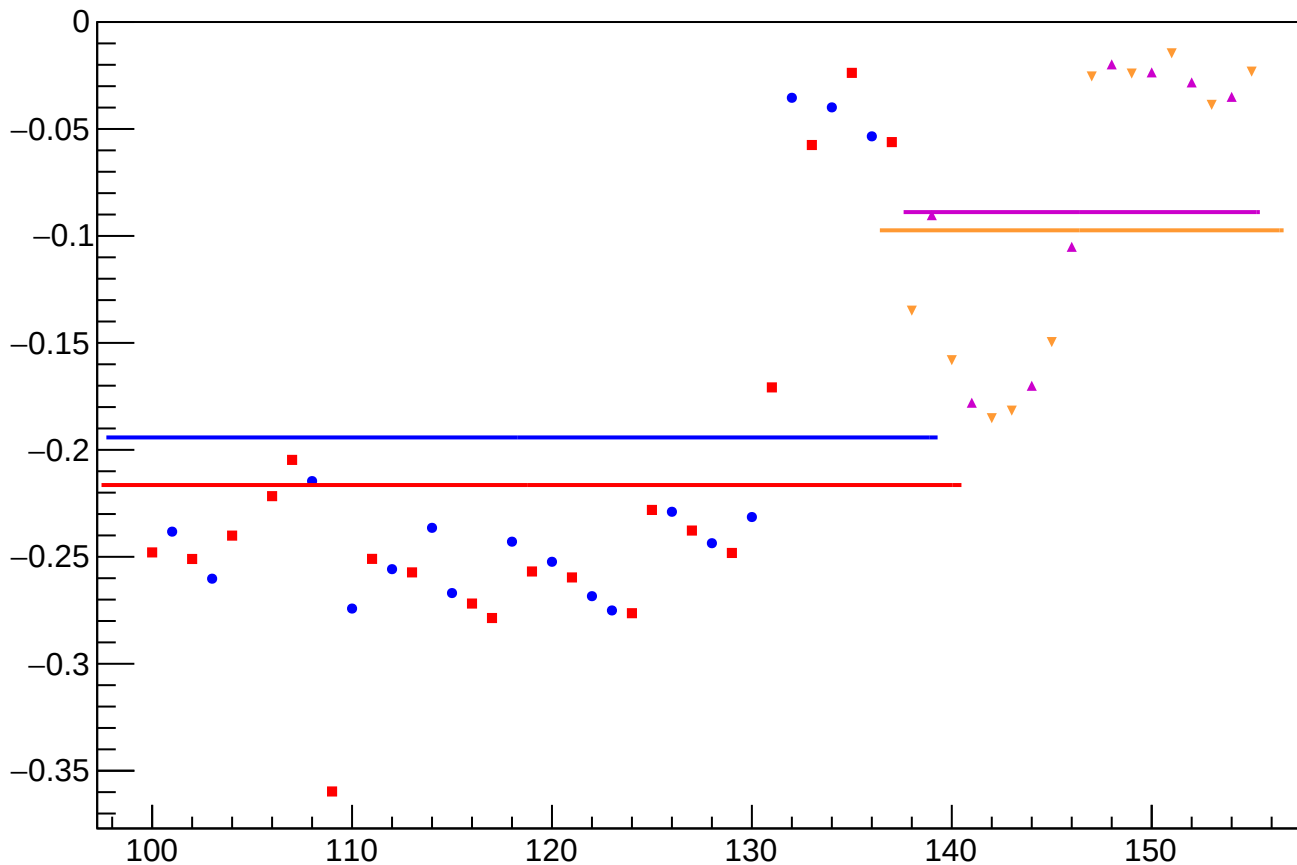
Left In: 0.013 $\pm$ 0.000 χ^2/NDF : 398595.5/7

0.013 $\pm$ 0.000 χ^2/NDF : 2057665.7/26

0.013 $\pm$ 0.000 χ^2/NDF : 3901825.0/54

0.014 $\pm$ 0.000 χ^2/NDF : 1829002.2/27

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.194+/-0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.097+/-0.000 χ^2/NDF : 76603105.7/9

Right Out: -0.216+/-0.000 χ^2/NDF : 111217219.2/19

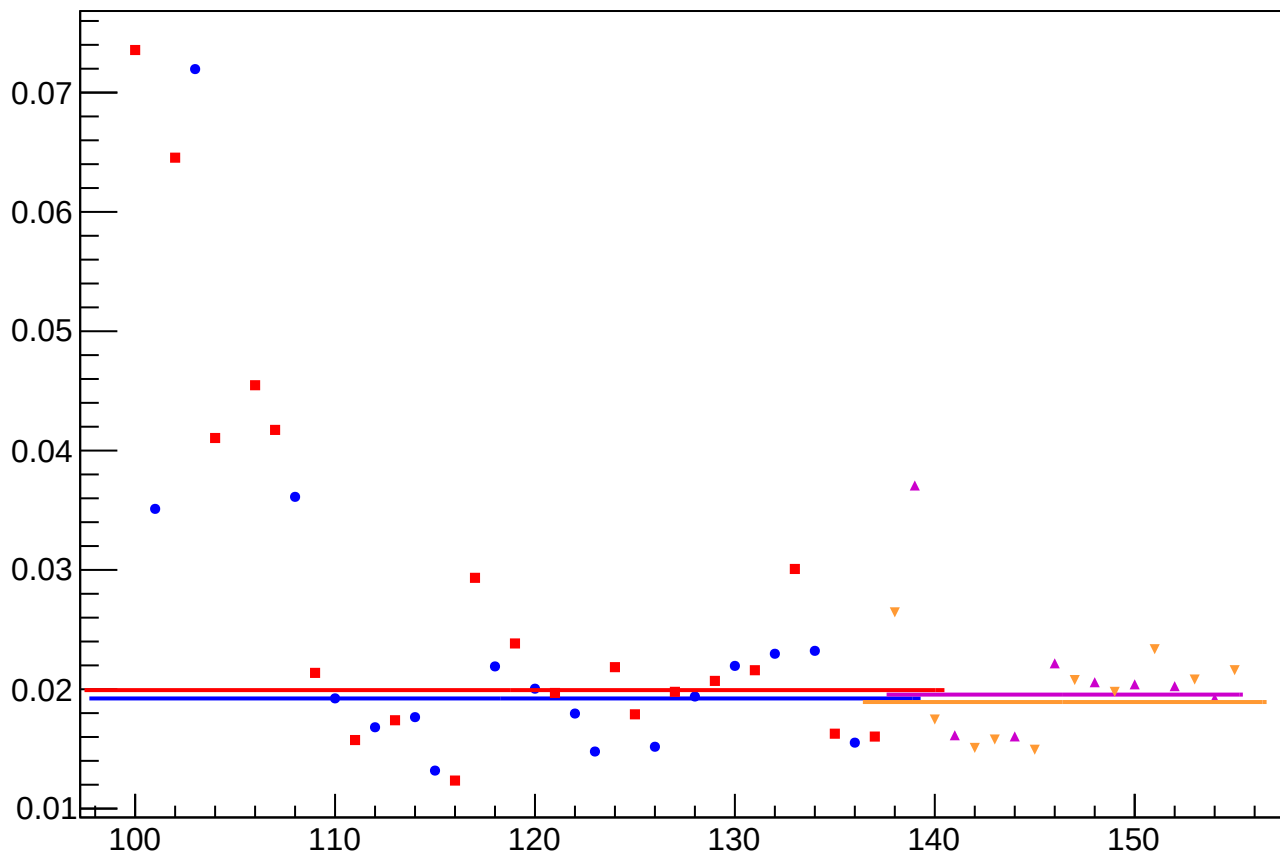
Left In: -0.089+/-0.000 χ^2/NDF : 60843706.3/7

-0.142+/-0.000 χ^2/NDF : 252780935.8/26

-0.147+/-0.000 χ^2/NDF : 534098667.7/54

-0.152+/-0.000 χ^2/NDF : 279924281.9/27

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1174577.3/16

Left Out: 0.019+/-0.000 χ^2/NDF : 350808.8/9

Right Out: 0.020+/-0.000 χ^2/NDF : 1452730.4/19

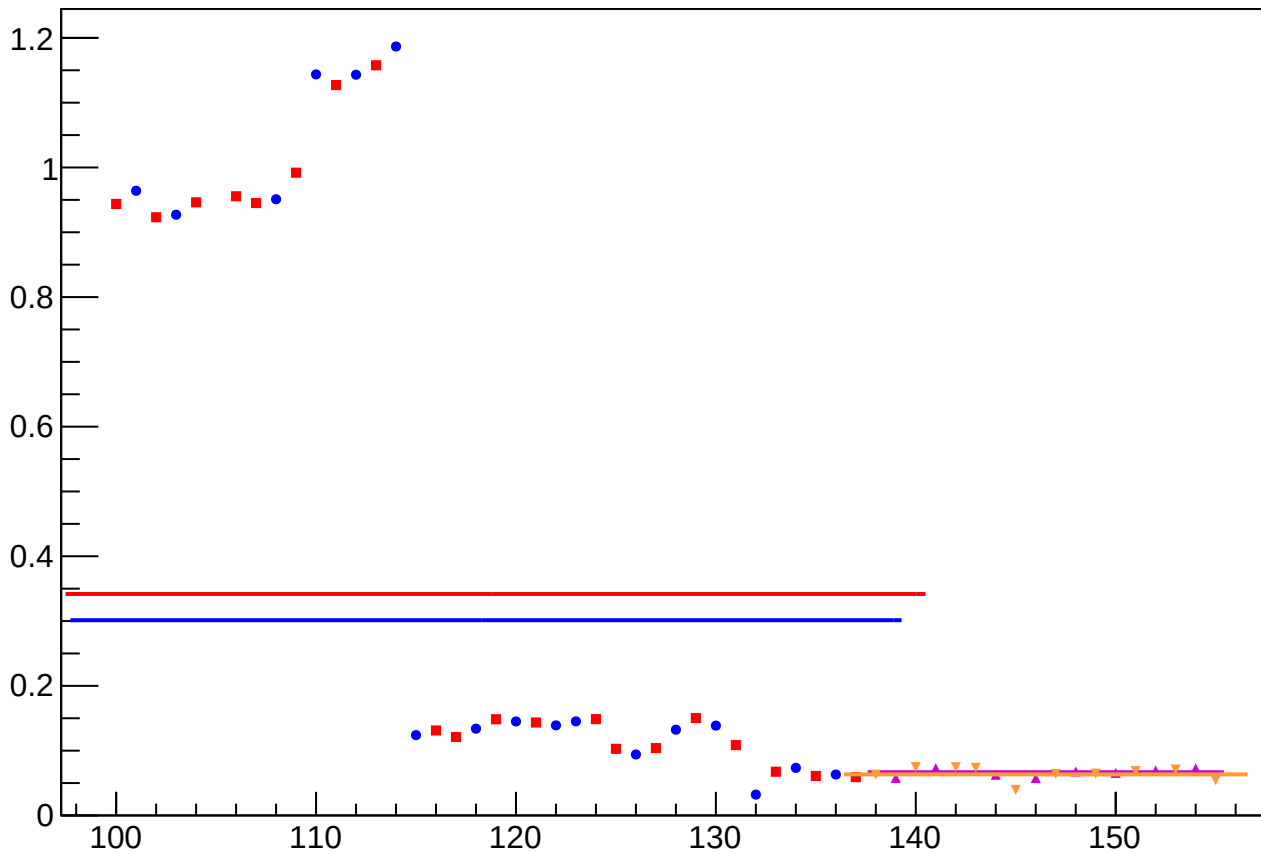
Left In: 0.020+/-0.000 χ^2/NDF : 459997.8/7

0.019+/-0.000 χ^2/NDF : 1526681.3/26

0.019+/-0.000 χ^2/NDF : 3453763.2/54

0.020+/-0.000 χ^2/NDF : 1914601.8/27

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.301+/-0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.063+/-0.000 χ^2/NDF : 7436720.5/9

0.159+/-0.000 χ^2/NDF : 6466230051.4/26

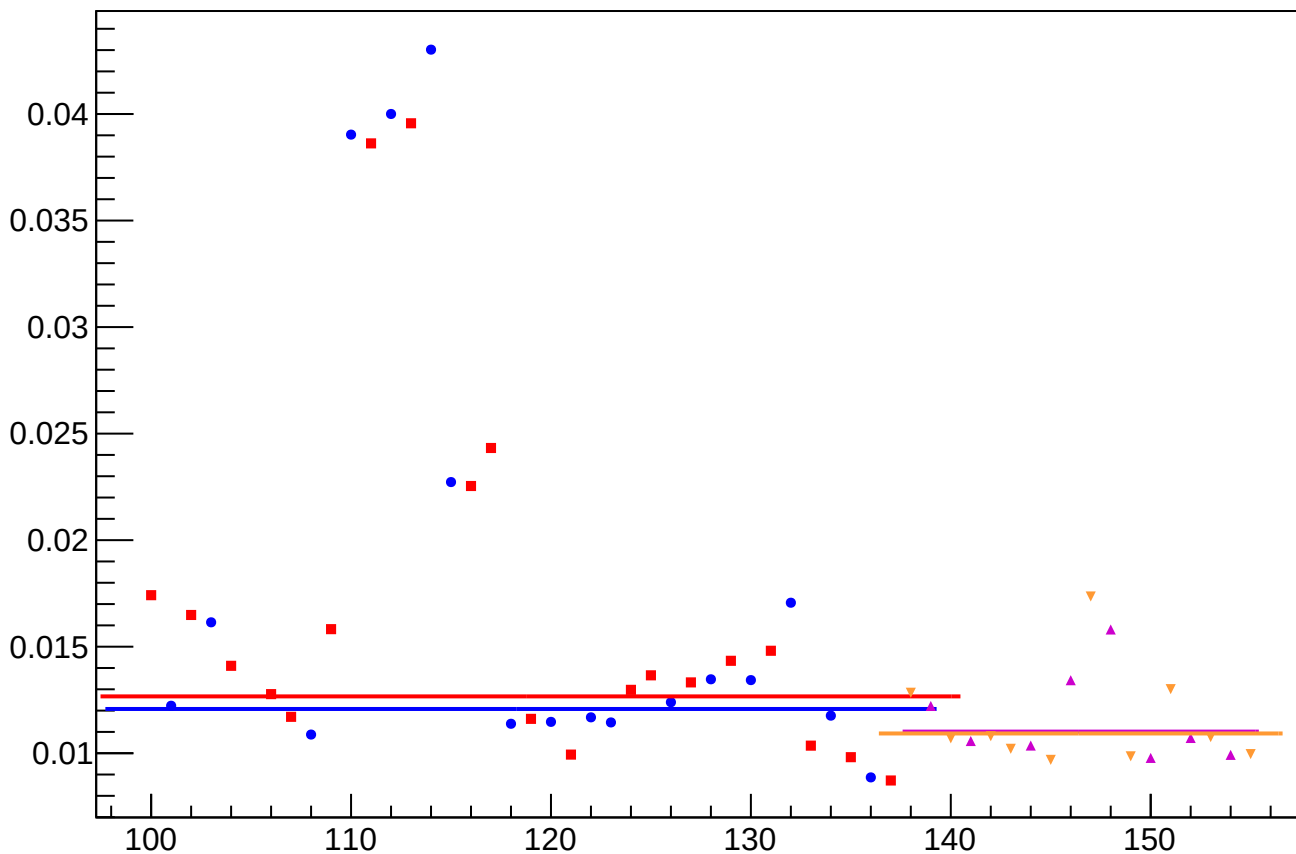
0.170+/-0.000 χ^2/NDF : 13559422281.0/5

Right Out: 0.342+/-0.000 χ^2/NDF : 5445885893.4/19

0.182+/-0.000 χ^2/NDF : 7068625719.4/27

Left In: 0.067+/-0.000 χ^2/NDF : 1455569.3/7

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 : 338910.1/9

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 1253755.7/19

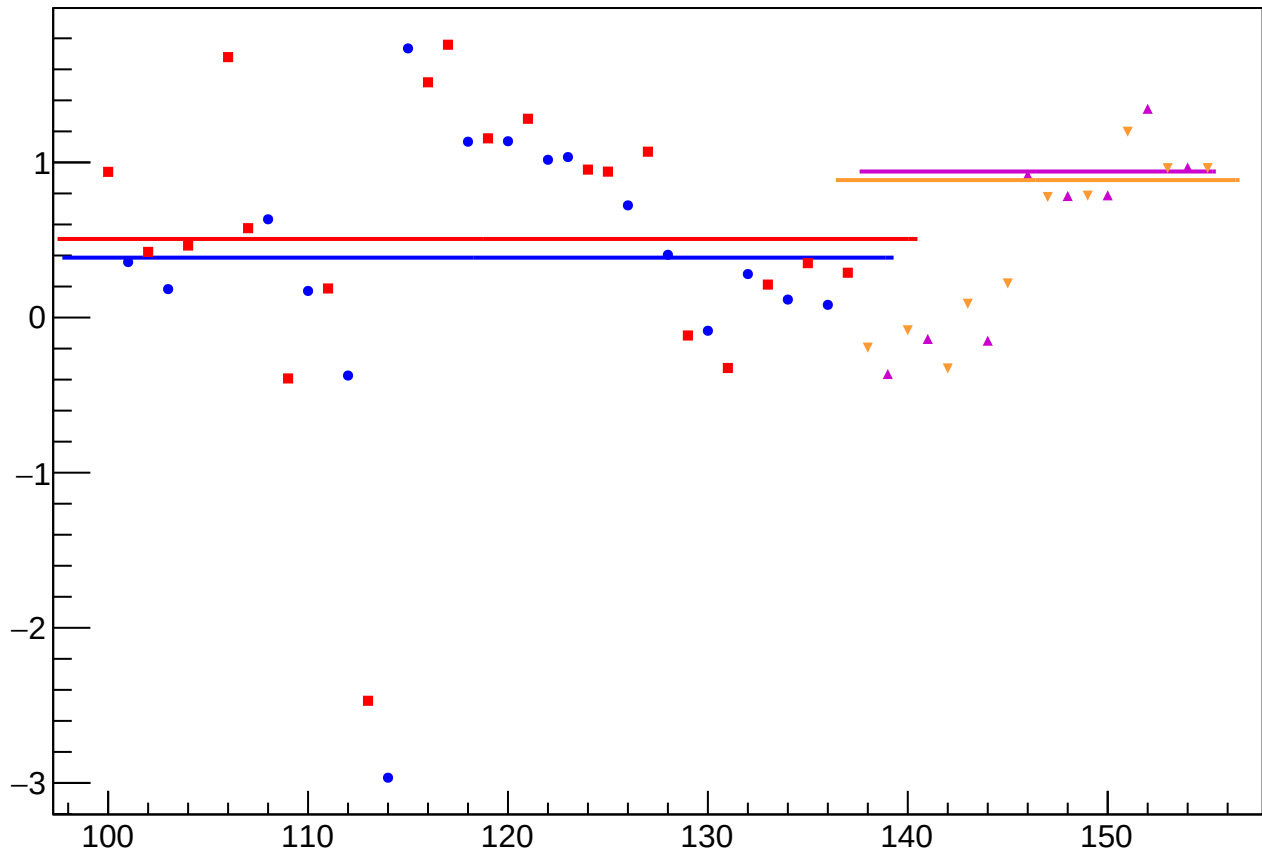
Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 261687.3/7

0.011 $\pm$ 0.000 χ^2/NDF : 1680133.8/26

0.012 $\pm$ 0.000 χ^2/NDF : 3321931.1/54

0.012 $\pm$ 0.000 χ^2/NDF : 1632465.8/27

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.386+/-0.000 χ^2/NDF : 246380221.7/16

Left Out: 0.886+/-0.000 χ^2/NDF : 685161322.5/9

Right Out: 0.507+/-0.000 χ^2/NDF : 995373603.6/19

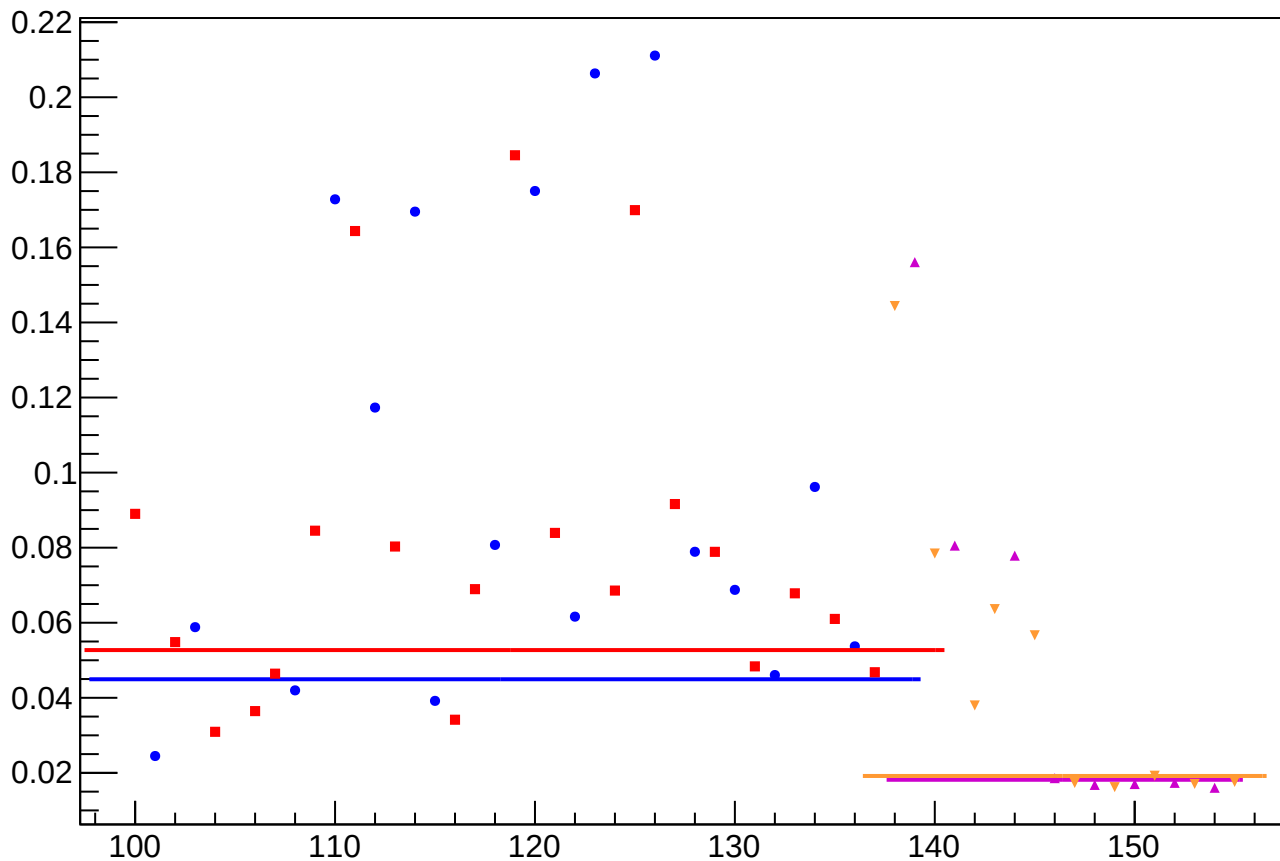
Left In: 0.941+/-0.000 χ^2/NDF : 747575363.6/7

0.823+/-0.000 χ^2/NDF : 1313187506.1/26

0.859+/-0.000 χ^2/NDF : 3343304107.4/54

0.894+/-0.000 χ^2/NDF : 1995105200.9/27

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 : 2530899.6/9

Right Out: 0.053+/-0.000 χ^2/NDF : 2195781.8/19

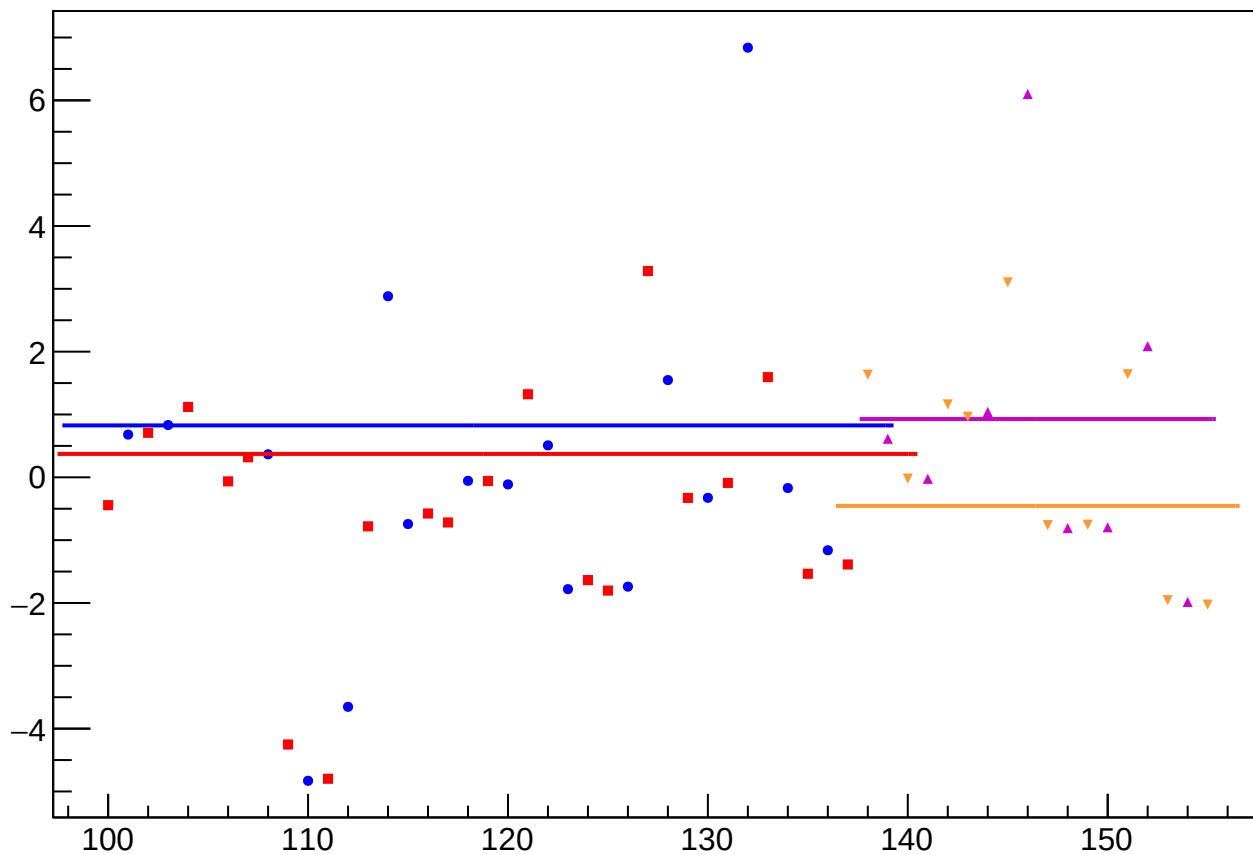
Left In: 0.018+/-0.000 χ^2/NDF : 2235850.7/7

0.022+/-0.000 χ^2/NDF : 7346369.3/26

0.022+/-0.000 χ^2/NDF : 14966476.0/54

0.022+/-0.000 χ^2/NDF : 7616459.6/27

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.826 ± 0.000 $\chi^2/\text{NDF}: 10945455664.9/16$

Left Out: -0.455 ± 0.000 $\chi^2/\text{NDF}: 65761362839.0/9$

Right Out: 0.372 ± 0.000 $\chi^2/\text{NDF}: 4960201861.0/19$

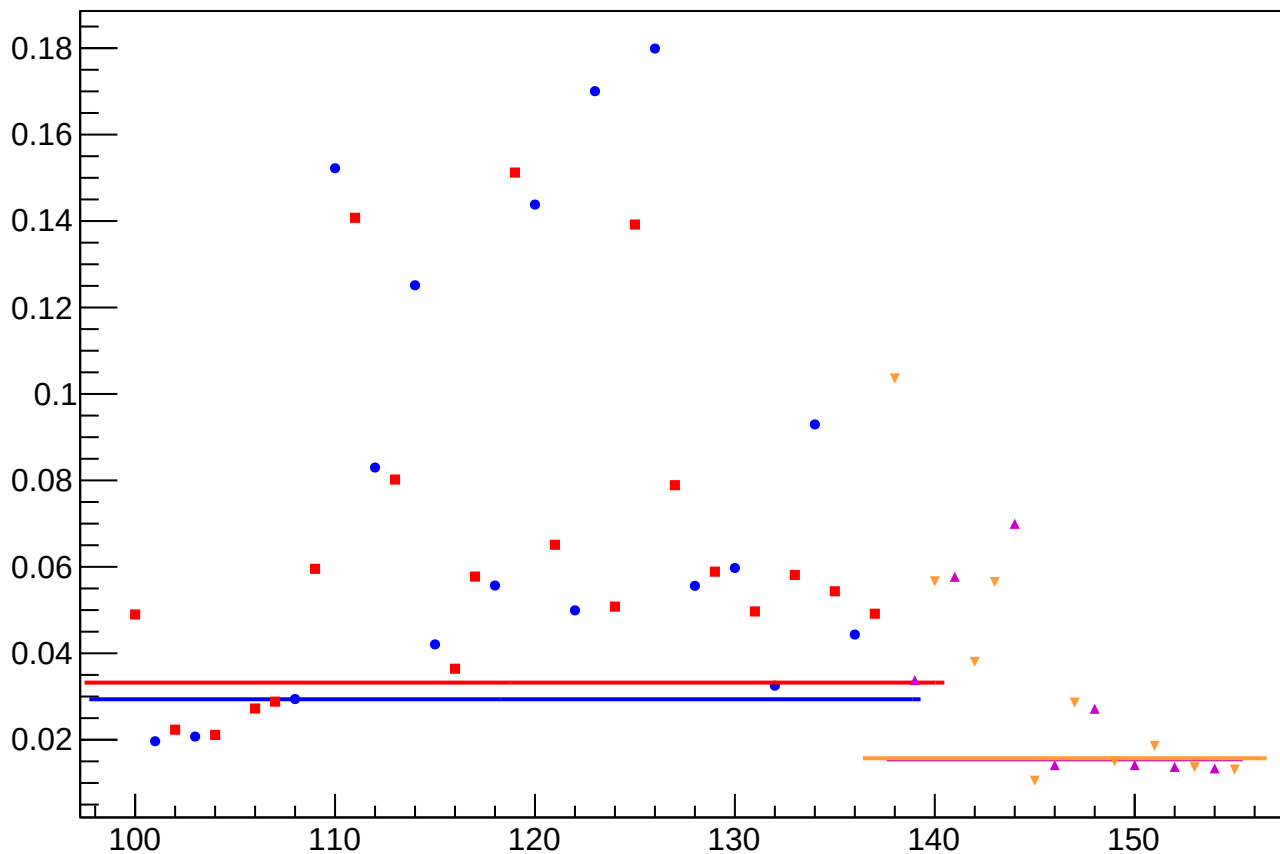
Left In: 0.928 ± 0.000 $\chi^2/\text{NDF}: 153661871075.1/7$

-0.230 ± 0.000 $\chi^2/\text{NDF}: 82030573636.1/26$

0.294 ± 0.000 $\chi^2/\text{NDF}: 254101943717.5/17$

0.838 ± 0.000 $\chi^2/\text{NDF}: 159528597223.1/27$

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029 ± 0.000 $\chi^2/\text{NDF}: 2987169.5/16$

Left Out: 0.016 ± 0.000 $\chi^2/\text{NDF}: 2518399.6/9$

Right Out: 0.033 ± 0.000 $\chi^2/\text{NDF}: 3112299.1/19$

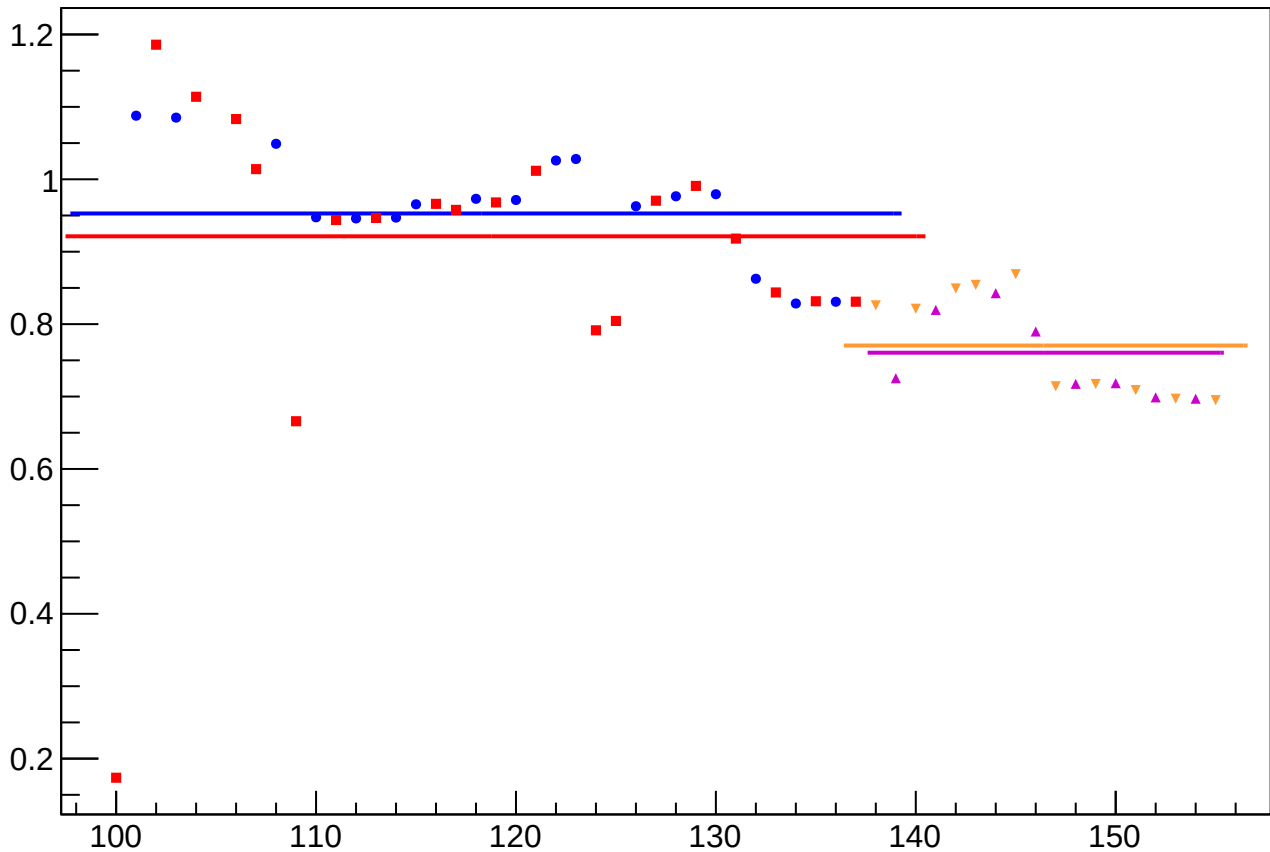
Left In: 0.015 ± 0.000 $\chi^2/\text{NDF}: 1668416.0/7$

0.018 ± 0.000 $\chi^2/\text{NDF}: 6714279.9/26$

0.018 ± 0.000 $\chi^2/\text{NDF}: 13346738.2/54$

0.018 ± 0.000 $\chi^2/\text{NDF}: 6631241.9/27$

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.953+/-0.000 χ^2/NDF : 175750243.6/16

Left Out: 0.770+/-0.000 χ^2/NDF : 190505762.4/9

Right Out: 0.921+/-0.000 χ^2/NDF : 374306248.8/19

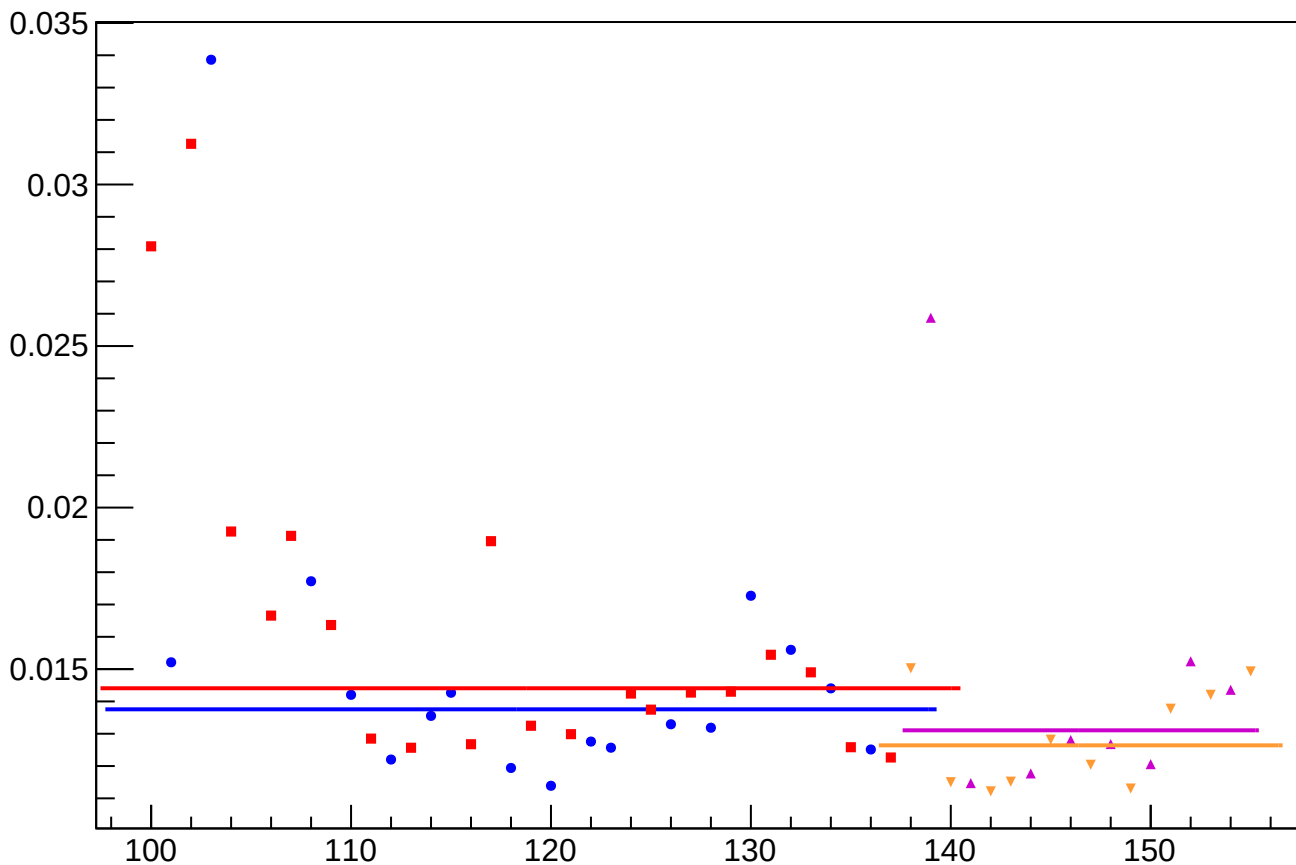
Left In: 0.761+/-0.000 χ^2/NDF : 106701214.8/7

0.850+/-0.000 χ^2/NDF : 939239146.0/26

0.843+/-0.000 χ^2/NDF : 1830446944.9/54

0.836+/-0.000 χ^2/NDF : 885104867.7/27

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 :150659.8/9

Right Out: 0.014+/-0.000 χ^2/NDF : 508622.9/19

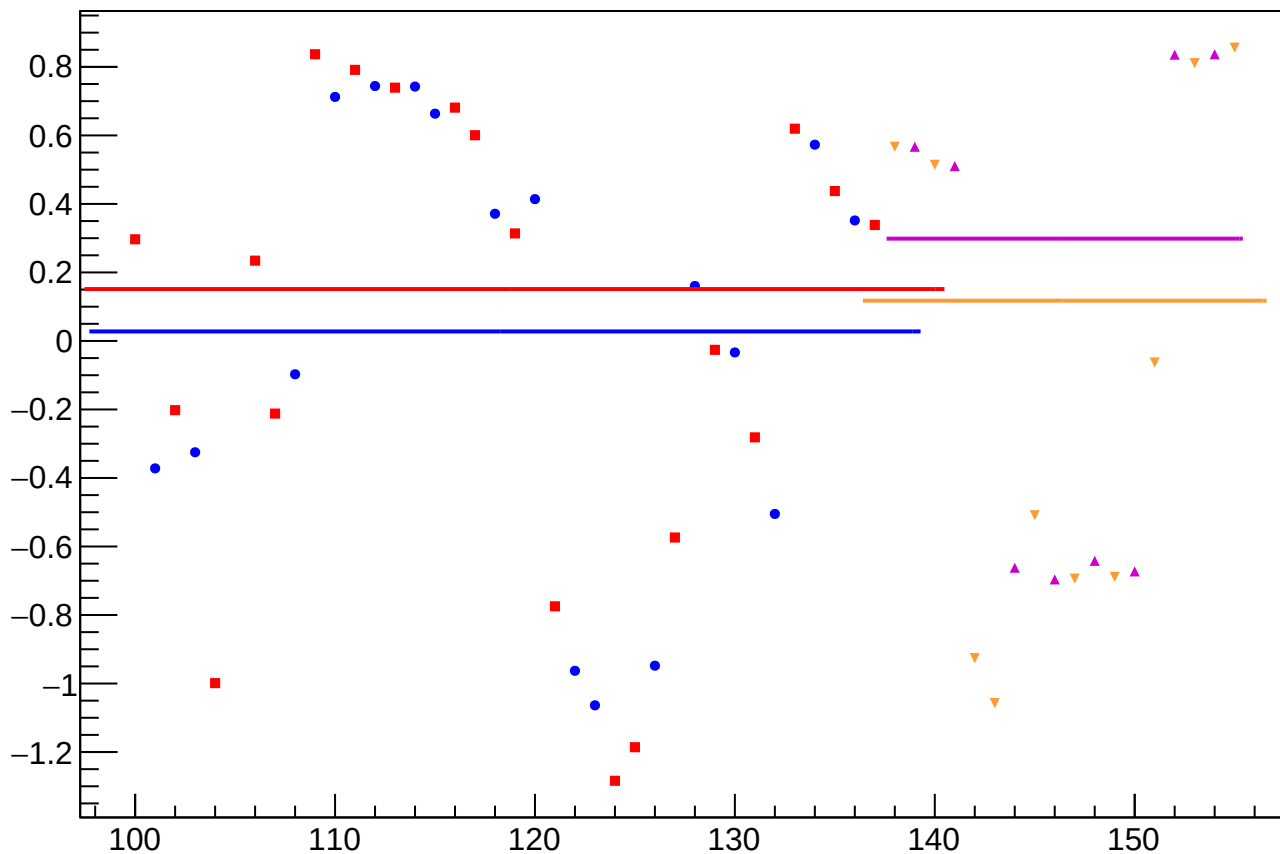
Left In: 0.013+/-0.000 χ^2/NDF :445294.3/7

0.013+/-0.000 χ^2/NDF : 731979.3/26

0.013+/-0.000 χ^2/NDF : 1762160.7/54

0.014+/-0.000 χ^2/NDF : 1006930.9/27

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.028 $\pm$ 0.000 χ^2 /NDF: 6276955529.7/16

Left Out: 0.118 $\pm$ 0.000 χ^2 /NDF: 21436974451.5/9

Right Out: 0.152 $\pm$ 0.000 χ^2 /NDF: 12665480117.0/19

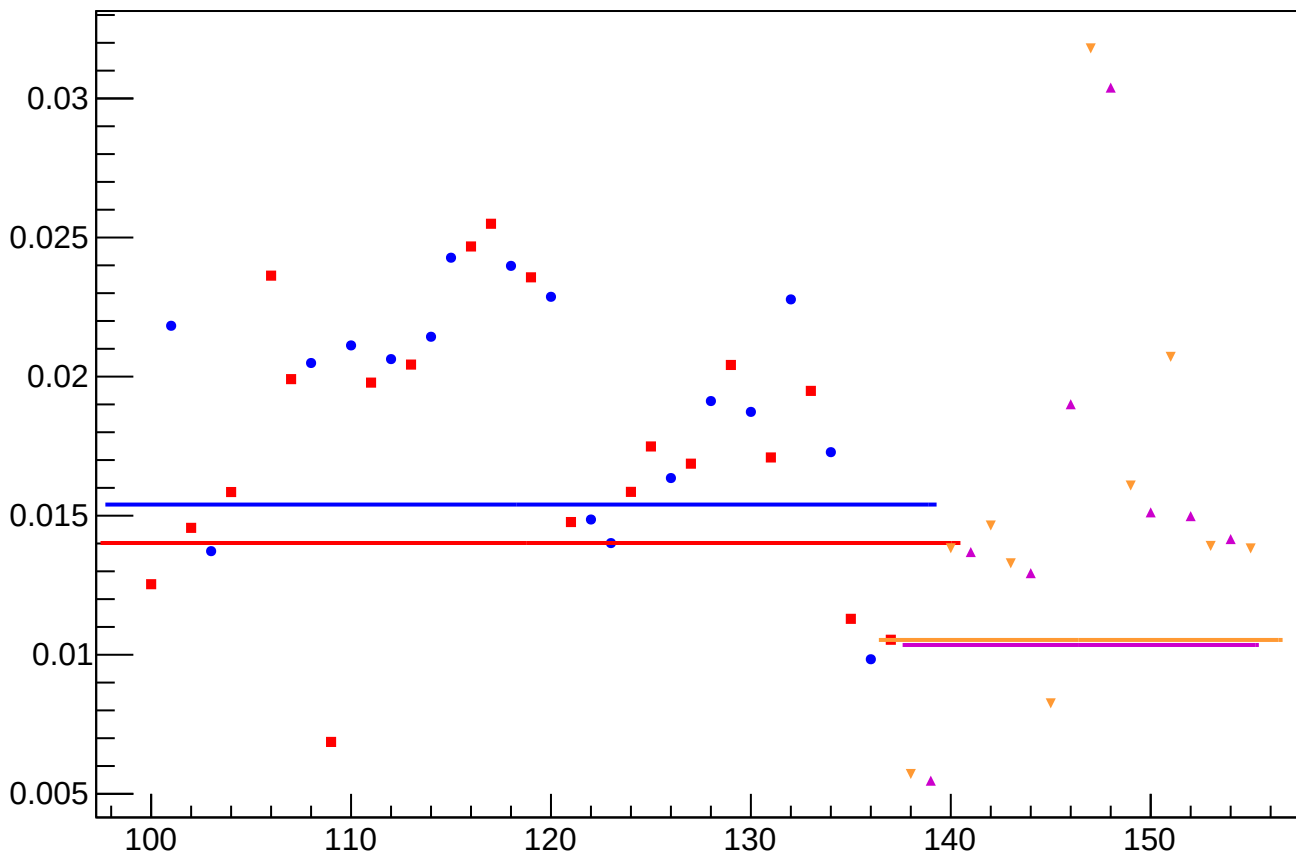
Left In: 0.299 $\pm$ 0.000 χ^2 /NDF: 14770440695.0/7

0.089 $\pm$ 0.000 χ^2 /NDF: 27843029589.2/26

0.166 $\pm$ 0.000 χ^2 /NDF: 56531332162.0/5

0.242 $\pm$ 0.000 χ^2 /NDF: 27817459064.6/27

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 : 2513115.2/9

Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 1576882.7/19

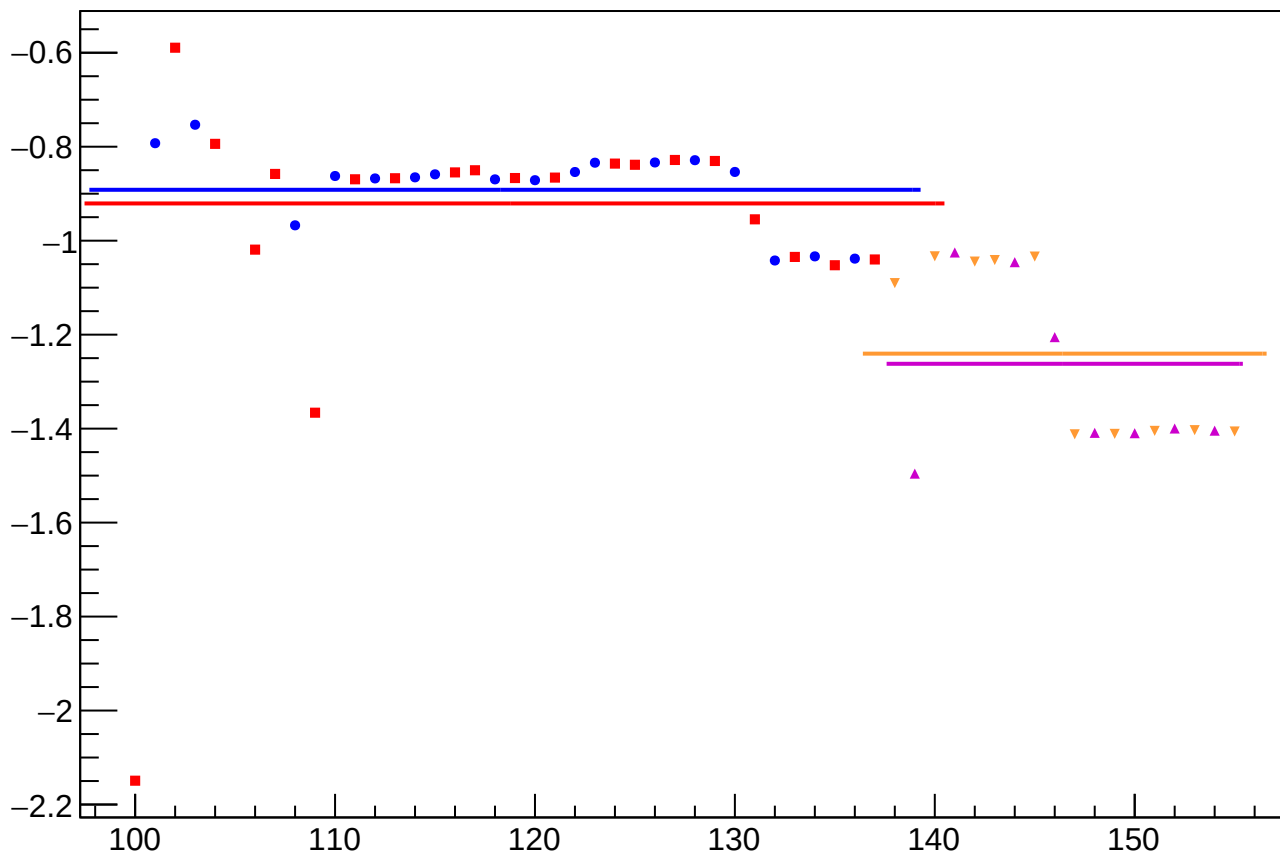
Left In: 0.010 $\pm$ 0.000 χ^2/NDF : 2628210.4/7

0.012 $\pm$ 0.000 χ^2/NDF : 4414080.8/26

0.012 $\pm$ 0.000 χ^2/NDF : 9101232.5/54

0.012 $\pm$ 0.000 χ^2/NDF : 4678773.6/27

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.892+/-0.000 χ^2/NDF : 39793337.2/16

Left Out: -1.240+/-0.000 χ^2/NDF : 200278453.4/9

Right Out: -0.921+/-0.000 χ^2/NDF : 131248005.3/19

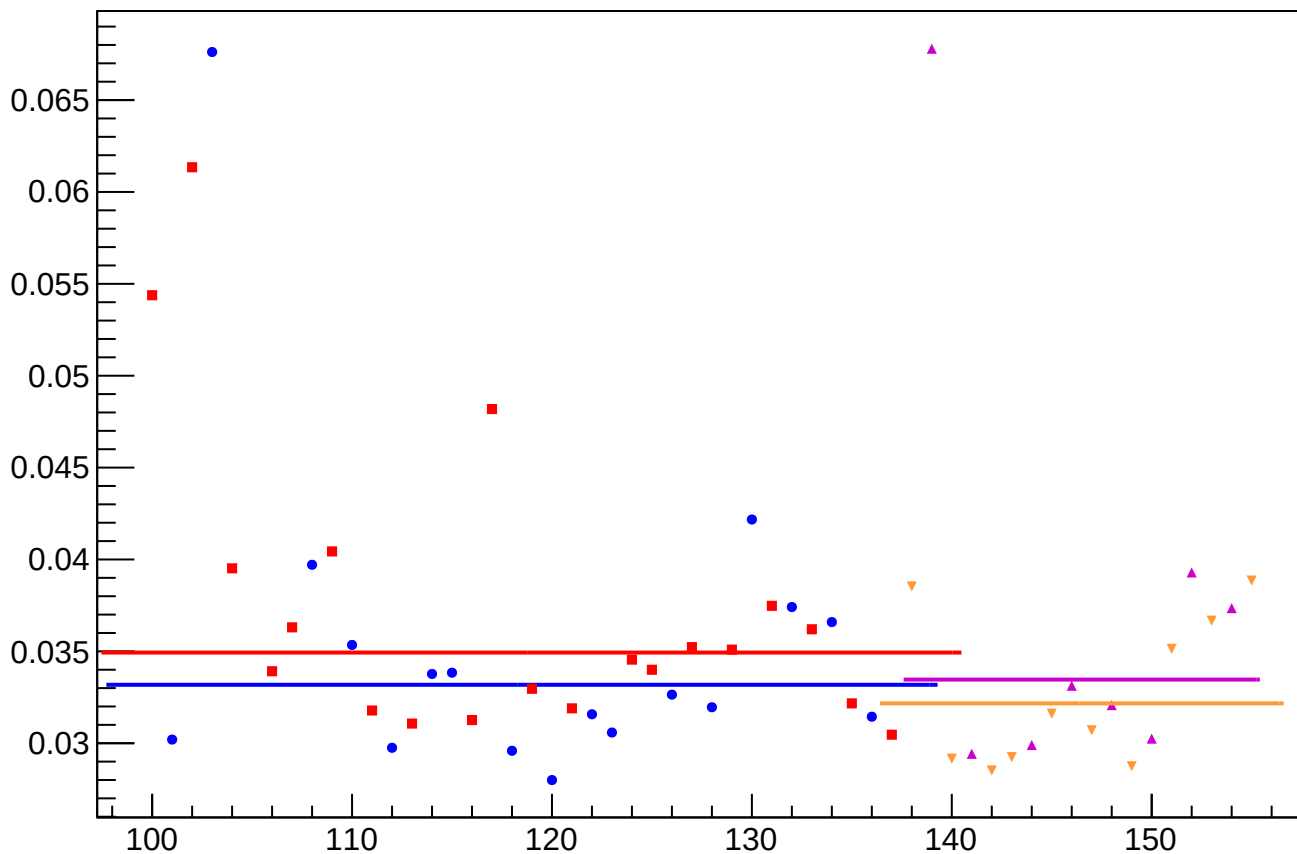
Left In: -1.262+/-0.000 χ^2/NDF : 149770124.7/7

-1.078+/-0.000 χ^2/NDF : 583695666.3/26

-1.085+/-0.000 χ^2/NDF : 1161305558.3/54

-1.092+/-0.000 χ^2/NDF : 576656780.5/27

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF : 400106.0/16

Left Out: 0.032+/-0.000 χ^2/NDF :167987.4/9

Right Out: 0.035+/-0.000 χ^2/NDF : 281256.5/19

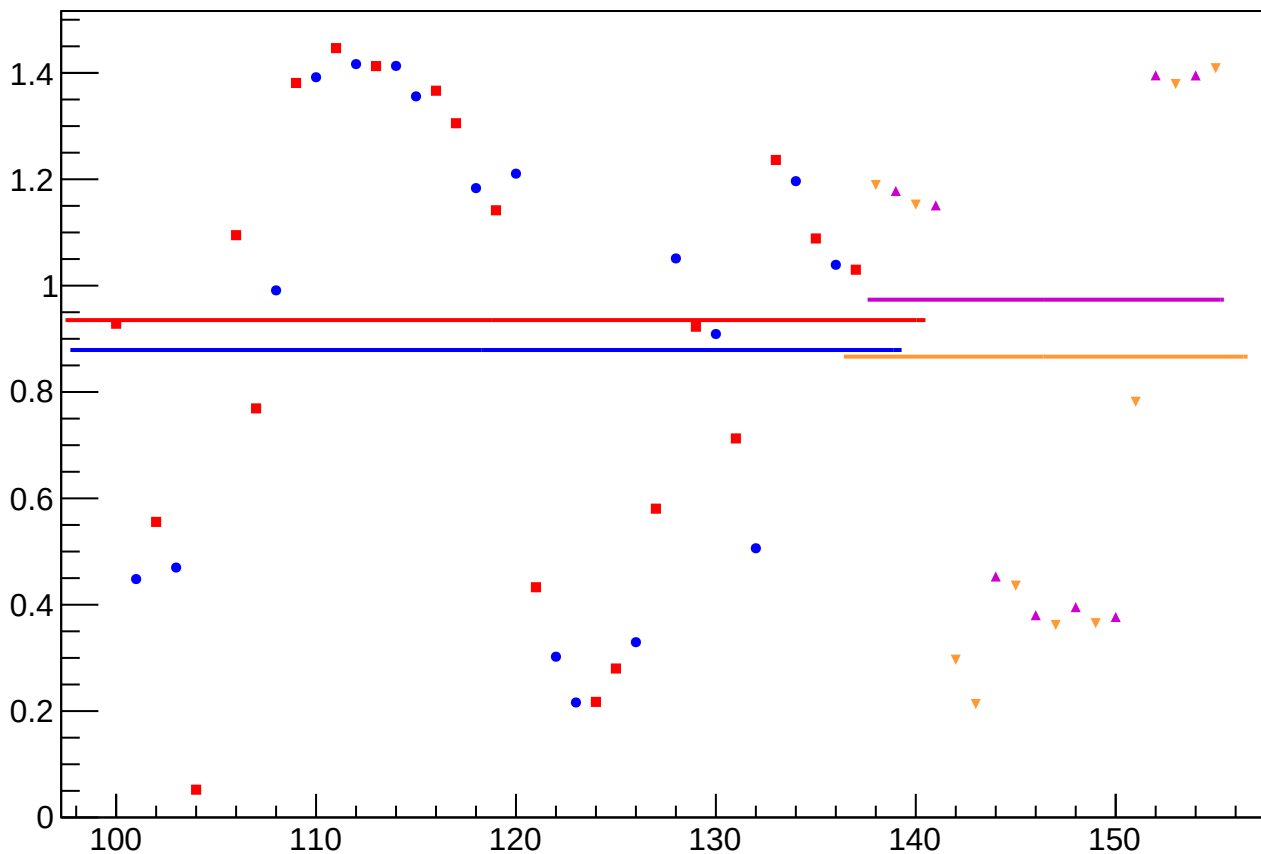
Left In: 0.033+/-0.000 χ^2/NDF :477466.9/7

0.033+/-0.000 χ^2/NDF : 573883.8/26

0.033+/-0.000 χ^2/NDF : 1369678.5/54

0.034+/-0.000 χ^2/NDF : 769705.9/27

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.879+/-0.000 χ^2/NDF : 6371602566.2/16

Left Out: 0.866+/-0.000 χ^2/NDF : 17850340471.1/9

Right Out: 0.935+/-0.000 χ^2/NDF : 9844960466.1/19

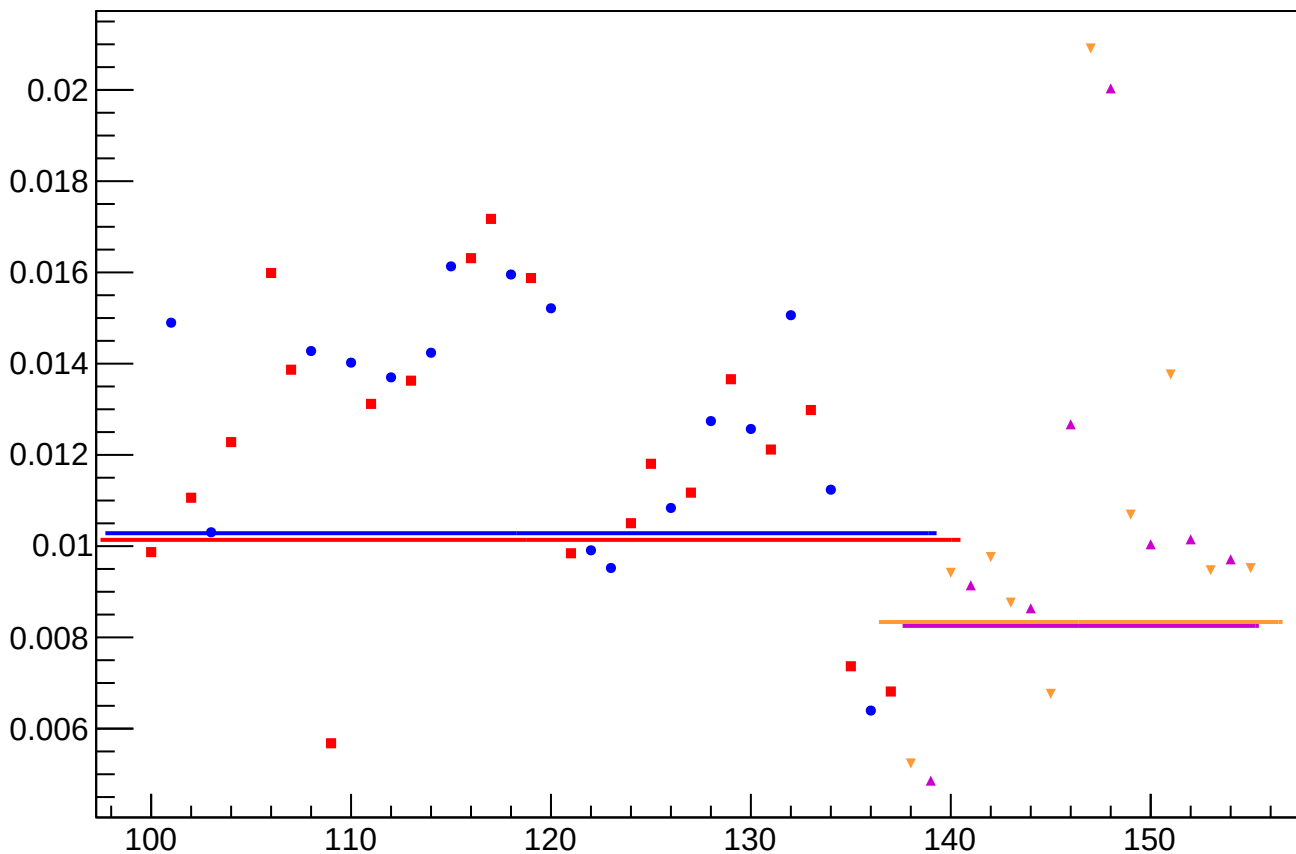
Left In: 0.974+/-0.000 χ^2/NDF : 12668479044.0/7

0.871+/-0.000 χ^2/NDF : 24227086483.9/26

0.914+/-0.000 χ^2/NDF : 47313564798.1/5

0.958+/-0.000 χ^2/NDF : 22562708477.3/27

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010 $\pm$ 0.000 χ^2/NDF : 1207460.1/16

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 1459372.5/9

Right Out: 0.010 $\pm$ 0.000 χ^2/NDF : 1189529.0/19

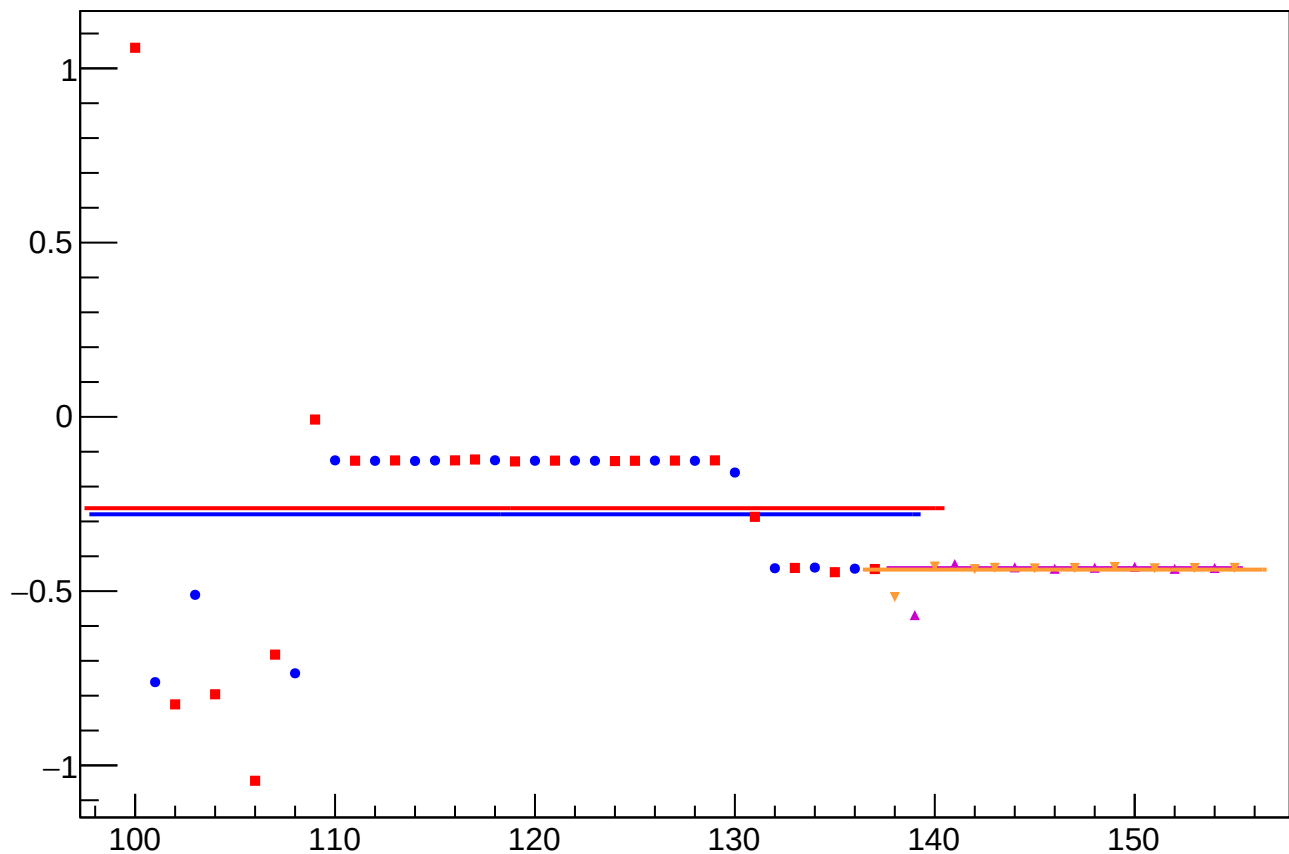
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 1525671.8/7

0.009 $\pm$ 0.000 χ^2/NDF : 2917261.8/26

0.009 $\pm$ 0.000 χ^2/NDF : 5870181.0/54

0.009 $\pm$ 0.000 χ^2/NDF : 2952832.6/27

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 : 24135514.5/9

Right Out: -0.262+/-0.000 χ^2/NDF : 1007161741.8/19

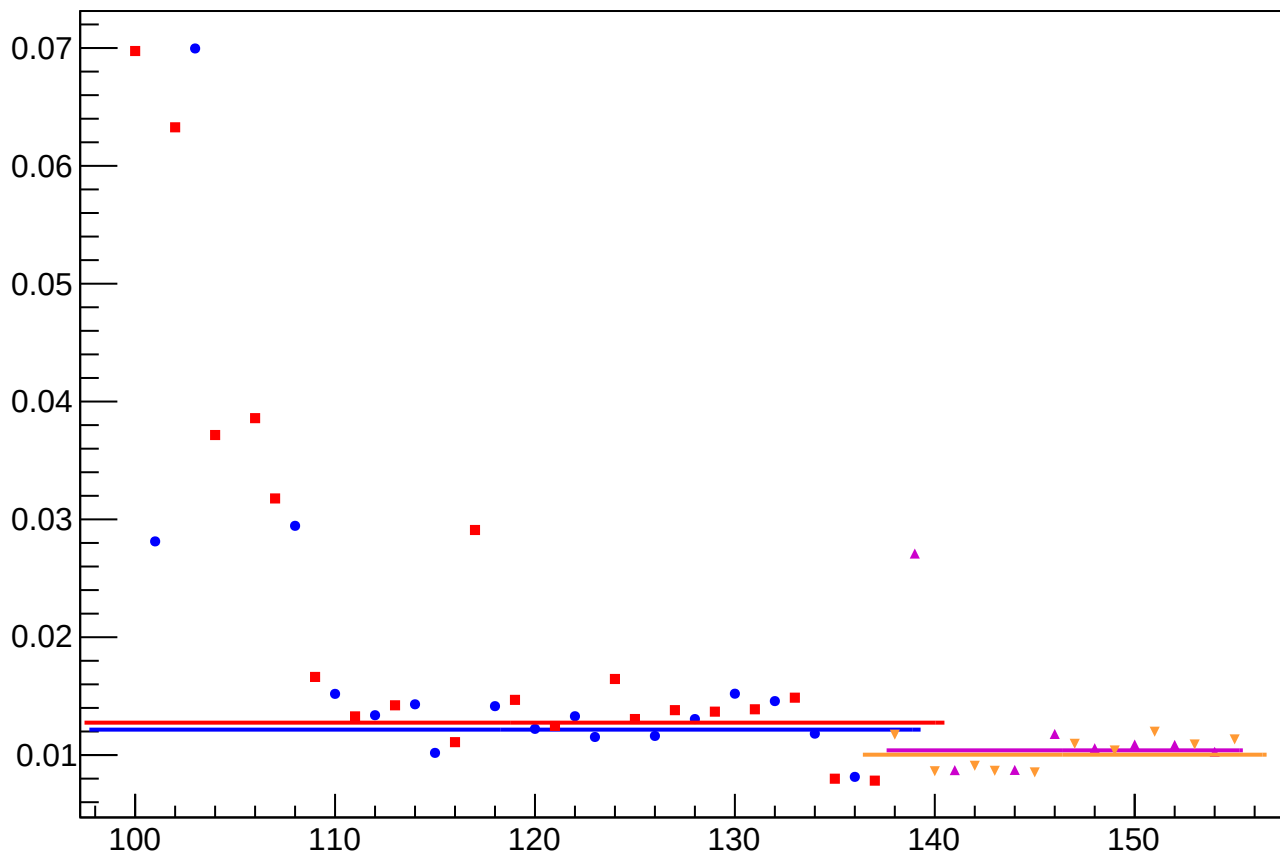
Left In: -0.434+/-0.000 χ^2/NDF : 18859846.7/7

-0.383+/-0.000 χ^2/NDF : 1469089436.5/26

-0.376+/-0.000 χ^2/NDF : 3049776269.0/54

-0.368+/-0.000 χ^2/NDF : 1571793491.2/27

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 : 195192.4/9

Right Out: 0.013+/-0.000 χ^2/NDF : 1991972.4/19

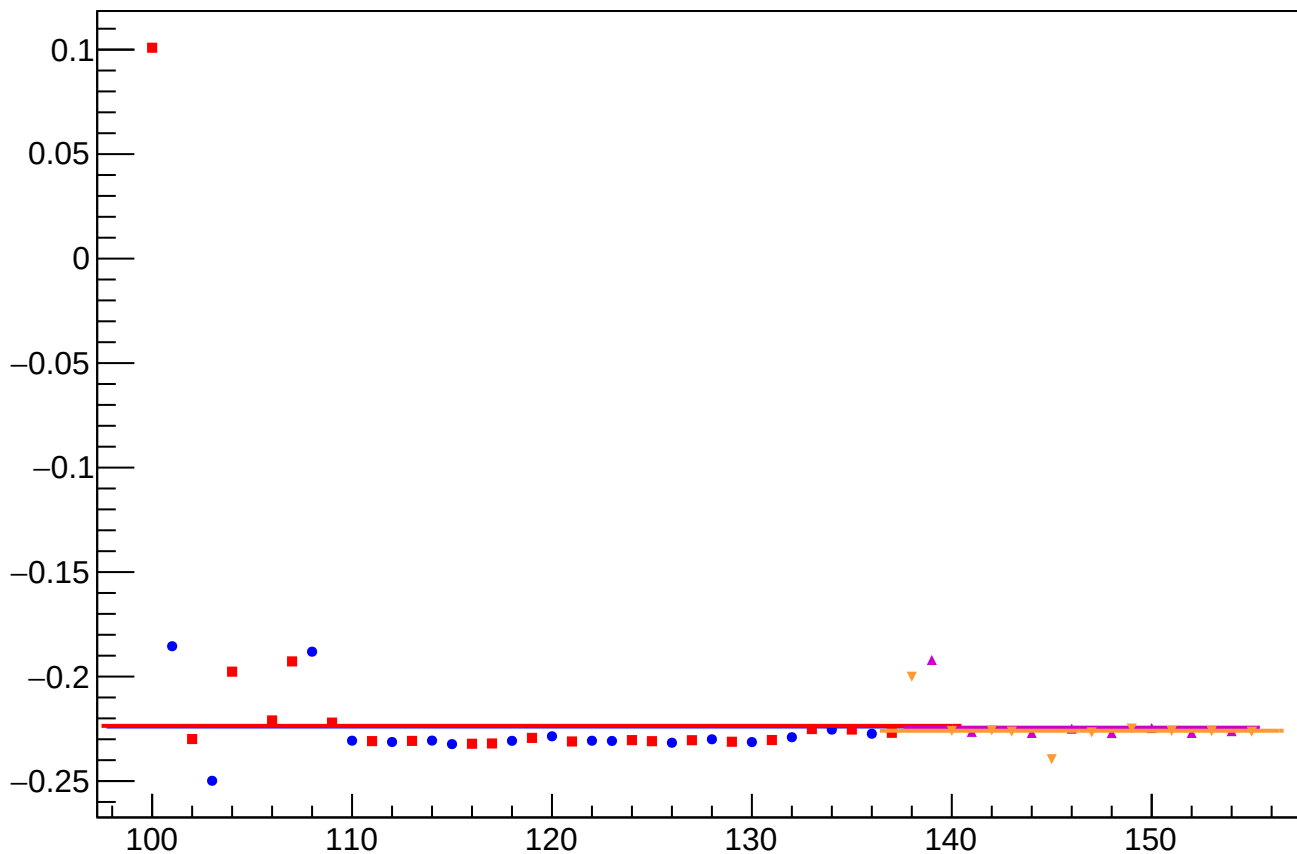
Left In: 0.010+/-0.000 χ^2/NDF : 659238.9/7

0.011+/-0.000 χ^2/NDF : 2103150.1/26

0.011+/-0.000 χ^2/NDF : 4981303.9/54

0.011+/-0.000 χ^2/NDF : 2855149.7/27

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 : 20522935.8/9

Right Out: -0.224+/-0.000 χ^2/NDF : 168229582.1/19

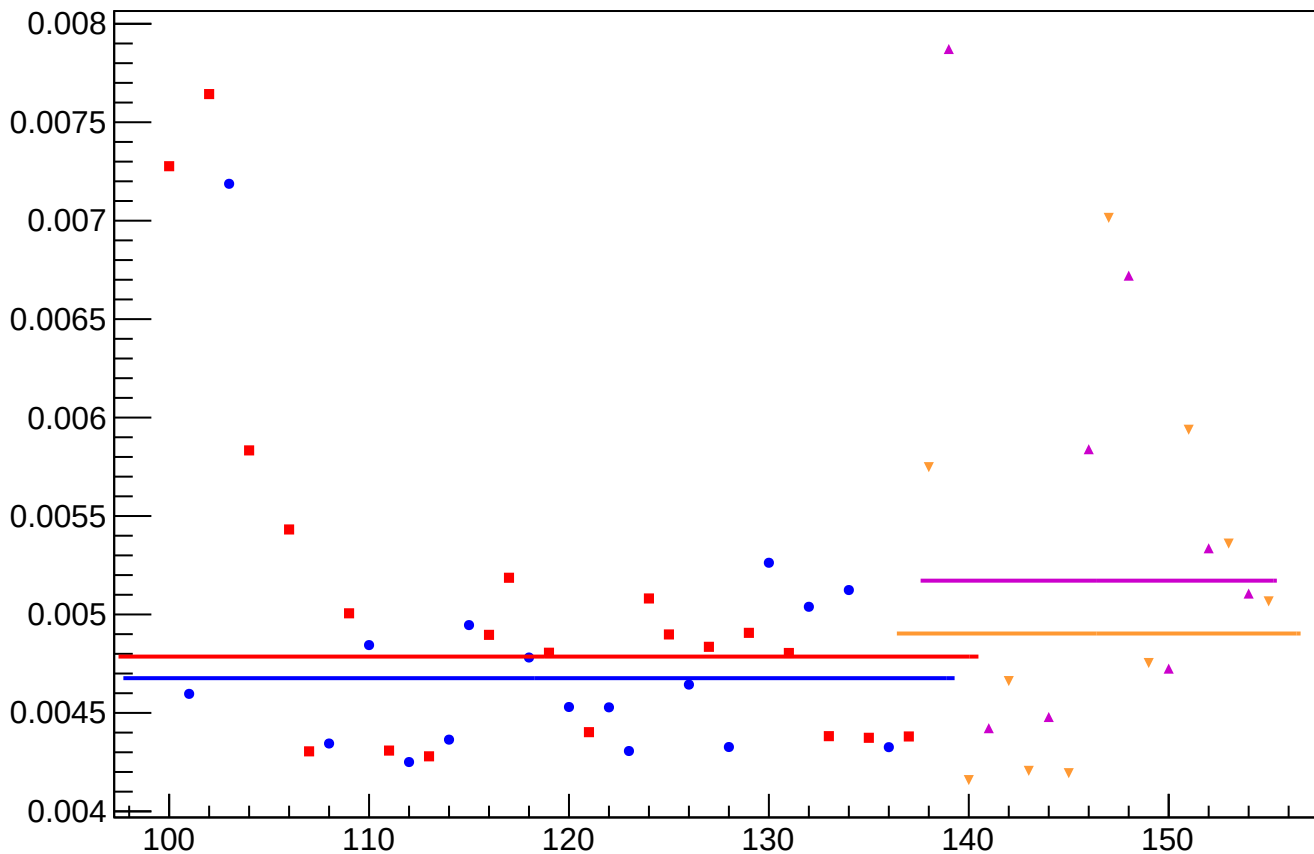
Left In: -0.224+/-0.000 χ^2/NDF : 12427463.3/7

-0.225+/-0.000 χ^2/NDF : 95691003.5/26

-0.224+/-0.000 χ^2/NDF : 276671013.3/54

-0.224+/-0.000 χ^2/NDF : 180750035.7/27

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 : 346769.2/9

Right Out: 0.005+/-0.000 χ^2/NDF : 248745.3/19

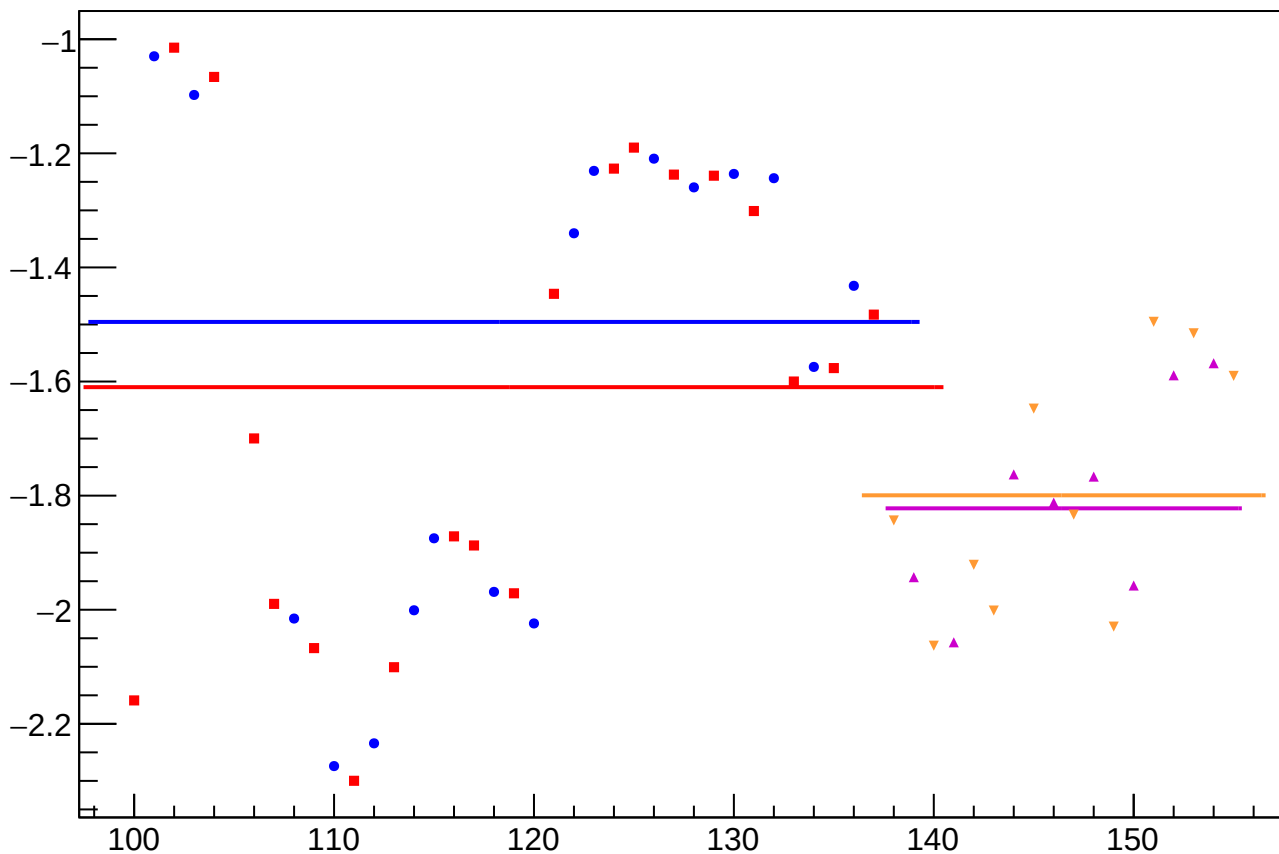
Left In: 0.005+/-0.000 χ^2/NDF : 360242.4/7

0.005+/-0.000 χ^2/NDF : 541743.5/26

0.005+/-0.000 χ^2/NDF : 1202478.6/54

0.005+/-0.000 χ^2/NDF : 646077.5/27

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496 $\pm$ 0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.799 $\pm$ 0.000 χ^2/NDF : 8525137045.1/9

Right Out: -1.610 $\pm$ 0.000 χ^2/NDF : 27936032778.6/19

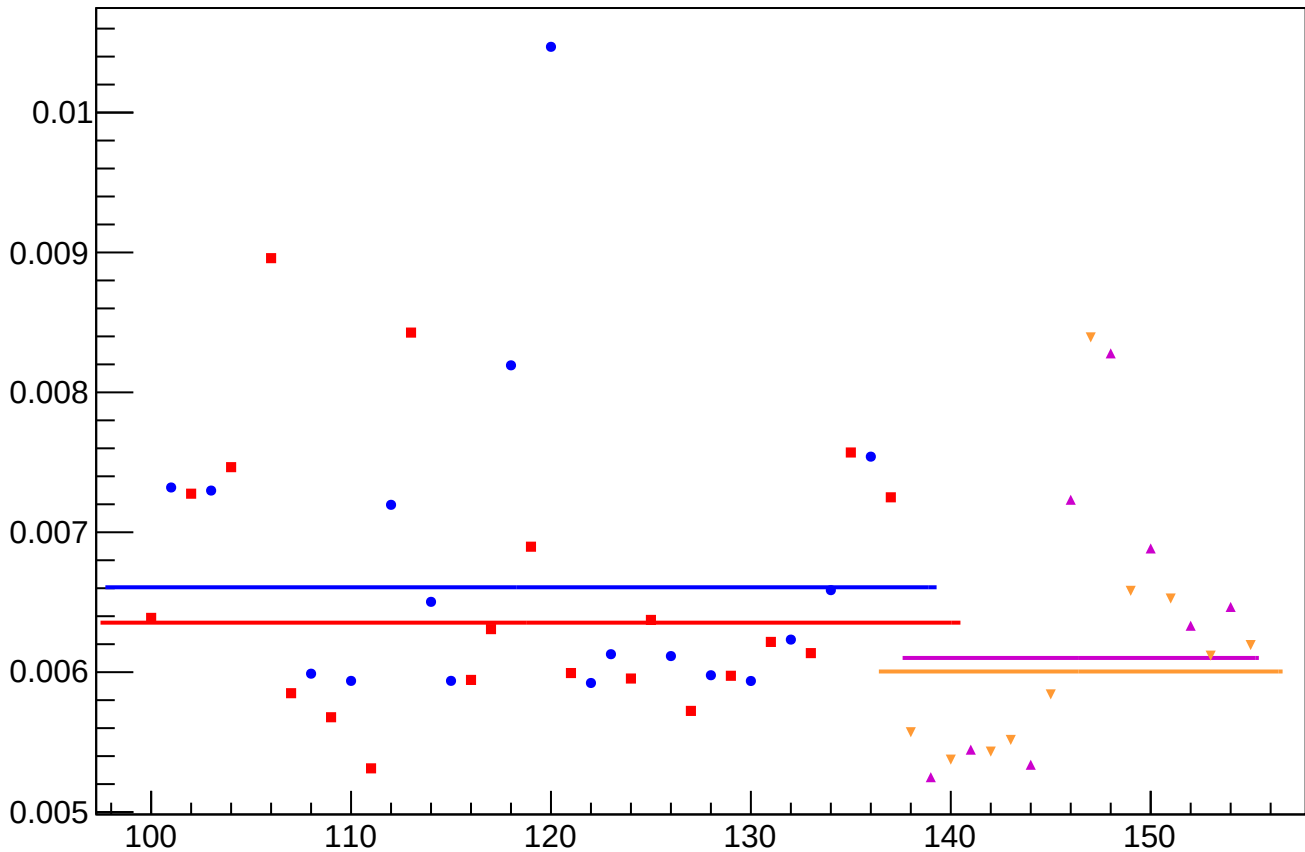
Left In: -1.822 $\pm$ 0.000 χ^2/NDF : 4654564333.0/7

-1.672 $\pm$ 0.000 χ^2/NDF : 38459571739.1/26

-1.693 $\pm$ 0.000 χ^2/NDF : 75039378817.2/26

-1.715 $\pm$ 0.000 χ^2/NDF : 36266660857.2/27

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 201323.2/16

Left Out: 0.006+/-0.000 χ^2/NDF :186261.0/9

Right Out: 0.006+/-0.000 χ^2/NDF : 227292.5/19

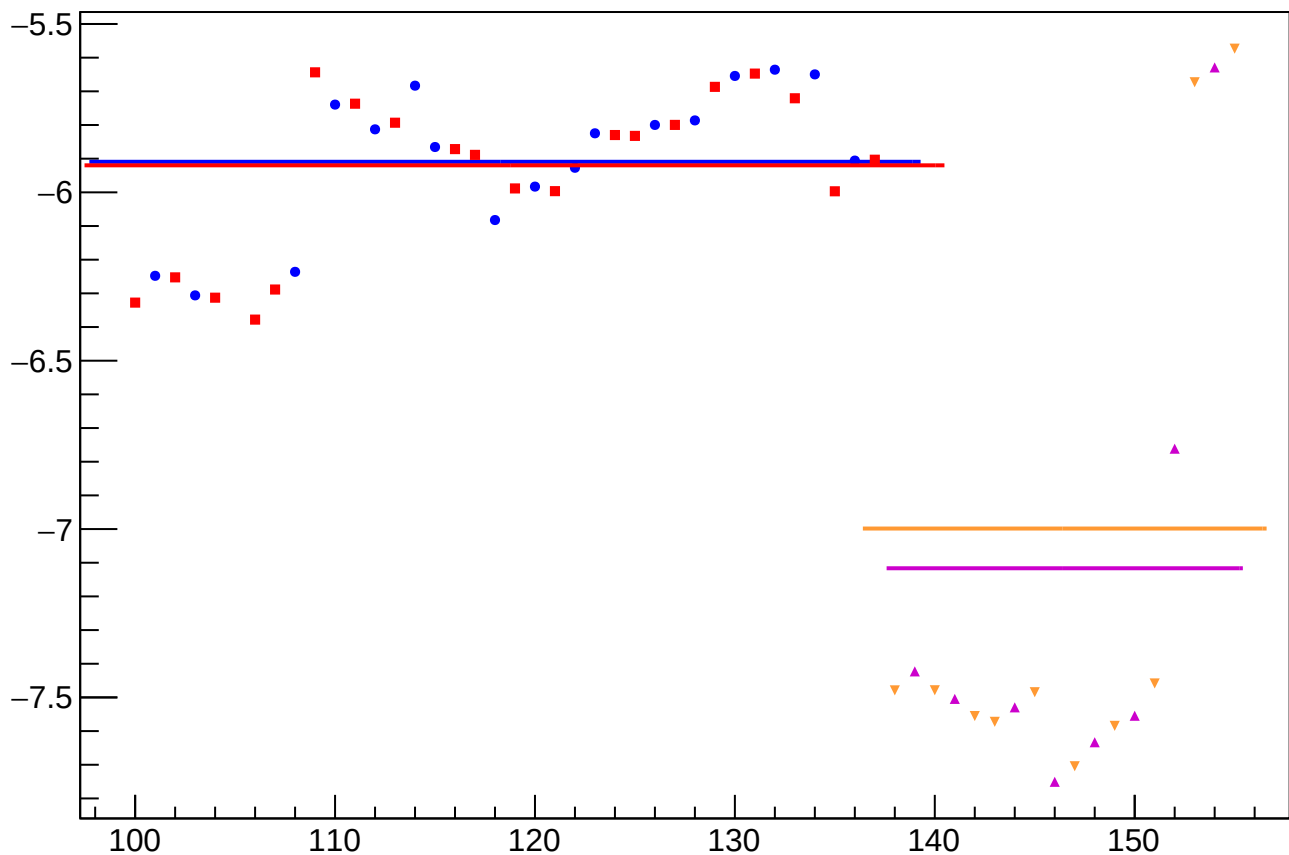
Left In: 0.006+/-0.000 χ^2/NDF :255383.9/7

0.006+/-0.000 χ^2/NDF : 445865.2/26

0.006+/-0.000 χ^2/NDF : 939191.5/54

0.006+/-0.000 χ^2/NDF : 493042.5/27

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -6.998+/-0.000 χ^2/NDF : 70133851222.0/9

Right Out: -5.920+/-0.000 χ^2/NDF : 12786104538.4/19

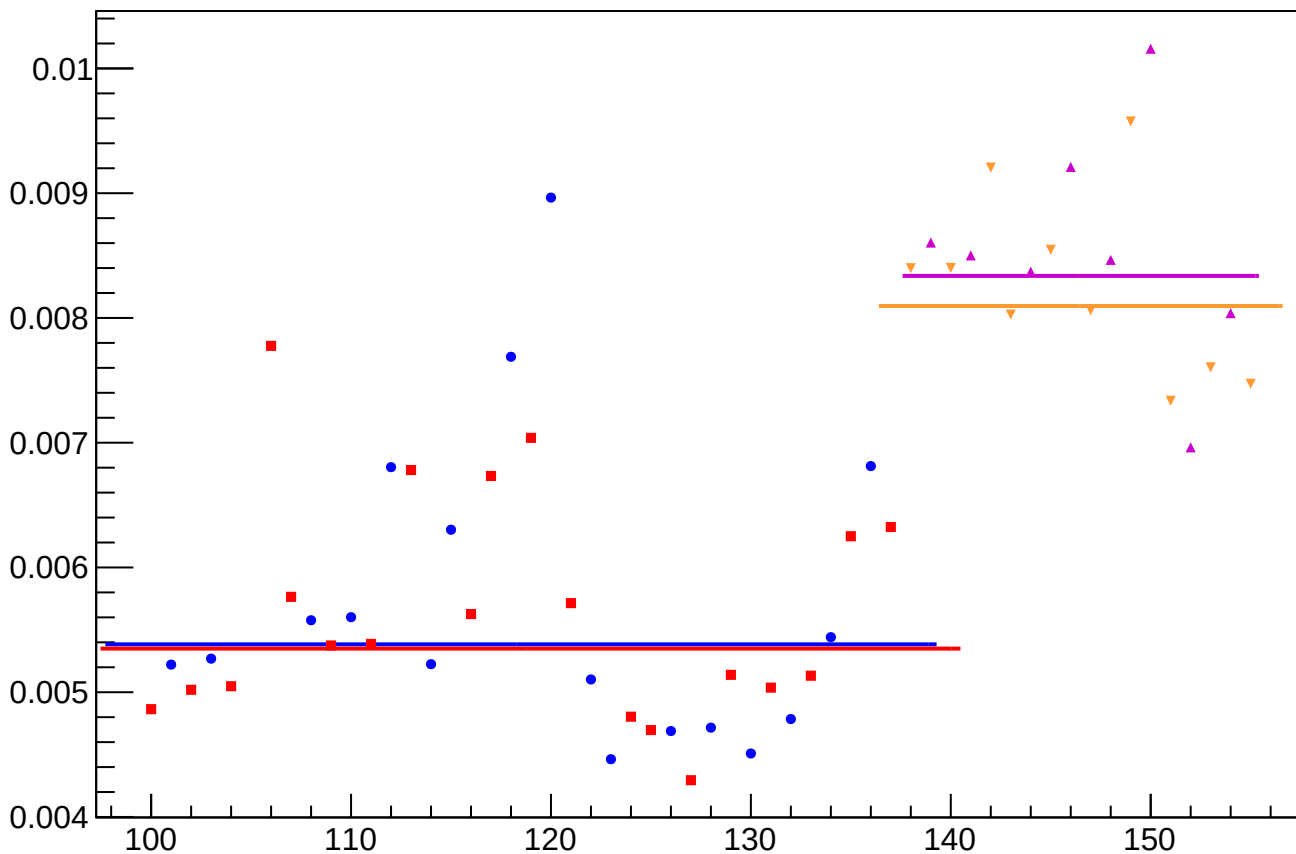
Left In: -7.116+/-0.000 χ^2/NDF : 39942119557.8/7

-6.255+/-0.000 χ^2/NDF : 157497850654.8/26

-6.246+/-0.000 χ^2/NDF : 295161277208.3

-6.237+/-0.000 χ^2/NDF : 137611316298.6/27

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 : 80068.3/9

Right Out: 0.005+/-0.000 χ^2/NDF : 247999.6/19

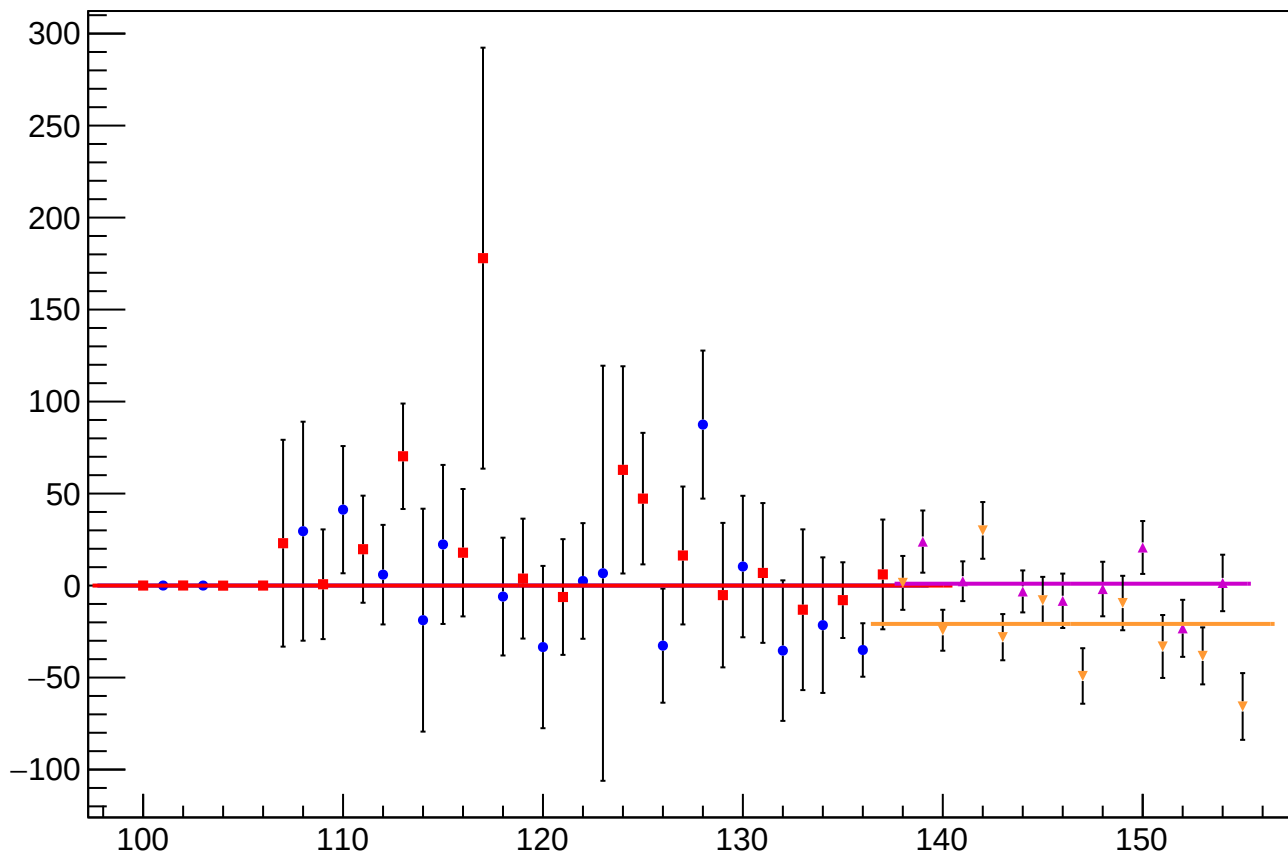
Left In: 0.008+/-0.000 χ^2/NDF : 120204.8/7

0.006+/-0.000 χ^2/NDF : 1373045.4/26

0.006+/-0.000 χ^2/NDF : 2802683.1/54

0.006+/-0.000 χ^2/NDF : 1426351.7/27

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.013 ± 0.017 χ^2/NDF : 15.8/16

Left Out: -20.840 ± 4.515 χ^2/NDF : 26.6/9

Right Out: -0.003 ± 0.016 χ^2/NDF : 17.7/19

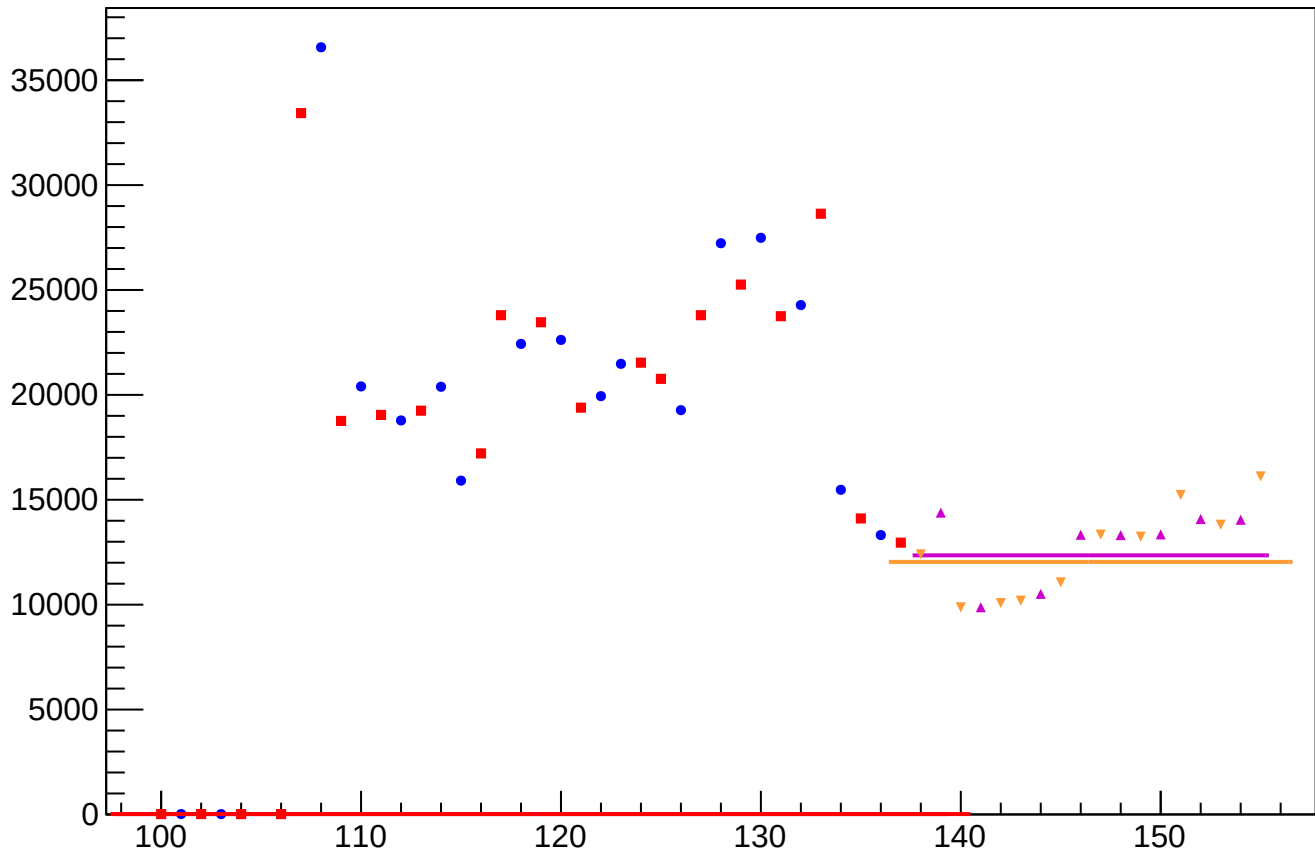
Left In: 1.008 ± 4.872 χ^2/NDF : 6.7/7

0.013 ± 0.017 χ^2/NDF : 63.7/26

0.004 ± 0.012 χ^2/NDF : 88.7/54

-0.003 ± 0.016 χ^2/NDF : 24.5/27

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 18.641+/-0.012 χ^2/NDF : 10841561.4/16

Left Out: 12039.522+/-3.193 χ^2/NDF : 389554.8/9

Right Out: 18.312+/-0.011 χ^2/NDF : 11189737.0/19

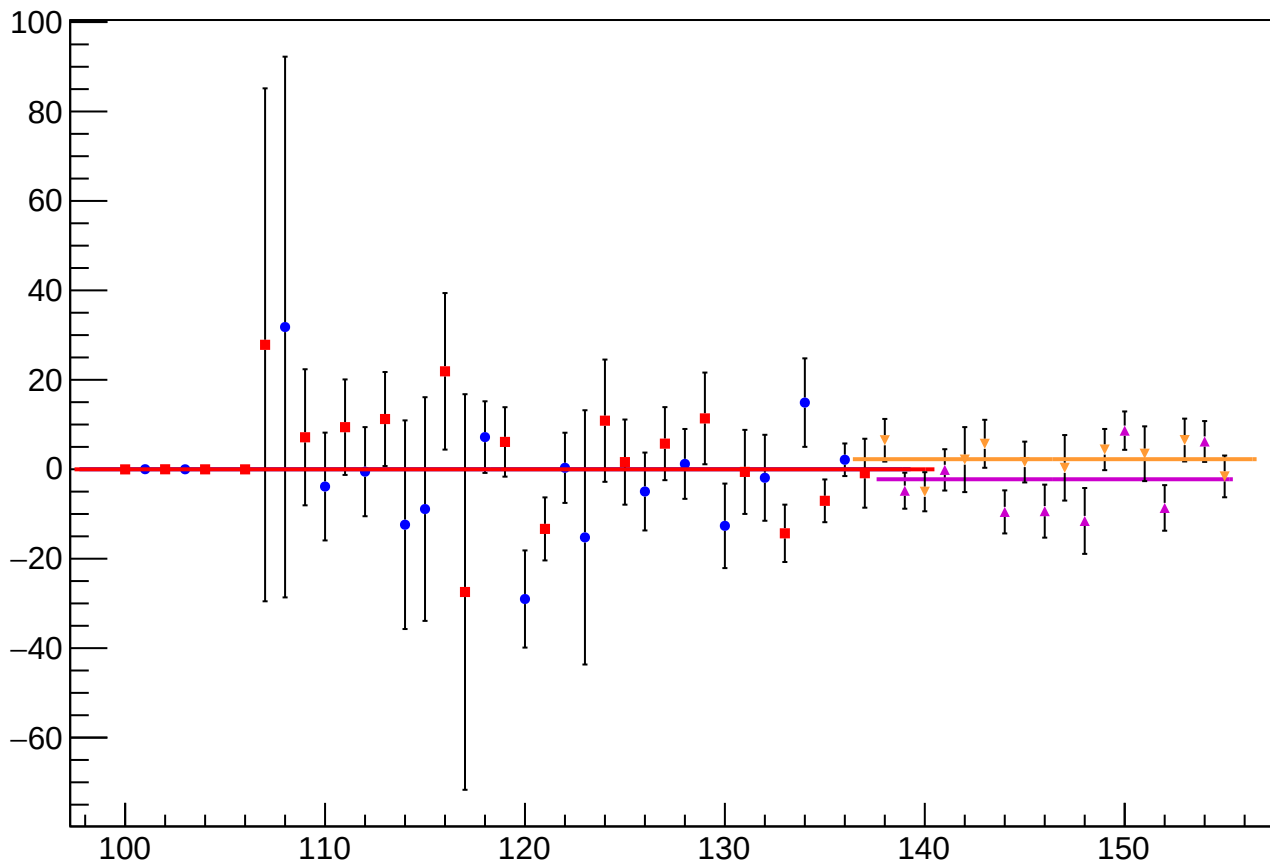
Left In: 12351.179+/-3.445 χ^2/NDF : 261929.2/7

18.818+/-0.012 χ^2/NDF : 25406427.6/26

18.618+/-0.008 χ^2/NDF : 49675178.9/54

18.446+/-0.011 χ^2/NDF : 24268256.2/27

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 14.9/16

Left Out: 2.254 $\pm$ 1.622 χ^2 /NDF: 5.8/9

Right Out: -0.014 $\pm$ 0.009 χ^2 /NDF: 18.8/19

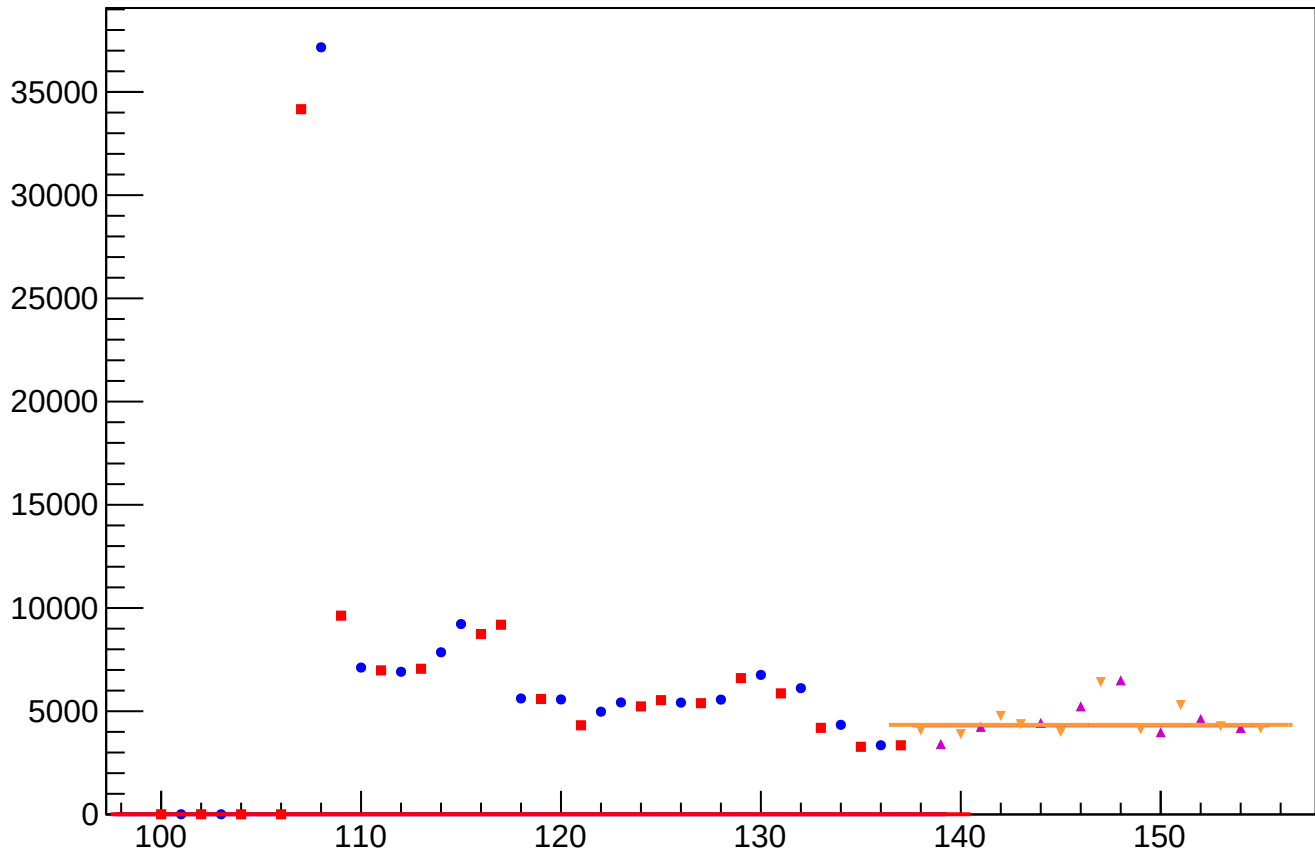
Left In: -2.236 $\pm$ 1.717 χ^2 /NDF: 17.4/7

0.001 $\pm$ 0.009 χ^2 /NDF: 22.6/26

-0.007 $\pm$ 0.006 χ^2 /NDF: 61.9/54

-0.014 $\pm$ 0.009 χ^2 /NDF: 37.8/27

diff_cav4bY_rms vs Slug, Sign Corrected



Right In: 9.938+/-0.007 χ^2/NDF : 10973577.1/16

Left Out: 4340.195+/-1.147 χ^2/NDF : 262913.9/9

Right Out: 9.855+/-0.006 χ^2/NDF : 11238836.3/19

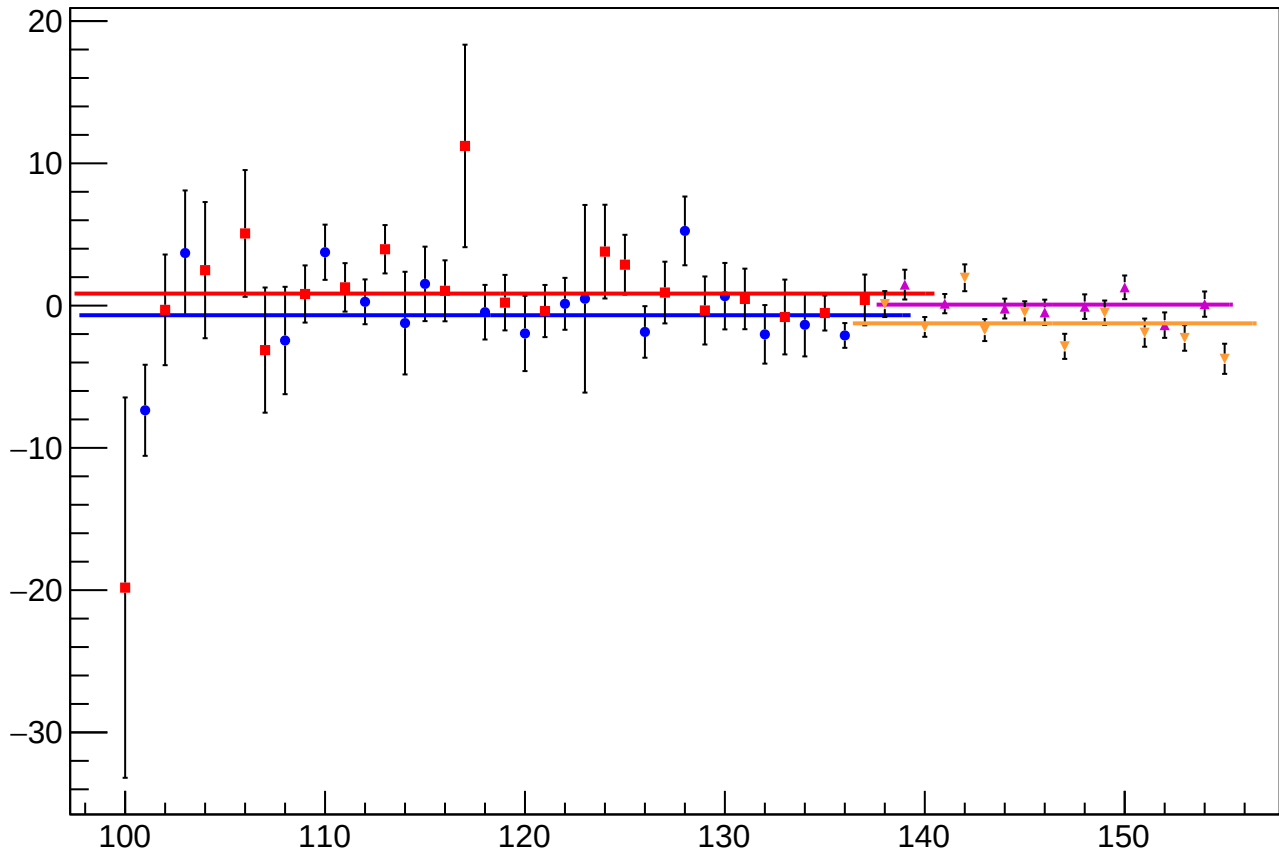
Left In: 4319.158+/-1.214 χ^2/NDF : 346925.5/7

10.077+/-0.007 χ^2/NDF : 25486659.1/26

10.017+/-0.004 χ^2/NDF : 49673632.2/54

9.964+/-0.006 χ^2/NDF : 24186812.0/27

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.677 ± 0.484 χ^2/NDF : 22.3/16

Left Out: -1.247 ± 0.272 χ^2/NDF : 26.6/9

Right Out: 0.846 ± 0.500 χ^2/NDF : 14.1/19

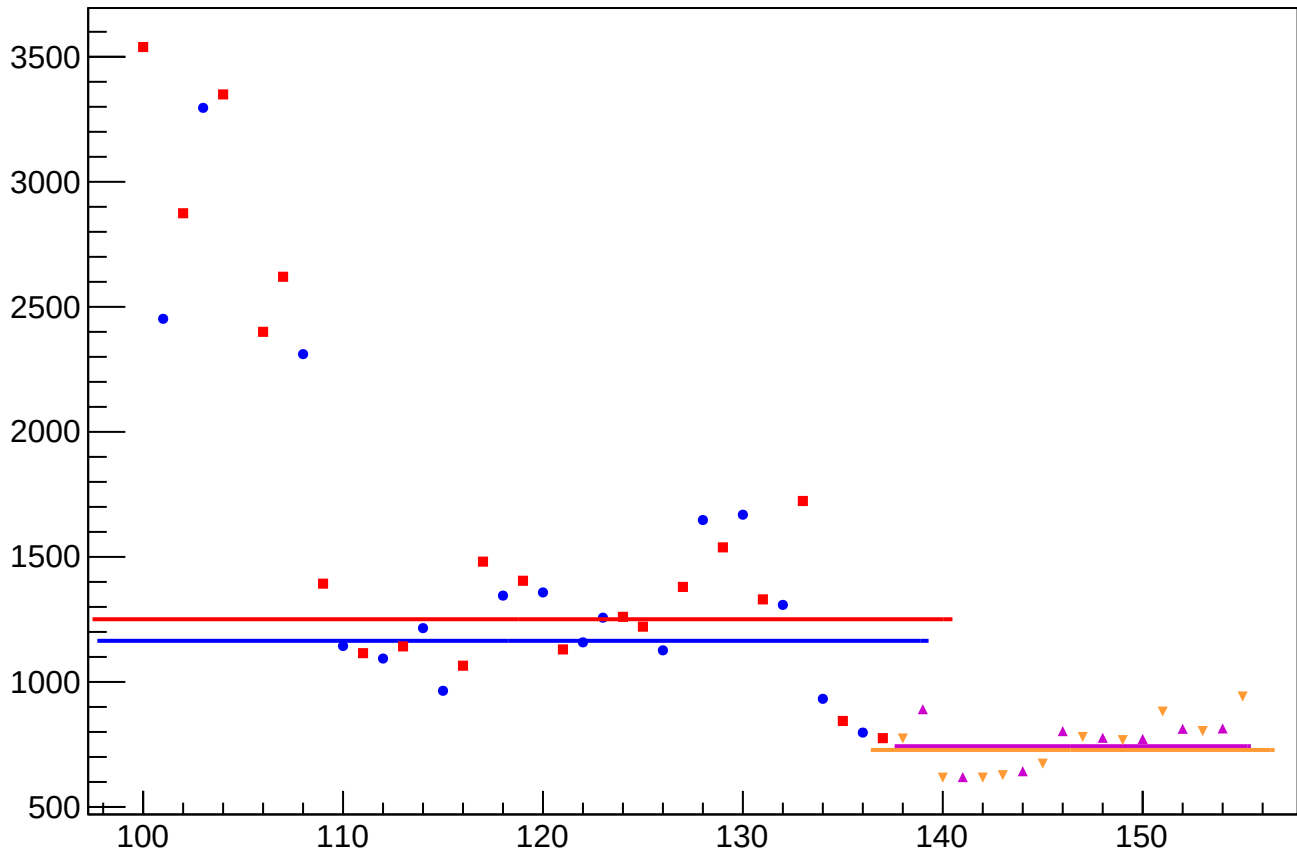
Left In: 0.069 ± 0.292 χ^2/NDF : 7.1/7

-1.110 ± 0.237 χ^2/NDF : 50.0/26

-0.464 ± 0.173 χ^2/NDF : 88.8/54

0.267 ± 0.252 χ^2/NDF : 23.0/27

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1164.459+/-0.342 χ^2/NDF : 1584212.9/16

Left Out: 728.071+/-0.192 χ^2/NDF : 281963.0/9

Right Out: 1250.738+/-0.354 χ^2/NDF : 1652238.9/19

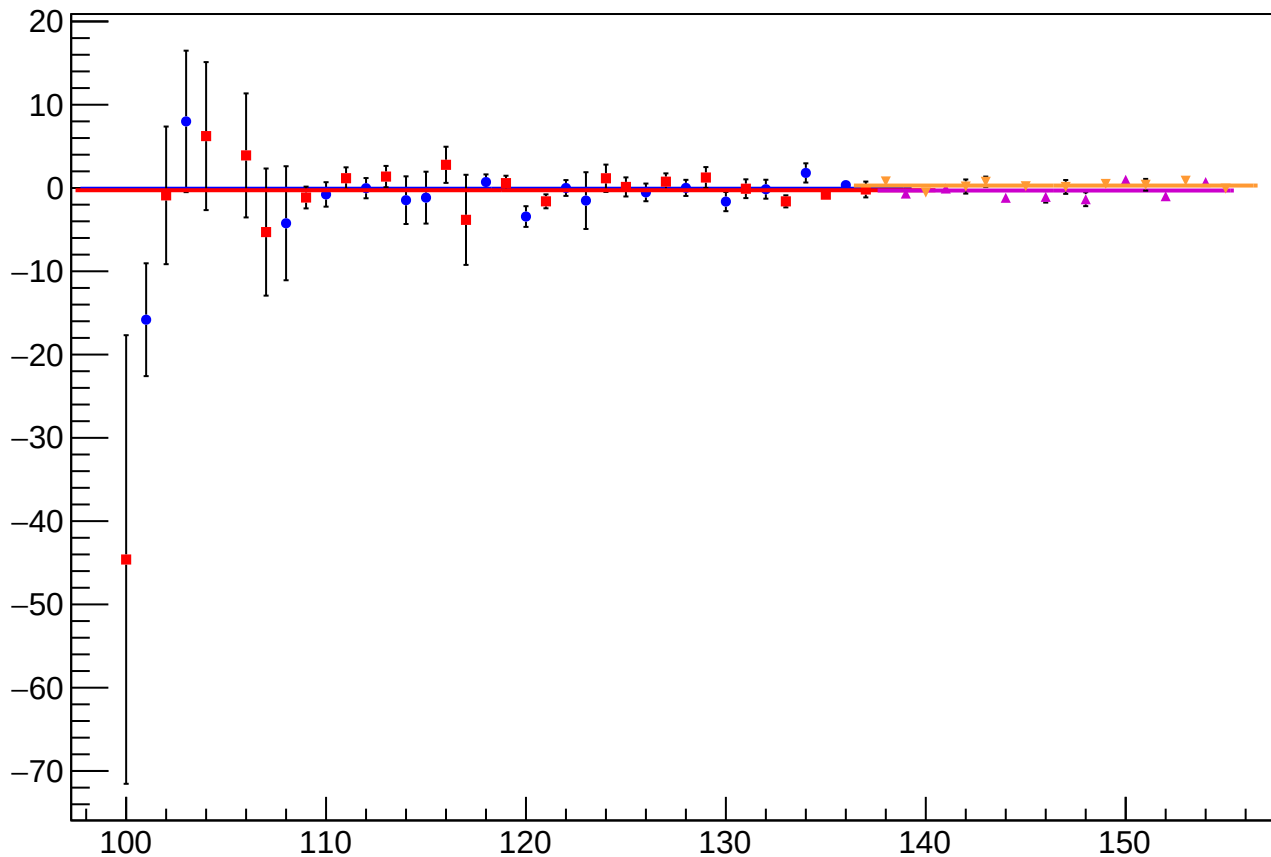
Left In: 743.019+/-0.207 χ^2/NDF : 187279.5/7

832.693+/-0.168 χ^2/NDF : 3101546.7/26

851.223+/-0.122 χ^2/NDF : 6504321.4/54

872.203+/-0.178 χ^2/NDF : 3376718.0/27

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

Left Out: 0.294 ± 0.192 χ^2/NDF : 5.6/9

Right Out: -0.268 ± 0.264 χ^2/NDF : 20.9/19

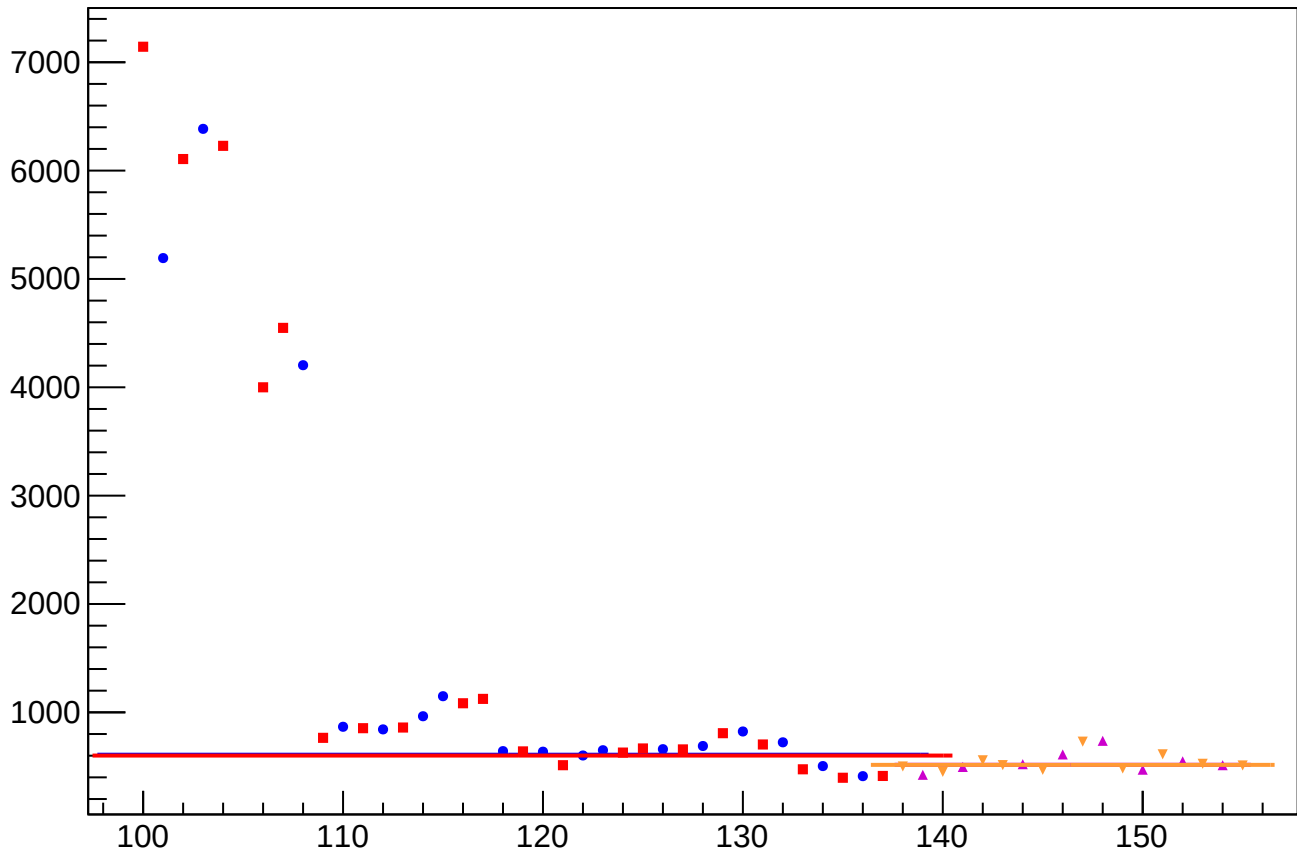
Left In: -0.302 ± 0.204 χ^2/NDF : 16.9/7

0.167 ± 0.157 χ^2/NDF : 27.9/26

-0.054 ± 0.112 χ^2/NDF : 69.9/54

-0.289 ± 0.162 χ^2/NDF : 37.8/27

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 609.016+/-0.191 χ^2/NDF : 3139231.5/16

Left Out: 515.195+/-0.136 χ^2/NDF : 232814.6/9

Right Out: 601.159+/-0.187 χ^2/NDF : 3566339.5/19

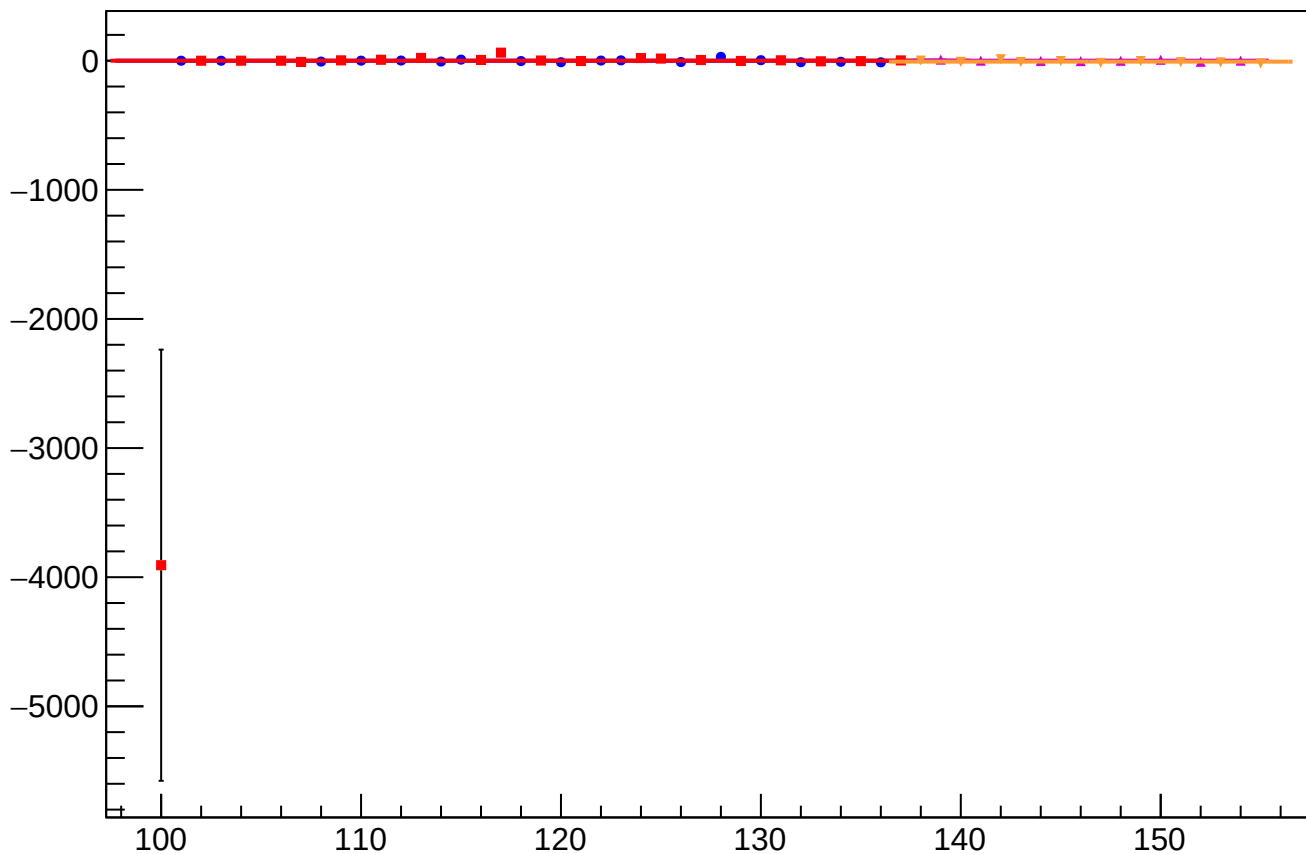
Left In: 516.024+/-0.145 χ^2/NDF : 271857.3/7

546.721+/-0.111 χ^2/NDF : 3532207.1/26

547.303+/-0.080 χ^2/NDF : 7500499.5/54

547.922+/-0.114 χ^2/NDF : 3968235.5/27

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022 $\pm$ 0.021 χ^2 /NDF: 15.3/16

Left Out: -7.189 $\pm$ 1.579 χ^2 /NDF: 26.7/9

Right Out: 0.027 $\pm$ 0.020 χ^2 /NDF: 19.8/19

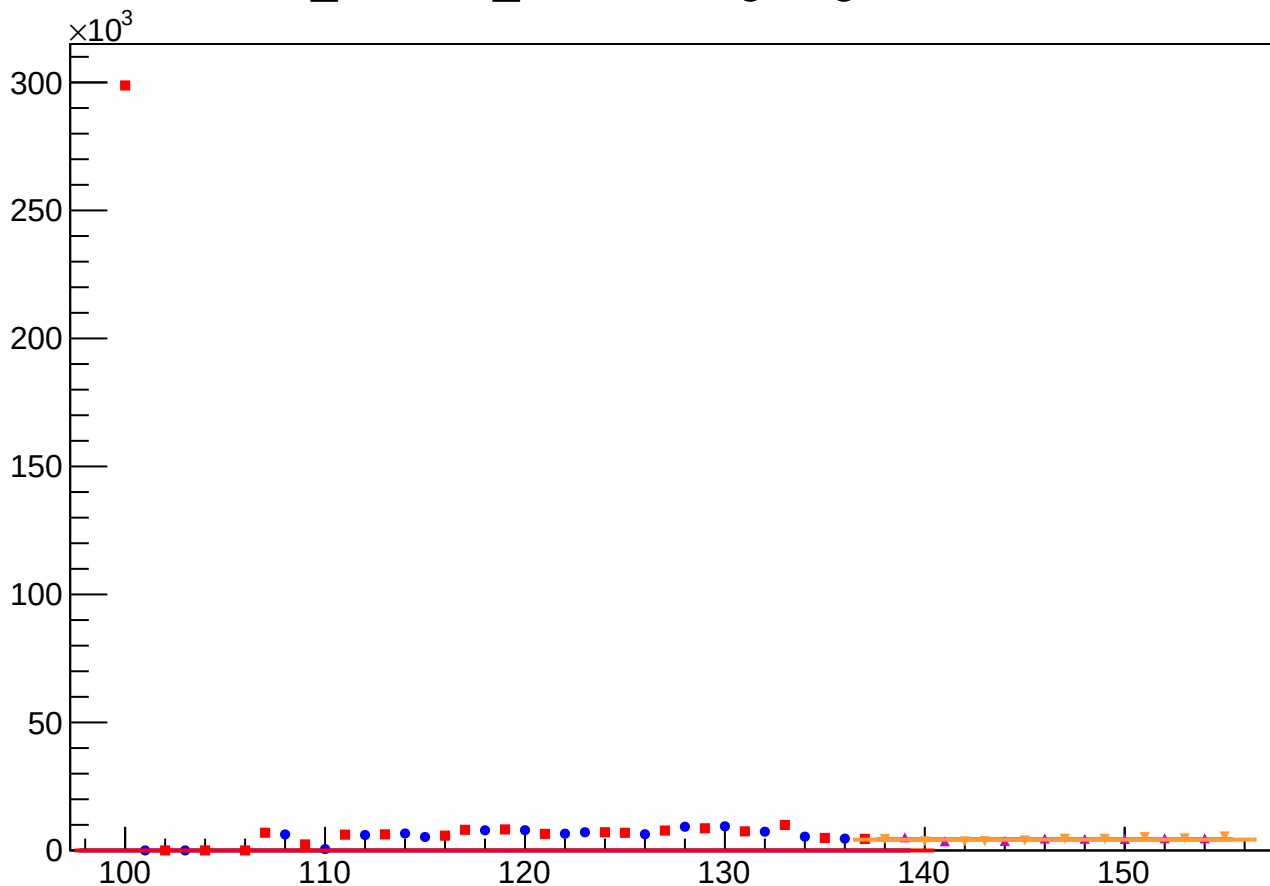
Left In: 0.405 $\pm$ 1.701 χ^2 /NDF: 7.1/7

-0.023 $\pm$ 0.021 χ^2 /NDF: 62.5/26

0.003 $\pm$ 0.014 χ^2 /NDF: 92.5/54

0.027 $\pm$ 0.020 χ^2 /NDF: 27.0/27

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 17.337 $\pm$ 0.015 χ^2 /NDF: 10359409.4/16

Left Out: 4224.316 $\pm$ 1.116 χ^2 /NDF: 302823.8/9

Right Out: 17.270 $\pm$ 0.014 χ^2 /NDF: 10899577.1/19

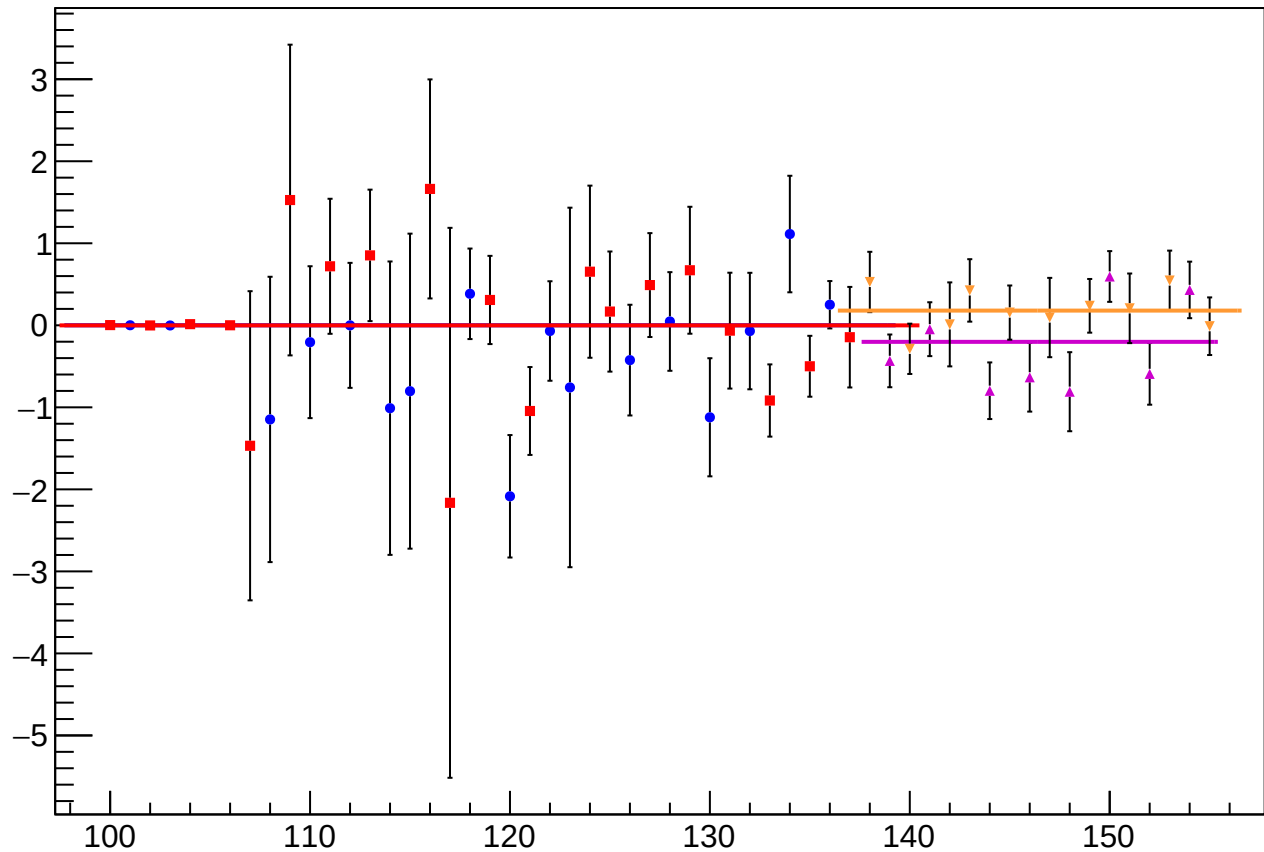
Left In: 4324.729 $\pm$ 1.203 χ^2 /NDF: 199318.0/7

18.067 $\pm$ 0.015 χ^2 /NDF: 24861219.0/26

17.954 $\pm$ 0.010 χ^2 /NDF: 48781483.9/54

17.852 $\pm$ 0.014 χ^2 /NDF: 23920153.5/27

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.002 χ^2/NDF : 15.6/16

Left Out: 0.179 $\pm$ 0.117 χ^2/NDF : 5.1/9

Right Out: -0.001 $\pm$ 0.002 χ^2/NDF : 18.2/19

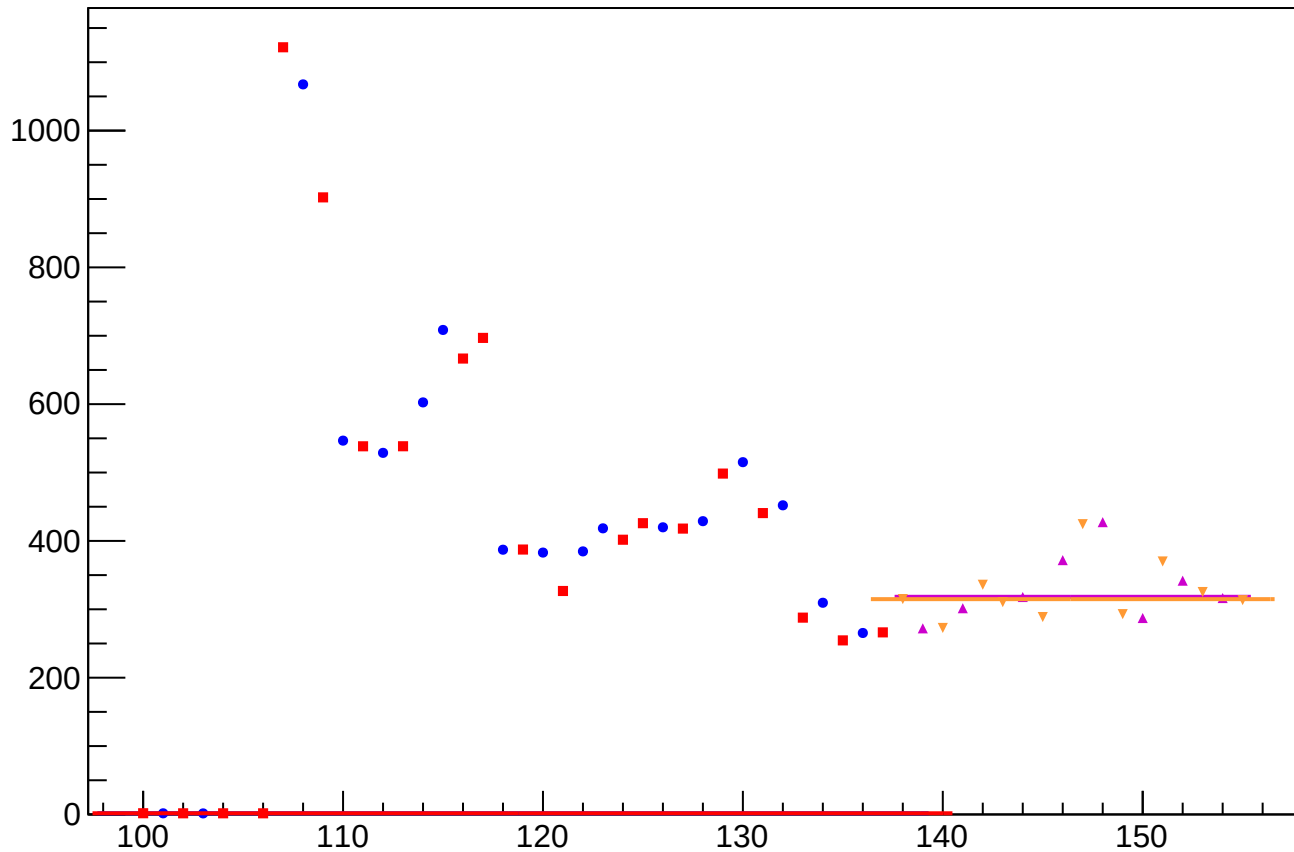
Left In: -0.202 $\pm$ 0.126 χ^2/NDF : 17.5/7

0.000 $\pm$ 0.002 χ^2/NDF : 23.1/26

-0.000 $\pm$ 0.001 χ^2/NDF : 61.5/54

-0.001 $\pm$ 0.002 χ^2/NDF : 38.2/27

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.698 ± 0.001 χ^2/NDF : 10911617.0/16

Left Out: 314.847 ± 0.083 χ^2/NDF : 201102.9/9

Right Out: 1.729 ± 0.001 χ^2/NDF : 10822679.1/19

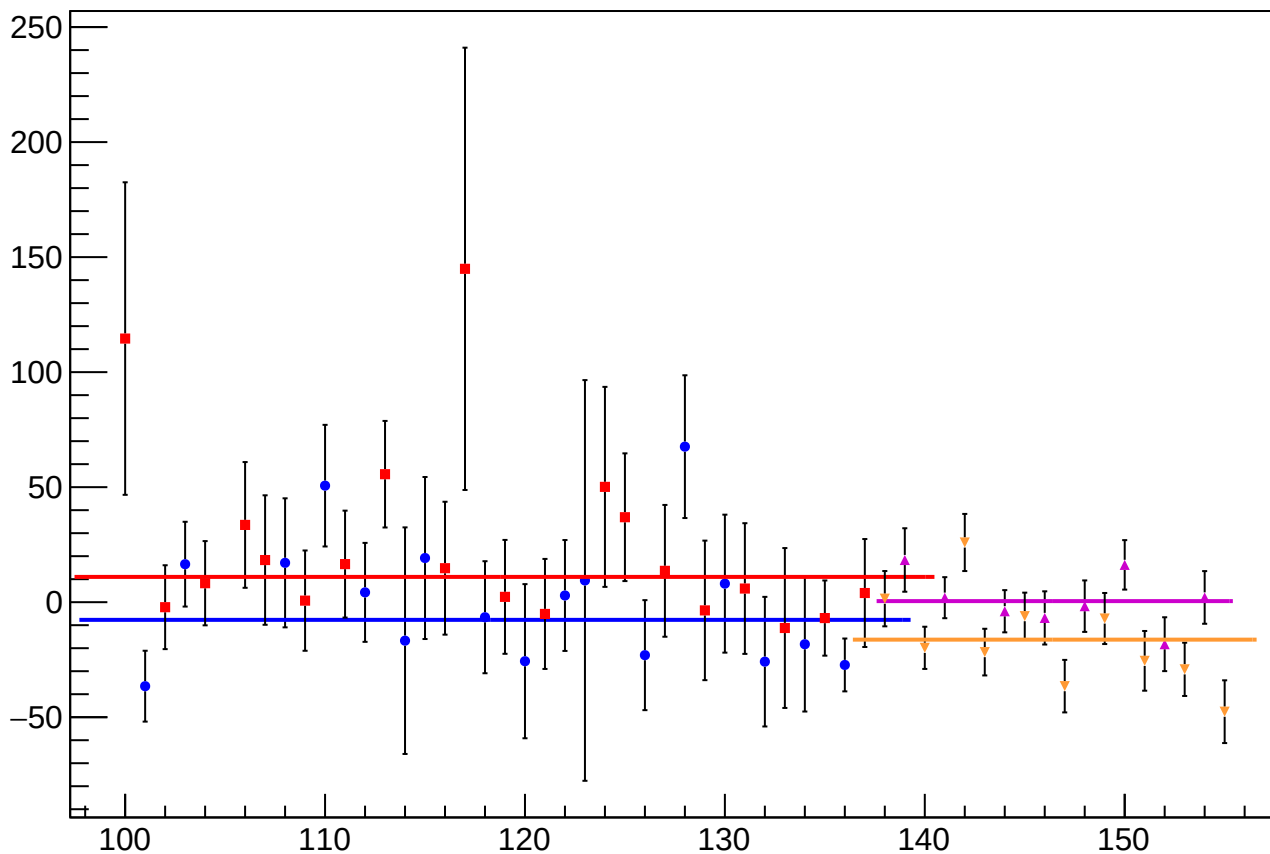
Left In: 318.276 ± 0.089 χ^2/NDF : 209919.8/7

1.792 ± 0.001 χ^2/NDF : 25369459.5/26

1.798 ± 0.001 χ^2/NDF : 49089564.3/54

1.804 ± 0.001 χ^2/NDF : 23720067.7/27

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.683 $\pm$ 5.627 χ^2/NDF : 22.4/16

Left Out: -16.281 $\pm$ 3.554 χ^2/NDF : 26.0/9

Right Out: 10.992 $\pm$ 5.672 χ^2/NDF : 13.8/19

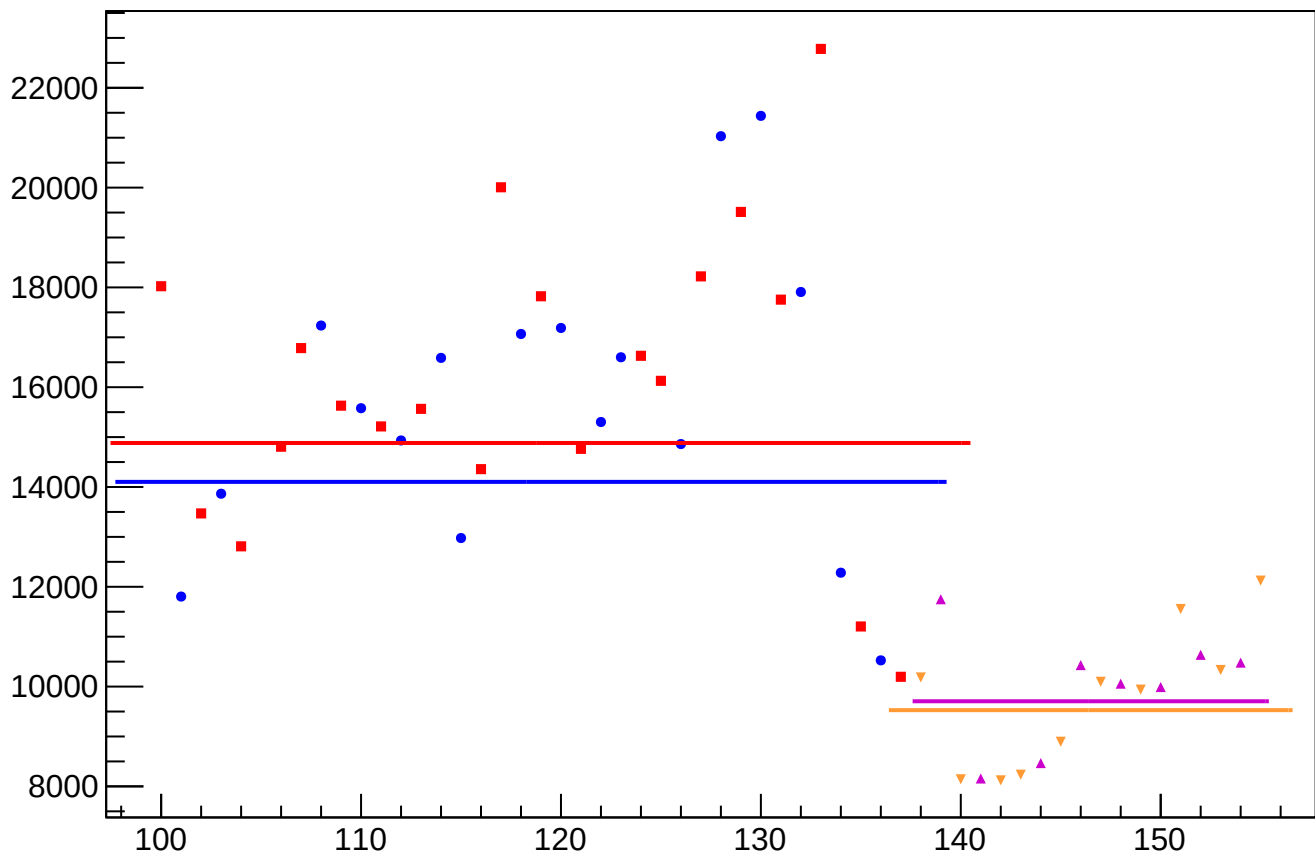
Left In: 0.467 $\pm$ 3.814 χ^2/NDF : 7.1/7

-13.829 $\pm$ 3.005 χ^2/NDF : 50.1/26

-5.498 $\pm$ 2.179 χ^2/NDF : 89.6/54

3.744 $\pm$ 3.165 χ^2/NDF : 23.3/27

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14102.522+/-3.979 χ^2/NDF : 598934.8/16

Left Out: 9527.364+/-2.513 χ^2/NDF : 256111.3/9

Right Out: 14882.066+/-4.011 χ^2/NDF : 475983.1/19

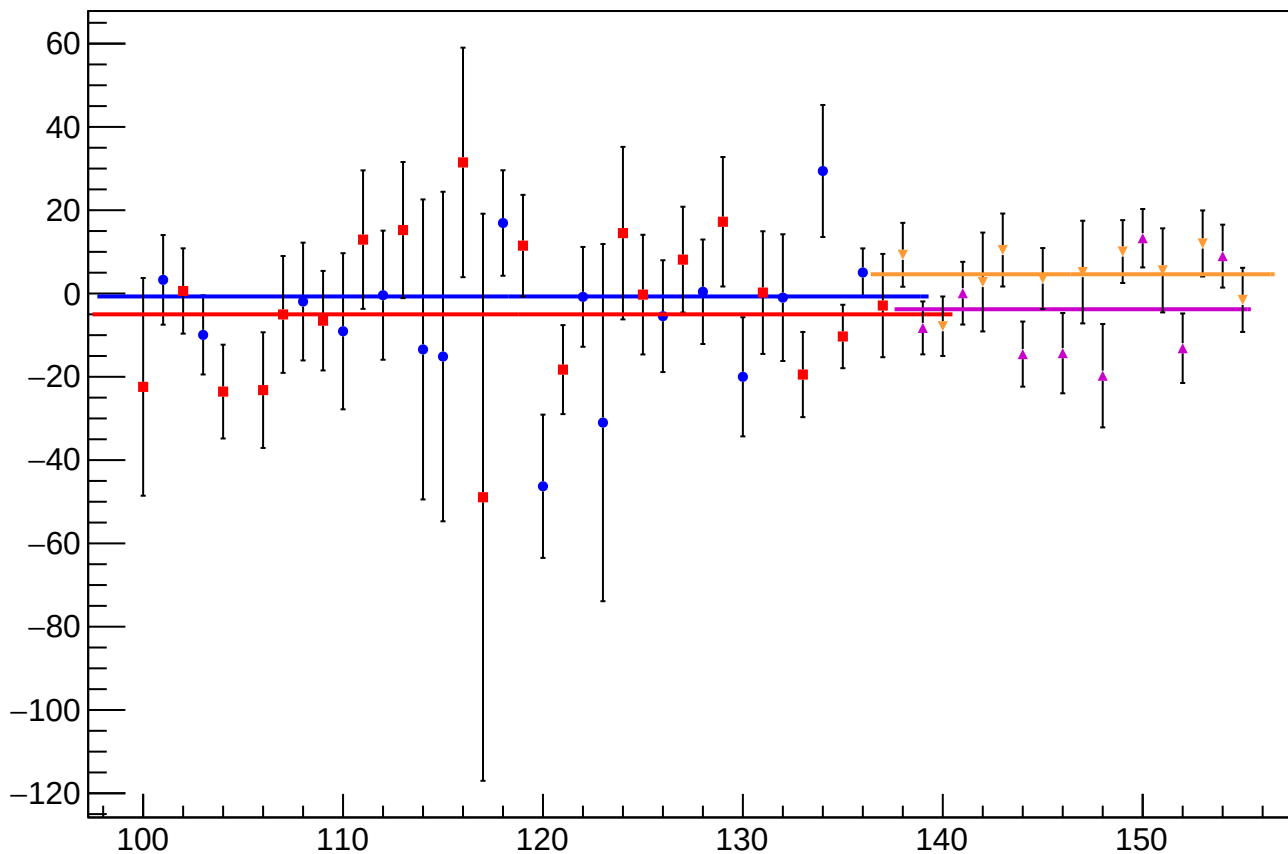
Left In: 9705.653+/-2.697 χ^2/NDF : 173622.1/7

10832.195+/-2.125 χ^2/NDF : 1800066.1/26

11062.204+/-1.541 χ^2/NDF : 3621370.5/5

11317.352+/-2.238 χ^2/NDF : 1796591.4/27

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.708 ± 3.084 χ^2/NDF : 17.6/16

Left Out: 4.623 ± 2.653 χ^2/NDF : 5.9/9

Right Out: -5.000 ± 2.937 χ^2/NDF : 20.2/19

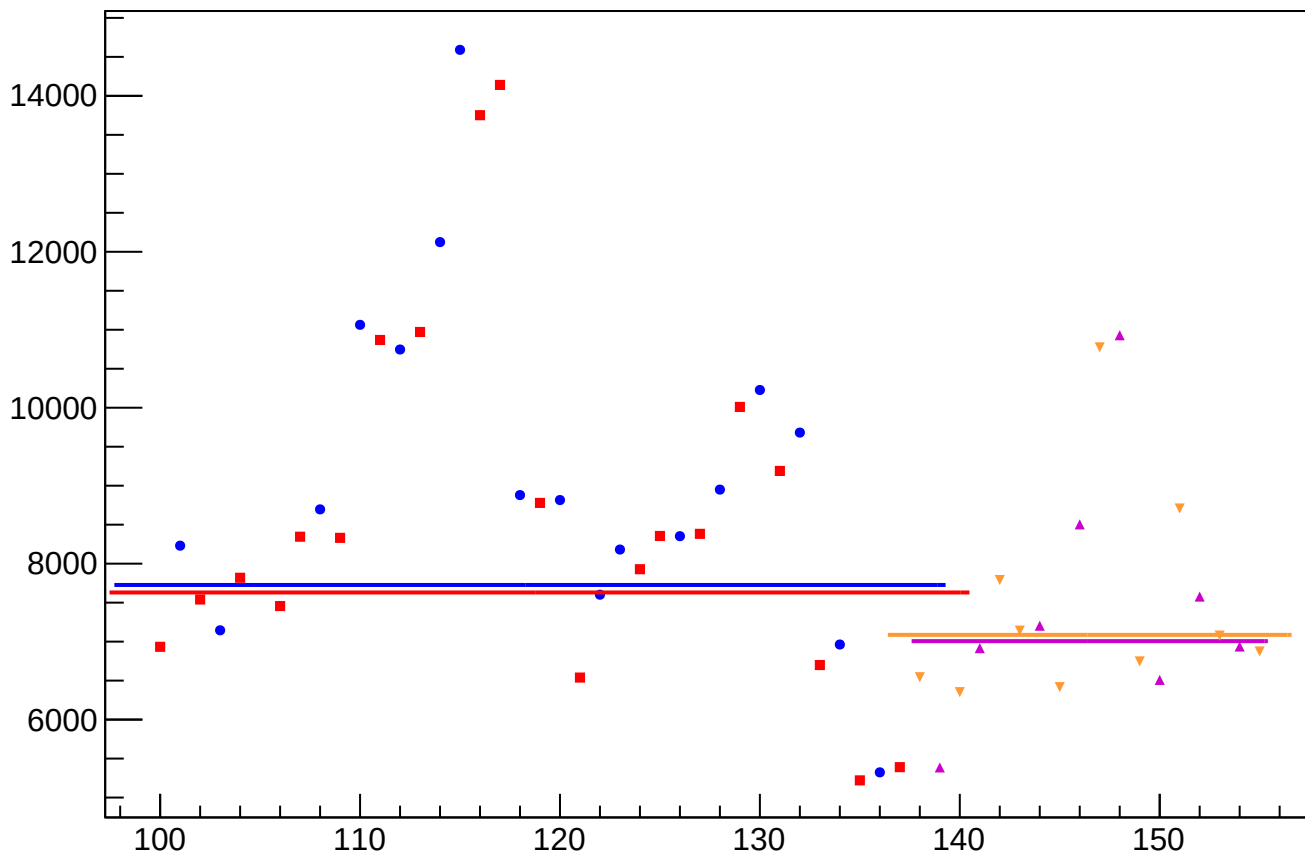
Left In: -3.780 ± 2.793 χ^2/NDF : 15.5/7

2.355 ± 2.011 χ^2/NDF : 25.2/26

-0.981 ± 1.427 χ^2/NDF : 66.6/54

-4.359 ± 2.024 χ^2/NDF : 35.8/27

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7726.745 $\pm$ 2.180 χ^2 /NDF: 742512.8/16

Left Out: 7086.793 $\pm$ 1.876 χ^2 /NDF: 291297.6/9

Right Out: 7630.342 $\pm$ 2.077 χ^2 /NDF: 693444.5/19

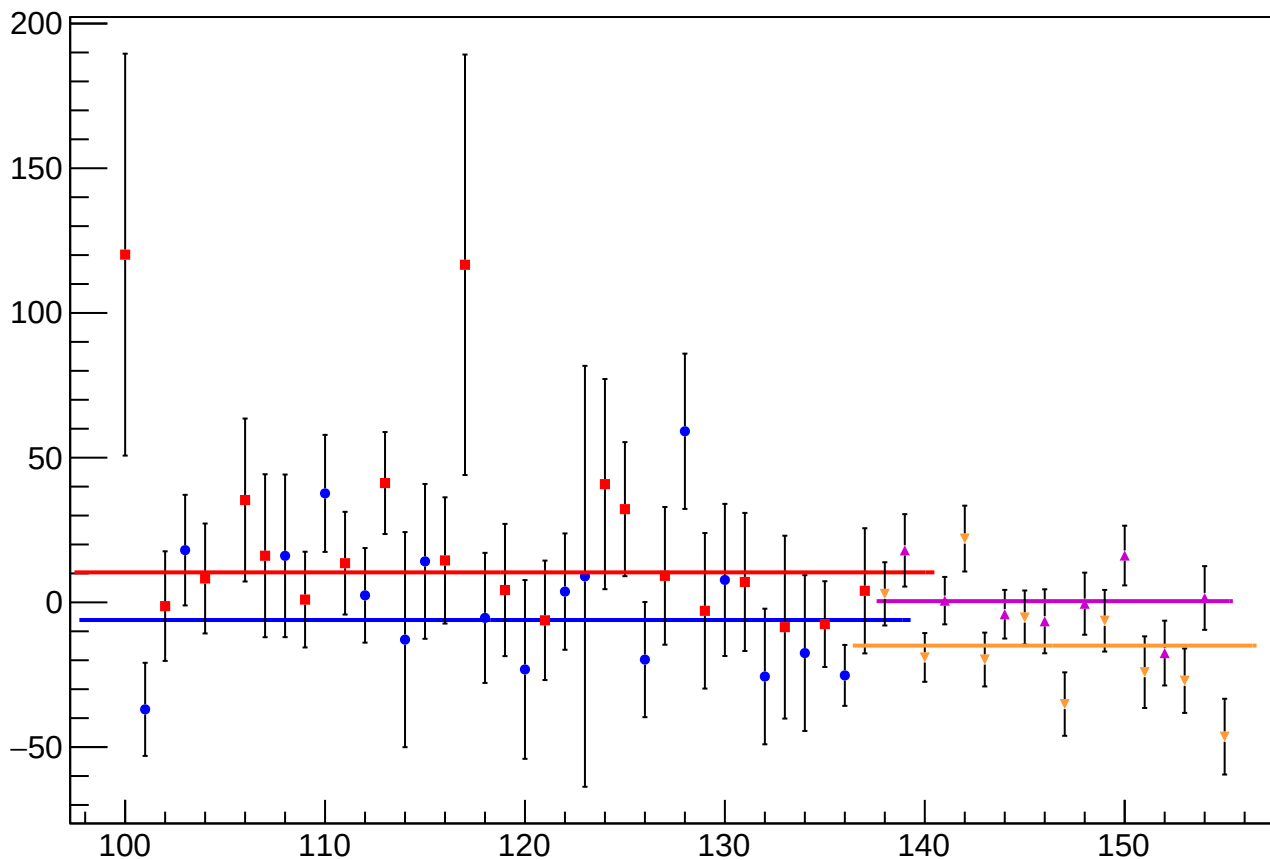
Left In: 7006.238 $\pm$ 1.975 χ^2 /NDF: 399220.1/7

7359.021 $\pm$ 1.422 χ^2 /NDF: 1083310.8/26

7330.979 $\pm$ 1.009 χ^2 /NDF: 2224191.8/54

7302.585 $\pm$ 1.431 χ^2 /NDF: 1140098.5/27

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -6.092 ± 5.034 $\chi^2/\text{NDF}: 22.9/16$

Left Out: -14.938 ± 3.318 $\chi^2/\text{NDF}: 26.4/9$

Right Out: 10.369 ± 4.992 $\chi^2/\text{NDF}: 13.8/19$

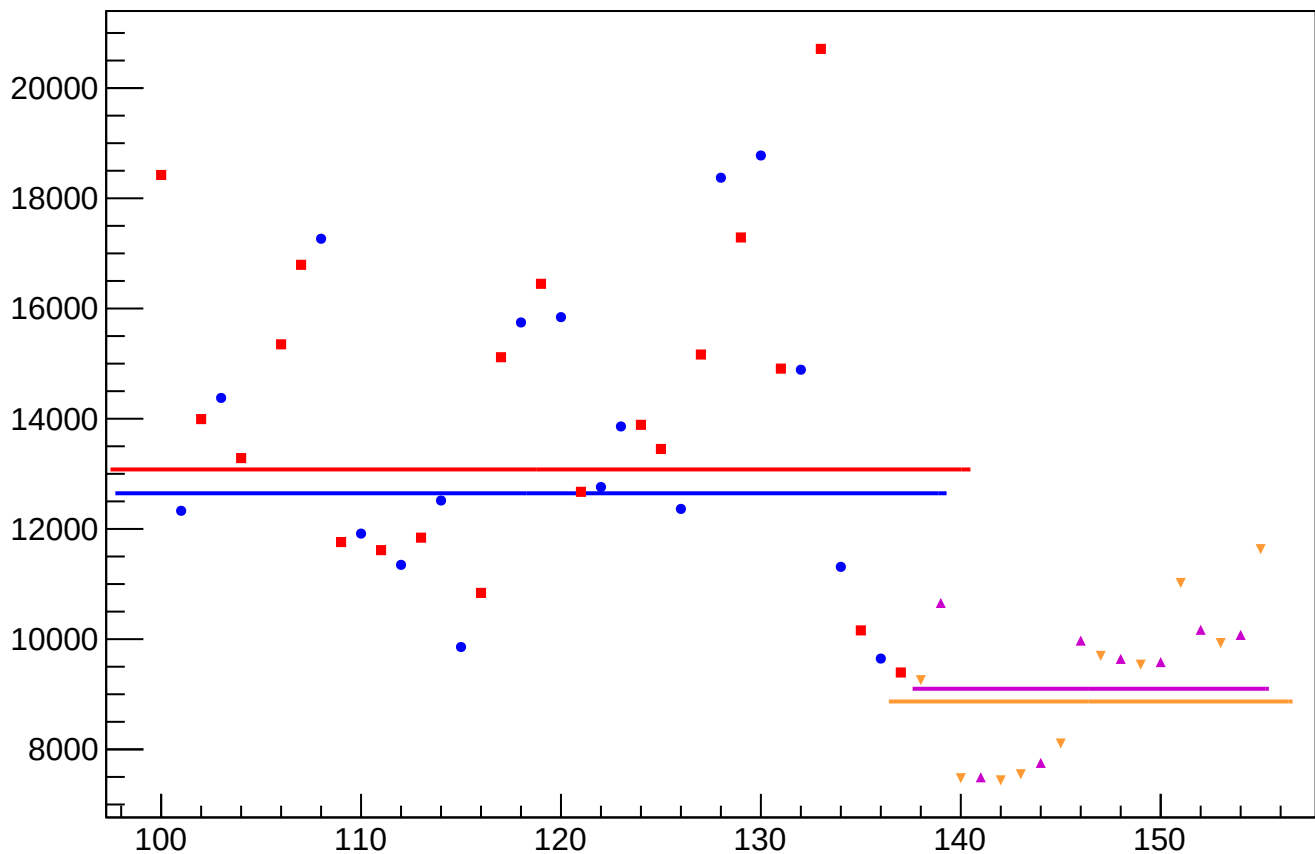
Left In: 0.425 ± 3.582 $\chi^2/\text{NDF}: 7.6/7$

-12.259 ± 2.770 $\chi^2/\text{NDF}: 51.4/26$

-4.622 ± 2.006 $\chi^2/\text{NDF}: 91.4/54$

3.804 ± 2.910 $\chi^2/\text{NDF}: 24.0/27$

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12647.257 $\pm$ 3.559 χ^2/NDF : 554320.4/16

Left Out: 8869.274 $\pm$ 2.346 χ^2/NDF :329619.6/9

Right Out: 13079.592 $\pm$ 3.530 χ^2/NDF : 497851.1/19

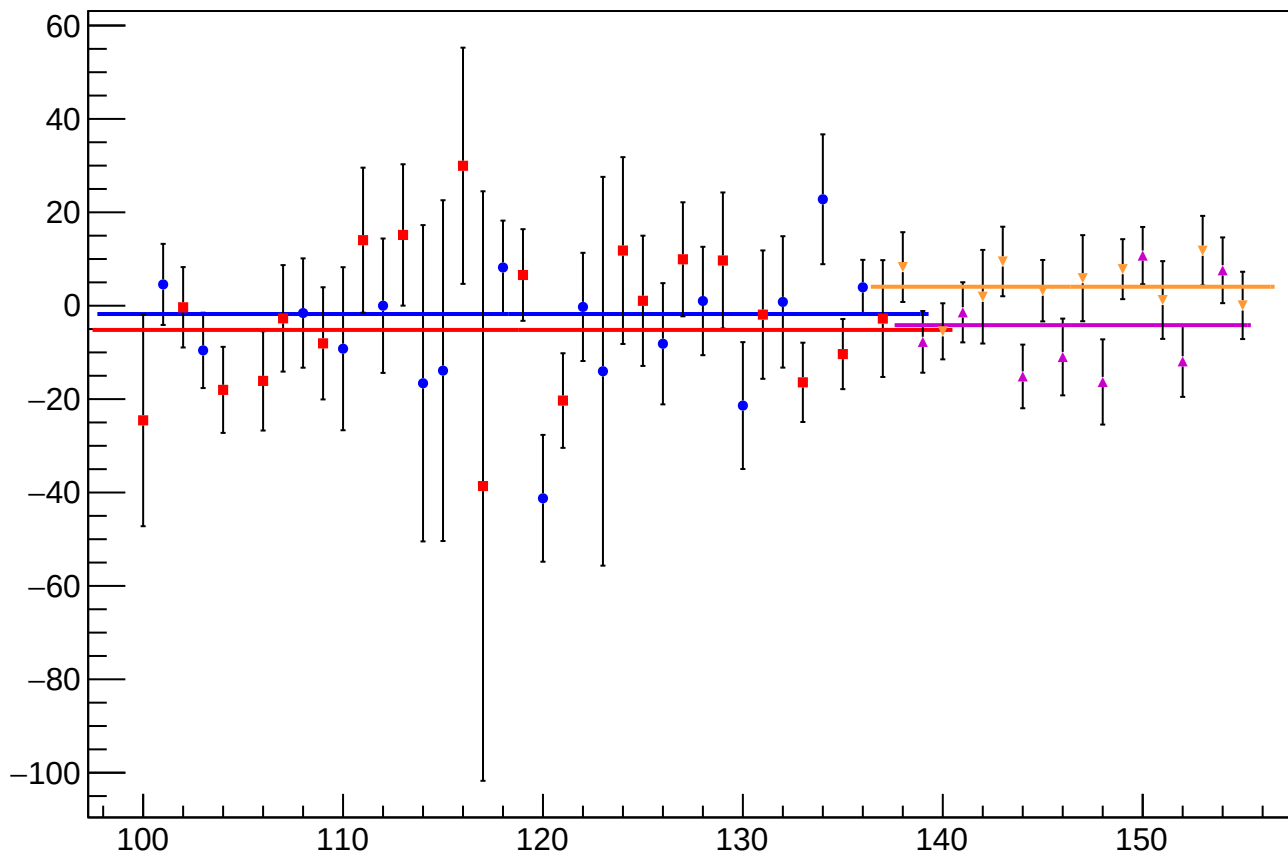
Left In: 9099.860 $\pm$ 2.533 χ^2/NDF :215095.7/7

10013.587 $\pm$ 1.959 χ^2/NDF : 1669316.7/26

10222.190 $\pm$ 1.419 χ^2/NDF : 3245357.3/5

10452.354 $\pm$ 2.058 χ^2/NDF : 1552188.6/27

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -1.777 ± 2.806 $\chi^2/\text{NDF}: 18.0/16$

Left Out: 4.067 ± 2.329 $\chi^2/\text{NDF}: 5.3/9$

Right Out: -5.181 ± 2.640 $\chi^2/\text{NDF}: 19.2/19$

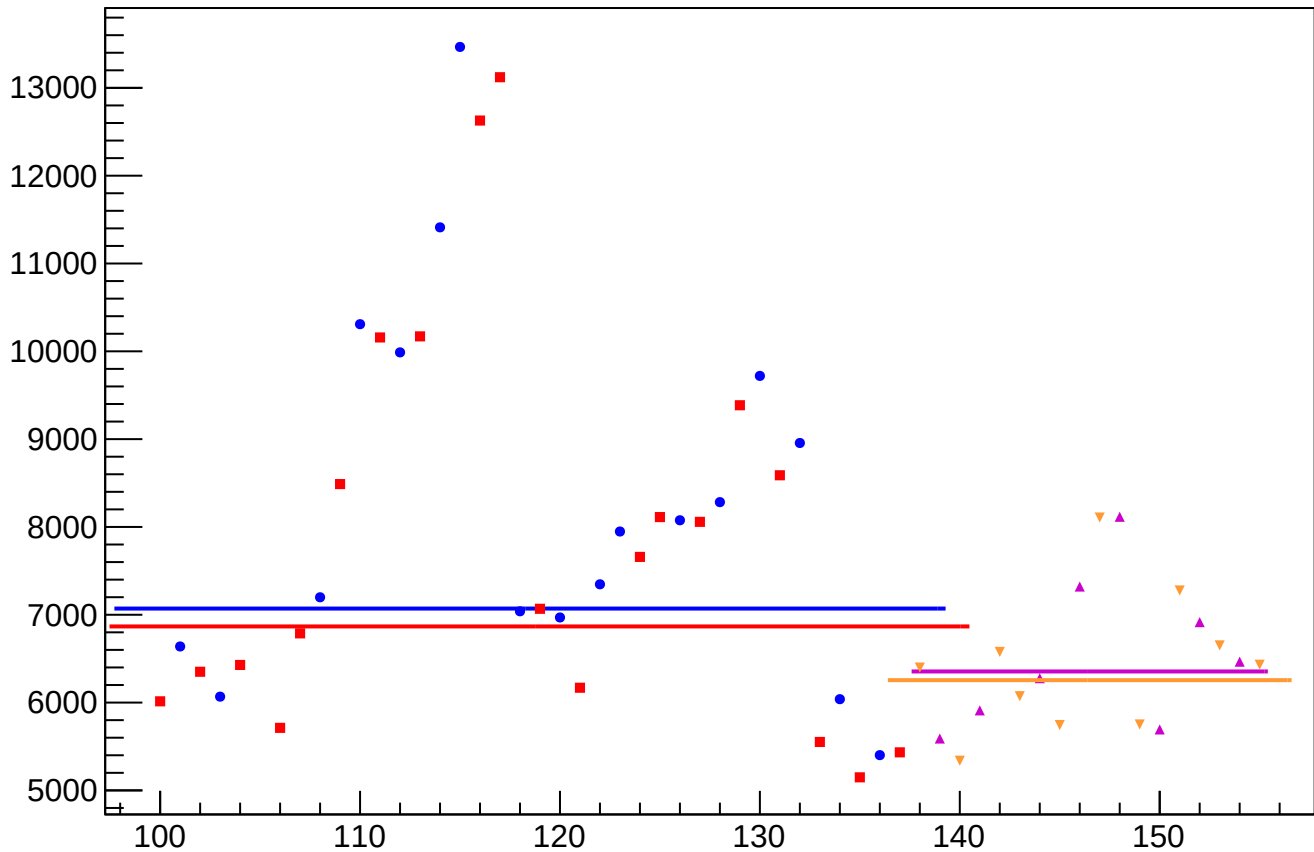
Left In: -4.161 ± 2.504 $\chi^2/\text{NDF}: 15.3/7$

1.684 ± 1.792 $\chi^2/\text{NDF}: 25.9/26$

-1.437 ± 1.276 $\chi^2/\text{NDF}: 66.5/54$

-4.644 ± 1.817 $\chi^2/\text{NDF}: 34.5/27$

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7070.672 ± 1.984 $\chi^2/\text{NDF}: 601692.5/16$

Left Out: 6255.338 ± 1.647 $\chi^2/\text{NDF}: 192775.1/9$

Right Out: 6867.094 ± 1.866 $\chi^2/\text{NDF}: 701892.5/19$

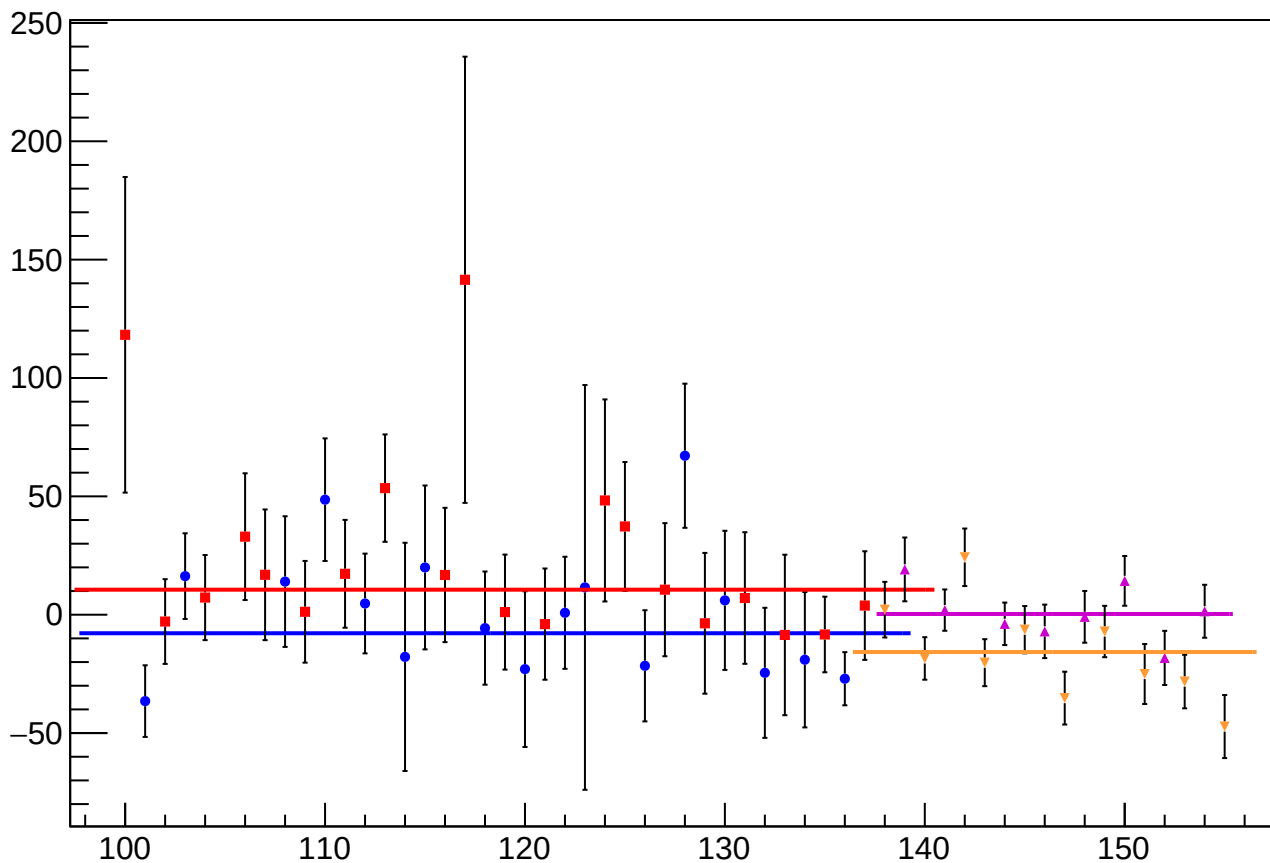
Left In: 6354.395 ± 1.771 $\chi^2/\text{NDF}: 173291.3/7$

6587.833 ± 1.267 $\chi^2/\text{NDF}: 894466.2/26$

6592.470 ± 0.902 $\chi^2/\text{NDF}: 1809392.9/54$

6597.235 ± 1.285 $\chi^2/\text{NDF}: 914899.6/27$

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -7.825 ± 5.516 χ^2/NDF : 22.3/16

Left Out: -15.761 ± 3.475 χ^2/NDF : 25.4/9

Right Out: 10.574 ± 5.561 χ^2/NDF : 14.1/19

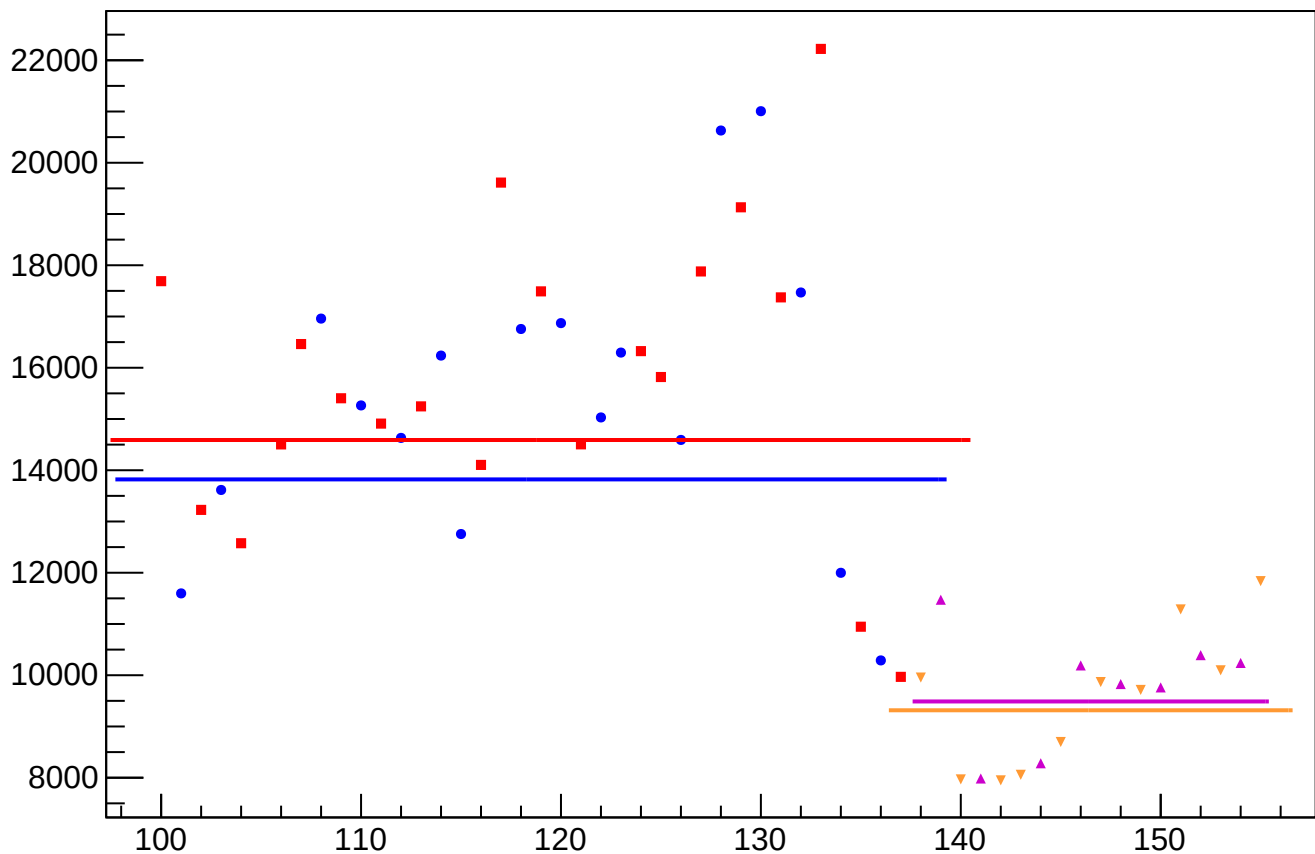
Left In: 0.310 ± 3.728 χ^2/NDF : 7.1/7

-13.506 ± 2.940 χ^2/NDF : 49.1/26

-5.448 ± 2.132 χ^2/NDF : 88.5/54

3.492 ± 3.097 χ^2/NDF : 23.5/27

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13821.195 $\pm$ 3.900 χ^2 /NDF: 602672.4/16

Left Out: 9315.986 $\pm$ 2.457 χ^2 /NDF: 253163.0/9

Right Out: 14589.989 $\pm$ 3.933 χ^2 /NDF: 478169.1/19

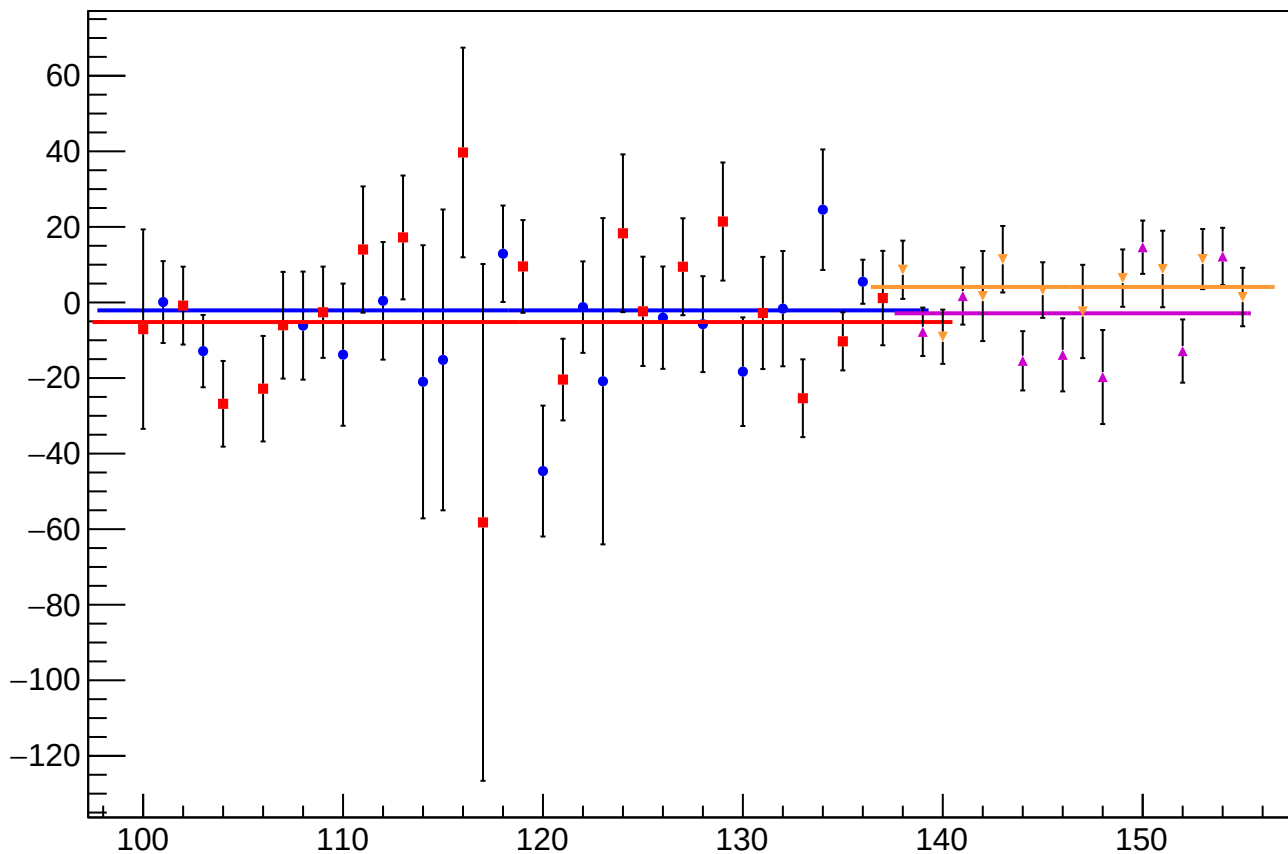
Left In: 9488.168 $\pm$ 2.636 χ^2 /NDF: 171397.4/7

10596.100 $\pm$ 2.079 χ^2 /NDF: 1810998.2/26

10820.765 $\pm$ 1.508 χ^2 /NDF: 3646431.0/5

11069.996 $\pm$ 2.190 χ^2 /NDF: 1810800.4/27

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -2.098 $\pm$ 3.106 χ^2/NDF : 15.6/16

Left Out: 4.105 $\pm$ 2.665 χ^2/NDF : 6.0/9

Right Out: -5.184 $\pm$ 2.959 χ^2/NDF : 25.4/19

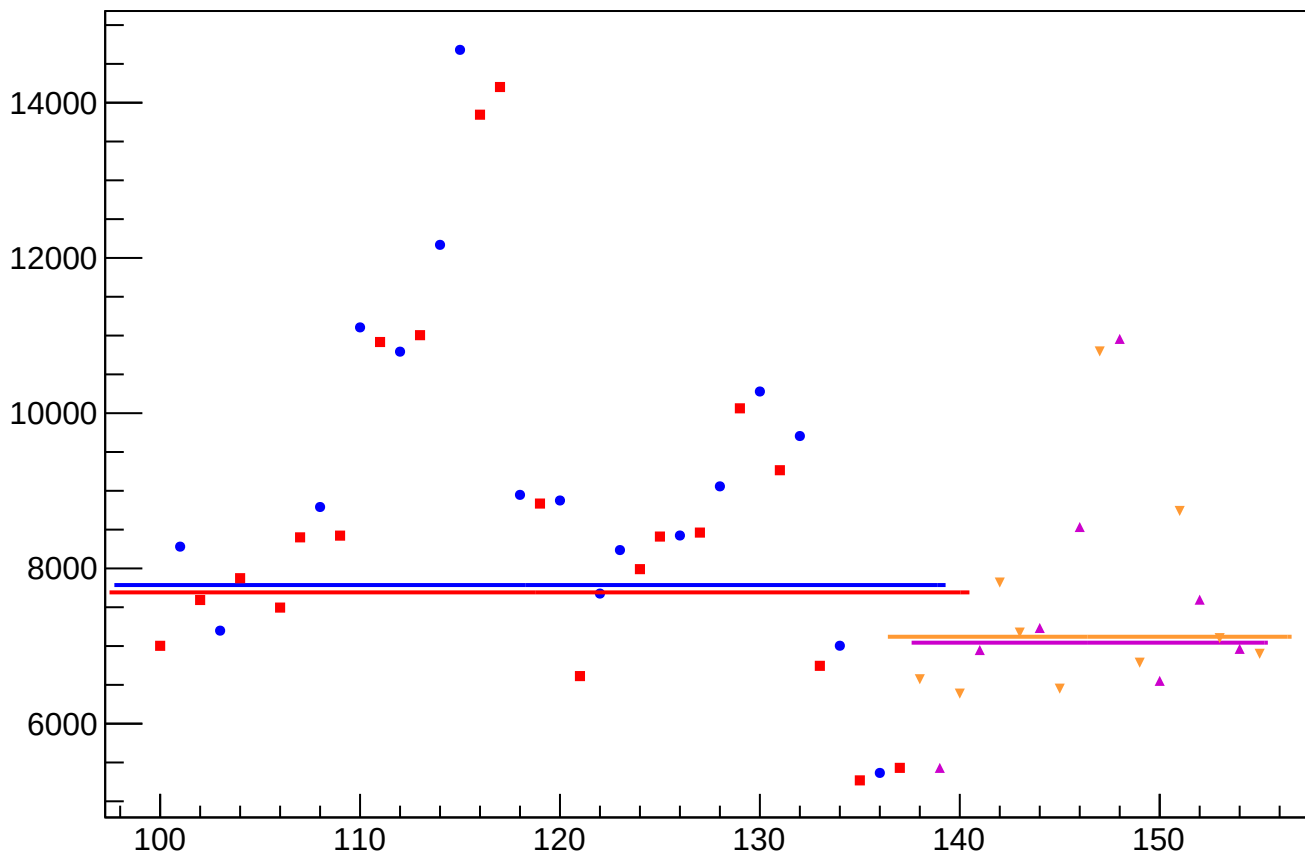
Left In: -2.869 $\pm$ 2.806 χ^2/NDF : 18.2/7

1.476 $\pm$ 2.023 χ^2/NDF : 24.0/26

-1.226 $\pm$ 1.435 χ^2/NDF : 71.4/54

-3.965 $\pm$ 2.036 χ^2/NDF : 43.8/27

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7785.931 $\pm$ 2.197 χ^2 /NDF: 738101.9/16

Left Out: 7119.875 $\pm$ 1.884 χ^2 /NDF: 288344.5/9

Right Out: 7691.398 $\pm$ 2.093 χ^2 /NDF: 686898.9/19

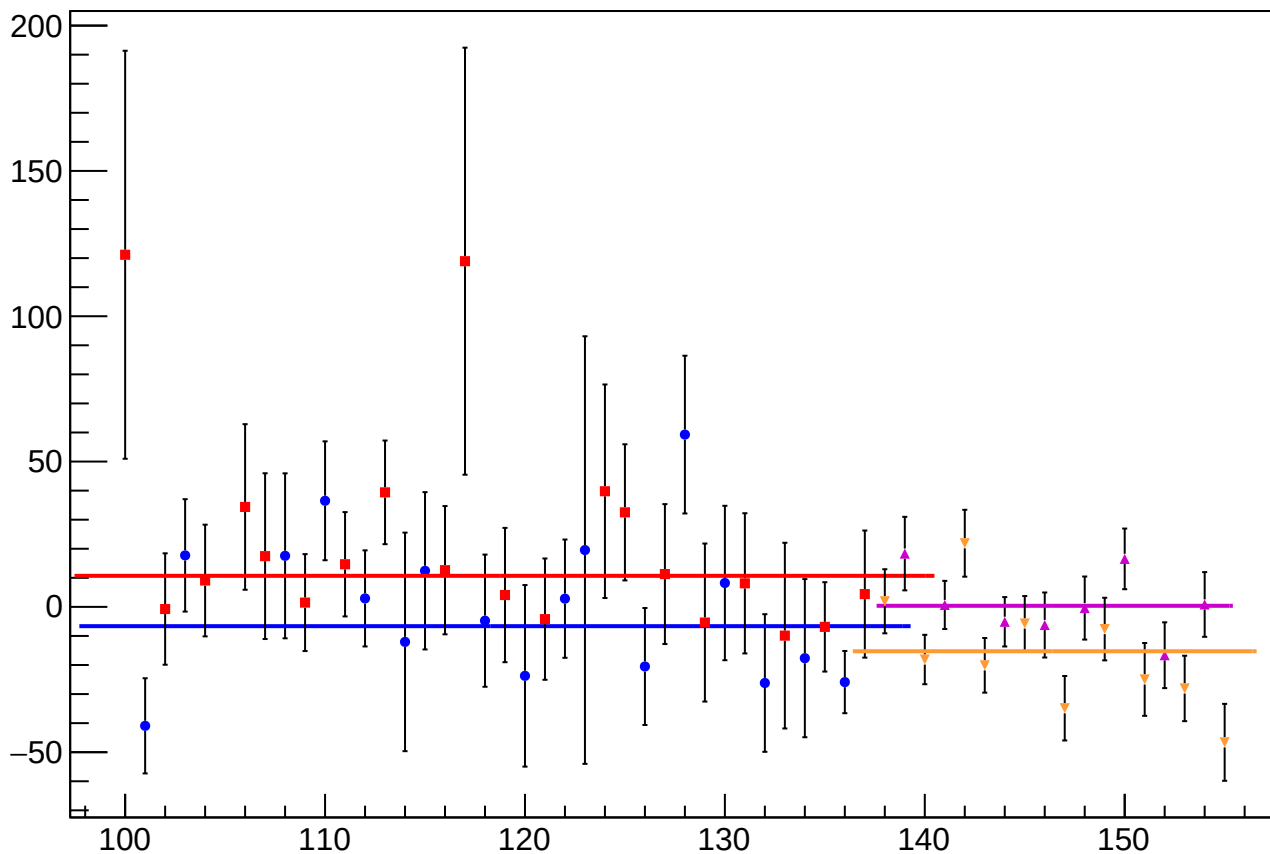
Left In: 7043.463 $\pm$ 1.984 χ^2 /NDF: 392461.8/7

7402.234 $\pm$ 1.430 χ^2 /NDF: 1079412.0/26

7376.407 $\pm$ 1.015 χ^2 /NDF: 2209908.7/54

7350.230 $\pm$ 1.440 χ^2 /NDF: 1129840.1/27

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -6.634 ± 5.101 $\chi^2/\text{NDF}: 23.4/16$

Left Out: -15.268 ± 3.354 $\chi^2/\text{NDF}: 25.4/9$

Right Out: 10.688 ± 5.063 $\chi^2/\text{NDF}: 13.0/19$

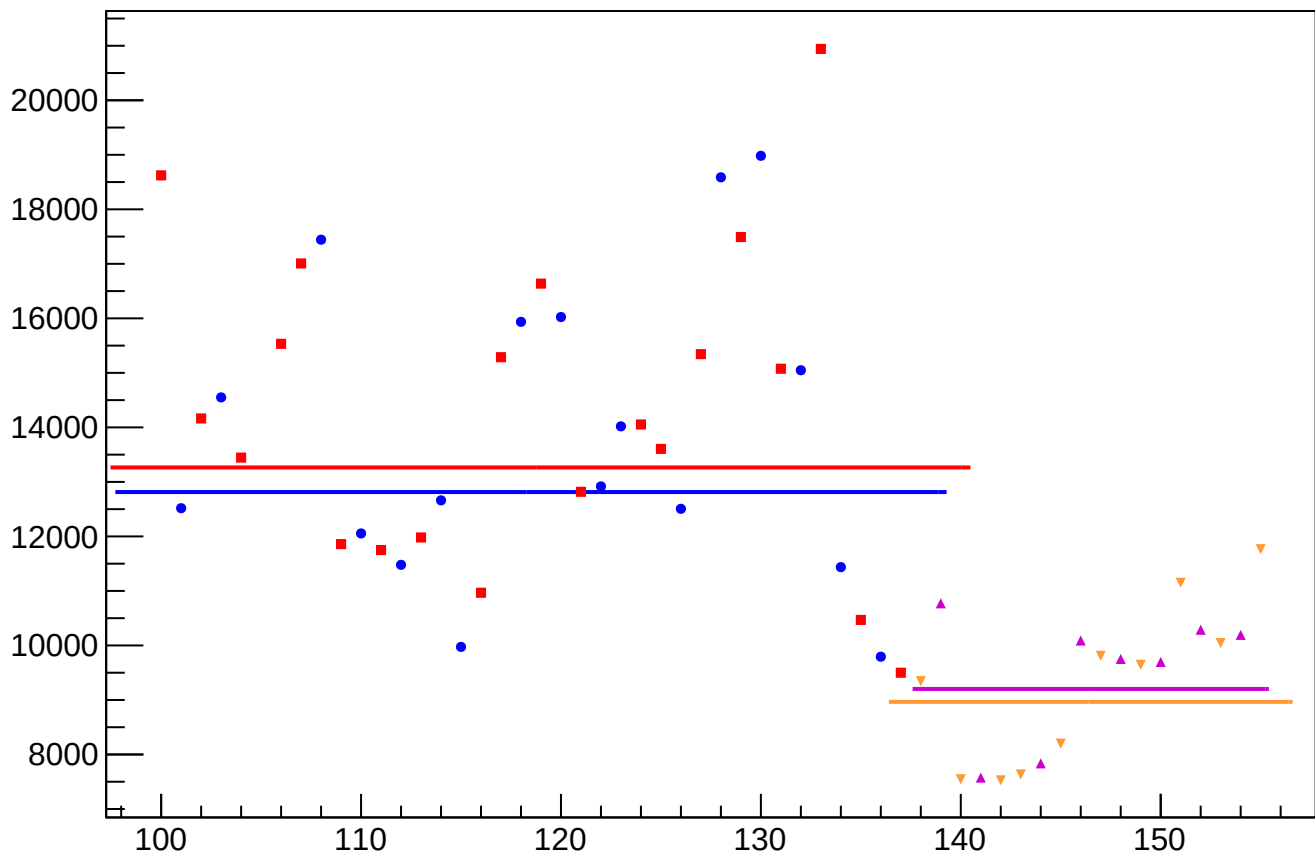
Left In: 0.374 ± 3.622 $\chi^2/\text{NDF}: 7.4/7$

-12.662 ± 2.803 $\chi^2/\text{NDF}: 50.8/26$

-4.809 ± 2.030 $\chi^2/\text{NDF}: 90.5/54$

3.866 ± 2.946 $\chi^2/\text{NDF}: 23.2/27$

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12813.726+/-3.607 χ^2/NDF : 548127.6/16

Left Out: 8965.719+/-2.372 χ^2/NDF : 331173.0/9

Right Out: 13265.185+/-3.580 χ^2/NDF : 485810.1/19

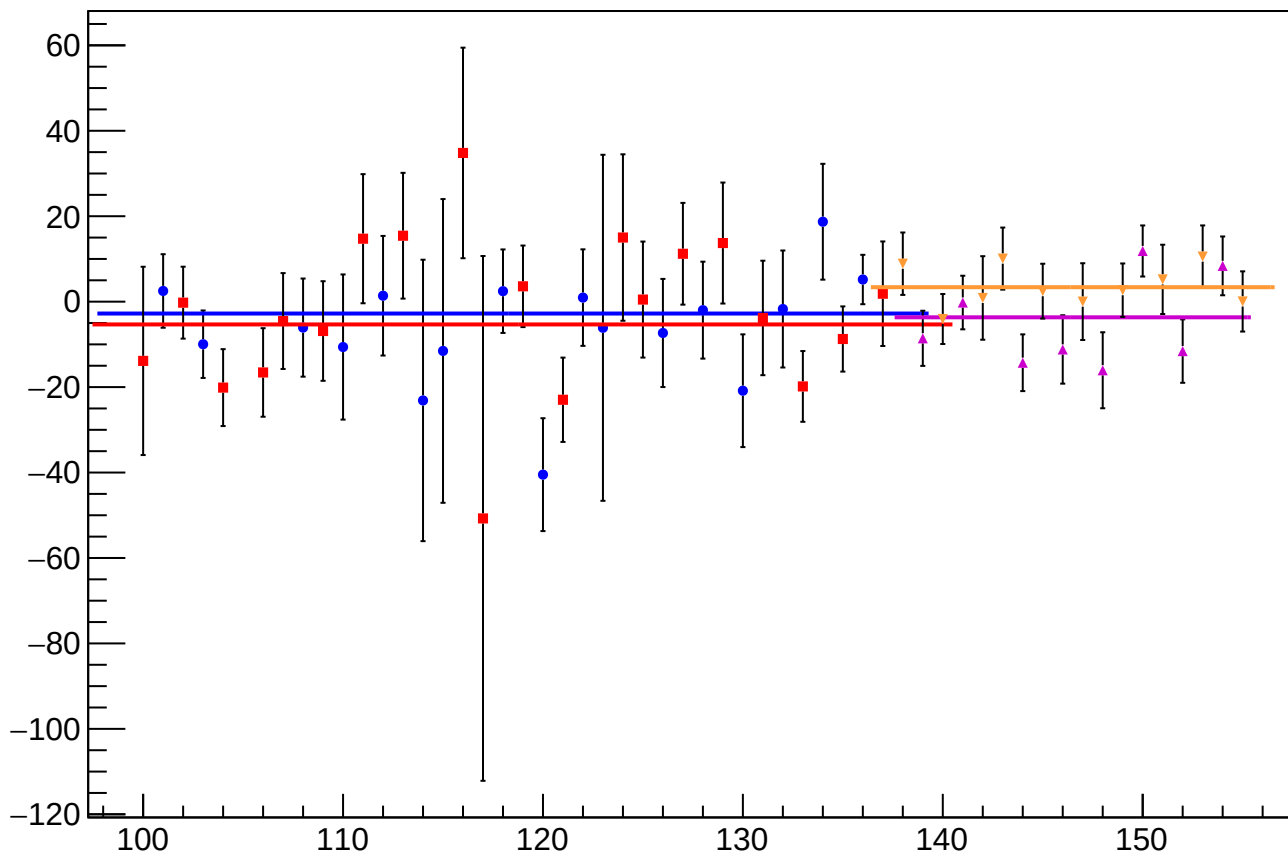
Left In: 9202.148+/-2.561 χ^2/NDF : 216075.5/7

10127.225+/-1.982 χ^2/NDF : 1673785.9/26

10341.237+/-1.436 χ^2/NDF : 3252271.2/5

10577.644+/-2.083 χ^2/NDF : 1553942.1/27

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -2.778 ± 2.747 χ^2/NDF : 17.0/16

Left Out: 3.381 ± 2.272 χ^2/NDF : 4.5/9

Right Out: -5.332 ± 2.587 χ^2/NDF : 24.1/19

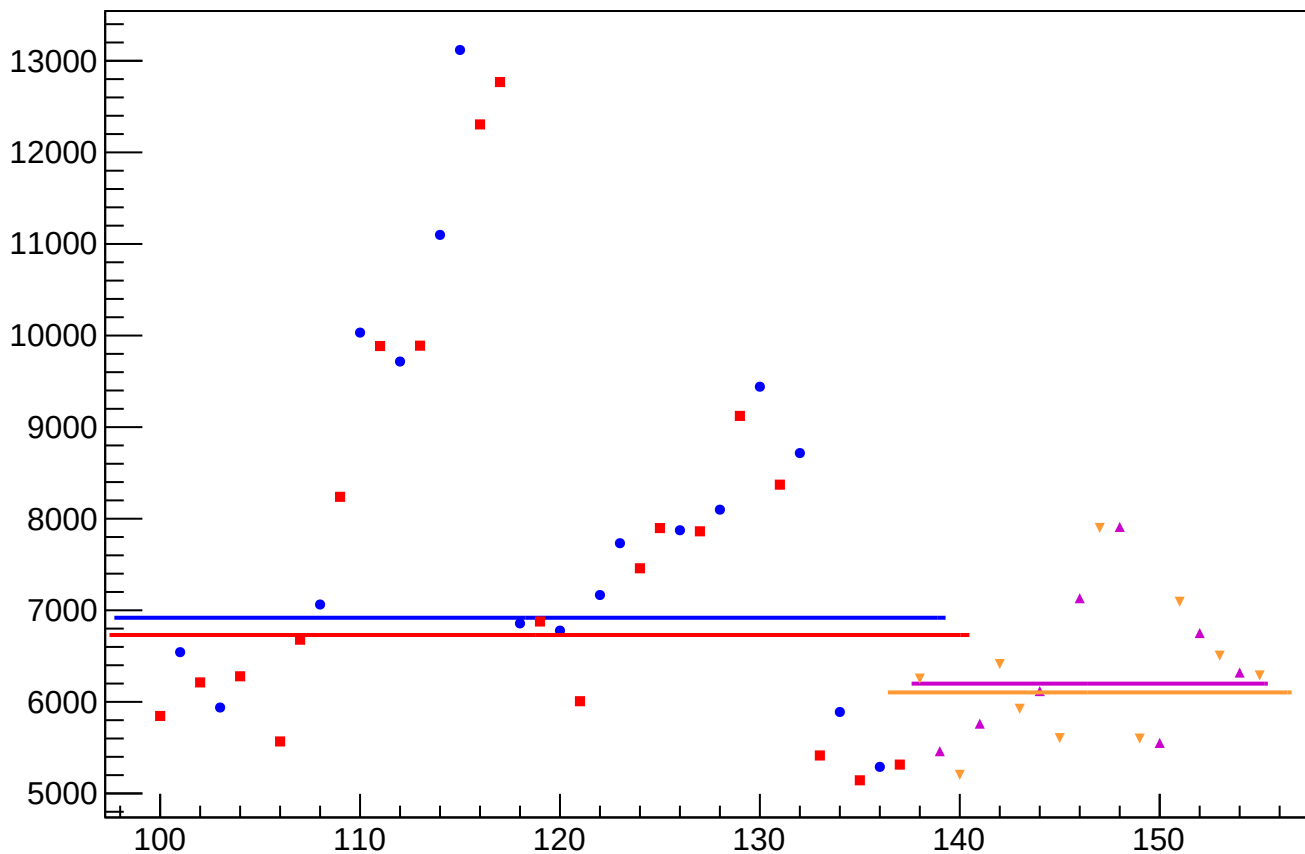
Left In: -3.663 ± 2.443 χ^2/NDF : 17.2/7

0.879 ± 1.751 χ^2/NDF : 24.5/26

-1.747 ± 1.247 χ^2/NDF : 70.6/54

-4.450 ± 1.776 χ^2/NDF : 41.5/27

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6918.554 ± 1.943 χ^2/NDF : 587976.6/16

Left Out: 6103.122 ± 1.606 χ^2/NDF : 193618.5/9

Right Out: 6730.137 ± 1.830 χ^2/NDF : 673193.1/19

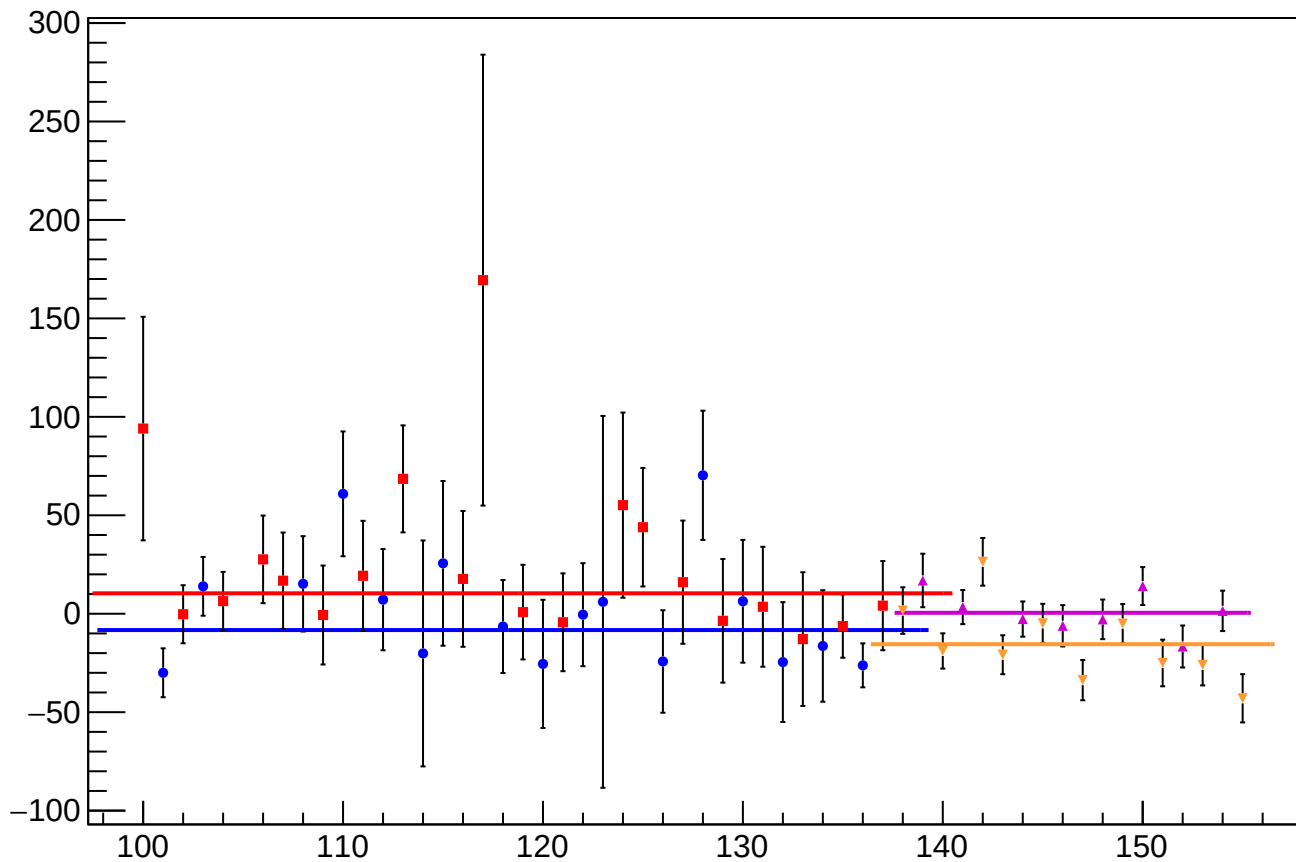
Left In: 6199.083 ± 1.727 χ^2/NDF : 172430.6/7

6434.316 ± 1.238 χ^2/NDF : 886239.8/26

6441.725 ± 0.882 χ^2/NDF : 1776485.6/54

6449.351 ± 1.256 χ^2/NDF : 890173.1/27

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.286 $\pm$ 5.410 χ^2/NDF : 21.7/16

Left Out: -15.470 $\pm$ 3.342 χ^2/NDF : 26.6/9

Right Out: 10.376 $\pm$ 5.507 χ^2/NDF : 14.8/19

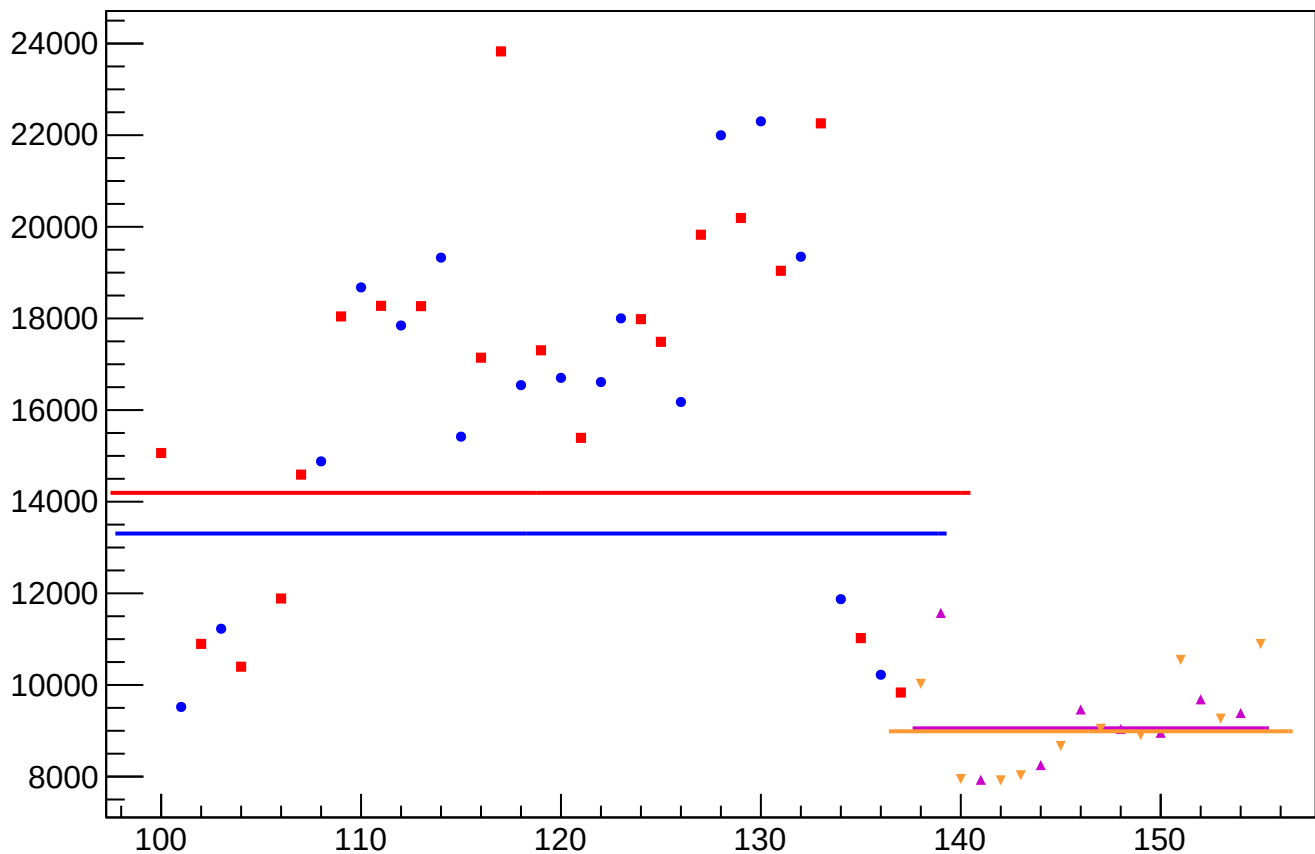
Left In: 0.478 $\pm$ 3.553 χ^2/NDF : 6.8/7

-13.486 $\pm$ 2.843 χ^2/NDF : 49.6/26

-5.460 $\pm$ 2.059 χ^2/NDF : 90.2/54

3.387 $\pm$ 2.985 χ^2/NDF : 23.9/27

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13305.410+/-3.826 χ^2/NDF : 1044091.1/16

Left Out: 8989.208+/-2.363 χ^2/NDF : 163619.1/9

Right Out: 14193.006+/-3.894 χ^2/NDF : 944809.1/19

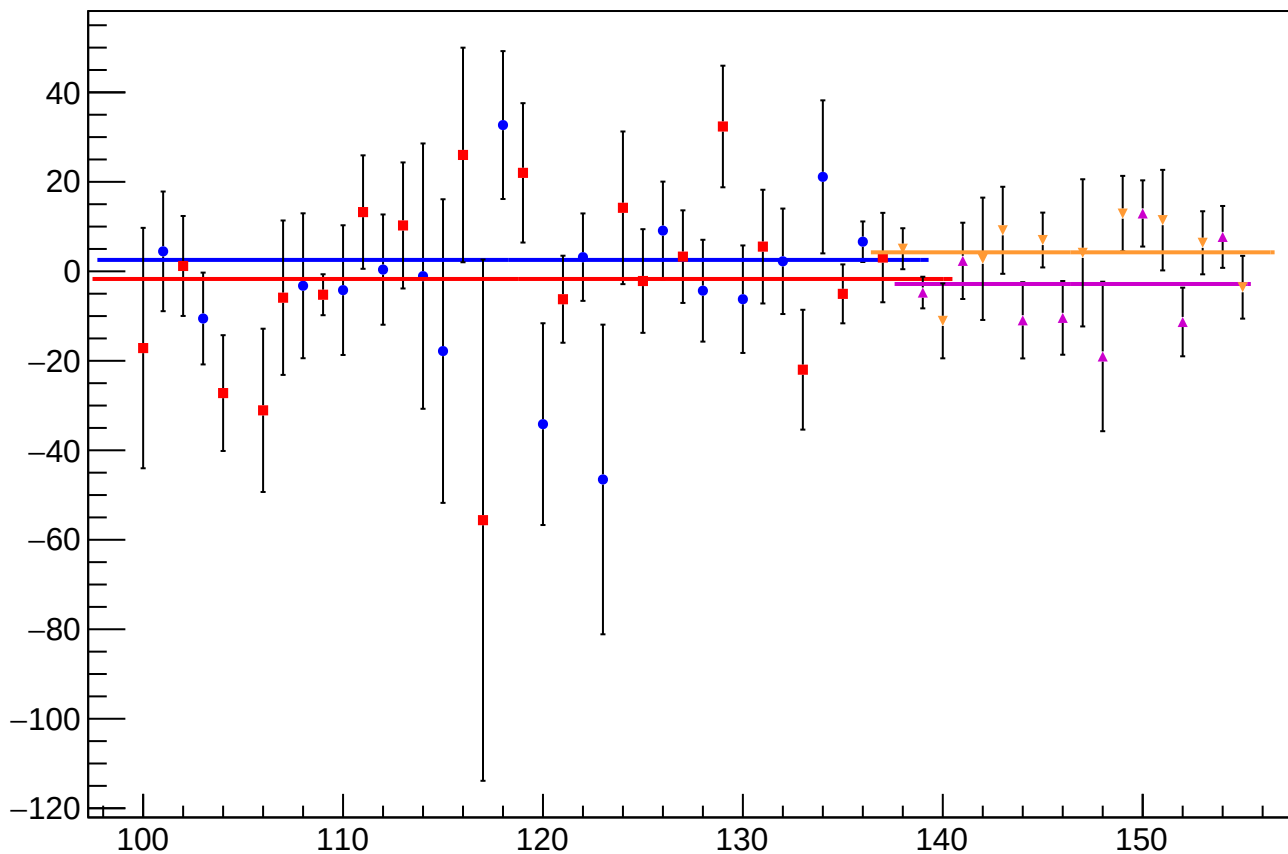
Left In: 9053.404+/-2.512 χ^2/NDF : 130870.8/7

10181.344+/-2.011 χ^2/NDF : 2129082.8/26

10363.282+/-1.456 χ^2/NDF : 4452196.1/5

10563.839+/-2.111 χ^2/NDF : 2305897.1/27

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.551 $\pm$ 2.757 χ^2/NDF : 13.6/16

Left Out: 4.248 $\pm$ 2.421 χ^2/NDF : 6.6/9

Right Out: -1.708 $\pm$ 2.440 χ^2/NDF : 24.9/19

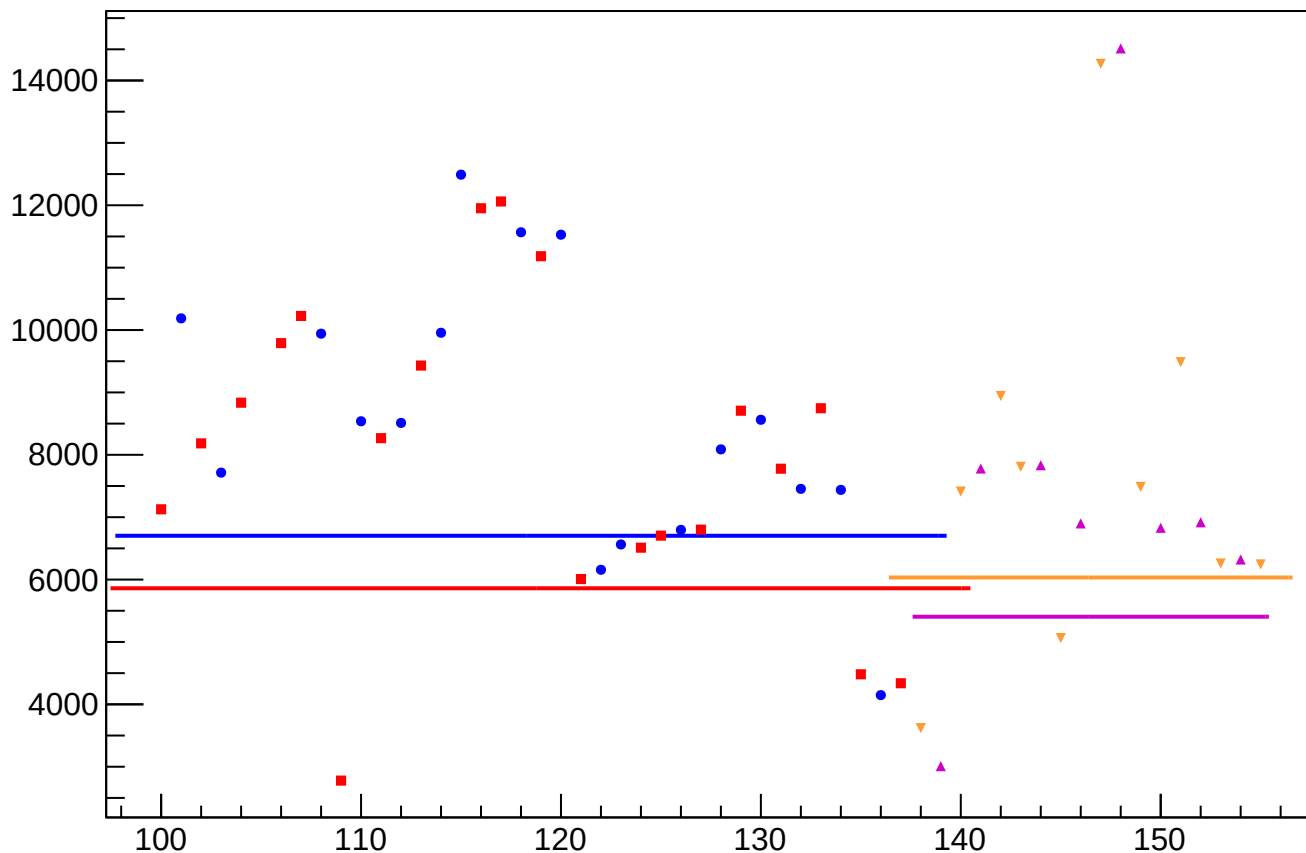
Left In: -2.830 $\pm$ 2.343 χ^2/NDF : 11.4/7

3.509 $\pm$ 1.819 χ^2/NDF : 20.5/26

0.396 $\pm$ 1.238 χ^2/NDF : 62.3/54

-2.292 $\pm$ 1.690 χ^2/NDF : 36.4/27

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6702.245+/-1.949 χ^2/NDF : 1389956.8/16

Left Out: 6033.411+/-1.712 χ^2/NDF : 1570393.9/9

Right Out: 5860.505+/-1.725 χ^2/NDF : 2301163.3/19

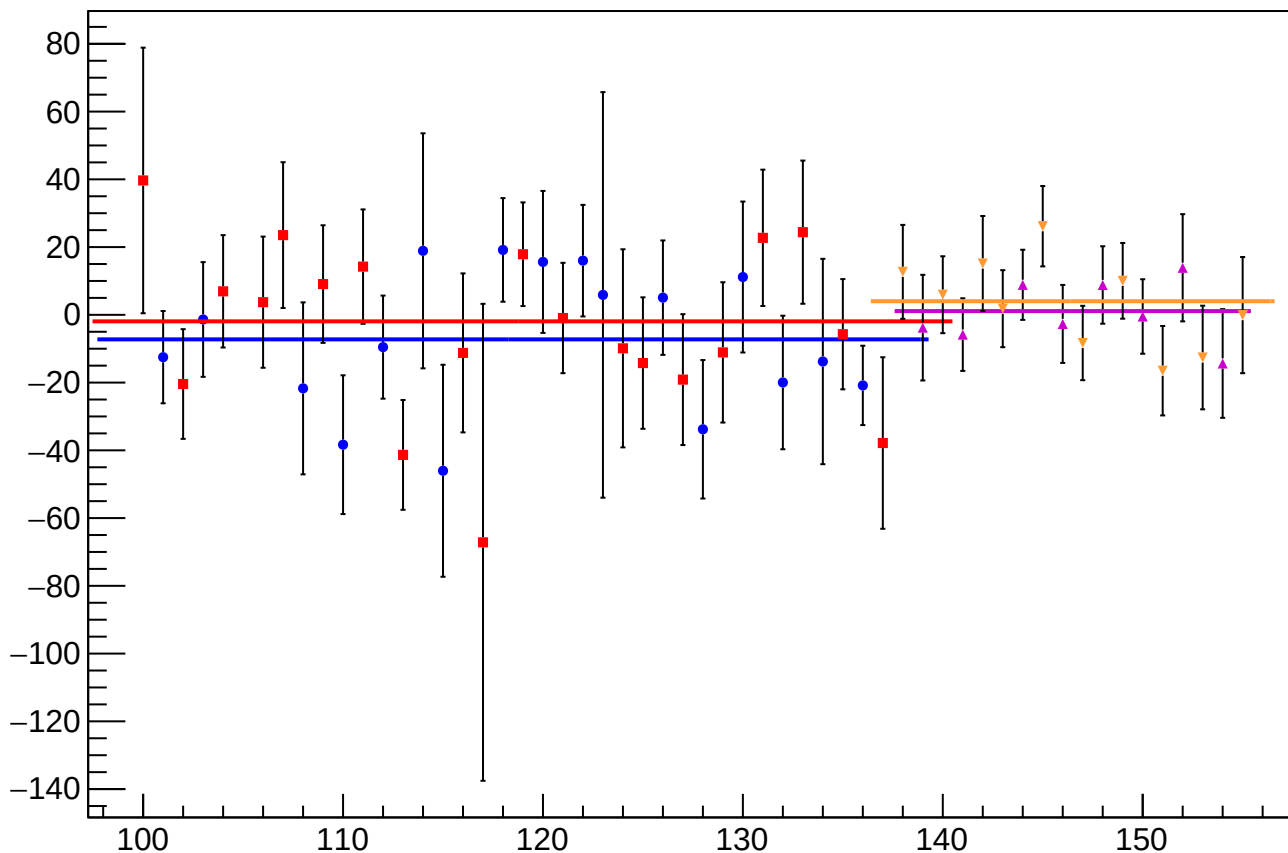
Left In: 5404.745+/-1.657 χ^2/NDF : 2084581.8/7

6324.644+/-1.286 χ^2/NDF : 3026812.6/26

5948.310+/-0.876 χ^2/NDF : 7608340.8/54

5623.418+/-1.195 χ^2/NDF : 4422039.1/27

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -7.245 $\pm$ 4.547 χ^2/NDF : 15.9/16

Left Out: 4.019 $\pm$ 3.997 χ^2/NDF : 9.8/9

Right Out: -1.922 $\pm$ 4.365 χ^2/NDF : 20.7/19

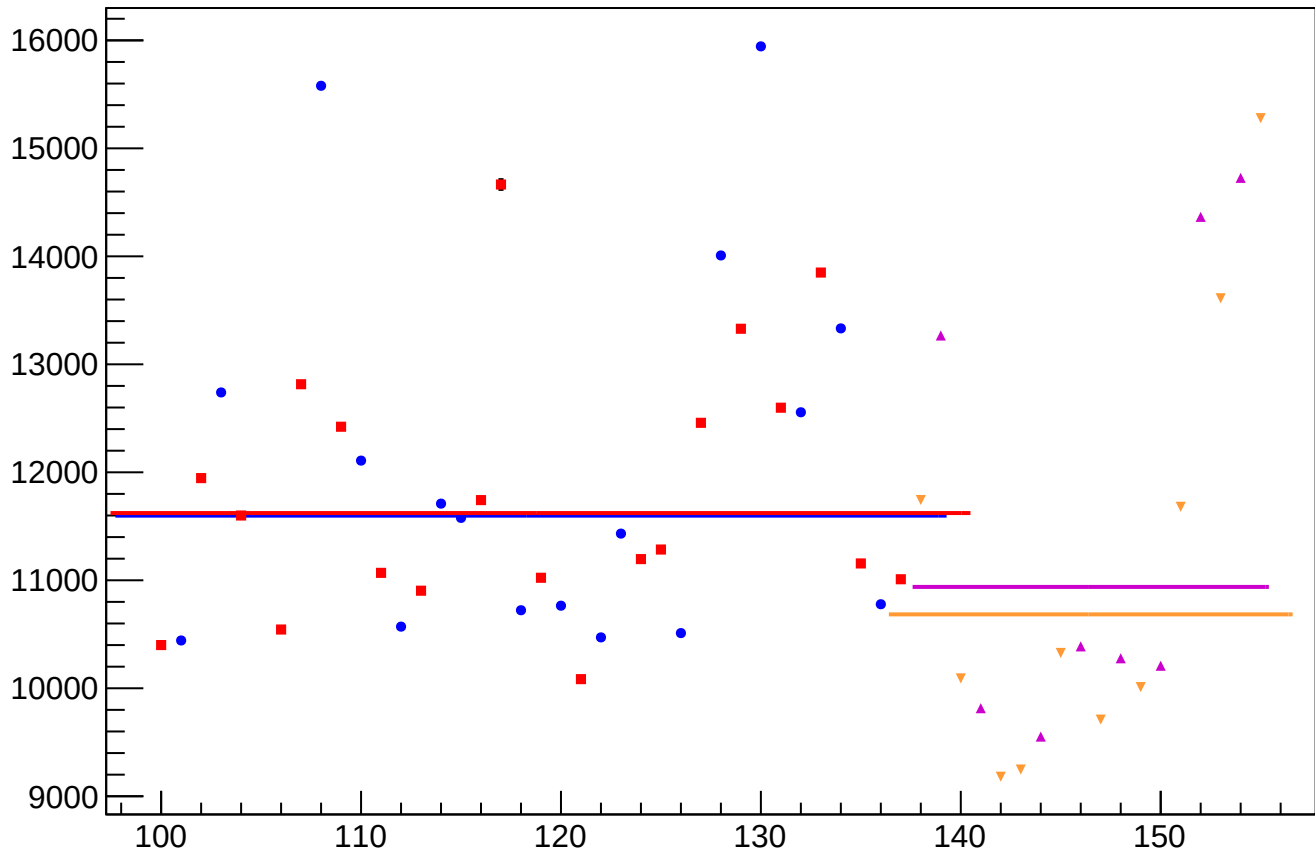
Left In: 1.108 $\pm$ 4.323 χ^2/NDF : 3.2/7

-0.891 $\pm$ 3.002 χ^2/NDF : 29.2/26

-0.648 $\pm$ 2.147 χ^2/NDF : 53.4/54

-0.393 $\pm$ 3.071 χ^2/NDF : 24.2/27

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11598.751 $\pm$ 3.215 χ^2/NDF : 235423.8/16

Left Out: 10684.274 $\pm$ 2.826 χ^2/NDF : 325100.3/9

Right Out: 11622.681 $\pm$ 3.086 χ^2/NDF : 98197.0/19

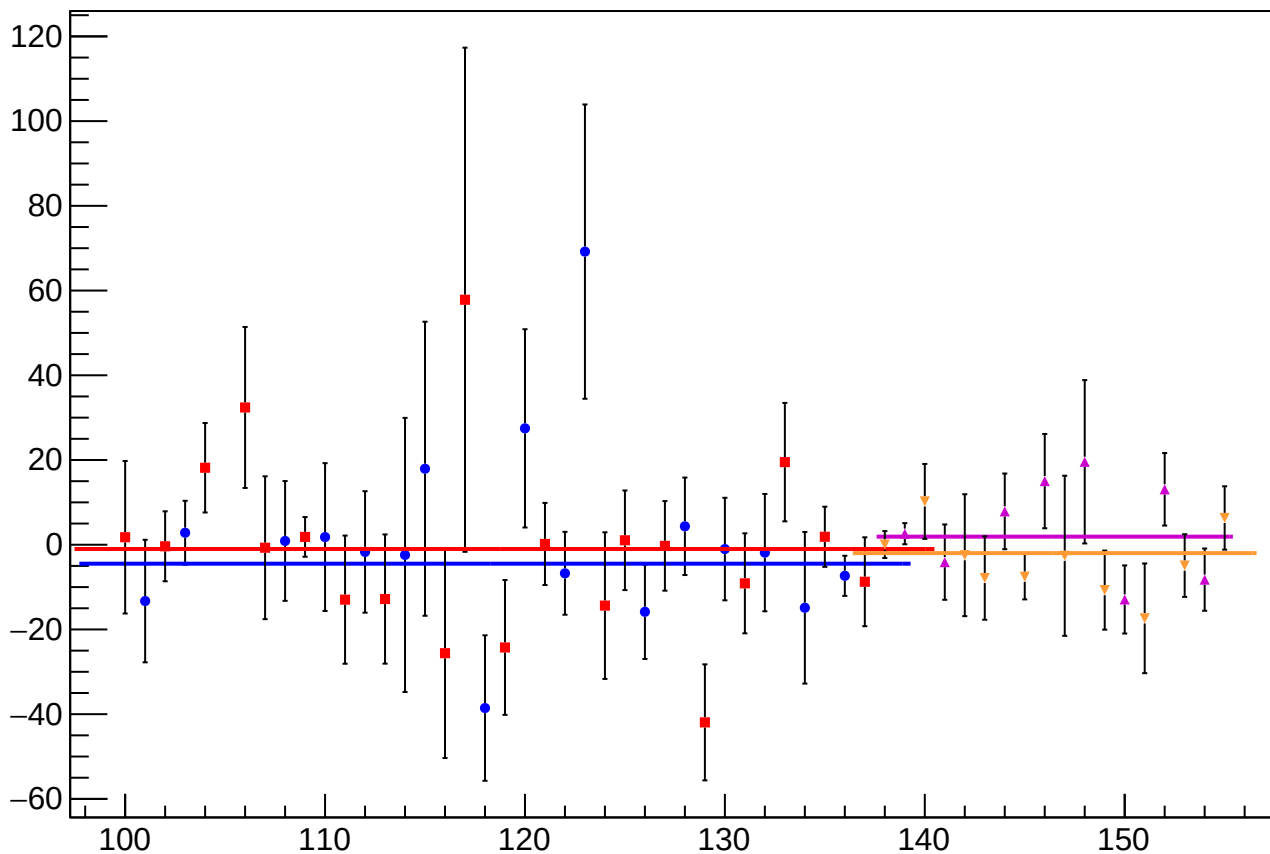
Left In: 10938.631 $\pm$ 3.057 χ^2/NDF : 327708.5/7

11082.892 $\pm$ 2.123 χ^2/NDF : 606159.1/26

11177.915 $\pm$ 1.518 χ^2/NDF : 1060964.2/5

11277.387 $\pm$ 2.172 χ^2/NDF : 450703.5/27

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -4.476 $\pm$ 2.782 χ^2/NDF : 14.8/16

Left Out: -1.980 $\pm$ 2.141 χ^2/NDF : 7.4/9

Right Out: -1.007 $\pm$ 2.427 χ^2/NDF : 25.0/19

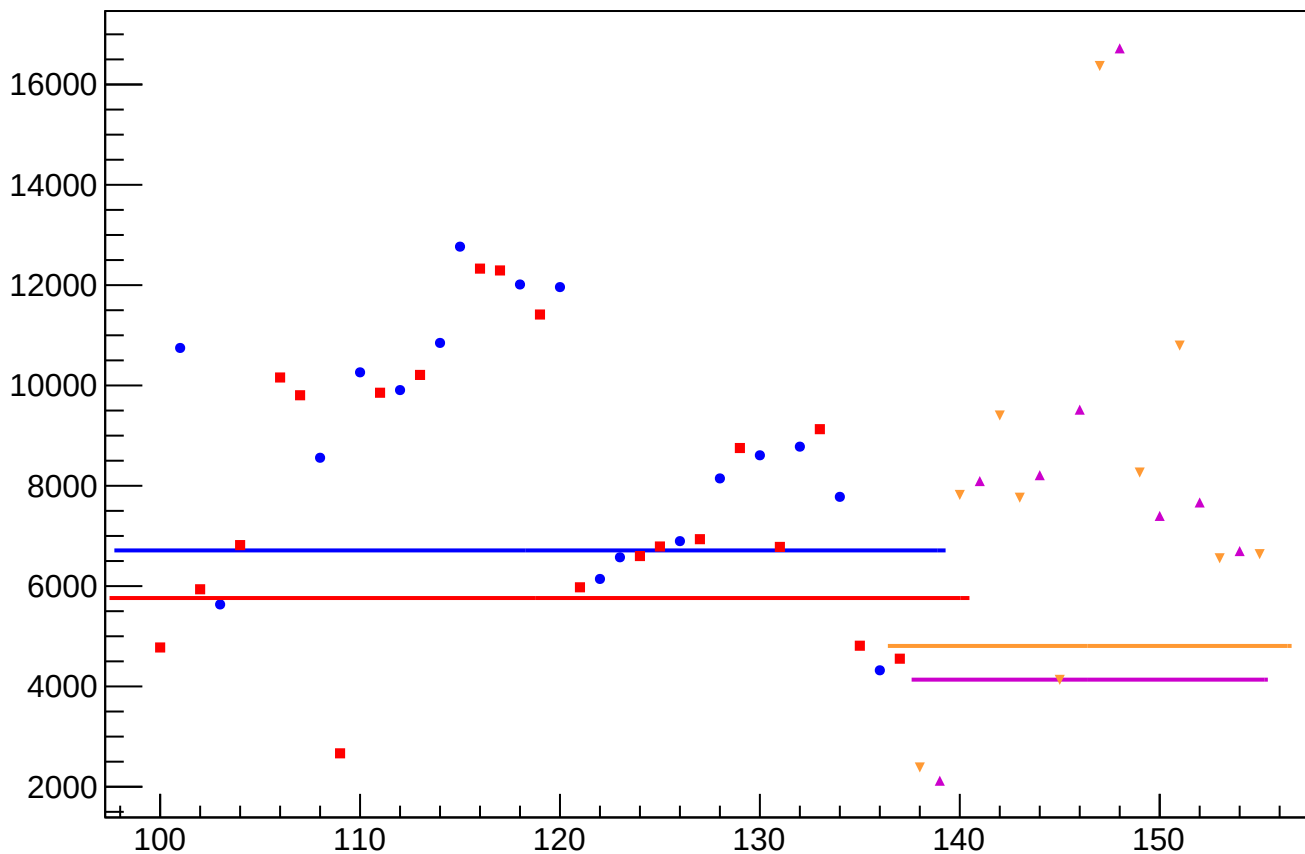
Left In: 1.907 $\pm$ 2.021 χ^2/NDF : 10.2/7

-2.908 $\pm$ 1.696 χ^2/NDF : 22.8/26

-0.938 $\pm$ 1.146 χ^2/NDF : 61.4/54

0.713 $\pm$ 1.553 χ^2/NDF : 36.1/27

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6711.550 +/- 1.967 χ^2/NDF : 1446972.0/16

Left Out: 4807.286 +/- 1.514 χ^2/NDF : 3491624.4/9

Right Out: 5762.387 +/- 1.716 χ^2/NDF : 2189239.7/19

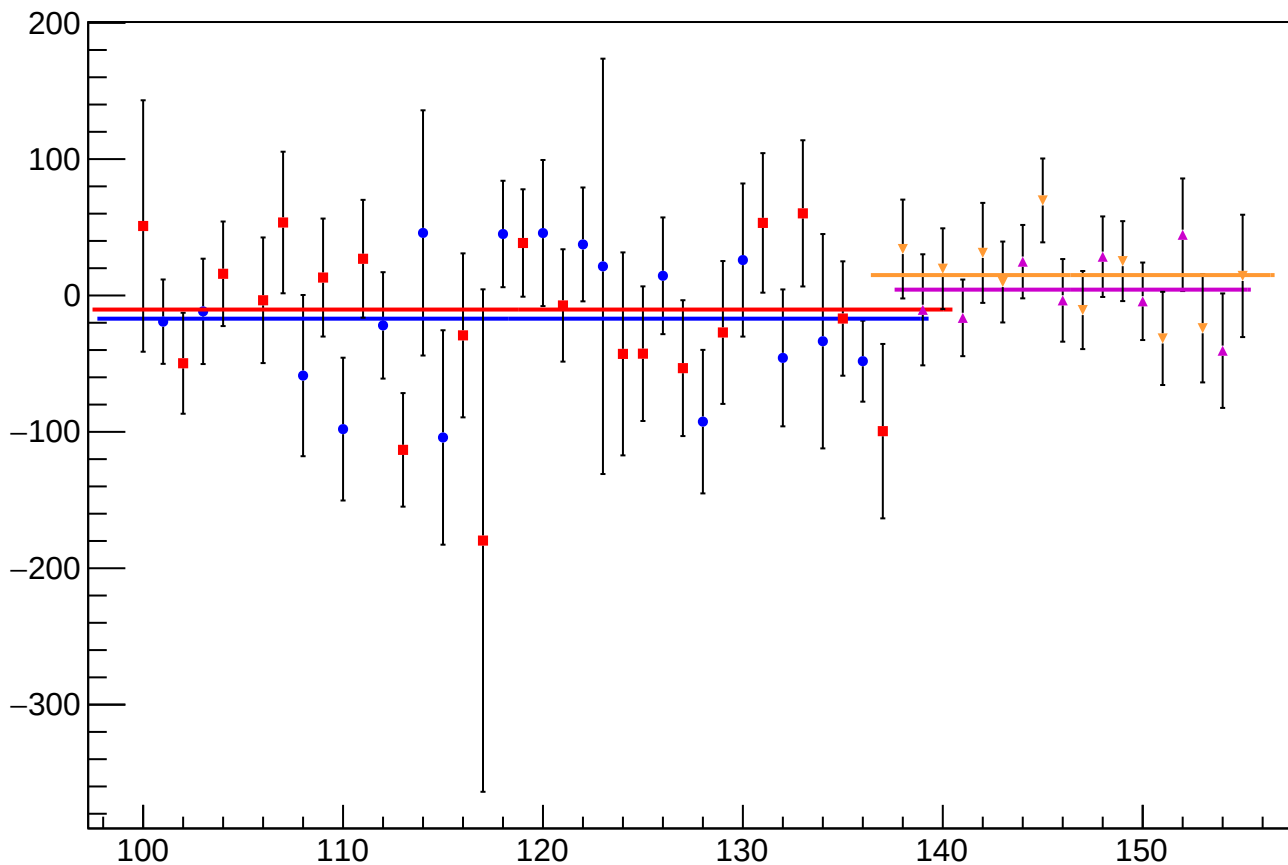
Left In: 4135.312 +/- 1.429 χ^2/NDF : 4354905.4/7

5515.549 +/- 1.200 χ^2/NDF : 5527264.6/26

5127.213 +/- 0.810 χ^2/NDF : 12794813.7/5

4801.704 +/- 1.098 χ^2/NDF : 7074905.0/27

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -17.010 ± 11.287 χ^2/NDF : 15.0/16

Left Out: 14.960 ± 10.419 χ^2/NDF : 7.4/9

Right Out: -10.311 ± 10.872 χ^2/NDF : 19.9/19

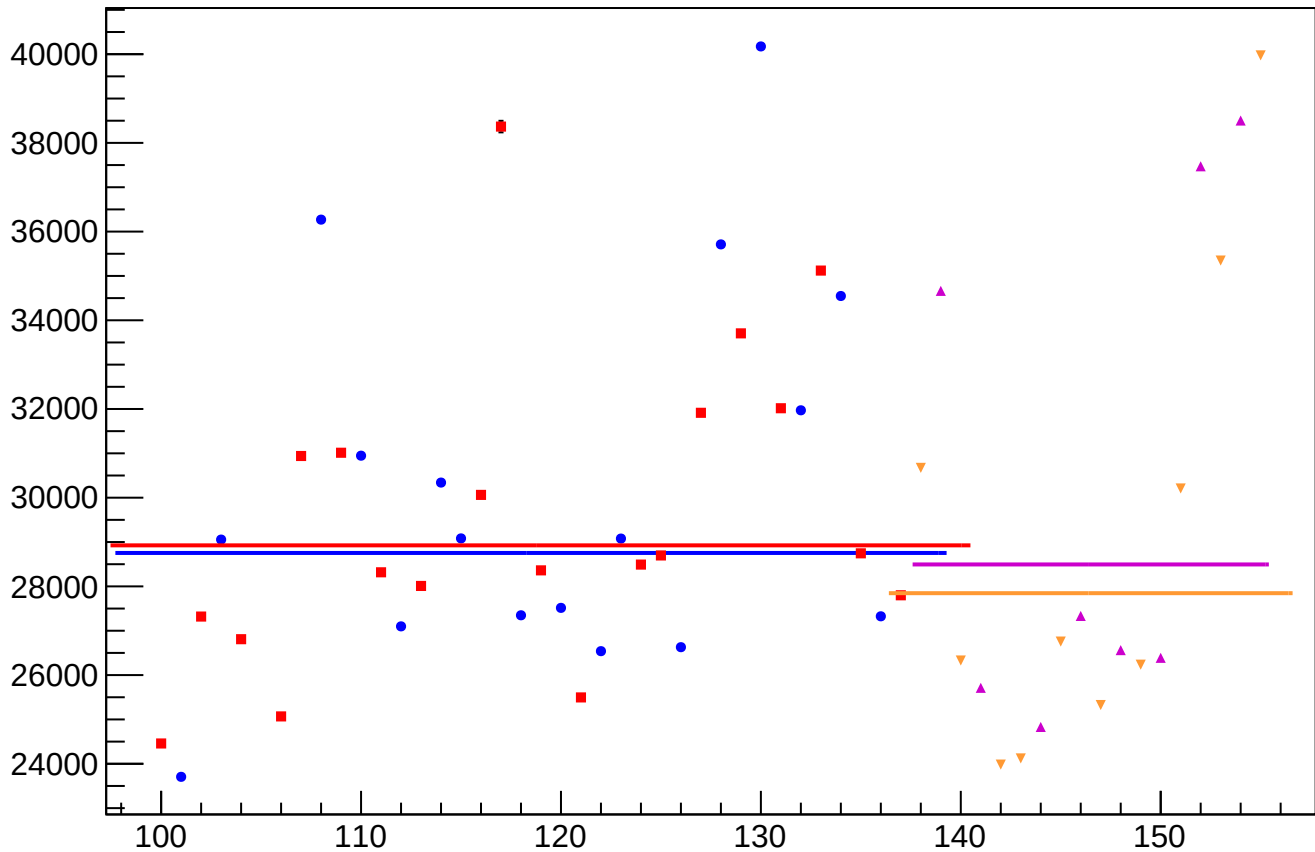
Left In: 4.279 ± 11.264 χ^2/NDF : 4.2/7

0.251 ± 7.656 χ^2/NDF : 26.7/26

-1.474 ± 5.472 χ^2/NDF : 51.8/54

-3.275 ± 7.823 χ^2/NDF : 25.0/27

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28753.787+/-7.981 χ^2/NDF : 249215.1/16

Left Out: 27846.800+/-7.368 χ^2/NDF : 322260.8/9

Right Out: 28925.160+/-7.687 χ^2/NDF : 116514.7/19

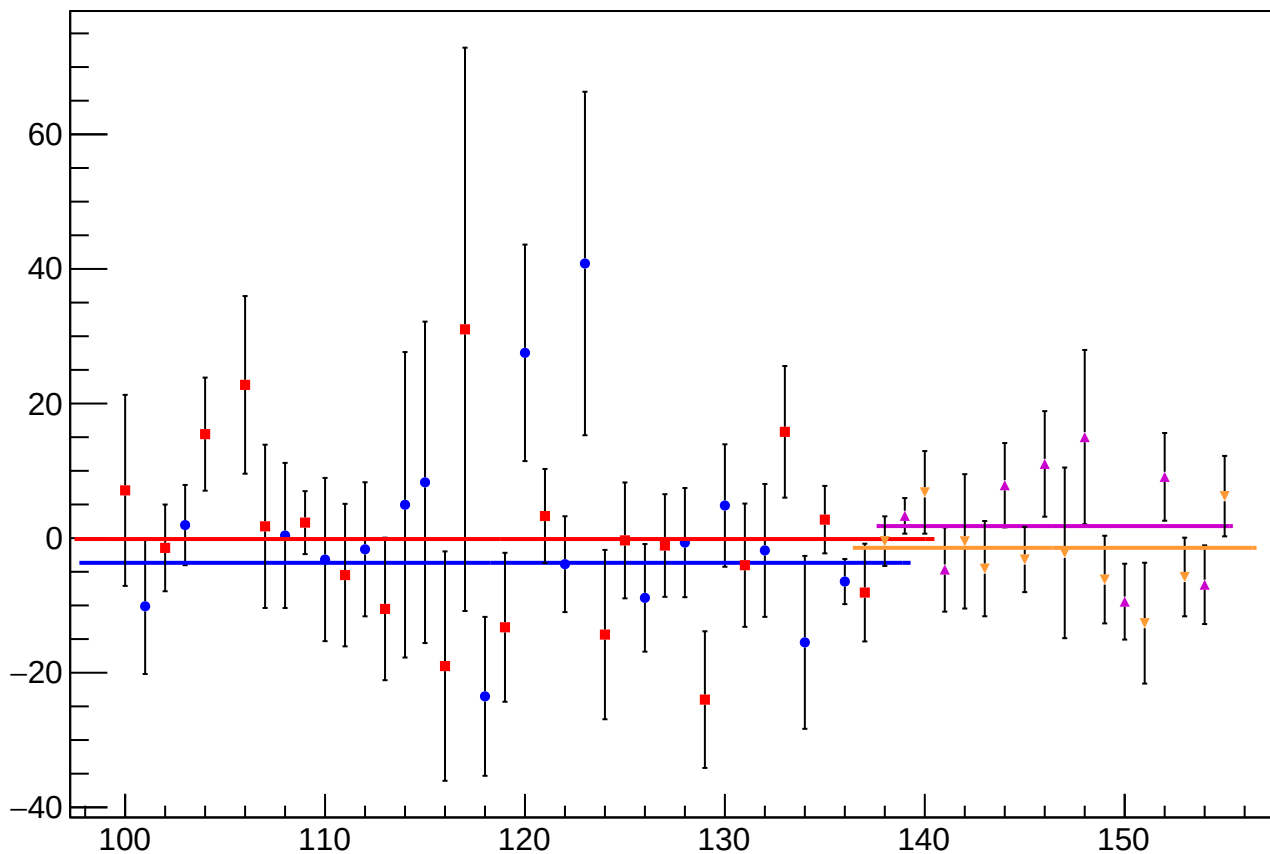
Left In: 28494.643+/-7.965 χ^2/NDF : 333469.9/7

28264.094+/-5.414 χ^2/NDF : 578448.4/26

28485.936+/-3.869 χ^2/NDF : 1033377.9/5

28717.530+/-5.531 χ^2/NDF : 451497.2/27

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -3.668 ± 2.010 χ^2/NDF : 14.5/16

Left Out: -1.441 ± 1.917 χ^2/NDF : 6.5/9

Right Out: -0.135 ± 1.891 χ^2/NDF : 22.9/19

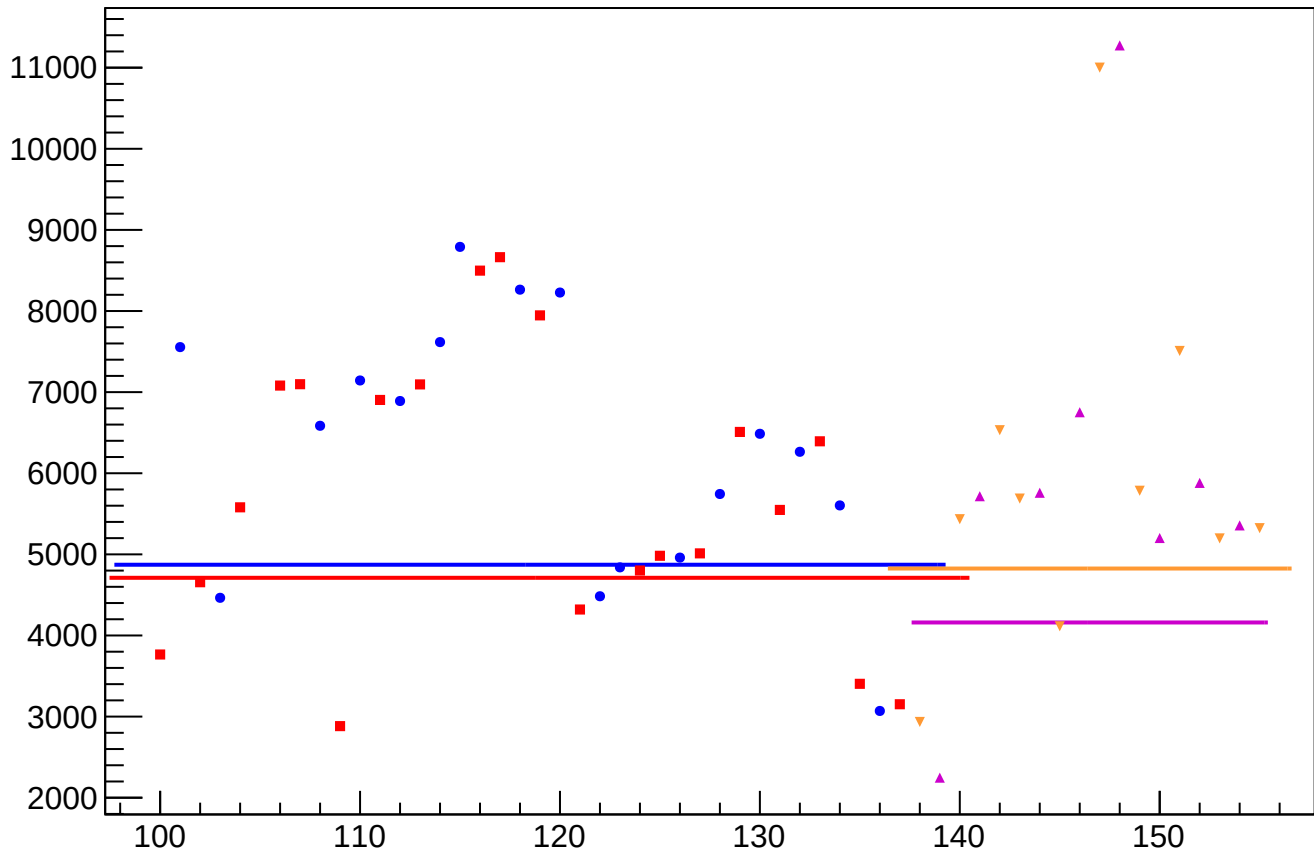
Left In: 1.791 ± 1.825 χ^2/NDF : 12.2/7

-2.502 ± 1.387 χ^2/NDF : 21.6/26

-0.728 ± 0.954 χ^2/NDF : 60.3/54

0.862 ± 1.313 χ^2/NDF : 35.6/27

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4872.105+/-1.421 χ^2/NDF : 1405253.2/16

Left Out: 4825.328+/-1.355 χ^2/NDF : 1395971.2/9

Right Out: 4711.077+/-1.337 χ^2/NDF : 1330595.4/19

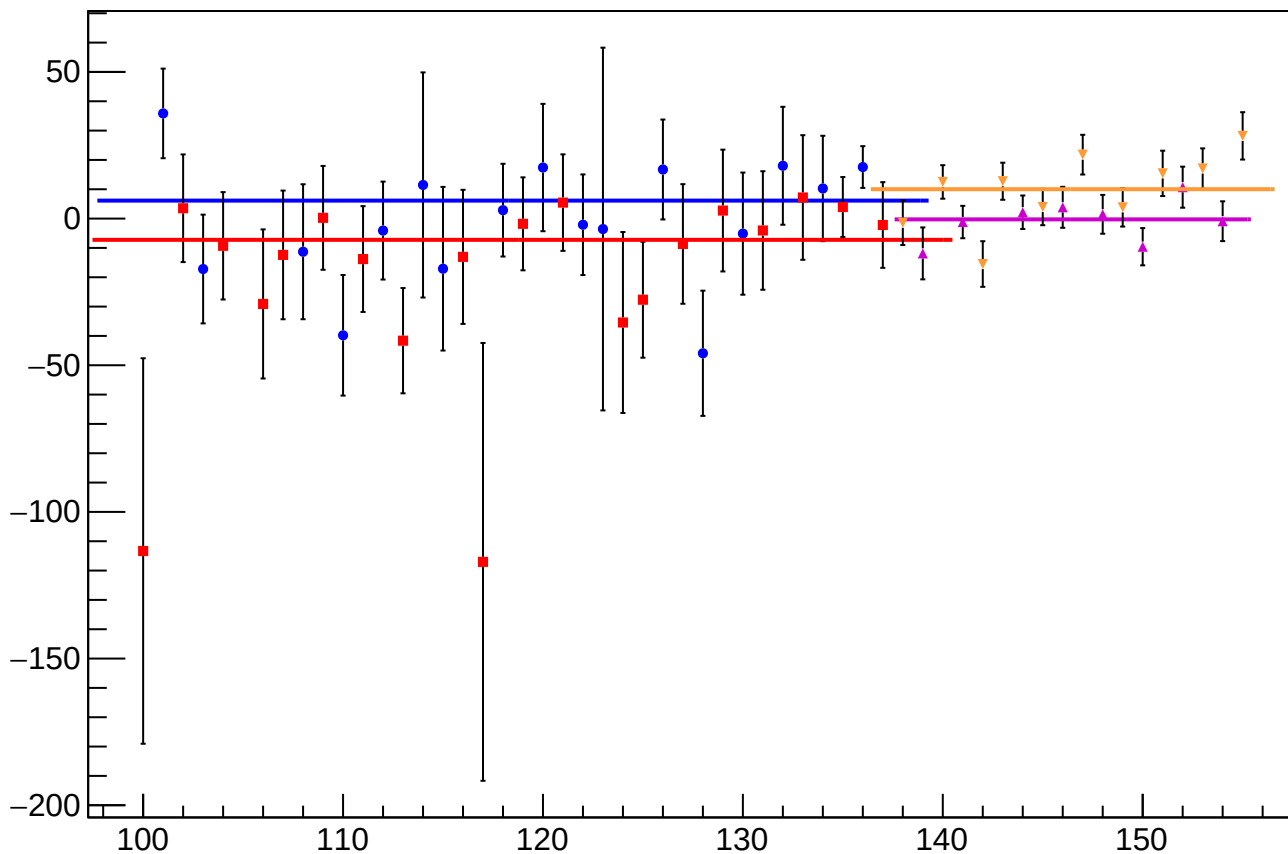
Left In: 4160.344+/-1.291 χ^2/NDF : 2411917.9/7

4847.609+/-0.981 χ^2/NDF : 2801791.7/26

4625.265+/-0.674 χ^2/NDF : 6729596.5/54

4425.987+/-0.929 χ^2/NDF : 3830352.6/27

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 6.133 $\pm$ 4.080 χ^2 /NDF: 22.2/16

Left Out: 10.019 $\pm$ 2.163 χ^2 /NDF: 24.9/9

Right Out: -7.243 $\pm$ 4.218 χ^2 /NDF: 14.6/19

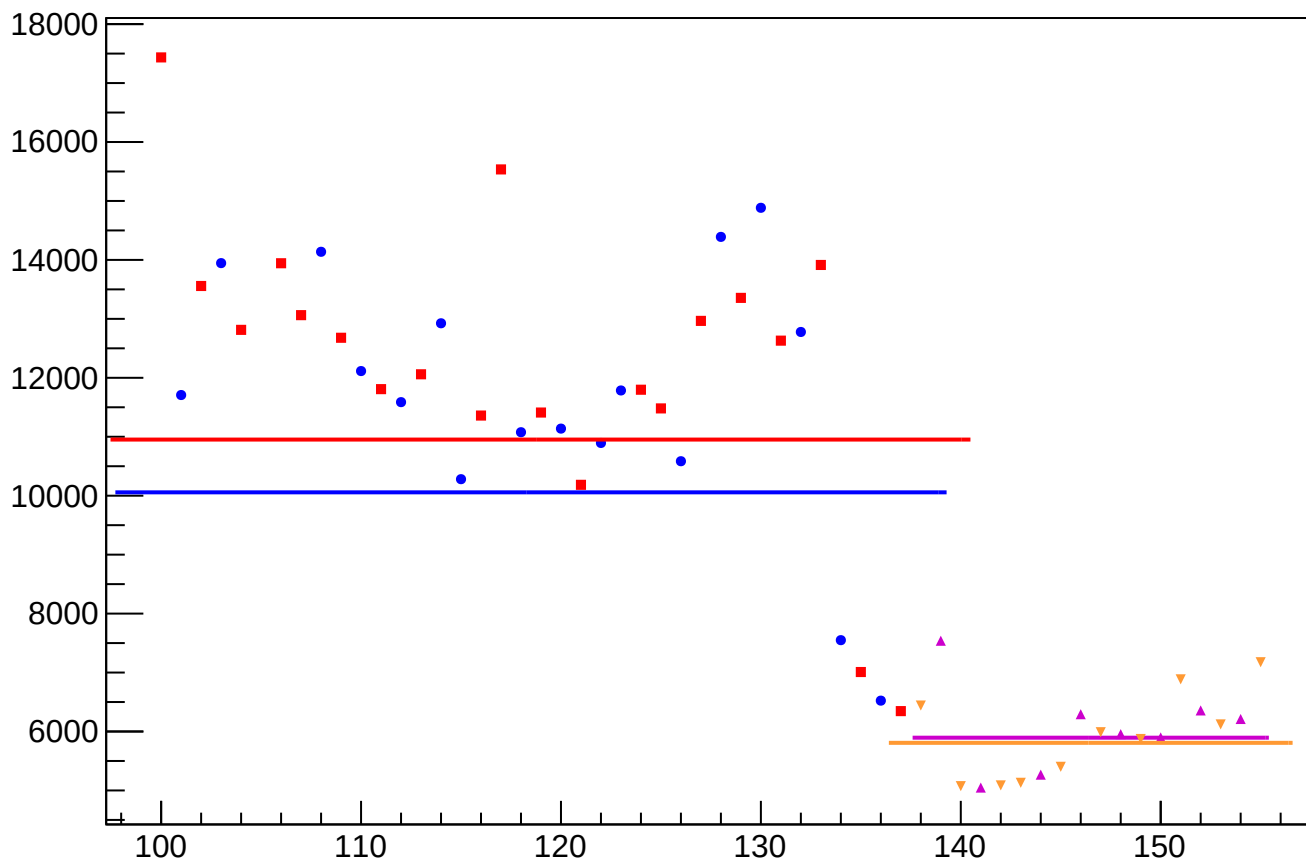
Left In: -0.269 $\pm$ 2.316 χ^2 /NDF: 7.0/7

9.167 $\pm$ 1.911 χ^2 /NDF: 47.8/26

3.974 $\pm$ 1.391 χ^2 /NDF: 87.2/54

-1.884 $\pm$ 2.030 χ^2 /NDF: 23.7/27

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10056.991 $\pm$ 2.885 χ^2/NDF : 1002872.6/16

Left Out: 5807.699 $\pm$ 1.529 χ^2/NDF :197685.9/9

Right Out: 10952.255 $\pm$ 2.982 χ^2/NDF : 770474.3/19

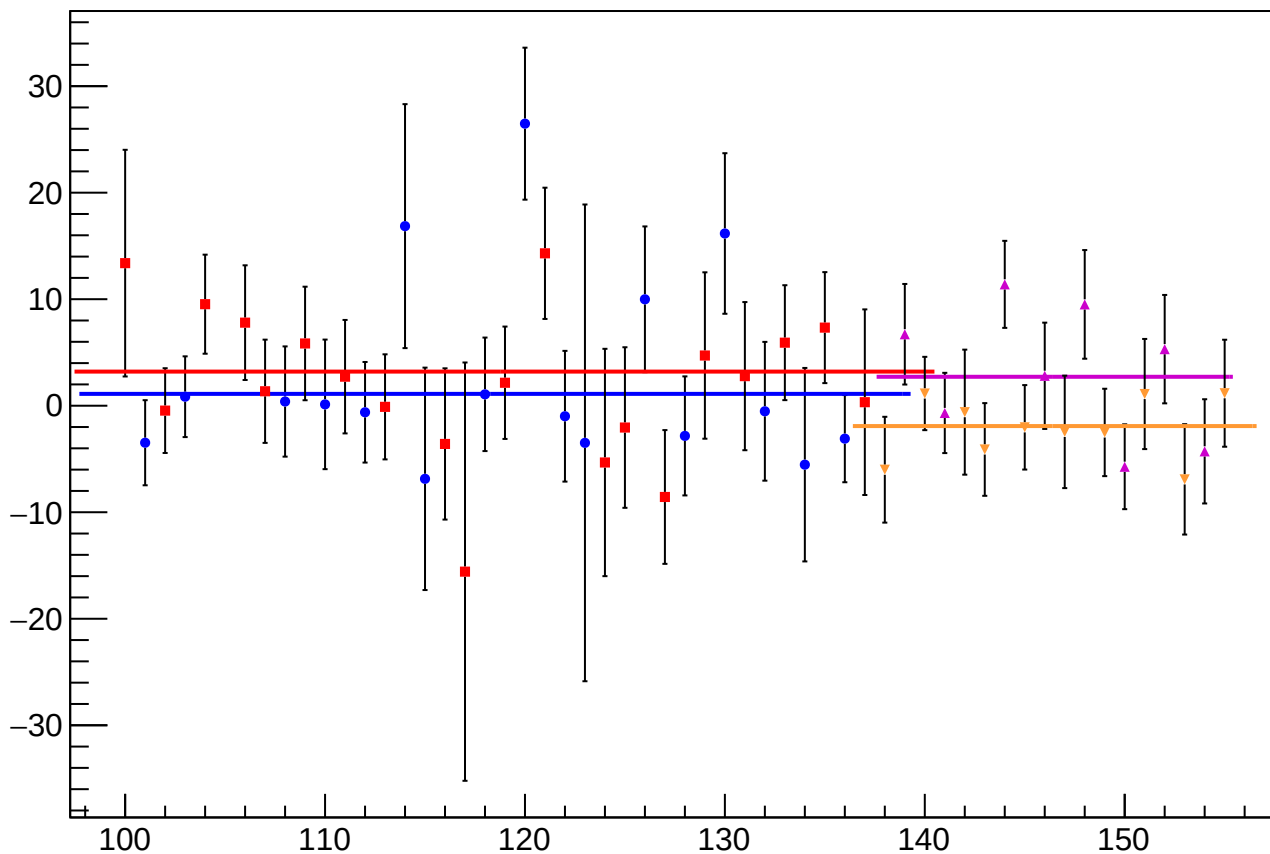
Left In: 5894.952 $\pm$ 1.637 χ^2/NDF :159935.0/7

6739.739 $\pm$ -1.351 χ^2/NDF : 2893970.1/26

6893.171 $\pm$ -0.984 χ^2/NDF : 6061384.5/54

7066.288 $\pm$ -1.435 χ^2/NDF : 3139972.6/27

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.112 $\pm$ 1.403 χ^2 /NDF: 24.6/16

Left Out: -1.911 $\pm$ 1.443 χ^2 /NDF: 3.5/9

Right Out: 3.204 $\pm$ 1.331 χ^2 /NDF: 16.0/19

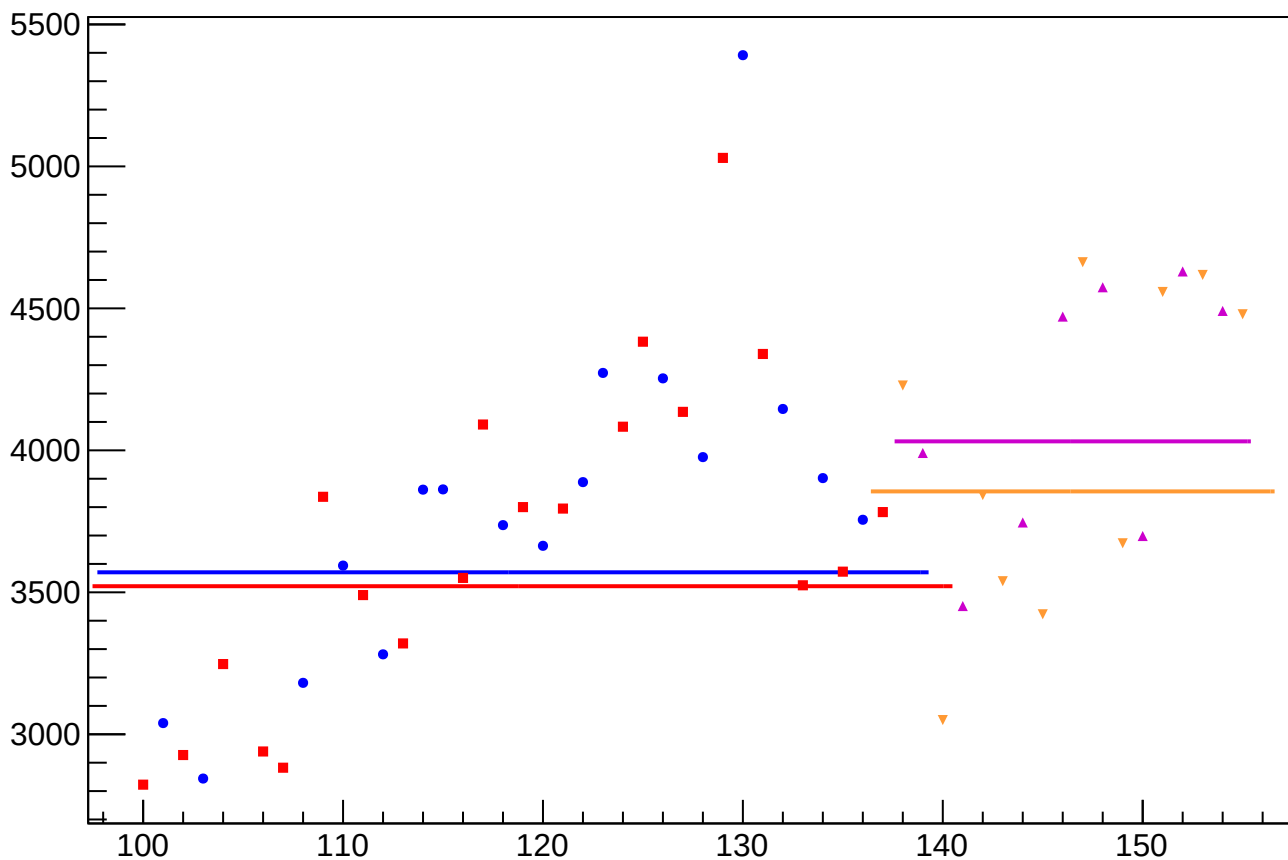
Left In: 2.717 $\pm$ 1.586 χ^2 /NDF: 14.6/7

-0.357 $\pm$ 1.006 χ^2 /NDF: 30.3/26

1.301 $\pm$ 0.716 χ^2 /NDF: 66.5/54

3.003 $\pm$ 1.019 χ^2 /NDF: 30.7/27

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3570.481 $\pm$ 0.992 χ^2 /NDF: 309699.2/16

Left Out: 3855.406 $\pm$ 1.021 χ^2 /NDF:316990.8/9

Right Out: 3521.513 $\pm$ 0.941 χ^2 /NDF: 295082.3/19

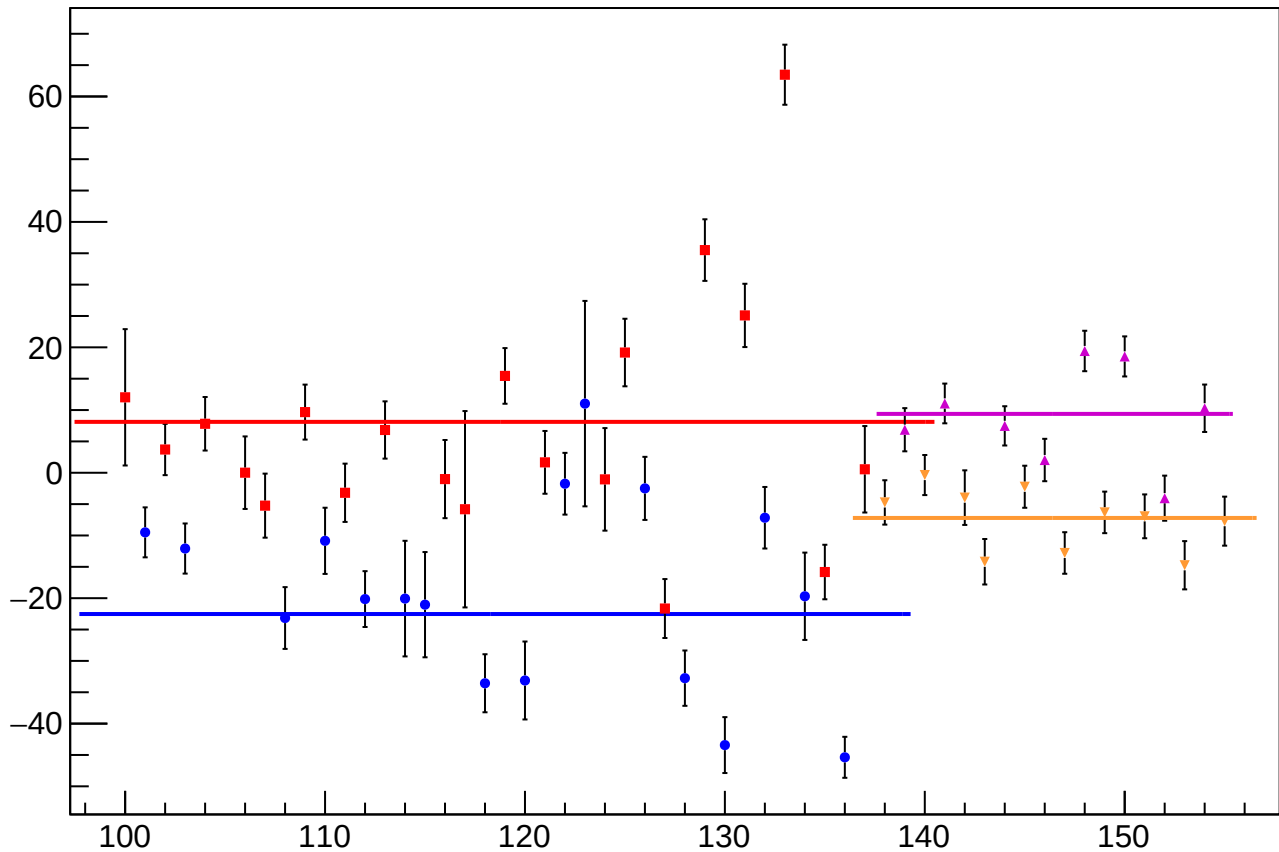
Left In: 4031.622 $\pm$ 1.122 χ^2 /NDF:154796.5/7

3708.898 $\pm$ 0.711 χ^2 /NDF: 666771.3/26

3720.373 $\pm$ 0.506 χ^2 /NDF: 1238569.7/54

3732.159 $\pm$ 0.721 χ^2 /NDF: 571270.8/27

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.526+/-1.201 χ^2/NDF : 155.5/16

Left Out: -7.205+/-1.123 χ^2/NDF : 18.3/9

Right Out: 8.116+/-1.154 χ^2/NDF : 276.6/19

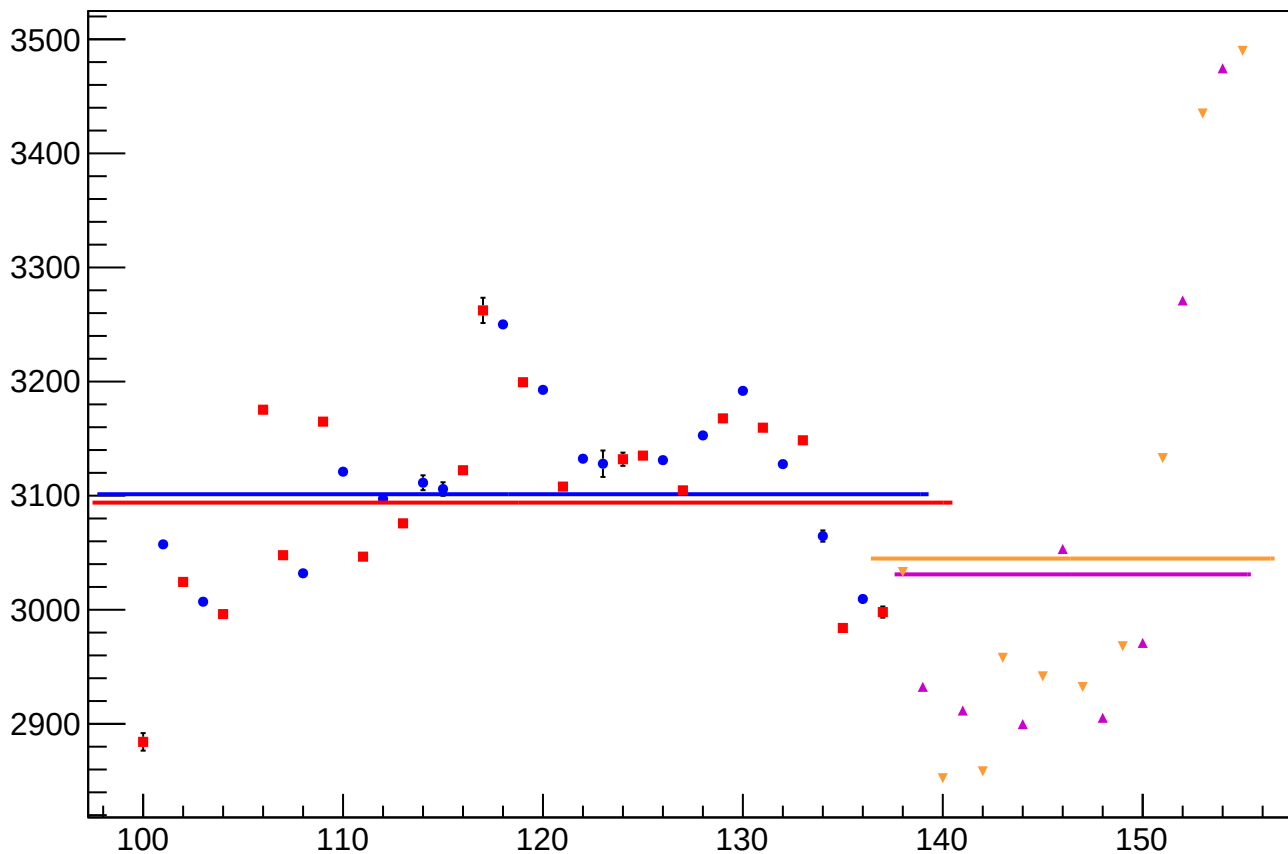
Left In: 9.386+/-1.183 χ^2/NDF : 37.9/7

-14.356+/-0.820 χ^2/NDF : 260.7/26

-2.889+/-0.582 χ^2/NDF : 969.4/54

8.735+/-0.826 χ^2/NDF : 315.1/27

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3101.270 +/- 0.849 χ^2/NDF : 7233.8/16

Left Out: 3044.895 +/- 0.794 χ^2/NDF : 65148.1/9

Right Out: 3093.913 +/- 0.816 χ^2/NDF : 7998.9/19

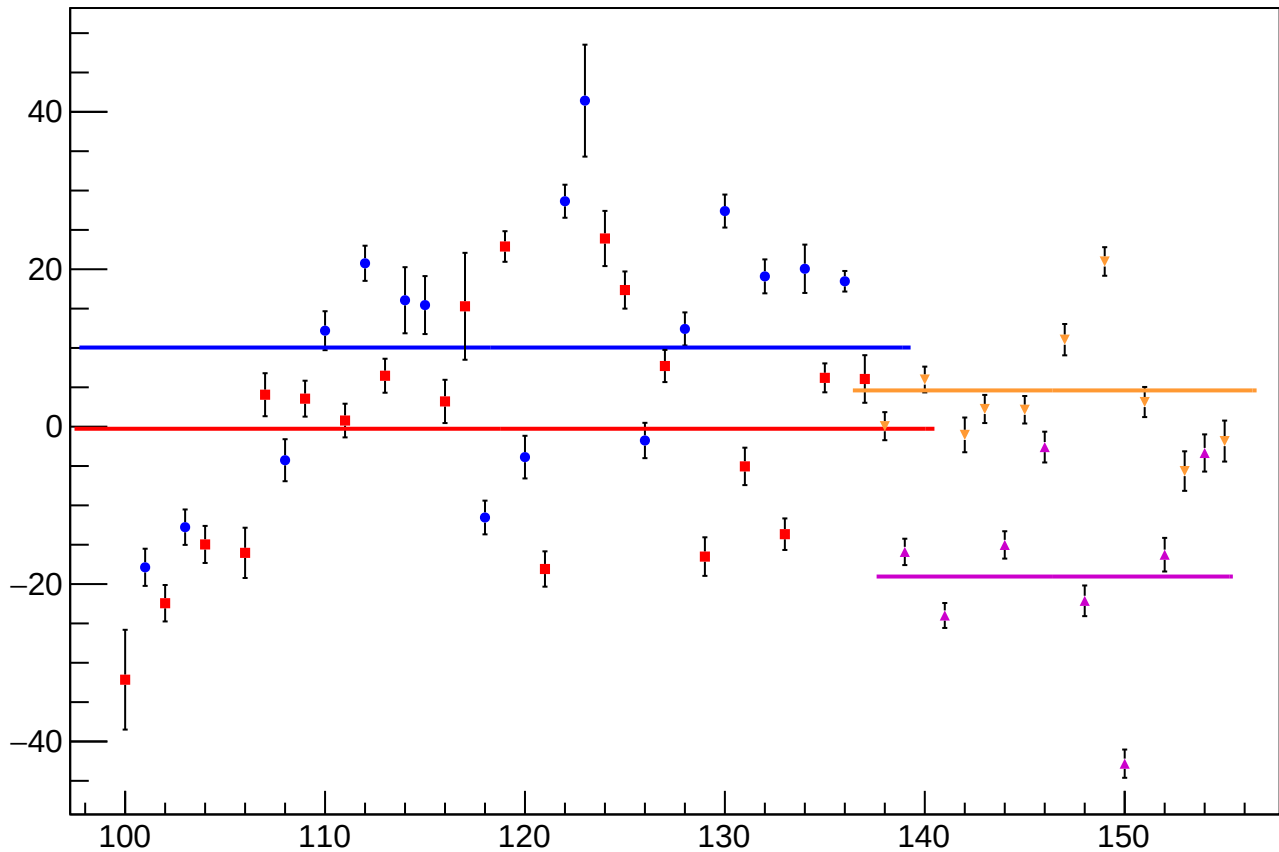
Left In: 3031.019 +/- 0.836 χ^2/NDF : 48266.2/7

3071.208 +/- 0.580 χ^2/NDF : 74733.6/26

3067.252 +/- 0.411 χ^2/NDF : 133990.9/54

3063.241 +/- 0.584 χ^2/NDF : 59163.6/27

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 10.055 ± 0.562 χ^2/NDF : 692.2/16

Left Out: 4.605 ± 0.612 χ^2/NDF : 132.6/9

Right Out: -0.266 ± 0.545 χ^2/NDF : 635.1/19

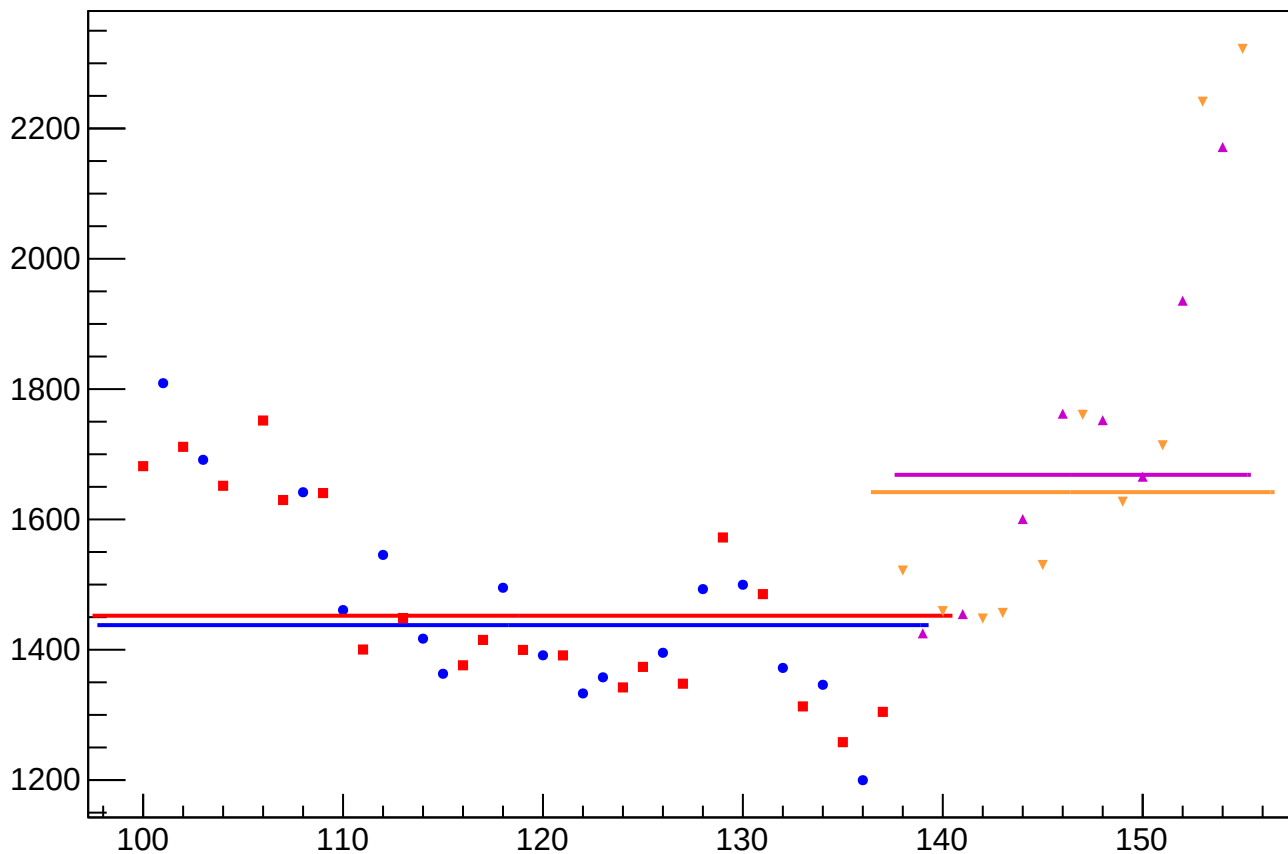
Left In: -19.043 ± 0.657 χ^2/NDF : 313.0/7

7.565 ± 0.414 χ^2/NDF : 867.9/26

-0.078 ± 0.295 χ^2/NDF : 2991.1/54

-7.929 ± 0.419 χ^2/NDF : 1432.0/27

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1437.776 $\pm$ 0.397 χ^2/NDF : 173216.2/16

Left Out: 1641.869 $\pm$ 0.433 χ^2/NDF : 339337.1/9

Right Out: 1452.227 $\pm$ 0.386 χ^2/NDF : 138666.1/19

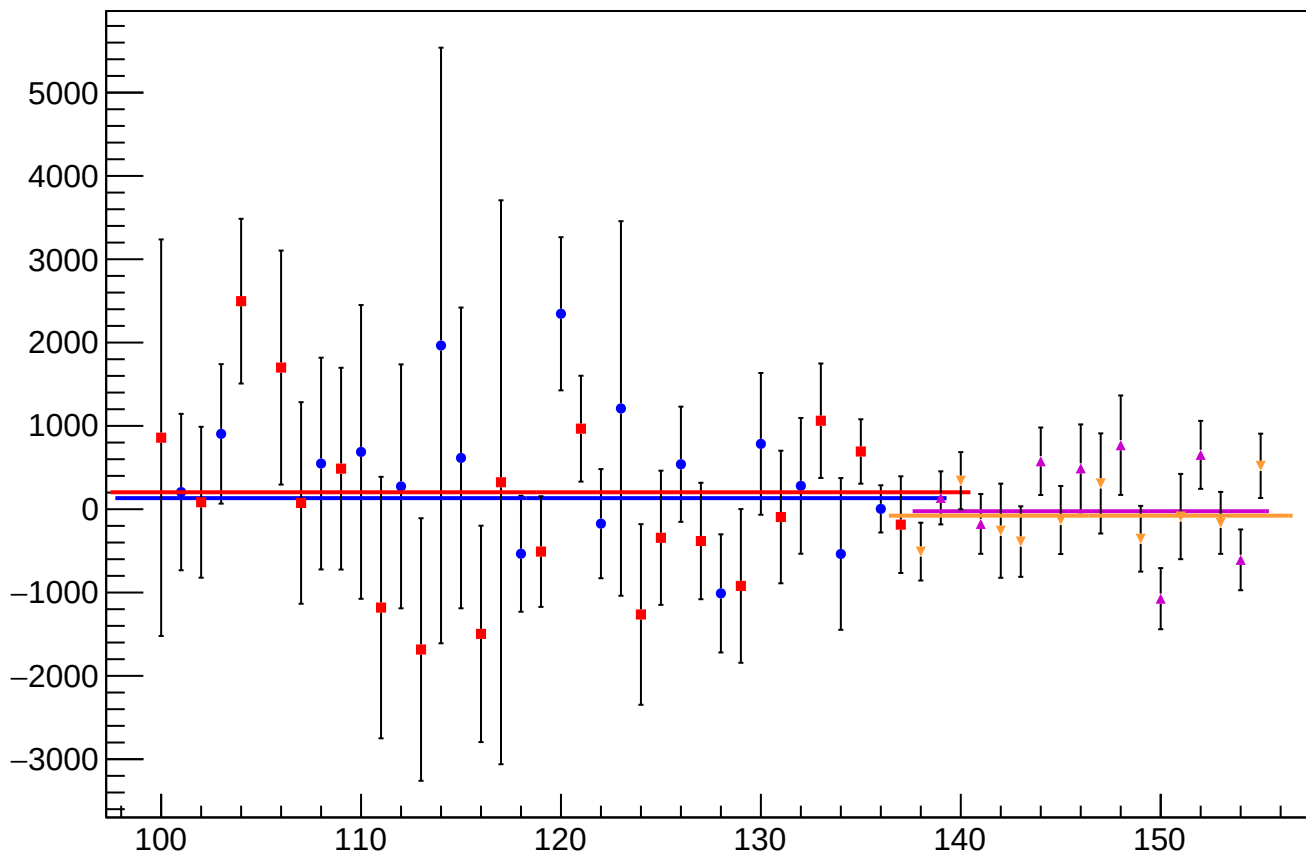
Left In: 1668.448 $\pm$ 0.464 χ^2/NDF : 211796.5/7

1531.024 $\pm$ 0.293 χ^2/NDF : 633215.3/26

1535.682 $\pm$ 0.208 χ^2/NDF : 1112534.9/54

1540.466 $\pm$ 0.297 χ^2/NDF : 478806.2/27

asym_sam1_mean vs Slug, Sign Corrected



Right In: 132.921 $\pm$ 180.271 χ^2 /NDF: 12.9/16

Left Out: -77.490 $\pm$ 130.766 χ^2 /NDF: 7.1/9

Right Out: 203.418 $\pm$ 184.080 χ^2 /NDF: 21.4/19

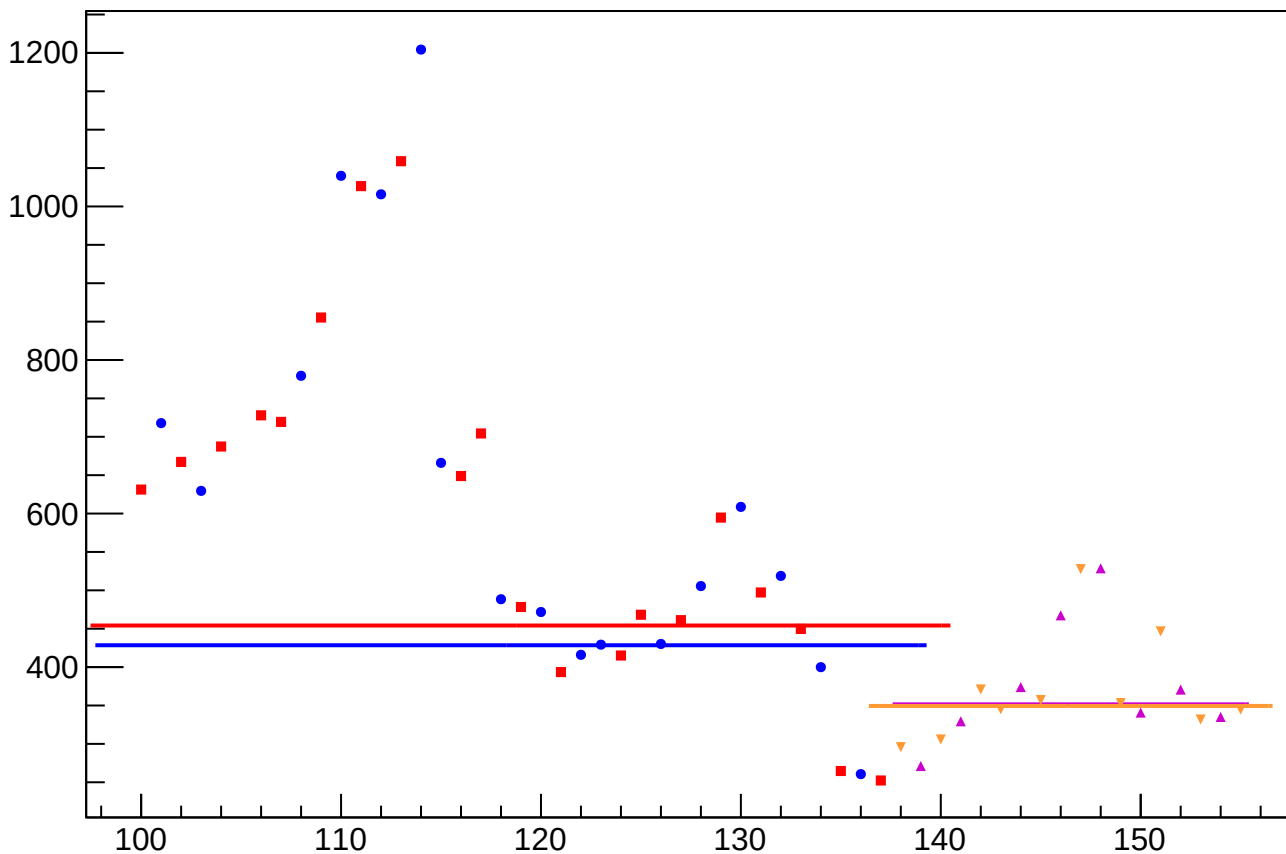
Left In: -24.220 $\pm$ 139.920 χ^2 /NDF: 18.8/7

-4.946 $\pm$ 105.850 χ^2 /NDF: 20.8/26

25.462 $\pm$ 76.732 χ^2 /NDF: 62.2/54

59.139 $\pm$ 111.393 χ^2 /NDF: 41.2/27

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.460 $\pm$ 0.127 χ^2 /NDF: 2011453.8/16

Left Out: 349.416 $\pm$ 0.092 χ^2 /NDF: 336913.6/9

Right Out: 454.177 $\pm$ 0.130 χ^2 /NDF: 2040775.1/19

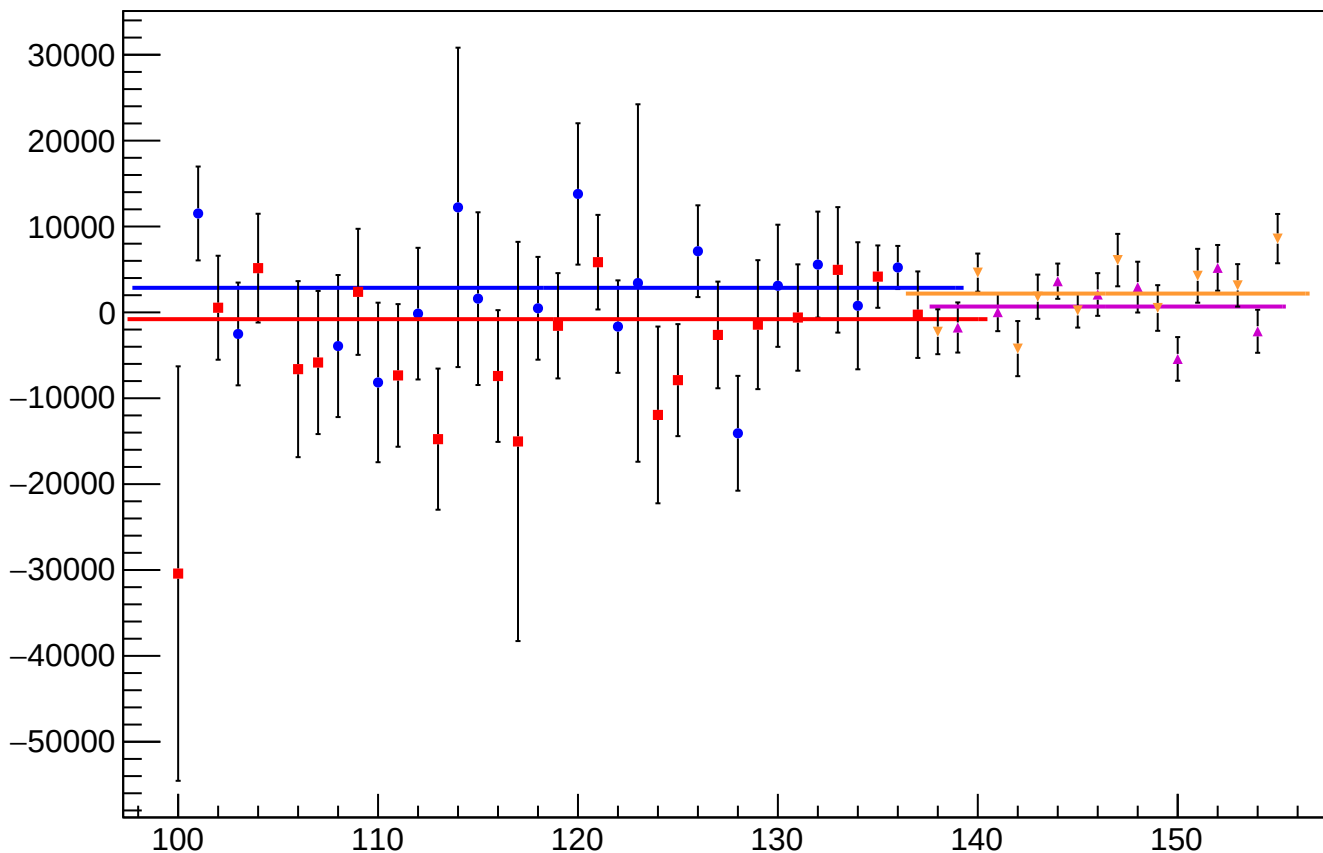
Left In: 351.507 $\pm$ 0.099 χ^2 /NDF: 424010.1/7

376.668 $\pm$ 0.075 χ^2 /NDF: 2600313.9/26

382.569 $\pm$ 0.054 χ^2 /NDF: 5472534.6/54

389.104 $\pm$ 0.079 χ^2 /NDF: 2859122.7/27

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2859.622 $\pm$ 1447.884 χ^2/NDF : 16.7/16

Left Out: 2189.849 $\pm$ 821.214 χ^2/NDF : 16.7/9

Right Out: -789.608 $\pm$ 1506.053 χ^2/NDF : 14.4/19

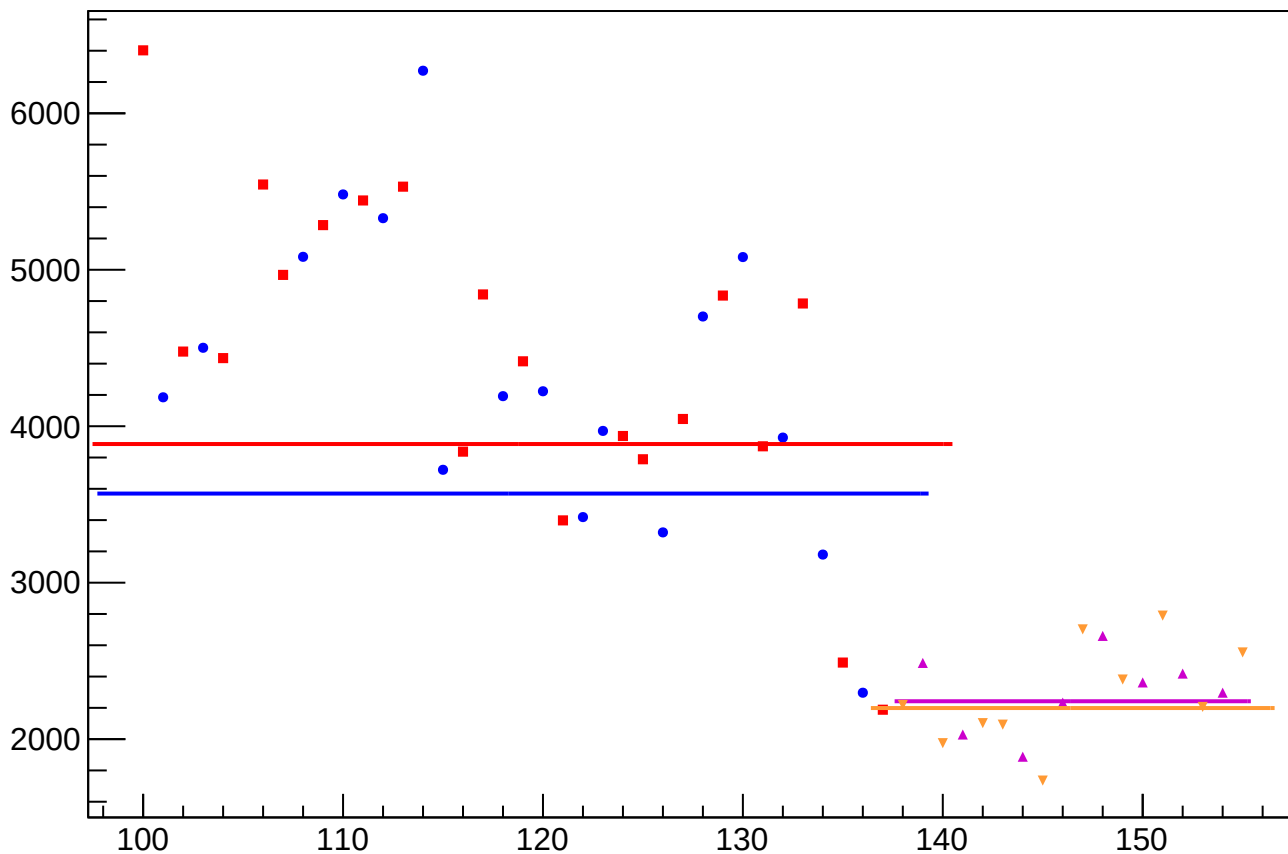
Left In: 679.163 $\pm$ 880.869 χ^2/NDF : 13.7/7

2352.869 $\pm$ 714.316 χ^2/NDF : 33.5/26

1392.713 $\pm$ 520.615 χ^2/NDF : 66.1/54

304.782 $\pm$ 760.362 χ^2/NDF : 28.8/27

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3569.631 $\pm$ 1.024 χ^2 /NDF: 1087935.4/16

Left Out: 2198.777 $\pm$ 0.581 χ^2 /NDF: 298706.7/9

Right Out: 3886.199 $\pm$ 1.065 χ^2 /NDF: 986485.7/19

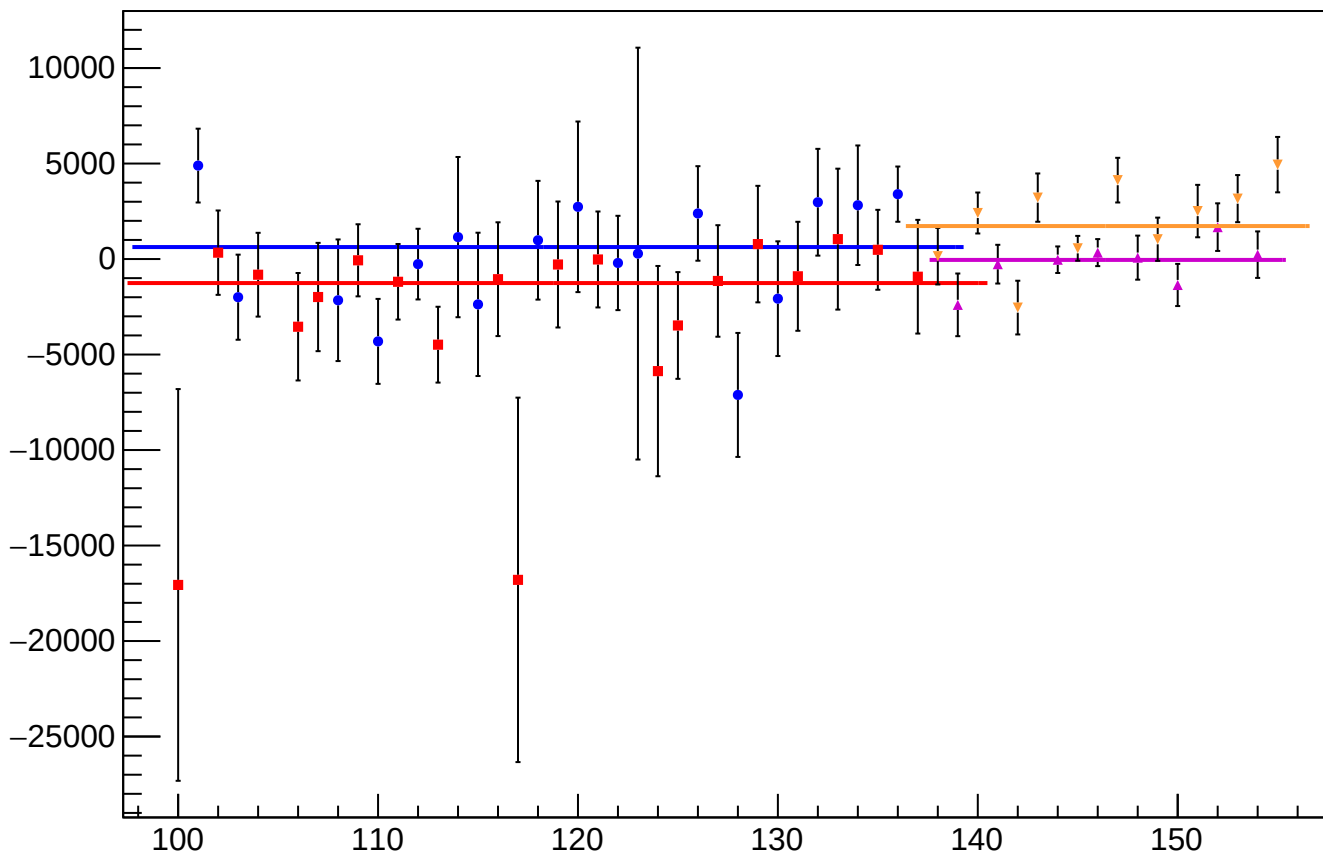
Left In: 2242.220 $\pm$ 0.623 χ^2 /NDF: 146154.6/7

2532.438 $\pm$ 0.505 χ^2 /NDF: 2743122.2/26

2592.831 $\pm$ 0.368 χ^2 /NDF: 5681919.2/54

2661.261 $\pm$ 0.538 χ^2 /NDF: 2908302.0/27

asym_sam3_mean vs Slug, Sign Corrected



Right In: 627.655 $\pm$ 620.929 χ^2/NDF : 25.1/16

Left Out: 1726.864 $\pm$ 353.603 χ^2/NDF : 26.5/9

Right Out: -1257.467 $\pm$ 601.857 χ^2/NDF : 12.6/19

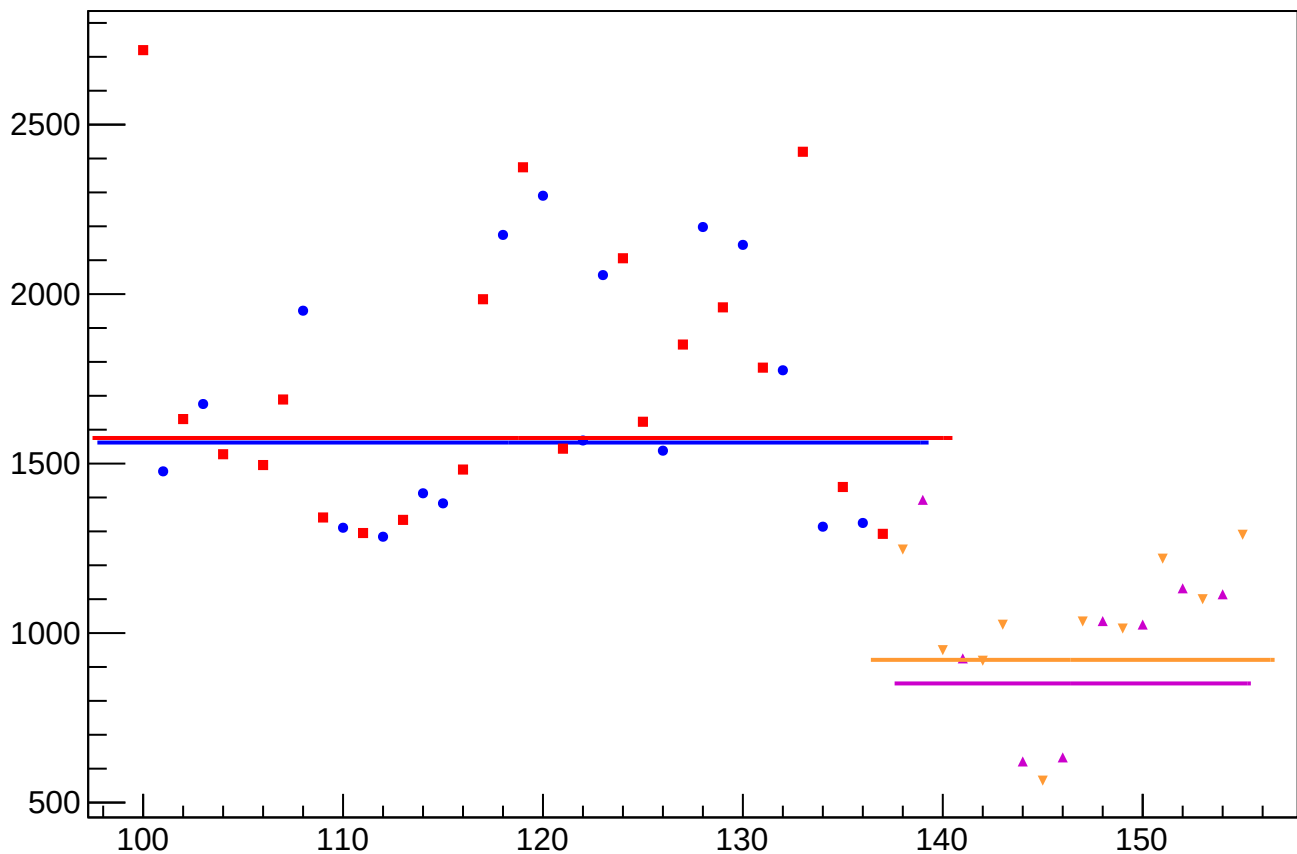
Left In: -45.849 $\pm$ 347.037 χ^2/NDF : 5.8/7

1457.685 $\pm$ 307.272 χ^2/NDF : 54.0/26

535.055 $\pm$ 214.890 χ^2/NDF : 93.0/54

-348.171 $\pm$ 300.639 χ^2/NDF : 21.4/27

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1562.101 ± 0.439 $\chi^2/\text{NDF}: 482088.3/16$

Left Out: 920.997 ± 0.250 $\chi^2/\text{NDF}: 1010454.3/9$

Right Out: 1575.541 ± 0.426 $\chi^2/\text{NDF}: 467687.2/19$

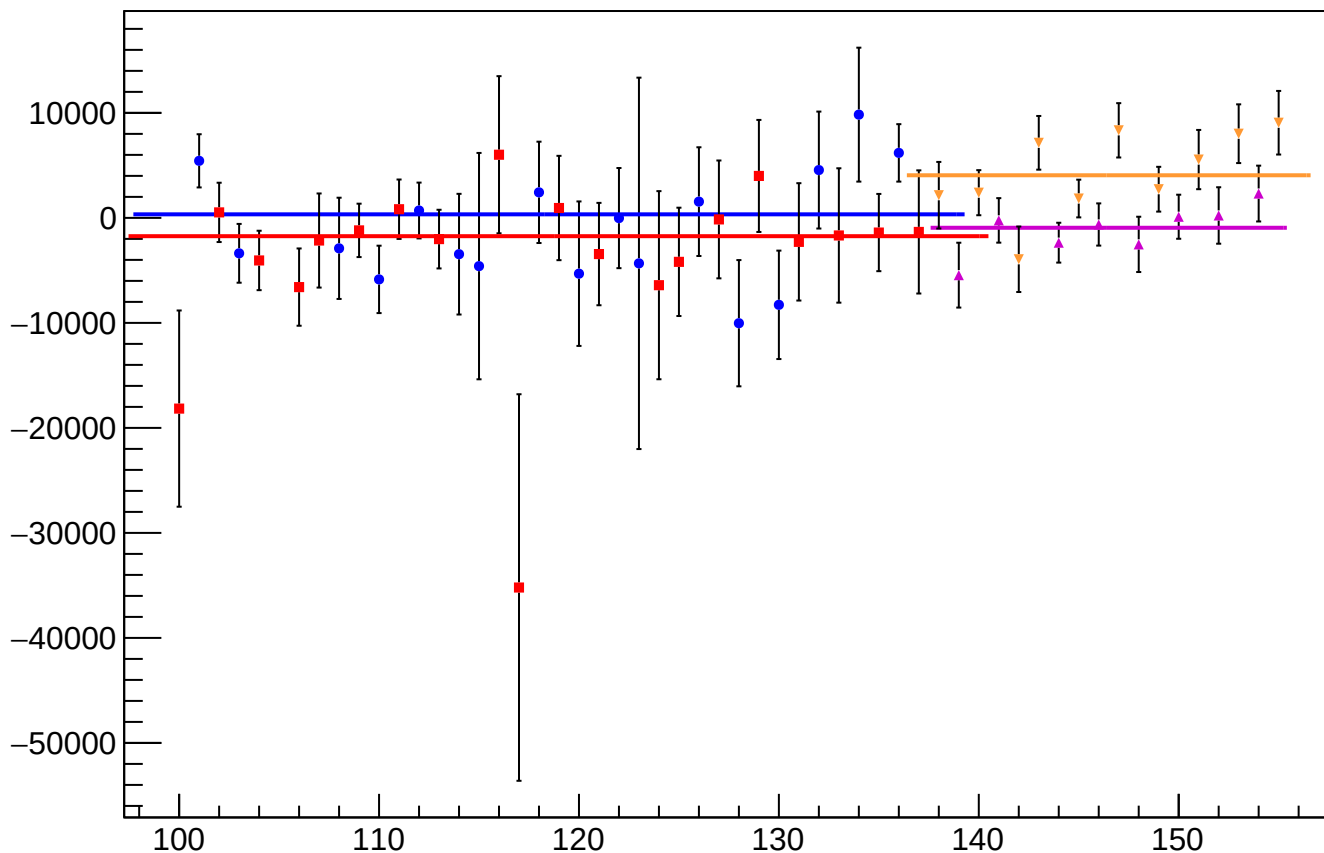
Left In: 851.419 ± 0.245 $\chi^2/\text{NDF}: 933312.9/7$

1077.993 ± 0.217 $\chi^2/\text{NDF}: 3102509.2/26$

1054.547 ± 0.152 $\chi^2/\text{NDF}: 6699042.3/54$

1032.101 ± 0.213 $\chi^2/\text{NDF}: 3573740.0/27$

asym_sam4_mean vs Slug, Sign Corrected



Right In: 338.117+/-995.842 χ^2/NDF : 24.8/16

Left Out: 4058.300+/-787.035 χ^2/NDF : 18.7/9

Right Out: -1742.470+/-923.289 χ^2/NDF : 13.6/19

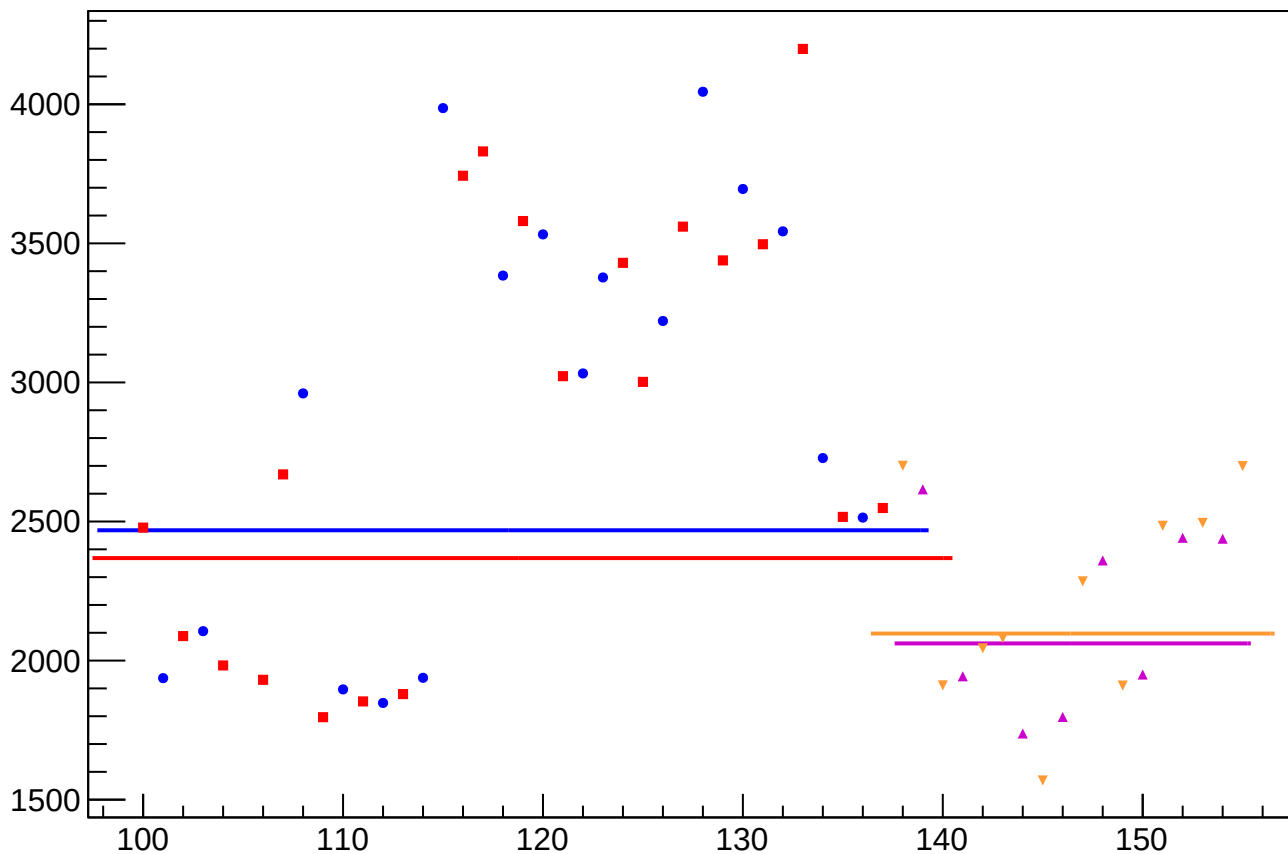
Left In: -941.557+/-815.352 χ^2/NDF : 5.1/7

2628.012+/-617.476 χ^2/NDF : 52.0/26

647.602+/-434.370 χ^2/NDF : 91.5/54

-1292.483+/-611.157 χ^2/NDF : 19.1/27

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2468.489 $\pm$ 0.704 χ^2 /NDF: 896153.6/16

Left Out: 2097.169 $\pm$ 0.557 χ^2 /NDF: 444341.5/9

Right Out: 2368.521 $\pm$ 0.653 χ^2 /NDF: 1037811.8/19

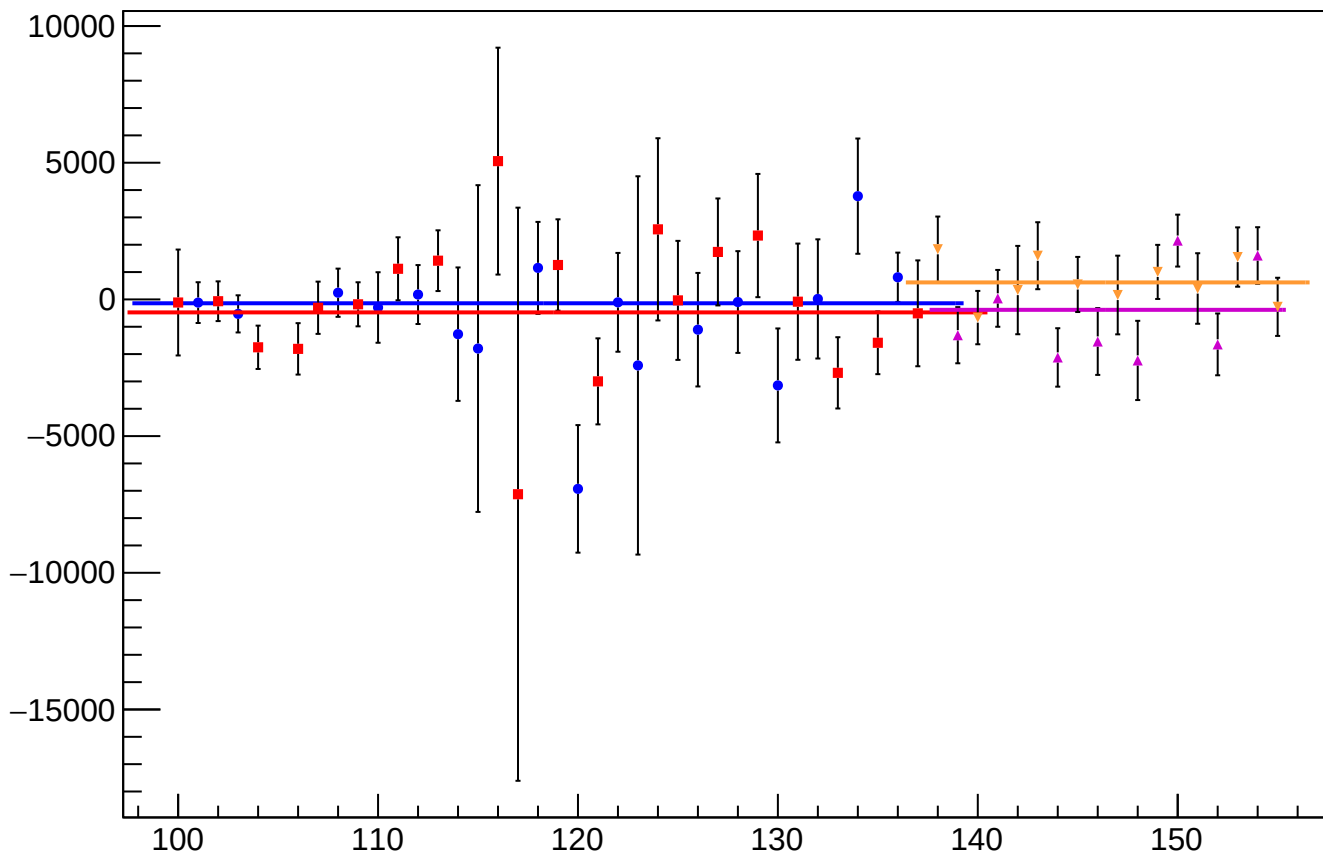
Left In: 2061.699 $\pm$ 0.577 χ^2 /NDF: 274862.3/7

2239.929 $\pm$ 0.437 χ^2 /NDF: 1511652.9/26

2217.807 $\pm$ 0.307 χ^2 /NDF: 2953500.6/54

2196.136 $\pm$ 0.432 χ^2 /NDF: 1436765.8/27

asym_sam5_mean vs Slug, Sign Corrected



Right In: -141.213+/-313.319 χ^2/NDF : 16.9/16

Left Out: 621.651+/-362.258 χ^2/NDF : 5.2/9

Right Out: -474.987+/-282.789 χ^2/NDF : 23.3/19

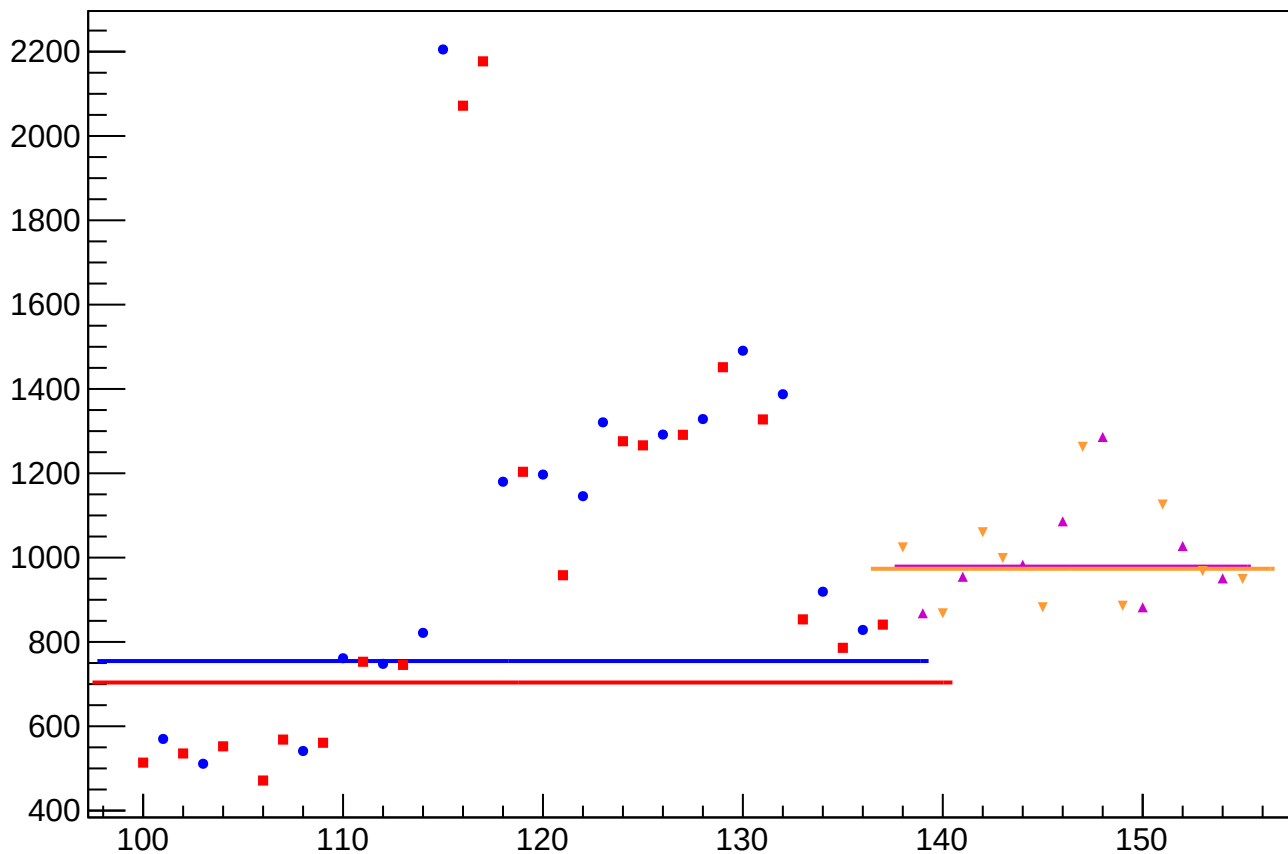
Left In: -381.266+/-385.743 χ^2/NDF : 18.2/7

185.245+/-236.978 χ^2/NDF : 24.6/26

-140.508+/-164.328 χ^2/NDF : 69.9/54

-442.225+/-228.068 χ^2/NDF : 41.6/27

asym_sam5_rms vs Slug, Sign Corrected



Right In: 754.684+/-0.222 χ^2/NDF : 1690621.2/16

Left Out: 973.564+/-0.256 χ^2/NDF : 175581.9/9

Right Out: 703.794+/-0.200 χ^2/NDF : 1731134.6/19

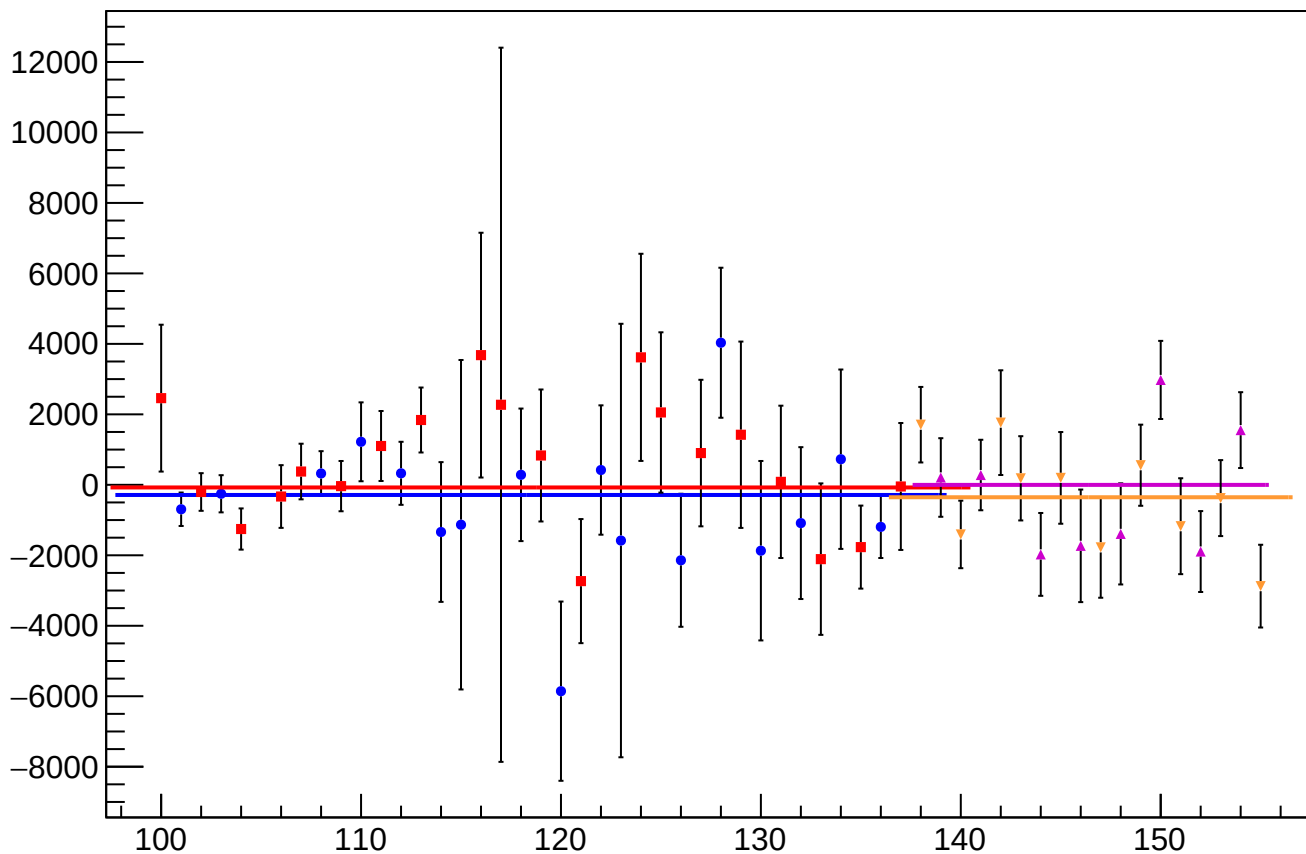
Left In: 978.681+/-0.273 χ^2/NDF : 155629.1/7

848.351+/-0.168 χ^2/NDF : 2283891.3/26

823.190+/-0.116 χ^2/NDF : 4874688.2/54

799.886+/-0.161 χ^2/NDF : 2547368.6/27

asym_sam6_mean vs Slug, Sign Corrected



Right In: -288.037 ± 250.436 χ^2/NDF : 16.2/16

Left Out: -352.898 ± 376.009 χ^2/NDF : 13.9/9

Right Out: -74.735 ± 246.011 χ^2/NDF : 21.4/19

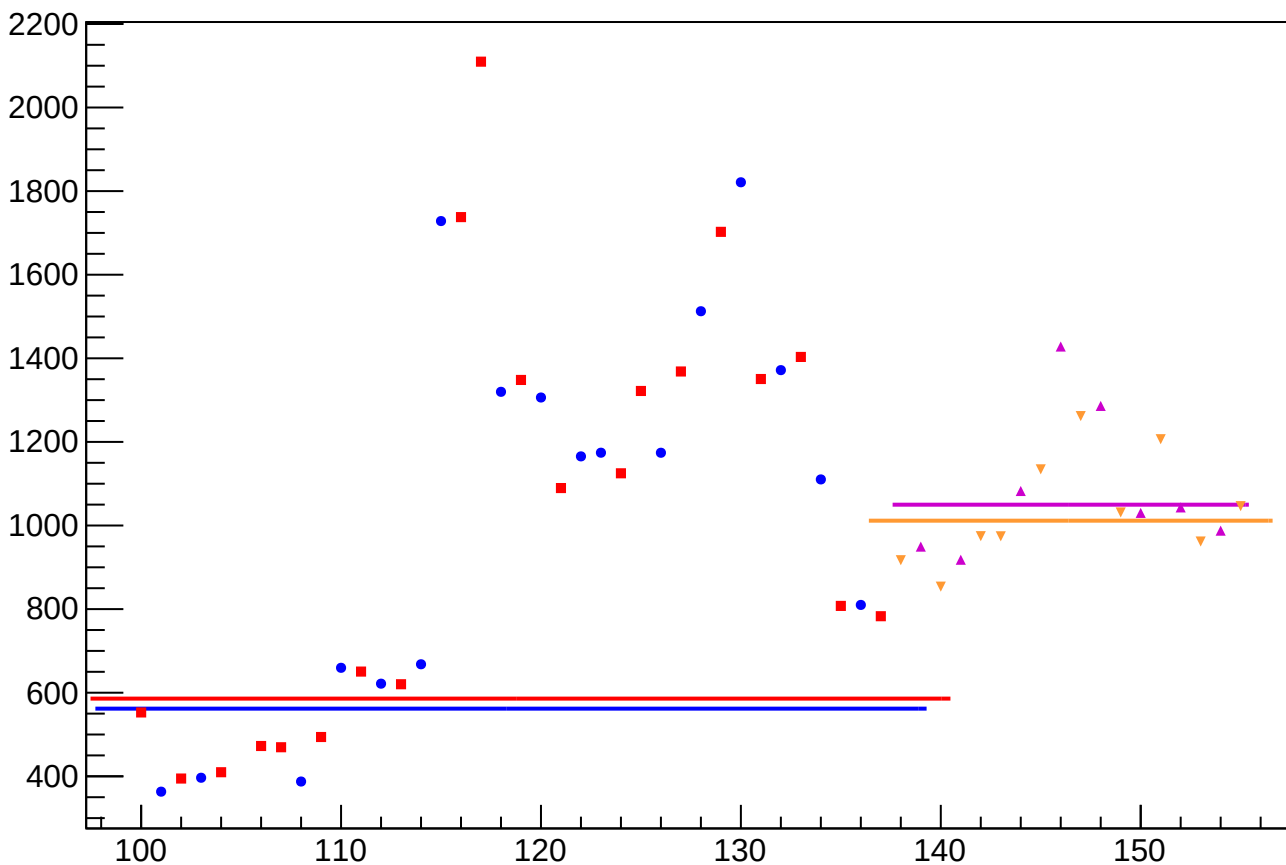
Left In: -2.040 ± 413.748 χ^2/NDF : 17.1/7

-307.968 ± 208.436 χ^2/NDF : 30.1/26

-183.672 ± 148.442 χ^2/NDF : 69.3/54

-55.747 ± 211.455 χ^2/NDF : 38.5/27

asym_sam6_rms vs Slug, Sign Corrected



Right In: 561.894 ± 0.177 χ^2/NDF : 3216651.3/16

Left Out: 1011.562 ± 0.266 χ^2/NDF : 199724.1/9

Right Out: 585.891 ± 0.174 χ^2/NDF : 2869692.7/19

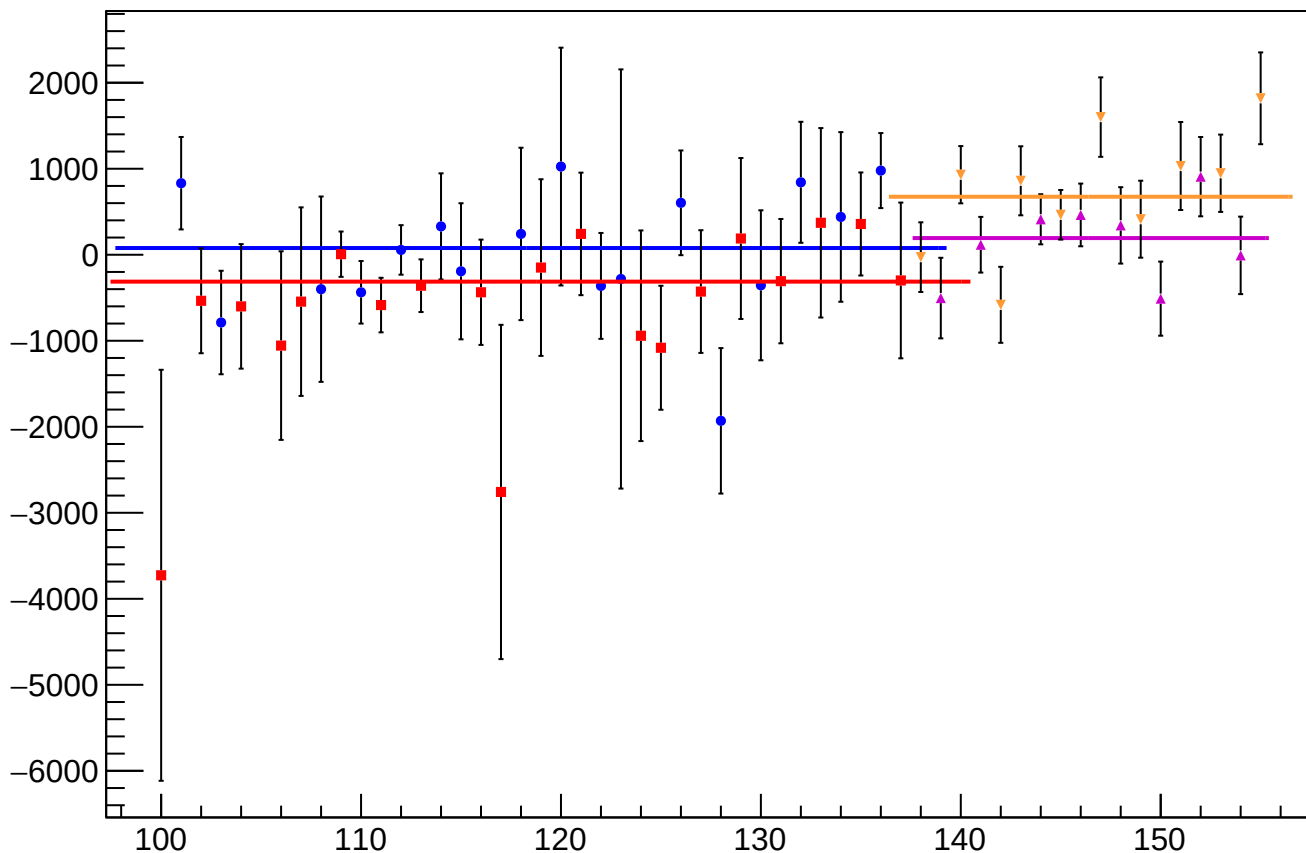
Left In: 1049.815 ± 0.293 χ^2/NDF : 226213.4/7

700.072 ± 0.147 χ^2/NDF : 5397764.0/26

703.519 ± 0.105 χ^2/NDF : 10352500.0/54

707.066 ± 0.150 χ^2/NDF : 4953626.3/27

asym_sam7_mean vs Slug, Sign Corrected



Right In: 78.184 ± 142.869 $\chi^2/\text{NDF}: 19.8/16$

Left Out: 674.376 ± 128.607 $\chi^2/\text{NDF}: 22.2/9$

Right Out: -312.536 ± 129.362 $\chi^2/\text{NDF}: 10.7/19$

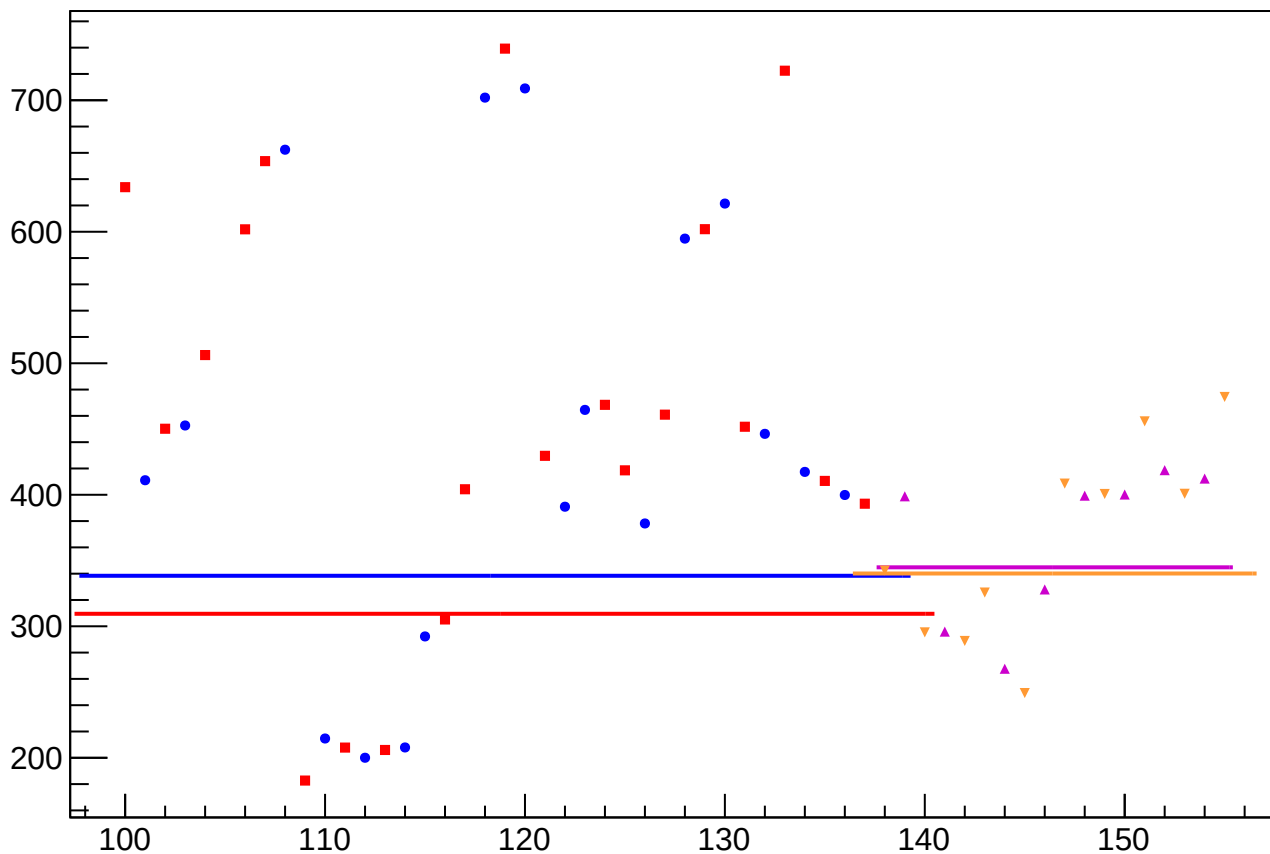
Left In: 193.883 ± 136.705 $\chi^2/\text{NDF}: 8.8/7$

407.515 ± 95.585 $\chi^2/\text{NDF}: 51.6/26$

162.994 ± 67.007 $\chi^2/\text{NDF}: 91.2/54$

-73.293 ± 93.962 $\chi^2/\text{NDF}: 26.7/27$

asym_sam7_rms vs Slug, Sign Corrected



Right In: 338.408 $\pm$ 0.101 χ^2/NDF : 2009287.1/16

Left Out: 340.132 $\pm$ 0.091 χ^2/NDF : 610204.9/9

Right Out: 309.503 $\pm$ 0.091 χ^2/NDF : 2738236.3/19

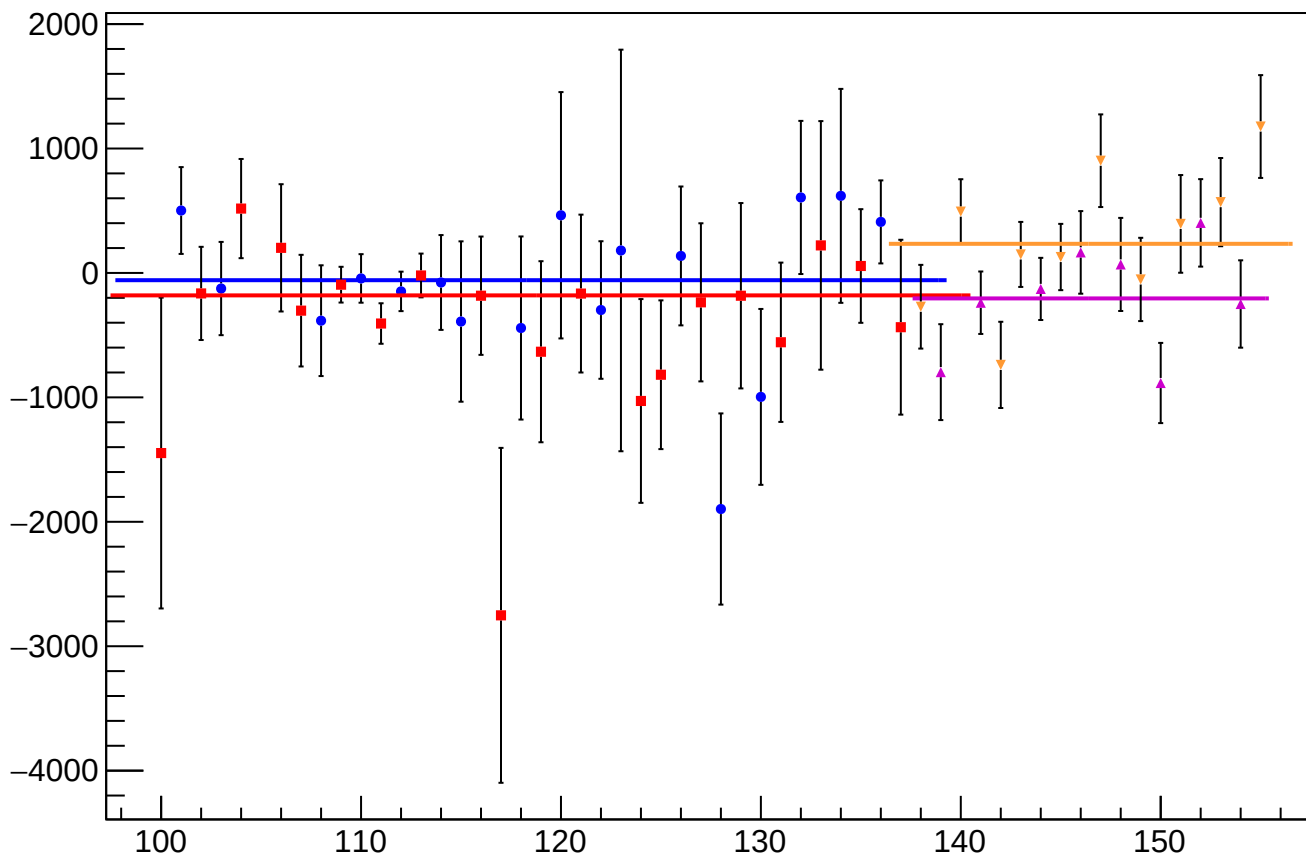
Left In: 344.833 $\pm$ 0.097 χ^2/NDF : 376003.0/7

339.360 $\pm$ 0.068 χ^2/NDF : 2619652.8/26

332.664 $\pm$ 0.047 χ^2/NDF : 5823666.5/54

326.193 $\pm$ 0.066 χ^2/NDF : 3184714.1/27

asym_sam8_mean vs Slug, Sign Corrected



Right In: -58.299+/-90.484 χ^2/NDF : 15.9/16

Left Out: 234.082+/-101.465 χ^2/NDF : 21.6/9

Right Out: -180.354+/-76.795 χ^2/NDF : 15.0/19

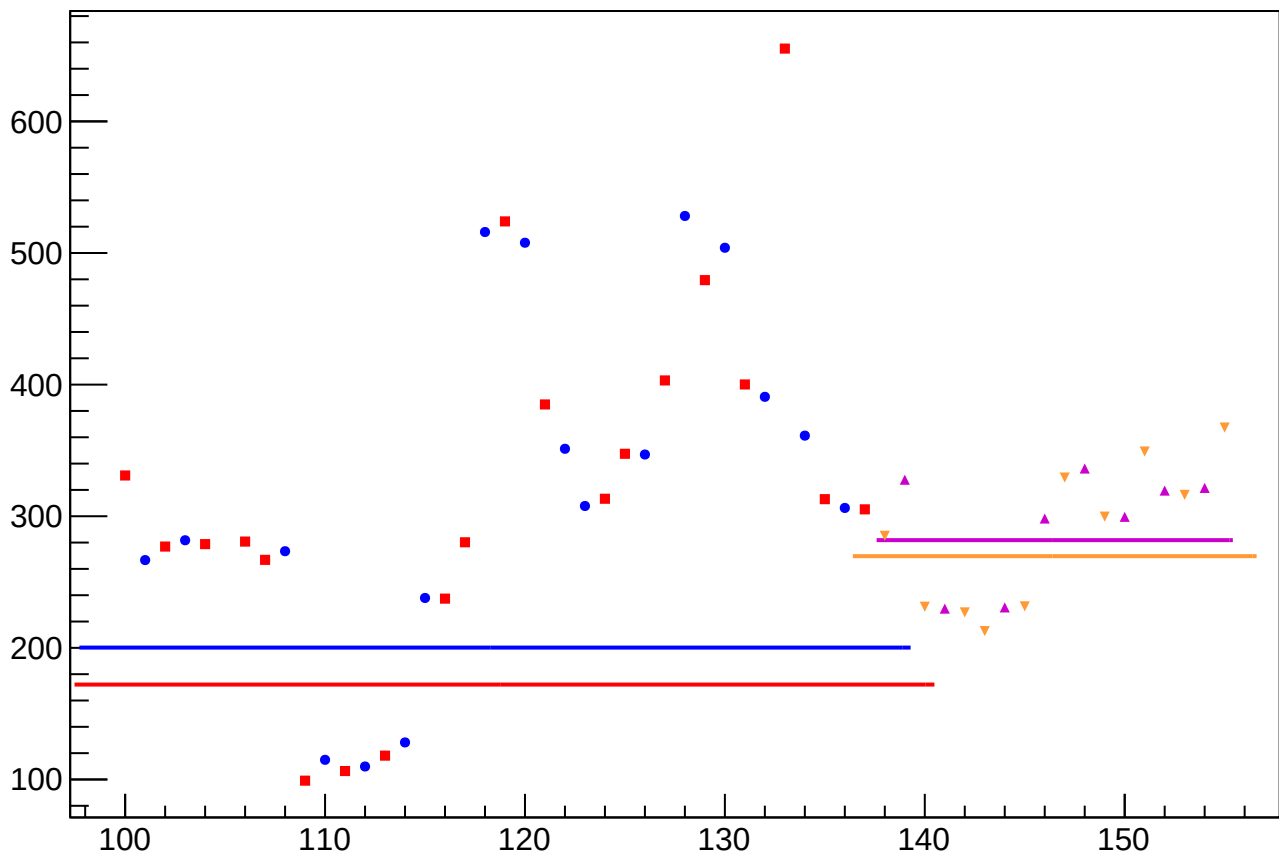
Left In: -204.765+/-111.318 χ^2/NDF : 11.7/7

71.220+/-67.532 χ^2/NDF : 42.1/26

-67.066+/-46.149 χ^2/NDF : 76.7/54

-188.226+/-63.212 χ^2/NDF : 26.7/27

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.209+/-0.064 χ^2/NDF : 3387197.7/16

Left Out: 269.665+/-0.072 χ^2/NDF : 510143.2/9

Right Out: 172.110+/-0.054 χ^2/NDF : 4106869.2/19

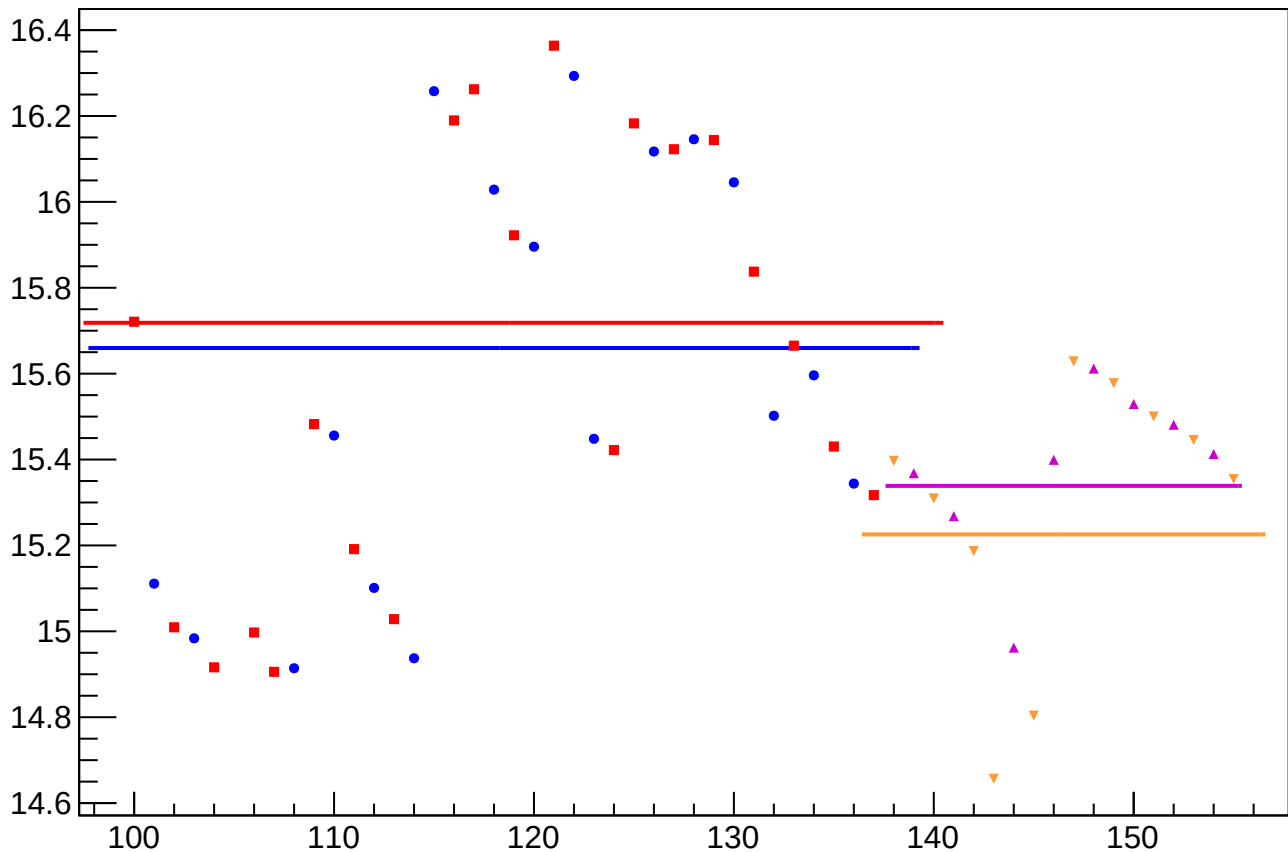
Left In: 281.837+/-0.079 χ^2/NDF : 299824.2/7

230.977+/-0.048 χ^2/NDF : 4419367.1/26

218.459+/-0.033 χ^2/NDF : 10271601.6/54

207.492+/-0.045 χ^2/NDF : 5723319.3/27

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.660 $\pm$ 0.000 χ^2/NDF : 5782644553.5/16

Left Out: 15.226 $\pm$ 0.000 χ^2/NDF : 6122840263.6/9

Right Out: 15.718 $\pm$ 0.000 χ^2/NDF : 5490626945.9/19

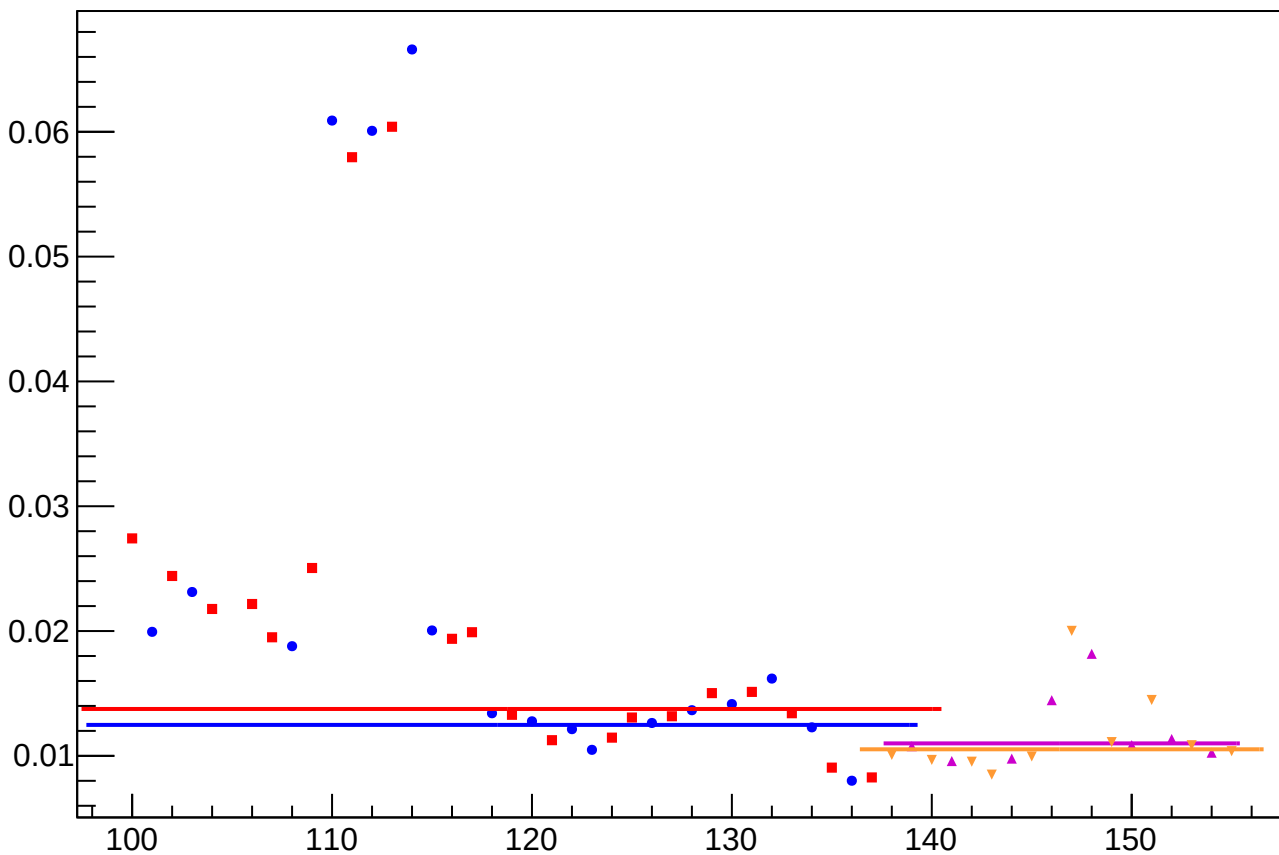
Left In: 15.339 $\pm$ 0.000 χ^2/NDF : 1868024172.2/7

15.380 $\pm$ 0.000 χ^2/NDF : 15929186418.2/26

15.425 $\pm$ 0.000 χ^2/NDF : 26346441702.0/26

15.478 $\pm$ 0.000 χ^2/NDF : 10004650491.6/27

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 2152911.4/16

Left Out: 0.011+/-0.000 χ^2/NDF :549430.7/9

Right Out: 0.014+/-0.000 χ^2/NDF : 2084935.7/19

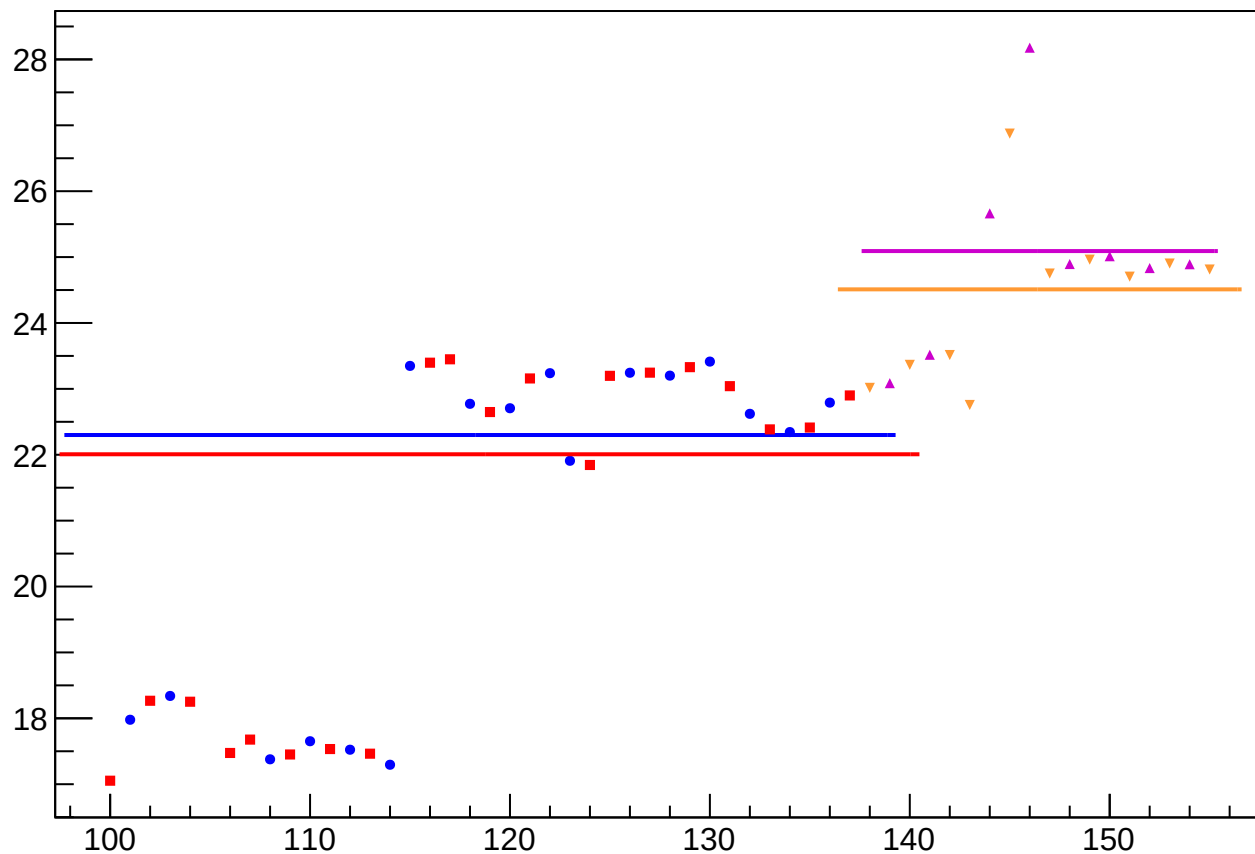
Left In: 0.011+/-0.000 χ^2/NDF :392576.3/7

0.011 $\pm$ 0.000 χ^2 /NDF: 2865583.9/26

0.012+/-0.000 χ^2/NDF : 5675662.2/54

0.012+/-0.000 χ^2/NDF : 2756563.1/27

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.300+/-0.000 χ^2/NDF : 938398636.8/16

Left Out: 24.510+/-0.000 χ^2/NDF : 825221517.0/9

Right Out: 22.007+/-0.000 χ^2/NDF : 1068683102.9/19

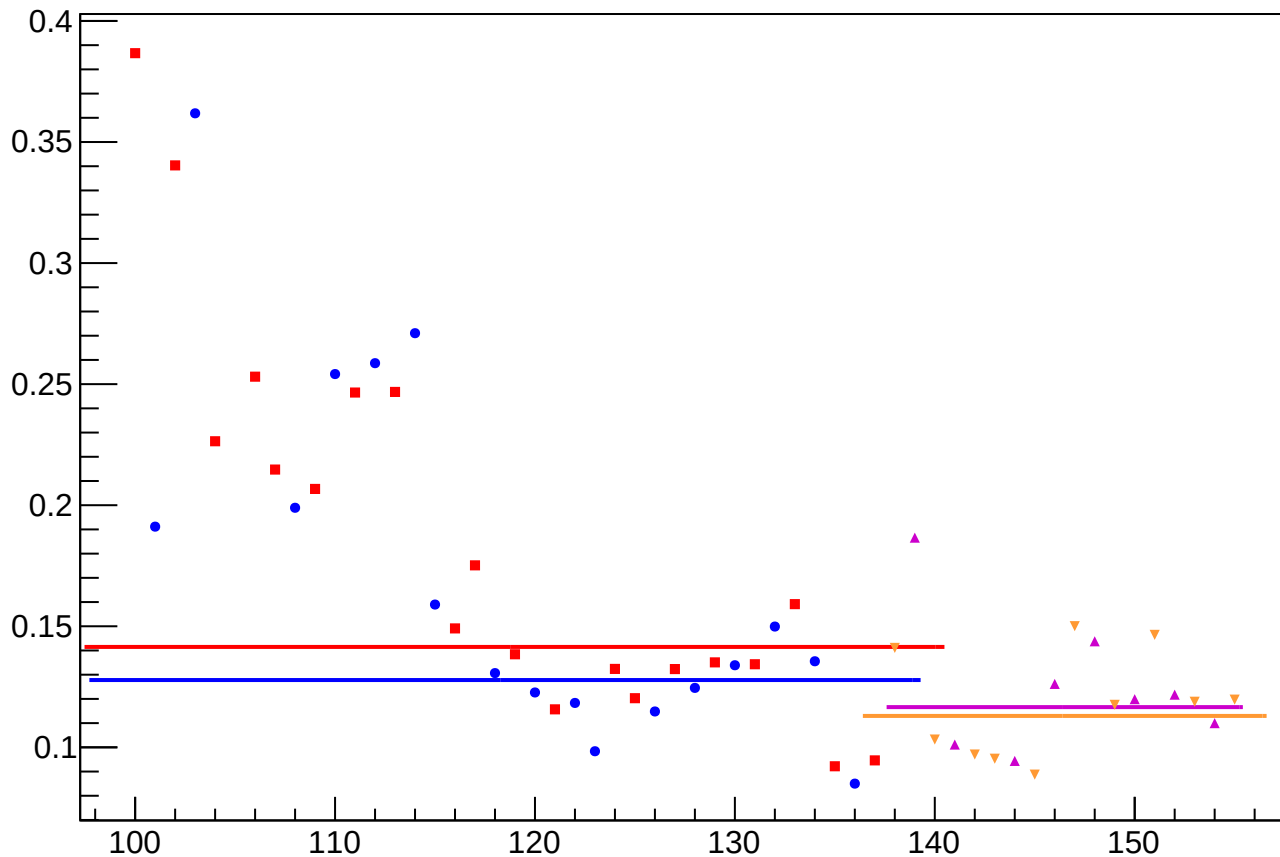
Left In: 25.091+/-0.000 χ^2/NDF : 696749734.4/7

23.641+/-0.000 χ^2/NDF : 2682208418.5/26

23.735+/-0.000 χ^2/NDF : 6031494730.3/5

23.844+/-0.000 χ^2/NDF : 3334309183.8/27

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.128 $\pm$ 0.000 χ^2 /NDF: 1492109.7/16

Left Out: 0.113 $\pm$ 0.000 χ^2 /NDF:381609.1/9

Right Out: 0.141 $\pm$ 0.000 χ^2 /NDF: 1452162.4/19

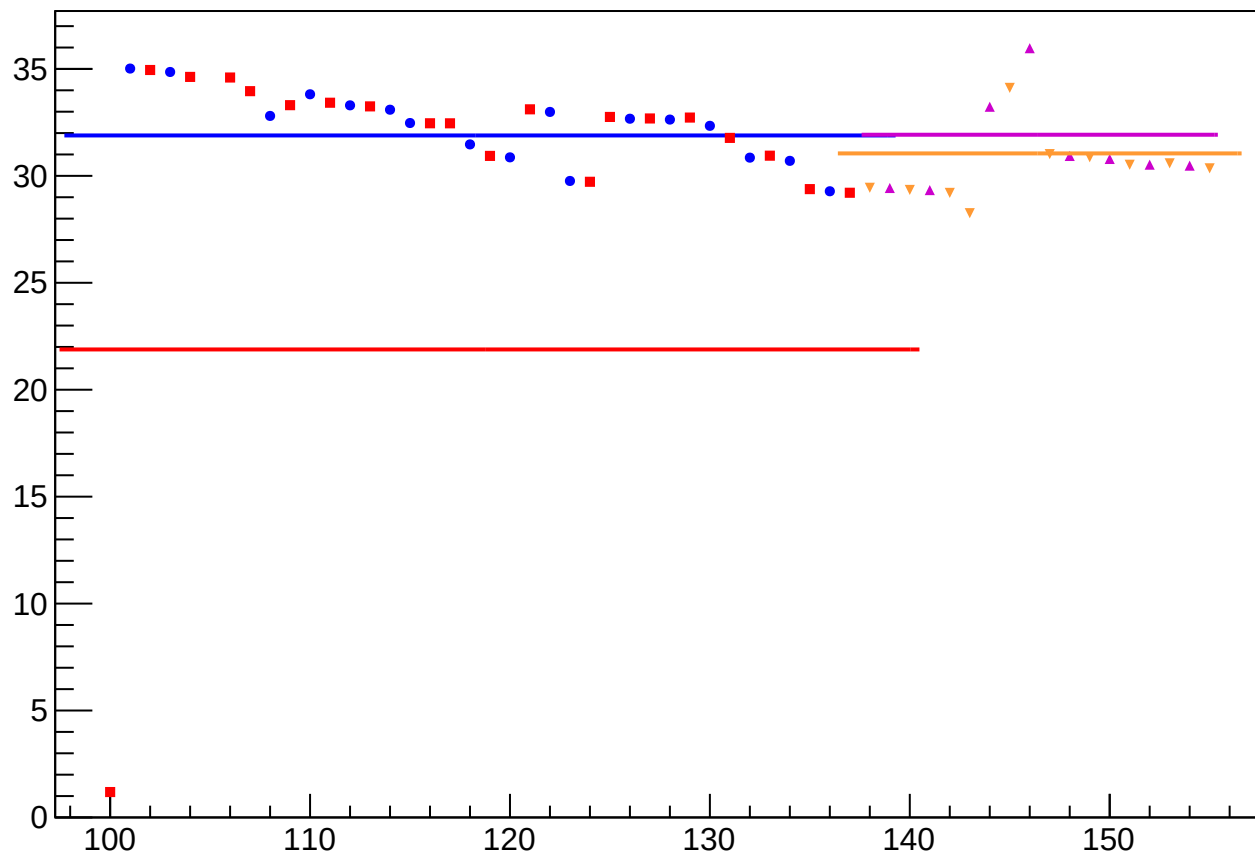
Left In: 0.117 $\pm$ 0.000 χ^2 /NDF:383056.8/7

0.119 $\pm$ 0.000 χ^2 /NDF: 1956289.4/26

0.122 $\pm$ 0.000 χ^2 /NDF: 4040752.1/54

0.127 $\pm$ 0.000 χ^2 /NDF: 2039055.5/27

yield_sam3_mean vs Slug, Sign Corrected



Right In: 31.889+/-0.000 χ^2/NDF : 1930403776.3/16

Left Out: 31.049+/-0.000 χ^2/NDF : 4283721227.9/9

Right Out: 21.883+/-0.000 χ^2/NDF : 230247118310.5/19

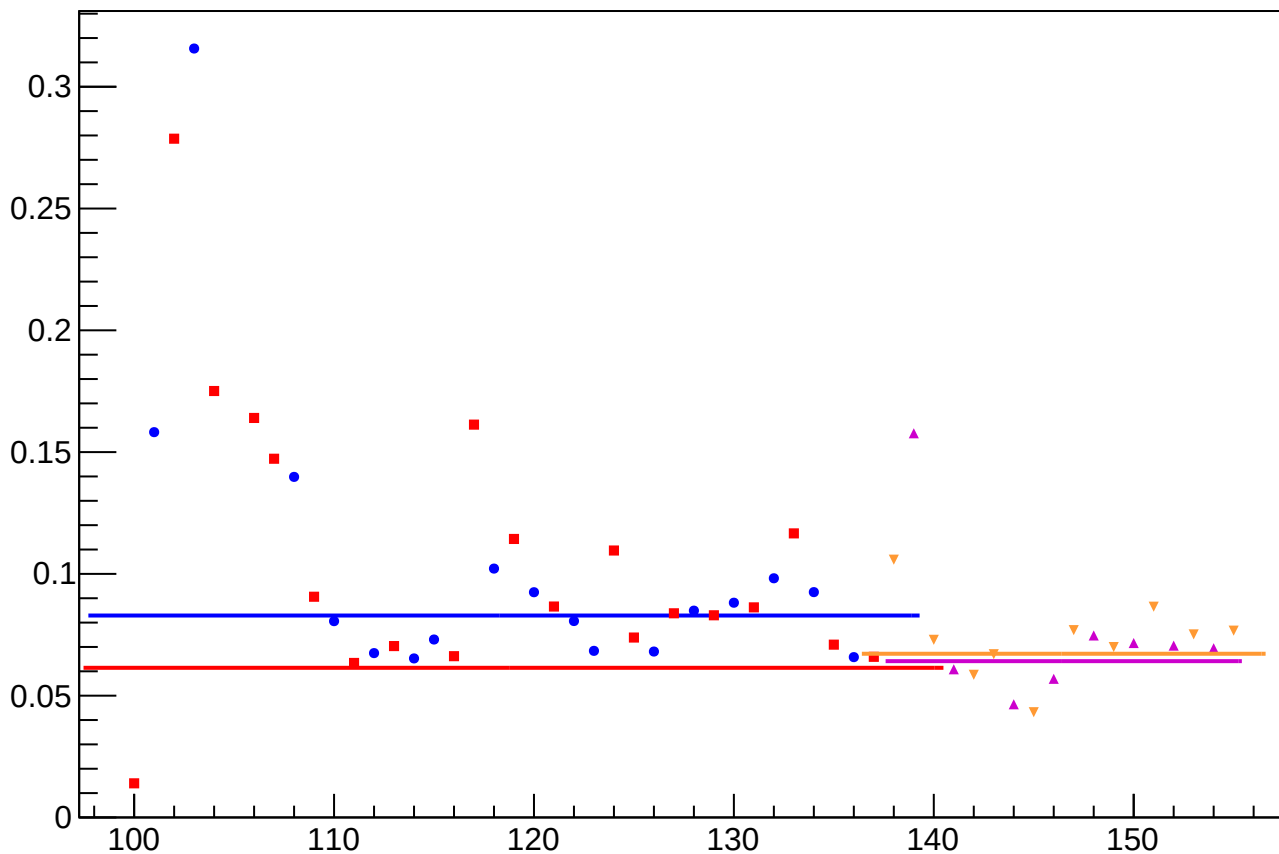
Left In: 31.922+/-0.000 χ^2/NDF : 5547255555.8/7

31.366+/-0.000 χ^2/NDF : 6527415955.6/26

29.063+/-0.000 χ^2/NDF : 316736422378.0

27.101+/-0.000 χ^2/NDF : 291633223373.9/27

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.083 ± 0.000 $\chi^2/\text{NDF}: 1164452.3/16$

Left Out: 0.067 ± 0.000 $\chi^2/\text{NDF}: 624199.1/9$

Right Out: 0.061 ± 0.000 $\chi^2/\text{NDF}: 3635656.2/19$

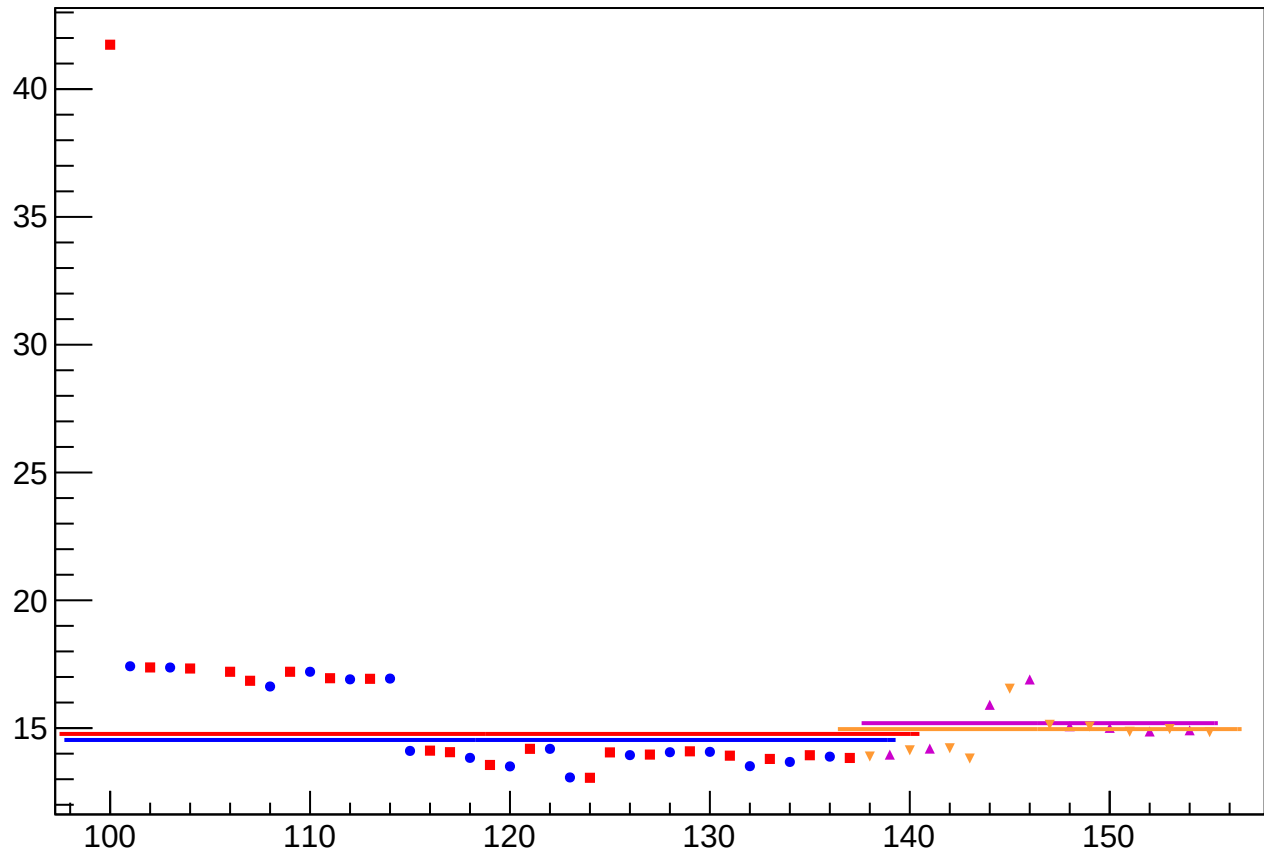
Left In: 0.064 ± 0.000 $\chi^2/\text{NDF}: 752251.2/7$

0.073 ± 0.000 $\chi^2/\text{NDF}: 2007457.3/26$

0.068 ± 0.000 $\chi^2/\text{NDF}: 6618867.4/54$

0.063 ± 0.000 $\chi^2/\text{NDF}: 4396158.1/27$

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.536 $\pm$ 0.000 χ^2 /NDF: 1470499792.7/16

Left Out: 14.961 $\pm$ 0.000 χ^2 /NDF: 946947962.9/9

Right Out: 14.772 $\pm$ 0.000 χ^2 /NDF: 1887789052.4/19

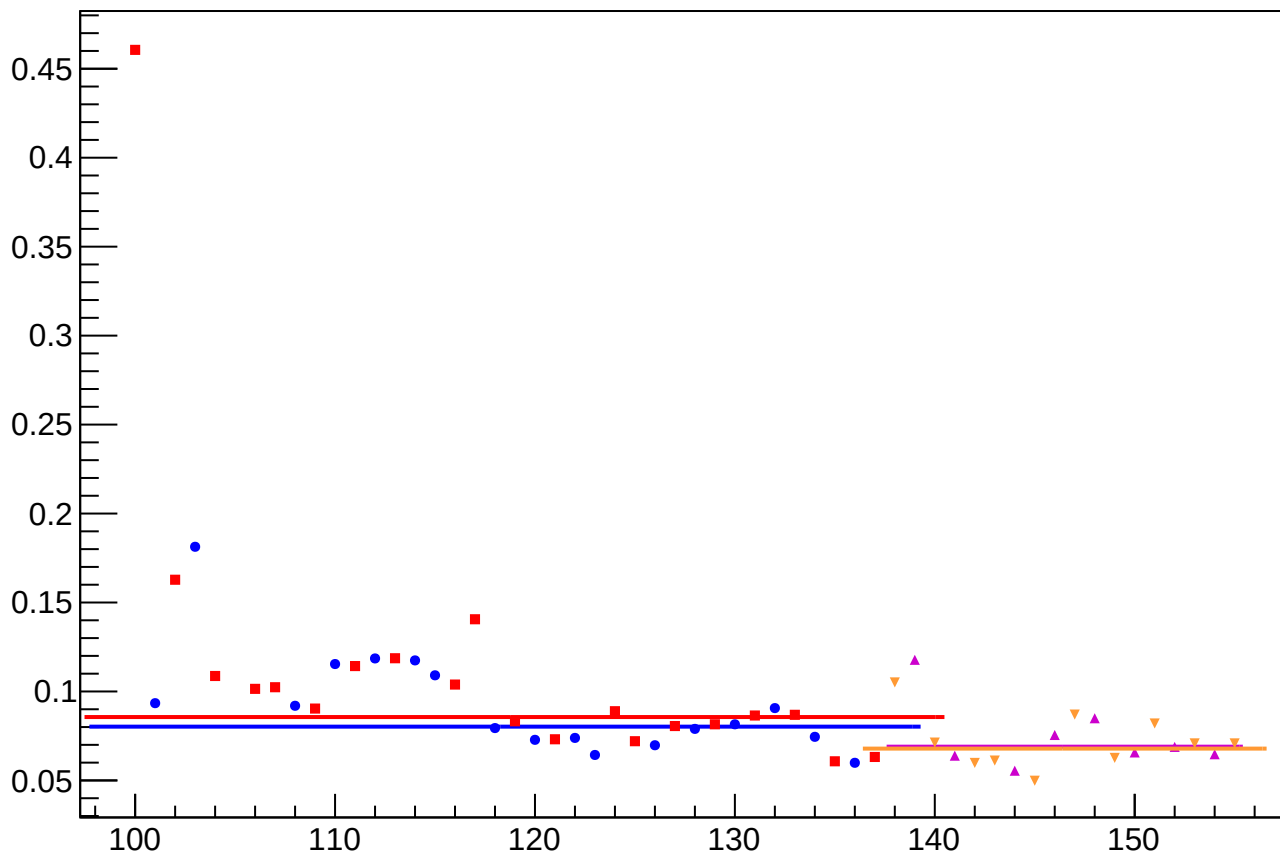
Left In: 15.193 $\pm$ 0.000 χ^2 /NDF: 720490679.4/7

14.790 $\pm$ 0.000 χ^2 /NDF: 2510115298.3/26

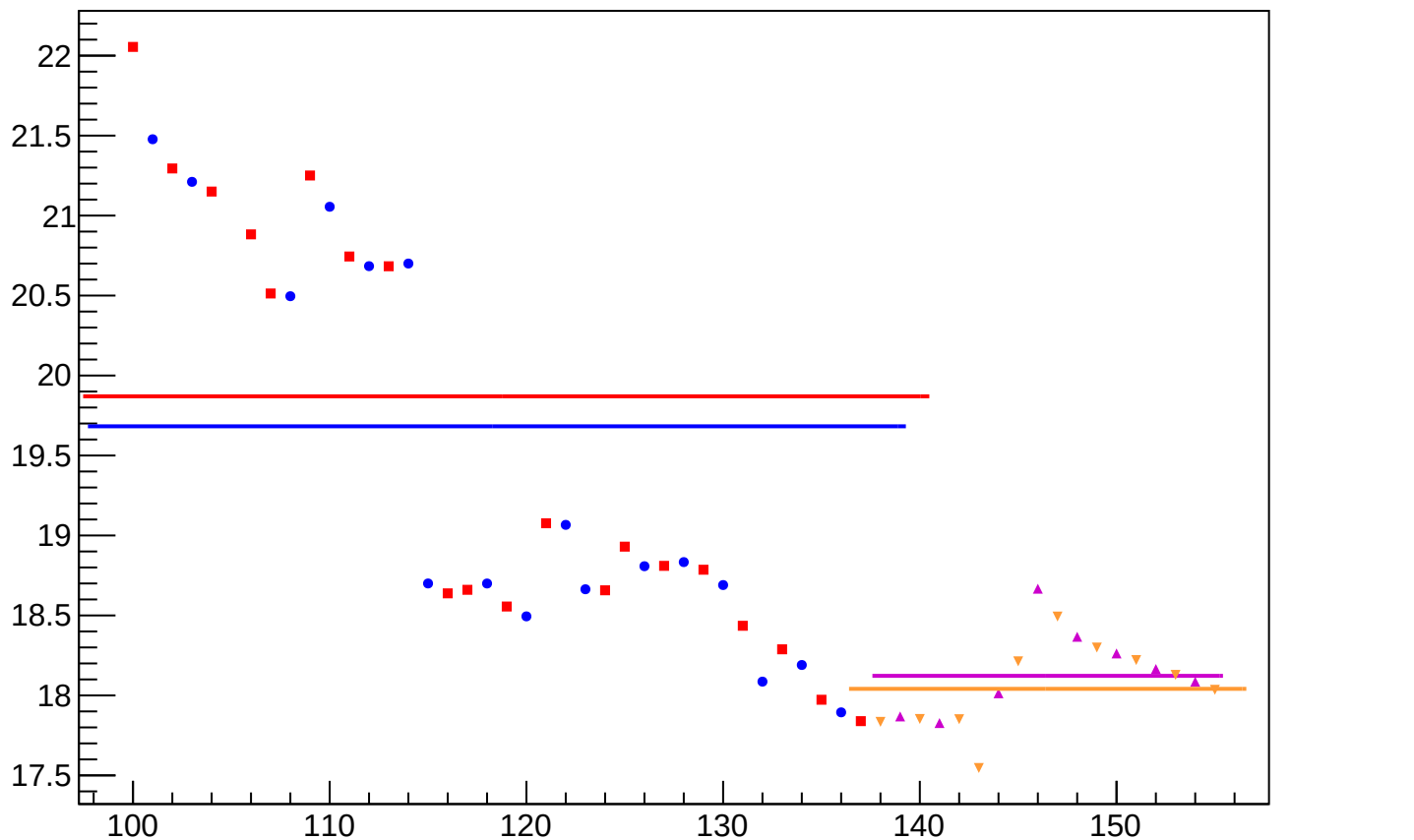
14.898 $\pm$ 0.000 χ^2 /NDF: 5254743335.3/5

15.018 $\pm$ 0.000 χ^2 /NDF: 2691762003.9/27

yield_sam4_rms vs Slug, Sign Corrected



yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.683 $\pm$ 0.000 χ^2/NDF : 12276801857.2/16

Left Out: 18.041 $\pm$ 0.000 χ^2/NDF : 397168208.7/9

Right Out: 19.870 $\pm$ 0.000 χ^2/NDF : 11333011670.6/19

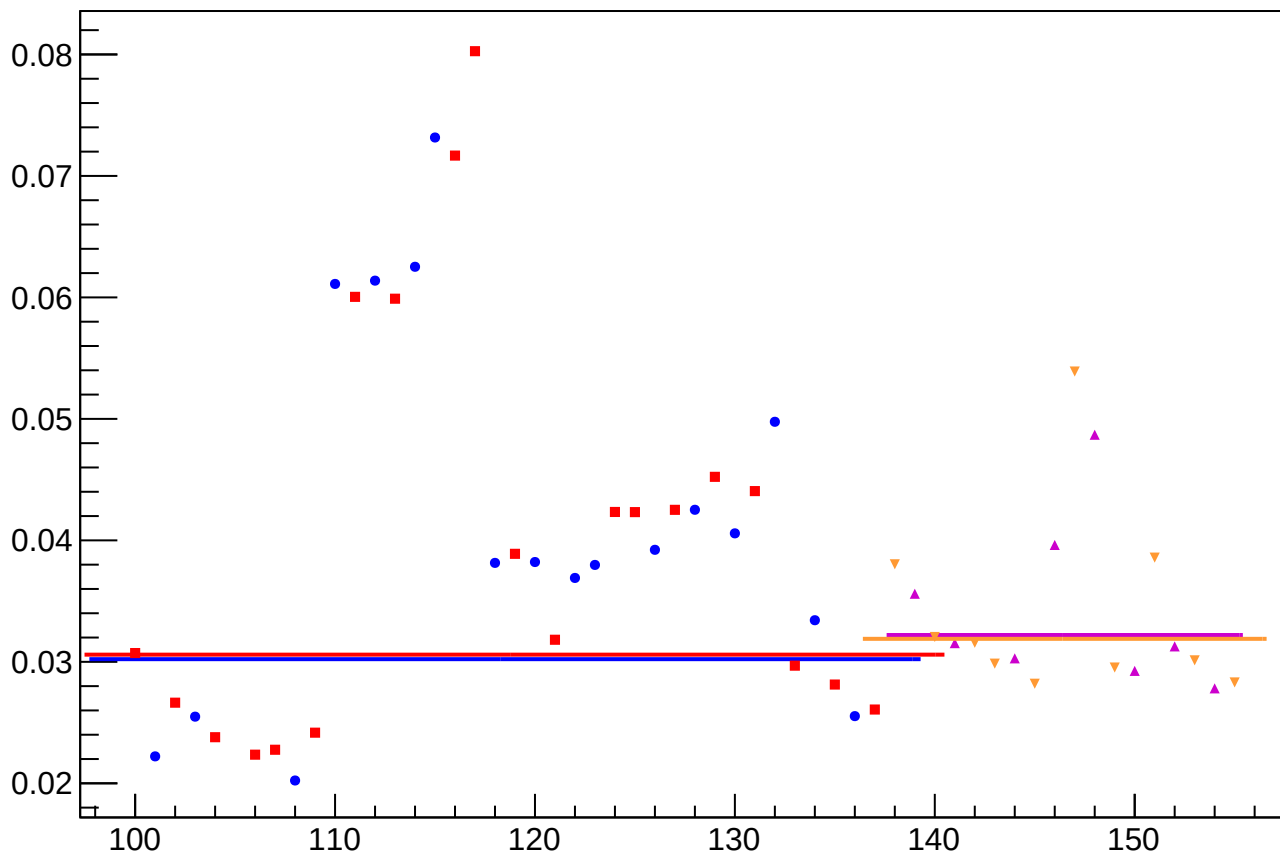
Left In: 18.122 $\pm$ 0.000 χ^2/NDF : 299886712.6/7

18.825 $\pm$ 0.000 χ^2/NDF : 21281572645.4/26

18.922 $\pm$ 0.000 χ^2/NDF : 42526544631.8/26

19.023 $\pm$ 0.000 χ^2/NDF : 20997751792.5/27

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030 $\pm$ 0.000 χ^2/NDF : 1324518.2/16

Left Out: 0.032 $\pm$ 0.000 χ^2/NDF : 401197.3/9

Right Out: 0.031 $\pm$ 0.000 χ^2/NDF : 1219224.0/19

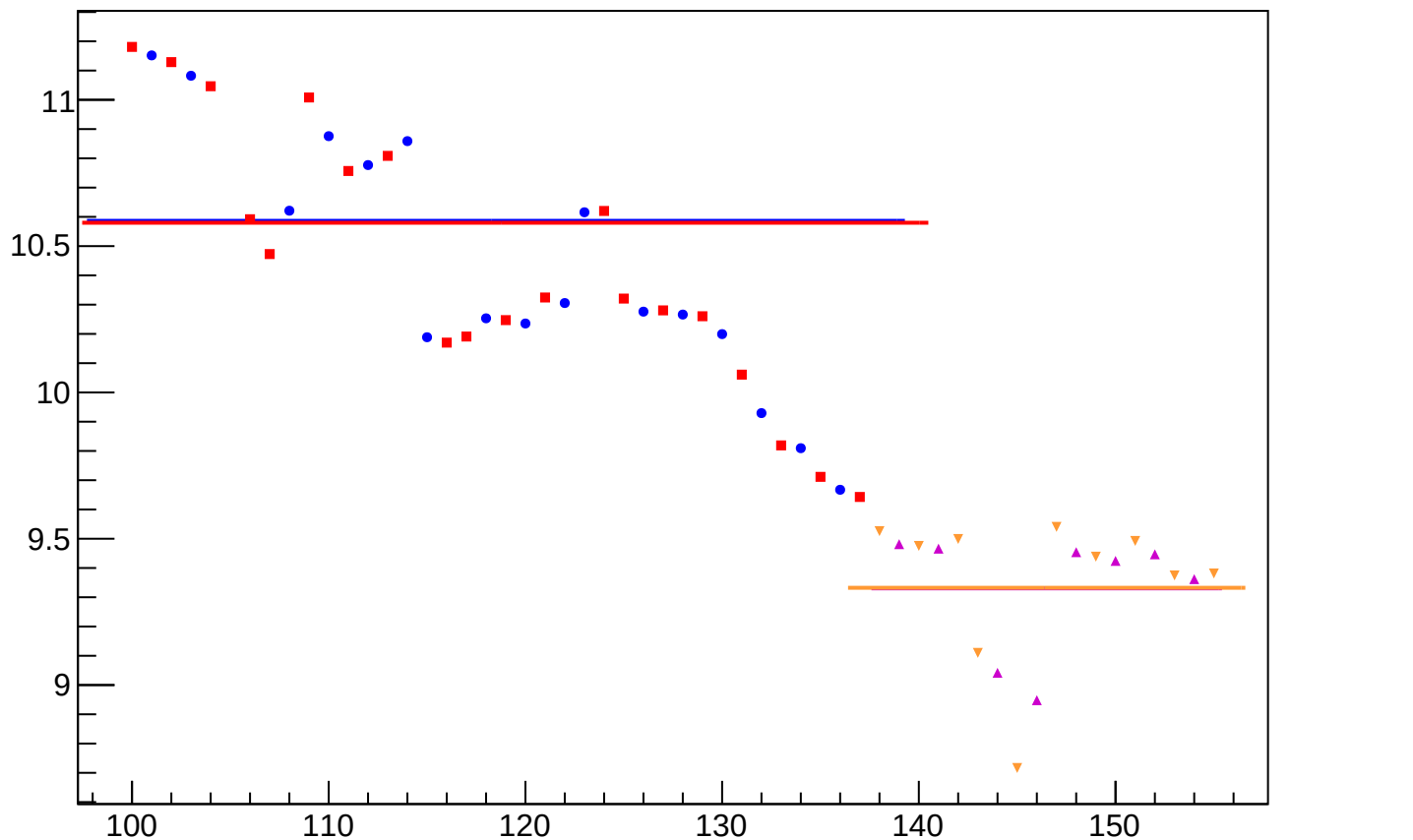
Left In: 0.032 $\pm$ 0.000 χ^2/NDF : 307716.9/7

0.031 $\pm$ 0.000 χ^2/NDF : 1743618.1/26

0.031 $\pm$ 0.000 χ^2/NDF : 3287568.5/54

0.031 $\pm$ 0.000 χ^2/NDF : 1542964.6/27

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.586+/-0.000 χ^2/NDF : 7420104563.4/16

Left Out: 9.332+/-0.000 χ^2/NDF : 1040096435.4/9

Right Out: 10.580+/-0.000 χ^2/NDF : 5769007164.9/19

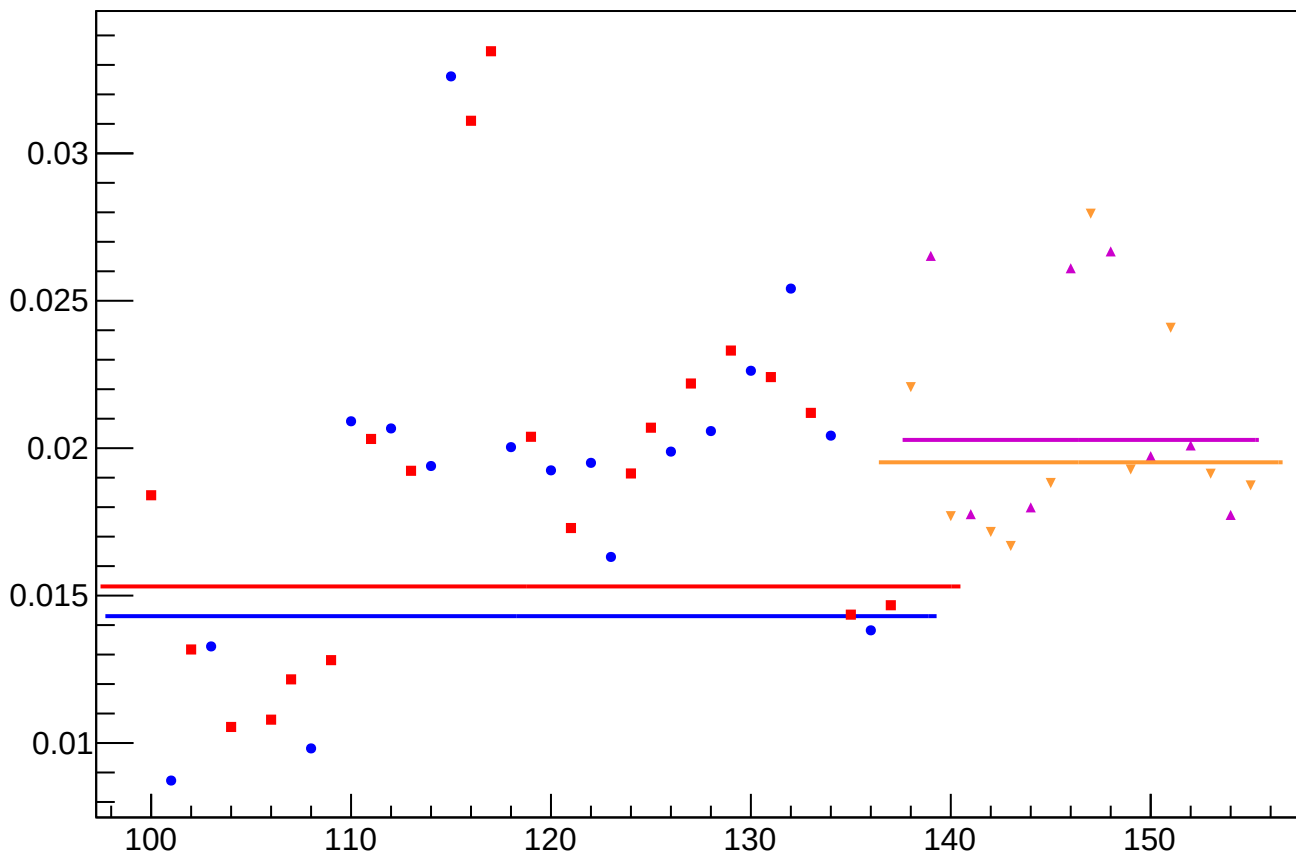
Left In: 9.330+/-0.000 χ^2/NDF : 485388167.5/7

10.087+/-0.000 χ^2/NDF : 24777692299.9/26

10.106+/-0.000 χ^2/NDF : 45369033498.4/27

10.127+/-0.000 χ^2/NDF : 20556755658.1/27

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1408012.0/16

Left Out: 0.020+/-0.000 χ^2/NDF : 276745.6/9

Right Out: 0.015+/-0.000 χ^2/NDF : 1011477.2/19

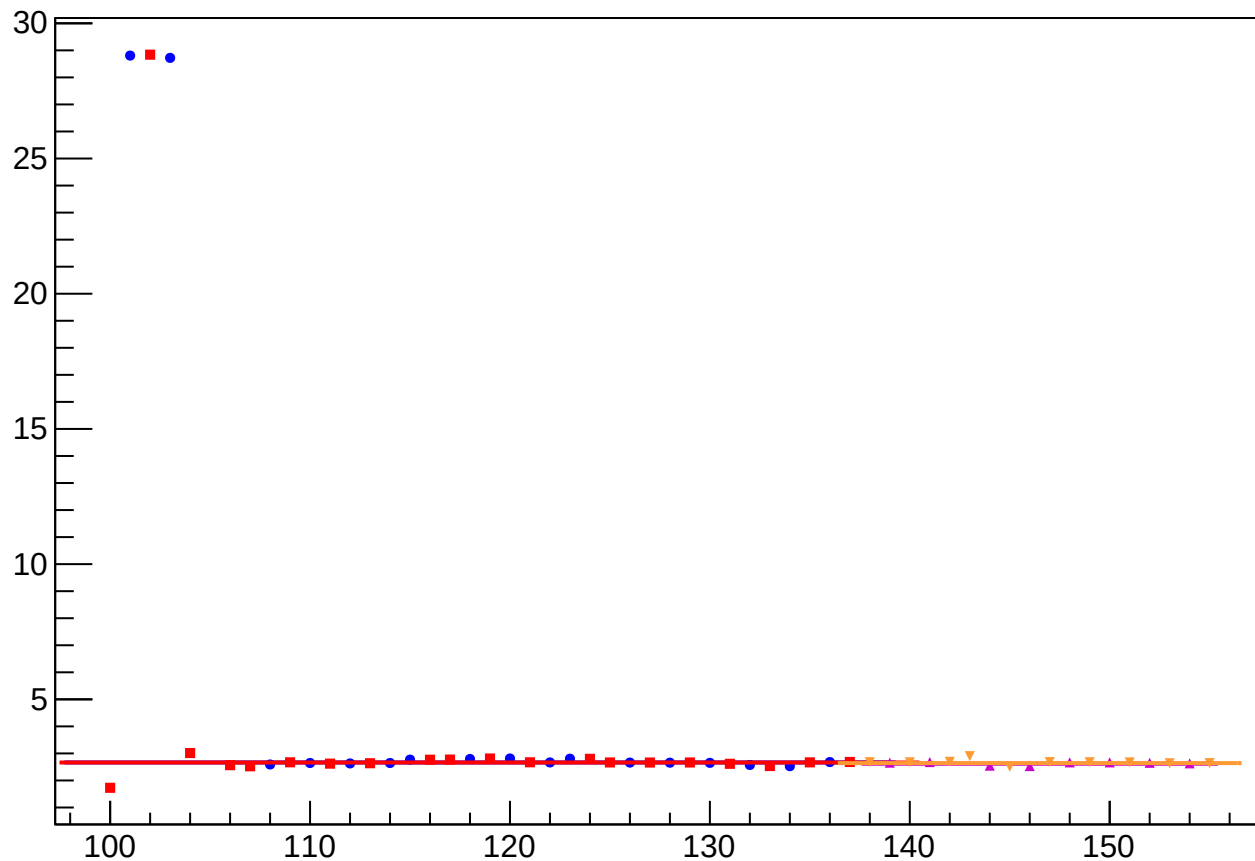
Left In: 0.020+/-0.000 χ^2/NDF : 327775.2/7

0.016+/-0.000 χ^2/NDF : 2249869.2/26

0.017+/-0.000 χ^2/NDF : 4063628.6/54

0.017+/-0.000 χ^2/NDF : 1791832.2/27

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.666+/-0.000 χ^2/NDF : 163167327359.4/16

Left Out: 2.642+/-0.000 χ^2/NDF : 11360961939.2/9

Right Out: 2.664+/-0.000 χ^2/NDF : 70484048082.1/19

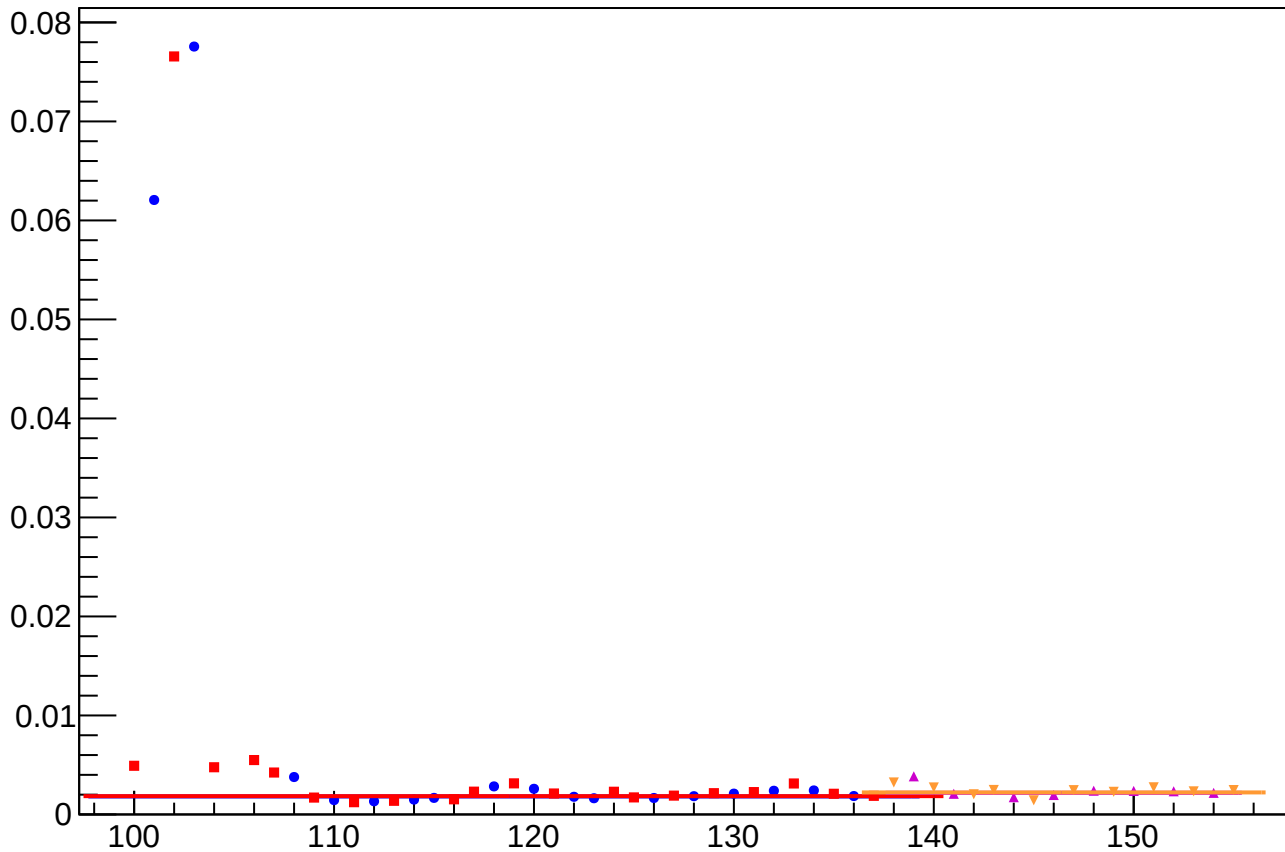
Left In: 2.619+/-0.000 χ^2/NDF : 3822390258.3/7

2.655+/-0.000 χ^2/NDF : 174885808187.3/26

2.650+/-0.000 χ^2/NDF : 250611174896.1/27

2.644+/-0.000 χ^2/NDF : 75581474982.3/27

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 : 607605.1/9

Right Out: 0.002+/-0.000 χ^2/NDF : 2334243.7/19

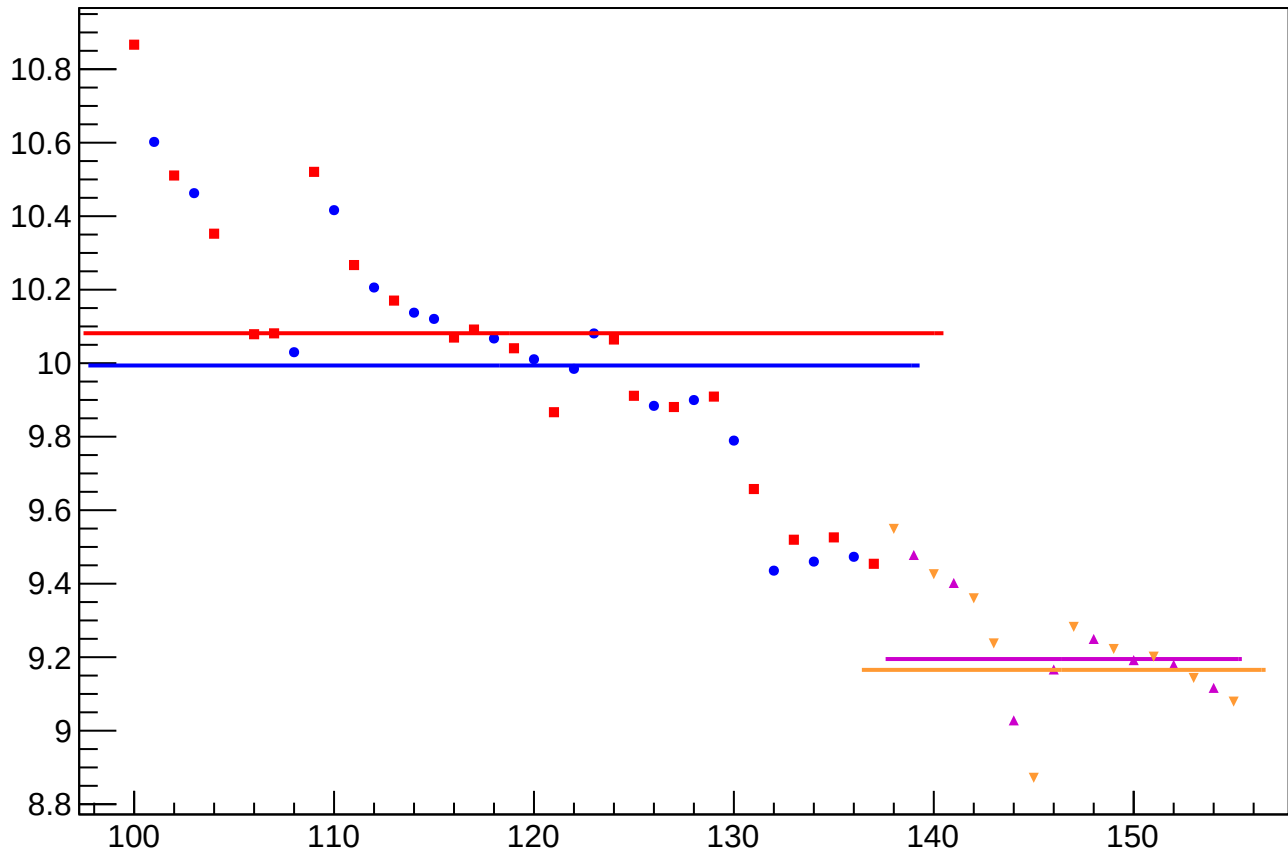
Left In: 0.002+/-0.000 χ^2/NDF : 391783.3/7

0.002+/-0.000 χ^2/NDF : 3475867.0/26

0.002+/-0.000 χ^2/NDF : 6343047.1/54

0.002+/-0.000 χ^2/NDF : 2866932.1/27

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.994 $\pm$ 0.000 χ^2/NDF : 18815741664.6/16

Left Out: 9.165 $\pm$ 0.000 χ^2/NDF : 4723891388.1/9

Right Out: 10.082 $\pm$ 0.000 χ^2/NDF : 15502760782.3/19

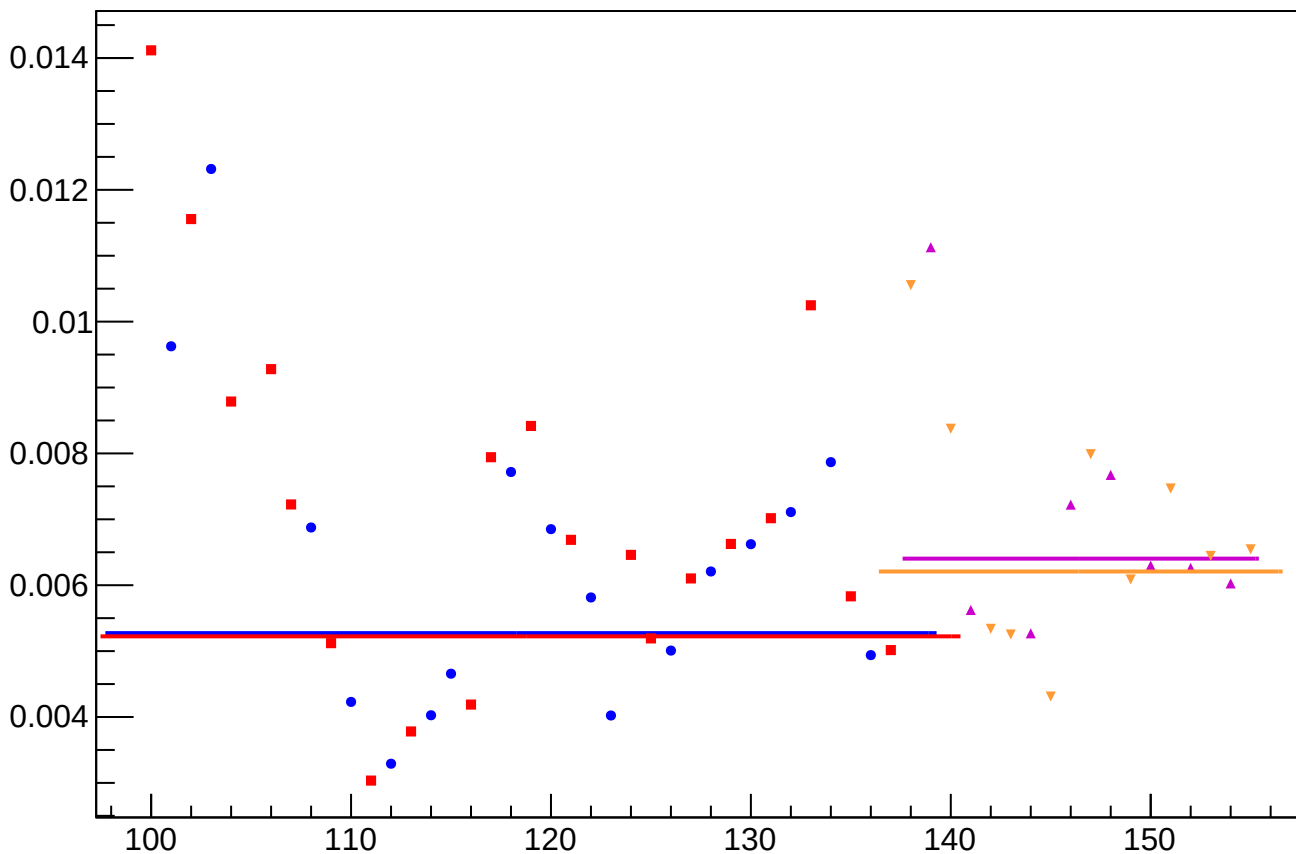
Left In: 9.195 $\pm$ 0.000 χ^2/NDF : 2031464917.8/7

9.624 $\pm$ 0.000 χ^2/NDF : 78881737905.3/26

9.676 $\pm$ 0.000 χ^2/NDF : 158477488127.5/26

9.729 $\pm$ 0.000 χ^2/NDF : 77824827960.8/27

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005 $\pm$ 0.000 χ^2 /NDF: 1245563.1/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 655215.7/9

Right Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 1667515.0/19

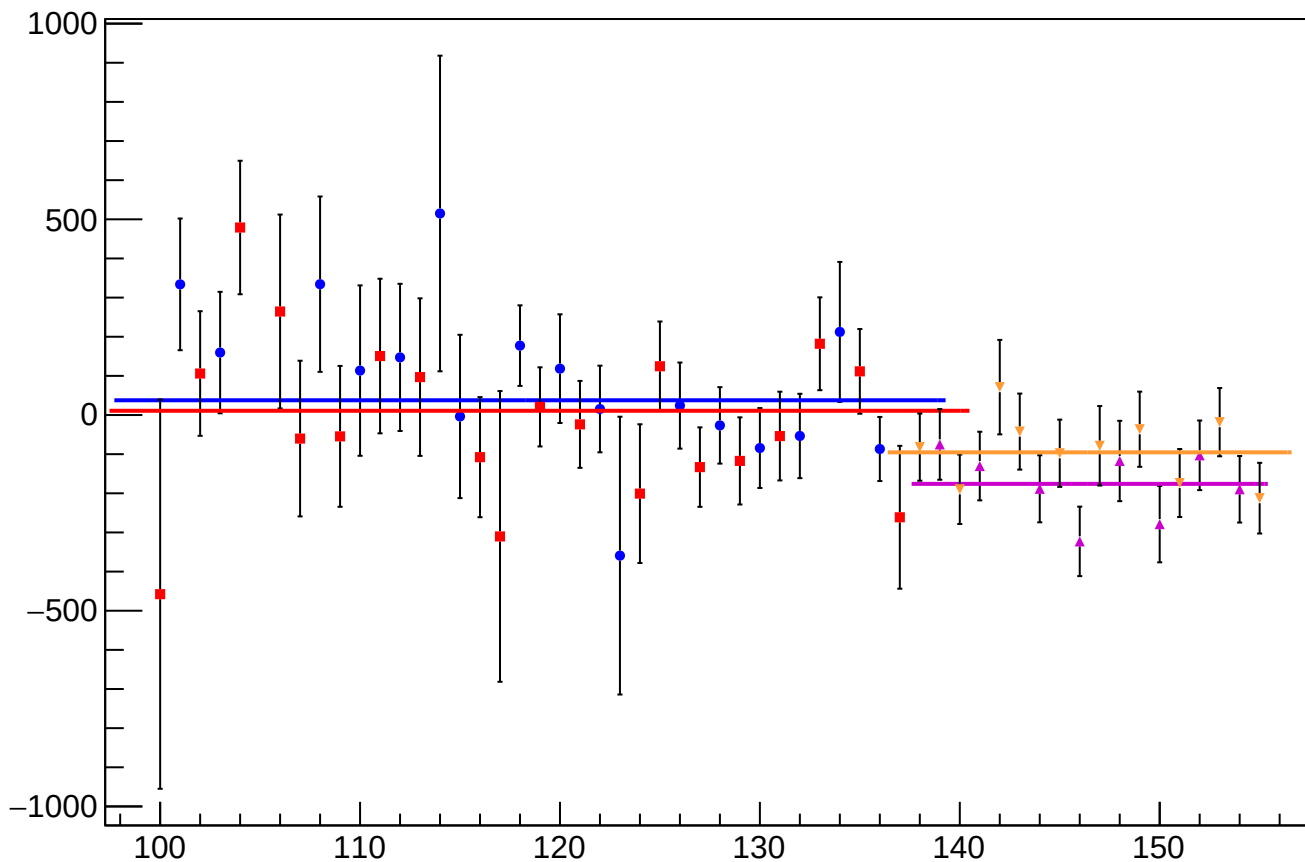
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF: 388810.3/7

0.006 $\pm$ 0.000 χ^2 /NDF: 2041855.3/26

0.006 $\pm$ 0.000 χ^2 /NDF: 4311611.6/54

0.006 $\pm$ 0.000 χ^2 /NDF: 2269753.3/27

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 37.694 $\pm$ 32.253 χ^2 /NDF: 16.7/16

Left Out: -95.354 $\pm$ 29.295 χ^2 /NDF: 7.0/9

Right Out: 10.884 $\pm$ 31.947 χ^2 /NDF: 23.5/19

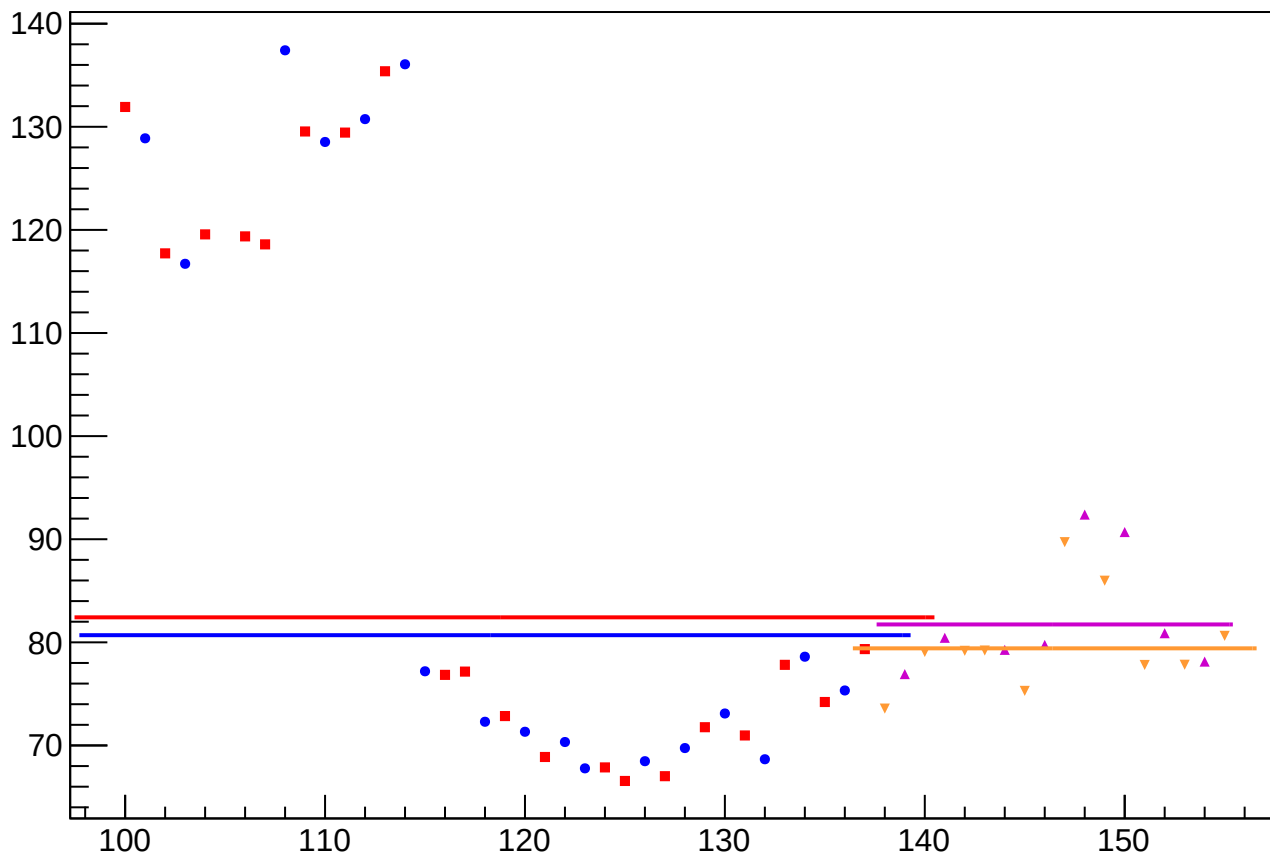
Left In: -175.900 $\pm$ 31.930 χ^2 /NDF: 6.4/7

-35.210 $\pm$ 21.685 χ^2 /NDF: 33.1/26

-57.924 $\pm$ 15.642 χ^2 /NDF: 82.3/54

-82.560 $\pm$ 22.584 χ^2 /NDF: 47.0/27

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.694+/-0.023 χ^2/NDF : 814026.4/16

Left Out: 79.418+/-0.021 χ^2/NDF : 45554.7/9

Right Out: 82.424+/-0.023 χ^2/NDF : 915282.5/19

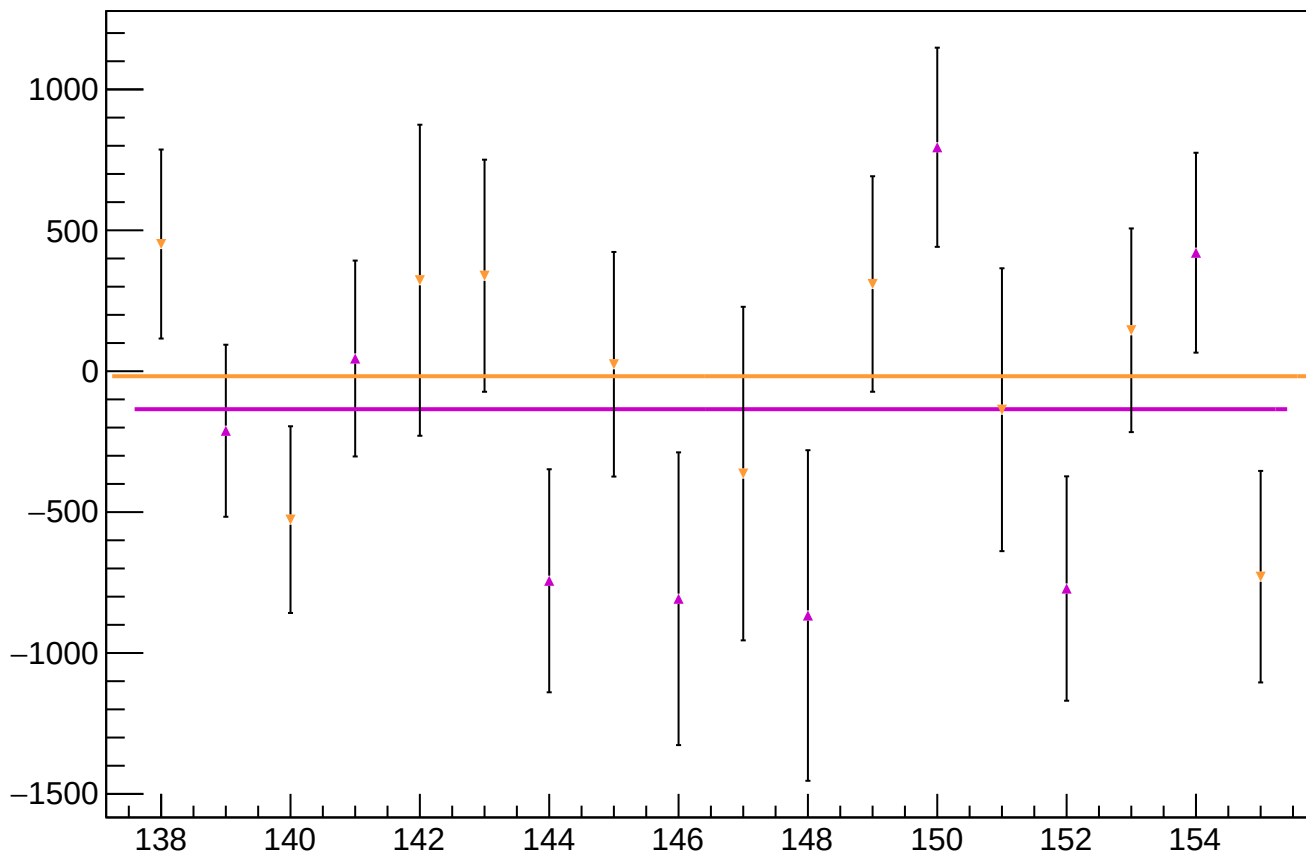
Left In: 81.735+/-0.023 χ^2/NDF : 50969.5/7

79.995+/-0.015 χ^2/NDF : 861298.2/26

80.995+/-0.011 χ^2/NDF : 1836885.2/54

82.080+/-0.016 χ^2/NDF : 966717.3/27

asym_sam1_correction_mean vs Slug, Sign Corrected



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

Left Out: -17.764+/-127.106 χ^2/NDF : 10.4/9

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

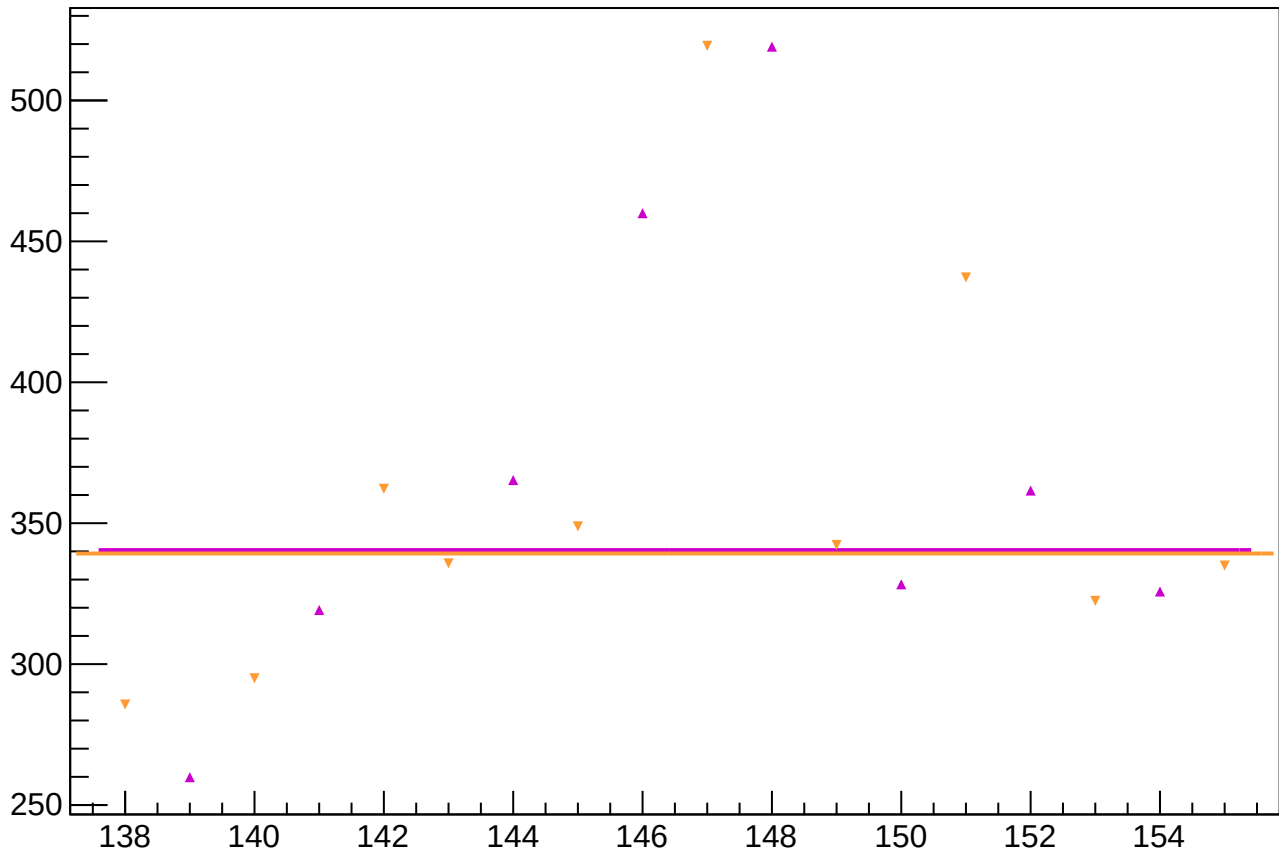
Left In: -134.749+/-135.743 χ^2/NDF : 17.9/7

-17.764+/-127.106 χ^2/NDF : 10.4/9

-72.416+/-92.781 χ^2/NDF : 28.6/17

-134.749+/-135.743 χ^2/NDF : 17.9/7

asym_sam1_correction_rms vs Slug, Sign Corrected



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

Left Out: 339.244+/-0.090 χ^2/NDF : 357654.4/9

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

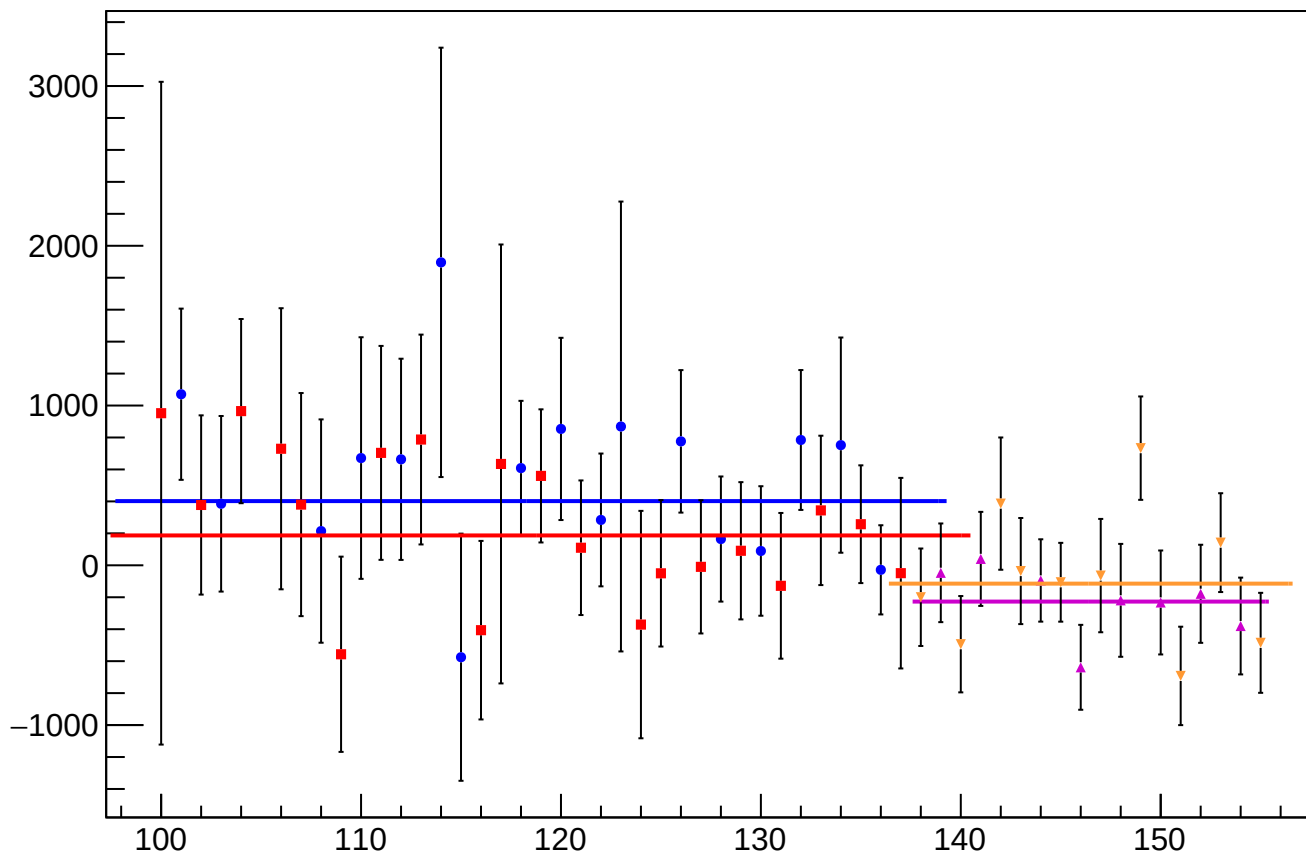
Left In: 340.456+/-0.096 χ^2/NDF : 457523.1/7

339.244+/-0.090 χ^2/NDF : 357654.4/9

339.810+/-0.066 χ^2/NDF : 815262.4/17

340.456+/-0.096 χ^2/NDF : 457523.1/7

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 401.871 $\pm$ 121.048 χ^2 /NDF: 10.9/16

Left Out: -114.727 $\pm$ 99.116 χ^2 /NDF:15.7/9

Right Out: 186.914 $\pm$ 119.879 χ^2 /NDF: 9.4/19

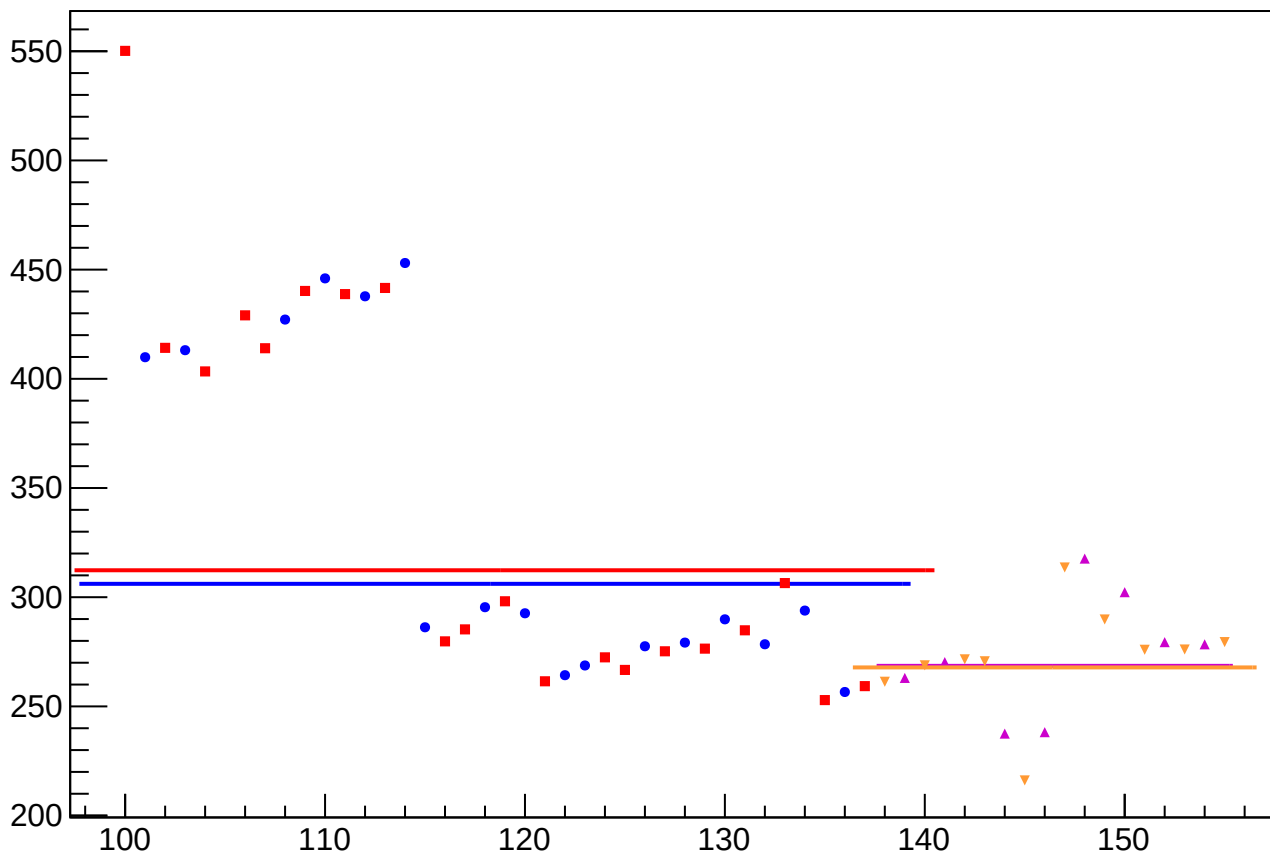
Left In: -227.097 $\pm$ 105.285 χ^2 /NDF:4.1/7

92.616 $\pm$ 76.687 χ^2 /NDF: 37.5/26

25.067 $\pm$ 55.062 χ^2 /NDF: 59.4/54

-46.812 $\pm$ 79.107 χ^2 /NDF: 20.3/27

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 306.123+/-0.086 χ^2/NDF : 508435.8/16

Left Out: 267.845+/-0.070 χ^2/NDF : 137284.5/9

Right Out: 312.335+/-0.085 χ^2/NDF : 626552.3/19

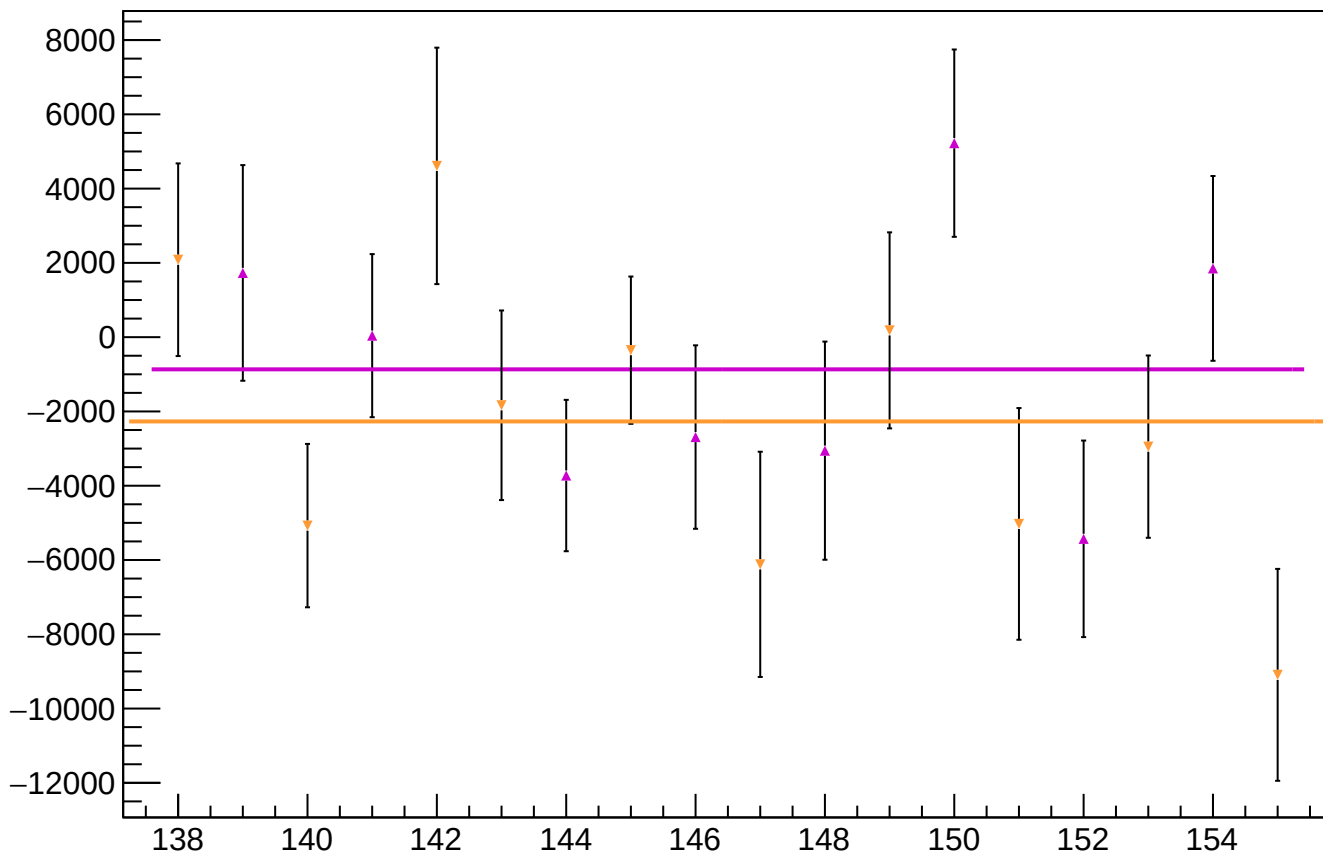
Left In: 268.564+/-0.074 χ^2/NDF : 120577.8/7

283.208+/-0.054 χ^2/NDF : 765448.4/26

285.348+/-0.039 χ^2/NDF : 1666318.3/54

287.624+/-0.056 χ^2/NDF : 897657.1/27

asym_sam2_correction_mean vs Slug, Sign Corrected



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

Left Out: -2268.983+/-814.896 χ^2/NDF :19.1/9

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

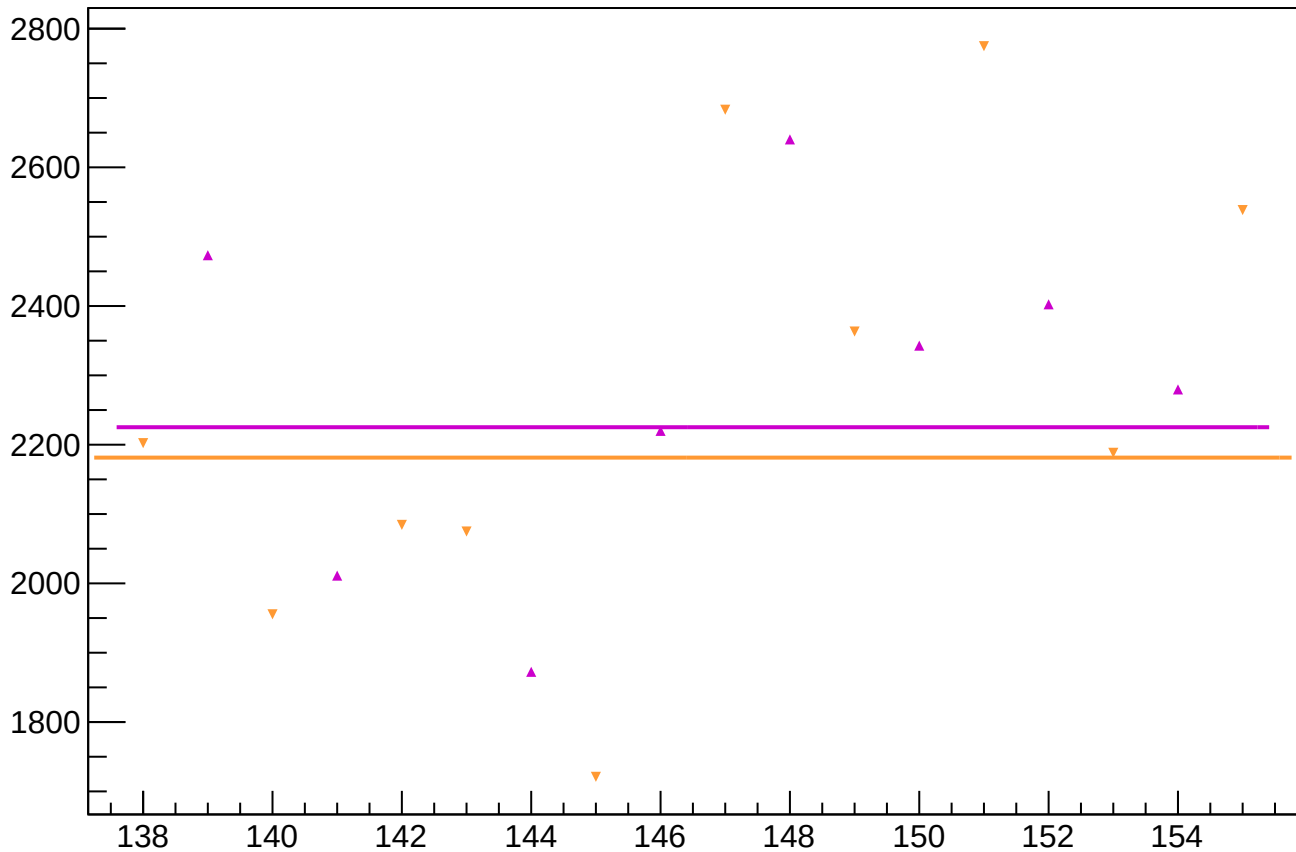
Left In: -866.674+/-874.283 χ^2/NDF :14.0/7

-2268.983+/-814.896 χ^2/NDF : 19.1/9

-1617.069+/-596.109 χ^2/NDF : 34.6/17

-866.674+/-874.283 χ^2/NDF : 14.0/7

asym_sam2_correction_rms vs Slug, Sign Corrected



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

Left Out: 2181.380+/-0.576 χ^2/NDF : 302337.7/9

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

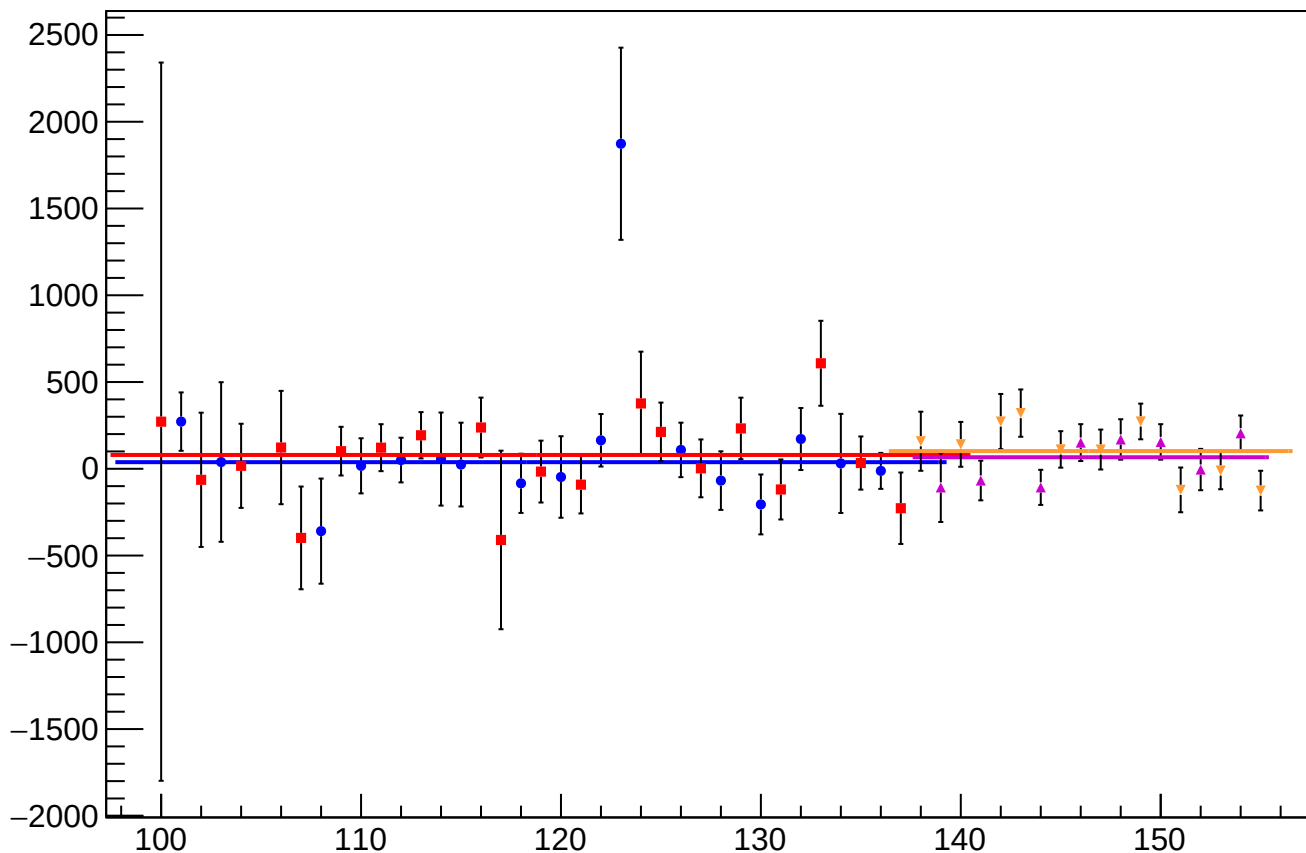
Left In: 2225.206+/-0.618 χ^2/NDF : 147760.1/7

2181.380+/-0.576 χ^2/NDF : 302337.7/9

2201.754+/-0.422 χ^2/NDF : 452787.1/17

2225.206+/-0.618 χ^2/NDF : 147760.1/7

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 38.126 ± 43.548 $\chi^2/\text{NDF}: 19.4/16$

Left Out: 101.973 ± 38.602 $\chi^2/\text{NDF}: 14.8/9$

Right Out: 79.665 ± 42.948 $\chi^2/\text{NDF}: 17.6/19$

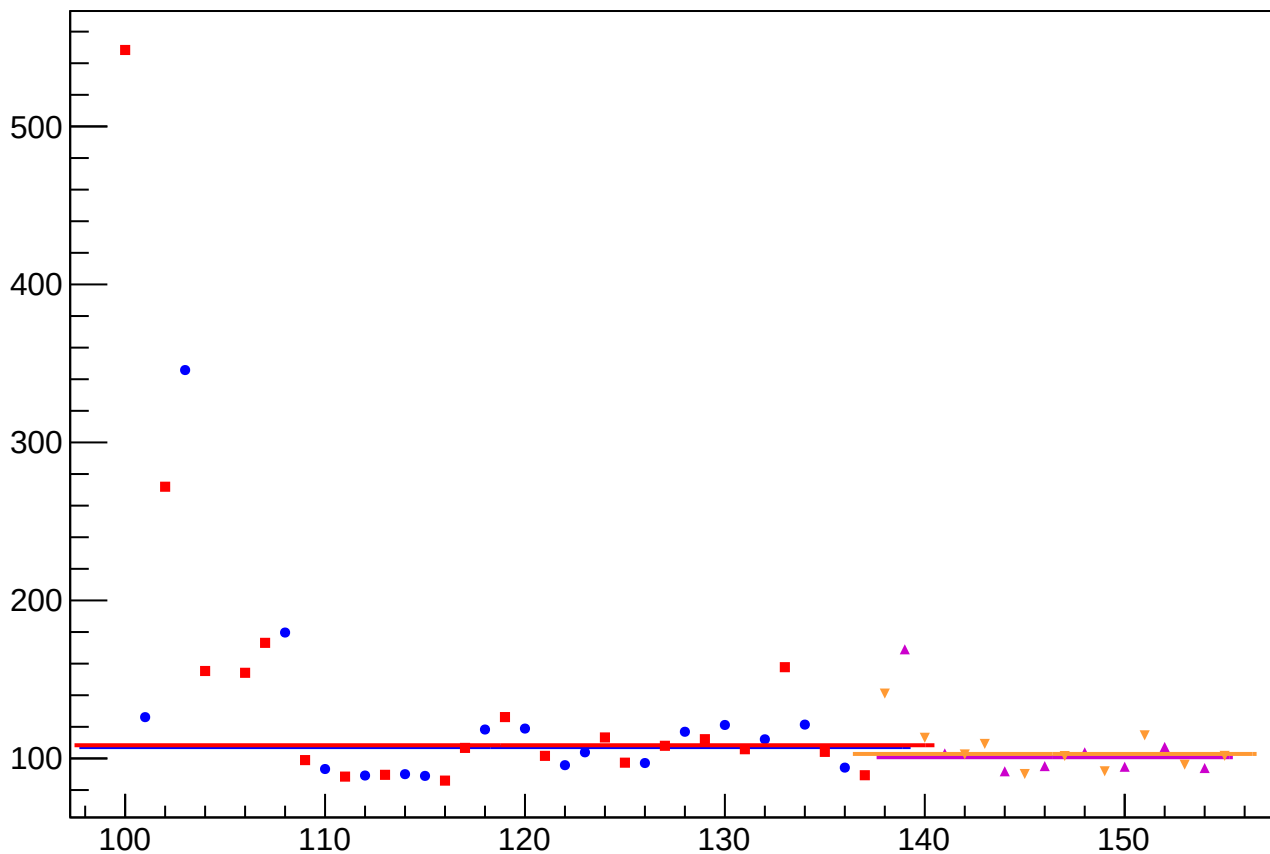
Left In: 66.524 ± 40.064 $\chi^2/\text{NDF}: 9.4/7$

73.880 ± 28.887 $\chi^2/\text{NDF}: 35.3/26$

73.268 ± 20.569 $\chi^2/\text{NDF}: 62.4/54$

72.638 ± 29.296 $\chi^2/\text{NDF}: 27.1/27$

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 107.189 ± 0.031 $\chi^2/\text{NDF}: 843115.1/16$

Left Out: 102.842 ± 0.027 $\chi^2/\text{NDF}: 194637.2/9$

Right Out: 108.347 ± 0.030 $\chi^2/\text{NDF}: 917309.2/19$

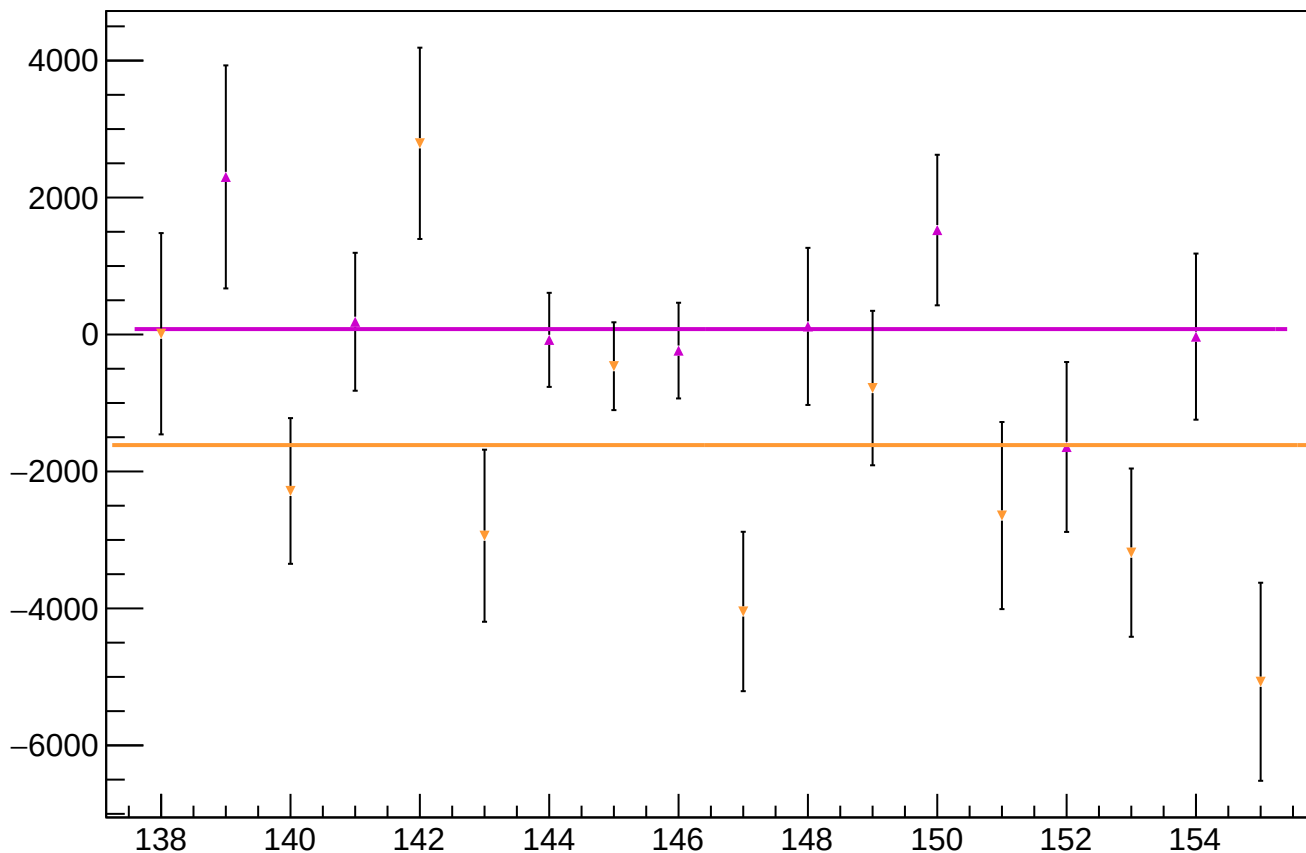
Left In: 100.770 ± 0.028 $\chi^2/\text{NDF}: 280210.8/7$

104.755 ± 0.020 $\chi^2/\text{NDF}: 1048911.2/26$

104.529 ± 0.015 $\chi^2/\text{NDF}: 2279961.9/54$

104.296 ± 0.021 $\chi^2/\text{NDF}: 1230801.8/27$

asym_sam3_correction_mean vs Slug, Sign Corrected



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

Left Out: -1614.850+/-350.809 χ^2/NDF : 28.7/9

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

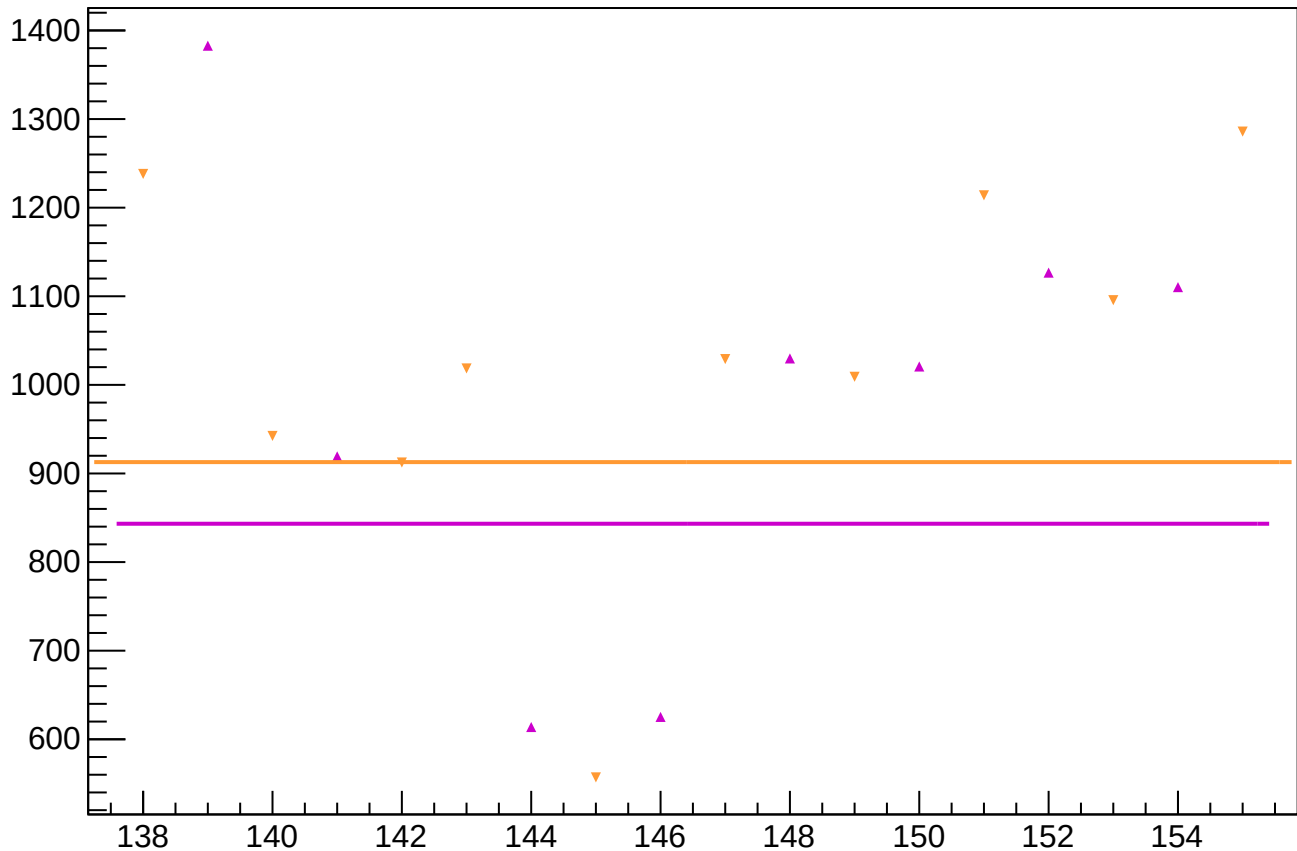
Left In: 79.060+/-344.049 χ^2/NDF : 5.8/7

-1614.850+/-350.809 χ^2/NDF : 28.7/9

-751.418+/-245.634 χ^2/NDF : 46.4/17

79.060+/-344.049 χ^2/NDF : 5.8/7

asym_sam3_correction_rms vs Slug, Sign Corrected



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

Left Out: 912.832+/-0.248 χ^2/NDF :1038695.4/9

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

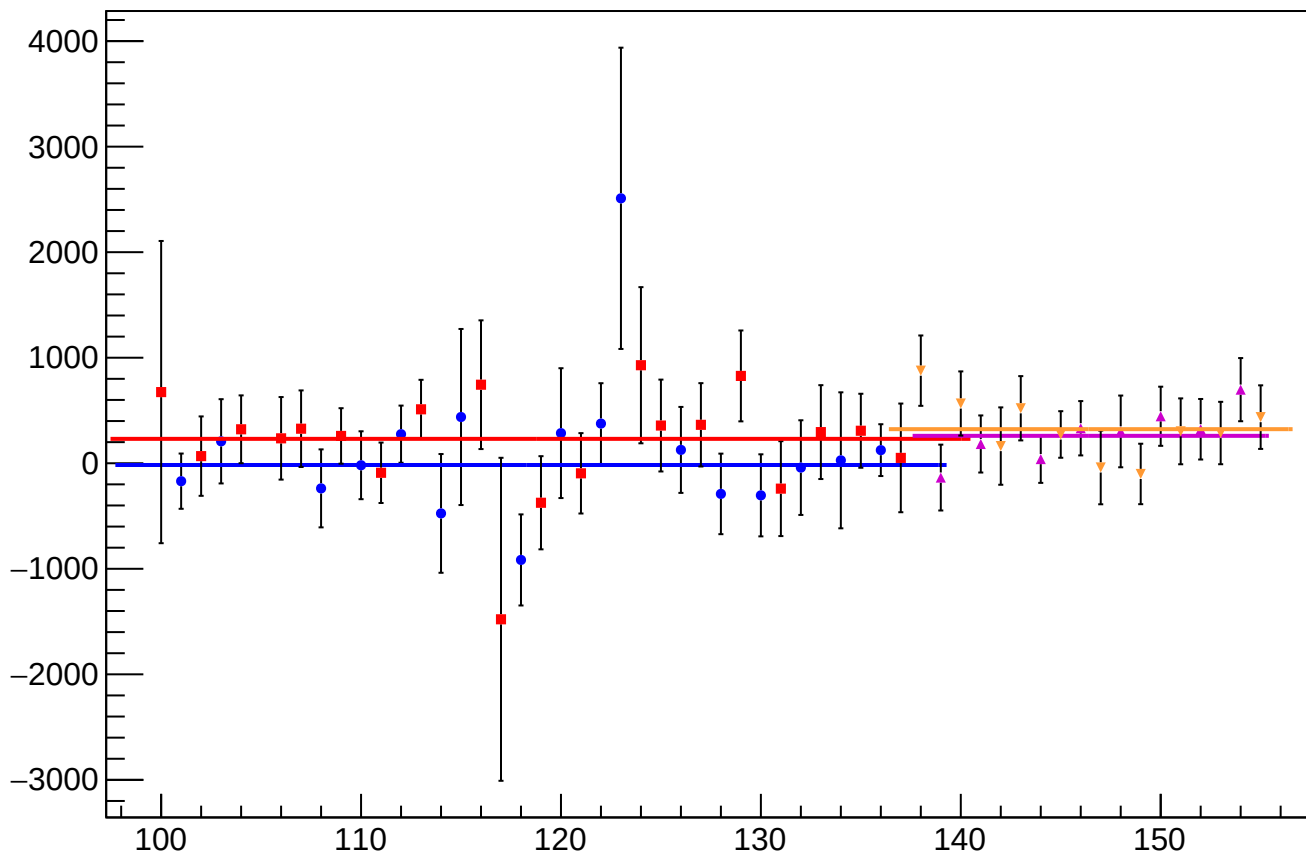
Left In: 843.268+/-0.243 χ^2/NDF :955122.7/7

912.832+/-0.248 χ^2/NDF : 1038695.4/9

877.373+/-0.174 χ^2/NDF : 2033904.3/17

843.268+/-0.243 χ^2/NDF : 955122.7/7

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -16.459 ± 93.285 χ^2/NDF : 13.4/16

Left Out: 323.059 ± 94.617 χ^2/NDF : 7.5/9

Right Out: 231.209 ± 88.787 χ^2/NDF : 11.6/19

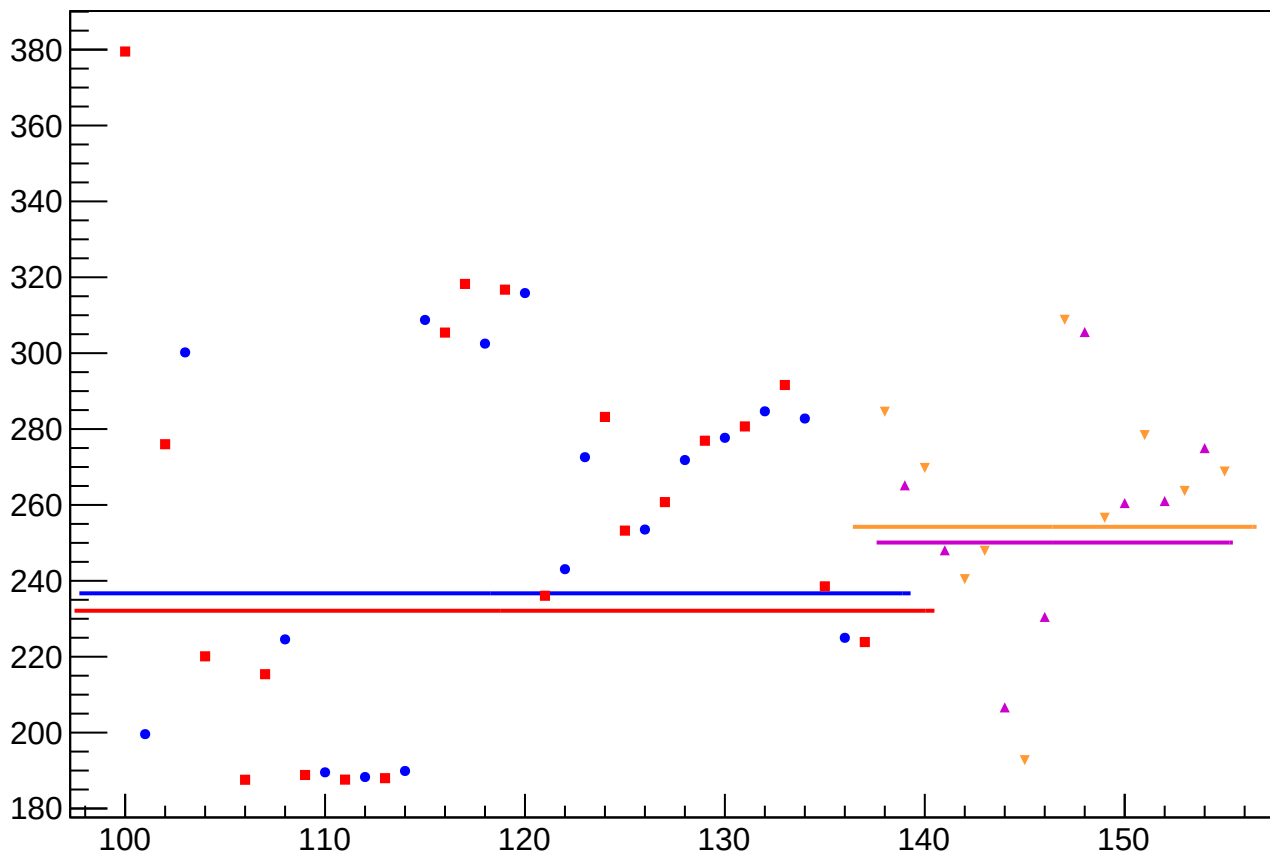
Left In: 259.860 ± 98.327 χ^2/NDF : 5.4/7

150.893 ± 66.428 χ^2/NDF : 27.5/26

197.859 ± 46.783 χ^2/NDF : 45.5/54

244.078 ± 65.897 χ^2/NDF : 17.0/27

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 236.706+/-0.066 χ^2/NDF : 390344.9/16

Left Out: 254.233+/-0.067 χ^2/NDF : 248649.0/9

Right Out: 232.119+/-0.063 χ^2/NDF : 449633.1/19

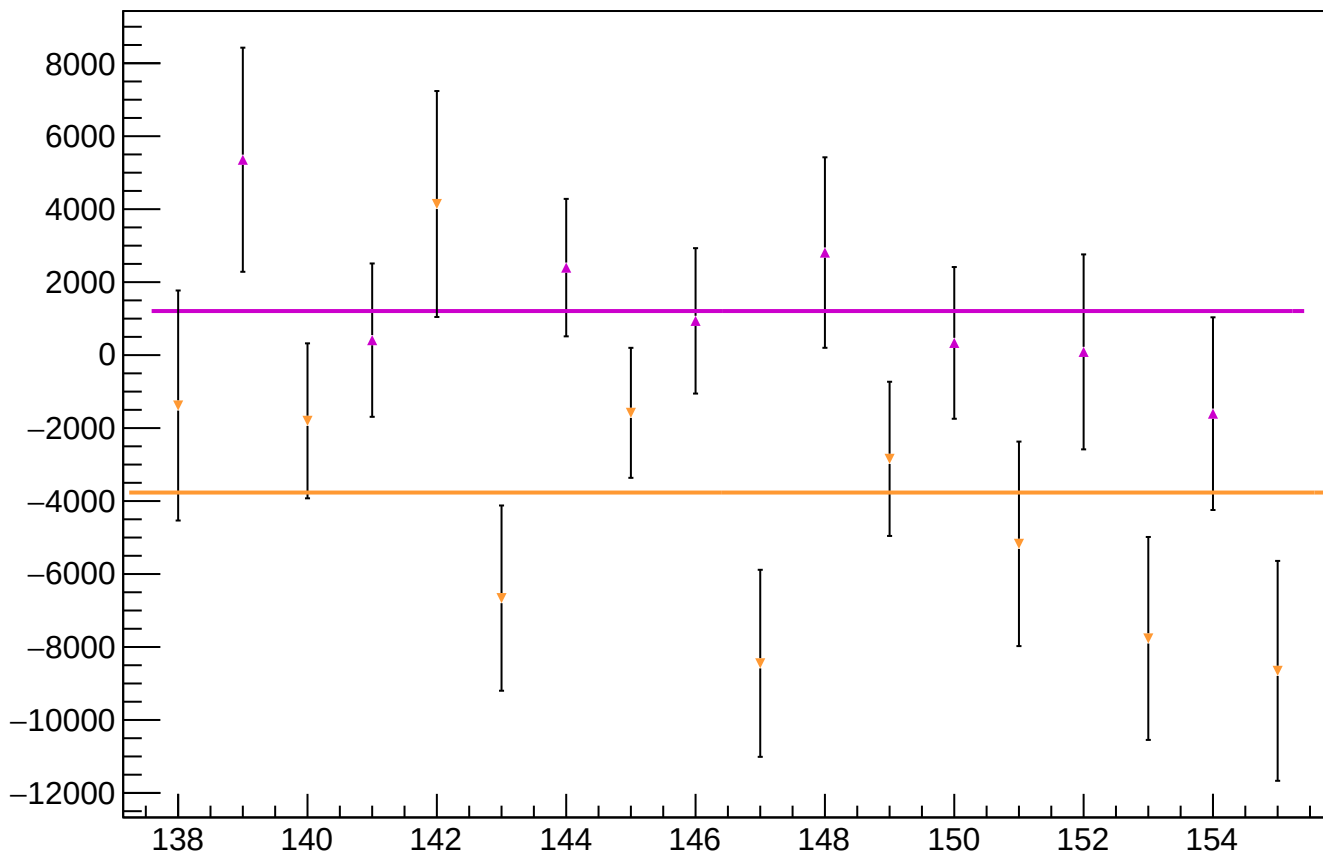
Left In: 250.093+/-0.070 χ^2/NDF : 163447.8/7

245.345+/-0.047 χ^2/NDF : 673794.3/26

242.748+/-0.033 χ^2/NDF : 1329754.1/54

240.192+/-0.047 χ^2/NDF : 649893.3/27

asym_sam4_correction_mean vs Slug, Sign Corrected



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

Left Out: -3766.645+/-780.929 χ^2/NDF :19.2/9

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

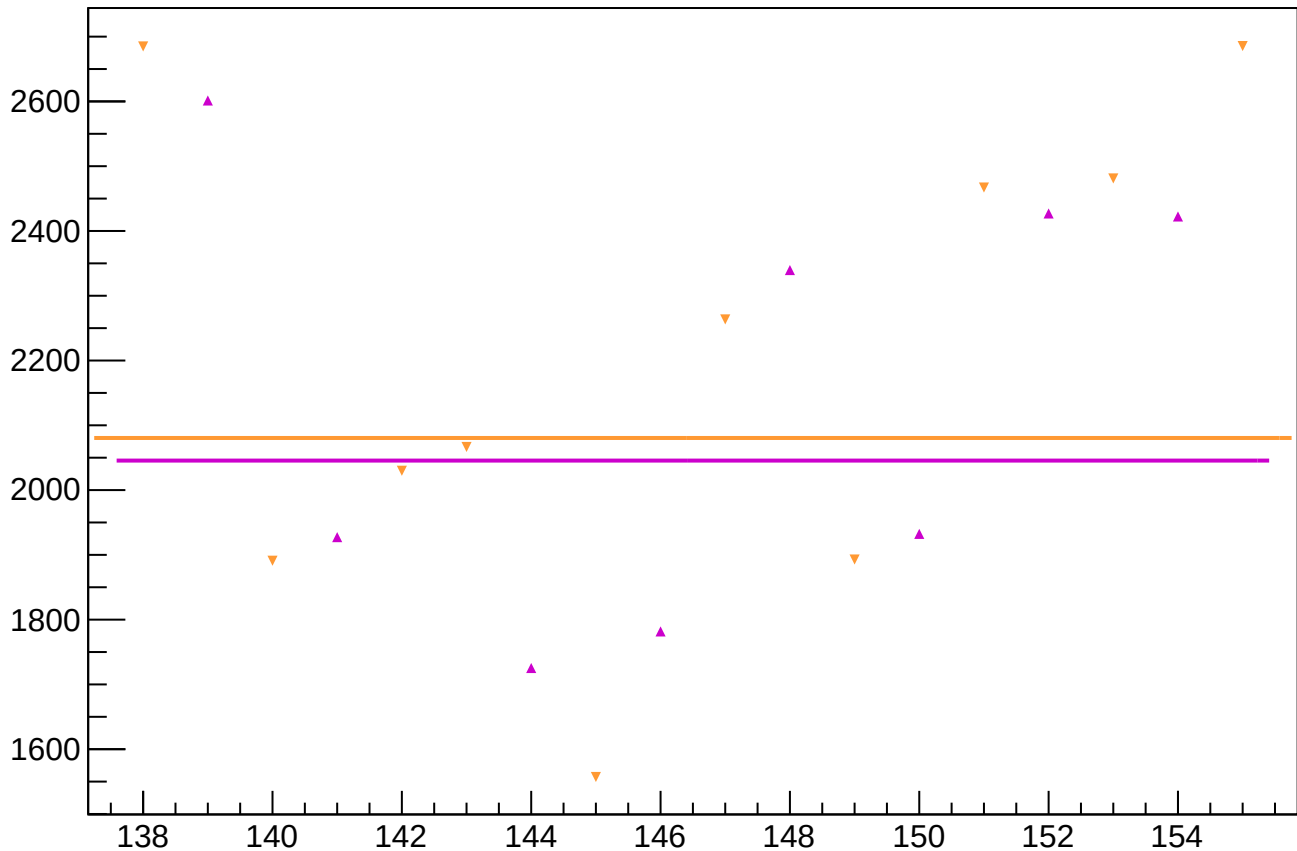
Left In: 1207.686+/-809.094 χ^2/NDF :4.2/7

-3766.645+/-780.929 χ^2/NDF : 19.2/9

-1367.568+/-561.894 χ^2/NDF : 43.0/17

1207.686+/-809.094 χ^2/NDF : 4.2/7

asym_sam4_correction_rms vs Slug, Sign Corrected



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

Left Out: 2080.447+/-0.552 χ^2/NDF : 448772.9/9

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

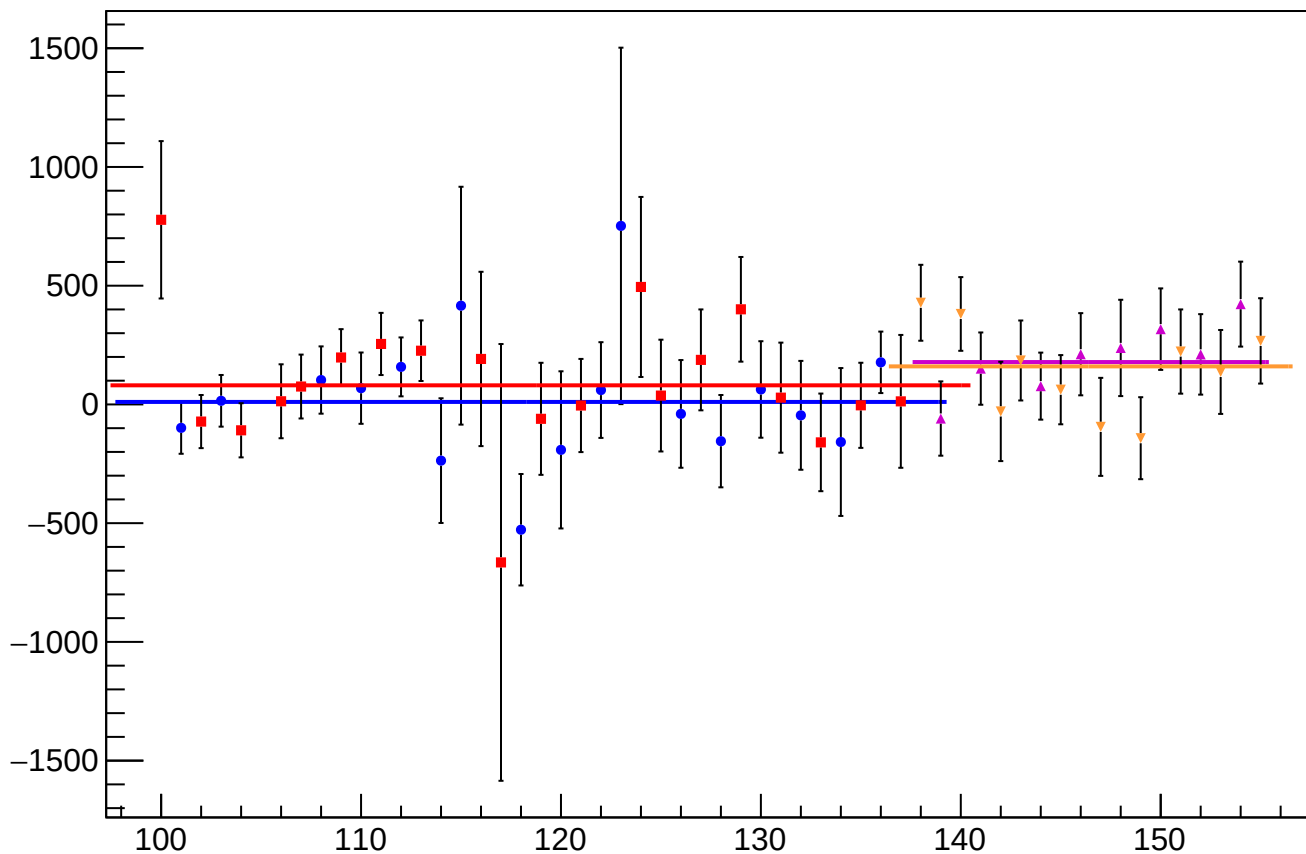
Left In: 2045.548+/-0.572 χ^2/NDF : 277462.6/7

2080.447+/-0.552 χ^2/NDF : 448772.9/9

2063.615+/-0.397 χ^2/NDF : 728161.8/17

2045.548+/-0.572 χ^2/NDF : 277462.6/7

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 10.530+/-42.294 χ^2/NDF : 14.1/16

Left Out: 160.216+/-54.414 χ^2/NDF : 11.2/9

Right Out: 80.462+/-38.950 χ^2/NDF : 19.9/19

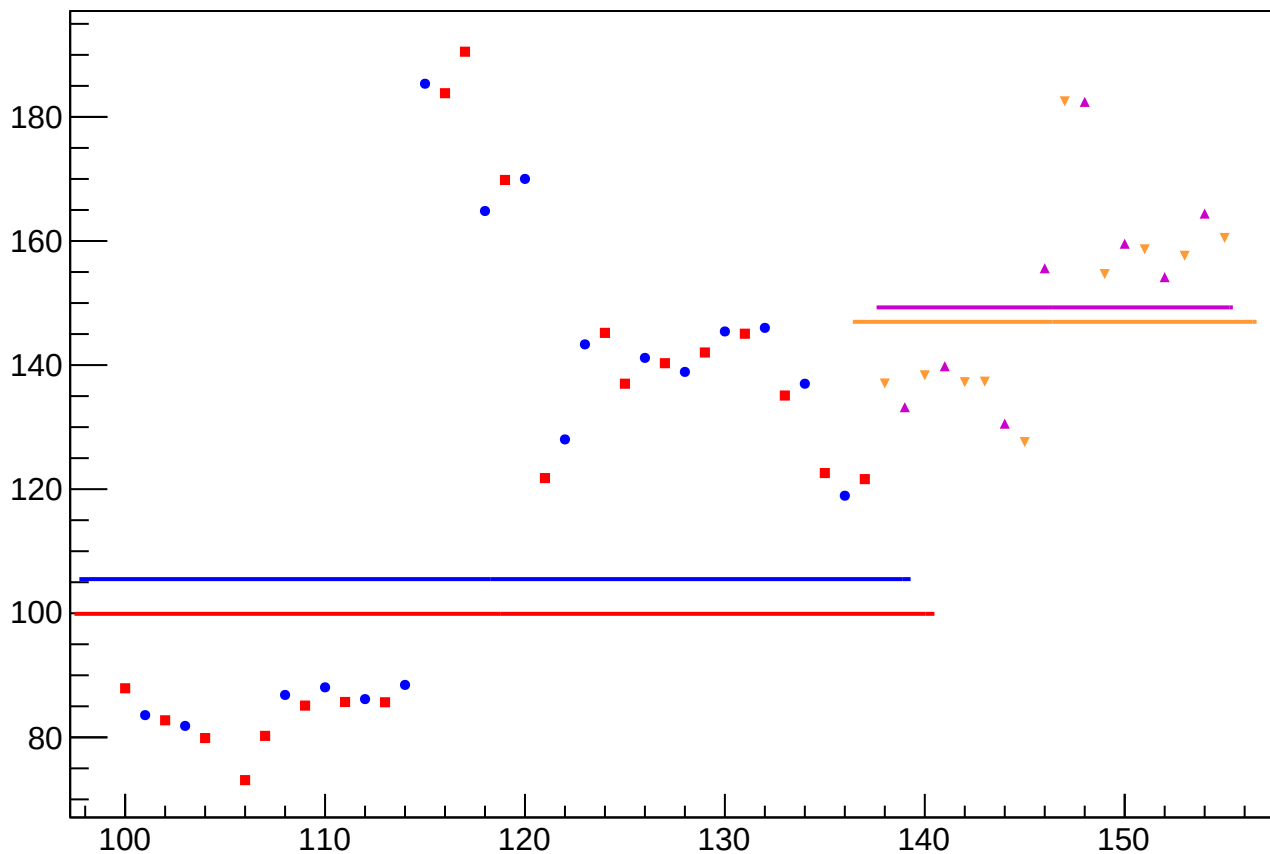
Left In: 178.445+/-58.519 χ^2/NDF : 5.5/7

66.905+/-33.393 χ^2/NDF : 30.0/26

89.366+/-23.262 χ^2/NDF : 58.2/54

110.543+/-32.424 χ^2/NDF : 27.3/27

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 105.503 $\pm$ 0.030 χ^2 /NDF: 869022.6/16

Left Out: 146.973 $\pm$ 0.038 χ^2 /NDF: 150719.3/9

Right Out: 99.907 $\pm$ 0.028 χ^2 /NDF: 1019545.3/19

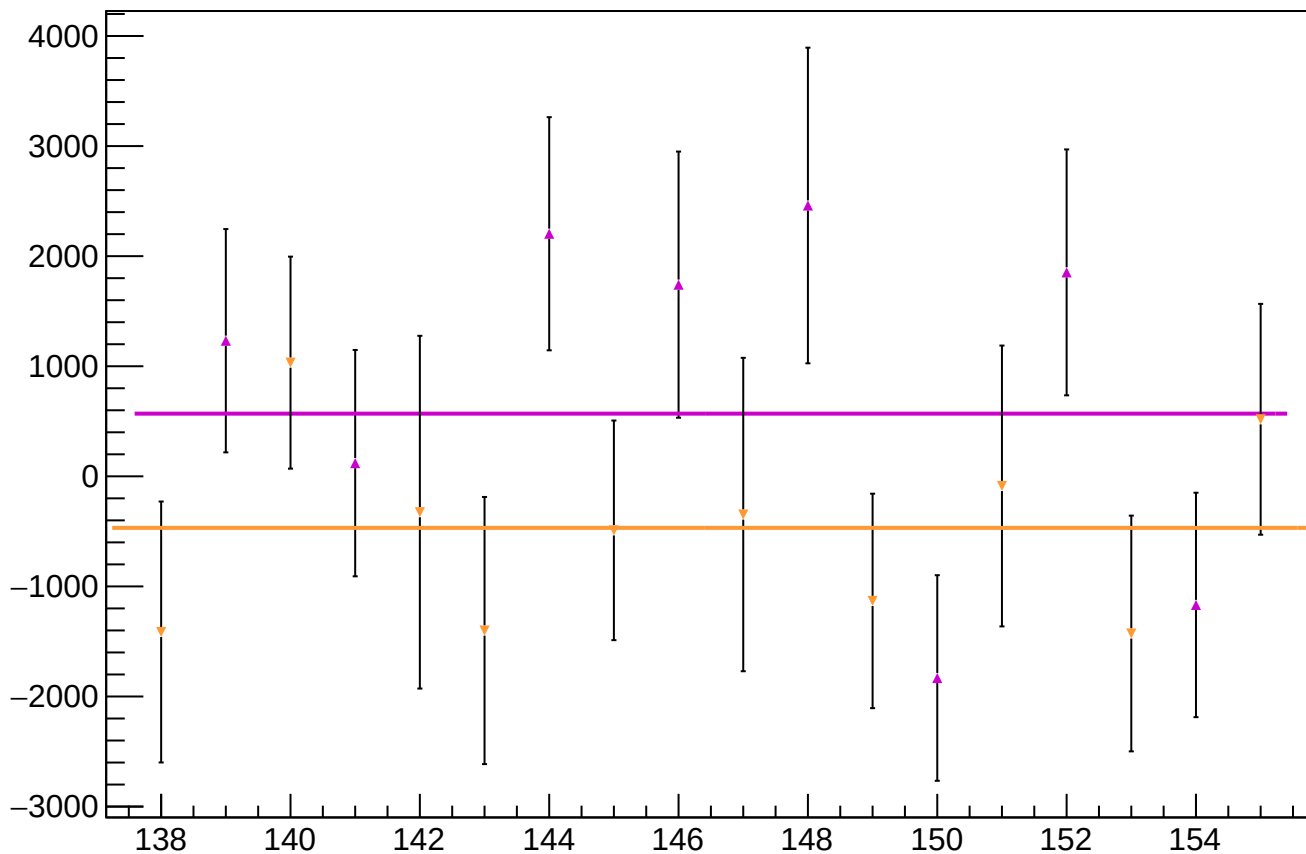
Left In: 149.297 $\pm$ 0.041 χ^2 /NDF: 143305.1/7

121.121 $\pm$ 0.024 χ^2 /NDF: 1743915.1/26

118.006 $\pm$ 0.016 χ^2 /NDF: 3927872.5/54

115.070 $\pm$ 0.023 χ^2 /NDF: 2150153.9/27

asym_sam5_correction_mean vs Slug, Sign Corrected



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

Left Out: -468.281+/-357.882 χ^2/NDF : 5.9/9

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

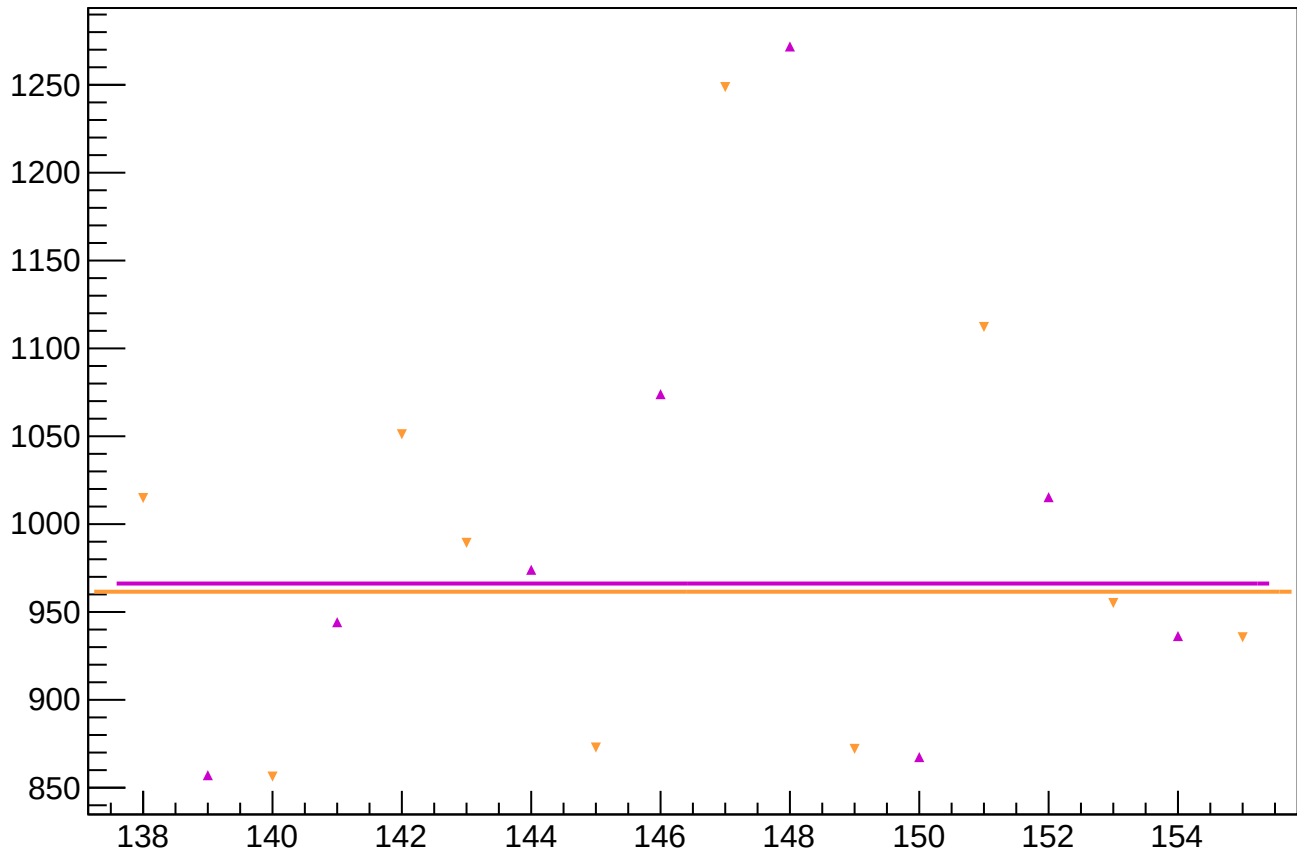
Left In: 569.416+/-380.943 χ^2/NDF : 16.5/7

-468.281+/-357.882 χ^2/NDF : 5.9/9

18.208+/-260.832 χ^2/NDF : 26.4/17

569.416+/-380.943 χ^2/NDF : 16.5/7

asym_sam5_correction_rms vs Slug, Sign Corrected



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

Left Out: 961.536+/-0.253 χ^2/NDF :178502.0/9

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

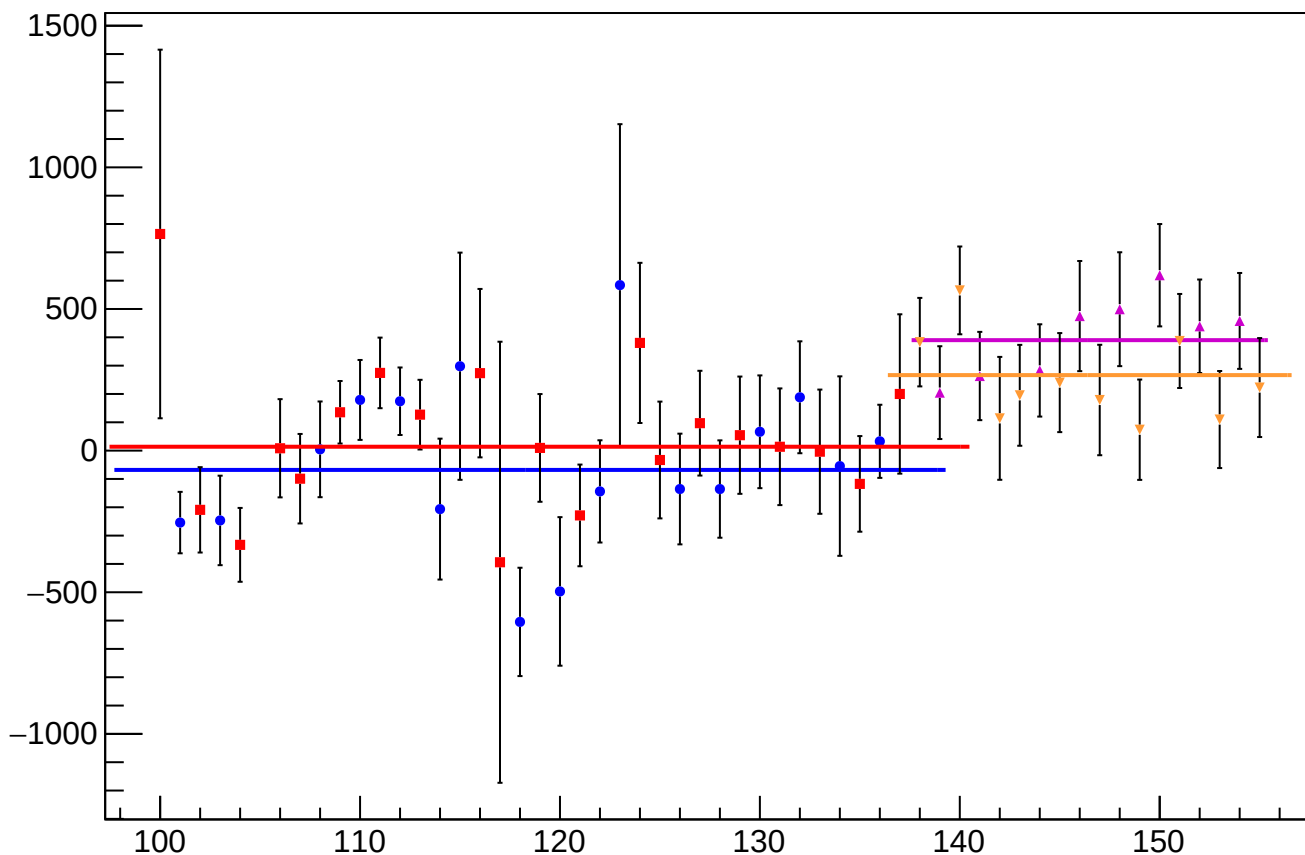
Left In: 966.191+/-0.269 χ^2/NDF :158920.6/7

961.536+/-0.253 χ^2/NDF : 178502.0/9

963.718+/-0.184 χ^2/NDF : 337581.2/17

966.191+/-0.269 χ^2/NDF : 158920.6/7

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -68.111 ± 42.265 $\chi^2/\text{NDF}: 27.8/16$

Left Out: 266.563 ± 55.092 $\chi^2/\text{NDF}: 7.8/9$

Right Out: 13.752 ± 39.416 $\chi^2/\text{NDF}: 23.4/19$

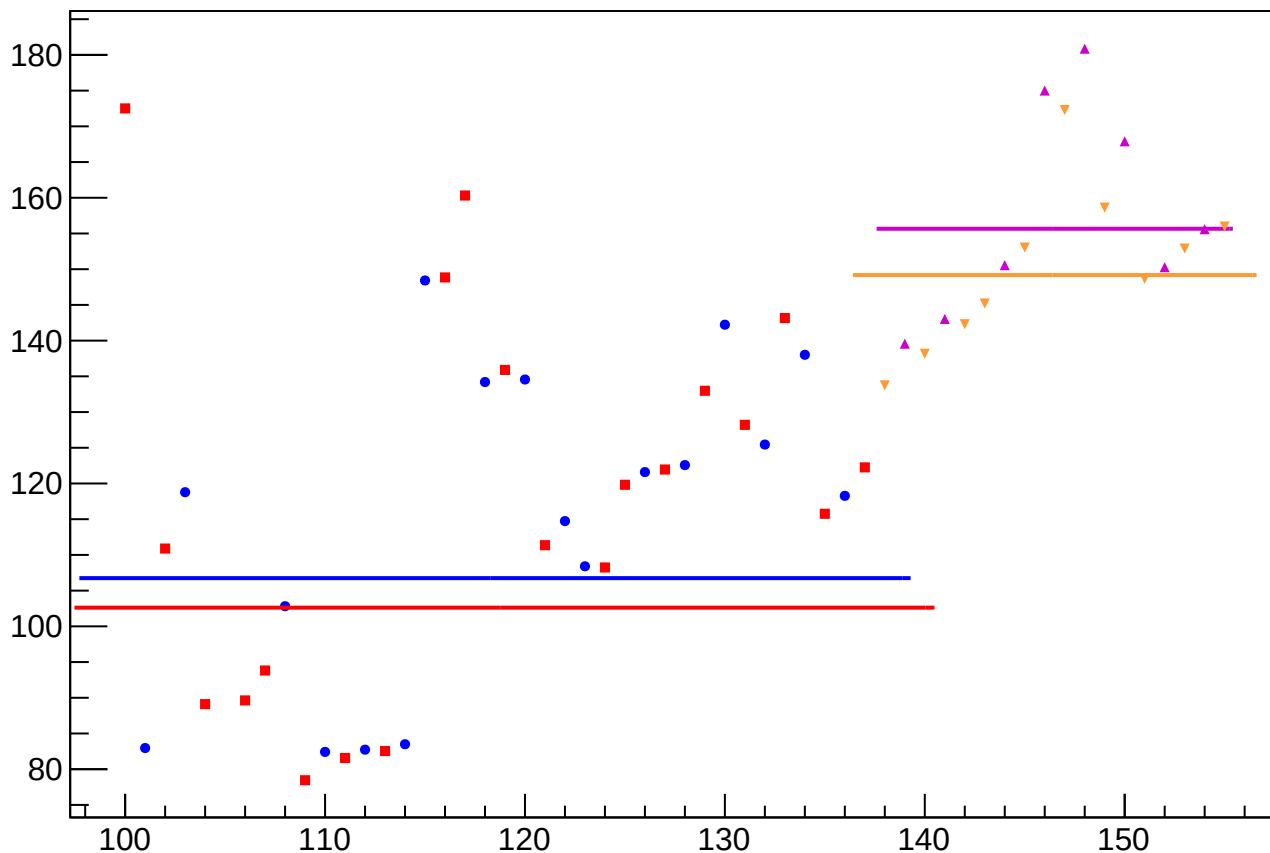
Left In: 389.972 ± 60.906 $\chi^2/\text{NDF}: 4.7/7$

55.885 ± 33.534 $\chi^2/\text{NDF}: 58.8/26$

90.804 ± 23.554 $\chi^2/\text{NDF}: 116.0/54$

124.807 ± 33.091 $\chi^2/\text{NDF}: 55.0/27$

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 106.749 $\pm$ 0.030 χ^2/NDF : 501742.8/16

Left Out: 149.183 $\pm$ 0.039 χ^2/NDF : 71399.5/9

Right Out: 102.615 $\pm$ 0.028 χ^2/NDF : 600357.6/19

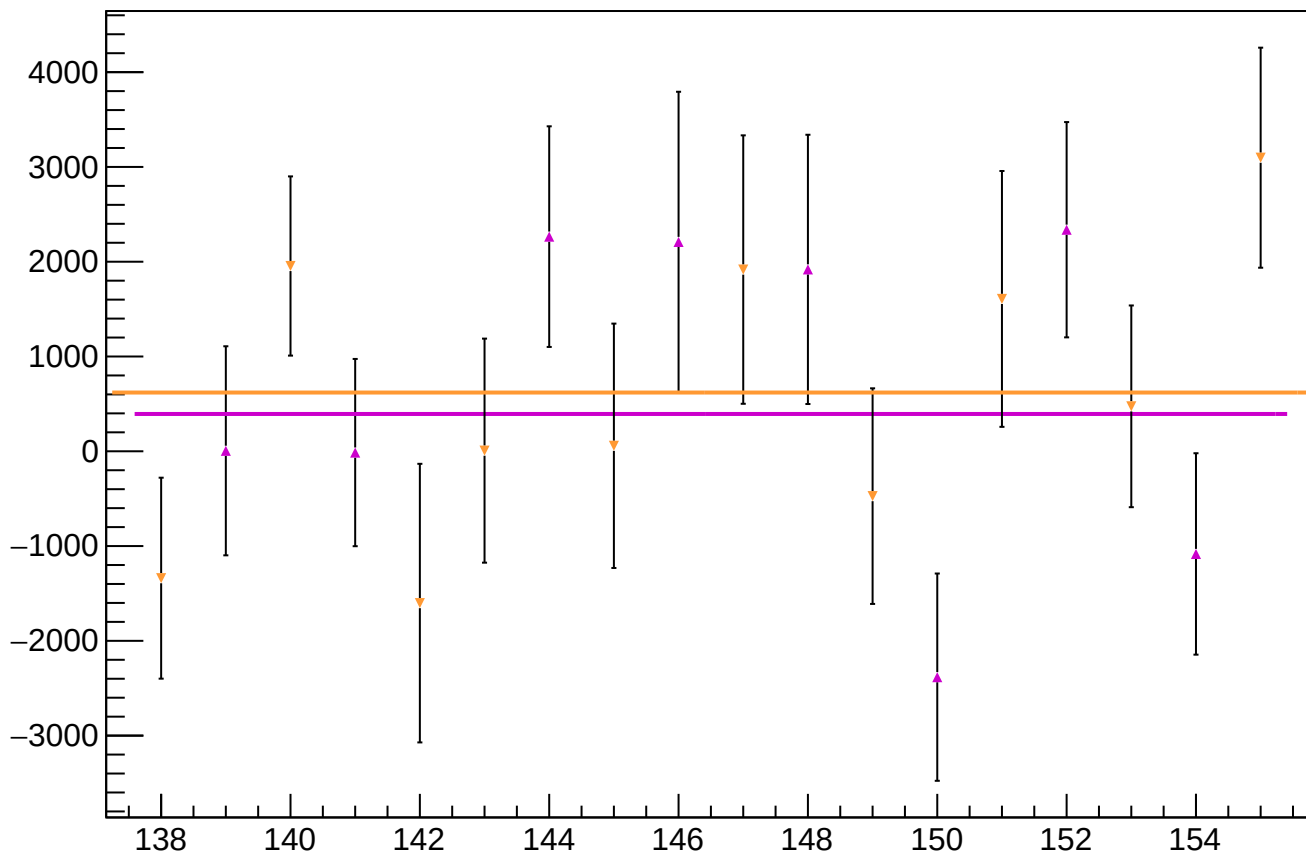
Left In: 155.663 $\pm$ 0.043 χ^2/NDF : 96959.1/7

122.471 $\pm$ 0.024 χ^2/NDF : 1320059.2/26

120.345 $\pm$ 0.017 χ^2/NDF : 3102569.1/54

118.274 $\pm$ 0.023 χ^2/NDF : 1766637.5/27

asym_sam6_correction_mean vs Slug, Sign Corrected



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

Left Out: 619.784+/-371.786 χ^2/NDF : 15.0/9

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

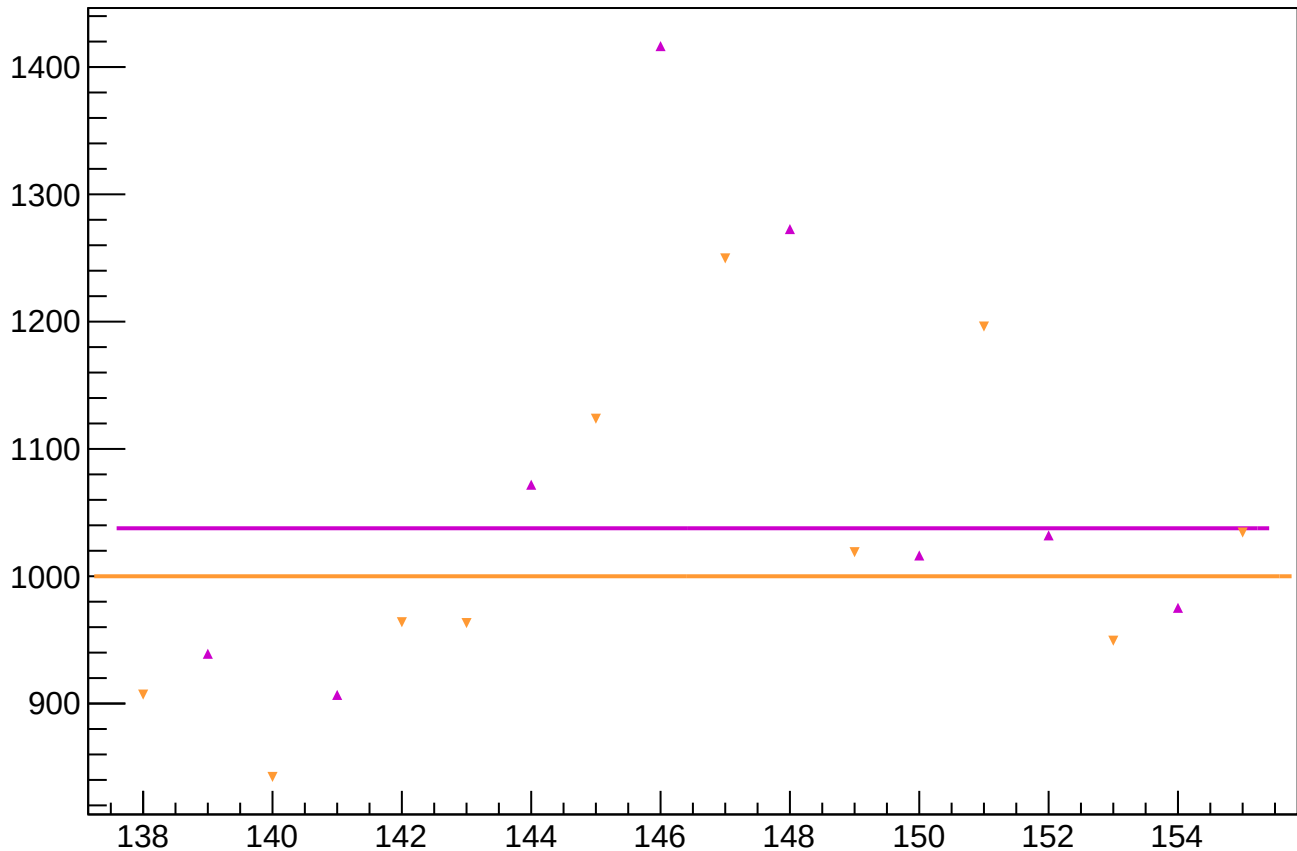
Left In: 393.634+/-409.058 χ^2/NDF : 16.7/7

619.784+/-371.786 χ^2/NDF : 15.0/9

517.479+/-275.128 χ^2/NDF : 31.8/17

393.634+/-409.058 χ^2/NDF : 16.7/7

asym_sam6_correction_rms vs Slug, Sign Corrected



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

Left Out: 999.974+/-0.263 χ^2/NDF : 203807.4/9

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

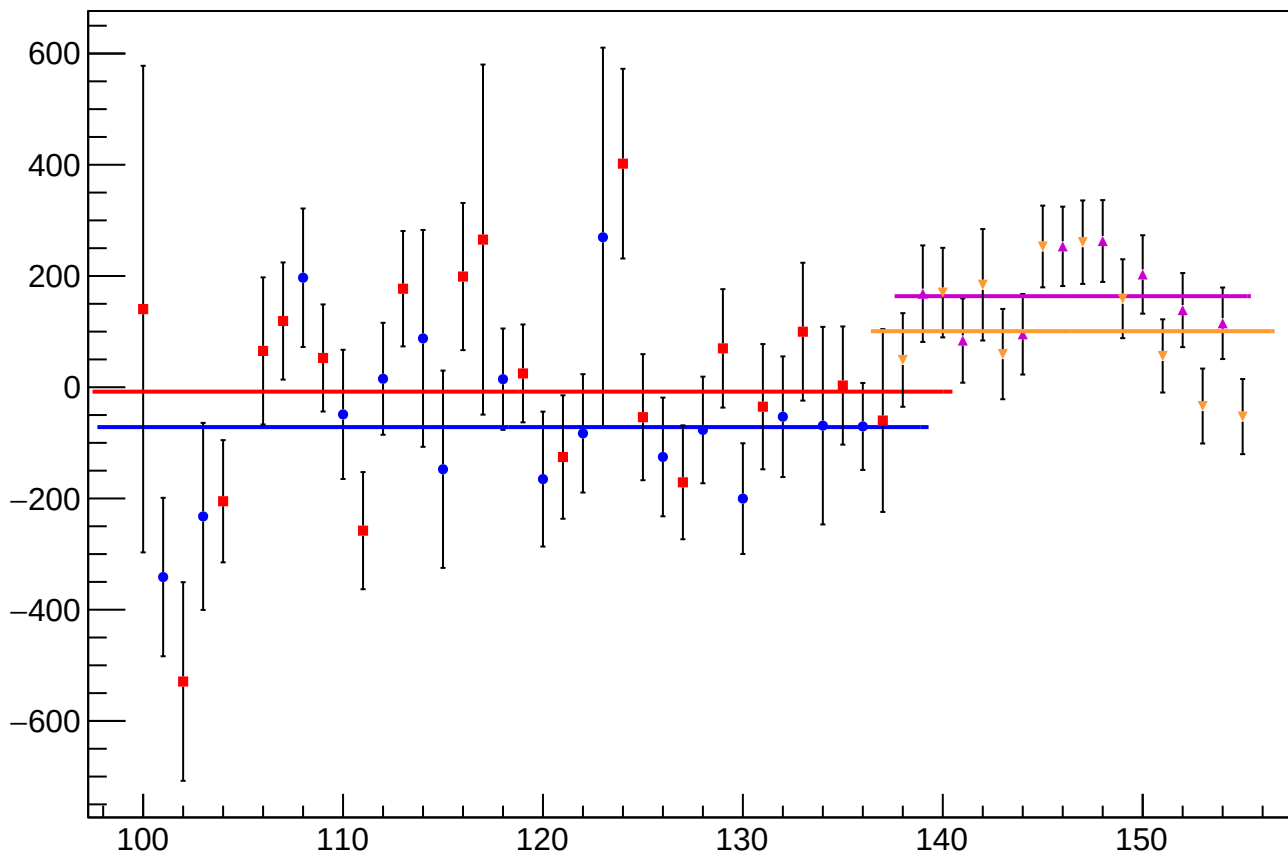
Left In: 1037.678+/-0.289 χ^2/NDF : 229599.5/7

999.974+/-0.263 χ^2/NDF : 203807.4/9

1017.030+/-0.195 χ^2/NDF : 442711.6/17

1037.678+/-0.289 χ^2/NDF : 229599.5/7

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -71.669 ± 28.358 $\chi^2/\text{NDF}: 15.2/16$

Left Out: 100.808 ± 23.709 $\chi^2/\text{NDF}: 21.2/9$

Right Out: -7.933 ± 26.719 $\chi^2/\text{NDF}: 37.2/19$

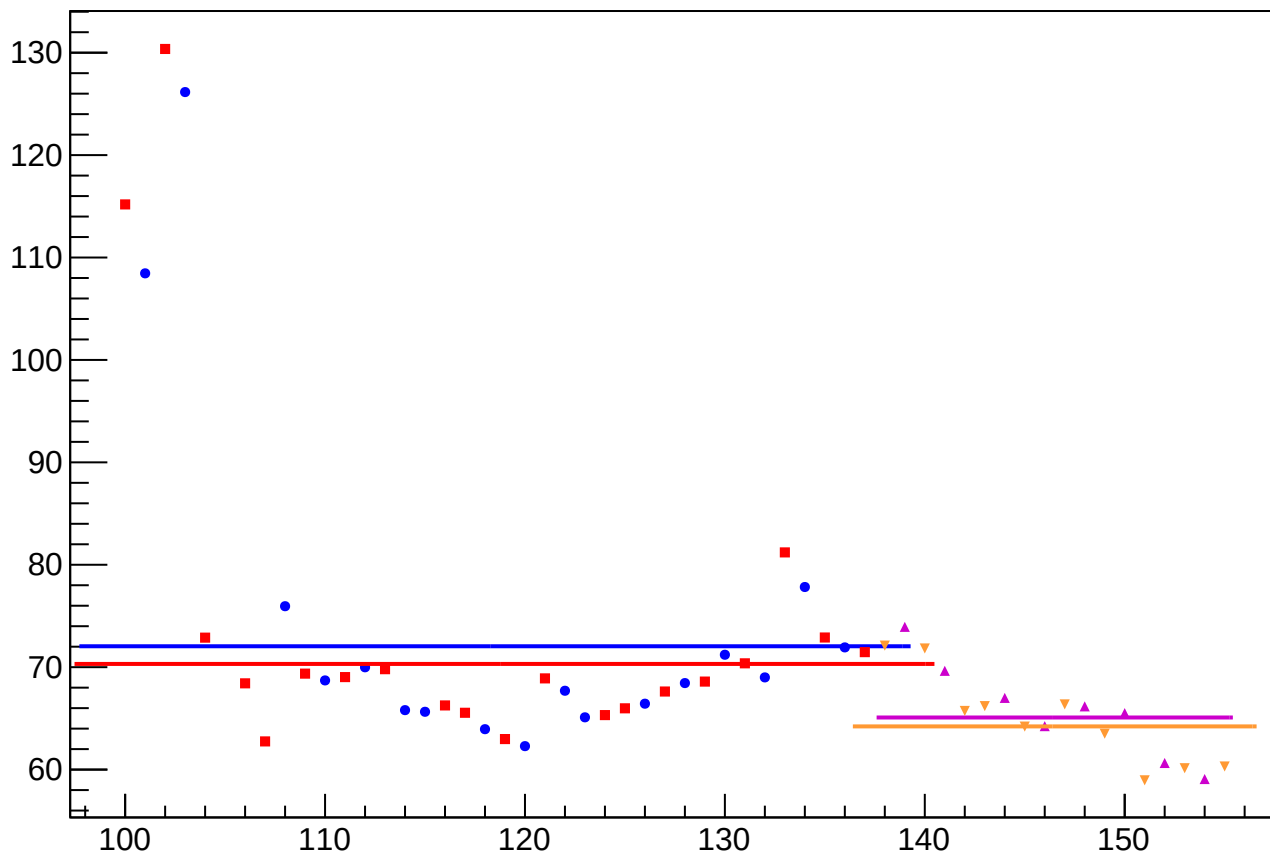
Left In: 163.726 ± 25.424 $\chi^2/\text{NDF}: 6.4/7$

29.850 ± 18.189 $\chi^2/\text{NDF}: 58.2/26$

55.676 ± 12.942 $\chi^2/\text{NDF}: 127.6/54$

82.157 ± 18.419 $\chi^2/\text{NDF}: 65.3/27$

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 72.042 $\pm$ 0.020 χ^2 /NDF: 391971.7/16

Left Out: 64.217 $\pm$ 0.017 χ^2 /NDF: 65786.4/9

Right Out: 70.316 $\pm$ 0.019 χ^2 /NDF: 299468.0/19

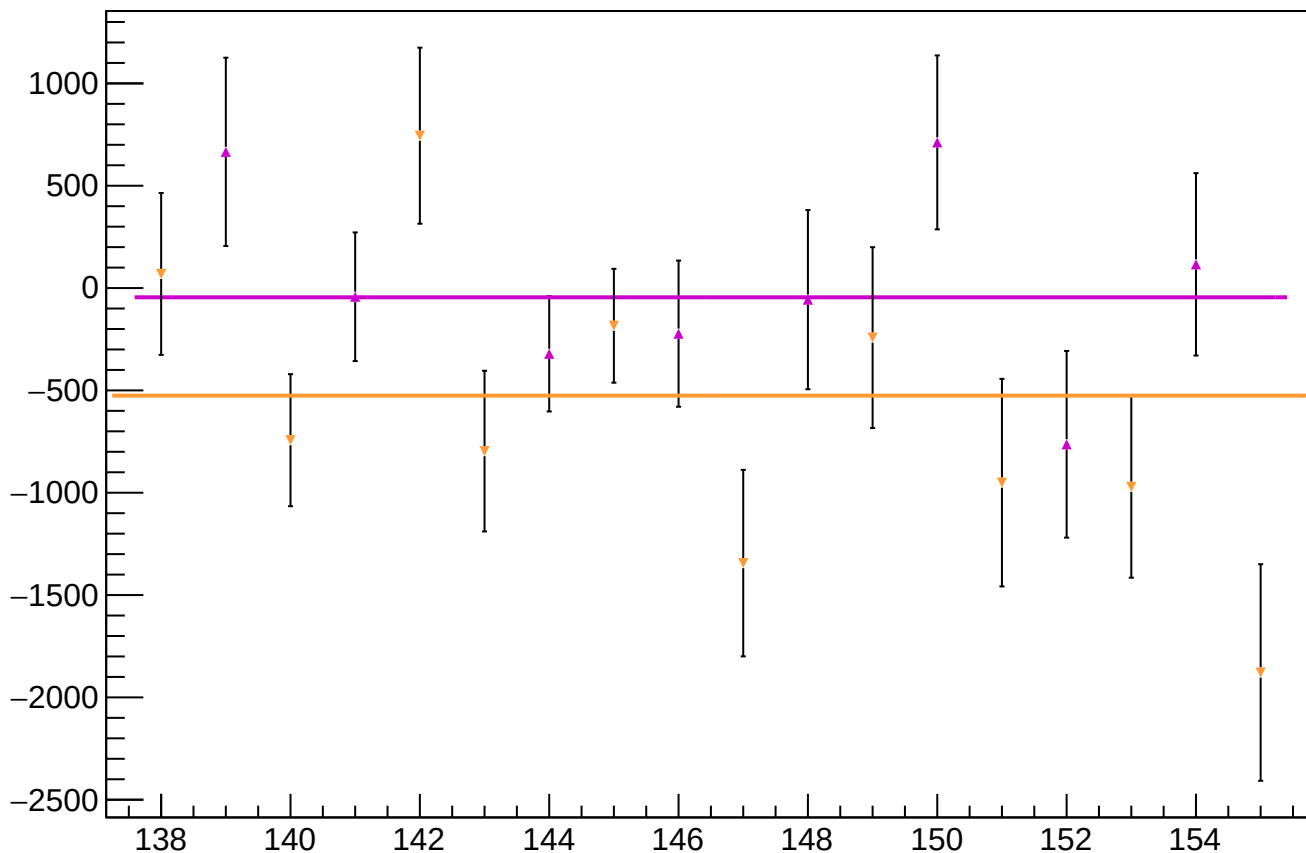
Left In: 65.086 $\pm$ 0.018 χ^2 /NDF: 56582.0/7

67.436 $\pm$ 0.013 χ^2 /NDF: 547407.3/26

67.503 $\pm$ 0.009 χ^2 /NDF: 943726.0/54

67.572 $\pm$ 0.013 χ^2 /NDF: 396264.0/27

asym_sam7_correction_mean vs Slug, Sign Corrected



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

Left Out: -525.609+/-125.697 χ^2/NDF : 25.3/9

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

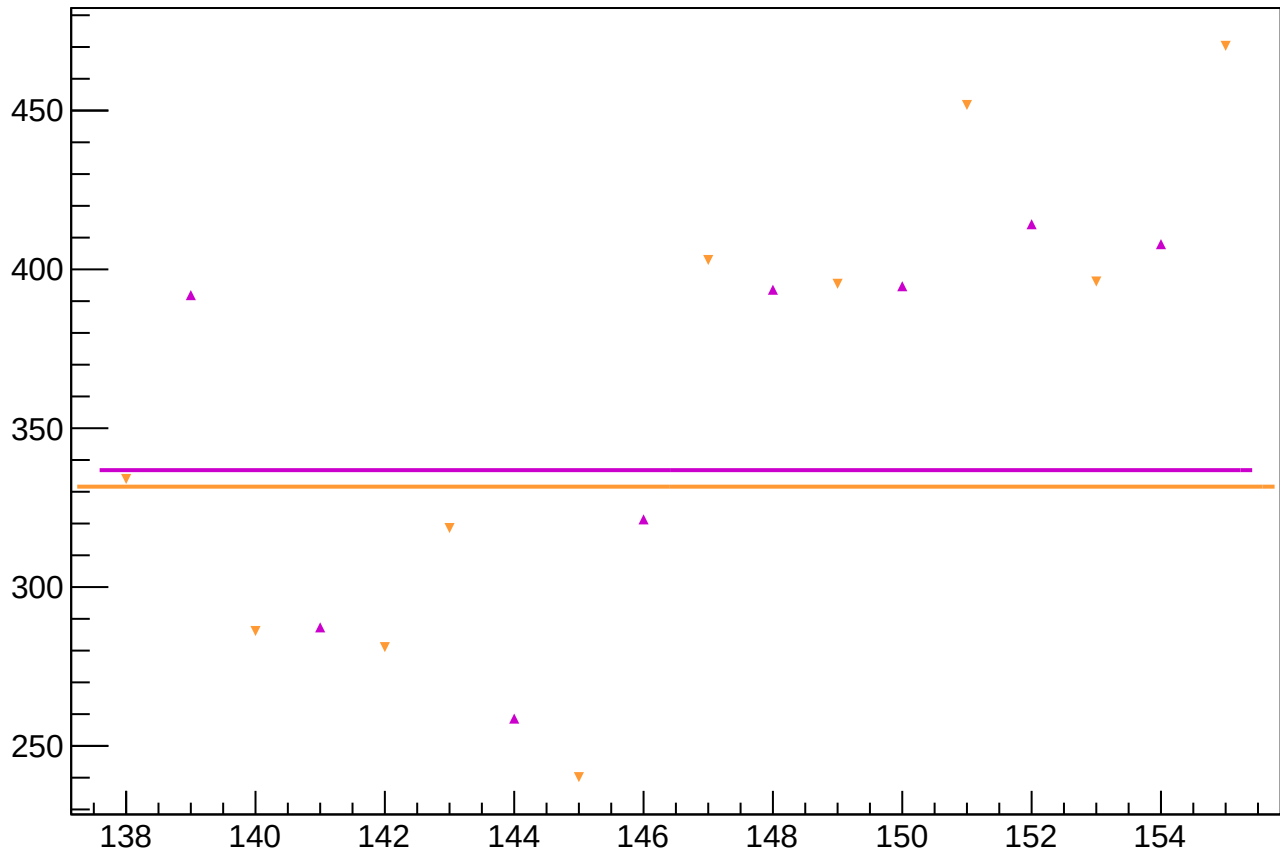
Left In: -45.108+/-133.766 χ^2/NDF : 9.4/7

-525.609+/-125.697 χ^2/NDF : 25.3/9

-300.286+/-91.601 χ^2/NDF : 41.5/17

-45.108+/-133.766 χ^2/NDF : 9.4/7

asym_sam7_correction_rms vs Slug, Sign Corrected



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

Left Out: 331.607+/-0.089 χ^2/NDF : 668589.8/9

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

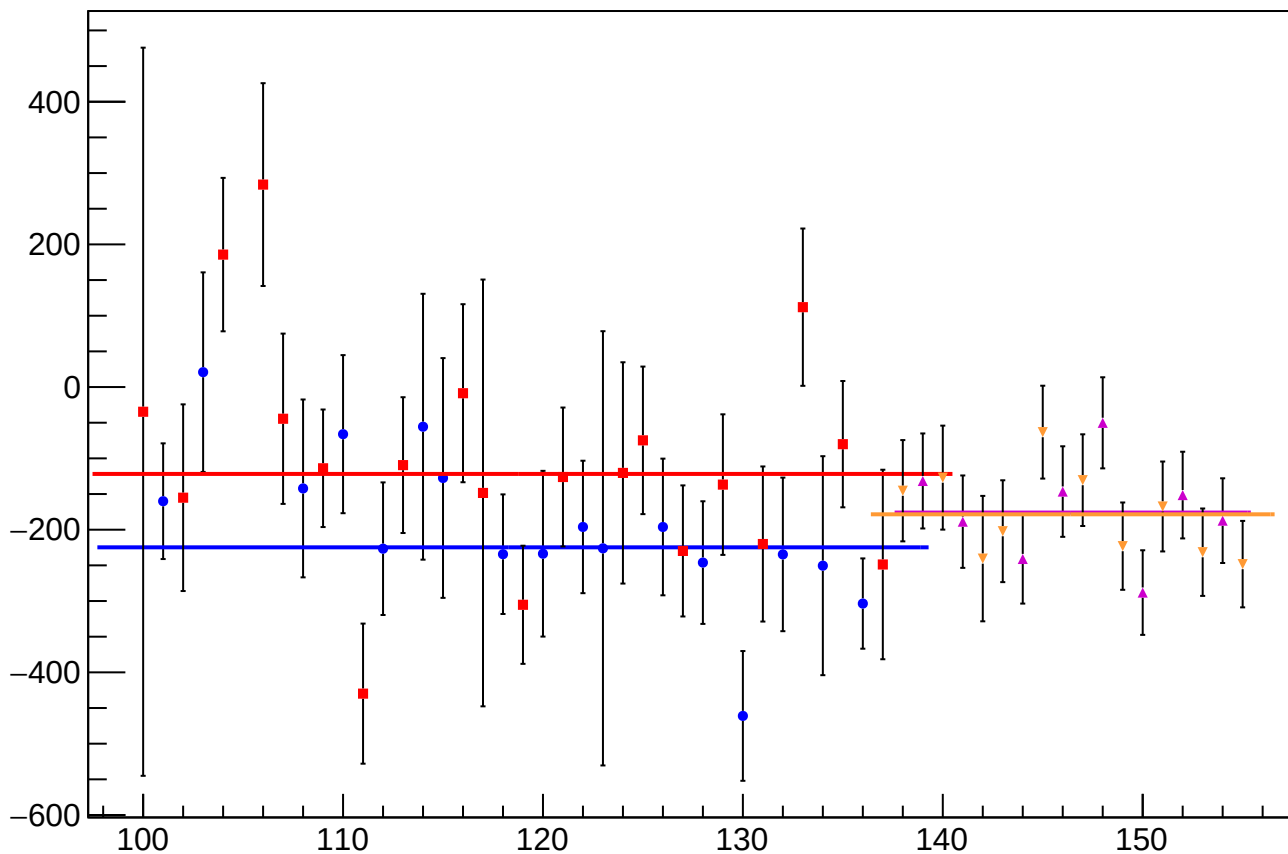
Left In: 336.806+/-0.095 χ^2/NDF : 415529.2/7

331.607+/-0.089 χ^2/NDF : 668589.8/9

334.045+/-0.065 χ^2/NDF : 1085723.7/17

336.806+/-0.095 χ^2/NDF : 415529.2/7

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -224.727 ± 24.880 χ^2/NDF : 16.0/16

Left Out: -178.425 ± 21.094 χ^2/NDF : 7.7/9

Right Out: -121.814 ± 24.516 χ^2/NDF : 40.5/19

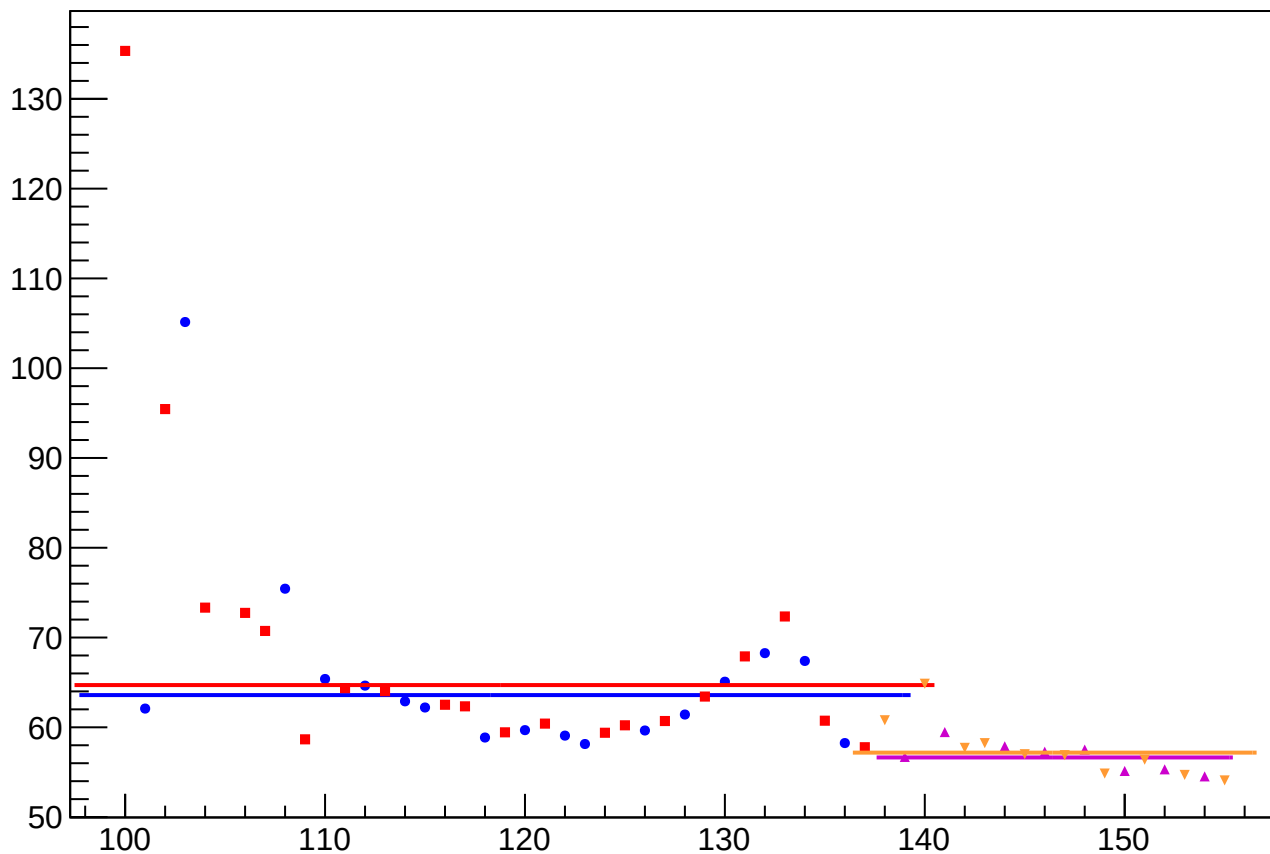
Left In: -175.967 ± 22.079 χ^2/NDF : 9.4/7

-197.789 ± 16.090 χ^2/NDF : 25.6/26

-175.201 ± 11.488 χ^2/NDF : 82.3/54

-151.715 ± 16.407 χ^2/NDF : 52.6/27

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 63.589 ± 0.018 χ^2/NDF : 234601.0/16

Left Out: 57.180 ± 0.015 χ^2/NDF : 39603.8/9

Right Out: 64.704 ± 0.017 χ^2/NDF : 227632.6/19

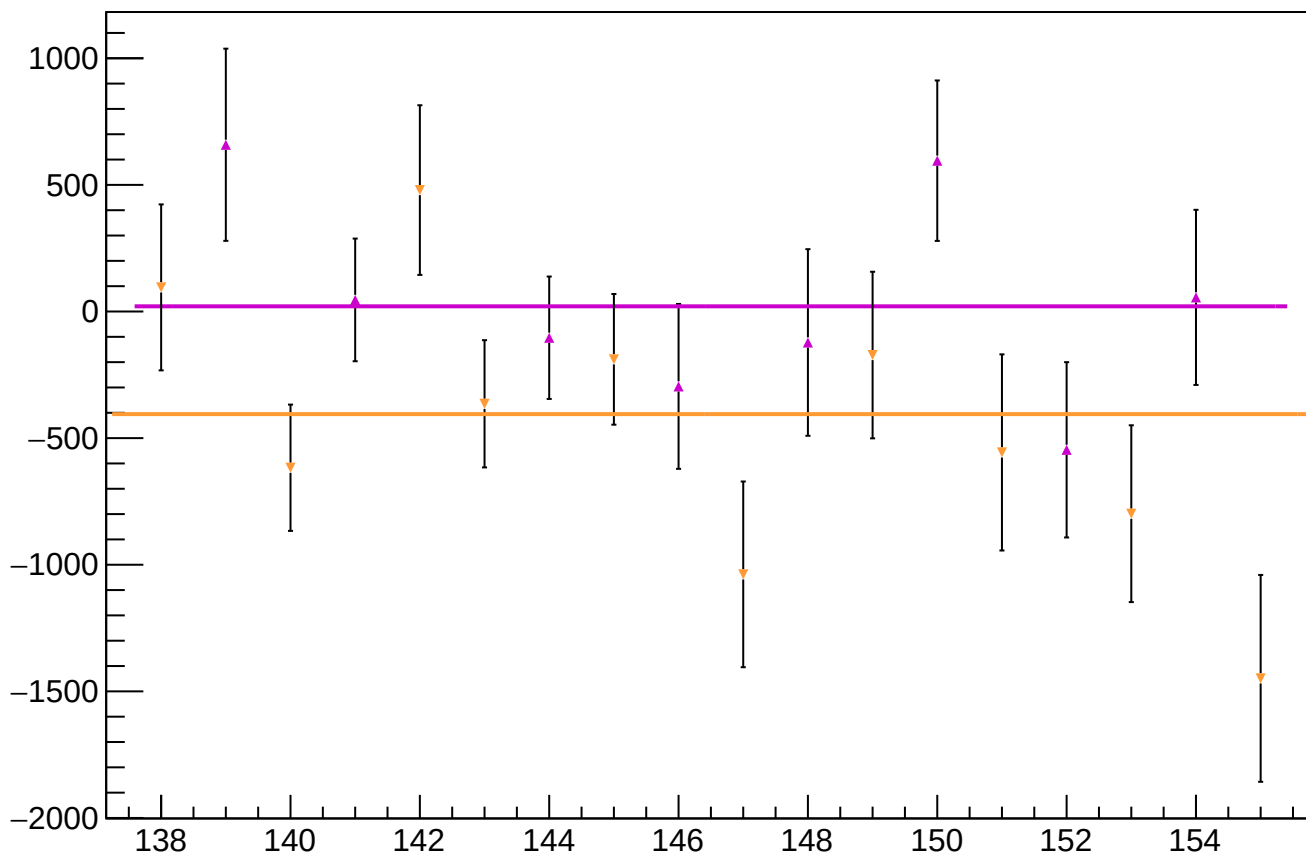
Left In: 56.641 ± 0.016 χ^2/NDF : 9946.7/7

59.860 ± 0.011 χ^2/NDF : 351412.1/26

60.052 ± 0.008 χ^2/NDF : 709026.9/54

60.252 ± 0.012 χ^2/NDF : 357034.4/27

asym_sam8_correction_mean vs Slug, Sign Corrected



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

Left Out: -405.276+/-98.664 χ^2/NDF : 22.2/9

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

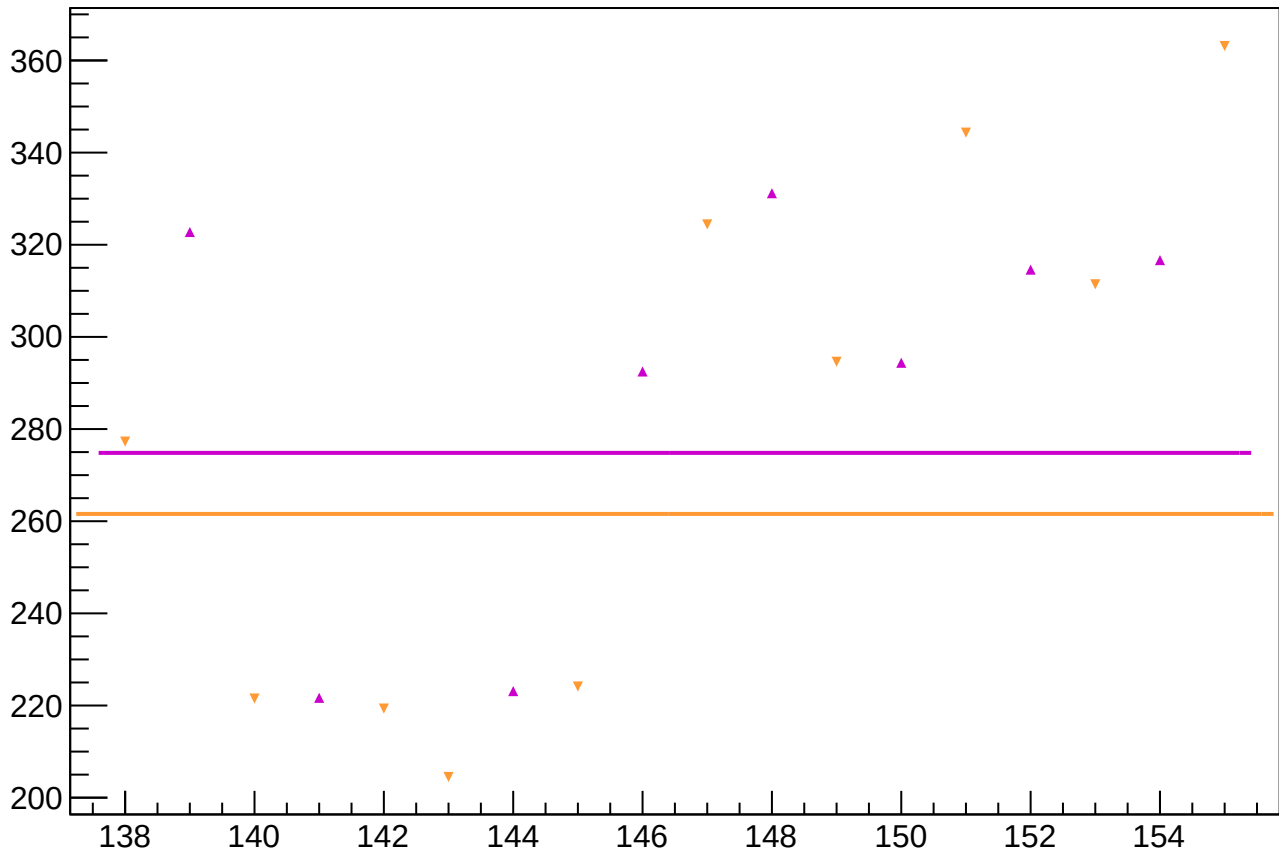
Left In: 20.481+/-108.724 χ^2/NDF : 10.2/7

-405.276+/-98.664 χ^2/NDF : 22.2/9

-213.002+/-73.064 χ^2/NDF : 40.8/17

20.481+/-108.724 χ^2/NDF : 10.2/7

asym_sam8_correction_rms vs Slug, Sign Corrected



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

Left Out: 261.580+/-0.070 χ^2/NDF : 568110.0/9

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

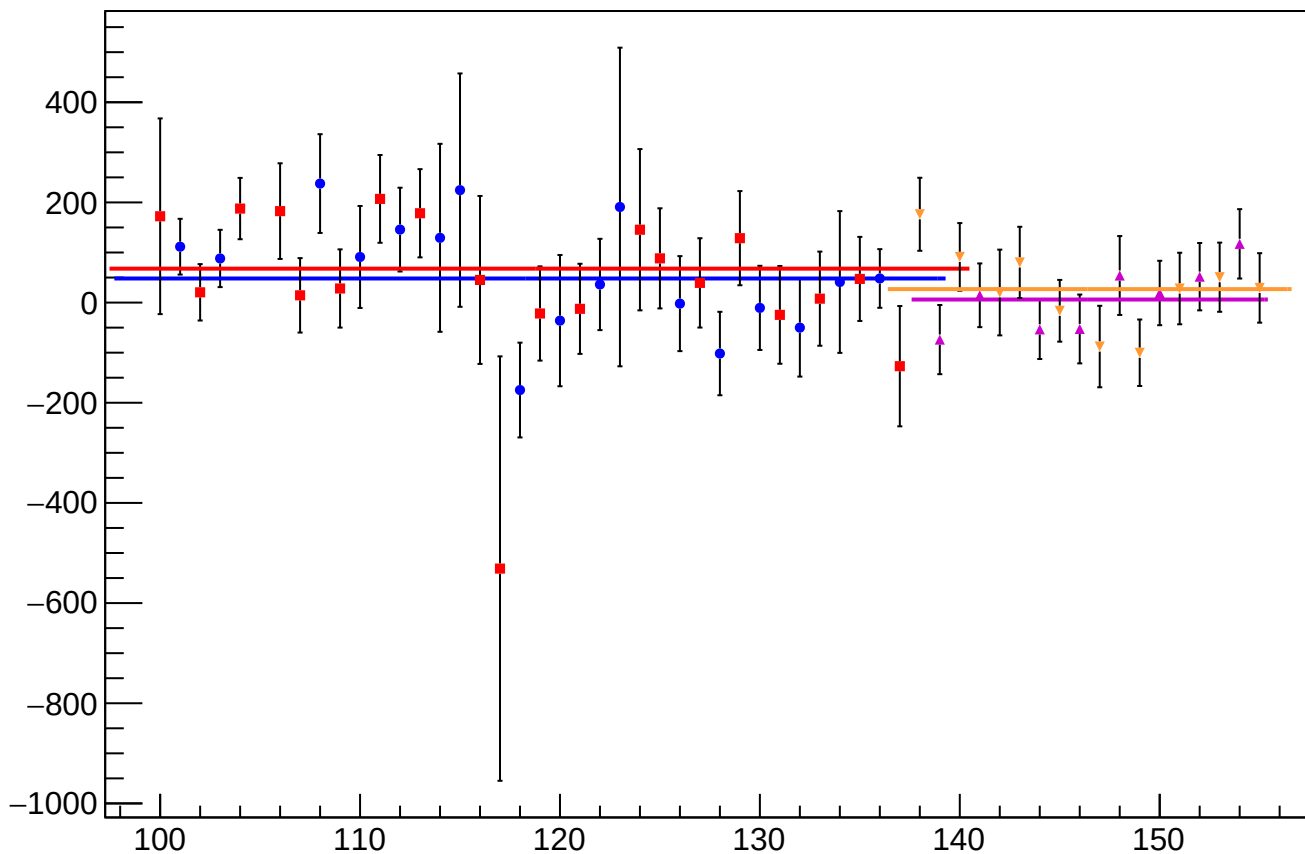
Left In: 274.829+/-0.077 χ^2/NDF : 335793.1/7

261.580+/-0.070 χ^2/NDF : 568110.0/9

267.564+/-0.052 χ^2/NDF : 920190.0/17

274.829+/-0.077 χ^2/NDF : 335793.1/7

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: 26.892 $\pm$ 22.380 χ^2 /NDF:11.9/9

Right Out: 67.767 $\pm$ 20.383 χ^2 /NDF: 19.7/19

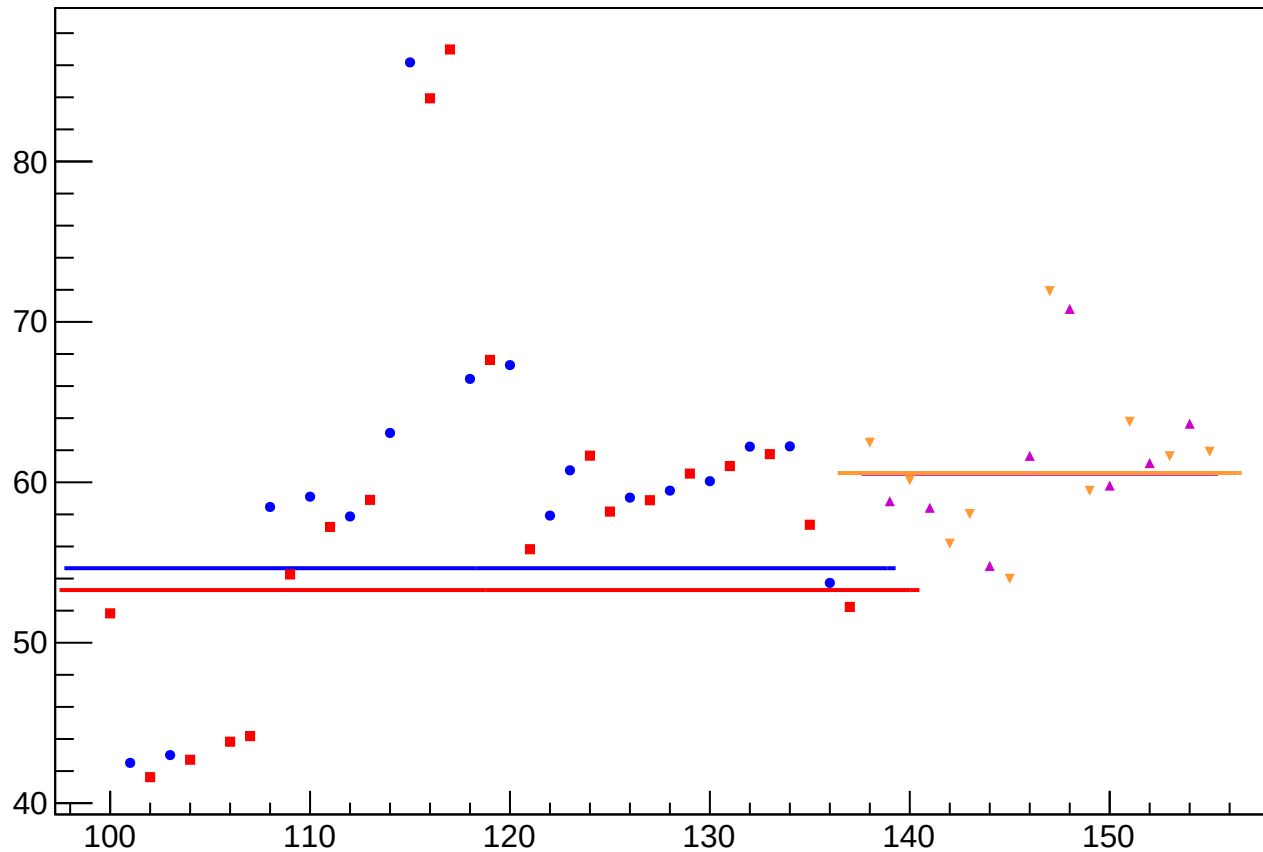
Left In: 6.129 $\pm$ 23.659 χ^2 /NDF:6.6/7

37.921 $\pm$ 15.508 χ^2 /NDF: 31.4/26

39.721 $\pm$ 10.943 χ^2 /NDF: 61.5/54

41.507 $\pm$ 15.442 χ^2 /NDF: 30.1/27

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 54.645 $\pm$ 0.015 χ^2/NDF : 319300.2/16

Left Out: 60.579 $\pm$ 0.016 χ^2/NDF : 76806.2/9

Right Out: 53.285 $\pm$ 0.014 χ^2/NDF : 398973.0/19

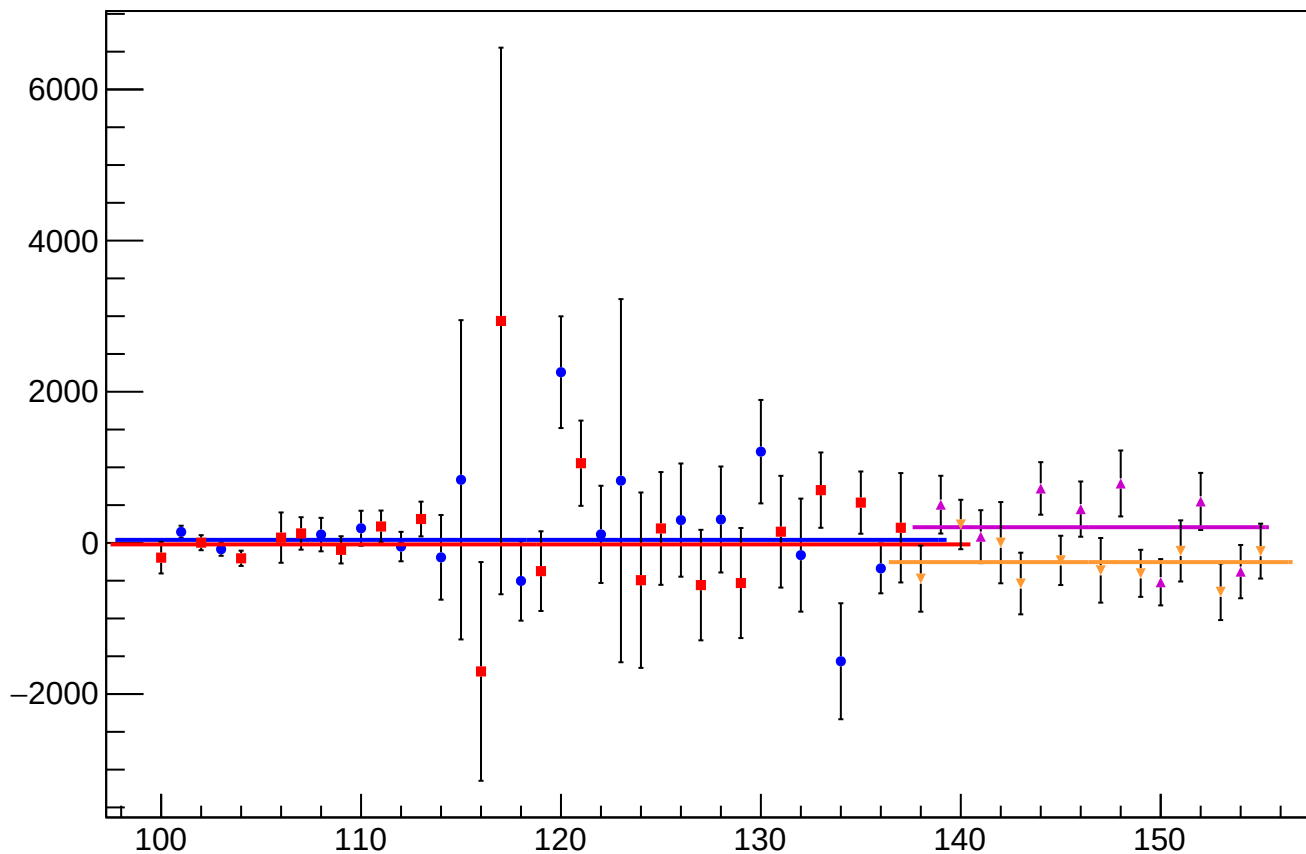
Left In: 60.529 $\pm$ 0.017 χ^2/NDF : 61384.9/7

57.494 $\pm$ 0.011 χ^2/NDF : 469193.5/26

56.930 $\pm$ 0.008 χ^2/NDF : 1042431.3/54

56.371 $\pm$ 0.011 χ^2/NDF : 567971.0/27

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



Right In: 40.207+/-51.542 χ^2/NDF : 23.9/16

Left Out: -254.190+/-119.472 χ^2/NDF : 5.0/9

Right Out: -19.590+/-53.268 χ^2/NDF : 19.6/19

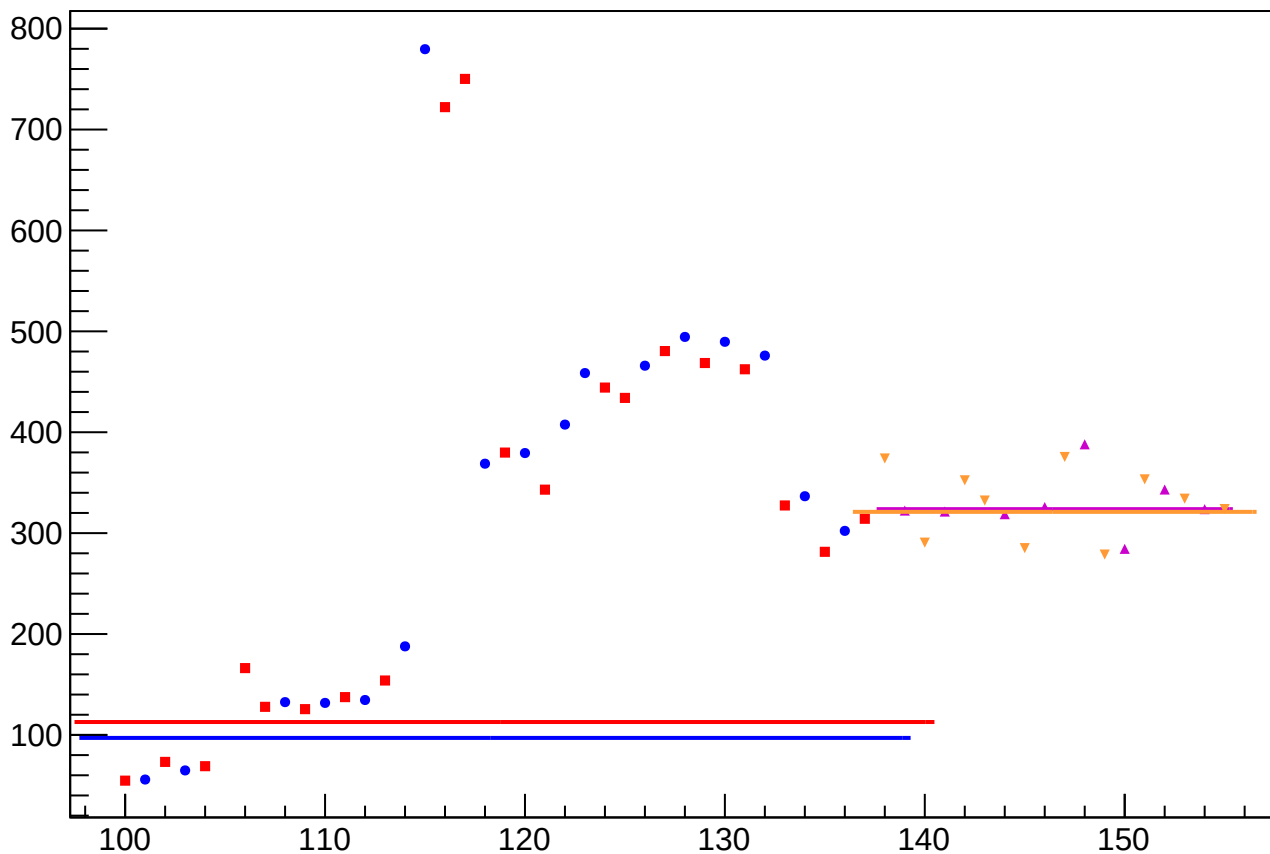
Left In: 207.733+/-127.263 χ^2/NDF : 14.4/7

-5.988+/-47.326 χ^2/NDF : 34.0/26

3.775+/-34.087 χ^2/NDF : 70.7/54

14.299+/-49.138 χ^2/NDF : 36.6/27

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



Right In: 97.039+/-0.036 χ^2/NDF : 5819709.2/16

Left Out: 321.092+/-0.084 χ^2/NDF : 163818.9/9

Right Out: 112.792+/-0.038 χ^2/NDF : 5098459.2/19

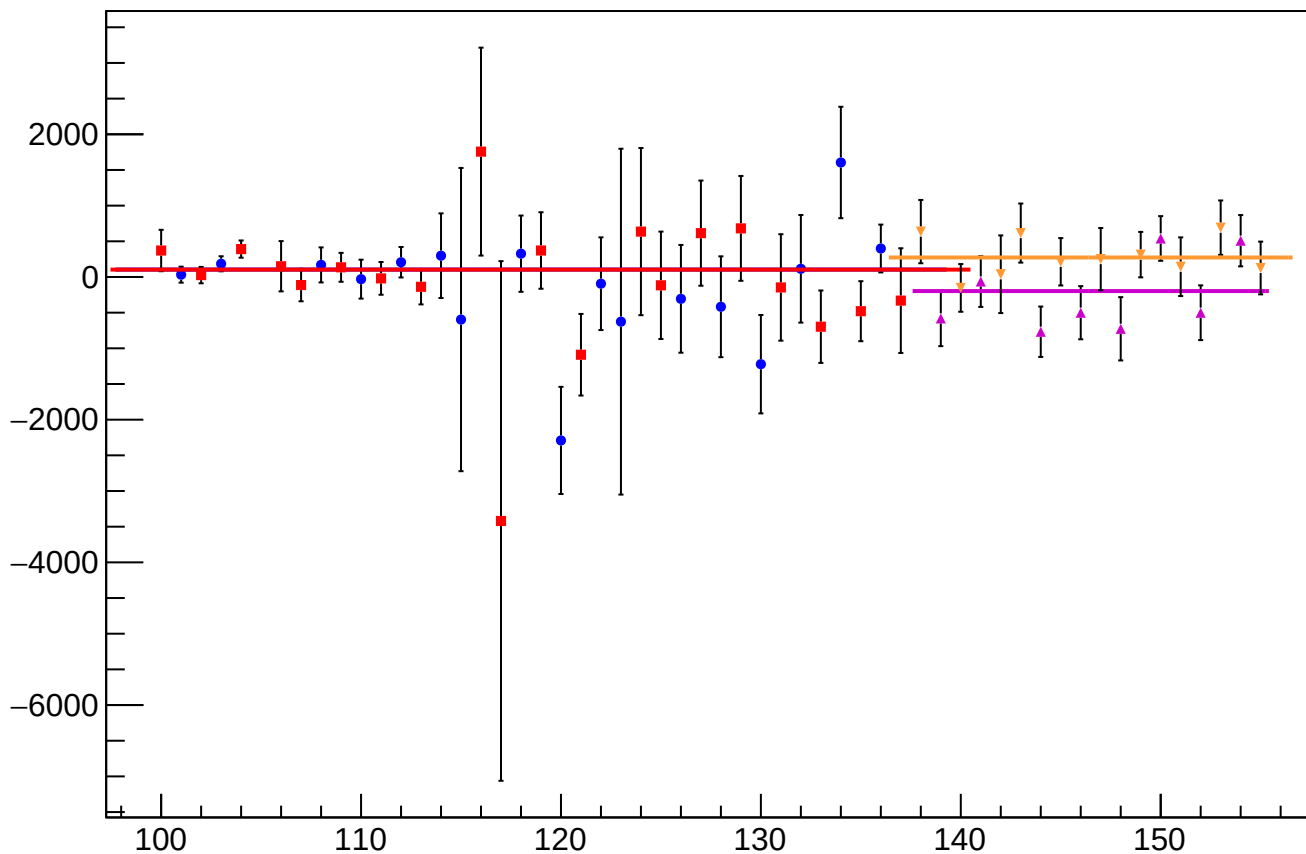
Left In: 323.775+/-0.090 χ^2/NDF : 82333.3/7

132.196+/-0.033 χ^2/NDF : 11913734.6/26

137.995+/-0.024 χ^2/NDF : 21834376.1/54

144.245+/-0.035 χ^2/NDF : 9858254.5/27

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 104.001 $\pm$ 63.156 χ^2 /NDF: 21.3/16

Left Out: 273.224 $\pm$ 121.656 χ^2 /NDF: 4.7/9

Right Out: 103.156 $\pm$ 60.849 χ^2 /NDF: 22.3/19

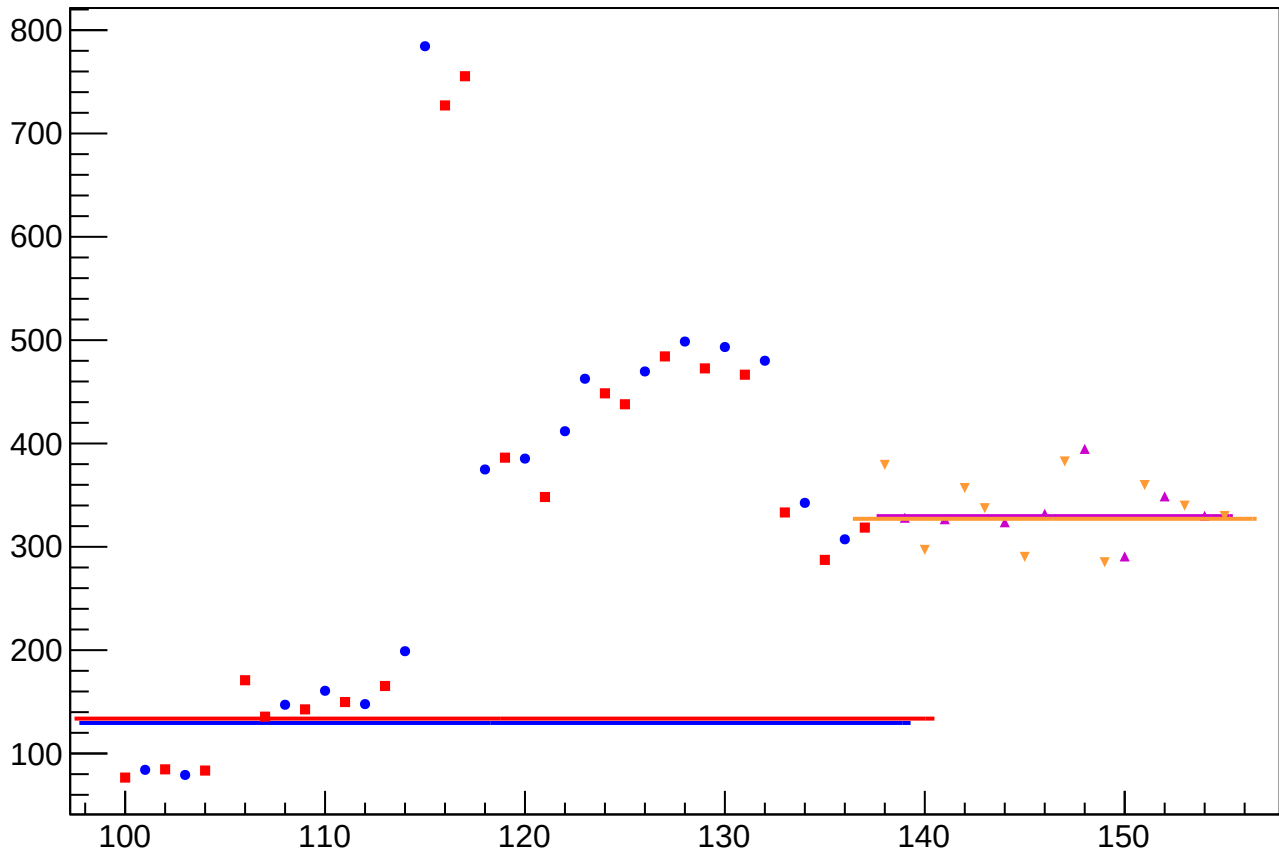
Left In: -197.493 $\pm$ 129.547 χ^2 /NDF: 15.8/7

139.925 $\pm$ 56.053 χ^2 /NDF: 27.5/26

93.569 $\pm$ 39.285 χ^2 /NDF: 71.4/54

48.815 $\pm$ 55.076 χ^2 /NDF: 42.5/27

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 129.552 +/- 0.045 χ^2/NDF : 4772450.4/16

Left Out: 327.110 +/- 0.086 χ^2/NDF : 157989.7/9

Right Out: 133.766 +/- 0.043 χ^2/NDF : 4424544.5/19

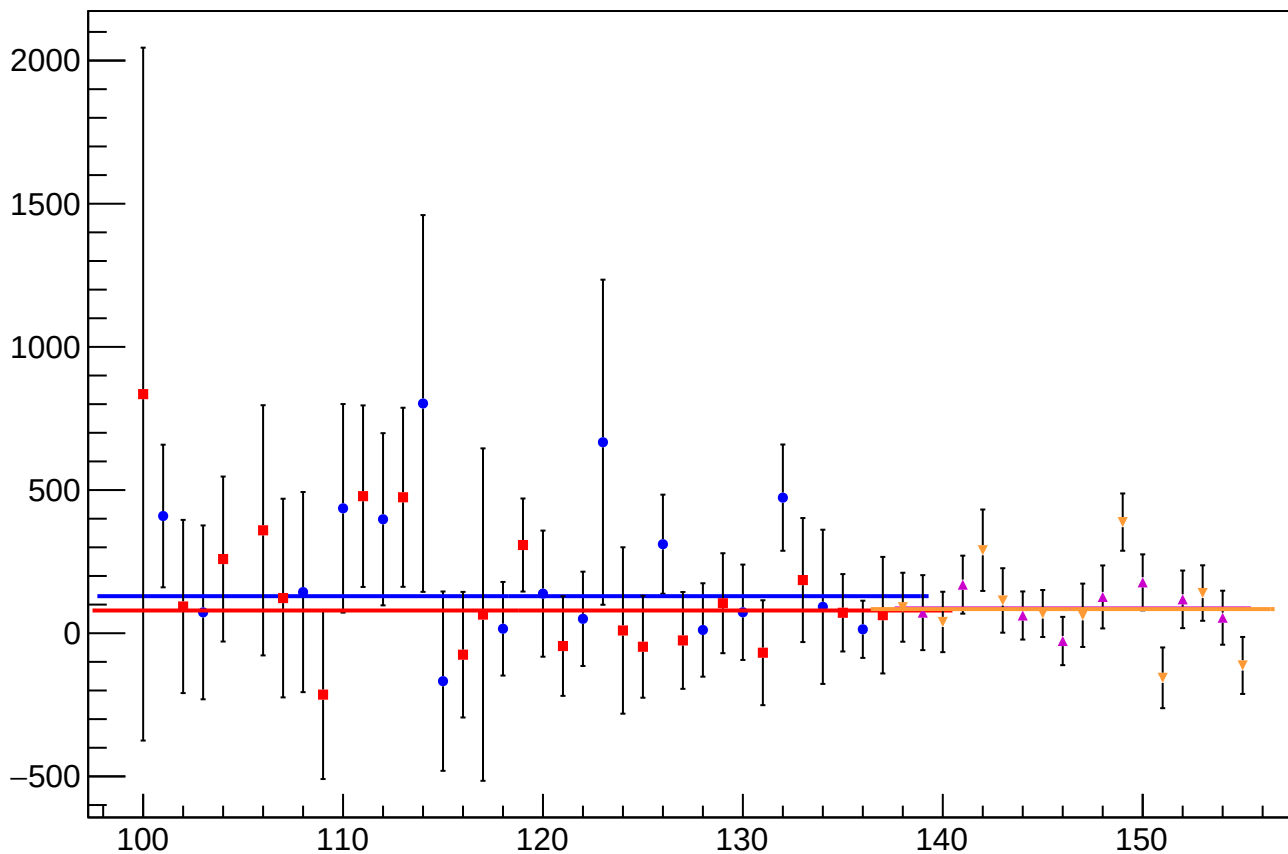
Left In: 329.712 +/- 0.092 χ^2/NDF : 79896.9/7

171.492 +/- 0.040 χ^2/NDF : 9084935.3/26

170.317 +/- 0.028 χ^2/NDF : 17339666.5/54

169.182 +/- 0.039 χ^2/NDF : 8253003.8/27

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: 84.301 $\pm$ 33.081 χ^2 /NDF:21.0/9

Right Out: 79.378 $\pm$ 49.703 χ^2 /NDF: 10.2/19

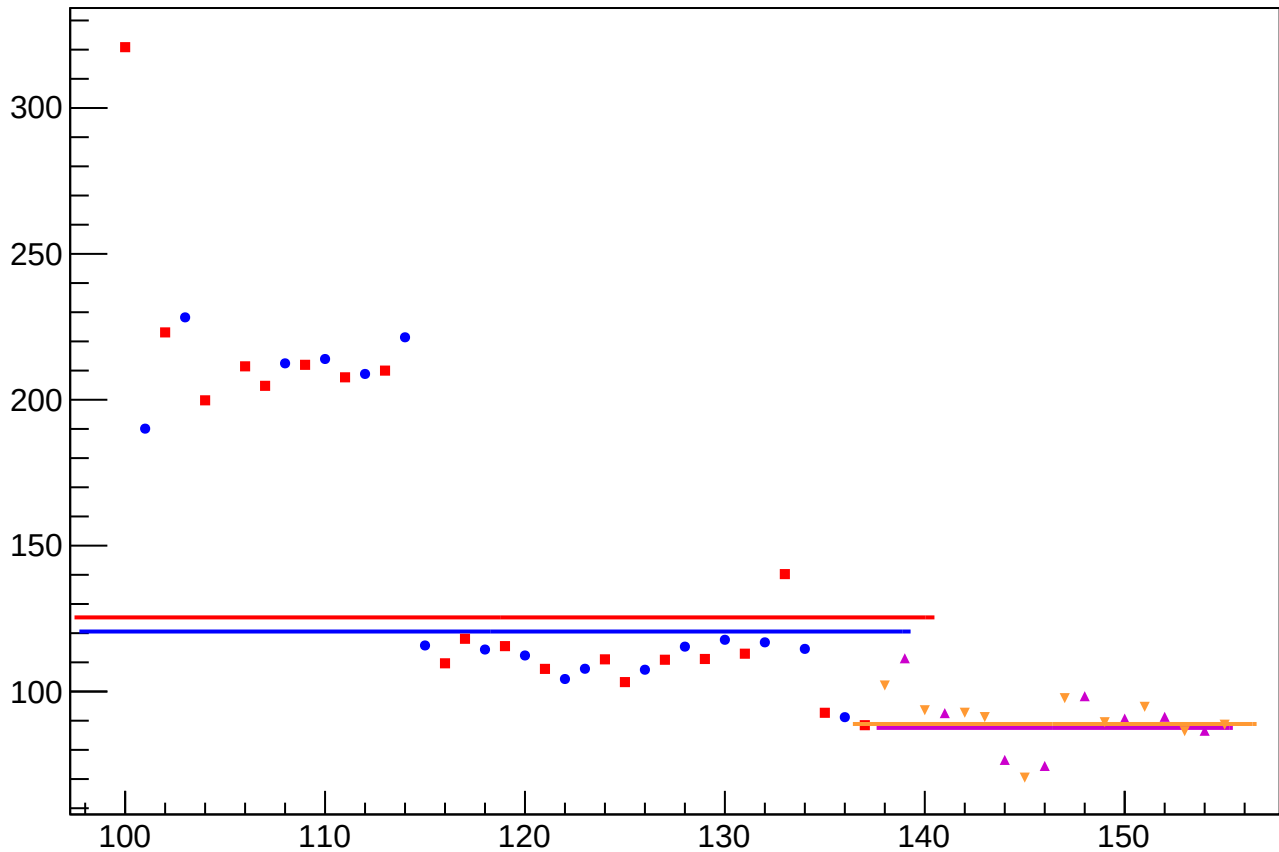
Left In: 86.692 $\pm$ 34.572 χ^2 /NDF:3.8/7

98.372 $\pm$ 27.439 χ^2 /NDF: 34.5/26

91.577 $\pm$ 19.727 χ^2 /NDF: 48.7/54

84.307 $\pm$ 28.381 χ^2 /NDF: 14.1/27

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: 88.871 $\pm$ 0.023 χ^2 /NDF:151042.5/9

Right Out: 125.404 $\pm$ 0.035 χ^2 /NDF: 1334075.7/19

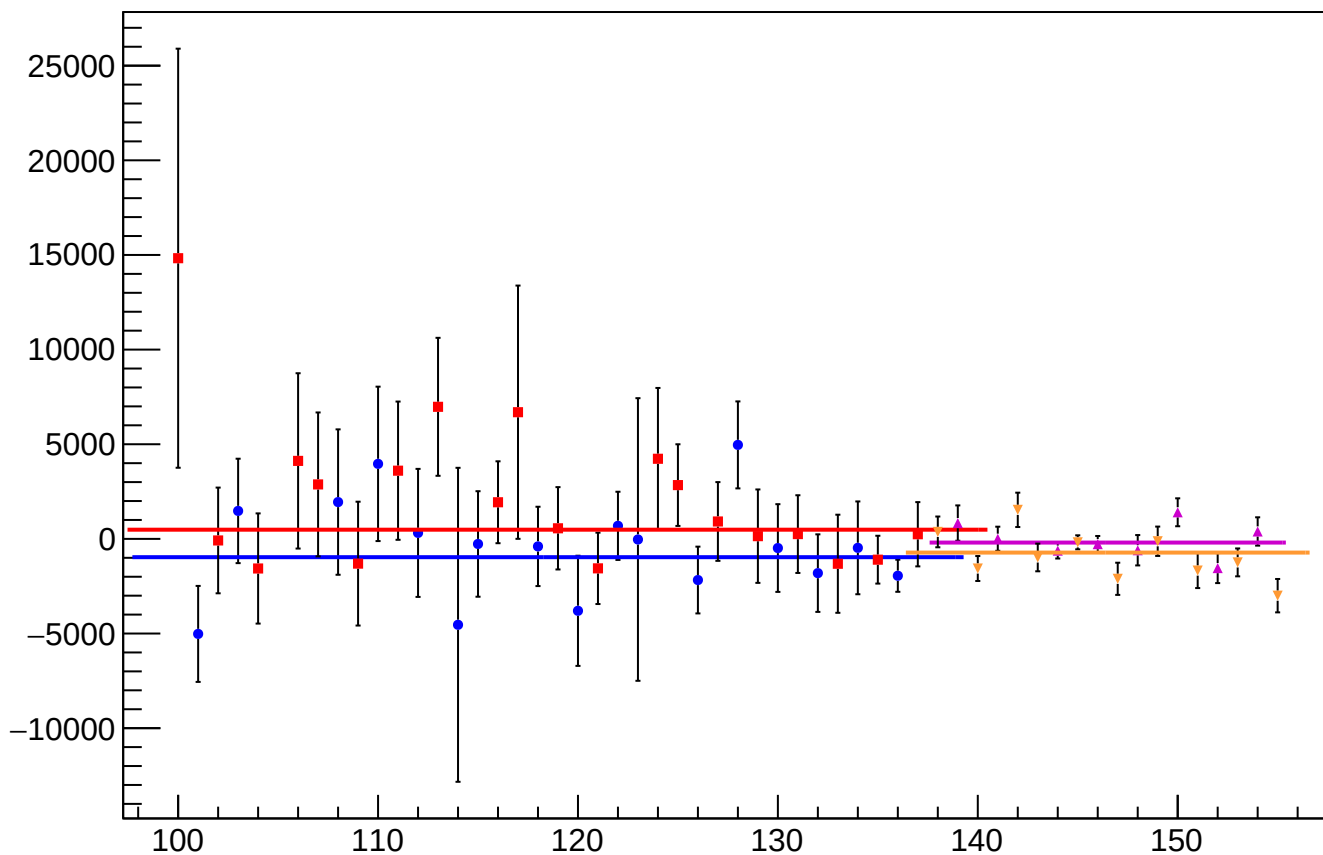
Left In: 87.532 $\pm$ 0.024 χ^2 /NDF:178030.3/7

98.760 $\pm$ 0.019 χ^2 /NDF: 1835936.4/26

99.302 $\pm$ 0.014 χ^2 /NDF: 4132245.2/54

99.881 $\pm$ 0.020 χ^2 /NDF: 2294697.5/27

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



Right In: -966.587+/-512.340 χ^2/NDF : 16.4/16

Left Out: -723.876+/-215.611 χ^2/NDF : 23.3/9

Right Out: 485.654+/-543.567 χ^2/NDF : 14.3/19

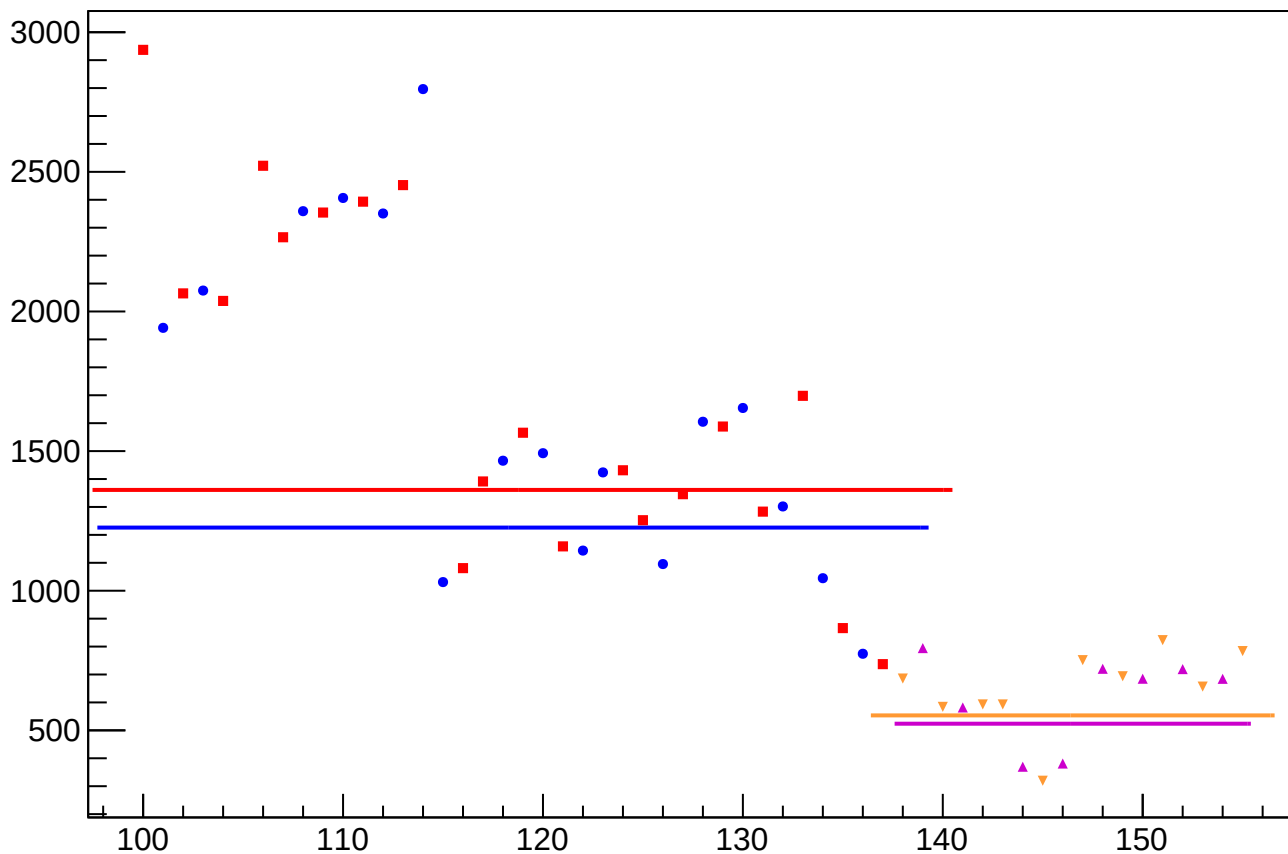
Left In: -194.730+/-215.562 χ^2/NDF : 10.9/7

-760.394+/-198.730 χ^2/NDF : 39.9/26

-434.052+/-141.103 χ^2/NDF : 71.8/54

-102.269+/-200.380 χ^2/NDF : 26.5/27

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: 553.543 $\pm$ 0.152 χ^2 /NDF: 1380701.0/9

Right Out: 1360.972 $\pm$ 0.384 χ^2 /NDF: 1749116.2/19

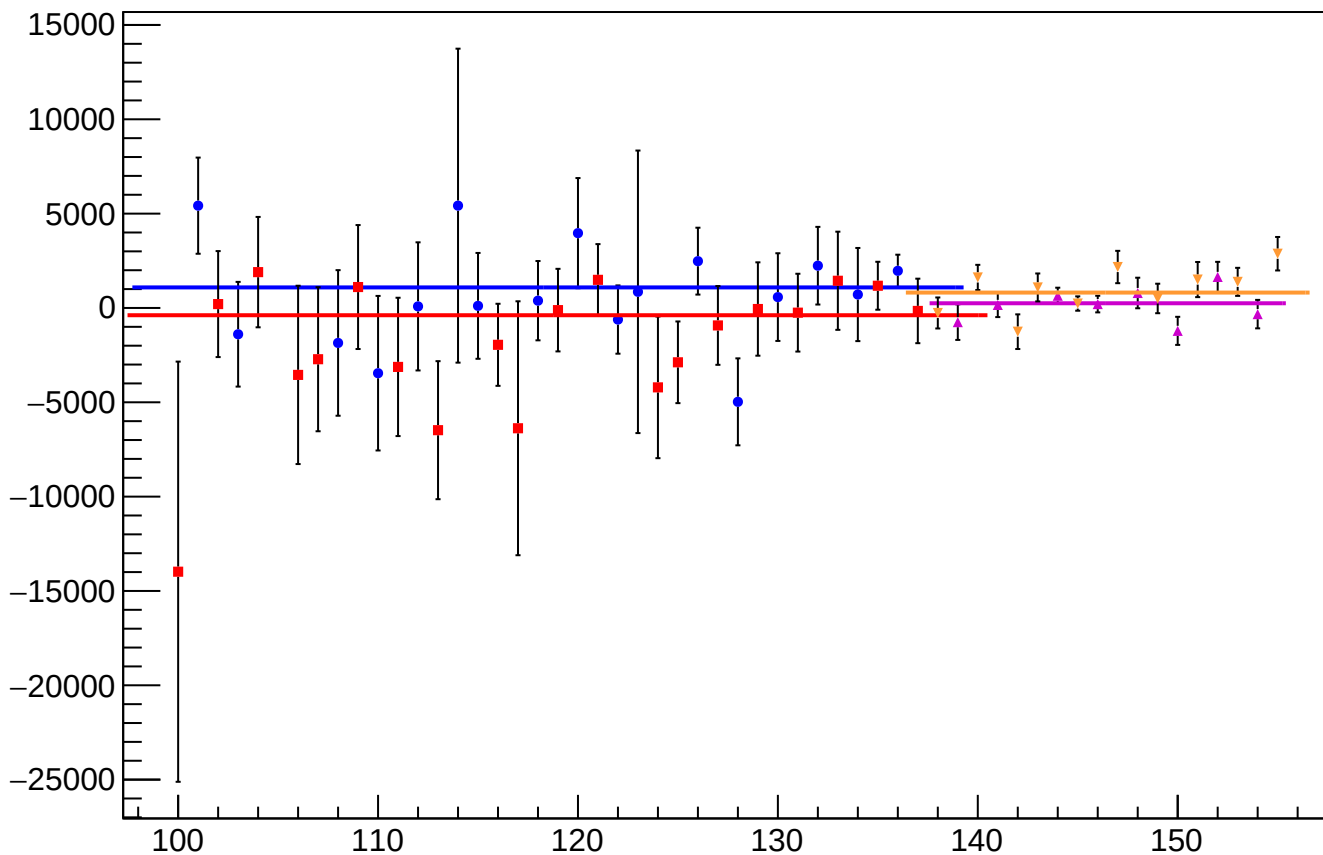
Left In: 523.791 $\pm$ 0.152 χ^2 /NDF: 1106761.2/7

654.739 $\pm$ 0.141 χ^2 /NDF: 6065229.1/26

646.220 $\pm$ 0.100 χ^2 /NDF: 13027994.2/54

637.560 $\pm$ 0.142 χ^2 /NDF: 6955353.8/27

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1089.066+/-515.272 χ^2/NDF : 16.9/16

Left Out: 815.651+/-218.933 χ^2/NDF : 19.9/9

Right Out: -385.391+/-546.382 χ^2/NDF : 13.3/19

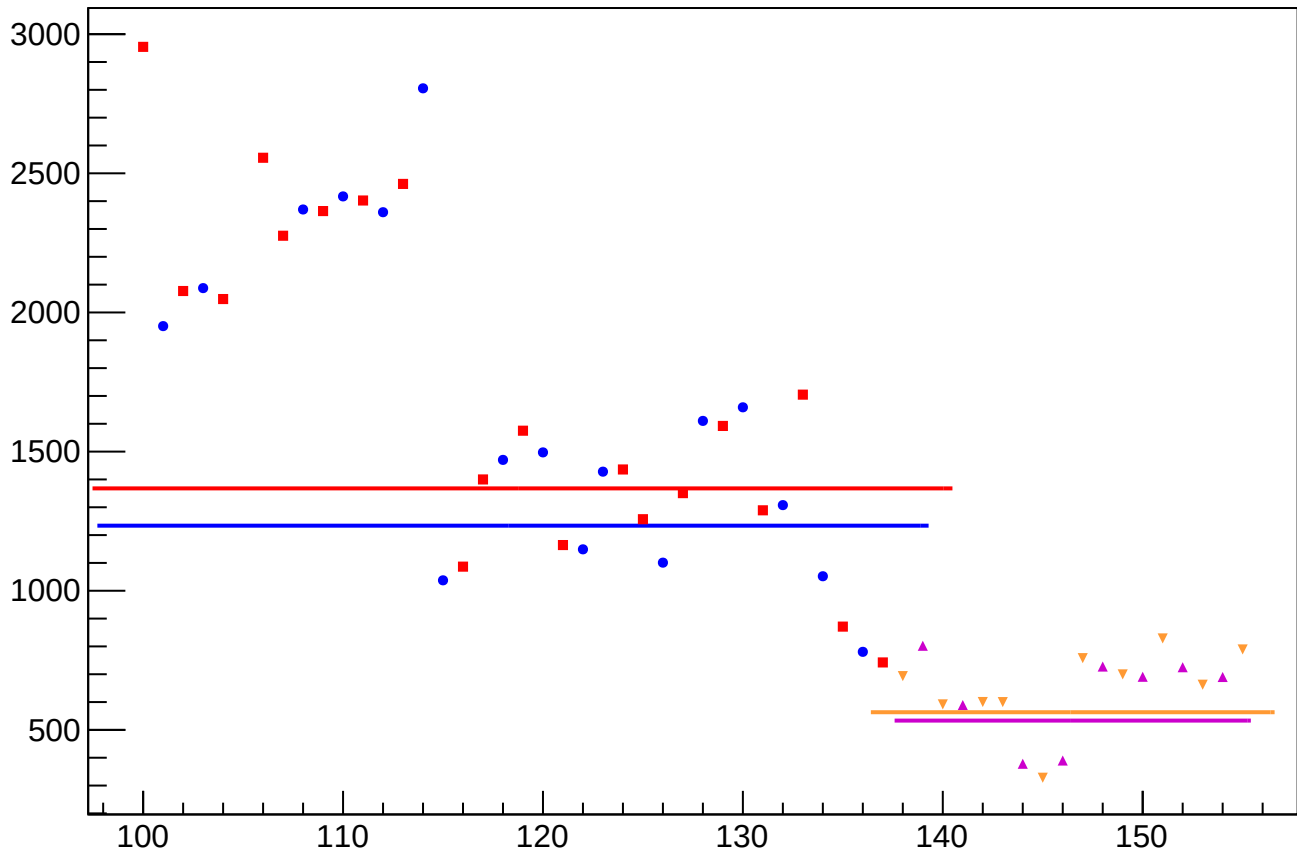
Left In: 248.951+/-219.066 χ^2/NDF : 10.0/7

857.463+/-201.499 χ^2/NDF : 37.1/26

512.434+/-143.125 χ^2/NDF : 67.4/54

161.102+/-203.331 χ^2/NDF : 24.4/27

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1233.863 +/- 0.364 χ^2/NDF : 1744048.5/16

Left Out: 563.510 +/- 0.155 χ^2/NDF : 1315297.6/9

Right Out: 1367.823 +/- 0.386 χ^2/NDF : 1744640.3/19

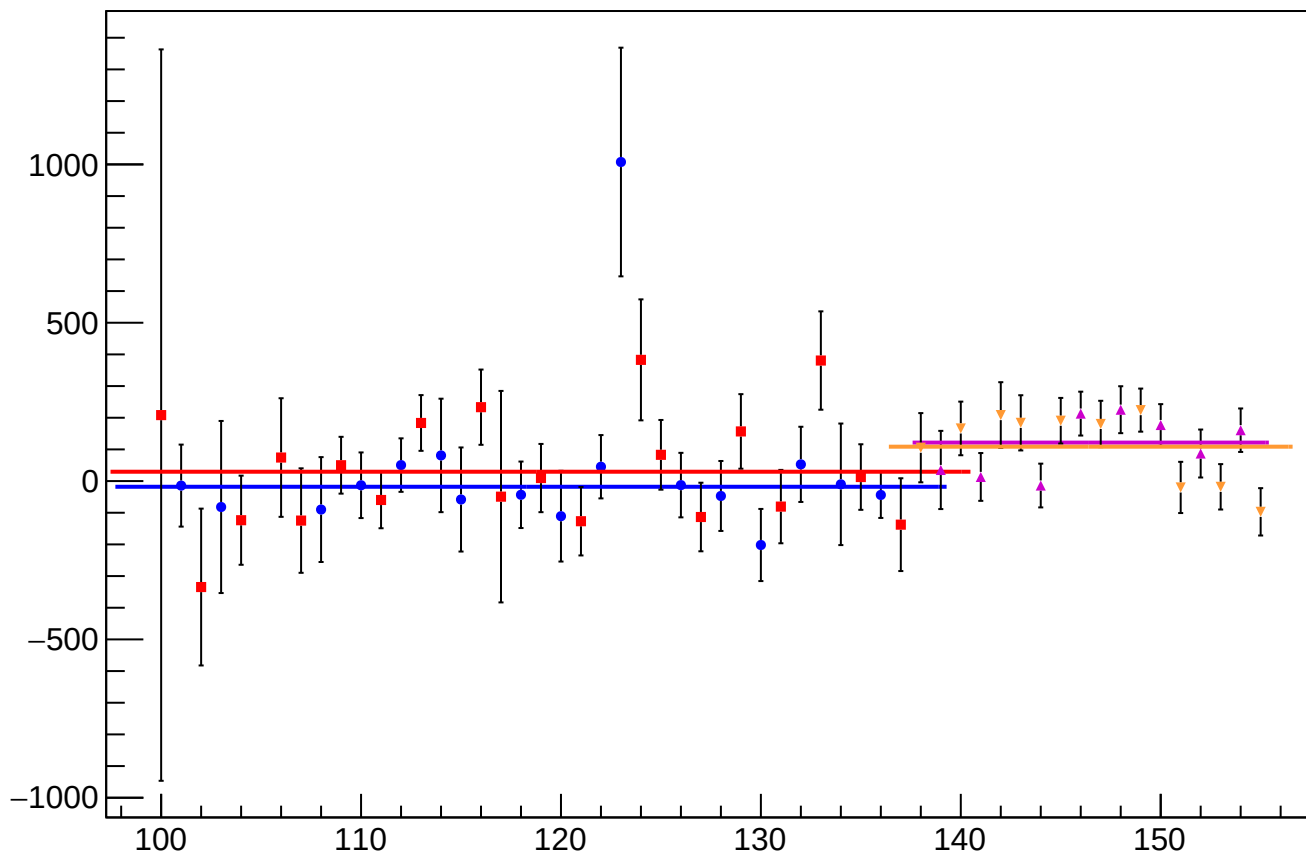
Left In: 533.447 +/- 0.155 χ^2/NDF : 1060692.4/7

666.022 +/- 0.142 χ^2/NDF : 5926737.3/26

657.587 +/- 0.101 χ^2/NDF : 12757250.3/54

648.999 +/- 0.144 χ^2/NDF : 6823440.7/27

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -17.972 ± 28.848 χ^2/NDF : 13.4/16

Left Out: 108.596 ± 25.239 χ^2/NDF : 20.5/9

Right Out: 29.517 ± 27.879 χ^2/NDF : 27.5/19

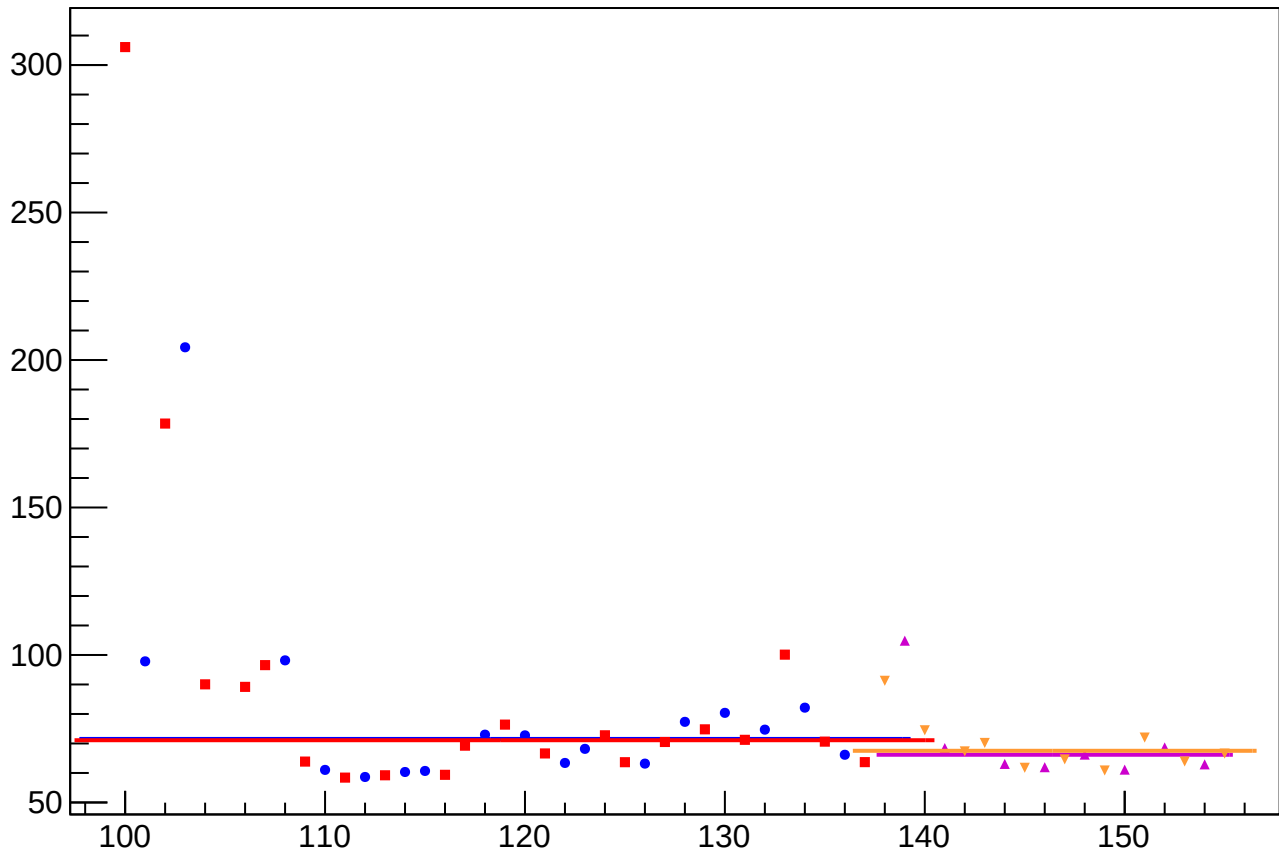
Left In: 121.501 ± 26.188 χ^2/NDF : 11.4/7

53.719 ± 18.995 χ^2/NDF : 44.8/26

65.991 ± 13.464 χ^2/NDF : 90.2/54

78.382 ± 19.088 χ^2/NDF : 44.6/27

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 71.536+/-0.020 χ^2/NDF : 758961.6/16

Left Out: 67.518+/-0.018 χ^2/NDF :156428.8/9

Right Out: 71.102+/-0.020 χ^2/NDF : 765220.8/19

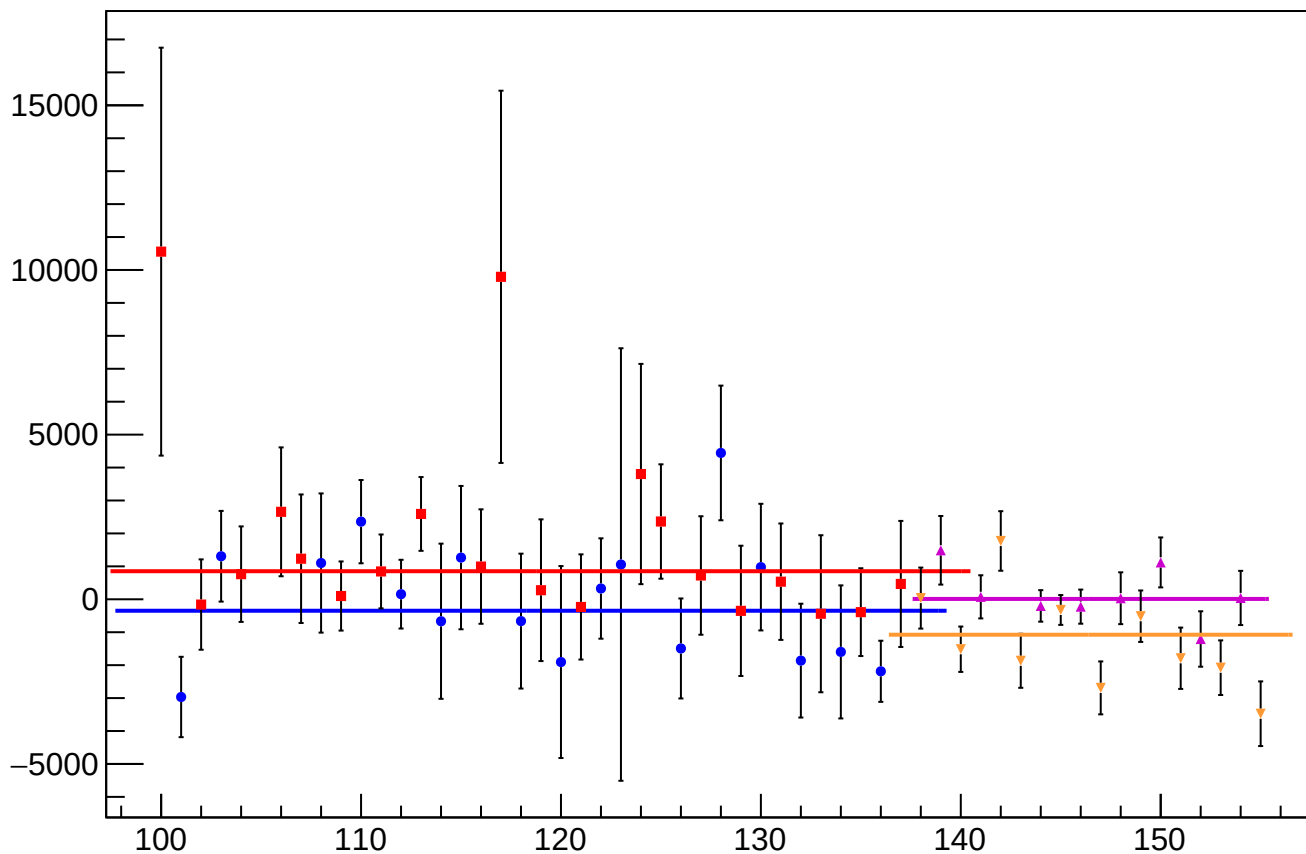
Left In: 66.176+/-0.019 χ^2/NDF :227806.8/7

69.260+/-0.013 χ^2/NDF : 937359.9/26

68.875+/-0.010 χ^2/NDF : 1965209.3/54

68.485+/-0.013 χ^2/NDF : 1026193.0/27

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: -347.939+/-381.994 χ^2/NDF : 24.1/16

Left Out: -1076.141+/-237.761 χ^2/NDF : 28.0/9

Right Out: 852.433+/-369.018 χ^2/NDF : 13.0/19

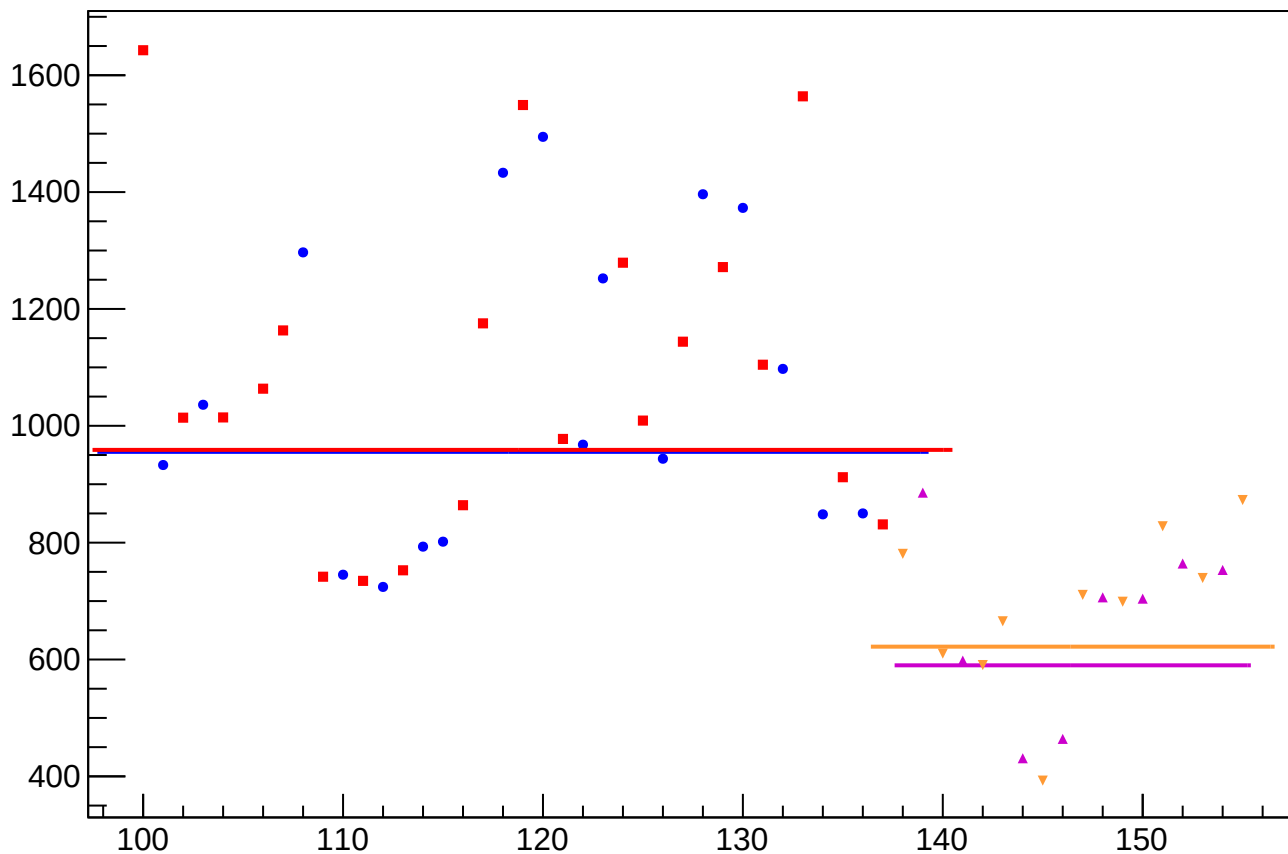
Left In: 10.769+/-238.376 χ^2/NDF : 6.7/7

-872.804+/-201.855 χ^2/NDF : 54.7/26

-302.550+/-142.156 χ^2/NDF : 93.9/54

258.576+/-200.233 χ^2/NDF : 23.3/27

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



Right In: 955.425+/-0.270 χ^2/NDF : 646512.4/16

Left Out: 621.998+/-0.168 χ^2/NDF : 892308.6/9

Right Out: 958.776+/-0.261 χ^2/NDF : 696031.2/19

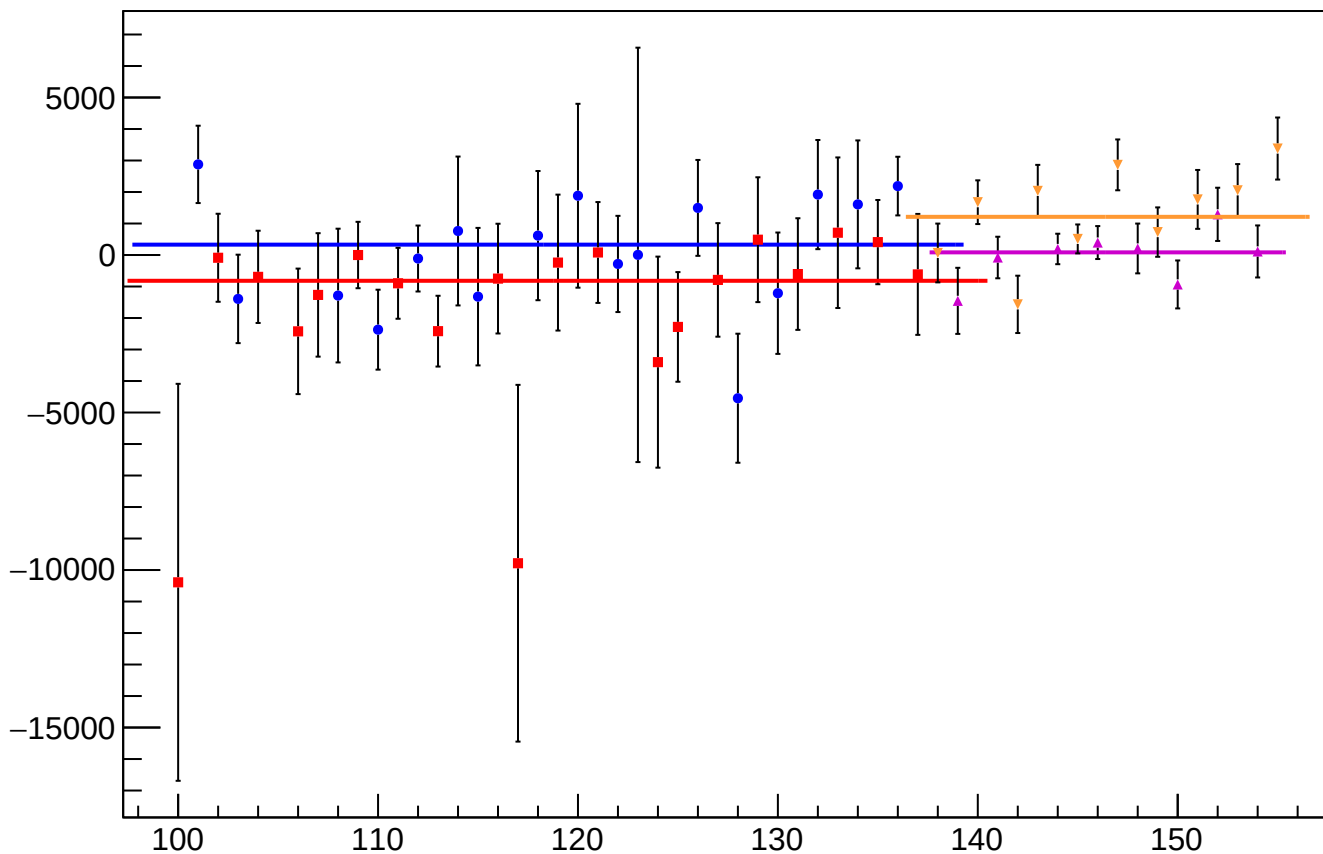
Left In: 590.050+/-0.169 χ^2/NDF : 754252.0/7

715.101+/-0.143 χ^2/NDF : 2637109.8/26

706.790+/-0.101 χ^2/NDF : 5503041.1/54

698.612+/-0.142 χ^2/NDF : 2859204.2/27

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 329.164 ± 383.728 χ^2/NDF : 24.3/16

Left Out: 1212.029 ± 239.520 χ^2/NDF : 25.4/9

Right Out: -818.253 ± 370.875 χ^2/NDF : 11.8/19

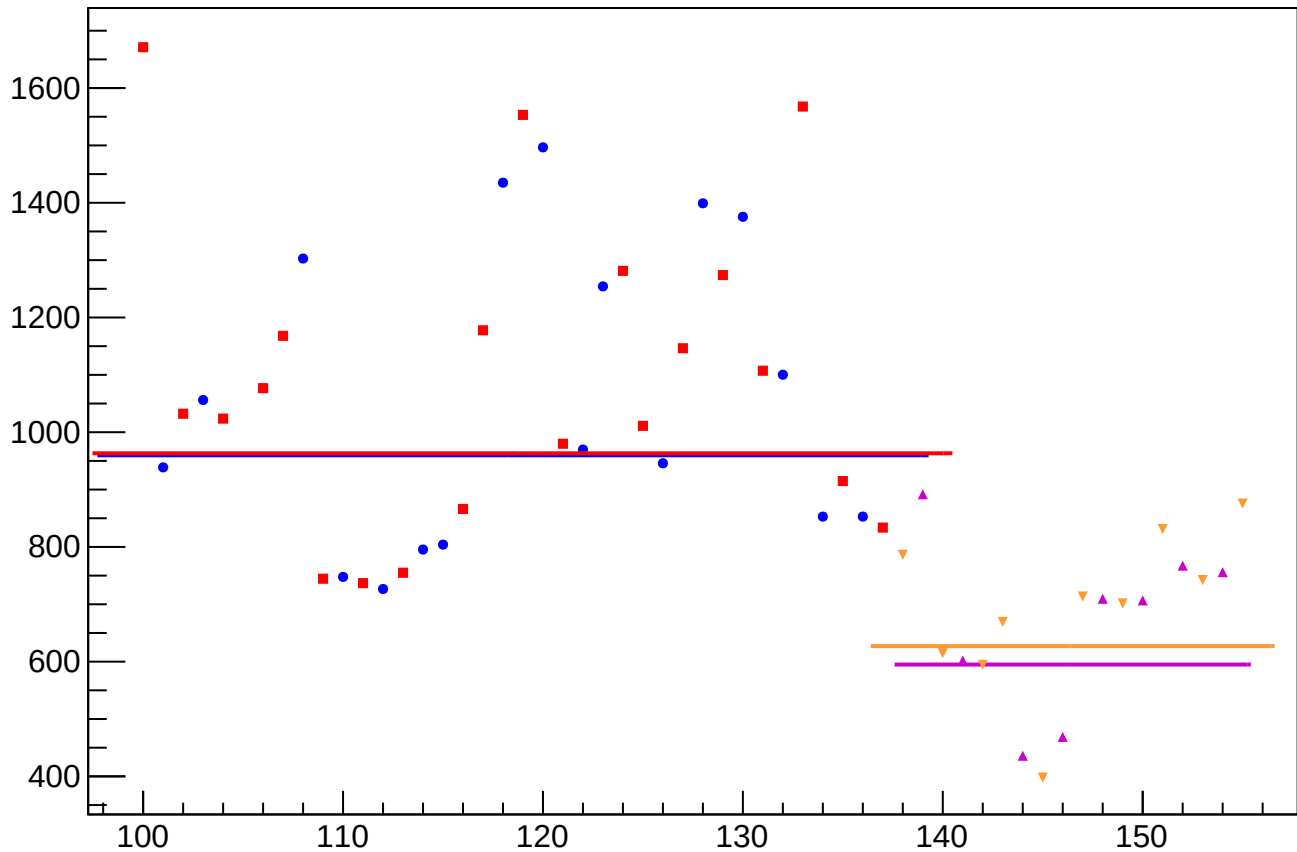
Left In: 84.005 ± 240.183 χ^2/NDF : 6.5/7

964.494 ± 203.186 χ^2/NDF : 53.5/26

386.454 ± 143.110 χ^2/NDF : 92.0/54

-182.592 ± 201.599 χ^2/NDF : 22.5/27

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 959.770 +/- 0.271 χ^2/NDF : 646727.9/16

Left Out: 627.133 +/- 0.169 χ^2/NDF : 867867.4/9

Right Out: 963.238 +/- 0.262 χ^2/NDF : 698638.3/19

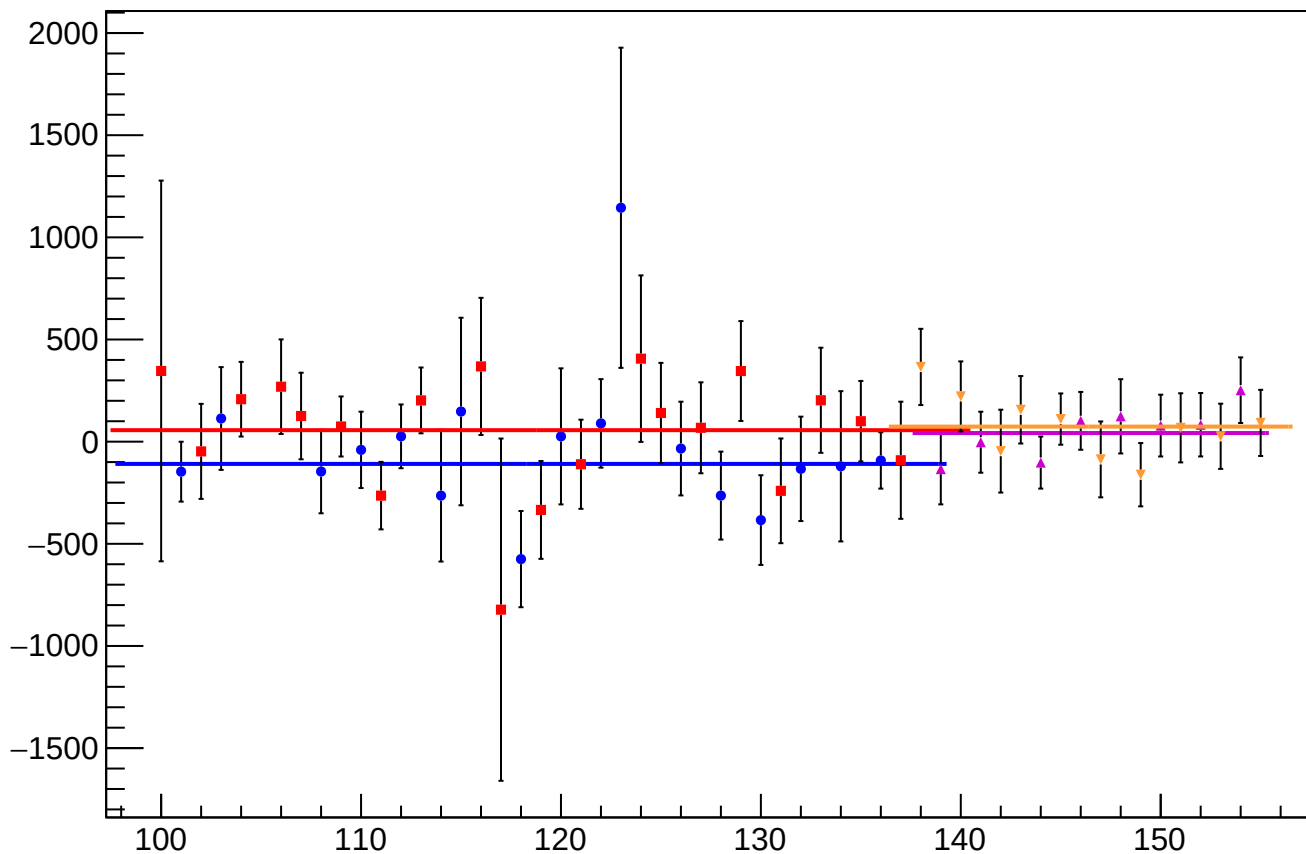
Left In: 594.959 +/- 0.170 χ^2/NDF : 737624.9/7

720.397 +/- 0.144 χ^2/NDF : 2596103.4/26

712.022 +/- 0.101 χ^2/NDF : 5428499.7/54

703.777 +/- 0.143 χ^2/NDF : 2825653.1/27

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -108.977 ± 52.923 χ^2/NDF : 12.0/16

Left Out: 73.759 ± 51.957 χ^2/NDF : 7.0/9

Right Out: 56.241 ± 50.729 χ^2/NDF : 16.0/19

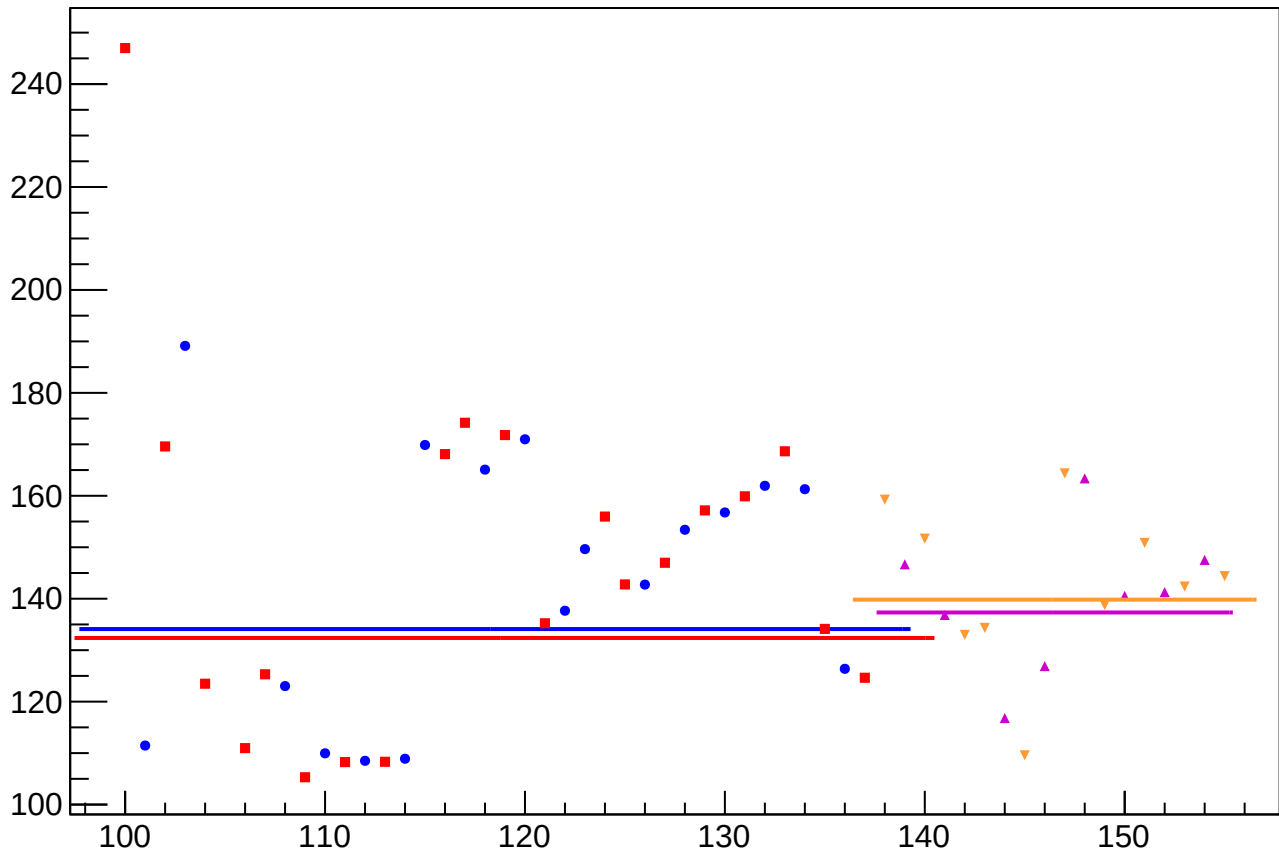
Left In: 42.233 ± 53.894 χ^2/NDF : 4.6/7

-15.926 ± 37.076 χ^2/NDF : 25.1/26

16.988 ± 26.168 χ^2/NDF : 47.3/54

49.660 ± 36.939 χ^2/NDF : 20.6/27

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: 139.817 $\pm$ 0.037 χ^2/NDF : 197584.1/9

Right Out: 132.373 $\pm$ 0.036 χ^2/NDF : 446741.9/19

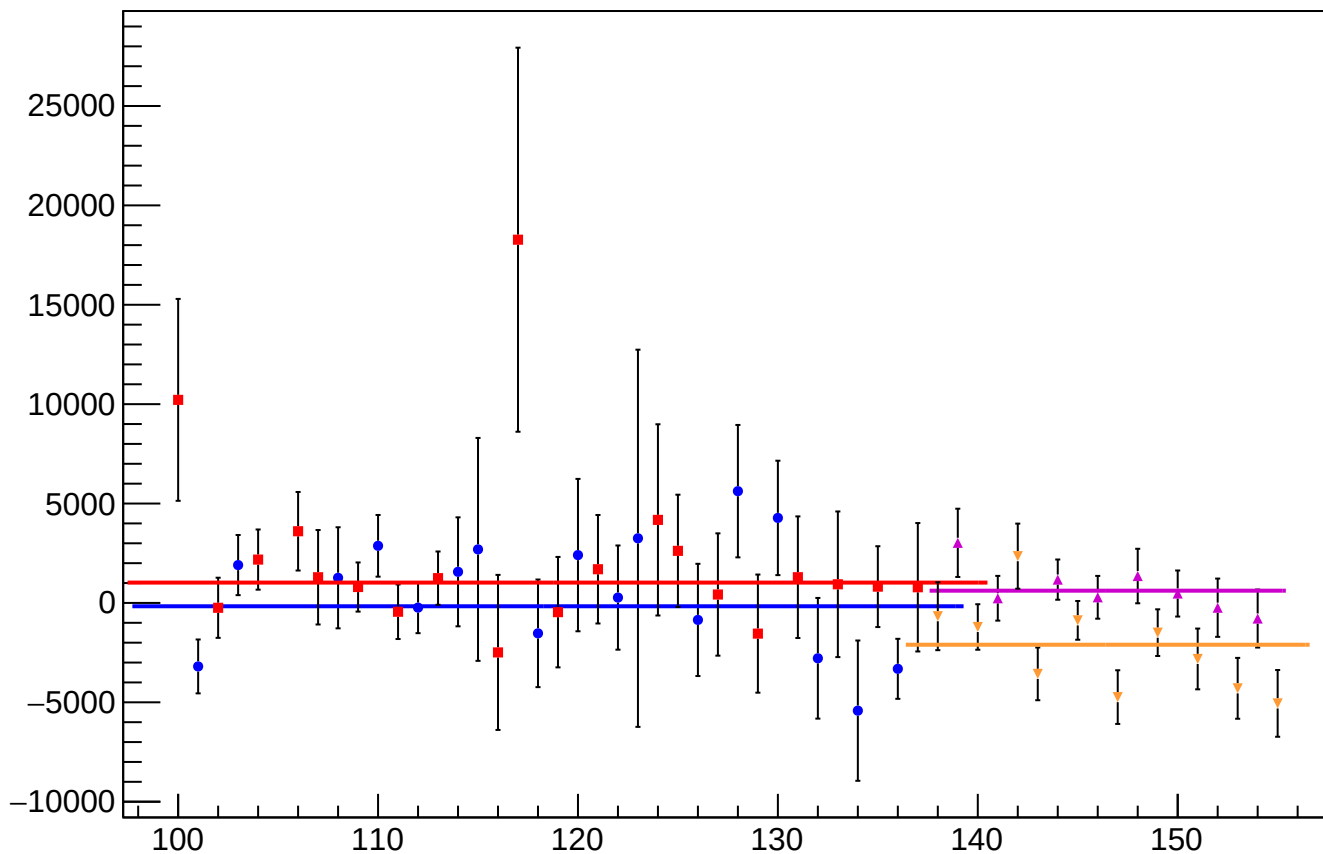
Left In: 137.326 $\pm$ 0.038 χ^2/NDF : 120070.2/7

137.013 $\pm$ 0.026 χ^2/NDF : 612034.9/26

135.852 $\pm$ 0.019 χ^2/NDF : 1191710.7/54

134.700 $\pm$ 0.026 χ^2/NDF : 575769.6/27

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



Right In: -168.237+/-523.672 χ^2/NDF : 25.3/16

Left Out: -2103.363+/-423.209 χ^2/NDF : 21.0/9

Right Out: 1023.271+/-480.373 χ^2/NDF : 13.4/19

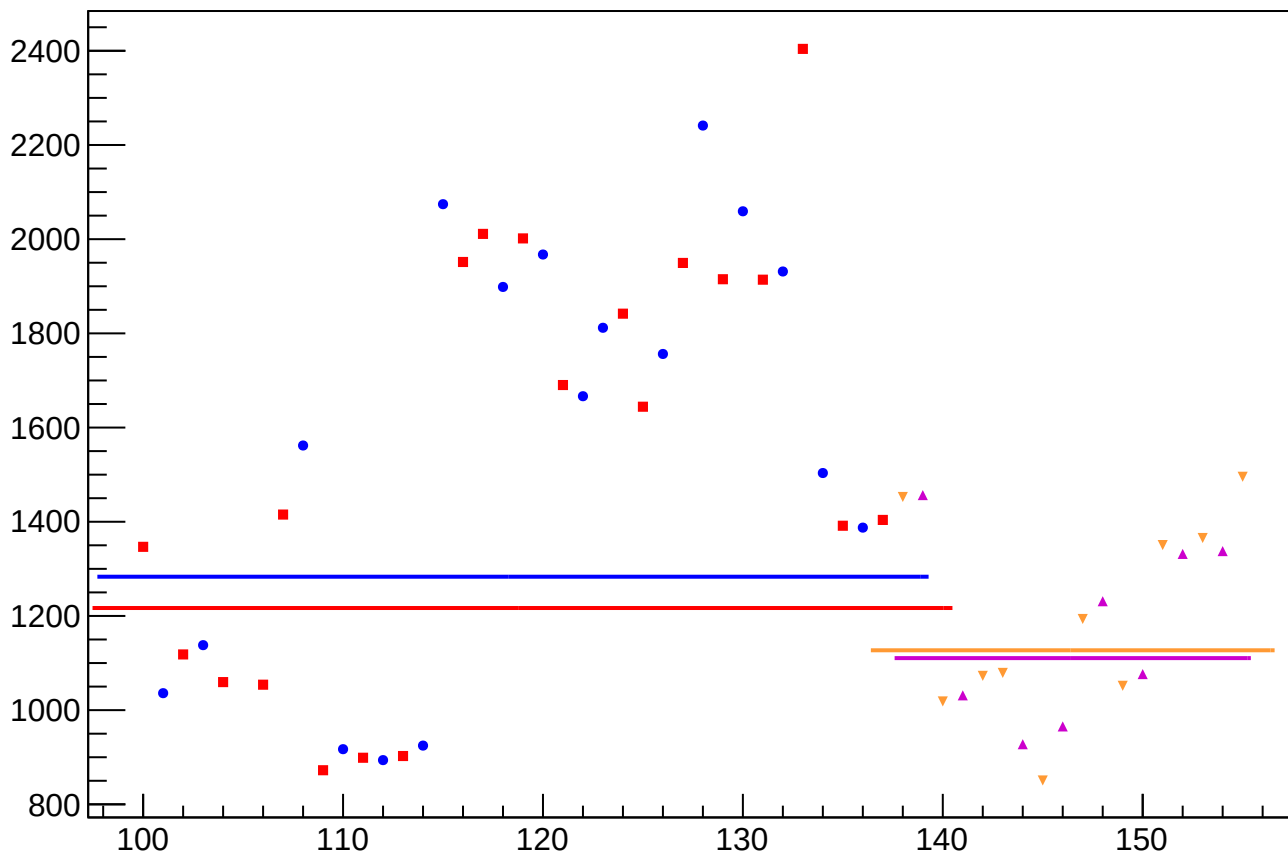
Left In: 615.909+/-439.331 χ^2/NDF : 4.0/7

-1338.830+/-329.157 χ^2/NDF : 54.5/26

-252.436+/-230.975 χ^2/NDF : 93.8/54

801.447+/-324.194 χ^2/NDF : 17.8/27

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: 1127.086 $\pm$ 0.299 χ^2 /NDF: 456975.2/9

Right Out: 1216.852 $\pm$ 0.340 χ^2 /NDF: 1374416.0/19

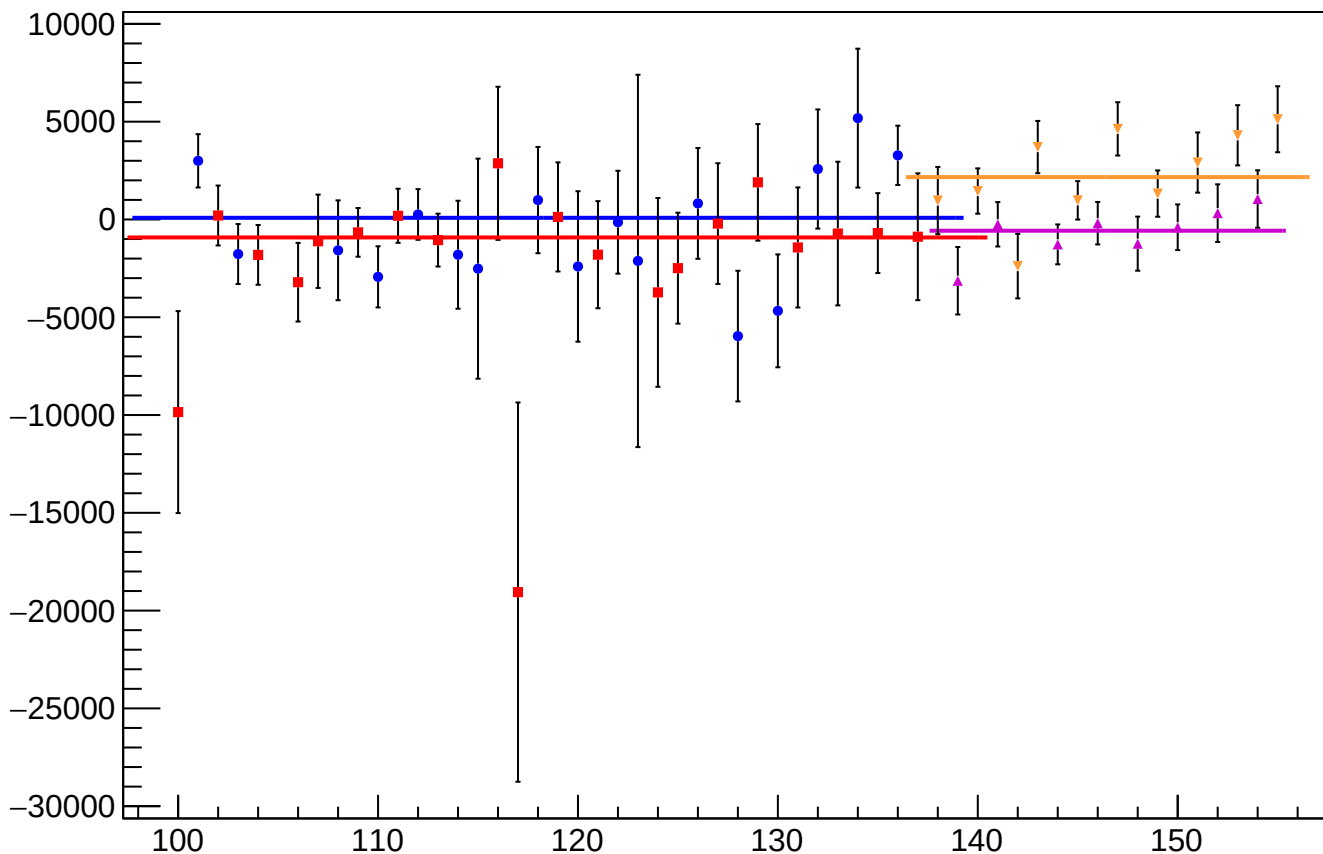
Left In: 1110.462 $\pm$ 0.311 χ^2 /NDF: 304101.8/7

1188.810 $\pm$ 0.233 χ^2 /NDF: 1734089.7/26

1173.637 $\pm$ 0.163 χ^2 /NDF: 3474399.6/54

1158.918 $\pm$ 0.229 χ^2 /NDF: 1731937.6/27

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 85.077 ± 527.082 χ^2/NDF : 24.7/16

Left Out: 2166.406 ± 426.645 χ^2/NDF : 20.3/9

Right Out: -919.892 ± 484.043 χ^2/NDF : 12.2/19

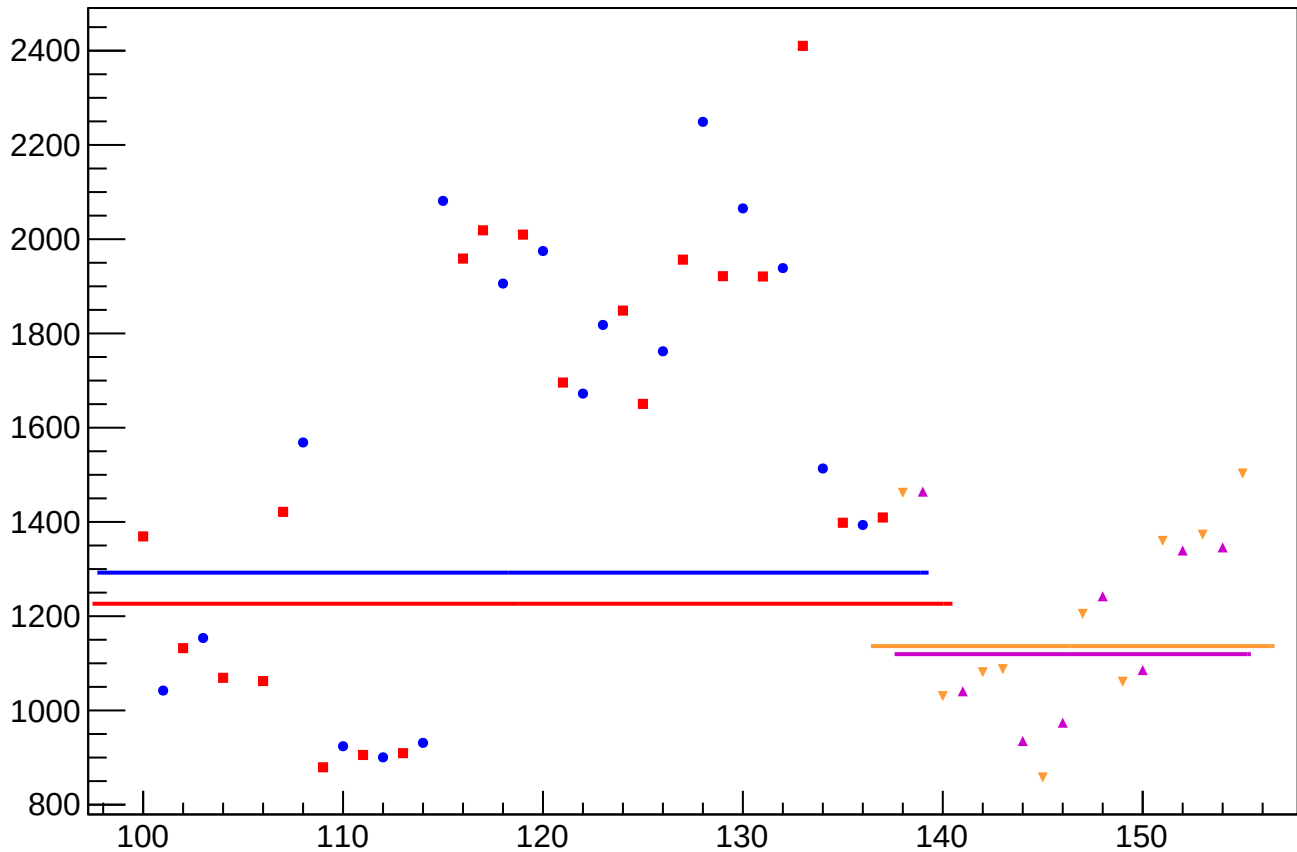
Left In: -575.314 ± 442.807 χ^2/NDF : 4.7/7

1342.522 ± 331.620 χ^2/NDF : 54.4/26

289.662 ± 232.739 χ^2/NDF : 91.4/54

-732.303 ± 326.719 χ^2/NDF : 17.2/27

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1292.426+/-0.373 χ^2/NDF : 1156576.0/16

Left Out: 1136.540+/-0.302 χ^2/NDF : 451052.8/9

Right Out: 1226.408+/-0.342 χ^2/NDF : 1359134.9/19

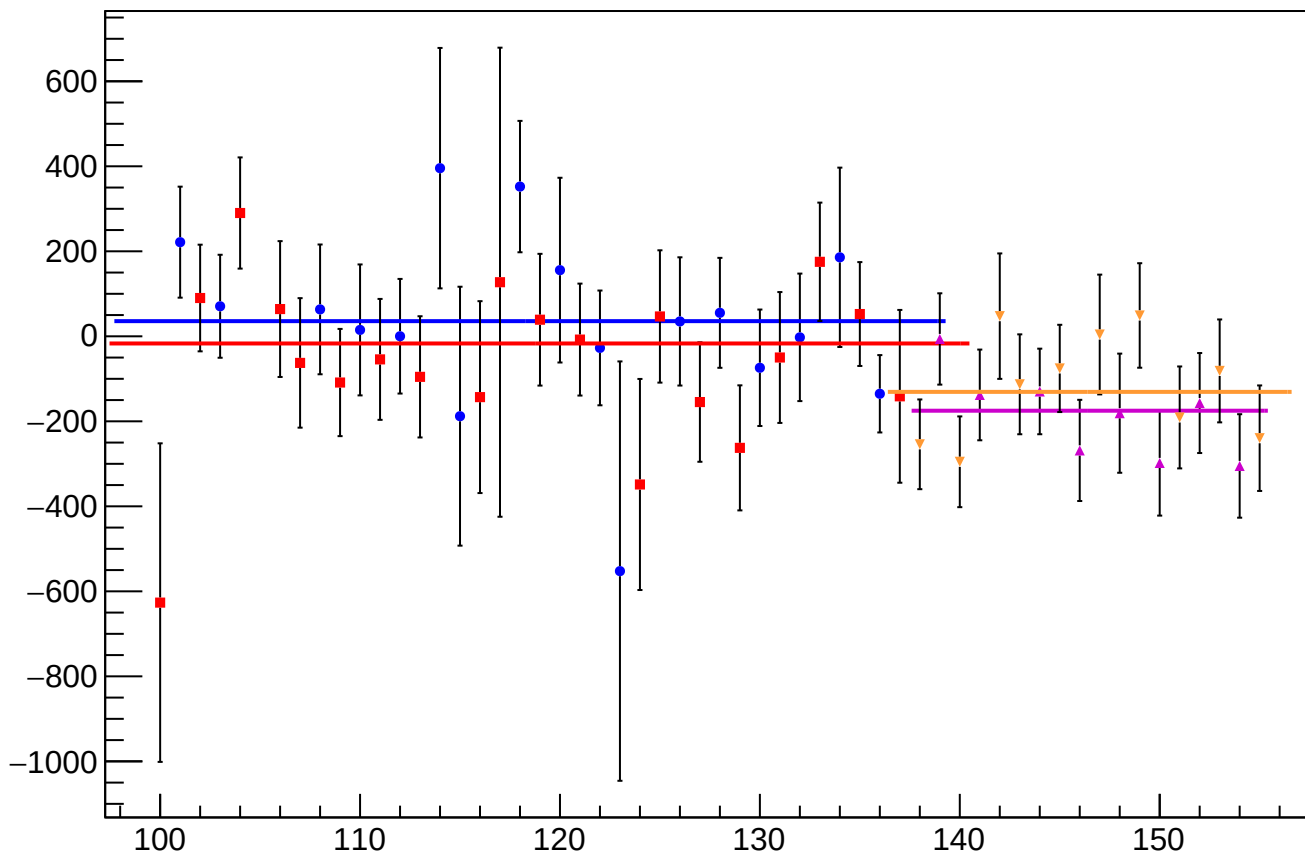
Left In: 1119.466+/-0.313 χ^2/NDF : 300290.8/7

1198.247+/-0.234 χ^2/NDF : 1713318.7/26

1182.994+/-0.165 χ^2/NDF : 3434229.7/54

1168.189+/-0.231 χ^2/NDF : 1712573.1/27

reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 35.679+/-36.350 χ^2/NDF : 15.3/16

Left Out: -130.729+/-37.532 χ^2/NDF : 9.8/9

Right Out: -16.849+/-34.623 χ^2/NDF : 19.0/19

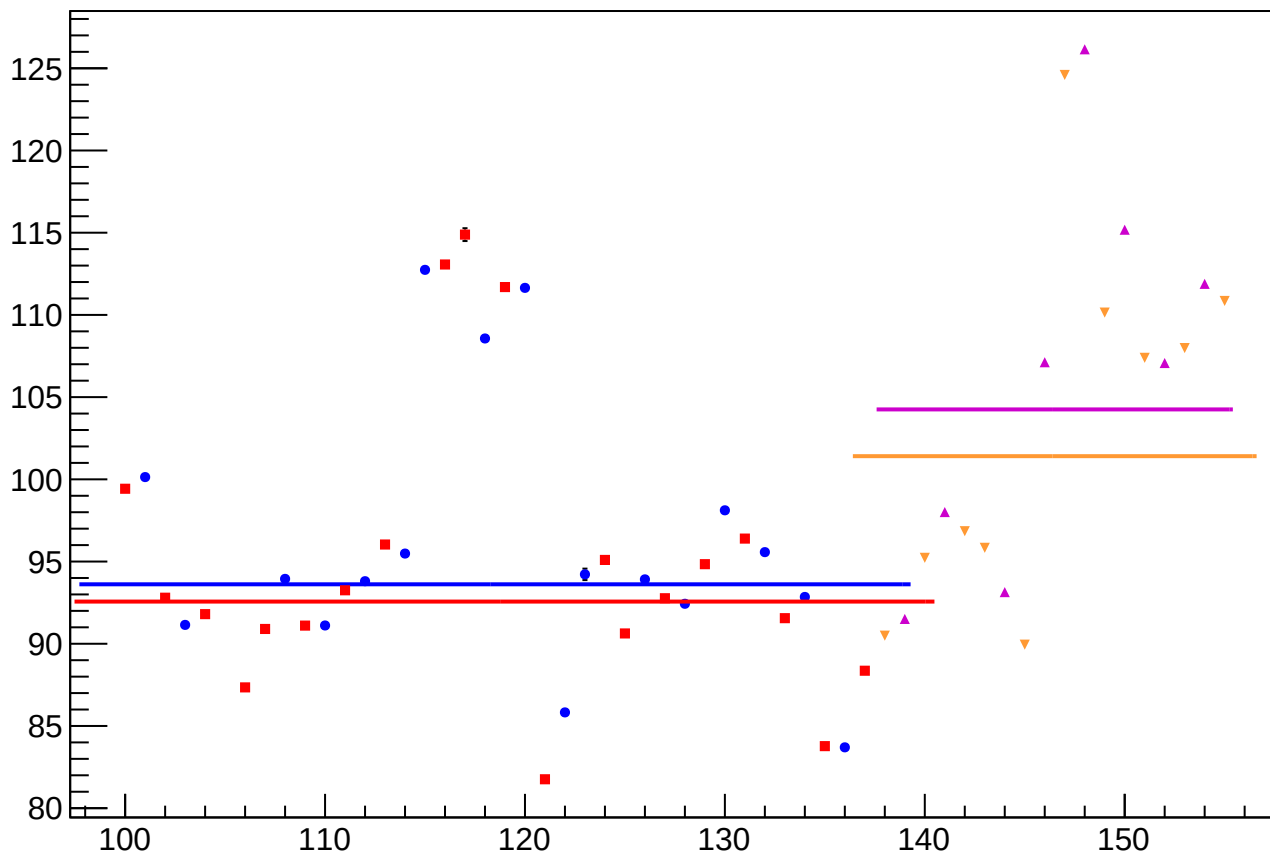
Left In: -175.051+/-40.840 χ^2/NDF : 5.6/7

-44.865+/-26.111 χ^2/NDF : 35.2/26

-63.717+/-18.568 χ^2/NDF : 69.5/54

-83.003+/-26.410 χ^2/NDF : 33.3/27

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 93.616+/-0.026 χ^2/NDF : 79928.5/16

Left Out: 101.409+/-0.027 χ^2/NDF : 146134.4/9

Right Out: 92.565+/-0.024 χ^2/NDF : 81875.5/19

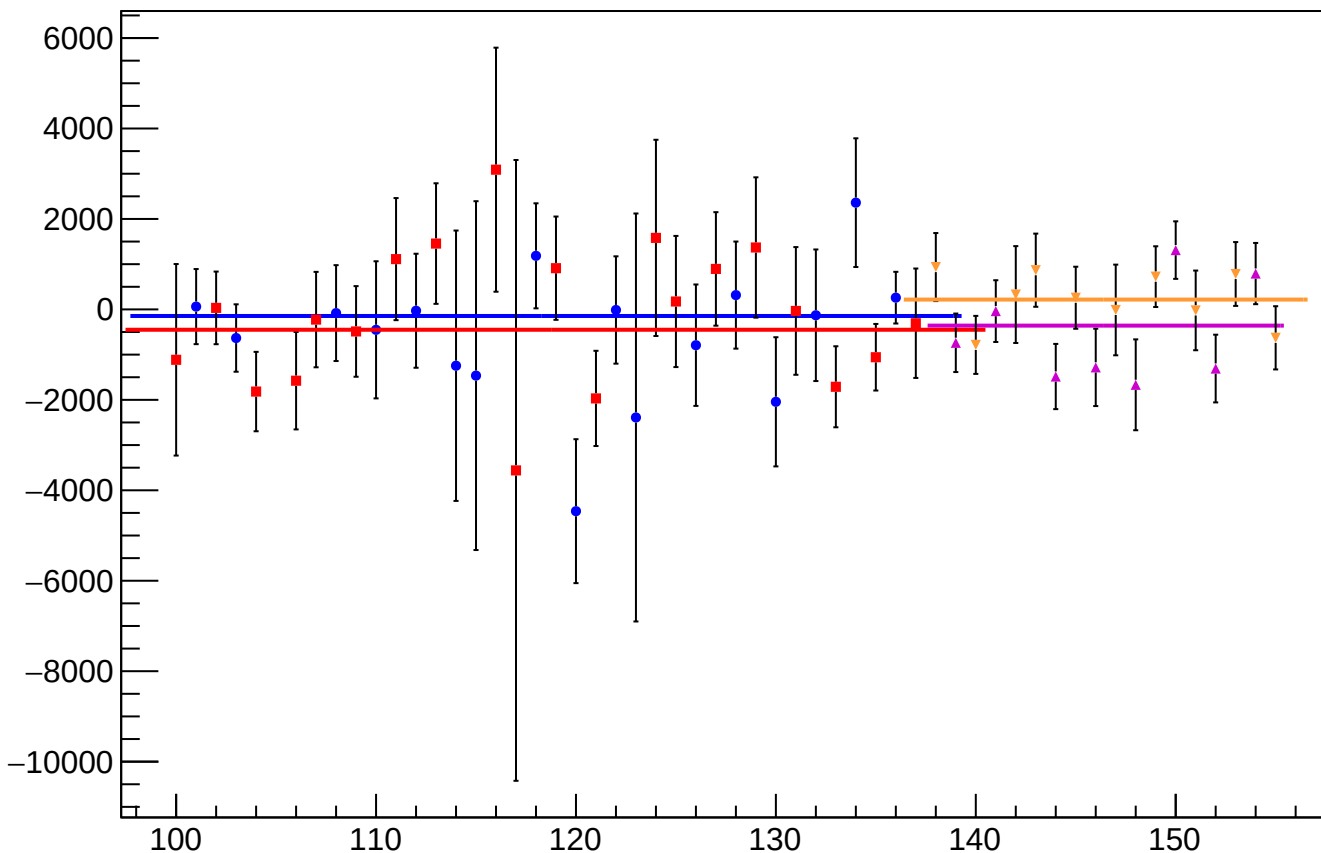
Left In: 104.252+/-0.029 χ^2/NDF : 133937.4/7

97.388+/-0.018 χ^2/NDF : 270550.3/26

97.420+/-0.013 χ^2/NDF : 581660.8/54

97.452+/-0.019 χ^2/NDF : 311104.4/27

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



Right In: -145.464 $\pm$ 276.629 χ^2 /NDF: 15.5/16

Left Out: 217.336 $\pm$ 240.564 χ^2 /NDF: 6.8/9

Right Out: -450.047 $\pm$ 260.089 χ^2 /NDF: 19.2/19

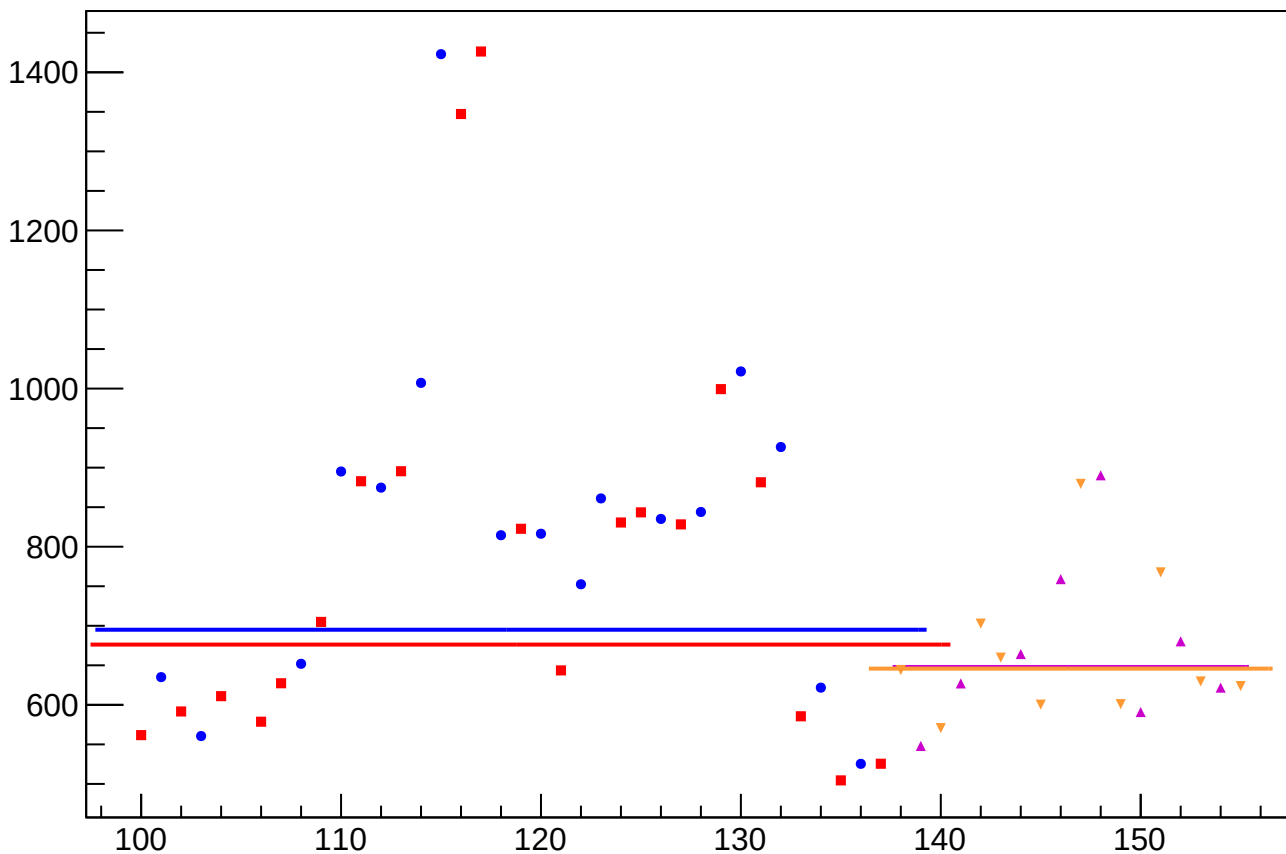
Left In: -358.543 $\pm$ 256.038 χ^2 /NDF: 17.3/7

61.113 $\pm$ 181.525 χ^2 /NDF: 23.3/26

-170.037 $\pm$ 128.687 χ^2 /NDF: 63.0/54

-403.577 $\pm$ 182.461 χ^2 /NDF: 36.5/27

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: 645.821 $\pm$ 0.170 χ^2 /NDF: 201383.3/9

Right Out: 676.229 $\pm$ 0.184 χ^2 /NDF: 700313.6/19

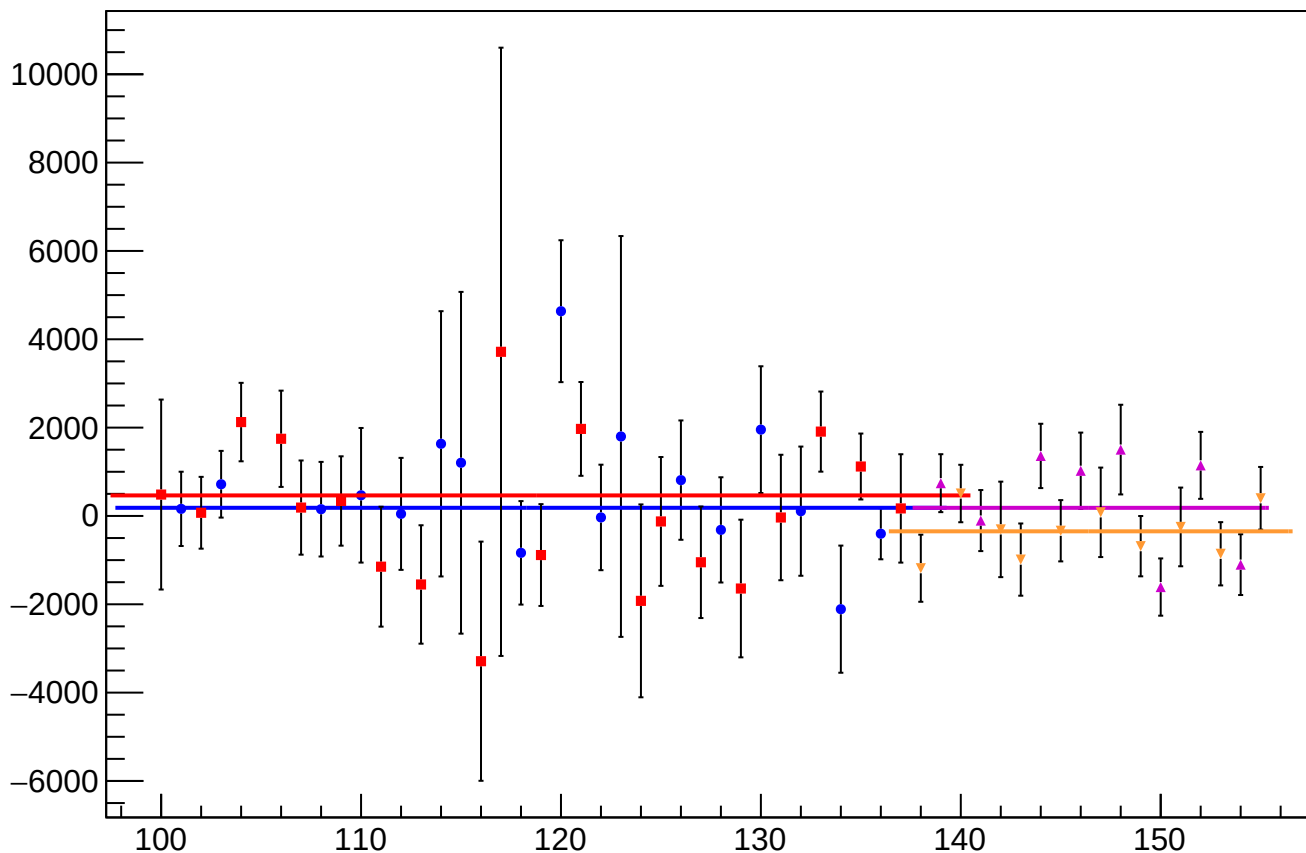
Left In: 647.924 $\pm$ 0.181 χ^2 /NDF: 223526.0/7

667.004 $\pm$ 0.128 χ^2 /NDF: 915108.5/26

664.442 $\pm$ 0.091 χ^2 /NDF: 1851778.7/54

661.854 $\pm$ 0.129 χ^2 /NDF: 935869.6/27

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 184.518 $\pm$ 279.390 χ^2 /NDF: 14.9/16

Left Out: -348.098 $\pm$ 243.681 χ^2 /NDF: 5.6/9

Right Out: 464.916 $\pm$ 262.768 χ^2 /NDF: 22.5/19

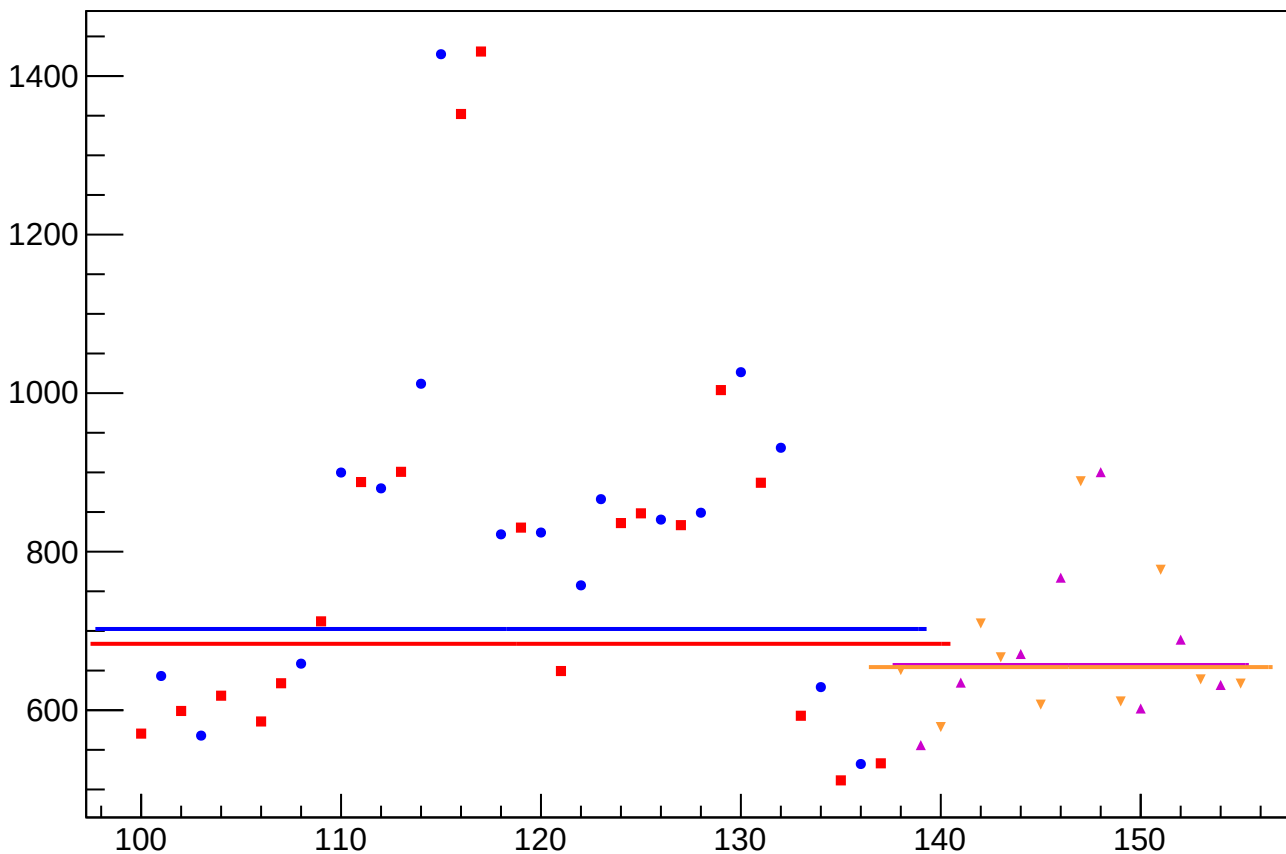
Left In: 183.694 $\pm$ 259.536 χ^2 /NDF: 18.9/7

-117.982 $\pm$ 183.644 χ^2 /NDF: 22.6/26

101.086 $\pm$ 130.211 χ^2 /NDF: 67.5/54

322.565 $\pm$ 184.652 χ^2 /NDF: 42.0/27

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 702.469 ± 0.198 χ^2/NDF : 660525.4/16

Left Out: 654.397 ± 0.172 χ^2/NDF : 197923.6/9

Right Out: 683.751 ± 0.186 χ^2/NDF : 683105.3/19

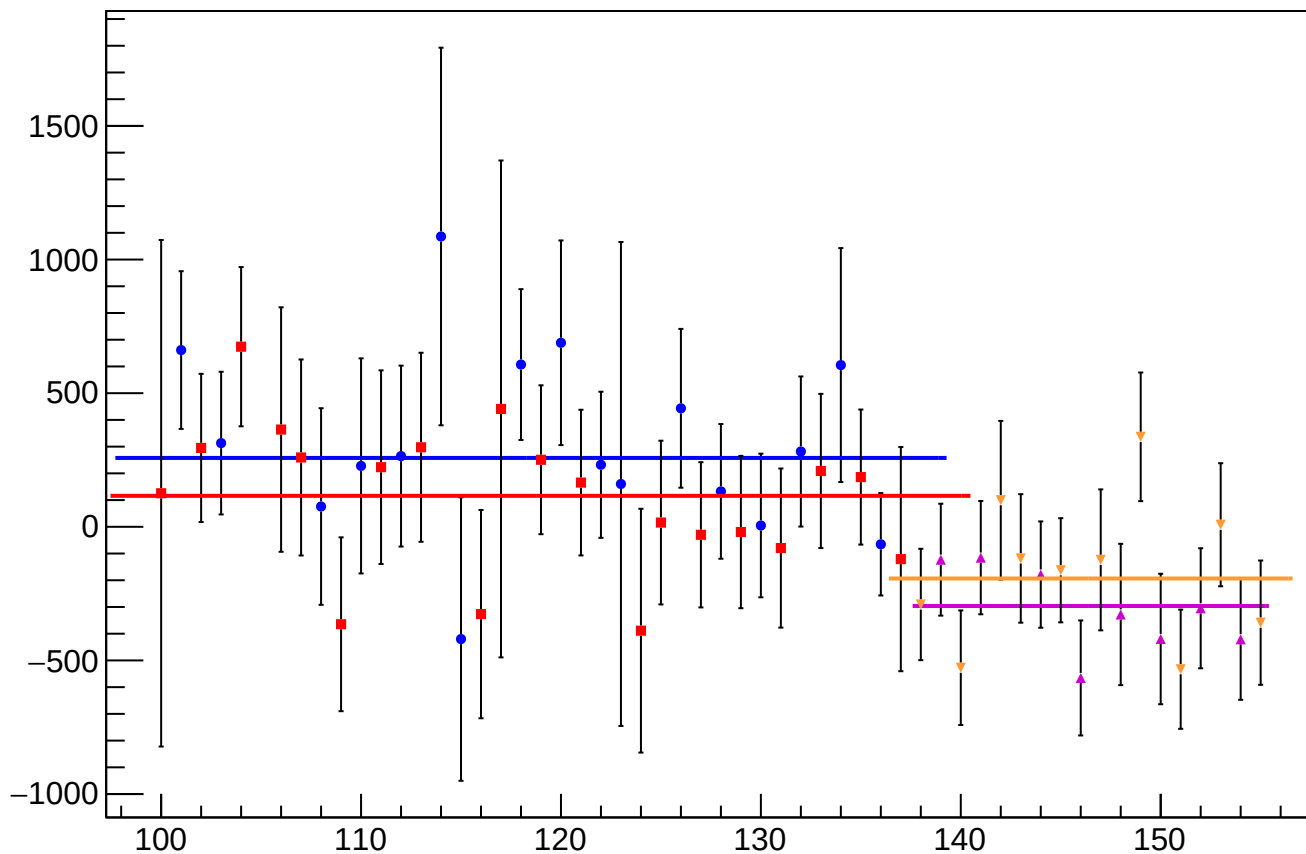
Left In: 657.043 ± 0.184 χ^2/NDF : 218155.4/7

675.166 ± 0.130 χ^2/NDF : 892077.0/26

672.713 ± 0.092 χ^2/NDF : 1804514.6/54

670.232 ± 0.131 χ^2/NDF : 911719.6/27

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: -193.465 ± 72.760 $\chi^2/\text{NDF}: 12.2/9$

Right Out: 115.922 ± 73.976 $\chi^2/\text{NDF}: 11.4/19$

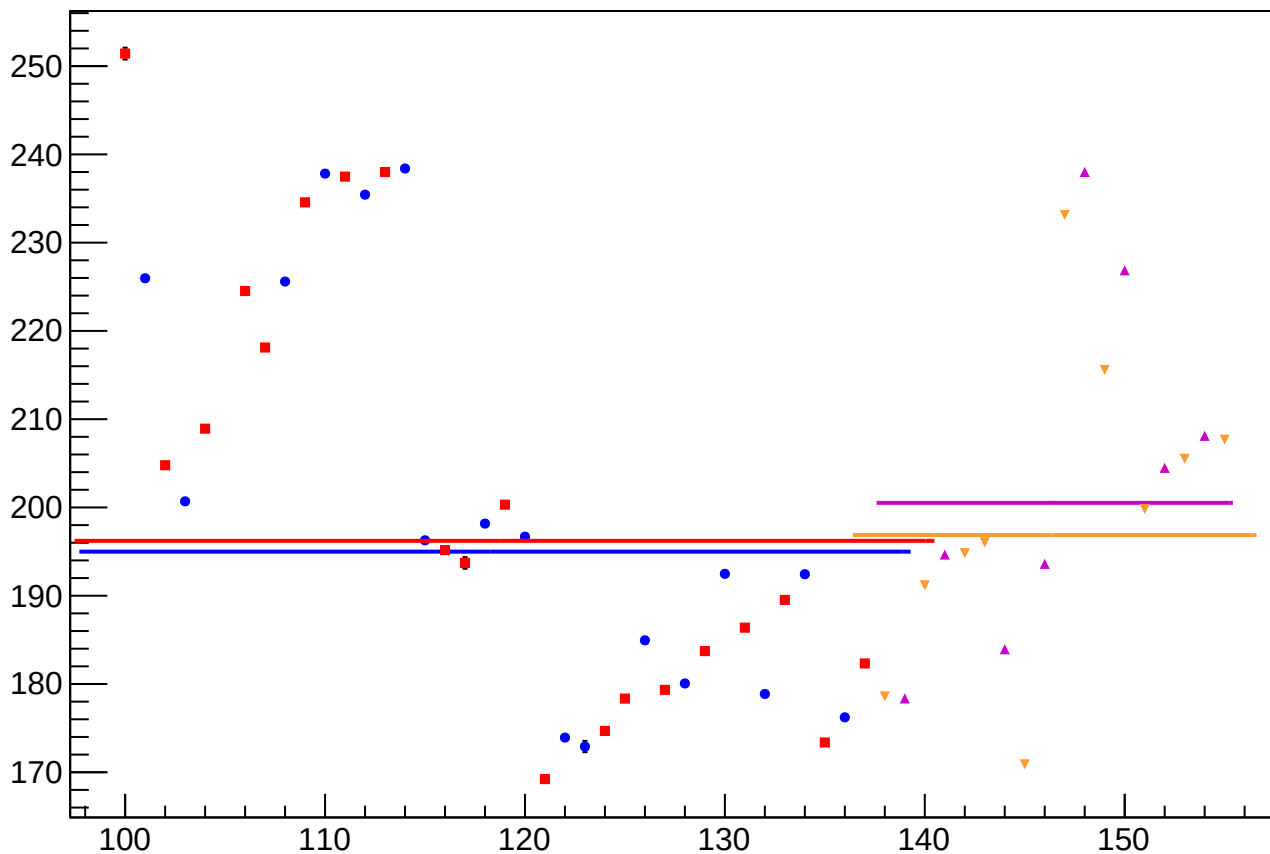
Left In: -296.240 ± 78.476 $\chi^2/\text{NDF}: 3.9/7$

22.510 ± 52.534 $\chi^2/\text{NDF}: 43.7/26$

-26.522 ± 37.597 $\chi^2/\text{NDF}: 75.3/54$

-78.001 ± 53.830 $\chi^2/\text{NDF}: 29.9/27$

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 194.994 $\pm$ 0.054 χ^2 /NDF: 144271.1/16

Left Out: 196.870 $\pm$ 0.051 χ^2 /NDF:109843.6/9

Right Out: 196.219 $\pm$ 0.052 χ^2 /NDF: 173506.2/19

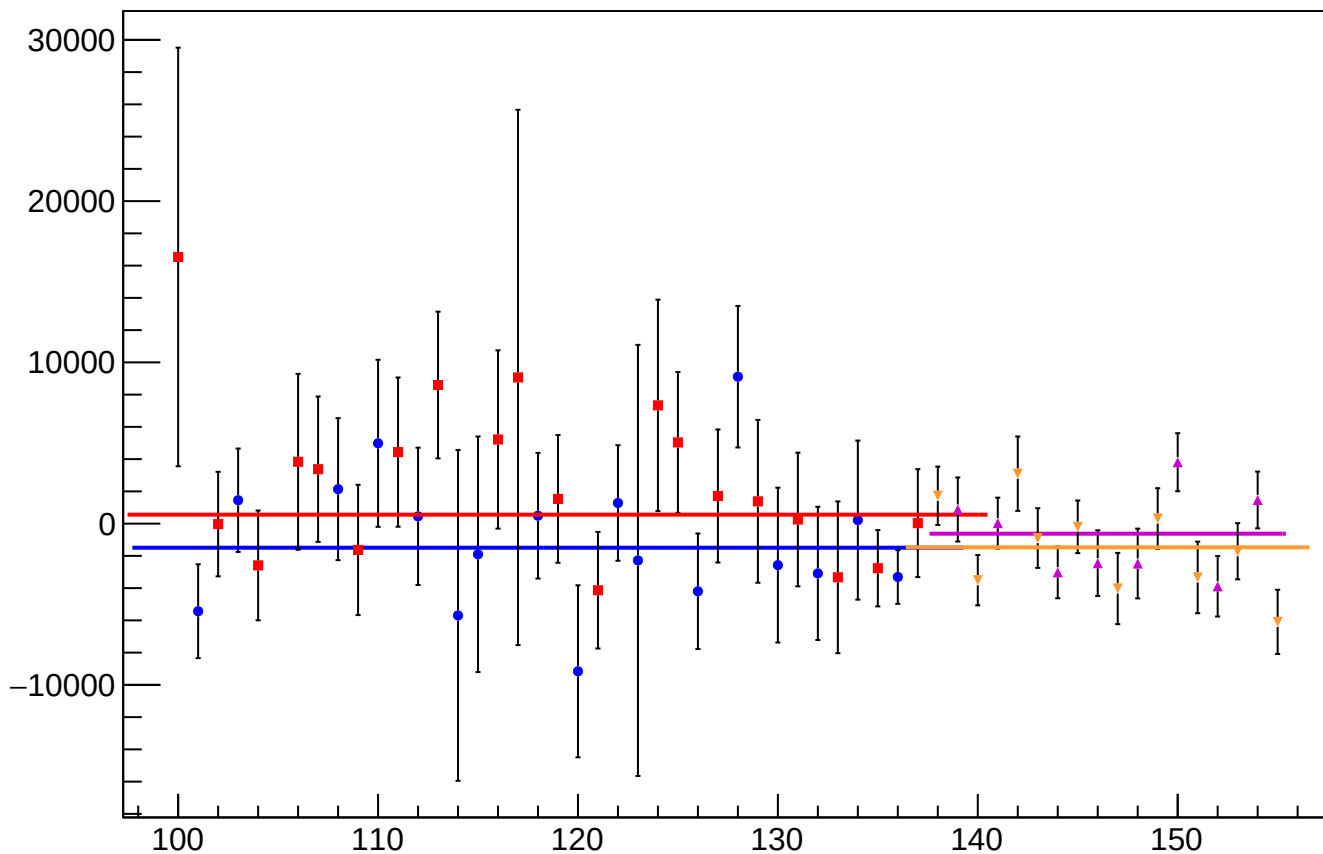
Left In: 200.523 $\pm$ 0.055 χ^2 /NDF:106268.1/7

195.972 $\pm$ 0.037 χ^2 /NDF: 254750.9/26

197.080 $\pm$ 0.027 χ^2 /NDF: 539535.7/54

198.244 $\pm$ 0.038 χ^2 /NDF: 282960.0/27

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -1493.280 $\pm$ 910.834 χ^2/NDF : 16.1/16

Left Out: -1469.457 $\pm$ 592.795 χ^2/NDF : 17.8/9

Right Out: 555.744 $\pm$ 933.239 χ^2/NDF : 14.9/19

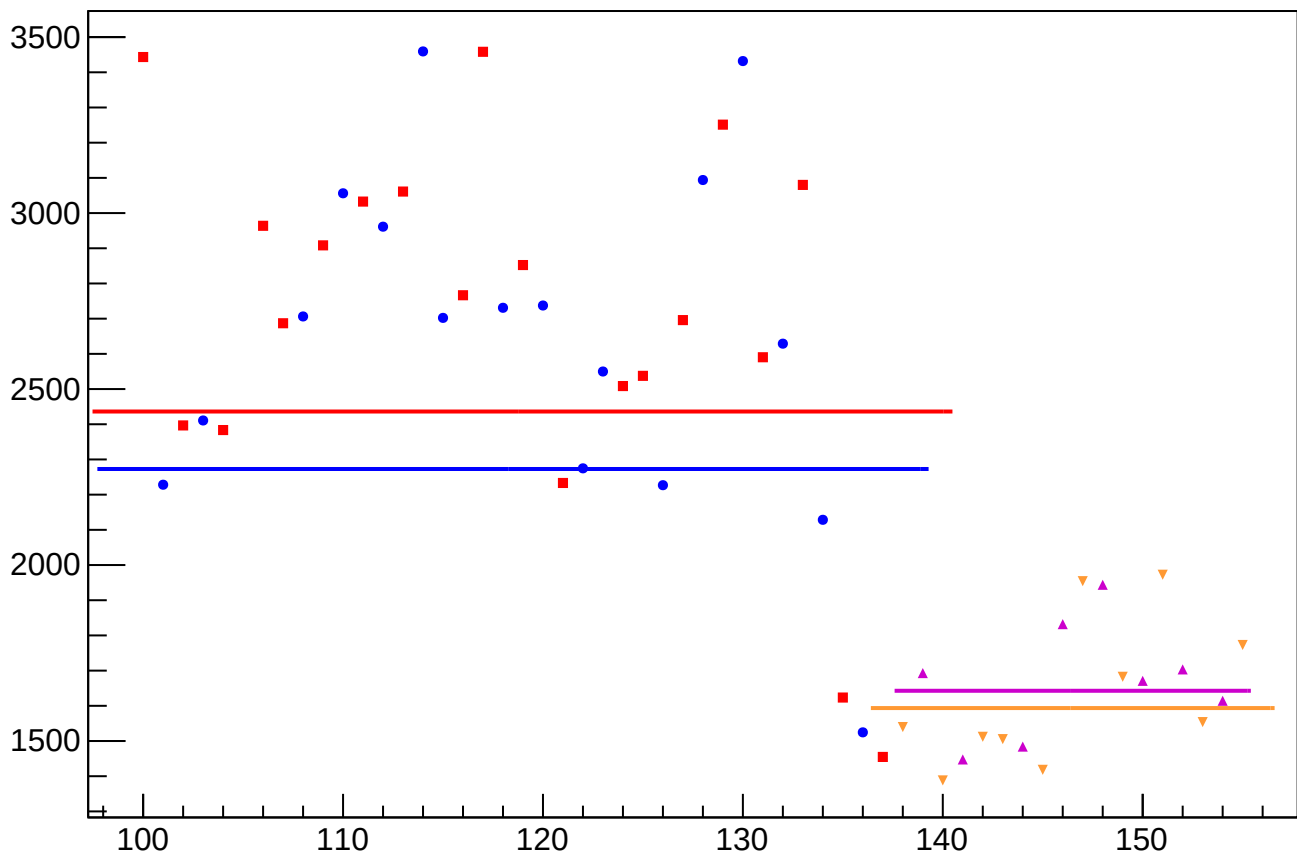
Left In: -624.153 $\pm$ 643.971 χ^2/NDF : 15.0/7

-1476.545 $\pm$ 496.838 χ^2/NDF : 34.0/26

-899.867 $\pm$ 362.484 χ^2/NDF : 67.8/54

-243.561 $\pm$ 530.030 χ^2/NDF : 31.0/27

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: 1593.607 $\pm$ 0.419 χ^2 /NDF: 199995.5/9

Right Out: 2436.191 $\pm$ 0.660 χ^2 /NDF: 688391.3/19

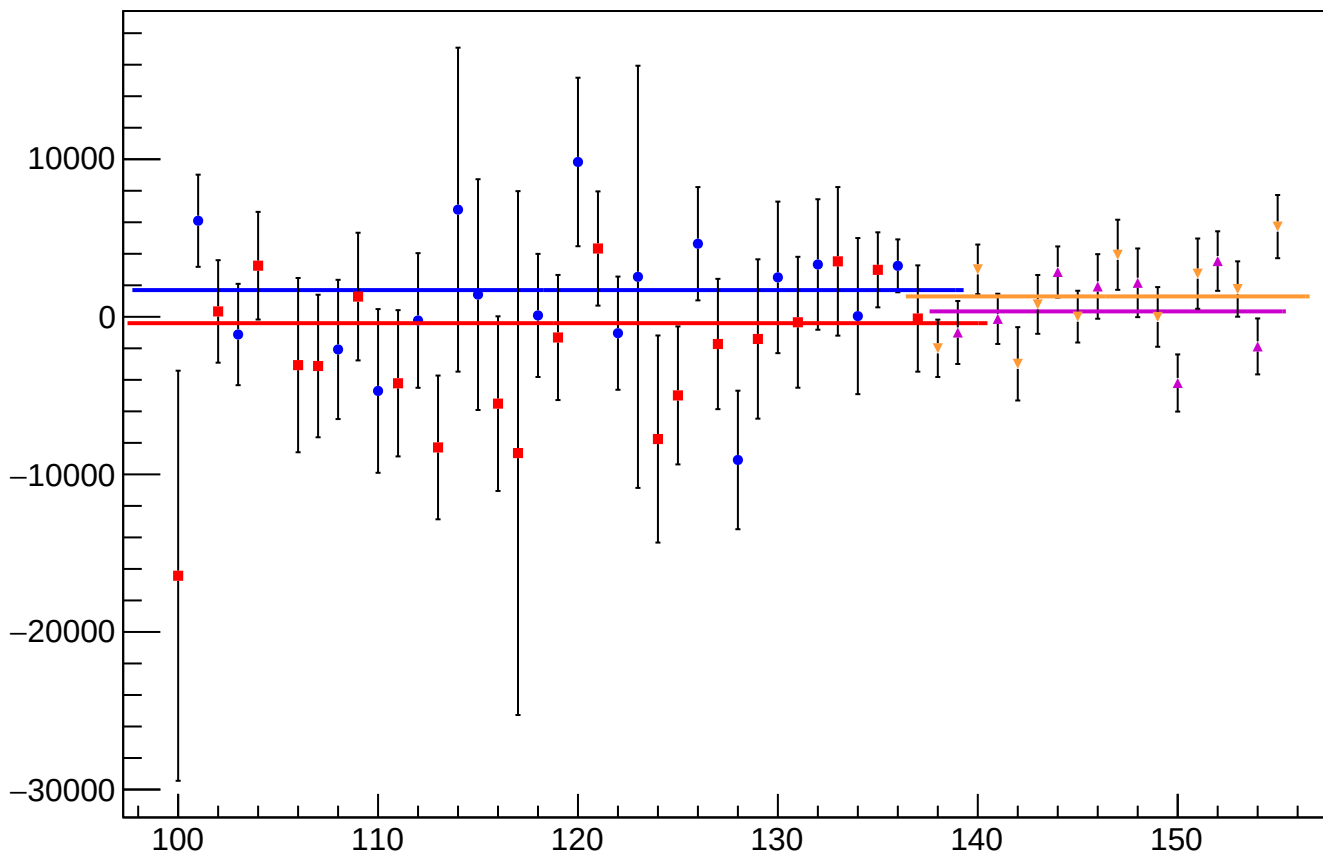
Left In: 1642.738 $\pm$ 0.455 χ^2 /NDF: 110395.9/7

1795.721 $\pm$ 0.351 χ^2 /NDF: 1787029.1/26

1843.875 $\pm$ 0.256 χ^2 /NDF: 3605373.1/54

1898.677 $\pm$ 0.375 χ^2 /NDF: 1778176.0/27

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1695.956 $\pm$ 914.855 χ^2/NDF : 16.6/16

Left Out: 1295.740 $\pm$ 597.486 χ^2/NDF : 15.8/9

Right Out: -403.904 $\pm$ 937.036 χ^2/NDF : 15.2/19

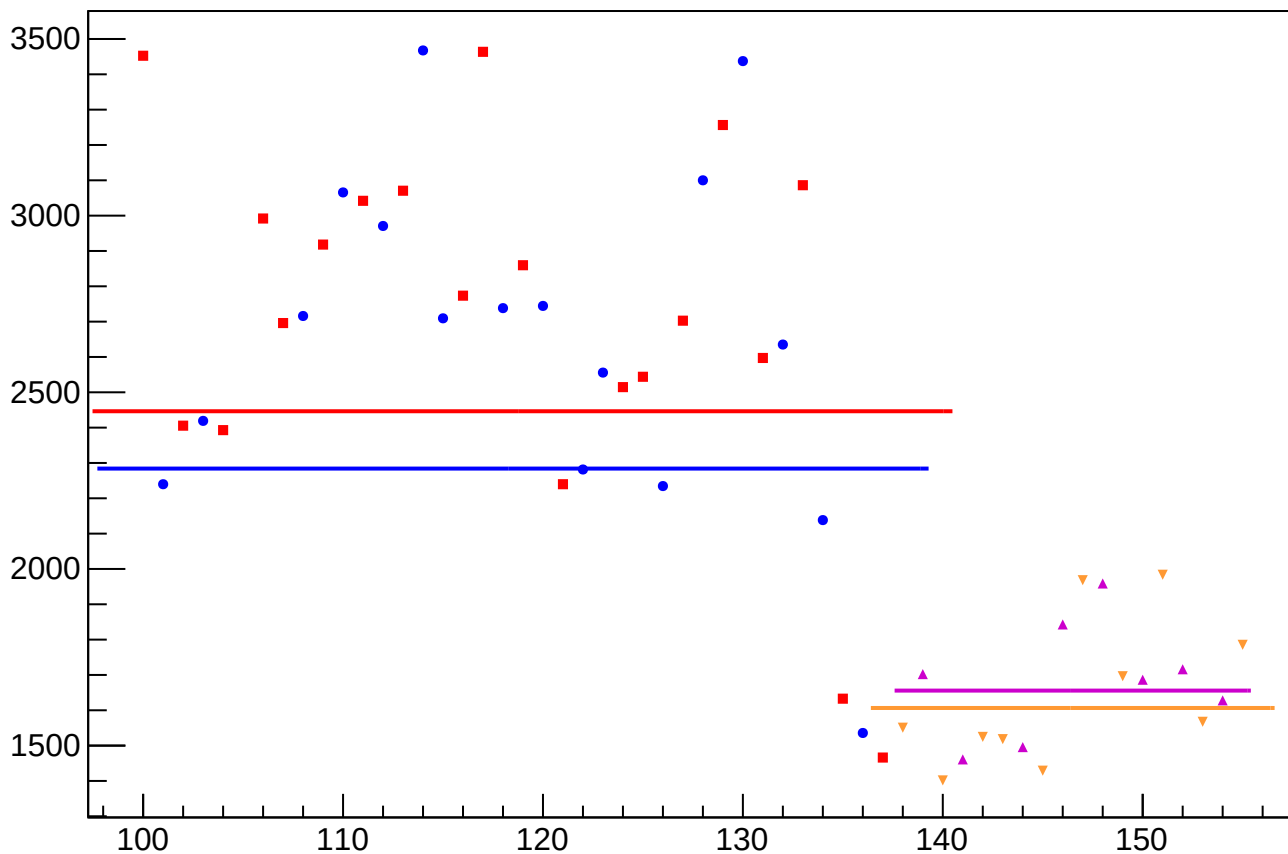
Left In: 344.026 $\pm$ 648.982 χ^2/NDF : 14.9/7

1415.404 $\pm$ 500.250 χ^2/NDF : 32.5/26

800.720 $\pm$ 364.925 χ^2/NDF : 66.3/54

101.563 $\pm$ 533.517 χ^2/NDF : 30.5/27

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2284.104 +/- 0.647 χ^2/NDF : 793993.4/16

Left Out: 1606.515 +/- 0.422 χ^2/NDF : 197402.8/9

Right Out: 2446.366 +/- 0.663 χ^2/NDF : 680413.3/19

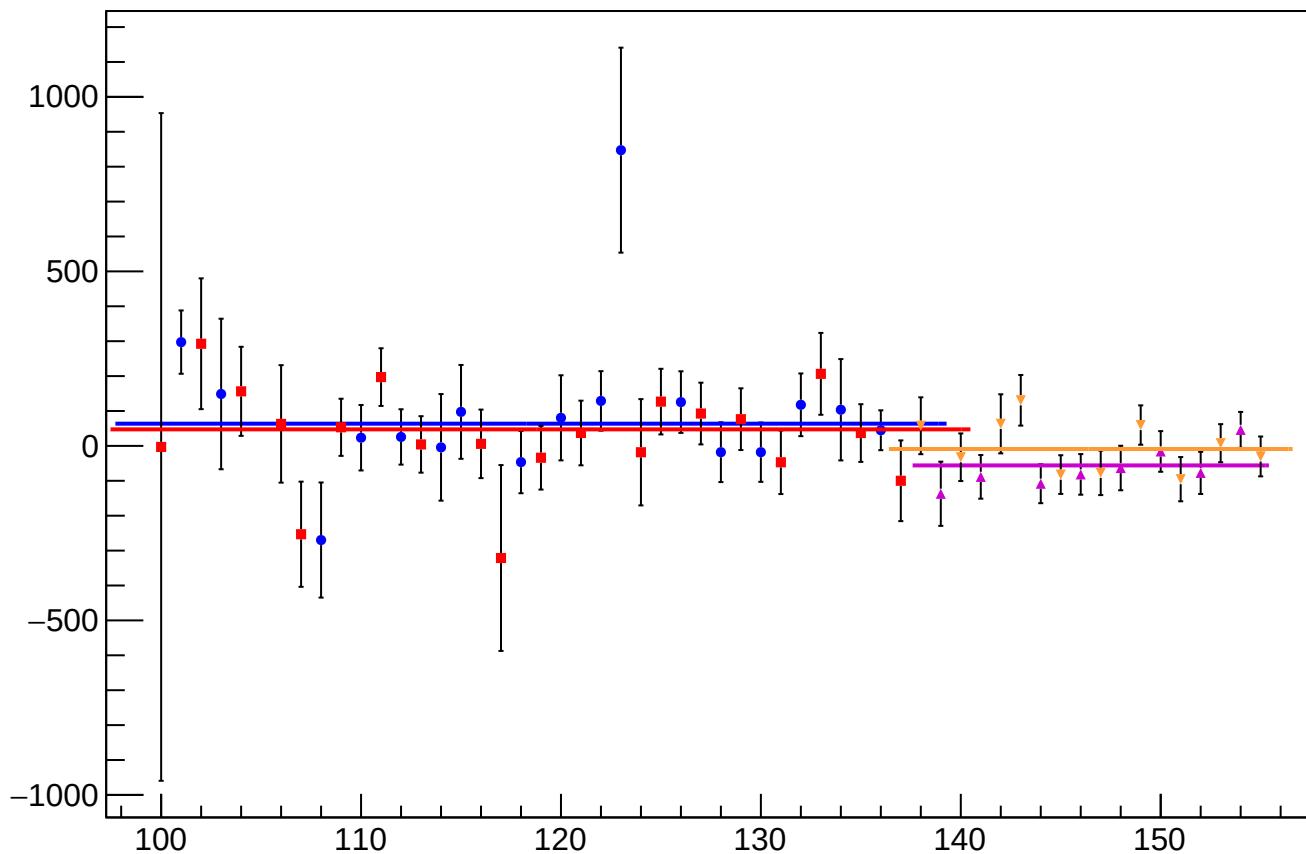
Left In: 1655.715 +/- 0.459 χ^2/NDF : 108911.5/7

1809.113 +/- 0.354 χ^2/NDF : 1760485.2/26

1857.262 +/- 0.258 χ^2/NDF : 3551730.8/54

1912.028 +/- 0.377 χ^2/NDF : 1751643.2/27

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 63.666 ± 23.743 χ^2/NDF : 23.7/16

Left Out: -8.885 ± 20.110 χ^2/NDF : 11.7/9

Right Out: 47.367 ± 23.568 χ^2/NDF : 18.7/19

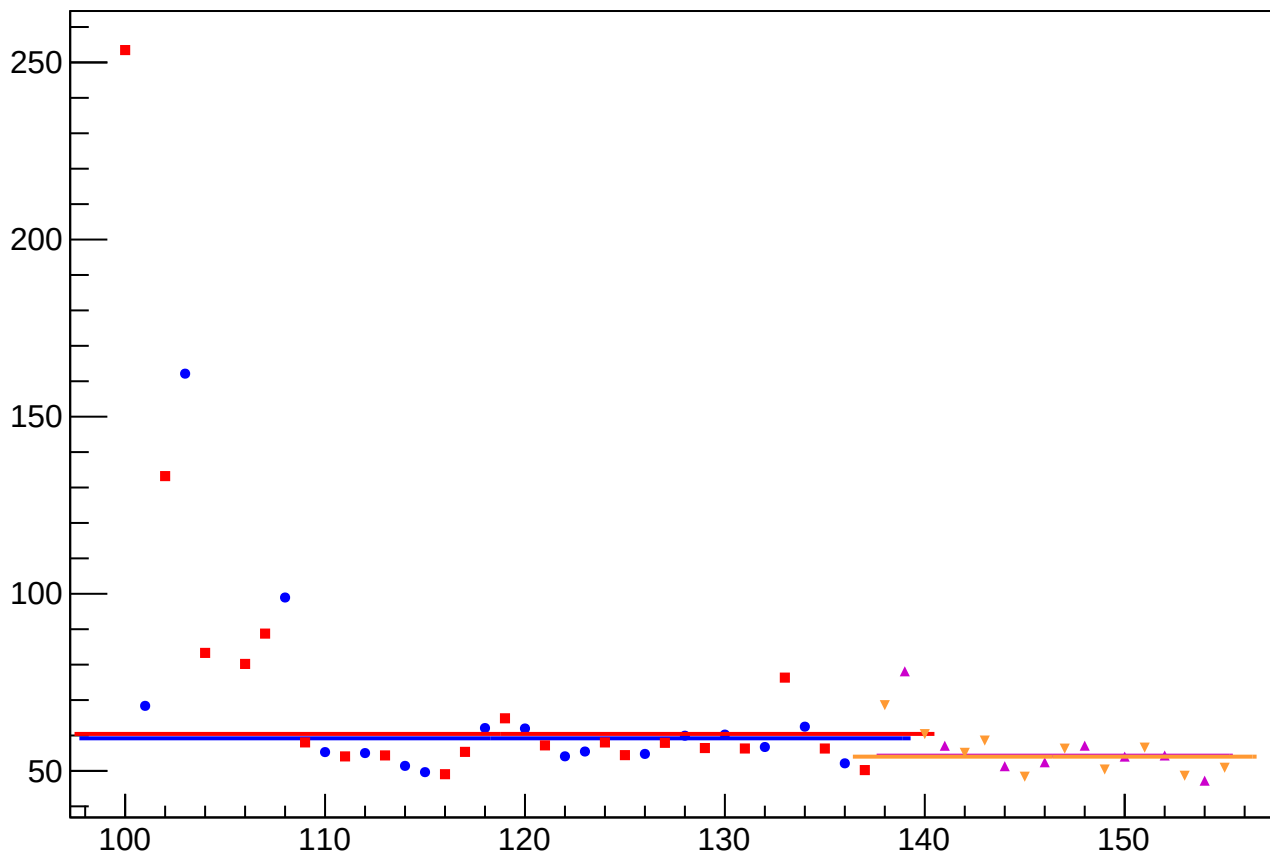
Left In: -55.930 ± 21.406 χ^2/NDF : 6.7/7

21.422 ± 15.345 χ^2/NDF : 40.8/26

6.585 ± 11.023 χ^2/NDF : 78.6/54

-9.236 ± 15.846 χ^2/NDF : 35.9/27

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 59.200 ± 0.017 χ^2/NDF : 665472.4/16

Left Out: 54.026 ± 0.014 χ^2/NDF : 149617.1/9

Right Out: 60.443 ± 0.017 χ^2/NDF : 680790.3/19

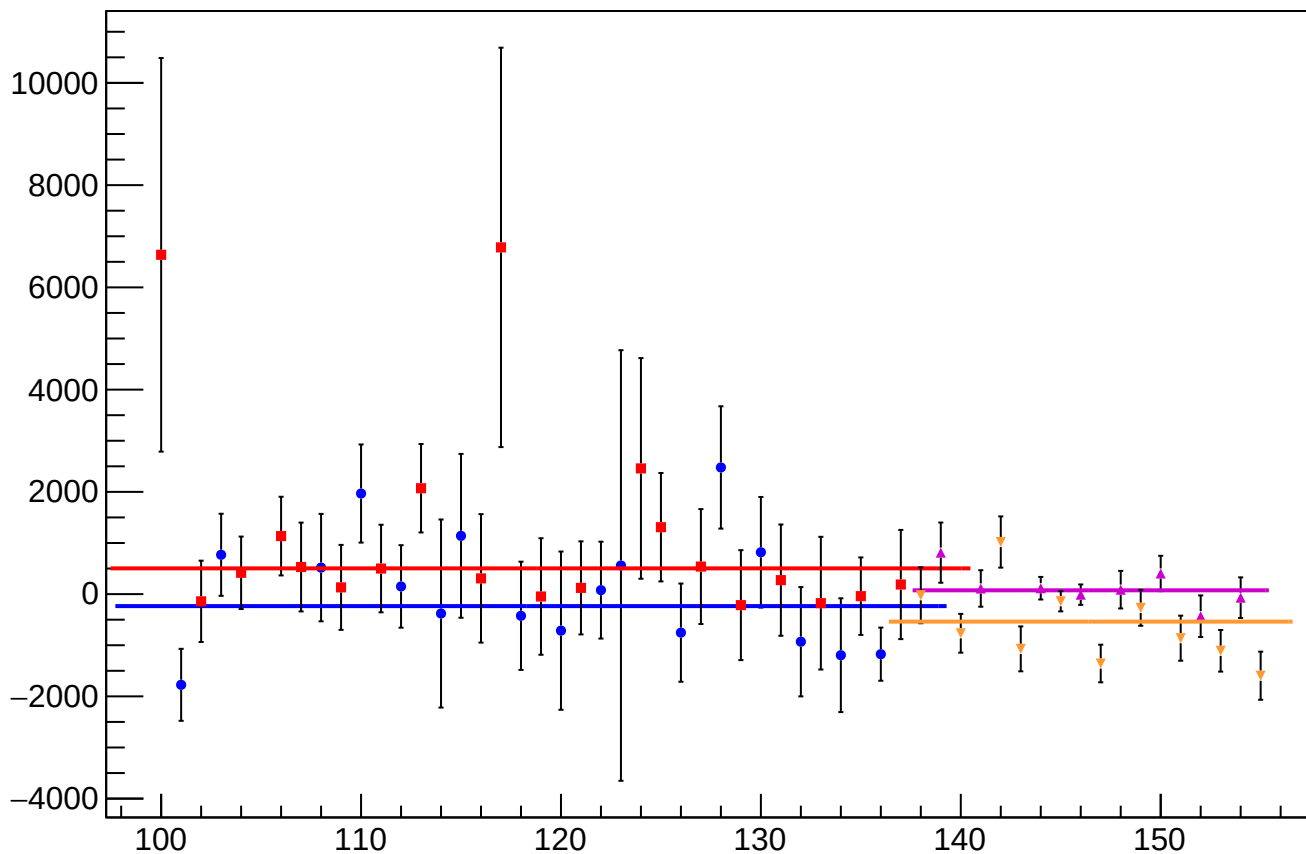
Left In: 54.305 ± 0.015 χ^2/NDF : 187479.7/7

56.188 ± 0.011 χ^2/NDF : 870391.9/26

56.620 ± 0.008 χ^2/NDF : 1816258.8/54

57.080 ± 0.011 χ^2/NDF : 942595.7/27

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -234.492 $\pm$ 233.880 χ^2 /NDF: 24.2/16

Left Out: -537.937 $\pm$ 114.588 χ^2 /NDF: 29.6/9

Right Out: 503.638 $\pm$ 221.955 χ^2 /NDF: 13.2/19

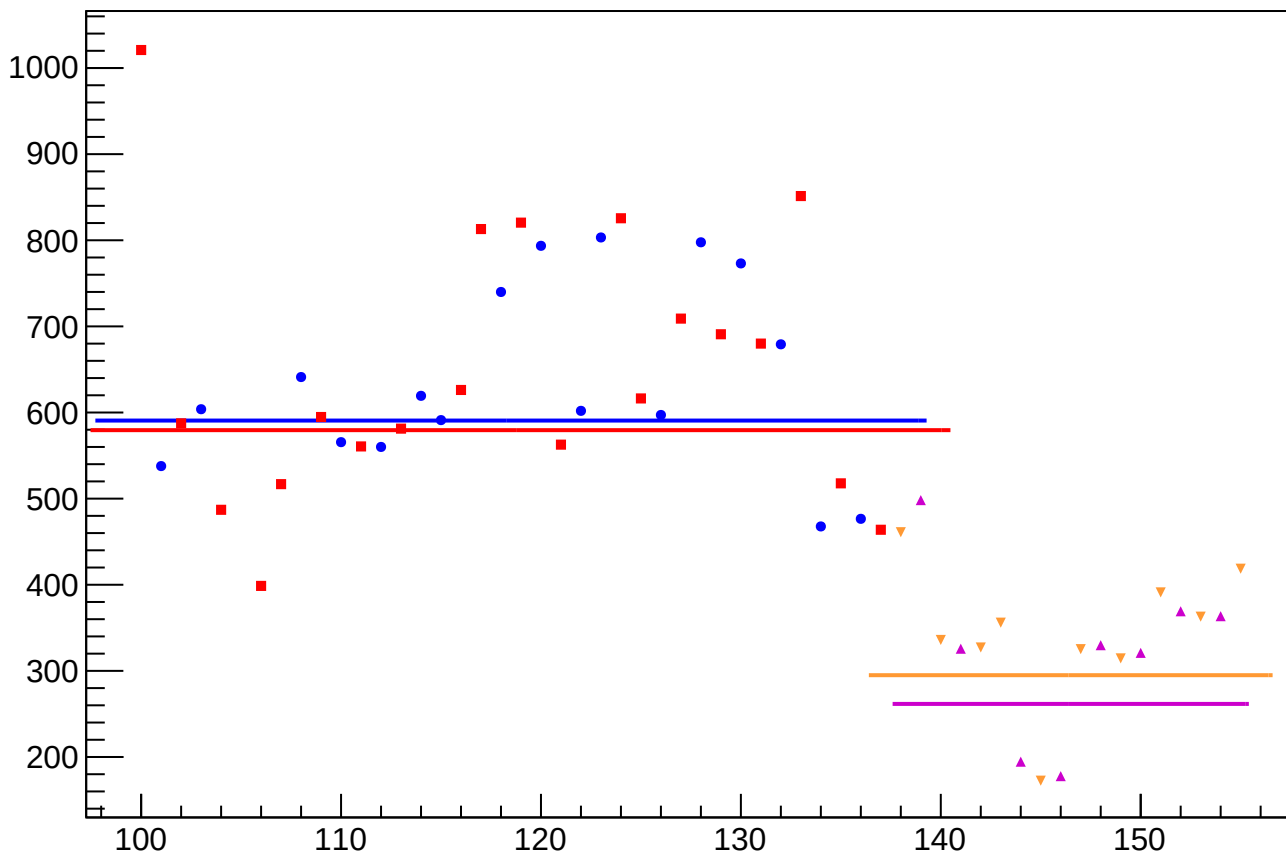
Left In: 74.349 $\pm$ 108.743 χ^2 /NDF: 4.4/7

-479.197 $\pm$ 102.901 χ^2 /NDF: 55.1/26

-144.226 $\pm$ 70.834 χ^2 /NDF: 95.8/54

157.448 $\pm$ 97.653 χ^2 /NDF: 20.6/27

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: 294.982 $\pm$ 0.081 χ^2 /NDF:1328599.4/9

Right Out: 579.509 $\pm$ 0.157 χ^2 /NDF: 501132.1/19

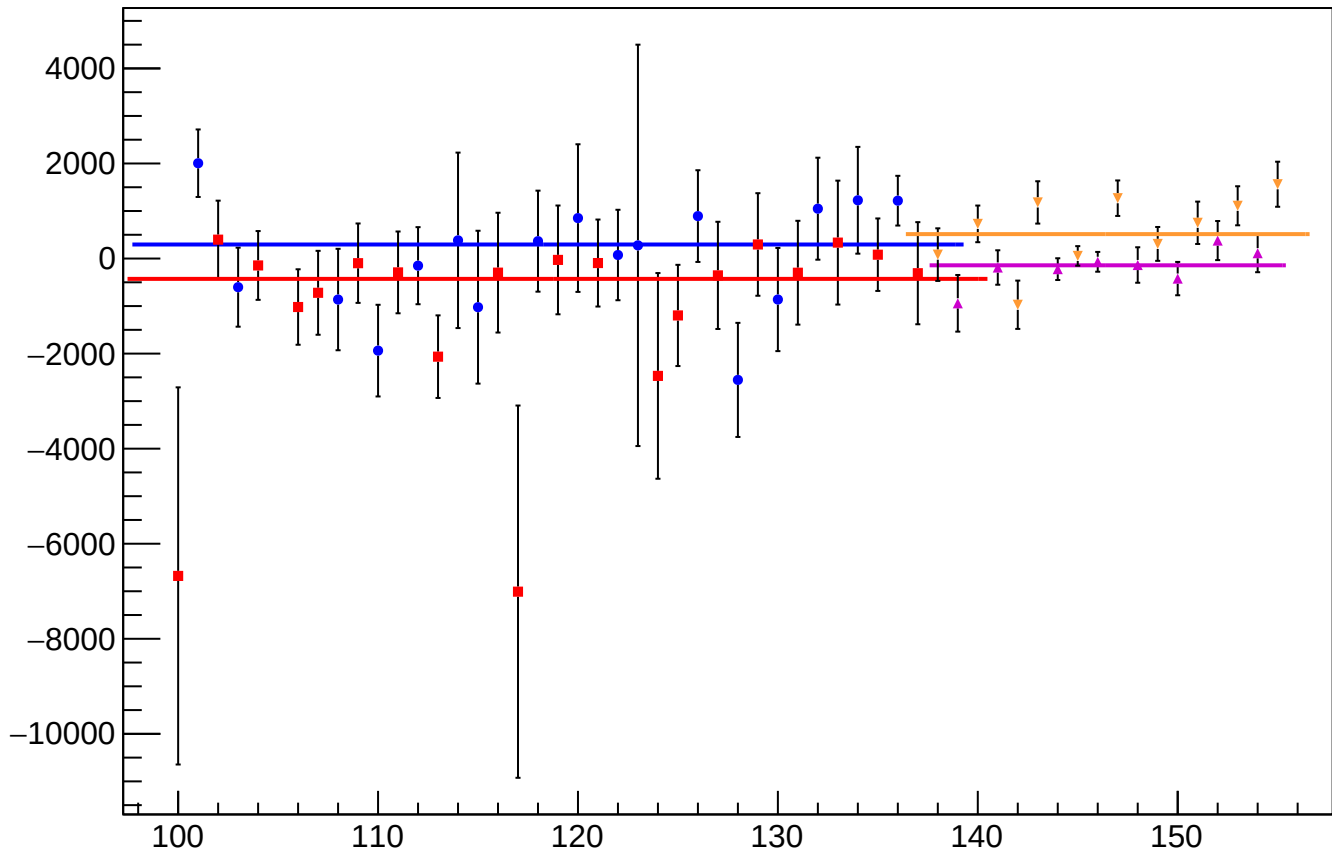
Left In: 261.633 $\pm$ 0.077 χ^2 /NDF:1325397.6/7

352.219 $\pm$ 0.073 χ^2 /NDF: 4258434.7/26

336.932 $\pm$ 0.050 χ^2 /NDF: 9476992.0/54

323.165 $\pm$ 0.069 χ^2 /NDF: 5134666.8/27

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 295.401 ± 235.860 $\chi^2/\text{NDF}: 26.1/16$

Left Out: 513.880 ± 117.033 $\chi^2/\text{NDF}: 28.4/9$

Right Out: -427.853 ± 224.485 $\chi^2/\text{NDF}: 13.8/19$

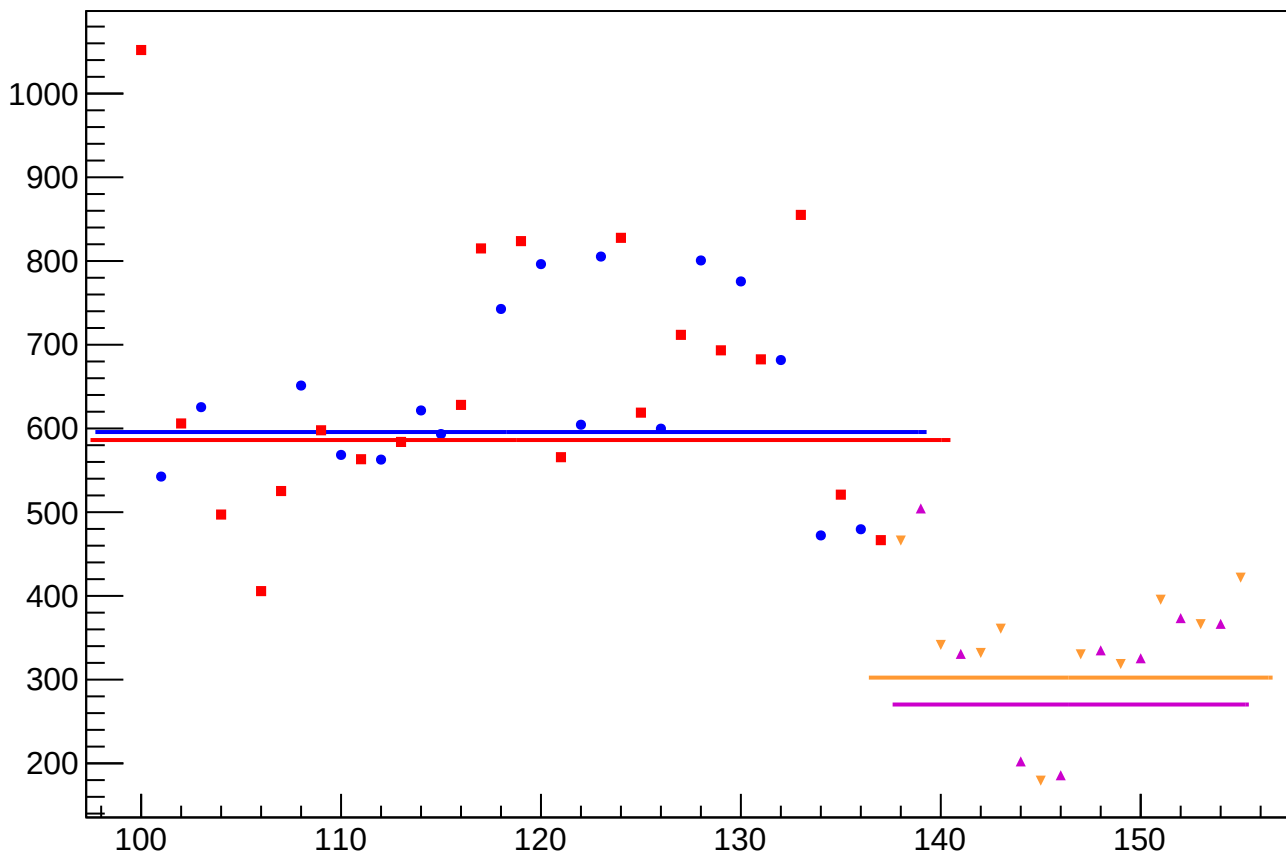
Left In: -142.445 ± 111.769 $\chi^2/\text{NDF}: 4.7/7$

470.715 ± 104.836 $\chi^2/\text{NDF}: 55.2/26$

120.158 ± 72.380 $\chi^2/\text{NDF}: 96.4/54$

-199.141 ± 100.053 $\chi^2/\text{NDF}: 19.8/27$

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 595.734 $\pm$ 0.167 χ^2 /NDF: 350058.2/16

Left Out: 302.410 $\pm$ 0.083 χ^2 /NDF:1230440.3/9

Right Out: 586.176 $\pm$ 0.159 χ^2 /NDF: 481325.4/19

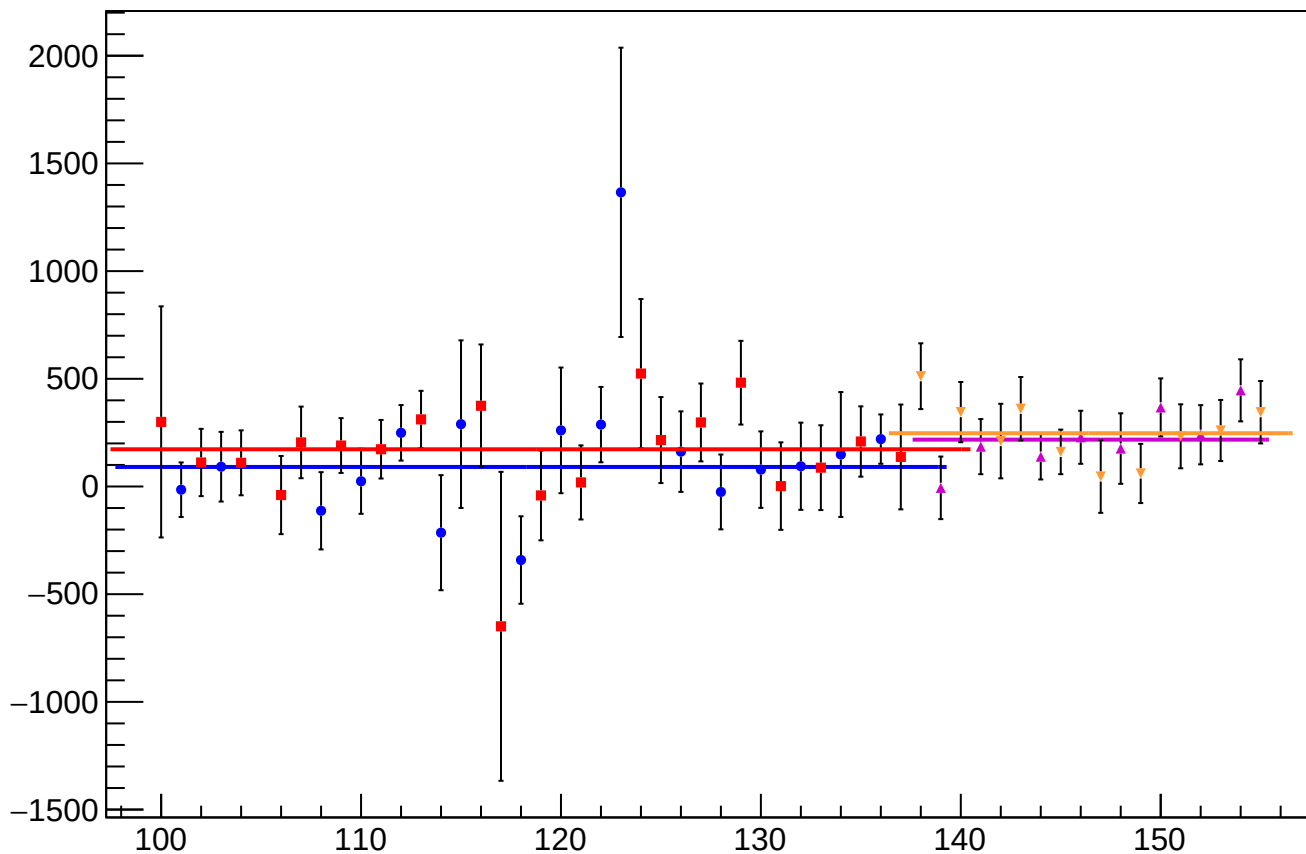
Left In: 270.273 $\pm$ 0.079 χ^2 /NDF:1221855.8/7

360.361 $\pm$ 0.074 χ^2 /NDF: 4062615.5/26

346.057 $\pm$ 0.051 χ^2 /NDF: 9010783.7/54

333.027 $\pm$ 0.071 χ^2 /NDF: 4877015.6/27

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 90.711+/-43.312 χ^2/NDF : 16.9/16

Left Out: 247.300+/-44.832 χ^2/NDF : 8.6/9

Right Out: 172.786+/-41.033 χ^2/NDF : 11.6/19

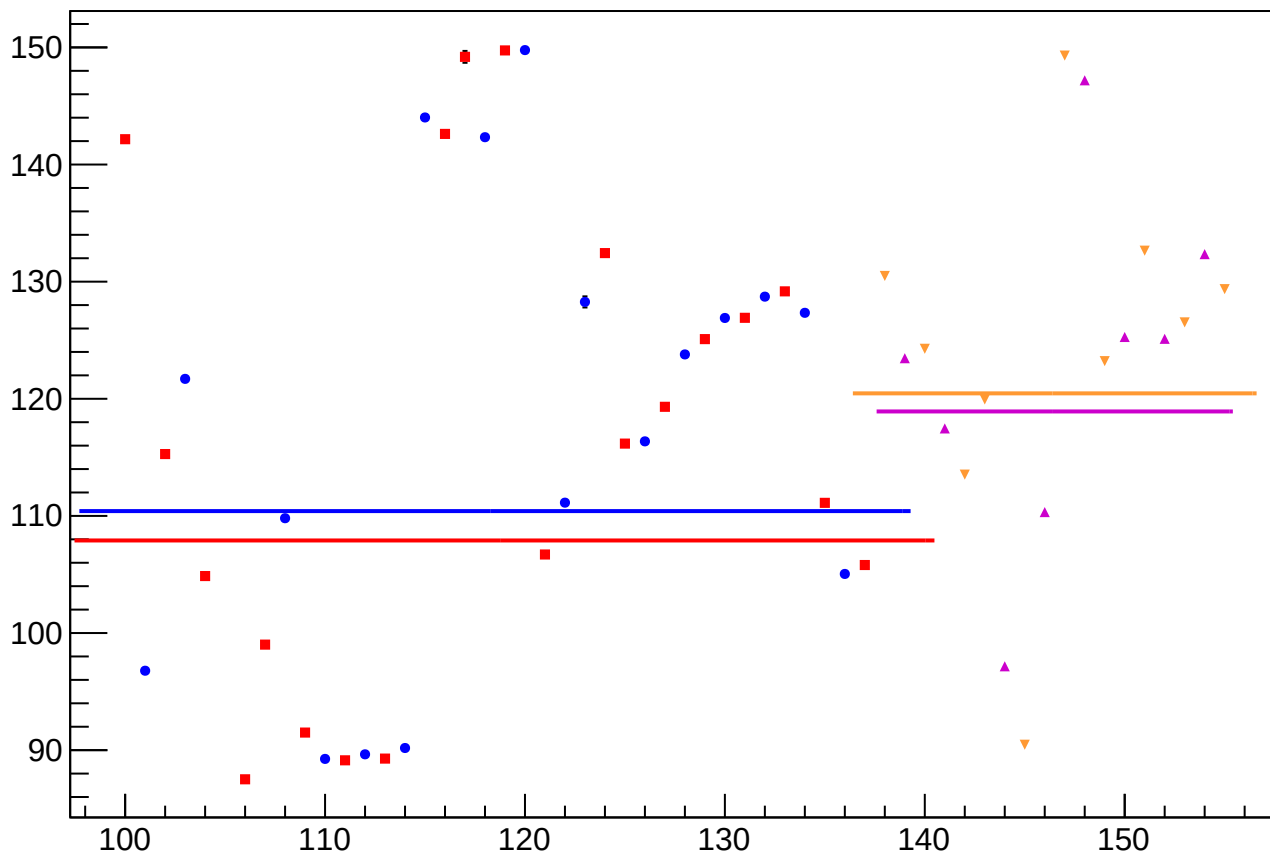
Left In: 217.537+/-46.771 χ^2/NDF : 6.9/7

166.306+/-31.150 χ^2/NDF : 31.8/26

179.405+/-21.918 χ^2/NDF : 51.1/54

192.249+/-30.845 χ^2/NDF : 19.0/27

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: 120.463 $\pm$ 0.032 χ^2 /NDF: 265355.9/9

Right Out: 107.903 $\pm$ 0.029 χ^2 /NDF: 351091.4/19

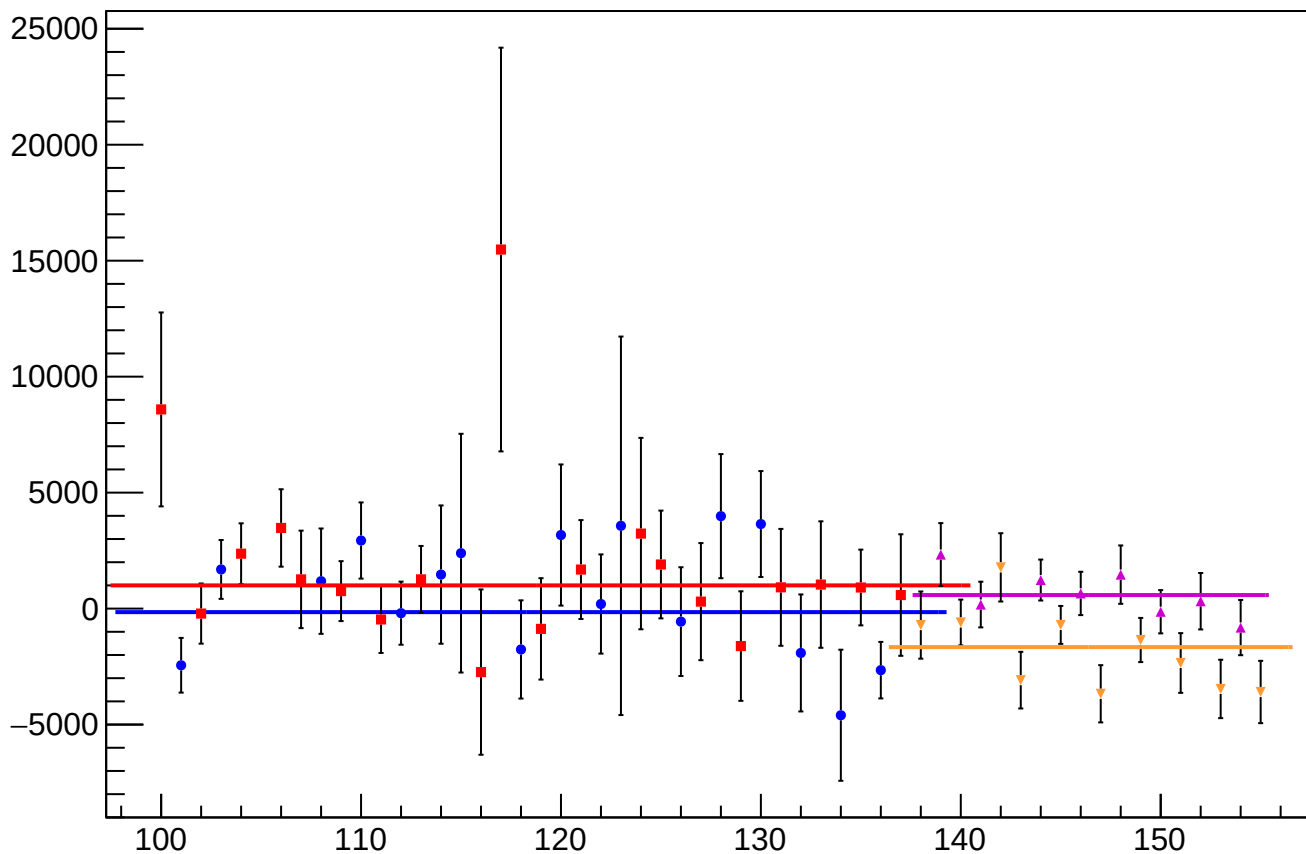
Left In: 118.919 $\pm$ 0.033 χ^2 /NDF: 182028.7/7

115.264 $\pm$ 0.022 χ^2 /NDF: 613787.4/26

113.967 $\pm$ 0.015 χ^2 /NDF: 1216468.0/54

112.694 $\pm$ 0.022 χ^2 /NDF: 595808.2/27

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -152.403 $\pm$ 464.753 χ^2/NDF : 24.7/16

Left Out: -166.650 $\pm$ 360.894 χ^2/NDF : 16.9/9

Right Out: 1000.907 $\pm$ 434.569 χ^2/NDF : 15.1/19

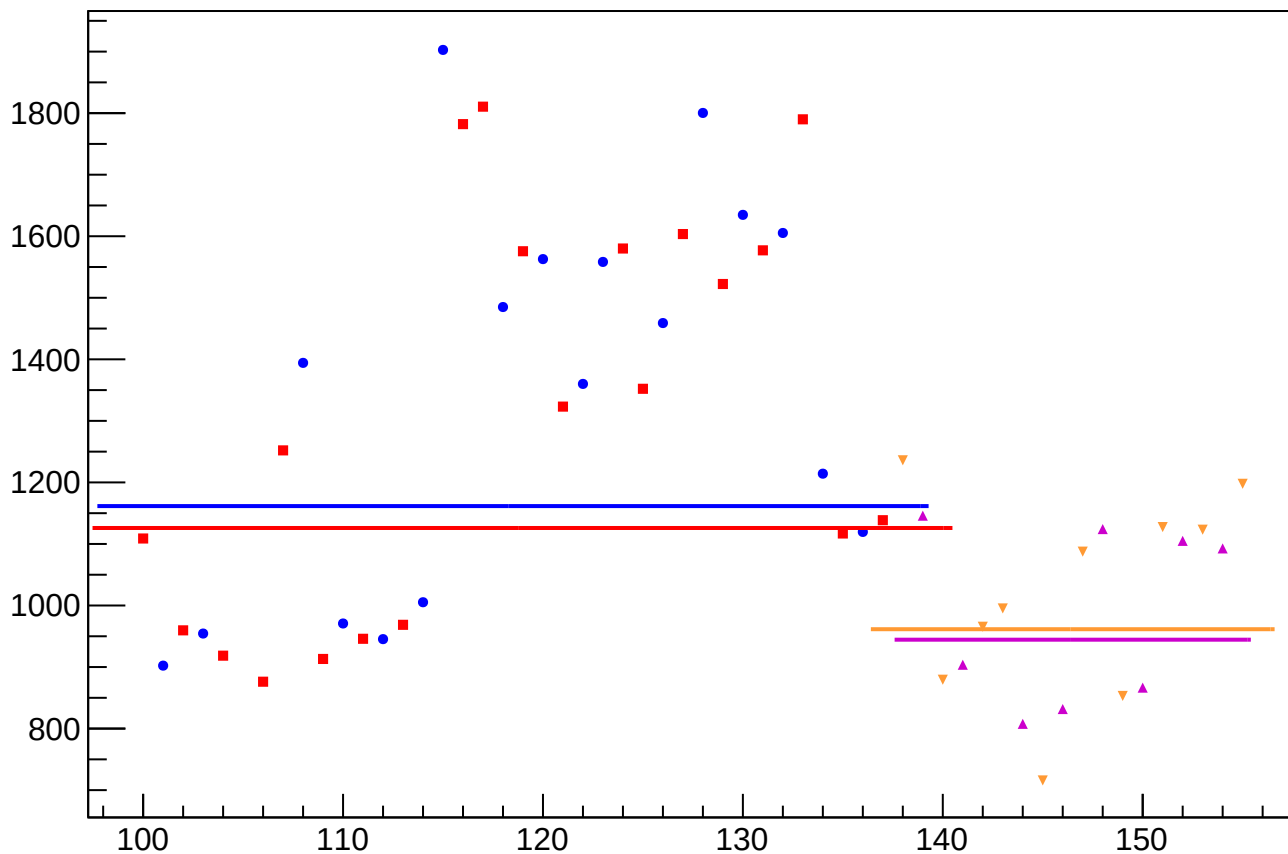
Left In: 583.608 $\pm$ 373.536 χ^2/NDF : 4.9/7

-1093.294 $\pm$ 285.045 χ^2/NDF : 48.2/26

-160.402 $\pm$ 200.927 χ^2/NDF : 90.0/54

760.919 $\pm$ 283.272 χ^2/NDF : 20.5/27

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: 961.466 $\pm$ 0.255 χ^2 /NDF: 442664.9/9

Right Out: 1125.946 $\pm$ 0.307 χ^2 /NDF: 780195.3/19

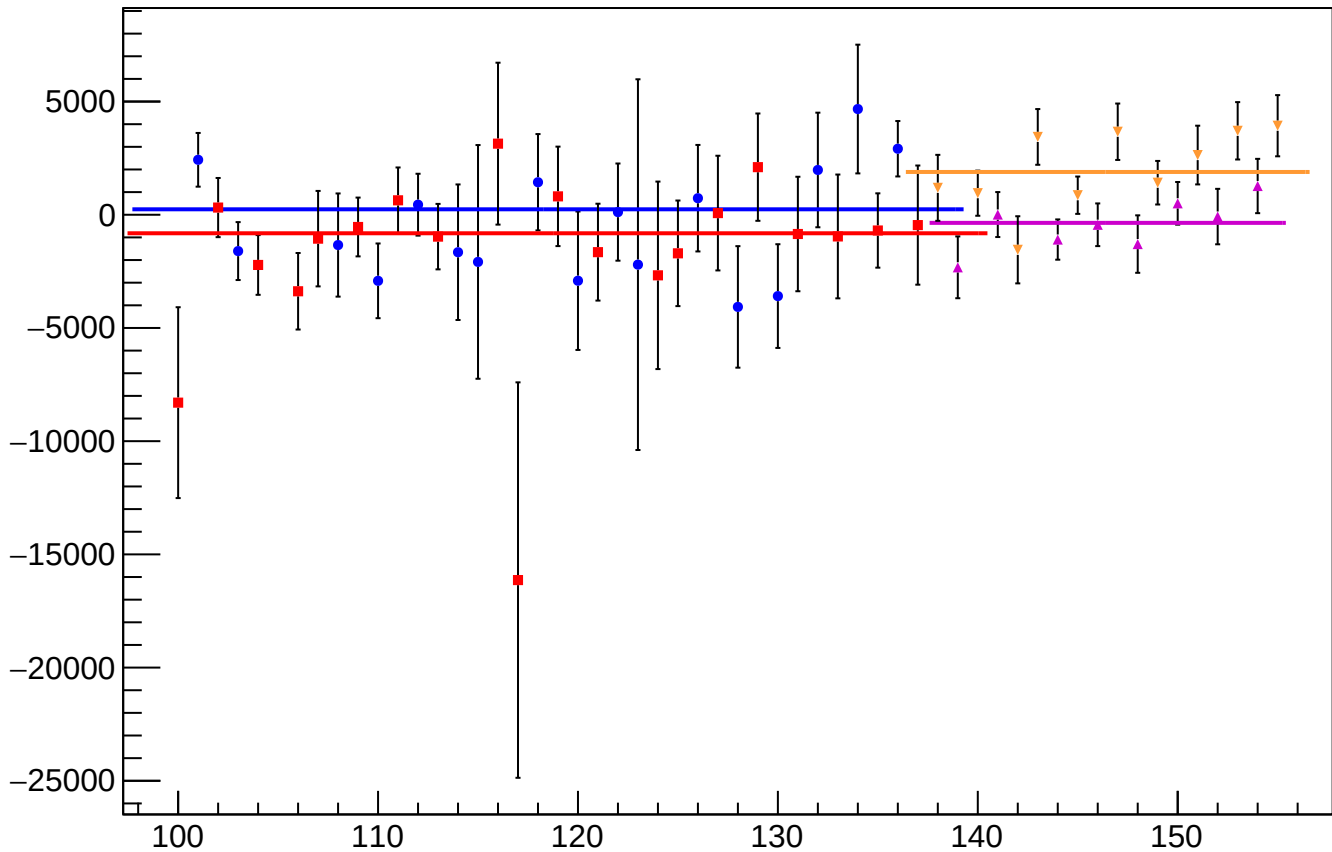
Left In: 944.448 $\pm$ 0.264 χ^2 /NDF: 245260.5/7

1036.724 $\pm$ 0.202 χ^2 /NDF: 1369773.6/26

1029.098 $\pm$ 0.142 χ^2 /NDF: 2598705.7/54

1021.567 $\pm$ 0.200 χ^2 /NDF: 1226086.8/27

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 240.732 ± 467.036 χ^2/NDF : 24.8/16

Left Out: 1890.040 ± 363.845 χ^2/NDF : 16.6/9

Right Out: -817.635 ± 436.939 χ^2/NDF : 15.4/19

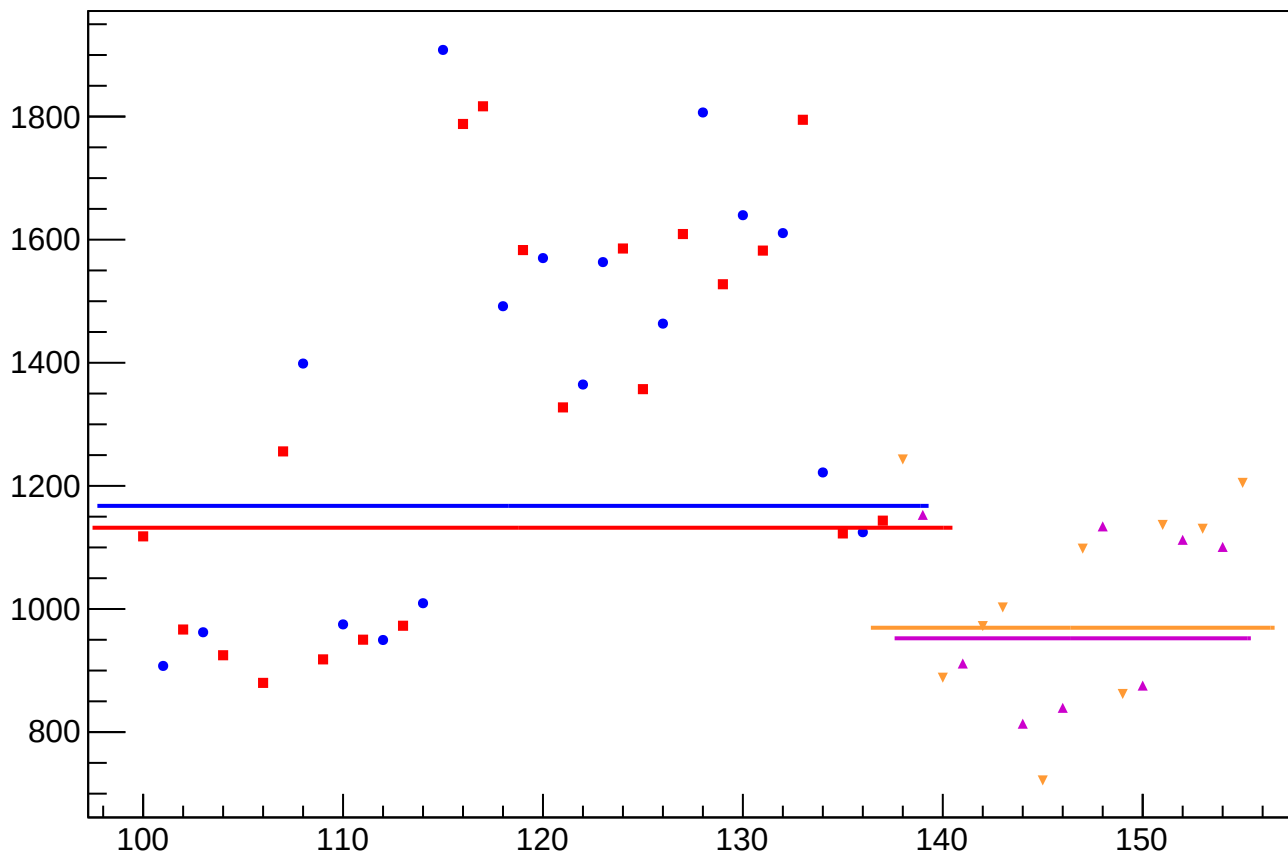
Left In: -358.346 ± 376.610 χ^2/NDF : 6.2/7

1267.110 ± 287.025 χ^2/NDF : 49.2/26

350.906 ± 202.333 χ^2/NDF : 91.7/54

-554.118 ± 285.268 χ^2/NDF : 22.2/27

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1167.539 $\pm$ 0.330 χ^2/NDF : 690485.6/16

Left Out: 969.546 $\pm$ 0.257 χ^2/NDF : 438588.9/9

Right Out: 1132.019 $\pm$ 0.309 χ^2/NDF : 773827.8/19

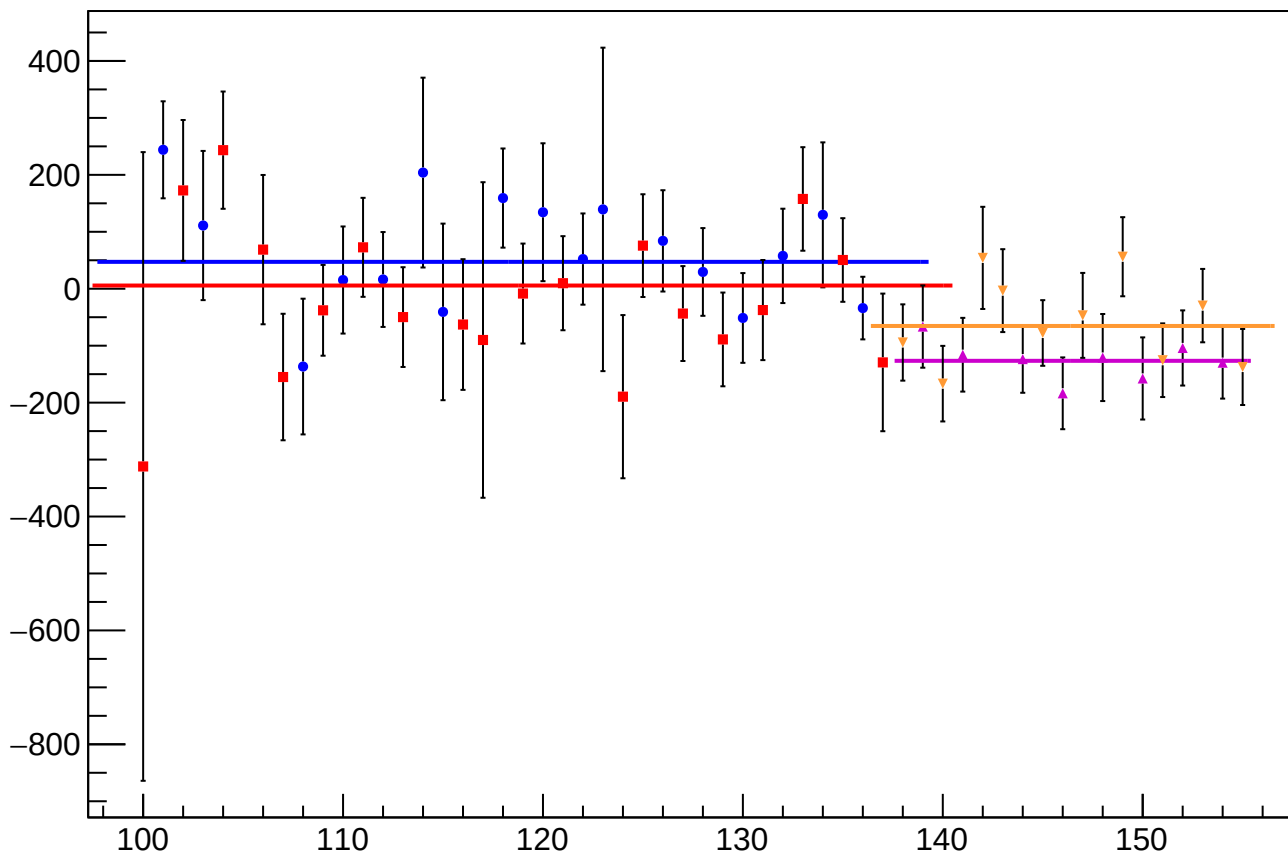
Left In: 952.385 $\pm$ 0.266 χ^2/NDF : 243110.0/7

1044.326 $\pm$ 0.203 χ^2/NDF : 1352757.5/26

1036.593 $\pm$ 0.143 χ^2/NDF : 2566529.9/54

1028.954 $\pm$ 0.202 χ^2/NDF : 1210886.5/27

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: -65.372 $\pm$ 21.540 χ^2 /NDF:10.5/9

Right Out: 5.636 $\pm$ 22.057 χ^2 /NDF: 20.4/19

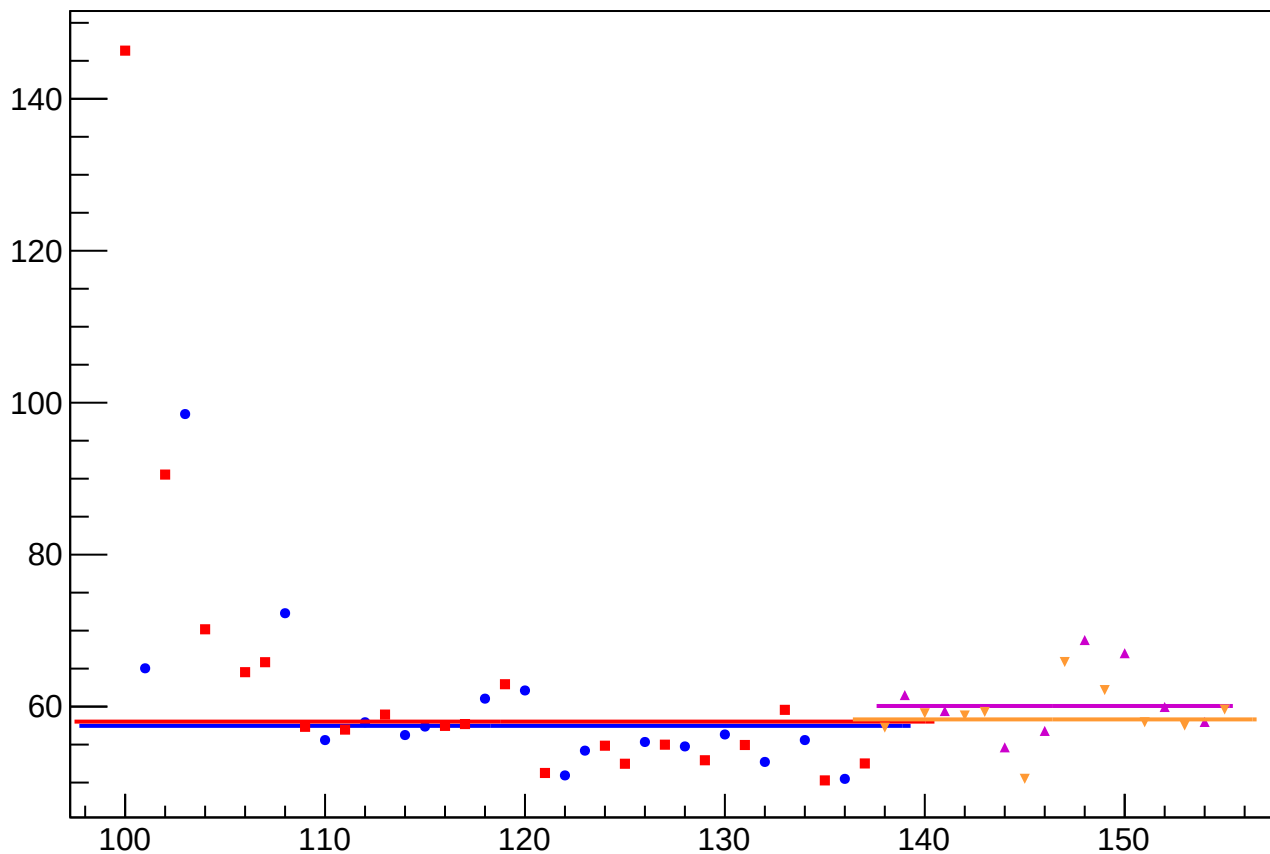
Left In: -126.582 $\pm$ 23.494 χ^2 /NDF:1.9/7

-11.691 $\pm$ 15.581 χ^2 /NDF: 39.7/26

-33.295 $\pm$ 11.190 χ^2 /NDF: 82.7/54

-56.308 $\pm$ 16.081 χ^2 /NDF: 39.1/27

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: 58.315+/-0.015 χ^2/NDF : 65885.5/9

Right Out: 58.025+/-0.016 χ^2/NDF : 300790.9/19

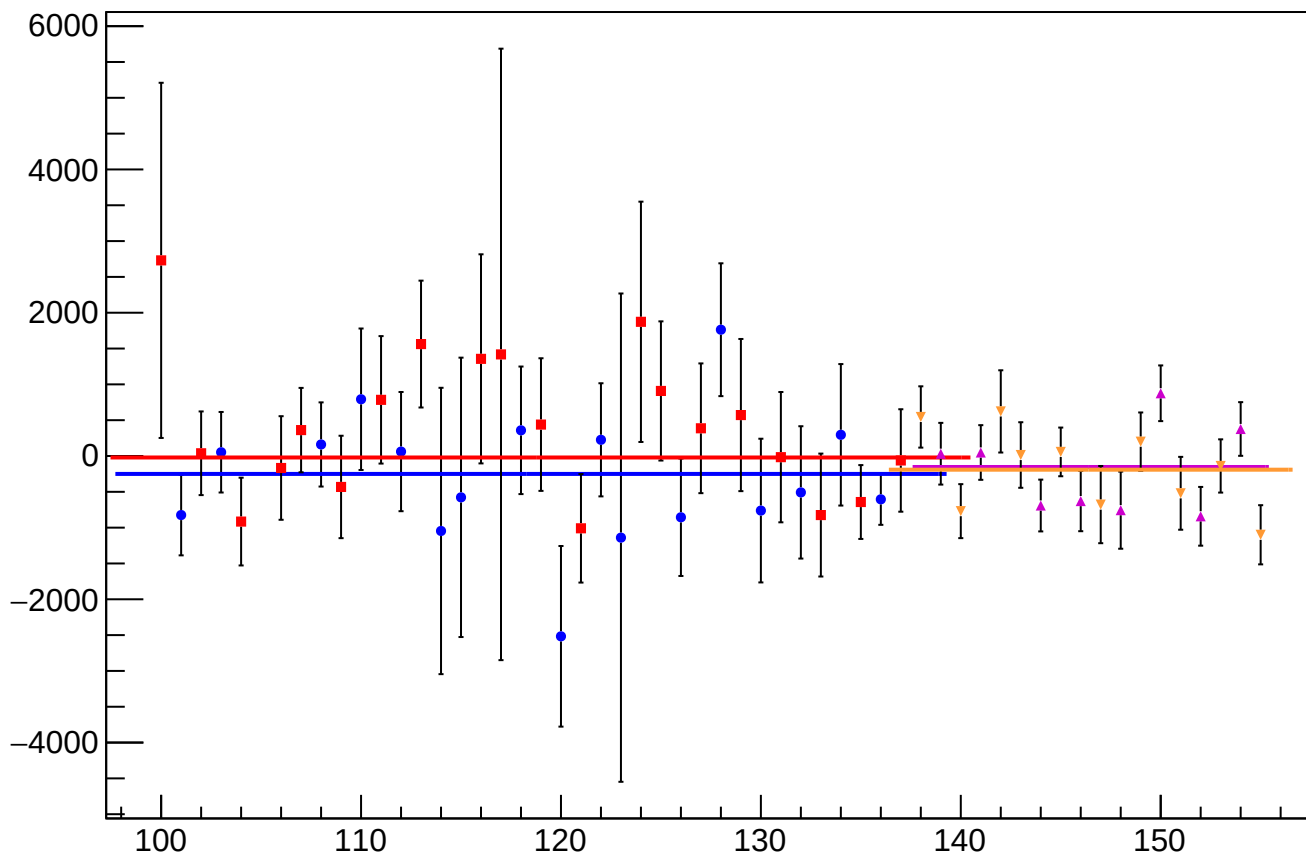
Left In: 60.081+/-0.017 χ^2/NDF : 69921.7/7

57.910+/-0.011 χ^2/NDF : 374525.2/26

58.432+/-0.008 χ^2/NDF : 758020.6/54

58.988+/-0.011 χ^2/NDF : 378855.5/27

asym_sam_13_57_dd_correction_mean vs Slug, Sign Corrected



Right In: -250.140+/-184.092 χ^2/NDF : 14.3/16

Left Out: -191.123+/-134.334 χ^2/NDF : 15.1/9

Right Out: -20.701+/-181.669 χ^2/NDF : 16.2/19

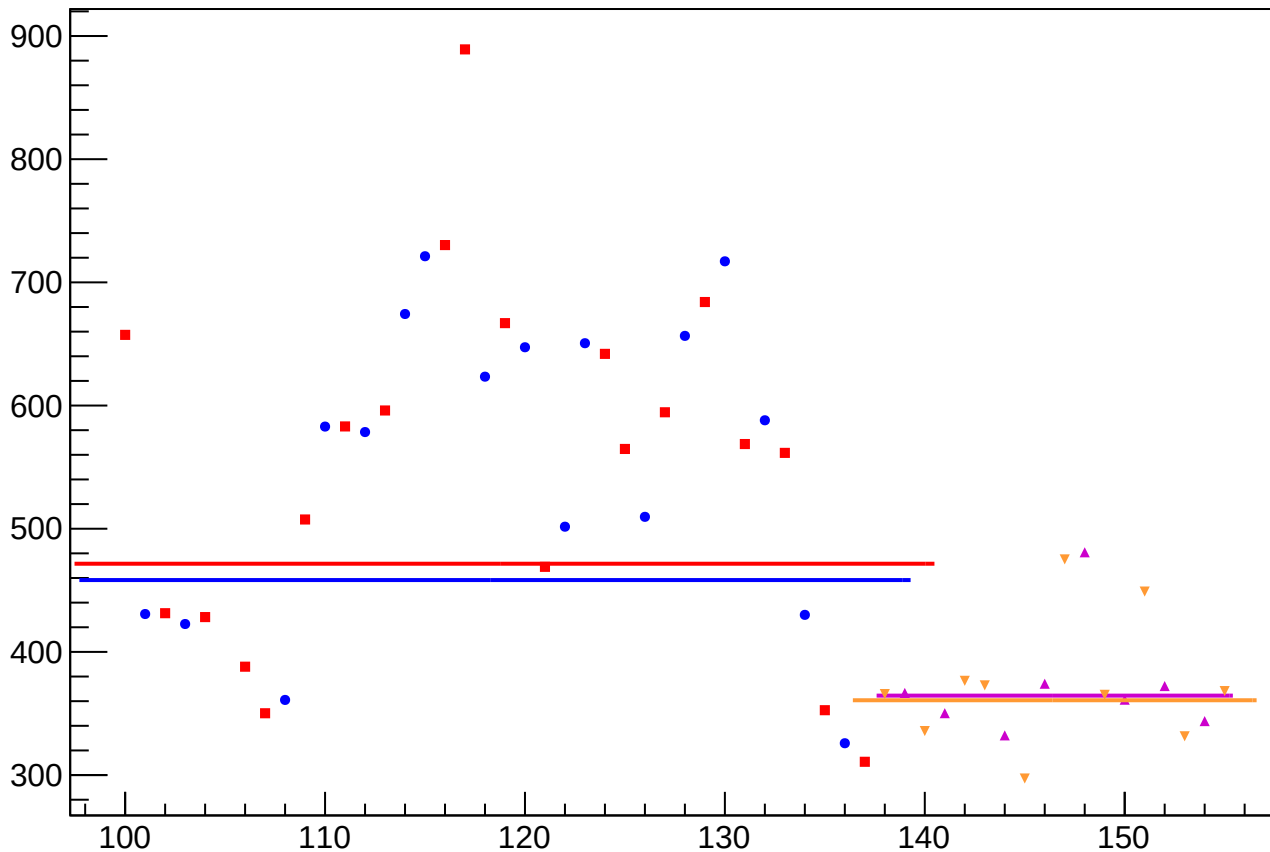
Left In: -153.368+/-143.277 χ^2/NDF : 17.0/7

-211.629+/-108.515 χ^2/NDF : 29.4/26

-159.028+/-78.102 χ^2/NDF : 63.5/54

-102.493+/-112.500 χ^2/NDF : 33.6/27

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected



Right In: 458.324 $\pm$ 0.130 χ^2/NDF : 877201.7/16

Left Out: 360.747 $\pm$ 0.095 χ^2/NDF : 245443.0/9

Right Out: 471.585 $\pm$ 0.128 χ^2/NDF : 797816.0/19

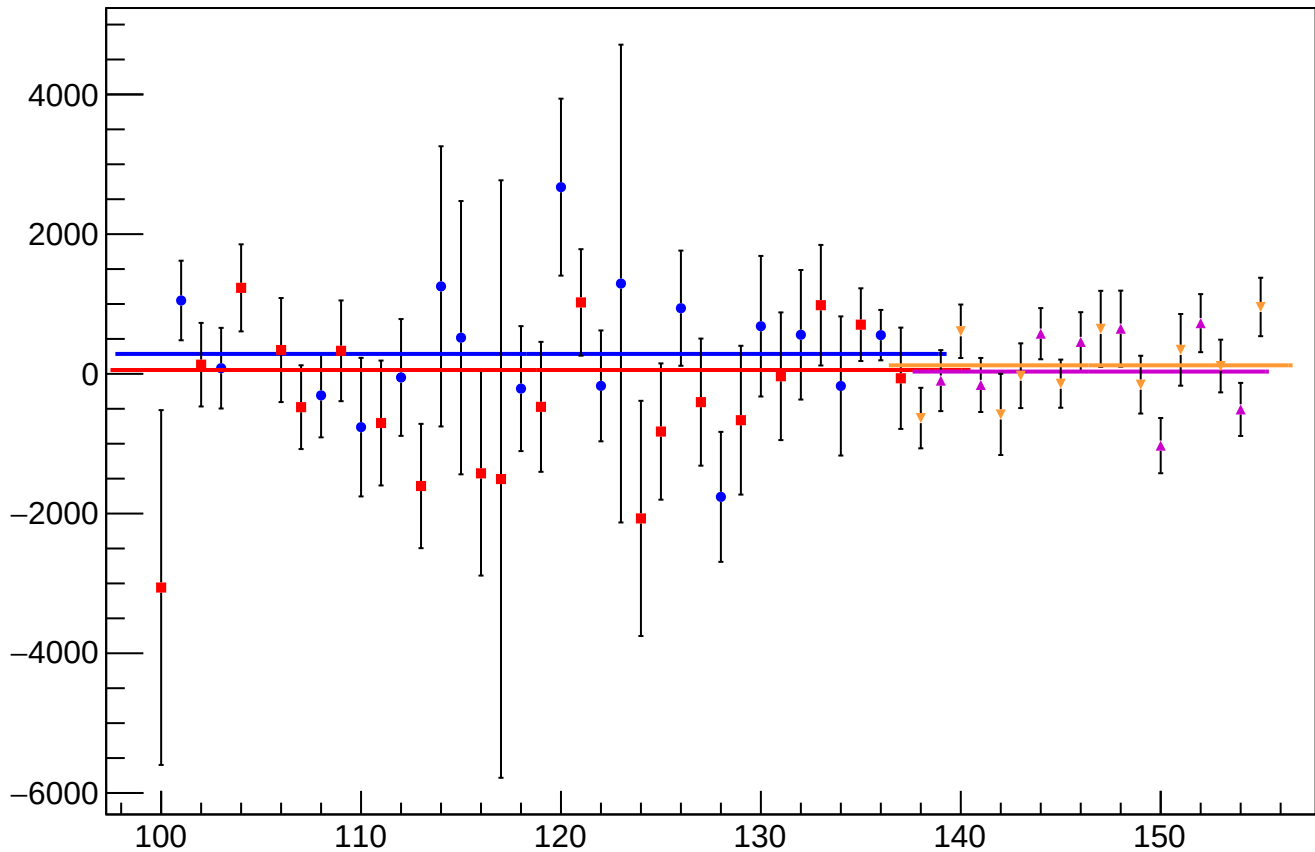
Left In: 364.506 $\pm$ 0.101 χ^2/NDF : 120212.4/7

394.652 $\pm$ 0.077 χ^2/NDF : 1489300.7/26

399.913 $\pm$ 0.055 χ^2/NDF : 2845464.1/54

405.568 $\pm$ 0.080 χ^2/NDF : 1346407.7/27

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: 122.217 $\pm$ 136.136 χ^2 /NDF:12.4/9

Right Out: 55.109 $\pm$ 183.903 χ^2 /NDF: 19.3/19

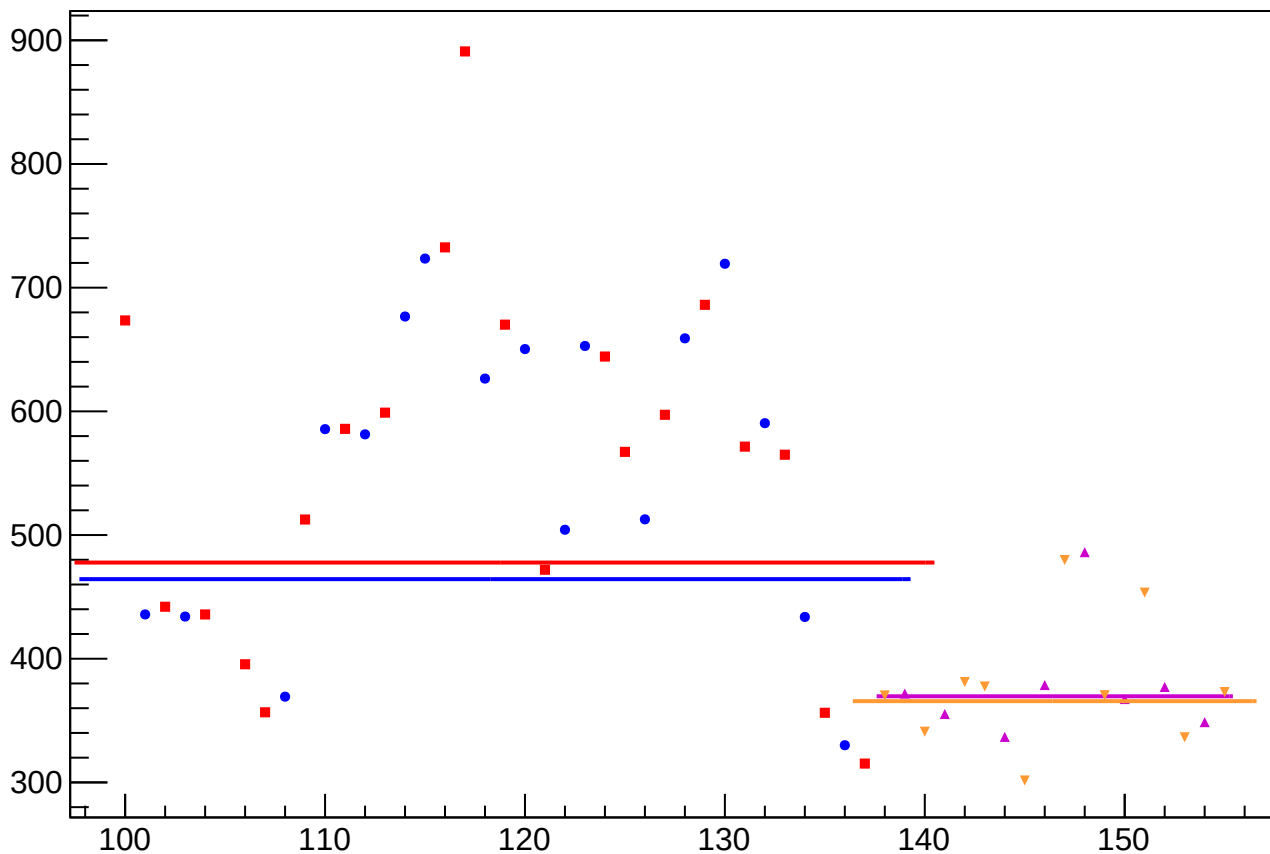
Left In: 32.373 $\pm$ 145.264 χ^2 /NDF:16.8/7

179.019 $\pm$ 109.909 χ^2 /NDF: 28.0/26

112.578 $\pm$ 79.121 χ^2 /NDF: 64.9/54

41.109 $\pm$ 113.992 χ^2 /NDF: 36.1/27

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: 365.695 $\pm$ 0.096 χ^2 /NDF: 239842.4/9

Right Out: 477.754 $\pm$ 0.130 χ^2 /NDF: 768041.0/19

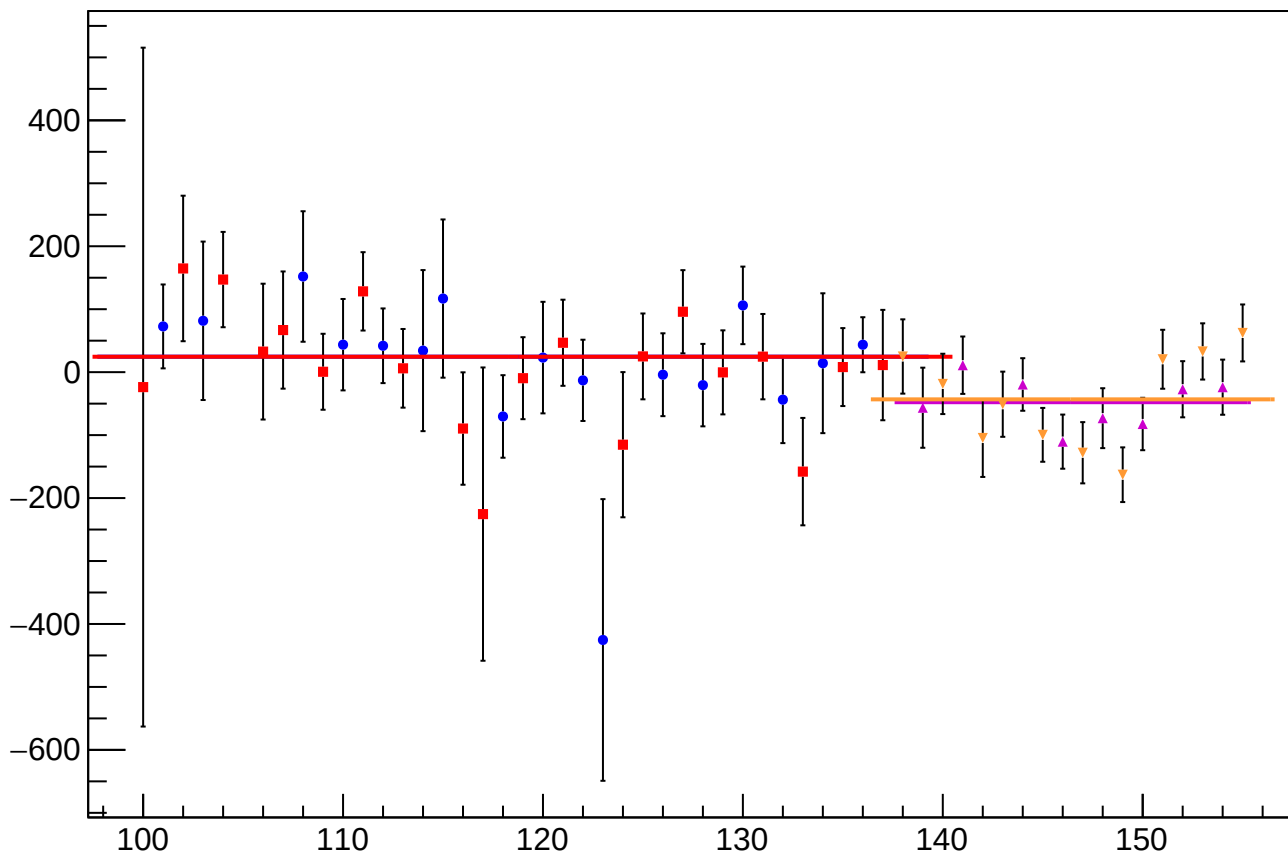
Left In: 369.636 $\pm$ 0.103 χ^2 /NDF: 118231.2/7

400.043 $\pm$ 0.078 χ^2 /NDF: 1451384.5/26

405.407 $\pm$ 0.056 χ^2 /NDF: 2773222.7/54

411.176 $\pm$ 0.081 χ^2 /NDF: 1311951.2/27

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: -43.201 $\pm$ 15.245 χ^2 /NDF:25.2/9

Right Out: 24.491 $\pm$ 17.338 χ^2 /NDF: 18.0/19

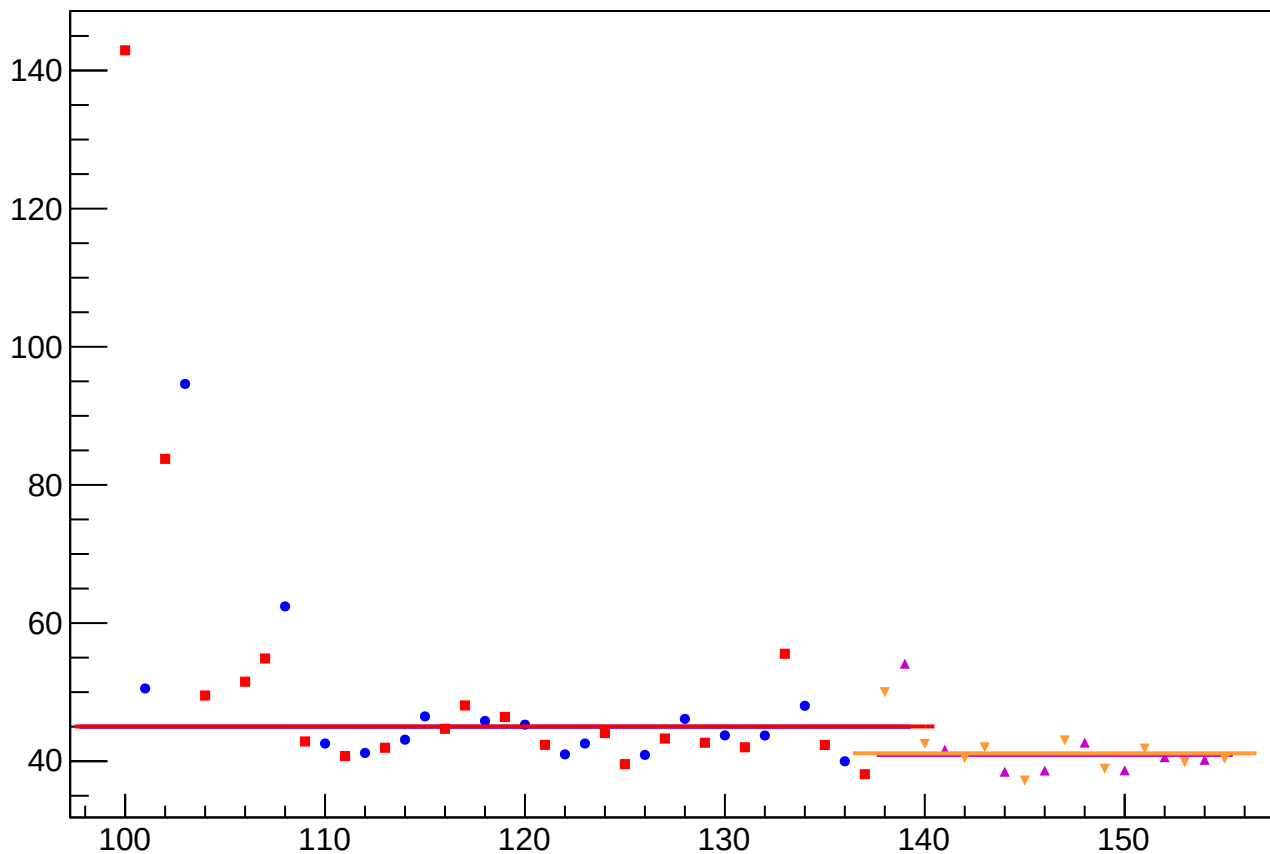
Left In: -47.722 $\pm$ 16.041 χ^2 /NDF:5.7/7

-14.590 $\pm$ 11.590 χ^2 /NDF: 46.5/26

-14.505 $\pm$ 8.260 χ^2 /NDF: 79.6/54

-14.417 $\pm$ 11.775 χ^2 /NDF: 33.0/27

reg_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 45.001 $\pm$ 0.013 χ^2 /NDF: 438352.8/16

Left Out: 41.145 $\pm$ 0.011 χ^2 /NDF: 75335.9/9

Right Out: 45.034 $\pm$ 0.012 χ^2 /NDF: 415853.3/19

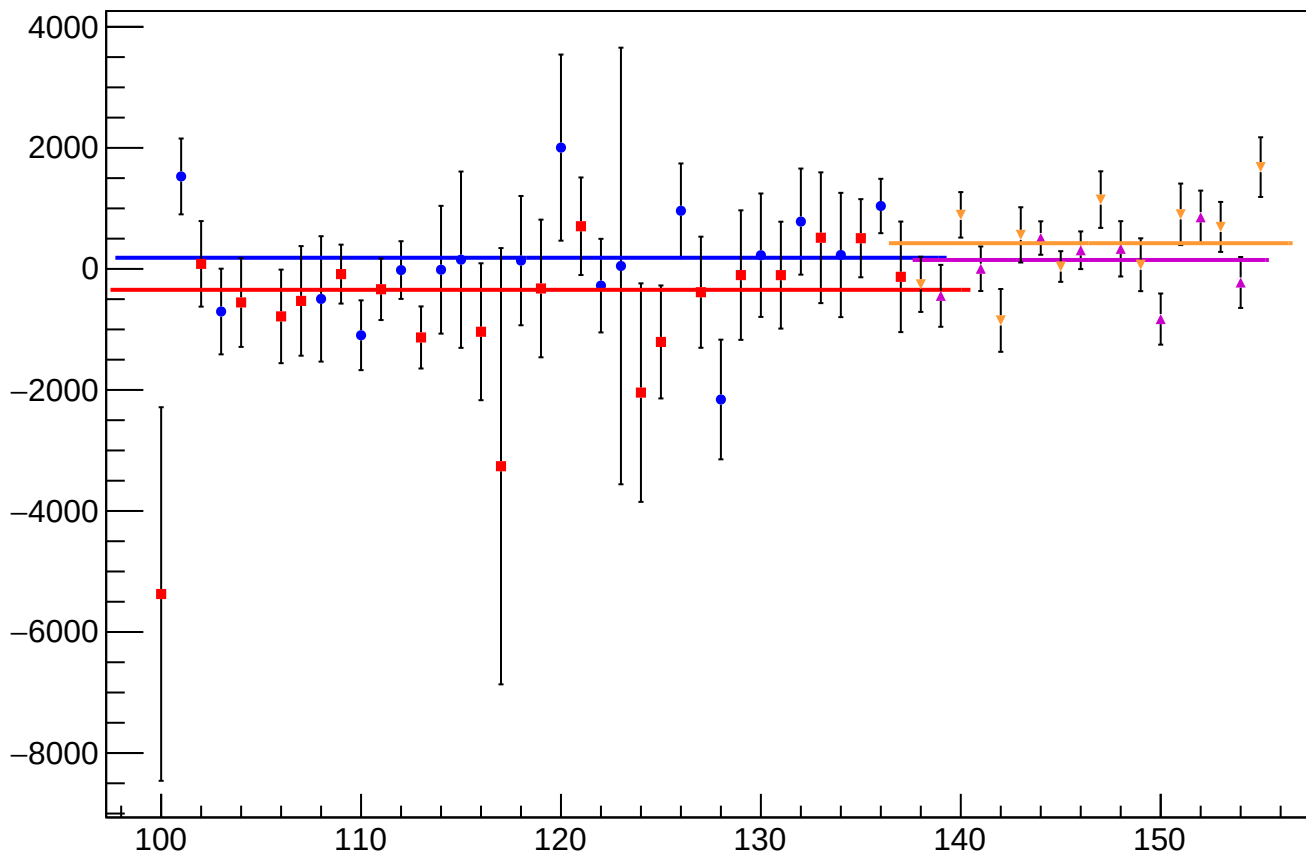
Left In: 40.913 $\pm$ 0.011 χ^2 /NDF: 108142.5/7

42.773 $\pm$ 0.008 χ^2 /NDF: 567698.6/26

42.793 $\pm$ 0.006 χ^2 /NDF: 1152595.5/54

42.814 $\pm$ 0.008 χ^2 /NDF: 584884.7/27

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: 424.718 $\pm$ 129.459 χ^2 /NDF: 23.1/9

Right Out: -345.548 $\pm$ 179.160 χ^2 /NDF: 13.1/19

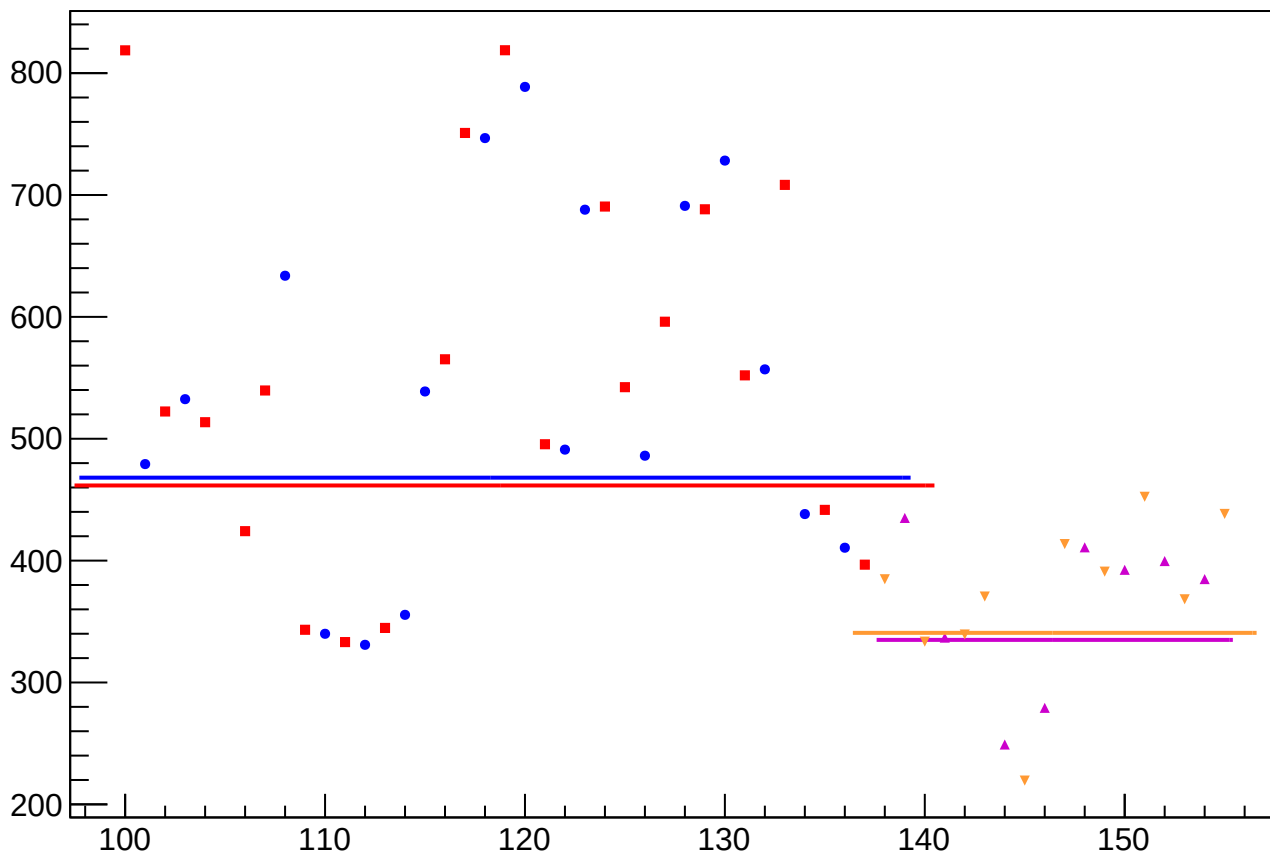
Left In: 147.885 $\pm$ 133.853 χ^2 /NDF: 12.3/7

347.658 $\pm$ 106.726 χ^2 /NDF: 48.4/26

160.280 $\pm$ 75.644 χ^2 /NDF: 84.9/54

-28.876 $\pm$ 107.231 χ^2 /NDF: 30.3/27

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: 340.725 $\pm$ 0.092 χ^2/NDF : 745042.1/9

Right Out: 461.656 $\pm$ 0.127 χ^2/NDF : 967939.5/19

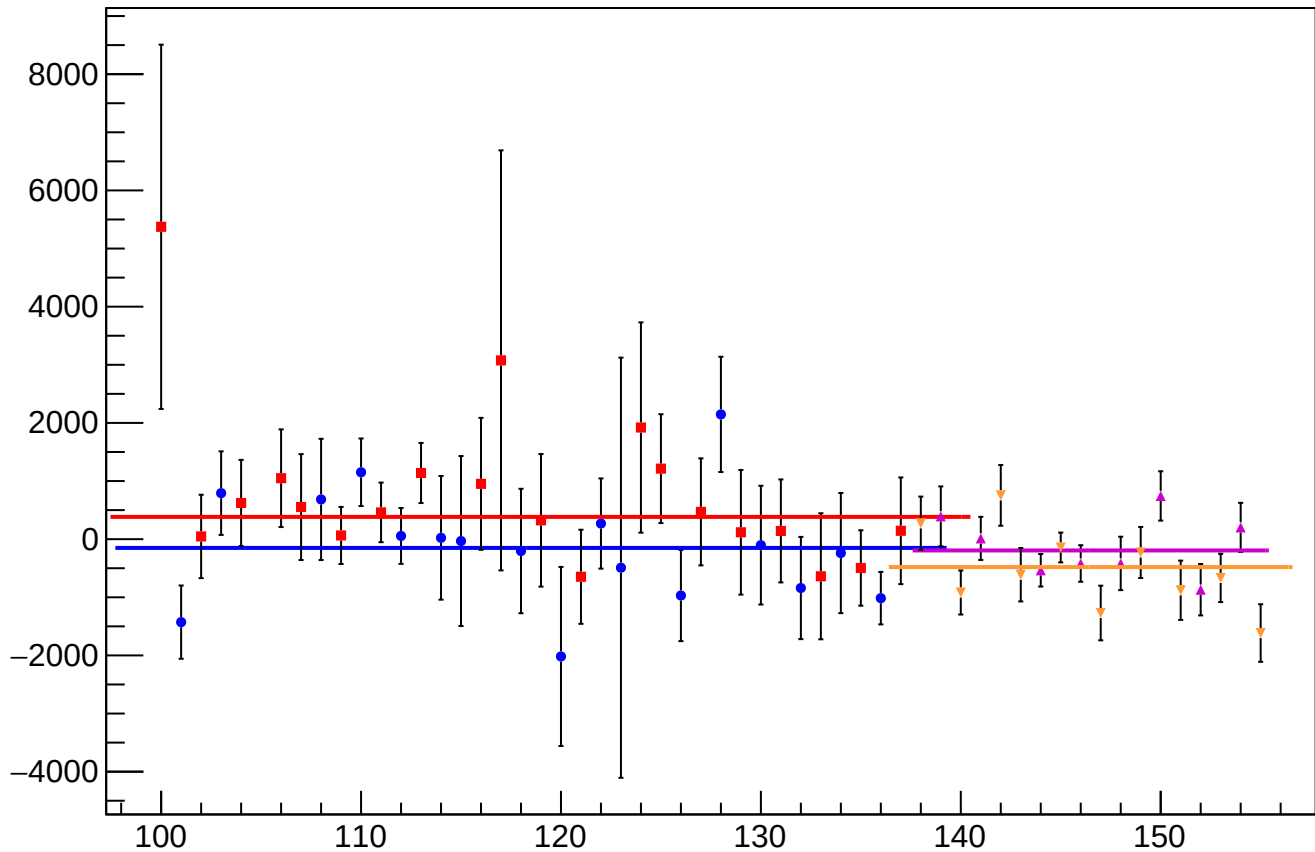
Left In: 334.951 $\pm$ 0.095 χ^2/NDF : 497305.8/7

381.522 $\pm$ 0.075 χ^2/NDF : 2245359.3/26

380.934 $\pm$ 0.053 χ^2/NDF : 4352702.3/54

380.340 $\pm$ 0.076 χ^2/NDF : 2107220.8/27

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -150.305 $\pm$ 189.729 χ^2 /NDF: 24.2/16

Left Out: -480.129 $\pm$ 130.544 χ^2 /NDF:20.6/9

Right Out: 383.331 $\pm$ 181.030 χ^2 /NDF: 13.0/19

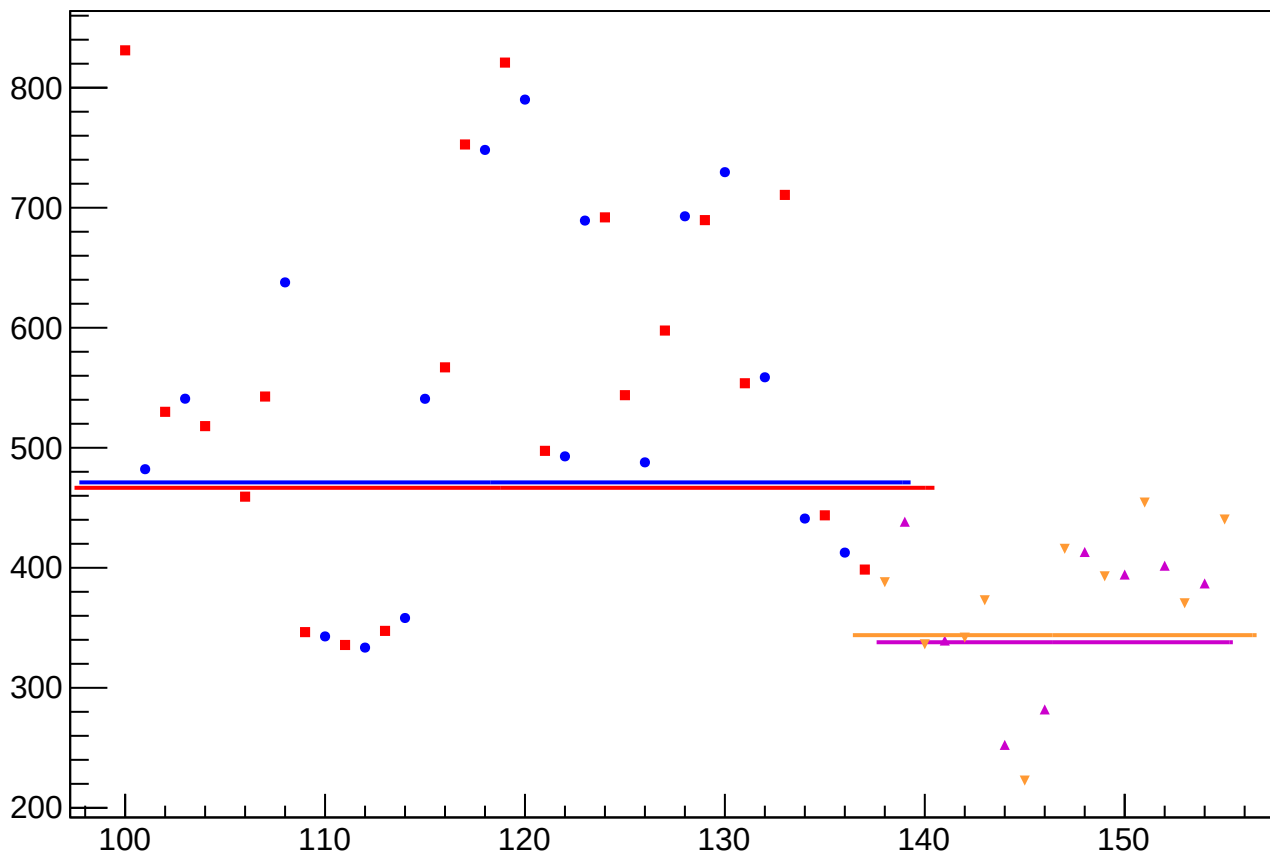
Left In: -193.932 $\pm$ 134.970 χ^2 /NDF:11.9/7

-374.154 $\pm$ 107.546 χ^2 /NDF: 46.9/26

-182.105 $\pm$ 76.279 χ^2 /NDF: 84.7/54

12.309 $\pm$ 108.206 χ^2 /NDF: 31.4/27

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: 343.885 $\pm$ 0.092 χ^2/NDF : 721625.3/9

Right Out: 466.655 $\pm$ 0.128 χ^2/NDF : 953088.6/19

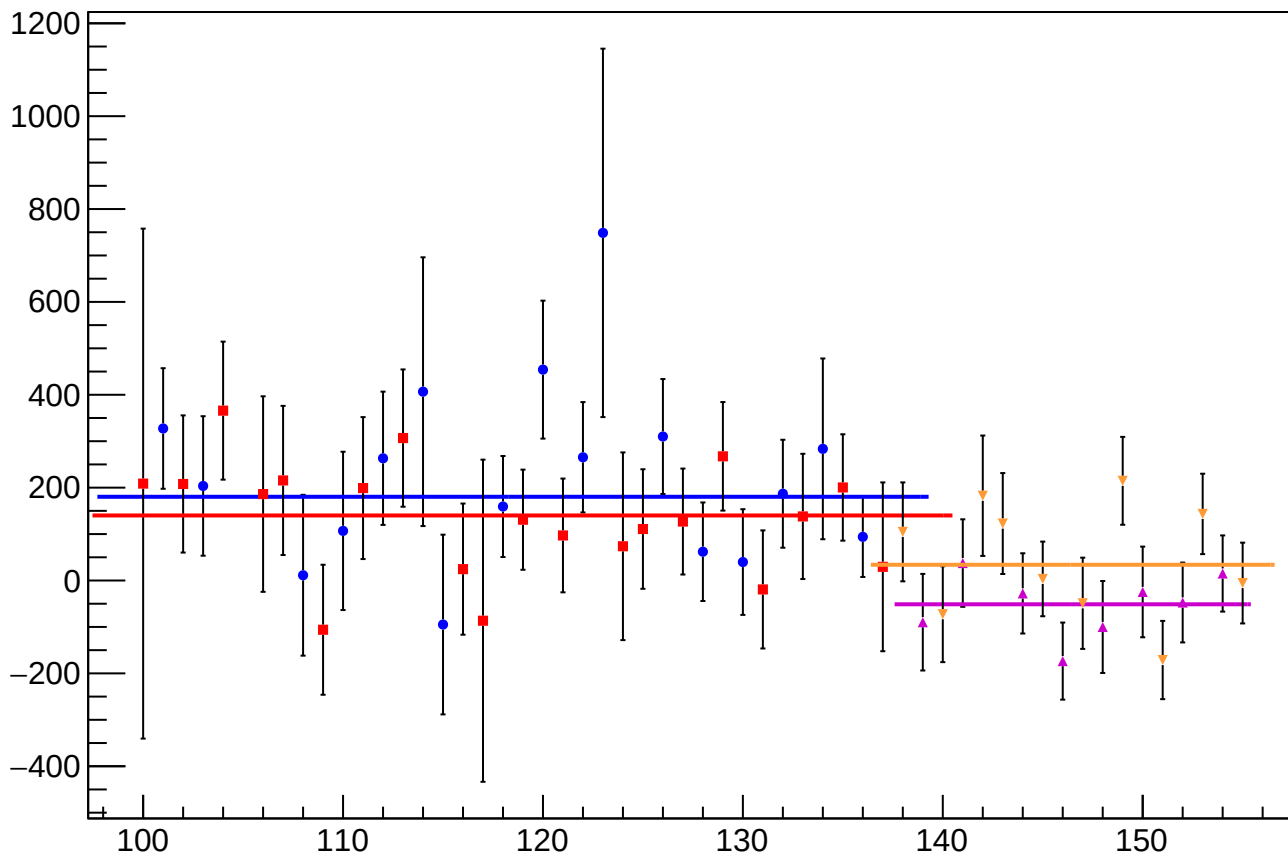
Left In: 337.977 $\pm$ 0.095 χ^2/NDF : 483335.5/7

384.778 $\pm$ 0.076 χ^2/NDF : 2204255.0/26

384.367 $\pm$ 0.054 χ^2/NDF : 4290212.3/54

383.951 $\pm$ 0.077 χ^2/NDF : 2085898.6/27

reg_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 180.326 $\pm$ 32.769 χ^2 /NDF: 16.6/16

Left Out: 33.916 $\pm$ 30.117 χ^2 /NDF:15.7/9

Right Out: 140.070 $\pm$ 32.198 χ^2 /NDF: 12.1/19

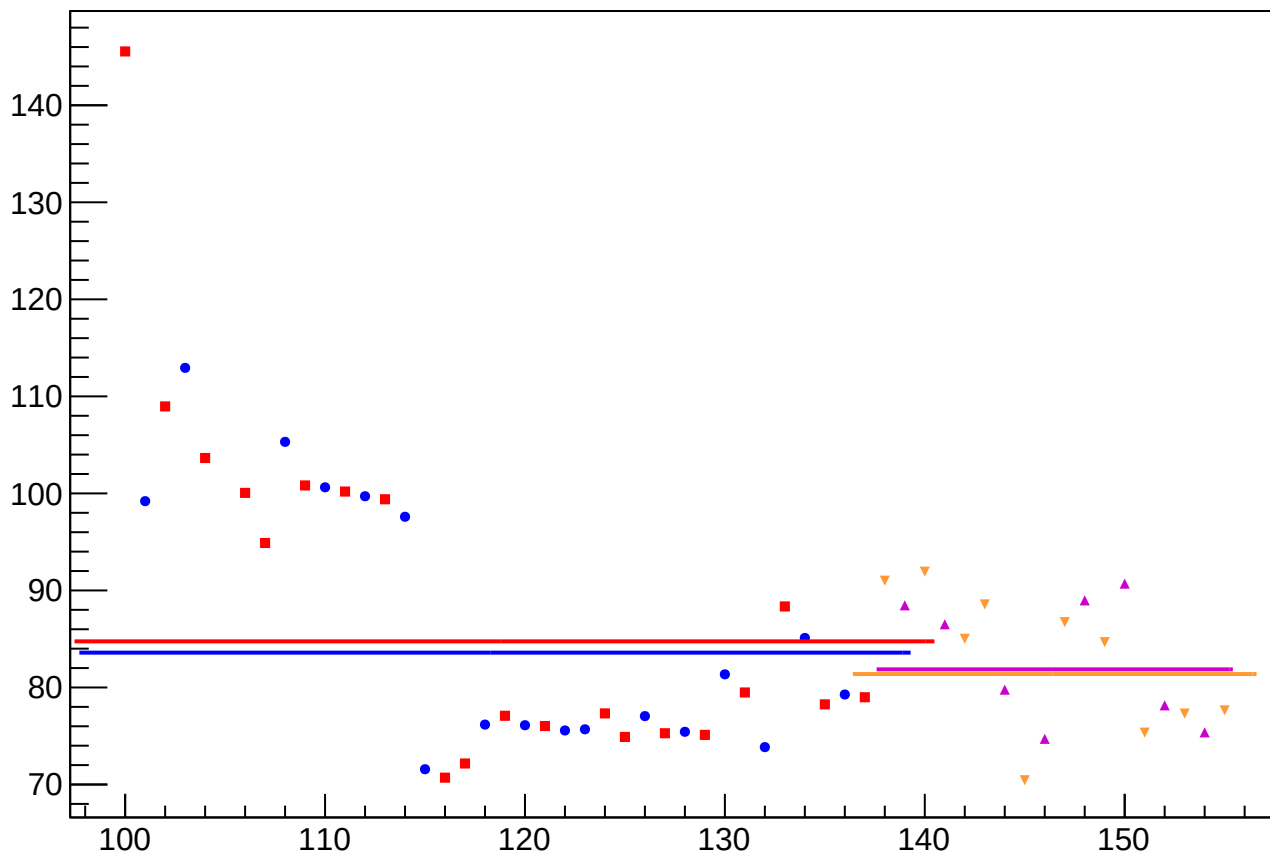
Left In: -51.209 $\pm$ 32.028 χ^2 /NDF:4.2/7

100.957 $\pm$ 22.174 χ^2 /NDF: 43.1/26

73.117 $\pm$ 15.865 χ^2 /NDF: 80.4/54

43.922 $\pm$ 22.707 χ^2 /NDF: 34.1/27

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: 81.385 $\pm$ 0.021 χ^2 /NDF:111318.1/9

Right Out: 84.752 $\pm$ 0.023 χ^2 /NDF: 293262.6/19

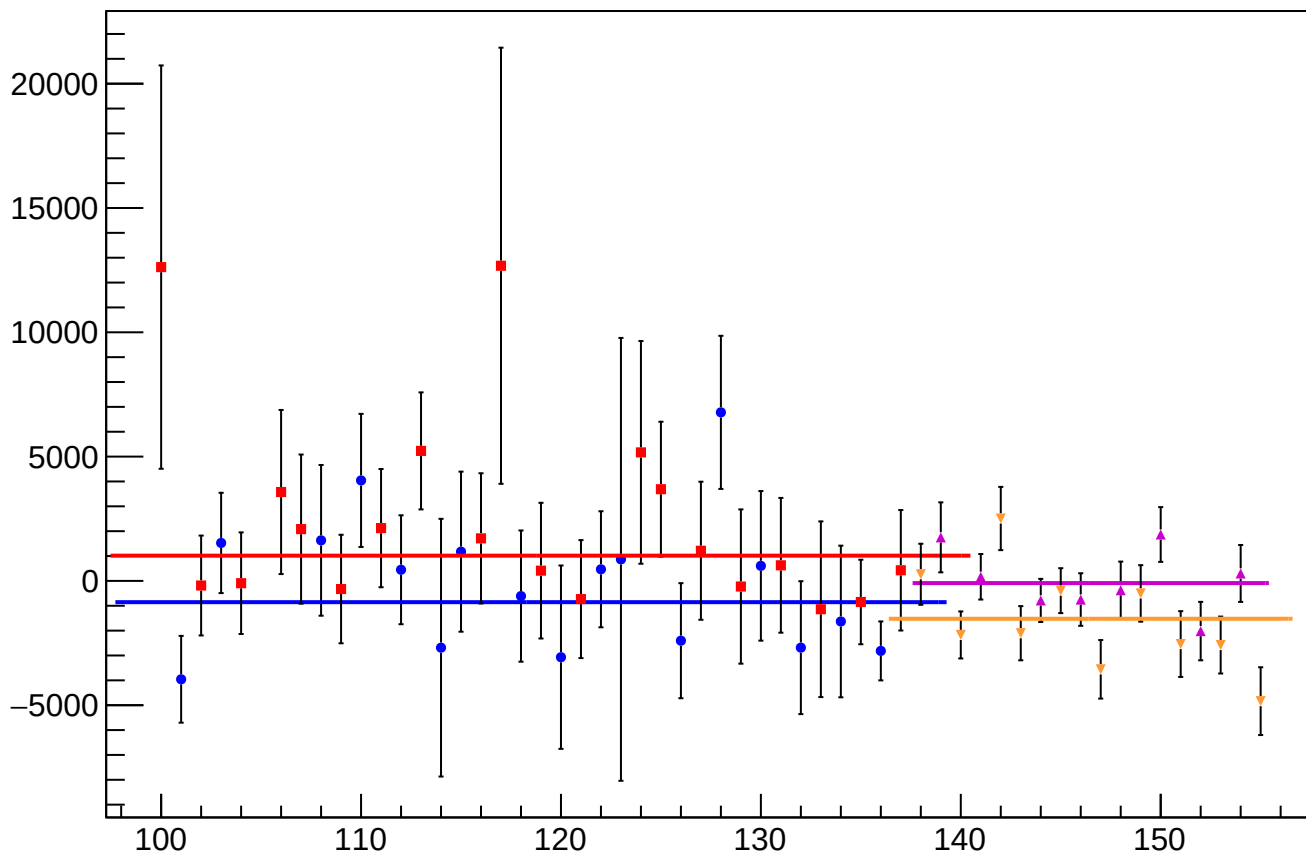
Left In: 81.867 $\pm$ 0.023 χ^2 /NDF:71886.2/7

82.395 $\pm$ 0.016 χ^2 /NDF: 372153.6/26

82.837 $\pm$ 0.011 χ^2 /NDF: 747005.0/54

83.302 $\pm$ 0.016 χ^2 /NDF: 373218.8/27

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: -1522.250 ± 357.252 $\chi^2/\text{NDF}: 25.6/9$

Right Out: 1015.523 ± 587.747 $\chi^2/\text{NDF}: 13.3/19$

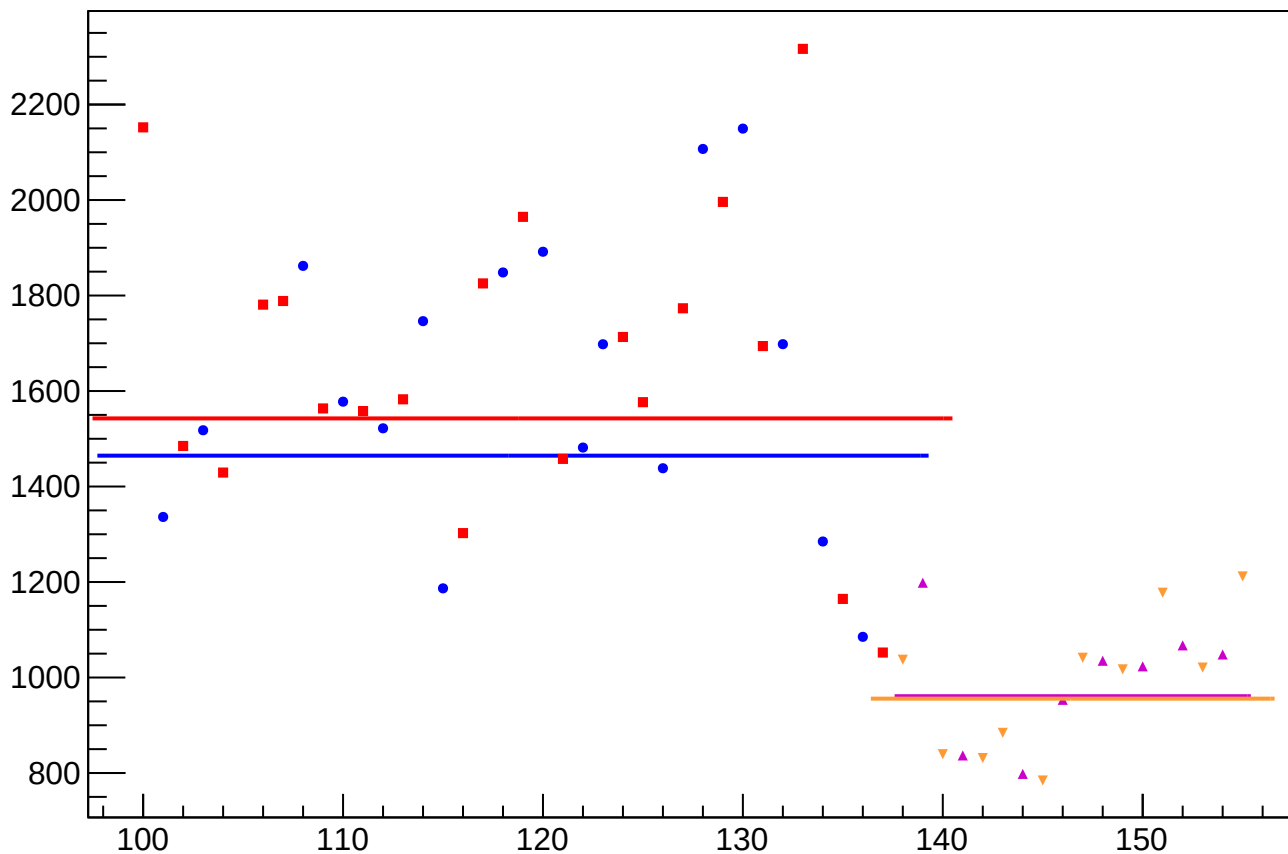
Left In: -87.324 ± 378.230 $\chi^2/\text{NDF}: 8.9/7$

-1340.312 ± 304.651 $\chi^2/\text{NDF}: 46.9/26$

-586.260 ± 220.009 $\chi^2/\text{NDF}: 84.3/54$

235.643 ± 318.062 $\chi^2/\text{NDF}: 24.6/27$

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: 955.760 $\pm$ 0.253 χ^2 /NDF: 288434.8/9

Right Out: 1542.663 $\pm$ 0.416 χ^2 /NDF: 455797.2/19

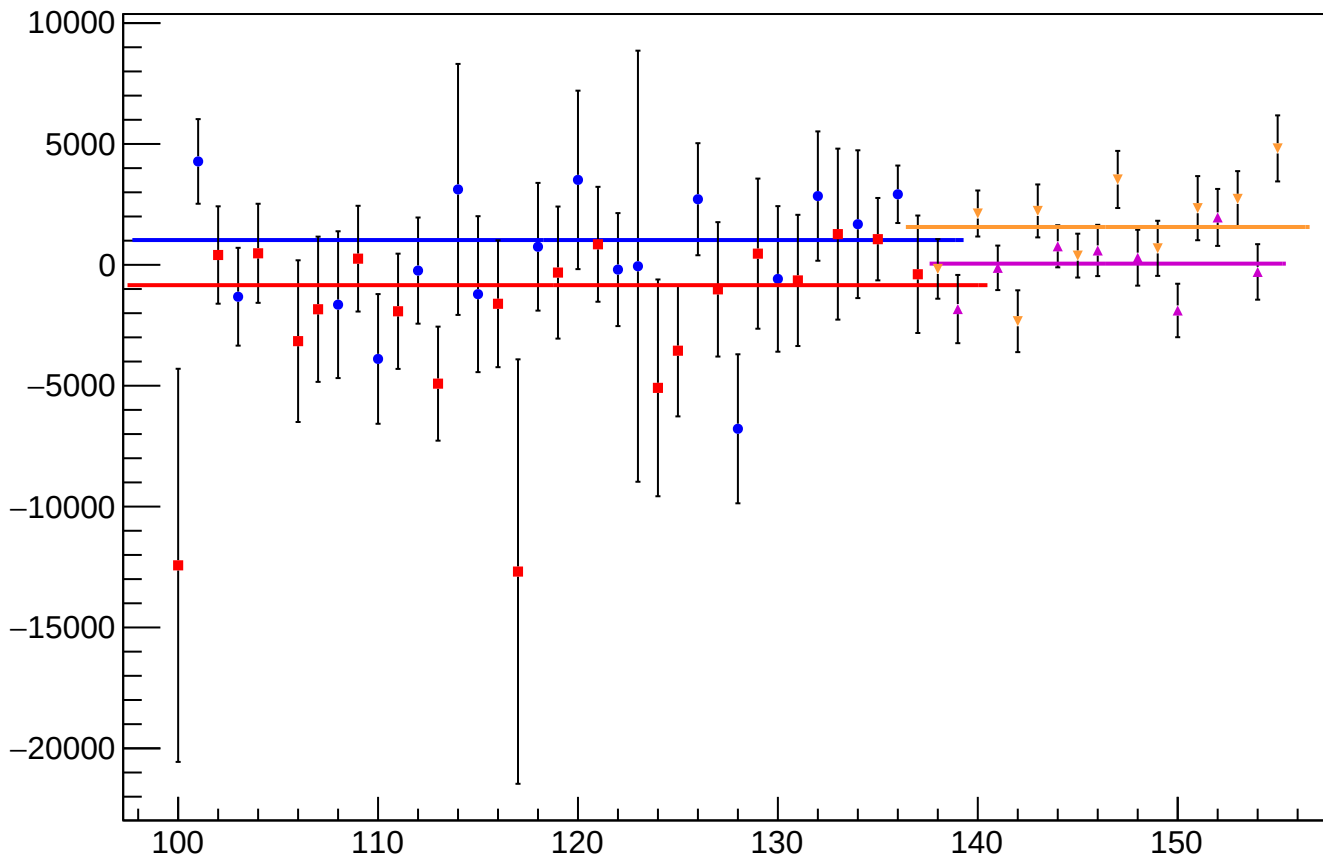
Left In: 960.838 $\pm$ 0.267 χ^2 /NDF: 207193.2/7

1094.578 $\pm$ 0.215 χ^2 /NDF: 1956283.9/26

1112.113 $\pm$ 0.156 χ^2 /NDF: 4019064.3/54

1131.225 $\pm$ 0.225 χ^2 /NDF: 2048933.5/27

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1025.527 ± 584.500 $\chi^2/\text{NDF}: 20.9/16$

Left Out: 1565.745 ± 358.718 $\chi^2/\text{NDF}: 24.1/9$

Right Out: -840.586 ± 589.057 $\chi^2/\text{NDF}: 13.0/19$

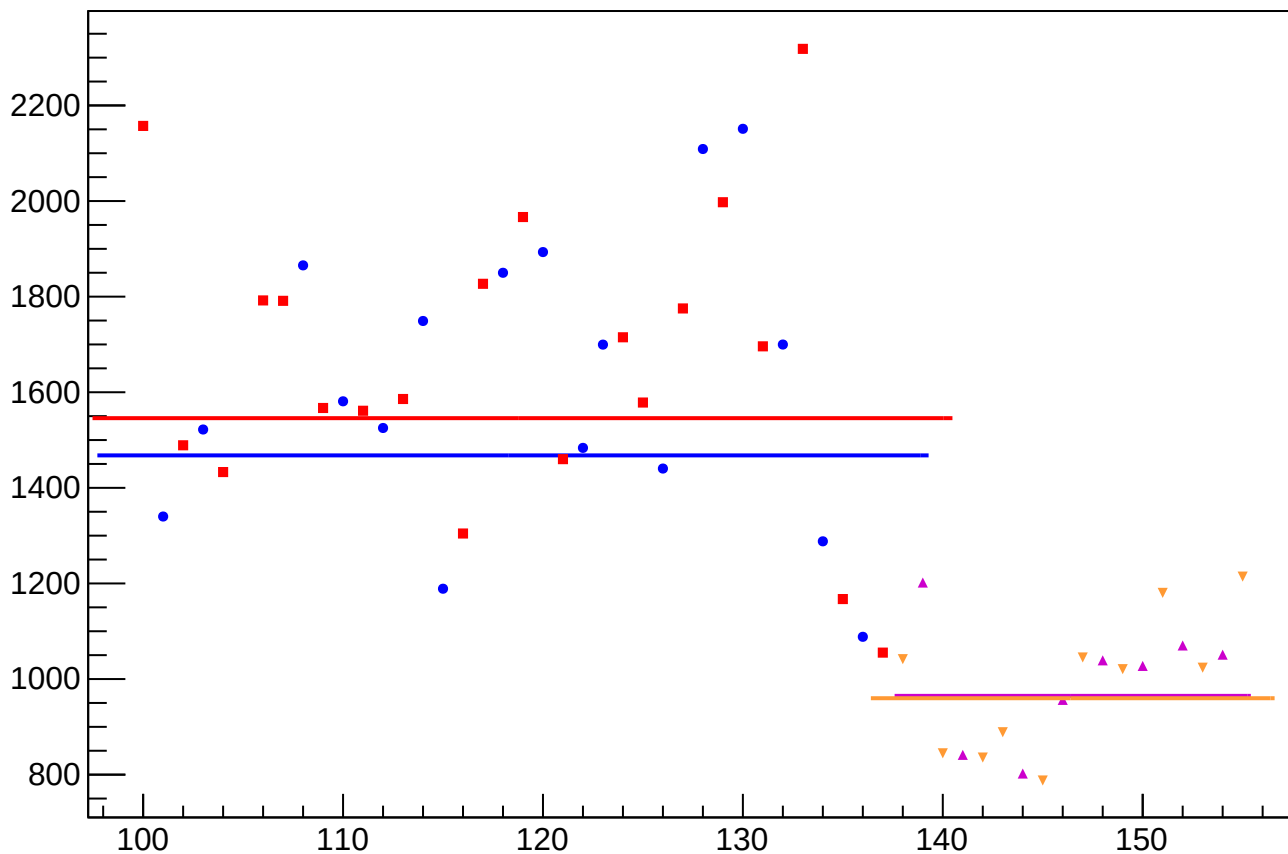
Left In: 49.623 ± 379.734 $\chi^2/\text{NDF}: 8.6/7$

1417.942 ± 305.733 $\chi^2/\text{NDF}: 45.6/26$

638.124 ± 220.781 $\chi^2/\text{NDF}: 82.5/54$

-211.716 ± 319.164 $\chi^2/\text{NDF}: 23.2/27$

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: 959.886 $\pm$ 0.254 χ^2/NDF : 284253.4/9

Right Out: 1545.785 $\pm$ 0.417 χ^2/NDF : 453865.6/19

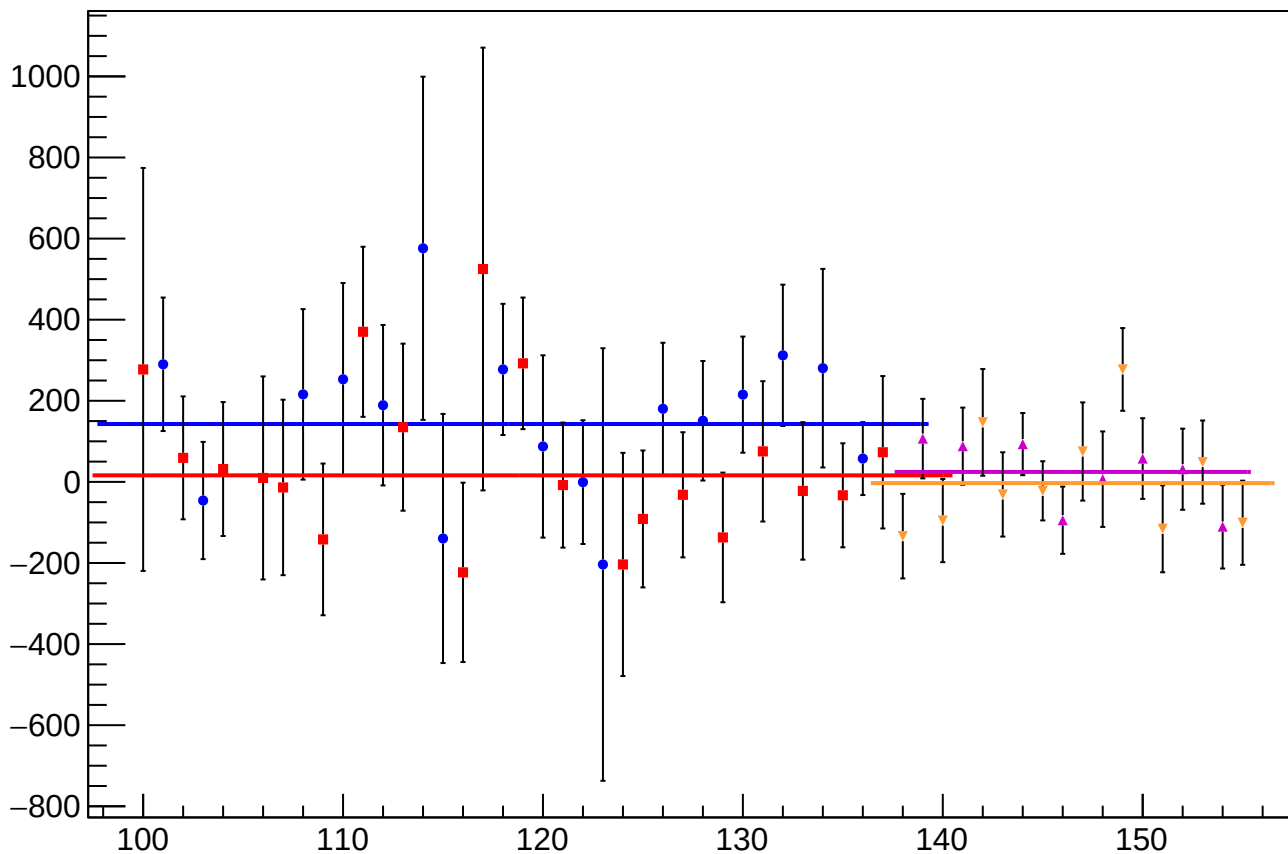
Left In: 964.809 $\pm$ 0.269 χ^2/NDF : 204080.0/7

1098.880 $\pm$ 0.216 χ^2/NDF : 1939195.1/26

1116.339 $\pm$ 0.156 χ^2/NDF : 3985126.9/54

1135.367 $\pm$ 0.226 χ^2/NDF : 2032301.2/27

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: -3.001 $\pm$ 32.208 χ^2 /NDF:14.0/9

Right Out: 16.103 $\pm$ 41.277 χ^2 /NDF: 11.7/19

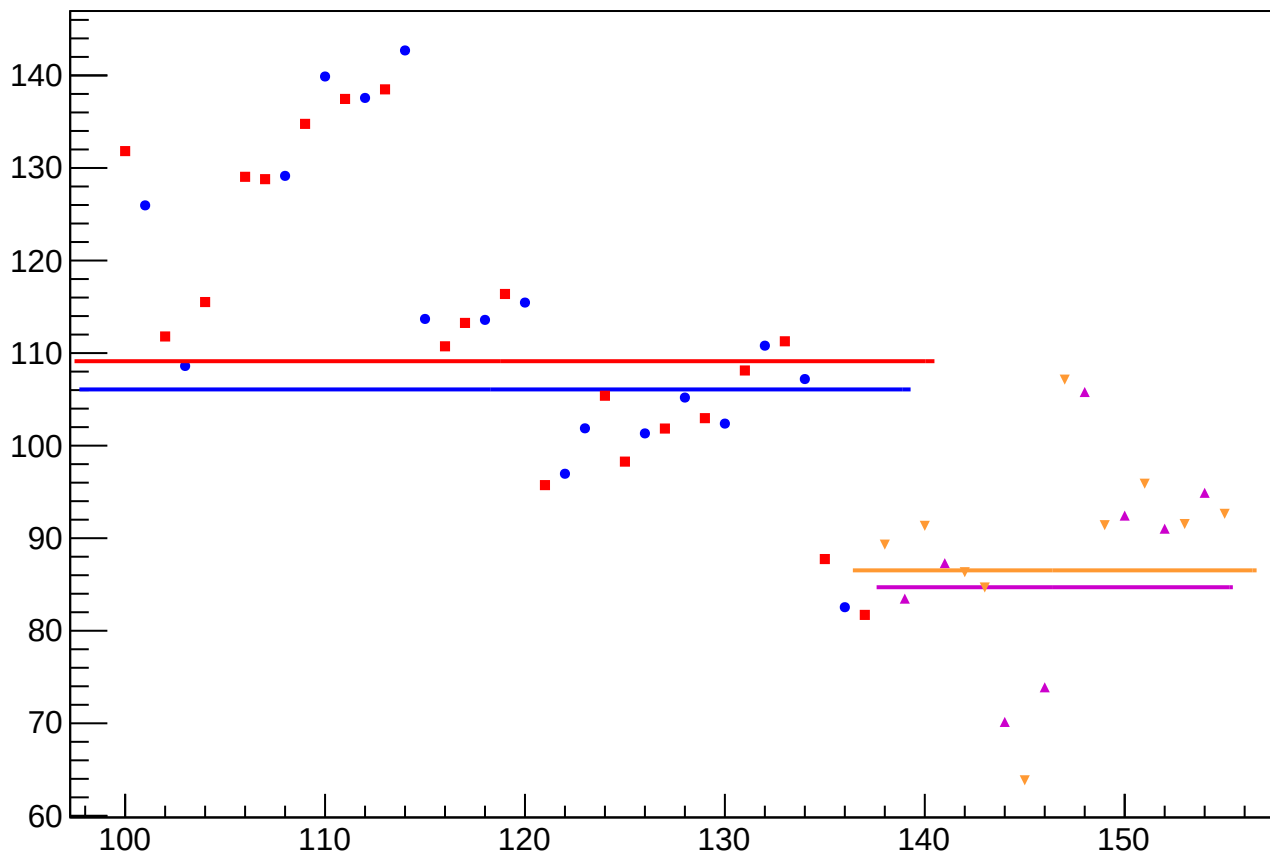
Left In: 24.552 $\pm$ 33.382 χ^2 /NDF:5.9/7

51.556 $\pm$ 25.473 χ^2 /NDF: 31.0/26

36.669 $\pm$ 18.181 χ^2 /NDF: 49.3/54

21.211 $\pm$ 25.956 χ^2 /NDF: 17.6/27

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 106.074 $\pm$ 0.029 χ^2 /NDF: 317907.9/16

Left Out: 86.525 $\pm$ 0.023 χ^2 /NDF: 289091.1/9

Right Out: 109.124 $\pm$ 0.029 χ^2 /NDF: 285510.2/19

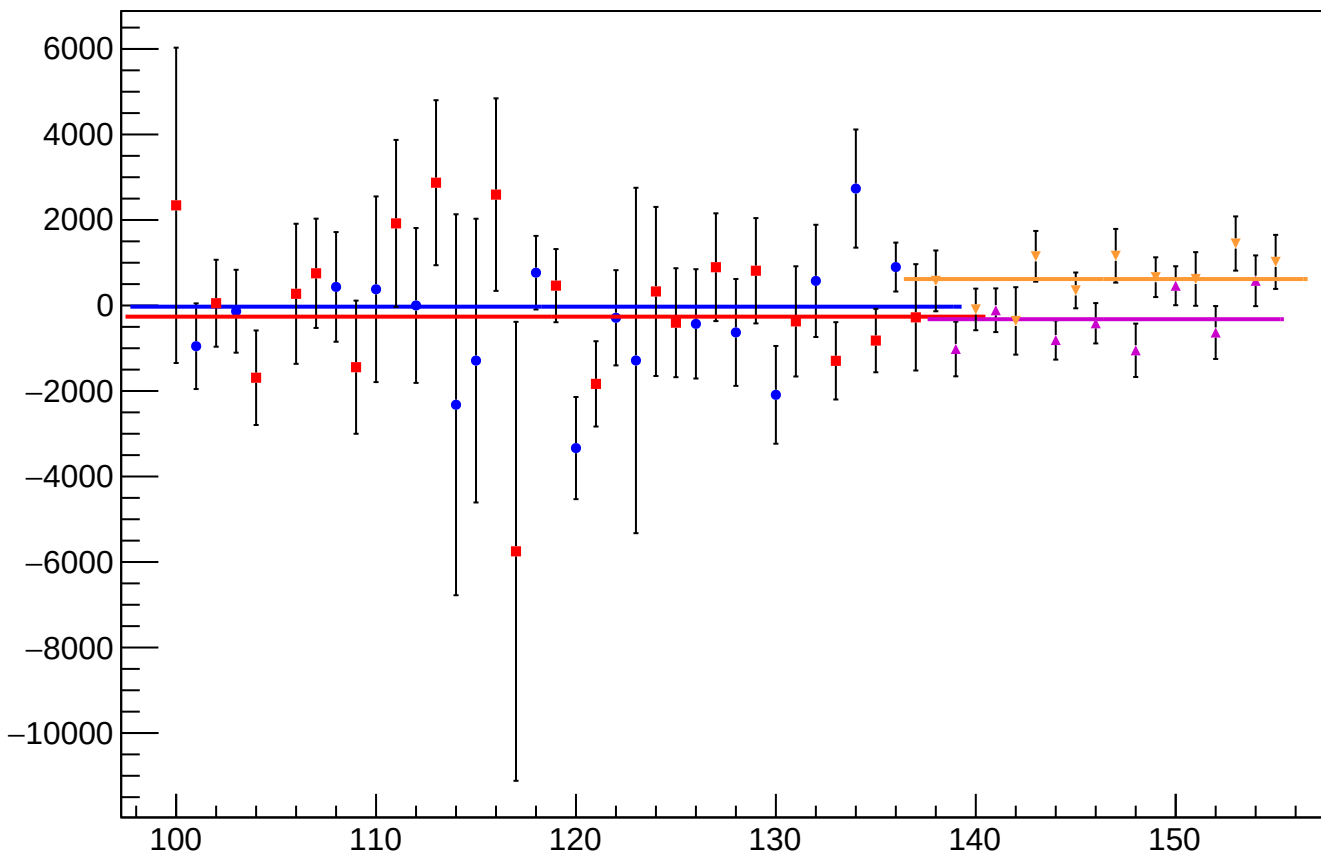
Left In: 84.703 $\pm$ 0.024 χ^2 /NDF: 211806.2/7

93.846 $\pm$ 0.018 χ^2 /NDF: 882910.7/26

94.098 $\pm$ 0.013 χ^2 /NDF: 1803878.7/54

94.359 $\pm$ 0.018 χ^2 /NDF: 920569.3/27

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: 618.322 $\pm$ 179.436 χ^2 /NDF: 7.8/9

Right Out: -261.265 $\pm$ 279.073 χ^2 /NDF: 16.9/19

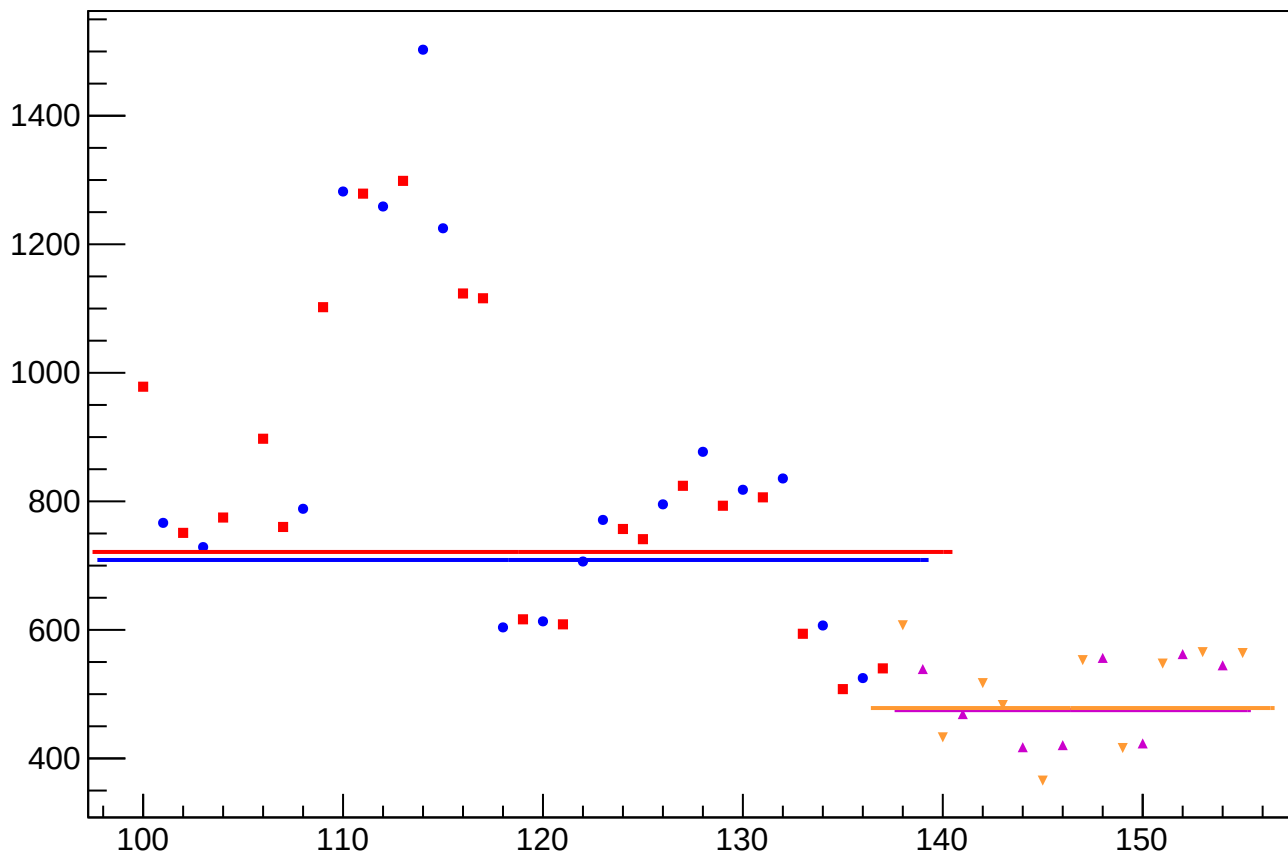
Left In: -320.946 $\pm$ 187.783 χ^2 /NDF: 9.4/7

433.694 $\pm$ 151.655 χ^2 /NDF: 32.0/26

75.586 $\pm$ 108.671 χ^2 /NDF: 69.8/54

-302.346 $\pm$ 155.797 χ^2 /NDF: 26.3/27

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: 478.390 $\pm$ 0.127 χ^2 /NDF: 396262.8/9

Right Out: 721.271 $\pm$ 0.197 χ^2 /NDF: 910781.0/19

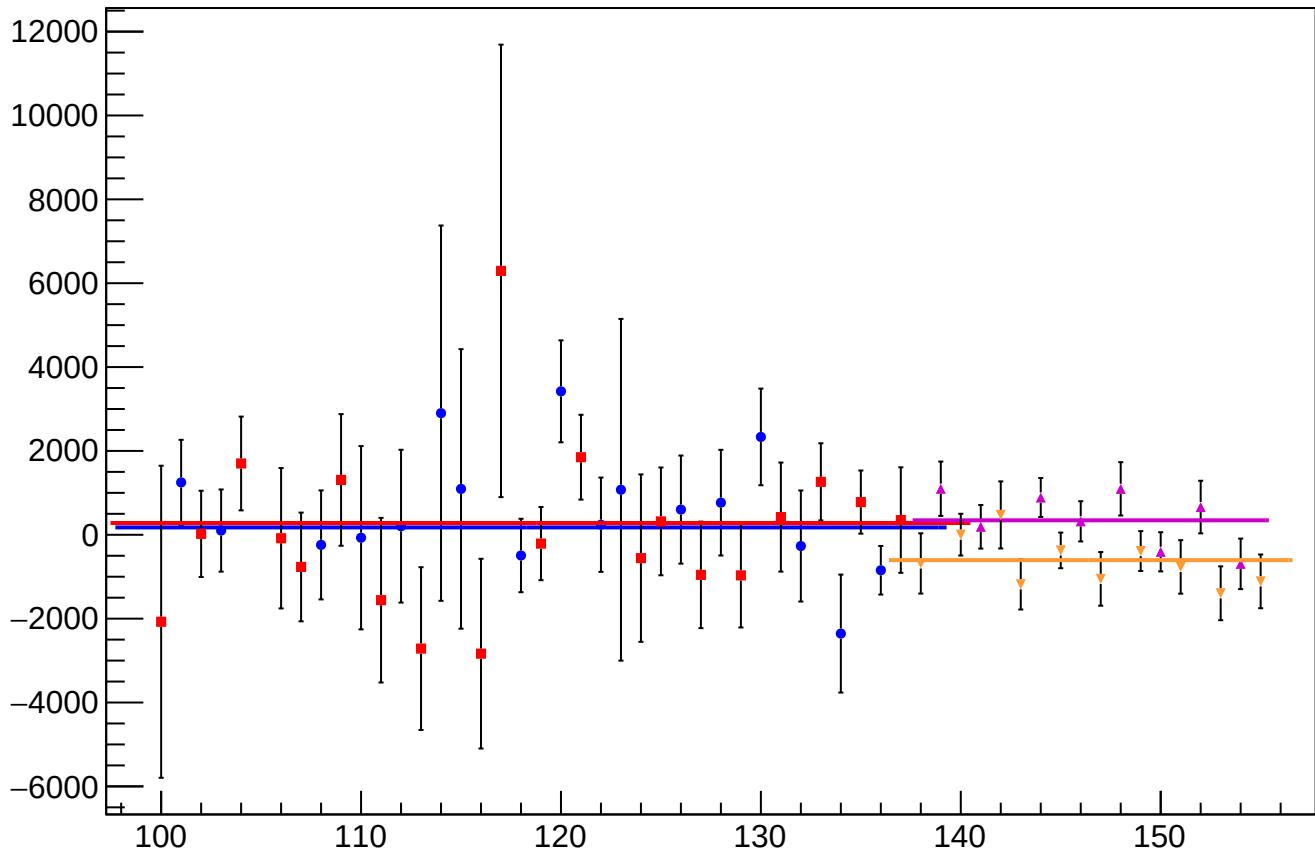
Left In: 475.109 $\pm$ 0.133 χ^2 /NDF: 205671.5/7

544.208 $\pm$ 0.107 χ^2 /NDF: 2131741.8/26

547.915 $\pm$ 0.077 χ^2 /NDF: 4321776.8/54

551.828 $\pm$ 0.110 χ^2 /NDF: 2187578.5/27

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 175.854 ± 287.218 χ^2/NDF : 19.7/16

Left Out: -604.481 ± 182.554 χ^2/NDF : 7.4/9

Right Out: 281.173 ± 282.685 χ^2/NDF : 16.1/19

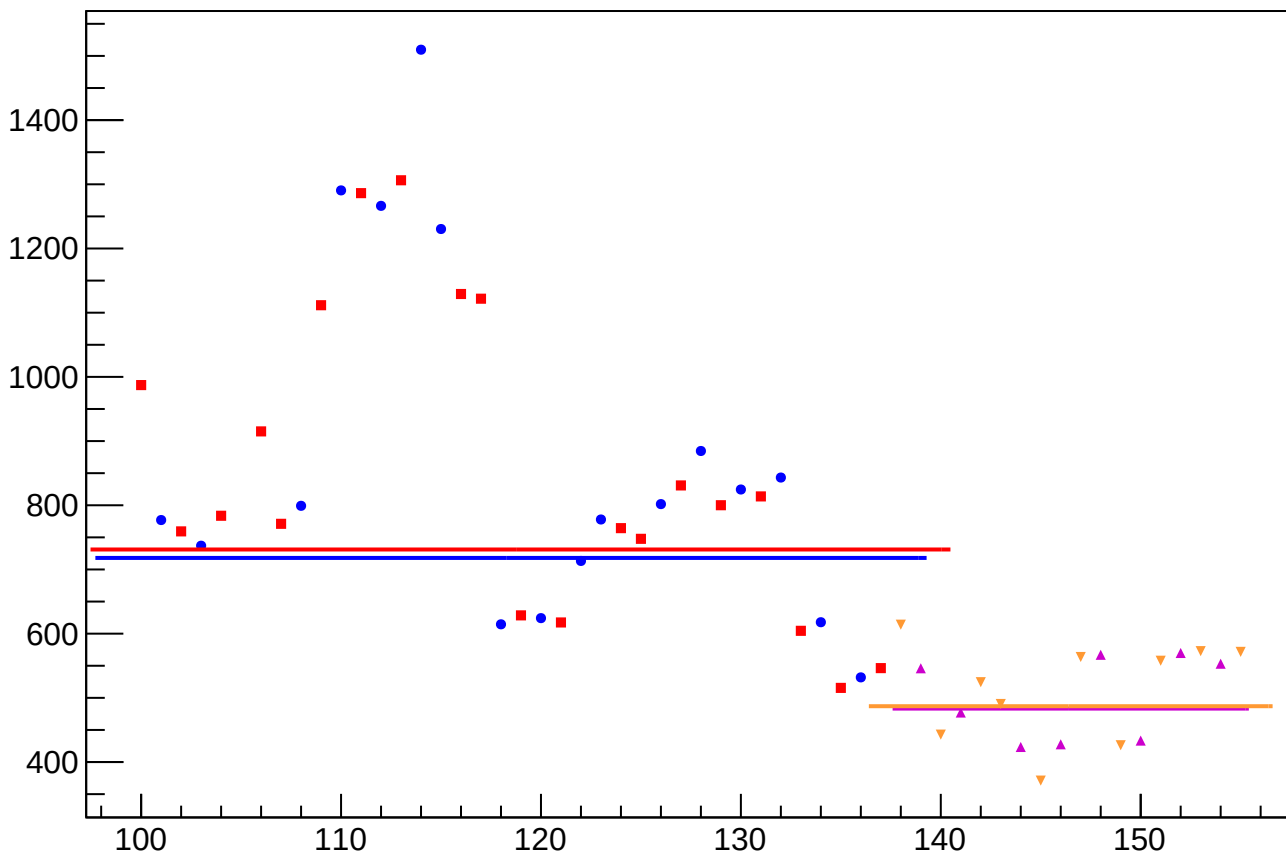
Left In: 344.777 ± 190.944 χ^2/NDF : 10.0/7

-379.949 ± 154.067 χ^2/NDF : 32.4/26

-36.942 ± 110.384 χ^2/NDF : 68.7/54

324.849 ± 158.229 χ^2/NDF : 26.1/27

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: 486.970 $\pm$ 0.129 χ^2/NDF : 388037.0/9

Right Out: 731.116 $\pm$ 0.200 χ^2/NDF : 892357.6/19

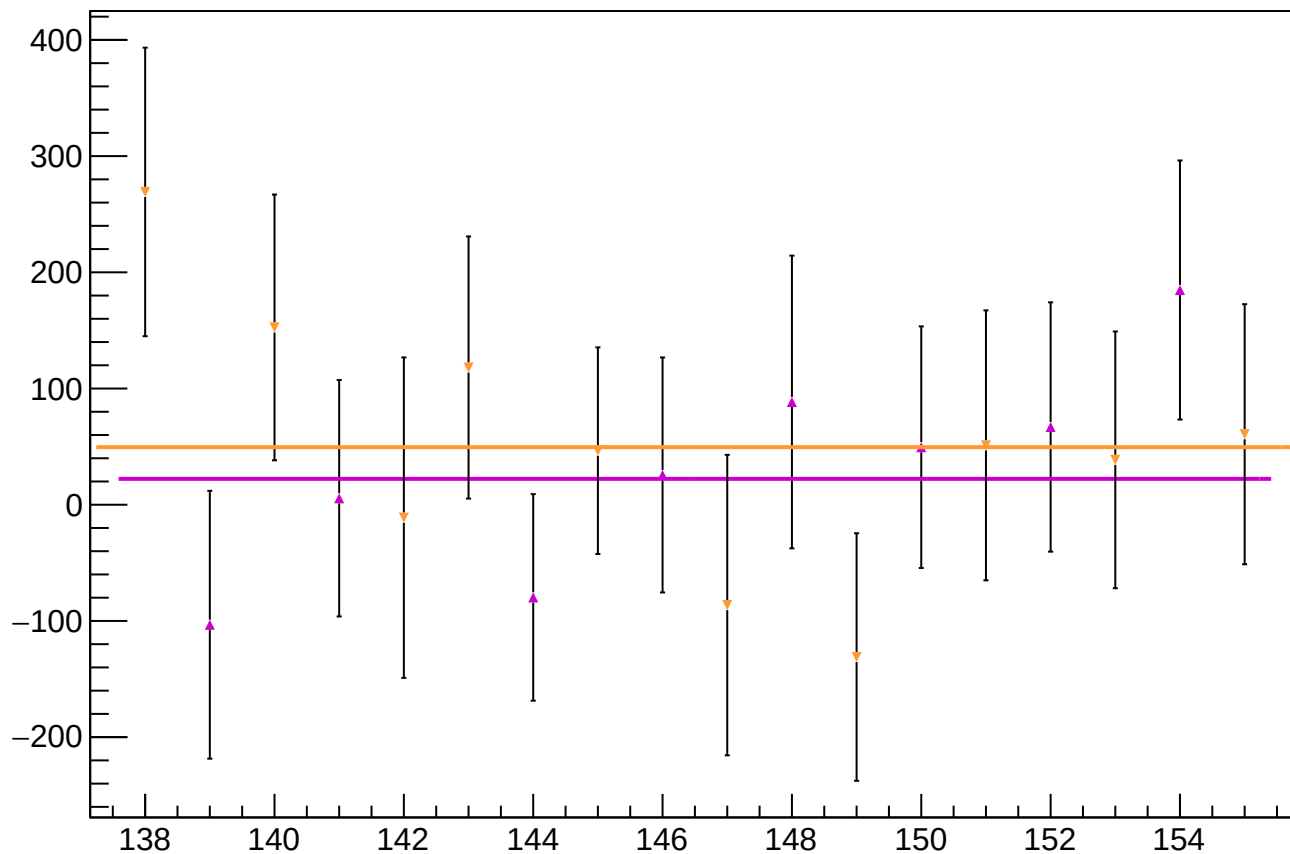
Left In: 483.273 $\pm$ 0.135 χ^2/NDF : 201798.5/7

553.439 $\pm$ 0.109 χ^2/NDF : 2088085.2/26

557.081 $\pm$ 0.078 χ^2/NDF : 4240237.5/54

560.923 $\pm$ 0.112 χ^2/NDF : 2149855.1/27

reg_asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 49.554+/-35.739 χ^2/NDF : 8.5/9

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

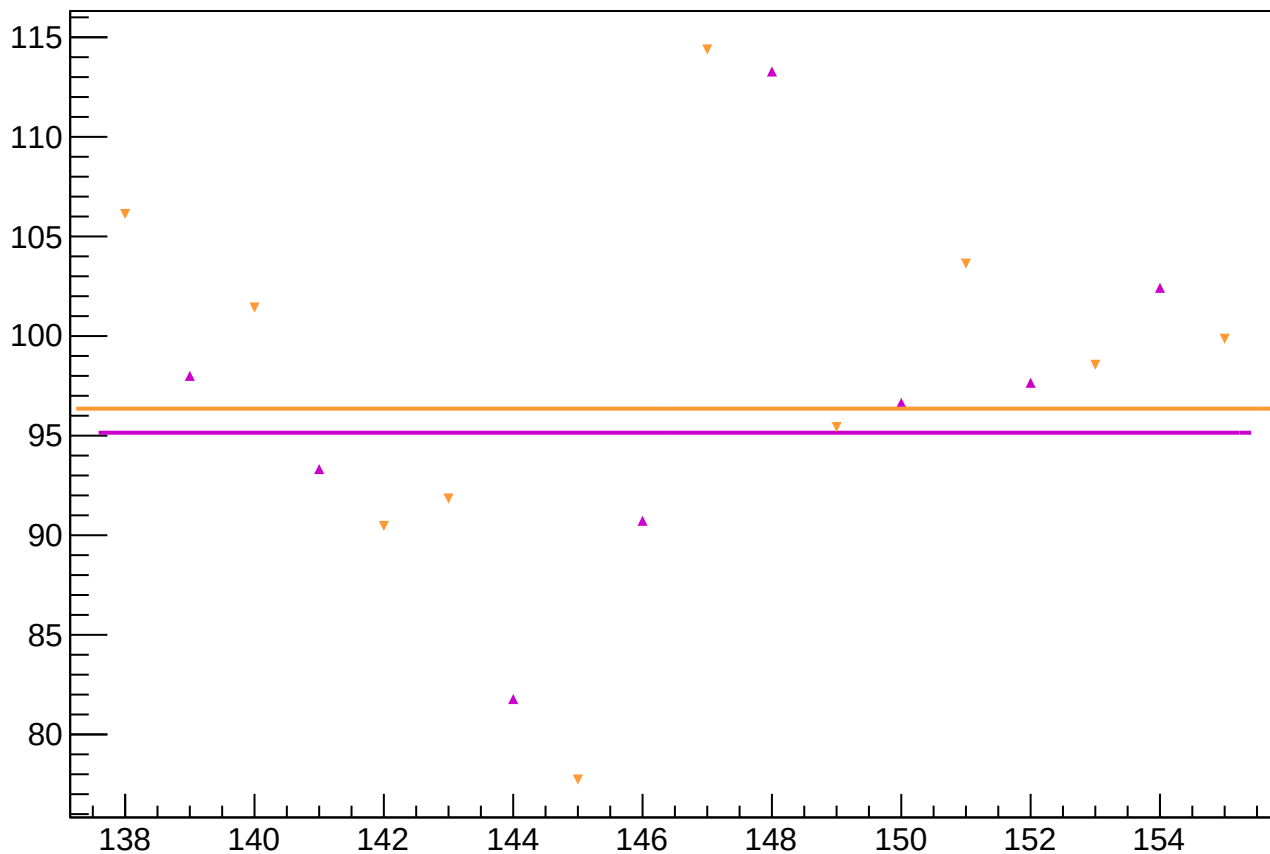
Left In: 22.263+/-37.289 χ^2/NDF : 5.2/7

49.554+/-35.739 χ^2/NDF : 8.5/9

36.488+/-25.802 χ^2/NDF : 14.0/17

22.263+/-37.289 χ^2/NDF : 5.2/7

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 96.355+/-0.025 χ^2/NDF : 160544.4/9

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

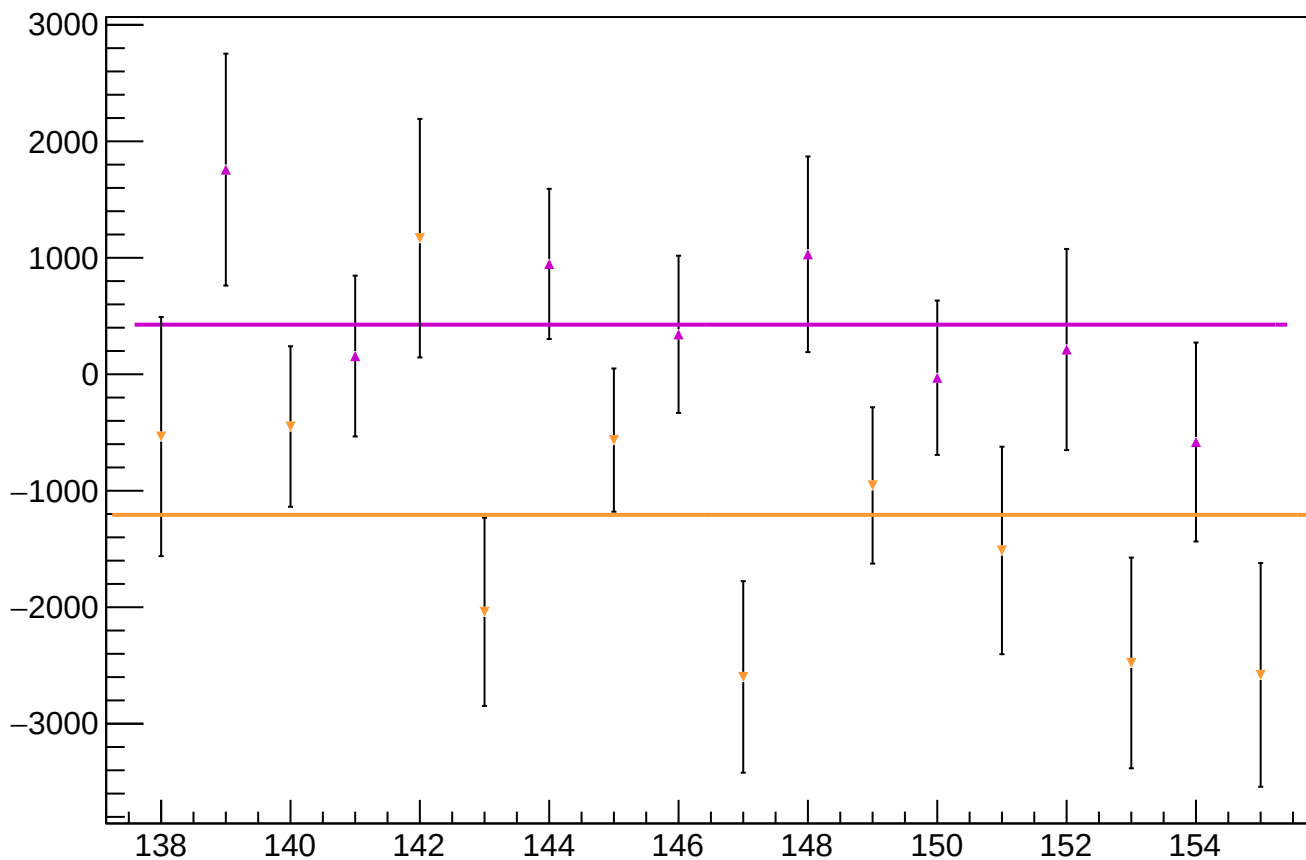
Left In: 95.147+/-0.026 χ^2/NDF : 102428.9/7

96.355+/-0.025 χ^2/NDF : 160544.4/9

95.777+/-0.018 χ^2/NDF : 264068.2/17

95.147+/-0.026 χ^2/NDF : 102428.9/7

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1206.995+/-254.387 χ^2/NDF : 16.3/9

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

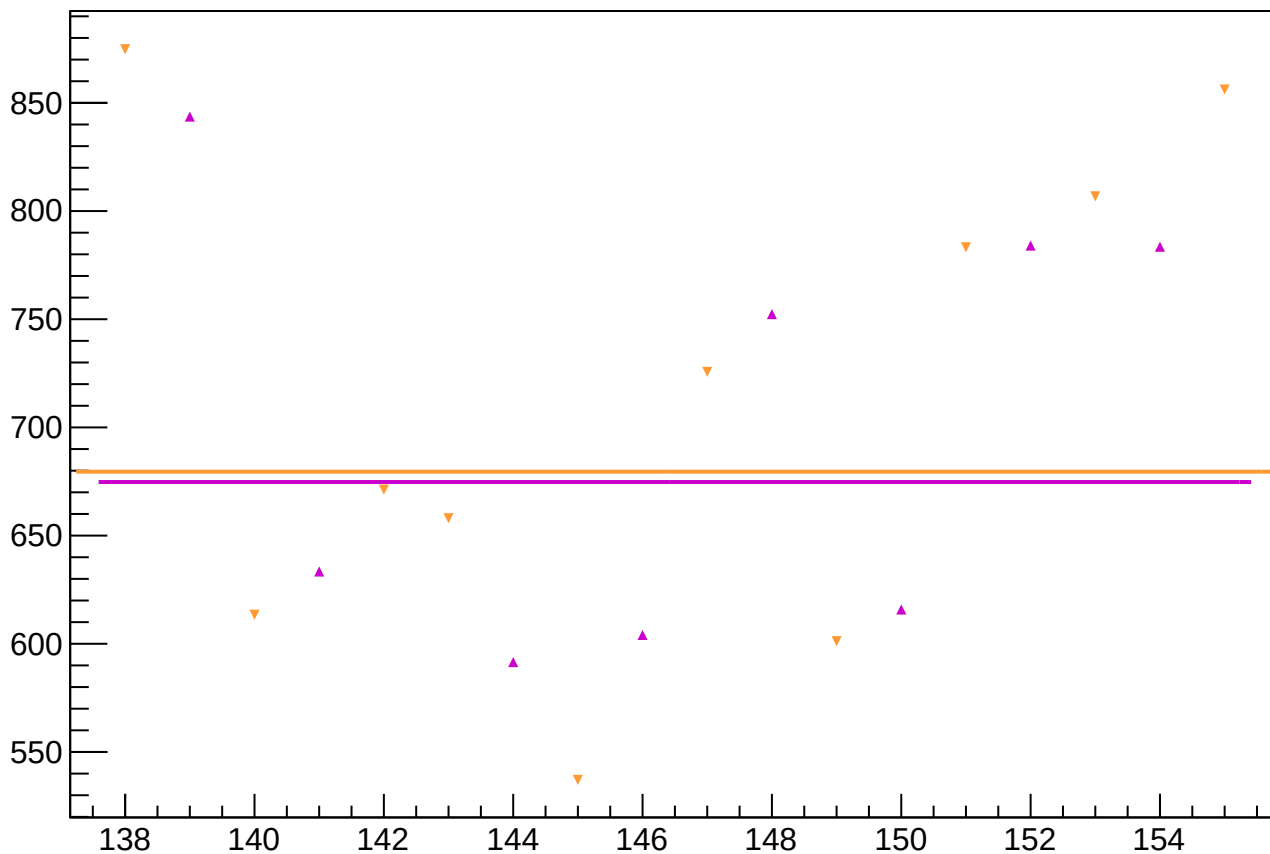
Left In: 426.063+/-266.144 χ^2/NDF : 5.1/7

-1206.995+/-254.387 χ^2/NDF : 16.3/9

-427.331+/-183.895 χ^2/NDF : 41.1/17

426.063+/-266.144 χ^2/NDF : 5.1/7

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 679.547+/-0.180 χ^2/NDF : 367558.2/9

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

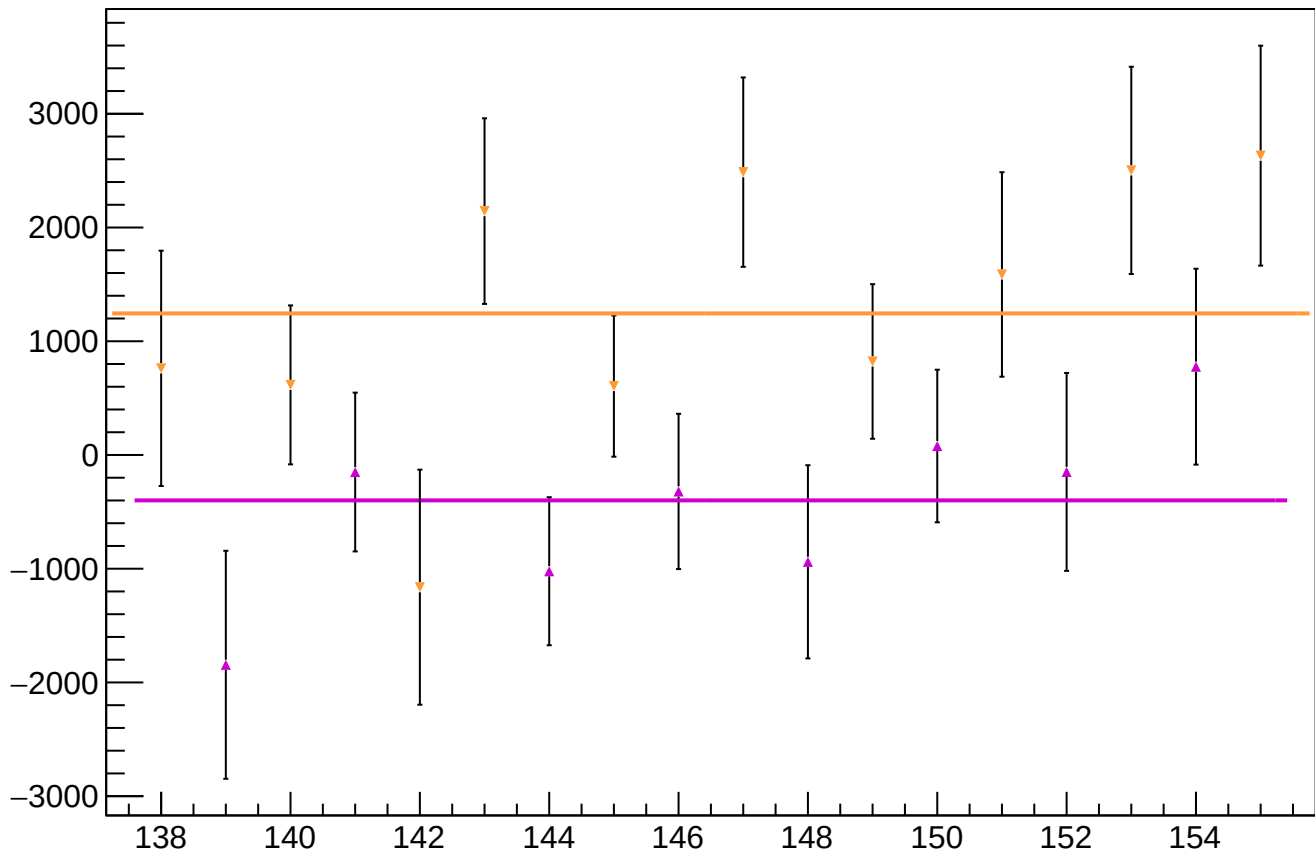
Left In: 674.759+/-0.188 χ^2/NDF : 217384.8/7

679.547+/-0.180 χ^2/NDF : 367558.2/9

677.261+/-0.130 χ^2/NDF : 585281.2/17

674.759+/-0.188 χ^2/NDF : 217384.8/7

asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 1244.829+/-257.068 χ^2/NDF : 15.4/9

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

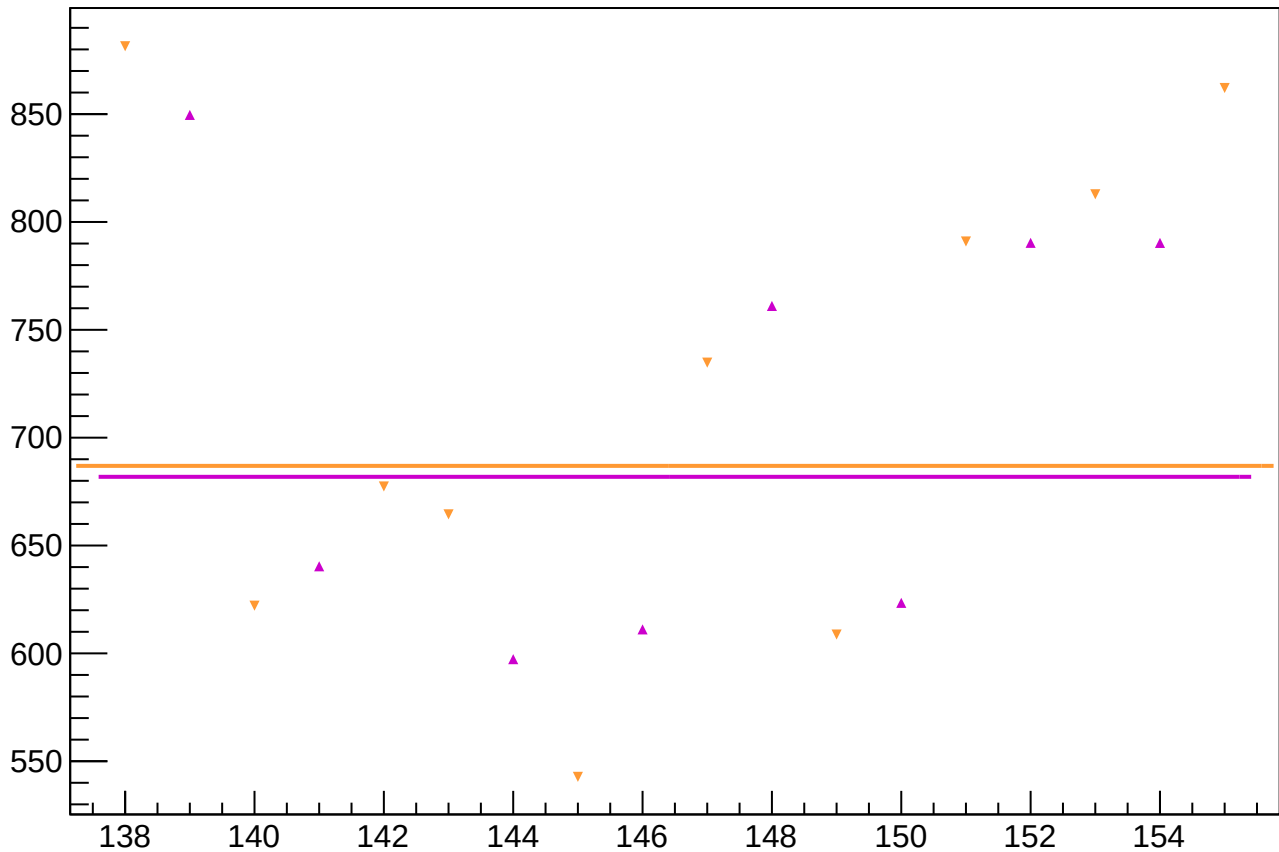
Left In: -399.196+/-268.881 χ^2/NDF : 6.0/7

1244.829+/-257.068 χ^2/NDF : 15.4/9

459.723+/-185.810 χ^2/NDF : 41.0/17

-399.196+/-268.881 χ^2/NDF : 6.0/7

asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 686.926+/-0.182 χ^2/NDF : 361069.7/9

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

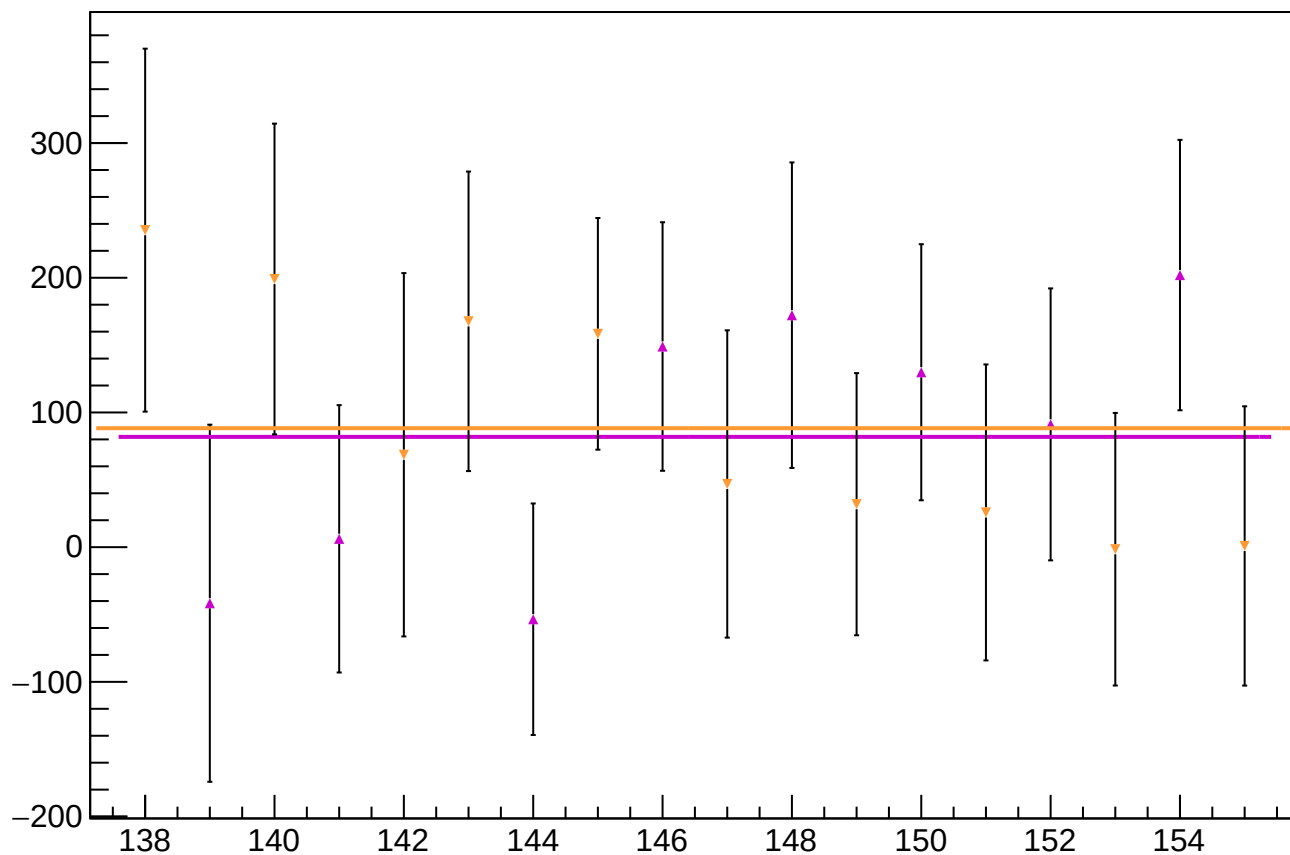
Left In: 681.852+/-0.190 χ^2/NDF : 213691.1/7

686.926+/-0.182 χ^2/NDF : 361069.7/9

684.502+/-0.131 χ^2/NDF : 575132.9/17

681.852+/-0.190 χ^2/NDF : 213691.1/7

reg_asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 88.321+/-34.152 χ^2/NDF : 5.6/9

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

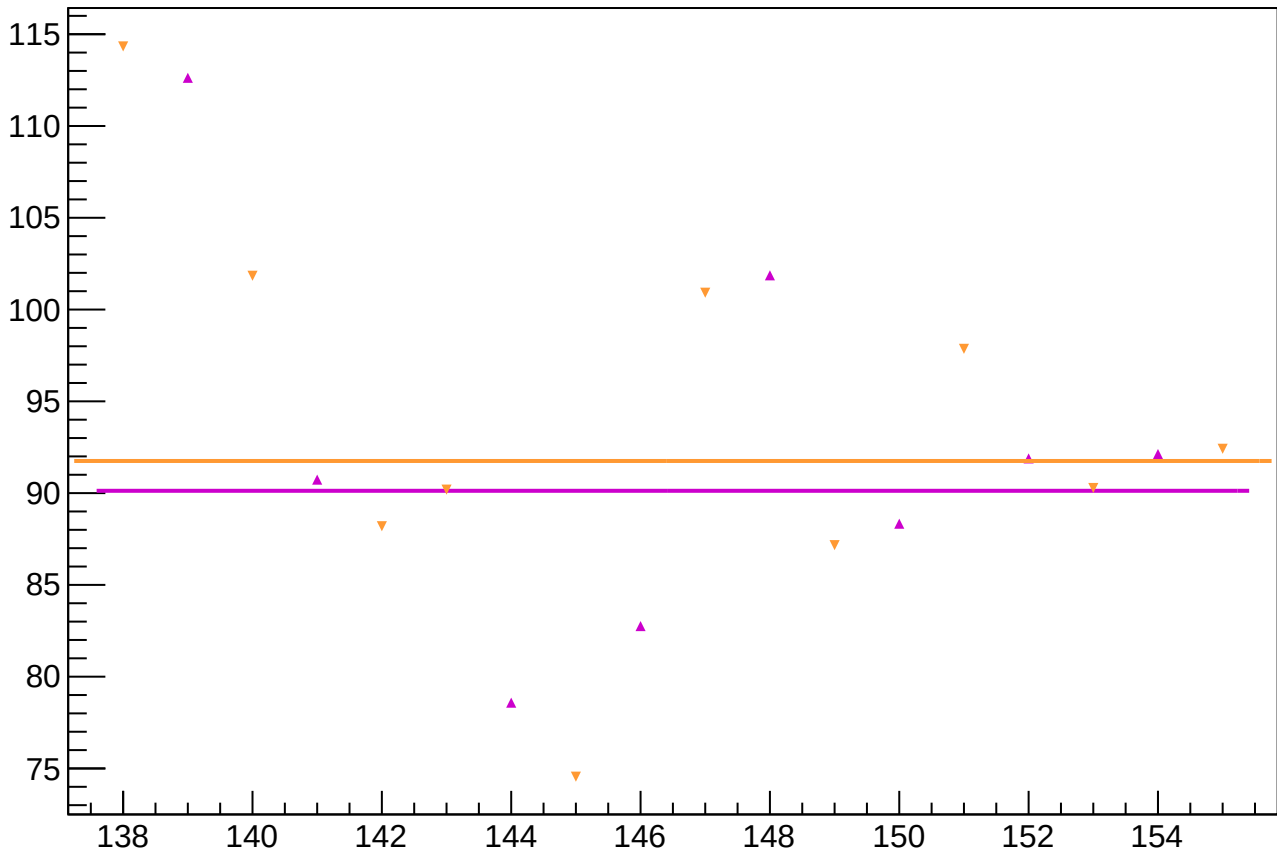
Left In: 81.883+/-35.418 χ^2/NDF : 6.8/7

88.321+/-34.152 χ^2/NDF : 5.6/9

85.219+/-24.585 χ^2/NDF : 12.4/17

81.883+/-35.418 χ^2/NDF : 6.8/7

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 91.751+/-0.024 χ^2/NDF :177325.7/9

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

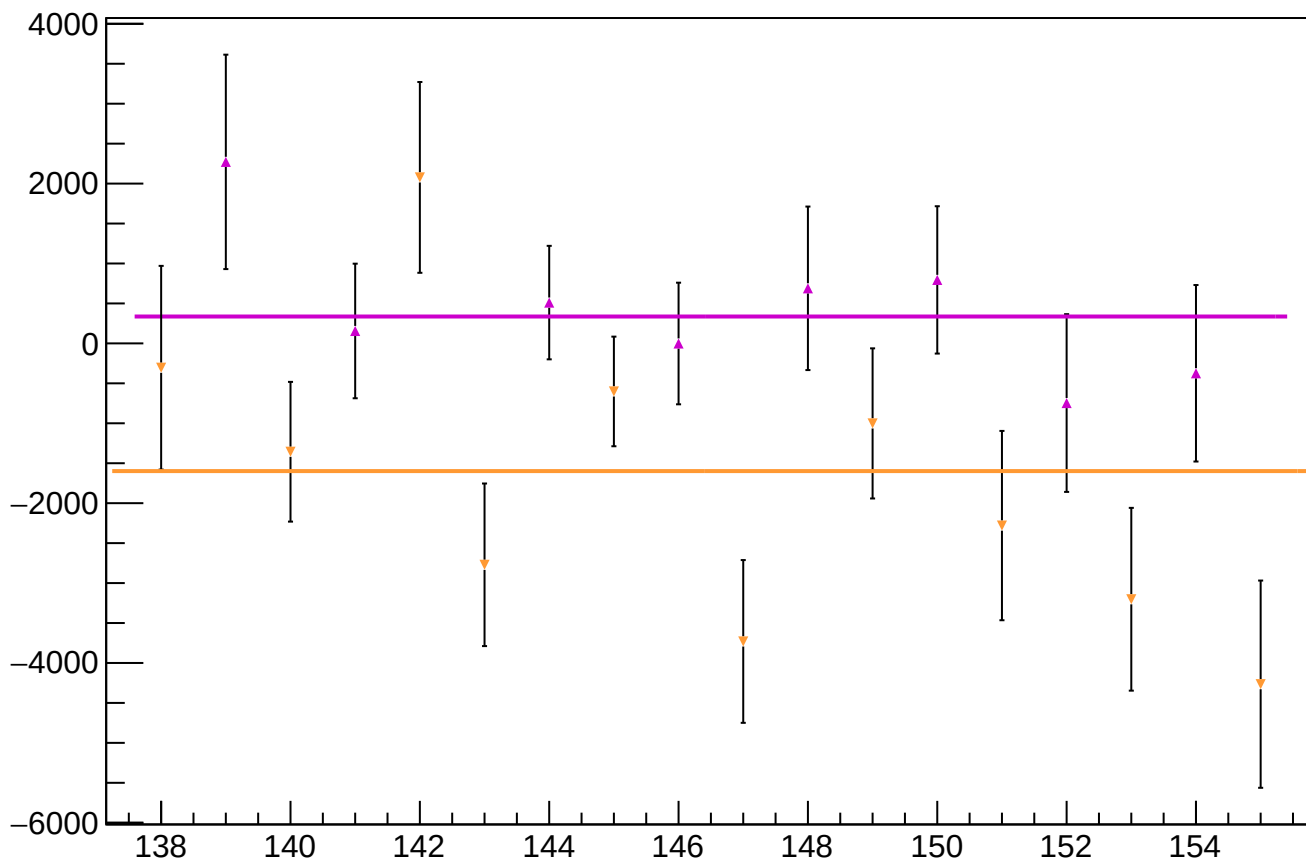
Left In: 90.126+/-0.025 χ^2/NDF :130082.4/7

91.751+/-0.024 χ^2/NDF : 177325.7/9

90.968+/-0.017 χ^2/NDF : 309589.0/17

90.126+/-0.025 χ^2/NDF : 130082.4/7

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1598.408+/-318.094 χ^2/NDF : 25.3/9

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

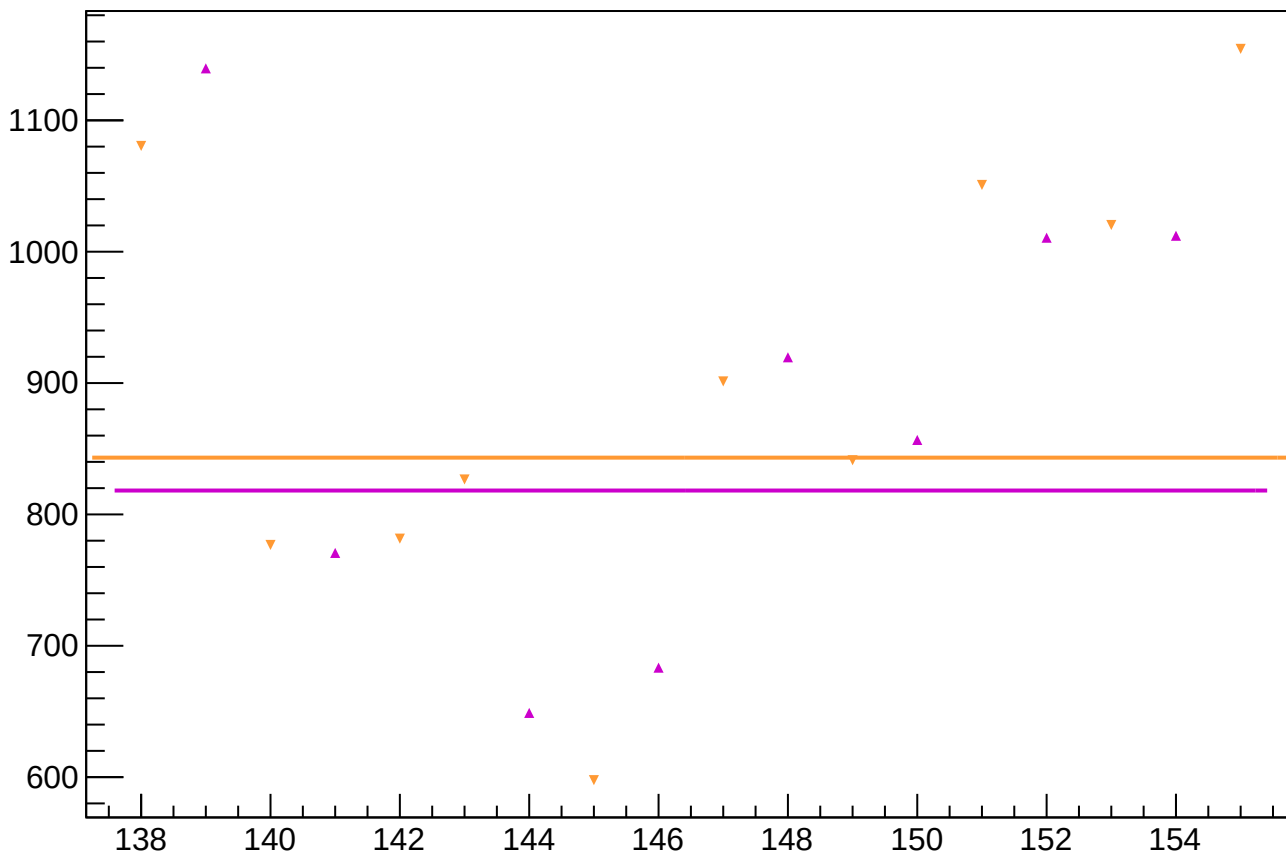
Left In: 336.370+/-325.598 χ^2/NDF : 4.1/7

-1598.408+/-318.094 χ^2/NDF : 25.3/9

-653.570+/-227.533 χ^2/NDF : 47.5/17

336.370+/-325.598 χ^2/NDF : 4.1/7

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 843.223+/-0.225 χ^2/NDF : 573895.9/9

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

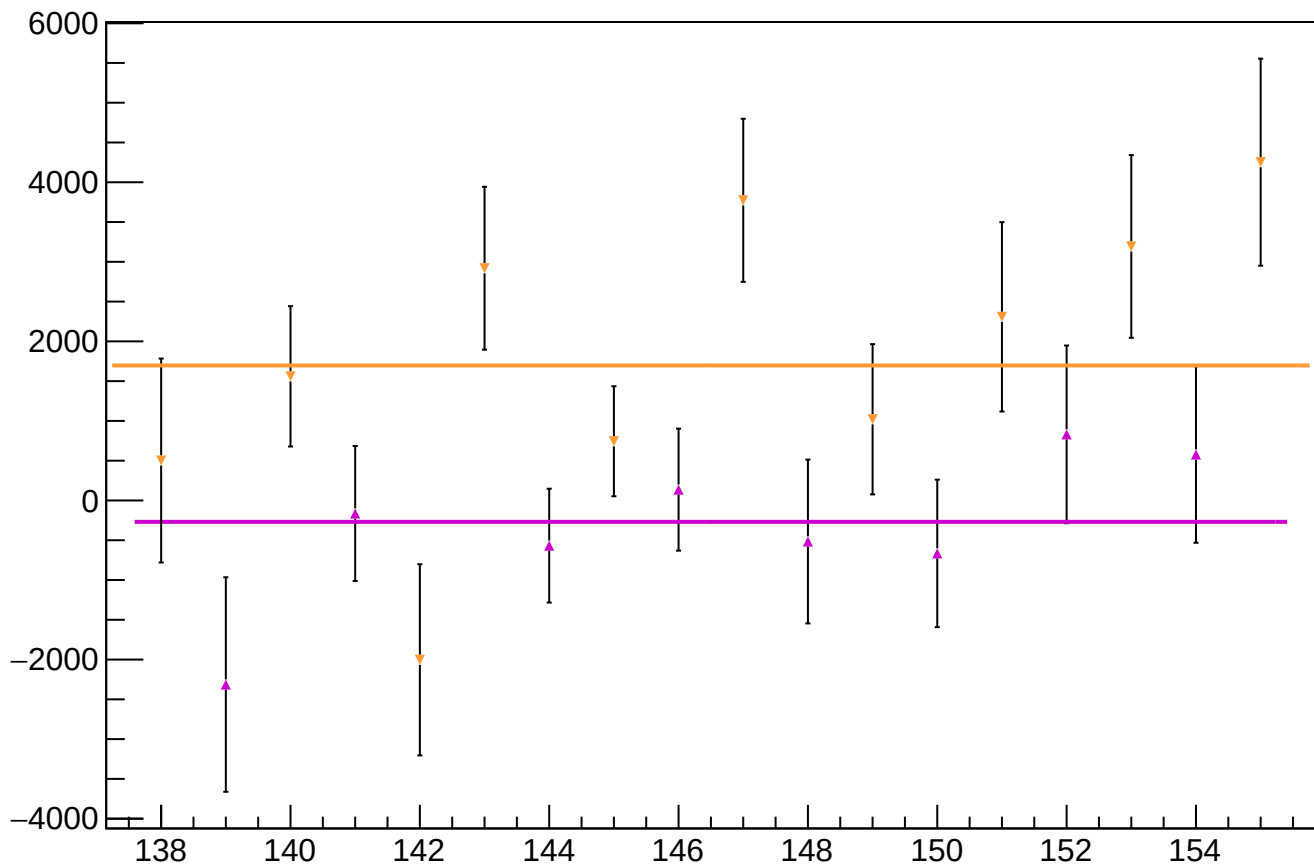
Left In: 818.188+/-0.230 χ^2/NDF : 442187.8/7

843.223+/-0.225 χ^2/NDF : 573895.9/9

830.997+/-0.161 χ^2/NDF : 1022133.4/17

818.188+/-0.230 χ^2/NDF : 442187.8/7

asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 1697.284+/-320.120 χ^2/NDF : 24.1/9

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

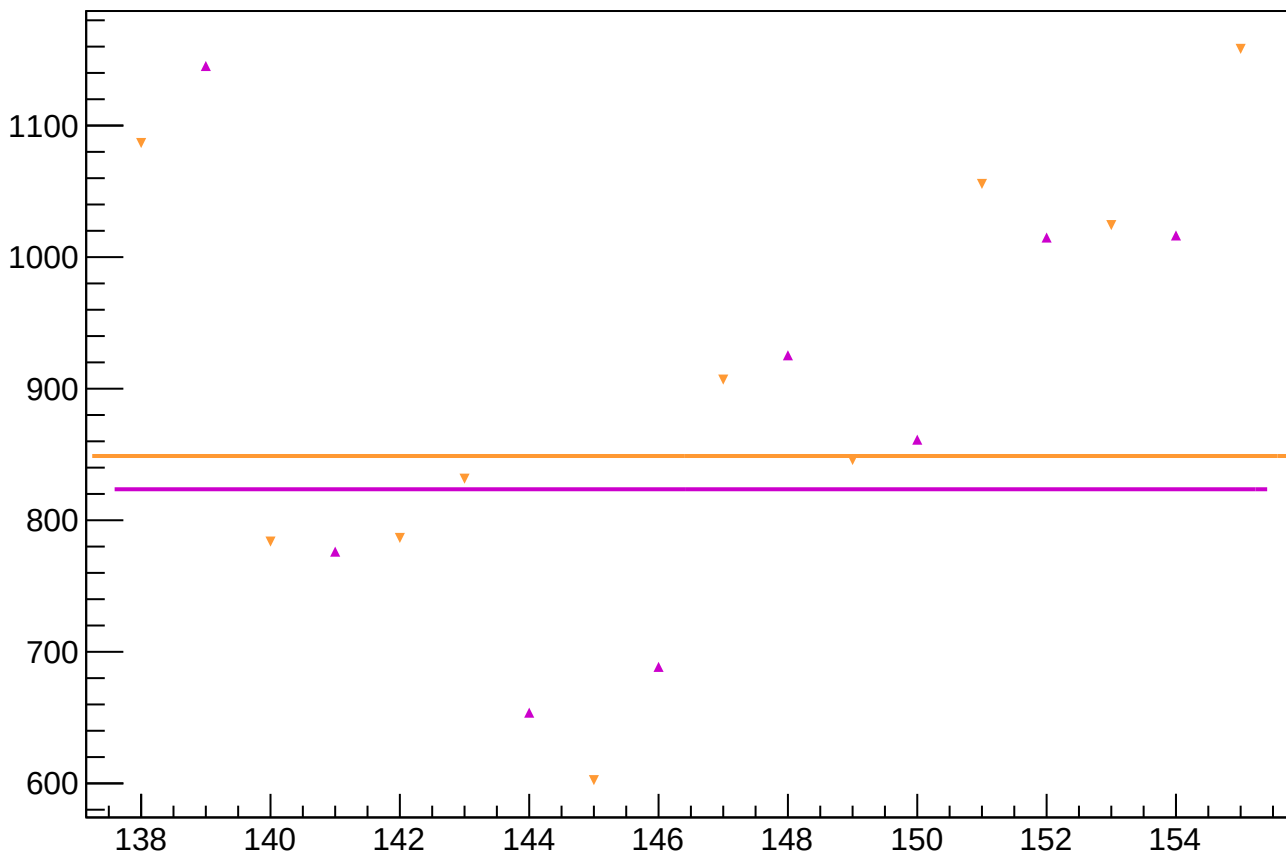
Left In: -268.787+/-327.655 χ^2/NDF : 4.6/7

1697.284+/-320.120 χ^2/NDF : 24.1/9

737.116+/-228.977 χ^2/NDF : 47.1/17

-268.787+/-327.655 χ^2/NDF : 4.6/7

asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 848.836+/-0.226 χ^2/NDF : 566197.0/9

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

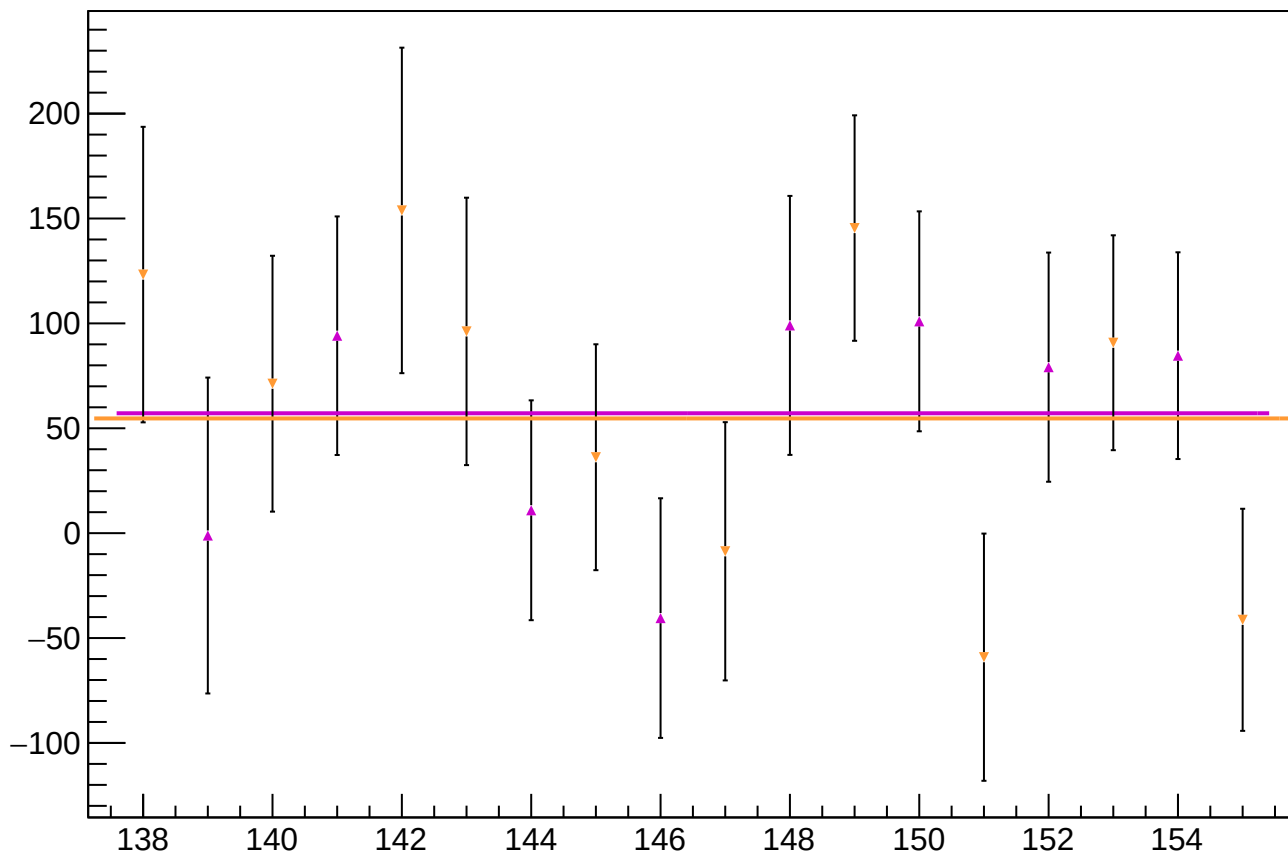
Left In: 823.559+/-0.232 χ^2/NDF : 436725.7/7

848.836+/-0.226 χ^2/NDF : 566197.0/9

836.492+/-0.162 χ^2/NDF : 1009012.4/17

823.559+/-0.232 χ^2/NDF : 436725.7/7

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 54.687+/-18.686 χ^2/NDF : 14.6/9

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

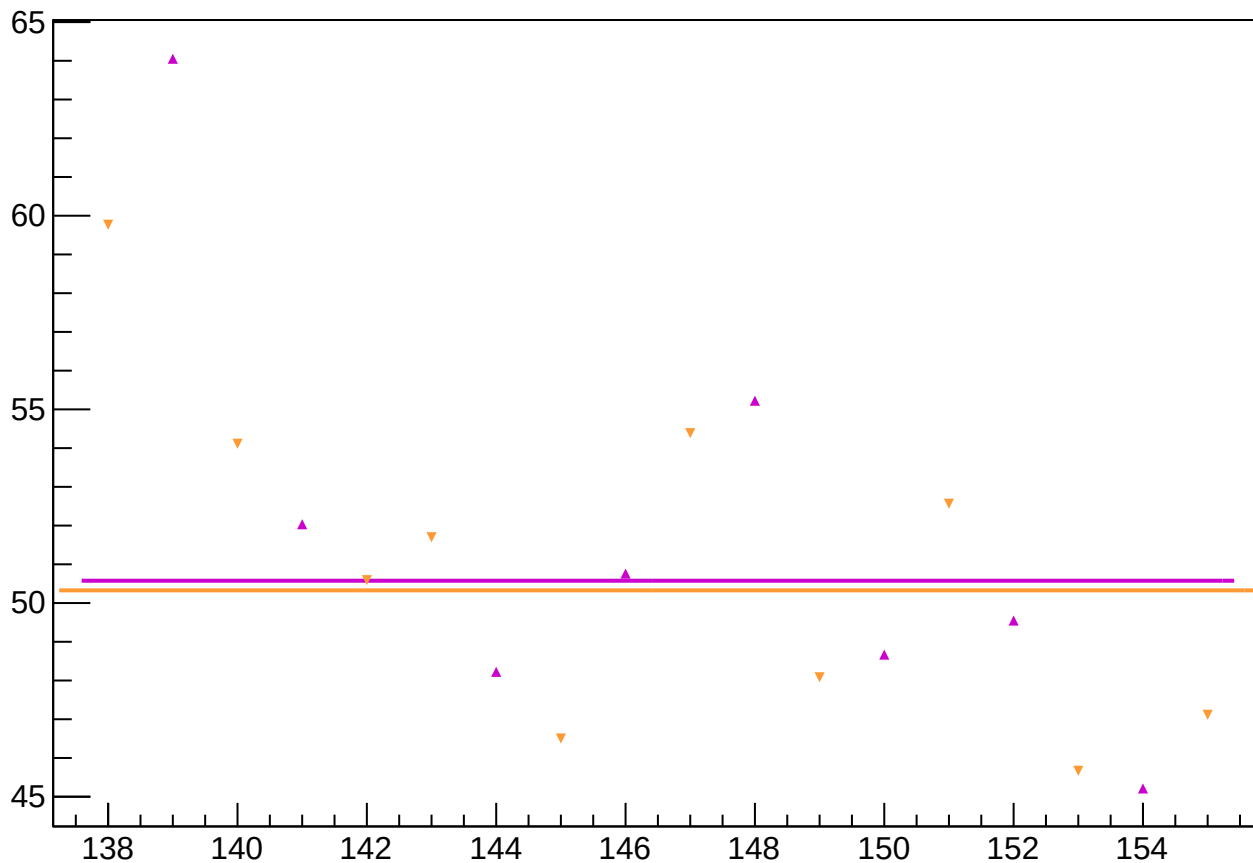
Left In: 57.154+/-19.882 χ^2/NDF : 6.4/7

54.687+/-18.686 χ^2/NDF : 14.6/9

55.844+/-13.616 χ^2/NDF : 21.0/17

57.154+/-19.882 χ^2/NDF : 6.4/7

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 50.327+/-0.013 χ^2/NDF : 93638.7/9

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

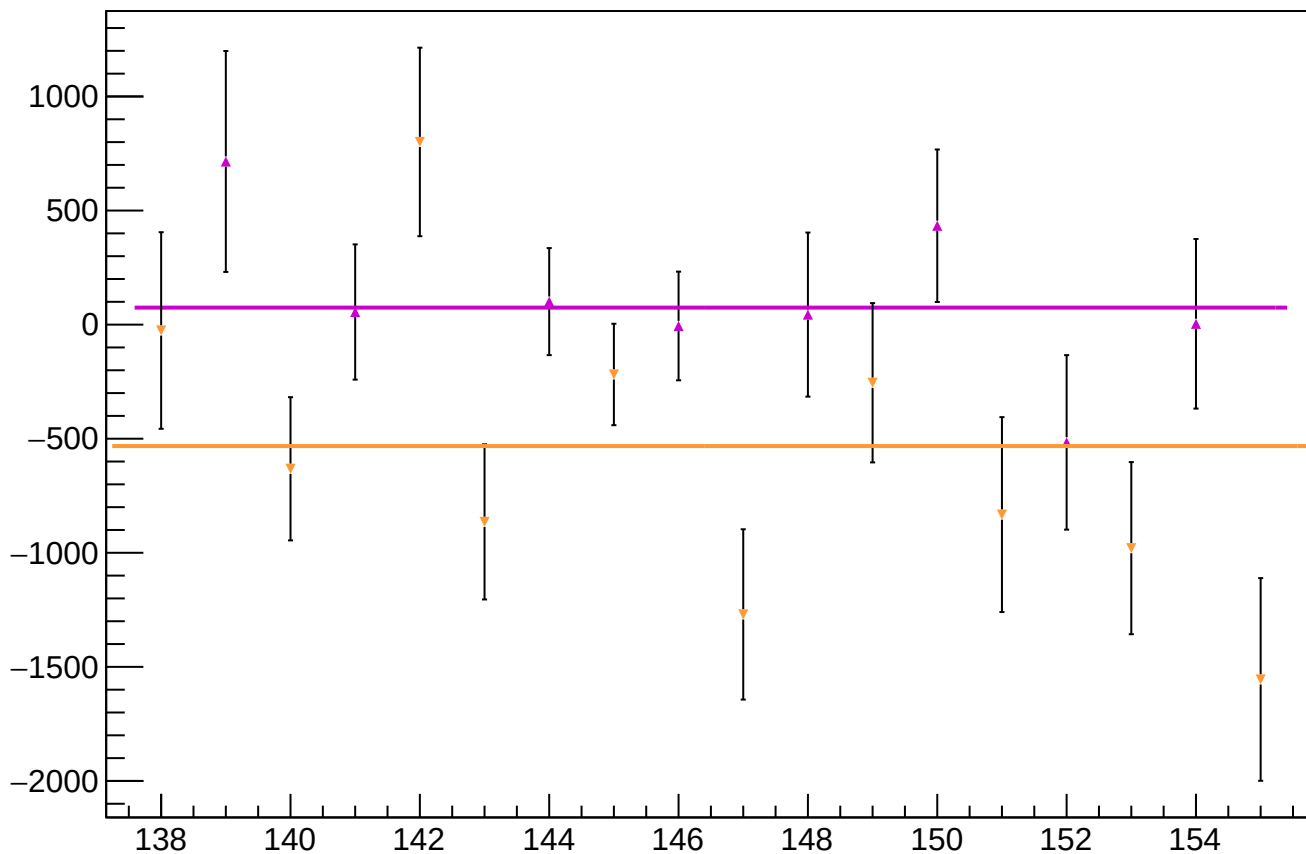
Left In: 50.576+/-0.014 χ^2/NDF : 107826.6/7

50.327+/-0.013 χ^2/NDF : 93638.7/9

50.444+/-0.010 χ^2/NDF : 201632.5/17

50.576+/-0.014 χ^2/NDF : 107826.6/7

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -532.177+/-109.601 χ^2/NDF : 26.6/9

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

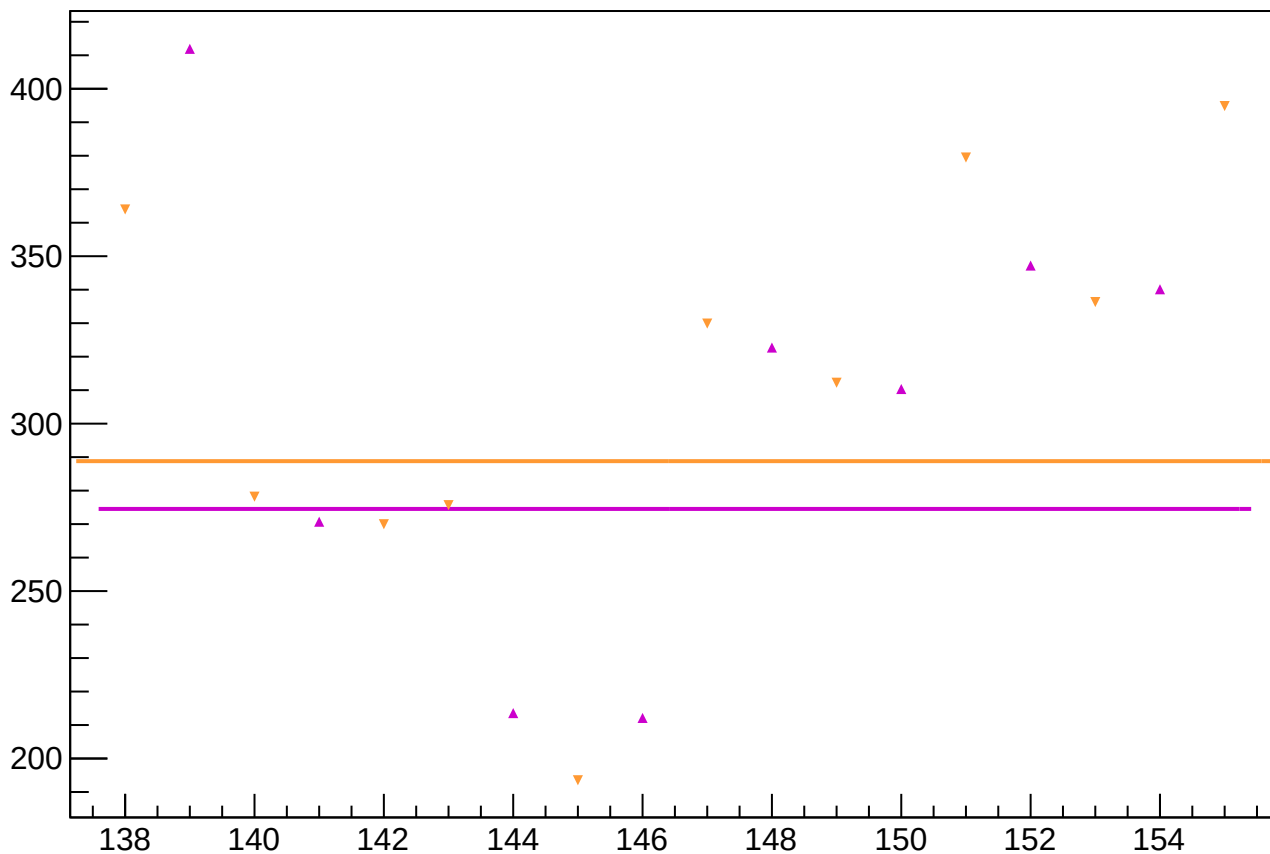
Left In: 74.531+/-110.288 χ^2/NDF : 5.5/7

-532.177+/-109.601 χ^2/NDF : 26.6/9

-230.720+/-77.741 χ^2/NDF : 47.3/17

74.531+/-110.288 χ^2/NDF : 5.5/7

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 288.801+/-0.077 χ^2/NDF : 706885.0/9

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

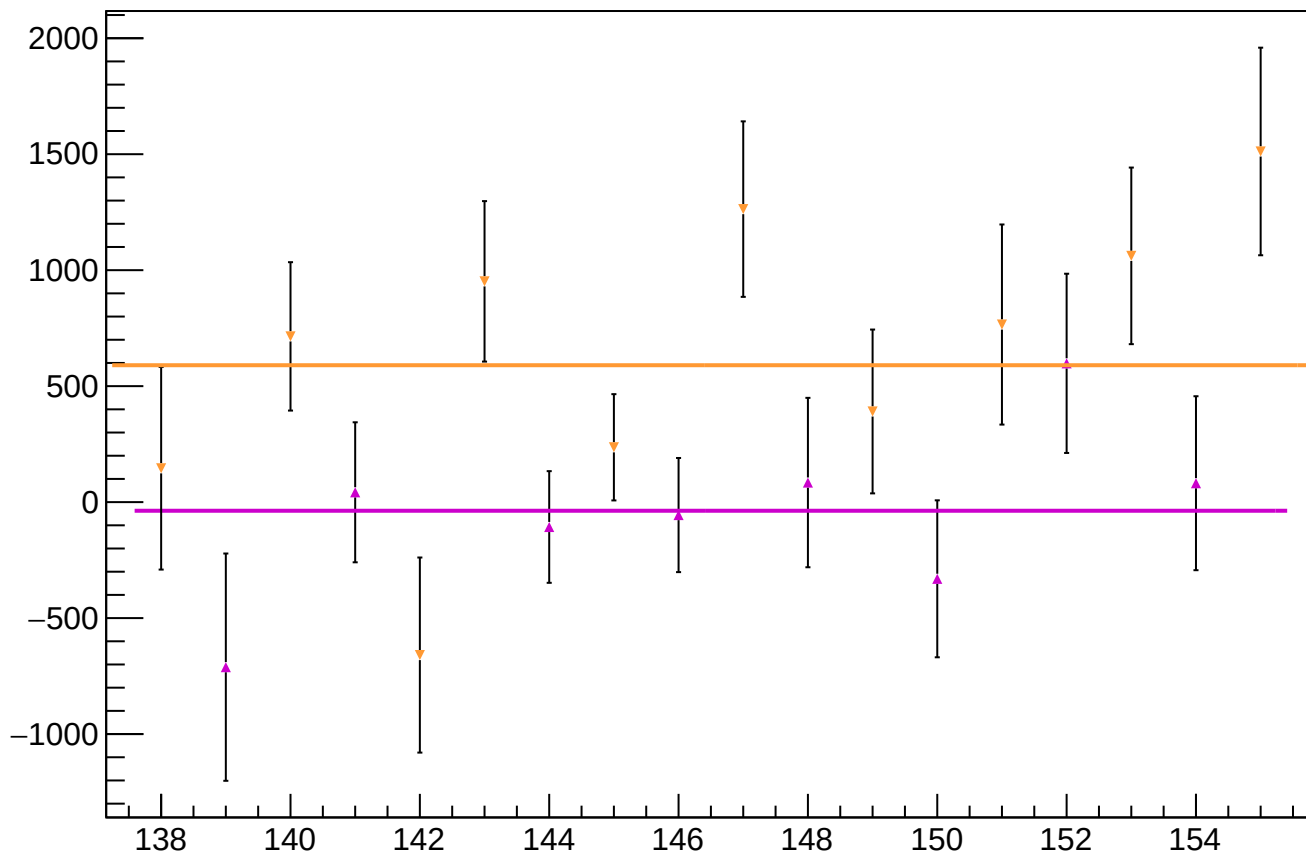
Left In: 274.533+/-0.078 χ^2/NDF : 627278.3/7

288.801+/-0.077 χ^2/NDF : 706885.0/9

281.712+/-0.055 χ^2/NDF : 1351004.9/17

274.533+/-0.078 χ^2/NDF : 627278.3/7

asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 590.225+/-111.556 χ^2/NDF : 22.9/9

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

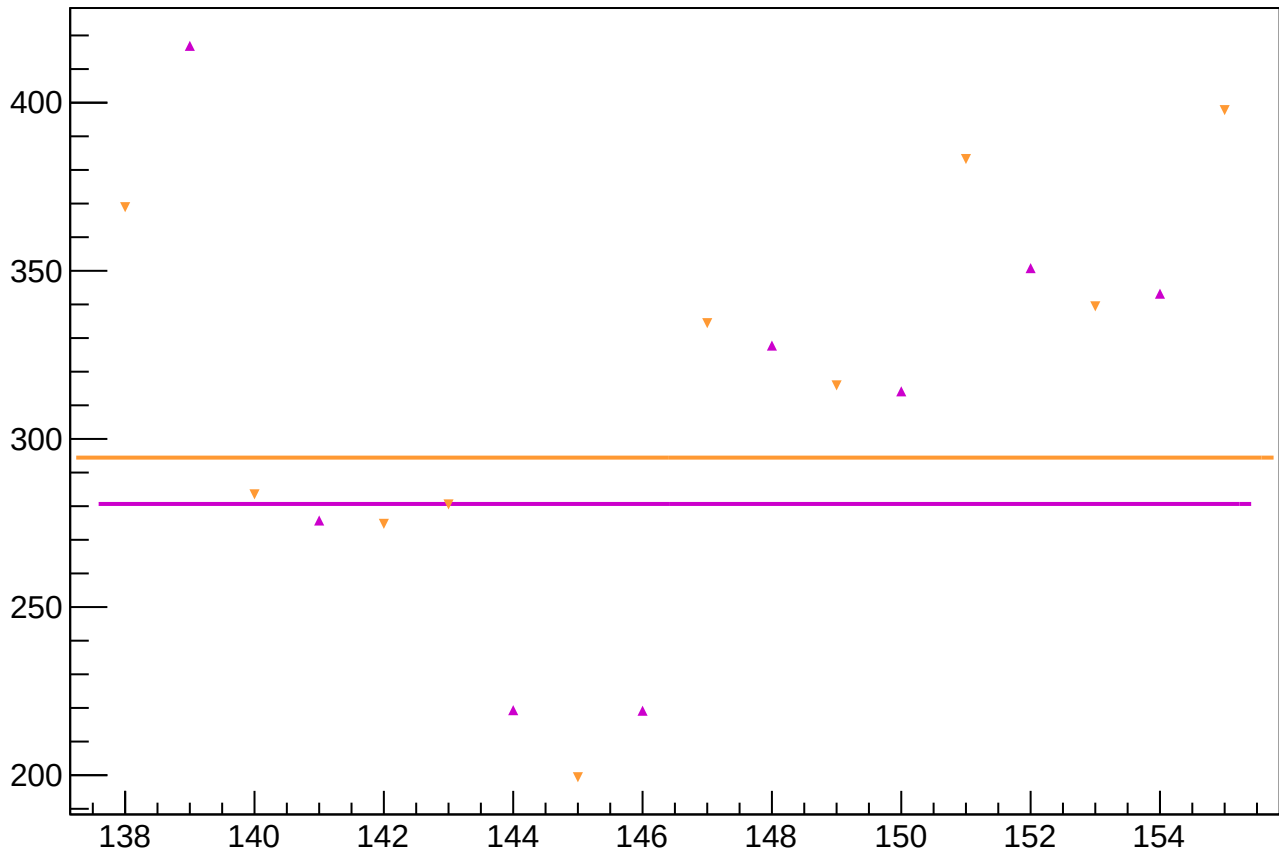
Left In: -37.207+/-112.538 χ^2/NDF : 5.7/7

590.225+/-111.556 χ^2/NDF : 22.9/9

279.259+/-79.227 χ^2/NDF : 44.3/17

-37.207+/-112.538 χ^2/NDF : 5.7/7

asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 294.446+/-0.079 χ^2/NDF : 661583.4/9

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

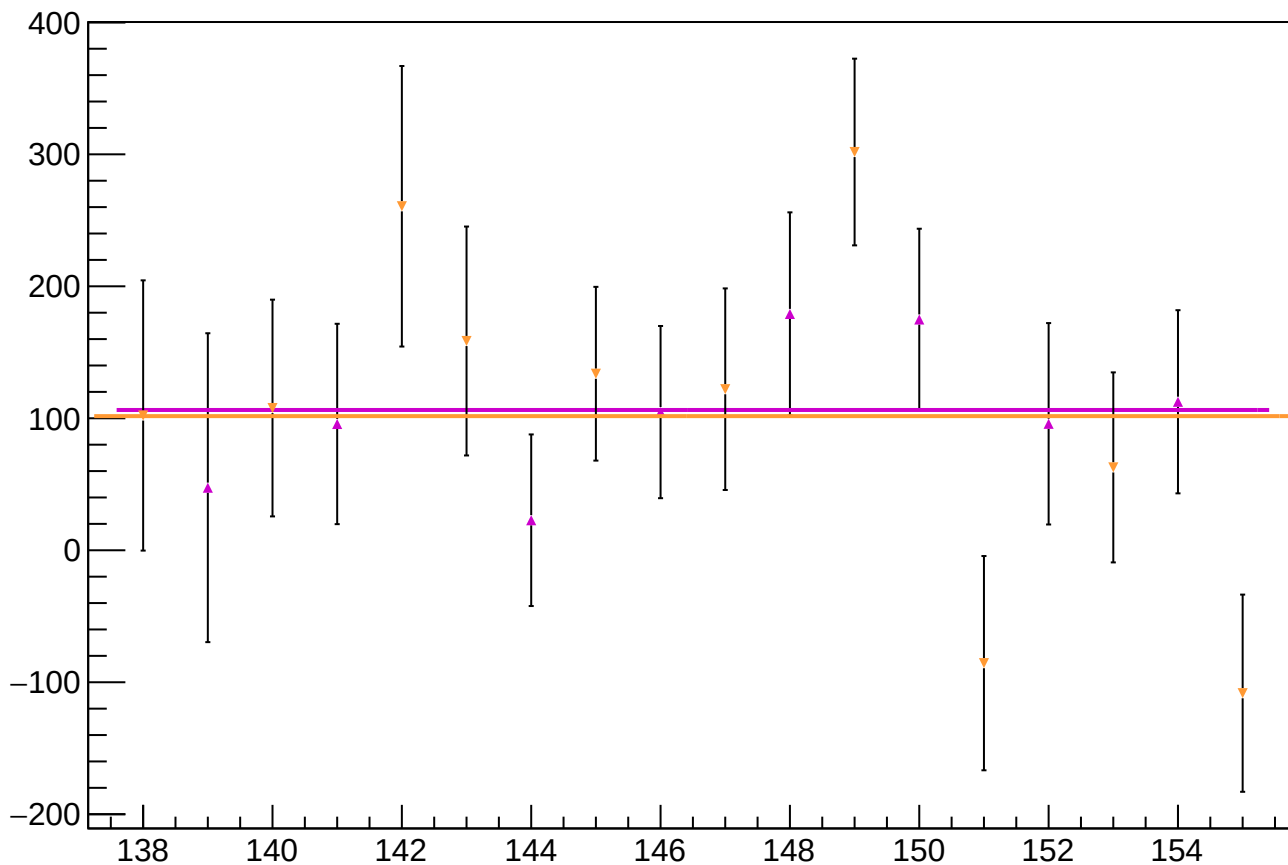
Left In: 280.664+/-0.080 χ^2/NDF : 584304.8/7

294.446+/-0.079 χ^2/NDF : 661583.4/9

287.615+/-0.056 χ^2/NDF : 1261017.2/17

280.664+/-0.080 χ^2/NDF : 584304.8/7

reg_asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 101.635+/-25.068 χ^2/NDF : 24.5/9

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

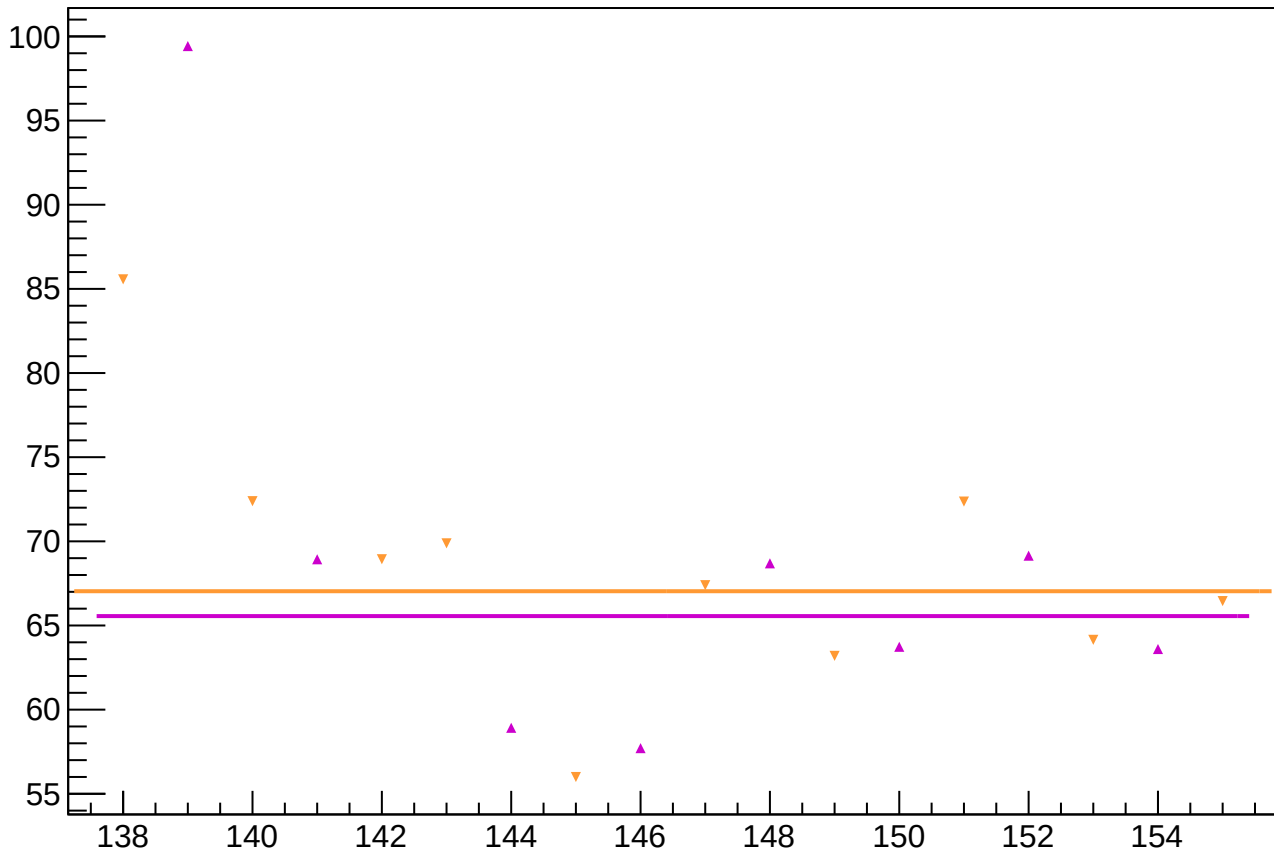
Left In: 106.296+/-26.011 χ^2/NDF : 3.8/7

101.635+/-25.068 χ^2/NDF : 24.5/9

103.879+/-18.050 χ^2/NDF : 28.4/17

106.296+/-26.011 χ^2/NDF : 3.8/7

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 67.036+/-0.018 χ^2/NDF :150954.4/9

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

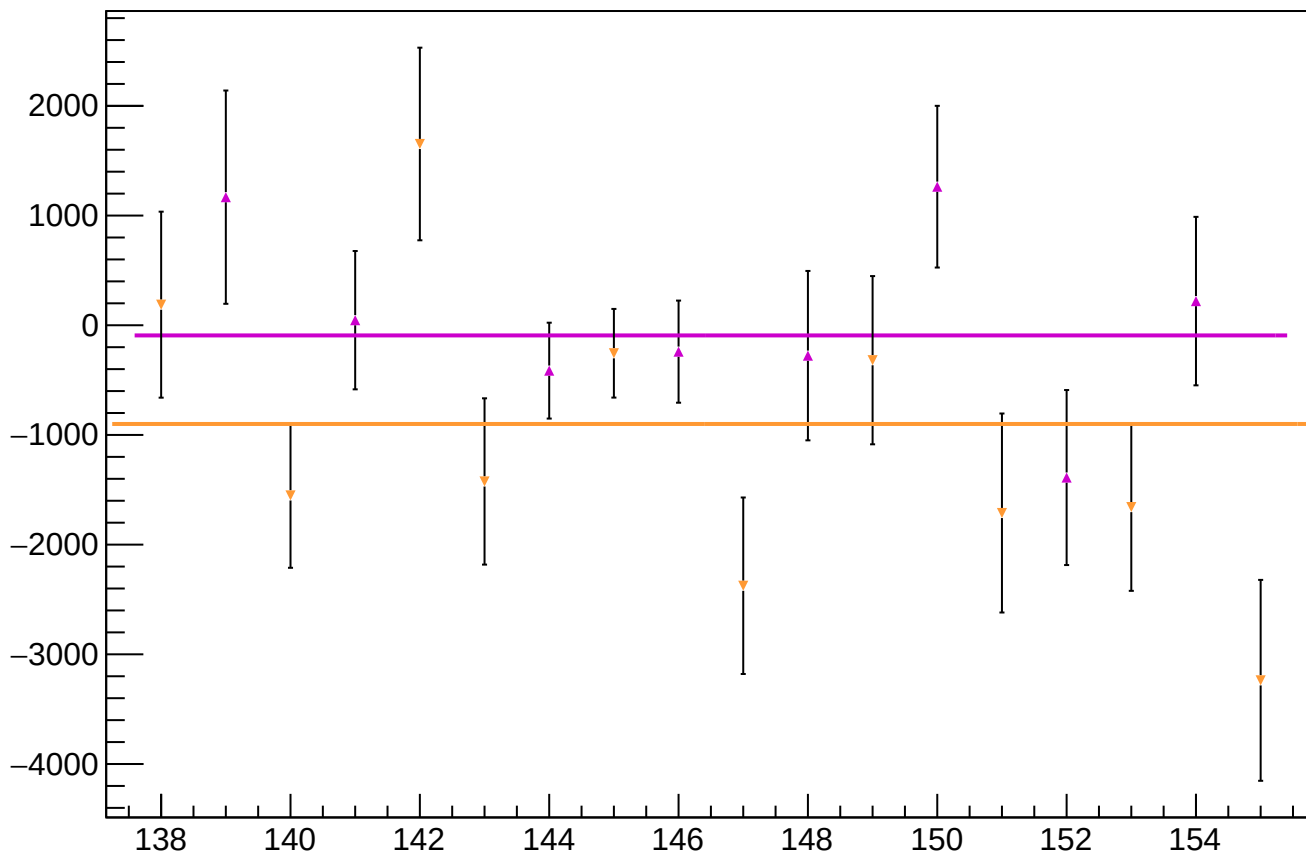
Left In: 65.558+/-0.018 χ^2/NDF :232006.5/7

67.036+/-0.018 χ^2/NDF : 150954.4/9

66.324+/-0.013 χ^2/NDF : 386307.2/17

65.558+/-0.018 χ^2/NDF : 232006.5/7

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -900.023+/-222.420 χ^2/NDF : 26.3/9

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

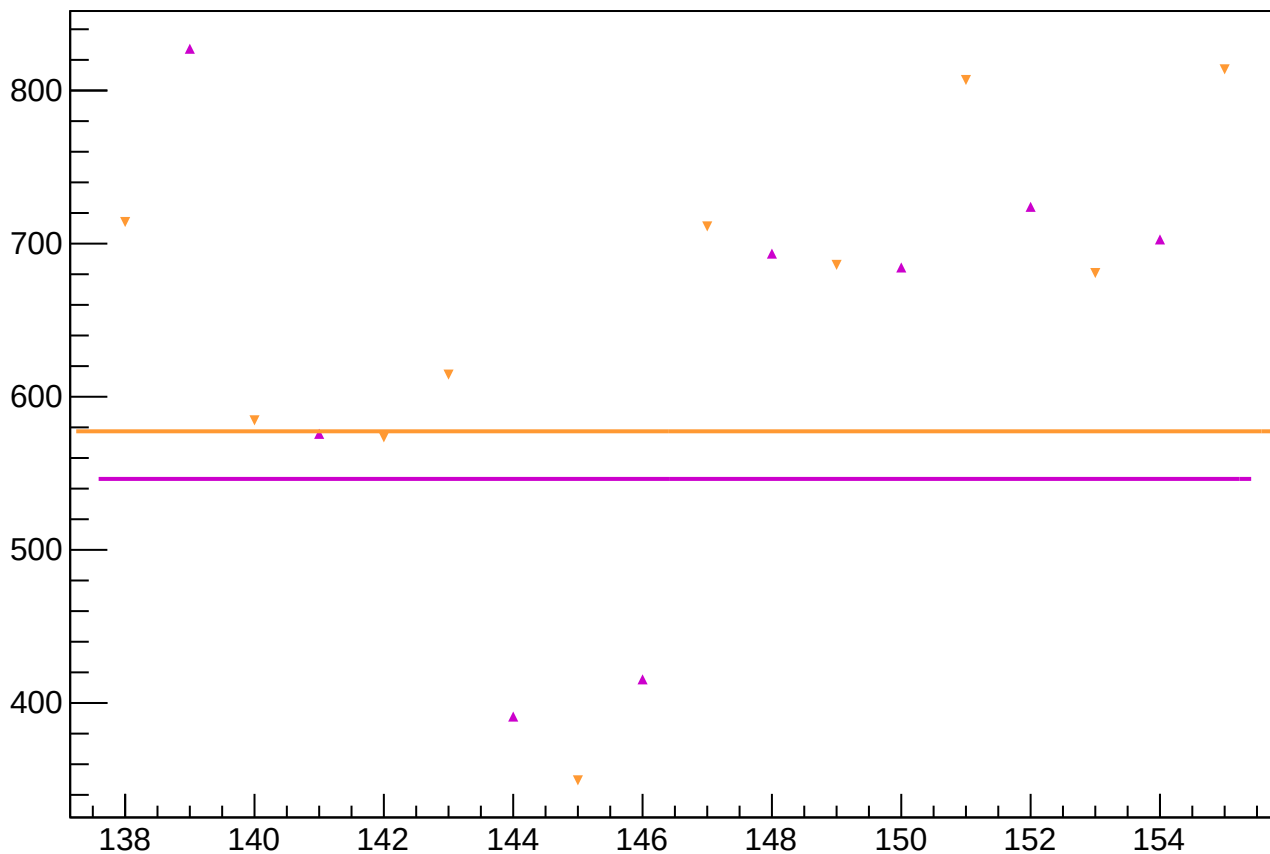
Left In: -92.688+/-222.457 χ^2/NDF : 8.6/7

-900.023+/-222.420 χ^2/NDF : 26.3/9

-496.424+/-157.288 χ^2/NDF : 41.5/17

-92.688+/-222.457 χ^2/NDF : 8.6/7

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 577.429+/-0.157 χ^2/NDF :1086514.0/9

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

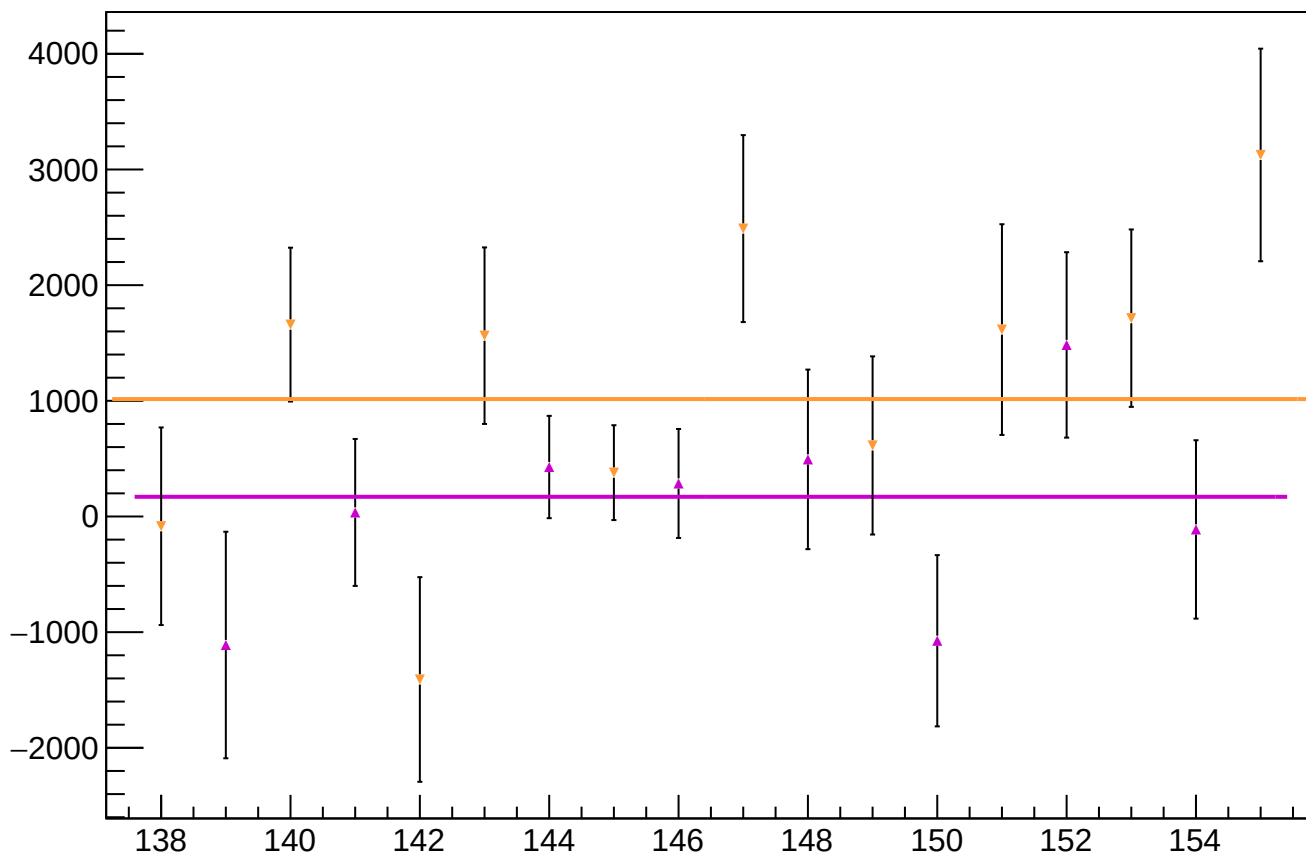
Left In: 546.340+/-0.157 χ^2/NDF :906700.9/7

577.429+/-0.157 χ^2/NDF : 1086514.0/9

561.887+/-0.111 χ^2/NDF : 2012748.9/17

546.340+/-0.157 χ^2/NDF : 906700.9/7

asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 1015.202+/-224.274 χ^2/NDF : 23.2/9

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

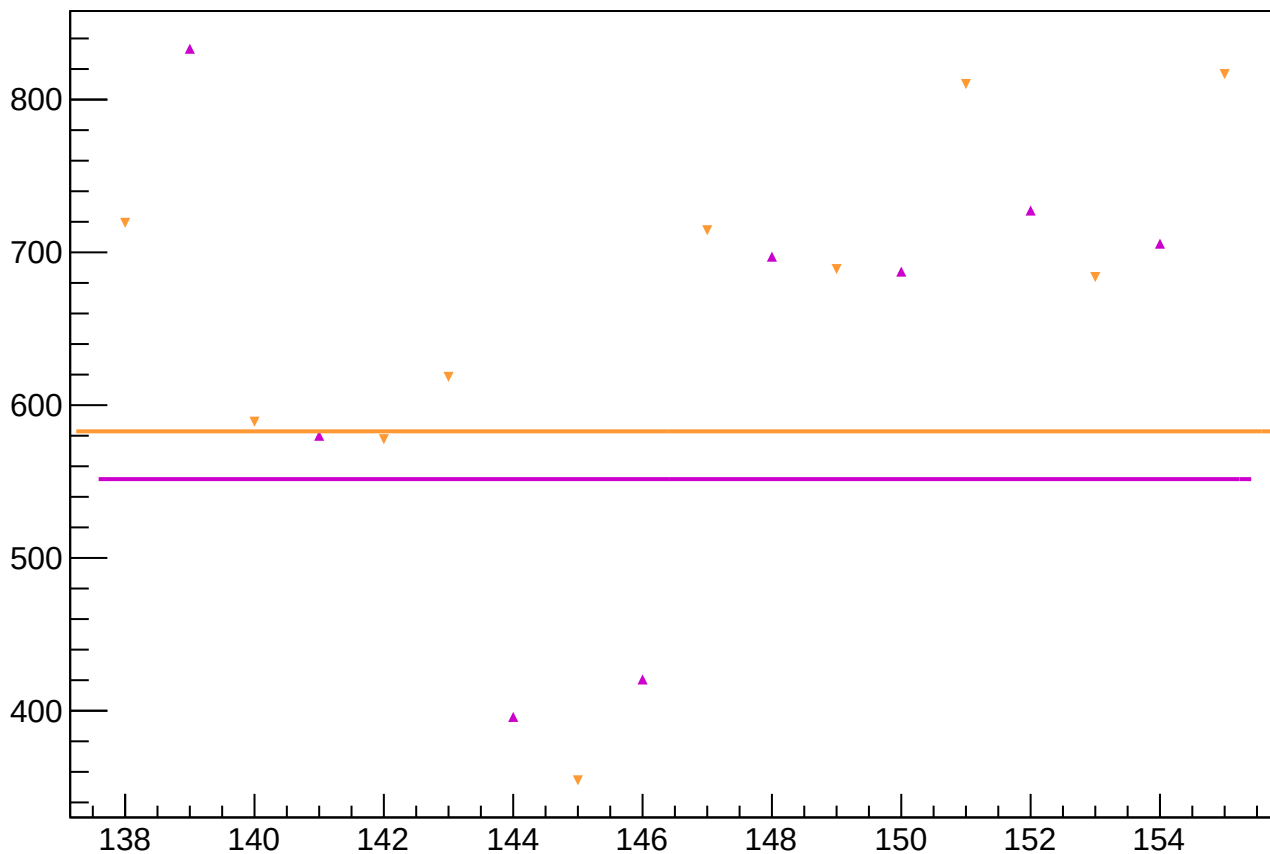
Left In: 170.286+/-224.392 χ^2/NDF : 8.0/7

1015.202+/-224.274 χ^2/NDF : 23.2/9

592.967+/-158.627 χ^2/NDF : 38.2/17

170.286+/-224.392 χ^2/NDF : 8.0/7

asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 582.875+/-0.159 χ^2/NDF : 1056102.2/9

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

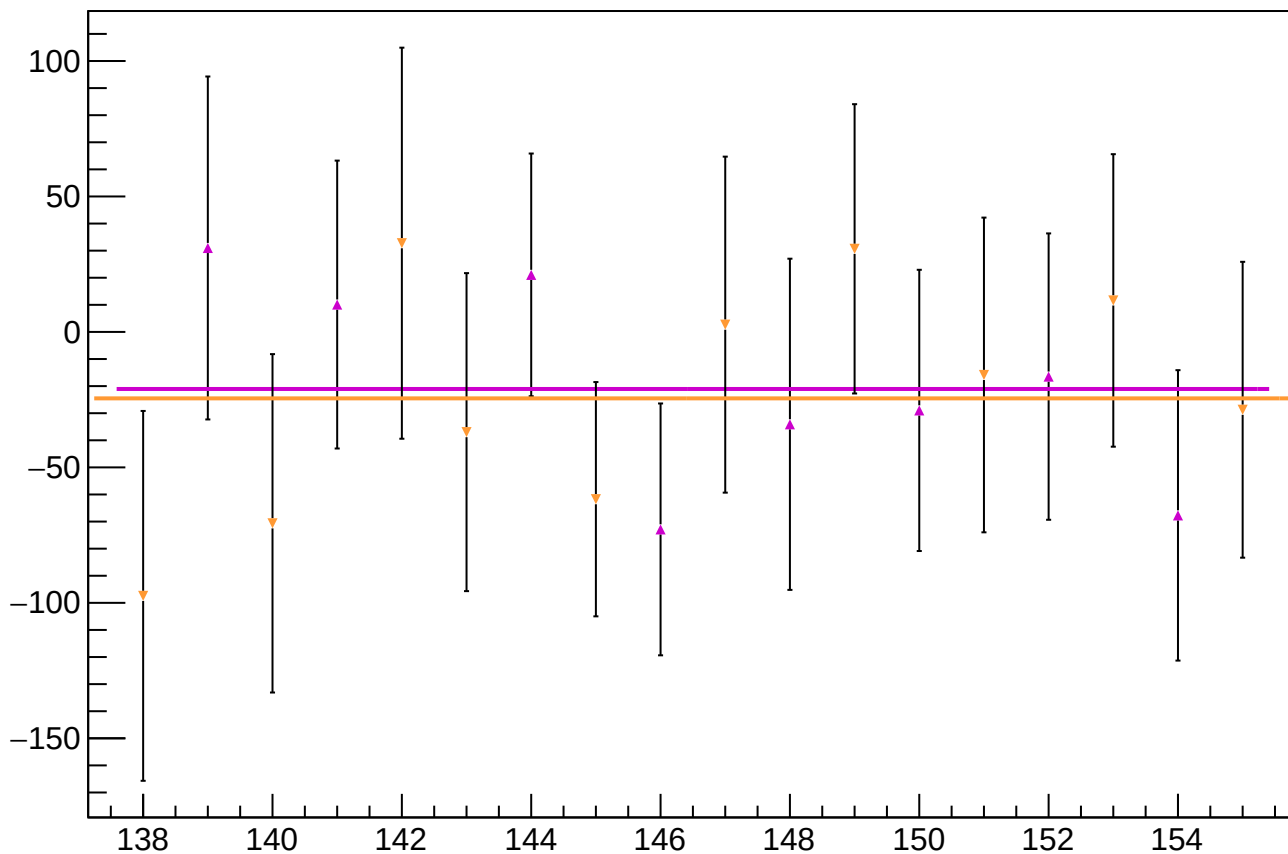
Left In: 551.597+/-0.159 χ^2/NDF : 885707.4/7

582.875+/-0.159 χ^2/NDF : 1056102.2/9

567.244+/-0.112 χ^2/NDF : 1961248.4/17

551.597+/-0.159 χ^2/NDF : 885707.4/7

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: -24.526+/-18.036 χ^2/NDF : 4.8/9

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

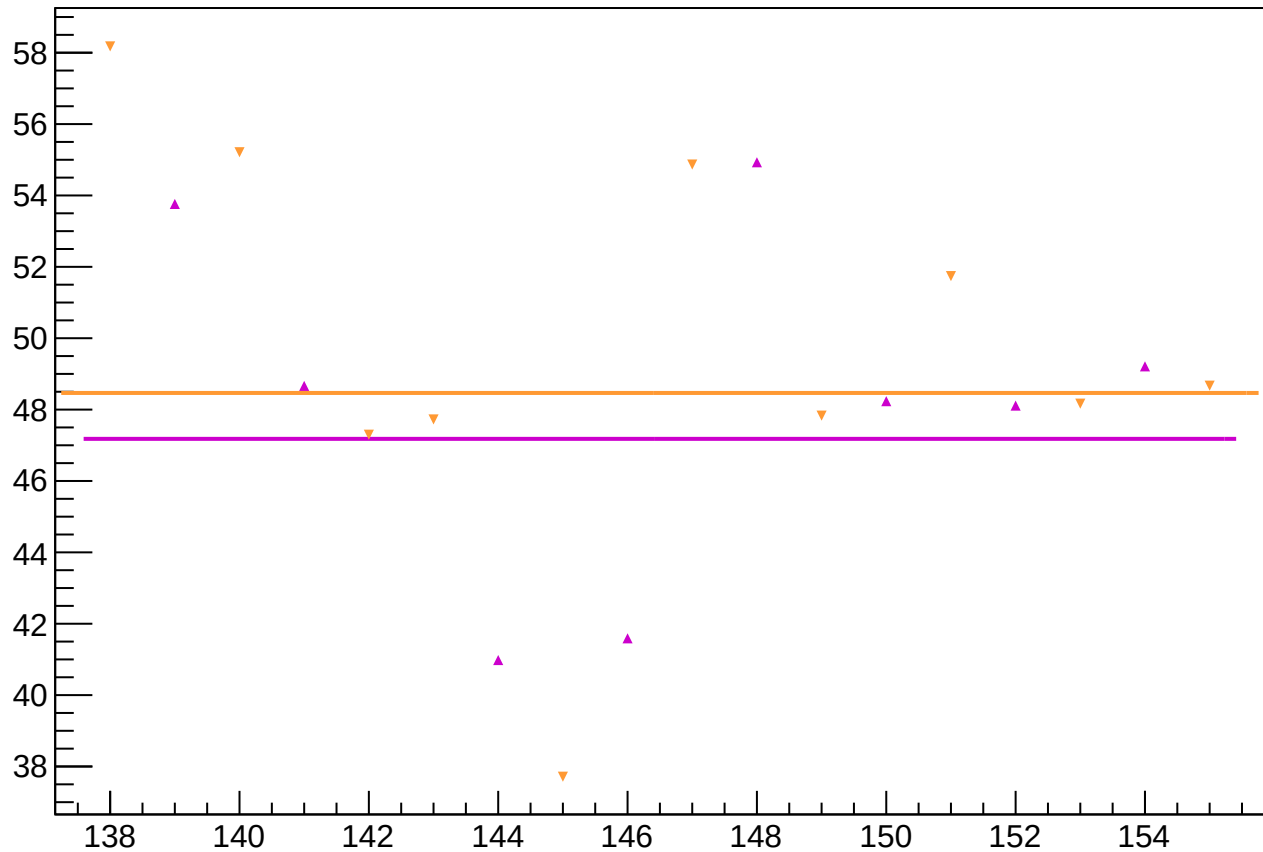
Left In: -21.057+/-18.537 χ^2/NDF : 4.0/7

-24.526+/-18.036 χ^2/NDF : 4.8/9

-22.839+/-12.927 χ^2/NDF : 8.8/17

-21.057+/-18.537 χ^2/NDF : 4.0/7

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: 48.466 $\pm$ 0.013 χ^2/NDF :216360.2/9

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

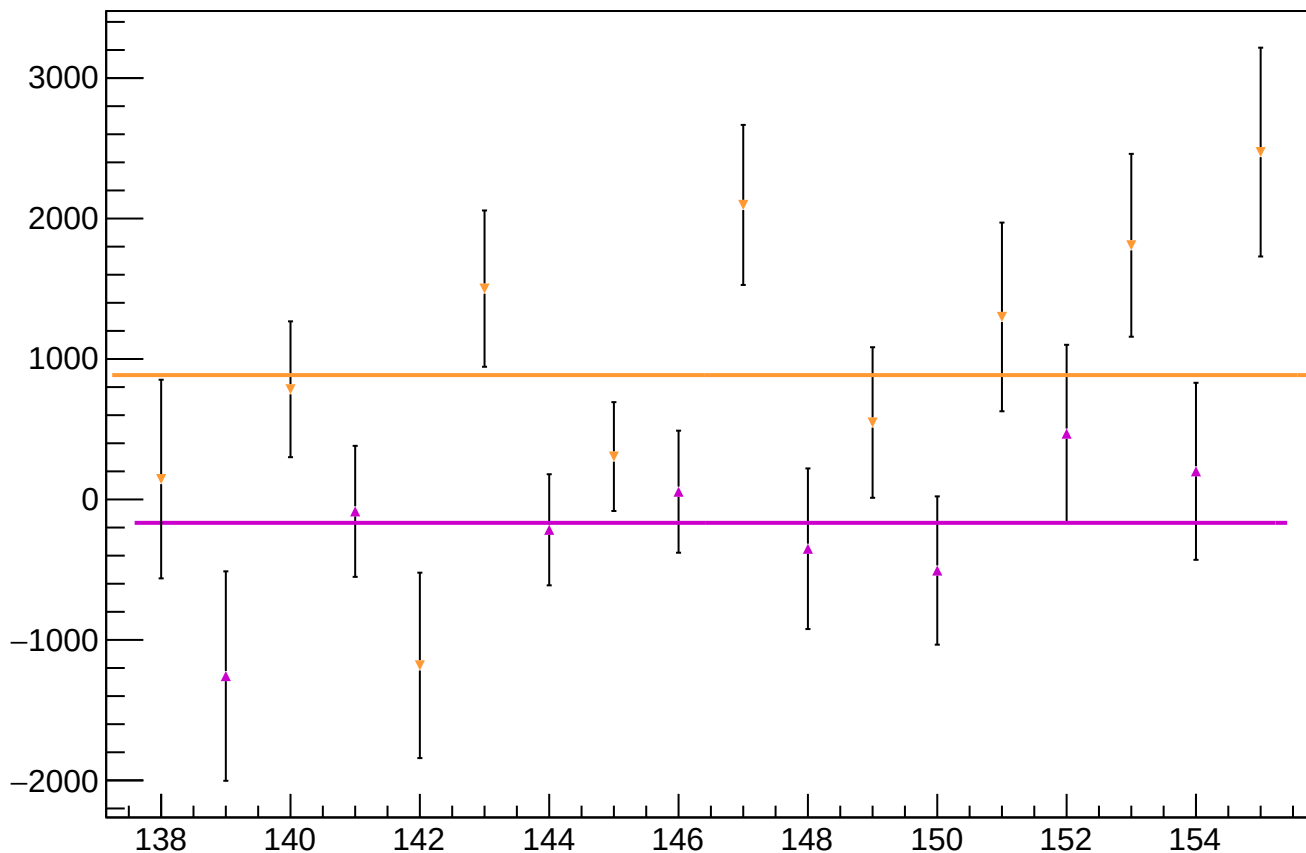
Left In: 47.180 $\pm$ 0.013 χ^2/NDF :126874.9/7

48.466 $\pm$ 0.013 χ^2/NDF : 216360.2/9

47.841 $\pm$ 0.009 χ^2/NDF : 348181.6/17

47.180 $\pm$ 0.013 χ^2/NDF : 126874.9/7

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: 885.335+/-178.433 χ^2/NDF : 26.3/9

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

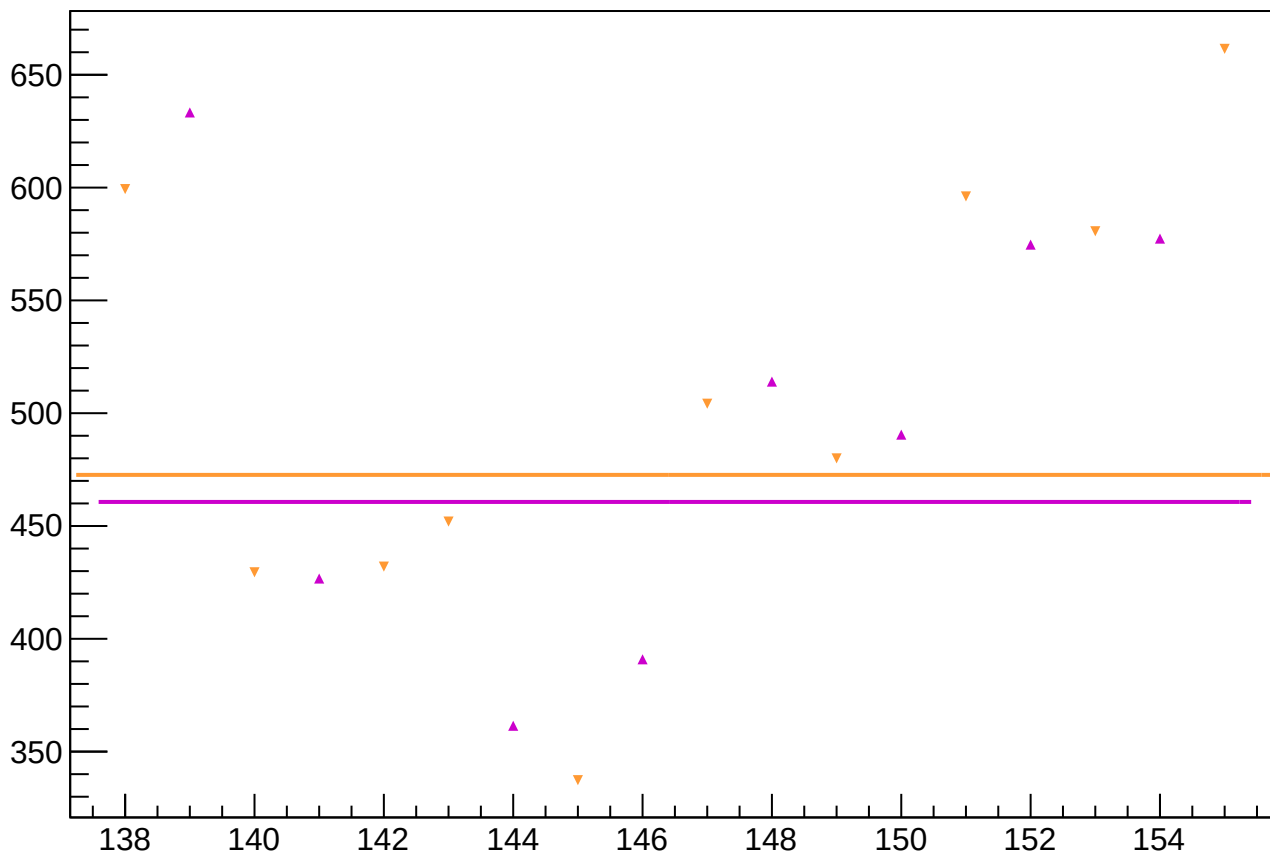
Left In: -166.475+/-183.341 χ^2/NDF : 4.3/7

885.335+/-178.433 χ^2/NDF : 26.3/9

373.697+/-127.871 χ^2/NDF : 47.5/17

-166.475+/-183.341 χ^2/NDF : 4.3/7

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: 472.657+/-0.126 χ^2/NDF : 592611.0/9

472.657+/-0.126 χ^2/NDF : 592611.0/9

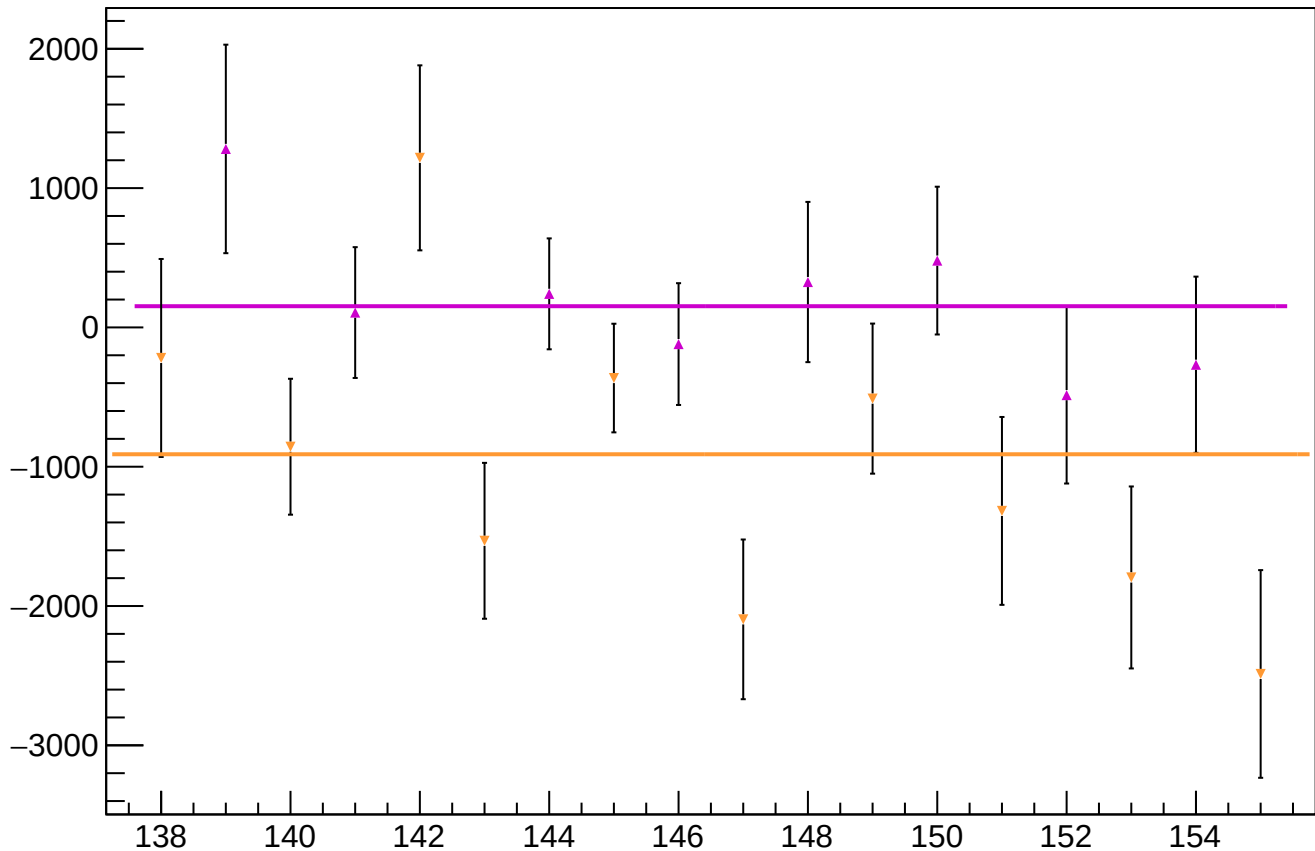
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

466.824+/-0.090 χ^2/NDF : 1049667.4/17

Left In: 460.667+/-0.130 χ^2/NDF : 452663.3/7

460.667+/-0.130 χ^2/NDF : 452663.3/7

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -910.588+/-179.447 χ^2/NDF : 25.9/9

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

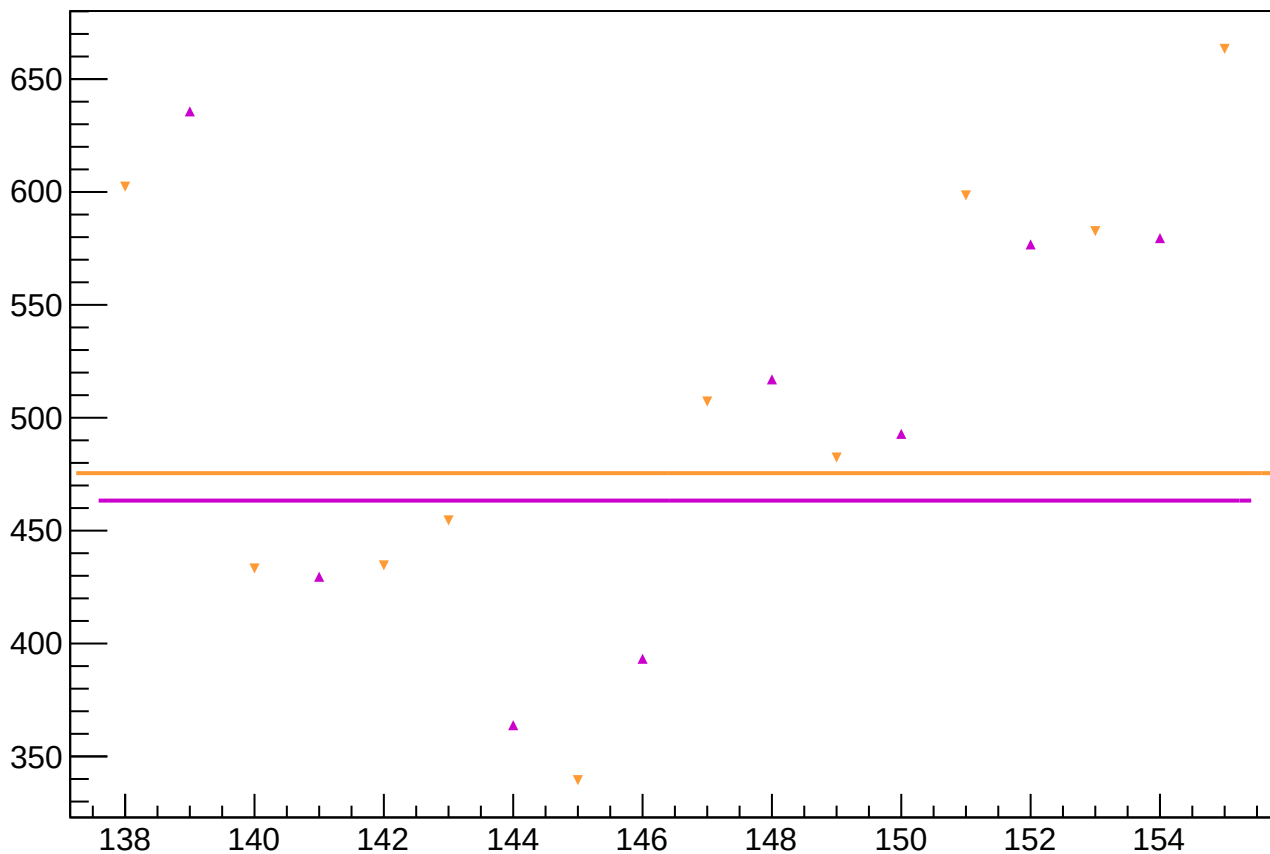
Left In: 152.247+/-184.352 χ^2/NDF : 4.6/7

-910.588+/-179.447 χ^2/NDF : 25.9/9

-393.498+/-128.588 χ^2/NDF : 47.6/17

152.247+/-184.352 χ^2/NDF : 4.6/7

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 475.469+/-0.127 χ^2/NDF : 586390.8/9

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

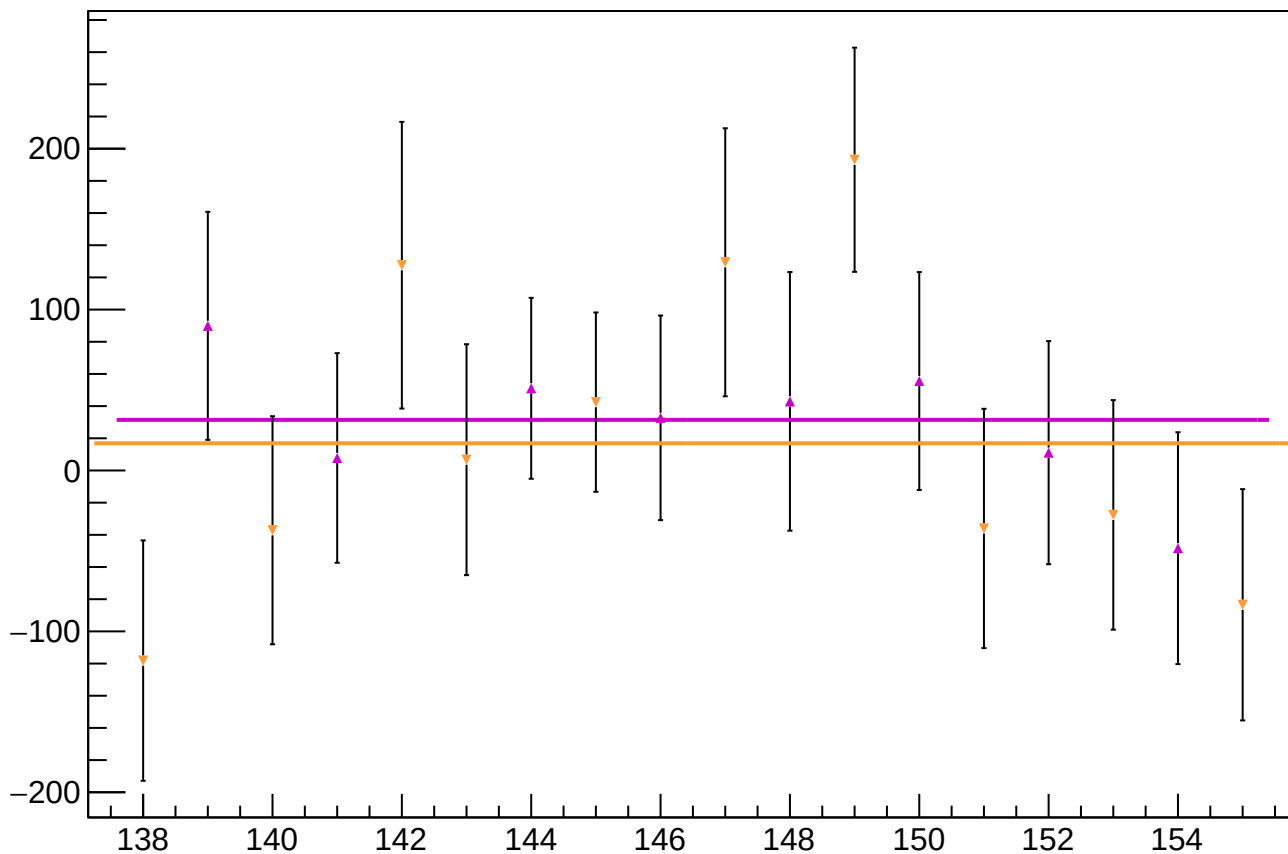
Left In: 463.310+/-0.130 χ^2/NDF : 447835.1/7

475.469+/-0.127 χ^2/NDF : 586390.8/9

469.553+/-0.091 χ^2/NDF : 1038693.4/17

463.310+/-0.130 χ^2/NDF : 447835.1/7

reg_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: 16.913+/-22.694 χ^2/NDF : 16.7/9

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

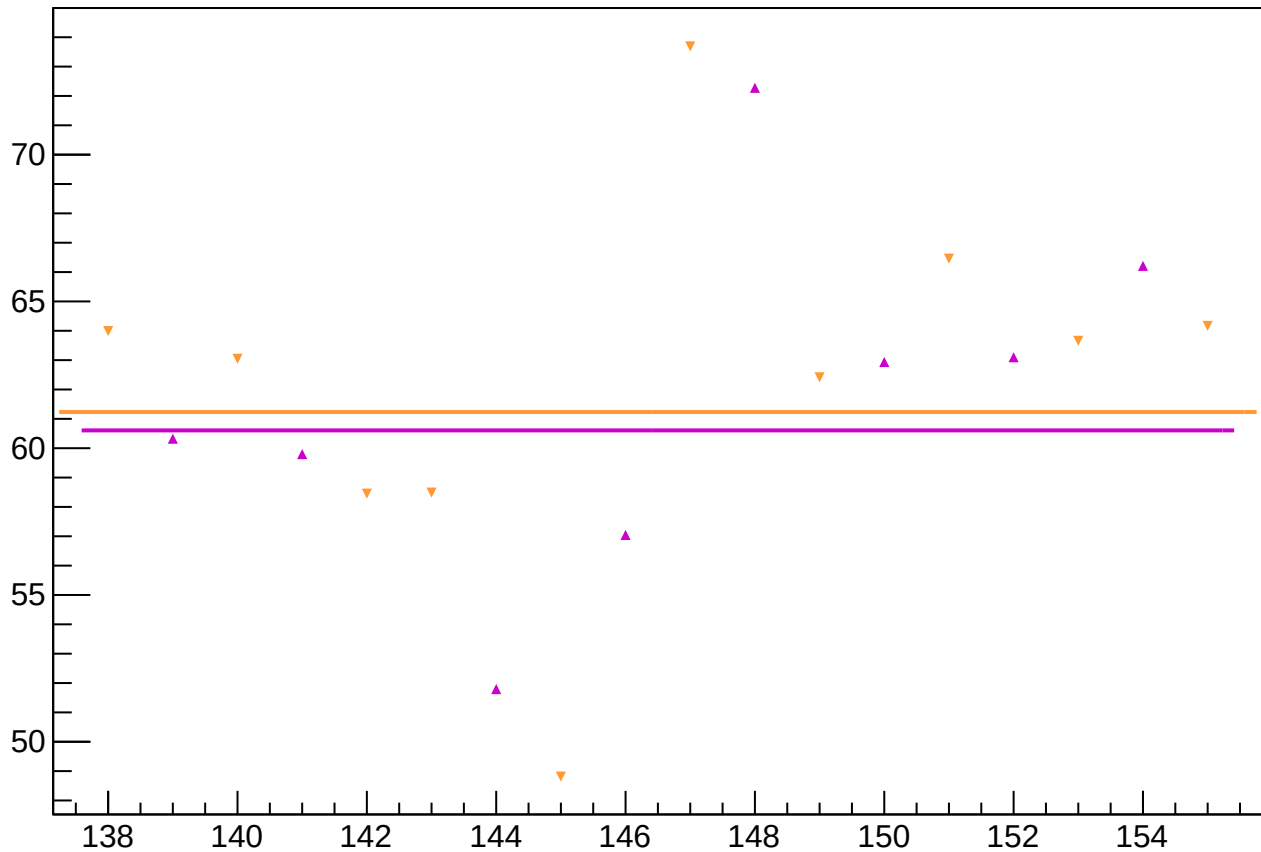
Left In: 31.470+/-23.754 χ^2/NDF : 2.4/7

16.913+/-22.694 χ^2/NDF : 16.7/9

23.859+/-16.409 χ^2/NDF : 19.3/17

31.470+/-23.754 χ^2/NDF : 2.4/7

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: 61.232+/-0.016 χ^2/NDF :169081.3/9

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

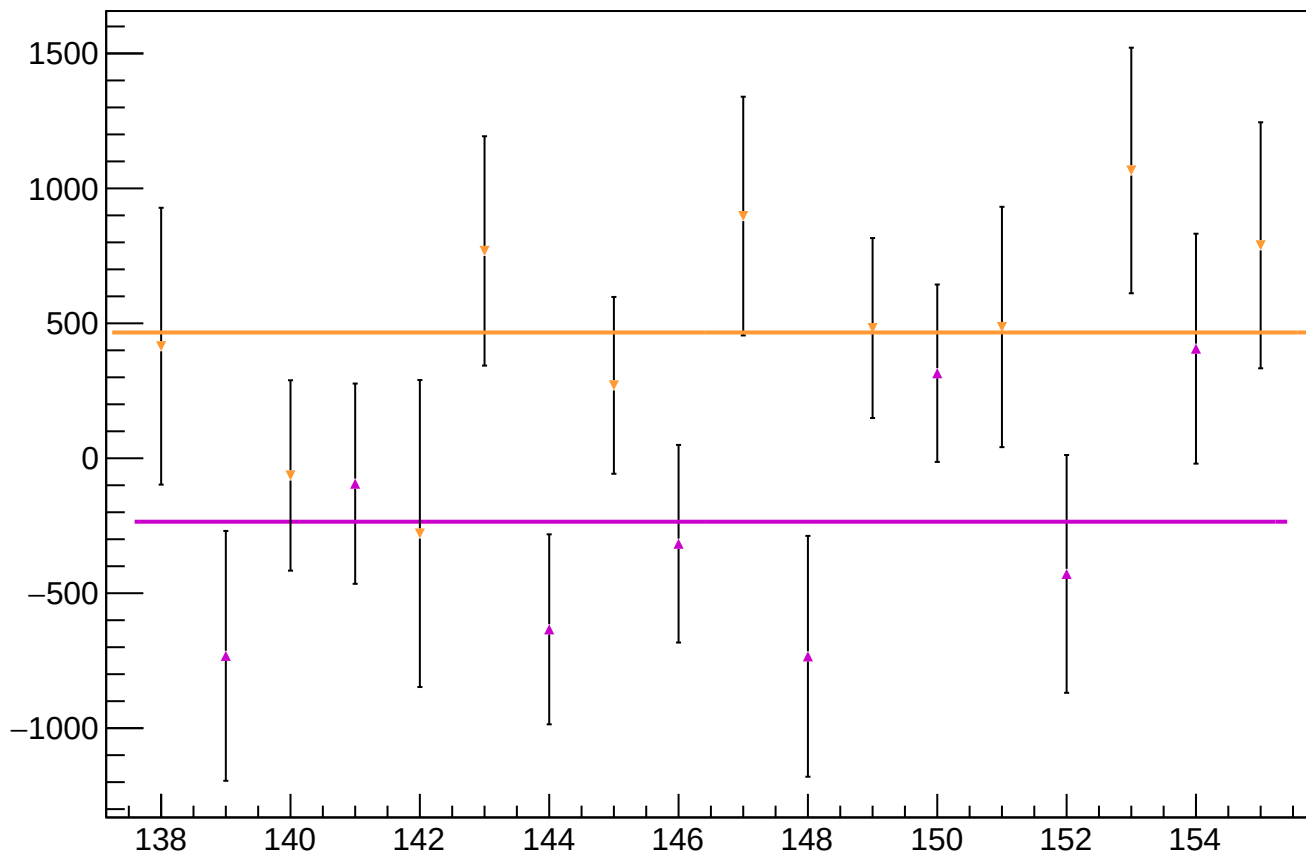
Left In: 60.607+/-0.017 χ^2/NDF :114965.2/7

61.232+/-0.016 χ^2/NDF : 169081.3/9

60.934+/-0.012 χ^2/NDF : 284771.2/17

60.607+/-0.017 χ^2/NDF : 114965.2/7

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: 466.181+/-130.657 χ^2/NDF : 8.0/9

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

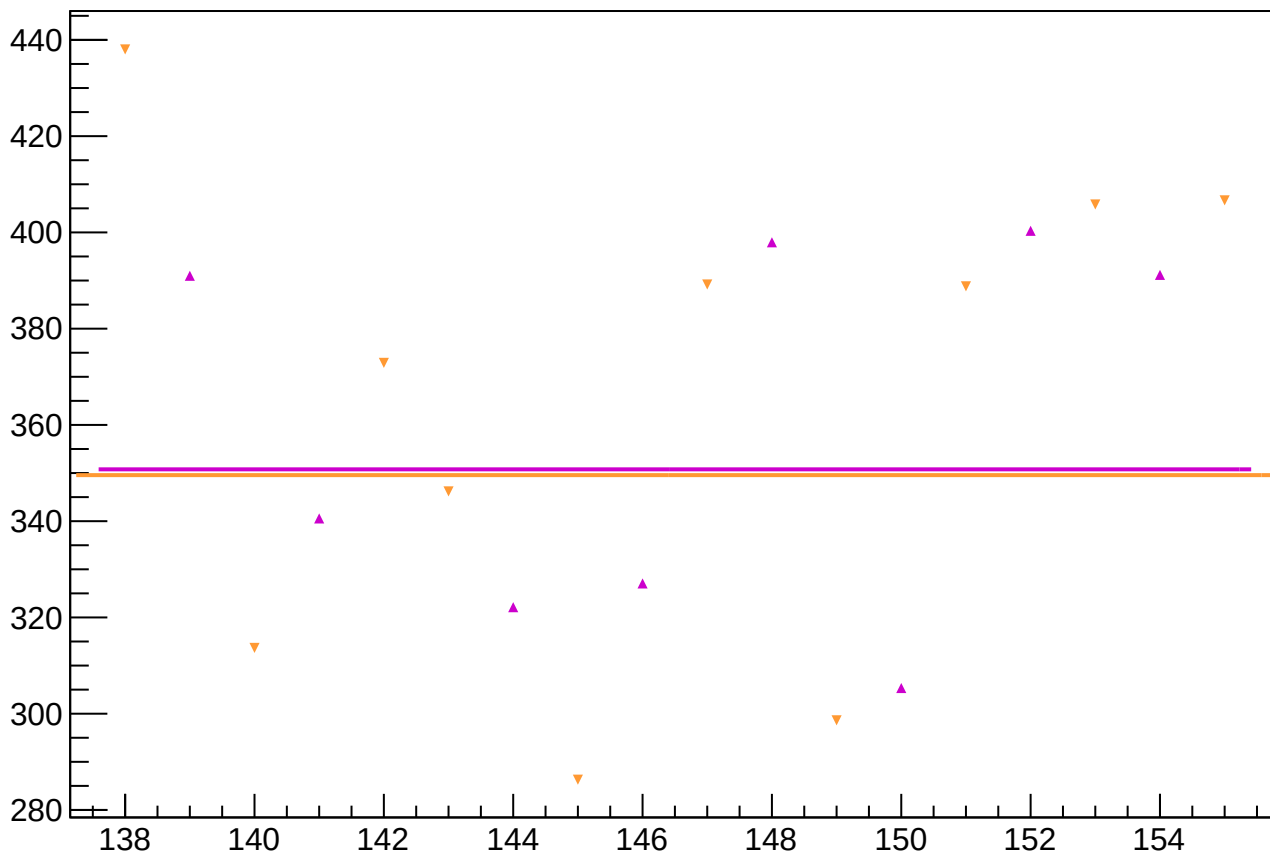
Left In: -235.058+/-138.145 χ^2/NDF : 9.1/7

466.181+/-130.657 χ^2/NDF : 8.0/9

135.080+/-94.925 χ^2/NDF : 30.8/17

-235.058+/-138.145 χ^2/NDF : 9.1/7

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: 349.569+/-0.092 χ^2/NDF : 298490.0/9

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

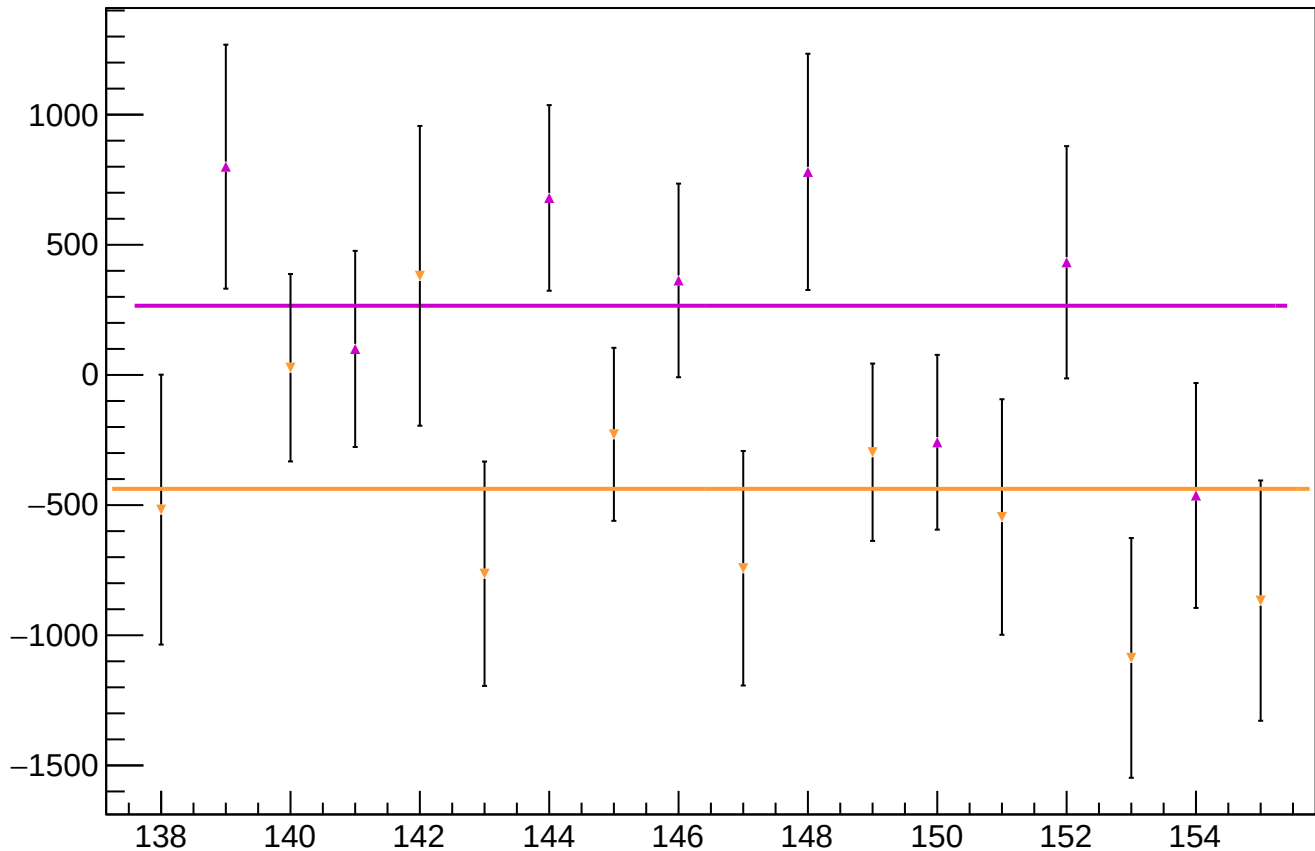
Left In: 350.773+/-0.098 χ^2/NDF : 142107.1/7

349.569+/-0.092 χ^2/NDF : 298490.0/9

350.138+/-0.067 χ^2/NDF : 440677.2/17

350.773+/-0.098 χ^2/NDF : 142107.1/7

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -437.470+/-132.769 χ^2/NDF : 8.2/9

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

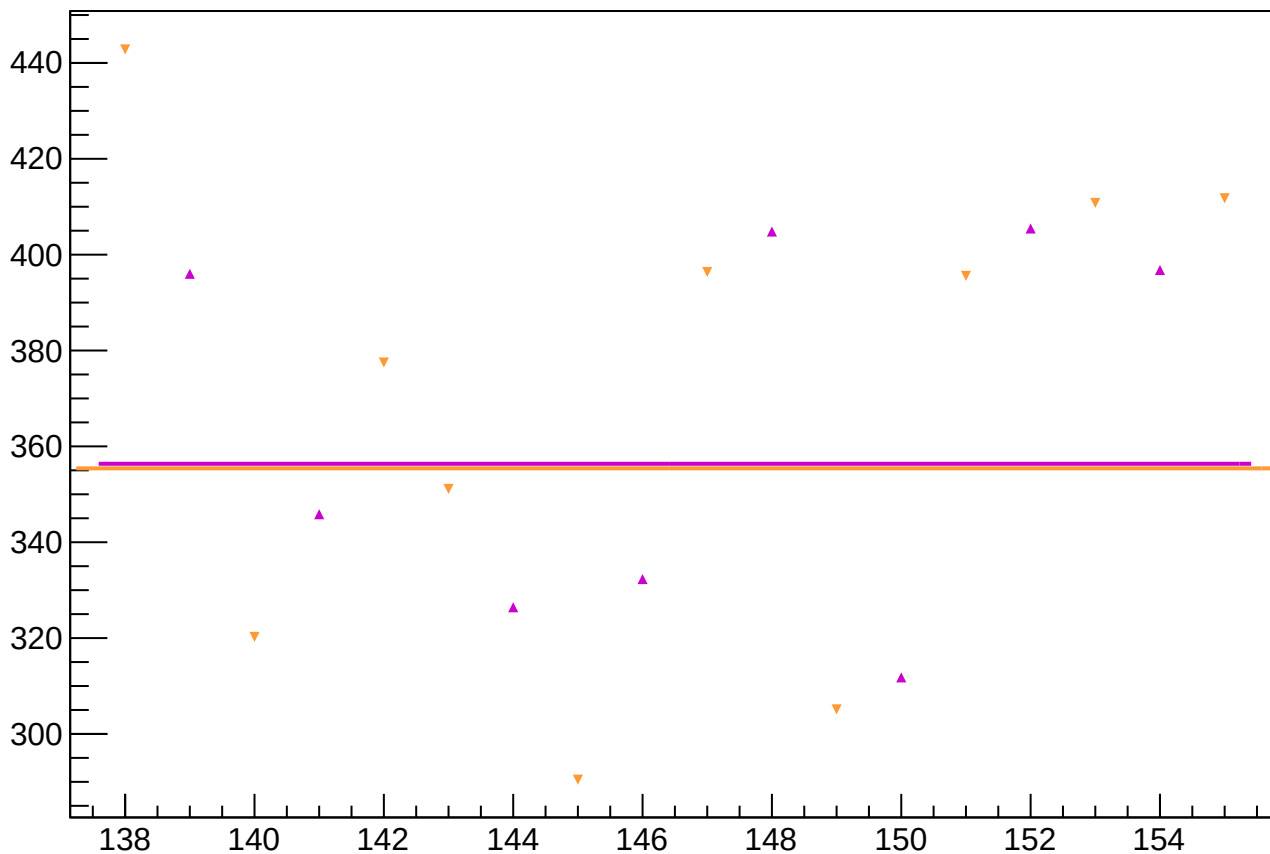
Left In: 265.930+/-140.299 χ^2/NDF : 9.6/7

-437.470+/-132.769 χ^2/NDF : 8.2/9

-105.153+/-96.434 χ^2/NDF : 31.1/17

265.930+/-140.299 χ^2/NDF : 9.6/7

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 355.409+/-0.094 χ^2/NDF : 290111.8/9

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

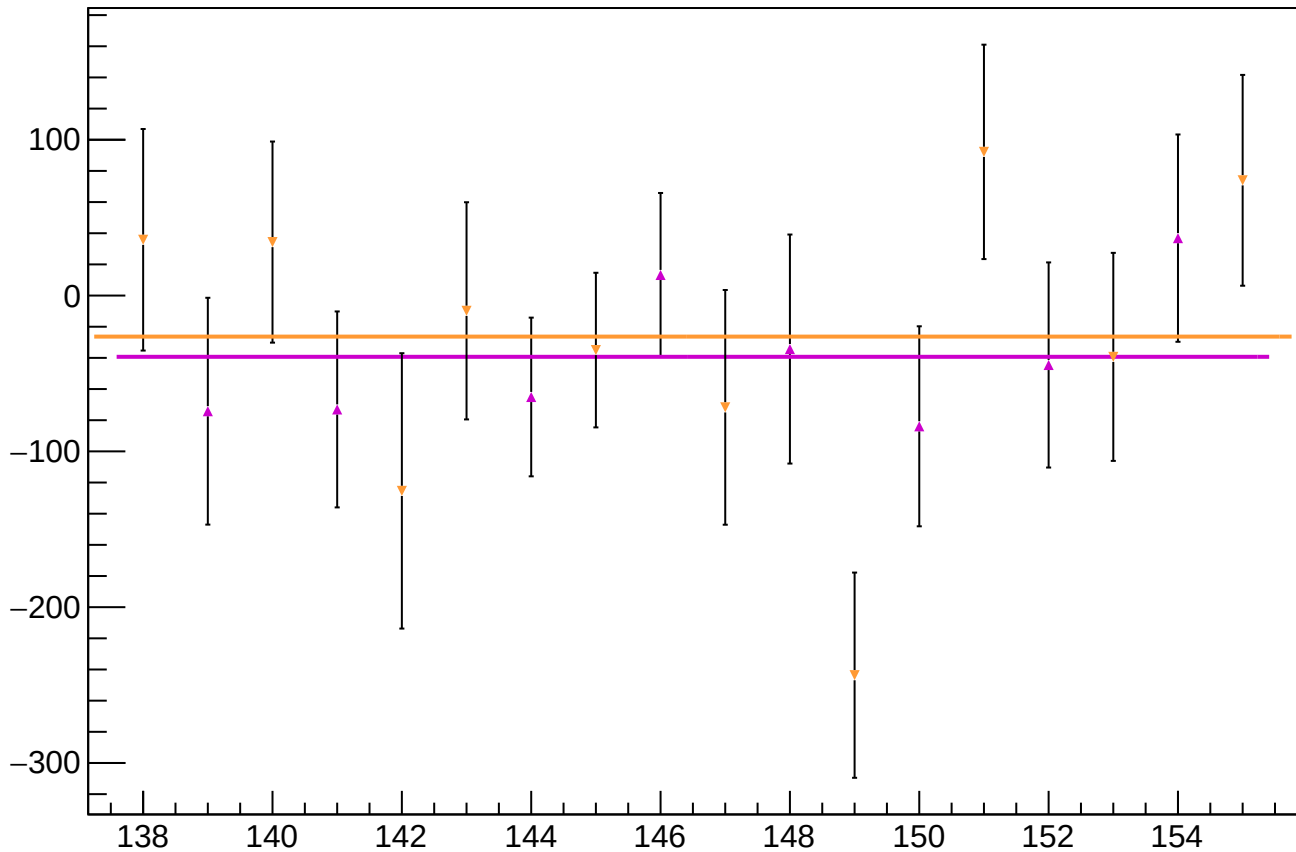
Left In: 356.372+/-0.099 χ^2/NDF : 138122.8/7

355.409+/-0.094 χ^2/NDF : 290111.8/9

355.864+/-0.068 χ^2/NDF : 428284.4/17

356.372+/-0.099 χ^2/NDF : 138122.8/7

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: -26.340+/-21.134 χ^2/NDF : 19.4/9

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

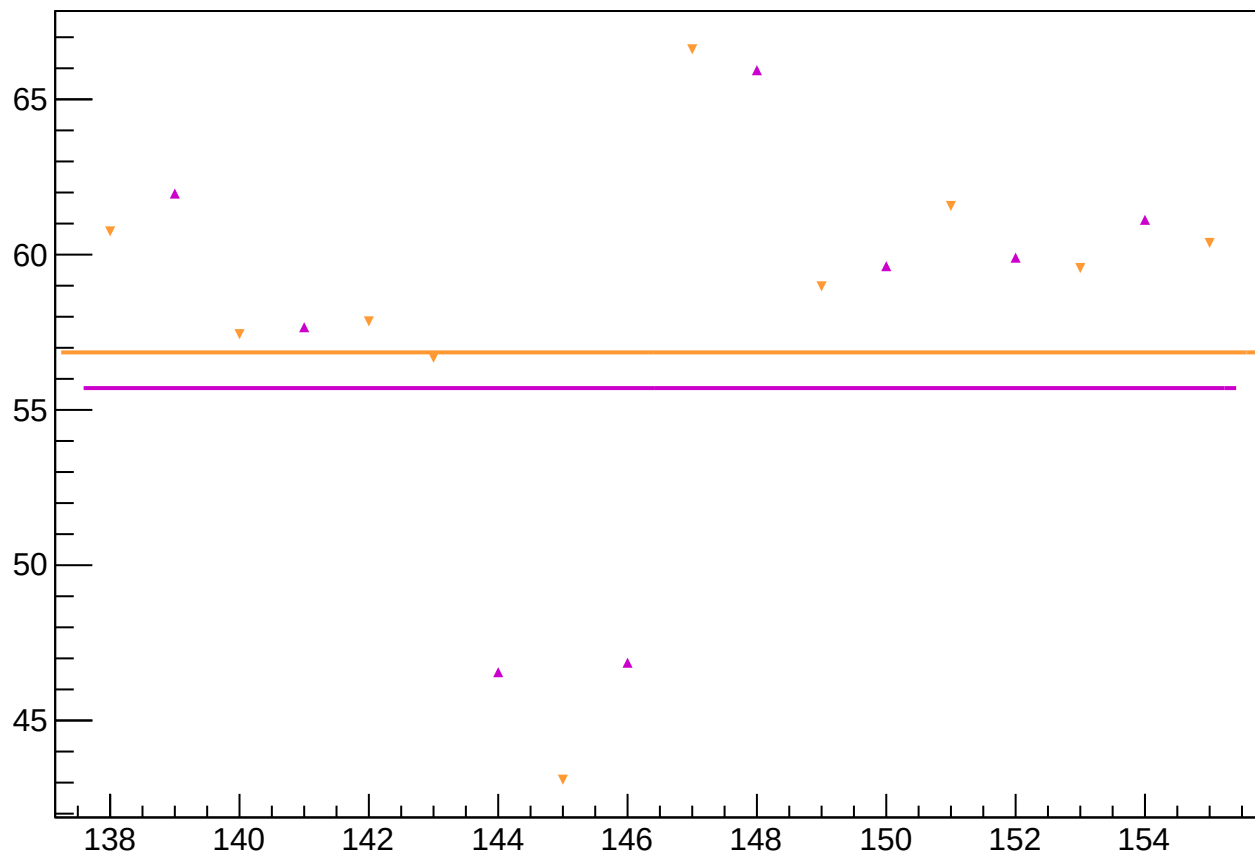
Left In: -39.308+/-21.964 χ^2/NDF : 3.6/7

-26.340+/-21.134 χ^2/NDF : 19.4/9

-32.574+/-15.229 χ^2/NDF : 23.2/17

-39.308+/-21.964 χ^2/NDF : 3.6/7

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 56.852+/-0.015 χ^2/NDF : 213997.0/9

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

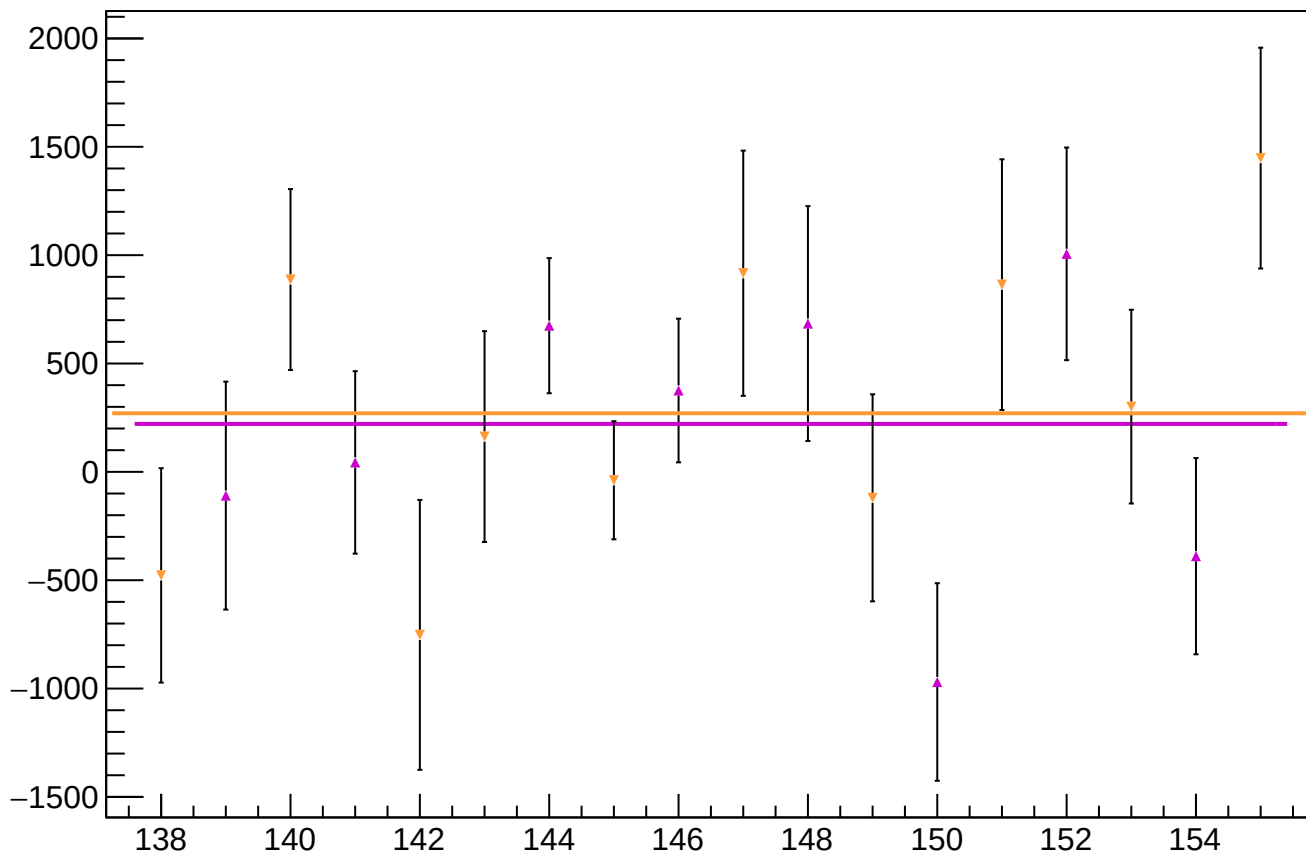
Left In: 55.703+/-0.016 χ^2/NDF : 205421.9/7

56.852+/-0.015 χ^2/NDF : 213997.0/9

56.300+/-0.011 χ^2/NDF : 422264.0/17

55.703+/-0.016 χ^2/NDF : 205421.9/7

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: 270.378+/-142.211 χ^2/NDF :16.9/9

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

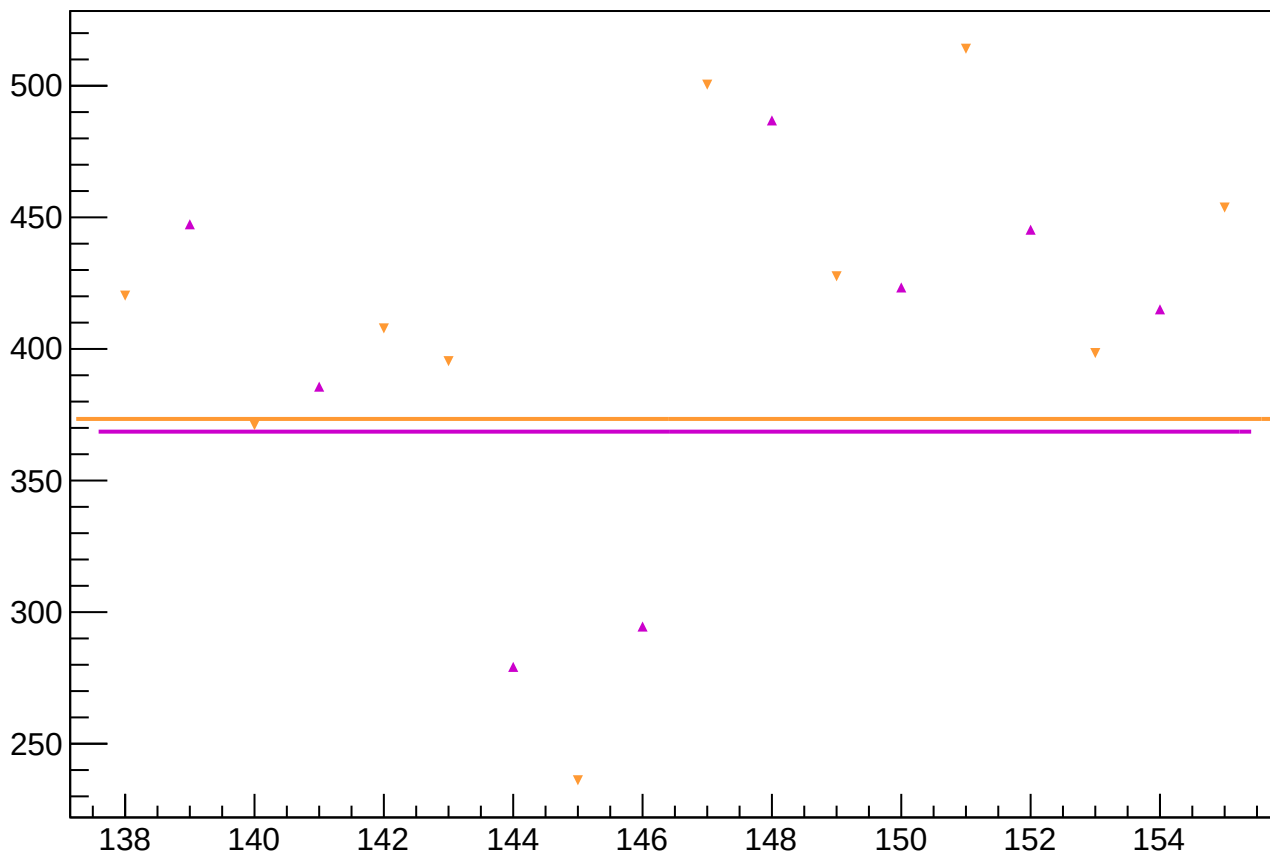
Left In: 221.215+/-147.629 χ^2/NDF :14.8/7

270.378+/-142.211 χ^2/NDF : 16.9/9

246.715+/-102.420 χ^2/NDF : 31.8/17

221.215+/-147.629 χ^2/NDF : 14.8/7

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: 373.408+/-0.101 χ^2/NDF : 836656.7/9

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

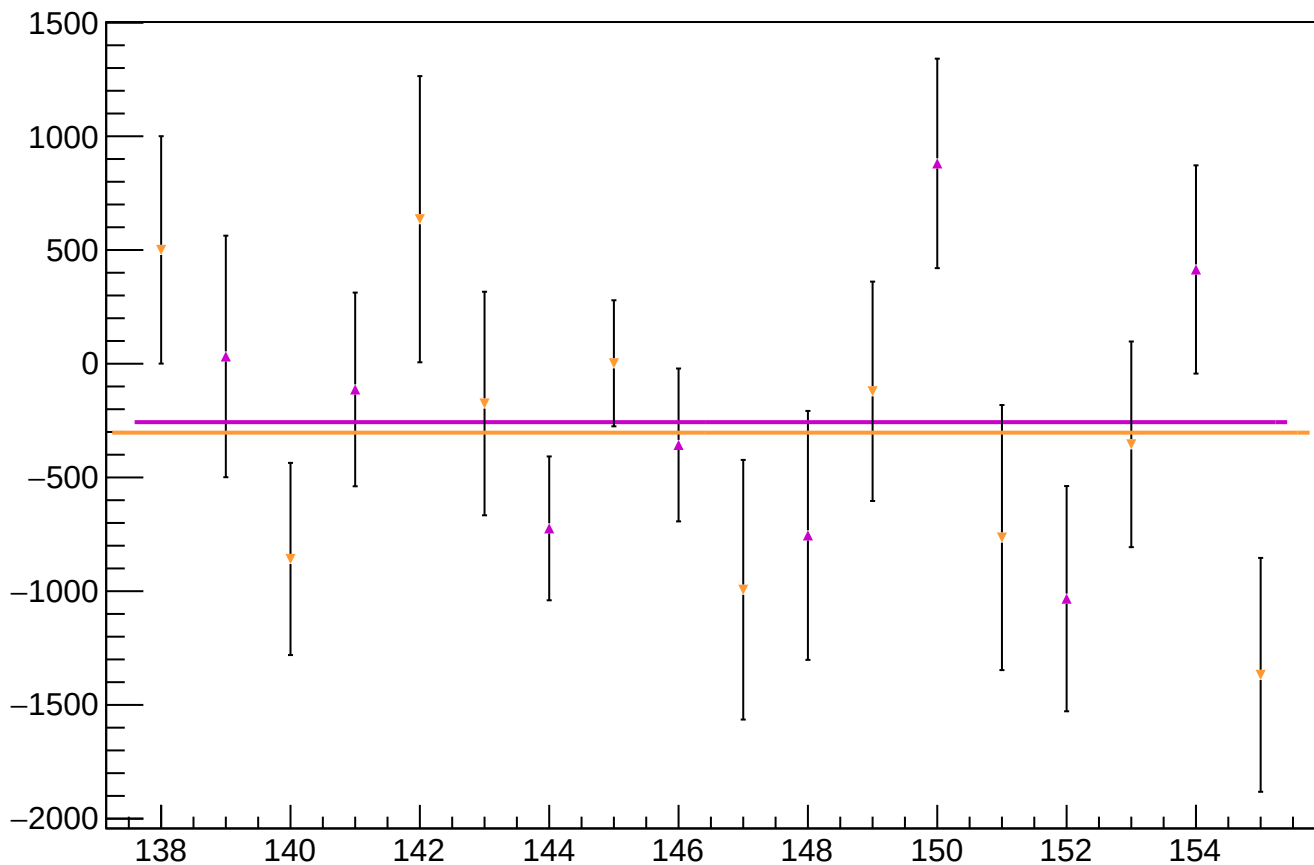
Left In: 368.578+/-0.104 χ^2/NDF : 506362.9/7

373.408+/-0.101 χ^2/NDF : 836656.7/9

371.083+/-0.072 χ^2/NDF : 1344130.1/17

368.578+/-0.104 χ^2/NDF : 506362.9/7

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -303.024+/-143.906 χ^2/NDF : 14.4/9

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

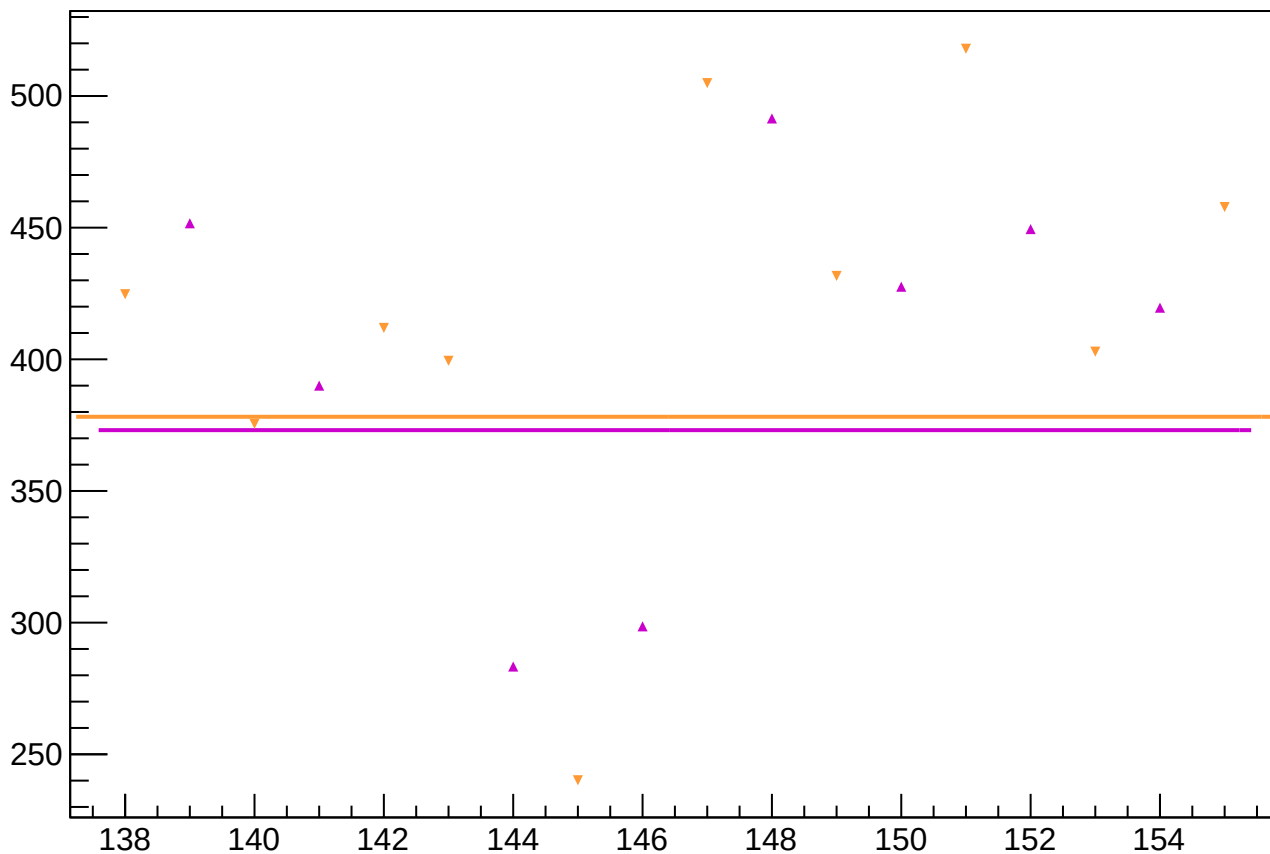
Left In: -256.828+/-149.358 χ^2/NDF : 14.2/7

-303.024+/-143.906 χ^2/NDF : 14.4/9

-280.785+/-103.631 χ^2/NDF : 28.6/17

-256.828+/-149.358 χ^2/NDF : 14.2/7

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 378.180+/-0.102 χ^2/NDF : 815478.9/9

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

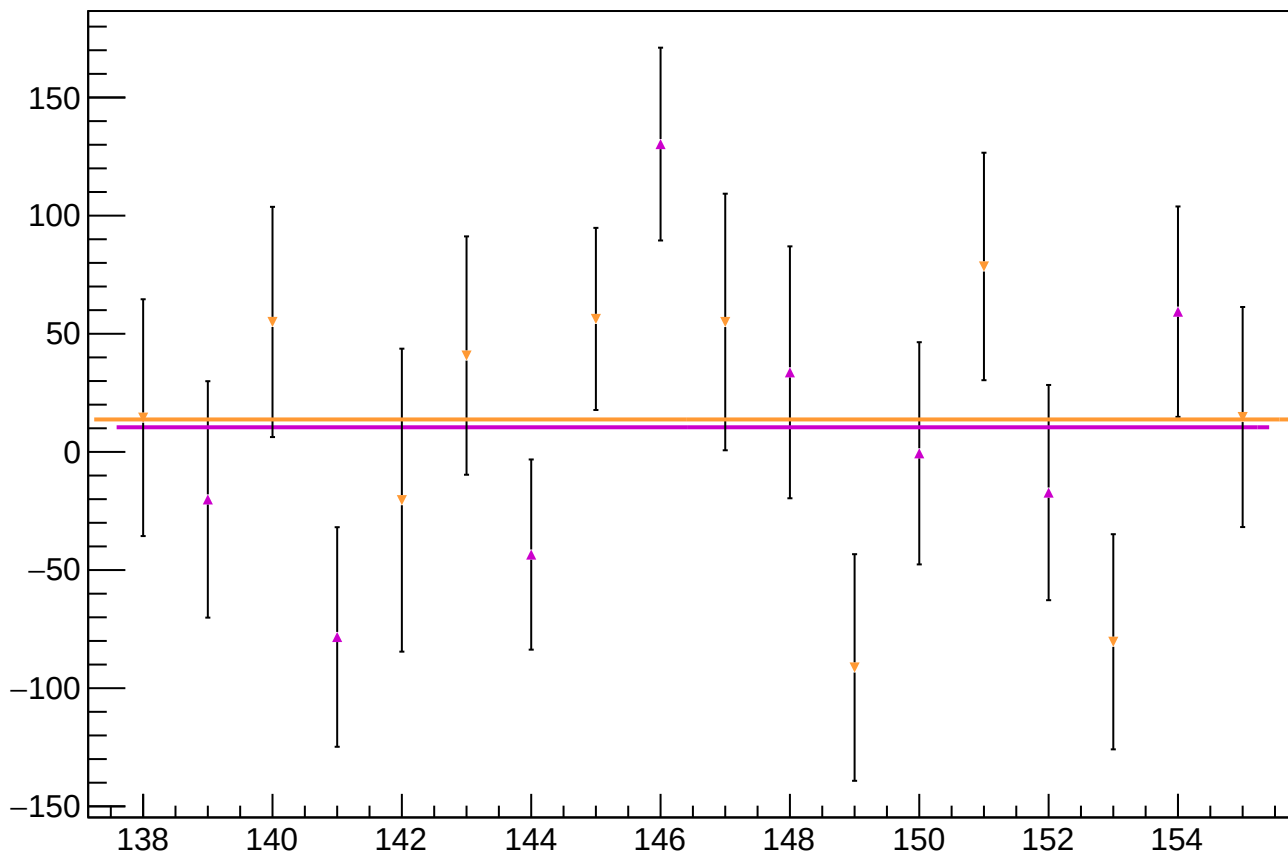
Left In: 373.101+/-0.106 χ^2/NDF : 496276.1/7

378.180+/-0.102 χ^2/NDF : 815478.9/9

375.735+/-0.073 χ^2/NDF : 1312954.5/17

373.101+/-0.106 χ^2/NDF : 496276.1/7

reg_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 13.742+/-15.288 χ^2/NDF : 14.0/9

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

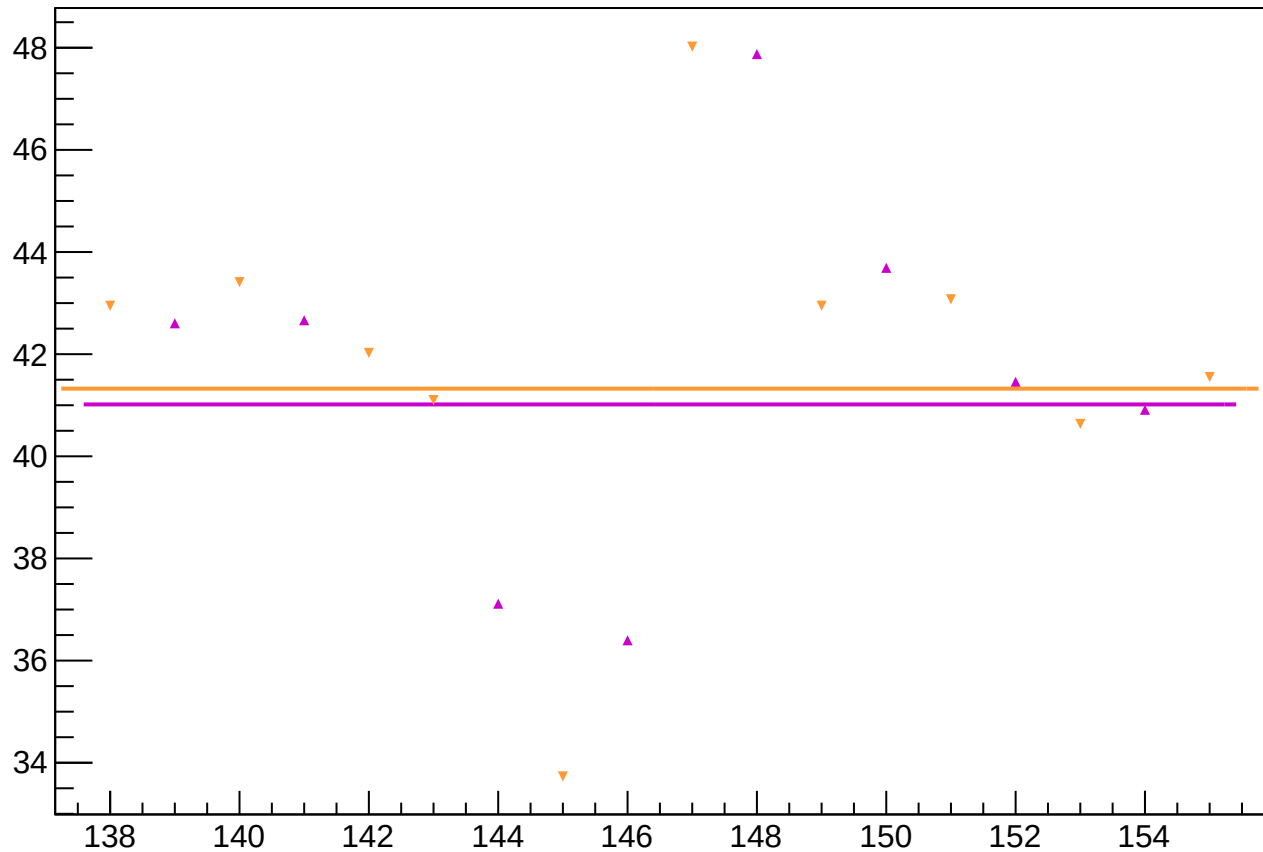
Left In: 10.428+/-16.072 χ^2/NDF : 16.3/7

13.742+/-15.288 χ^2/NDF : 14.0/9

12.168+/-11.077 χ^2/NDF : 30.2/17

10.428+/-16.072 χ^2/NDF : 16.3/7

reg_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 41.325+/-0.011 χ^2/NDF : 119537.5/9

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

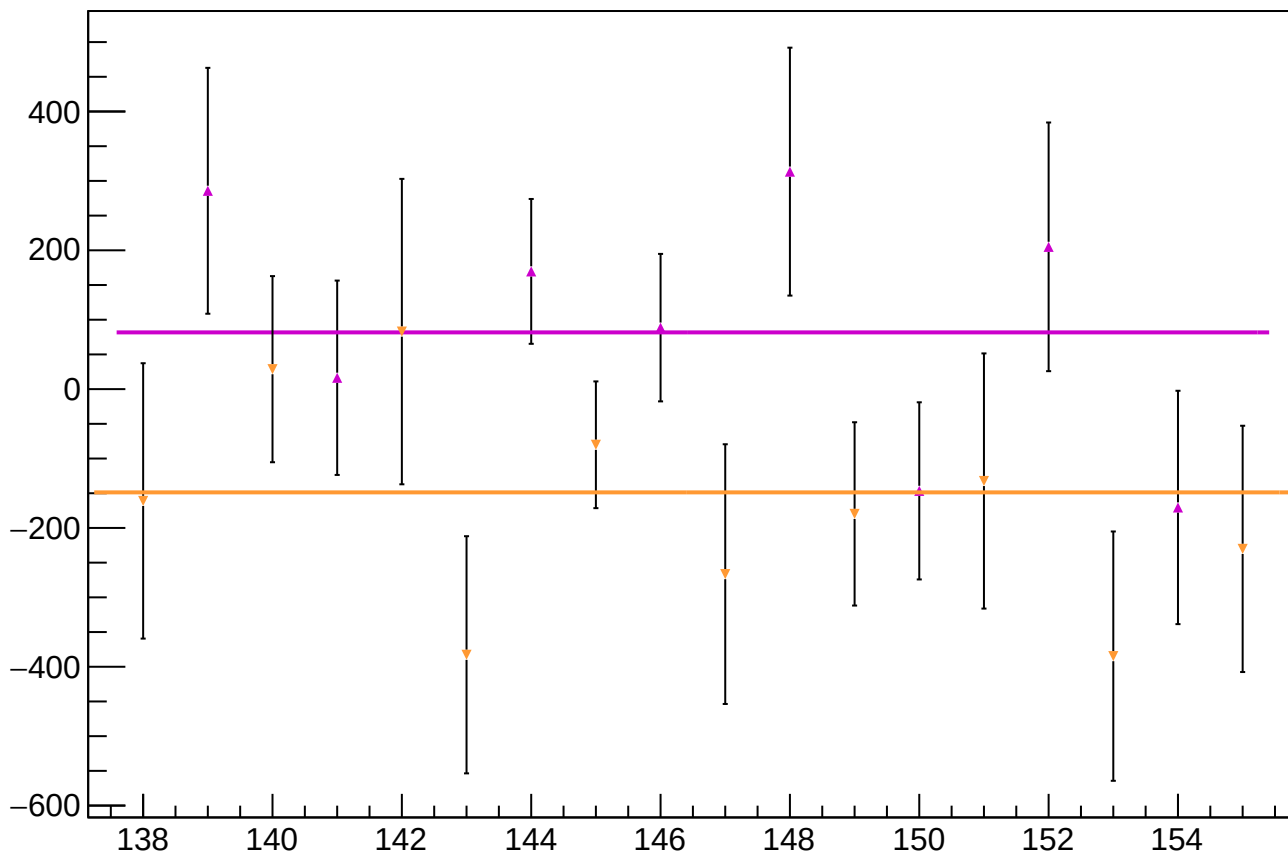
Left In: 41.016+/-0.011 χ^2/NDF : 88741.9/7

41.325+/-0.011 χ^2/NDF : 119537.5/9

41.178+/-0.008 χ^2/NDF : 208667.8/17

41.016+/-0.011 χ^2/NDF : 88741.9/7

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: -148.763+/-47.991 χ^2/NDF : 7.7/9

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

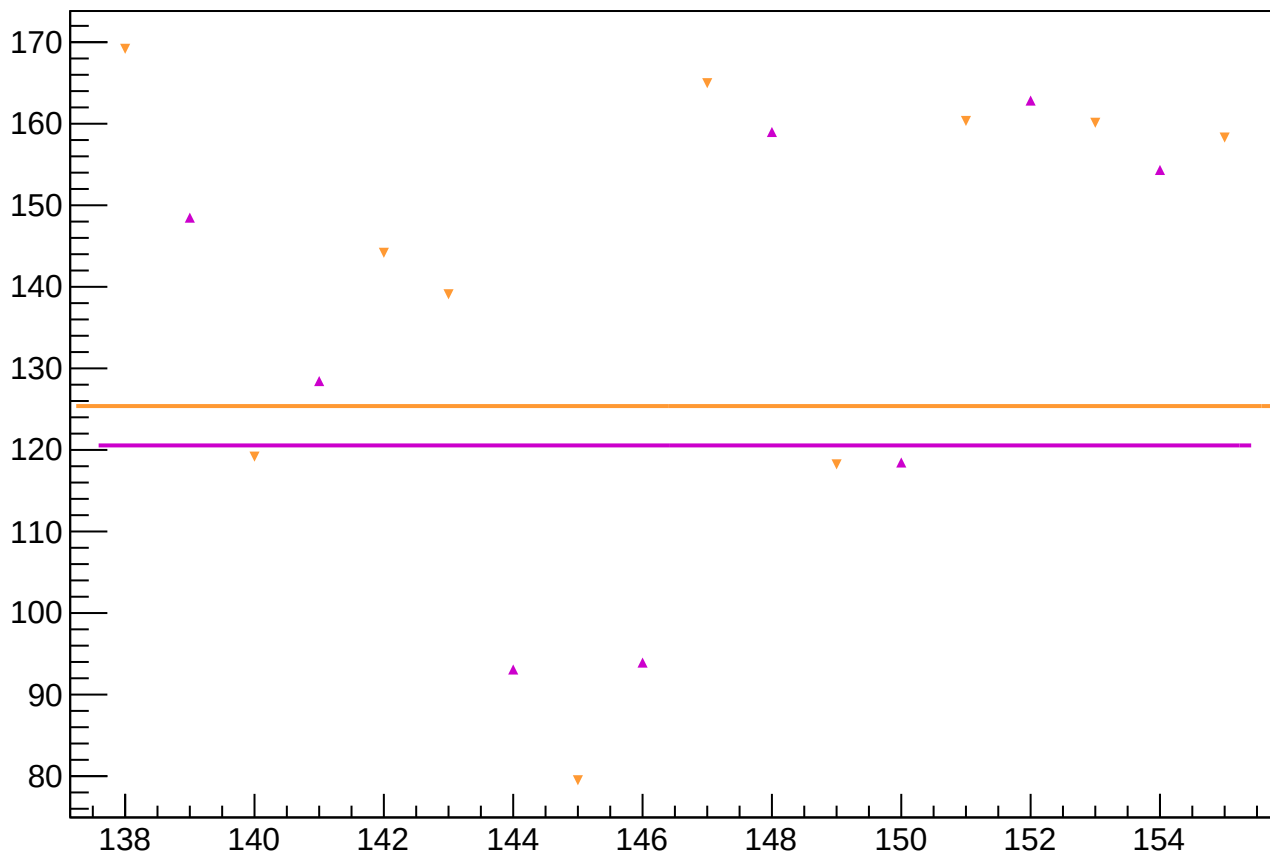
Left In: 81.747+/-48.644 χ^2/NDF : 9.9/7

-148.763+/-47.991 χ^2/NDF : 7.7/9

-35.065+/-34.163 χ^2/NDF : 28.9/17

81.747+/-48.644 χ^2/NDF : 9.9/7

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: 125.378+/-0.034 χ^2/NDF : 945904.4/9

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

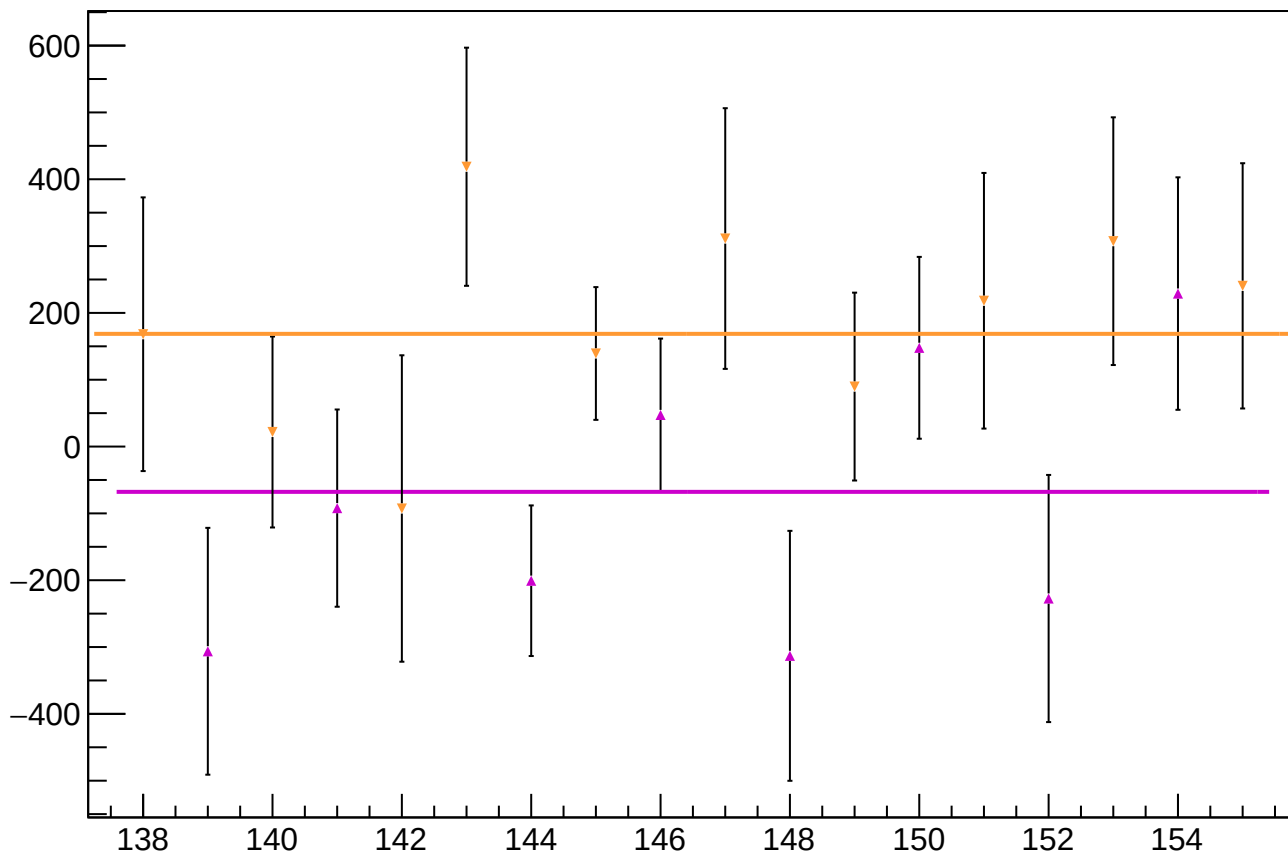
Left In: 120.553+/-0.034 χ^2/NDF : 605744.6/7

125.378+/-0.034 χ^2/NDF : 945904.4/9

122.998+/-0.024 χ^2/NDF : 1561624.3/17

120.553+/-0.034 χ^2/NDF : 605744.6/7

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 168.661+/-50.784 χ^2/NDF : 6.0/9

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

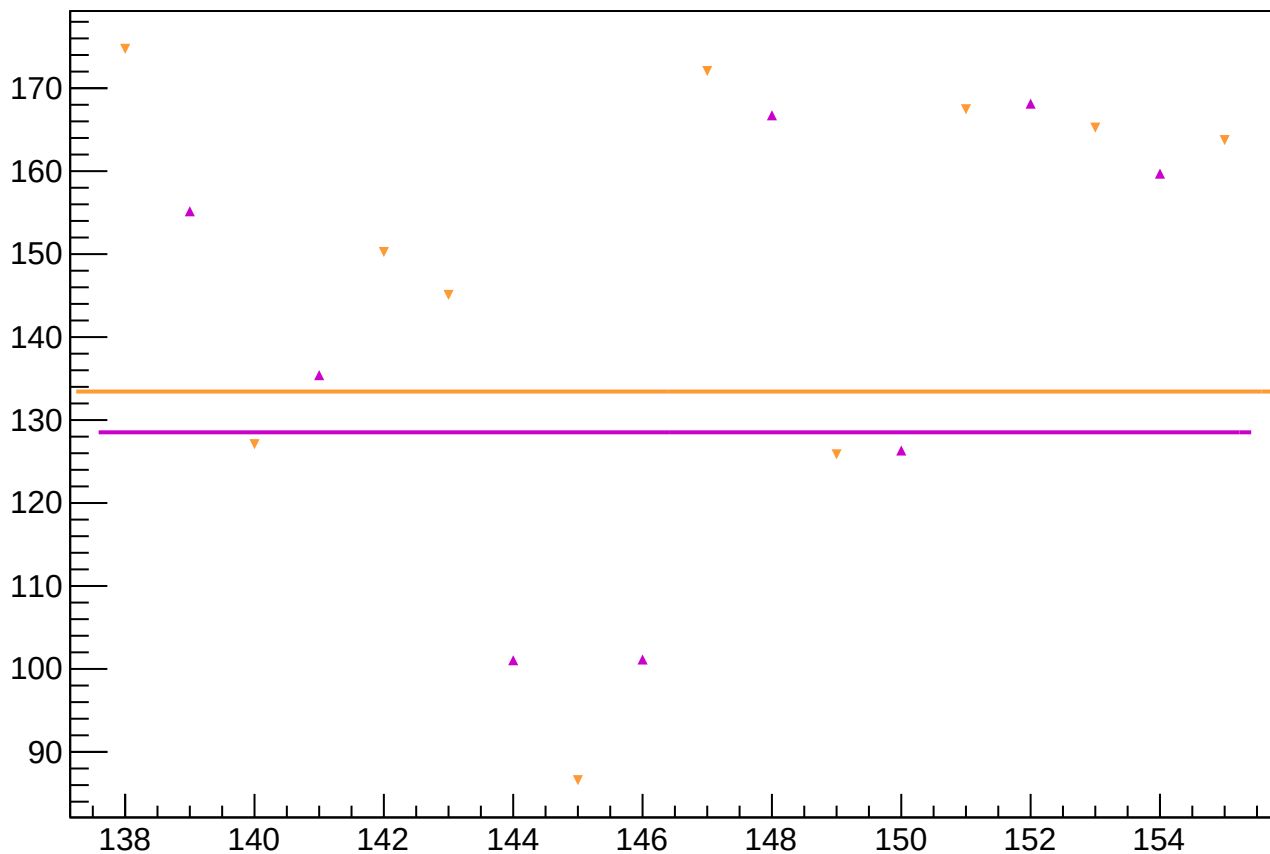
Left In: -67.777+/-51.605 χ^2/NDF : 12.0/7

168.661+/-50.784 χ^2/NDF : 6.0/9

52.337+/-36.196 χ^2/NDF : 28.7/17

-67.777+/-51.605 χ^2/NDF : 12.0/7

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 133.437+/-0.036 χ^2/NDF : 810535.8/9

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

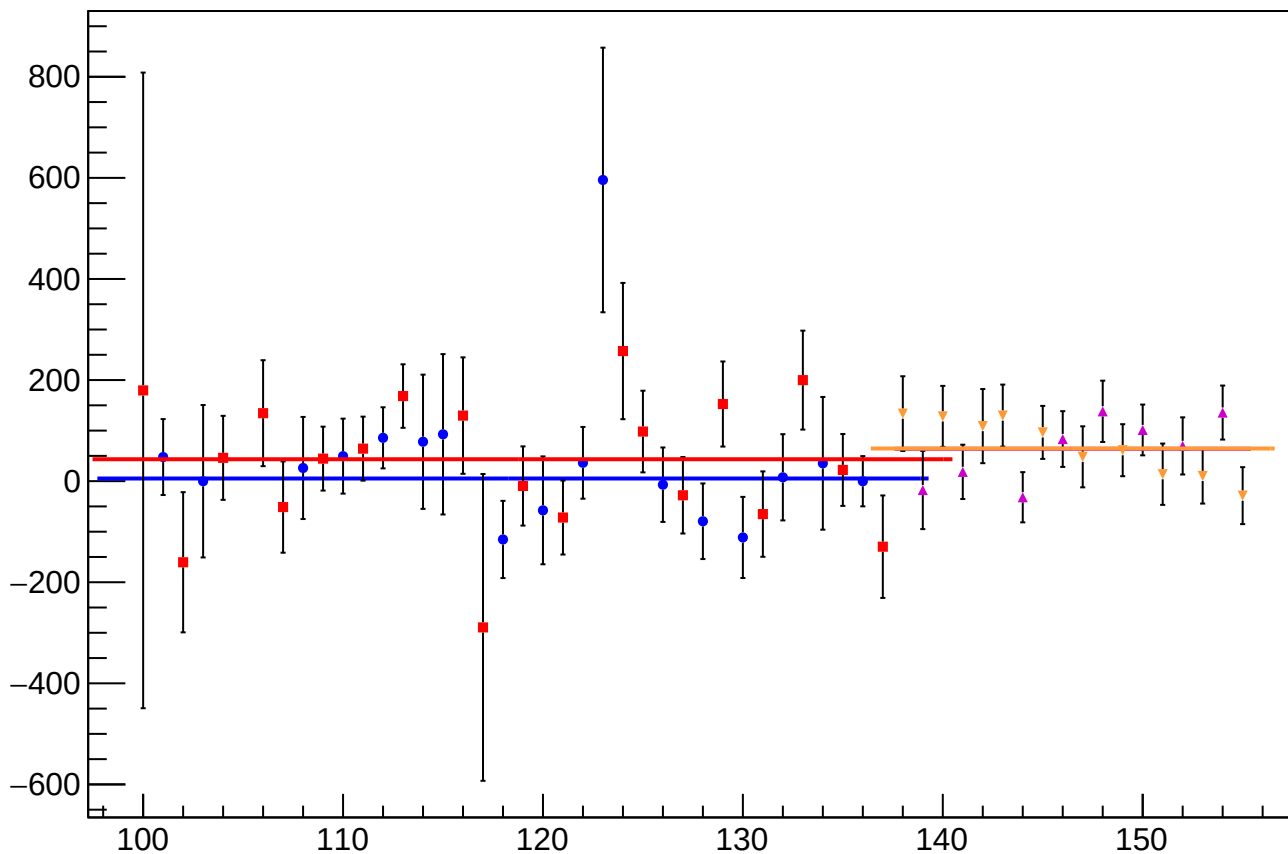
Left In: 128.520+/-0.036 χ^2/NDF : 519829.8/7

133.437+/-0.036 χ^2/NDF : 810535.8/9

131.018+/-0.026 χ^2/NDF : 1339589.0/17

128.520+/-0.036 χ^2/NDF : 519829.8/7

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: 64.581 $\pm$ 18.741 χ^2 /NDF: 8.4/9

Right Out: 43.354 $\pm$ 19.371 χ^2 /NDF: 25.6/19

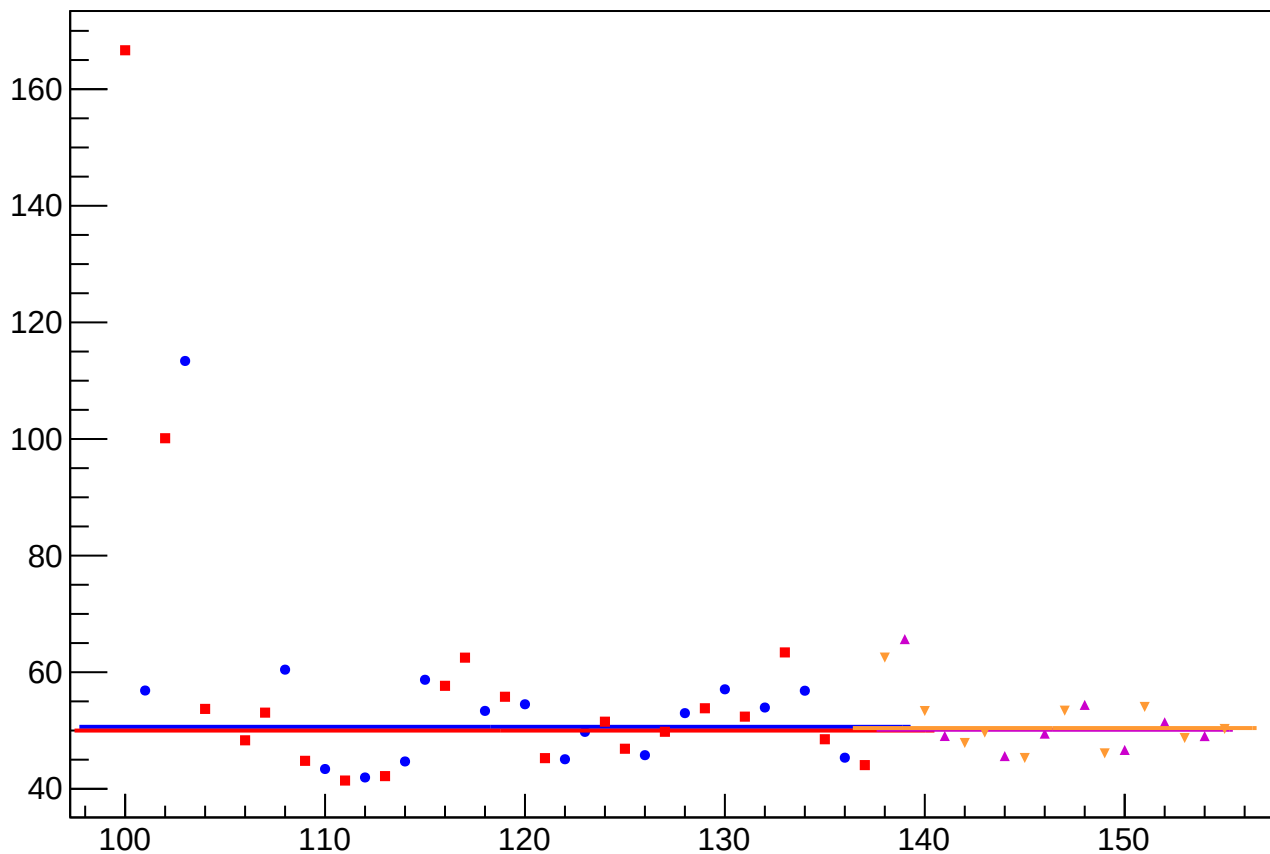
Left In: 63.963 $\pm$ 19.690 χ^2 /NDF: 9.5/7

37.049 $\pm$ 13.723 χ^2 /NDF: 27.7/26

45.218 $\pm$ 9.734 χ^2 /NDF: 64.1/54

53.490 $\pm$ 13.809 χ^2 /NDF: 35.7/27

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: 50.423 $\pm$ 0.013 χ^2 /NDF: 108233.9/9

Right Out: 49.994 $\pm$ 0.014 χ^2 /NDF: 503898.1/19

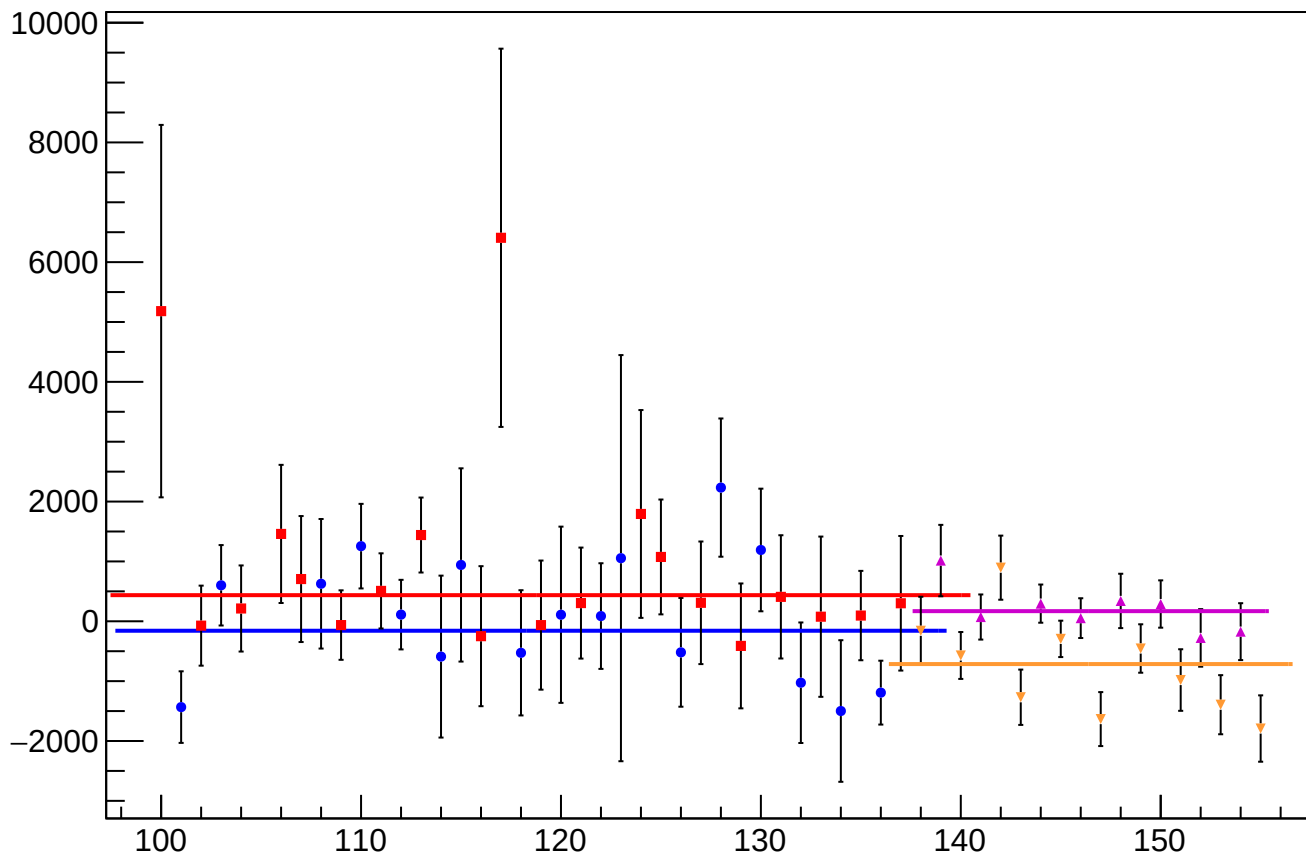
Left In: 50.131 $\pm$ 0.014 χ^2 /NDF: 119678.4/7

50.521 $\pm$ 0.010 χ^2 /NDF: 628039.9/26

50.292 $\pm$ 0.007 χ^2 /NDF: 1252781.5/54

50.061 $\pm$ 0.010 χ^2 /NDF: 623625.4/27

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: -714.734 $\pm$ 140.332 χ^2 /NDF: 24.0/9

Right Out: 436.410 $\pm$ 203.212 χ^2 /NDF: 13.4/19

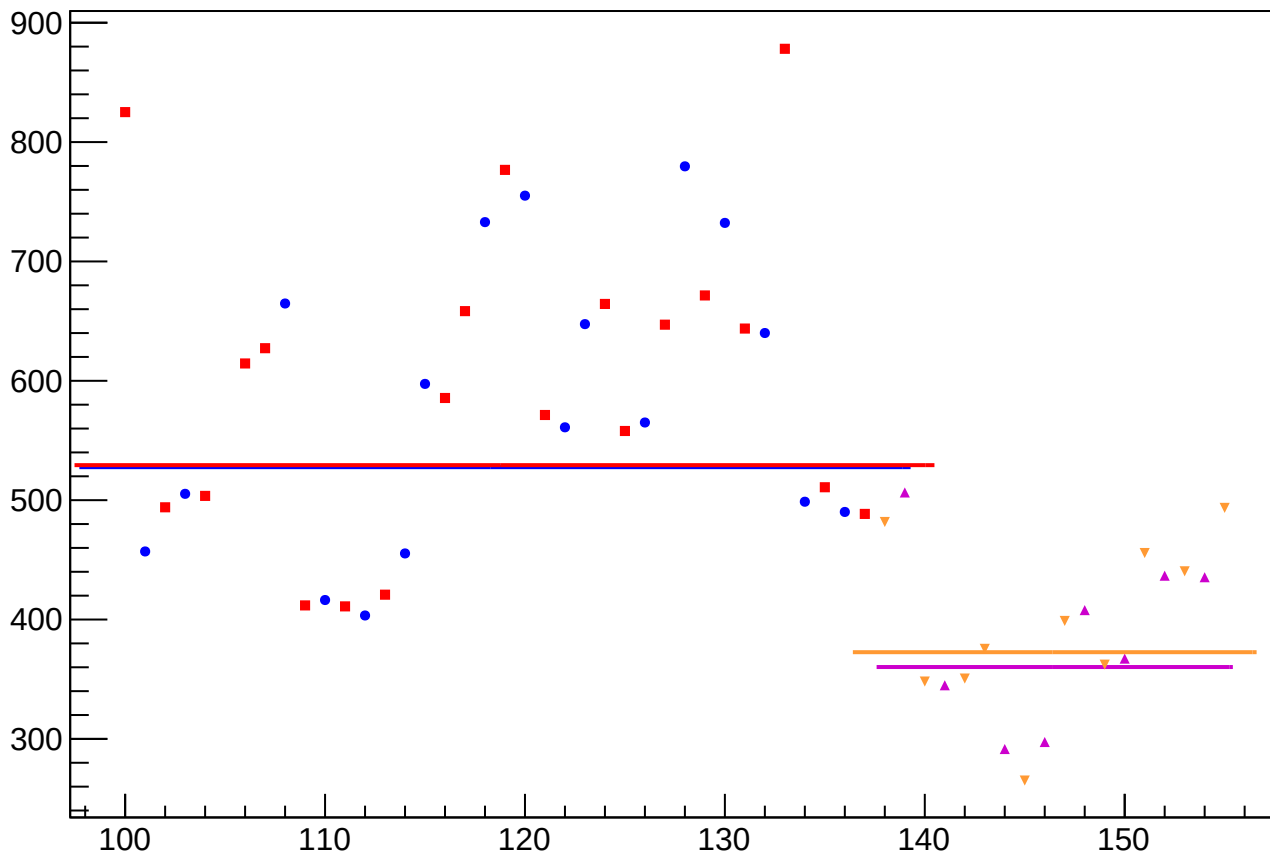
Left In: 169.366 $\pm$ 143.217 χ^2 /NDF: 4.0/7

-543.073 $\pm$ 116.709 χ^2 /NDF: 52.3/26

-143.761 $\pm$ 82.651 χ^2 /NDF: 94.3/54

257.987 $\pm$ 117.065 χ^2 /NDF: 18.5/27

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: 372.637 $\pm$ 0.099 χ^2/NDF : 528519.8/9

Right Out: 529.342 $\pm$ 0.144 χ^2/NDF : 626714.3/19

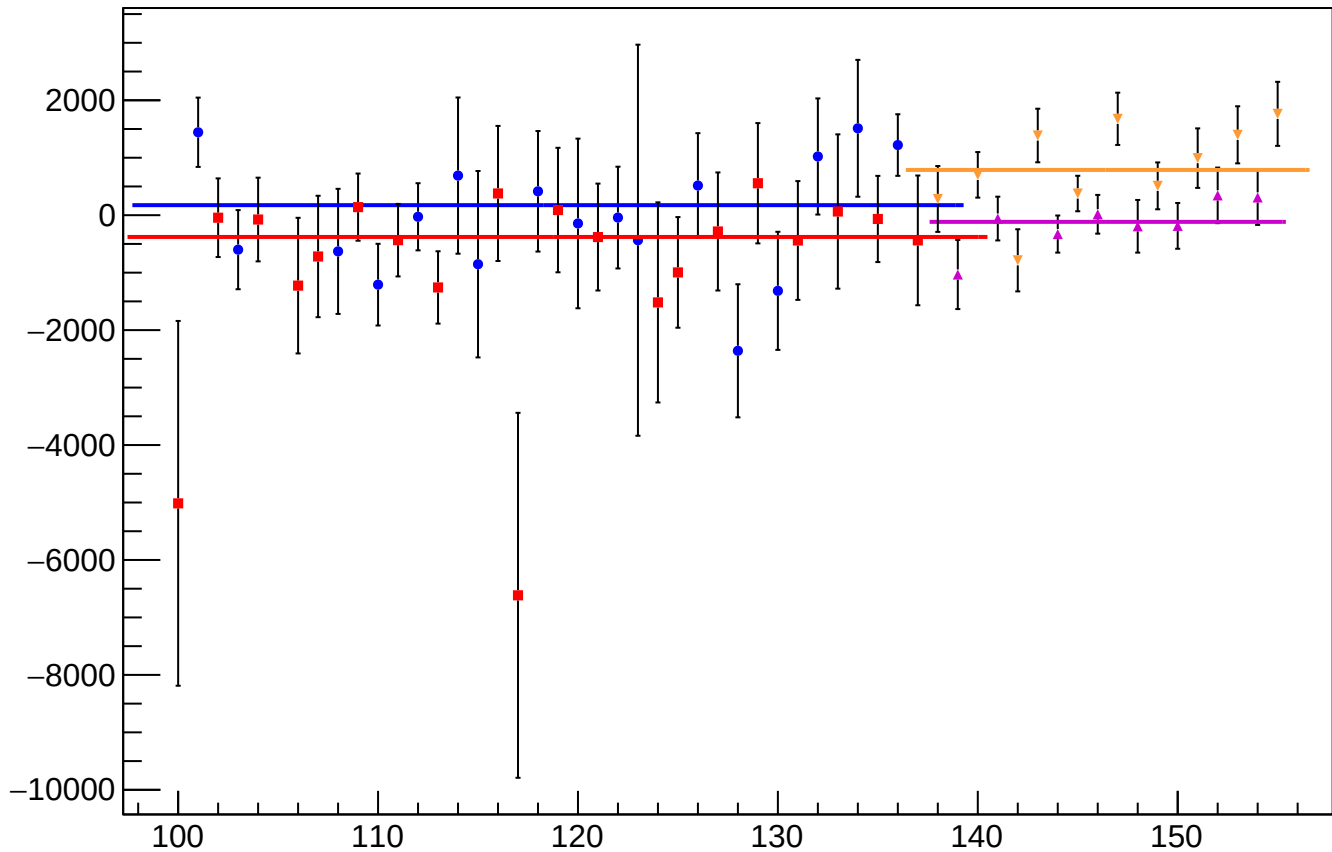
Left In: 360.212 $\pm$ 0.101 χ^2/NDF : 411373.2/7

420.437 $\pm$ 0.083 χ^2/NDF : 1838515.2/26

418.395 $\pm$ 0.058 χ^2/NDF : 3803475.3/54

416.340 $\pm$ 0.083 χ^2/NDF : 1963731.1/27

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 174.605 $\pm$ 211.662 χ^2 /NDF: 23.7/16

Left Out: 787.599 $\pm$ 141.739 χ^2 /NDF:21.7/9

Right Out: -378.609 $\pm$ 204.777 χ^2 /NDF: 12.3/19

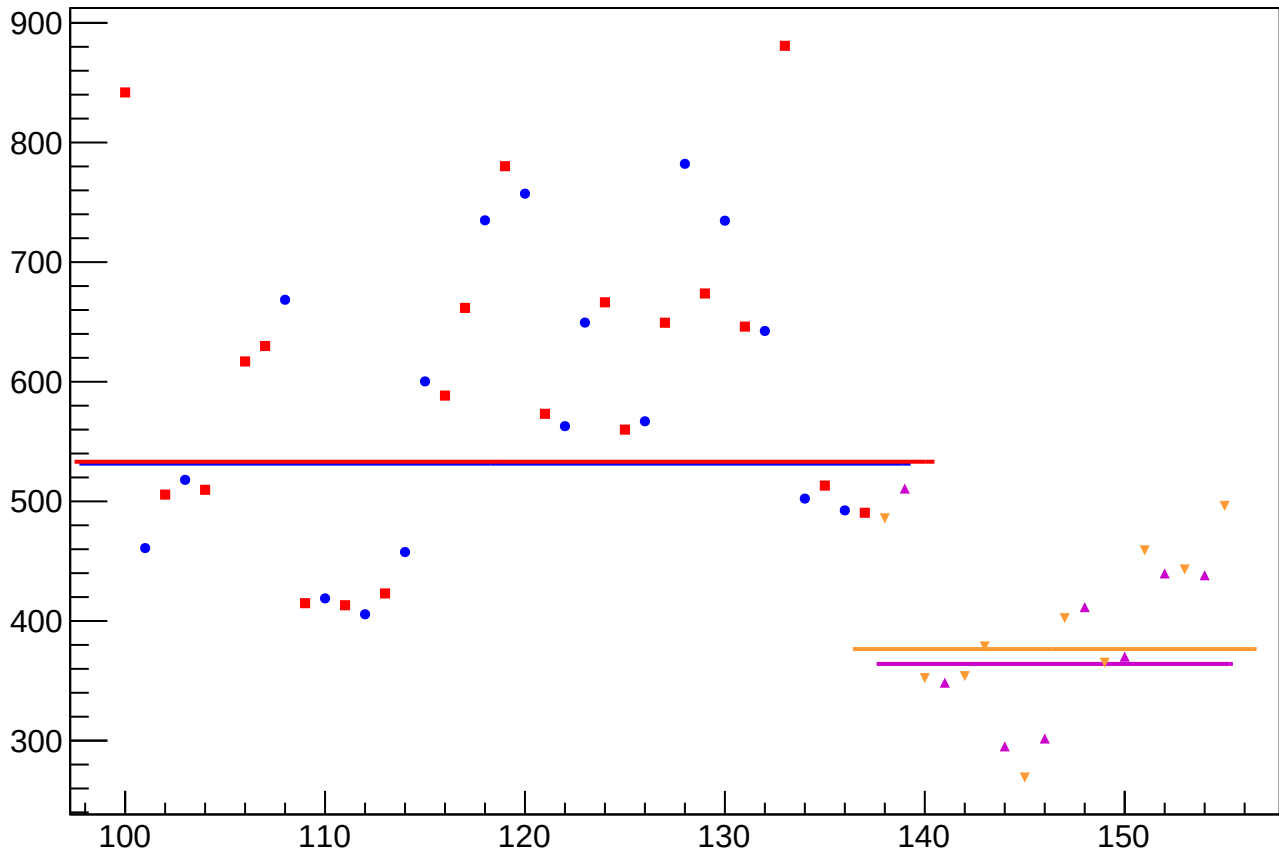
Left In: -115.787 $\pm$ 144.696 χ^2 /NDF:4.7/7

597.818 $\pm$ 117.772 χ^2 /NDF: 51.2/26

198.611 $\pm$ 83.418 χ^2 /NDF: 92.4/54

-203.311 $\pm$ 118.172 χ^2 /NDF: 18.1/27

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 531.554 $\pm$ 0.150 χ^2 /NDF: 550087.6/16

Left Out: 376.577 $\pm$ 0.100 χ^2 /NDF: 512895.8/9

Right Out: 533.157 $\pm$ 0.145 χ^2 /NDF: 619038.4/19

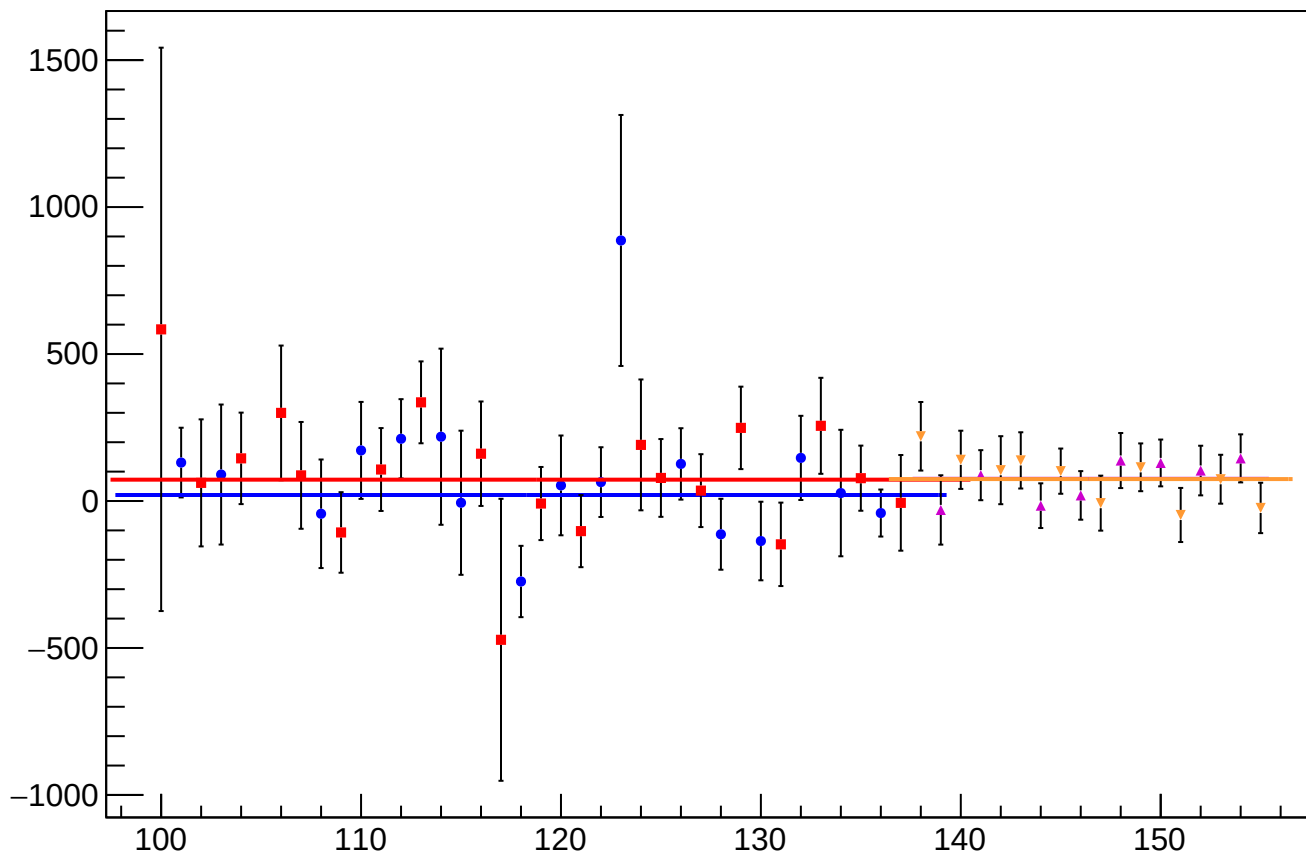
Left In: 364.108 $\pm$ 0.102 χ^2 /NDF: 400730.6/7

424.558 $\pm$ 0.083 χ^2 /NDF: 1803234.9/26

422.488 $\pm$ 0.059 χ^2 /NDF: 3733339.0/54

420.404 $\pm$ 0.084 χ^2 /NDF: 1928864.7/27

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: 74.620 $\pm$ 28.954 χ^2 /NDF: 6.7/9

Right Out: 72.603 $\pm$ 34.608 χ^2 /NDF: 16.7/19

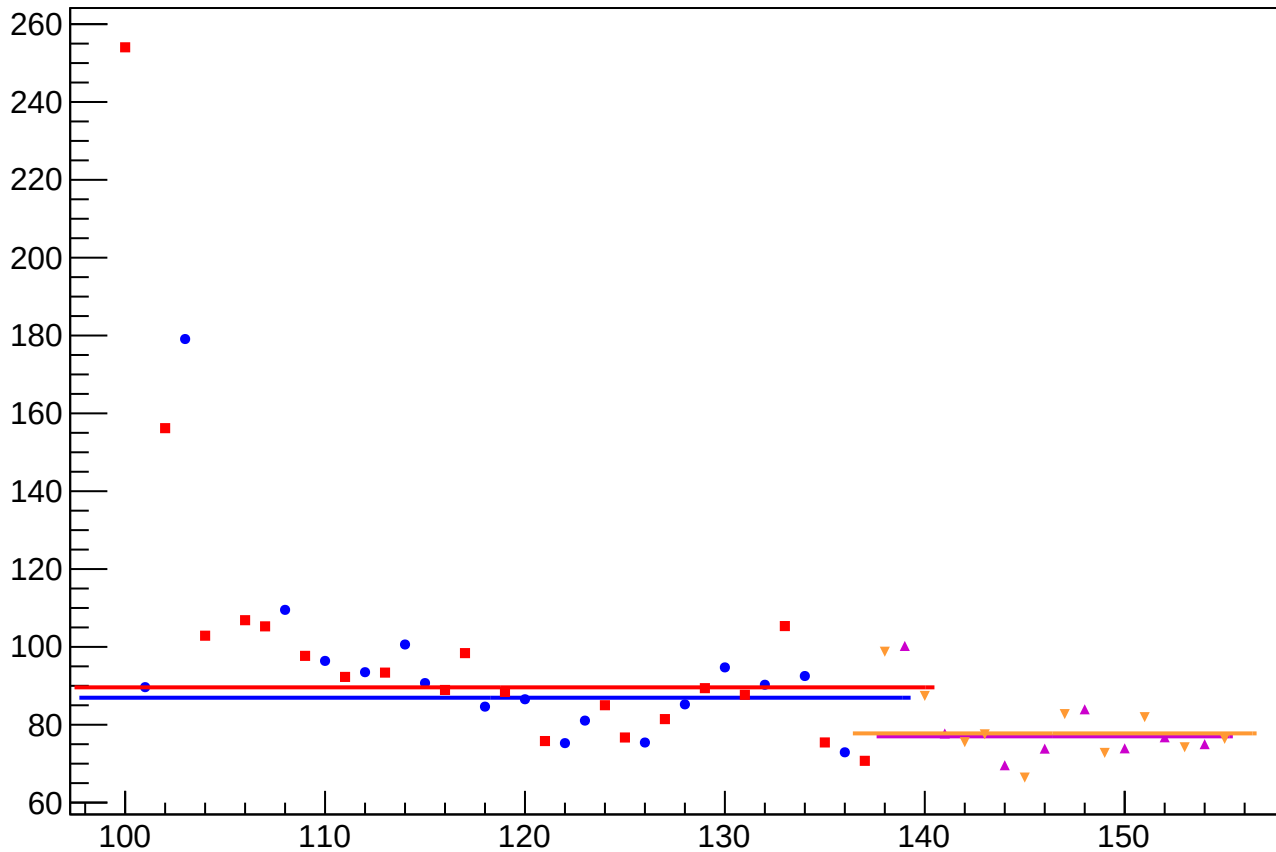
Left In: 75.483 $\pm$ 30.274 χ^2 /NDF: 4.5/7

52.293 $\pm$ 22.200 χ^2 /NDF: 27.4/26

62.978 $\pm$ 15.901 χ^2 /NDF: 49.1/54

74.235 $\pm$ 22.786 χ^2 /NDF: 21.2/27

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 86.943 ± 0.024 $\chi^2/\text{NDF}: 455809.4/16$

Left Out: 77.777 ± 0.020 $\chi^2/\text{NDF}: 149534.6/9$

Right Out: 89.607 ± 0.024 $\chi^2/\text{NDF}: 431905.8/19$

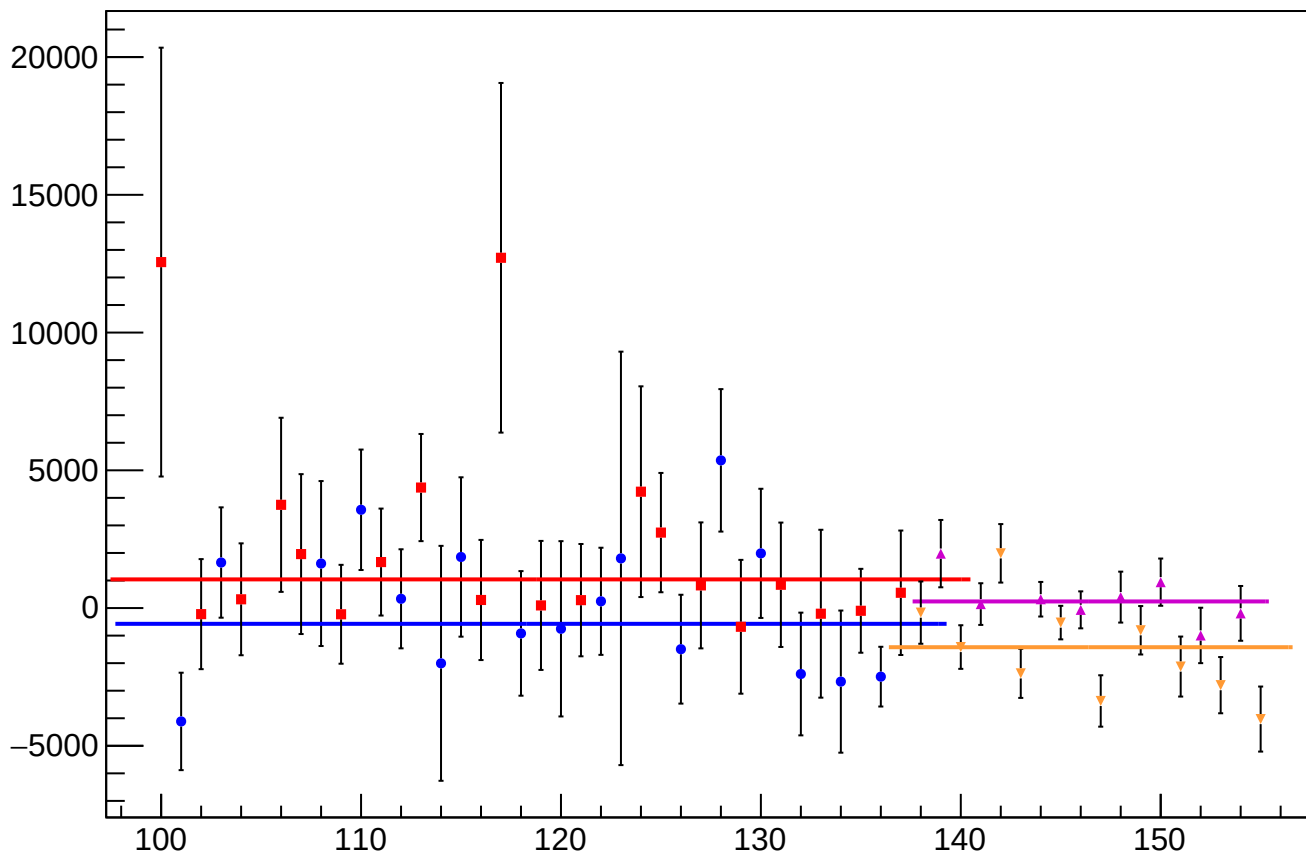
Left In: 77.018 ± 0.021 $\chi^2/\text{NDF}: 114886.3/7$

81.554 ± 0.016 $\chi^2/\text{NDF}: 687928.0/26$

82.003 ± 0.011 $\chi^2/\text{NDF}: 1386315.2/54$

82.475 ± 0.016 $\chi^2/\text{NDF}: 696711.1/27$

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



Right In: -572.342 $\pm$ 517.020 χ^2 /NDF: 21.9/16

Left Out: -1421.259 $\pm$ 286.415 χ^2 /NDF: 26.8/9

Right Out: 1040.618 $\pm$ 512.937 χ^2 /NDF: 13.5/19

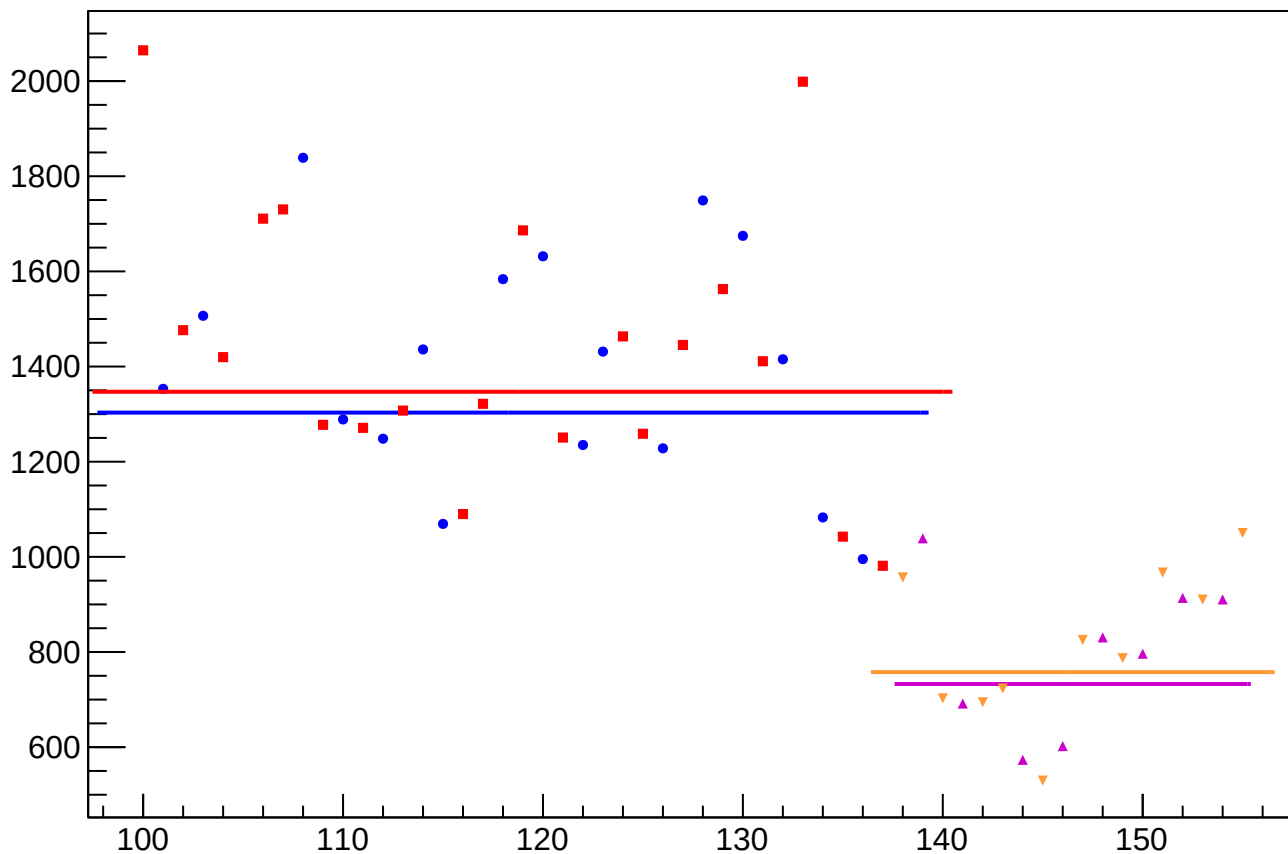
Left In: 240.100 $\pm$ 292.325 χ^2 /NDF: 4.6/7

-1221.914 $\pm$ 250.540 χ^2 /NDF: 50.8/26

-404.069 $\pm$ 178.361 χ^2 /NDF: 92.3/54

436.358 $\pm$ 253.976 χ^2 /NDF: 20.0/27

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



Right In: 1303.201 $\pm$ 0.366 χ^2 /NDF: 451961.9/16

Left Out: 757.793 $\pm$ 0.203 χ^2 /NDF: 616543.4/9

Right Out: 1347.011 $\pm$ 0.363 χ^2 /NDF: 420806.0/19

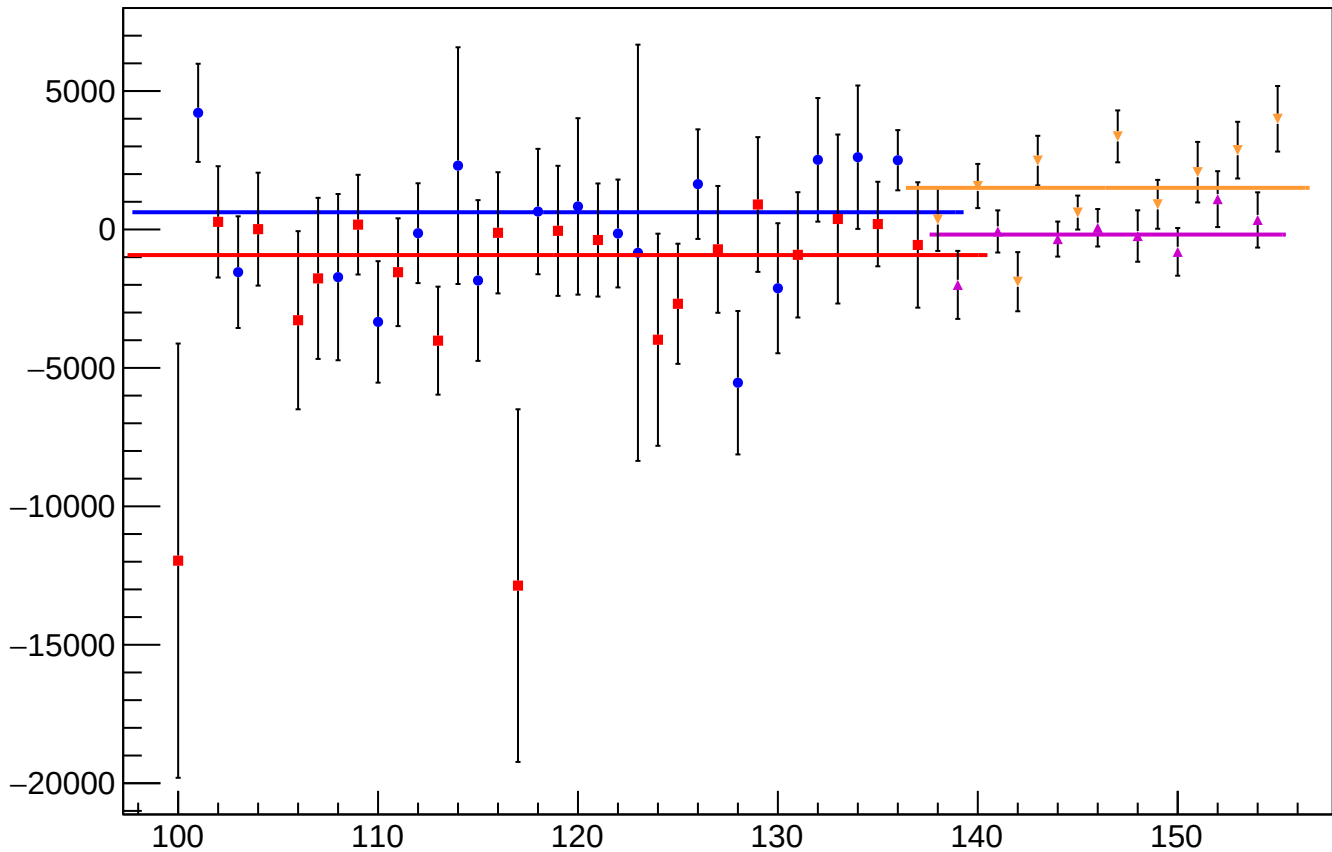
Left In: 732.744 $\pm$ 0.207 χ^2 /NDF: 498037.2/7

885.867 $\pm$ 0.177 χ^2 /NDF: 2771524.0/26

884.621 $\pm$ 0.126 χ^2 /NDF: 5855522.7/54

883.339 $\pm$ 0.180 χ^2 /NDF: 3083898.2/27

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 622.411 $\pm$ 518.496 χ^2 /NDF: 22.0/16

Left Out: 1503.959 $\pm$ 288.104 χ^2 /NDF:25.3/9

Right Out: -924.488 $\pm$ 514.636 χ^2 /NDF: 12.6/19

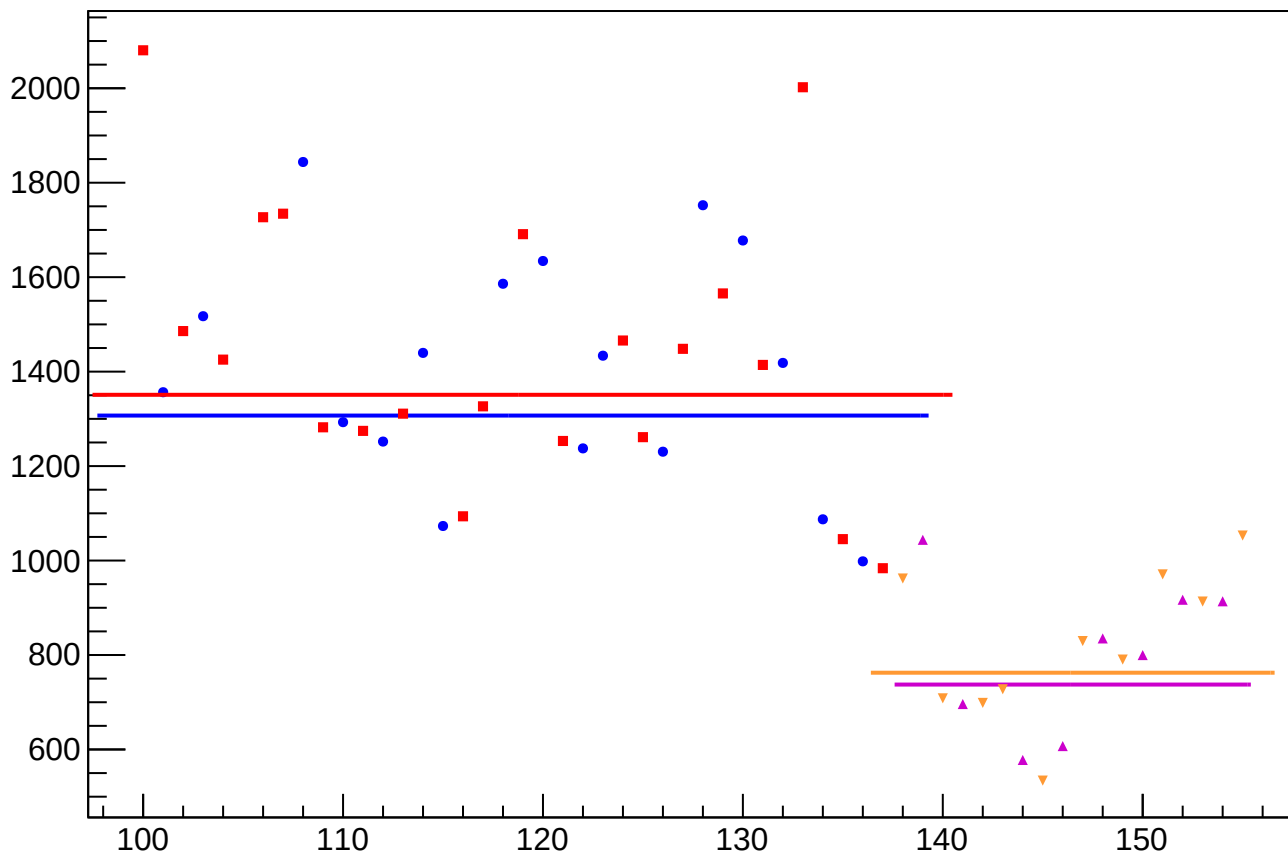
Left In: -184.005 $\pm$ 294.093 χ^2 /NDF:4.8/7

1295.992 $\pm$ 251.837 χ^2 /NDF: 49.4/26

476.333 $\pm$ 179.302 χ^2 /NDF: 89.9/54

-366.292 $\pm$ 255.341 χ^2 /NDF: 19.0/27

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1306.980+/-0.367 χ^2/NDF : 451191.7/16

Left Out: 762.528+/-0.204 χ^2/NDF : 606792.2/9

Right Out: 1350.936+/-0.364 χ^2/NDF : 421834.2/19

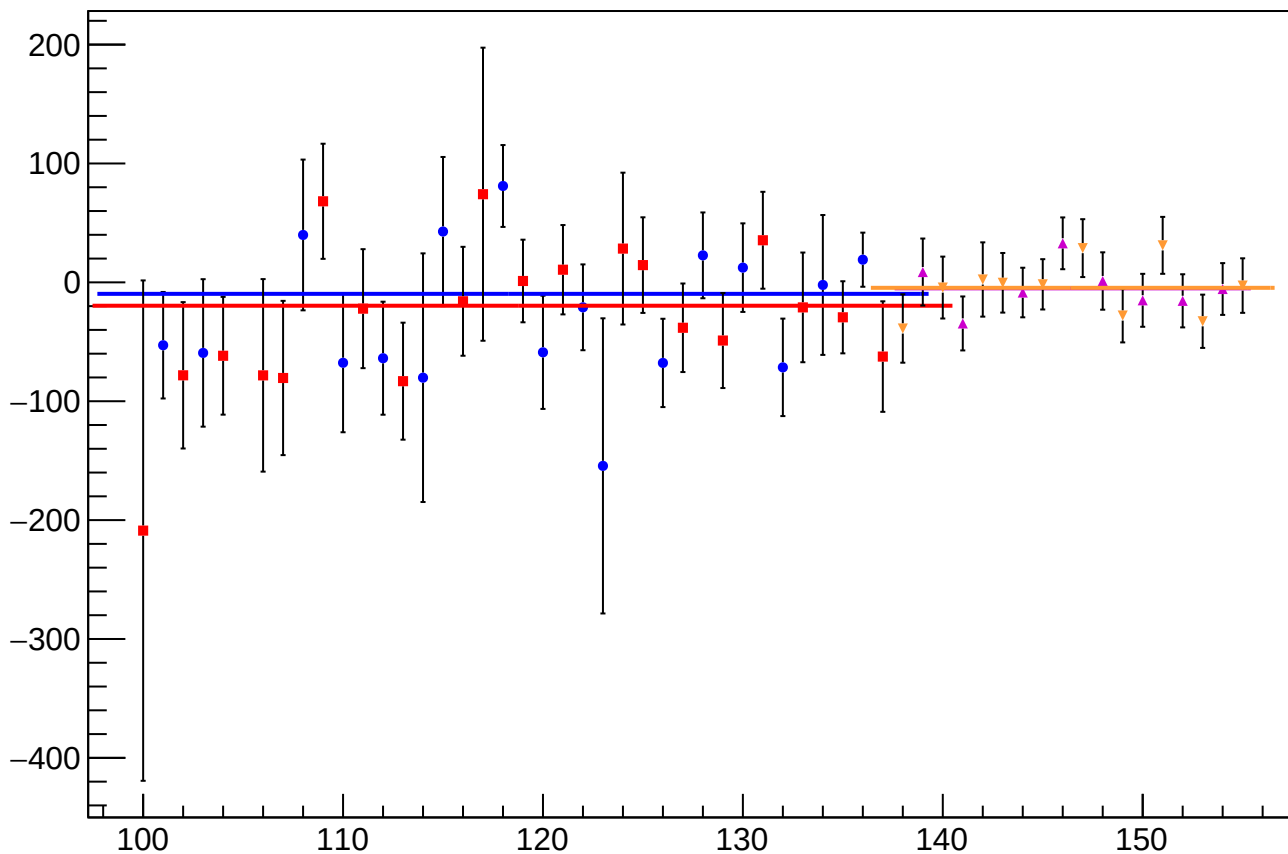
Left In: 737.424+/-0.208 χ^2/NDF : 490272.8/7

890.971+/-0.178 χ^2/NDF : 2742993.5/26

889.730+/-0.127 χ^2/NDF : 5797825.5/54

888.454+/-0.181 χ^2/NDF : 3054733.5/27

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: -4.597 ± 7.713 χ^2/NDF : 8.3/9

Right Out: -19.662 ± 10.406 χ^2/NDF : 15.2/19

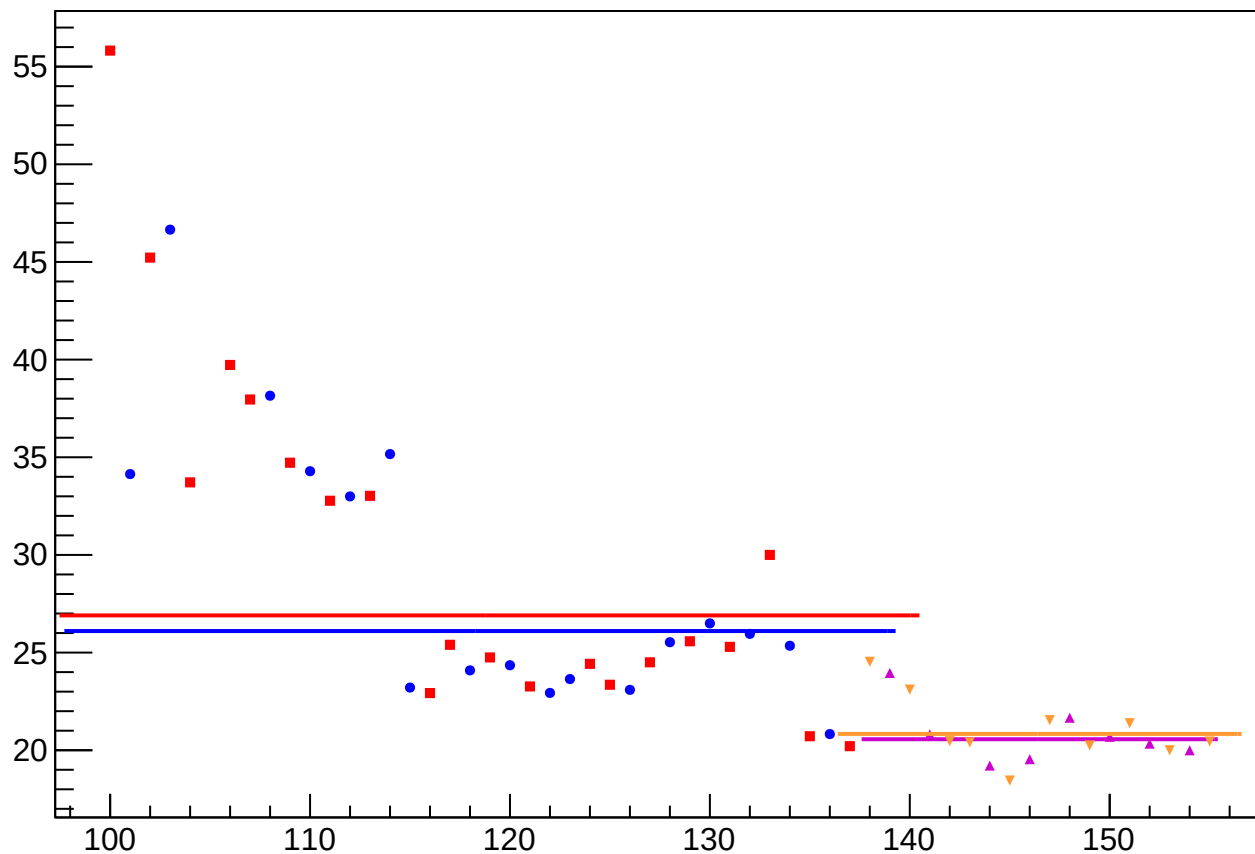
Left In: -5.054 ± 8.045 χ^2/NDF : 5.5/7

-6.395 ± 6.197 χ^2/NDF : 31.0/26

-8.402 ± 4.440 χ^2/NDF : 53.1/54

-10.519 ± 6.365 χ^2/NDF : 21.9/27

reg_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 26.103+/-0.007 χ^2/NDF : 604038.5/16

Left Out: 20.836+/-0.005 χ^2/NDF : 81841.0/9

Right Out: 26.903+/-0.007 χ^2/NDF : 679269.9/19

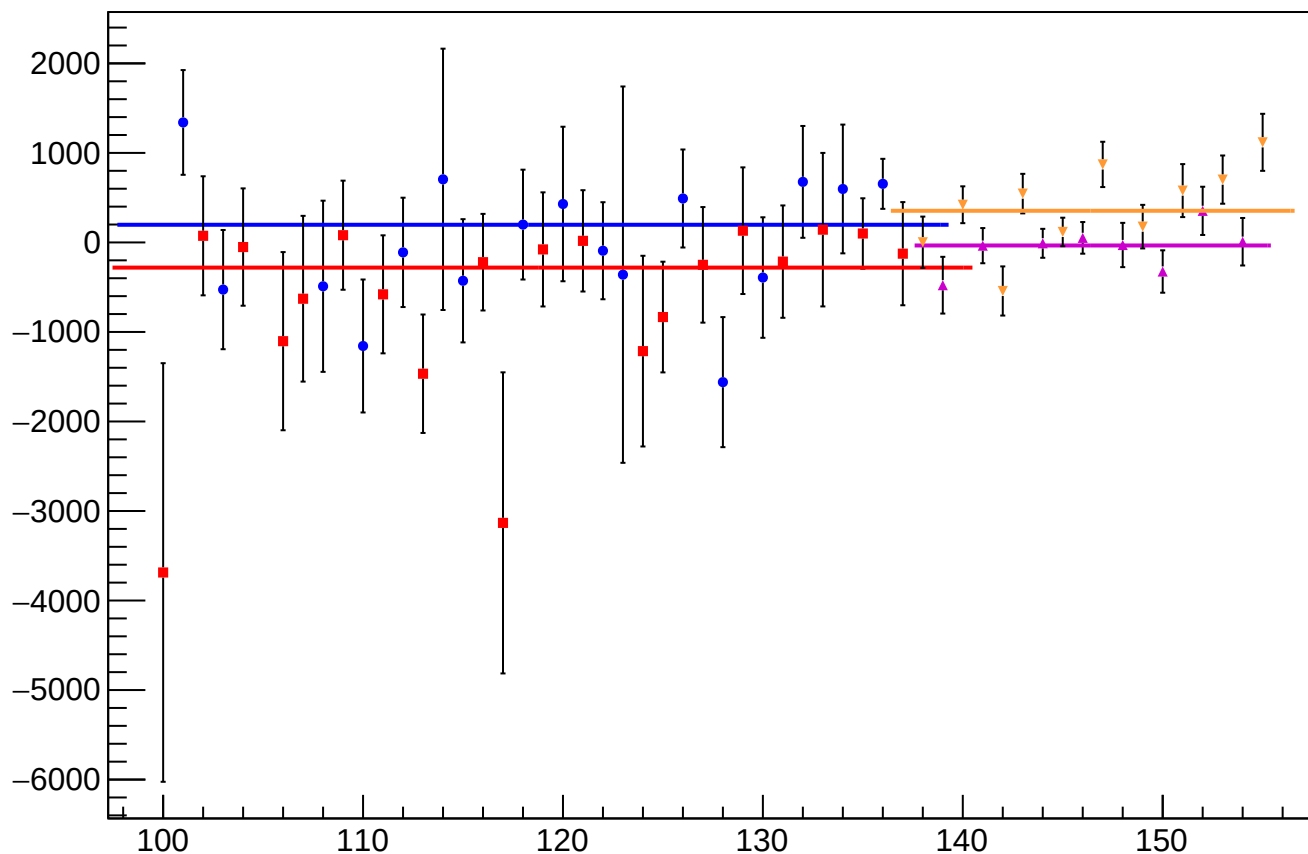
Left In: 20.564+/-0.006 χ^2/NDF : 47802.9/7

22.703+/-0.004 χ^2/NDF : 1016487.8/26

22.816+/-0.003 χ^2/NDF : 2209441.5/54

22.935+/-0.005 χ^2/NDF : 1191582.9/27

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: 353.619 $\pm$ 75.228 χ^2 /NDF: 28.0/9

Right Out: -281.185 $\pm$ 149.275 χ^2 /NDF: 13.6/19

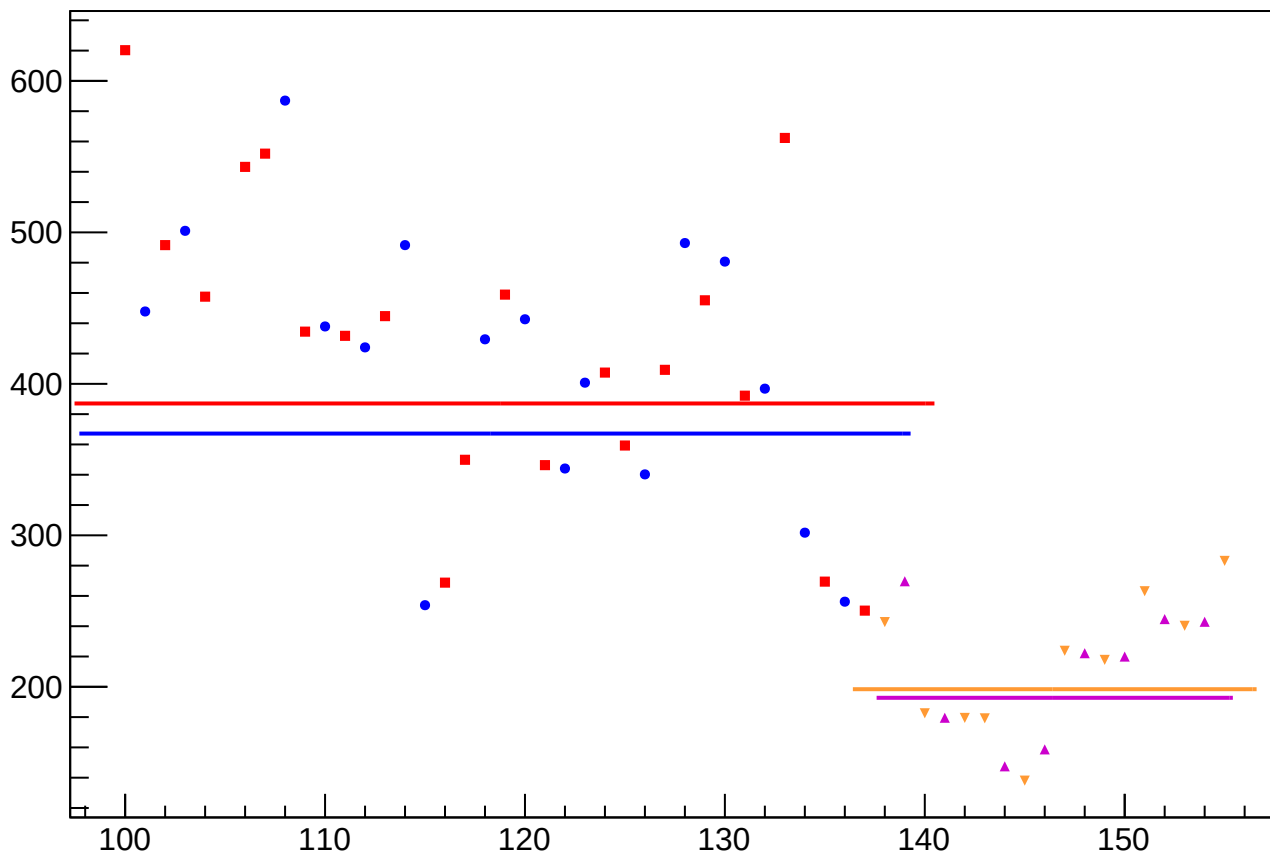
Left In: -34.012 $\pm$ 77.087 χ^2 /NDF: 5.8/7

321.489 $\pm$ 67.051 χ^2 /NDF: 49.8/26

122.055 $\pm$ 47.914 χ^2 /NDF: 89.4/54

-86.051 $\pm$ 68.494 χ^2 /NDF: 21.5/27

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: 198.418 $\pm$ 0.053 χ^2 /NDF: 690814.1/9

Right Out: 387.048 $\pm$ 0.106 χ^2 /NDF: 775547.5/19

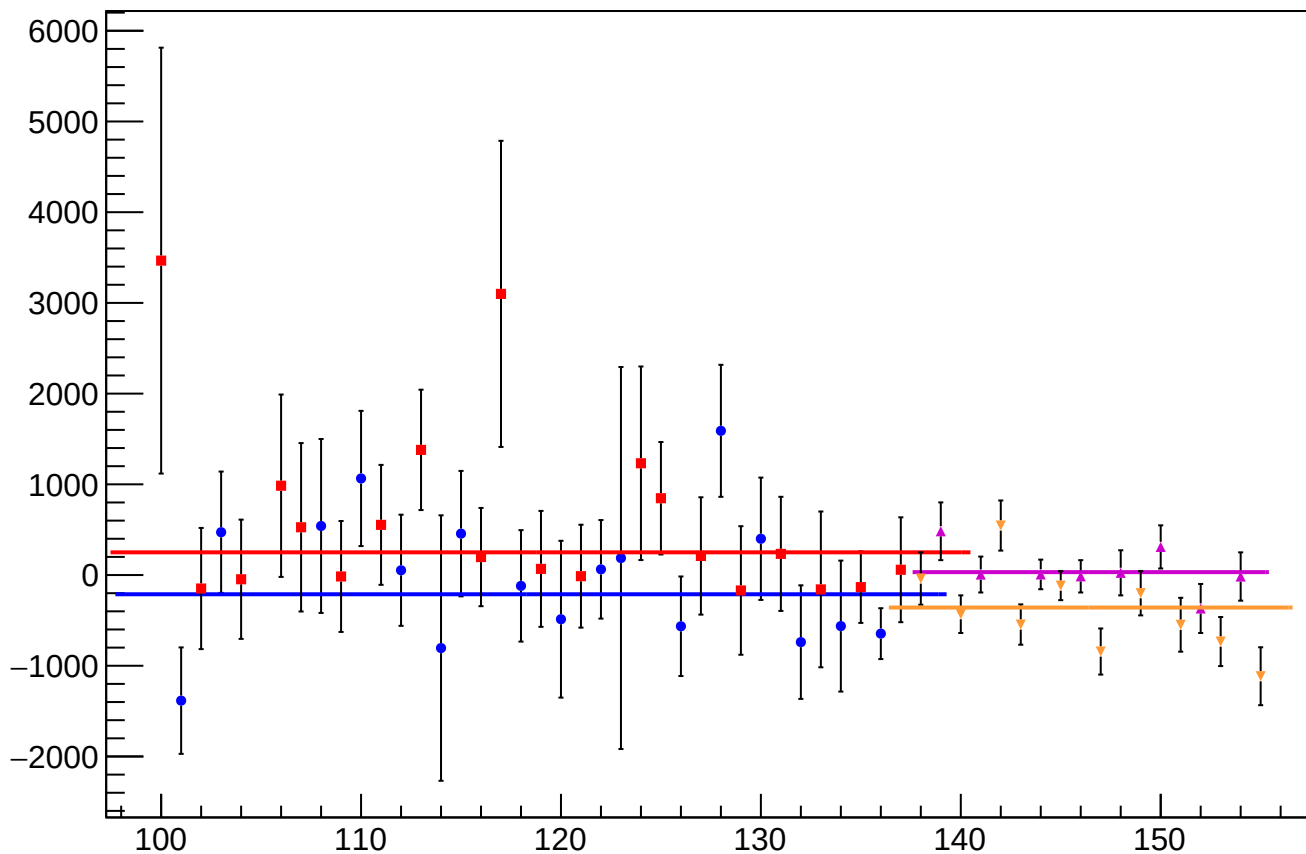
Left In: 192.743 $\pm$ 0.055 χ^2 /NDF: 558388.0/7

233.111 $\pm$ 0.047 χ^2 /NDF: 3587131.6/26

233.375 $\pm$ 0.034 χ^2 /NDF: 7596346.6/54

233.651 $\pm$ 0.048 χ^2 /NDF: 4009151.7/27

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -211.859 ± 148.316 χ^2/NDF : 21.0/16

Left Out: -358.117 ± 75.696 χ^2/NDF : 27.0/9

Right Out: 250.443 ± 149.724 χ^2/NDF : 12.9/19

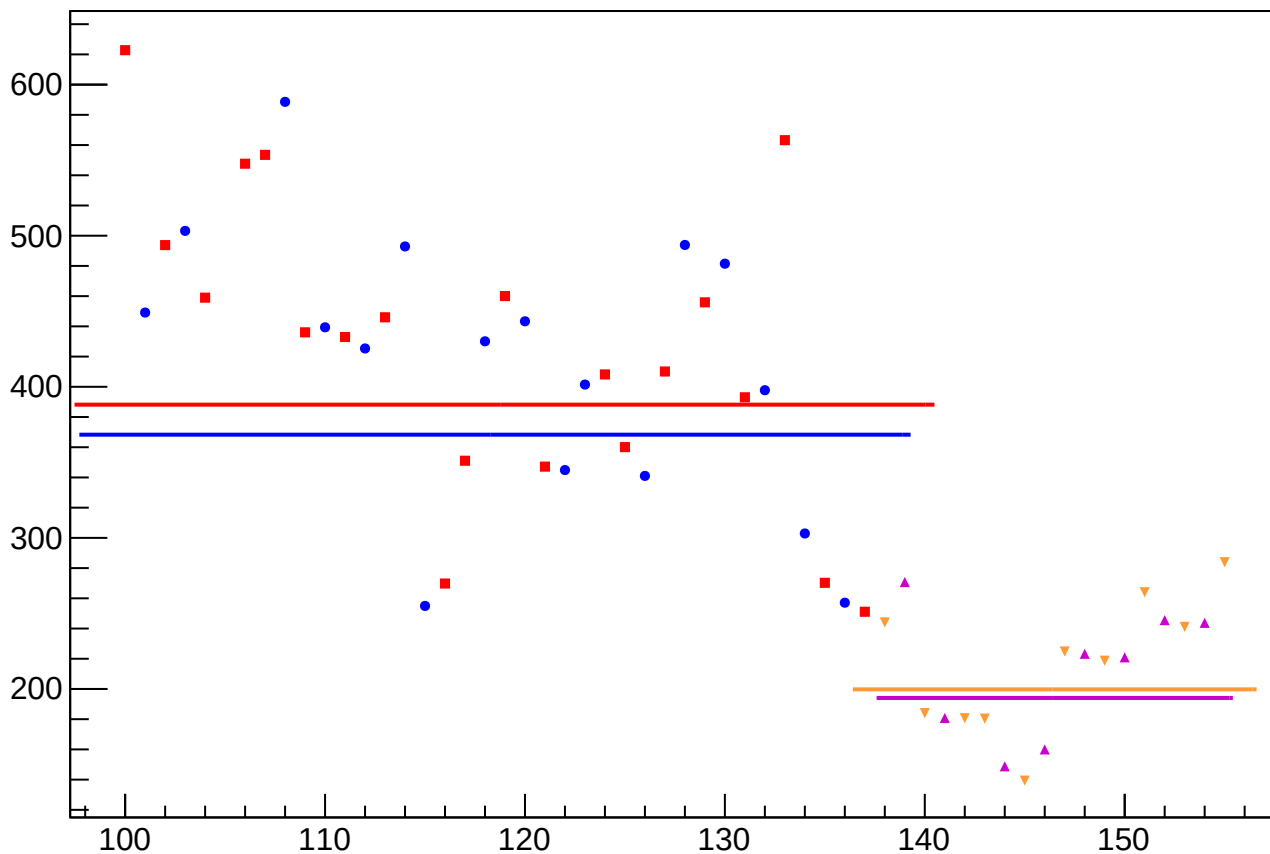
Left In: 32.055 ± 77.573 χ^2/NDF : 5.7/7

-327.893 ± 67.422 χ^2/NDF : 48.8/26

-129.147 ± 48.181 χ^2/NDF : 86.9/54

78.272 ± 68.878 χ^2/NDF : 20.3/27

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 368.302 +/- 0.105 χ^2/NDF : 824619.2/16

Left Out: 199.754 +/- 0.054 χ^2/NDF : 678001.8/9

Right Out: 388.178 +/- 0.106 χ^2/NDF : 775692.7/19

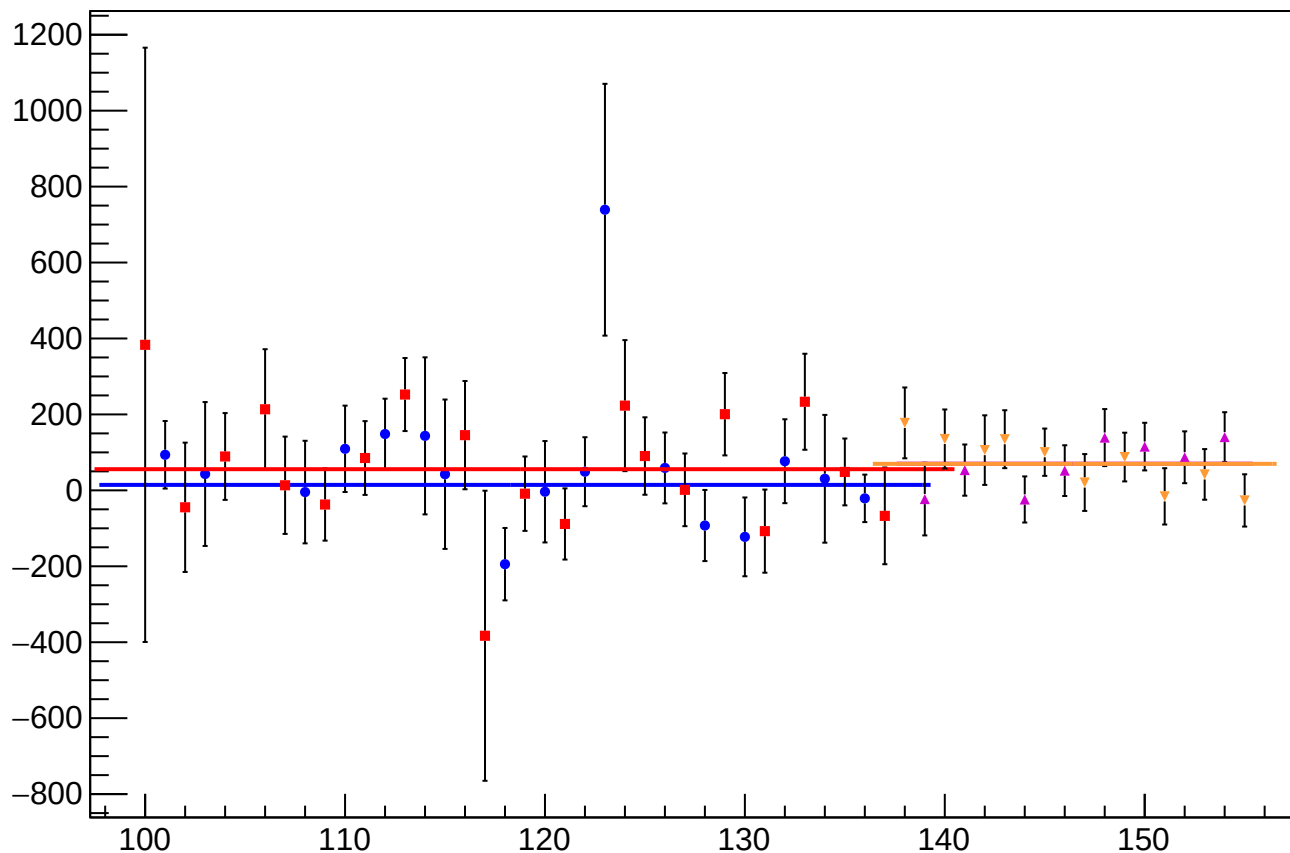
Left In: 194.050 +/- 0.055 χ^2/NDF : 547937.8/7

234.584 +/- 0.048 χ^2/NDF : 3551741.5/26

234.852 +/- 0.034 χ^2/NDF : 7526114.5/54

235.133 +/- 0.049 χ^2/NDF : 3974308.1/27

reg_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 14.385+/-26.334 χ^2/NDF : 17.7/16

Left Out: 69.825+/-23.137 χ^2/NDF : 7.1/9

Right Out: 55.744+/-26.060 χ^2/NDF : 19.7/19

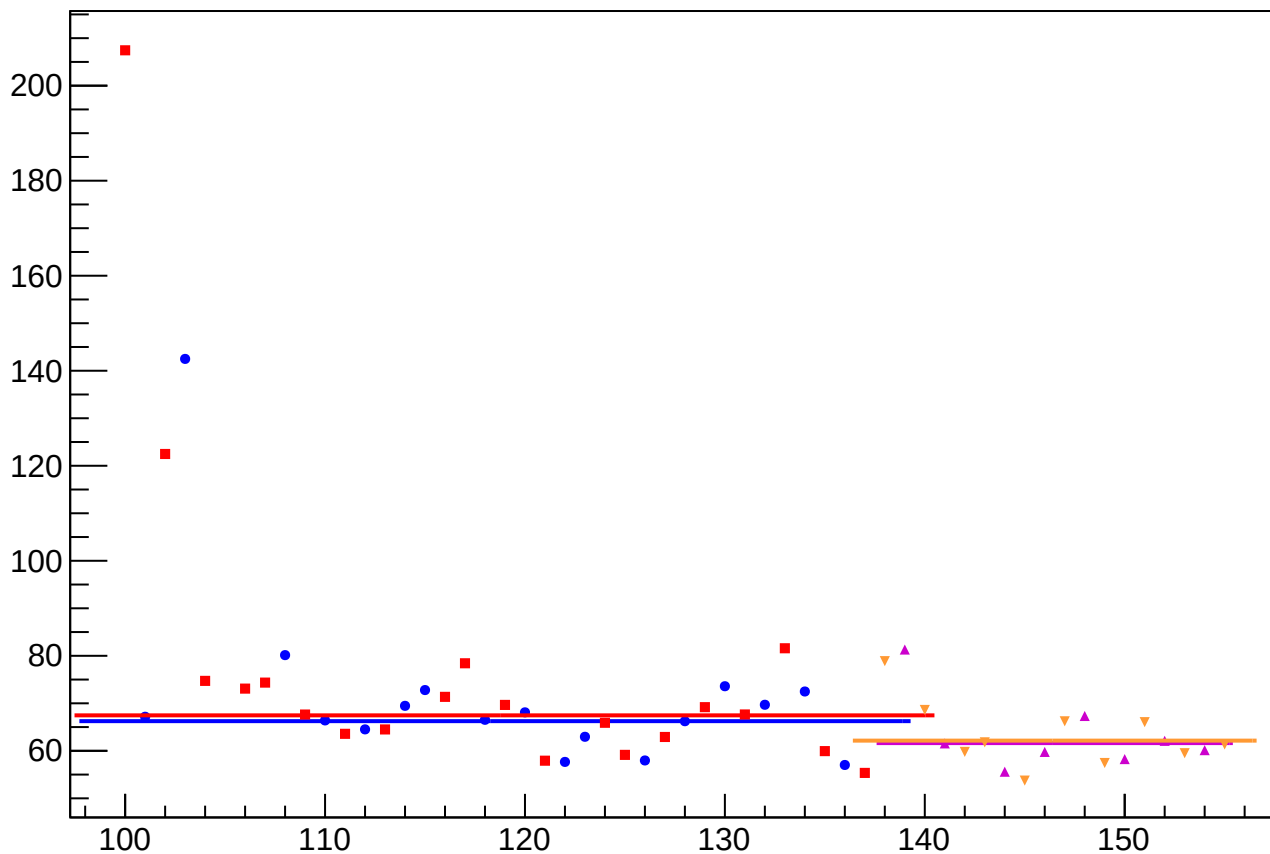
Left In: 70.258+/-24.232 χ^2/NDF : 6.0/7

45.673+/-17.381 χ^2/NDF : 27.3/26

54.415+/-12.417 χ^2/NDF : 53.8/54

63.528+/-17.746 χ^2/NDF : 26.0/27

reg_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 66.247 ± 0.019 χ^2/NDF : 440944.2/16

Left Out: 62.147 ± 0.016 χ^2/NDF : 141529.4/9

Right Out: 67.466 ± 0.018 χ^2/NDF : 395262.8/19

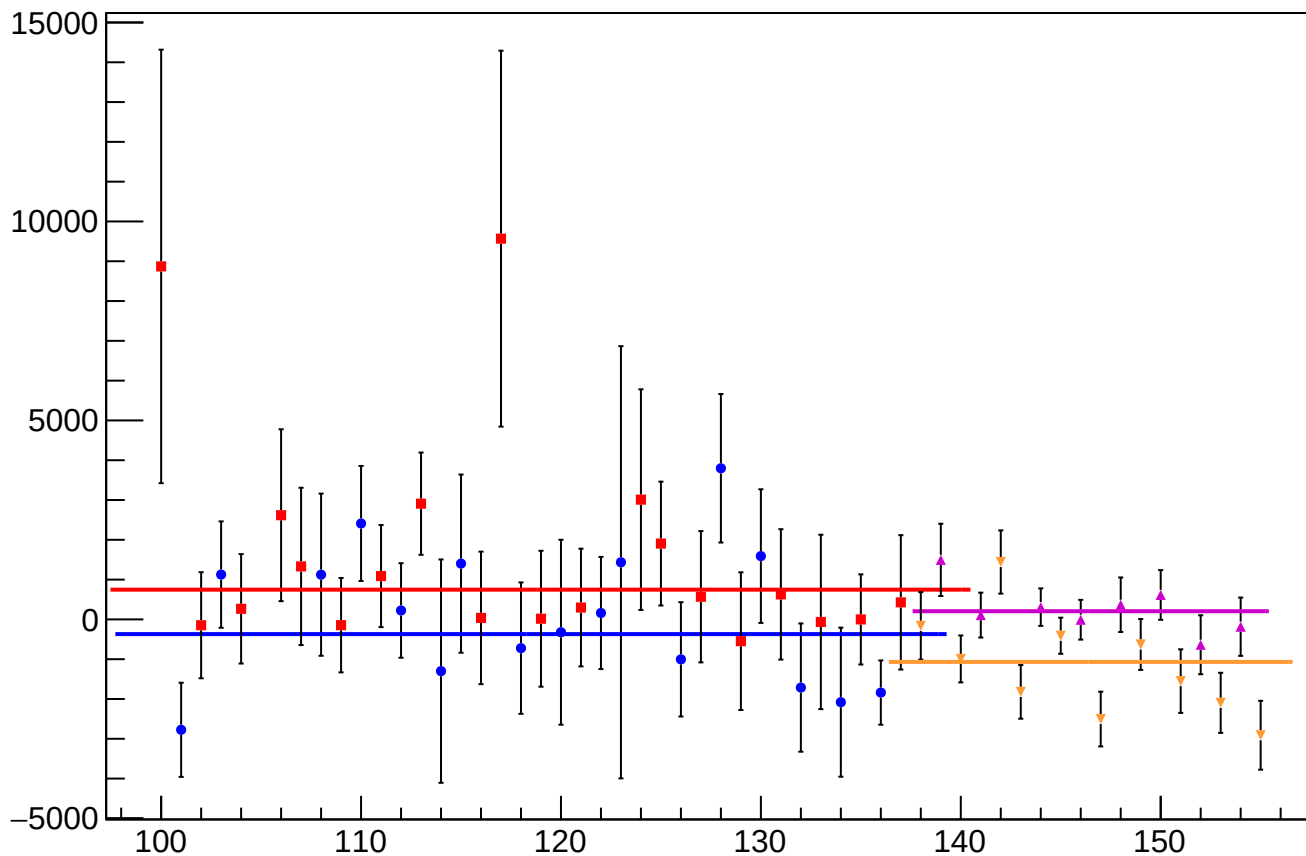
Left In: 61.628 ± 0.017 χ^2/NDF : 124337.9/7

63.933 ± 0.012 χ^2/NDF : 609836.4/26

64.130 ± 0.009 χ^2/NDF : 1183795.1/54

64.335 ± 0.013 χ^2/NDF : 573434.6/27

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



Right In: -369.546 ± 366.432 $\chi^2/\text{NDF}: 22.3/16$

Left Out: -1068.246 ± 212.627 $\chi^2/\text{NDF}: 26.1/9$

Right Out: 747.208 ± 360.830 $\chi^2/\text{NDF}: 13.4/19$

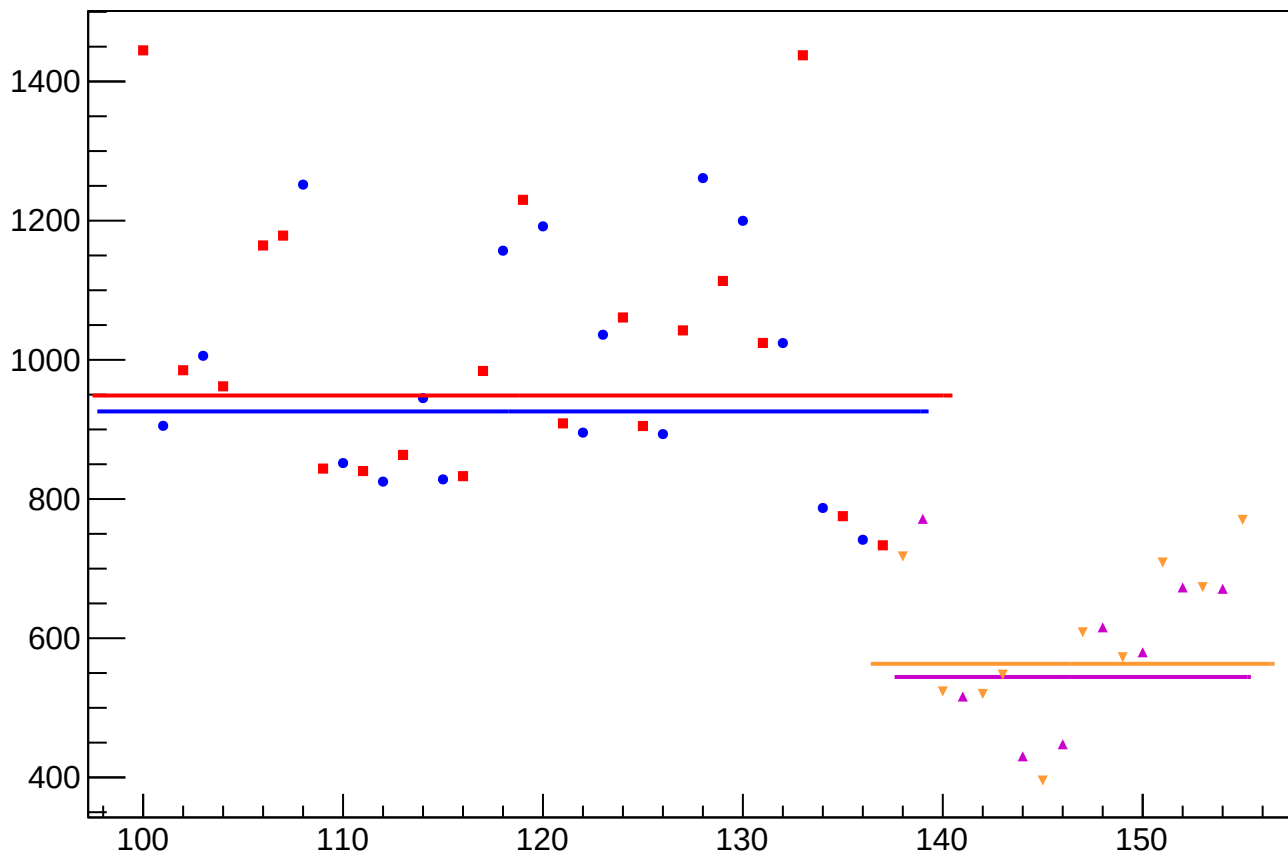
Left In: 205.587 ± 216.923 $\chi^2/\text{NDF}: 4.3/7$

-892.249 ± 183.908 $\chi^2/\text{NDF}: 51.1/26$

-278.171 ± 130.746 $\chi^2/\text{NDF}: 93.1/54$

349.371 ± 185.913 $\chi^2/\text{NDF}: 19.4/27$

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



Right In: 925.885+/-0.259 χ^2/NDF : 391084.5/16

Left Out: 563.242+/-0.150 χ^2/NDF : 587883.7/9

Right Out: 948.760+/-0.255 χ^2/NDF : 382044.0/19

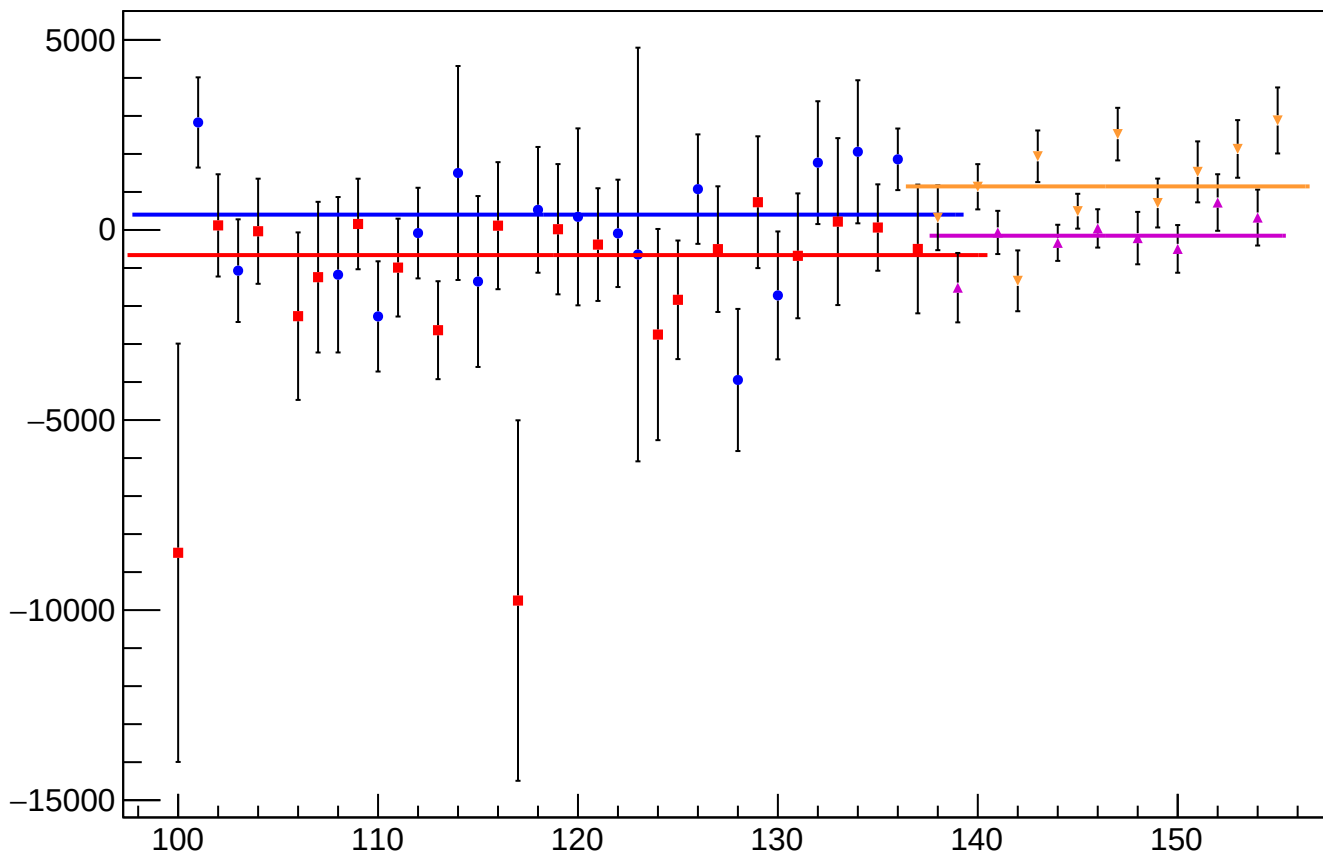
Left In: 544.341+/-0.153 χ^2/NDF : 470754.1/7

654.589+/-0.130 χ^2/NDF : 2444396.8/26

653.161+/-0.092 χ^2/NDF : 5142865.3/54

651.702+/-0.131 χ^2/NDF : 2698224.8/27

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 403.591 $\pm$ 367.686 χ^2 /NDF: 22.4/16

Left Out: 1146.279 $\pm$ 214.066 χ^2 /NDF:24.3/9

Right Out: -660.630 $\pm$ 362.265 χ^2 /NDF: 12.5/19

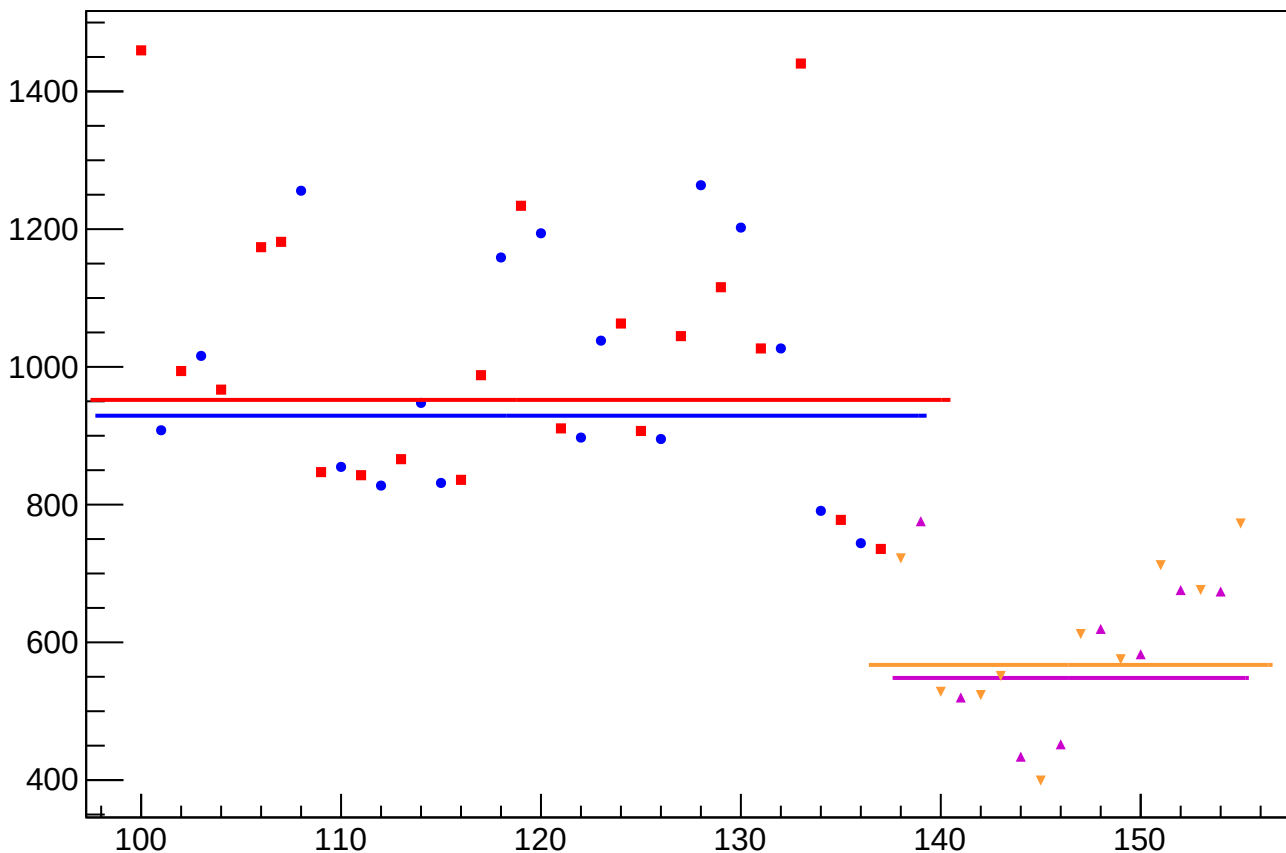
Left In: -150.907 $\pm$ 218.434 χ^2 /NDF:4.7/7

958.267 $\pm$ 184.997 χ^2 /NDF: 49.8/26

342.630 $\pm$ 131.536 χ^2 /NDF: 90.8/54

-286.815 $\pm$ 187.060 χ^2 /NDF: 18.7/27

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 929.096 $\pm$ 0.260 χ^2 /NDF: 390292.1/16

Left Out: 567.274 $\pm$ 0.151 χ^2 /NDF: 576966.3/9

Right Out: 952.057 $\pm$ 0.256 χ^2 /NDF: 382334.5/19

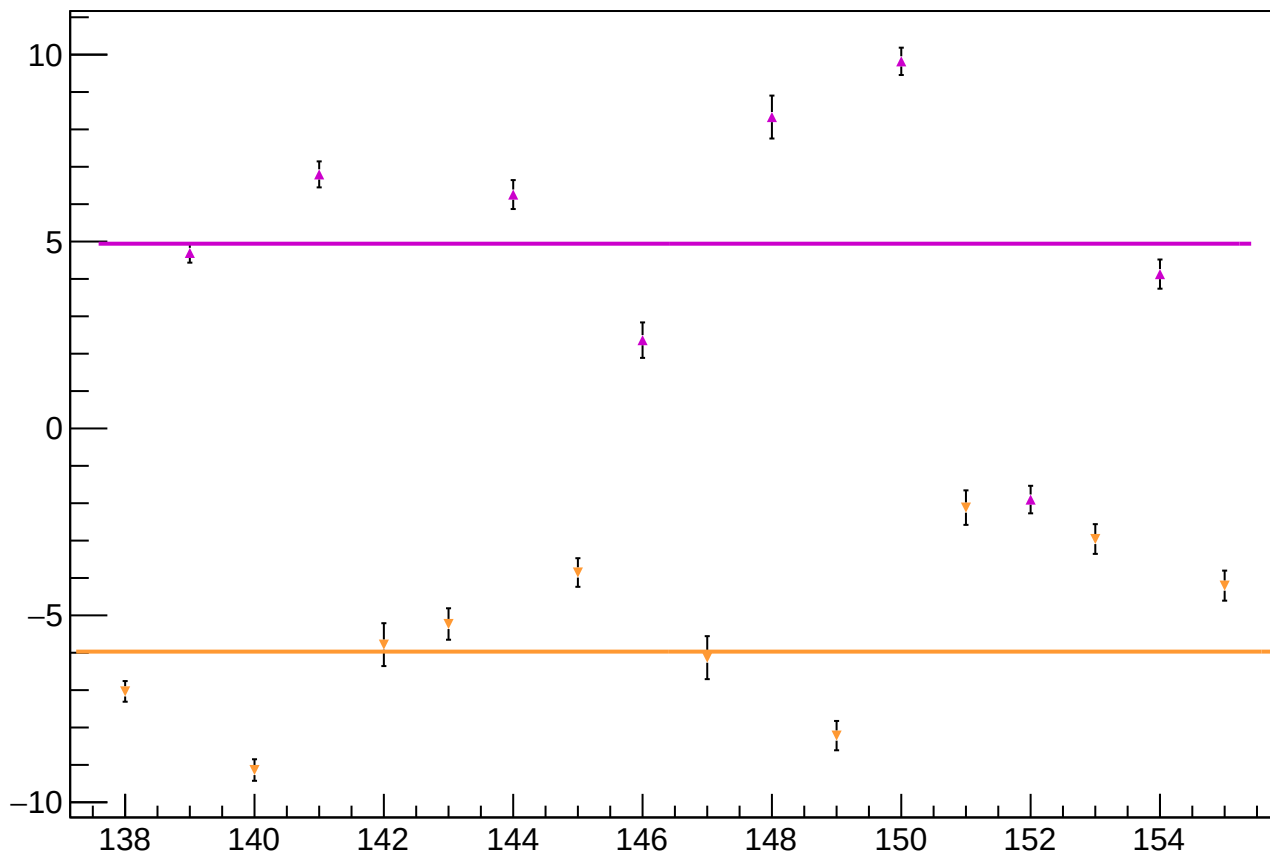
Left In: 548.330 $\pm$ 0.154 χ^2 /NDF: 462469.4/7

658.869 $\pm$ 0.131 χ^2 /NDF: 2413704.1/26

657.438 $\pm$ 0.093 χ^2 /NDF: 5080442.5/54

655.976 $\pm$ 0.132 χ^2 /NDF: 2666496.6/27

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -5.970+/-0.122 χ^2/NDF : 348.5/9

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

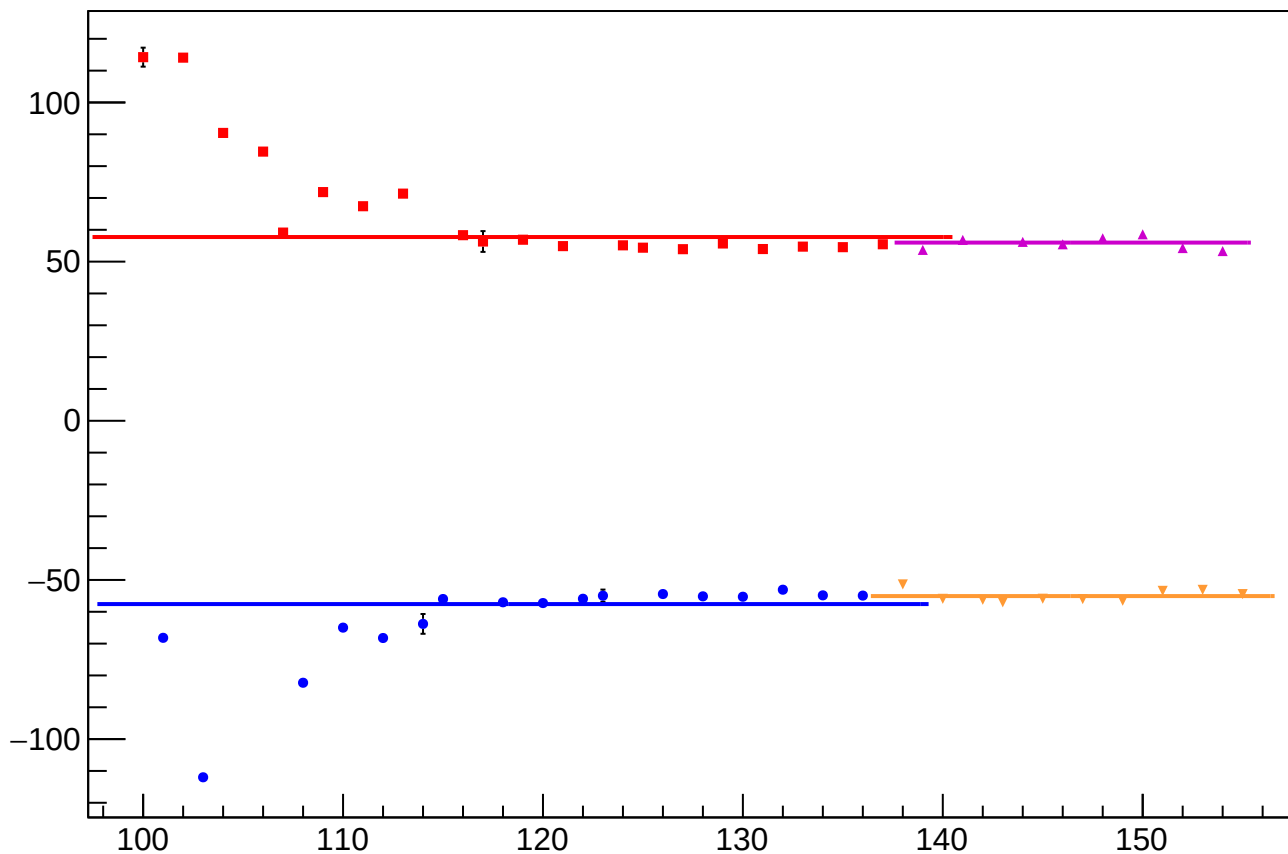
Left In: 4.942+/-0.131 χ^2/NDF : 632.8/7

-5.970+/-0.122 χ^2/NDF : 348.5/9

-0.895+/-0.089 χ^2/NDF : 4710.6/17

4.942+/-0.131 χ^2/NDF : 632.8/7

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.581 ± 0.143 χ^2/NDF : 3455.5/16

Left Out: -55.069 ± 0.090 χ^2/NDF : 338.5/9

Right Out: 57.730 ± 0.143 χ^2/NDF : 4698.7/19

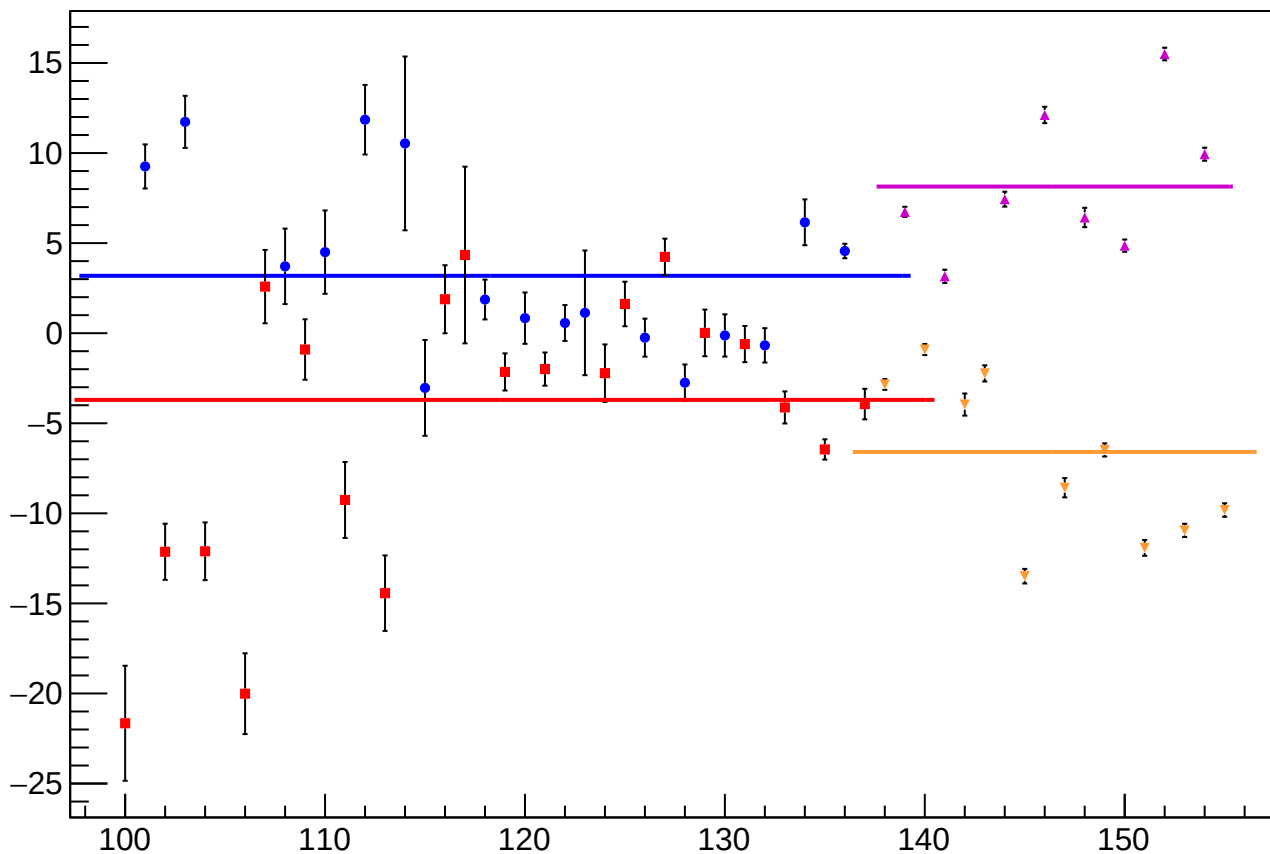
Left In: 55.978 ± 0.100 χ^2/NDF : 307.4/7

-55.785 ± 0.076 χ^2/NDF : 4014.4/26

-3.697 ± 0.056 χ^2/NDF : 1011512.9/54

56.558 ± 0.082 χ^2/NDF : 5106.7/27

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.185 ± 0.259 χ^2/NDF : 185.8/16

Left Out: -6.592 ± 0.123 χ^2/NDF : 1274.8/9

Right Out: -3.702 ± 0.267 χ^2/NDF : 326.8/19

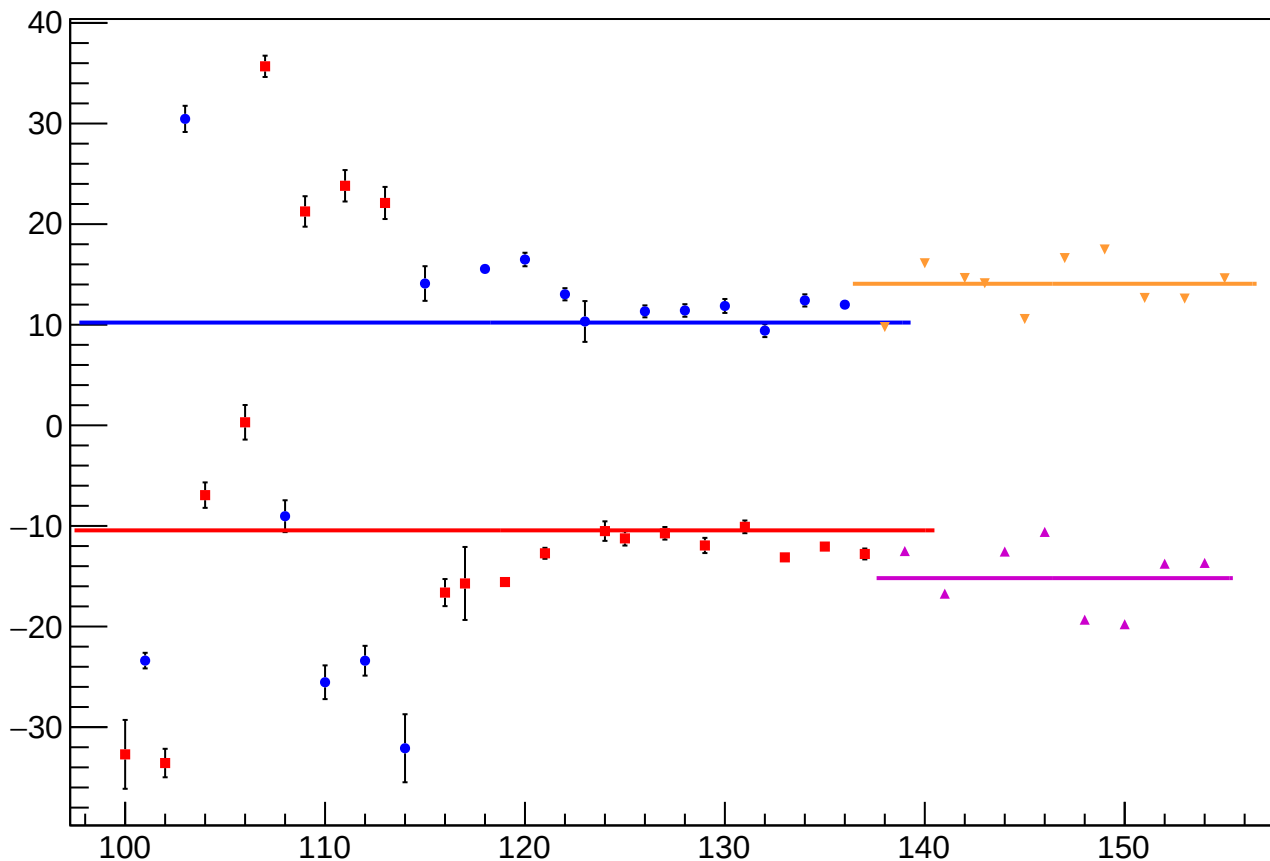
Left In: 8.139 ± 0.131 χ^2/NDF : 848.1/7

-4.789 ± 0.111 χ^2/NDF : 2622.9/26

0.224 ± 0.081 χ^2/NDF : 9686.1/54

5.839 ± 0.118 χ^2/NDF : 2758.1/27

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.215+/-0.158 χ^2 /NDF: 3692.6/16

Left Out: 14.072+/-0.108 χ^2 /NDF: 501.9/9

Right Out: -10.440+/-0.160 χ^2 /NDF: 3829.1/19

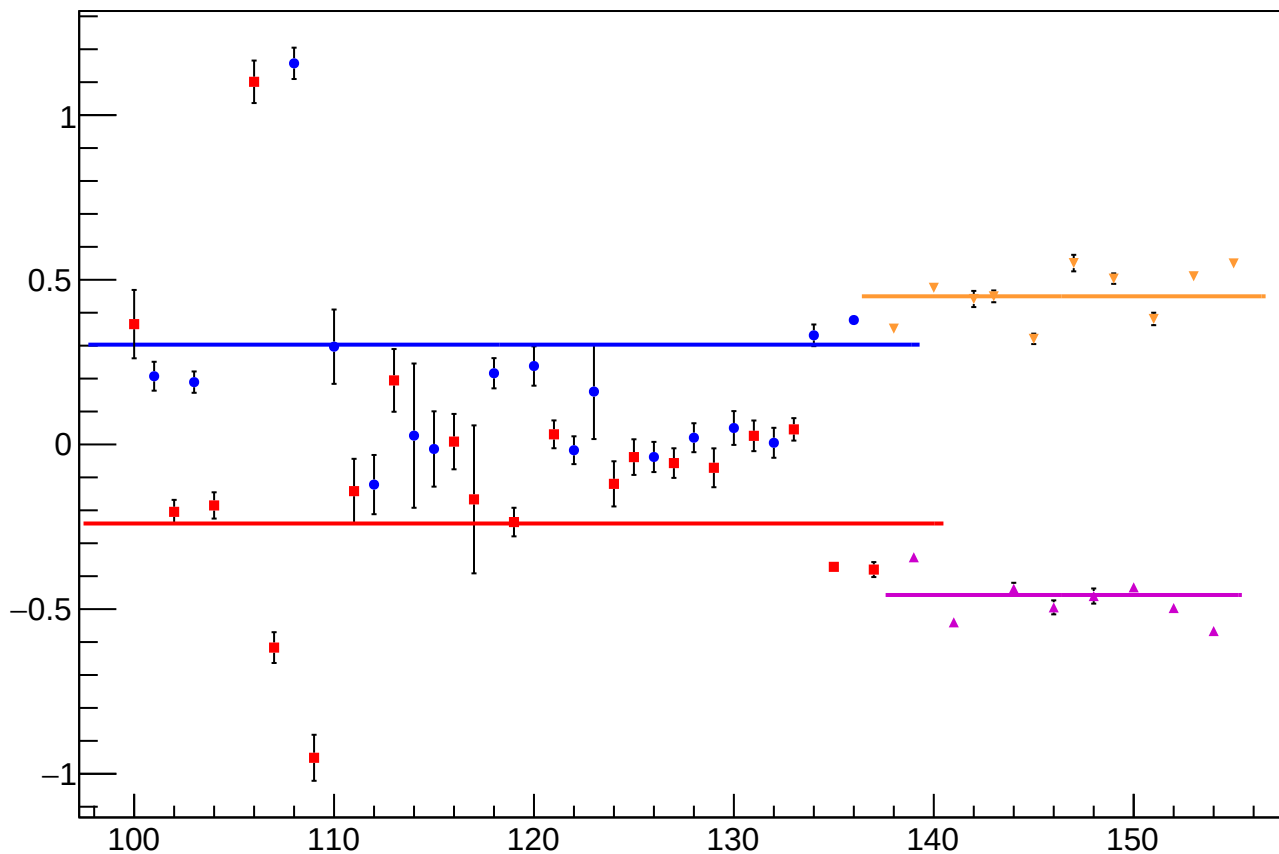
Left In: -15.189+/-0.119 χ^2 /NDF: 679.5/7

12.847+/-0.089 χ^2 /NDF: 4600.7/26

0.585+/-0.065 χ^2 /NDF: 50355.3/54

-13.495+/-0.095 χ^2 /NDF: 5076.0/27

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.303 ± 0.008 χ^2/NDF : 646.3/16

Left Out: 0.450 ± 0.005 χ^2/NDF : 264.4/9

Right Out: -0.240 ± 0.009 χ^2/NDF : 984.5/19

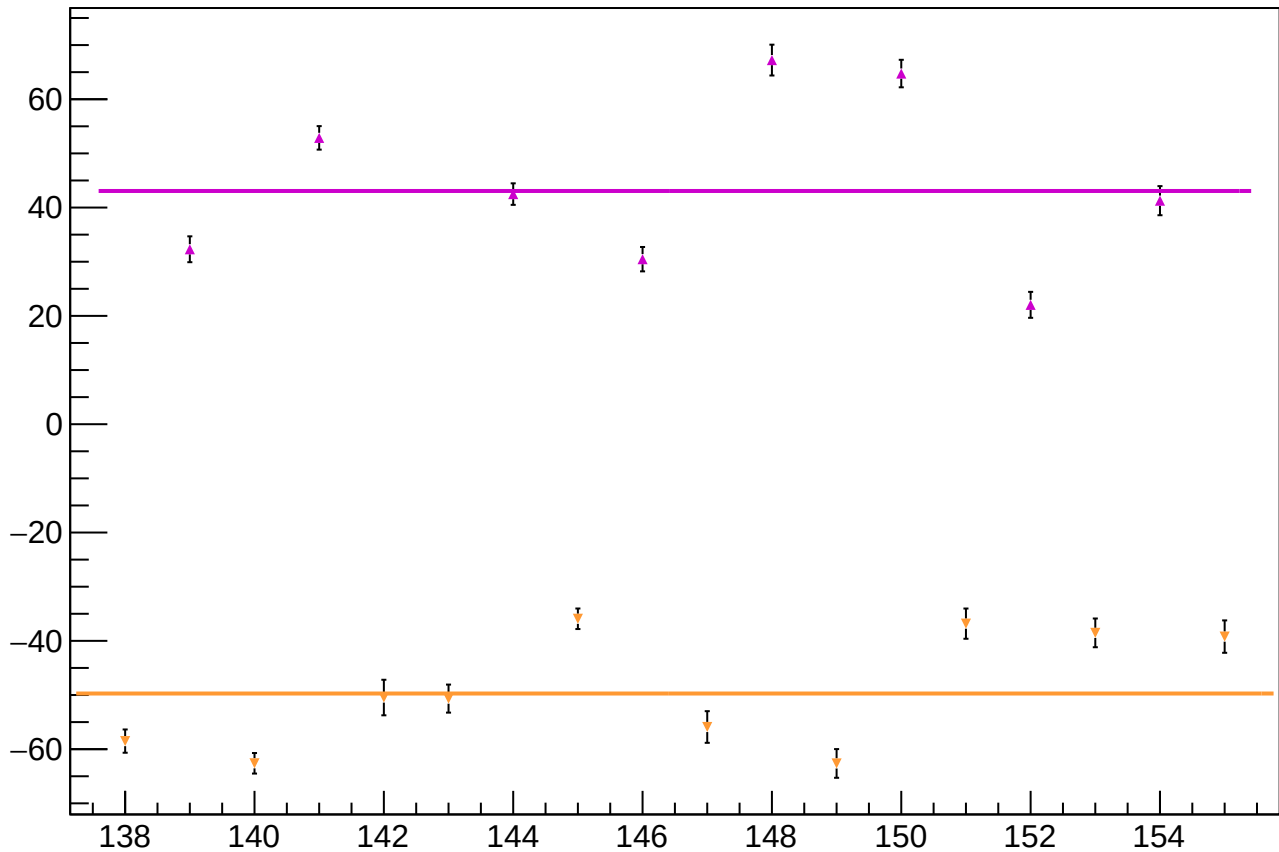
Left In: -0.457 ± 0.005 χ^2/NDF : 253.4/7

0.412 ± 0.004 χ^2/NDF : 1146.6/26

0.025 ± 0.003 χ^2/NDF : 20631.7/54

-0.399 ± 0.004 χ^2/NDF : 1713.7/27

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -49.722+/-0.777 χ^2/NDF :195.8/9

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

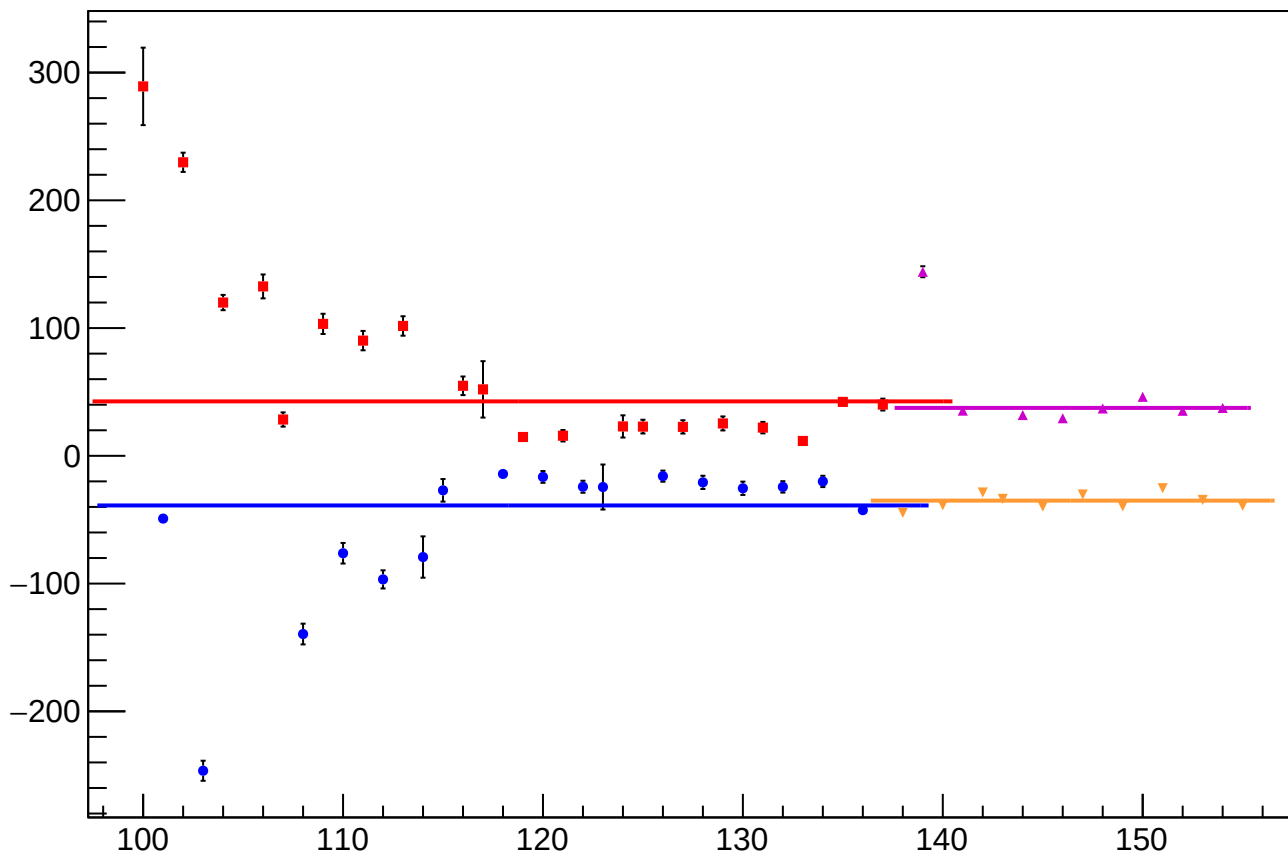
Left In: 43.061+/-0.836 χ^2/NDF :294.5/7

-49.722+/-0.777 χ^2/NDF : 195.8/9

-6.751+/-0.569 χ^2/NDF : 7096.7/17

43.061+/-0.836 χ^2/NDF : 294.5/7

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -38.844 ± 1.148 $\chi^2/\text{NDF}: 1121.9/16$

Left Out: -35.066 ± 0.544 $\chi^2/\text{NDF}: 103.3/9$

Right Out: 42.614 ± 1.208 $\chi^2/\text{NDF}: 1345.9/19$

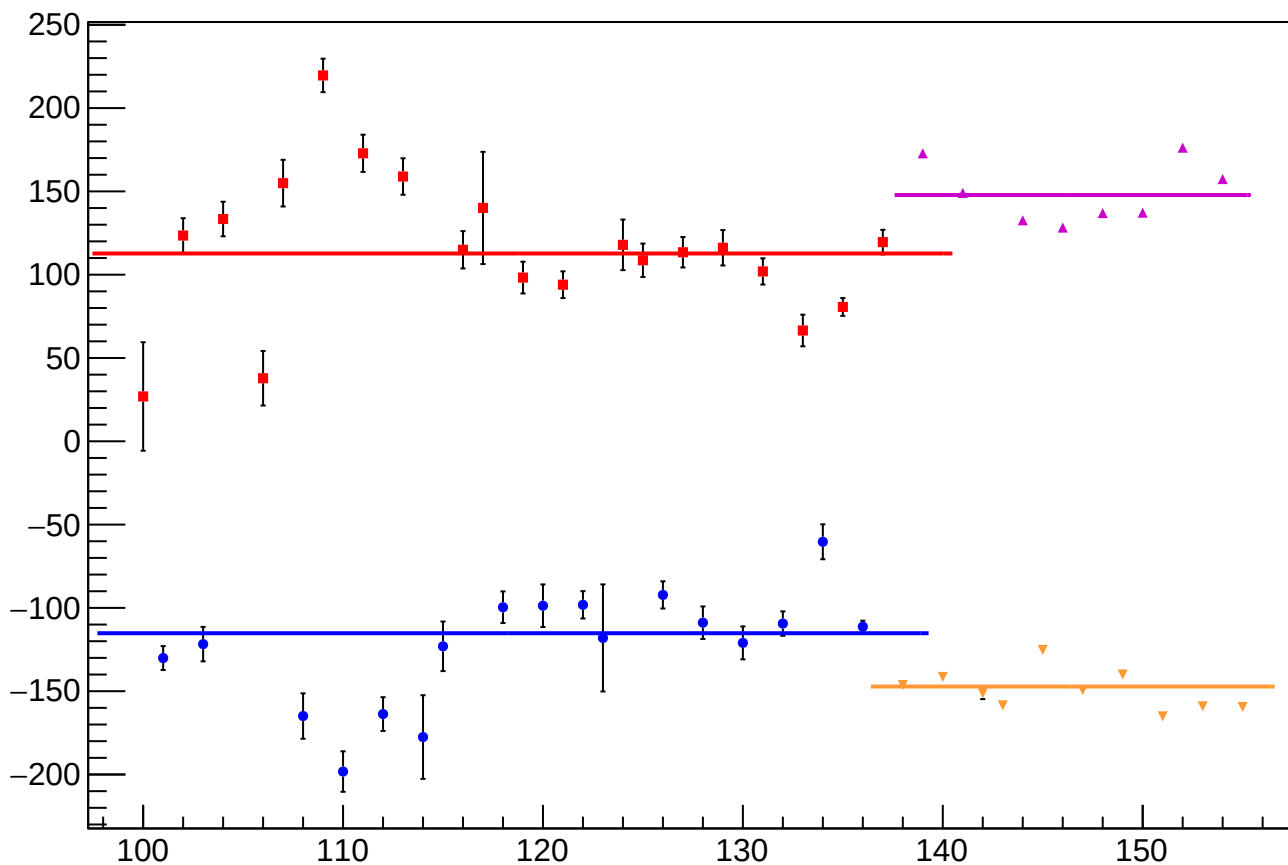
Left In: 37.514 ± 0.582 $\chi^2/\text{NDF}: 698.5/7$

-35.758 ± 0.492 $\chi^2/\text{NDF}: 1234.0/26$

-1.010 ± 0.359 $\chi^2/\text{NDF}: 13966.9/54$

38.473 ± 0.524 $\chi^2/\text{NDF}: 2058.8/27$

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: -147.195 ± 0.786 $\chi^2/\text{NDF}: 241.4/9$

Right Out: 112.729 ± 2.205 $\chi^2/\text{NDF}: 273.1/19$

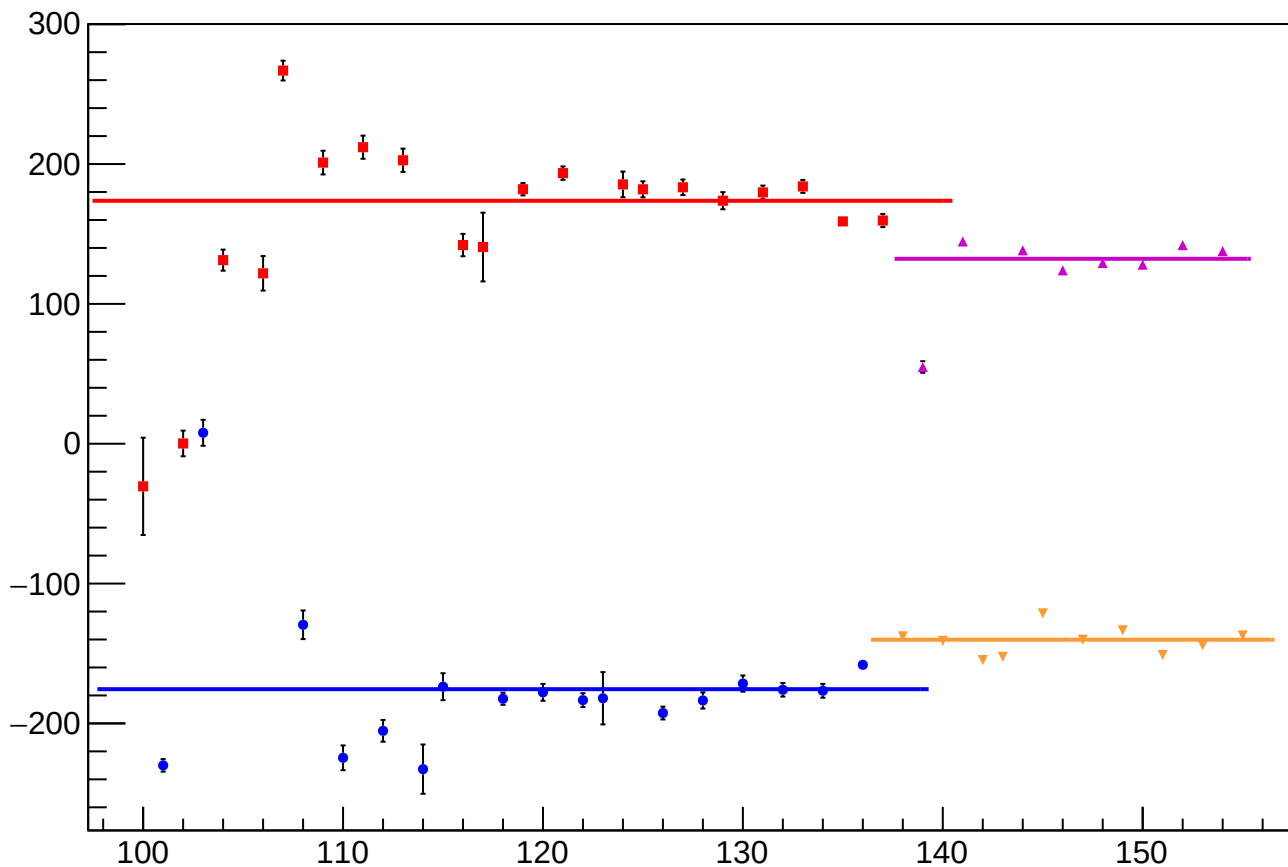
Left In: 147.808 ± 0.833 $\chi^2/\text{NDF}: 431.4/7$

-143.200 ± 0.735 $\chi^2/\text{NDF}: 589.0/26$

-8.183 ± 0.535 $\chi^2/\text{NDF}: 73065.7/54$

143.425 ± 0.779 $\chi^2/\text{NDF}: 926.1/27$

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: -140.147 $\pm$ 0.661 χ^2/NDF : 224.0/9

Right Out: 173.729 $\pm$ 1.354 χ^2/NDF : 739.7/19

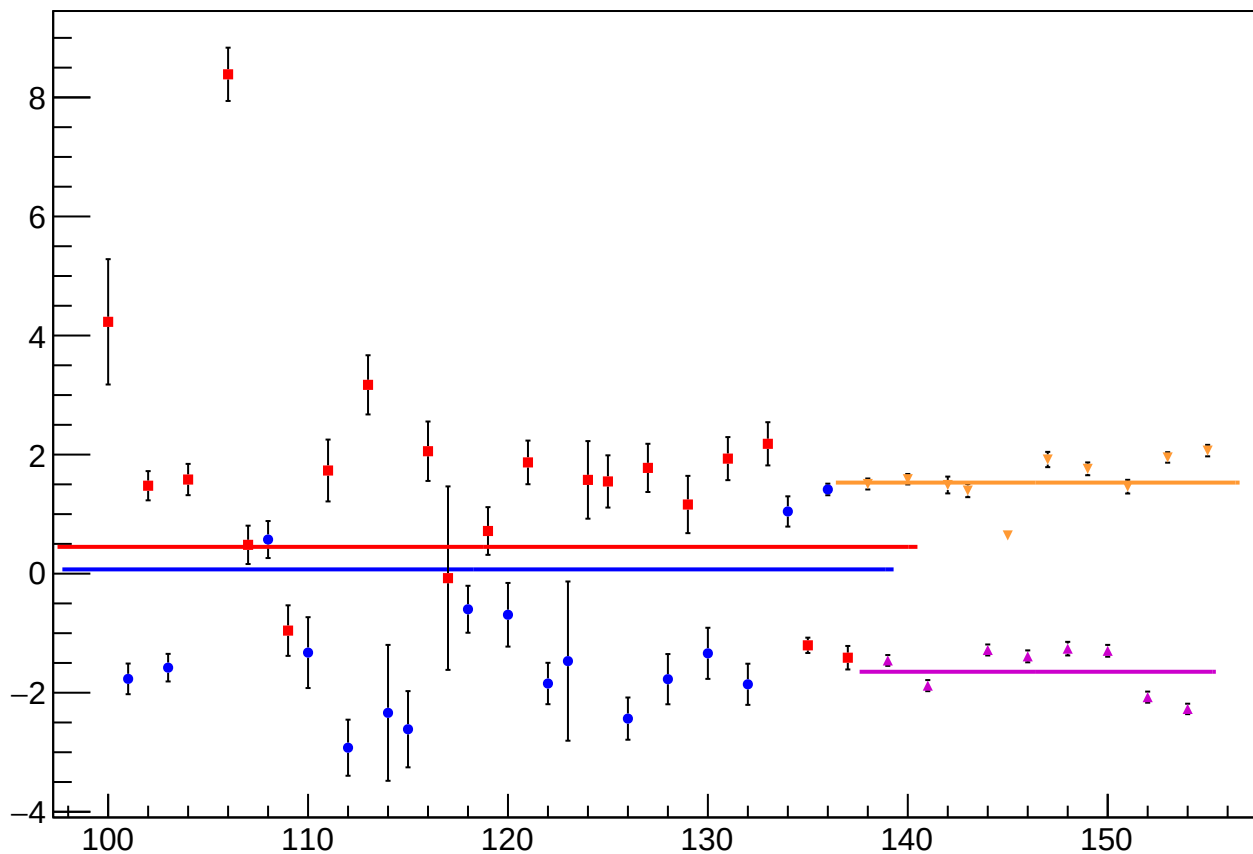
Left In: 132.243 $\pm$ 0.708 χ^2/NDF : 467.6/7

-147.617 $\pm$ 0.587 χ^2/NDF : 1521.5/26

-12.892 $\pm$ 0.429 χ^2/NDF : 116419.3/54

141.148 $\pm$ 0.628 χ^2/NDF : 1944.1/27

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.072 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.530 ± 0.032 χ^2/NDF : 196.0/9

Right Out: 0.450 ± 0.071 χ^2/NDF : 751.4/19

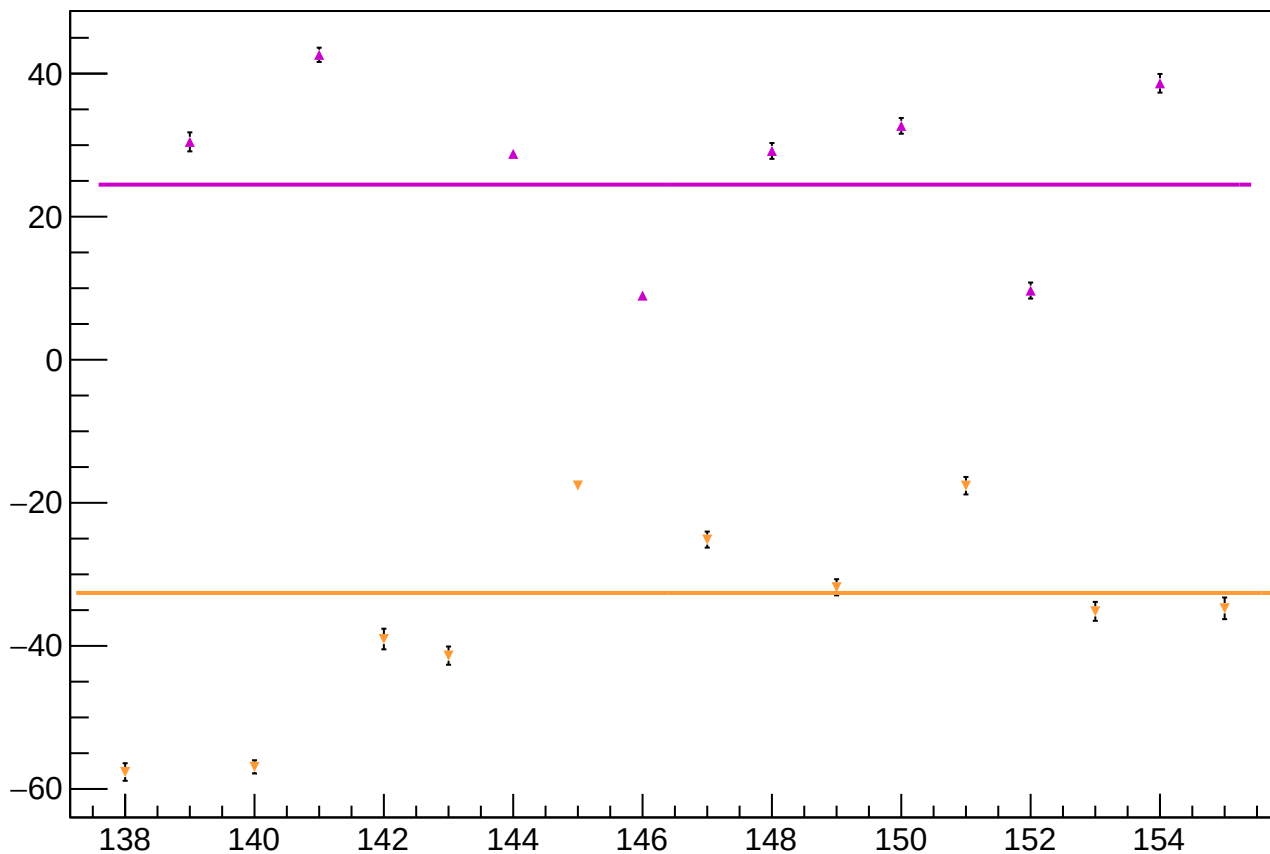
Left In: -1.648 ± 0.034 χ^2/NDF : 128.6/7

1.264 ± 0.029 χ^2/NDF : 1107.0/26

0.082 ± 0.021 χ^2/NDF : 6335.8/54

-1.263 ± 0.031 χ^2/NDF : 1587.7/27

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -32.597+/-0.337 χ^2/NDF :1969.0/9

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

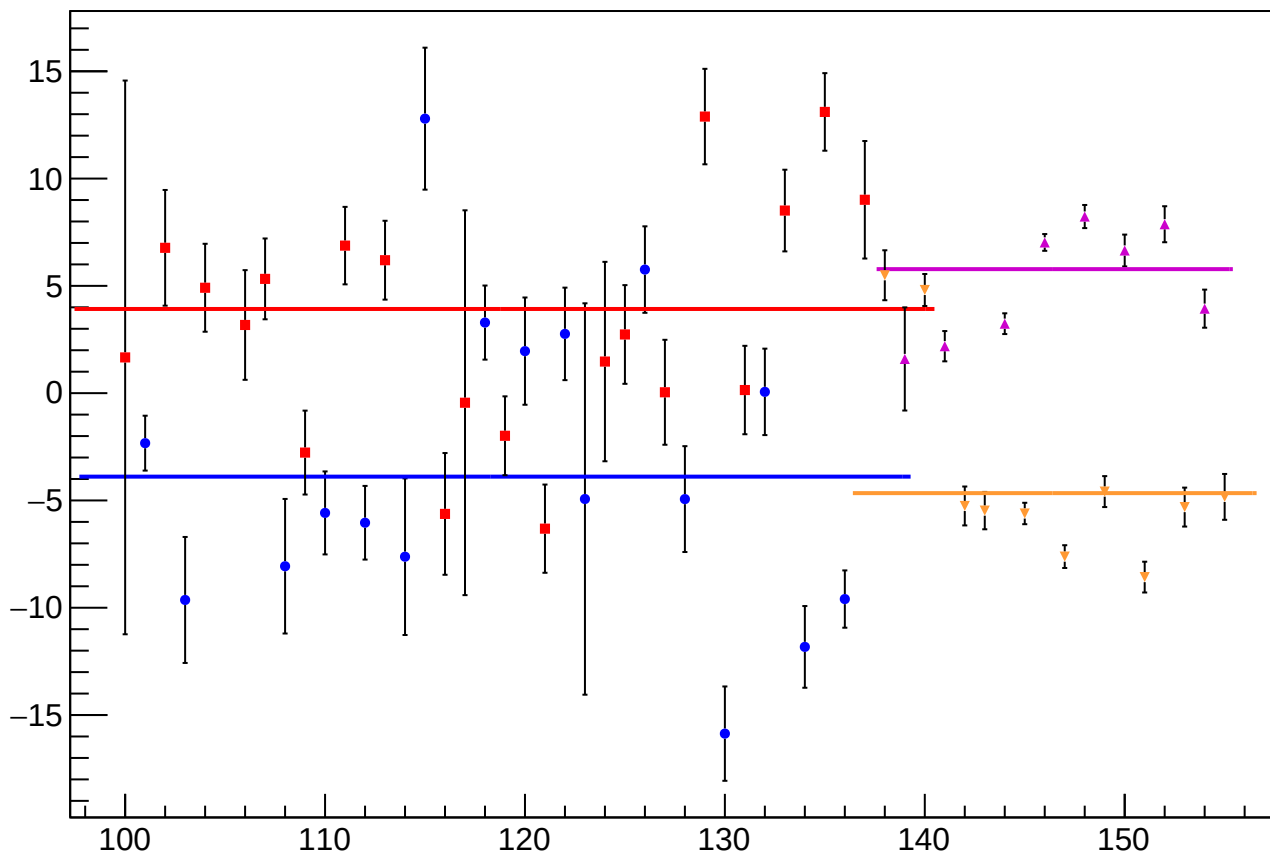
Left In: 24.479+/-0.330 χ^2/NDF :1346.1/7

-32.597+/-0.337 χ^2/NDF : 1969.0/9

-3.444+/-0.236 χ^2/NDF : 17987.5/17

24.479+/-0.330 χ^2/NDF : 1346.1/7

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.890 ± 0.498 χ^2/NDF : 160.5/16

Left Out: -4.659 ± 0.232 χ^2/NDF : 303.7/9

Right Out: 3.923 ± 0.506 χ^2/NDF : 122.4/19

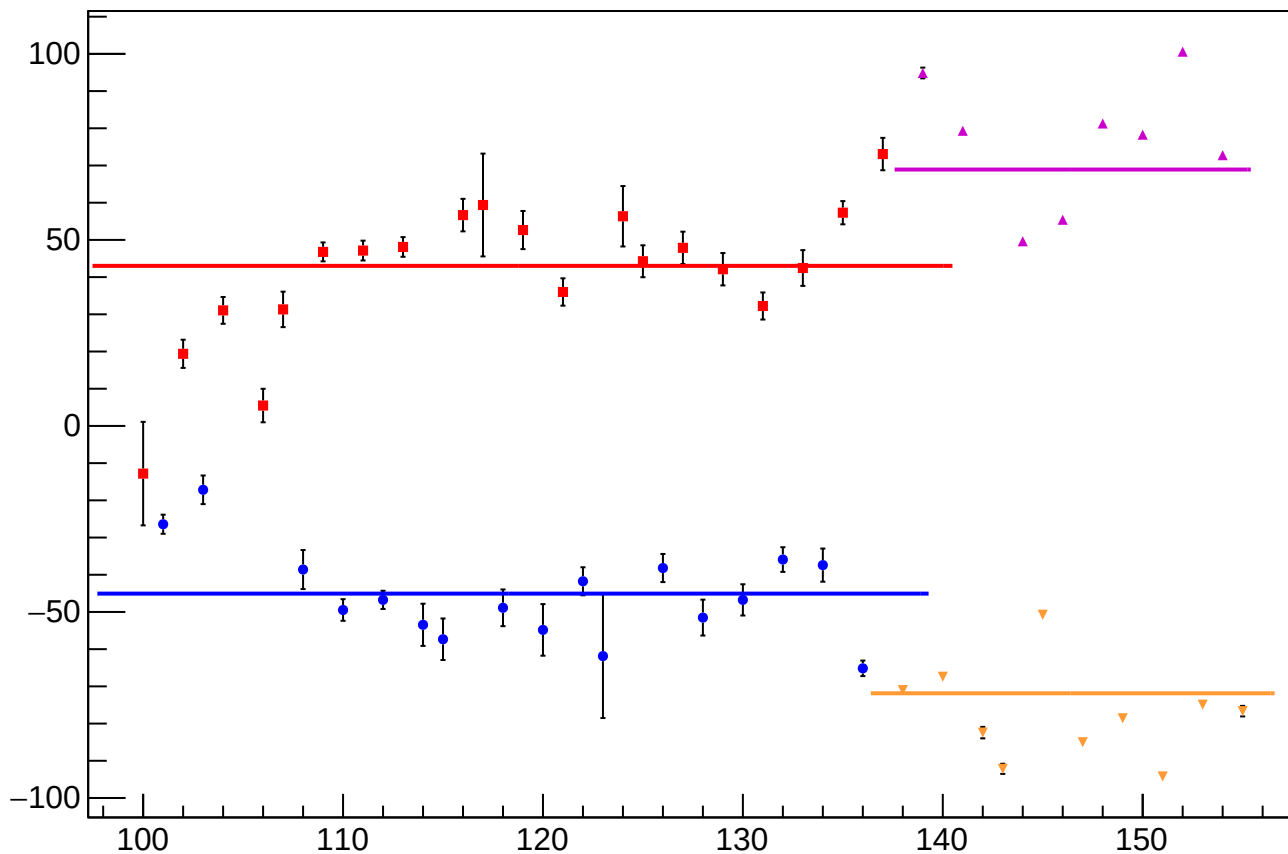
Left In: 5.780 ± 0.218 χ^2/NDF : 99.3/7

-4.522 ± 0.210 χ^2/NDF : 466.1/26

0.719 ± 0.145 χ^2/NDF : 1886.5/54

5.488 ± 0.201 χ^2/NDF : 233.0/27

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -45.070 ± 0.883 χ^2/NDF : 229.7/16

Left Out: -71.862 ± 0.341 χ^2/NDF : 1909.8/9

Right Out: 43.025 ± 0.876 χ^2/NDF : 249.7/19

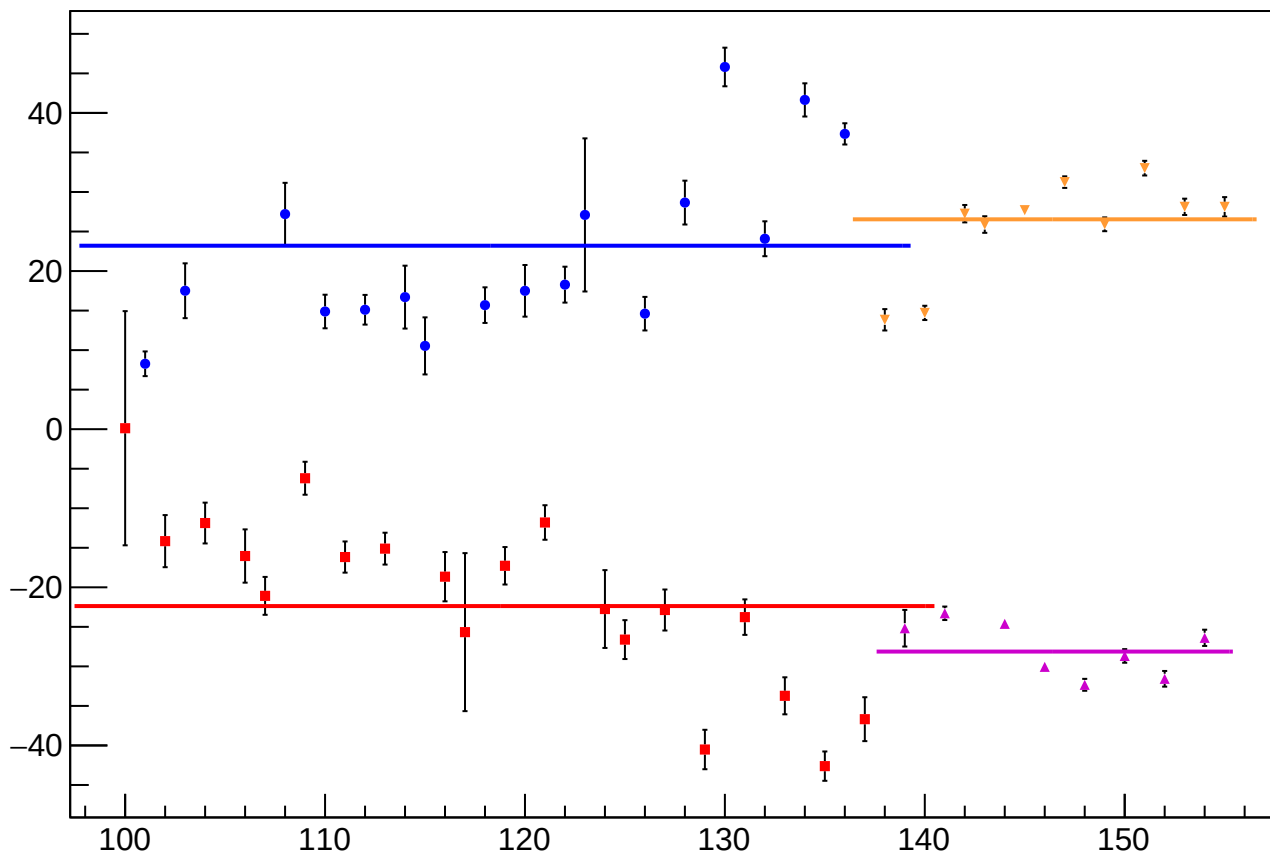
Left In: 68.914 ± 0.327 χ^2/NDF : 2713.4/7

-68.386 ± 0.318 χ^2/NDF : 2940.1/26

1.145 ± 0.221 χ^2/NDF : 98773.8/54

65.741 ± 0.307 χ^2/NDF : 3729.3/27

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: 26.543 $\pm$ 0.283 χ^2 /NDF: 359.6/9

Right Out: -22.372 $\pm$ 0.572 χ^2 /NDF: 367.0/19

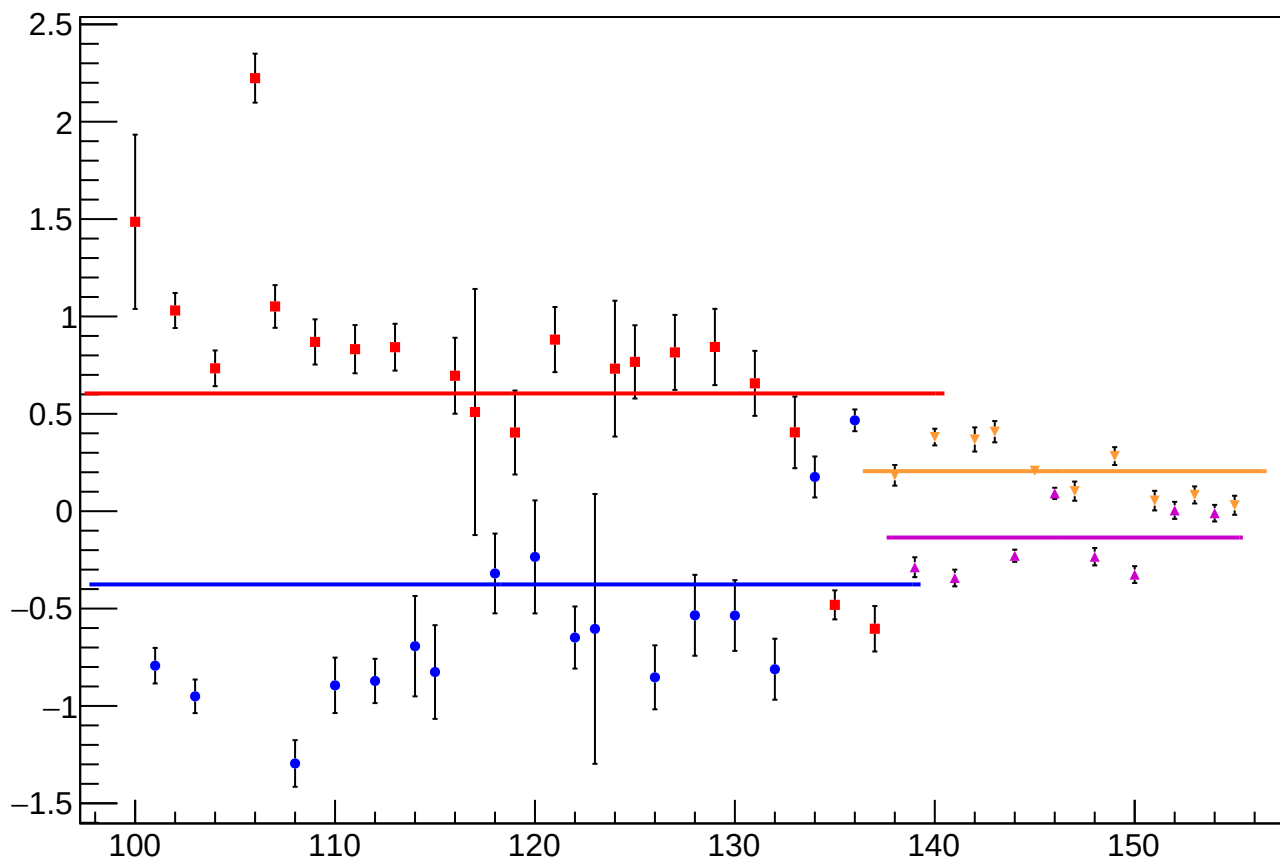
Left In: -28.127 $\pm$ 0.270 χ^2 /NDF: 132.9/7

25.860 $\pm$ 0.253 χ^2 /NDF: 845.2/26

-1.543 $\pm$ 0.175 χ^2 /NDF: 24154.8/54

-27.079 $\pm$ 0.244 χ^2 /NDF: 582.8/27

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: 0.206 ± 0.014 $\chi^2/\text{NDF}: 74.3/9$

Right Out: 0.605 ± 0.030 $\chi^2/\text{NDF}: 551.2/19$

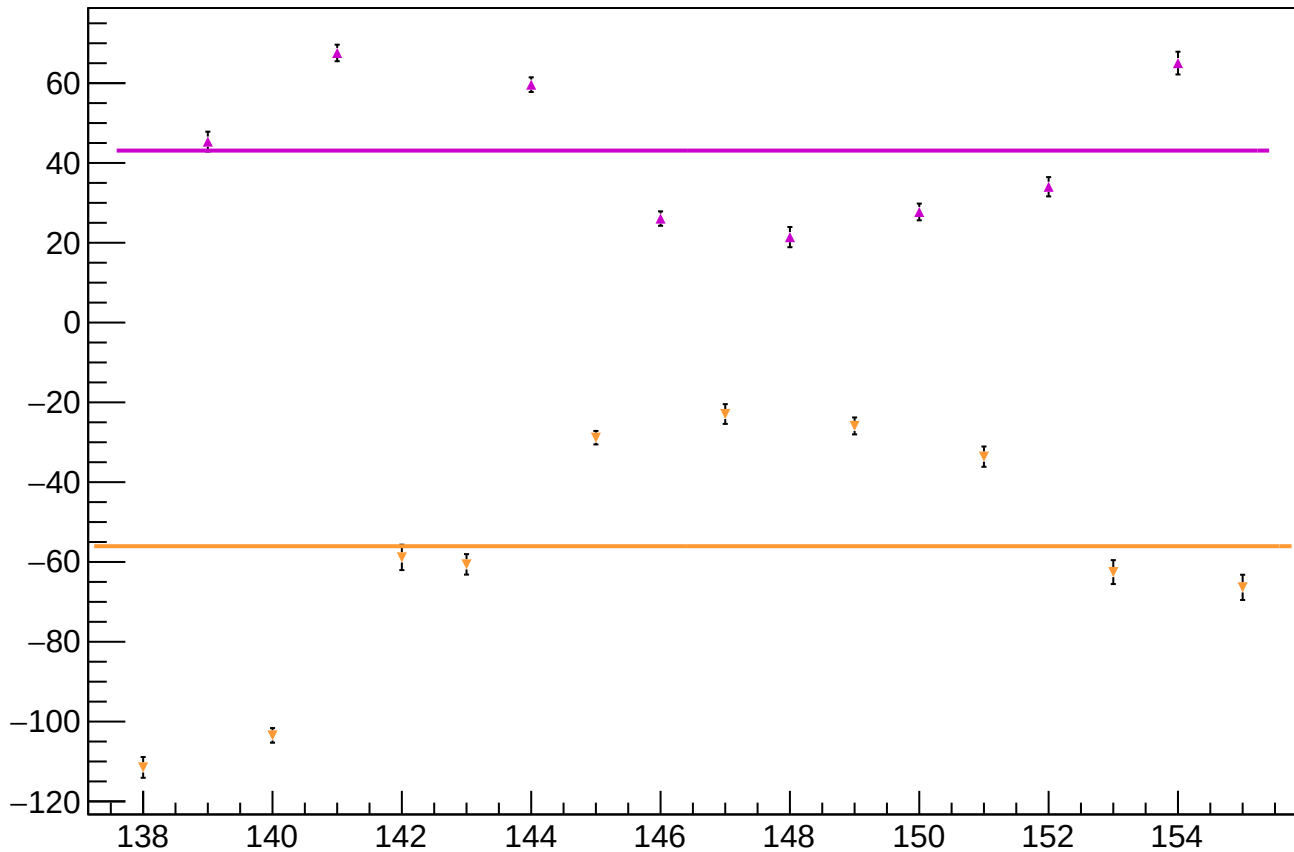
Left In: -0.135 ± 0.014 $\chi^2/\text{NDF}: 147.0/7$

0.104 ± 0.013 $\chi^2/\text{NDF}: 819.3/26$

0.048 ± 0.009 $\chi^2/\text{NDF}: 2054.6/54$

-0.008 ± 0.013 $\chi^2/\text{NDF}: 1195.4/27$

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -56.053+/-0.747 χ^2/NDF : 1857.0/9

-56.053+/-0.747 χ^2/NDF : 1857.0/9

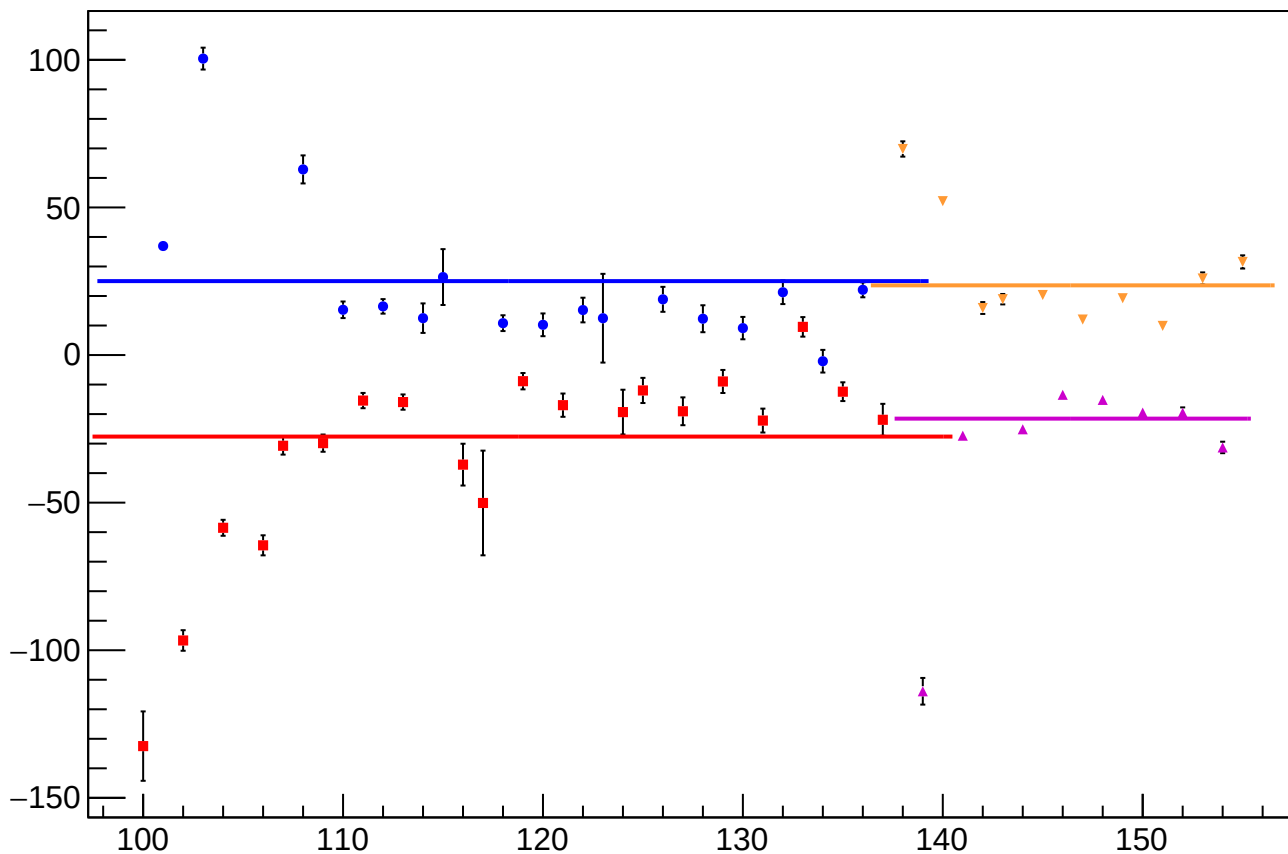
-8.216+/-0.537 χ^2/NDF : 10875.1/17

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

43.099+/-0.773 χ^2/NDF : 509.8/7

Left In: 43.099+/-0.773 χ^2/NDF : 509.8/7

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 25.045 ± 0.806 $\chi^2/\text{NDF}: 686.4/16$

Left Out: 23.608 ± 0.513 $\chi^2/\text{NDF}: 908.6/9$

Right Out: -27.620 ± 0.809 $\chi^2/\text{NDF}: 1014.4/19$

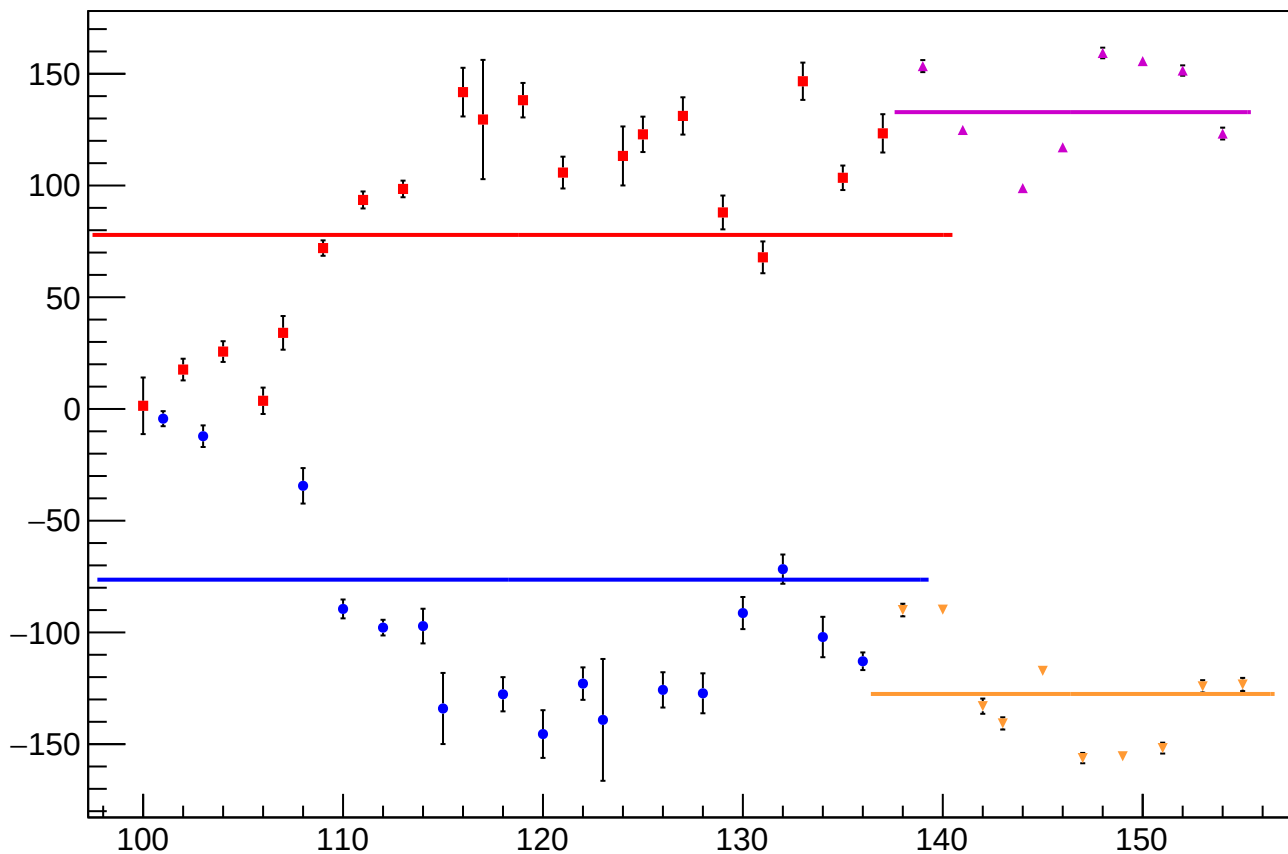
Left In: -21.541 ± 0.531 $\chi^2/\text{NDF}: 544.8/7$

24.023 ± 0.433 $\chi^2/\text{NDF}: 1597.3/26$

0.906 ± 0.310 $\chi^2/\text{NDF}: 9039.6/54$

-23.369 ± 0.444 $\chi^2/\text{NDF}: 1598.6/27$

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.392 ± 1.416 $\chi^2/\text{NDF}: 1031.9/16$

Left Out: -127.537 ± 0.751 $\chi^2/\text{NDF}: 1063.4/9$

Right Out: 77.894 ± 1.351 $\chi^2/\text{NDF}: 876.4/19$

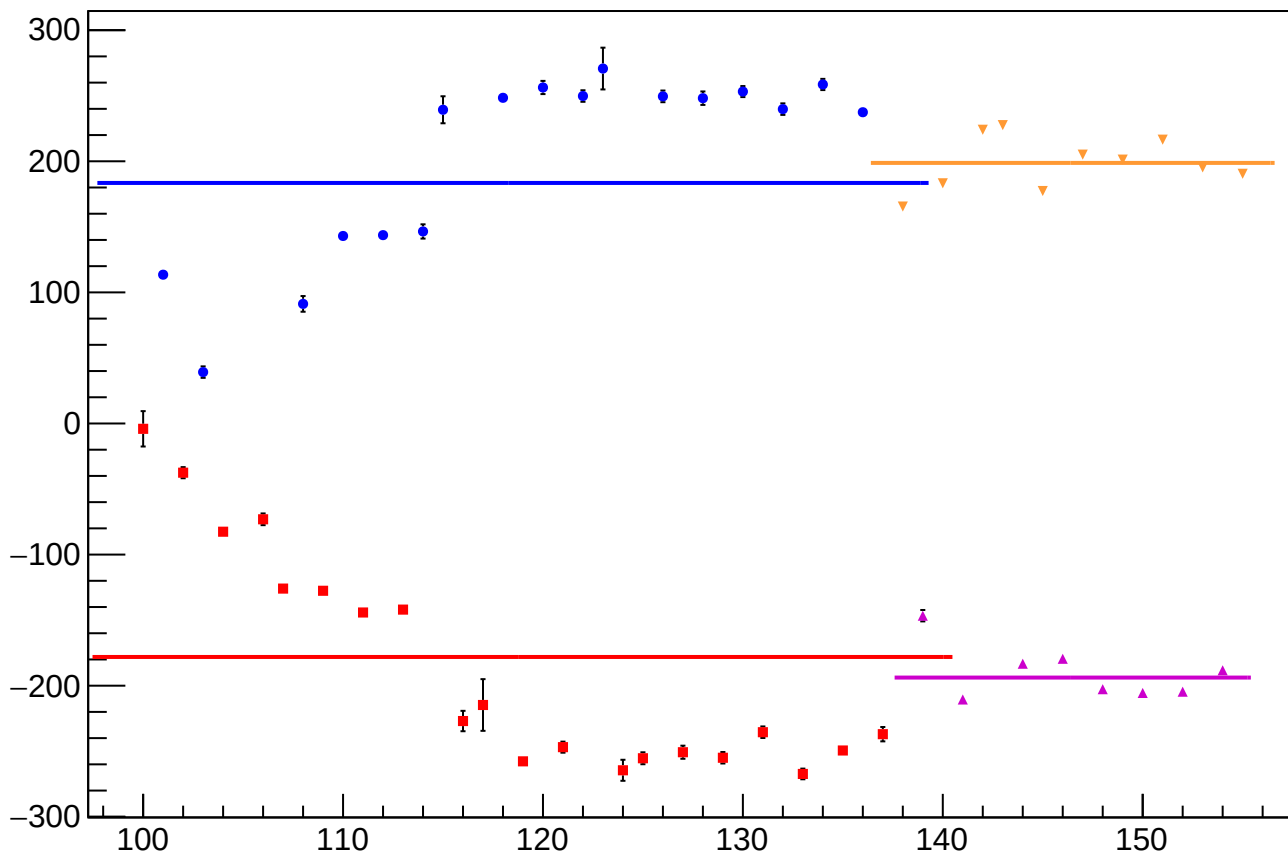
Left In: 132.841 ± 0.767 $\chi^2/\text{NDF}: 789.2/7$

-116.307 ± 0.664 $\chi^2/\text{NDF}: 3113.2/26$

0.928 ± 0.471 $\chi^2/\text{NDF}: 68787.3/54$

119.440 ± 0.667 $\chi^2/\text{NDF}: 2916.2/27$

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 183.478 $\pm$ 0.919 χ^2 /NDF: 5331.4/16

Left Out: 198.765 $\pm$ 0.627 χ^2 /NDF: 784.0/9

Right Out: -178.092 $\pm$ 0.923 χ^2 /NDF: 6349.2/19

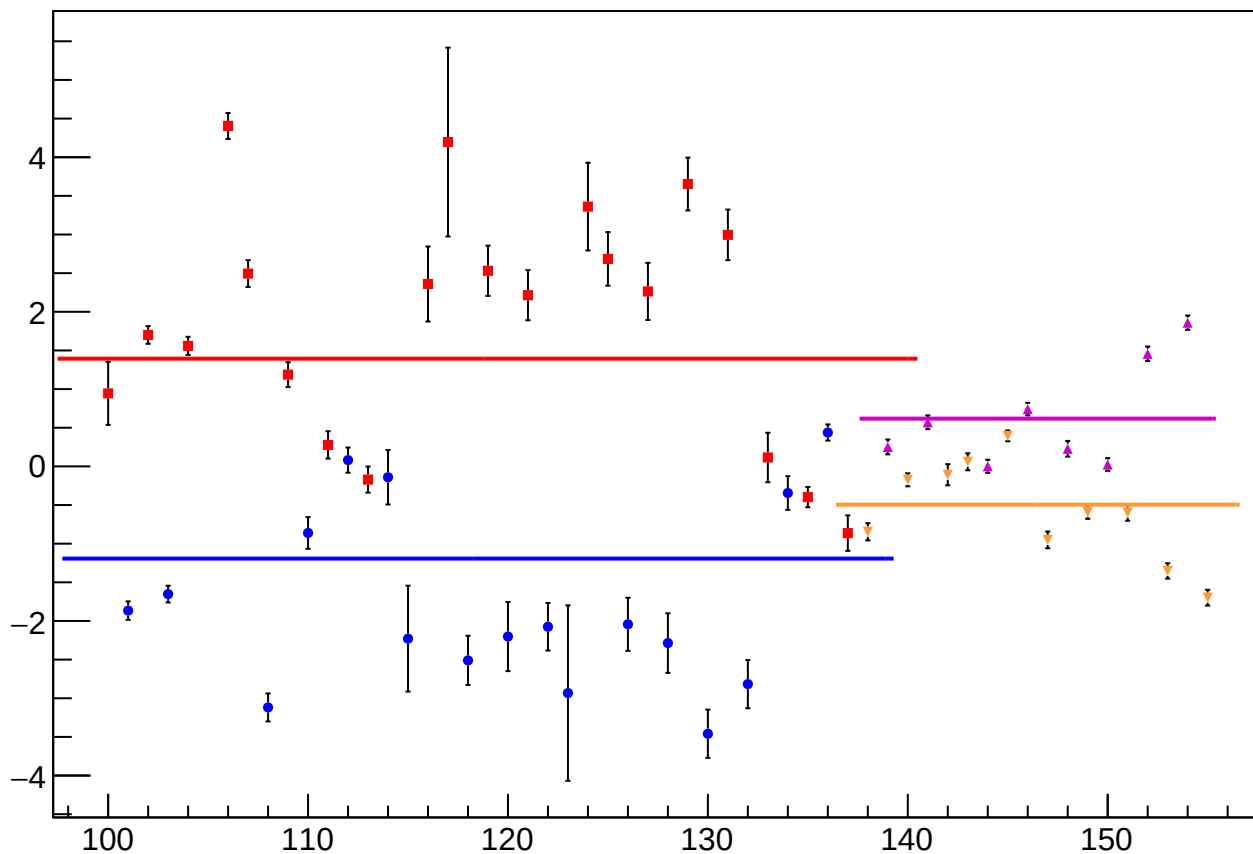
Left In: -193.812 $\pm$ 0.647 χ^2 /NDF: 461.3/7

193.909 $\pm$ 0.518 χ^2 /NDF: 6304.4/26

6.982 $\pm$ 0.370 χ^2 /NDF: 280069.0/54

-188.635 $\pm$ 0.530 χ^2 /NDF: 7005.0/27

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.496 ± 0.031 χ^2/NDF : 451.9/9

Right Out: 1.393 ± 0.046 χ^2/NDF : 925.8/19

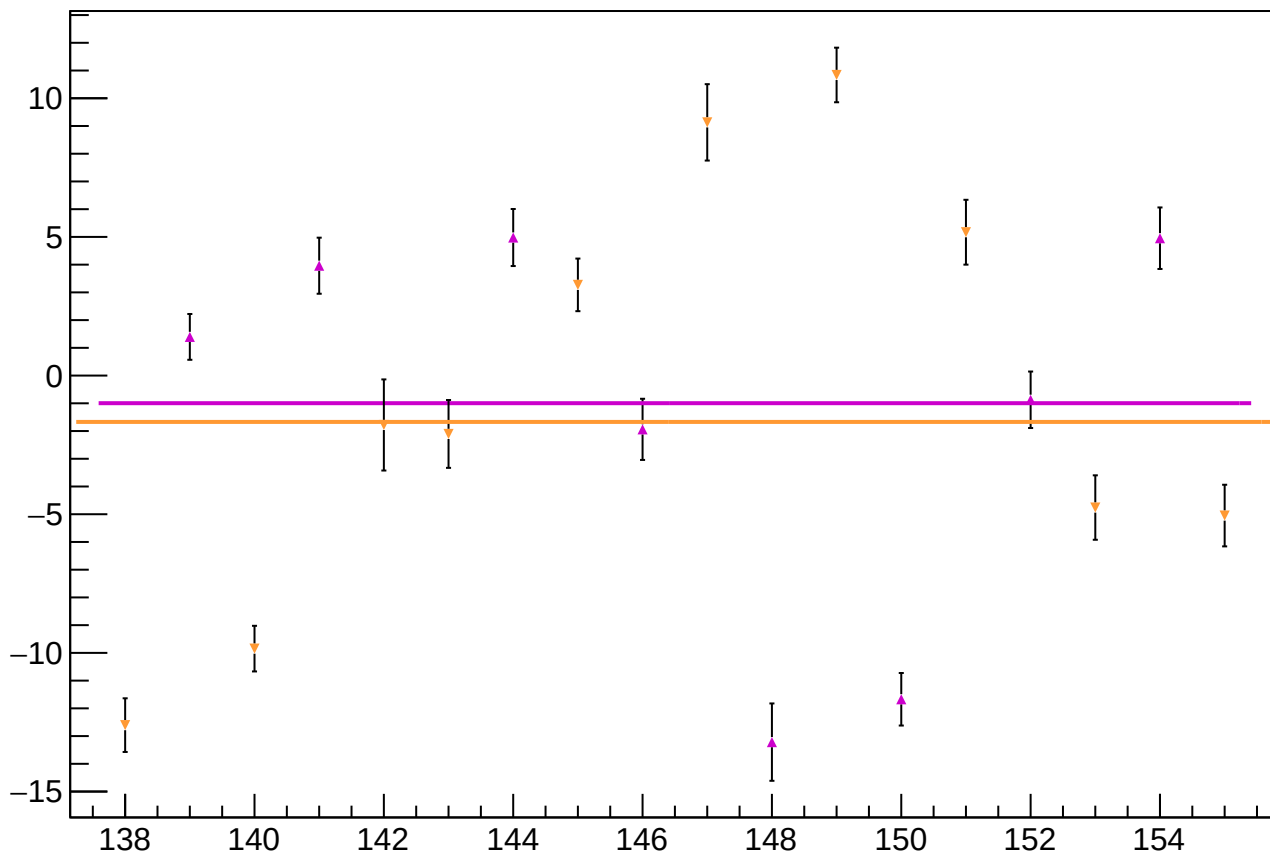
Left In: 0.618 ± 0.032 χ^2/NDF : 394.7/7

-0.696 ± 0.026 χ^2/NDF : 1222.8/26

0.080 ± 0.018 χ^2/NDF : 4557.6/54

0.869 ± 0.026 χ^2/NDF : 1514.7/27

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -1.671+/-0.342 χ^2/NDF : 527.3/9

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

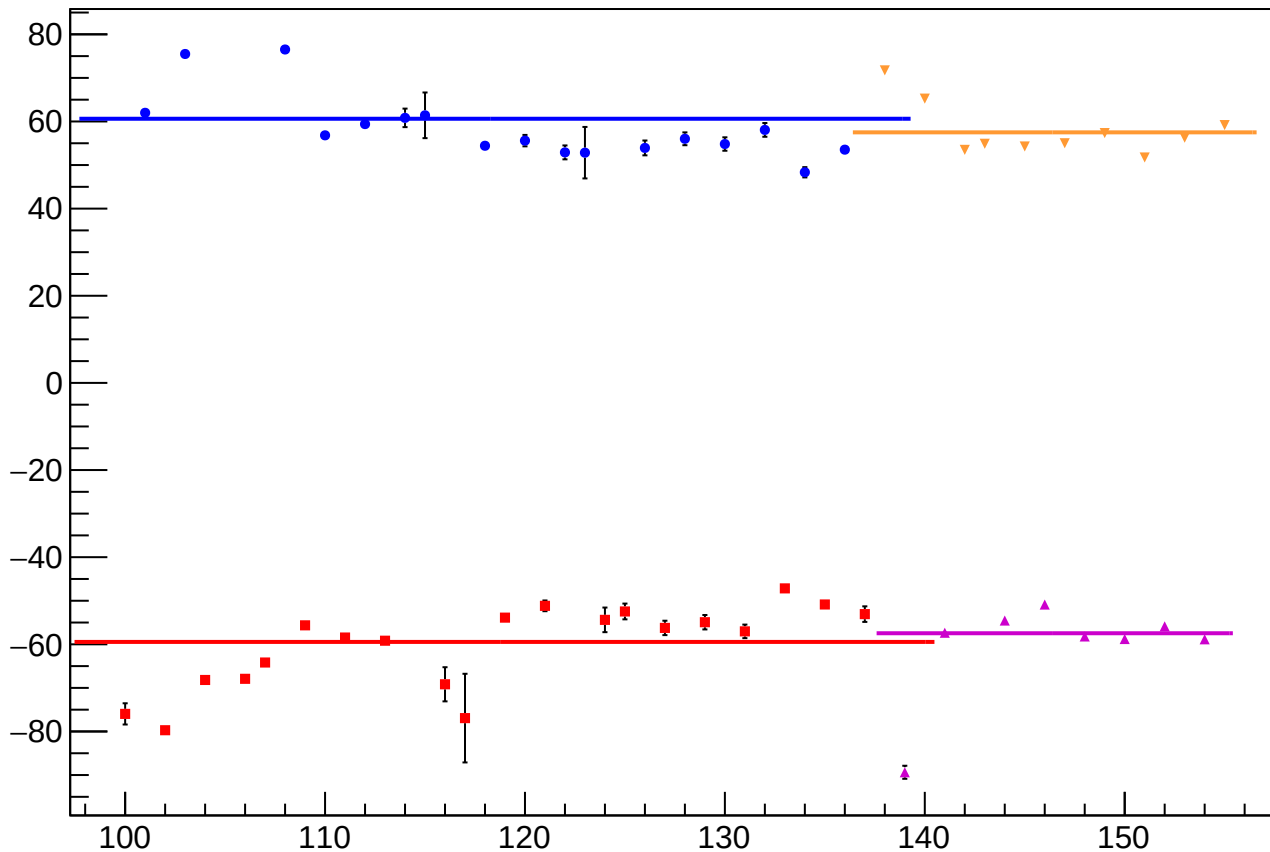
Left In: -0.996+/-0.362 χ^2/NDF : 299.5/7

-1.671+/-0.342 χ^2/NDF : 527.3/9

-1.353+/-0.249 χ^2/NDF : 828.6/17

-0.996+/-0.362 χ^2/NDF : 299.5/7

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: 57.503 $\pm$ 0.243 χ^2 /NDF: 443.7/9

Right Out: -59.448 $\pm$ 0.248 χ^2 /NDF: 1326.3/19

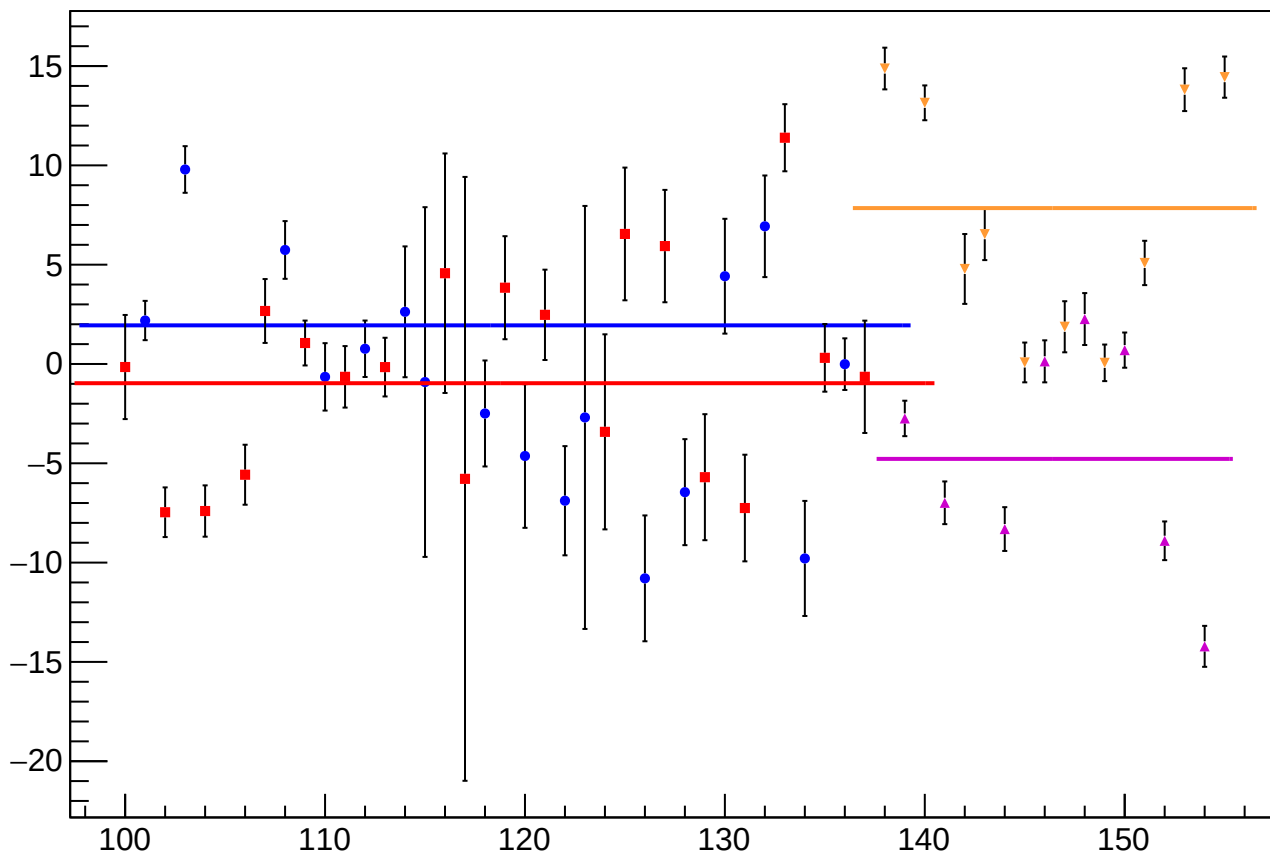
Left In: -57.457 $\pm$ 0.267 χ^2 /NDF: 568.7/7

58.943 $\pm$ 0.179 χ^2 /NDF: 1444.2/26

1.118 $\pm$ 0.127 χ^2 /NDF: 216184.6/54

-58.525 $\pm$ 0.181 χ^2 /NDF: 1924.9/27

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.945 ± 0.459 χ^2/NDF : 120.6/16

Left Out: 7.849 ± 0.343 χ^2/NDF : 315.9/9

Right Out: -0.968 ± 0.424 χ^2/NDF : 149.6/19

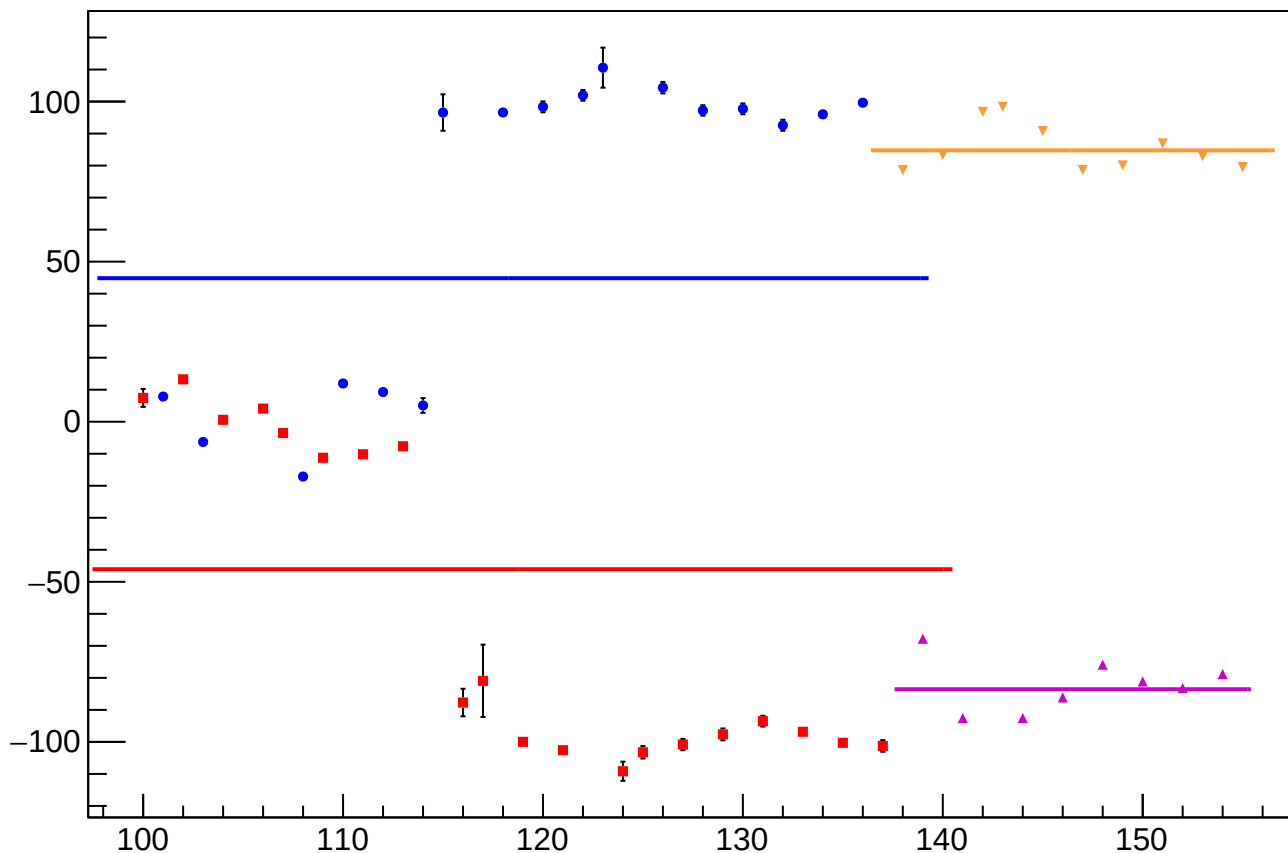
Left In: -4.778 ± 0.361 χ^2/NDF : 210.1/7

5.731 ± 0.275 χ^2/NDF : 542.7/26

1.275 ± 0.194 χ^2/NDF : 1475.1/54

-3.180 ± 0.275 χ^2/NDF : 406.6/27

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 44.829 ± 0.305 χ^2/NDF : 24763.1/16

Left Out: 84.775 ± 0.293 χ^2/NDF : 471.7/9

Right Out: -46.062 ± 0.289 χ^2/NDF : 28272.9/19

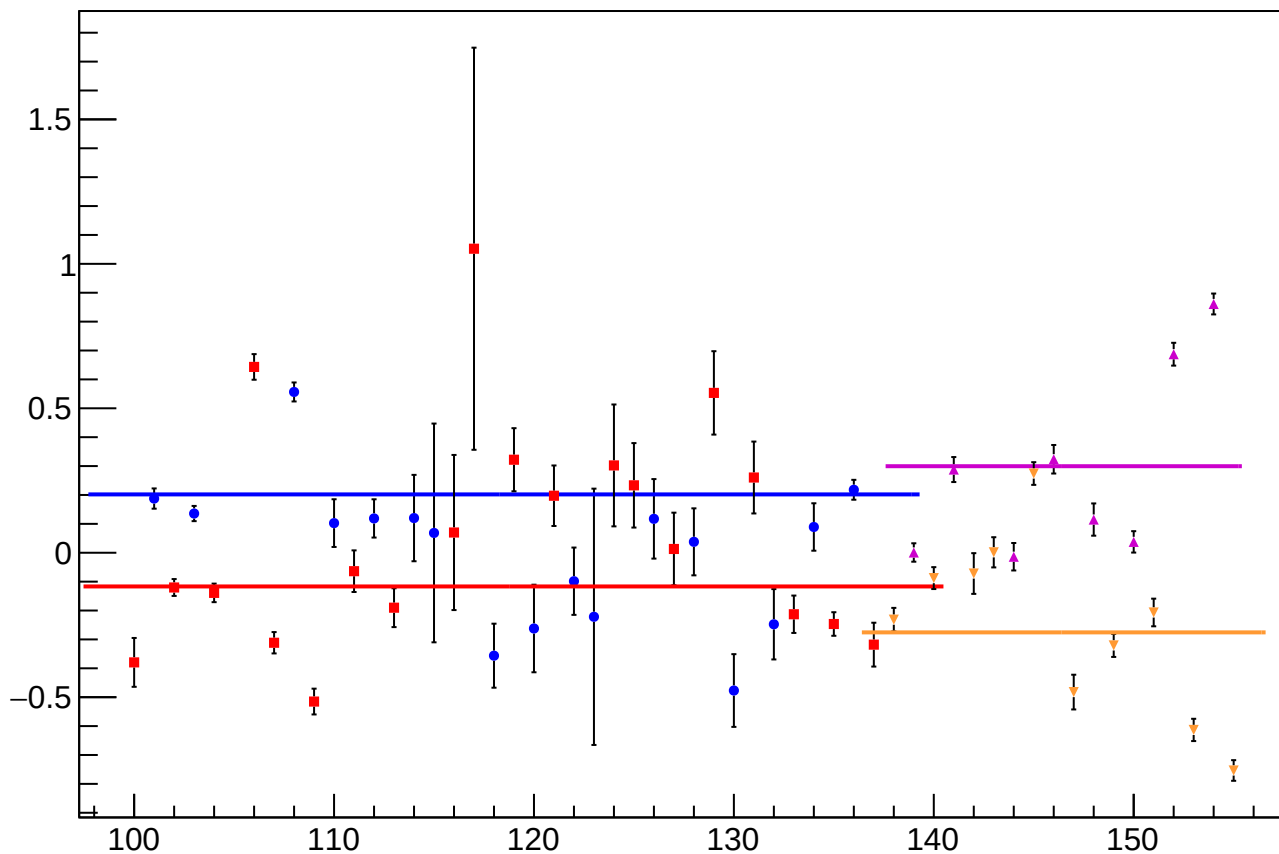
Left In: -83.550 ± 0.319 χ^2/NDF : 444.3/7

65.559 ± 0.211 χ^2/NDF : 34156.7/26

2.194 ± 0.150 χ^2/NDF : 252899.0/54

-62.990 ± 0.214 χ^2/NDF : 36295.1/27

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.202 ± 0.014 χ^2/NDF : 216.0/16

Left Out: -0.276 ± 0.014 χ^2/NDF : 529.4/9

Right Out: -0.117 ± 0.013 χ^2/NDF : 502.5/19

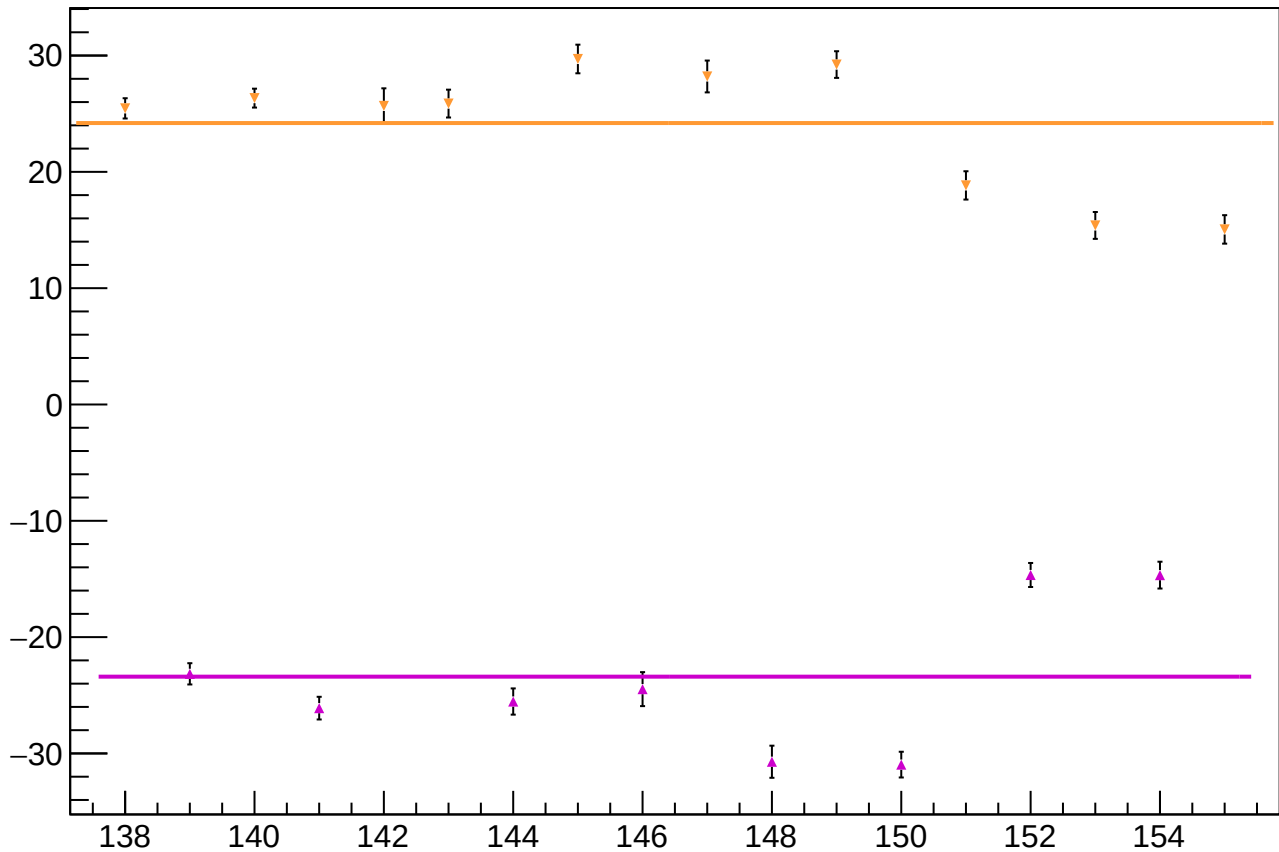
Left In: 0.300 ± 0.014 χ^2/NDF : 530.6/7

-0.043 ± 0.010 χ^2/NDF : 1336.8/26

0.015 ± 0.007 χ^2/NDF : 2897.3/54

0.071 ± 0.010 χ^2/NDF : 1492.7/27

reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 24.197+/-0.353 χ^2/NDF : 193.1/9

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

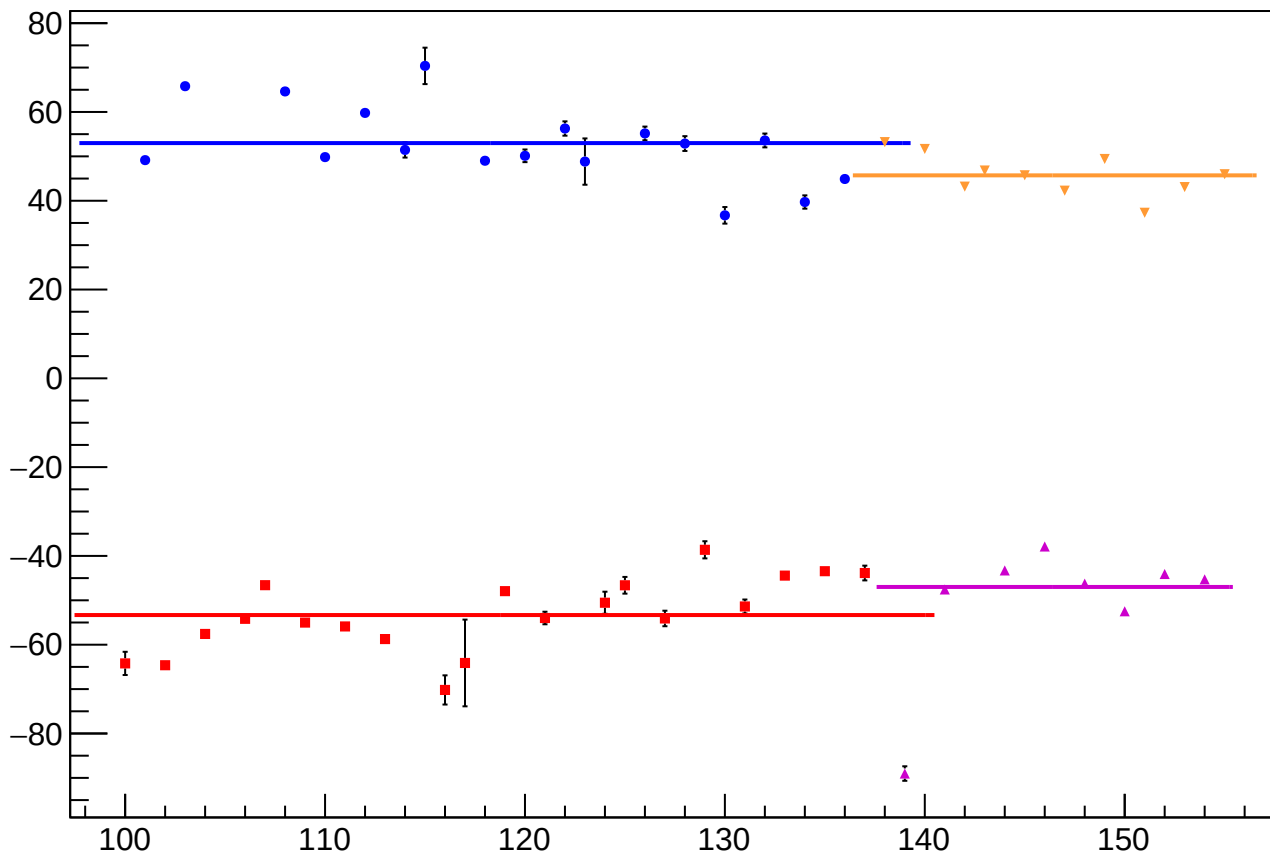
Left In: -23.399+/-0.391 χ^2/NDF : 215.7/7

24.197+/-0.353 χ^2/NDF : 193.1/9

2.818+/-0.262 χ^2/NDF : 8565.5/17

-23.399+/-0.391 χ^2/NDF : 215.7/7

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 52.989 $\pm$ 0.211 χ^2 /NDF: 1198.0/16

Left Out: 45.720 $\pm$ 0.250 χ^2 /NDF:356.2/9

Right Out: -53.320 $\pm$ 0.227 χ^2 /NDF: 876.8/19

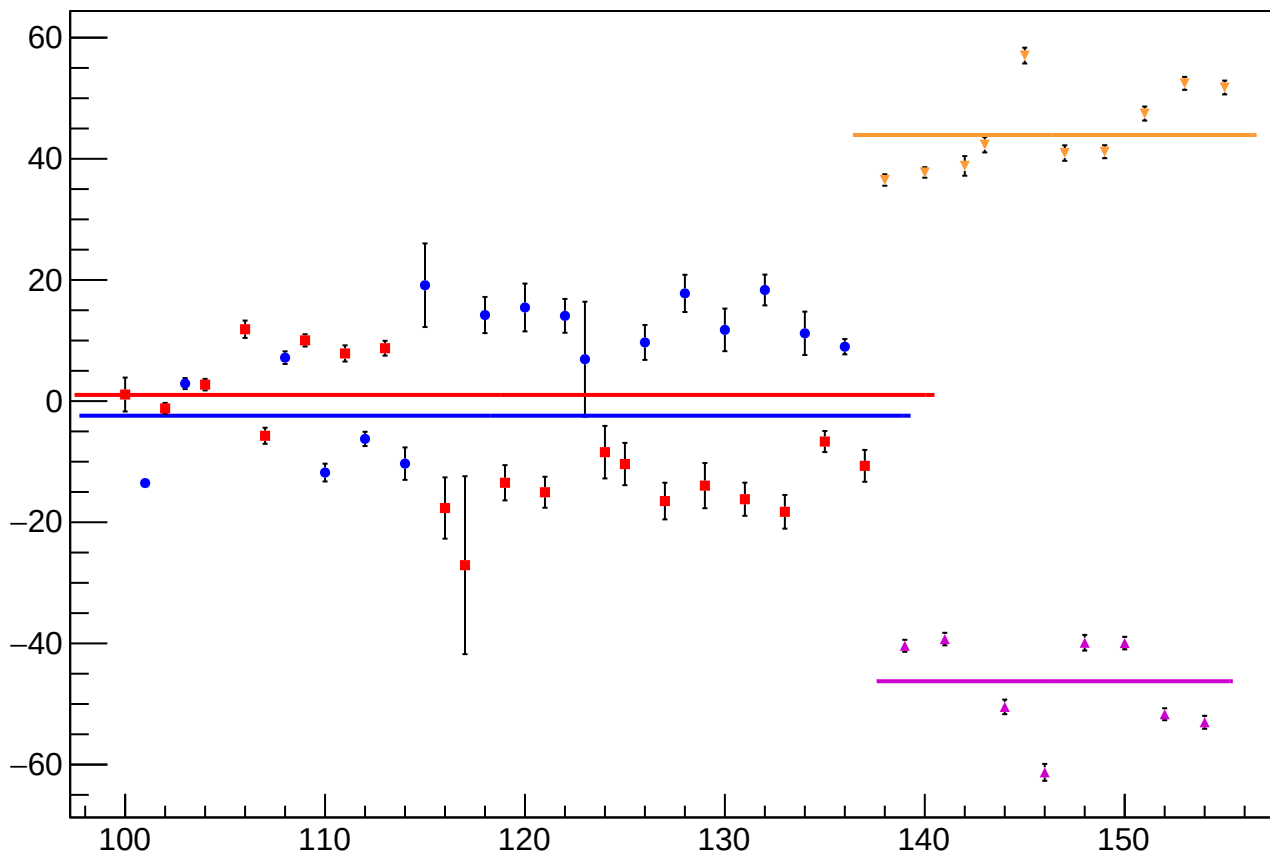
Left In: -46.992 $\pm$ 0.283 χ^2 /NDF:863.4/7

49.968 $\pm$ 0.161 χ^2 /NDF: 2048.0/26

4.234 $\pm$ 0.119 χ^2 /NDF: 181473.4/54

-50.848 $\pm$ 0.177 χ^2 /NDF: 2044.8/27

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.409+/-0.364 χ^2 /NDF: 834.6/16

Left Out: 43.931+/-0.356 χ^2 /NDF:357.1/9

Right Out: 1.021+/-0.377 χ^2 /NDF: 511.2/19

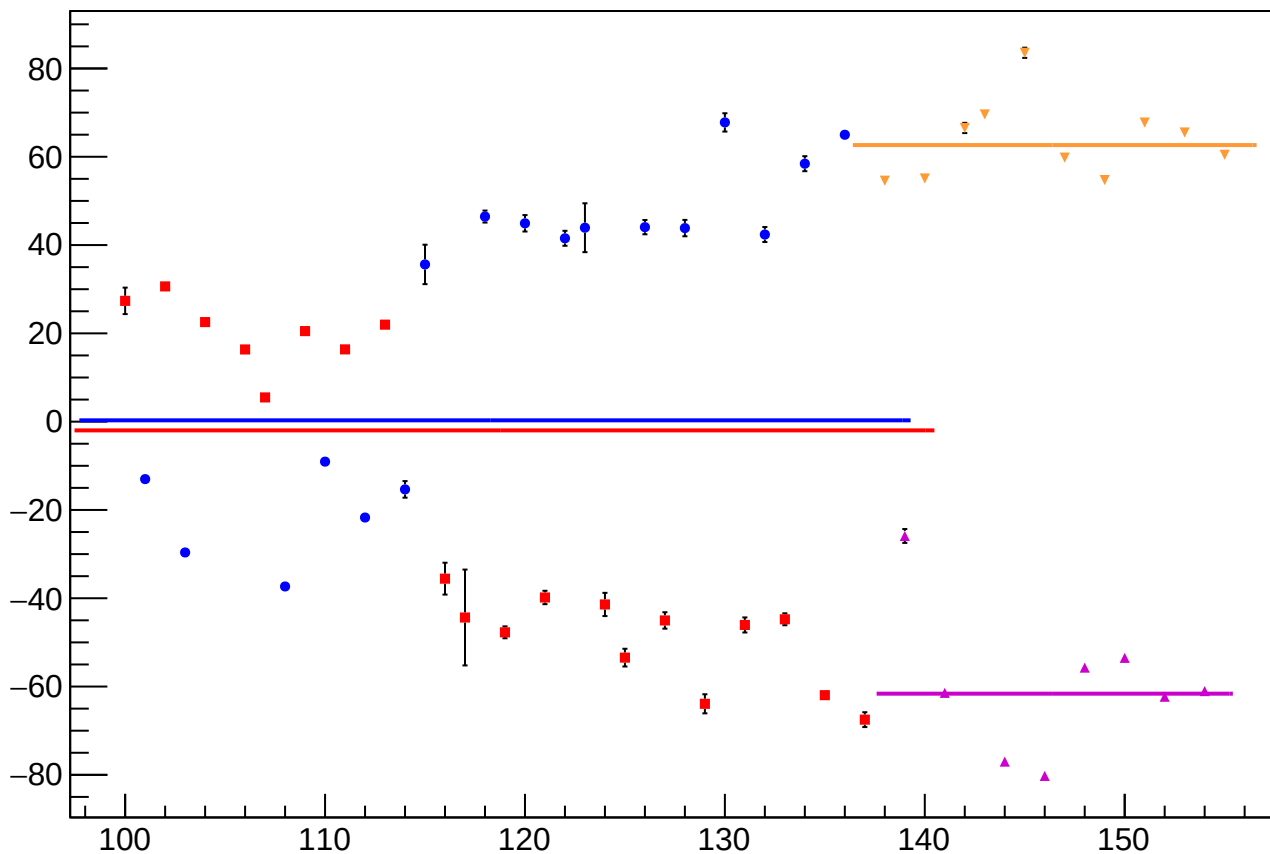
Left In: -46.242+/-0.390 χ^2 /NDF:340.1/7

21.303+/-0.255 χ^2 /NDF: 9470.1/26

1.092+/-0.186 χ^2 /NDF: 31360.8/54

-21.811+/-0.271 χ^2 /NDF: 8446.4/27

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: 62.650 ± 0.303 $\chi^2/\text{NDF}: 671.4/9$

Right Out: -1.978 ± 0.267 $\chi^2/\text{NDF}: 15465.9/19$

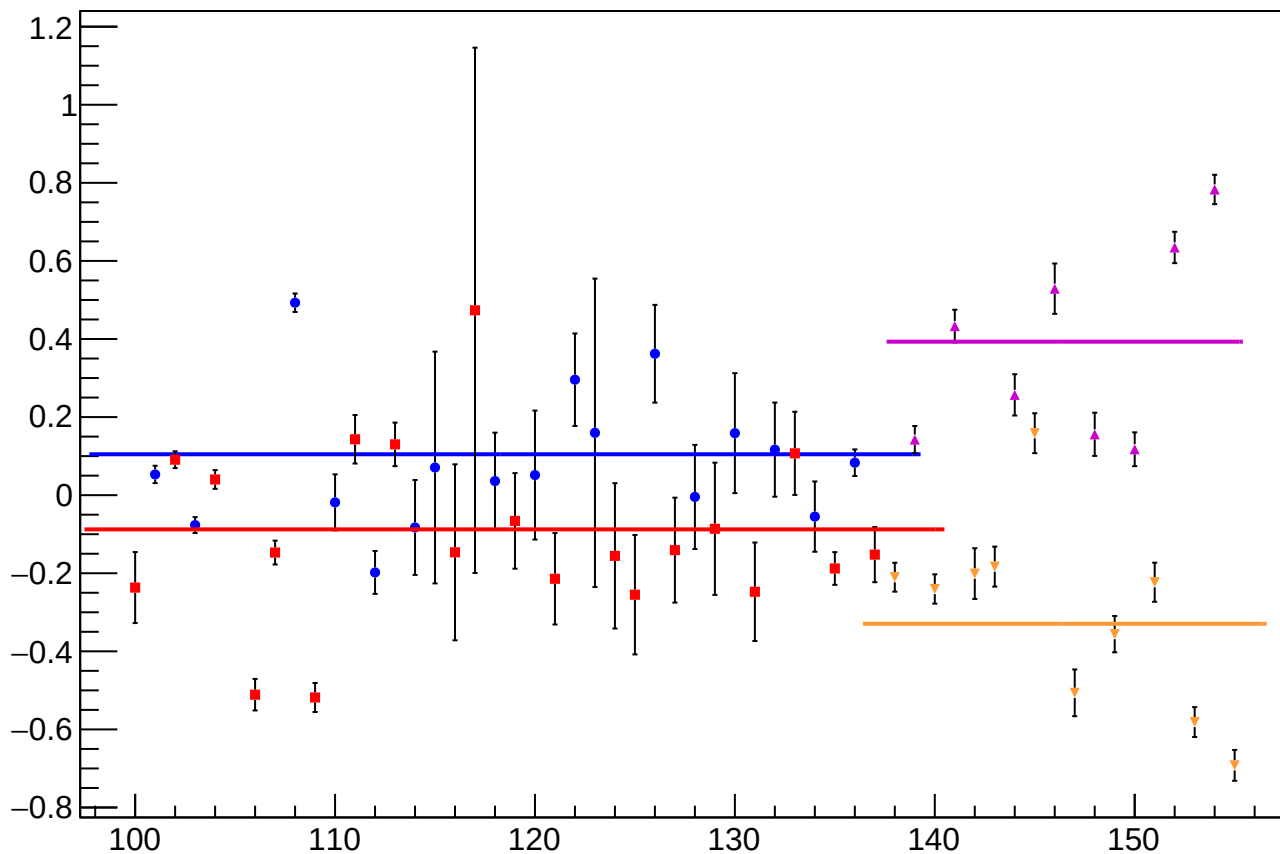
Left In: -61.612 ± 0.341 $\chi^2/\text{NDF}: 1185.2/7$

25.245 ± 0.192 $\chi^2/\text{NDF}: 44337.8/26$

2.614 ± 0.142 $\chi^2/\text{NDF}: 110660.4/54$

-24.577 ± 0.210 $\chi^2/\text{NDF}: 35619.7/27$

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 ± 0.011 χ^2/NDF : 400.8/16

Left Out: -0.329 ± 0.014 χ^2/NDF : 260.2/9

Right Out: -0.088 ± 0.011 χ^2/NDF : 391.6/19

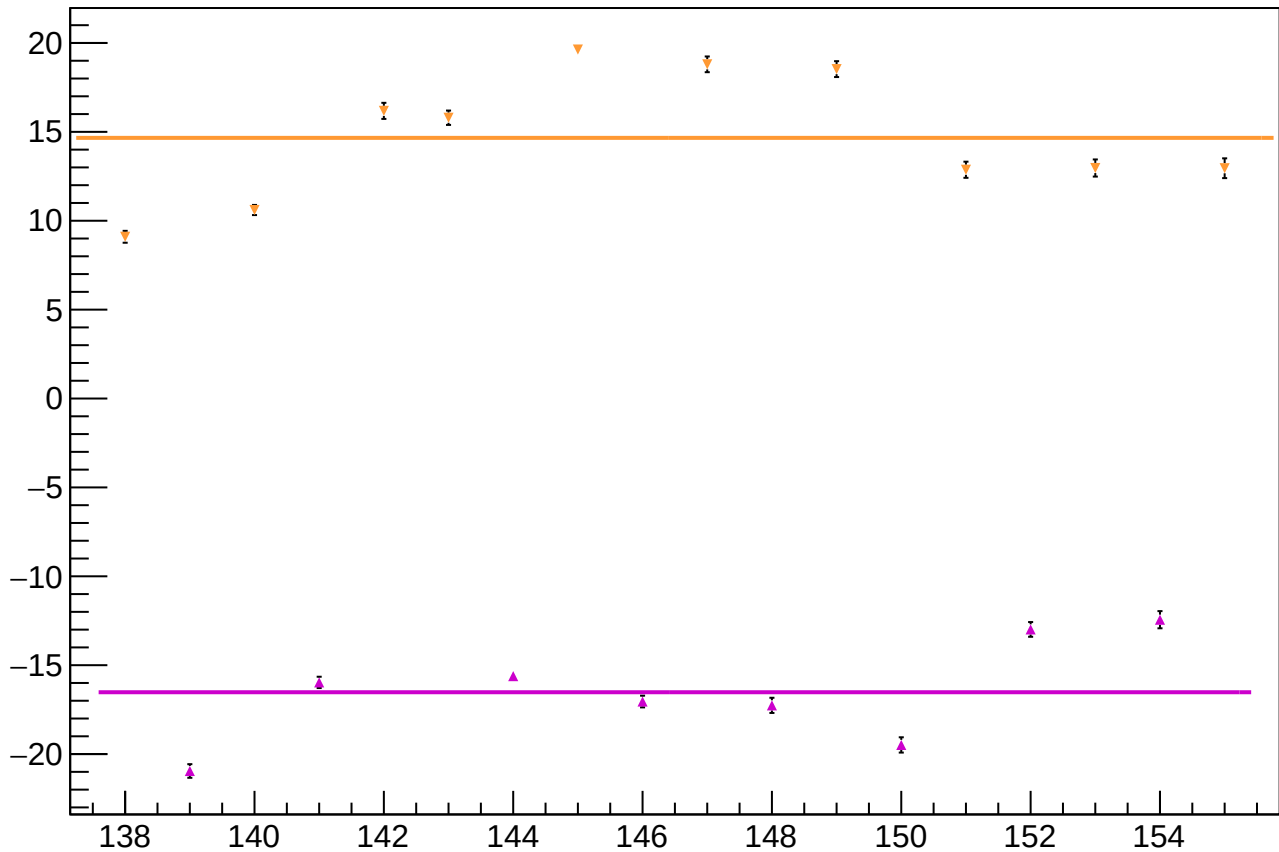
Left In: 0.393 ± 0.015 χ^2/NDF : 266.8/7

-0.058 ± 0.009 χ^2/NDF : 1239.3/26

0.007 ± 0.006 χ^2/NDF : 2650.7/54

0.074 ± 0.009 χ^2/NDF : 1300.4/27

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 14.662+/-0.121 χ^2/NDF : 1026.5/9

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

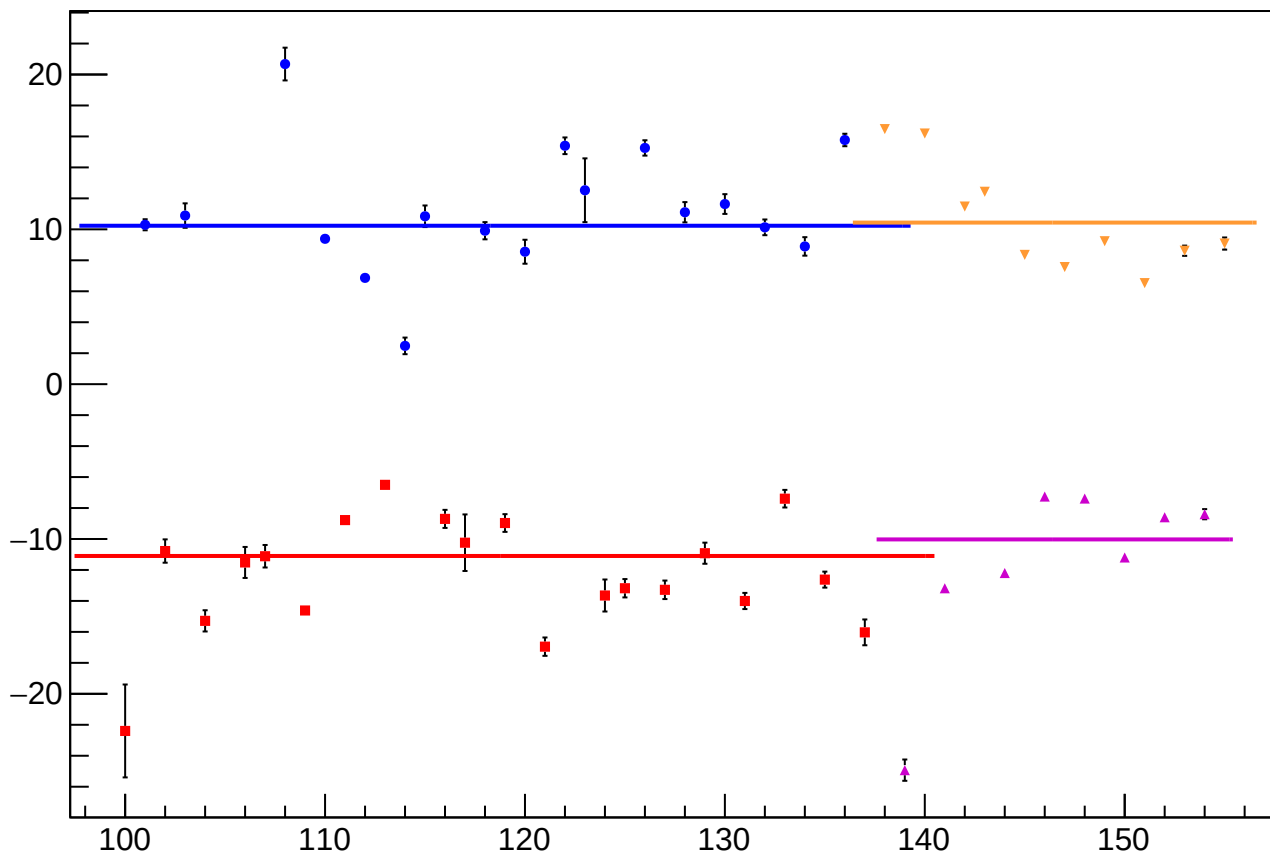
Left In: -16.522+/-0.130 χ^2/NDF : 343.8/7

14.662+/-0.121 χ^2/NDF : 1026.5/9

0.129+/-0.089 χ^2/NDF : 32222.4/17

-16.522+/-0.130 χ^2/NDF : 343.8/7

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.232 ± 0.119 χ^2/NDF : 876.7/16

Left Out: 10.437 ± 0.085 χ^2/NDF : 1590.4/9

Right Out: -11.096 ± 0.116 χ^2/NDF : 818.0/19

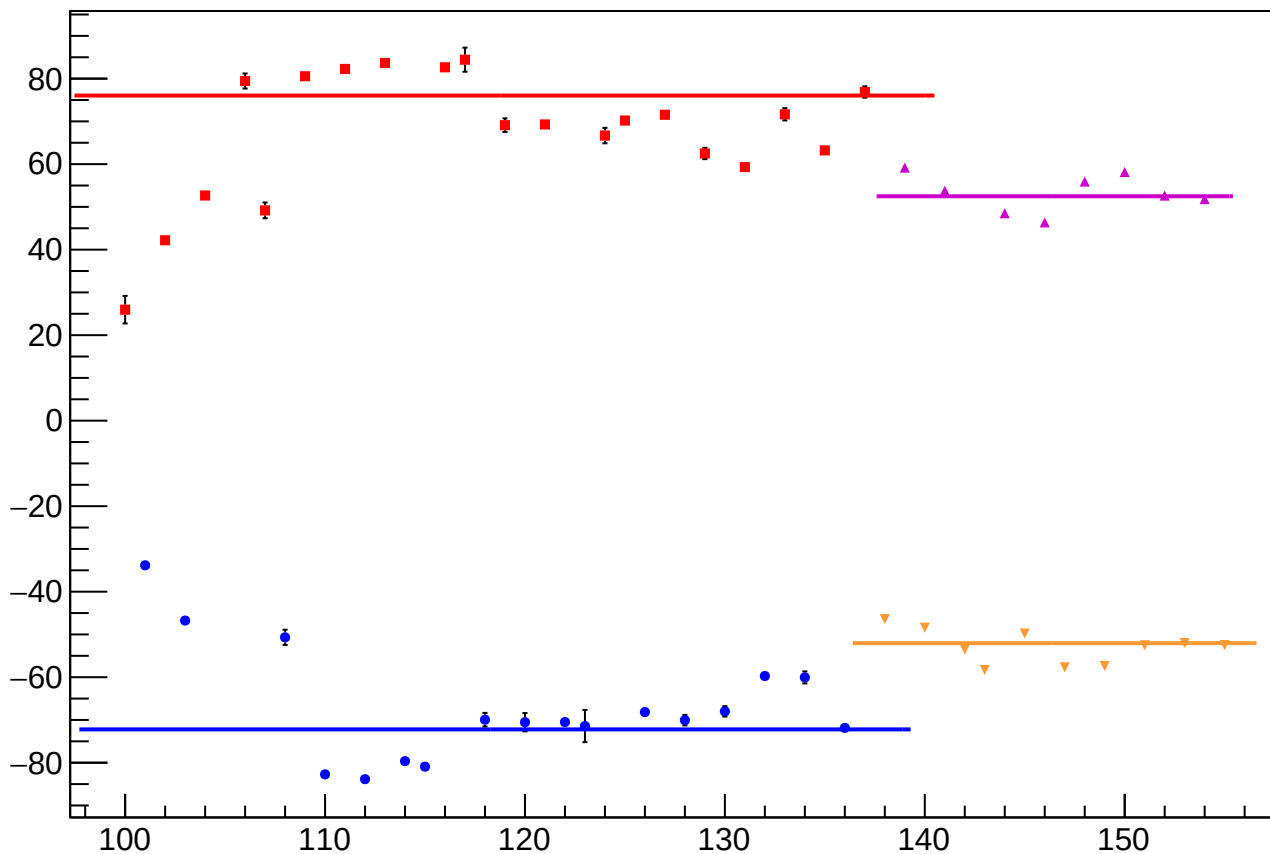
Left In: -10.028 ± 0.089 χ^2/NDF : 1199.8/7

10.368 ± 0.069 χ^2/NDF : 2469.1/26

0.198 ± 0.049 χ^2/NDF : 48853.1/54

-10.422 ± 0.071 χ^2/NDF : 2071.2/27

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.211 $\pm$ 0.198 χ^2 /NDF: 5566.2/16

Left Out: -52.039 $\pm$ 0.124 χ^2 /NDF:1016.3/9

Right Out: 76.044 $\pm$ 0.181 χ^2 /NDF: 3472.2/19

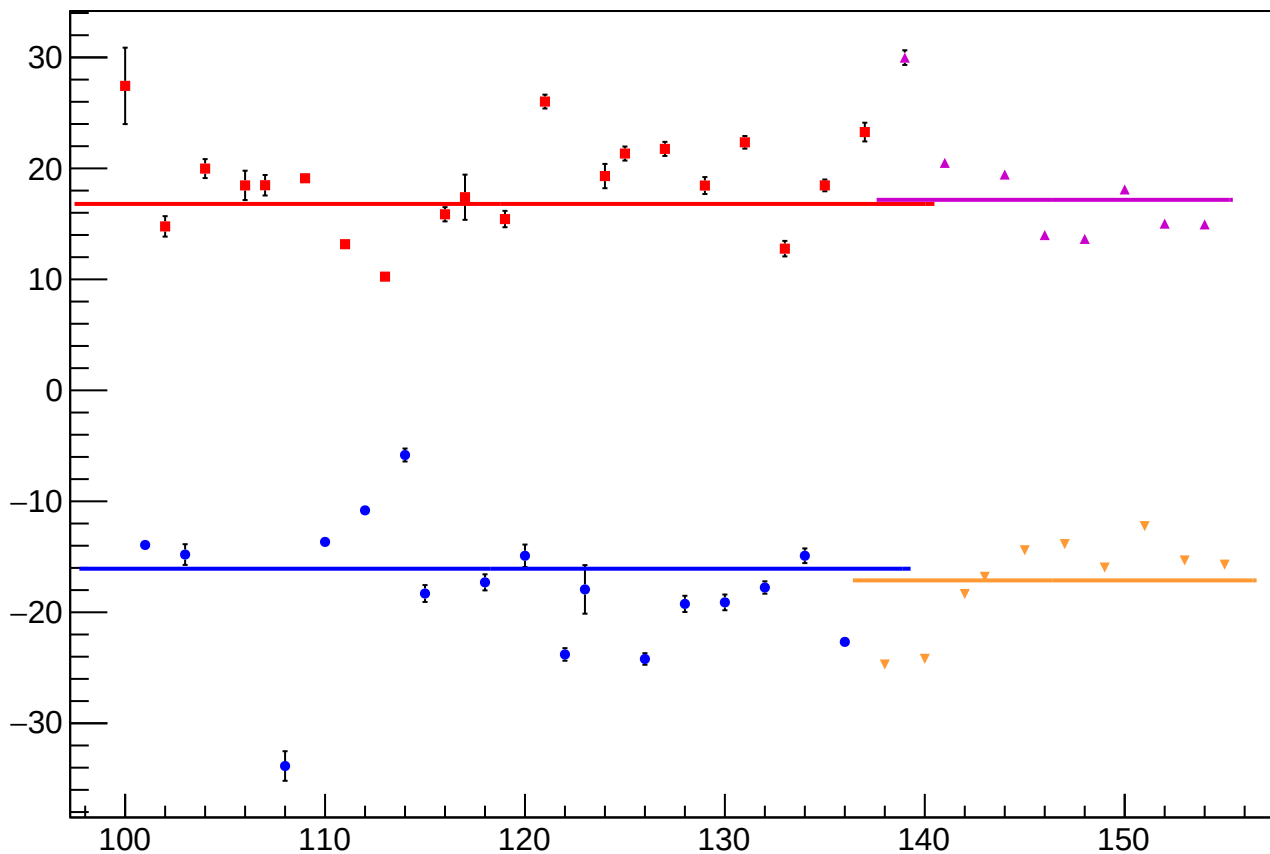
Left In: 52.486 $\pm$ 0.130 χ^2 /NDF:1093.7/7

-57.700 $\pm$ 0.105 χ^2 /NDF: 14049.8/26

1.070 $\pm$ 0.074 χ^2 /NDF: 661392.1/54

60.523 $\pm$ 0.105 χ^2 /NDF: 15775.0/27

reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.073 ± 0.133 χ^2/NDF : 1640.5/16

Left Out: -17.126 ± 0.103 χ^2/NDF : 1553.8/9

Right Out: 16.797 ± 0.128 χ^2/NDF : 1216.1/19

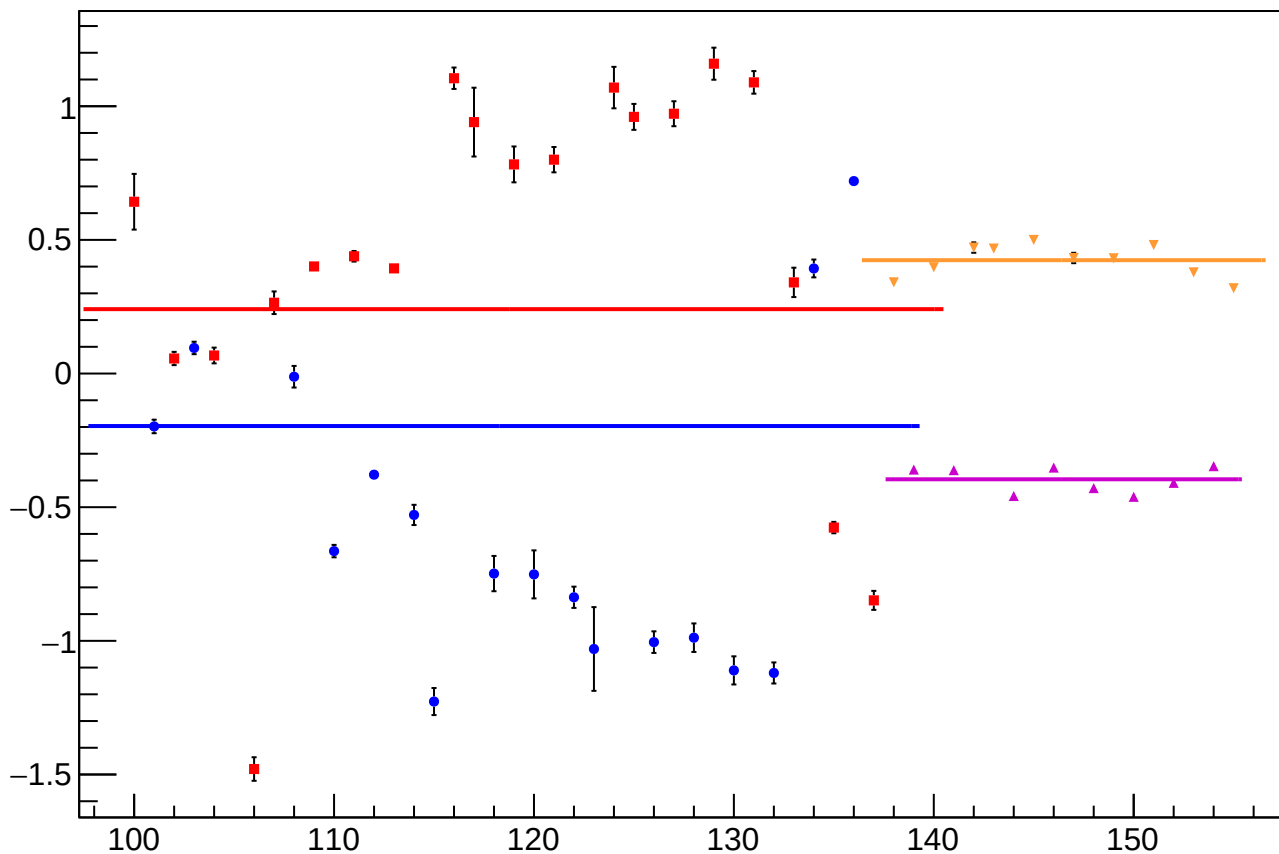
Left In: 17.168 ± 0.109 χ^2/NDF : 996.7/7

-16.728 ± 0.081 χ^2/NDF : 3233.6/26

-0.176 ± 0.058 χ^2/NDF : 89600.9/54

17.012 ± 0.083 χ^2/NDF : 2217.7/27

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.424 ± 0.005 χ^2/NDF : 144.6/9

Right Out: 0.241 ± 0.007 χ^2/NDF : 6218.3/19

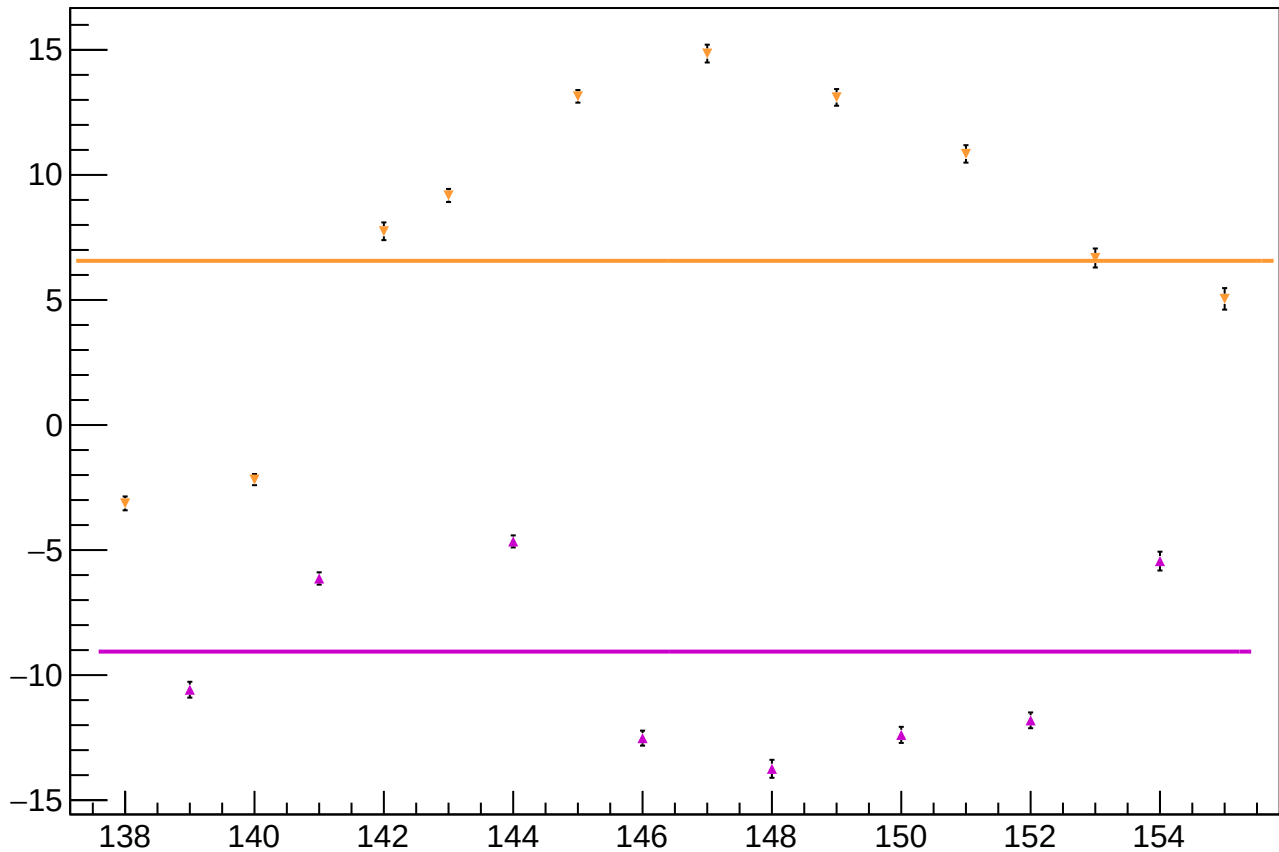
Left In: -0.396 ± 0.005 χ^2/NDF : 73.1/7

0.234 ± 0.004 χ^2/NDF : 11154.0/26

0.037 ± 0.003 χ^2/NDF : 27057.4/54

-0.169 ± 0.004 χ^2/NDF : 11370.5/27

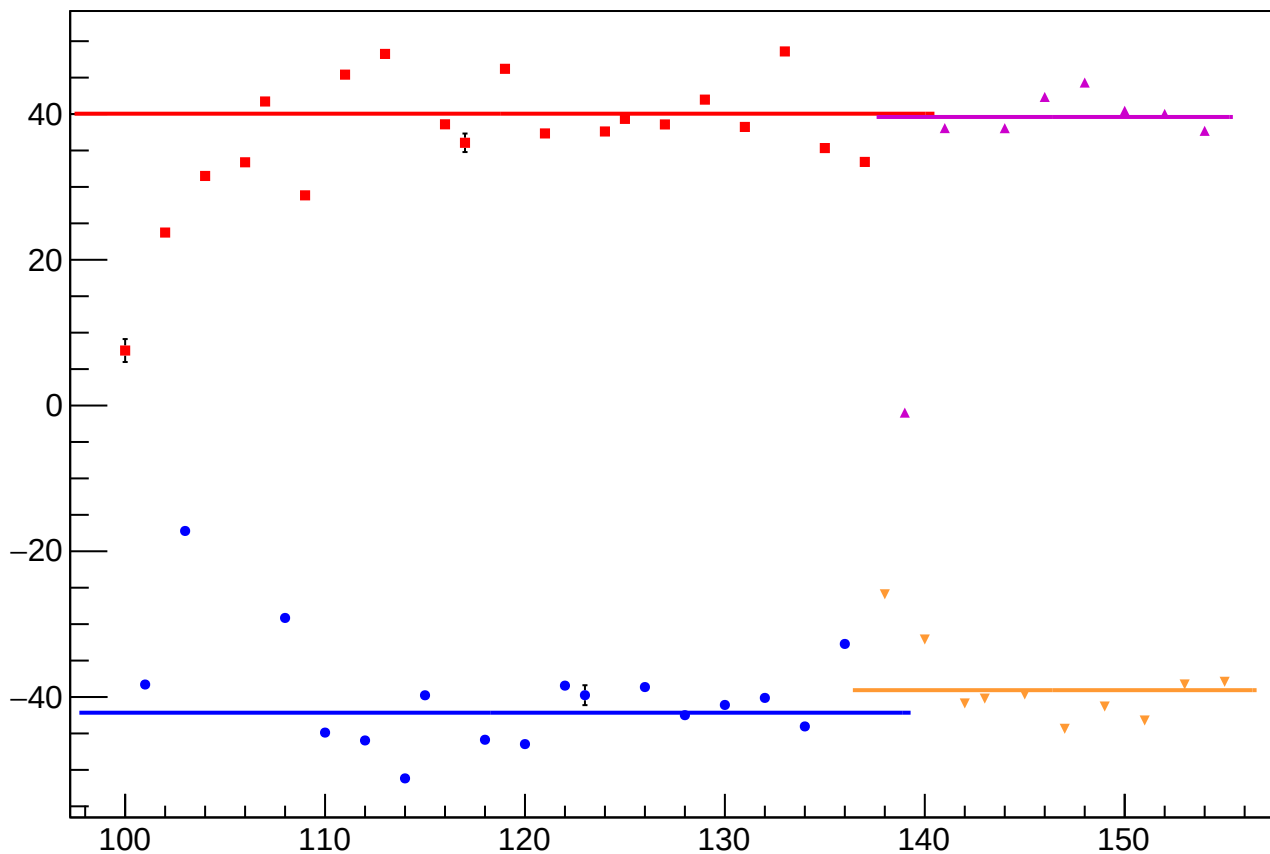
reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 6.566 $\pm$ 0.096 χ^2 /NDF: 4640.4/9
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -9.060 $\pm$ 0.106 χ^2 /NDF: 1076.9/7

6.566 $\pm$ 0.096 χ^2 /NDF: 4640.4/9
 -0.479 $\pm$ 0.071 χ^2 /NDF: 17689.1/17
 -9.060 $\pm$ 0.106 χ^2 /NDF: 1076.9/7

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.153 ± 0.078 χ^2/NDF : 6557.8/16

Left Out: -39.061 ± 0.067 χ^2/NDF : 5496.5/9

Right Out: 40.049 ± 0.073 χ^2/NDF : 11332.1/19

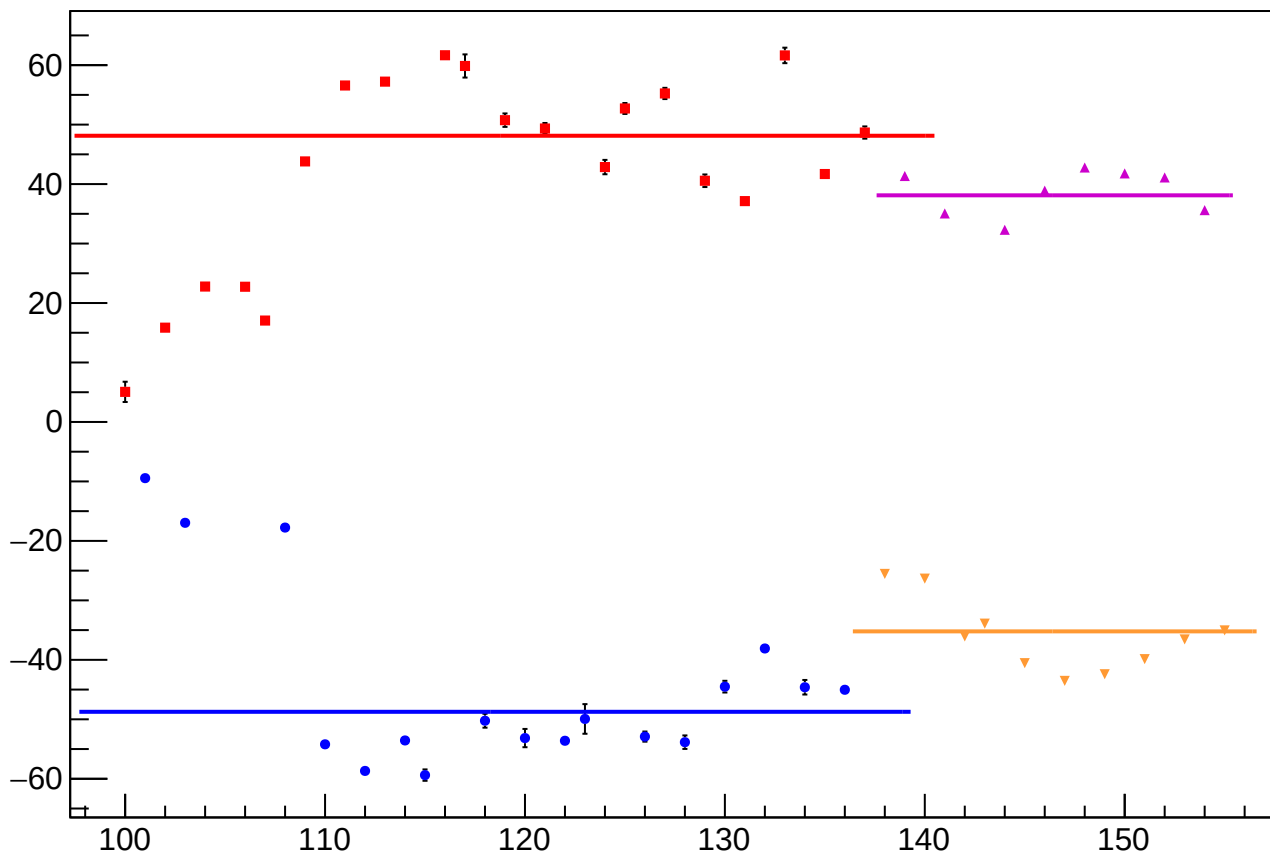
Left In: 39.600 ± 0.074 χ^2/NDF : 6292.8/7

-40.367 ± 0.051 χ^2/NDF : 12961.5/26

-1.025 ± 0.036 χ^2/NDF : 1257618.5/54

39.827 ± 0.052 χ^2/NDF : 17643.8/27

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.737 ± 0.125 χ^2/NDF : 14658.1/16

Left Out: -35.213 ± 0.098 χ^2/NDF : 4223.8/9

Right Out: 48.127 ± 0.107 χ^2/NDF : 11769.6/19

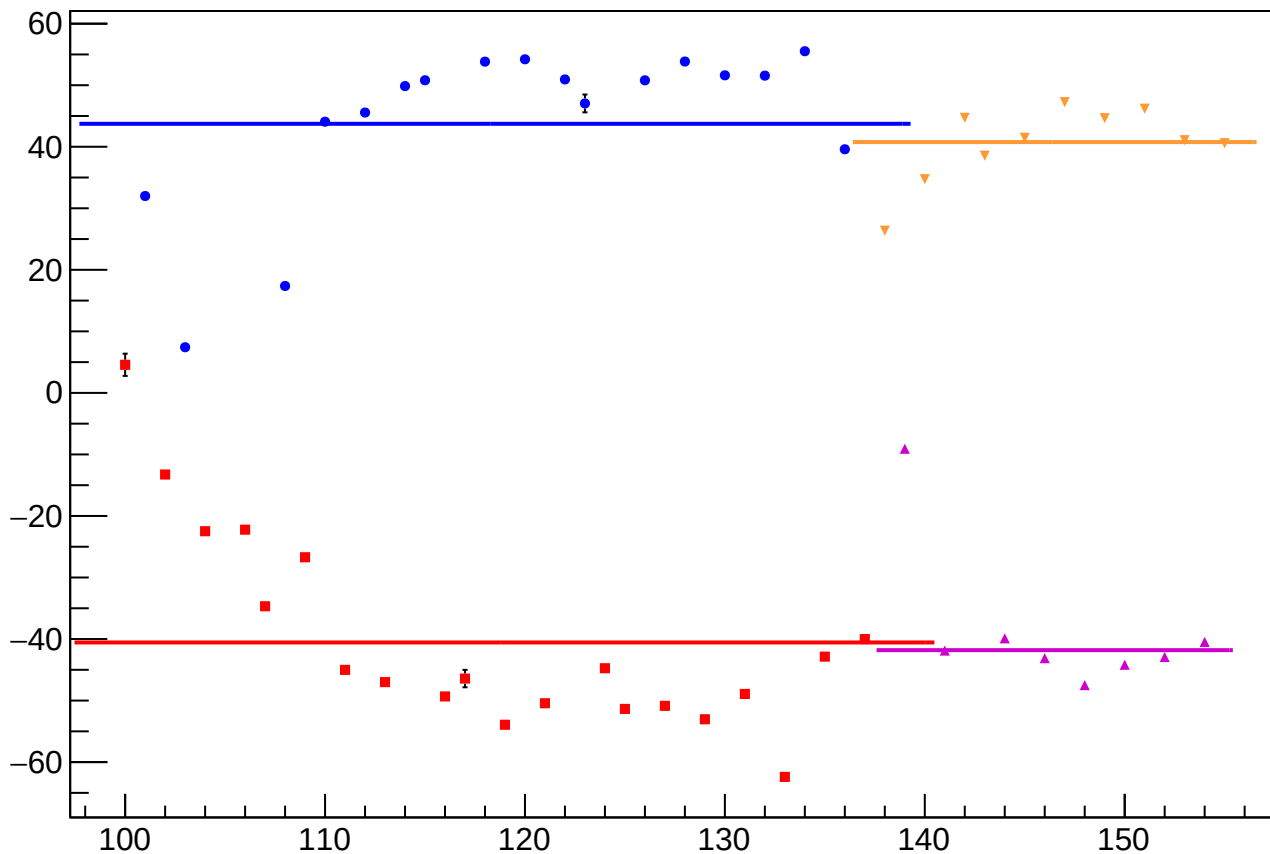
Left In: 38.110 ± 0.106 χ^2/NDF : 1229.2/7

-40.359 ± 0.077 χ^2/NDF : 26184.1/26

2.196 ± 0.054 χ^2/NDF : 644898.0/54

43.064 ± 0.075 χ^2/NDF : 17423.3/27

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.731±/0.087 χ^2/NDF : 10567.7/16

Left Out: 40.762±/0.081 χ^2/NDF : 4646.8/9

Right Out: -40.556±/0.080 χ^2/NDF : 17618.6/19

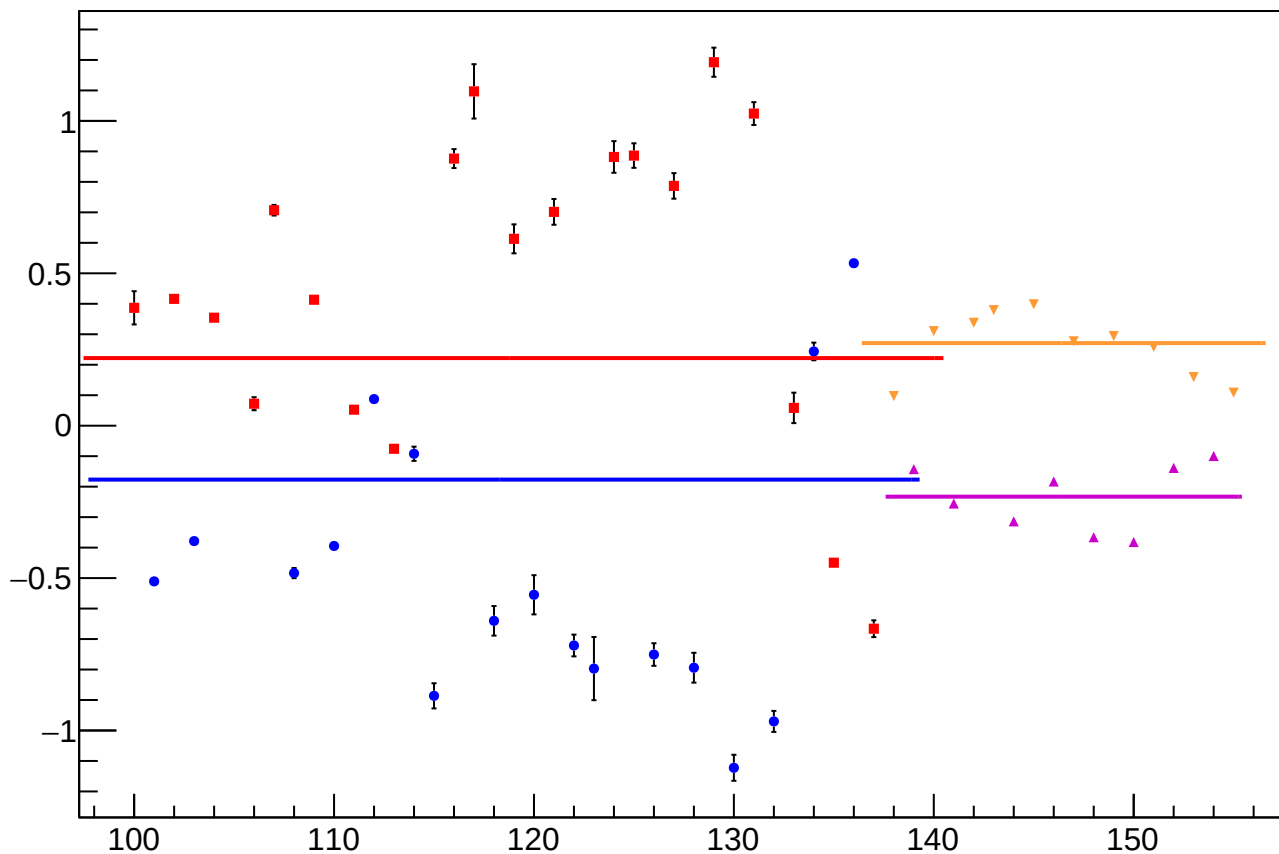
Left In: -41.808±/0.090 χ^2/NDF : 4385.9/7

42.149±/0.059 χ^2/NDF : 15837.3/26

0.740±/0.042 χ^2/NDF : 1016656.4/54

-41.113±/0.060 χ^2/NDF : 22113.1/27

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.177 ± 0.005 χ^2/NDF : 7364.7/16

Left Out: 0.271 ± 0.004 χ^2/NDF : 703.2/9

Right Out: 0.222 ± 0.004 χ^2/NDF : 7527.0/19

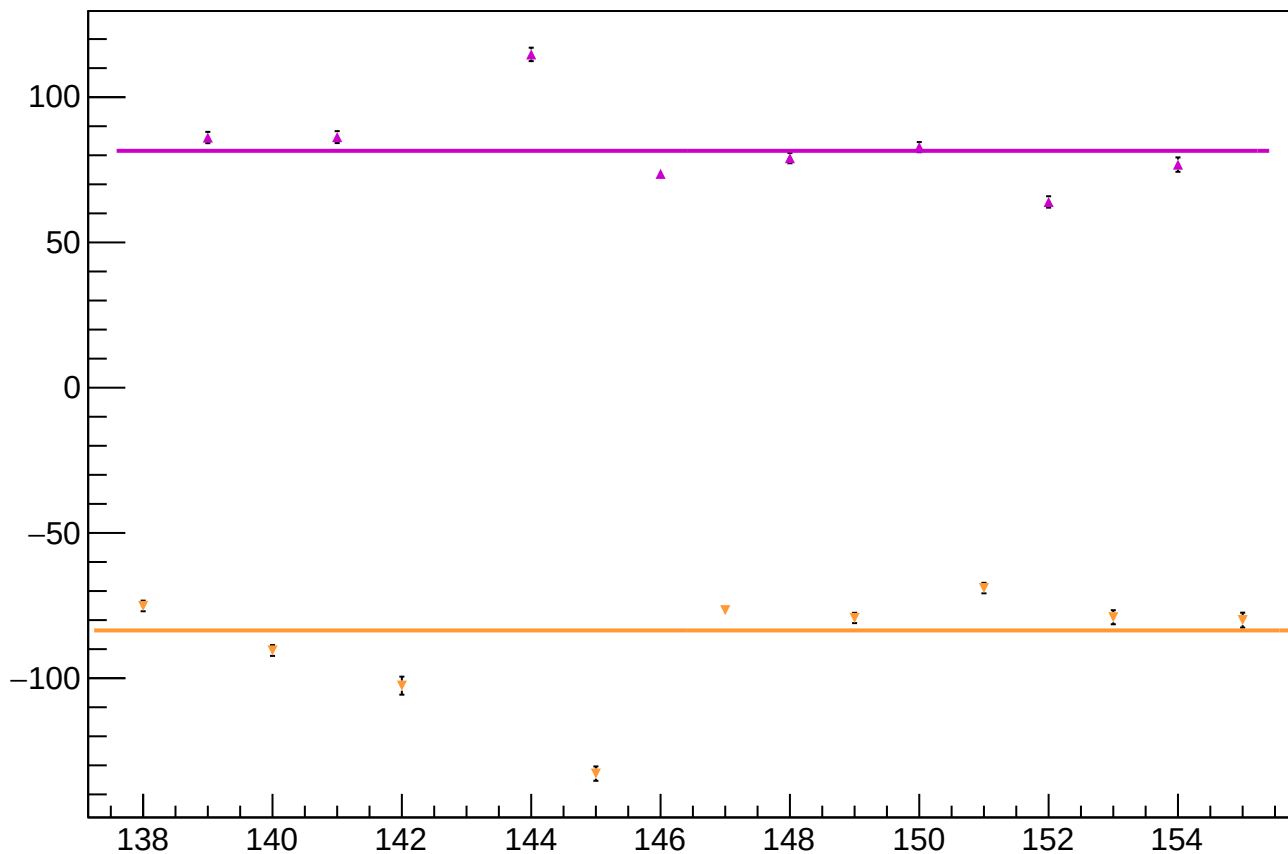
Left In: -0.233 ± 0.004 χ^2/NDF : 527.9/7

0.091 ± 0.003 χ^2/NDF : 13187.5/26

0.043 ± 0.002 χ^2/NDF : 27297.7/54

-0.004 ± 0.003 χ^2/NDF : 13624.1/27

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -83.555+/-0.684 χ^2/NDF : 561.4/8

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

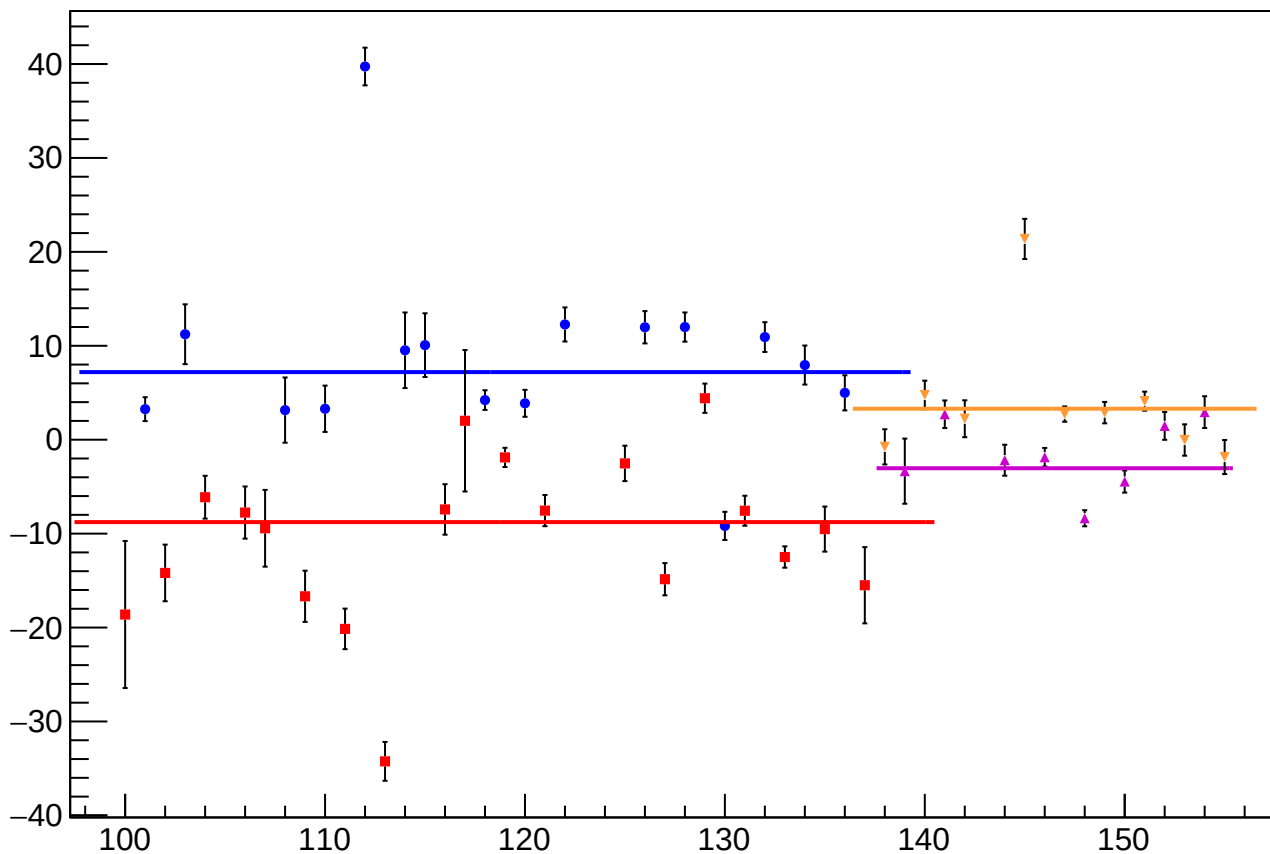
Left In: 81.533+/-0.689 χ^2/NDF : 324.7/7

-83.555+/-0.684 χ^2/NDF : 561.4/8

-1.631+/-0.485 χ^2/NDF : 29808.9/16

81.533+/-0.689 χ^2/NDF : 324.7/7

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.199 $\pm$ 0.440 χ^2/NDF : 443.8/15

Left Out: 3.298 $\pm$ 0.443 χ^2/NDF : 90.6/8

Right Out: -8.772 $\pm$ 0.447 χ^2/NDF : 351.7/18

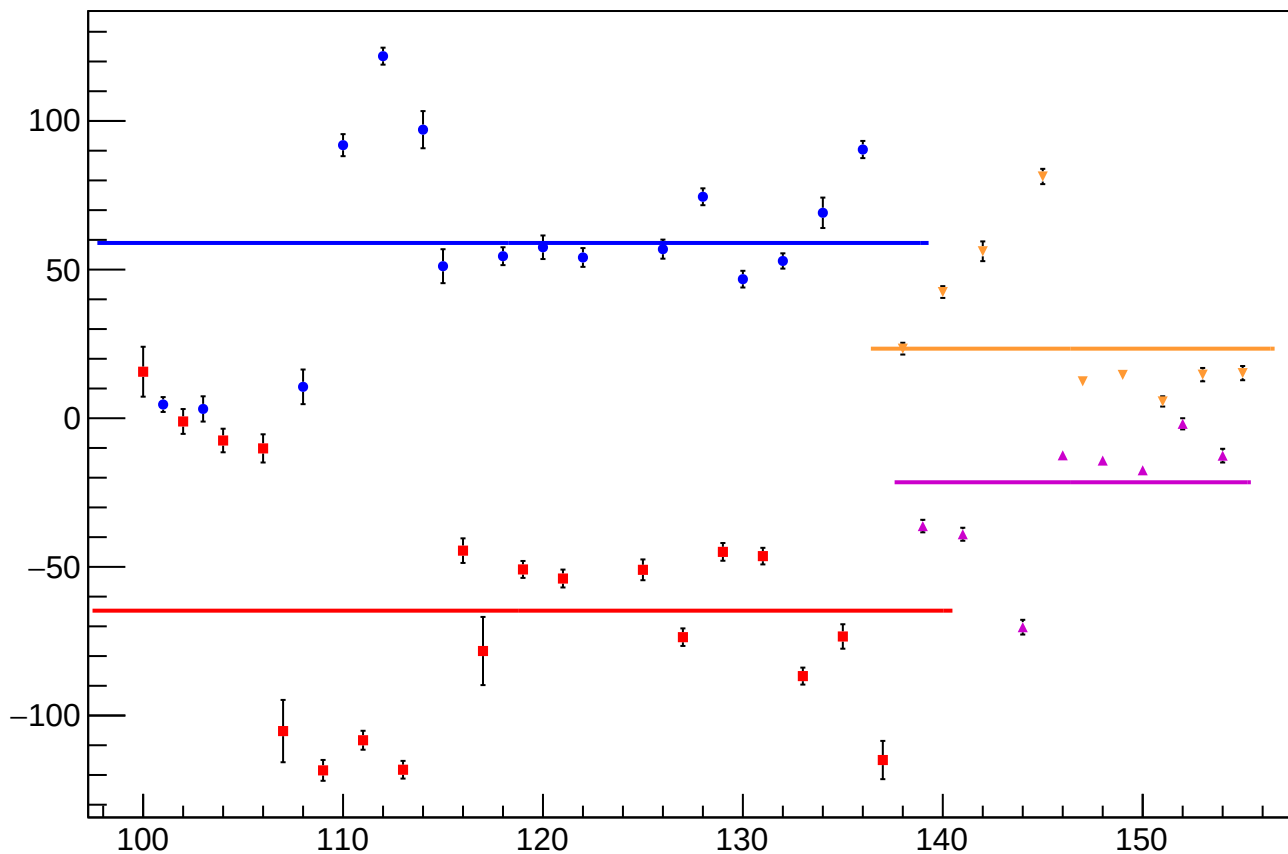
Left In: -3.036 $\pm$ 0.455 χ^2/NDF : 78.9/7

5.262 $\pm$ 0.312 χ^2/NDF : 573.5/24

-0.221 $\pm$ 0.223 χ^2/NDF : 1717.3/51

-5.957 $\pm$ 0.319 χ^2/NDF : 511.4/26

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.962+/-0.837 χ^2/NDF : 1496.5/15

Left Out: 23.404+/-0.673 χ^2/NDF : 905.4/8

Right Out: -64.728+/-0.838 χ^2/NDF : 1723.2/18

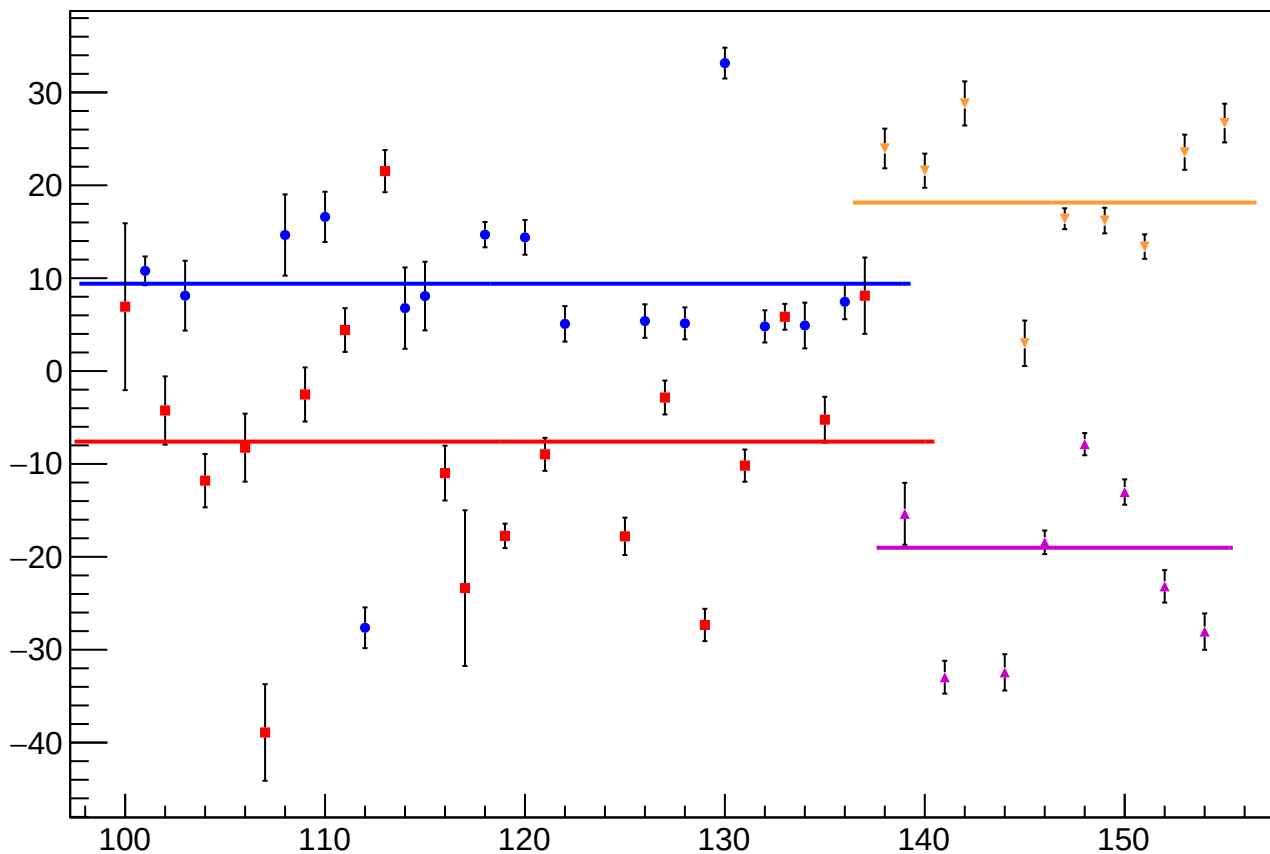
Left In: -21.539+/-0.676 χ^2/NDF : 681.4/7

37.361+/-0.524 χ^2/NDF : 3498.4/24

-0.481+/-0.371 χ^2/NDF : 17962.8/51

-38.565+/-0.526 χ^2/NDF : 4014.5/26

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: 18.141 $\pm$ 0.554 χ^2 /NDF: 111.8/8

Right Out: -7.593 $\pm$ 0.514 χ^2 /NDF: 573.4/18

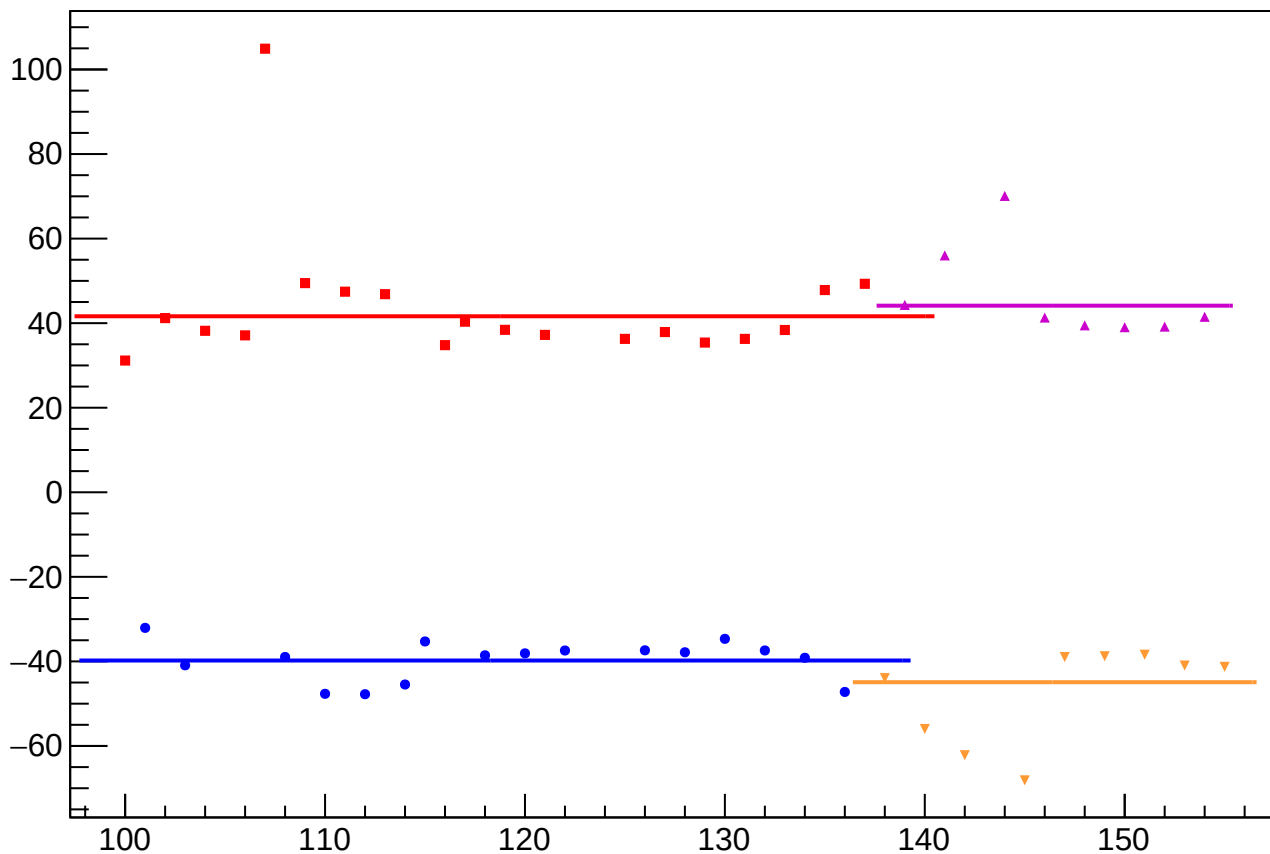
Left In: -19.021 $\pm$ 0.567 χ^2 /NDF: 243.8/7

13.387 $\pm$ 0.374 χ^2 /NDF: 796.8/24

0.556 $\pm$ 0.267 χ^2 /NDF: 4237.3/51

-12.750 $\pm$ 0.381 χ^2 /NDF: 1040.3/26

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.791 ± 0.031 χ^2/NDF : 26138.6/15

Left Out: -44.923 ± 0.028 χ^2/NDF : 110703.1/8

Right Out: 41.631 ± 0.031 χ^2/NDF : 94399.1/18

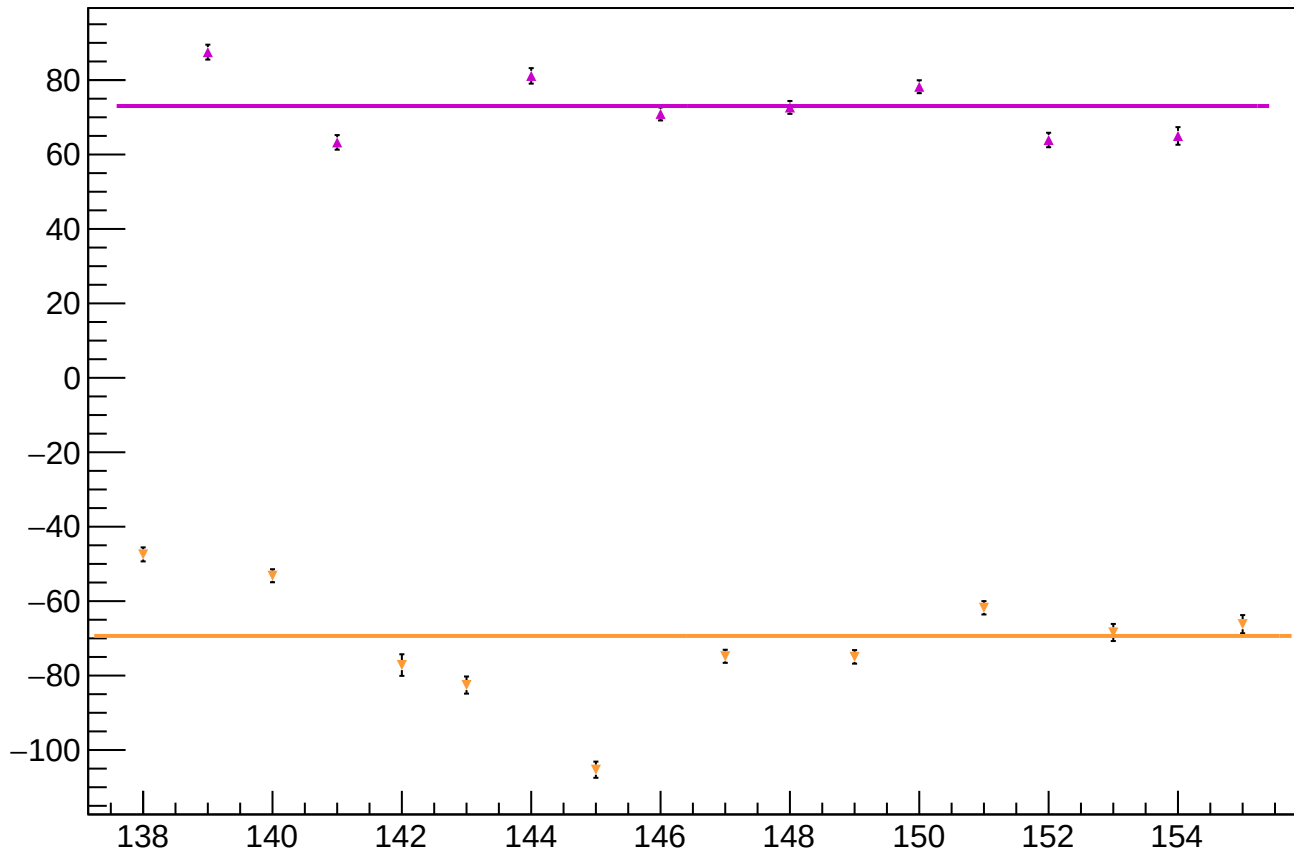
Left In: 44.135 ± 0.028 χ^2/NDF : 91530.4/7

-42.658 ± 0.021 χ^2/NDF : 151928.9/24

0.334 ± 0.015 χ^2/NDF : 8901529.4/51

43.032 ± 0.021 χ^2/NDF : 189543.8/26

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -69.351+/-0.643 χ^2/NDF : 572.5/9

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

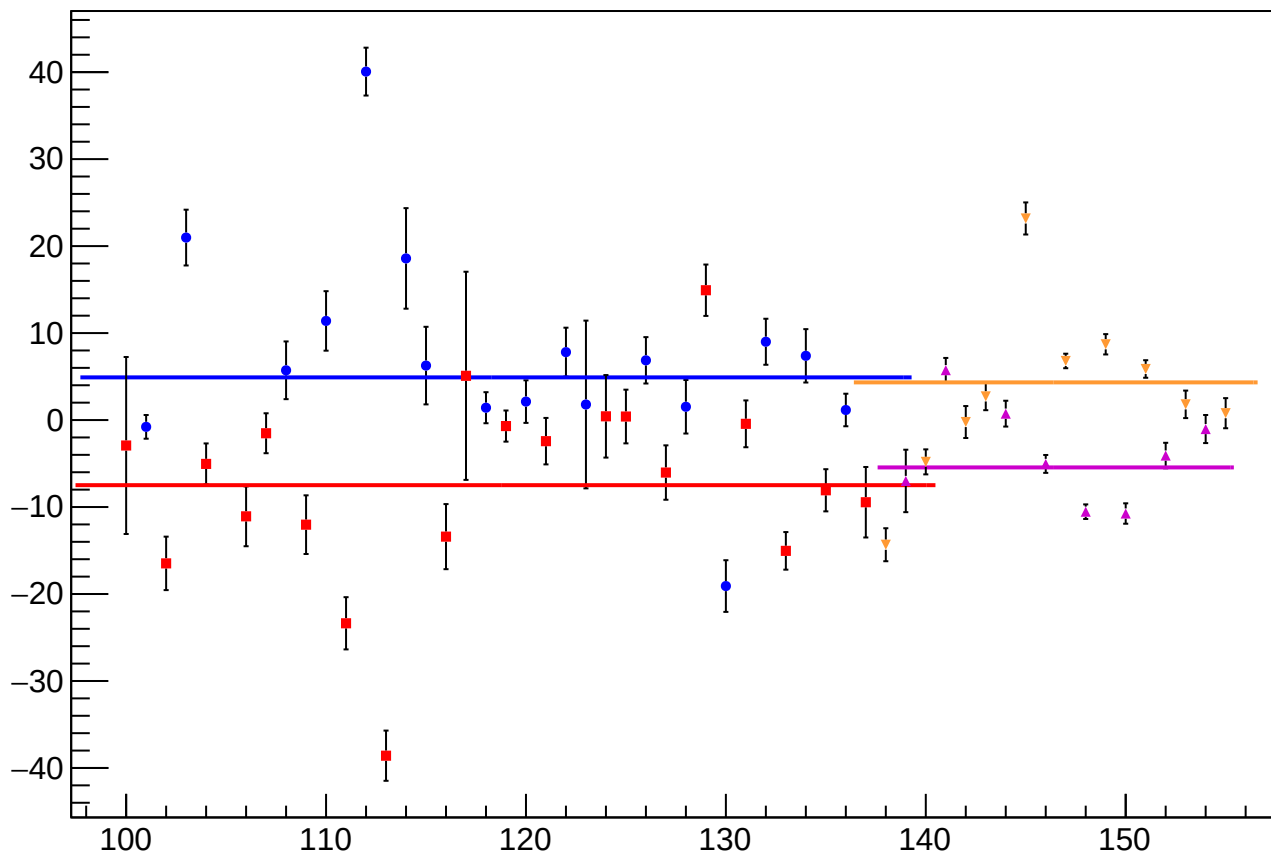
Left In: 73.031+/-0.679 χ^2/NDF : 135.9/7

-69.351+/-0.643 χ^2/NDF : 572.5/9

-2.024+/-0.467 χ^2/NDF : 23874.4/17

73.031+/-0.679 χ^2/NDF : 135.9/7

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.907 ± 0.628 χ^2/NDF : 295.4/16

Left Out: 4.331 ± 0.421 χ^2/NDF : 280.7/9

Right Out: -7.486 ± 0.650 χ^2/NDF : 271.7/19

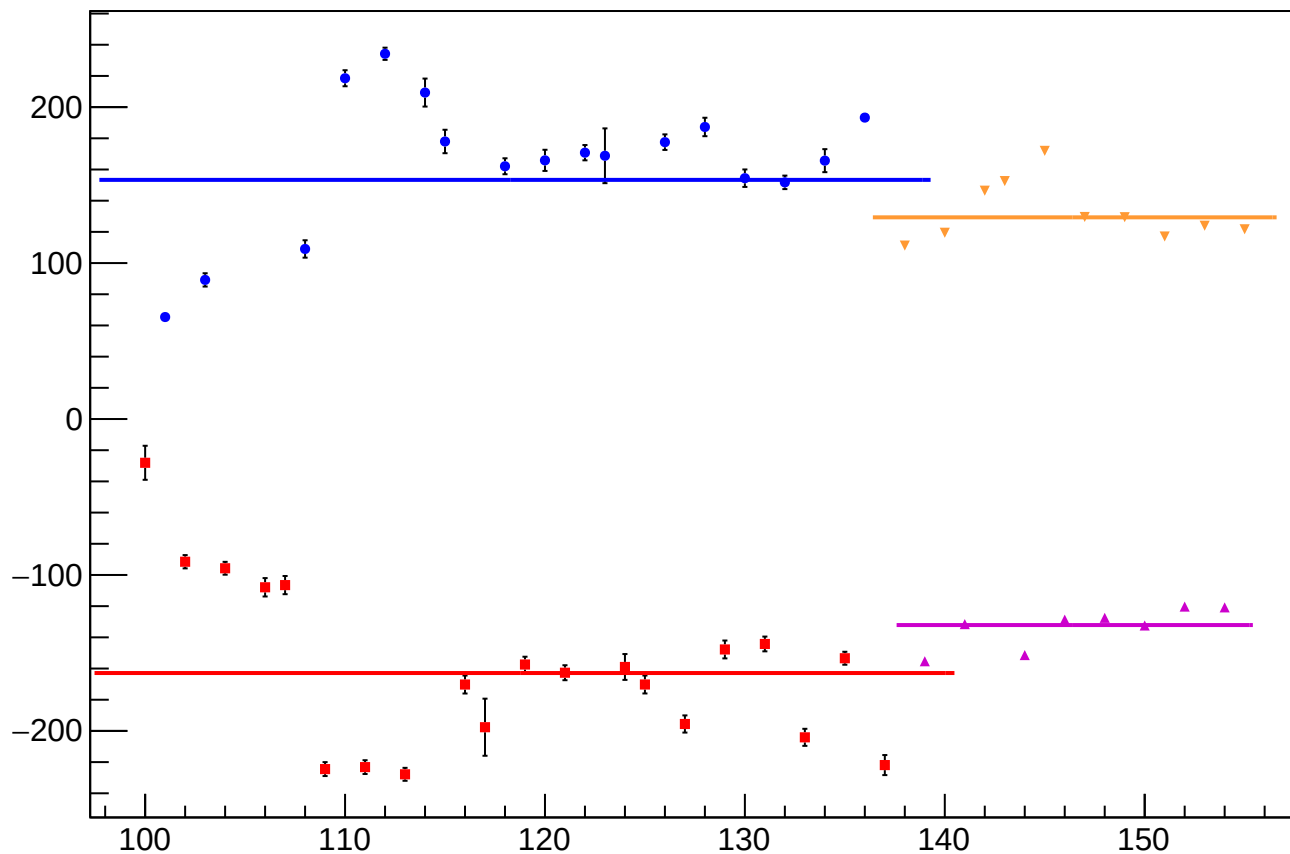
Left In: -5.446 ± 0.448 χ^2/NDF : 146.7/7

4.510 ± 0.350 χ^2/NDF : 576.7/26

-0.517 ± 0.254 χ^2/NDF : 1437.8/54

-6.104 ± 0.369 χ^2/NDF : 425.1/27

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 153.350+/-1.150 χ^2/NDF : 2268.3/16

Left Out: 129.325+/-0.638 χ^2/NDF : 647.9/9

Right Out: -162.878+/-1.174 χ^2/NDF : 1712.4/19

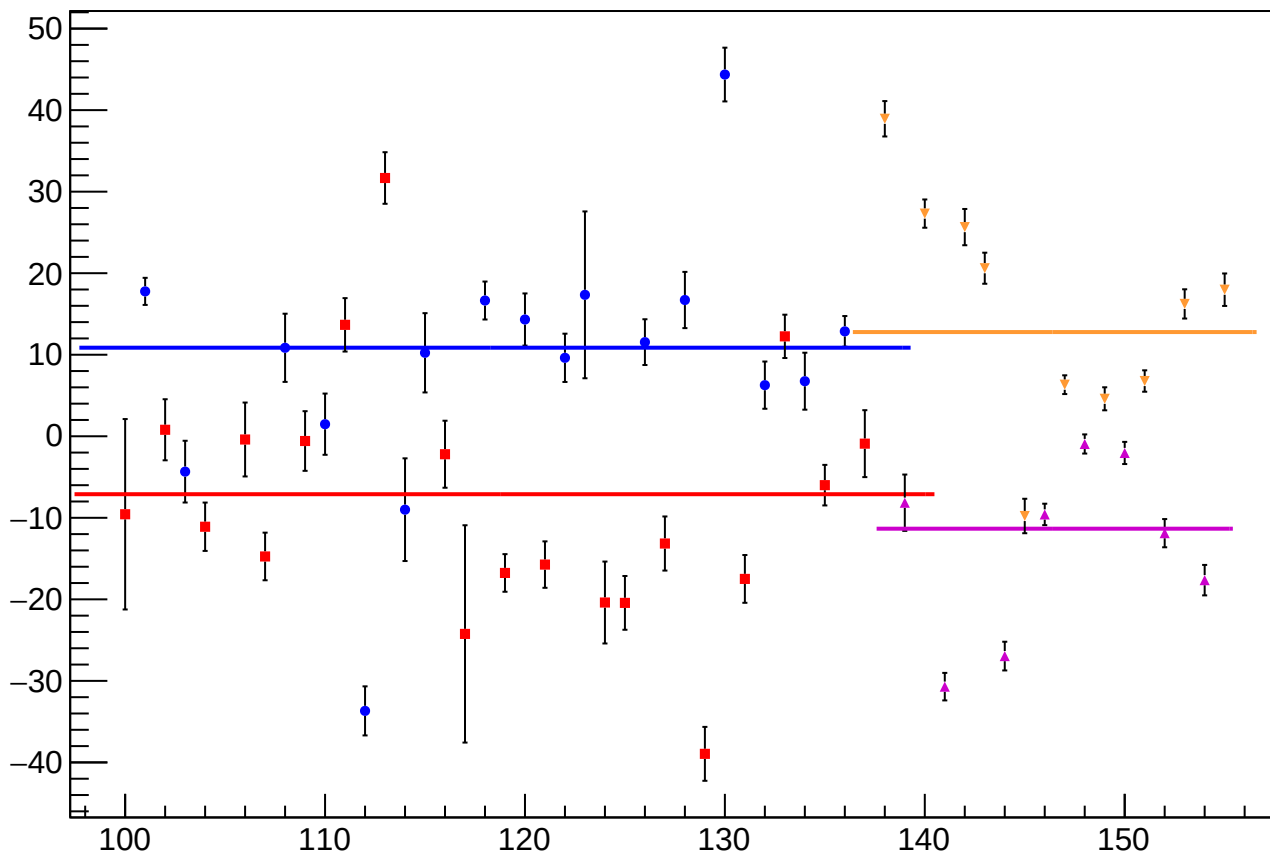
Left In: -132.115+/-0.667 χ^2/NDF : 268.3/7

134.978+/-0.558 χ^2/NDF : 3249.8/26

2.995+/-0.402 χ^2/NDF : 122172.6/54

-139.616+/-0.580 χ^2/NDF : 2499.4/27

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.864 $\pm$ 0.719 χ^2 /NDF: 387.9/16

Left Out: 12.782 $\pm$ 0.524 χ^2 /NDF: 476.4/9

Right Out: -7.106 $\pm$ 0.746 χ^2 /NDF: 426.4/19

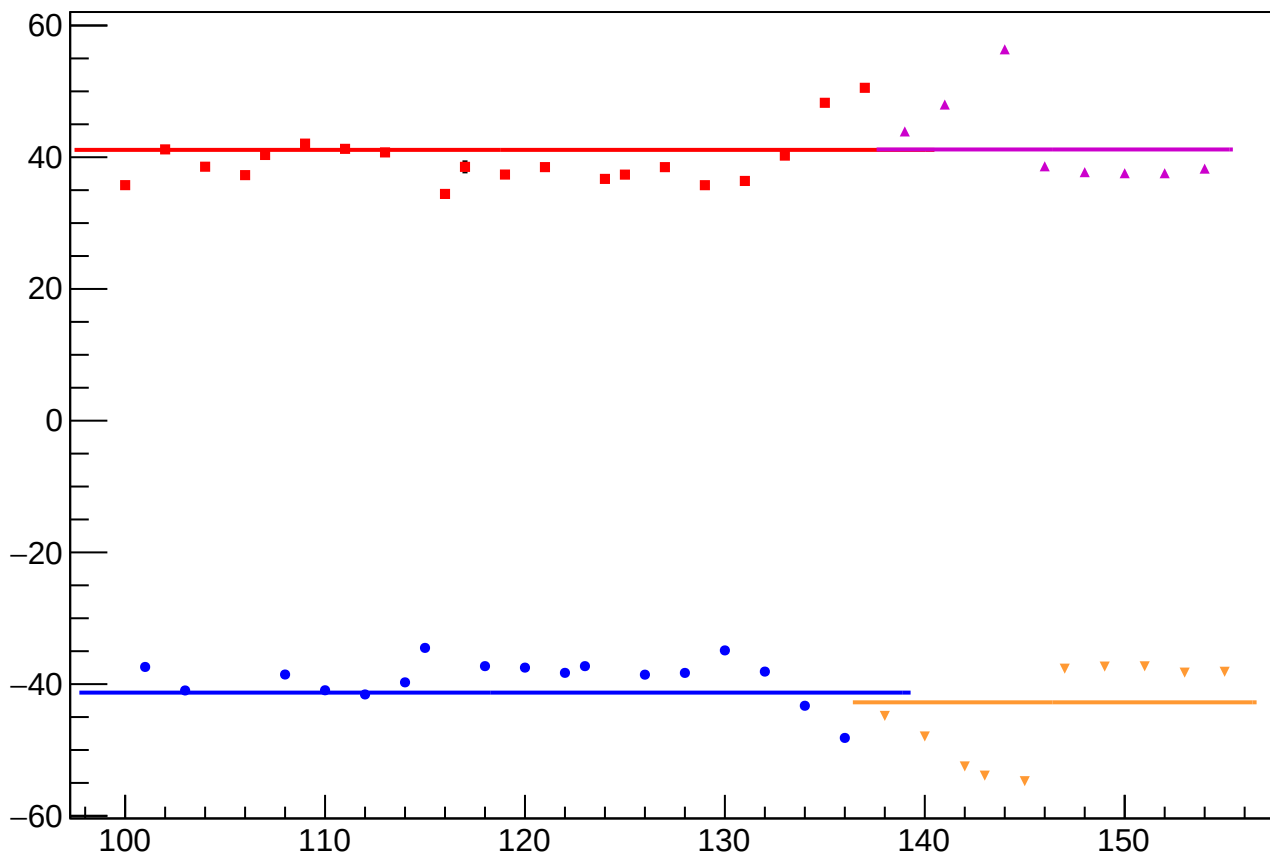
Left In: -11.335 $\pm$ 0.557 χ^2 /NDF: 349.5/7

12.118 $\pm$ 0.423 χ^2 /NDF: 869.0/26

1.731 $\pm$ 0.307 χ^2 /NDF: 2937.0/54

-9.822 $\pm$ 0.446 χ^2 /NDF: 796.5/27

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: -42.764 ± 0.026 $\chi^2/\text{NDF}: 63434.6/9$

Right Out: 41.115 ± 0.039 $\chi^2/\text{NDF}: 12120.1/19$

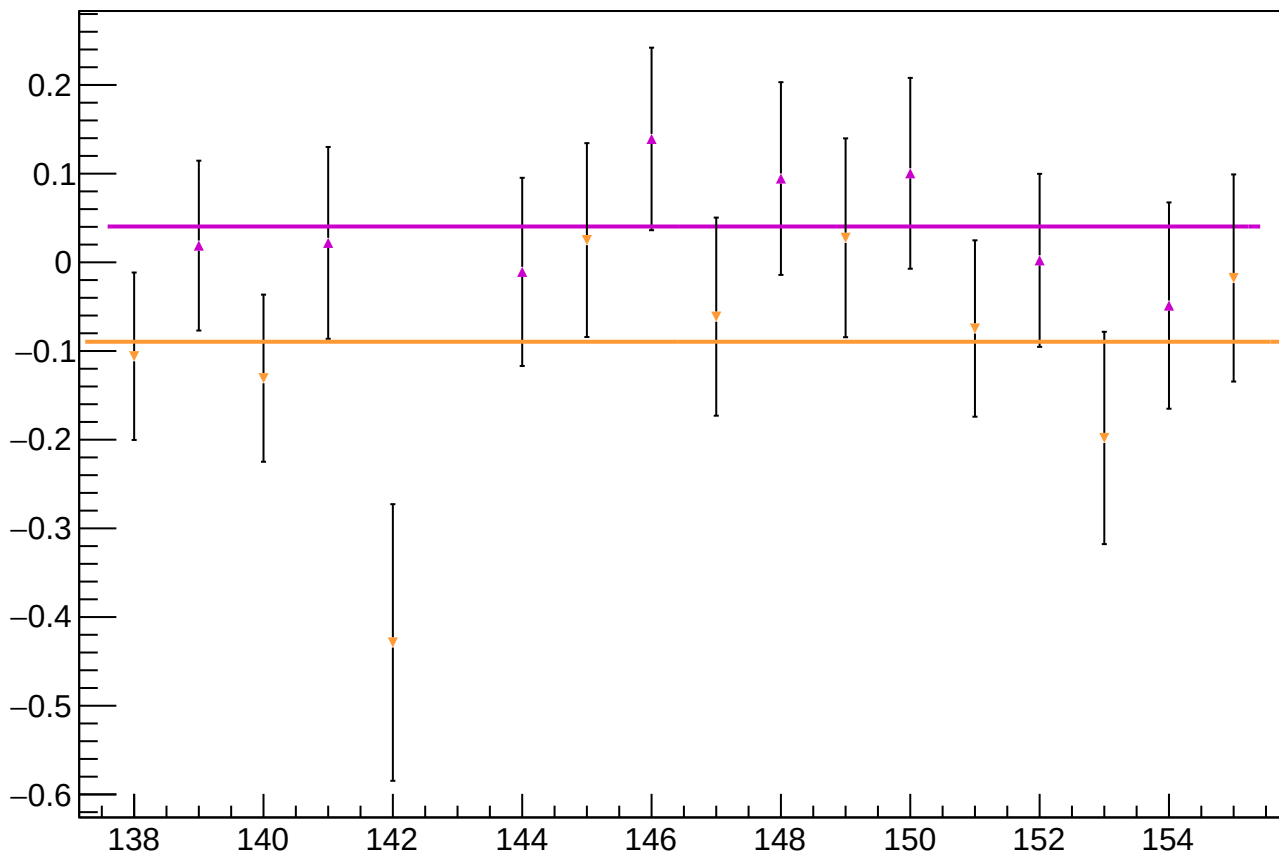
Left In: 41.177 ± 0.027 $\chi^2/\text{NDF}: 42101.6/7$

-42.299 ± 0.022 $\chi^2/\text{NDF}: 76943.8/26$

-1.712 ± 0.016 $\chi^2/\text{NDF}: 7342609.4/54$

41.156 ± 0.022 $\chi^2/\text{NDF}: 54223.4/27$

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.090 $\pm$ 0.036 χ^2 /NDF: 8.4/8

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

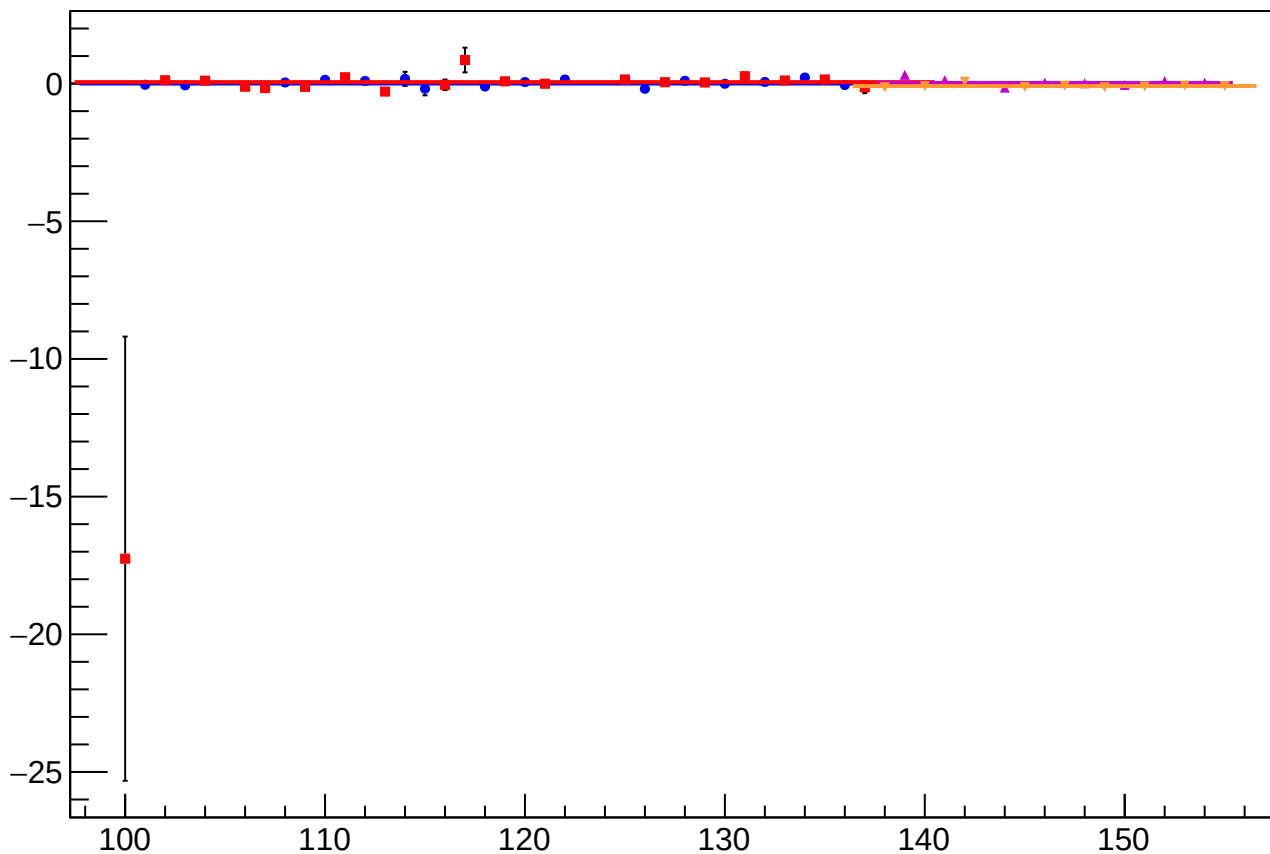
Left In: 0.040 $\pm$ 0.037 χ^2 /NDF: 2.5/7

-0.090 $\pm$ 0.036 χ^2 /NDF: 8.4/8

-0.026 $\pm$ 0.026 χ^2 /NDF: 17.2/16

0.040 $\pm$ 0.037 χ^2 /NDF: 2.5/7

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.003+/-0.029 χ^2/NDF : 12.4/15

Left Out: -0.090+/-0.025 χ^2/NDF : 3.2/8

Right Out: 0.053+/-0.029 χ^2/NDF : 28.8/18

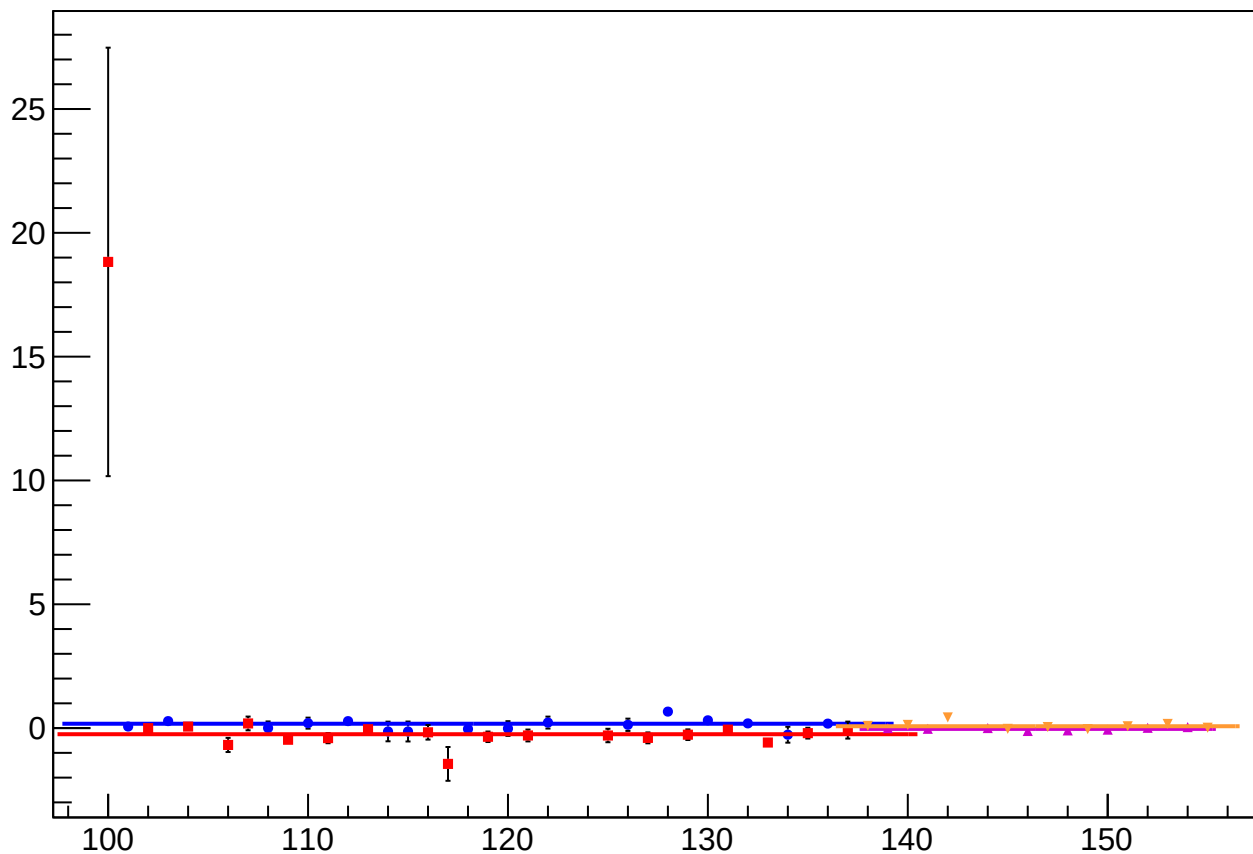
Left In: 0.023+/-0.026 χ^2/NDF : 11.5/7

-0.050+/-0.019 χ^2/NDF : 21.7/24

-0.008+/-0.013 χ^2/NDF : 72.8/51

0.036+/-0.019 χ^2/NDF : 40.9/26

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.176 ± 0.053 $\chi^2/\text{NDF}: 13.0/15$

Left Out: 0.075 ± 0.036 $\chi^2/\text{NDF}: 8.0/8$

Right Out: -0.247 ± 0.054 $\chi^2/\text{NDF}: 24.7/18$

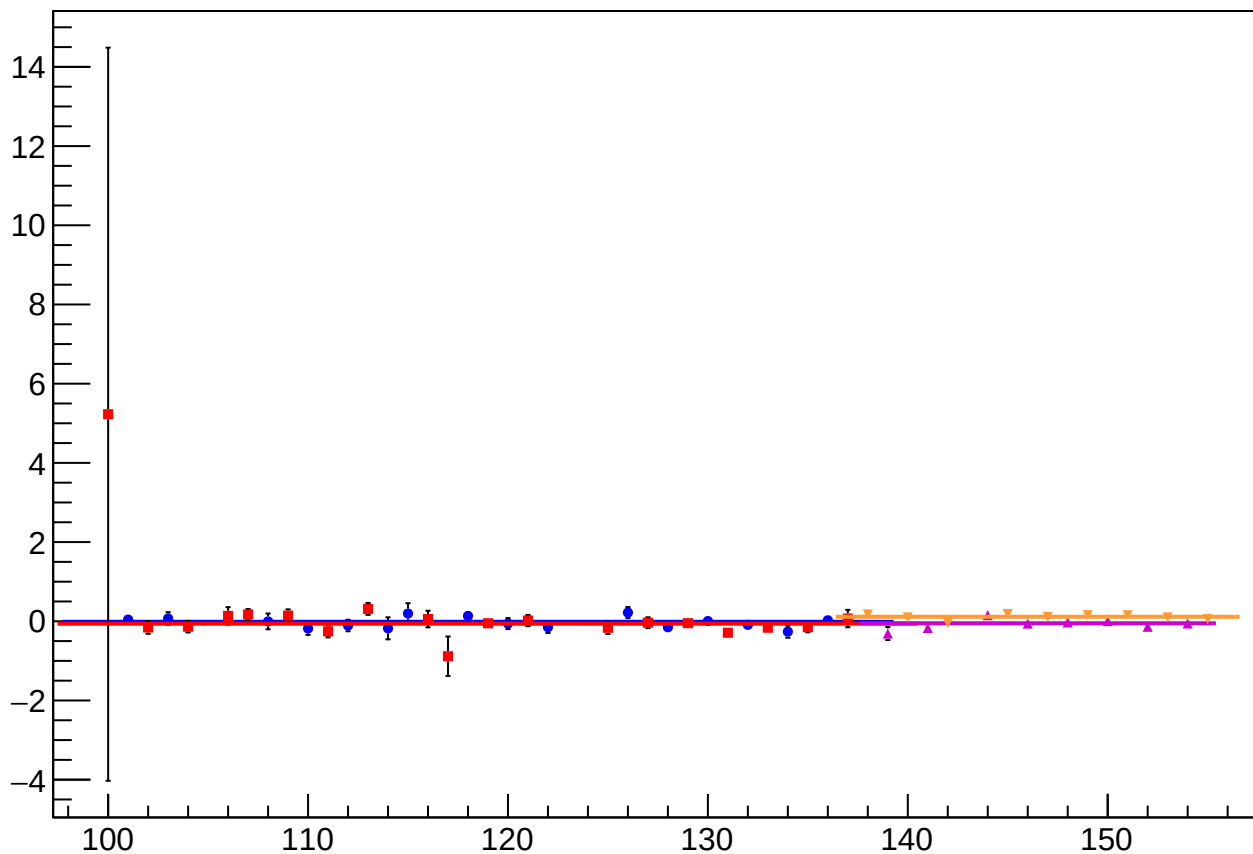
Left In: -0.033 ± 0.037 $\chi^2/\text{NDF}: 2.0/7$

0.107 ± 0.030 $\chi^2/\text{NDF}: 23.5/24$

0.005 ± 0.021 $\chi^2/\text{NDF}: 85.1/51$

-0.101 ± 0.030 $\chi^2/\text{NDF}: 37.6/26$

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.114 ± 0.030 χ^2/NDF : 3.4/8

Right Out: -0.061 ± 0.034 χ^2/NDF : 23.1/18

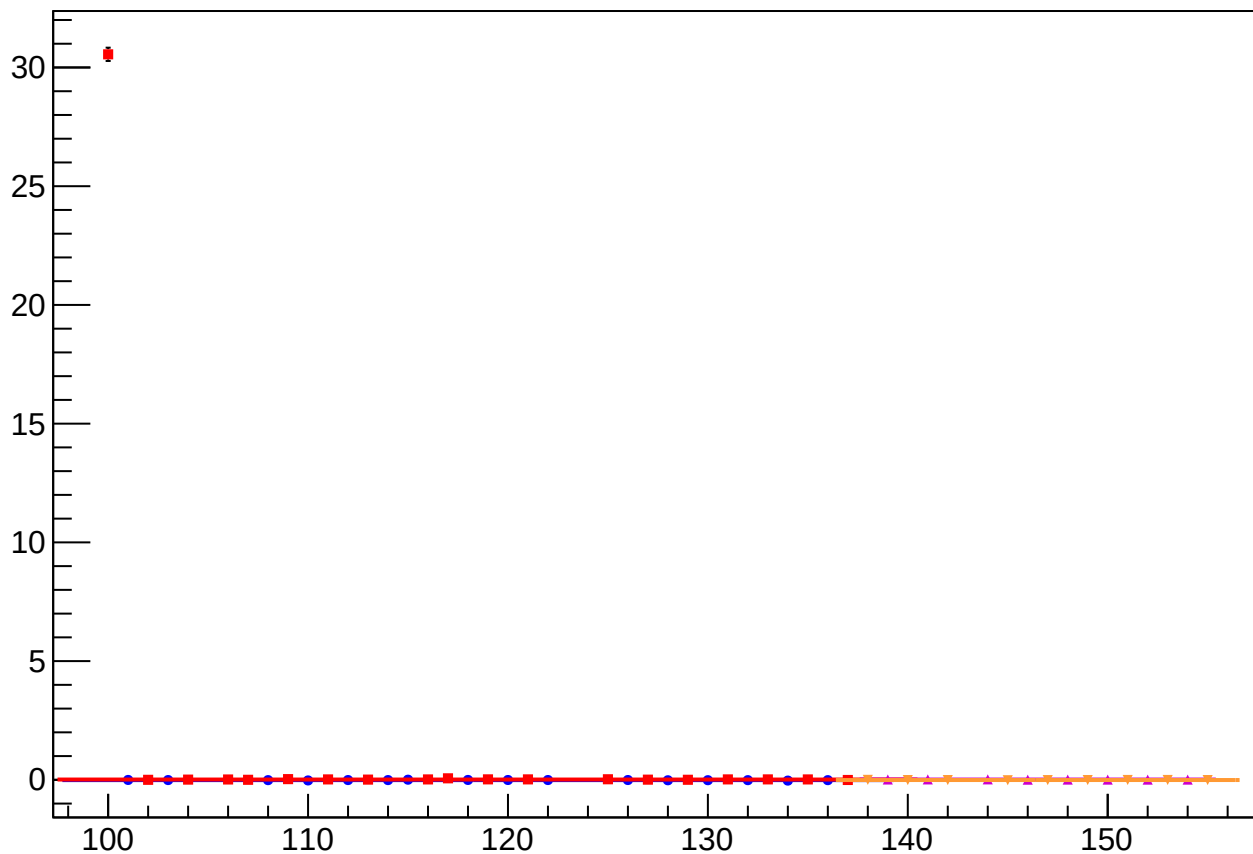
Left In: -0.050 ± 0.031 χ^2/NDF : 10.8/7

0.055 ± 0.022 χ^2/NDF : 25.1/24

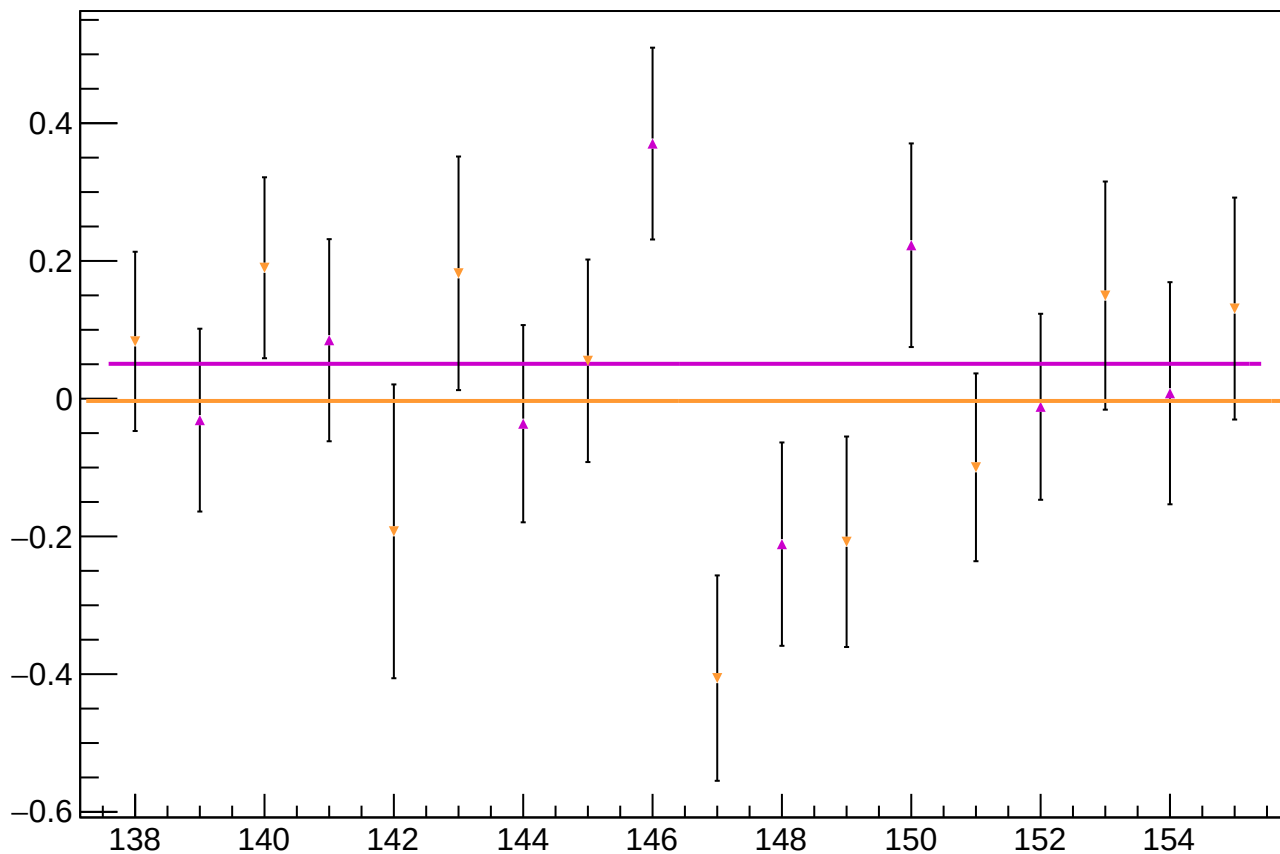
0.002 ± 0.016 χ^2/NDF : 70.9/51

-0.055 ± 0.023 χ^2/NDF : 34.0/26

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.003 $\pm$ 0.048 χ^2 /NDF: 15.9/9

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

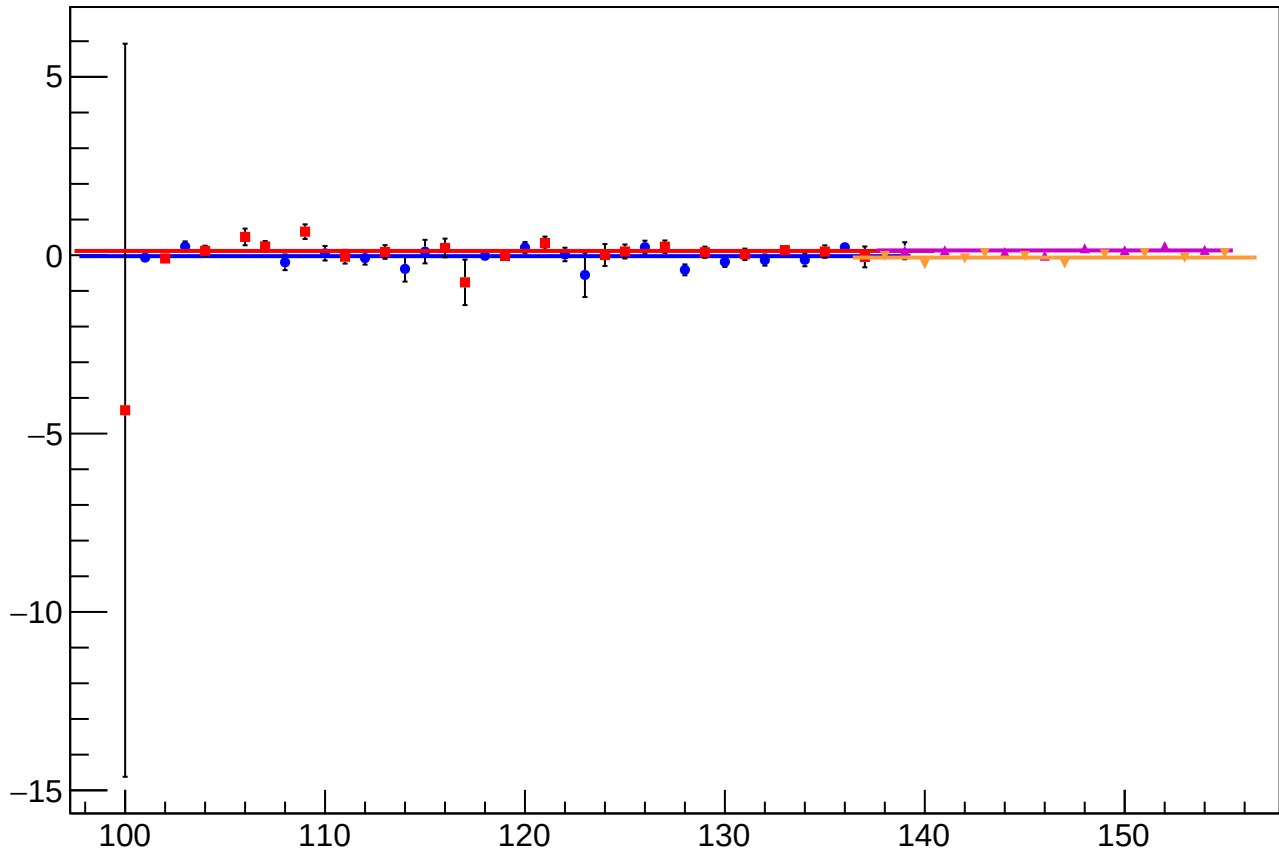
Left In: 0.051 $\pm$ 0.051 χ^2 /NDF: 10.9/7

-0.003 $\pm$ 0.048 χ^2 /NDF: 15.9/9

0.022 $\pm$ 0.035 χ^2 /NDF: 27.3/17

0.051 $\pm$ 0.051 χ^2 /NDF: 10.9/7

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.026 ± 0.037 χ^2/NDF : 22.7/16

Left Out: -0.065 ± 0.032 χ^2/NDF : 14.1/9

Right Out: 0.120 ± 0.039 χ^2/NDF : 20.2/19

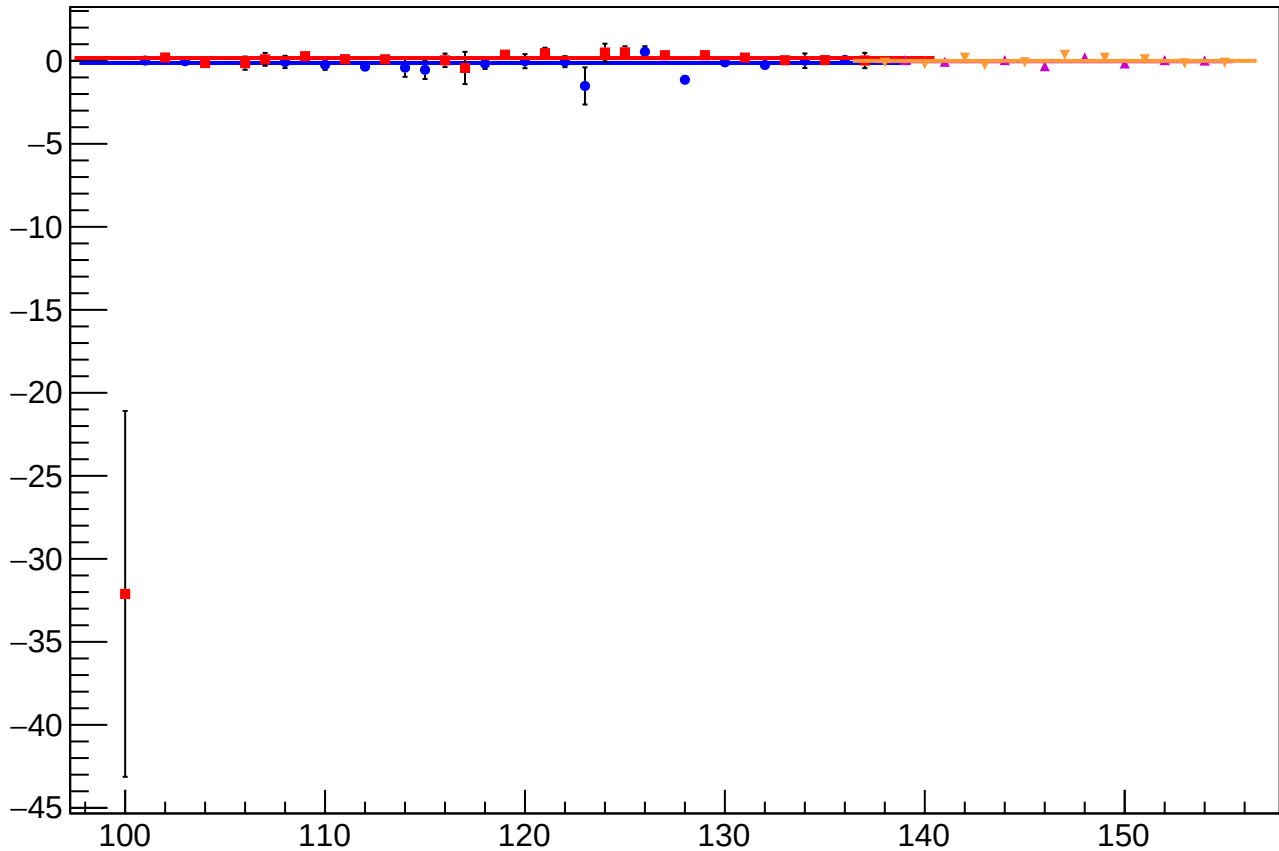
Left In: 0.134 ± 0.035 χ^2/NDF : 5.6/7

-0.048 ± 0.024 χ^2/NDF : 37.5/26

0.034 ± 0.018 χ^2/NDF : 87.6/54

0.128 ± 0.026 χ^2/NDF : 25.9/27

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.129 ± 0.067 χ^2/NDF : 23.1/16

Left Out: -0.003 ± 0.048 χ^2/NDF : 16.0/9

Right Out: 0.169 ± 0.071 χ^2/NDF : 15.3/19

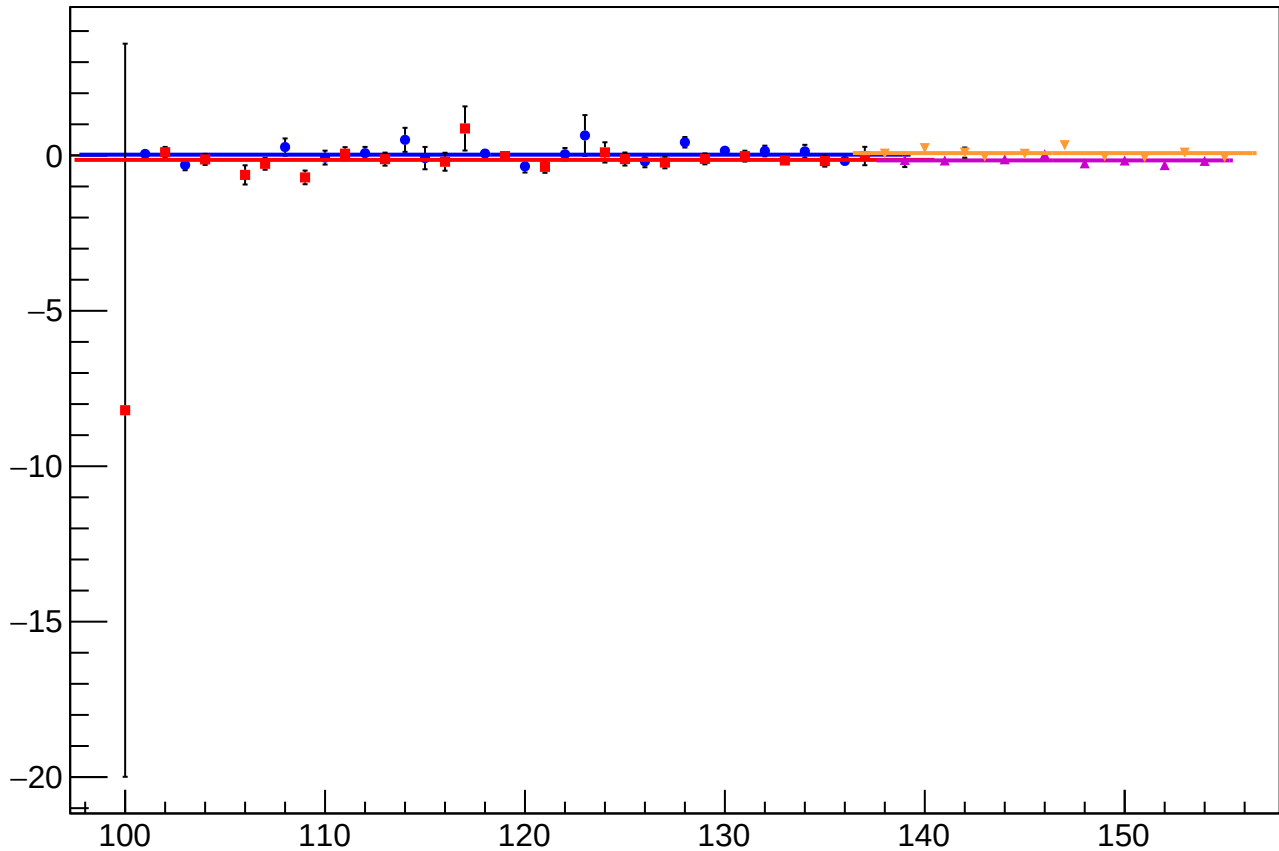
Left In: -0.028 ± 0.050 χ^2/NDF : 9.5/7

-0.045 ± 0.039 χ^2/NDF : 41.5/26

-0.006 ± 0.028 χ^2/NDF : 73.6/54

0.038 ± 0.041 χ^2/NDF : 30.0/27

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.023 ± 0.043 χ^2/NDF : 21.3/16

Left Out: 0.073 ± 0.040 χ^2/NDF : 13.1/9

Right Out: -0.144 ± 0.045 χ^2/NDF : 18.6/19

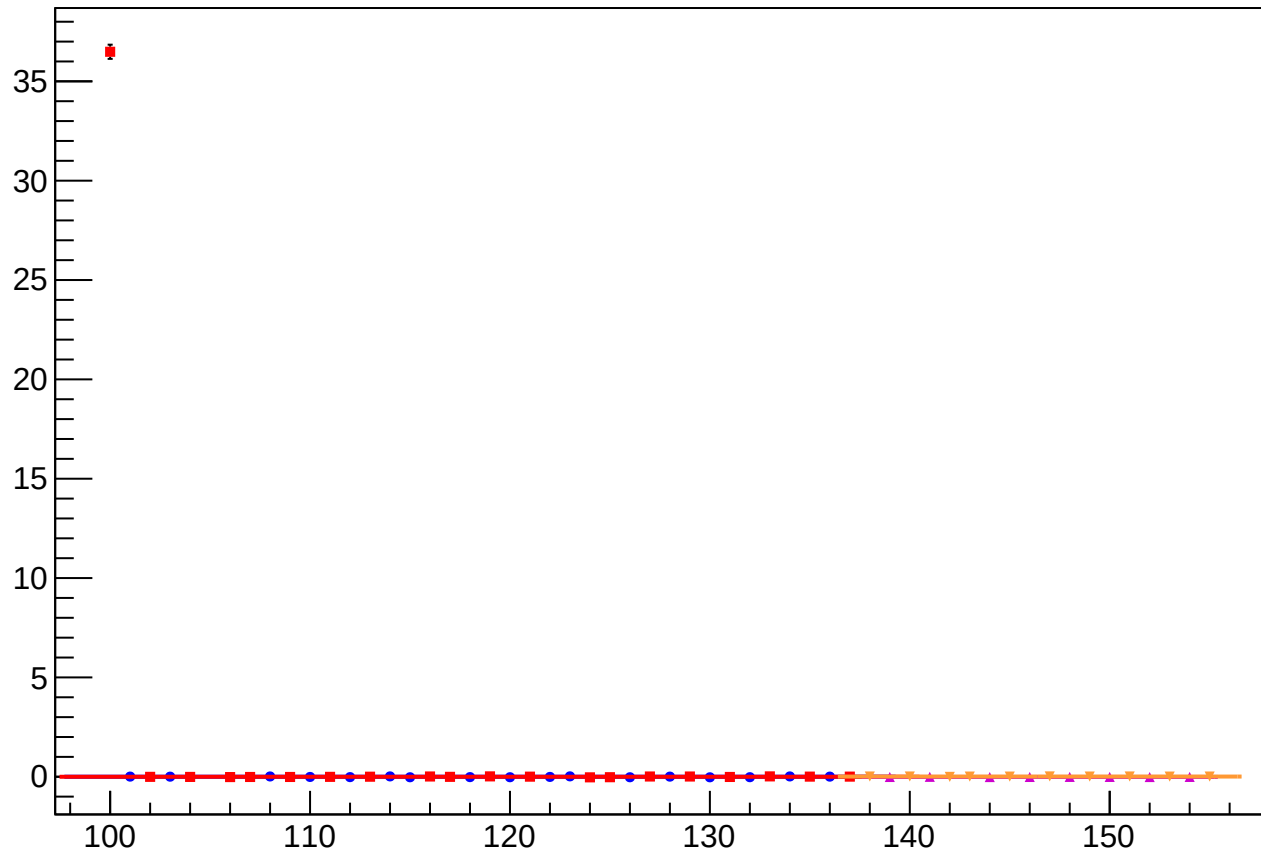
Left In: -0.161 ± 0.043 χ^2/NDF : 6.1/7

0.050 ± 0.029 χ^2/NDF : 35.2/26

-0.045 ± 0.021 χ^2/NDF : 82.7/54

-0.153 ± 0.031 χ^2/NDF : 24.8/27

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 30.6/16

Left Out: 0.010 $\pm$ 0.002 χ^2 /NDF: 4.6/9

Right Out: -0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/19

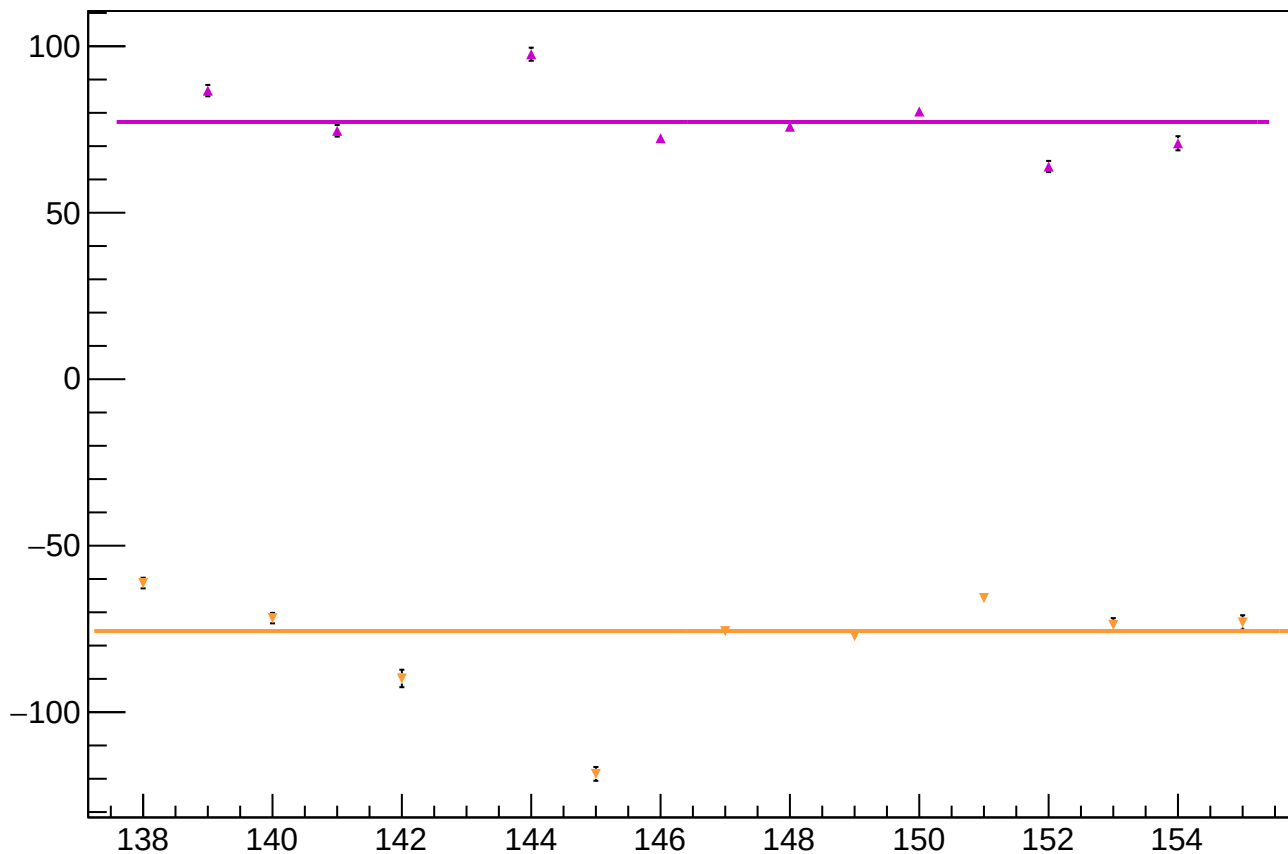
Left In: -0.010 $\pm$ 0.002 χ^2 /NDF: 2.8/7

0.006 $\pm$ 0.001 χ^2 /NDF: 43.7/26

0.000 $\pm$ 0.001 χ^2 /NDF: 10538.4/54

-0.006 $\pm$ 0.002 χ^2 /NDF: 10460.6/27

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: -75.630+/-0.570 χ^2/NDF : 592.8/8

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

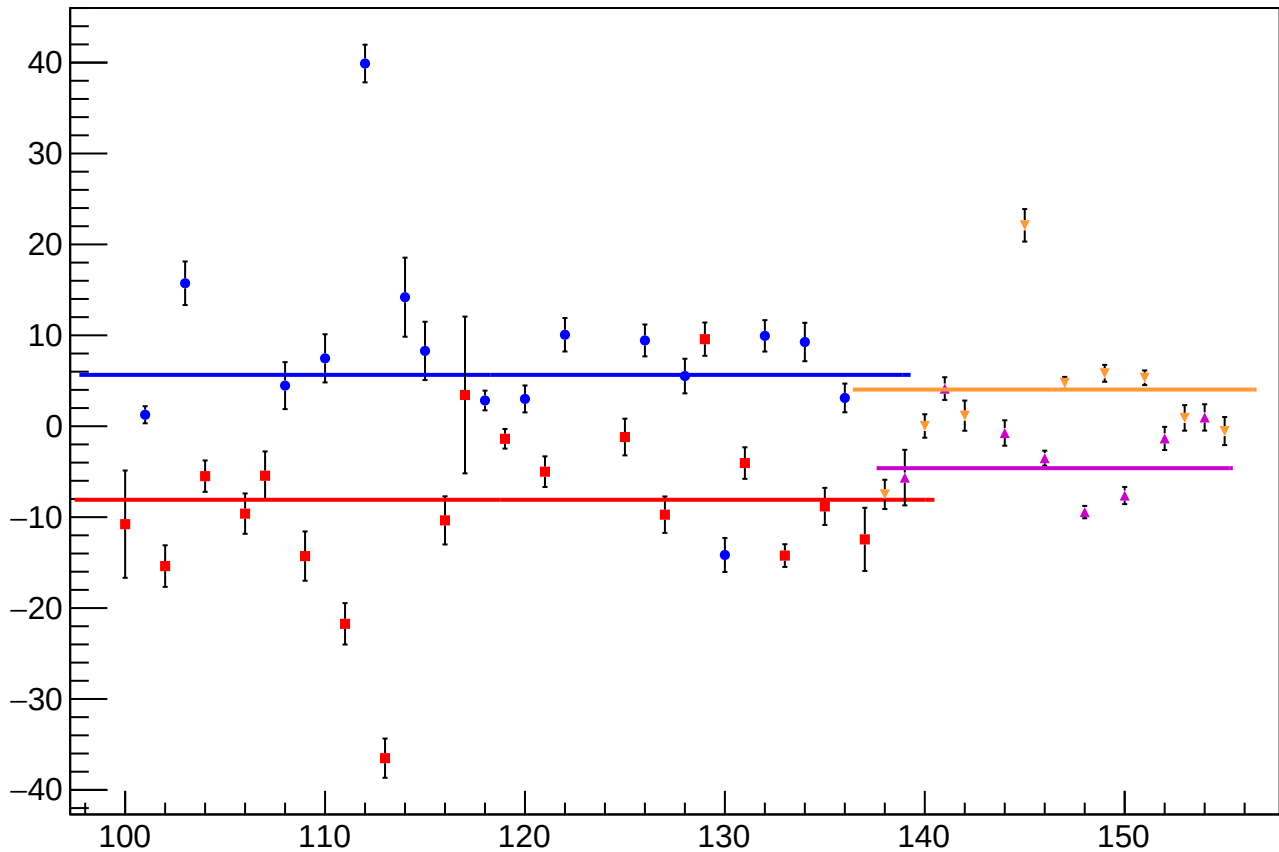
Left In: 77.260+/-0.577 χ^2/NDF : 229.3/7

-75.630+/-0.570 χ^2/NDF : 592.8/8

-0.121+/-0.405 χ^2/NDF : 36405.2/16

77.260+/-0.577 χ^2/NDF : 229.3/7

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.651 ± 0.429 χ^2/NDF : 461.9/15

Left Out: 4.035 ± 0.363 χ^2/NDF : 187.2/8

Right Out: -8.087 ± 0.452 χ^2/NDF : 409.7/18

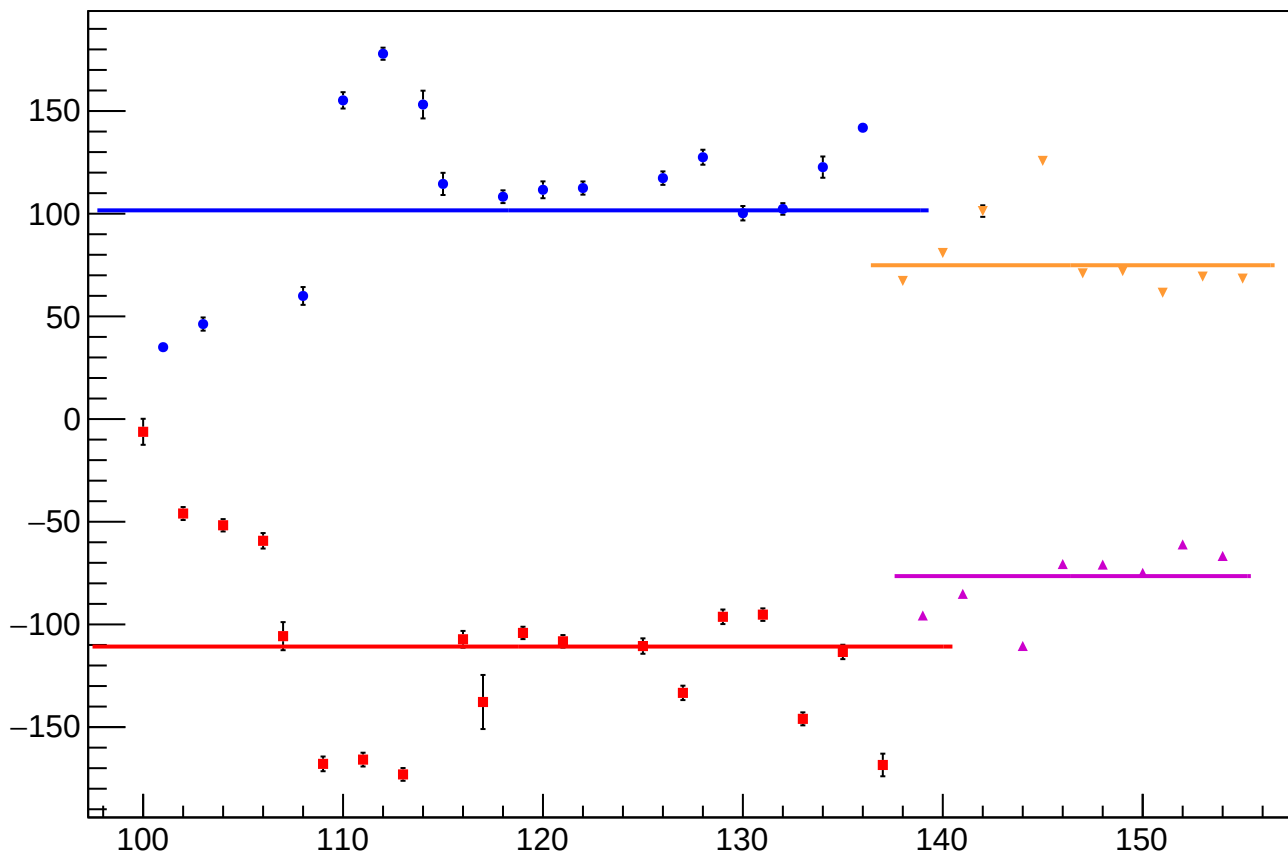
Left In: -4.611 ± 0.376 χ^2/NDF : 140.4/7

4.710 ± 0.277 χ^2/NDF : 657.3/24

-0.441 ± 0.200 χ^2/NDF : 1962.1/51

-6.031 ± 0.289 χ^2/NDF : 585.1/26

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 101.630 +/- 0.812 χ^2/NDF : 2980.2/15

Left Out: 74.901 +/- 0.559 χ^2/NDF : 800.8/8

Right Out: -110.778 +/- 0.834 χ^2/NDF : 2518.3/18

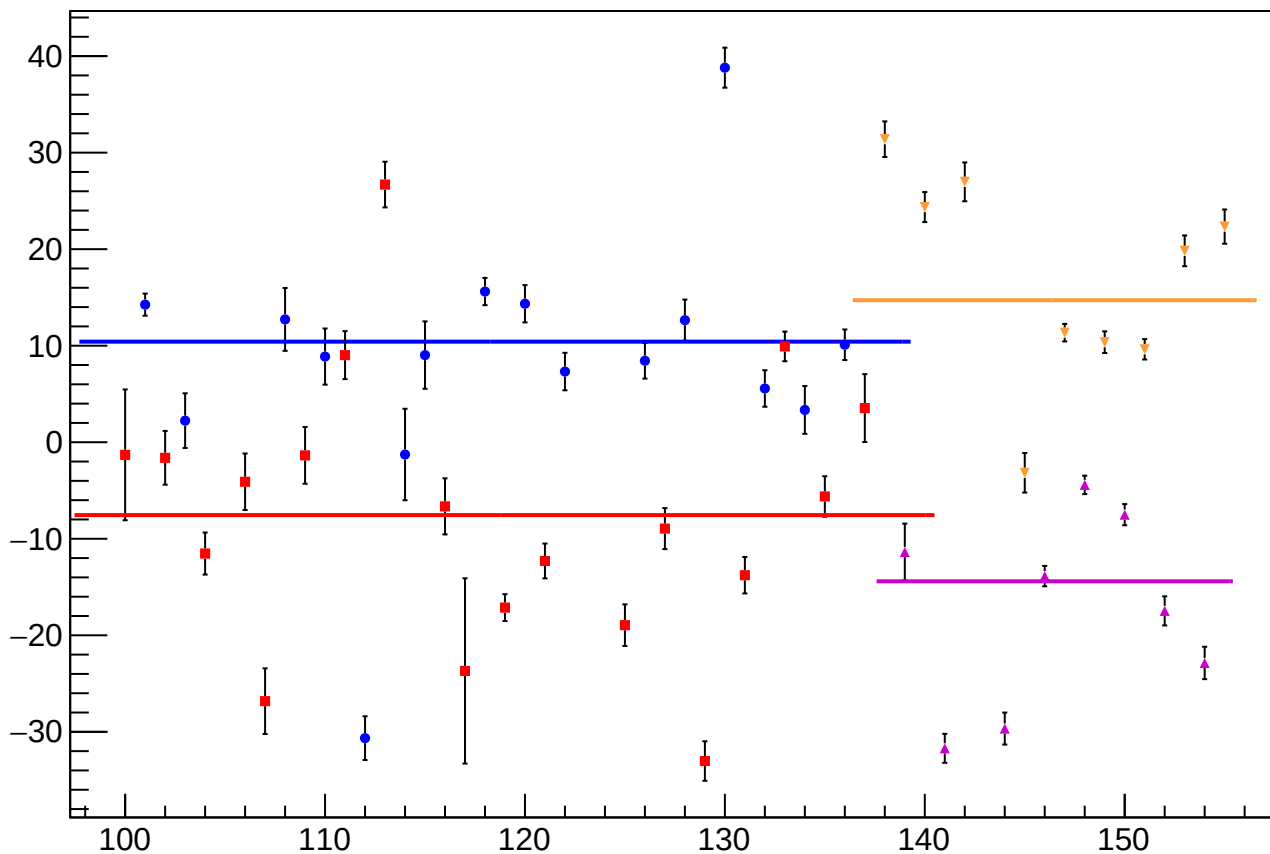
Left In: -76.467 +/- 0.564 χ^2/NDF : 543.9/7

83.491 +/- 0.460 χ^2/NDF : 4516.2/24

-0.591 +/- 0.328 χ^2/NDF : 76470.7/51

-87.228 +/- 0.467 χ^2/NDF : 4222.6/26

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.420 ± 0.497 $\chi^2/\text{NDF}: 579.7/15$

Left Out: 14.711 ± 0.456 $\chi^2/\text{NDF}: 314.4/8$

Right Out: -7.550 ± 0.522 $\chi^2/\text{NDF}: 692.3/18$

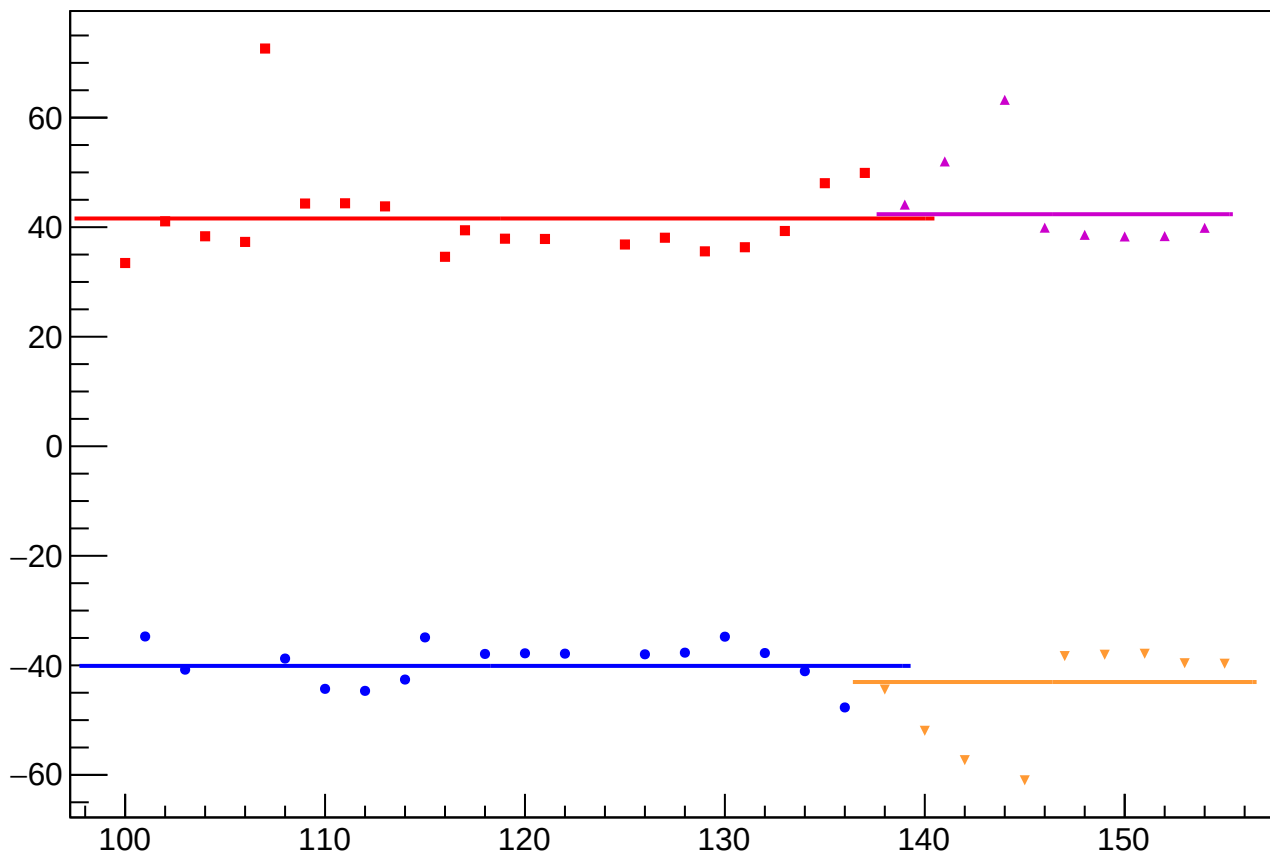
Left In: -14.405 ± 0.469 $\chi^2/\text{NDF}: 397.4/7$

12.751 ± 0.336 $\chi^2/\text{NDF}: 934.6/24$

1.157 ± 0.242 $\chi^2/\text{NDF}: 4592.6/51$

-11.346 ± 0.349 $\chi^2/\text{NDF}: 1185.0/26$

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.098 $\pm$ 0.028 χ^2/NDF : 25073.4/15

Left Out: -43.042 $\pm$ 0.023 χ^2/NDF : 100604.3/8

Right Out: 41.588 $\pm$ 0.029 χ^2/NDF : 61690.5/18

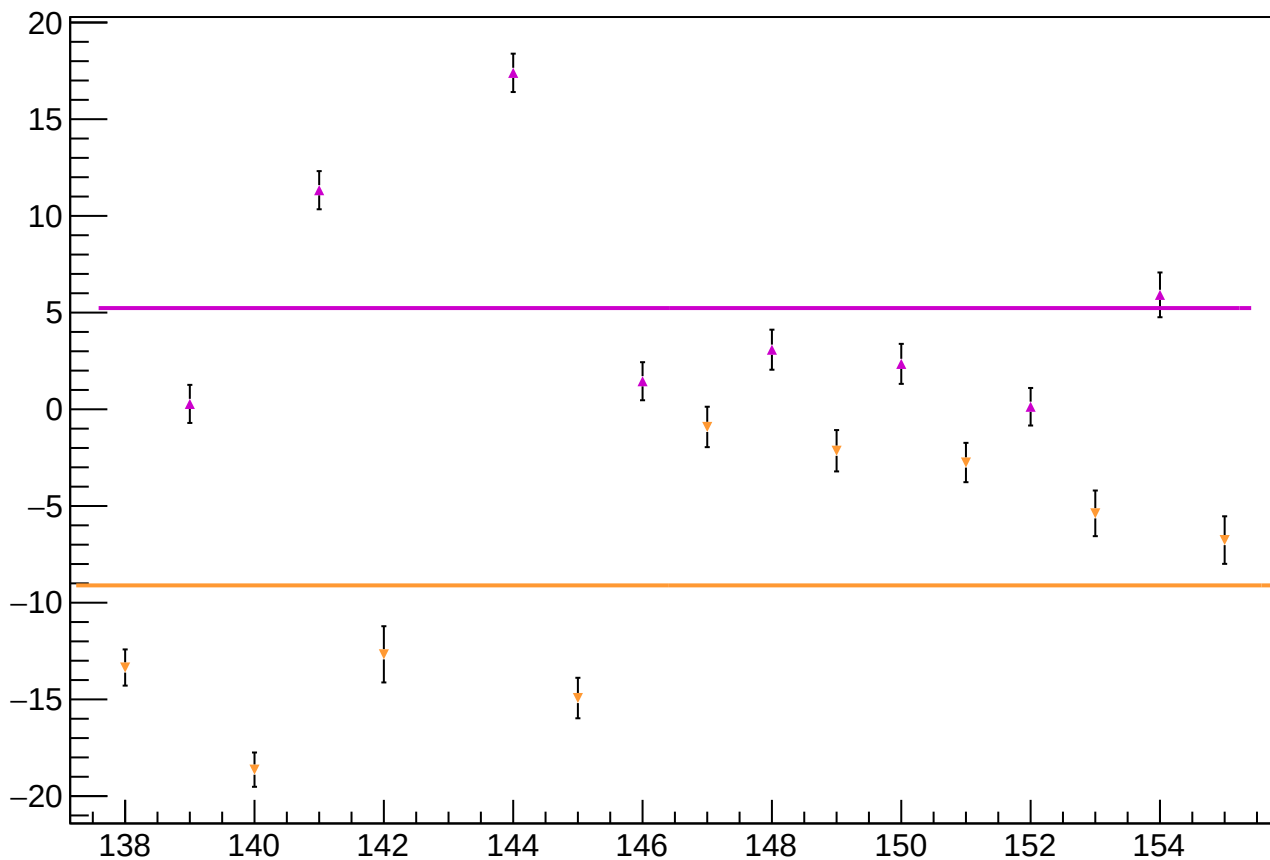
Left In: 42.367 $\pm$ 0.023 χ^2/NDF : 84779.2/7

-41.862 $\pm$ 0.018 χ^2/NDF : 132150.6/24

-0.030 $\pm$ 0.013 χ^2/NDF : 11196841.9/51

42.058 $\pm$ 0.018 χ^2/NDF : 146919.3/26

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: -9.105 $\pm$ 0.355 χ^2 /NDF: 329.6/8

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

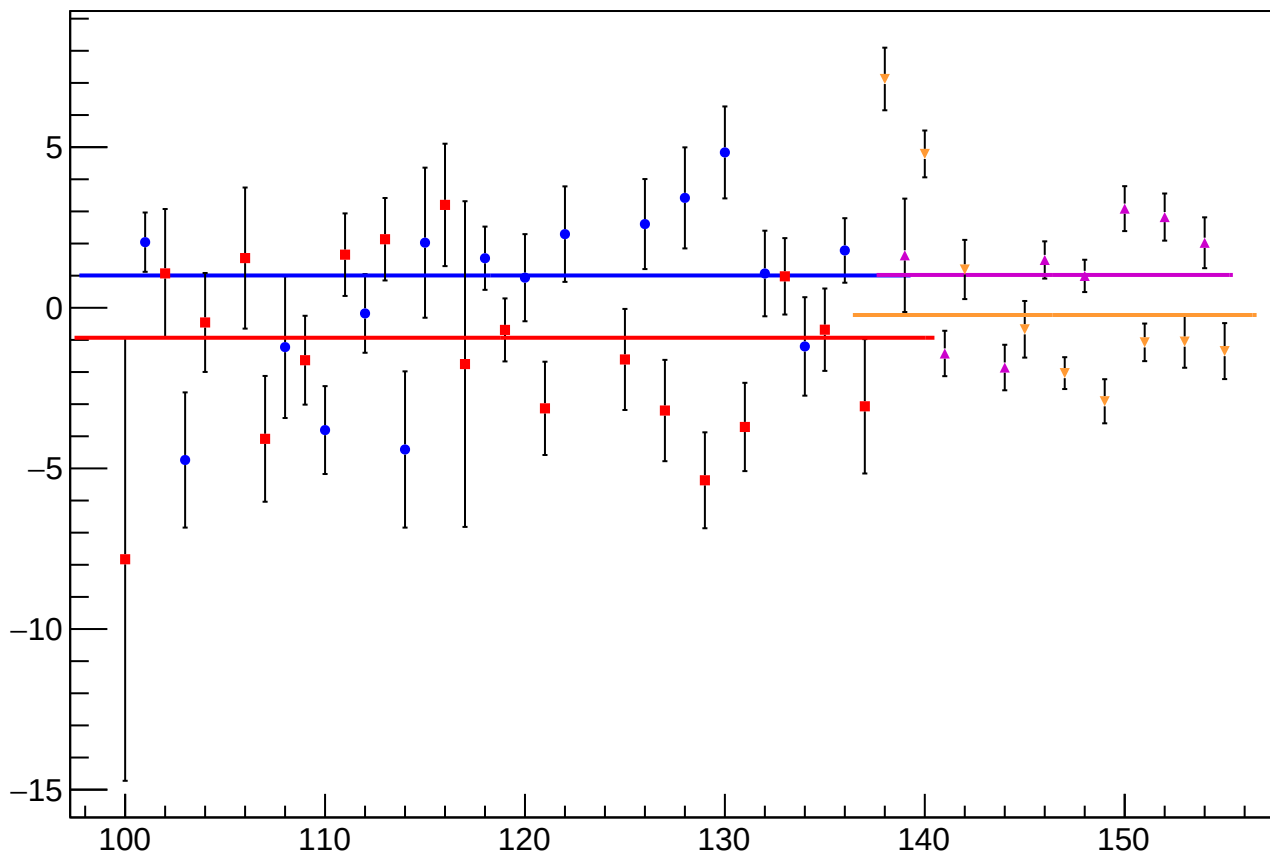
Left In: 5.234 $\pm$ 0.358 χ^2 /NDF: 268.7/7

-9.105 $\pm$ 0.355 χ^2 /NDF: 329.6/8

-2.006 $\pm$ 0.252 χ^2 /NDF: 1406.3/16

5.234 $\pm$ 0.358 χ^2 /NDF: 268.7/7

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.006 ± 0.342 χ^2/NDF : 42.7/15

Left Out: -0.224 ± 0.240 χ^2/NDF : 140.2/8

Right Out: -0.933 ± 0.352 χ^2/NDF : 41.9/18

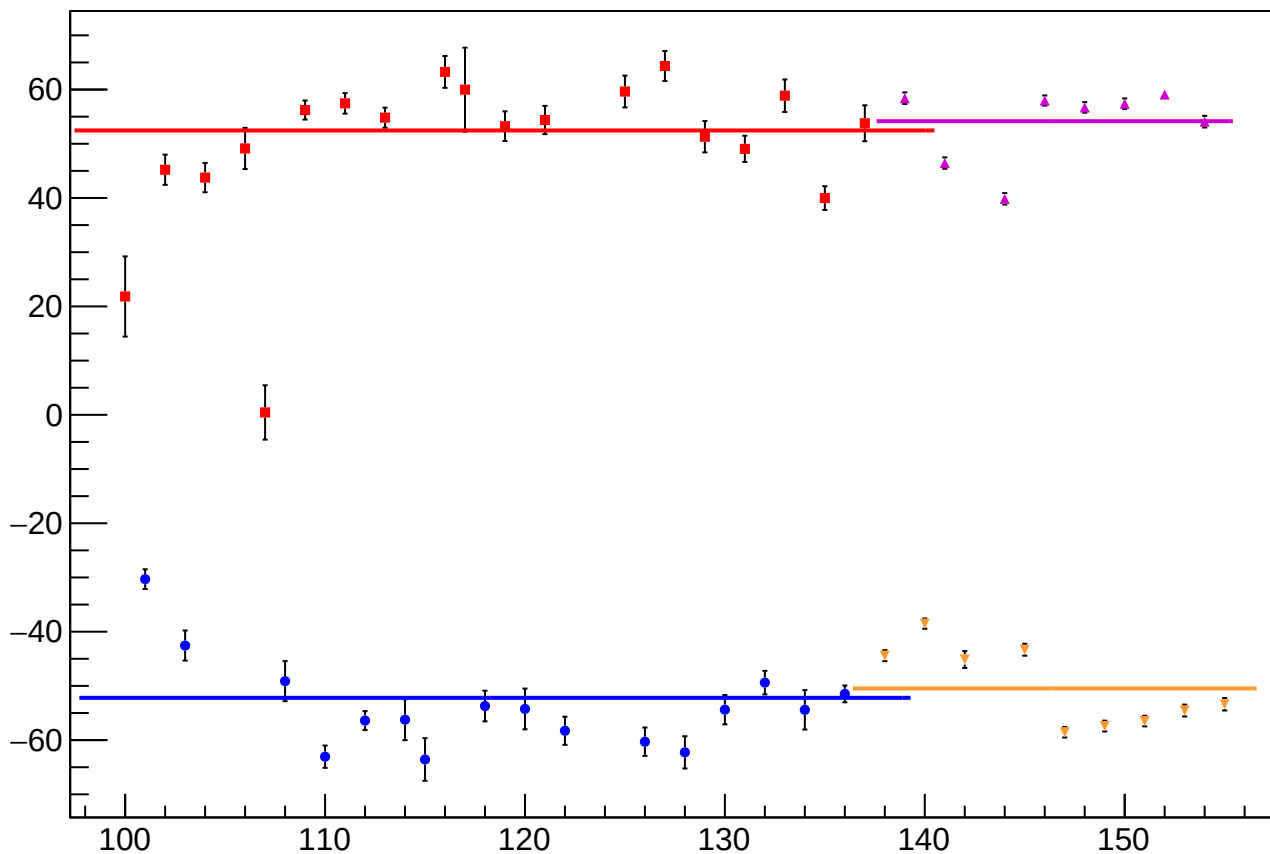
Left In: 1.022 ± 0.244 χ^2/NDF : 45.6/7

0.183 ± 0.196 χ^2/NDF : 191.6/24

0.283 ± 0.140 χ^2/NDF : 300.5/51

0.387 ± 0.201 χ^2/NDF : 108.3/26

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: -50.469 ± 0.353 χ^2/NDF : 425.1/8

Right Out: 52.455 ± 0.614 χ^2/NDF : 234.8/18

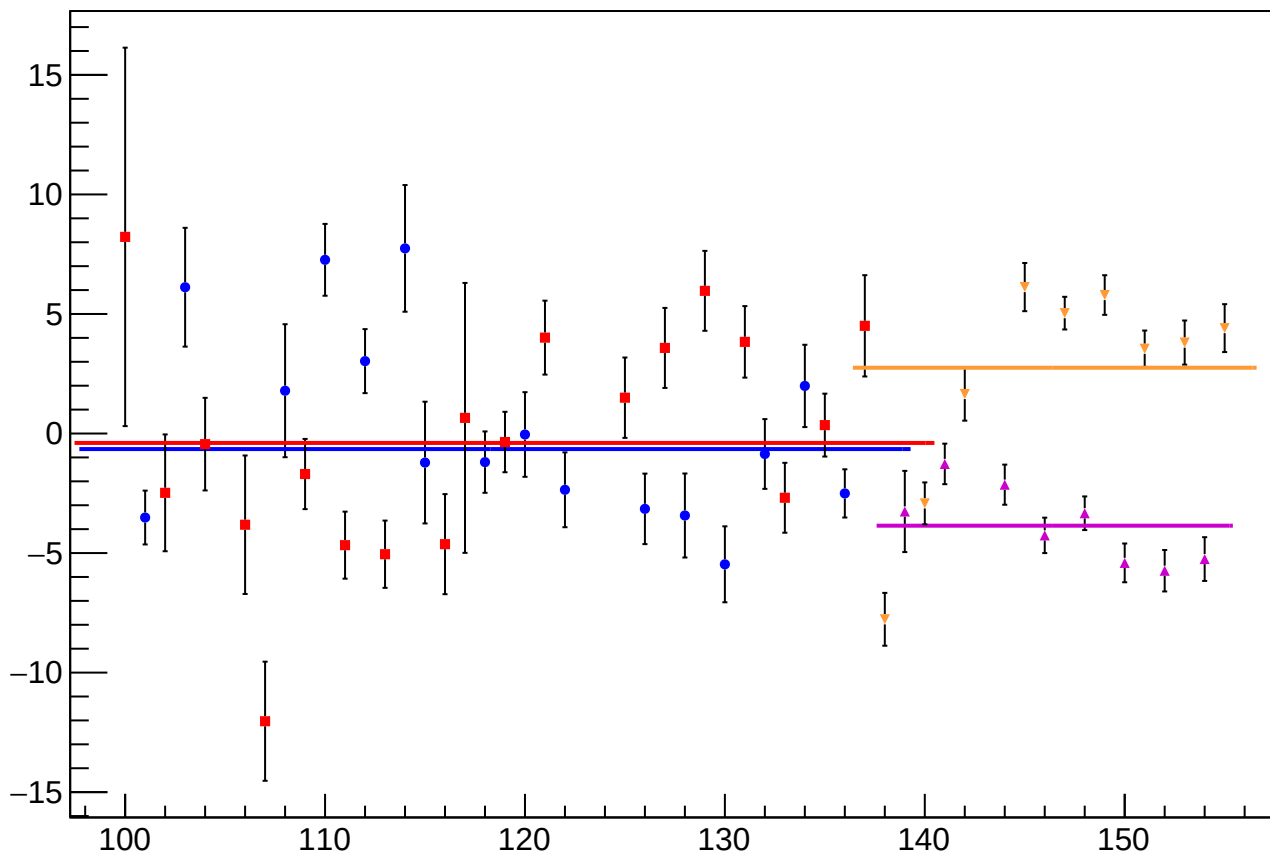
Left In: 54.168 ± 0.355 χ^2/NDF : 314.6/7

-50.898 ± 0.306 χ^2/NDF : 661.7/24

1.239 ± 0.217 χ^2/NDF : 59477.4/51

53.739 ± 0.307 χ^2/NDF : 555.3/26

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: 2.753 ± 0.296 χ^2/NDF : 174.5/8

Right Out: -0.394 ± 0.398 χ^2/NDF : 95.9/18

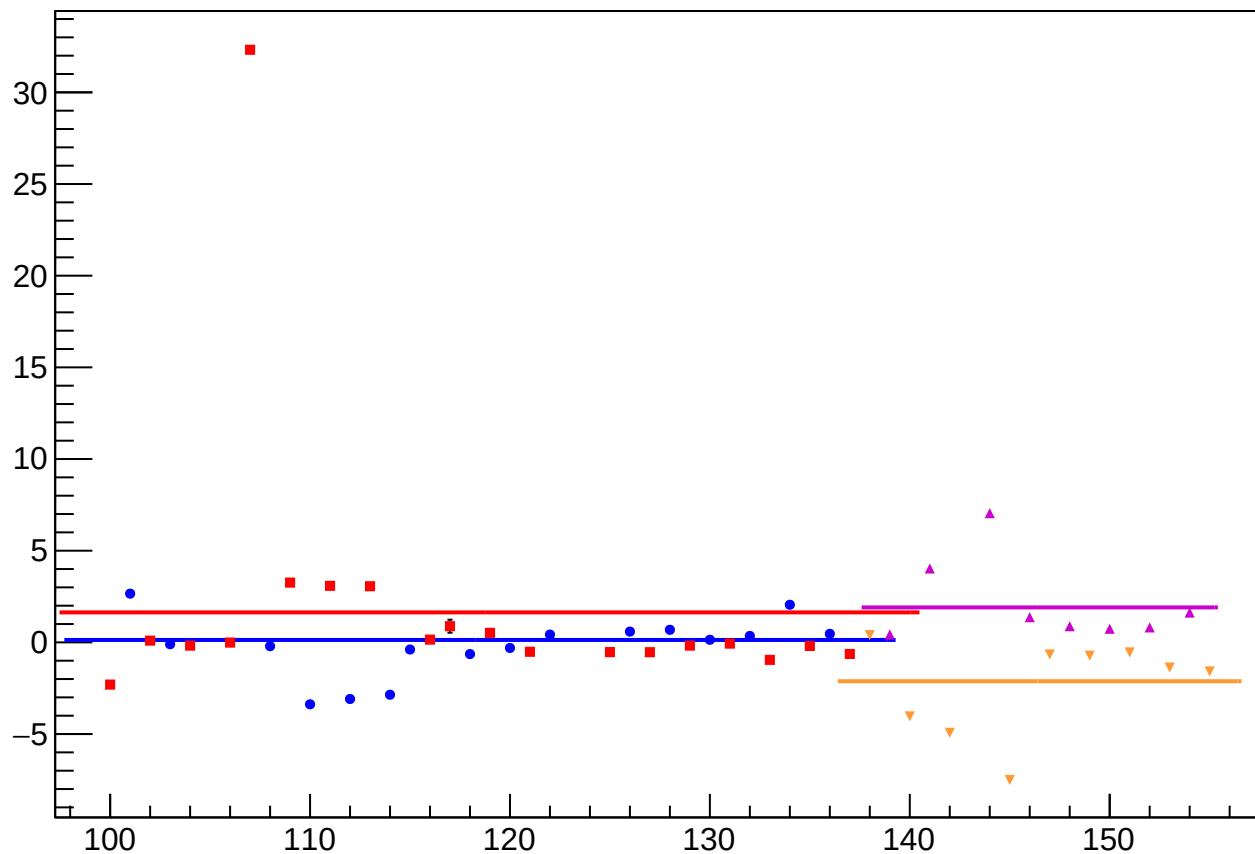
Left In: -3.855 ± 0.301 χ^2/NDF : 25.2/7

1.496 ± 0.235 χ^2/NDF : 305.2/24

-0.508 ± 0.168 χ^2/NDF : 622.8/51

-2.599 ± 0.240 χ^2/NDF : 169.1/26

reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.132 ± 0.022 $\chi^2/\text{NDF}: 5247.5/15$

Left Out: -2.120 ± 0.014 $\chi^2/\text{NDF}: 27776.6/8$

Right Out: 1.635 ± 0.022 $\chi^2/\text{NDF}: 77852.9/18$

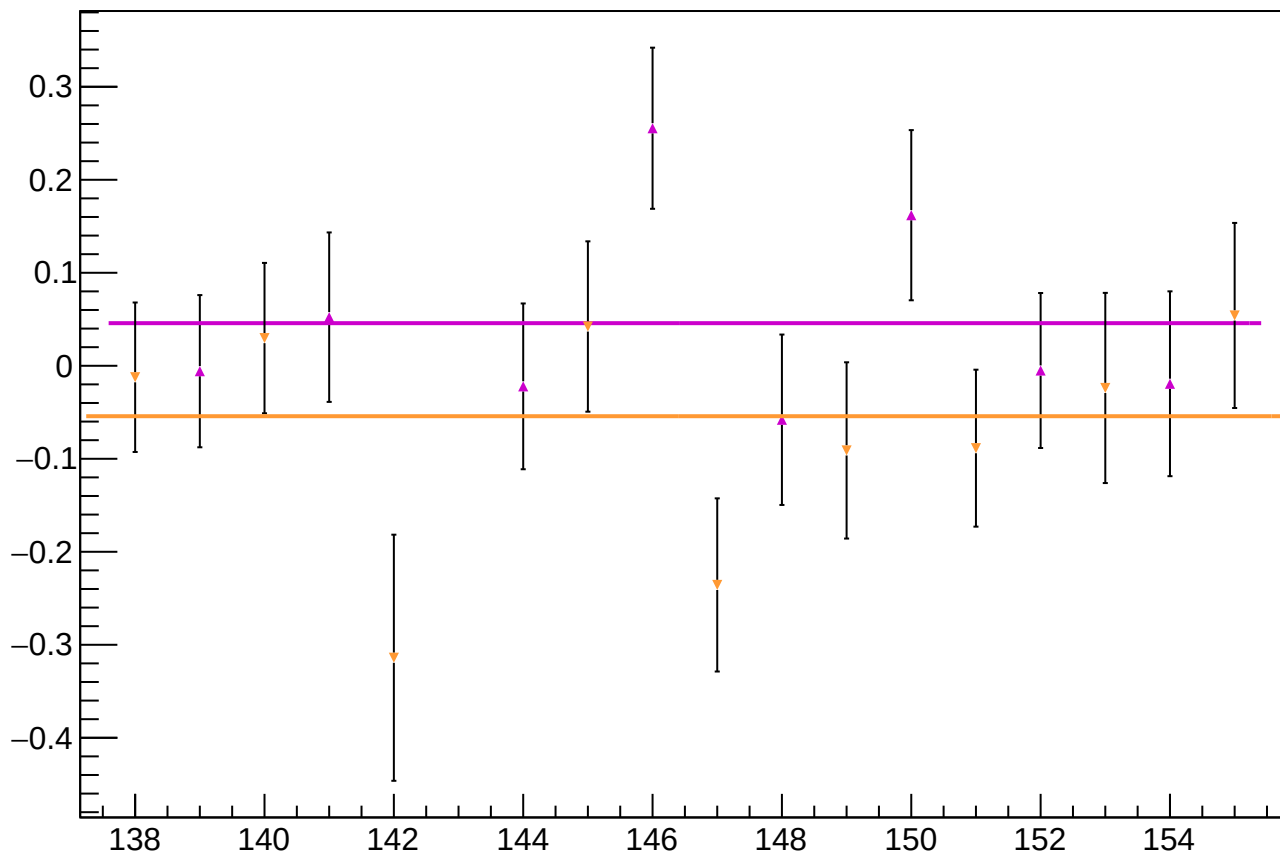
Left In: 1.907 ± 0.014 $\chi^2/\text{NDF}: 18815.7/7$

-1.431 ± 0.012 $\chi^2/\text{NDF}: 40596.2/24$

0.187 ± 0.008 $\chi^2/\text{NDF}: 174452.7/51$

1.825 ± 0.012 $\chi^2/\text{NDF}: 96776.9/26$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.054+/-0.031 χ^2/NDF : 11.7/8

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

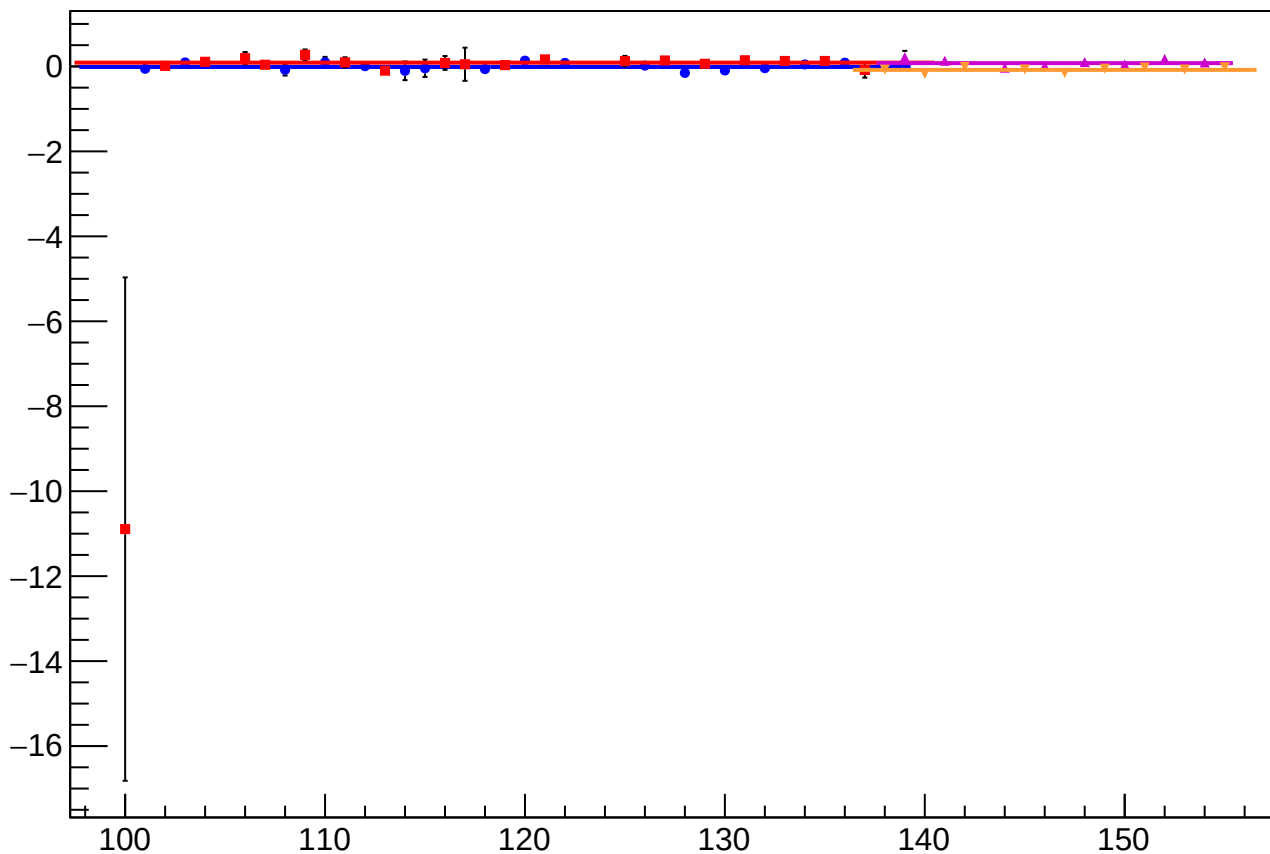
Left In: 0.046+/-0.031 χ^2/NDF : 10.5/7

-0.054+/-0.031 χ^2/NDF : 11.7/8

-0.005+/-0.022 χ^2/NDF : 27.4/16

0.046+/-0.031 χ^2/NDF : 10.5/7

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: -0.082 ± 0.021 χ^2/NDF : 7.9/8

Right Out: 0.089 ± 0.025 χ^2/NDF : 13.0/18

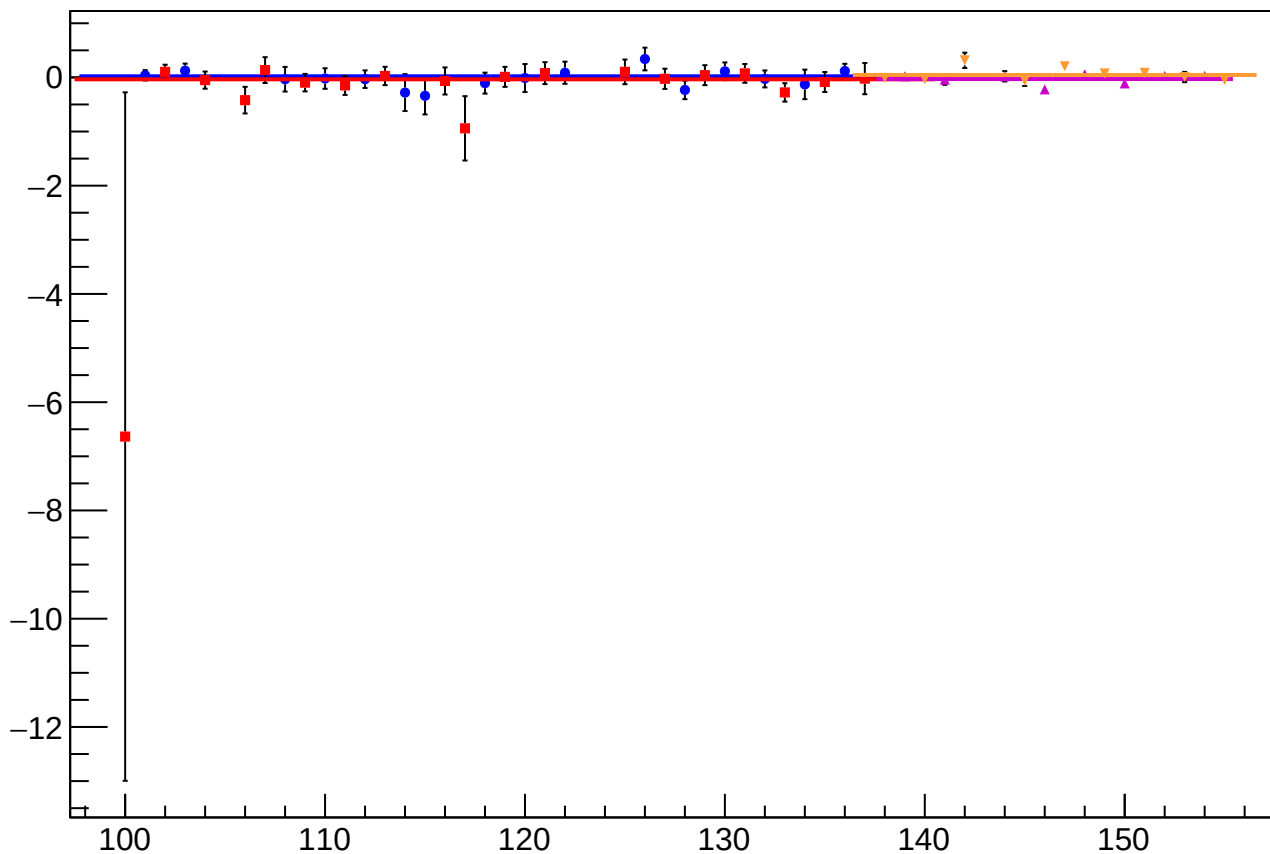
Left In: 0.078 ± 0.022 χ^2/NDF : 9.2/7

-0.051 ± 0.016 χ^2/NDF : 24.3/24

0.013 ± 0.011 χ^2/NDF : 82.0/51

0.083 ± 0.016 χ^2/NDF : 22.3/26

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: 0.045 ± 0.031 χ^2/NDF : 10.9/8

Right Out: -0.035 ± 0.045 χ^2/NDF : 11.6/18

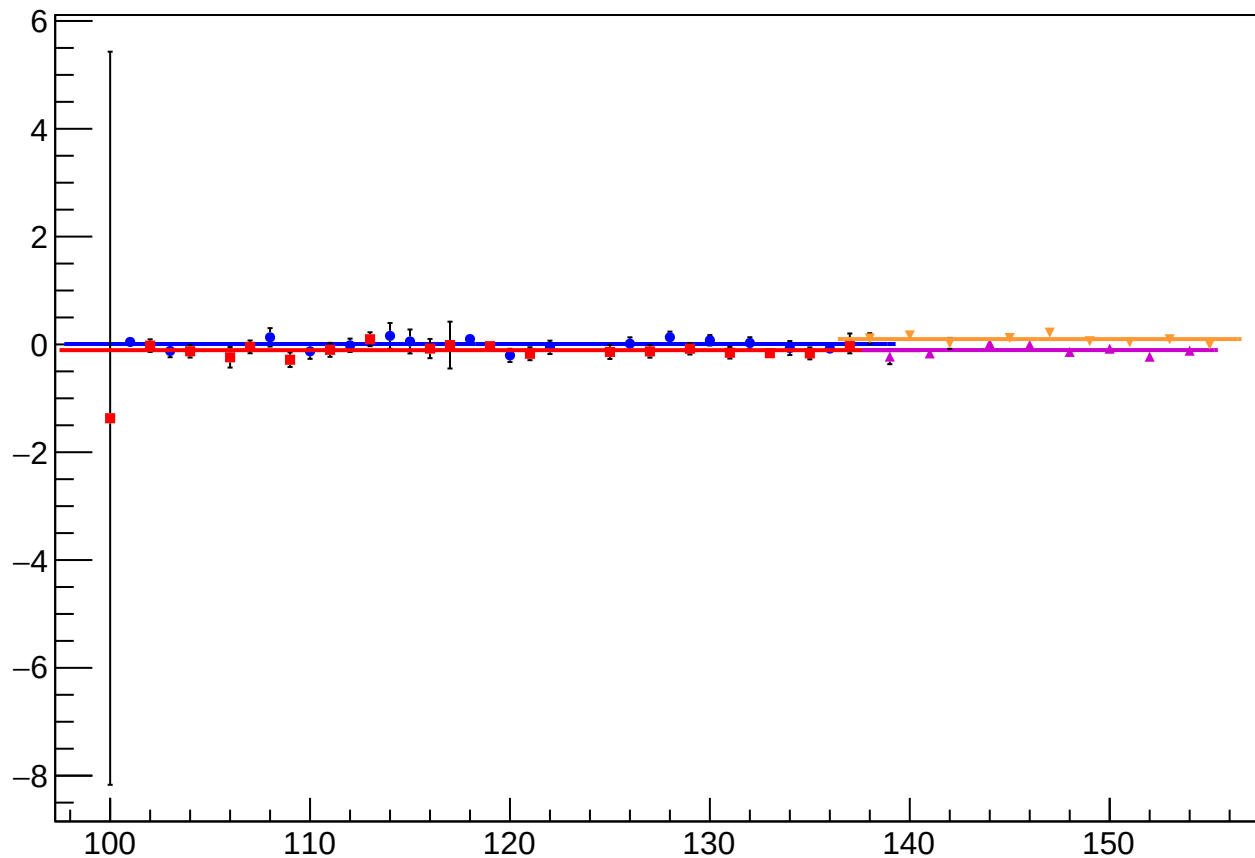
Left In: -0.030 ± 0.031 χ^2/NDF : 8.7/7

0.037 ± 0.025 χ^2/NDF : 20.3/24

0.003 ± 0.018 χ^2/NDF : 44.2/51

-0.032 ± 0.026 χ^2/NDF : 20.3/26

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: 0.099 ± 0.026 χ^2/NDF : 8.1/8

Right Out: -0.106 ± 0.029 χ^2/NDF : 8.2/18

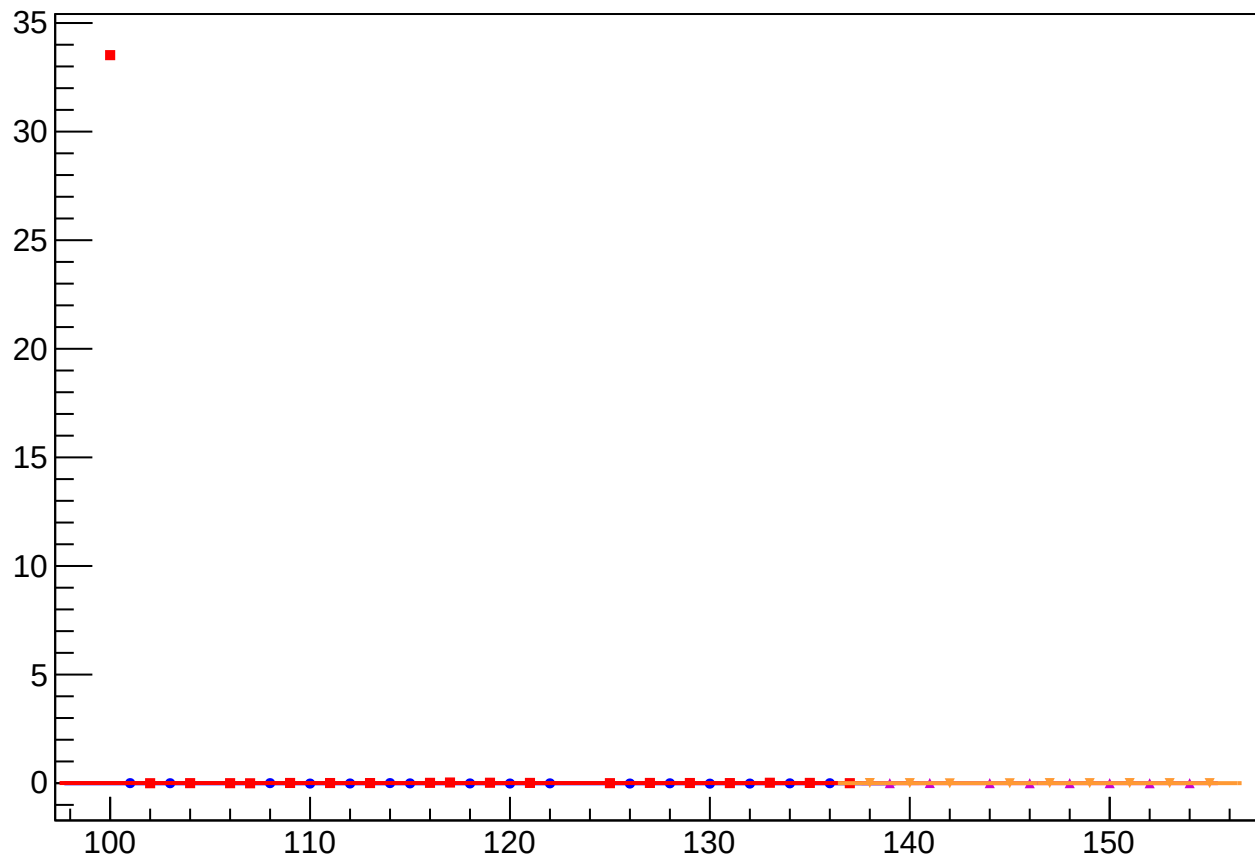
Left In: -0.105 ± 0.027 χ^2/NDF : 9.2/7

0.055 ± 0.019 χ^2/NDF : 25.3/24

-0.022 ± 0.013 χ^2/NDF : 78.4/51

-0.106 ± 0.019 χ^2/NDF : 17.4/26

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005 ± 0.001 χ^2/NDF : 21.8/15

Left Out: 0.001 ± 0.001 χ^2/NDF : 6.7/8

Right Out: 0.006 ± 0.001 χ^2/NDF : 26509.5/18

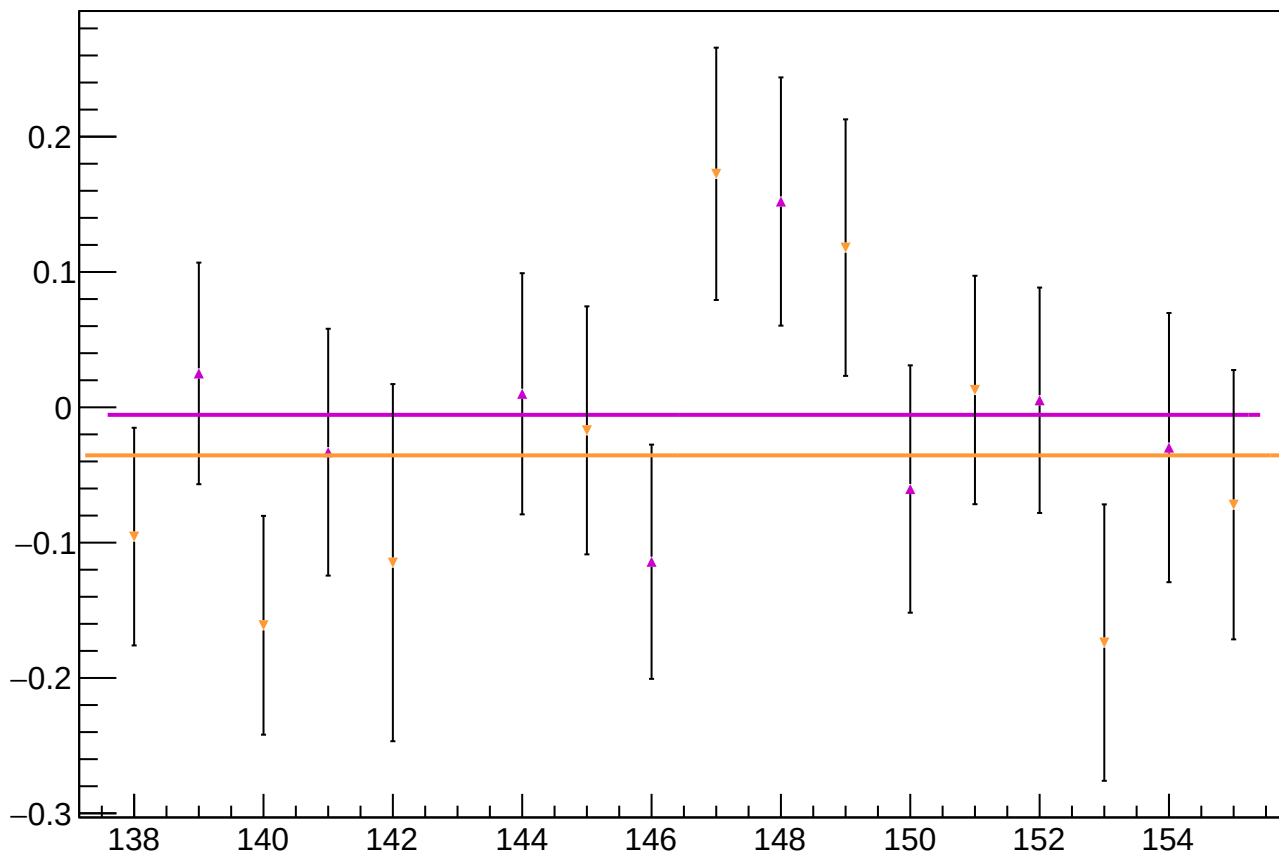
Left In: 0.001 ± 0.001 χ^2/NDF : 4.6/7

-0.002 ± 0.001 χ^2/NDF : 38.5/24

0.001 ± 0.001 χ^2/NDF : 26572.8/51

0.003 ± 0.001 χ^2/NDF : 26521.0/26

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: -0.035+/-0.031 χ^2/NDF : 13.3/8

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

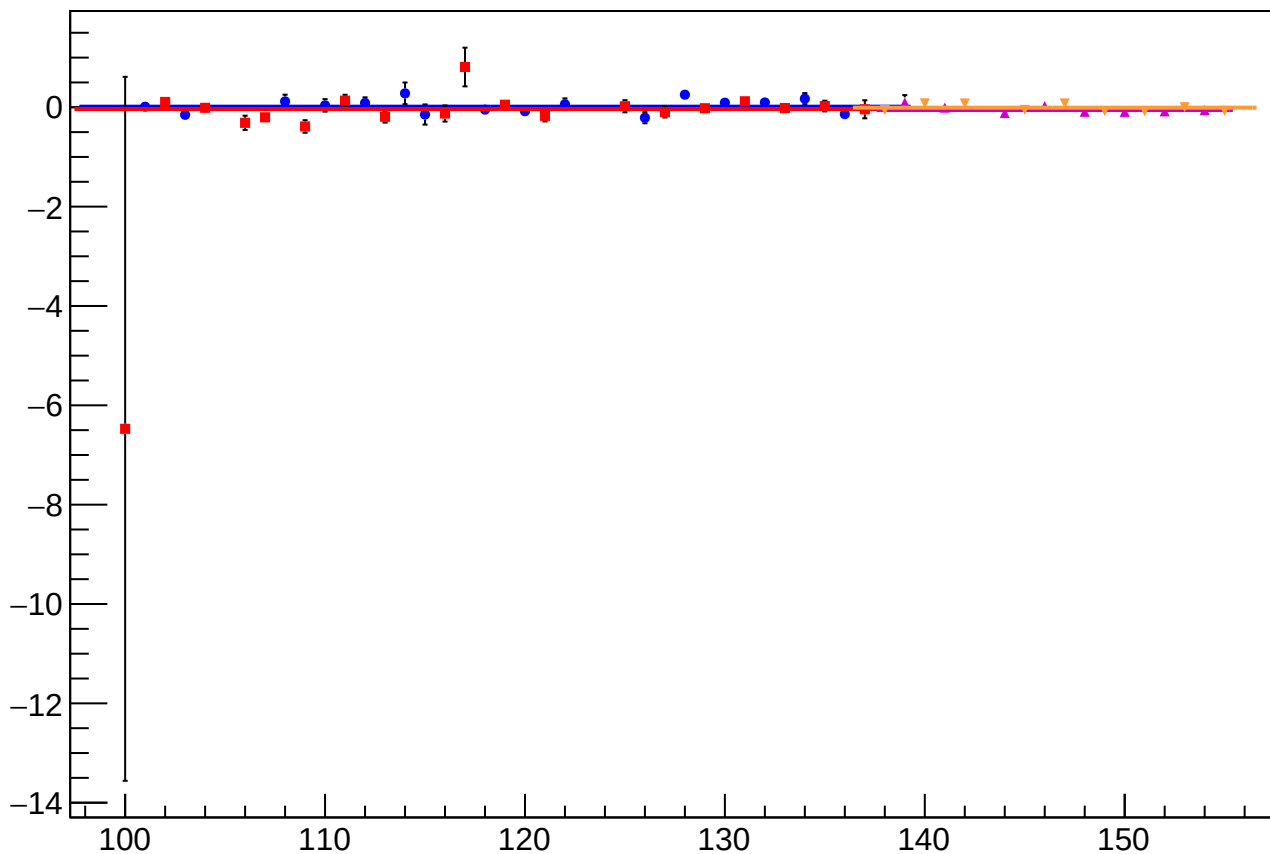
Left In: -0.006+/-0.031 χ^2/NDF : 5.2/7

-0.035+/-0.031 χ^2/NDF : 13.3/8

-0.021+/-0.022 χ^2/NDF : 19.0/16

-0.006+/-0.031 χ^2/NDF : 5.2/7

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: -0.008 $\pm$ 0.021 χ^2 /NDF: 11.5/8

Right Out: -0.035 $\pm$ 0.025 χ^2 /NDF: 33.2/18

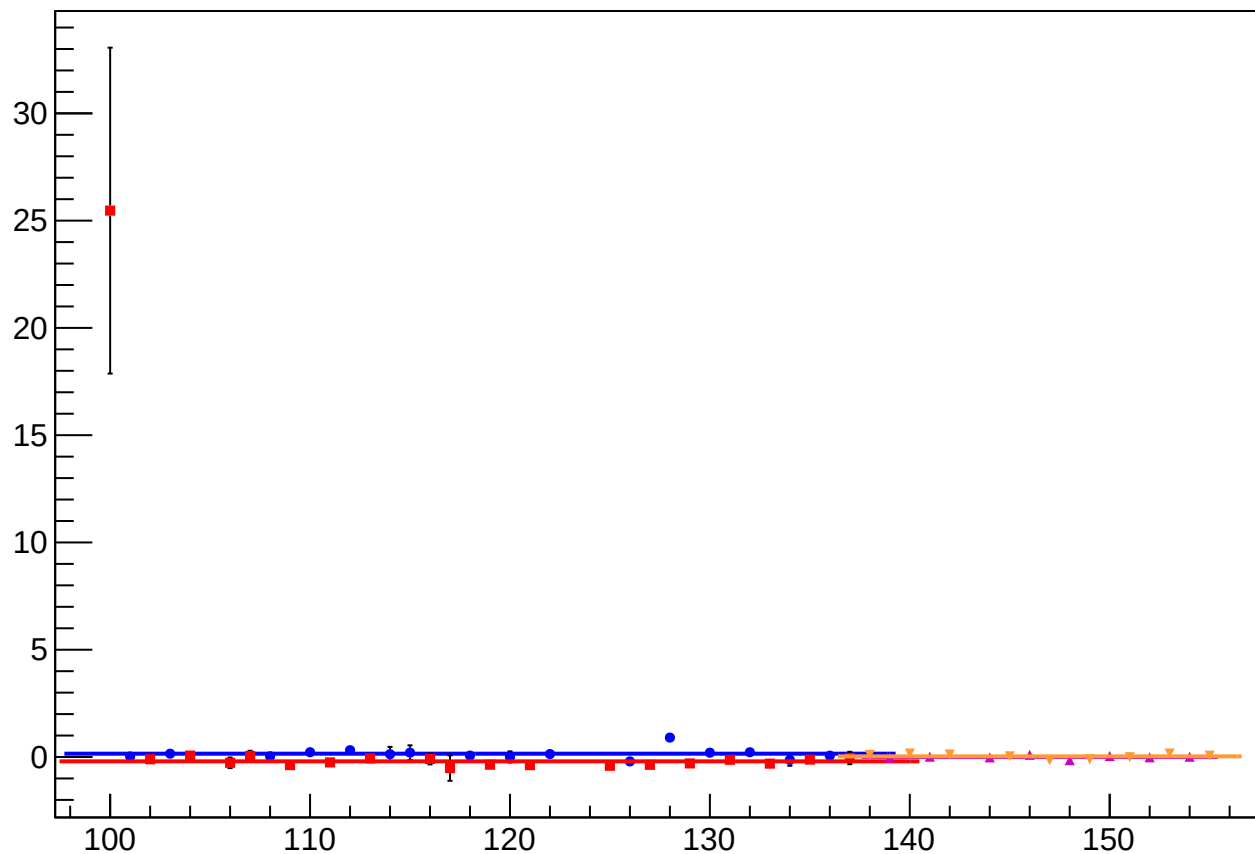
Left In: -0.055 $\pm$ 0.022 χ^2 /NDF: 6.2/7

0.001 $\pm$ 0.016 χ^2 /NDF: 36.9/24

-0.022 $\pm$ 0.011 χ^2 /NDF: 81.1/51

-0.046 $\pm$ 0.016 χ^2 /NDF: 39.7/26

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.154 ± 0.043 χ^2/NDF : 27.9/15

Left Out: 0.030 ± 0.031 χ^2/NDF : 13.0/8

Right Out: -0.203 ± 0.045 χ^2/NDF : 22.9/18

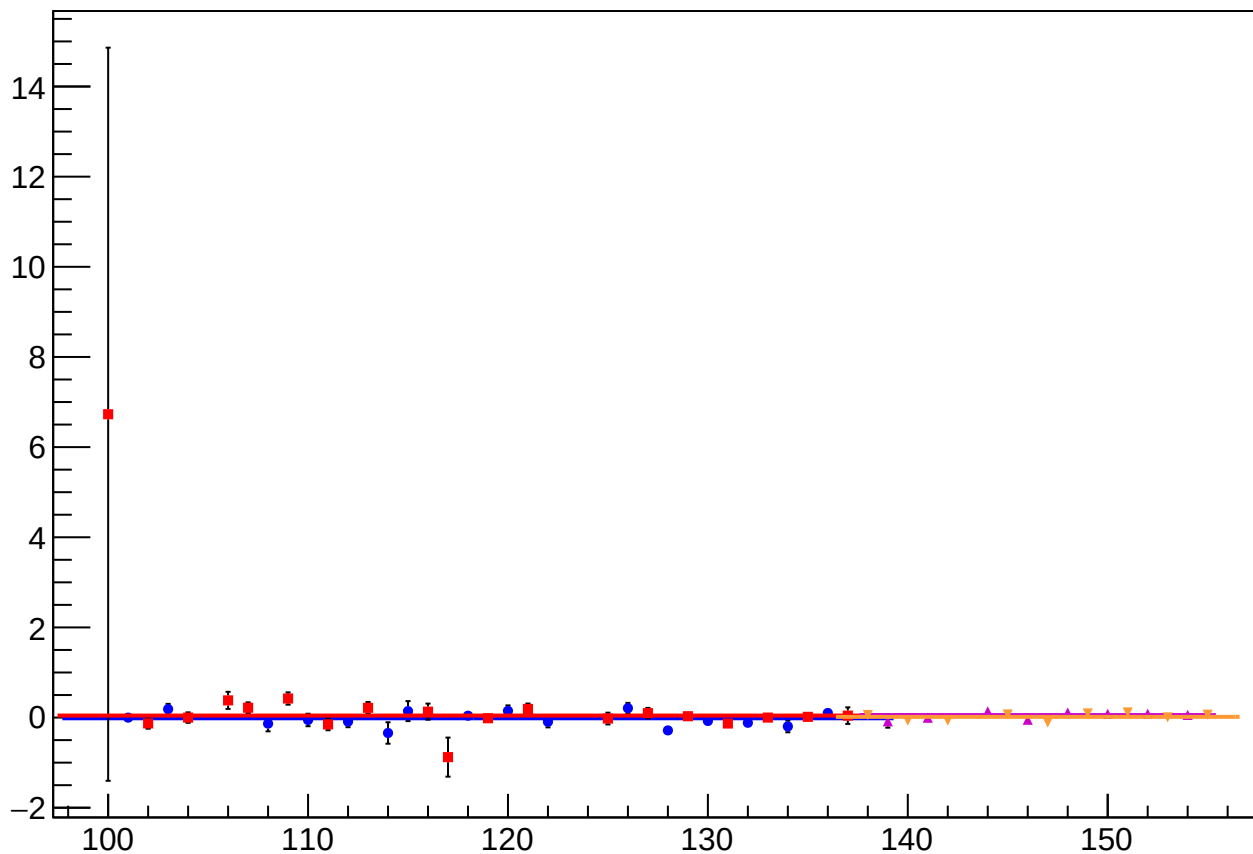
Left In: -0.002 ± 0.031 χ^2/NDF : 5.0/7

0.072 ± 0.025 χ^2/NDF : 46.5/24

0.004 ± 0.018 χ^2/NDF : 103.0/51

-0.067 ± 0.026 χ^2/NDF : 41.4/26

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: 0.016 ± 0.026 χ^2/NDF : 10.5/8

Right Out: 0.044 ± 0.029 χ^2/NDF : 30.5/18

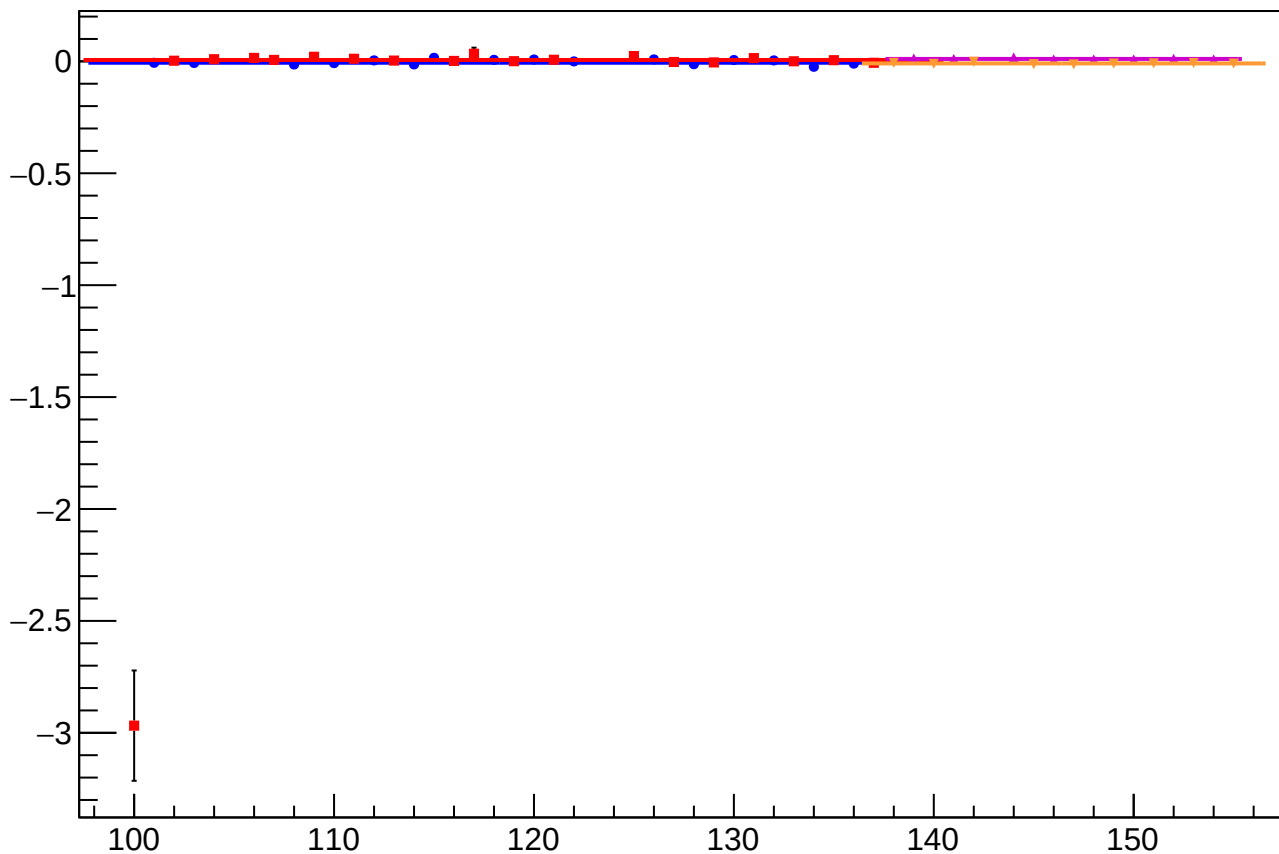
Left In: 0.055 ± 0.027 χ^2/NDF : 6.4/7

0.001 ± 0.019 χ^2/NDF : 35.6/24

0.025 ± 0.013 χ^2/NDF : 75.8/51

0.050 ± 0.019 χ^2/NDF : 36.9/26

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006 $\pm$ 0.001 χ^2 /NDF: 27.3/15

Left Out: -0.009 $\pm$ 0.001 χ^2 /NDF: 4.9/8

Right Out: 0.006 $\pm$ 0.001 χ^2 /NDF: 167.0/18

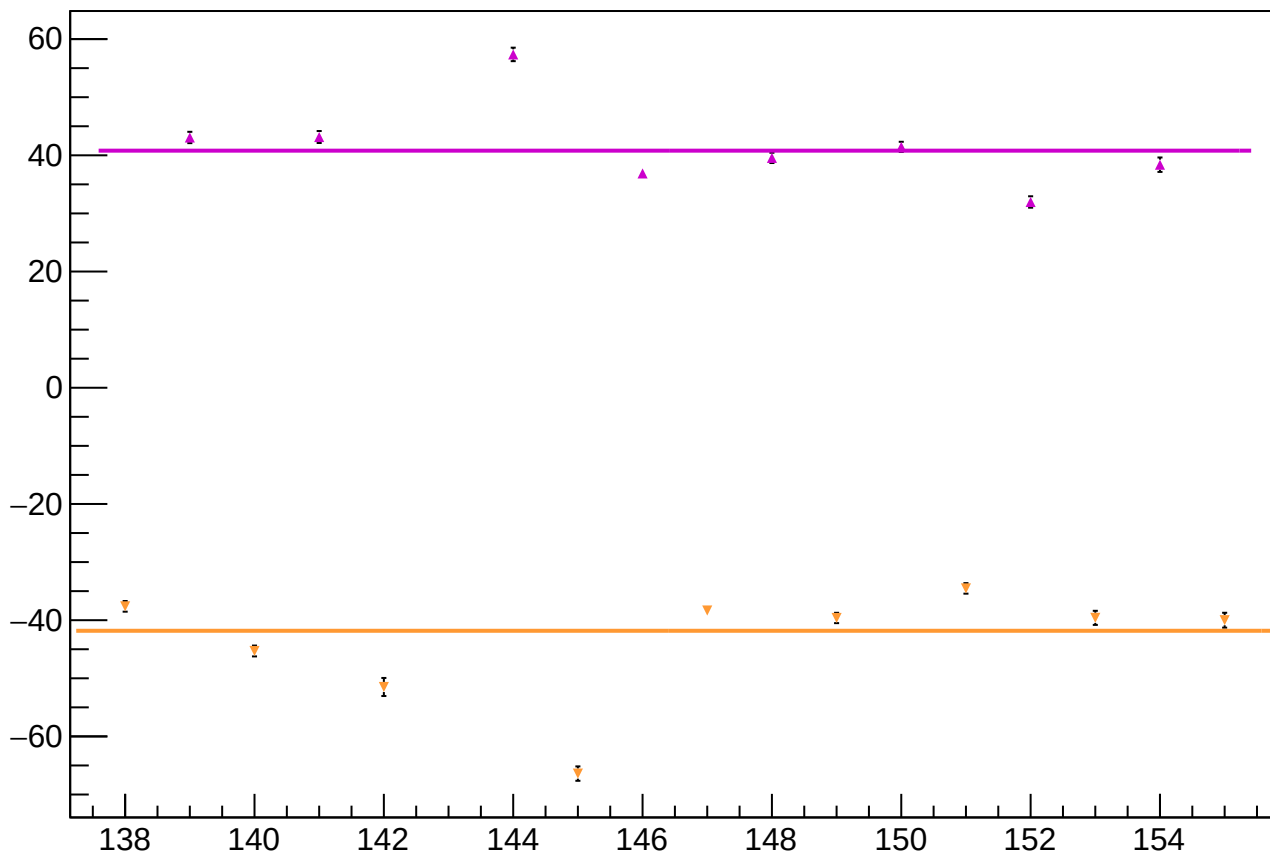
Left In: 0.011 $\pm$ 0.001 χ^2 /NDF: 4.6/7

-0.008 $\pm$ 0.001 χ^2 /NDF: 35.1/24

0.000 $\pm$ 0.001 χ^2 /NDF: 371.0/51

0.009 $\pm$ 0.001 χ^2 /NDF: 177.7/26

reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -41.821+/-0.343 χ^2/NDF : 559.6/8

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

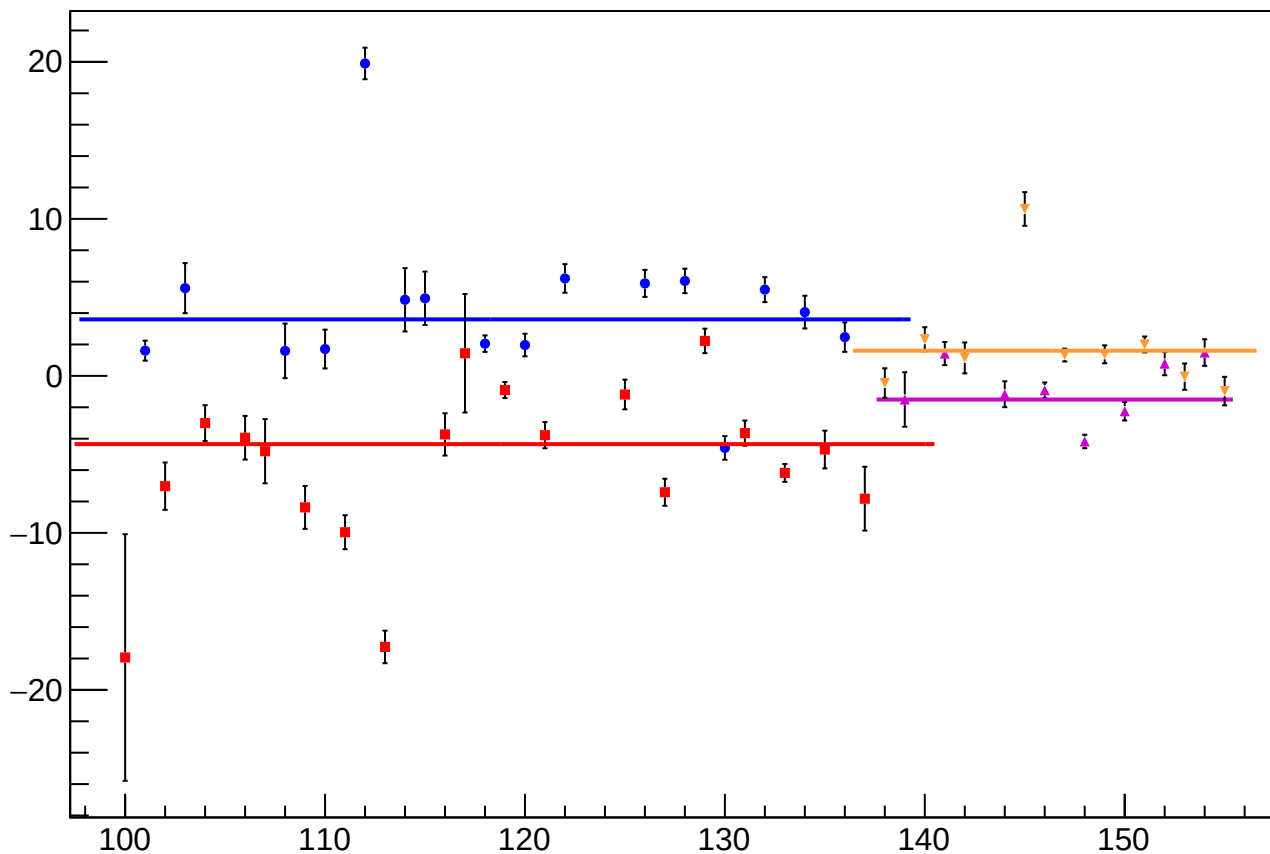
Left In: 40.801+/-0.345 χ^2/NDF : 323.0/7

-41.821+/-0.343 χ^2/NDF : 559.6/8

-0.823+/-0.243 χ^2/NDF : 29754.0/16

40.801+/-0.345 χ^2/NDF : 323.0/7

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: 1.604 ± 0.222 χ^2/NDF : 90.1/8

Right Out: -4.347 ± 0.224 χ^2/NDF : 355.4/18

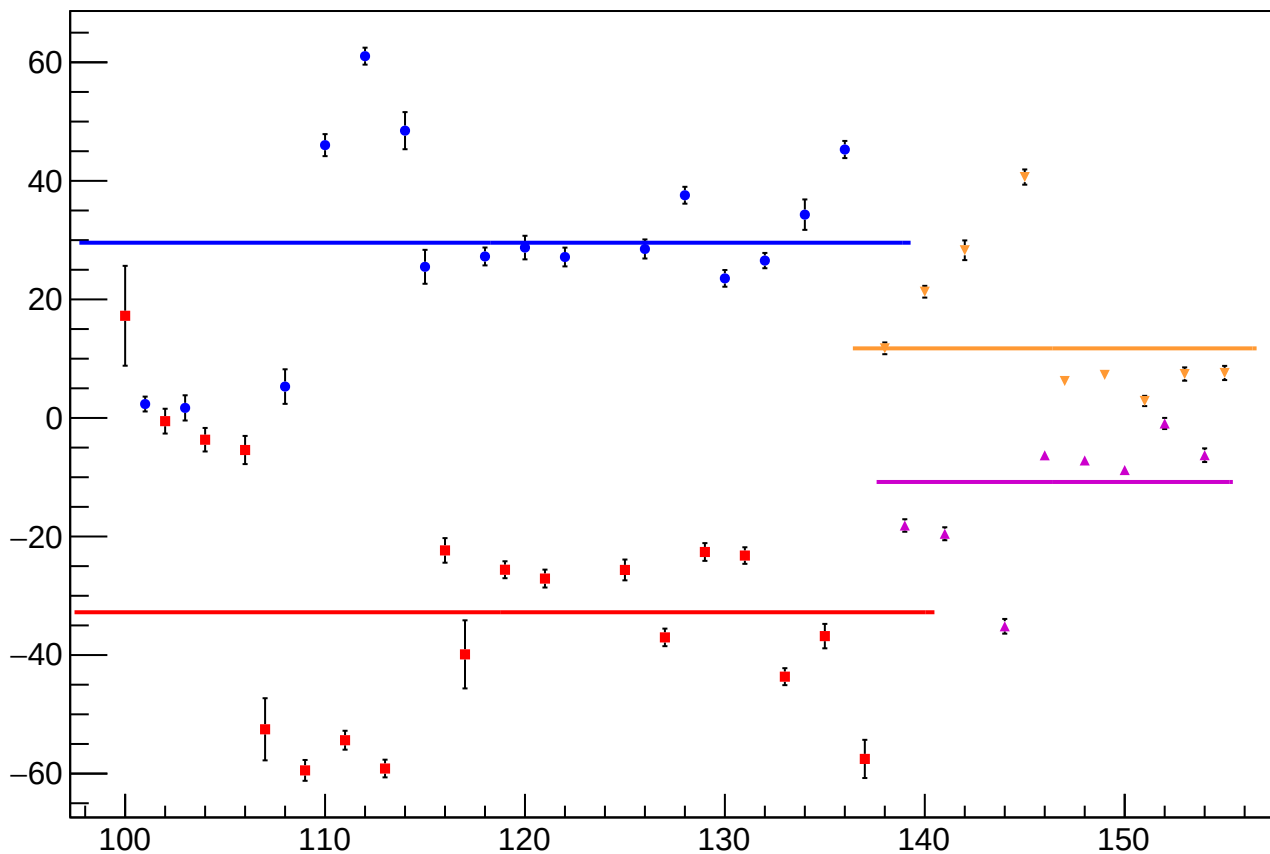
Left In: -1.507 ± 0.228 χ^2/NDF : 79.7/7

2.608 ± 0.156 χ^2/NDF : 574.3/24

-0.107 ± 0.112 χ^2/NDF : 1705.7/51

-2.950 ± 0.160 χ^2/NDF : 513.9/26

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: 11.739+/-0.337 χ^2/NDF : 904.2/8

Right Out: -32.780+/-0.422 χ^2/NDF : 1664.8/18

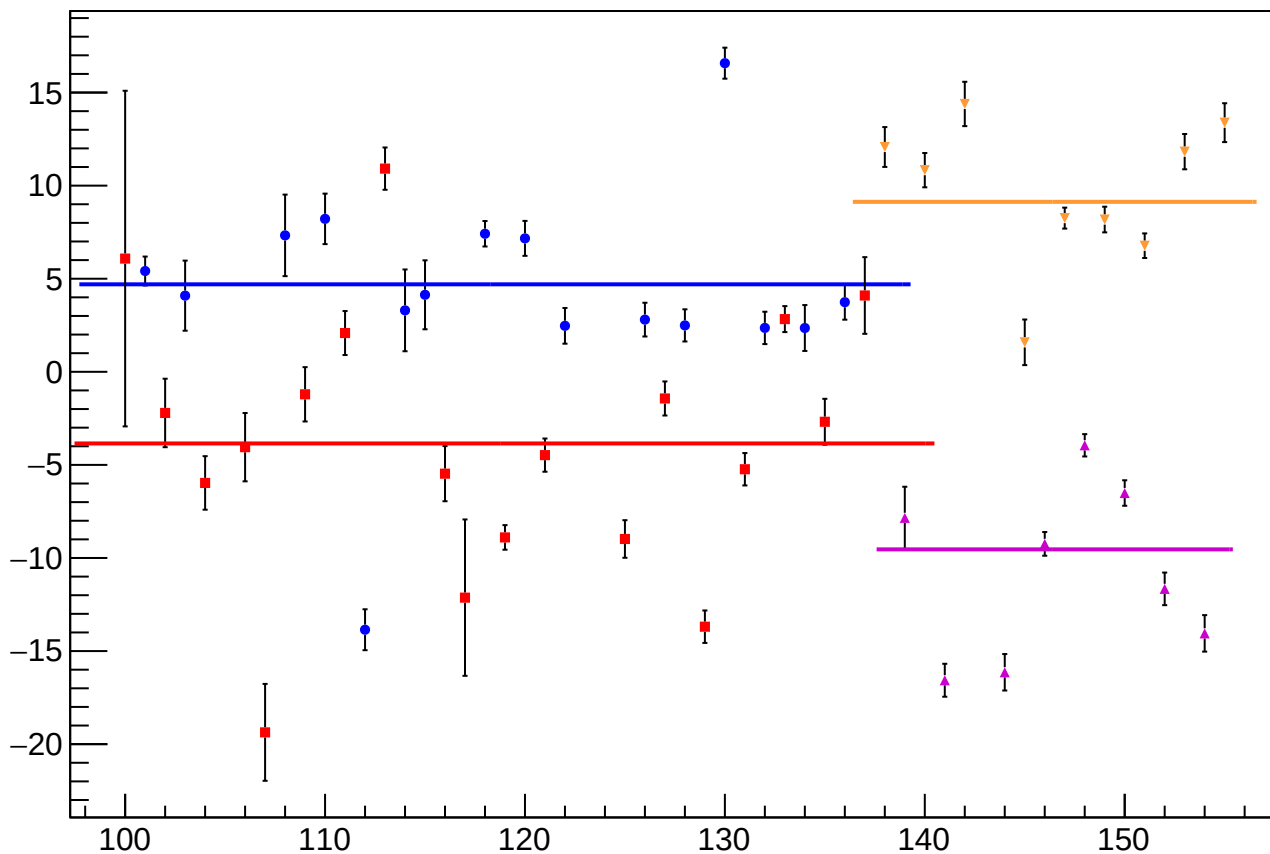
Left In: -10.800+/-0.339 χ^2/NDF : 678.5/7

18.730+/-0.263 χ^2/NDF : 3496.0/24

-0.253+/-0.186 χ^2/NDF : 17982.2/51

-19.417+/-0.264 χ^2/NDF : 3995.7/26

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: 9.130 ± 0.277 $\chi^2/\text{NDF}: 110.1/8$

Right Out: -3.848 ± 0.258 $\chi^2/\text{NDF}: 571.5/18$

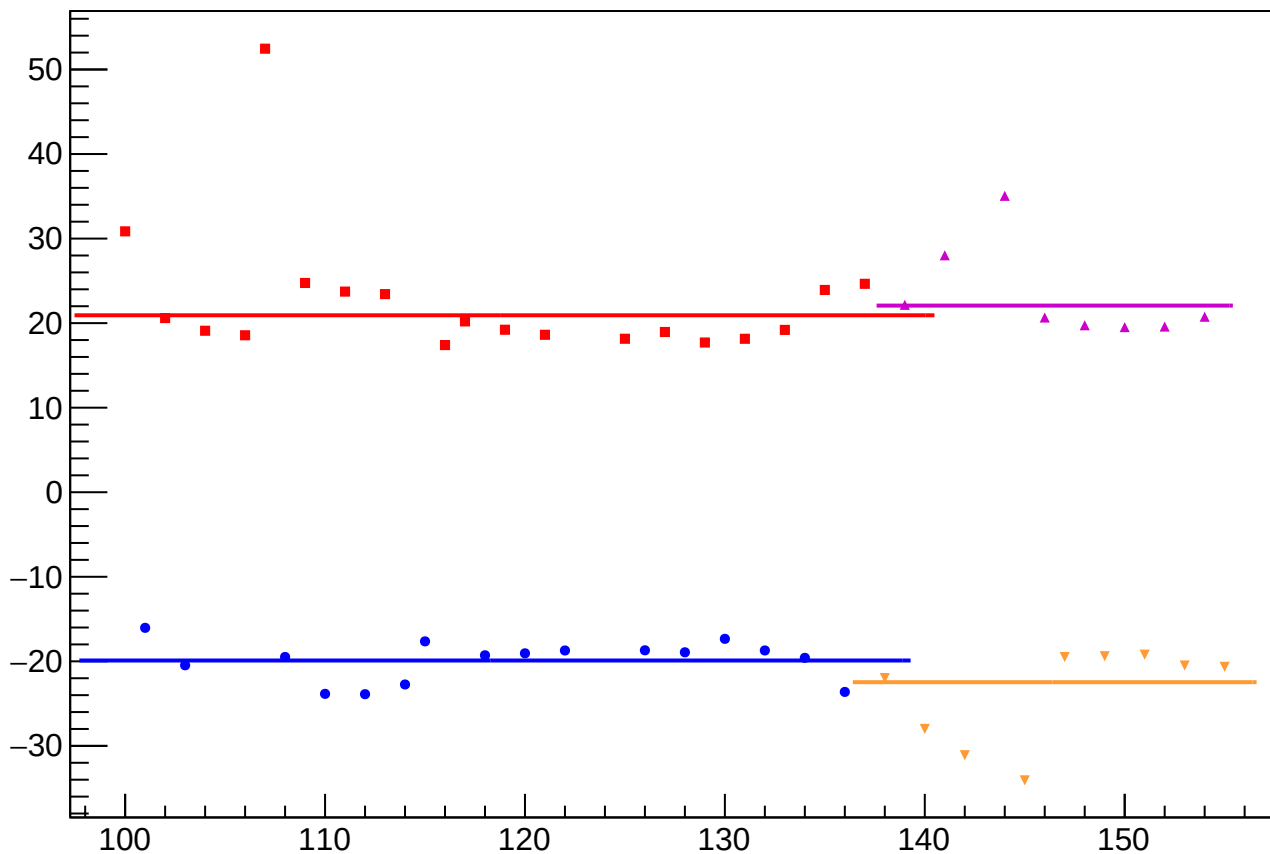
Left In: -9.537 ± 0.284 $\chi^2/\text{NDF}: 243.4/7$

6.720 ± 0.187 $\chi^2/\text{NDF}: 797.9/24$

0.274 ± 0.134 $\chi^2/\text{NDF}: 4246.7/51$

-6.421 ± 0.191 $\chi^2/\text{NDF}: 1034.8/26$

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: -22.468 ± 0.014 χ^2/NDF : 110414.1/8

Right Out: 20.928 ± 0.016 χ^2/NDF : 94015.9/18

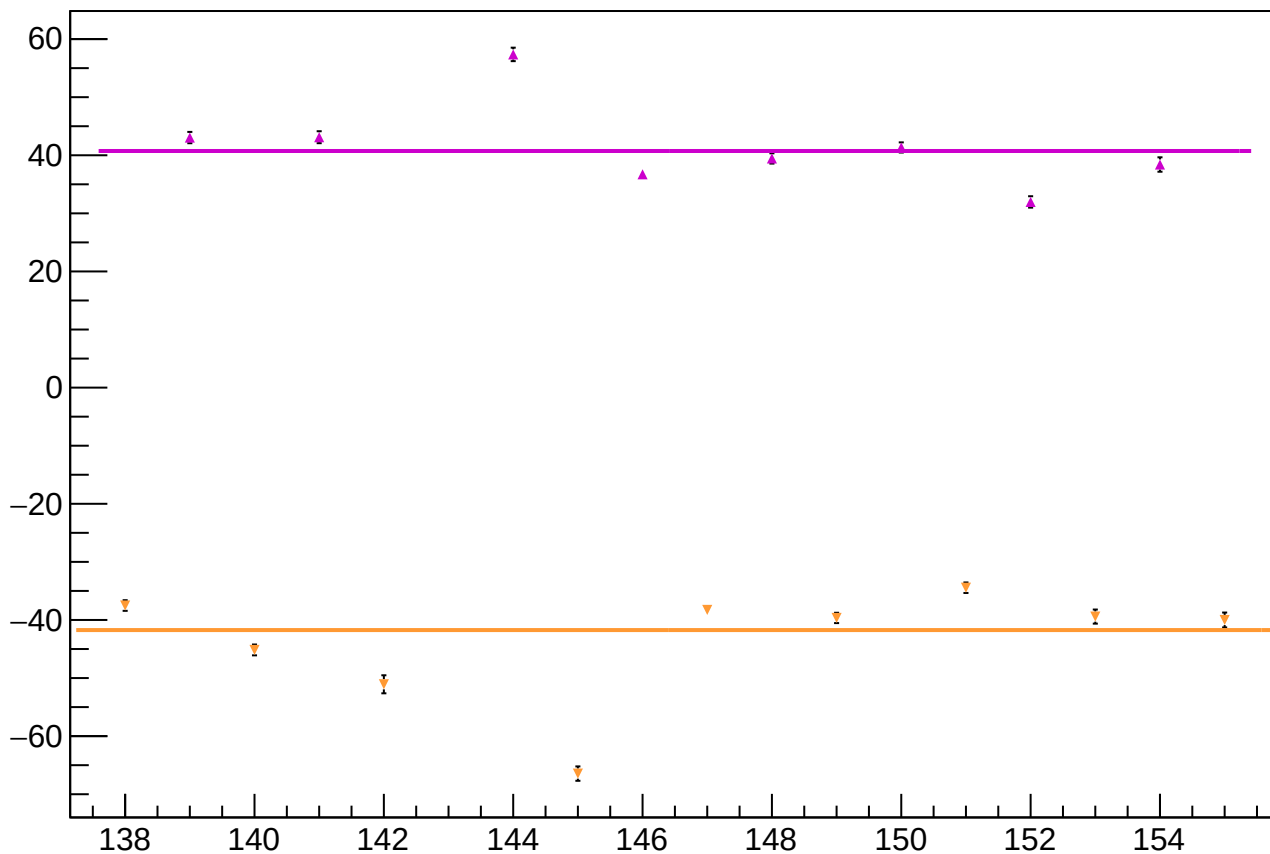
Left In: 22.074 ± 0.014 χ^2/NDF : 91331.3/7

-21.336 ± 0.010 χ^2/NDF : 151486.8/24

0.144 ± 0.007 χ^2/NDF : 8872241.1/51

21.573 ± 0.010 χ^2/NDF : 188348.0/26

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: -41.740+/-0.342 χ^2/NDF : 561.0/8

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

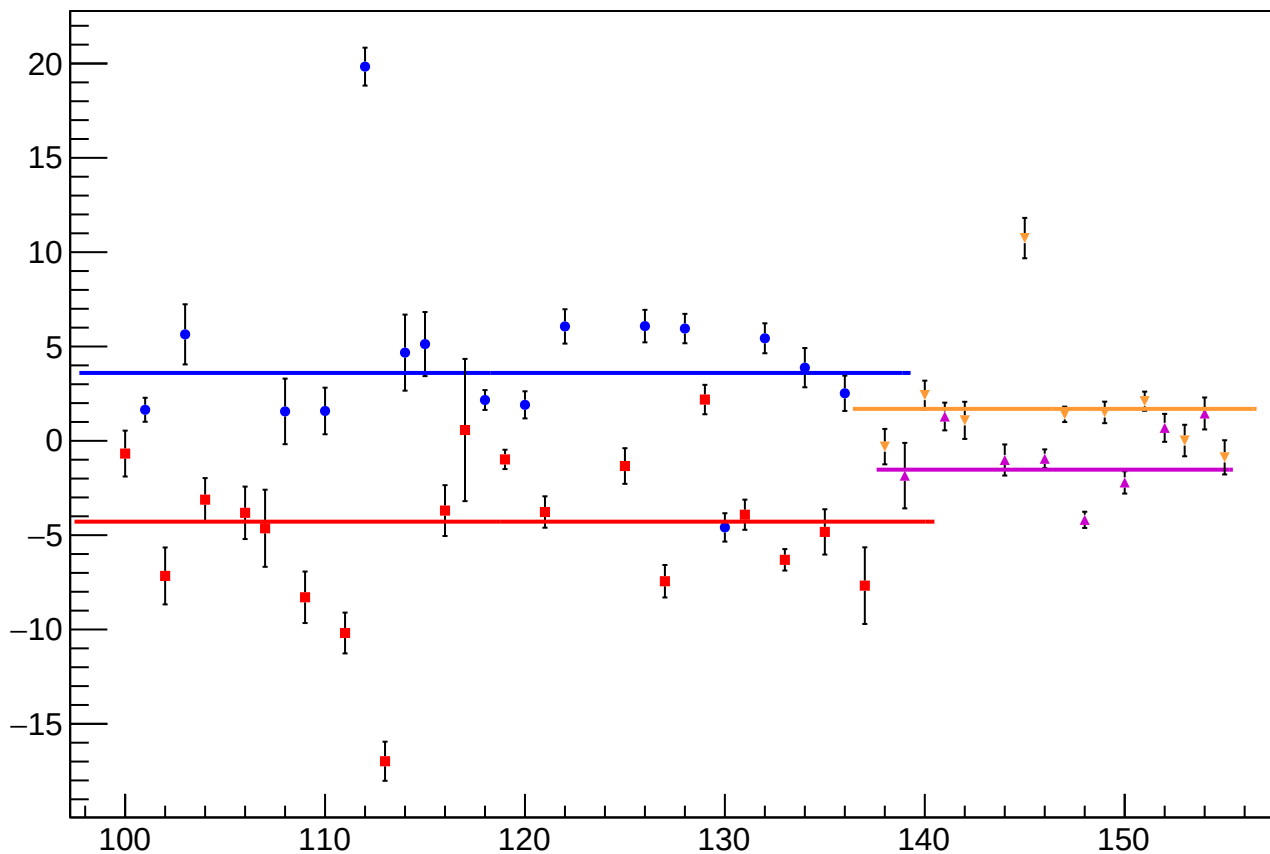
Left In: 40.736+/-0.345 χ^2/NDF : 324.9/7

-41.740+/-0.342 χ^2/NDF : 561.0/8

-0.810+/-0.243 χ^2/NDF : 29689.8/16

40.736+/-0.345 χ^2/NDF : 324.9/7

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: 1.694 ± 0.222 χ^2/NDF : 90.7/8

Right Out: -4.284 ± 0.221 χ^2/NDF : 353.8/18

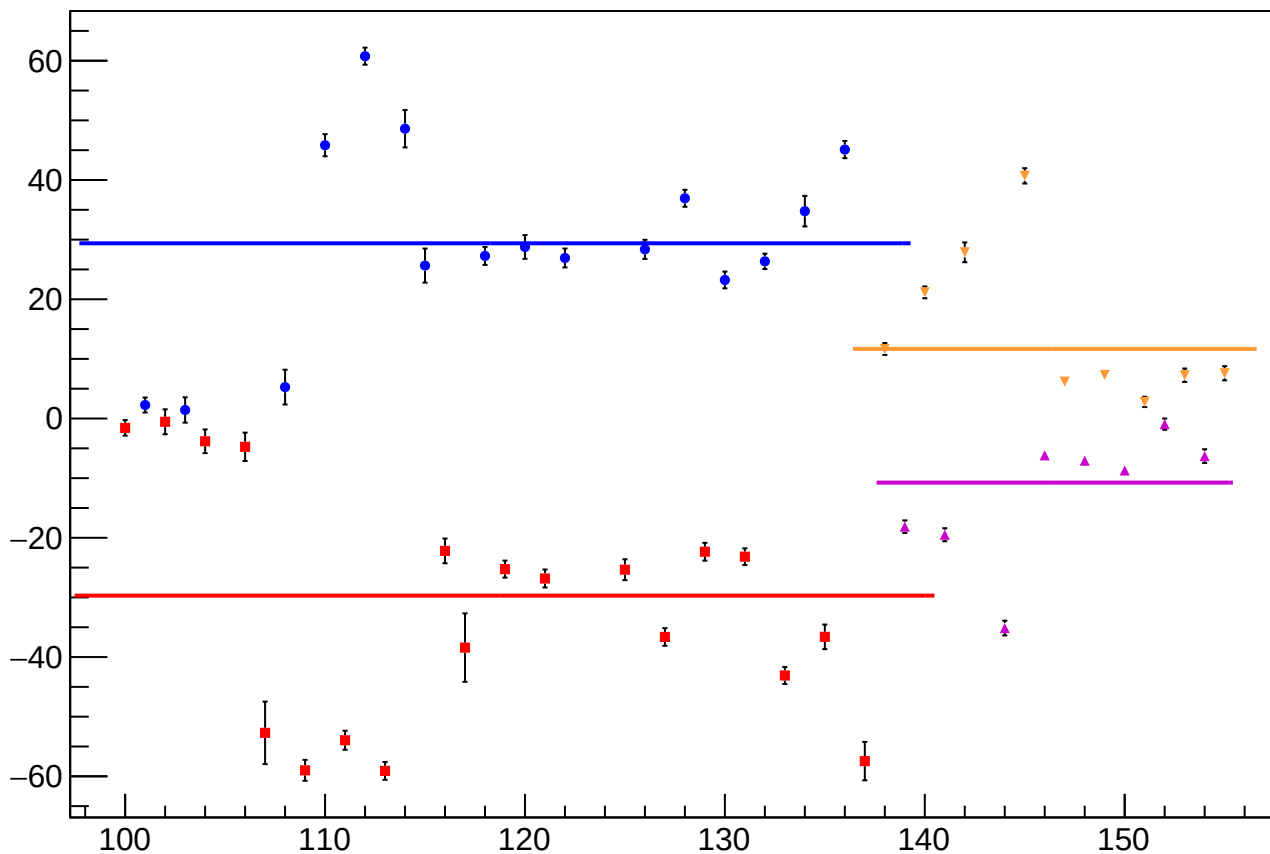
Left In: -1.528 ± 0.228 χ^2/NDF : 77.6/7

2.653 ± 0.156 χ^2/NDF : 568.1/24

-0.107 ± 0.111 χ^2/NDF : 1709.0/51

-2.951 ± 0.159 χ^2/NDF : 506.9/26

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.387 $\pm$ 0.419 χ^2 /NDF: 1488.6/15

Left Out: 11.674 $\pm$ 0.337 χ^2 /NDF: 902.6/8

Right Out: -29.695 $\pm$ 0.401 χ^2 /NDF: 2133.3/18

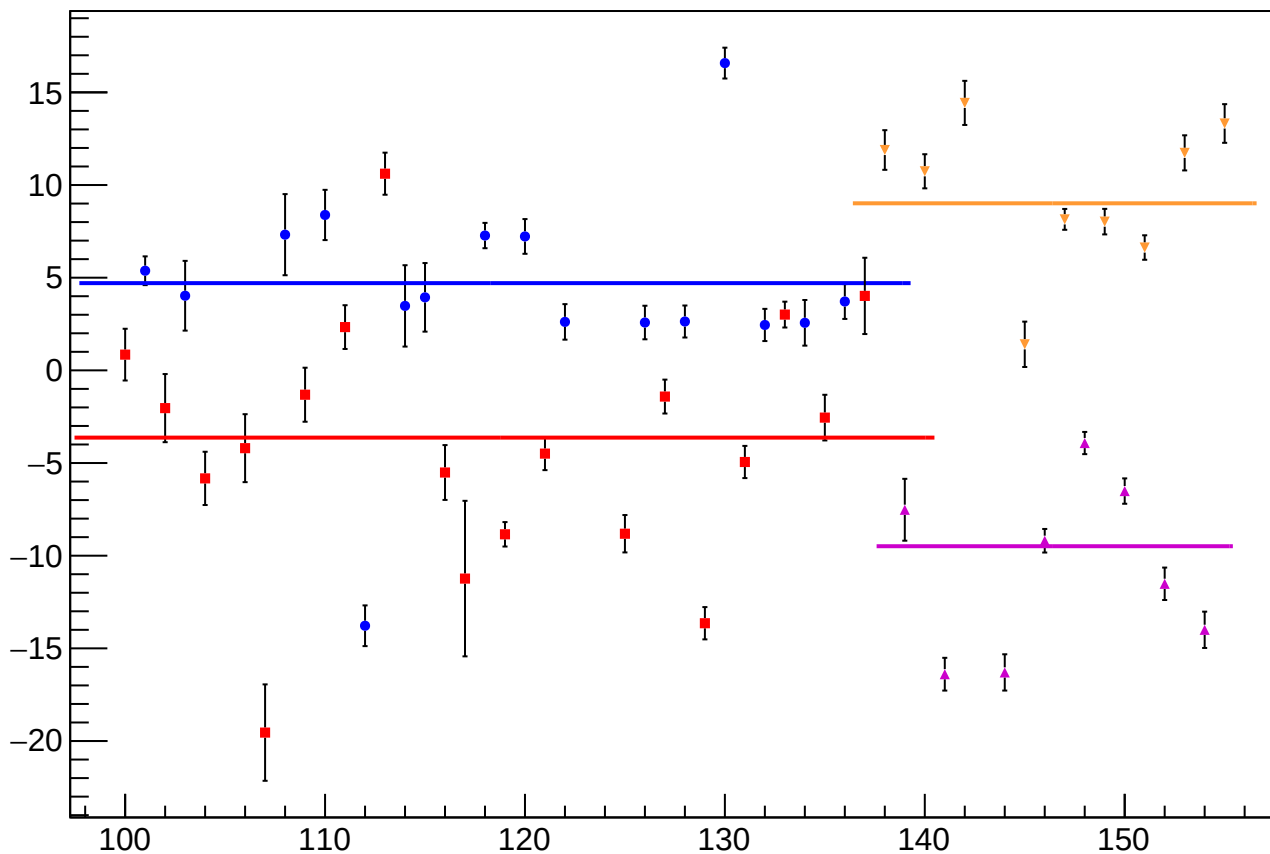
Left In: -10.745 $\pm$ 0.338 χ^2 /NDF: 681.2/7

18.621 $\pm$ 0.263 χ^2 /NDF: 3476.2/24

-0.275 $\pm$ 0.184 χ^2 /NDF: 17800.2/51

-18.617 $\pm$ 0.259 χ^2 /NDF: 4117.6/26

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: 9.013 ± 0.277 $\chi^2/\text{NDF}: 112.9/8$

Right Out: -3.629 ± 0.254 $\chi^2/\text{NDF}: 576.7/18$

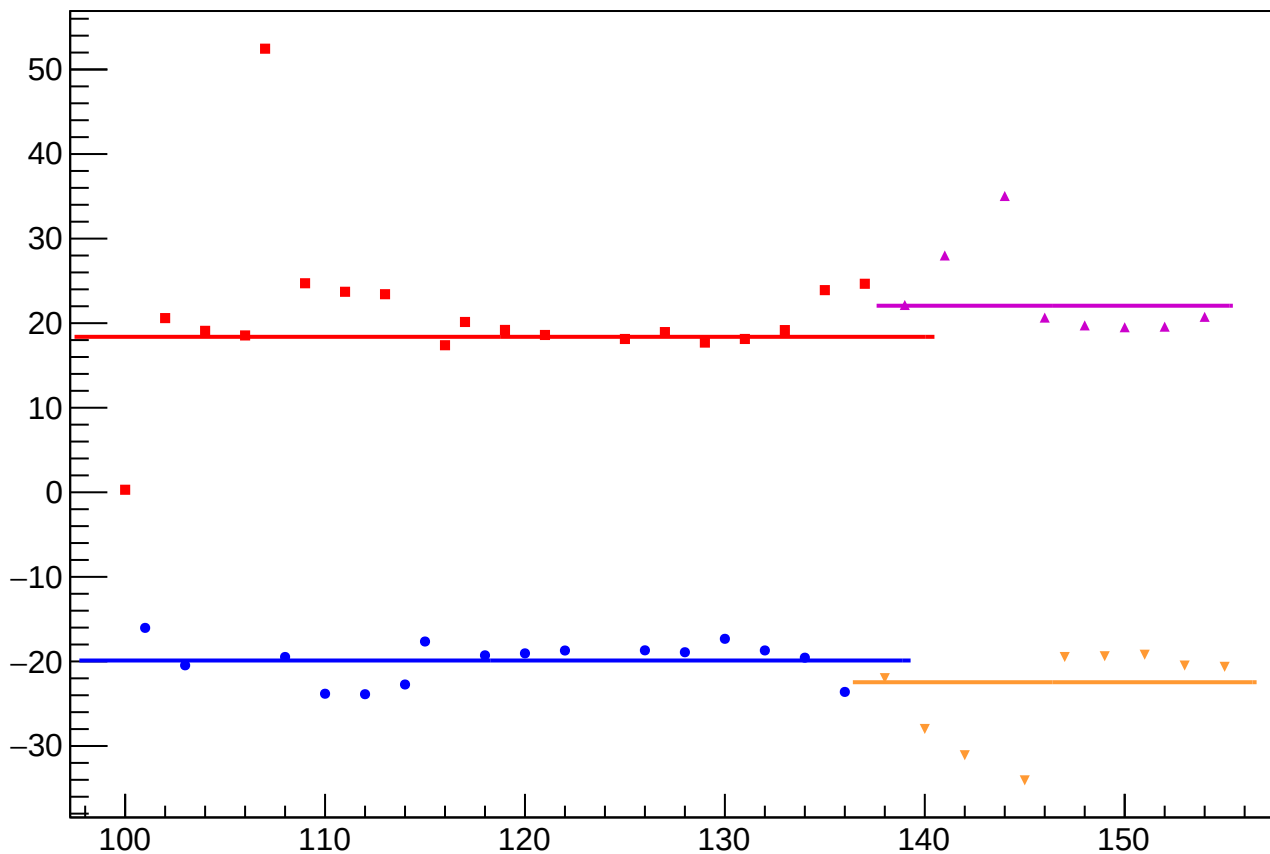
Left In: -9.489 ± 0.284 $\chi^2/\text{NDF}: 242.8/7$

6.671 ± 0.187 $\chi^2/\text{NDF}: 789.4/24$

0.283 ± 0.133 $\chi^2/\text{NDF}: 4197.5/51$

-6.232 ± 0.189 $\chi^2/\text{NDF}: 1056.7/26$

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: -22.459 ± 0.014 $\chi^2/\text{NDF}: 110478.9/8$

Right Out: 18.386 ± 0.015 $\chi^2/\text{NDF}: 301044.3/18$

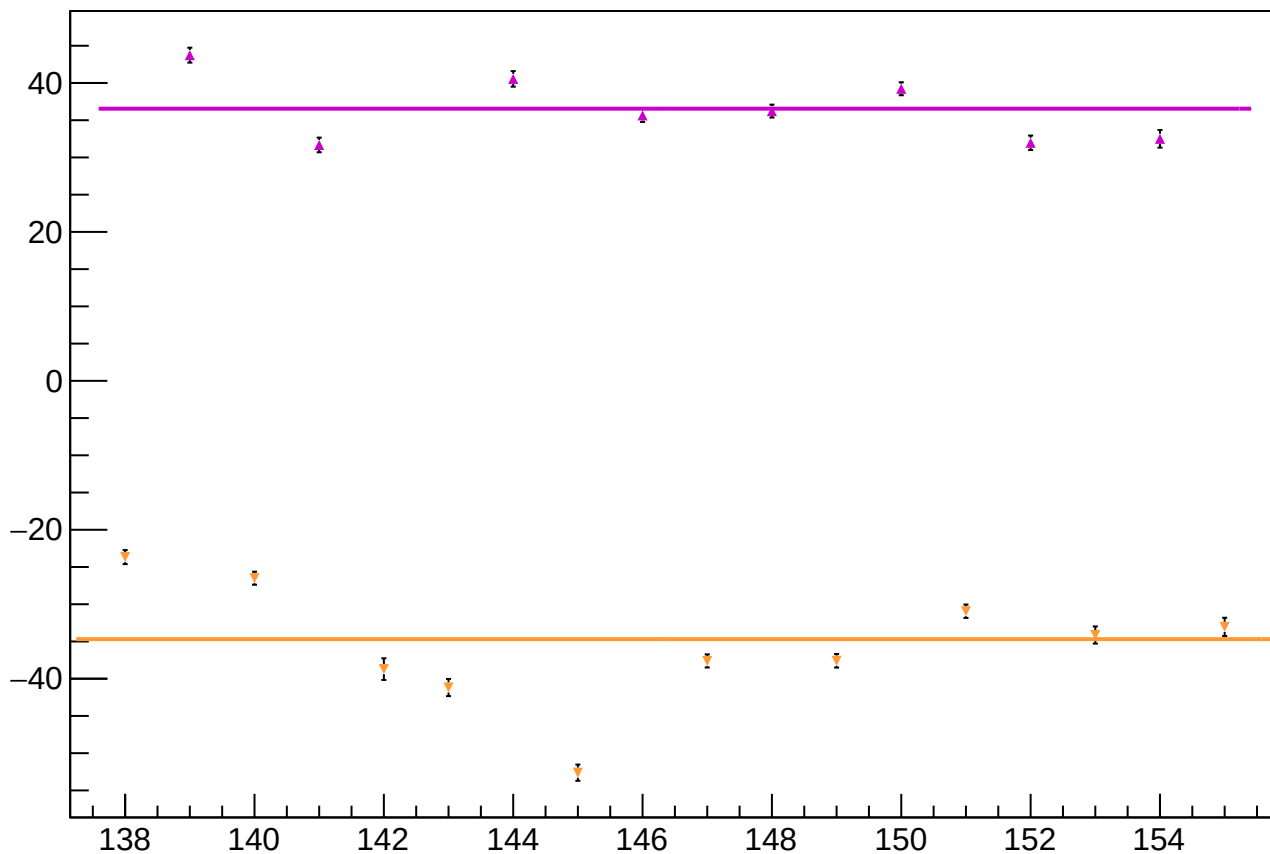
Left In: 22.063 ± 0.014 $\chi^2/\text{NDF}: 91284.9/7$

-21.326 ± 0.010 $\chi^2/\text{NDF}: 151605.2/24$

0.127 ± 0.007 $\chi^2/\text{NDF}: 8861511.3/51$

20.339 ± 0.010 $\chi^2/\text{NDF}: 425459.4/26$

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: -34.690+/-0.322 χ^2/NDF : 573.9/9

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

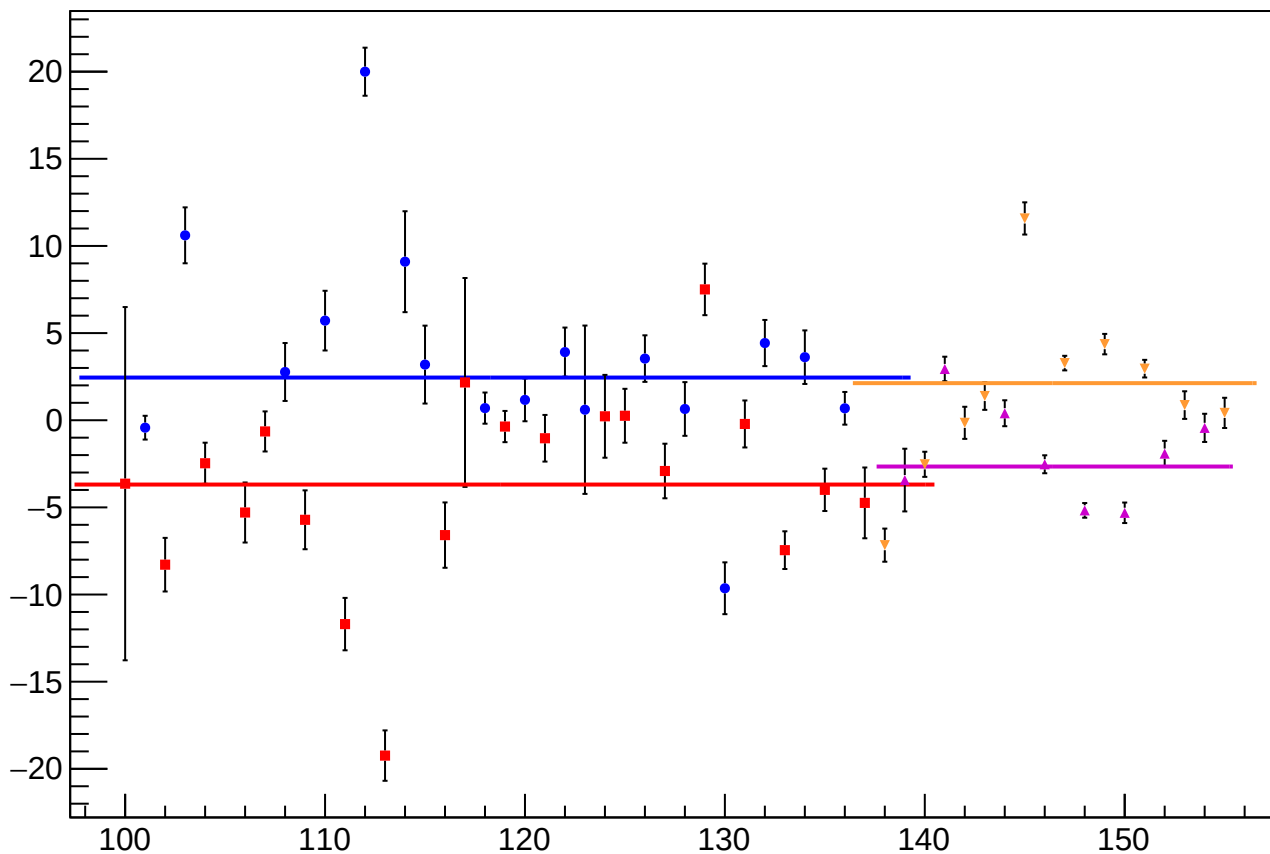
Left In: 36.549+/-0.340 χ^2/NDF : 134.7/7

-34.690+/-0.322 χ^2/NDF : 573.9/9

-1.004+/-0.234 χ^2/NDF : 23786.4/17

36.549+/-0.340 χ^2/NDF : 134.7/7

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: 2.128 ± 0.211 χ^2/NDF : 280.1/9

Right Out: -3.690 ± 0.326 χ^2/NDF : 270.4/19

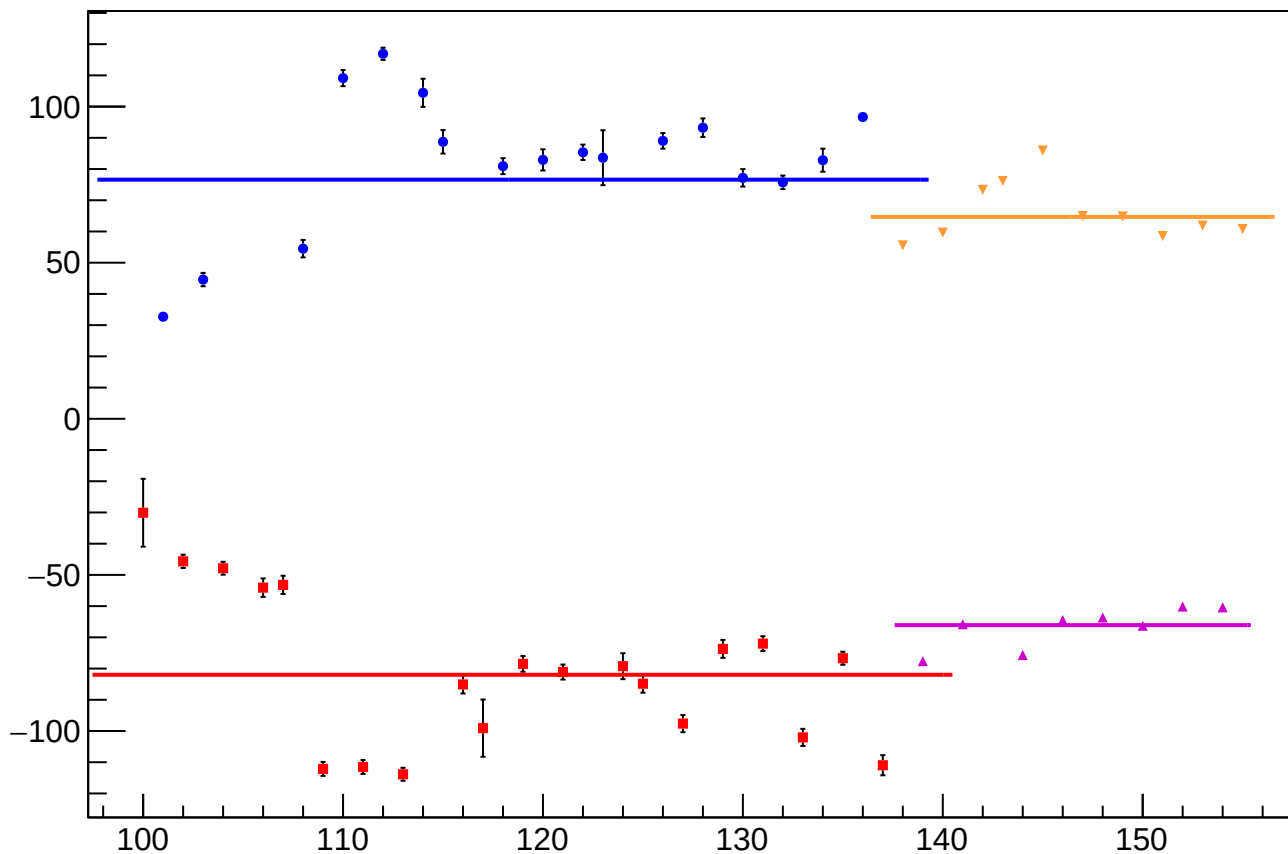
Left In: -2.656 ± 0.225 χ^2/NDF : 145.1/7

2.228 ± 0.175 χ^2/NDF : 576.2/26

-0.241 ± 0.127 χ^2/NDF : 1417.5/54

-2.989 ± 0.185 χ^2/NDF : 422.2/27

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: 64.676+/-0.320 χ^2/NDF : 644.9/9

Right Out: -81.987+/-0.591 χ^2/NDF : 1574.2/19

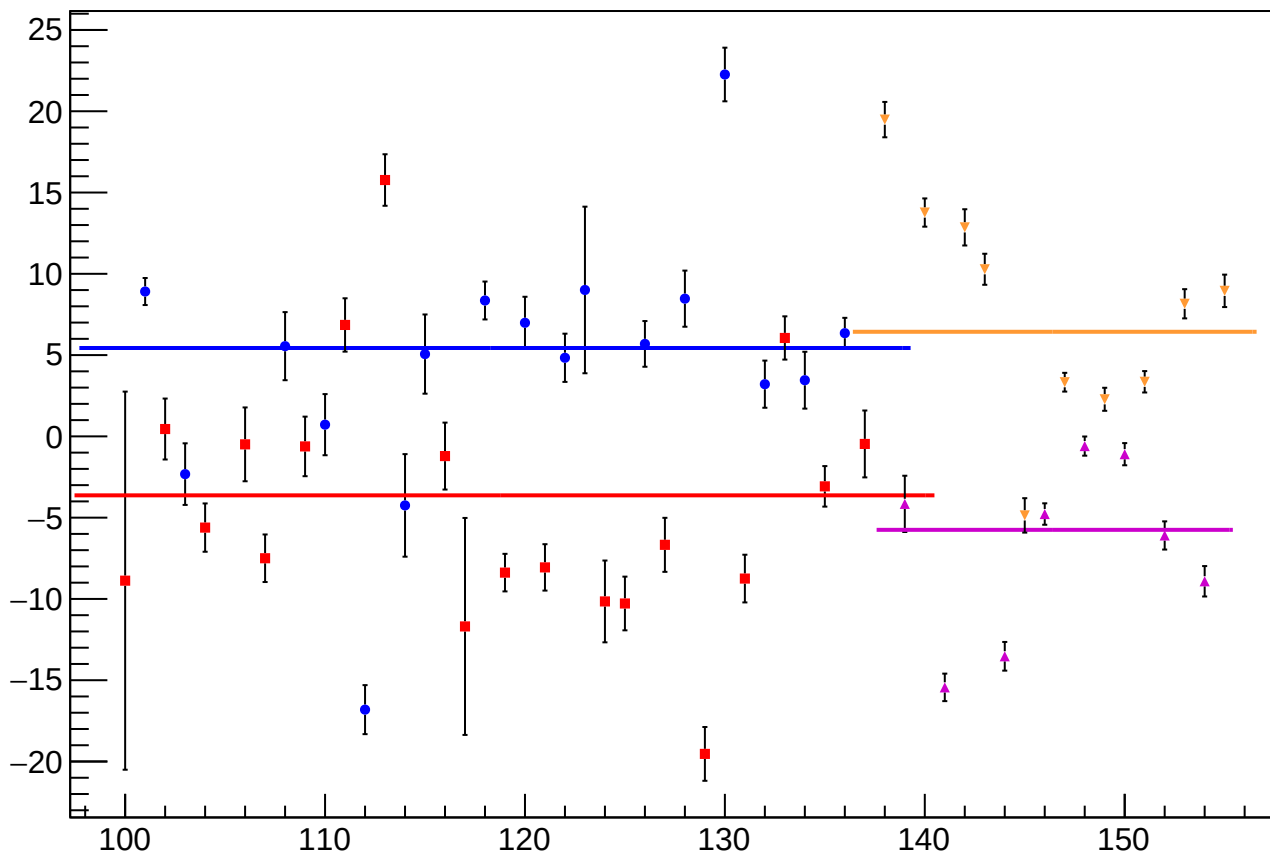
Left In: -66.080+/-0.334 χ^2/NDF : 266.5/7

67.485+/-0.280 χ^2/NDF : 3227.5/26

1.507+/-0.202 χ^2/NDF : 121571.6/54

-69.939+/-0.291 χ^2/NDF : 2389.8/27

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: 6.434 $\pm$ 0.262 χ^2/NDF : 473.6/9

Right Out: -3.628 $\pm$ 0.374 χ^2/NDF : 424.8/19

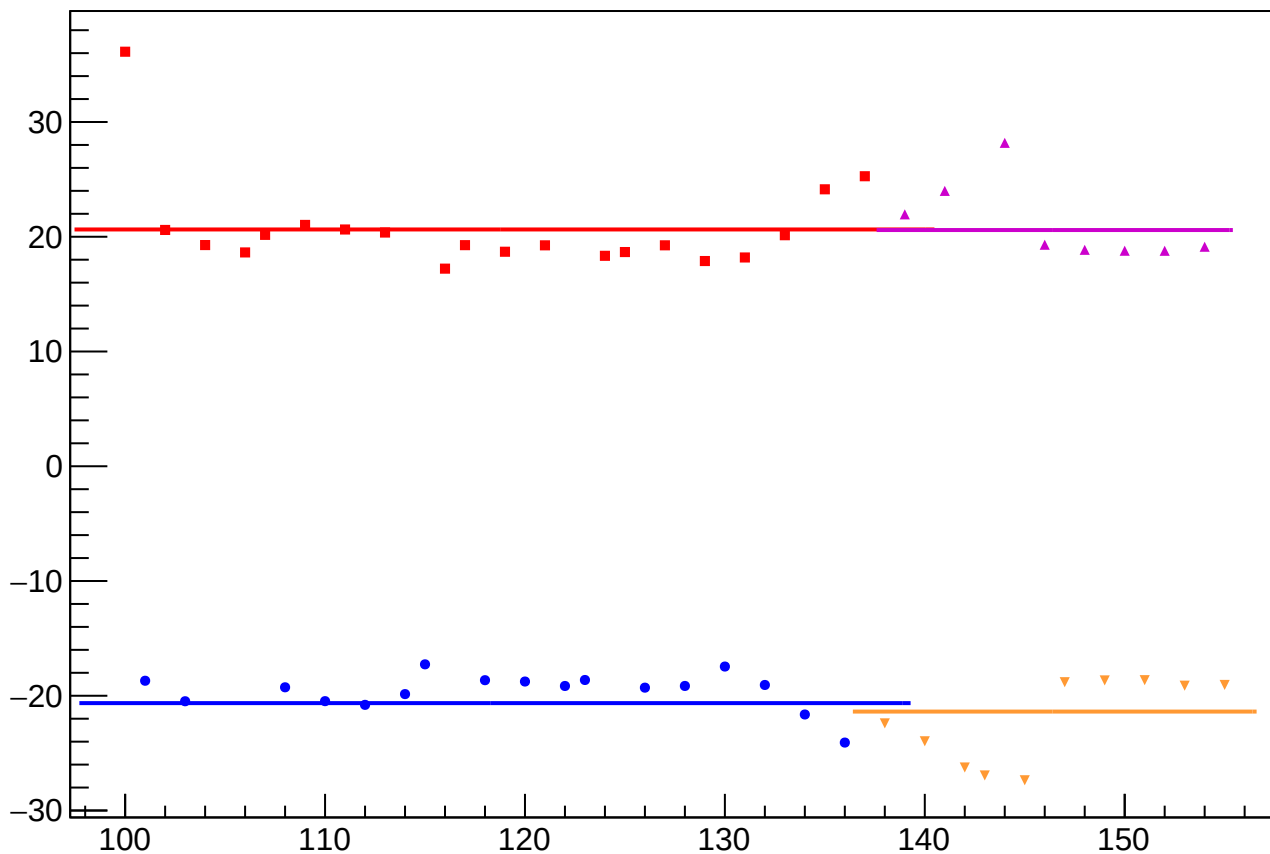
Left In: -5.749 $\pm$ 0.279 χ^2/NDF : 346.6/7

6.088 $\pm$ 0.212 χ^2/NDF : 865.9/26

0.847 $\pm$ 0.154 χ^2/NDF : 2947.9/54

-4.991 $\pm$ 0.224 χ^2/NDF : 791.9/27

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.642+/-0.019 χ^2/NDF : 12431.5/16

Left Out: -21.378+/-0.013 χ^2/NDF : 63172.1/9

Right Out: 20.635+/-0.019 χ^2/NDF : 13794.0/19

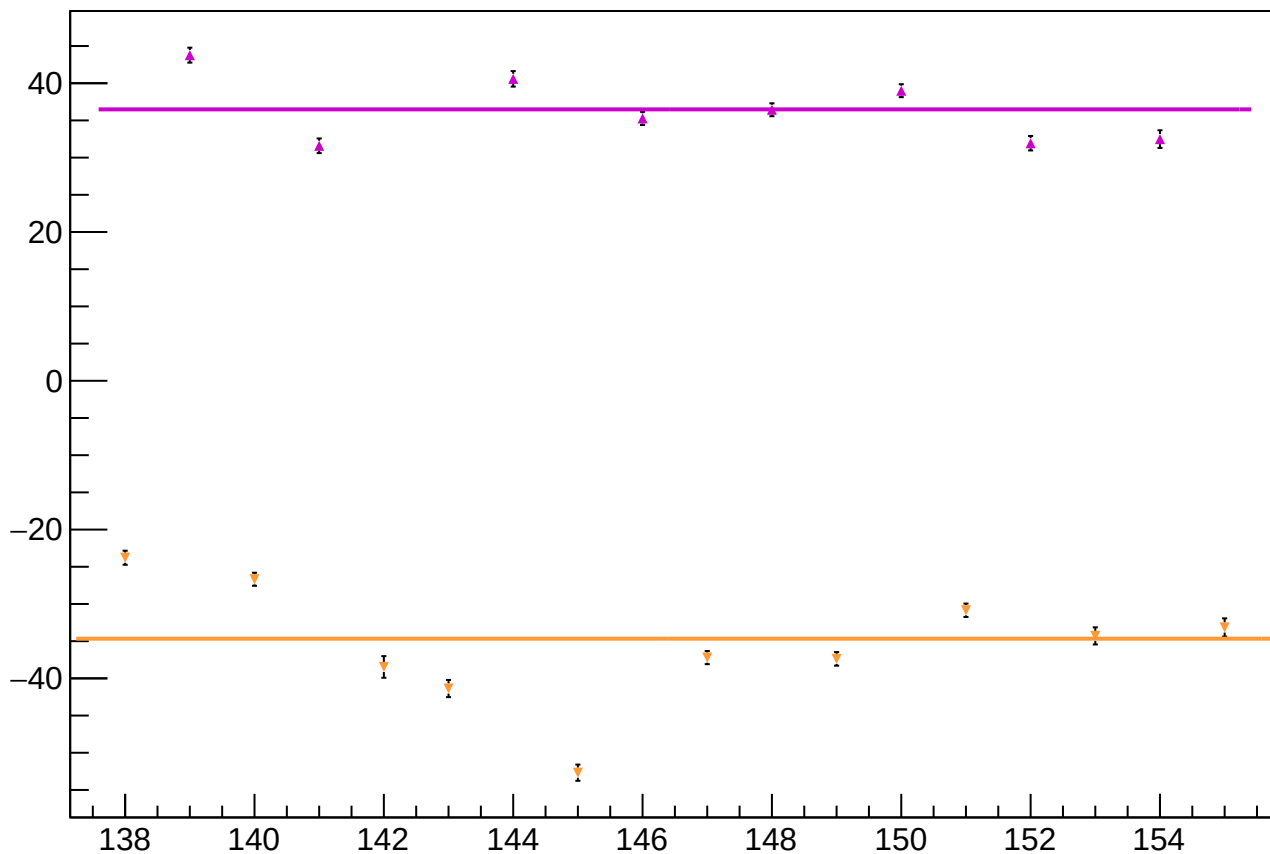
Left In: 20.585+/-0.014 χ^2/NDF : 41905.1/7

-21.146+/-0.011 χ^2/NDF : 76596.3/26

-0.875+/-0.008 χ^2/NDF : 7306997.5/54

20.602+/-0.011 χ^2/NDF : 55703.6/27

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: -34.663+/-0.323 χ^2/NDF : 565.6/9

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

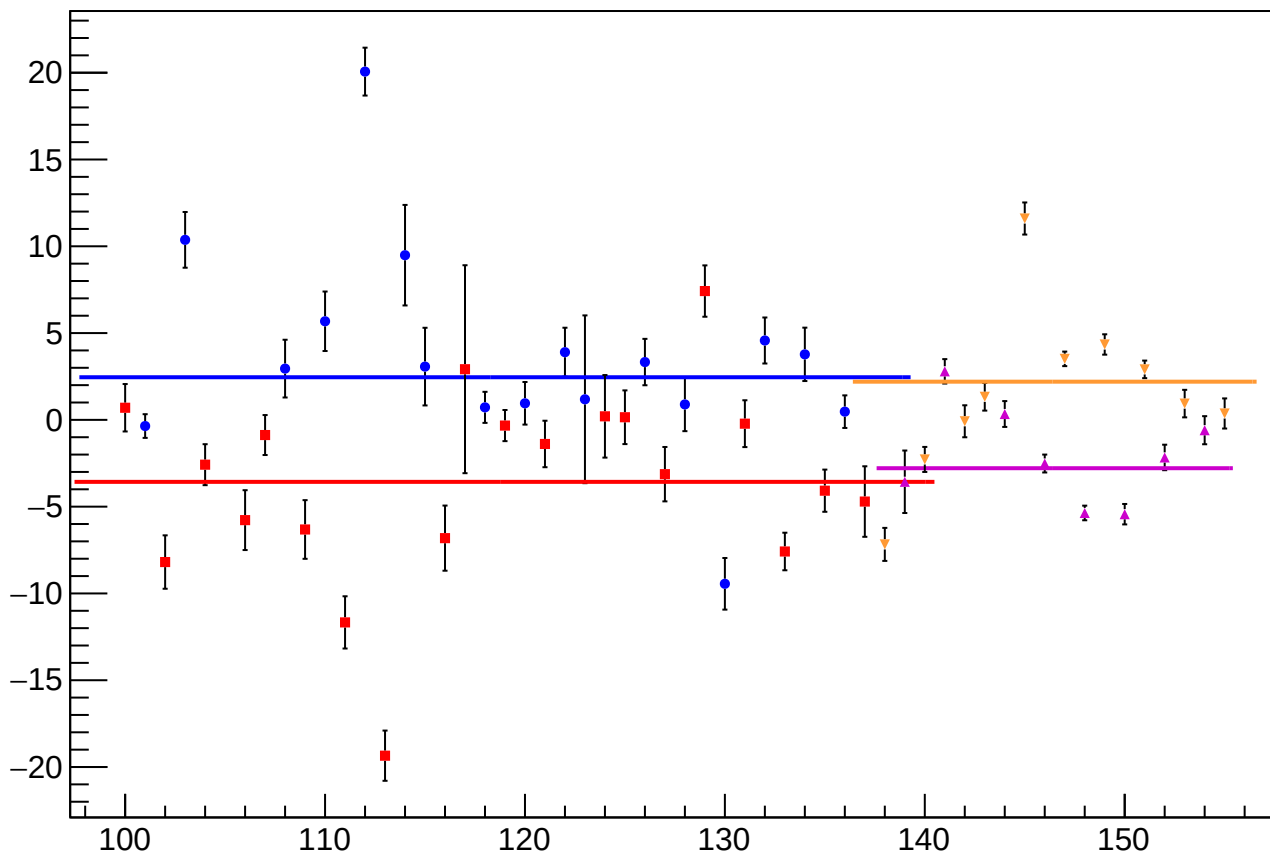
Left In: 36.484+/-0.341 χ^2/NDF : 136.0/7

-34.663+/-0.323 χ^2/NDF : 565.6/9

-1.023+/-0.234 χ^2/NDF : 23690.6/17

36.484+/-0.341 χ^2/NDF : 136.0/7

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: 2.200 ± 0.211 χ^2/NDF : 278.6/9

Right Out: -3.571 ± 0.317 χ^2/NDF : 281.0/19

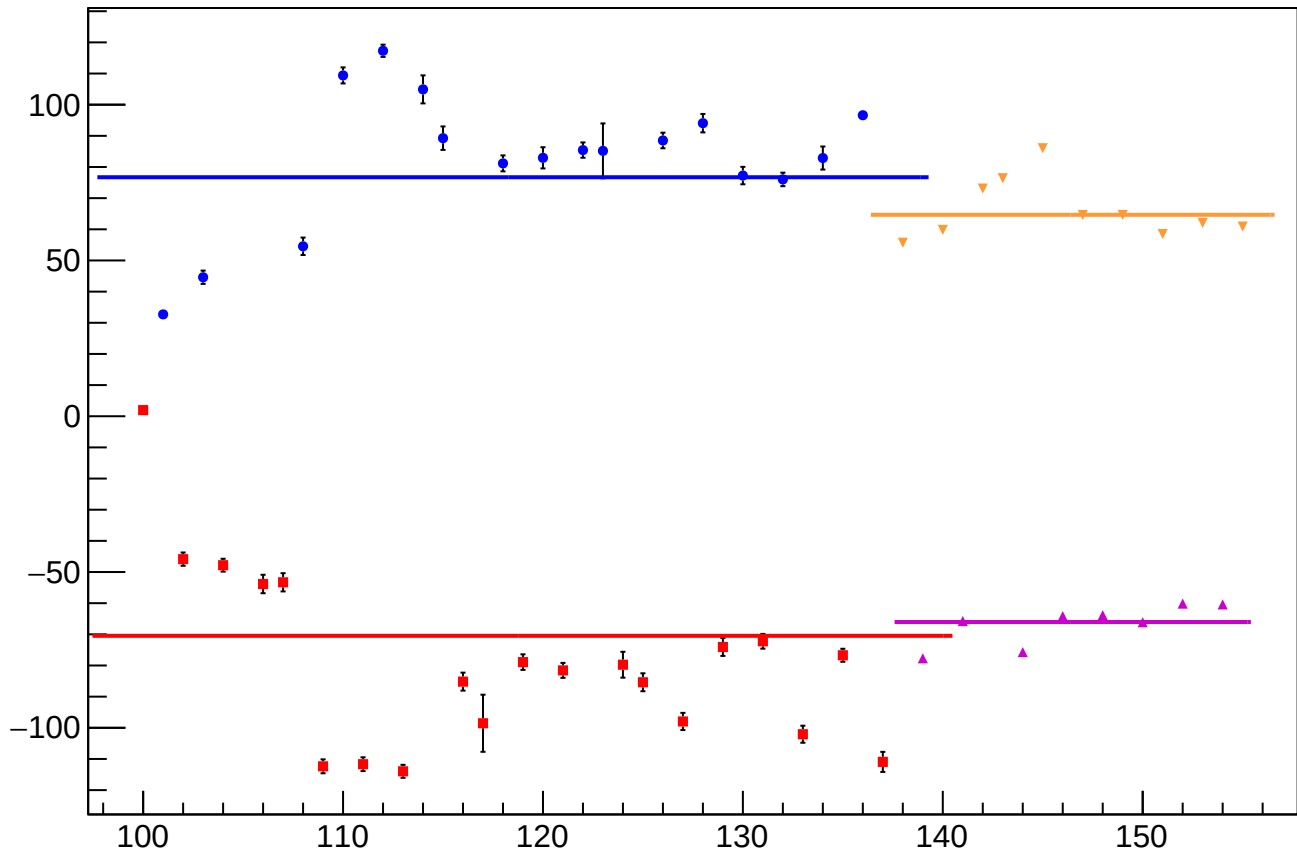
Left In: -2.785 ± 0.225 χ^2/NDF : 146.7/7

2.280 ± 0.175 χ^2/NDF : 572.5/26

-0.266 ± 0.127 χ^2/NDF : 1444.9/54

-3.048 ± 0.183 χ^2/NDF : 431.8/27

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.713+/-0.576 χ^2/NDF : 2266.6/16

Left Out: 64.654+/-0.320 χ^2/NDF : 644.7/9

Right Out: -70.477+/-0.549 χ^2/NDF : 4400.1/19

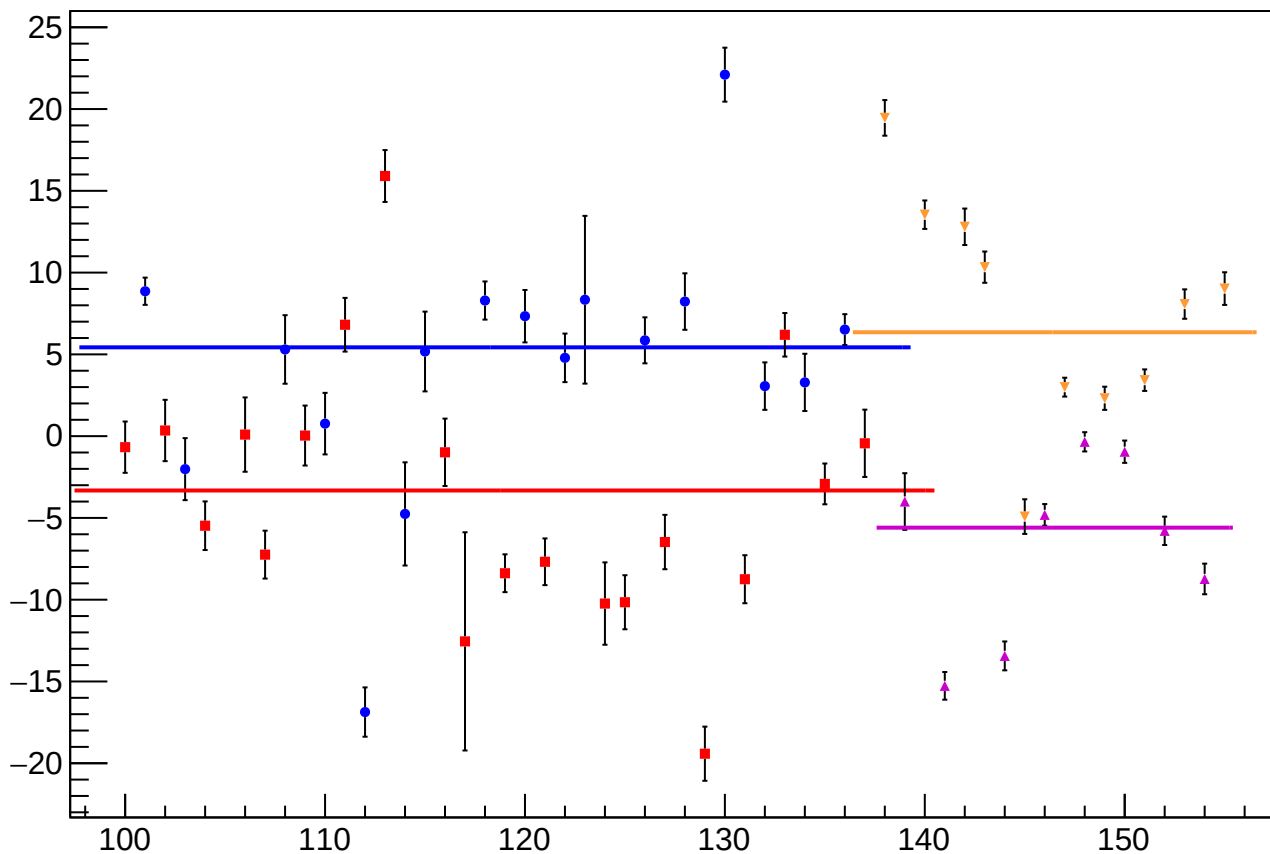
Left In: -66.040+/-0.335 χ^2/NDF : 267.7/7

67.496+/-0.280 χ^2/NDF : 3245.9/26

1.530+/-0.200 χ^2/NDF : 121493.4/54

-67.242+/-0.286 χ^2/NDF : 4715.5/27

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: 6.353 $\pm$ 0.263 χ^2/NDF : 474.2/9

Right Out: -3.323 $\pm$ 0.365 χ^2/NDF : 428.0/19

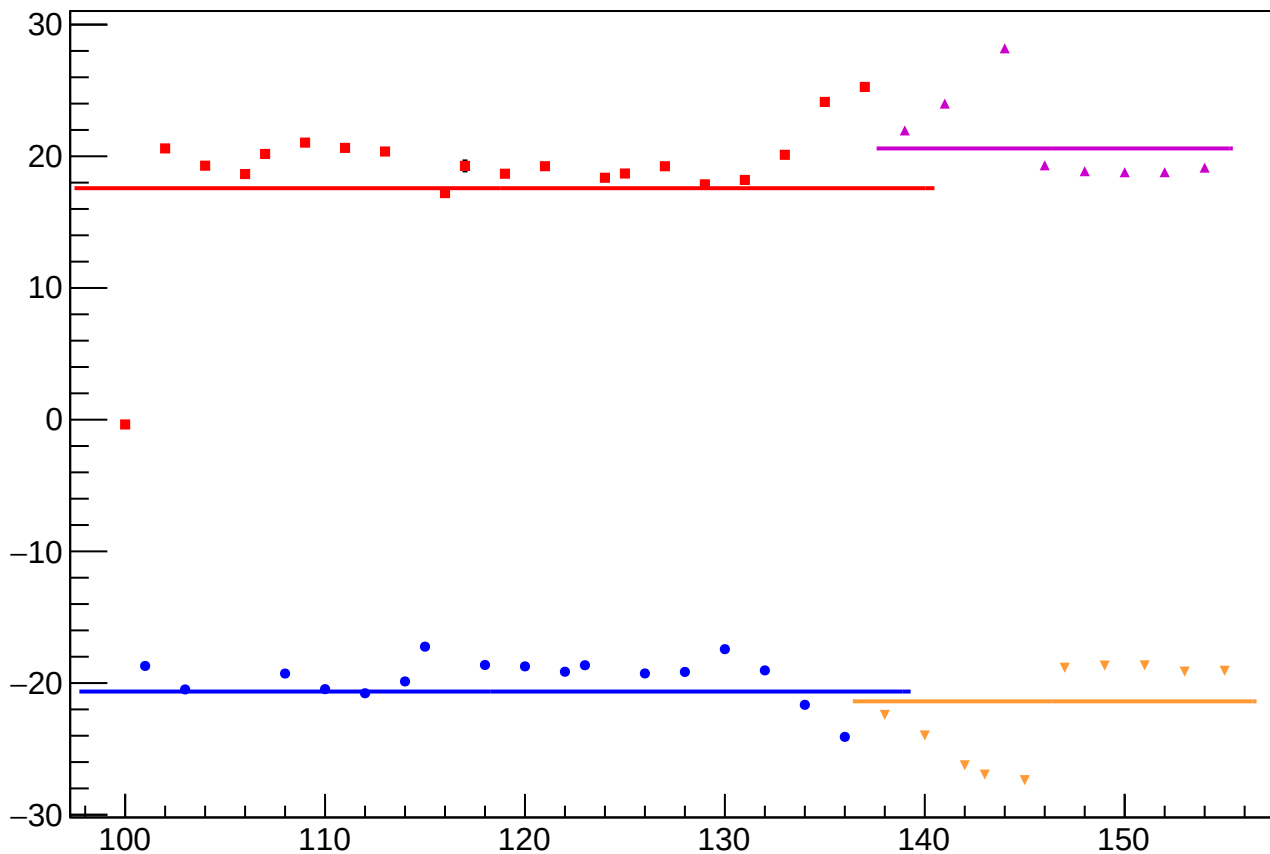
Left In: -5.595 $\pm$ 0.280 χ^2/NDF : 348.5/7

6.033 $\pm$ 0.212 χ^2/NDF : 864.4/26

0.876 $\pm$ 0.153 χ^2/NDF : 2899.5/54

-4.754 $\pm$ 0.222 χ^2/NDF : 801.0/27

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: -21.388+/-0.013 χ^2/NDF : 63026.4/9

Right Out: 17.577+/-0.018 χ^2/NDF : 178343.3/19

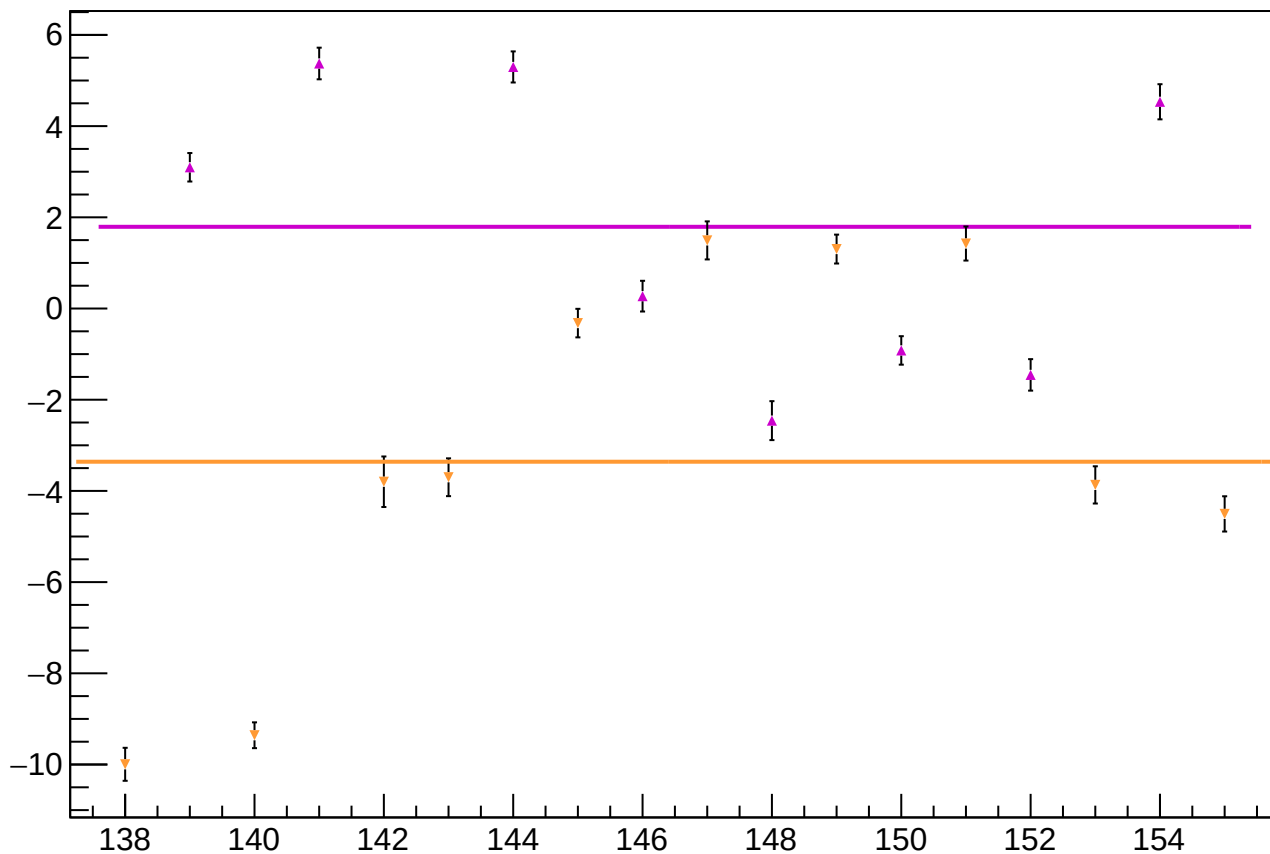
Left In: 20.595+/-0.014 χ^2/NDF : 41859.2/7

-21.153+/-0.011 χ^2/NDF : 76510.2/26

-0.879+/-0.008 χ^2/NDF : 7292427.9/54

19.492+/-0.011 χ^2/NDF : 238002.0/27

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: -3.360+/-0.115 χ^2/NDF : 1408.4/9

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

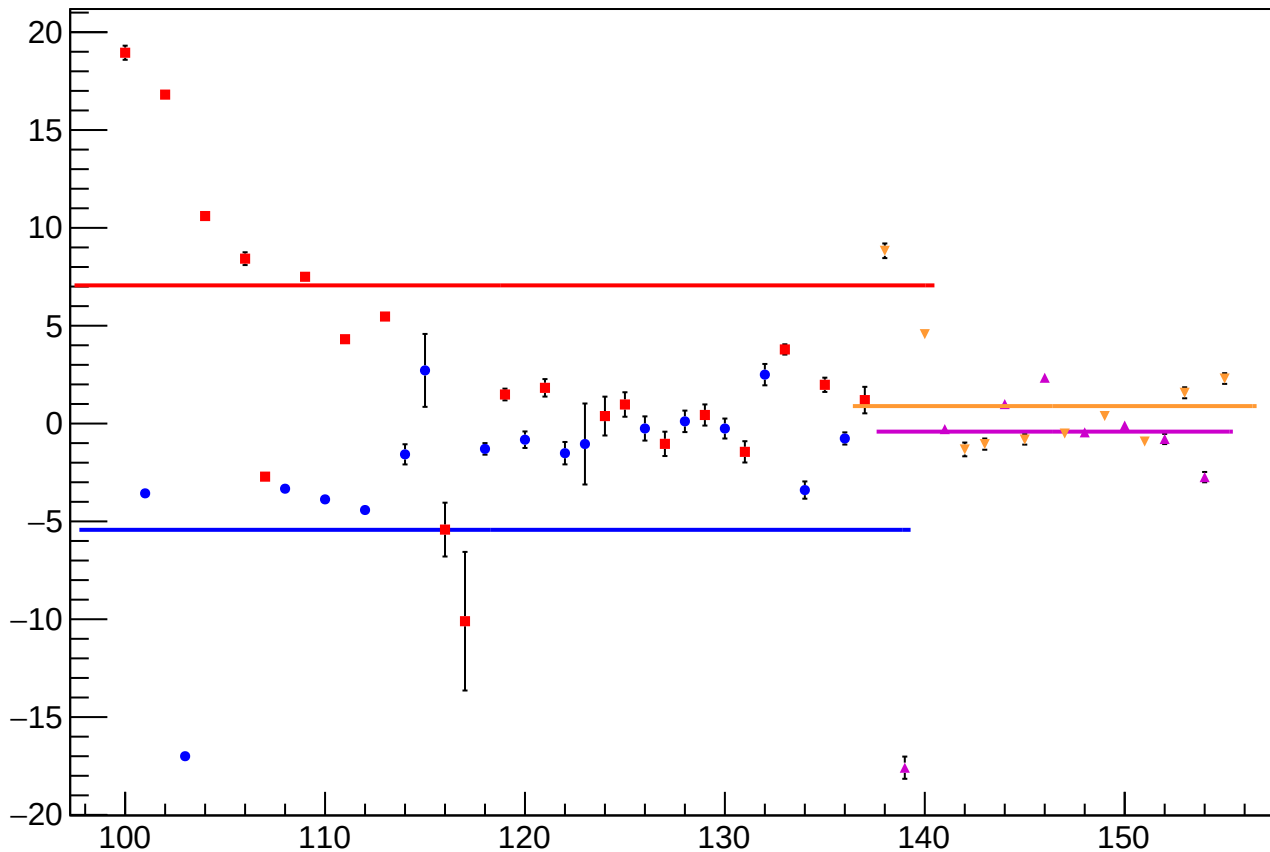
Left In: 1.792+/-0.122 χ^2/NDF : 563.8/7

-3.360+/-0.115 χ^2/NDF : 1408.4/9

-0.932+/-0.084 χ^2/NDF : 2910.3/17

1.792+/-0.122 χ^2/NDF : 563.8/7

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: 0.892+/-0.080 χ^2/NDF : 976.7/9

Right Out: 7.061+/-0.059 χ^2/NDF : 12330.1/19

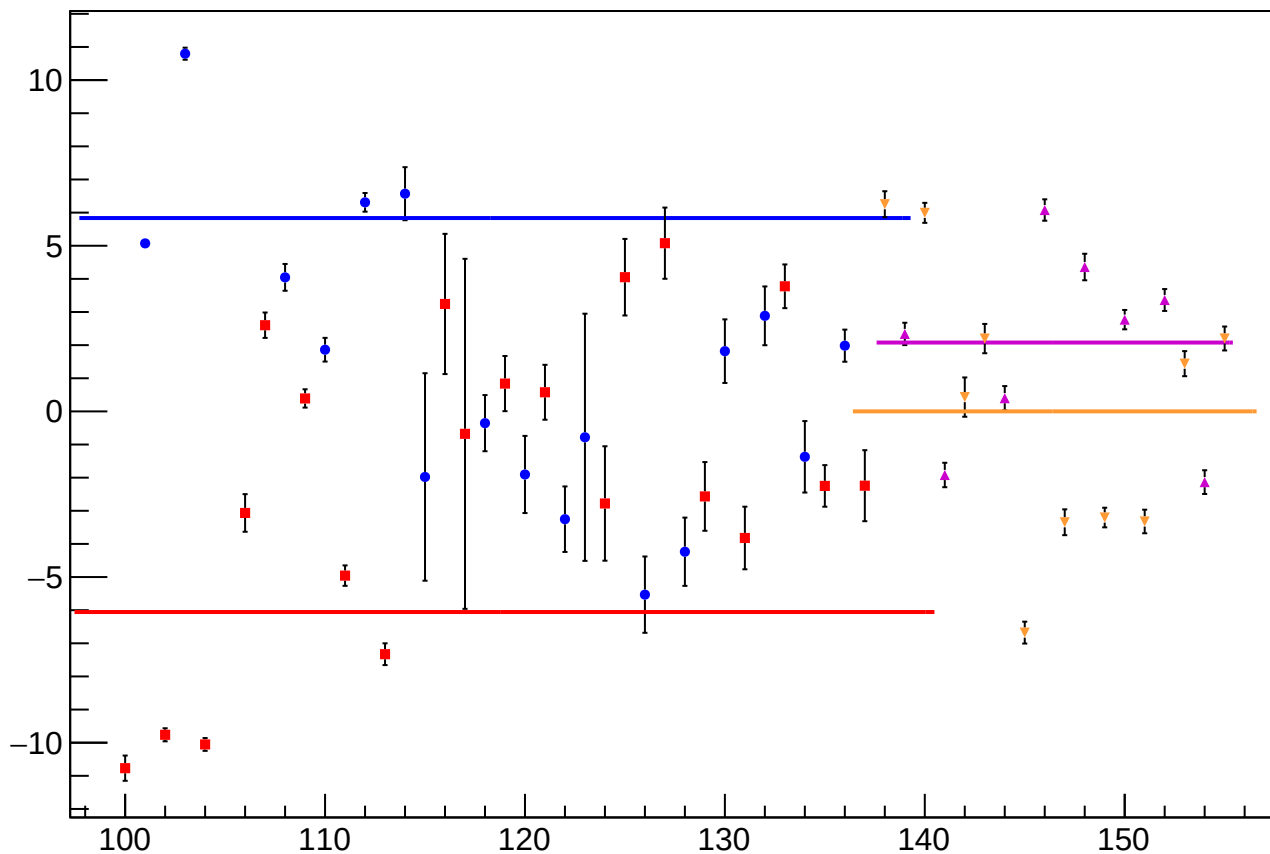
Left In: -0.413+/-0.087 χ^2/NDF : 1198.0/7

-3.418+/-0.045 χ^2/NDF : 14439.1/26

0.339+/-0.033 χ^2/NDF : 47892.3/54

4.710+/-0.049 χ^2/NDF : 18571.9/27

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: 0.001 ± 0.115 $\chi^2/\text{NDF}: 1411.9/9$

Right Out: -6.056 ± 0.093 $\chi^2/\text{NDF}: 2669.9/19$

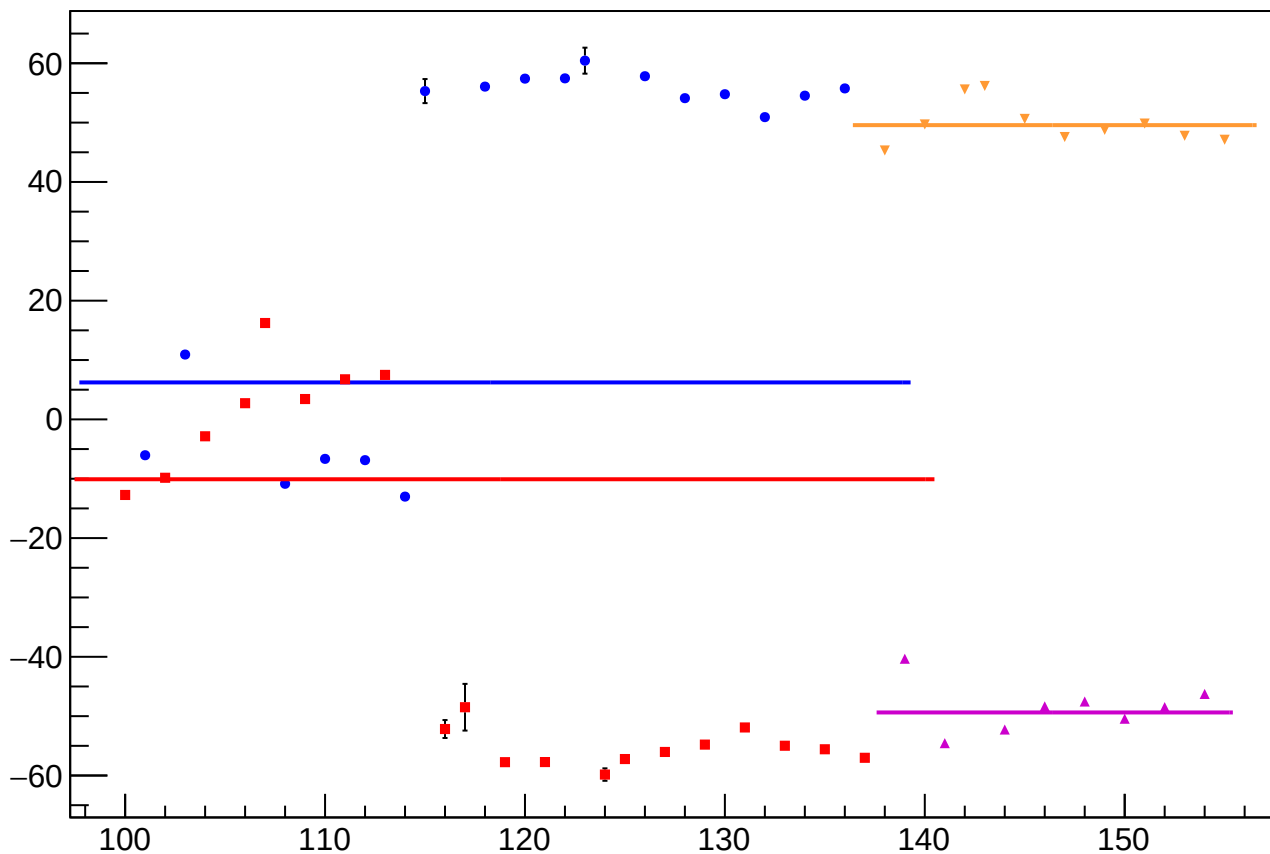
Left In: 2.078 ± 0.121 $\chi^2/\text{NDF}: 484.0/7$

3.639 ± 0.071 $\chi^2/\text{NDF}: 4447.4/26$

0.450 ± 0.051 $\chi^2/\text{NDF}: 14672.3/54$

-3.027 ± 0.074 $\chi^2/\text{NDF}: 5982.9/27$

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.226 ± 0.065 χ^2/NDF : 120955.1/16

Left Out: 49.574 ± 0.097 χ^2/NDF : 840.2/9

Right Out: -10.087 ± 0.070 χ^2/NDF : 122144.7/19

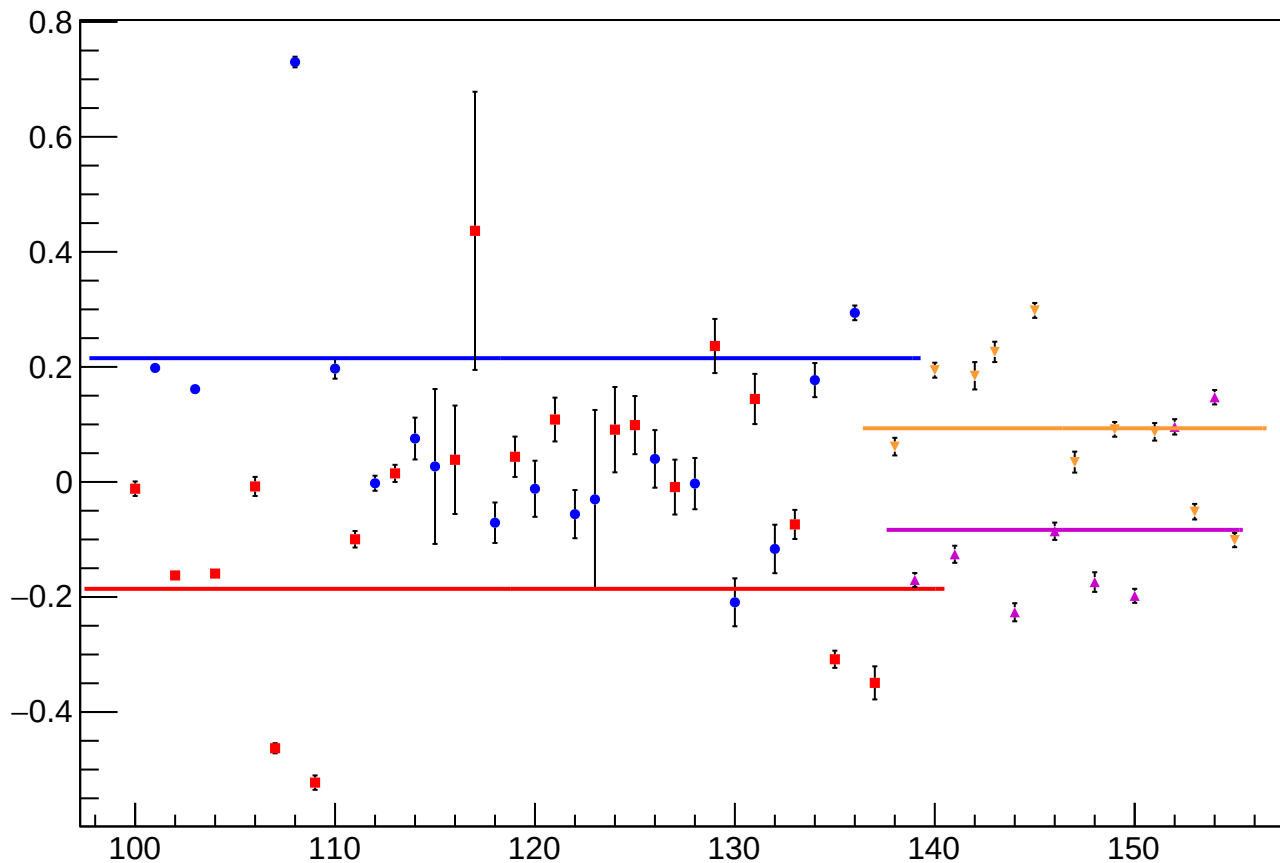
Left In: -49.376 ± 0.105 χ^2/NDF : 860.3/7

19.535 ± 0.054 χ^2/NDF : 259058.7/26

0.254 ± 0.040 χ^2/NDF : 754681.2/54

-22.094 ± 0.058 χ^2/NDF : 220038.4/27

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215 $\pm$ 0.003 χ^2 /NDF: 3925.9/16

Left Out: 0.093 $\pm$ 0.005 χ^2 /NDF: 755.4/9

Right Out: -0.186 $\pm$ 0.003 χ^2 /NDF: 2724.7/19

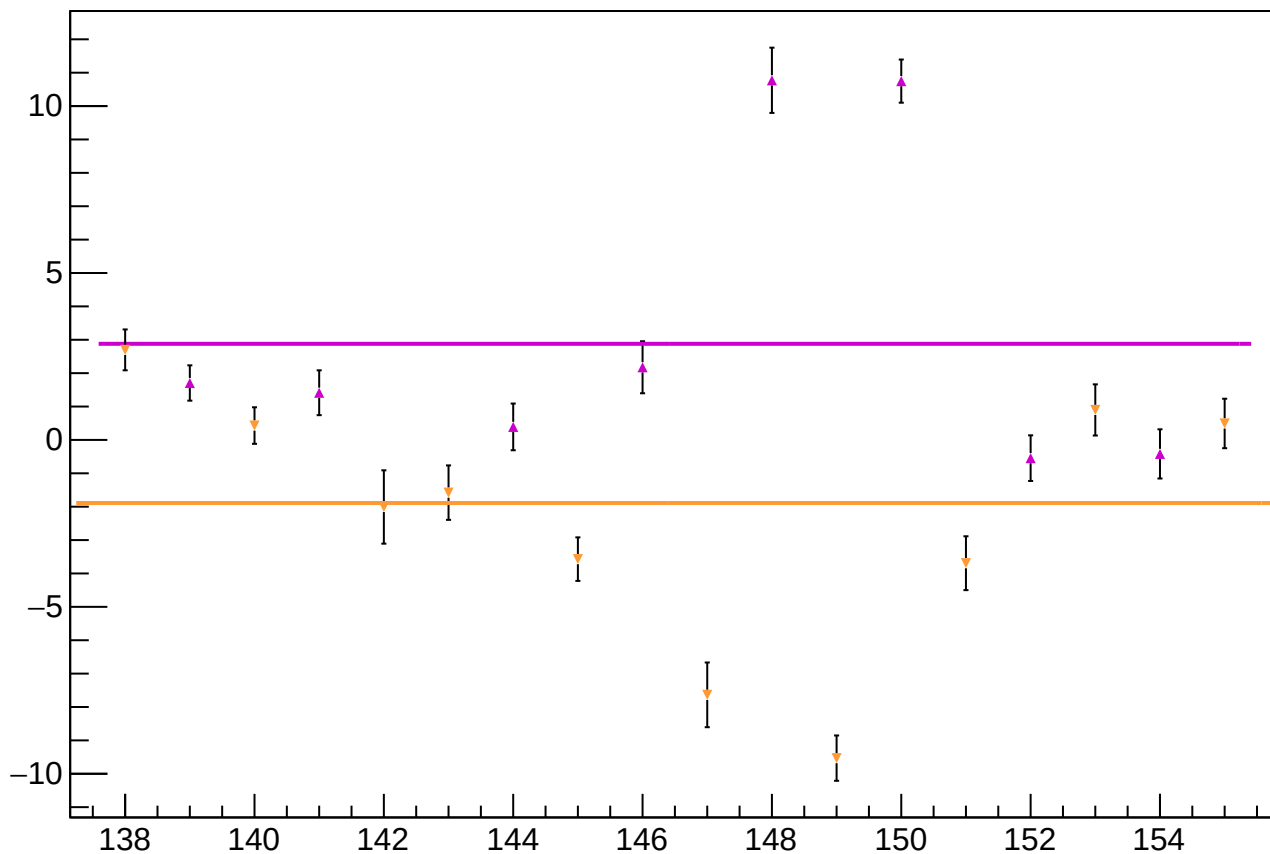
Left In: -0.083 $\pm$ 0.005 χ^2 /NDF: 775.6/7

0.183 $\pm$ 0.002 χ^2 /NDF: 5189.5/26

0.009 $\pm$ 0.002 χ^2 /NDF: 19666.0/54

-0.162 $\pm$ 0.002 χ^2 /NDF: 3838.5/27

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: -1.889+/-0.230 χ^2/NDF : 271.3/9

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

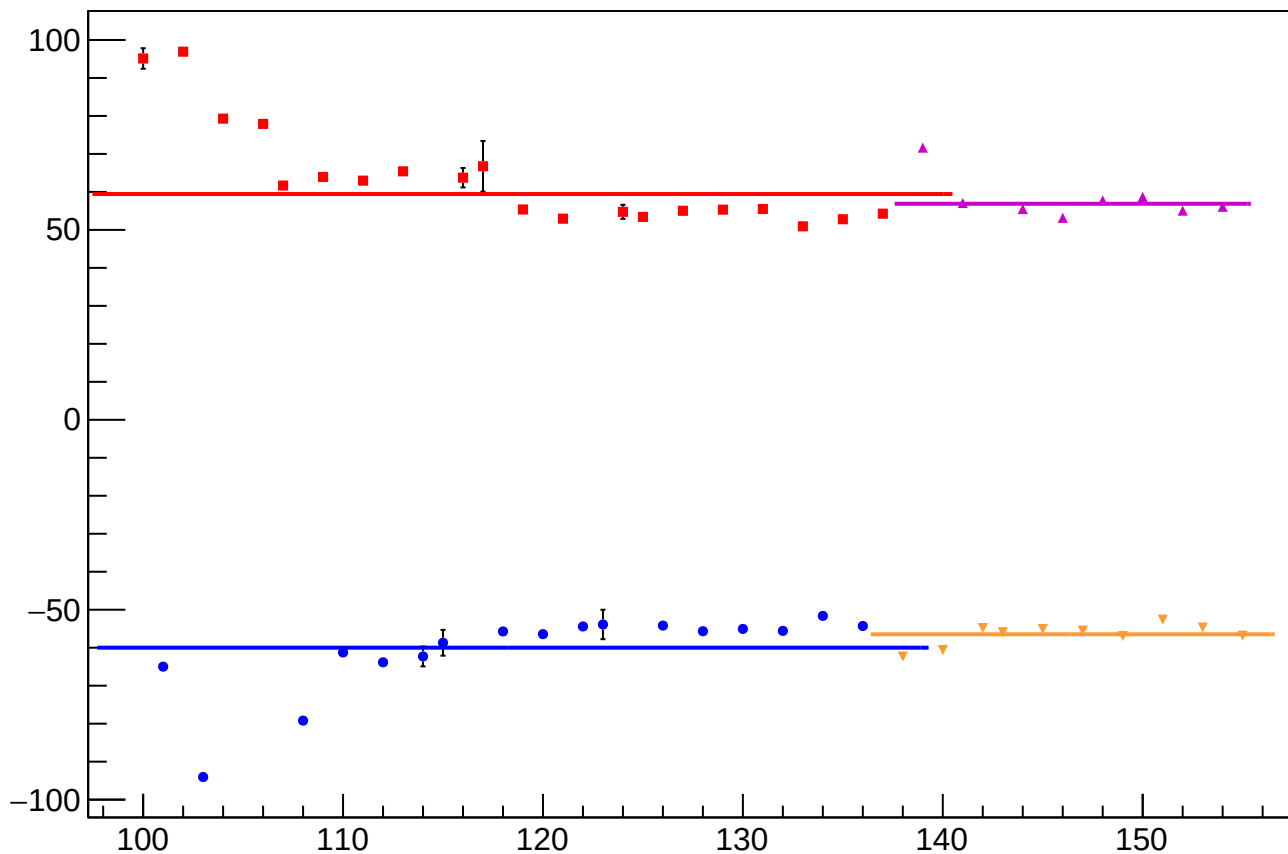
Left In: 2.879+/-0.243 χ^2/NDF : 281.7/7

-1.889+/-0.230 χ^2/NDF : 271.3/9

0.357+/-0.167 χ^2/NDF : 756.3/17

2.879+/-0.243 χ^2/NDF : 281.7/7

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -59.992 ± 0.225 $\chi^2/\text{NDF}: 1972.9/16$

Left Out: -56.466 ± 0.165 $\chi^2/\text{NDF}: 251.6/9$

Right Out: 59.442 ± 0.212 $\chi^2/\text{NDF}: 2919.1/19$

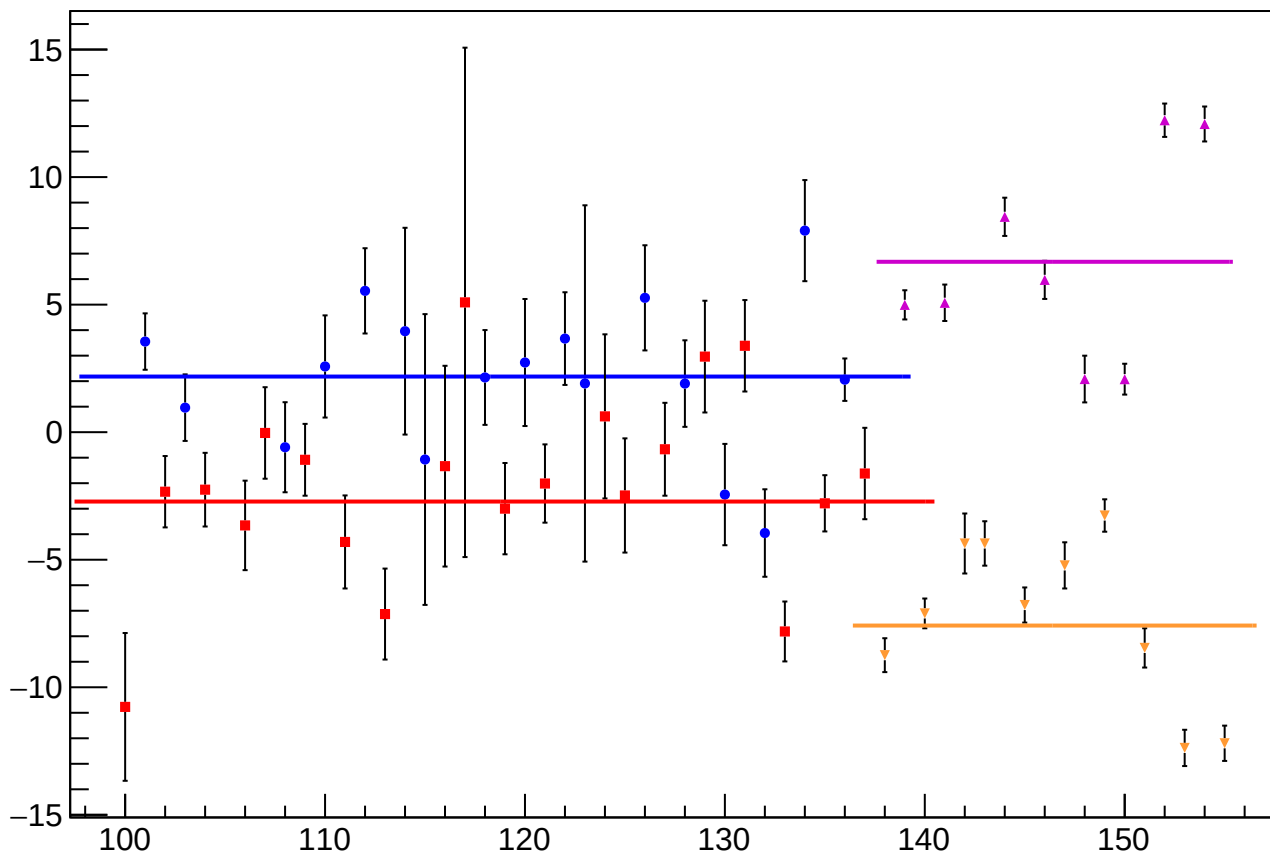
Left In: 56.882 ± 0.182 $\chi^2/\text{NDF}: 334.9/7$

-57.700 ± 0.133 $\chi^2/\text{NDF}: 2384.2/26$

-1.890 ± 0.096 $\chi^2/\text{NDF}: 370154.9/54$

57.966 ± 0.138 $\chi^2/\text{NDF}: 3338.2/27$

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.181 ± 0.406 χ^2/NDF : 39.0/16

Left Out: -7.581 ± 0.231 χ^2/NDF : 170.5/9

Right Out: -2.719 ± 0.388 χ^2/NDF : 59.5/19

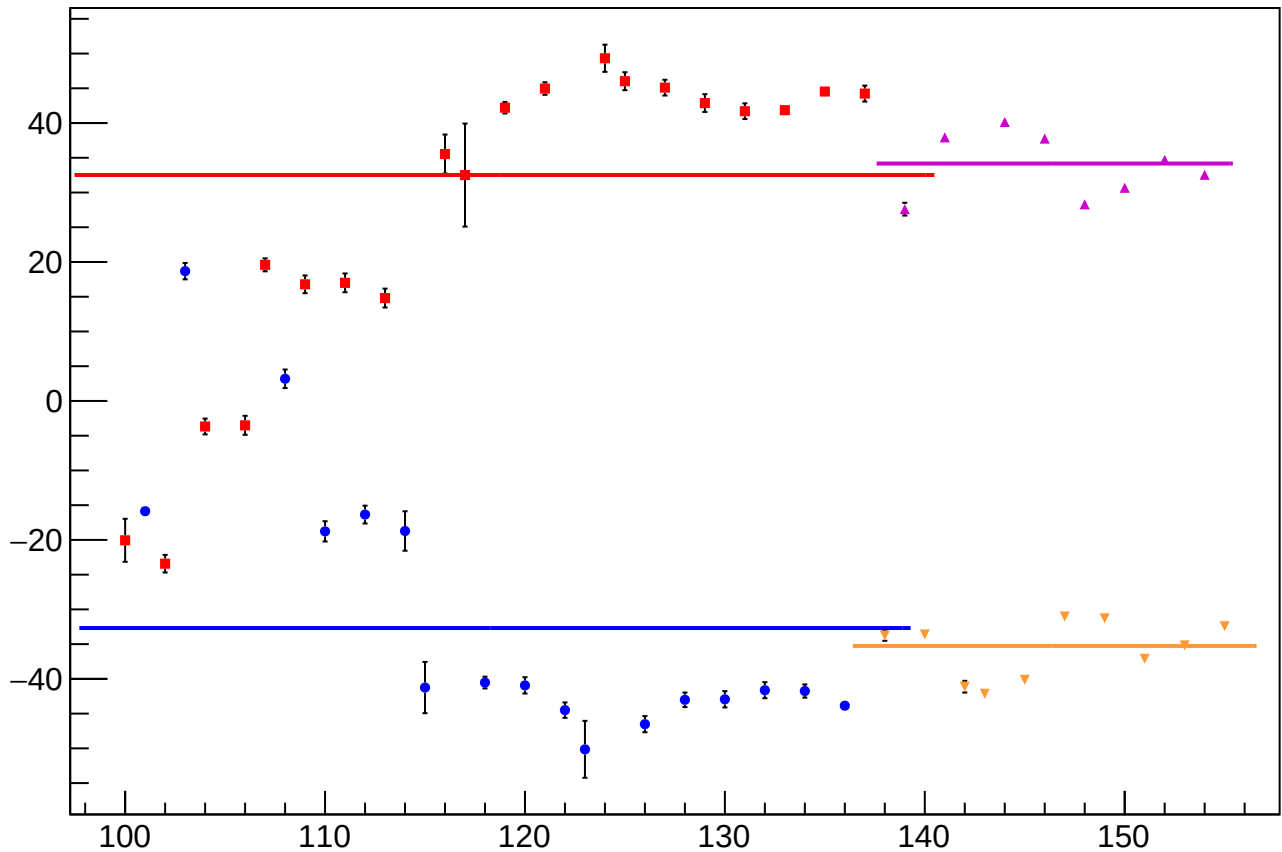
Left In: 6.680 ± 0.243 χ^2/NDF : 237.5/7

-5.197 ± 0.200 χ^2/NDF : 647.2/26

-0.701 ± 0.144 χ^2/NDF : 2399.5/54

4.034 ± 0.206 χ^2/NDF : 719.3/27

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: -35.263 ± 0.198 $\chi^2/\text{NDF}: 357.2/9$

Right Out: 32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/19$

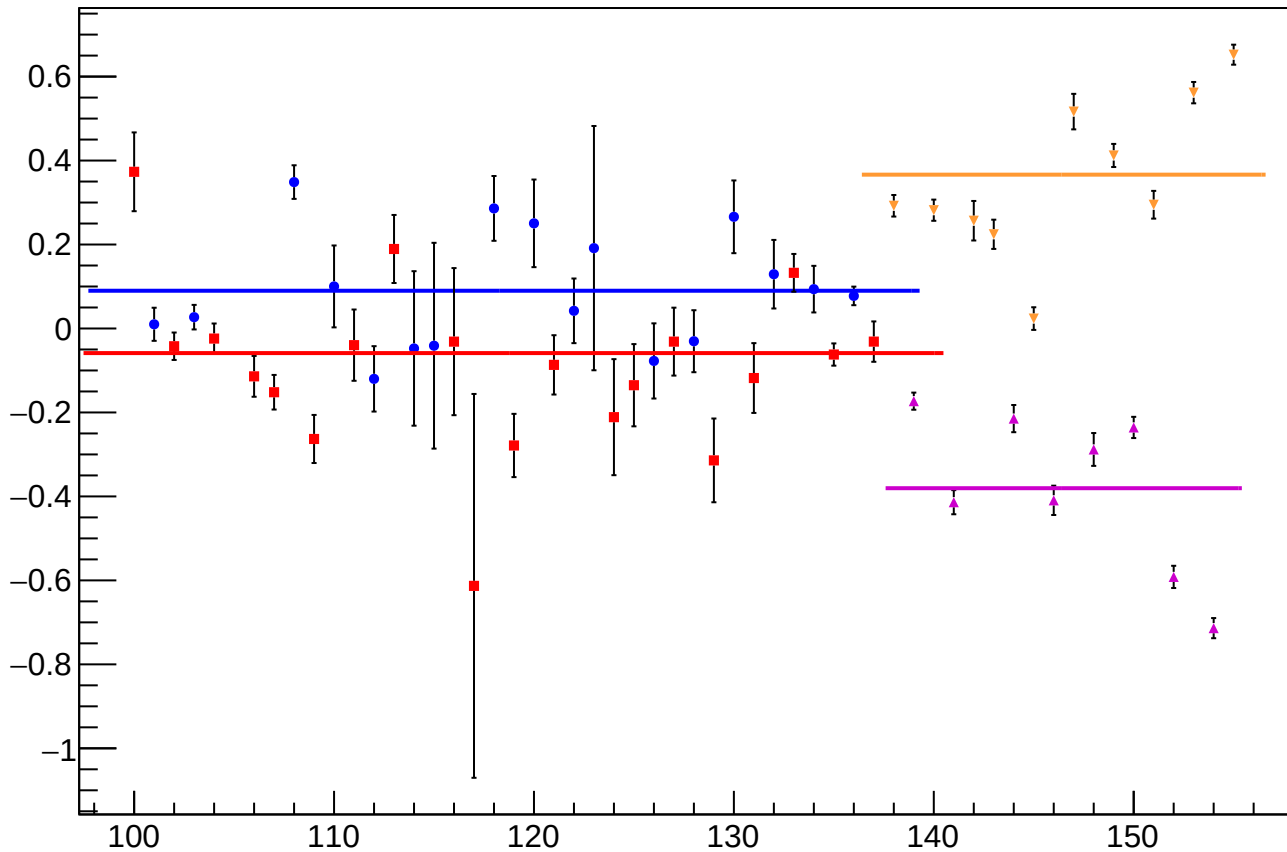
Left In: 34.171 ± 0.216 $\chi^2/\text{NDF}: 359.8/7$

-34.294 ± 0.157 $\chi^2/\text{NDF}: 5067.7/26$

-1.522 ± 0.113 $\chi^2/\text{NDF}: 101866.4/54$

33.445 ± 0.162 $\chi^2/\text{NDF}: 6430.6/27$

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: 0.366 ± 0.009 χ^2/NDF : 426.0/9

Right Out: -0.059 ± 0.012 χ^2/NDF : 88.6/19

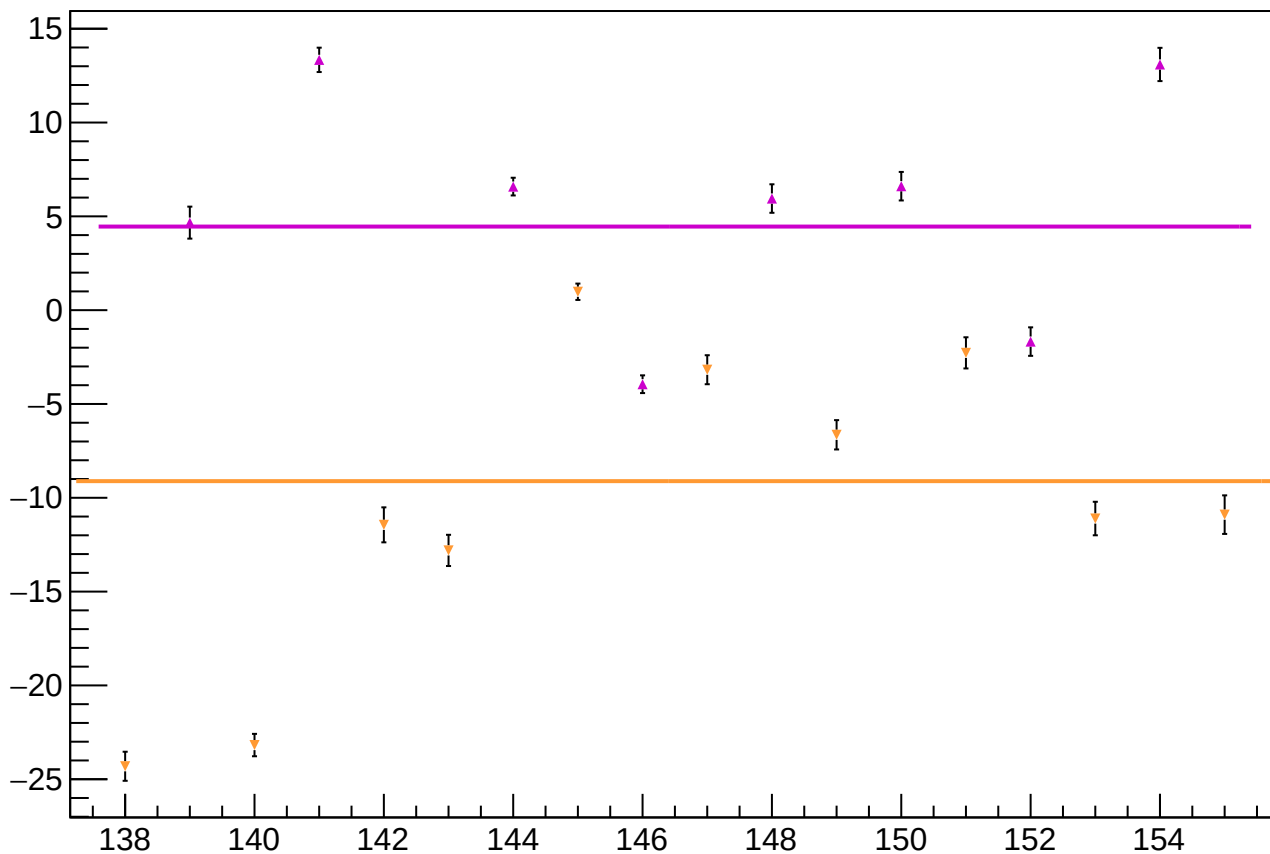
Left In: -0.380 ± 0.010 χ^2/NDF : 426.8/7

0.272 ± 0.007 χ^2/NDF : 814.4/26

0.011 ± 0.005 χ^2/NDF : 4237.6/54

-0.256 ± 0.008 χ^2/NDF : 945.5/27

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: -9.113+/-0.228 χ^2/NDF : 1647.1/9

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

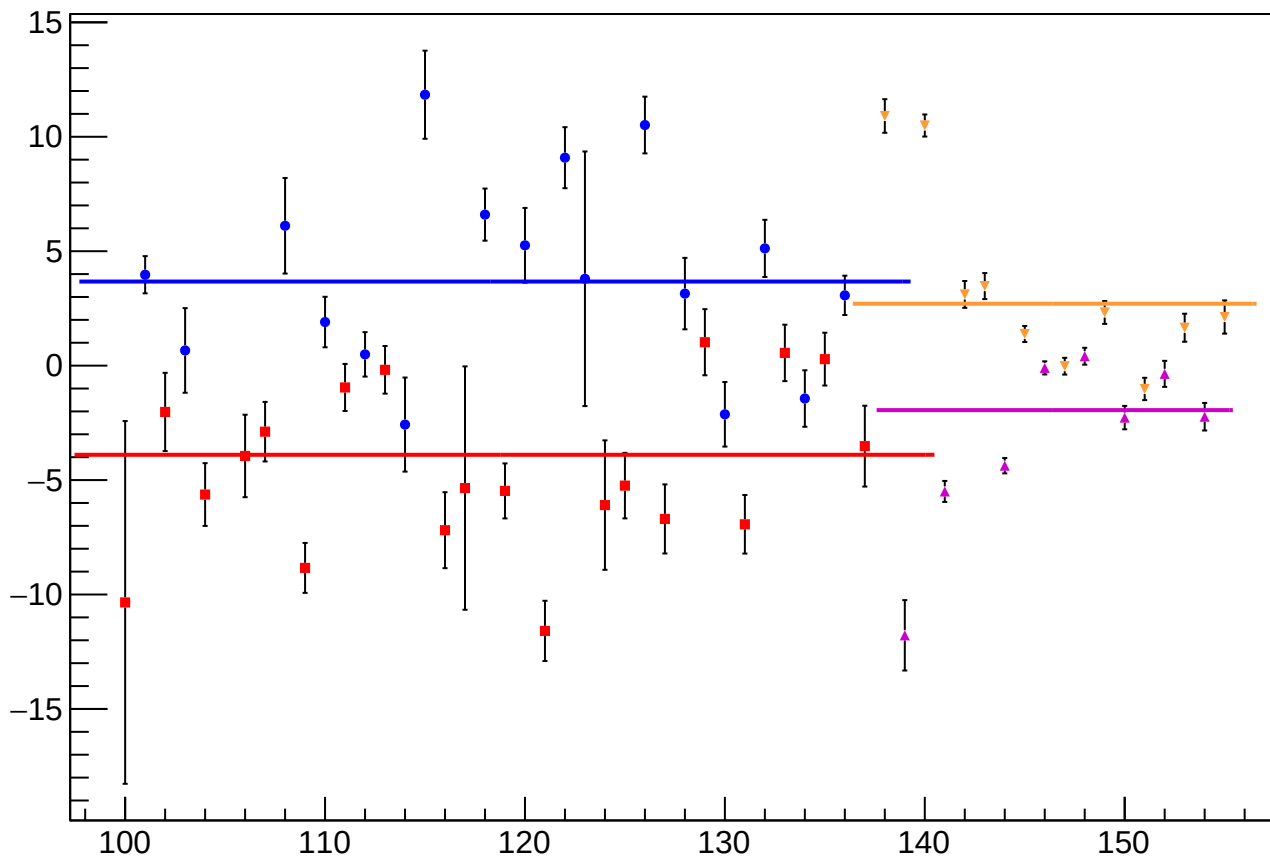
Left In: 4.456+/-0.228 χ^2/NDF : 695.9/7

-9.113+/-0.228 χ^2/NDF : 1647.1/9

-2.348+/-0.161 χ^2/NDF : 4114.0/17

4.456+/-0.228 χ^2/NDF : 695.9/7

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.675 ± 0.310 $\chi^2/\text{NDF}: 135.2/16$

Left Out: 2.705 ± 0.157 $\chi^2/\text{NDF}: 519.8/9$

Right Out: -3.895 ± 0.316 $\chi^2/\text{NDF}: 133.8/19$

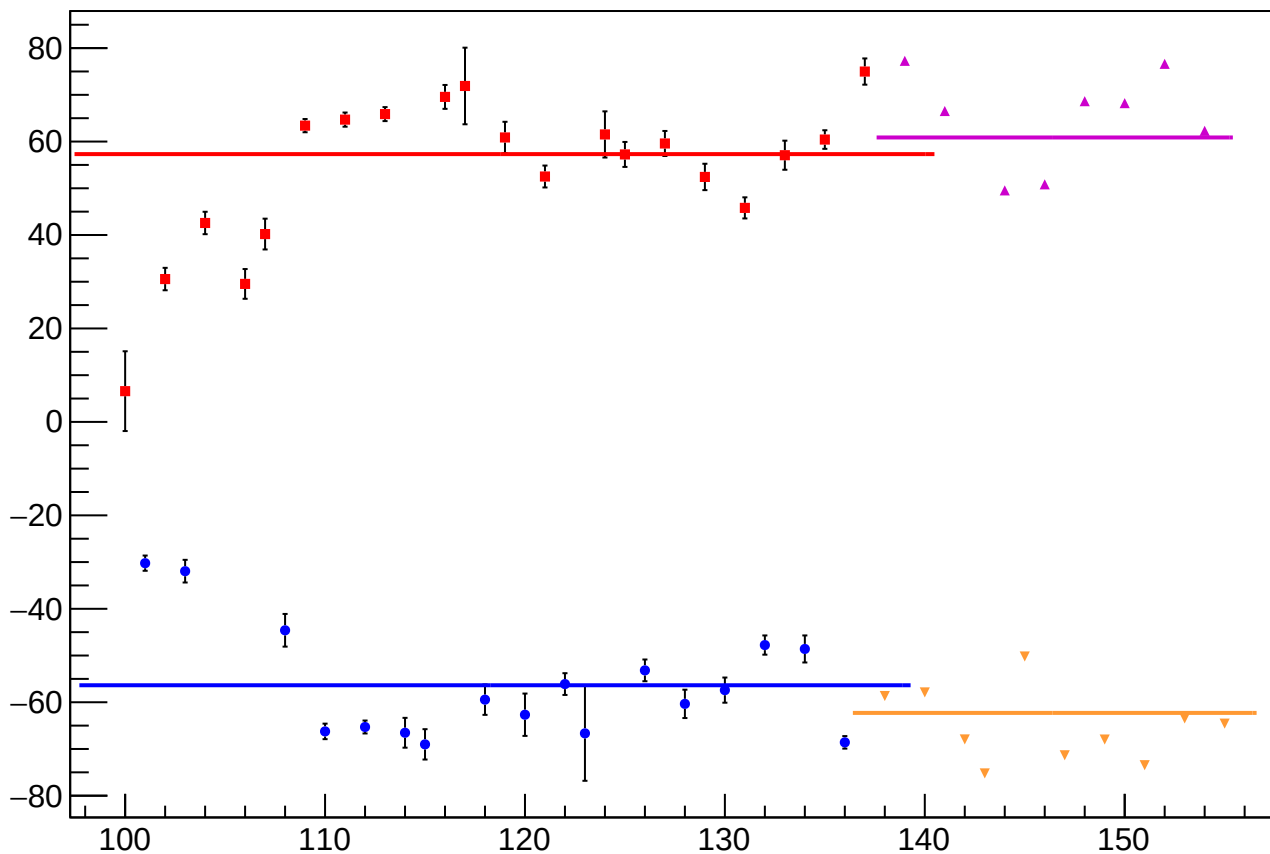
Left In: -1.943 ± 0.152 $\chi^2/\text{NDF}: 243.5/7$

2.903 ± 0.140 $\chi^2/\text{NDF}: 662.7/26$

0.238 ± 0.098 $\chi^2/\text{NDF}: 1778.5/54$

-2.311 ± 0.137 $\chi^2/\text{NDF}: 408.3/27$

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: -62.280 ± 0.231 χ^2/NDF : 1413.3/9

Right Out: 57.314 ± 0.535 χ^2/NDF : 479.2/19

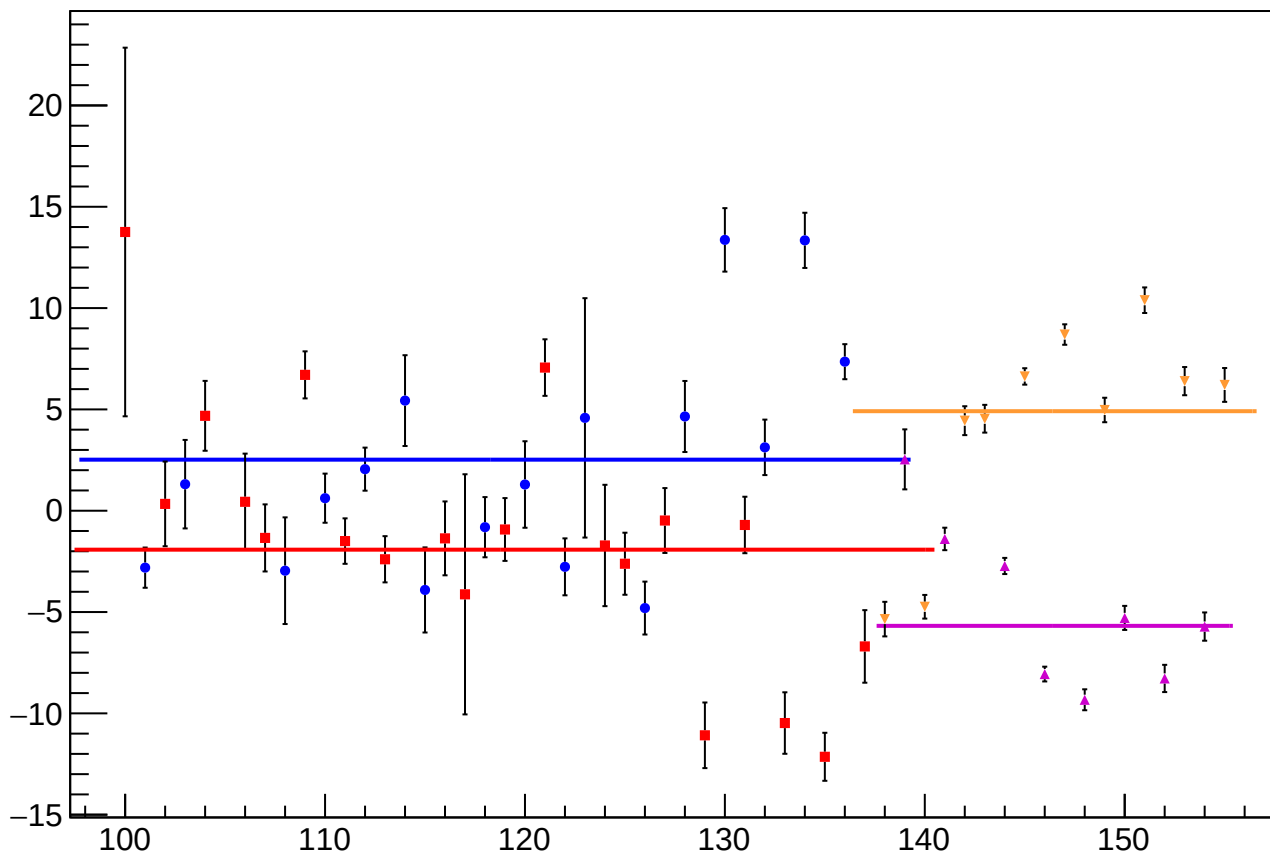
Left In: 60.875 ± 0.227 χ^2/NDF : 2072.0/7

-61.374 ± 0.213 χ^2/NDF : 2101.0/26

0.465 ± 0.149 χ^2/NDF : 171172.6/54

60.330 ± 0.209 χ^2/NDF : 2588.7/27

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.520 ± 0.347 χ^2/NDF : 242.3/16

Left Out: 4.912 ± 0.192 χ^2/NDF : 574.7/9

Right Out: -1.922 ± 0.354 χ^2/NDF : 264.7/19

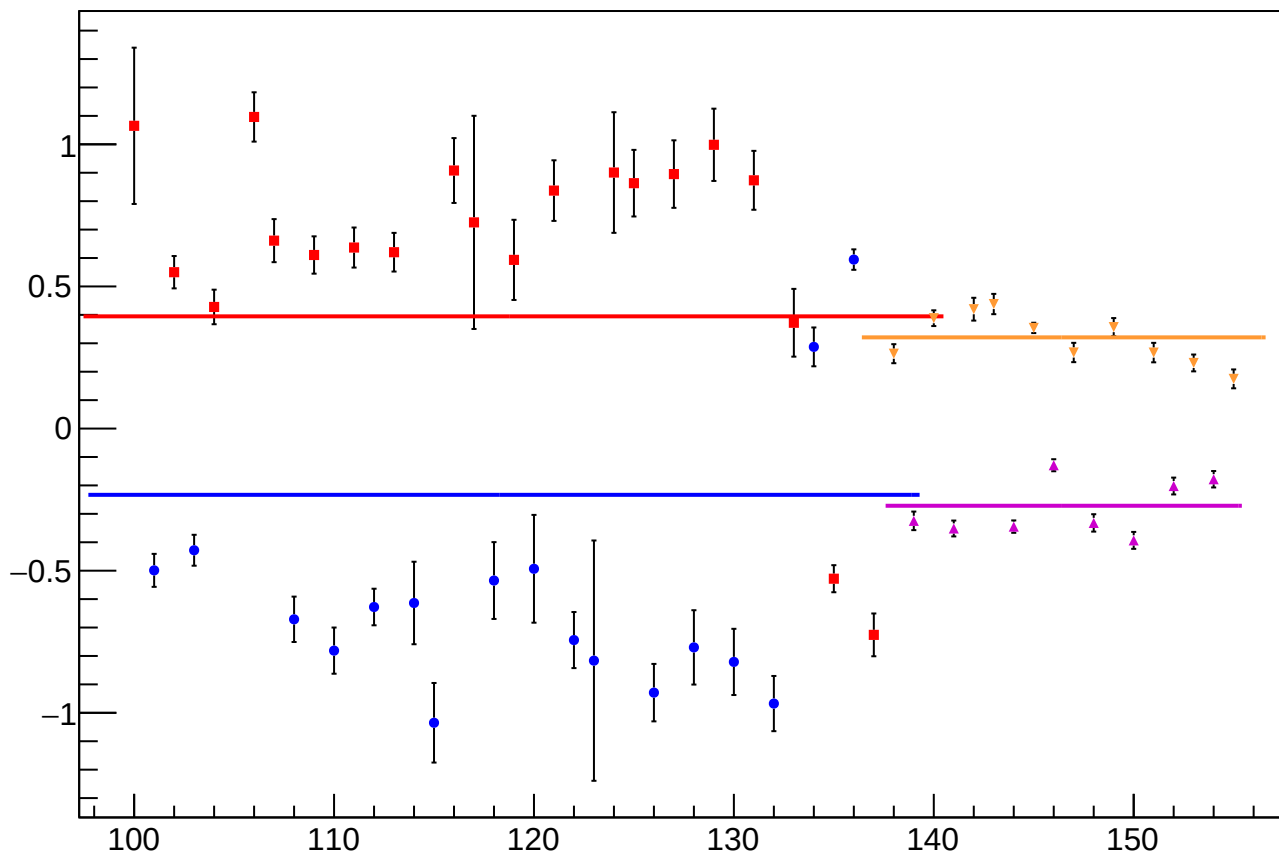
Left In: -5.681 ± 0.188 χ^2/NDF : 253.3/7

4.352 ± 0.168 χ^2/NDF : 853.4/26

-0.309 ± 0.118 χ^2/NDF : 2981.4/54

-4.857 ± 0.166 χ^2/NDF : 605.9/27

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: 0.321 ± 0.009 χ^2/NDF : 63.9/9

Right Out: 0.395 ± 0.019 χ^2/NDF : 845.9/19

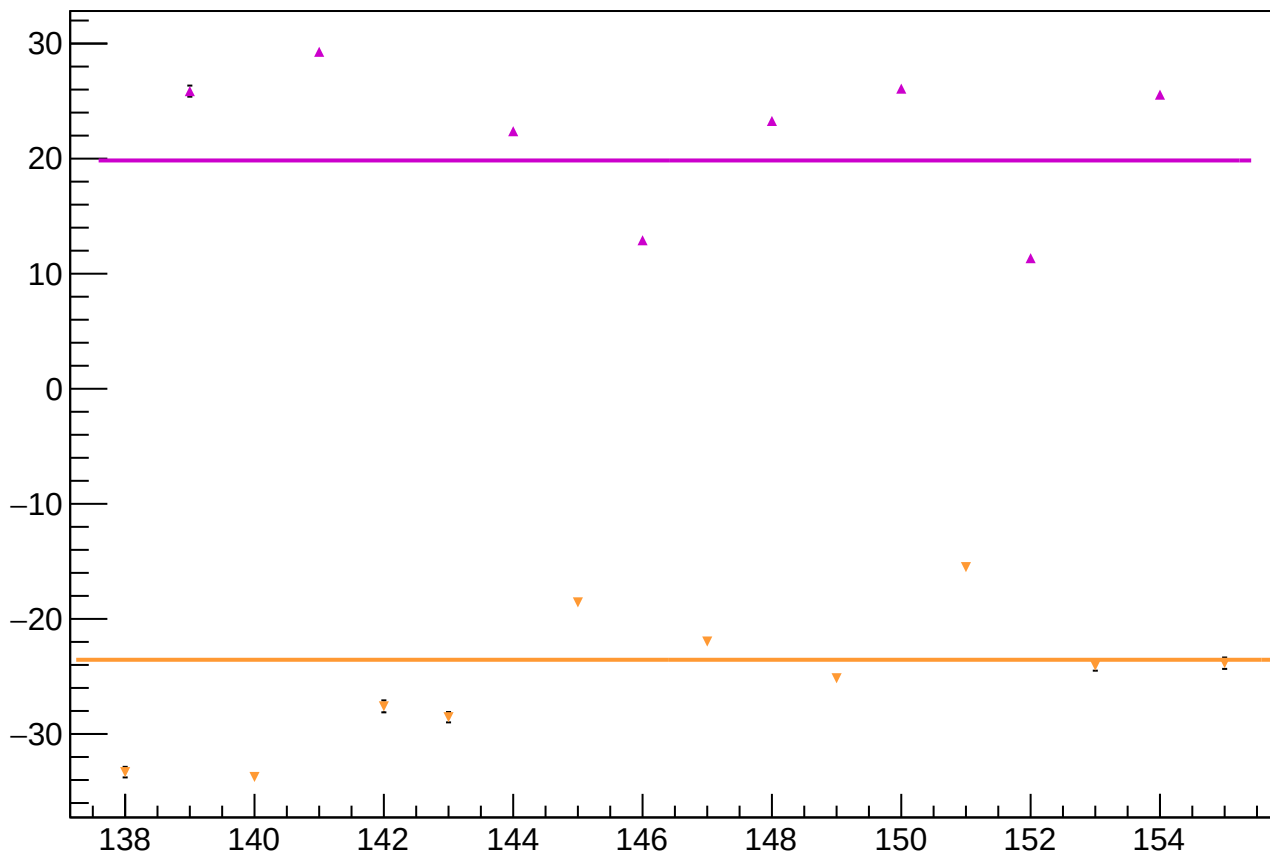
Left In: -0.272 ± 0.009 χ^2/NDF : 104.1/7

0.211 ± 0.008 χ^2/NDF : 1709.9/26

0.039 ± 0.006 χ^2/NDF : 4503.4/54

-0.138 ± 0.008 χ^2/NDF : 1937.2/27

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: -23.552+/-0.112 χ^2/NDF : 2682.8/9

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

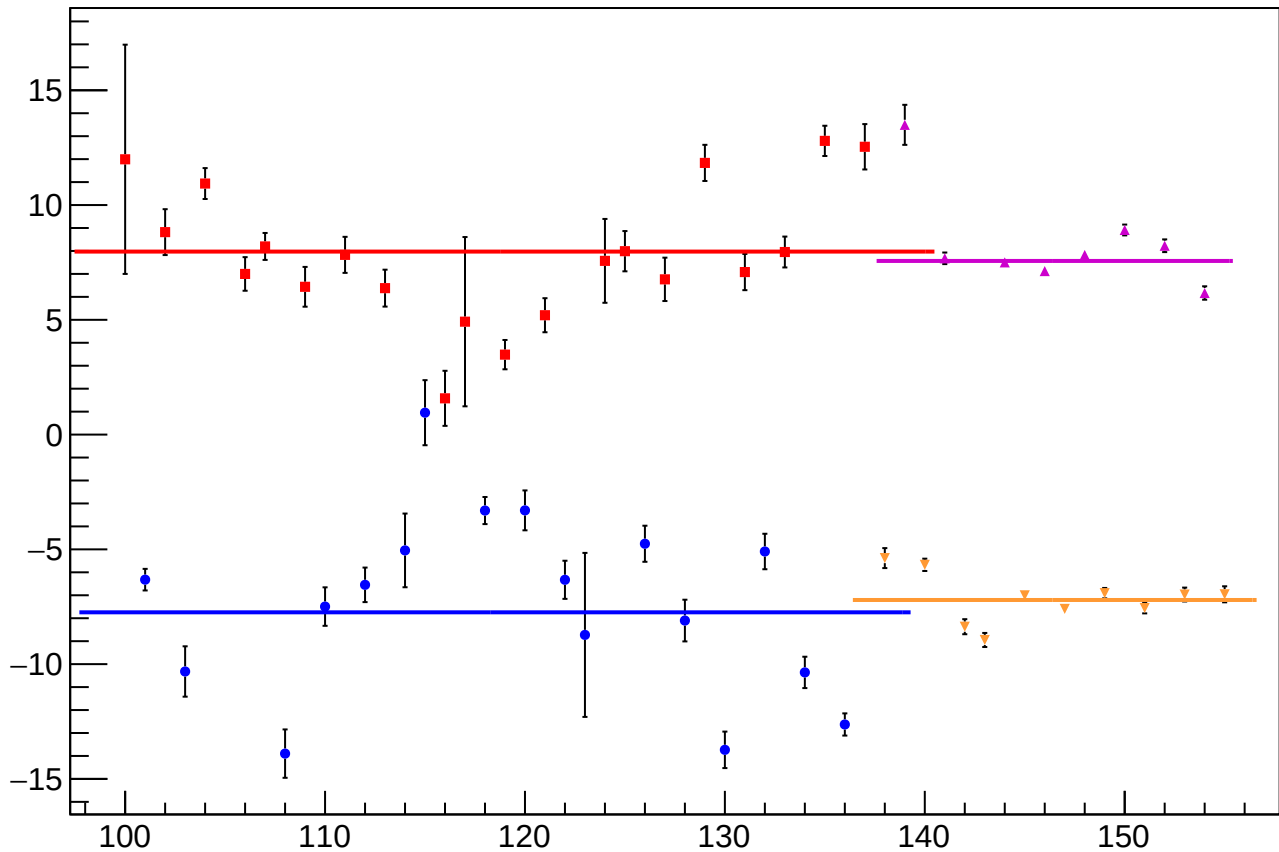
Left In: 19.840+/-0.106 χ^2/NDF : 3468.2/7

-23.552+/-0.112 χ^2/NDF : 2682.8/9

-0.682+/-0.077 χ^2/NDF : 85637.4/17

19.840+/-0.106 χ^2/NDF : 3468.2/7

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: -7.205 ± 0.077 χ^2/NDF : 107.1/9

Right Out: 7.973 ± 0.186 χ^2/NDF : 224.2/19

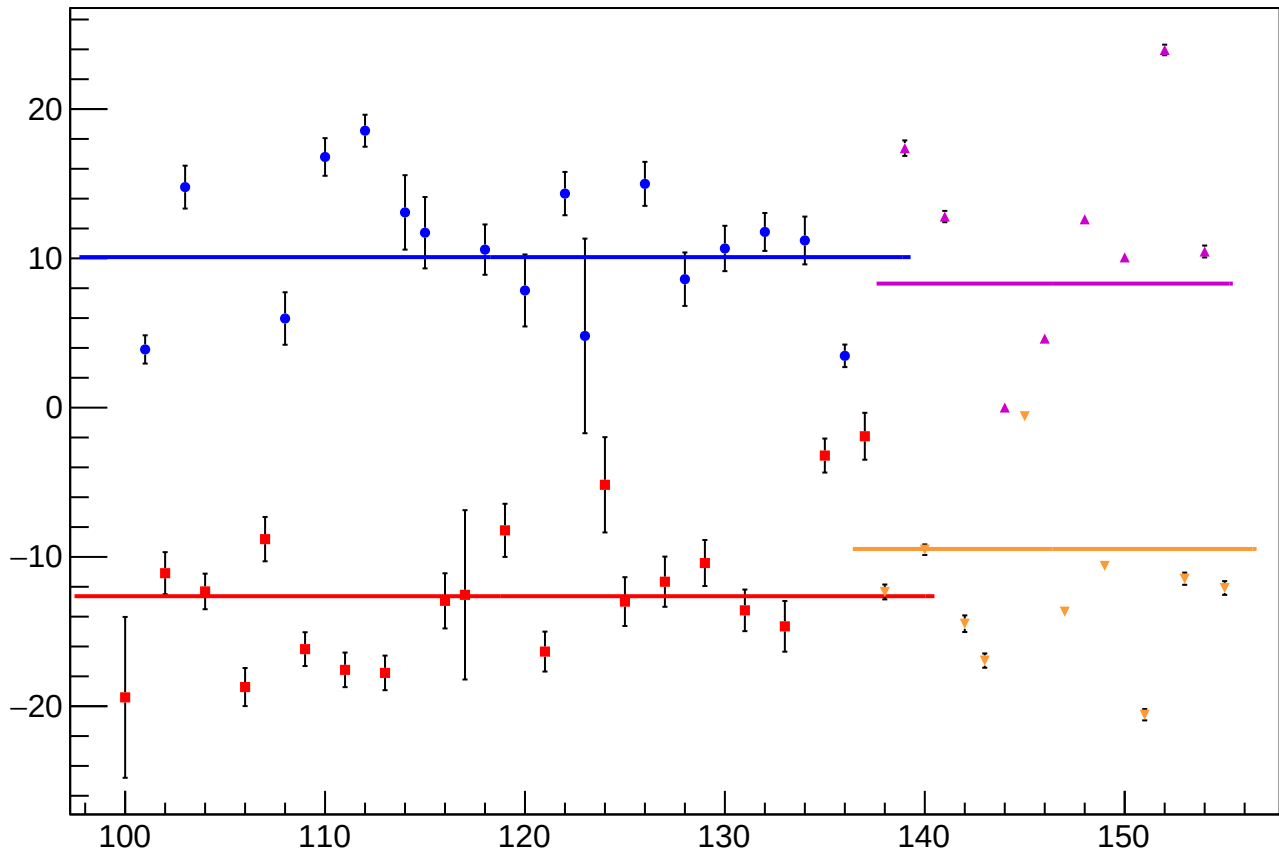
Left In: 7.565 ± 0.070 χ^2/NDF : 124.6/7

-7.282 ± 0.071 χ^2/NDF : 491.7/26

0.773 ± 0.048 χ^2/NDF : 24704.0/54

7.615 ± 0.065 χ^2/NDF : 353.0/27

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: -9.466 ± 0.113 χ^2/NDF : 3296.1/9

Right Out: -12.631 ± 0.332 χ^2/NDF : 218.6/19

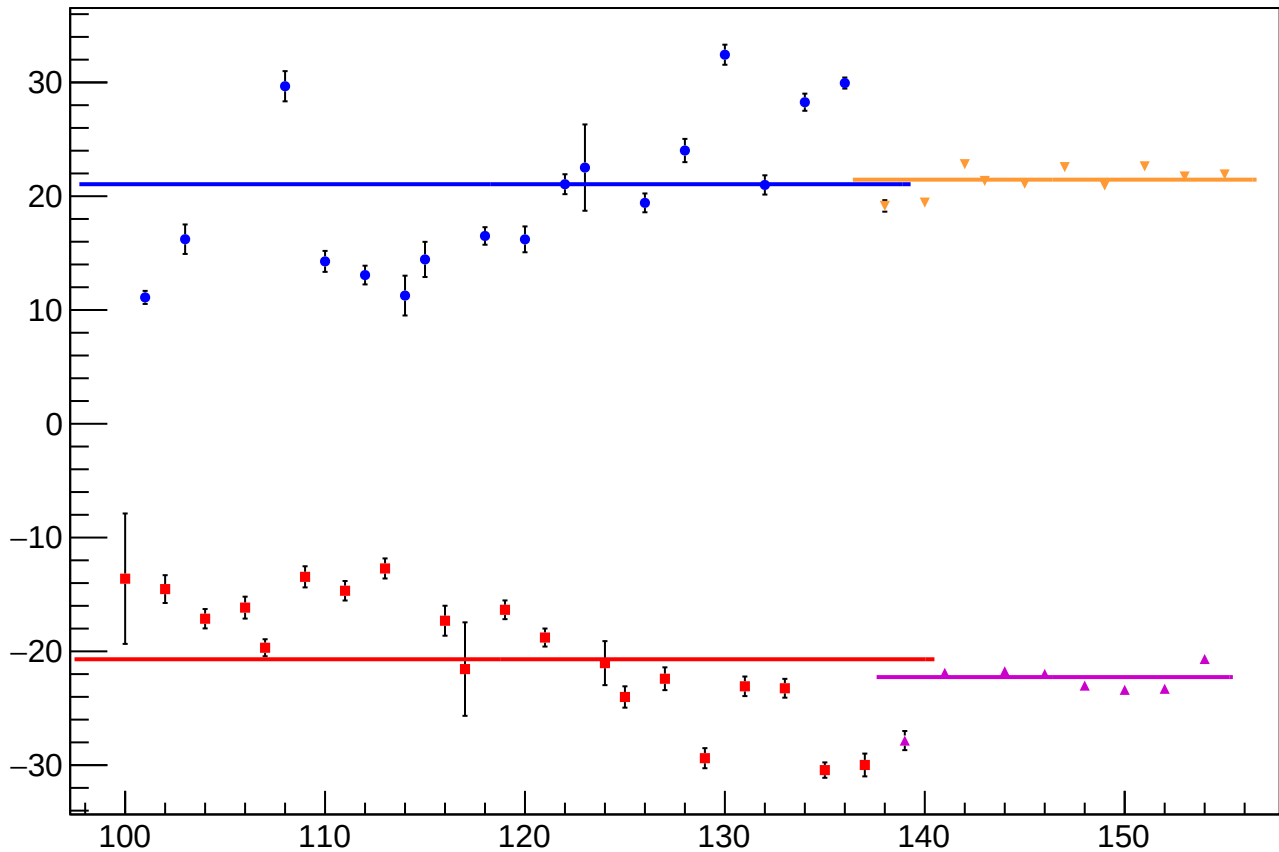
Left In: 8.309 ± 0.105 χ^2/NDF : 4236.9/7

-7.510 ± 0.107 χ^2/NDF : 6560.7/26

-0.074 ± 0.073 χ^2/NDF : 23695.5/54

6.416 ± 0.100 χ^2/NDF : 8072.2/27

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: 21.455 ± 0.094 $\chi^2/\text{NDF}: 117.8/9$

Right Out: -20.696 ± 0.212 $\chi^2/\text{NDF}: 724.1/19$

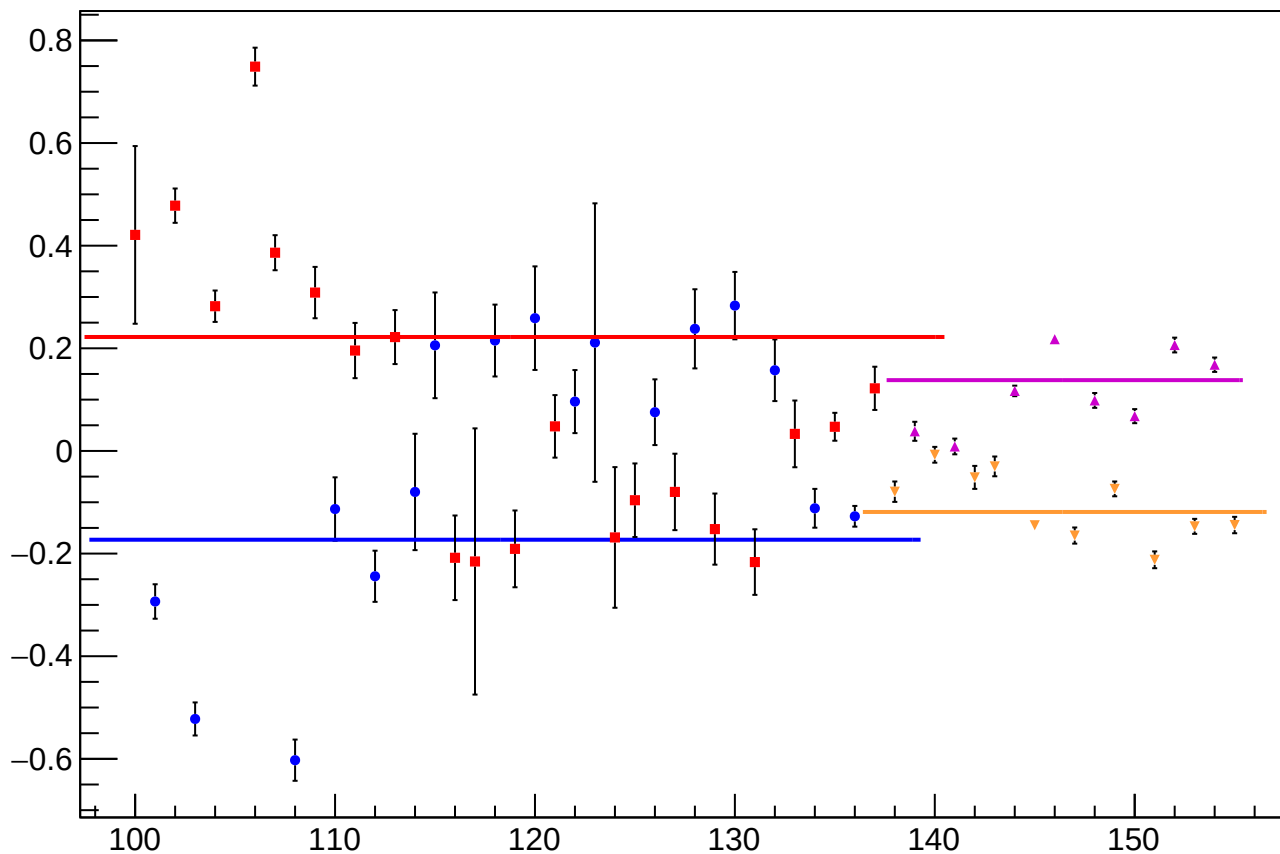
Left In: -22.262 ± 0.086 $\chi^2/\text{NDF}: 114.6/7$

21.389 ± 0.086 $\chi^2/\text{NDF}: 1332.5/26$

-1.830 ± 0.058 $\chi^2/\text{NDF}: 139769.4/54$

-22.041 ± 0.080 $\chi^2/\text{NDF}: 885.3/27$

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: -0.119 ± 0.005 χ^2/NDF : 153.8/9

Right Out: 0.222 ± 0.011 χ^2/NDF : 538.0/19

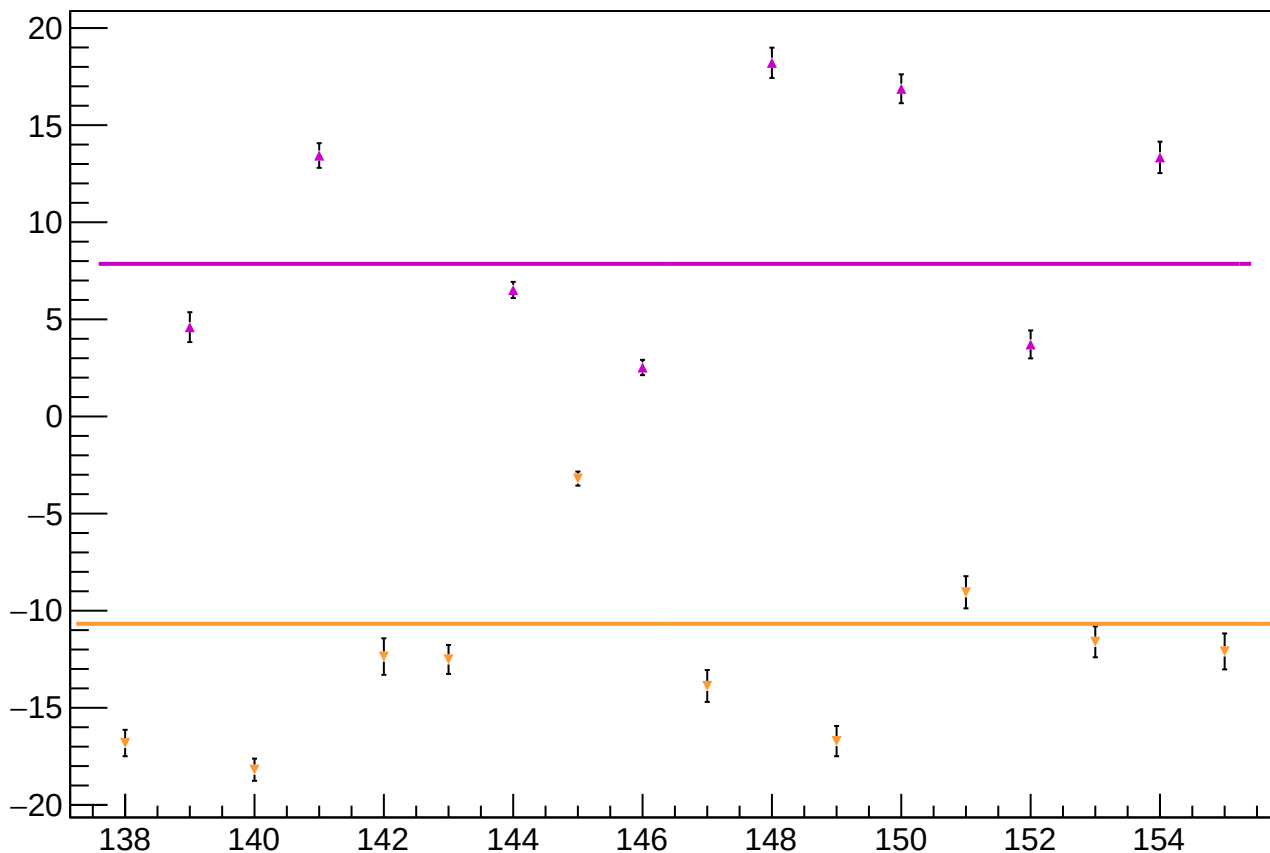
Left In: 0.138 ± 0.004 χ^2/NDF : 254.0/7

-0.127 ± 0.004 χ^2/NDF : 635.6/26

0.015 ± 0.003 χ^2/NDF : 3670.2/54

0.150 ± 0.004 χ^2/NDF : 842.6/27

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: -10.676+/-0.208 χ^2/NDF : 770.9/9

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

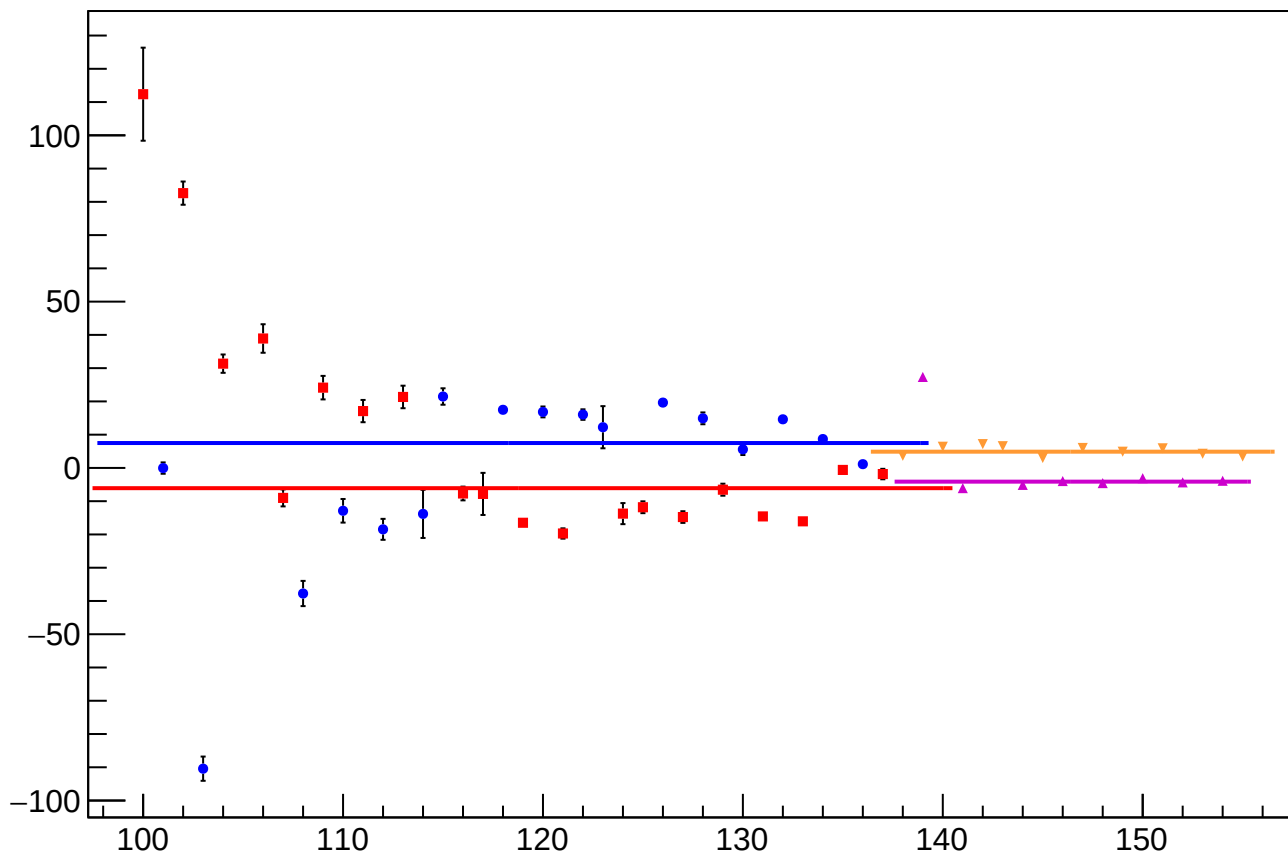
Left In: 7.859+/-0.207 χ^2/NDF : 691.4/7

-10.676+/-0.208 χ^2/NDF : 770.9/9

-1.365+/-0.147 χ^2/NDF : 5445.1/17

7.859+/-0.207 χ^2/NDF : 691.4/7

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.488 ± 0.407 $\chi^2/\text{NDF}: 1340.5/16$

Left Out: 4.886 ± 0.147 $\chi^2/\text{NDF}: 101.2/9$

Right Out: -6.086 ± 0.433 $\chi^2/\text{NDF}: 1512.2/19$

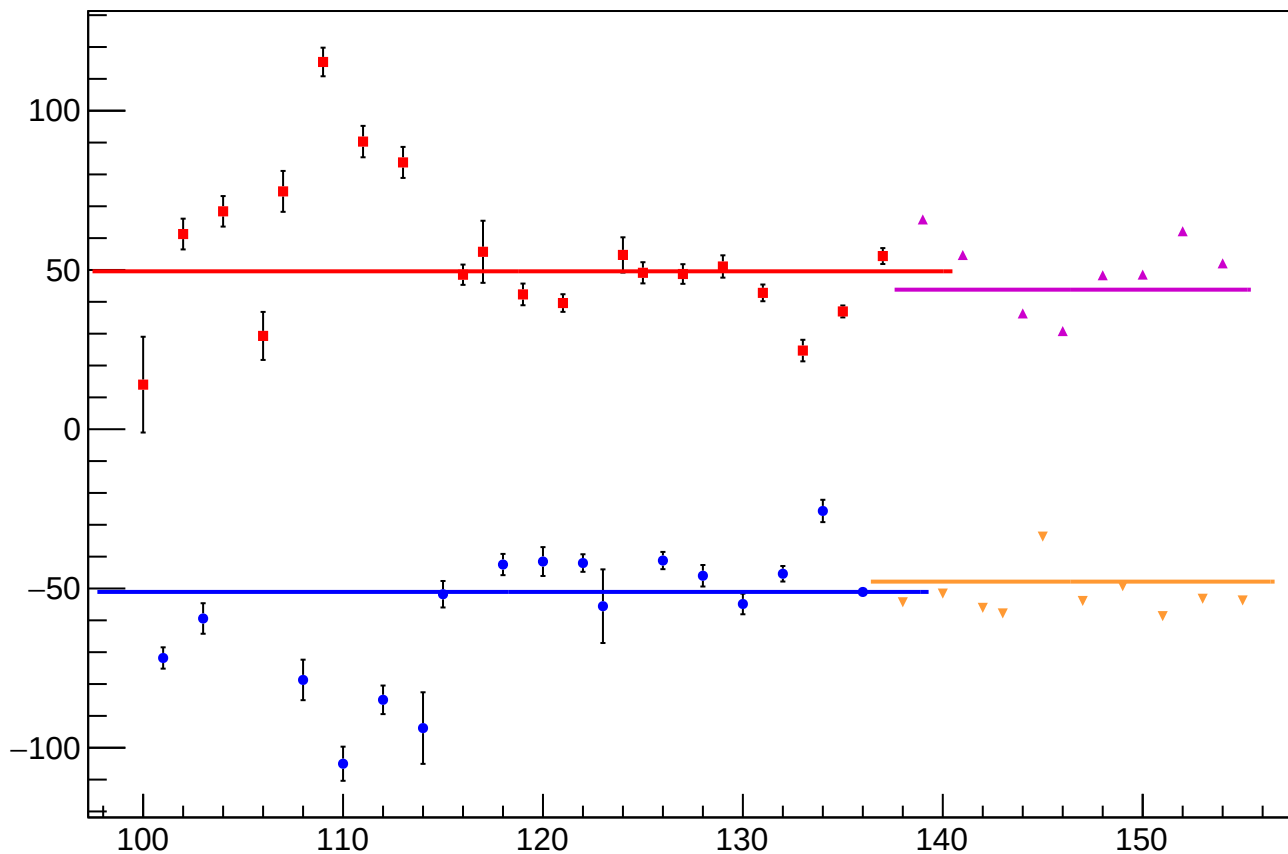
Left In: -4.124 ± 0.141 $\chi^2/\text{NDF}: 555.3/7$

5.187 ± 0.138 $\chi^2/\text{NDF}: 1477.9/26$

0.292 ± 0.096 $\chi^2/\text{NDF}: 5997.8/54$

-4.312 ± 0.134 $\chi^2/\text{NDF}: 2086.0/27$

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: -47.845 ± 0.213 χ^2/NDF : 2022.7/9

Right Out: 49.579 ± 0.796 χ^2/NDF : 510.0/19

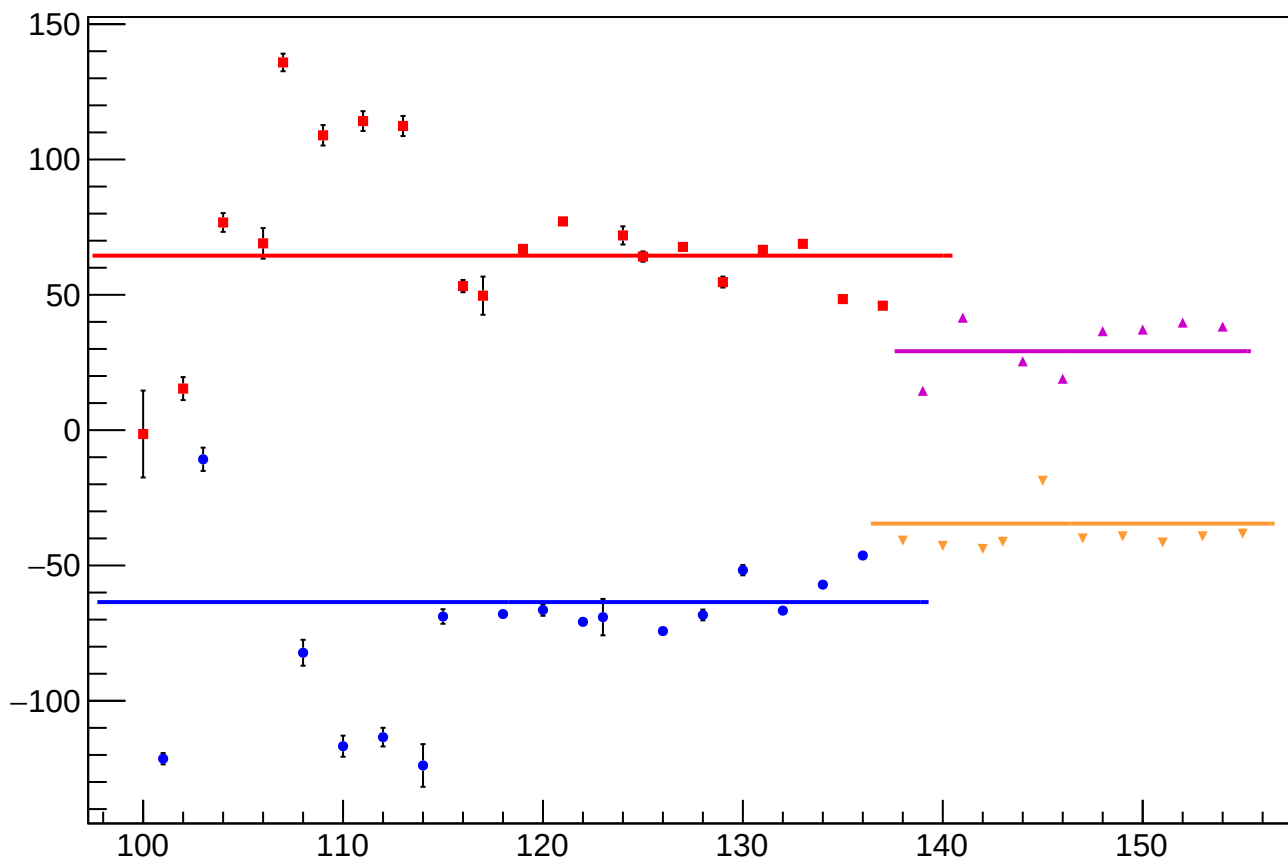
Left In: 43.817 ± 0.207 χ^2/NDF : 3330.3/7

-48.091 ± 0.204 χ^2/NDF : 2370.5/26

-0.945 ± 0.143 χ^2/NDF : 110348.7/54

44.181 ± 0.200 χ^2/NDF : 3889.4/27

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: -34.521 ± 0.178 χ^2/NDF : 3192.7/9

Right Out: 64.470 ± 0.482 χ^2/NDF : 1607.5/19

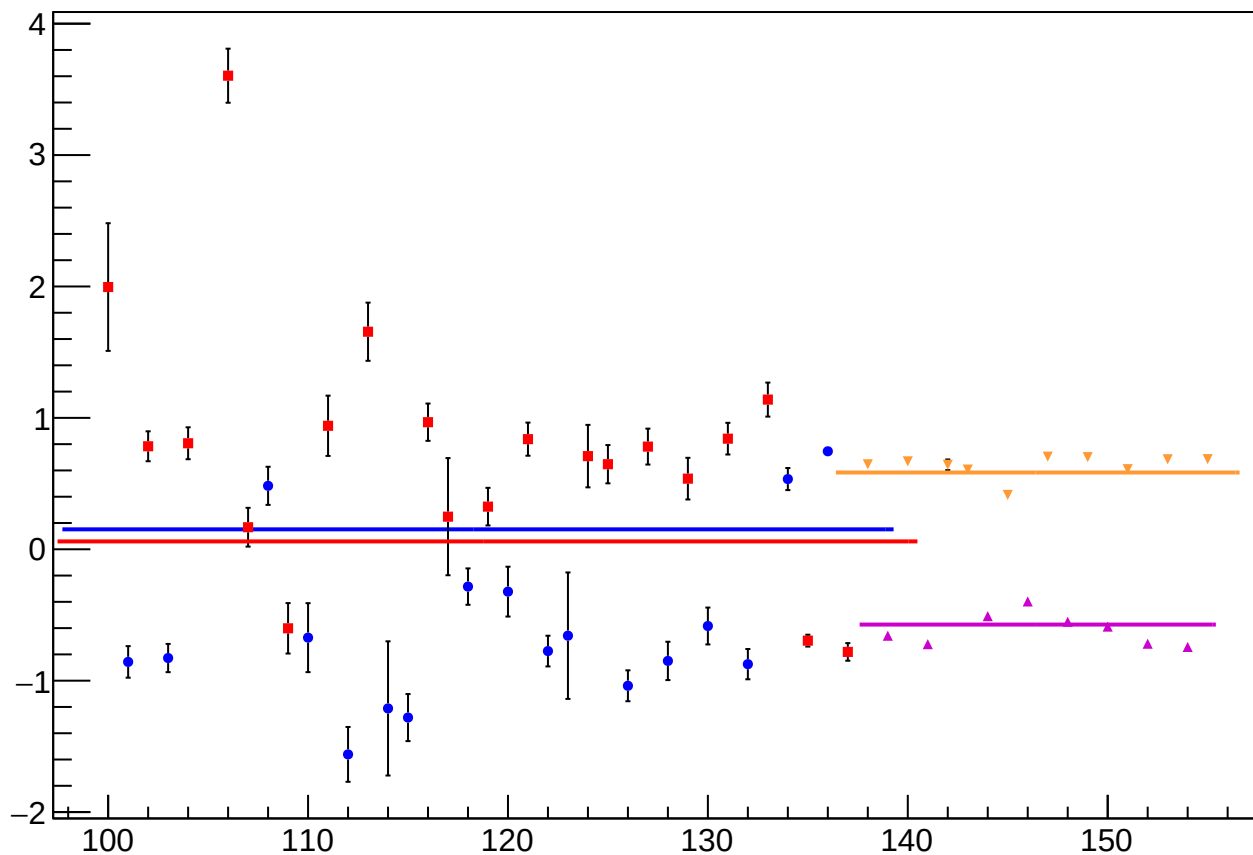
Left In: 29.165 ± 0.173 χ^2/NDF : 2664.3/7

-38.461 ± 0.165 χ^2/NDF : 8814.8/26

-2.010 ± 0.116 χ^2/NDF : 113347.0/54

33.179 ± 0.162 χ^2/NDF : 9030.3/27

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.152 ± 0.024 $\chi^2/\text{NDF}: 987.4/16$

Left Out: 0.584 ± 0.009 $\chi^2/\text{NDF}: 194.8/9$

Right Out: 0.060 ± 0.026 $\chi^2/\text{NDF}: 1162.1/19$

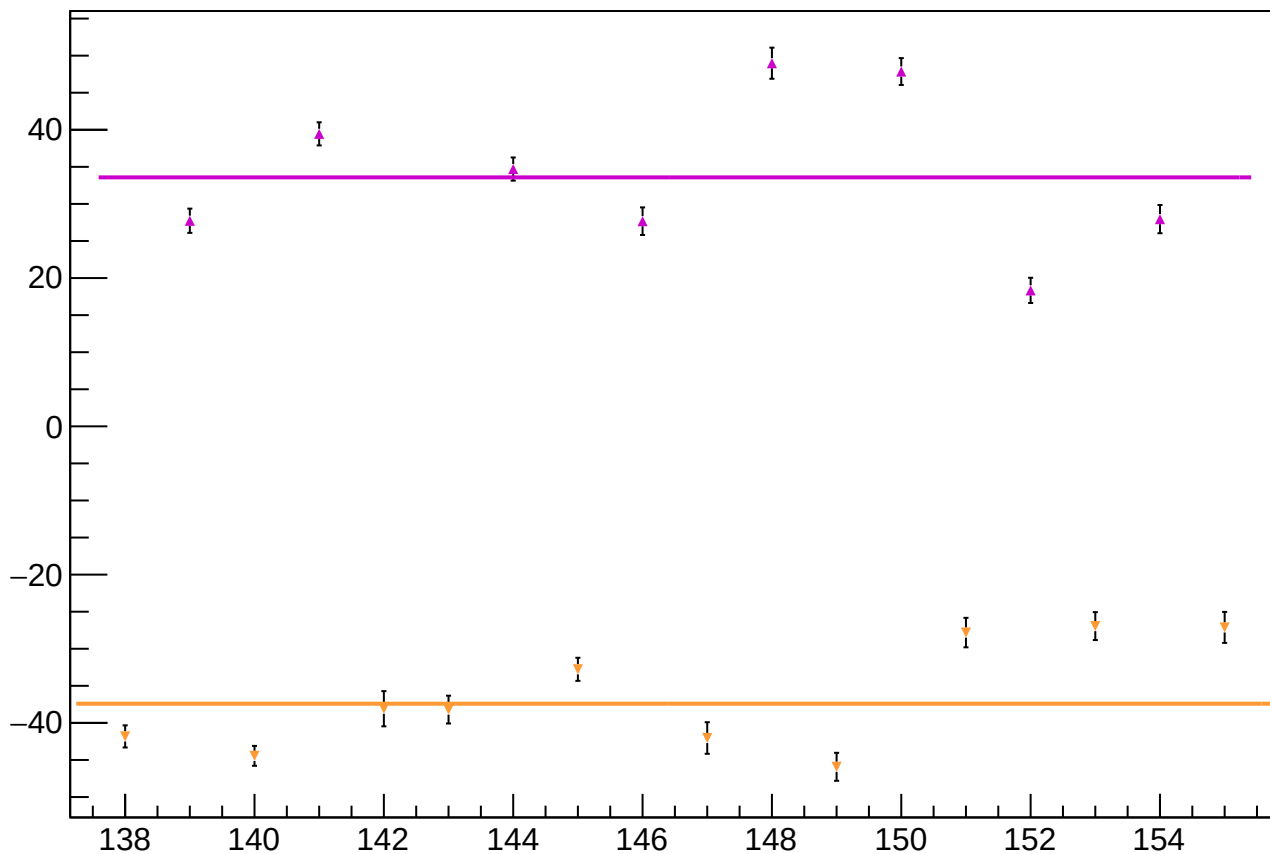
Left In: -0.573 ± 0.009 $\chi^2/\text{NDF}: 215.9/7$

0.536 ± 0.008 $\chi^2/\text{NDF}: 1469.5/26$

0.024 ± 0.006 $\chi^2/\text{NDF}: 11601.2/54$

-0.510 ± 0.008 $\chi^2/\text{NDF}: 1901.8/27$

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: -37.410+/-0.564 χ^2/NDF : 148.8/9

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

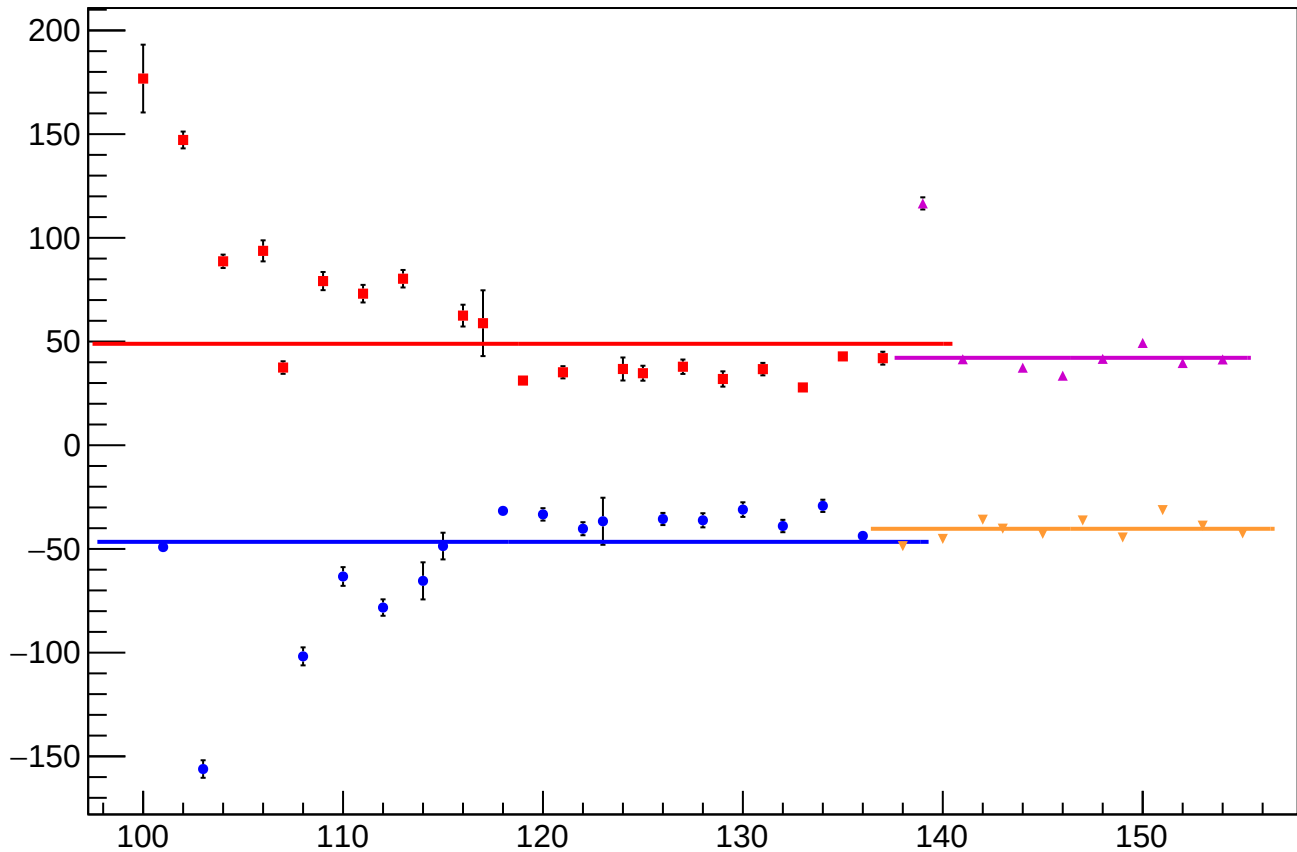
Left In: 33.581+/-0.616 χ^2/NDF : 242.8/7

-37.410+/-0.564 χ^2/NDF : 148.8/9

-5.025+/-0.416 χ^2/NDF : 7619.6/17

33.581+/-0.616 χ^2/NDF : 242.8/7

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: -40.282 ± 0.396 χ^2/NDF : 153.9/9

Right Out: 48.911 ± 0.763 χ^2/NDF : 1277.9/19

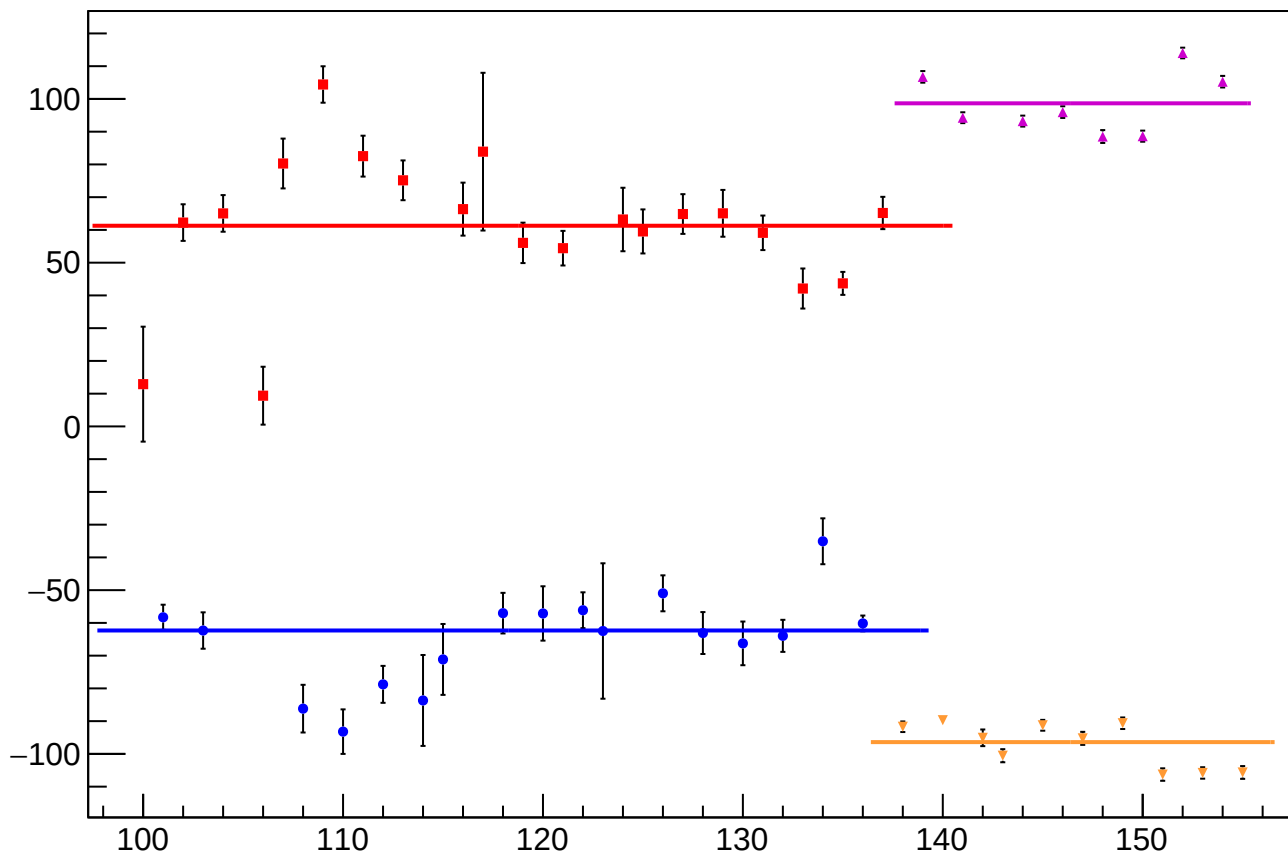
Left In: 42.149 ± 0.433 χ^2/NDF : 760.2/7

-41.712 ± 0.348 χ^2/NDF : 1287.9/26

-2.363 ± 0.256 χ^2/NDF : 31202.6/54

43.799 ± 0.377 χ^2/NDF : 2097.6/27

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.315 $\pm$ 1.316 χ^2 /NDF: 67.1/16

Left Out: -96.402 $\pm$ 0.570 χ^2 /NDF:134.3/9

Right Out: 61.277 $\pm$ 1.379 χ^2 /NDF: 165.9/19

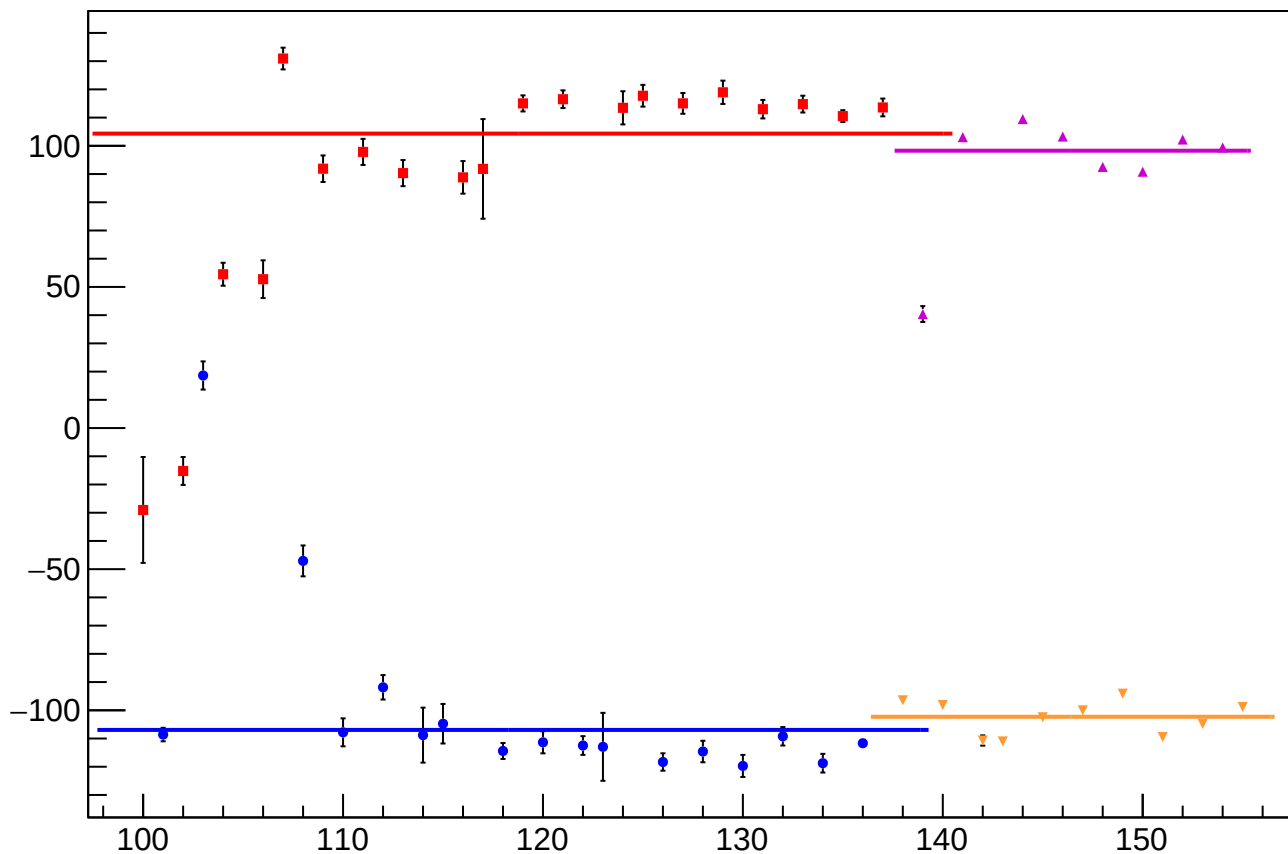
Left In: 98.658 $\pm$ 0.613 χ^2 /NDF:205.5/7

-91.020 $\pm$ 0.523 χ^2 /NDF: 766.7/26

-5.634 $\pm$ 0.382 χ^2 /NDF: 59091.8/54

92.483 $\pm$ 0.560 χ^2 /NDF: 985.1/27

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: -102.300 ± 0.480 χ^2/NDF : 138.5/9

Right Out: 104.326 ± 0.860 χ^2/NDF : 1021.5/19

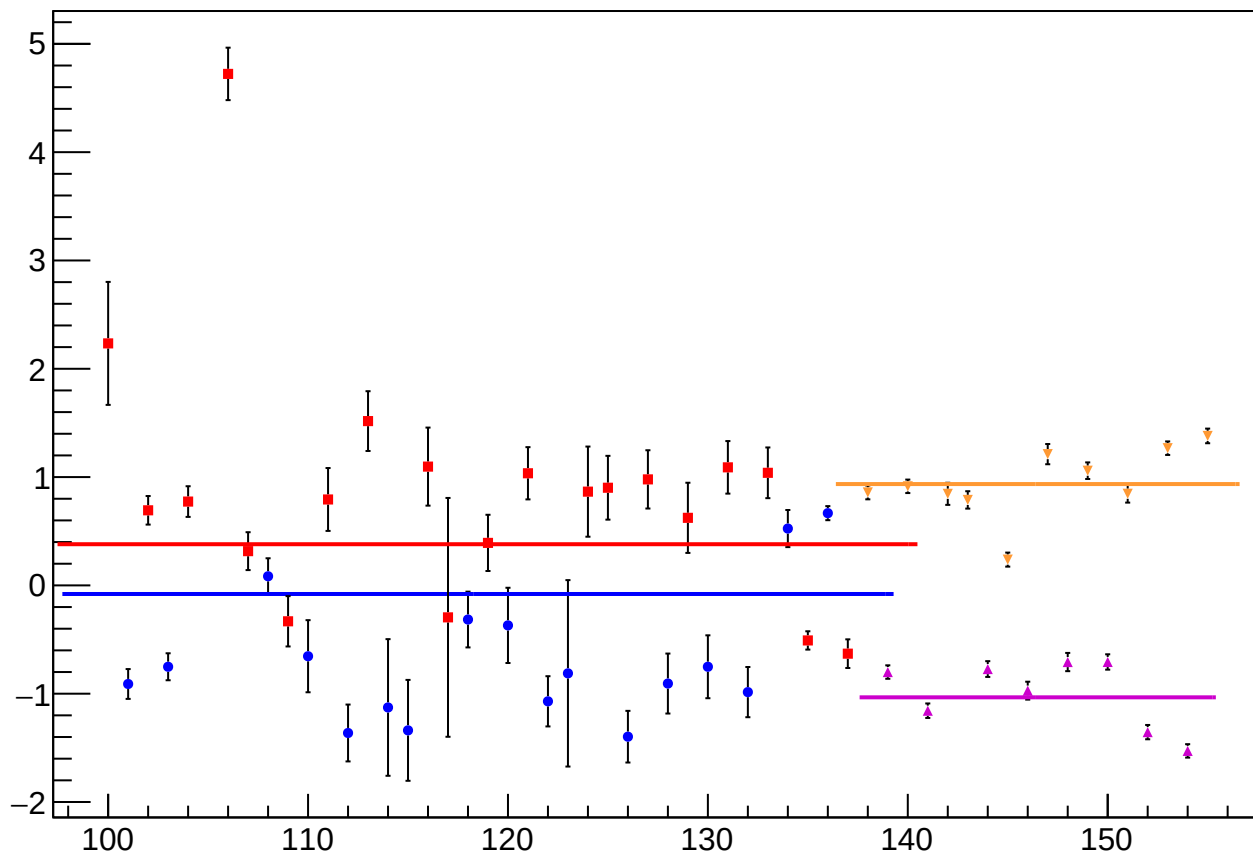
Left In: 98.271 ± 0.526 χ^2/NDF : 569.5/7

-103.496 ± 0.414 χ^2/NDF : 989.8/26

-9.928 ± 0.304 χ^2/NDF : 113574.4/54

99.918 ± 0.449 χ^2/NDF : 1627.0/27

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: 0.936 ± 0.023 χ^2/NDF : 205.3/9

Right Out: 0.380 ± 0.044 χ^2/NDF : 580.9/19

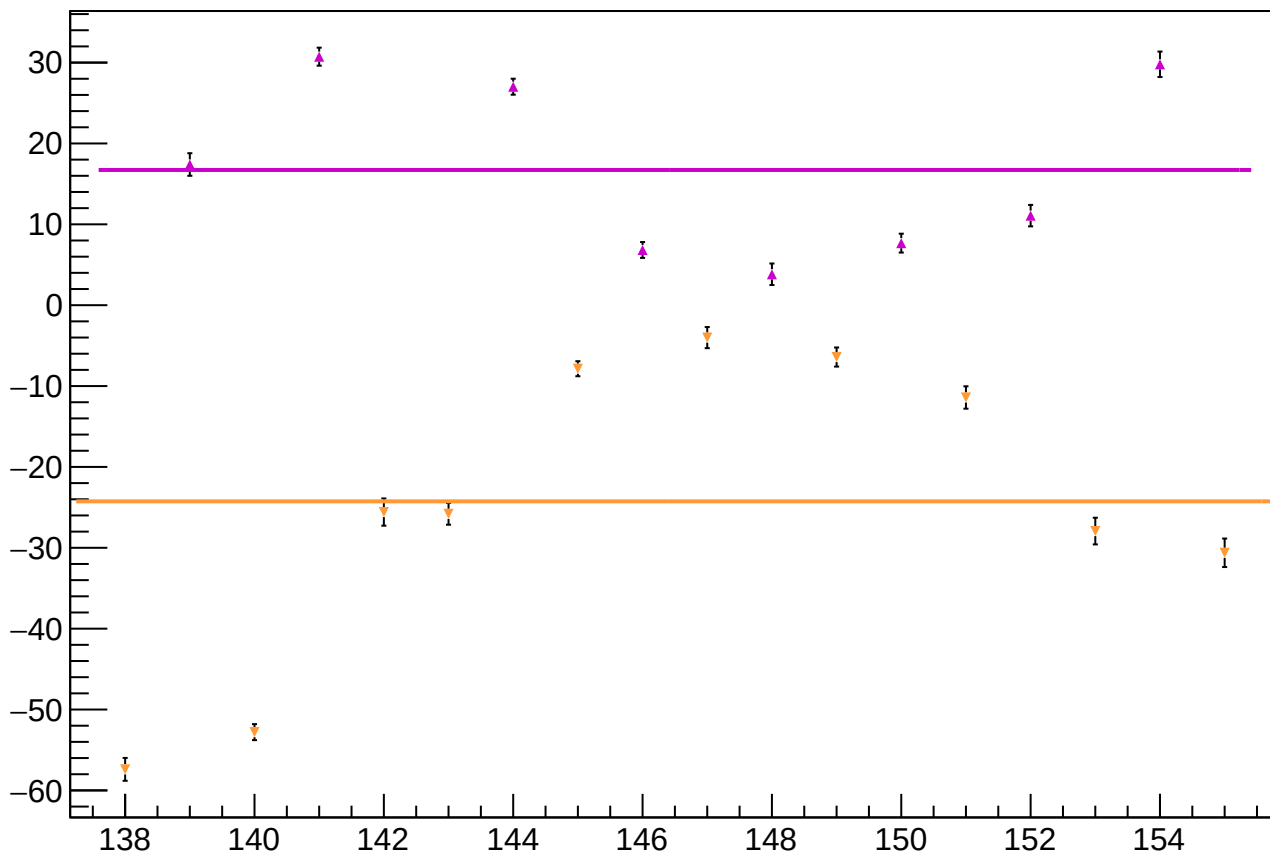
Left In: -1.034 ± 0.025 χ^2/NDF : 154.1/7

0.705 ± 0.020 χ^2/NDF : 979.3/26

0.050 ± 0.015 χ^2/NDF : 4755.7/54

-0.695 ± 0.022 χ^2/NDF : 1521.2/27

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: -24.257+/-0.405 χ^2/NDF : 2266.3/9

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

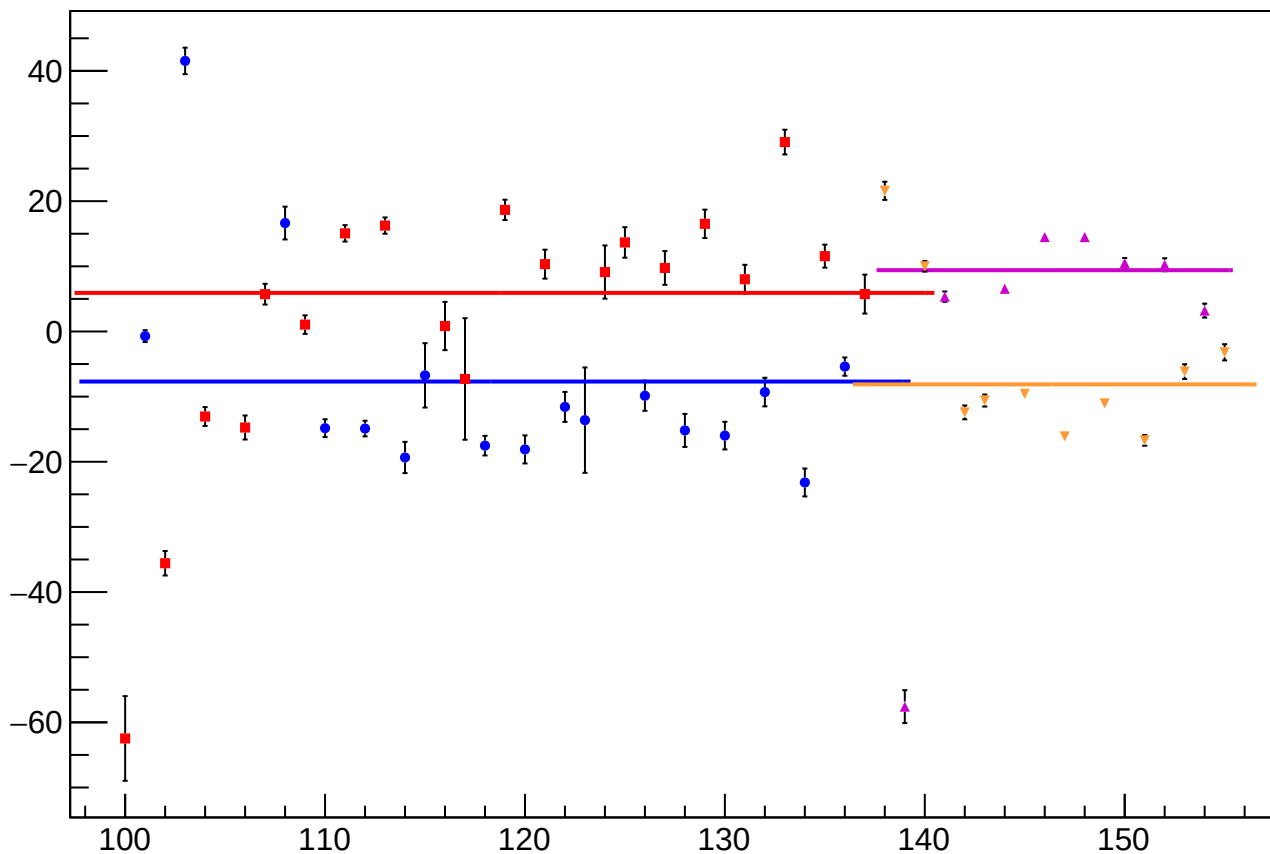
Left In: 16.722+/-0.420 χ^2/NDF : 610.3/7

-24.257+/-0.405 χ^2/NDF : 2266.3/9

-4.541+/-0.292 χ^2/NDF : 7805.1/17

16.722+/-0.420 χ^2/NDF : 610.3/7

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: -8.122 ± 0.277 χ^2/NDF : 1292.2/9

Right Out: 5.925 ± 0.428 χ^2/NDF : 1300.1/19

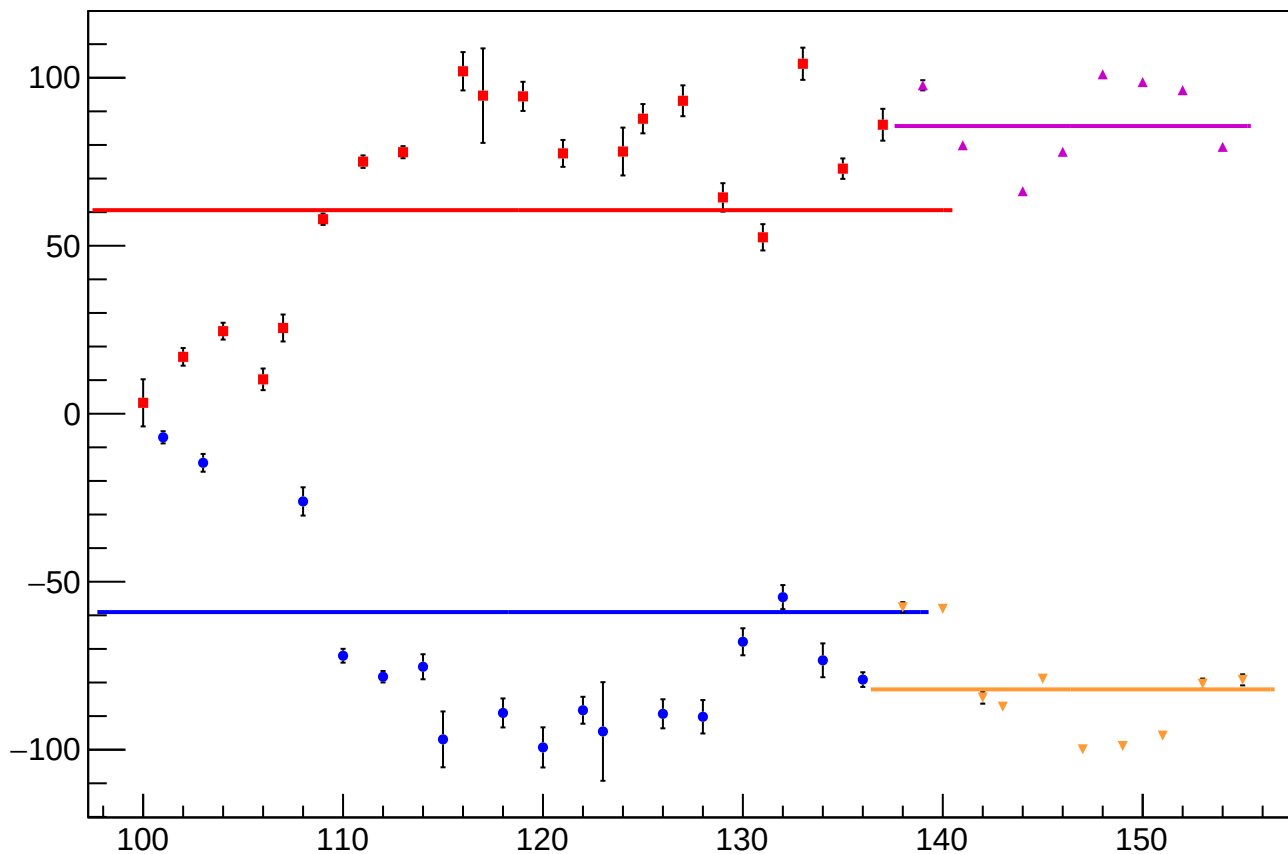
Left In: 9.406 ± 0.286 χ^2/NDF : 911.1/7

-7.994 ± 0.233 χ^2/NDF : 2268.9/26

-0.004 ± 0.166 χ^2/NDF : 6936.2/54

8.335 ± 0.238 χ^2/NDF : 2256.9/27

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.039 +/- 0.746 χ^2/NDF : 1709.5/16

Left Out: -82.044 +/- 0.408 χ^2/NDF : 1356.2/9

Right Out: 60.593 +/- 0.704 χ^2/NDF : 1390.7/19

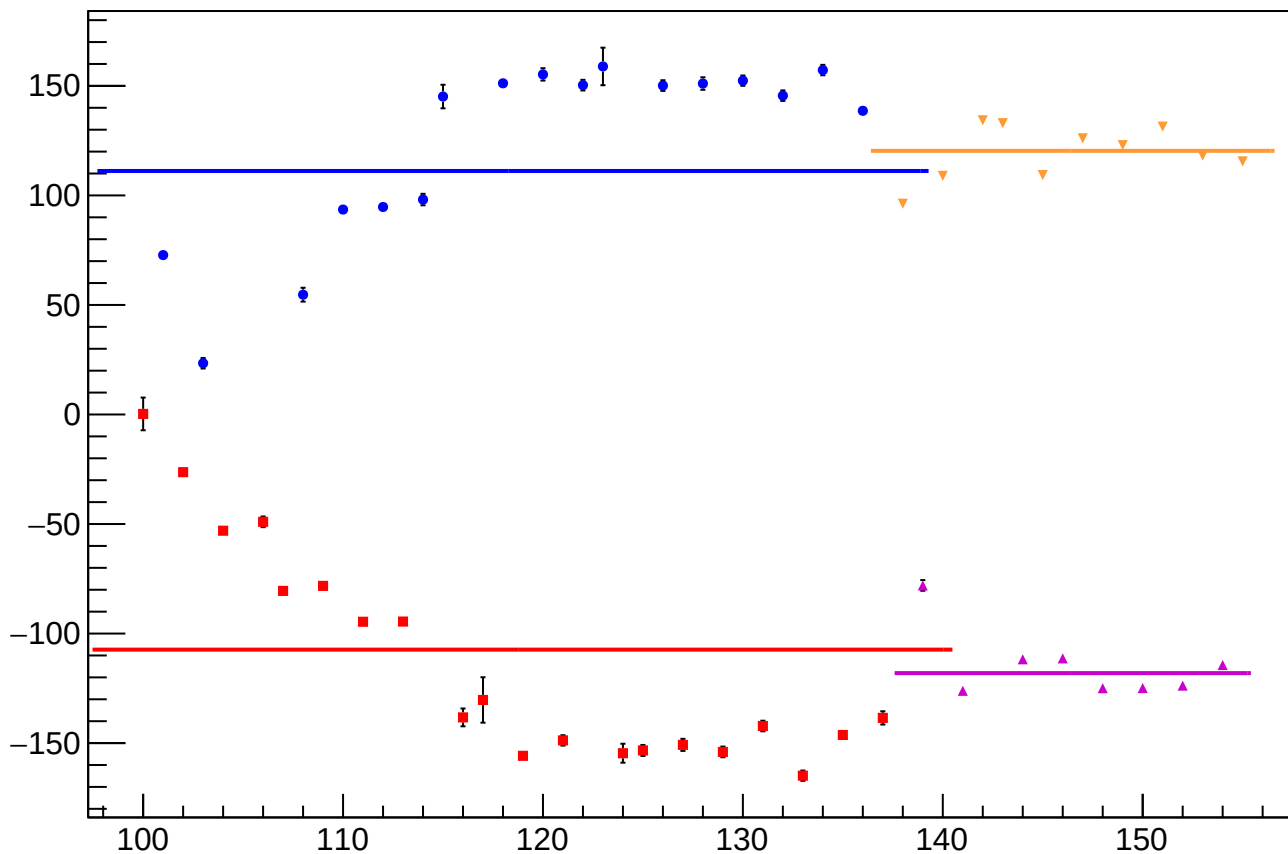
Left In: 85.629 +/- 0.417 χ^2/NDF : 873.9/7

-76.748 +/- 0.358 χ^2/NDF : 3798.4/26

0.939 +/- 0.253 χ^2/NDF : 101598.9/54

79.114 +/- 0.359 χ^2/NDF : 3201.5/27

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.160 $\pm$ 0.489 χ^2 /NDF: 5877.6/16

Left Out: 120.363 $\pm$ 0.339 χ^2 /NDF: 946.8/9

Right Out: -107.334 $\pm$ 0.487 χ^2 /NDF: 7060.0/19

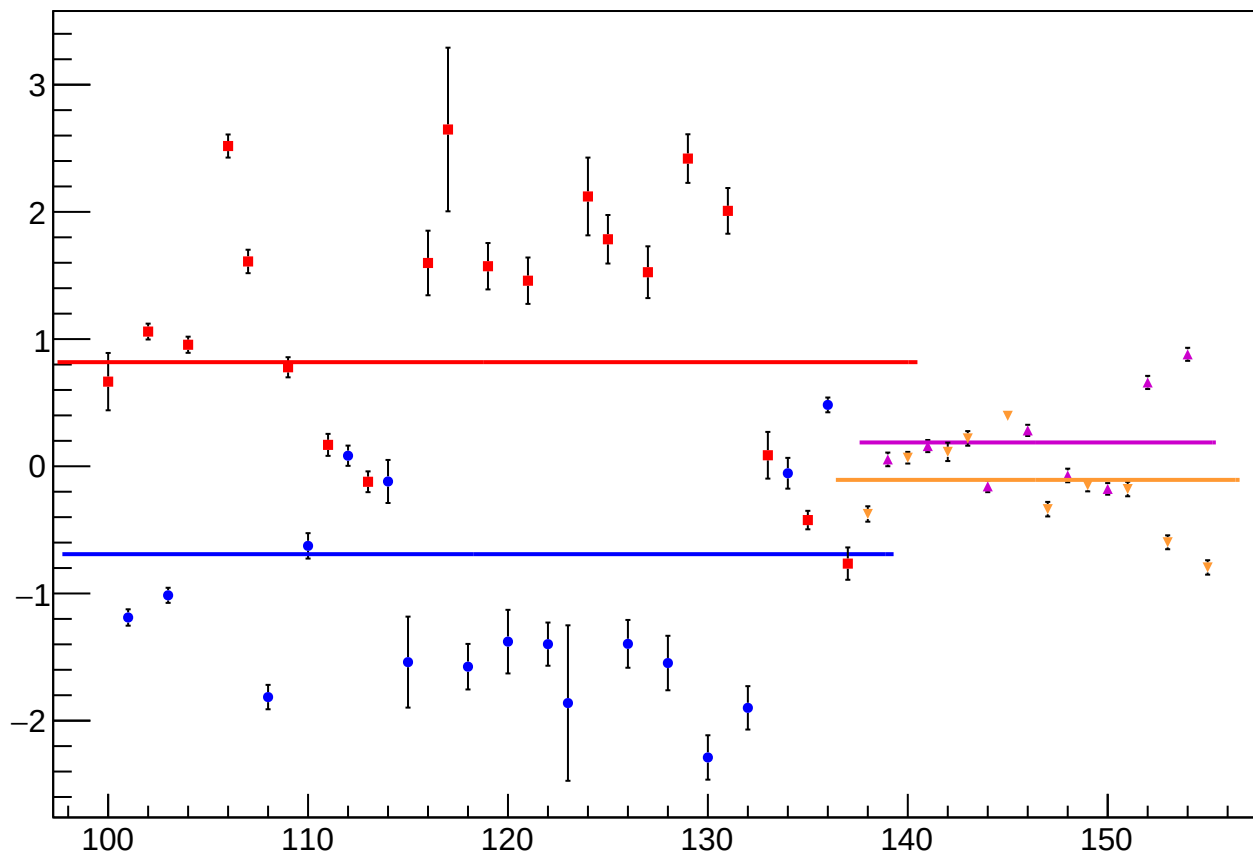
Left In: -118.051 $\pm$ 0.350 χ^2 /NDF: 621.4/7

117.379 $\pm$ 0.278 χ^2 /NDF: 7063.8/26

3.795 $\pm$ 0.199 χ^2 /NDF: 354610.5/54

-114.407 $\pm$ 0.284 χ^2 /NDF: 8000.9/27

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.691 ± 0.026 $\chi^2/\text{NDF}: 990.9/16$

Left Out: -0.107 ± 0.017 $\chi^2/\text{NDF}: 491.5/9$

Right Out: 0.819 ± 0.024 $\chi^2/\text{NDF}: 1312.5/19$

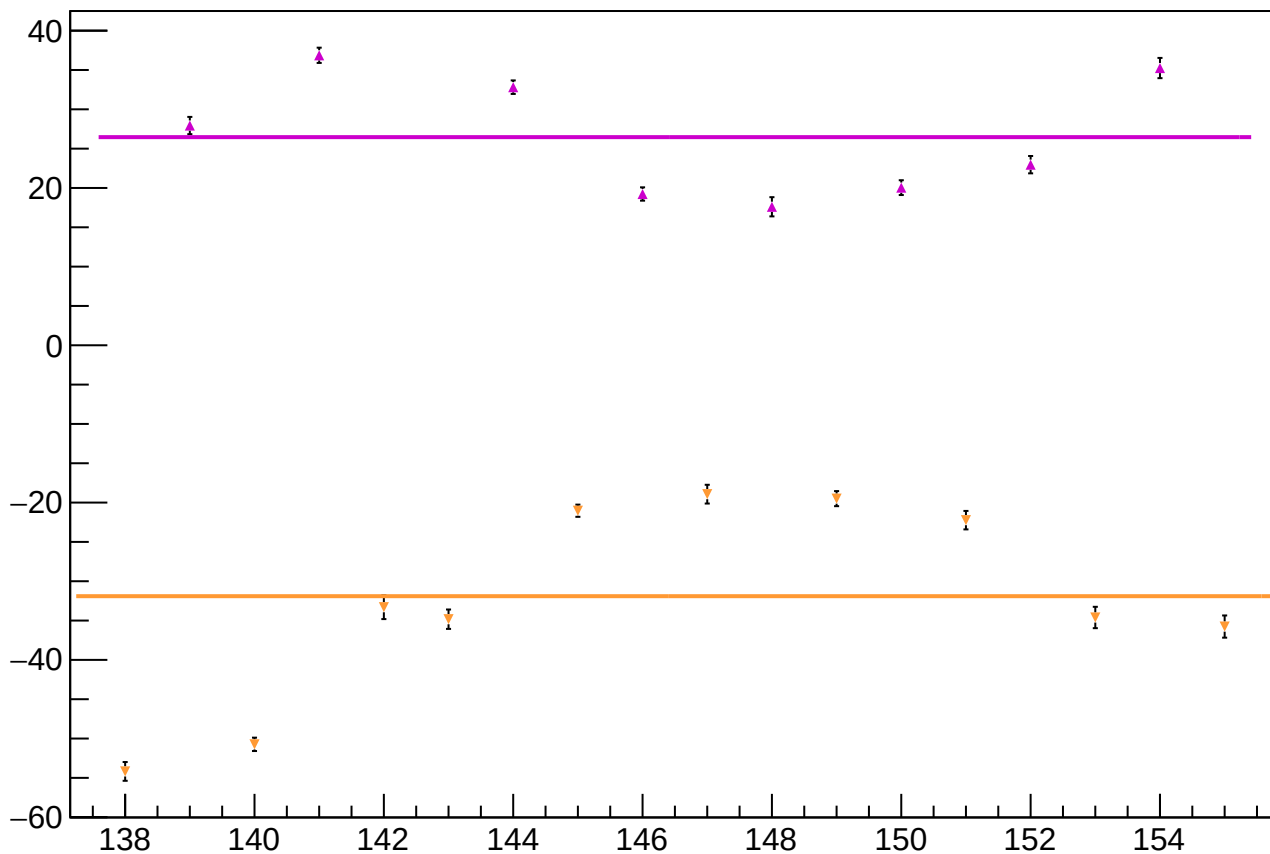
Left In: 0.187 ± 0.017 $\chi^2/\text{NDF}: 421.3/7$

-0.278 ± 0.014 $\chi^2/\text{NDF}: 1843.8/26$

0.058 ± 0.010 $\chi^2/\text{NDF}: 5187.8/54$

0.398 ± 0.014 $\chi^2/\text{NDF}: 2181.6/27$

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: -31.902+/-0.345 χ^2/NDF :1406.9/9

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

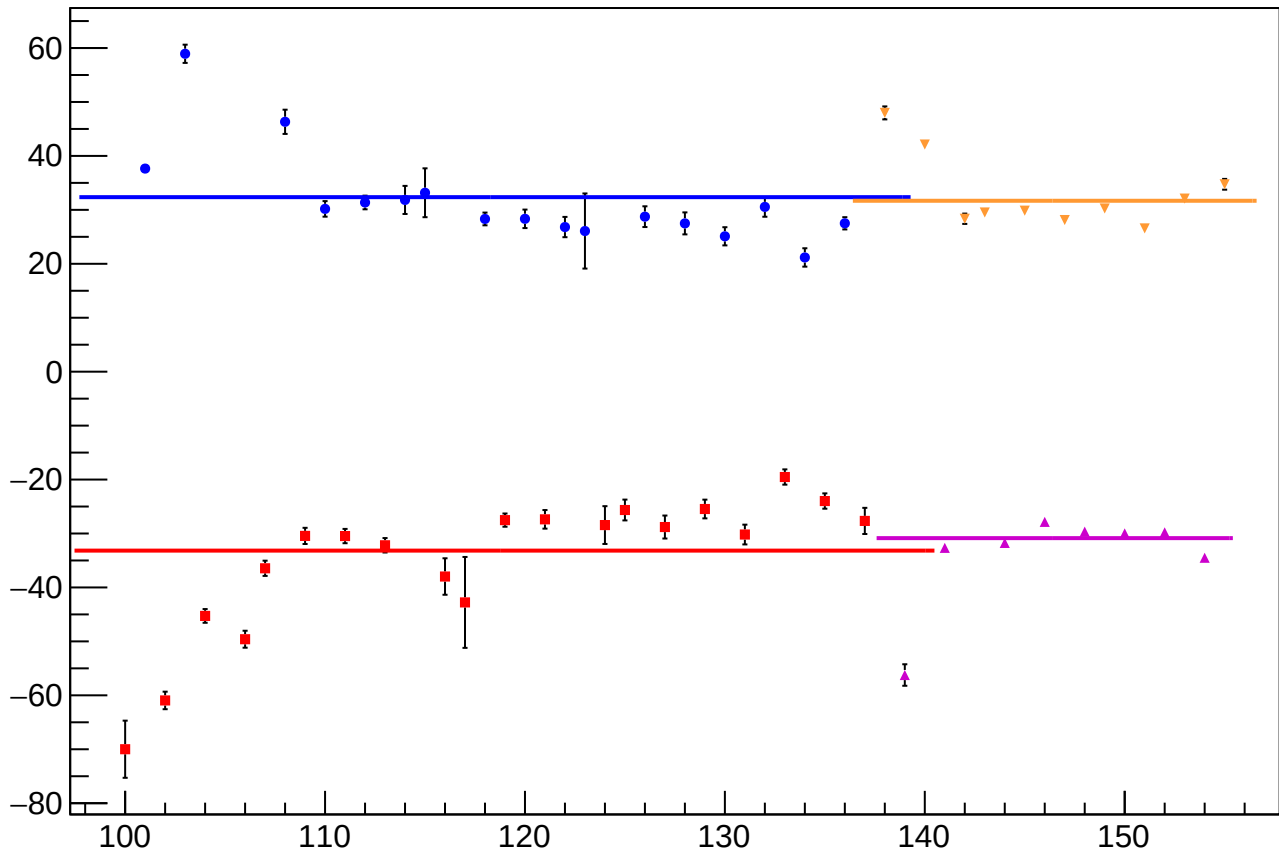
Left In: 26.463+/-0.357 χ^2/NDF :399.8/7

-31.902+/-0.345 χ^2/NDF : 1406.9/9

-3.686+/-0.248 χ^2/NDF : 15641.7/17

26.463+/-0.357 χ^2/NDF : 399.8/7

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 32.355 ± 0.375 $\chi^2/\text{NDF}: 450.5/16$

Left Out: 31.685 ± 0.239 $\chi^2/\text{NDF}: 540.7/9$

Right Out: -33.172 ± 0.378 $\chi^2/\text{NDF}: 773.3/19$

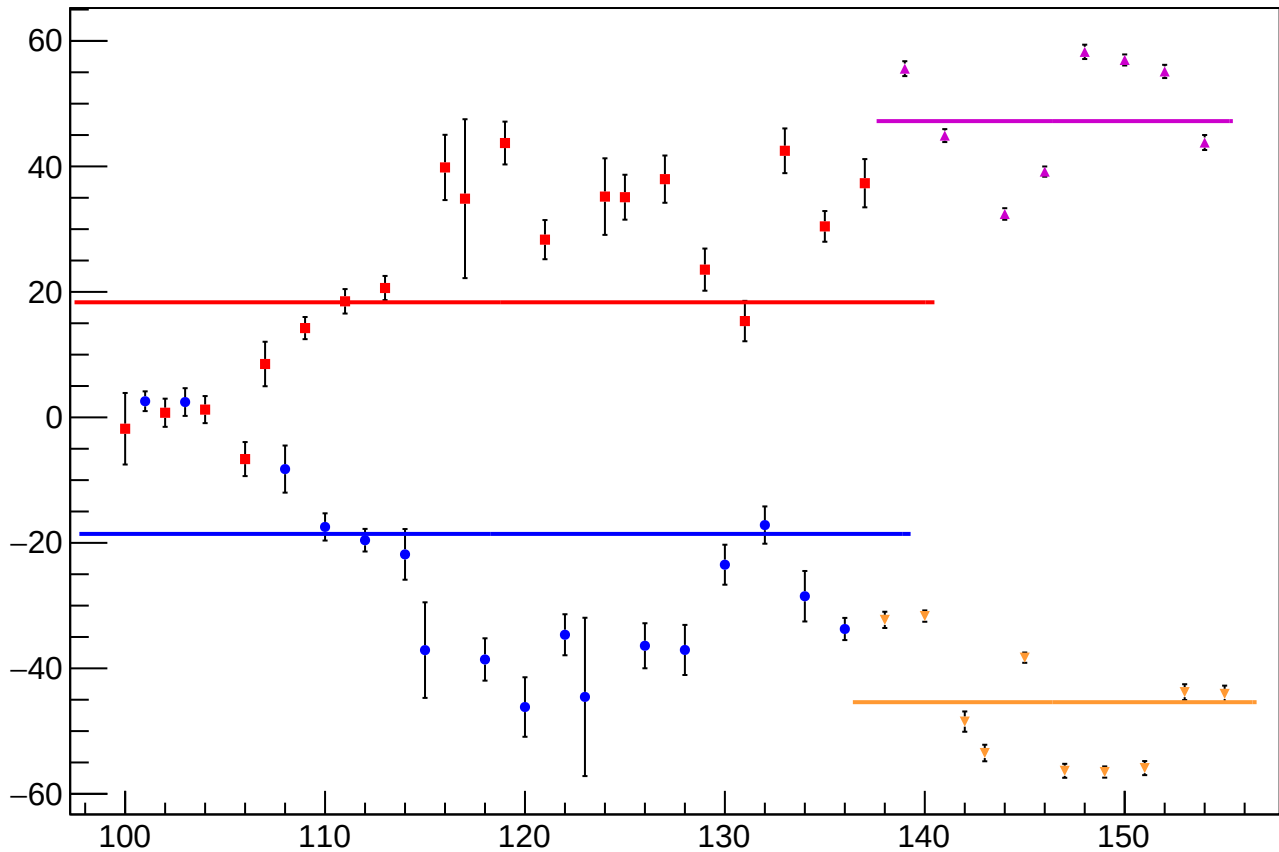
Left In: -30.859 ± 0.248 $\chi^2/\text{NDF}: 226.0/7$

31.878 ± 0.202 $\chi^2/\text{NDF}: 993.5/26$

1.040 ± 0.145 $\chi^2/\text{NDF}: 50115.5/54$

-31.553 ± 0.207 $\chi^2/\text{NDF}: 1025.4/27$

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -18.572 ± 0.667 χ^2/NDF : 511.5/16

Left Out: -45.392 ± 0.347 χ^2/NDF : 790.2/9

Right Out: 18.343 ± 0.643 χ^2/NDF : 475.1/19

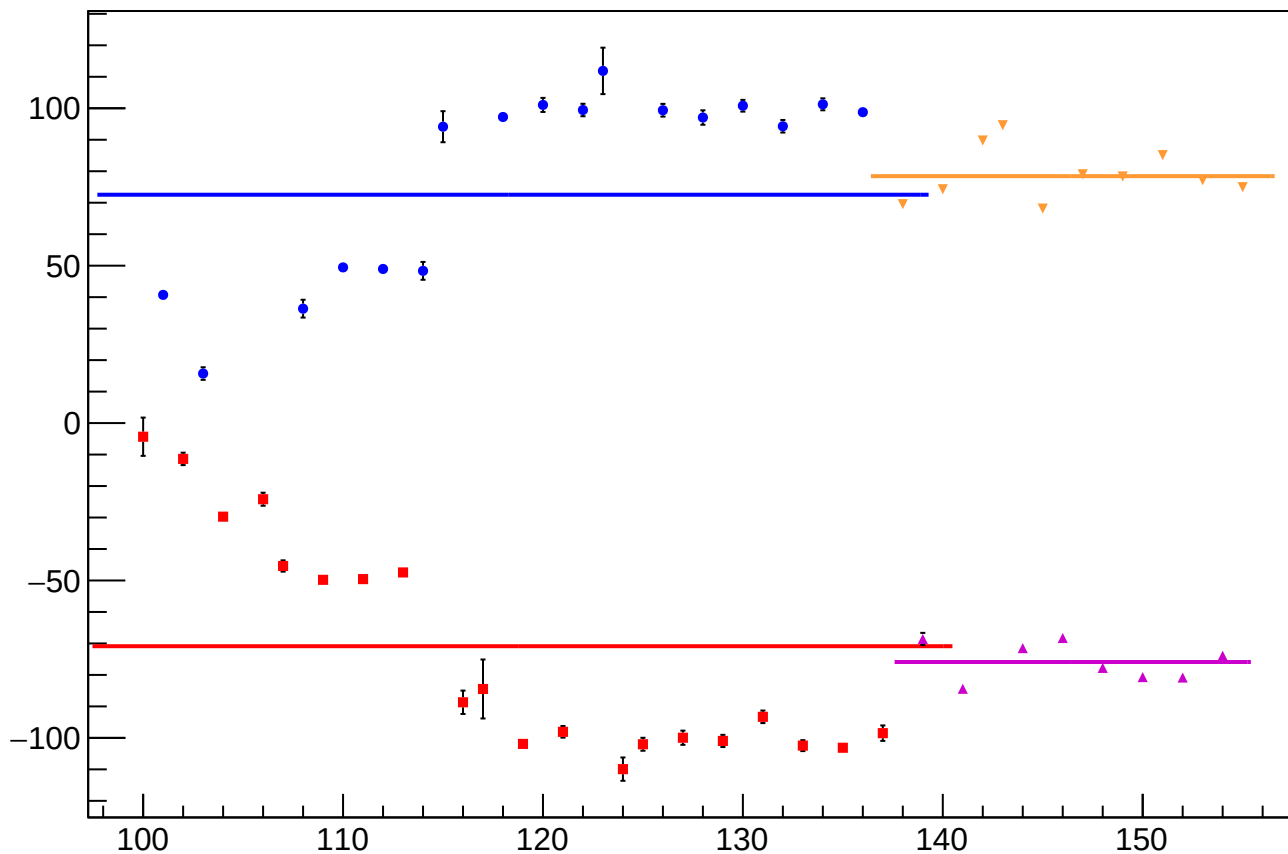
Left In: 47.220 ± 0.354 χ^2/NDF : 690.0/7

-39.693 ± 0.308 χ^2/NDF : 2573.1/26

0.103 ± 0.218 χ^2/NDF : 38997.3/54

40.506 ± 0.310 χ^2/NDF : 2713.0/27

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: 78.431+/-0.291 χ^2/NDF : 674.8/9

Right Out: -70.878+/-0.433 χ^2/NDF : 5502.3/19

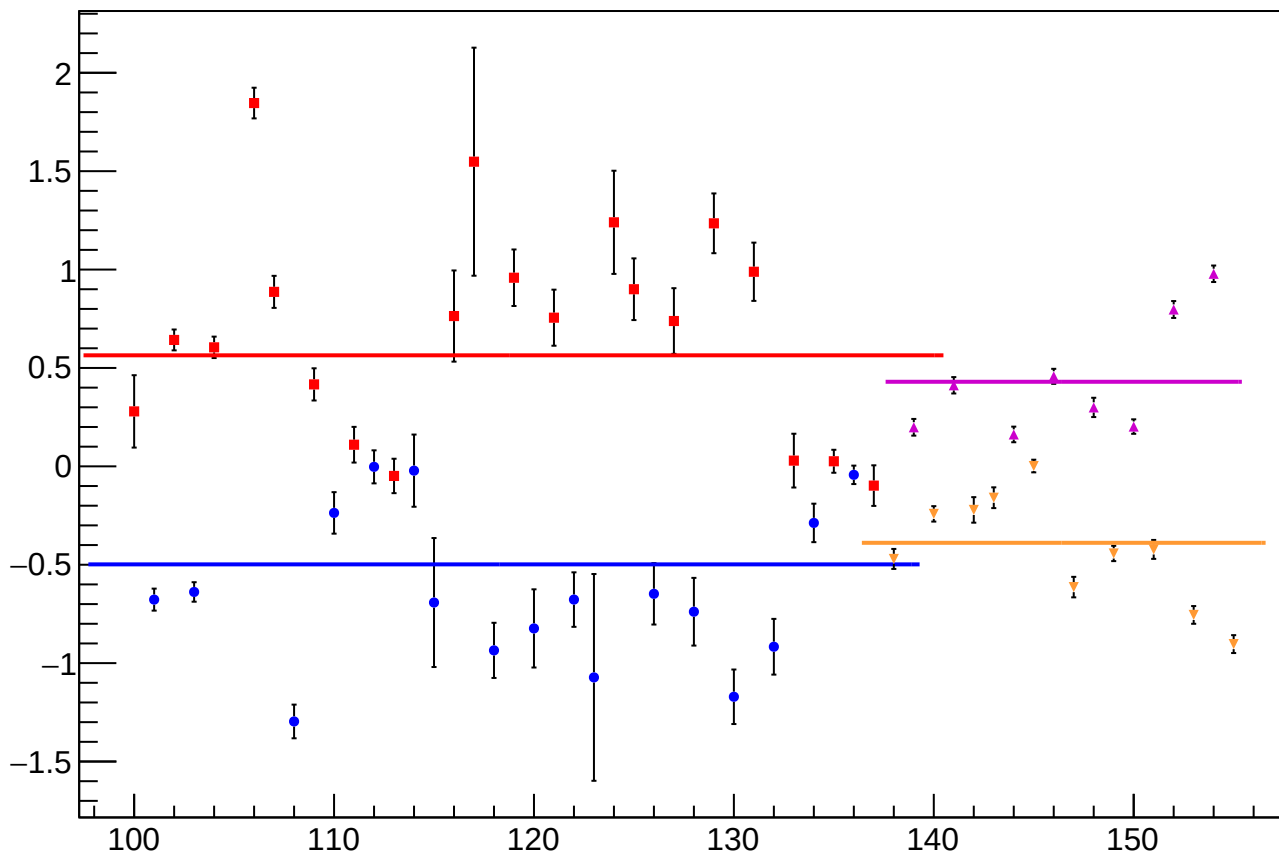
Left In: -75.895+/-0.301 χ^2/NDF : 359.5/7

76.570+/-0.241 χ^2/NDF : 5488.5/26

3.068+/-0.172 χ^2/NDF : 202844.8/54

-74.262+/-0.247 χ^2/NDF : 5952.5/27

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: -0.389 ± 0.014 χ^2/NDF : 404.7/9

Right Out: 0.564 ± 0.021 χ^2/NDF : 563.6/19

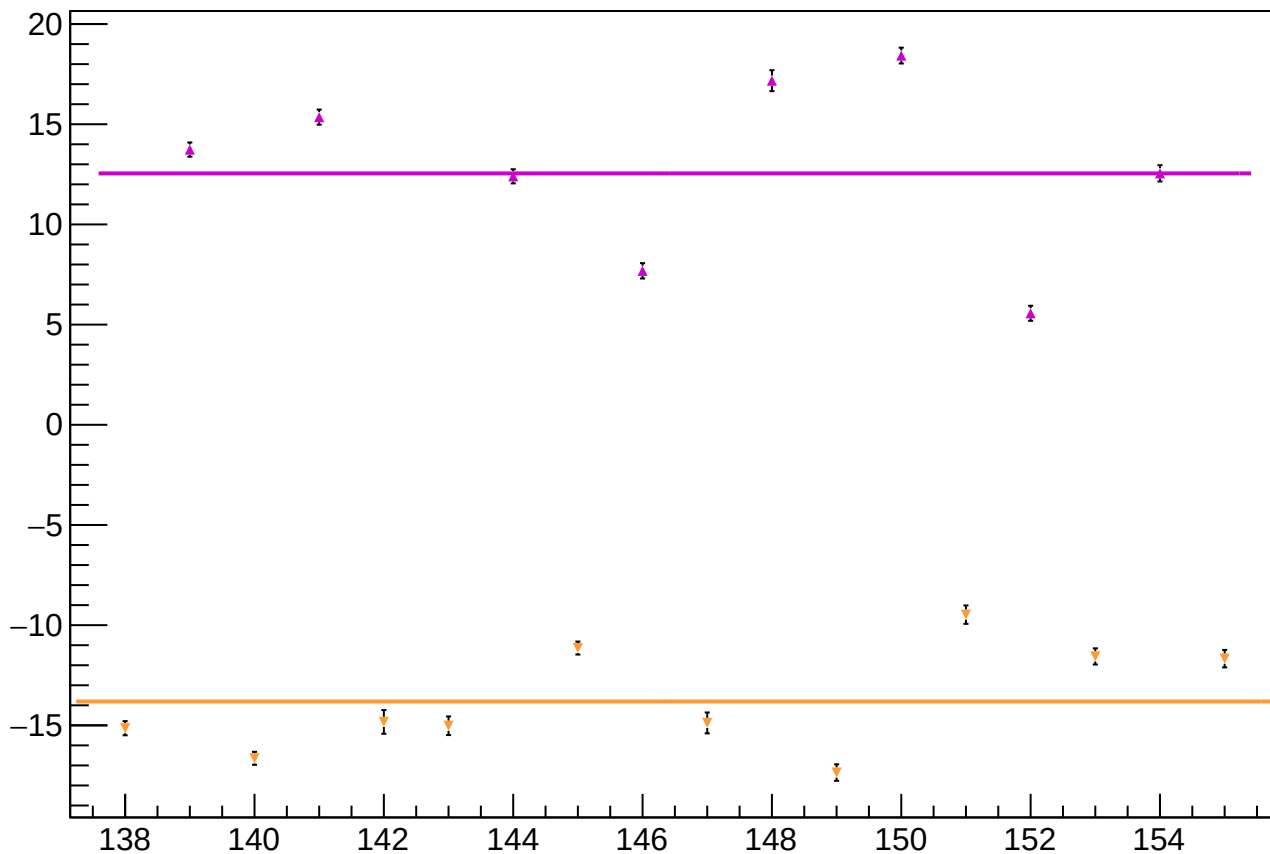
Left In: 0.430 ± 0.015 χ^2/NDF : 366.1/7

-0.420 ± 0.012 χ^2/NDF : 724.7/26

0.022 ± 0.008 χ^2/NDF : 4454.8/54

0.472 ± 0.012 χ^2/NDF : 956.8/27

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: -13.810+/-0.129 χ^2/NDF : 389.5/9

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

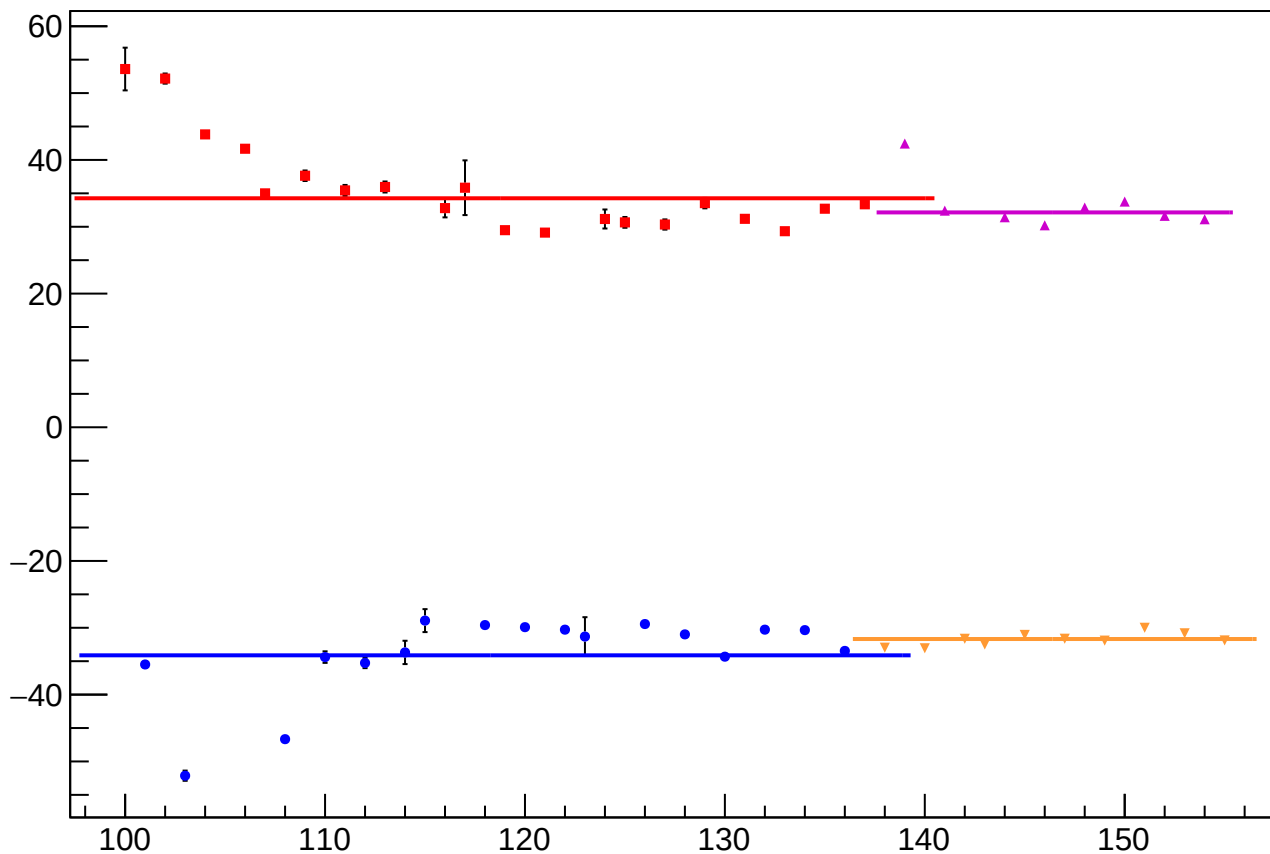
Left In: 12.546+/-0.137 χ^2/NDF : 873.4/7

-13.810+/-0.129 χ^2/NDF : 389.5/9

-1.470+/-0.094 χ^2/NDF : 20811.4/17

12.546+/-0.137 χ^2/NDF : 873.4/7

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: -31.682 ± 0.092 χ^2/NDF : 99.6/9

Right Out: 34.262 ± 0.151 χ^2/NDF : 1355.1/19

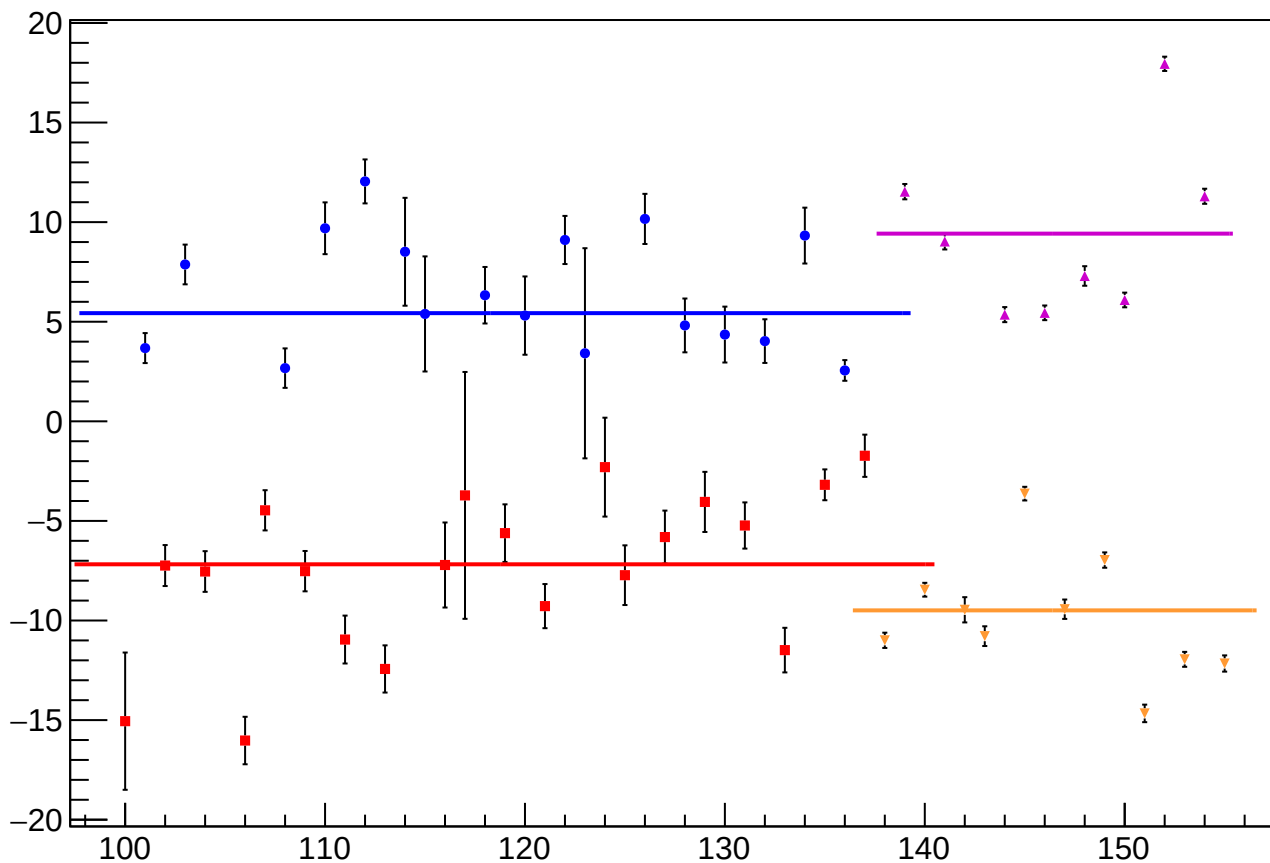
Left In: 32.146 ± 0.099 χ^2/NDF : 391.0/7

-32.333 ± 0.078 χ^2/NDF : 1611.4/26

-1.442 ± 0.057 χ^2/NDF : 330316.1/54

32.781 ± 0.083 χ^2/NDF : 1883.9/27

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



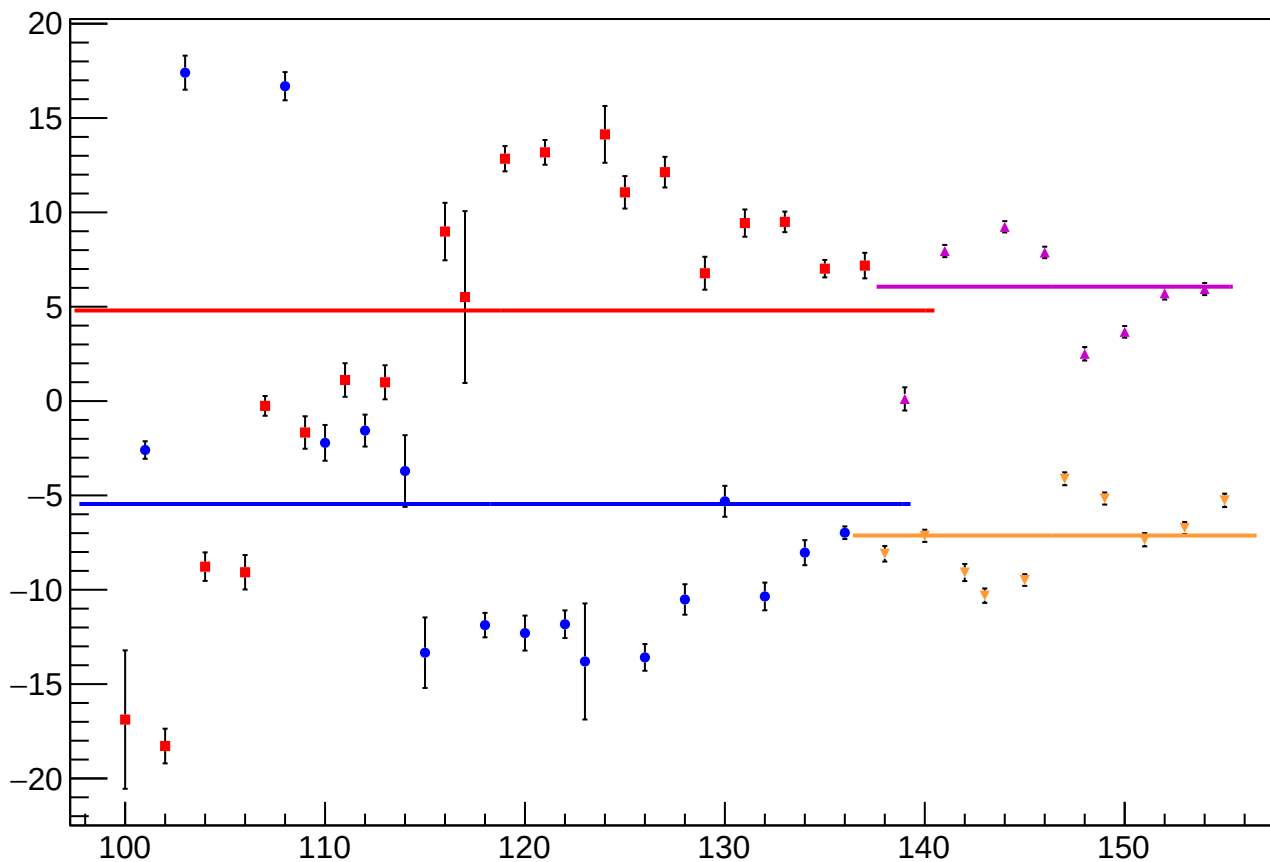
Right In: 5.431 $\pm$ 0.270 χ^2 /NDF: 132.0/16

Left Out: -6.701 $\pm$ 0.117 χ^2 /NDF: 3198.1/26

Right Out: -0.580 $\pm$ 0.085 χ^2 /NDF: 13006.7/54

Left In: 6.118 $\pm$ 0.122 χ^2 /NDF: 4070.3/27

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: -7.125 ± 0.110 χ^2/NDF : 295.8/9

Right Out: 4.799 ± 0.173 χ^2/NDF : 2047.5/19

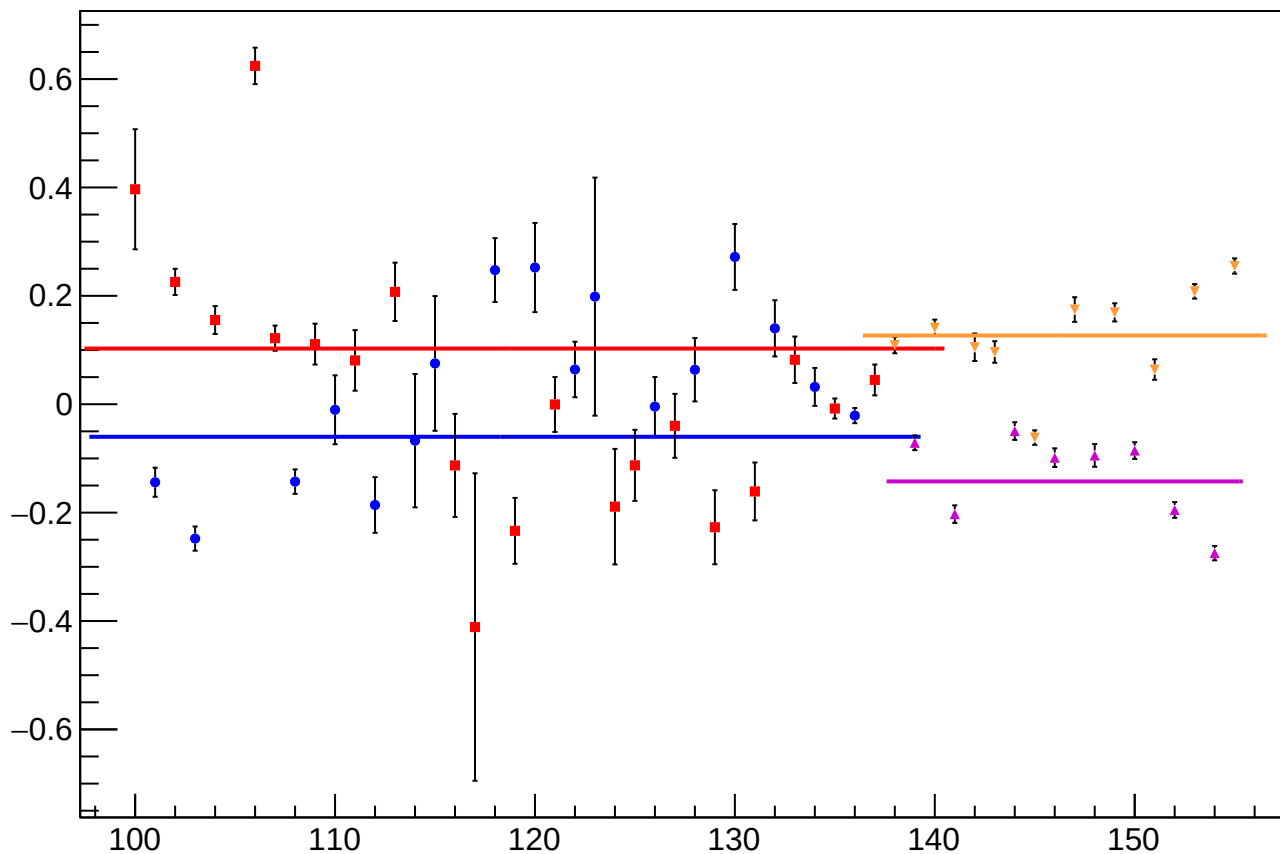
Left In: 6.062 ± 0.119 χ^2/NDF : 434.3/7

-6.633 ± 0.093 χ^2/NDF : 2459.7/26

-0.814 ± 0.067 χ^2/NDF : 13290.8/54

5.658 ± 0.098 χ^2/NDF : 2518.1/27

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: 0.127 ± 0.005 χ^2/NDF : 343.4/9

Right Out: 0.103 ± 0.008 χ^2/NDF : 437.6/19

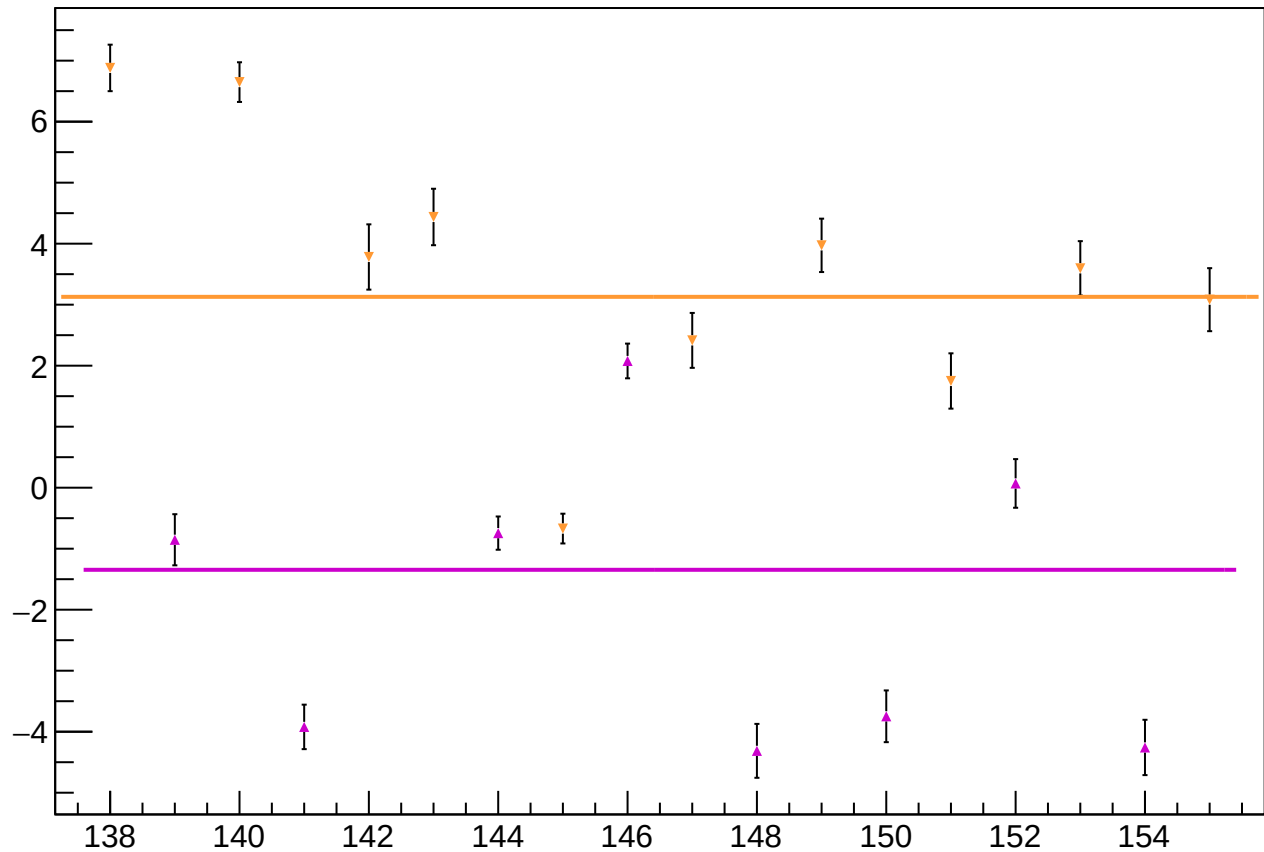
Left In: -0.142 ± 0.005 χ^2/NDF : 211.6/7

0.076 ± 0.004 χ^2/NDF : 917.7/26

0.006 ± 0.003 χ^2/NDF : 2679.7/54

-0.070 ± 0.005 χ^2/NDF : 1243.0/27

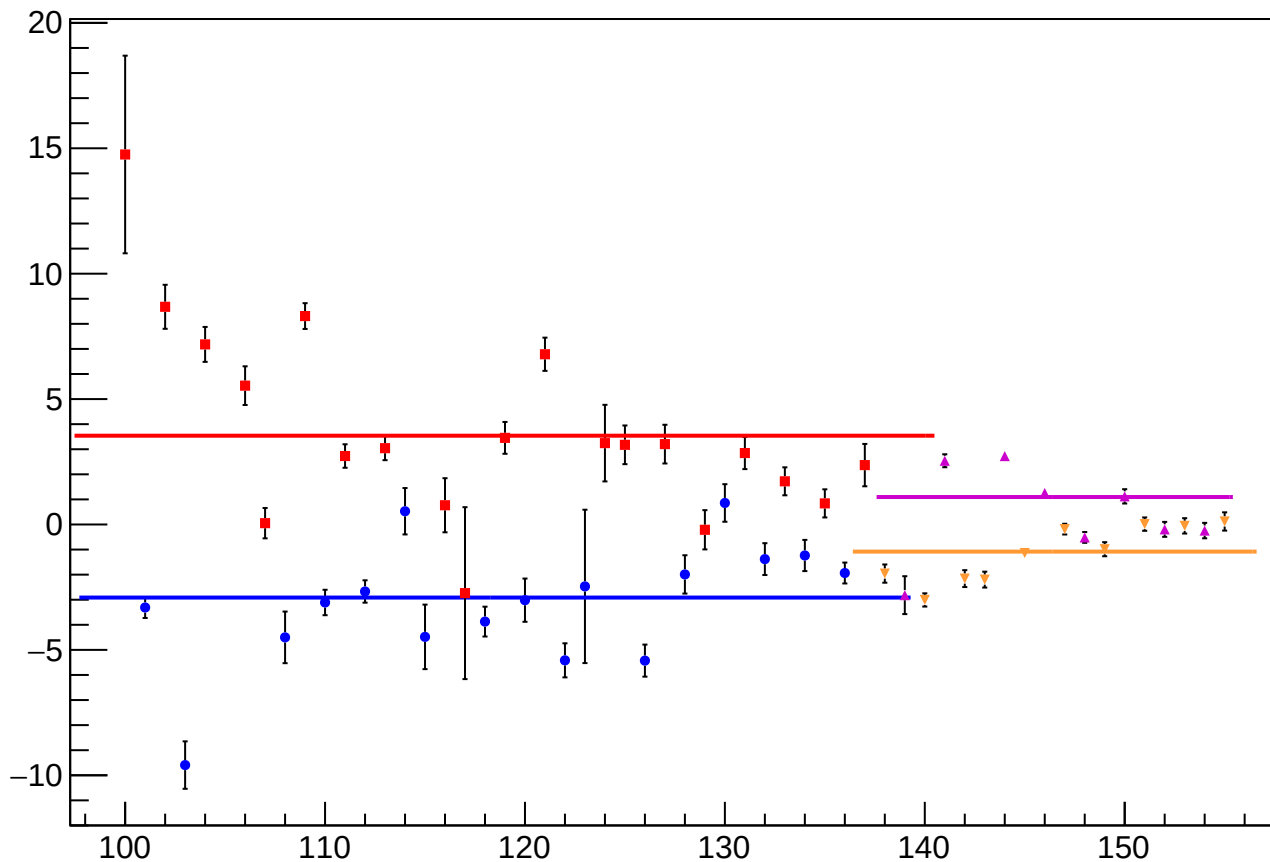
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.128 $\pm$ 0.124 χ^2 /NDF: 482.8/9
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -1.346 $\pm$ 0.128 χ^2 /NDF: 332.0/7

3.128 $\pm$ 0.124 χ^2 /NDF: 482.8/9
 0.967 $\pm$ 0.089 χ^2 /NDF: 1444.7/17
 -1.346 $\pm$ 0.128 χ^2 /NDF: 332.0/7

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.914 ± 0.155 $\chi^2/\text{NDF}: 146.1/16$

Left Out: -1.082 ± 0.087 $\chi^2/\text{NDF}: 138.6/9$

Right Out: 3.540 ± 0.154 $\chi^2/\text{NDF}: 294.2/19$

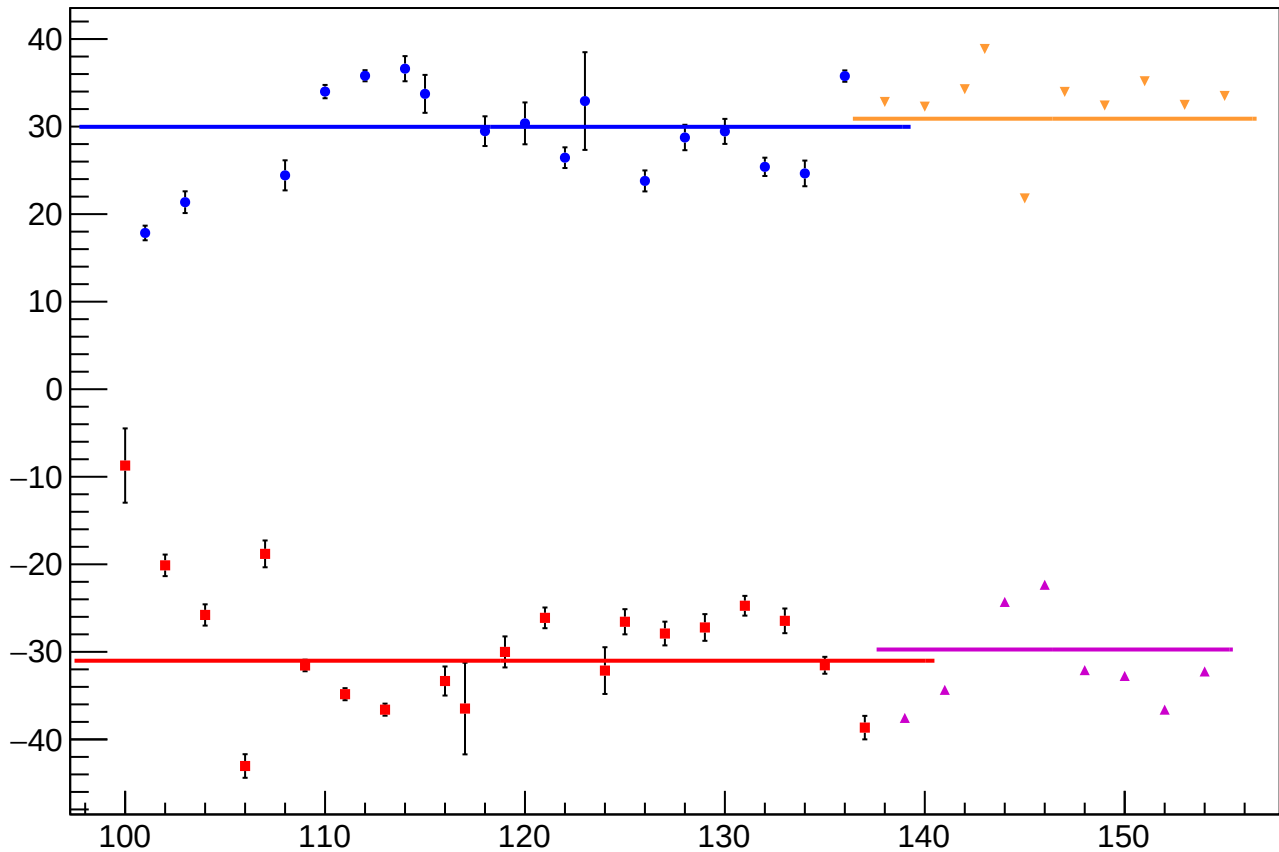
Left In: 1.095 ± 0.087 $\chi^2/\text{NDF}: 222.6/7$

-1.518 ± 0.076 $\chi^2/\text{NDF}: 391.4/26$

0.075 ± 0.054 $\chi^2/\text{NDF}: 1993.1/54$

1.686 ± 0.076 $\chi^2/\text{NDF}: 706.9/27$

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.972 ± 0.267 $\chi^2/\text{NDF}: 554.3/16$

Left Out: 30.899 ± 0.126 $\chi^2/\text{NDF}: 1768.1/9$

Right Out: -31.013 ± 0.260 $\chi^2/\text{NDF}: 480.6/19$

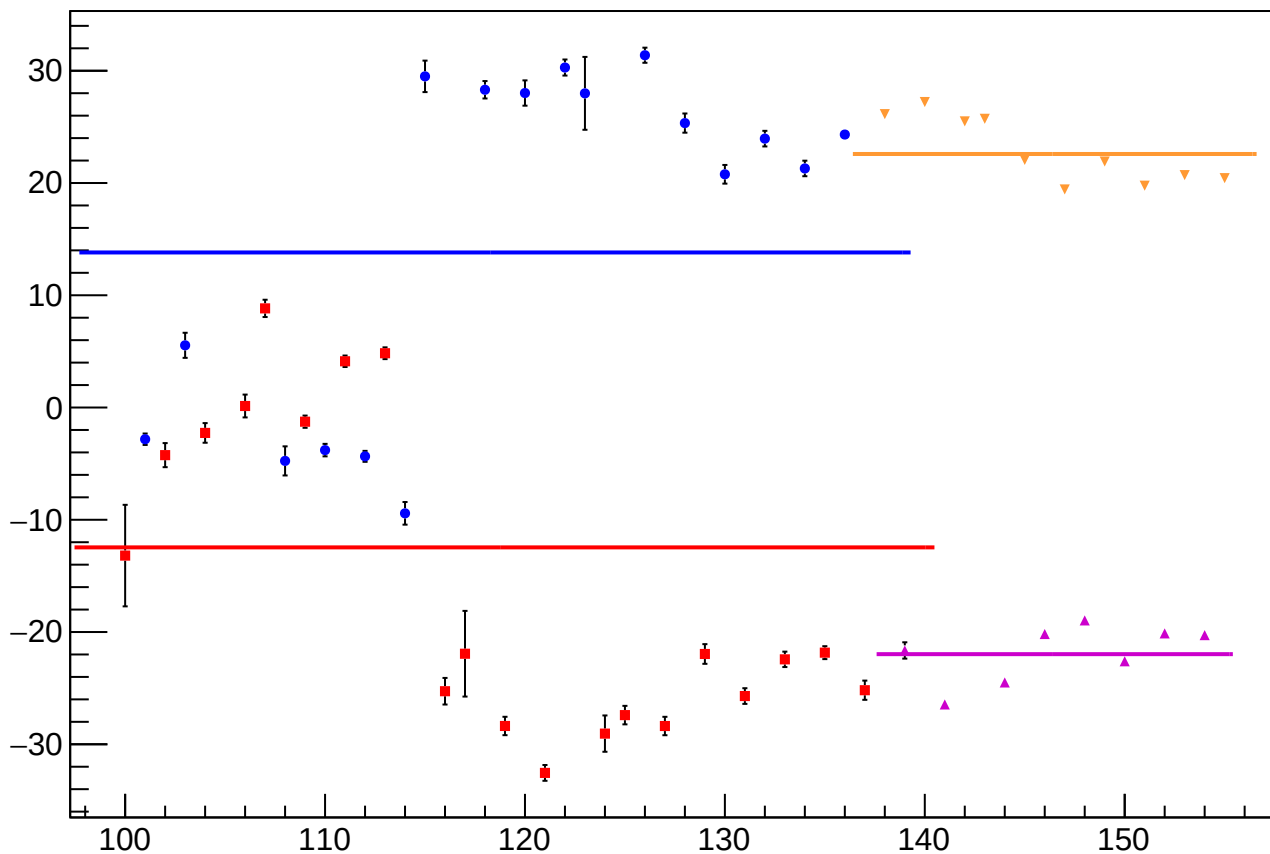
Left In: -29.732 ± 0.128 $\chi^2/\text{NDF}: 1967.4/7$

30.731 ± 0.114 $\chi^2/\text{NDF}: 2332.2/26$

0.595 ± 0.081 $\chi^2/\text{NDF}: 146169.5/54$

-29.981 ± 0.115 $\chi^2/\text{NDF}: 2467.6/27$

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.813 $\pm$ 0.173 χ^2/NDF : 7318.6/16

Left Out: 22.586 $\pm$ 0.105 χ^2/NDF : 646.0/9

Right Out: -12.460 $\pm$ 0.174 χ^2/NDF : 6976.5/19

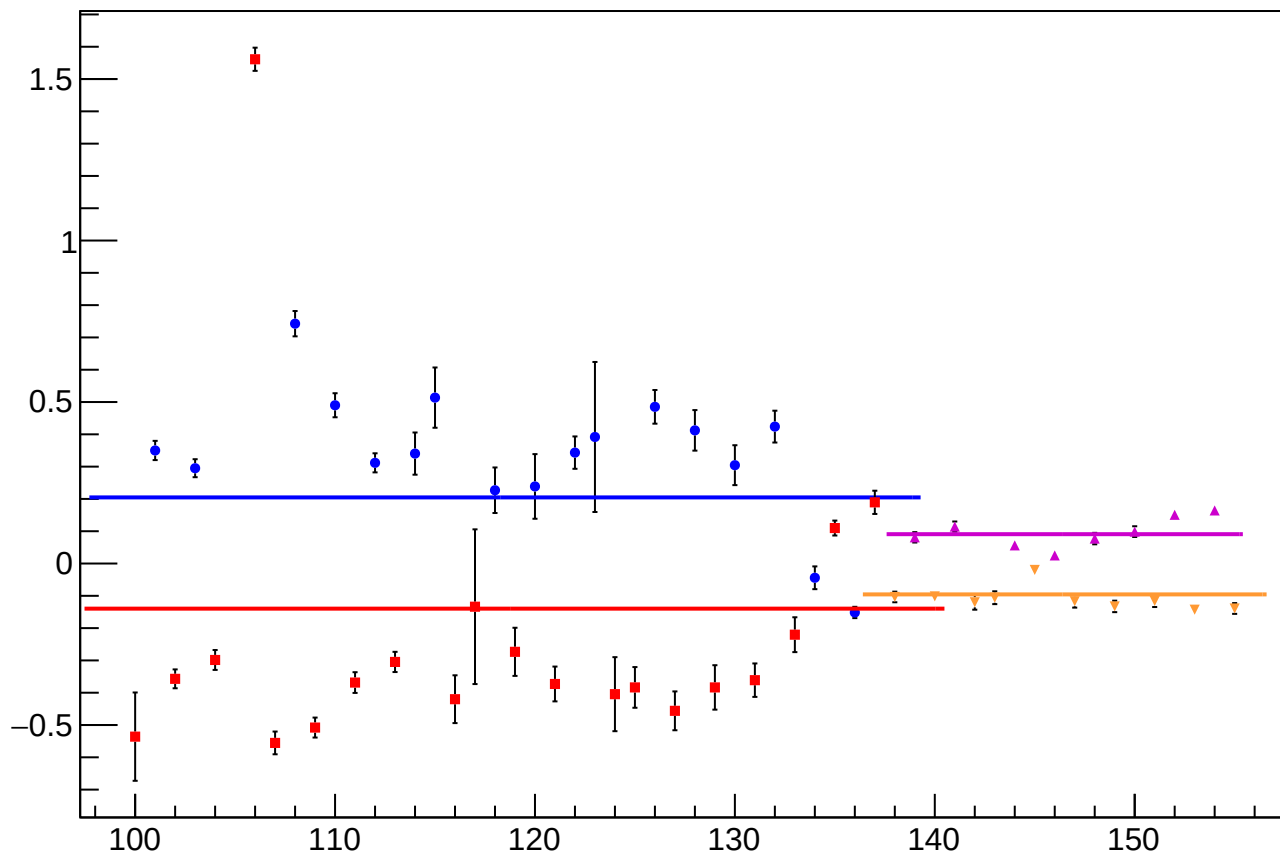
Left In: -21.972 $\pm$ 0.107 χ^2/NDF : 545.8/7

20.212 $\pm$ 0.090 χ^2/NDF : 9847.4/26

0.678 $\pm$ 0.064 χ^2/NDF : 115353.9/54

-19.358 $\pm$ 0.091 χ^2/NDF : 9700.8/27

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: -0.096 ± 0.005 χ^2/NDF : 81.0/9

Right Out: -0.140 ± 0.009 χ^2/NDF : 3014.2/19

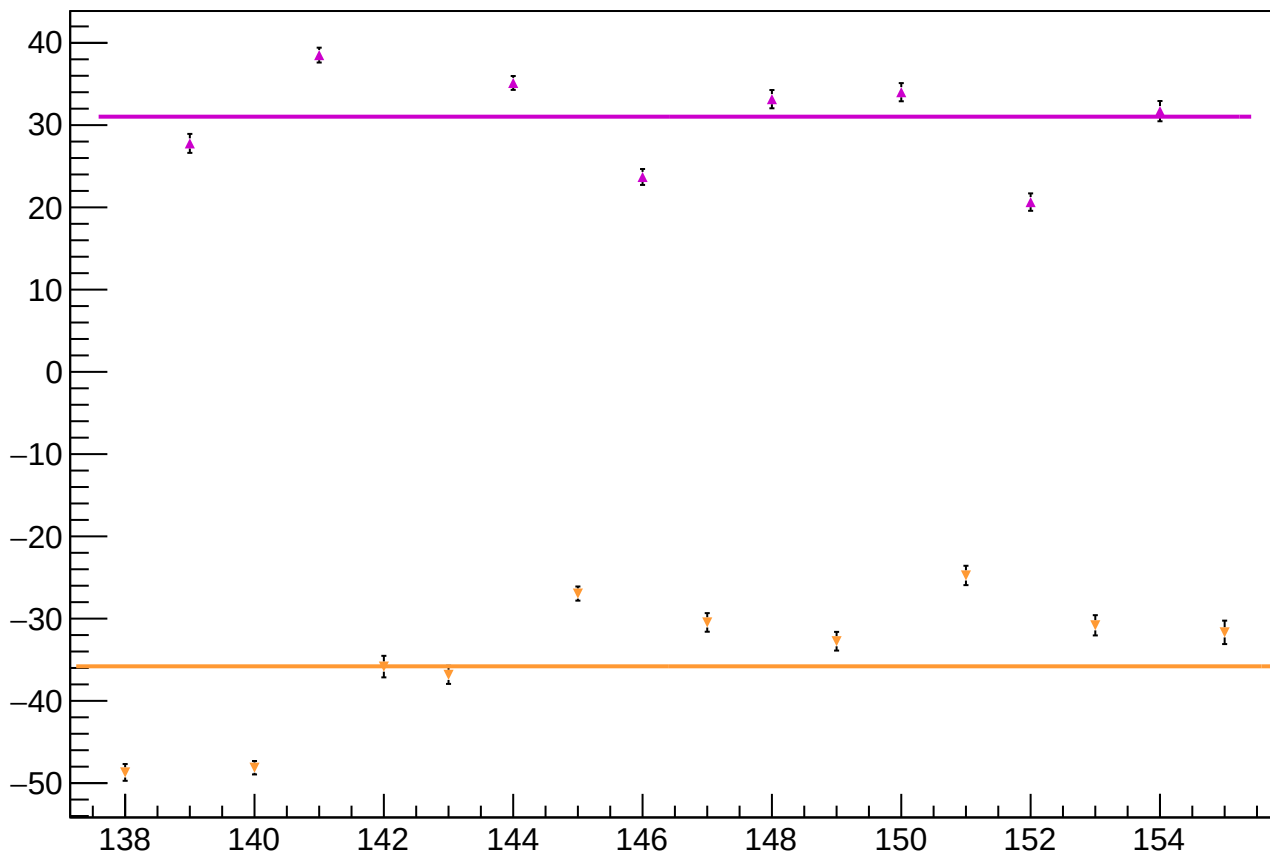
Left In: 0.091 ± 0.005 χ^2/NDF : 77.6/7

-0.028 ± 0.004 χ^2/NDF : 1720.9/26

0.002 ± 0.003 χ^2/NDF : 5378.6/54

0.034 ± 0.005 χ^2/NDF : 3564.5/27

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: -35.800+/-0.340 χ^2/NDF : 637.1/9

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

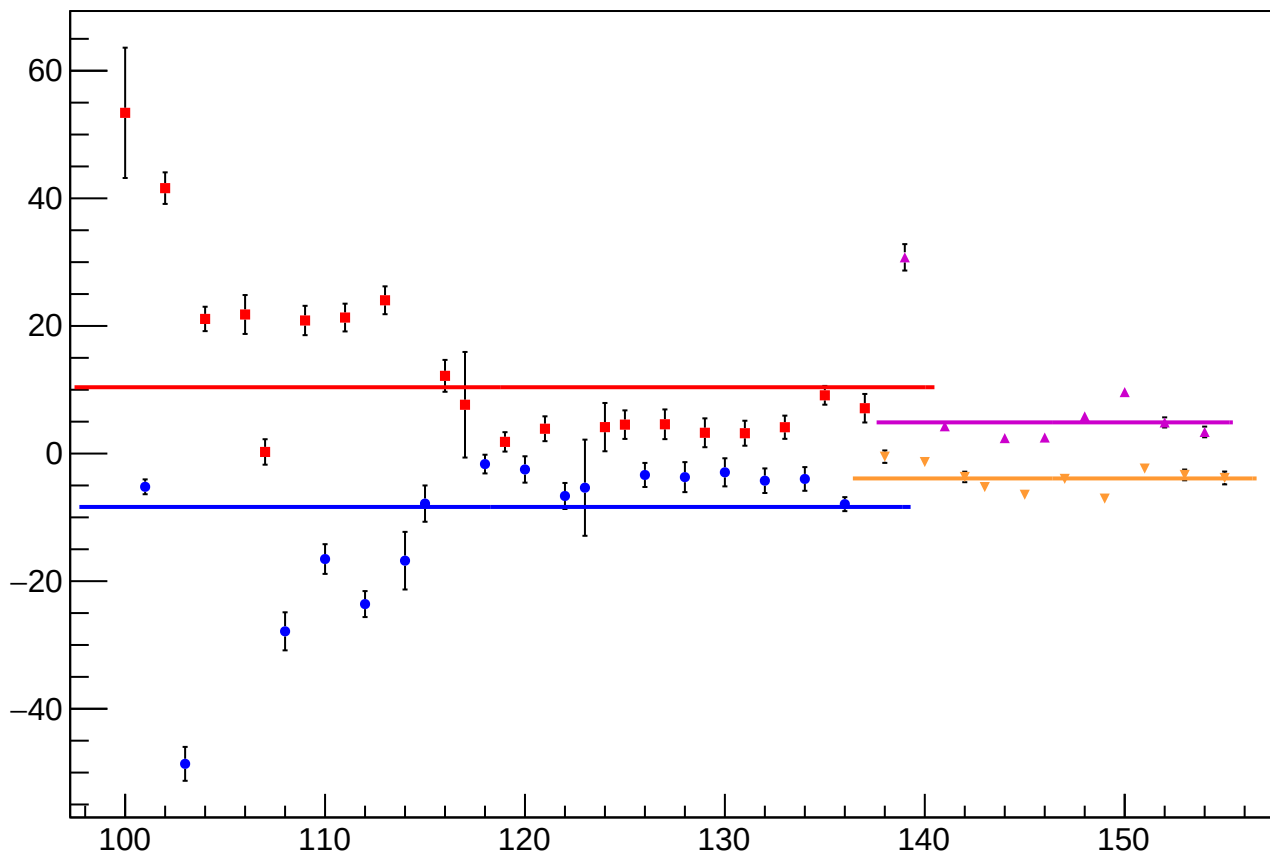
Left In: 31.027+/-0.362 χ^2/NDF : 265.0/7

-35.800+/-0.340 χ^2/NDF : 637.1/9

-4.472+/-0.248 χ^2/NDF : 19008.0/17

31.027+/-0.362 χ^2/NDF : 265.0/7

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: -3.900 ± 0.233 χ^2/NDF : 68.5/9

Right Out: 10.396 ± 0.490 χ^2/NDF : 430.4/19

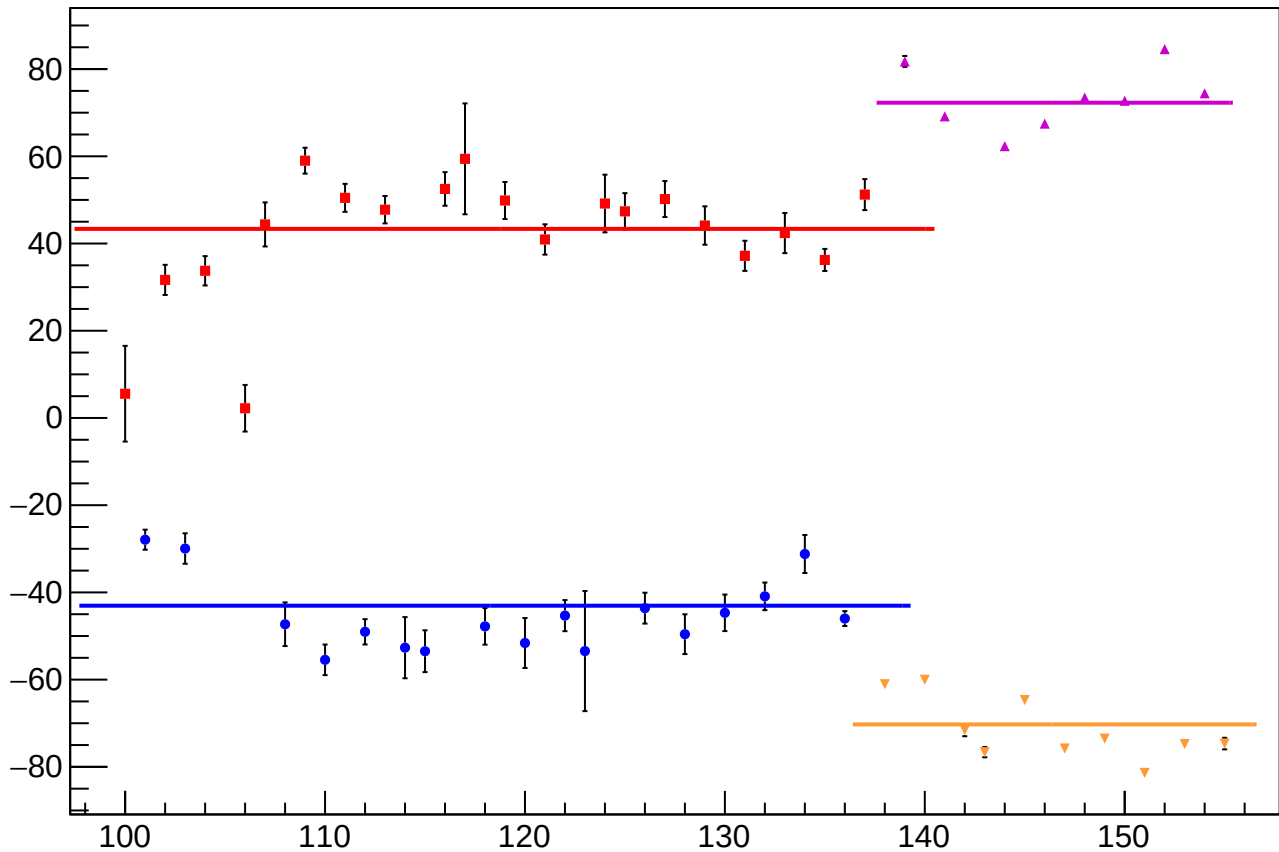
Left In: 4.887 ± 0.244 χ^2/NDF : 238.3/7

-4.791 ± 0.208 χ^2/NDF : 550.8/26

0.335 ± 0.151 χ^2/NDF : 2595.5/54

5.981 ± 0.218 χ^2/NDF : 769.9/27

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -43.047 $\pm$ 0.837 χ^2/NDF : 99.0/16

Left Out: -70.270 $\pm$ 0.344 χ^2/NDF : 435.9/9

Right Out: 43.357 $\pm$ 0.865 χ^2/NDF : 156.0/19

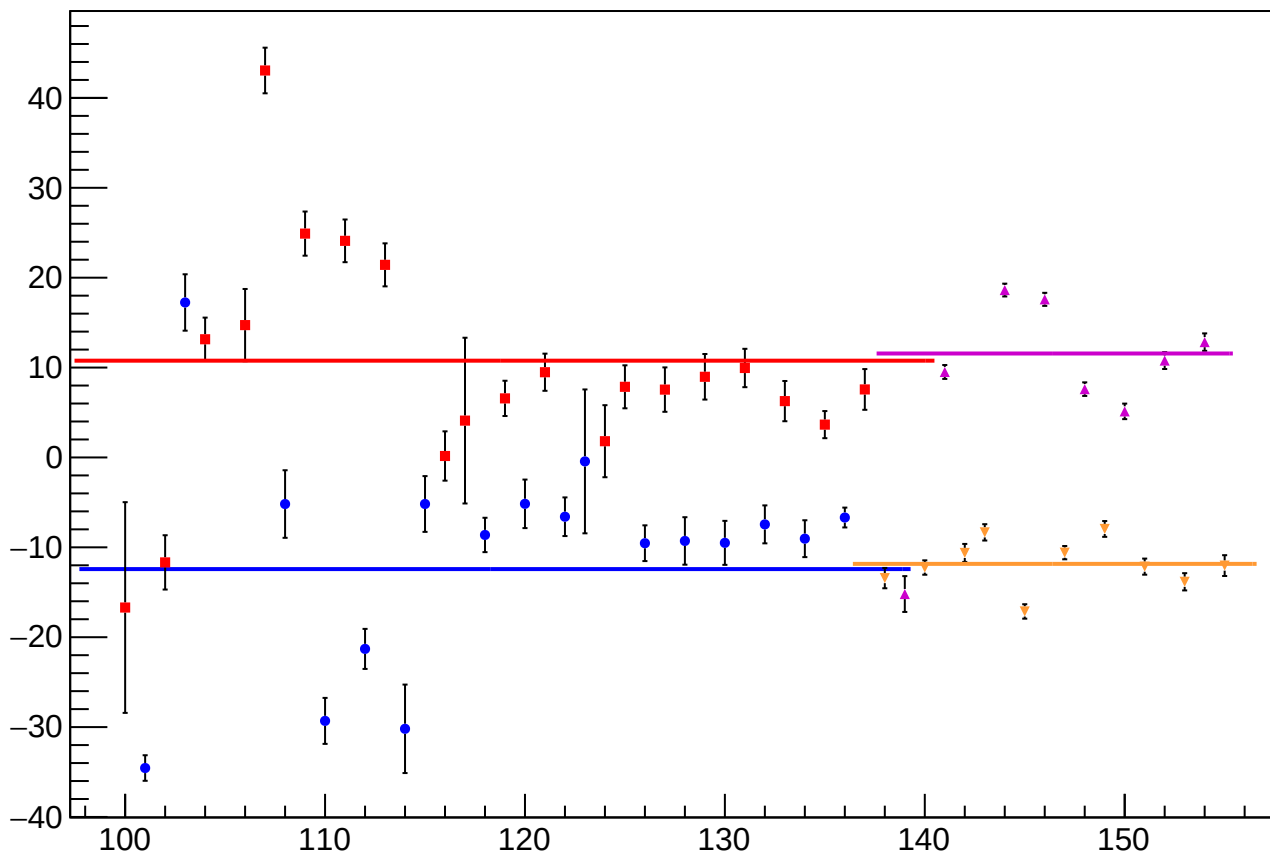
Left In: 72.291 $\pm$ 0.360 χ^2/NDF : 368.9/7

-66.346 $\pm$ 0.318 χ^2/NDF : 1439.6/26

-2.161 $\pm$ 0.230 χ^2/NDF : 88268.6/54

68.020 $\pm$ 0.332 χ^2/NDF : 1478.2/27

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: -11.841 ± 0.285 χ^2/NDF : 88.9/9

Right Out: 10.766 ± 0.553 χ^2/NDF : 366.3/19

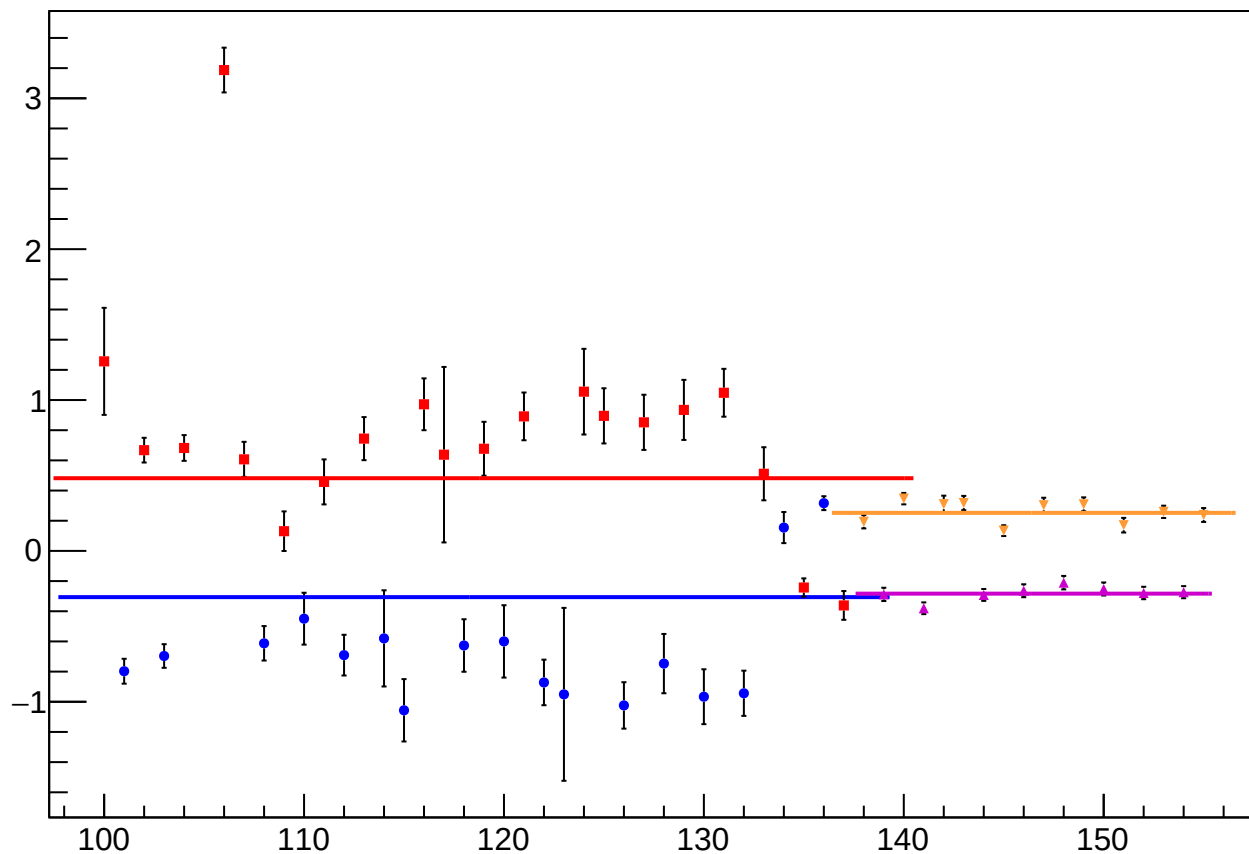
Left In: 11.565 ± 0.300 χ^2/NDF : 439.7/7

-11.974 ± 0.250 χ^2/NDF : 564.2/26

-0.914 ± 0.182 χ^2/NDF : 5494.8/54

11.383 ± 0.264 χ^2/NDF : 807.7/27

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.306 $\pm$ 0.028 χ^2/NDF : 371.7/16

Left Out: 0.252 $\pm$ 0.014 χ^2/NDF : 27.2/9

Right Out: 0.482 $\pm$ 0.029 χ^2/NDF : 628.3/19

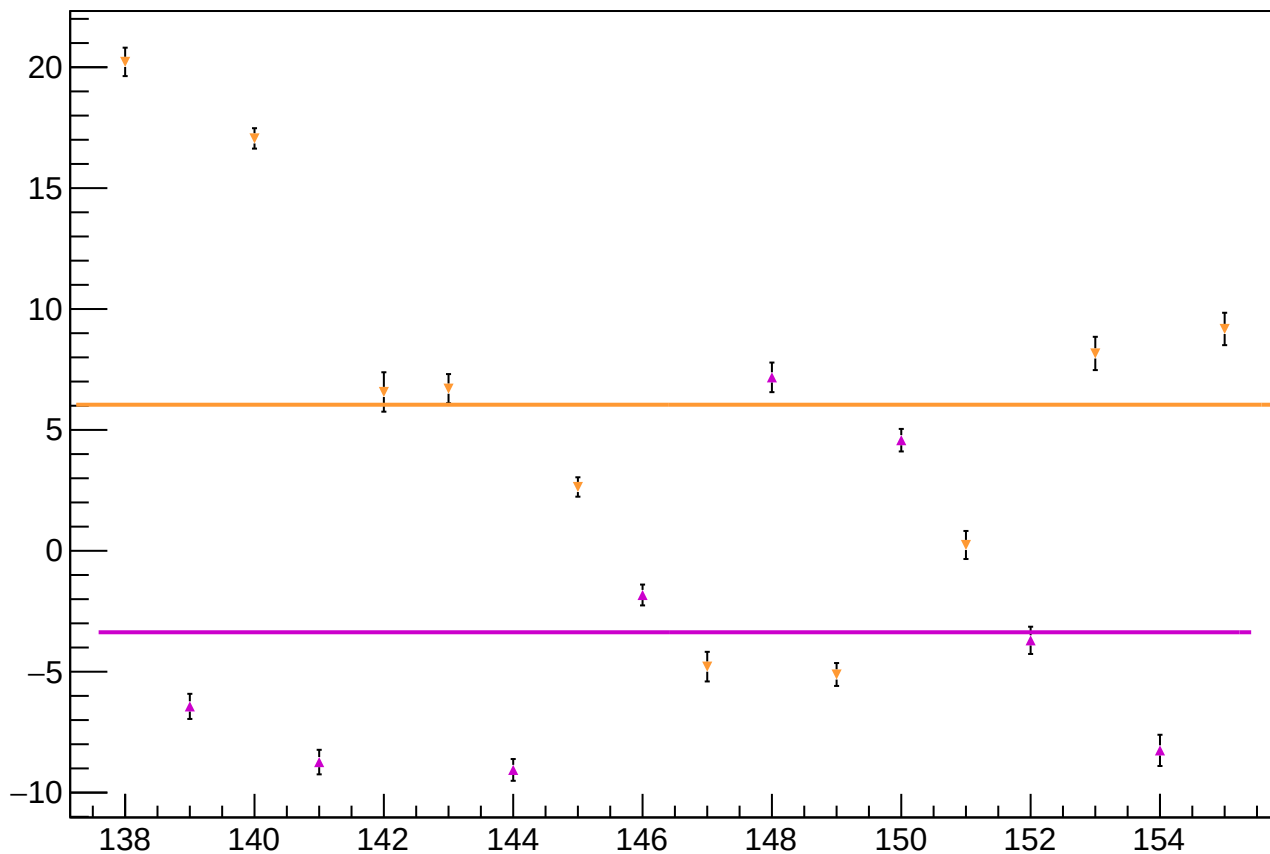
Left In: -0.283 $\pm$ 0.015 χ^2/NDF : 9.7/7

0.138 $\pm$ 0.012 χ^2/NDF : 725.5/26

0.014 $\pm$ 0.009 χ^2/NDF : 2138.4/54

-0.123 $\pm$ 0.013 χ^2/NDF : 1204.9/27

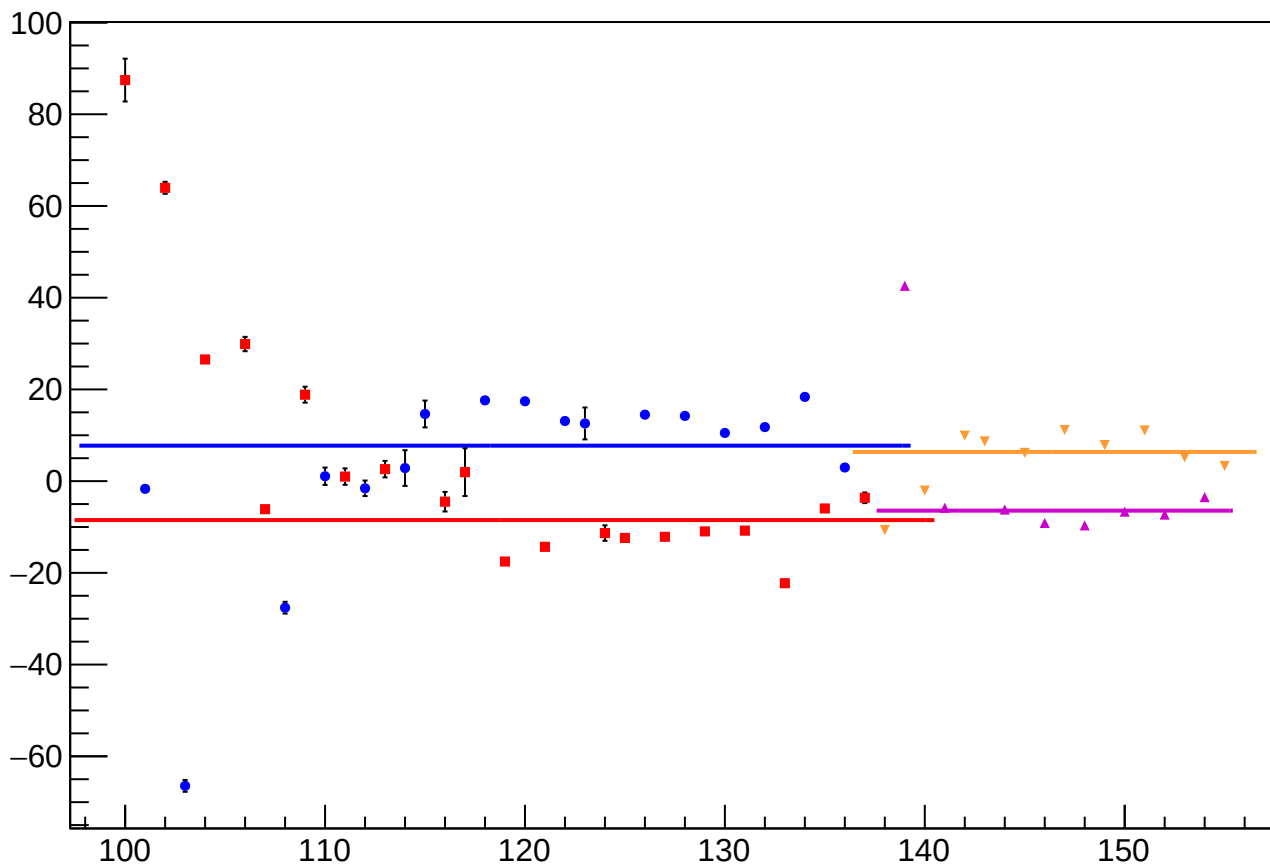
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 6.042+/-0.173 χ^2/NDF : 2335.4/9
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.369+/-0.180 χ^2/NDF : 964.4/7

6.042+/-0.173 χ^2/NDF : 2335.4/9
 1.533+/-0.125 χ^2/NDF : 4717.2/17
 -3.369+/-0.180 χ^2/NDF : 964.4/7

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: 6.368 ± 0.120 χ^2/NDF : 1996.8/9

Right Out: -8.496 ± 0.213 χ^2/NDF : 6723.5/19

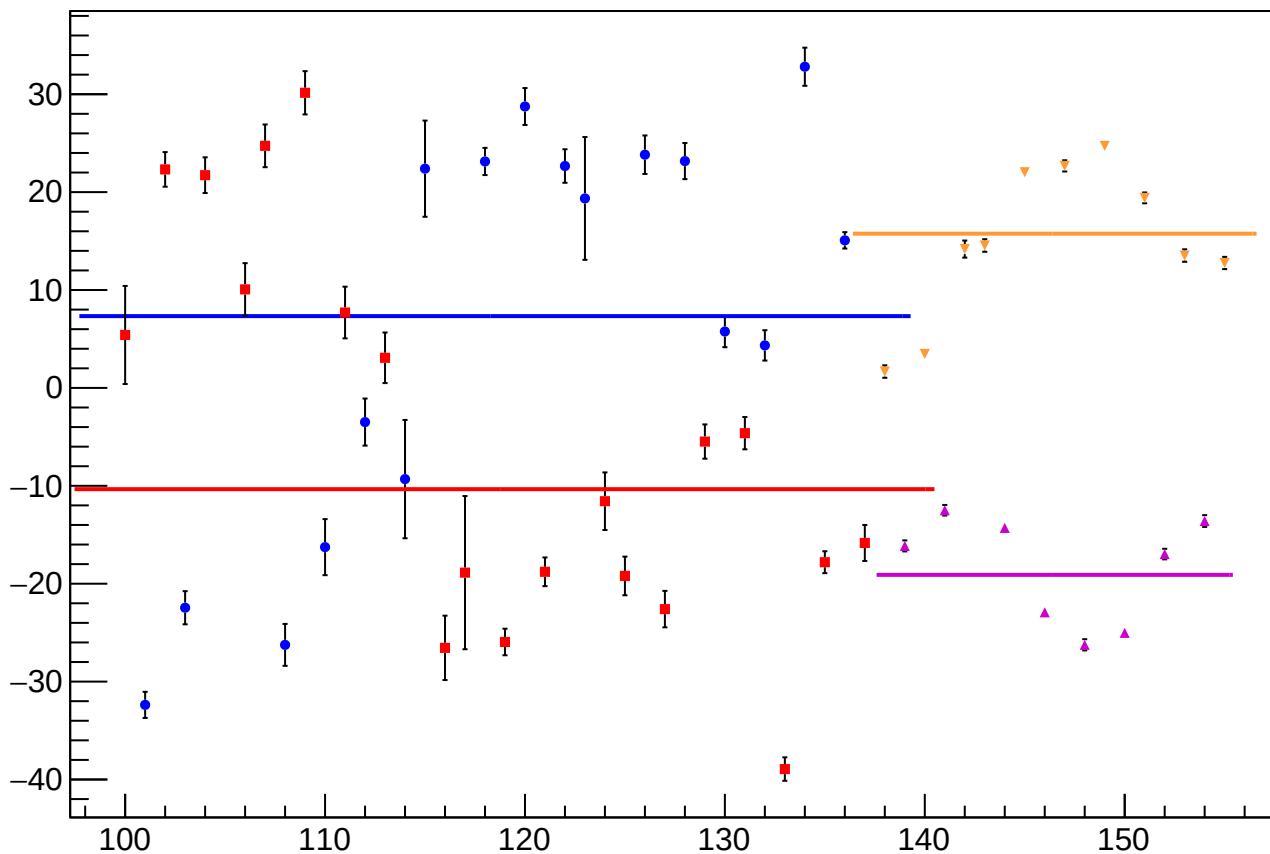
Left In: -6.434 ± 0.126 χ^2/NDF : 2952.5/7

6.687 ± 0.105 χ^2/NDF : 7327.7/26

0.067 ± 0.076 χ^2/NDF : 25240.3/54

-6.969 ± 0.108 χ^2/NDF : 9745.3/27

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 7.333 ± 0.419 χ^2/NDF : 2293.1/16

Left Out: 15.757 ± 0.174 χ^2/NDF : 2095.3/9

Right Out: -10.342 ± 0.416 χ^2/NDF : 2282.7/19

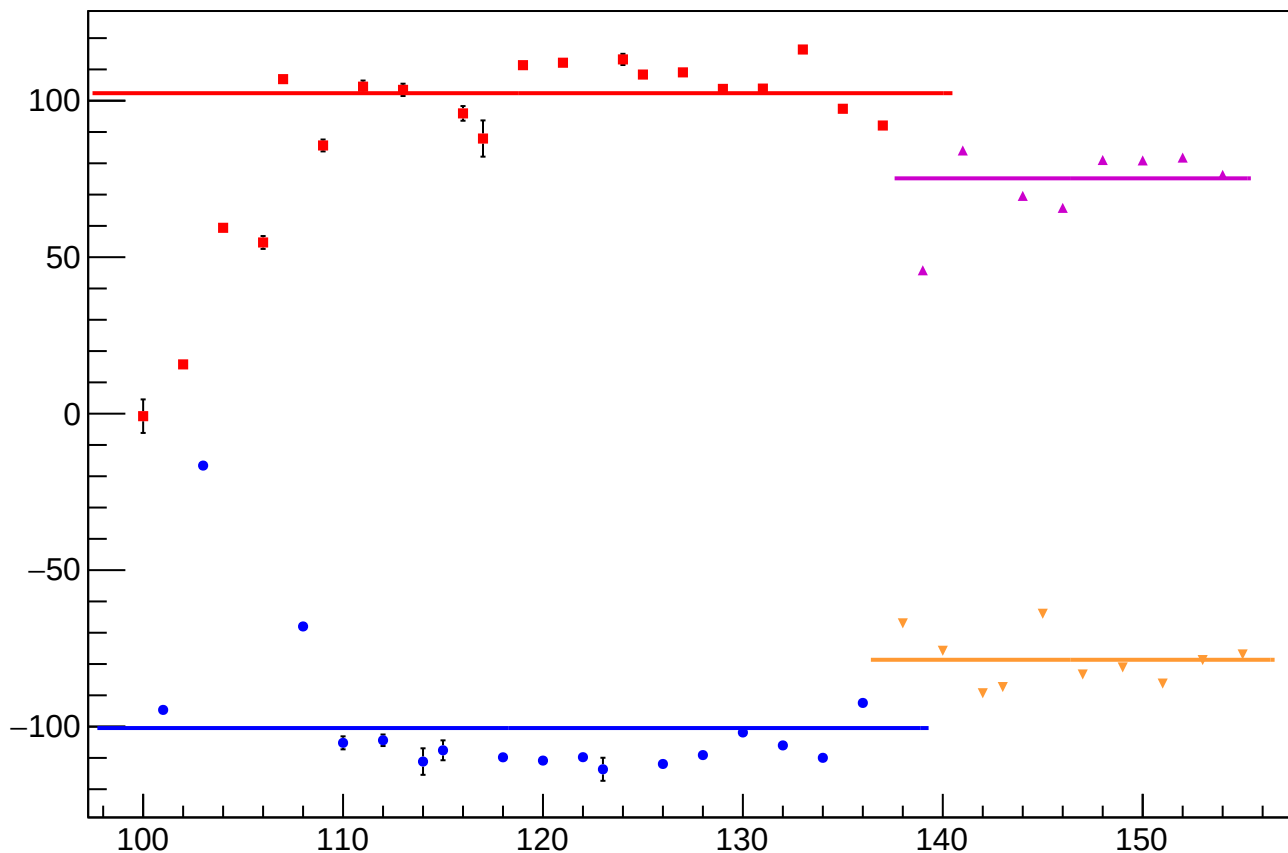
Left In: -19.096 ± 0.179 χ^2/NDF : 800.5/7

14.518 ± 0.161 χ^2/NDF : 4733.8/26

-1.222 ± 0.115 χ^2/NDF : 27892.3/54

-17.731 ± 0.164 χ^2/NDF : 3456.5/27

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -100.457 $\pm$ 0.251 χ^2 /NDF: 4461.1/16

Left Out: -78.641 $\pm$ 0.146 χ^2 /NDF:2932.0/9

Right Out: 102.405 $\pm$ 0.246 χ^2 /NDF: 6100.6/19

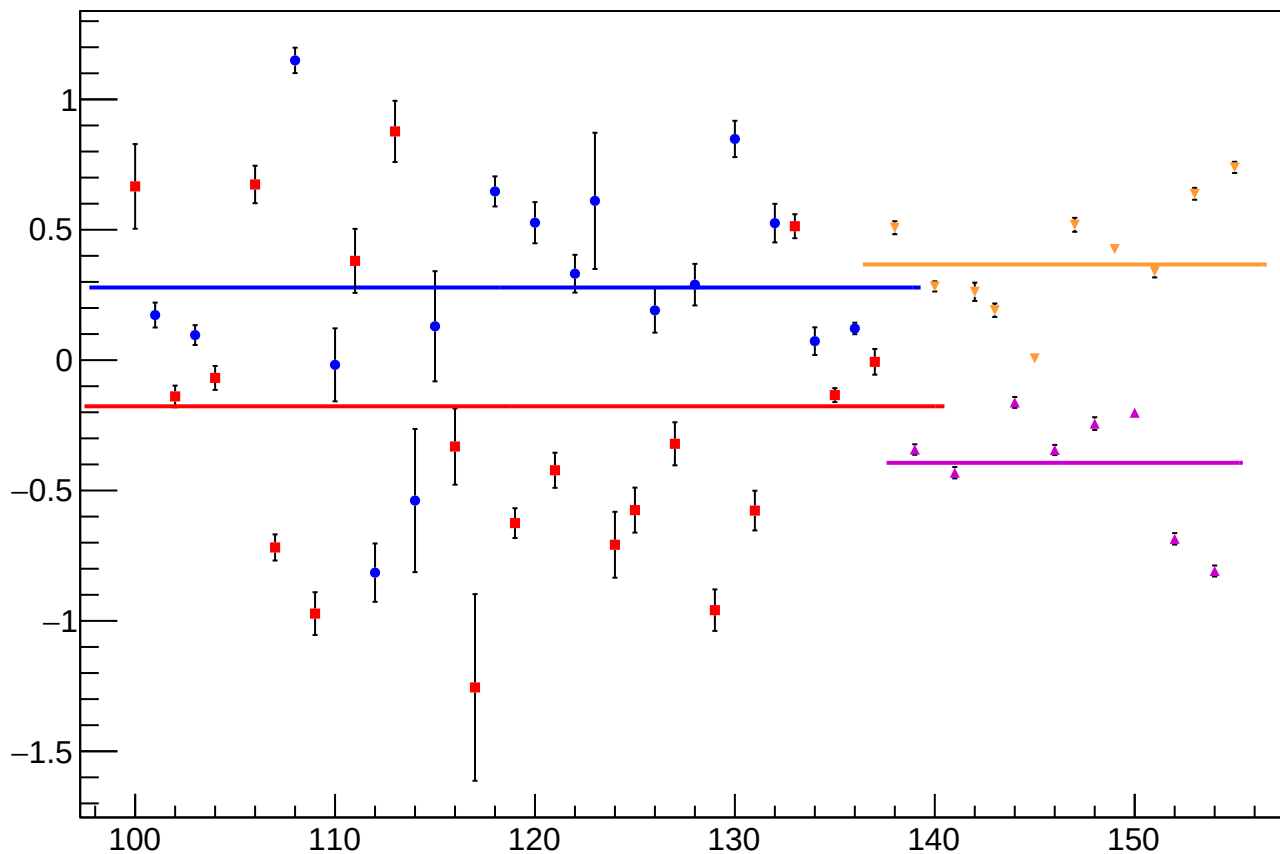
Left In: 75.194 $\pm$ 0.153 χ^2 /NDF:3052.1/7

-84.168 $\pm$ 0.126 χ^2 /NDF: 13045.2/26

-3.055 $\pm$ 0.090 χ^2 /NDF: 881153.4/54

82.770 $\pm$ 0.130 χ^2 /NDF: 17978.8/27

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: 0.367 ± 0.007 χ^2/NDF : 1055.8/9

Right Out: -0.177 ± 0.013 χ^2/NDF : 976.8/19

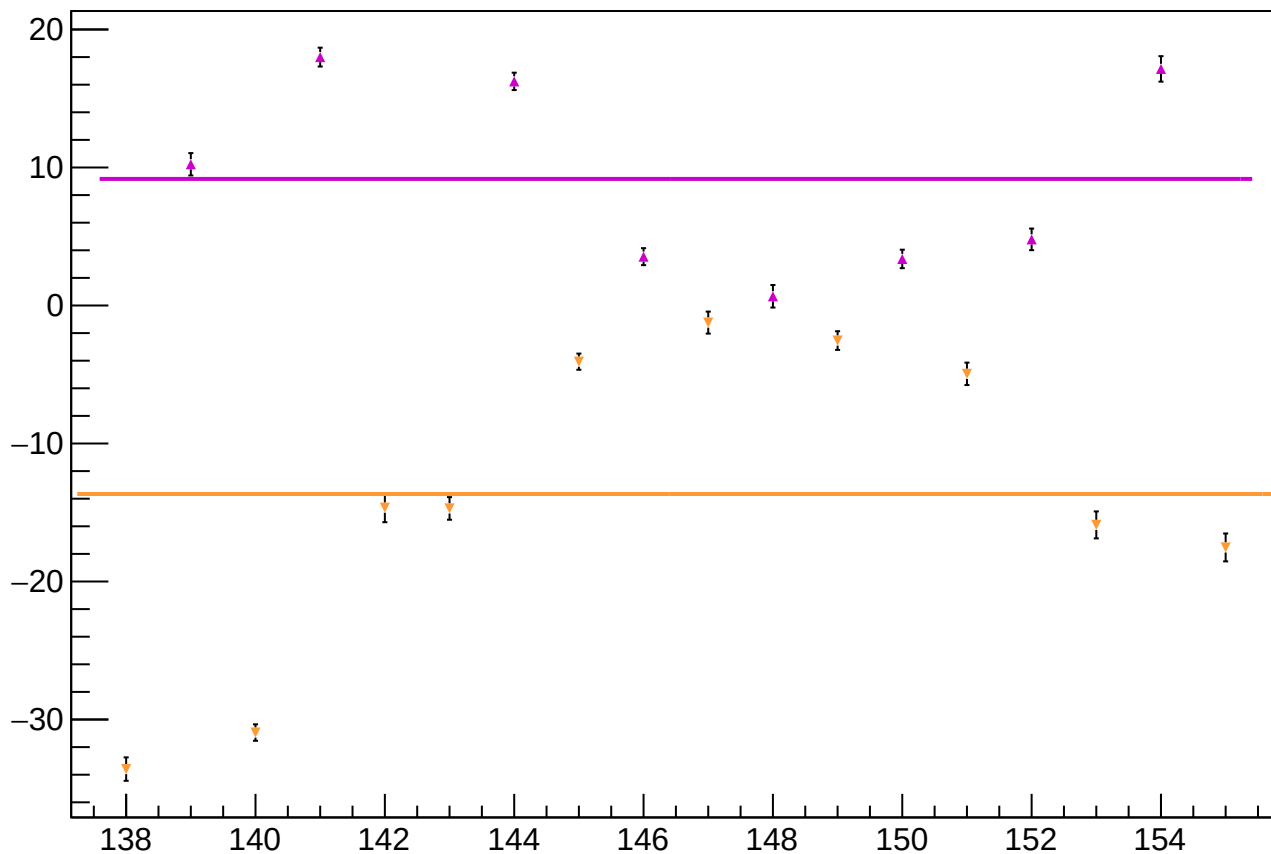
Left In: -0.394 ± 0.007 χ^2/NDF : 854.5/7

0.348 ± 0.006 χ^2/NDF : 1743.4/26

0.012 ± 0.004 χ^2/NDF : 9717.2/54

-0.344 ± 0.006 χ^2/NDF : 2031.0/27

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: -13.660+/-0.244 χ^2/NDF : 2308.8/9

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

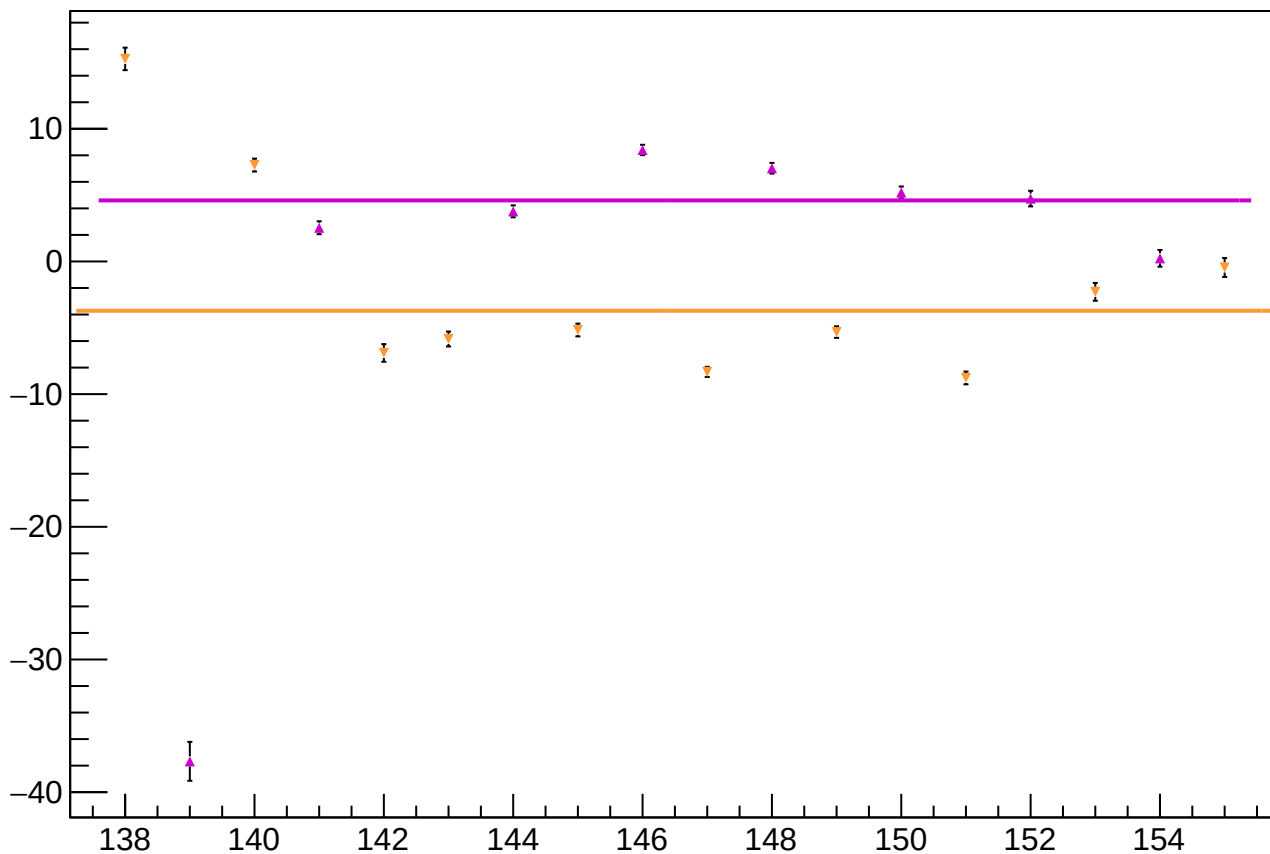
Left In: 9.172+/-0.255 χ^2/NDF : 667.4/7

-13.660+/-0.244 χ^2/NDF : 2308.8/9

-2.755+/-0.176 χ^2/NDF : 7158.7/17

9.172+/-0.255 χ^2/NDF : 667.4/7

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: -3.716+/-0.167 χ^2/NDF : 1348.2/9

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

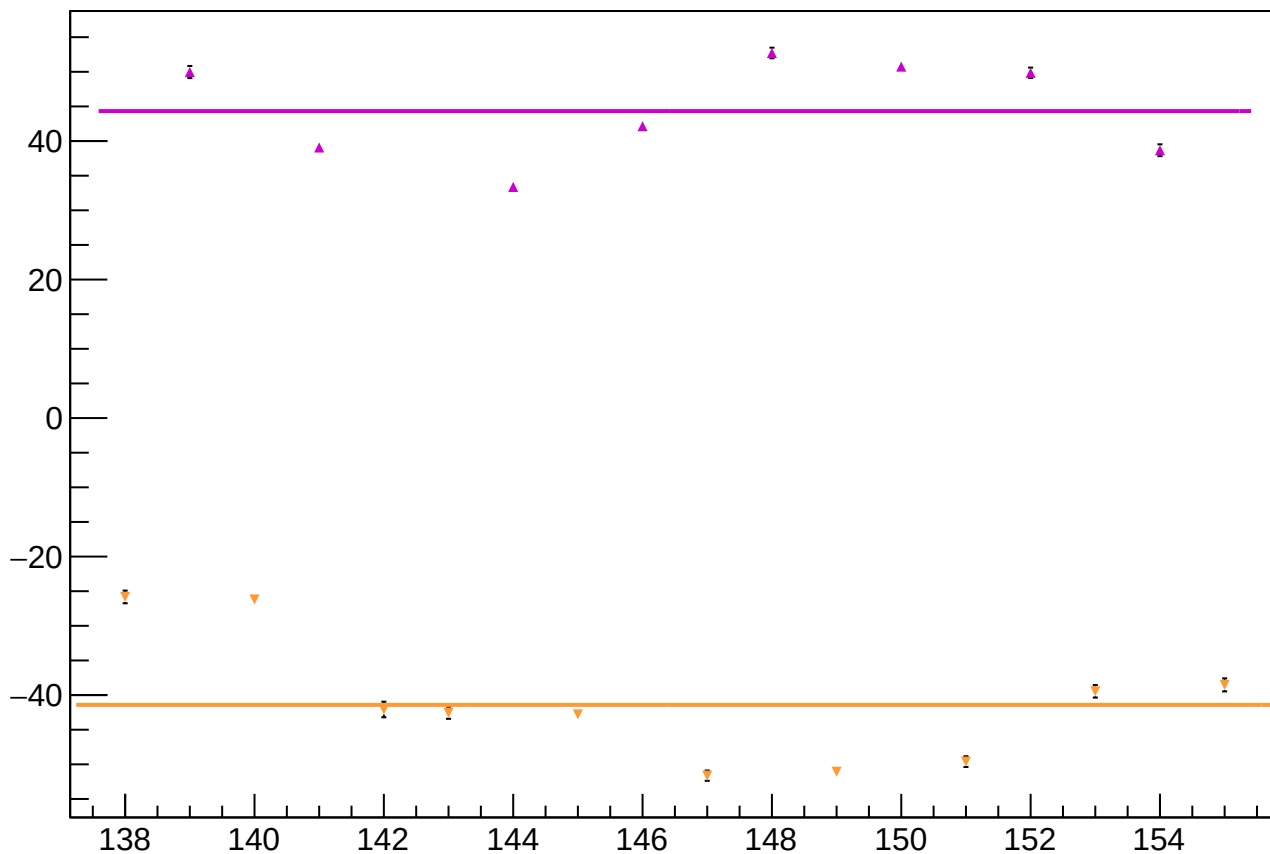
Left In: 4.602+/-0.175 χ^2/NDF : 1033.7/7

-3.716+/-0.167 χ^2/NDF : 1348.2/9

0.247+/-0.121 χ^2/NDF : 3565.2/17

4.602+/-0.175 χ^2/NDF : 1033.7/7

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: -41.414+/-0.245 χ^2/NDF : 1414.4/9

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

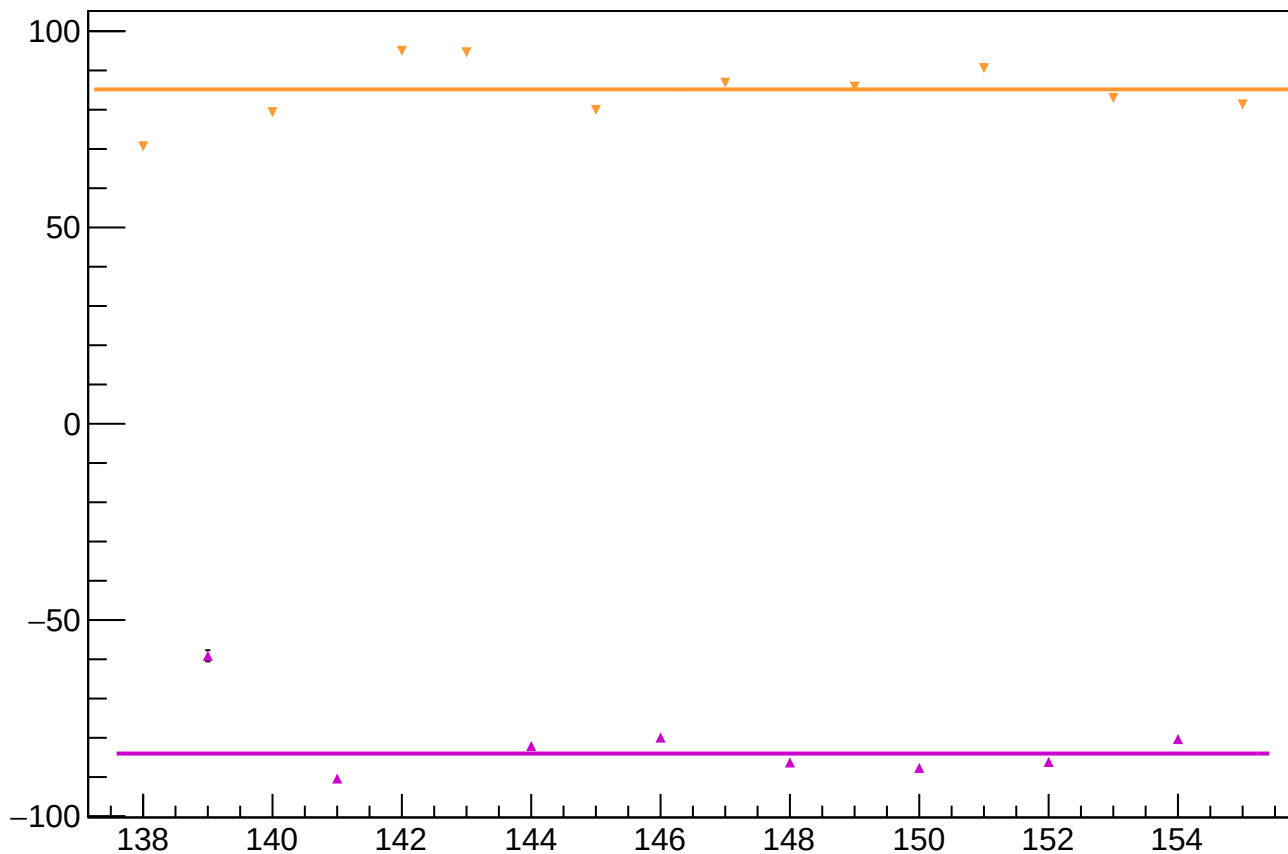
Left In: 44.328+/-0.253 χ^2/NDF : 693.4/7

-41.414+/-0.245 χ^2/NDF : 1414.4/9

0.115+/-0.176 χ^2/NDF : 61423.5/17

44.328+/-0.253 χ^2/NDF : 693.4/7

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: 85.176+/-0.204 χ^2/NDF : 871.3/9

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

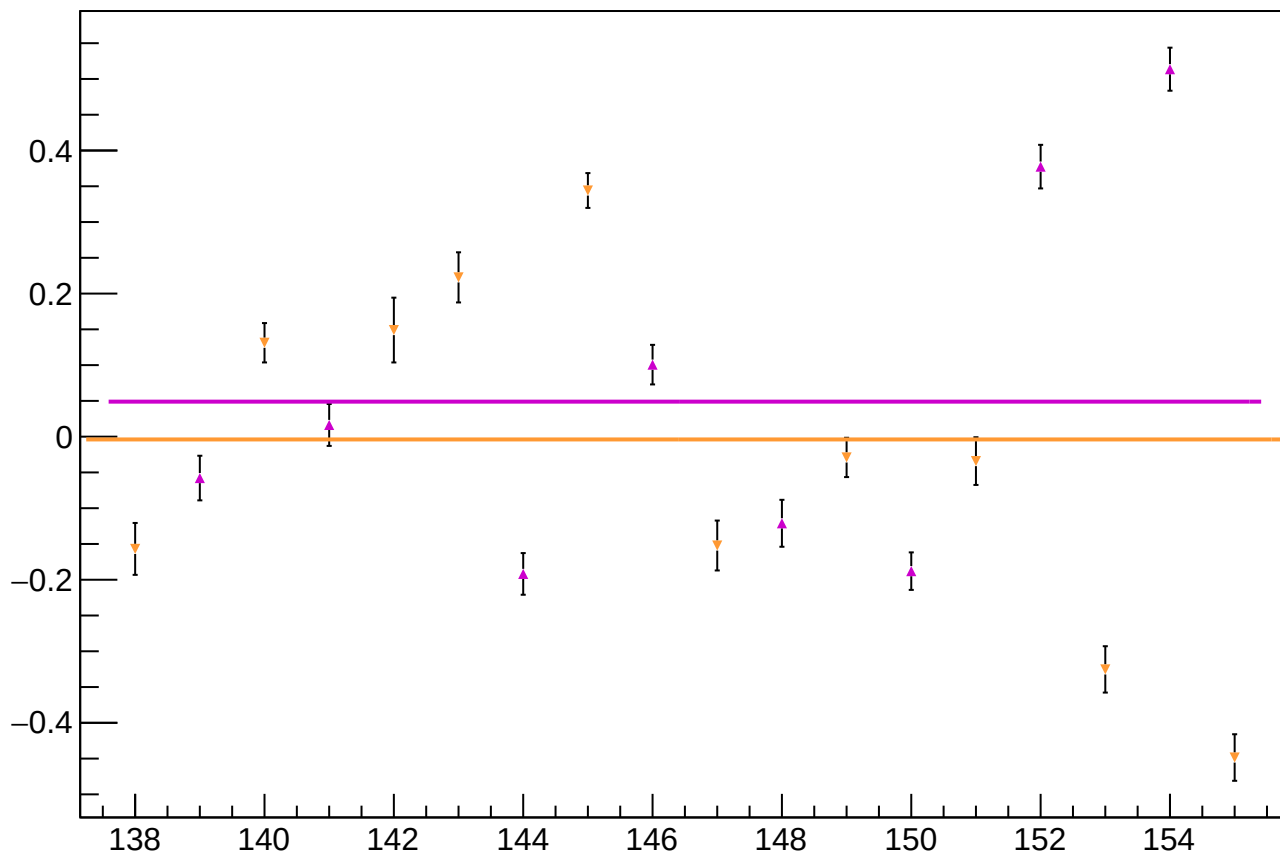
Left In: -84.009+/-0.213 χ^2/NDF : 611.9/7

85.176+/-0.204 χ^2/NDF : 871.3/9

4.324+/-0.147 χ^2/NDF : 329879.8/17

-84.009+/-0.213 χ^2/NDF : 611.9/7

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: -0.004+/-0.010 χ^2/NDF : 604.3/9

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

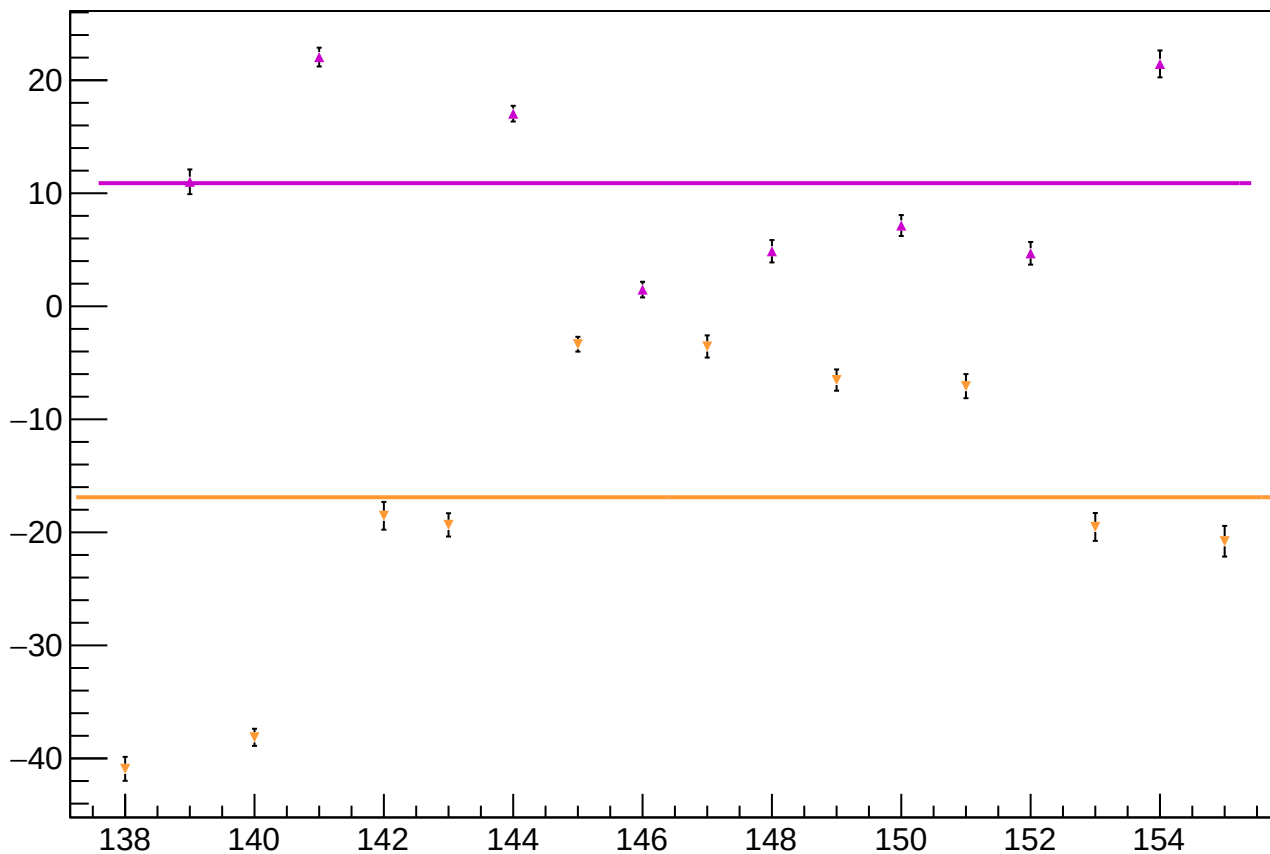
Left In: 0.049+/-0.010 χ^2/NDF : 548.0/7

-0.004+/-0.010 χ^2/NDF : 604.3/9

0.021+/-0.007 χ^2/NDF : 1165.8/17

0.049+/-0.010 χ^2/NDF : 548.0/7

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: -16.893+/-0.304 χ^2/NDF : 2141.5/9

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

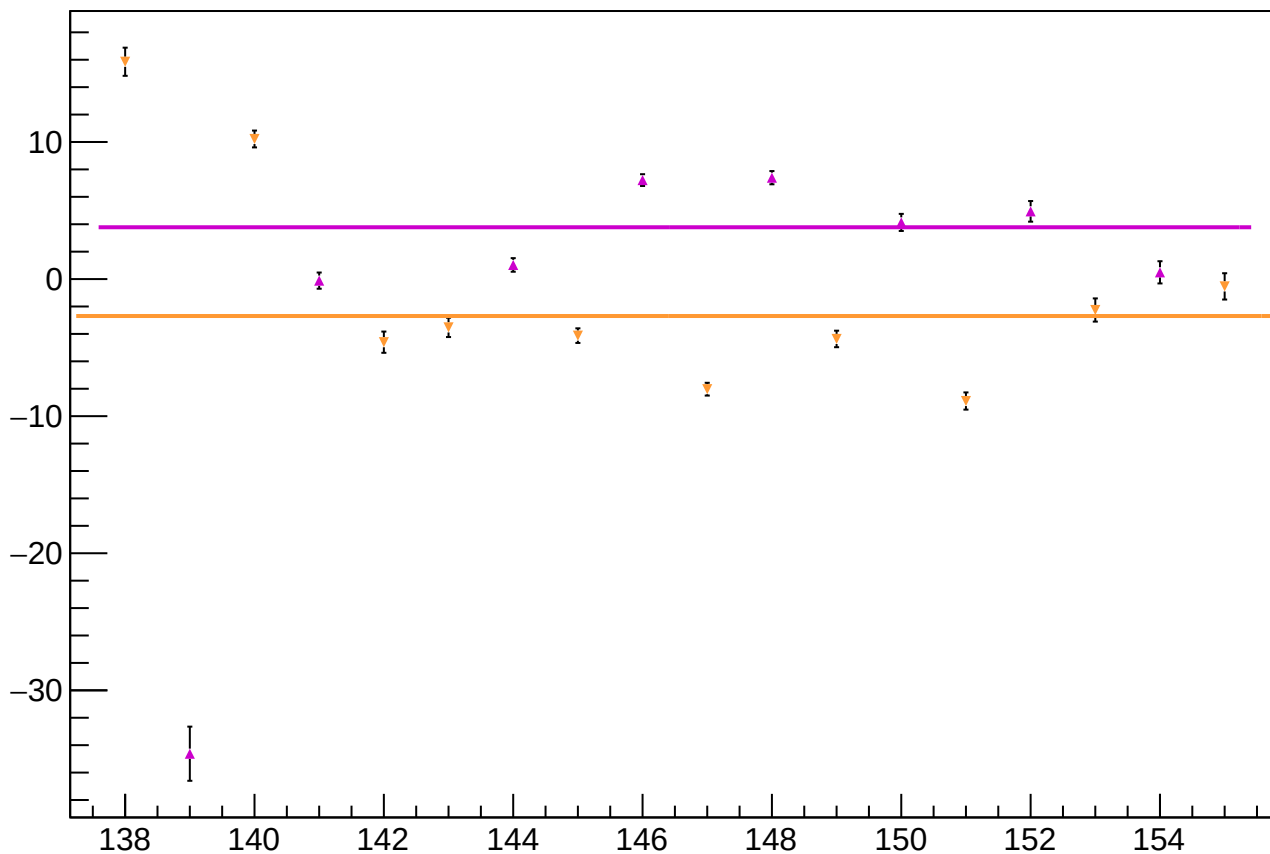
Left In: 10.895+/-0.311 χ^2/NDF : 612.8/7

-16.893+/-0.304 χ^2/NDF : 2141.5/9

-3.331+/-0.217 χ^2/NDF : 6833.1/17

10.895+/-0.311 χ^2/NDF : 612.8/7

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: -2.695+/-0.208 χ^2/NDF : 1024.0/9

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

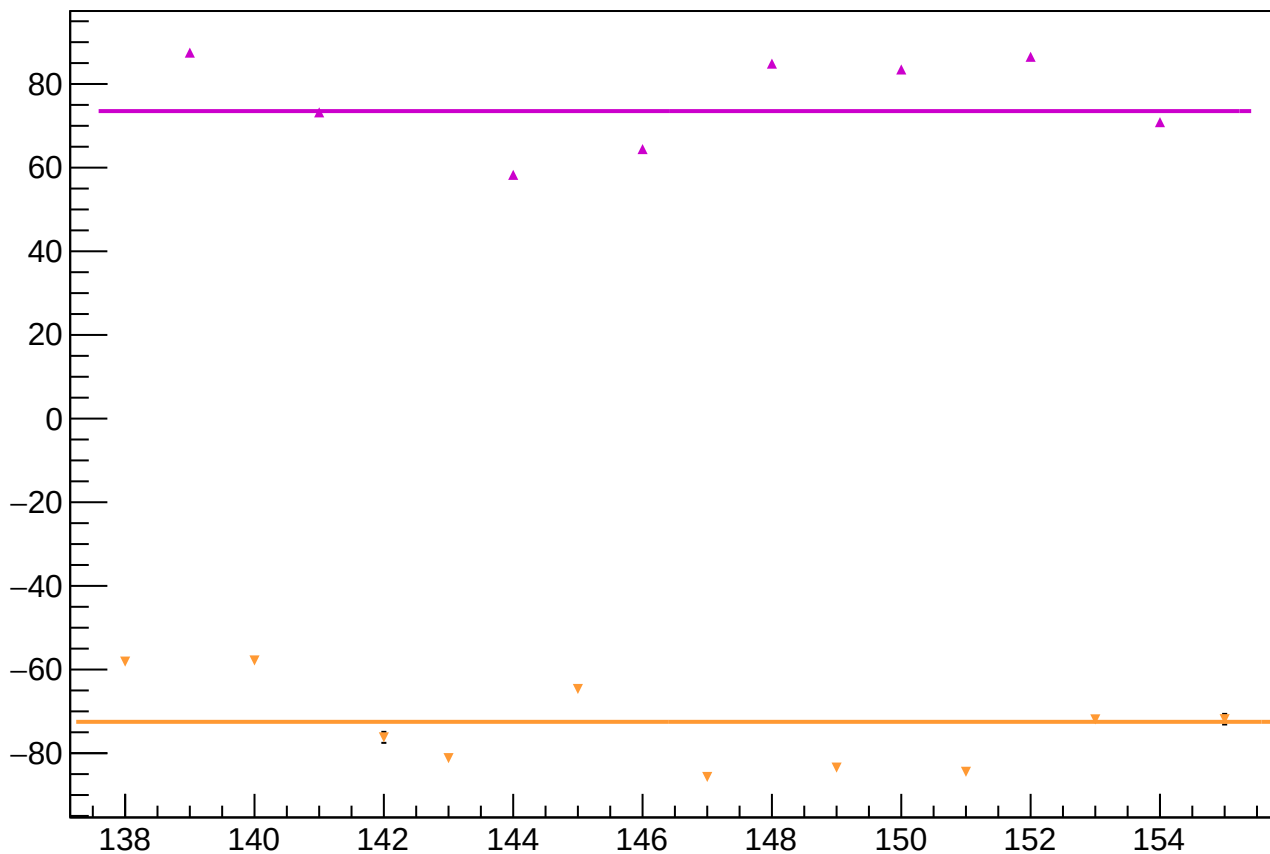
Left In: 3.780+/-0.210 χ^2/NDF : 591.6/7

-2.695+/-0.208 χ^2/NDF : 1024.0/9

0.516+/-0.148 χ^2/NDF : 2096.8/17

3.780+/-0.210 χ^2/NDF : 591.6/7

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -72.500+/-0.307 χ^2/NDF :1186.6/9

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

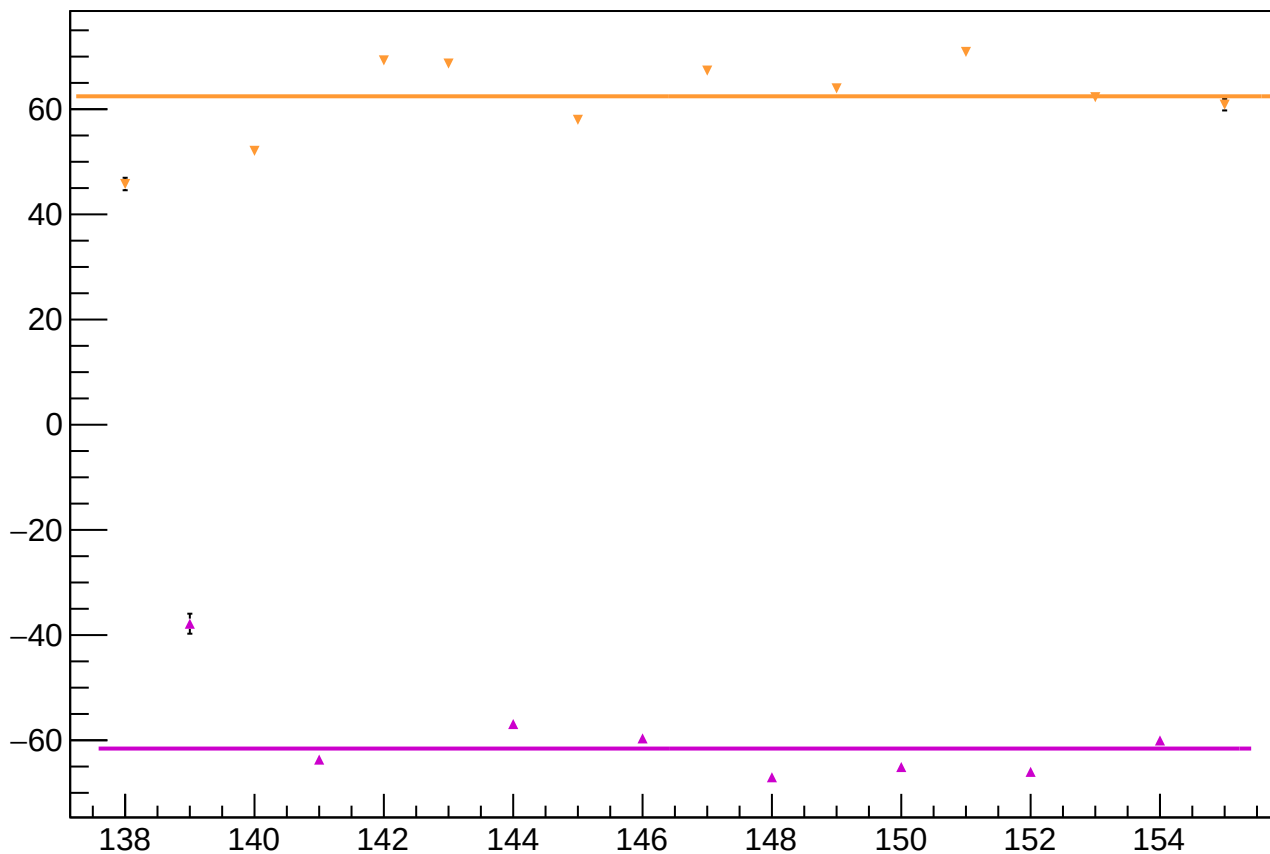
Left In: 73.519+/-0.309 χ^2/NDF :1215.0/7

-72.500+/-0.307 χ^2/NDF : 1186.6/9

-0.053+/-0.218 χ^2/NDF : 114658.7/17

73.519+/-0.309 χ^2/NDF : 1215.0/7

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: 62.452+/-0.255 χ^2/NDF : 725.4/9

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

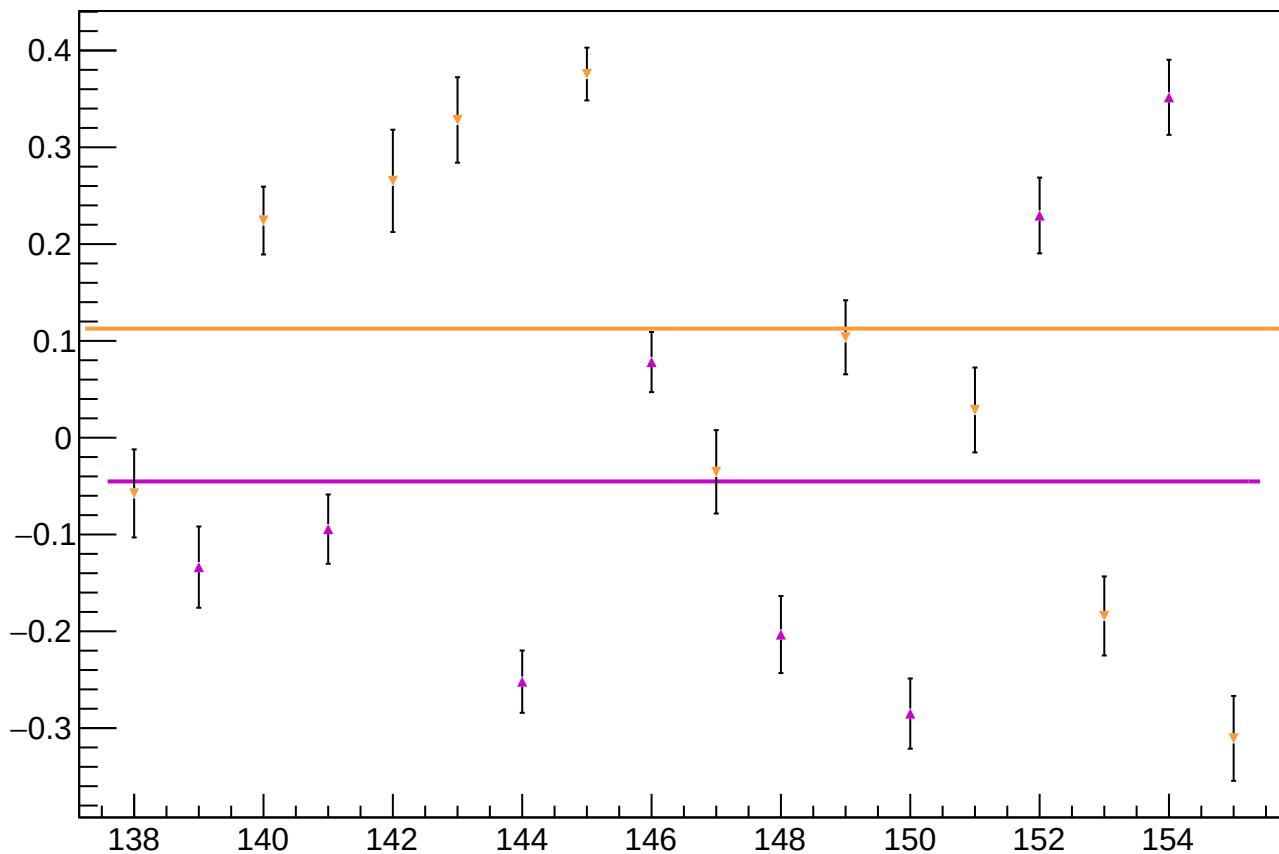
Left In: -61.578+/-0.257 χ^2/NDF : 356.7/7

62.452+/-0.255 χ^2/NDF : 725.4/9

1.134+/-0.181 χ^2/NDF : 118412.5/17

-61.578+/-0.257 χ^2/NDF : 356.7/7

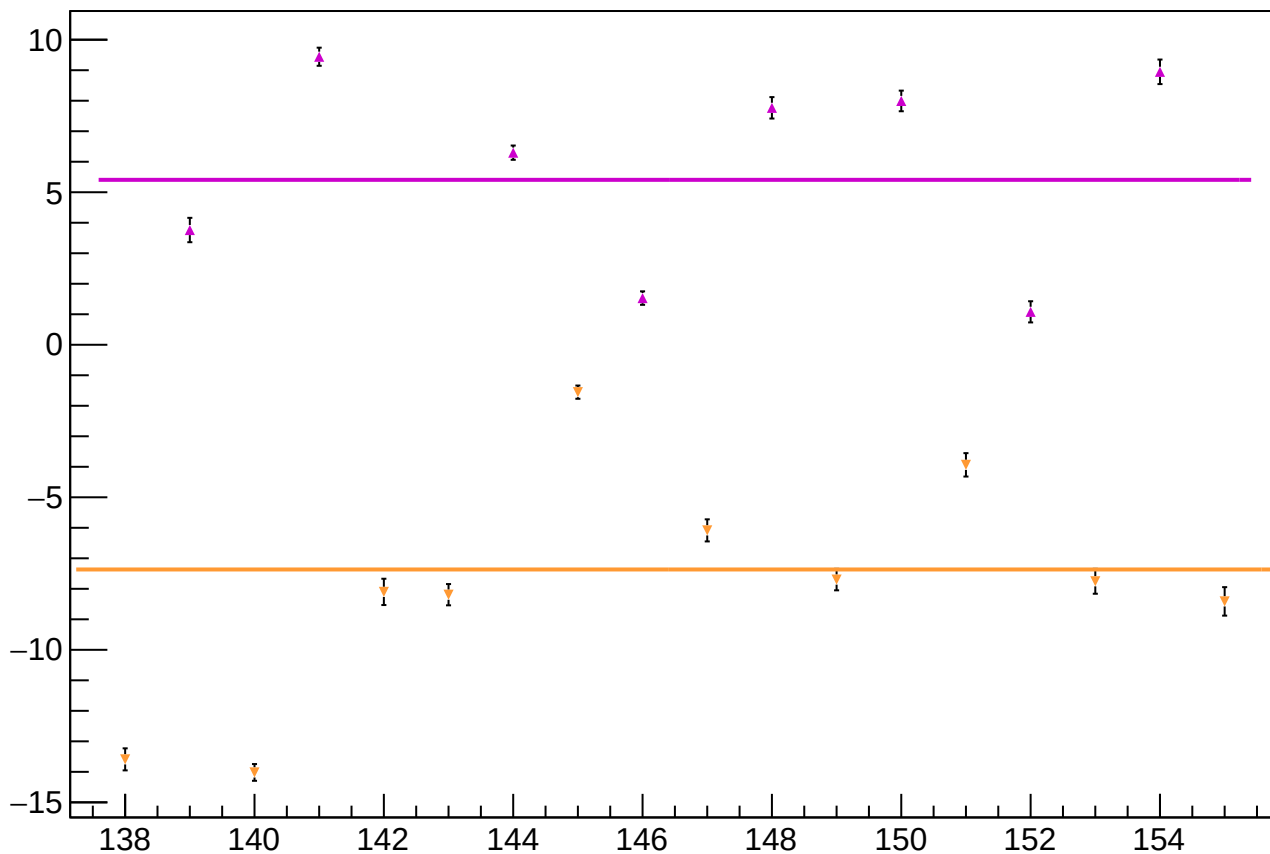
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.113+/-0.013 χ^2/NDF : 311.0/9
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.045+/-0.013 χ^2/NDF : 276.9/7

0.113+/-0.013 χ^2/NDF : 311.0/9
 0.036+/-0.009 χ^2/NDF : 665.4/17
 -0.045+/-0.013 χ^2/NDF : 276.9/7

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: -7.366+/-0.106 χ^2/NDF : 1708.5/9

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

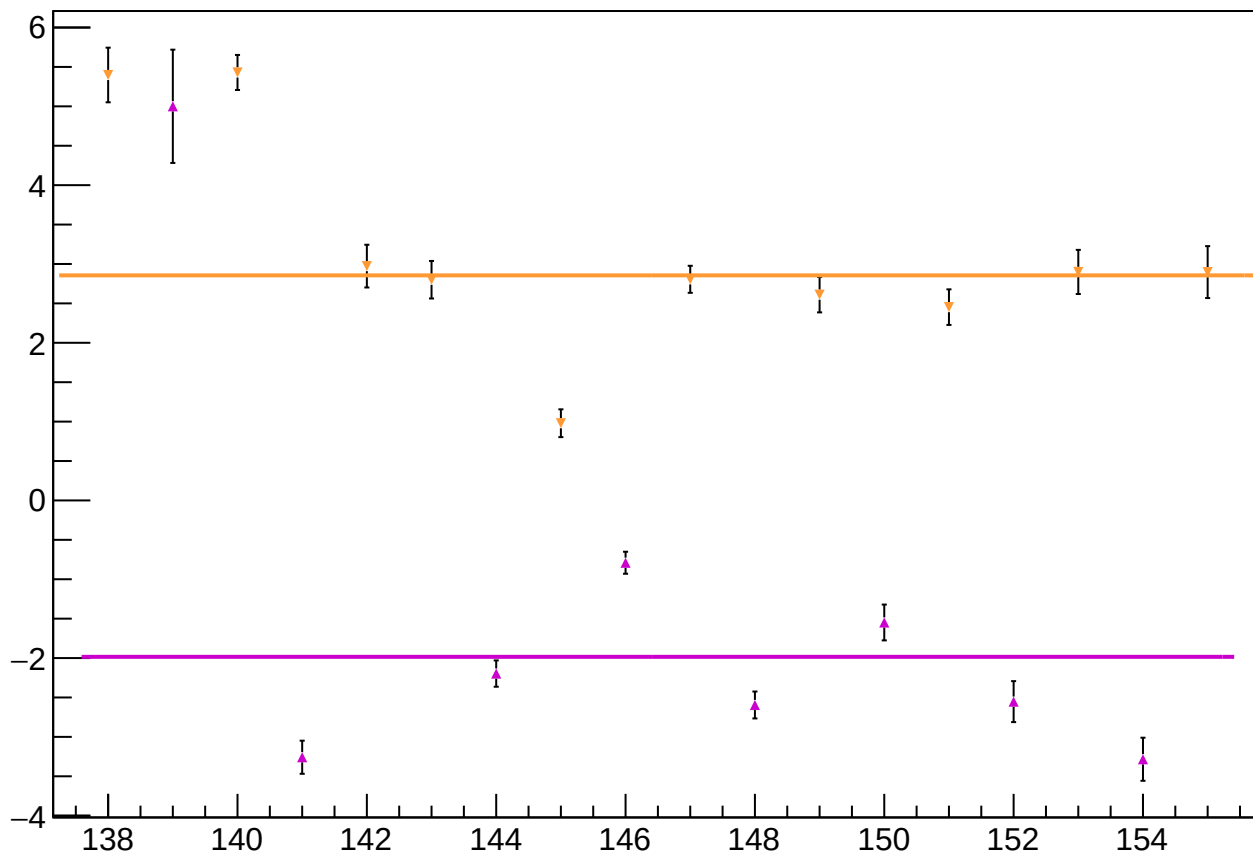
Left In: 5.407+/-0.107 χ^2/NDF : 860.8/7

-7.366+/-0.106 χ^2/NDF : 1708.5/9

-1.020+/-0.075 χ^2/NDF : 9768.9/17

5.407+/-0.107 χ^2/NDF : 860.8/7

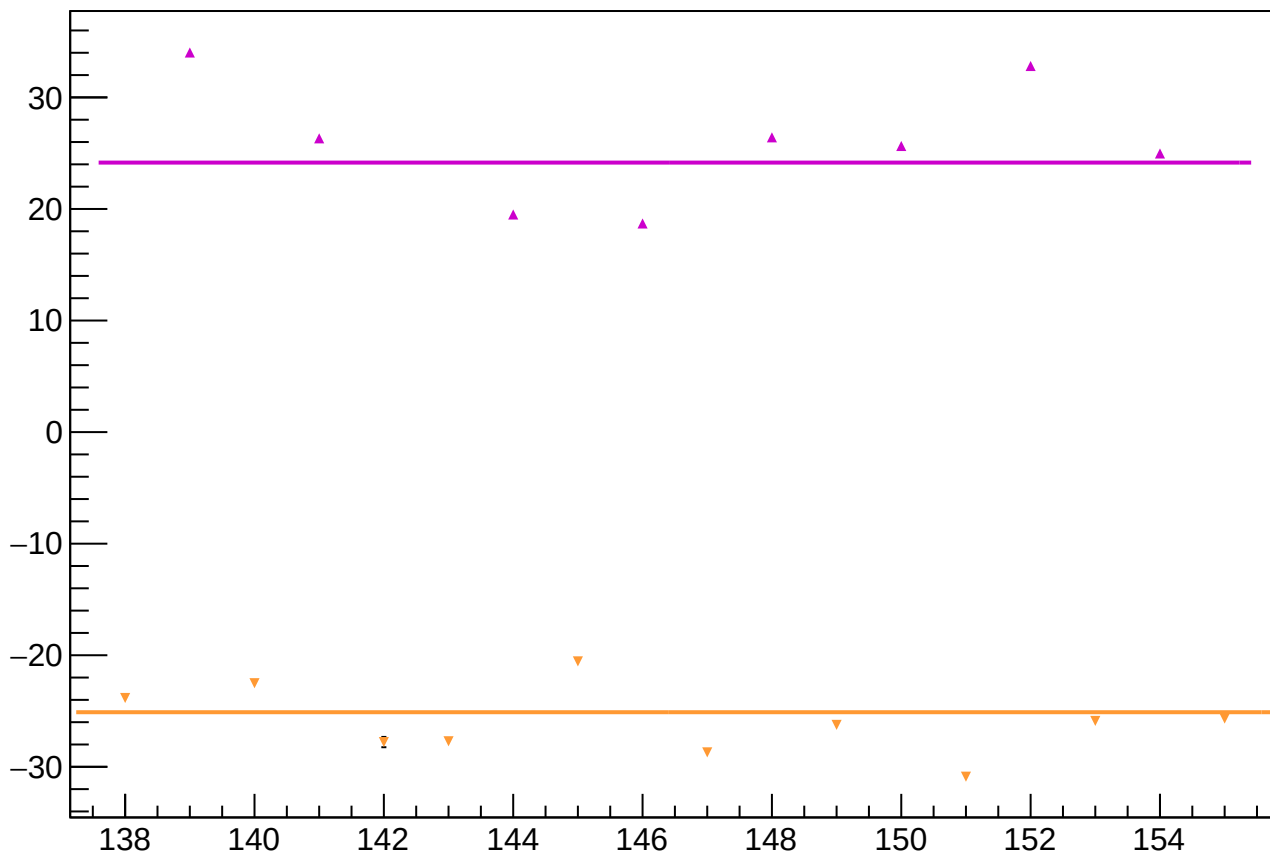
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 2.856 $\pm$ 0.073 χ^2 /NDF:305.9/9
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -1.984 $\pm$ 0.072 χ^2 /NDF:249.8/7

2.856 $\pm$ 0.073 χ^2 /NDF: 305.9/9
 0.396 $\pm$ 0.051 χ^2 /NDF: 2786.6/17
 -1.984 $\pm$ 0.072 χ^2 /NDF: 249.8/7

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: -25.106+/-0.107 χ^2/NDF : 941.8/9

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

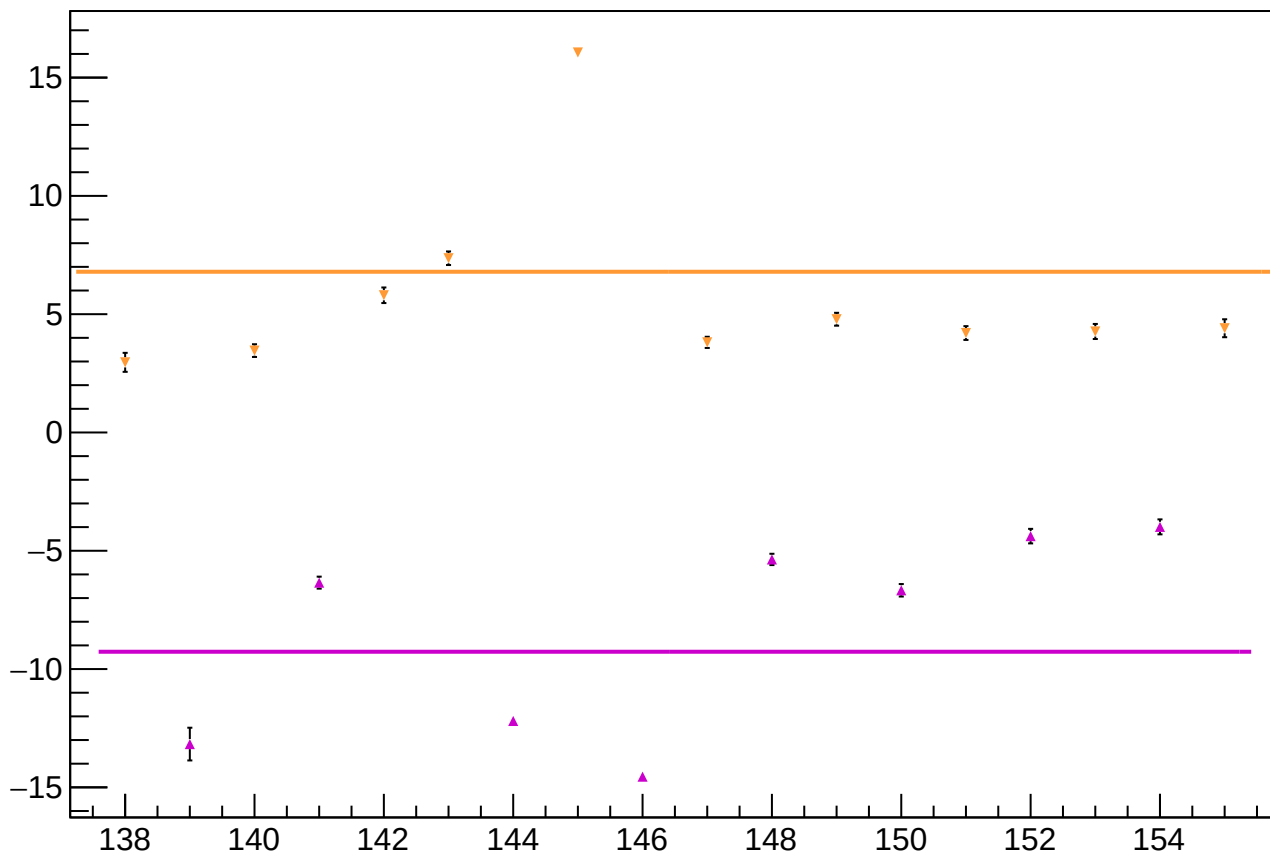
Left In: 24.157+/-0.106 χ^2/NDF : 2325.7/7

-25.106+/-0.107 χ^2/NDF : 941.8/9

-0.154+/-0.075 χ^2/NDF : 109709.1/17

24.157+/-0.106 χ^2/NDF : 2325.7/7

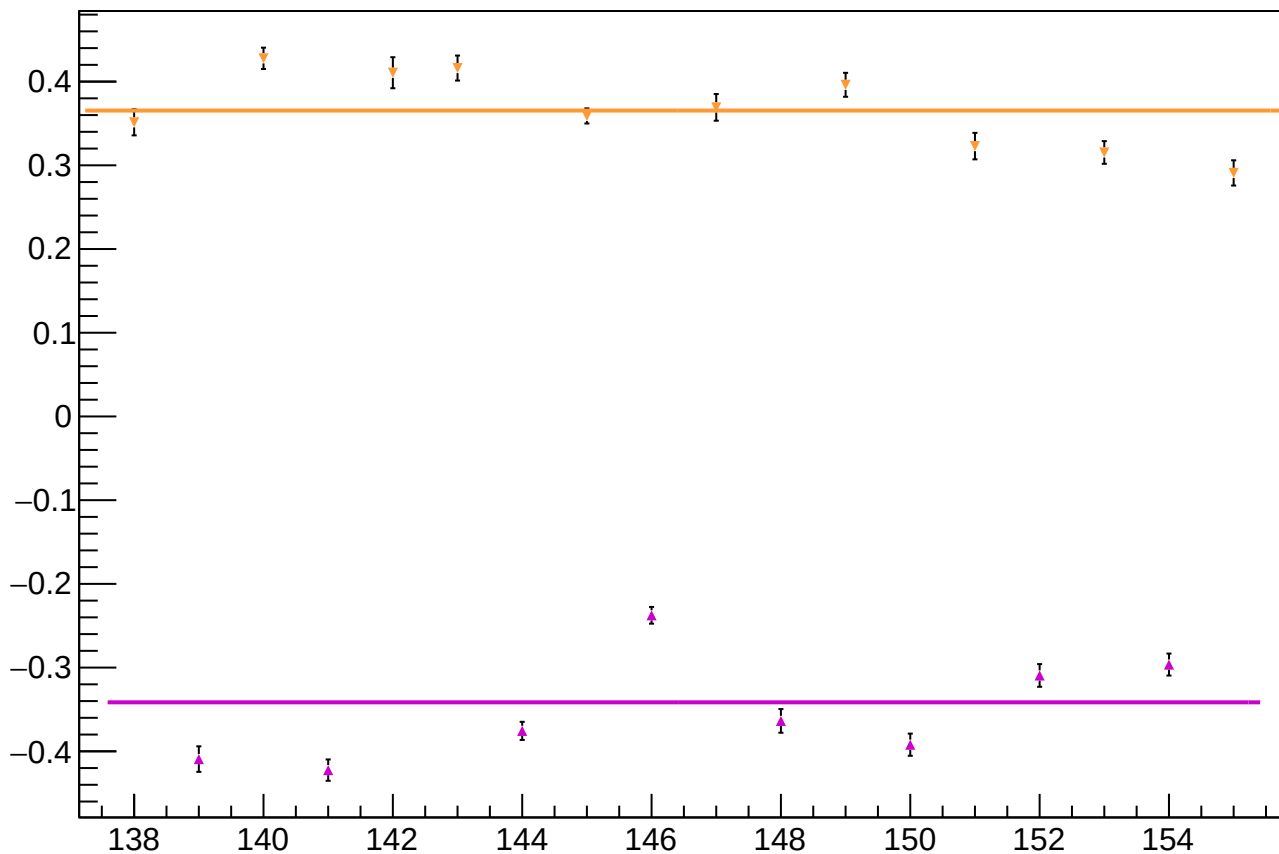
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 6.794+/-0.089 χ^2/NDF :2732.8/9
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -9.268+/-0.088 χ^2/NDF :2188.6/7

6.794+/-0.089 χ^2/NDF : 2732.8/9
 -1.323+/-0.063 χ^2/NDF : 21289.8/17
 -9.268+/-0.088 χ^2/NDF : 2188.6/7

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: 0.365+/-0.004 χ^2/NDF : 92.6/9

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

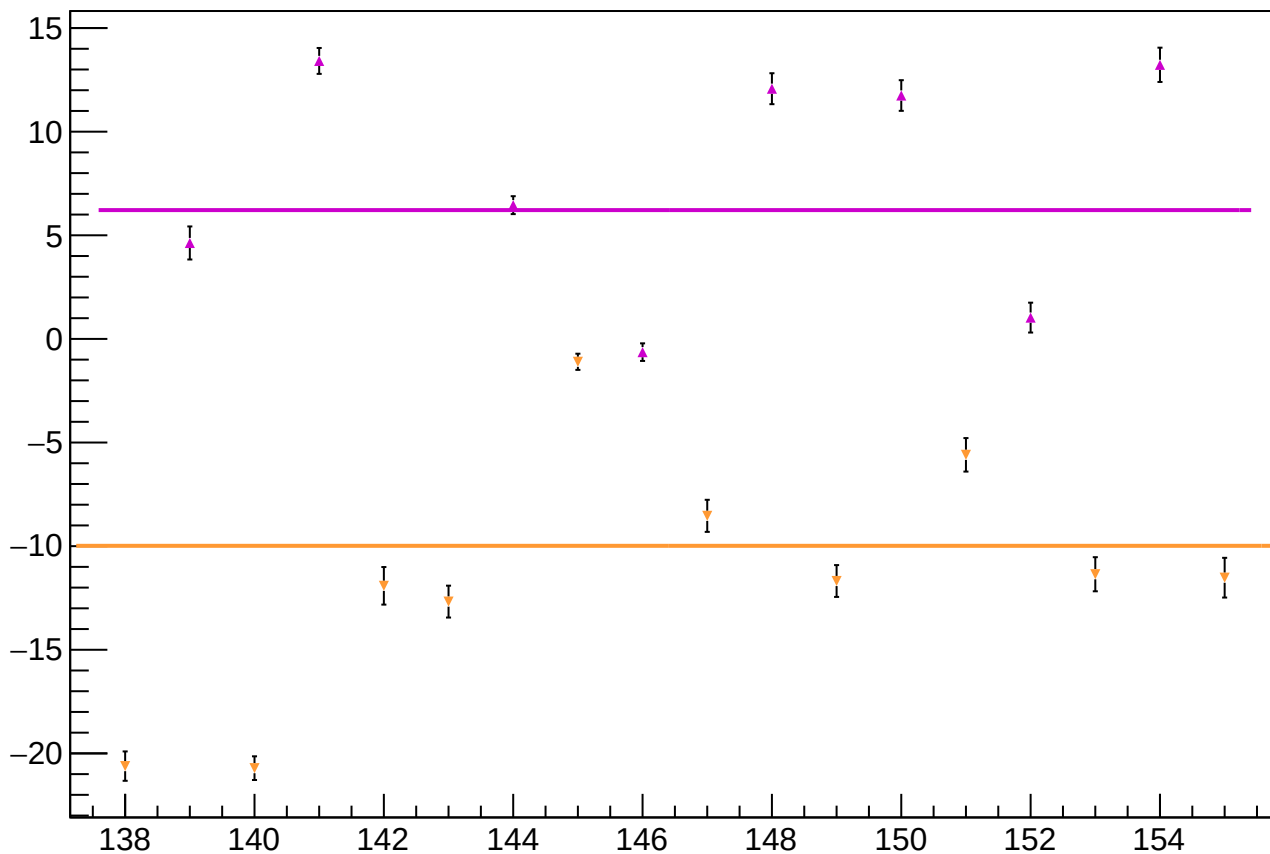
Left In: -0.341+/-0.004 χ^2/NDF : 212.8/7

0.365+/-0.004 χ^2/NDF : 92.6/9

0.017+/-0.003 χ^2/NDF : 13230.0/17

-0.341+/-0.004 χ^2/NDF : 212.8/7

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: -9.984+/-0.213 χ^2/NDF : 1155.8/9

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

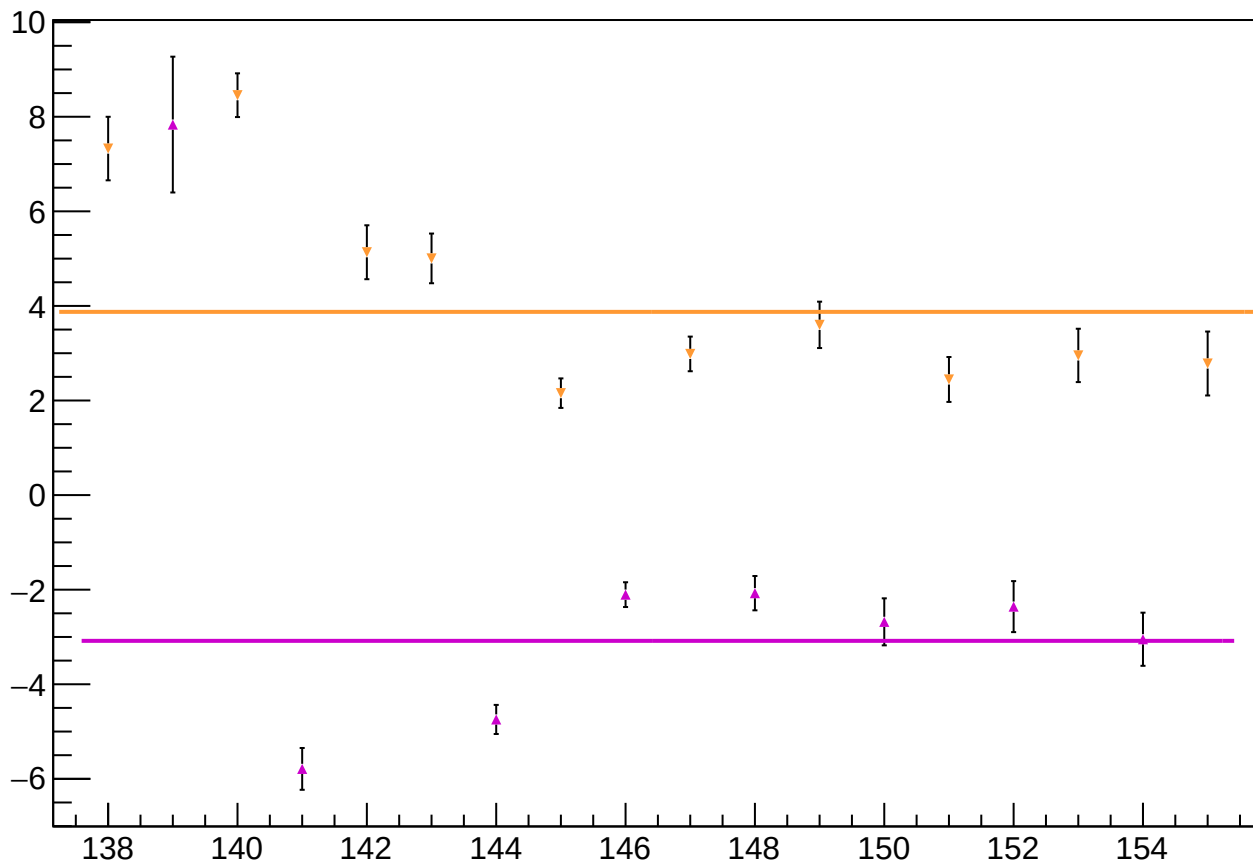
Left In: 6.216+/-0.213 χ^2/NDF : 639.0/7

-9.984+/-0.213 χ^2/NDF : 1155.8/9

-1.872+/-0.151 χ^2/NDF : 4684.7/17

6.216+/-0.213 χ^2/NDF : 639.0/7

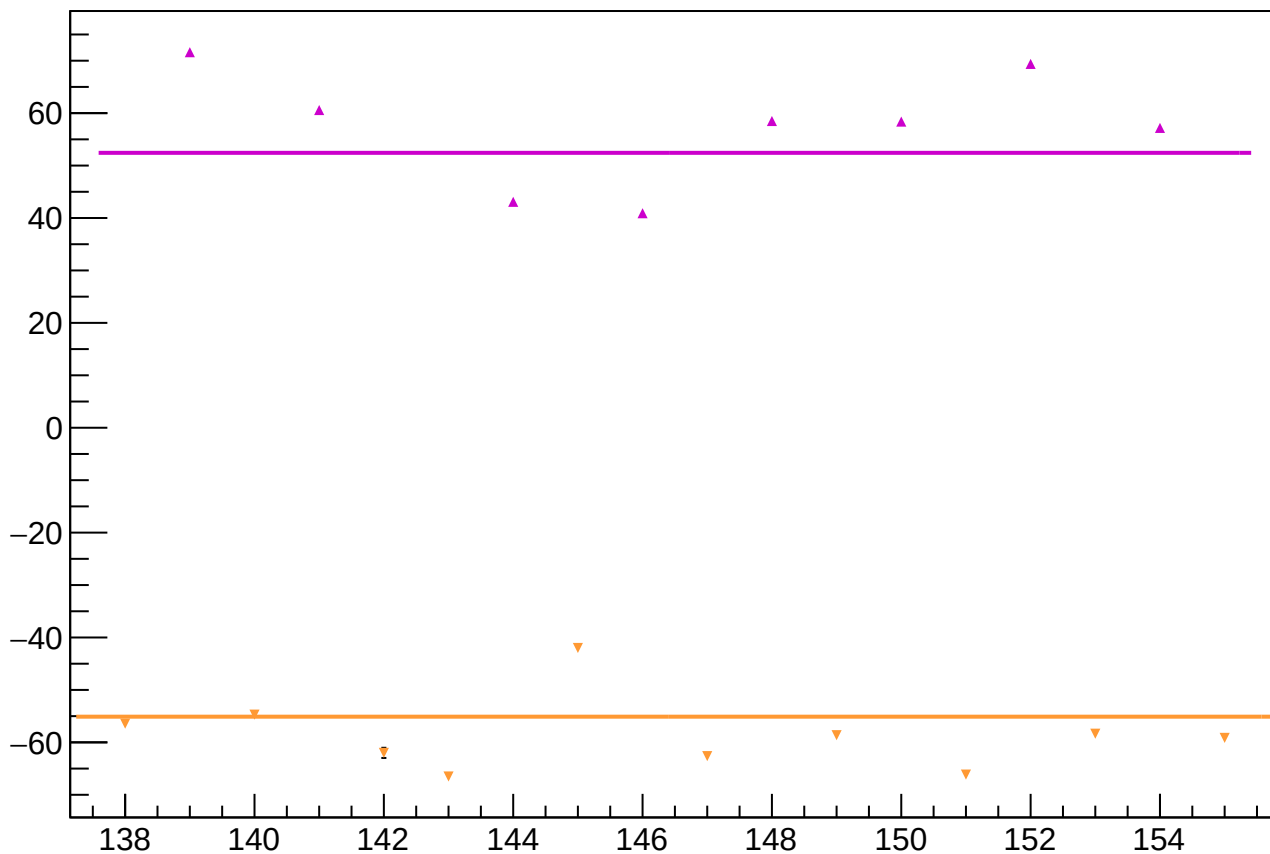
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 3.874+/-0.149 χ^2/NDF :185.0/9
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.082+/-0.143 χ^2/NDF :148.6/7

3.874+/-0.149 χ^2/NDF : 185.0/9
 0.258+/-0.103 χ^2/NDF : 1471.8/17
 -3.082+/-0.143 χ^2/NDF : 148.6/7

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: -55.102+/-0.217 χ^2/NDF :1614.5/9

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

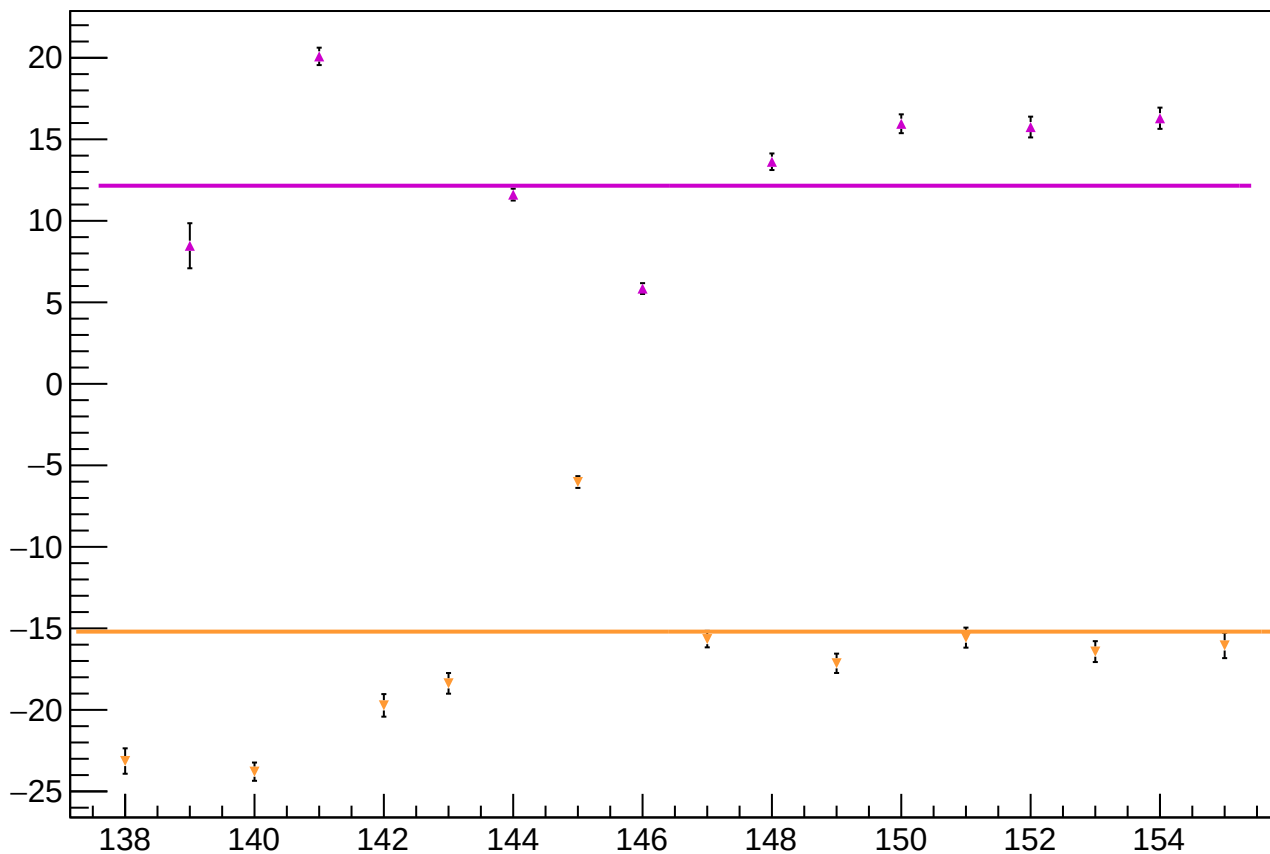
Left In: 52.429+/-0.212 χ^2/NDF :2642.2/7

-55.102+/-0.217 χ^2/NDF : 1614.5/9

-0.100+/-0.152 χ^2/NDF : 129708.8/17

52.429+/-0.212 χ^2/NDF : 2642.2/7

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: -15.199+/-0.181 χ^2/NDF : 1070.2/9

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

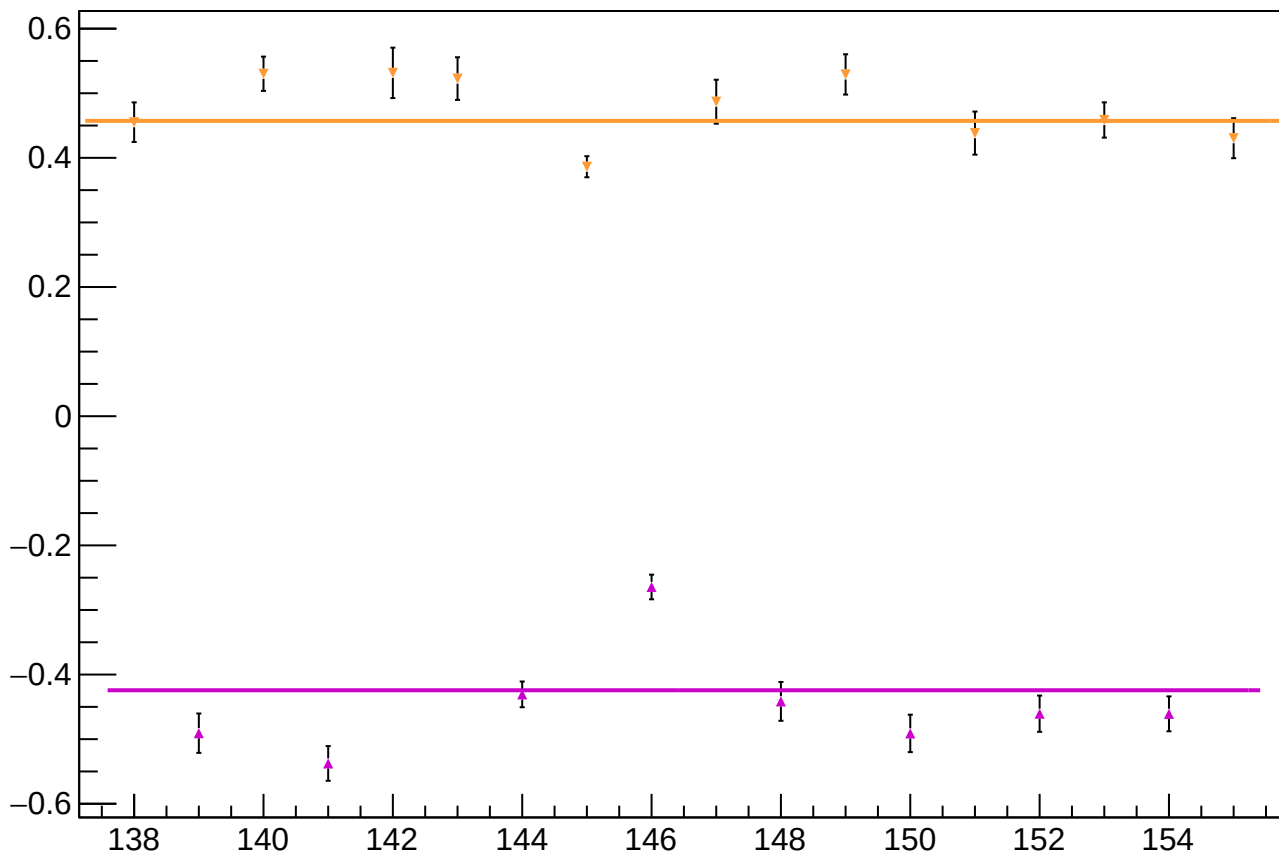
Left In: 12.155+/-0.176 χ^2/NDF : 717.0/7

-15.199+/-0.181 χ^2/NDF : 1070.2/9

-1.138+/-0.126 χ^2/NDF : 13545.5/17

12.155+/-0.176 χ^2/NDF : 717.0/7

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 0.457 ± 0.009 $\chi^2/\text{NDF}: 41.2/9$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

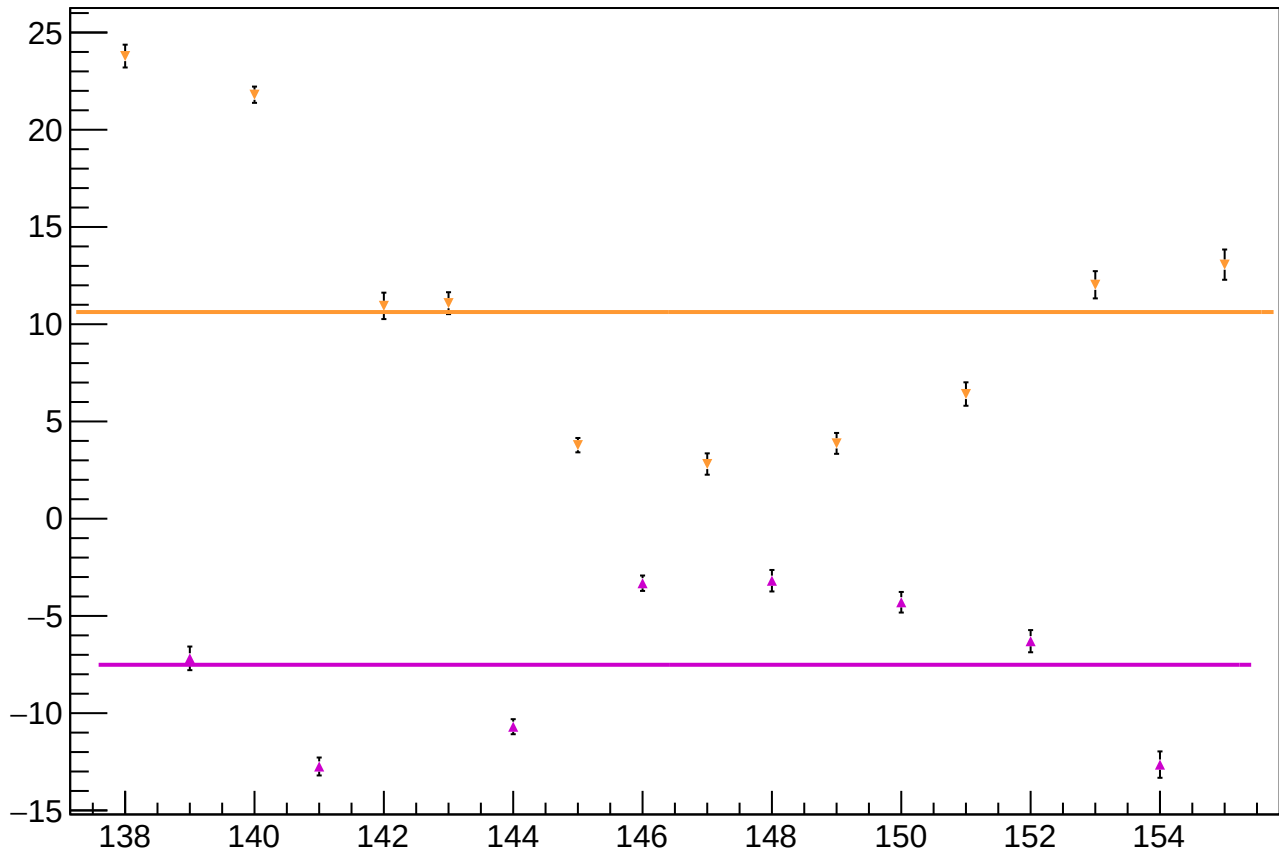
Left In: -0.424 ± 0.009 $\chi^2/\text{NDF}: 101.9/7$

0.457 ± 0.009 $\chi^2/\text{NDF}: 41.2/9$

0.022 ± 0.006 $\chi^2/\text{NDF}: 5124.9/17$

-0.424 ± 0.009 $\chi^2/\text{NDF}: 101.9/7$

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: 10.626+/-0.170 χ^2/NDF : 1984.8/9

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

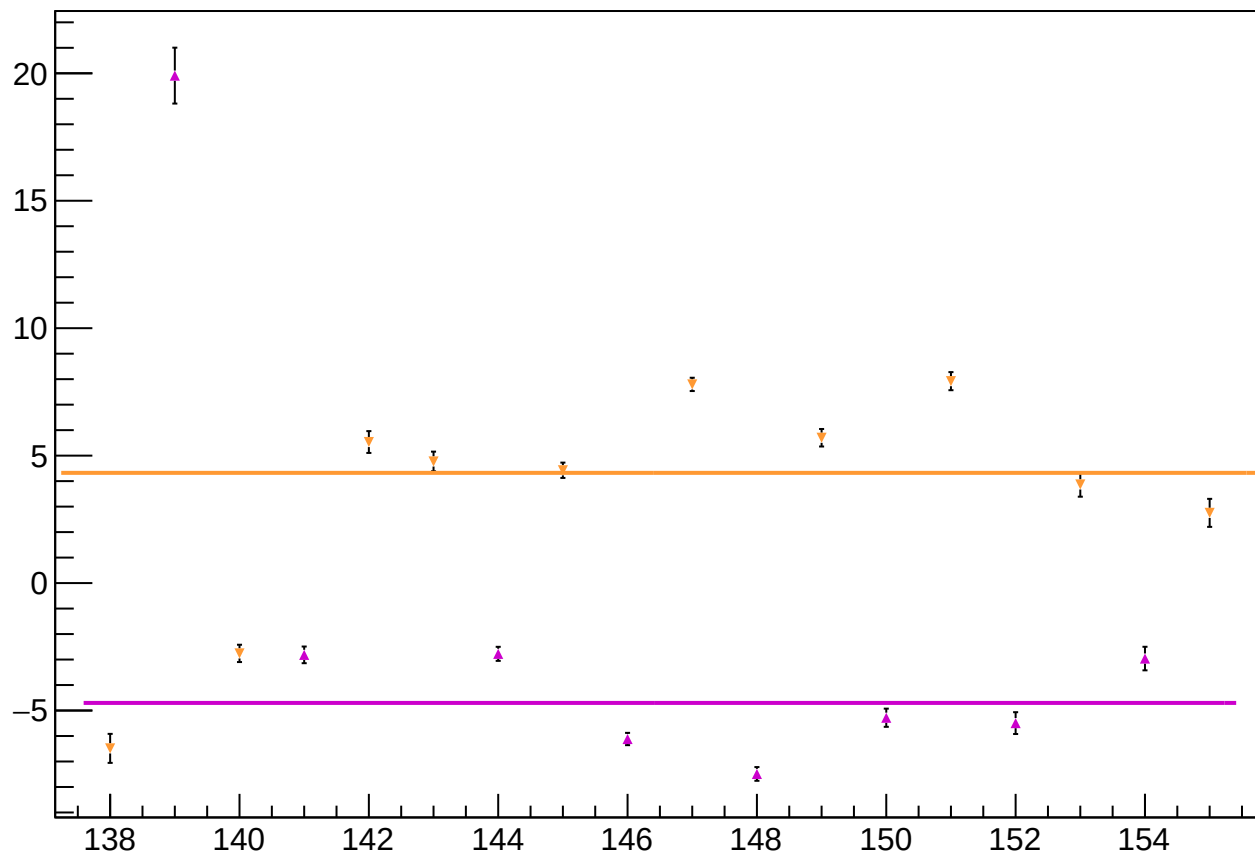
Left In: -7.512+/-0.175 χ^2/NDF : 468.8/7

10.626+/-0.170 χ^2/NDF : 1984.8/9

1.818+/-0.122 χ^2/NDF : 7964.6/17

-7.512+/-0.175 χ^2/NDF : 468.8/7

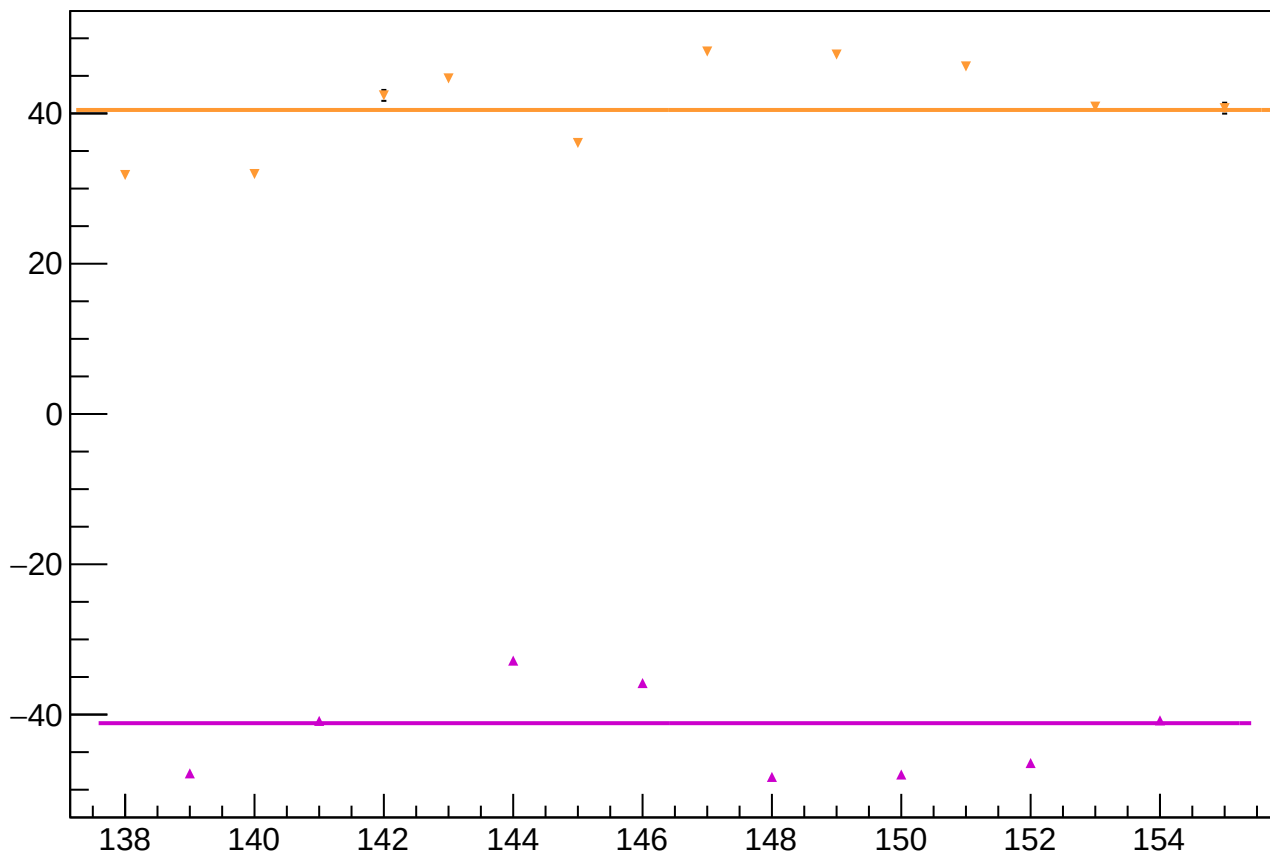
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 4.325+/-0.116 χ^2/NDF : 1110.3/9
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -4.702+/-0.118 χ^2/NDF : 747.4/7

4.325+/-0.116 χ^2/NDF : 1110.3/9
 -0.143+/-0.083 χ^2/NDF : 4831.4/17
 -4.702+/-0.118 χ^2/NDF : 747.4/7

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: 40.463+/-0.172 χ^2/NDF : 1281.0/9

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

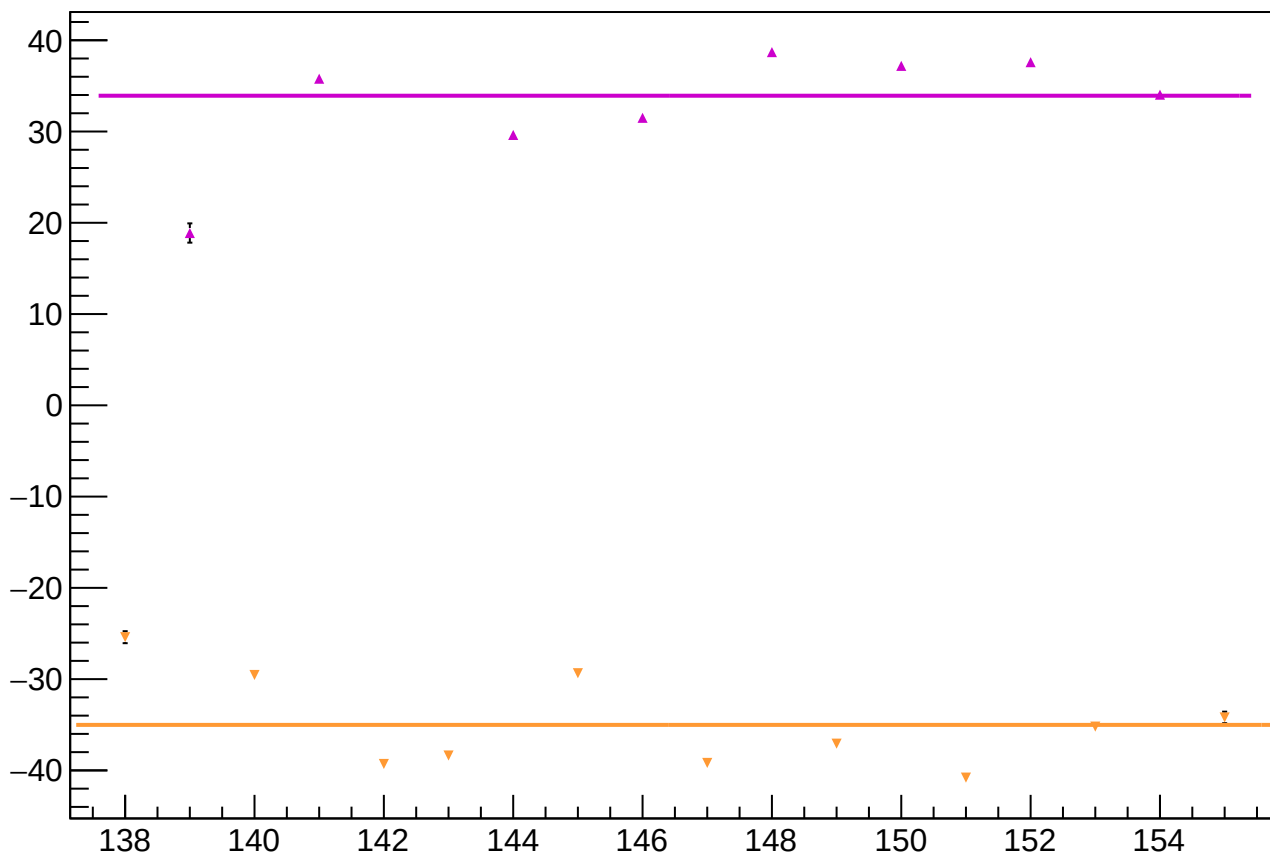
Left In: -41.146+/-0.174 χ^2/NDF : 1180.3/7

40.463+/-0.172 χ^2/NDF : 1281.0/9

0.166+/-0.123 χ^2/NDF : 113386.4/17

-41.146+/-0.174 χ^2/NDF : 1180.3/7

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: -35.014+/-0.143 χ^2/NDF : 1098.8/9

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

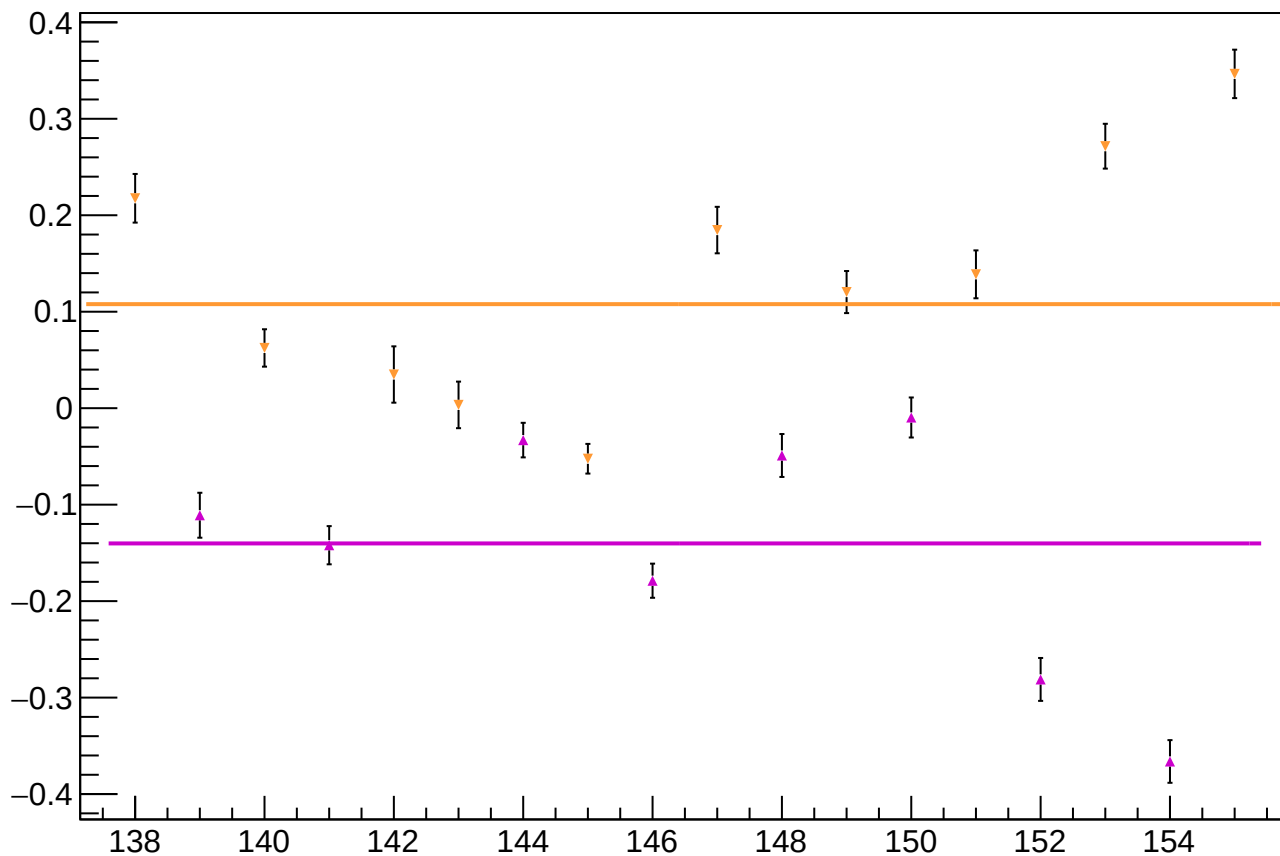
Left In: 33.922+/-0.145 χ^2/NDF : 737.2/7

-35.014+/-0.143 χ^2/NDF : 1098.8/9

-1.039+/-0.102 χ^2/NDF : 116827.5/17

33.922+/-0.145 χ^2/NDF : 737.2/7

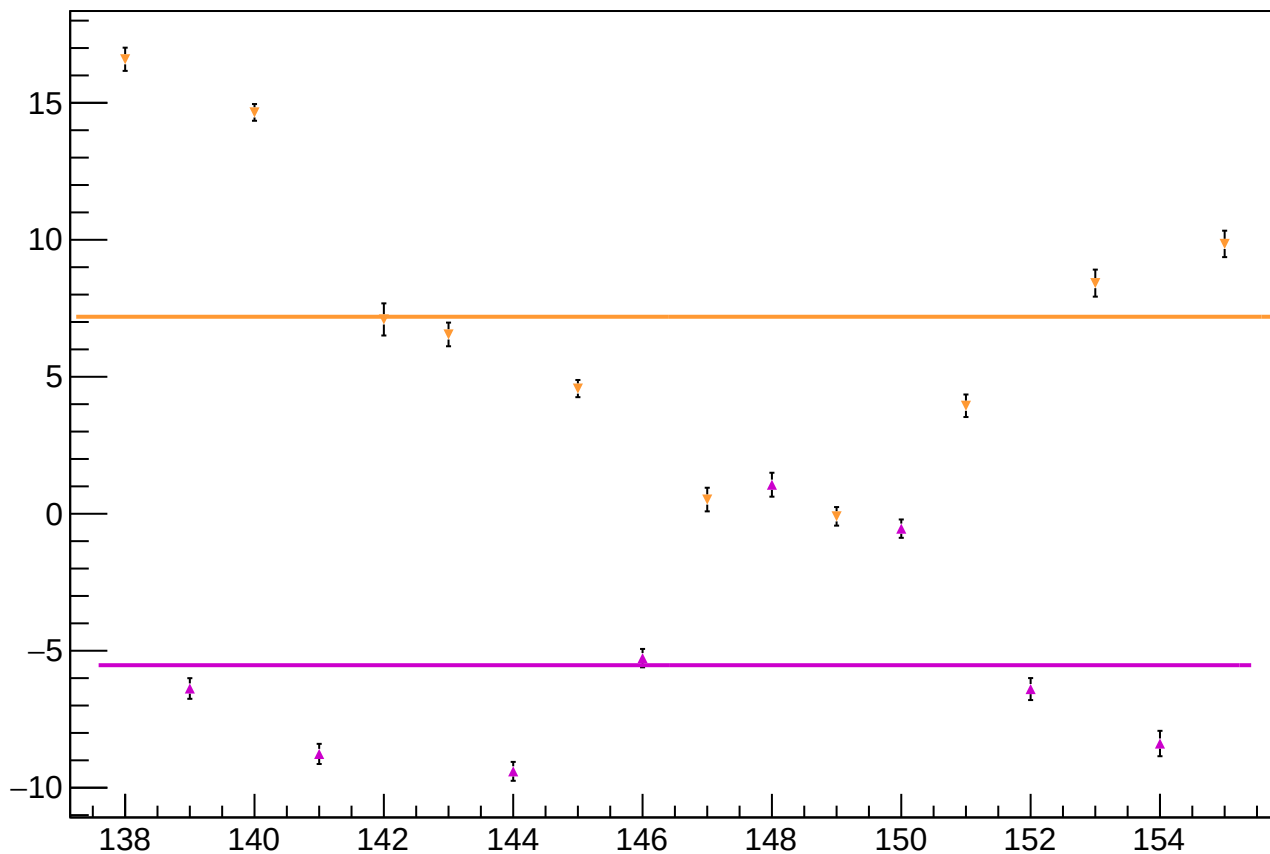
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.108 $\pm$ 0.007 χ^2 /NDF:310.0/9
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.140 $\pm$ 0.007 χ^2 /NDF:243.1/7

0.108 $\pm$ 0.007 χ^2 /NDF: 310.0/9
 -0.013 $\pm$ 0.005 χ^2 /NDF: 1157.8/17
 -0.140 $\pm$ 0.007 χ^2 /NDF: 243.1/7

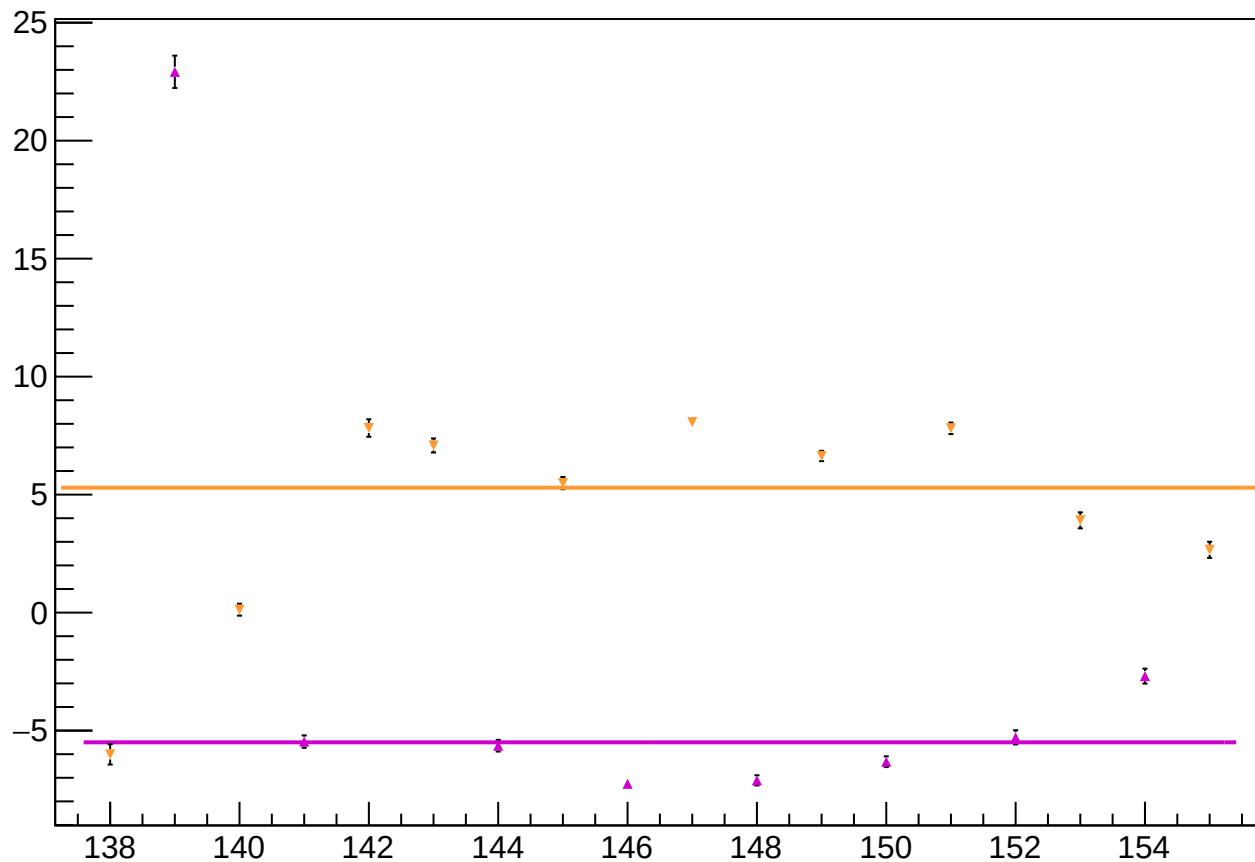
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 7.191 $\pm$ 0.126 χ^2 /NDF:1961.3/9
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -5.528 $\pm$ 0.133 χ^2 /NDF:701.1/7

7.191 $\pm$ 0.126 χ^2 /NDF: 1961.3/9
 1.170 $\pm$ 0.091 χ^2 /NDF: 7496.6/17
 -5.528 $\pm$ 0.133 χ^2 /NDF: 701.1/7

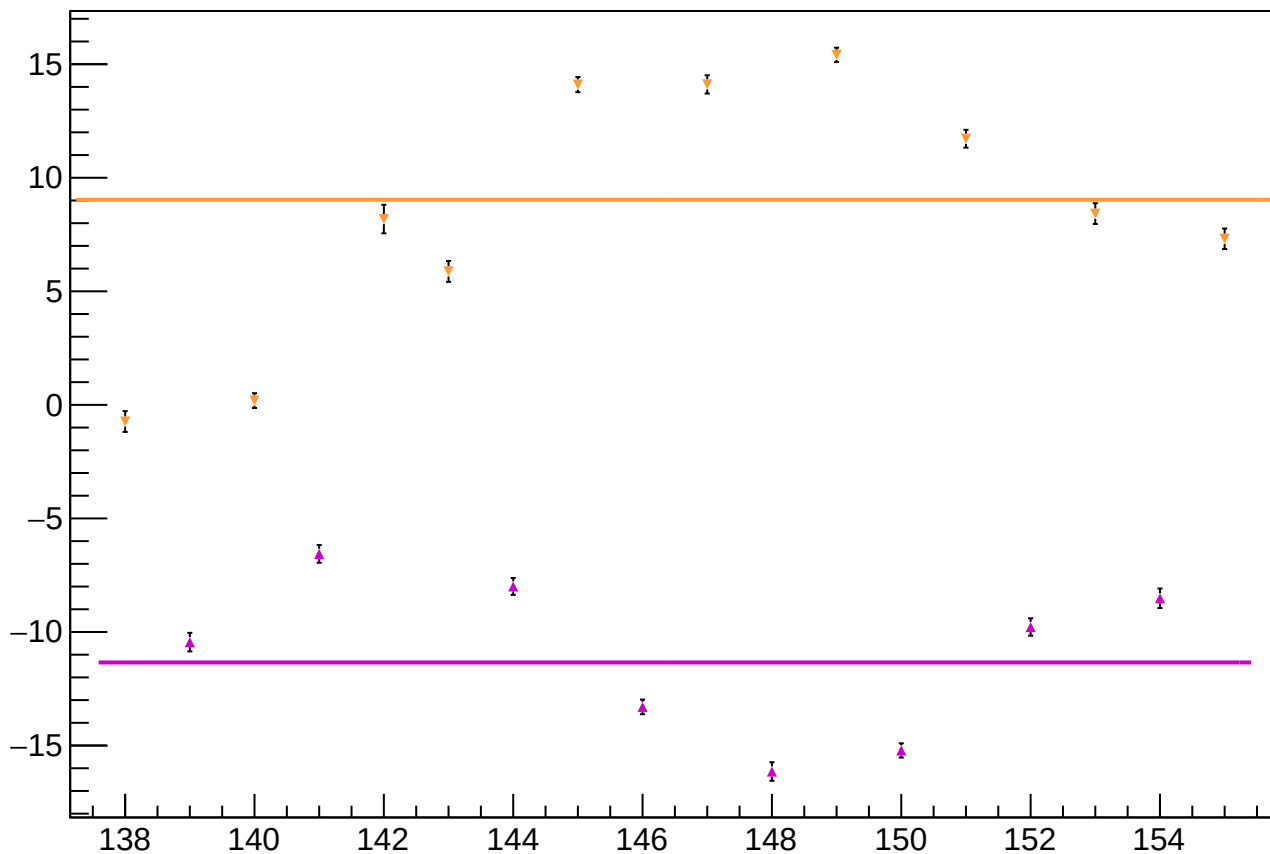
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.294+/-0.087 χ^2/NDF :1587.0/9
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -5.497+/-0.093 χ^2/NDF :1939.8/7

5.294+/-0.087 χ^2/NDF : 1587.0/9
 0.245+/-0.063 χ^2/NDF : 10754.6/17
 -5.497+/-0.093 χ^2/NDF : 1939.8/7

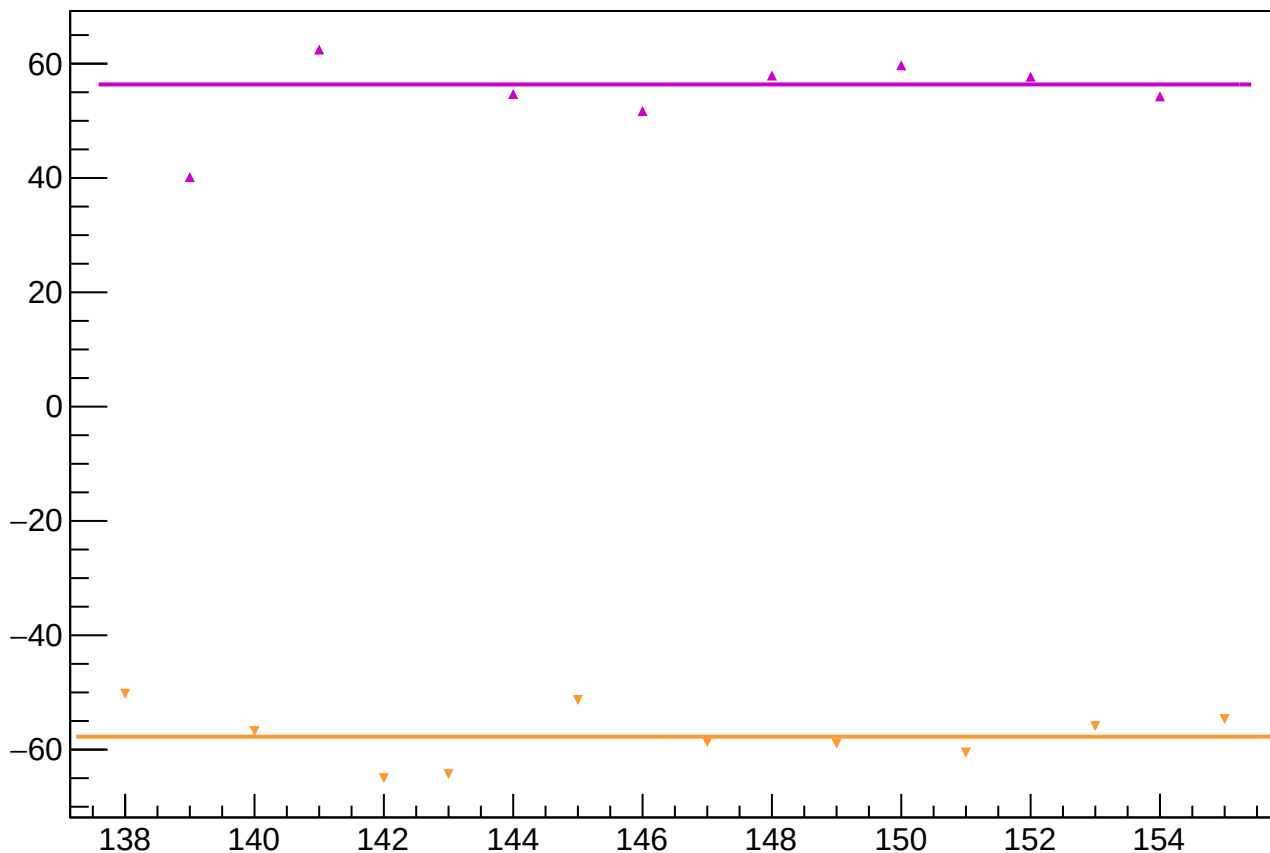
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 9.033+/-0.126 χ^2/NDF : 2100.0/9
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -11.342+/-0.131 χ^2/NDF : 623.1/7

9.033+/-0.126 χ^2/NDF : 2100.0/9
 -0.733+/-0.091 χ^2/NDF : 15226.4/17
 -11.342+/-0.131 χ^2/NDF : 623.1/7

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: -57.735+/-0.106 χ^2/NDF :1503.4/9

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

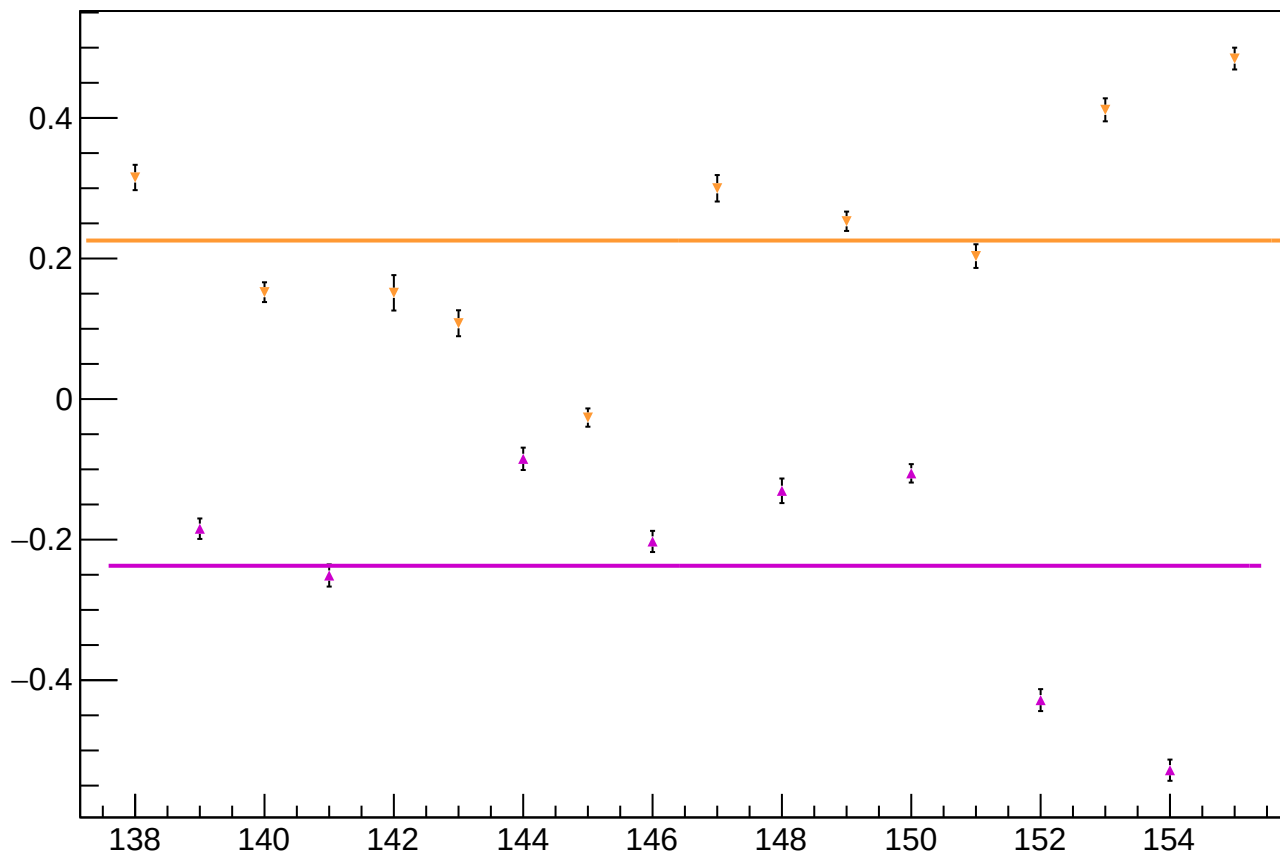
Left In: 56.365+/-0.112 χ^2/NDF :1555.0/7

-57.735+/-0.106 χ^2/NDF : 1503.4/9

-4.116+/-0.077 χ^2/NDF : 549709.8/17

56.365+/-0.112 χ^2/NDF : 1555.0/7

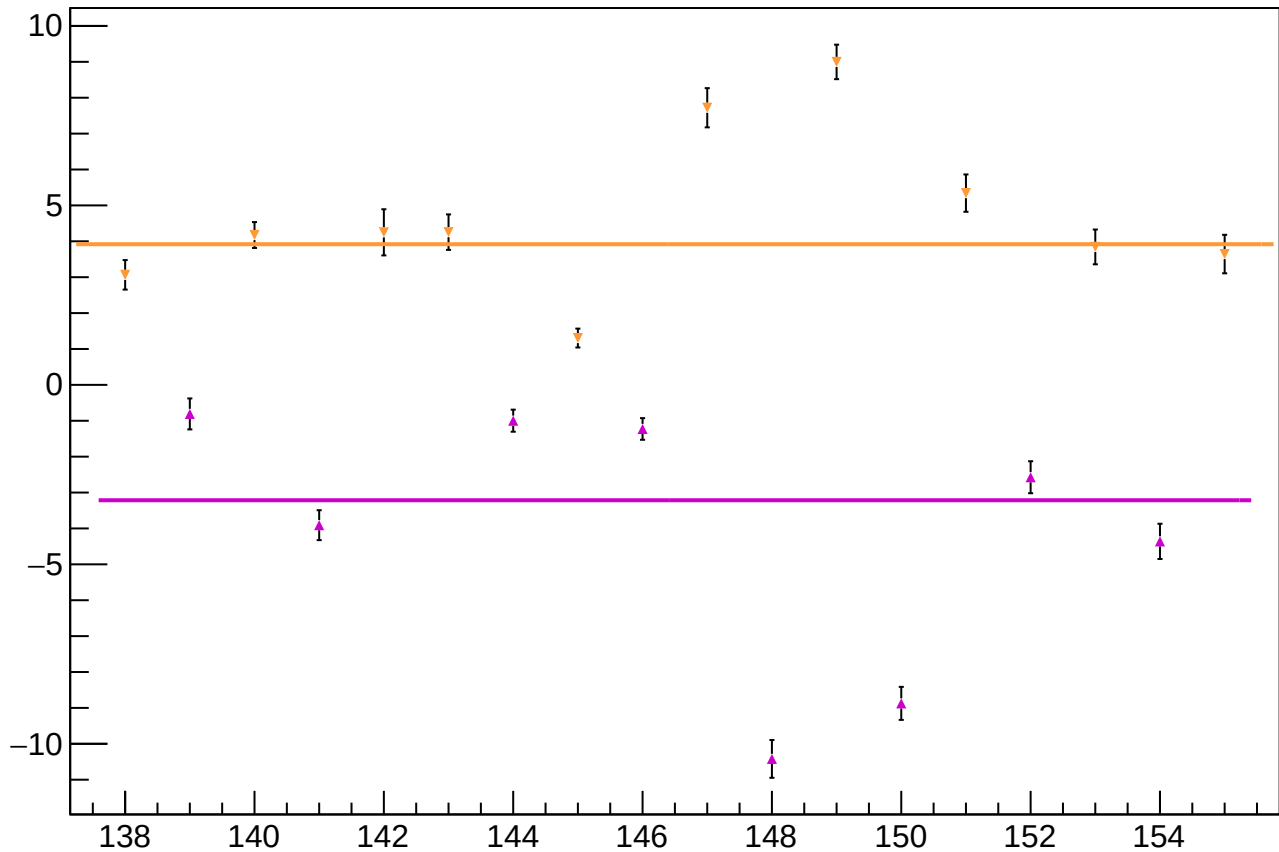
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.226 $\pm$ 0.005 χ^2 /NDF:904.9/9
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.237 $\pm$ 0.005 χ^2 /NDF:769.7/7

0.226 $\pm$ 0.005 χ^2 /NDF: 904.9/9
 0.005 $\pm$ 0.004 χ^2 /NDF: 5560.1/17
 -0.237 $\pm$ 0.005 χ^2 /NDF: 769.7/7

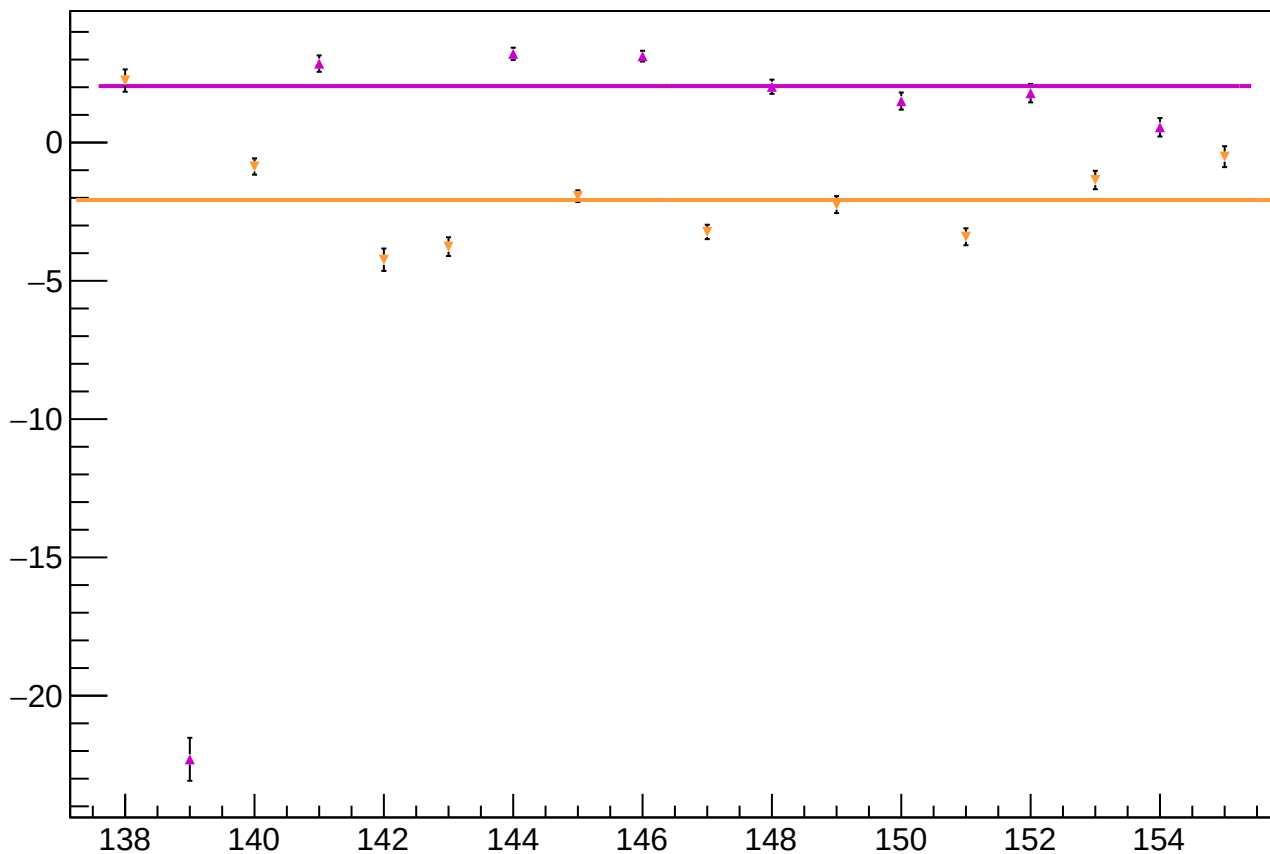
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.919 $\pm$ 0.136 χ^2 /NDF: 272.2/9
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -3.215 $\pm$ 0.141 χ^2 /NDF: 475.4/7

3.919 $\pm$ 0.136 χ^2 /NDF: 272.2/9
 0.471 $\pm$ 0.098 χ^2 /NDF: 2068.0/17
 -3.215 $\pm$ 0.141 χ^2 /NDF: 475.4/7

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: -2.076+/-0.097 χ^2/NDF : 245.2/9

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

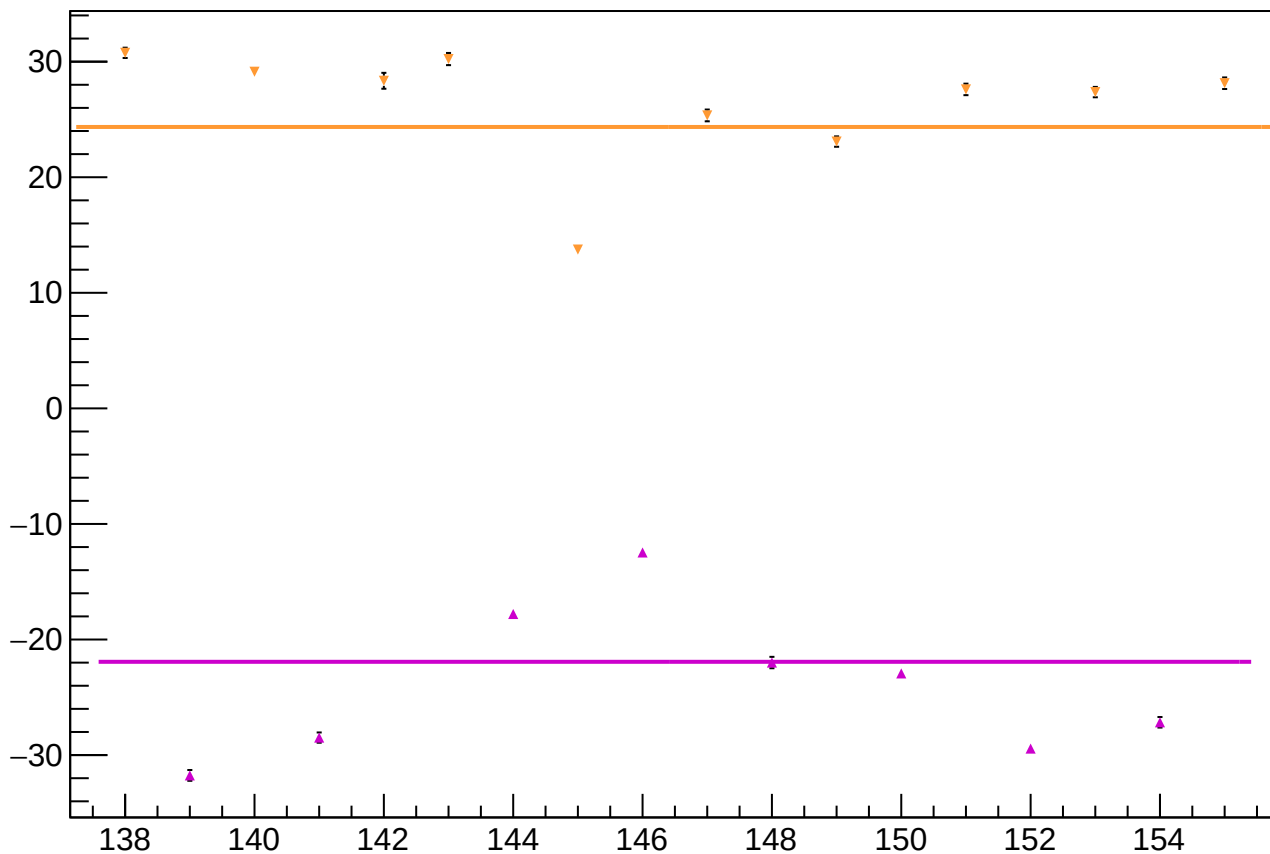
Left In: 2.042+/-0.098 χ^2/NDF : 1071.2/7

-2.076+/-0.097 χ^2/NDF : 245.2/9

-0.049+/-0.069 χ^2/NDF : 2207.6/17

2.042+/-0.098 χ^2/NDF : 1071.2/7

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: 24.350+/-0.139 χ^2/NDF : 2108.1/9

24.350+/-0.139 χ^2/NDF : 2108.1/9

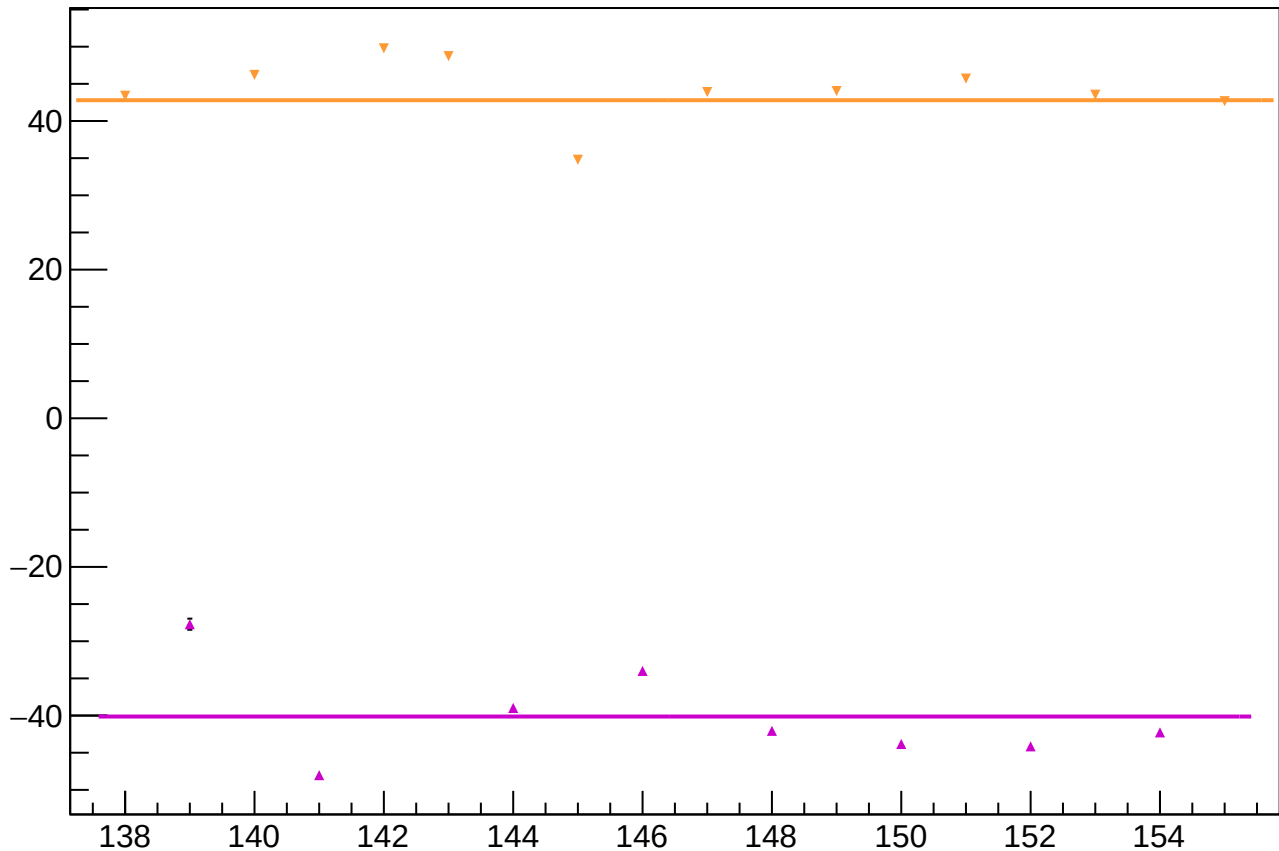
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

1.537+/-0.099 χ^2/NDF : 59346.2/17

Left In: -21.928+/-0.141 χ^2/NDF : 2330.3/7

-21.928+/-0.141 χ^2/NDF : 2330.3/7

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 42.797+/-0.117 χ^2/NDF : 1662.7/9

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

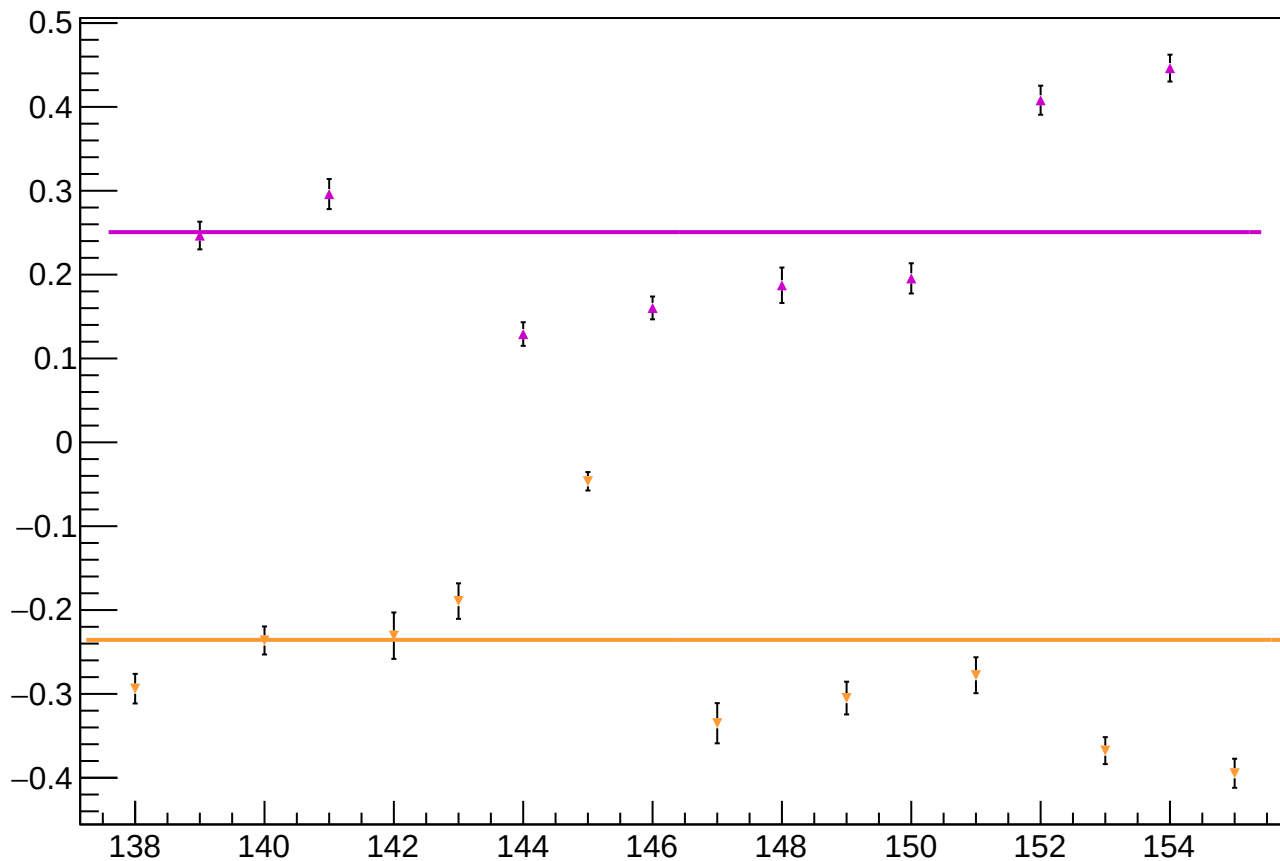
Left In: -40.130+/-0.119 χ^2/NDF : 1700.7/7

42.797+/-0.117 χ^2/NDF : 1662.7/9

2.200+/-0.084 χ^2/NDF : 249615.3/17

-40.130+/-0.119 χ^2/NDF : 1700.7/7

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: -0.236+/-0.006 χ^2/NDF : 497.5/9

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

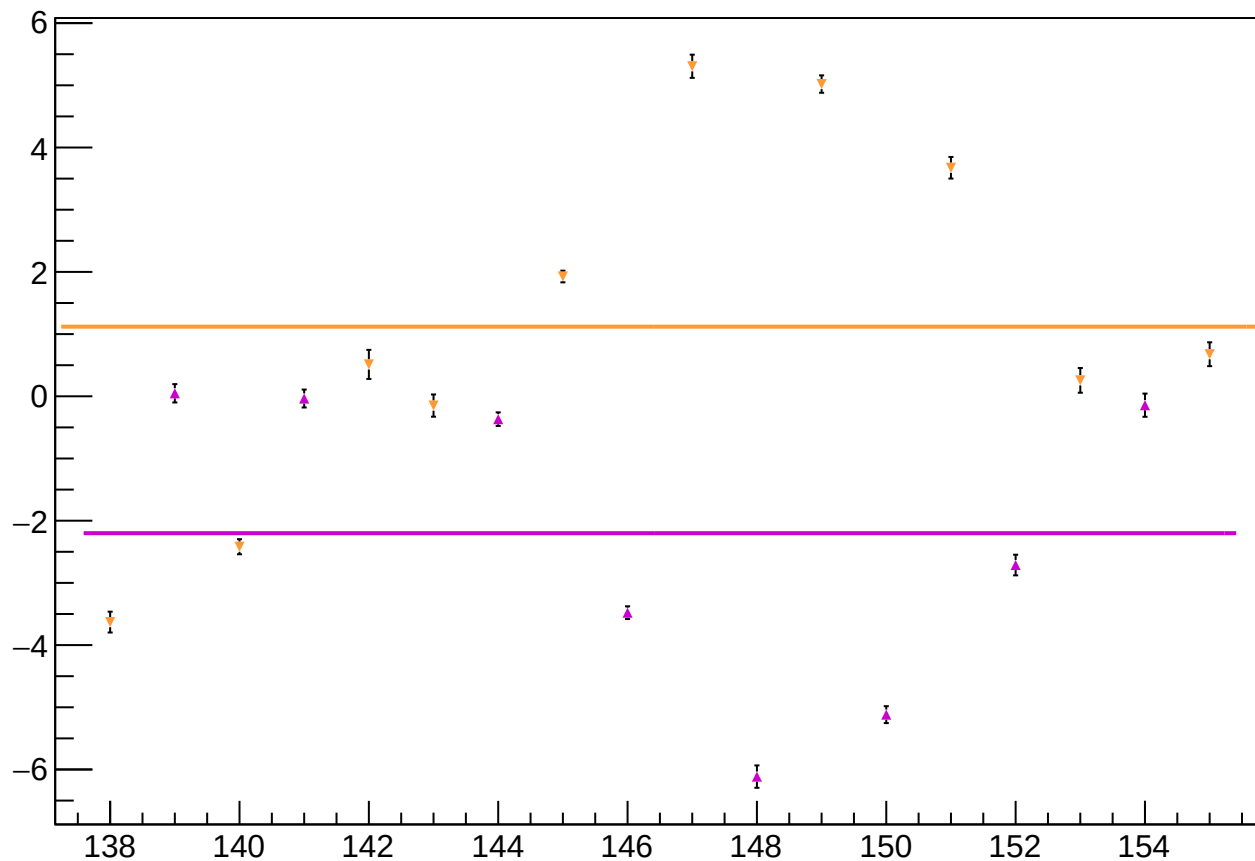
Left In: 0.251+/-0.006 χ^2/NDF : 374.6/7

-0.236+/-0.006 χ^2/NDF : 497.5/9

-0.003+/-0.004 χ^2/NDF : 4537.6/17

0.251+/-0.006 χ^2/NDF : 374.6/7

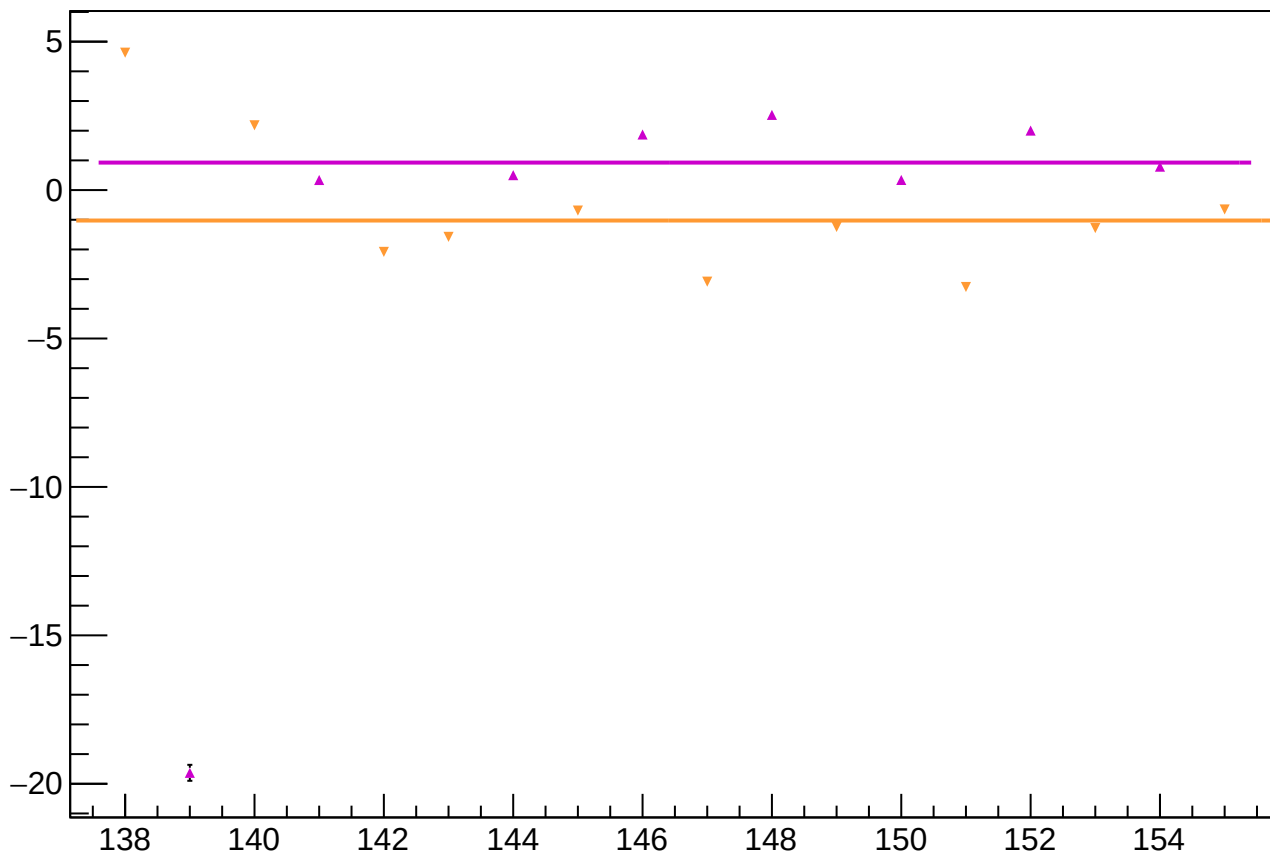
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 1.120 $\pm$ 0.048 χ^2 /NDF:3308.3/9
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -2.201 $\pm$ 0.049 χ^2 /NDF:1959.0/7

1.120 $\pm$ 0.048 χ^2 /NDF: 3308.3/9
 -0.523 $\pm$ 0.034 χ^2 /NDF: 7624.3/17
 -2.201 $\pm$ 0.049 χ^2 /NDF: 1959.0/7

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: -1.026+/-0.034 χ^2/NDF : 3255.1/9

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

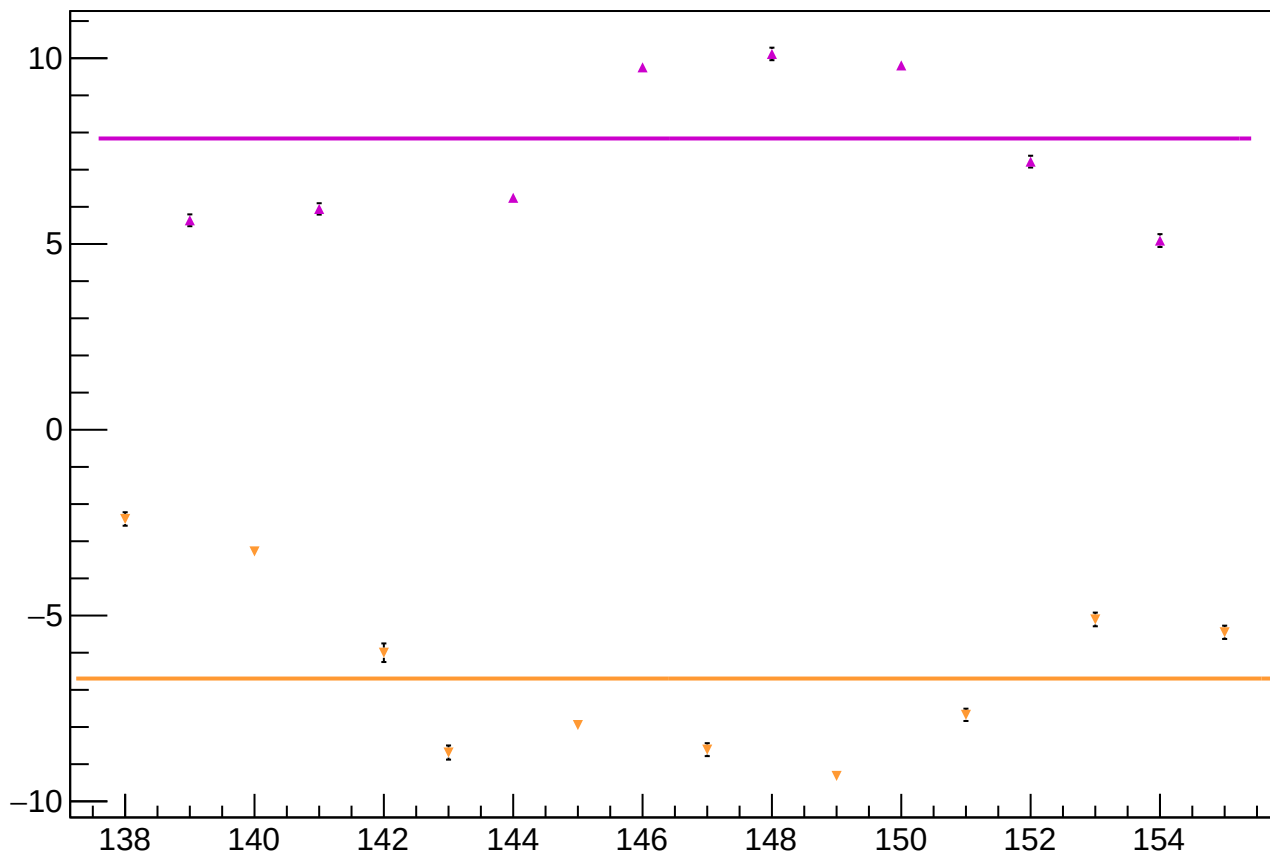
Left In: 0.926+/-0.034 χ^2/NDF : 6544.5/7

-1.026+/-0.034 χ^2/NDF : 3255.1/9

-0.051+/-0.024 χ^2/NDF : 11448.8/17

0.926+/-0.034 χ^2/NDF : 6544.5/7

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: -6.695+/-0.049 χ^2/NDF : 2215.7/9

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

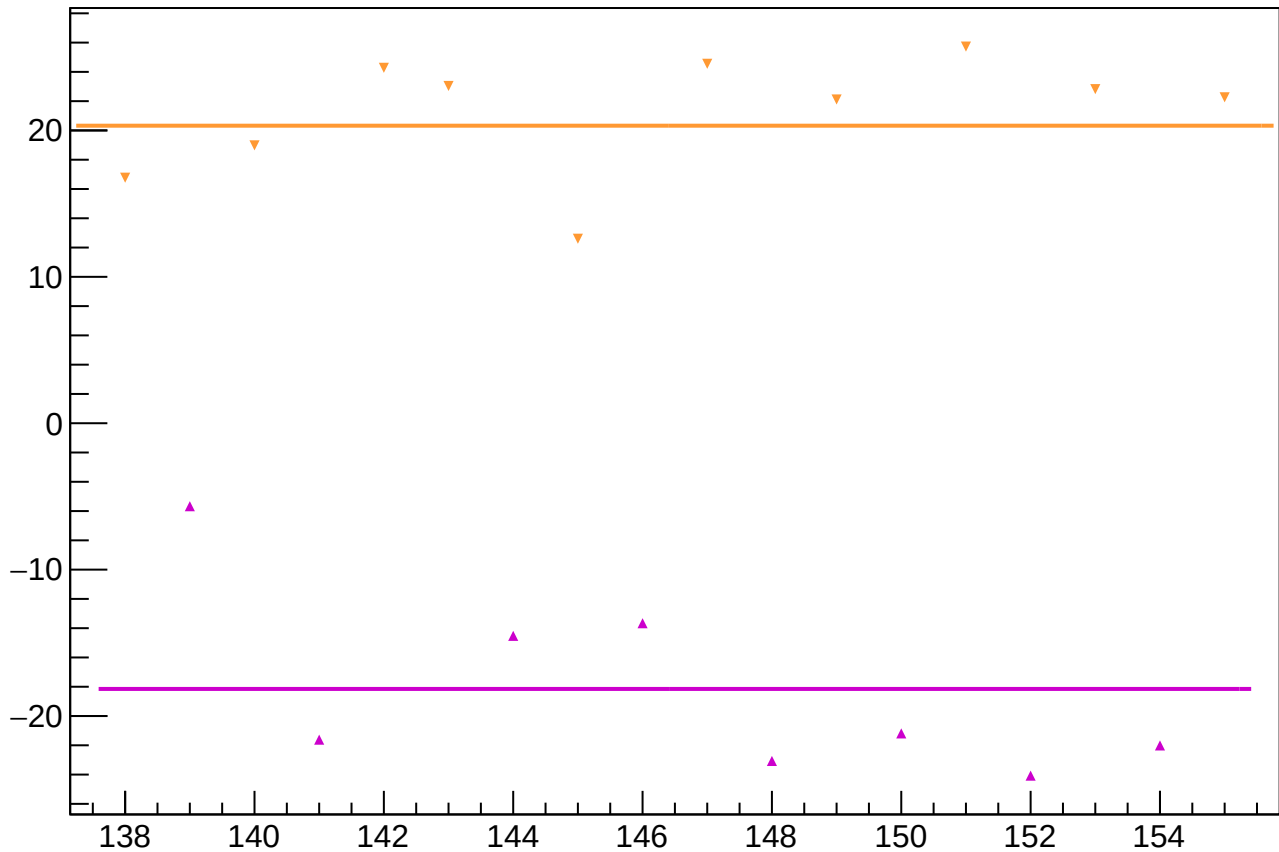
Left In: 7.839+/-0.048 χ^2/NDF : 1594.1/7

-6.695+/-0.049 χ^2/NDF : 2215.7/9

0.610+/-0.034 χ^2/NDF : 48722.1/17

7.839+/-0.048 χ^2/NDF : 1594.1/7

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: 20.324+/-0.041 χ^2/NDF :12508.8/9

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

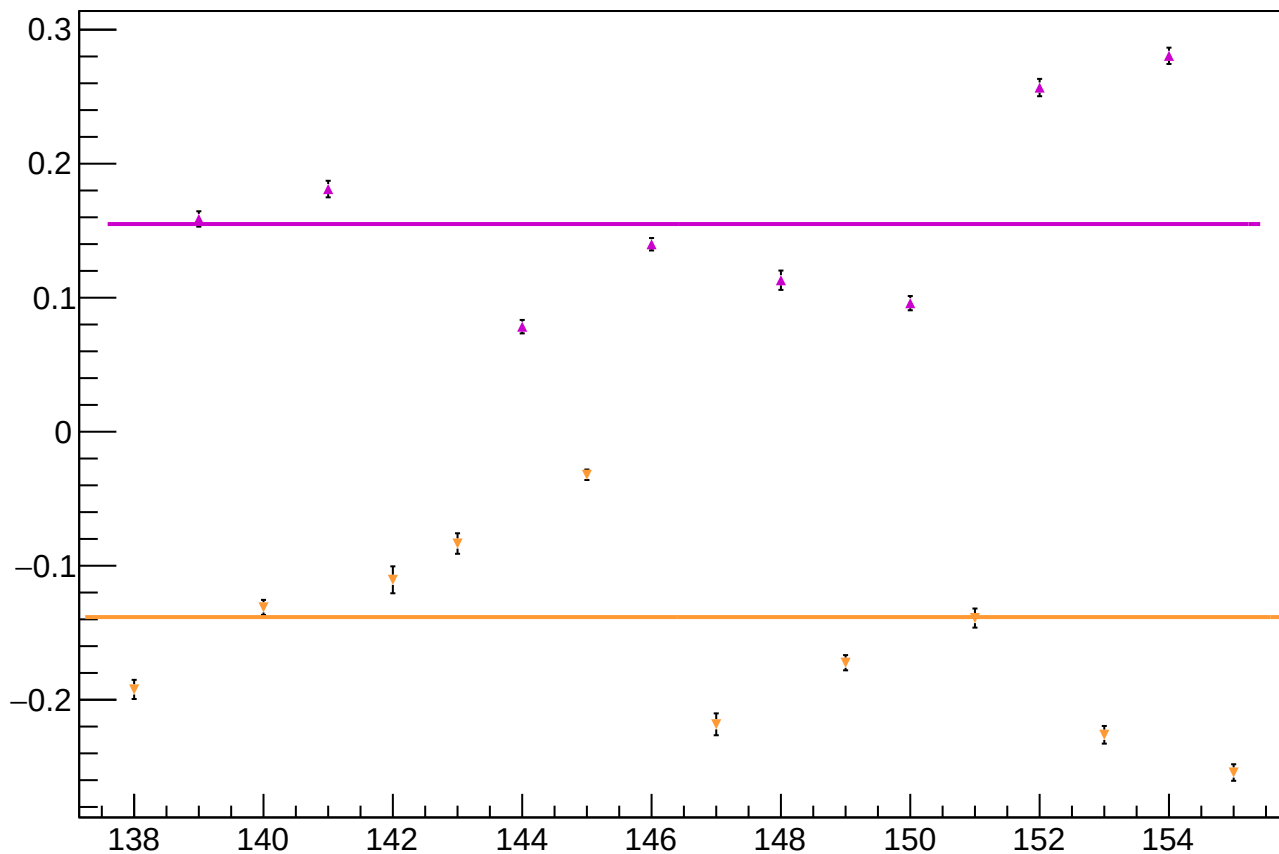
Left In: -18.150+/-0.041 χ^2/NDF :12297.9/7

20.324+/-0.041 χ^2/NDF : 12508.8/9

1.140+/-0.029 χ^2/NDF : 462048.3/17

-18.150+/-0.041 χ^2/NDF : 12297.9/7

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: -0.138+/-0.002 χ^2/NDF :1519.4/9

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

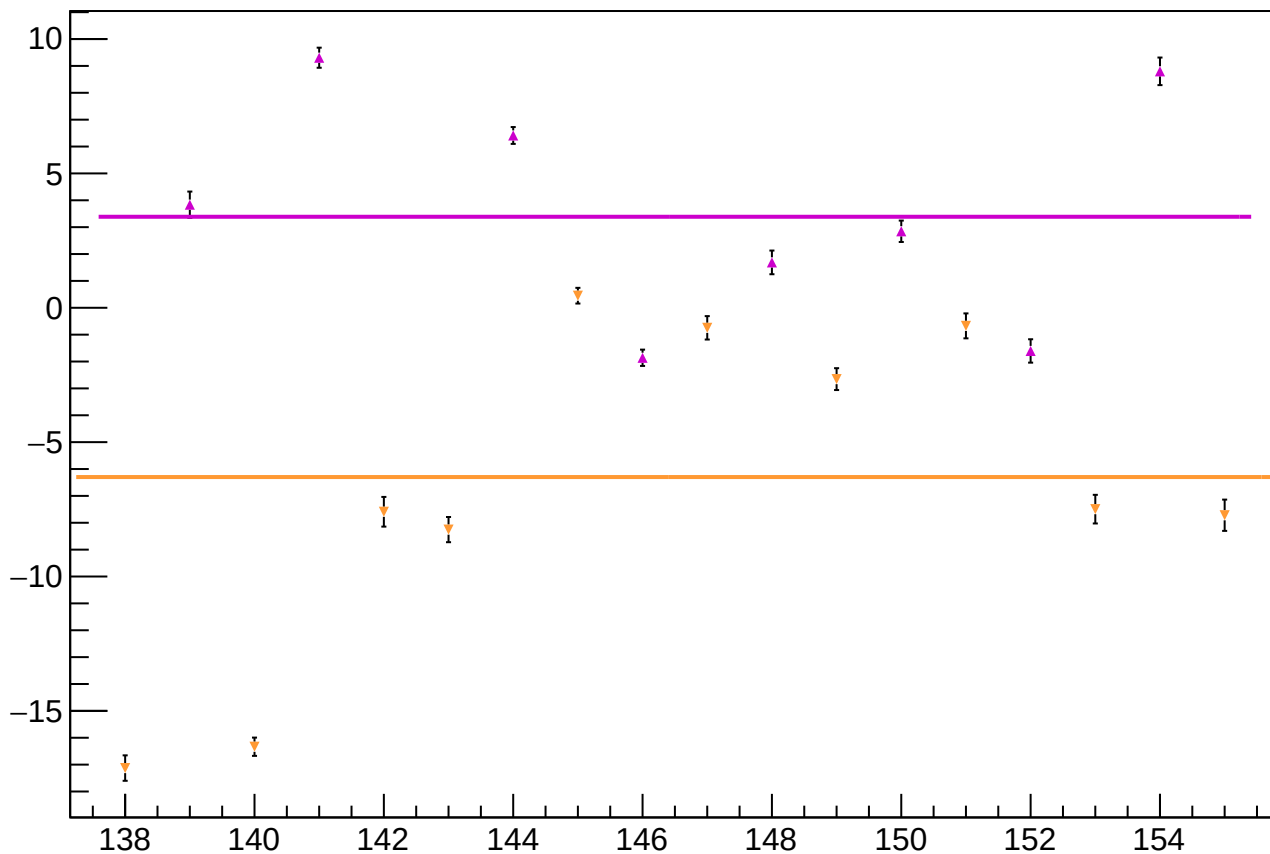
Left In: 0.155+/-0.002 χ^2/NDF :1092.1/7

-0.138+/-0.002 χ^2/NDF : 1519.4/9

0.005+/-0.001 χ^2/NDF : 13513.7/17

0.155+/-0.002 χ^2/NDF : 1092.1/7

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -6.299 $\pm$ 0.135 χ^2/NDF : 2352.1/9

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

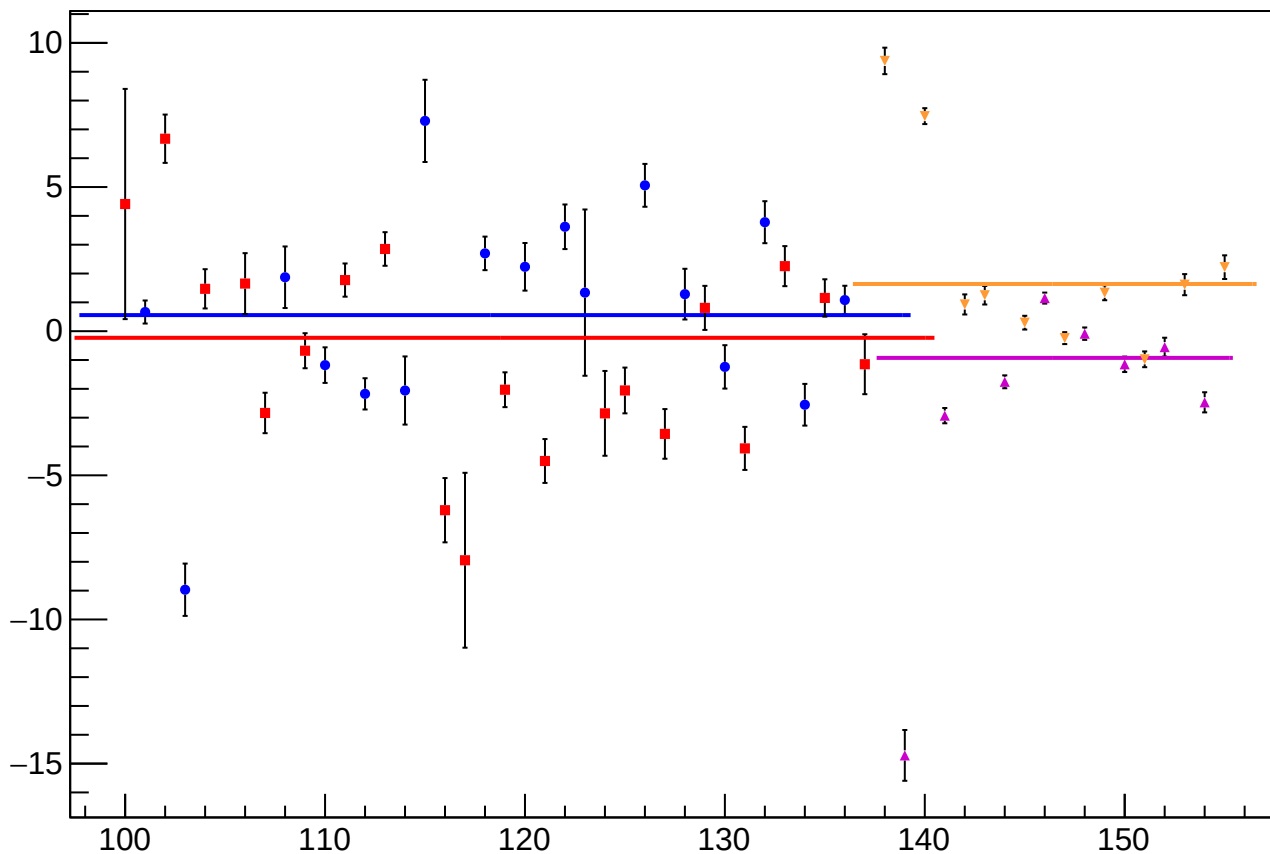
Left In: 3.387 $\pm$ 0.137 χ^2/NDF : 903.3/7

-6.299 $\pm$ 0.135 χ^2/NDF : 2352.1/9

-1.553 $\pm$ 0.096 χ^2/NDF : 5788.4/17

3.387 $\pm$ 0.137 χ^2/NDF : 903.3/7

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.558 ± 0.170 χ^2/NDF : 287.9/16

Left Out: 1.637 ± 0.092 χ^2/NDF : 941.7/9

Right Out: -0.230 ± 0.174 χ^2/NDF : 278.5/19

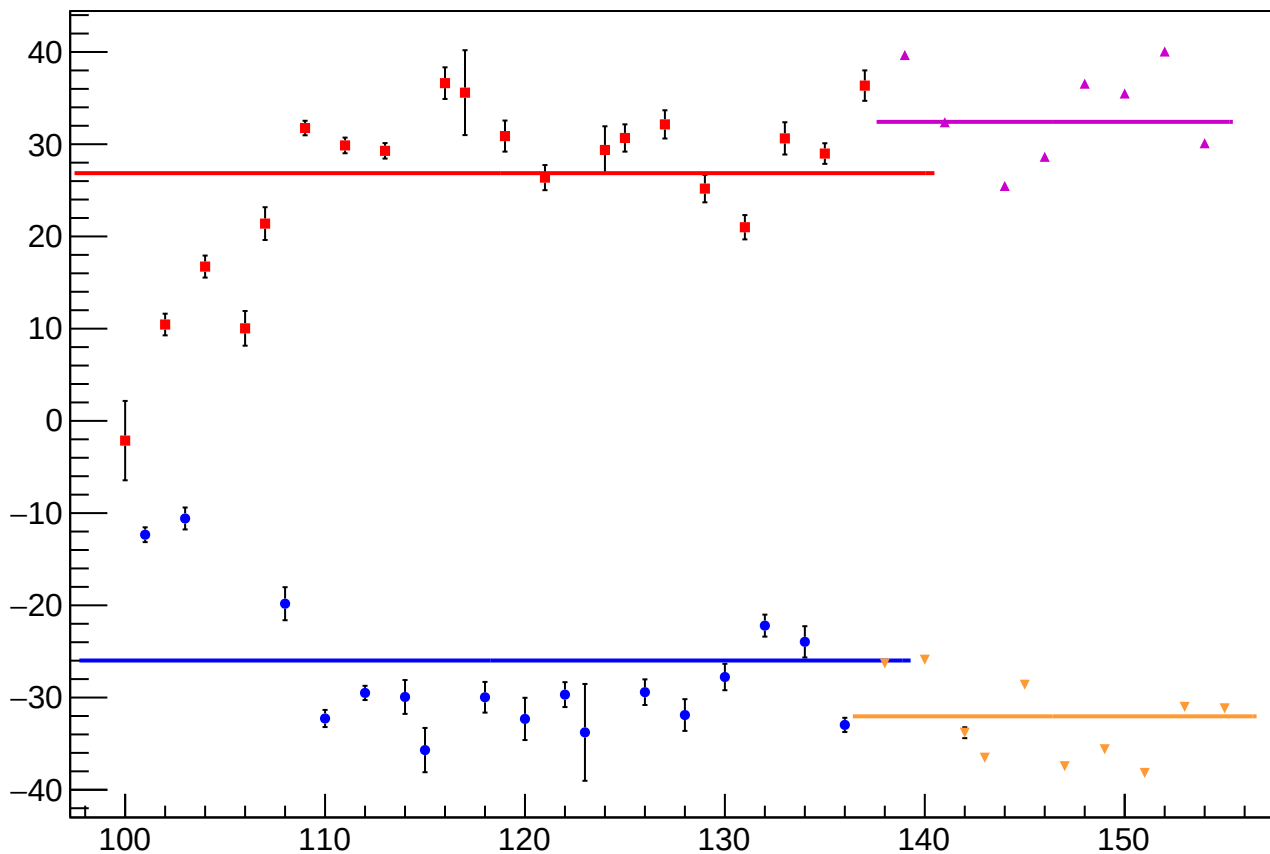
Left In: -0.926 ± 0.093 χ^2/NDF : 470.4/7

1.393 ± 0.081 χ^2/NDF : 1260.8/26

0.324 ± 0.058 χ^2/NDF : 2375.5/54

-0.772 ± 0.082 χ^2/NDF : 761.4/27

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: -32.037 ± 0.136 χ^2/NDF : 1087.7/9

Right Out: 26.861 ± 0.297 χ^2/NDF : 585.2/19

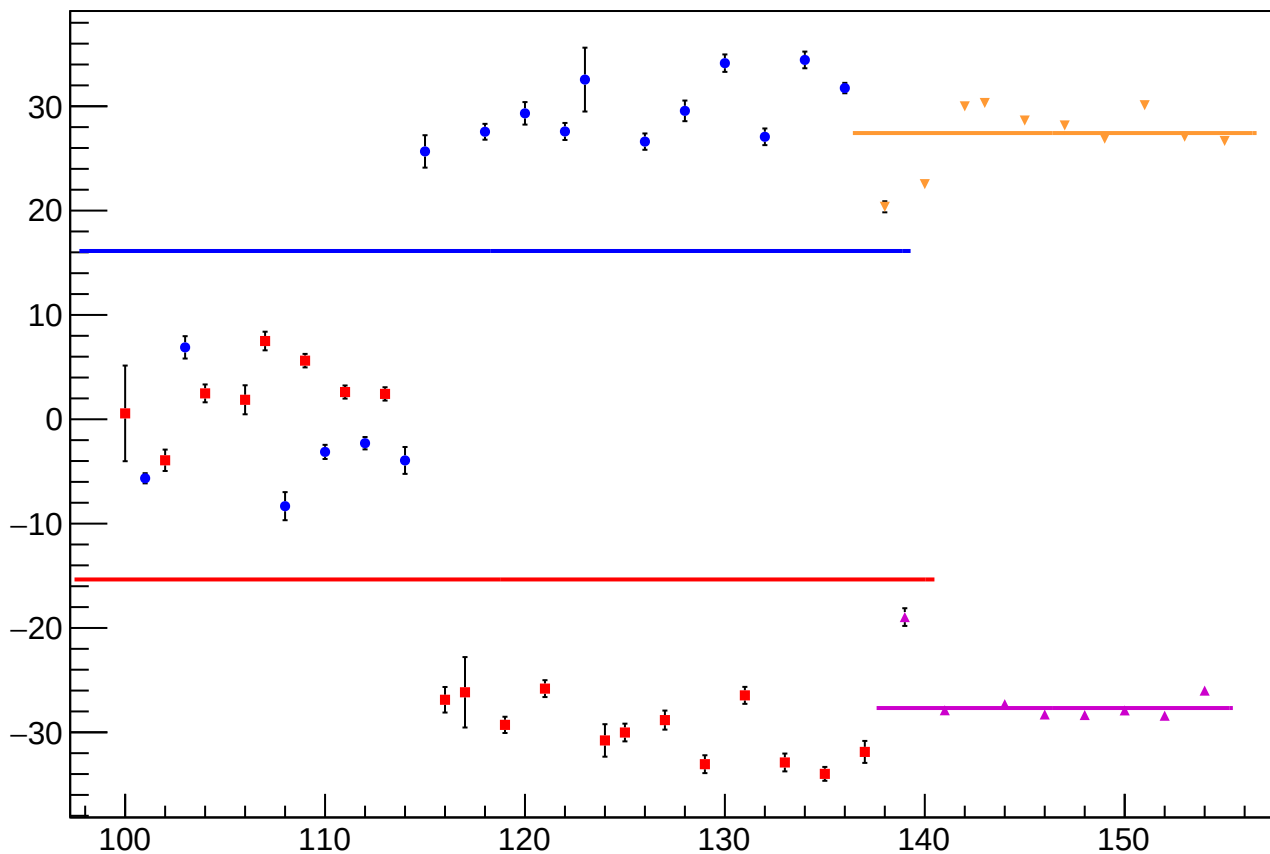
Left In: 32.424 ± 0.136 χ^2/NDF : 1313.4/7

-31.011 ± 0.124 χ^2/NDF : 2116.4/26

0.172 ± 0.088 χ^2/NDF : 131563.3/54

31.456 ± 0.124 χ^2/NDF : 2188.3/27

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: 27.431+/-0.113 χ^2/NDF : 574.0/9

Right Out: -15.352+/-0.197 χ^2/NDF : 7288.4/19

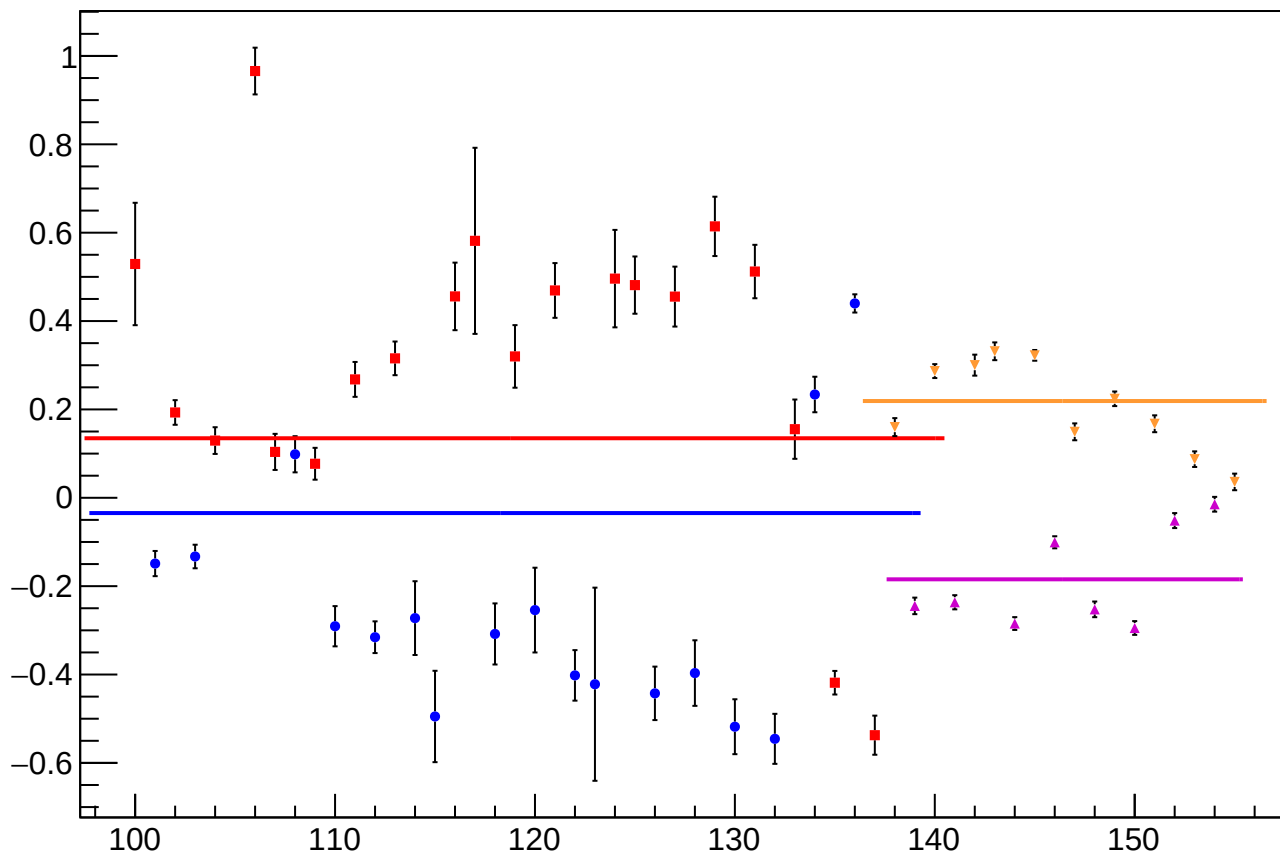
Left In: -27.673+/-0.114 χ^2/NDF : 140.8/7

24.537+/-0.097 χ^2/NDF : 10722.7/26

0.314+/-0.069 χ^2/NDF : 147060.4/54

-24.582+/-0.099 χ^2/NDF : 10368.9/27

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: 0.219 ± 0.006 χ^2/NDF : 313.8/9

Right Out: 0.135 ± 0.010 χ^2/NDF : 1166.4/19

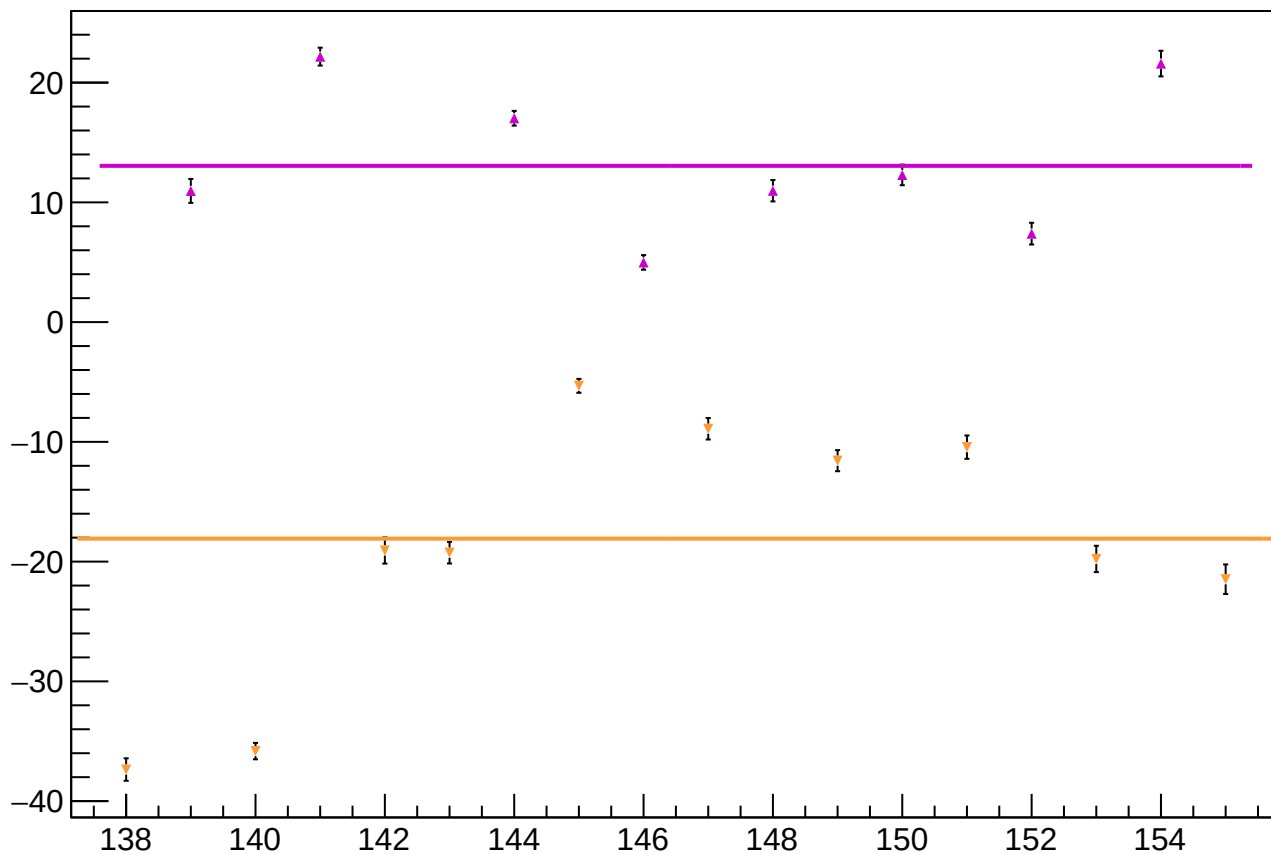
Left In: -0.185 ± 0.006 χ^2/NDF : 335.3/7

0.162 ± 0.005 χ^2/NDF : 1793.5/26

0.028 ± 0.003 χ^2/NDF : 5571.2/54

-0.111 ± 0.005 χ^2/NDF : 2232.8/27

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -18.083+/-0.274 χ^2/NDF : 1807.0/9

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

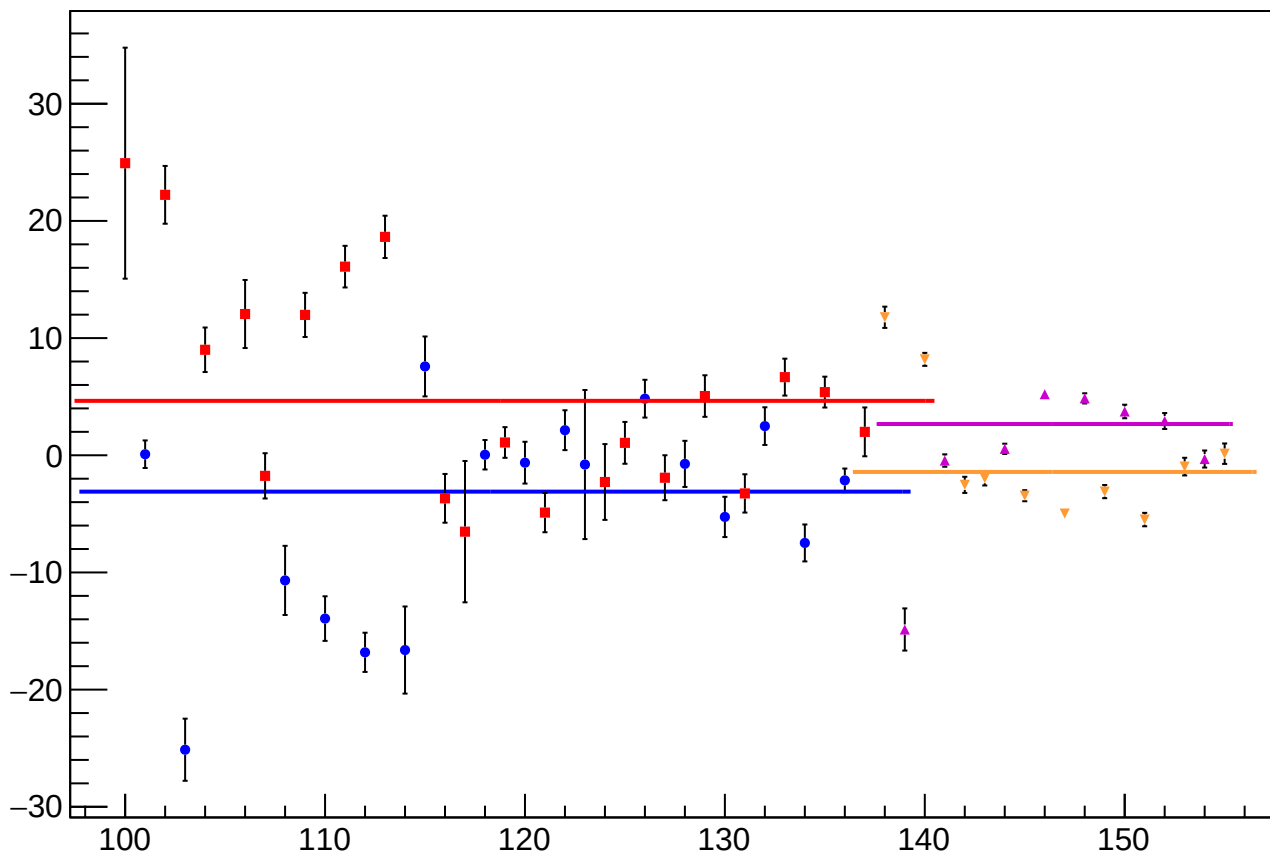
Left In: 13.050+/-0.279 χ^2/NDF : 478.0/7

-18.083+/-0.274 χ^2/NDF : 1807.0/9

-2.842+/-0.195 χ^2/NDF : 8622.6/17

13.050+/-0.279 χ^2/NDF : 478.0/7

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.104 ± 0.411 χ^2/NDF : 279.1/16

Left Out: -1.422 ± 0.187 χ^2/NDF : 665.3/9

Right Out: 4.645 ± 0.425 χ^2/NDF : 301.1/19

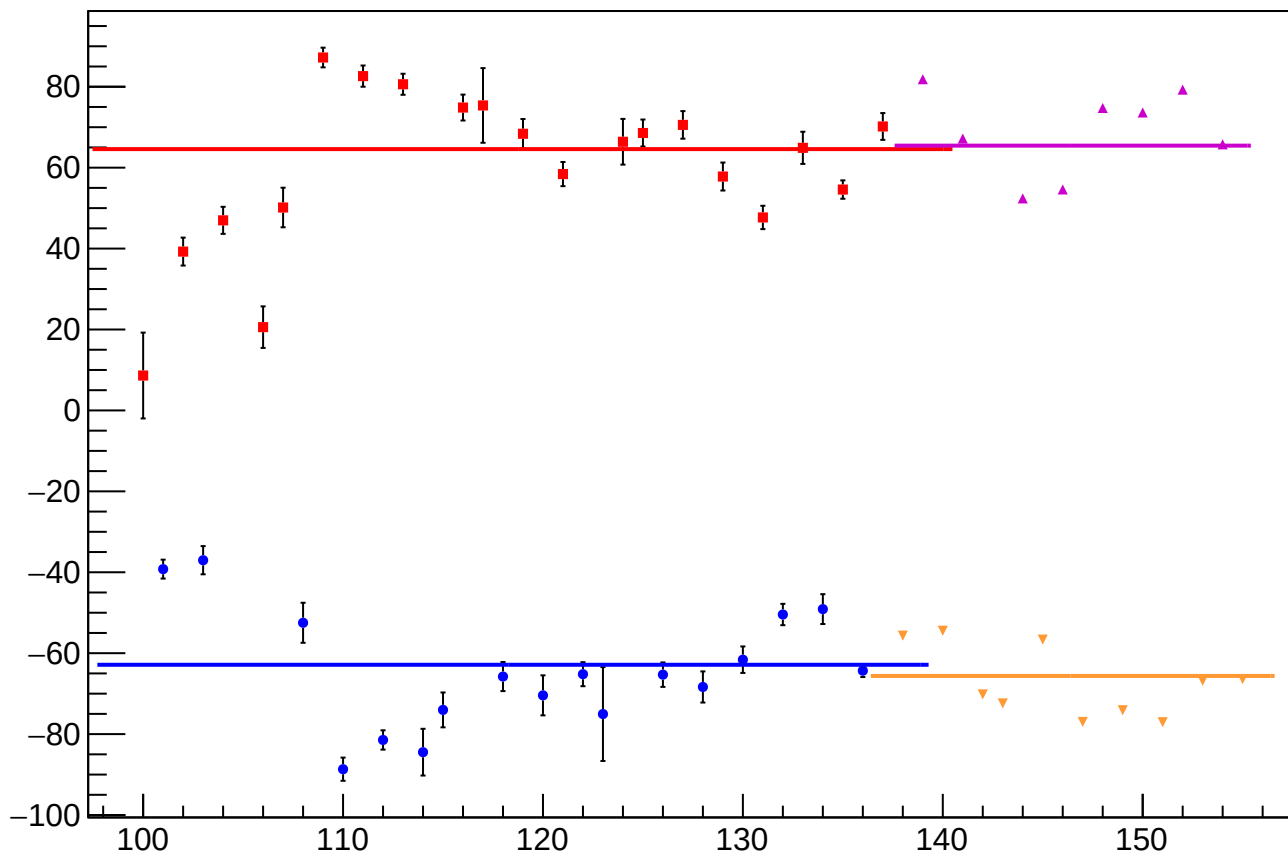
Left In: 2.667 ± 0.188 χ^2/NDF : 243.9/7

-1.711 ± 0.171 χ^2/NDF : 958.3/26

0.624 ± 0.121 χ^2/NDF : 1898.6/54

2.989 ± 0.172 χ^2/NDF : 563.1/27

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.863 ± 0.741 χ^2/NDF : 368.7/16

Left Out: -65.623 ± 0.277 χ^2/NDF : 1049.6/9

Right Out: 64.588 ± 0.749 χ^2/NDF : 445.6/19

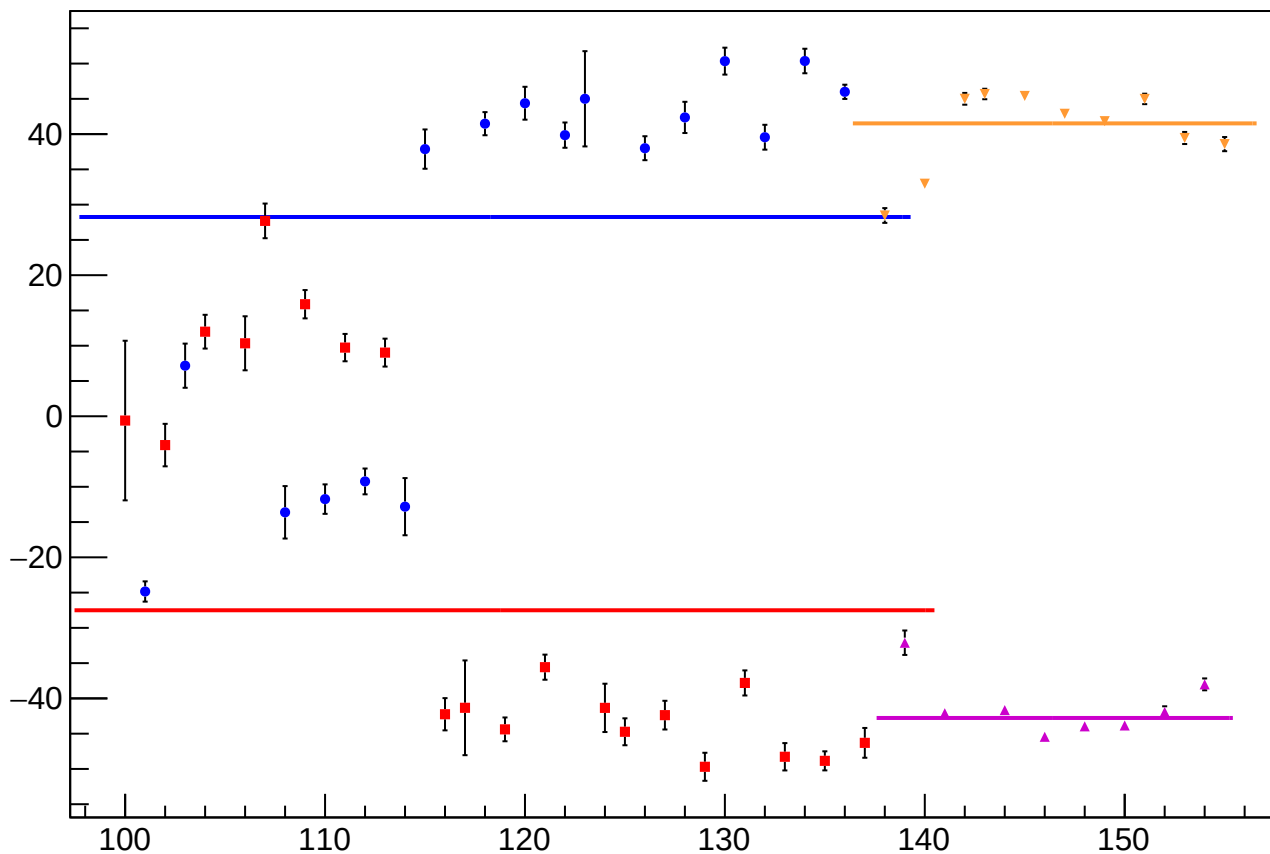
Left In: 65.444 ± 0.278 χ^2/NDF : 1450.2/7

-65.284 ± 0.259 χ^2/NDF : 1430.5/26

-0.260 ± 0.184 χ^2/NDF : 129611.9/54

65.341 ± 0.260 χ^2/NDF : 1896.9/27

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: 41.521 ± 0.230 $\chi^2/\text{NDF}: 459.1/9$

Right Out: -27.505 ± 0.478 $\chi^2/\text{NDF}: 3036.7/19$

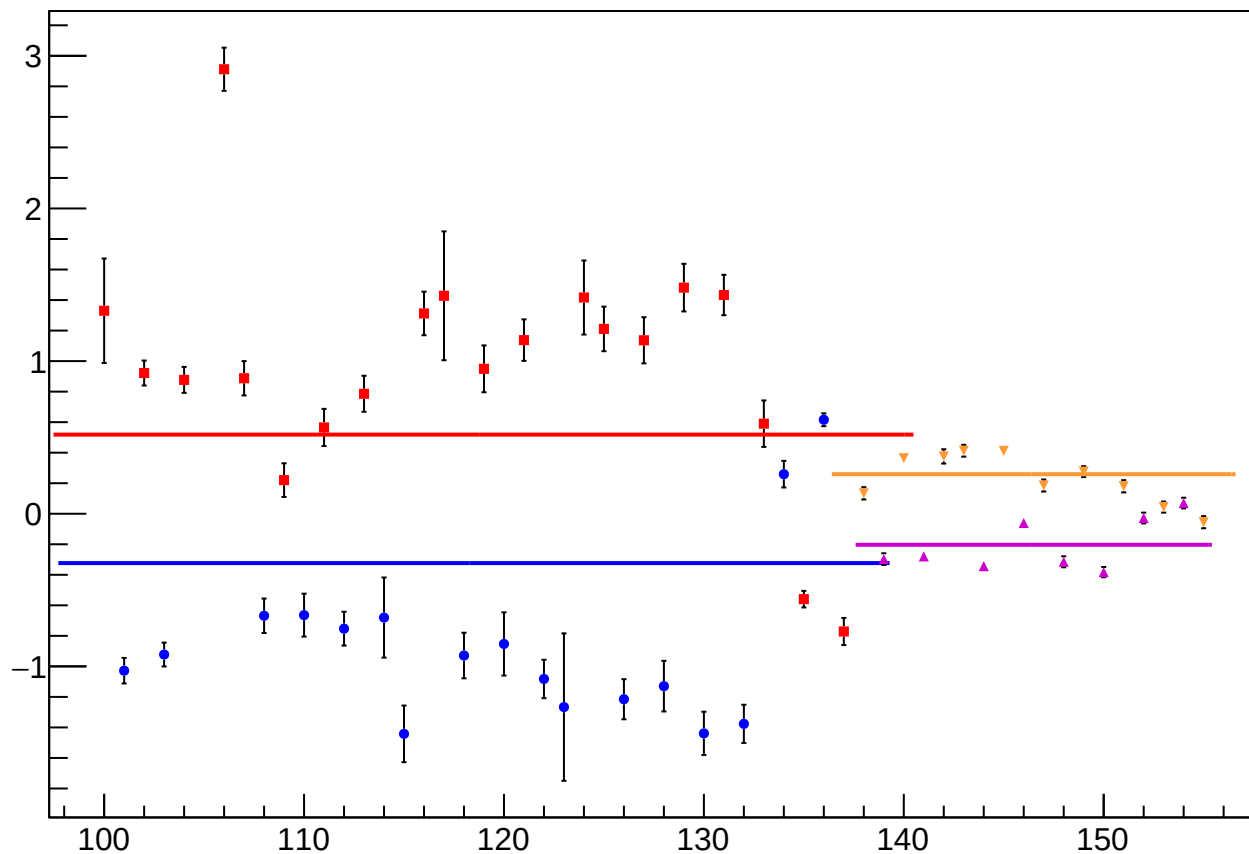
Left In: -42.773 ± 0.231 $\chi^2/\text{NDF}: 114.4/7$

38.876 ± 0.205 $\chi^2/\text{NDF}: 4444.8/26$

-0.042 ± 0.146 $\chi^2/\text{NDF}: 81070.5/54$

-39.882 ± 0.208 $\chi^2/\text{NDF}: 3979.6/27$

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.323 ± 0.025 χ^2/NDF : 1010.8/16

Left Out: 0.259 ± 0.011 χ^2/NDF : 187.0/9

Right Out: 0.518 ± 0.026 χ^2/NDF : 1165.5/19

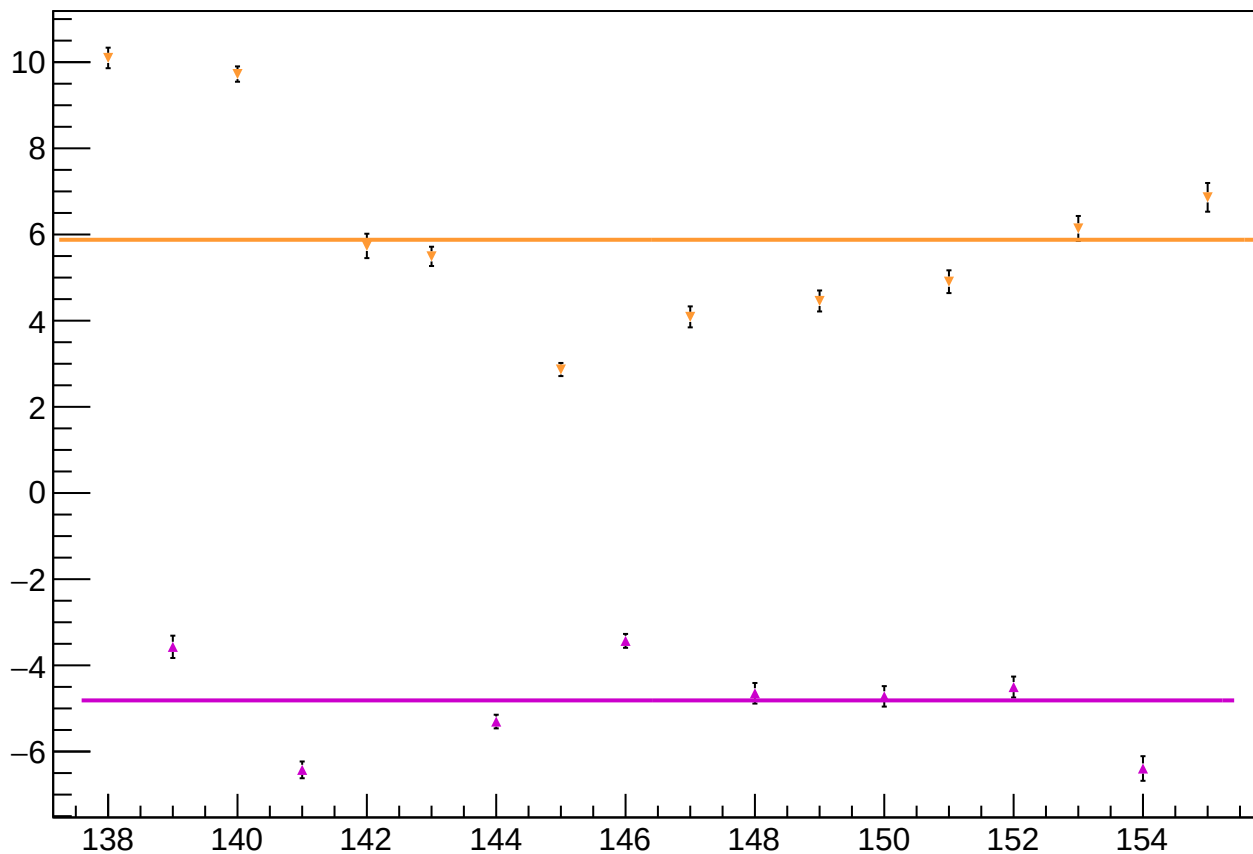
Left In: -0.203 ± 0.012 χ^2/NDF : 186.6/7

0.160 ± 0.010 χ^2/NDF : 1649.8/26

0.042 ± 0.007 χ^2/NDF : 3928.4/54

-0.082 ± 0.011 χ^2/NDF : 2007.9/27

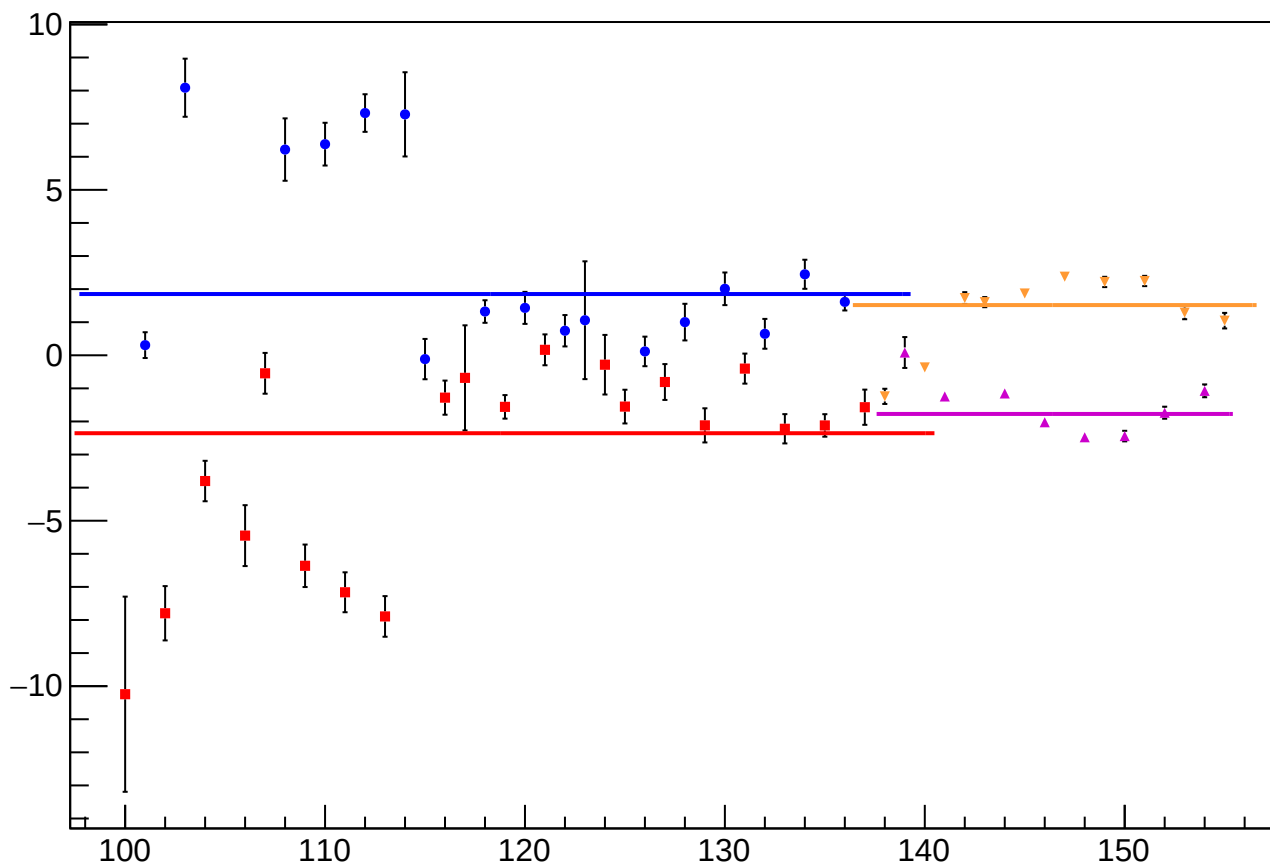
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.878+/-0.072 χ^2/NDF :1286.5/9
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -4.814+/-0.074 χ^2/NDF :207.7/7

5.878+/-0.072 χ^2/NDF : 1286.5/9
 0.669+/-0.051 χ^2/NDF : 12284.3/17
 -4.814+/-0.074 χ^2/NDF : 207.7/7

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: 1.518 ± 0.049 χ^2/NDF : 427.7/9

Right Out: -2.355 ± 0.122 χ^2/NDF : 337.4/19

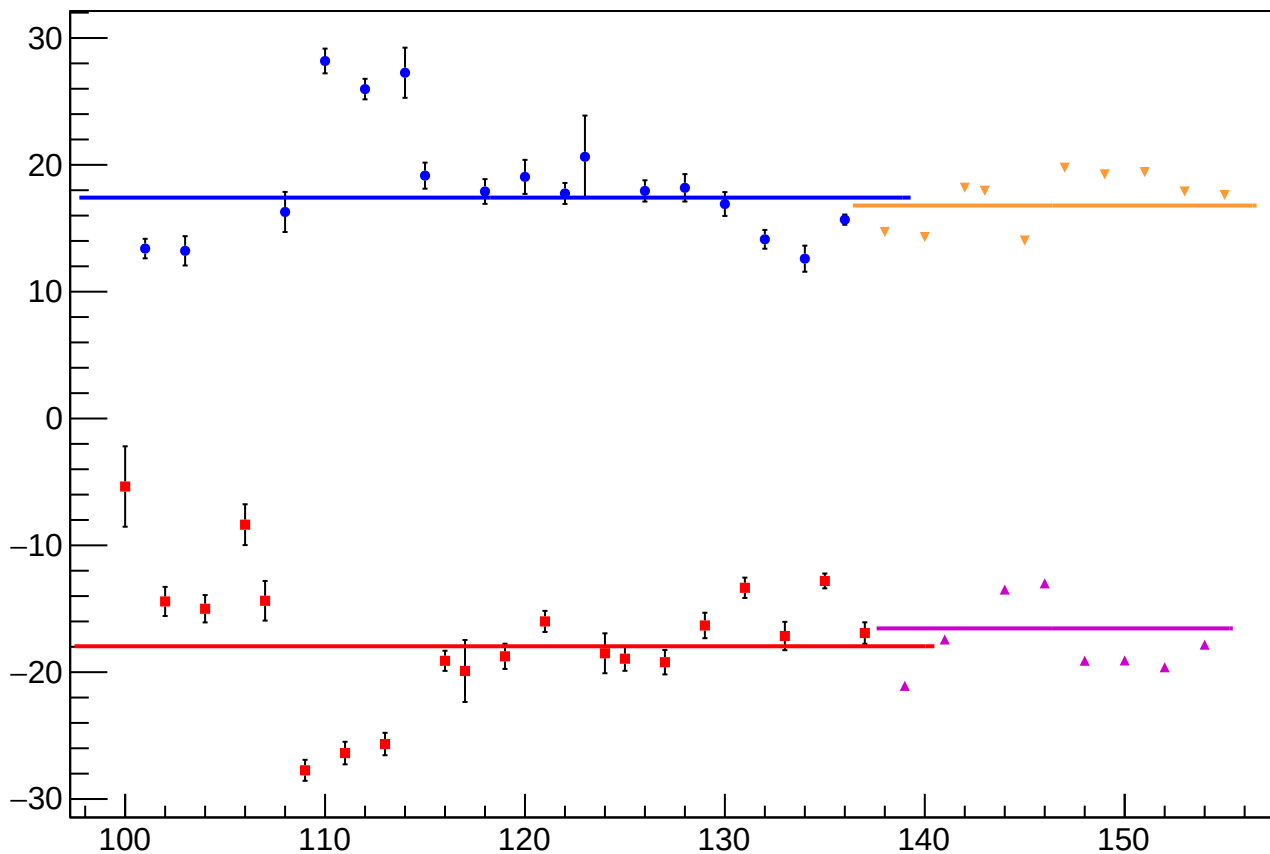
Left In: -1.773 ± 0.049 χ^2/NDF : 134.5/7

1.568 ± 0.046 χ^2/NDF : 728.7/26

-0.136 ± 0.032 χ^2/NDF : 4027.2/54

-1.855 ± 0.046 χ^2/NDF : 491.4/27

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: 16.791 ± 0.073 $\chi^2/\text{NDF}: 994.5/9$

Right Out: -17.957 ± 0.218 $\chi^2/\text{NDF}: 506.2/19$

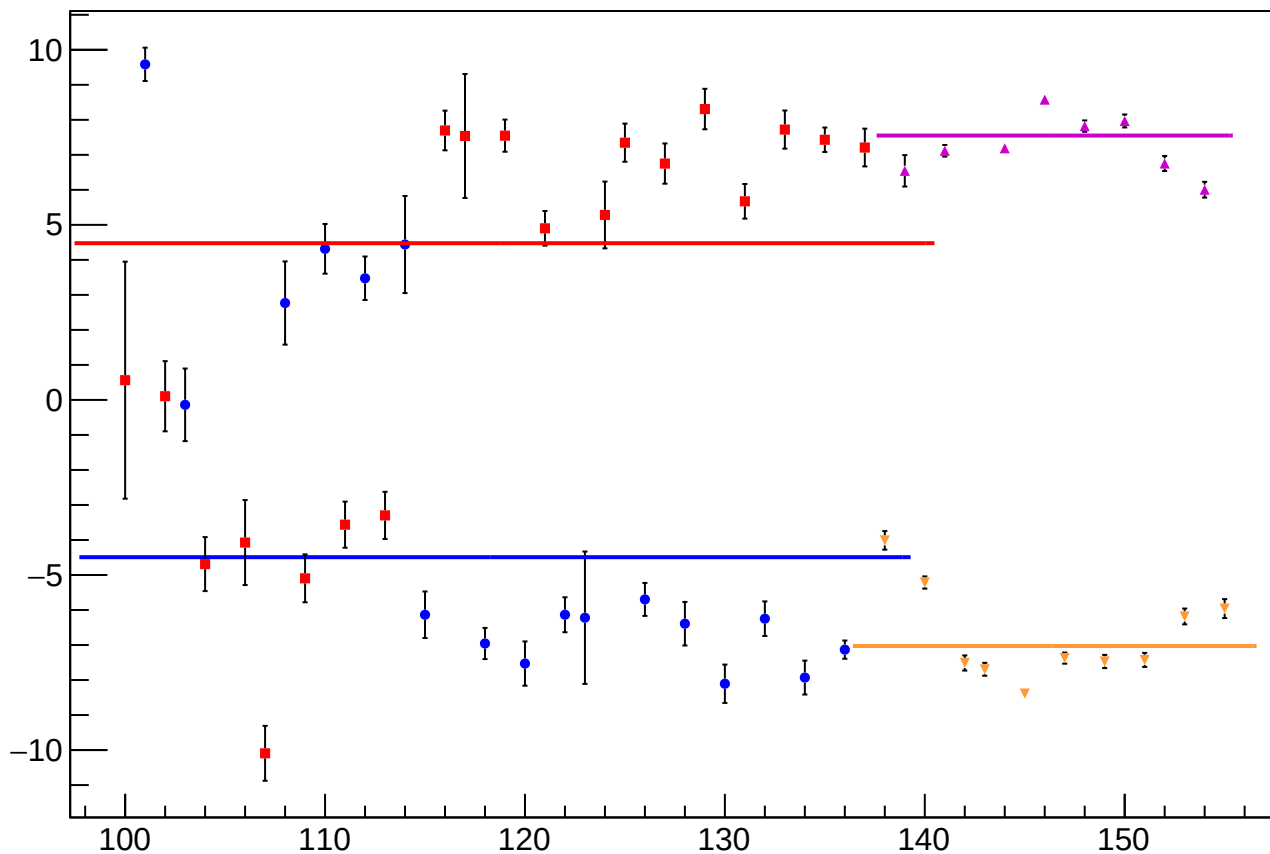
Left In: -16.549 ± 0.073 $\chi^2/\text{NDF}: 1586.6/7$

16.857 ± 0.069 $\chi^2/\text{NDF}: 1369.3/26$

0.228 ± 0.049 $\chi^2/\text{NDF}: 120683.7/54$

-16.692 ± 0.070 $\chi^2/\text{NDF}: 2130.2/27$

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.491 ± 0.130 χ^2/NDF : 1585.4/16

Left Out: -7.028 ± 0.061 χ^2/NDF : 390.3/9

Right Out: 4.476 ± 0.137 χ^2/NDF : 1342.0/19

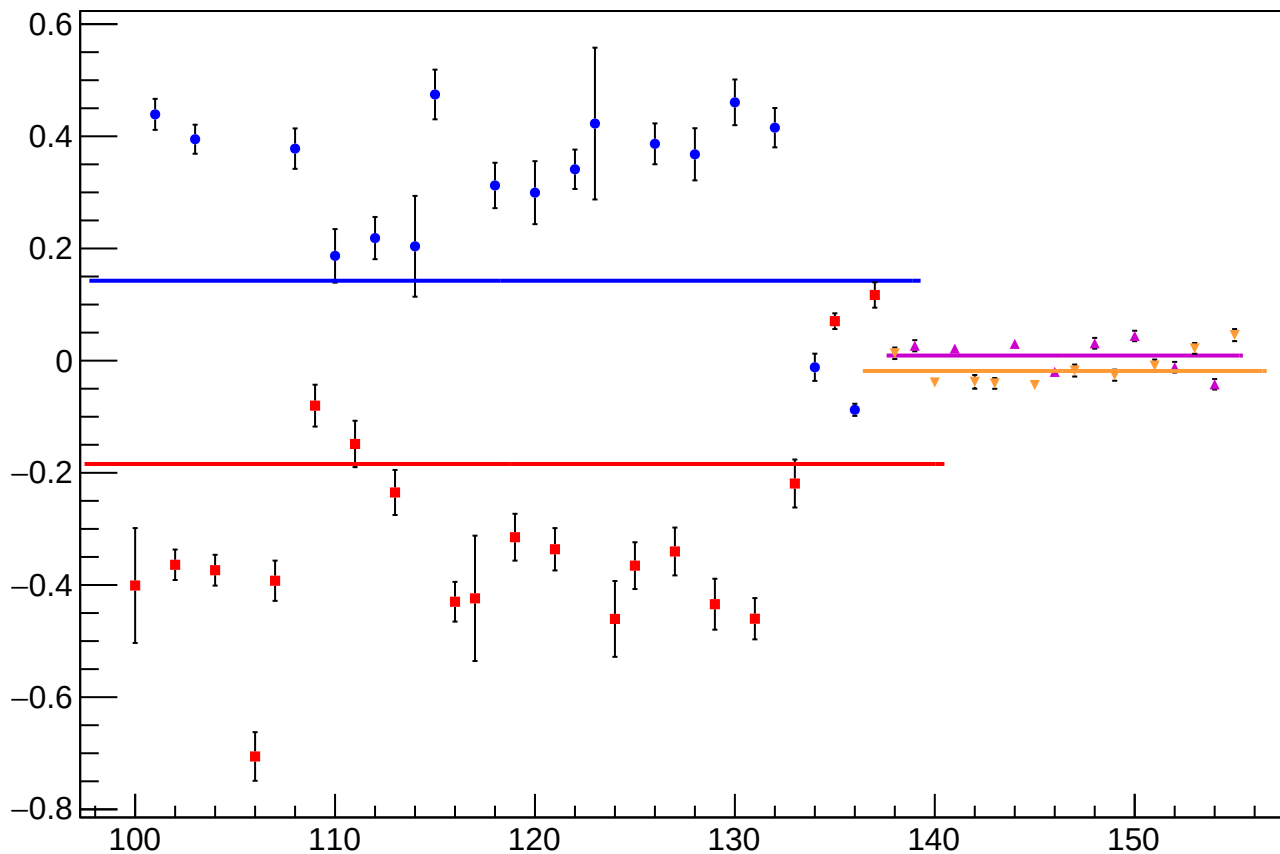
Left In: 7.551 ± 0.061 χ^2/NDF : 156.3/7

-6.578 ± 0.055 χ^2/NDF : 2286.8/26

0.145 ± 0.039 χ^2/NDF : 34601.5/54

7.042 ± 0.056 χ^2/NDF : 1921.0/27

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.142 ± 0.007 $\chi^2/\text{NDF}: 1058.8/16$

Left Out: -0.018 ± 0.003 $\chi^2/\text{NDF}: 93.2/9$

Right Out: -0.184 ± 0.007 $\chi^2/\text{NDF}: 1005.5/19$

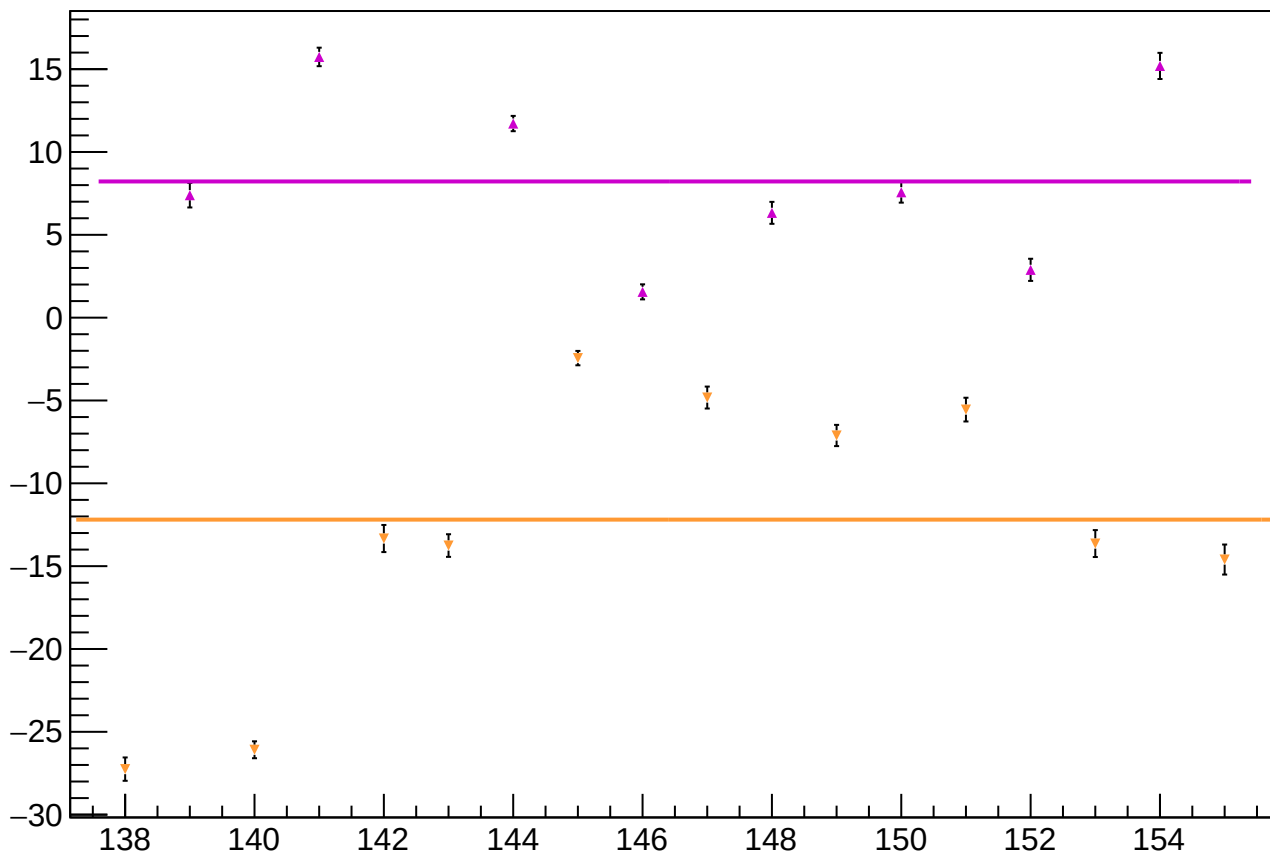
Left In: 0.009 ± 0.003 $\chi^2/\text{NDF}: 84.0/7$

0.006 ± 0.003 $\chi^2/\text{NDF}: 1592.0/26$

-0.006 ± 0.002 $\chi^2/\text{NDF}: 3305.7/54$

-0.019 ± 0.003 $\chi^2/\text{NDF}: 1673.9/27$

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: -12.191+/-0.203 χ^2/NDF :1991.3/9

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

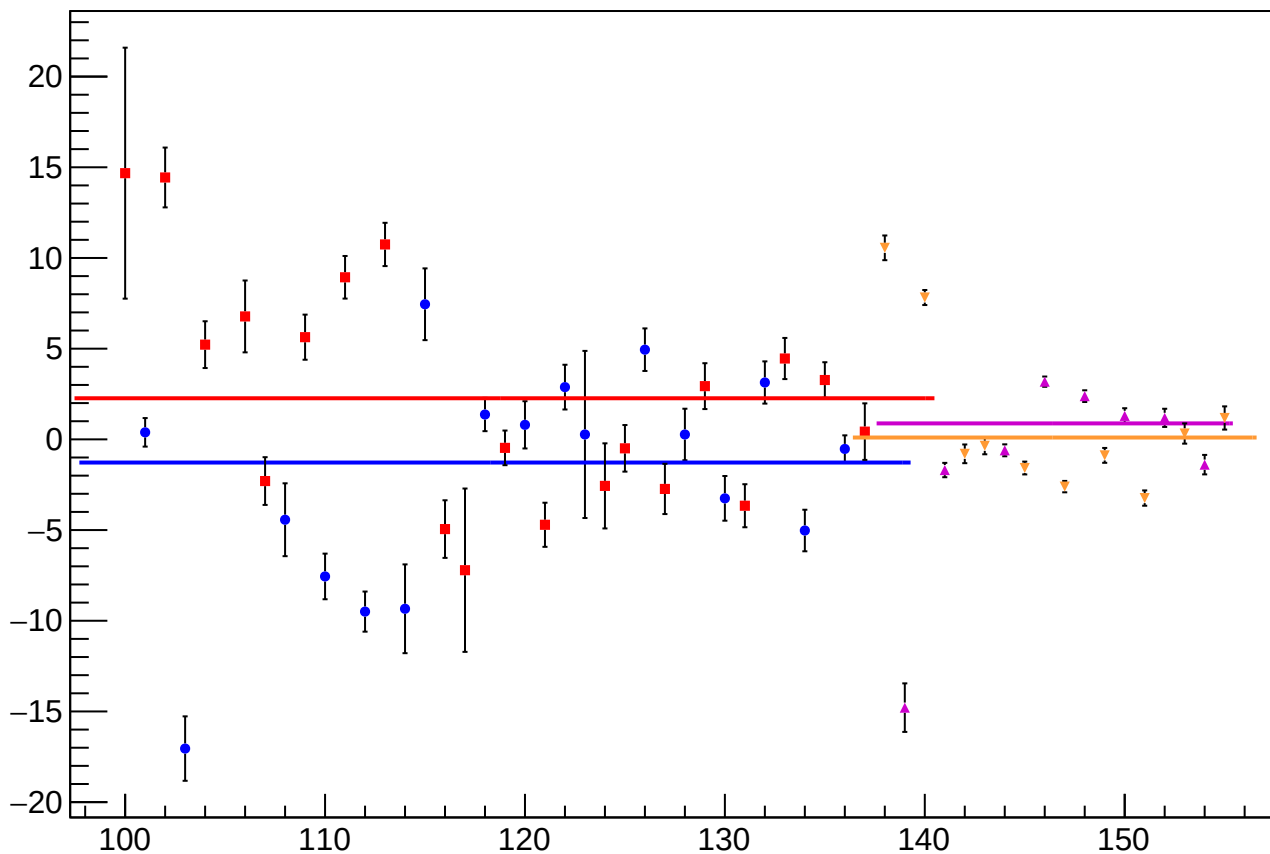
Left In: 8.221+/-0.208 χ^2/NDF :605.7/7

-12.191+/-0.203 χ^2/NDF : 1991.3/9

-2.191+/-0.145 χ^2/NDF : 7532.9/17

8.221+/-0.208 χ^2/NDF : 605.7/7

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.278+/-0.292 χ^2/NDF : 276.5/16

Left Out: 0.102+/-0.139 χ^2/NDF : 755.1/9

Right Out: 2.266+/-0.302 χ^2/NDF : 289.8/19

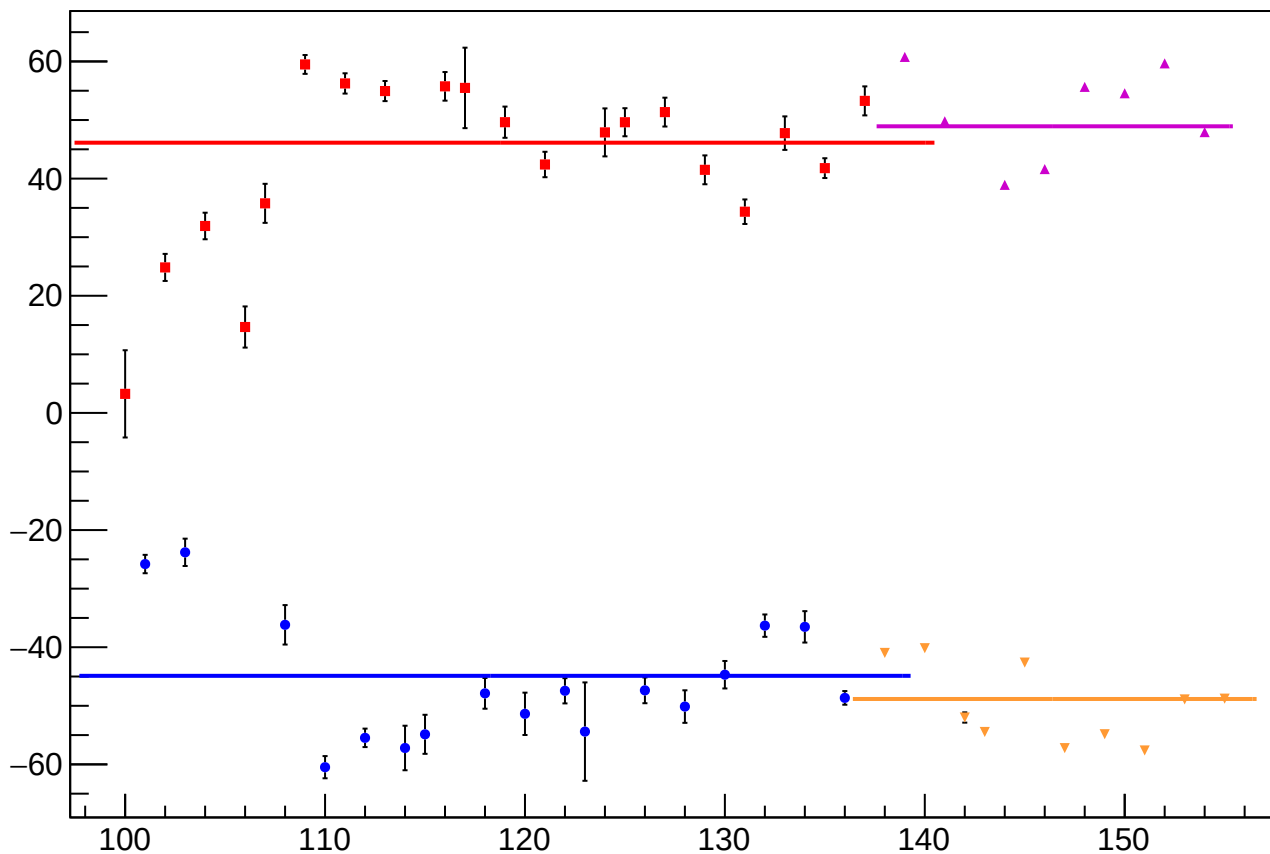
Left In: 0.880+/-0.140 χ^2/NDF : 306.8/7

-0.153+/-0.126 χ^2/NDF : 1049.8/26

0.480+/-0.089 χ^2/NDF : 1715.0/54

1.125+/-0.127 χ^2/NDF : 613.9/27

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -44.883 ± 0.524 χ^2/NDF : 421.0/16

Left Out: -48.836 ± 0.205 χ^2/NDF : 1064.1/9

Right Out: 46.130 ± 0.527 χ^2/NDF : 456.1/19

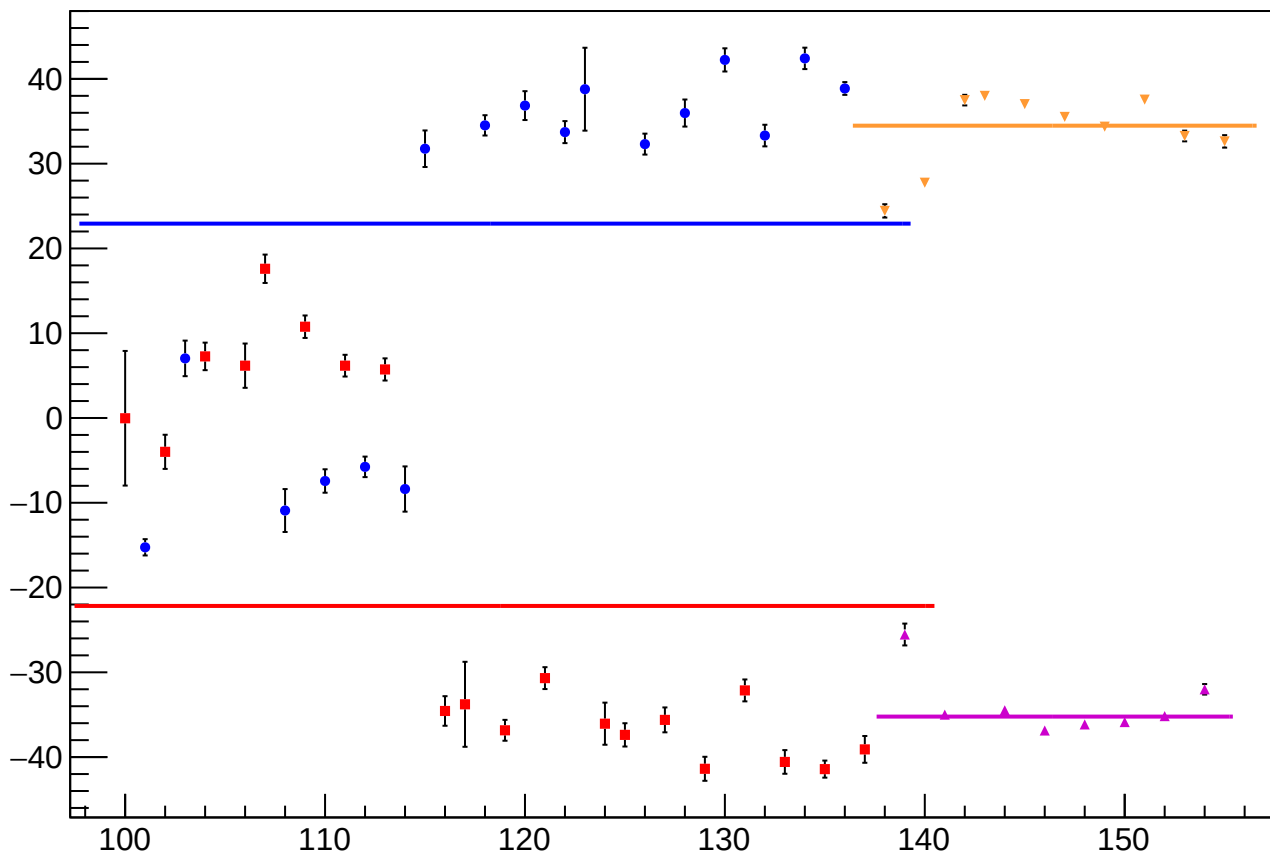
Left In: 48.928 ± 0.206 χ^2/NDF : 1401.7/7

-48.310 ± 0.191 χ^2/NDF : 1534.3/26

-0.049 ± 0.136 χ^2/NDF : 131121.3/54

48.557 ± 0.192 χ^2/NDF : 1882.3/27

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: 34.481+/-0.170 χ^2/NDF : 492.3/9

Right Out: -22.170+/-0.339 χ^2/NDF : 4038.8/19

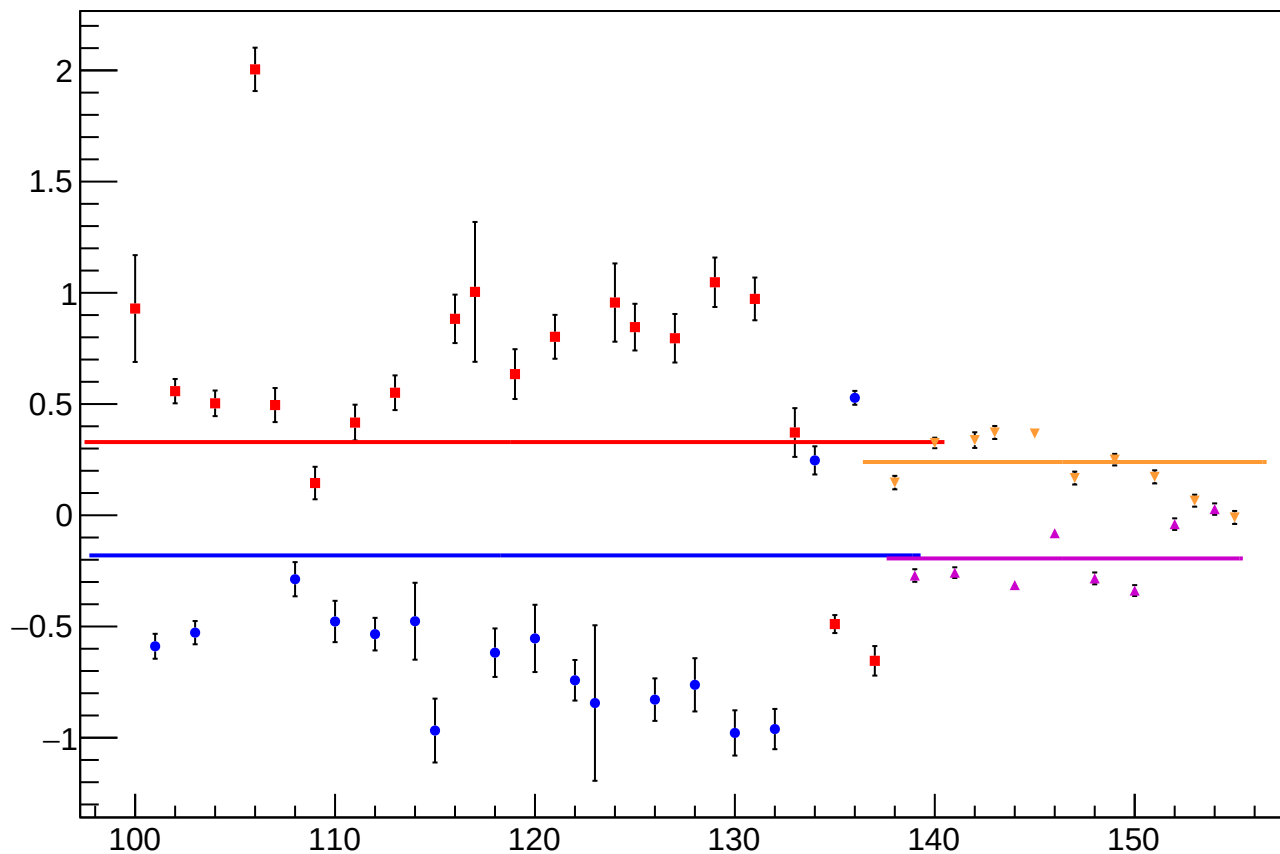
Left In: -35.222+/-0.172 χ^2/NDF : 114.4/7

32.026+/-0.151 χ^2/NDF : 5799.5/26

0.125+/-0.108 χ^2/NDF : 101230.8/54

-32.564+/-0.153 χ^2/NDF : 5332.3/27

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 : 226.6/9

Right Out: 0.329 ± 0.018 χ^2/NDF : 1180.2/19

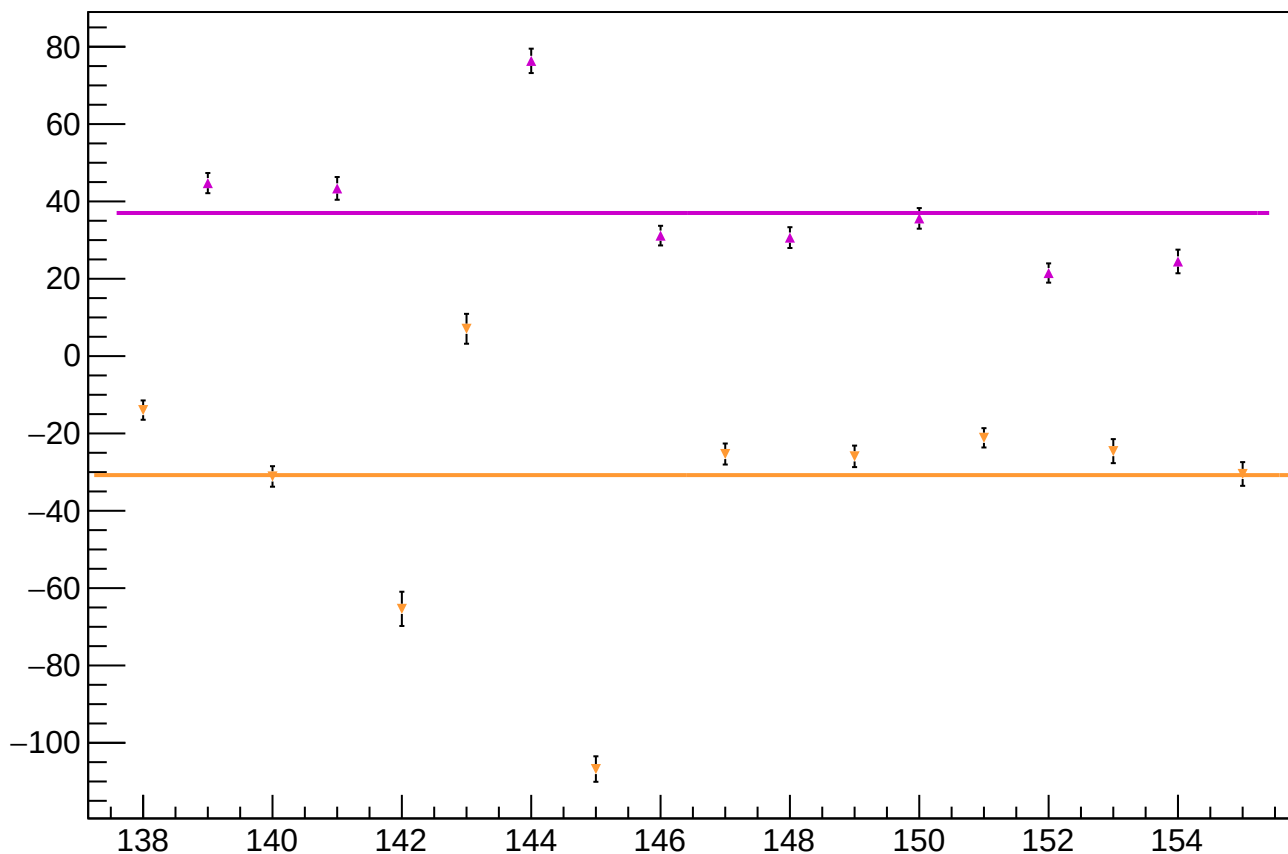
Left In: -0.194 ± 0.009 χ^2/NDF : 231.8/7

0.163 ± 0.008 χ^2/NDF : 1679.4/26

0.035 ± 0.005 χ^2/NDF : 4353.9/54

-0.099 ± 0.008 χ^2/NDF : 2090.2/27

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -30.772+/-0.934 χ^2/NDF : 759.9/9

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

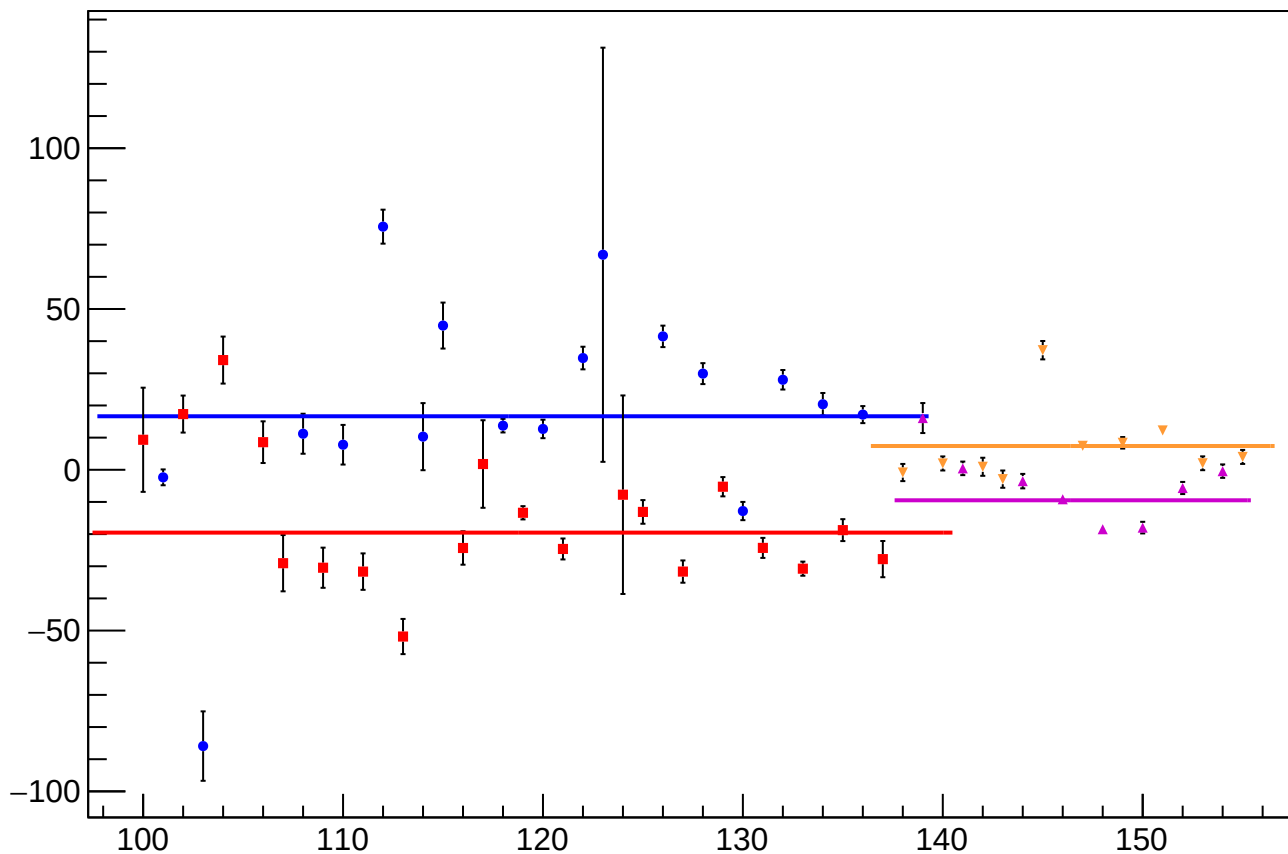
Left In: 37.010+/-0.969 χ^2/NDF : 236.0/7

-30.772+/-0.934 χ^2/NDF : 759.9/9

1.875+/-0.672 χ^2/NDF : 3534.2/17

37.010+/-0.969 χ^2/NDF : 236.0/7

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.641 ± 0.859 χ^2/NDF : 518.9/16

Left Out: 7.394 ± 0.623 χ^2/NDF : 165.1/9

Right Out: -19.540 ± 0.894 χ^2/NDF : 244.1/19

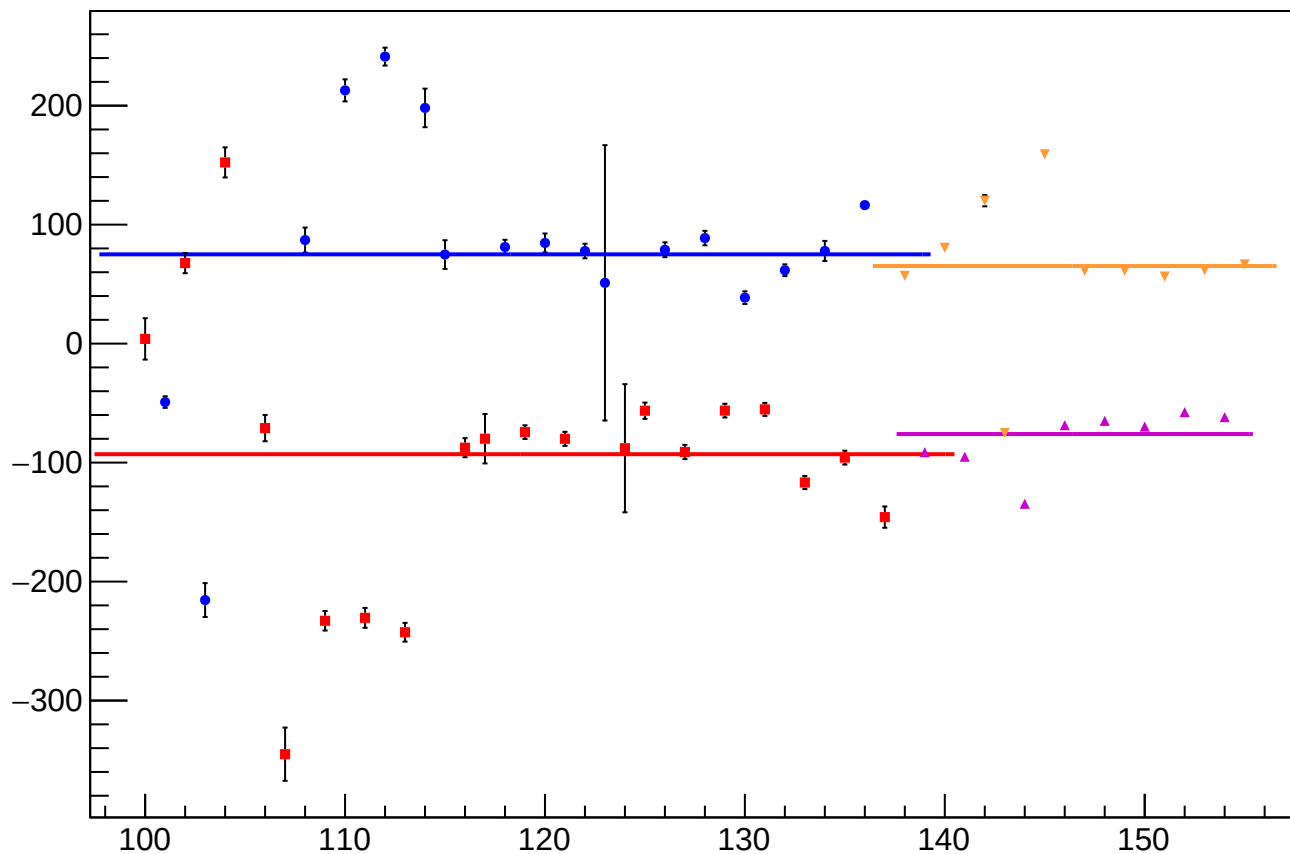
Left In: -9.487 ± 0.656 χ^2/NDF : 151.8/7

10.583 ± 0.504 χ^2/NDF : 759.9/26

-0.650 ± 0.365 χ^2/NDF : 2279.8/54

-13.001 ± 0.529 χ^2/NDF : 478.1/27

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 75.032 ± 1.647 χ^2/NDF : 1999.7/16

Left Out: 65.210 ± 0.924 χ^2/NDF : 2102.0/9

Right Out: -92.940 ± 1.706 χ^2/NDF : 2004.0/19

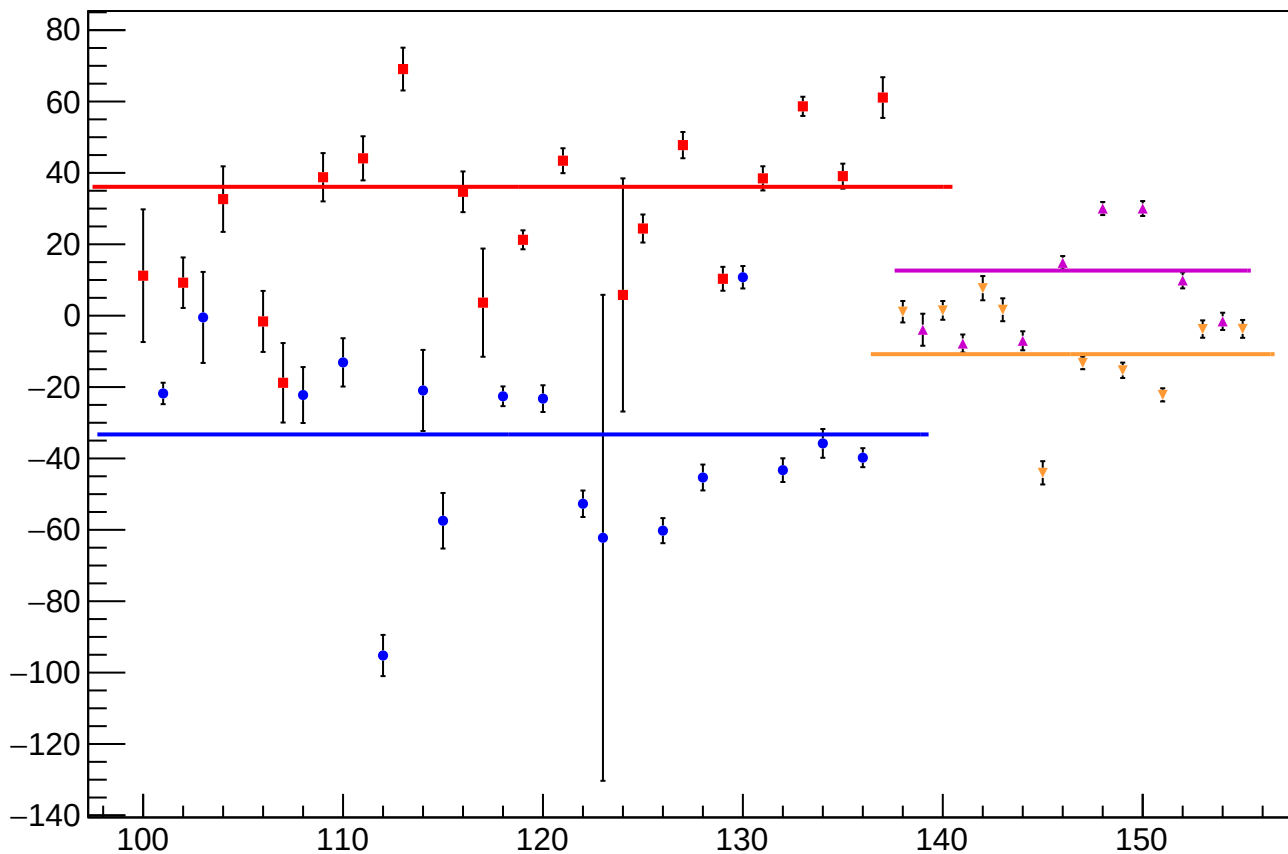
Left In: -75.986 ± 0.952 χ^2/NDF : 488.5/7

67.564 ± 0.806 χ^2/NDF : 4128.7/26

-3.941 ± 0.579 χ^2/NDF : 22935.8/54

-80.015 ± 0.831 χ^2/NDF : 2567.9/27

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.272 ± 0.982 χ^2/NDF : 489.4/16

Left Out: -10.784 ± 0.770 χ^2/NDF : 247.0/9

Right Out: 36.103 ± 1.022 χ^2/NDF : 302.3/19

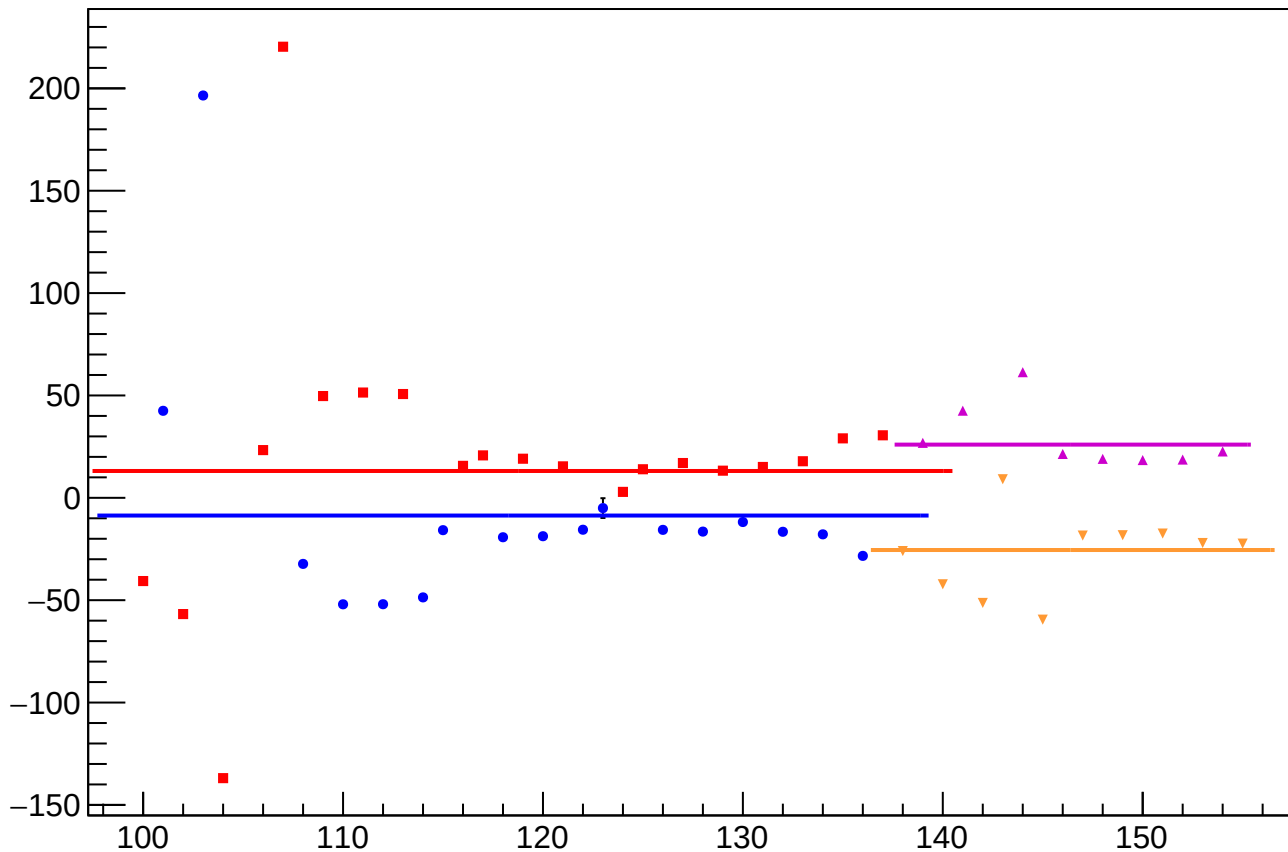
Left In: 12.636 ± 0.810 χ^2/NDF : 330.5/7

-19.344 ± 0.606 χ^2/NDF : 1061.2/26

0.222 ± 0.438 χ^2/NDF : 4205.3/54

21.691 ± 0.635 χ^2/NDF : 956.8/27

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: -25.493 ± 0.037 $\chi^2/\text{NDF}: 160000.5/9$

Right Out: 13.109 ± 0.062 $\chi^2/\text{NDF}: 558383.6/19$

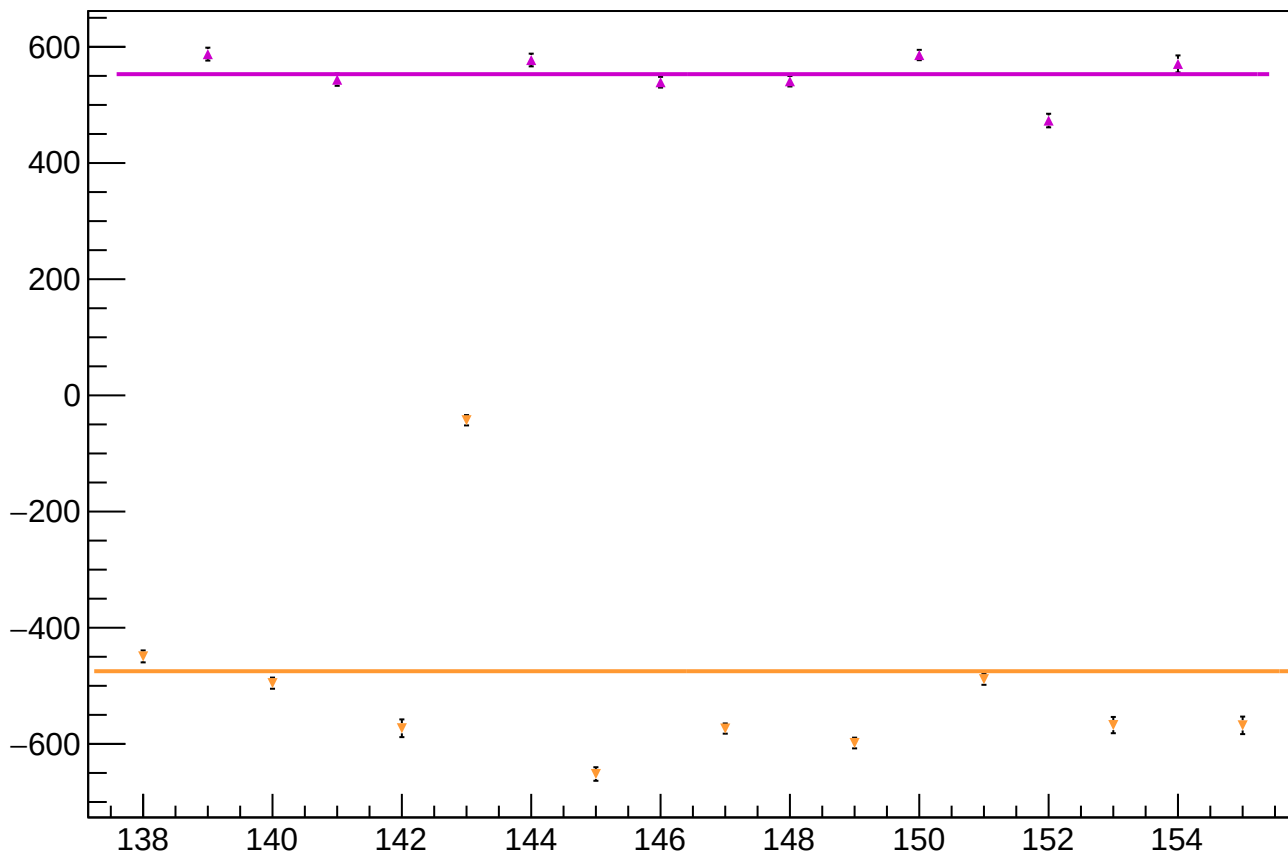
Left In: 25.989 ± 0.039 $\chi^2/\text{NDF}: 92497.1/7$

-20.676 ± 0.032 $\chi^2/\text{NDF}: 793708.2/26$

0.134 ± 0.023 $\chi^2/\text{NDF}: 2372882.4/54$

22.377 ± 0.033 $\chi^2/\text{NDF}: 682239.7/27$

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -474.854+/-3.345 χ^2/NDF : 3027.5/9

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

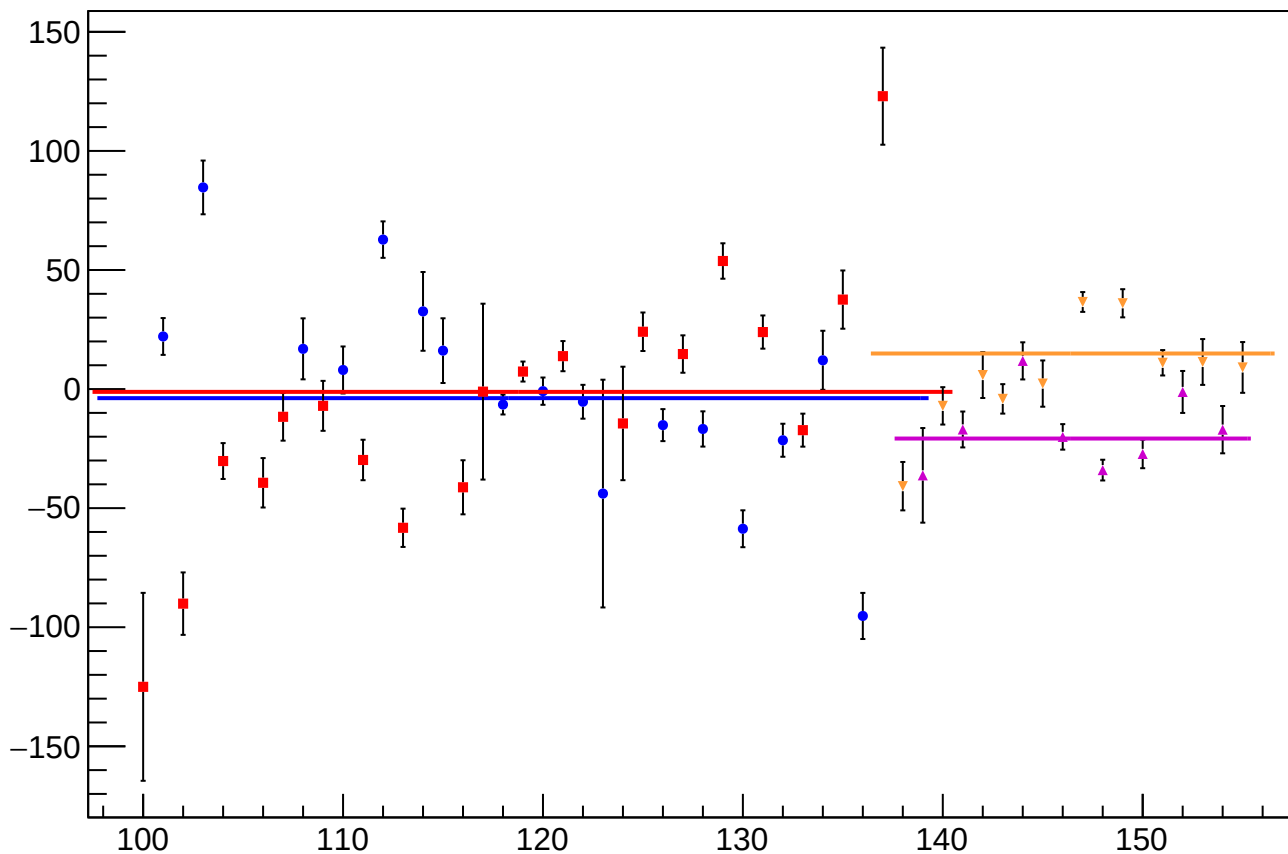
Left In: 552.978+/-3.672 χ^2/NDF : 81.3/7

-474.854+/-3.345 χ^2/NDF : 3027.5/9

-8.711+/-2.473 χ^2/NDF : 45925.0/17

552.978+/-3.672 χ^2/NDF : 81.3/7

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.815 ± 1.923 χ^2/NDF : 314.3/16

Left Out: 14.936 ± 2.159 χ^2/NDF : 90.7/9

Right Out: -1.175 ± 1.911 χ^2/NDF : 303.9/19

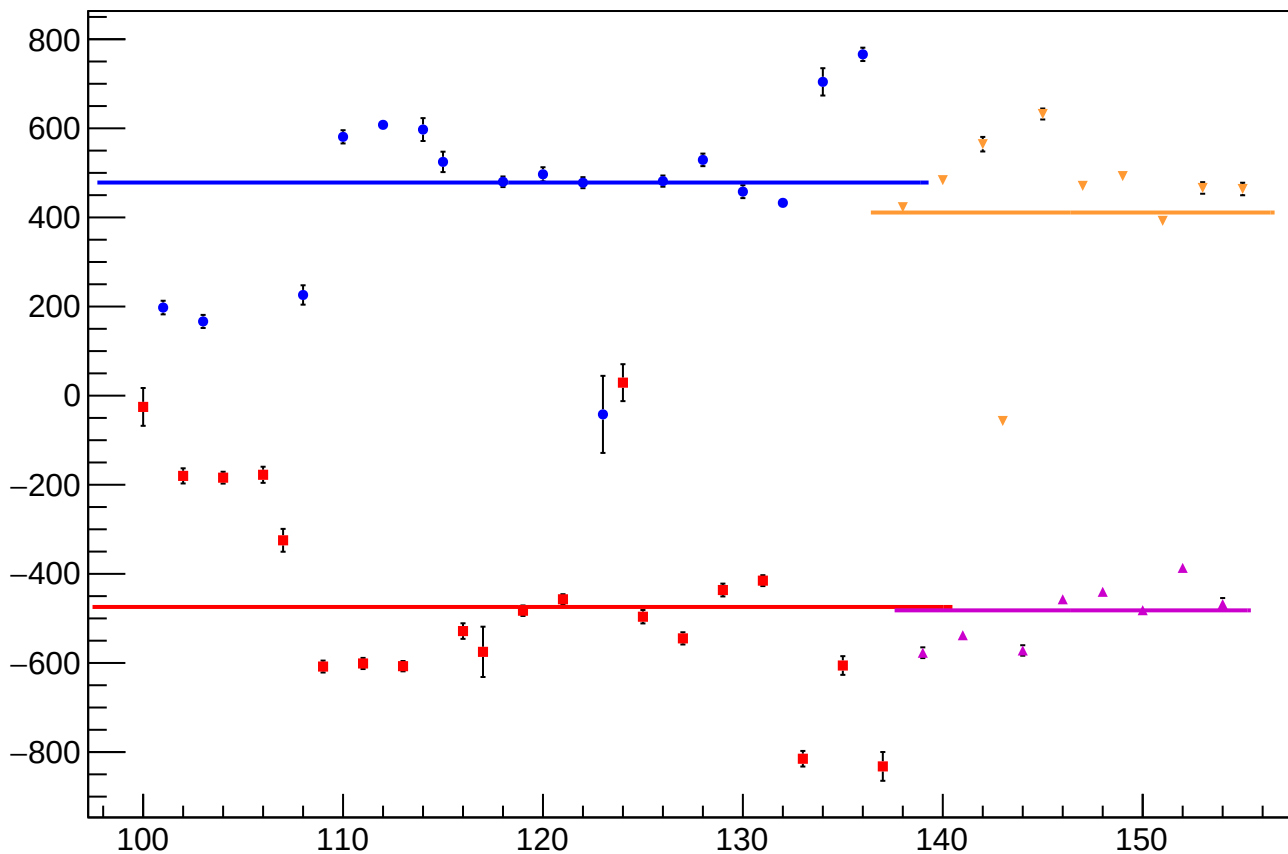
Left In: -20.772 ± 2.390 χ^2/NDF : 33.9/7

4.479 ± 1.436 χ^2/NDF : 447.0/26

-1.911 ± 1.035 χ^2/NDF : 867.0/54

-8.818 ± 1.493 χ^2/NDF : 378.7/27

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 478.334 $\pm$ 3.662 χ^2/NDF : 1628.8/16

Left Out: 411.028 $\pm$ 3.333 χ^2/NDF :3068.1/9

Right Out: -474.296 $\pm$ 3.524 χ^2/NDF : 2288.2/19

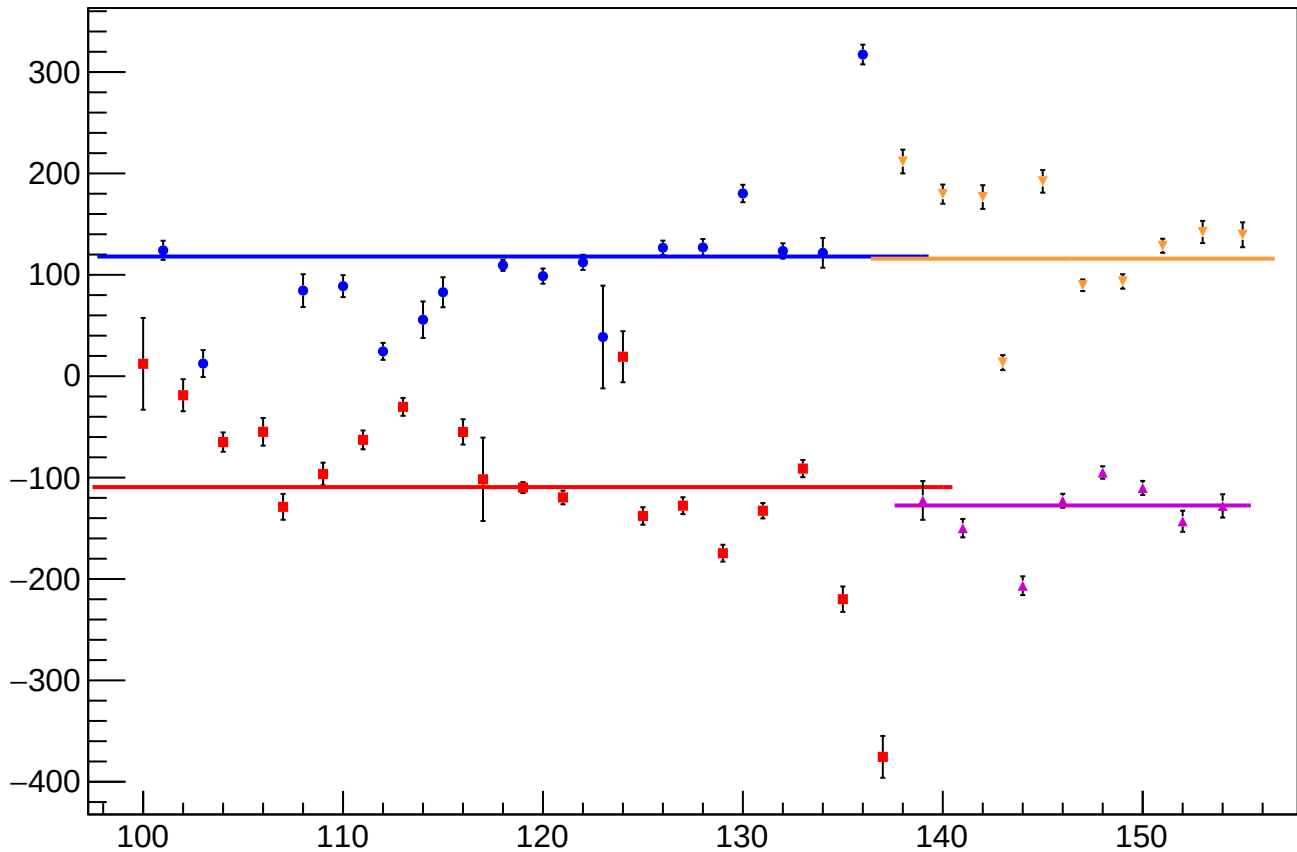
Left In: -481.933 $\pm$ 3.606 χ^2/NDF :252.0/7

441.518 $\pm$ 2.465 χ^2/NDF : 4881.7/26

-8.030 $\pm$ 1.762 χ^2/NDF : 75468.1/54

-478.027 $\pm$ 2.520 χ^2/NDF : 2542.5/27

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: 115.921 $\pm$ 2.694 χ^2/NDF : 421.4/9

Right Out: -109.345 $\pm$ 2.202 χ^2/NDF : 569.8/19

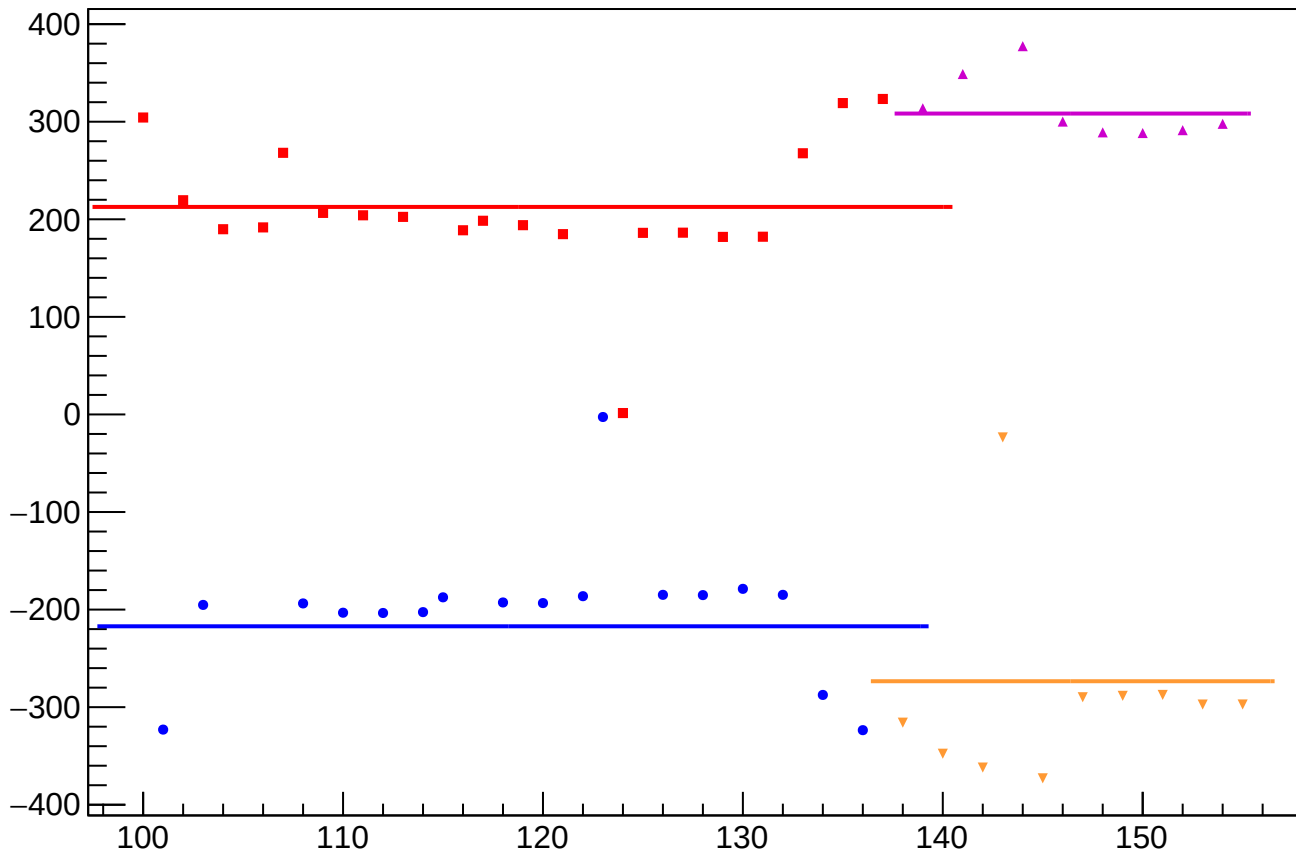
Left In: -127.474 $\pm$ 2.985 χ^2/NDF : 116.7/7

117.190 $\pm$ 1.716 χ^2/NDF : 1127.1/26

4.479 $\pm$ 1.233 χ^2/NDF : 10755.4/54

-115.732 $\pm$ 1.772 χ^2/NDF : 710.4/27

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -217.120+/-0.137 χ^2/NDF : 146559.7/16

Left Out: -273.424+/-0.138 χ^2/NDF : 538702.4/9

Right Out: 212.679+/-0.130 χ^2/NDF : 115596.4/19

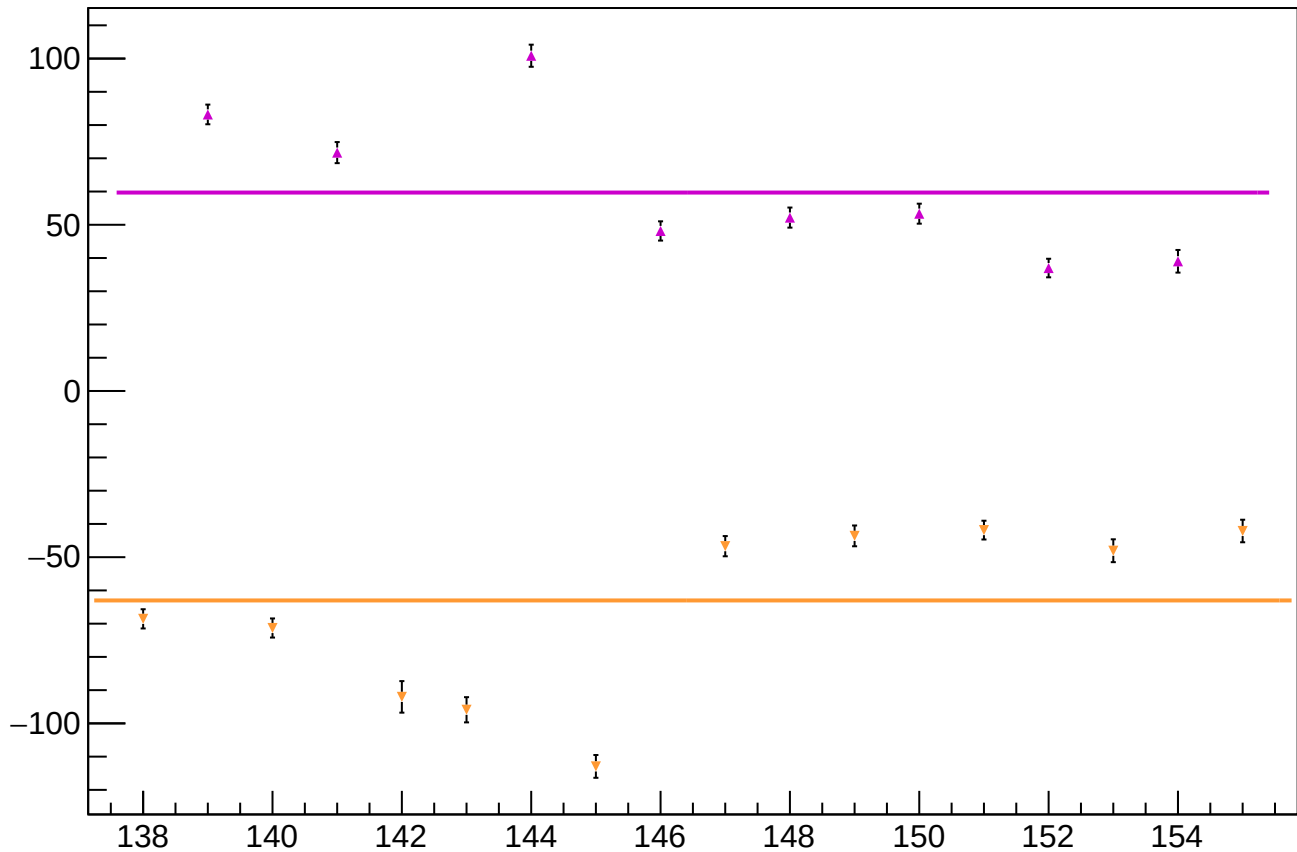
Left In: 308.363+/-0.149 χ^2/NDF : 34622.2/7

-244.961+/-0.097 χ^2/NDF : 769299.9/26

2.755+/-0.069 χ^2/NDF : 14266963.7/54

254.184+/-0.098 χ^2/NDF : 385167.1/27

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -63.014+/-1.028 χ^2/NDF : 517.1/9

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

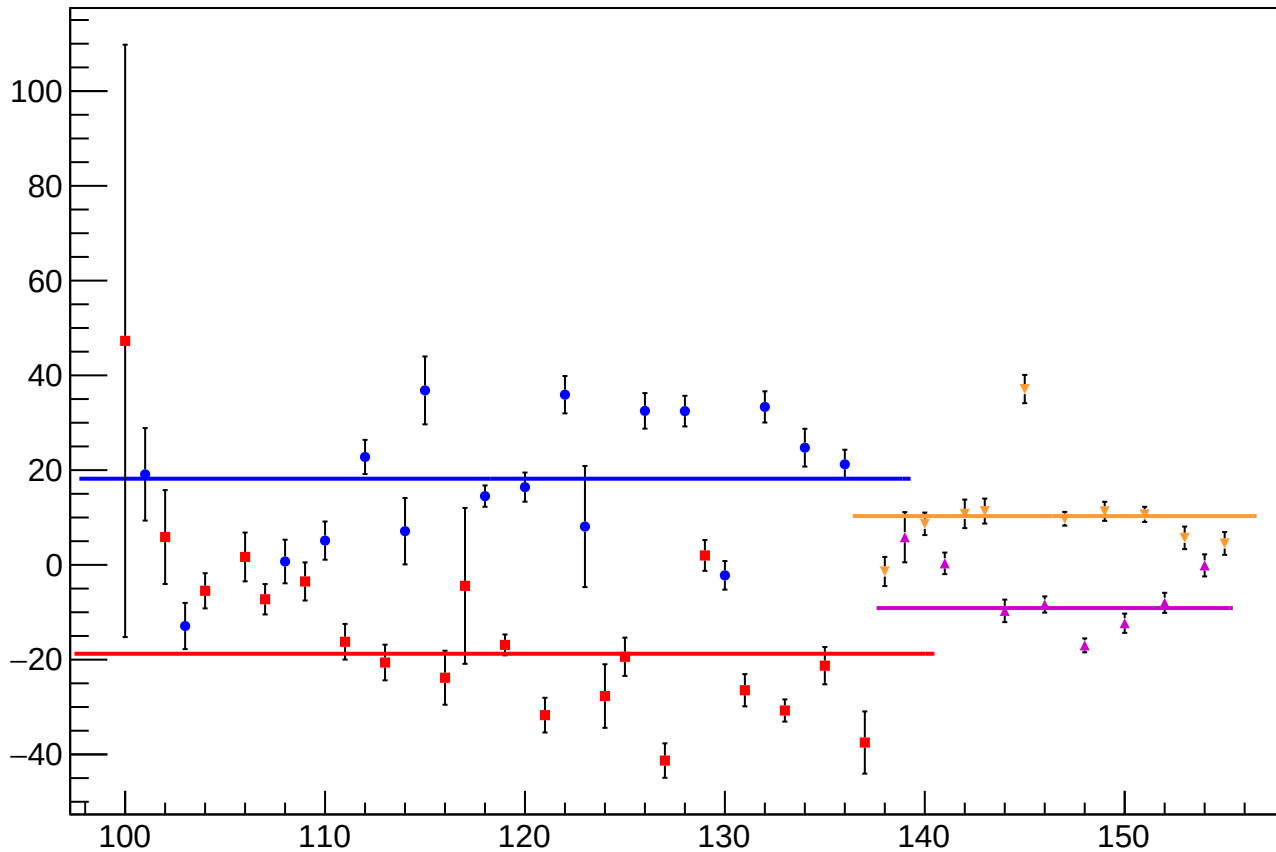
Left In: 59.692+/-1.080 χ^2/NDF : 360.1/7

-63.014+/-1.028 χ^2/NDF : 517.1/9

-4.692+/-0.744 χ^2/NDF : 7654.5/17

59.692+/-1.080 χ^2/NDF : 360.1/7

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.188 $\pm$ 0.917 χ^2/NDF : 204.9/16

Left Out: 10.300 $\pm$ 0.687 χ^2/NDF : 105.9/9

Right Out: -18.752 $\pm$ 0.862 χ^2/NDF : 199.5/19

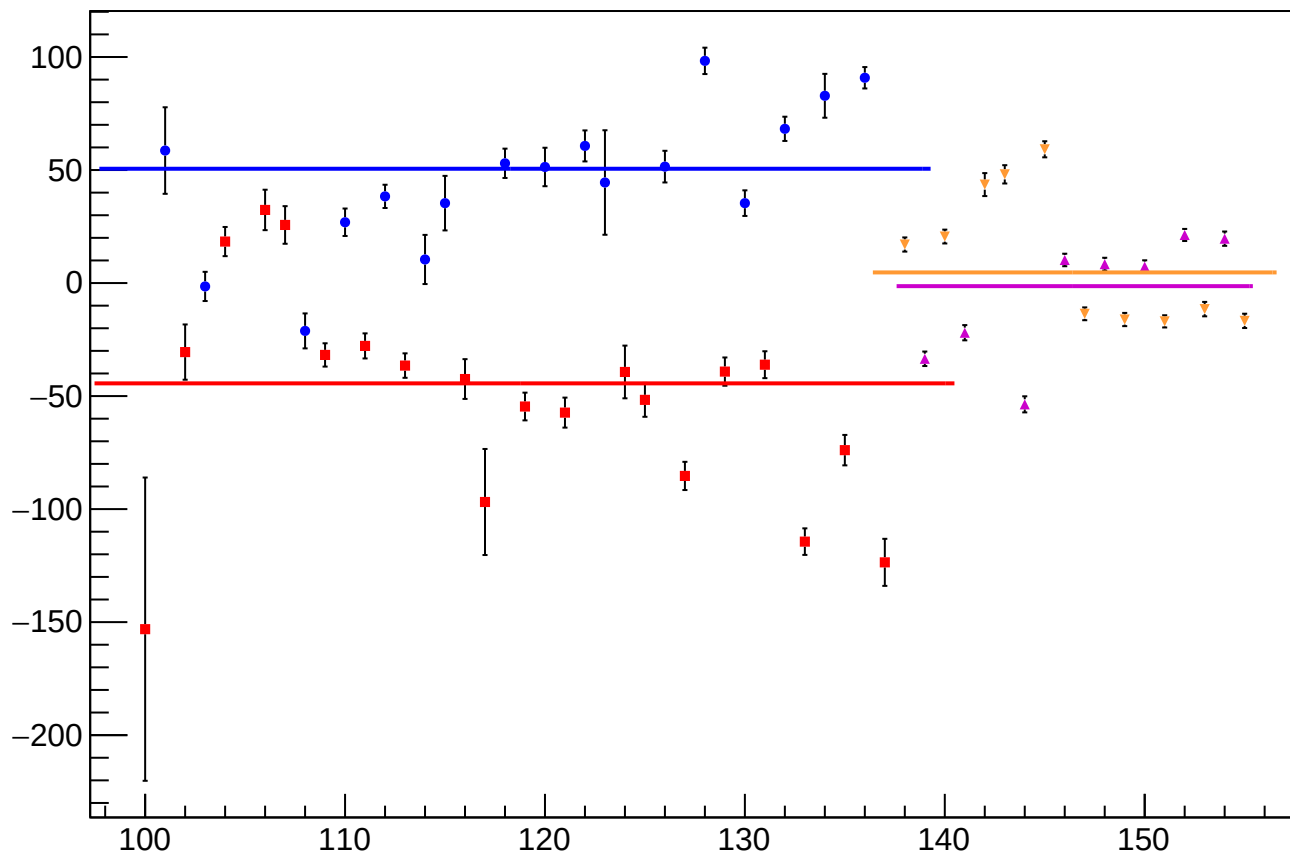
Left In: -9.115 $\pm$ 0.733 χ^2/NDF : 71.8/7

13.137 $\pm$ 0.550 χ^2/NDF : 358.1/26

0.182 $\pm$ 0.392 χ^2/NDF : 1827.9/54

-13.162 $\pm$ 0.558 χ^2/NDF : 343.9/27

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 50.565 $\pm$ 1.678 χ^2 /NDF: 357.9/16

Left Out: 4.700 $\pm$ 1.019 χ^2 /NDF: 678.0/9

Right Out: -44.377 $\pm$ 1.599 χ^2 /NDF: 537.6/19

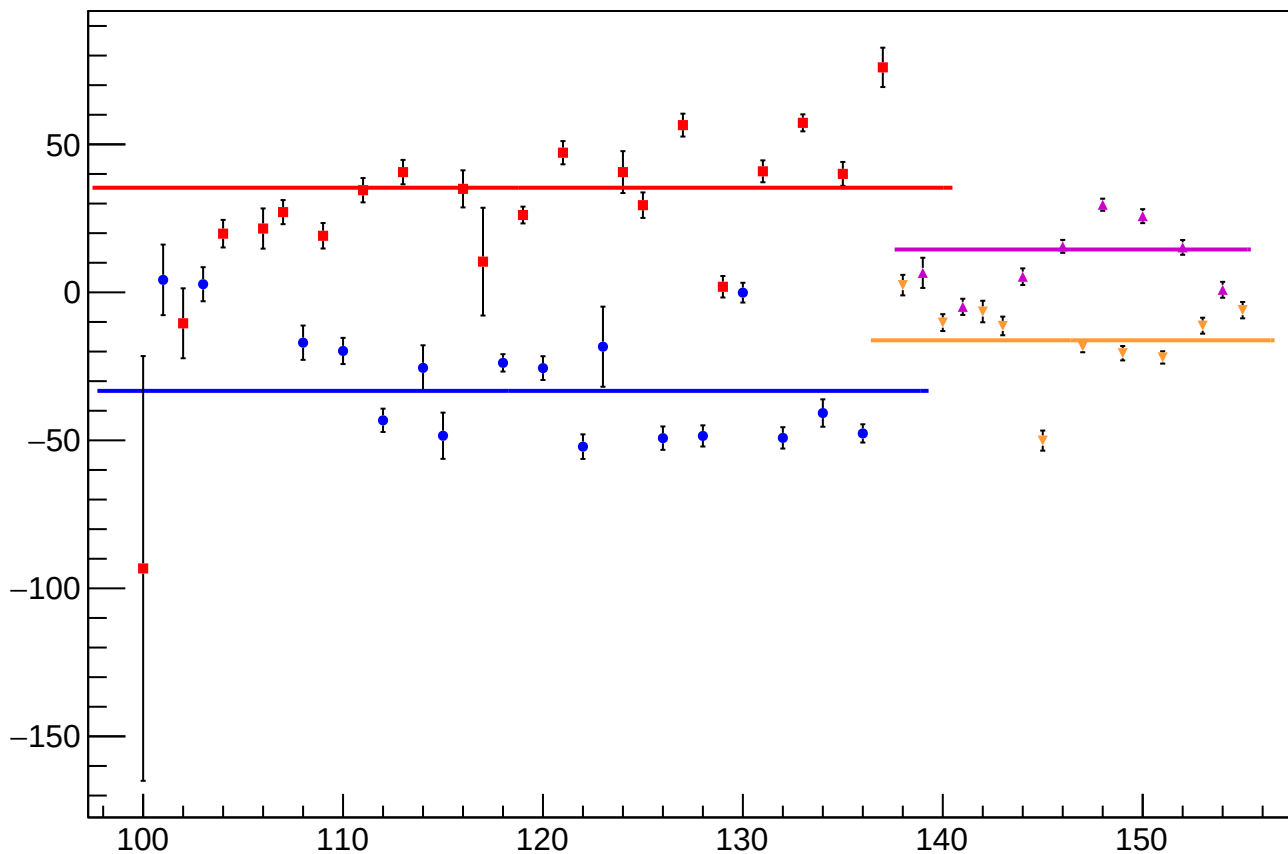
Left In: -1.370 $\pm$ 1.063 χ^2 /NDF: 508.0/7

17.065 $\pm$ 0.871 χ^2 /NDF: 1581.9/26

1.511 $\pm$ 0.621 χ^2 /NDF: 3777.5/54

-14.555 $\pm$ 0.885 χ^2 /NDF: 1547.4/27

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -16.202 ± 0.848 χ^2/NDF : 171.2/9

Right Out: 35.343 ± 0.990 χ^2/NDF : 291.6/19

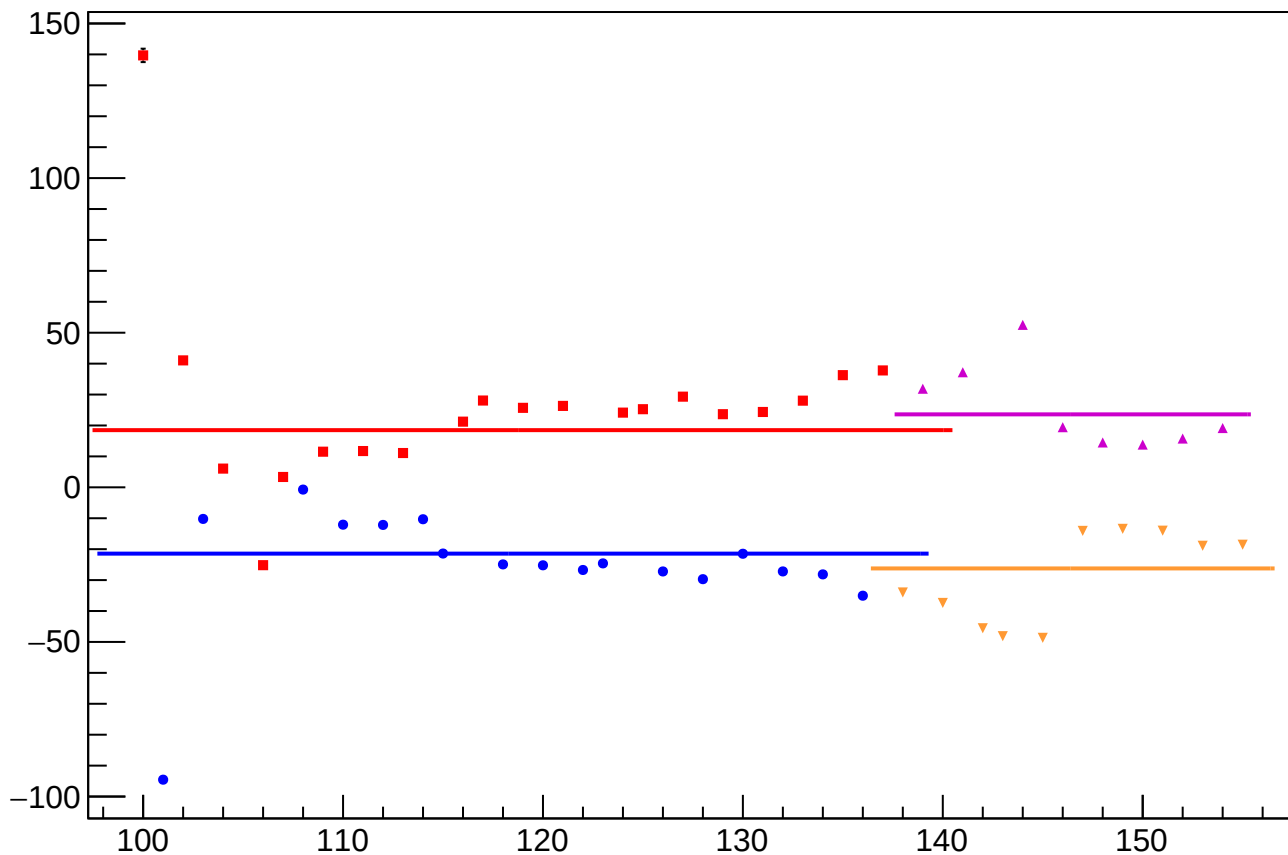
Left In: 14.481 ± 0.904 χ^2/NDF : 166.4/7

-22.997 ± 0.658 χ^2/NDF : 622.6/26

0.157 ± 0.469 χ^2/NDF : 3832.9/54

23.966 ± 0.667 χ^2/NDF : 700.3/27

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -21.442+/-0.059 χ^2/NDF : 48968.5/16

Left Out: -26.231+/-0.041 χ^2/NDF : 102361.7/9

Right Out: 18.490+/-0.057 χ^2/NDF : 80549.5/19

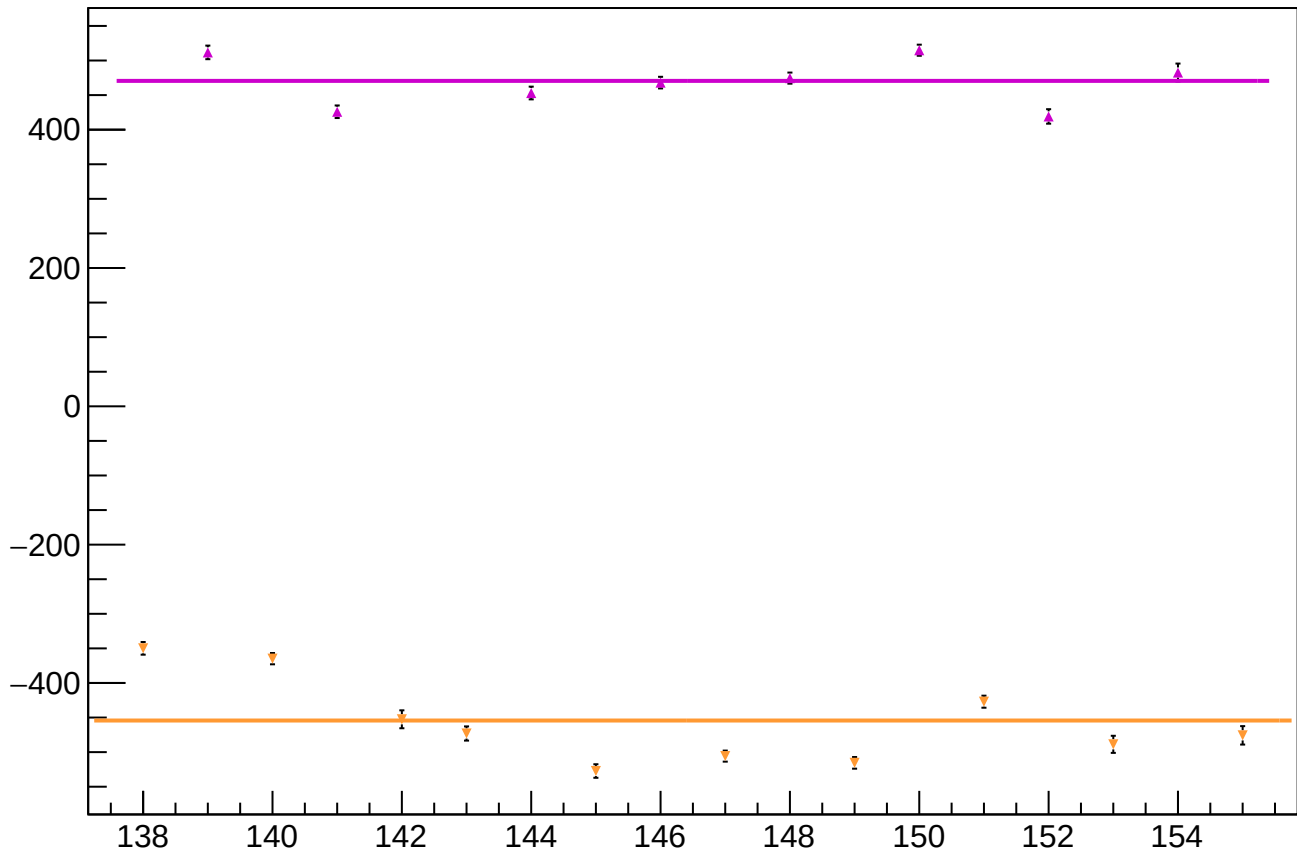
Left In: 23.595+/-0.043 χ^2/NDF : 70333.1/7

-24.657+/-0.034 χ^2/NDF : 155766.4/26

-1.886+/-0.024 χ^2/NDF : 1238661.1/54

21.756+/-0.034 χ^2/NDF : 155957.5/27

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -454.295+/-3.046 χ^2/NDF : 422.3/9

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

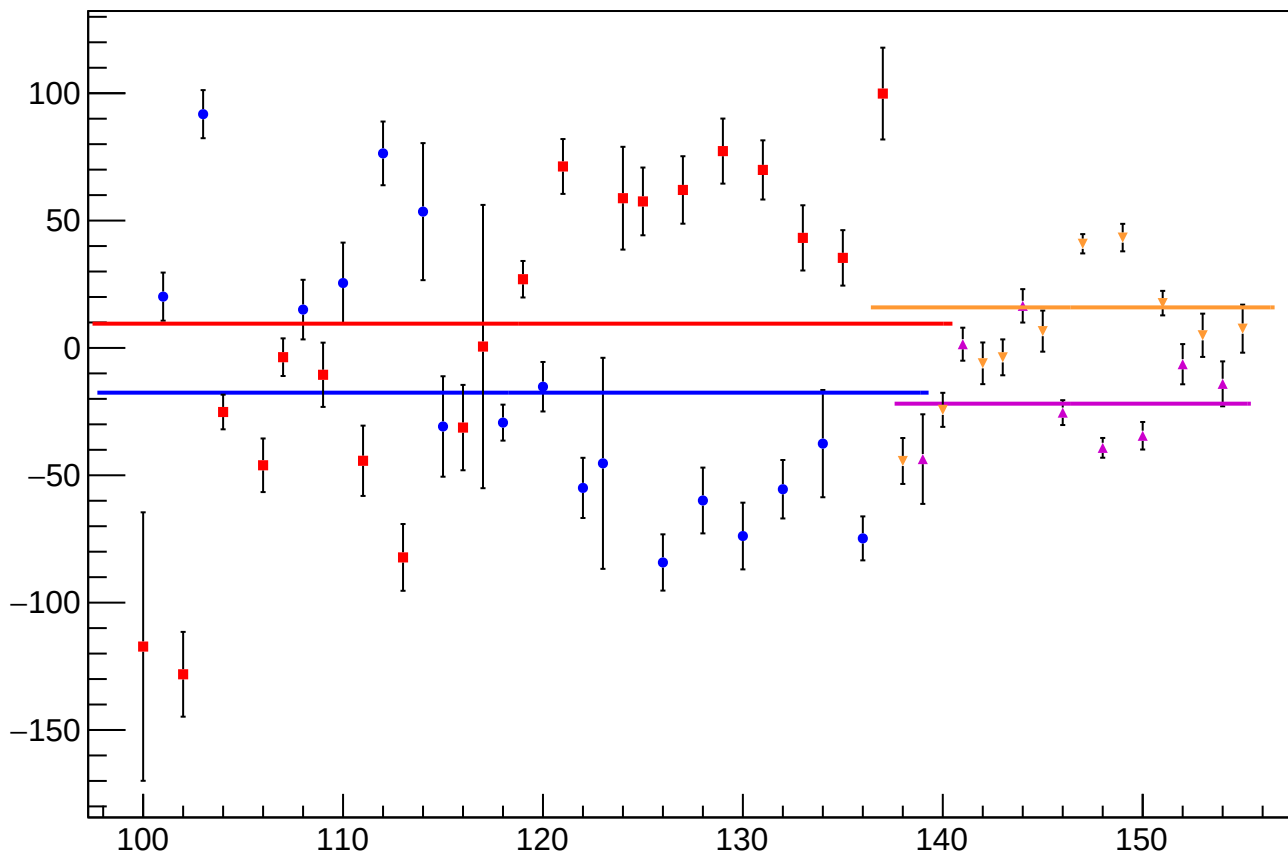
Left In: 470.548+/-3.252 χ^2/NDF : 101.1/7

-454.295+/-3.046 χ^2/NDF : 422.3/9

-22.016+/-2.223 χ^2/NDF : 43601.4/17

470.548+/-3.252 χ^2/NDF : 101.1/7

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -17.564 ± 2.820 $\chi^2/\text{NDF}: 363.7/16$

Left Out: 15.917 ± 1.971 $\chi^2/\text{NDF}: 169.1/9$

Right Out: 9.527 ± 2.606 $\chi^2/\text{NDF}: 370.3/19$

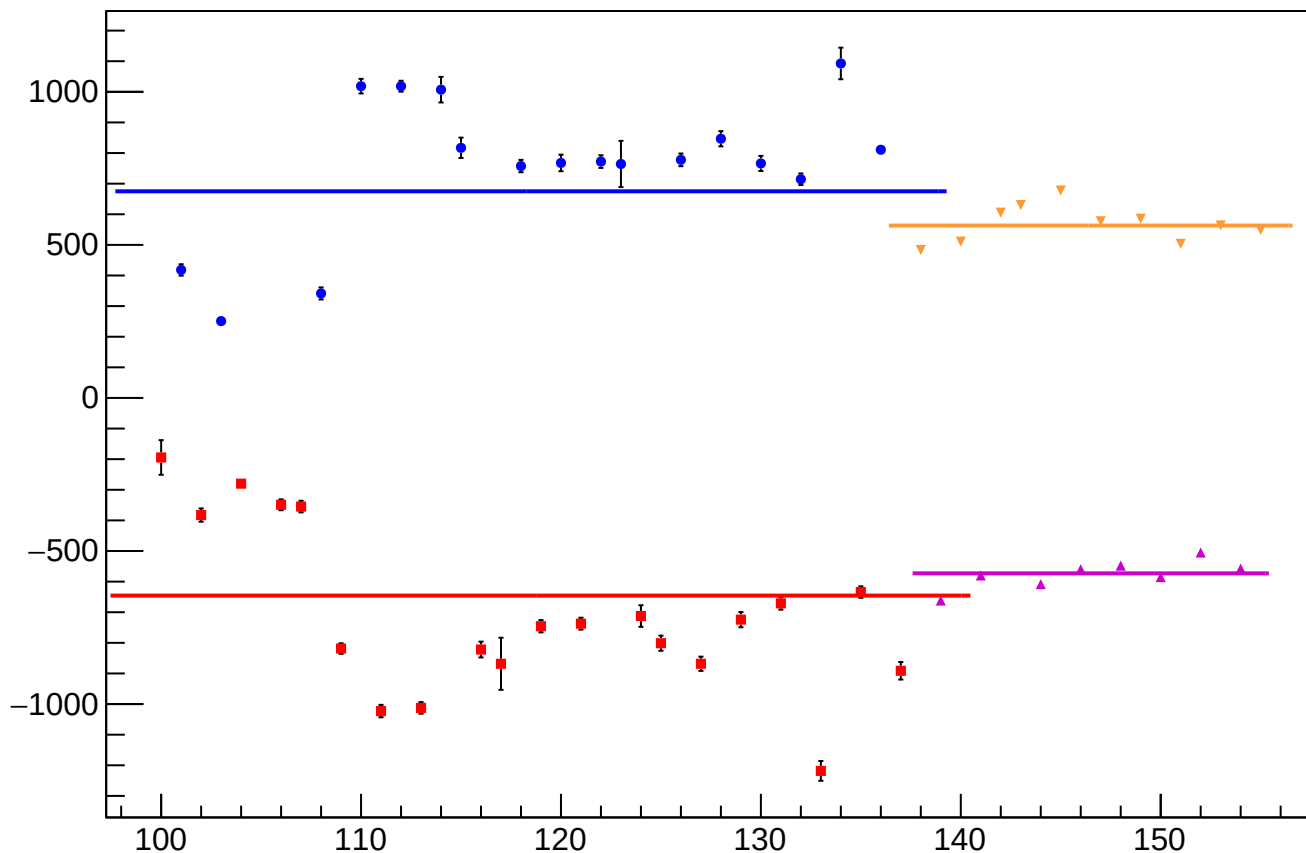
Left In: -21.885 ± 2.124 $\chi^2/\text{NDF}: 79.3/7$

4.931 ± 1.616 $\chi^2/\text{NDF}: 627.5/26$

-2.074 ± 1.153 $\chi^2/\text{NDF}: 1202.8/54$

-9.348 ± 1.646 $\chi^2/\text{NDF}: 536.9/27$

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: 563.089 $\pm$ 3.032 χ^2 /NDF:334.0/9

Right Out: -645.613 $\pm$ 4.754 χ^2 /NDF: 3129.0/19

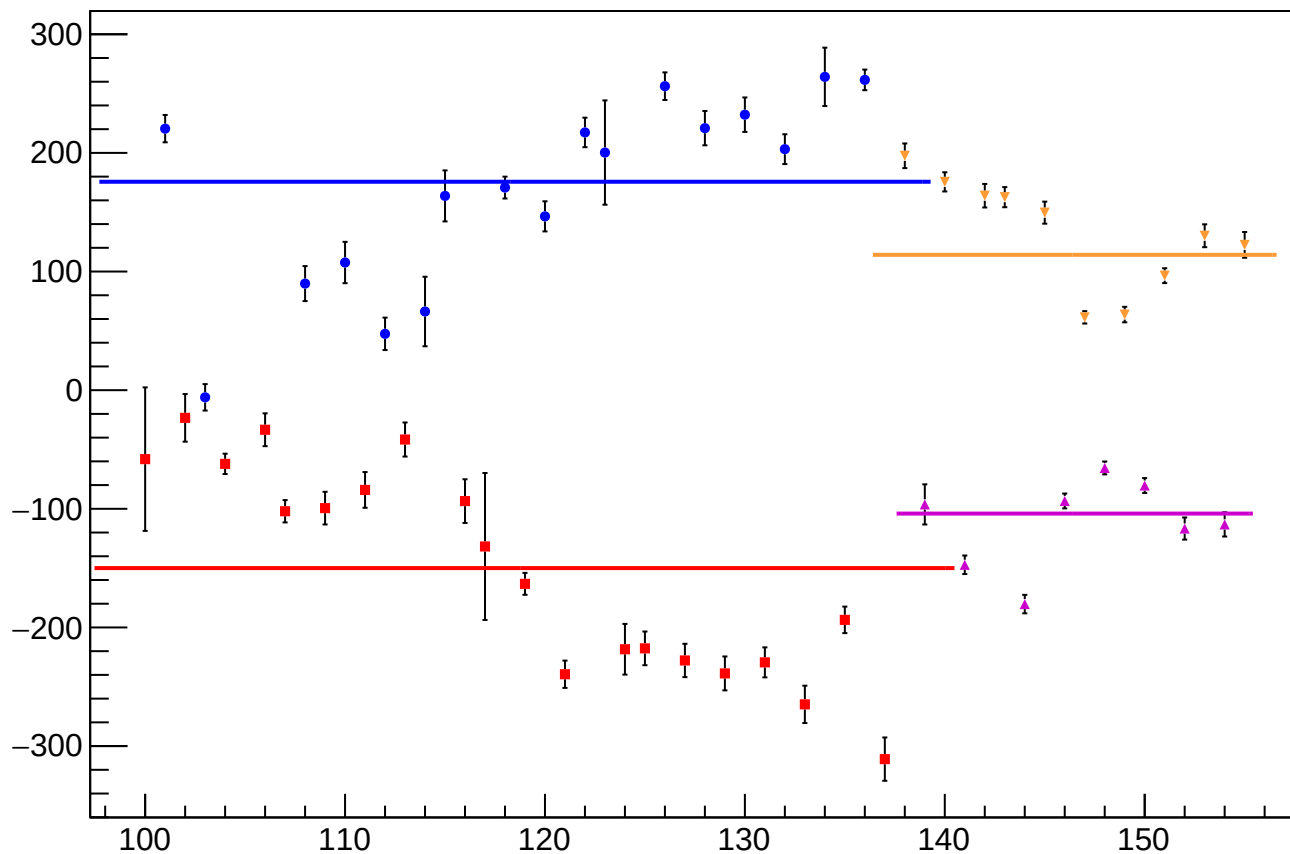
Left In: -572.947 $\pm$ 3.200 χ^2 /NDF:147.4/7

592.600 $\pm$ 2.602 χ^2 /NDF: 3277.8/26

10.501 $\pm$ 1.858 χ^2 /NDF: 108900.2/54

-595.609 $\pm$ 2.655 χ^2 /NDF: 3437.2/27

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 175.686 $\pm$ 3.239 χ^2 /NDF: 637.9/16

Left Out: 114.068 $\pm$ 2.461 χ^2 /NDF:367.9/9

Right Out: -149.973 $\pm$ 3.038 χ^2 /NDF: 693.8/19

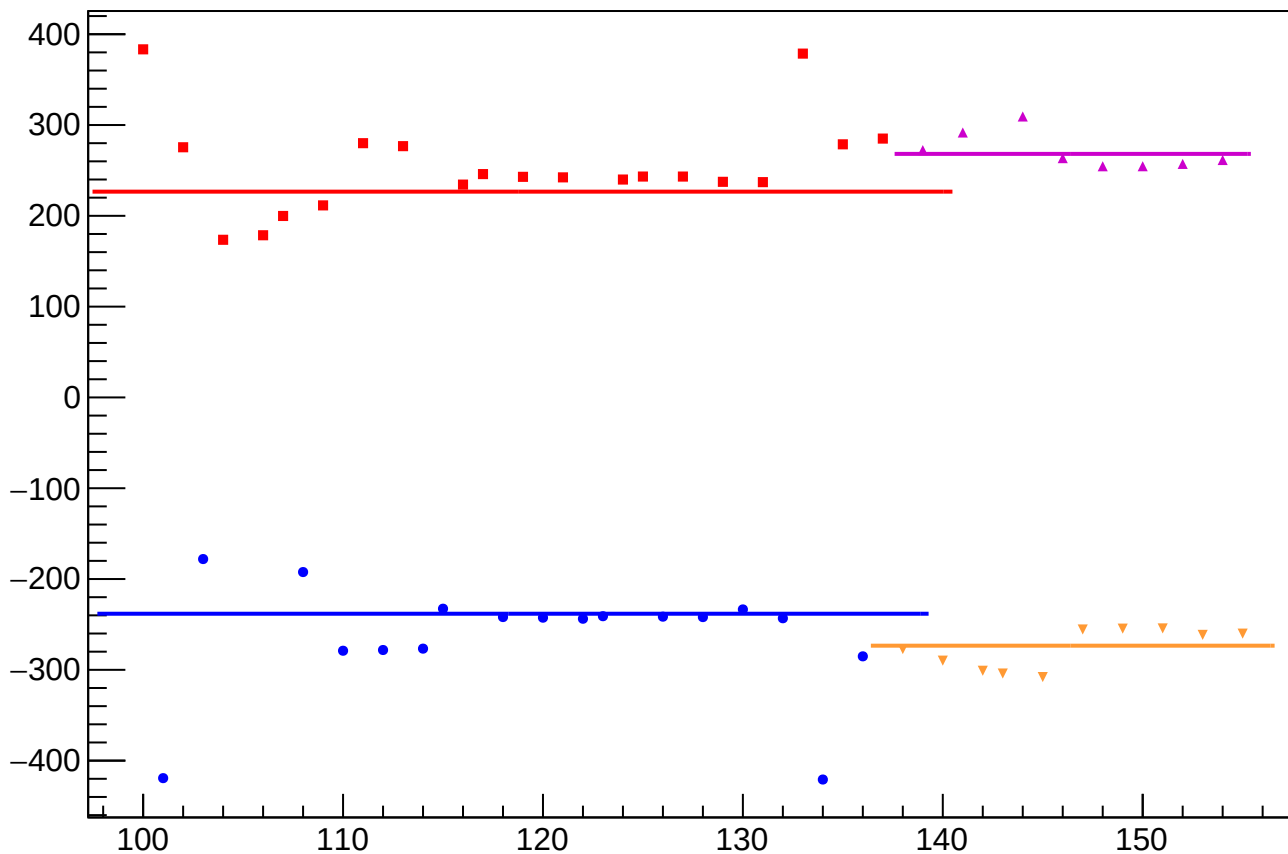
Left In: -104.020 $\pm$ 2.650 χ^2 /NDF:196.8/7

136.619 $\pm$ 1.959 χ^2 /NDF: 1235.3/26

8.859 $\pm$ 1.399 χ^2 /NDF: 10925.1/54

-123.873 $\pm$ 1.997 χ^2 /NDF: 1020.6/27

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.217 ± 0.160 χ^2/NDF : 167120.0/16

Left Out: -273.401 ± 0.126 χ^2/NDF : 26590.7/9

Right Out: 226.626 ± 0.151 χ^2/NDF : 102587.0/19

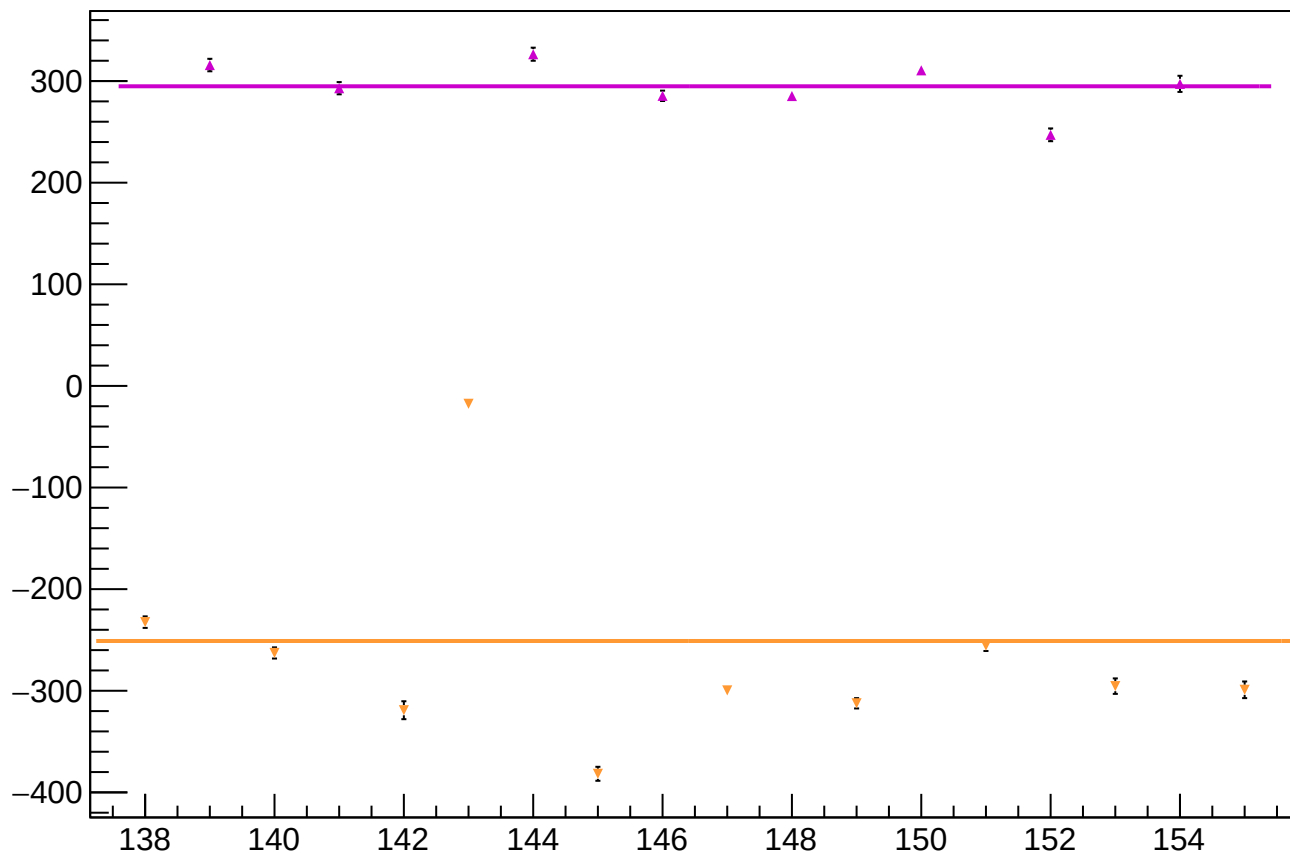
Left In: 268.210 ± 0.132 χ^2/NDF : 17700.8/7

-260.018 ± 0.099 χ^2/NDF : 223503.3/26

-5.797 ± 0.070 χ^2/NDF : 13633326.7/54

250.249 ± 0.099 χ^2/NDF : 163306.1/27

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: -251.019+/-1.861 χ^2/NDF : 2977.2/9

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

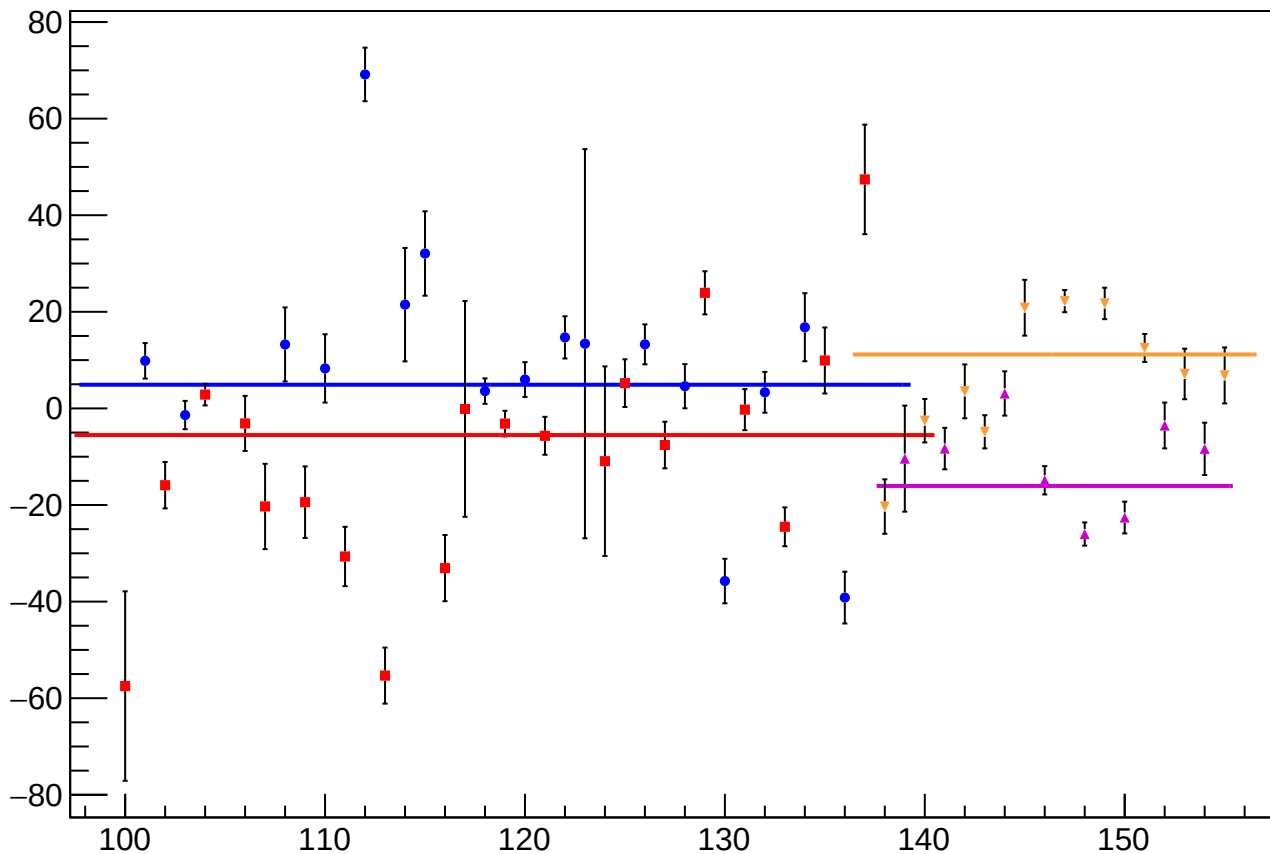
Left In: 294.864+/-2.038 χ^2/NDF : 111.0/7

-251.019+/-1.861 χ^2/NDF : 2977.2/9

-2.786+/-1.374 χ^2/NDF : 42203.5/17

294.864+/-2.038 χ^2/NDF : 111.0/7

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: 11.168 ± 1.197 $\chi^2/\text{NDF}: 101.9/9$

Right Out: -5.517 ± 1.067 $\chi^2/\text{NDF}: 239.0/19$

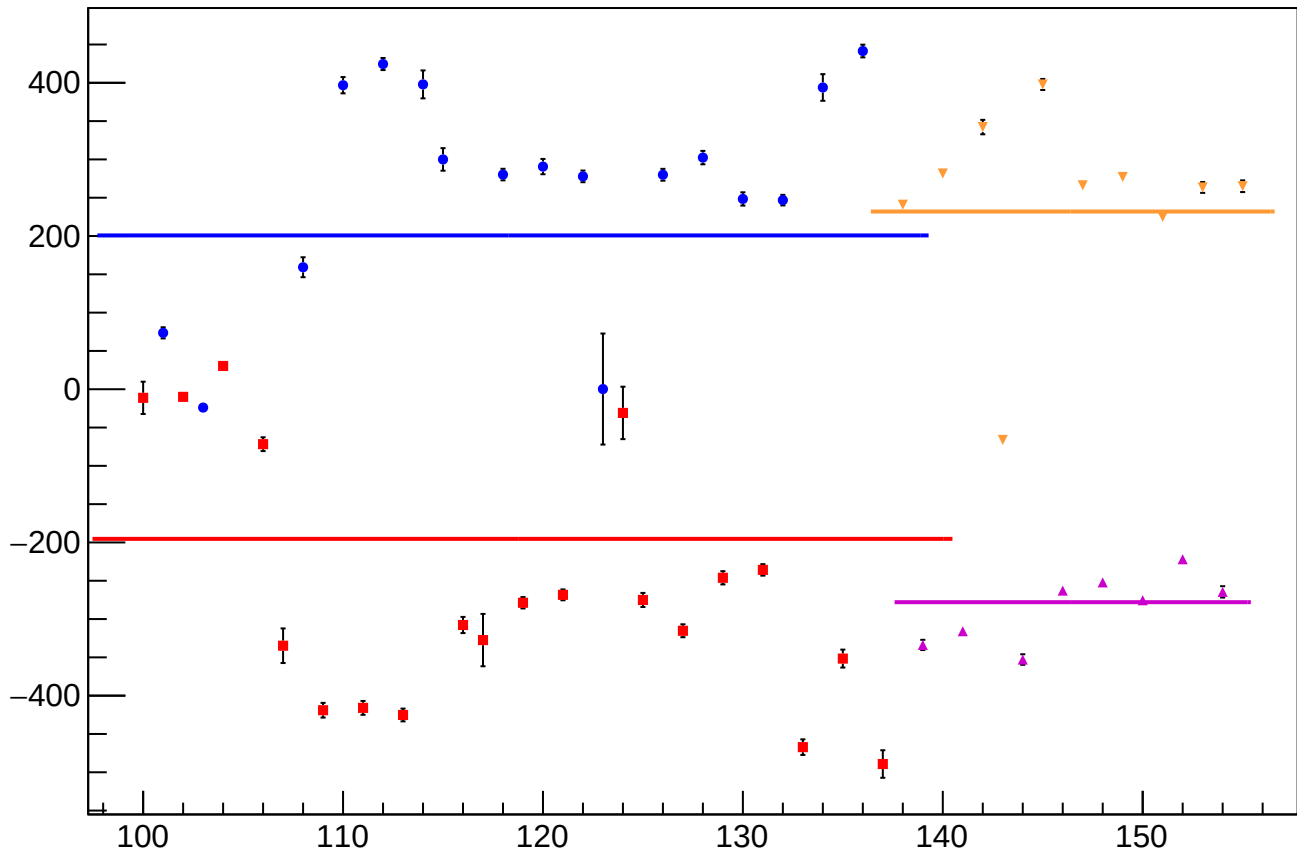
Left In: -16.053 ± 1.323 $\chi^2/\text{NDF}: 51.3/7$

7.787 ± 0.812 $\chi^2/\text{NDF}: 428.4/26$

-0.744 ± 0.581 $\chi^2/\text{NDF}: 982.7/54$

-9.669 ± 0.831 $\chi^2/\text{NDF}: 328.6/27$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 200.773+/-1.983 χ^2/NDF : 6733.0/16

Left Out: 231.985+/-1.850 χ^2/NDF : 4113.6/9

Right Out: -195.311+/-1.921 χ^2/NDF : 8262.1/19

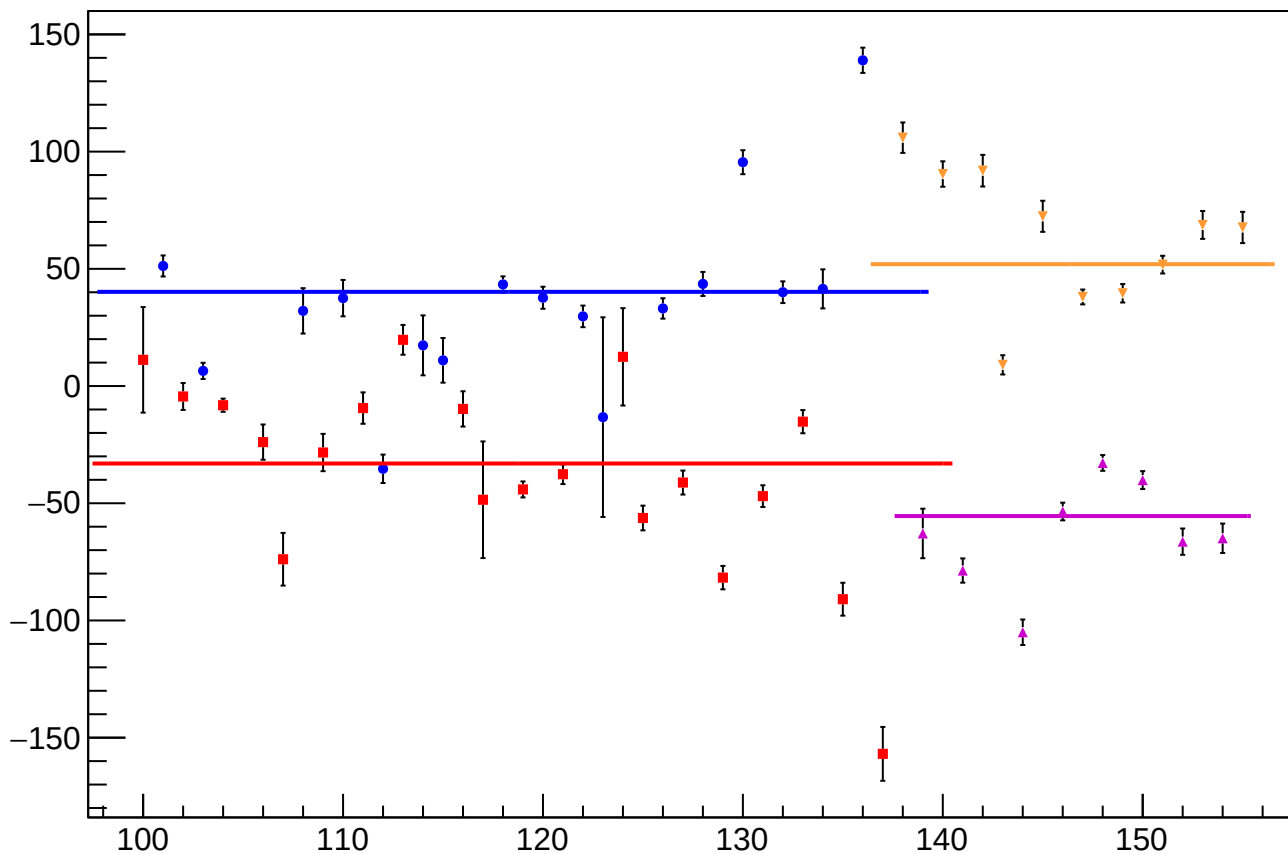
Left In: -277.980+/-1.997 χ^2/NDF : 354.2/7

217.460+/-1.353 χ^2/NDF : 10979.0/26

-3.587+/-0.968 χ^2/NDF : 75132.8/54

-235.037+/-1.384 χ^2/NDF : 9506.4/27

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: 51.985+/-1.495 χ^2/NDF : 316.1/9

Right Out: -33.045+/-1.249 χ^2/NDF : 553.1/19

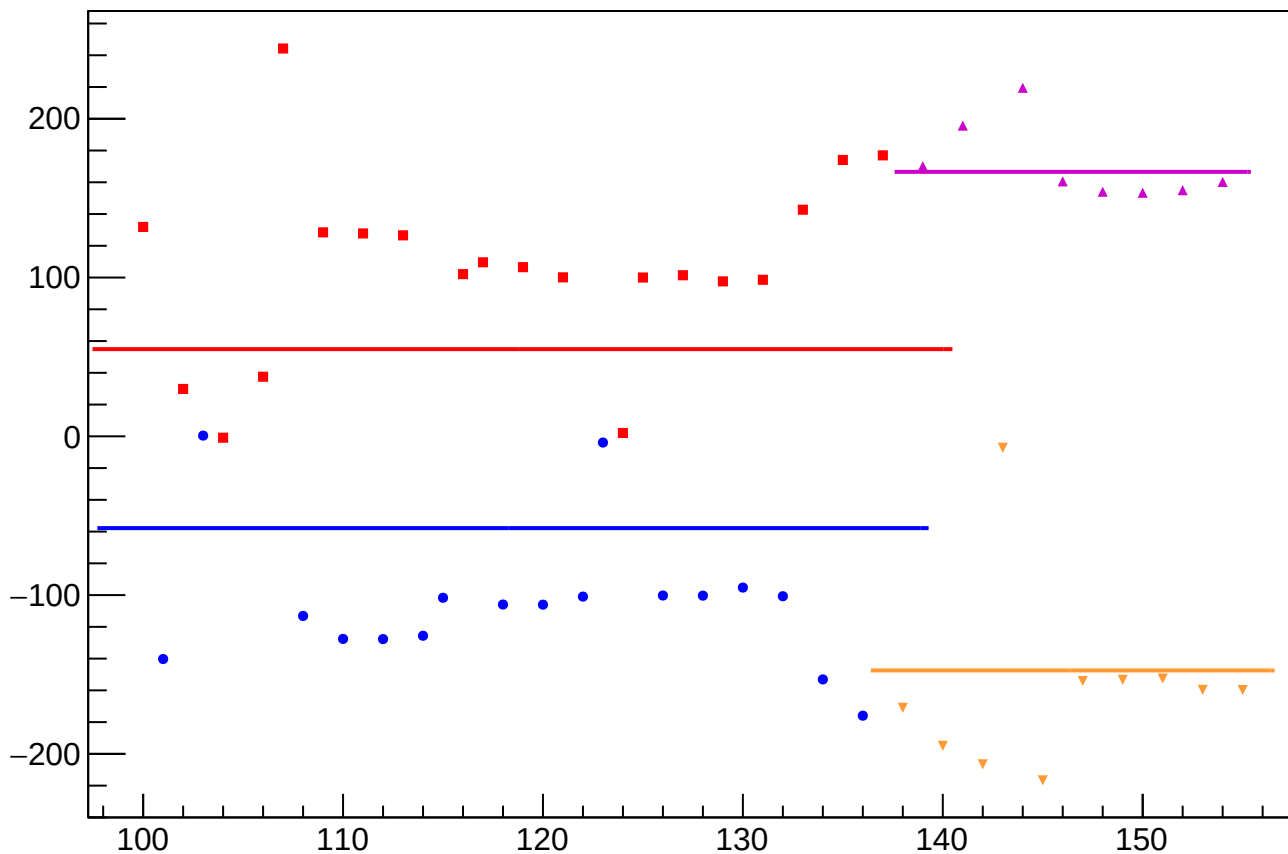
Left In: -55.462+/-1.654 χ^2/NDF : 171.7/7

45.190+/-0.974 χ^2/NDF : 1086.5/26

3.010+/-0.697 χ^2/NDF : 5770.6/54

-41.182+/-0.997 χ^2/NDF : 841.8/27

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: -147.439+/-0.077 χ^2/NDF : 574778.4/9

Right Out: 54.915+/-0.060 χ^2/NDF : 1001968.3/19

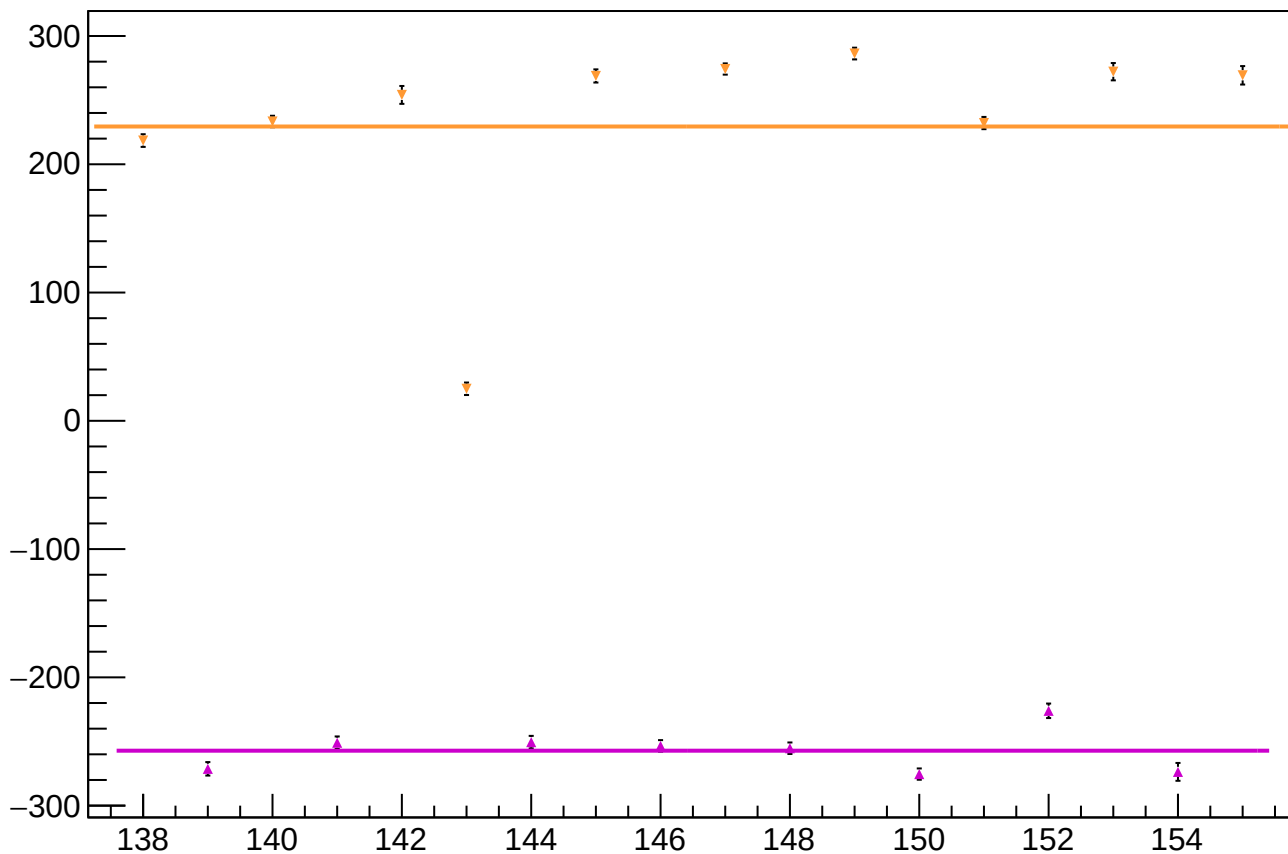
Left In: 166.569+/-0.082 χ^2/NDF : 55754.8/7

-93.130+/-0.048 χ^2/NDF : 2504910.5/26

-0.514+/-0.034 χ^2/NDF : 12250172.6/54

93.885+/-0.049 χ^2/NDF : 2258880.4/27

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: 229.443+/-1.630 χ^2/NDF : 2169.6/9

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

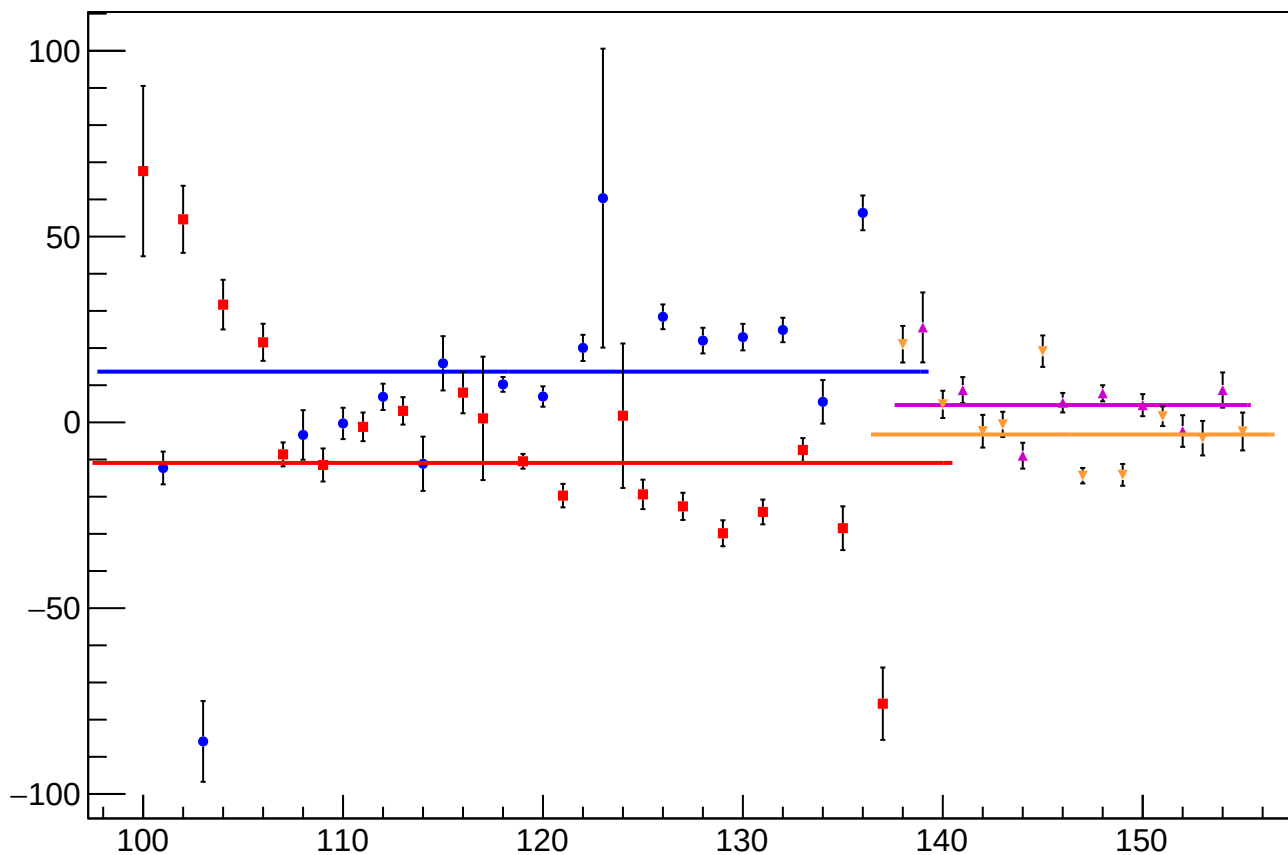
Left In: -257.173+/-1.760 χ^2/NDF : 64.7/7

229.443+/-1.630 χ^2/NDF : 2169.6/9

4.810+/-1.196 χ^2/NDF : 43381.1/17

-257.173+/-1.760 χ^2/NDF : 64.7/7

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: -3.255 $\pm$ 1.061 χ^2/NDF : 103.8/9

Right Out: -10.908 $\pm$ 0.912 χ^2/NDF : 303.1/19

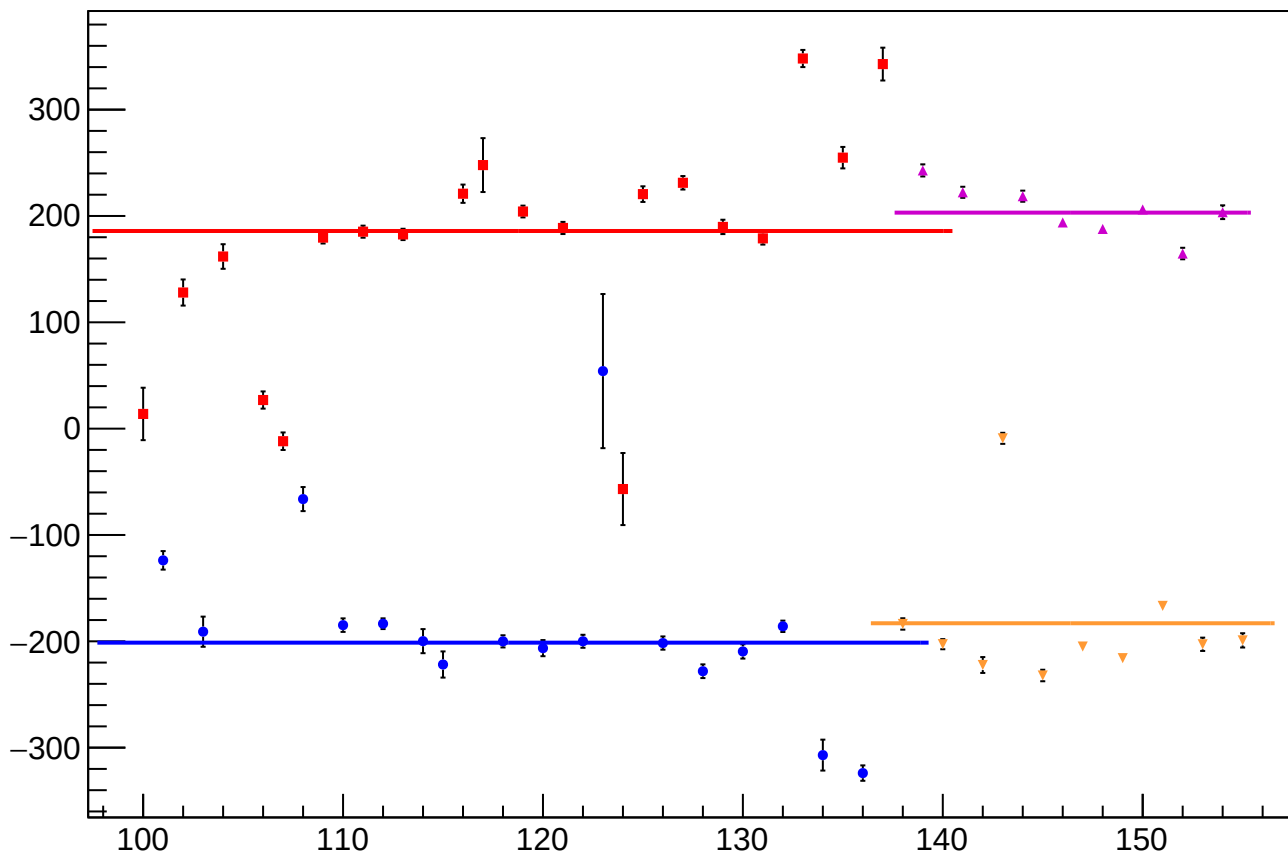
Left In: 4.661 $\pm$ 1.157 χ^2/NDF : 27.2/7

6.254 $\pm$ 0.702 χ^2/NDF : 540.5/26

0.766 $\pm$ 0.501 χ^2/NDF : 1107.1/54

-4.946 $\pm$ 0.716 χ^2/NDF : 441.9/27

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: -183.020 ± 1.626 χ^2/NDF : 1361.8/9

Right Out: 185.871 ± 1.695 χ^2/NDF : 1752.0/19

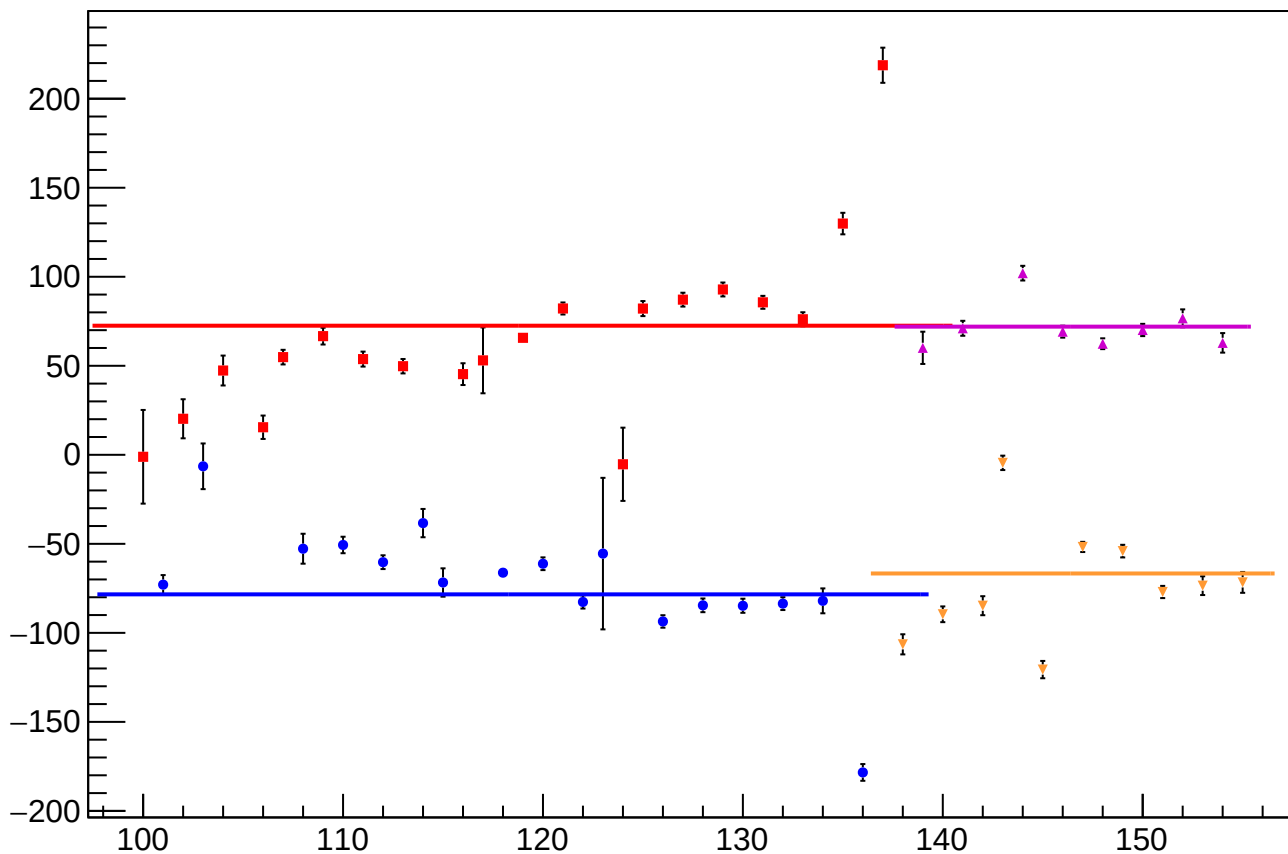
Left In: 203.137 ± 1.735 χ^2/NDF : 139.8/7

-191.243 ± 1.205 χ^2/NDF : 2041.9/26

0.381 ± 0.855 χ^2/NDF : 54839.4/54

194.307 ± 1.213 χ^2/NDF : 1942.5/27

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: -66.650 ± 1.321 χ^2/NDF : 498.3/9

Right Out: 72.514 ± 1.050 χ^2/NDF : 607.0/19

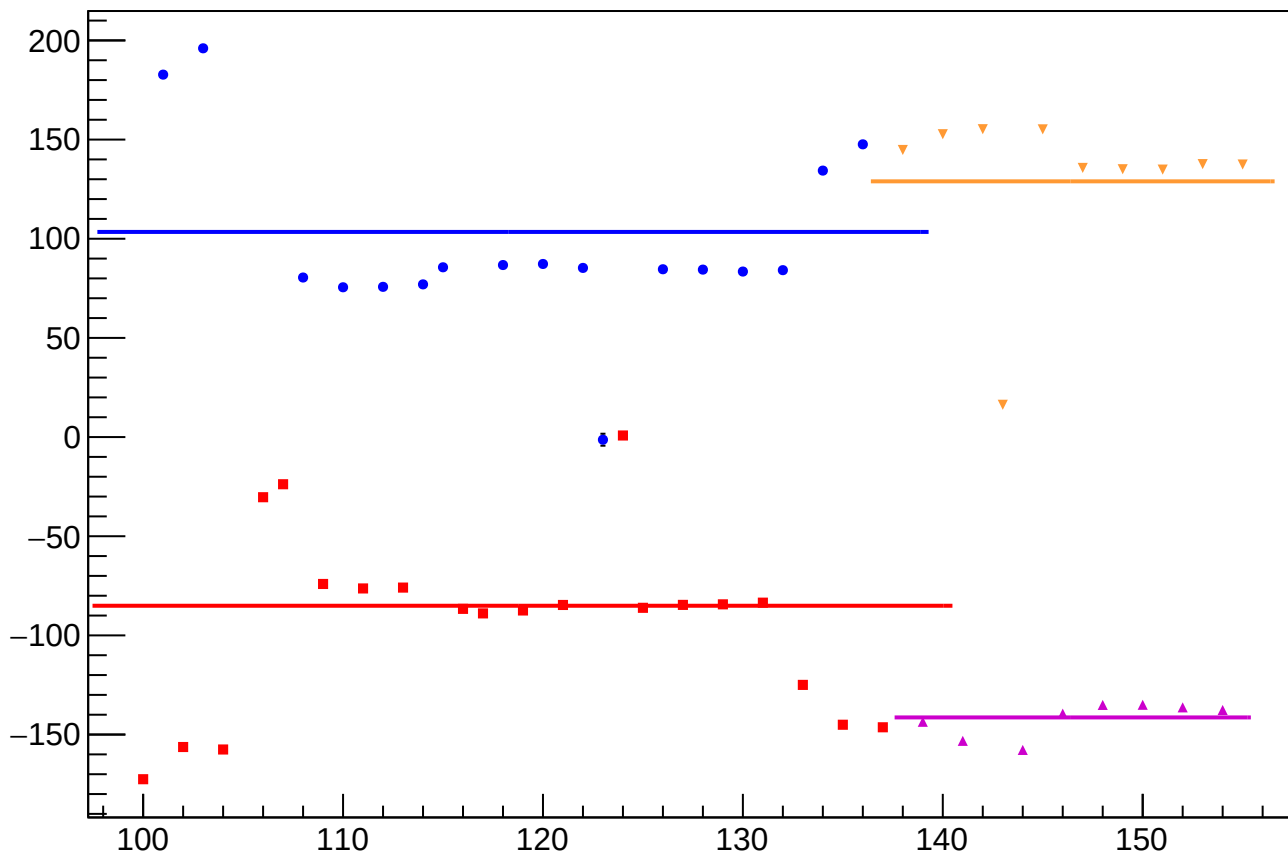
Left In: 71.984 ± 1.441 χ^2/NDF : 69.3/7

-73.673 ± 0.837 χ^2/NDF : 1196.8/26

-1.681 ± 0.596 χ^2/NDF : 16882.0/54

72.330 ± 0.849 χ^2/NDF : 676.4/27

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: 128.945 $\pm$ 0.067 χ^2 /NDF: 340972.3/9

Right Out: -85.054 $\pm$ 0.064 χ^2 /NDF: 422354.0/19

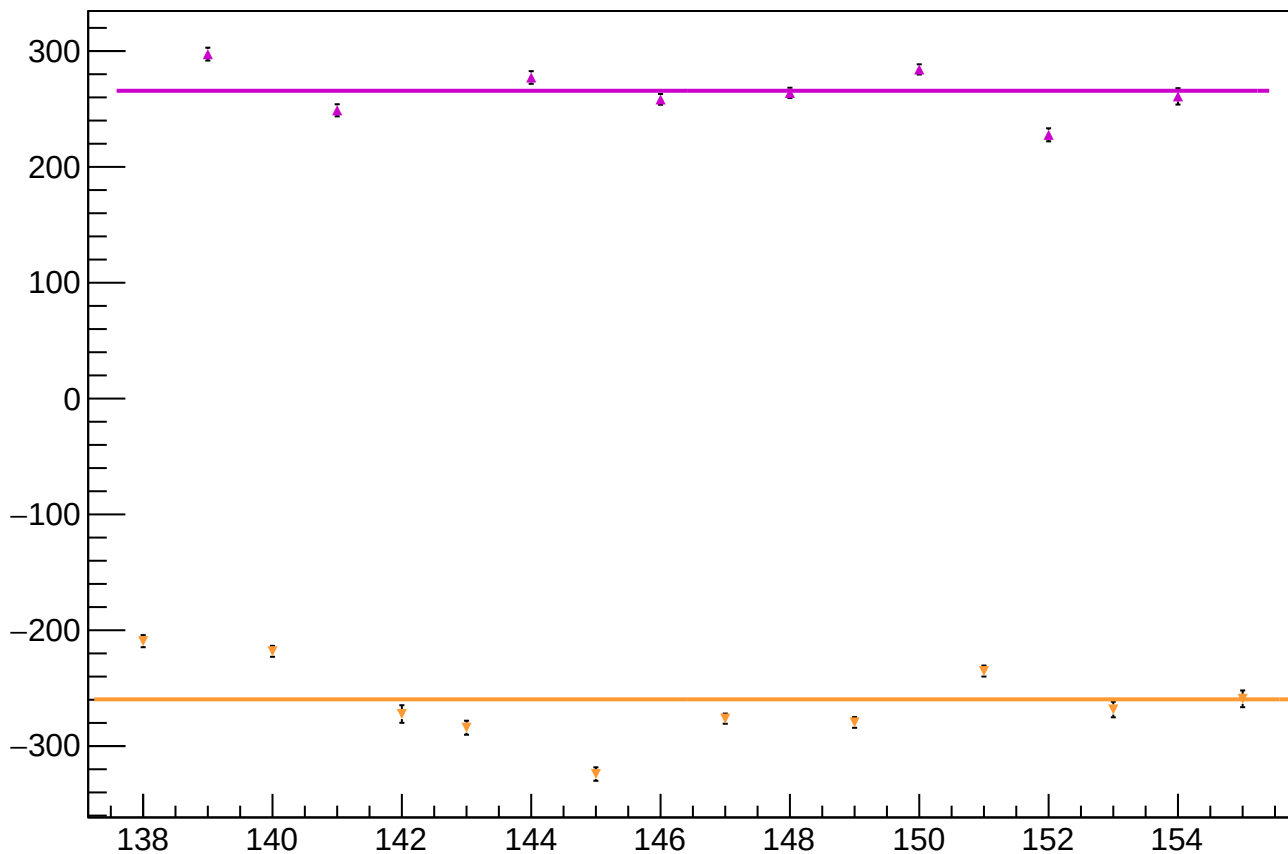
Left In: -141.366 $\pm$ 0.071 χ^2 /NDF: 11904.0/7

116.867 $\pm$ 0.049 χ^2 /NDF: 681953.5/26

0.442 $\pm$ 0.034 χ^2 /NDF: 12566776.8/54

-109.997 $\pm$ 0.048 χ^2 /NDF: 781015.0/27

reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -259.647+/-1.716 χ^2/NDF : 372.0/9

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

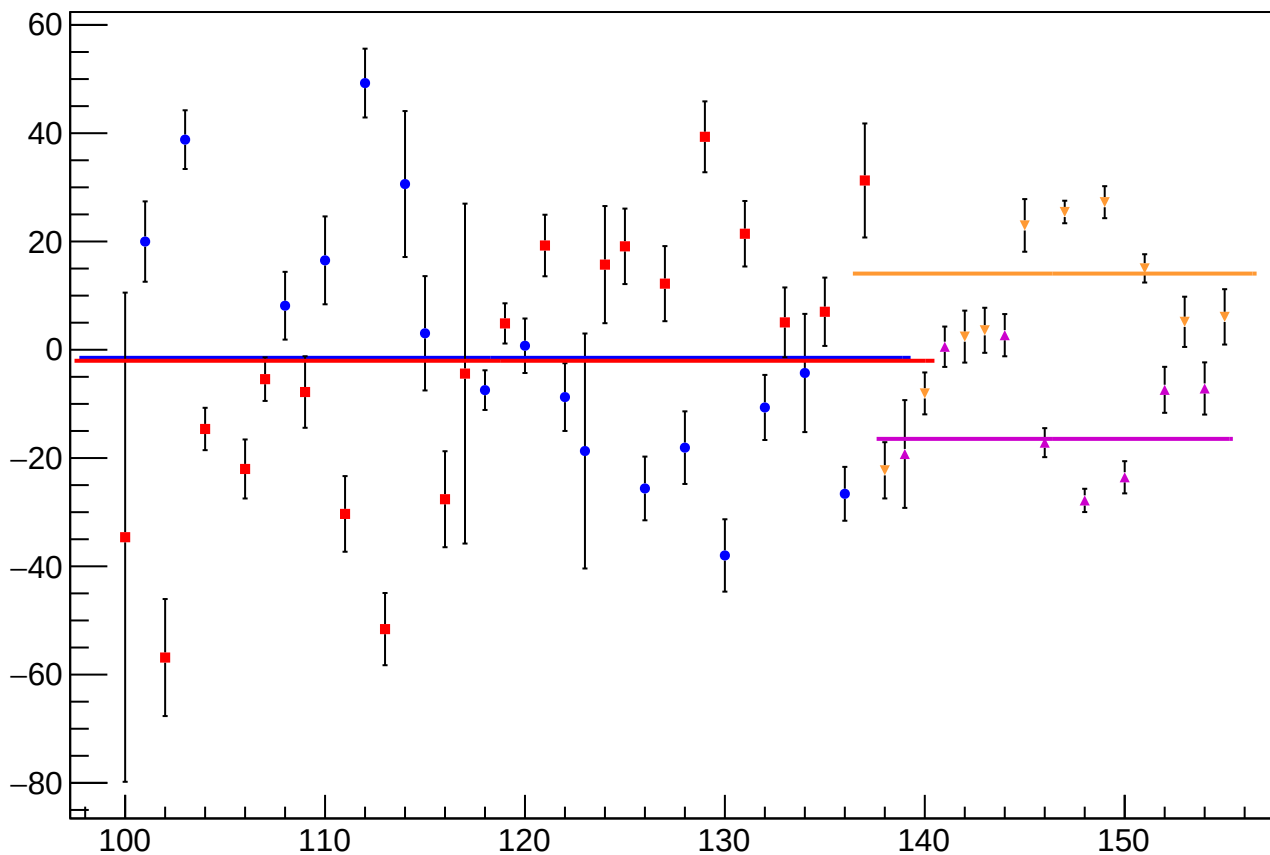
Left In: 265.720+/-1.818 χ^2/NDF : 113.5/7

-259.647+/-1.716 χ^2/NDF : 372.0/9

-12.084+/-1.248 χ^2/NDF : 44664.5/17

265.720+/-1.818 χ^2/NDF : 113.5/7

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.490 ± 1.536 $\chi^2/\text{NDF}: 226.0/16$

Left Out: 14.071 ± 1.102 $\chi^2/\text{NDF}: 153.2/9$

Right Out: -2.032 ± 1.398 $\chi^2/\text{NDF}: 233.3/19$

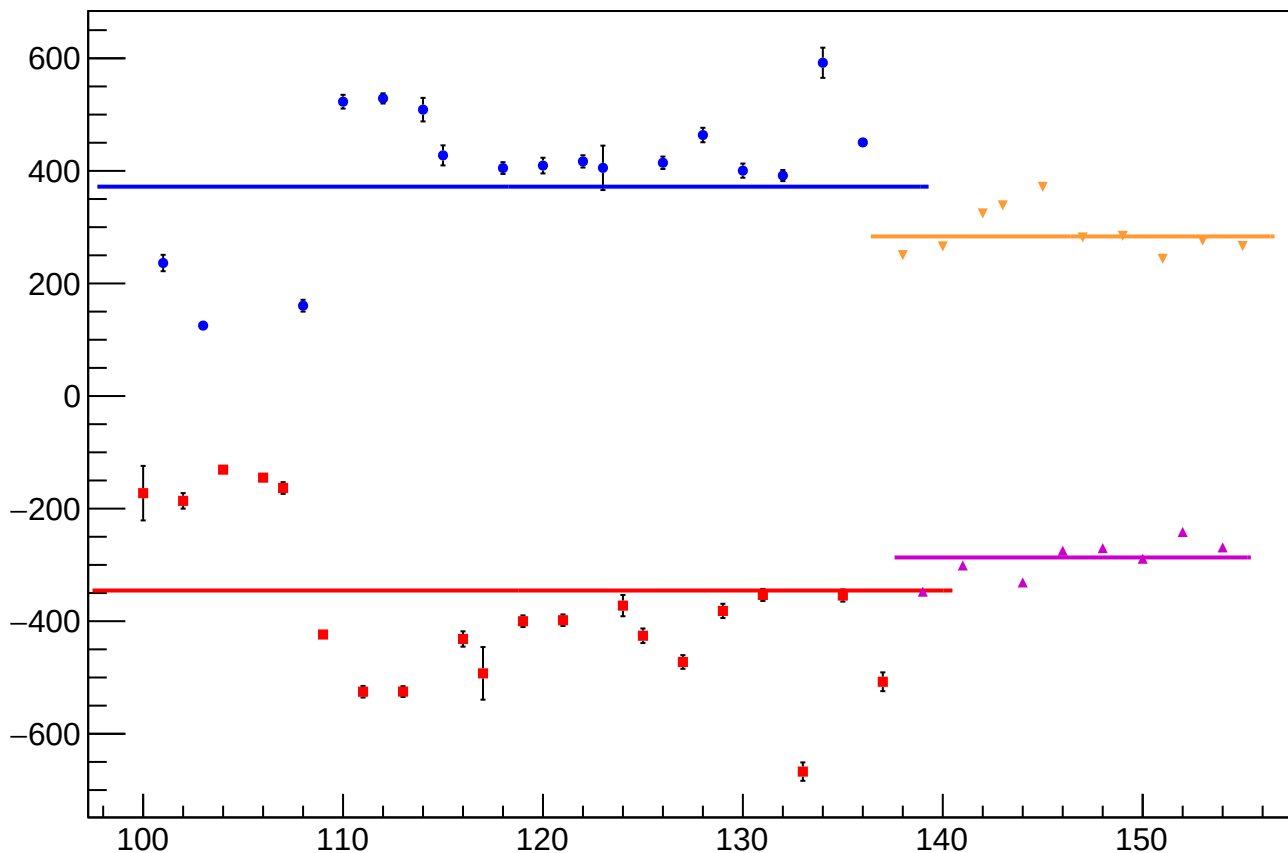
Left In: -16.460 ± 1.183 $\chi^2/\text{NDF}: 87.0/7$

8.784 ± 0.895 $\chi^2/\text{NDF}: 446.9/26$

-0.750 ± 0.636 $\chi^2/\text{NDF}: 1058.0/54$

-10.443 ± 0.903 $\chi^2/\text{NDF}: 382.4/27$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 371.975 $\pm$ 2.778 χ^2 /NDF: 2432.6/16

Left Out: 283.555 $\pm$ 1.700 χ^2 /NDF: 437.9/9

Right Out: -345.485 $\pm$ 2.558 χ^2 /NDF: 3425.1/19

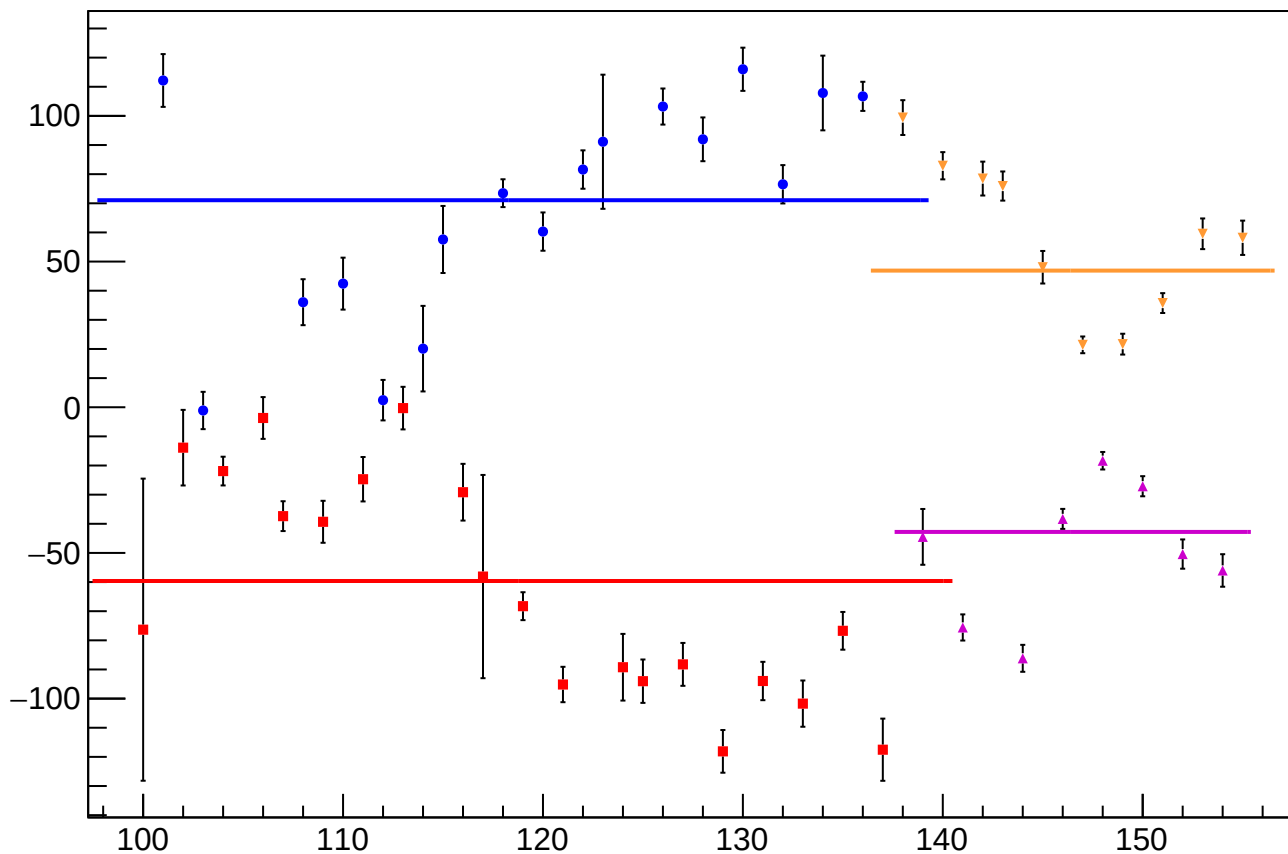
Left In: -286.776 $\pm$ 1.784 χ^2 /NDF: 267.2/7

307.652 $\pm$ 1.450 χ^2 /NDF: 3607.6/26

3.579 $\pm$ 1.030 χ^2 /NDF: 96392.8/54

-305.978 $\pm$ 1.463 χ^2 /NDF: 4046.8/27

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 71.056+/-1.764 χ^2/NDF : 426.2/16

Left Out: 46.902+/-1.379 χ^2/NDF : 348.7/9

Right Out: -59.634+/-1.629 χ^2/NDF : 491.6/19

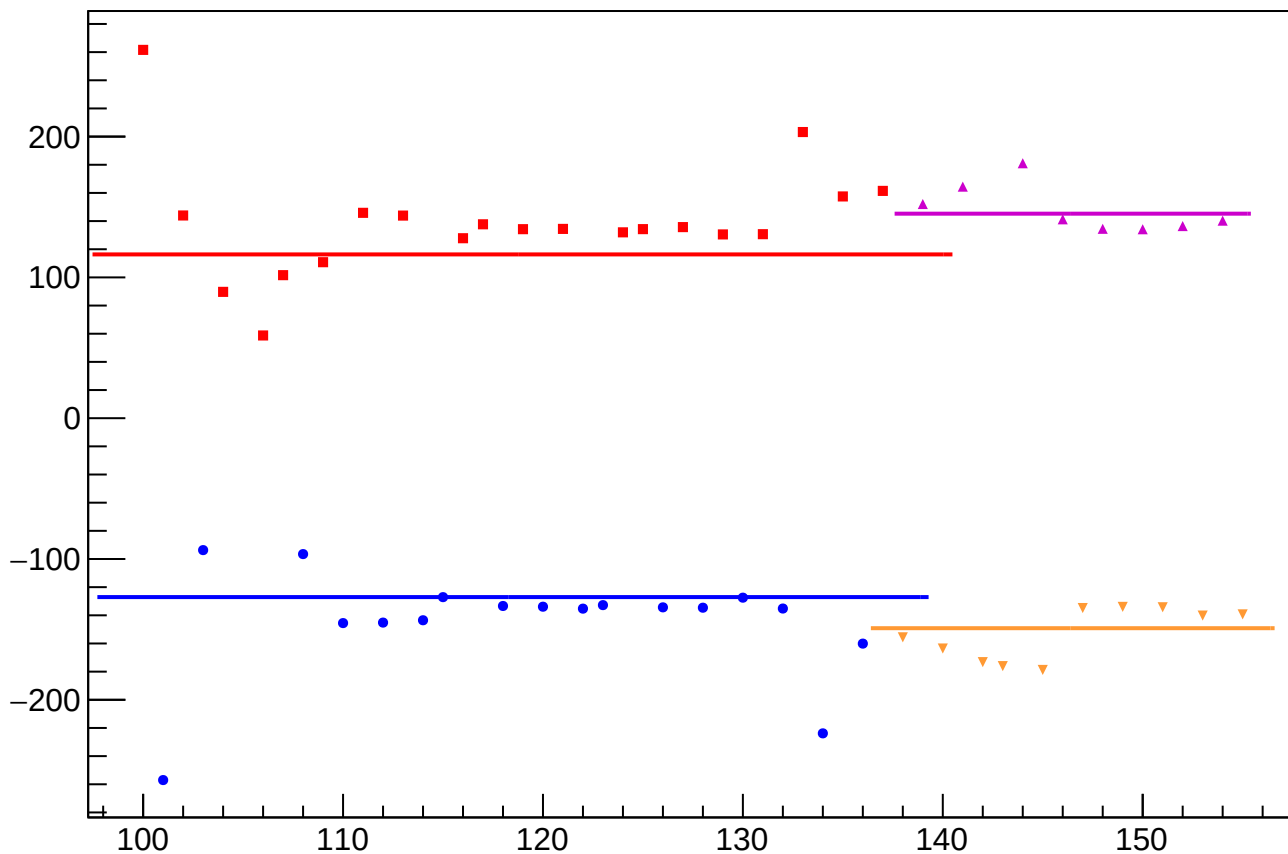
Left In: -42.792+/-1.477 χ^2/NDF : 237.7/7

56.059+/-1.086 χ^2/NDF : 891.3/26

3.227+/-0.771 χ^2/NDF : 6446.0/54

-50.388+/-1.094 χ^2/NDF : 788.0/27

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -127.049+/-0.090 χ^2/NDF : 167014.4/16

Left Out: -149.146+/-0.071 χ^2/NDF : 57567.5/9

Right Out: 116.327+/-0.083 χ^2/NDF : 167208.7/19

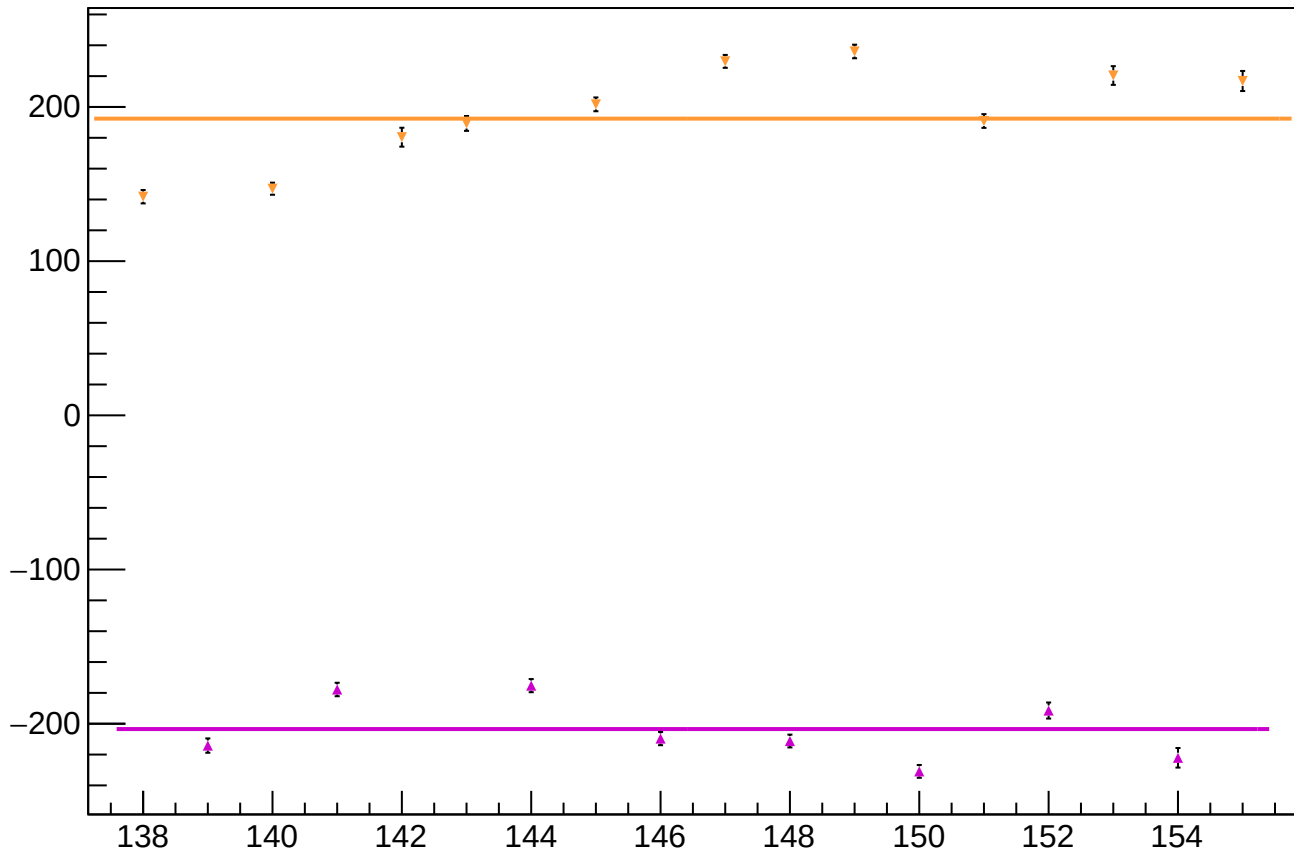
Left In: 145.261+/-0.073 χ^2/NDF : 38001.0/7

-140.715+/-0.055 χ^2/NDF : 262048.2/26

-2.893+/-0.039 χ^2/NDF : 12782055.8/54

132.544+/-0.055 χ^2/NDF : 273448.8/27

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: 192.439+/-1.497 χ^2/NDF : 489.0/9

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

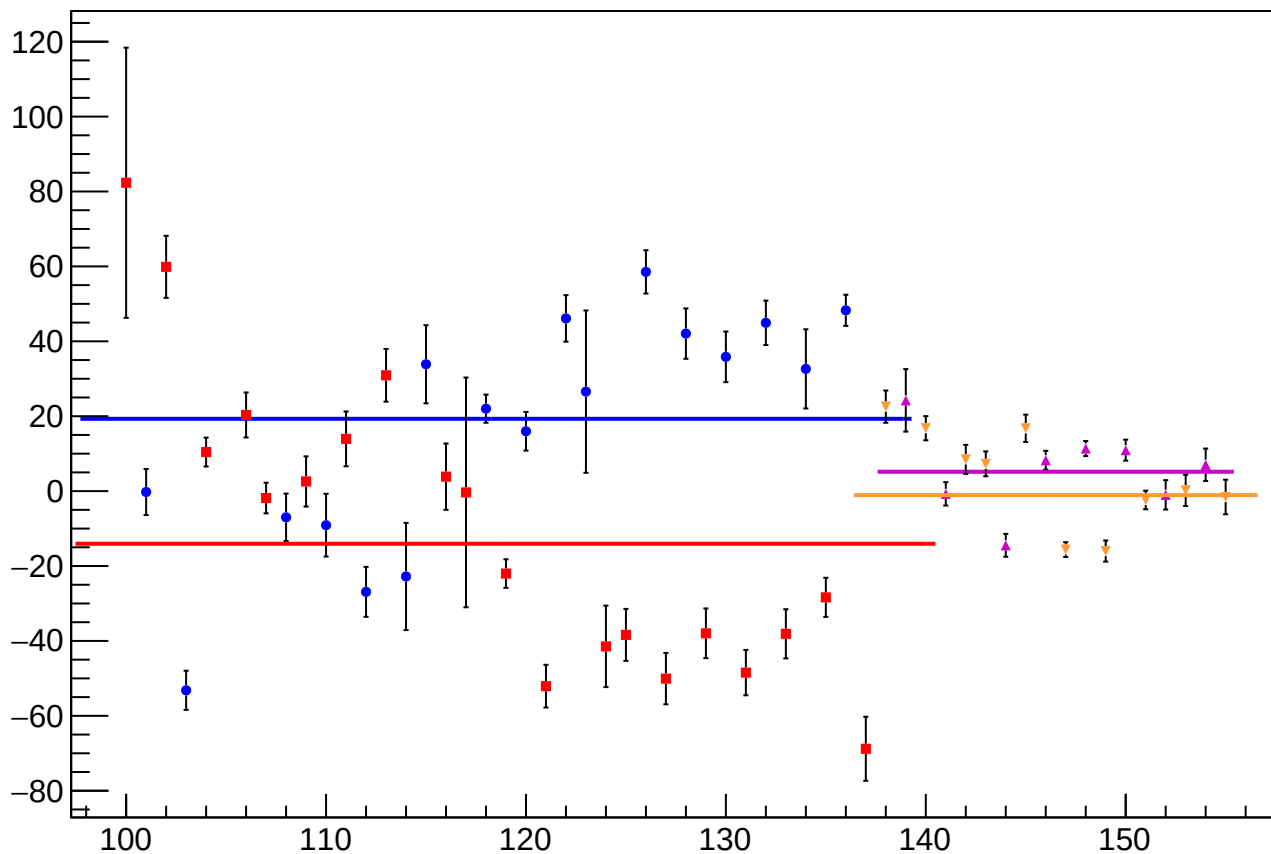
Left In: -203.459+/-1.612 χ^2/NDF : 146.3/7

192.439+/-1.497 χ^2/NDF : 489.0/9

9.100+/-1.097 χ^2/NDF : 33012.3/17

-203.459+/-1.612 χ^2/NDF : 146.3/7

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: -1.070 ± 0.986 χ^2/NDF : 179.1/9

Right Out: -14.055 ± 1.388 χ^2/NDF : 437.1/19

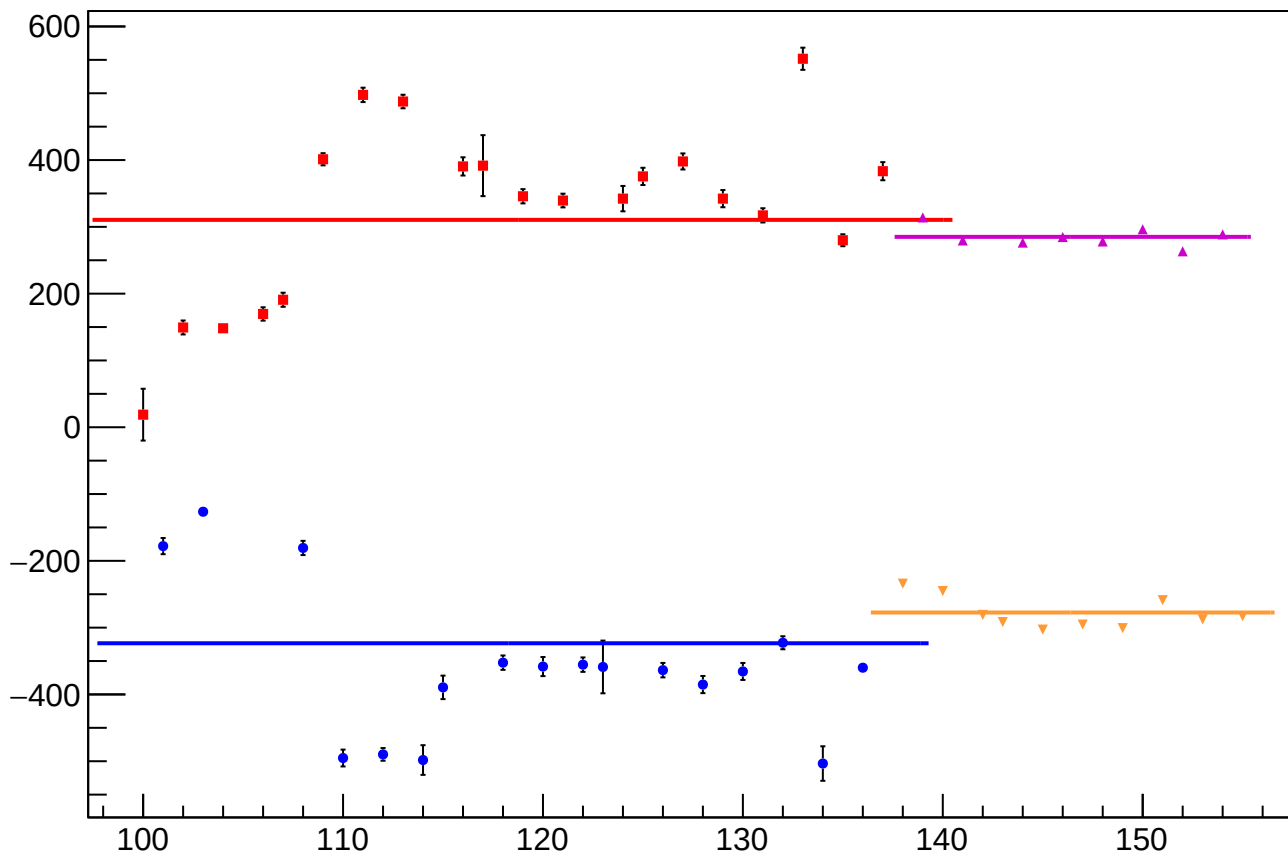
Left In: 5.175 ± 1.069 χ^2/NDF : 68.1/7

5.075 ± 0.824 χ^2/NDF : 749.2/26

1.644 ± 0.591 χ^2/NDF : 1410.6/54

-1.980 ± 0.847 χ^2/NDF : 625.7/27

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -323.402 $\pm$ 2.684 χ^2 /NDF: 1849.6/16

Left Out: -277.352 $\pm$ 1.499 χ^2 /NDF: 256.4/9

Right Out: 310.484 $\pm$ 2.520 χ^2 /NDF: 2302.0/19

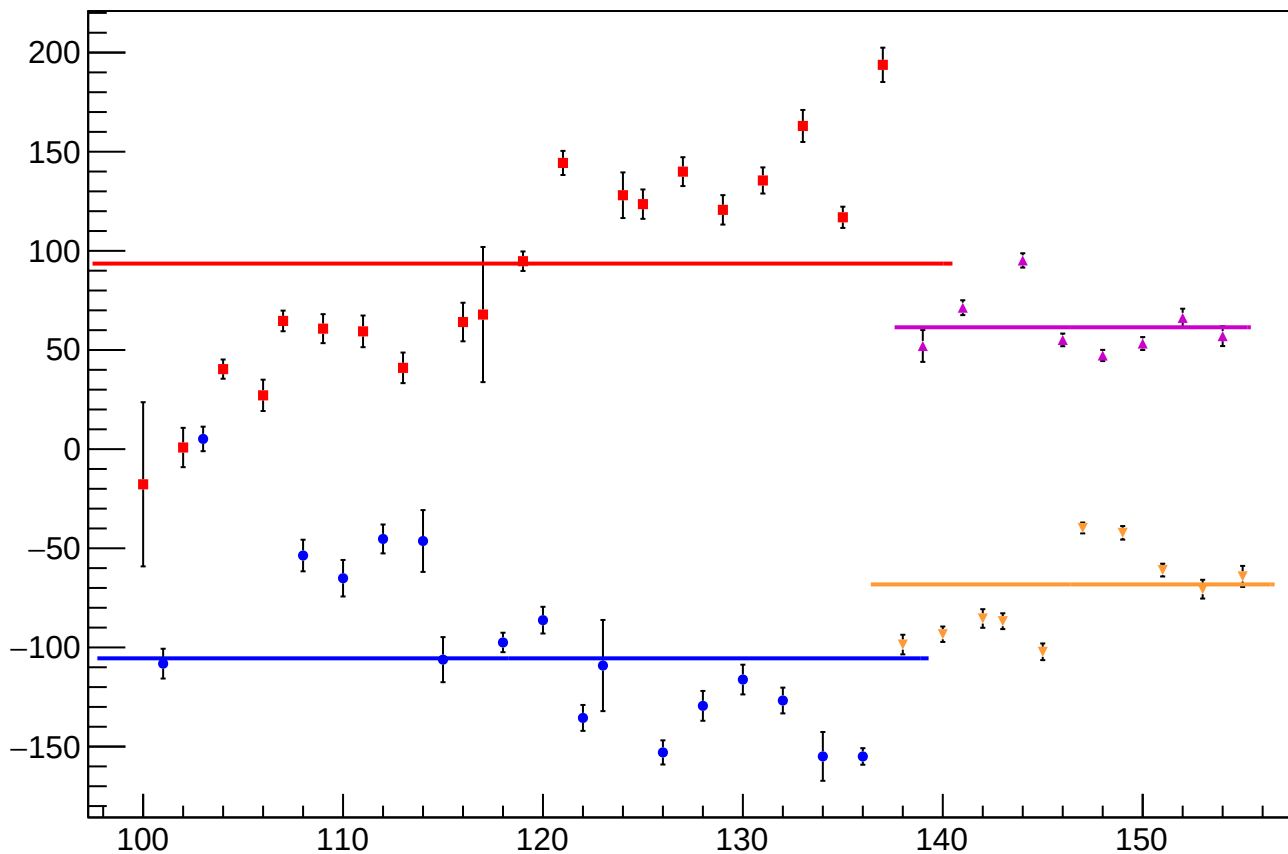
Left In: 285.026 $\pm$ 1.594 χ^2 /NDF: 68.9/7

-288.298 $\pm$ 1.309 χ^2 /NDF: 2330.4/26

-6.403 $\pm$ 0.939 χ^2 /NDF: 100354.6/54

292.302 $\pm$ 1.347 χ^2 /NDF: 2443.8/27

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: -68.223 ± 1.224 χ^2/NDF : 351.7/9

Right Out: 93.579 ± 1.608 χ^2/NDF : 827.7/19

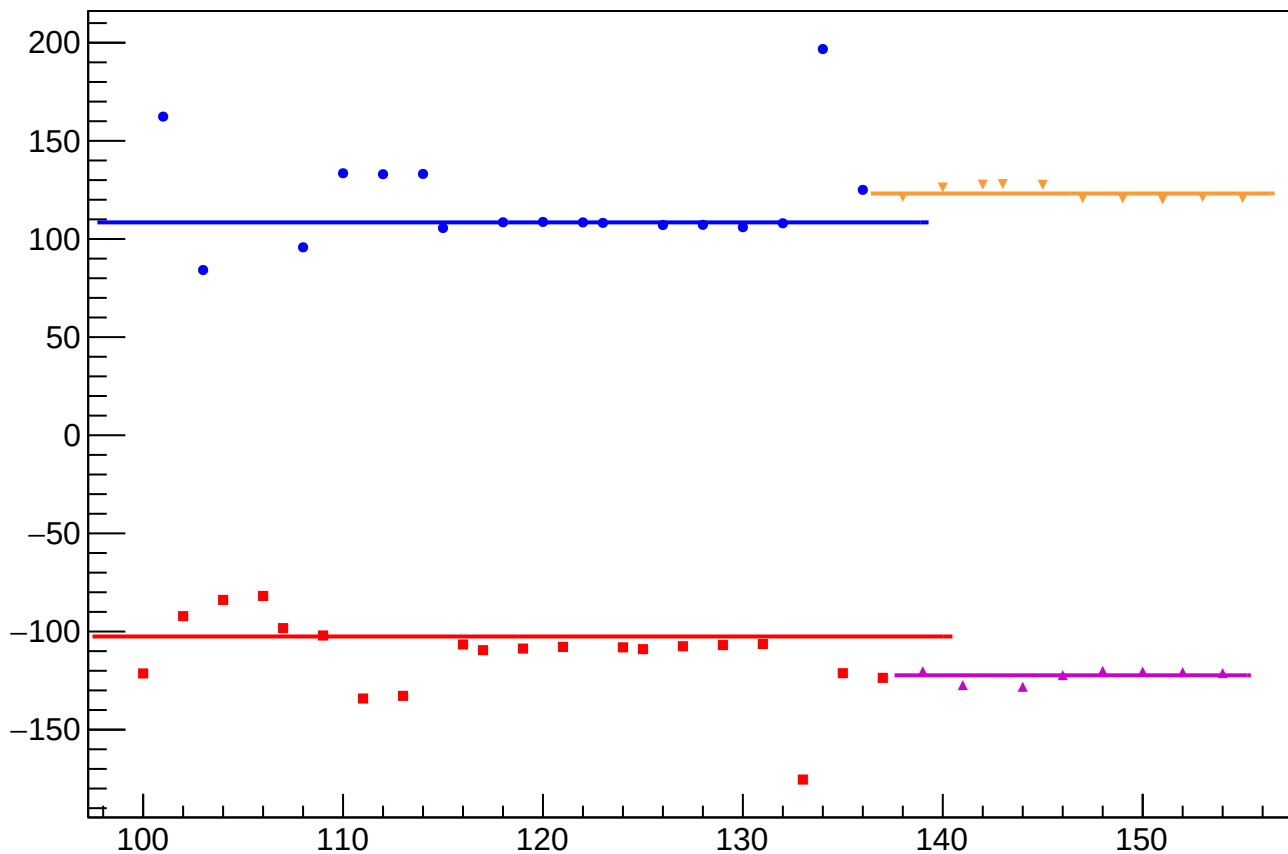
Left In: 61.455 ± 1.328 χ^2/NDF : 132.9/7

-80.834 ± 0.996 χ^2/NDF : 1402.6/26

-5.347 ± 0.714 χ^2/NDF : 14422.9/54

74.477 ± 1.024 χ^2/NDF : 1197.7/27

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: 123.181 ± 0.062 $\chi^2/\text{NDF}: 2620.6/9$

Right Out: -102.532 ± 0.079 $\chi^2/\text{NDF}: 53003.2/19$

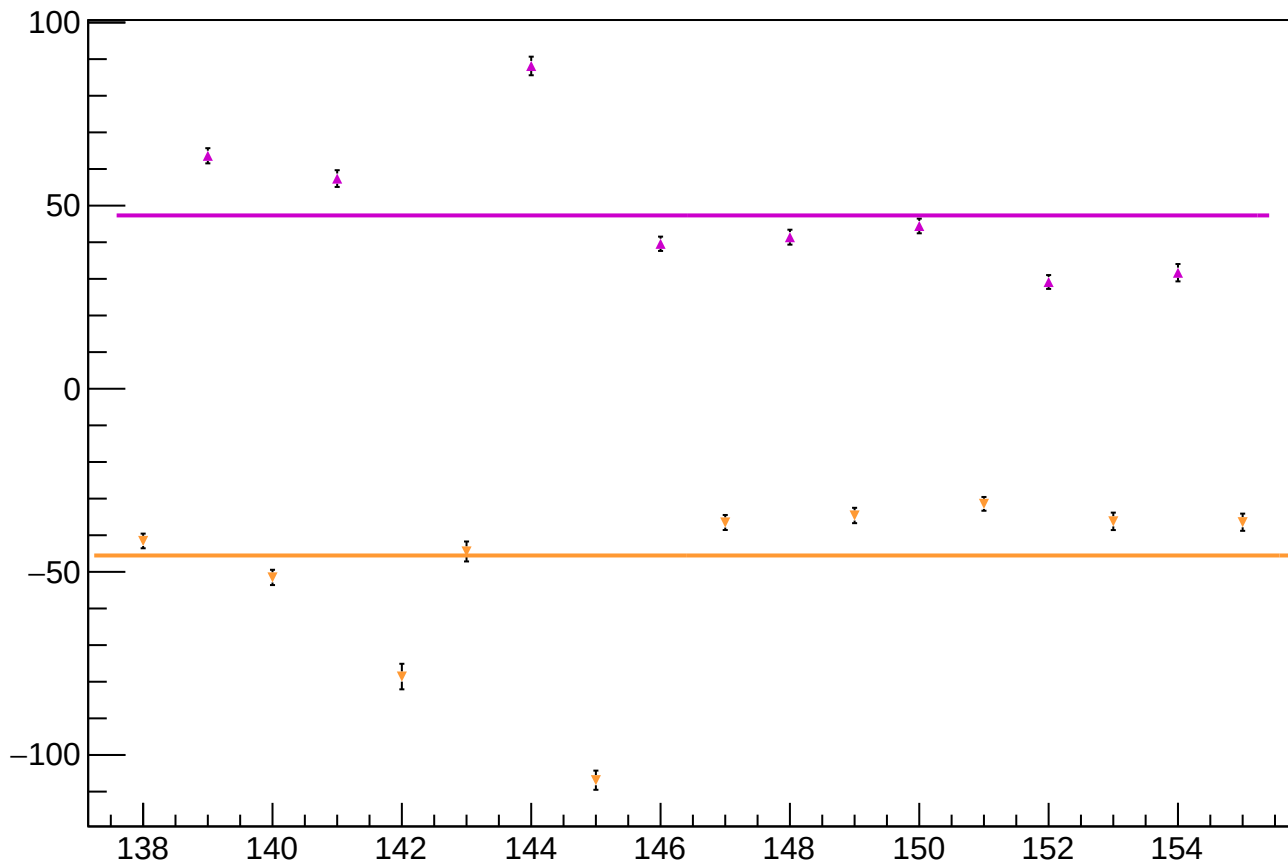
Left In: -122.308 ± 0.065 $\chi^2/\text{NDF}: 2107.0/7$

118.090 ± 0.050 $\chi^2/\text{NDF}: 95545.4/26$

3.081 ± 0.036 $\chi^2/\text{NDF}: 10885359.7/54$

-114.325 ± 0.051 $\chi^2/\text{NDF}: 92019.1/27$

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: -45.527+/-0.716 χ^2/NDF : 784.0/9

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

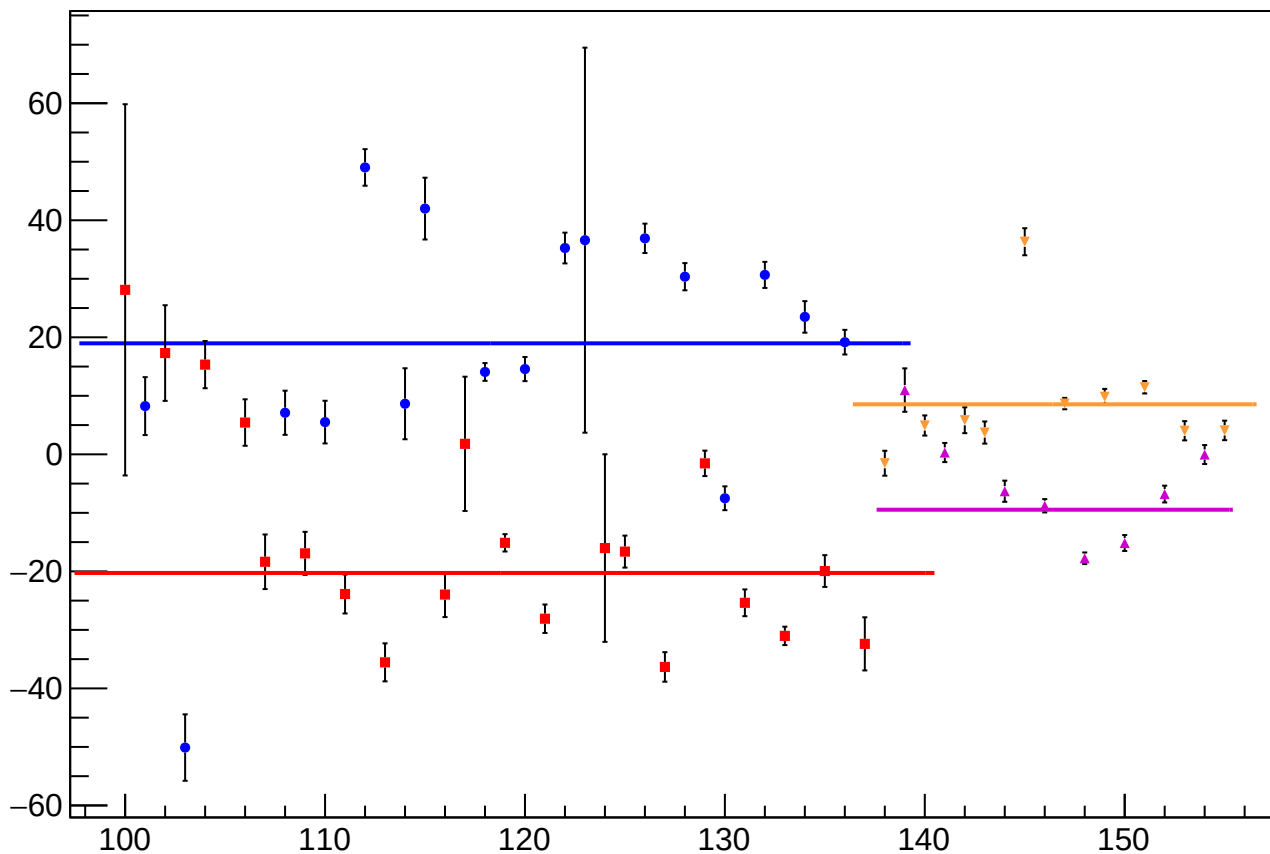
Left In: 47.324+/-0.748 χ^2/NDF : 501.7/7

-45.527+/-0.716 χ^2/NDF : 784.0/9

-1.110+/-0.517 χ^2/NDF : 9319.8/17

47.324+/-0.748 χ^2/NDF : 501.7/7

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: 8.549 ± 0.474 χ^2/NDF : 202.5/9

Right Out: -20.269 ± 0.641 χ^2/NDF : 370.1/19

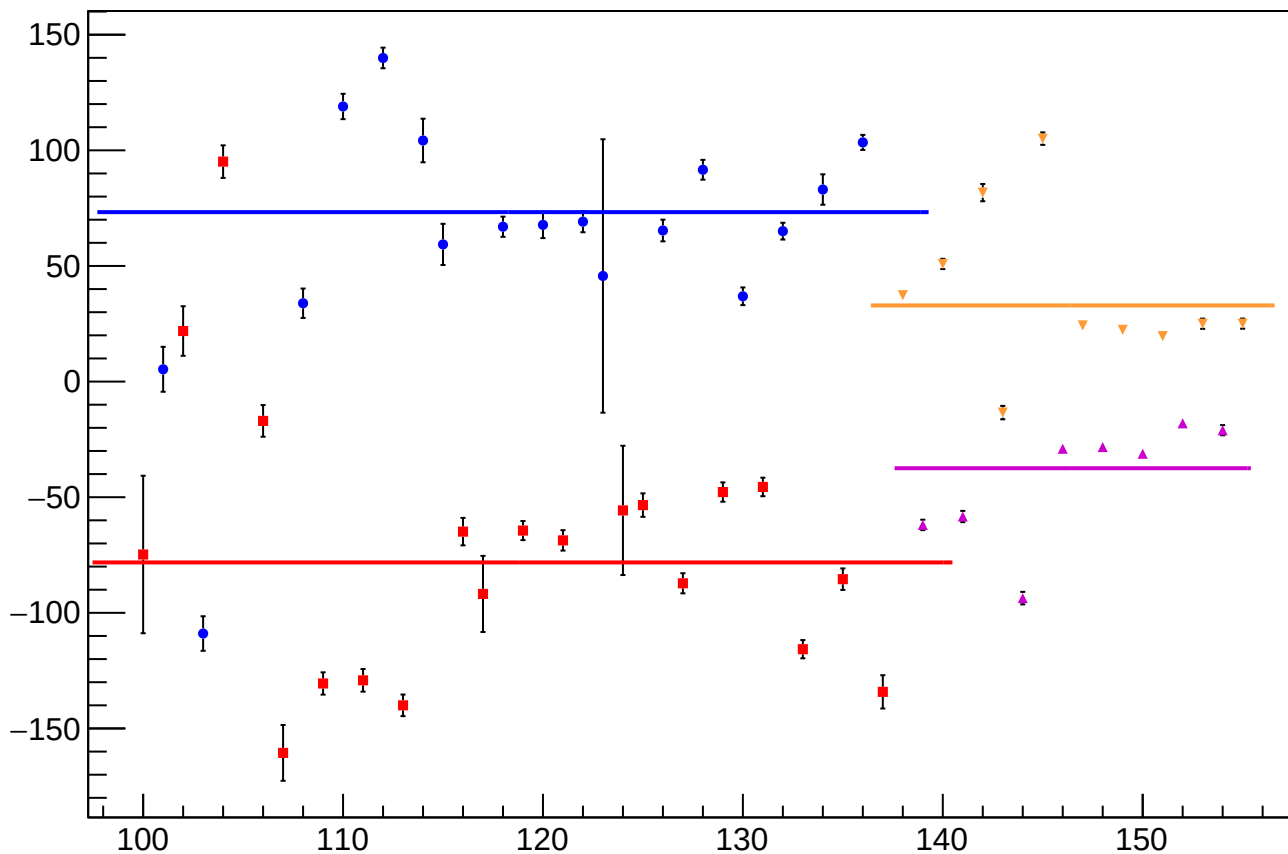
Left In: -9.463 ± 0.504 χ^2/NDF : 194.1/7

12.148 ± 0.384 χ^2/NDF : 987.6/26

-0.314 ± 0.276 χ^2/NDF : 3905.1/54

-13.585 ± 0.396 χ^2/NDF : 739.9/27

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: 32.930+/-0.708 χ^2/NDF : 1335.5/9

Right Out: -78.205+/-1.219 χ^2/NDF : 1544.0/19

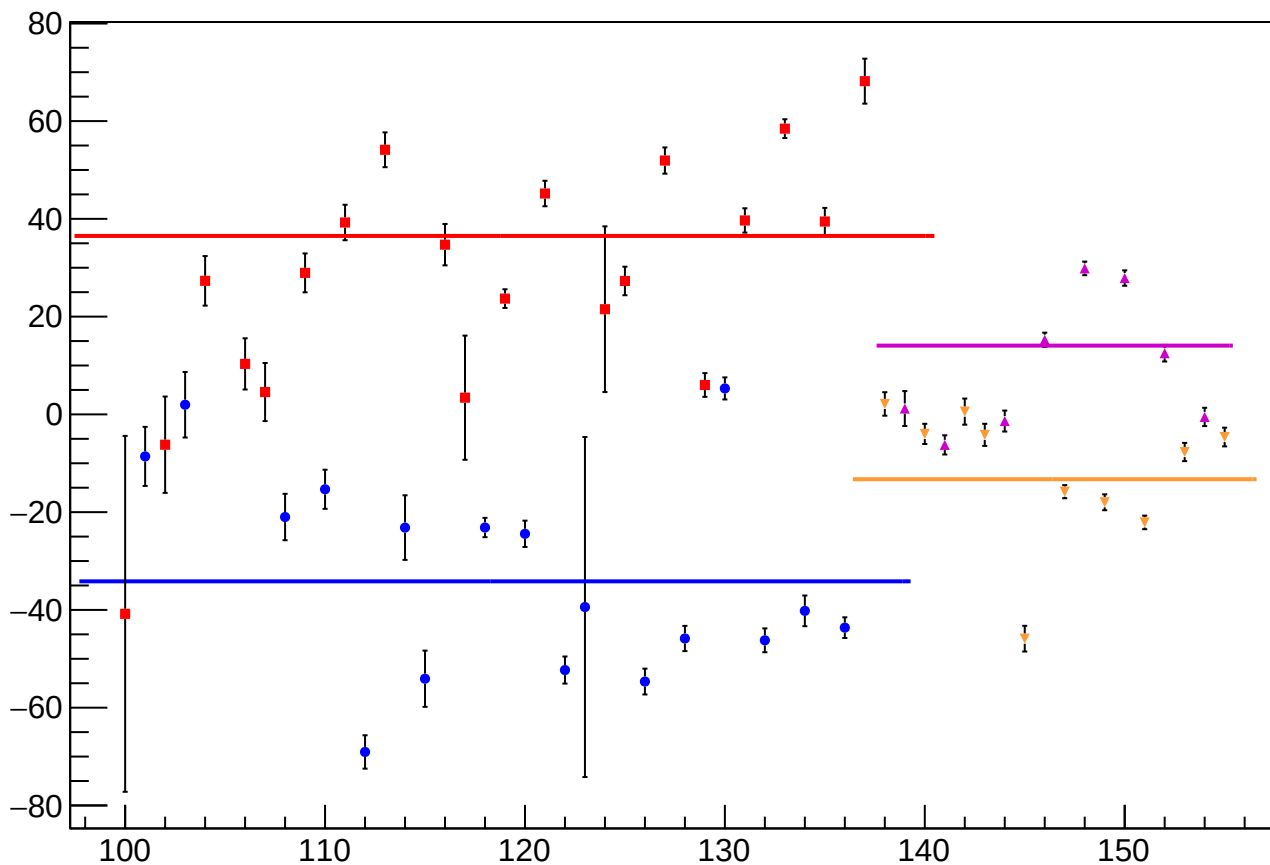
Left In: -37.466+/-0.734 χ^2/NDF : 845.9/7

42.889+/-0.614 χ^2/NDF : 3336.1/26

-1.642+/-0.439 χ^2/NDF : 17306.9/54

-48.304+/-0.629 χ^2/NDF : 3209.4/27

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: -13.264 ± 0.587 χ^2/NDF : 339.6/9

Right Out: 36.507 ± 0.735 χ^2/NDF : 553.8/19

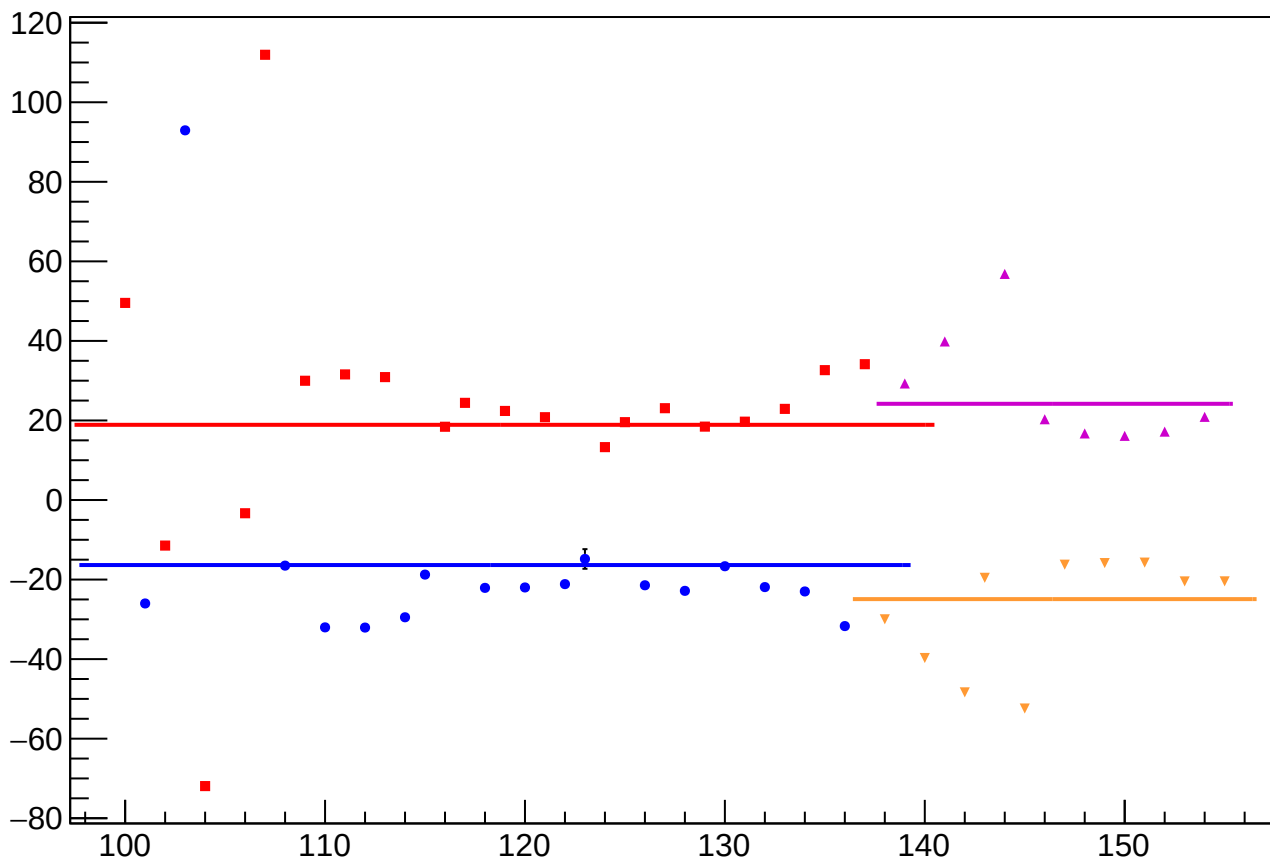
Left In: 14.067 ± 0.623 χ^2/NDF : 440.1/7

-21.269 ± 0.461 χ^2/NDF : 1542.2/26

0.428 ± 0.331 χ^2/NDF : 7643.0/54

23.450 ± 0.475 χ^2/NDF : 1537.0/27

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.349 ± 0.045 χ^2/NDF : 474192.3/16

Left Out: -24.916 ± 0.029 χ^2/NDF : 160810.5/9

Right Out: 18.906 ± 0.045 χ^2/NDF : 433847.1/19

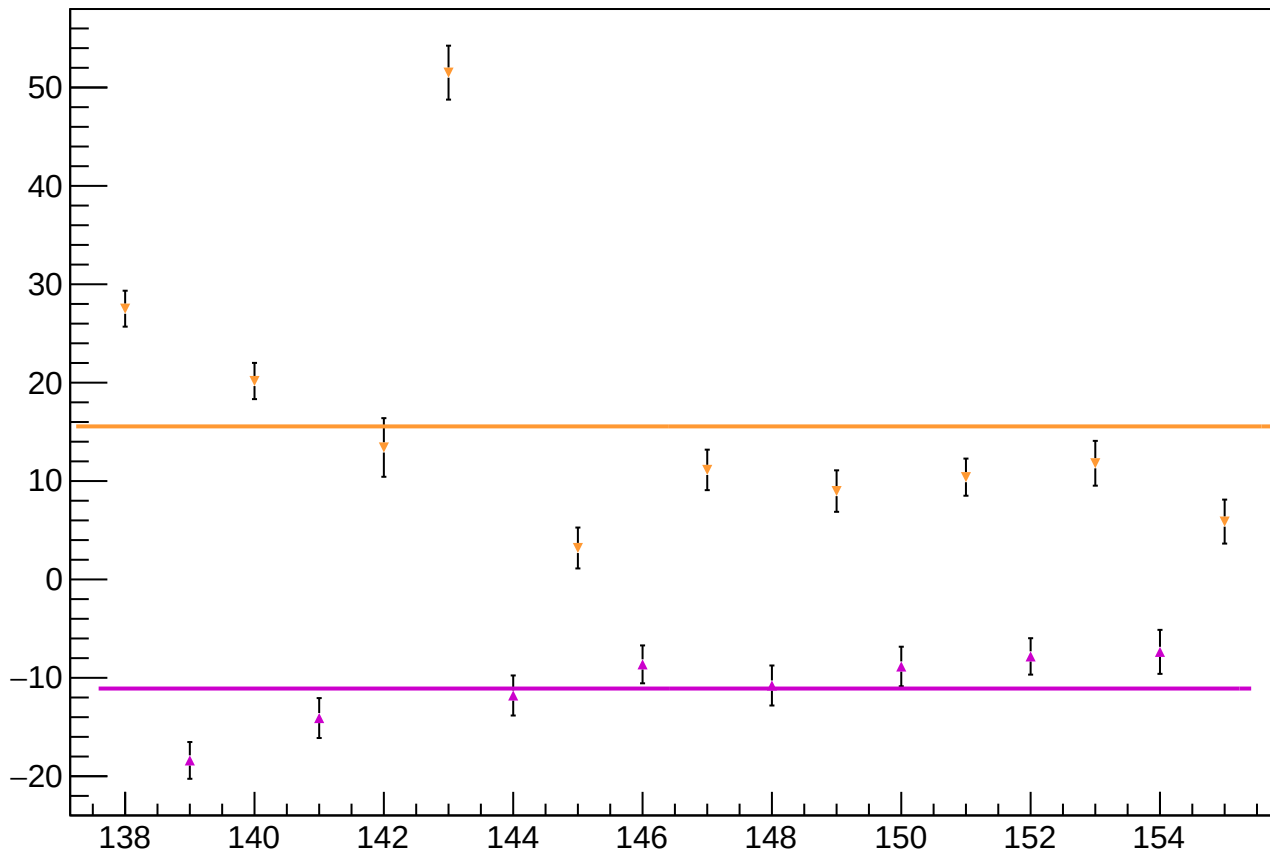
Left In: 24.189 ± 0.030 χ^2/NDF : 136478.4/7

-22.412 ± 0.024 χ^2/NDF : 661063.6/26

-0.562 ± 0.017 χ^2/NDF : 2929127.7/54

22.594 ± 0.025 χ^2/NDF : 579854.6/27

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: 15.554+/-0.673 χ^2/NDF : 300.3/9

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

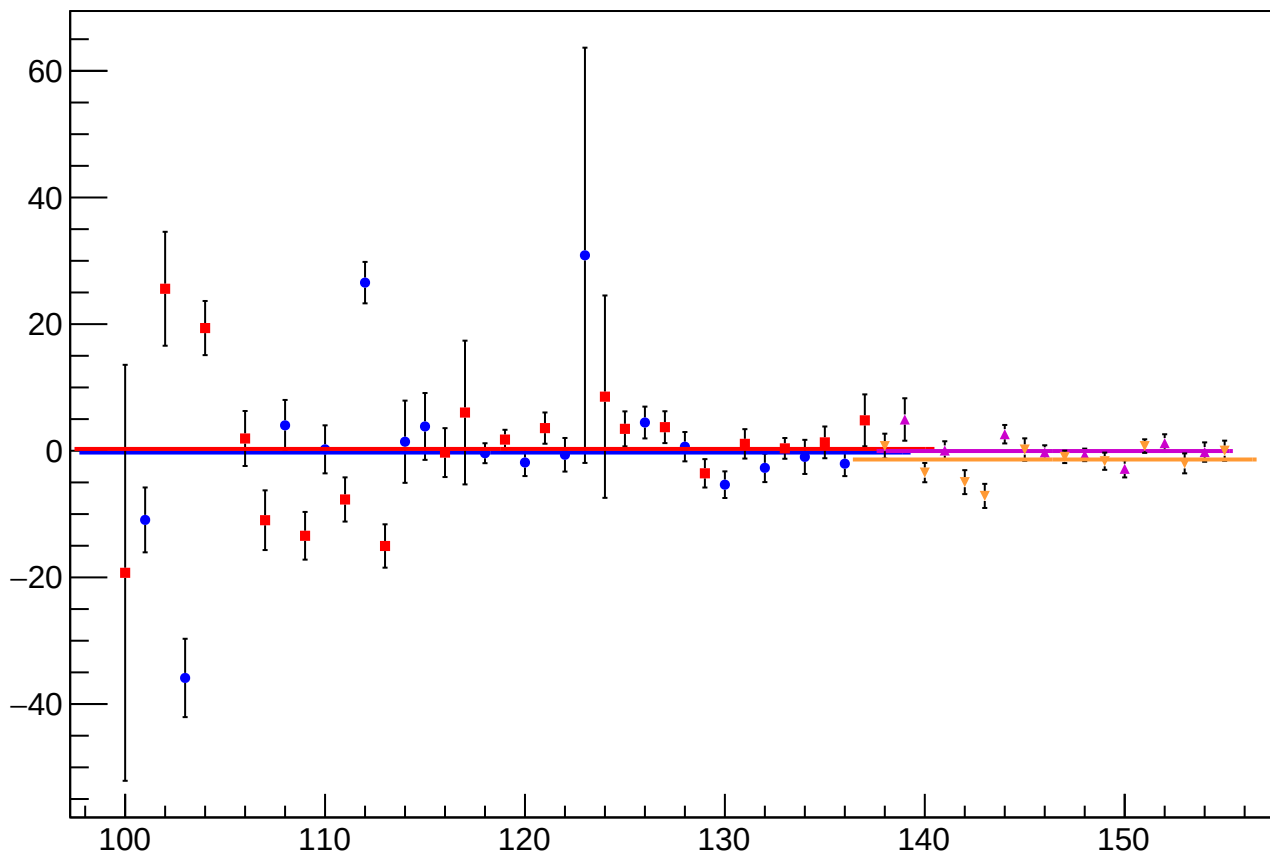
Left In: -11.088+/-0.703 χ^2/NDF : 26.4/7

15.554+/-0.673 χ^2/NDF : 300.3/9

2.817+/-0.486 χ^2/NDF : 1075.7/17

-11.088+/-0.703 χ^2/NDF : 26.4/7

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: -1.378 ± 0.455 χ^2/NDF : 21.5/9

Right Out: 0.289 ± 0.655 χ^2/NDF : 83.4/19

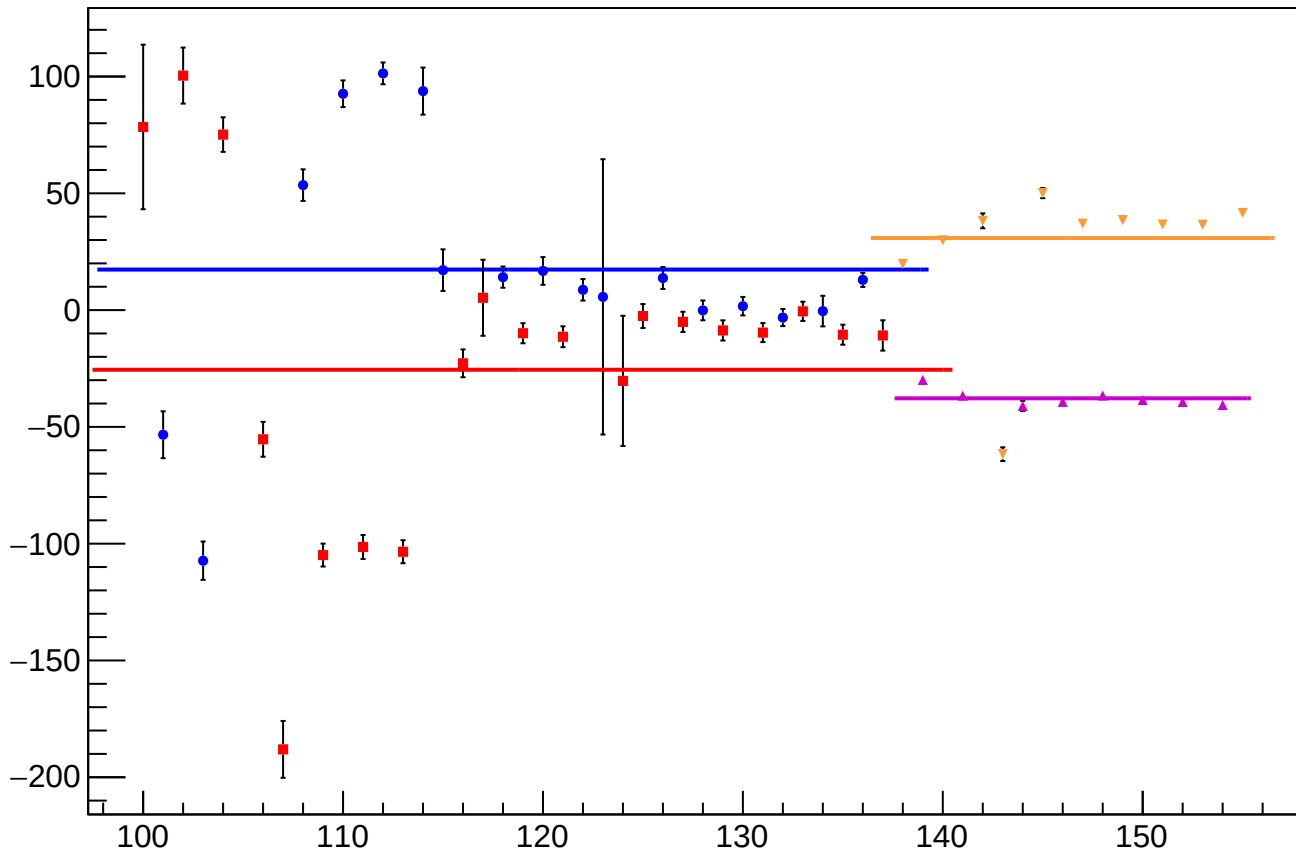
Left In: -0.043 ± 0.482 χ^2/NDF : 11.0/7

-1.026 ± 0.375 χ^2/NDF : 142.9/26

-0.495 ± 0.270 χ^2/NDF : 241.7/54

0.074 ± 0.388 χ^2/NDF : 94.6/27

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.361 ± 1.247 χ^2/NDF : 943.0/16

Left Out: 30.873 ± 0.670 χ^2/NDF : 1184.1/9

Right Out: -25.537 ± 1.239 χ^2/NDF : 1382.4/19

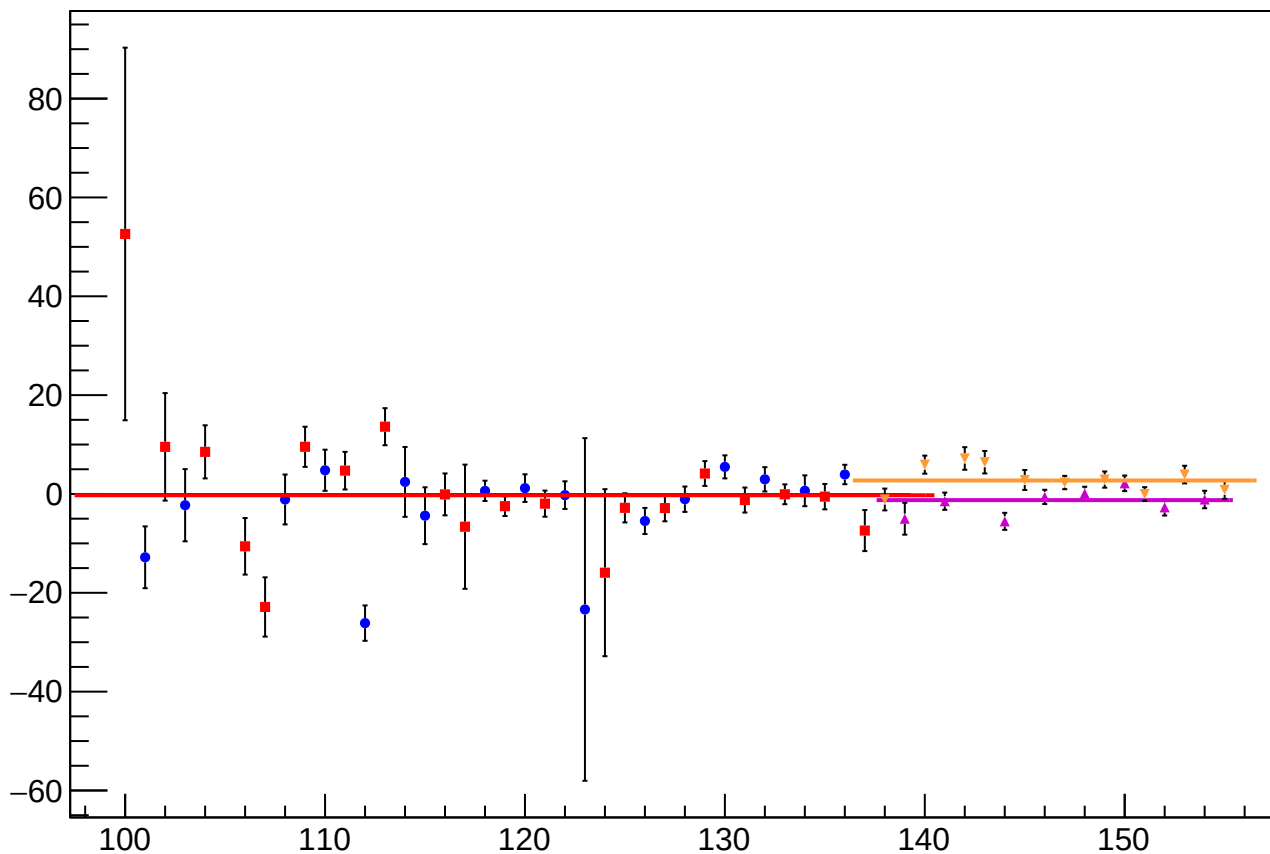
Left In: -37.766 ± 0.695 χ^2/NDF : 21.6/7

27.847 ± 0.590 χ^2/NDF : 2218.3/26

-2.662 ± 0.423 χ^2/NDF : 9189.6/54

-34.842 ± 0.606 χ^2/NDF : 1478.1/27

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.211 ± 0.752 χ^2/NDF : 75.9/16

Left Out: 2.729 ± 0.560 χ^2/NDF : 18.1/9

Right Out: -0.262 ± 0.747 χ^2/NDF : 54.8/19

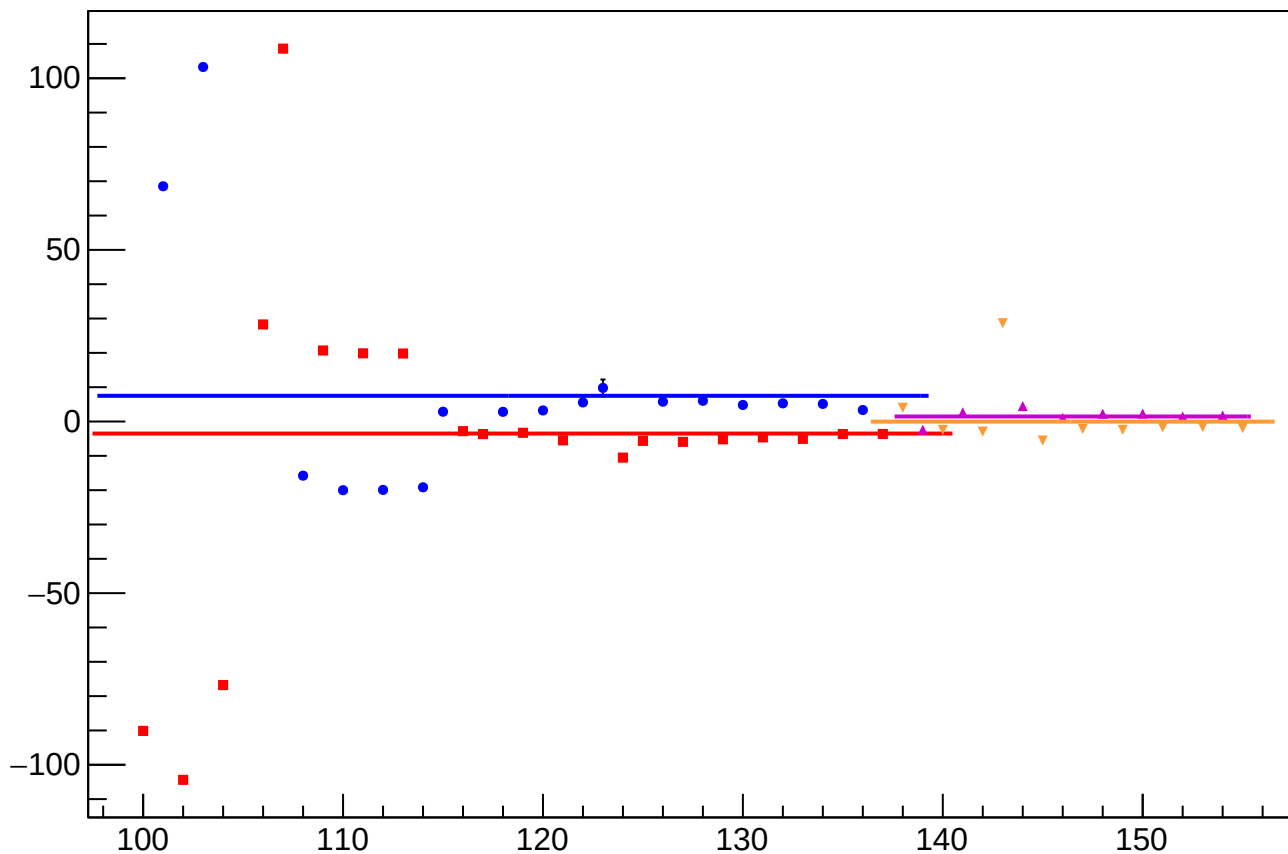
Left In: -1.246 ± 0.592 χ^2/NDF : 14.1/7

1.680 ± 0.449 χ^2/NDF : 103.8/26

0.449 ± 0.323 χ^2/NDF : 189.3/54

-0.866 ± 0.464 χ^2/NDF : 70.0/27

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 7.492 ± 0.045 $\chi^2/\text{NDF}: 355979.0/16$

Left Out: -0.032 ± 0.027 $\chi^2/\text{NDF}: 71078.2/9$

Right Out: -3.504 ± 0.046 $\chi^2/\text{NDF}: 510579.5/19$

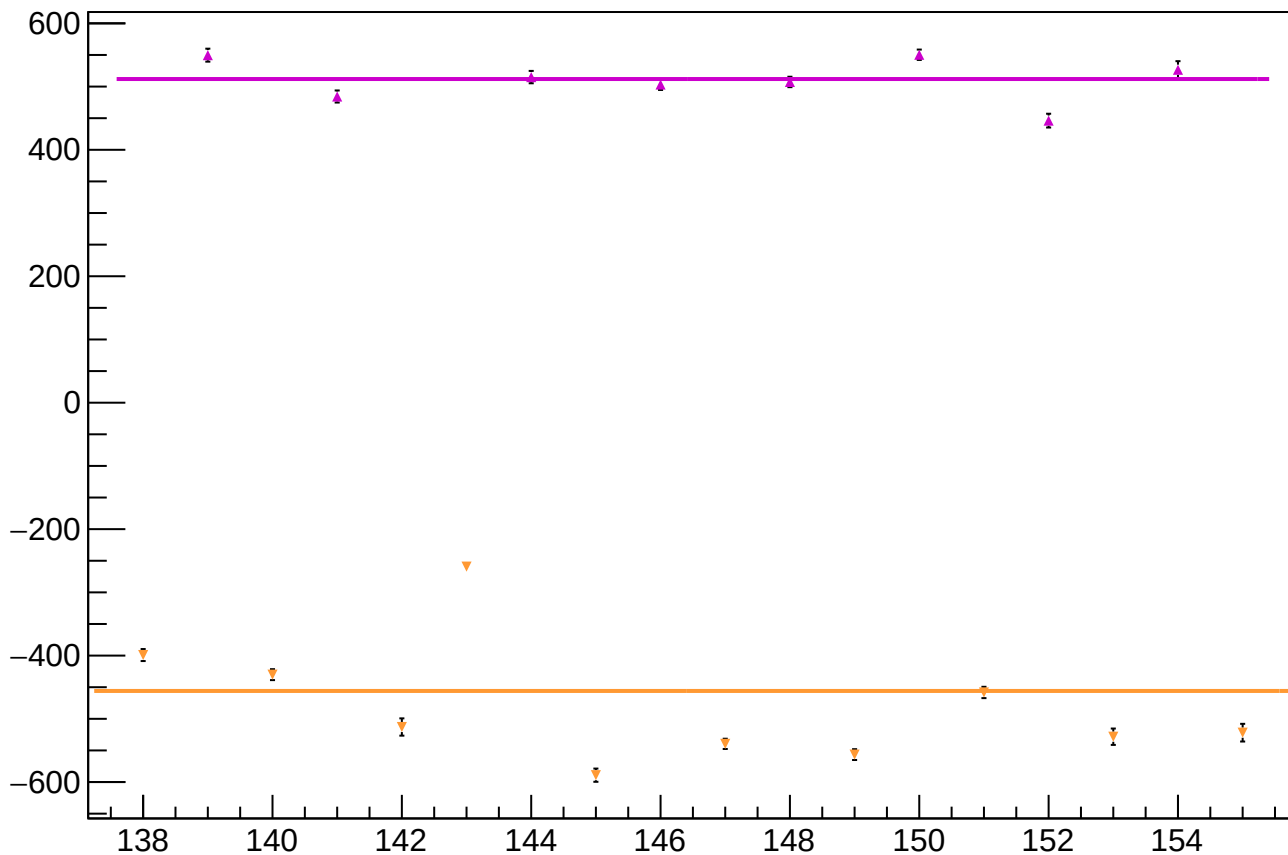
Left In: 1.468 ± 0.028 $\chi^2/\text{NDF}: 4368.2/7$

1.985 ± 0.023 $\chi^2/\text{NDF}: 447857.2/26$

1.074 ± 0.017 $\chi^2/\text{NDF}: 974662.0/54$

0.100 ± 0.024 $\chi^2/\text{NDF}: 523588.7/27$

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: -455.922+/-2.993 χ^2/NDF : 1307.4/9

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

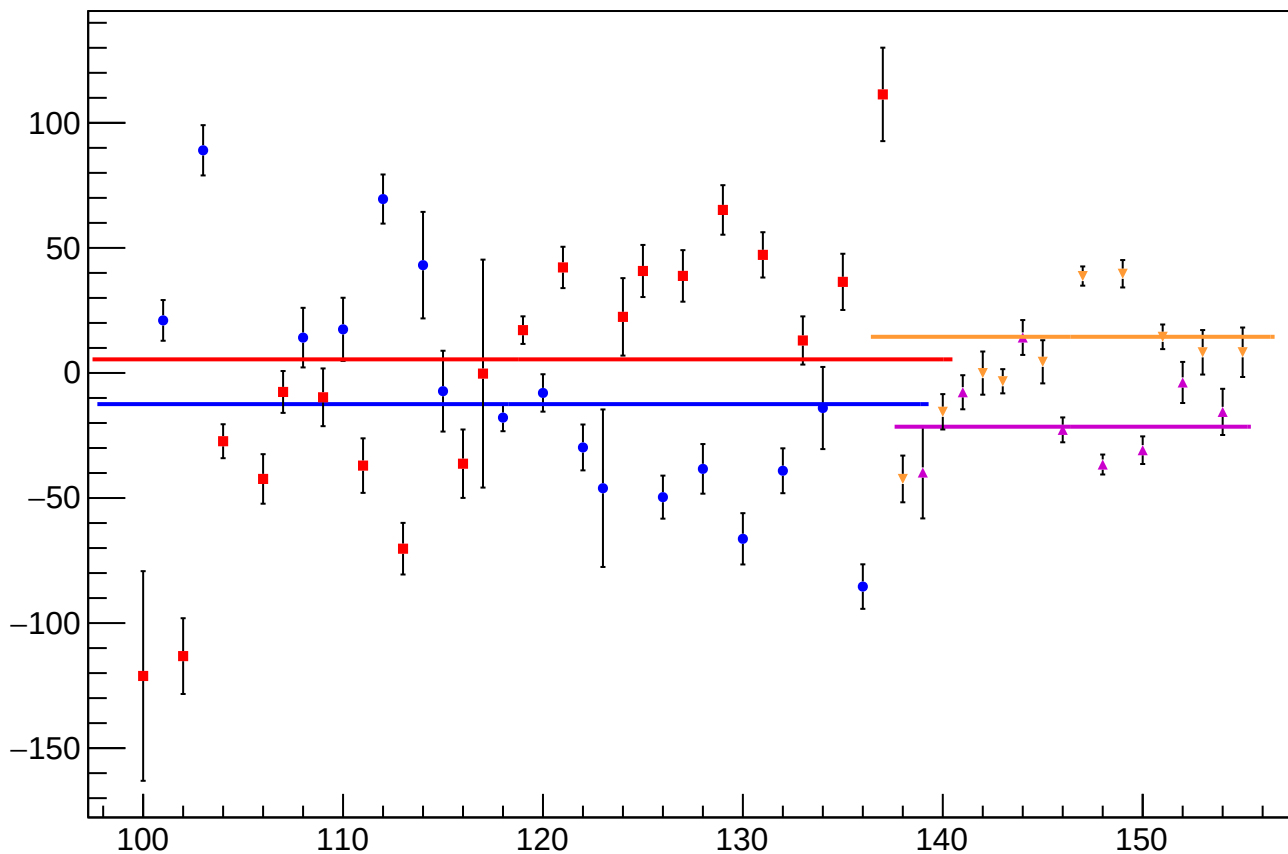
Left In: 511.947+/-3.372 χ^2/NDF : 82.8/7

-455.922+/-2.993 χ^2/NDF : 1307.4/9

-29.424+/-2.239 χ^2/NDF : 47460.1/17

511.947+/-3.372 χ^2/NDF : 82.8/7

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: 14.463 ± 1.939 χ^2/NDF : 134.6/9

Right Out: 5.439 ± 2.256 χ^2/NDF : 345.0/19

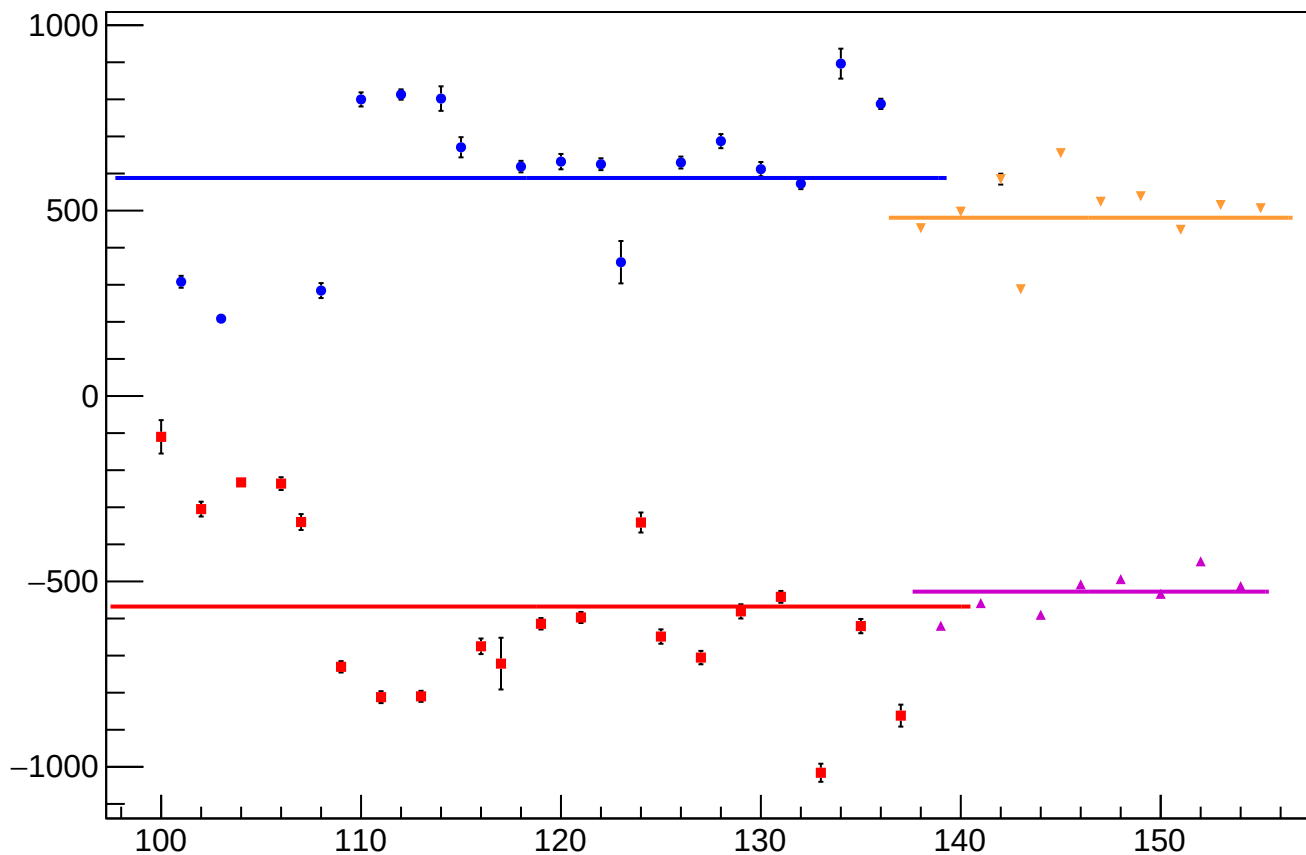
Left In: -21.487 ± 2.195 χ^2/NDF : 53.6/7

3.552 ± 1.495 χ^2/NDF : 553.8/26

-2.118 ± 1.084 χ^2/NDF : 1055.9/54

-8.393 ± 1.573 χ^2/NDF : 471.8/27

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 587.994 $\pm$ 4.353 χ^2/NDF : 2129.6/16

Left Out: 480.793 $\pm$ 2.995 χ^2/NDF : 1084.9/9

Right Out: -567.720 $\pm$ 4.129 χ^2/NDF : 2788.1/19

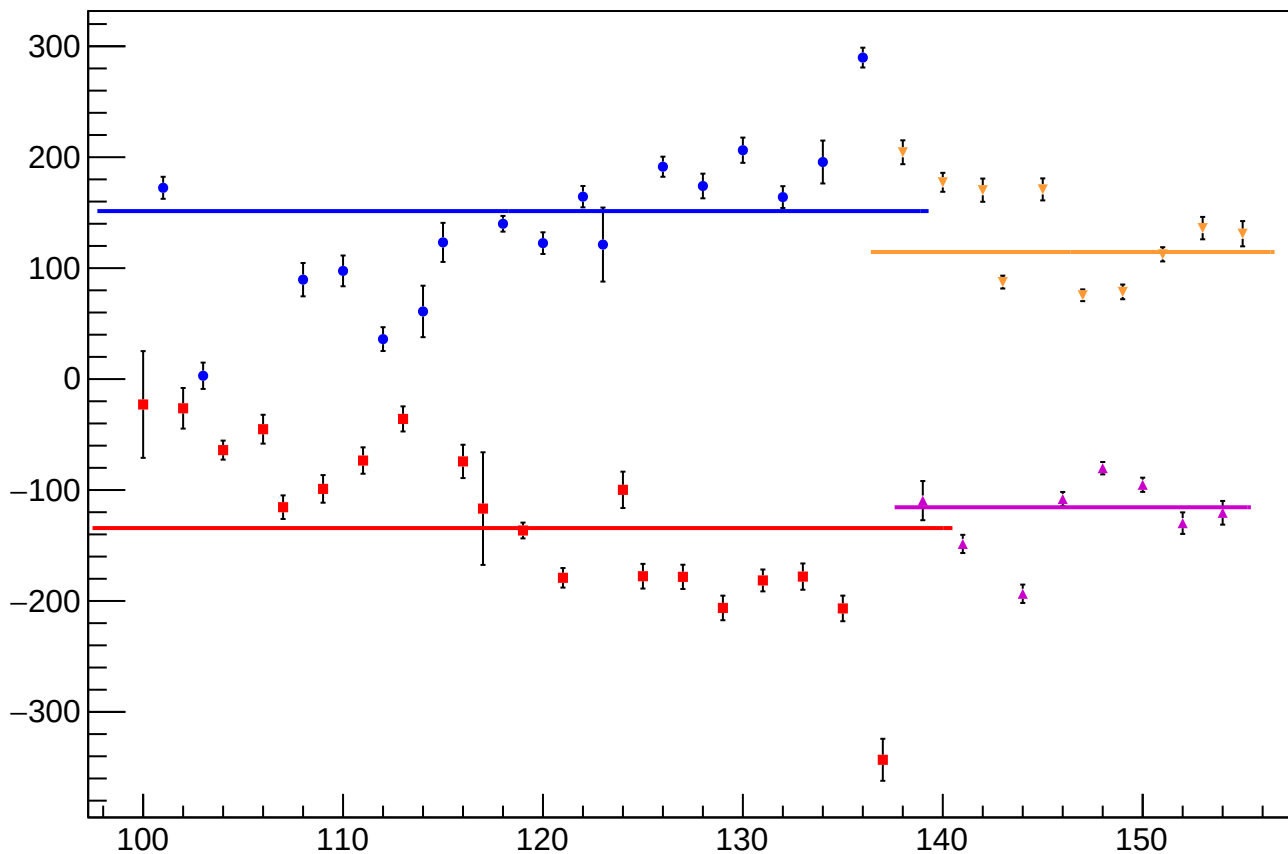
Left In: -527.562 $\pm$ 3.314 χ^2/NDF : 201.3/7

515.234 $\pm$ 2.467 χ^2/NDF : 3626.3/26

10.577 $\pm$ 1.785 χ^2/NDF : 94435.0/54

-543.300 $\pm$ 2.585 χ^2/NDF : 3046.9/27

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 151.421 $\pm$ 2.709 χ^2 /NDF: 633.3/16

Left Out: 114.531 $\pm$ 2.415 χ^2 /NDF: 296.6/9

Right Out: -134.299 $\pm$ 2.612 χ^2 /NDF: 585.0/19

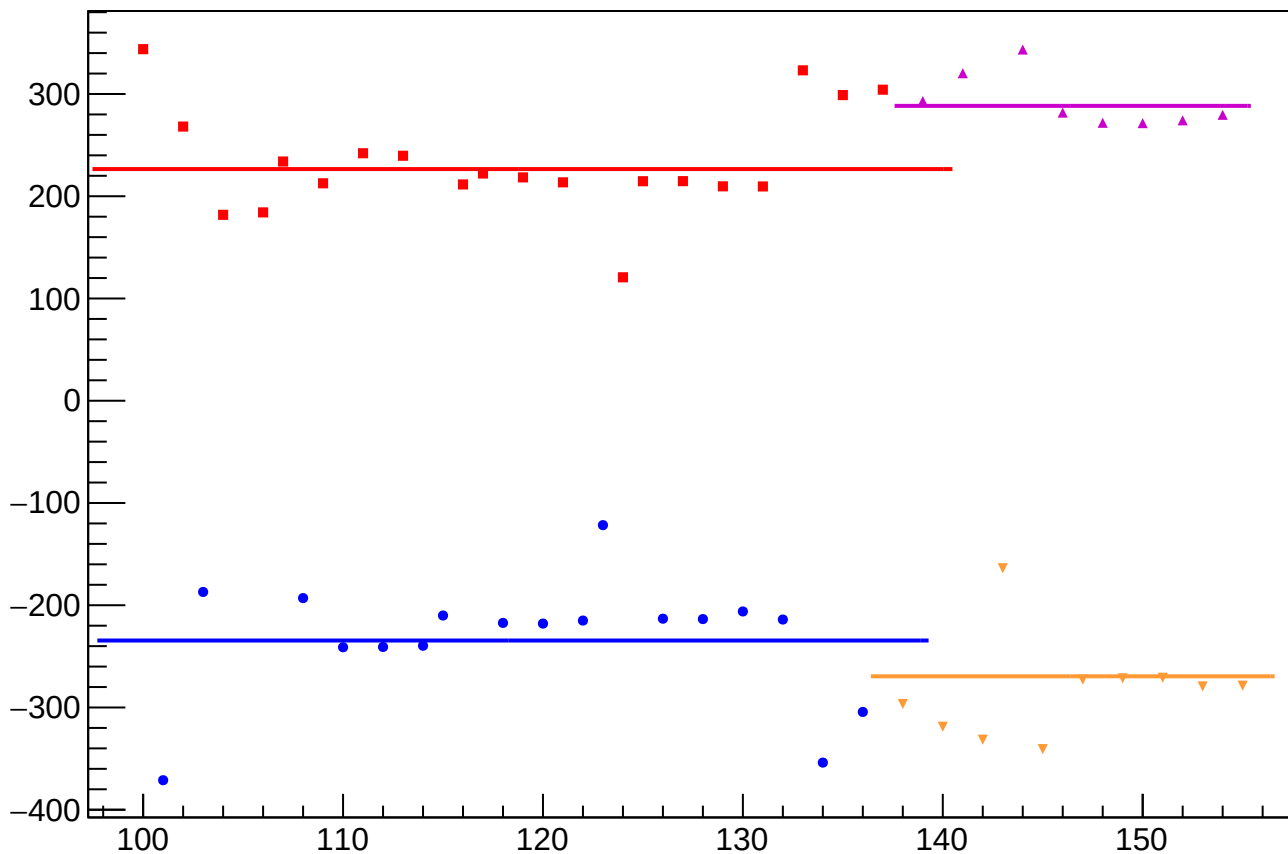
Left In: -115.546 $\pm$ 2.741 χ^2 /NDF: 158.8/7

130.867 $\pm$ 1.803 χ^2 /NDF: 1033.2/26

8.860 $\pm$ 1.305 χ^2 /NDF: 11420.6/54

-125.375 $\pm$ 1.891 χ^2 /NDF: 768.3/27

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -234.501+/-0.149 χ^2 /NDF: 145046.5/16

Left Out: -269.508+/-0.124 χ^2 /NDF:182044.8/9

Right Out: 226.572+/-0.141 χ^2 /NDF: 98970.7/19

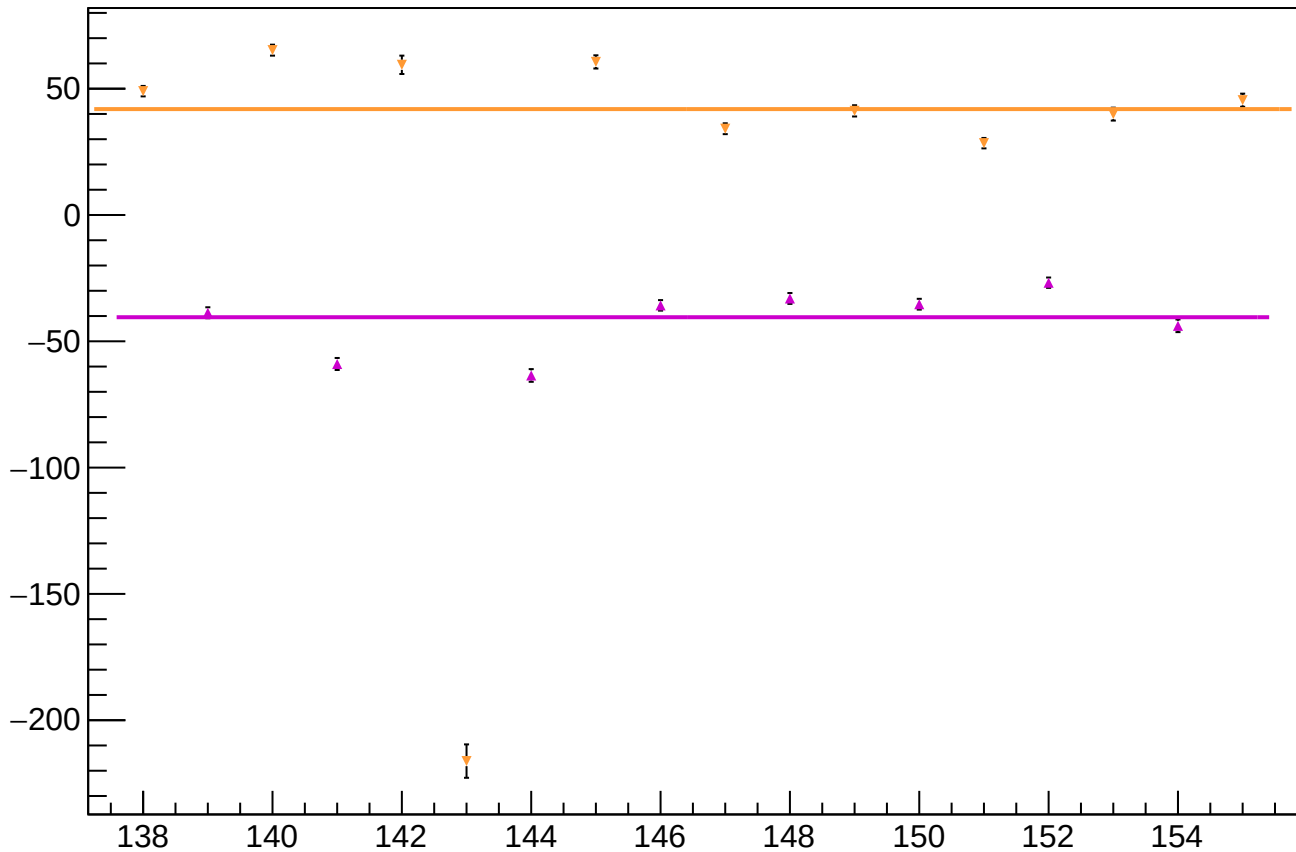
Left In: 288.389+/-0.137 χ^2 /NDF:27663.7/7

-255.187+/-0.095 χ^2 /NDF: 359697.7/26

-5.998+/-0.068 χ^2 /NDF: 14674351.7/54

258.515+/-0.098 χ^2 /NDF: 225576.7/27

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 41.923+/-0.780 χ^2/NDF :1783.4/9

41.923+/-0.780 χ^2/NDF : 1783.4/9

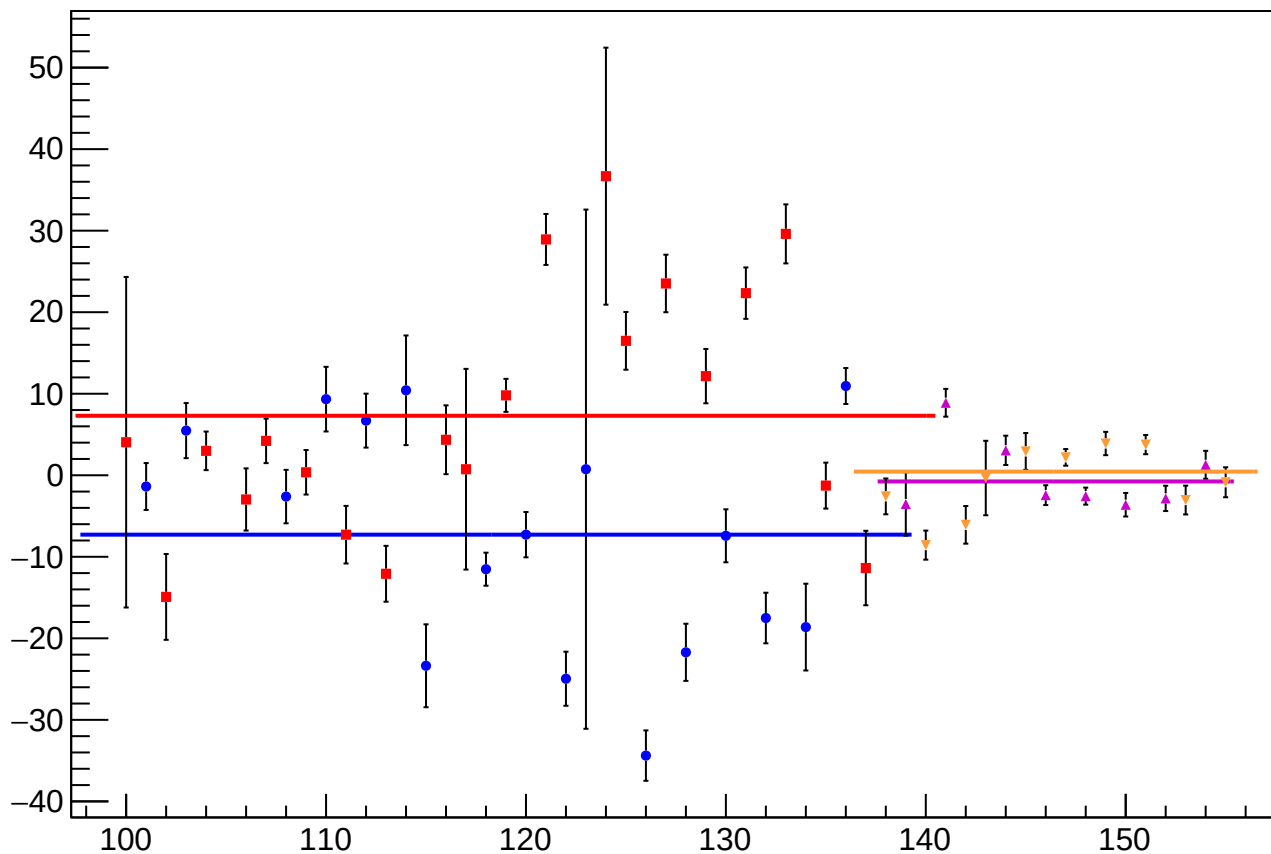
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

1.151+/-0.554 χ^2/NDF : 7525.3/17

Left In: -40.468+/-0.788 χ^2/NDF :214.5/7

-40.468+/-0.788 χ^2/NDF : 214.5/7

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: 0.449 ± 0.517 χ^2/NDF : 57.8/9

Right Out: 7.298 ± 0.759 χ^2/NDF : 255.6/19

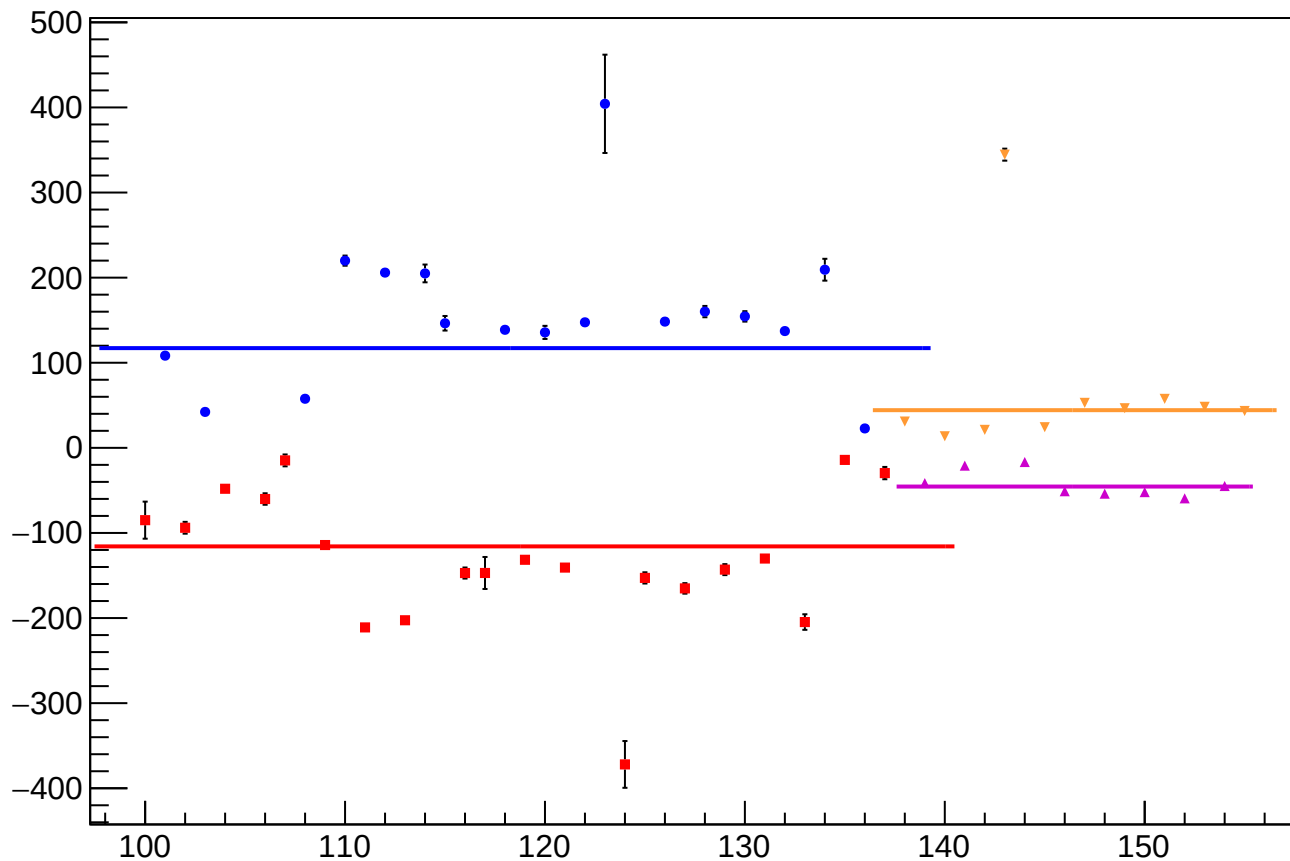
Left In: -0.759 ± 0.531 χ^2/NDF : 49.1/7

-1.875 ± 0.432 χ^2/NDF : 408.3/26

-0.006 ± 0.307 χ^2/NDF : 826.1/54

1.886 ± 0.435 χ^2/NDF : 380.3/27

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 117.187 $\pm$ 1.416 χ^2/NDF : 2161.0/16

Left Out: 44.265 $\pm$ 0.769 χ^2/NDF :2178.7/9

Right Out: -115.795 $\pm$ -1.357 χ^2/NDF : 2140.4/19

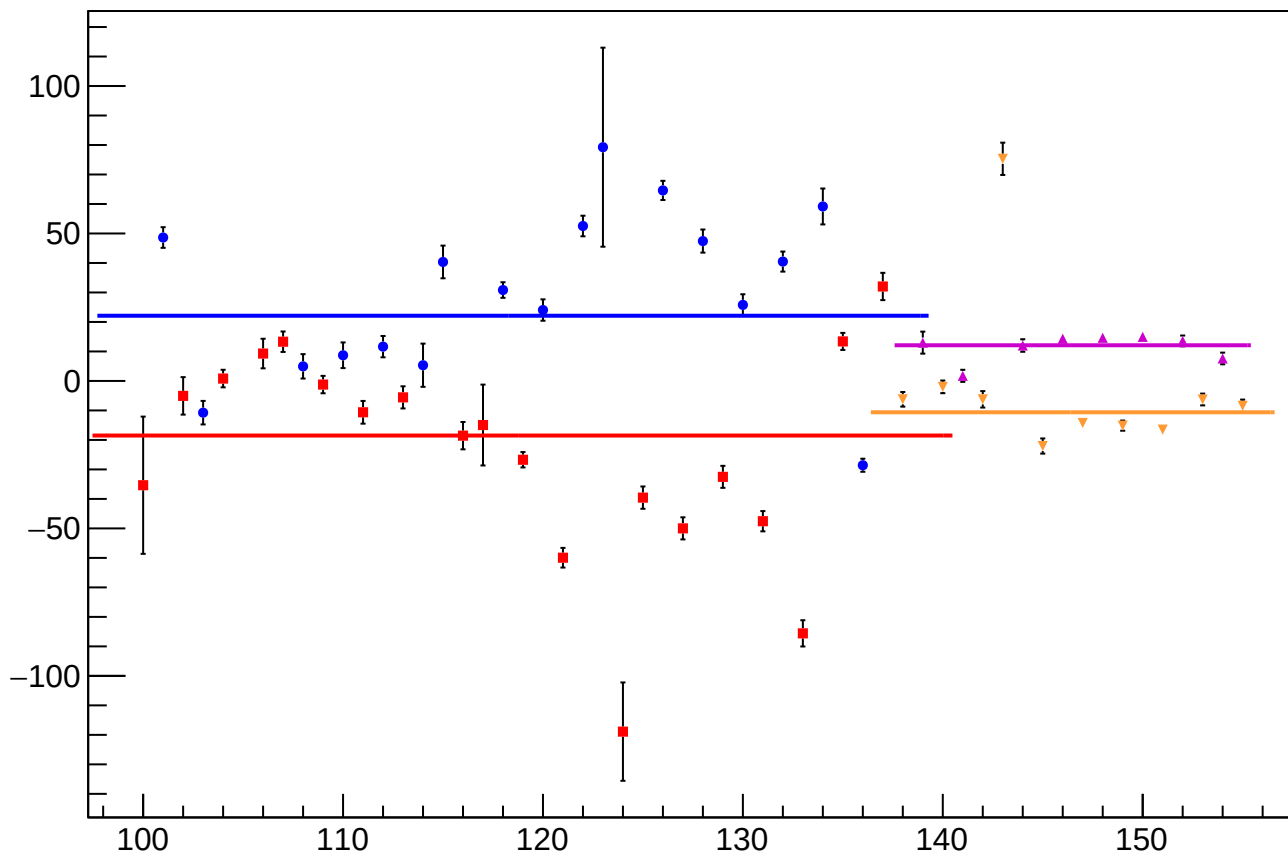
Left In: -45.477 $\pm$ -0.774 χ^2/NDF :297.8/7

60.874 $\pm$ -0.676 χ^2/NDF : 6386.7/26

-1.251 $\pm$ -0.477 χ^2/NDF : 27656.3/54

-62.732 $\pm$ -0.672 χ^2/NDF : 4463.1/27

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: -10.619 ± 0.641 χ^2/NDF : 321.9/9

Right Out: -18.506 ± 0.869 χ^2/NDF : 1068.6/19

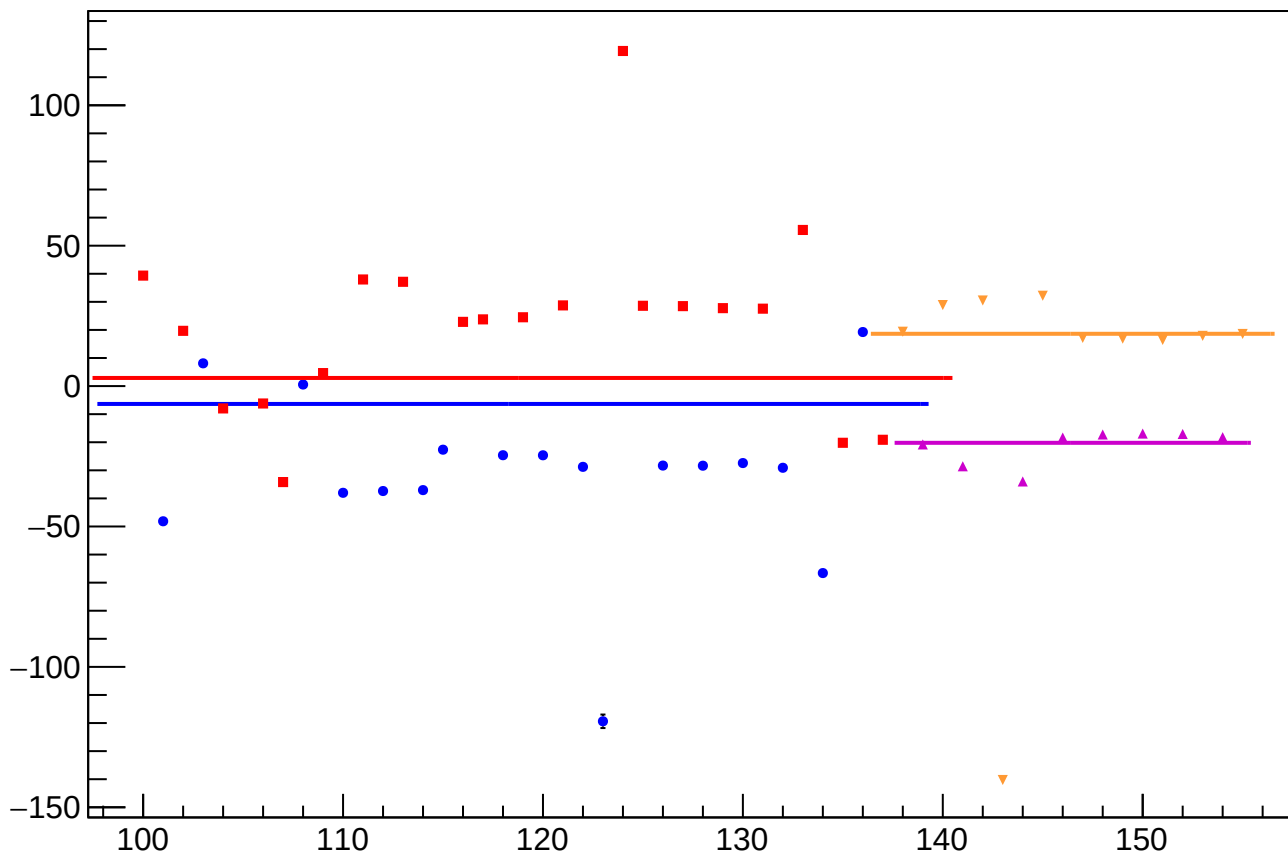
Left In: 12.095 ± 0.656 χ^2/NDF : 39.4/7

0.420 ± 0.522 χ^2/NDF : 2272.2/26

0.703 ± 0.370 χ^2/NDF : 4170.1/54

0.988 ± 0.524 χ^2/NDF : 1897.3/27

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.360 ± 0.046 $\chi^2/\text{NDF}: 264750.9/16$

Left Out: 18.623 ± 0.031 $\chi^2/\text{NDF}: 348553.9/9$

Right Out: 2.896 ± 0.046 $\chi^2/\text{NDF}: 266162.6/19$

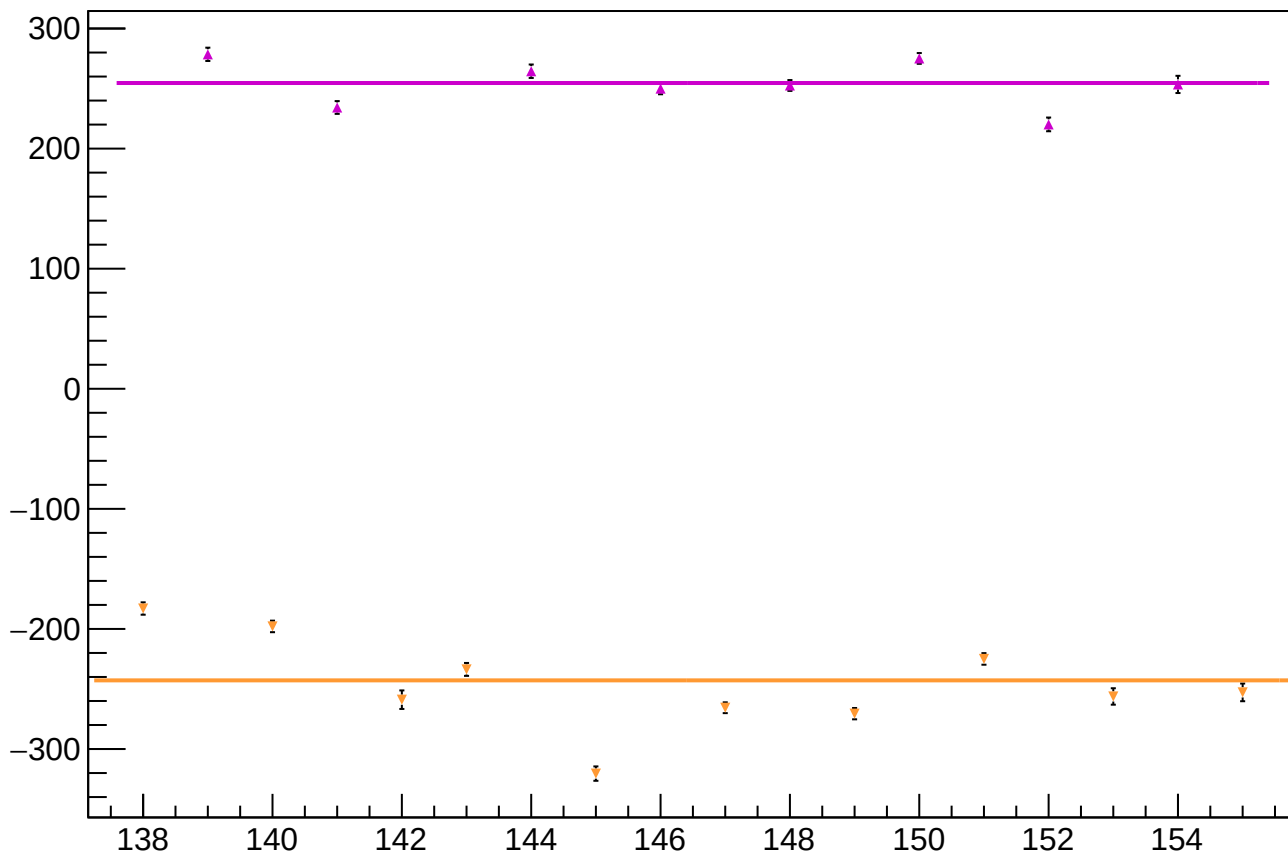
Left In: -20.204 ± 0.031 $\chi^2/\text{NDF}: 25748.6/7$

10.814 ± 0.026 $\chi^2/\text{NDF}: 813339.8/26$

-1.015 ± 0.018 $\chi^2/\text{NDF}: 1695877.0/54$

-12.807 ± 0.026 $\chi^2/\text{NDF}: 465737.5/27$

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: -242.829+/-1.723 χ^2/NDF : 476.6/9

-242.829+/-1.723 χ^2/NDF : 476.6/9

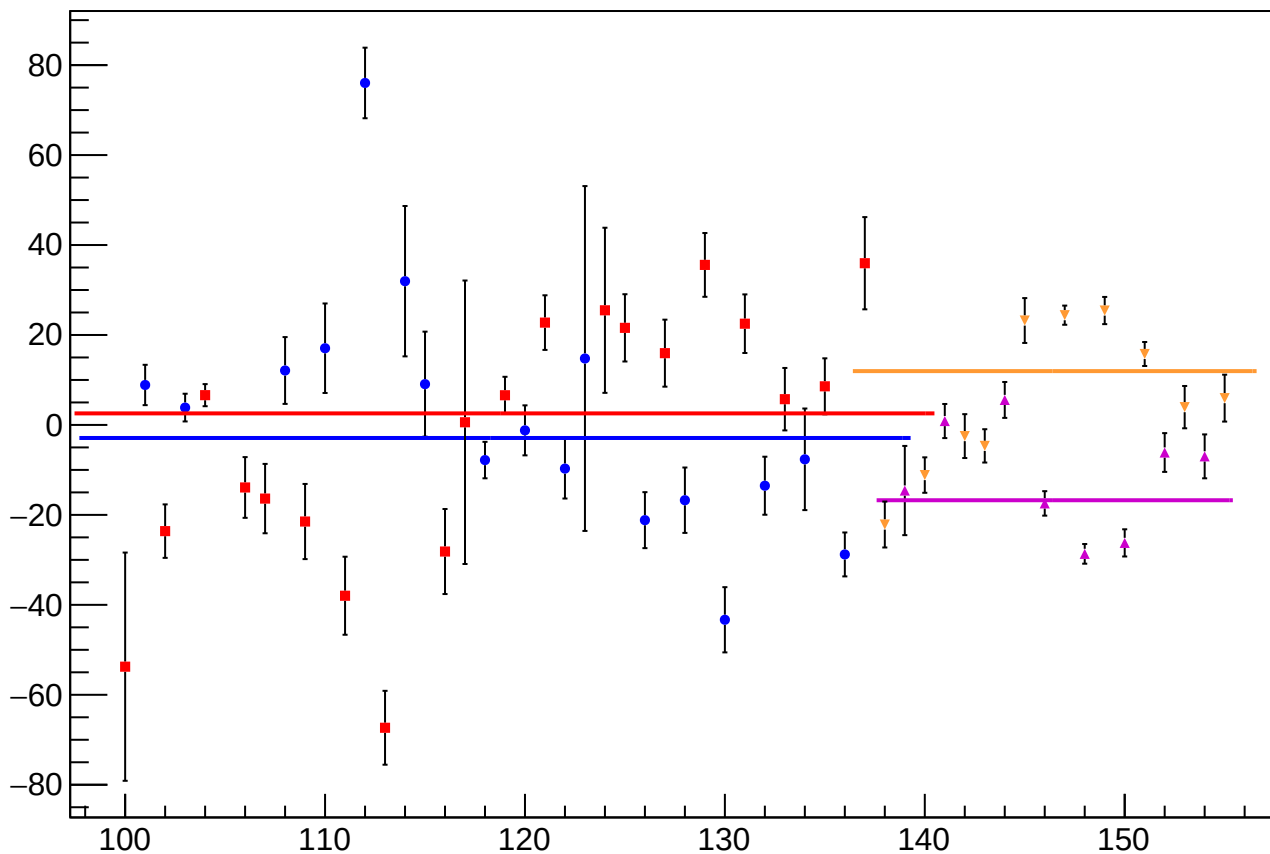
-11.243+/-1.259 χ^2/NDF : 39397.9/17

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

254.624+/-1.846 χ^2/NDF : 94.8/7

Left In: 254.624+/-1.846 χ^2/NDF : 94.8/7

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.901 ± 1.467 $\chi^2/\text{NDF}: 203.6/16$

Left Out: 11.966 ± 1.111 $\chi^2/\text{NDF}: 173.3/9$

Right Out: 2.566 ± 1.395 $\chi^2/\text{NDF}: 218.2/19$

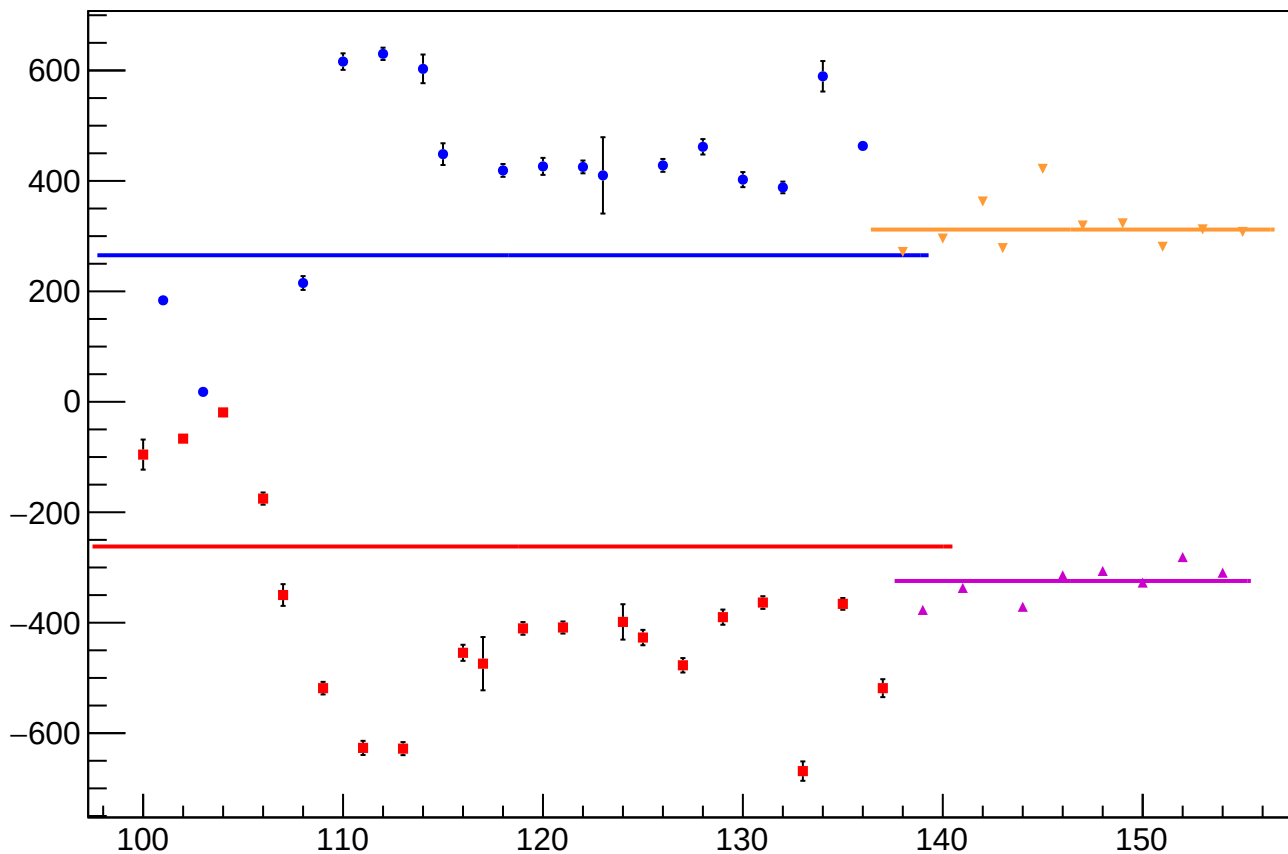
Left In: -16.744 ± 1.202 $\chi^2/\text{NDF}: 102.5/7$

6.547 ± 0.886 $\chi^2/\text{NDF}: 442.1/26$

-0.776 ± 0.635 $\chi^2/\text{NDF}: 1013.4/54$

-8.517 ± 0.911 $\chi^2/\text{NDF}: 430.7/27$

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 265.369 $\pm$ 2.488 χ^2/NDF : 7633.8/16

Left Out: 311.921 $\pm$ 1.711 χ^2/NDF : 495.9/9

Right Out: -262.016 $\pm$ 2.455 χ^2/NDF : 8223.7/19

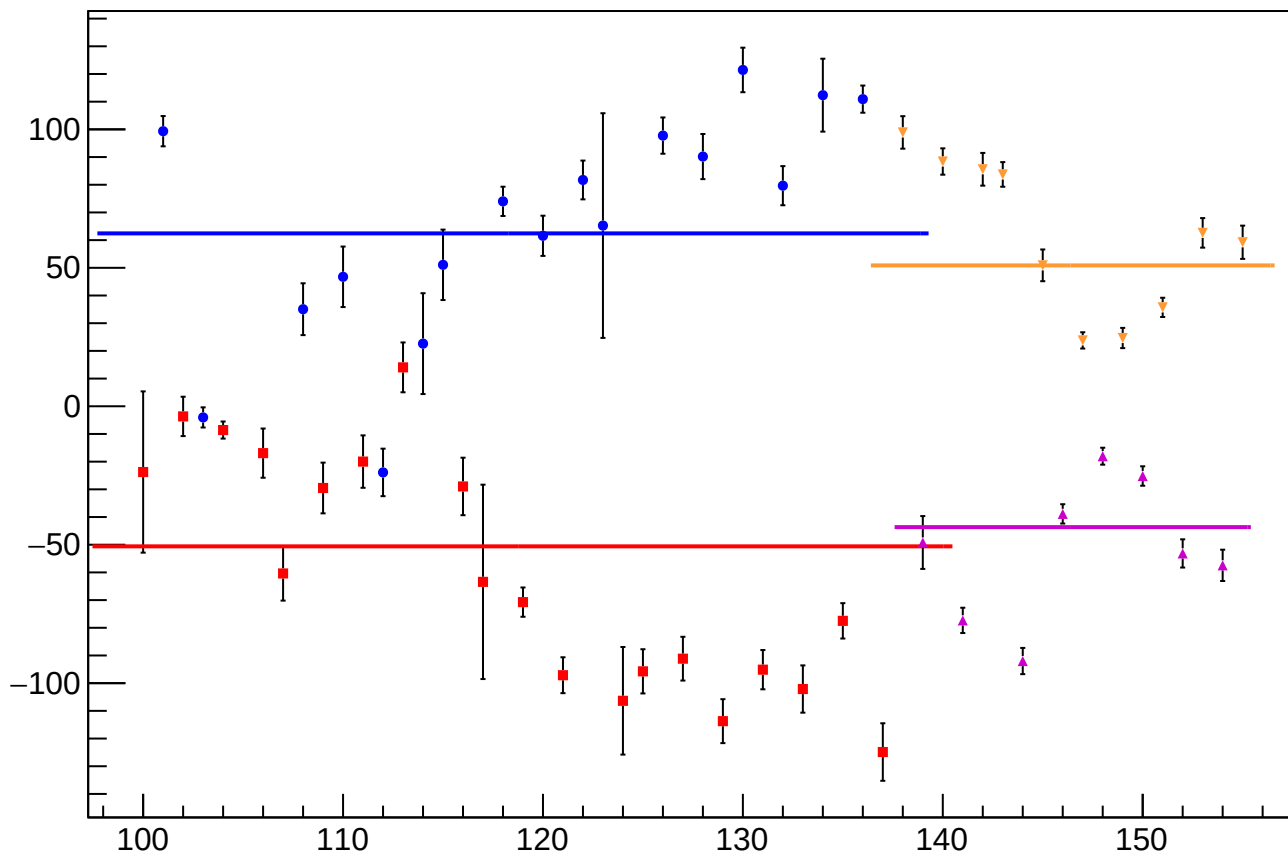
Left In: -324.428 $\pm$ 1.811 χ^2/NDF : 233.4/7

296.975 $\pm$ 1.410 χ^2/NDF : 8367.4/26

7.261 $\pm$ 1.013 χ^2/NDF : 104617.3/54

-302.423 $\pm$ 1.458 χ^2/NDF : 8875.6/27

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: 50.868+/-1.388 χ^2/NDF : 380.5/9

Right Out: -50.588+/-1.640 χ^2/NDF : 657.5/19

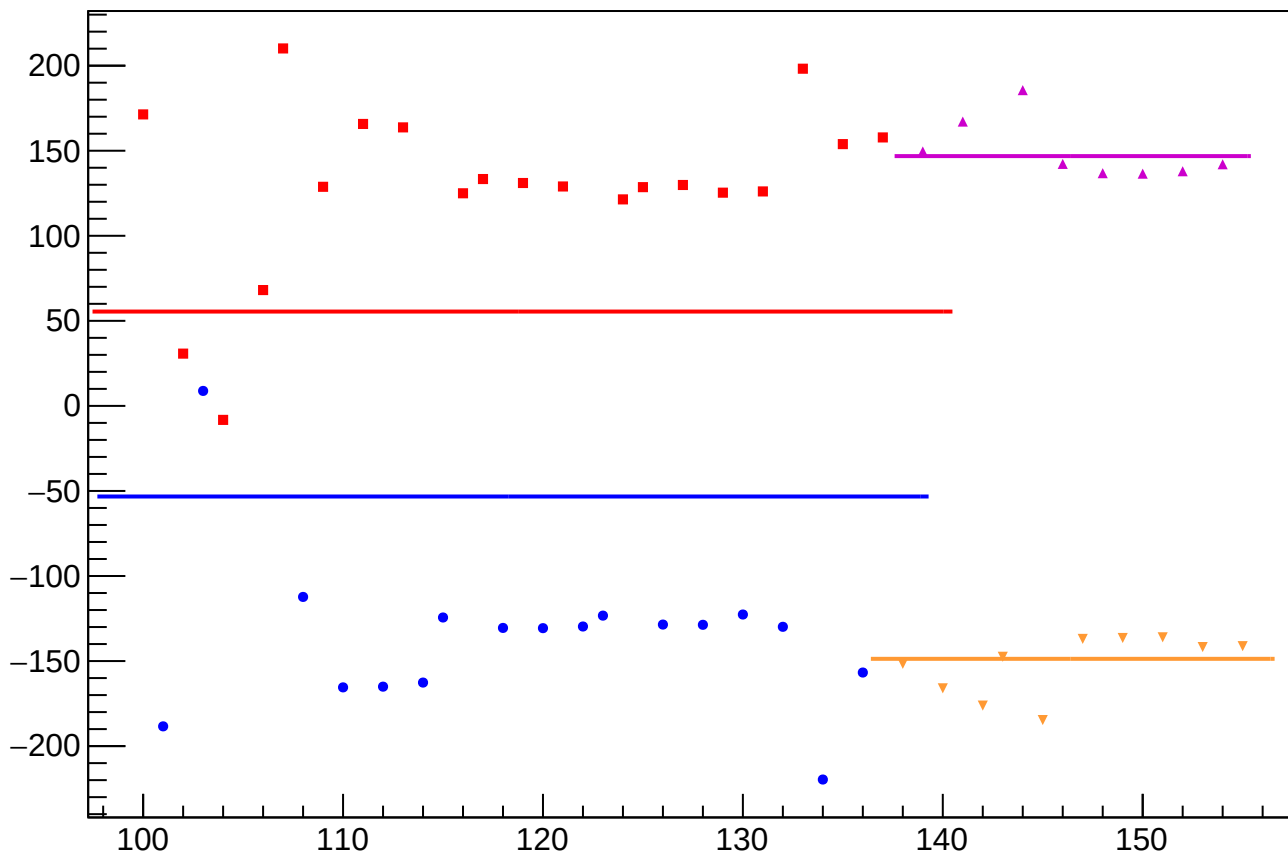
Left In: -43.645+/-1.501 χ^2/NDF : 268.1/7

55.513+/-1.073 χ^2/NDF : 1130.2/26

5.948+/-0.771 χ^2/NDF : 6467.5/54

-46.811+/-1.107 χ^2/NDF : 935.4/27

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -53.264 $\pm$ 0.070 χ^2 /NDF: 1225492.9/16

Left Out: -148.688 $\pm$ 0.071 χ^2 /NDF: 47538.1/9

Right Out: 55.455 $\pm$ 0.072 χ^2 /NDF: 968274.5/19

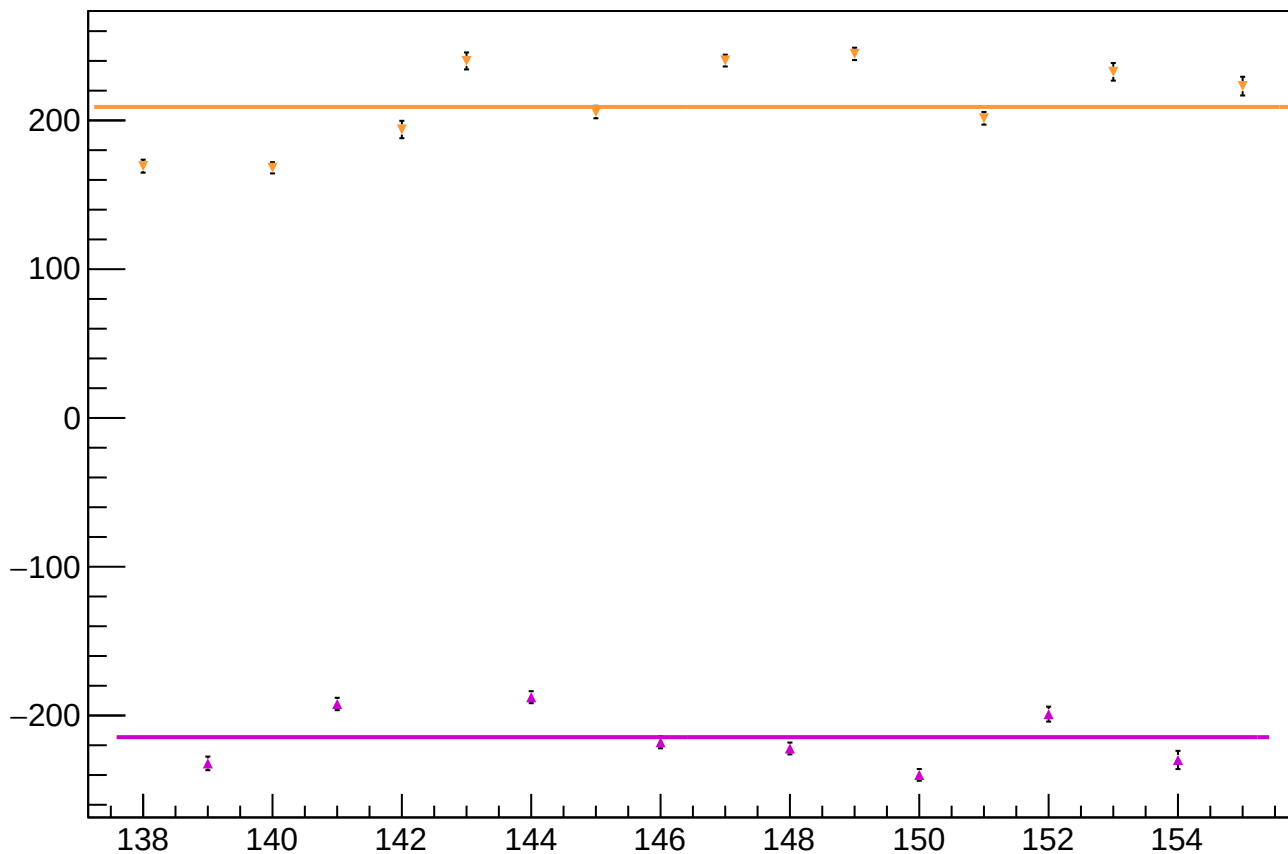
Left In: 146.842 $\pm$ 0.074 χ^2 /NDF: 38827.2/7

-100.667 $\pm$ 0.050 χ^2 /NDF: 2185411.8/26

-4.089 $\pm$ 0.036 χ^2 /NDF: 11721114.3/54

99.535 $\pm$ 0.052 χ^2 /NDF: 1786060.4/27

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: 209.056 ± 1.462 χ^2/NDF : 395.2/9

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

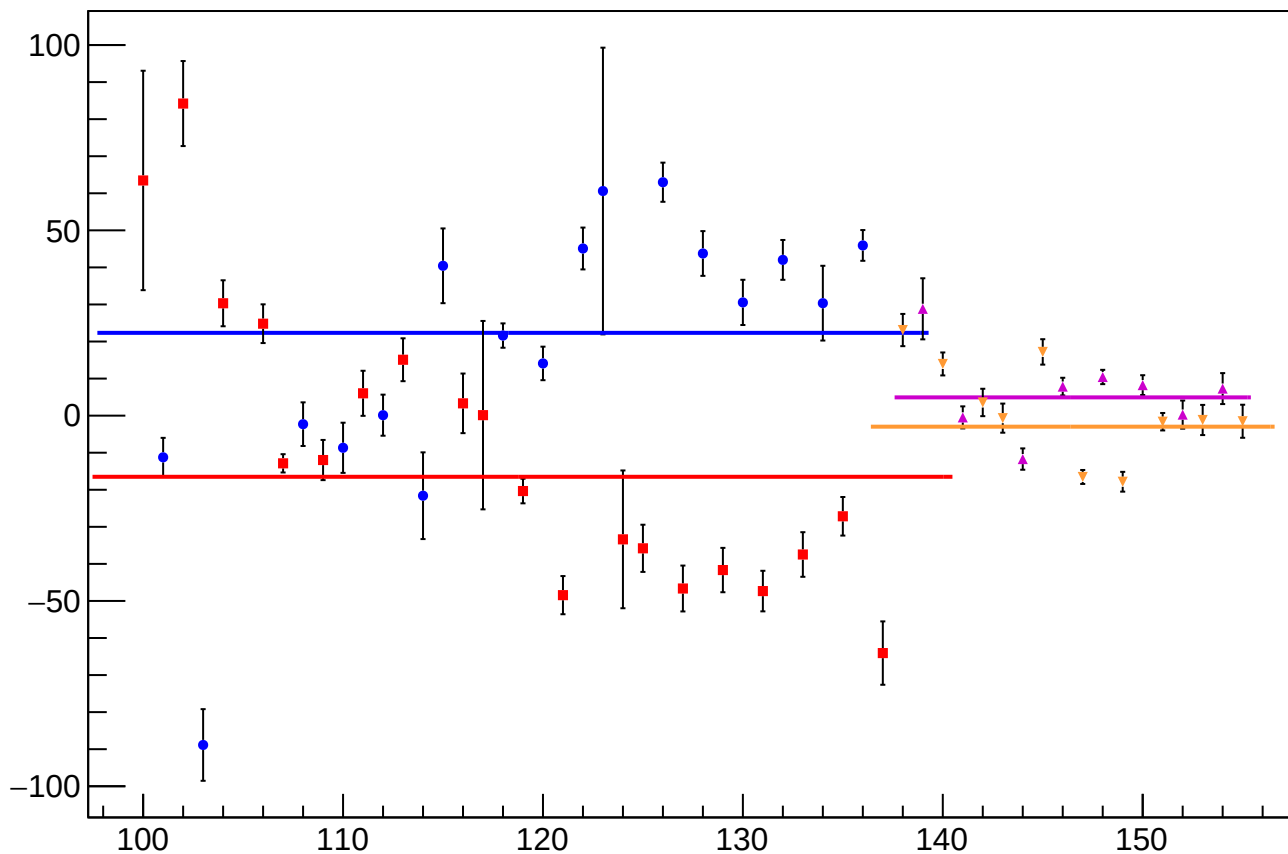
Left In: -214.559 ± 1.544 χ^2/NDF : 148.9/7

209.056 ± 1.462 χ^2/NDF : 395.2/9

8.865 ± 1.061 χ^2/NDF : 40243.4/17

-214.559 ± 1.544 χ^2/NDF : 148.9/7

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.342+/-1.395 χ^2/NDF : 385.8/16

Left Out: -2.975+/-0.957 χ^2/NDF : 187.3/9

Right Out: -16.498+/-1.226 χ^2/NDF : 427.0/19

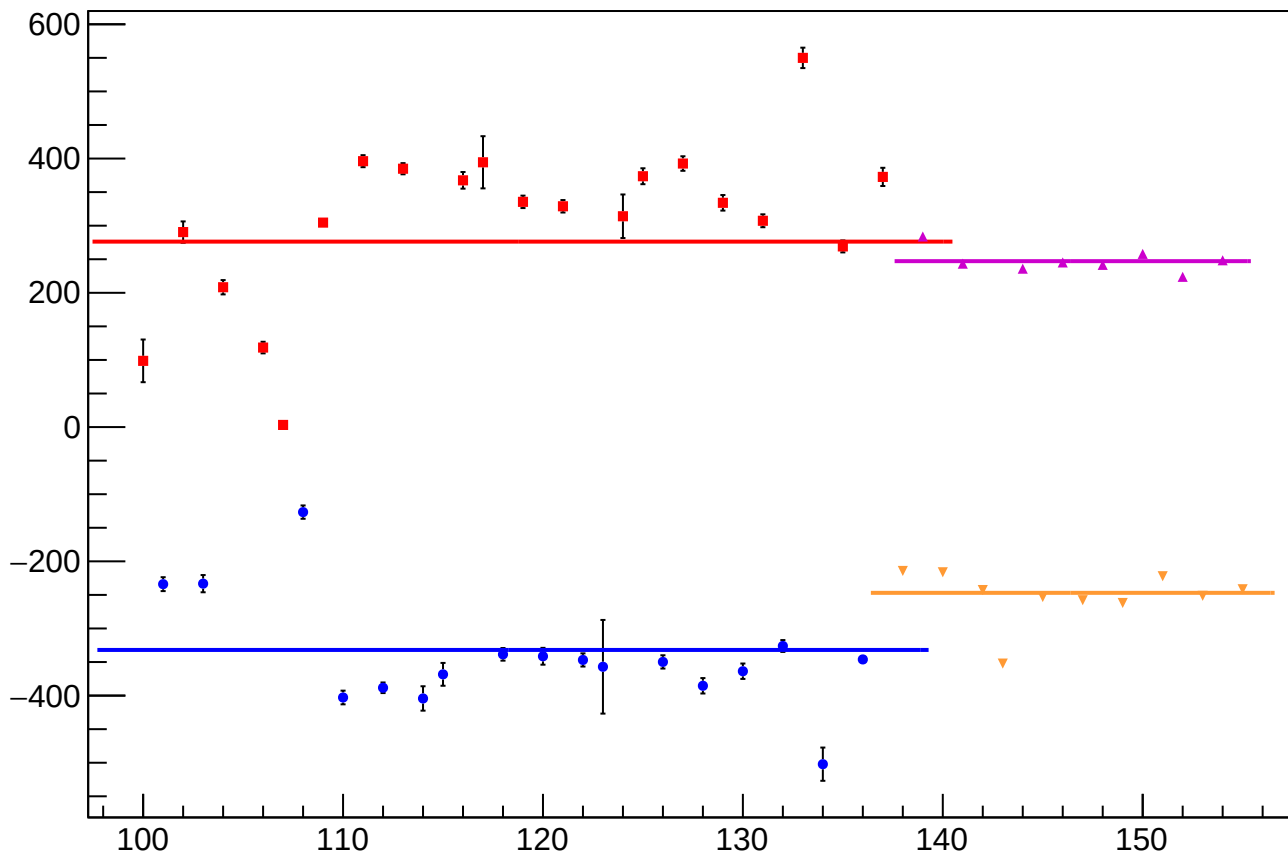
Left In: 4.928+/-1.020 χ^2/NDF : 58.1/7

5.121+/-0.789 χ^2/NDF : 797.1/26

0.613+/-0.556 χ^2/NDF : 1527.6/54

-3.841+/-0.784 χ^2/NDF : 665.6/27

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -331.989+/-2.580 χ^2/NDF : 785.0/16

Left Out: -246.919+/-1.459 χ^2/NDF : 468.5/9

Right Out: 276.265+/-2.320 χ^2/NDF : 3371.5/19

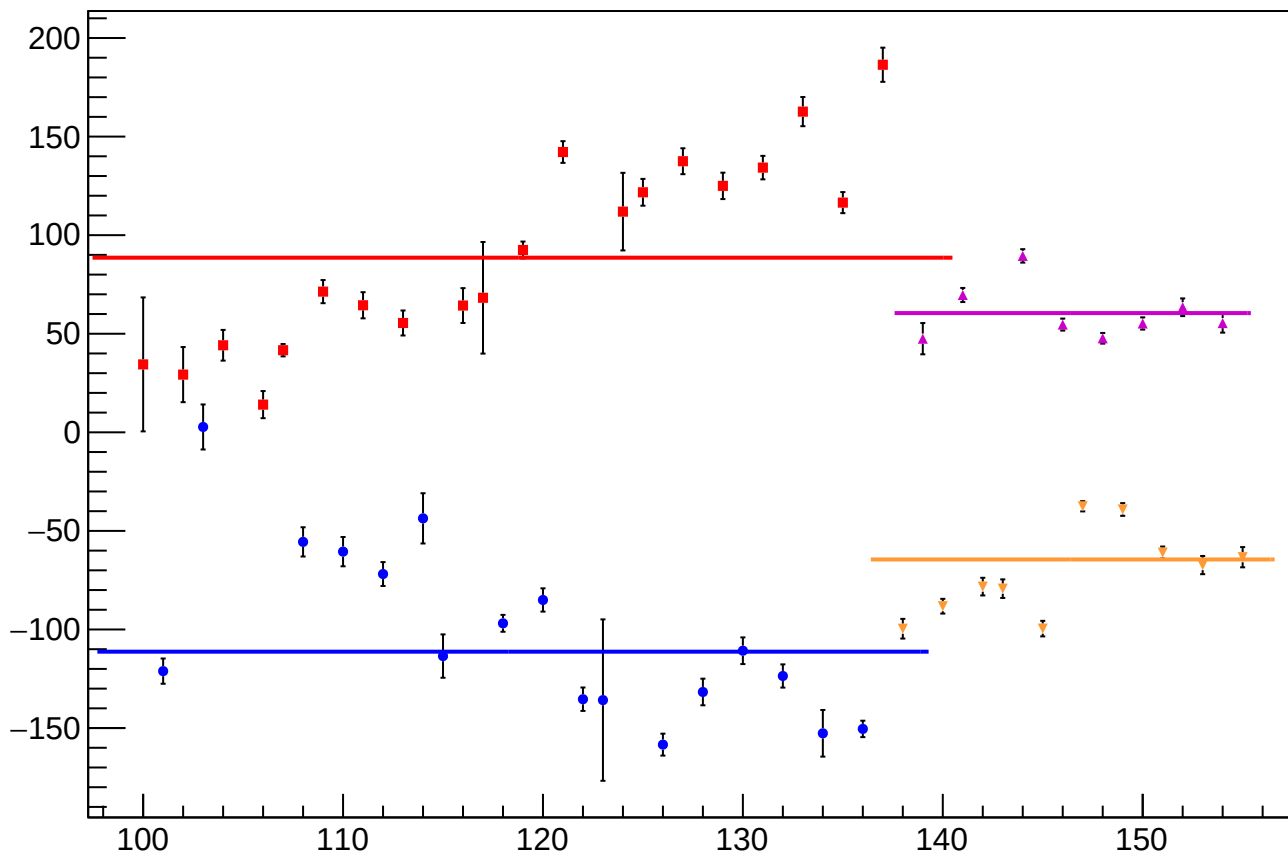
Left In: 247.156+/-1.526 χ^2/NDF : 96.3/7

-267.524+/-1.270 χ^2/NDF : 2077.2/26

-6.871+/-0.900 χ^2/NDF : 90268.9/54

255.946+/-1.275 χ^2/NDF : 3577.7/27

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: -64.483 ± 1.190 χ^2/NDF : 359.2/9

Right Out: 88.581 ± 1.431 χ^2/NDF : 971.5/19

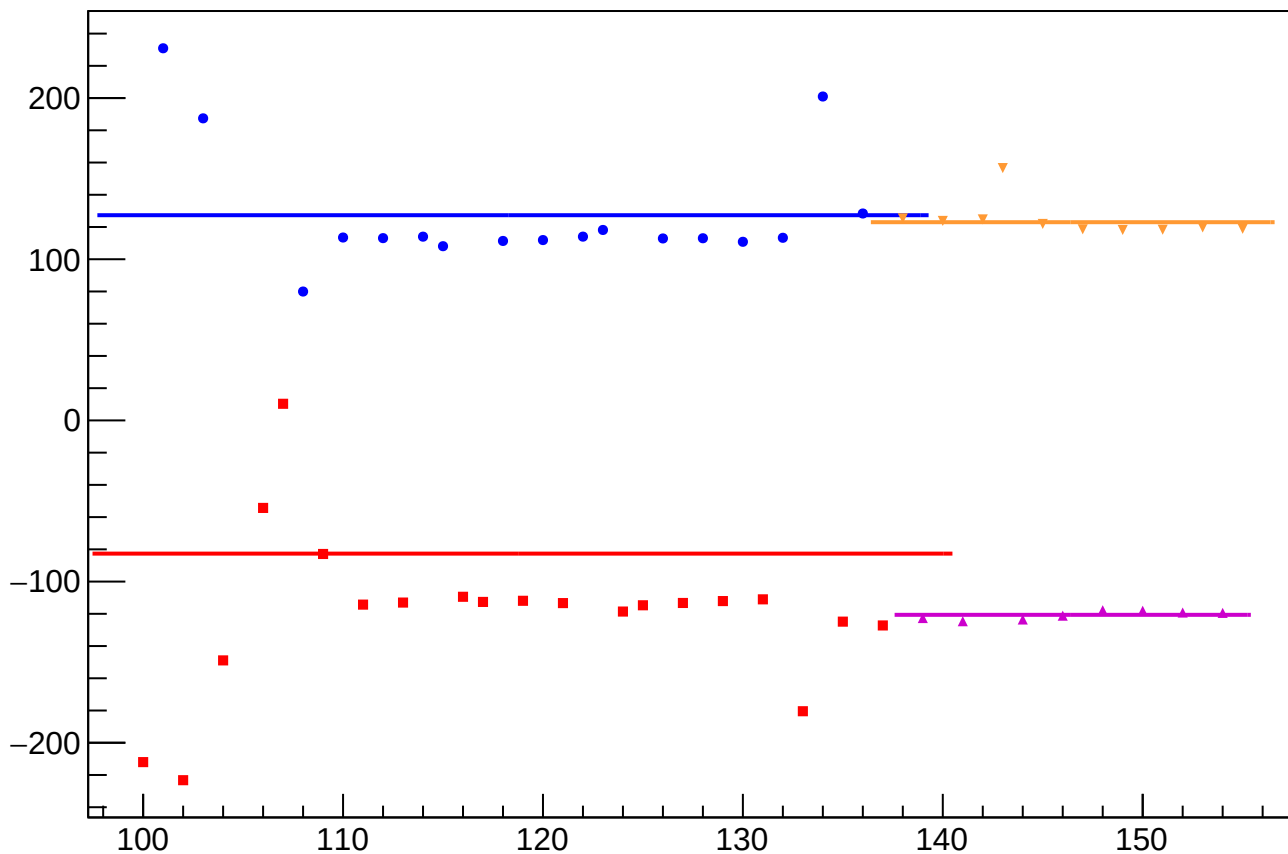
Left In: 60.485 ± 1.268 χ^2/NDF : 112.1/7

-81.183 ± 0.954 χ^2/NDF : 1420.2/26

-3.753 ± 0.673 χ^2/NDF : 15814.1/54

72.843 ± 0.949 χ^2/NDF : 1299.4/27

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: 122.983+/-0.060 χ^2/NDF : 21903.3/9

Right Out: -82.649+/-0.075 χ^2/NDF : 765307.1/19

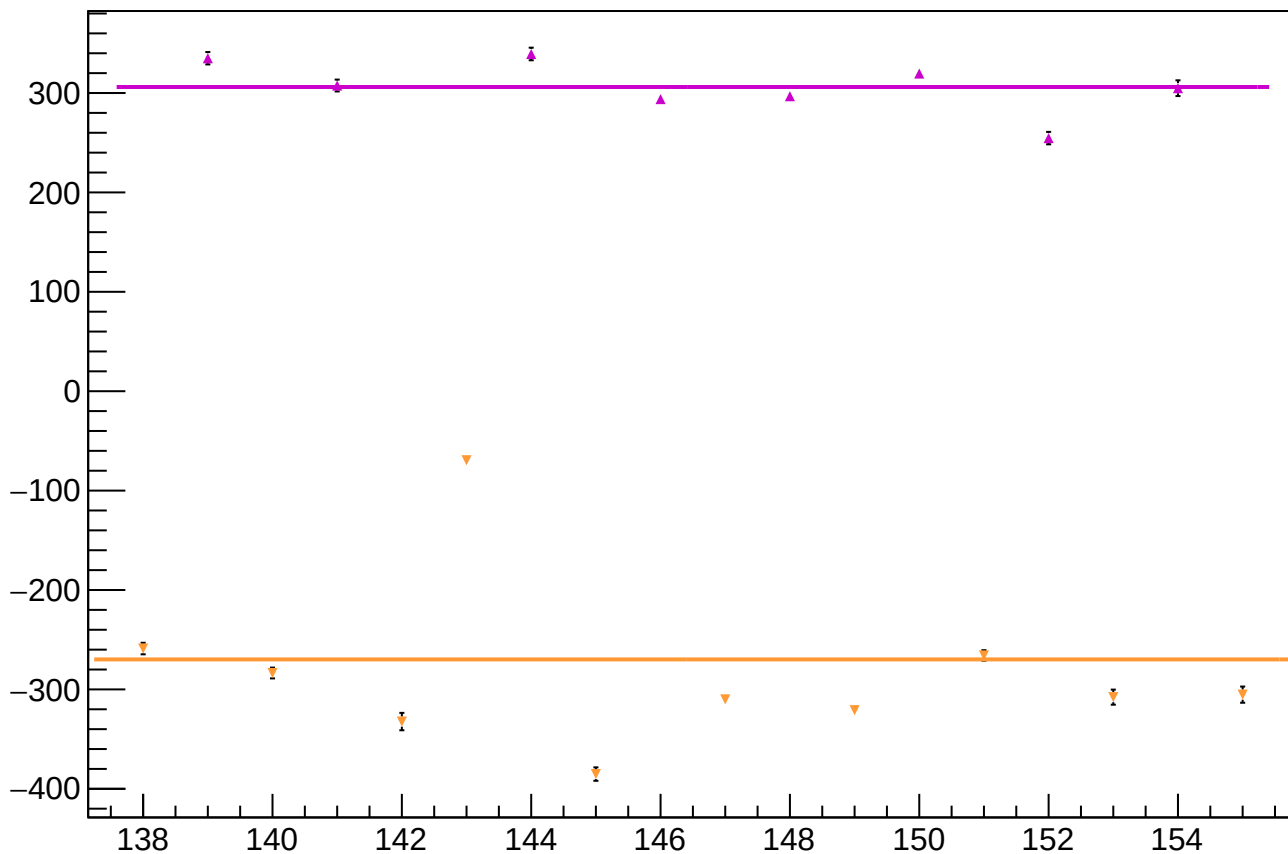
Left In: -120.633+/-0.063 χ^2/NDF : 1540.0/7

124.338+/-0.050 χ^2/NDF : 211299.0/26

5.496+/-0.035 χ^2/NDF : 12042974.9/54

-105.068+/-0.048 χ^2/NDF : 917009.0/27

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: -269.829+/-1.856 χ^2/NDF : 2224.4/9

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

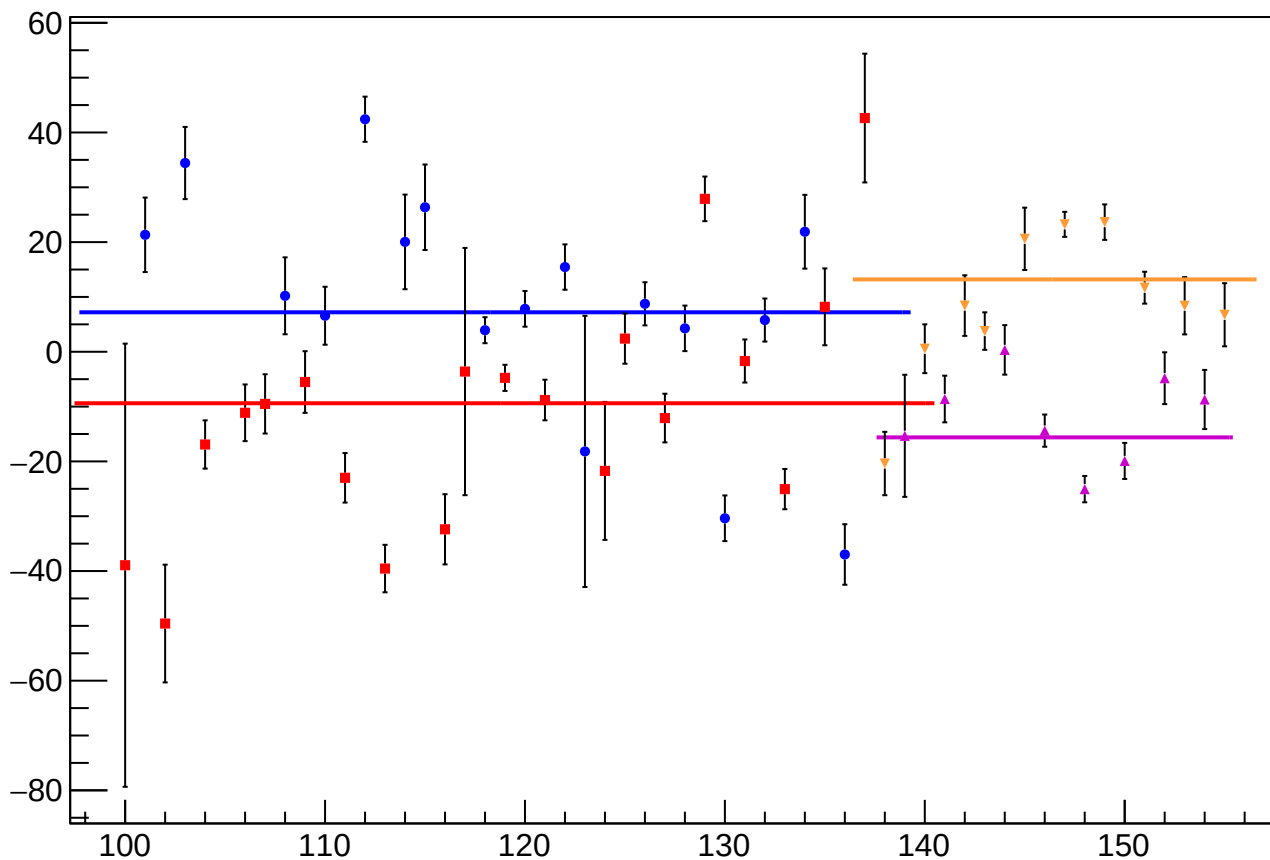
Left In: 306.053+/-2.034 χ^2/NDF : 133.5/7

-269.829+/-1.856 χ^2/NDF : 2224.4/9

-8.076+/-1.371 χ^2/NDF : 46104.0/17

306.053+/-2.034 χ^2/NDF : 133.5/7

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.199 ± 1.103 $\chi^2/\text{NDF}: 260.9/16$

Left Out: 13.197 ± 1.194 $\chi^2/\text{NDF}: 84.0/9$

Right Out: -9.390 ± 1.070 $\chi^2/\text{NDF}: 232.2/19$

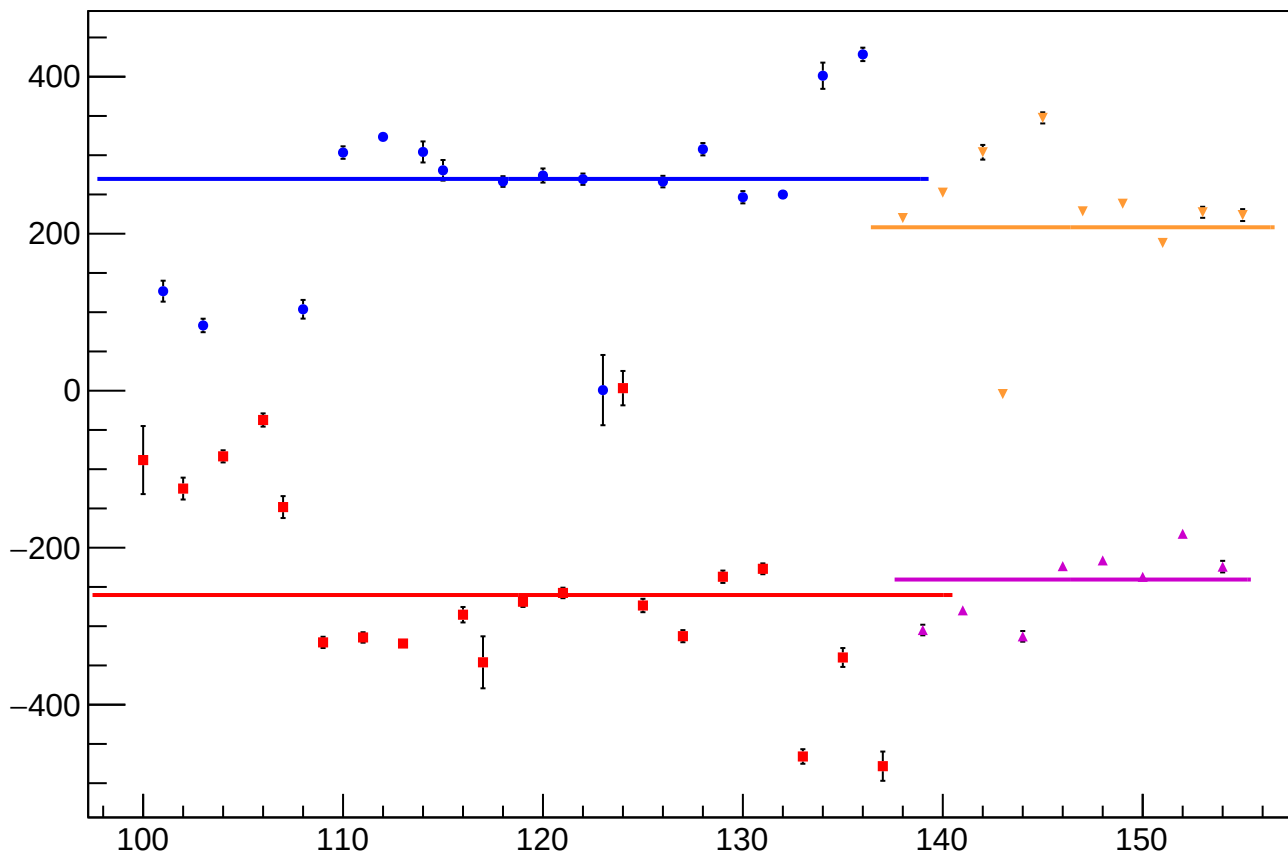
Left In: -15.617 ± 1.321 $\chi^2/\text{NDF}: 39.4/7$

9.962 ± 0.810 $\chi^2/\text{NDF}: 358.5/26$

-0.666 ± 0.580 $\chi^2/\text{NDF}: 996.9/54$

-11.857 ± 0.831 $\chi^2/\text{NDF}: 285.0/27$

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 269.806 ± 2.089 $\chi^2/\text{NDF}: 1374.1/16$

Left Out: 208.196 ± 1.845 $\chi^2/\text{NDF}: 2275.2/9$

Right Out: -260.286 ± 1.973 $\chi^2/\text{NDF}: 2545.4/19$

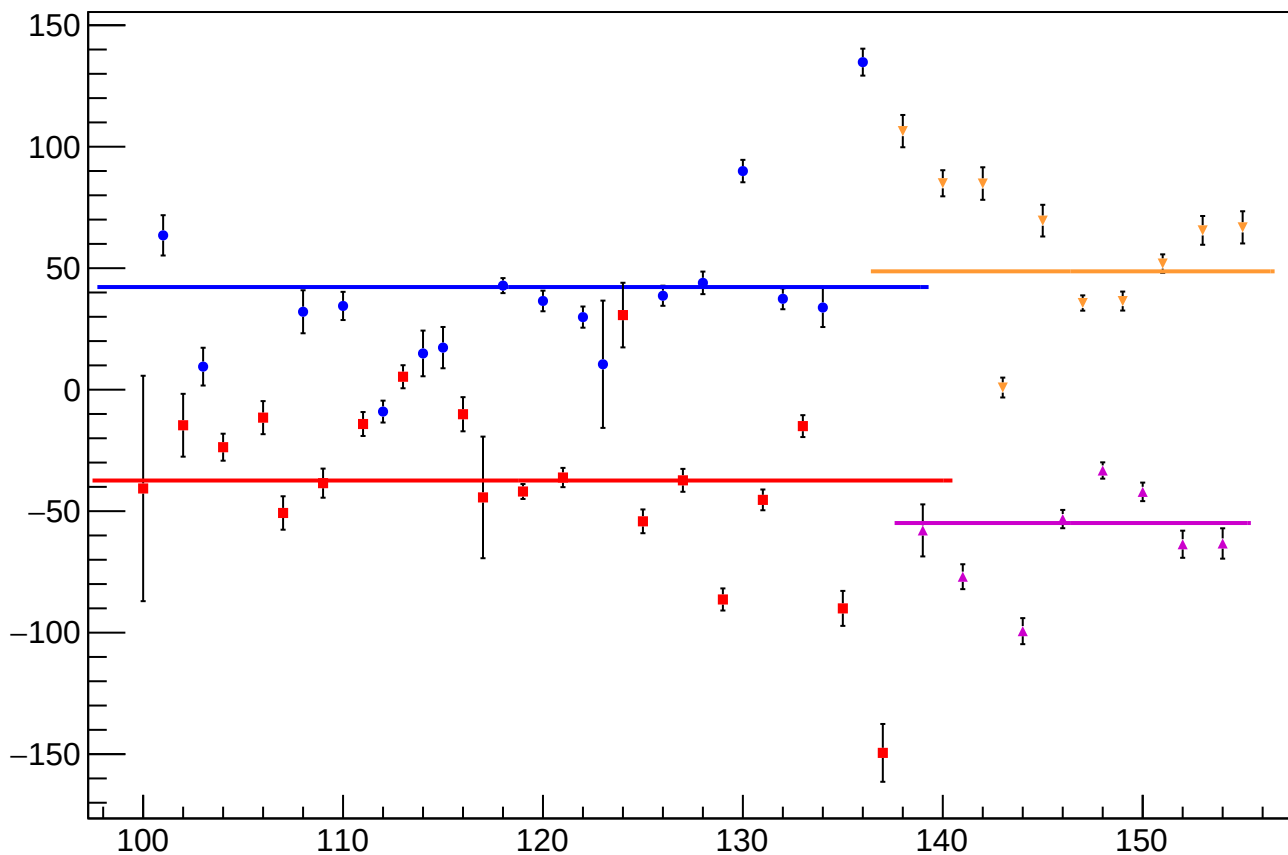
Left In: -240.573 ± 1.993 $\chi^2/\text{NDF}: 382.7/7$

235.191 ± 1.383 $\chi^2/\text{NDF}: 4138.0/26$

-4.297 ± 0.985 $\chi^2/\text{NDF}: 67945.0/54$

-250.526 ± 1.402 $\chi^2/\text{NDF}: 2977.4/27$

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: 48.707 ± 1.491 $\chi^2/\text{NDF}: 340.2/9$

Right Out: -37.384 ± 1.233 $\chi^2/\text{NDF}: 472.4/19$

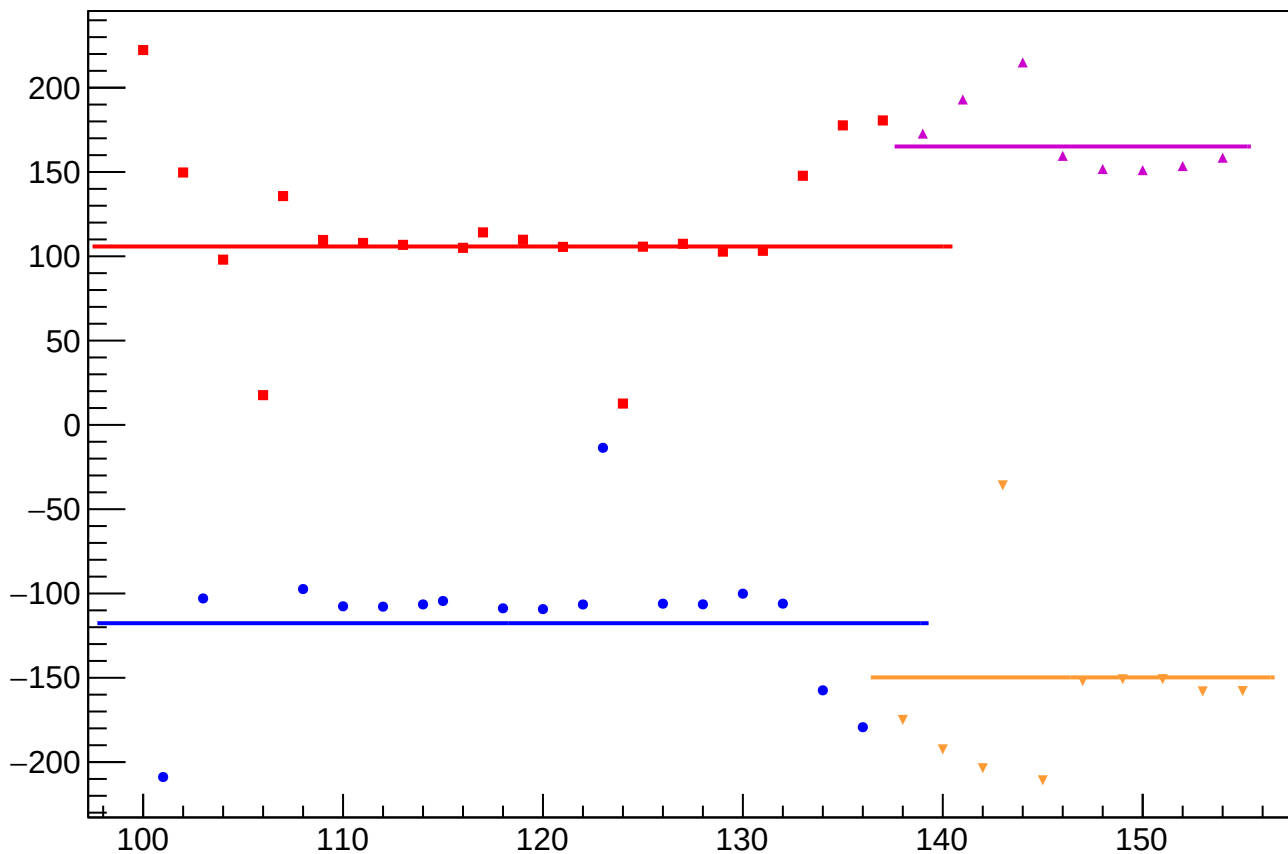
Left In: -54.880 ± 1.650 $\chi^2/\text{NDF}: 144.8/7$

44.970 ± 0.968 $\chi^2/\text{NDF}: 925.5/26$

1.536 ± 0.691 $\chi^2/\text{NDF}: 5720.2/54$

-43.653 ± 0.988 $\chi^2/\text{NDF}: 689.4/27$

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: -149.770+/-0.076 χ^2/NDF : 401951.0/9

Right Out: 105.826+/-0.073 χ^2/NDF : 323138.4/19

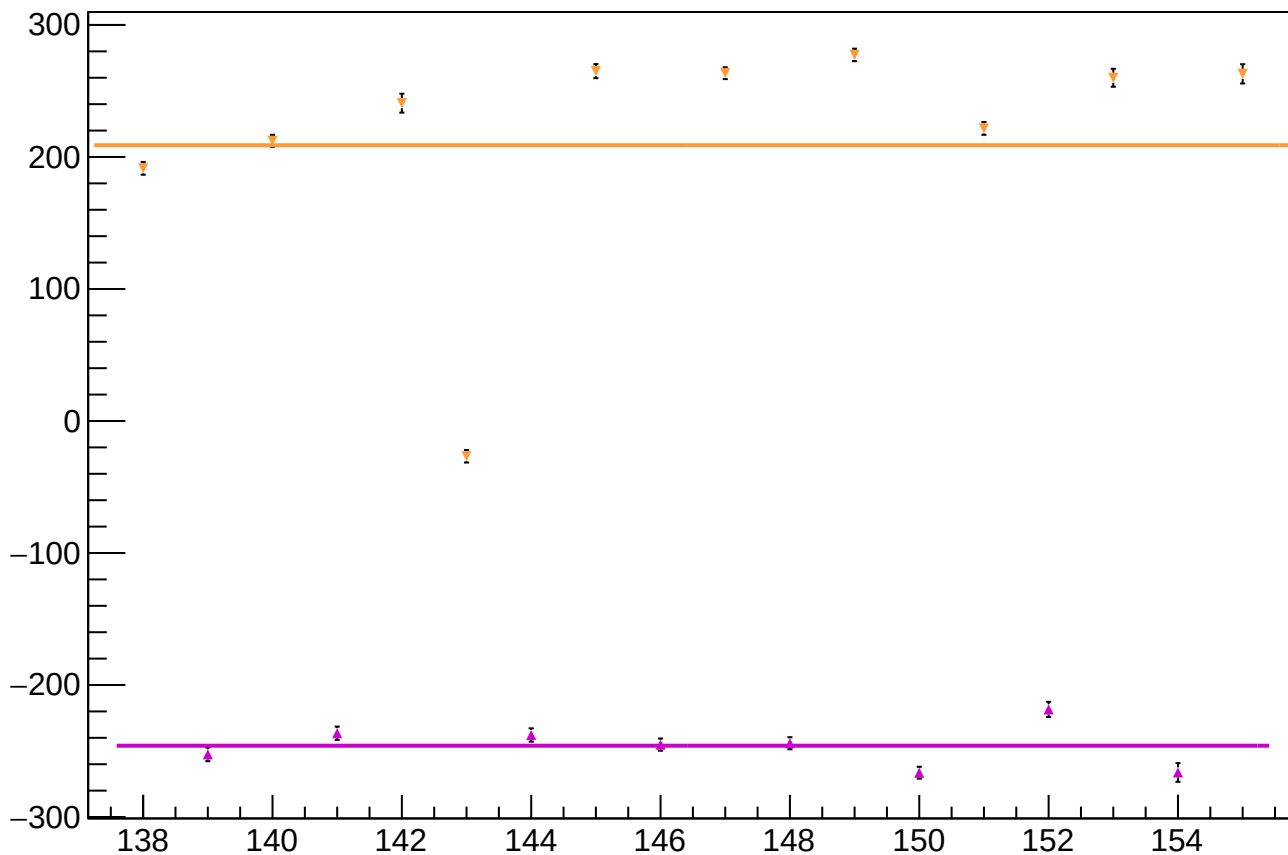
Left In: 165.132+/-0.082 χ^2/NDF : 54334.0/7

-134.133+/-0.055 χ^2/NDF : 629877.3/26

-0.299+/-0.039 χ^2/NDF : 13169612.2/54

131.909+/-0.054 χ^2/NDF : 669903.7/27

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: 208.873 ± 1.653 χ^2/NDF : 3073.9/9

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

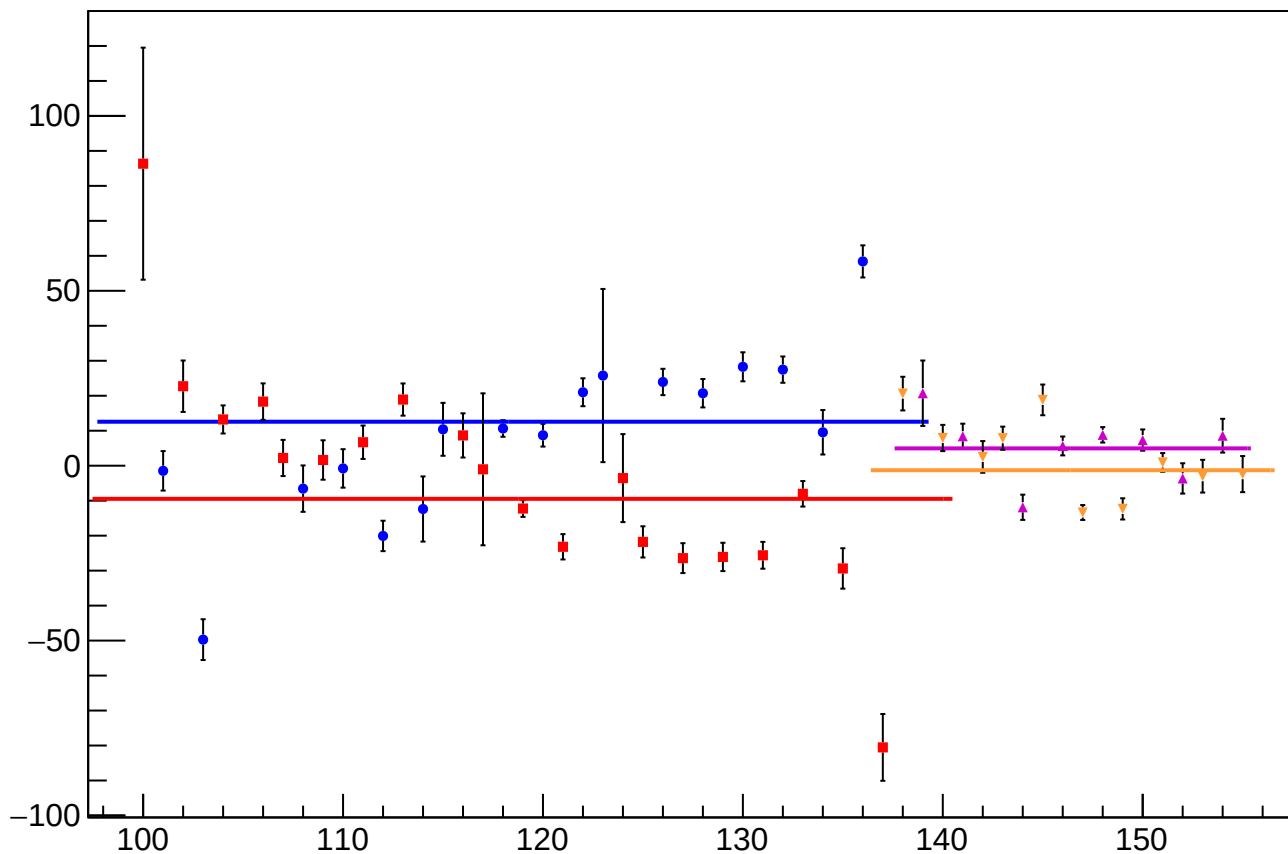
Left In: -245.967 ± 1.798 χ^2/NDF : 59.4/7

208.873 ± 1.653 χ^2/NDF : 3073.9/9

0.611 ± 1.217 χ^2/NDF : 37820.5/17

-245.967 ± 1.798 χ^2/NDF : 59.4/7

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.574 ± 1.074 $\chi^2/\text{NDF}: 348.0/16$

Left Out: -1.295 ± 1.079 $\chi^2/\text{NDF}: 102.5/9$

Right Out: -9.474 ± 1.046 $\chi^2/\text{NDF}: 296.0/19$

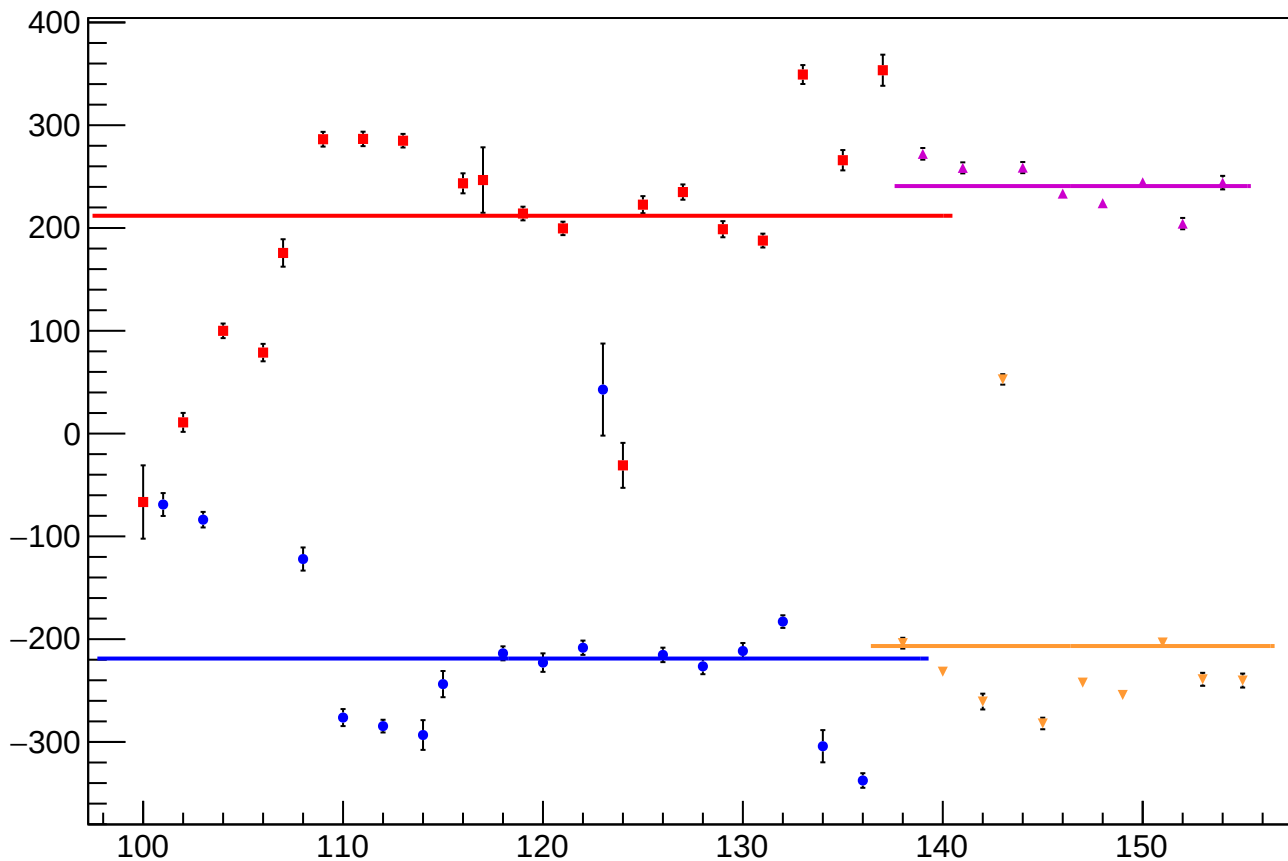
Left In: 4.950 ± 1.185 $\chi^2/\text{NDF}: 33.8/7$

5.675 ± 0.761 $\chi^2/\text{NDF}: 533.4/26$

1.390 ± 0.546 $\chi^2/\text{NDF}: 1011.7/54$

-3.155 ± 0.784 $\chi^2/\text{NDF}: 413.0/27$

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: -206.678+/-1.651 χ^2/NDF : 3105.6/9

Right Out: 211.907+/-1.920 χ^2/NDF : 1886.4/19

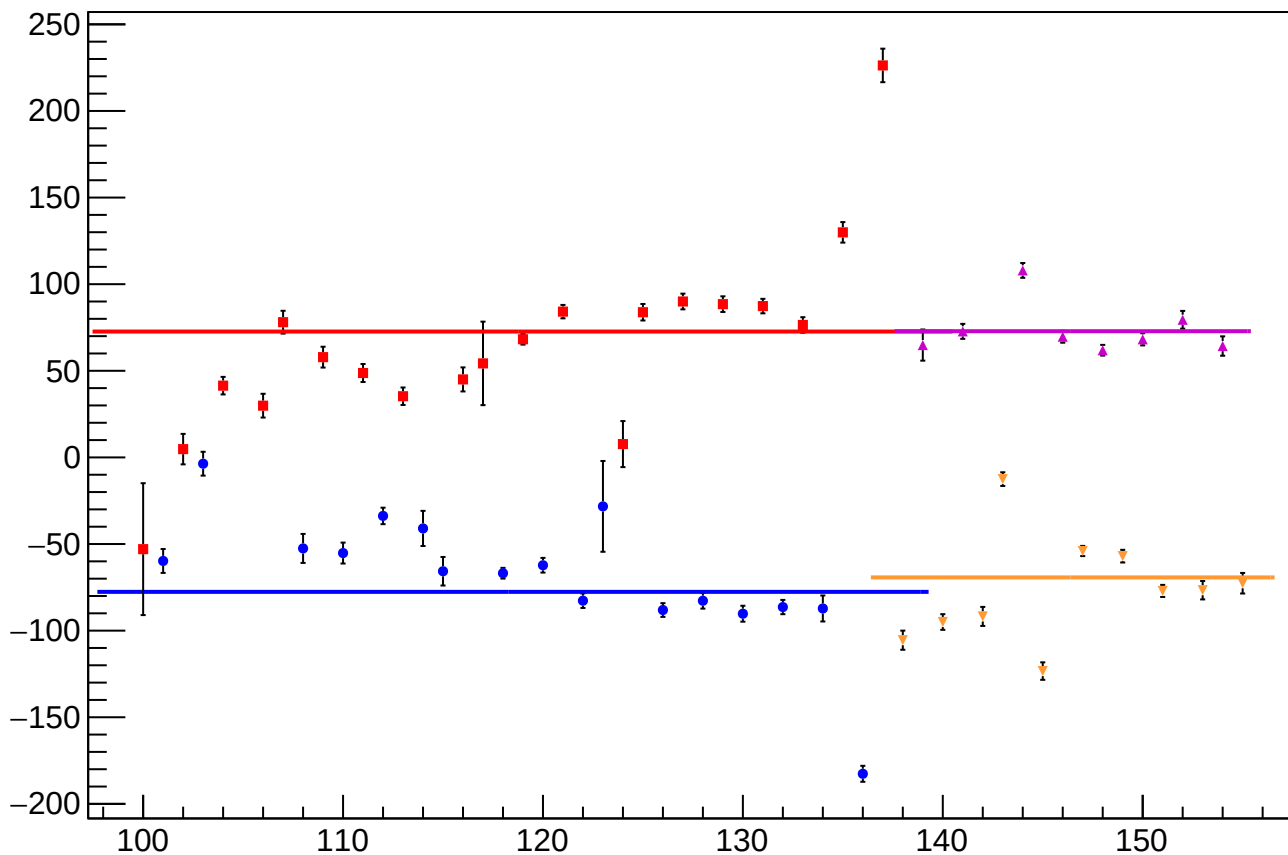
Left In: 240.799+/-1.772 χ^2/NDF : 115.5/7

-211.547+/-1.279 χ^2/NDF : 4273.9/26

3.989+/-0.913 χ^2/NDF : 64254.1/54

227.509+/-1.302 χ^2/NDF : 2124.1/27

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: -69.275 ± 1.343 χ^2/NDF : 458.5/9

Right Out: 72.664 ± 1.205 χ^2/NDF : 672.0/19

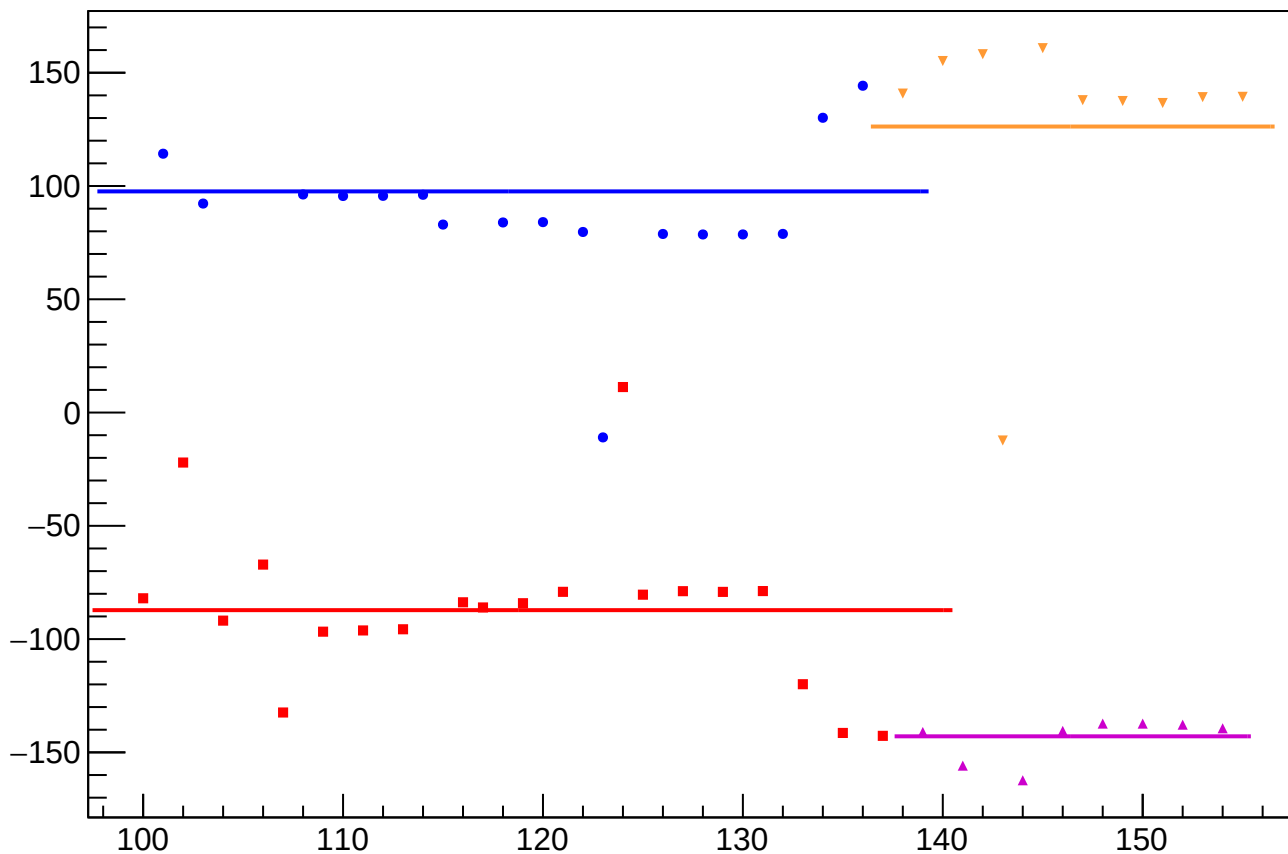
Left In: 72.858 ± 1.475 χ^2/NDF : 87.4/7

-73.787 ± 0.910 χ^2/NDF : 1295.3/26

-2.382 ± 0.651 χ^2/NDF : 14699.3/54

72.742 ± 0.933 χ^2/NDF : 759.4/27

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: 126.249+/-0.068 χ^2/NDF : 539936.7/9

Right Out: -87.224+/-0.068 χ^2/NDF : 220851.2/19

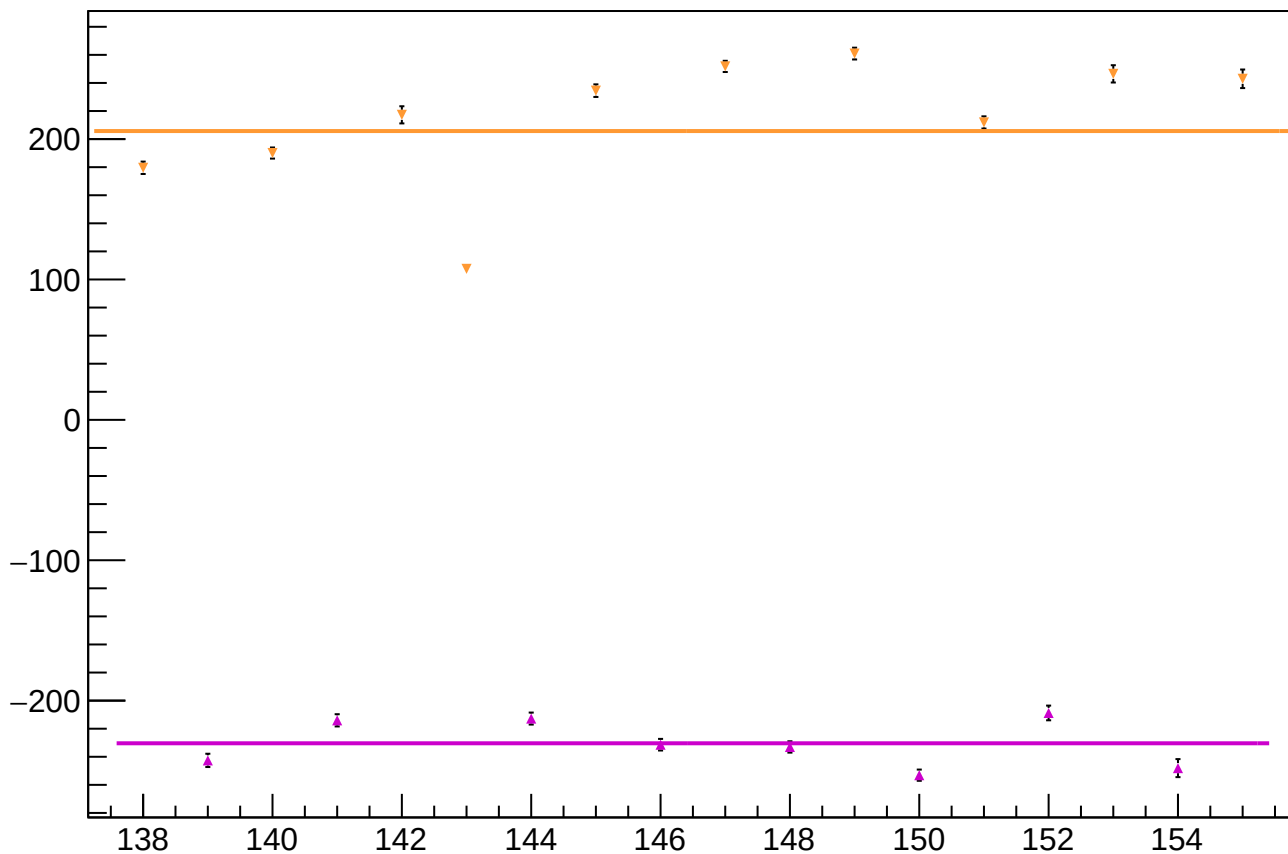
Left In: -142.918+/-0.073 χ^2/NDF : 13231.2/7

113.051+/-0.050 χ^2/NDF : 715288.9/26

-0.733+/-0.035 χ^2/NDF : 11541318.1/54

-113.253+/-0.050 χ^2/NDF : 545814.7/27

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: 205.725+/-1.428 χ^2/NDF :1227.1/9

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

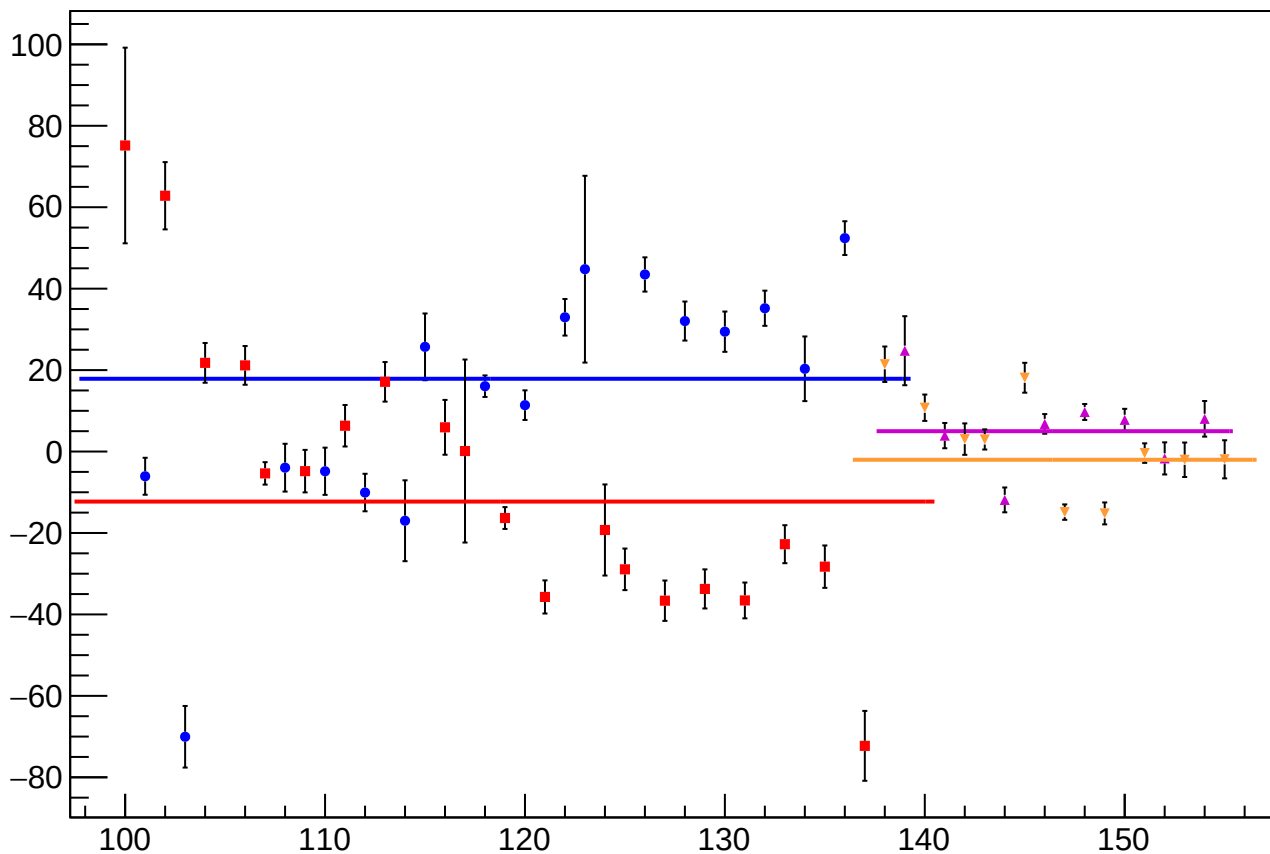
Left In: -230.387+/-1.591 χ^2/NDF :95.0/7

205.725+/-1.428 χ^2/NDF : 1227.1/9

11.193+/-1.063 χ^2/NDF : 42925.4/17

-230.387+/-1.591 χ^2/NDF : 95.0/7

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: -2.020+/-0.935 χ^2/NDF : 151.0/9

Right Out: -12.288+/-1.082 χ^2/NDF : 444.4/19

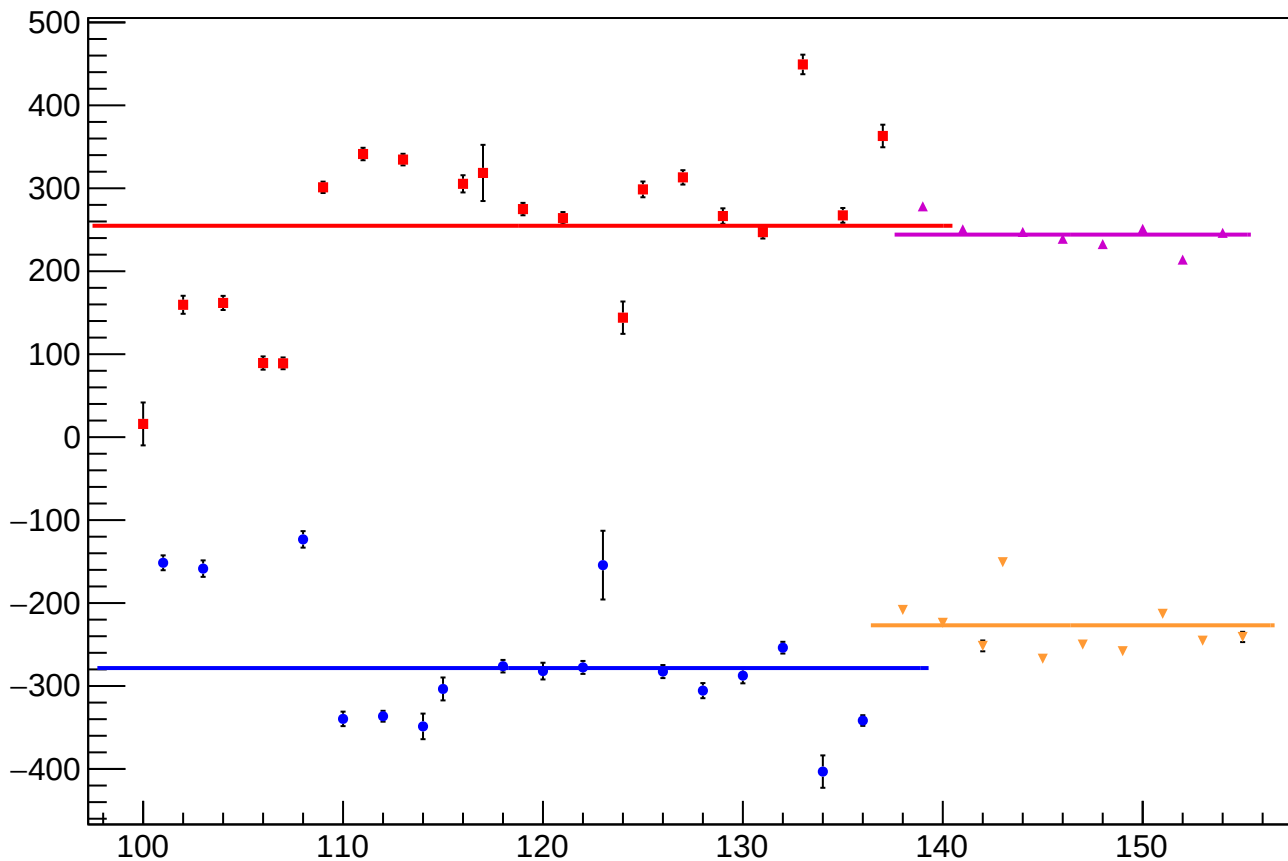
Left In: 4.998+/-1.047 χ^2/NDF : 46.9/7

5.763+/-0.729 χ^2/NDF : 723.6/26

1.344+/-0.524 χ^2/NDF : 1422.5/54

-3.363+/-0.753 χ^2/NDF : 623.1/27

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: -226.834+/-1.433 χ^2/NDF : 625.2/9

Right Out: 254.830+/-2.016 χ^2/NDF : 2041.0/19

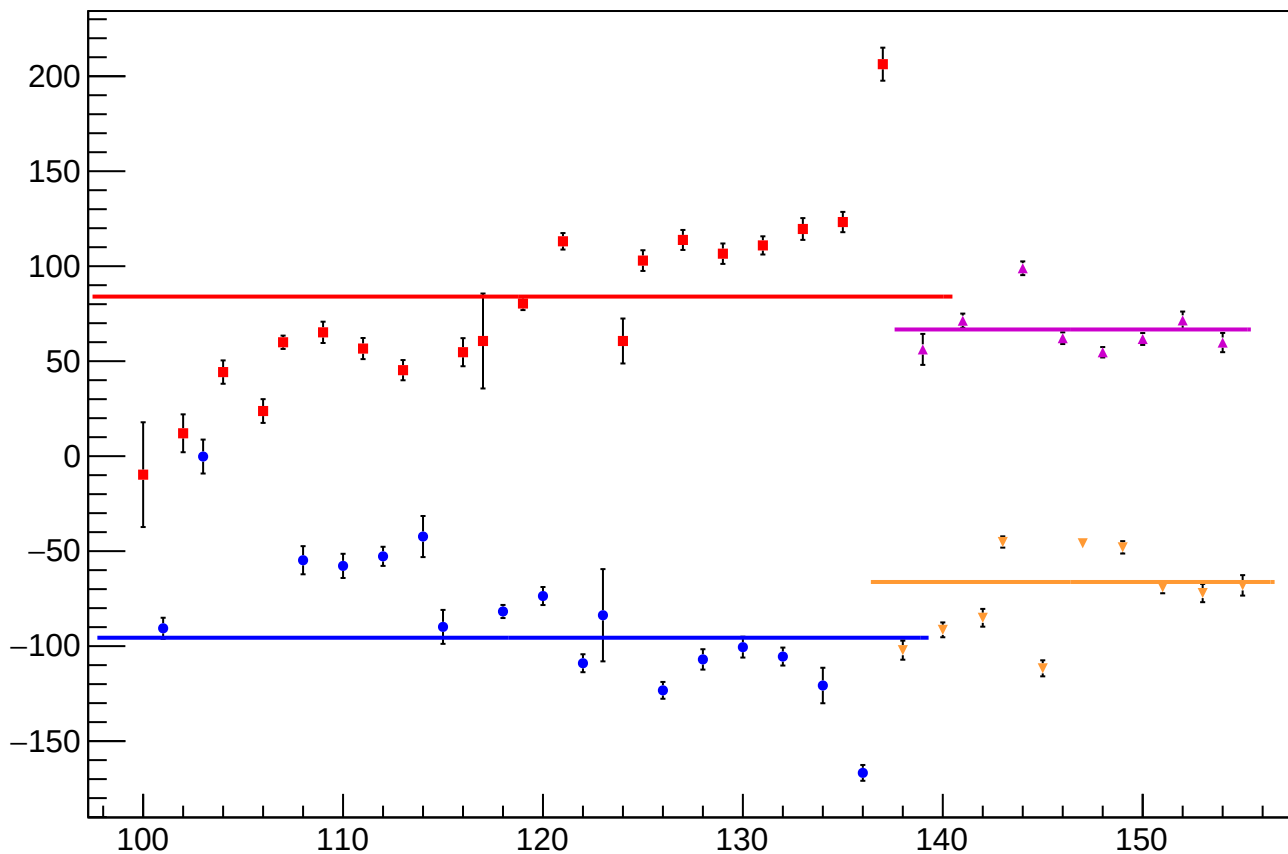
Left In: 244.170+/-1.571 χ^2/NDF : 97.0/7

-242.332+/-1.198 χ^2/NDF : 1925.0/26

-5.333+/-0.861 χ^2/NDF : 85082.4/54

248.196+/-1.239 χ^2/NDF : 2155.4/27

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: -66.229 $\pm$ 1.161 χ^2/NDF : 369.8/9

Right Out: 84.003 $\pm$ 1.255 χ^2/NDF : 784.1/19

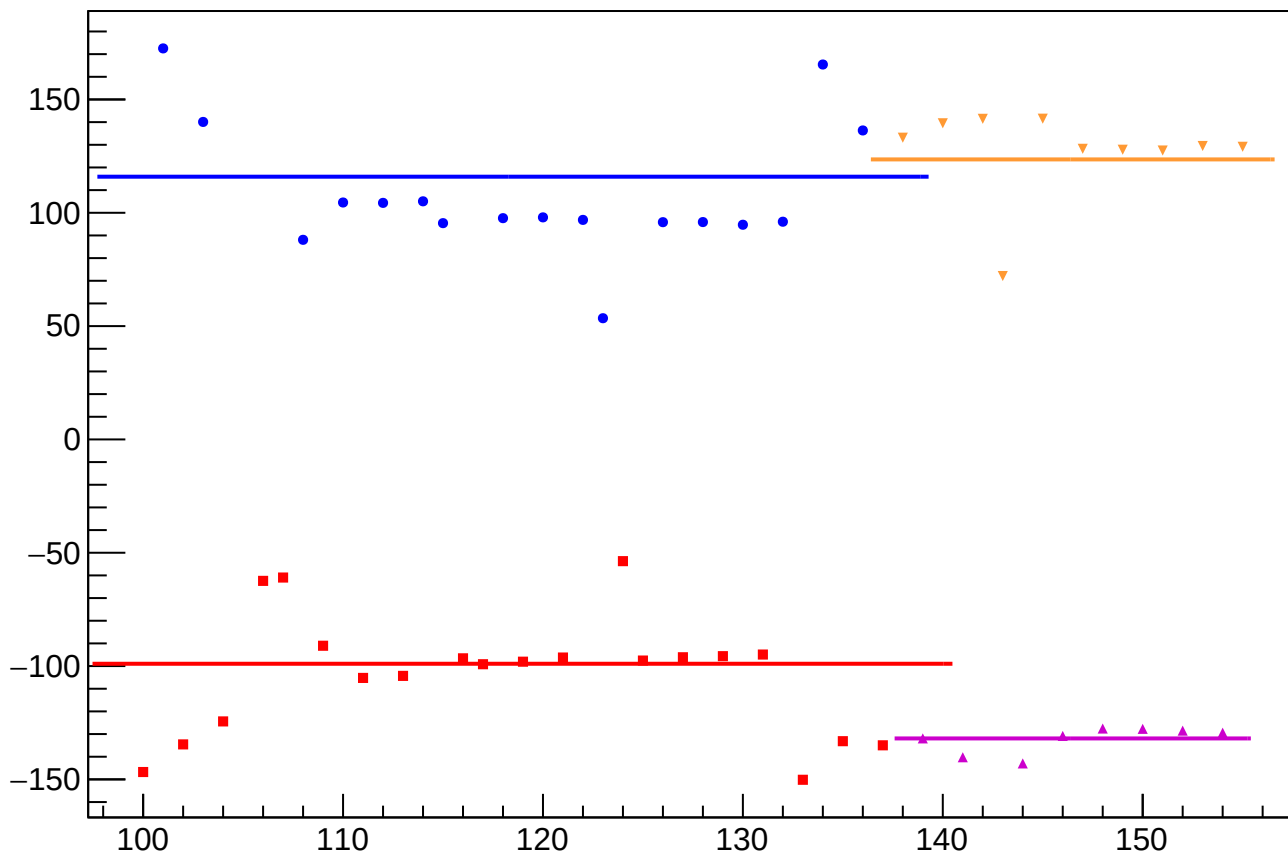
Left In: 66.687 $\pm$ 1.304 χ^2/NDF : 109.4/7

-78.808 $\pm$ 0.878 χ^2/NDF : 1314.9/26

-3.873 $\pm$ 0.630 χ^2/NDF : 17331.0/54

75.673 $\pm$ 0.904 χ^2/NDF : 985.1/27

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 115.927 $\pm$ 0.078 χ^2 /NDF: 105791.4/16

Left Out: 123.551 $\pm$ 0.059 χ^2 /NDF: 139713.4/9

Right Out: -98.982 $\pm$ 0.068 χ^2 /NDF: 172974.2/19

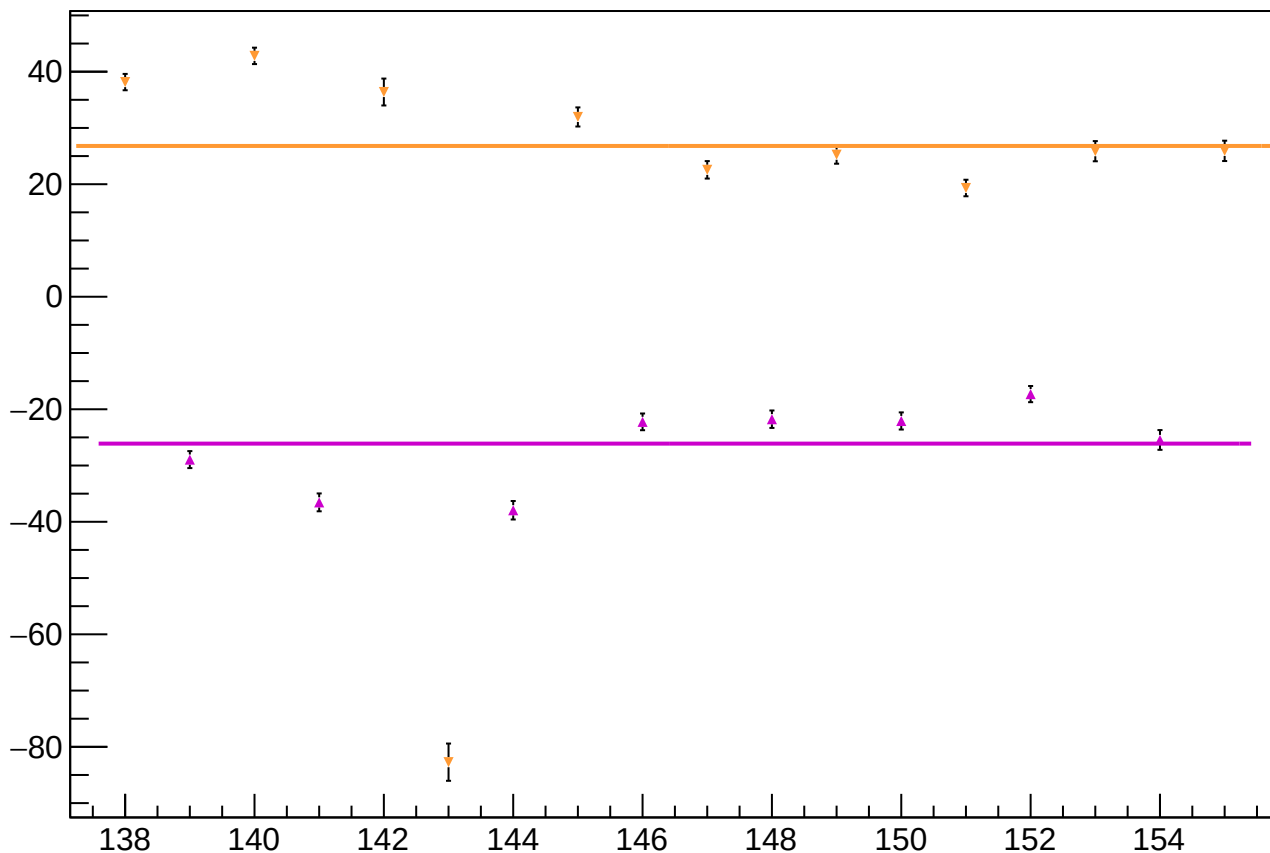
Left In: -131.932 $\pm$ 0.065 χ^2 /NDF: 6927.6/7

120.786 $\pm$ 0.047 χ^2 /NDF: 251527.7/26

1.633 $\pm$ 0.033 χ^2 /NDF: 13224820.1/54

-116.408 $\pm$ 0.047 χ^2 /NDF: 302330.9/27

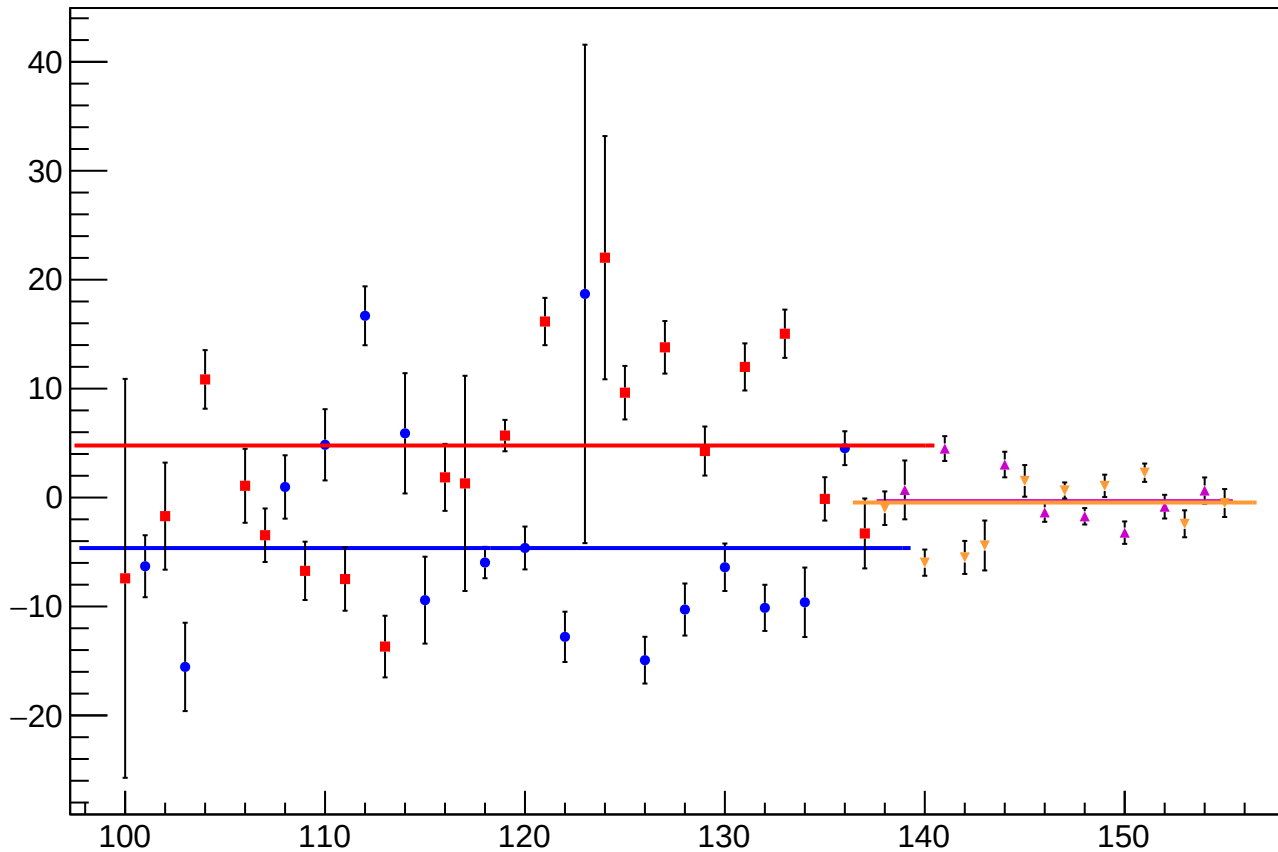
reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 26.800+/-0.539 χ^2/NDF :1336.1/9
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -26.106+/-0.549 χ^2/NDF :158.0/7

26.800+/-0.539 χ^2/NDF : 1336.1/9
 0.836+/-0.385 χ^2/NDF : 6221.6/17
 -26.106+/-0.549 χ^2/NDF : 158.0/7

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: -0.455 ± 0.361 χ^2/NDF : 54.6/9

Right Out: 4.779 ± 0.583 χ^2/NDF : 192.7/19

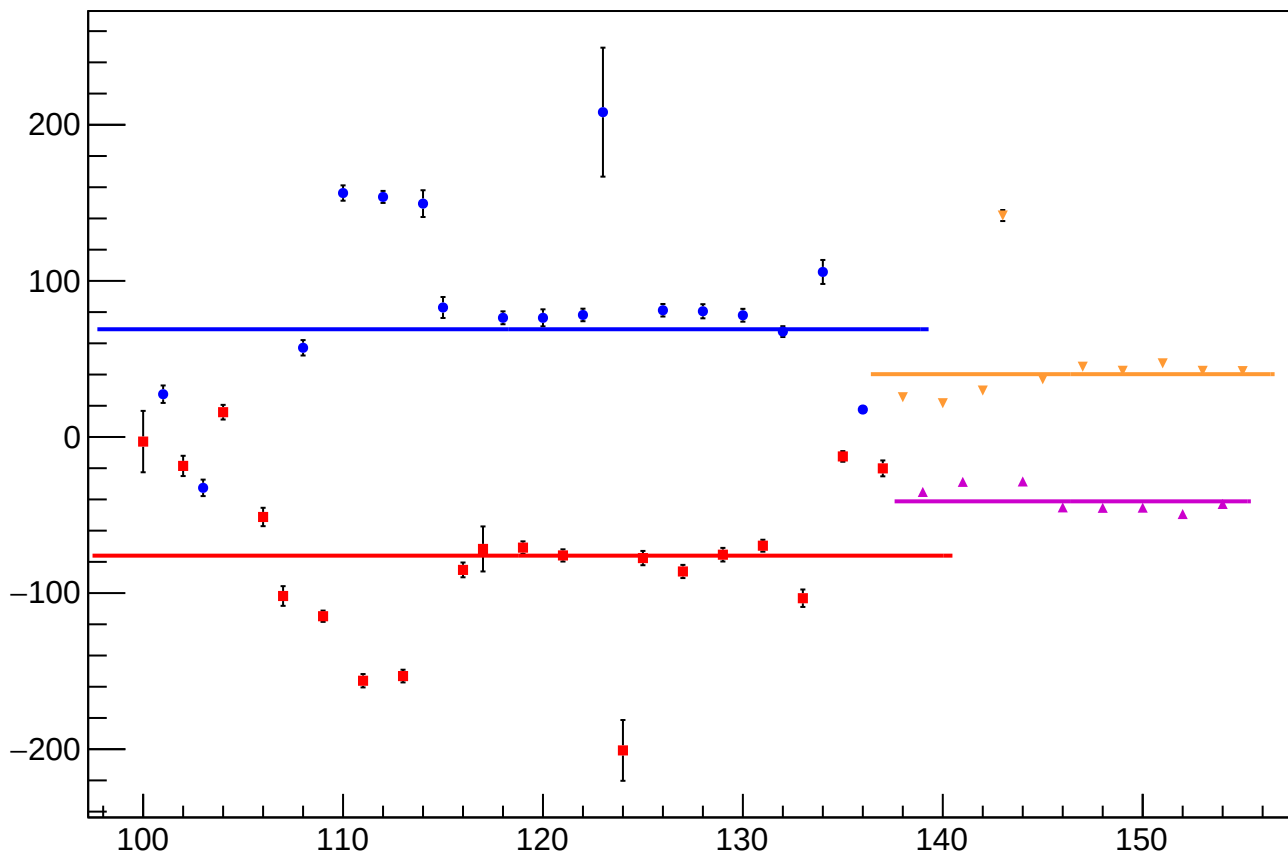
Left In: -0.329 ± 0.373 χ^2/NDF : 39.9/7

-1.602 ± 0.308 χ^2/NDF : 265.8/26

-0.254 ± 0.220 χ^2/NDF : 591.9/54

1.150 ± 0.314 χ^2/NDF : 287.0/27

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 69.019 ± 1.083 $\chi^2/\text{NDF}: 1848.0/16$

Left Out: 40.245 ± 0.534 $\chi^2/\text{NDF}: 1119.1/9$

Right Out: -76.017 ± 1.067 $\chi^2/\text{NDF}: 1882.0/19$

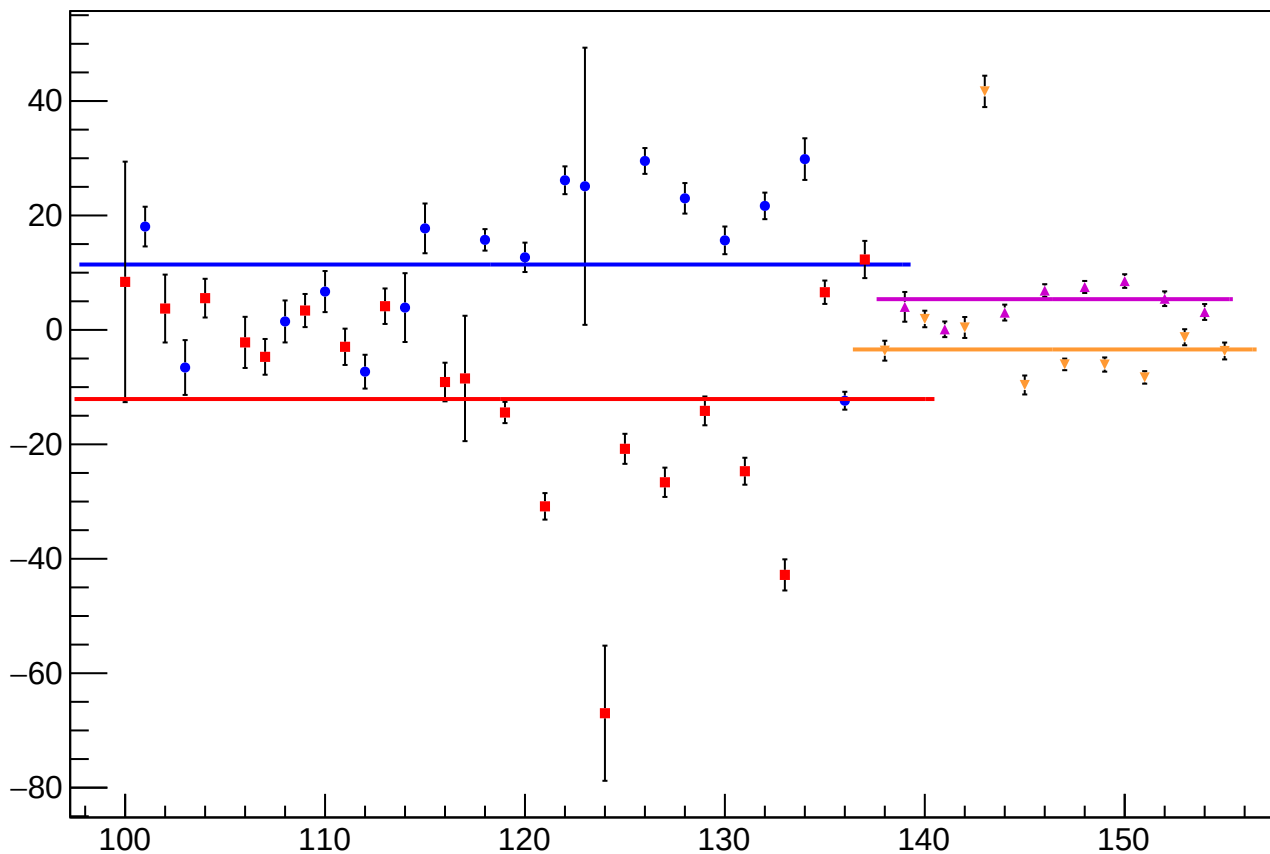
Left In: -41.226 ± 0.541 $\chi^2/\text{NDF}: 180.3/7$

45.870 ± 0.479 $\chi^2/\text{NDF}: 3534.6/26$

-0.883 ± 0.340 $\chi^2/\text{NDF}: 25638.7/54$

-48.346 ± 0.483 $\chi^2/\text{NDF}: 2908.0/27$

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: -3.415+/-0.446 χ^2/NDF : 335.8/9

Right Out: -12.082+/-0.663 χ^2/NDF : 539.2/19

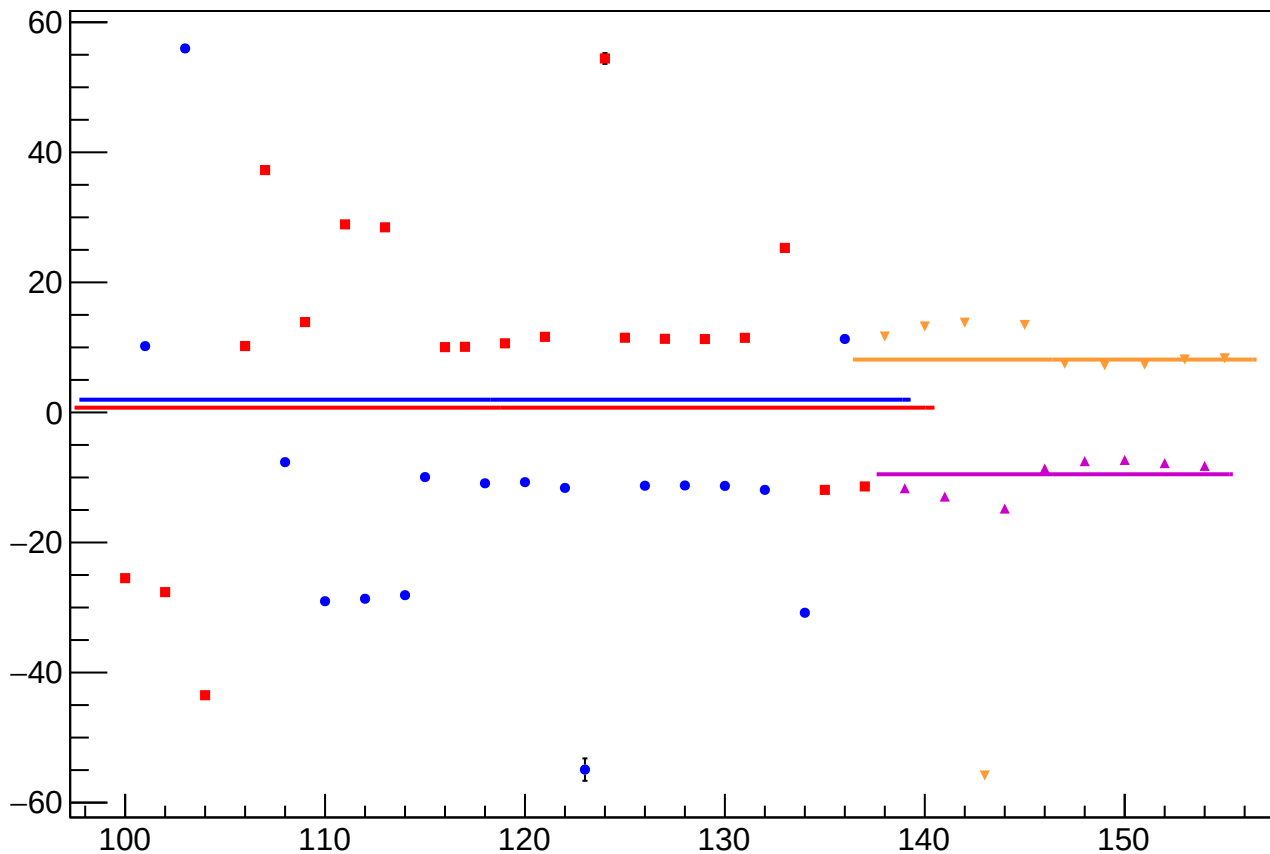
Left In: 5.373+/-0.459 χ^2/NDF : 33.6/7

1.186+/-0.371 χ^2/NDF : 1155.9/26

0.461+/-0.264 χ^2/NDF : 2205.0/54

-0.291+/-0.378 χ^2/NDF : 1041.4/27

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: 8.130+/-0.022 χ^2/NDF : 222435.6/9

Right Out: 0.733+/-0.037 χ^2/NDF : 361368.4/19

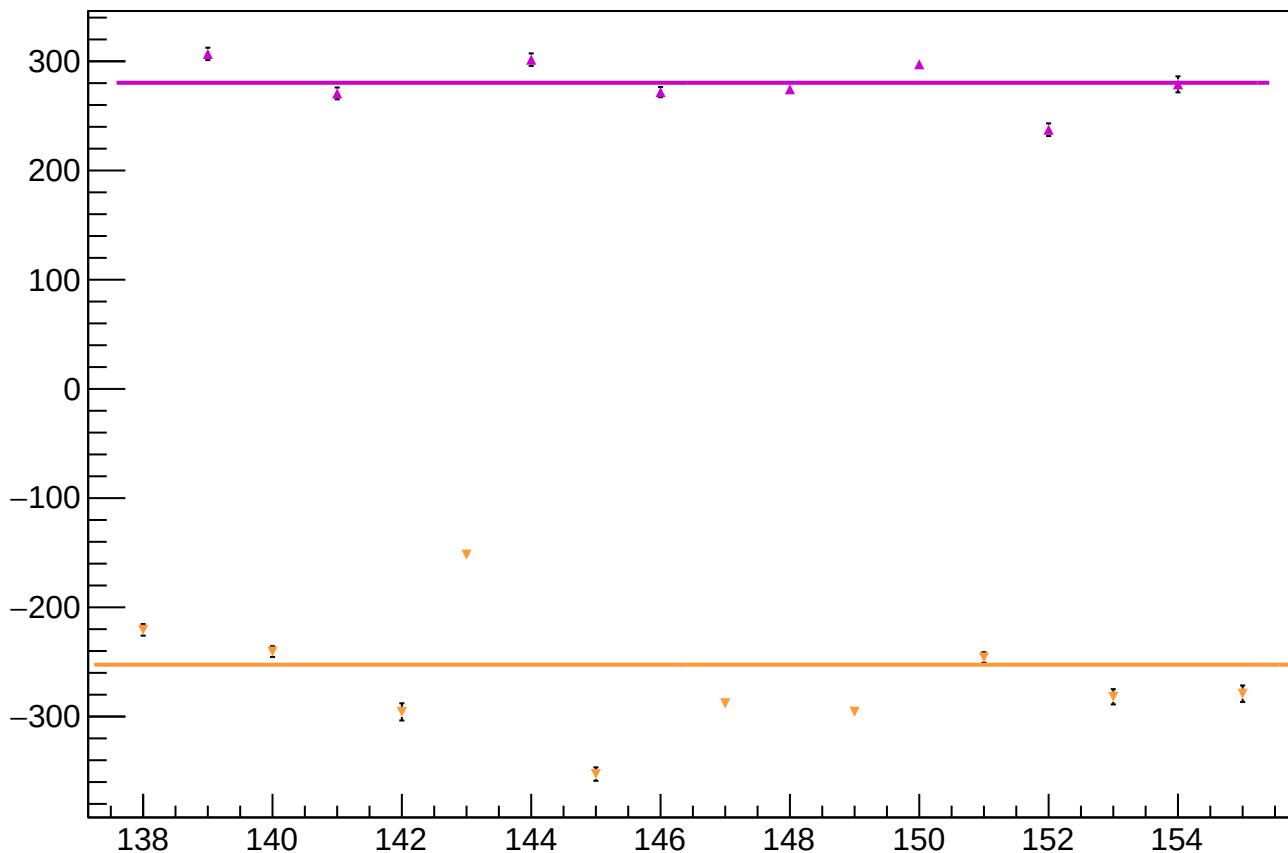
Left In: -9.508+/-0.022 χ^2/NDF : 12707.9/7

6.567+/-0.019 χ^2/NDF : 601491.8/26

-0.086+/-0.013 χ^2/NDF : 1287717.8/54

-6.857+/-0.019 χ^2/NDF : 430663.0/27

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: -252.518+/-1.662 χ^2/NDF : 1158.3/9

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

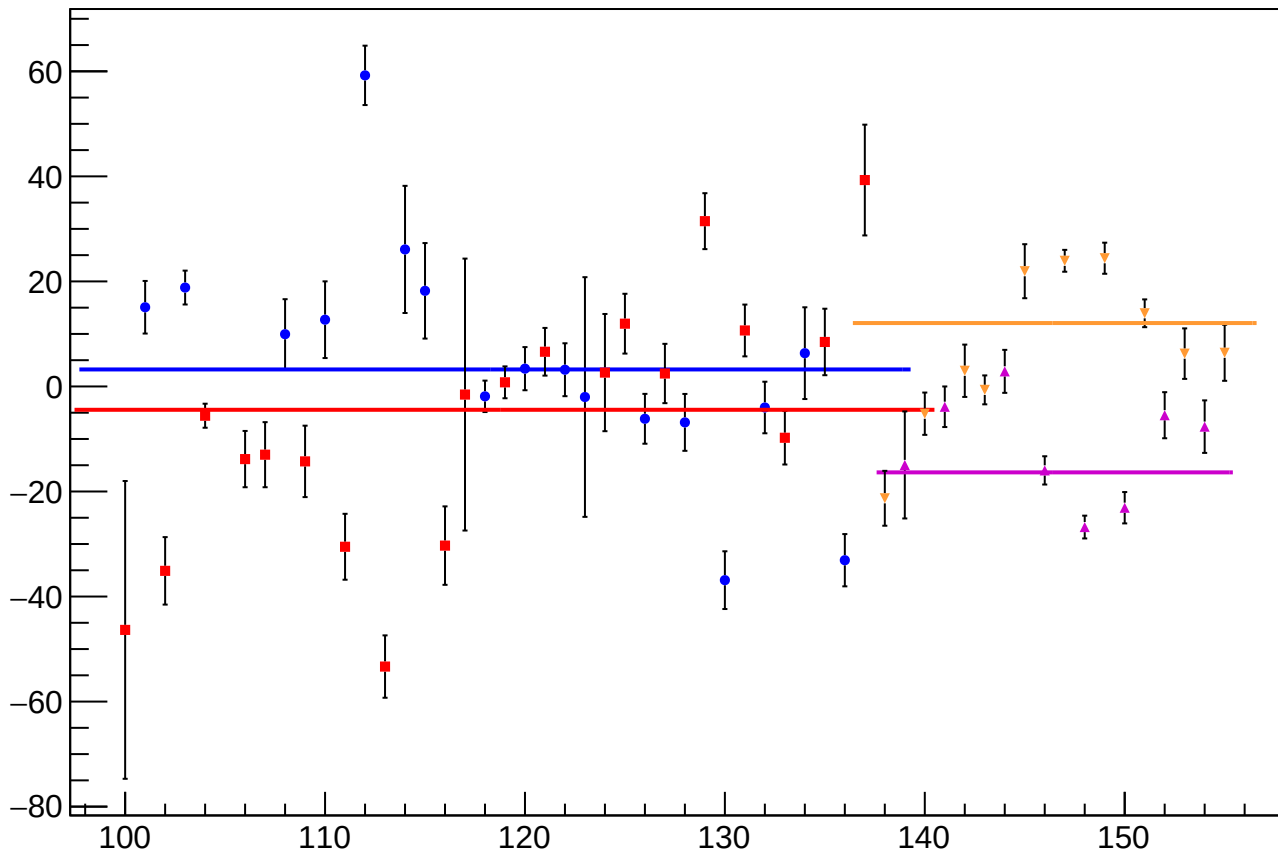
Left In: 280.339+/-1.857 χ^2/NDF : 112.7/7

-252.518+/-1.662 χ^2/NDF : 1158.3/9

-15.561+/-1.238 χ^2/NDF : 46984.8/17

280.339+/-1.857 χ^2/NDF : 112.7/7

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.237 ± 1.244 $\chi^2/\text{NDF}: 255.3/16$

Left Out: 12.072 ± 1.069 $\chi^2/\text{NDF}: 140.4/9$

Right Out: -4.444 ± 1.156 $\chi^2/\text{NDF}: 225.8/19$

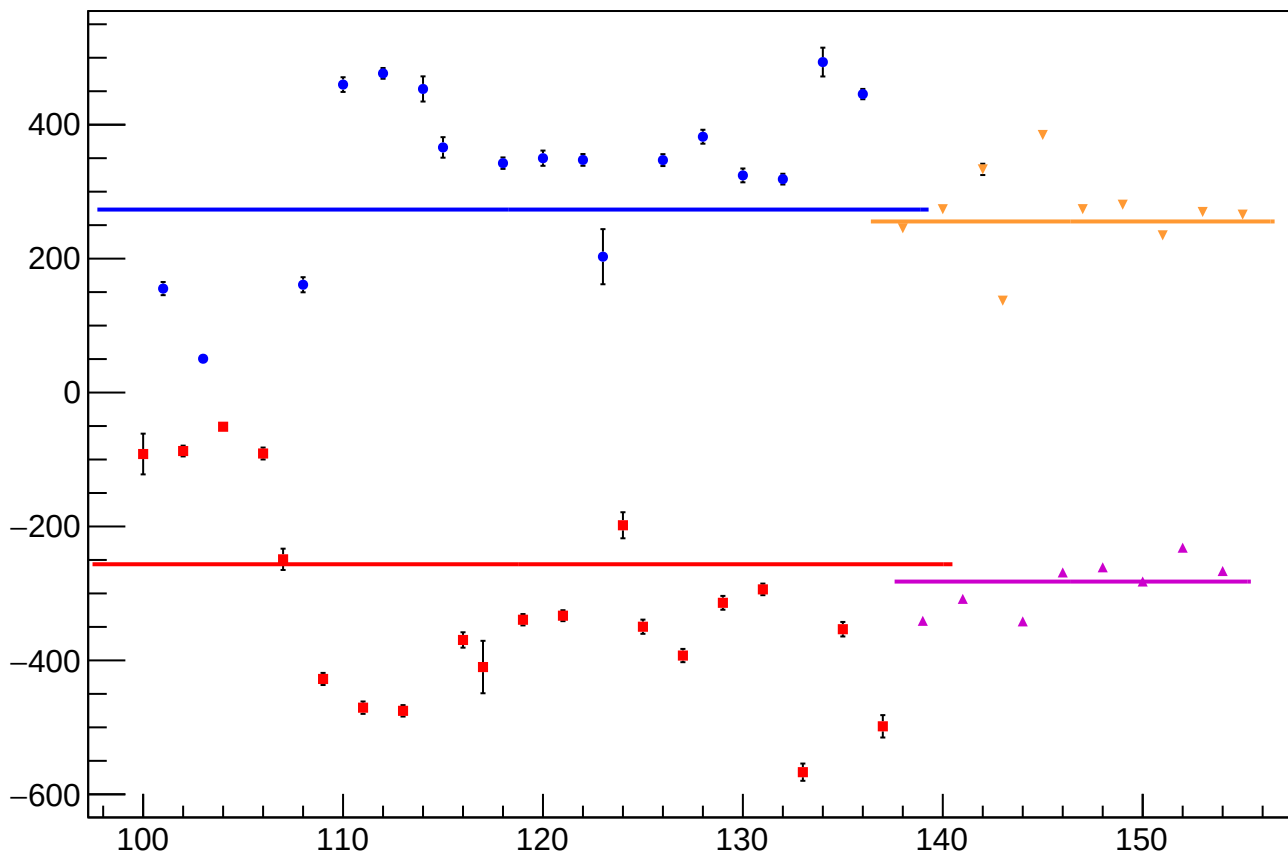
Left In: -16.360 ± 1.203 $\chi^2/\text{NDF}: 69.9/7$

8.316 ± 0.811 $\chi^2/\text{NDF}: 424.7/26$

-0.669 ± 0.581 $\chi^2/\text{NDF}: 1023.9/54$

-10.164 ± 0.834 $\chi^2/\text{NDF}: 346.6/27$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 273.276 ± 2.205 $\chi^2/\text{NDF}: 5101.5/16$

Left Out: 255.512 ± 1.657 $\chi^2/\text{NDF}: 1353.1/9$

Right Out: -256.418 ± 2.077 $\chi^2/\text{NDF}: 6453.9/19$

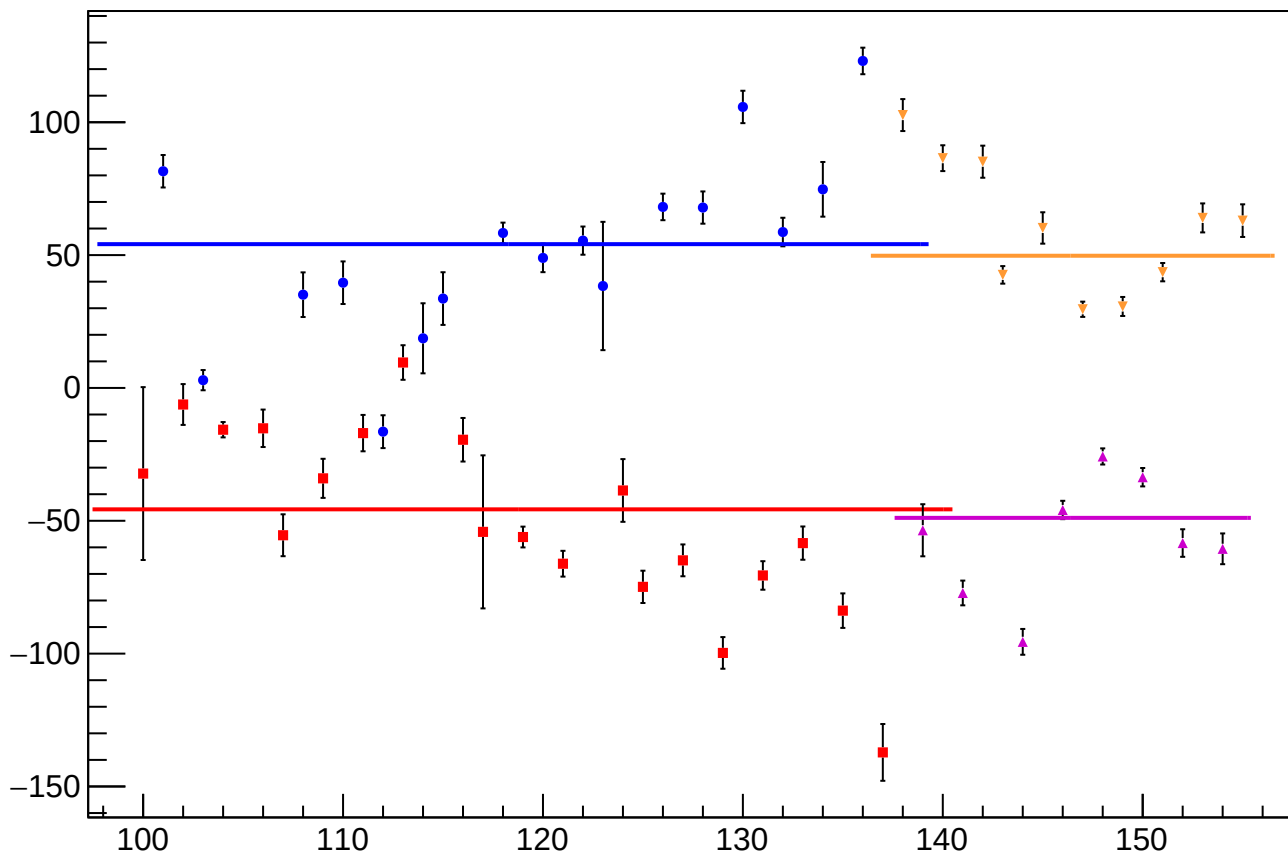
Left In: -282.298 ± 1.820 $\chi^2/\text{NDF}: 326.3/7$

261.923 ± 1.324 $\chi^2/\text{NDF}: 6496.1/26$

4.226 ± 0.952 $\chi^2/\text{NDF}: 91668.1/54$

-271.056 ± 1.369 $\chi^2/\text{NDF}: 6868.0/27$

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: 49.757+/-1.335 χ^2/NDF : 269.1/9

Right Out: -45.694+/-1.356 χ^2/NDF : 531.1/19

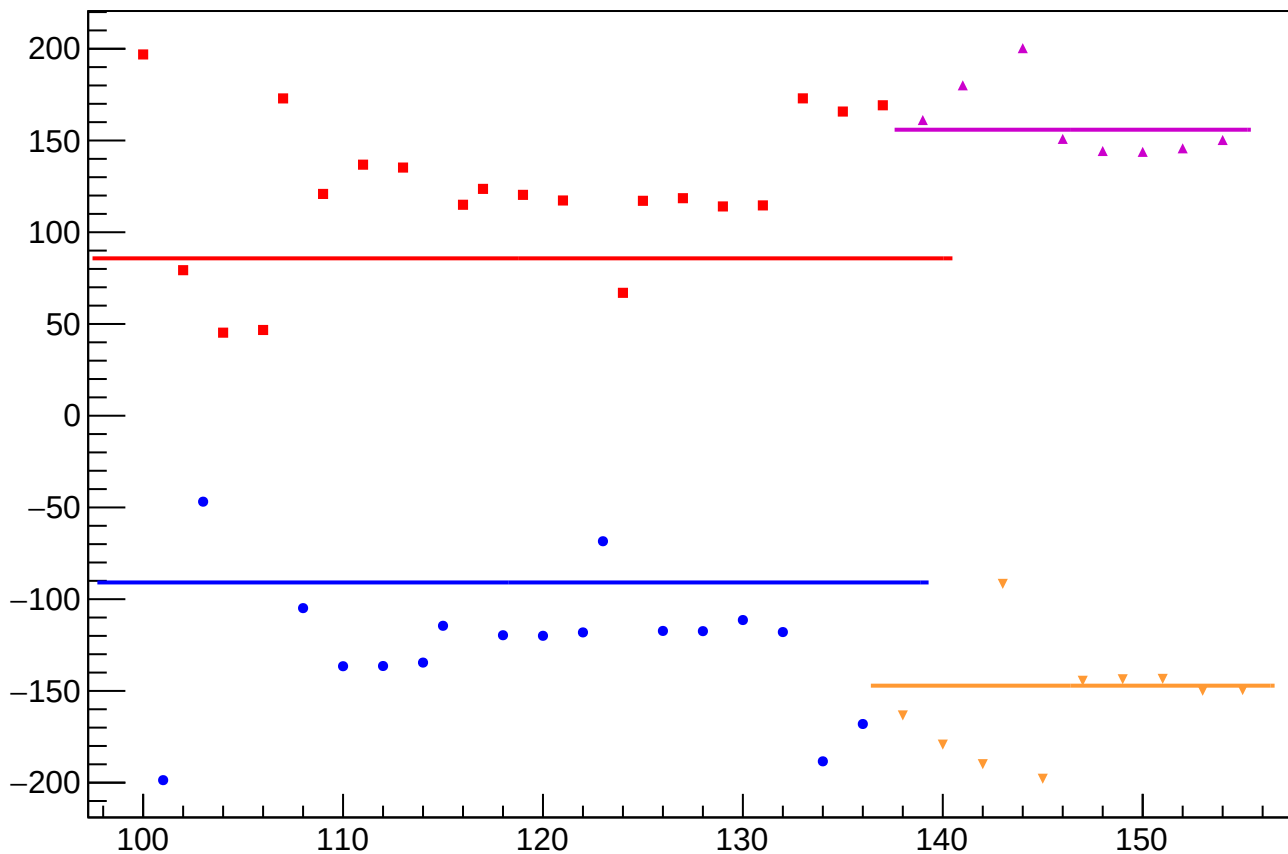
Left In: -48.901+/-1.505 χ^2/NDF : 215.1/7

51.776+/-0.978 χ^2/NDF : 908.0/26

3.764+/-0.702 χ^2/NDF : 6619.6/54

-47.131+/-1.007 χ^2/NDF : 748.7/27

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -90.881 ± 0.068 $\chi^2/\text{NDF}: 533423.8/16$

Left Out: -147.135 ± 0.069 $\chi^2/\text{NDF}: 186770.4/9$

Right Out: 85.772 ± 0.065 $\chi^2/\text{NDF}: 494629.5/19$

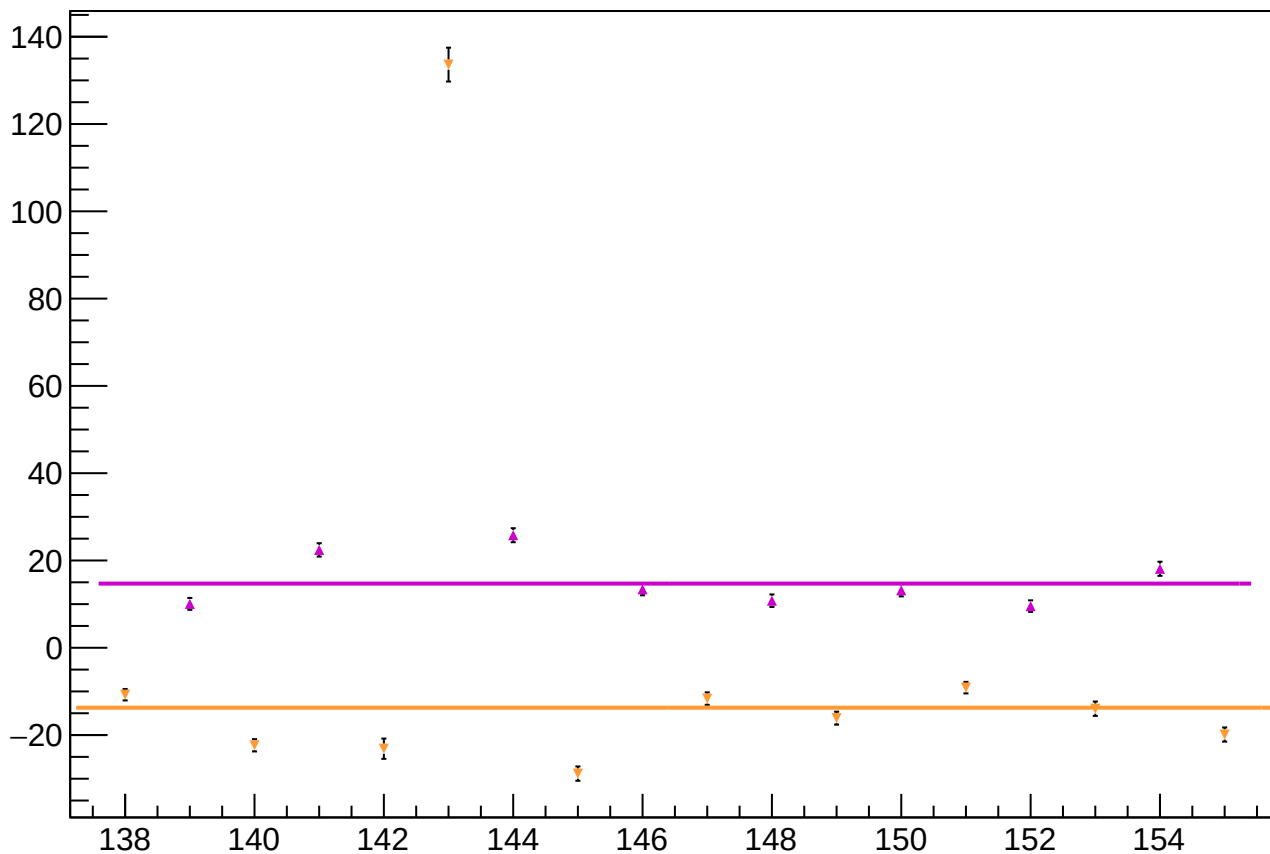
Left In: 155.880 ± 0.075 $\chi^2/\text{NDF}: 50627.0/7$

-118.642 ± 0.048 $\chi^2/\text{NDF}: 1060388.4/26$

-3.599 ± 0.034 $\chi^2/\text{NDF}: 13706584.5/54$

115.848 ± 0.049 $\chi^2/\text{NDF}: 1043985.4/27$

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: -13.723+/-0.503 χ^2/NDF :1615.2/9

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

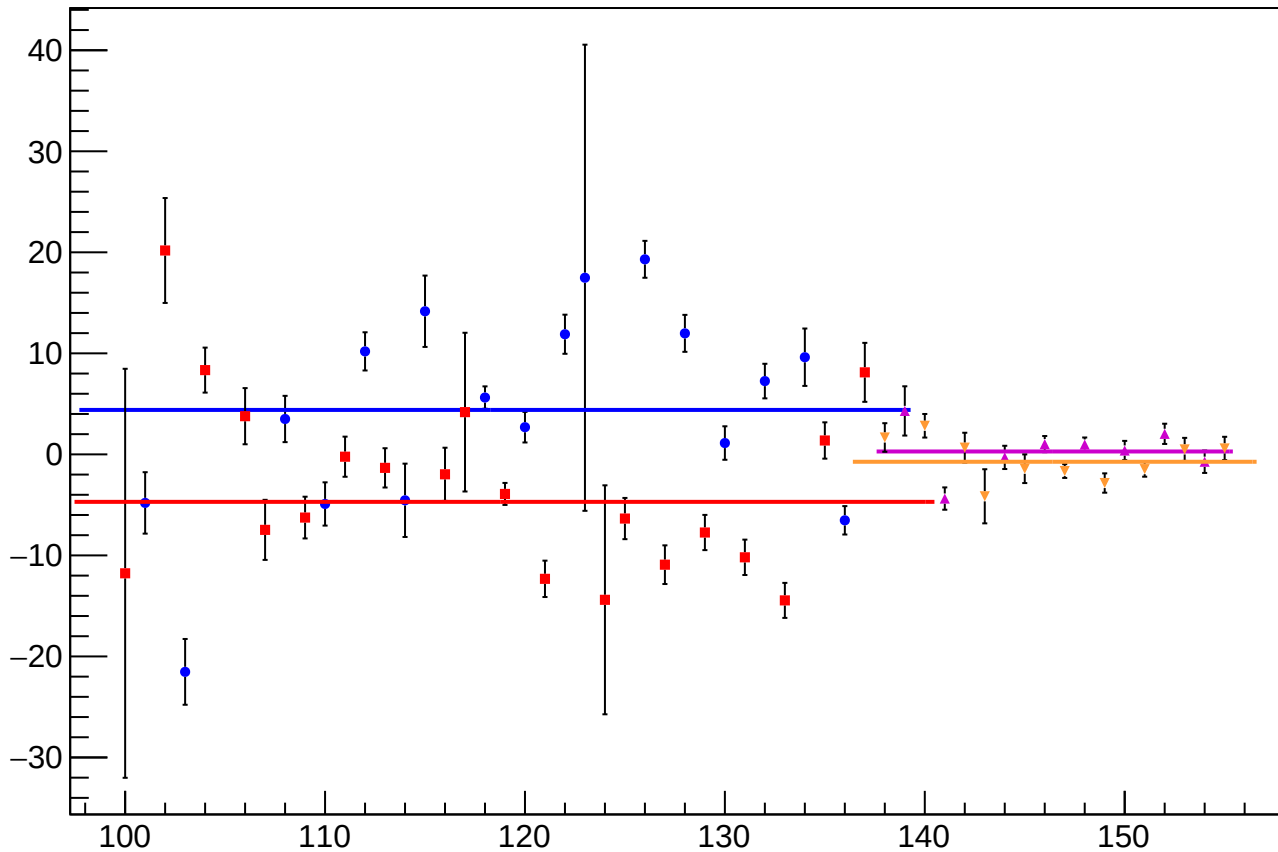
Left In: 14.704+/-0.511 χ^2/NDF :113.5/7

-13.723+/-0.503 χ^2/NDF : 1615.2/9

0.250+/-0.358 χ^2/NDF : 3301.3/17

14.704+/-0.511 χ^2/NDF : 113.5/7

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.399 $\pm$ 0.471 $\chi^2/\text{NDF}: 286.8/16$

Left Out: -0.732 $\pm$ 0.336 $\chi^2/\text{NDF}: 25.0/9$

Right Out: -4.700 $\pm$ 0.472 $\chi^2/\text{NDF}: 184.2/19$

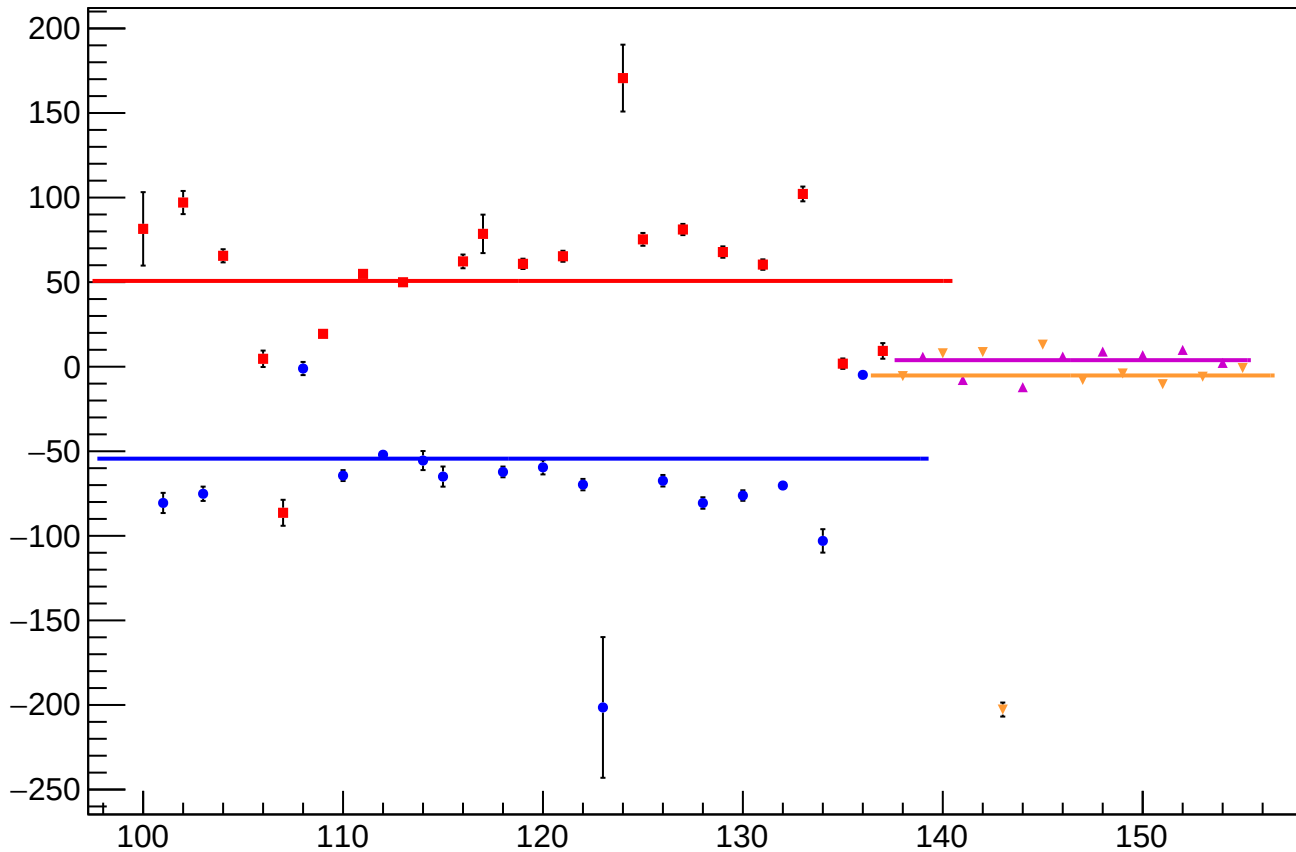
Left In: 0.286 $\pm$ 0.347 $\chi^2/\text{NDF}: 26.5/7$

0.995 $\pm$ 0.273 $\chi^2/\text{NDF}: 390.6/26$

-0.206 $\pm$ 0.196 $\chi^2/\text{NDF}: 713.1/54$

-1.465 $\pm$ 0.280 $\chi^2/\text{NDF}: 283.0/27$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -54.365 ± 0.868 χ^2/NDF : 1013.5/16

Left Out: -5.180 ± 0.497 χ^2/NDF : 2523.3/9

Right Out: 50.712 ± 0.855 χ^2/NDF : 1327.3/19

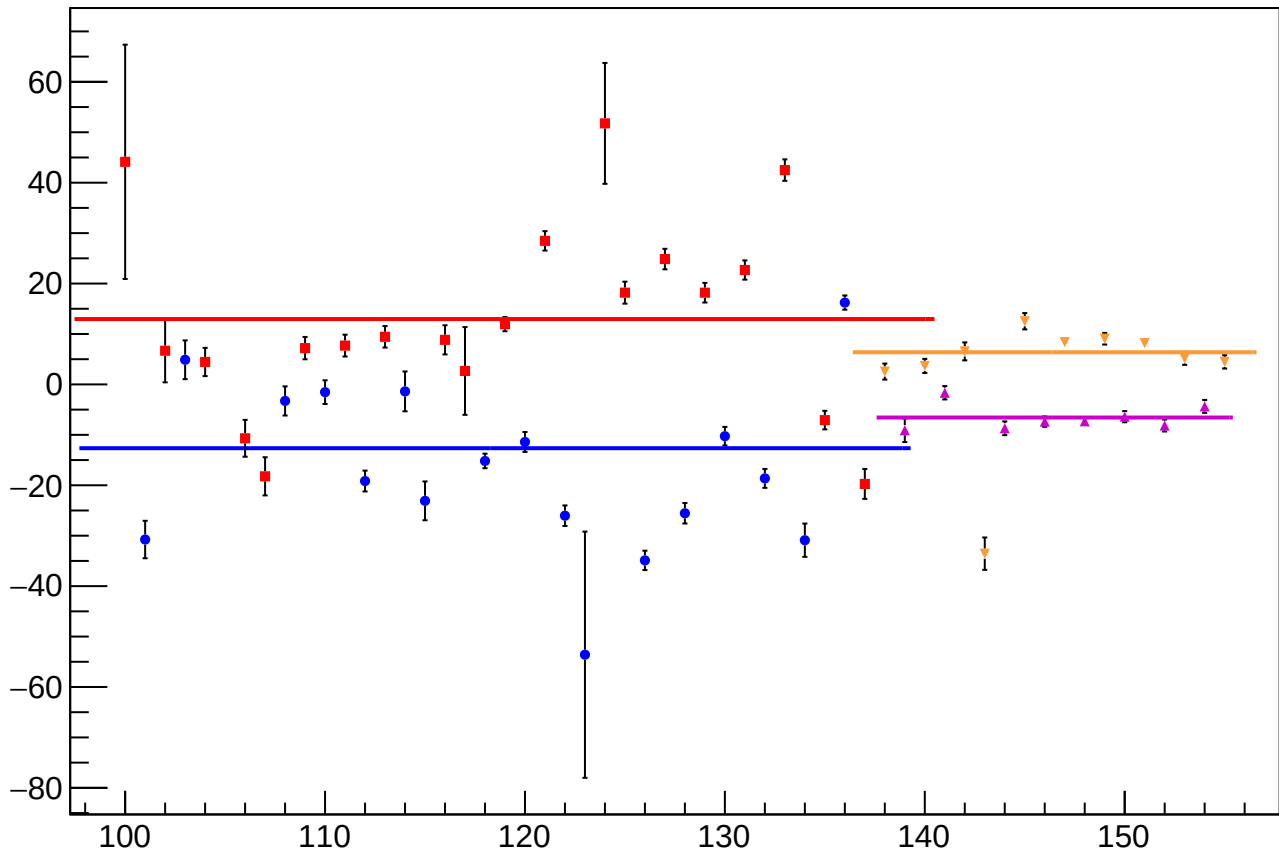
Left In: 3.866 ± 0.503 χ^2/NDF : 185.4/7

-17.305 ± 0.431 χ^2/NDF : 5954.8/26

-0.794 ± 0.306 χ^2/NDF : 12648.6/54

15.916 ± 0.434 χ^2/NDF : 3742.2/27

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: 6.380 ± 0.415 χ^2/NDF : 195.1/9

Right Out: 12.965 ± 0.536 χ^2/NDF : 722.8/19

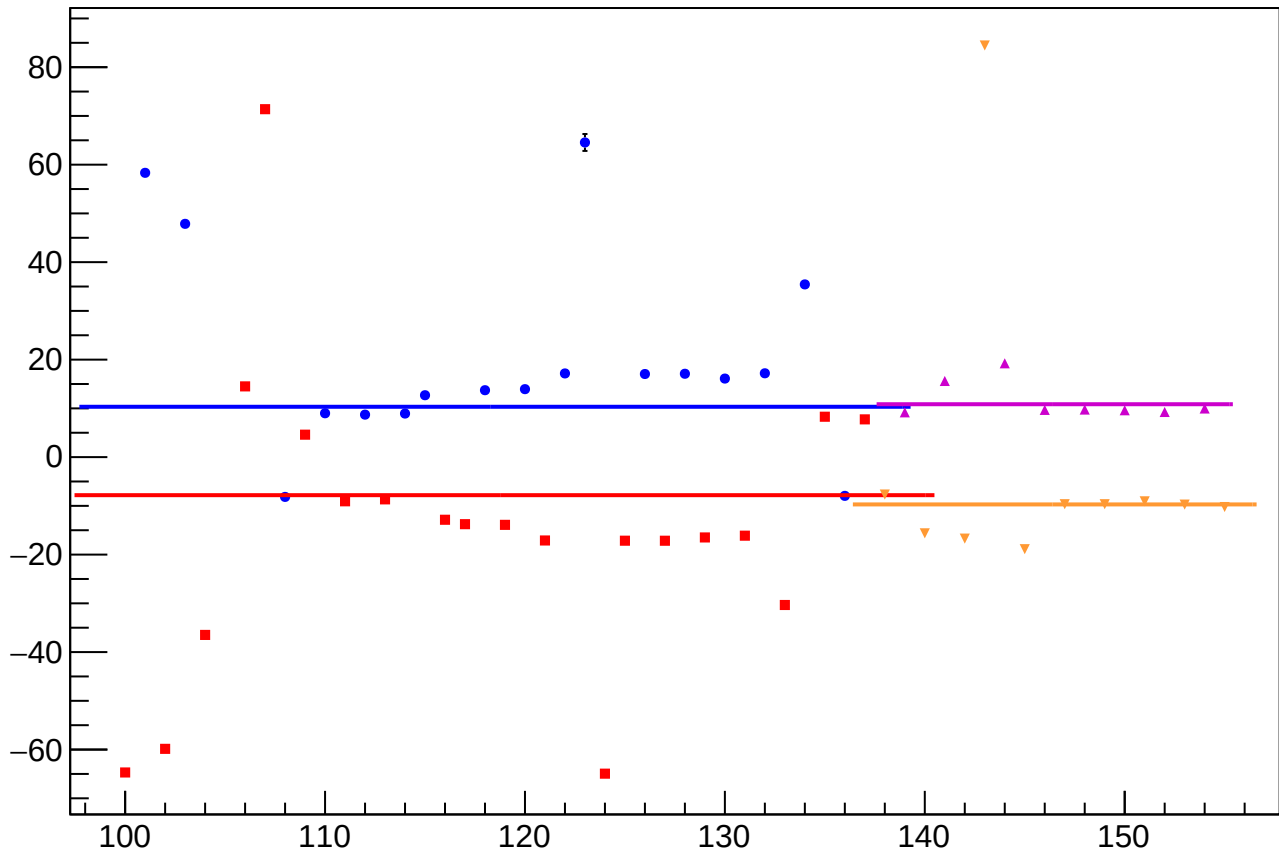
Left In: -6.570 ± 0.429 χ^2/NDF : 23.4/7

-0.747 ± 0.328 χ^2/NDF : 1770.9/26

0.129 ± 0.234 χ^2/NDF : 3341.0/54

1.041 ± 0.335 χ^2/NDF : 1555.5/27

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: -9.705 ± 0.020 χ^2/NDF : 354556.0/9

Right Out: -7.808 ± 0.031 χ^2/NDF : 544249.7/19

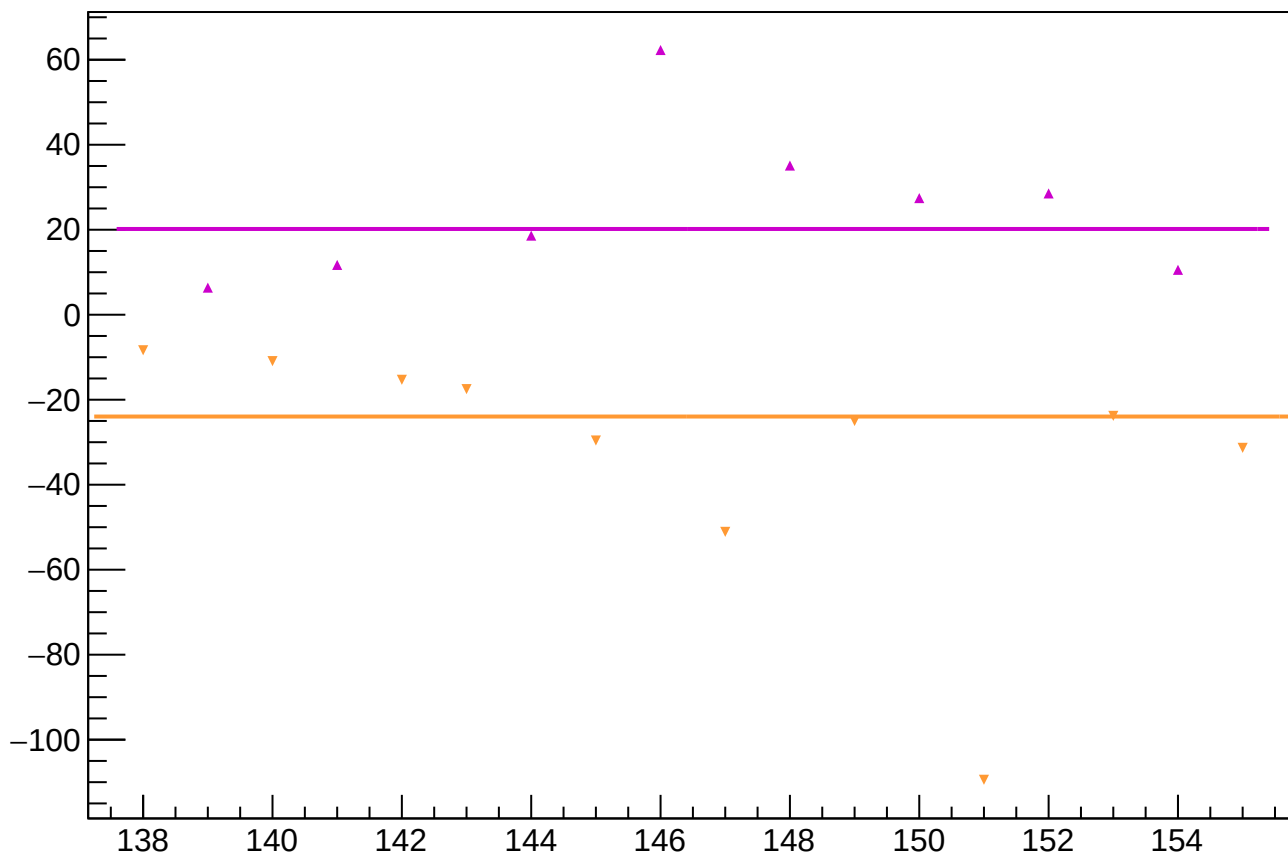
Left In: 10.852 ± 0.020 χ^2/NDF : 21193.7/7

-3.696 ± 0.017 χ^2/NDF : 1034047.1/26

0.739 ± 0.012 χ^2/NDF : 1991406.9/54

5.302 ± 0.017 χ^2/NDF : 815959.5/27

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: -23.959+/-0.088 χ^2/NDF : 49698.2/9

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

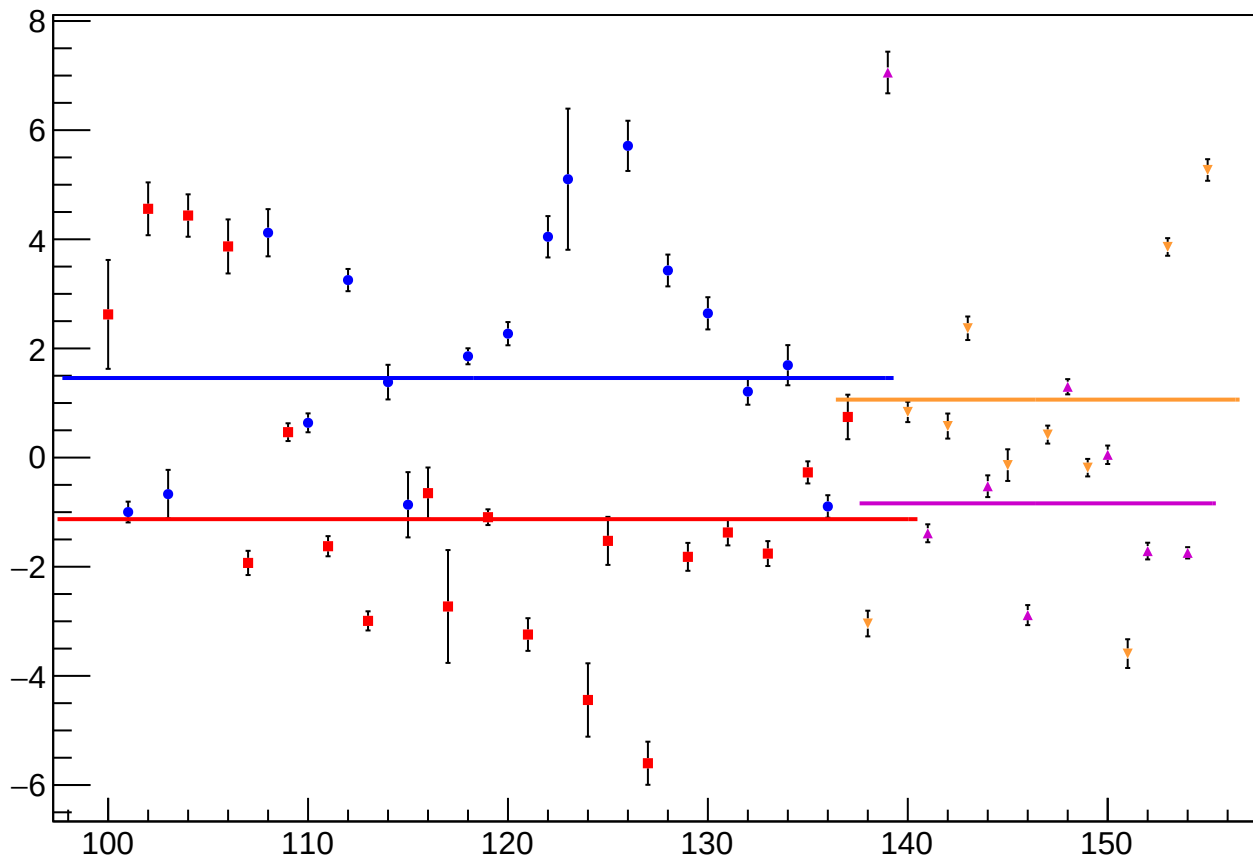
Left In: 20.177+/-0.080 χ^2/NDF : 32570.4/7

-23.959+/-0.088 χ^2/NDF : 49698.2/9

0.032+/-0.059 χ^2/NDF : 220041.5/17

20.177+/-0.080 χ^2/NDF : 32570.4/7

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: 1.062 ± 0.063 χ^2/NDF : 1504.9/9

Right Out: -1.128 ± 0.058 χ^2/NDF : 949.8/19

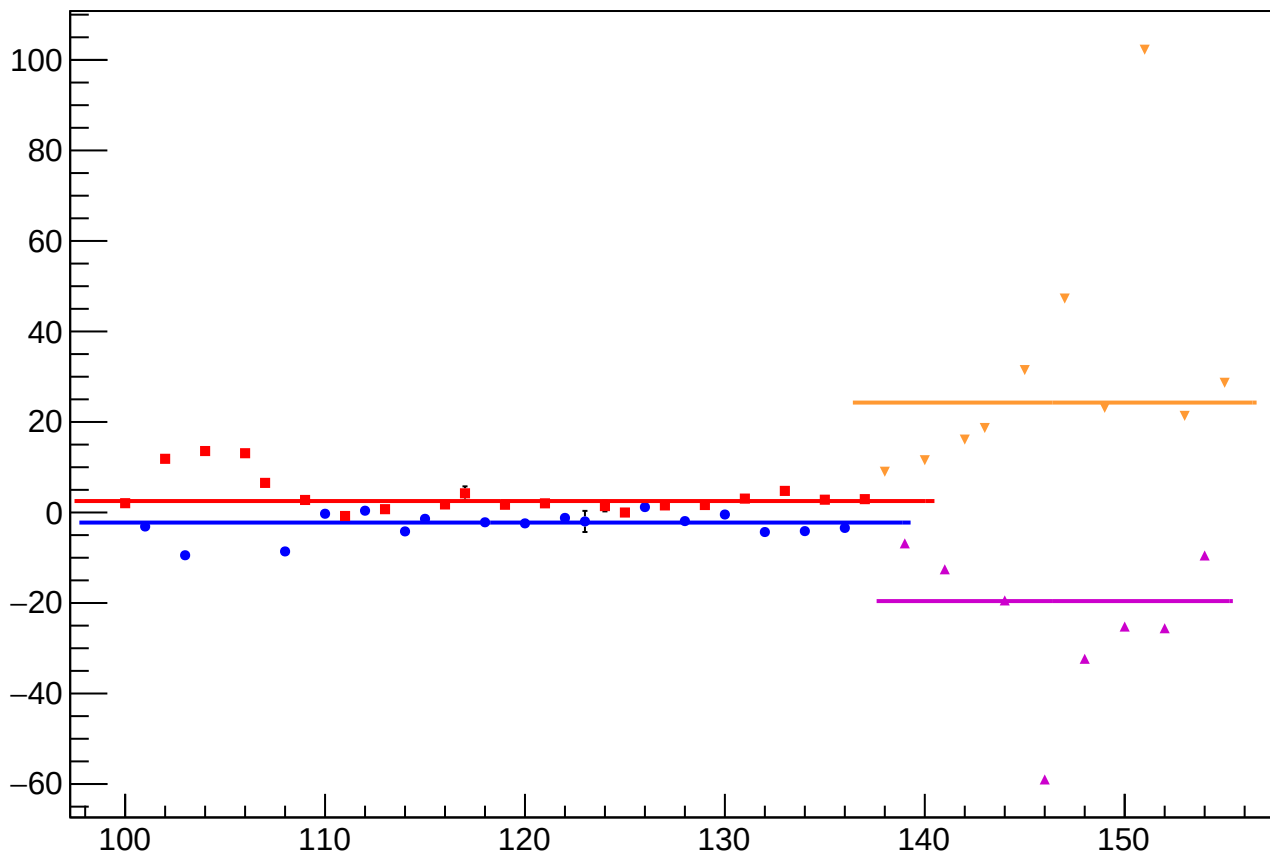
Left In: -0.839 ± 0.056 χ^2/NDF : 937.2/7

1.263 ± 0.044 χ^2/NDF : 2223.2/26

0.040 ± 0.030 χ^2/NDF : 5532.1/54

-0.978 ± 0.040 χ^2/NDF : 1899.9/27

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.228 ± 0.111 χ^2/NDF : 460.4/16

Left Out: 24.286 ± 0.088 χ^2/NDF : 43938.0/9

Right Out: 2.527 ± 0.099 χ^2/NDF : 905.2/19

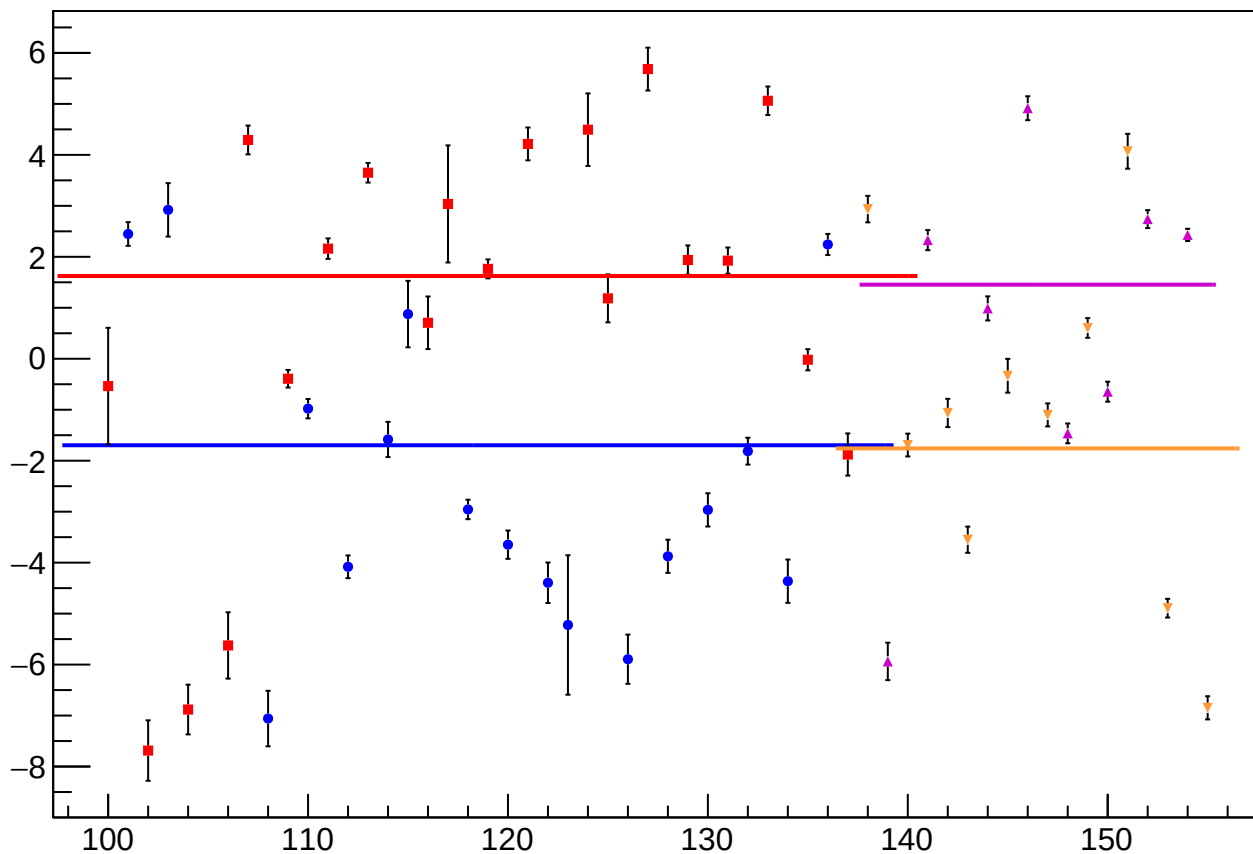
Left In: -19.578 ± 0.078 χ^2/NDF : 29912.1/7

14.117 ± 0.069 χ^2/NDF : 79402.4/26

0.106 ± 0.046 χ^2/NDF : 215127.2/54

-11.028 ± 0.061 χ^2/NDF : 61530.4/27

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: -1.759 ± 0.075 χ^2/NDF : 1643.4/9

Right Out: 1.623 ± 0.066 χ^2/NDF : 1490.8/19

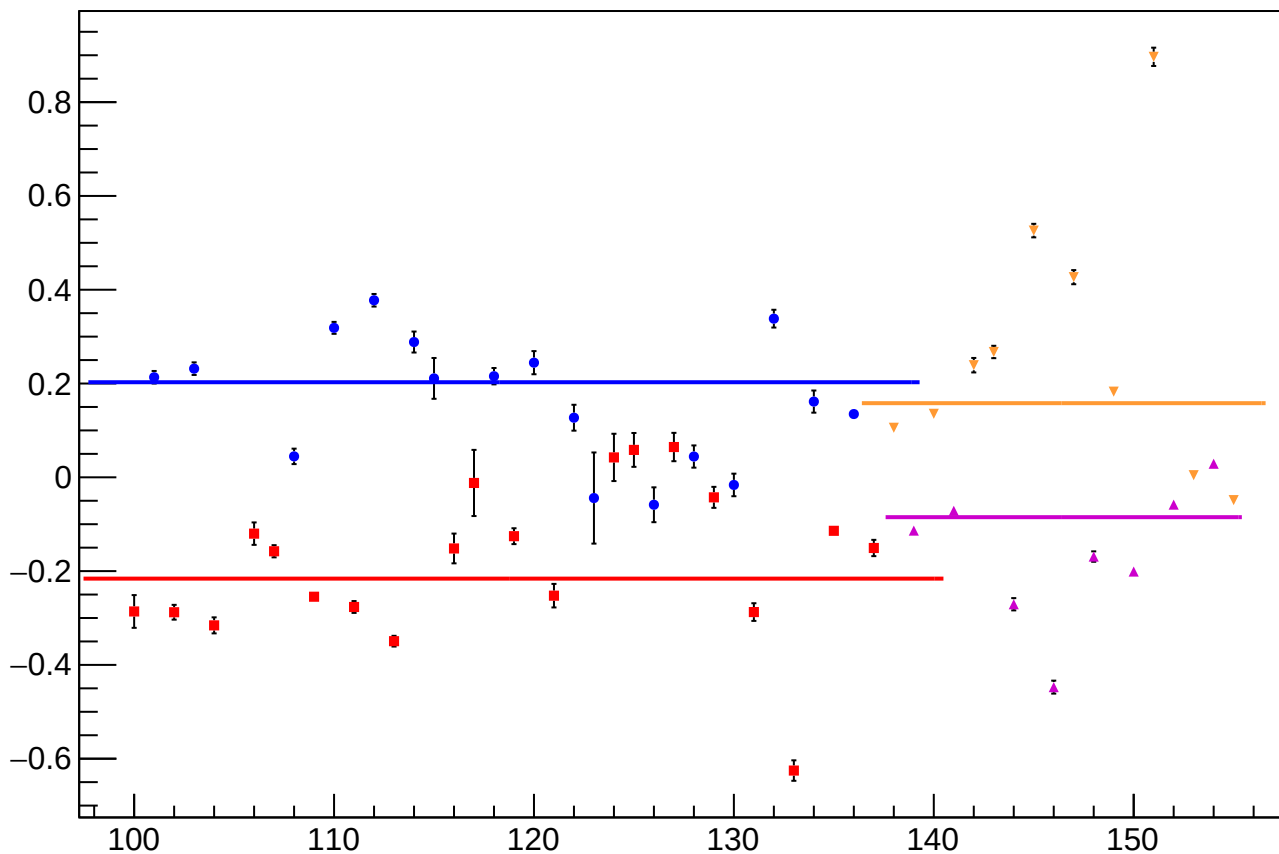
Left In: 1.454 ± 0.067 χ^2/NDF : 1108.8/7

-1.726 ± 0.052 χ^2/NDF : 2963.2/26

0.070 ± 0.035 χ^2/NDF : 7759.3/54

1.540 ± 0.047 χ^2/NDF : 2602.8/27

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: 0.158 ± 0.003 χ^2/NDF : 3471.5/9

Right Out: -0.216 ± 0.004 χ^2/NDF : 1072.8/19

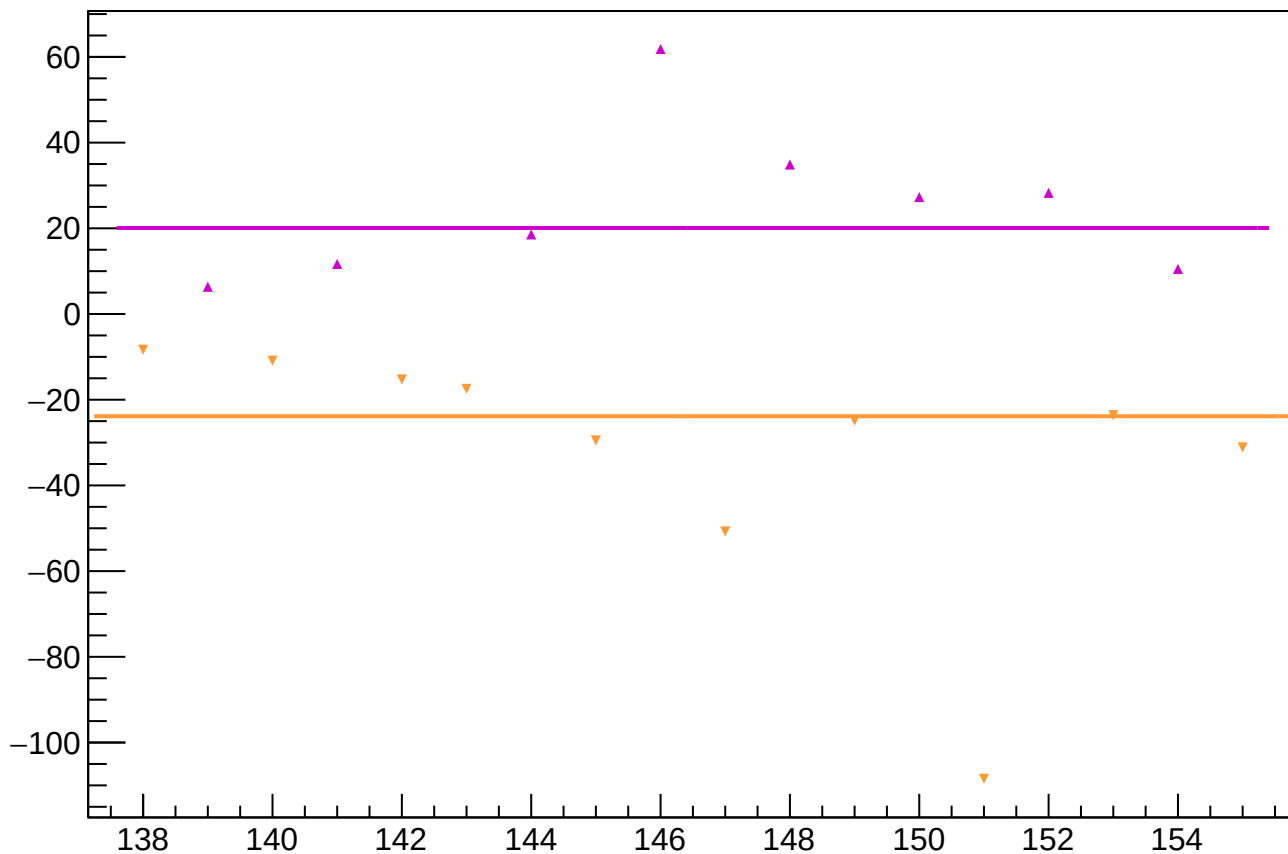
Left In: -0.085 ± 0.003 χ^2/NDF : 1647.6/7

0.176 ± 0.003 χ^2/NDF : 4216.5/26

-0.001 ± 0.002 χ^2/NDF : 15594.1/54

-0.136 ± 0.002 χ^2/NDF : 3486.2/27

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: -23.859+/-0.087 χ^2/NDF : 49569.2/9

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

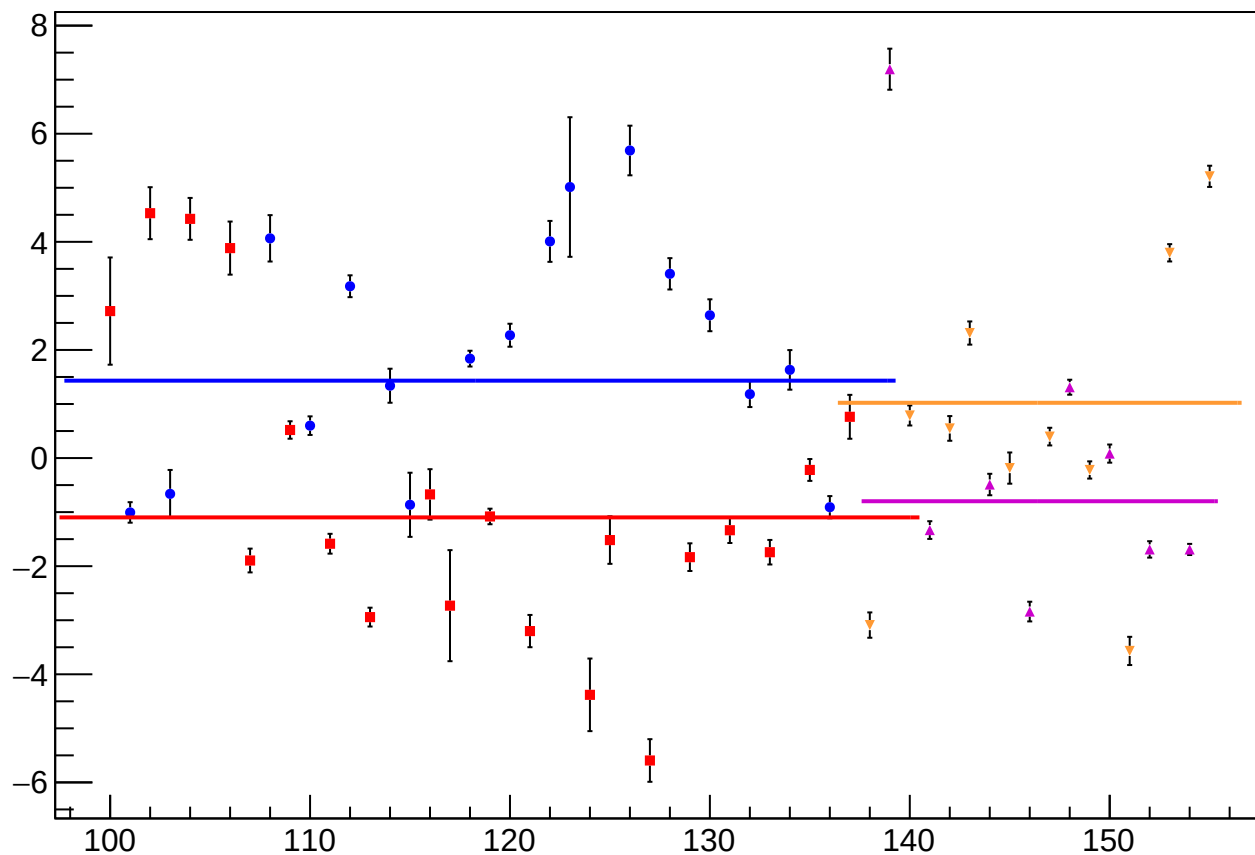
Left In: 20.086+/-0.080 χ^2/NDF : 32488.0/7

-23.859+/-0.087 χ^2/NDF : 49569.2/9

0.033+/-0.059 χ^2/NDF : 220289.1/17

20.086+/-0.080 χ^2/NDF : 32488.0/7

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected

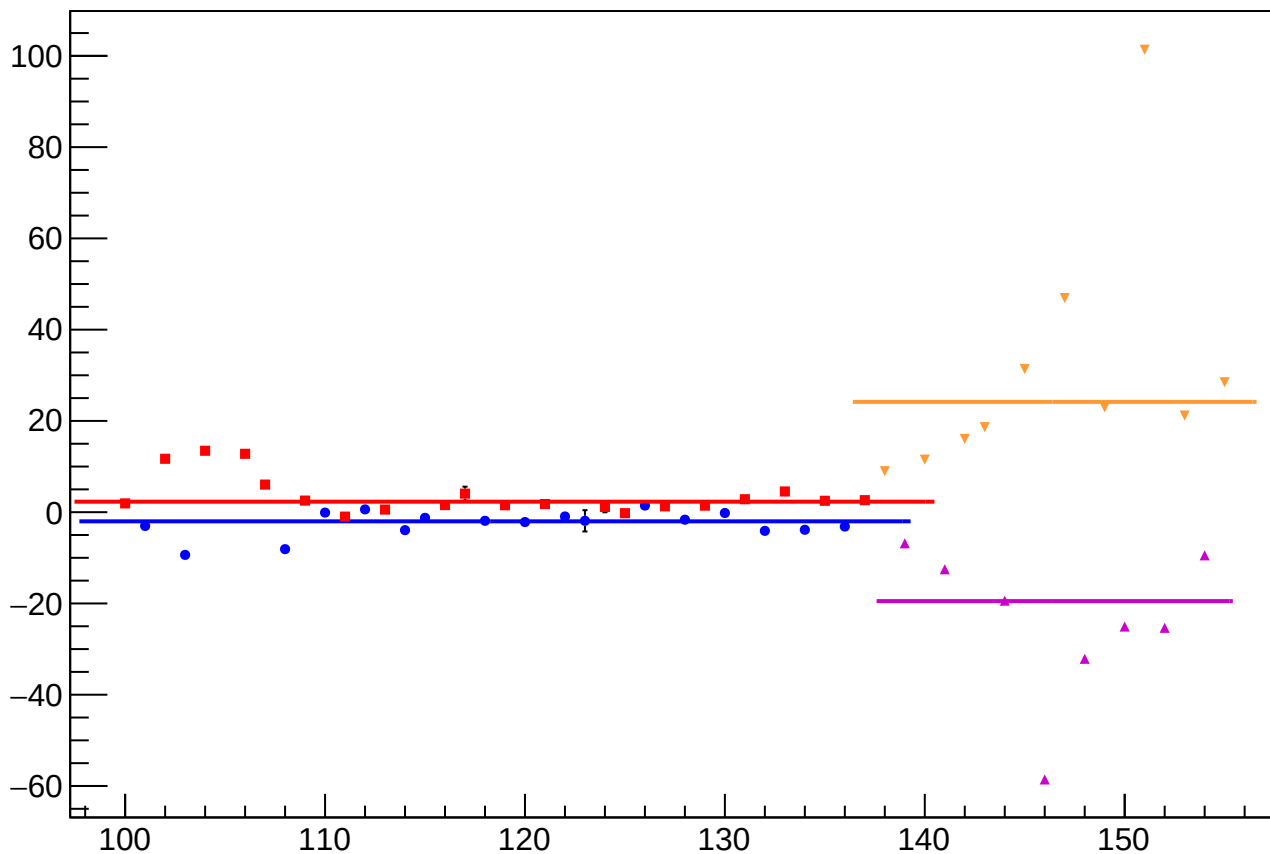


1.230 ± 0.044 $\chi^2/\text{NDF}: 2226.4/26$

0.044 ± 0.030 $\chi^2/\text{NDF}: 5483.7/54$

-0.942 ± 0.040 $\chi^2/\text{NDF}: 1919.3/27$

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.005+/-0.111 χ^2/NDF : 463.1/16

Left Out: 24.177+/-0.087 χ^2/NDF : 43825.9/9

Right Out: 2.302+/-0.098 χ^2/NDF : 908.6/19

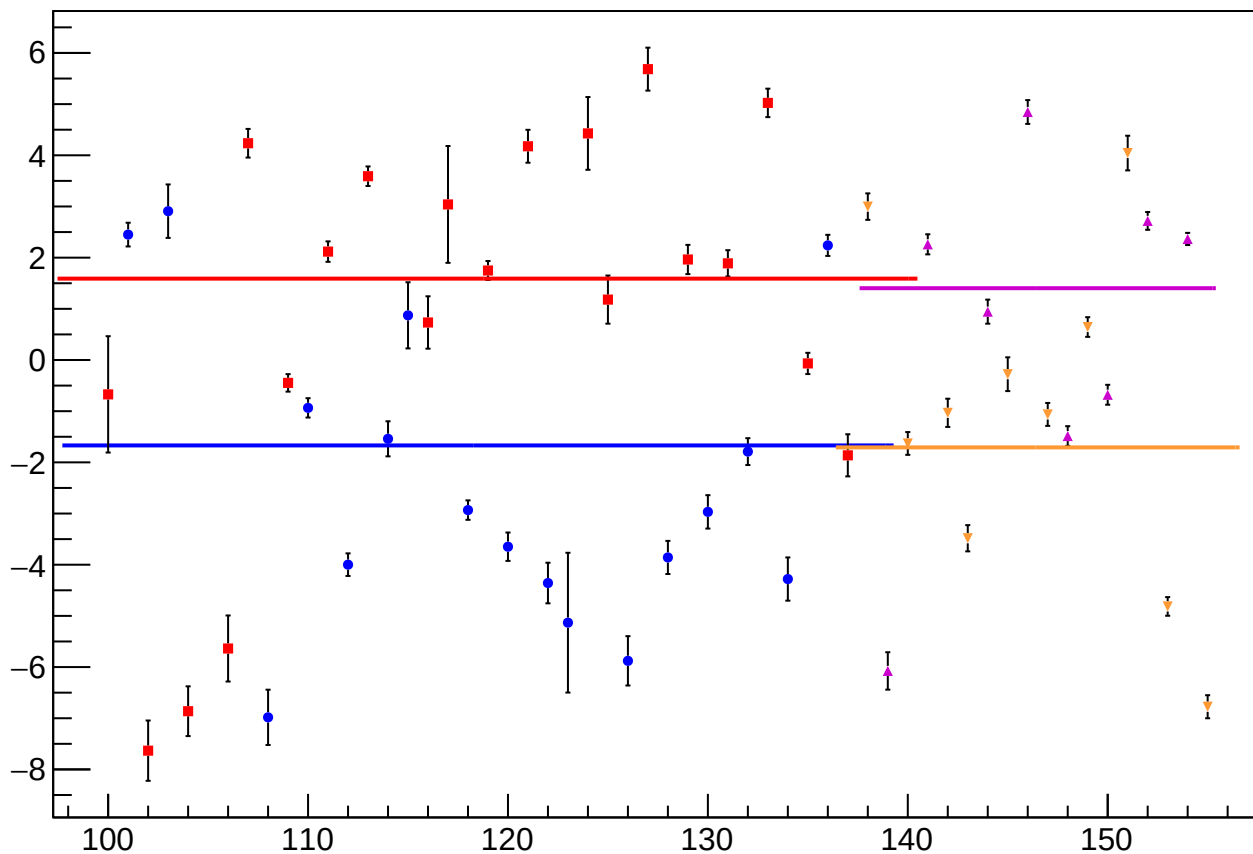
Left In: -19.485+/-0.078 χ^2/NDF : 29843.0/7

14.149+/-0.069 χ^2/NDF : 78791.0/26

0.094+/-0.046 χ^2/NDF : 215210.6/54

-11.069+/-0.061 χ^2/NDF : 60927.8/27

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.669 $\pm$ 0.071 χ^2/NDF : 1314.9/16

Left Out: -1.708 $\pm$ 0.075 χ^2/NDF : 1647.9/9

Right Out: 1.590 $\pm$ 0.065 χ^2/NDF : 1496.3/19

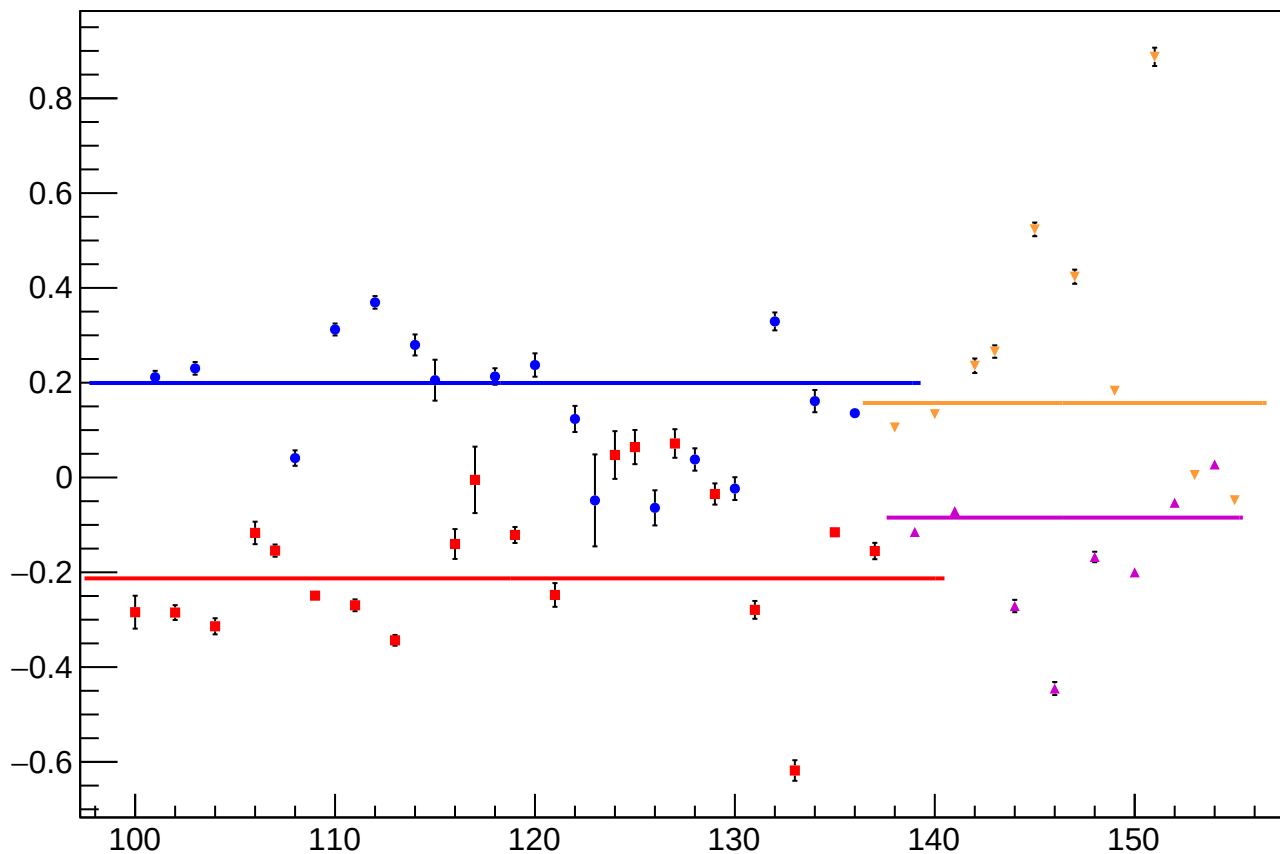
Left In: 1.403 $\pm$ 0.066 χ^2/NDF : 1123.2/7

-1.687 $\pm$ 0.051 χ^2/NDF : 2963.0/26

0.065 $\pm$ 0.035 χ^2/NDF : 7696.0/54

1.498 $\pm$ 0.047 χ^2/NDF : 2623.6/27

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.199 ± 0.004 χ^2/NDF : 662.1/16

Left Out: 0.157 ± 0.003 χ^2/NDF : 3462.3/9

Right Out: -0.213 ± 0.004 χ^2/NDF : 1057.0/19

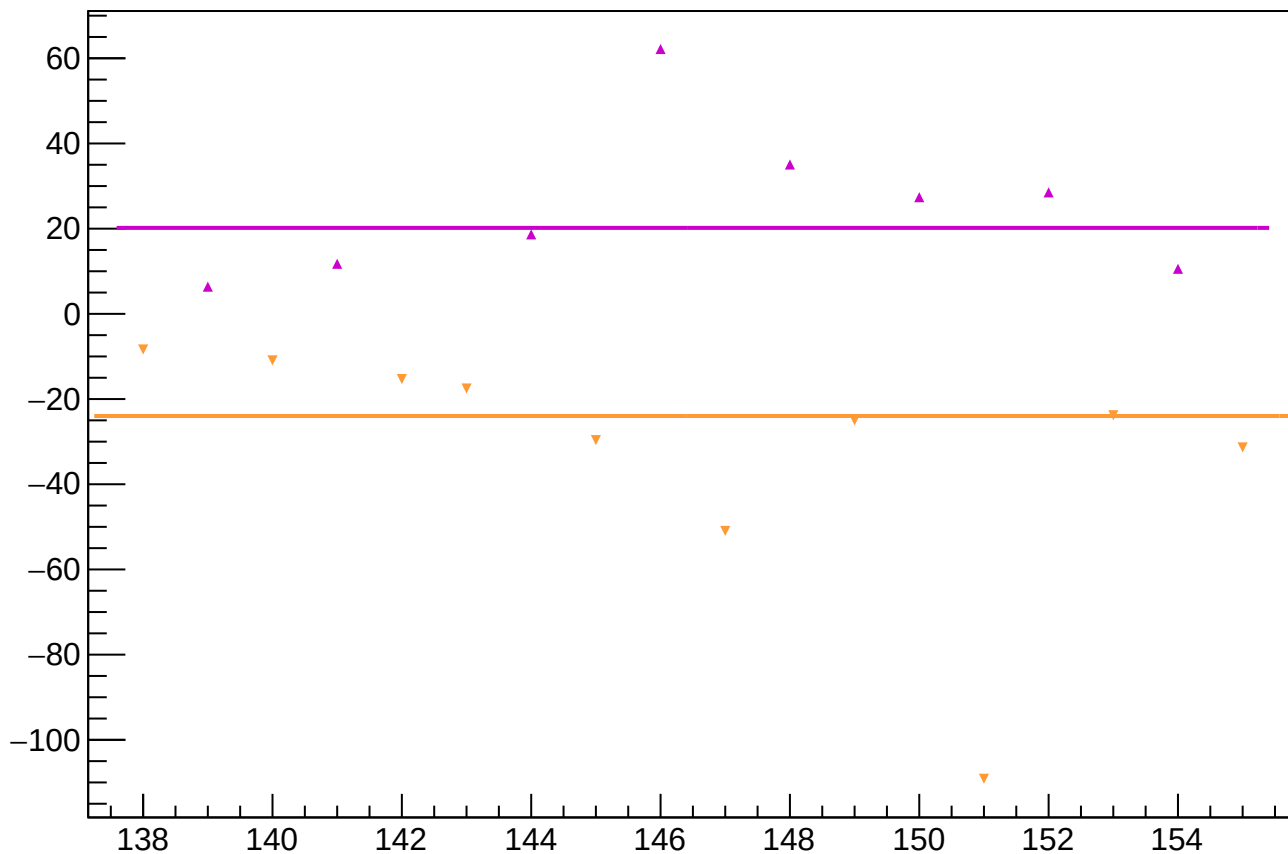
Left In: -0.085 ± 0.003 χ^2/NDF : 1651.4/7

0.174 ± 0.003 χ^2/NDF : 4186.3/26

-0.001 ± 0.002 χ^2/NDF : 15440.6/54

-0.135 ± 0.002 χ^2/NDF : 3450.1/27

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: -23.982+/-0.088 χ^2/NDF : 49685.9/9

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

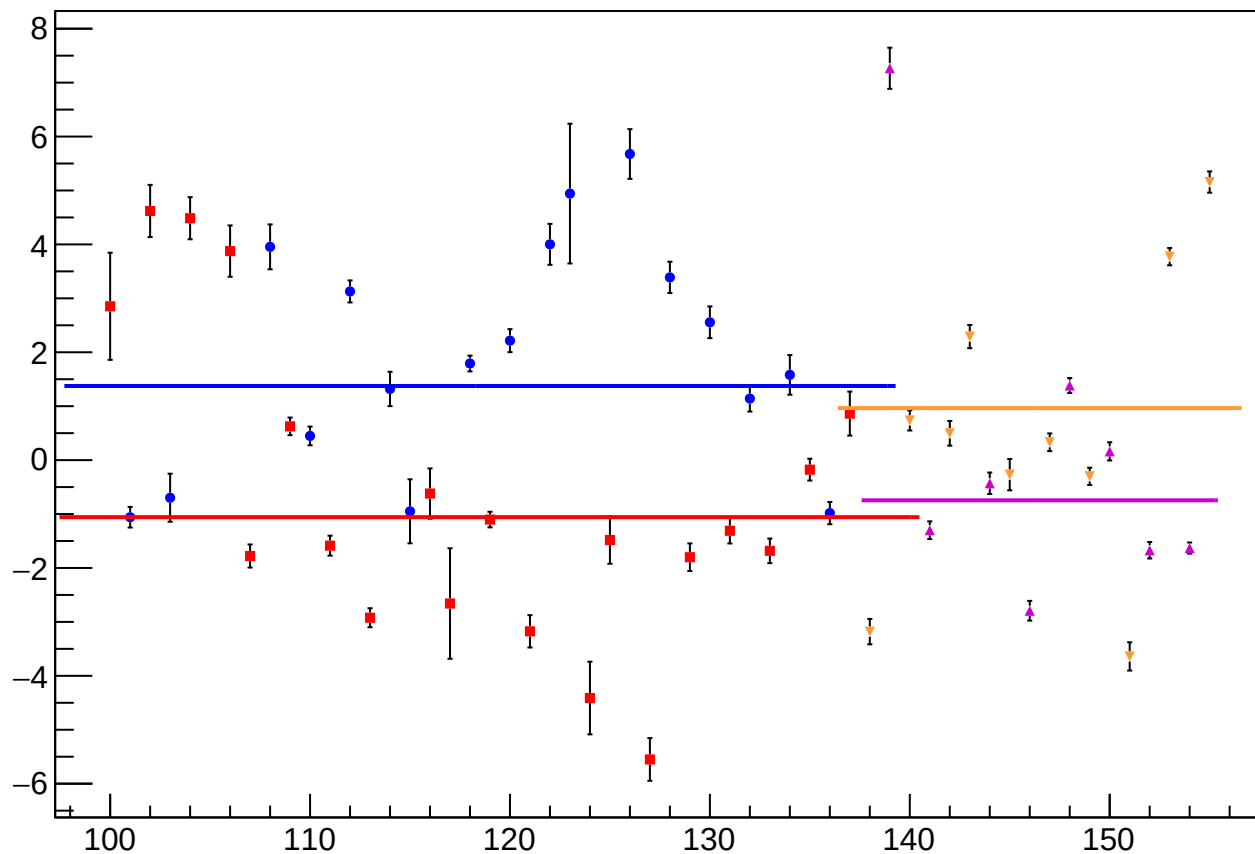
Left In: 20.185+/-0.080 χ^2/NDF : 32562.3/7

-23.982+/-0.088 χ^2/NDF : 49685.9/9

0.042+/-0.059 χ^2/NDF : 220710.3/17

20.185+/-0.080 χ^2/NDF : 32562.3/7

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.375 ± 0.062 $\chi^2/\text{NDF}: 702.4/16$

Left Out: 0.965 ± 0.063 $\chi^2/\text{NDF}: 1513.2/9$

Right Out: -1.058 ± 0.058 $\chi^2/\text{NDF}: 966.5/19$

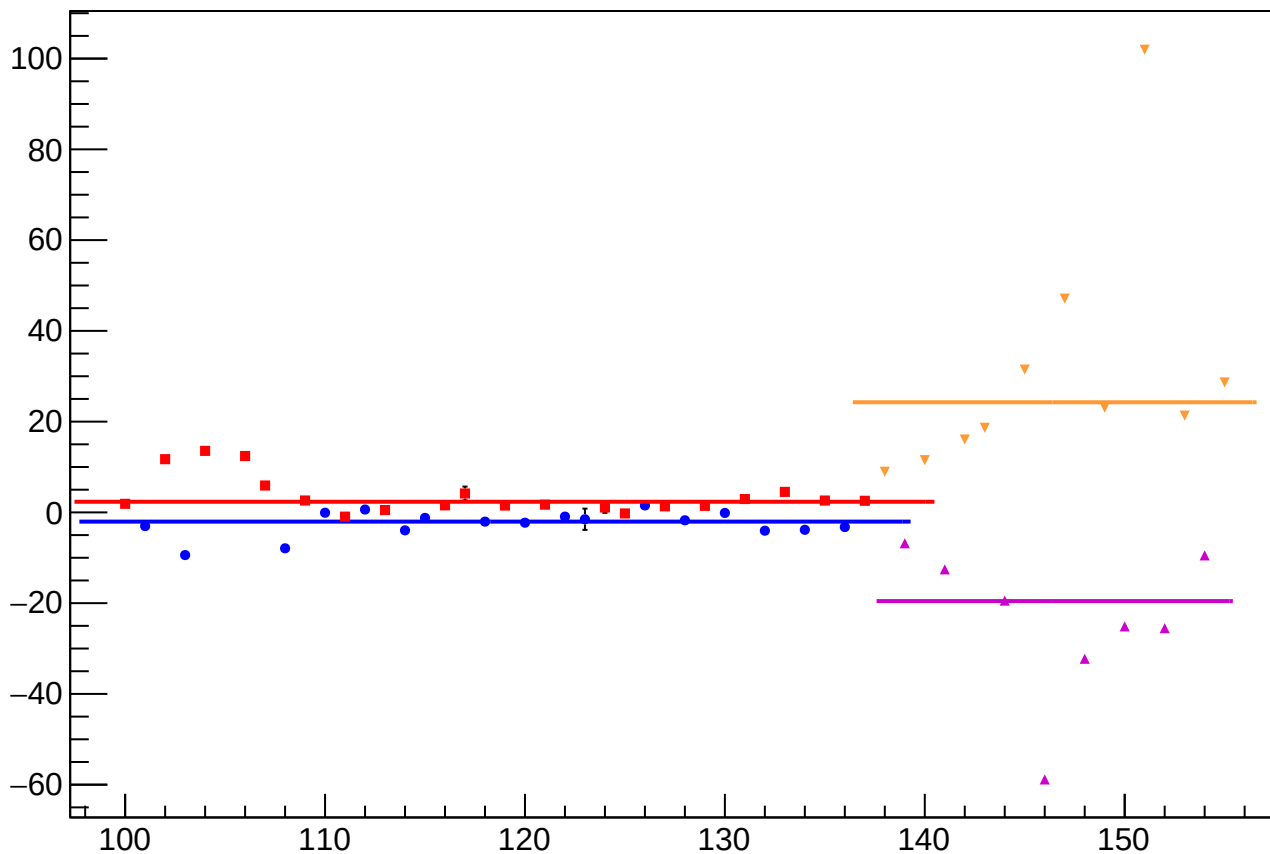
Left In: -0.745 ± 0.056 $\chi^2/\text{NDF}: 953.1/7$

1.172 ± 0.044 $\chi^2/\text{NDF}: 2237.3/26$

0.042 ± 0.030 $\chi^2/\text{NDF}: 5375.1/54$

-0.895 ± 0.040 $\chi^2/\text{NDF}: 1934.7/27$

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.031 ± 0.111 χ^2/NDF : 463.2/16

Left Out: 24.270 ± 0.088 χ^2/NDF : 43924.6/9

Right Out: 2.344 ± 0.099 χ^2/NDF : 903.4/19

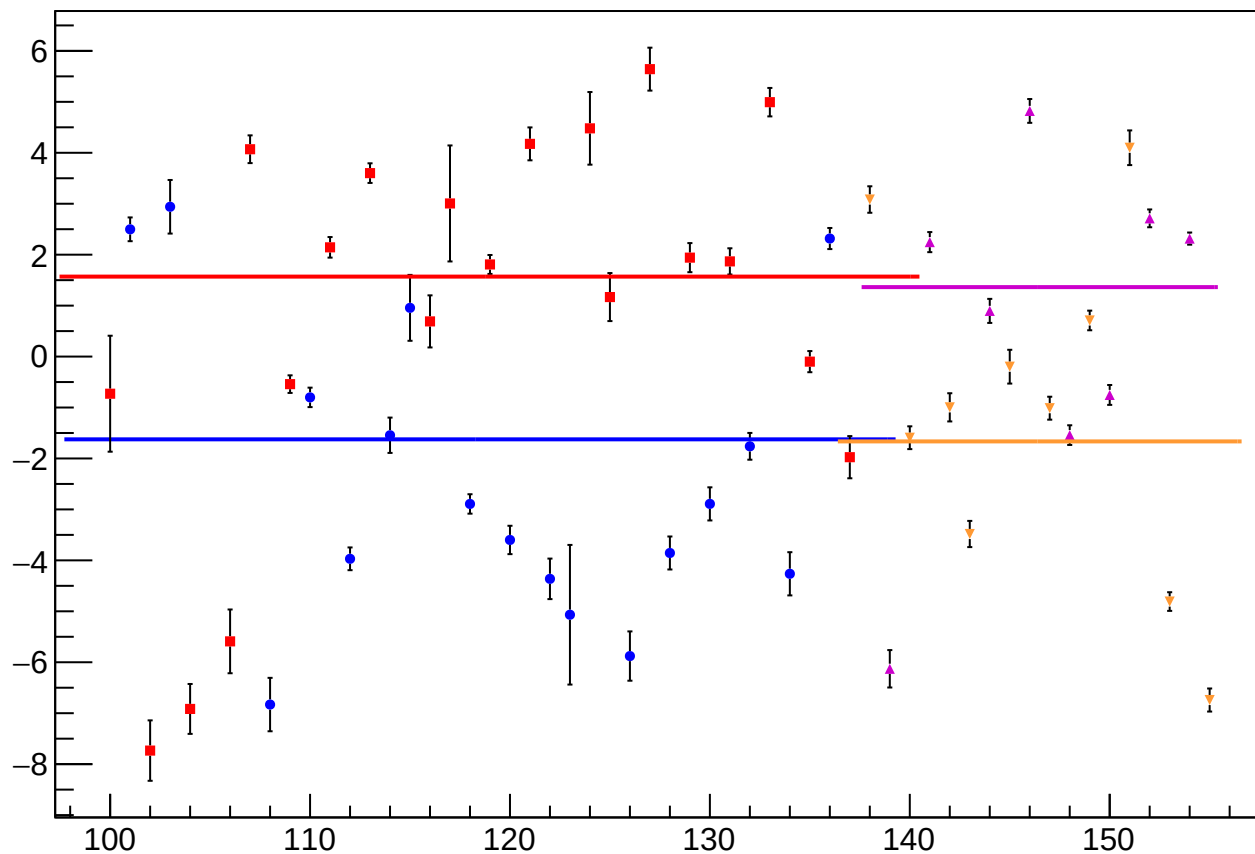
Left In: -19.544 ± 0.078 χ^2/NDF : 29920.9/7

14.207 ± 0.069 χ^2/NDF : 78861.0/26

0.097 ± 0.046 χ^2/NDF : 215206.2/54

-11.099 ± 0.061 χ^2/NDF : 61009.1/27

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.625 ± 0.071 $\chi^2/\text{NDF}: 1320.8/16$

Left Out: -1.665 ± 0.075 $\chi^2/\text{NDF}: 1654.1/9$

Right Out: 1.570 ± 0.065 $\chi^2/\text{NDF}: 1507.4/19$

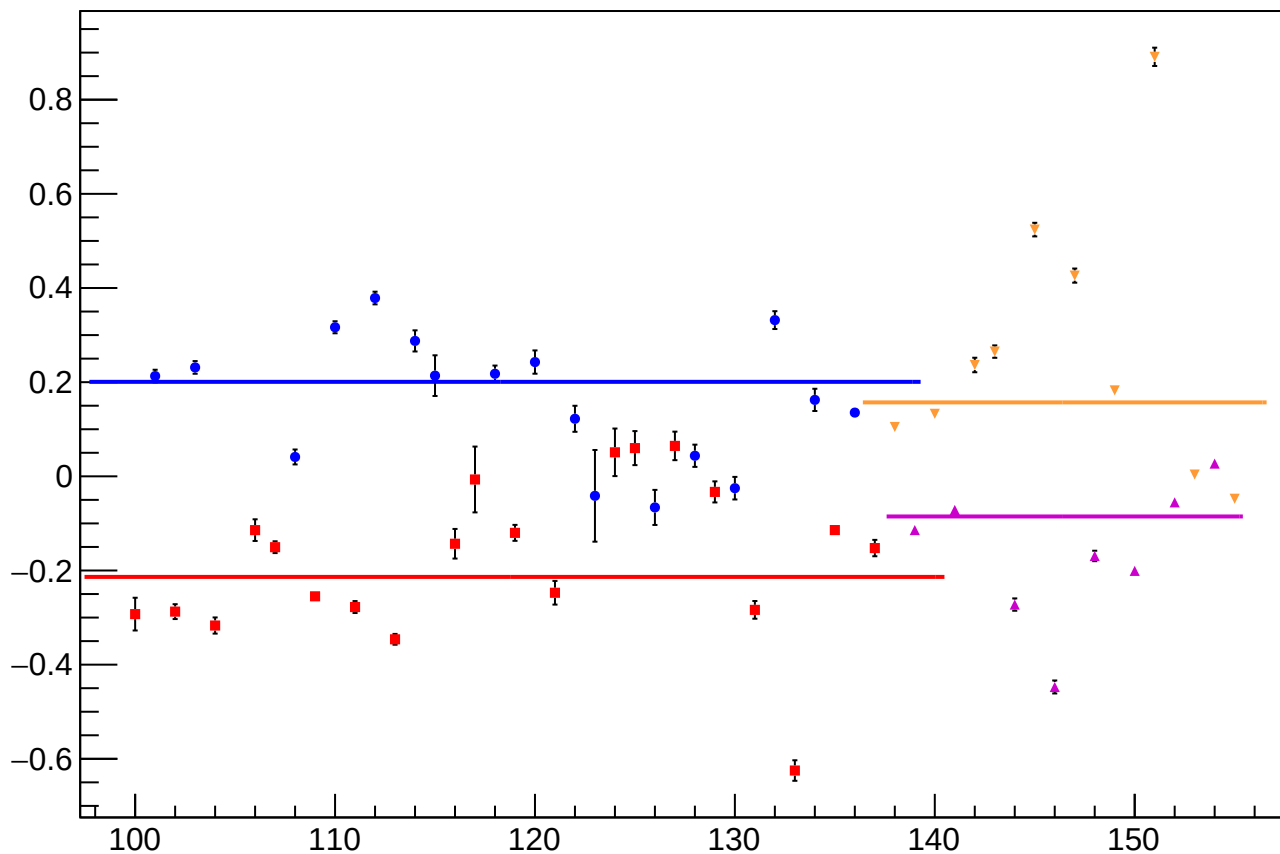
Left In: 1.363 ± 0.067 $\chi^2/\text{NDF}: 1126.1/7$

-1.644 ± 0.052 $\chi^2/\text{NDF}: 2975.0/26$

0.070 ± 0.035 $\chi^2/\text{NDF}: 7610.3/54$

1.468 ± 0.047 $\chi^2/\text{NDF}: 2638.4/27$

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: 0.157 ± 0.003 χ^2/NDF : 3455.1/9

Right Out: -0.214 ± 0.004 χ^2/NDF : 1089.2/19

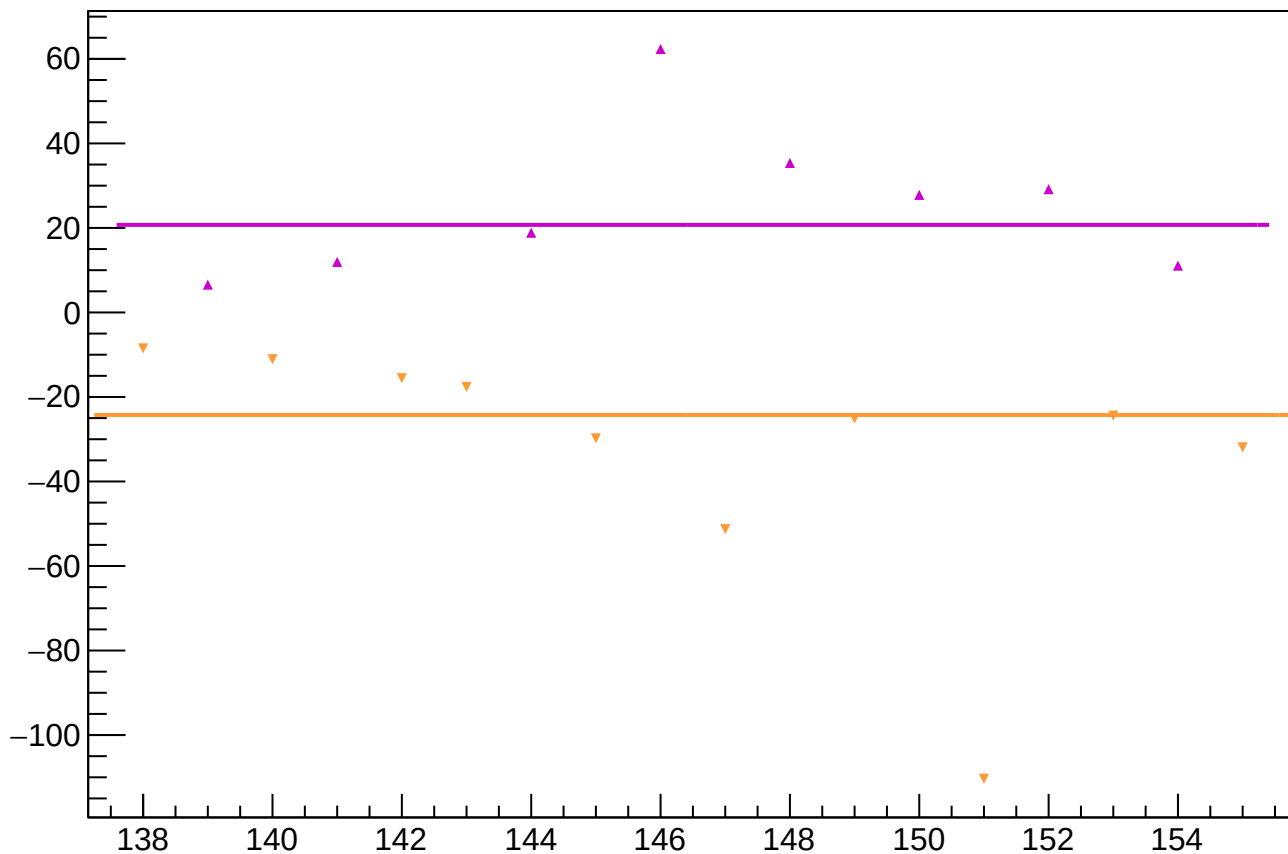
Left In: -0.085 ± 0.003 χ^2/NDF : 1646.0/7

0.175 ± 0.003 χ^2/NDF : 4211.3/26

-0.002 ± 0.002 χ^2/NDF : 15497.5/54

-0.136 ± 0.002 χ^2/NDF : 3474.4/27

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: -24.262+/-0.089 χ^2/NDF : 49612.7/9

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

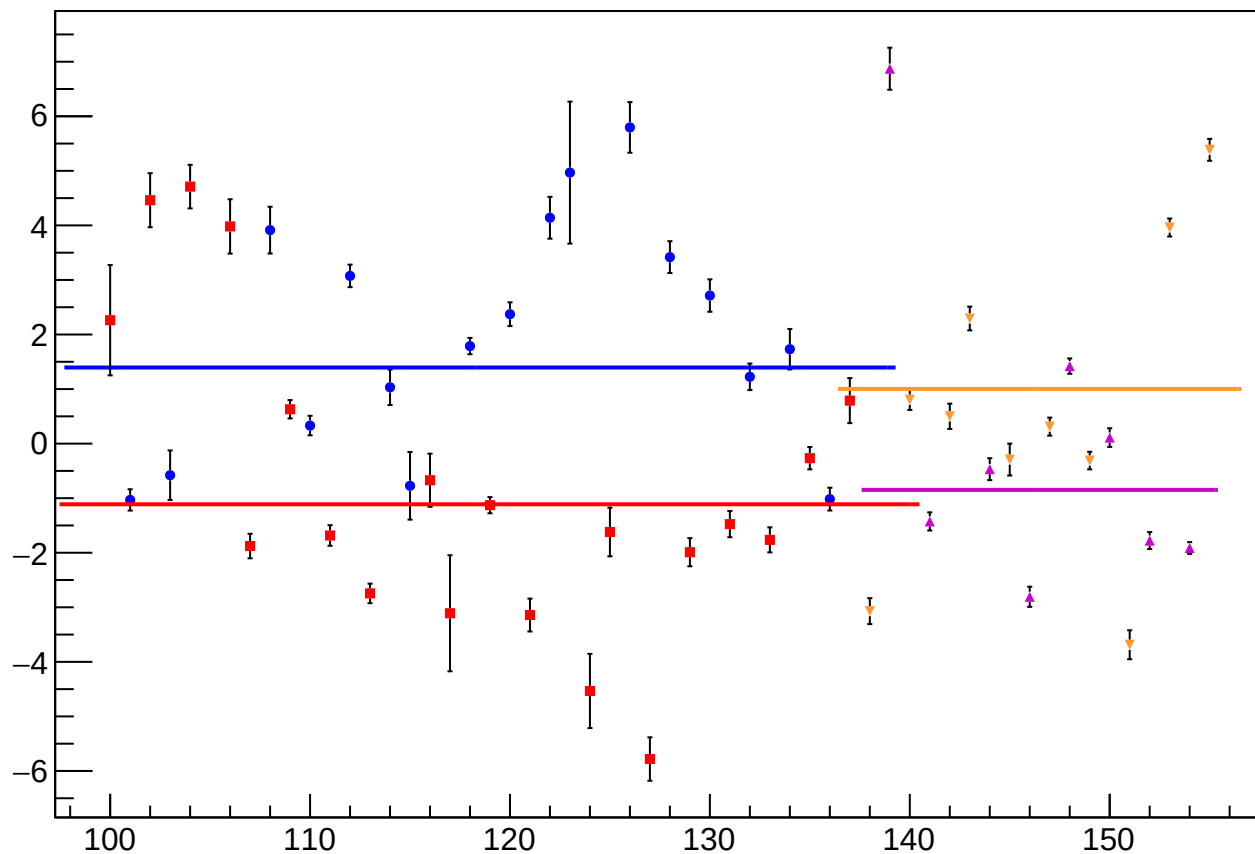
Left In: 20.724+/-0.082 χ^2/NDF : 31739.8/7

-24.262+/-0.089 χ^2/NDF : 49612.7/9

0.015+/-0.060 χ^2/NDF : 220460.6/17

20.724+/-0.082 χ^2/NDF : 31739.8/7

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.395 ± 0.063 $\chi^2/\text{NDF}: 701.4/16$

Left Out: 1.003 ± 0.063 $\chi^2/\text{NDF}: 1549.2/9$

Right Out: -1.112 ± 0.059 $\chi^2/\text{NDF}: 940.5/19$

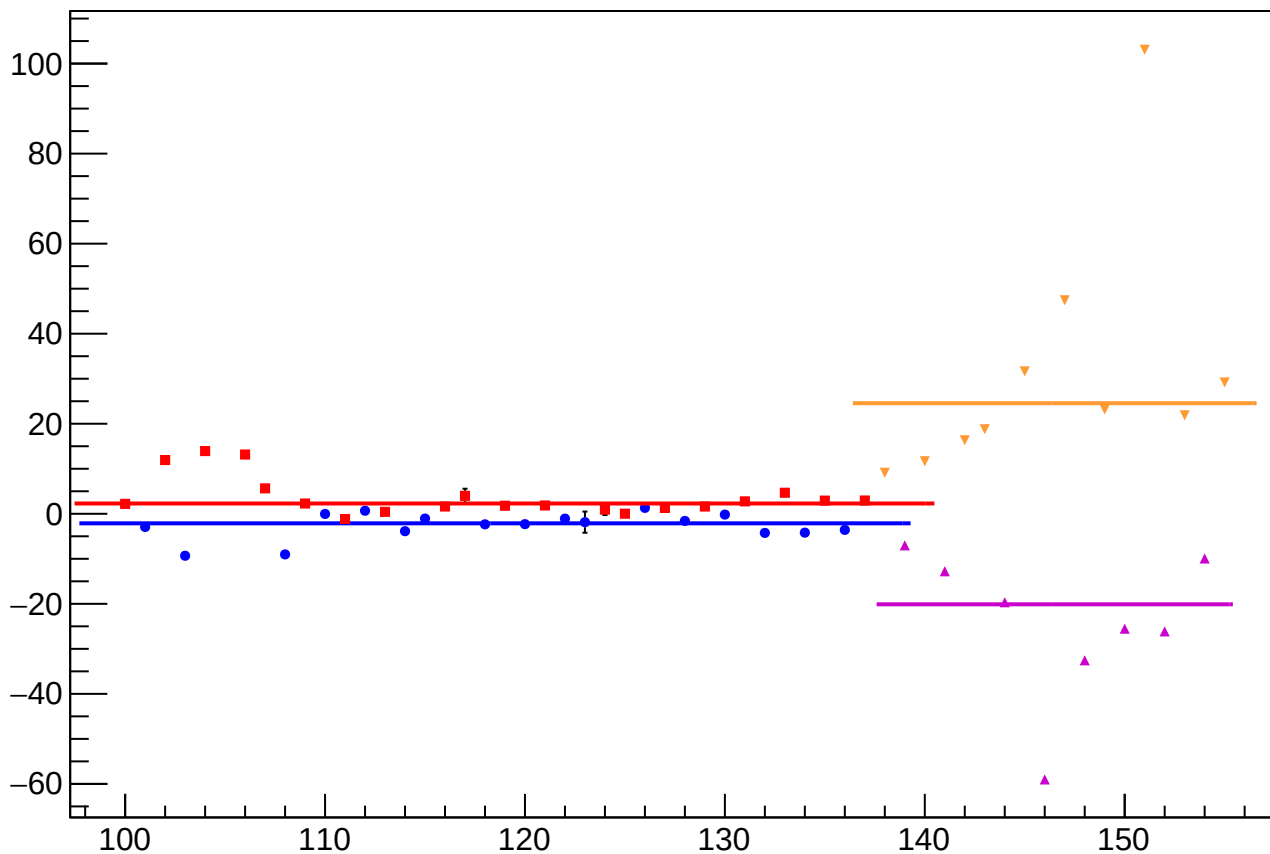
Left In: -0.848 ± 0.057 $\chi^2/\text{NDF}: 954.3/7$

1.200 ± 0.045 $\chi^2/\text{NDF}: 2269.9/26$

0.018 ± 0.030 $\chi^2/\text{NDF}: 5459.6/54$

-0.975 ± 0.041 $\chi^2/\text{NDF}: 1905.1/27$

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: 24.568 ± 0.089 $\chi^2/\text{NDF}: 43817.7/9$

Right Out: 2.284 ± 0.101 $\chi^2/\text{NDF}: 920.6/19$

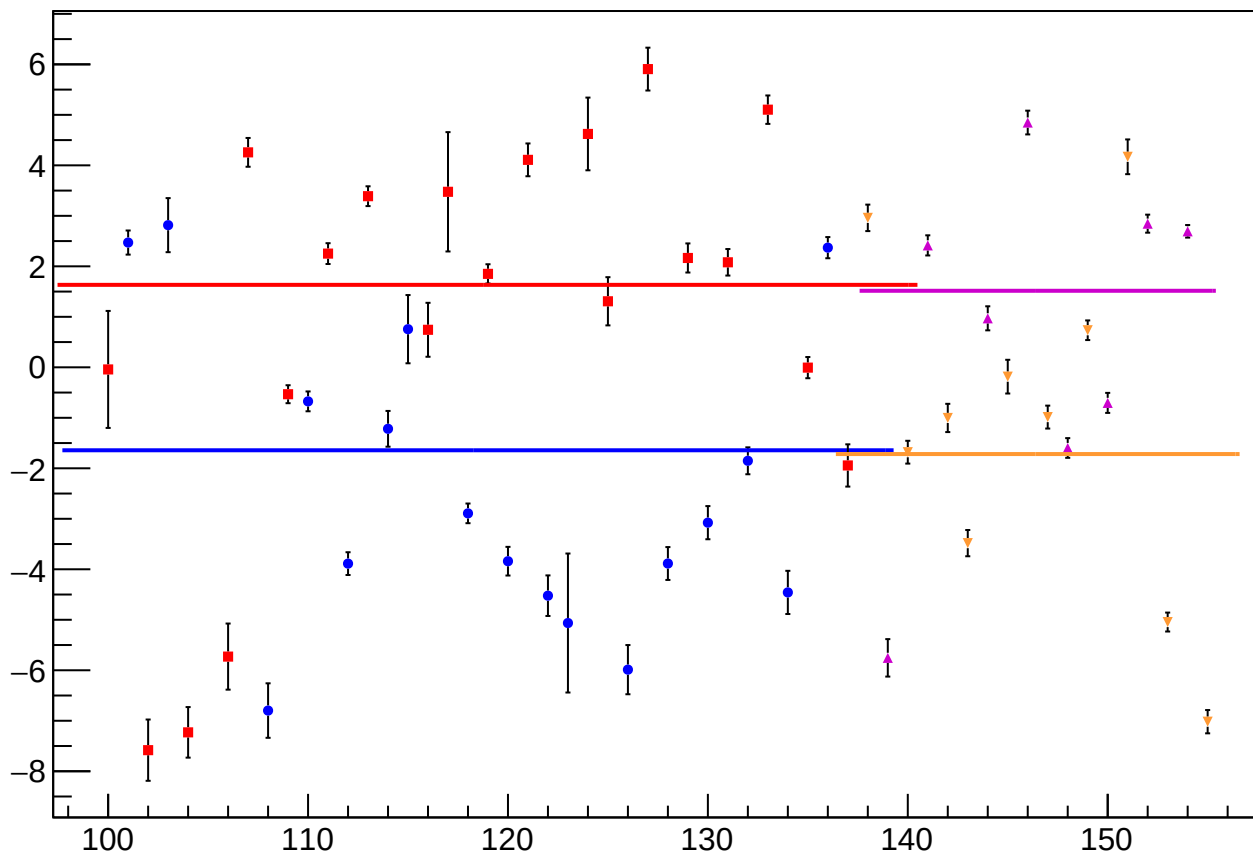
Left In: -20.108 ± 0.080 $\chi^2/\text{NDF}: 29006.4/7$

14.424 ± 0.070 $\chi^2/\text{NDF}: 78696.1/26$

0.080 ± 0.047 $\chi^2/\text{NDF}: 214979.9/54$

-11.461 ± 0.063 $\chi^2/\text{NDF}: 60198.6/27$

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: -1.718+/-0.076 χ^2/NDF : 1698.0/9

Right Out: 1.633+/-0.067 χ^2/NDF : 1470.6/19

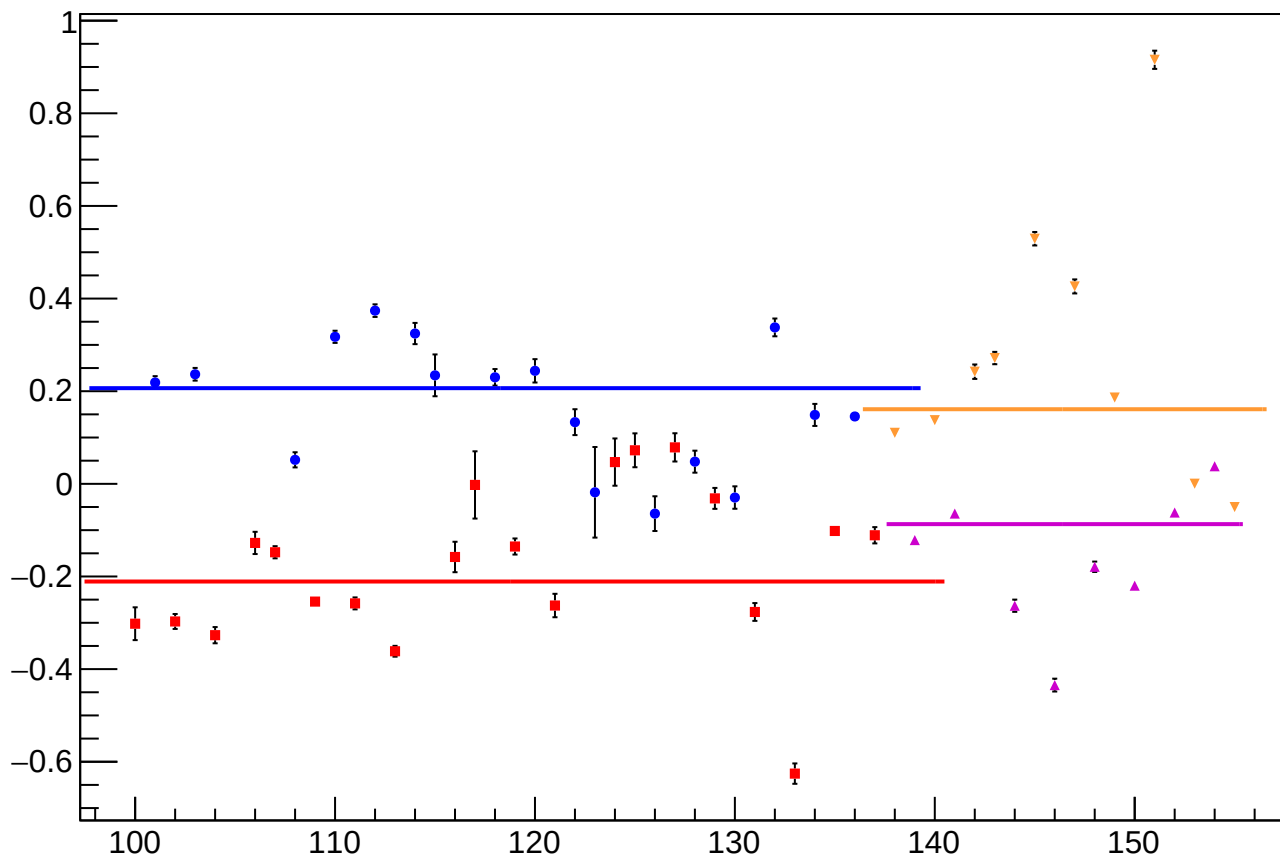
Left In: 1.516+/-0.068 χ^2/NDF : 1134.7/7

-1.679+/-0.052 χ^2/NDF : 3008.6/26

0.103+/-0.035 χ^2/NDF : 7721.7/54

1.576+/-0.048 χ^2/NDF : 2606.8/27

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: 0.161 ± 0.003 χ^2/NDF : 3515.3/9

Right Out: -0.211 ± 0.004 χ^2/NDF : 1153.8/19

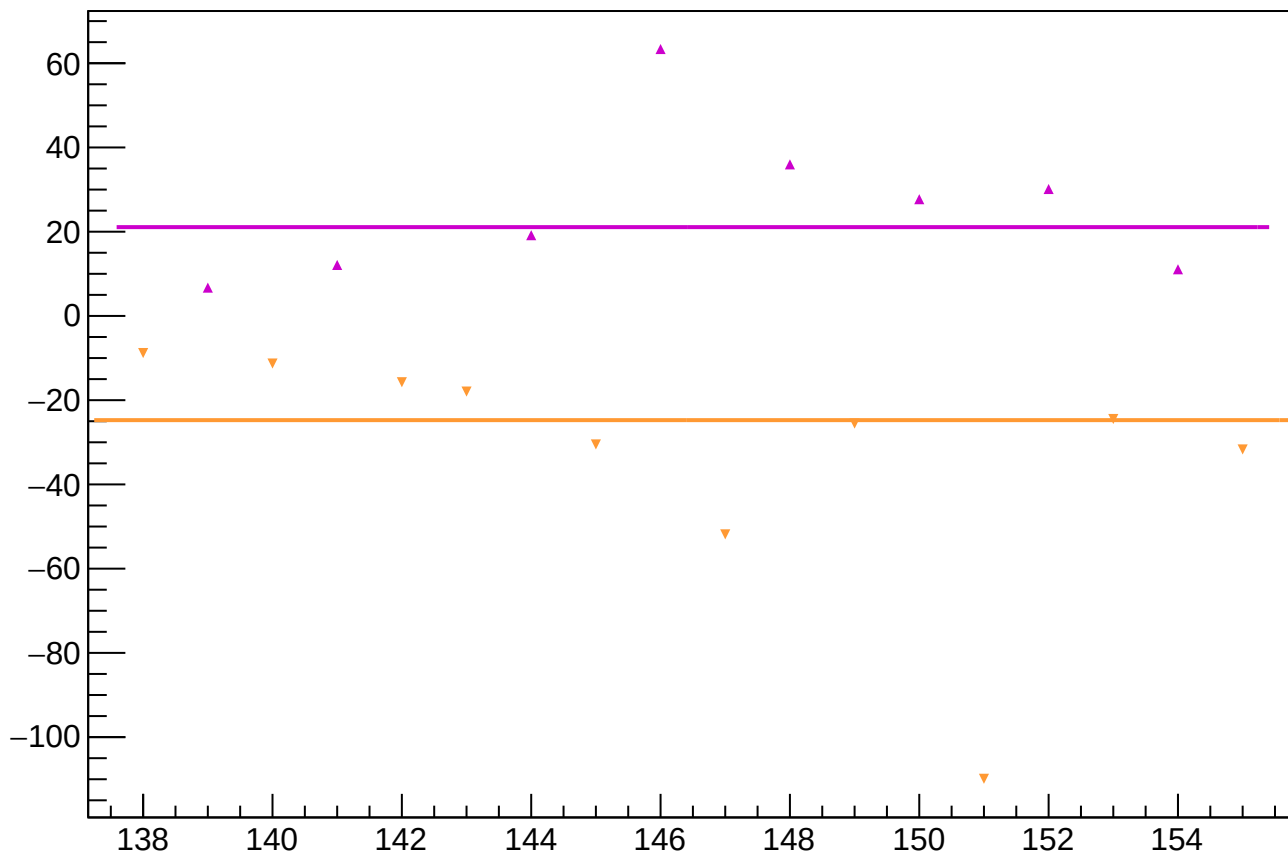
Left In: -0.087 ± 0.003 χ^2/NDF : 1681.3/7

0.180 ± 0.003 χ^2/NDF : 4239.2/26

0.001 ± 0.002 χ^2/NDF : 15503.7/54

-0.136 ± 0.002 χ^2/NDF : 3494.6/27

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: -24.740+/-0.090 χ^2/NDF : 48766.4/9

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

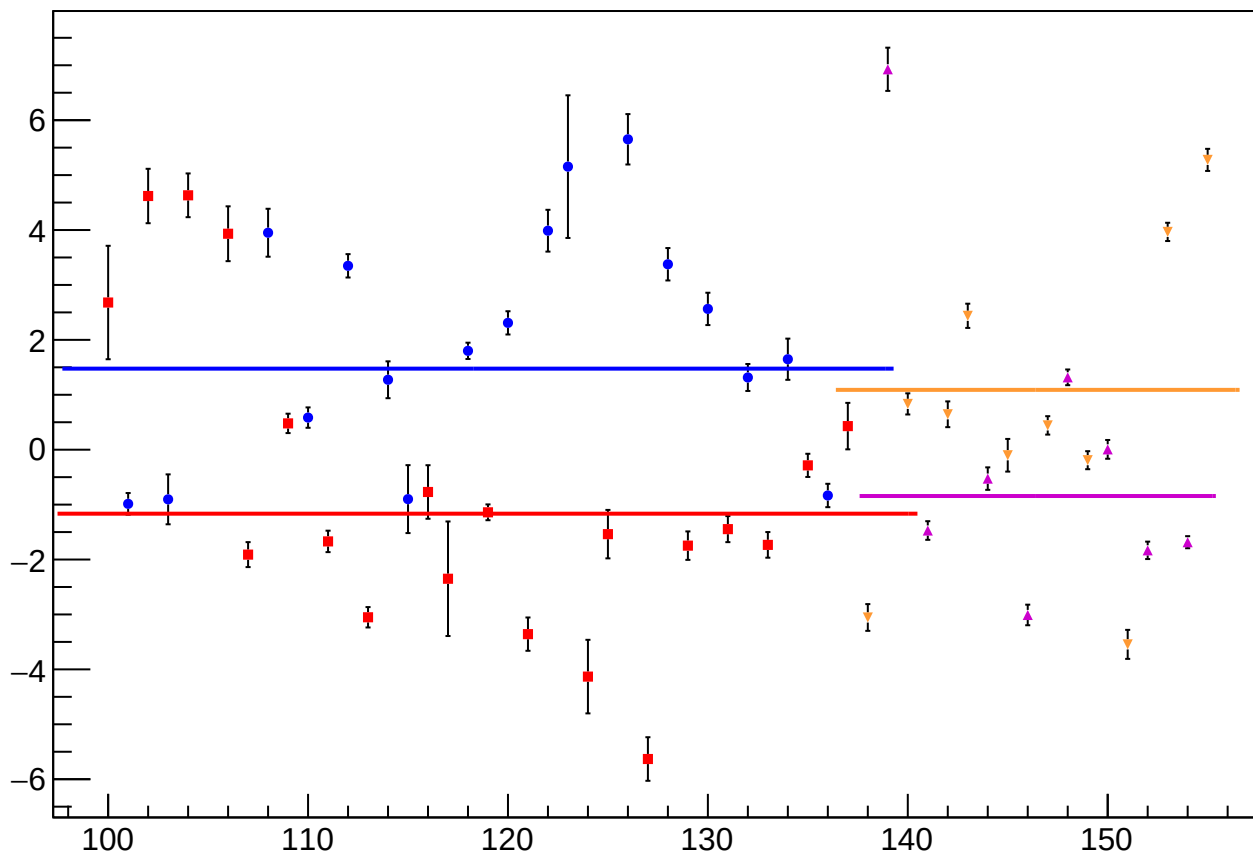
Left In: 21.086+/-0.083 χ^2/NDF : 31882.5/7

-24.740+/-0.090 χ^2/NDF : 48766.4/9

-0.040+/-0.061 χ^2/NDF : 220384.0/17

21.086+/-0.083 χ^2/NDF : 31882.5/7

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: 1.089 ± 0.064 χ^2/NDF : 1464.4/9

Right Out: -1.165 ± 0.060 χ^2/NDF : 919.2/19

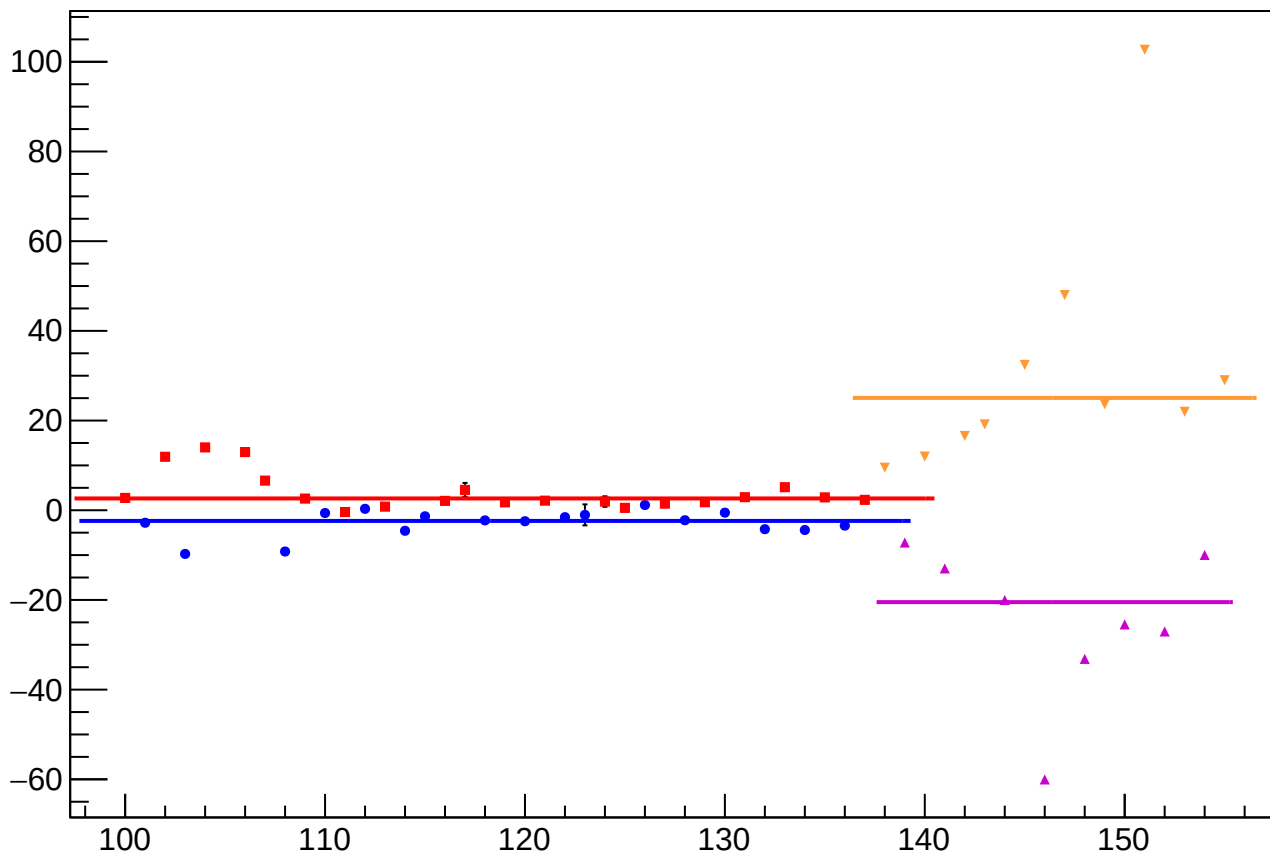
Left In: -0.843 ± 0.058 χ^2/NDF : 889.9/7

1.285 ± 0.045 χ^2/NDF : 2142.3/26

0.048 ± 0.031 χ^2/NDF : 5347.9/54

-0.999 ± 0.042 χ^2/NDF : 1824.0/27

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.380 ± 0.115 $\chi^2/\text{NDF}: 438.8/16$

Left Out: 25.053 ± 0.090 $\chi^2/\text{NDF}: 43080.5/9$

Right Out: 2.631 ± 0.103 $\chi^2/\text{NDF}: 842.8/19$

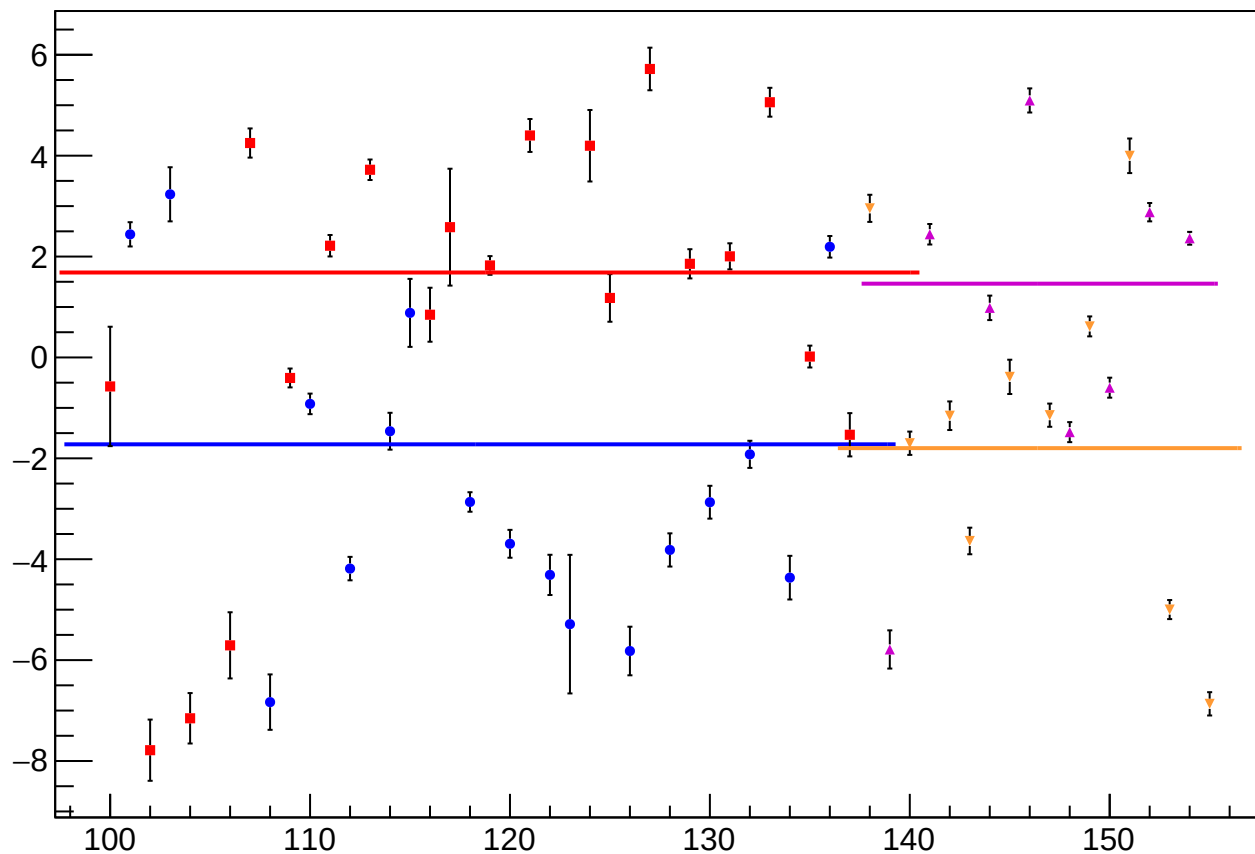
Left In: -20.489 ± 0.081 $\chi^2/\text{NDF}: 29140.0/7$

14.630 ± 0.071 $\chi^2/\text{NDF}: 78786.4/26$

0.136 ± 0.047 $\chi^2/\text{NDF}: 215453.6/54$

-11.613 ± 0.064 $\chi^2/\text{NDF}: 61007.6/27$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.722 ± 0.073 $\chi^2/\text{NDF}: 1247.6/16$

Left Out: -1.798 ± 0.077 $\chi^2/\text{NDF}: 1595.0/9$

Right Out: 1.684 ± 0.068 $\chi^2/\text{NDF}: 1431.6/19$

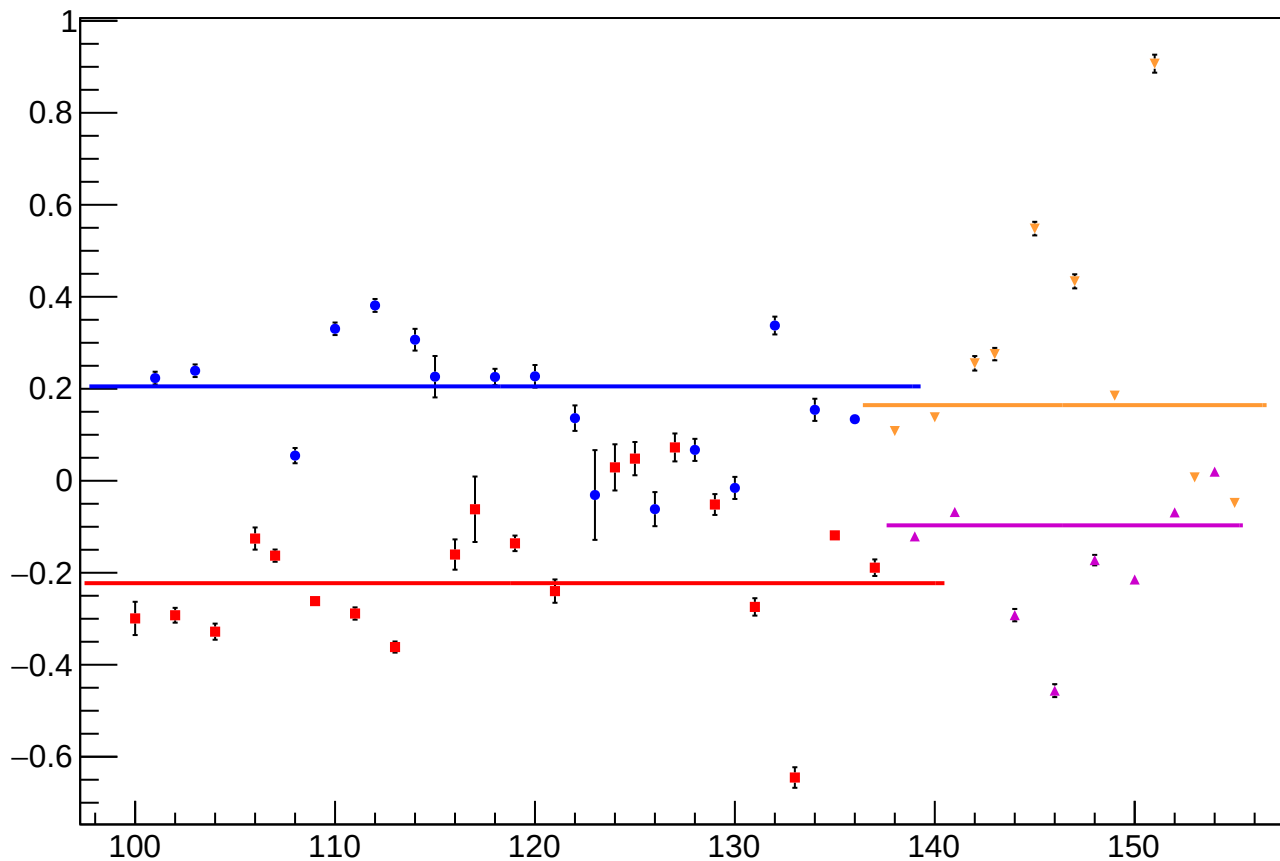
Left In: 1.462 ± 0.069 $\chi^2/\text{NDF}: 1063.3/7$

-1.758 ± 0.053 $\chi^2/\text{NDF}: 2843.1/26$

0.061 ± 0.036 $\chi^2/\text{NDF}: 7494.6/54$

1.575 ± 0.048 $\chi^2/\text{NDF}: 2500.1/27$

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: 0.164 ± 0.004 χ^2/NDF : 3504.7/9

Right Out: -0.223 ± 0.004 χ^2/NDF : 1045.6/19

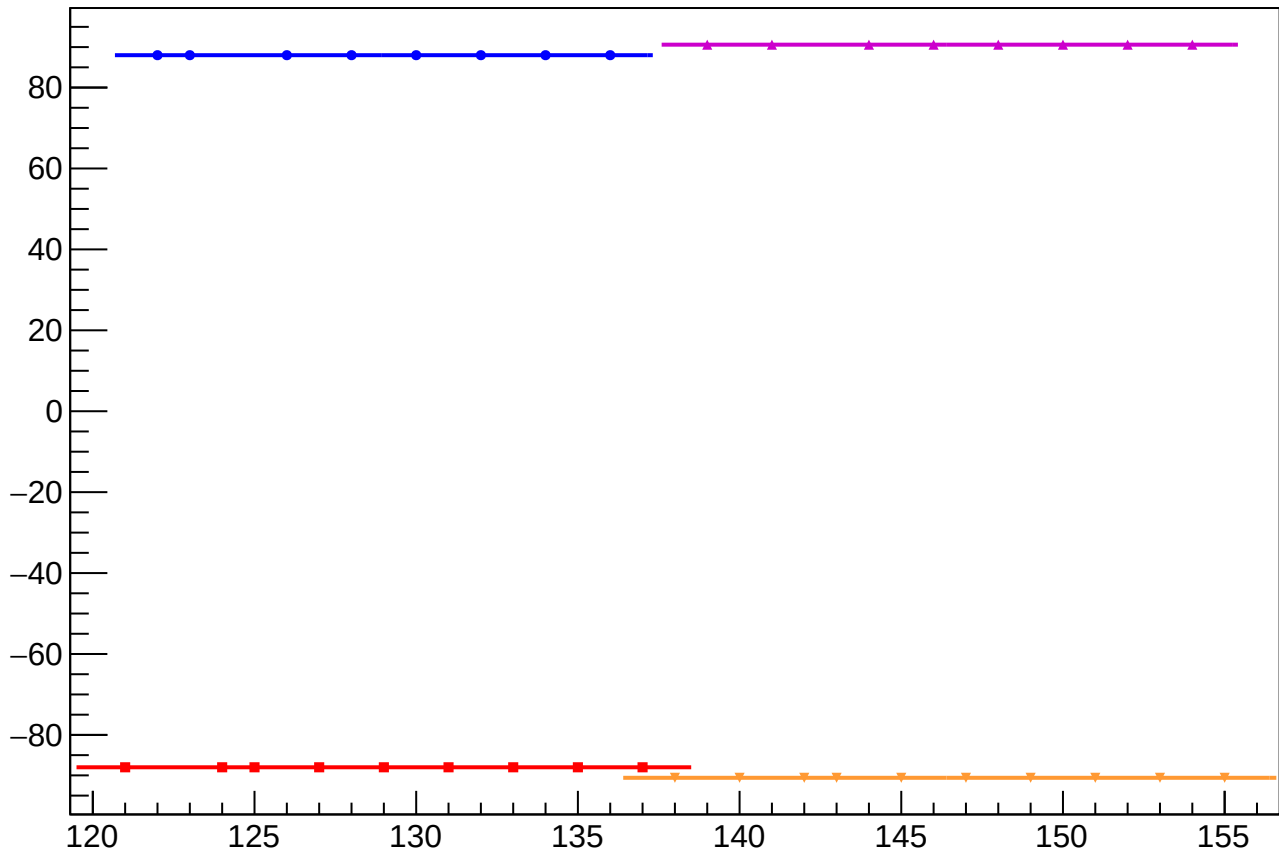
Left In: -0.097 ± 0.003 χ^2/NDF : 1573.6/7

0.181 ± 0.003 χ^2/NDF : 4209.3/26

-0.003 ± 0.002 χ^2/NDF : 15588.6/54

-0.146 ± 0.002 χ^2/NDF : 3272.9/27

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF : 714089.5/7

Left Out: -90.599+/-0.000 χ^2/NDF : 3264495.8/9

Right Out: -88.001+/-0.000 χ^2/NDF : 109456.0/8

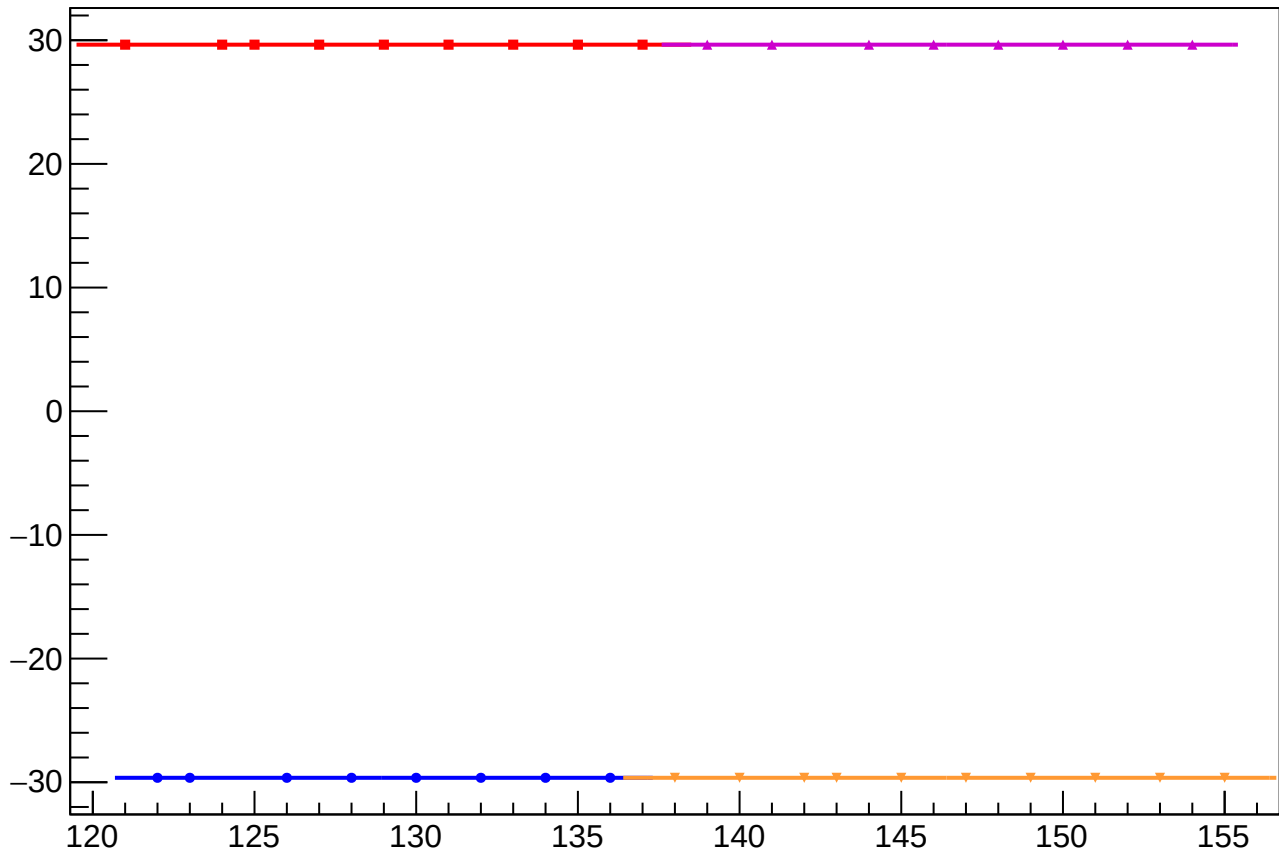
Left In: 90.599+/-0.000 χ^2/NDF : 498408.6/7

-35.071+/-0.000 χ^2/NDF : 75173632350545391

-2.314+/-0.000 χ^2/NDF : 16927471578320

33.683+/-0.000 χ^2/NDF : 693272365802196596

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.641 $\pm$ 0.000 χ^2 /NDF: 405045.4/7

Left Out: -29.641 $\pm$ 0.000 χ^2 /NDF: 174559.1/9

Right Out: 29.641 $\pm$ 0.000 χ^2 /NDF: 29358.2/8

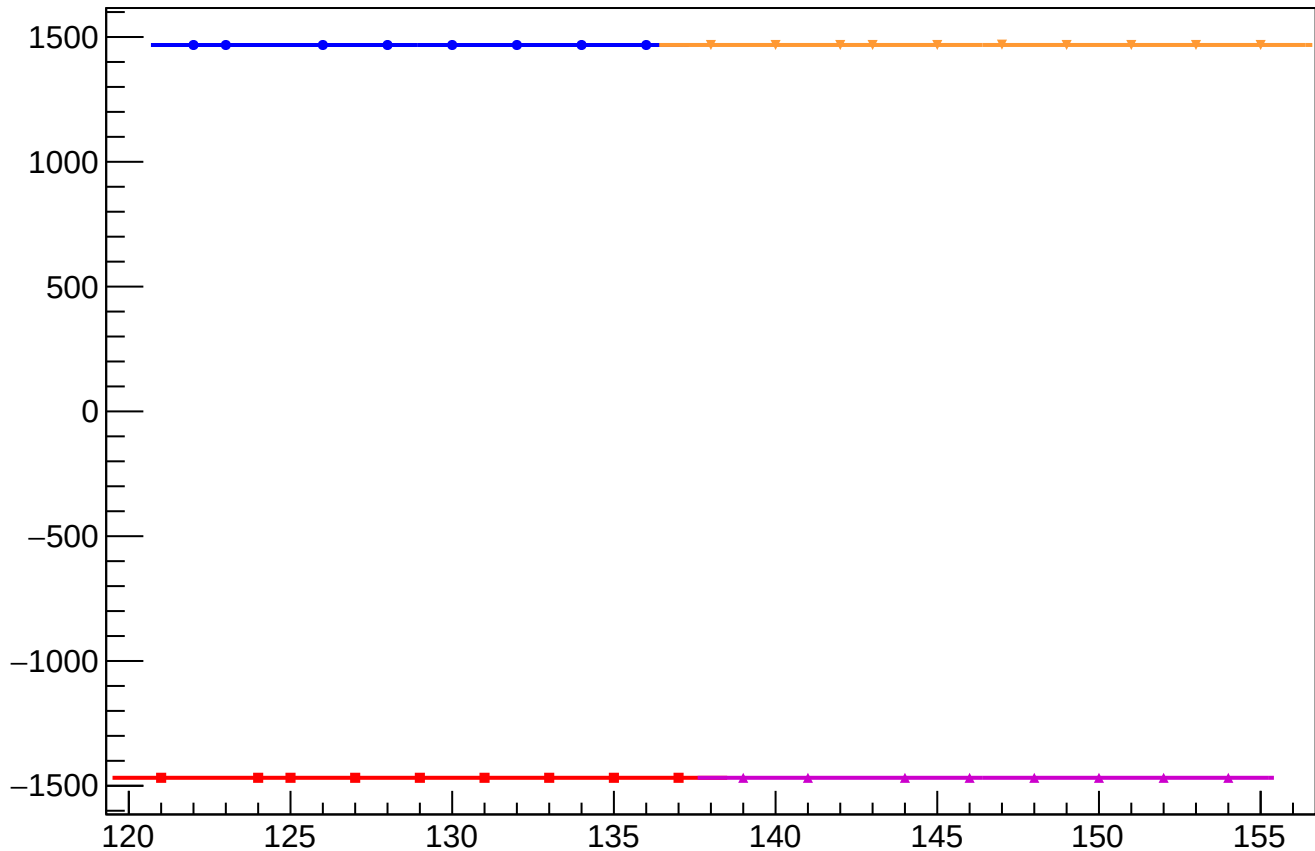
Left In: 29.641 $\pm$ 0.000 χ^2 /NDF: 38509.0/7

-29.641 $\pm$ 0.000 χ^2 /NDF: 987136.4/17

-1.397 $\pm$ 0.000 χ^2 /NDF: 1841779796913

29.641 $\pm$ 0.000 χ^2 /NDF: 1314898.6/16

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1467.979+/-0.000 χ^2/NDF : 436234375.5/7

Left Out: 1468.122+/-0.000 χ^2/NDF : 121080860142079532627365115985920.0/9

Right Out: -1467.979+/-0.000 χ^2/NDF : 83183350.3/8

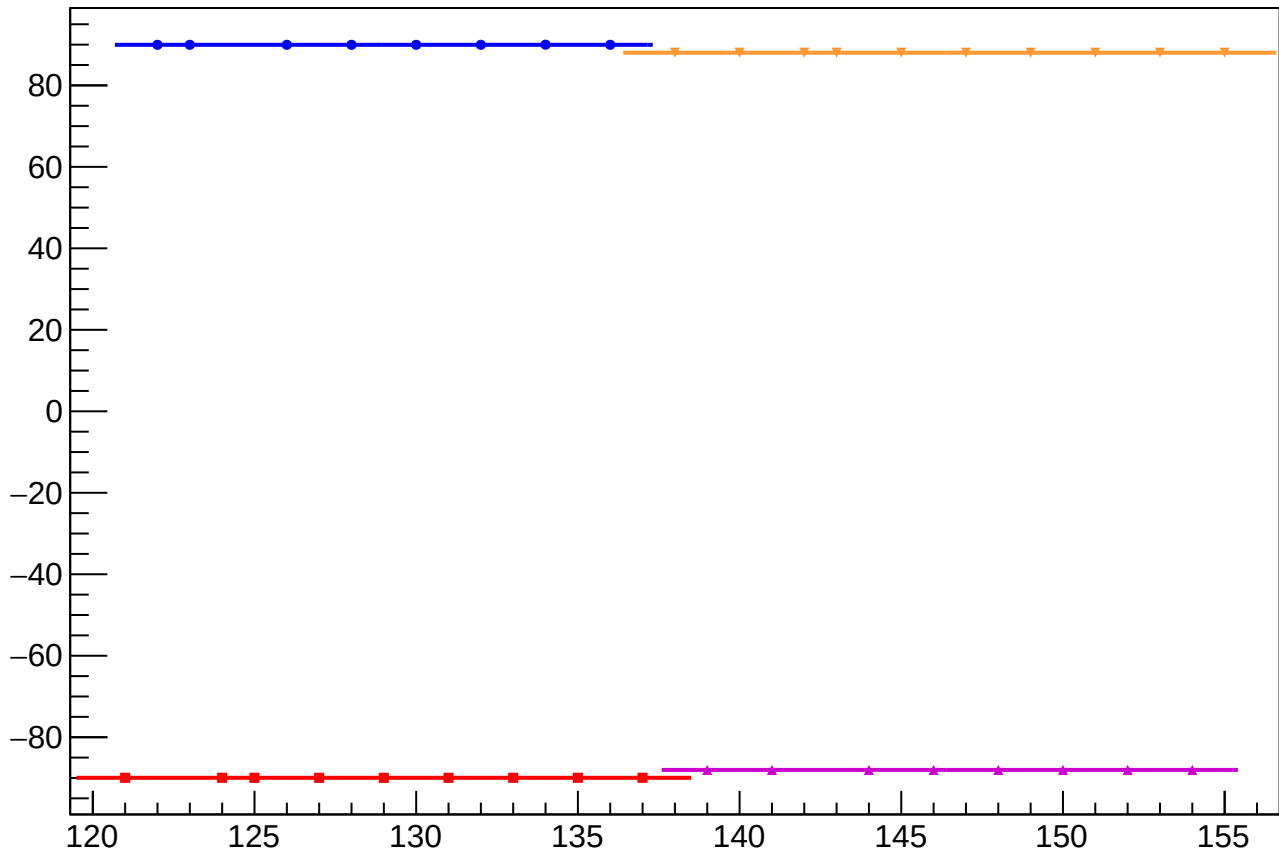
1468.077+/-0.000 χ^2/NDF : 1258626919929705

69.222+/-0.000 χ^2/NDF : 4517838002442

-1467.983+/-0.000 χ^2/NDF : 580219779994321

Left In: -1467.984+/-0.000 χ^2/NDF : 52232258048442224870416187392.0/7

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 : 2950668.0/9

Right Out: -89.959+/-0.000 χ^2/NDF : 331397.3/8

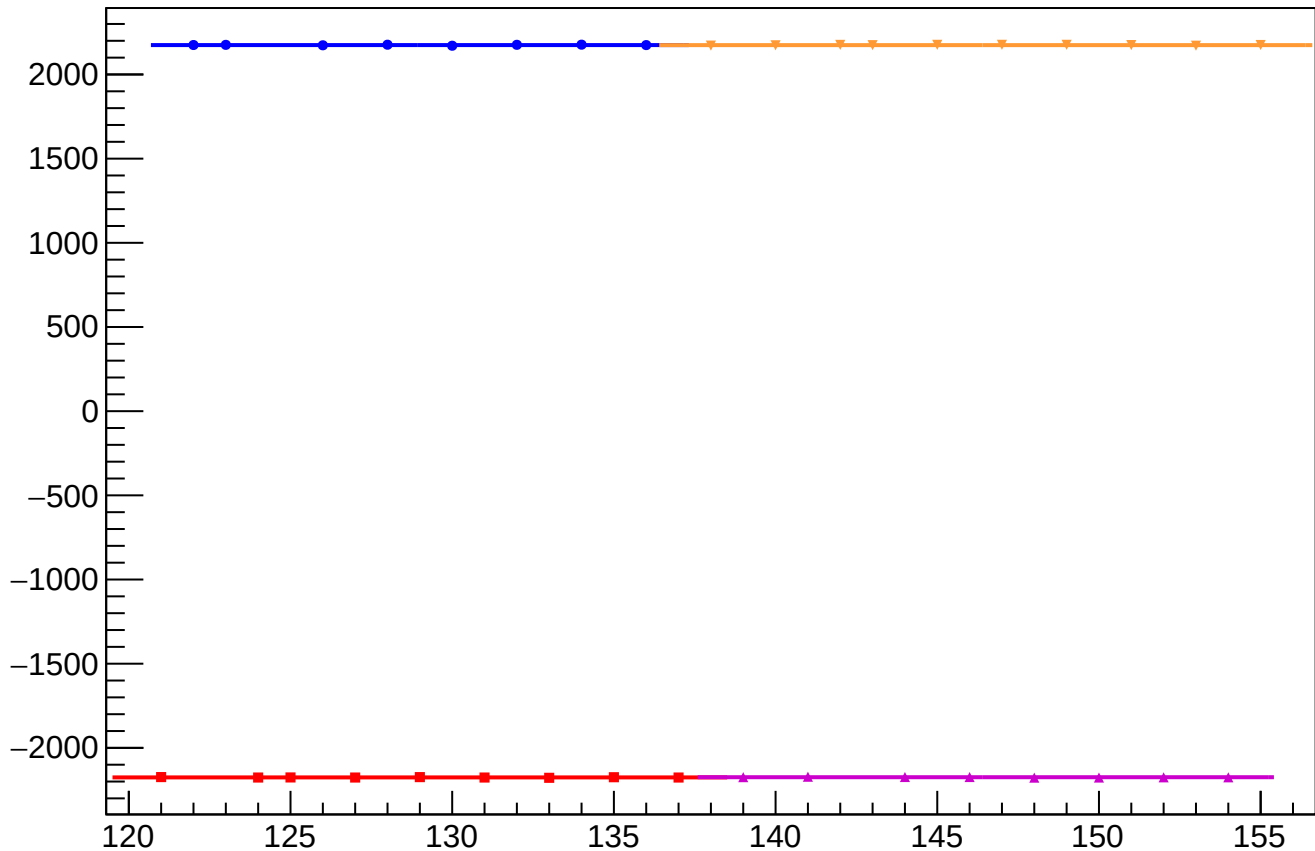
Left In: -88.021+/-0.000 χ^2/NDF : 763163.0/7

88.624+/-0.000 χ^2/NDF : 887555551329214554

4.169+/-0.000 χ^2/NDF : 16469472000698

-88.638+/-0.000 χ^2/NDF : 81679787032172017

HALLA_p_mean vs Slug, Sign Corrected



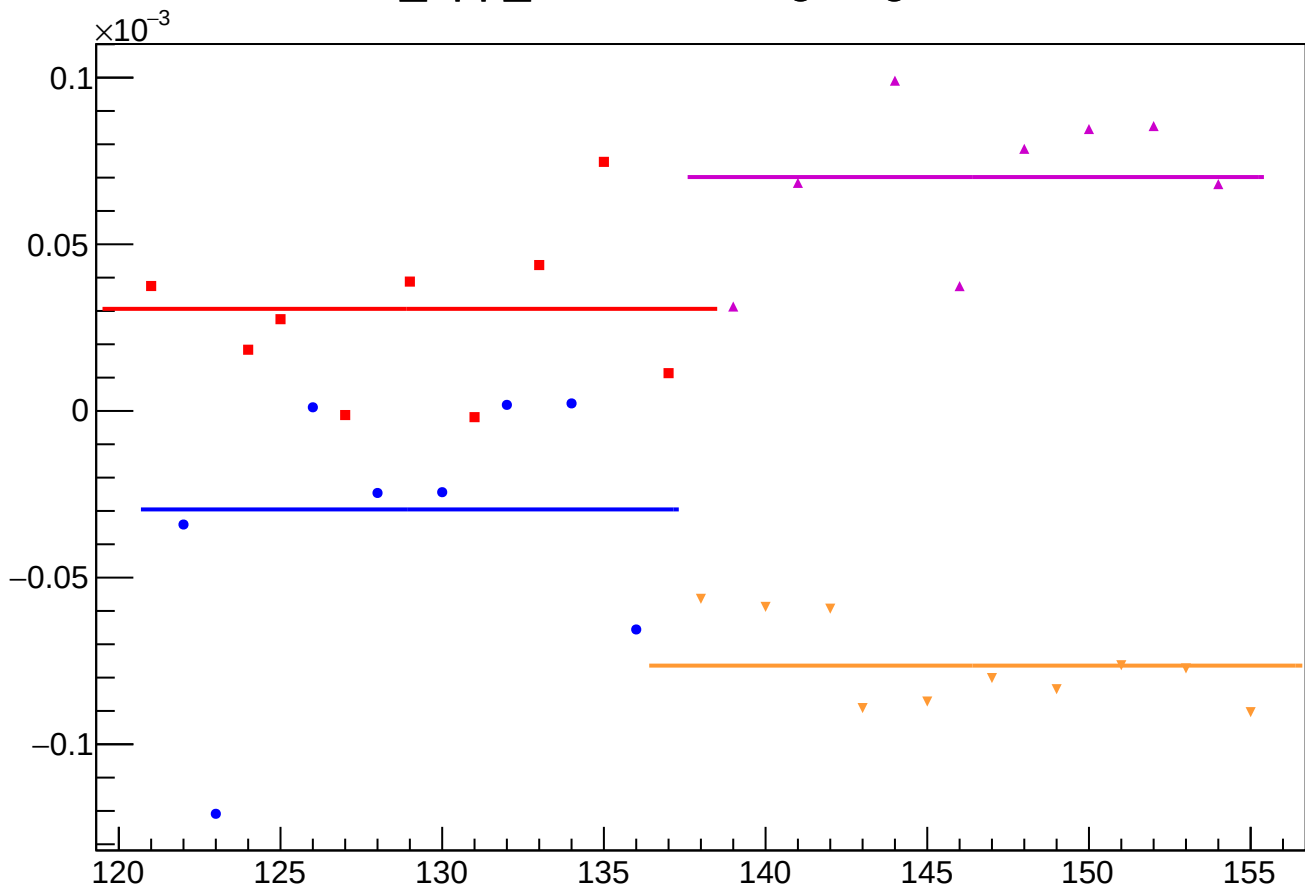
Right In: 2174.572 $\pm$ 0.000 χ^2 /NDF: 1360264074026849381407550448074752.0/7

Left Out: 2174.249 $\pm$ 0.000 χ^2 /NDF: 2719444086184348617152699385774080.0/9

Right Out: -2175.442 $\pm$ 0.000 χ^2 /NDF: 610778445075790556034346524868608.0/8

Left In: -2174.296 $\pm$ 0.000 χ^2 /NDF: 1910567009195525869659680355123200.0/7

HALLA_dpp_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF : 250161267307815387529216.0/7

Left Out: -0.000+/-0.000 χ^2/NDF : 111443996022772206665728.0/9

Right Out: 0.000+/-0.000 χ^2/NDF : 196732771178766734983168.0/8

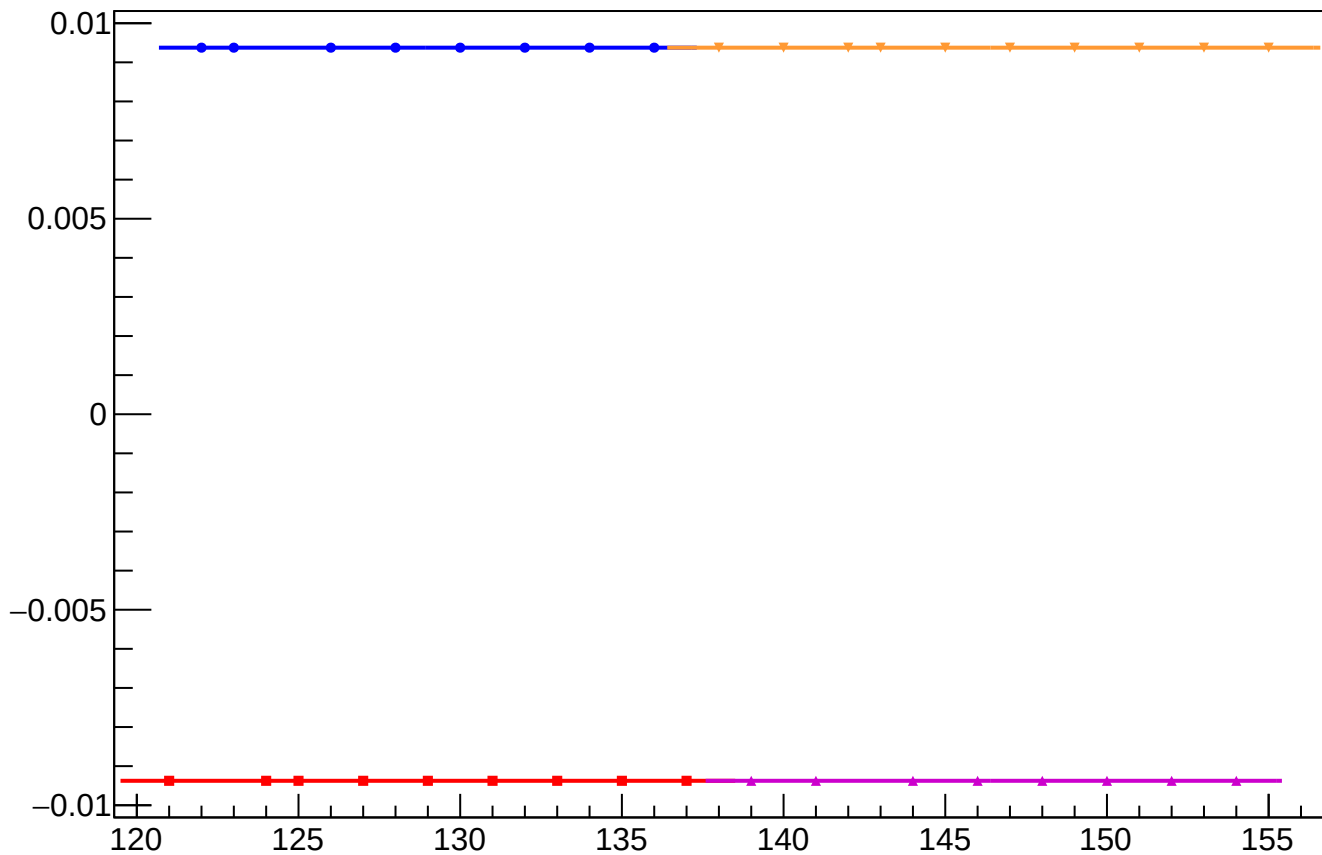
Left In: 0.000+/-0.000 χ^2/NDF : 320896819809237050851328.0/7

-0.000+/-0.000 χ^2/NDF : 879046036058235071

-0.000+/-0.000 χ^2/NDF : 9208783804868

0.000+/-0.000 χ^2/NDF : 8574484926548846323

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 $\chi^2/\text{NDF}: 0.0/9$

Right Out: -0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/8$

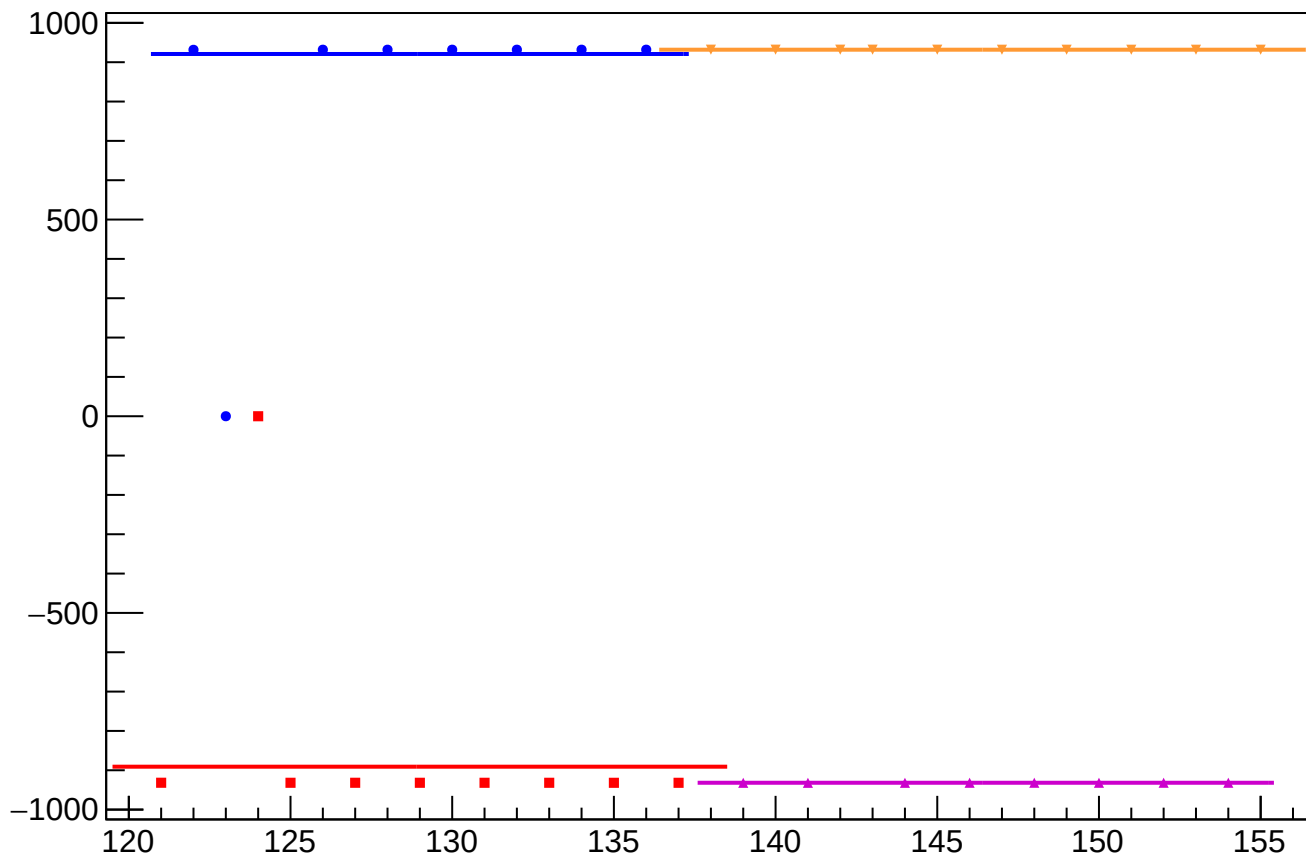
Left In: -0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/7$

0.009 ± 0.000 $\chi^2/\text{NDF}: 0.1/17$

0.000 ± 0.000 $\chi^2/\text{NDF}: 18424820026177$

-0.009 ± 0.000 $\chi^2/\text{NDF}: 0.1/16$

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



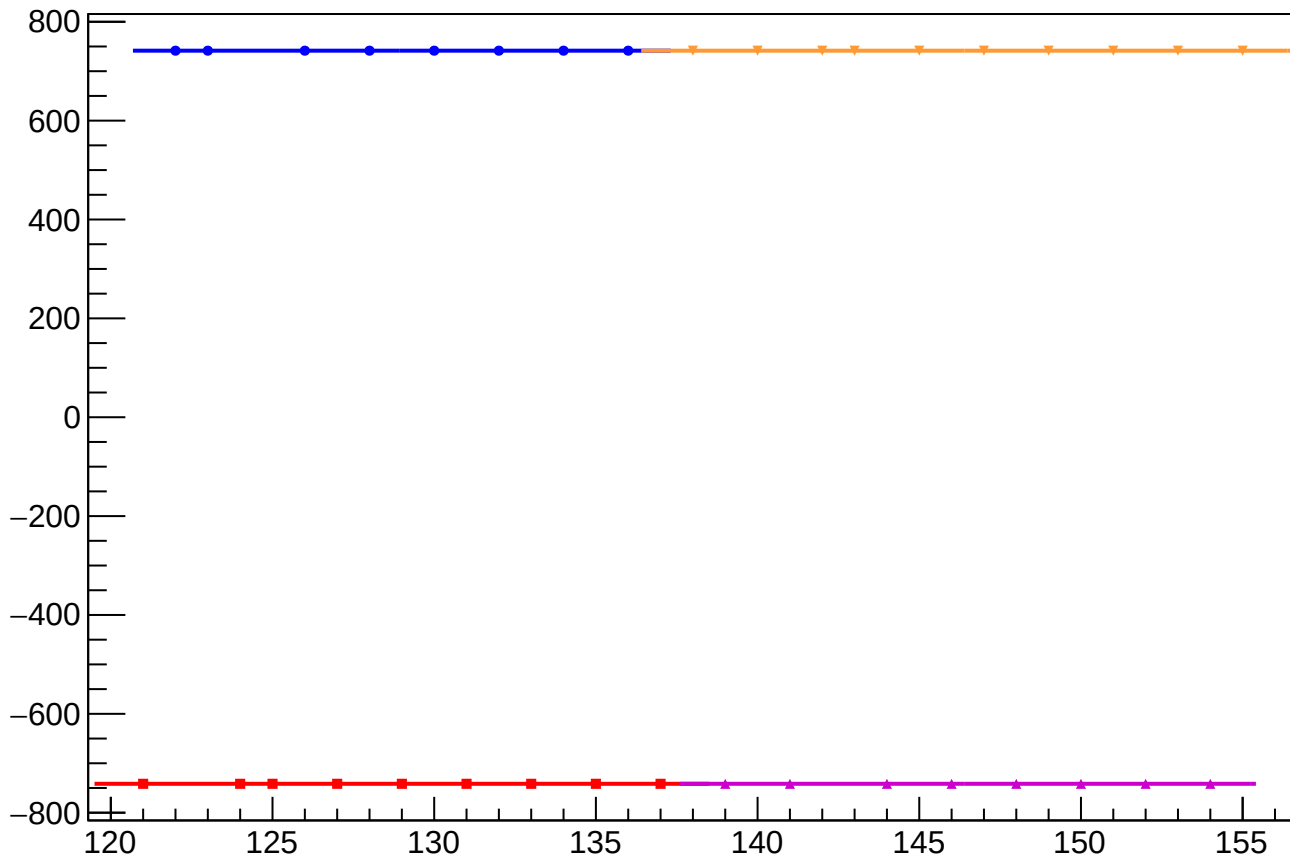
Right In: 920.898+/-0.000 χ^2/NDF : 3432128841951899861299566212080992256.0/7

Left Out: 931.797+/-0.000 χ^2/NDF : 3247433732058416186126002814976.0/9

Right Out: -890.923+/-0.000 χ^2/NDF : 11621671430114409722932854398744788992.0/8

Left In: -931.784+/-0.000 χ^2/NDF : 2887633092738681156850782568448.0/7

HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 741.528+/-0.000 χ^2/NDF : 18896144326732419810052800512.0/7

Left Out: 741.521+/-0.000 χ^2/NDF : 79716798014035668118513123328.0/9

Right Out: -741.529+/-0.000 χ^2/NDF : 16580353917842624420385914880.0/8

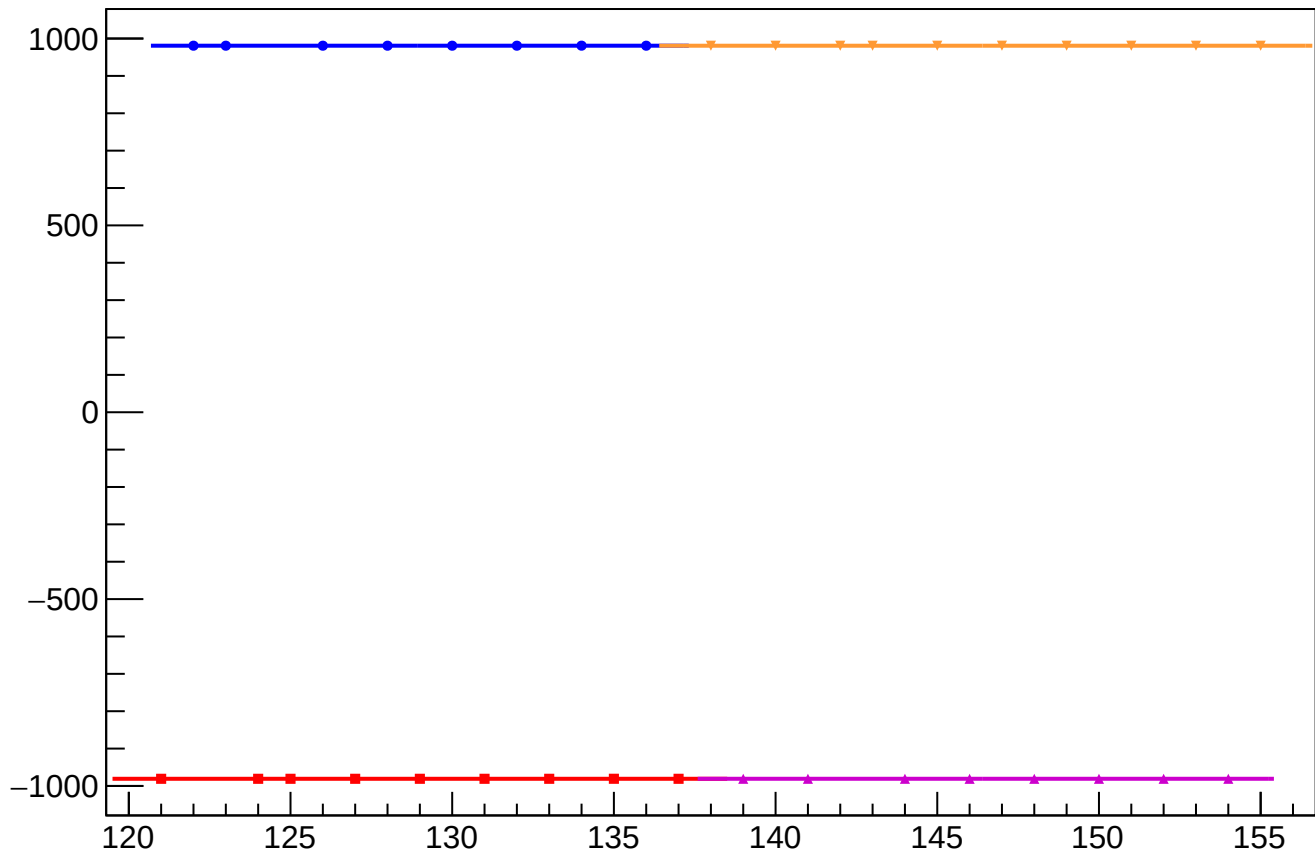
Left In: -741.521+/-0.000 χ^2/NDF : 63843843531459425751514742784.0/7

741.523+/-0.000 χ^2/NDF : 10987962863249727

34.941+/-0.000 χ^2/NDF : 1152683279446

-741.523+/-0.000 χ^2/NDF : 9340121178256723

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.825 +/- 0.000 χ^2/NDF : 159345321268745350954763681792.0/7

Left Out: 980.777 +/- 0.000 χ^2/NDF : 499469382731207193820754083840.0/9

Right Out: -980.818 +/- 0.000 χ^2/NDF : 143689912167528137563261894656.0/8

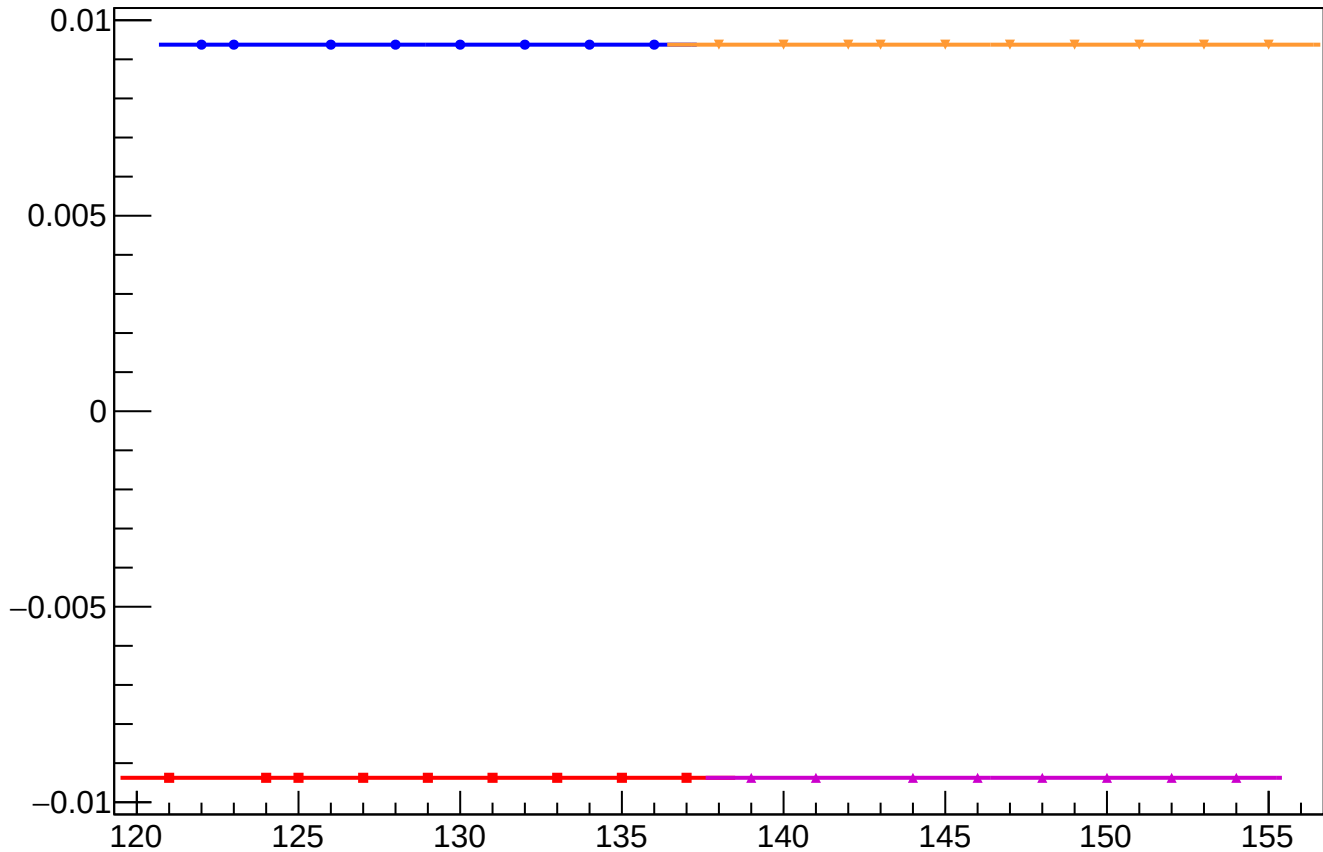
Left In: -980.794 +/- 0.000 χ^2/NDF : 861662956301760550344335556608.0/7

980.792 +/- 0.000 χ^2/NDF : 11997637221990354

46.211 +/- 0.000 χ^2/NDF : 2016596783557

-980.802 +/- 0.000 χ^2/NDF : 1127809680233592

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009 $\pm$ 0.000 $\chi^2/\text{NDF}: 0.0/7$

Left Out: 0.009 $\pm$ 0.000 $\chi^2/\text{NDF}: 0.0/9$

Right Out: -0.009 $\pm$ 0.000 $\chi^2/\text{NDF}: 0.0/8$

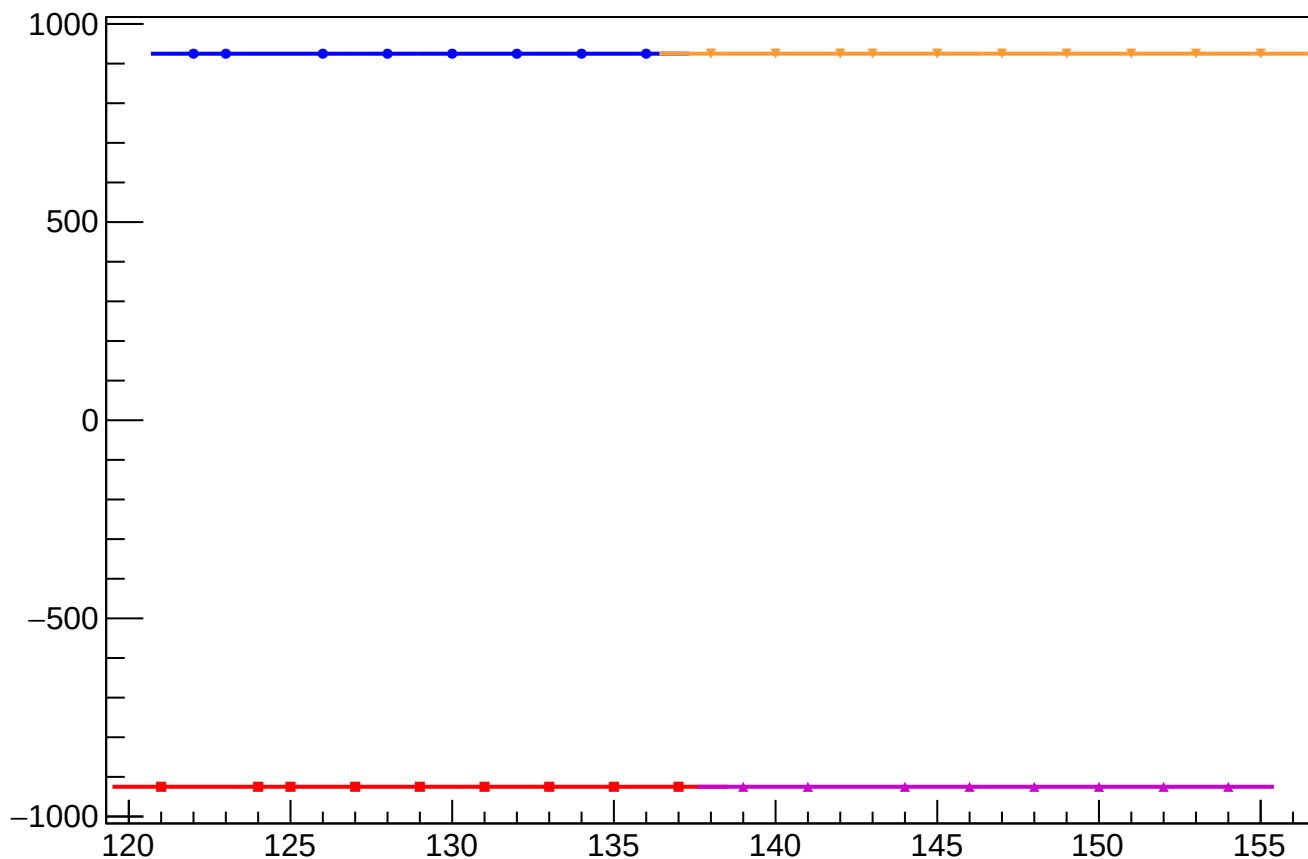
Left In: -0.009 $\pm$ 0.000 $\chi^2/\text{NDF}: 0.0/7$

0.009 $\pm$ 0.000 $\chi^2/\text{NDF}: 0.1/17$

0.000 $\pm$ 0.000 $\chi^2/\text{NDF}: 18424820026177$

-0.009 $\pm$ 0.000 $\chi^2/\text{NDF}: 0.1/16$

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.939 $\pm$ 0.000 χ^2/NDF : 1401458495809517406218388242432.0/7

Left Out: 924.999 $\pm$ 0.000 χ^2/NDF : 411313477663764445042808193024.0/9

Right Out: -924.957 $\pm$ 0.000 χ^2/NDF : 71808709366506786060310151168.0/8

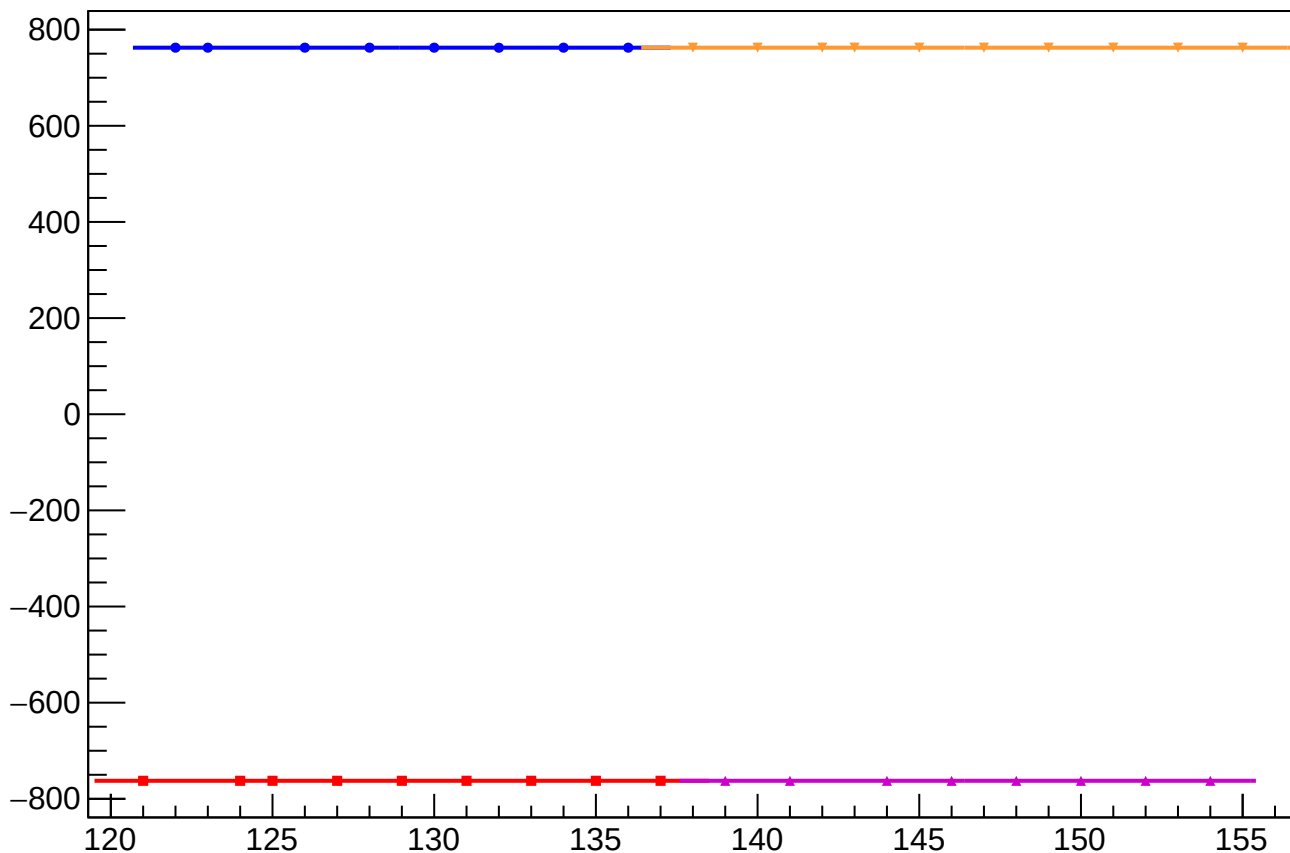
Left In: -925.001 $\pm$ 0.000 χ^2/NDF : 338606637160893612059531411456.0/7

924.980 $\pm$ 0.000 χ^2/NDF : 2647780023660384

43.582 $\pm$ 0.000 χ^2/NDF : 1793613413391

-924.987 $\pm$ 0.000 χ^2/NDF : 8265223611033470

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 762.484+/-0.000 χ^2/NDF : 784430761251084401798891438080.0/7

Left Out: 762.499+/-0.000 χ^2/NDF : 72784377458364960153146490880.0/9

Right Out: -762.501+/-0.000 χ^2/NDF : 469794702848036819563446272.0/8

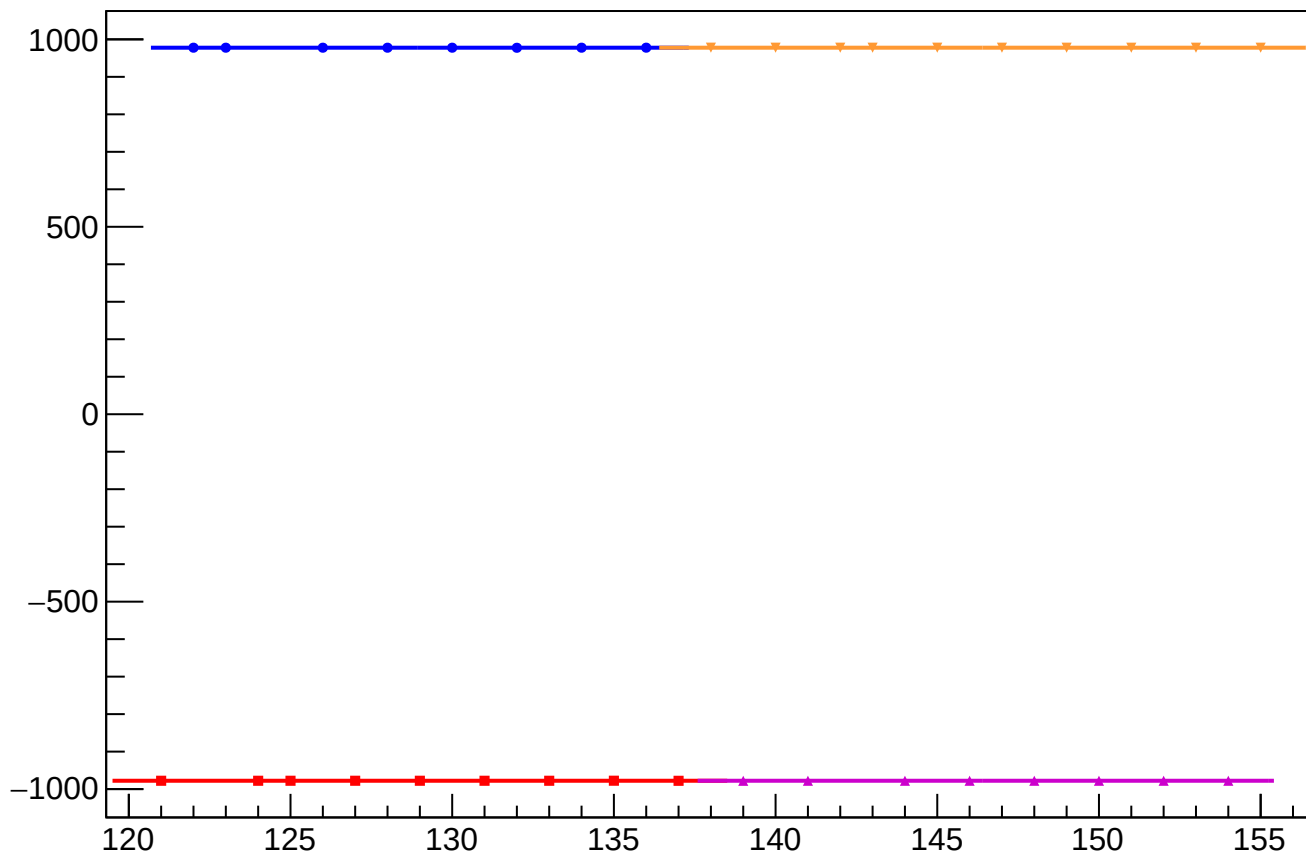
Left In: -762.500+/-0.000 χ^2/NDF : 56963344209089199228573450240.0/7

762.494+/-0.000 χ^2/NDF : 91010319024997545

35.926+/-0.000 χ^2/NDF : 1218813656667

-762.501+/-0.000 χ^2/NDF : 5756014242319298

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



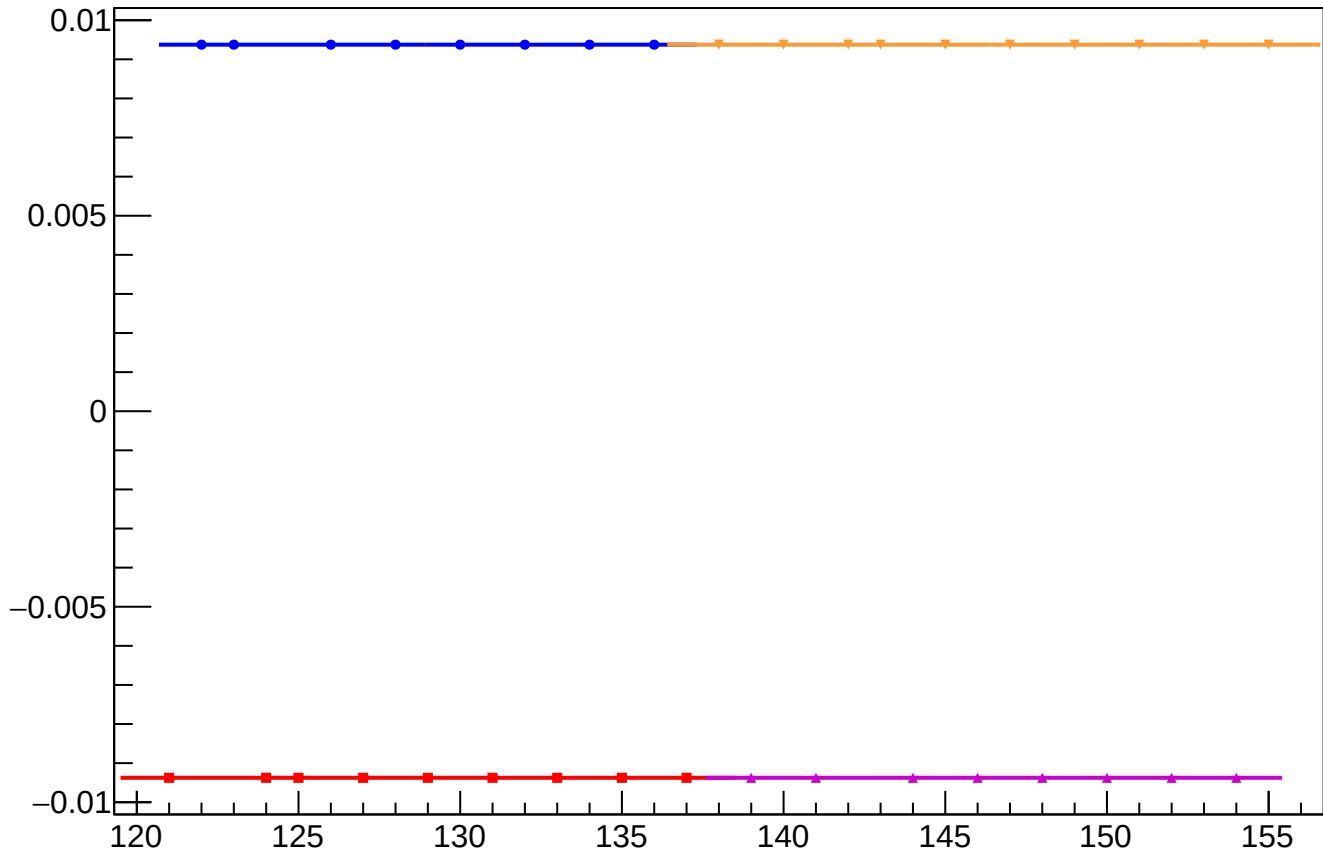
Right In: 977.741+/-0.000 χ^2/NDF : 1738104571804792841781326643200.0/7

Left Out: 977.752+/-0.000 χ^2/NDF : 813469566766241485954362638336.0/9

Right Out: -977.737+/-0.000 χ^2/NDF : 772313054358211830610902646784.0/8

Left In: -977.748+/-0.000 χ^2/NDF : 750693700538367447650428518400.0/7

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 : 0.0/9

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

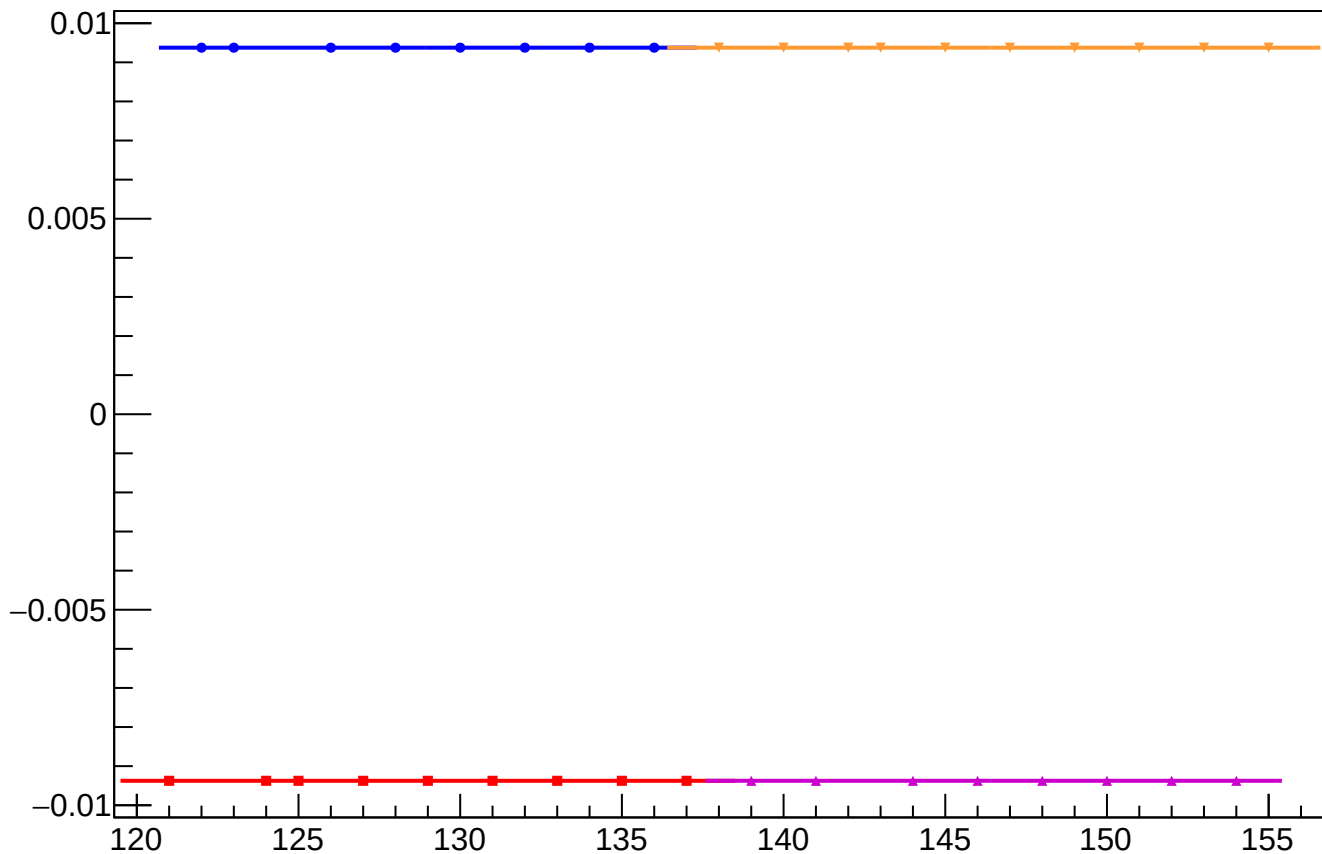
Left In: -0.009+/-0.000 χ^2/NDF : 0.0/7

0.009+/-0.000 χ^2/NDF : 0.1/17

0.000+/-0.000 χ^2/NDF : 18424820026177

-0.009+/-0.000 χ^2/NDF : 0.1/16

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 $\chi^2/\text{NDF}: 0.0/9$

Right Out: -0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/8$

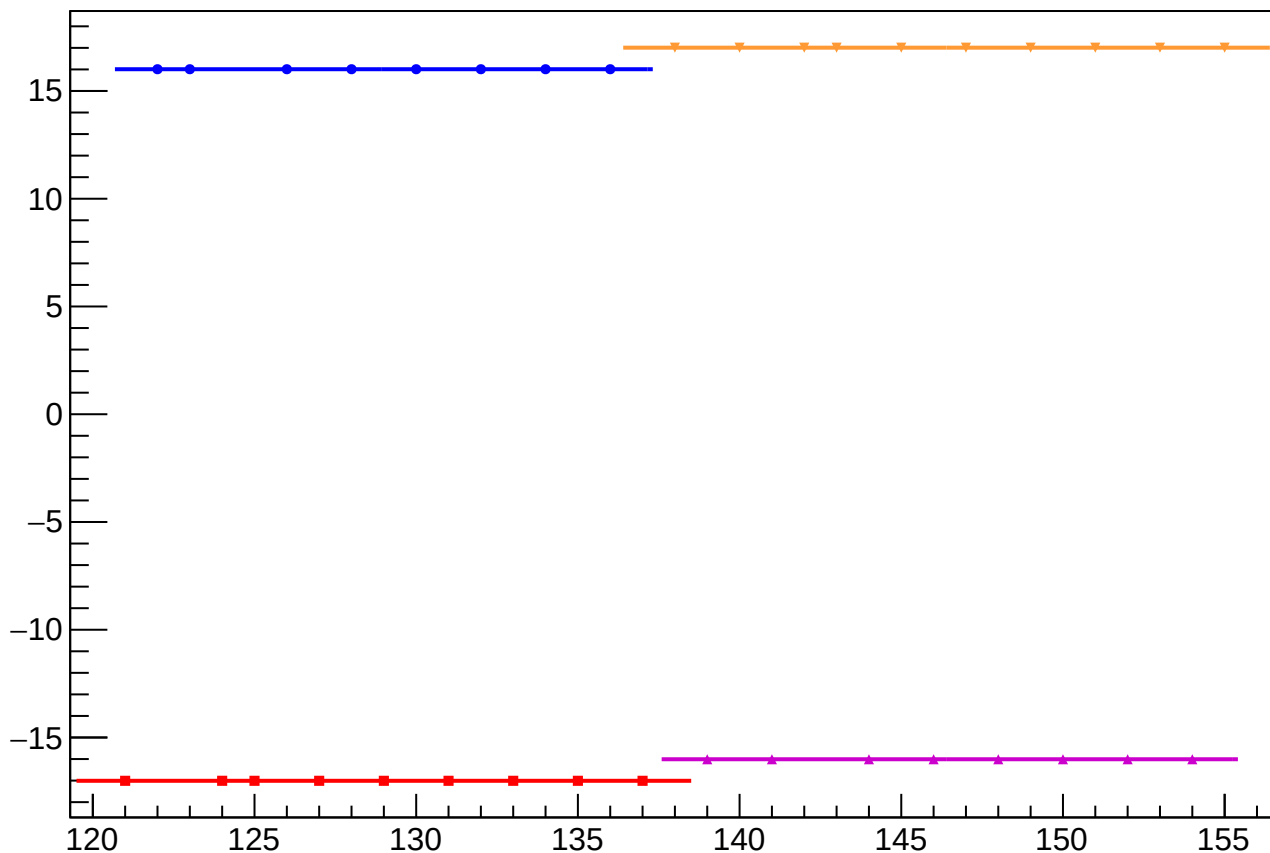
Left In: -0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/7$

0.009 ± 0.000 $\chi^2/\text{NDF}: 0.1/17$

0.000 ± 0.000 $\chi^2/\text{NDF}: 18424820026177$

-0.009 ± 0.000 $\chi^2/\text{NDF}: 0.1/16$

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 : 9633055740760340629028864.0/9

Right Out: -17.009+/-0.000 χ^2/NDF : 8333578329558812540796928.0/8

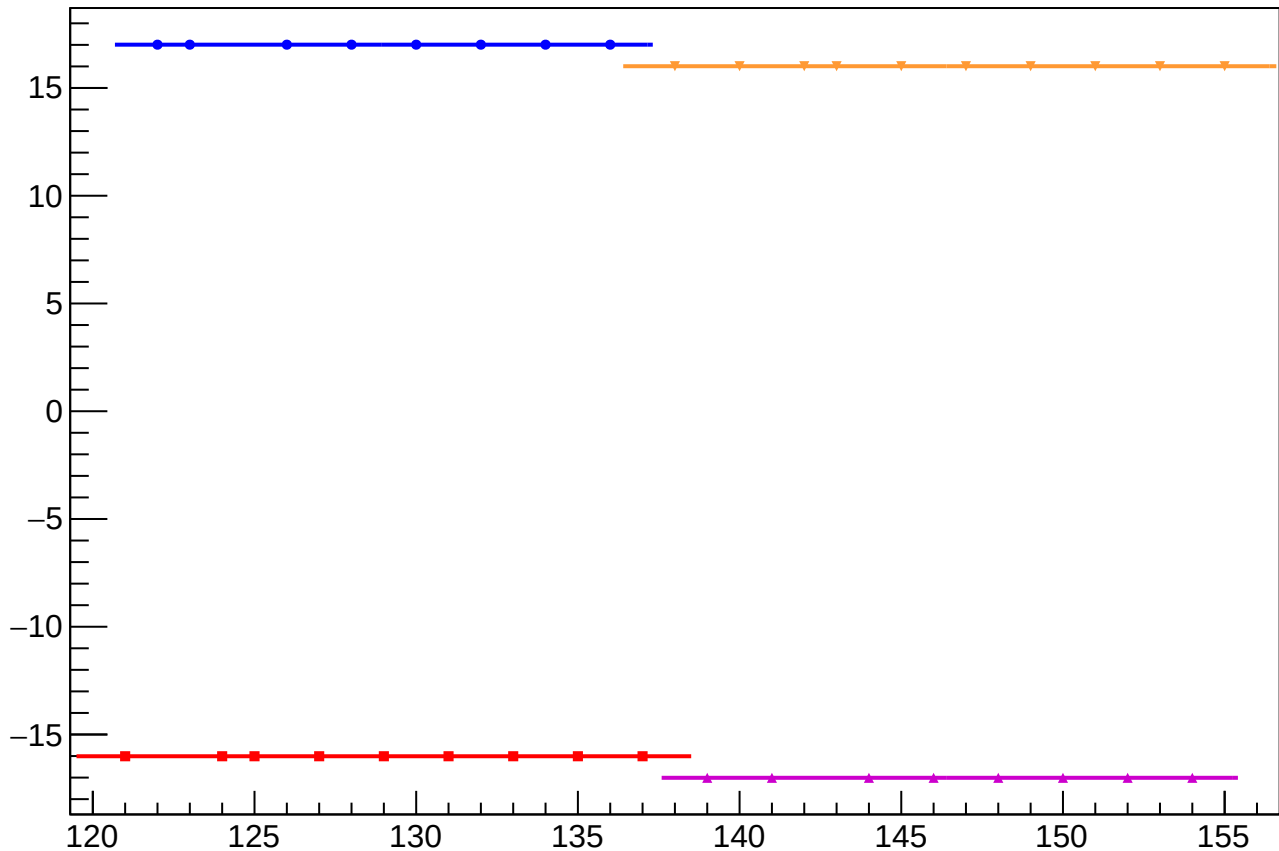
Left In: -16.009+/-0.000 χ^2/NDF : 29547.6/7

16.692+/-0.000 χ^2/NDF : 21557076932157793

0.564+/-0.000 χ^2/NDF : 53027074146785

-16.327+/-0.000 χ^2/NDF : 20594038048225044

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 : 28941.7/9

Right Out: -16.009+/-0.000 χ^2/NDF : 17859.8/8

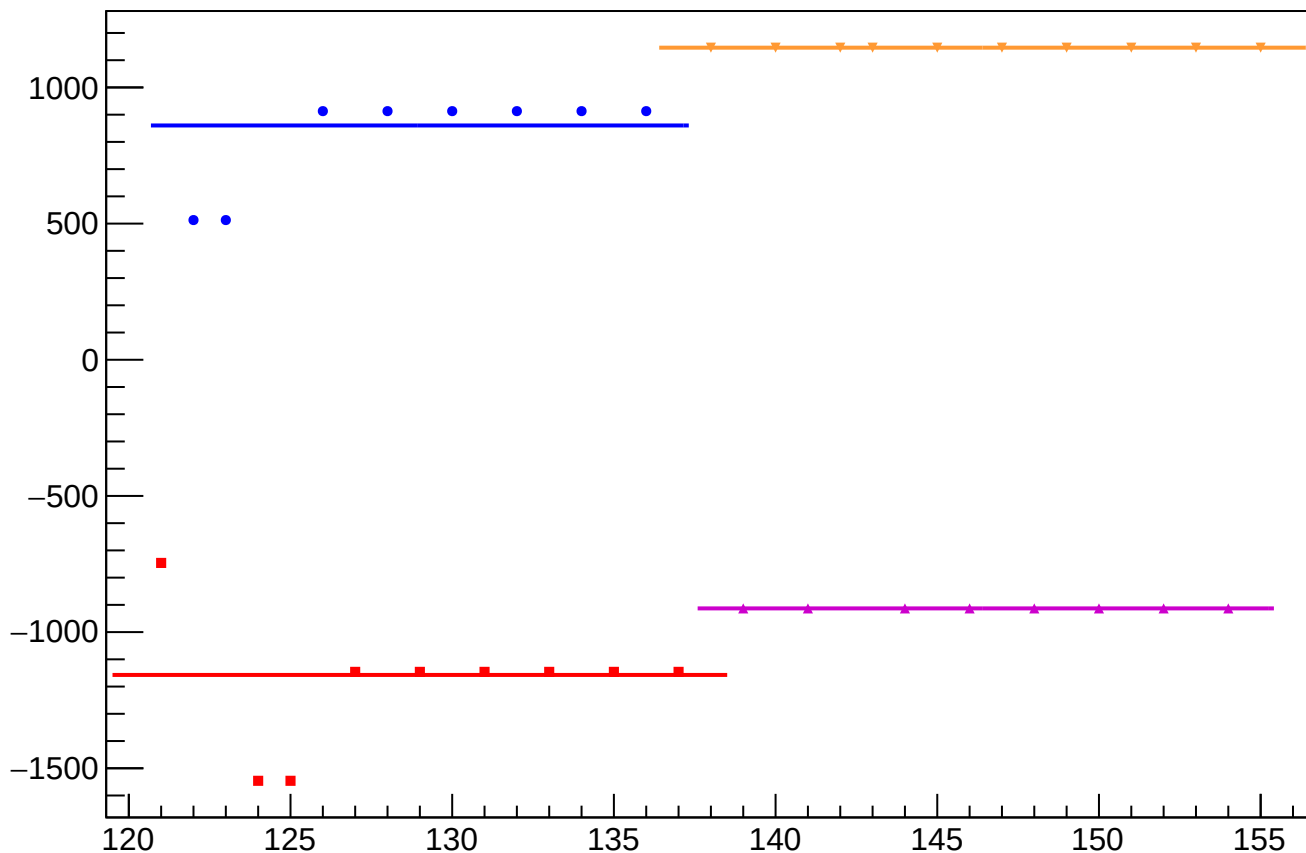
Left In: -17.009+/-0.000 χ^2/NDF : 6942.0/7

16.323+/-0.000 χ^2/NDF : 23489010989010538

0.534+/-0.000 χ^2/NDF : 56965131601297

-16.691+/-0.000 χ^2/NDF : 21734065934063888

RTPAPOSUCNT_mean vs Slug, Sign Corrected



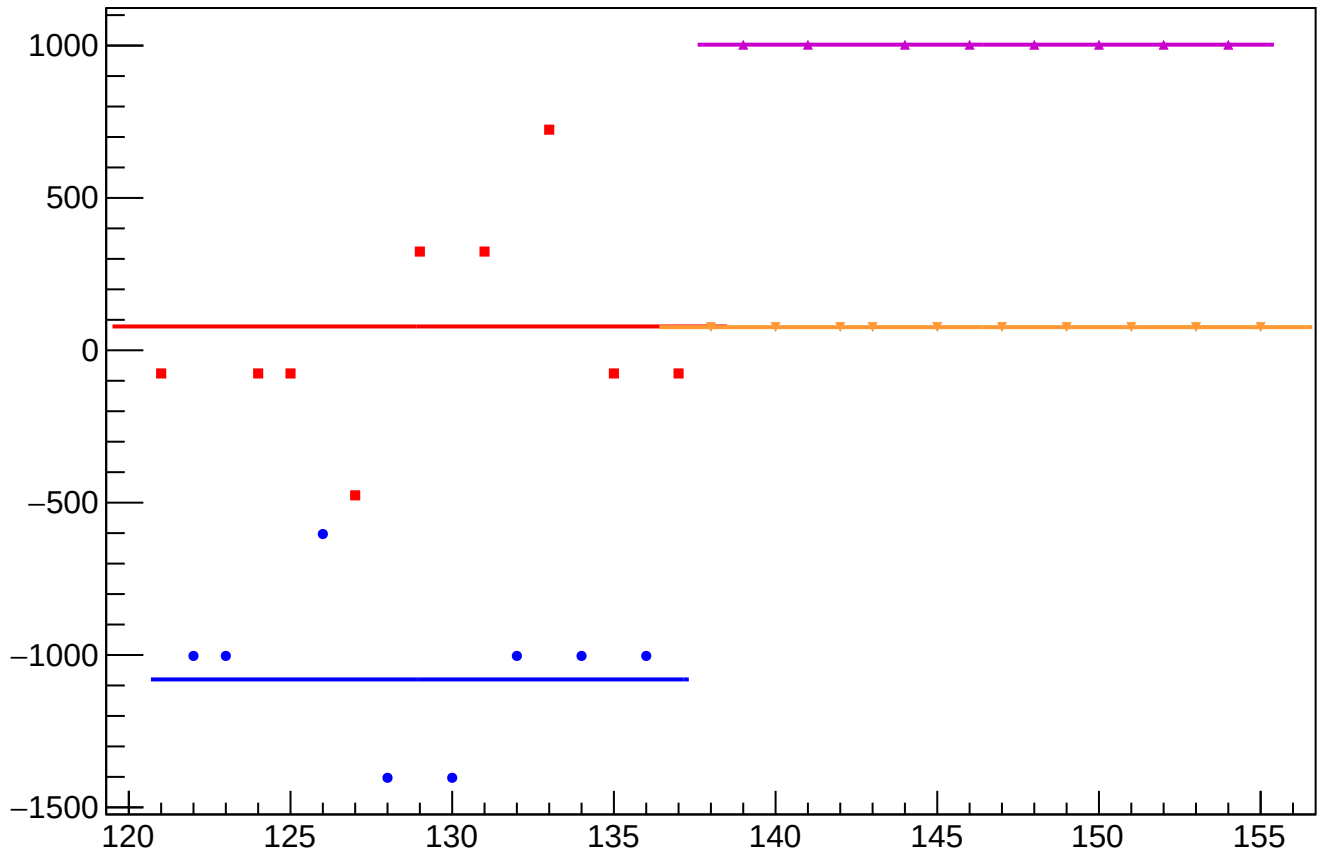
Right In: 860.361+/-0.000 χ^2/NDF : 6252693455178703850651720460594577408.0/7

Left Out: 1146.011+/-0.000 χ^2/NDF : 2612951619900884841628958720.0/9

Right Out: -1157.295+/-0.000 χ^2/NDF : 13880040120623316310083946144856014848.0/8

Left In: -912.993+/-0.000 χ^2/NDF : 9551895294907299741330046976.0/7

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Right In: -1080.182+/-0.000 χ^2/NDF : 21641787691490496475350584298794123264.0/7

Left Out: 76.011+/-0.000 χ^2/NDF : 2999609124876786285613678592.0/9

Right Out: 78.224+/-0.000 χ^2/NDF : 39611265375063350144036471826150326272.0/8

Left In: 1002.989+/-0.000 χ^2/NDF : 1052507722955999867121434624.0/7