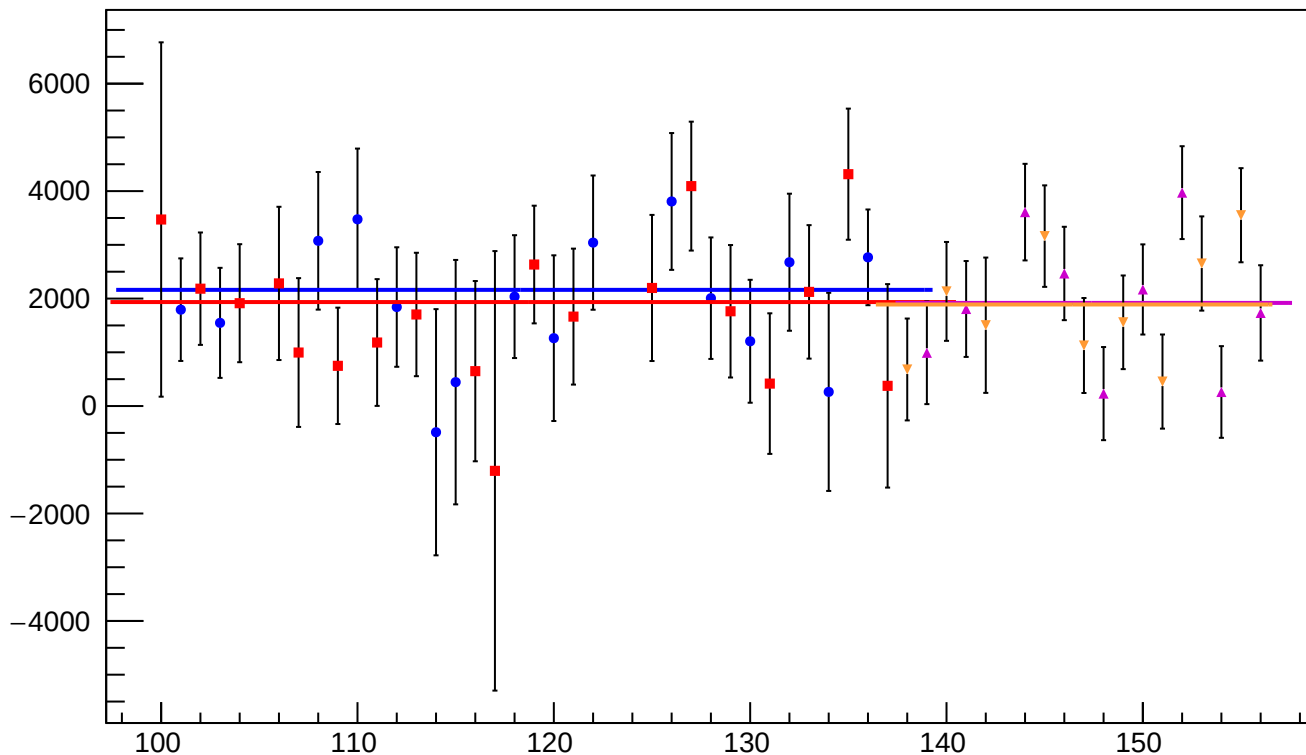


reg_asym_us_avg_mean vs Slug, Sign Corrected



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: 1919.427+/-293.016

χ^2/NDF : 18.2/8

2026.417+/-217.509

χ^2/NDF : 20.8/24

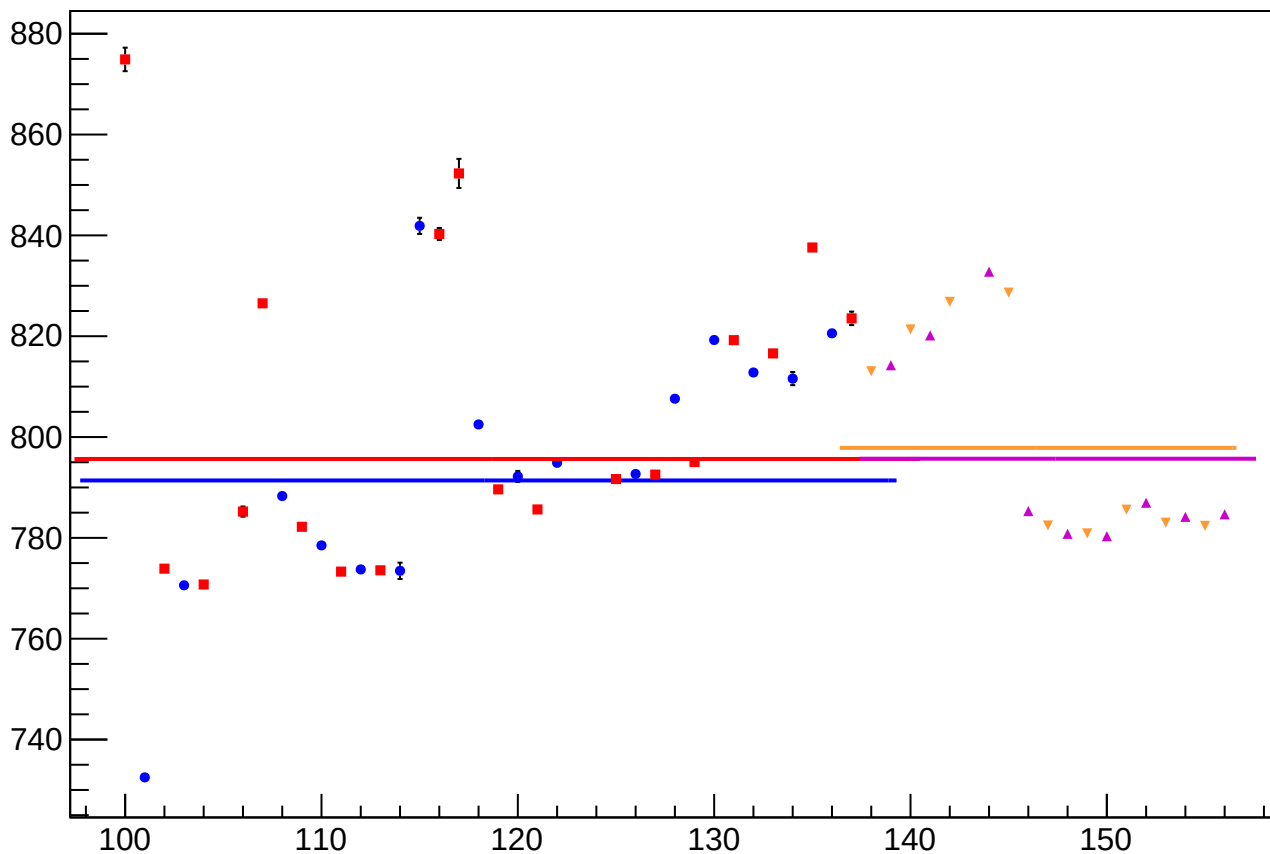
1974.919+/-150.906

χ^2/NDF : 52.4/52

1927.125+/-209.542

χ^2/NDF : 31.5/27

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 797.850 $\pm$ 0.218 χ^2 /NDF: 7951.9/8

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

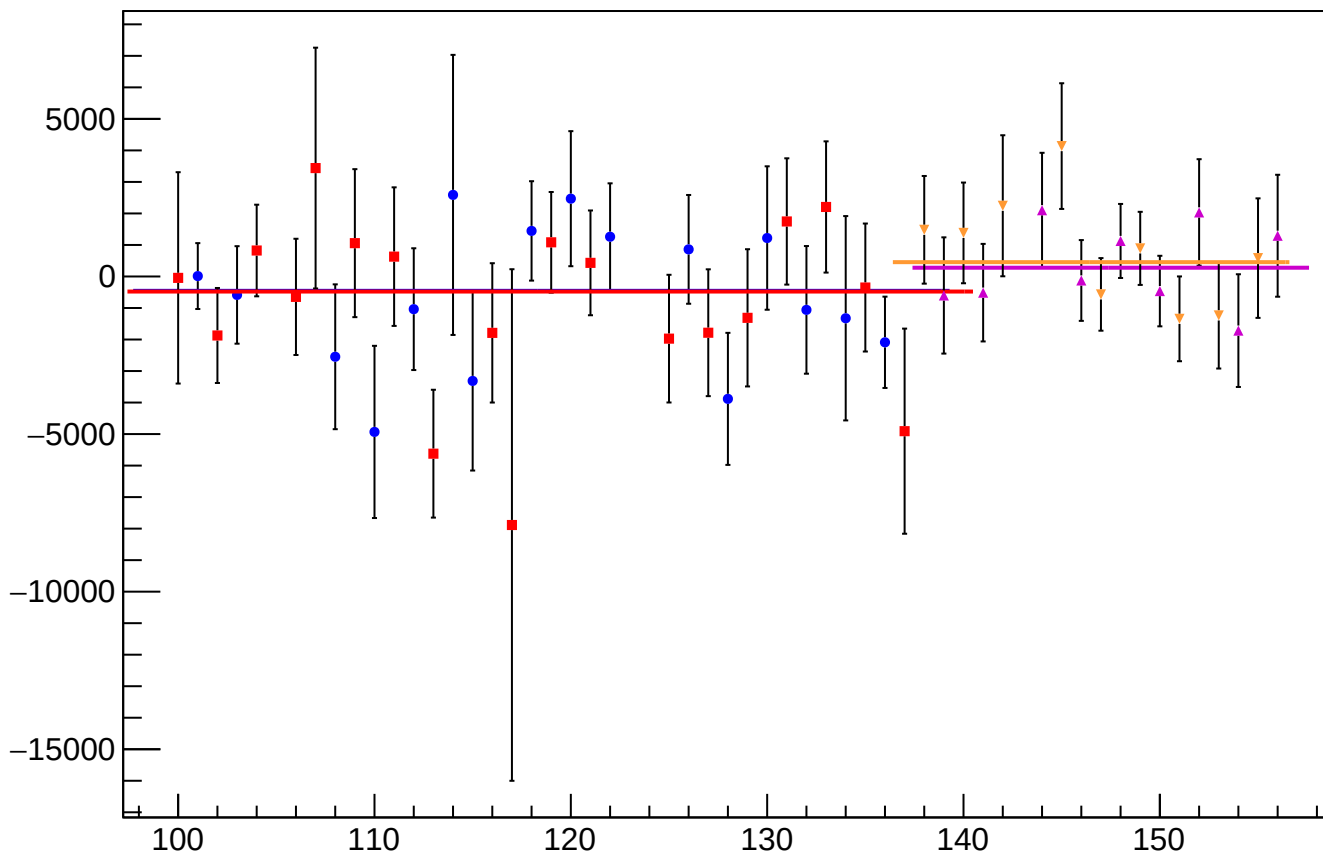
Left In: 795.700 $\pm$ 0.207 χ^2 /NDF: 8087.2/8

794.614 $\pm$ 0.154 χ^2 /NDF: 23401.2/24

795.165 $\pm$ 0.107 χ^2 /NDF: 43458.5/52

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

asym_us_avg_correction_mean vs Slug, Sign Corrected



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

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

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

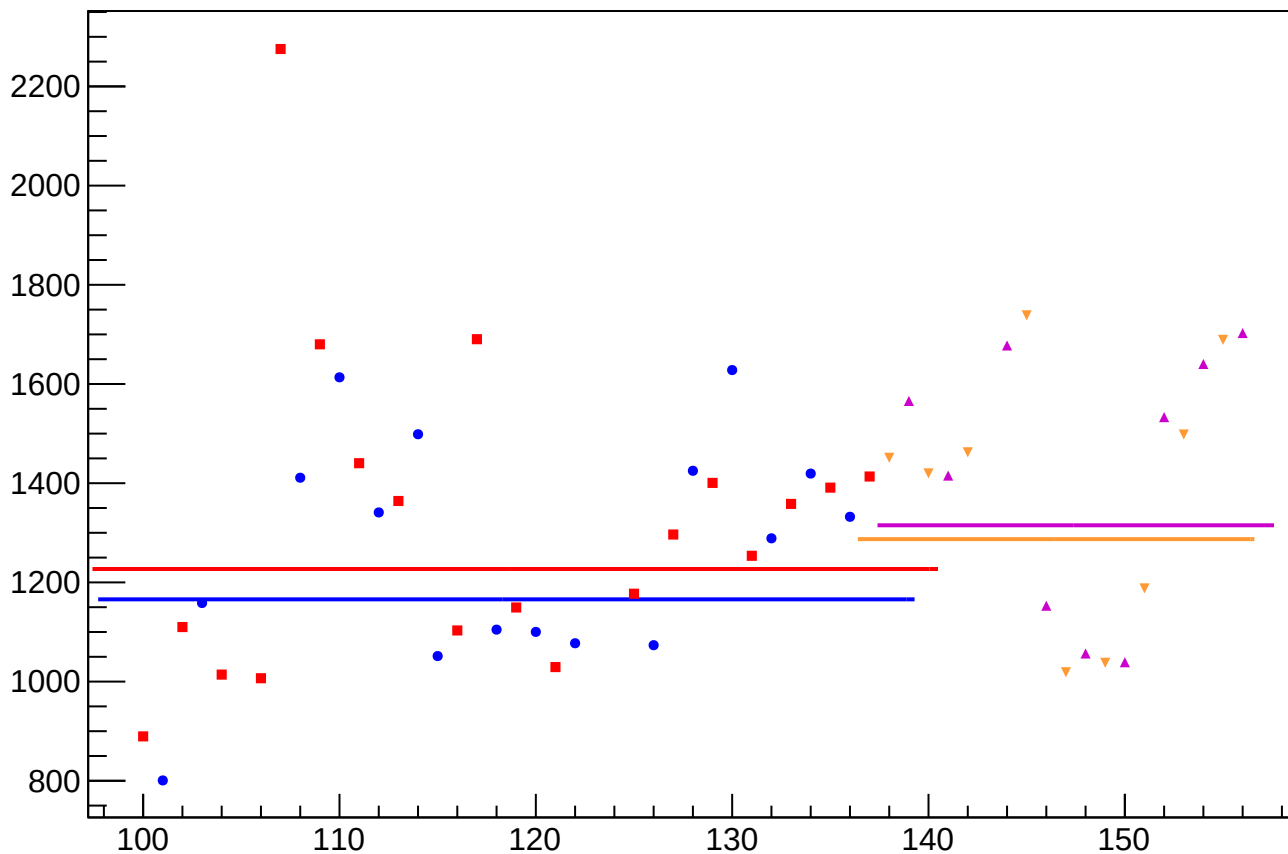
Left In: 278.029+/-495.332 χ^2/NDF : 5.2/8

-41.966+/-342.871 χ^2/NDF : 25.1/24

-80.178+/-242.028 χ^2/NDF : 49.6/52

-118.128+/-341.690 χ^2/NDF : 24.5/27

asym_us_avg_correction_rms vs Slug, Sign Corrected



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

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

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

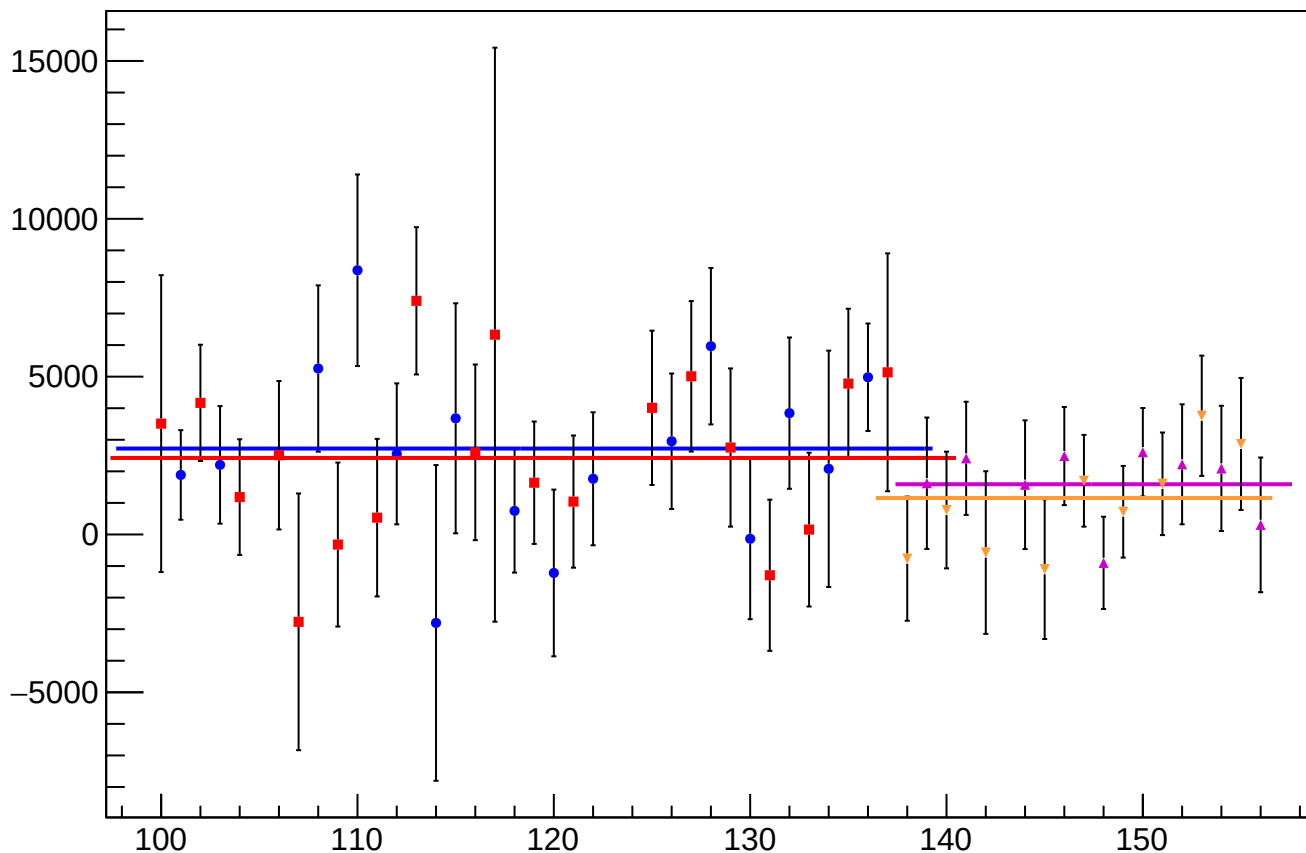
Left In: 1315.148 $\pm$ 0.350 χ^2 /NDF: 554991.0/8

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

1245.061 $\pm$ 0.171 χ^2 /NDF: 2123761.7/52

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

asym_us_avg_mean vs Slug, Sign Corrected



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

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

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

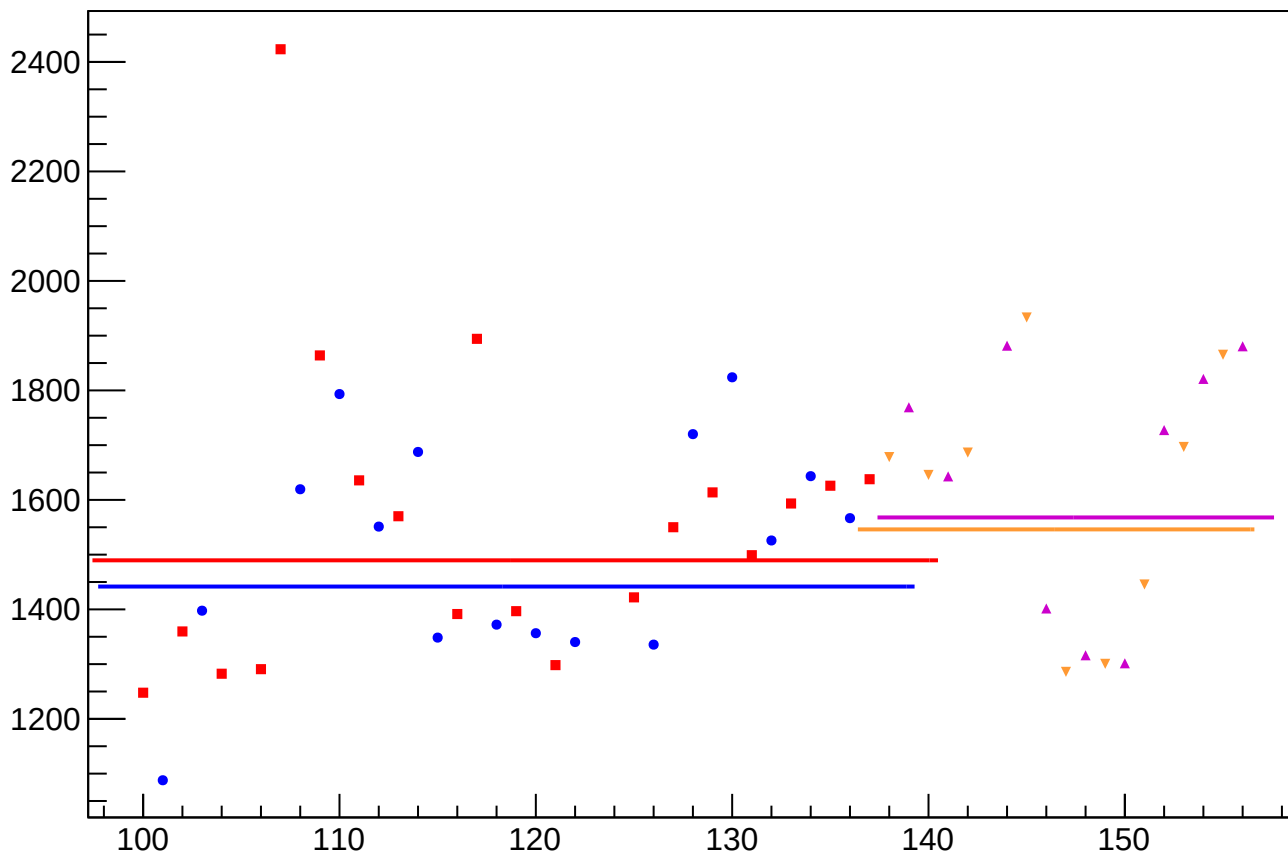
Left In: 1591.216 $\pm$ 584.713 χ^2 /NDF: 4.5/8

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

2004.641 $\pm$ 290.236 χ^2 /NDF: 45.5/52

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

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1546.116+/-0.427 χ^2/NDF : 269957.6/8

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

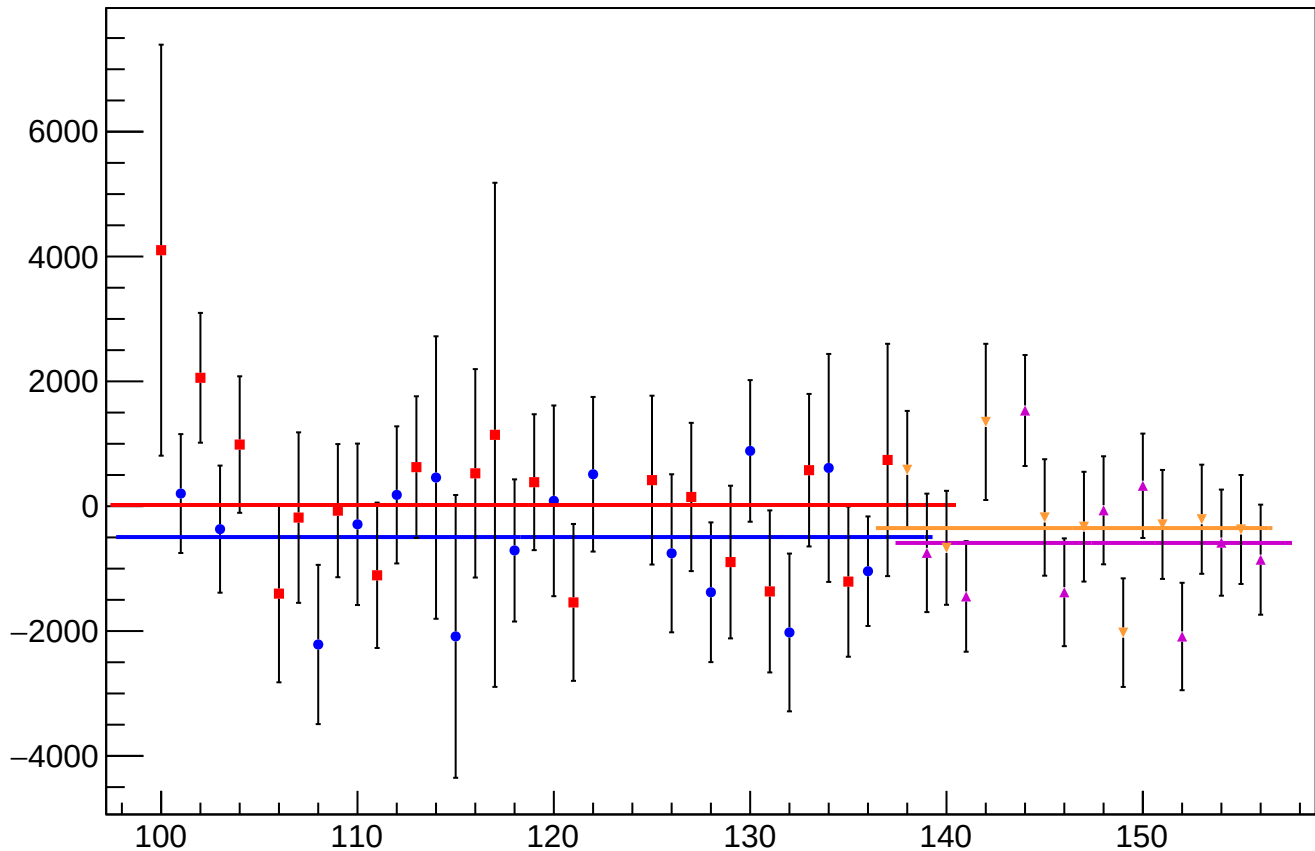
Left In: 1567.937+/-0.413 χ^2/NDF : 313747.4/8

1490.593+/-0.292 χ^2/NDF : 577583.7/24

1509.393+/-0.205 χ^2/NDF : 1178056.5/52

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

reg_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -494.223 $\pm$ 304.644 χ^2/NDF : 8.7/15

Left Out: -350.262 $\pm$ 306.293 χ^2/NDF : 6.7/8

Right Out: 19.622 $\pm$ 296.930 χ^2/NDF : 13.4/18

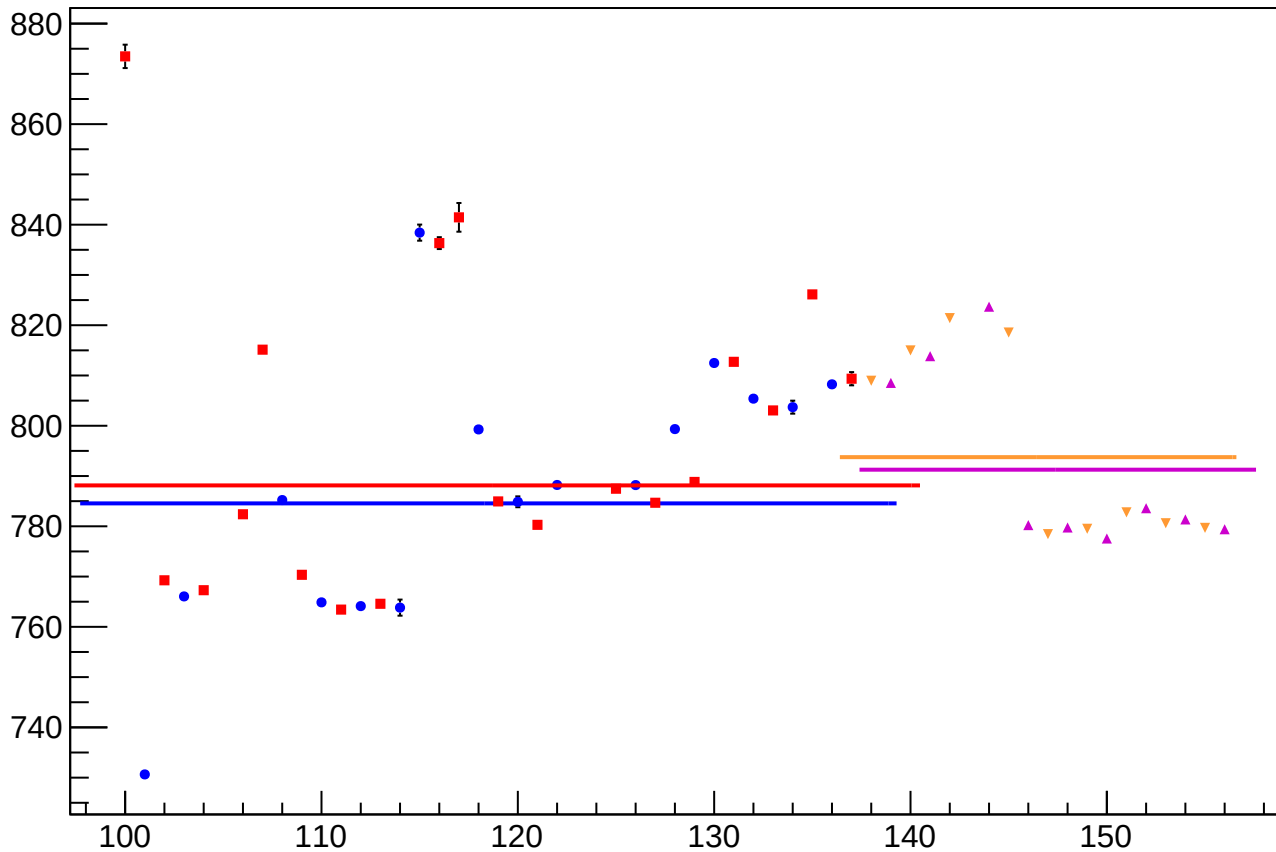
Left In: -588.517 $\pm$ 291.360 χ^2/NDF : 12.2/8

-422.631 $\pm$ 215.996 χ^2/NDF : 15.5/24

-353.910 $\pm$ 149.812 χ^2/NDF : 43.4/52

-290.205 $\pm$ 207.964 χ^2/NDF : 27.8/27

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

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

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

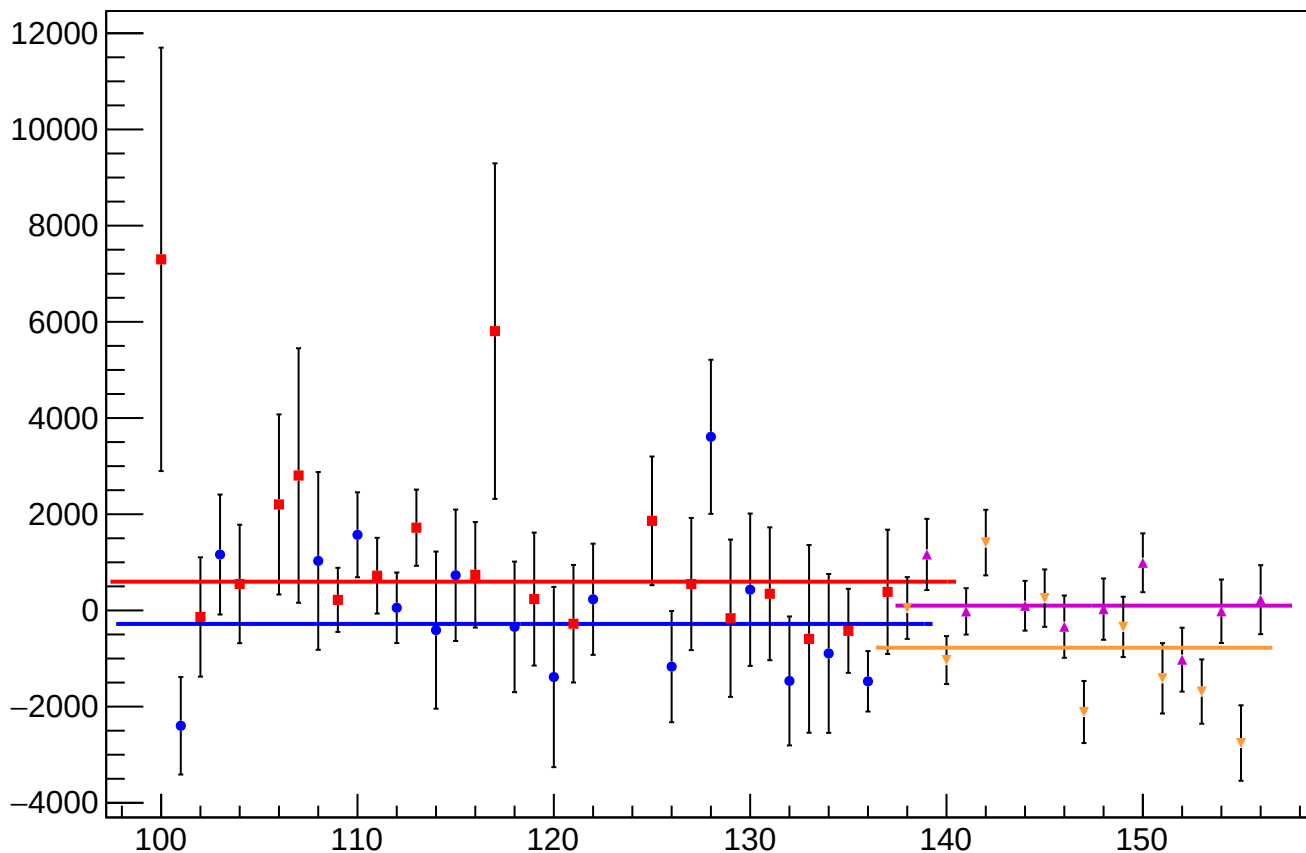
Left In: 791.261 ± 0.206 χ^2/NDF : 6629.7/8

789.132 ± 0.153 χ^2/NDF : 21006.4/24

789.441 ± 0.106 χ^2/NDF : 39016.7/52

789.727 ± 0.147 χ^2/NDF : 18002.4/27

asym_us_dd_correction_mean vs Slug, Sign Corrected



Right In: -280.632 ± 282.501 χ^2/NDF : 23.1/15

Left Out: -774.724 ± 212.816 χ^2/NDF : 28.9/8

Right Out: 598.108 ± 272.052 χ^2/NDF : 12.2/18

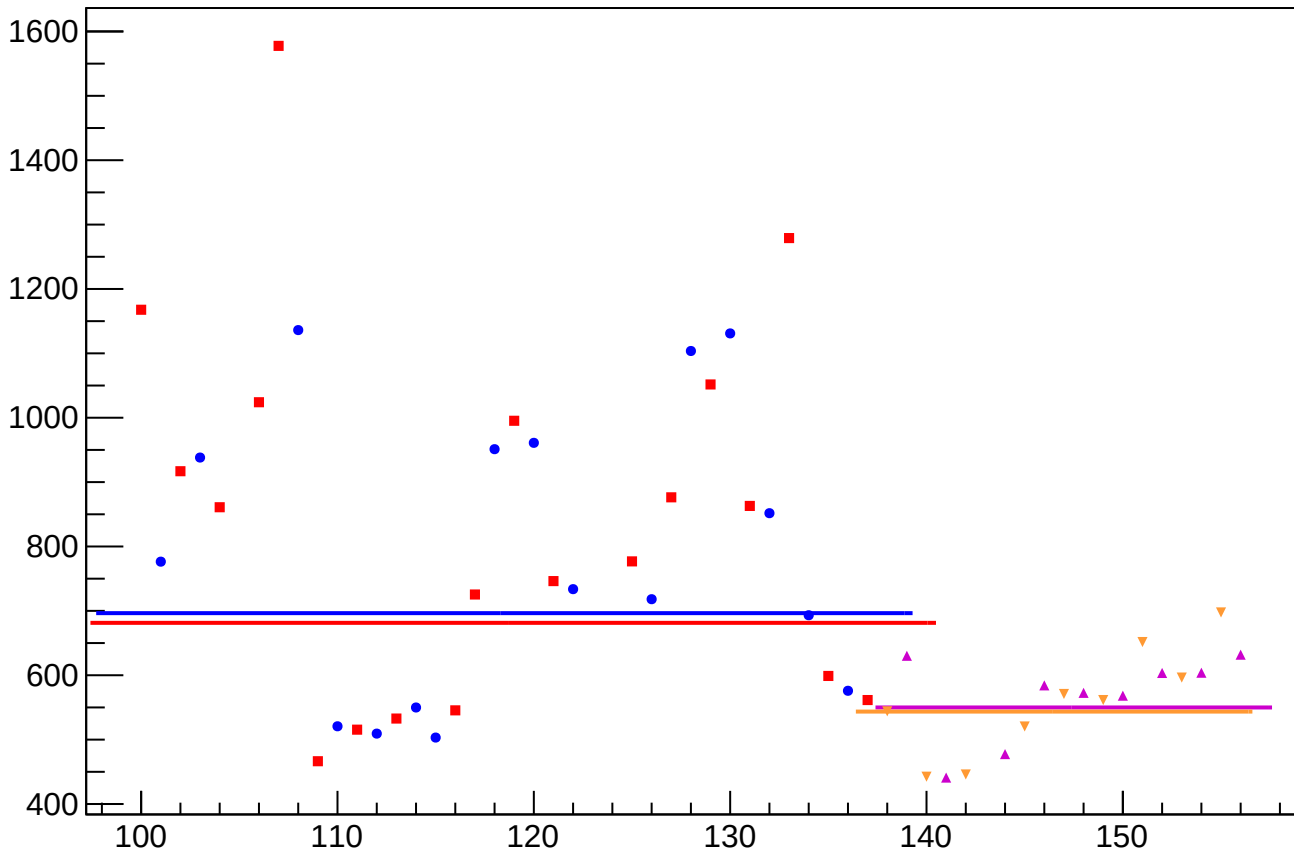
Left In: 99.732 ± 204.584 χ^2/NDF : 7.6/8

-595.841 ± 169.981 χ^2/NDF : 54.0/24

-141.056 ± 117.840 χ^2/NDF : 89.8/52

279.761 ± 163.510 χ^2/NDF : 22.0/27

asym_us_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 543.563 $\pm$ 0.150 χ^2/NDF : 264702.0/8

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

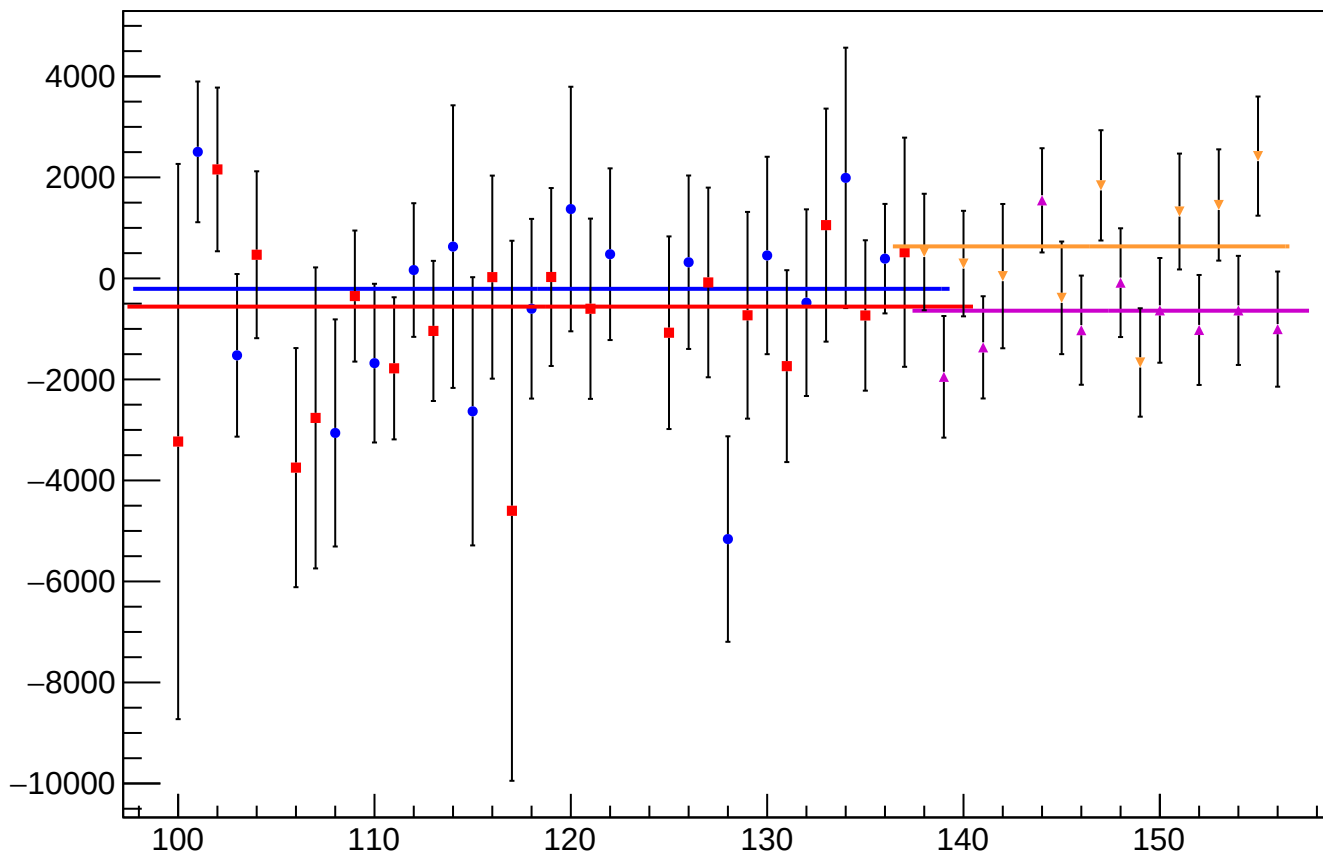
Left In: 549.945 $\pm$ 0.145 χ^2/NDF : 227224.5/8

598.919 $\pm$ 0.120 χ^2/NDF : 1597949.1/24

598.145 $\pm$ 0.083 χ^2/NDF : 3476393.6/52

597.429 $\pm$ 0.116 χ^2/NDF : 1878364.8/27

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

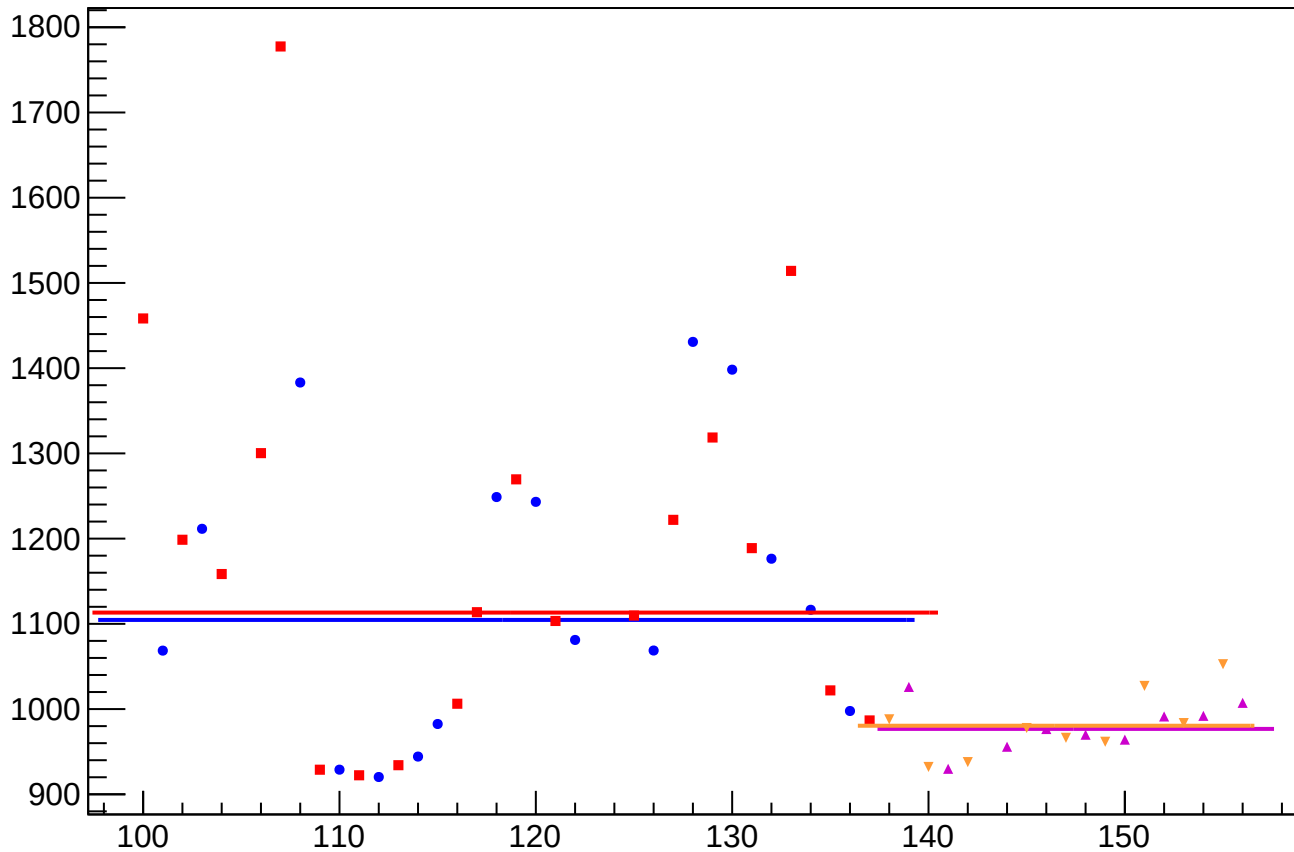
Left In: -639.635 ± 359.819 χ^2/NDF : 6.8/8

270.403 ± 285.275 χ^2/NDF : 28.0/24

-184.088 ± 197.921 χ^2/NDF : 48.5/52

-605.888 ± 274.824 χ^2/NDF : 15.5/27

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

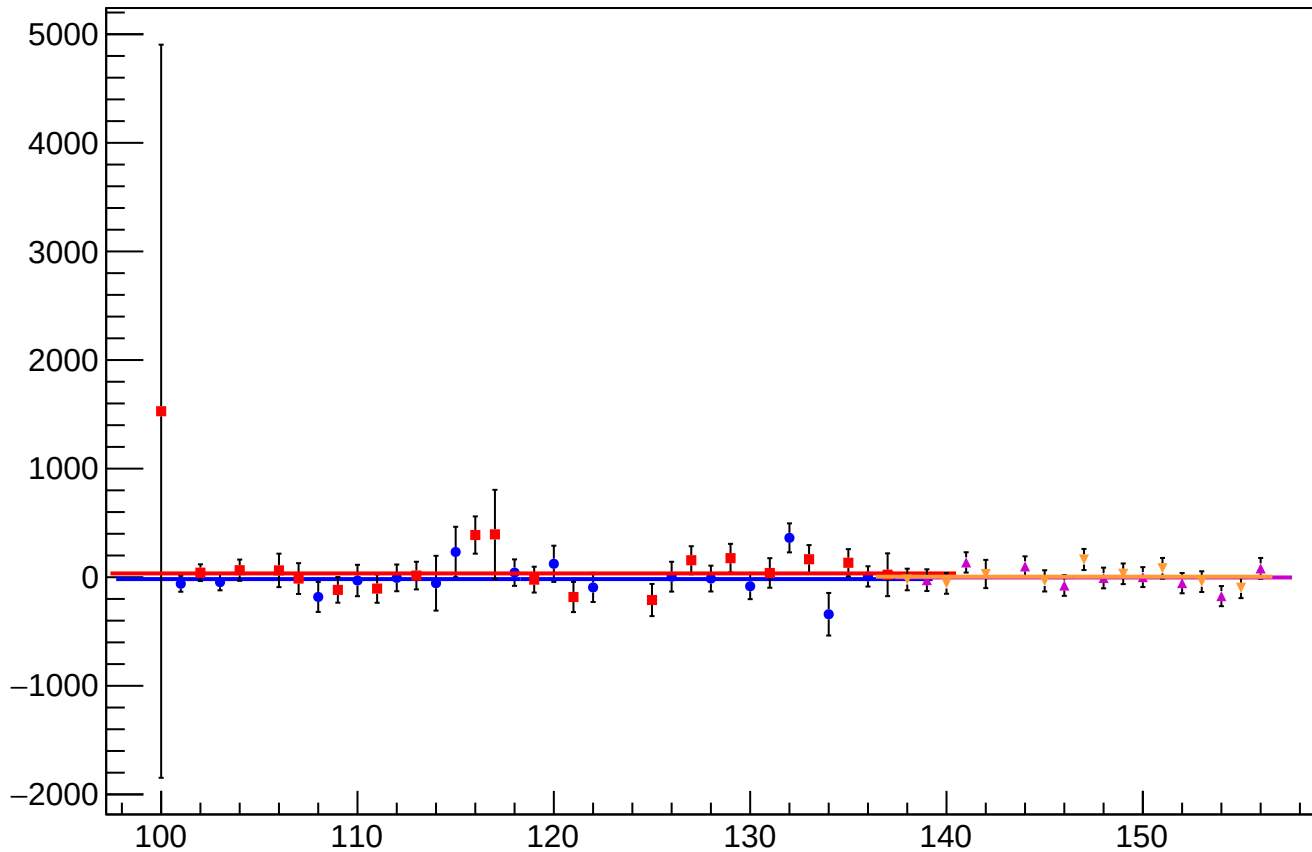
Left In: 976.731 $\pm$ 0.254 χ^2 /NDF: 11020.5/8

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

1033.861 $\pm$ 0.140 χ^2 /NDF: 860295.3/52

1033.596 $\pm$ 0.194 χ^2 /NDF: 493897.6/27

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

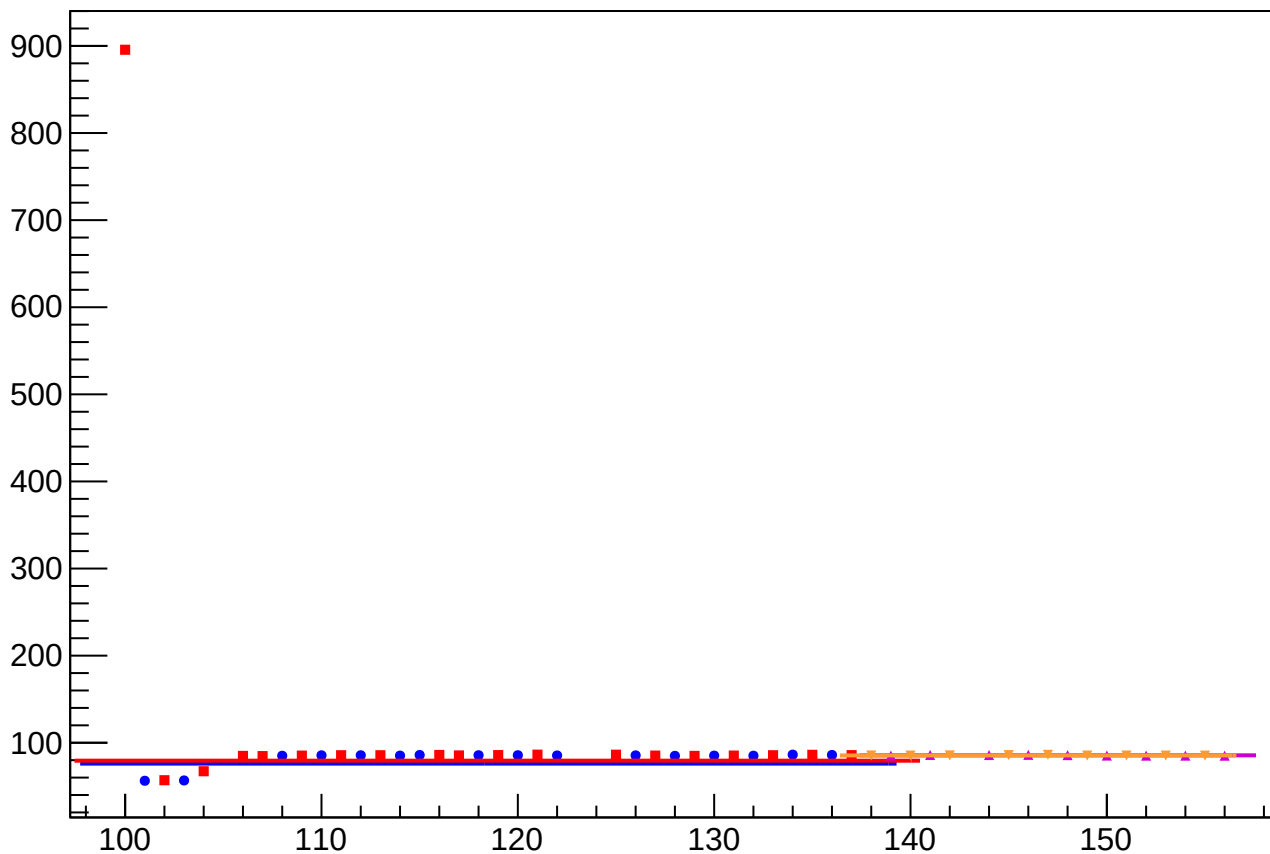
Left In: -2.317 ± 31.505 χ^2/NDF : 8.6/8

-7.177 ± 22.182 χ^2/NDF : 21.3/24

5.070 ± 15.571 χ^2/NDF : 48.5/52

16.966 ± 21.862 χ^2/NDF : 26.6/27

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

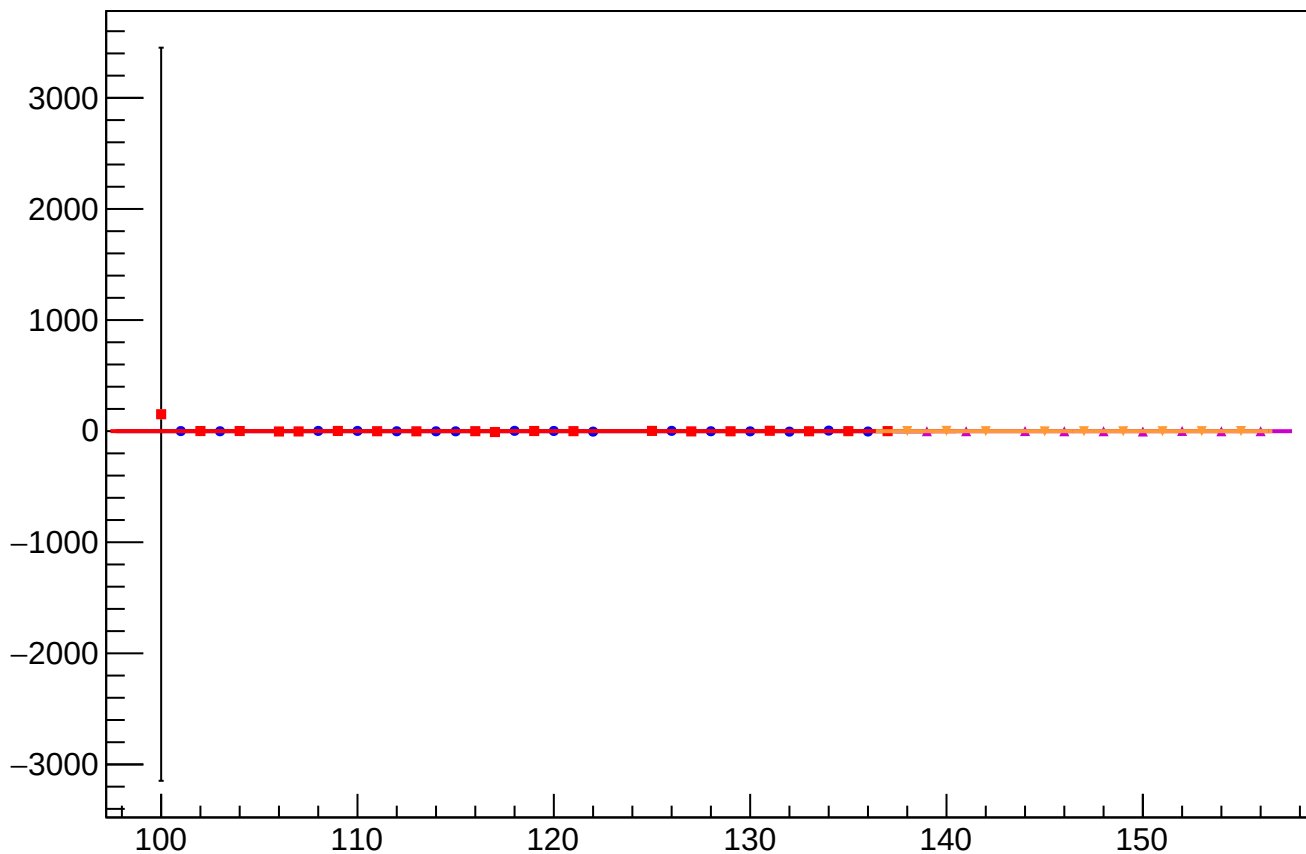
Left In: 85.577+/-0.022 χ^2/NDF : 288.2/8

80.320+/-0.016 χ^2/NDF : 497666.6/24

81.368+/-0.011 χ^2/NDF : 925273.9/52

82.386+/-0.015 χ^2/NDF : 418805.7/27

asym_ds_avg_correction_mean vs Slug, Sign Corrected



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

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

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

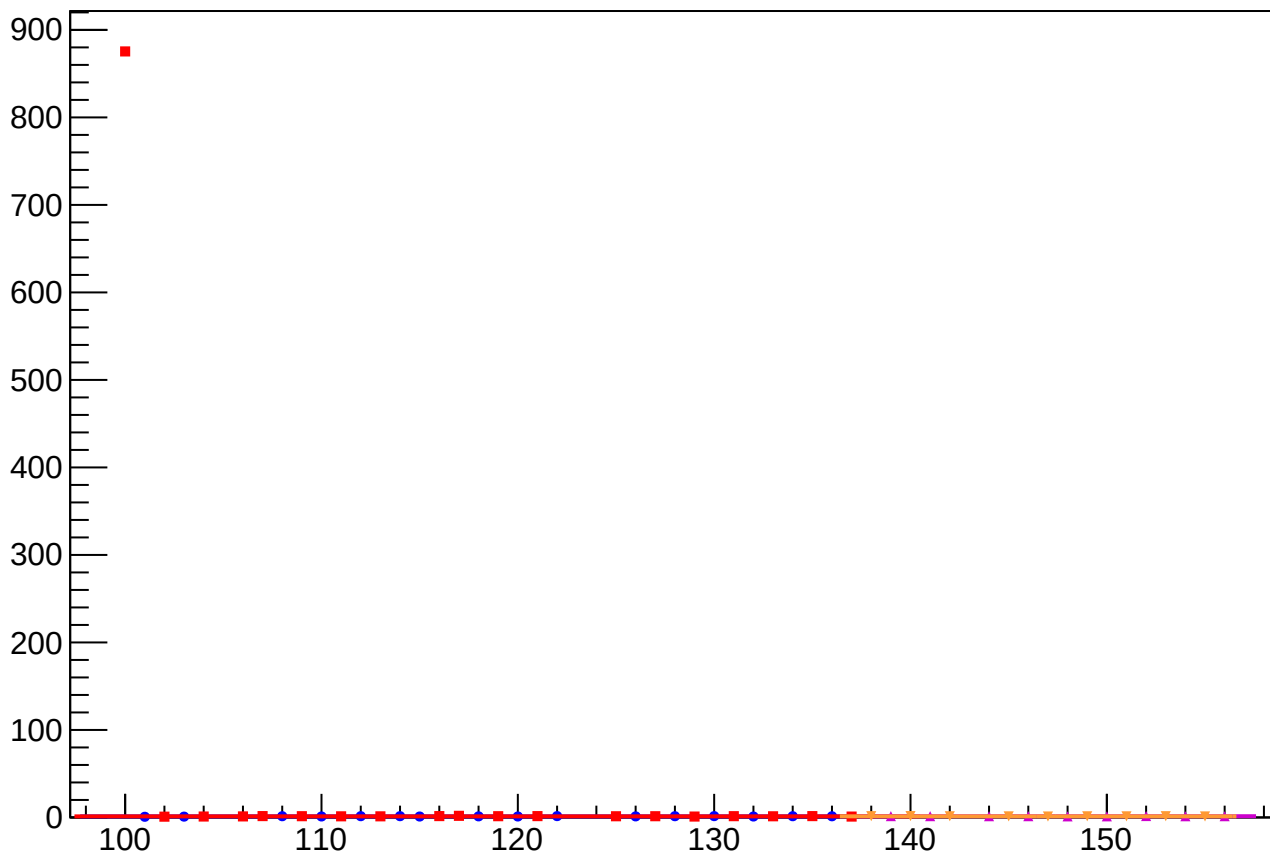
Left In: -0.353+/-0.563 χ^2/NDF : 4.9/8

-0.257+/-0.371 χ^2/NDF : 26.5/24

-0.198+/-0.266 χ^2/NDF : 41.5/52

-0.135+/-0.382 χ^2/NDF : 14.9/27

asym_ds_avg_correction_rms vs Slug, Sign Corrected



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

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

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

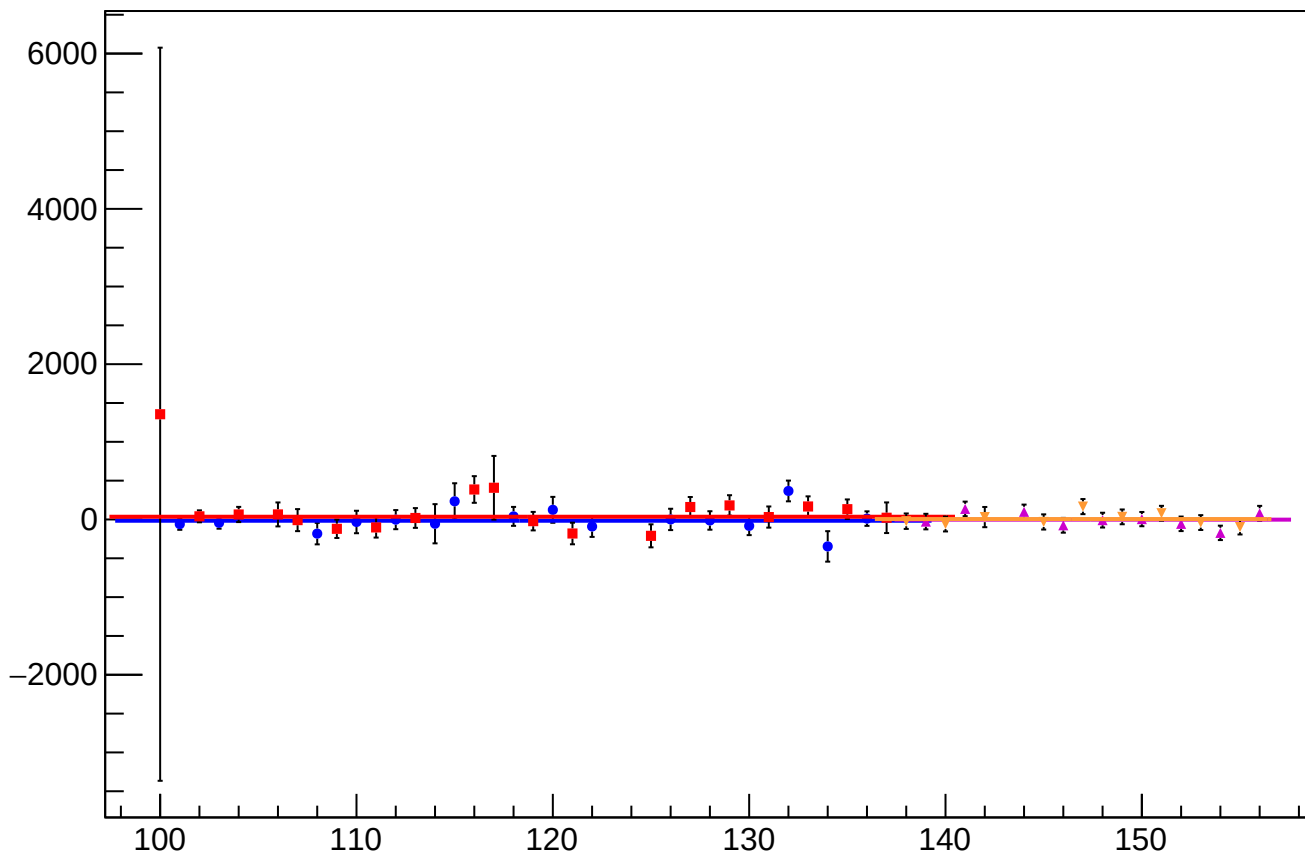
Left In: 1.416 $\pm$ 0.000 χ^2 /NDF:74124.2/8

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

1.270 $\pm$ 0.000 χ^2 /NDF: 1503496.7/52

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

asym_ds_avg_mean vs Slug, Sign Corrected



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

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

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

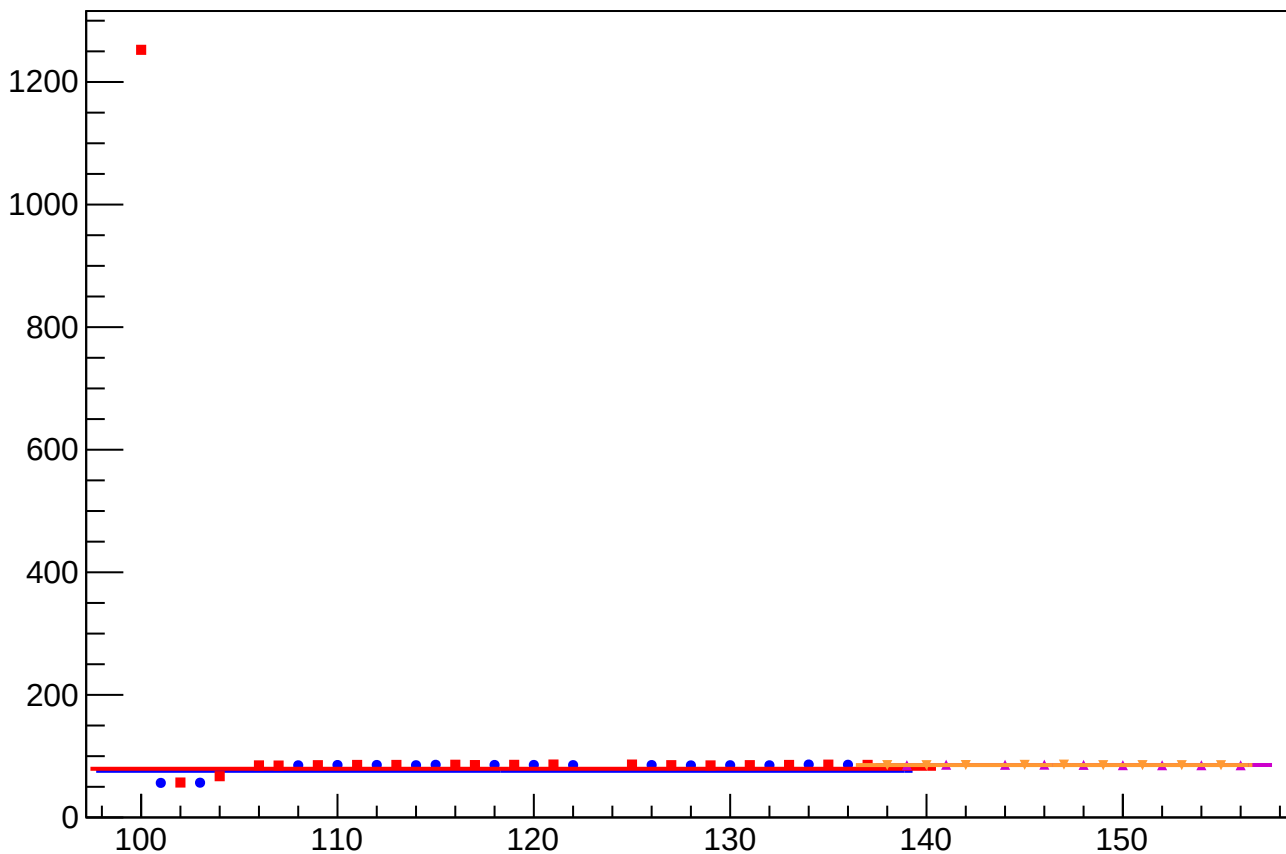
Left In: -2.234+/-31.514 χ^2 /NDF: 8.4/8

-6.546+/-22.188 χ^2 /NDF: 21.6/24

5.479+/-15.575 χ^2 /NDF: 48.7/52

17.159+/-21.869 χ^2 /NDF: 26.5/27

asym_ds_avg_rms vs Slug, Sign Corrected



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

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

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

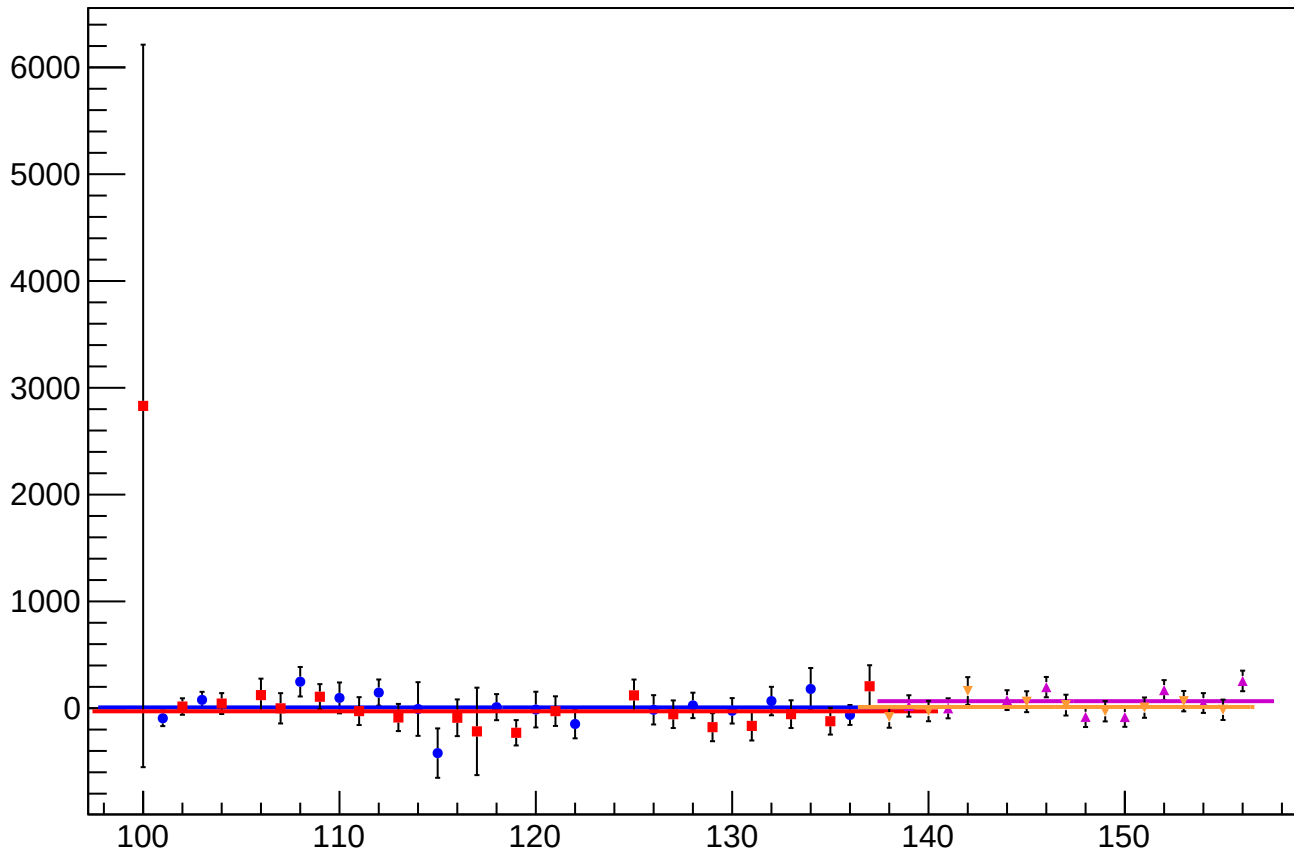
Left In: 85.600 $\pm$ 0.022 χ^2 /NDF: 287.8/8

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

81.385 $\pm$ 0.011 χ^2 /NDF: 931984.3/52

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

reg_asym_ds_dd_mean vs Slug, Sign Corrected



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

Left Out: 11.721 $\pm$ 32.967 χ^2 /NDF: 3.3/8

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

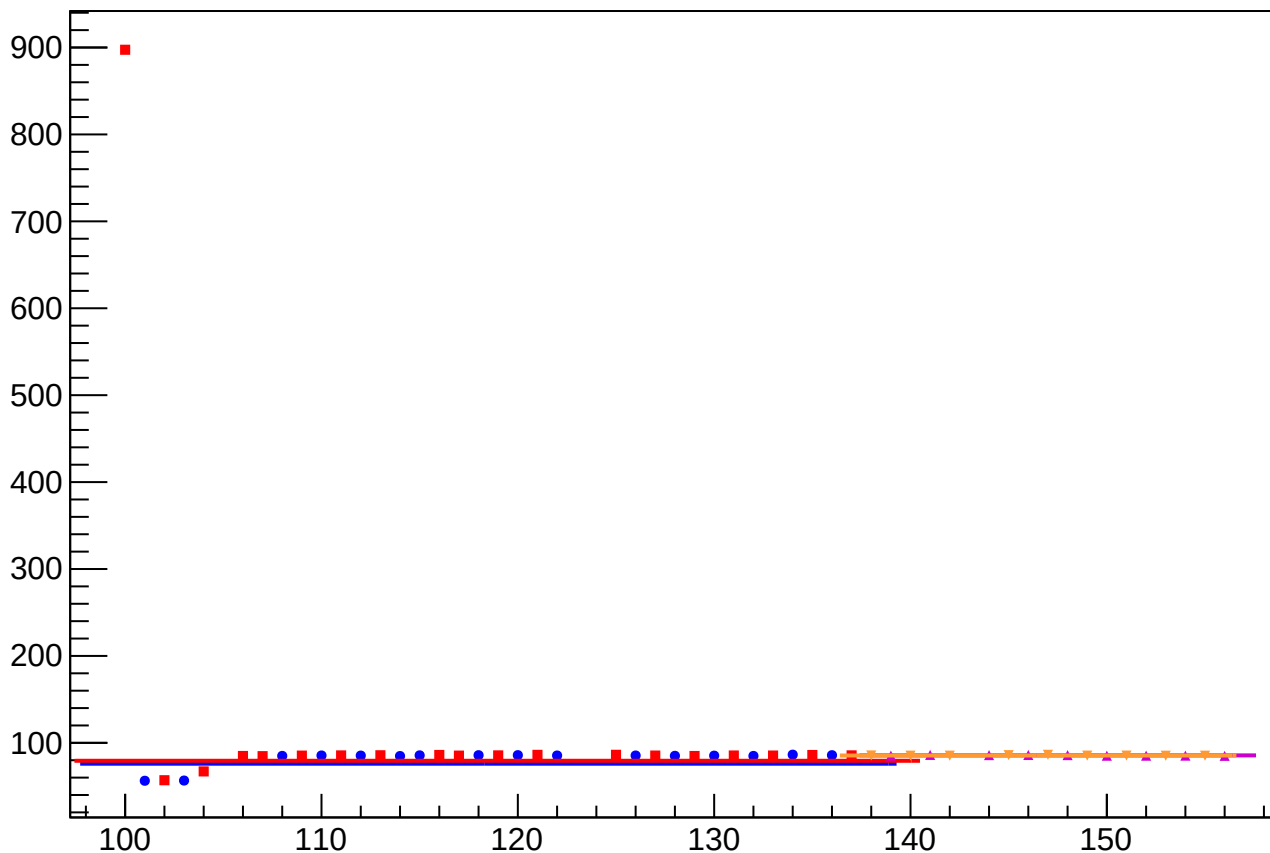
Left In: 65.964 $\pm$ 31.506 χ^2 /NDF: 12.8/8

9.388 $\pm$ 22.176 χ^2 /NDF: 17.2/24

13.108 $\pm$ 15.566 χ^2 /NDF: 47.4/52

16.721 $\pm$ 21.856 χ^2 /NDF: 30.2/27

reg_asym_ds_dd_rms vs Slug, Sign Corrected



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

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

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

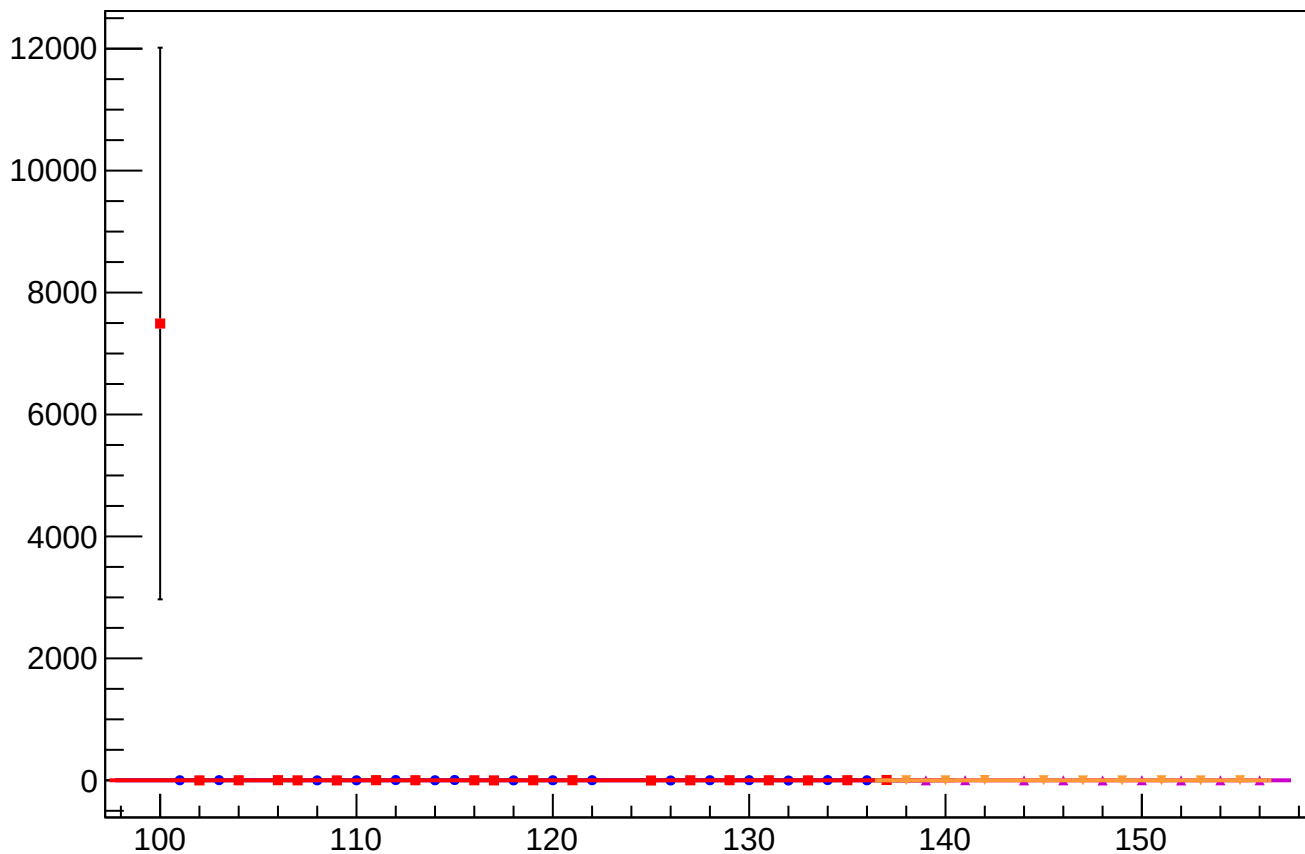
Left In: 85.577 $\pm$ 0.022 χ^2 /NDF:311.9/8

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

81.342 $\pm$ 0.011 χ^2 /NDF: 926676.0/52

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

asym_ds_dd_correction_mean vs Slug, Sign Corrected



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

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

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

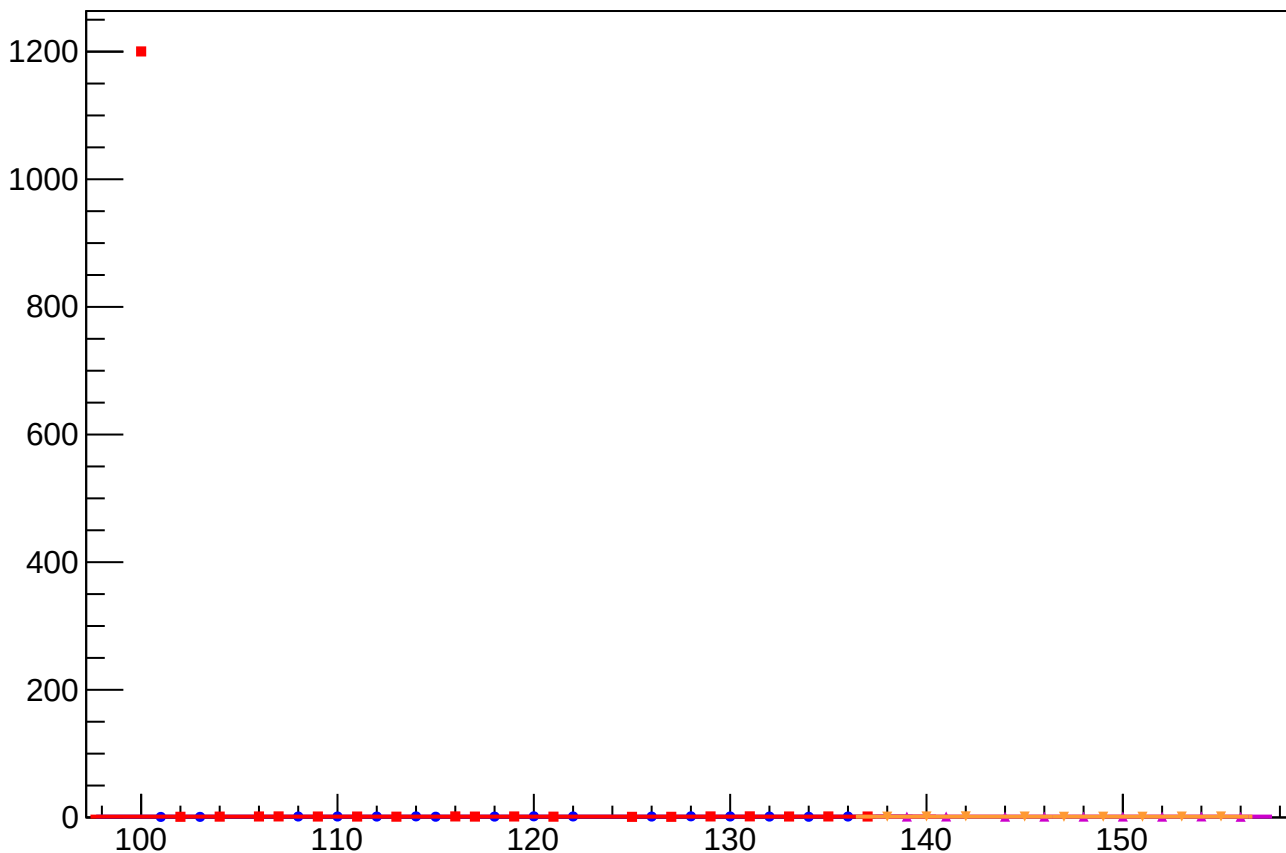
Left In: 0.116 ± 0.542 χ^2/NDF : 4.9/8

0.365 ± 0.385 χ^2/NDF : 22.0/24

0.287 ± 0.272 χ^2/NDF : 39.7/52

0.209 ± 0.385 χ^2/NDF : 17.6/27

asym_ds_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.308+/-0.000 χ^2/NDF : 214110.3/8

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

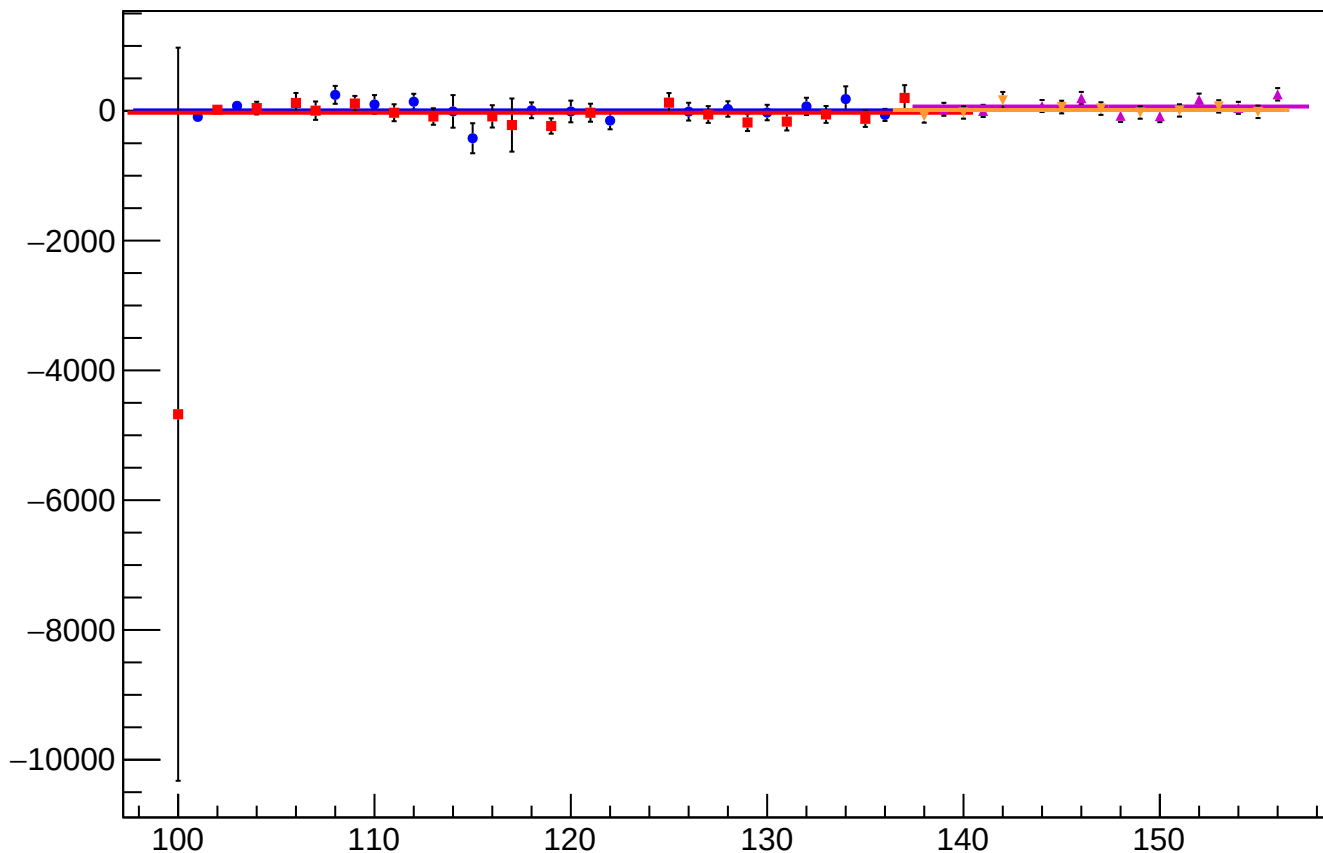
Left In: 1.345+/-0.000 χ^2/NDF : 146698.5/8

1.271+/-0.000 χ^2/NDF : 888508.5/24

1.301+/-0.000 χ^2/NDF : 1583808.5/52

1.331+/-0.000 χ^2/NDF : 670832.0/27

asym_ds_dd_mean vs Slug, Sign Corrected



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

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

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

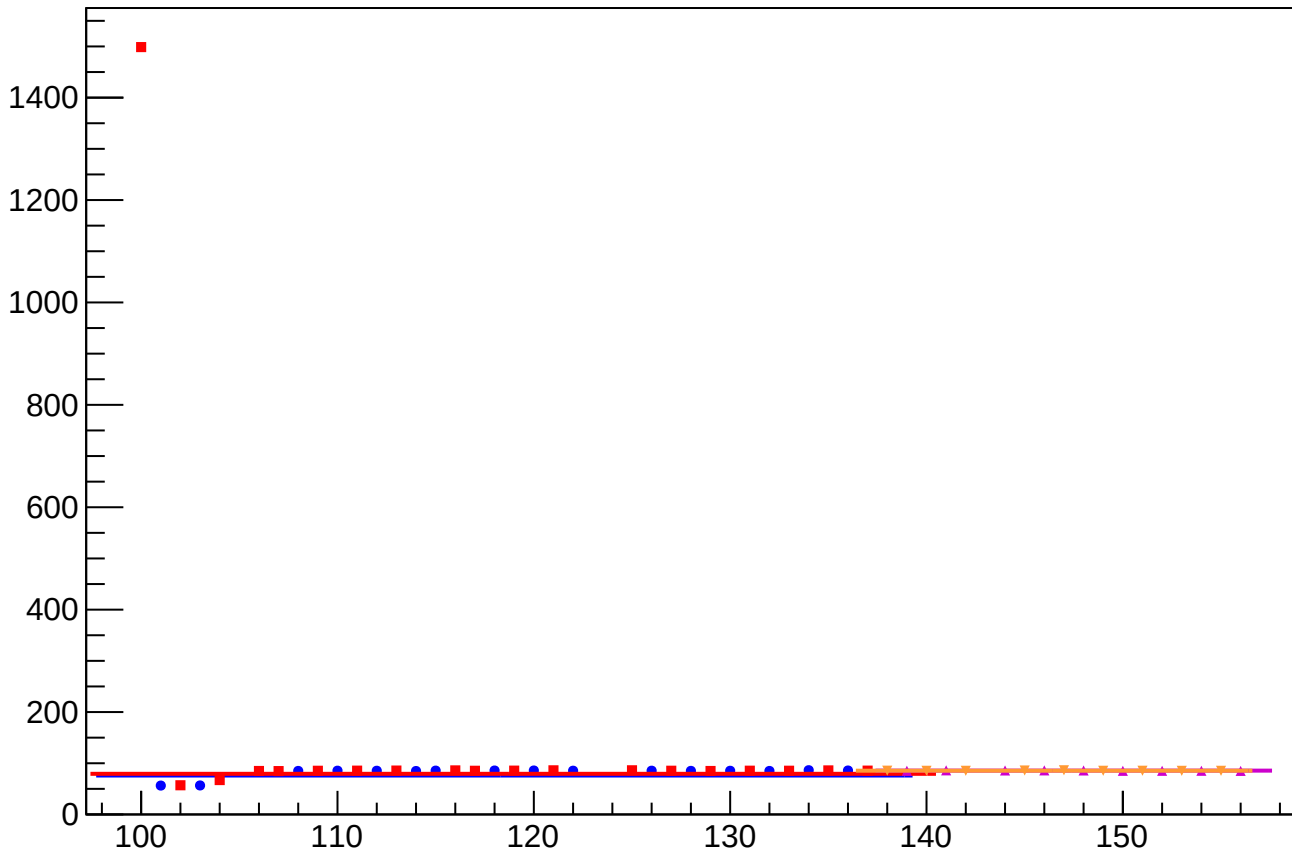
Left In: 66.133 ± 31.514 χ^2/NDF : 12.6/8

9.332 ± 22.181 χ^2/NDF : 17.1/24

12.953 ± 15.570 χ^2/NDF : 47.4/52

16.471 ± 21.862 χ^2/NDF : 30.2/27

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

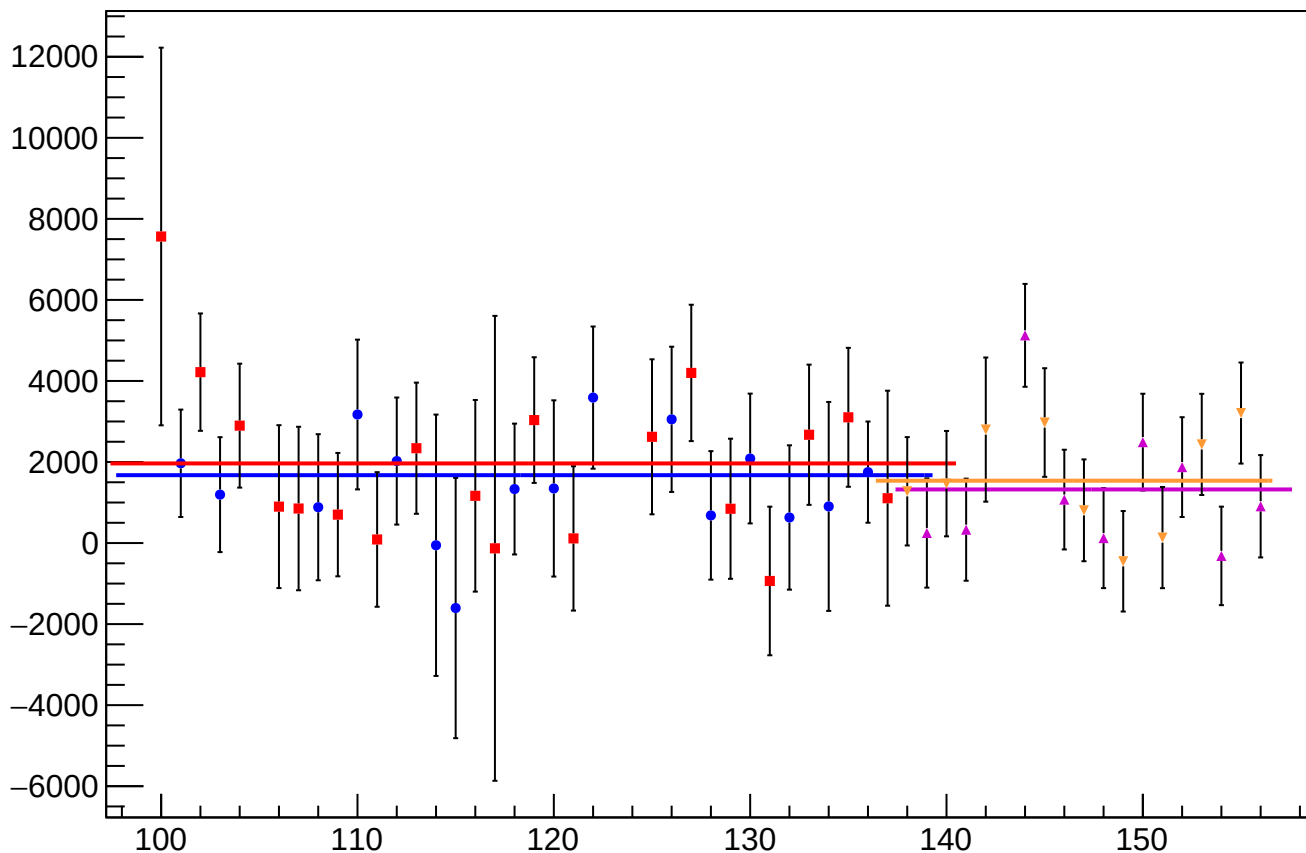
Left In: 85.600 $\pm$ 0.022 χ^2 /NDF: 312.0/8

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

81.357 $\pm$ 0.011 χ^2 /NDF: 936174.6/52

82.369 $\pm$ 0.015 χ^2 /NDF: 428894.3/27

reg_asym_usl_mean vs Slug, Sign Corrected



Right In: 1674.993 ± 430.597 χ^2/NDF : 5.1/15

Left Out: 1538.708 ± 437.134 χ^2/NDF : 8.2/8

Right Out: 1964.936 ± 421.265 χ^2/NDF : 14.2/18

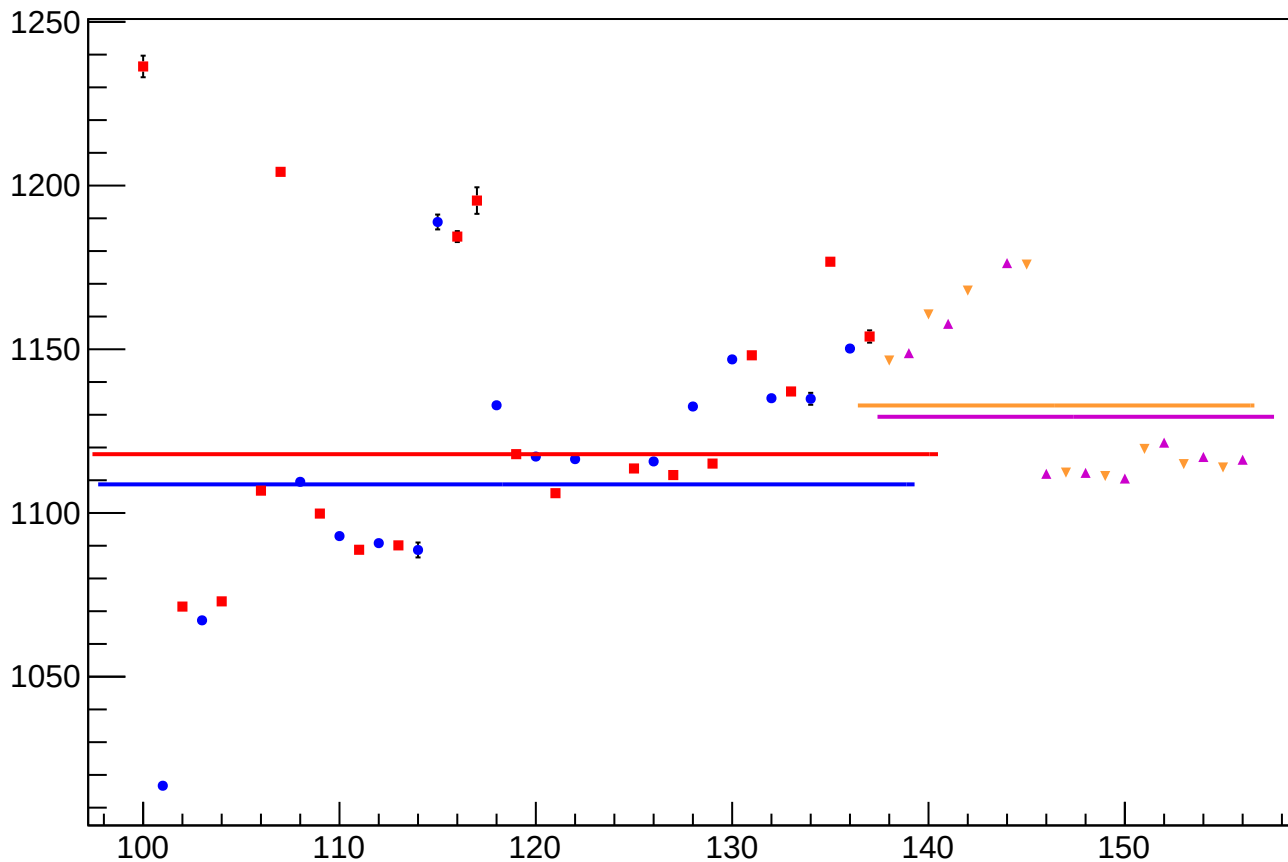
Left In: 1322.958 ± 415.860 χ^2/NDF : 14.3/8

1607.878 ± 306.763 χ^2/NDF : 13.4/24

1624.413 ± 212.988 χ^2/NDF : 43.0/52

1639.803 ± 295.950 χ^2/NDF : 29.6/27

reg_asym_usl_rms vs Slug, Sign Corrected



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

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

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

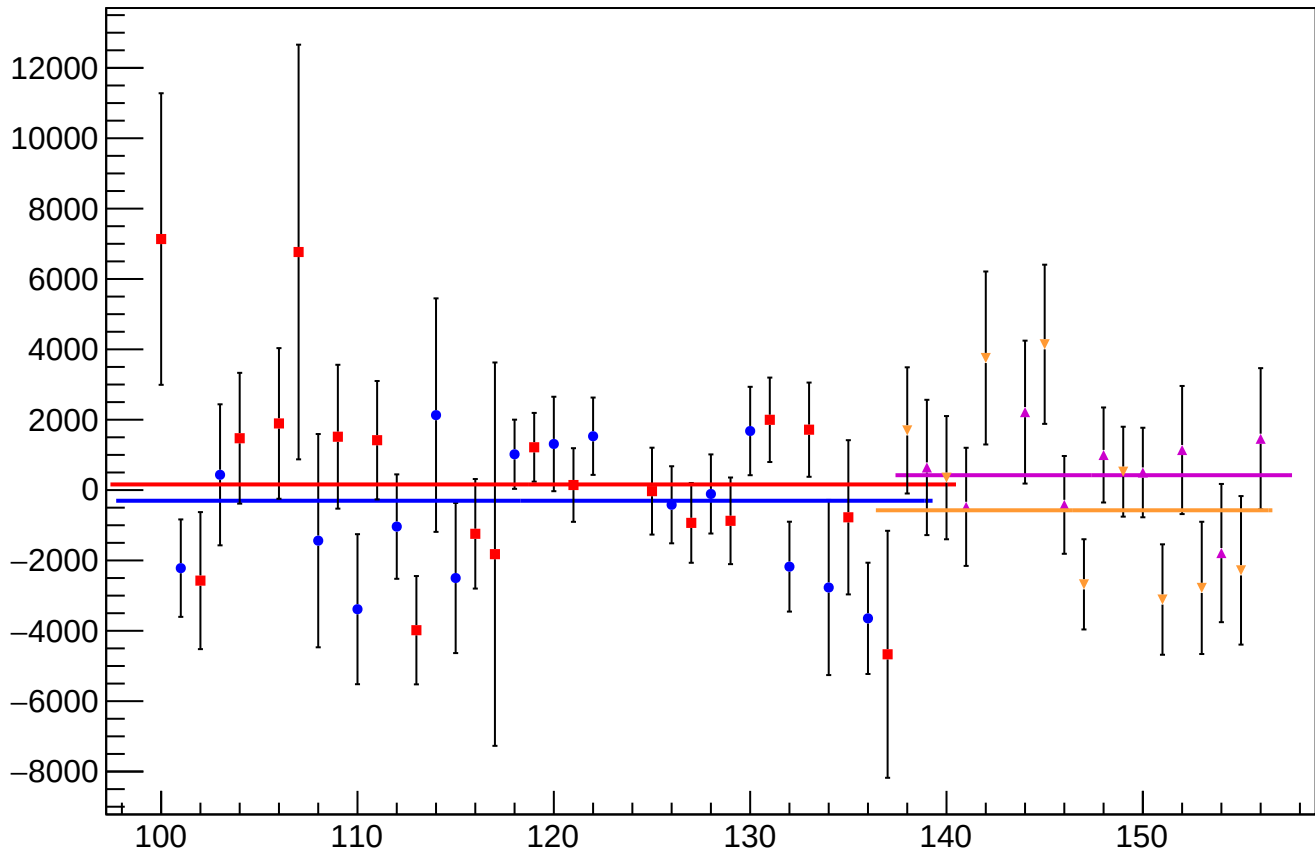
Left In: 1129.385 $\pm$ 0.294 χ^2 /NDF: 5952.1/8

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

1122.232 $\pm$ 0.151 χ^2 /NDF: 50053.4/52

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

asym_usl_correction_mean vs Slug, Sign Corrected



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

Left Out: -574.365+/-565.059 χ^2/NDF : 17.4/8

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

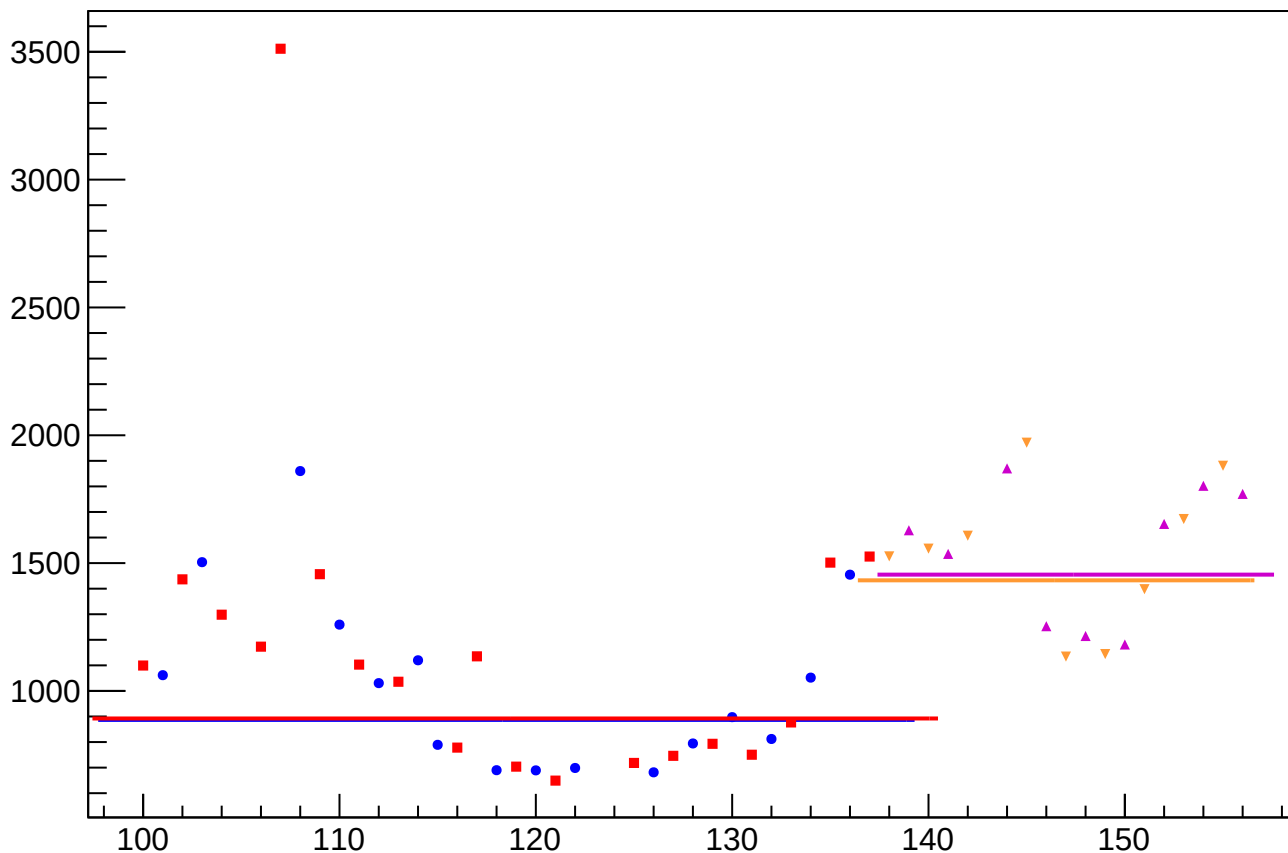
Left In: 422.743+/-545.556 χ^2/NDF : 3.3/8

-381.605+/-303.658 χ^2/NDF : 39.9/24

-65.512+/-212.629 χ^2/NDF : 70.5/52

238.570+/-297.832 χ^2/NDF : 28.5/27

asym_usl_correction_rms vs Slug, Sign Corrected



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

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

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

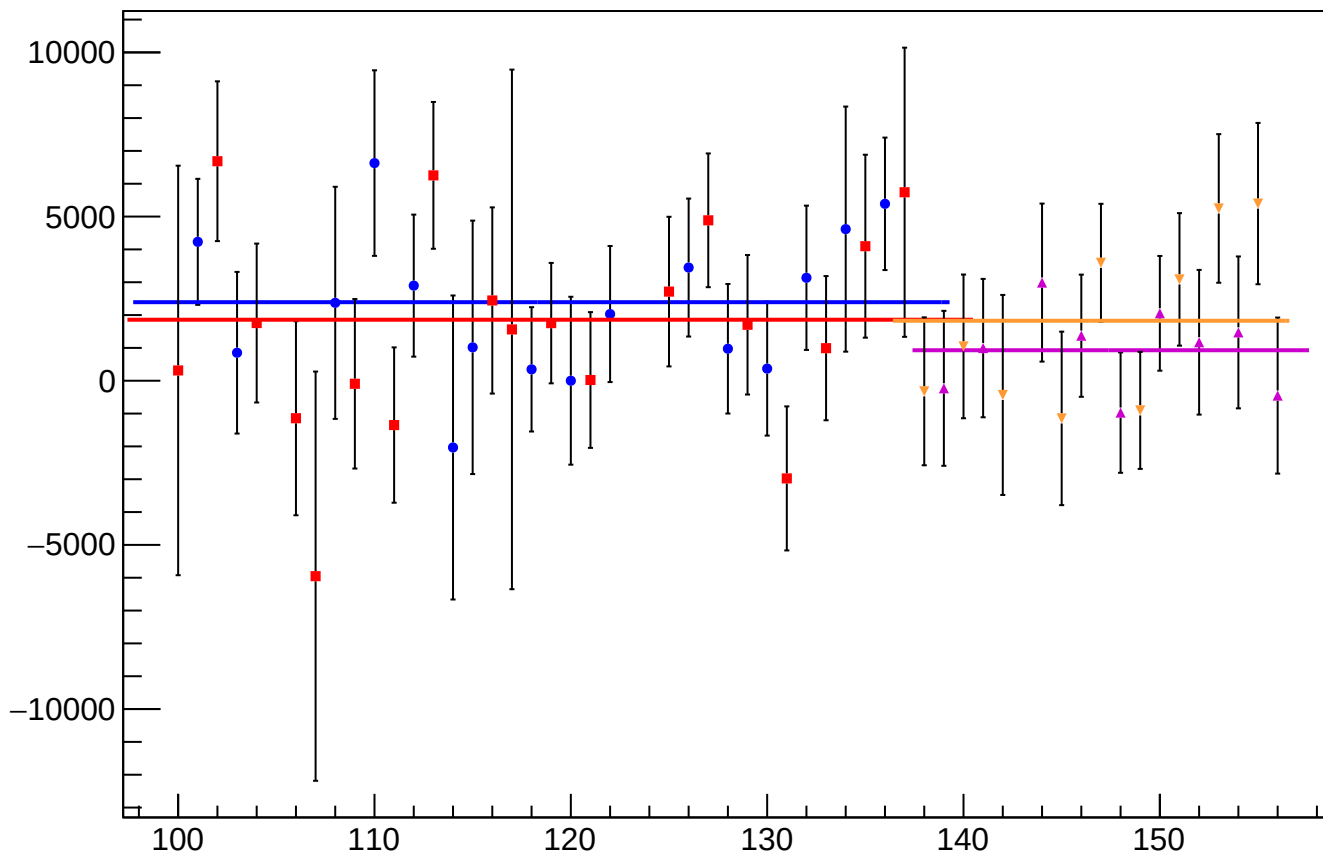
Left In: 1454.918+/-0.386 χ^2/NDF : 438004.7/8

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

1052.290+/-0.150 χ^2/NDF : 6213521.8/52

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

asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1826.786 $\pm$ 727.753 χ^2/NDF : 11.0/8

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

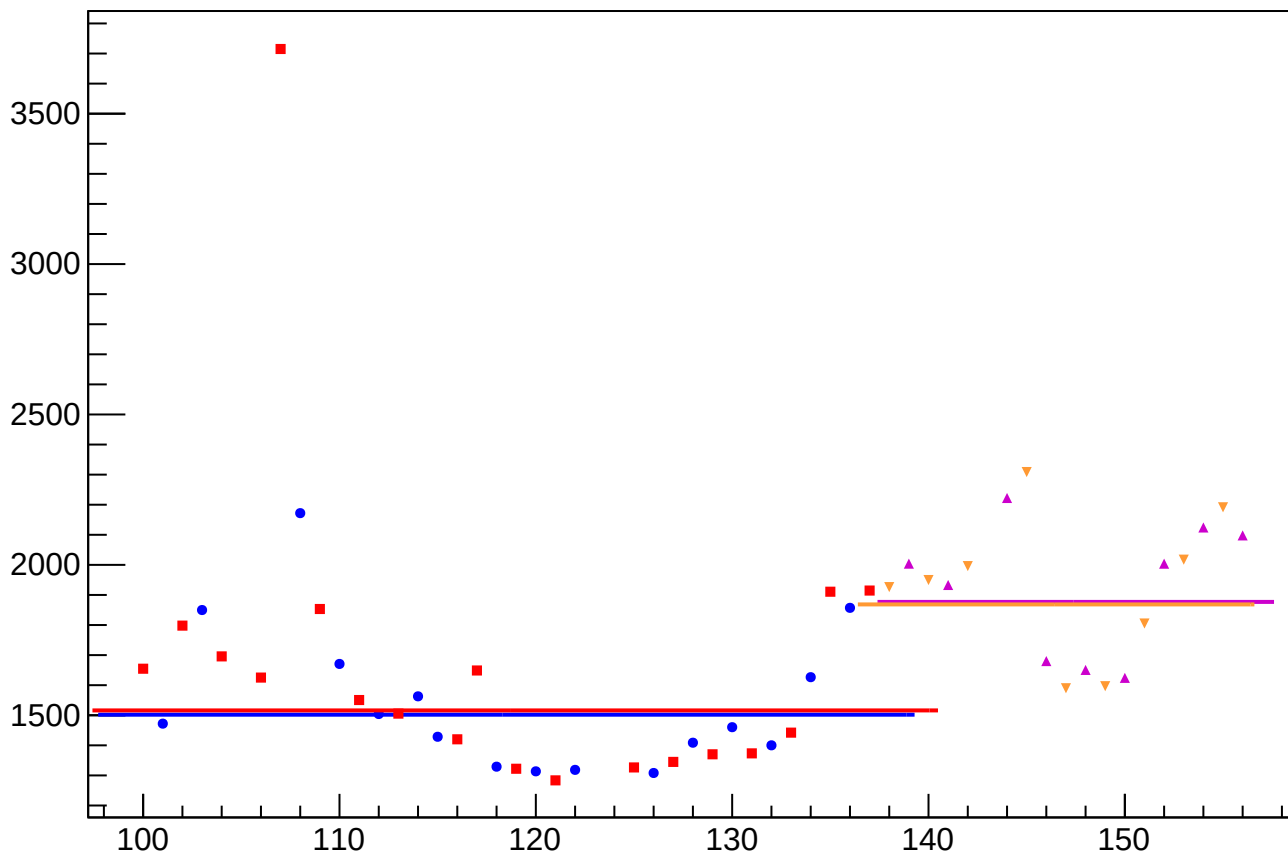
Left In: 928.680 $\pm$ 696.499 χ^2/NDF : 2.9/8

2168.535 $\pm$ 457.834 χ^2/NDF : 22.5/24

1813.722 $\pm$ 319.618 χ^2/NDF : 50.1/52

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

asym_usl_rms vs Slug, Sign Corrected



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

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

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

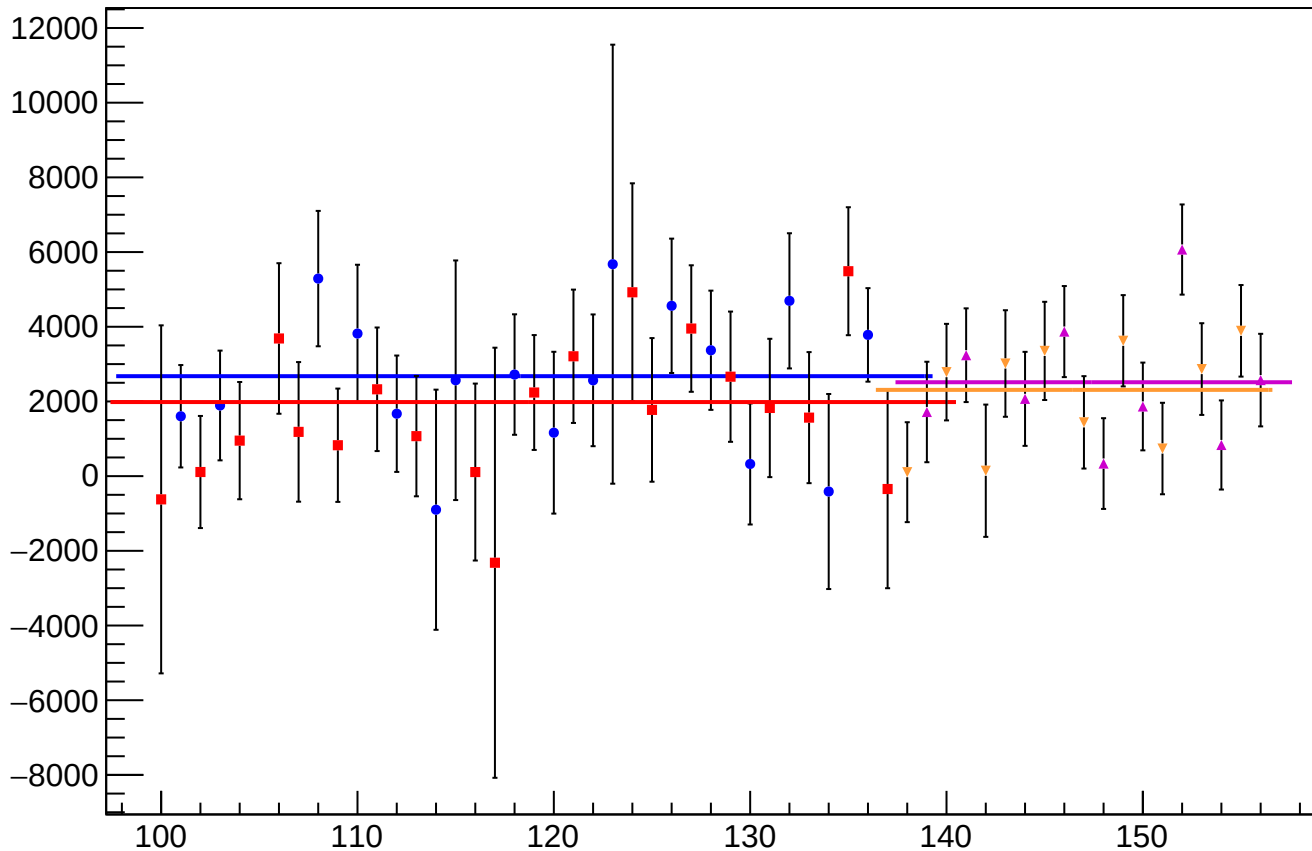
Left In: 1876.856 $\pm$ 0.492 χ^2 /NDF: 189866.3/8

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

1655.884 $\pm$ 0.226 χ^2 /NDF: 1751867.2/52

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

reg_asym_usr_mean vs Slug, Sign Corrected



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

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

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

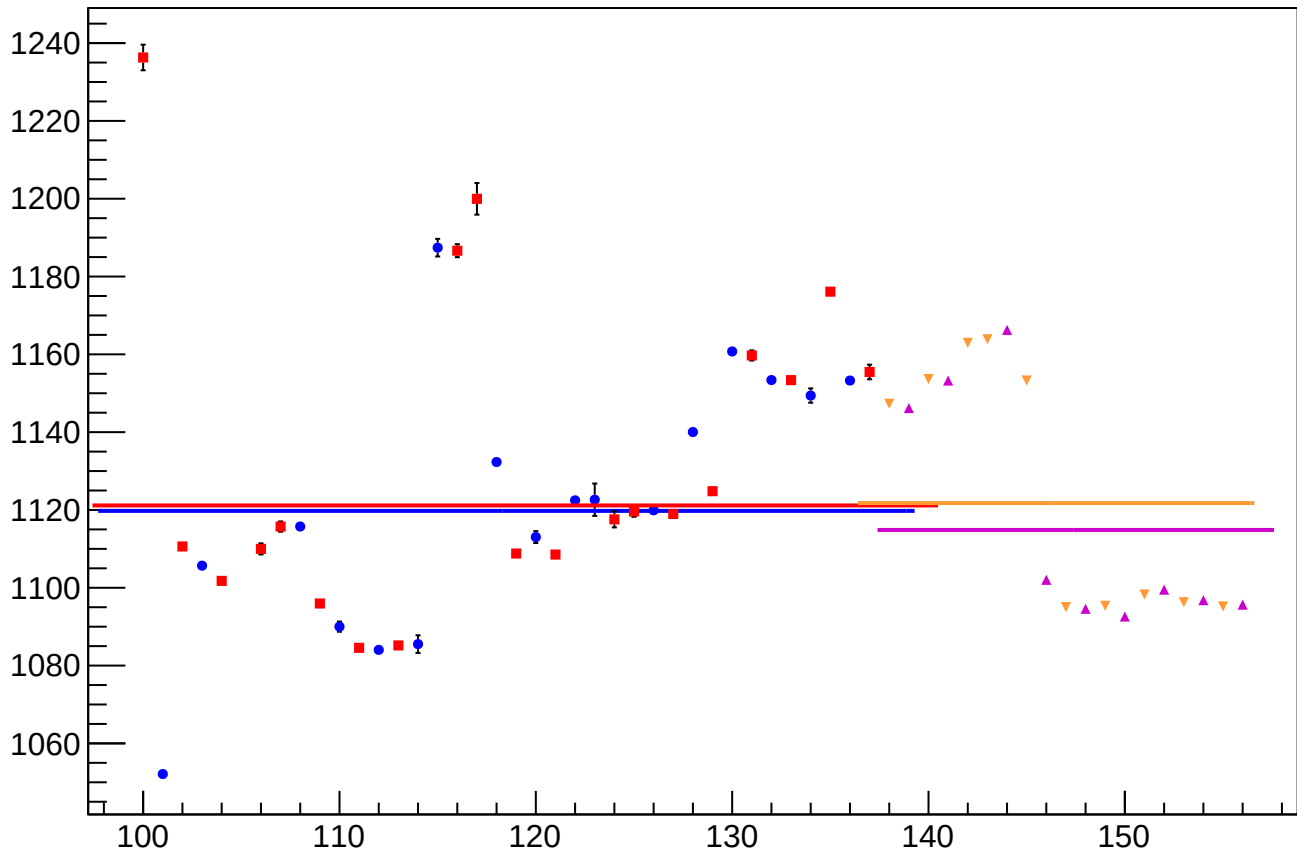
Left In: 2514.415 $\pm$ 410.555 χ^2 /NDF: 16.2/8

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

2366.745 $\pm$ 209.253 χ^2 /NDF: 54.0/55

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

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

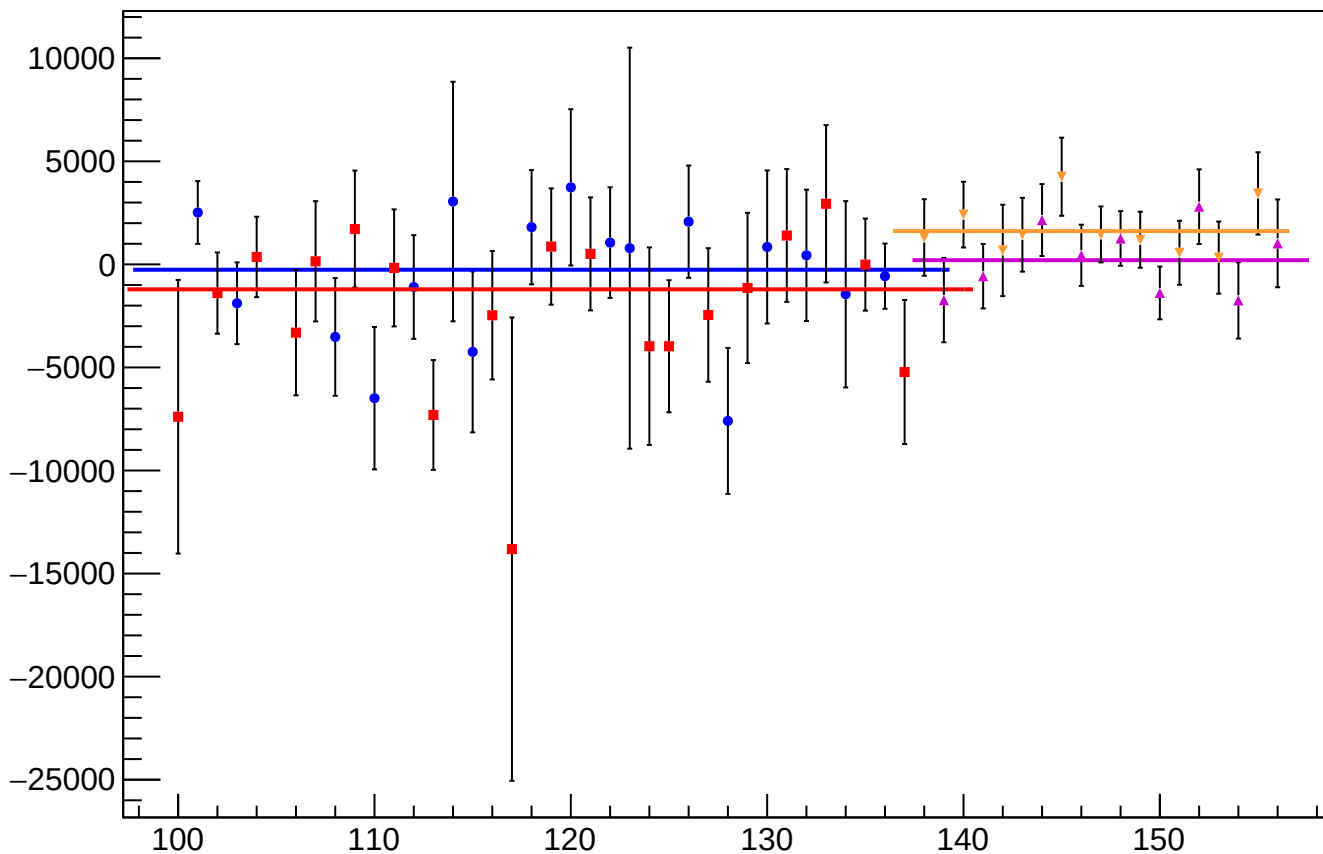
Left In: 1114.862 $\pm$ 0.290 χ^2 /NDF: 9050.3/8

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

1119.357 $\pm$ 0.148 χ^2 /NDF: 41907.7/55

1117.956 $\pm$ 0.207 χ^2 /NDF: 19592.4/28

asym_usr_correction_mean vs Slug, Sign Corrected



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

Left Out: 1614.741+/-530.418 χ^2/NDF : 4.4/9

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

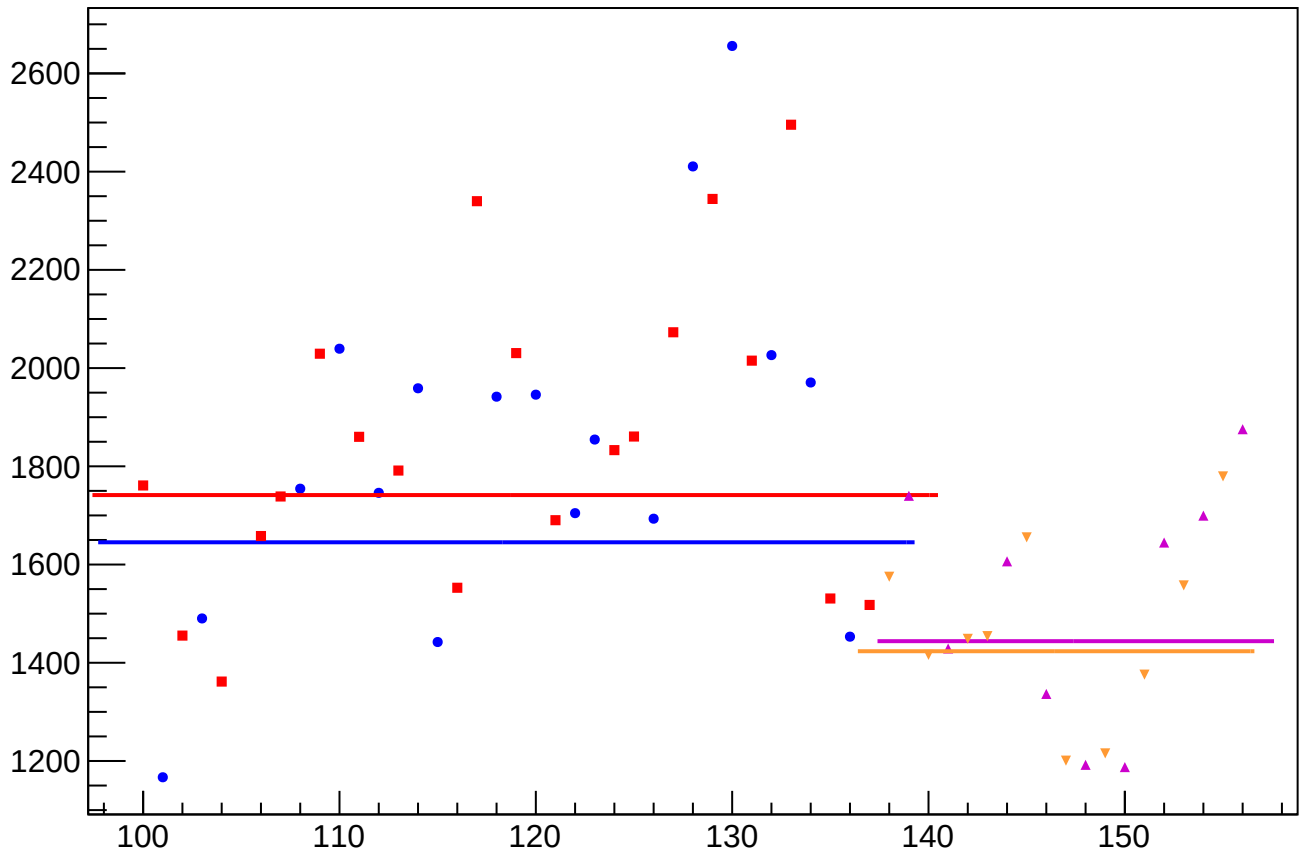
Left In: 202.297+/-540.044 χ^2/NDF : 7.9/8

872.692+/-412.278 χ^2/NDF : 26.5/26

263.624+/-293.624 χ^2/NDF : 57.3/55

-363.312+/-418.282 χ^2/NDF : 26.3/28

asym_usr_correction_rms vs Slug, Sign Corrected



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

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

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

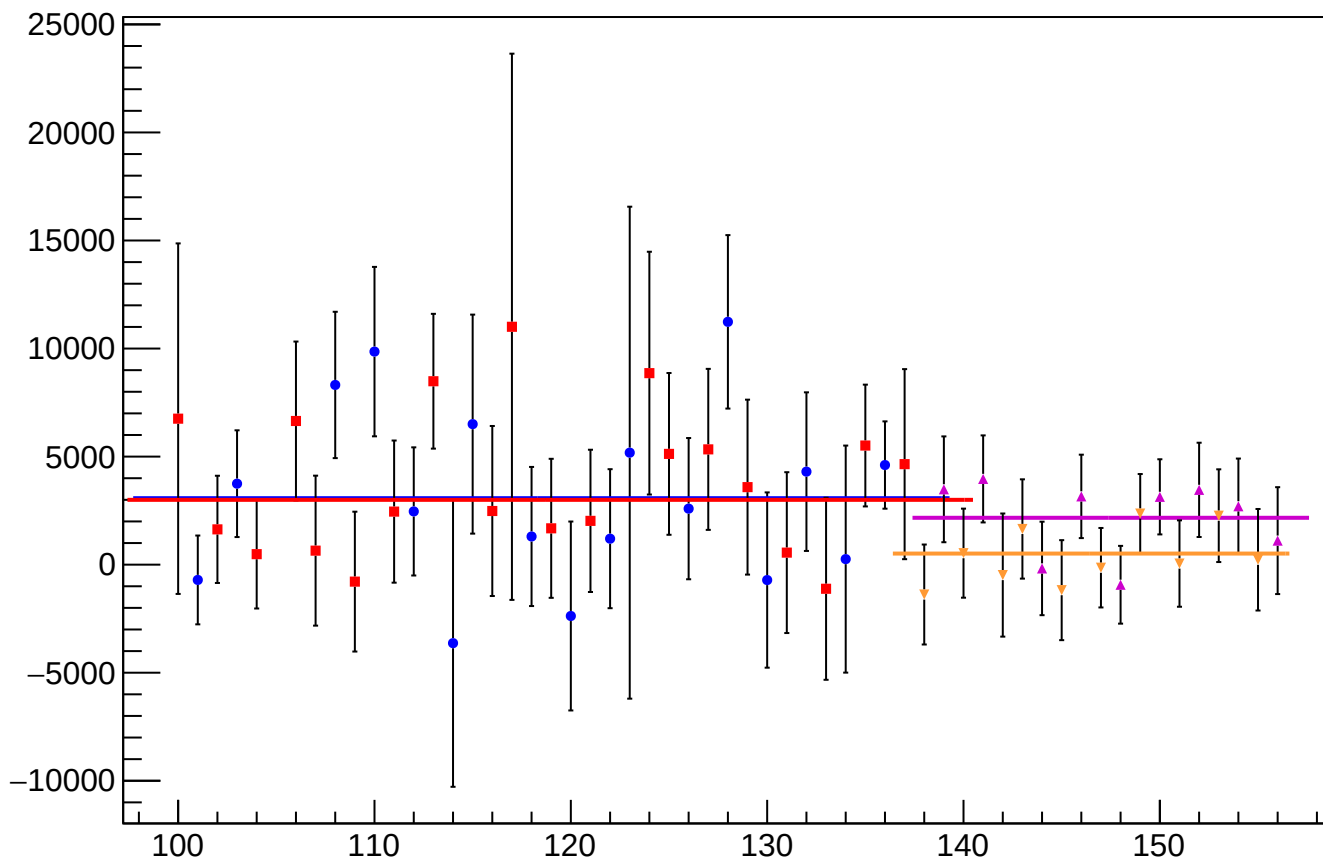
Left In: 1443.962 +/- 0.382 χ^2/NDF : 367380.1/8

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

1536.766 +/- 0.208 χ^2/NDF : 1963876.4/55

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

asym_usr_mean vs Slug, Sign Corrected



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

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

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

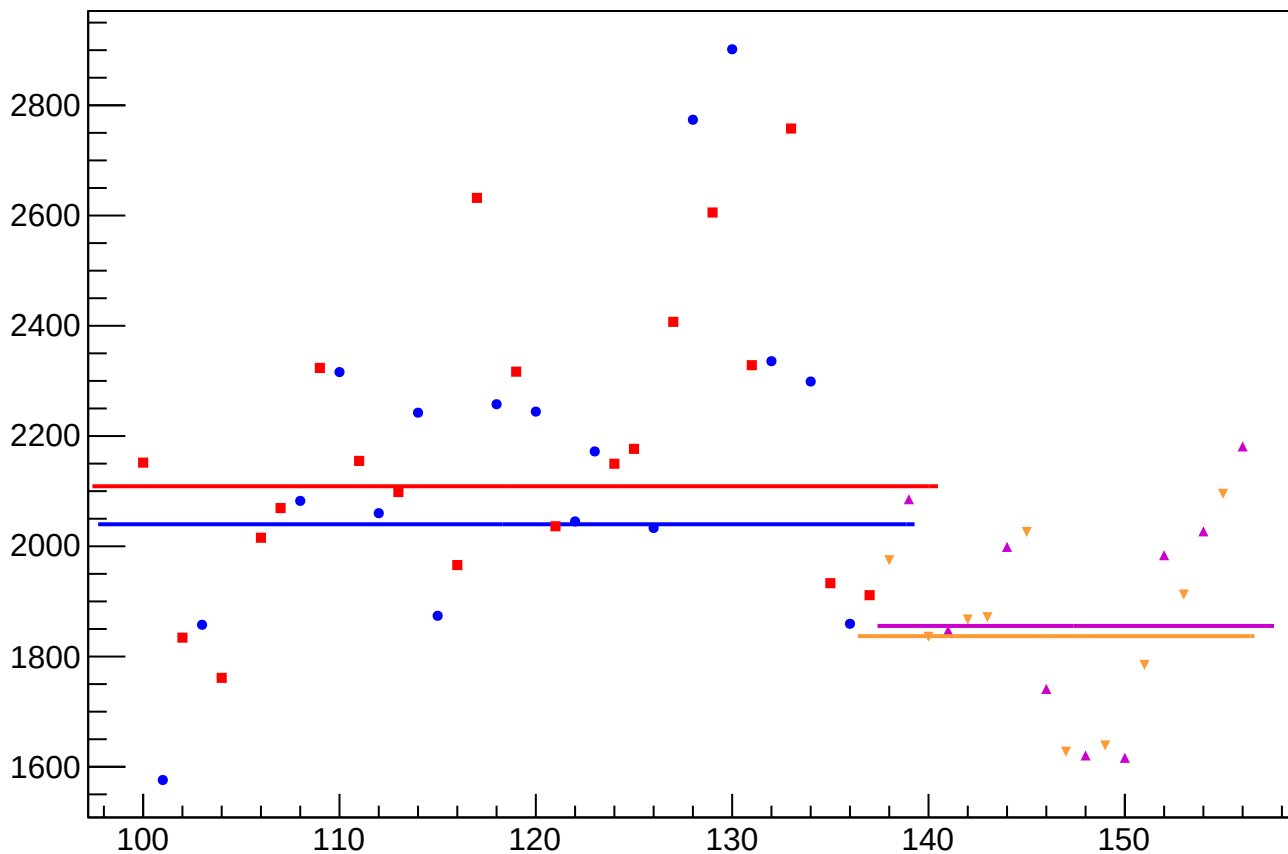
Left In: 2168.702 $\pm$ 687.735 χ^2/NDF : 6.4/8

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

2053.047 $\pm$ 367.136 χ^2/NDF : 48.9/55

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

asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1836.973 $\pm$ 0.481 χ^2/NDF :98620.5/9

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

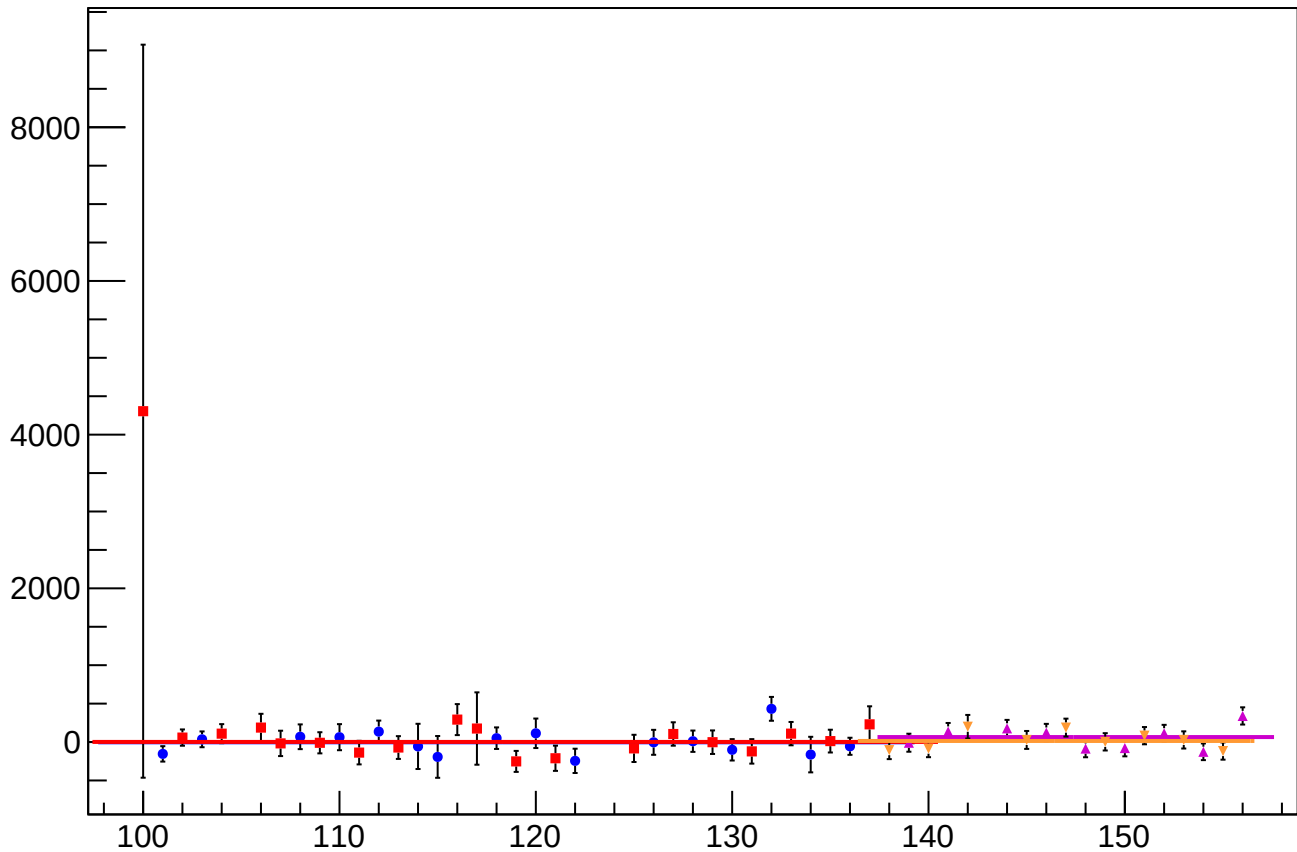
Left In: 1855.518 $\pm$ 0.486 χ^2/NDF :159114.4/8

1921.775 $\pm$ 0.367 χ^2/NDF : 505135.2/26

1942.896 $\pm$ 0.260 χ^2/NDF : 986155.6/55

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

reg_asym_dsl_mean vs Slug, Sign Corrected



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

Left Out: 13.994+/-38.891 χ^2/NDF : 7.3/8

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

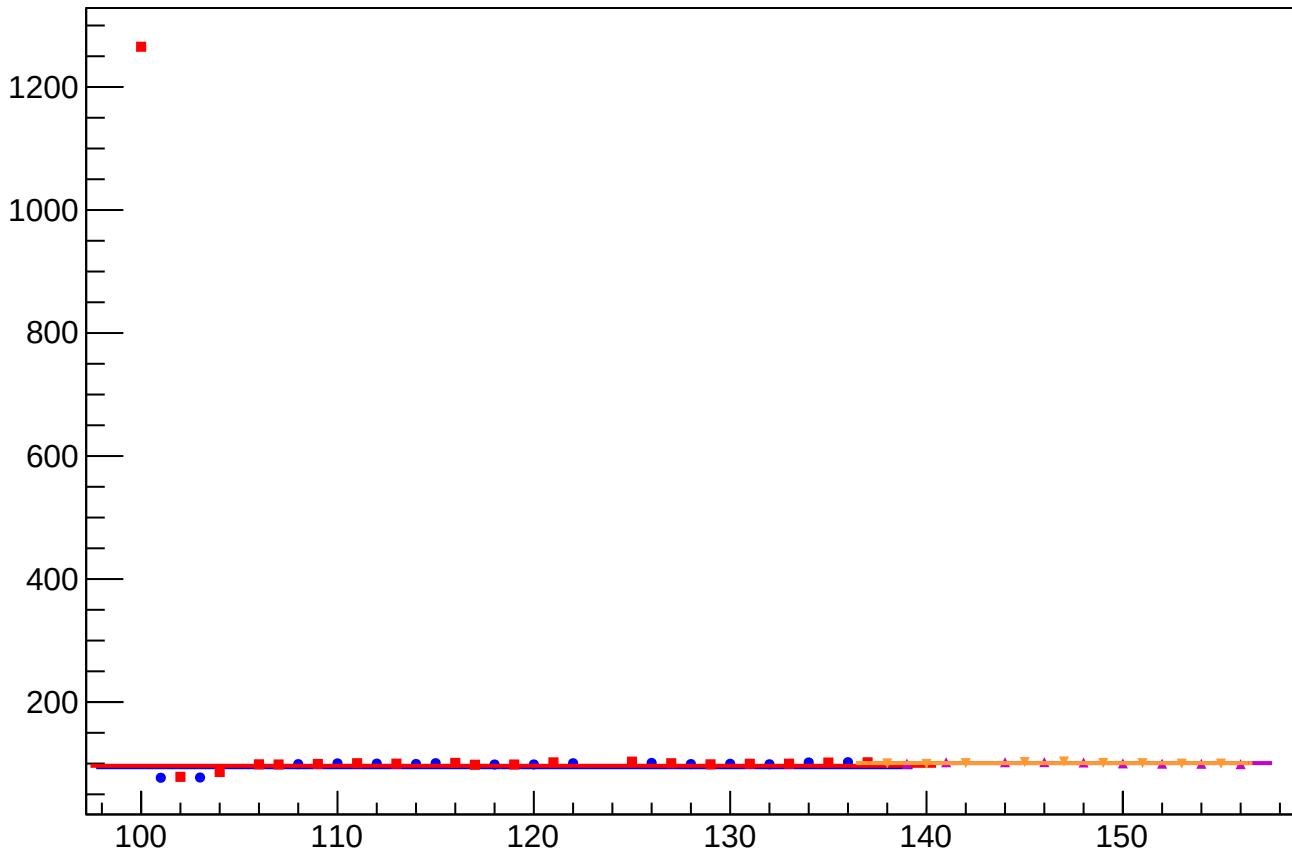
Left In: 64.793+/-37.122 χ^2/NDF : 15.0/8

4.859+/-26.697 χ^2/NDF : 23.6/24

19.122+/-18.648 χ^2/NDF : 54.7/52

32.711+/-26.058 χ^2/NDF : 30.5/27

reg_asym_dsl_rms vs Slug, Sign Corrected



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

Left Out: 100.800 $\pm$ 0.027 χ^2 /NDF: 1920.2/8

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

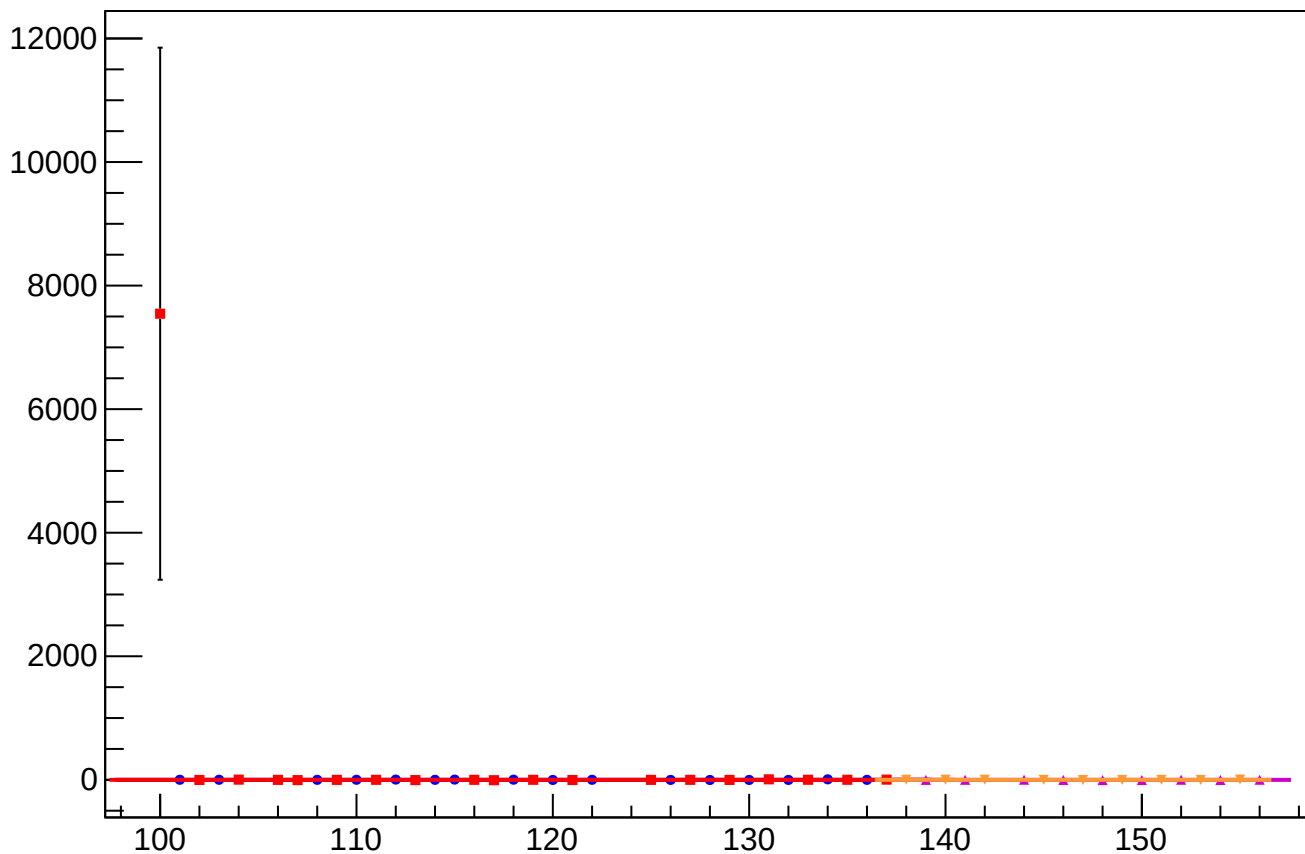
Left In: 100.825 $\pm$ 0.026 χ^2 /NDF: 2180.0/8

97.240 $\pm$ 0.019 χ^2 /NDF: 185889.4/24

97.922 $\pm$ 0.013 χ^2 /NDF: 414401.1/52

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

asym_dsl_correction_mean vs Slug, Sign Corrected



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

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

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

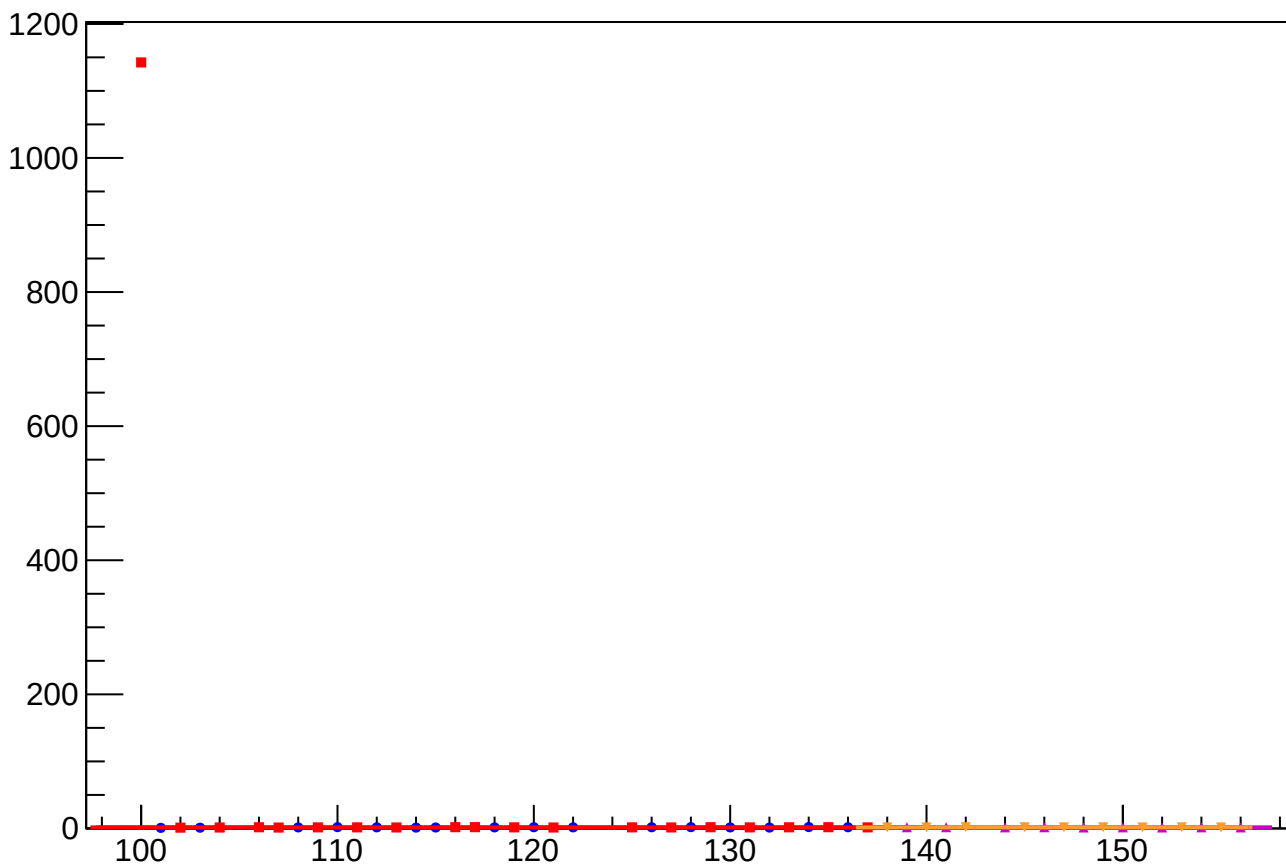
Left In: -0.553+/-0.667 χ^2/NDF : 11.0/8

0.026+/-0.452 χ^2/NDF : 21.4/24

-0.202+/-0.323 χ^2/NDF : 56.1/52

-0.440+/-0.462 χ^2/NDF : 34.1/27

asym_dsl_correction_rms vs Slug, Sign Corrected



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

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

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

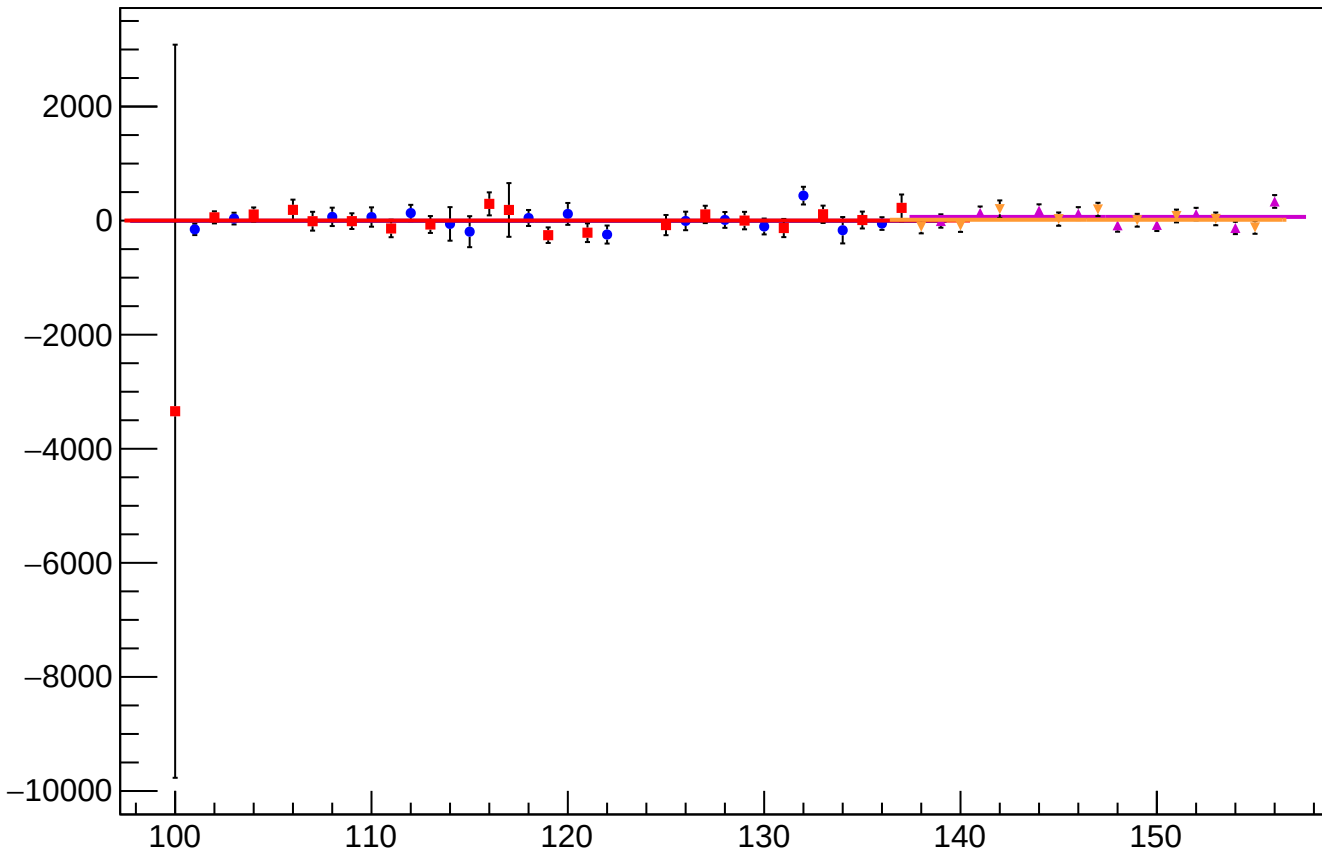
Left In: 1.681+/-0.000 χ^2/NDF : 75697.7/8

1.495+/-0.000 χ^2/NDF : 837812.1/24

1.554+/-0.000 χ^2/NDF : 1338920.6/52

1.617+/-0.000 χ^2/NDF : 430078.7/27

asym_dsl_mean vs Slug, Sign Corrected



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

Left Out: 14.939+/-38.901 χ^2/NDF :7.6/8

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

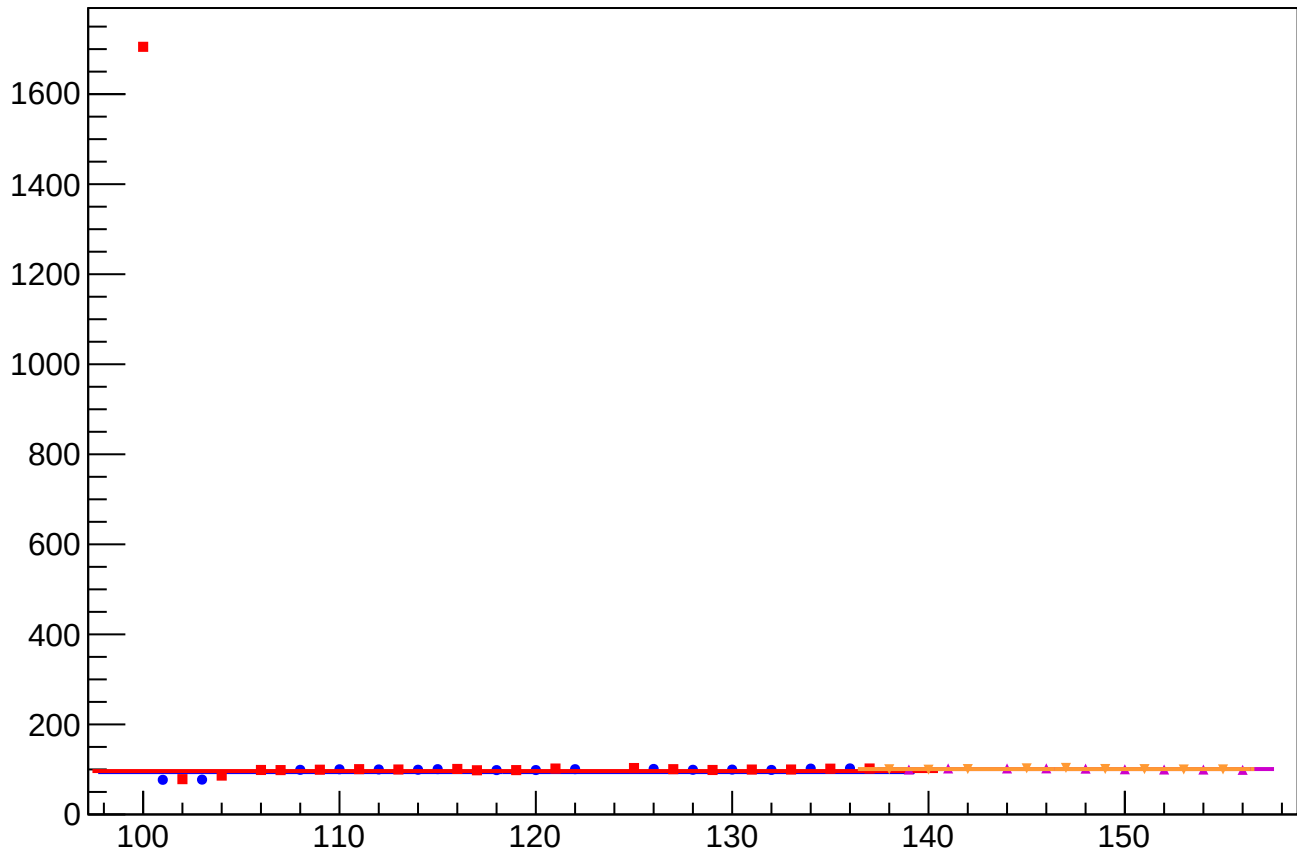
Left In: 65.055+/-37.131 χ^2/NDF :14.6/8

5.401+/-26.704 χ^2/NDF : 24.0/24

19.389+/-18.653 χ^2/NDF : 54.3/52

32.716+/-26.065 χ^2/NDF : 29.8/27

asym_dsl_rms vs Slug, Sign Corrected



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

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

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

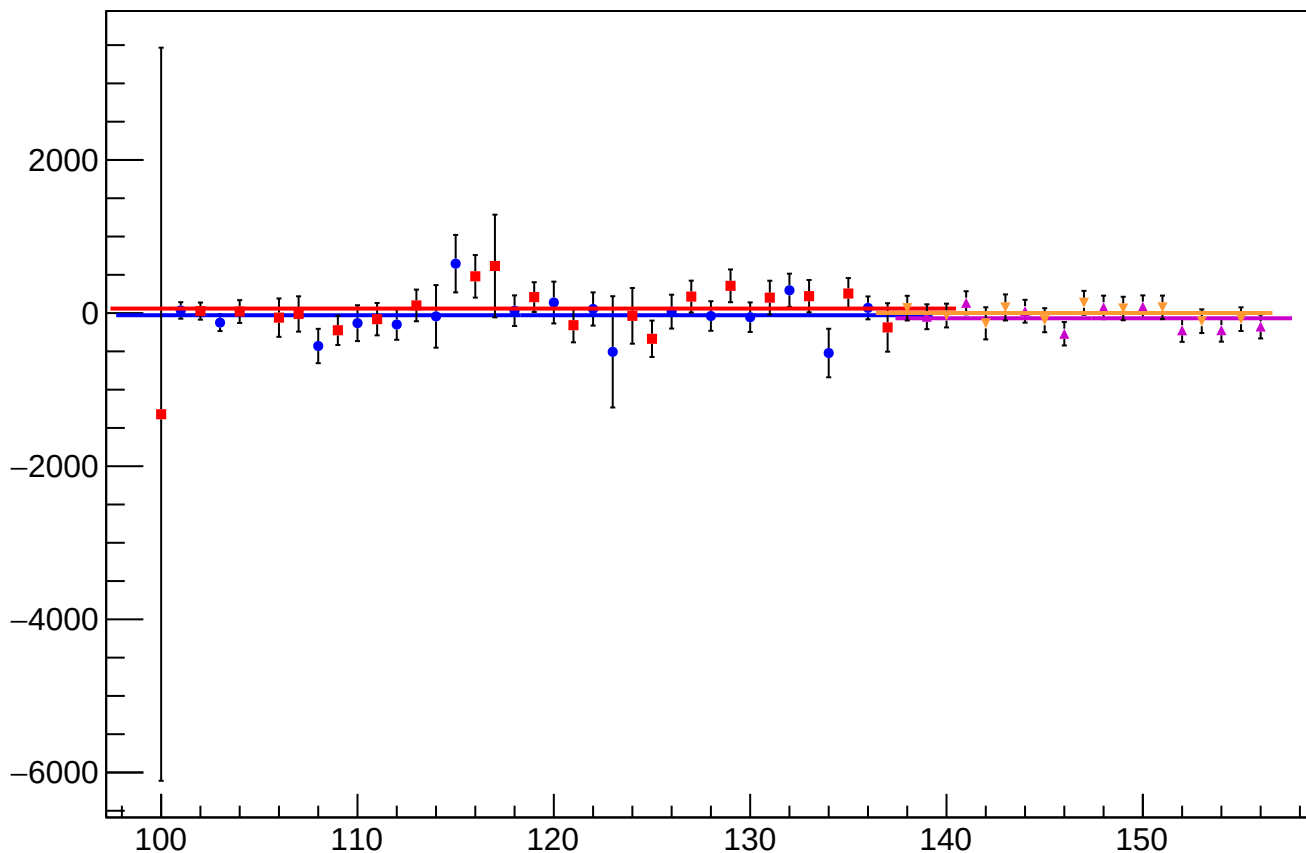
Left In: 100.852+/-0.026 χ^2/NDF : 2179.5/8

97.265+/-0.019 χ^2/NDF : 185907.4/24

97.944+/-0.013 χ^2/NDF : 419635.7/52

98.590+/-0.018 χ^2/NDF : 231210.4/27

reg_asym_dsr_mean vs Slug, Sign Corrected



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

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

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

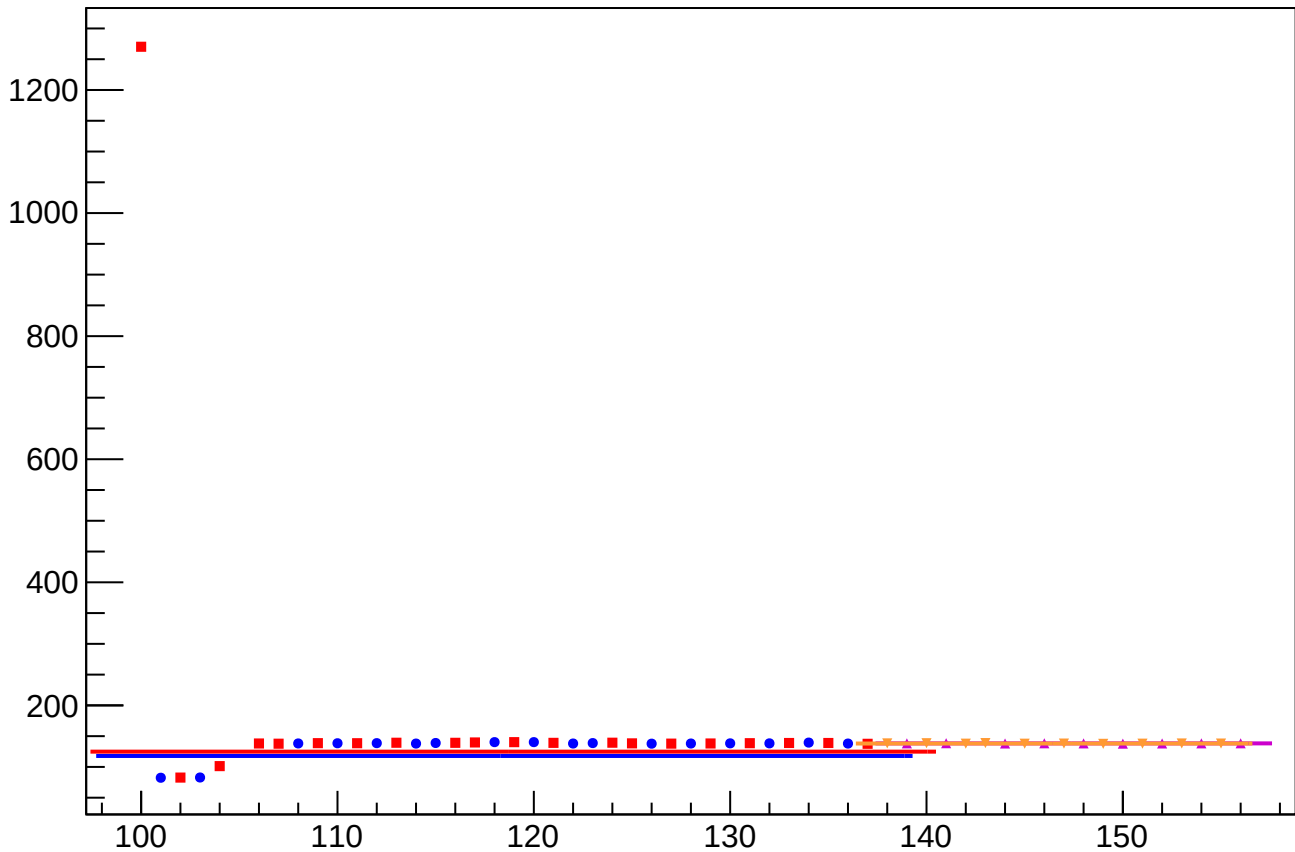
Left In: -67.532 ± 50.903 χ^2/NDF : 8.4/8

-14.535 ± 34.409 χ^2/NDF : 17.5/26

-7.292 ± 24.455 χ^2/NDF : 44.9/55

0.101 ± 34.763 χ^2/NDF : 27.3/28

reg_asym_dsr_rms vs Slug, Sign Corrected



Right In: 117.815 $\pm$ 0.033 χ^2 /NDF: 666581.7/16

Left Out: 138.032 $\pm$ 0.036 χ^2 /NDF: 98.5/9

Right Out: 124.839 $\pm$ 0.034 χ^2 /NDF: 570766.0/19

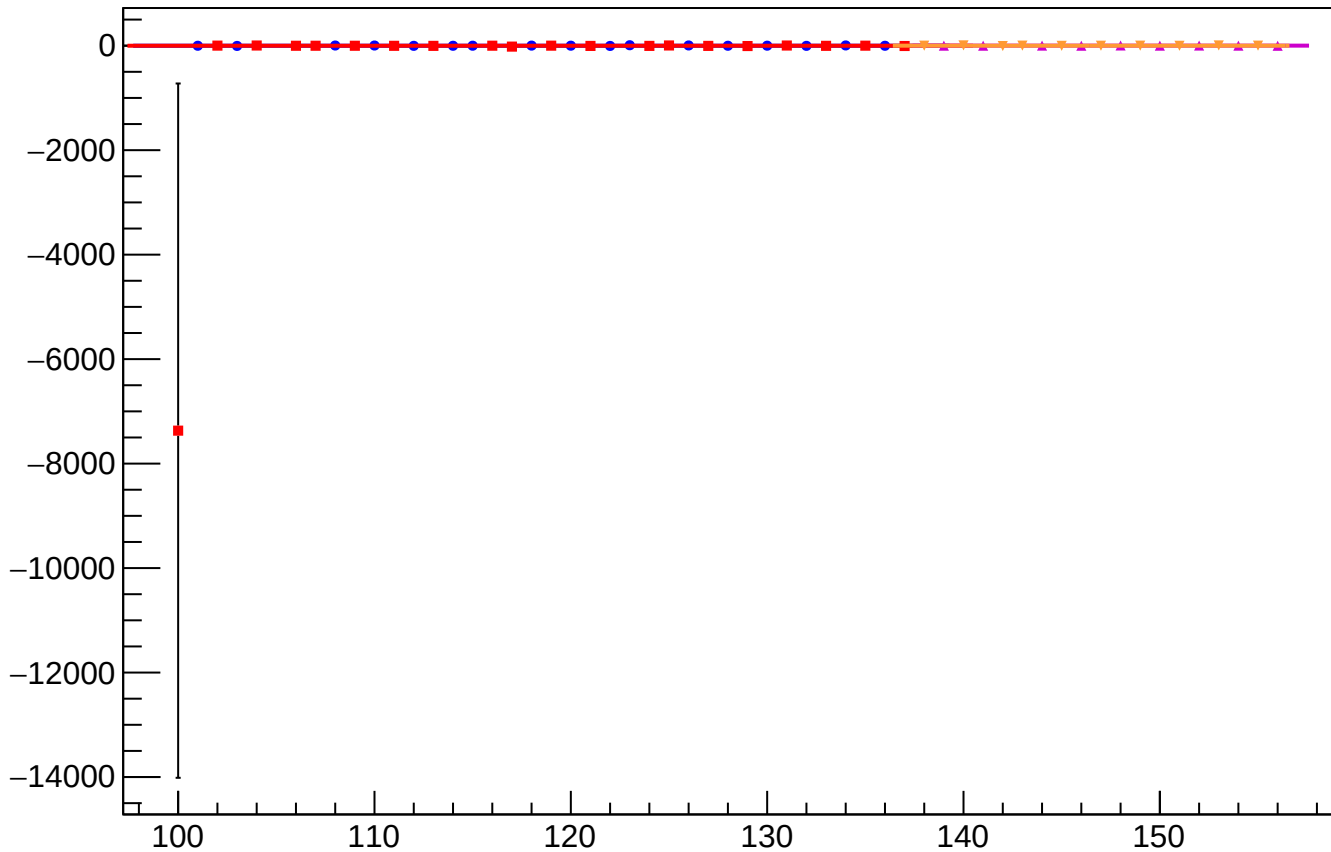
Left In: 138.262 $\pm$ 0.036 χ^2 /NDF: 30.2/8

127.092 $\pm$ 0.024 χ^2 /NDF: 838117.9/26

129.075 $\pm$ 0.017 χ^2 /NDF: 1496548.8/55

131.099 $\pm$ 0.025 χ^2 /NDF: 645008.3/28

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

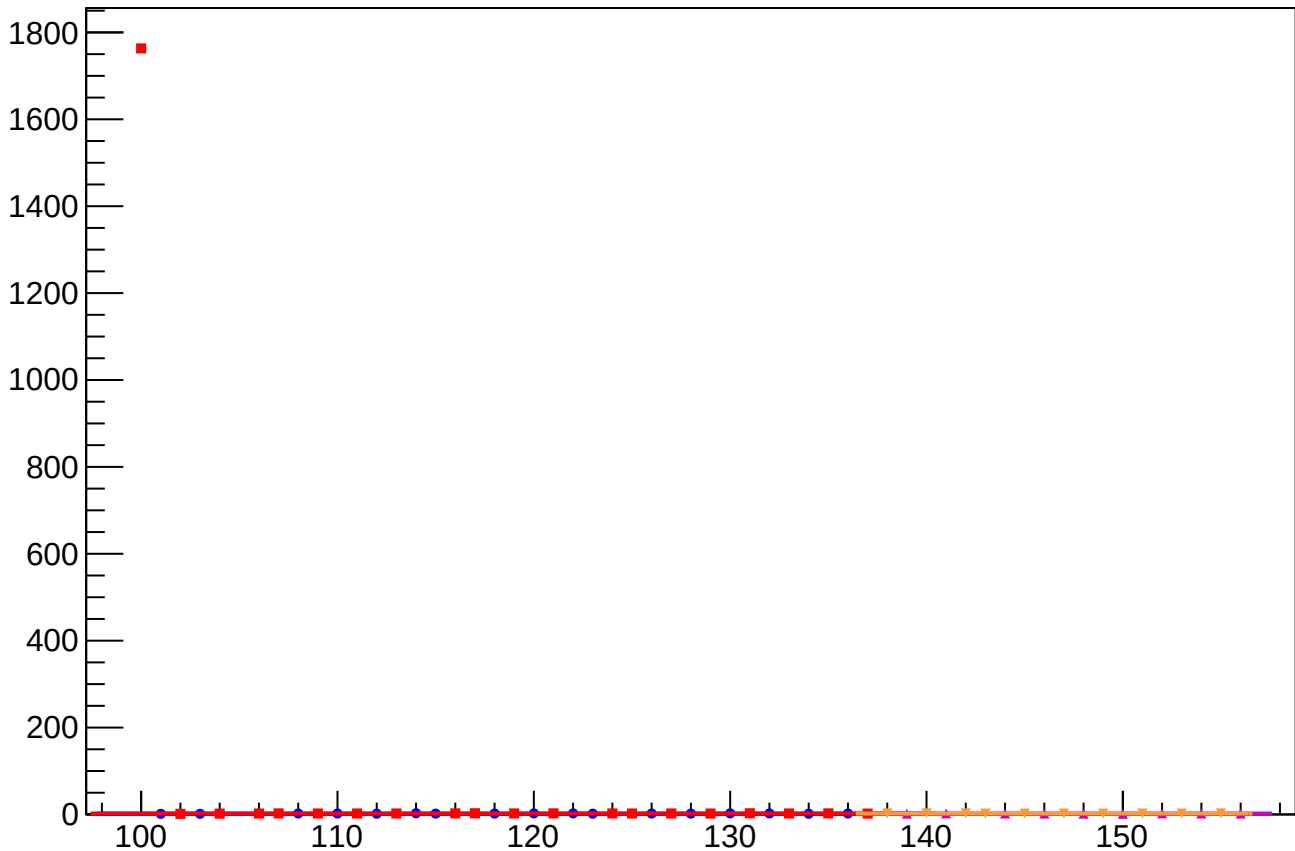
Left In: 1.184 ± 0.856 χ^2/NDF : 3.5/8

-0.125 ± 0.588 χ^2/NDF : 25.5/26

0.046 ± 0.421 χ^2/NDF : 46.9/55

0.225 ± 0.603 χ^2/NDF : 21.3/28

asym_dsr_correction_rms vs Slug, Sign Corrected



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

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

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

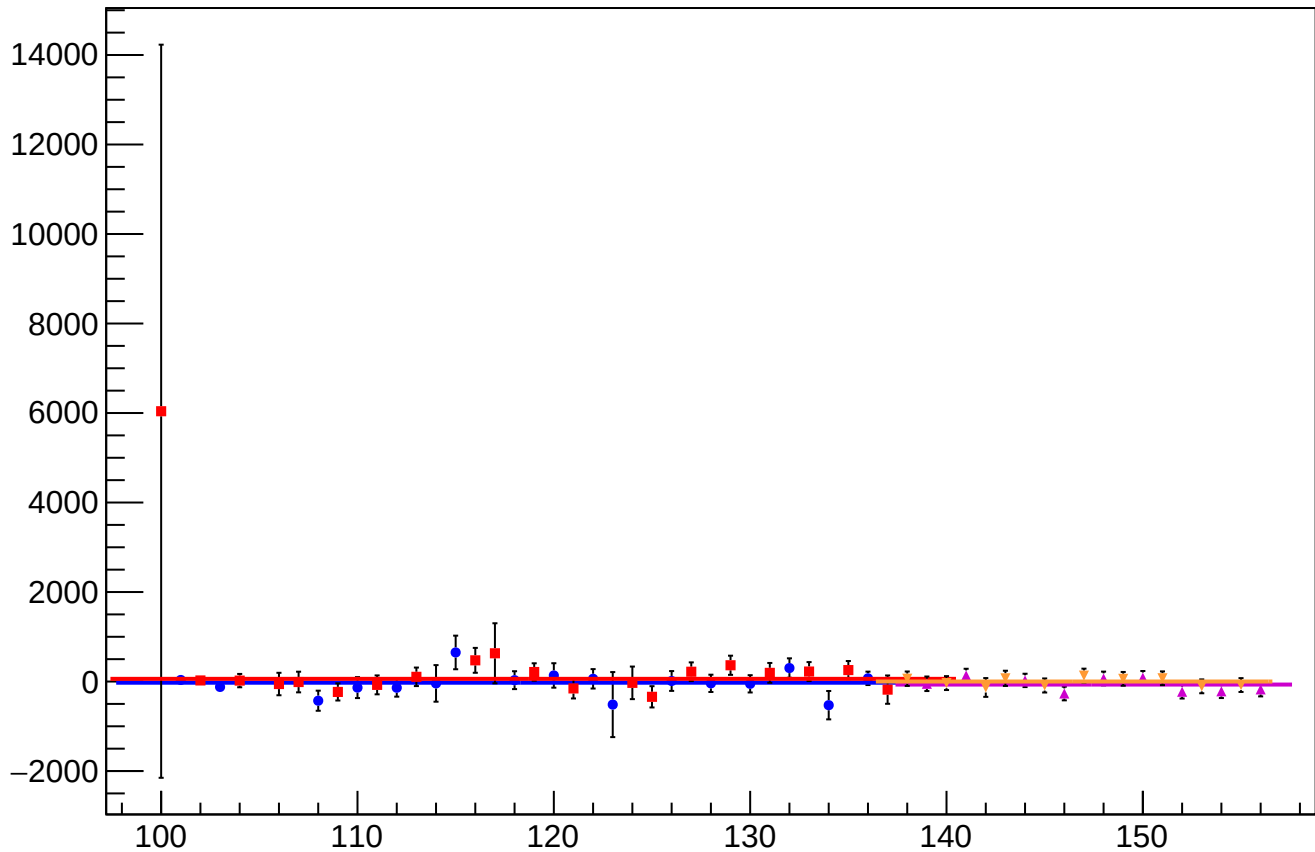
Left In: 2.080 $\pm$ 0.001 χ^2 /NDF: 259363.7/8

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

2.029 $\pm$ 0.000 χ^2 /NDF: 1545700.6/55

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

asym_dsr_mean vs Slug, Sign Corrected



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

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

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

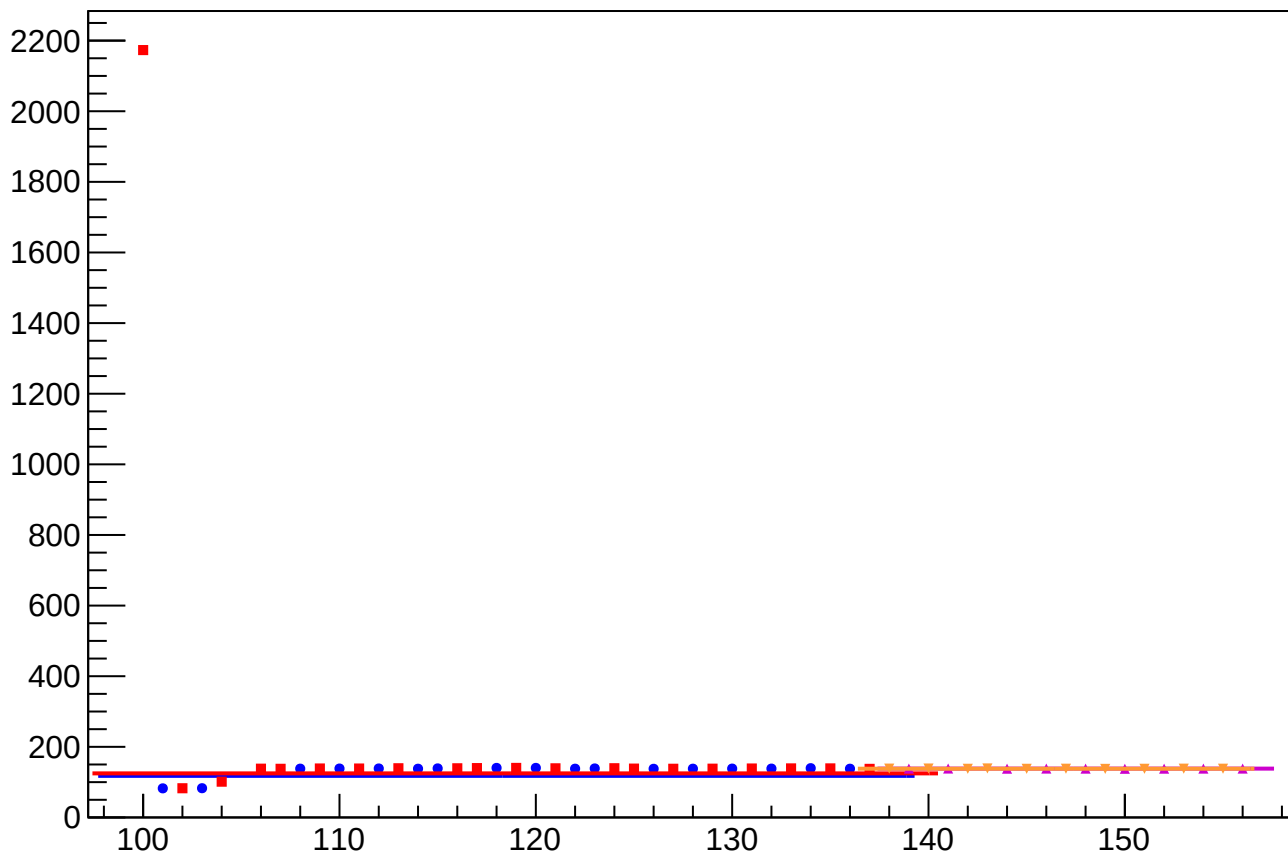
Left In: -67.608+/-50.917 χ^2/NDF : 8.4/8

-13.939+/-34.419 χ^2/NDF : 17.4/26

-6.759+/-24.462 χ^2/NDF : 45.5/55

0.569+/-34.773 χ^2/NDF : 28.0/28

asym_dsr_rms vs Slug, Sign Corrected



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

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

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

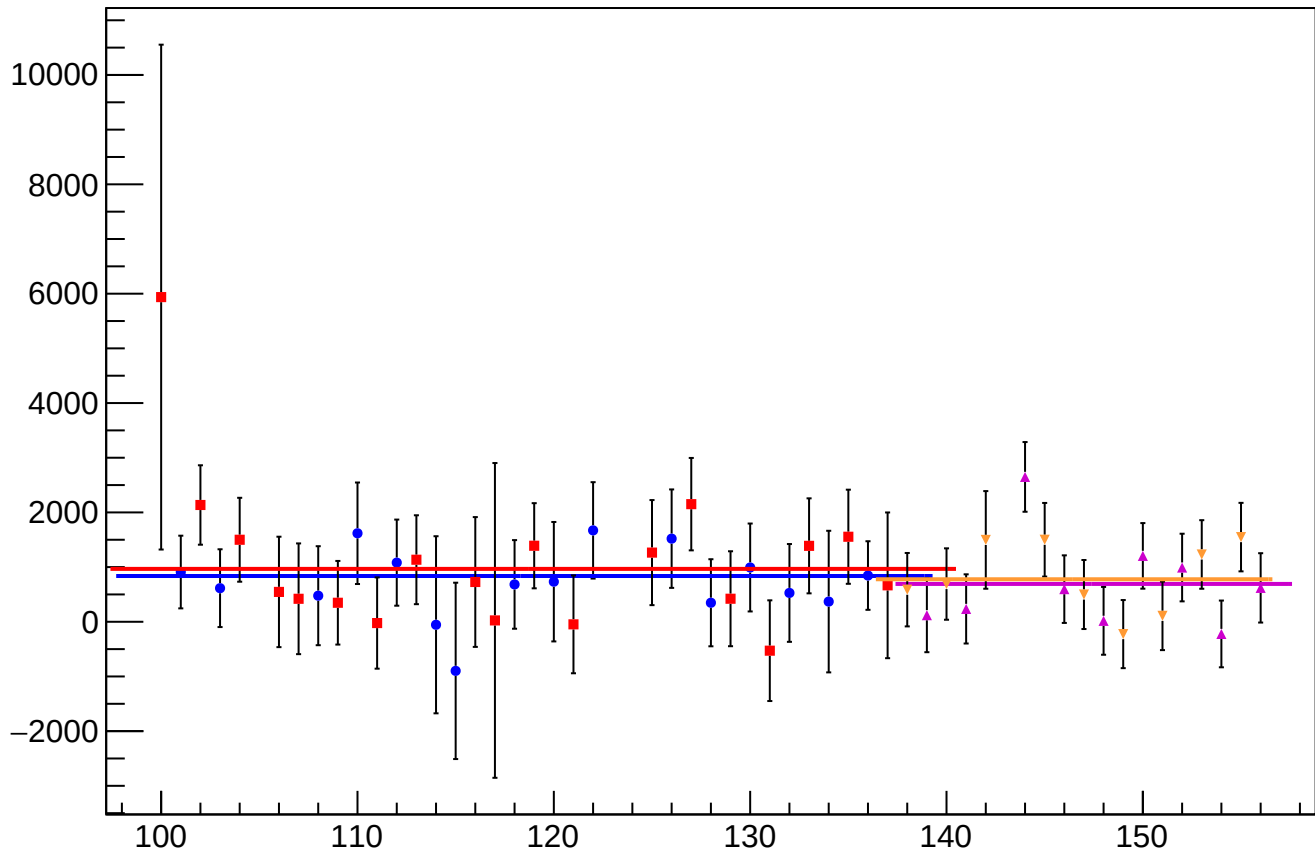
Left In: 138.299 $\pm$ 0.036 χ^2 /NDF: 30.2/8

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

129.098 $\pm$ 0.017 χ^2 /NDF: 1507479.5/55

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

reg_asym_left_avg_mean vs Slug, Sign Corrected



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

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

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

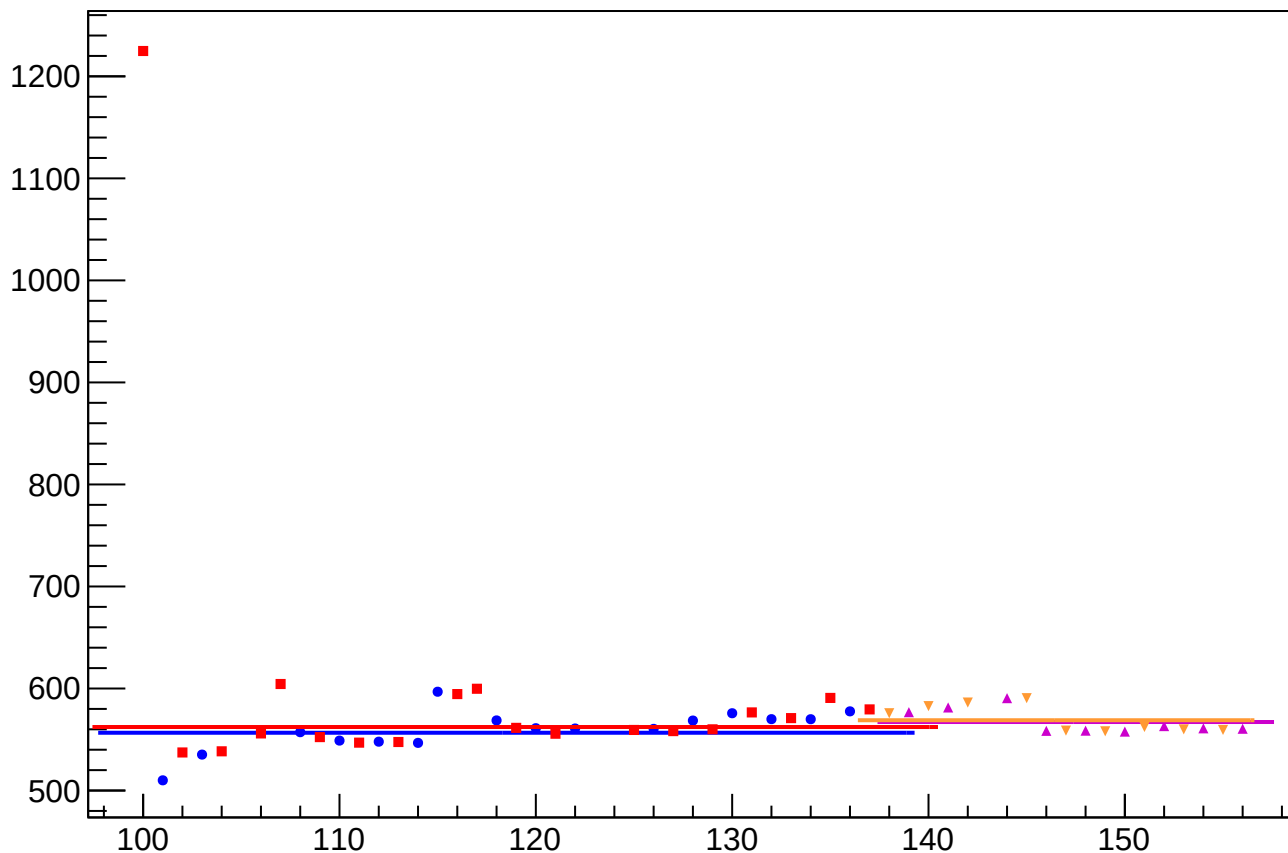
Left In: 692.107 $\pm$ 208.838 χ^2 /NDF: 15.1/8

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

817.985 $\pm$ 107.032 χ^2 /NDF: 43.0/52

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

reg_asym_left_avg_rms vs Slug, Sign Corrected



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

Left Out: 568.892 ± 0.155 χ^2/NDF : 6140.2/8

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

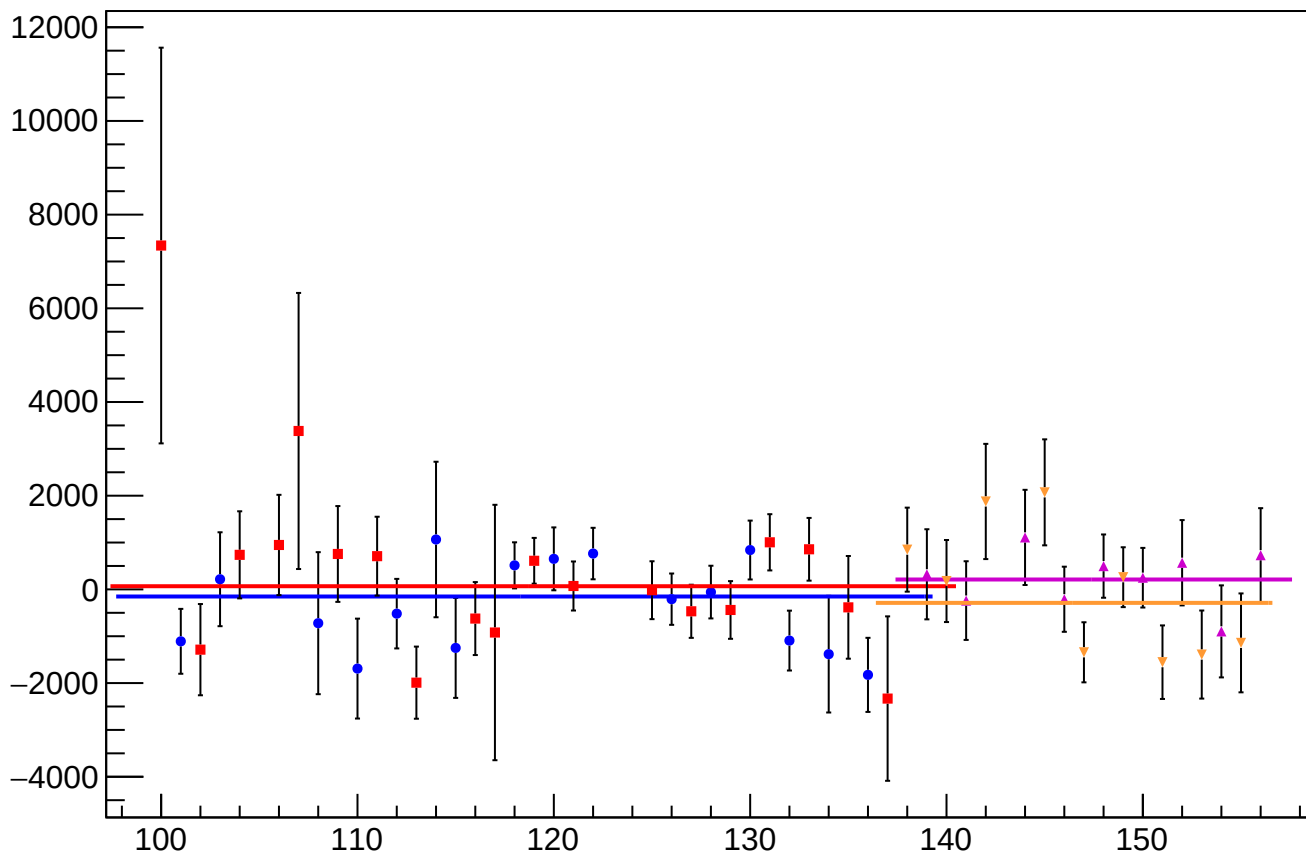
Left In: 567.161 ± 0.148 χ^2/NDF : 5874.8/8

562.671 ± 0.109 χ^2/NDF : 27696.1/24

563.744 ± 0.076 χ^2/NDF : 90219.1/52

564.746 ± 0.105 χ^2/NDF : 62335.2/27

asym_left_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -287.851 $\pm$ 282.596 χ^2/NDF : 17.4/8

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

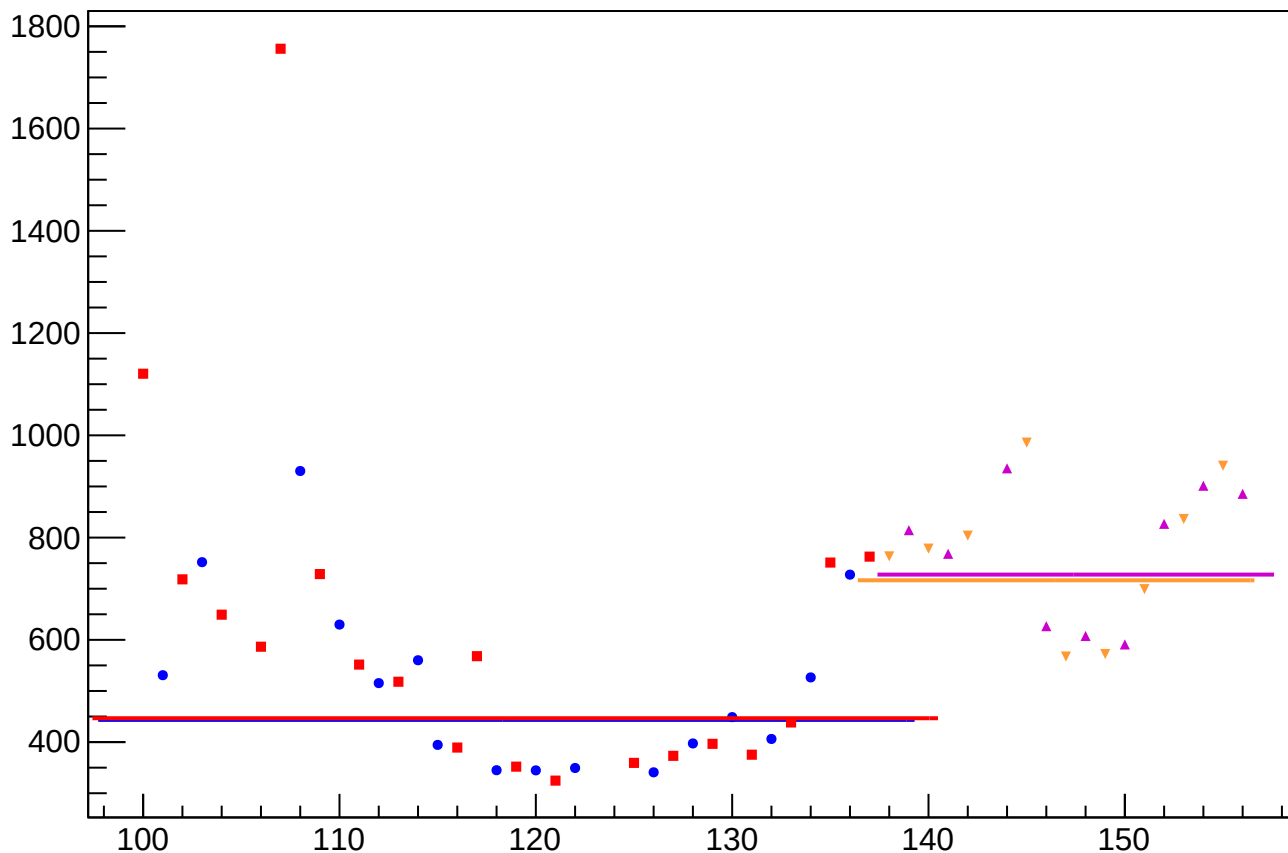
Left In: 210.978 $\pm$ 272.853 χ^2/NDF : 3.3/8

-191.145 $\pm$ 151.865 χ^2/NDF : 39.9/24

-37.731 $\pm$ 106.447 χ^2/NDF : 70.6/52

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

asym_left_avg_correction_rms vs Slug, Sign Corrected



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

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

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

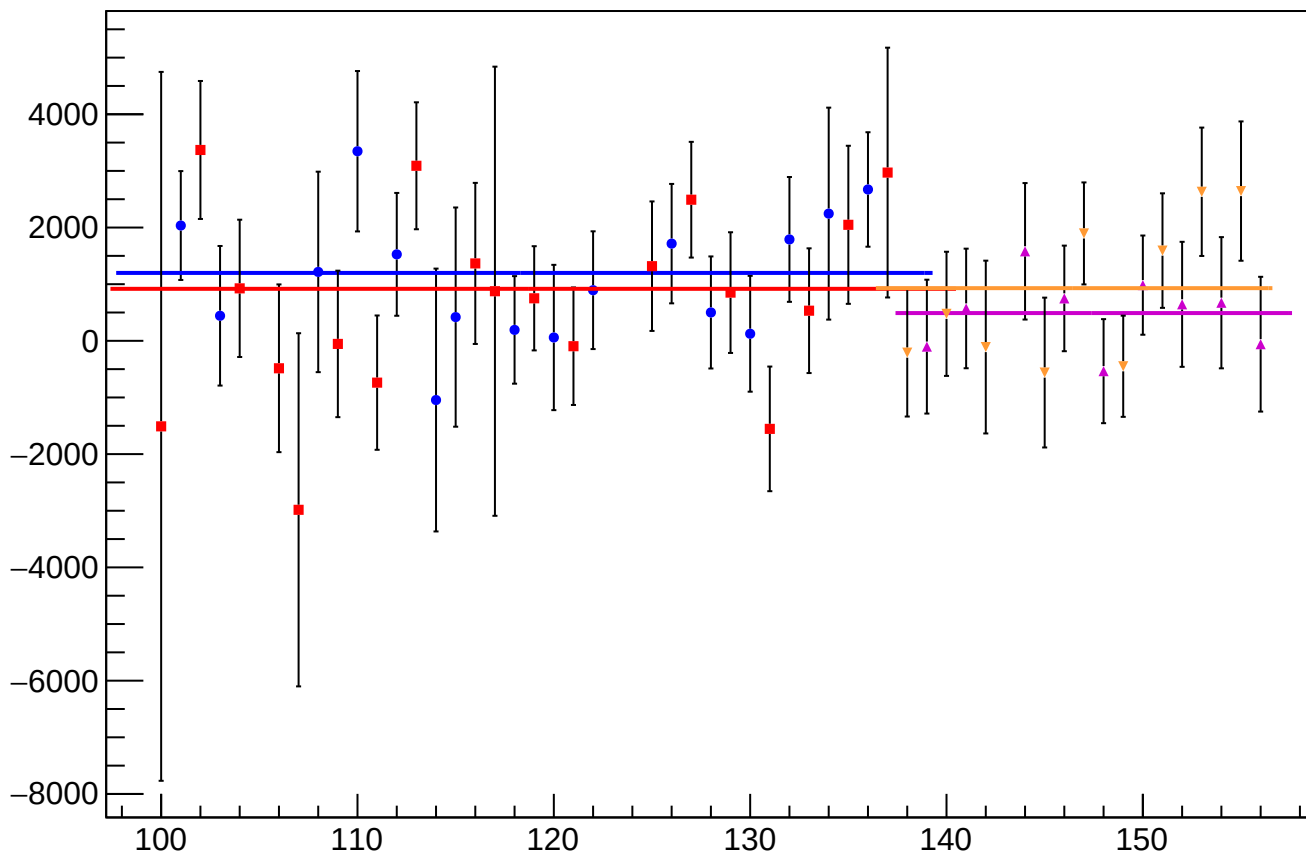
Left In: 727.660+/-0.193 χ^2/NDF : 438034.2/8

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

526.593+/-0.075 χ^2/NDF : 6252712.0/52

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

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

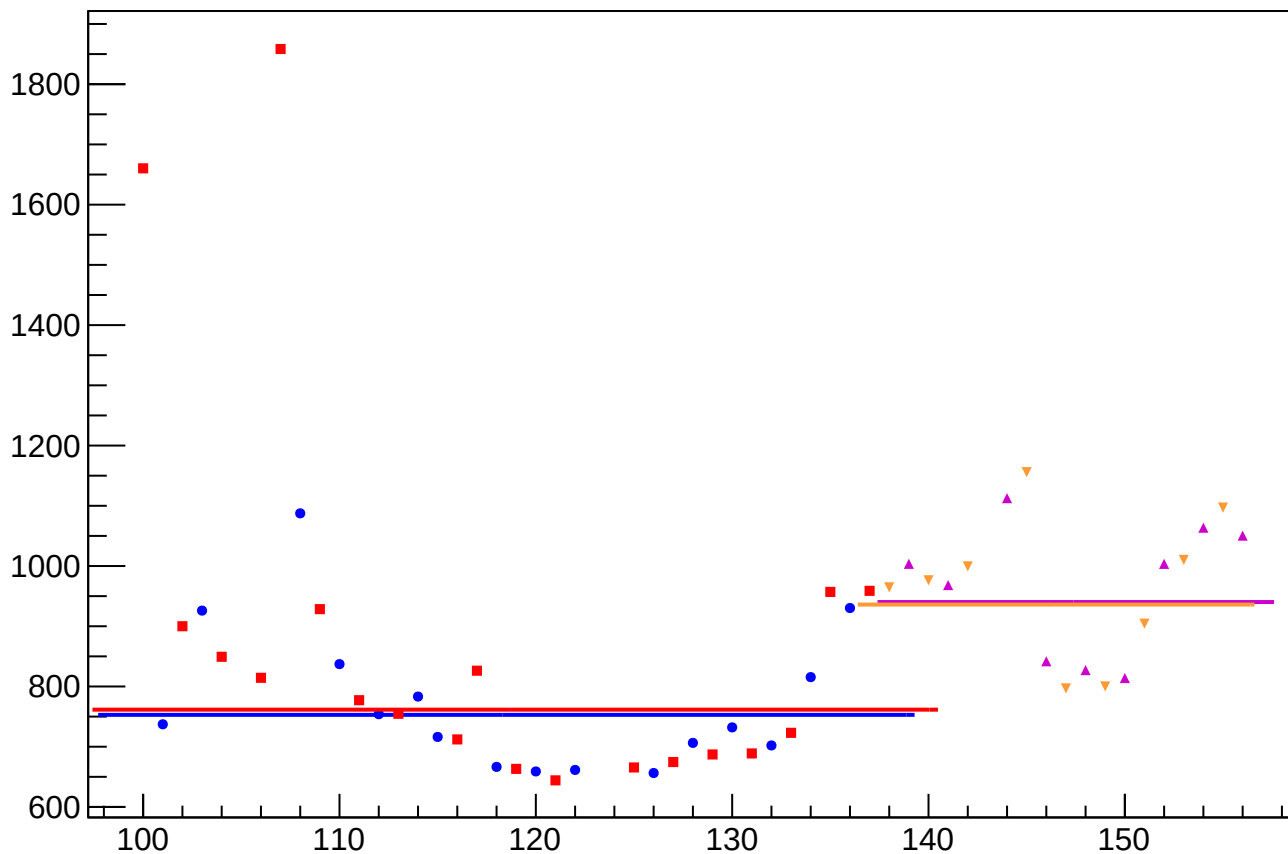
Left In: 490.104 $\pm$ 348.889 χ^2/NDF : 3.0/8

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

912.846 $\pm$ 160.332 χ^2/NDF : 50.9/52

741.491 $\pm$ 224.146 χ^2/NDF : 27.1/27

asym_left_avg_rms vs Slug, Sign Corrected



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

Left Out: 936.025 $\pm$ 0.258 χ^2 /NDF: 201686.0/8

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

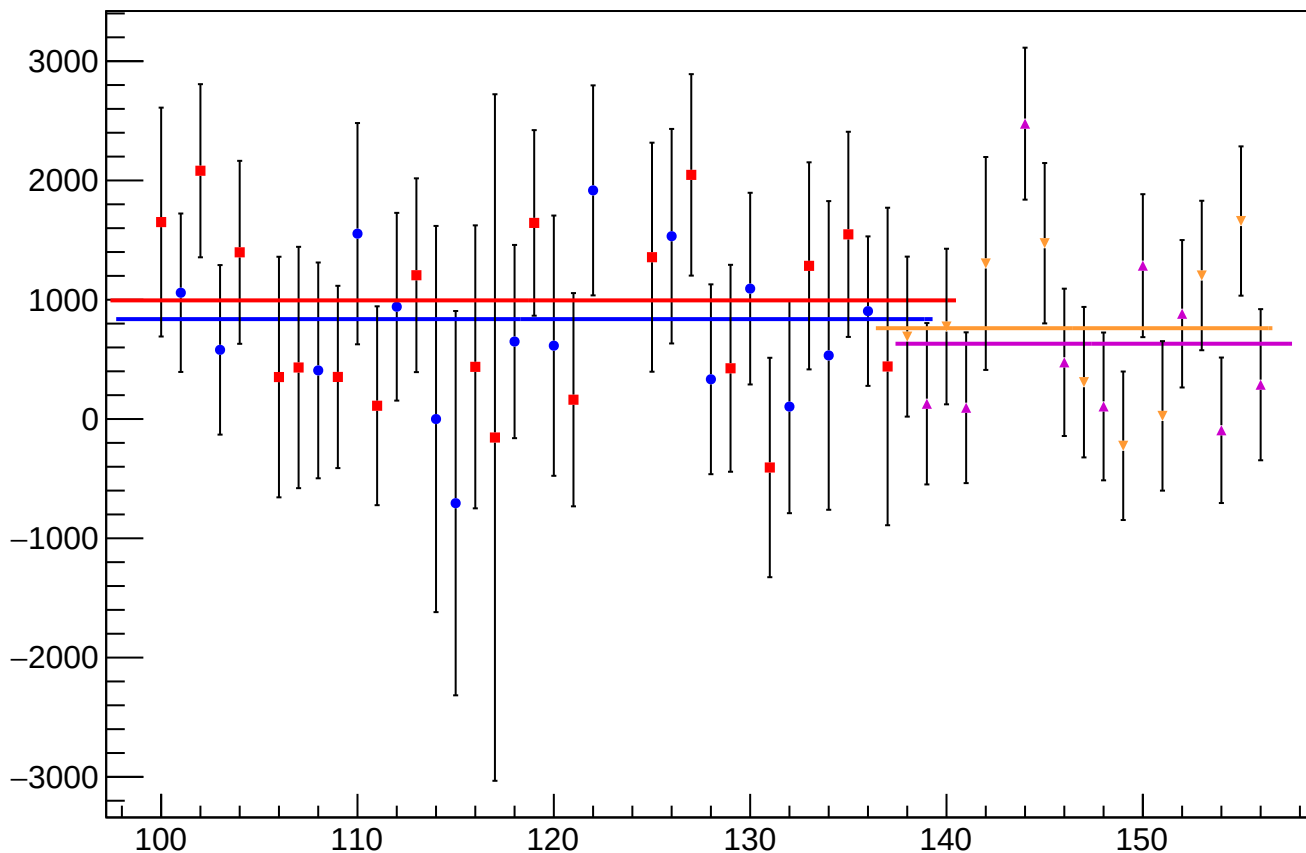
Left In: 940.197 $\pm$ 0.247 χ^2 /NDF: 188704.0/8

825.461 $\pm$ 0.162 χ^2 /NDF: 758868.0/24

830.478 $\pm$ 0.113 χ^2 /NDF: 1775180.3/52

835.266 $\pm$ 0.158 χ^2 /NDF: 1014443.6/27

reg_asym_left_dd_mean vs Slug, Sign Corrected



Right In: 837.557 ± 216.015 $\chi^2/\text{NDF}: 5.7/15$

Left Out: 761.417 ± 219.345 $\chi^2/\text{NDF}: 8.5/8$

Right Out: 994.626 ± 207.208 $\chi^2/\text{NDF}: 12.7/18$

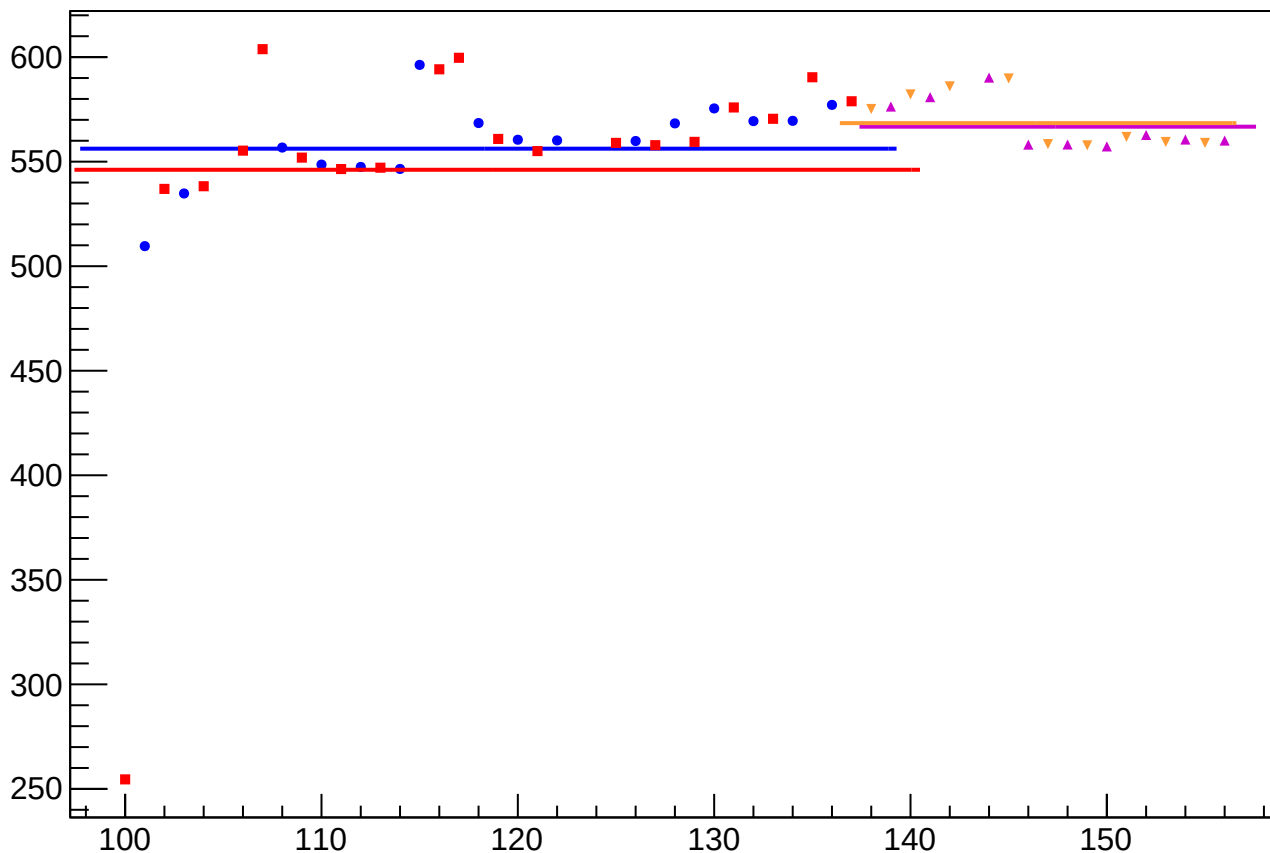
Left In: 631.188 ± 208.678 $\chi^2/\text{NDF}: 13.5/8$

800.069 ± 153.910 $\chi^2/\text{NDF}: 14.2/24$

807.452 ± 106.317 $\chi^2/\text{NDF}: 42.0/52$

814.191 ± 147.035 $\chi^2/\text{NDF}: 27.7/27$

reg_asym_left_dd_rms vs Slug, Sign Corrected



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

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

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

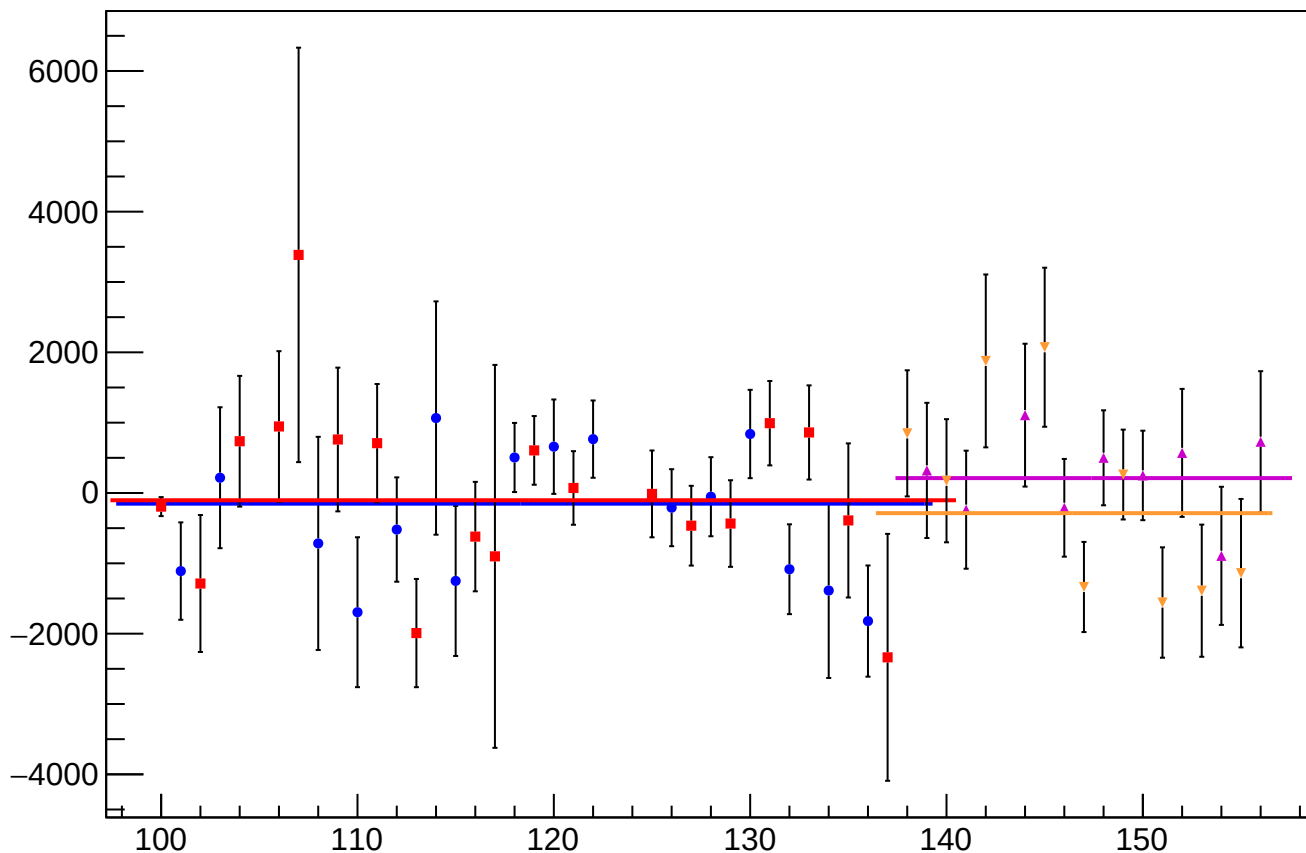
Left In: 566.725 $\pm$ 0.148 χ^2 /NDF: 5887.3/8

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

559.157 $\pm$ 0.075 χ^2 /NDF: 253205.6/52

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

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

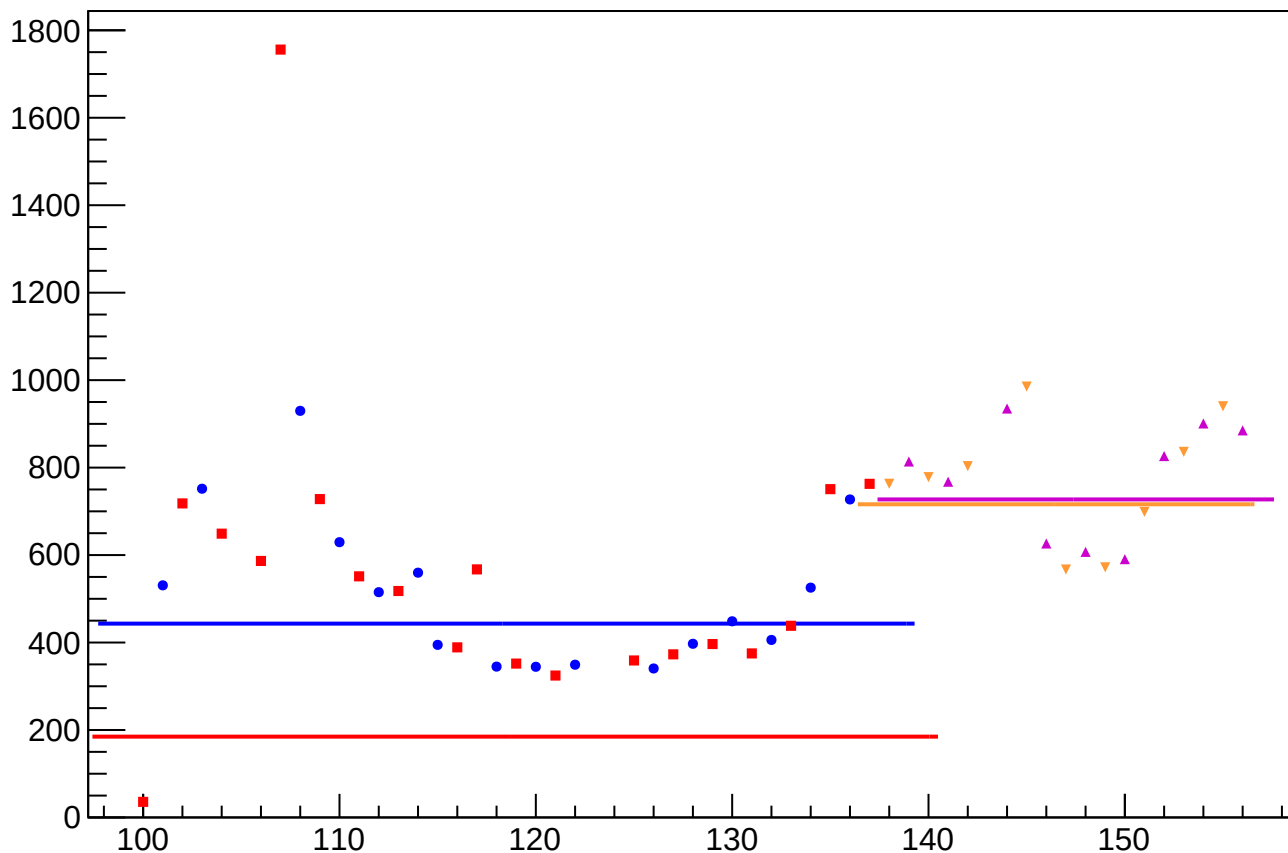
Left In: 211.765 $\pm$ 272.704 χ^2/NDF : 3.3/8

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

-100.148 $\pm$ 83.571 χ^2/NDF : 68.2/52

-60.866 $\pm$ 100.109 χ^2/NDF : 27.8/27

asym_left_dd_correction_rms vs Slug, Sign Corrected



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

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

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

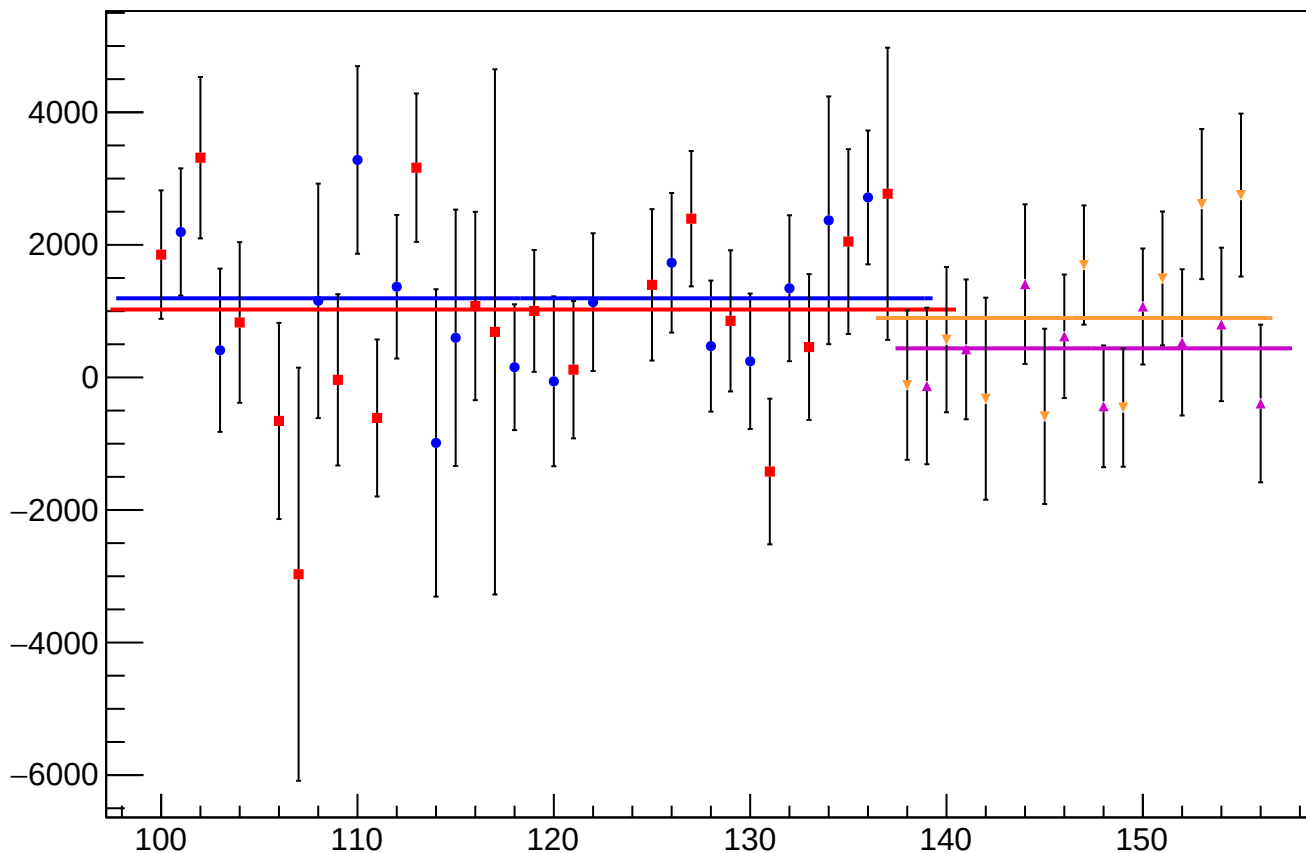
Left In: 727.258+/-0.193 χ^2/NDF : 437974.7/8

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

337.977+/-0.059 χ^2/NDF : 22485688.2/52

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

asym_left_dd_mean vs Slug, Sign Corrected



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

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

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

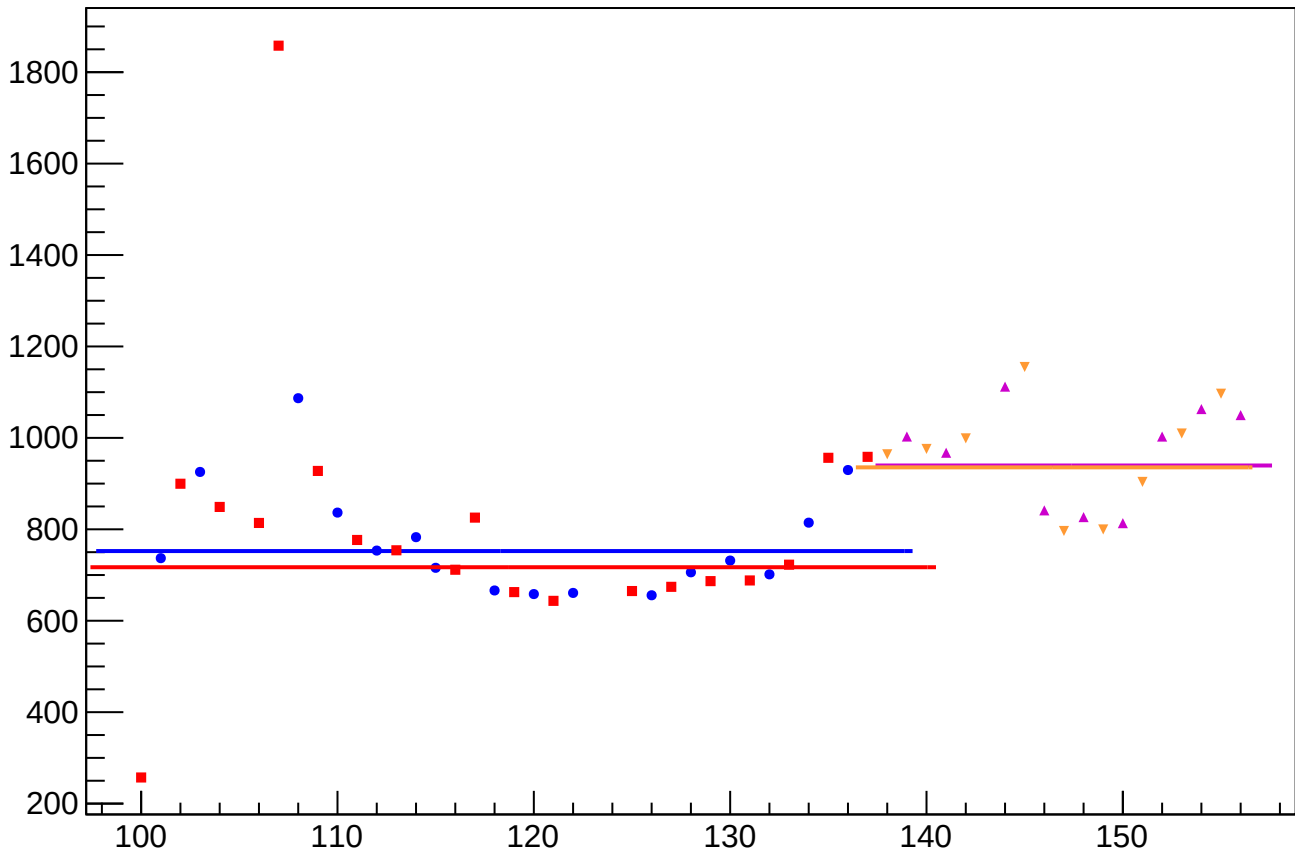
Left In: 438.500 $\pm$ 348.667 χ^2/NDF : 2.9/8

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

928.527 $\pm$ 158.132 χ^2/NDF : 50.4/52

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

asym_left_dd_rms vs Slug, Sign Corrected



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

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

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

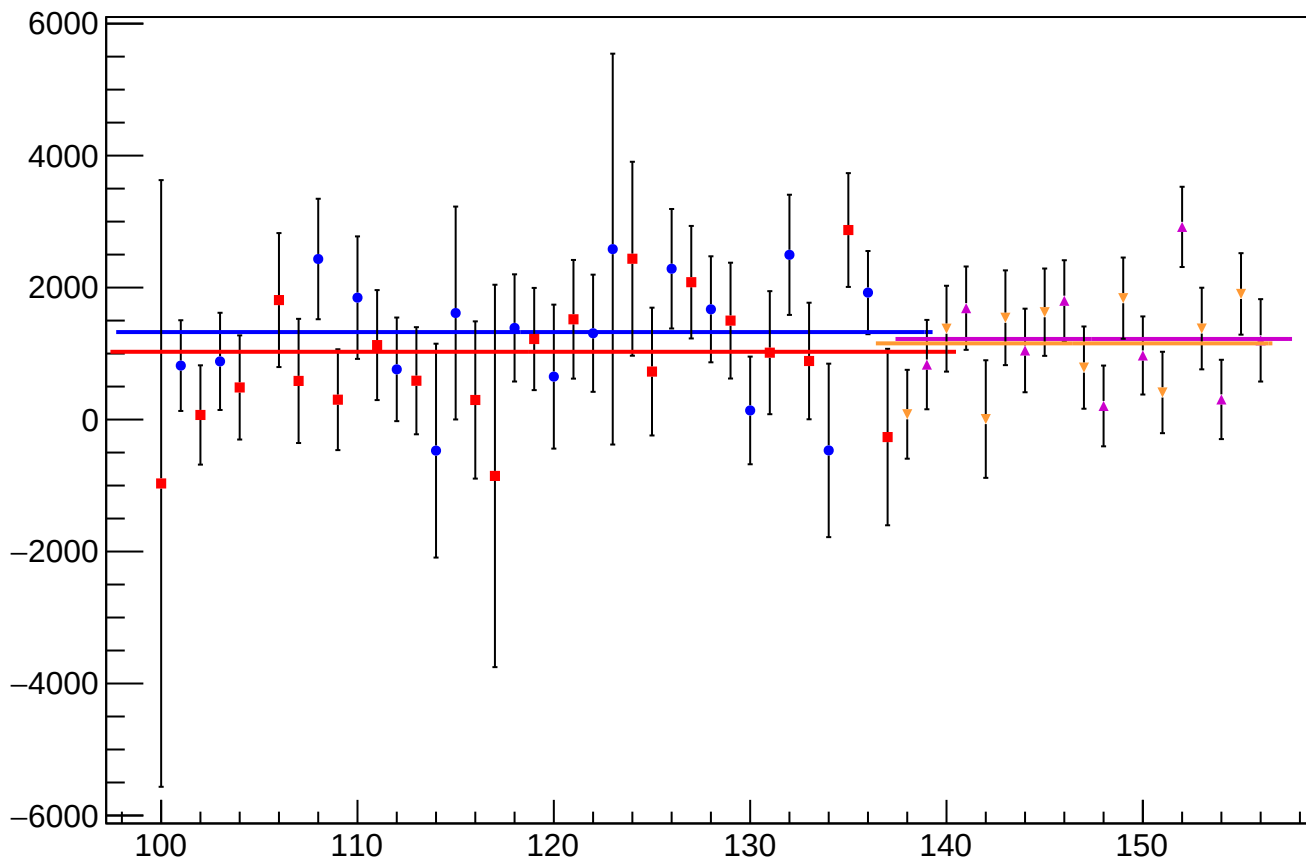
Left In: 939.595 +/- 0.247 χ^2/NDF : 188748.4/8

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

814.146 +/- 0.112 χ^2/NDF : 2420099.5/52

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

reg_asym_right_avg_mean vs Slug, Sign Corrected



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

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

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

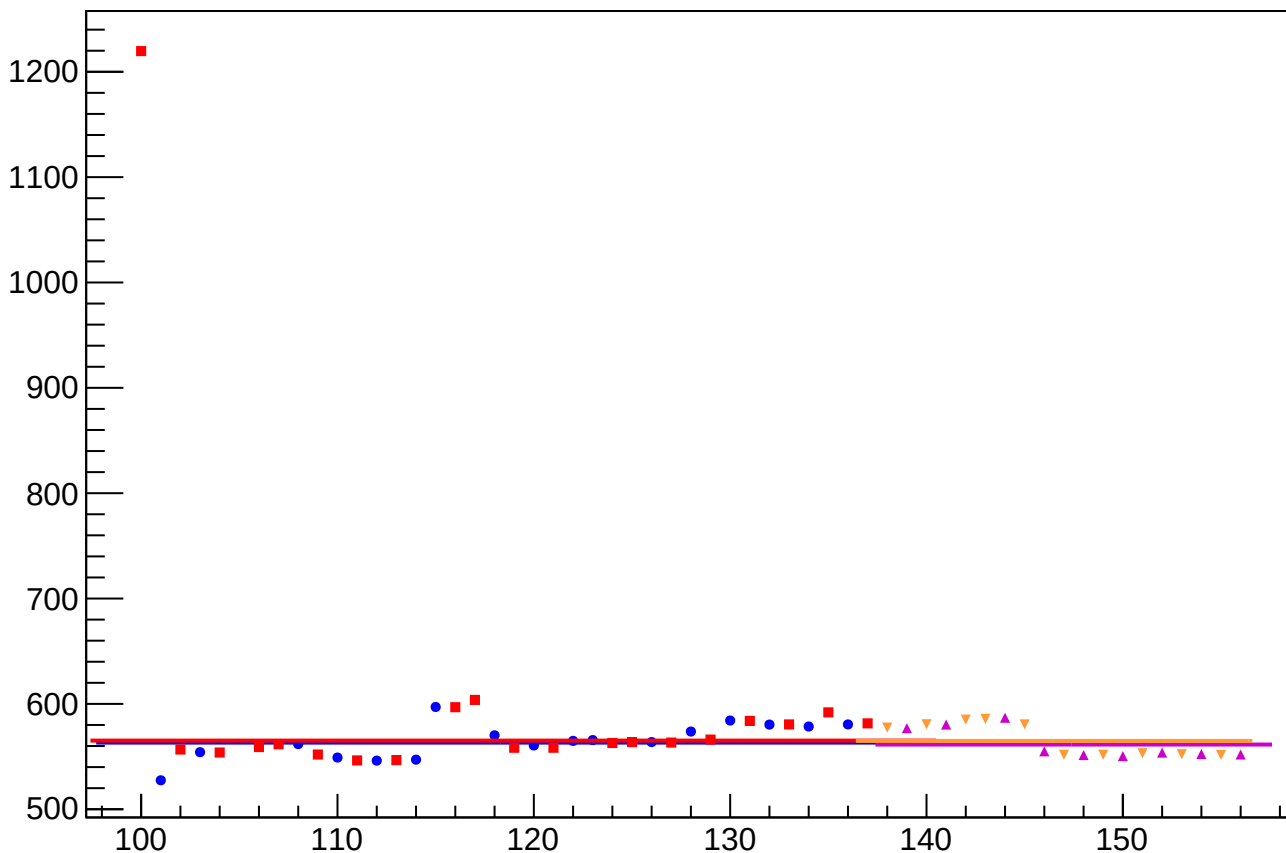
Left In: 1221.420 $\pm$ 206.741 χ^2 /NDF: 14.9/8

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

1180.137 $\pm$ 105.407 χ^2 /NDF: 52.4/55

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

reg_asym_right_avg_rms vs Slug, Sign Corrected



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

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

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

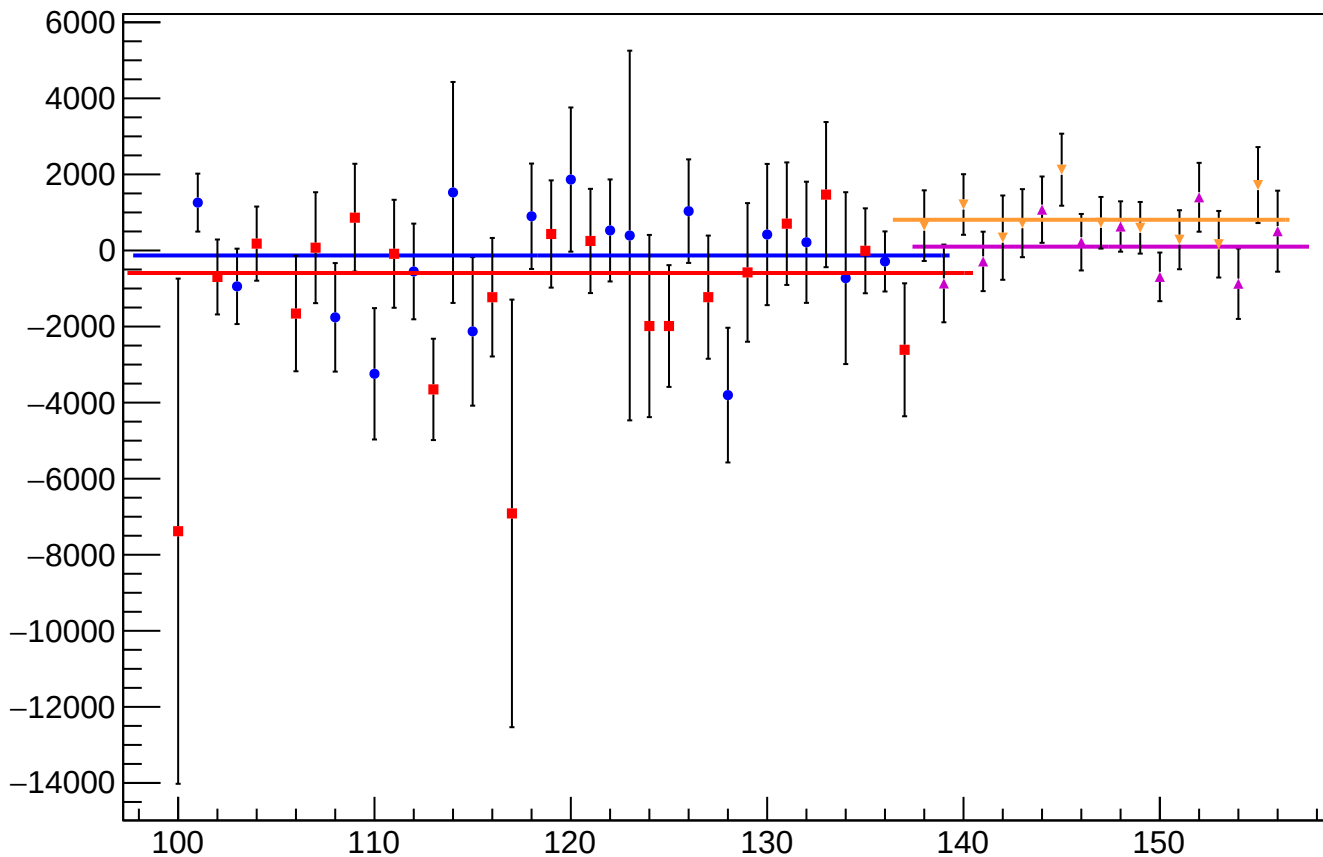
Left In: 561.411 $\pm$ 0.146 χ^2 /NDF: 8748.1/8

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

563.662 $\pm$ 0.075 χ^2 /NDF: 81341.0/55

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

asym_right_avg_correction_mean vs Slug, Sign Corrected



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

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

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

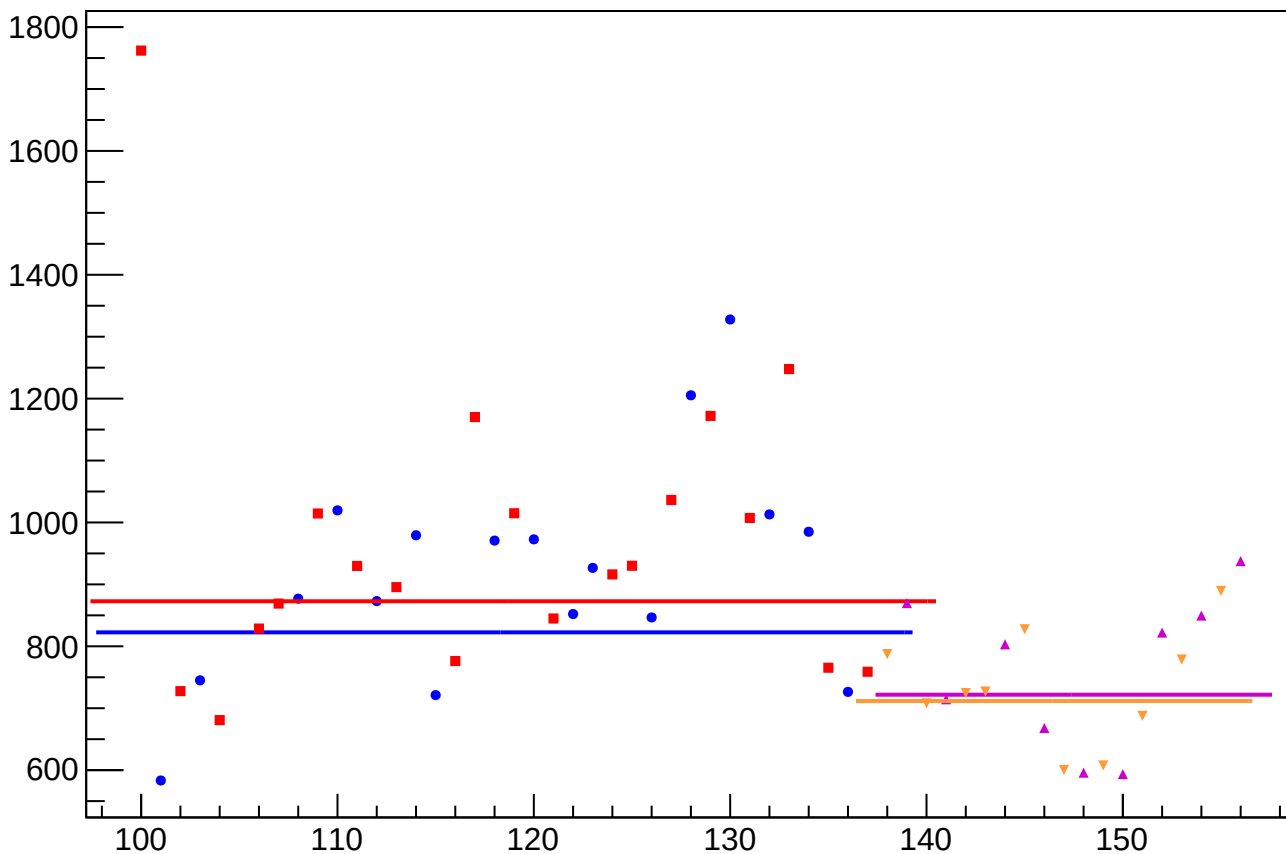
Left In: 100.579 $\pm$ 269.965 χ^2 /NDF: 7.9/8

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

135.262 $\pm$ 146.893 χ^2 /NDF: 57.2/55

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

asym_right_avg_correction_rms vs Slug, Sign Corrected



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

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

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

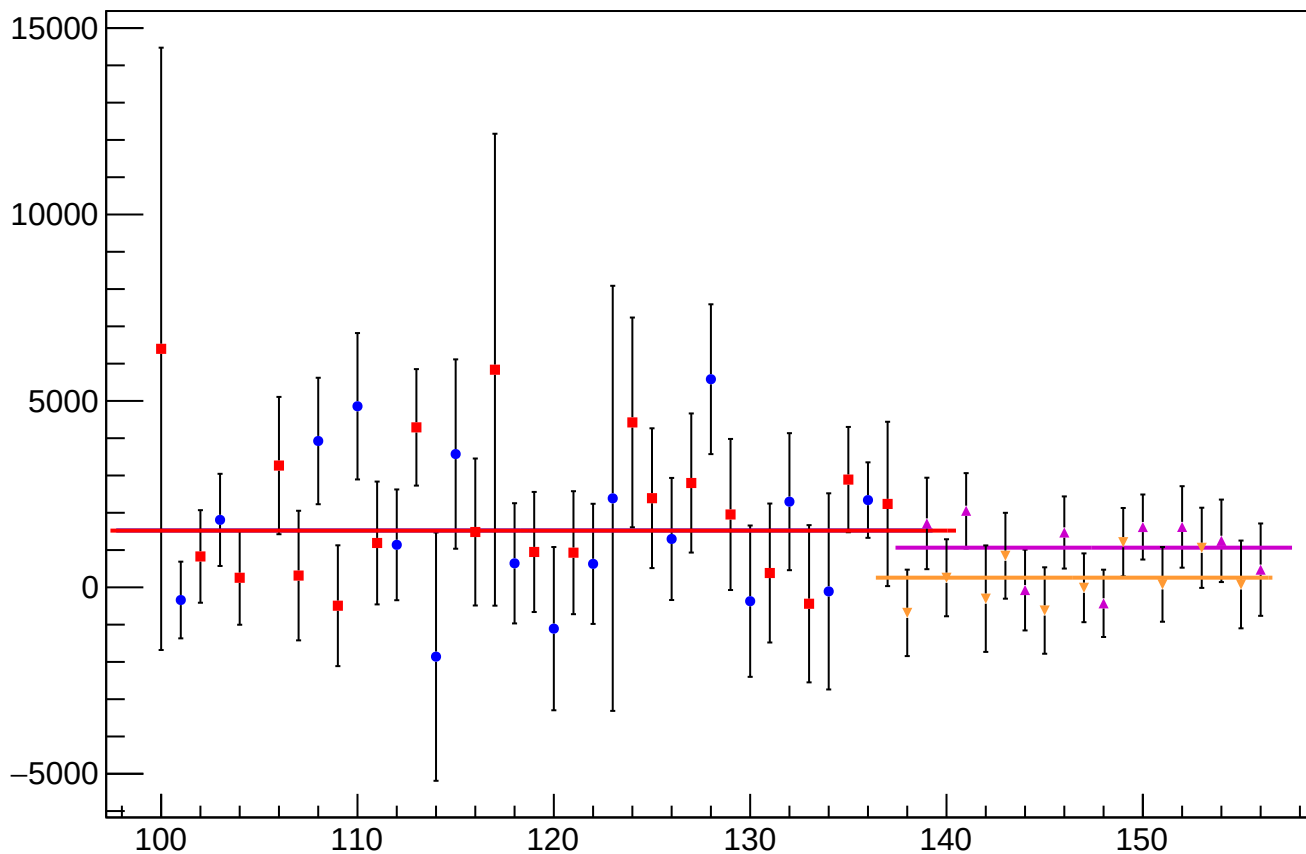
Left In: 721.823+/-0.191 χ^2/NDF : 367522.2/8

755.515+/-0.146 χ^2/NDF : 961495.1/26

768.509+/-0.104 χ^2/NDF : 2006517.6/55

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

asym_right_avg_mean vs Slug, Sign Corrected



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

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

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

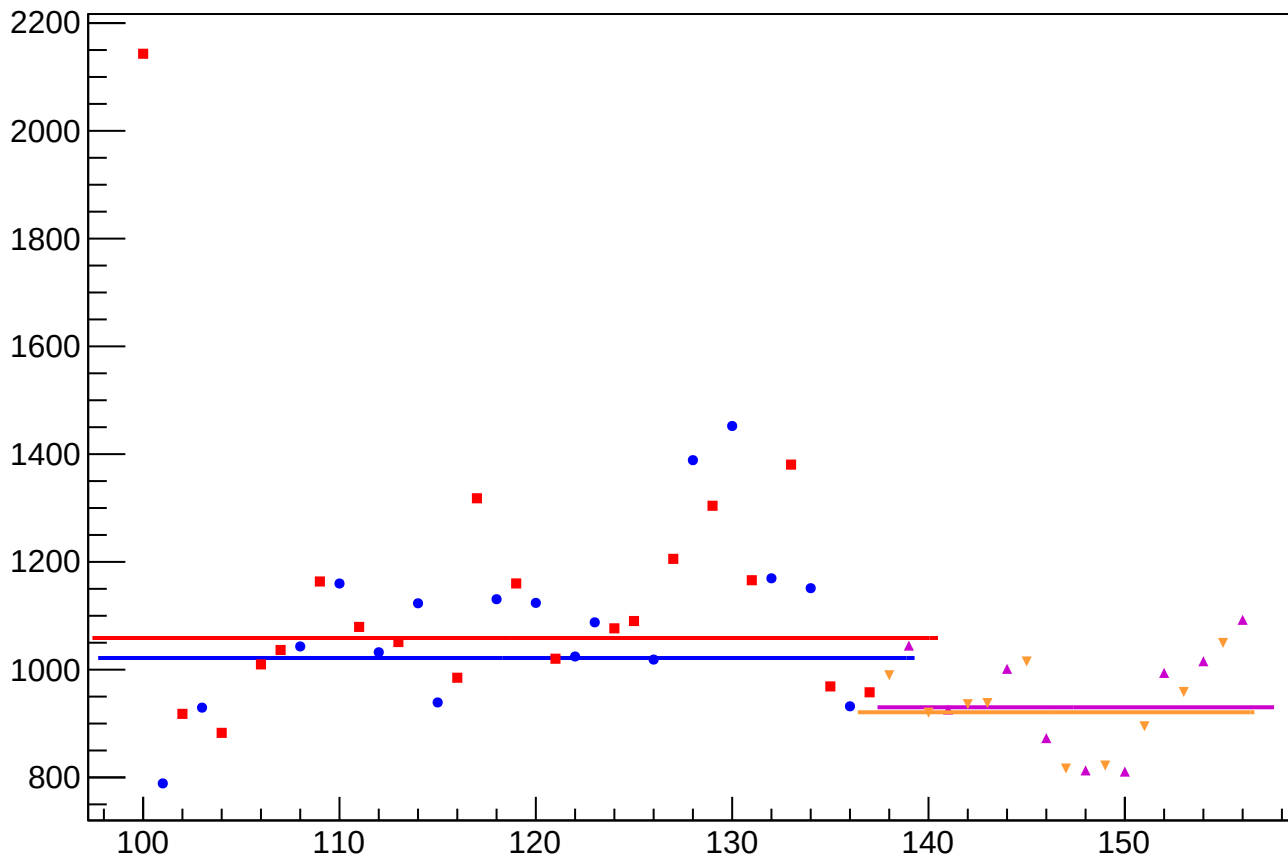
Left In: 1063.917 $\pm$ 344.746 χ^2 /NDF: 6.2/8

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

1023.315 $\pm$ 184.114 χ^2 /NDF: 48.6/55

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

asym_right_avg_rms vs Slug, Sign Corrected



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

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

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

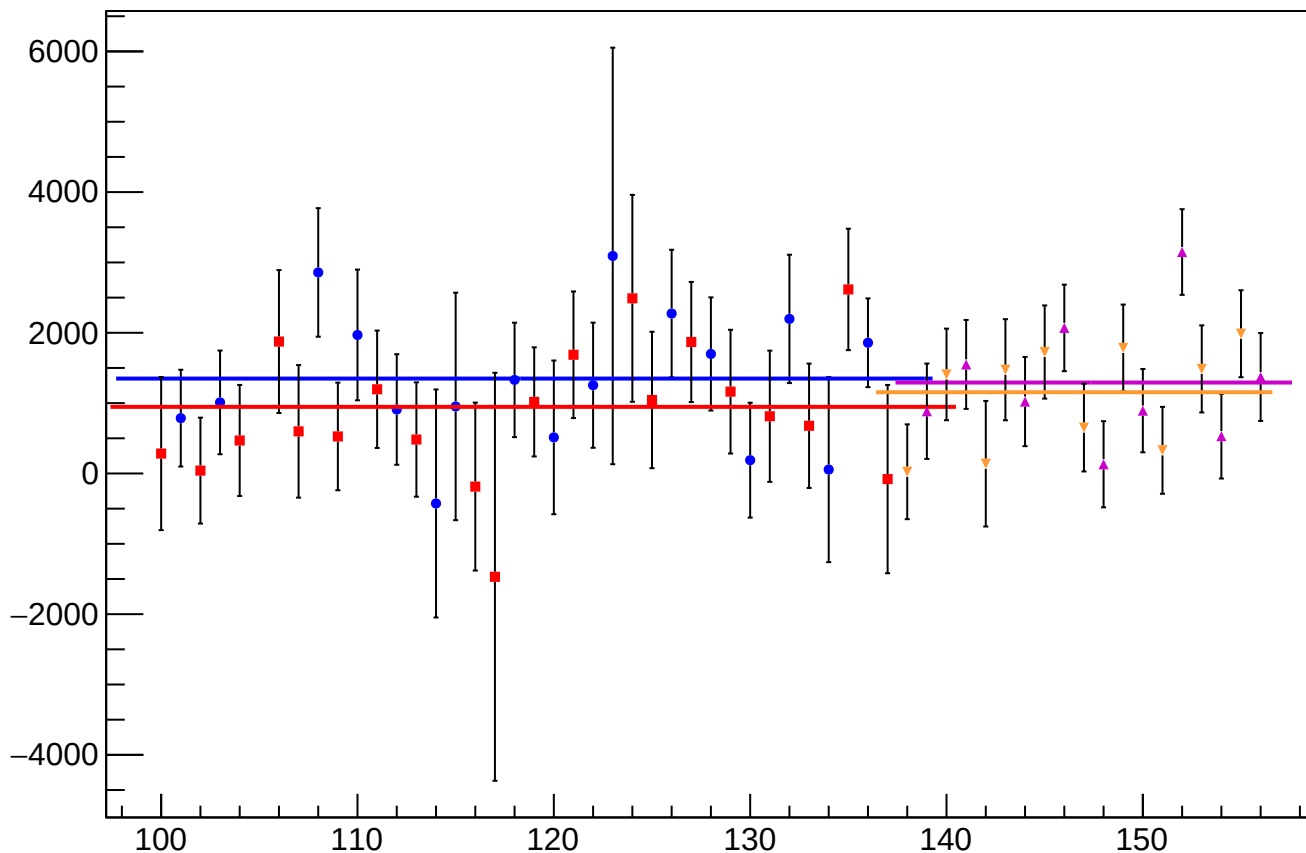
Left In: 930.196 +/- 0.244 χ^2/NDF : 157395.3/8

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

974.058 +/- 0.130 χ^2/NDF : 1020322.1/55

985.134 +/- 0.184 χ^2/NDF : 510589.3/28

reg_asym_right_dd_mean vs Slug, Sign Corrected



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

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

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

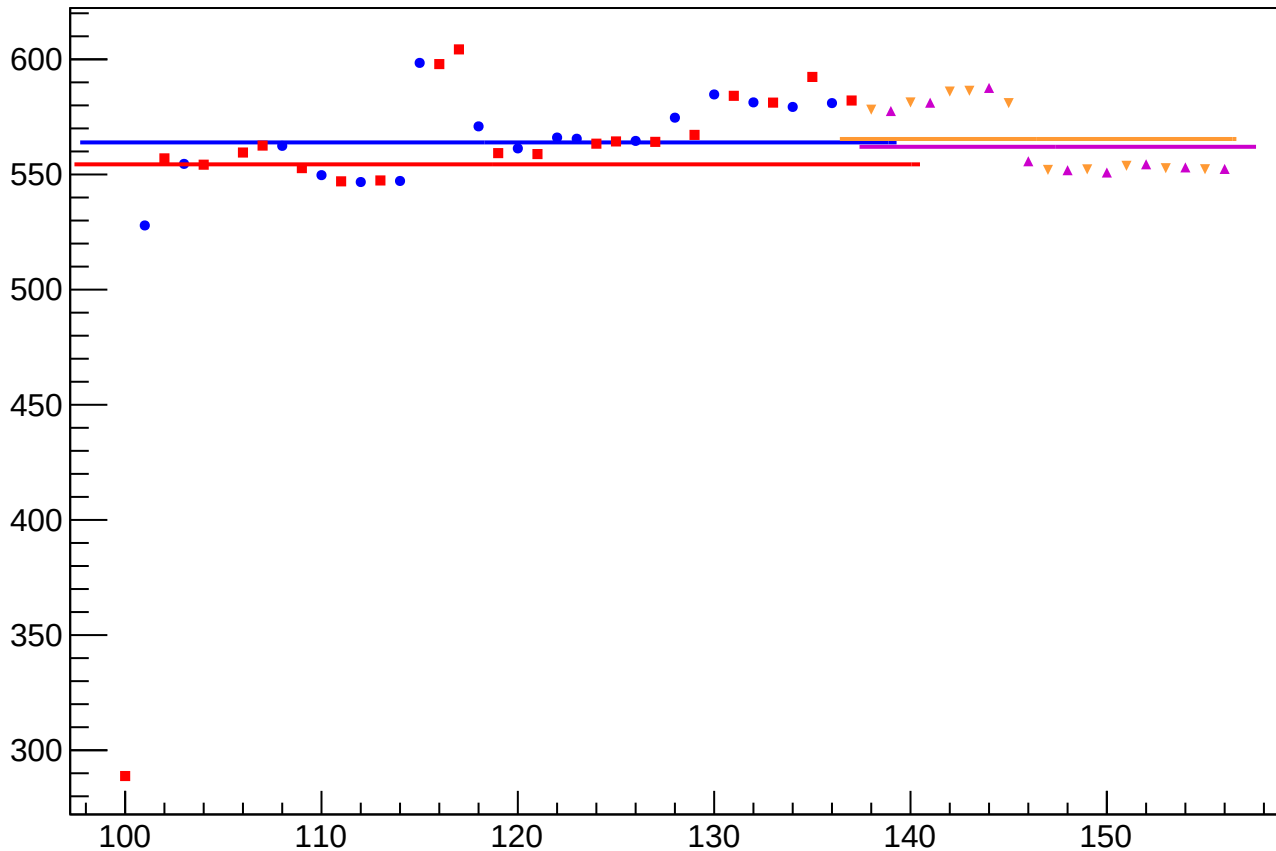
Left In: 1292.913 $\pm$ 206.967 χ^2 /NDF:17.3/8

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

1182.176 $\pm$ 105.059 χ^2 /NDF: 55.5/55

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

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

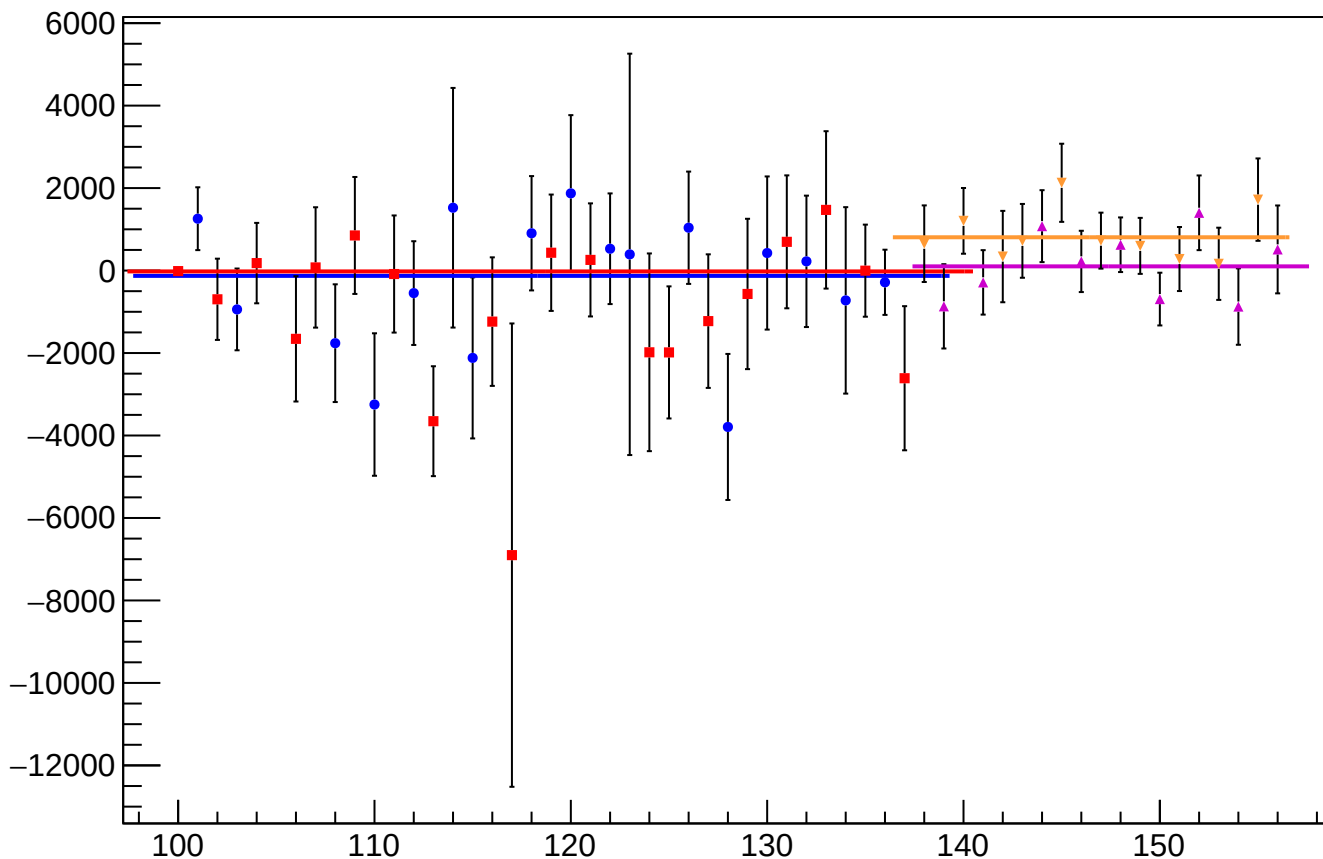
Left In: 562.022 $\pm$ 0.146 χ^2 /NDF:8831.6/8

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

561.375 $\pm$ 0.074 χ^2 /NDF: 167419.9/55

558.224 $\pm$ 0.104 χ^2 /NDF: 142743.7/28

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

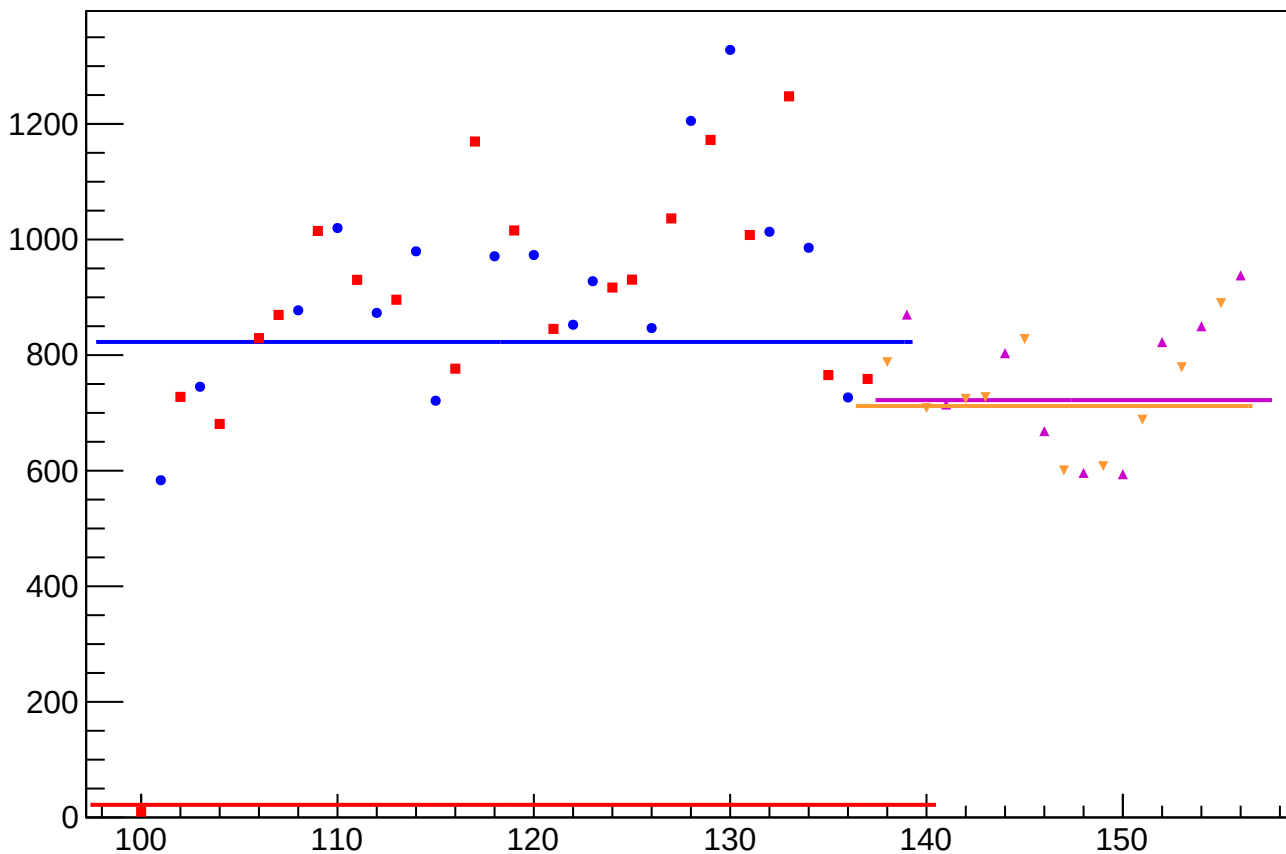
Left In: 101.718 $\pm$ 270.080 χ^2/NDF : 7.9/8

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

-2.851 $\pm$ 37.897 χ^2/NDF : 56.9/55

-18.220 $\pm$ 38.554 χ^2/NDF : 25.7/28

asym_right_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 711.867 +/- 0.188 χ^2/NDF : 222132.5/9

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

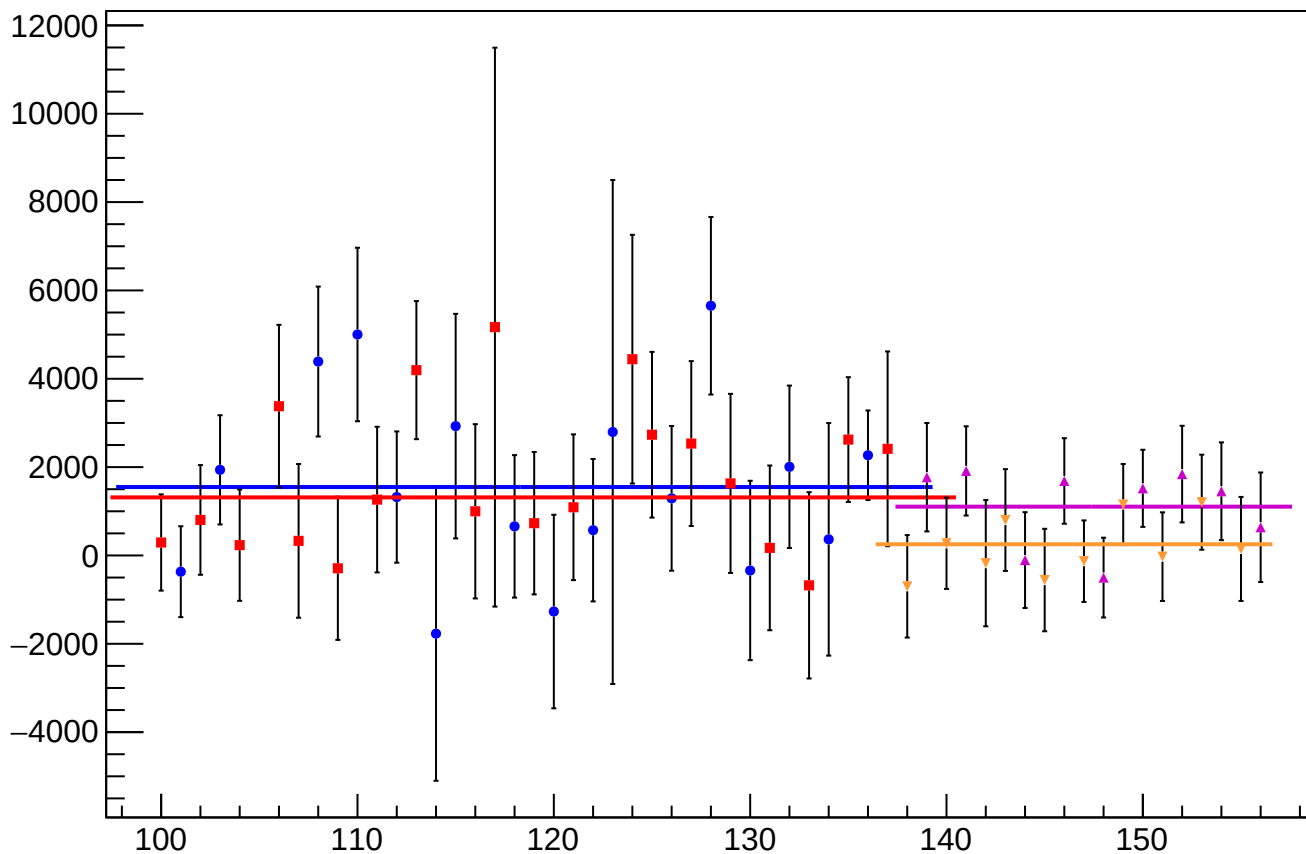
Left In: 722.139 +/- 0.191 χ^2/NDF : 367236.3/8

755.774 +/- 0.146 χ^2/NDF : 961427.9/26

60.452 +/- 0.027 χ^2/NDF : 51650150.6/55

36.138 +/- 0.027 χ^2/NDF : 27145888.0/28

asym_right_dd_mean vs Slug, Sign Corrected



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

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

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

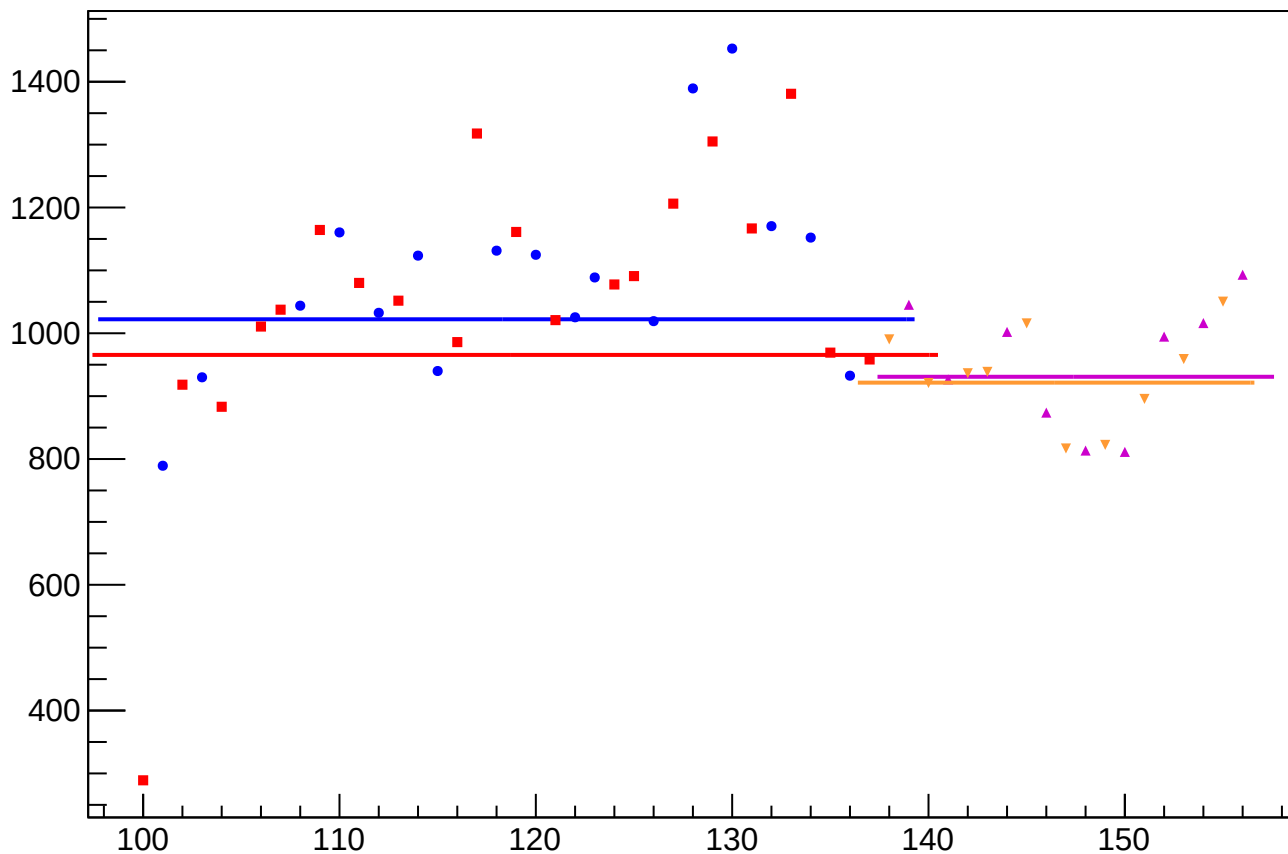
Left In: 1104.883 $\pm$ 344.973 χ^2/NDF : 6.6/8

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

1002.841 $\pm$ 181.691 χ^2/NDF : 49.4/55

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

asym_right_dd_rms vs Slug, Sign Corrected



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

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

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

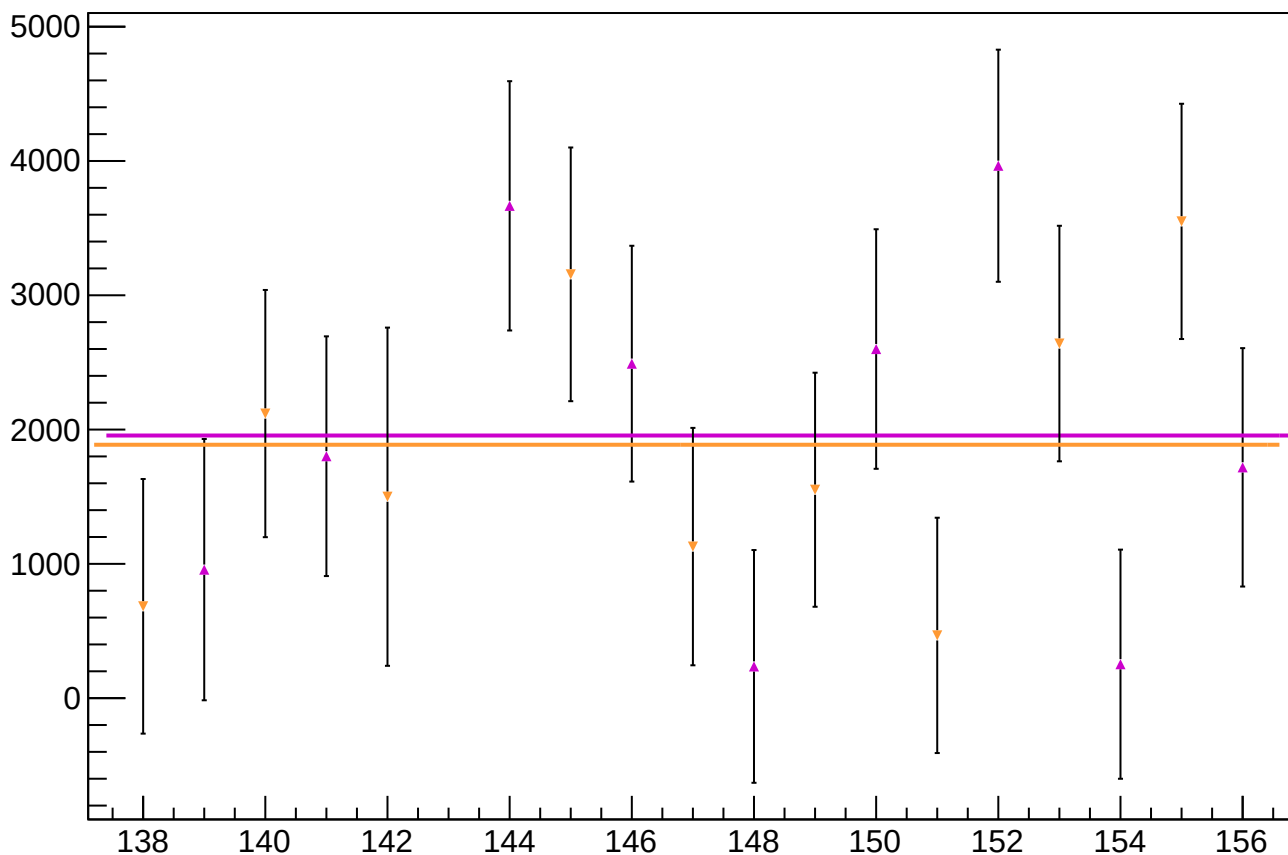
Left In: 930.812 ± 0.244 χ^2/NDF : 157302.1/8

963.631 ± 0.184 χ^2/NDF : 502525.6/26

954.982 ± 0.128 χ^2/NDF : 1746947.6/55

946.728 ± 0.180 χ^2/NDF : 1240097.3/28

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

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

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

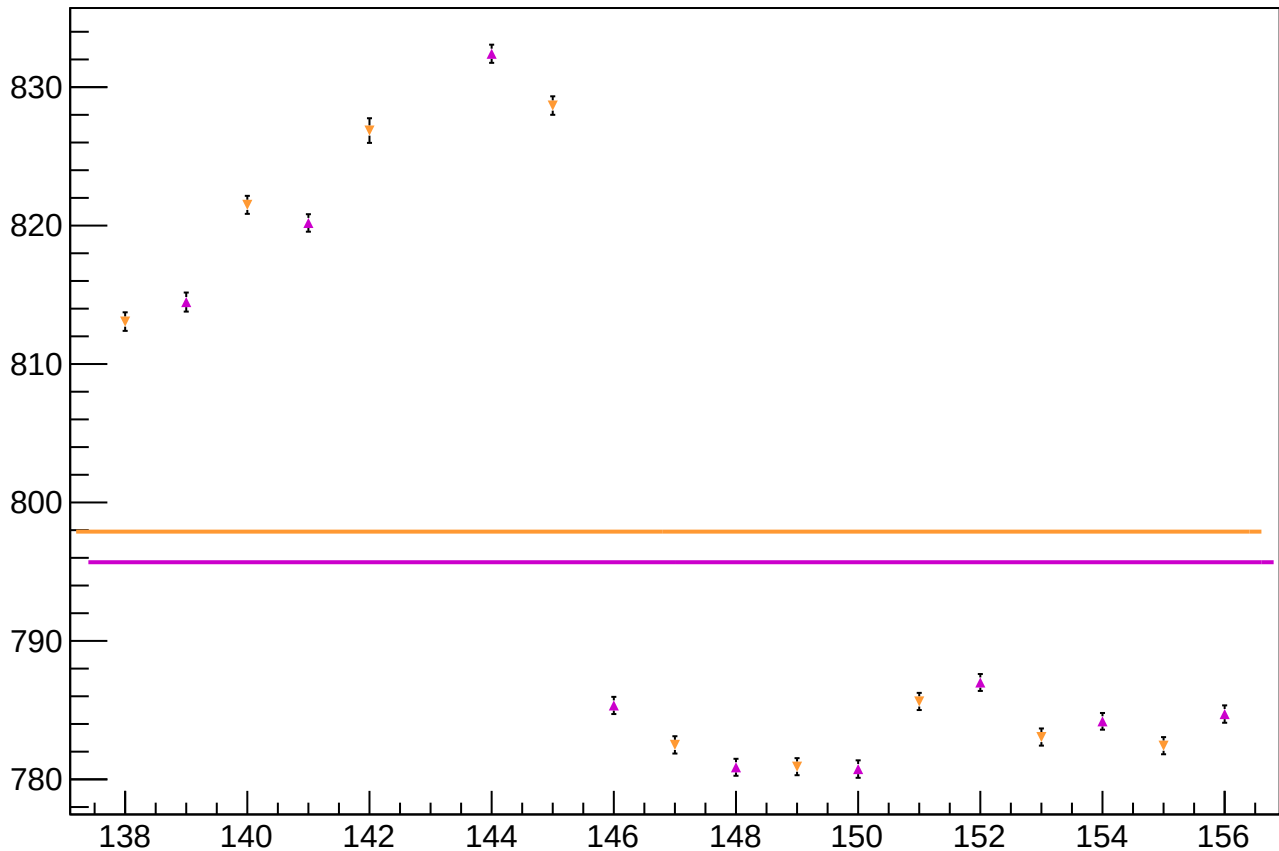
Left In: 1955.770+/-296.952 χ^2/NDF : 18.8/8

1886.980+/-307.914 χ^2/NDF : 11.4/8

1922.621+/-213.747 χ^2/NDF : 30.2/17

1955.770+/-296.952 χ^2/NDF : 18.8/8

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

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

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

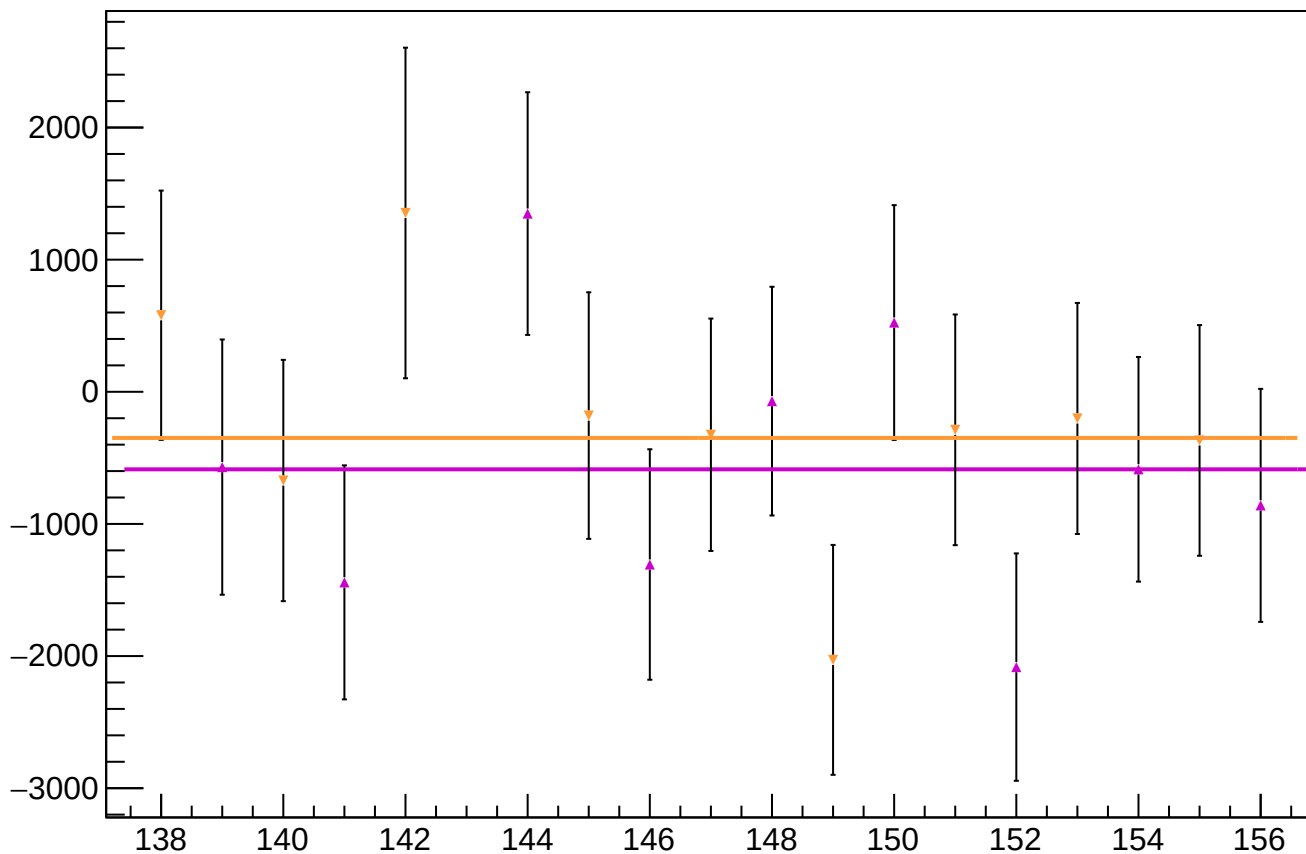
Left In: 795.683+/-0.210 χ^2/NDF : 7679.3/8

797.894+/-0.218 χ^2/NDF : 7963.6/8

796.748+/-0.151 χ^2/NDF : 15696.3/17

795.683+/-0.210 χ^2/NDF : 7679.3/8

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

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

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

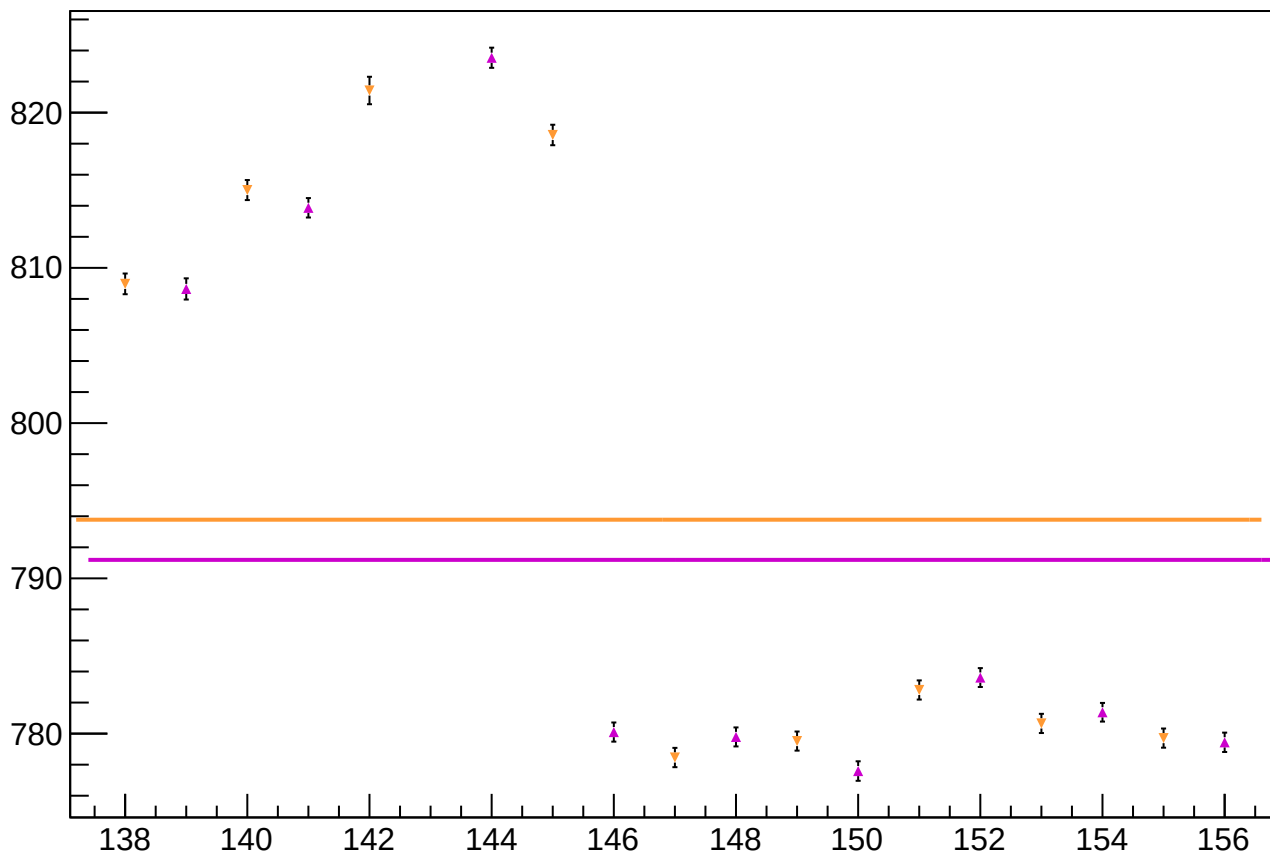
Left In: -586.731+/-295.255 χ^2/NDF : 11.1/8

-349.211+/-306.301 χ^2/NDF : 6.7/8

-472.331+/-212.575 χ^2/NDF : 18.2/17

-586.731+/-295.255 χ^2/NDF : 11.1/8

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

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

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

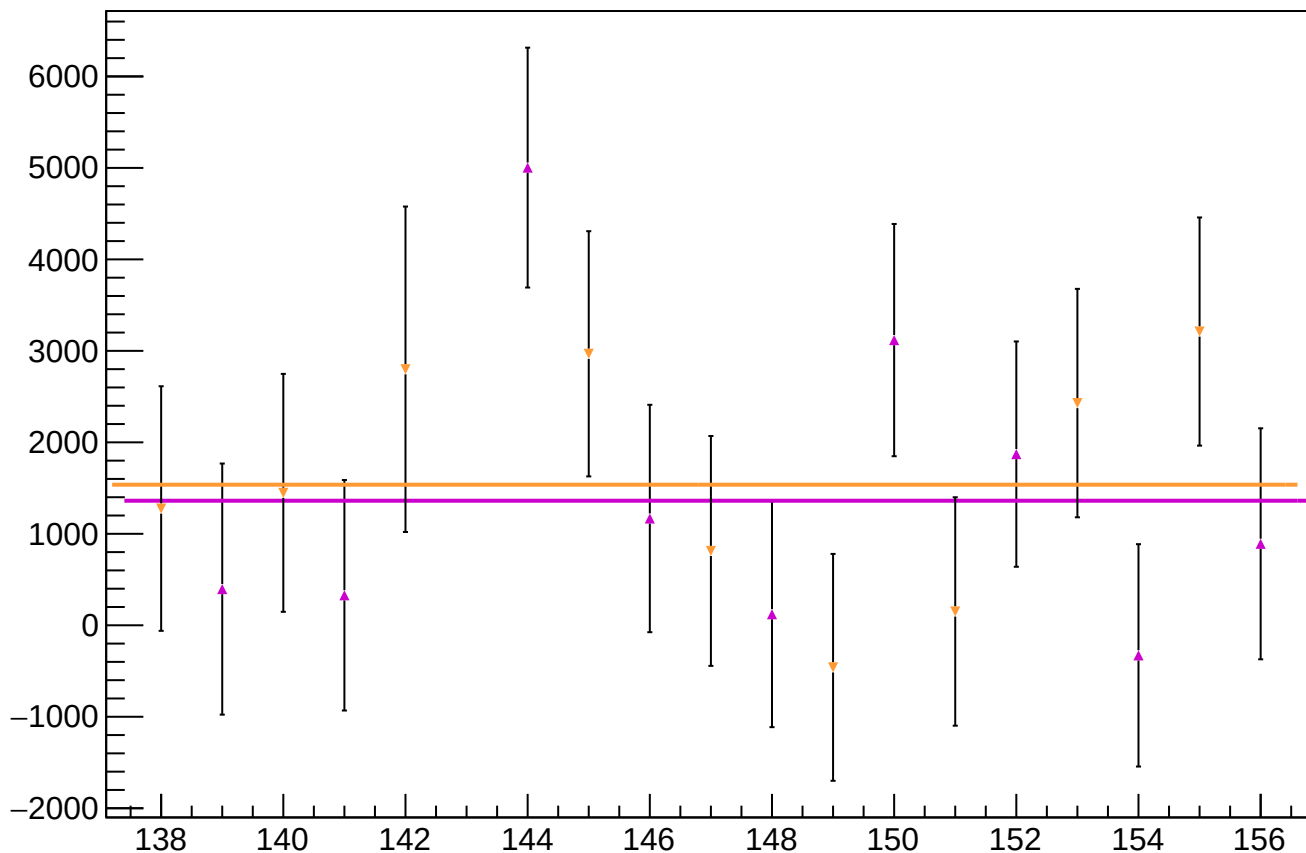
Left In: 791.191+/-0.209 χ^2/NDF : 6362.5/8

793.779+/-0.217 χ^2/NDF : 6417.7/8

792.438+/-0.150 χ^2/NDF : 12854.2/17

791.191+/-0.209 χ^2/NDF : 6362.5/8

cor_asym_usl_mean vs Slug, Sign Corrected



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

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

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

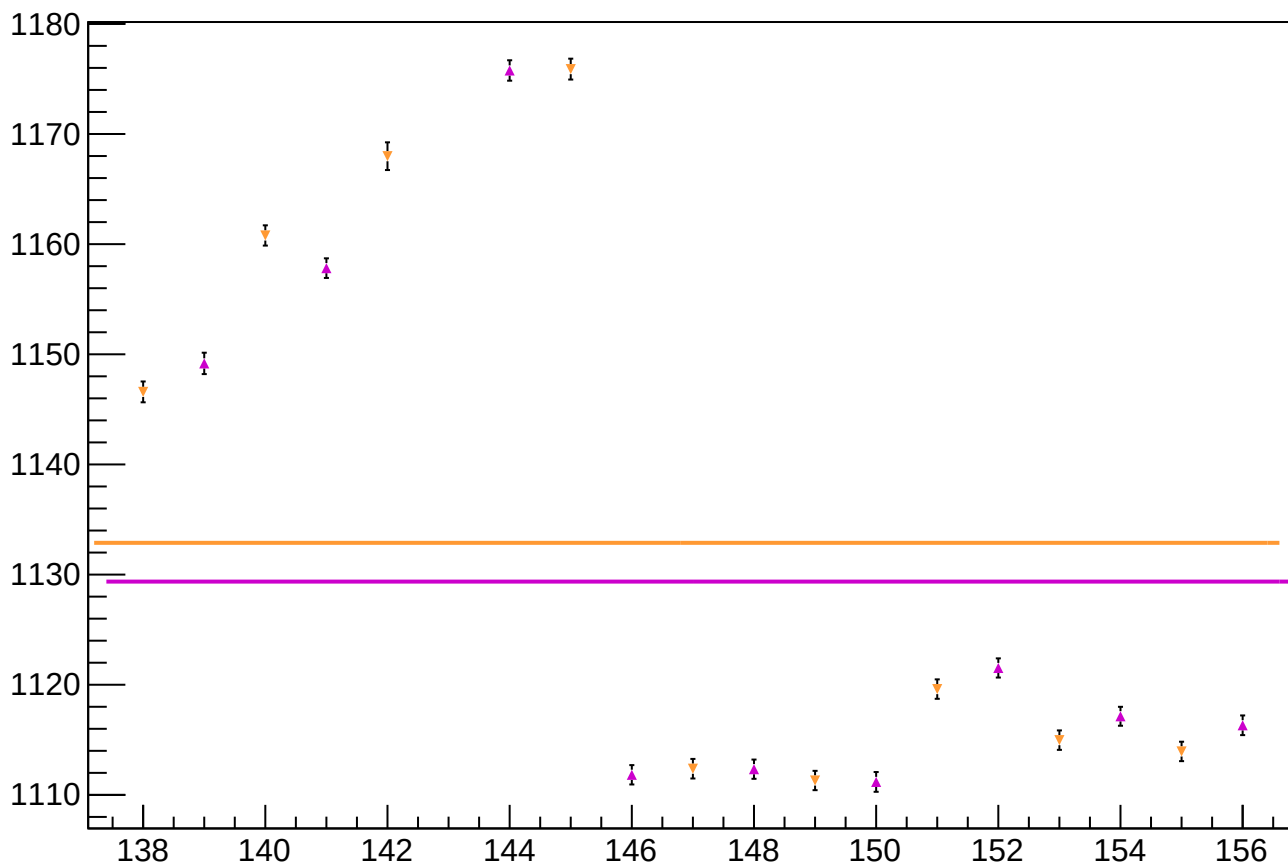
Left In: 1361.839+/-421.447 χ^2/NDF : 14.1/8

1536.901+/-437.153 χ^2/NDF : 8.2/8

1446.169+/-303.409 χ^2/NDF : 22.3/17

1361.839+/-421.447 χ^2/NDF : 14.1/8

cor_asym_usl_rms vs Slug, Sign Corrected



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

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

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

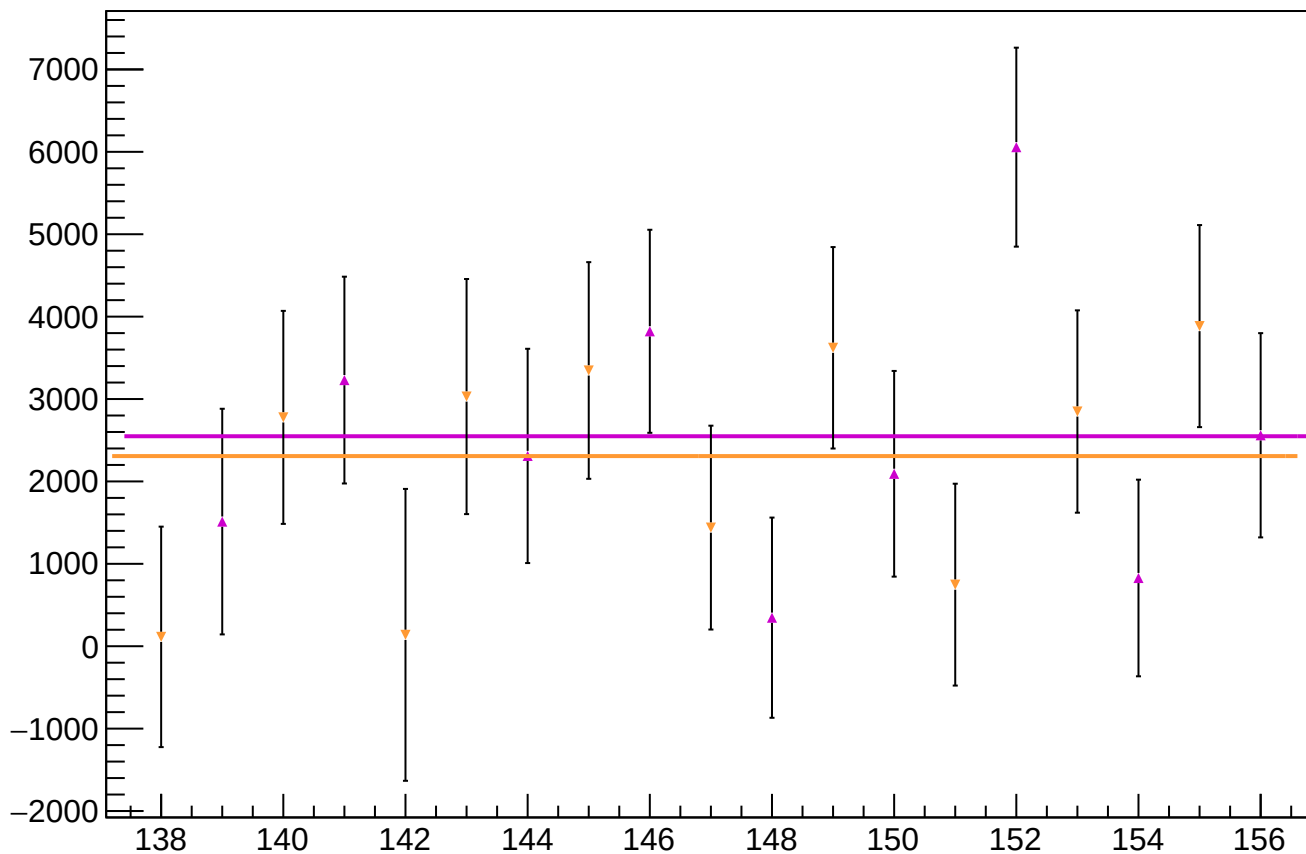
Left In: 1129.365+/-0.298 χ^2/NDF : 5628.5/8

1132.884+/-0.309 χ^2/NDF : 6206.0/8

1131.060+/-0.215 χ^2/NDF : 11901.8/17

1129.365+/-0.298 χ^2/NDF : 5628.5/8

cor_asym_usr_mean vs Slug, Sign Corrected



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

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

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

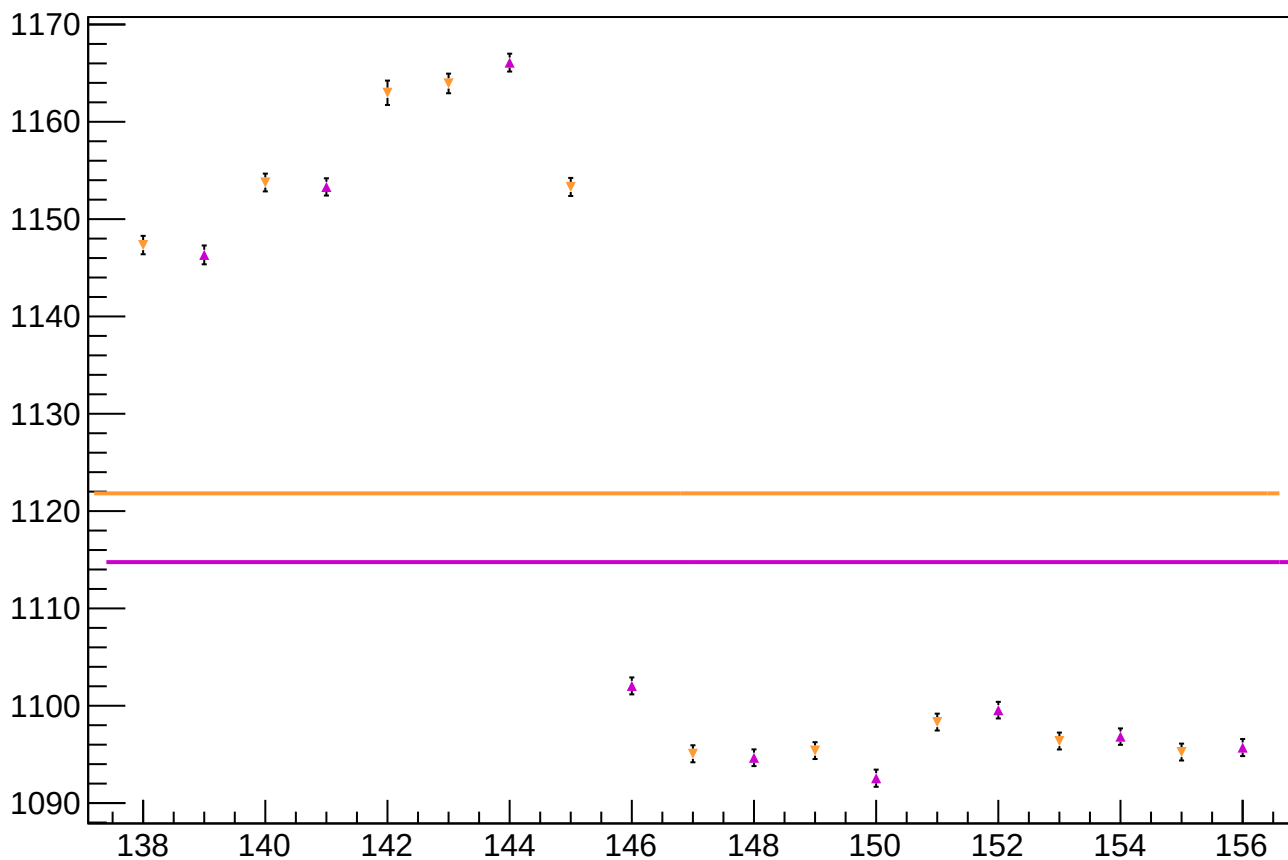
Left In: 2548.332+/-416.041 χ^2/NDF : 15.9/8

2307.545+/-412.970 χ^2/NDF : 10.3/9

2427.047+/-293.094 χ^2/NDF : 26.4/18

2548.332+/-416.041 χ^2/NDF : 15.9/8

cor_asym_usr_rms vs Slug, Sign Corrected



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

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

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

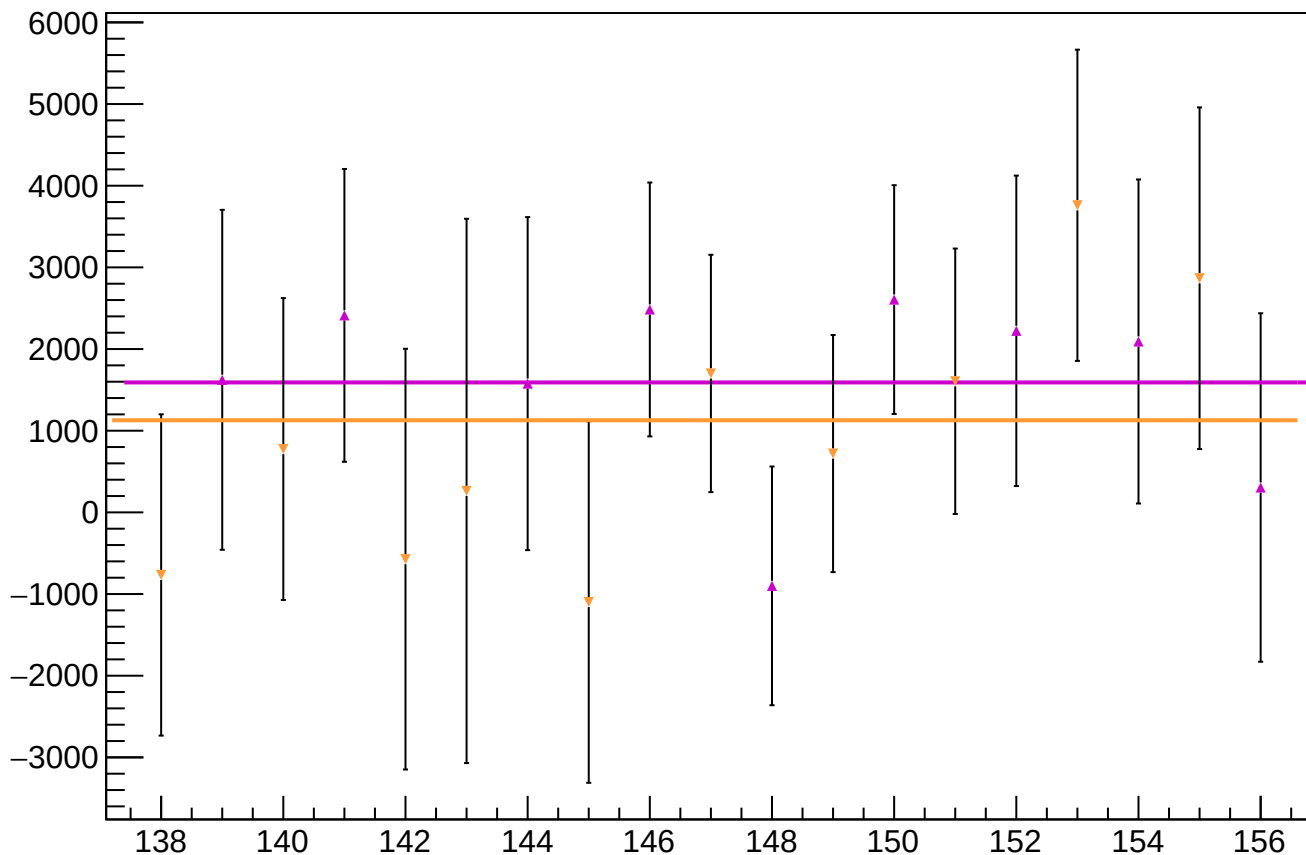
Left In: 1114.758+/-0.294 χ^2/NDF : 8701.8/8

1121.822+/-0.292 χ^2/NDF : 10324.7/9

1118.316+/-0.207 χ^2/NDF : 19316.9/18

1114.758+/-0.294 χ^2/NDF : 8701.8/8

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

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

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

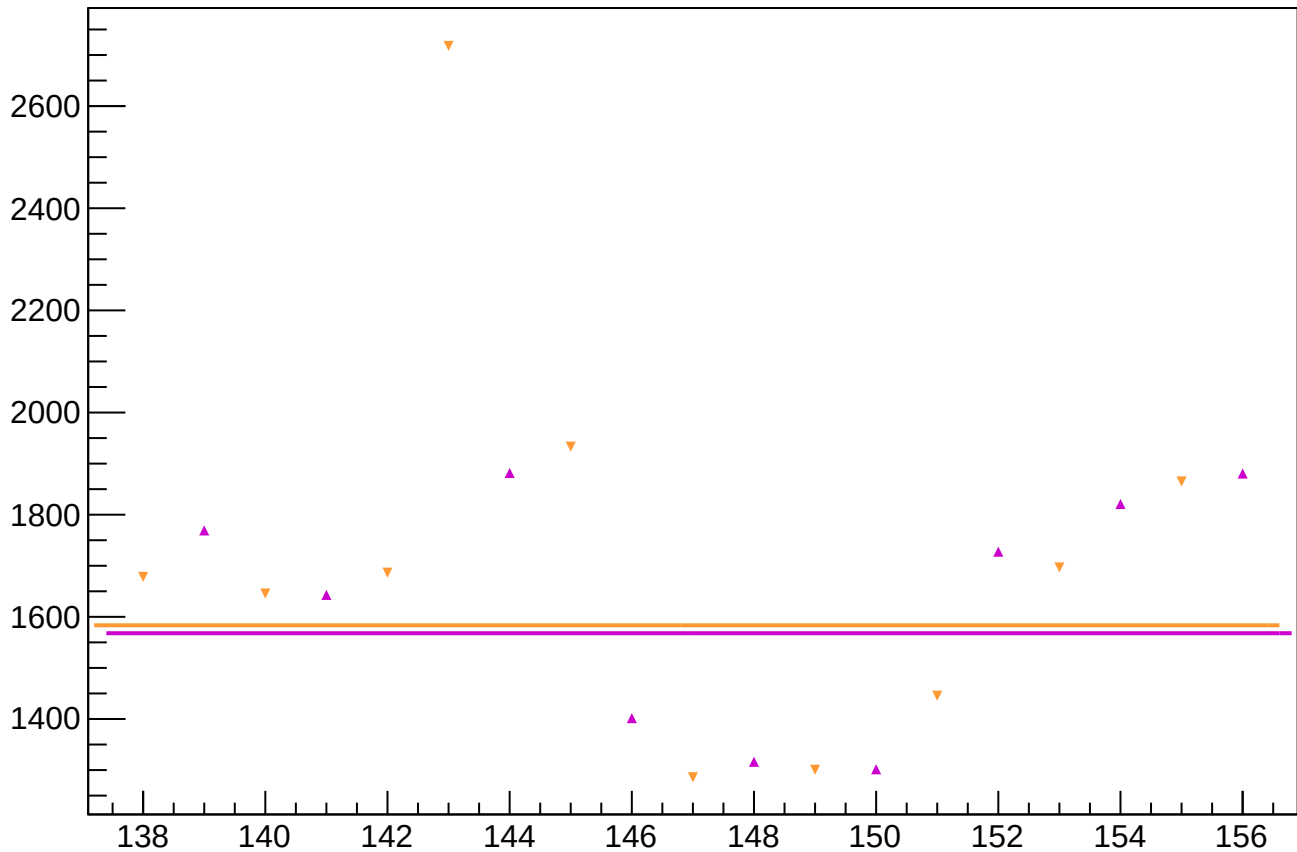
Left In: 1591.216+/-584.713 χ^2/NDF : 4.5/8

1127.803+/-594.807 χ^2/NDF : 5.4/9

1363.475+/-416.977 χ^2/NDF : 10.2/18

1591.216+/-584.713 χ^2/NDF : 4.5/8

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

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

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

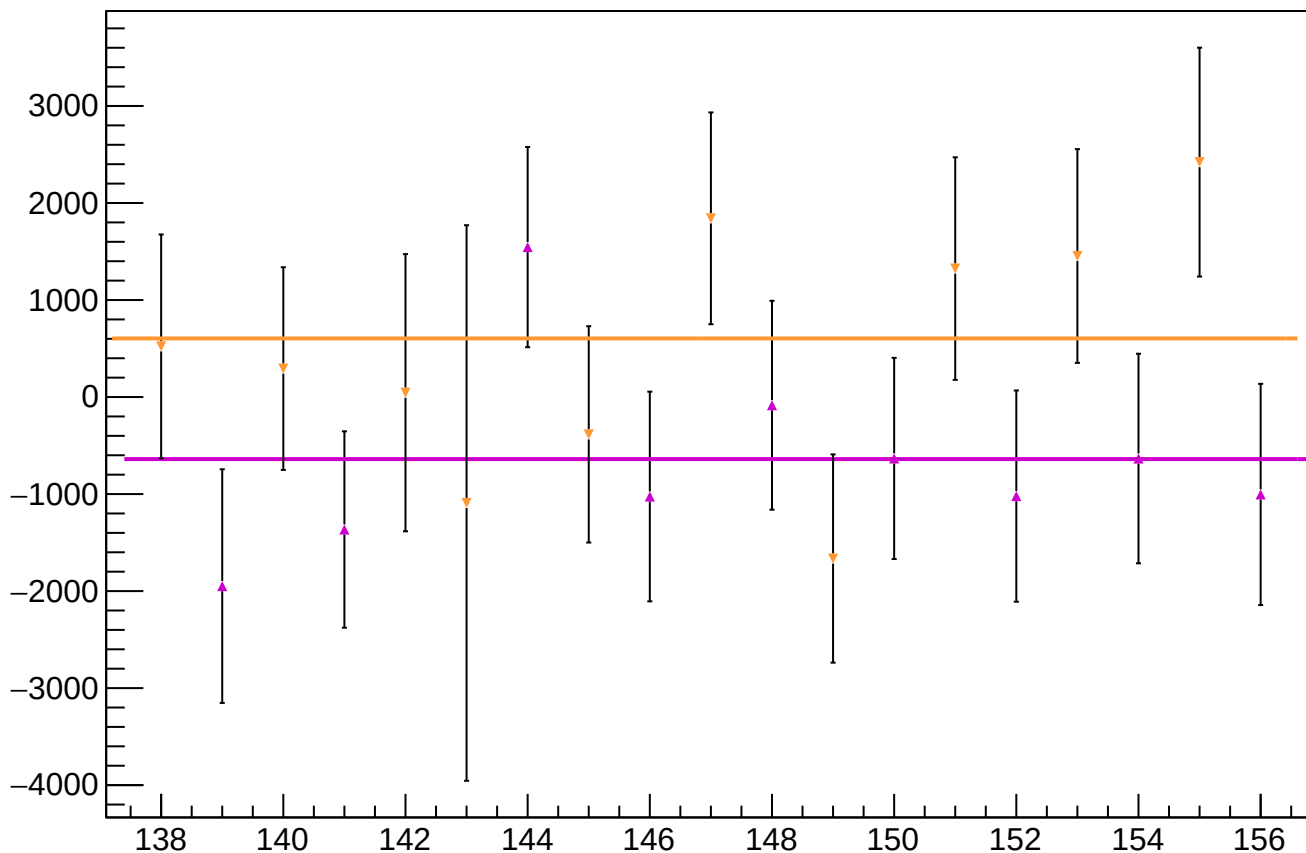
Left In: 1567.937+/-0.413 χ^2/NDF : 313747.4/8

1583.447+/-0.421 χ^2/NDF : 509361.8/9

1575.560+/-0.295 χ^2/NDF : 823800.7/18

1567.937+/-0.413 χ^2/NDF : 313747.4/8

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

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

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

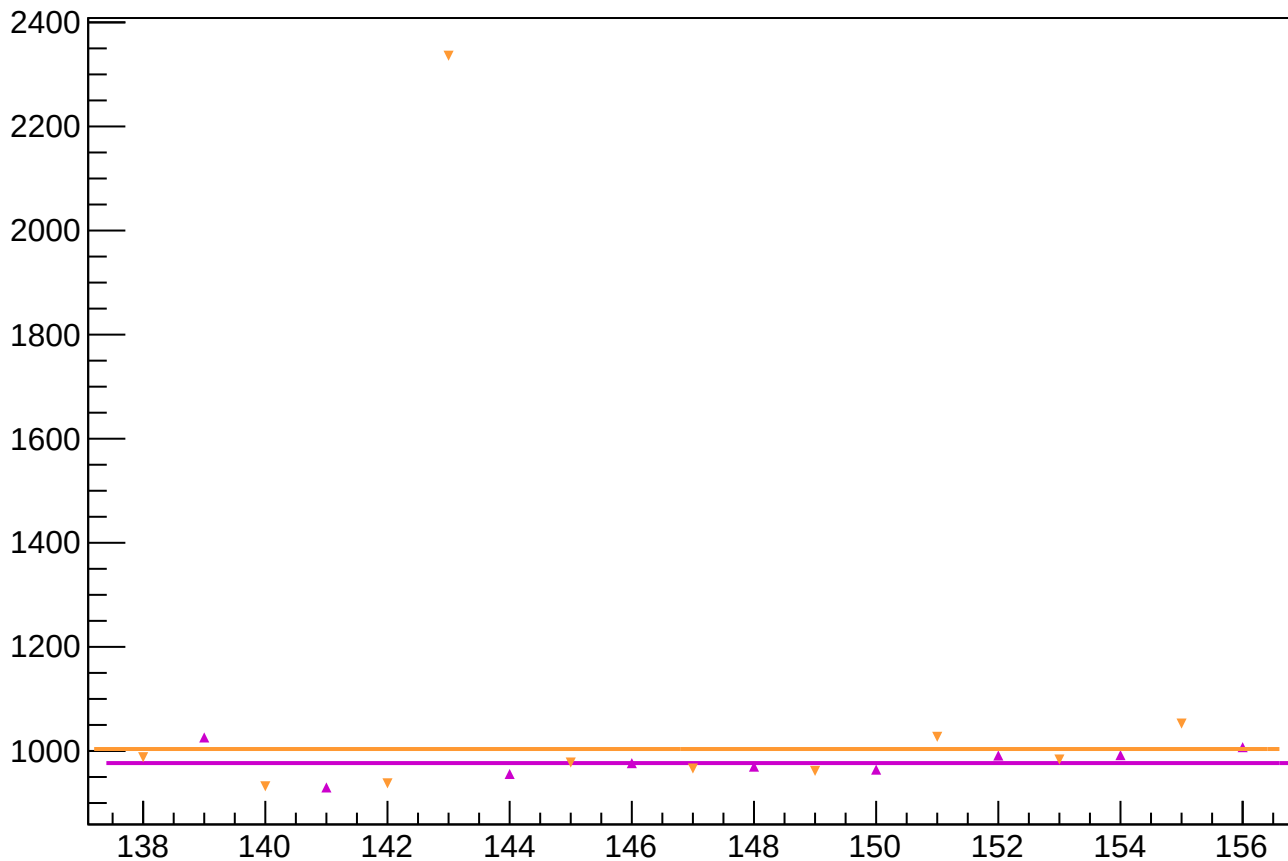
Left In: -639.635+/-359.819 χ^2/NDF : 6.8/8

604.119+/-375.422 χ^2/NDF : 10.5/9

-44.141+/-259.772 χ^2/NDF : 23.0/18

-639.635+/-359.819 χ^2/NDF : 6.8/8

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

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

1003.754+/-0.265 χ^2/NDF : 458451.5/9

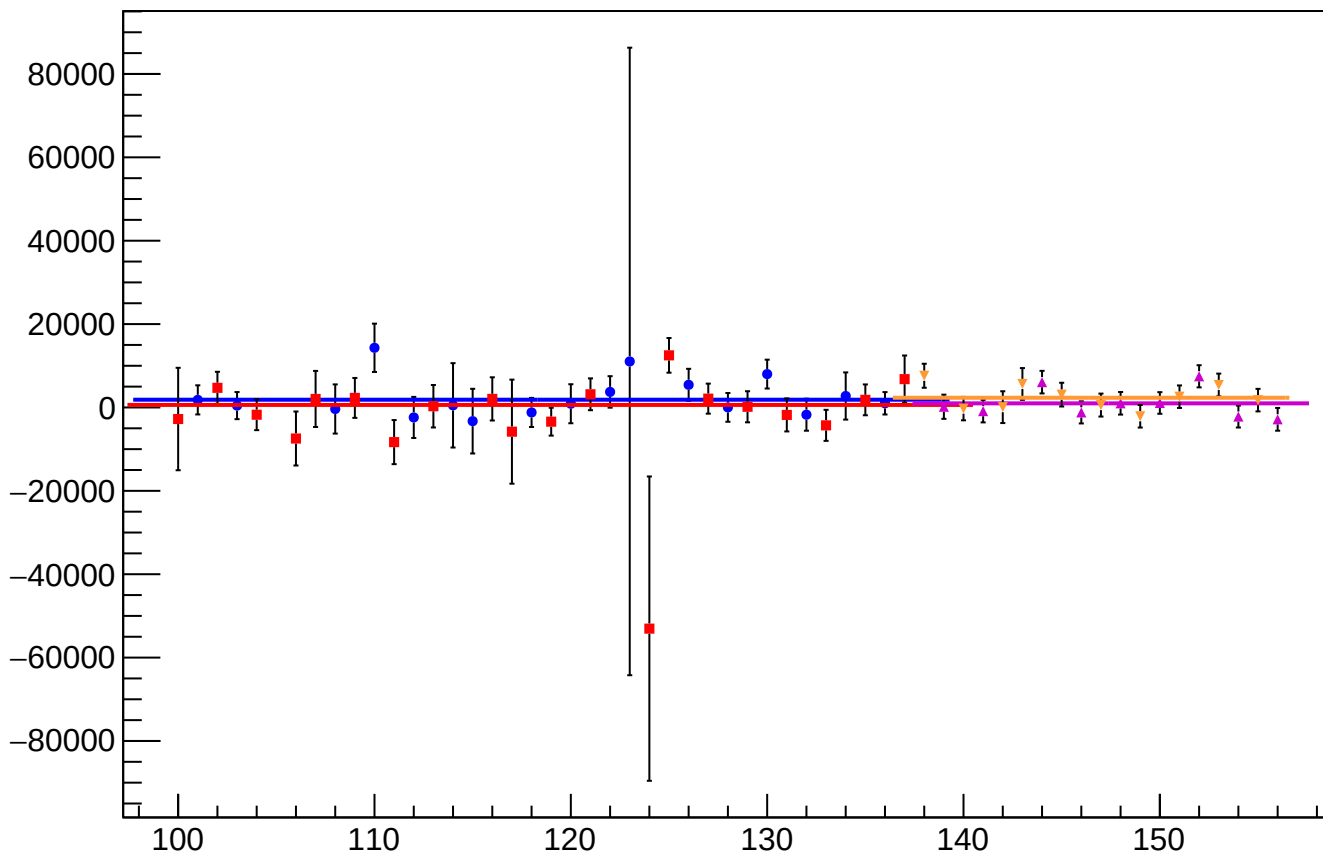
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

989.669+/-0.184 χ^2/NDF : 474873.0/18

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

976.731+/-0.254 χ^2/NDF : 11020.5/8

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

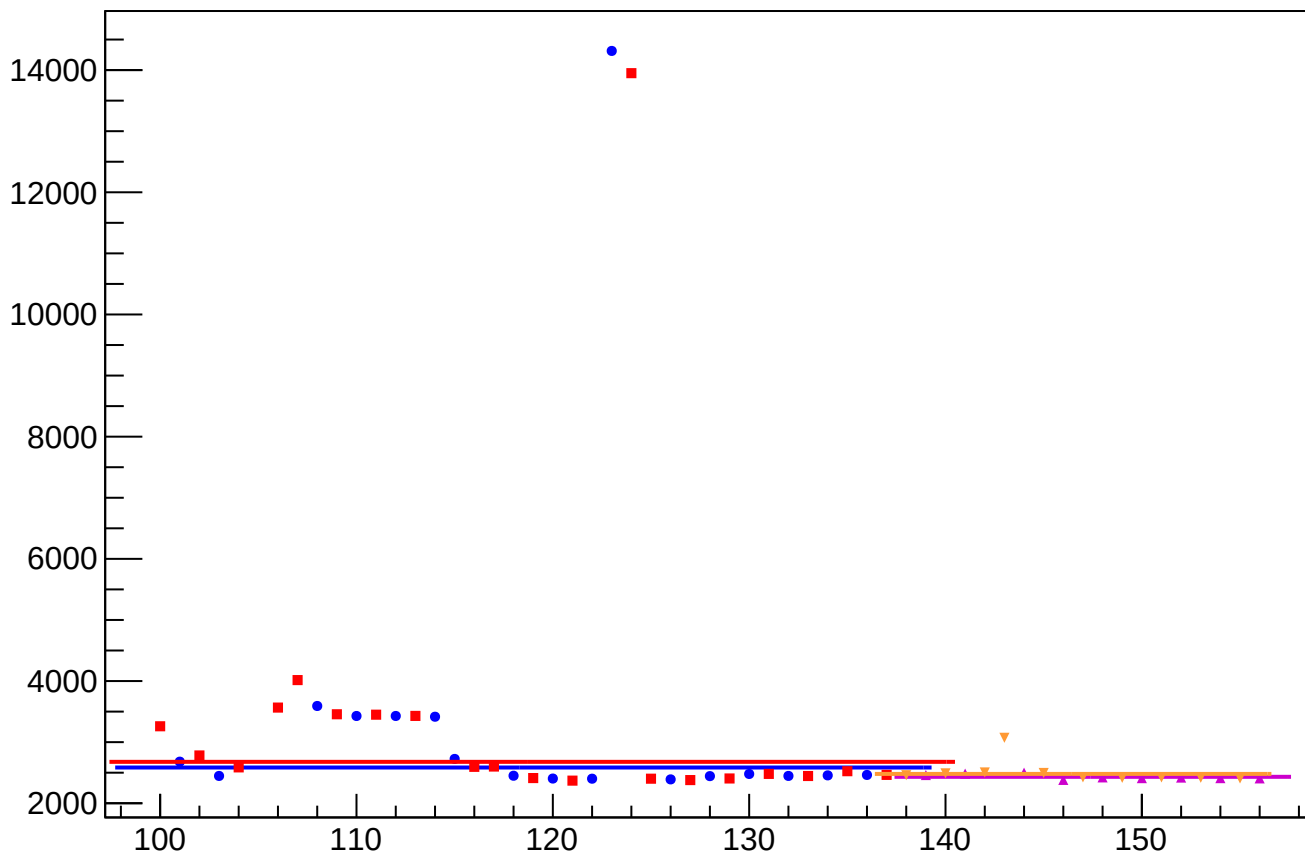
Left In: 985.853+/-898.135 χ^2/NDF : 14.1/8

2119.244+/-680.451 χ^2/NDF : 22.5/26

1464.718+/-478.914 χ^2/NDF : 60.8/55

822.227+/-674.166 χ^2/NDF : 36.5/28

reg_asym_atl1_rms vs Slug, Sign Corrected



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

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

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

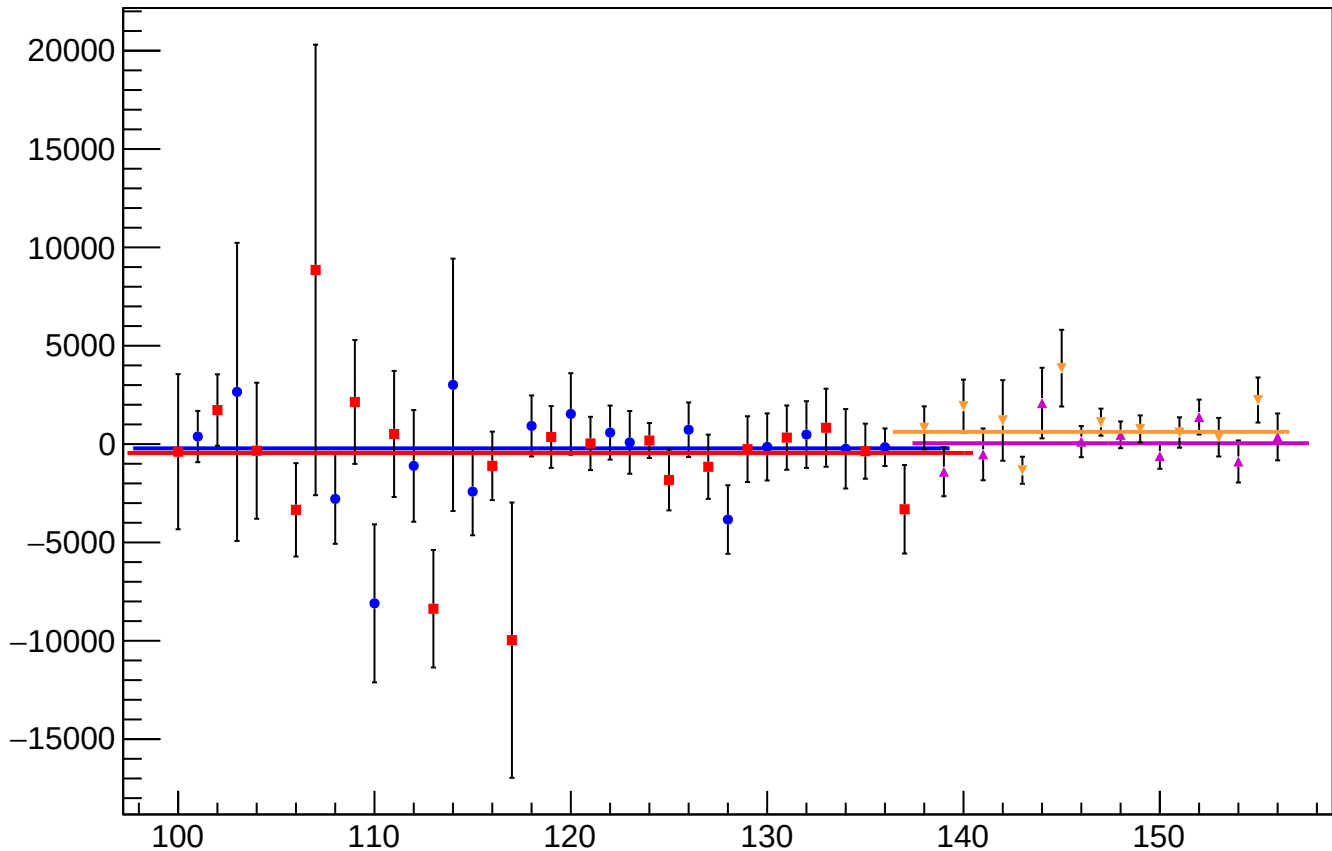
Left In: 2432.544+/-0.635 χ^2/NDF : 3470.6/8

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

2533.500+/-0.339 χ^2/NDF : 922416.0/55

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

asym_atl1_correction_mean vs Slug, Sign Corrected



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

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

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

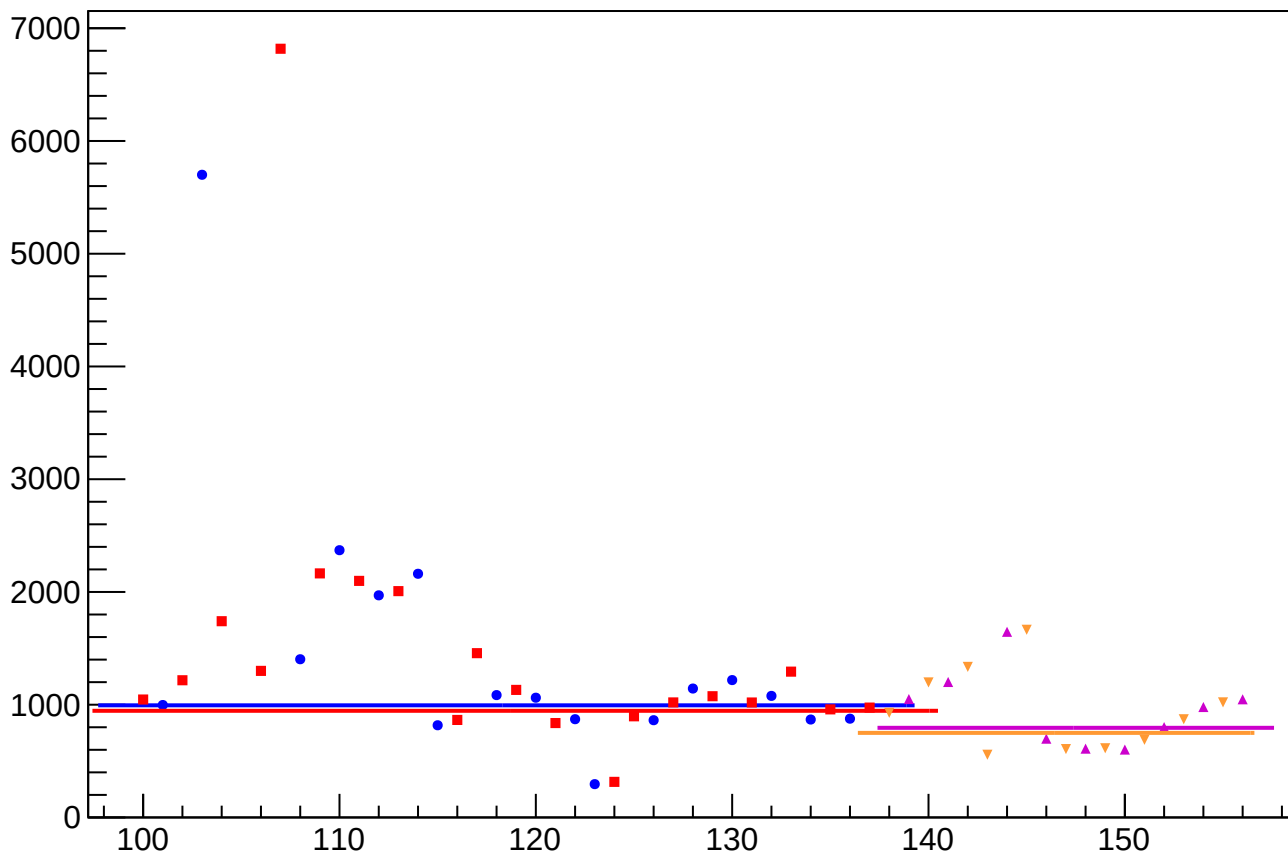
Left In: 43.635 ± 308.302 χ^2/NDF : 7.3/8

348.814 ± 239.810 χ^2/NDF : 30.6/26

112.853 ± 171.730 χ^2/NDF : 58.4/55

-135.517 ± 246.035 χ^2/NDF : 25.8/28

asym_atl1_correction_rms vs Slug, Sign Corrected



Right In: 994.541+/-0.297 χ^2/NDF : 1904549.2/16

Left Out: 750.101+/-0.207 χ^2/NDF :1356388.4/9

Right Out: 946.032+/-0.289 χ^2/NDF : 2676710.2/19

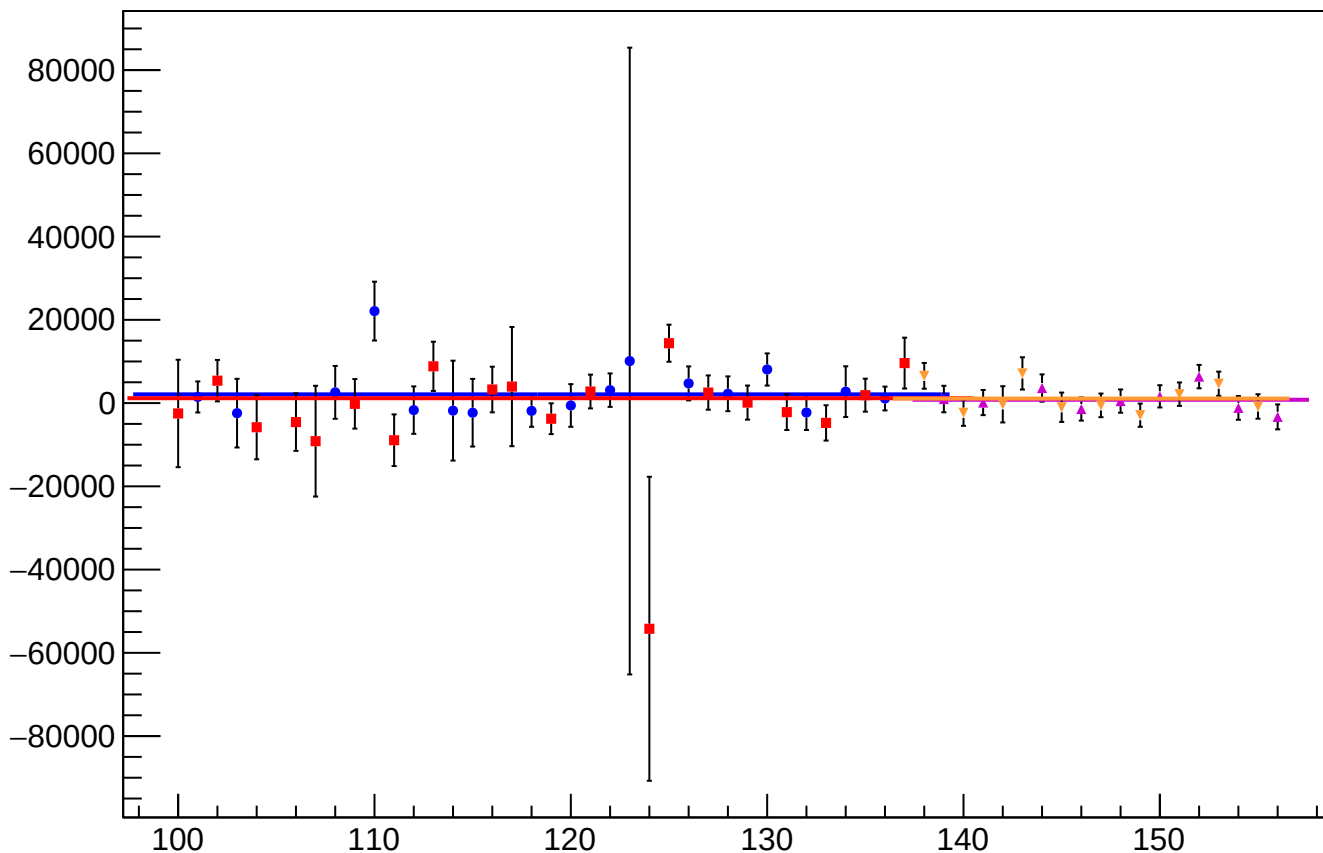
Left In: 795.030+/-0.218 χ^2/NDF :1229239.5/8

829.762+/-0.170 χ^2/NDF : 3717441.8/26

839.556+/-0.121 χ^2/NDF : 7804467.7/55

849.865+/-0.174 χ^2/NDF : 4080178.5/28

asym_atl1_mean vs Slug, Sign Corrected



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

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

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

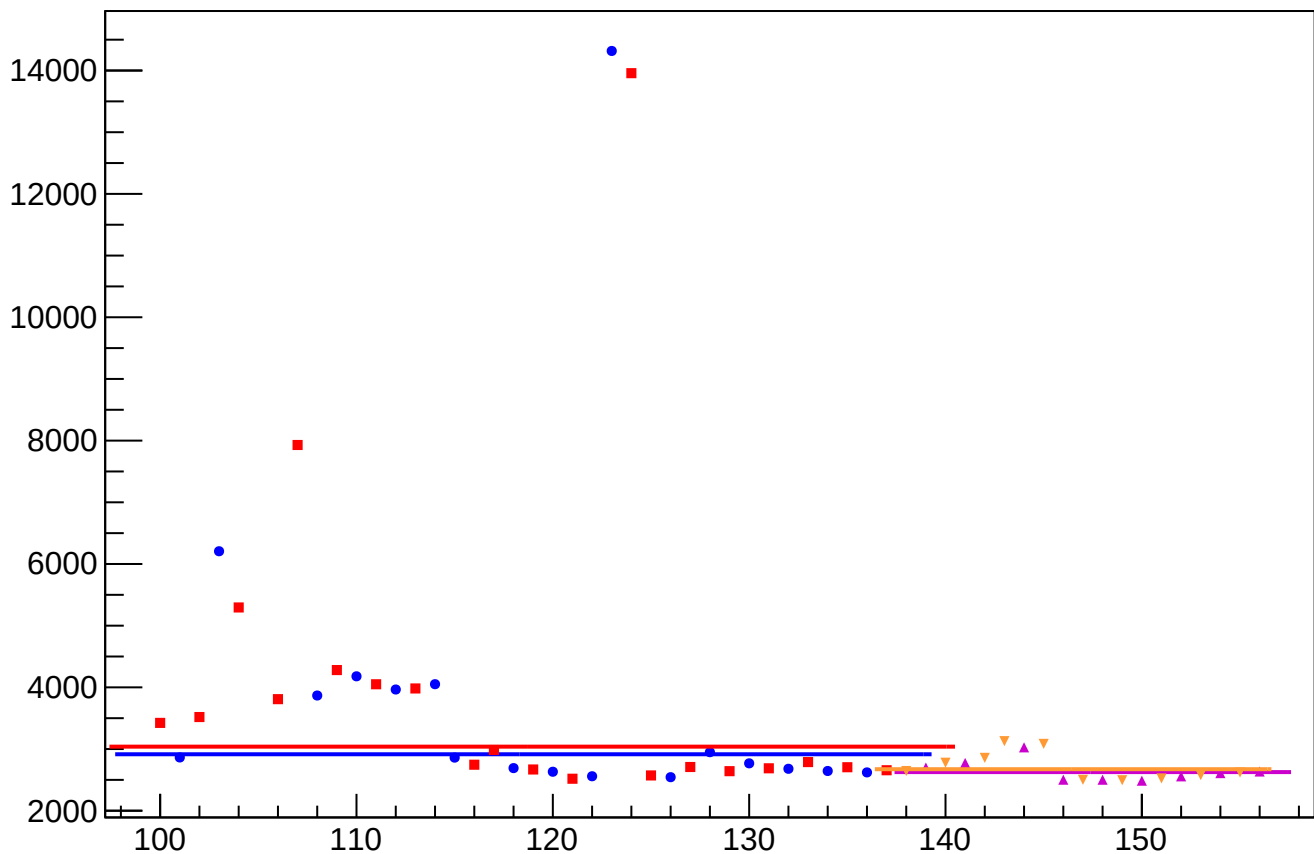
Left In: 797.194+/-971.303 χ^2/NDF : 7.8/8

1513.855+/-753.526 χ^2/NDF : 26.7/26

1228.916+/-531.814 χ^2/NDF : 60.0/55

946.128+/-750.678 χ^2/NDF : 33.1/28

asym_atl1_rms vs Slug, Sign Corrected



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

Left Out: 2672.881 $\pm$ 0.701 $\chi^2/\text{NDF}: 84654.3/9$

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

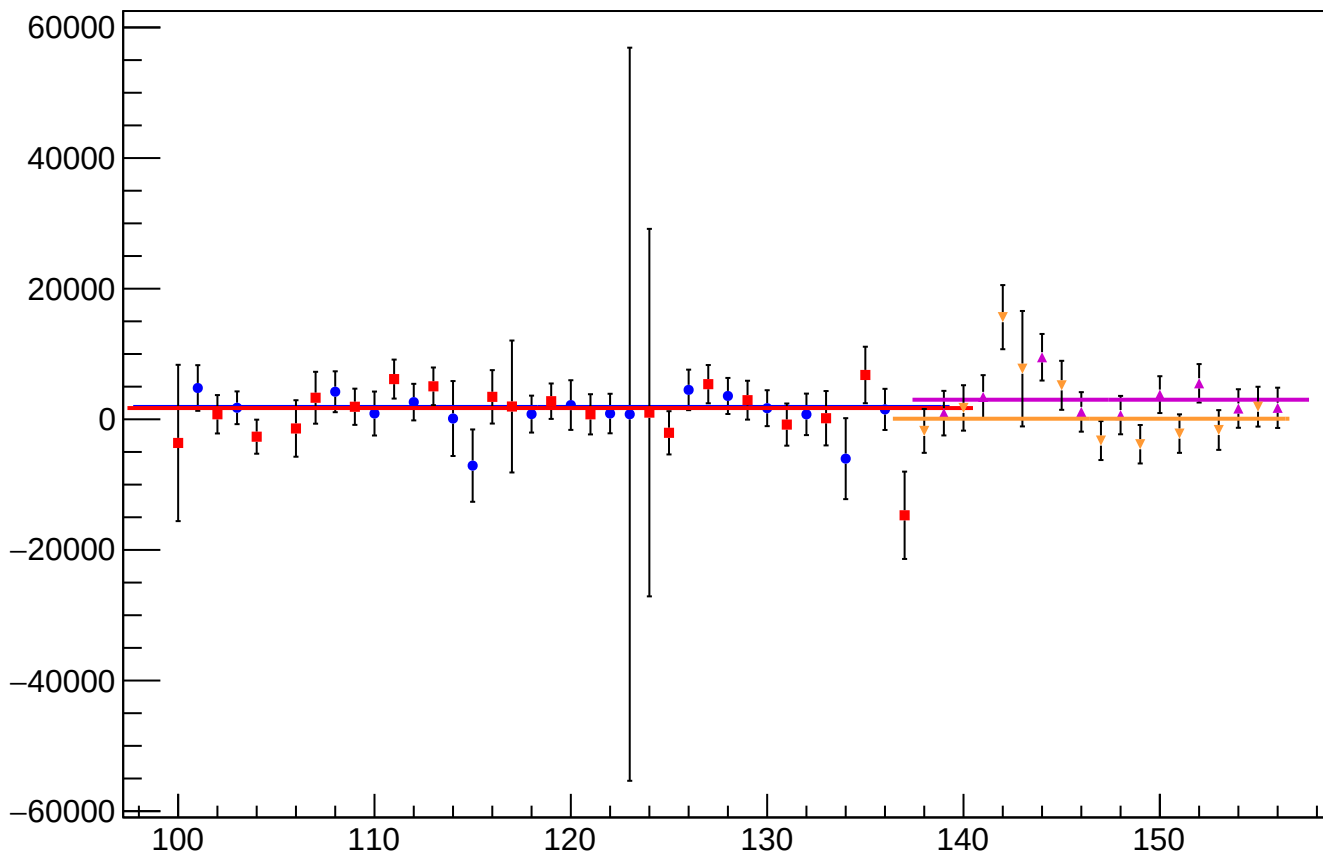
Left In: 2626.144 $\pm$ 0.687 $\chi^2/\text{NDF}: 50384.2/8$

2775.057 $\pm$ 0.533 $\chi^2/\text{NDF}: 774228.7/26$

2783.713 $\pm$ 0.376 $\chi^2/\text{NDF}: 1981893.5/55$

2792.303 $\pm$ 0.531 $\chi^2/\text{NDF}: 1207139.1/28$

reg_asym_atl2_mean vs Slug, Sign Corrected



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

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

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

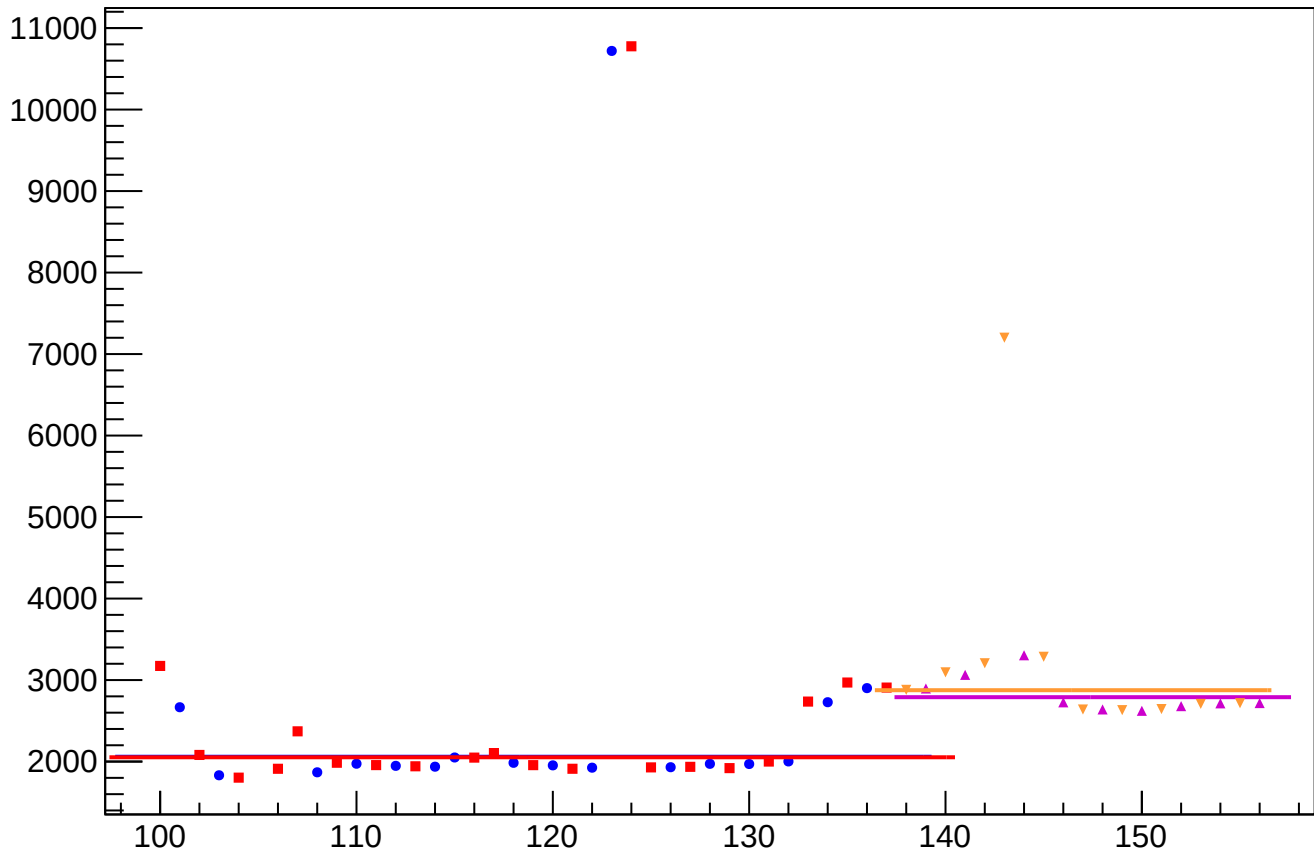
Left In: 2998.293 $\pm$ 1031.196 χ^2 /NDF: 5.9/8

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

1733.631 $\pm$ 450.568 χ^2 /NDF: 53.5/55

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

reg_asym_atl2_rms vs Slug, Sign Corrected



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

Left Out: 2875.509+/-0.765 χ^2/NDF : 570265.8/9

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

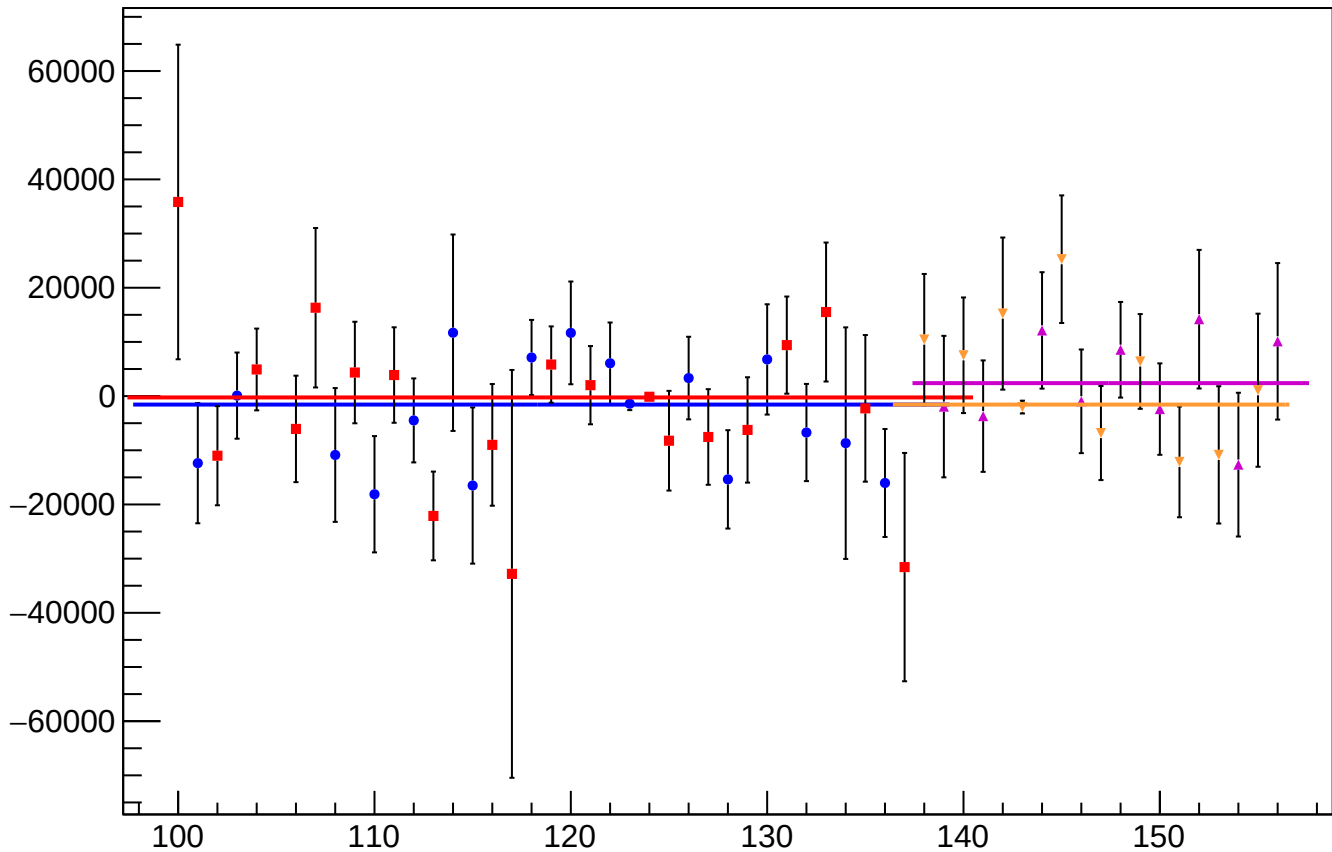
Left In: 2789.935+/-0.729 χ^2/NDF : 75337.0/8

2353.061+/-0.459 χ^2/NDF : 1618282.7/26

2338.151+/-0.319 χ^2/NDF : 2784817.3/55

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

asym_atl2_correction_mean vs Slug, Sign Corrected



Right In: -1563.218 ± 1053.946 χ^2/NDF : 16.2/16

Left Out: -1565.240 ± 1125.061 χ^2/NDF : 11.3/9

Right Out: -247.306 ± 695.049 χ^2/NDF : 21.6/19

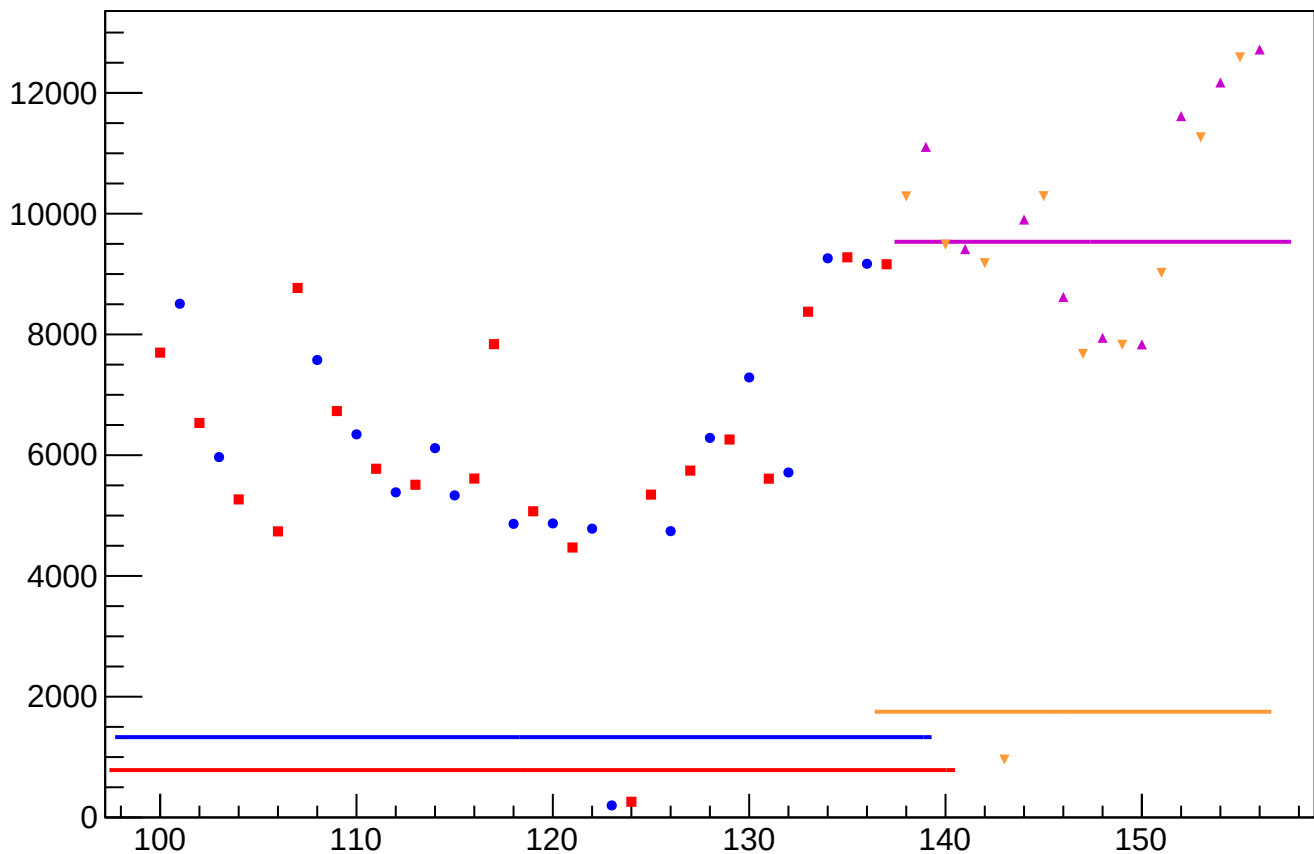
Left In: 2393.384 ± 3572.151 χ^2/NDF : 4.6/8

-1564.163 ± 769.165 χ^2/NDF : 27.5/26

-773.252 ± 510.400 χ^2/NDF : 56.1/55

-150.979 ± 682.254 χ^2/NDF : 26.7/28

asym_atl2_correction_rms vs Slug, Sign Corrected



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

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

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

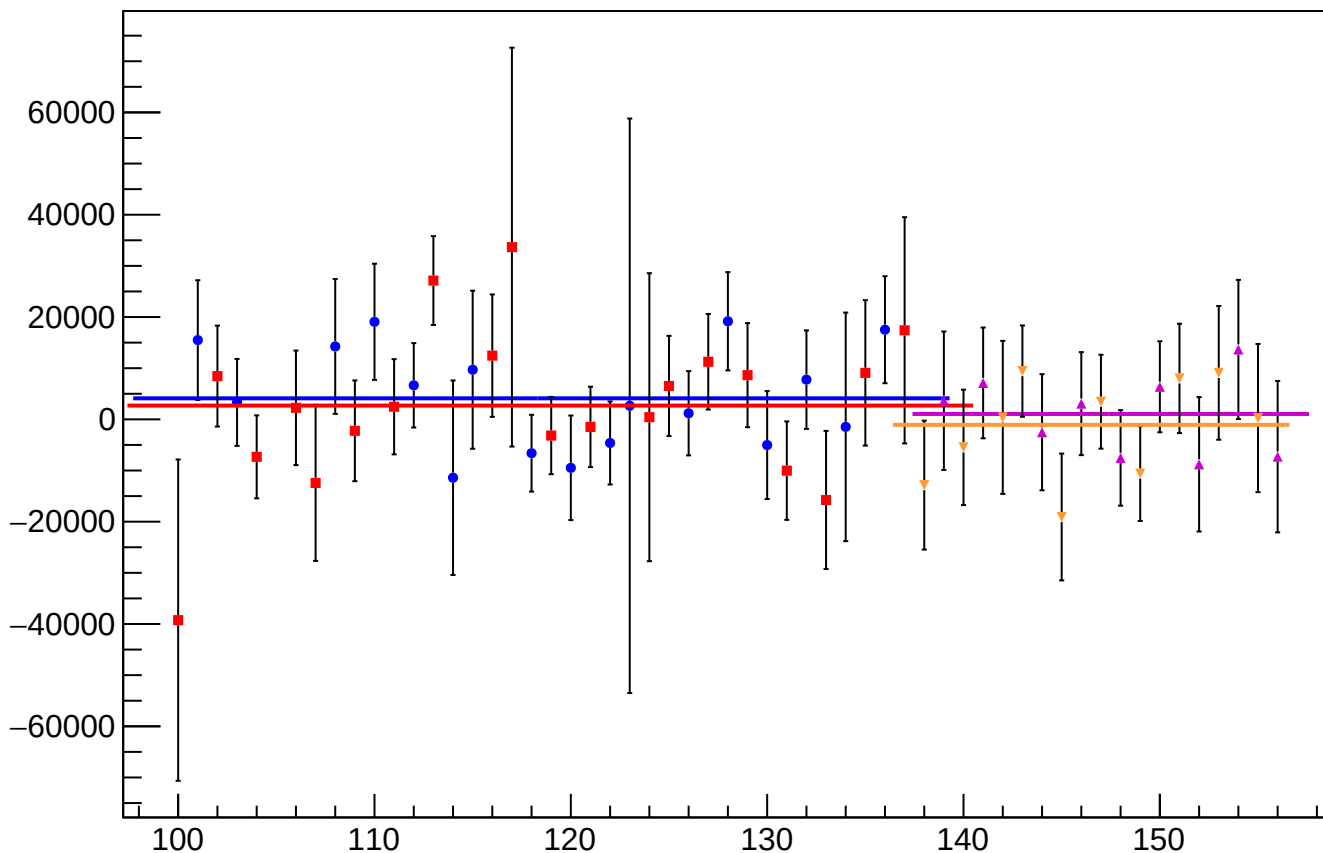
Left In: 9534.653+/-2.526 χ^2/NDF : 425170.1/8

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

1289.971+/-0.361 χ^2/NDF : 43804528.2/5

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

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

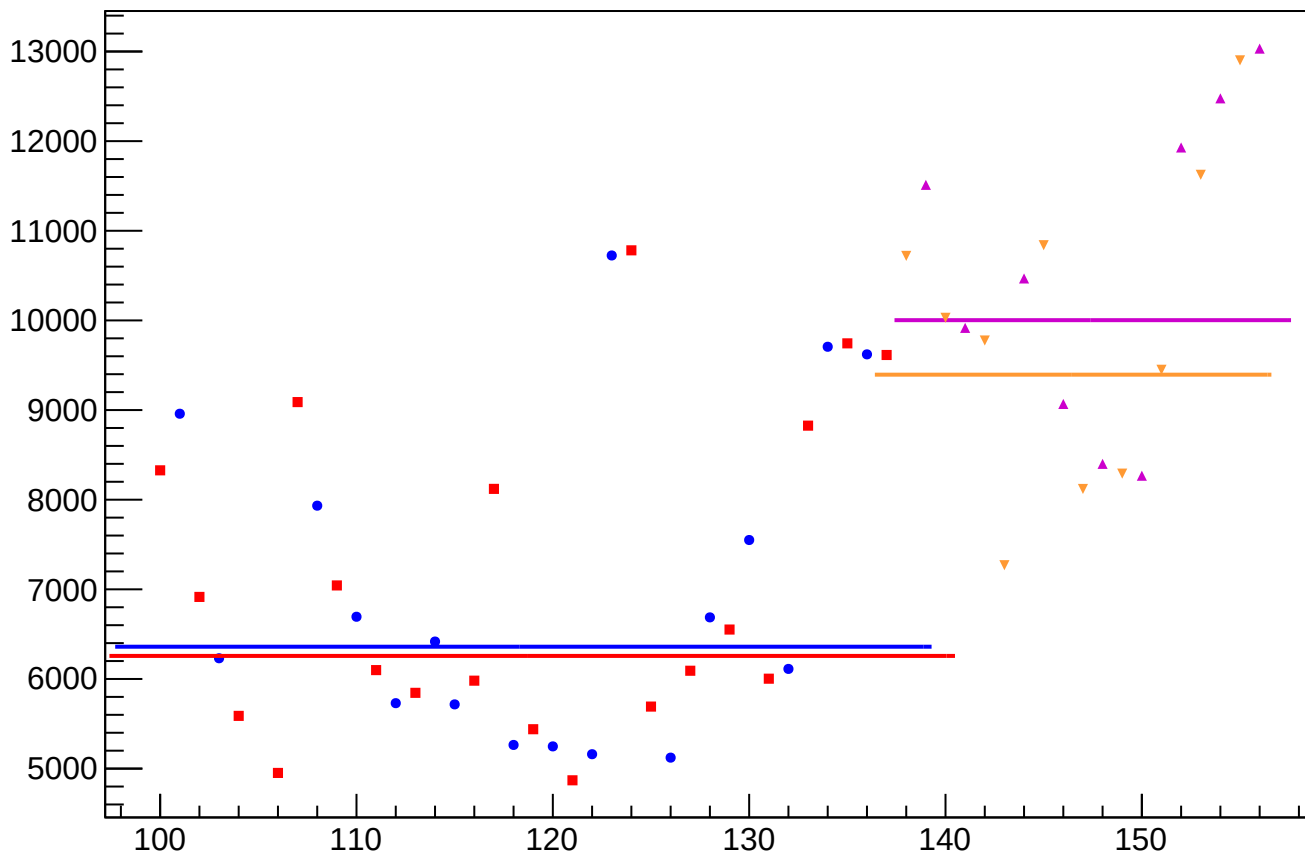
Left In: 1051.704 $\pm$ 3740.106 χ^2 /NDF: 3.4/8

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

2278.015 $\pm$ 1444.697 χ^2 /NDF: 47.1/55

2212.712 $\pm$ 2029.306 χ^2 /NDF: 24.2/28

asym_atl2_rms vs Slug, Sign Corrected



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

Left Out: 9394.781+/-2.491 χ^2/NDF : 412950.7/9

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

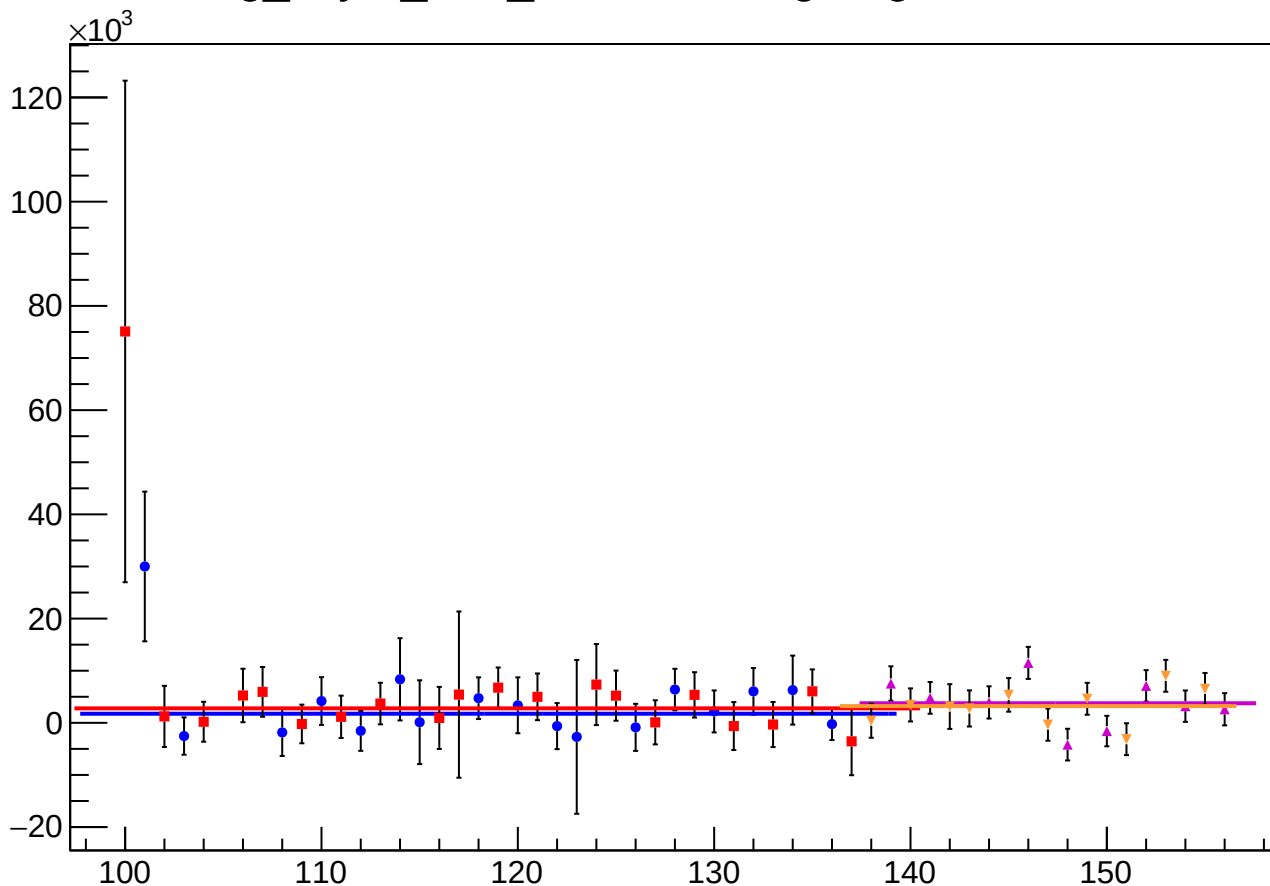
Left In: 10002.772+/-2.645 χ^2/NDF : 373666.0/8

7395.255+/-1.455 χ^2/NDF : 1971748.2/26

7377.295+/-1.022 χ^2/NDF : 4298624.8/55

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

reg_asym_atr1_mean vs Slug, Sign Corrected



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

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

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

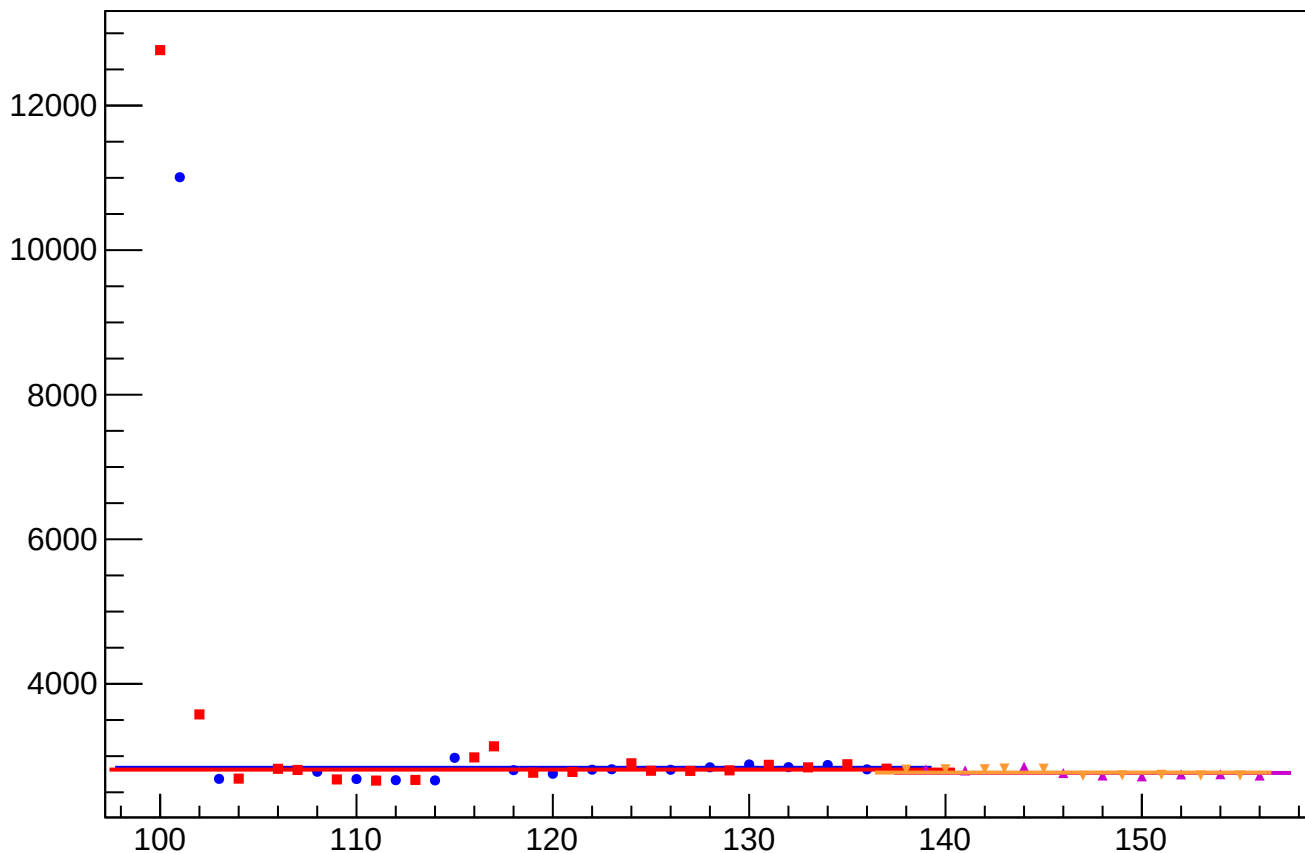
Left In: 3755.031 $\pm$ 1020.911 χ^2 /NDF:19.3/8

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

2929.316 $\pm$ 528.737 χ^2 /NDF: 54.9/55

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

reg_asym_atr1_rms vs Slug, Sign Corrected



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

Left Out: 2772.550 $\pm$ 0.722 χ^2 /NDF: 3705.4/9

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

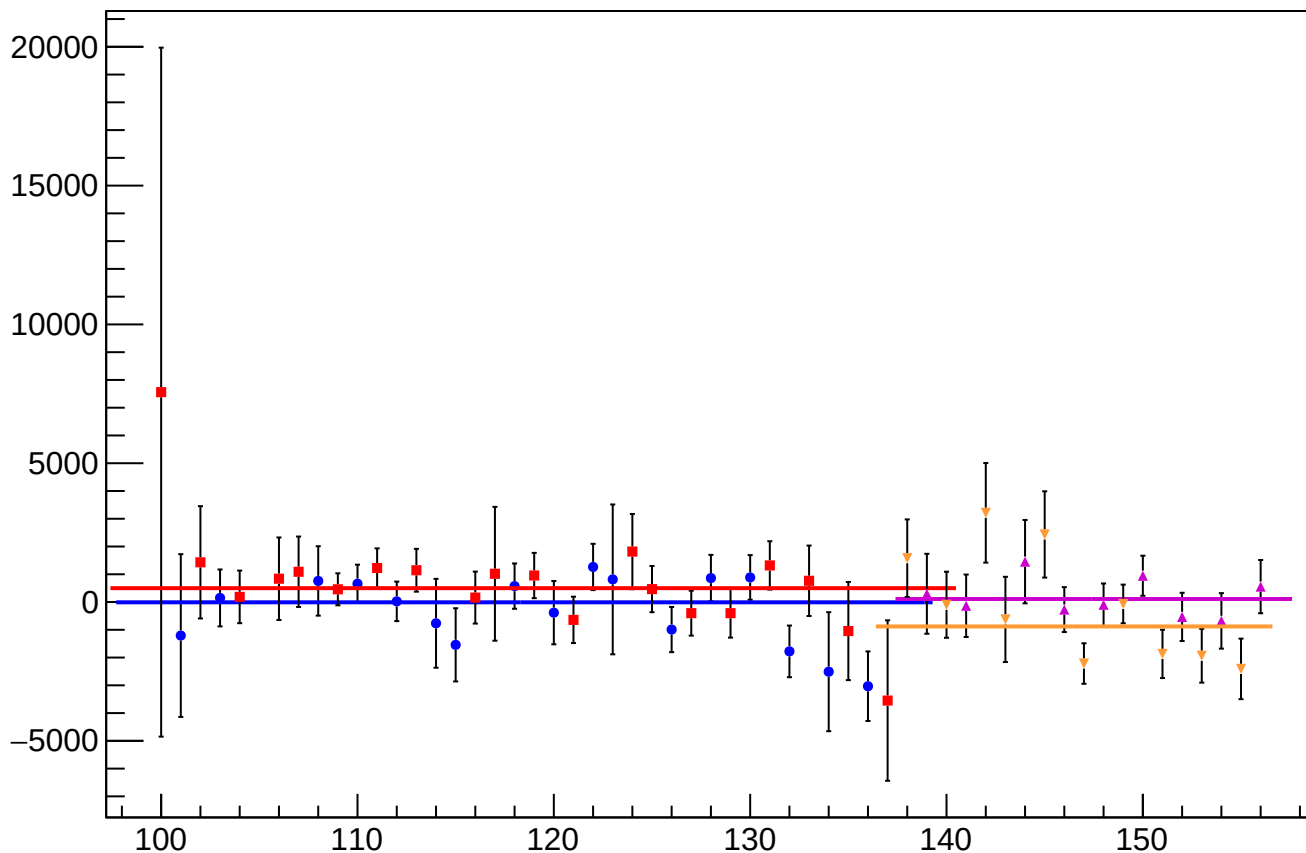
Left In: 2767.476 $\pm$ 0.722 χ^2 /NDF: 3448.4/8

2802.360 $\pm$ 0.536 χ^2 /NDF: 667695.8/26

2795.868 $\pm$ 0.374 χ^2 /NDF: 807301.7/55

2789.696 $\pm$ 0.522 χ^2 /NDF: 139319.3/28

asym_atr1_correction_mean vs Slug, Sign Corrected



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

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

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

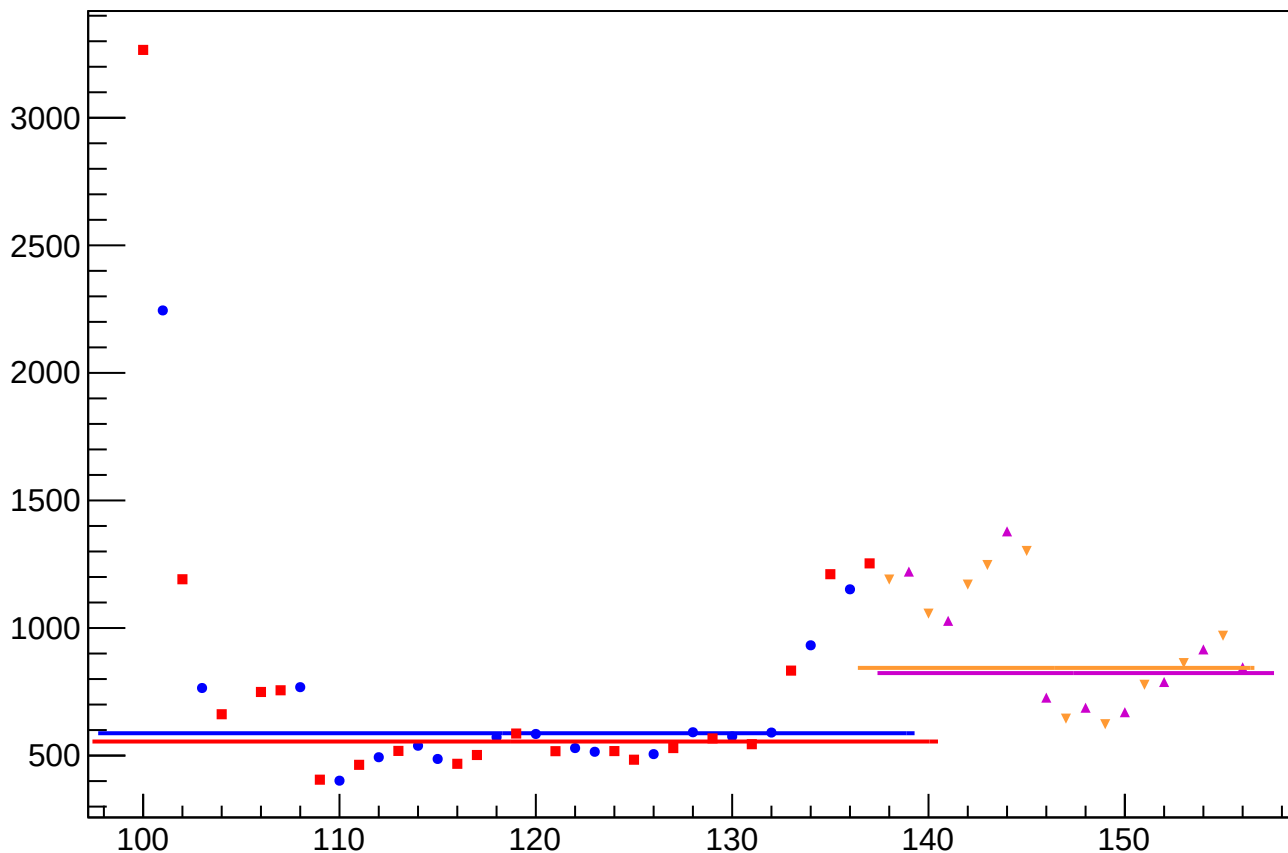
Left In: 110.122 ± 311.955 $\chi^2/\text{NDF}: 3.9/8$

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

49.648 ± 131.889 $\chi^2/\text{NDF}: 71.5/55$

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

asym_atr1_correction_rms vs Slug, Sign Corrected



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

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

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

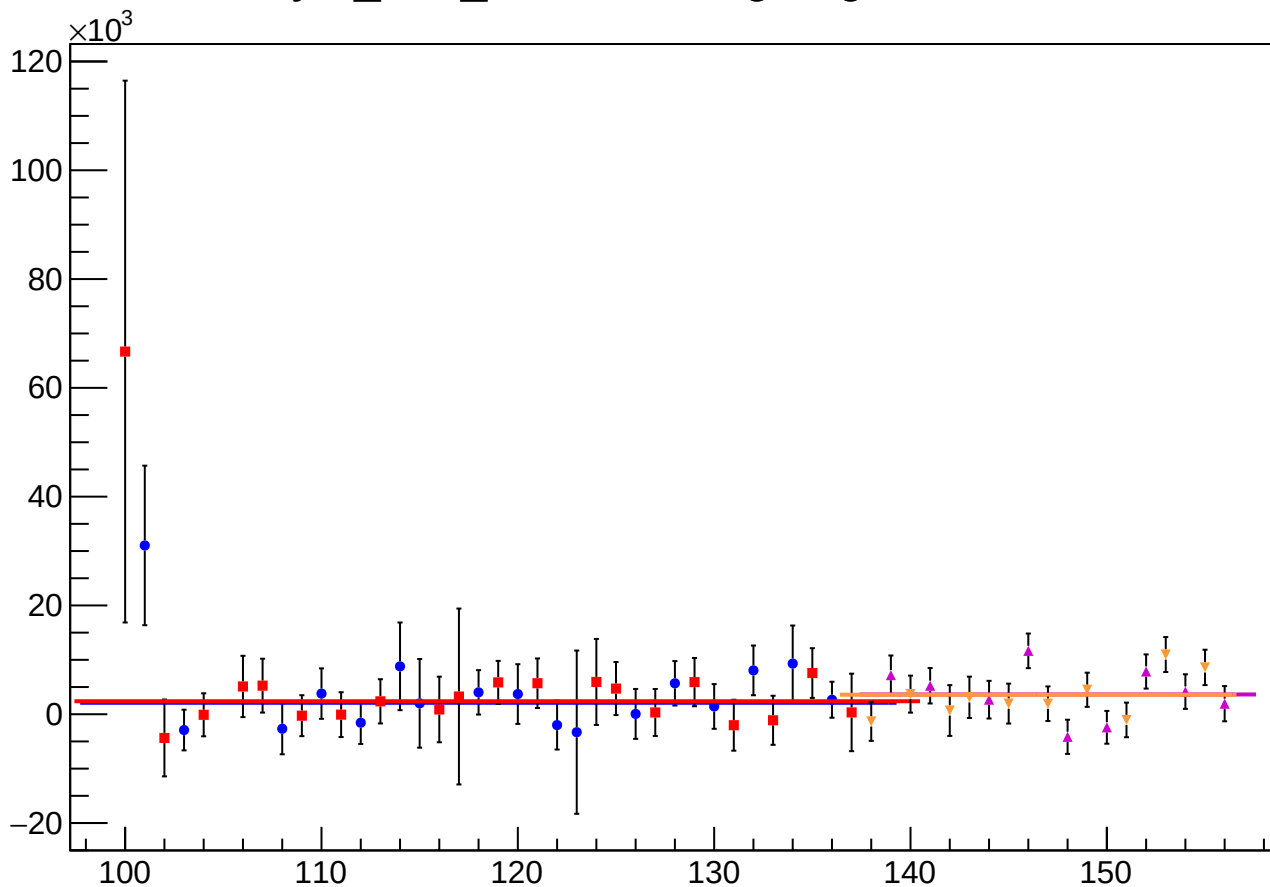
Left In: 823.366+/-0.221 χ^2/NDF : 695635.3/8

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

660.599+/-0.093 χ^2/NDF : 6006985.5/55

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

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

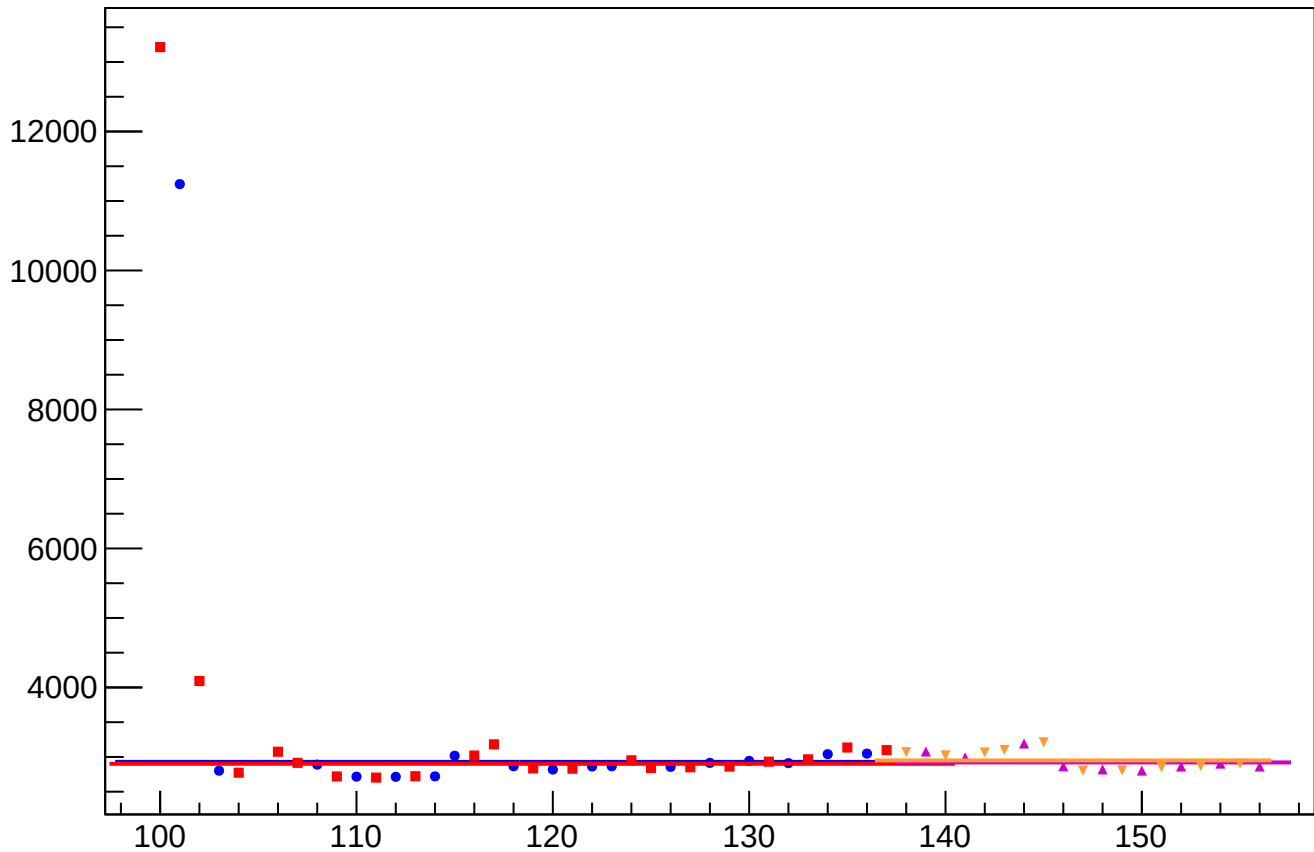
Left In: 3633.576 $\pm$ 1078.331 χ^2 /NDF:19.9/8

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

2965.093 $\pm$ 554.074 χ^2 /NDF: 57.4/55

3028.432 $\pm$ 772.649 χ^2 /NDF: 30.4/28

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

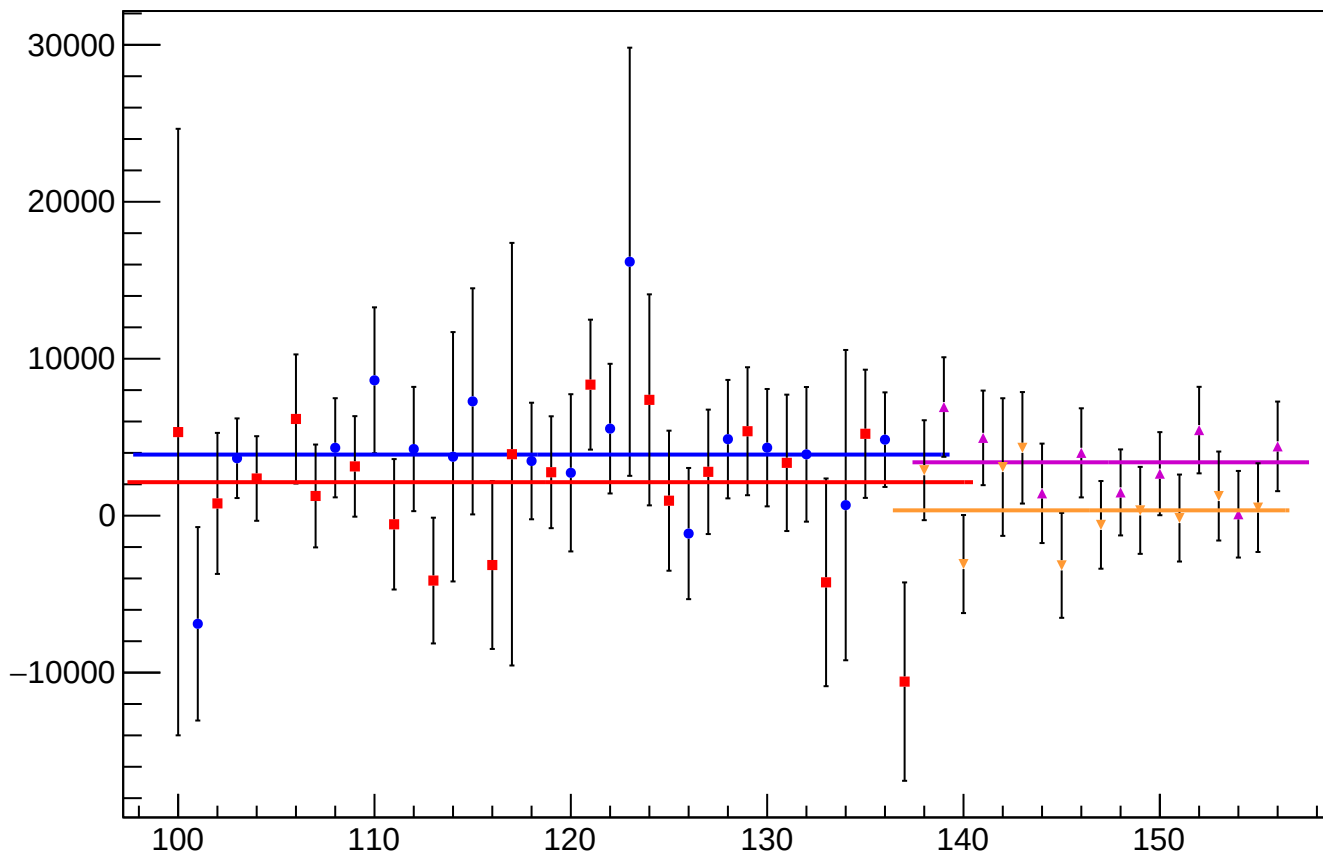
Left In: 2921.038 $\pm$ 0.762 χ^2 /NDF: 24276.7/8

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

2925.393 $\pm$ 0.392 χ^2 /NDF: 888421.3/55

2911.672 $\pm$ 0.546 χ^2 /NDF: 194907.6/28

reg_asym_atr2_mean vs Slug, Sign Corrected



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

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

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

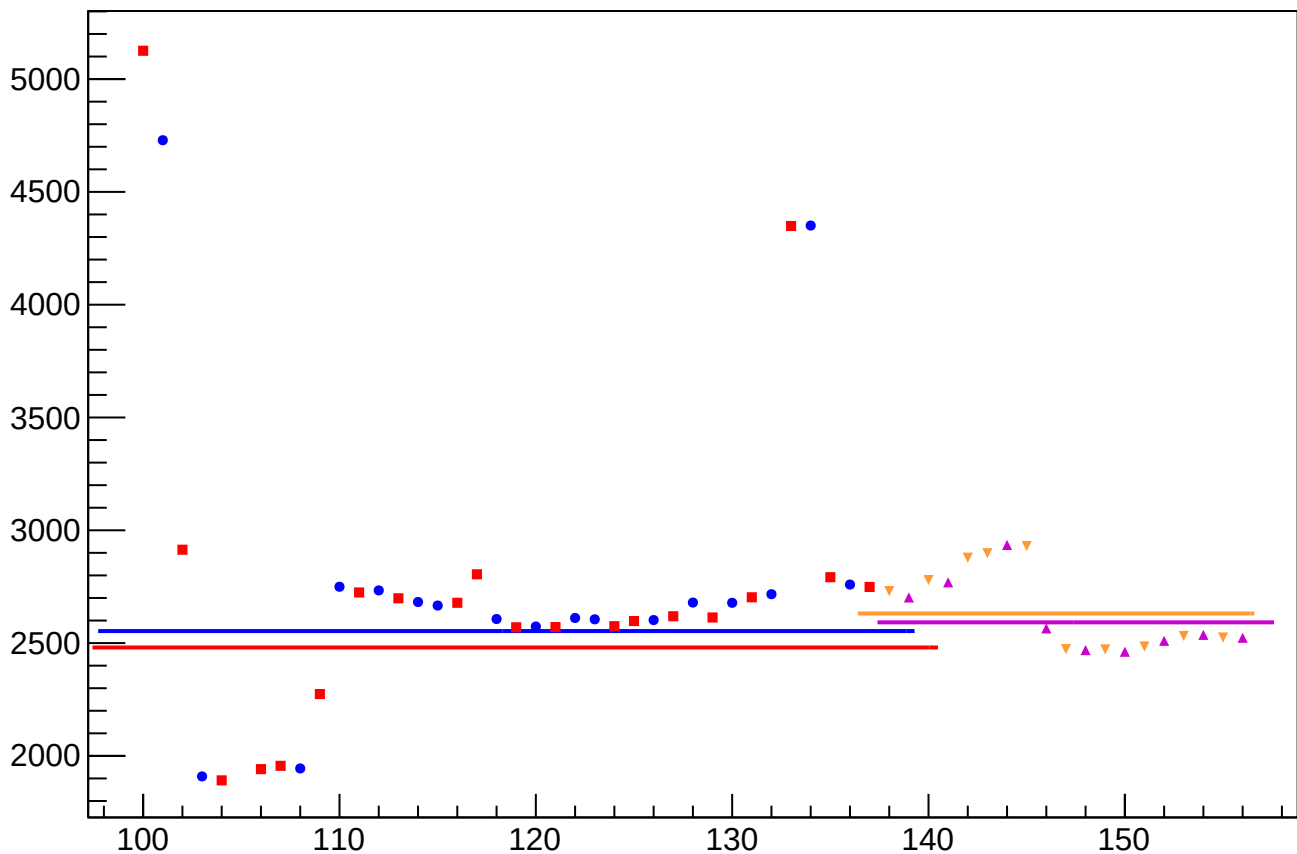
Left In: 3400.843+/-955.746 χ^2/NDF : 4.6/8

2043.301+/-700.665 χ^2/NDF : 18.4/26

2418.401+/-486.454 χ^2/NDF : 38.8/55

2767.457+/-675.904 χ^2/NDF : 19.9/28

reg_asym_atr2_rms vs Slug, Sign Corrected



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

Left Out: 2631.227 +/- 0.687 χ^2/NDF : 63956.9/9

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

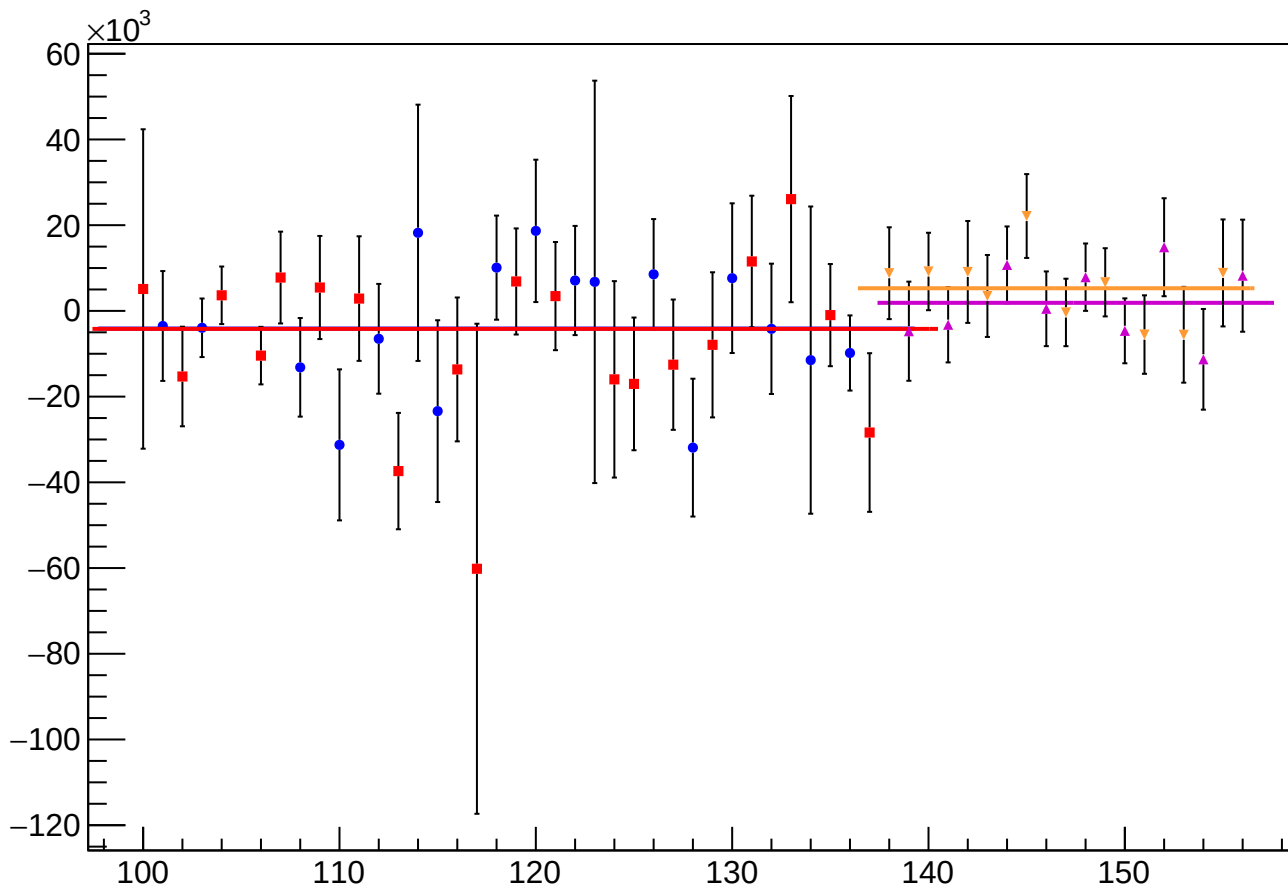
Left In: 2591.916 +/- 0.676 χ^2/NDF : 45567.7/8

2593.842 +/- 0.495 χ^2/NDF : 615361.5/26

2563.997 +/- 0.344 χ^2/NDF : 1132189.0/55

2536.224 +/- 0.478 χ^2/NDF : 509822.0/28

asym_atr2_correction_mean vs Slug, Sign Corrected



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

Left Out: 5282.480 $\pm$ 3046.959 χ^2 /NDF: 6.4/9

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

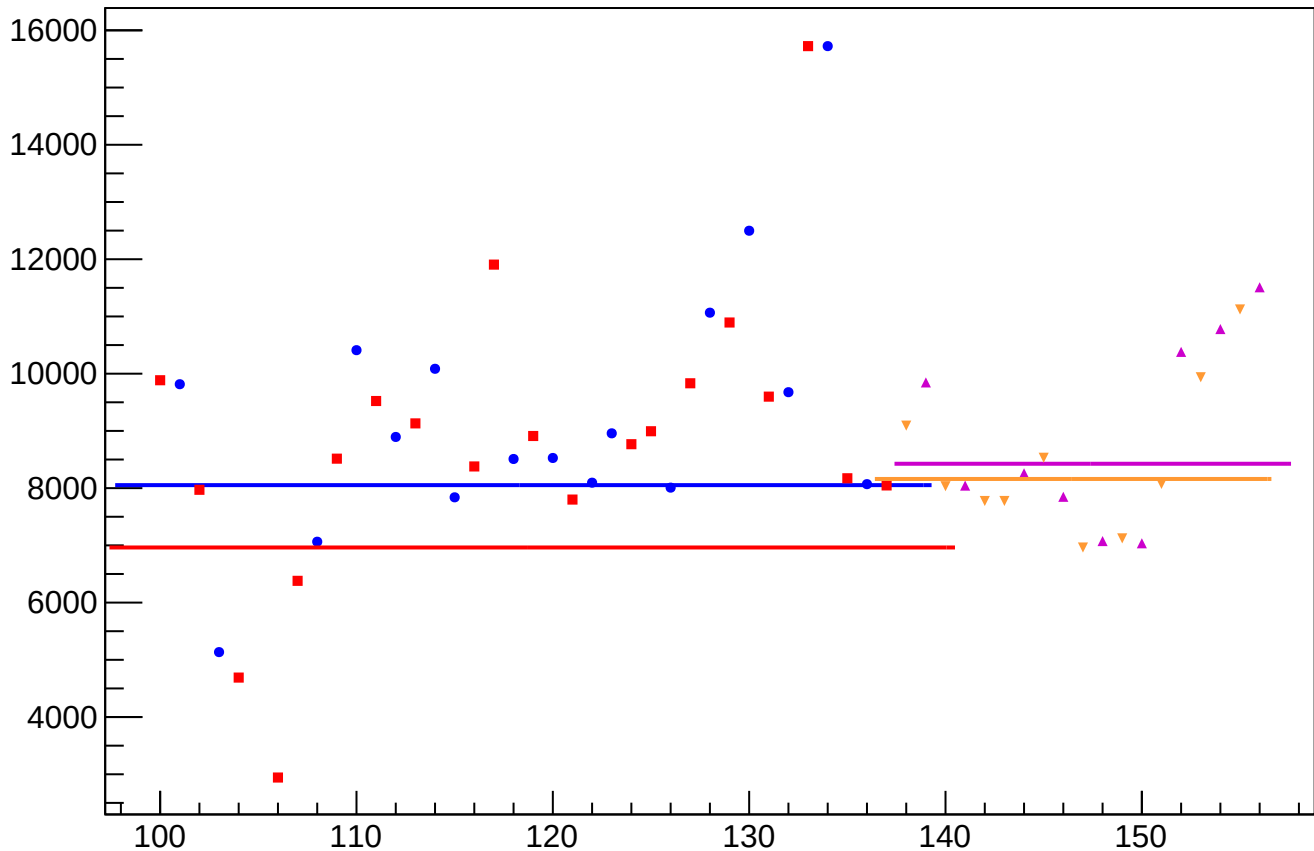
Left In: 1881.853 $\pm$ 3156.636 χ^2 /NDF: 5.8/8

847.921 $\pm$ 2215.455 χ^2 /NDF: 24.2/26

-378.245 $\pm$ 1526.971 χ^2 /NDF: 52.1/55

-1487.838 $\pm$ 2107.511 χ^2 /NDF: 27.3/28

asym_atr2_correction_rms vs Slug, Sign Corrected



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

Left Out: 8160.199 $\pm$ 2.155 χ^2 /NDF: 267477.1/9

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

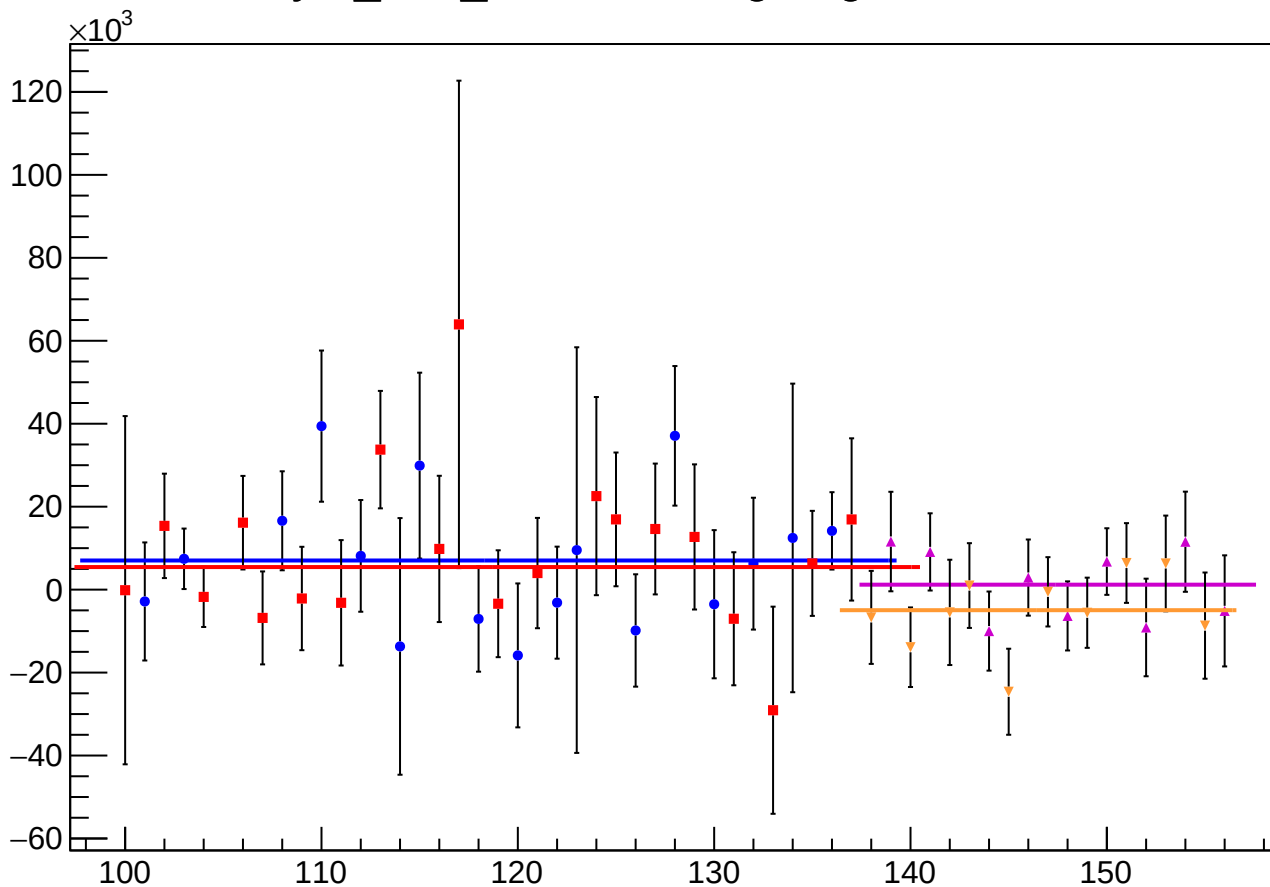
Left In: 8426.036 $\pm$ 2.232 χ^2 /NDF: 419818.3/8

8109.463 $\pm$ 1.567 χ^2 /NDF: 1059377.8/26

7849.996 $\pm$ 1.080 χ^2 /NDF: 3561108.2/55

7615.198 $\pm$ 1.490 χ^2 /NDF: 2449473.3/28

asym_atr2_mean vs Slug, Sign Corrected



Right In: 7025.400+/-3409.490 χ^2/NDF : 15.0/16

Left Out: -4957.613+/-3217.204 χ^2/NDF : 7.5/9

Right Out: 5441.890+/-3163.600 χ^2/NDF : 14.3/19

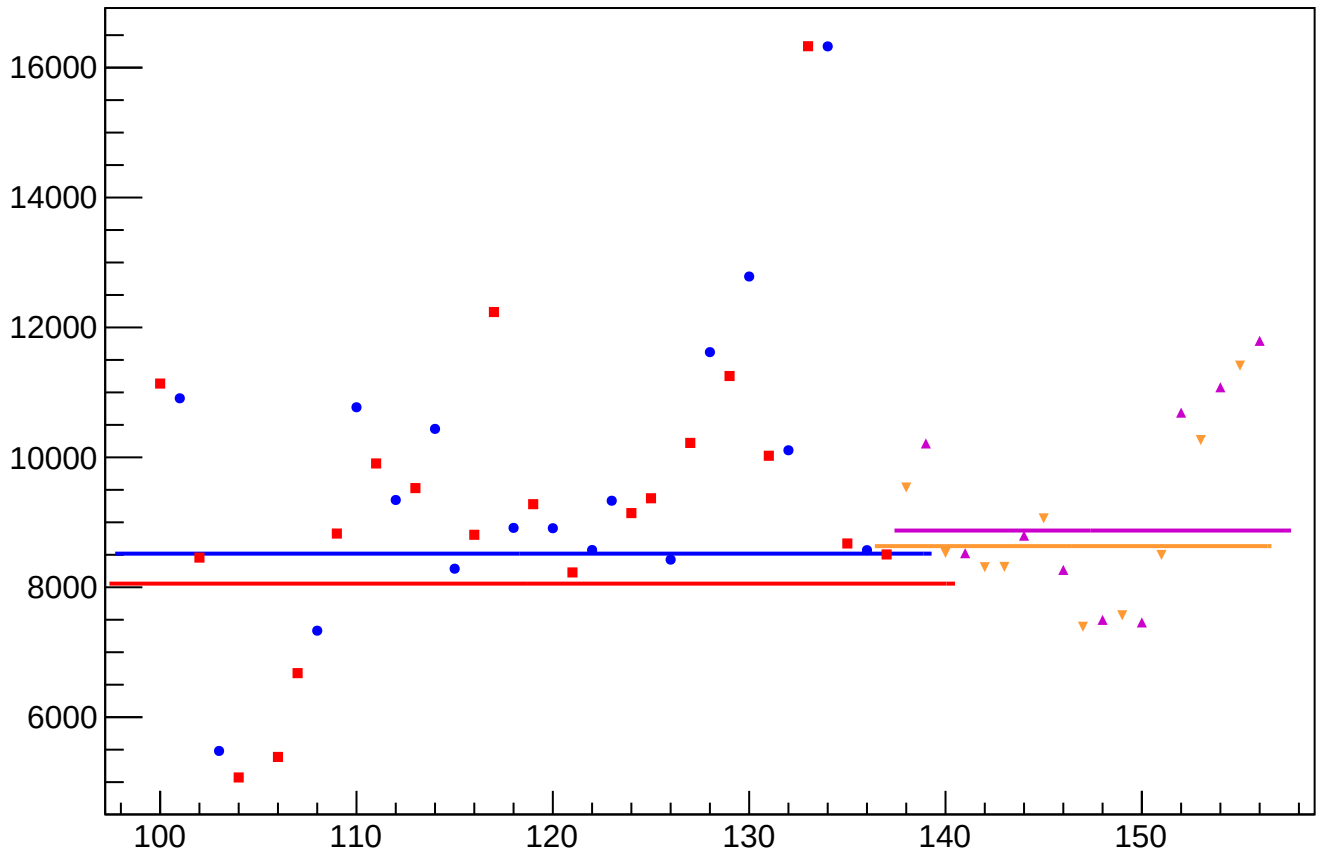
Left In: 1194.122+/-3315.943 χ^2/NDF : 5.9/8

686.477+/-2339.932 χ^2/NDF : 29.1/26

2082.219+/-1636.265 χ^2/NDF : 50.9/55

3417.821+/-2288.965 χ^2/NDF : 21.1/28

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

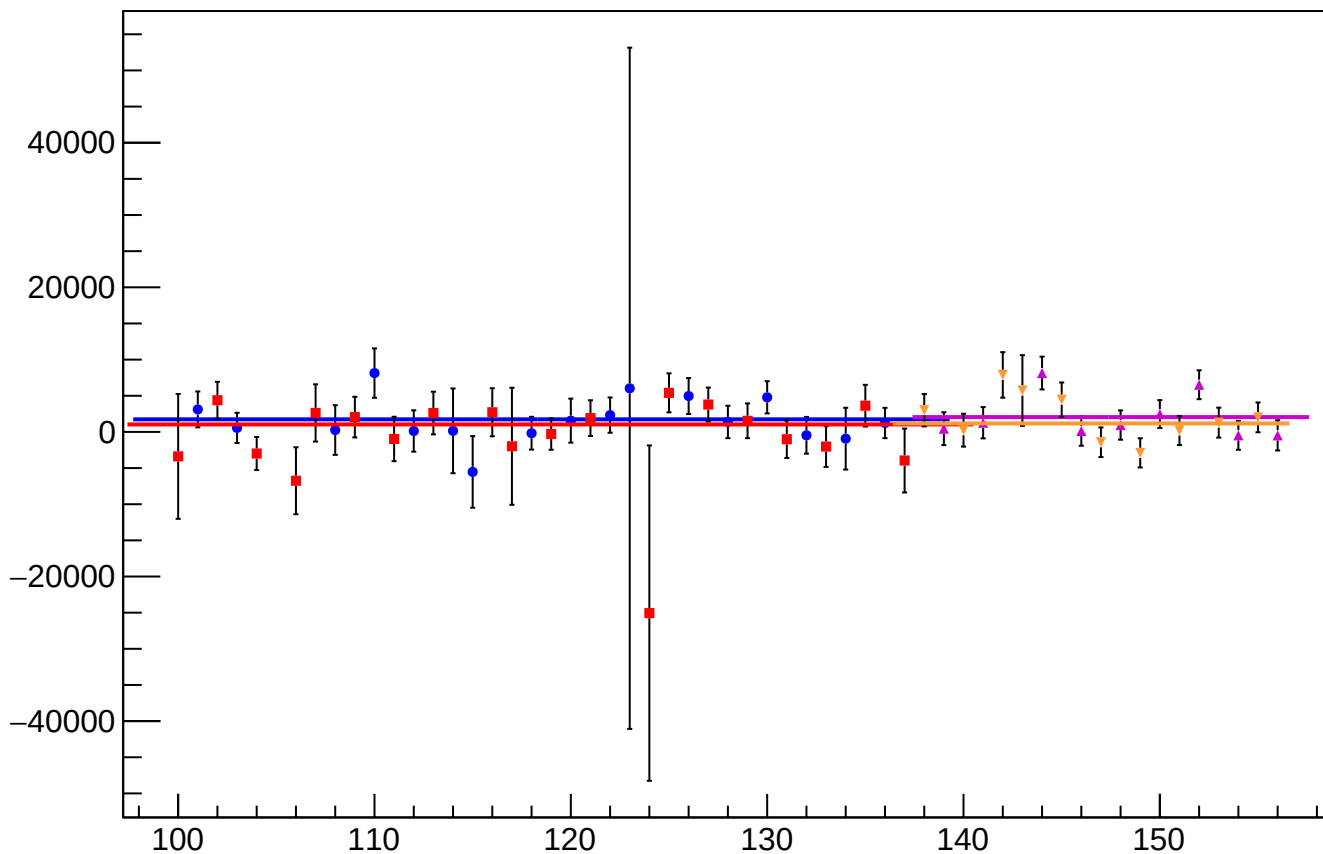
Left In: 8873.313+/-2.345 χ^2/NDF : 362711.7/8

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

8510.799+/-1.157 χ^2/NDF : 2386682.0/55

8445.517+/-1.619 χ^2/NDF : 1388580.1/28

reg_asym_atl_avg_mean vs Slug, Sign Corrected



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

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

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

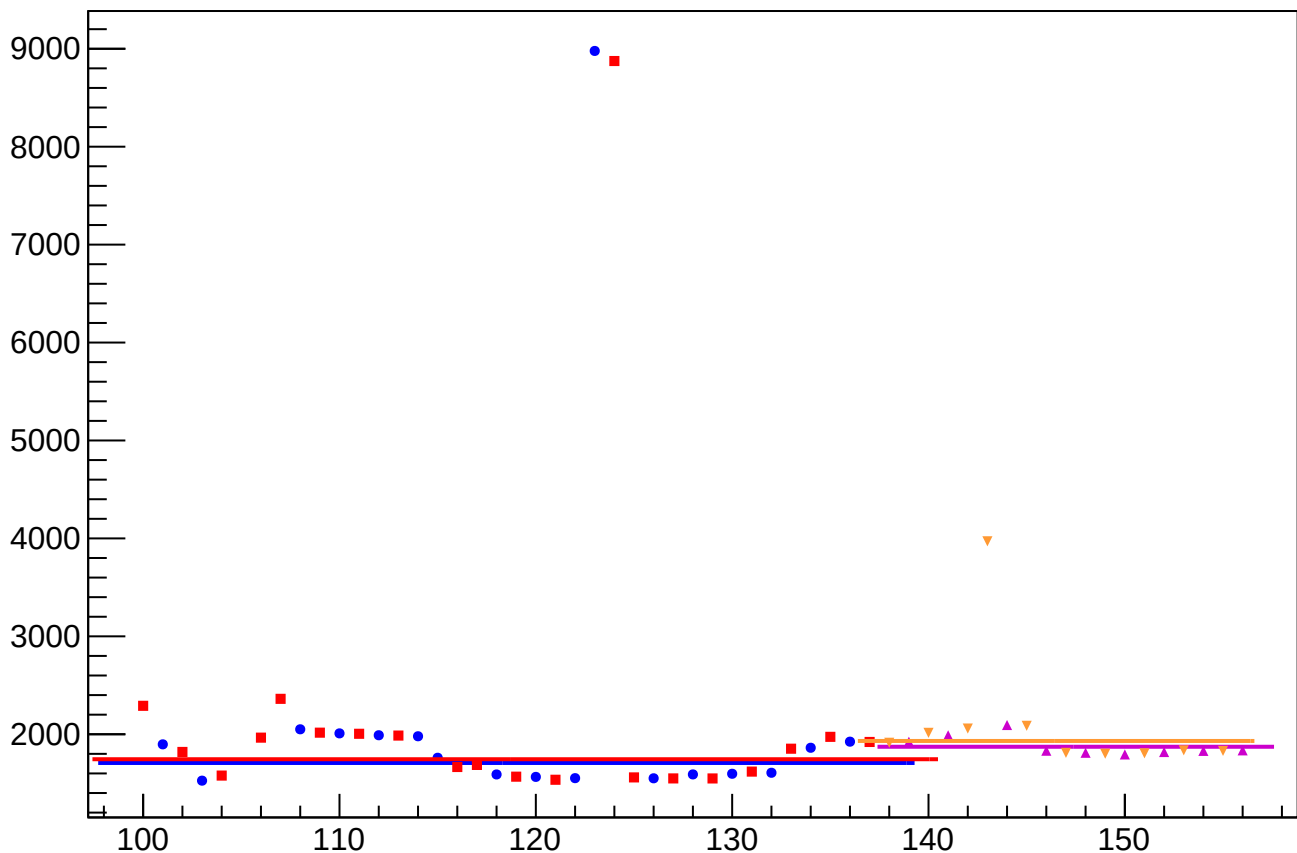
Left In: 2050.285+/-692.290 χ^2/NDF : 17.2/8

1478.024+/-491.754 χ^2/NDF : 27.0/26

1502.009+/-343.844 χ^2/NDF : 64.3/55

1524.954+/-480.963 χ^2/NDF : 37.3/28

reg_asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 1931.541 $\pm$ 0.512 χ^2 /NDF: 394744.6/9

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

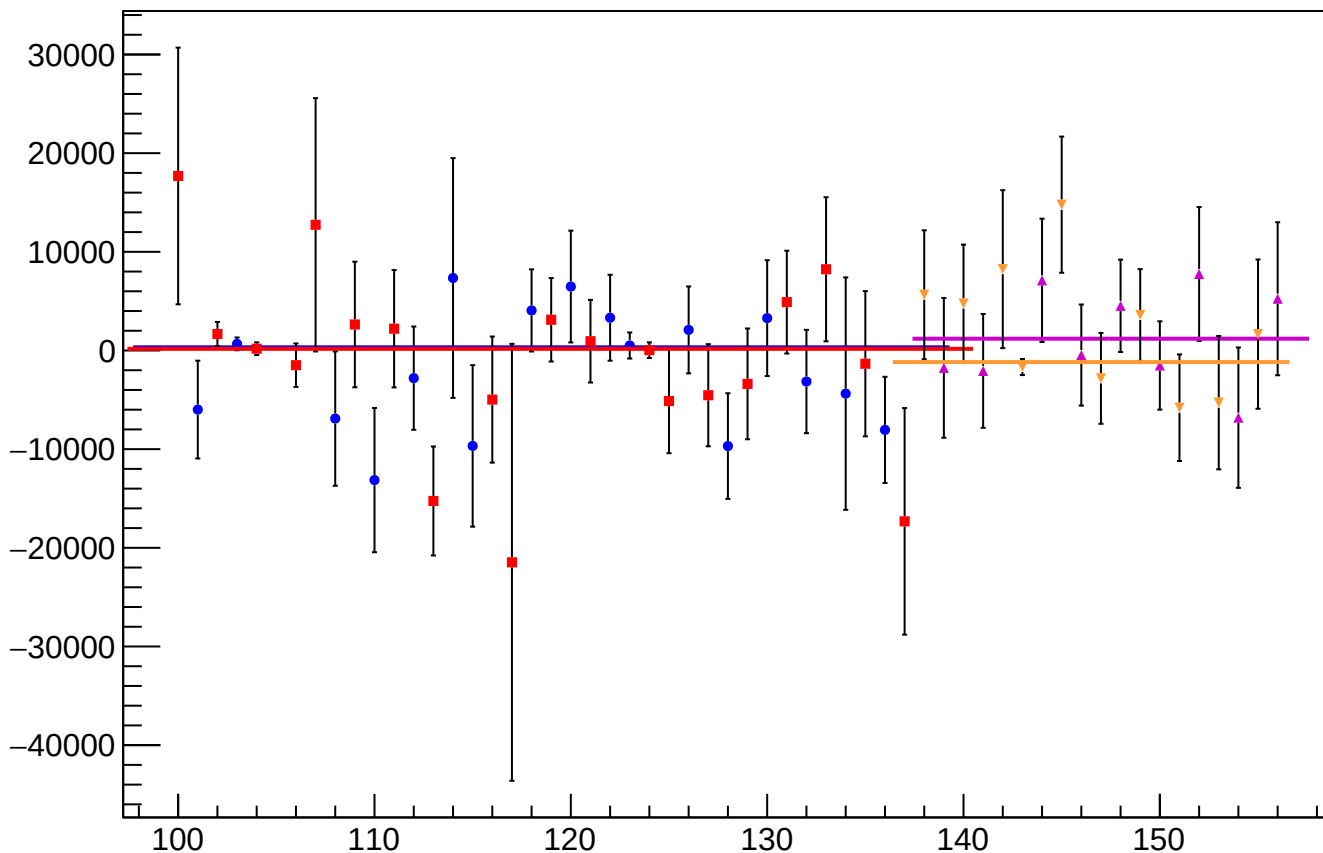
Left In: 1872.405 $\pm$ 0.490 χ^2 /NDF: 34949.3/8

1810.652 $\pm$ 0.348 χ^2 /NDF: 696065.8/26

1808.387 $\pm$ 0.243 χ^2 /NDF: 1166186.0/55

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

asym_atl_avg_correction_mean vs Slug, Sign Corrected



Right In: 320.899+/-540.384 χ^2/NDF : 18.0/16

Left Out: -1175.761+/-753.395 χ^2/NDF : 11.6/9

Right Out: 168.343+/-433.469 χ^2/NDF : 21.7/19

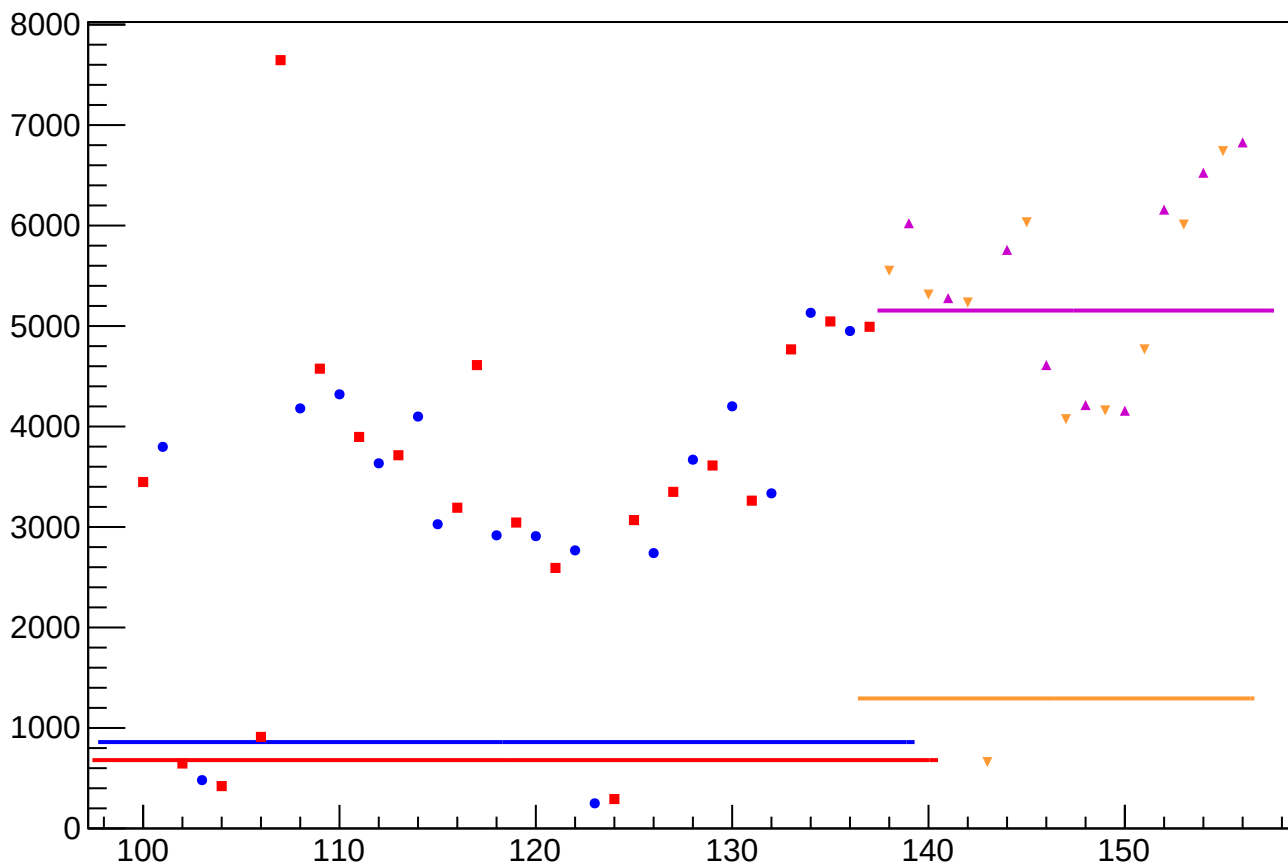
Left In: 1193.899+/-1934.024 χ^2/NDF : 4.8/8

-187.520+/-439.109 χ^2/NDF : 32.2/26

22.514+/-304.633 χ^2/NDF : 59.5/55

217.396+/-422.975 χ^2/NDF : 26.8/28

asym_atl_avg_correction_rms vs Slug, Sign Corrected



Right In: 859.557 $\pm$ 0.382 χ^2 /NDF: 8143264.5/16

Left Out: 1293.963 $\pm$ 0.533 χ^2 /NDF: 8718140.0/9

Right Out: 680.110 $\pm$ 0.307 χ^2 /NDF: 8447884.2/19

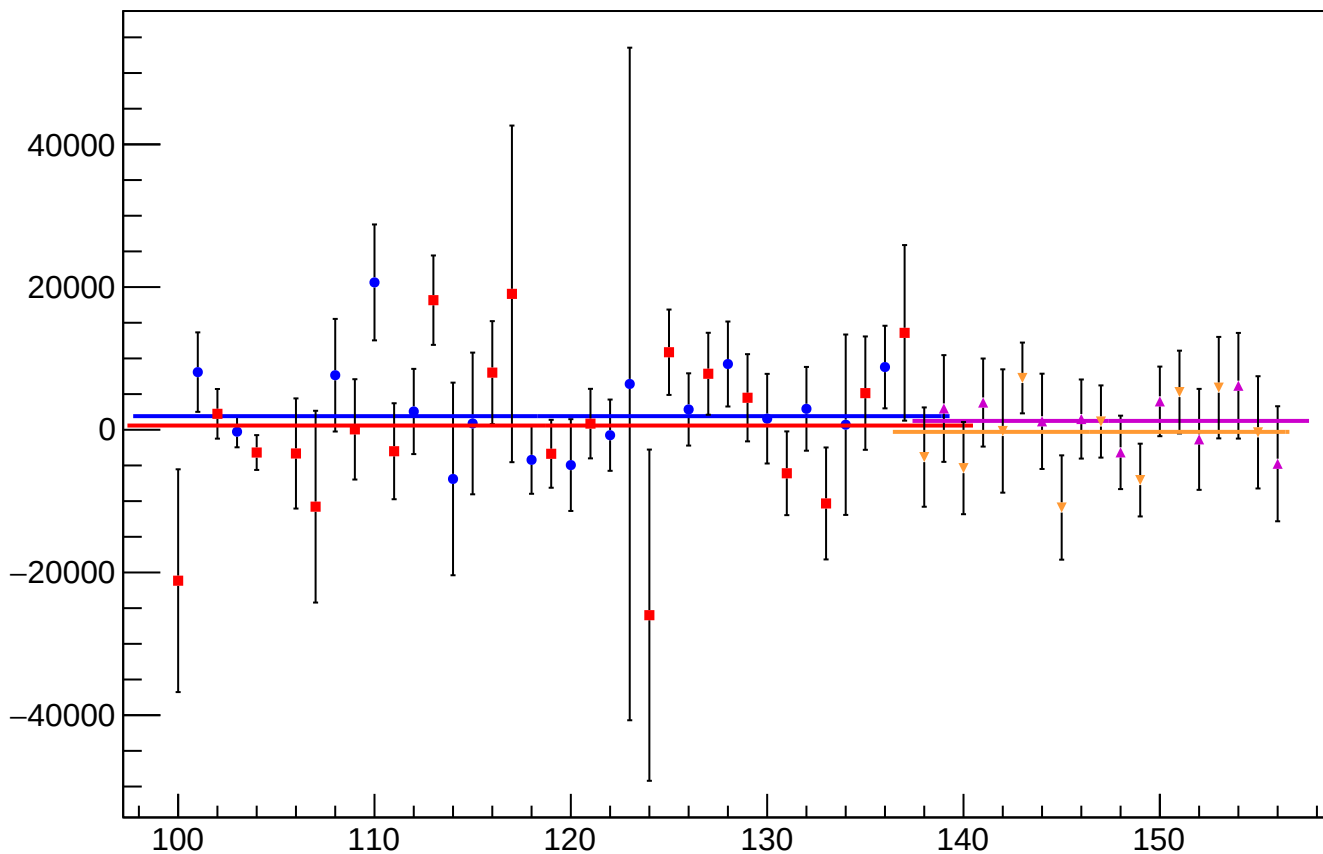
Left In: 5154.145 $\pm$ 1.368 χ^2 /NDF: 463394.3/8

1007.126 $\pm$ 0.310 χ^2 /NDF: 17300456.5/26

948.501 $\pm$ 0.215 χ^2 /NDF: 36471519.2/55

894.106 $\pm$ 0.299 χ^2 /NDF: 19102337.0/28

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

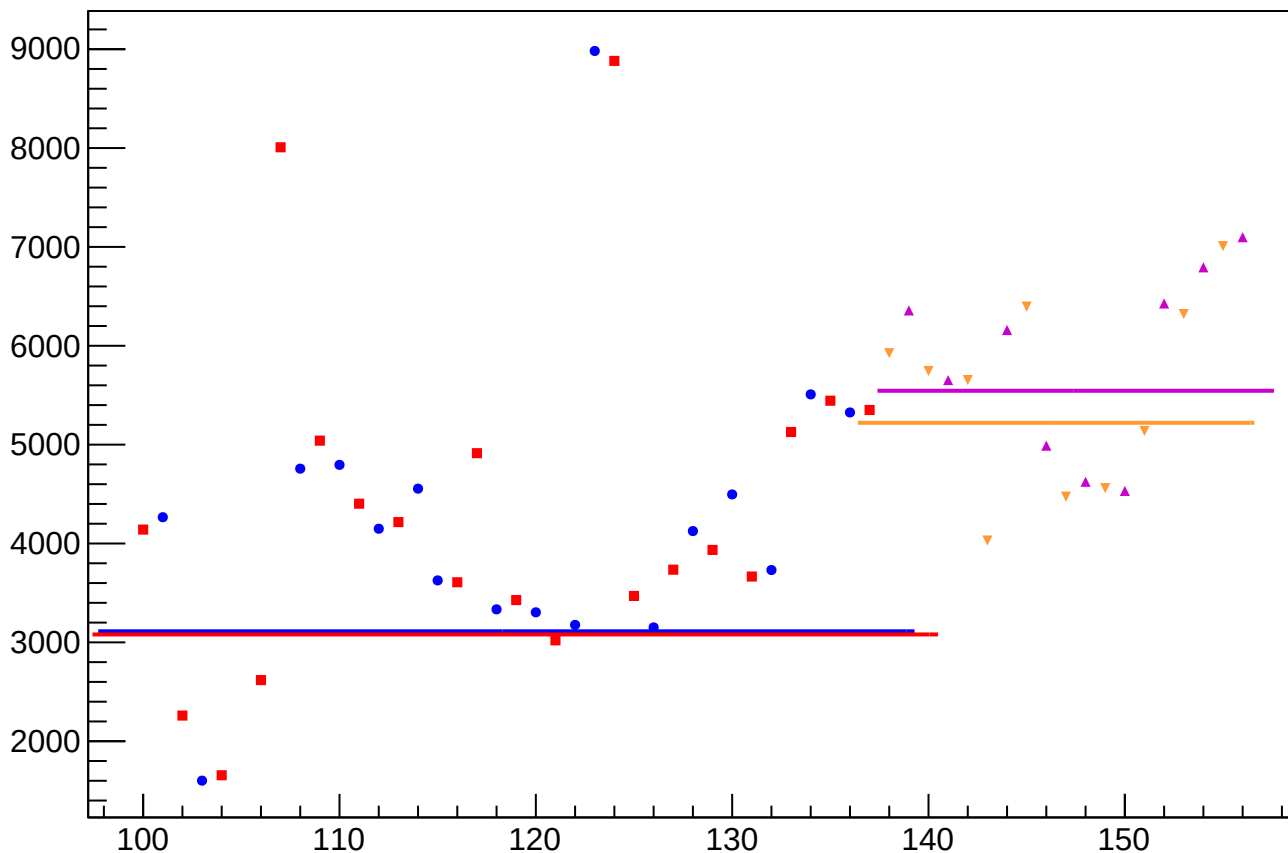
Left In: 1243.564+/-2073.939 χ^2/NDF : 2.4/8

1228.619+/-1089.124 χ^2/NDF : 24.3/26

1001.959+/-771.020 χ^2/NDF : 53.9/55

774.245+/-1091.655 χ^2/NDF : 29.5/28

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3111.825 $\pm$ 0.926 χ^2 /NDF: 1879558.6/16

Left Out: 5221.065 $\pm$ 1.385 χ^2 /NDF: 434291.6/9

Right Out: 3080.063 $\pm$ 0.895 χ^2 /NDF: 2017746.3/19

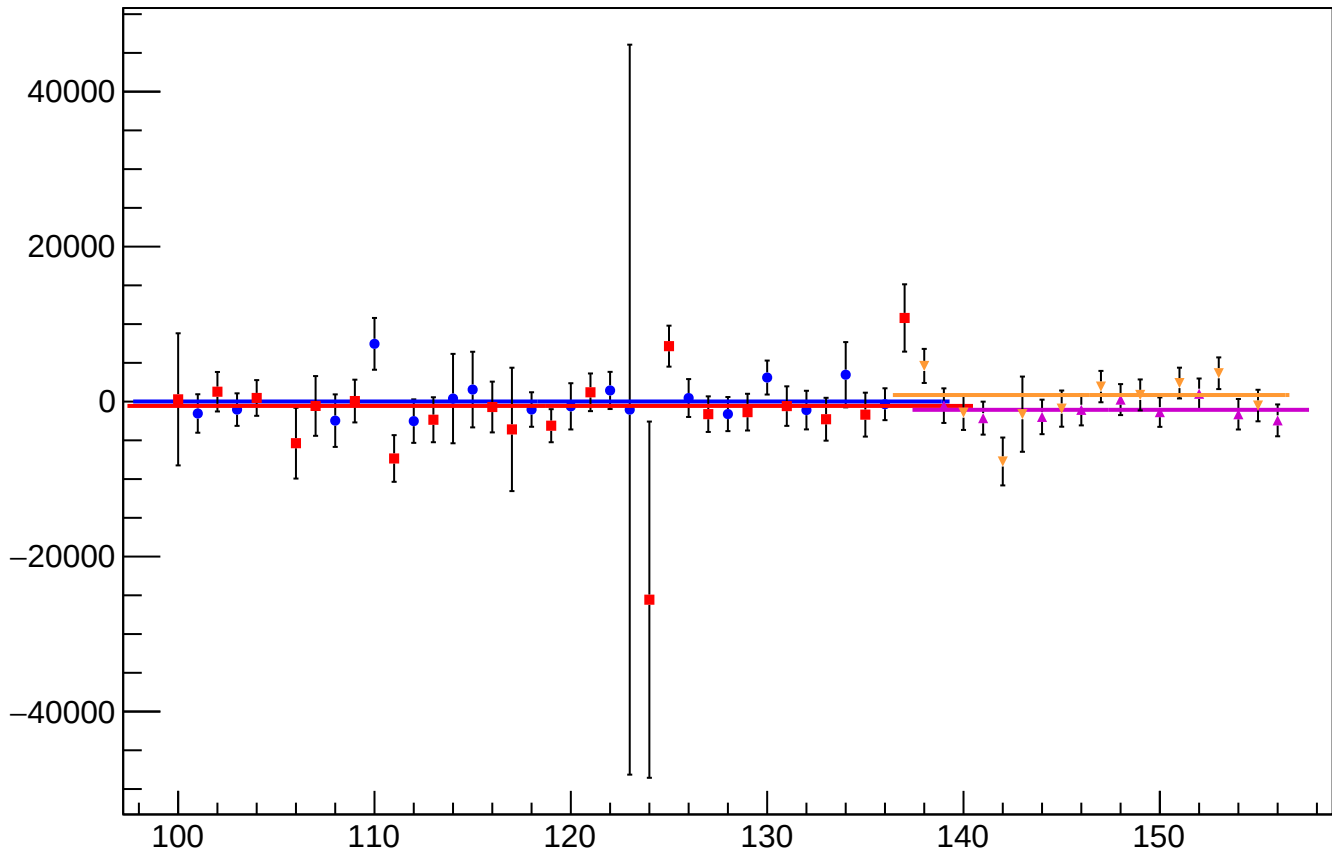
Left In: 5545.030 $\pm$ 1.466 χ^2 /NDF: 373810.5/8

3763.611 $\pm$ 0.770 χ^2 /NDF: 3915539.0/26

3756.124 $\pm$ 0.542 χ^2 /NDF: 8366118.0/55

3748.758 $\pm$ 0.764 χ^2 /NDF: 4450391.5/28

reg_asym_atl_dd_mean vs Slug, Sign Corrected



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

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

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

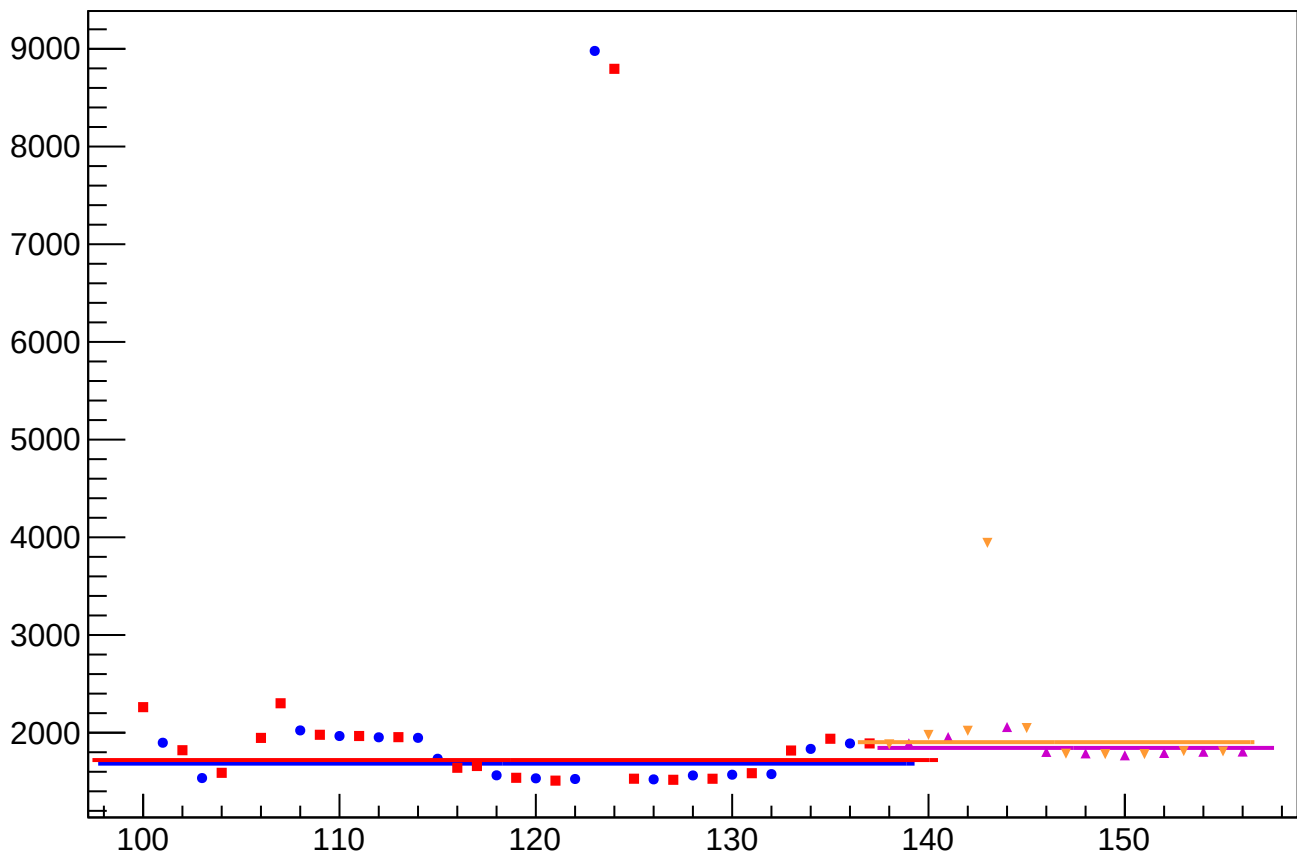
Left In: -1062.274 ± 681.854 $\chi^2/\text{NDF}: 2.6/8$

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

-214.687 ± 338.841 $\chi^2/\text{NDF}: 60.4/55$

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

reg_asym_atl_dd_rms vs Slug, Sign Corrected



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

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

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

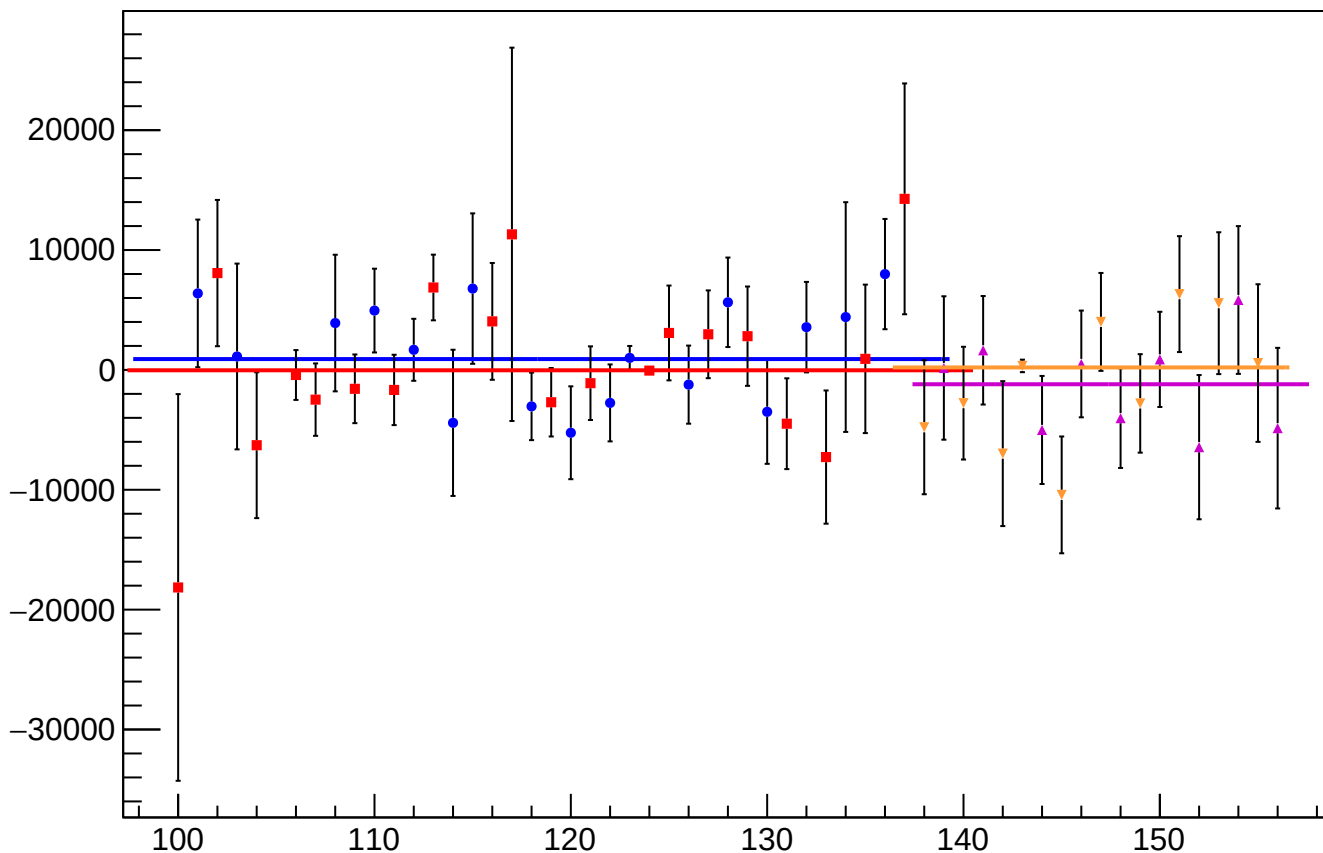
Left In: 1844.278+/-0.482 χ^2/NDF : 33208.2/8

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

1782.235+/-0.239 χ^2/NDF : 1158674.5/55

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

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

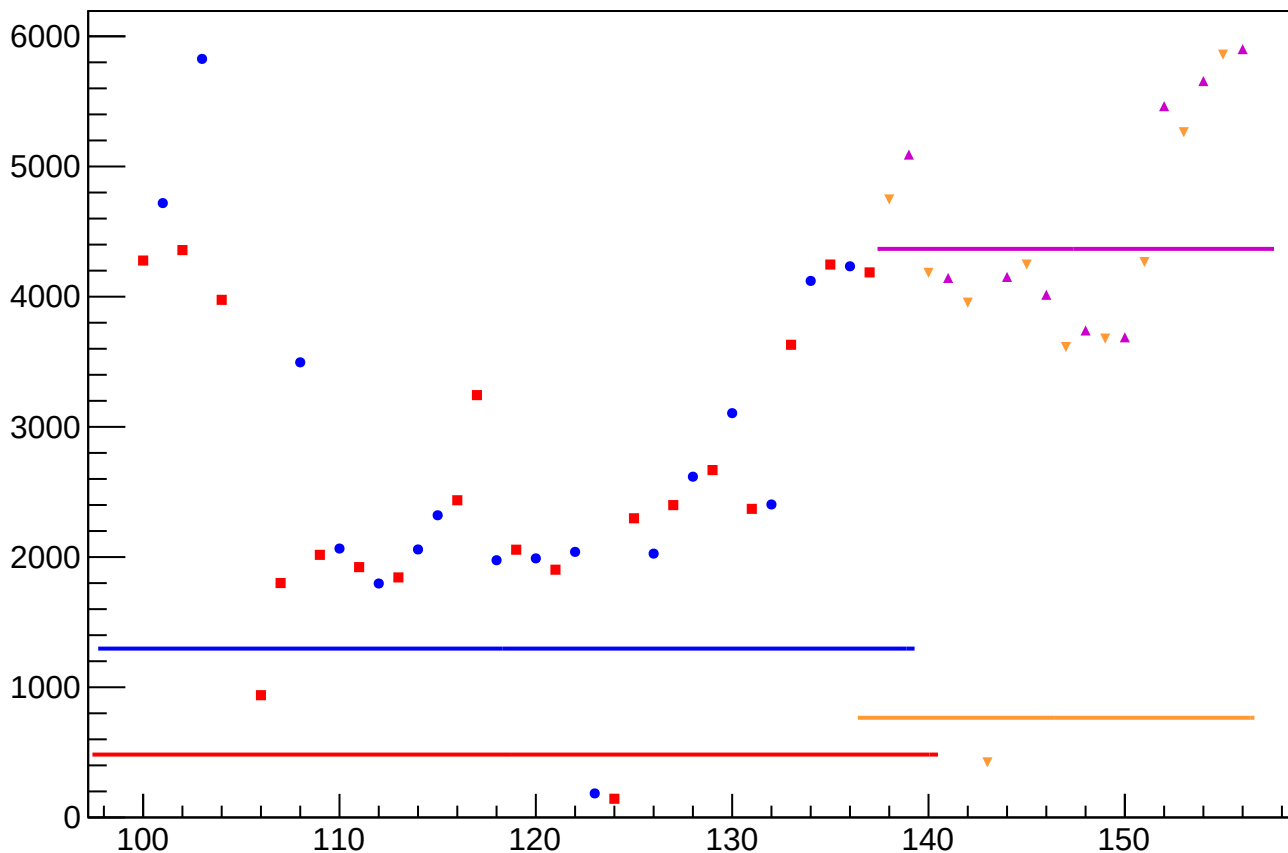
Left In: -1196.306+/-1635.239 χ^2/NDF : 4.4/8

437.905+/-407.150 χ^2/NDF : 27.9/26

136.282+/-264.915 χ^2/NDF : 54.8/55

-85.161+/-348.862 χ^2/NDF : 25.9/28

asym_atl_dd_correction_rms vs Slug, Sign Corrected



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

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

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

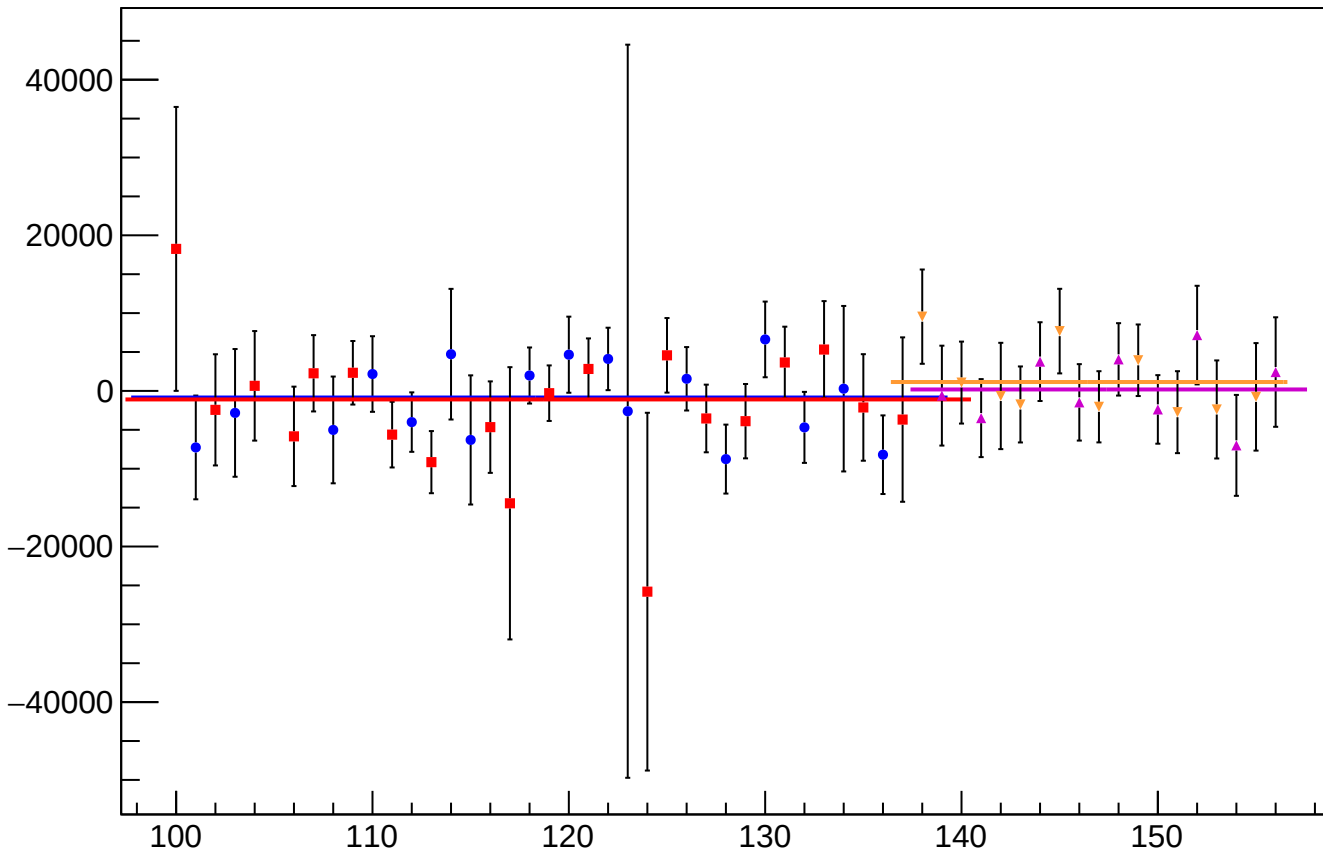
Left In: 4367.104+/-1.156 χ^2/NDF : 414043.8/8

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

779.538+/-0.187 χ^2/NDF : 39103216.5/55

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

asym_atl_dd_mean vs Slug, Sign Corrected



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

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

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

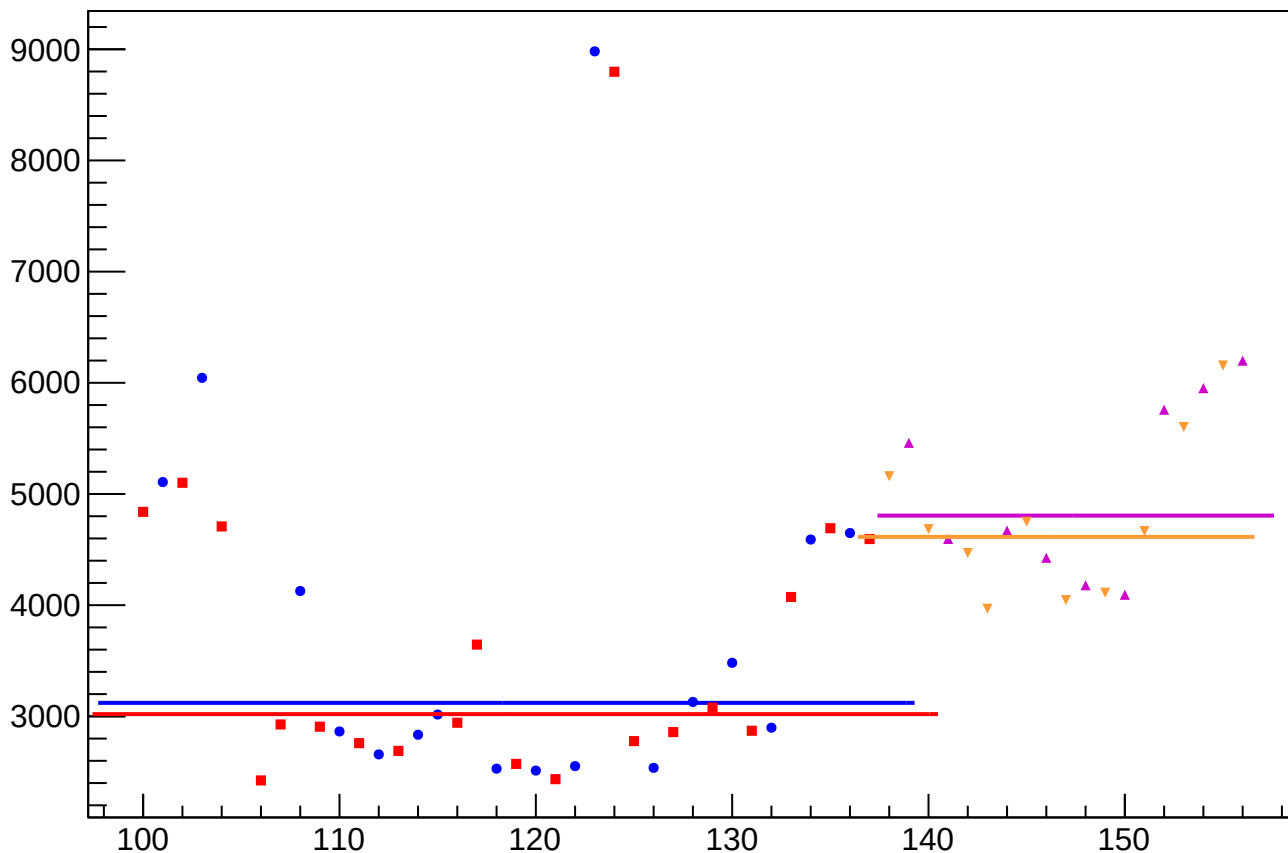
Left In: 186.356+/-1792.941 χ^2 /NDF:4.7/8

-153.189+/-1017.181 χ^2/NDF : 21.9/26

-436.021+/-709.565 χ^2/NDF : 42.7/55

-704.108+/-990.312 χ^2/NDF : 20.7/28

asym_atl_dd_rms vs Slug, Sign Corrected



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

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

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

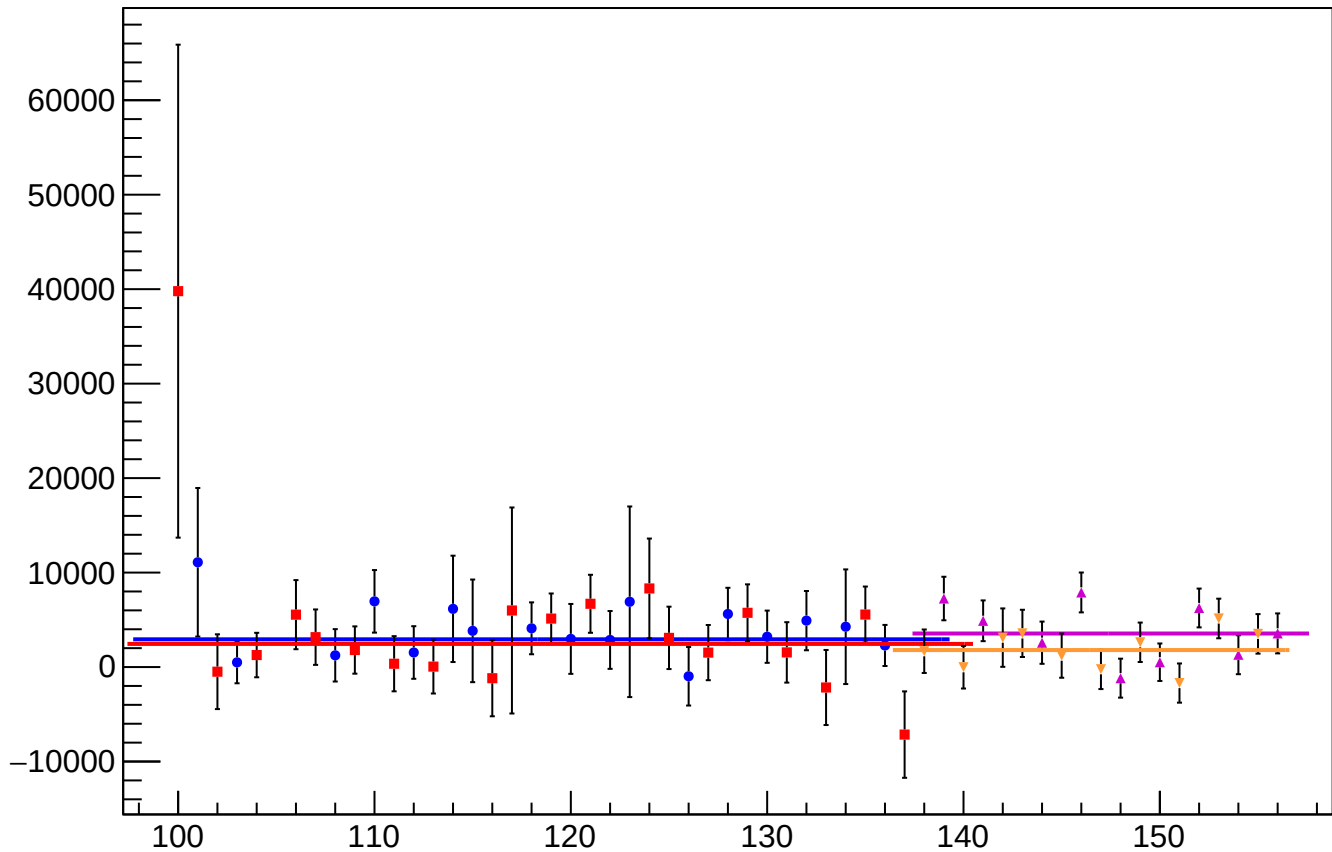
Left In: 4805.658 ± 1.268 χ^2/NDF : 312122.9/8

3642.837 ± 0.719 χ^2/NDF : 2181894.1/26

3597.569 ± 0.499 χ^2/NDF : 4685179.8/55

3555.401 ± 0.694 χ^2/NDF : 2495634.6/28

reg_asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: 1798.784 $\pm$ 710.950 χ^2 /NDF: 8.5/9

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

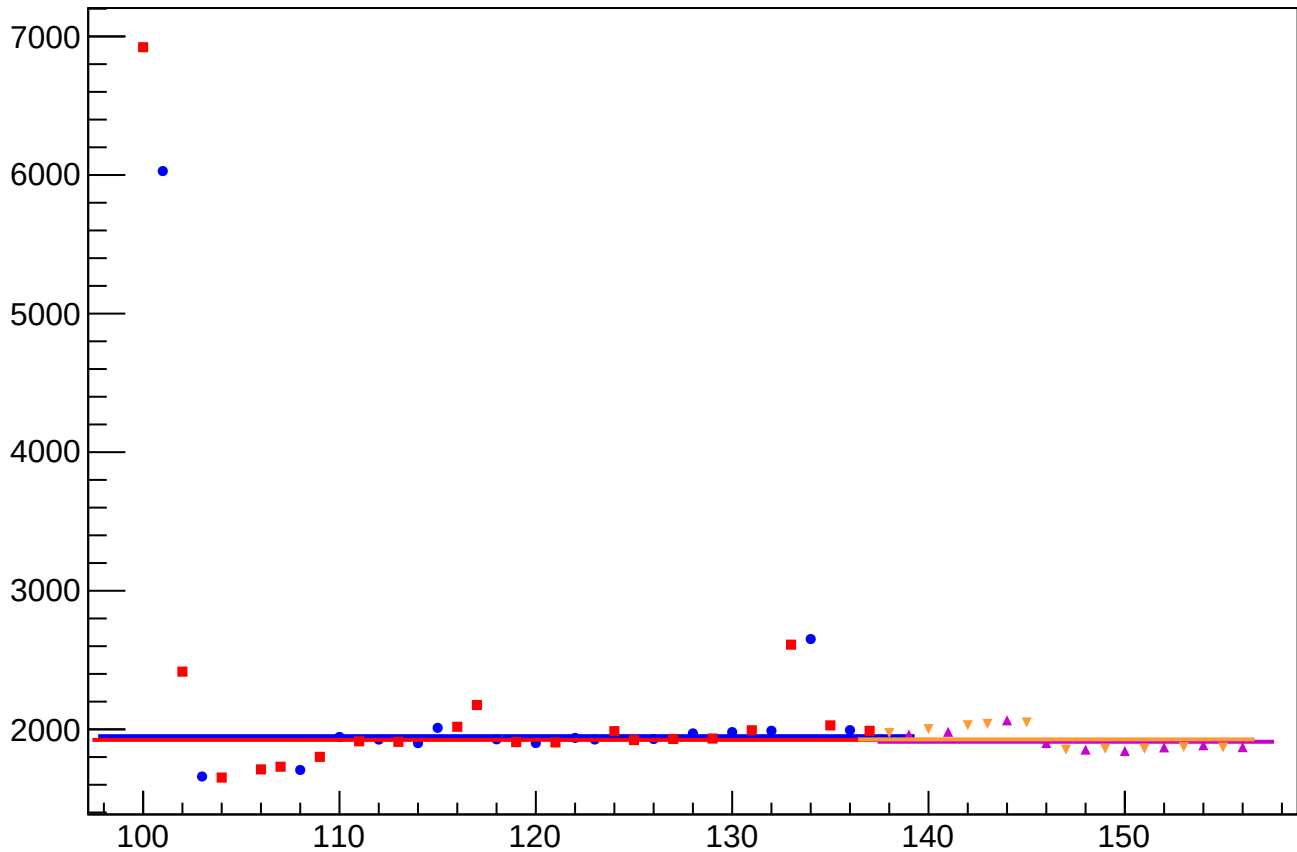
Left In: 3550.527 $\pm$ 704.777 χ^2 /NDF: 17.9/8

2318.120 $\pm$ 524.013 χ^2 /NDF: 17.9/26

2681.537 $\pm$ 365.452 χ^2 /NDF: 56.2/55

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

reg_asym_atr_avg_rms vs Slug, Sign Corrected



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

Left Out: 1927.463+/-0.503 χ^2/NDF : 24251.5/9

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

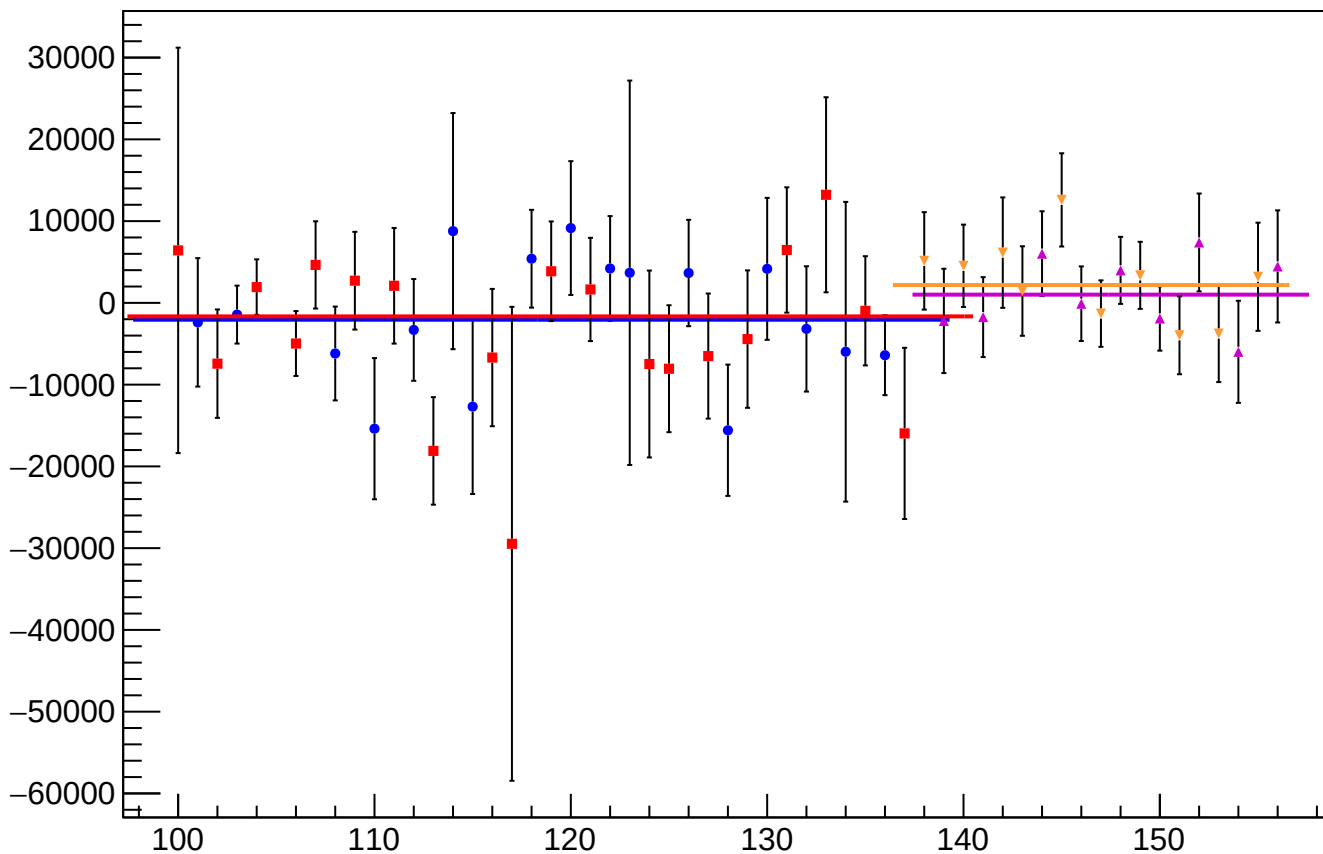
Left In: 1910.406+/-0.498 χ^2/NDF : 18348.1/8

1938.037+/-0.371 χ^2/NDF : 642552.4/26

1927.146+/-0.258 χ^2/NDF : 881402.0/55

1916.855+/-0.360 χ^2/NDF : 237169.2/28

asym_atr_avg_correction_mean vs Slug, Sign Corrected



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

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

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

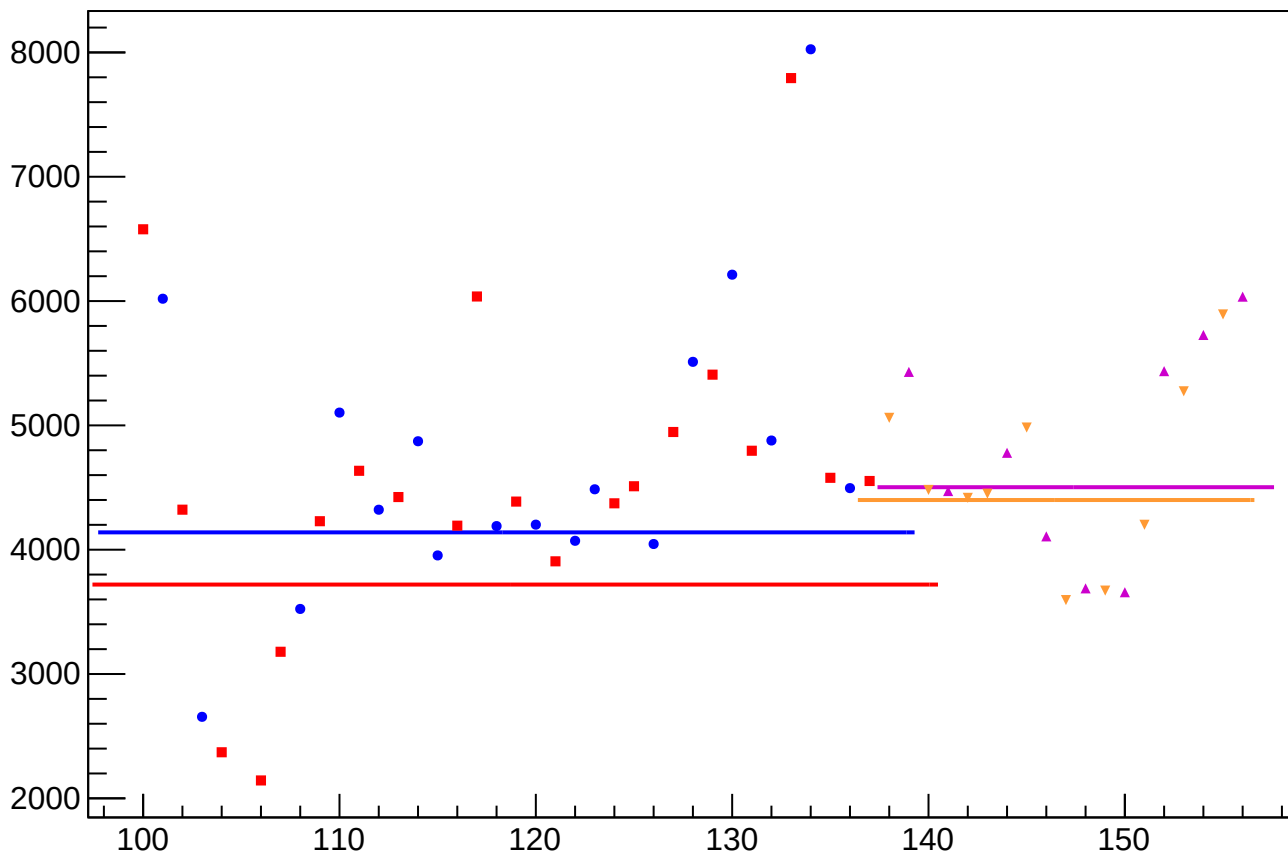
Left In: 1006.865 $\pm$ 1689.287 χ^2/NDF : 5.3/8

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

-224.458 $\pm$ 805.518 χ^2/NDF : 51.3/55

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

asym_atr_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 4399.576+/-1.164 χ^2/NDF : 336734.1/9

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

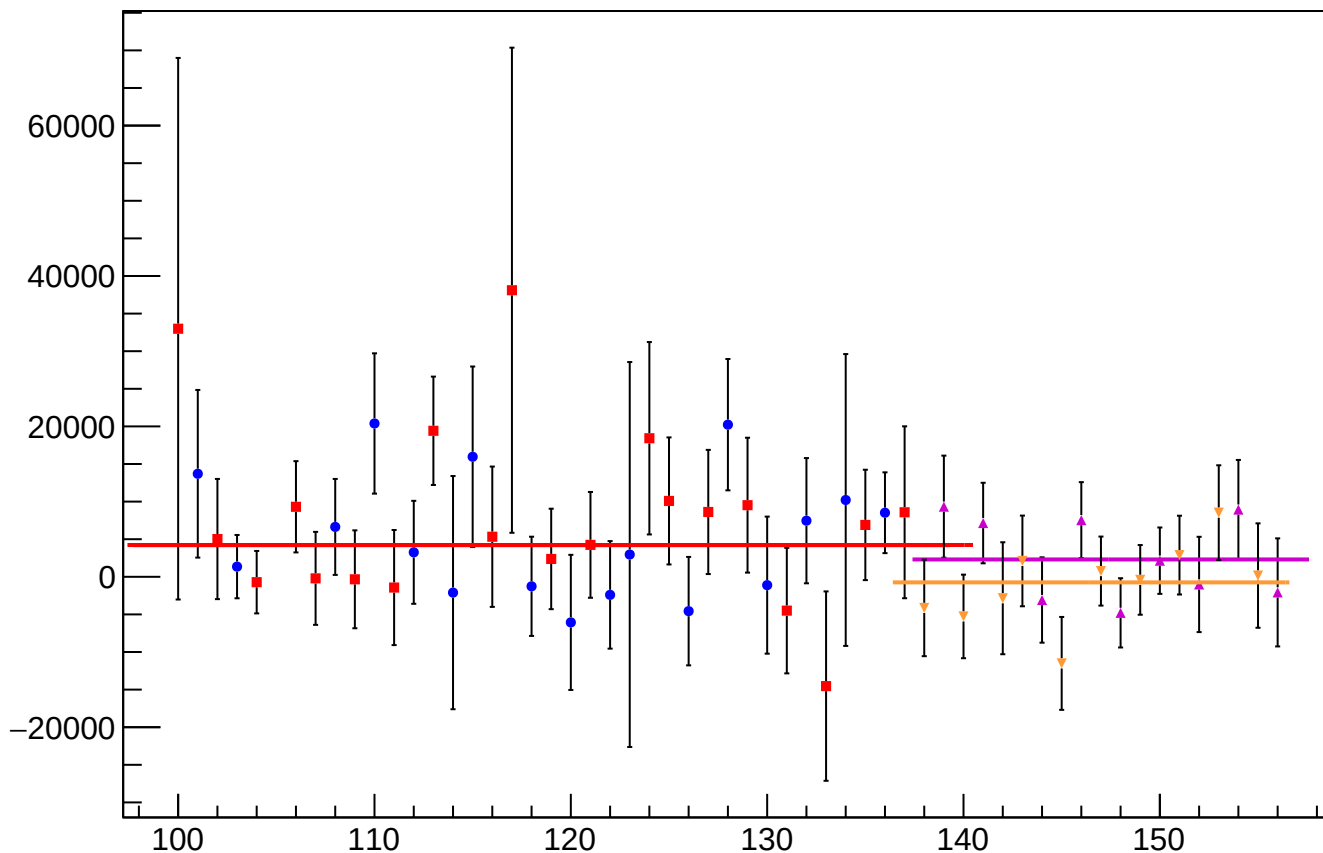
Left In: 4502.719+/-1.195 χ^2/NDF : 459492.8/8

4270.652+/-0.827 χ^2/NDF : 1175039.3/26

4159.165+/-0.570 χ^2/NDF : 3201624.7/55

4058.465+/-0.786 χ^2/NDF : 1991981.0/28

asym_atr_avg_mean vs Slug, Sign Corrected



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

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

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

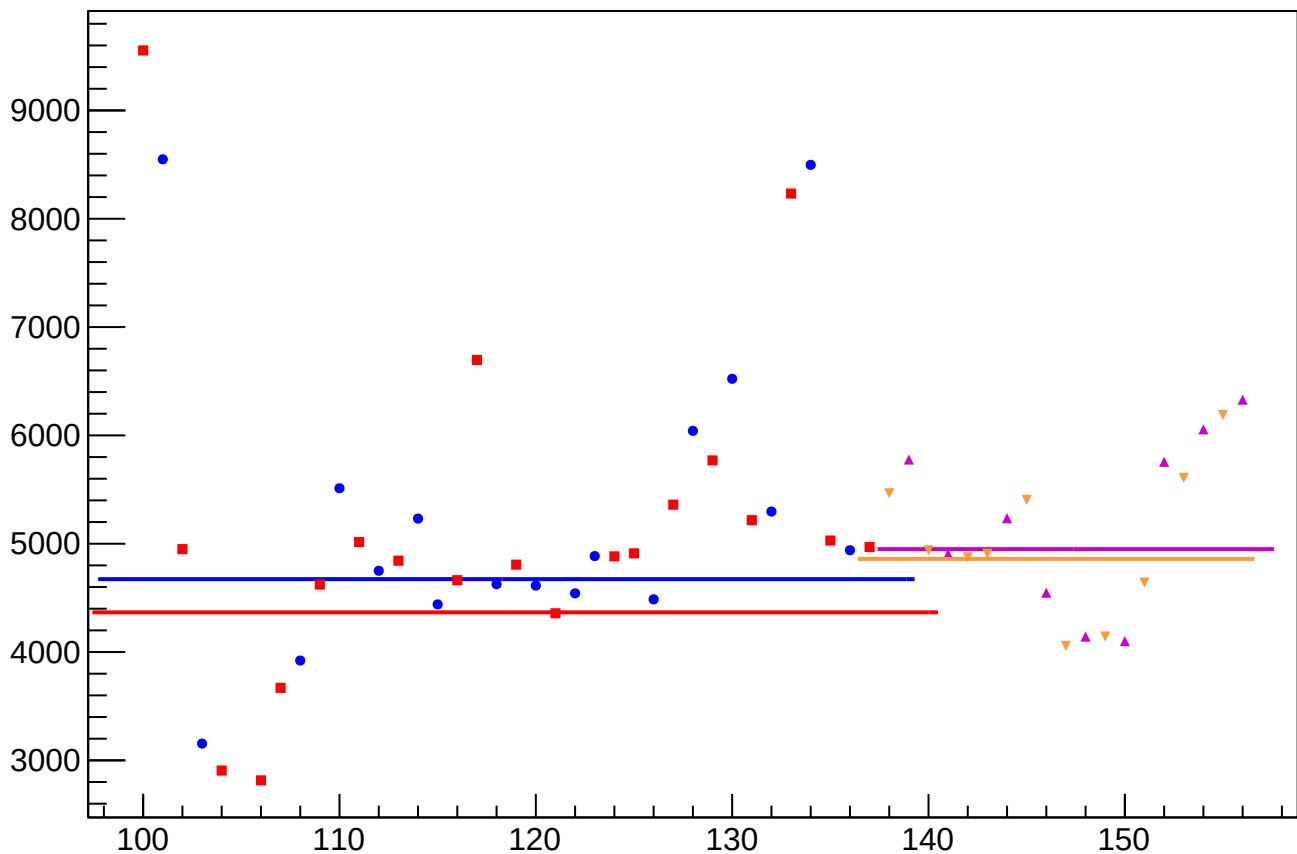
Left In: 2307.887+/-1848.794 χ^2/NDF : 7.9/8

1654.499+/-1301.374 χ^2/NDF : 25.1/26

2522.606+/-905.385 χ^2/NDF : 50.3/55

3336.941+/-1260.424 χ^2/NDF : 24.4/28

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4673.046+/-1.323 χ^2/NDF : 777321.1/16

Left Out: 4859.687+/-1.281 χ^2/NDF : 248076.8/9

Right Out: 4366.422+/-1.211 χ^2/NDF : 842654.3/19

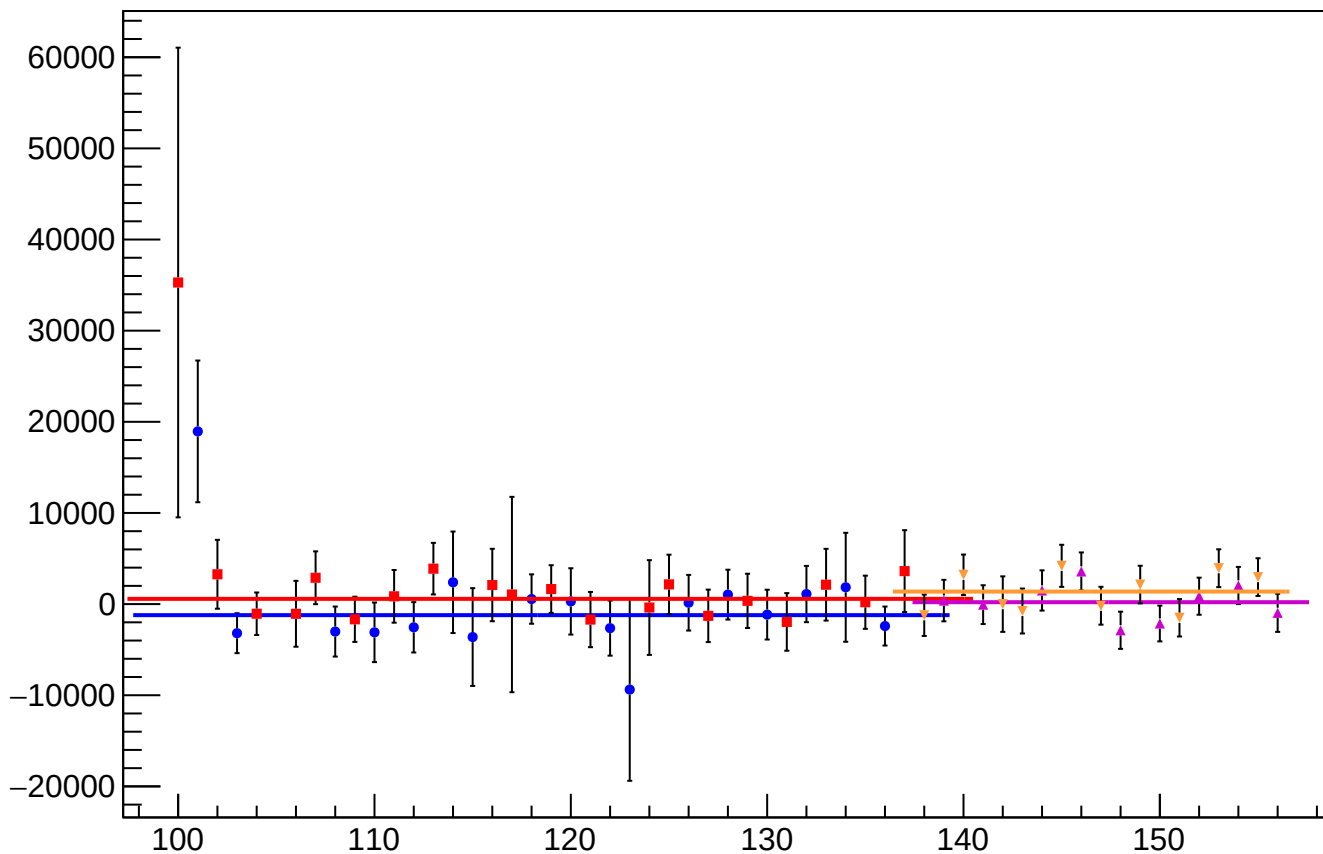
Left In: 4950.086+/-1.307 χ^2/NDF : 345394.7/8

4769.421+/-0.920 χ^2/NDF : 1035671.3/26

4700.386+/-0.639 χ^2/NDF : 2341852.6/55

4636.027+/-0.888 χ^2/NDF : 1295306.1/28

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1211.176 $\pm$ 765.294 χ^2 /NDF: 12.7/16

Left Out: 1373.647 $\pm$ 702.767 χ^2 /NDF: 9.2/9

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

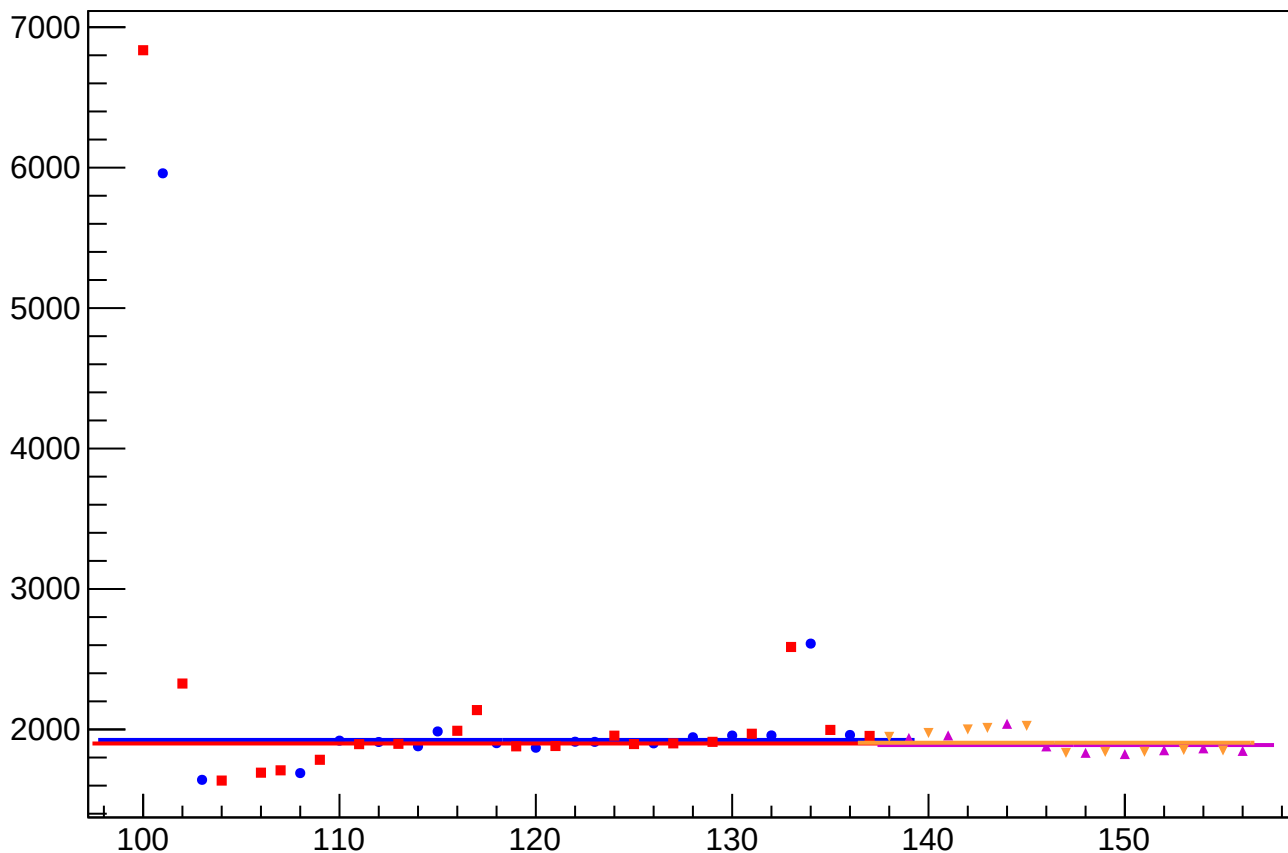
Left In: 208.883 $\pm$ 696.811 χ^2 /NDF: 7.9/8

191.129 $\pm$ 517.627 χ^2 /NDF: 28.1/26

290.194 $\pm$ 360.996 χ^2 /NDF: 44.9/55

384.003 $\pm$ 503.707 χ^2 /NDF: 16.7/28

reg_asym_atr_dd_rms vs Slug, Sign Corrected



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

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

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

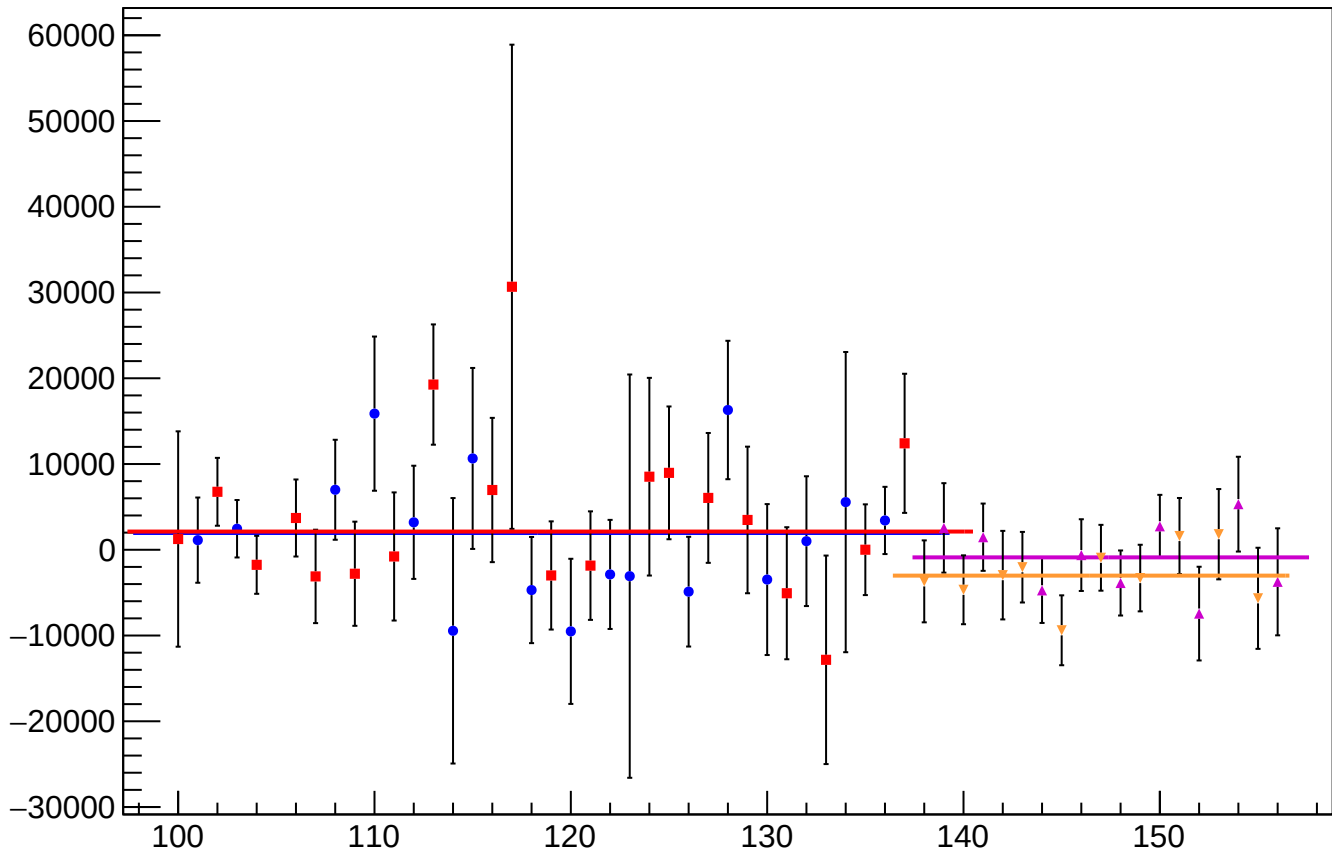
Left In: 1888.858+/-0.493 χ^2/NDF : 17782.4/8

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

1904.040+/-0.255 χ^2/NDF : 870743.2/55

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

asym_atr_dd_correction_mean vs Slug, Sign Corrected



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

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

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

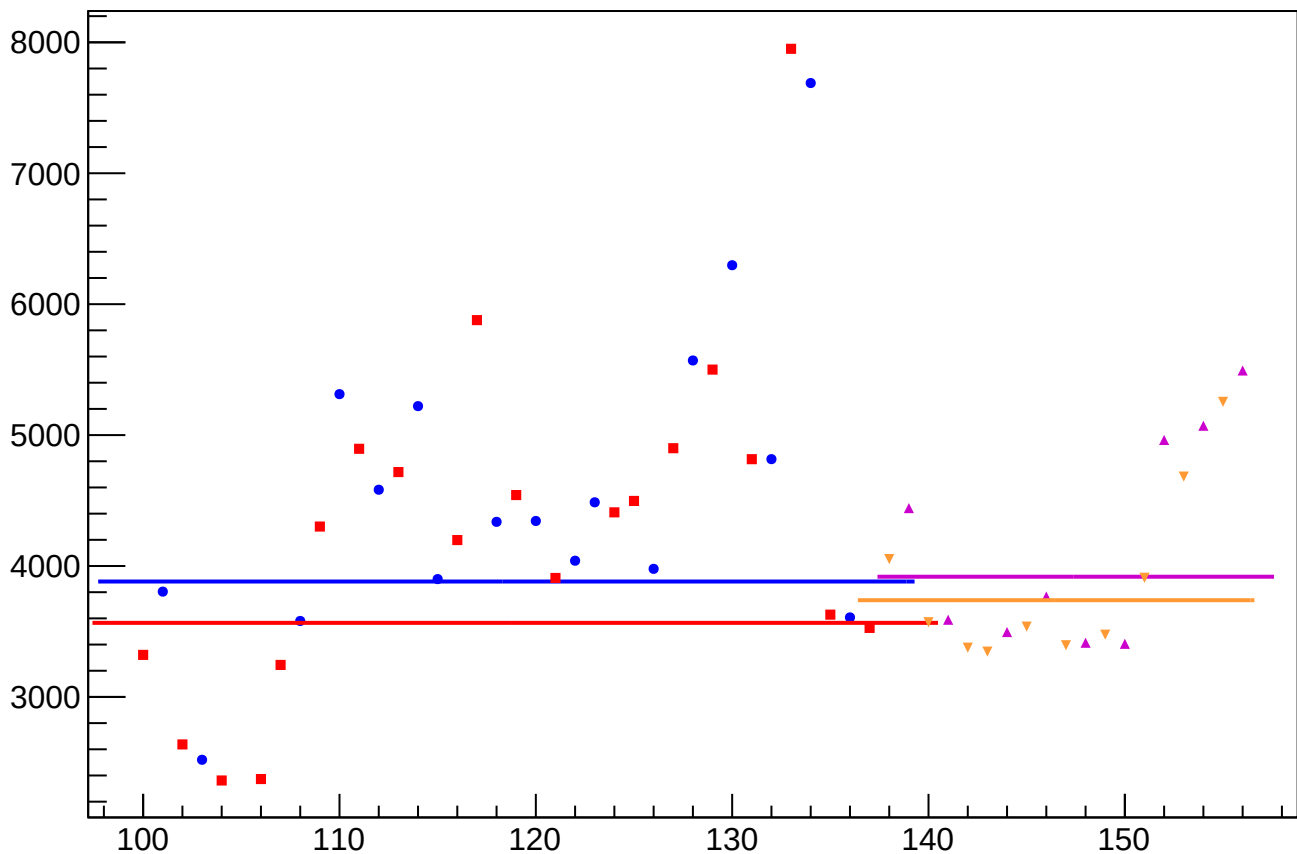
Left In: -886.104 $\pm$ 1468.148 χ^2/NDF : 6.3/8

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

-43.241 $\pm$ 727.279 χ^2/NDF : 51.7/55

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

asym_atr_dd_correction_rms vs Slug, Sign Corrected



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

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

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

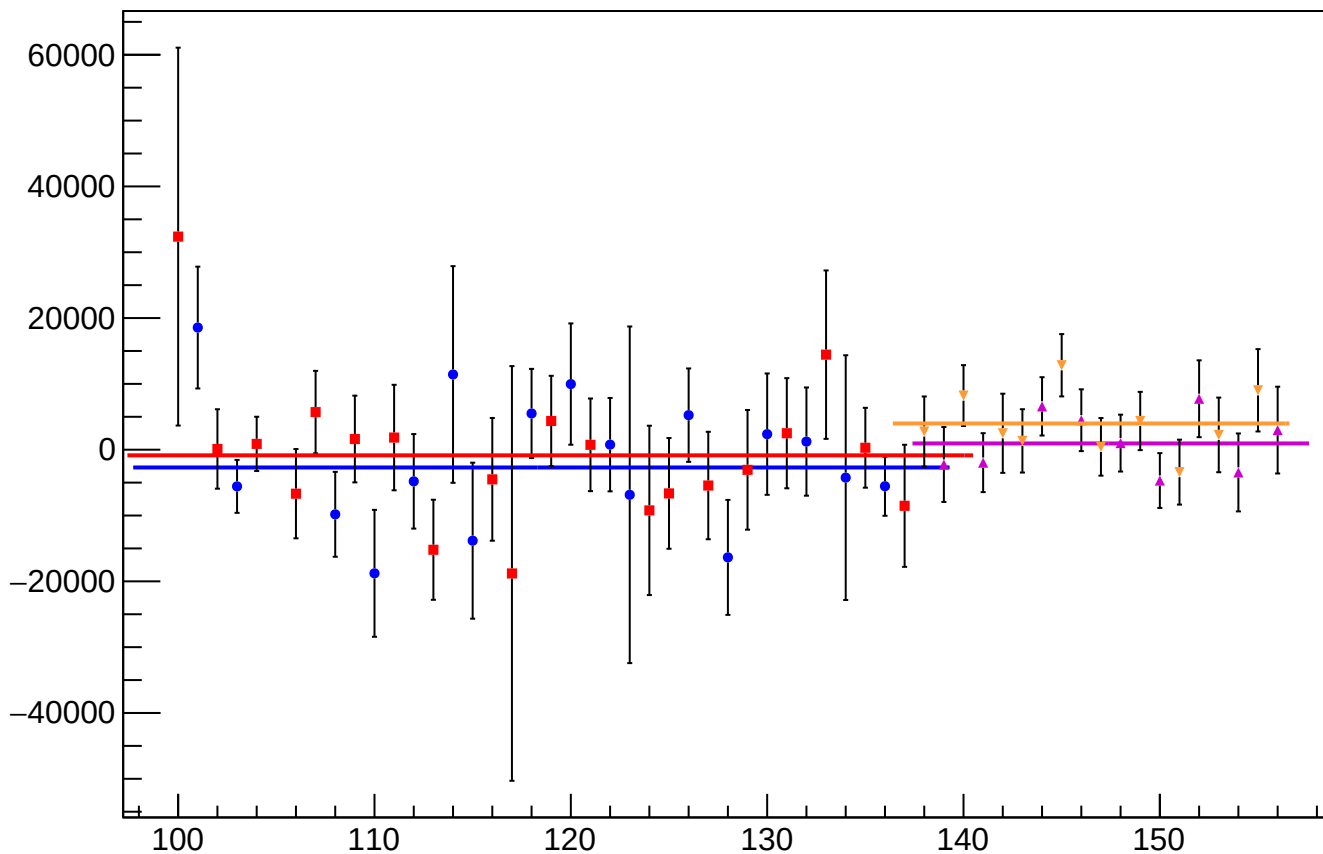
Left In: 3918.233+/-1.038 χ^2/NDF : 423549.4/8

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

3768.079+/-0.514 χ^2/NDF : 2839181.6/55

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

asym_atr_dd_mean vs Slug, Sign Corrected



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

Left Out: 3982.521 ± 1584.252 $\chi^2/\text{NDF}: 8.4/9$

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

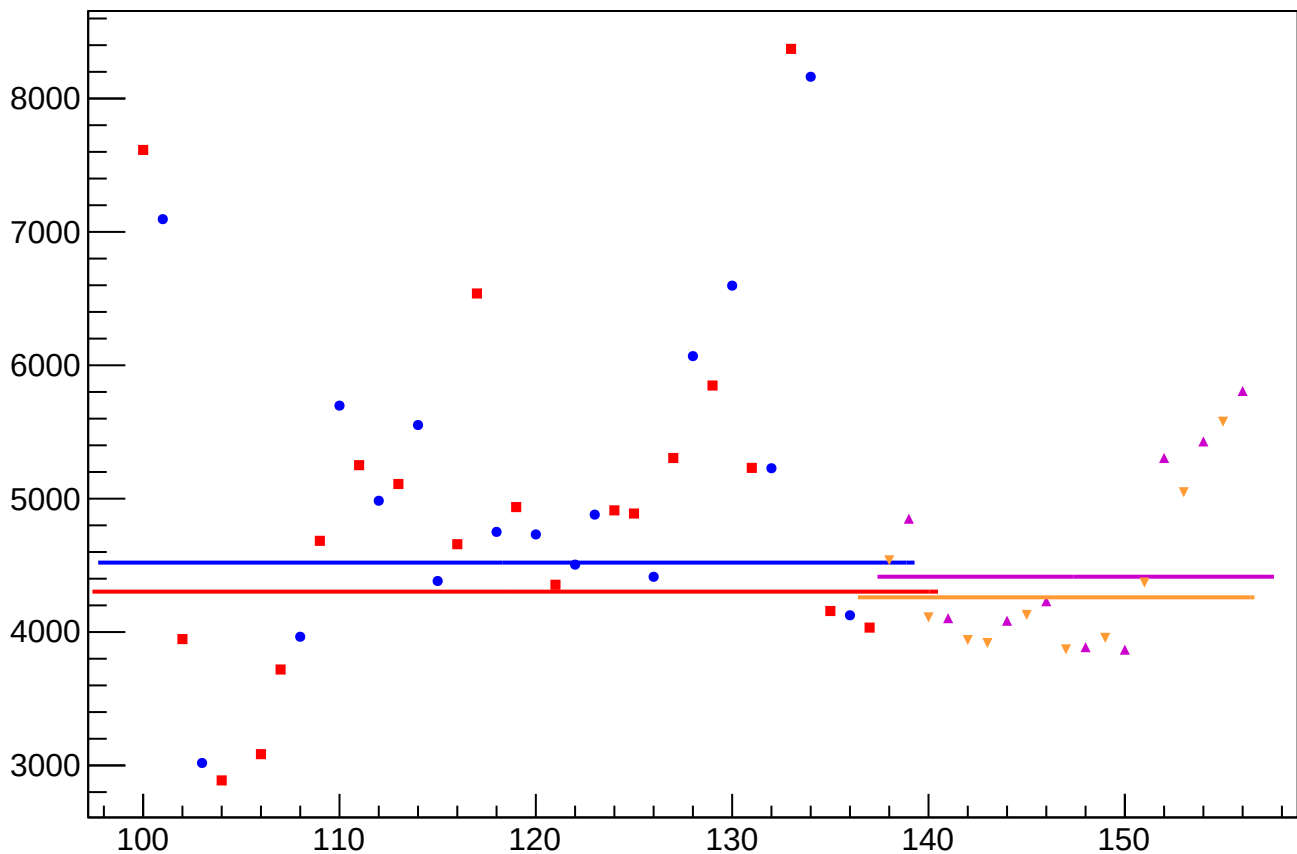
Left In: 952.197 ± 1645.688 $\chi^2/\text{NDF}: 6.8/8$

1081.732 ± 1191.837 $\chi^2/\text{NDF}: 35.9/26$

570.208 ± 837.939 $\chi^2/\text{NDF}: 55.5/55$

70.217 ± 1178.326 $\chi^2/\text{NDF}: 19.2/28$

asym_atr_dd_rms vs Slug, Sign Corrected



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

Left Out: 4260.345 ± 1.120 $\chi^2/\text{NDF} = 178409.2/9$

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

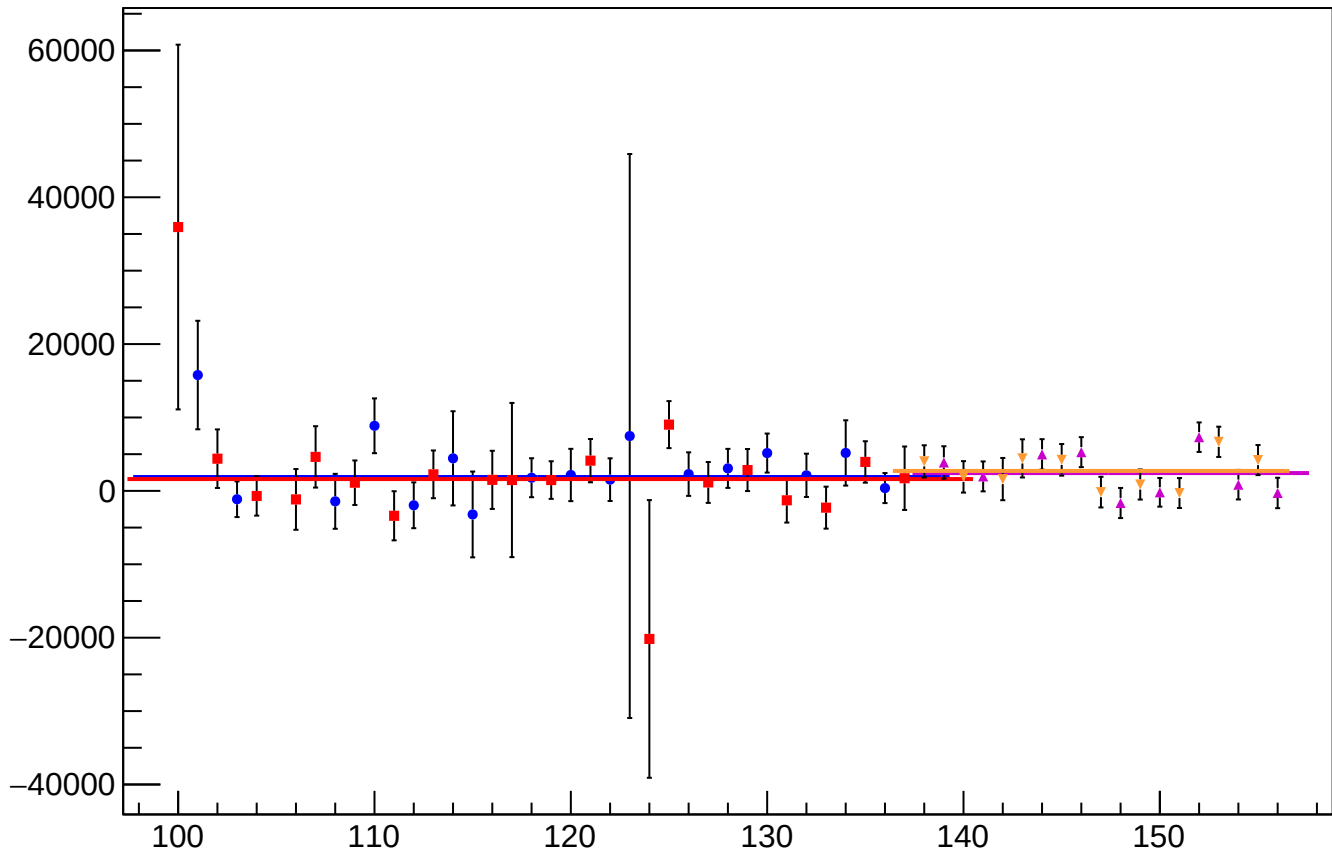
Left In: 4414.860 ± 1.164 $\chi^2/\text{NDF} = 294360.4/8$

4373.343 ± 0.843 $\chi^2/\text{NDF} = 972738.5/26$

4366.569 ± 0.592 $\chi^2/\text{NDF} = 2053649.8/55$

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

reg_asym_at1_avg_mean vs Slug, Sign Corrected



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

Left Out: 2718.138 $\pm$ 691.283 χ^2 /NDF:10.7/9

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

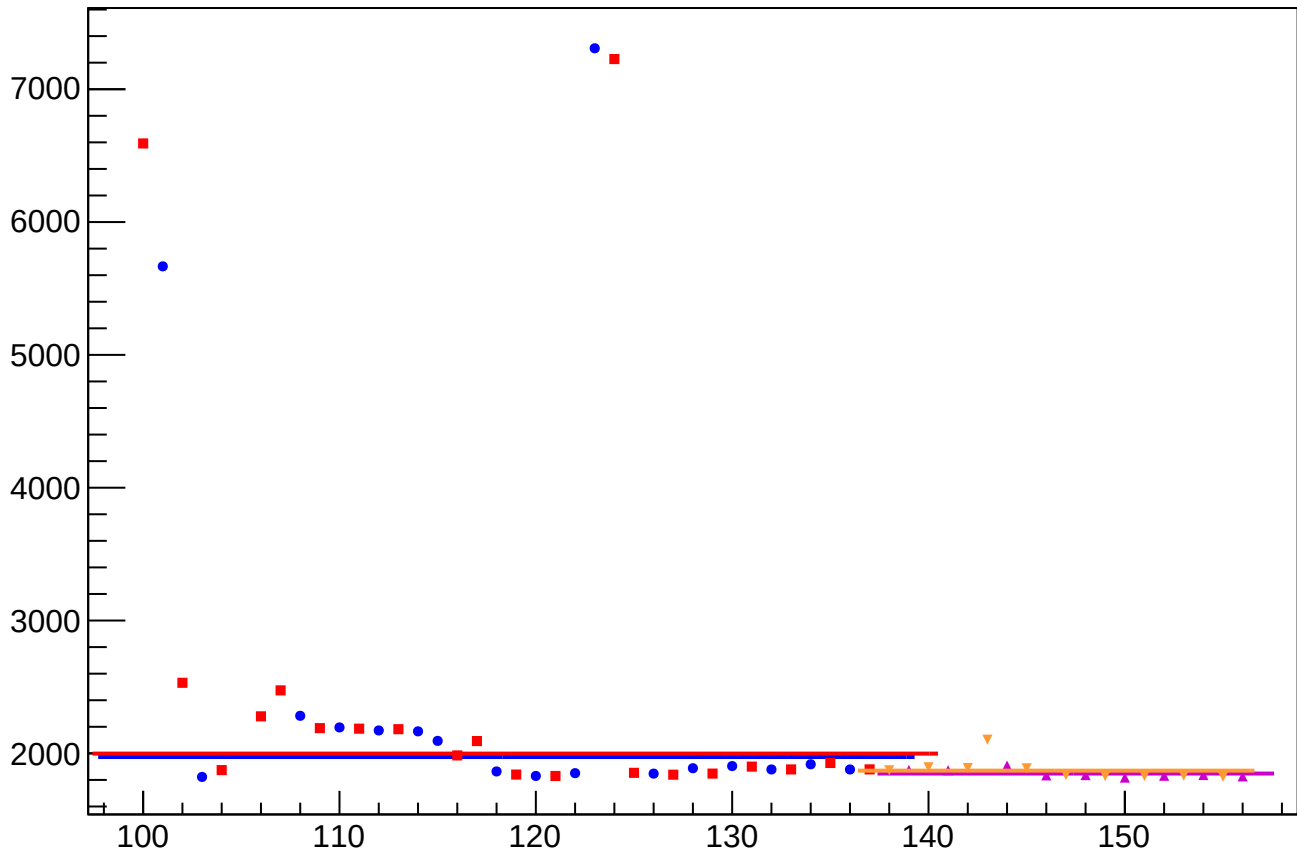
Left In: 2426.203 $\pm$ 682.804 χ^2 /NDF:17.9/8

2354.908 $\pm$ 518.458 χ^2 /NDF: 26.0/26

2206.532 $\pm$ 363.235 χ^2 /NDF: 62.2/55

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

reg_asym_at1_avg_rms vs Slug, Sign Corrected



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

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

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

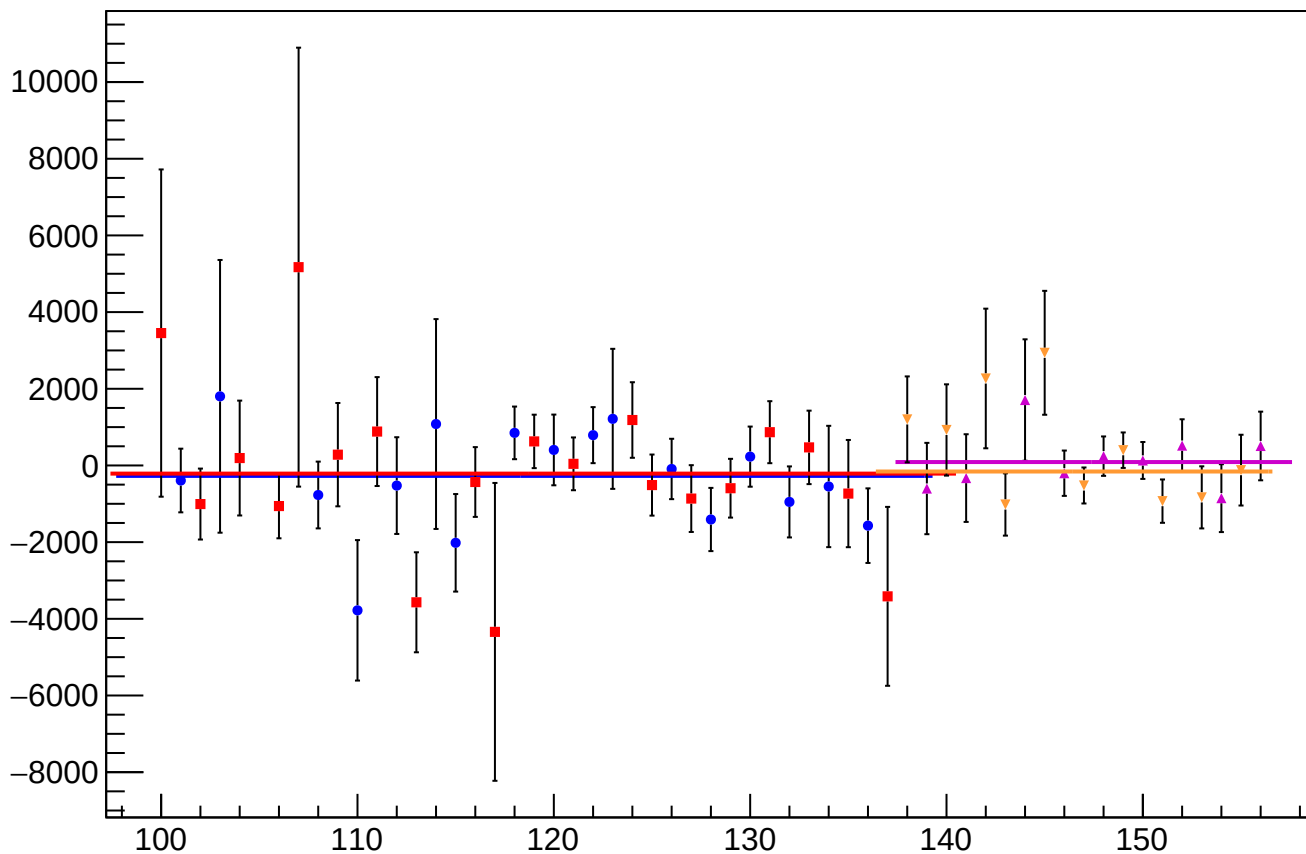
Left In: 1847.947+/-0.483 χ^2/NDF : 3386.4/8

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

1914.684+/-0.257 χ^2/NDF : 1042656.9/55

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

asym_at1_avg_correction_mean vs Slug, Sign Corrected



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

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

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

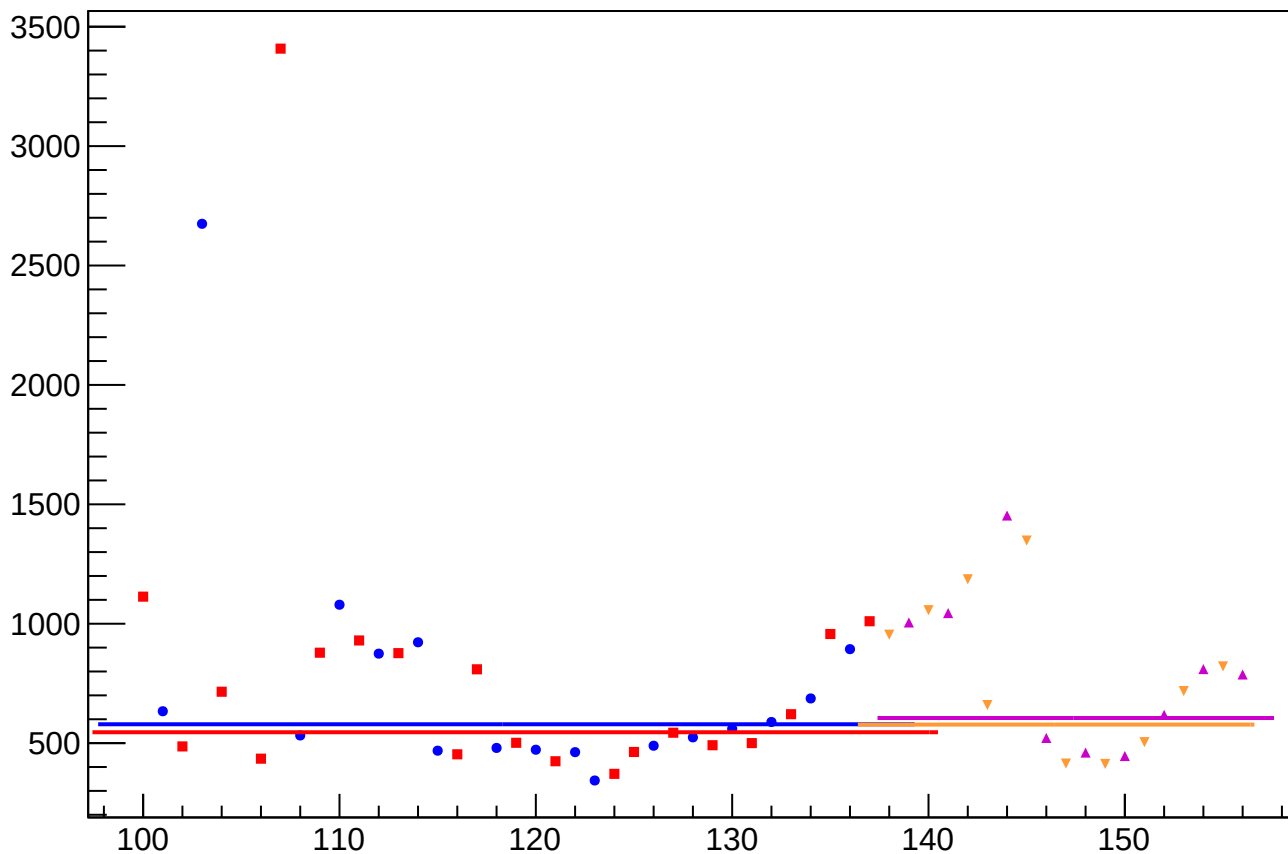
Left In: 88.743+/-239.179 χ^2 /NDF:3.6/8

-212.601+/-166.502 χ^2 /NDF: 30.8/26

-140.171+/-117.297 χ^2 /NDF: 56.5/55

-68.806+/-165.272 χ^2 /NDF: 25.3/28

asym_at1_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 577.676 $\pm$ 0.163 χ^2 /NDF: 1976399.6/9

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

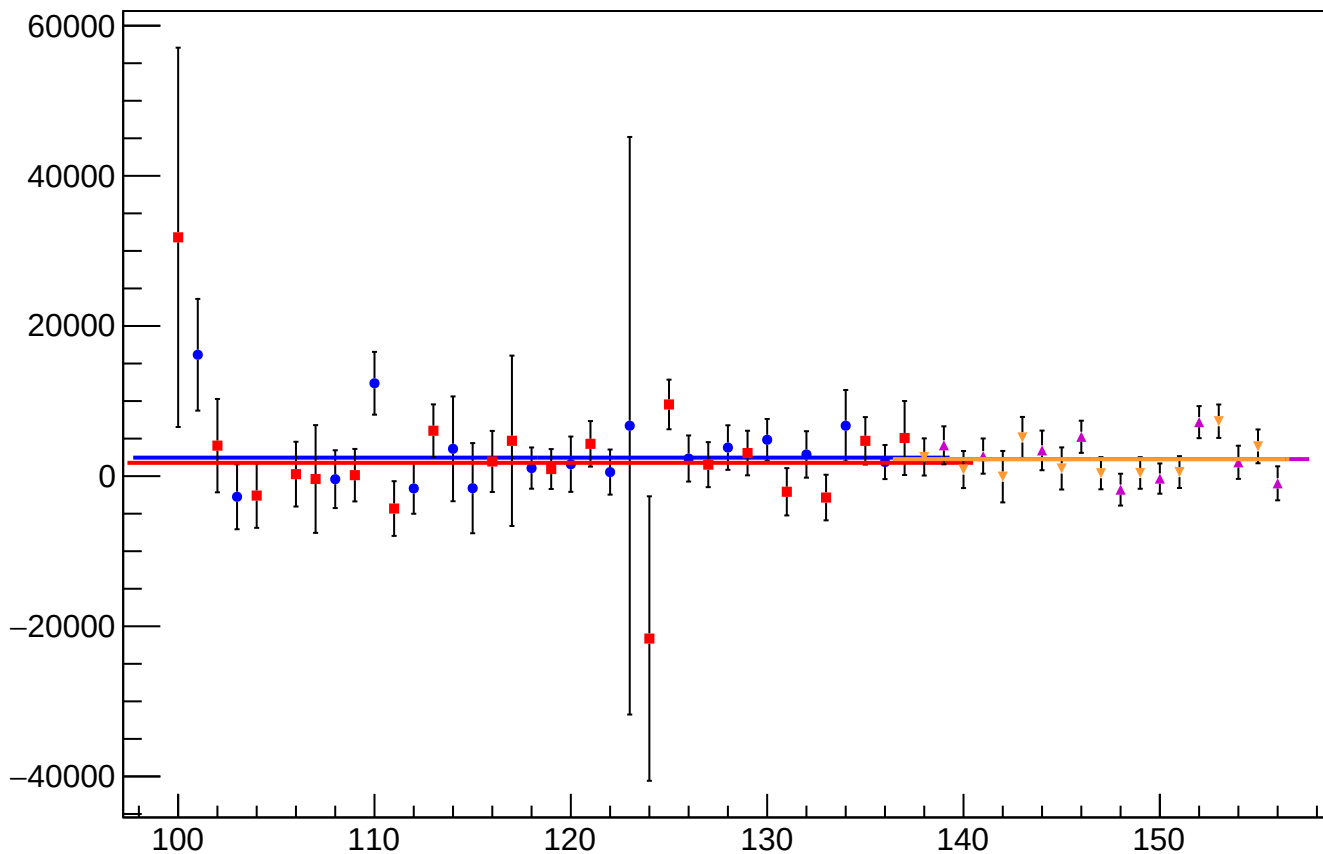
Left In: 605.197 $\pm$ 0.169 χ^2 /NDF: 1702607.7/8

578.317 $\pm$ 0.118 χ^2 /NDF: 3398580.2/26

576.168 $\pm$ 0.083 χ^2 /NDF: 6633793.8/55

574.051 $\pm$ 0.117 χ^2 /NDF: 3234552.4/28

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

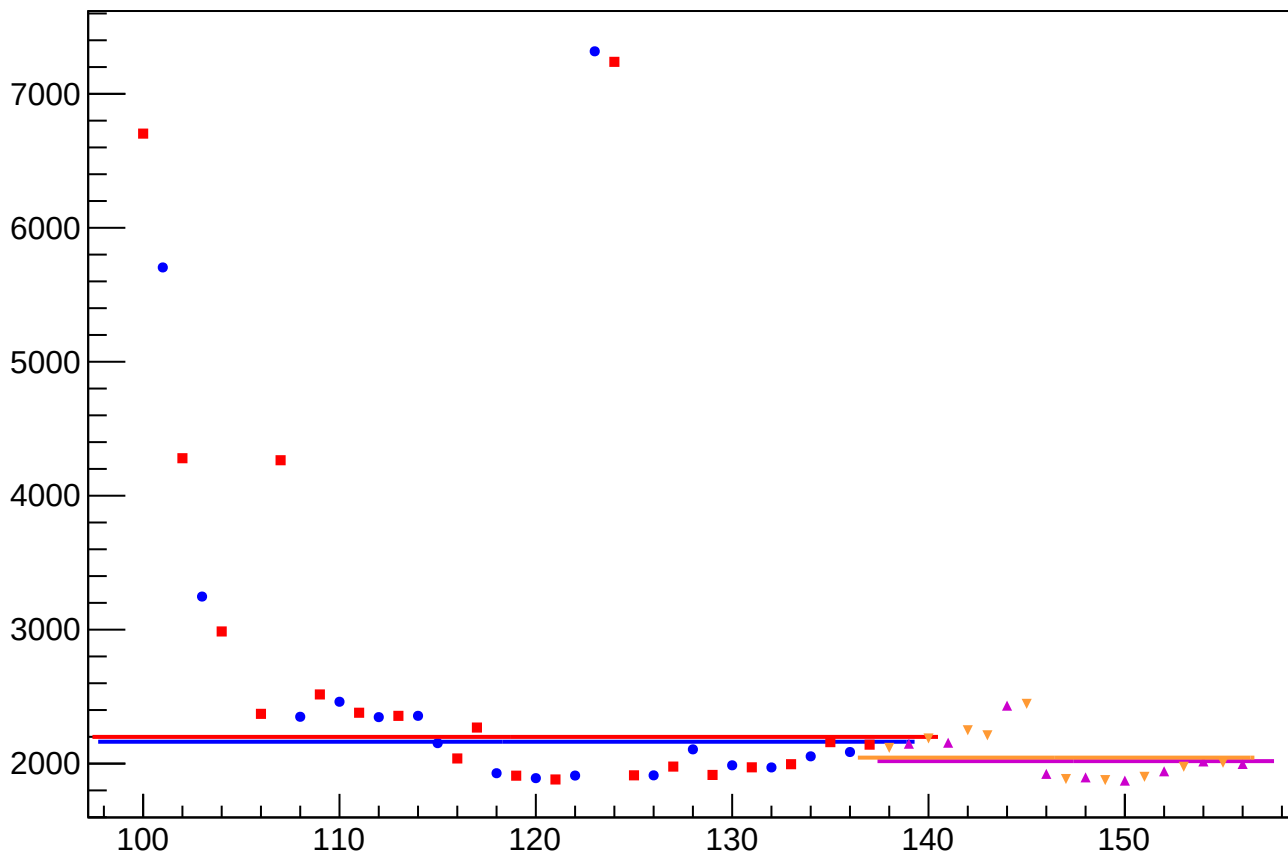
Left In: 2266.968 $\pm$ 747.968 χ^2 /NDF:15.4/8

2351.293 $\pm$ 569.741 χ^2 /NDF: 25.6/26

2199.450 $\pm$ 400.022 χ^2 /NDF: 61.9/55

2051.823 $\pm$ 561.776 χ^2 /NDF: 36.1/28

asym_at1_avg_rms vs Slug, Sign Corrected



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

Left Out: 2044.676 $\pm$ 0.536 $\chi^2/\text{NDF}: 99372.7/9$

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

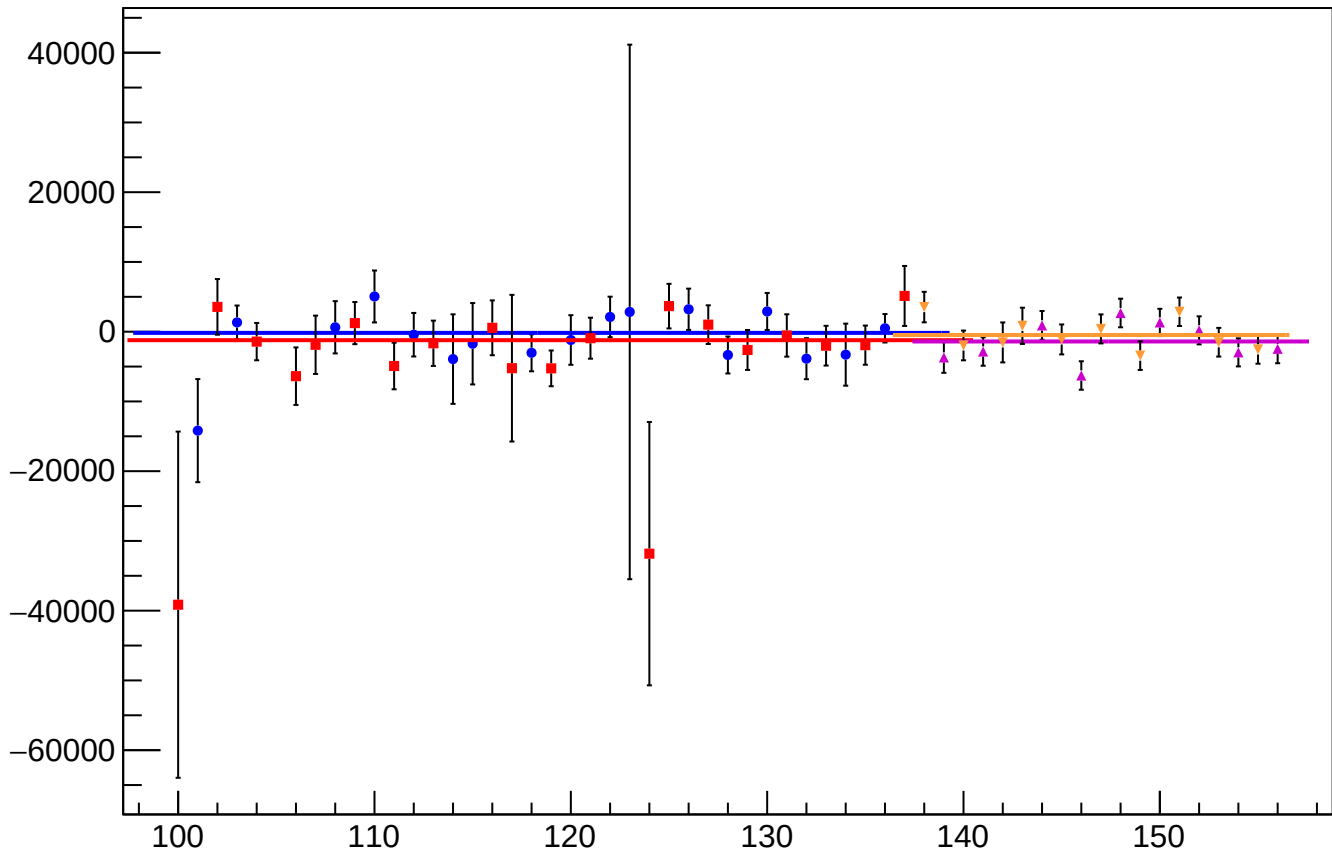
Left In: 2018.561 $\pm$ 0.529 $\chi^2/\text{NDF}: 84973.2/8$

2096.355 $\pm$ 0.403 $\chi^2/\text{NDF}: 830274.3/26$

2096.878 $\pm$ 0.283 $\chi^2/\text{NDF}: 1769583.1/55$

2097.387 $\pm$ 0.397 $\chi^2/\text{NDF}: 939305.5/28$

reg_asym_at1_dd_mean vs Slug, Sign Corrected



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

Left Out: -476.441+/-690.054 χ^2/NDF : 10.5/9

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

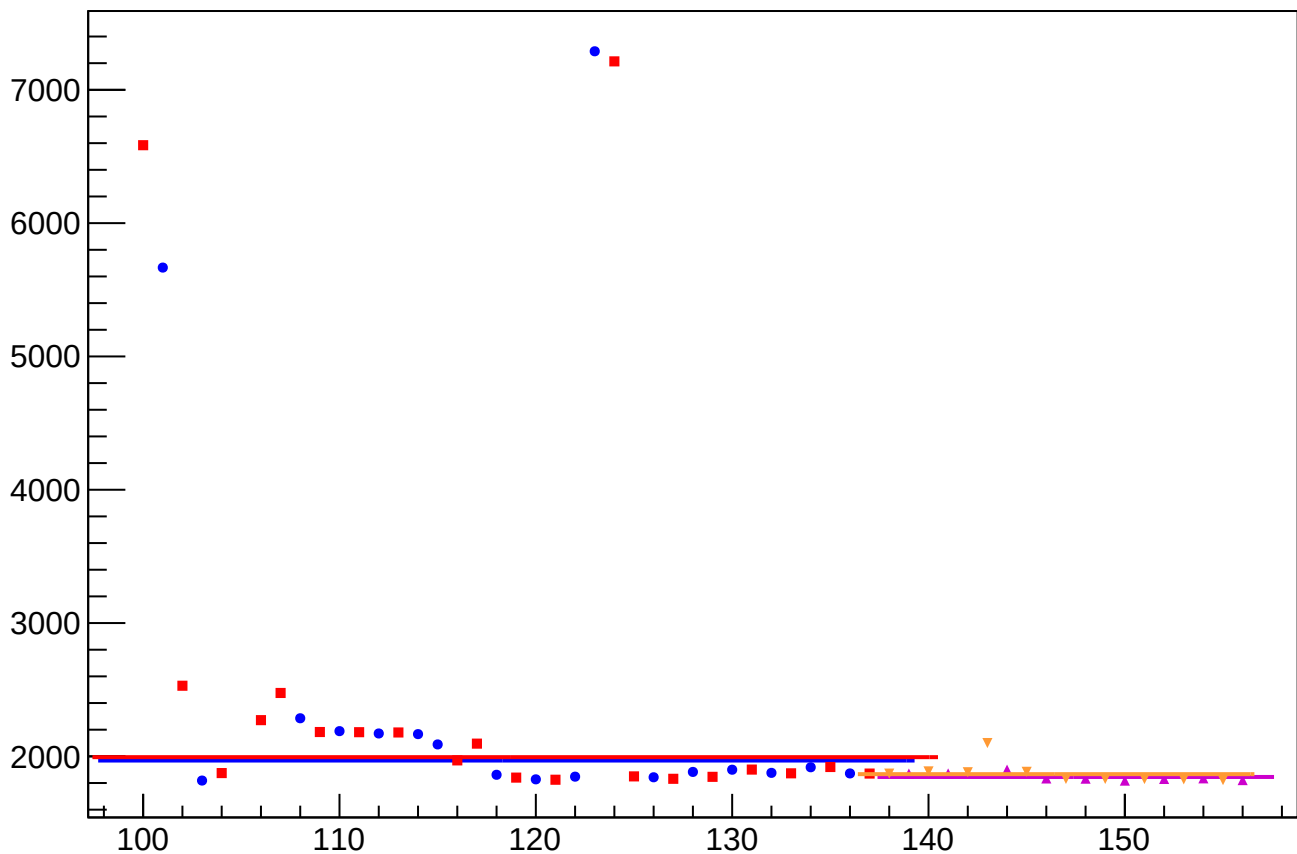
Left In: -1403.018+/-681.851 χ^2/NDF : 16.0/8

-342.515+/-517.522 χ^2/NDF : 25.1/26

-840.711+/-362.601 χ^2/NDF : 61.3/55

-1321.111+/-508.195 χ^2/NDF : 34.3/28

reg_asym_at1_dd_rms vs Slug, Sign Corrected



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

Left Out: 1866.429+/-0.488 χ^2/NDF : 20081.4/9

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

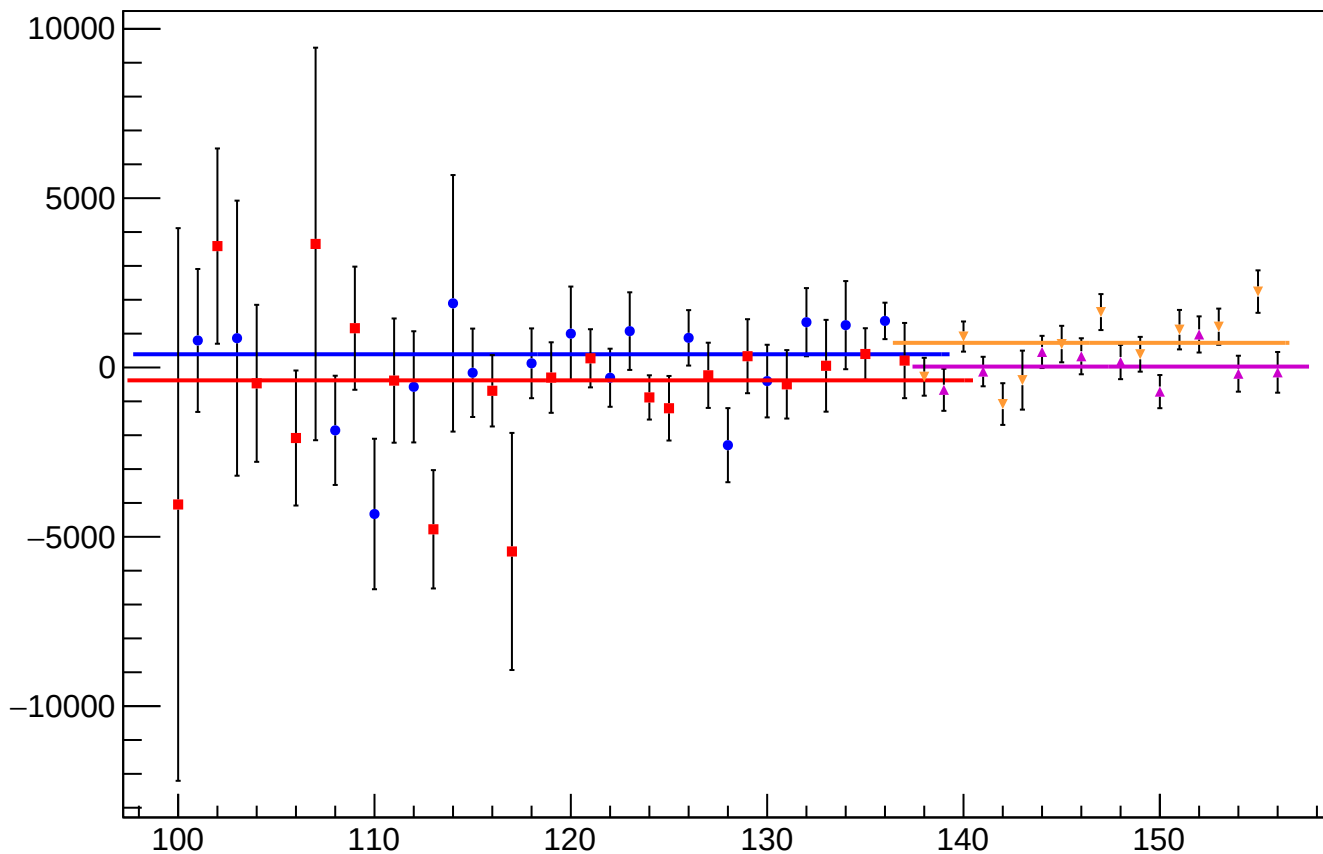
Left In: 1845.395+/-0.482 χ^2/NDF : 2994.8/8

1911.147+/-0.366 χ^2/NDF : 642250.1/26

1911.292+/-0.256 χ^2/NDF : 1043808.2/55

1911.431+/-0.359 χ^2/NDF : 401557.8/28

asym_at1_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 728.006+/-176.845 χ^2/NDF : 24.0/9

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

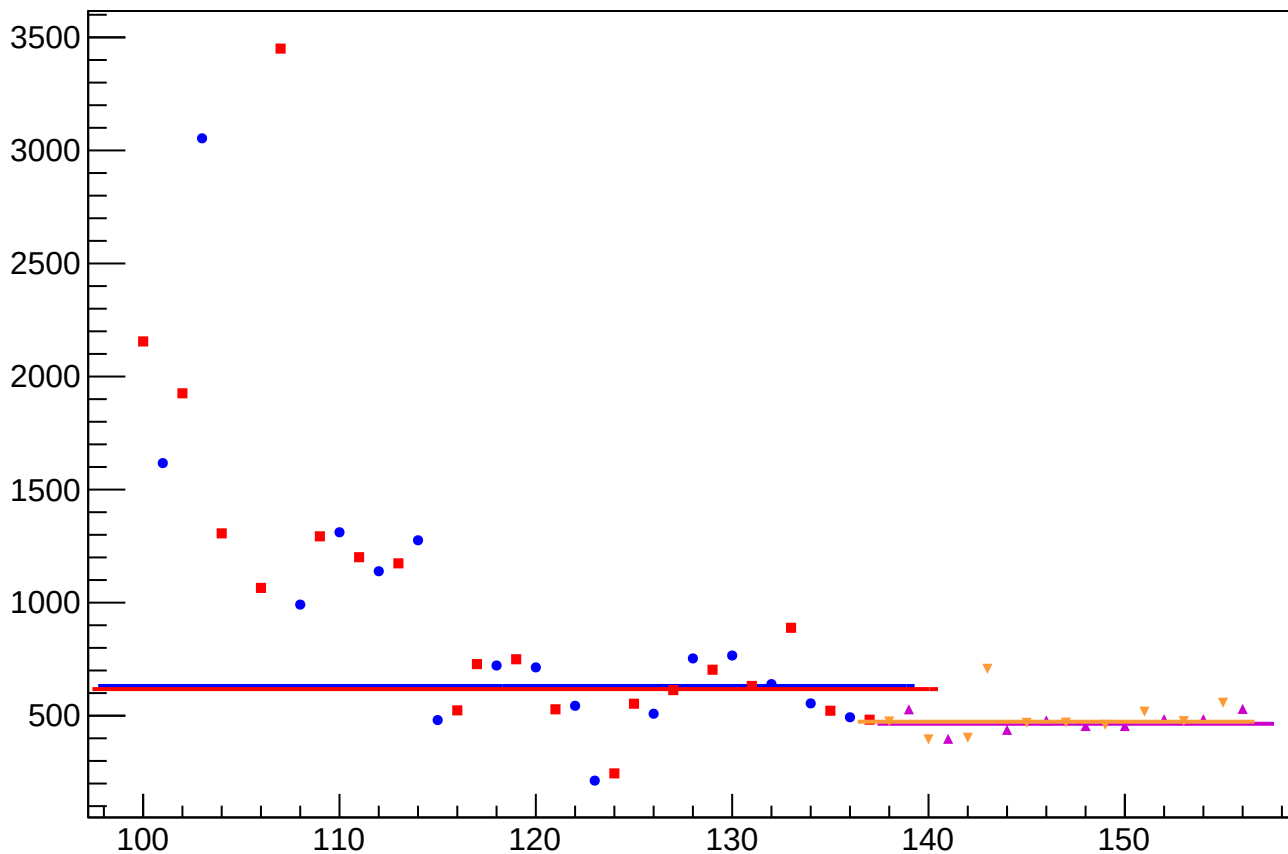
Left In: 26.913+/-172.225 χ^2/NDF : 8.2/8

626.878+/-147.958 χ^2/NDF : 45.2/26

257.993+/-103.363 χ^2/NDF : 83.5/55

-93.658+/-144.460 χ^2/NDF : 26.2/28

asym_at1_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 473.393+/-0.125 χ^2/NDF : 281933.8/9

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

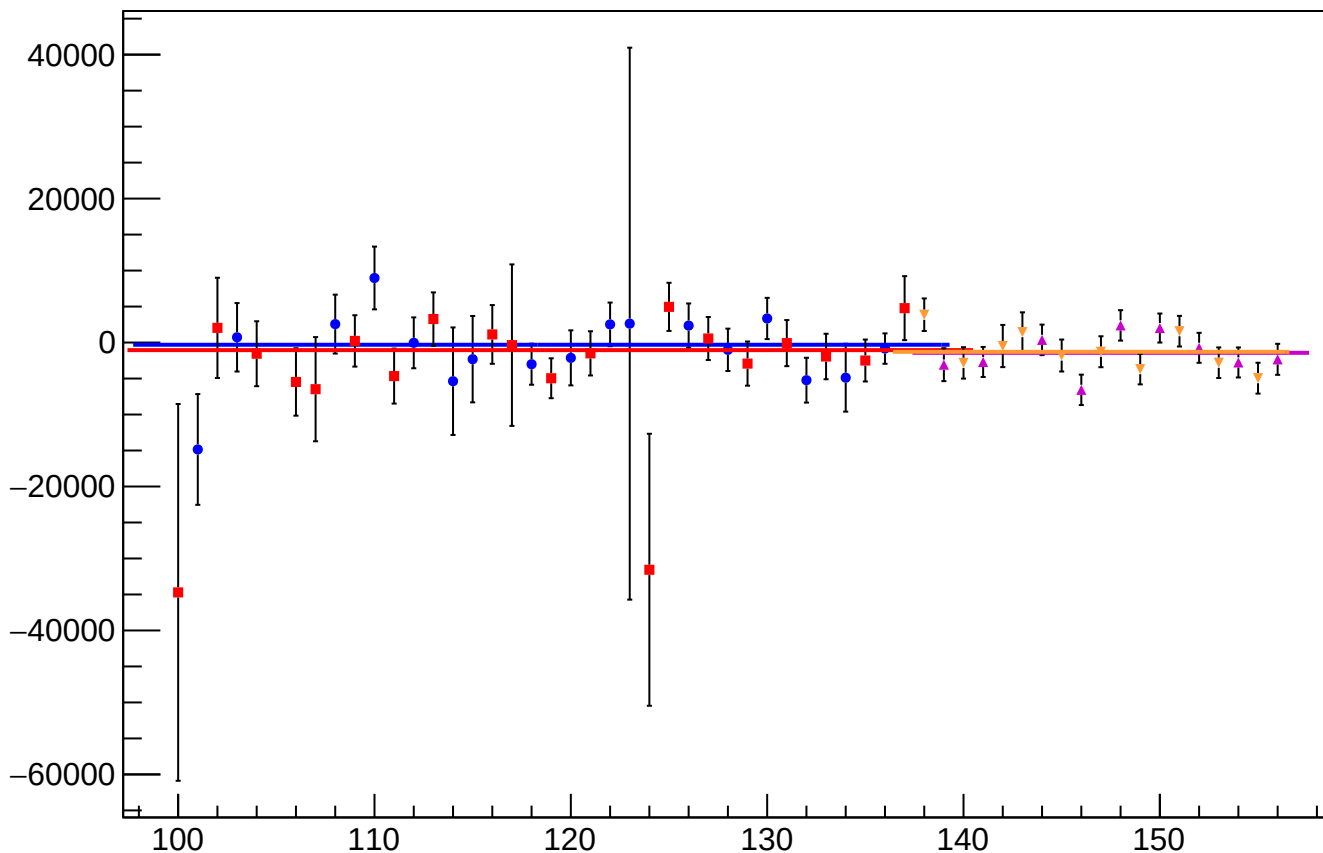
Left In: 464.313+/-0.122 χ^2/NDF : 107333.9/8

520.805+/-0.105 χ^2/NDF : 3021806.6/26

515.158+/-0.073 χ^2/NDF : 6409092.2/55

509.774+/-0.102 χ^2/NDF : 3381594.0/28

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -305.713 ± 871.922 χ^2/NDF : 17.2/16

Left Out: -1286.976 ± 715.059 χ^2/NDF : 13.3/9

Right Out: -1052.718 ± 864.863 χ^2/NDF : 16.6/19

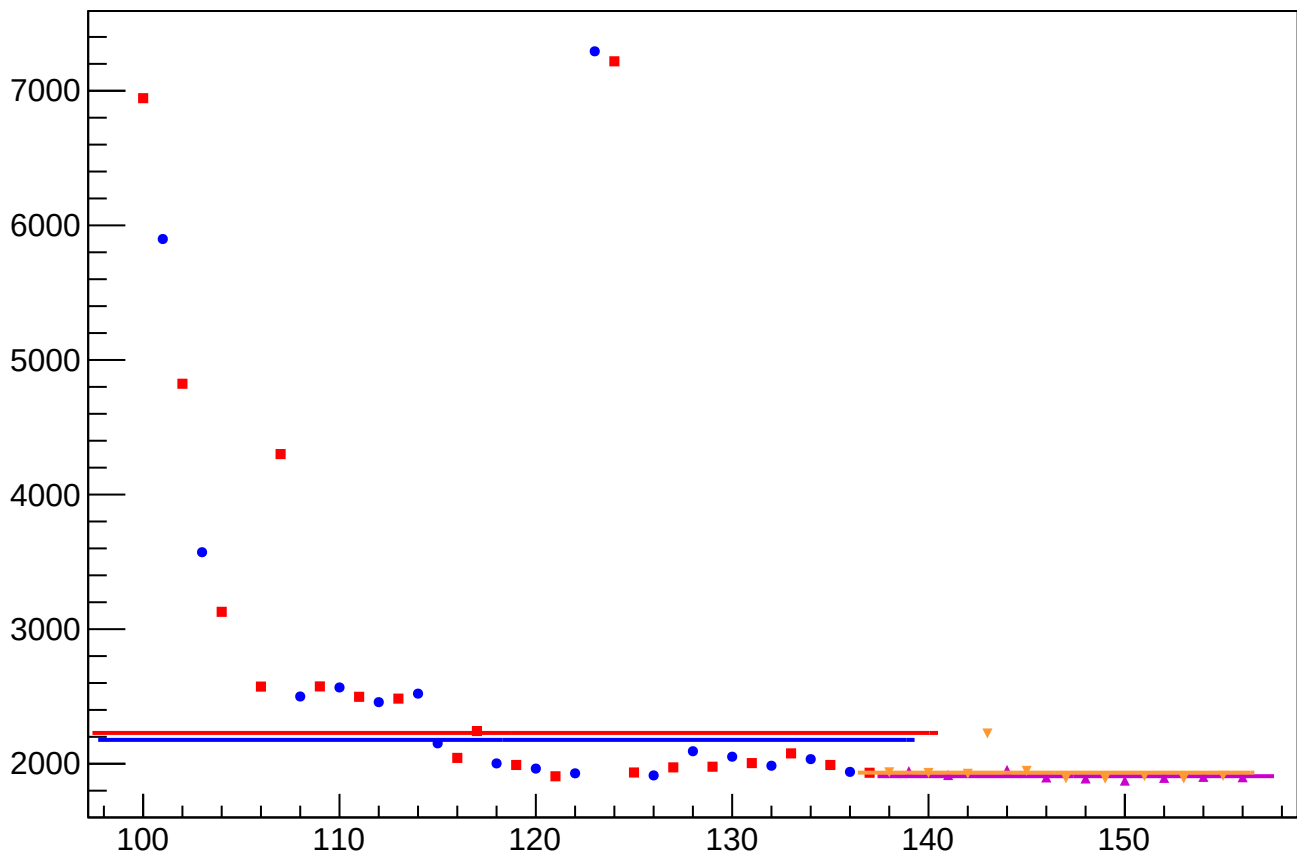
Left In: -1426.410 ± 704.780 χ^2/NDF : 14.4/8

-892.397 ± 552.907 χ^2/NDF : 31.2/26

-1087.137 ± 388.624 χ^2/NDF : 62.6/55

-1277.284 ± 546.346 χ^2/NDF : 31.2/28

asym_at1_dd_rms vs Slug, Sign Corrected



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

Left Out: 1933.964+/-0.506 χ^2/NDF : 25557.5/9

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

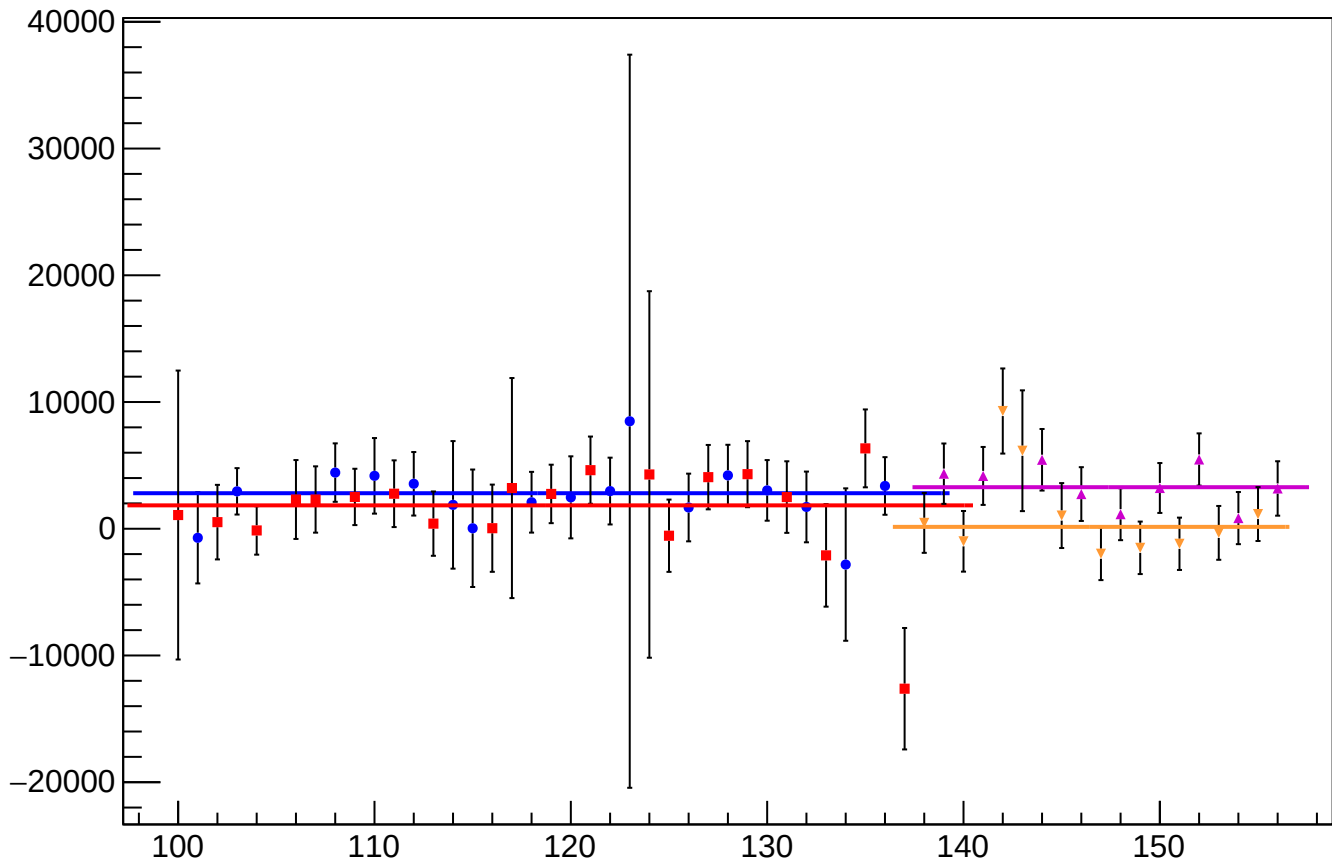
Left In: 1907.688+/-0.498 χ^2/NDF : 2367.8/8

2031.871+/-0.391 χ^2/NDF : 921640.0/26

2033.935+/-0.275 χ^2/NDF : 1985864.9/55

2035.950+/-0.386 χ^2/NDF : 1064169.8/28

reg_asym_at2_avg_mean vs Slug, Sign Corrected



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

Left Out: 147.820 ± 749.523 χ^2/NDF : 11.7/9

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

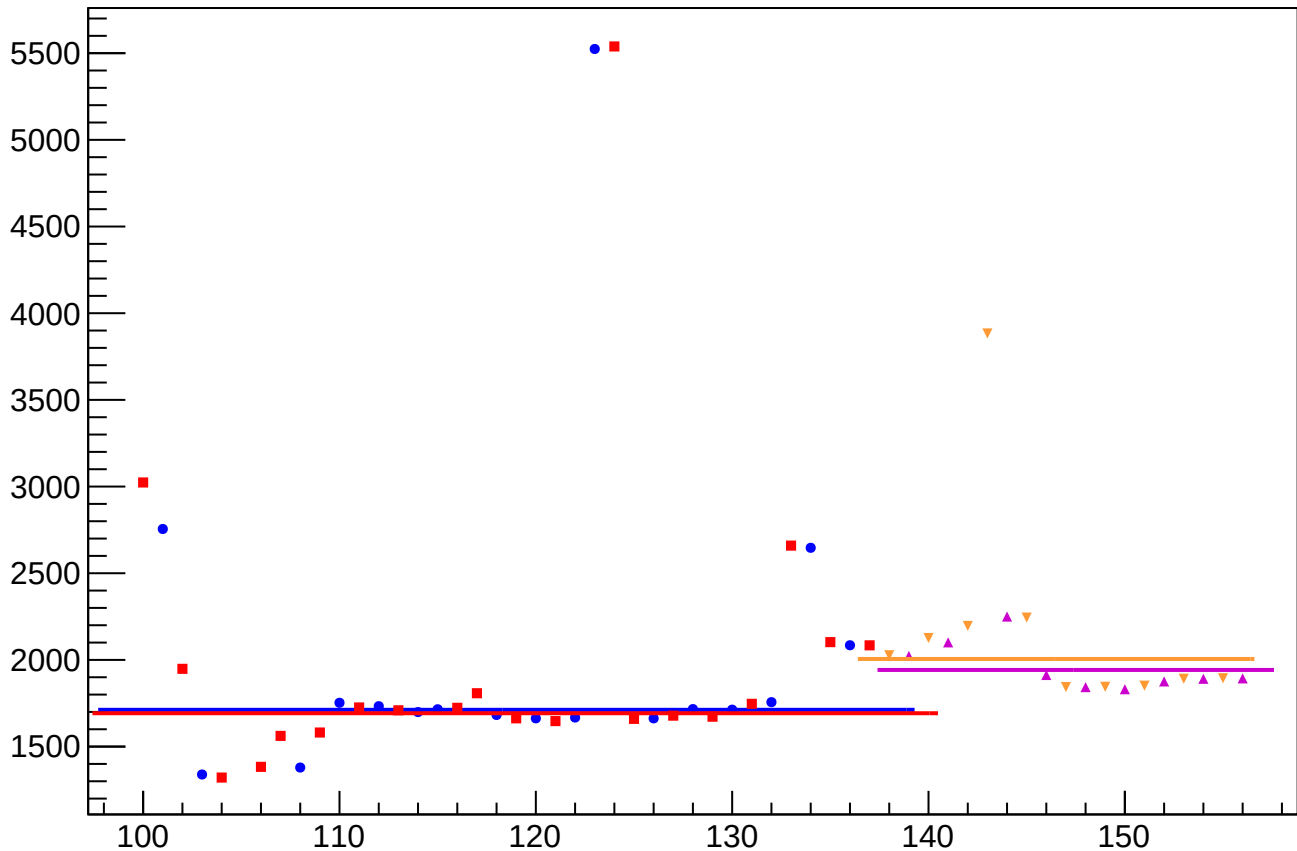
Left In: 3278.581 ± 717.246 χ^2/NDF : 4.8/8

1607.550 ± 503.031 χ^2/NDF : 22.5/26

2069.352 ± 348.414 χ^2/NDF : 49.2/55

2495.180 ± 483.041 χ^2/NDF : 25.1/28

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1712.154 ± 0.480 χ^2/NDF : 432478.4/16

Left Out: 2005.537 ± 0.530 χ^2/NDF : 386124.8/9

Right Out: 1692.404 ± 0.462 χ^2/NDF : 455277.5/19

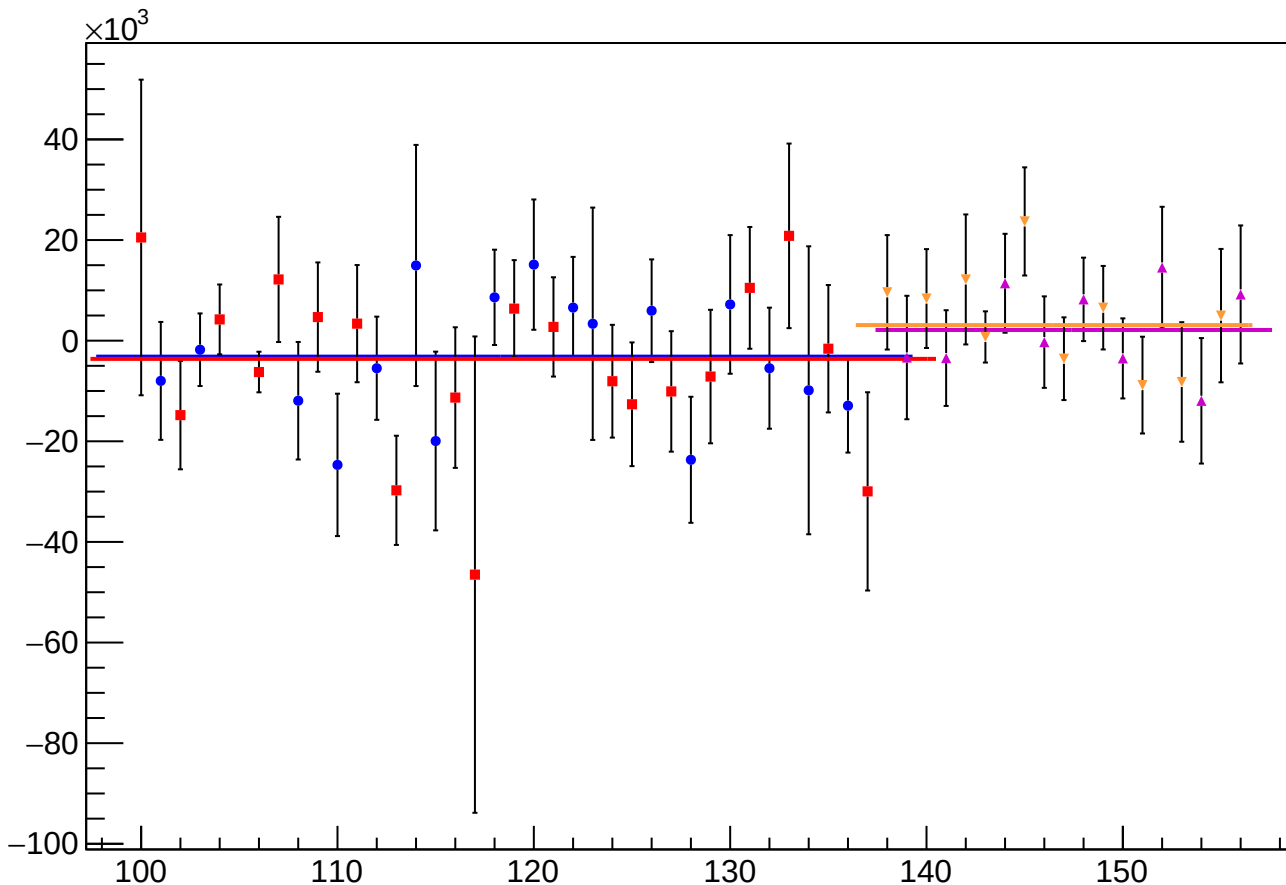
Left In: 1942.124 ± 0.507 χ^2/NDF : 59891.1/8

1844.300 ± 0.356 χ^2/NDF : 987010.3/26

1824.200 ± 0.246 χ^2/NDF : 1640796.4/55

1805.665 ± 0.342 χ^2/NDF : 647648.0/28

asym_at2_avg_correction_mean vs Slug, Sign Corrected



Right In: -3173.245 $\pm$ 2851.982 χ^2 /NDF: 14.4/16

Left Out: 3095.085 $\pm$ 2837.543 χ^2 /NDF: 8.3/9

Right Out: -3618.416 $\pm$ 2263.938 χ^2 /NDF: 20.3/19

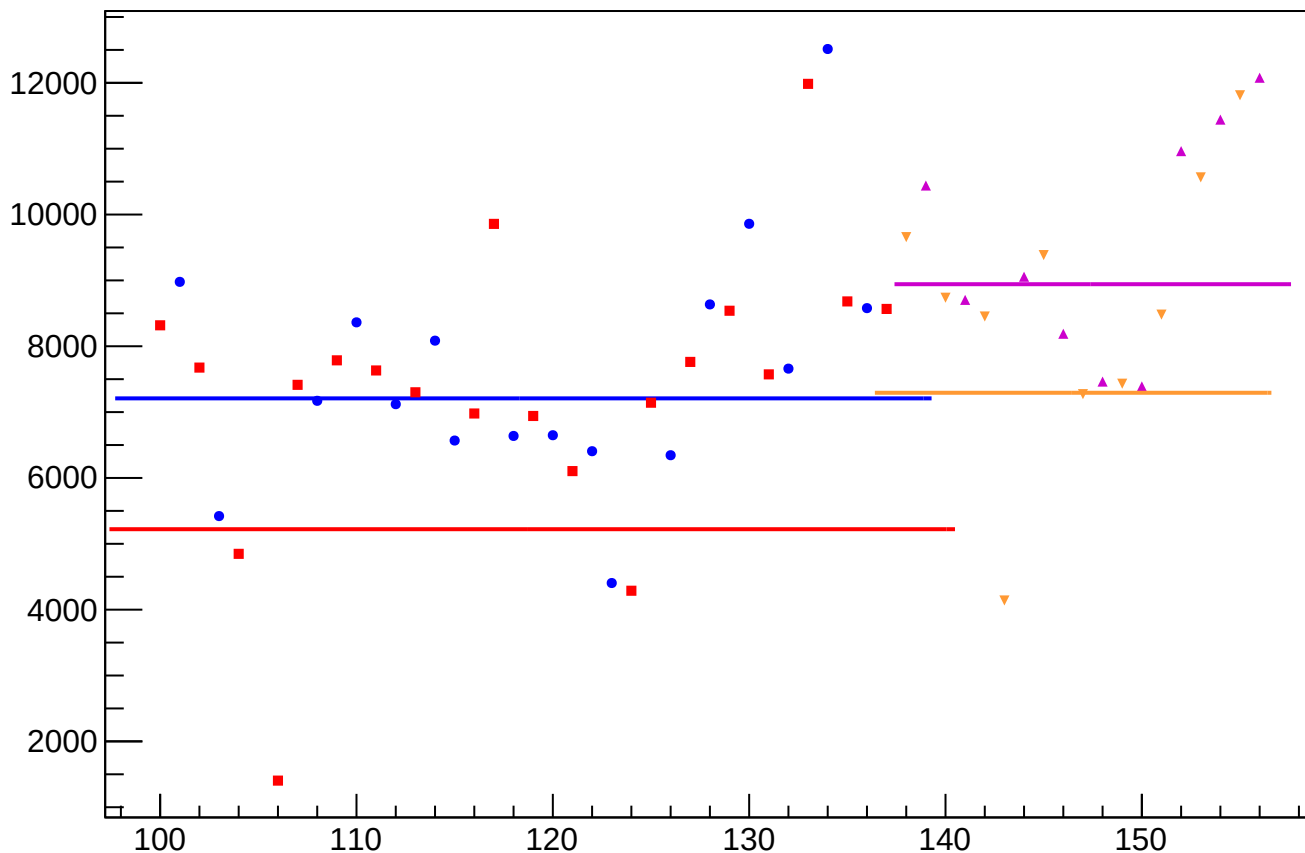
Left In: 2125.952 $\pm$ 3350.482 χ^2 /NDF: 5.1/8

-23.173 $\pm$ 2011.531 χ^2 /NDF: 25.1/26

-983.044 $\pm$ 1371.887 χ^2 /NDF: 53.0/55

-1817.791 $\pm$ 1875.849 χ^2 /NDF: 27.5/28

asym_at2_avg_correction_rms vs Slug, Sign Corrected



Right In: 7208.567 ± 2.017 χ^2/NDF : 469302.0/16

Left Out: 7293.679 ± 2.006 χ^2/NDF : 1403669.1/9

Right Out: 5221.816 ± 1.601 χ^2/NDF : 3216100.5/19

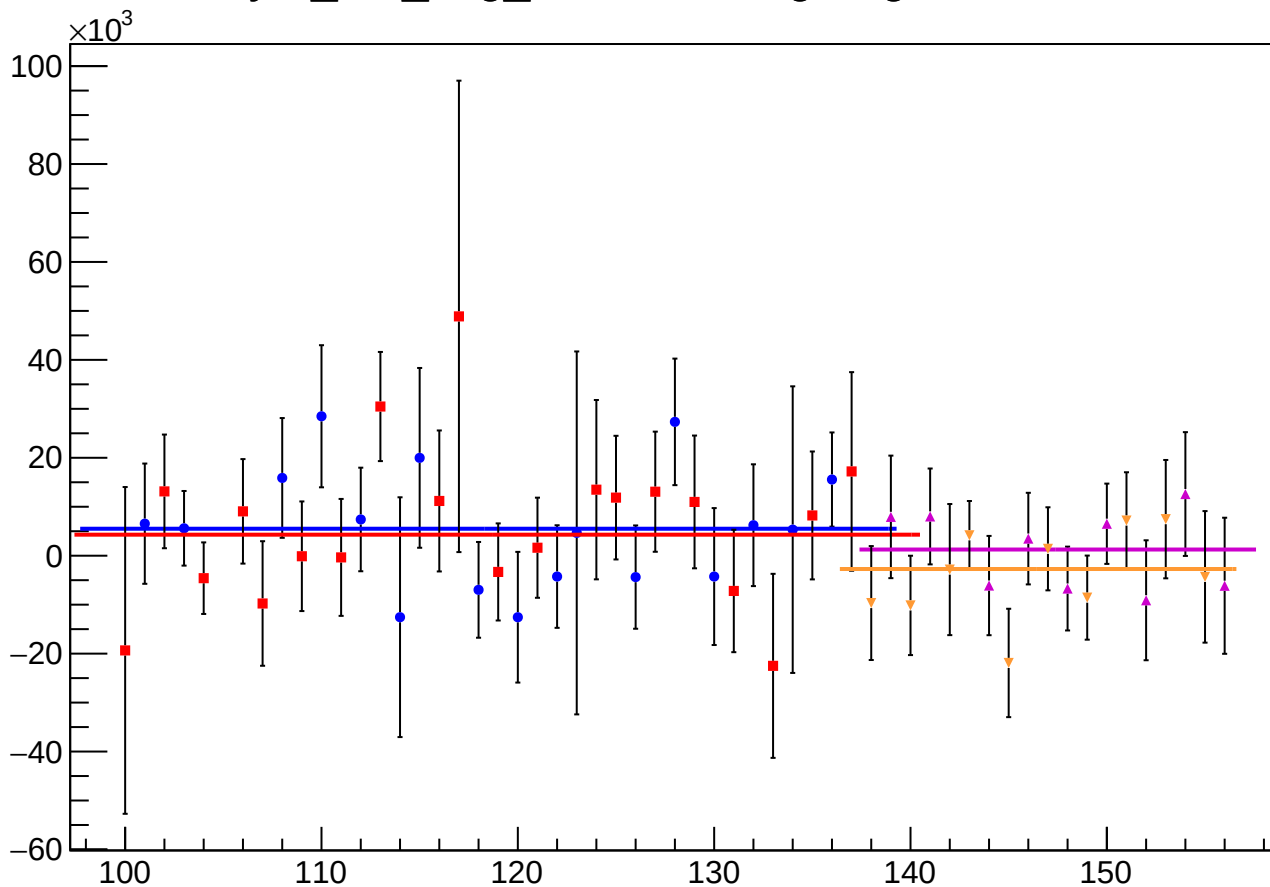
Left In: 8942.248 ± 2.369 χ^2/NDF : 425556.0/8

7251.339 ± 1.422 χ^2/NDF : 1873866.2/26

6789.583 ± 0.970 χ^2/NDF : 7405610.4/55

6388.019 ± 1.326 χ^2/NDF : 5334701.4/28

asym_at2_avg_mean vs Slug, Sign Corrected



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

Left Out: -2715.980 $\pm$ 3141.390 χ^2 /NDF: 7.3/9

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

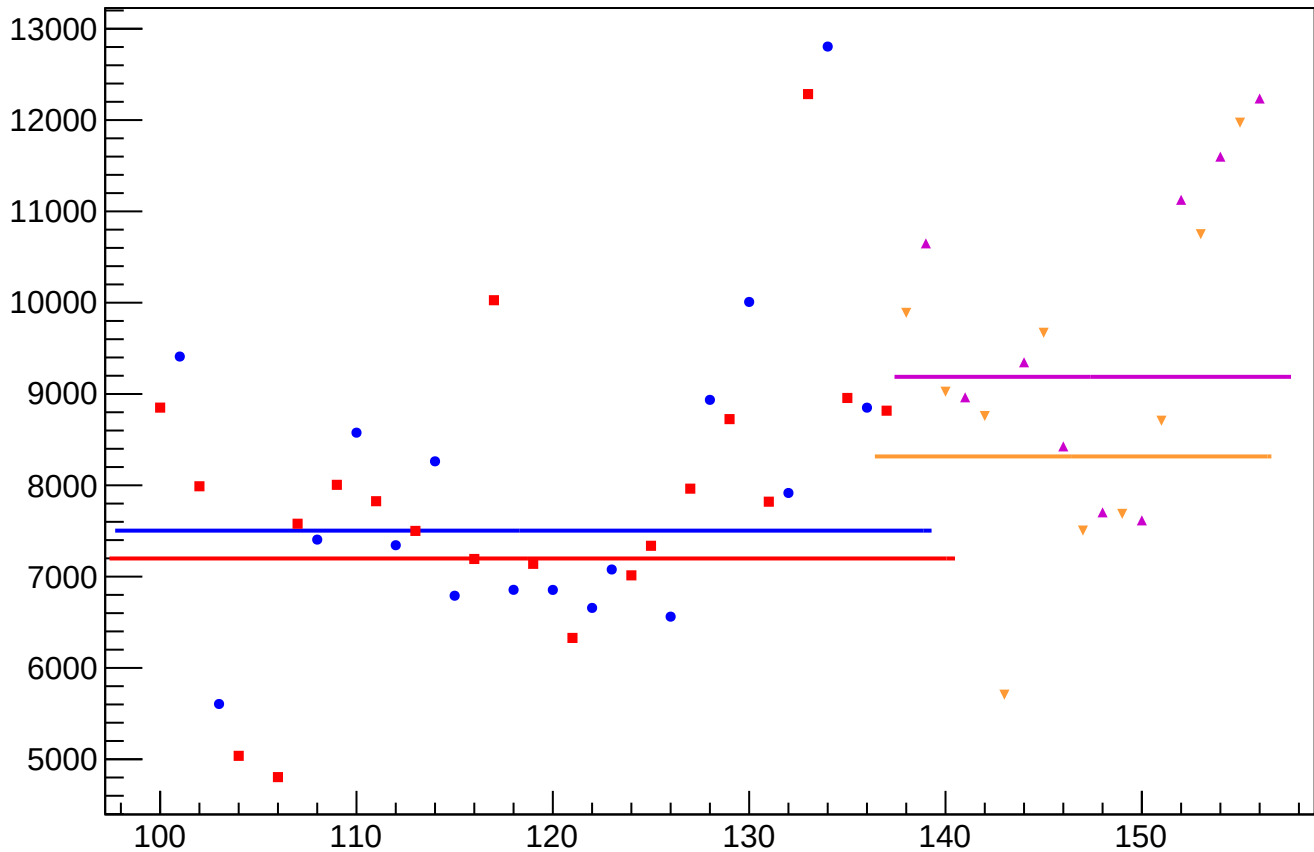
Left In: 1262.818 $\pm$ 3438.175 χ^2 /NDF: 4.4/8

1625.775 $\pm$ 2158.551 χ^2 /NDF: 25.0/26

2357.873 $\pm$ 1528.373 χ^2 /NDF: 46.4/55

3093.911 $\pm$ 2164.351 χ^2 /NDF: 21.2/28

asym_at2_avg_rms vs Slug, Sign Corrected



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

Left Out: 8316.090 $\pm$ 2.221 χ^2 /NDF: 617169.9/9

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

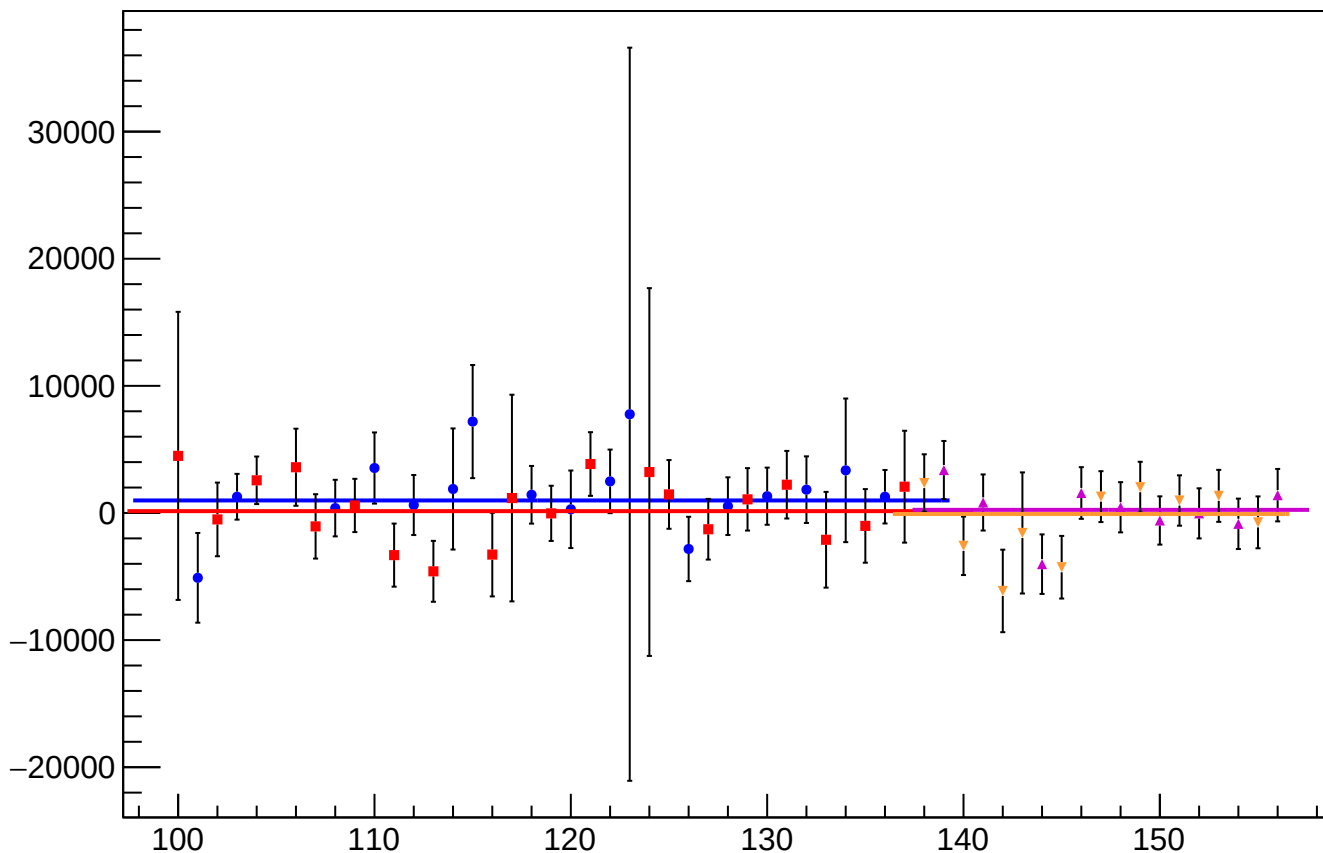
Left In: 9188.091 $\pm$ 2.431 χ^2 /NDF: 394794.3/8

7887.243 $\pm$ 1.526 χ^2 /NDF: 1115094.2/26

7936.964 $\pm$ 1.081 χ^2 /NDF: 2480926.4/55

7986.947 $\pm$ 1.530 χ^2 /NDF: 1363704.2/28

reg_asym_at2_dd_mean vs Slug, Sign Corrected



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

Left Out: -82.503 $\pm$ 721.140 χ^2 /NDF: 11.3/9

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

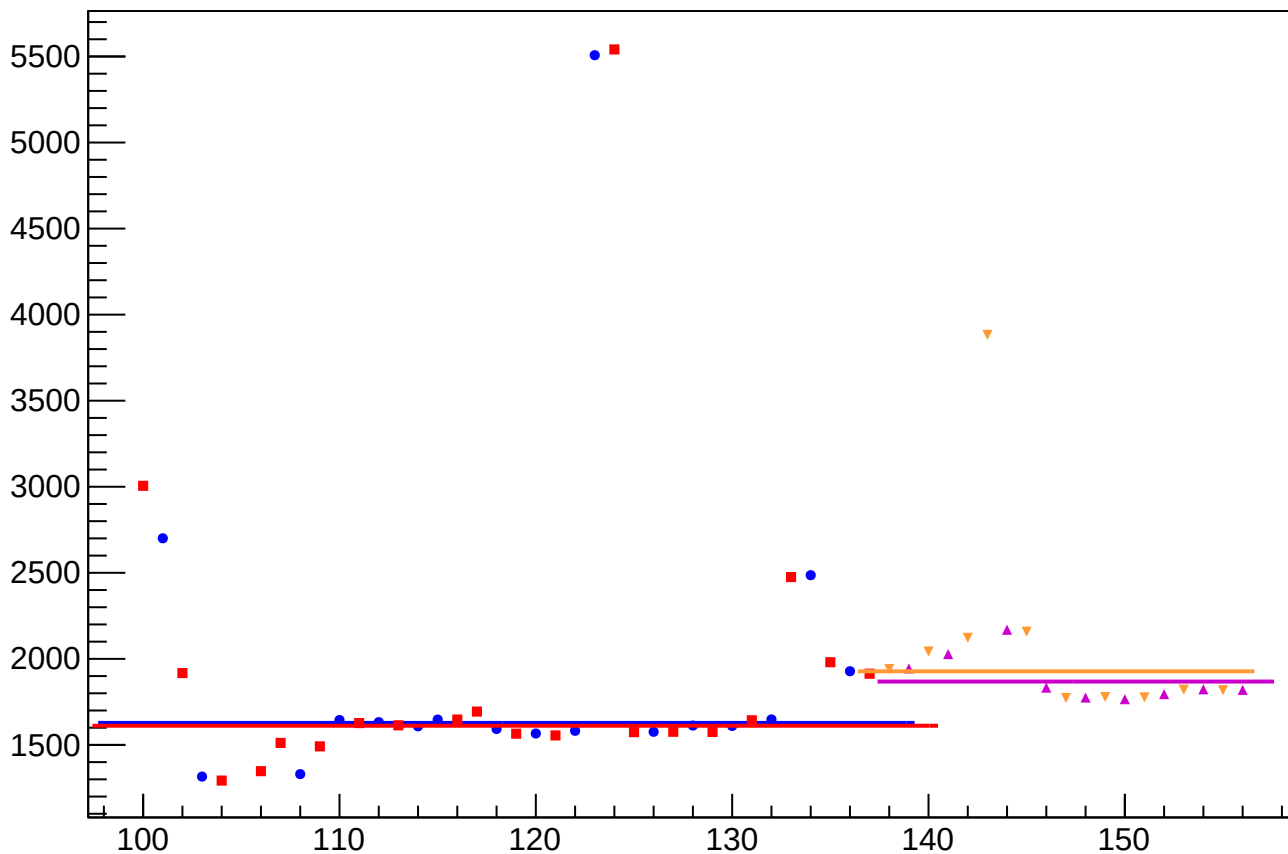
Left In: 245.244 $\pm$ 689.954 χ^2 /NDF: 6.5/8

511.114 $\pm$ 480.604 χ^2 /NDF: 21.5/26

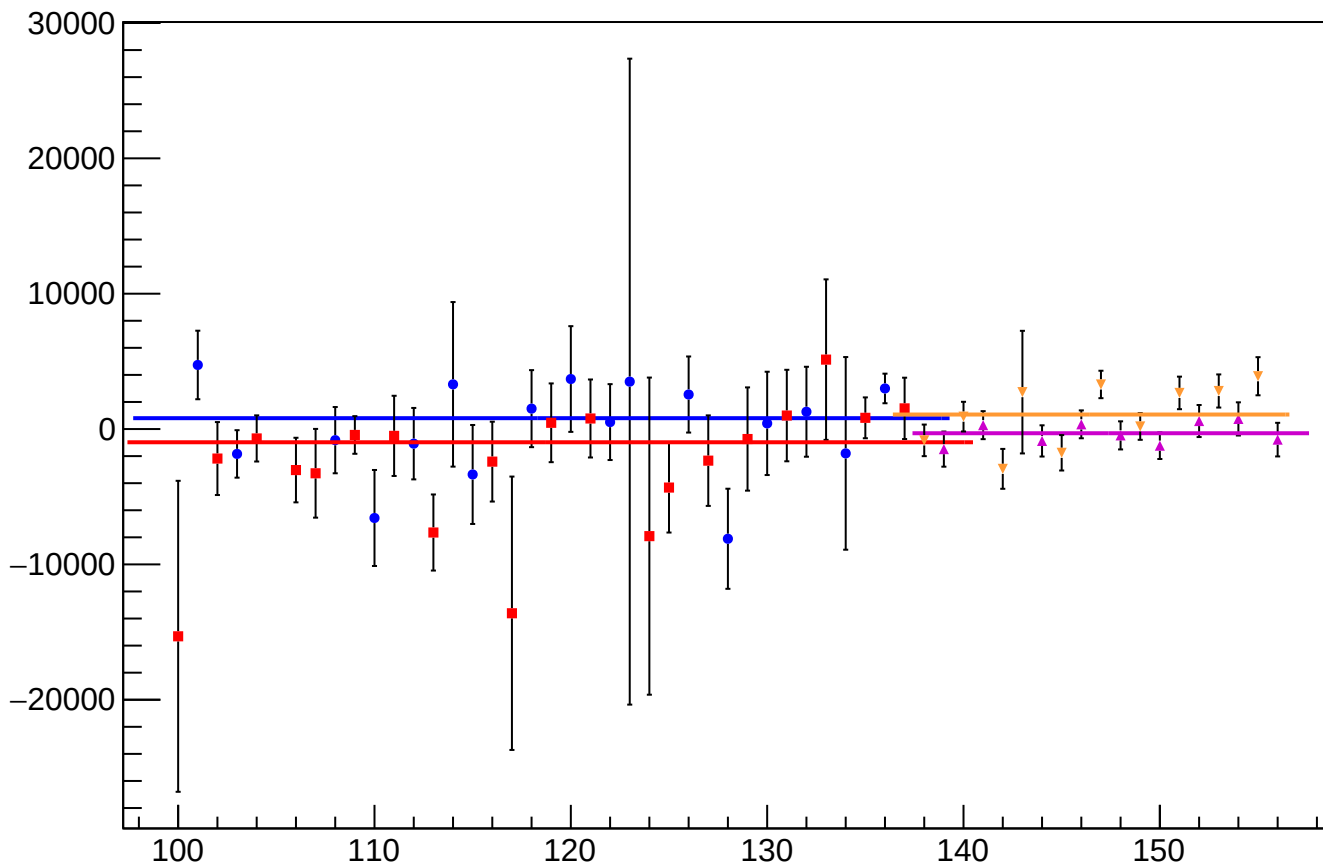
344.045 $\pm$ 333.018 χ^2 /NDF: 43.0/55

189.747 $\pm$ 461.871 χ^2 /NDF: 21.2/28

reg_asym_at2_dd_rms vs Slug, Sign Corrected



asym_at2_dd_correction_mean vs Slug, Sign Corrected



Right In: 803.048 $\pm$ 631.676 χ^2 /NDF: 22.4/16

Left Out: 1072.794 $\pm$ 391.637 χ^2 /NDF: 28.3/9

Right Out: -976.725 $\pm$ 588.724 χ^2 /NDF: 16.8/19

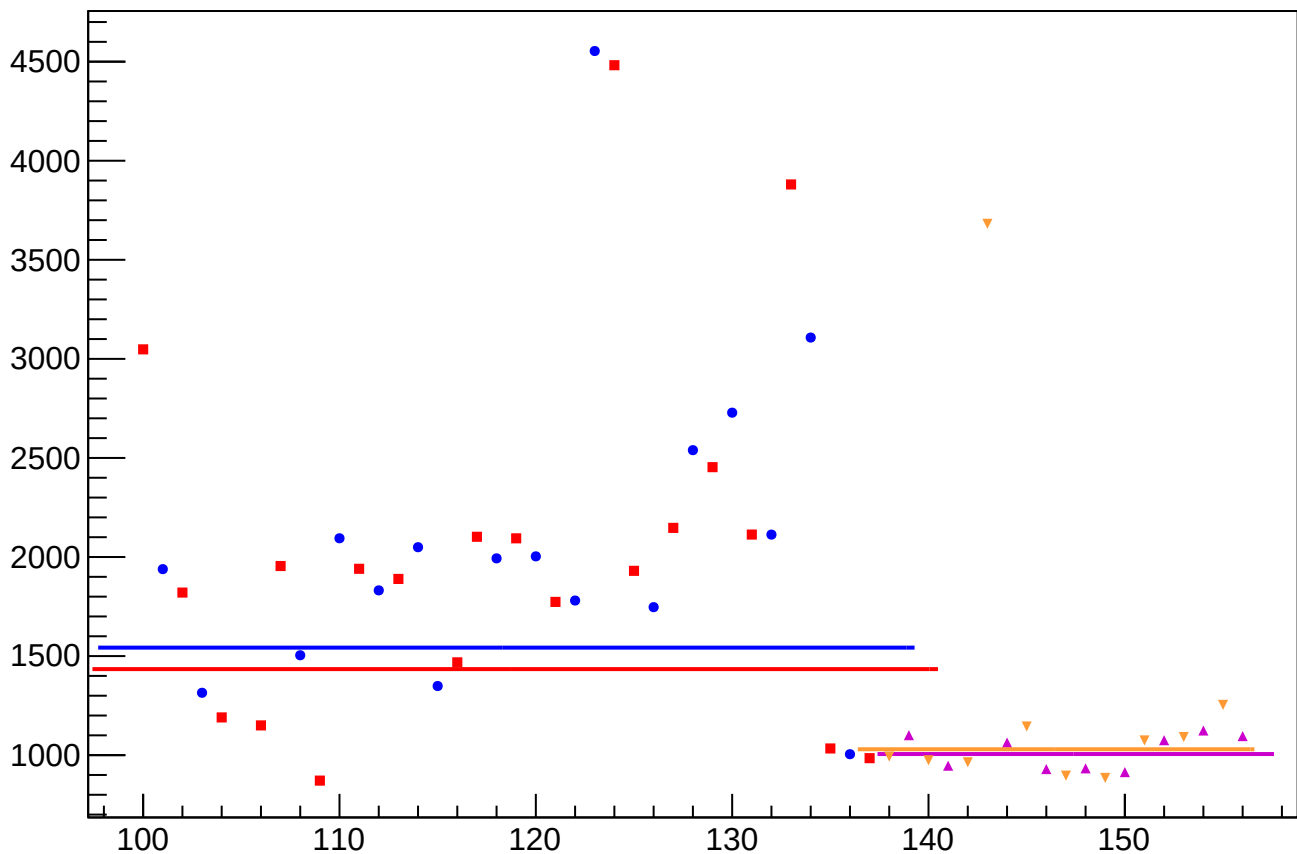
Left In: -309.466 $\pm$ 372.447 χ^2 /NDF: 4.2/8

997.896 $\pm$ 332.854 χ^2 /NDF: 50.9/26

207.006 $\pm$ 228.694 χ^2 /NDF: 83.5/55

-500.189 $\pm$ 314.750 χ^2 /NDF: 21.9/28

asym_at2_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1029.753 $\pm$ 0.277 χ^2 /NDF: 847902.4/9

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

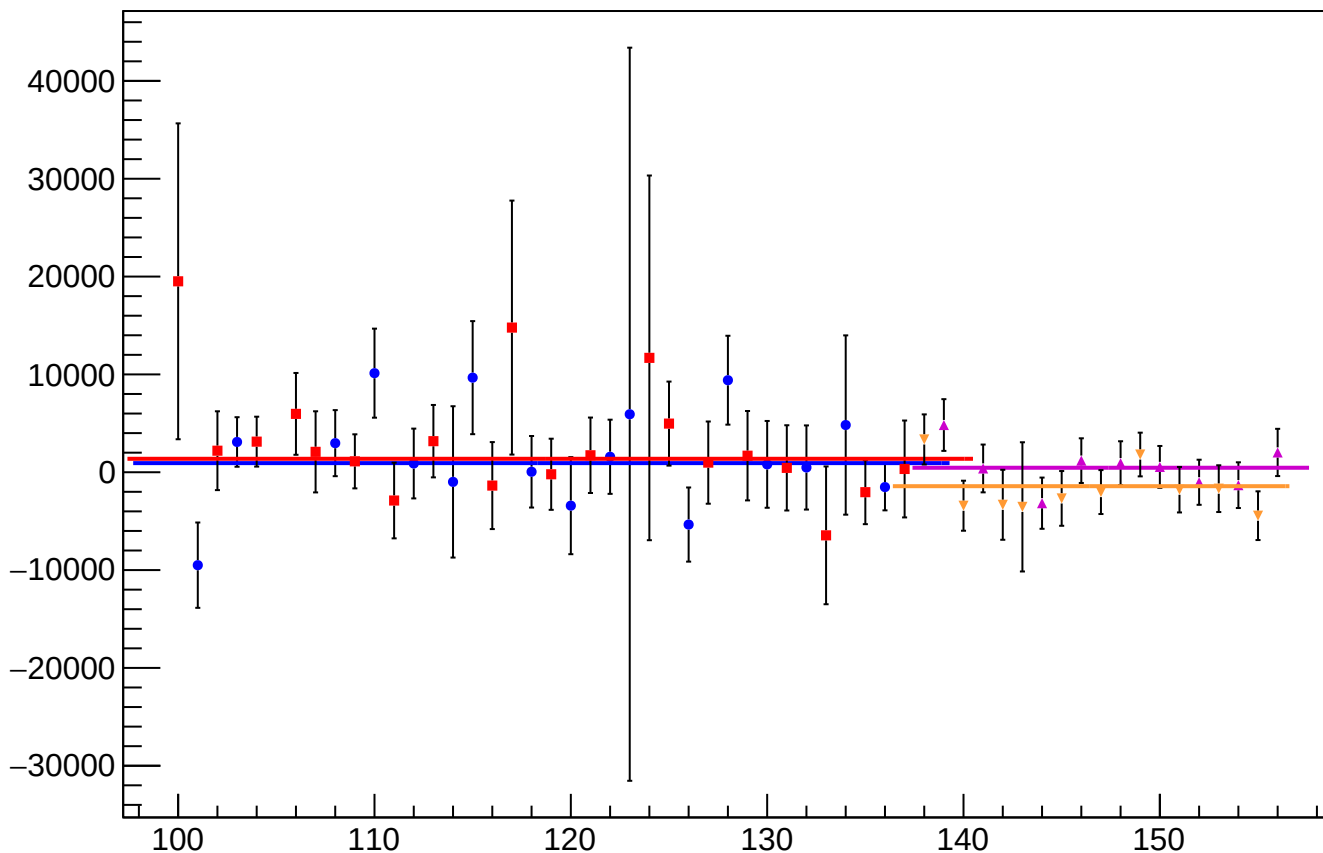
Left In: 1005.648 $\pm$ 0.263 χ^2 /NDF: 96346.7/8

1172.181 $\pm$ 0.235 χ^2 /NDF: 3088499.5/26

1148.945 $\pm$ 0.162 χ^2 /NDF: 5793075.4/55

1128.167 $\pm$ 0.223 χ^2 /NDF: 2686113.3/28

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 932.818 ± 967.941 χ^2/NDF : 21.6/16

Left Out: -1425.314 ± 829.054 χ^2/NDF : 8.4/9

Right Out: 1375.966 ± 923.072 χ^2/NDF : 9.6/19

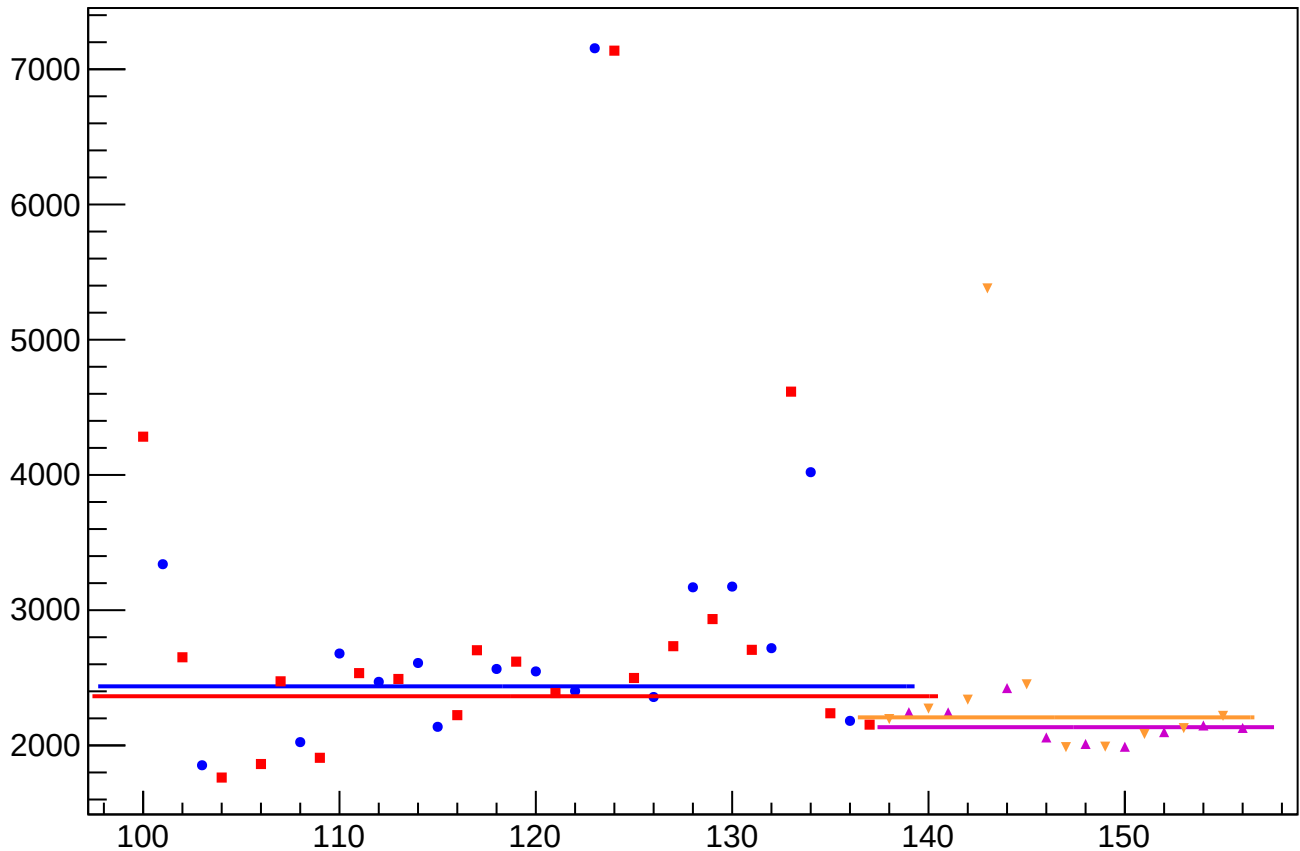
Left In: 459.171 ± 788.180 χ^2/NDF : 6.2/8

-427.422 ± 629.661 χ^2/NDF : 33.4/26

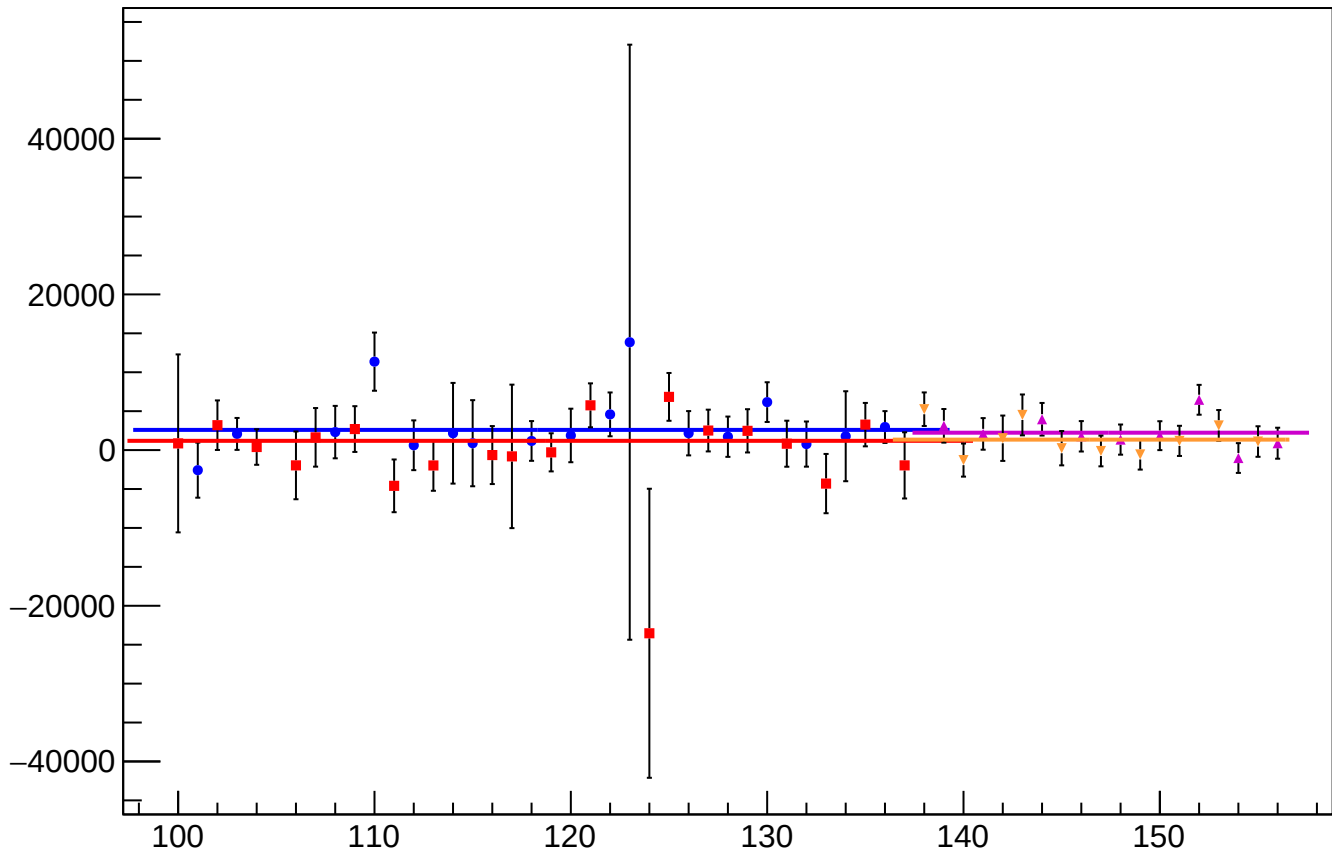
240.490 ± 434.144 χ^2/NDF : 51.9/55

845.747 ± 599.400 χ^2/NDF : 16.3/28

asym_at2_dd_rms vs Slug, Sign Corrected



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

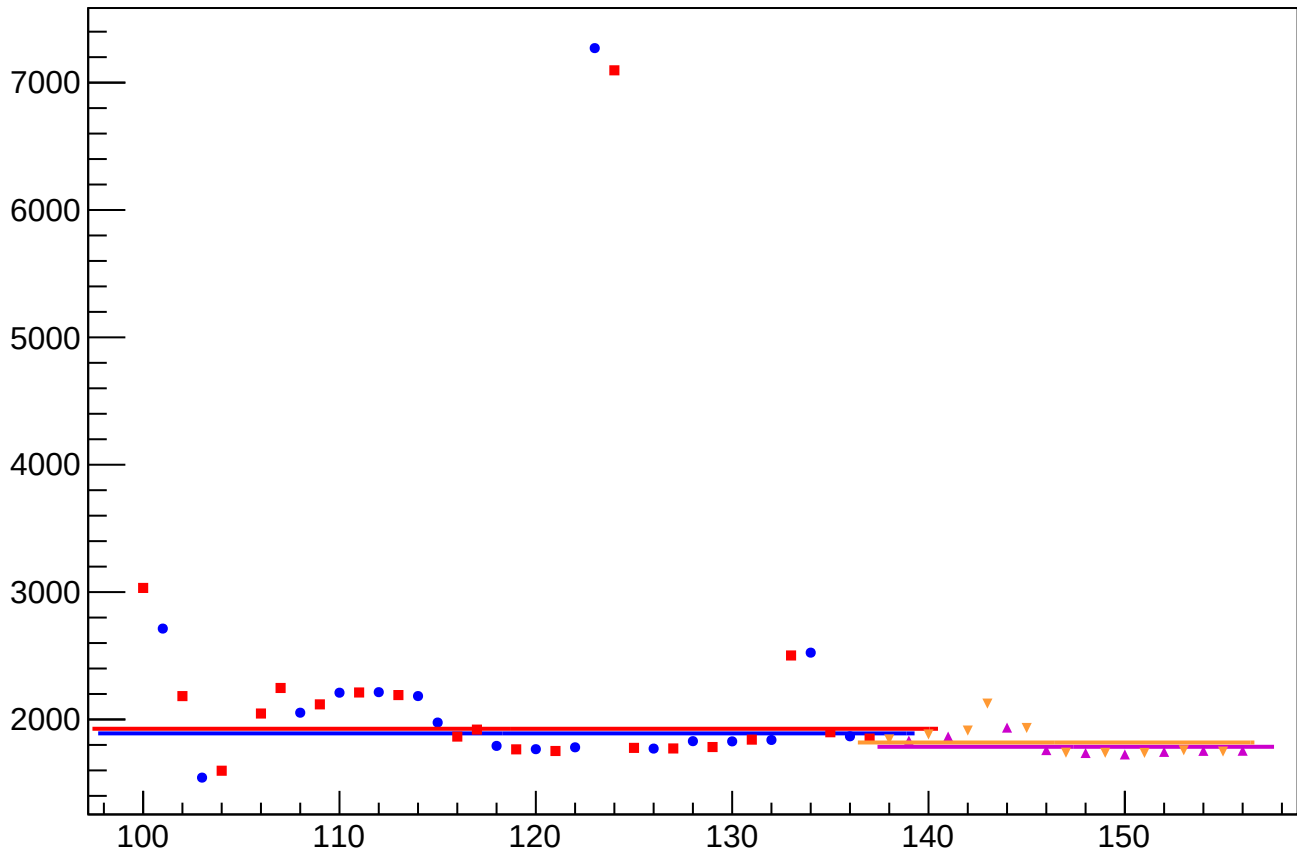
Left In: 2233.728 $\pm$ 659.128 χ^2 /NDF: 9.4/8

1907.857 $\pm$ 498.874 χ^2 /NDF: 22.1/26

1837.850 $\pm$ 350.078 χ^2 /NDF: 49.9/55

1769.930 $\pm$ 491.380 χ^2 /NDF: 27.8/28

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1890.721+/-0.525 χ^2/NDF : 288944.9/16

Left Out: 1819.157+/-0.476 χ^2/NDF : 51338.1/9

Right Out: 1926.906+/-0.520 χ^2/NDF : 362255.6/19

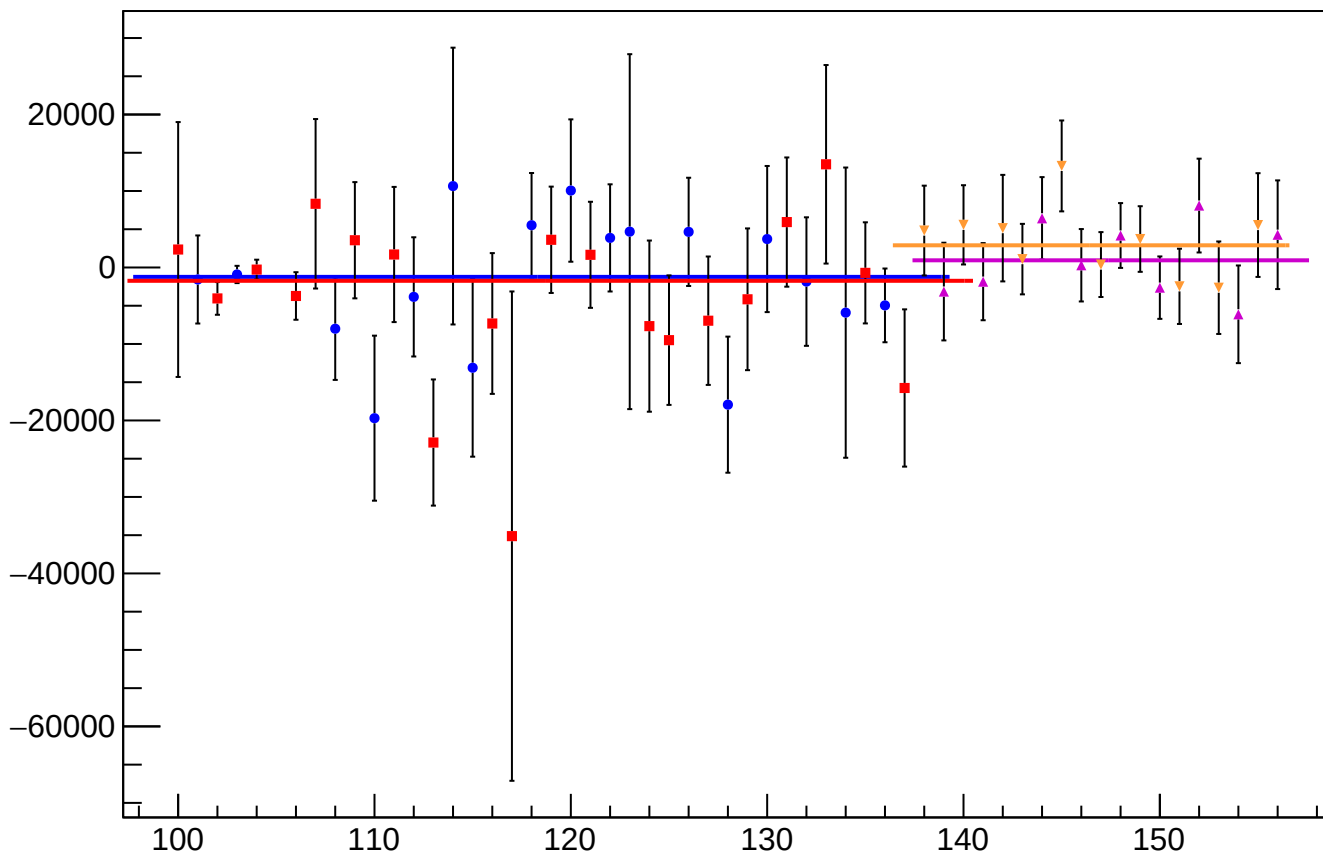
Left In: 1785.383+/-0.466 χ^2/NDF : 20095.2/8

1851.420+/-0.353 χ^2/NDF : 350472.5/26

1849.866+/-0.247 χ^2/NDF : 773891.8/55

1848.361+/-0.347 χ^2/NDF : 423381.1/28

asym_atl1r2_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 2900.268 $\pm$ 1660.679 χ^2 /NDF: 6.3/9

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

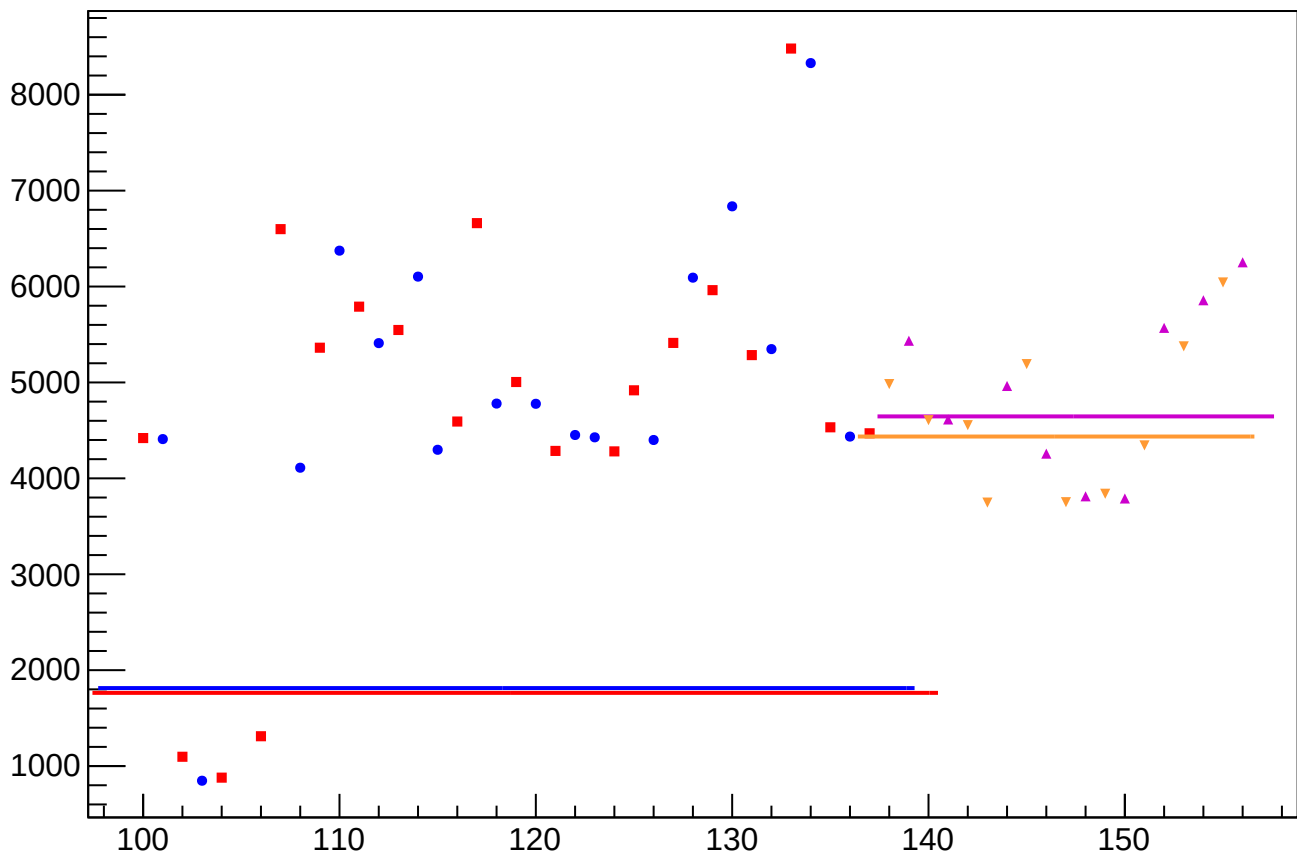
Left In: 937.928 $\pm$ 1741.736 χ^2 /NDF: 5.9/8

-153.465 $\pm$ 846.934 χ^2 /NDF: 24.6/26

-655.471 $\pm$ 592.071 χ^2 /NDF: 52.0/55

-1135.300 $\pm$ 828.017 χ^2 /NDF: 26.7/28

asym_atl1r2_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 4436.053+/-1.174 χ^2/NDF : 349173.9/9

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

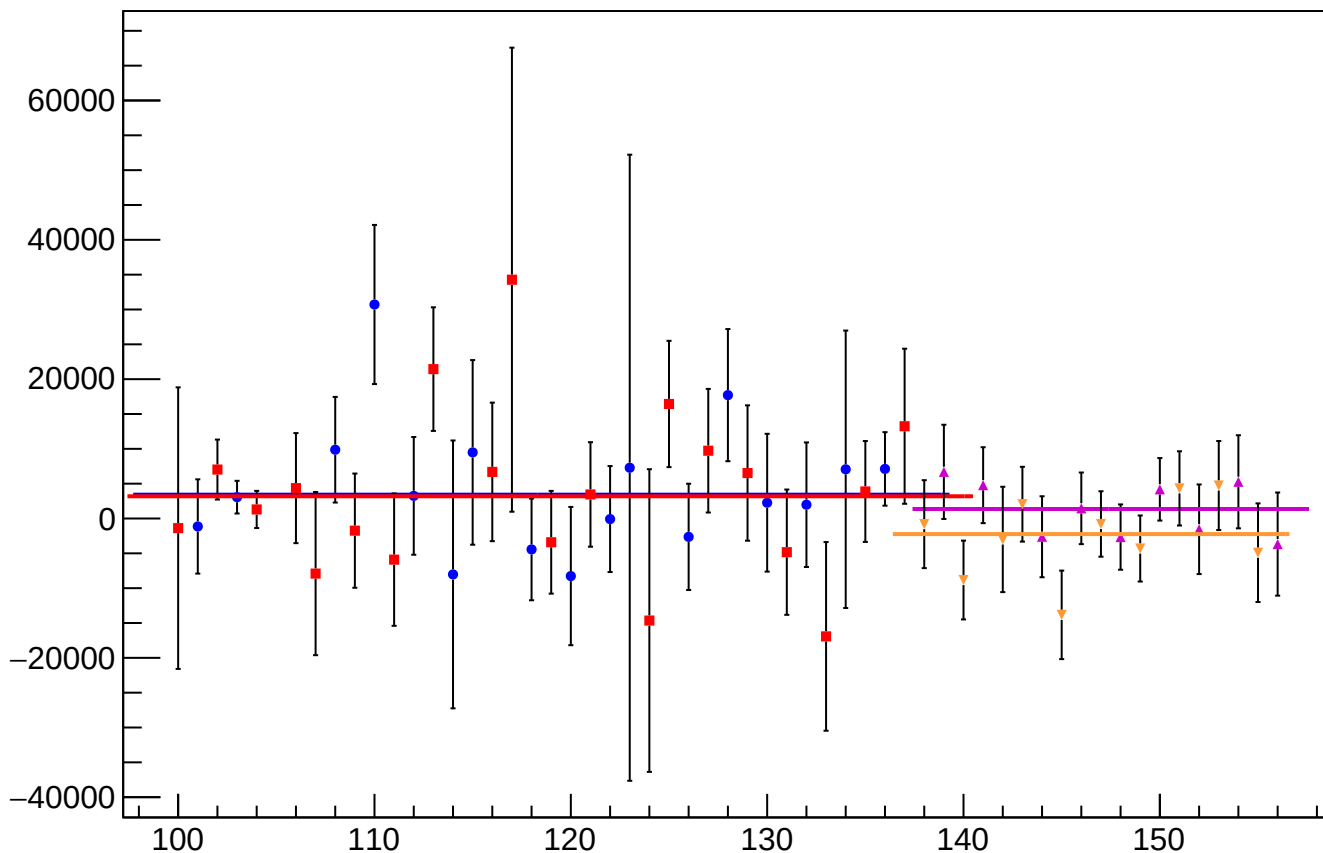
Left In: 4645.890+/-1.232 χ^2/NDF : 435952.8/8

2495.381+/-0.599 χ^2/NDF : 10489562.2/26

2454.198+/-0.419 χ^2/NDF : 21534573.4/5

2414.833+/-0.585 χ^2/NDF : 11035761.9/28

asym_atl1r2_avg_mean vs Slug, Sign Corrected



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

Left Out: -2237.040 $\pm$ 1817.119 χ^2 /NDF: 8.5/9

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

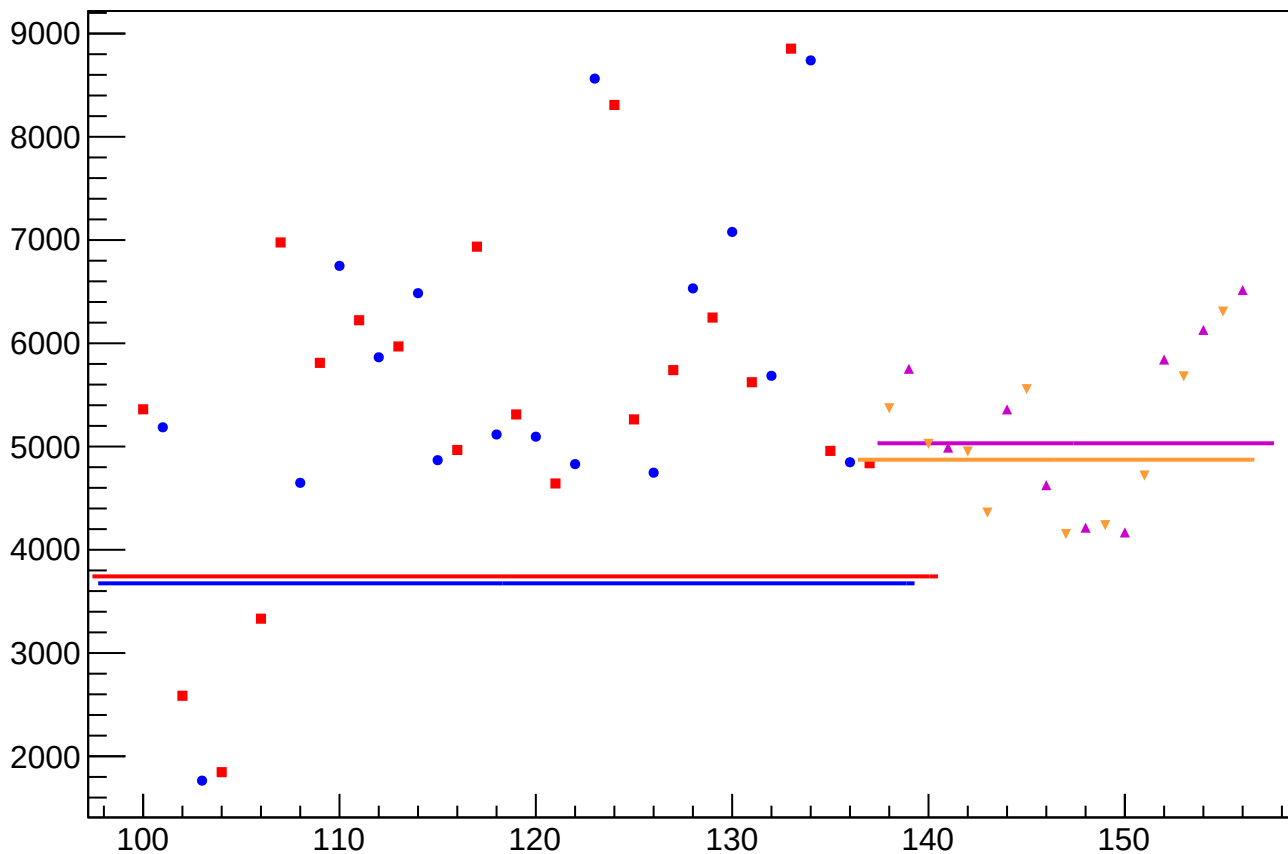
Left In: 1363.469 $\pm$ 1879.591 χ^2 /NDF: 3.6/8

938.586 $\pm$ 1203.650 χ^2 /NDF: 27.7/26

1669.400 $\pm$ 856.881 χ^2 /NDF: 49.5/55

2420.381 $\pm$ 1220.144 χ^2 /NDF: 21.1/28

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

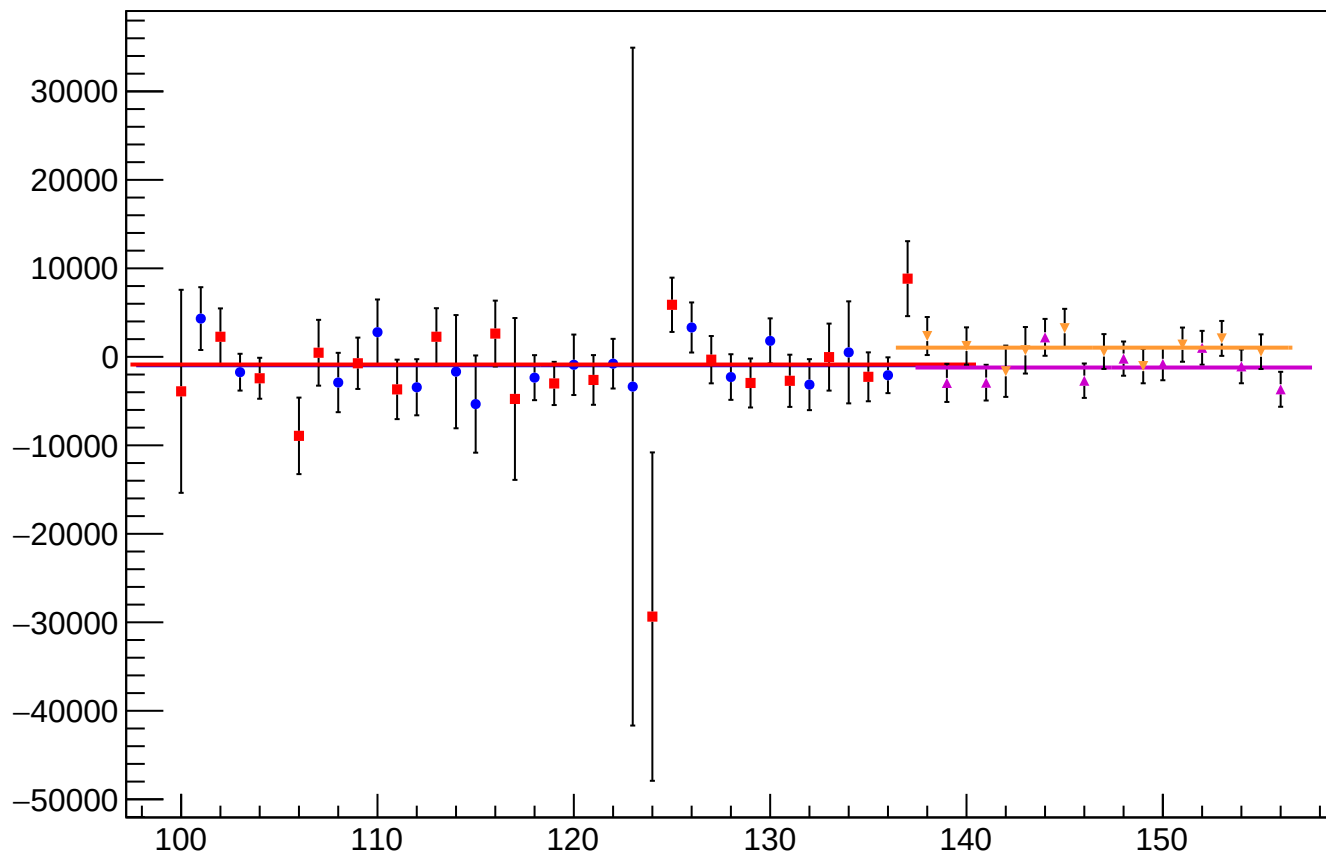
Left In: 5031.491 $\pm$ 1.329 χ^2 /NDF: 342979.9/8

4200.367 $\pm$ 0.851 χ^2 /NDF: 3516564.2/26

4240.434 $\pm$ 0.605 χ^2 /NDF: 7123978.4/55

4281.289 $\pm$ 0.859 χ^2 /NDF: 3602938.3/28

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

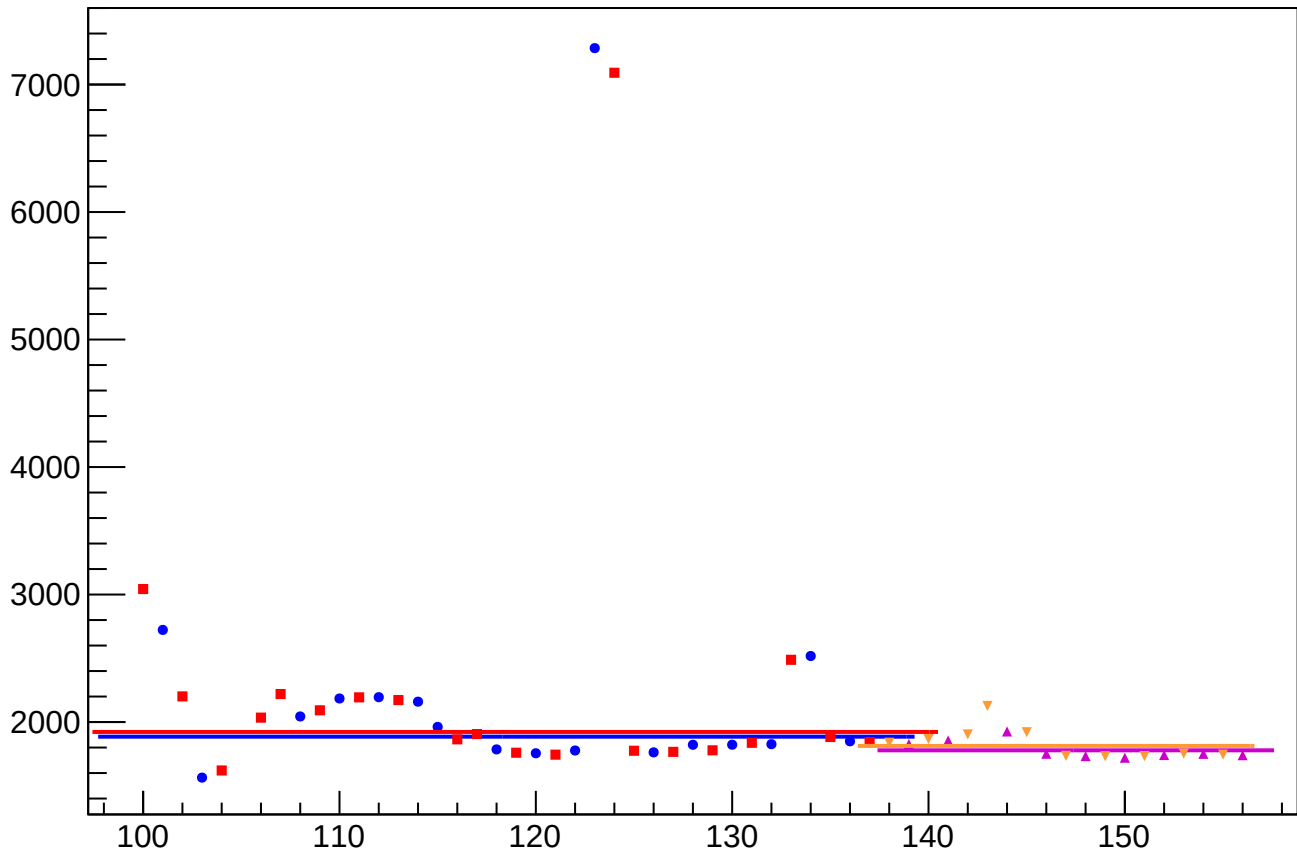
Left In: -1206.758 ± 656.493 $\chi^2/\text{NDF}: 7.9/8$

142.050 ± 497.201 $\chi^2/\text{NDF}: 17.7/26$

-466.542 ± 348.879 $\chi^2/\text{NDF}: 51.4/55$

-1056.822 ± 489.664 $\chi^2/\text{NDF}: 30.7/28$

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1885.360 $\pm$ 0.524 χ^2 /NDF: 280429.0/16

Left Out: 1812.755 $\pm$ 0.474 χ^2 /NDF: 51038.6/9

Right Out: 1922.430 $\pm$ 0.519 χ^2 /NDF: 351518.8/19

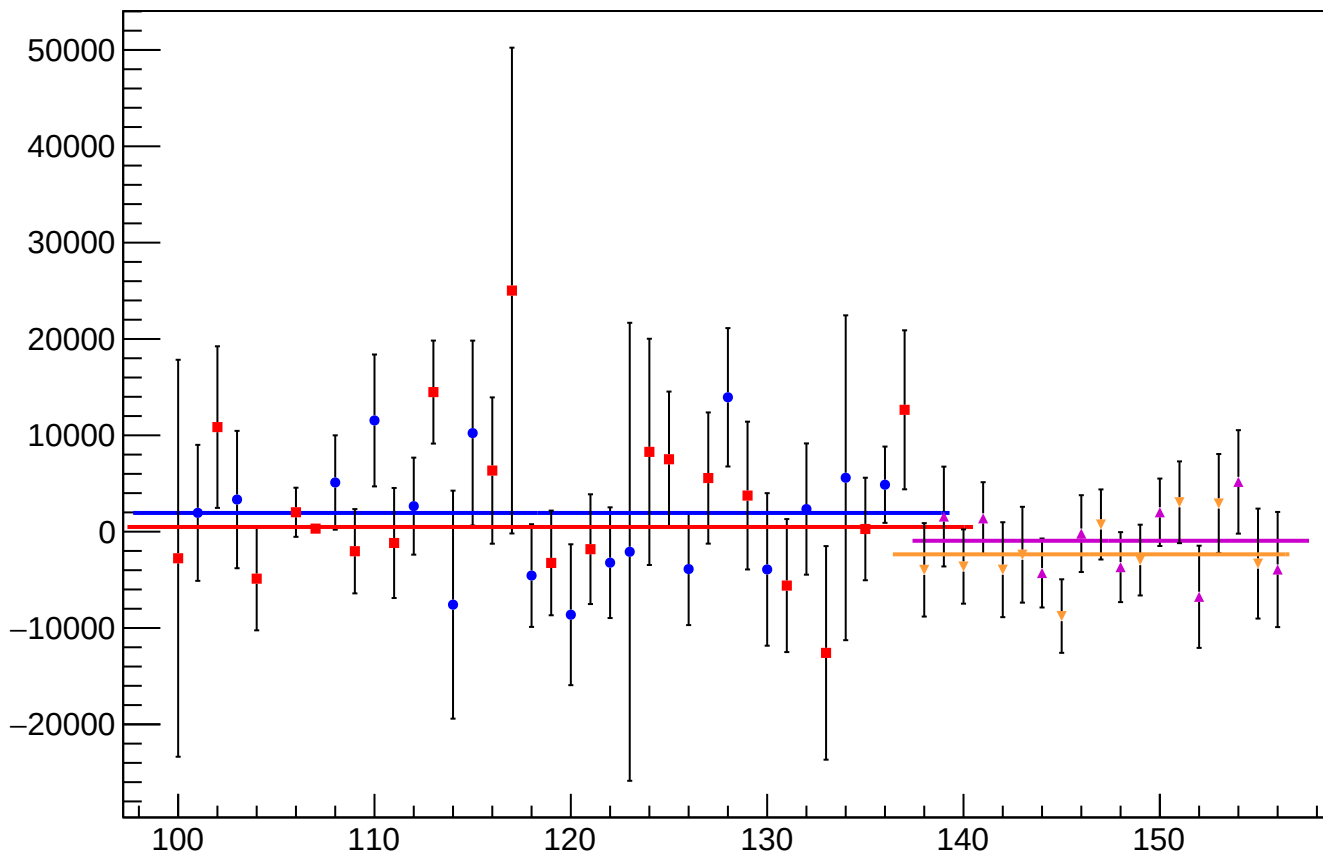
Left In: 1778.298 $\pm$ 0.464 χ^2 /NDF: 19401.7/8

1845.473 $\pm$ 0.352 χ^2 /NDF: 342025.6/26

1843.889 $\pm$ 0.247 χ^2 /NDF: 755830.7/55

1842.354 $\pm$ 0.346 χ^2 /NDF: 413765.1/28

asym_atl1r2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1943.178+/-1581.060 χ^2/NDF : 13.2/16

Left Out: -2351.786+/-1368.547 χ^2/NDF : 6.6/9

Right Out: 486.774+/-453.611 χ^2/NDF : 19.0/19

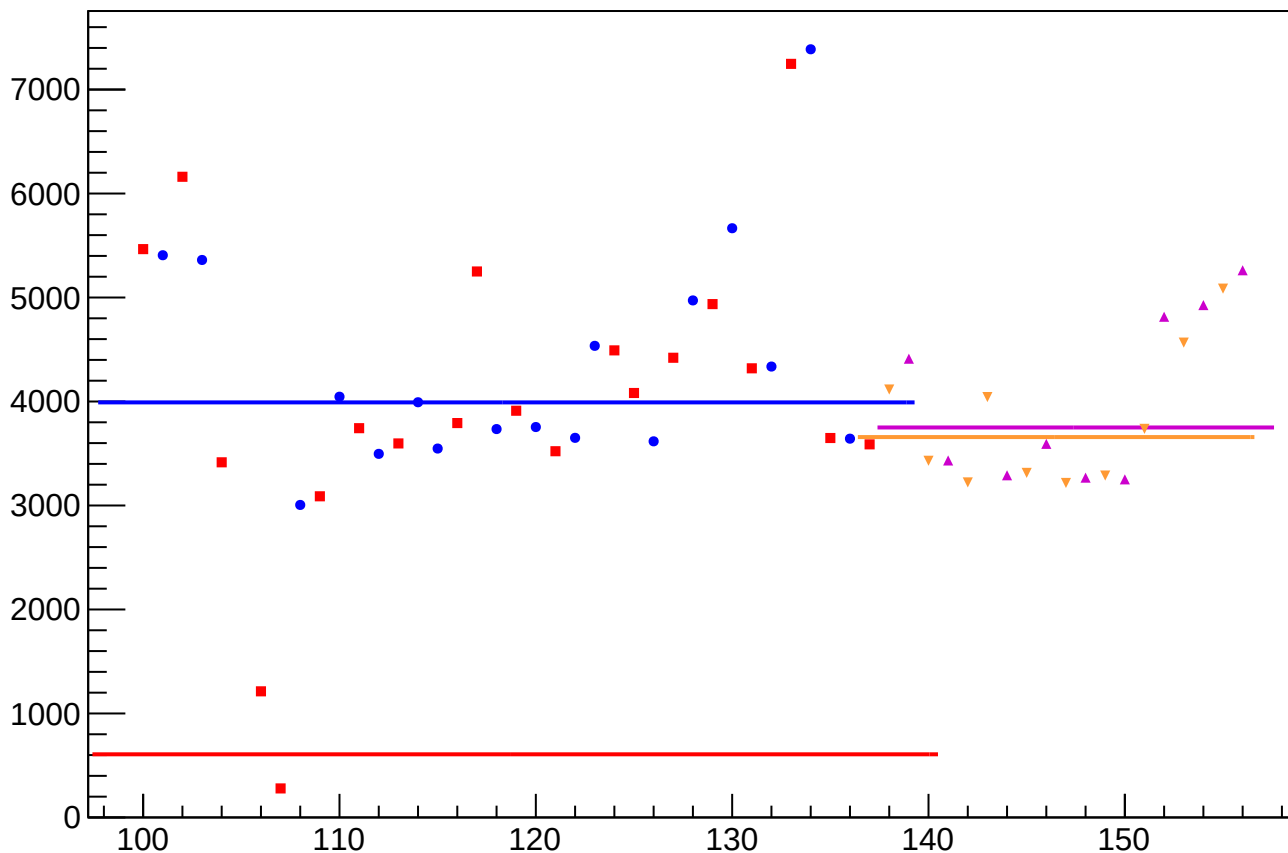
Left In: -945.389+/-1407.143 χ^2/NDF : 5.6/8

-512.149+/-1034.748 χ^2/NDF : 24.0/26

223.834+/-398.442 χ^2/NDF : 50.1/55

351.957+/-431.733 χ^2/NDF : 25.5/28

asym_atl1r2_dd_correction_rms vs Slug, Sign Corrected



Right In: 3991.416+/-1.118 χ^2/NDF : 510782.7/16

Left Out: 3657.930+/-0.968 χ^2/NDF : 306837.4/9

Right Out: 607.234+/-0.321 χ^2/NDF : 10314440.1/19

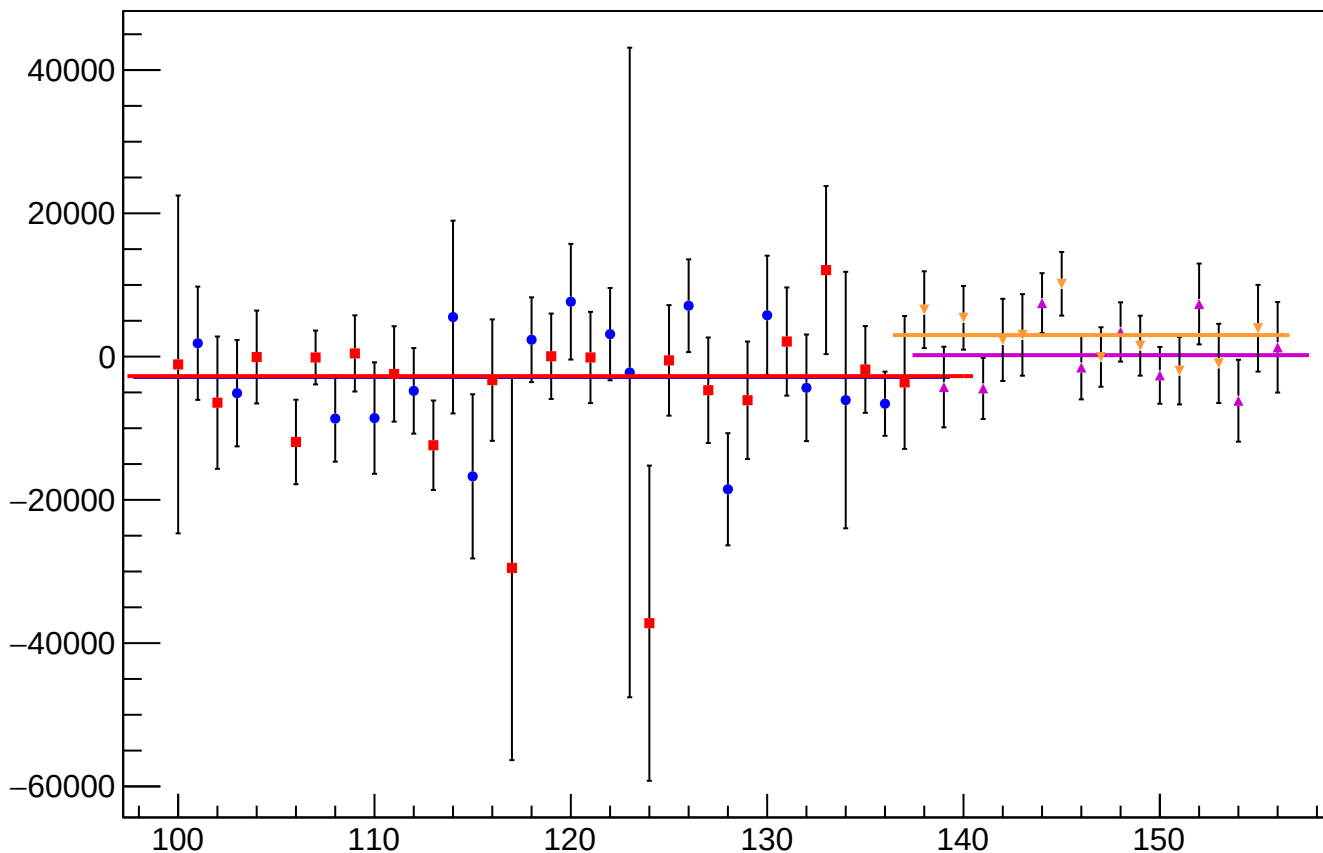
Left In: 3750.254+/-0.995 χ^2/NDF : 463652.5/8

3800.770+/-0.732 χ^2/NDF : 868487.6/26

1332.749+/-0.282 χ^2/NDF : 34043877.4/5

903.104+/-0.305 χ^2/NDF : 19816893.1/28

asym_atl1r2_dd_mean vs Slug, Sign Corrected



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

Left Out: 3001.927 ± 1547.644 χ^2/NDF : 5.7/9

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

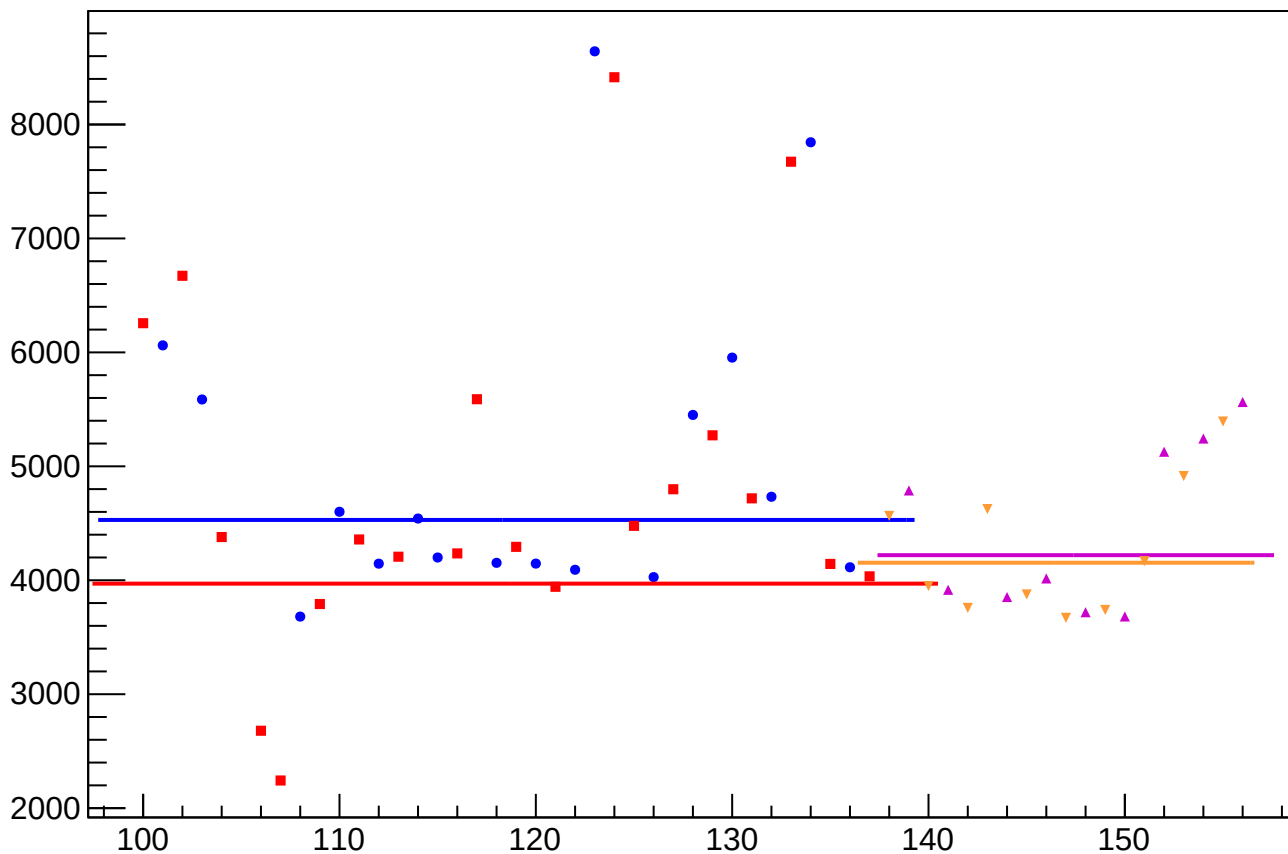
Left In: 203.824 ± 1574.983 χ^2/NDF : 9.0/8

496.740 ± 1169.615 χ^2/NDF : 27.2/26

-428.064 ± 806.193 χ^2/NDF : 51.3/55

-1265.153 ± 1112.766 χ^2/NDF : 22.9/28

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

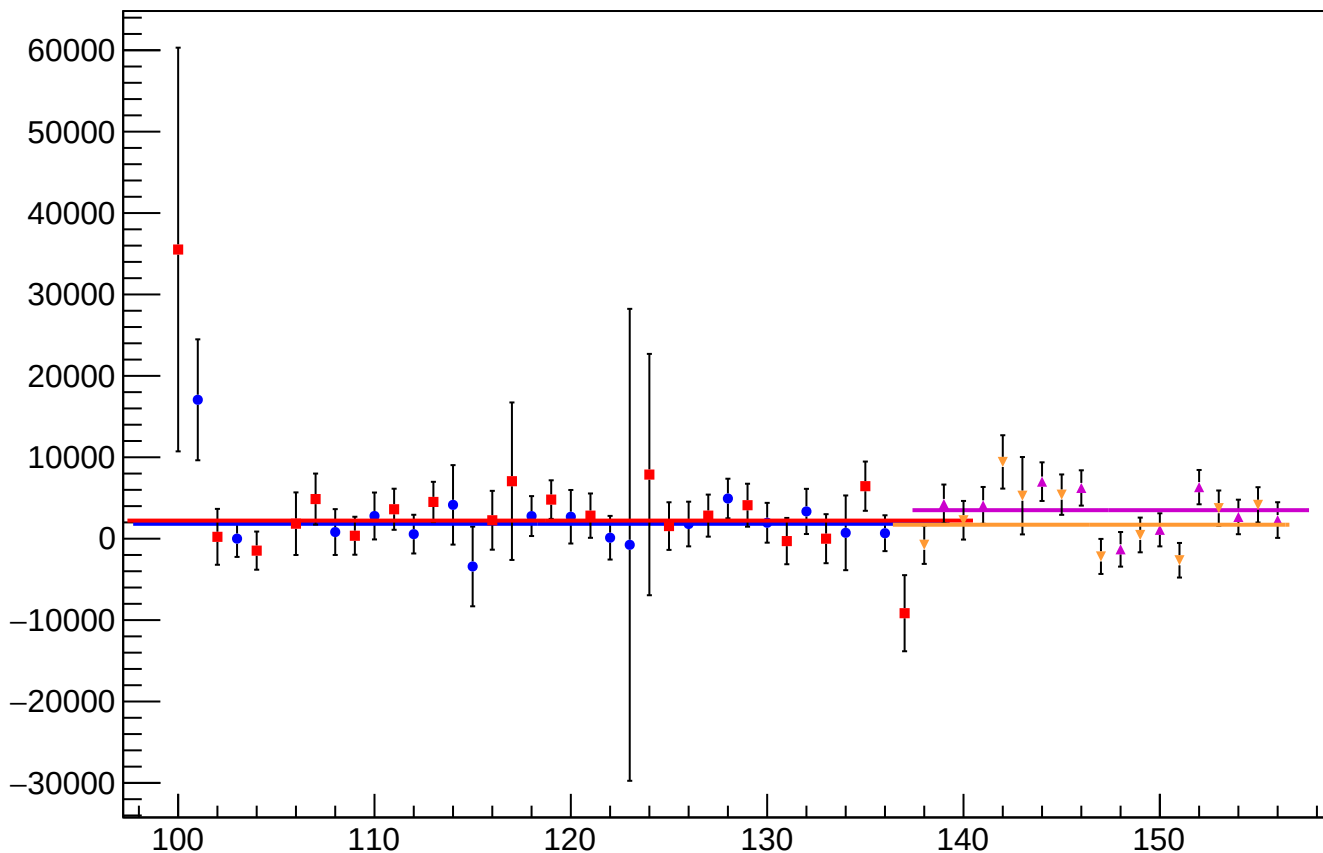
Left In: 4220.208 $\pm$ 1.114 χ^2/NDF : 322755.3/8

4314.986 $\pm$ 0.827 χ^2/NDF : 655336.7/26

4198.780 $\pm$ 0.569 χ^2/NDF : 2188674.4/55

4094.269 $\pm$ 0.784 χ^2/NDF : 1495839.6/28

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



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

Left Out: 1714.567 $\pm$ 757.743 χ^2 /NDF:19.5/9

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

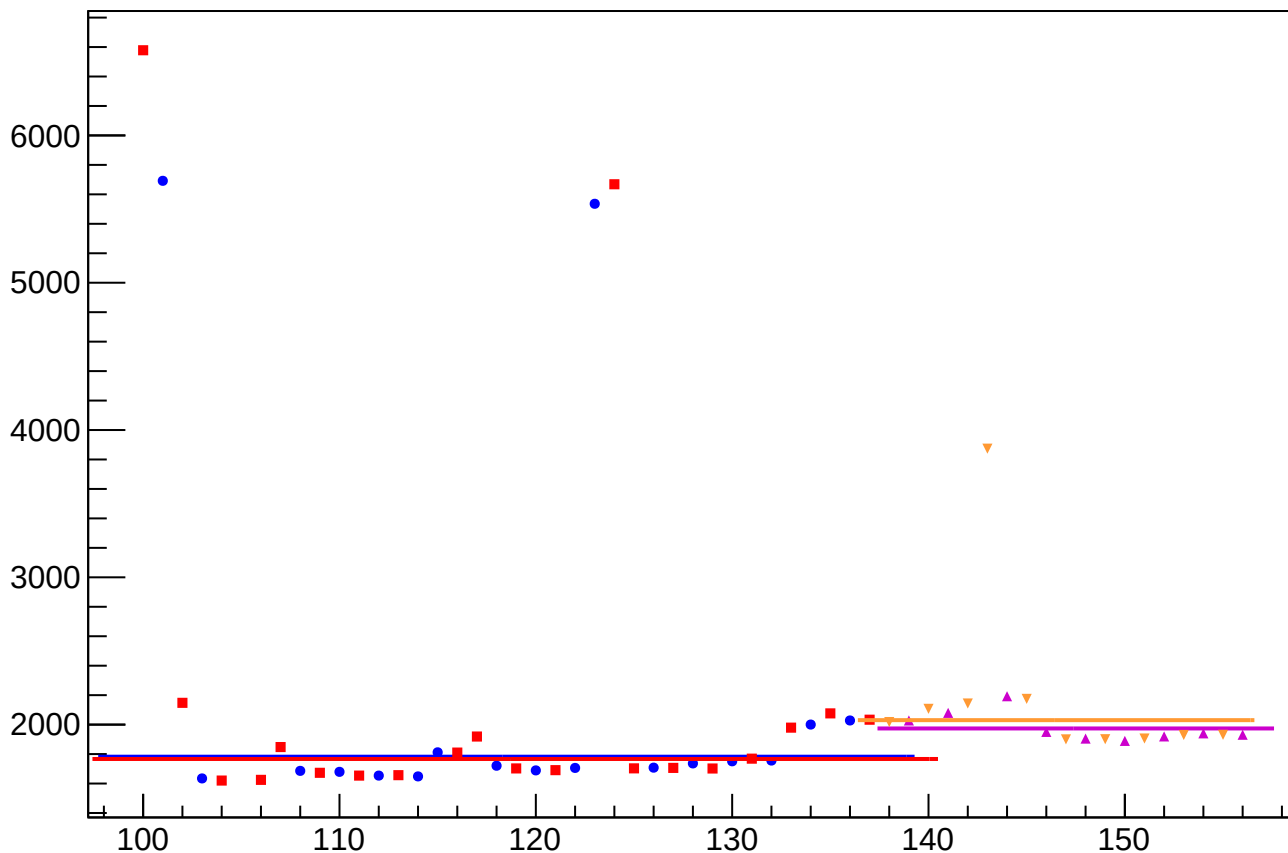
Left In: 3502.482 $\pm$ 729.206 χ^2 /NDF:12.7/8

1775.981 $\pm$ 518.620 χ^2 /NDF: 29.1/26

2318.886 $\pm$ 359.318 χ^2 /NDF: 64.2/55

2820.069 $\pm$ 498.294 χ^2 /NDF: 33.0/28

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1782.137+/-0.503 χ^2/NDF : 645188.8/16

Left Out: 2030.284+/-0.536 χ^2/NDF : 342185.6/9

Right Out: 1766.719+/-0.479 χ^2/NDF : 307297.1/19

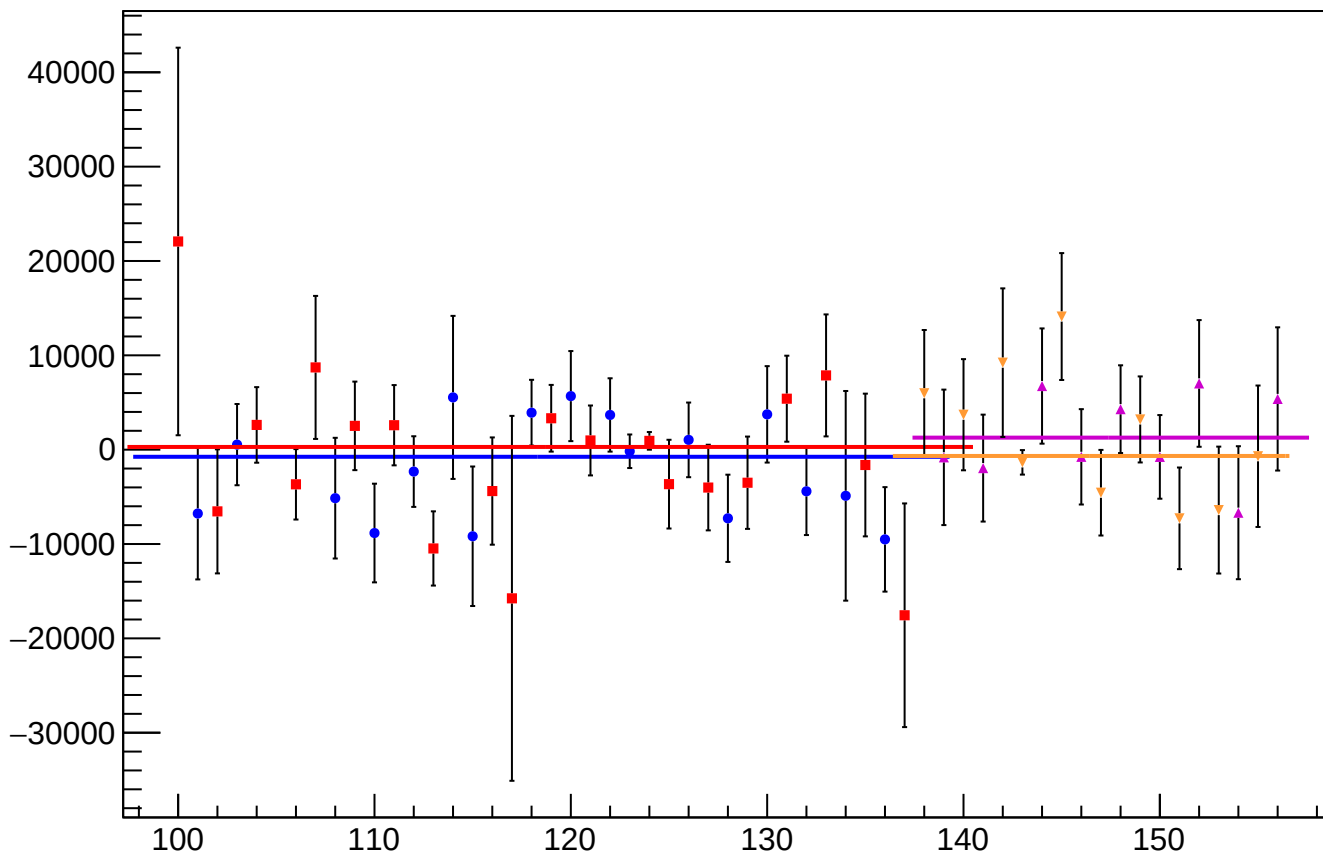
Left In: 1973.889+/-0.516 χ^2/NDF : 30757.2/8

1898.379+/-0.367 χ^2/NDF : 1101387.6/26

1879.789+/-0.254 χ^2/NDF : 1530965.5/55

1862.753+/-0.351 χ^2/NDF : 424653.2/28

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

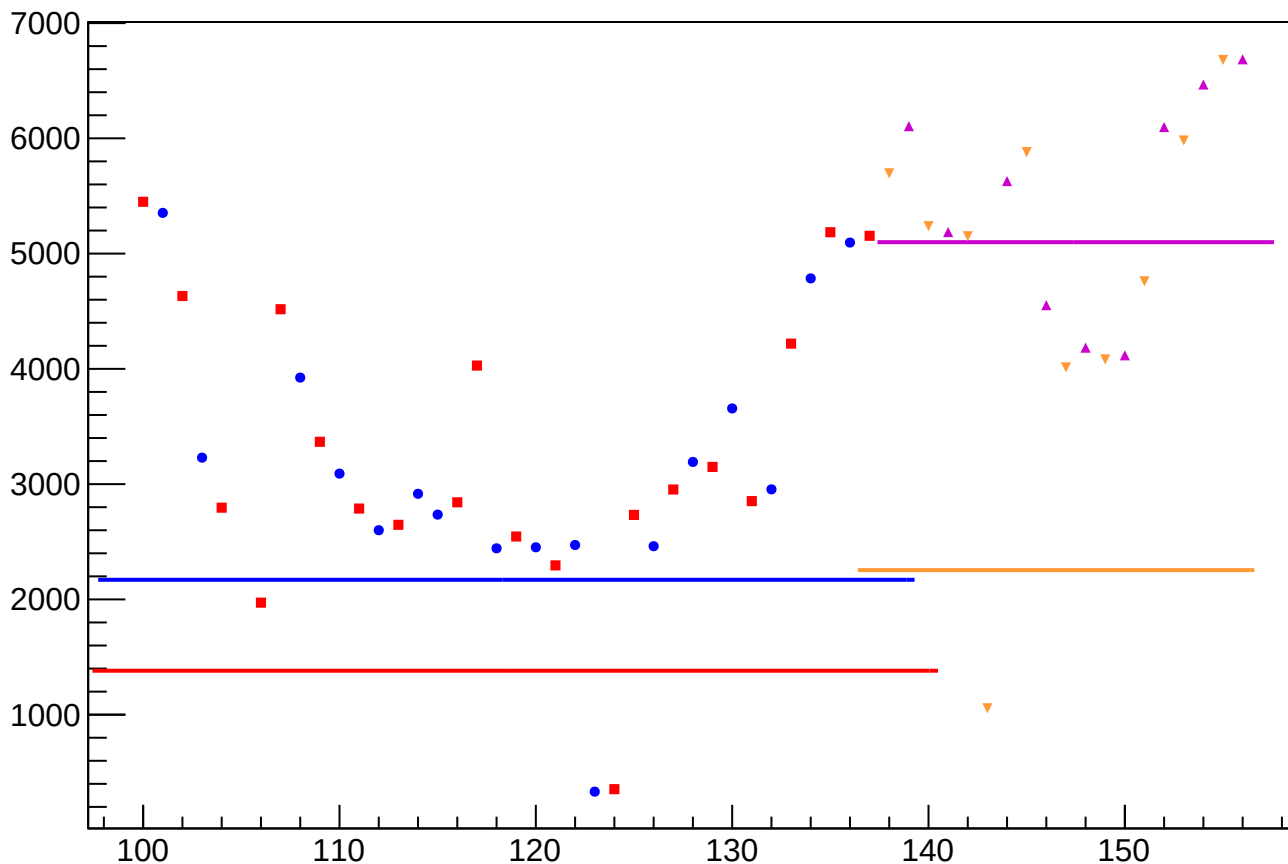
Left In: 1276.182+/-1912.893 χ^2/NDF : 4.3/8

-712.845+/-737.975 χ^2/NDF : 28.9/26

-102.156+/-499.130 χ^2/NDF : 57.3/55

412.747+/-677.633 χ^2/NDF : 27.2/28

asym_atr1l2_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 2254.170 $\pm$ 0.766 χ^2 /NDF: 5961572.7/9

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

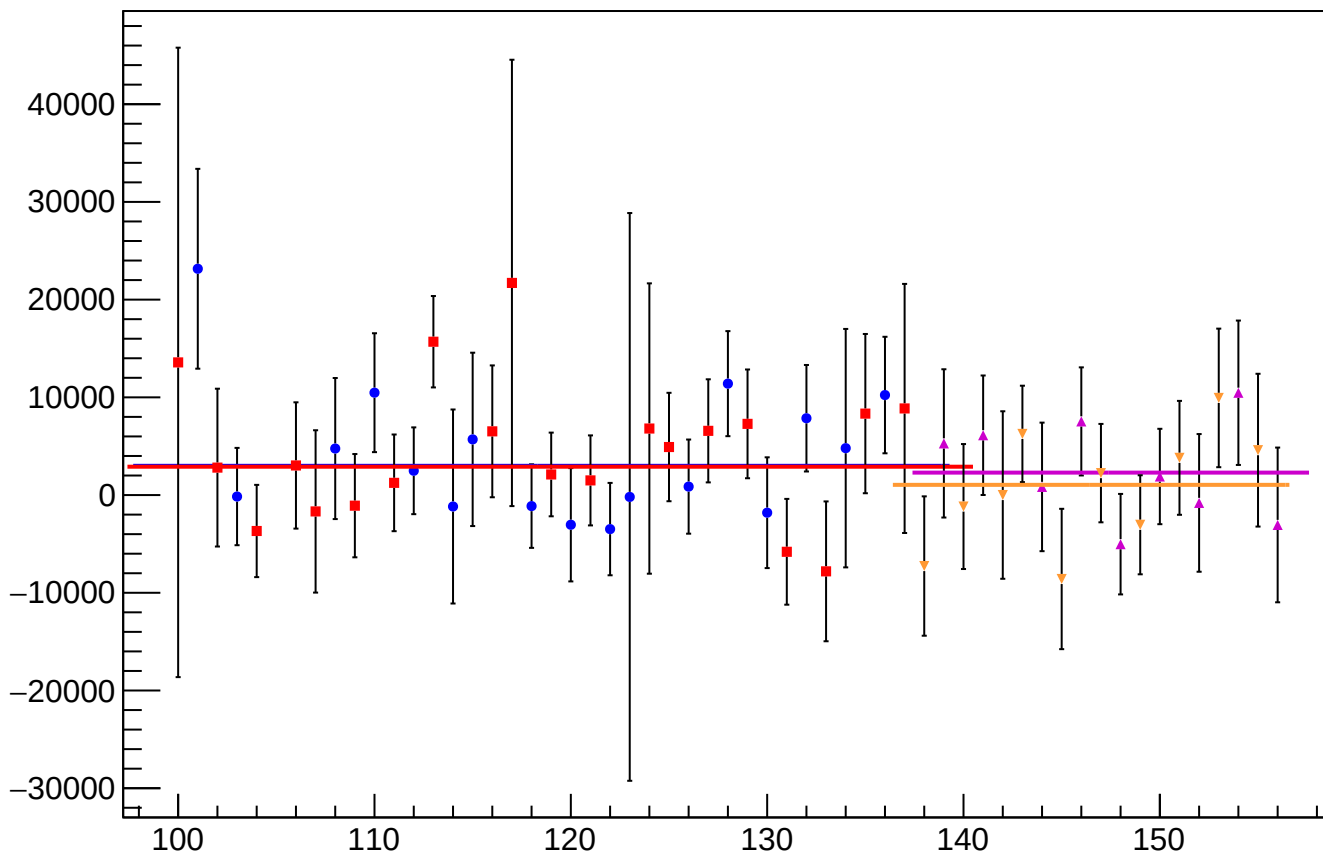
Left In: 5099.272 $\pm$ 1.353 χ^2 /NDF: 460637.0/8

2209.232 $\pm$ 0.522 χ^2 /NDF: 9941732.8/26

2013.239 $\pm$ 0.353 χ^2 /NDF: 24154038.4/5

1847.987 $\pm$ 0.479 χ^2 /NDF: 13952296.3/28

asym_atr1l2_avg_mean vs Slug, Sign Corrected



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

Left Out: 1045.613 $\pm$ 1952.589 χ^2 /NDF: 7.1/9

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

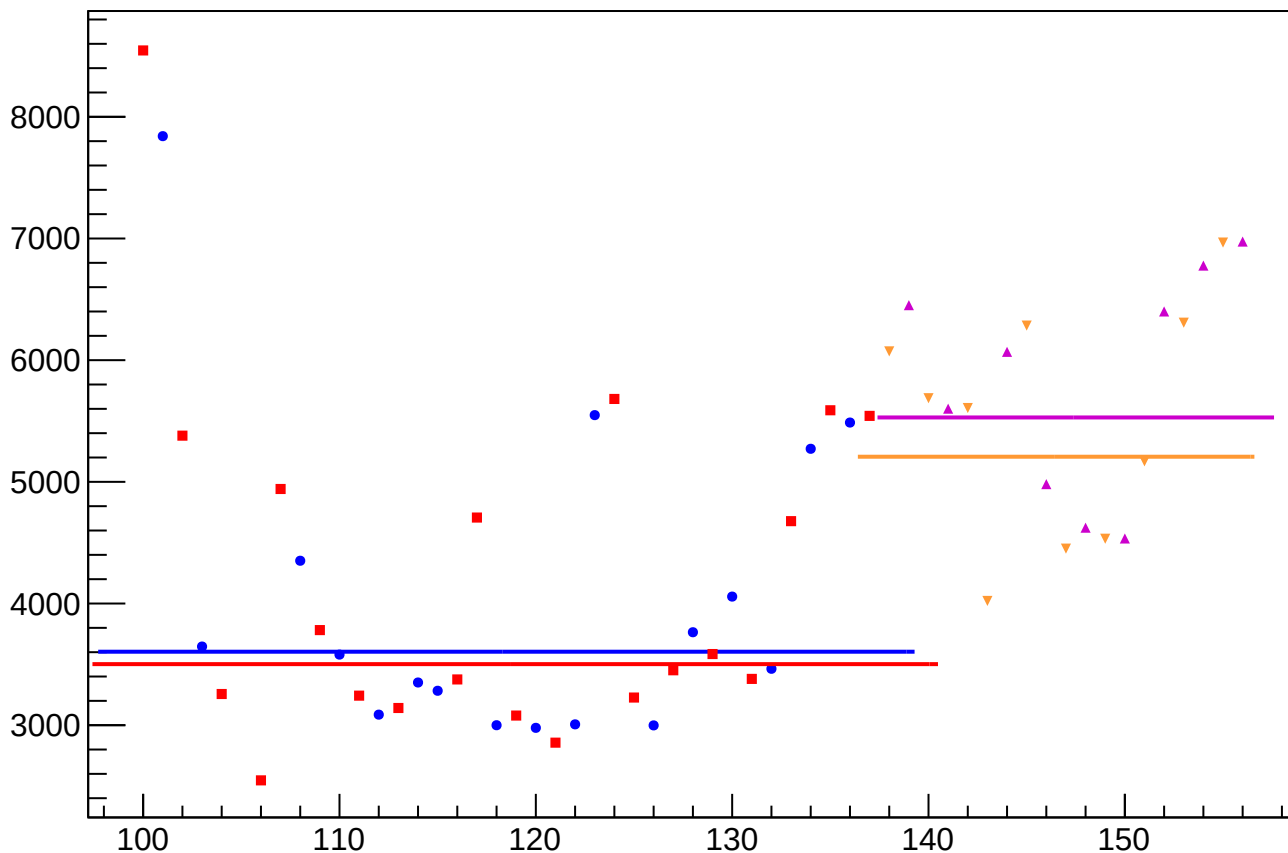
Left In: 2297.645 $\pm$ 2066.585 χ^2 /NDF: 5.4/8

2302.401 $\pm$ 1162.675 χ^2 /NDF: 23.5/26

2512.367 $\pm$ 816.064 χ^2 /NDF: 47.4/55

2716.244 $\pm$ 1145.689 χ^2 /NDF: 23.9/28

asym_atr1l2_avg_rms vs Slug, Sign Corrected



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

Left Out: 5206.511 +/- 1.381 χ^2/NDF : 435779.2/9

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

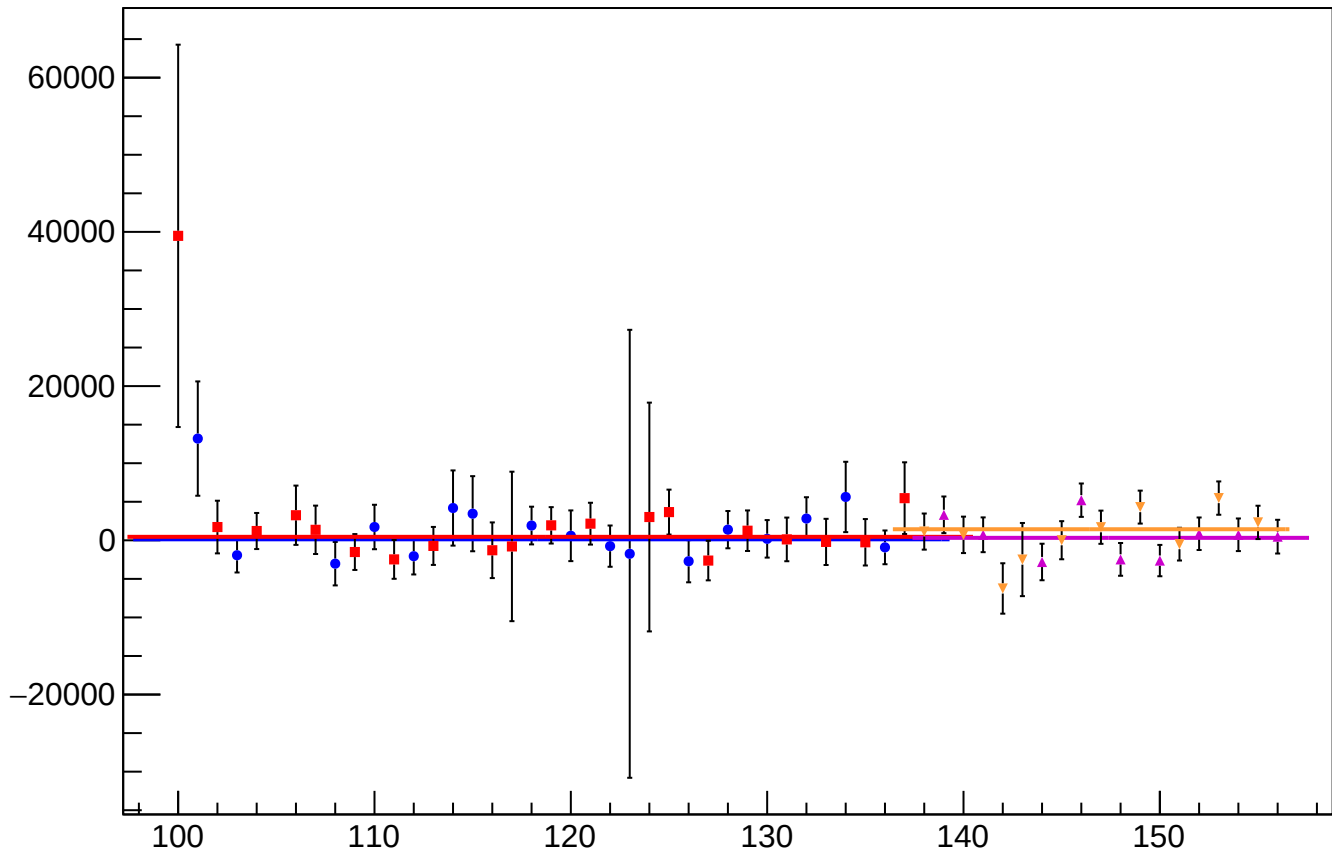
Left In: 5529.210 +/- 1.461 χ^2/NDF : 362433.0/8

4172.143 +/- 0.822 χ^2/NDF : 2090021.3/26

4141.841 +/- 0.574 χ^2/NDF : 4467166.4/55

4112.984 +/- 0.802 χ^2/NDF : 2374492.9/28

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



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

Left Out: 1437.068 $\pm$ 756.322 χ^2 /NDF:13.0/9

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

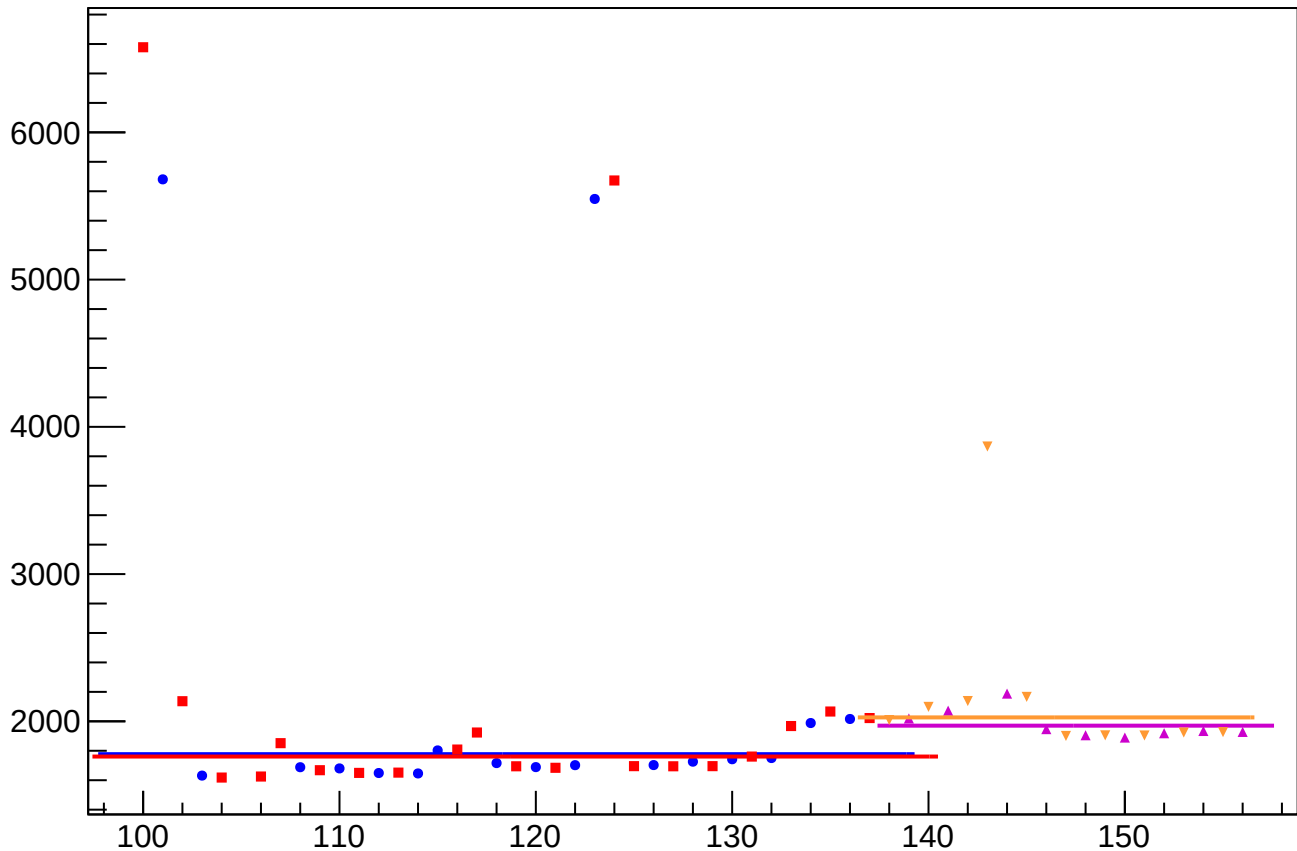
Left In: 320.962 $\pm$ 727.914 χ^2 /NDF:12.4/8

742.043 $\pm$ 517.340 χ^2 /NDF: 26.7/26

559.675 $\pm$ 358.396 χ^2 /NDF: 50.1/55

391.386 $\pm$ 496.971 χ^2 /NDF: 23.1/28

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



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

Left Out: 2026.614+/-0.535 χ^2/NDF : 340147.2/9

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

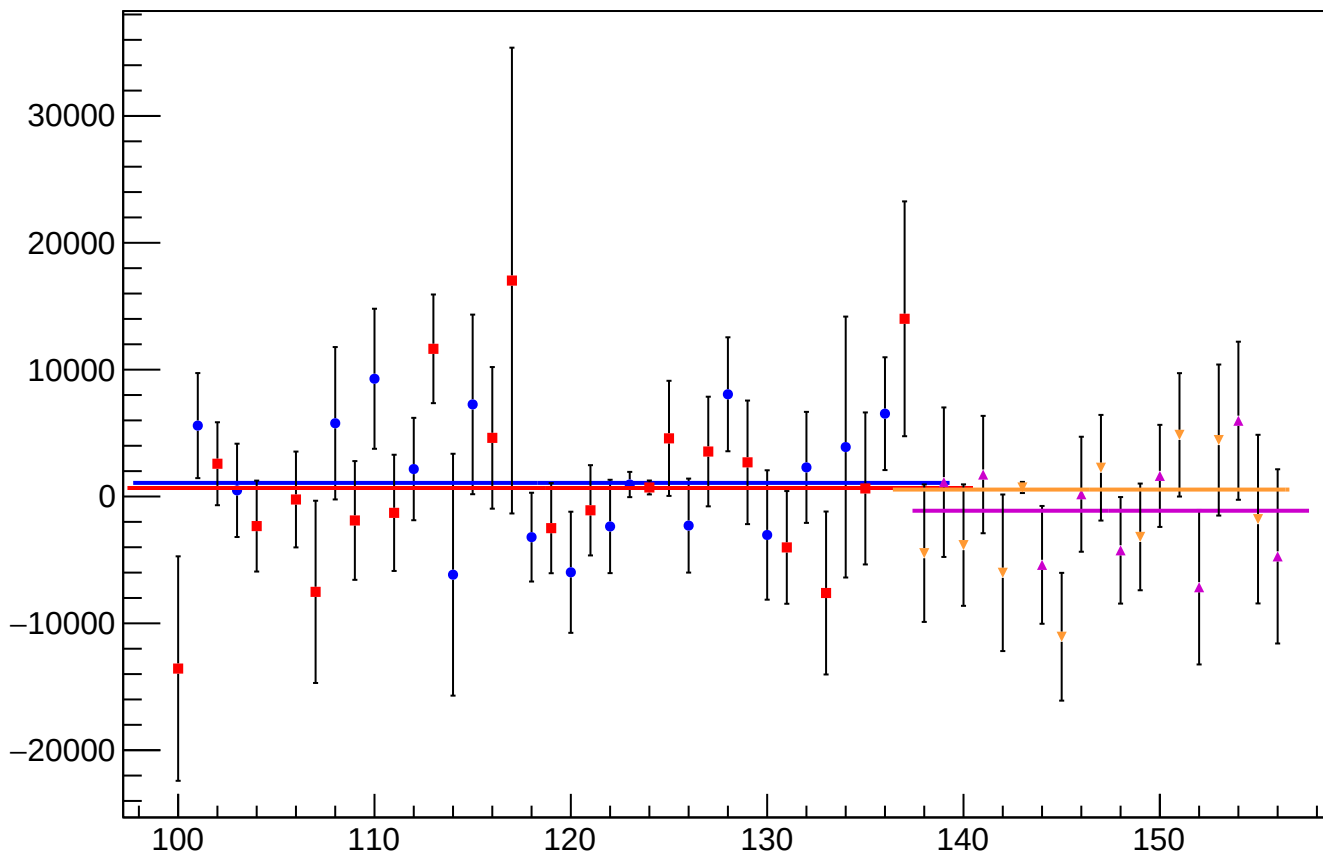
Left In: 1970.509+/-0.515 χ^2/NDF : 29638.1/8

1893.726+/-0.366 χ^2/NDF : 1099757.2/26

1874.995+/-0.253 χ^2/NDF : 1530337.5/55

1857.835+/-0.350 χ^2/NDF : 425556.6/28

asym_atr1l2_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 545.857+/-424.792 χ^2/NDF : 10.6/9

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

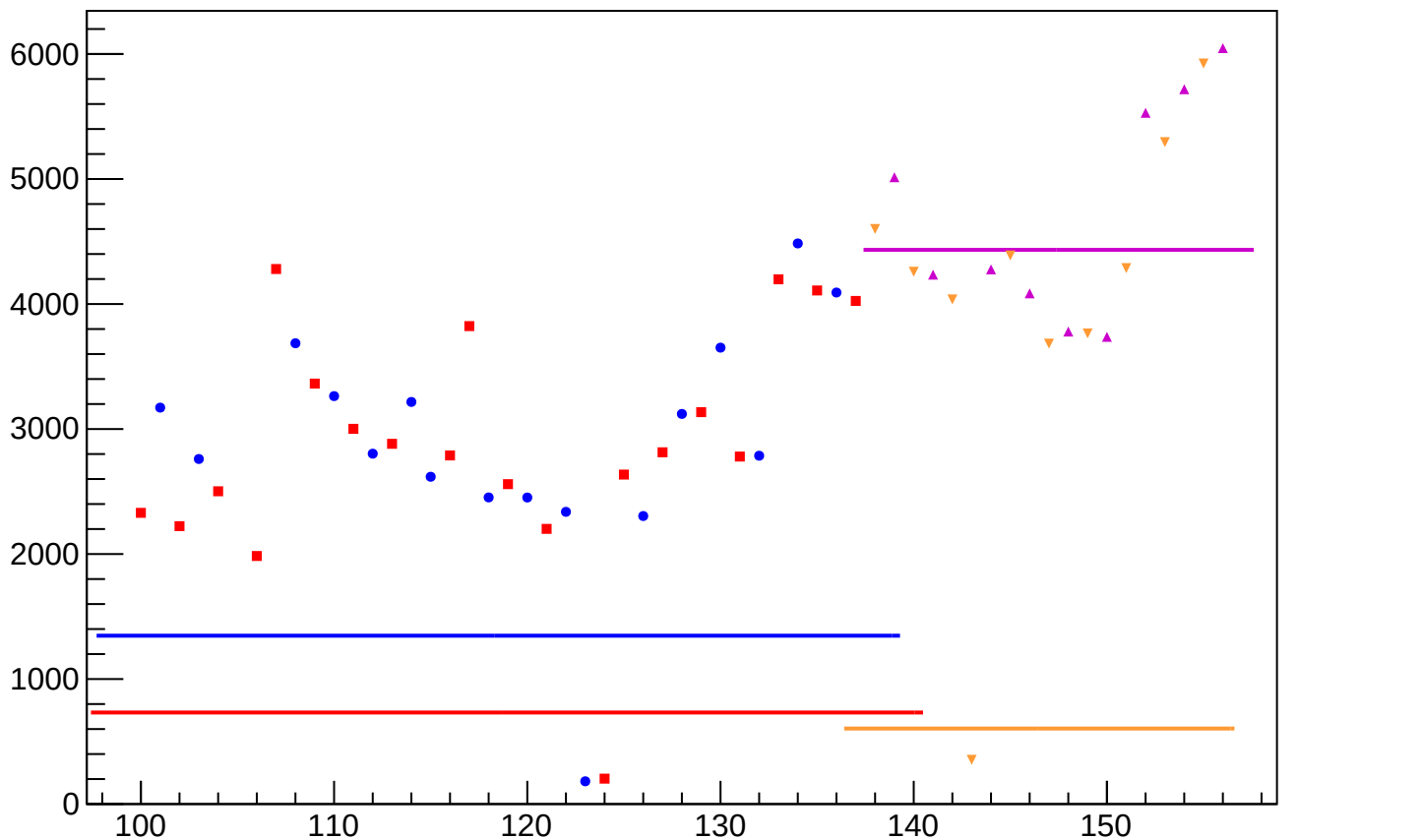
Left In: -1122.339+/-1660.001 χ^2/NDF : 5.0/8

673.108+/-369.894 χ^2/NDF : 26.5/26

617.242+/-290.212 χ^2/NDF : 53.2/55

527.787+/-468.066 χ^2/NDF : 26.7/28

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

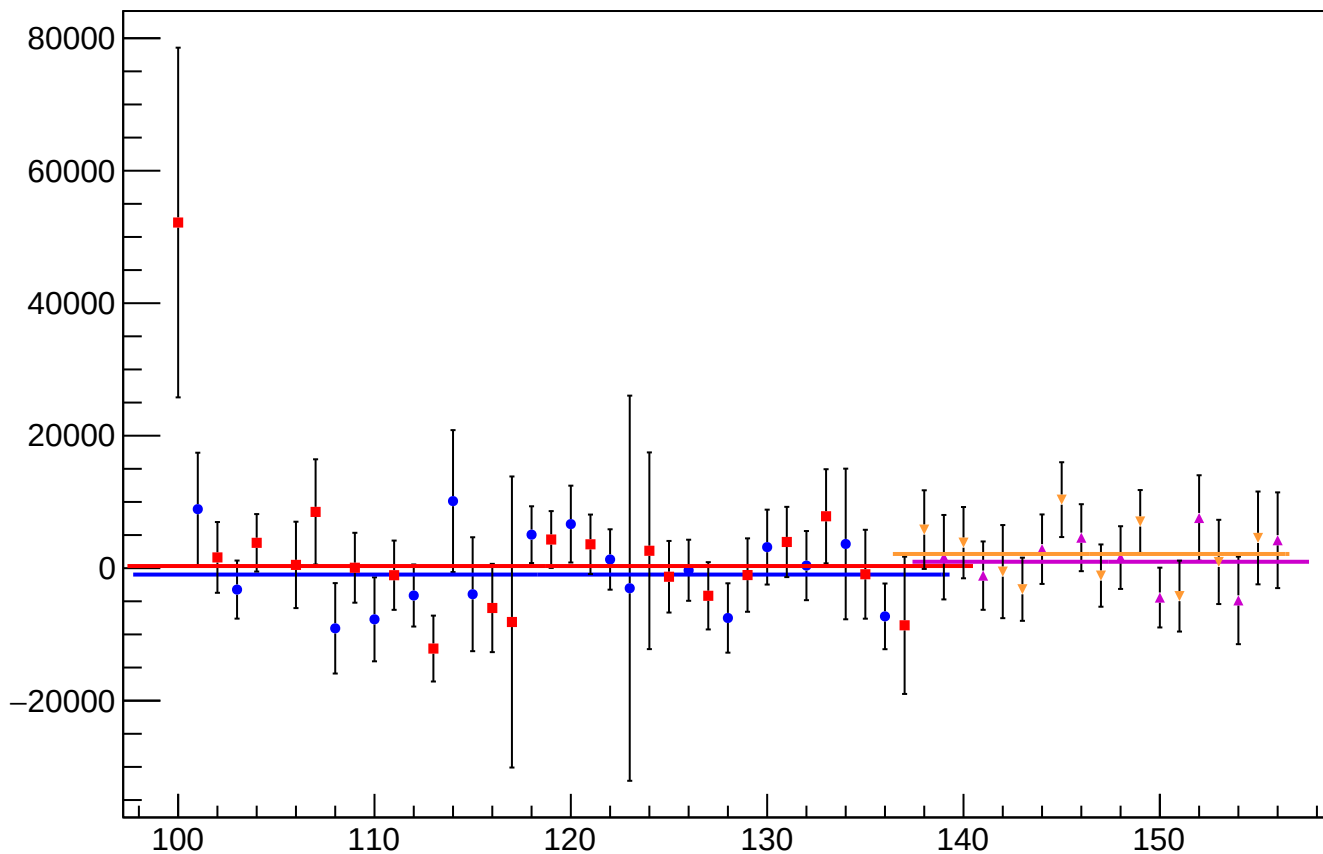
Left In: 4433.757 $\pm$ 1.174 χ^2 /NDF:405654.8/8

783.783 $\pm$ 0.262 χ^2 /NDF: 18859269.7/26

877.125 $\pm$ 0.205 χ^2 /NDF: 38309401.2/55

1026.589 $\pm$ 0.331 χ^2 /NDF: 19118838.9/28

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -964.151 ± 1395.626 χ^2/NDF : 13.7/16

Left Out: 2144.204 ± 1745.787 χ^2/NDF : 7.1/9

Right Out: 323.694 ± 1327.331 χ^2/NDF : 17.8/19

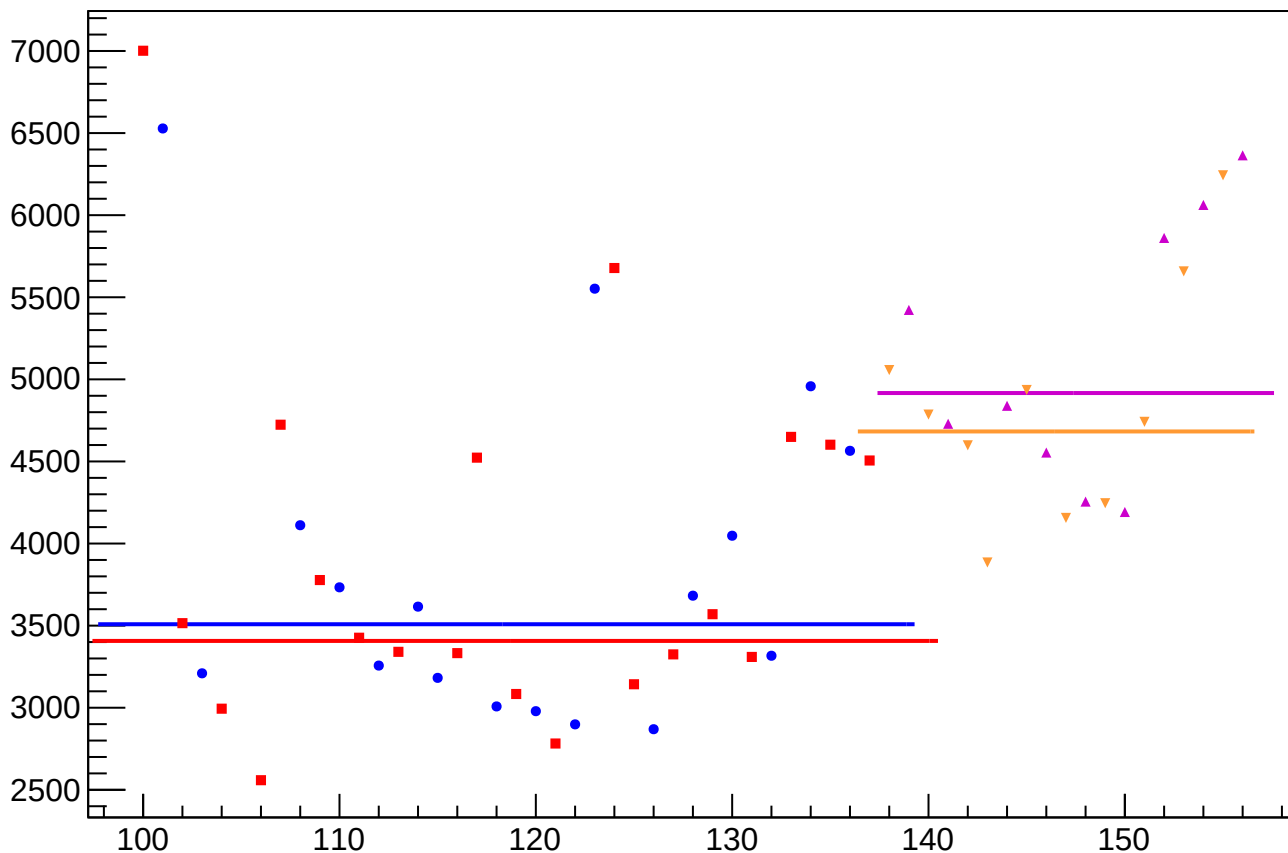
Left In: 967.890 ± 1833.450 χ^2/NDF : 4.3/8

247.801 ± 1090.106 χ^2/NDF : 22.8/26

398.564 ± 765.481 χ^2/NDF : 45.0/55

545.219 ± 1075.156 χ^2/NDF : 22.1/28

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3508.483 $\pm$ 0.987 χ^2 /NDF: 562197.7/16

Left Out: 4682.674 $\pm$ 1.234 χ^2 /NDF: 257510.9/9

Right Out: 3406.868 $\pm$ 0.926 χ^2 /NDF: 433737.9/19

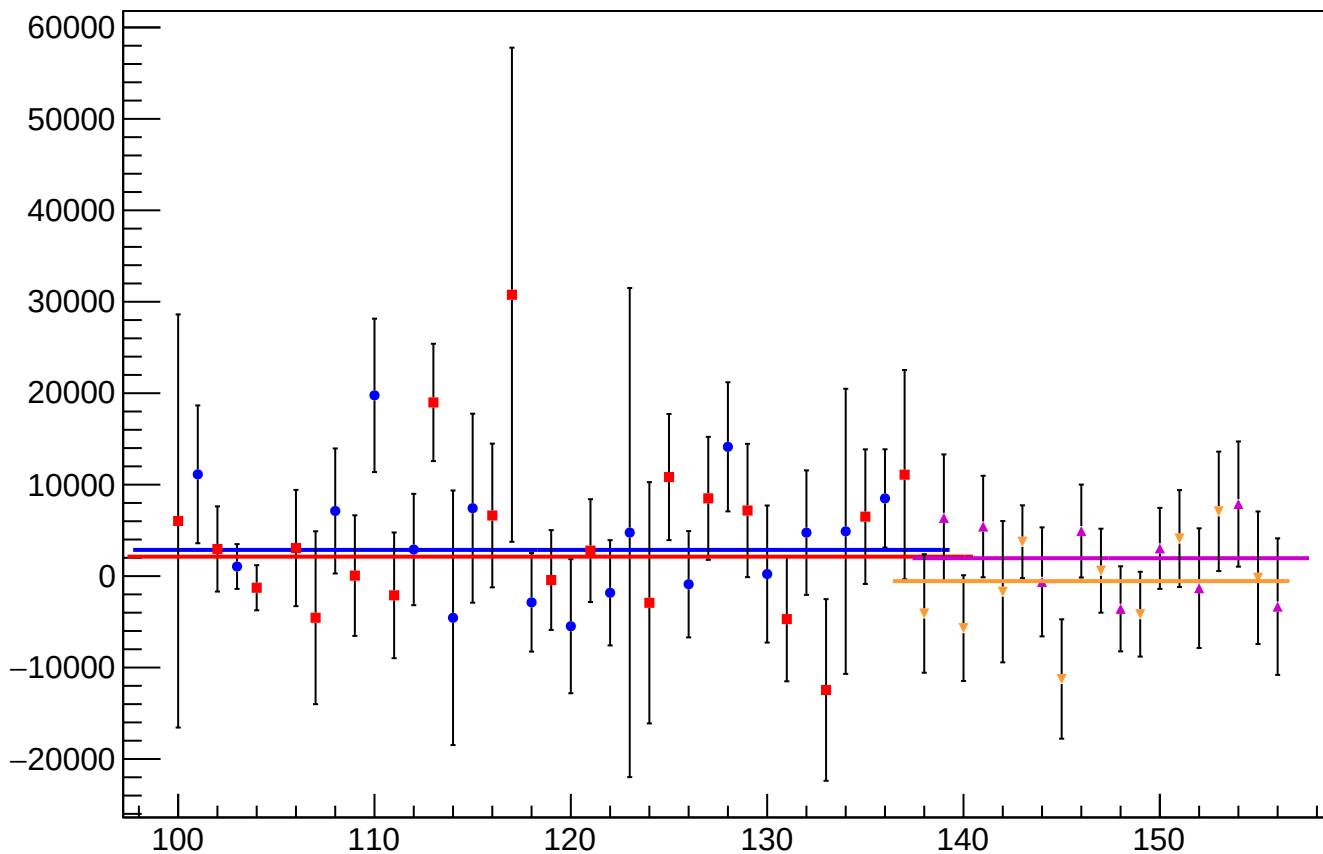
Left In: 4916.675 $\pm$ 1.296 χ^2 /NDF: 299849.7/8

3966.299 $\pm$ 0.771 χ^2 /NDF: 1371692.8/26

3941.226 $\pm$ 0.539 χ^2 /NDF: 3005117.2/55

3917.250 $\pm$ 0.754 χ^2 /NDF: 1631354.6/28

reg_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2864.770+/-1452.658 χ^2/NDF : 14.1/16

Left Out: -548.043+/-1743.885 χ^2/NDF : 7.8/9

Right Out: 2126.105+/-1379.774 χ^2/NDF : 18.8/19

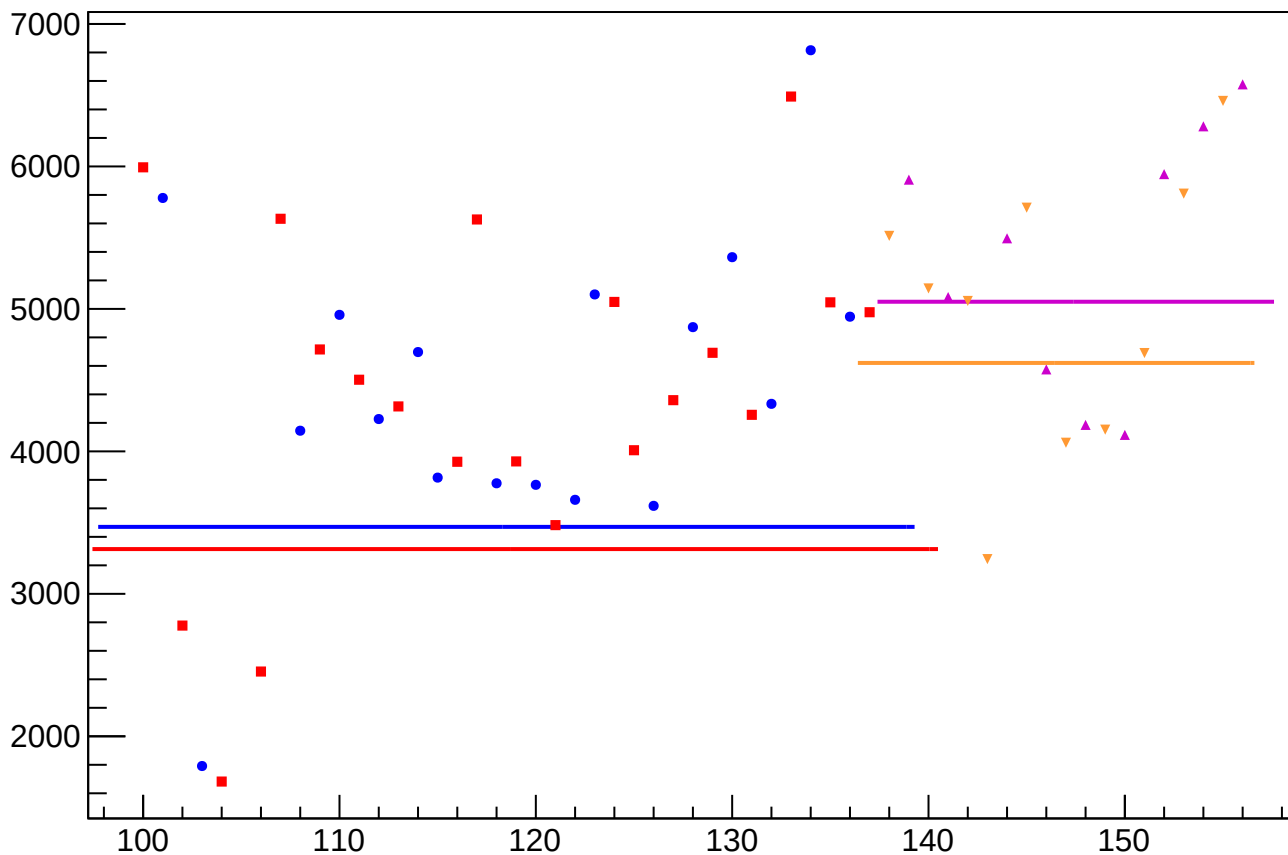
Left In: 1956.374+/-1890.462 χ^2/NDF : 4.3/8

1466.735+/-1116.145 χ^2/NDF : 24.1/26

1767.368+/-788.651 χ^2/NDF : 47.3/55

2067.114+/-1114.499 χ^2/NDF : 23.1/28

reg_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



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

Left Out: 4620.761+/-1.233 χ^2/NDF : 600586.0/9

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

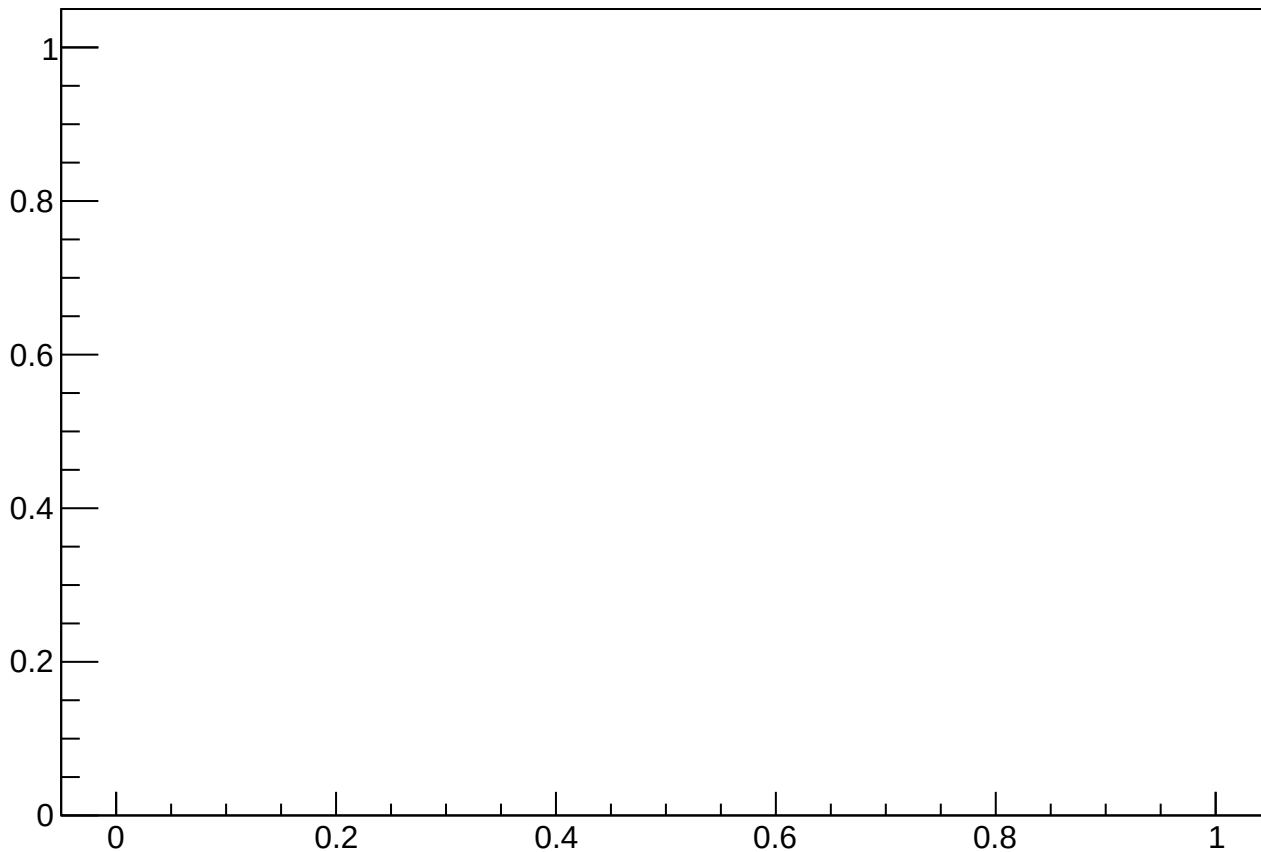
Left In: 5050.287+/-1.337 χ^2/NDF : 402839.8/8

3941.412+/-0.789 χ^2/NDF : 2875556.5/26

3925.784+/-0.556 χ^2/NDF : 6312141.6/55

3910.387+/-0.783 χ^2/NDF : 3435806.6/28

asym_atl_avg_atr_avg_avg_correction_mean vs Slug, Sign Corrected



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

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

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

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug, Sign Corrected



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

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

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

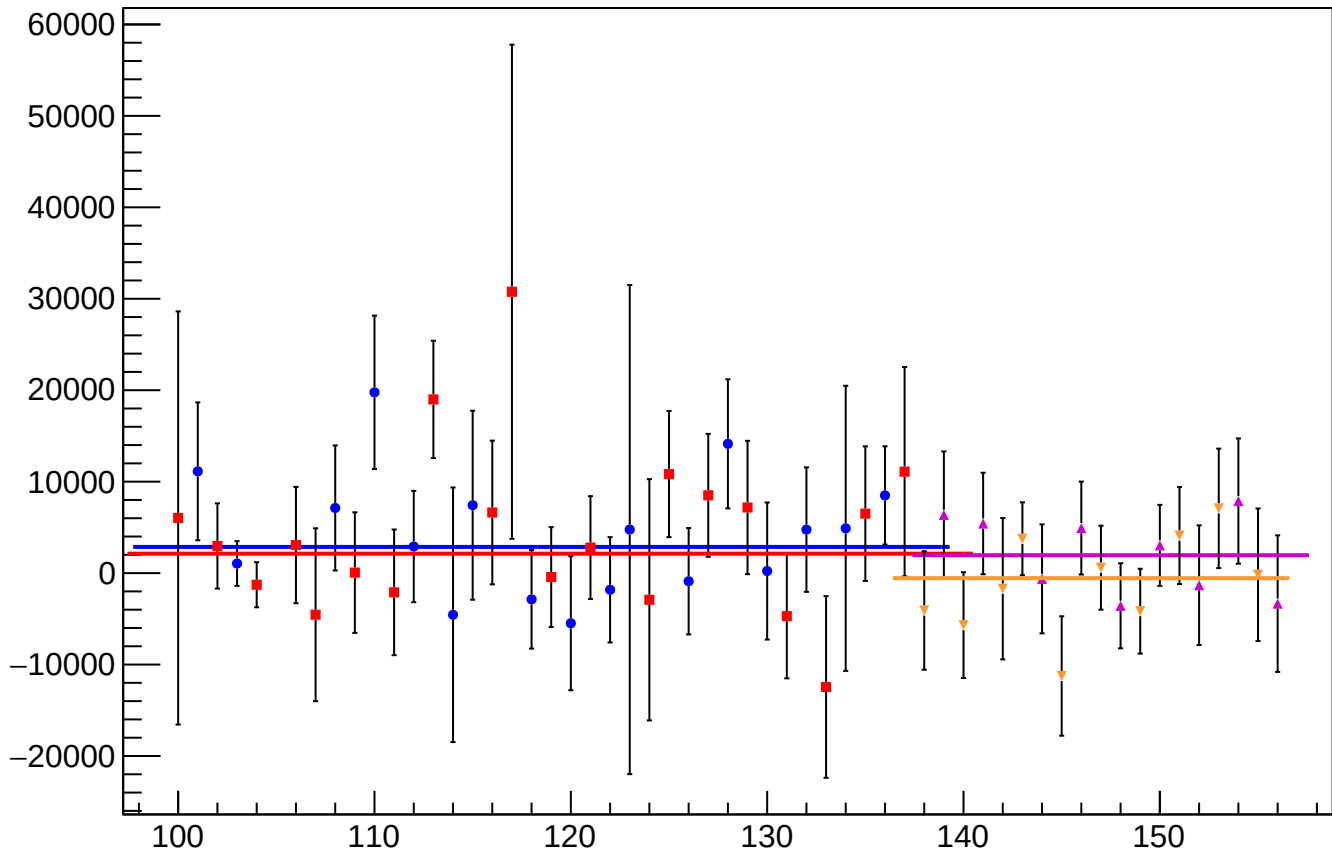
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2864.770+/-1452.658 χ^2/NDF : 14.1/16

Left Out: -548.043+/-1743.885 χ^2/NDF : 7.8/9

Right Out: 2126.105+/-1379.774 χ^2/NDF : 18.8/19

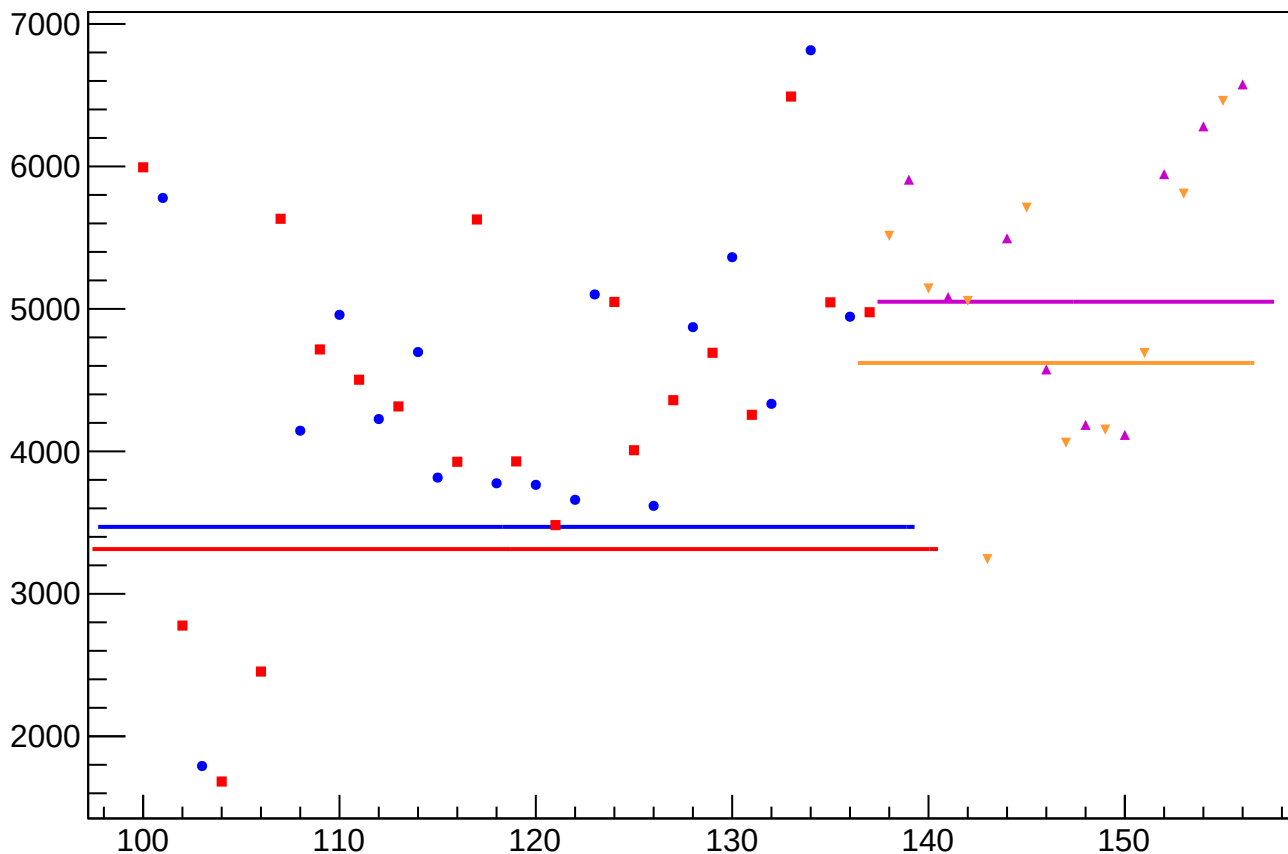
Left In: 1956.374+/-1890.462 χ^2/NDF : 4.3/8

1466.735+/-1116.145 χ^2/NDF : 24.1/26

1767.368+/-788.651 χ^2/NDF : 47.3/55

2067.114+/-1114.499 χ^2/NDF : 23.1/28

asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



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

Left Out: 4620.761 +/- 1.233 χ^2/NDF : 600586.0/9

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

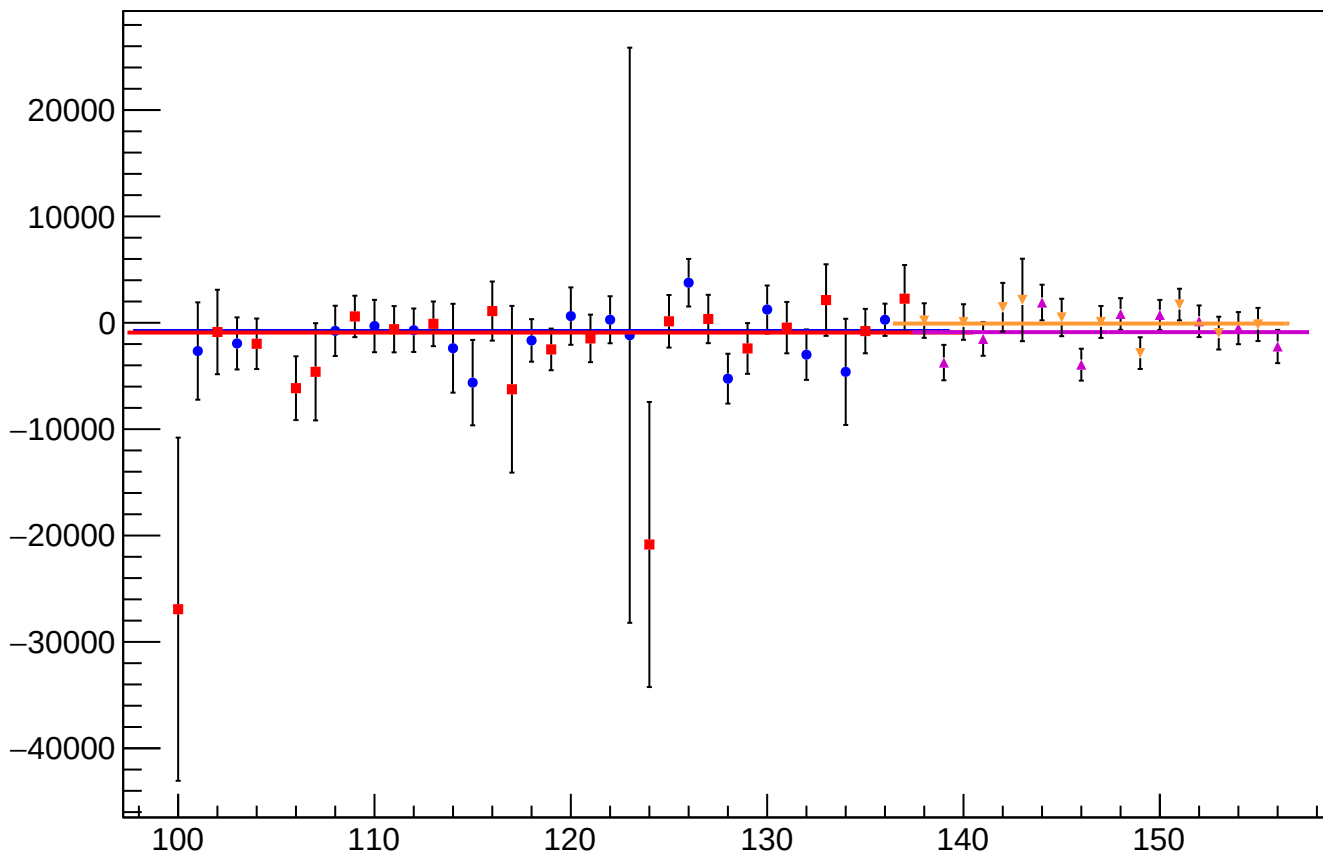
Left In: 5050.287 +/- 1.337 χ^2/NDF : 402839.8/8

3941.412 +/- 0.789 χ^2/NDF : 2875556.5/26

3925.784 +/- 0.556 χ^2/NDF : 6312141.6/55

3910.387 +/- 0.783 χ^2/NDF : 3435806.6/28

reg_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: -72.882+/-535.047 χ^2/NDF : 6.2/9

Right Out: -915.893+/-593.346 χ^2/NDF : 14.0/19

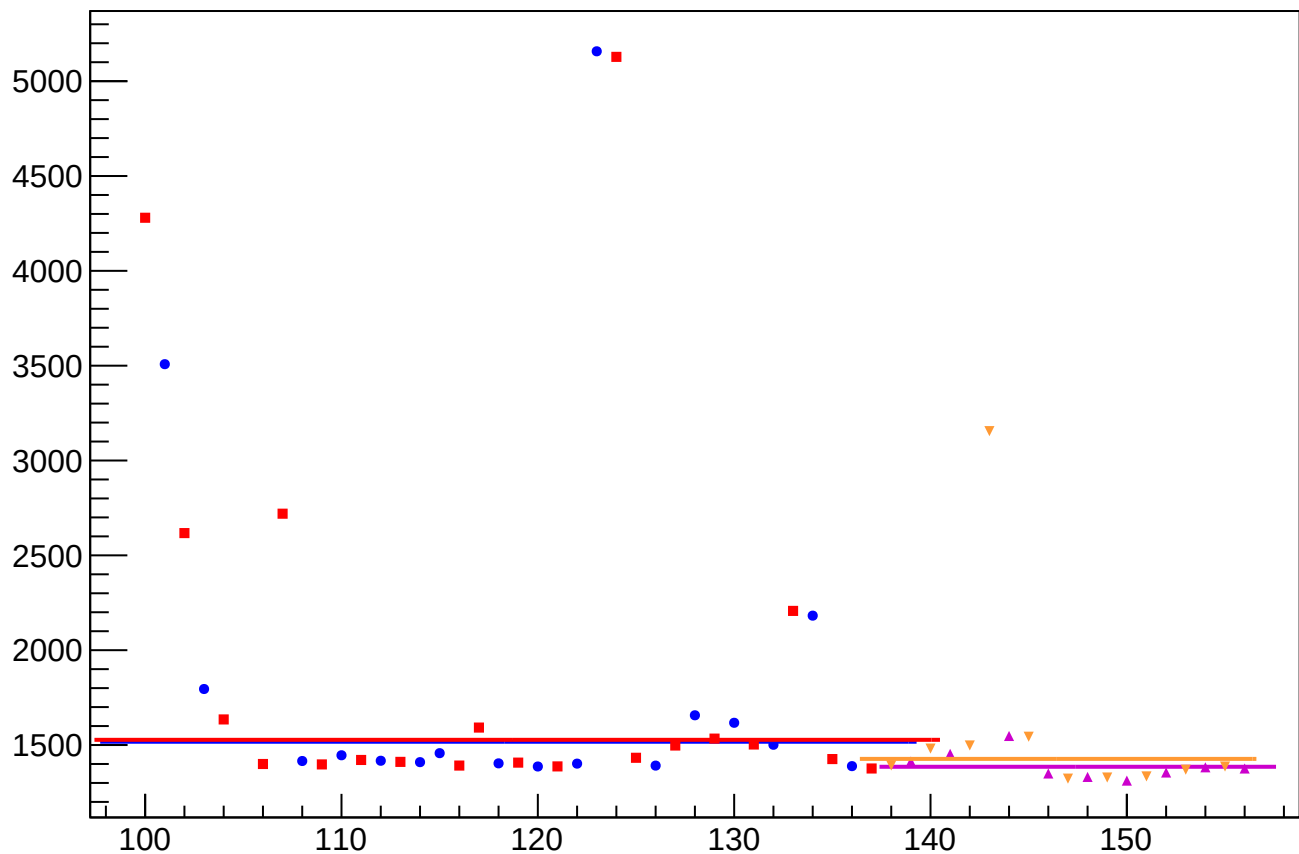
Left In: -878.569+/-512.062 χ^2/NDF : 13.9/8

-380.078+/-400.414 χ^2/NDF : 20.2/26

-645.613+/-278.517 χ^2/NDF : 49.0/55

-894.501+/-387.661 χ^2/NDF : 27.9/28

reg_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1426.886+/-0.378 χ^2/NDF : 441367.9/9

Right Out: 1527.378+/-0.420 χ^2/NDF : 631820.9/19

Left In: 1385.305+/-0.362 χ^2/NDF : 33019.8/8

1466.678+/-0.283 χ^2/NDF : 1003174.9/26

1455.979+/-0.197 χ^2/NDF : 1736501.2/55

1445.951+/-0.274 χ^2/NDF : 730560.2/28

asym_atl_avg_atr_avg_dd_correction_mean vs Slug, Sign Corrected



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

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

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

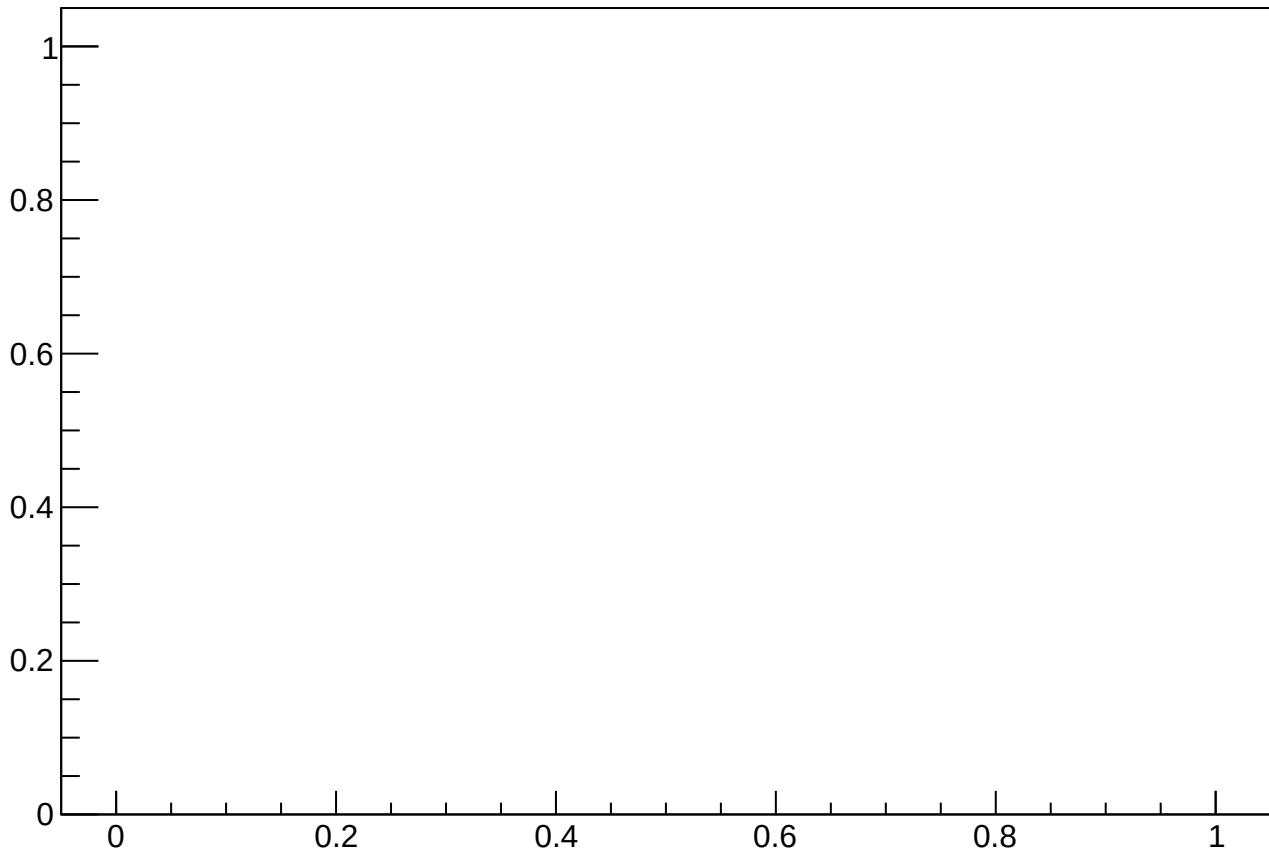
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

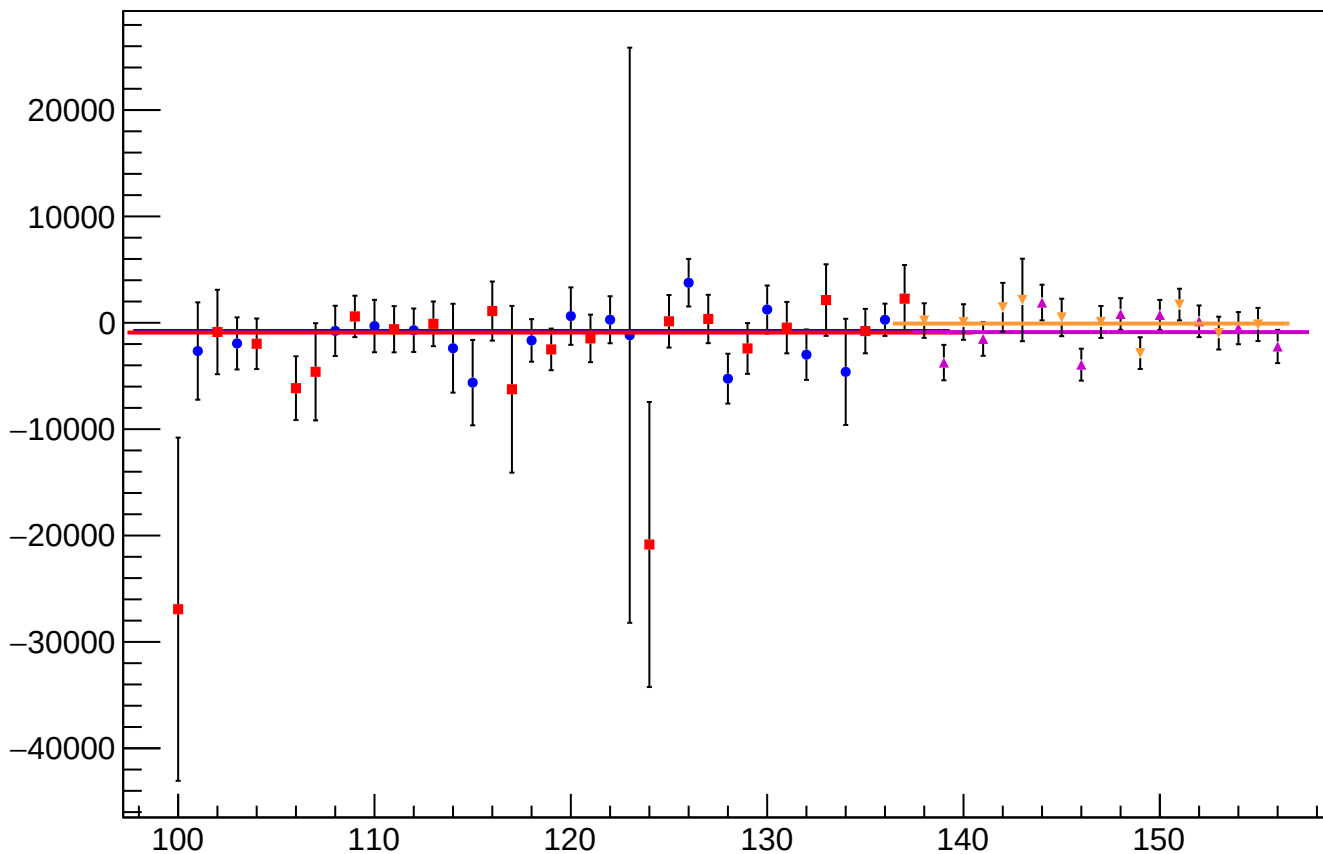
asym_atl_avg_atr_avg_dd_correction_rms vs Slug, Sign Corrected



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

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

asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: -72.882+/-535.047 χ^2/NDF : 6.2/9

Right Out: -915.893+/-593.346 χ^2/NDF : 14.0/19

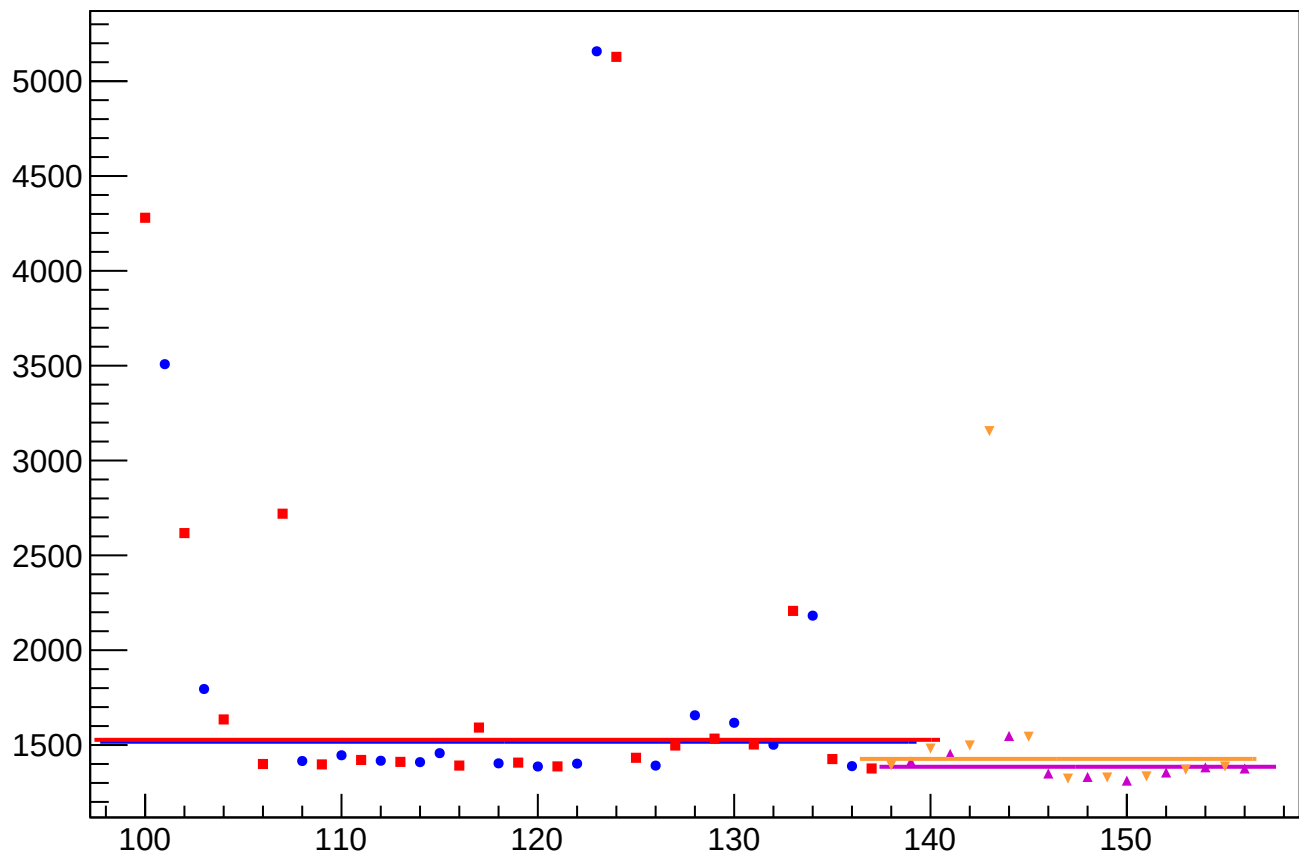
Left In: -878.569+/-512.062 χ^2/NDF : 13.9/8

-380.078+/-400.414 χ^2/NDF : 20.2/26

-645.613+/-278.517 χ^2/NDF : 49.0/55

-894.501+/-387.661 χ^2/NDF : 27.9/28

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

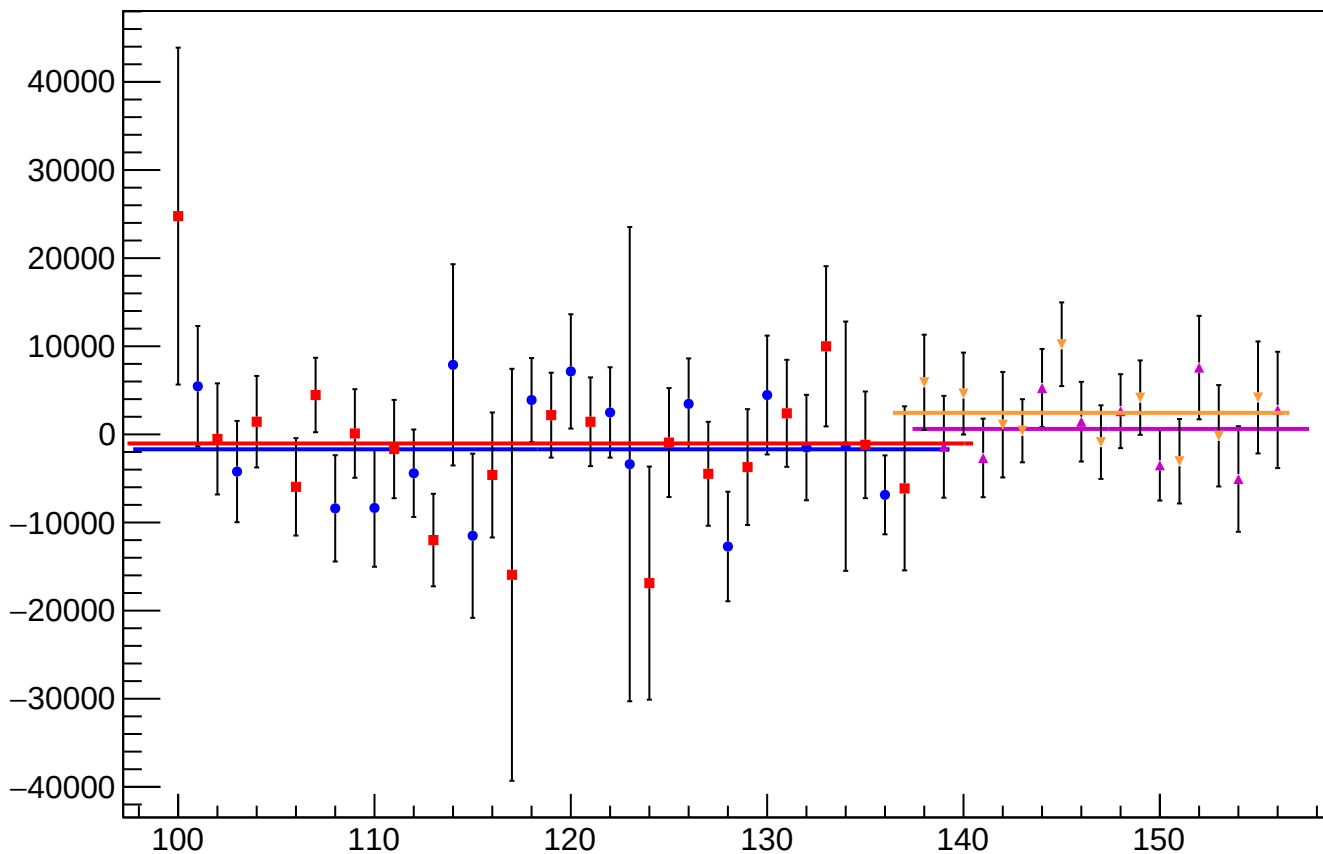
Left In: 1385.305+/-0.362 χ^2/NDF : 33019.8/8

1466.678+/-0.283 χ^2/NDF : 1003174.9/26

1455.979+/-0.197 χ^2/NDF : 1736501.2/55

1445.951+/-0.274 χ^2/NDF : 730560.2/28

reg_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1692.604±/-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

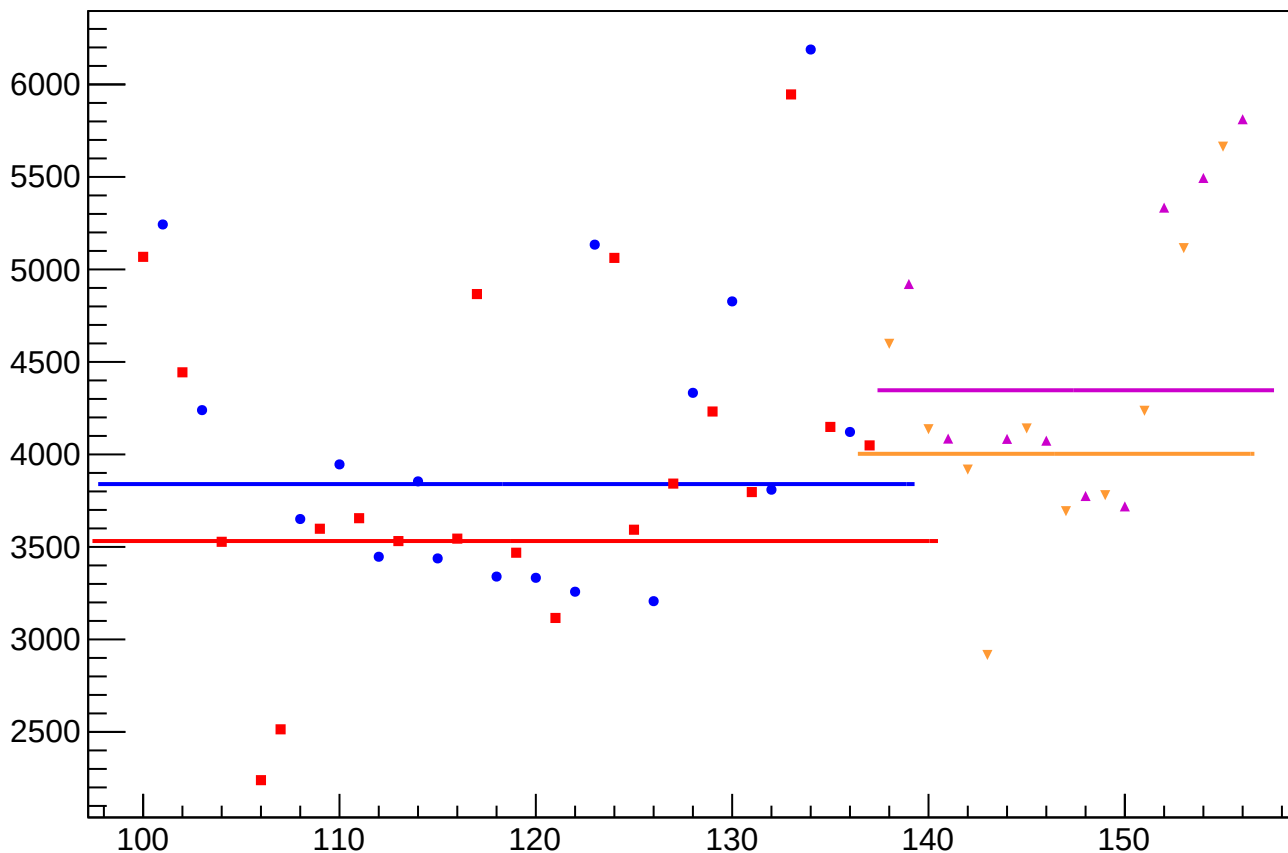
Left In: 620.448±/-1624.103 χ^2/NDF : 5.5/8

390.332±/-1066.344 χ^2/NDF : 25.7/26

19.591±/-748.200 χ^2/NDF : 46.4/55

-339.922±/-1050.072 χ^2/NDF : 20.4/28

reg_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 4003.353+/-1.063 χ^2/NDF : 444758.8/9

Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

Left In: 4346.878+/-1.148 χ^2/NDF : 355753.6/8

3922.078+/-0.754 χ^2/NDF : 782487.0/26

3894.978+/-0.528 χ^2/NDF : 1997428.0/55

3868.975+/-0.739 χ^2/NDF : 1212409.6/28

asym_atl_dd_atr_dd_avg_correction_mean vs Slug, Sign Corrected



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

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

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

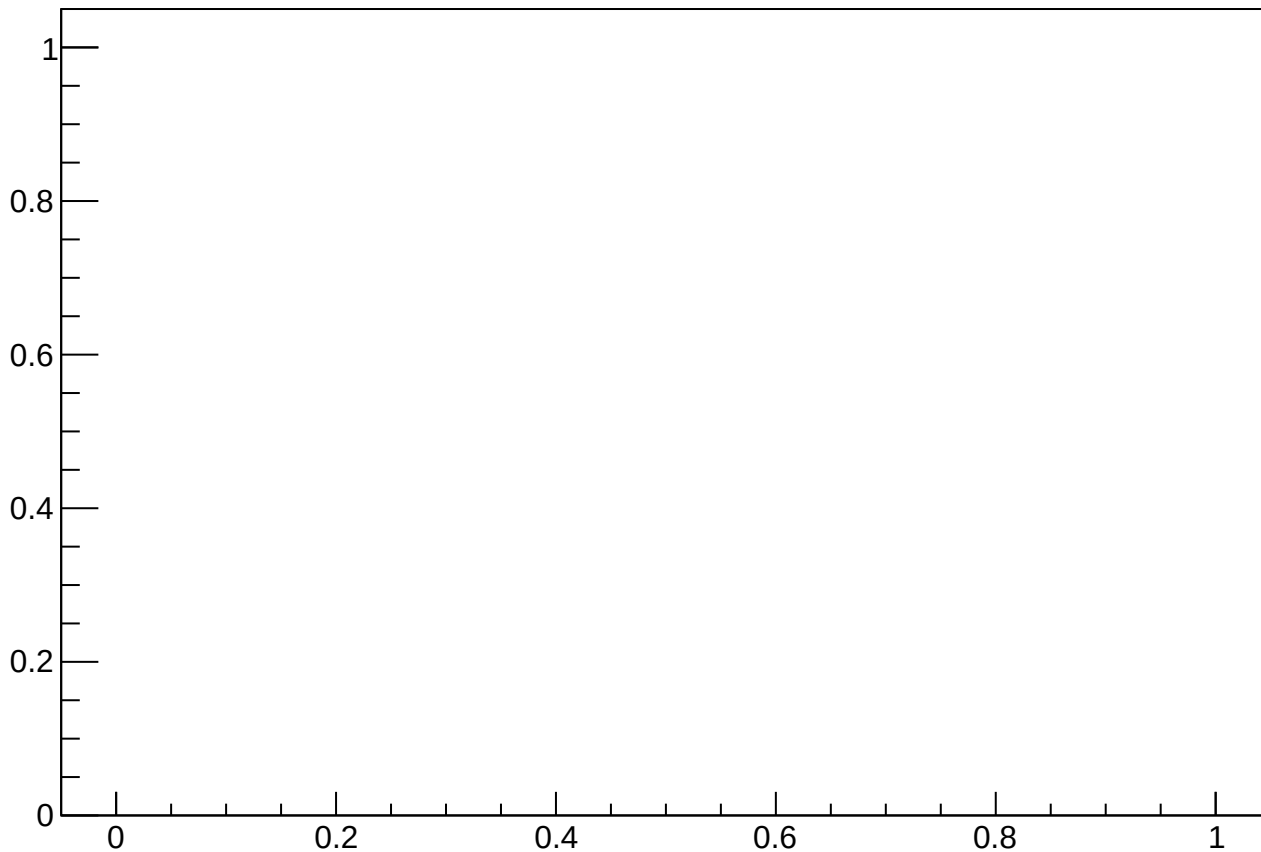
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug, Sign Corrected



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

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

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

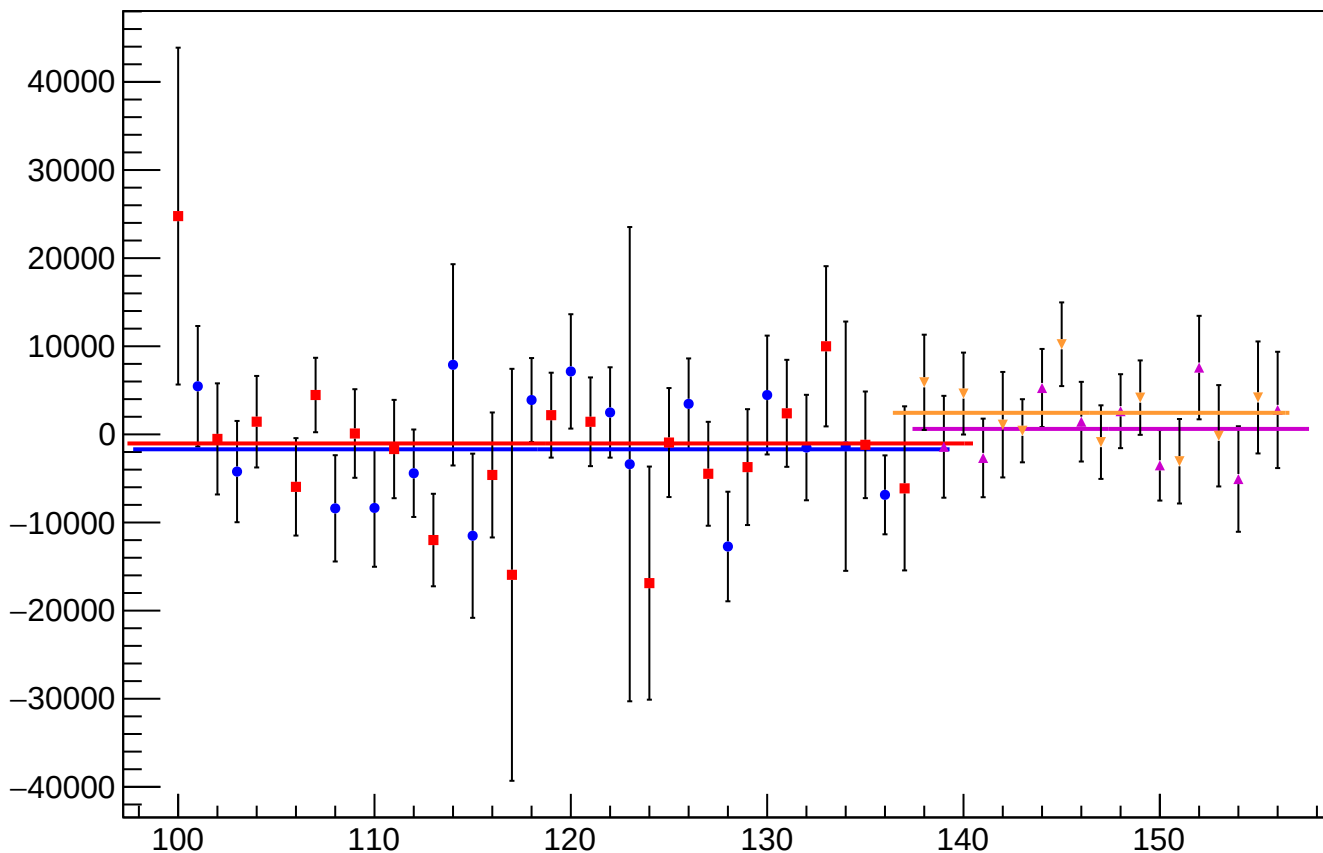
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1692.604 $\pm$ 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

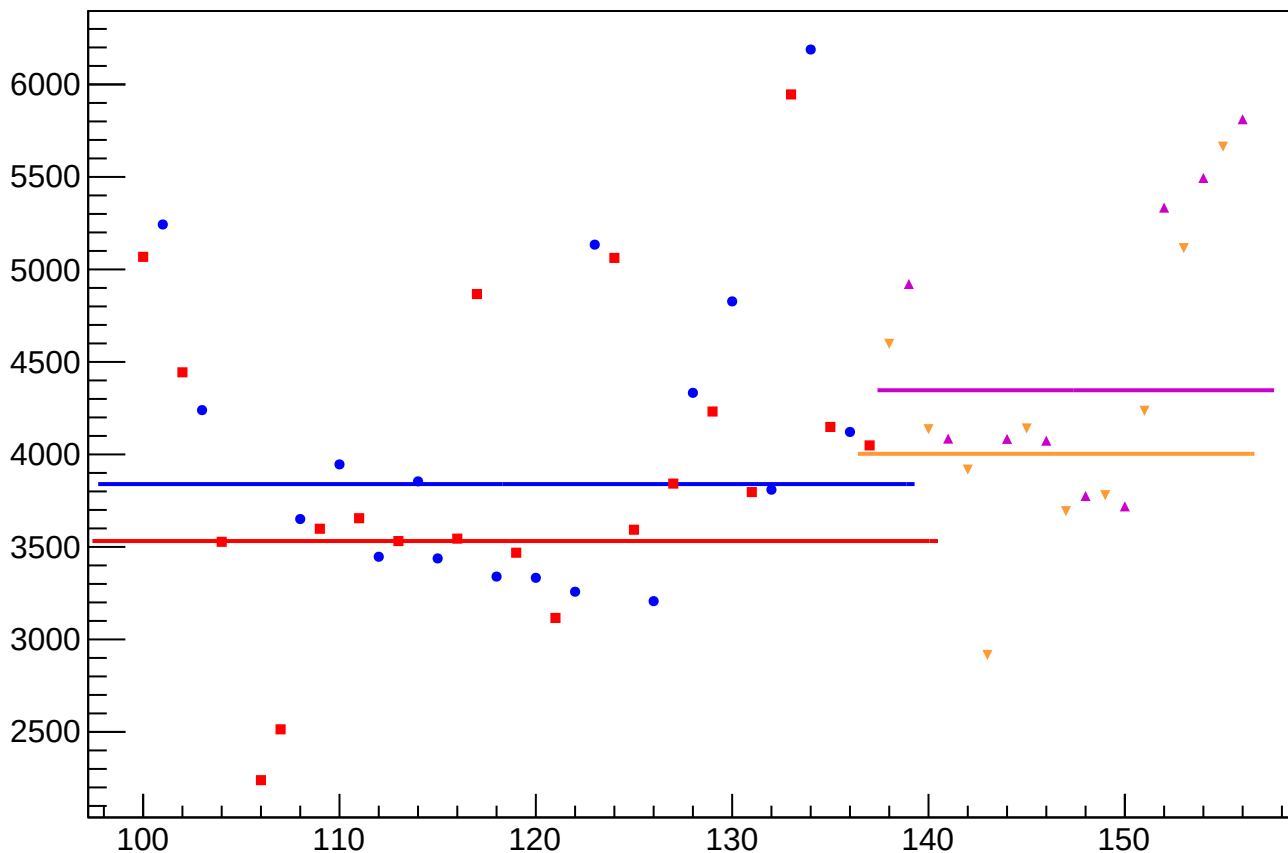
Left In: 620.448 $\pm$ 1624.103 χ^2 /NDF: 5.5/8

390.332 $\pm$ 1066.344 χ^2 /NDF: 25.7/26

19.591 $\pm$ 748.200 χ^2 /NDF: 46.4/55

-339.922 $\pm$ 1050.072 χ^2 /NDF: 20.4/28

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 4003.353+/-1.063 χ^2/NDF : 444758.8/9

Right Out: 3531.881+/-0.965 χ^2/NDF : 561331.4/19

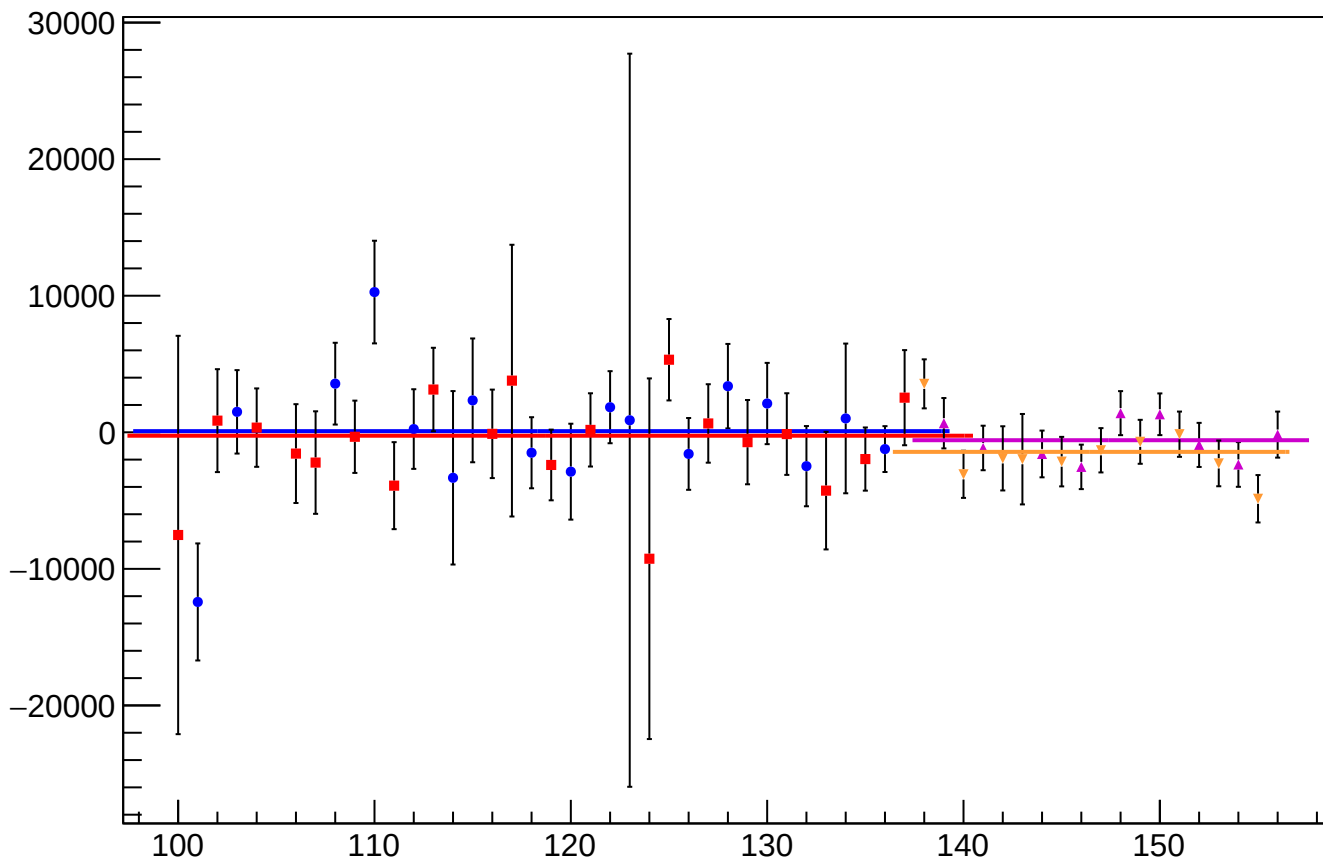
Left In: 4346.878+/-1.148 χ^2/NDF : 355753.6/8

3922.078+/-0.754 χ^2/NDF : 782487.0/26

3894.978+/-0.528 χ^2/NDF : 1997428.0/55

3868.975+/-0.739 χ^2/NDF : 1212409.6/28

reg_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 83.860+/-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

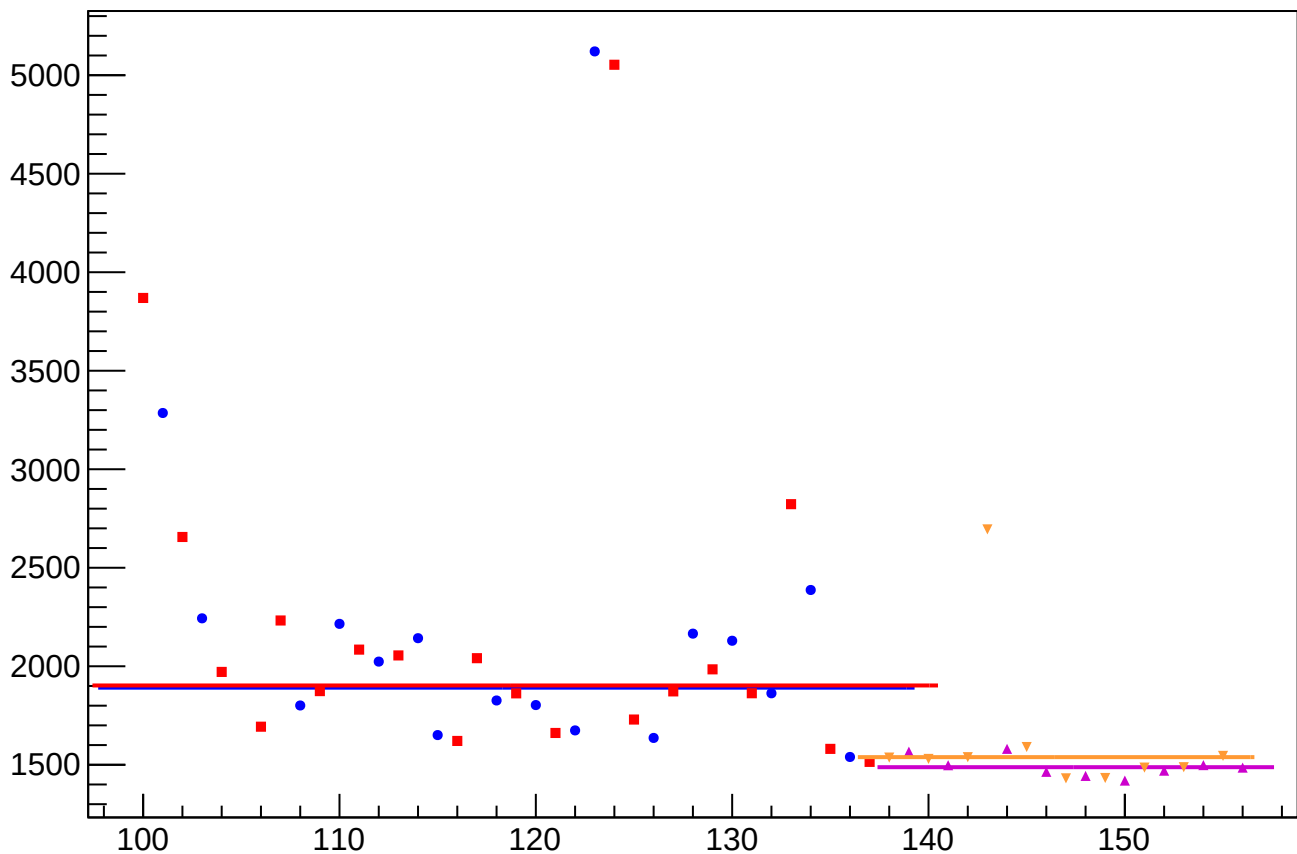
Left In: -580.328+/-549.496 χ^2/NDF :6.7/8

-874.350+/-455.639 χ^2/NDF : 39.3/26

-660.509+/-316.318 χ^2/NDF : 56.9/55

-461.566+/-439.481 χ^2/NDF : 17.2/28

reg_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1891.492+/-0.531 χ^2/NDF : 464497.5/16

Left Out: 1538.797+/-0.405 χ^2/NDF : 266817.1/9

Right Out: 1902.551+/-0.518 χ^2/NDF : 461077.0/19

Left In: 1487.817+/-0.389 χ^2/NDF : 15868.6/8

1668.781+/-0.322 χ^2/NDF : 1010195.9/26

1652.454+/-0.224 χ^2/NDF : 1902641.8/55

1637.265+/-0.311 χ^2/NDF : 887488.8/28

asym_atl_dd_atr_dd_dd_correction_mean vs Slug, Sign Corrected



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

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

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

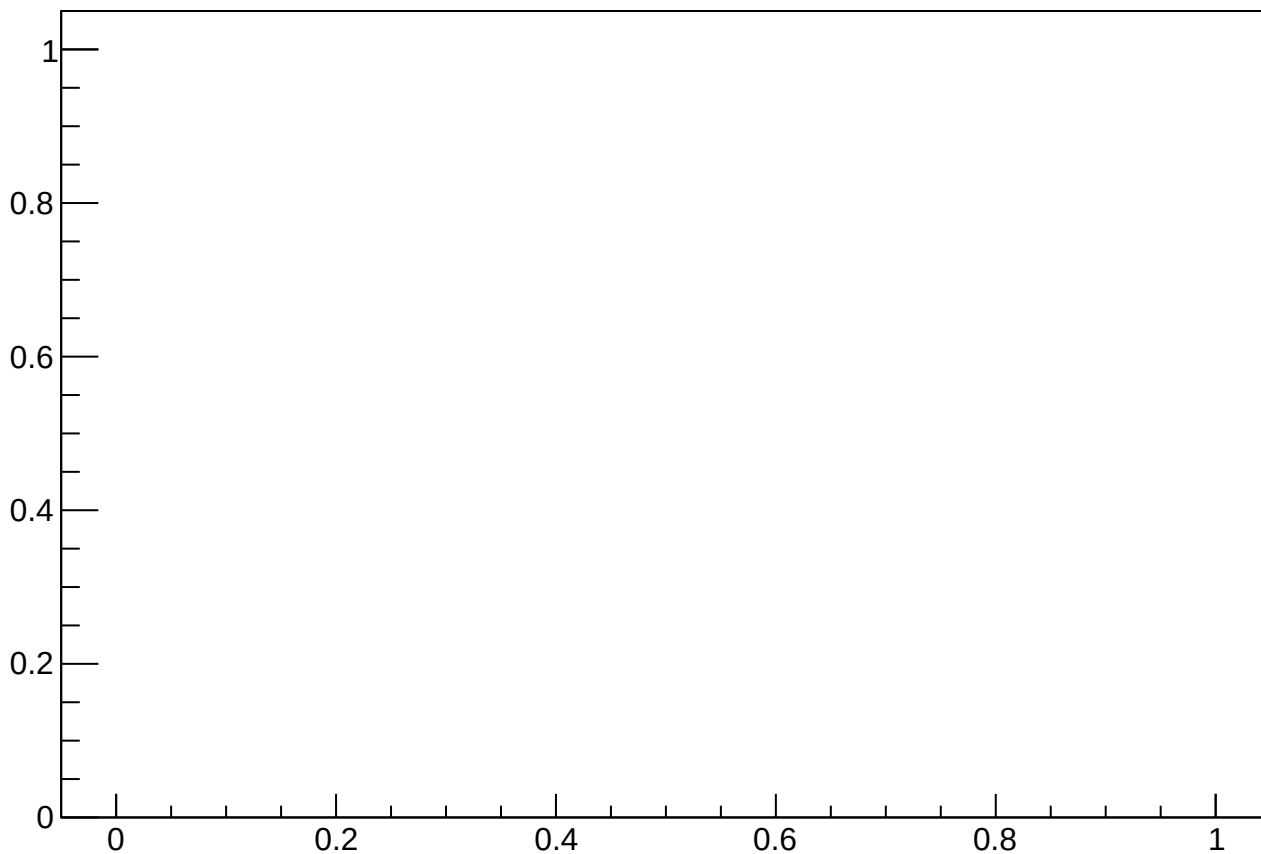
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug, Sign Corrected



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

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

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

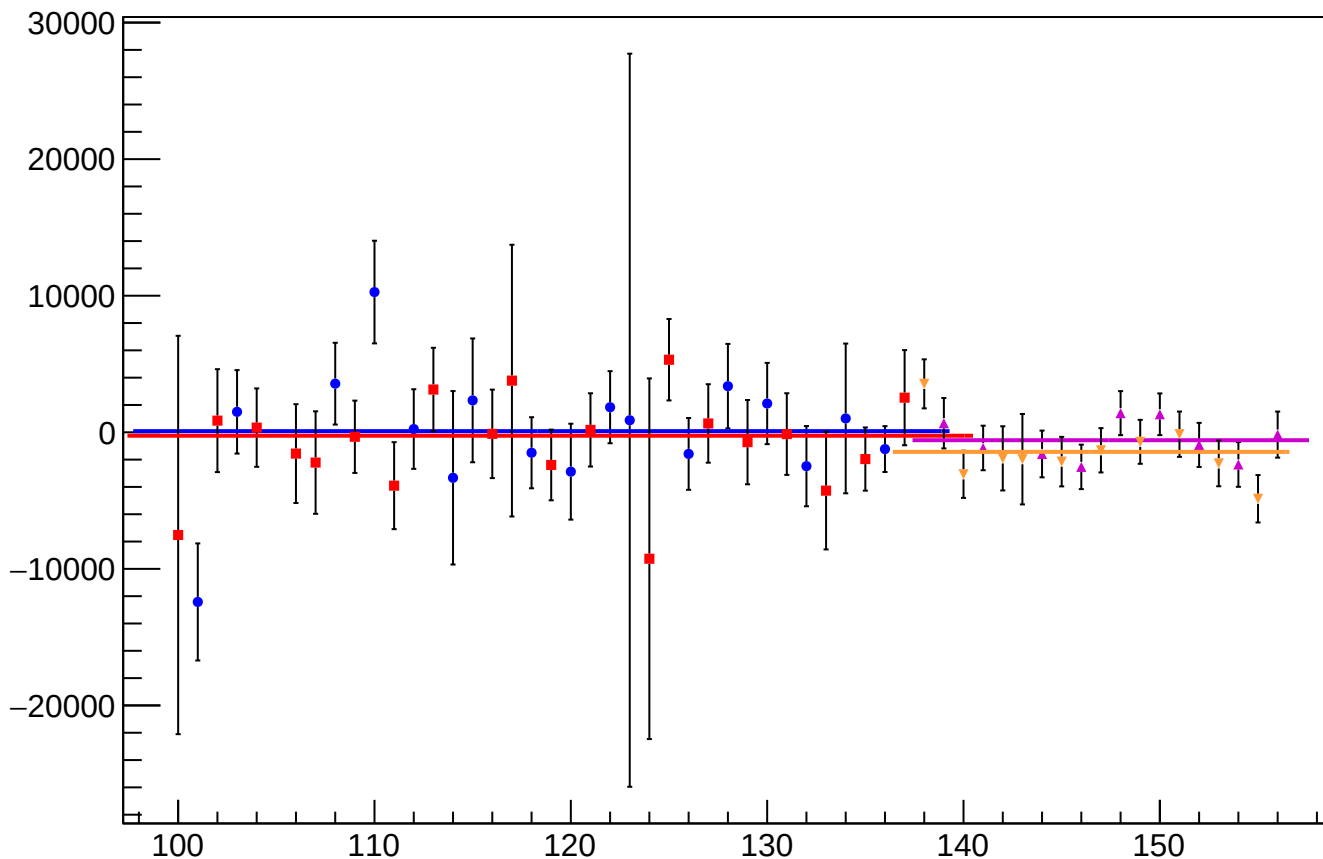
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 83.860+/-750.549 χ^2/NDF : 22.9/16

Left Out: -1433.592+/-573.388 χ^2/NDF :13.8/9

Right Out: -250.743+/-732.124 χ^2/NDF : 10.3/19

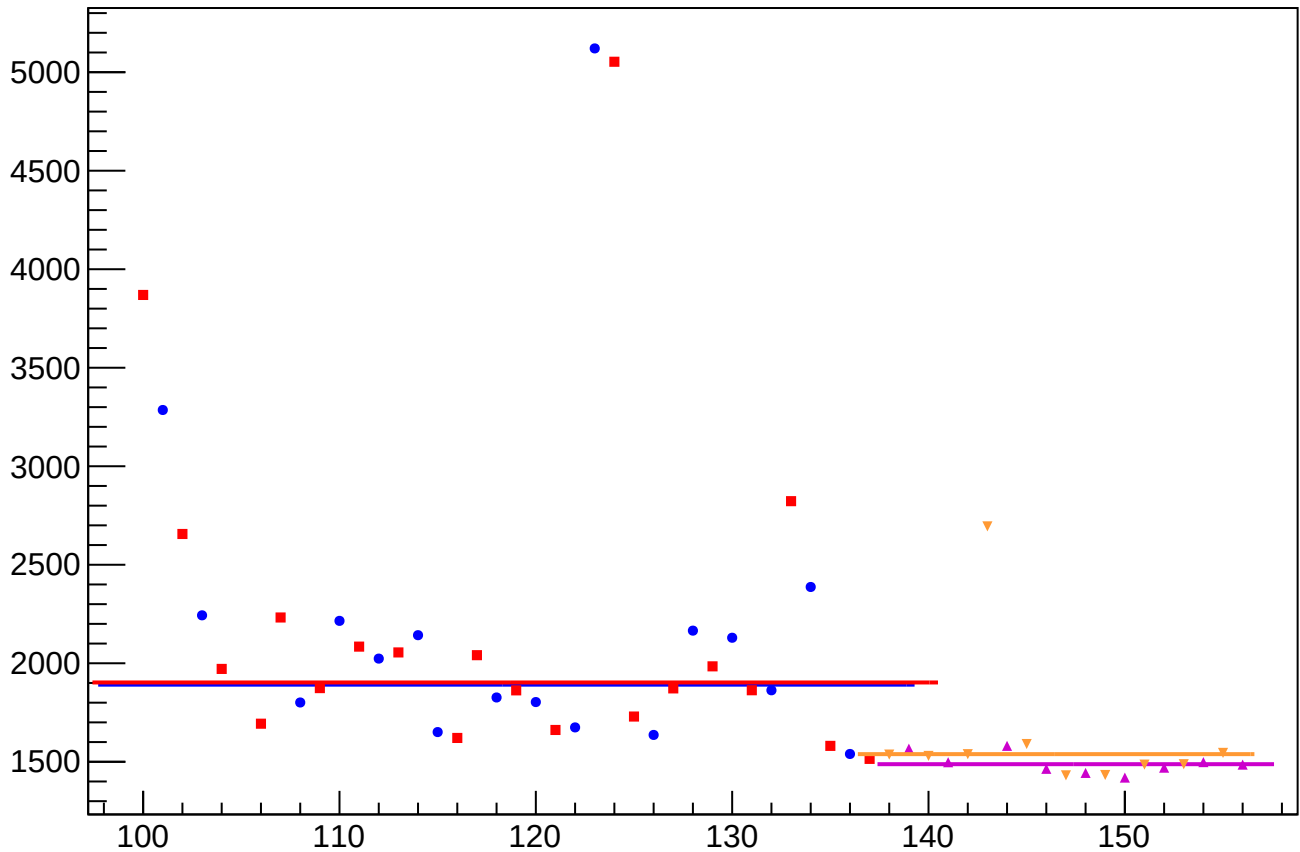
Left In: -580.328+/-549.496 χ^2/NDF :6.7/8

-874.350+/-455.639 χ^2/NDF : 39.3/26

-660.509+/-316.318 χ^2/NDF : 56.9/55

-461.566+/-439.481 χ^2/NDF : 17.2/28

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1891.492+/-0.531 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

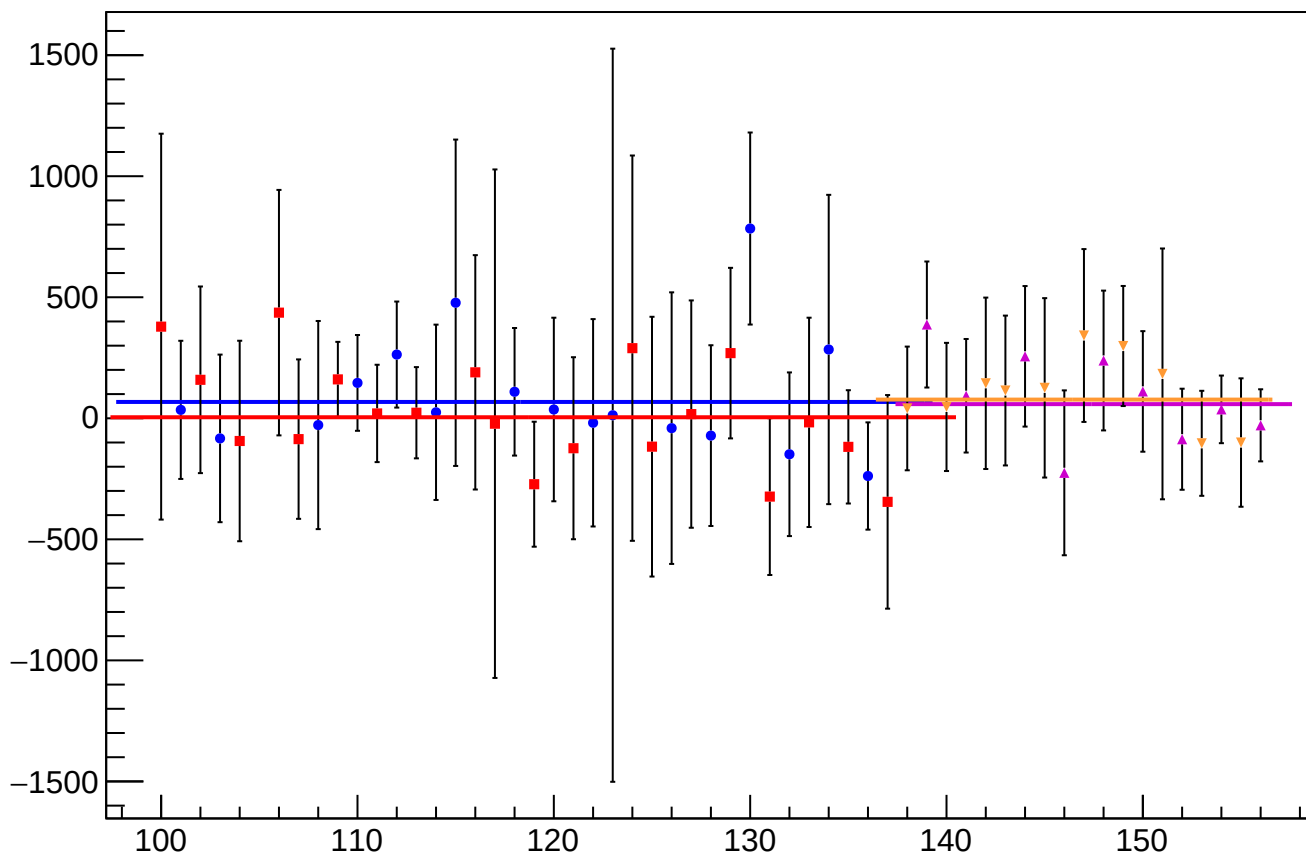
Left In: 1487.817+/-0.389 χ^2/NDF : 15868.6/8

1668.781+/-0.322 χ^2/NDF : 1010195.9/26

1652.454+/-0.224 χ^2/NDF : 1902641.8/55

1637.265+/-0.311 χ^2/NDF : 887488.8/28

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 77.242 $\pm$ 91.829 χ^2 /NDF: 2.6/9

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

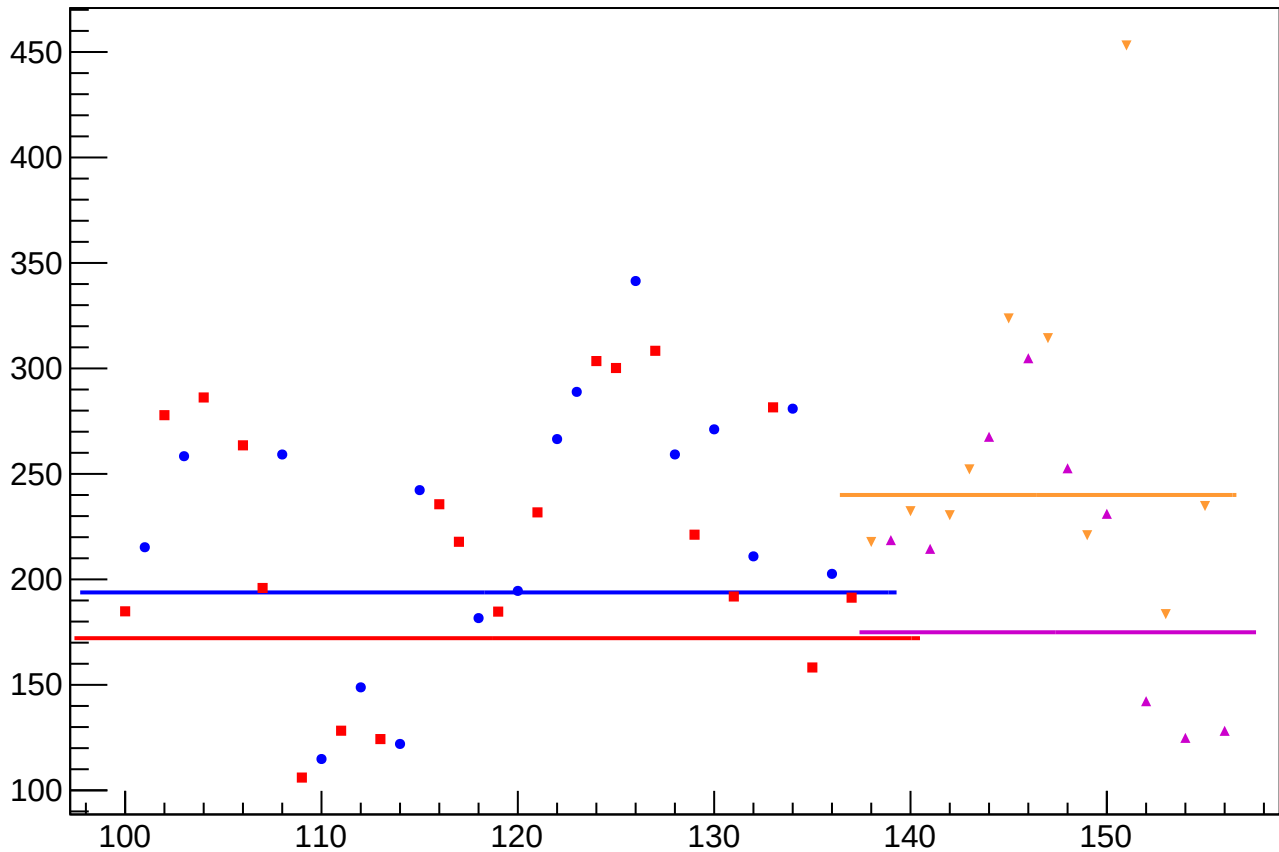
Left In: 58.508 $\pm$ 70.554 χ^2 /NDF: 4.1/8

71.704 $\pm$ 60.151 χ^2 /NDF: 10.2/26

47.571 $\pm$ 38.286 χ^2 /NDF: 21.2/55

31.136 $\pm$ 49.640 χ^2 /NDF: 10.7/28

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.815 +/- 0.056 χ^2/NDF : 1010325.5/16

Left Out: 240.016 +/- 0.065 χ^2/NDF : 696912.7/9

Right Out: 172.123 +/- 0.049 χ^2/NDF : 1580879.9/19

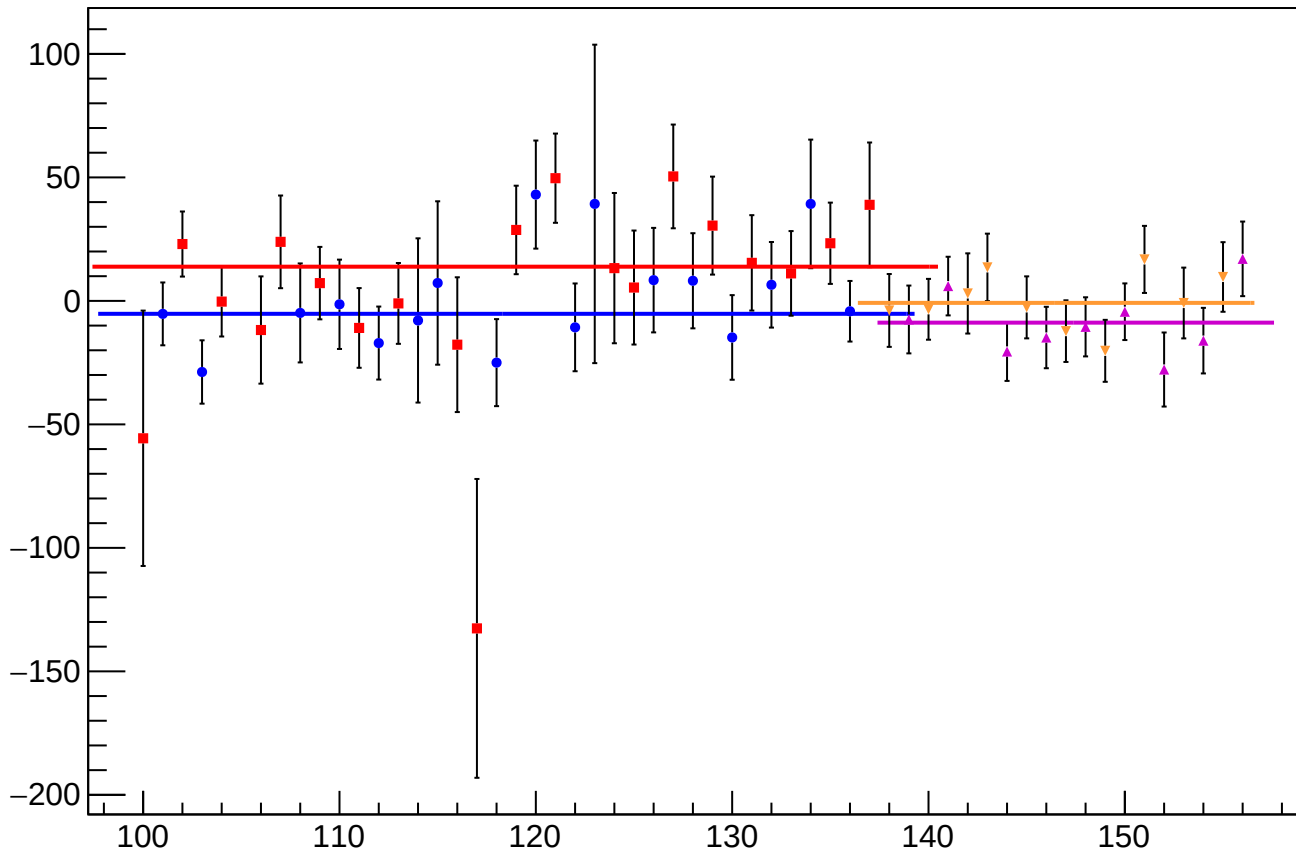
Left In: 174.928 +/- 0.050 χ^2/NDF : 1357563.1/8

213.639 +/- 0.043 χ^2/NDF : 1996278.6/26

189.769 +/- 0.027 χ^2/NDF : 5465784.4/55

173.512 +/- 0.035 χ^2/NDF : 2940039.7/28

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.231 ± 4.356 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

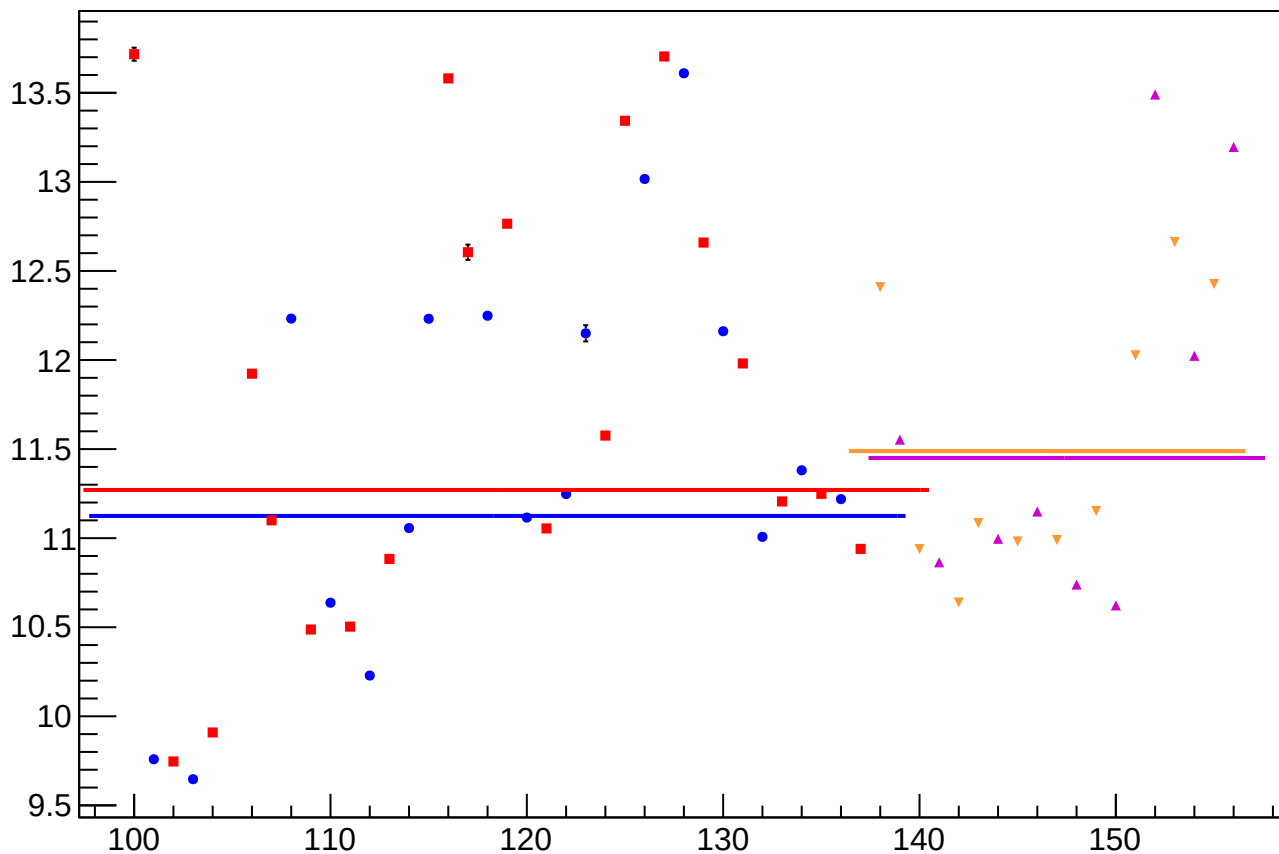
Left In: -8.810 ± 4.264 χ^2/NDF : 7.8/8

-2.974 ± 3.050 χ^2/NDF : 22.8/26

-0.179 ± 2.143 χ^2/NDF : 71.7/55

2.546 ± 3.012 χ^2/NDF : 47.3/28

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 11.125 $\pm$ 0.003 χ^2/NDF : 132520.1/16

Left Out: 11.489 $\pm$ 0.003 χ^2/NDF : 52332.9/9

Right Out: 11.271 $\pm$ 0.003 χ^2/NDF : 148711.4/19

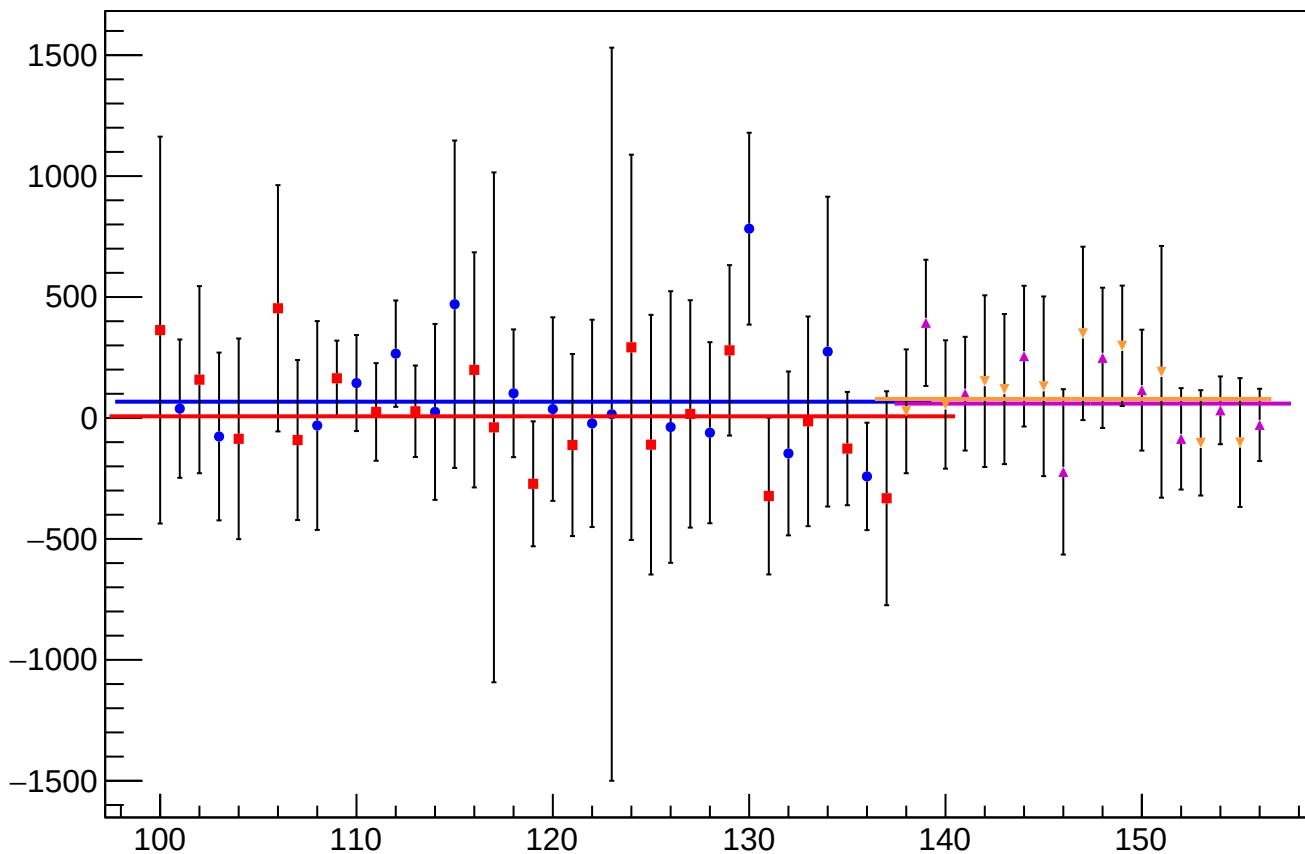
Left In: 11.450 $\pm$ 0.003 χ^2/NDF : 94022.9/8

11.310 $\pm$ 0.002 χ^2/NDF : 191978.0/26

11.336 $\pm$ 0.002 χ^2/NDF : 436751.8/55

11.360 $\pm$ 0.002 χ^2/NDF : 244506.1/28

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 78.501 $\pm$ 92.121 χ^2 /NDF: 2.7/9

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

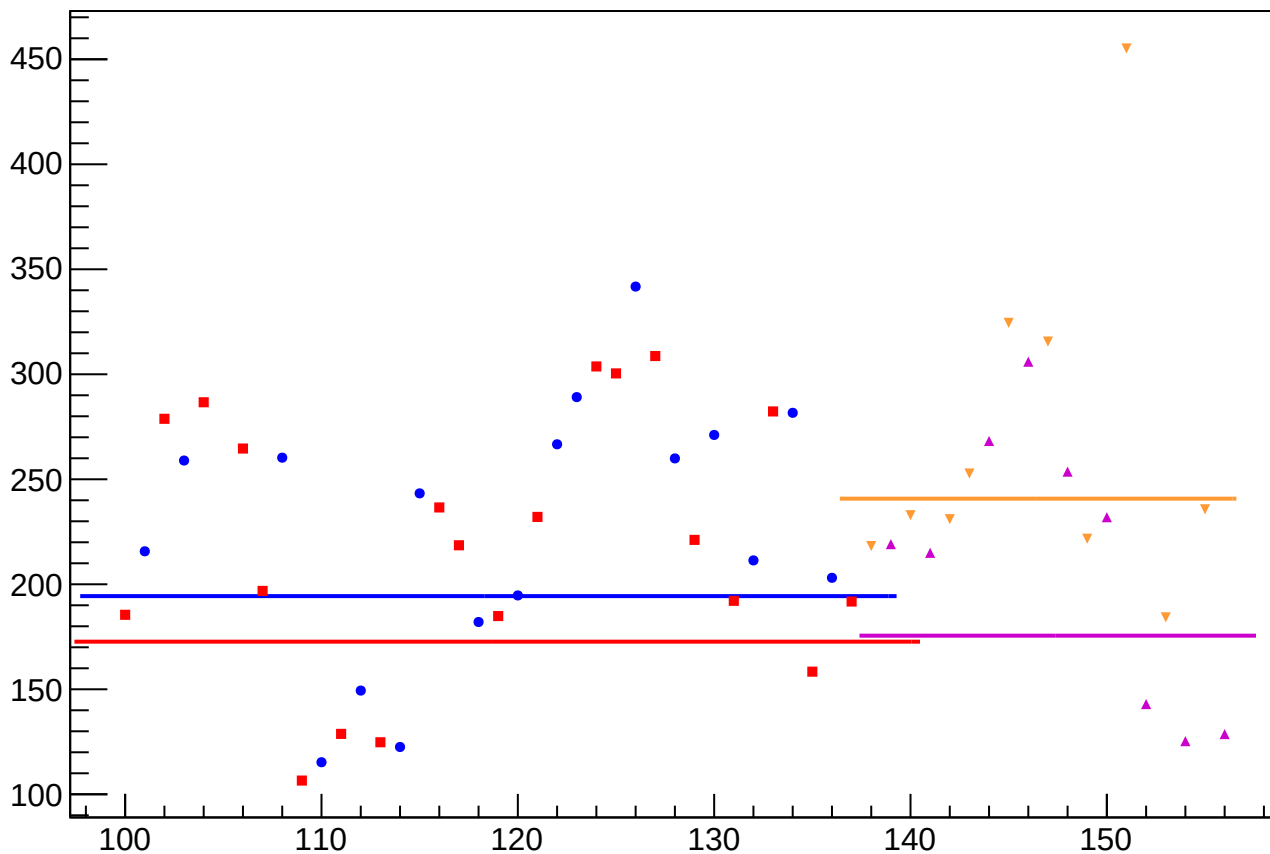
Left In: 59.503 $\pm$ 70.794 χ^2 /NDF: 4.1/8

72.106 $\pm$ 60.324 χ^2 /NDF: 10.2/26

48.785 $\pm$ 38.402 χ^2 /NDF: 21.3/55

32.894 $\pm$ 49.796 χ^2 /NDF: 10.9/28

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.365 +/- 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

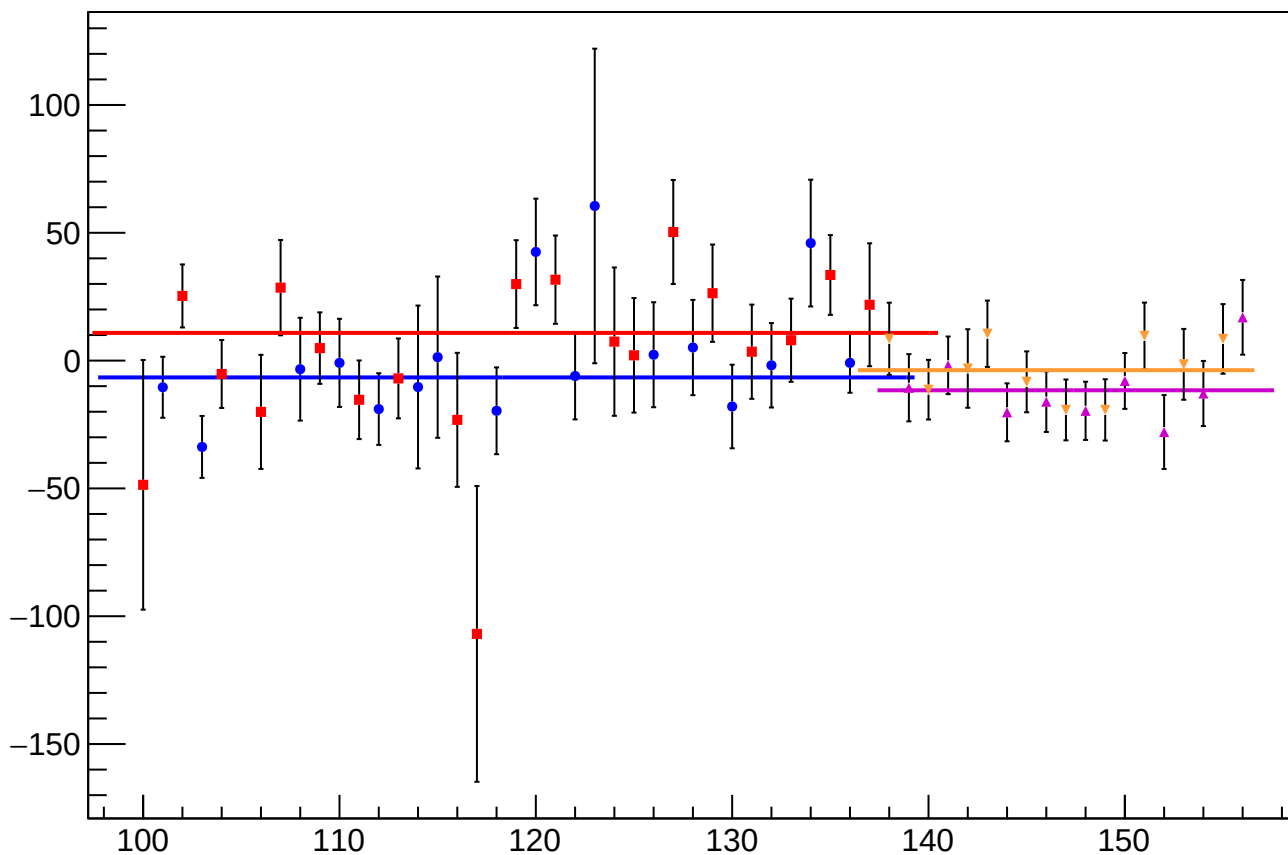
Left In: 175.534 +/- 0.050 χ^2/NDF : 1355656.0/8

214.267 +/- 0.043 χ^2/NDF : 1992312.0/26

190.372 +/- 0.027 χ^2/NDF : 5450708.2/55

174.090 +/- 0.035 χ^2/NDF : 2930762.8/28

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.575 $\pm$ 4.157 χ^2 /NDF: 19.3/16

Left Out: -3.744 $\pm$ 4.079 χ^2 /NDF: 7.8/9

Right Out: 10.838 $\pm$ 4.070 χ^2 /NDF: 27.1/19

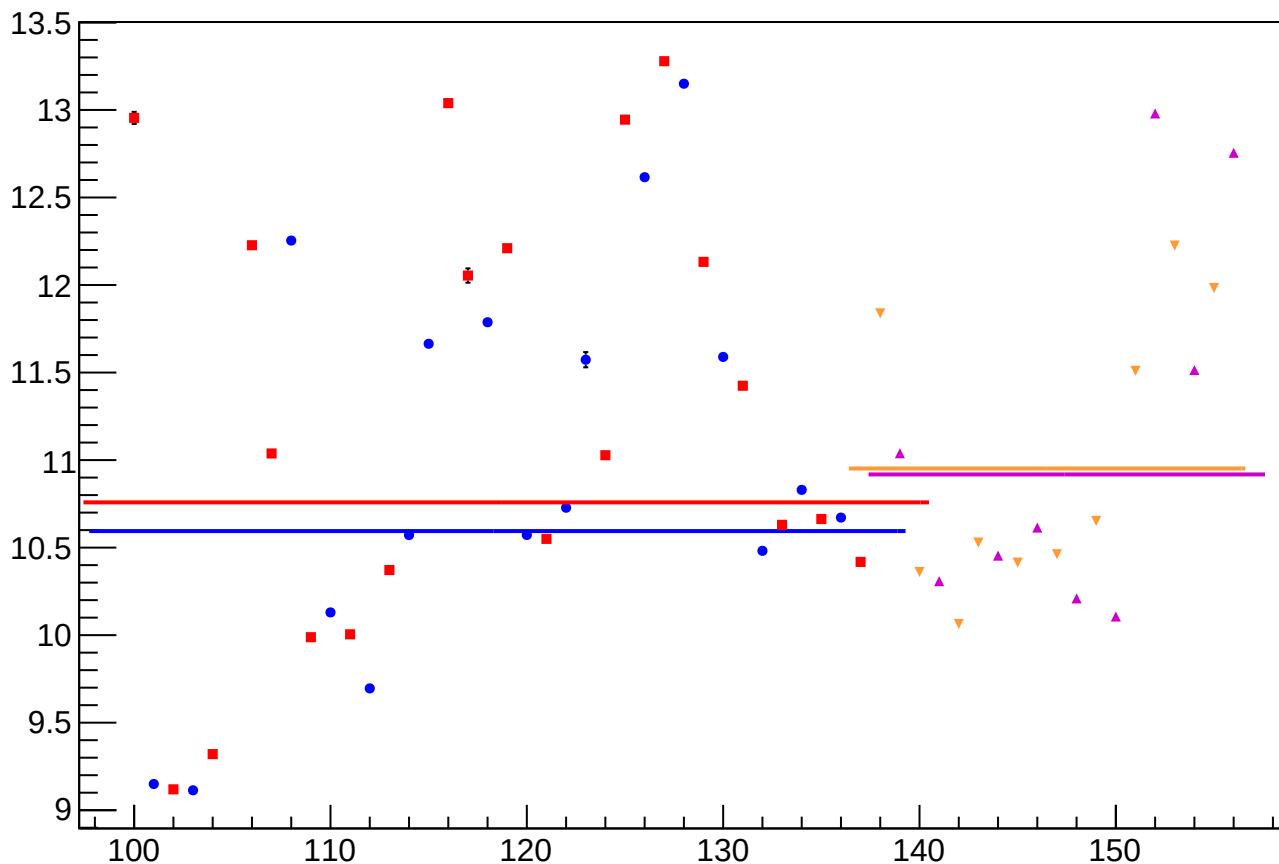
Left In: -11.612 $\pm$ 4.073 χ^2 /NDF: 7.2/8

-5.133 $\pm$ 2.912 χ^2 /NDF: 27.4/26

-2.729 $\pm$ 2.047 χ^2 /NDF: 78.2/55

-0.378 $\pm$ 2.879 χ^2 /NDF: 49.5/28

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.594 $\pm$ 0.003 χ^2 /NDF: 160059.2/16

Left Out: 10.952 $\pm$ 0.003 χ^2 /NDF:62572.0/9

Right Out: 10.758 $\pm$ 0.003 χ^2 /NDF: 178180.9/19

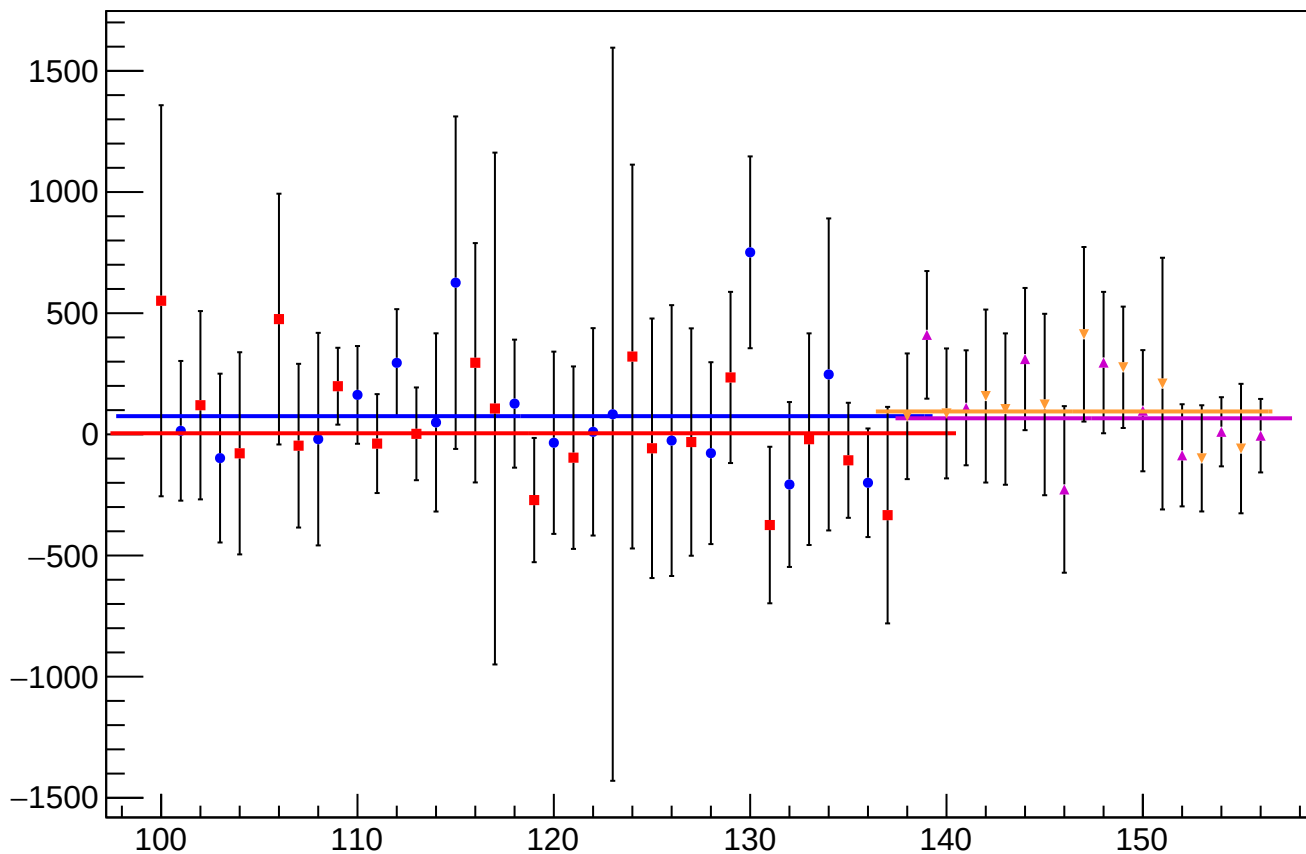
Left In: 10.918 $\pm$ 0.003 χ^2 /NDF:106136.0/8

10.777 $\pm$ 0.002 χ^2 /NDF: 230165.1/26

10.808 $\pm$ 0.001 χ^2 /NDF: 516470.0/55

10.838 $\pm$ 0.002 χ^2 /NDF: 285852.4/28

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 75.086 $\pm$ 80.352 χ^2 /NDF: 7.7/16

Left Out: 94.527 $\pm$ 92.768 χ^2 /NDF: 2.5/9

Right Out: 4.459 $\pm$ 70.724 χ^2 /NDF: 7.3/19

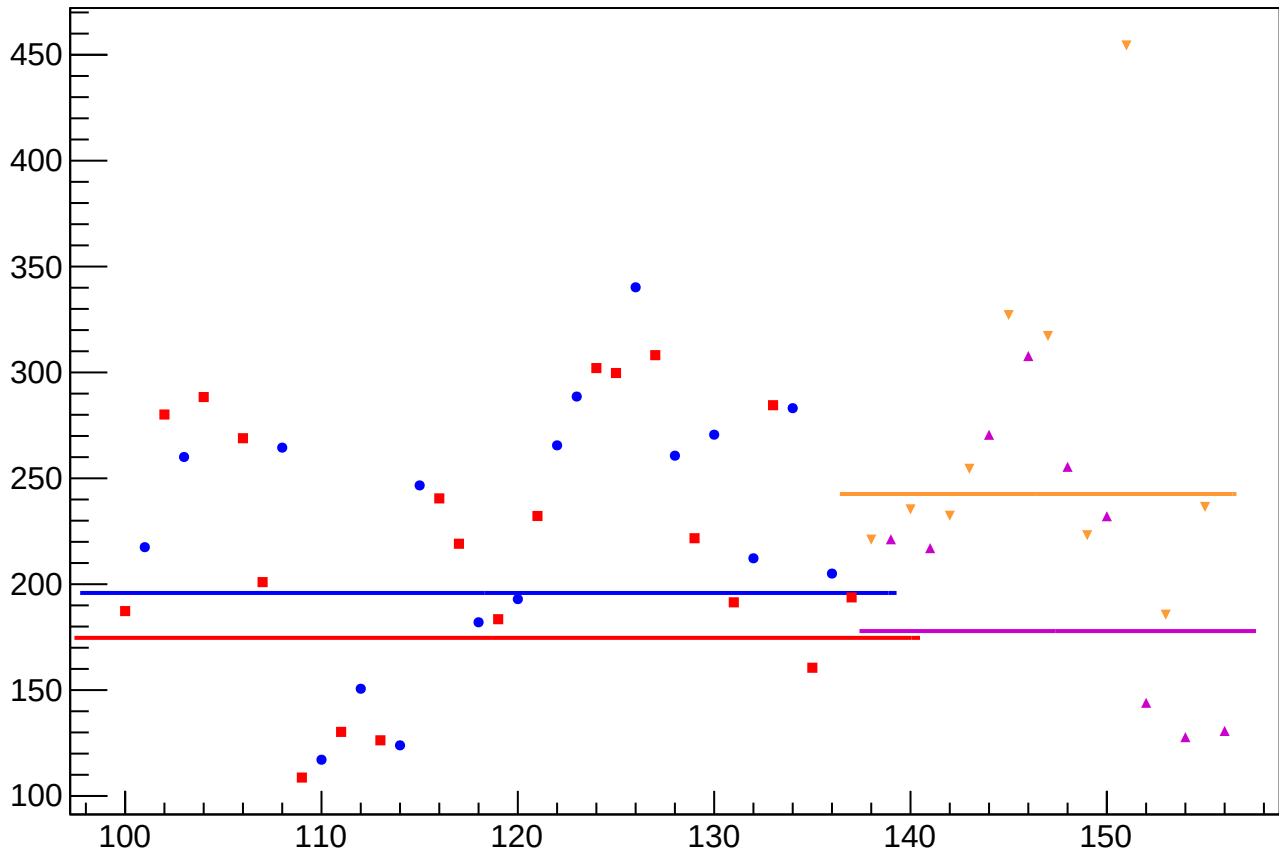
Left In: 66.283 $\pm$ 71.594 χ^2 /NDF: 4.7/8

83.419 $\pm$ 60.736 χ^2 /NDF: 10.2/26

54.701 $\pm$ 38.746 χ^2 /NDF: 23.0/55

34.993 $\pm$ 50.314 χ^2 /NDF: 12.4/28

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.869 $\pm$ 0.057 χ^2 /NDF: 979247.4/16

Left Out: 242.600 $\pm$ 0.066 χ^2 /NDF: 688503.9/9

Right Out: 174.665 $\pm$ 0.050 χ^2 /NDF: 1532335.9/19

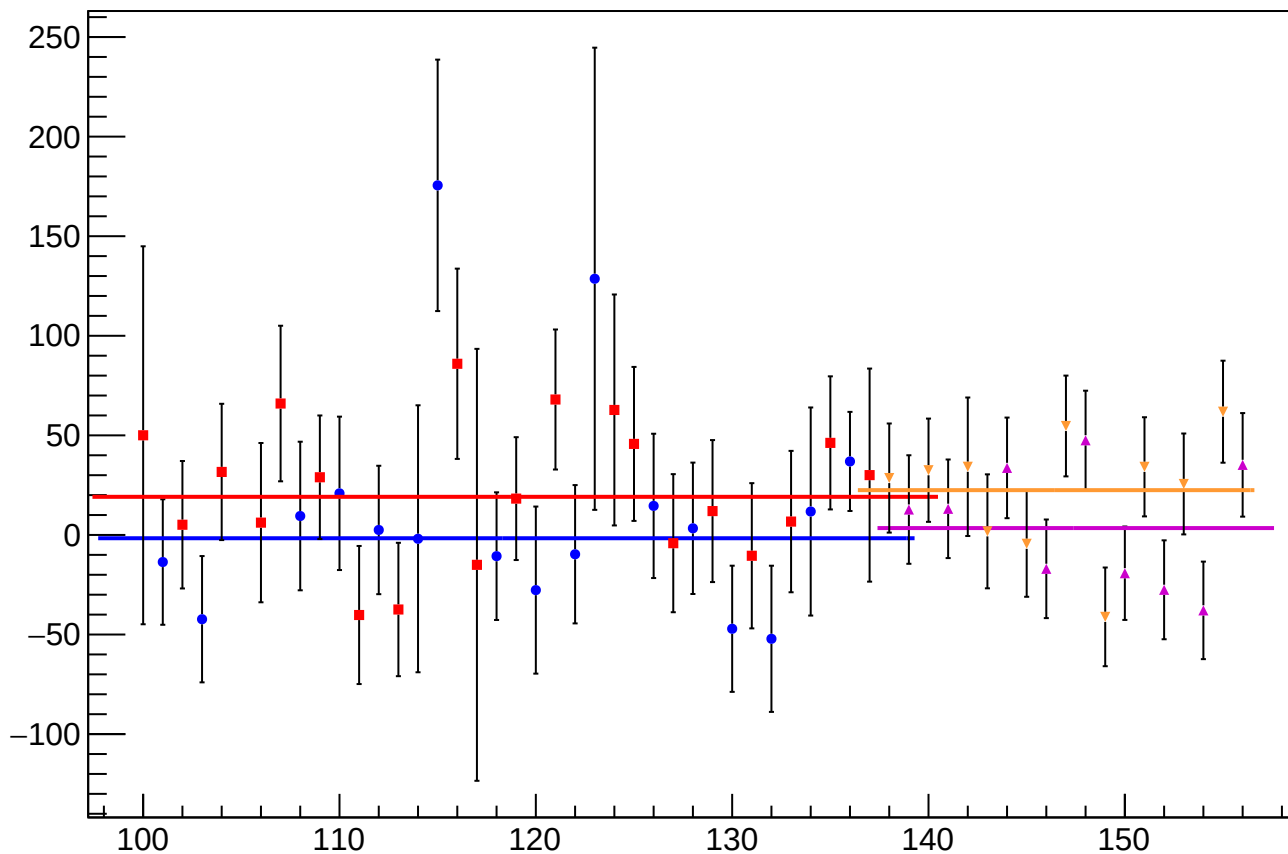
Left In: 177.880 $\pm$ 0.051 χ^2 /NDF: 1320524.6/8

215.900 $\pm$ 0.043 χ^2 /NDF: 1957723.4/26

192.388 $\pm$ 0.027 χ^2 /NDF: 5318015.3/55

176.253 $\pm$ 0.036 χ^2 /NDF: 2854901.4/28

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.654 ± 8.881 χ^2/NDF : 18.5/16

Left Out: 22.491 ± 8.401 χ^2/NDF : 12.7/9

Right Out: 19.145 ± 8.529 χ^2/NDF : 14.9/19

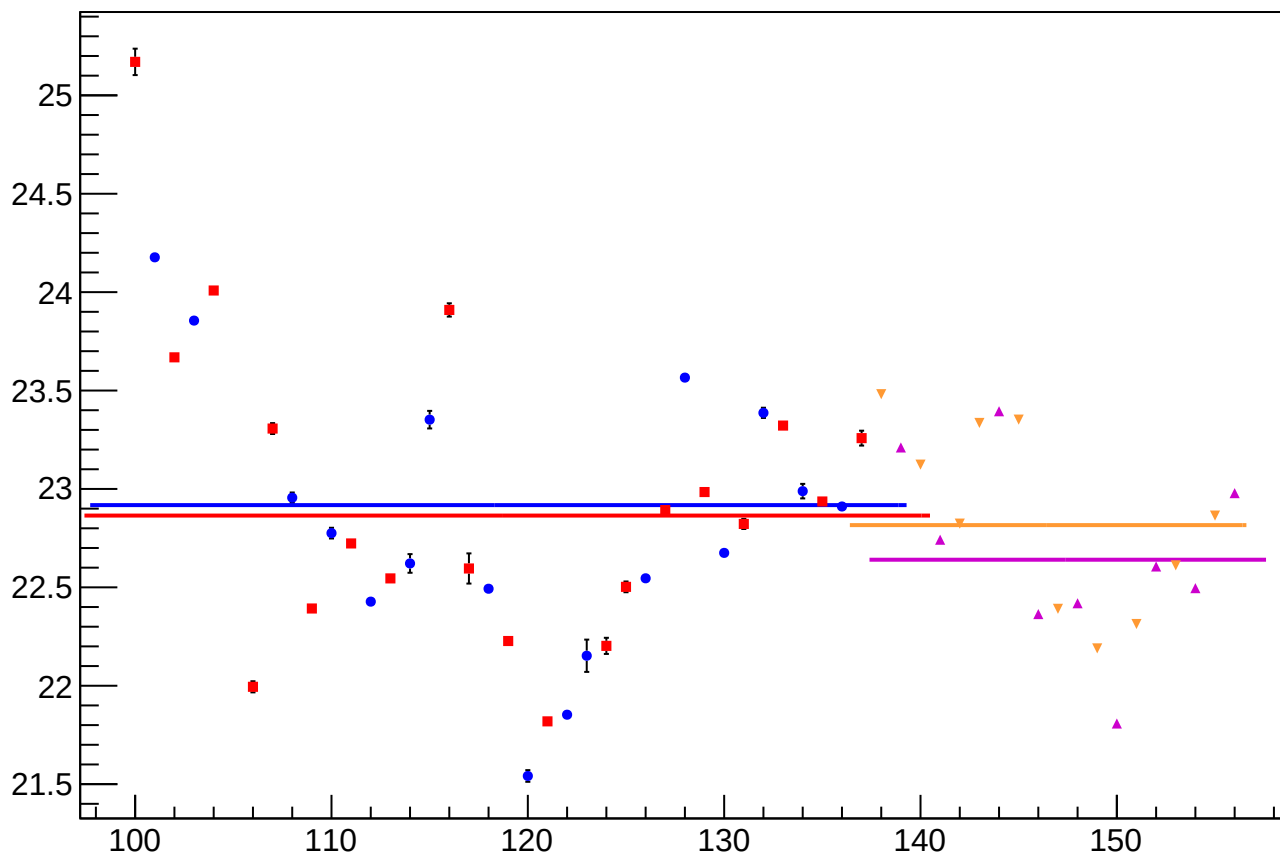
Left In: 3.451 ± 8.339 χ^2/NDF : 12.3/8

11.088 ± 6.103 χ^2/NDF : 35.1/26

11.105 ± 4.265 χ^2/NDF : 64.1/55

11.121 ± 5.963 χ^2/NDF : 28.9/28

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.918 $\pm$ 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

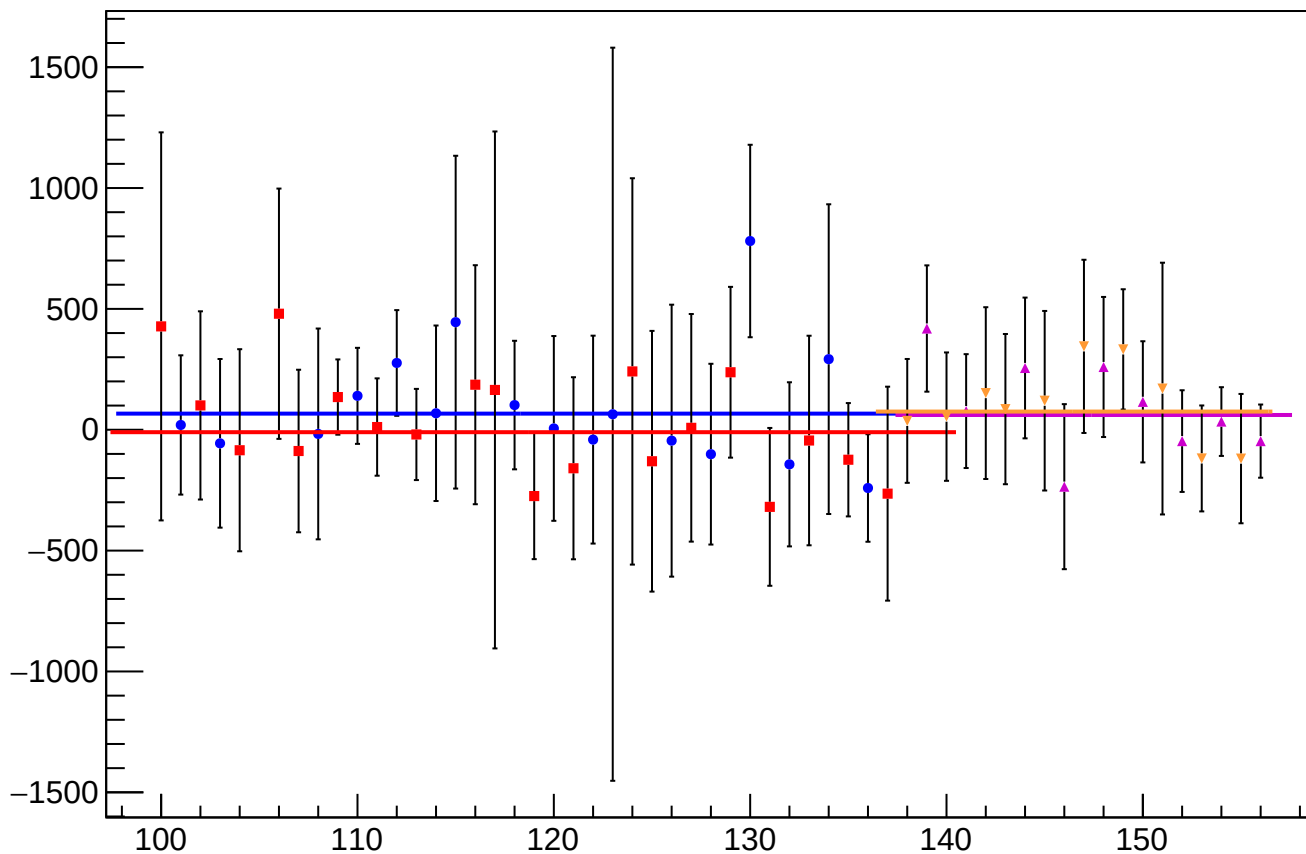
Left In: 22.640 $\pm$ 0.006 χ^2 /NDF: 6031.8/8

22.864 $\pm$ 0.004 χ^2 /NDF: 17336.7/26

22.806 $\pm$ 0.003 χ^2 /NDF: 35499.3/55

22.750 $\pm$ 0.004 χ^2 /NDF: 17804.3/28

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 66.701 $\pm$ 79.995 χ^2 /NDF: 7.5/16

Left Out: 75.218 $\pm$ 92.304 χ^2 /NDF: 3.1/9

Right Out: -10.113 $\pm$ 70.234 χ^2 /NDF: 5.7/19

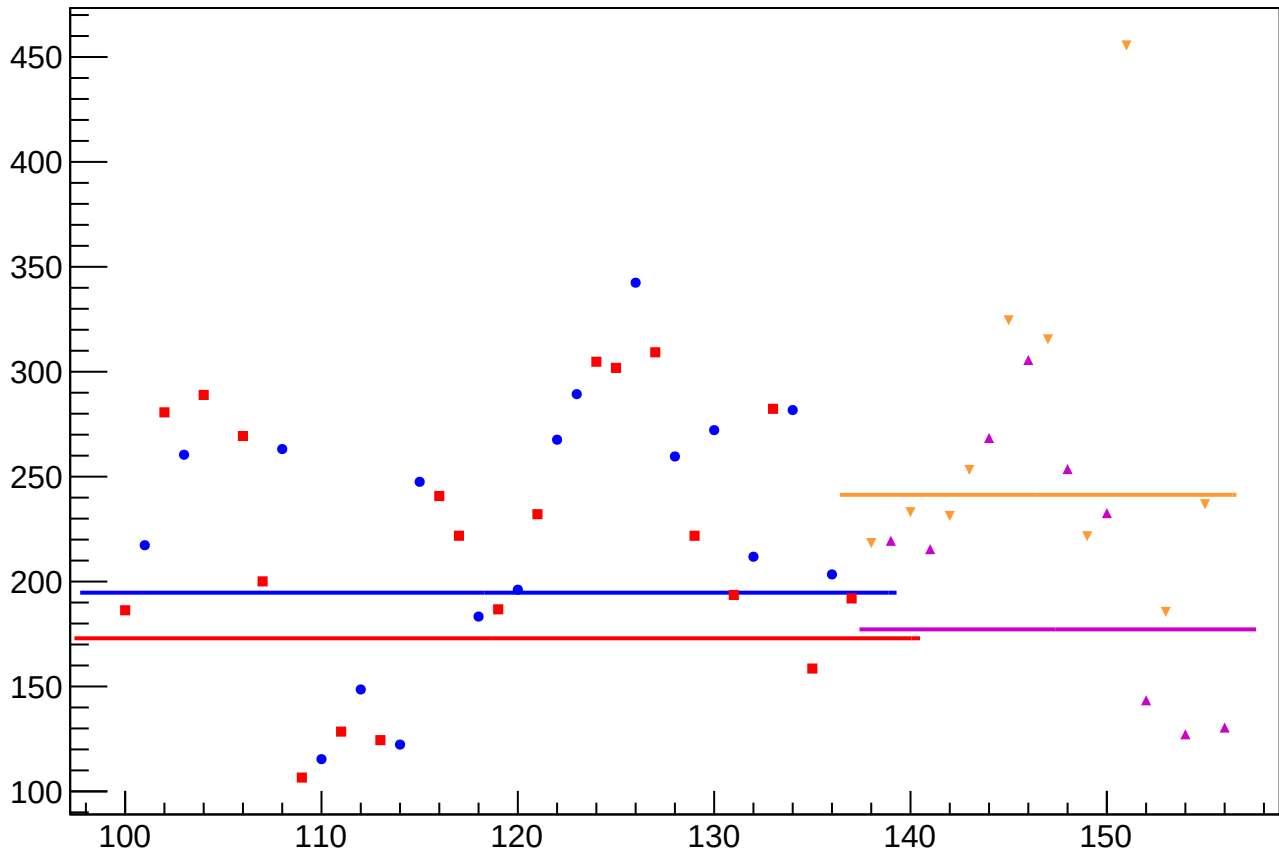
Left In: 61.083 $\pm$ 71.322 χ^2 /NDF: 4.4/8

70.354 $\pm$ 60.452 χ^2 /NDF: 10.6/26

43.405 $\pm$ 38.549 χ^2 /NDF: 21.6/55

24.938 $\pm$ 50.043 χ^2 /NDF: 10.6/28

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.703+/-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

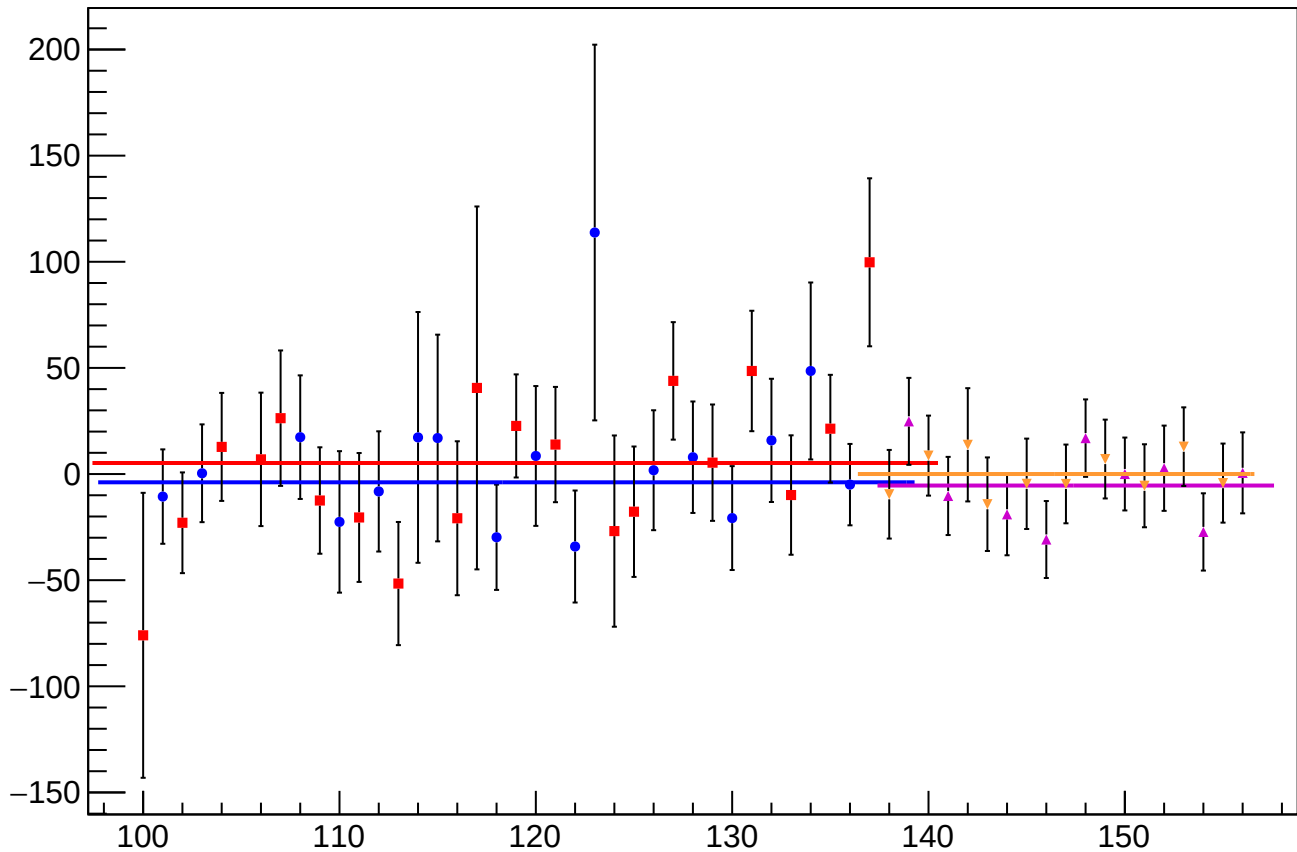
Left In: 177.205+/-0.050 χ^2/NDF : 1310829.4/8

214.710+/-0.043 χ^2/NDF : 2000992.8/26

191.178+/-0.027 χ^2/NDF : 5427289.8/55

175.052+/-0.035 χ^2/NDF : 2915559.3/28

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.894 ± 6.915 χ^2/NDF : 8.4/16

Left Out: 0.013 ± 6.325 χ^2/NDF : 2.0/9

Right Out: 5.204 ± 6.706 χ^2/NDF : 21.5/19

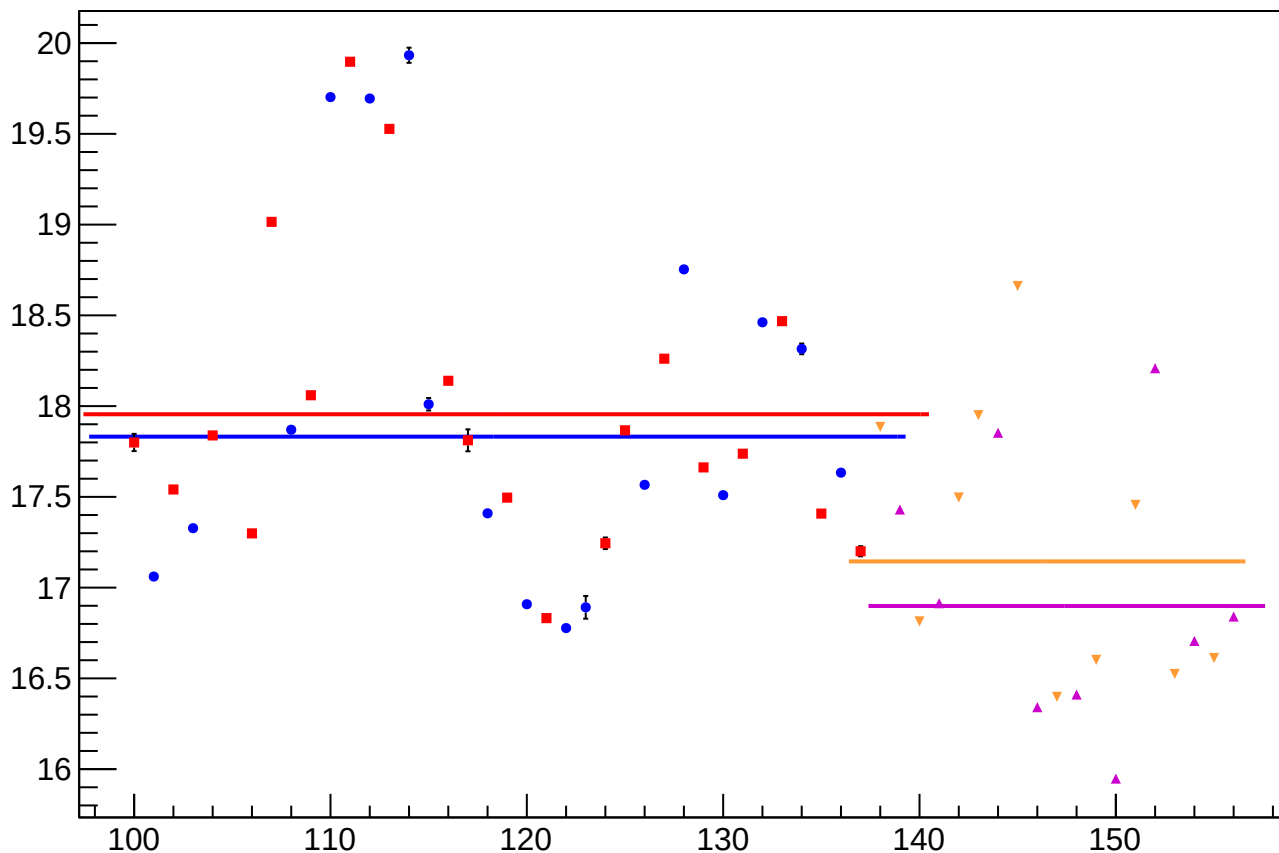
Left In: -5.415 ± 6.237 χ^2/NDF : 8.0/8

-1.767 ± 4.667 χ^2/NDF : 10.5/26

-1.114 ± 3.264 χ^2/NDF : 41.4/55

-0.489 ± 4.567 χ^2/NDF : 30.9/28

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.832 $\pm$ 0.005 χ^2 /NDF: 30863.4/16

Left Out: 17.144 $\pm$ 0.004 χ^2 /NDF: 25636.9/9

Right Out: 17.955 $\pm$ 0.005 χ^2 /NDF: 25454.6/19

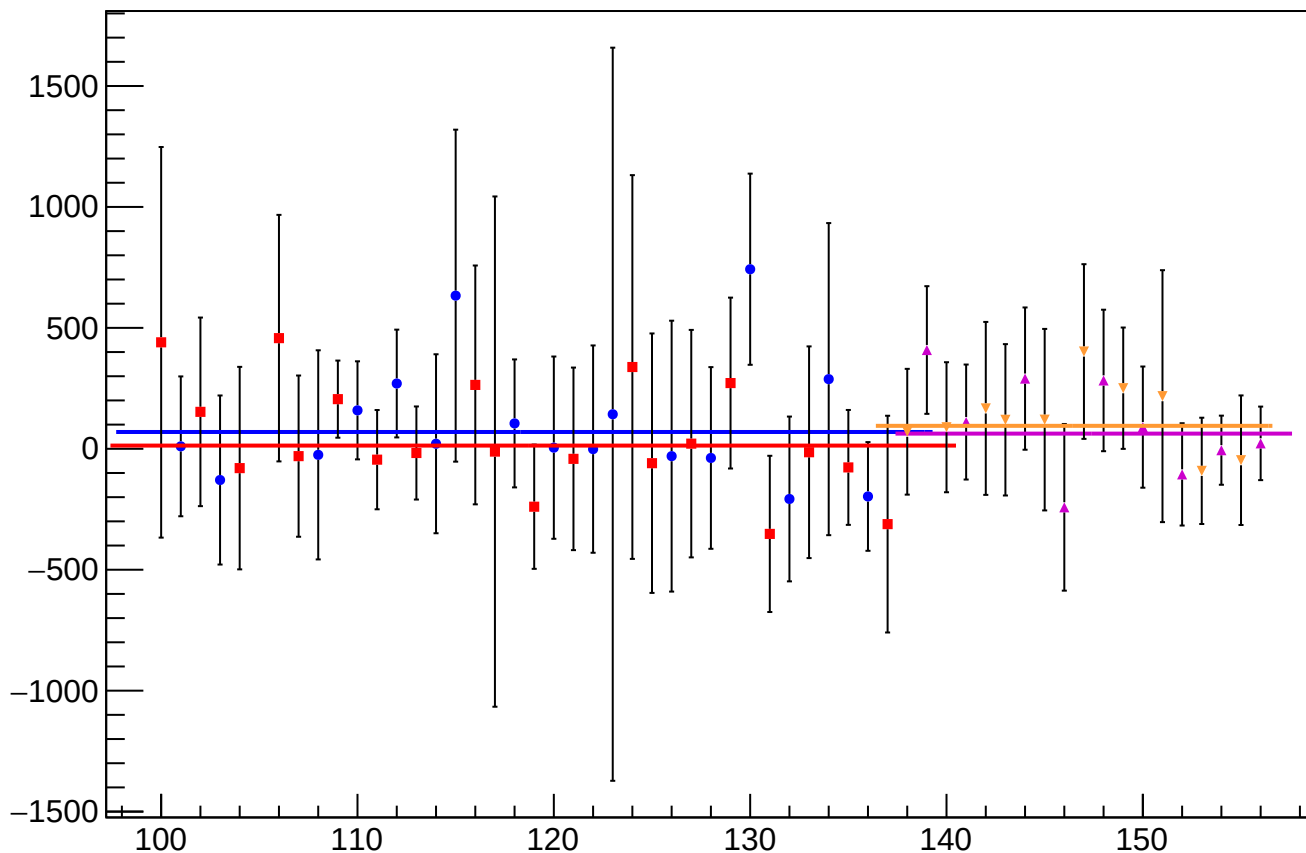
Left In: 16.899 $\pm$ 0.004 χ^2 /NDF: 24450.8/8

17.458 $\pm$ 0.003 χ^2 /NDF: 67256.9/26

17.422 $\pm$ 0.002 χ^2 /NDF: 143995.5/55

17.389 $\pm$ 0.003 χ^2 /NDF: 76516.2/28

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 69.511 $\pm$ 80.550 χ^2 /NDF: 7.4/16

Left Out: 94.968 $\pm$ 92.982 χ^2 /NDF: 2.2/9

Right Out: 13.298 $\pm$ 70.881 χ^2 /NDF: 6.7/19

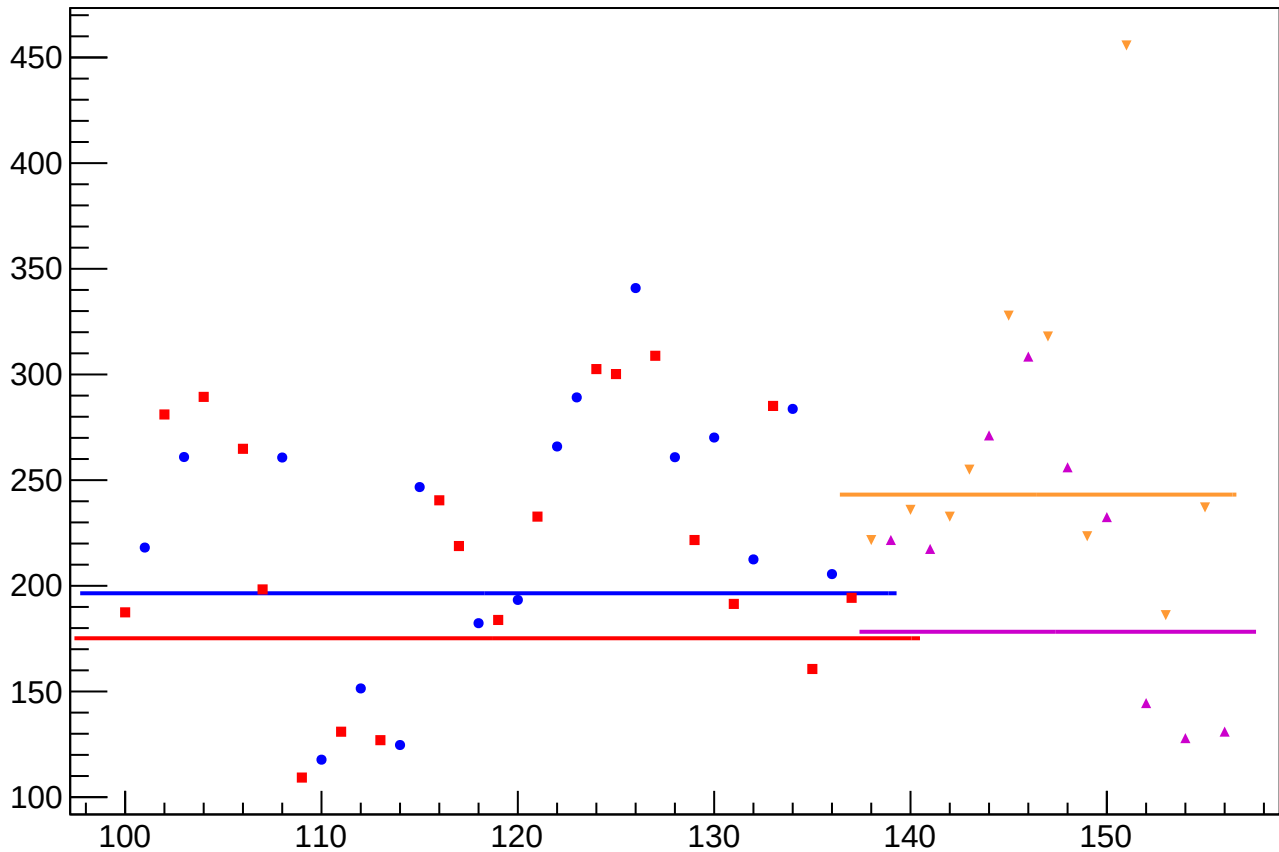
Left In: 62.773 $\pm$ 71.747 χ^2 /NDF: 4.6/8

80.425 $\pm$ 60.882 χ^2 /NDF: 9.6/26

55.104 $\pm$ 38.834 χ^2 /NDF: 21.5/55

37.735 $\pm$ 50.424 χ^2 /NDF: 11.6/28

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.470 $\pm$ 0.057 χ^2 /NDF: 964281.5/16

Left Out: 243.159 $\pm$ 0.066 χ^2 /NDF:688551.3/9

Right Out: 175.179 $\pm$ 0.050 χ^2 /NDF: 1514541.6/19

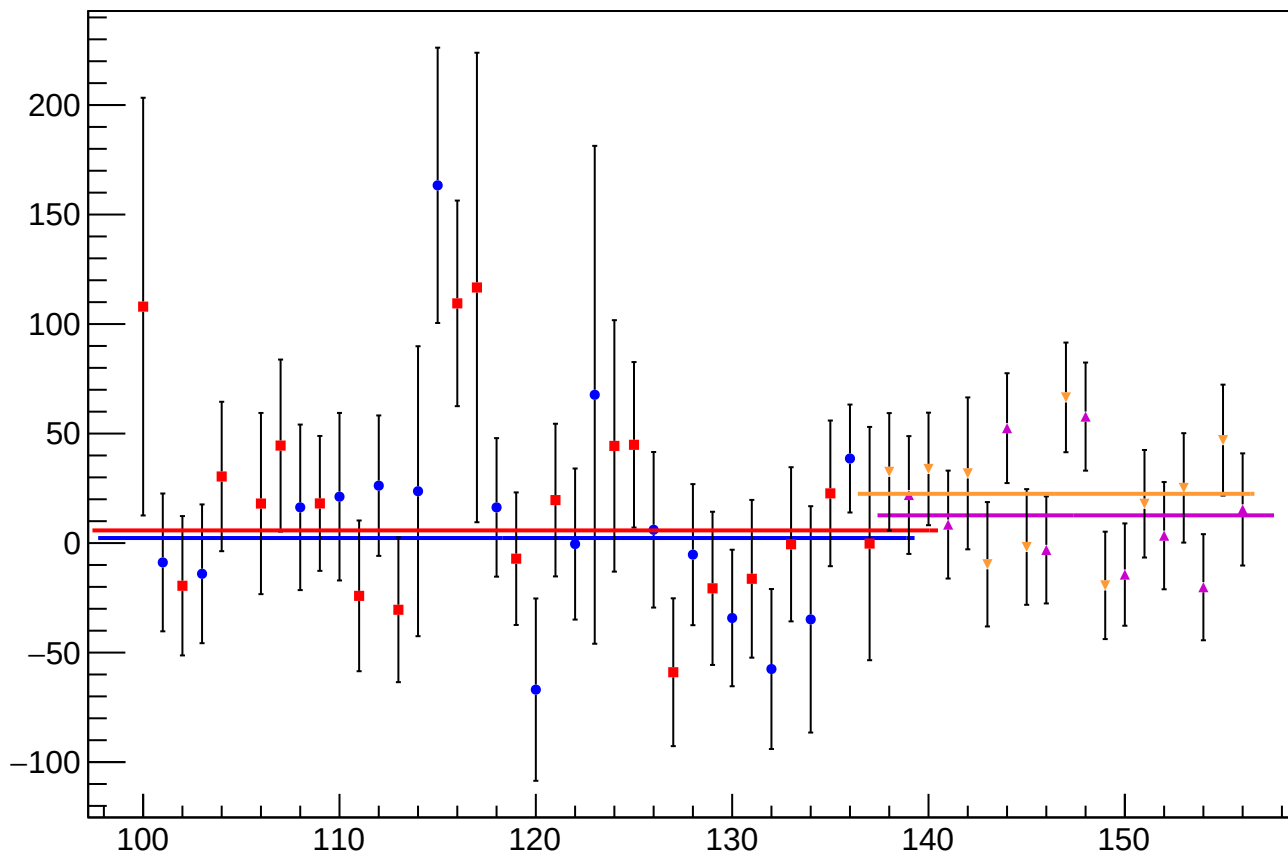
Left In: 178.255 $\pm$ 0.051 χ^2 /NDF:1321214.3/8

216.487 $\pm$ 0.043 χ^2 /NDF: 1940903.0/26

192.887 $\pm$ 0.027 χ^2 /NDF: 5285188.5/55

176.698 $\pm$ 0.036 χ^2 /NDF: 2837616.1/28

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.307 ± 8.805 $\chi^2/\text{NDF}: 18.1/16$

Left Out: 22.493 ± 8.306 $\chi^2/\text{NDF}: 9.5/9$

Right Out: 5.783 ± 8.453 $\chi^2/\text{NDF}: 18.2/19$

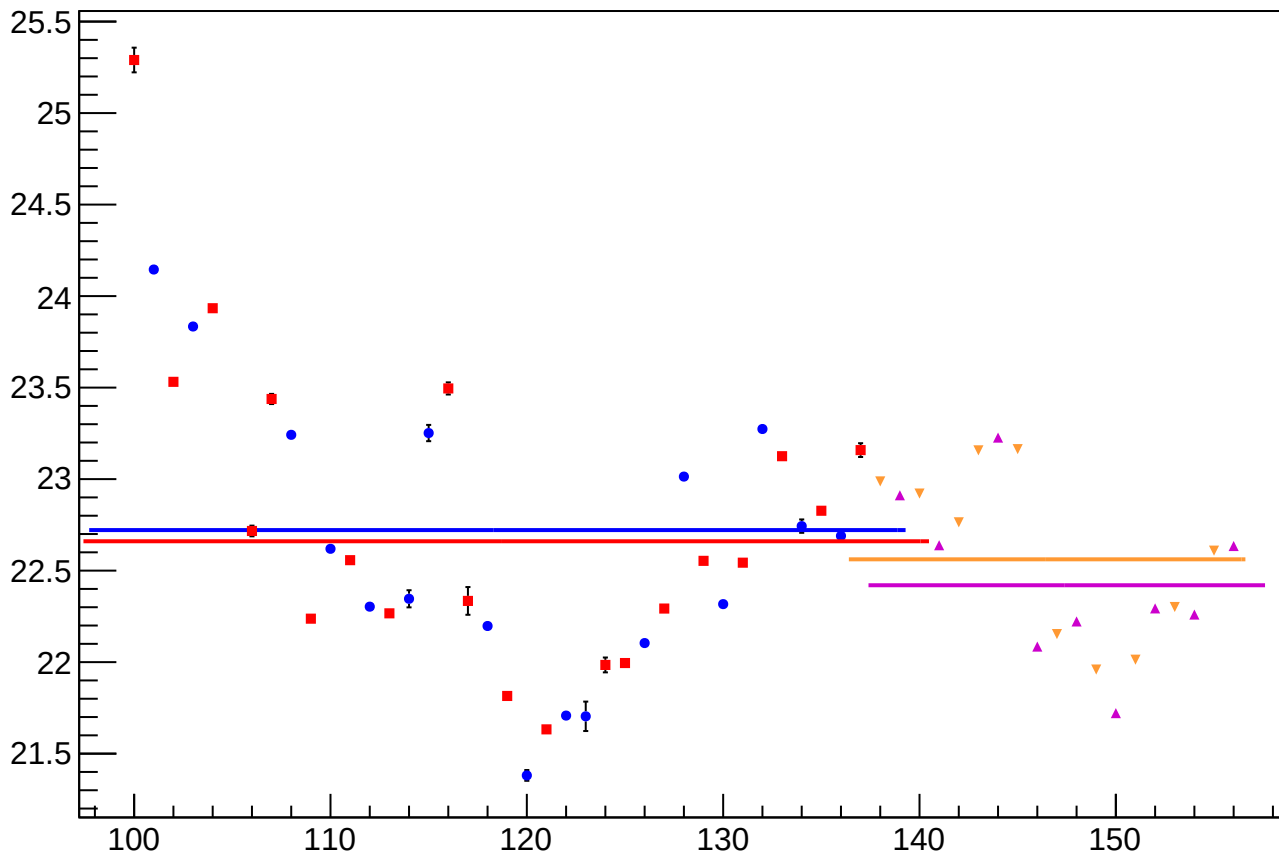
Left In: 12.660 ± 8.257 $\chi^2/\text{NDF}: 9.8/8$

12.988 ± 6.042 $\chi^2/\text{NDF}: 30.4/26$

11.103 ± 4.224 $\chi^2/\text{NDF}: 58.9/55$

9.302 ± 5.907 $\chi^2/\text{NDF}: 28.3/28$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.722+/-0.006 χ^2/NDF : 13580.6/16

Left Out: 22.562+/-0.006 χ^2/NDF : 5844.1/9

Right Out: 22.660+/-0.006 χ^2/NDF : 12974.2/19

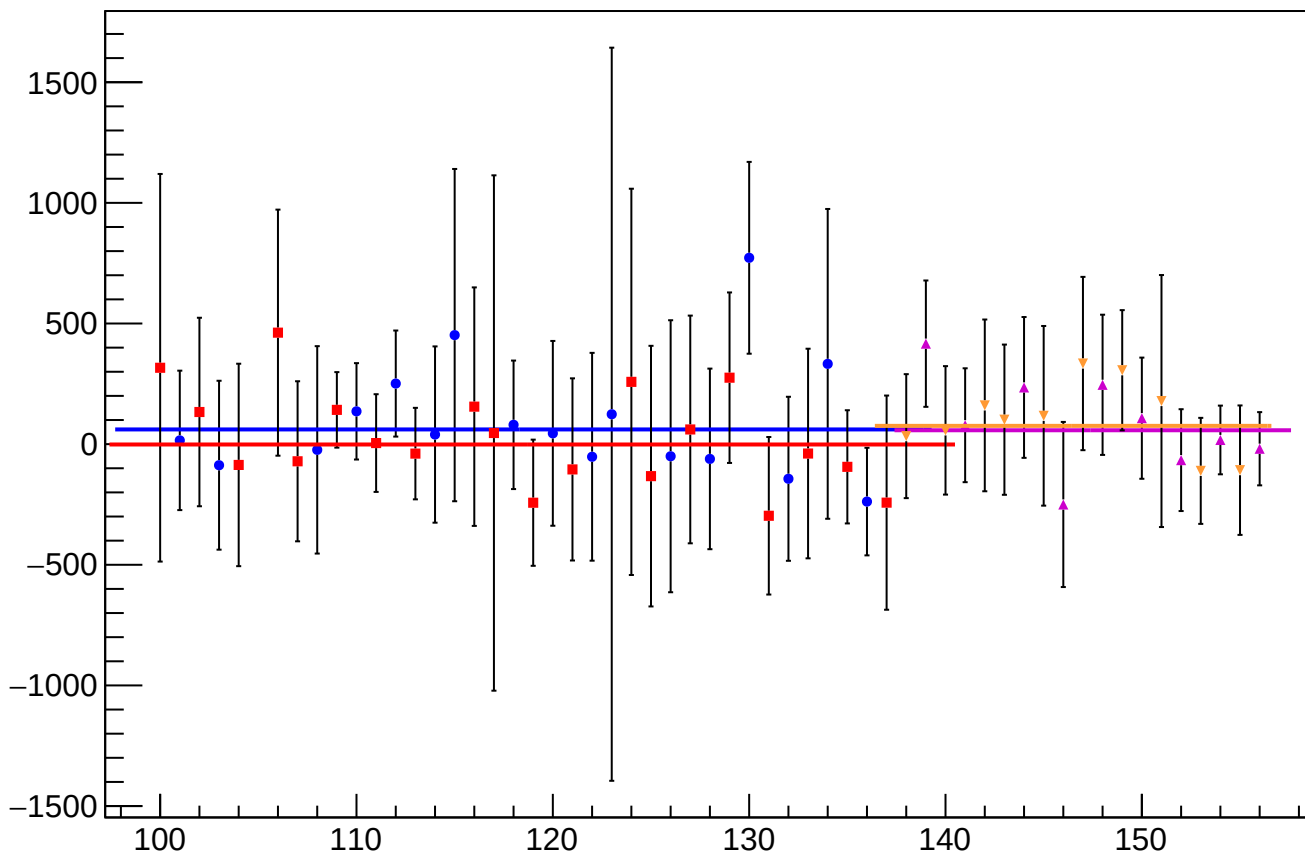
Left In: 22.420+/-0.006 χ^2/NDF : 5470.7/8

22.637+/-0.004 χ^2/NDF : 19773.2/26

22.586+/-0.003 χ^2/NDF : 39322.7/55

22.537+/-0.004 χ^2/NDF : 19272.0/28

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 60.960 $\pm$ 80.197 χ^2 /NDF: 7.2/16

Left Out: 75.781 $\pm$ 92.517 χ^2 /NDF: 2.7/9

Right Out: -1.439 $\pm$ 70.395 χ^2 /NDF: 5.2/19

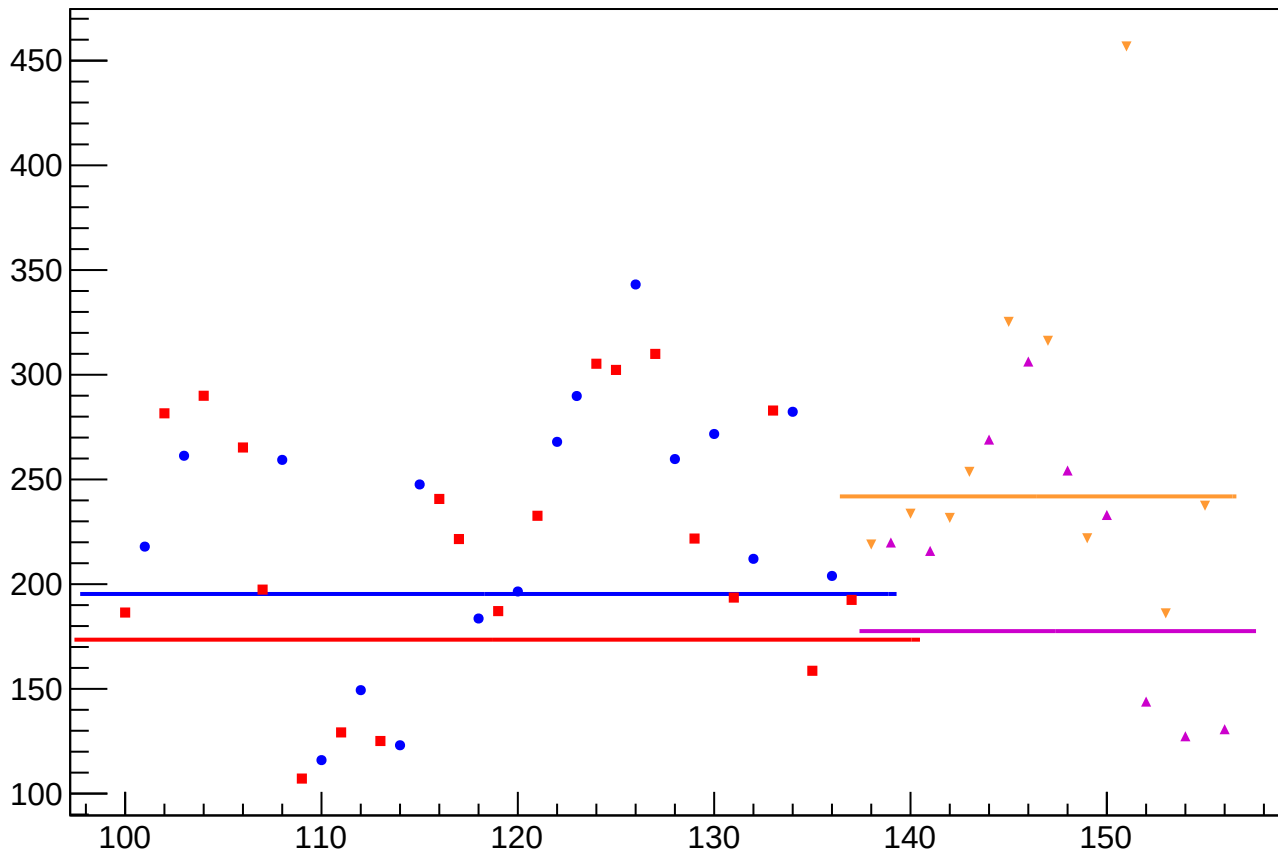
Left In: 57.541 $\pm$ 71.475 χ^2 /NDF: 4.2/8

67.319 $\pm$ 60.599 χ^2 /NDF: 9.9/26

43.748 $\pm$ 38.638 χ^2 /NDF: 19.9/55

27.602 $\pm$ 50.155 χ^2 /NDF: 9.7/28

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.316+/-0.057 χ^2/NDF : 1004211.5/16

Left Out: 241.906+/-0.065 χ^2/NDF : 689528.6/9

Right Out: 173.495+/-0.050 χ^2/NDF : 1582449.6/19

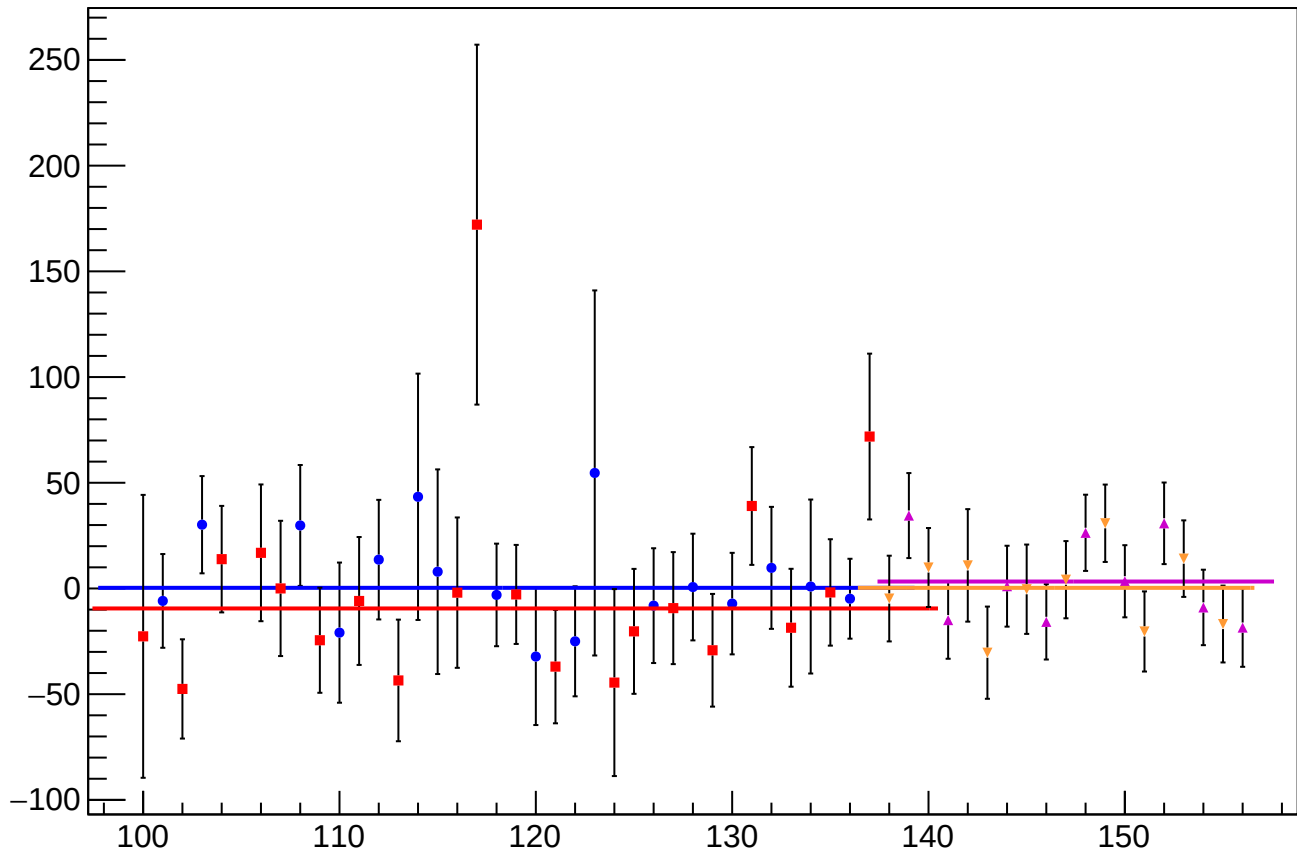
Left In: 177.580+/-0.051 χ^2/NDF : 1311594.8/8

215.304+/-0.043 χ^2/NDF : 1983331.3/26

191.685+/-0.027 χ^2/NDF : 5392633.5/55

175.506+/-0.035 χ^2/NDF : 2897360.5/28

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.305 ± 6.812 χ^2/NDF : 6.8/16

Left Out: 0.296 ± 6.213 χ^2/NDF : 8.0/9

Right Out: -9.452 ± 6.608 χ^2/NDF : 20.6/19

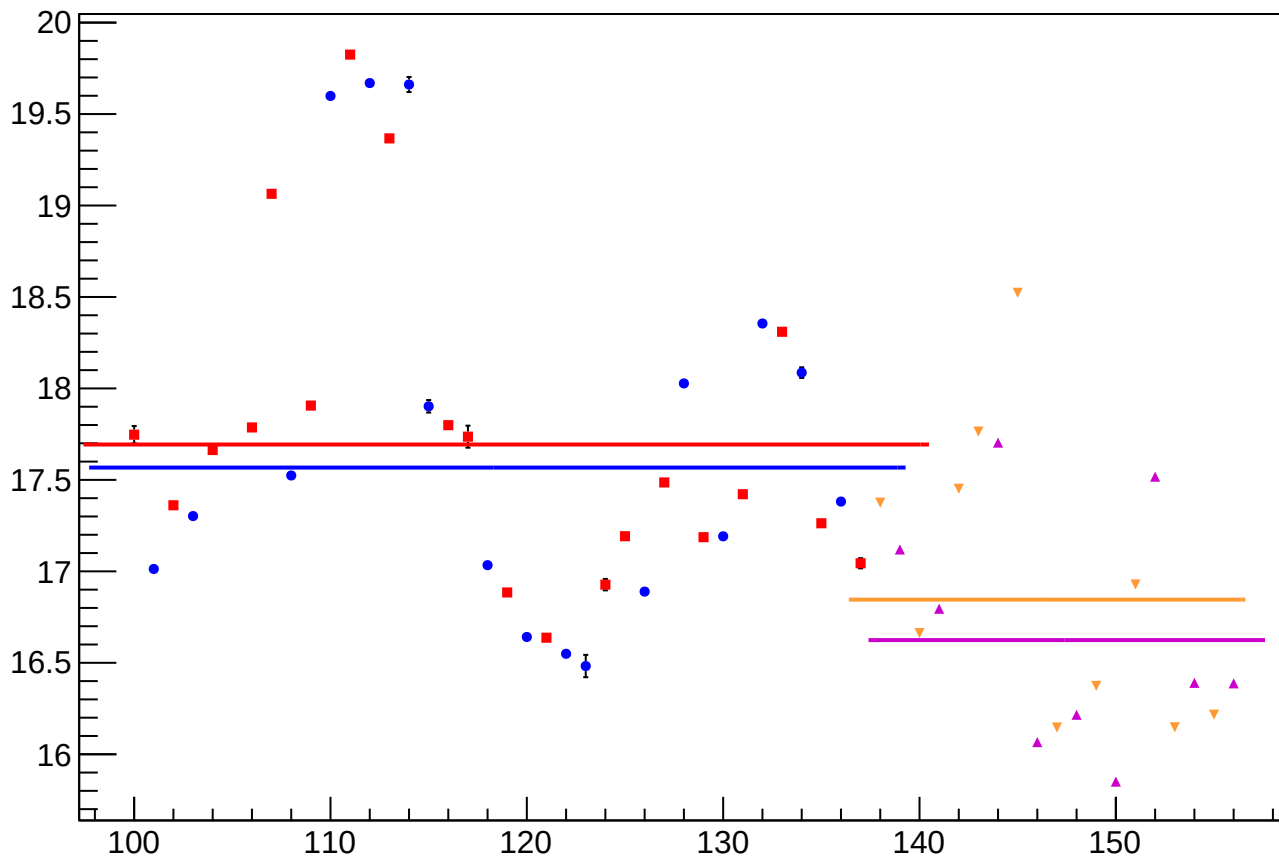
Left In: 3.288 ± 6.133 χ^2/NDF : 10.1/8

0.300 ± 4.591 χ^2/NDF : 14.7/26

-1.184 ± 3.212 χ^2/NDF : 47.6/55

-2.607 ± 4.495 χ^2/NDF : 32.7/28

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.567 $\pm$ 0.005 χ^2 /NDF: 33145.0/16

Left Out: 16.845 $\pm$ 0.004 χ^2 /NDF: 28413.3/9

Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30767.6/19

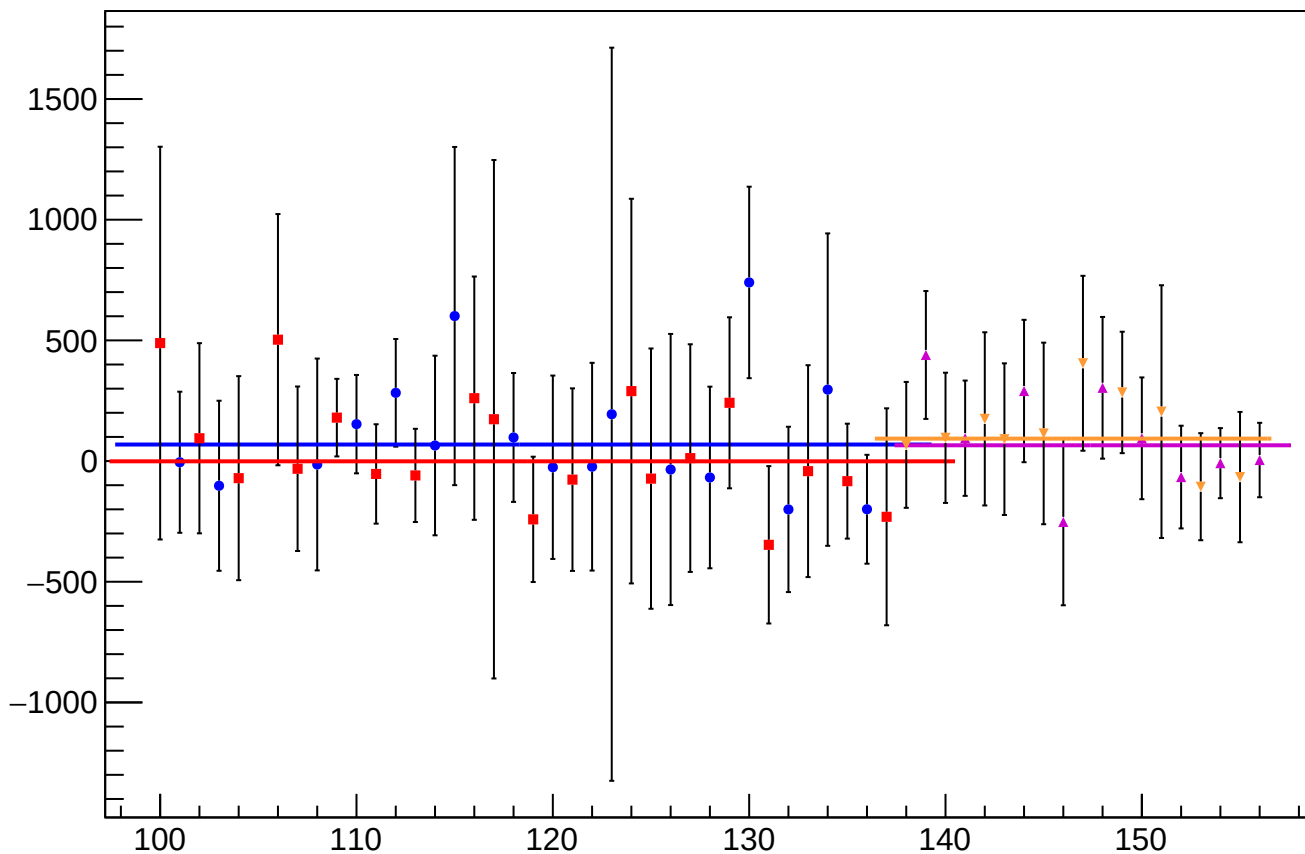
Left In: 16.624 $\pm$ 0.004 χ^2 /NDF: 19810.1/8

17.173 $\pm$ 0.003 χ^2 /NDF: 73819.9/26

17.146 $\pm$ 0.002 χ^2 /NDF: 152677.1/55

17.119 $\pm$ 0.003 χ^2 /NDF: 78714.3/28

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 68.553 $\pm$ 81.018 χ^2 /NDF: 7.3/16

Left Out: 93.020 $\pm$ 93.439 χ^2 /NDF: 2.6/9

Right Out: -1.057 $\pm$ 71.380 χ^2 /NDF: 6.1/19

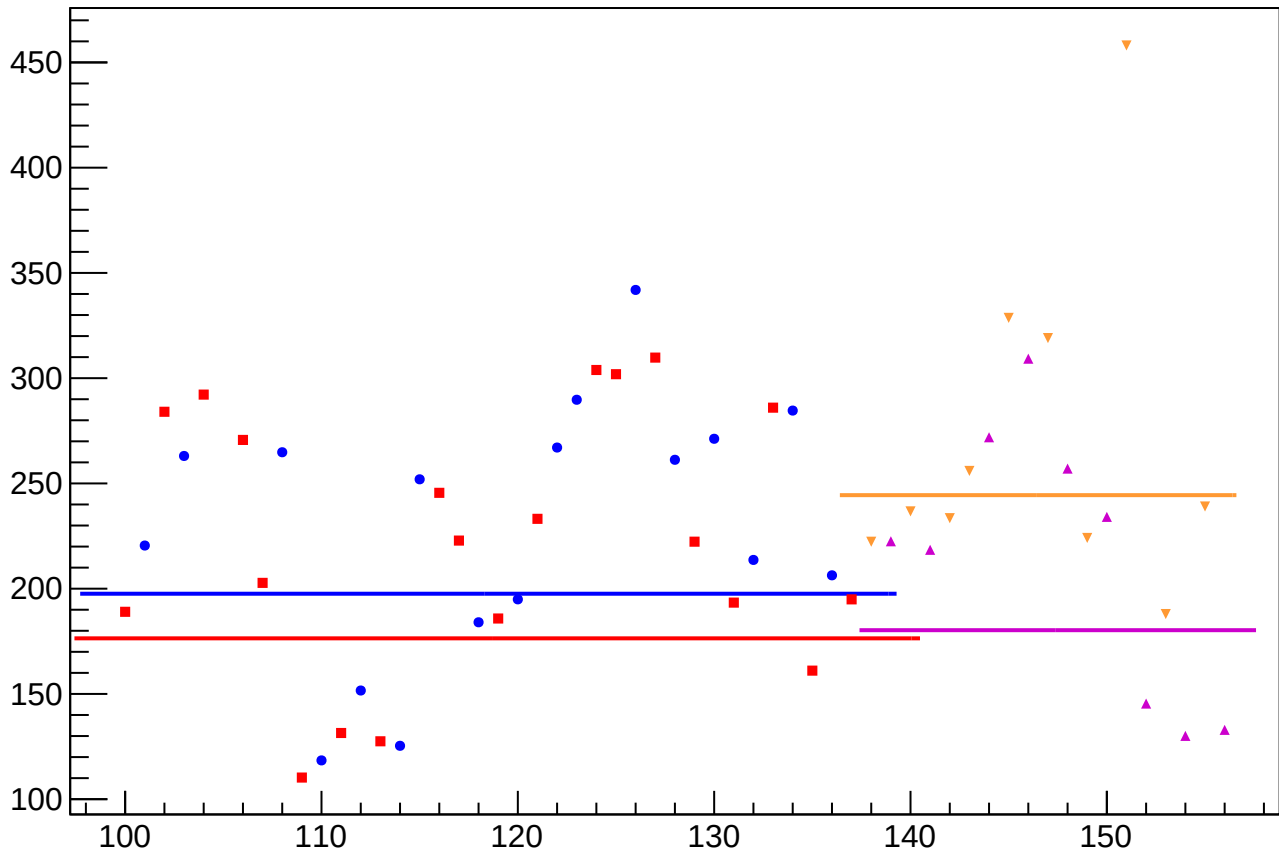
Left In: 65.368 $\pm$ 72.441 χ^2 /NDF: 4.9/8

79.054 $\pm$ 61.212 χ^2 /NDF: 9.9/26

51.012 $\pm$ 39.112 χ^2 /NDF: 21.8/55

31.665 $\pm$ 50.844 χ^2 /NDF: 11.5/28

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.603 $\pm$ 0.057 χ^2 /NDF: 968827.8/16

Left Out: 244.431 $\pm$ 0.066 χ^2 /NDF: 682209.1/9

Right Out: 176.407 $\pm$ 0.050 χ^2 /NDF: 1523589.5/19

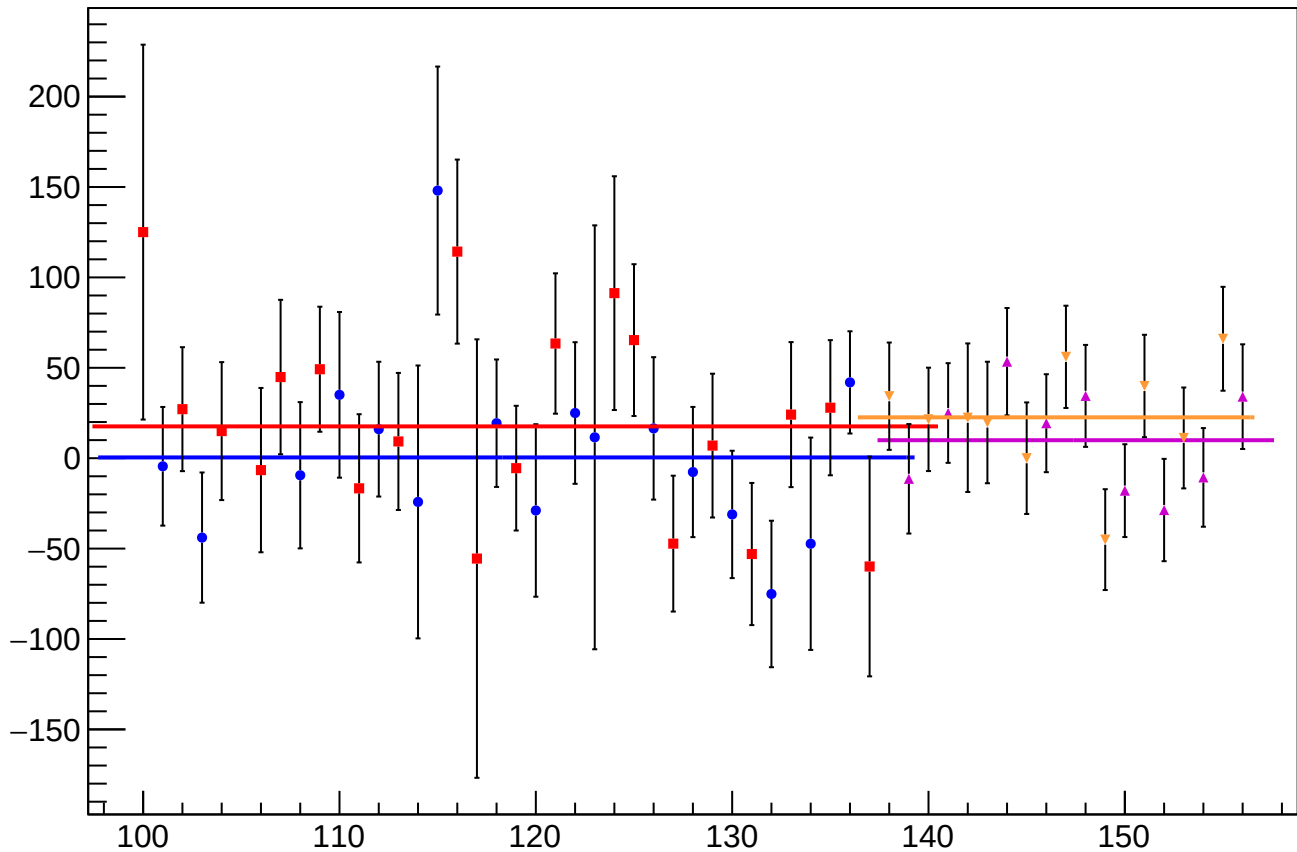
Left In: 180.284 $\pm$ 0.051 χ^2 /NDF: 1283168.6/8

217.700 $\pm$ 0.043 χ^2 /NDF: 1937774.5/26

194.395 $\pm$ 0.028 χ^2 /NDF: 5237334.0/55

178.317 $\pm$ 0.036 χ^2 /NDF: 2809663.6/28

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.427 ± 9.884 χ^2/NDF : 15.5/16

Left Out: 22.599 ± 9.464 χ^2/NDF : 10.8/9

Right Out: 17.595 ± 9.470 χ^2/NDF : 19.8/19

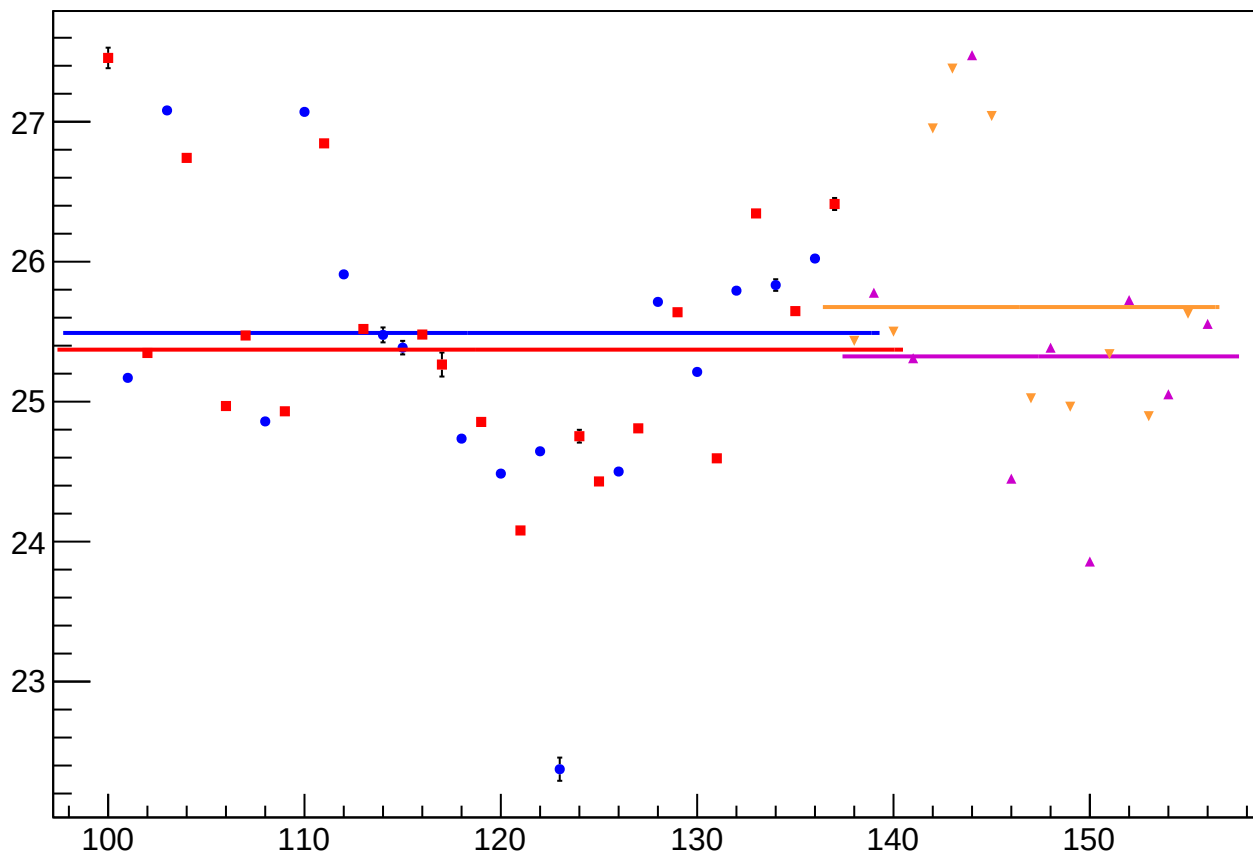
Left In: 9.948 ± 9.340 χ^2/NDF : 8.1/8

11.994 ± 6.836 χ^2/NDF : 28.9/26

12.880 ± 4.766 χ^2/NDF : 57.2/55

13.719 ± 6.650 χ^2/NDF : 28.3/28

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 25.491 $\pm$ 0.007 χ^2 /NDF: 13713.0/16

Left Out: 25.676 $\pm$ 0.007 χ^2 /NDF:15413.3/9

Right Out: 25.372 $\pm$ 0.007 χ^2 /NDF: 13552.0/19

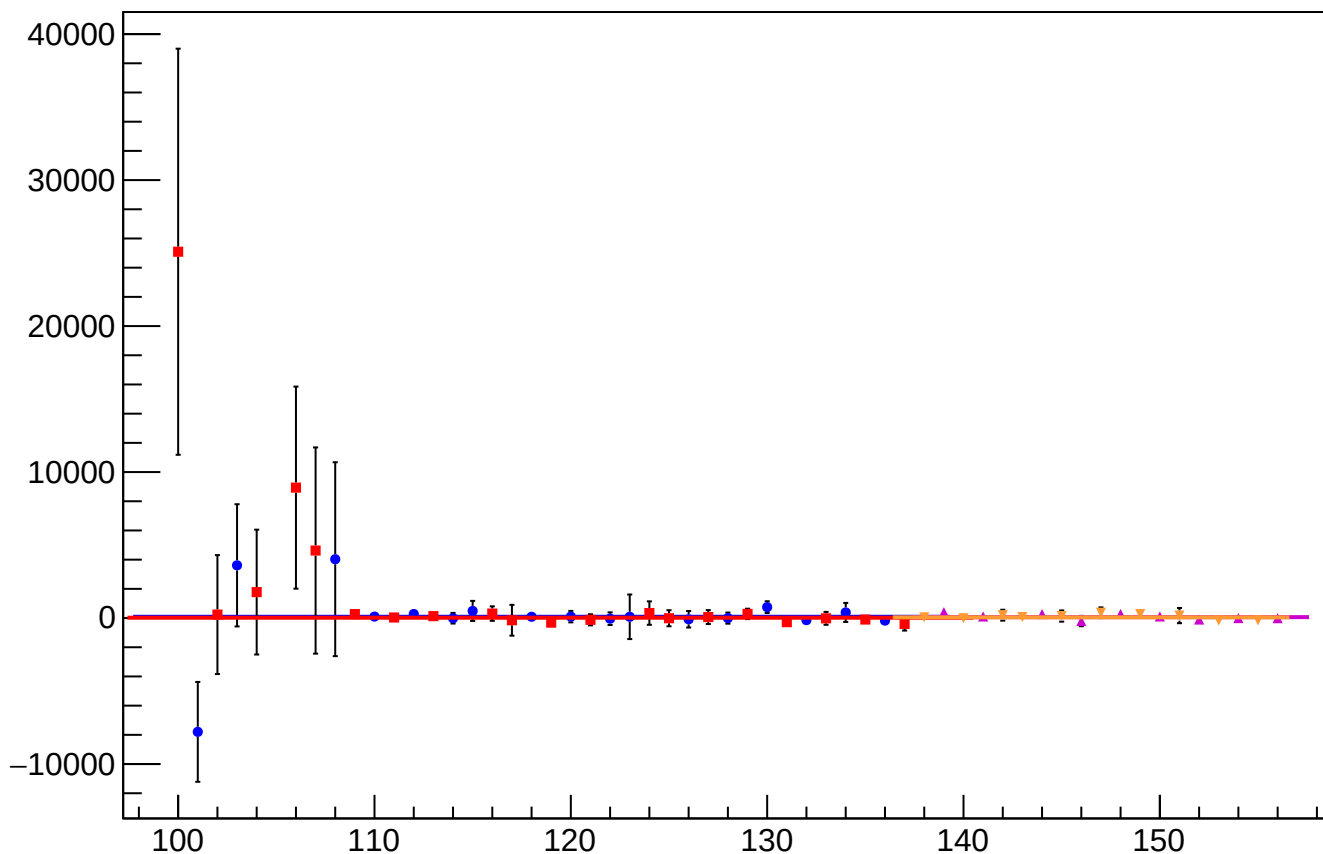
Left In: 25.323 $\pm$ 0.007 χ^2 /NDF:20295.3/8

25.587 $\pm$ 0.005 χ^2 /NDF: 29491.8/26

25.464 $\pm$ 0.003 χ^2 /NDF: 64635.0/55

25.347 $\pm$ 0.005 χ^2 /NDF: 33873.6/28

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 86.558 $\pm$ 88.423 χ^2 /NDF: 12.5/16

Left Out: 49.555 $\pm$ 95.132 χ^2 /NDF: 3.3/9

Right Out: 22.332 $\pm$ 80.711 χ^2 /NDF: 11.9/19

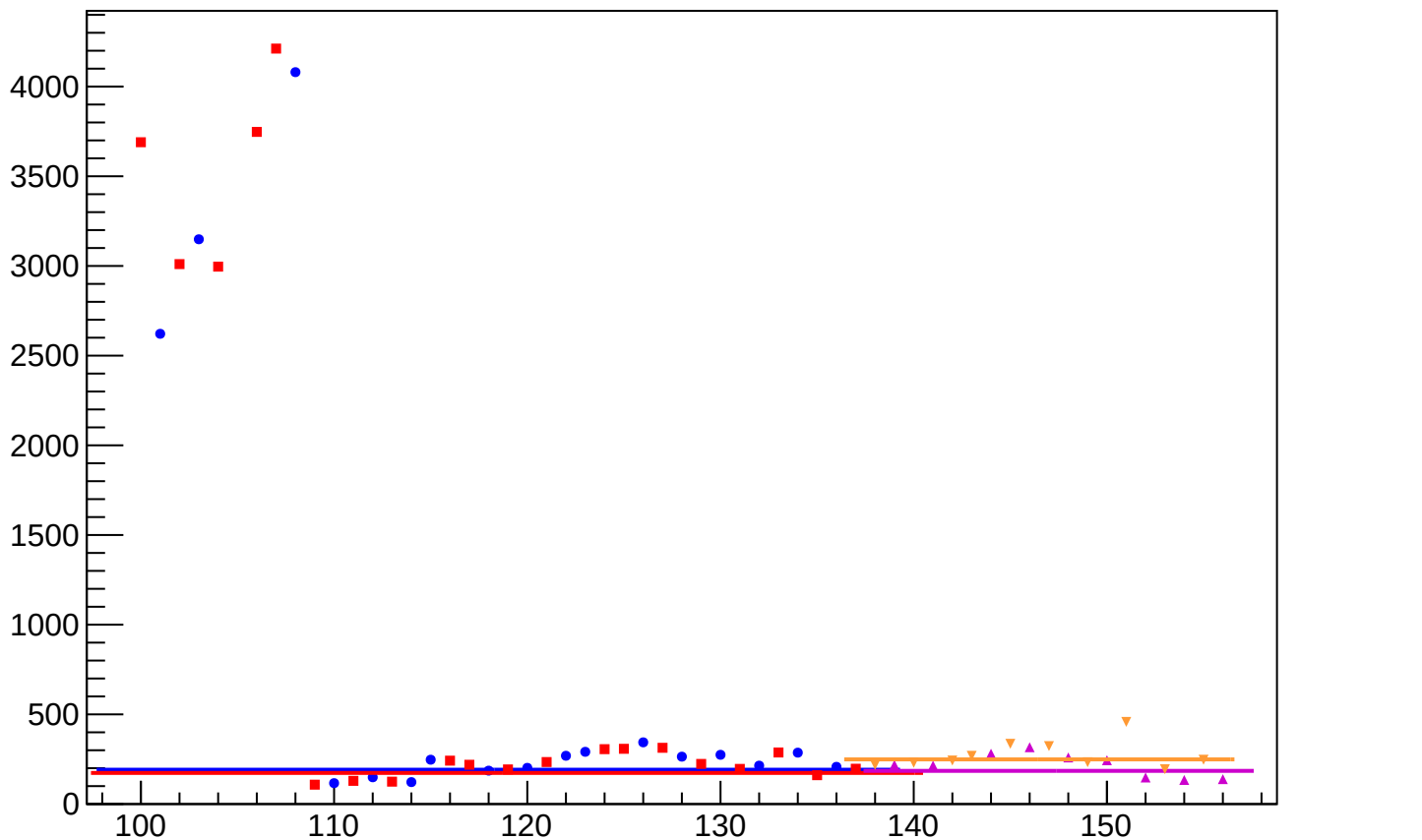
Left In: 62.770 $\pm$ 74.133 χ^2 /NDF: 4.4/8

69.407 $\pm$ 64.767 χ^2 /NDF: 15.8/26

54.710 $\pm$ 41.744 χ^2 /NDF: 32.4/55

44.266 $\pm$ 54.598 χ^2 /NDF: 16.4/28

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.478+/-0.063 χ^2/NDF : 3573154.3/16

Left Out: 249.032+/-0.067 χ^2/NDF : 672813.9/9

Right Out: 173.565+/-0.057 χ^2/NDF : 4211161.0/19

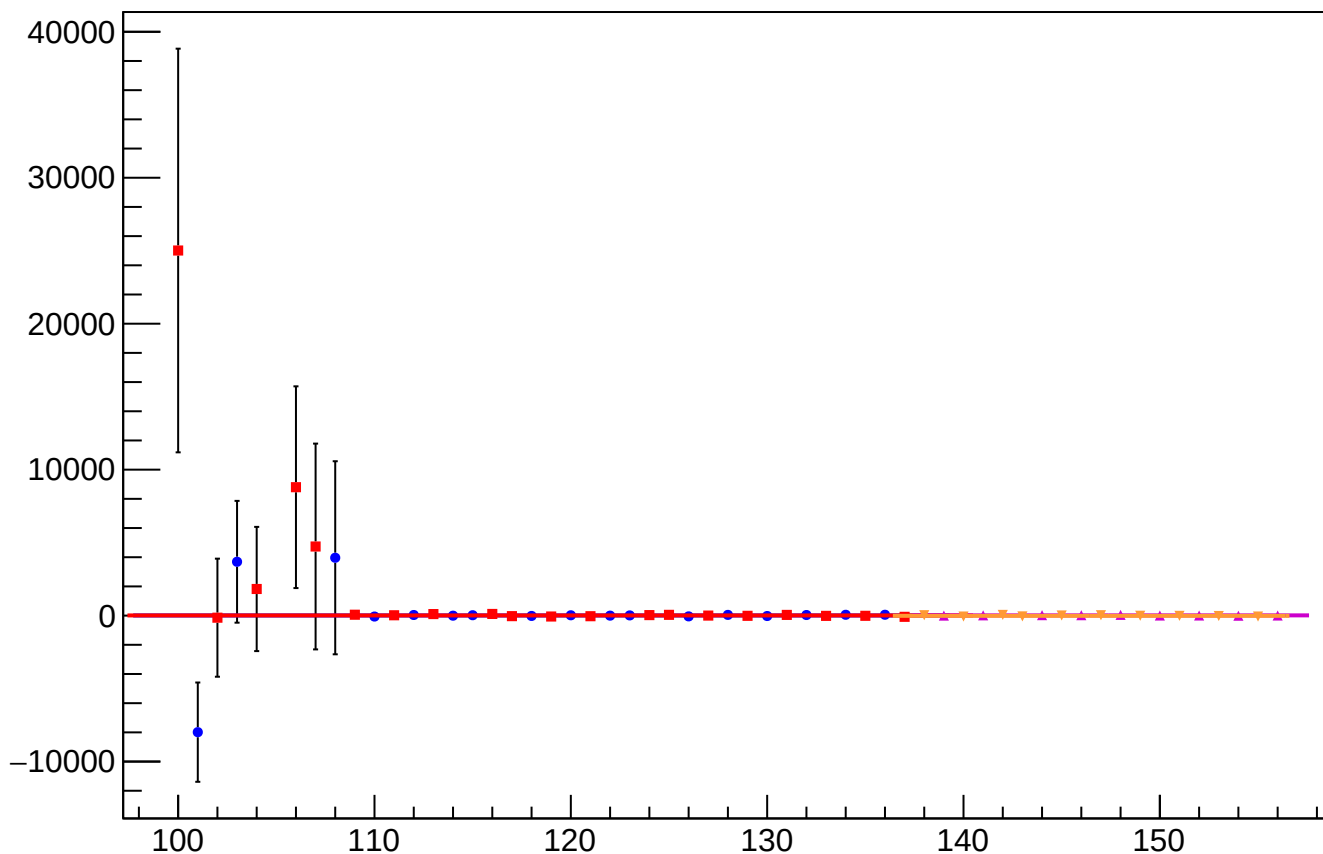
Left In: 185.066+/-0.052 χ^2/NDF : 1218850.4/8

218.154+/-0.046 χ^2/NDF : 4638693.7/26

195.735+/-0.030 χ^2/NDF : 10500665.5/55

179.803+/-0.039 χ^2/NDF : 5452040.0/28

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 10.286+/-12.282 χ^2/NDF : 18.4/16

Left Out: -14.869+/-11.076 χ^2/NDF : 10.6/9

Right Out: 12.296+/-12.186 χ^2/NDF : 24.9/19

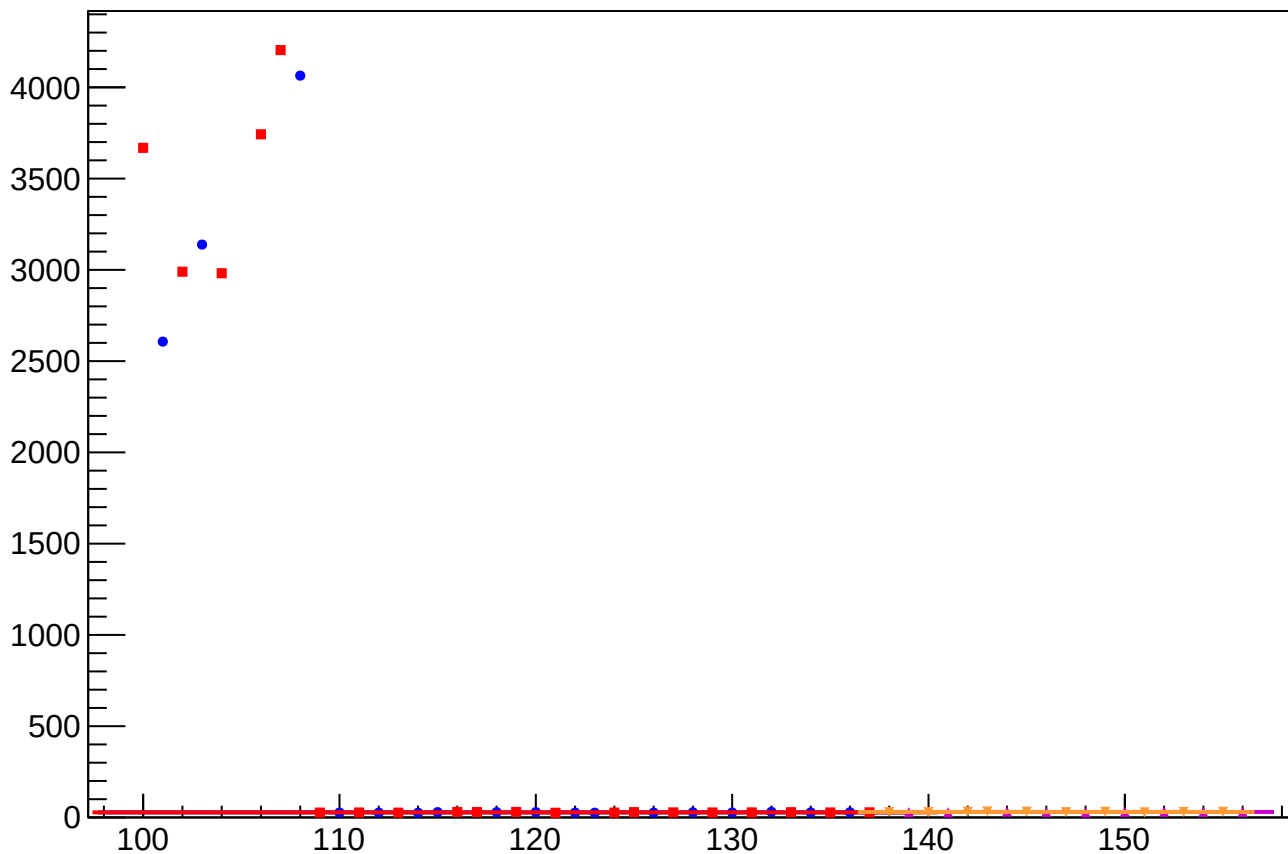
Left In: 16.329+/-11.141 χ^2/NDF : 2.6/8

-3.588+/-8.225 χ^2/NDF : 31.3/26

5.455+/-5.815 χ^2/NDF : 61.2/55

14.493+/-8.223 χ^2/NDF : 27.5/28

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.855+/-0.009 χ^2/NDF : 3027666.8/16

Left Out: 30.001+/-0.008 χ^2/NDF :30582.4/9

Right Out: 27.707+/-0.009 χ^2/NDF : 3477132.0/19

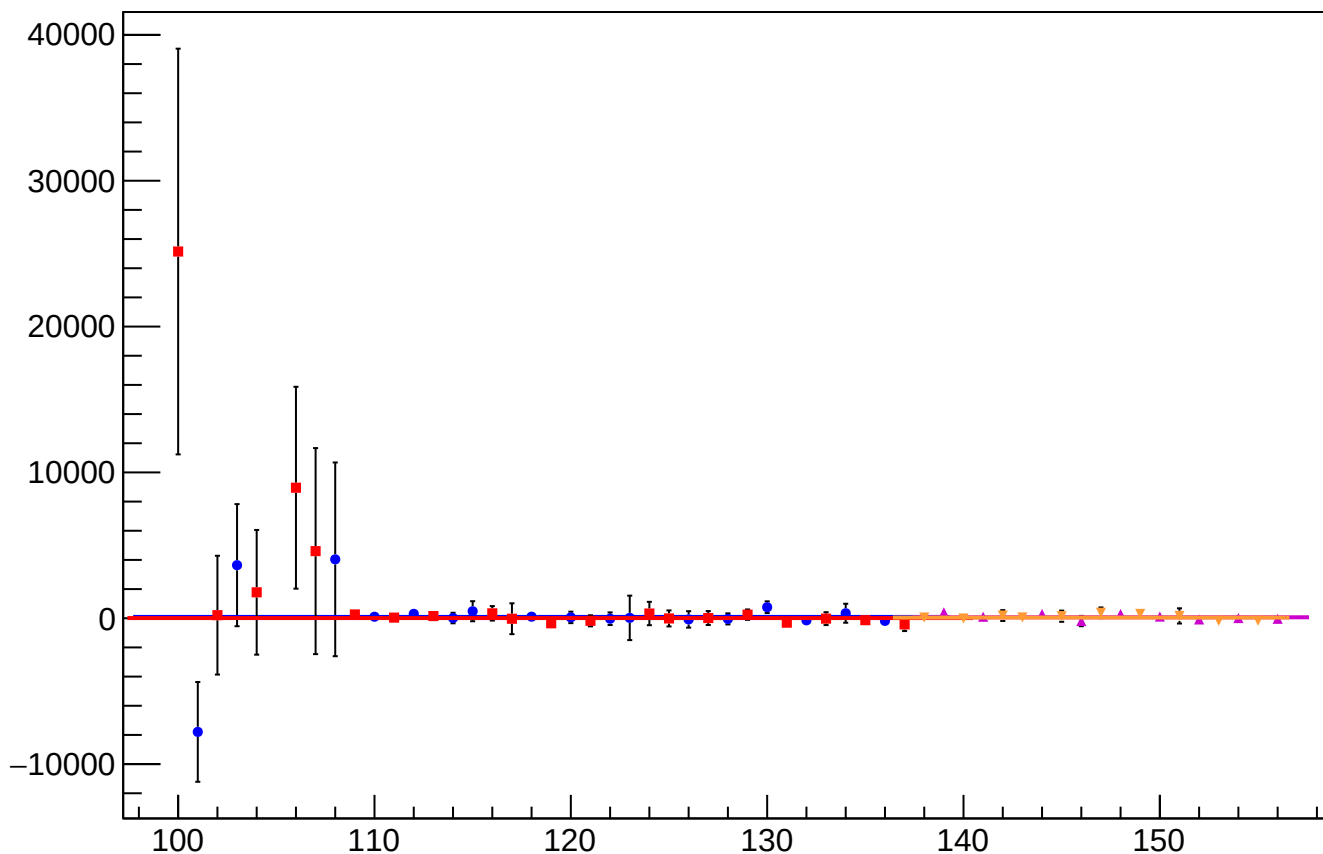
Left In: 30.143+/-0.008 χ^2/NDF :30838.6/8

29.038+/-0.006 χ^2/NDF : 3091933.7/26

29.036+/-0.004 χ^2/NDF : 6643413.3/55

29.034+/-0.006 χ^2/NDF : 3551479.3/28

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 90.773+/-88.149 χ^2/NDF : 12.8/16

Left Out: 48.979+/-94.918 χ^2/NDF : 3.6/9

Right Out: 13.075+/-80.452 χ^2/NDF : 12.7/19

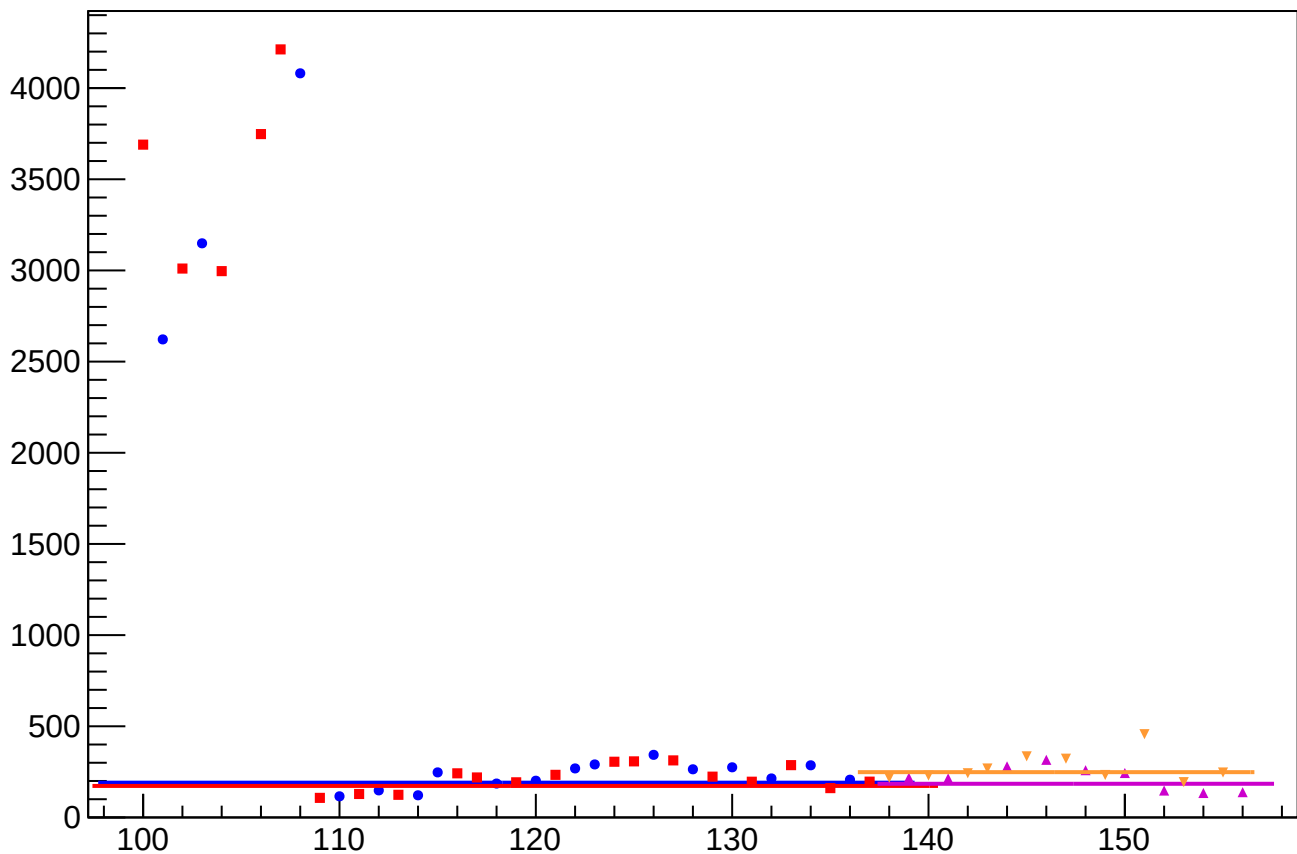
Left In: 66.580+/-73.978 χ^2/NDF : 4.5/8

71.419+/-64.591 χ^2/NDF : 16.5/26

54.262+/-41.634 χ^2/NDF : 34.1/55

42.067+/-54.455 χ^2/NDF : 17.4/28

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 190.770 +/- 0.062 χ^2/NDF : 3585034.0/16

Left Out: 248.469 +/- 0.067 χ^2/NDF : 672893.5/9

Right Out: 172.900 +/- 0.057 χ^2/NDF : 4222511.2/19

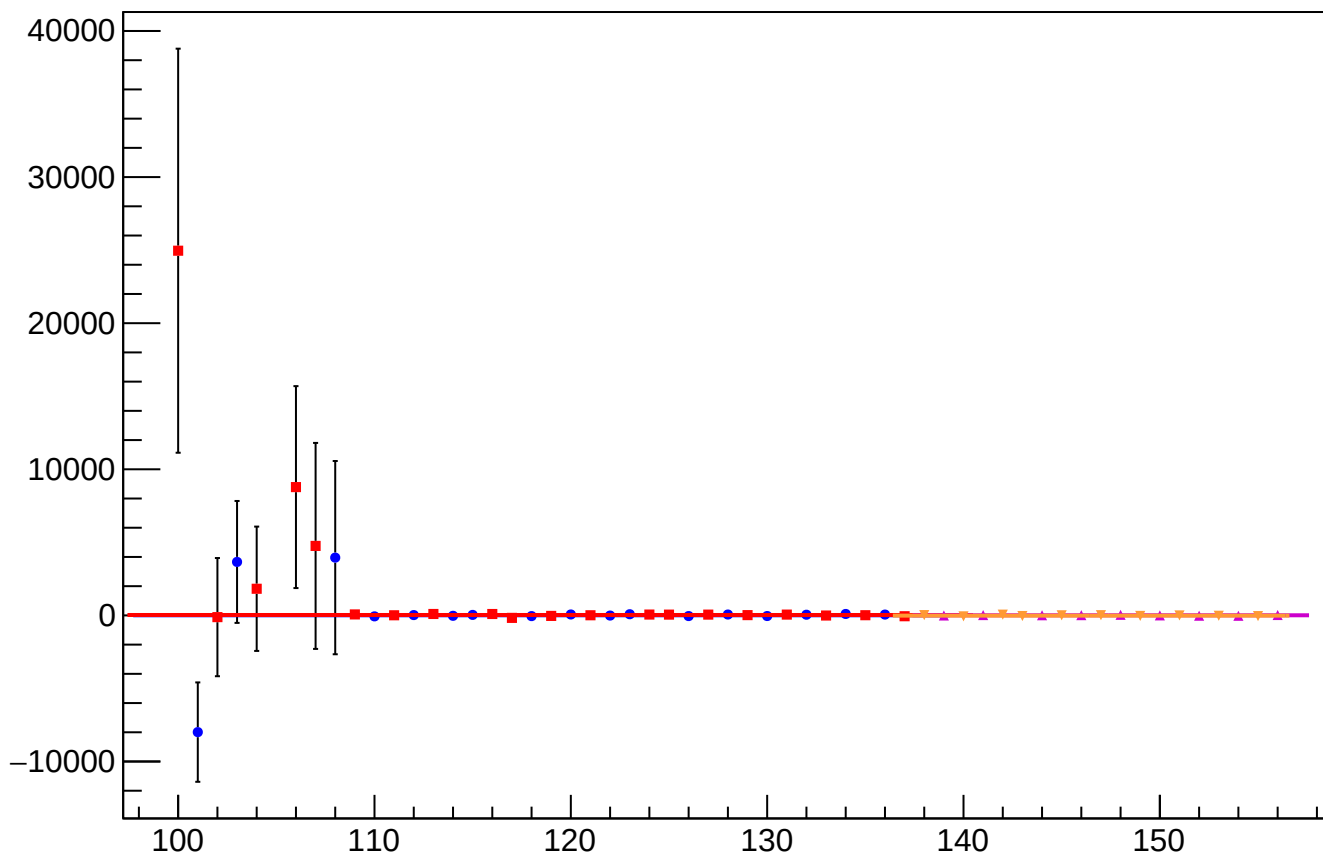
Left In: 184.686 +/- 0.052 χ^2/NDF : 1218166.9/8

217.489 +/- 0.046 χ^2/NDF : 4654744.6/26

195.158 +/- 0.029 χ^2/NDF : 10527624.9/55

179.286 +/- 0.039 χ^2/NDF : 5463936.4/28

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 8.600+/-12.368 χ^2 /NDF: 23.2/16

Left Out: -15.231+/-11.160 χ^2 /NDF: 8.4/9

Right Out: 27.898+/-12.287 χ^2 /NDF: 18.8/19

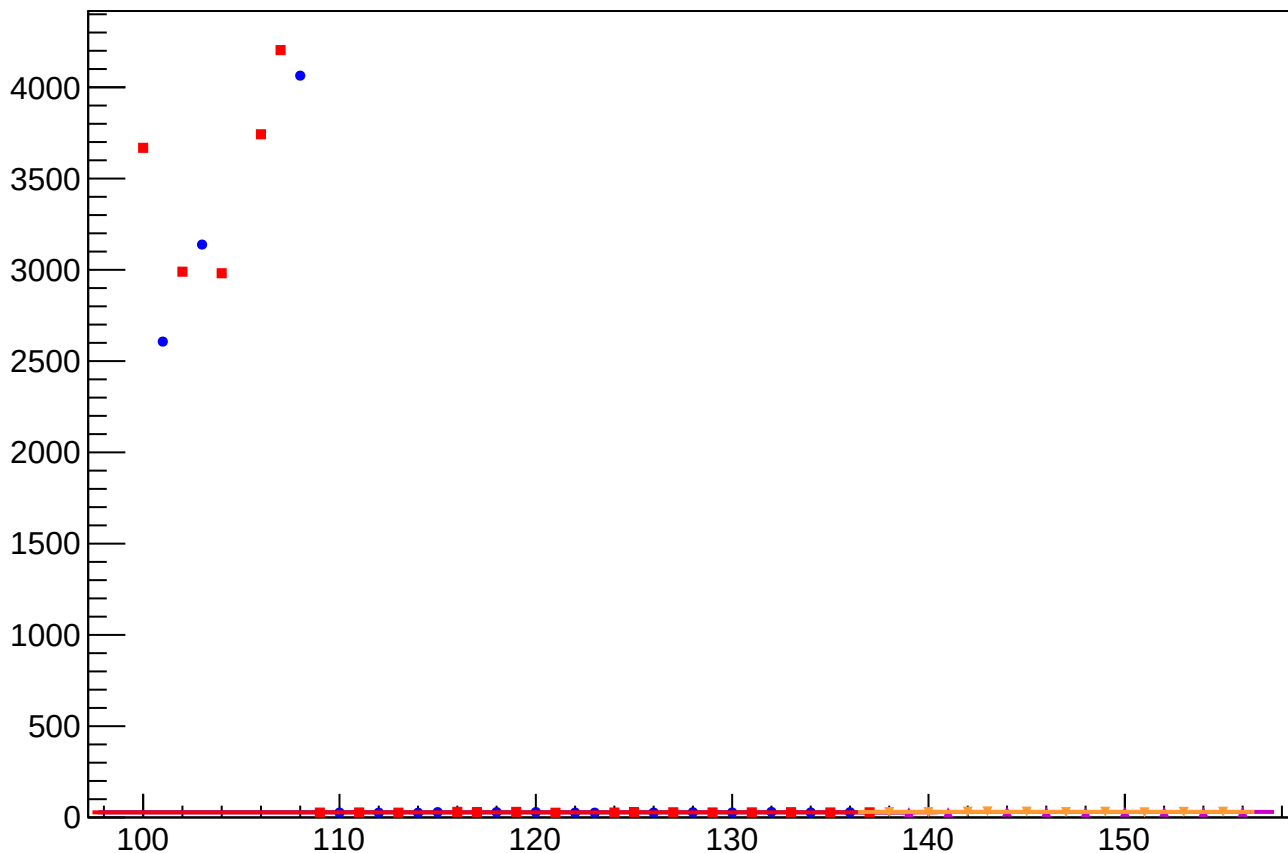
Left In: 8.178+/-11.208 χ^2 /NDF: 3.6/8

-4.536+/-8.285 χ^2 /NDF: 33.6/26

6.306+/-5.857 χ^2 /NDF: 60.8/55

17.135+/-8.280 χ^2 /NDF: 23.8/28

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 28.044 $\pm$ 0.009 χ^2 /NDF: 3027898.7/16

Left Out: 30.226 $\pm$ 0.008 χ^2 /NDF:32423.9/9

Right Out: 27.930 $\pm$ 0.009 χ^2 /NDF: 3479947.6/19

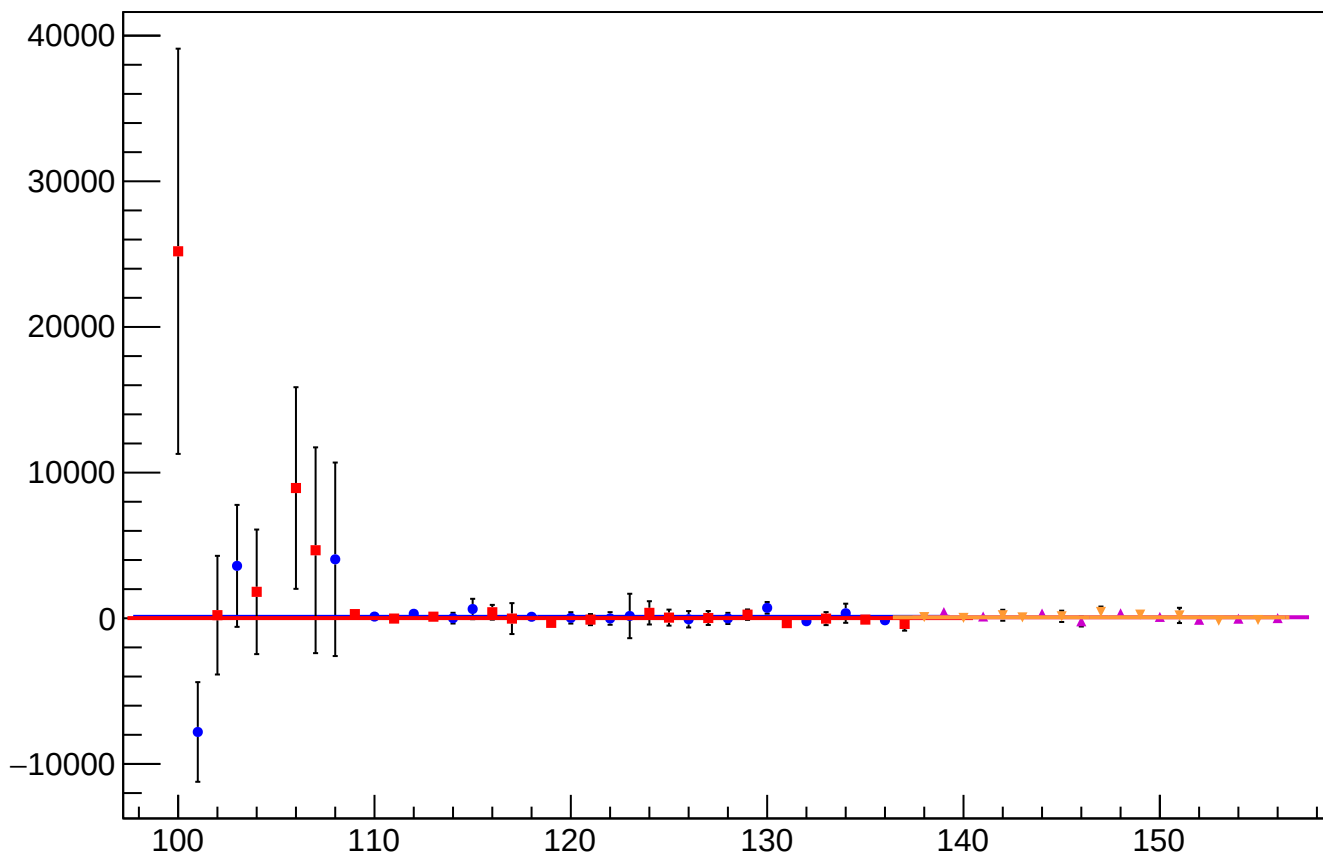
Left In: 30.330 $\pm$ 0.008 χ^2 /NDF:31606.6/8

29.247 $\pm$ 0.006 χ^2 /NDF: 3094640.2/26

29.243 $\pm$ 0.004 χ^2 /NDF: 6647839.3/55

29.240 $\pm$ 0.006 χ^2 /NDF: 3553198.4/28

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 98.142+/-89.203 χ^2/NDF : 12.5/16

Left Out: 67.064+/-96.056 χ^2/NDF : 3.2/9

Right Out: 11.533+/-81.530 χ^2/NDF : 12.3/19

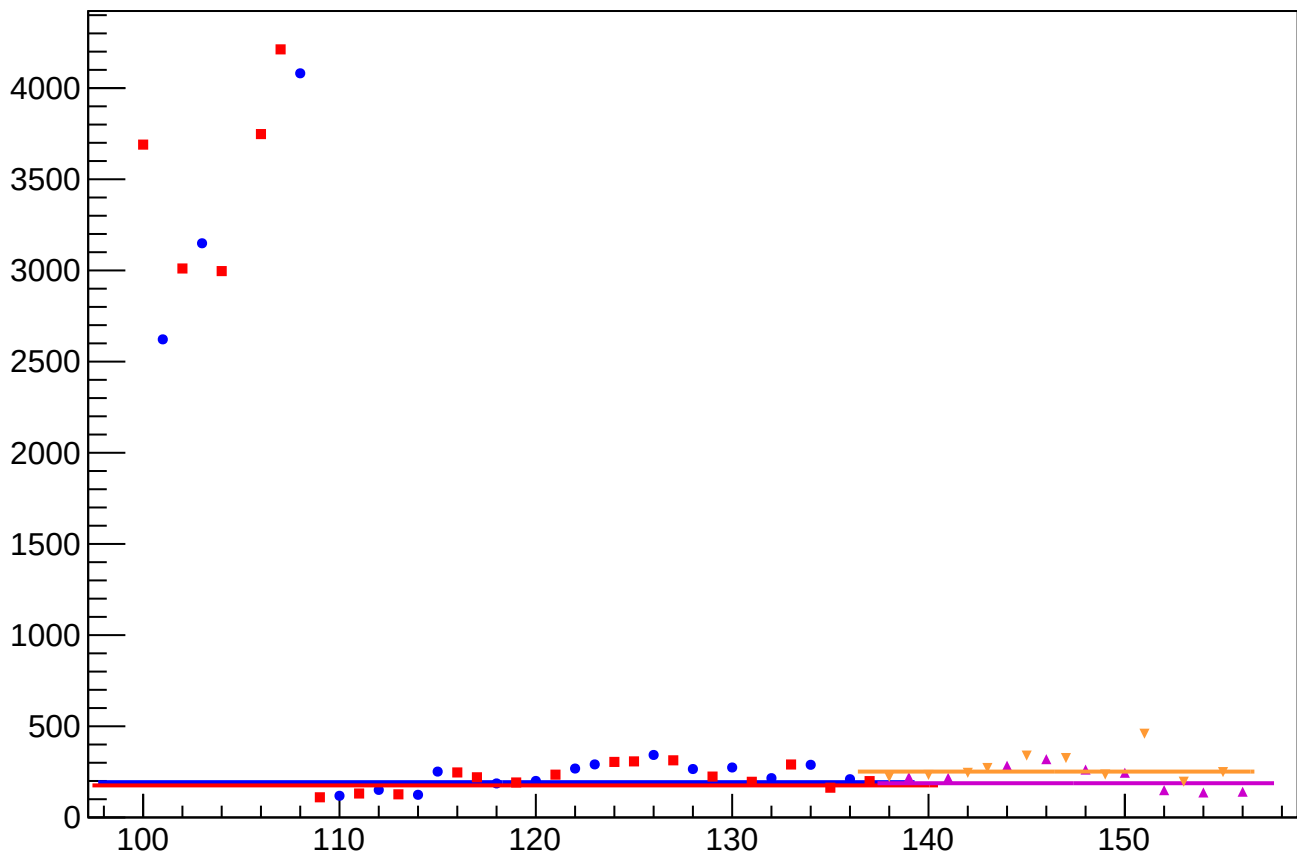
Left In: 70.726+/-75.090 χ^2/NDF : 5.2/8

83.751+/-65.365 χ^2/NDF : 15.8/26

60.302+/-42.188 χ^2/NDF : 33.7/55

43.559+/-55.234 χ^2/NDF : 17.7/28

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.516 $\pm$ 0.063 χ^2/NDF : 3536947.8/16

Left Out: 251.573 $\pm$ 0.068 χ^2/NDF : 664271.1/9

Right Out: 175.774 $\pm$ 0.058 χ^2/NDF : 4169115.6/19

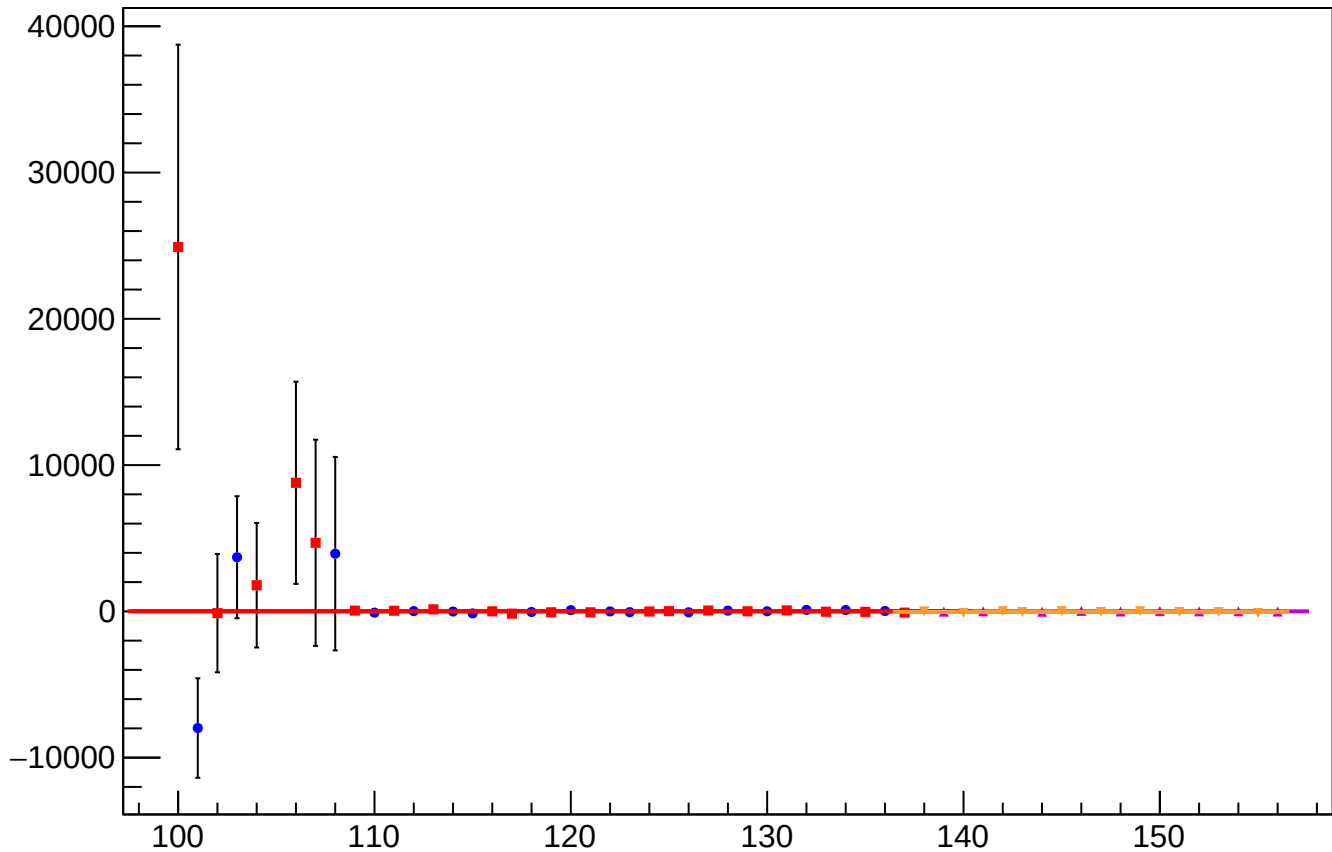
Left In: 187.754 $\pm$ 0.053 χ^2/NDF : 1192424.5/8

220.400 $\pm$ 0.046 χ^2/NDF : 4593512.0/26

198.146 $\pm$ 0.030 χ^2/NDF : 10375780.2/55

182.256 $\pm$ 0.039 χ^2/NDF : 5384904.3/28

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.565 $\pm$ 15.052 χ^2 /NDF: 20.4/16

Left Out: -39.595 $\pm$ 13.097 χ^2 /NDF:10.5/9

Right Out: 10.775 $\pm$ 14.891 χ^2 /NDF: 23.0/19

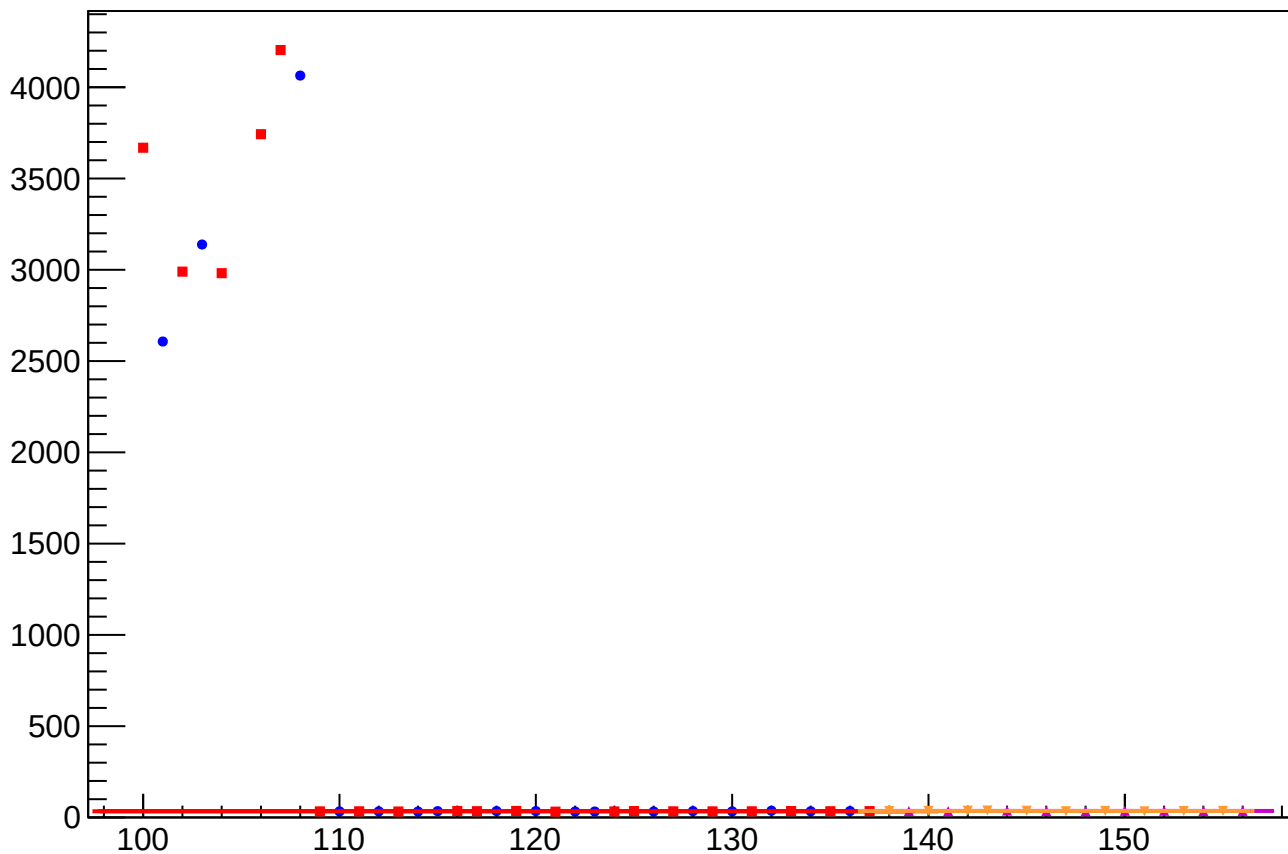
Left In: 2.676 $\pm$ 13.161 χ^2 /NDF:1.7/8

-20.136 $\pm$ 9.880 χ^2 /NDF: 36.0/26

-6.929 $\pm$ 6.980 χ^2 /NDF: 64.5/55

6.228 $\pm$ 9.861 χ^2 /NDF: 24.9/28

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 34.168 $\pm$ 0.011 χ^2 /NDF: 3006512.8/16

Left Out: 35.522 $\pm$ 0.009 χ^2 /NDF:19319.8/9

Right Out: 33.916 $\pm$ 0.011 χ^2 /NDF: 3451921.6/19

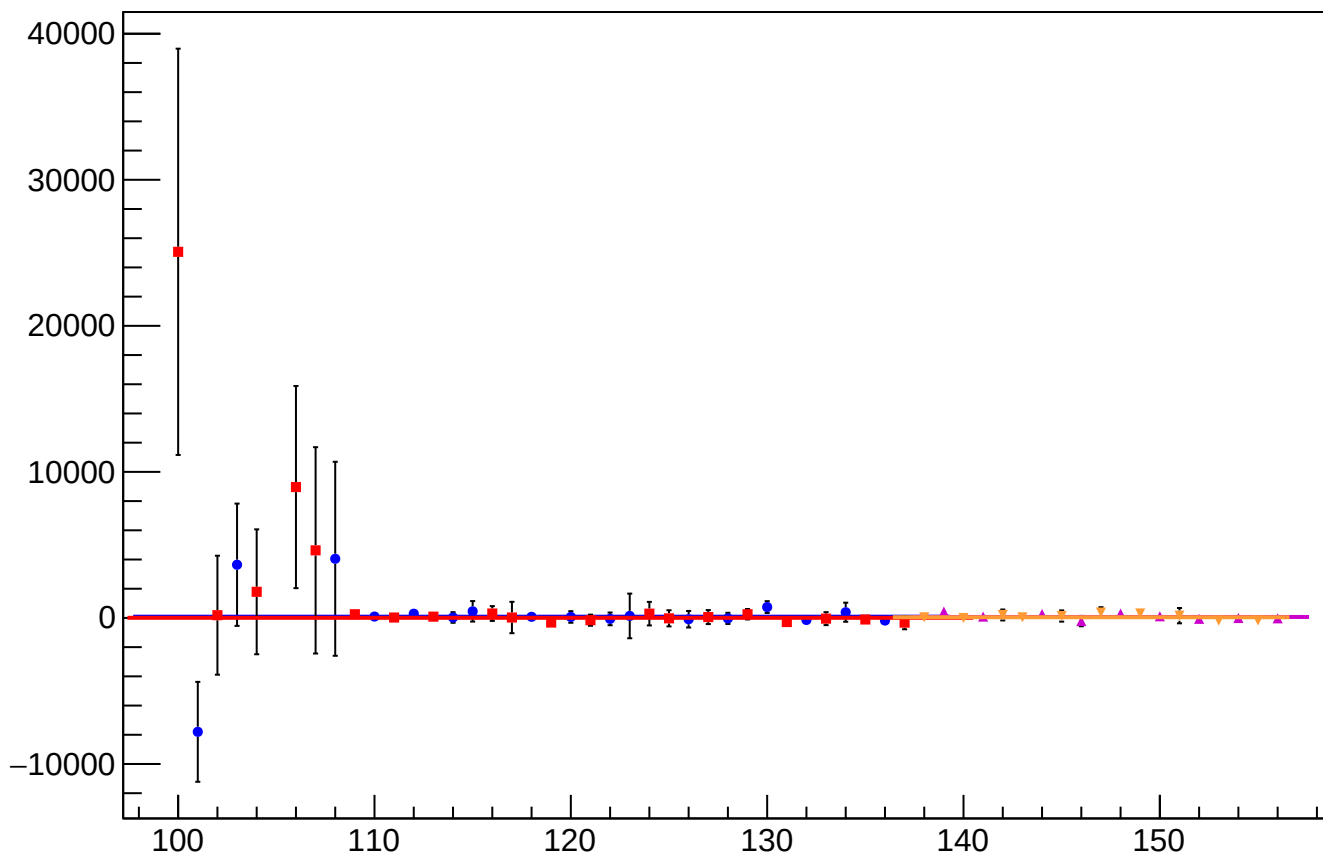
Left In: 35.675 $\pm$ 0.009 χ^2 /NDF:12574.4/8

34.938 $\pm$ 0.007 χ^2 /NDF: 3035045.7/26

34.921 $\pm$ 0.005 χ^2 /NDF: 6515234.8/55

34.904 $\pm$ 0.007 χ^2 /NDF: 3480176.8/28

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 84.504+/-88.746 χ^2/NDF : 12.5/16

Left Out: 48.013+/-95.575 χ^2/NDF : 3.7/9

Right Out: 8.682+/-81.026 χ^2/NDF : 11.1/19

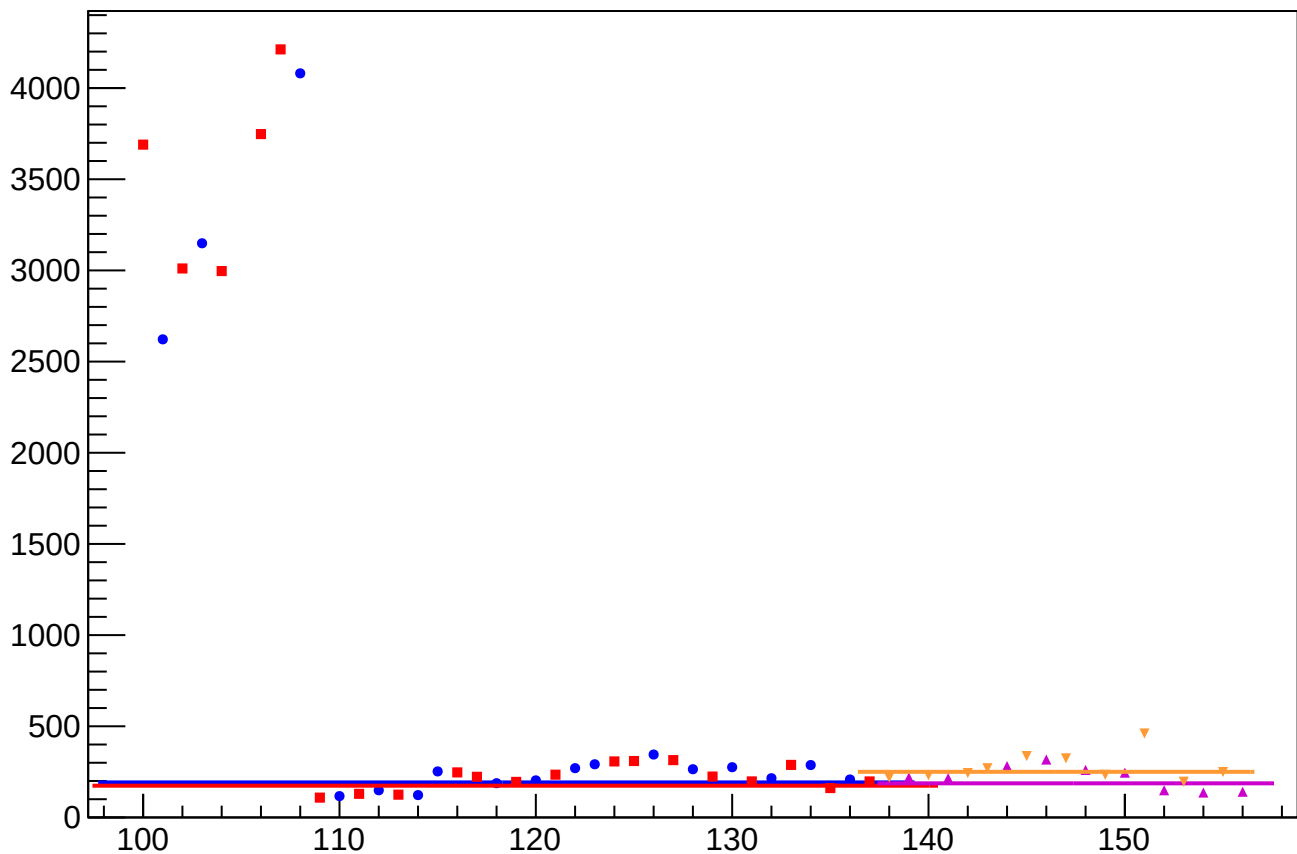
Left In: 65.989+/-74.832 χ^2/NDF : 4.7/8

67.609+/-65.033 χ^2/NDF : 16.3/26

51.278+/-41.984 χ^2/NDF : 32.4/55

39.609+/-54.974 χ^2/NDF : 16.0/28

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.177+/-0.063 χ^2/NDF : 3574617.3/16

Left Out: 250.257+/-0.068 χ^2/NDF : 667728.5/9

Right Out: 174.240+/-0.057 χ^2/NDF : 4215763.8/19

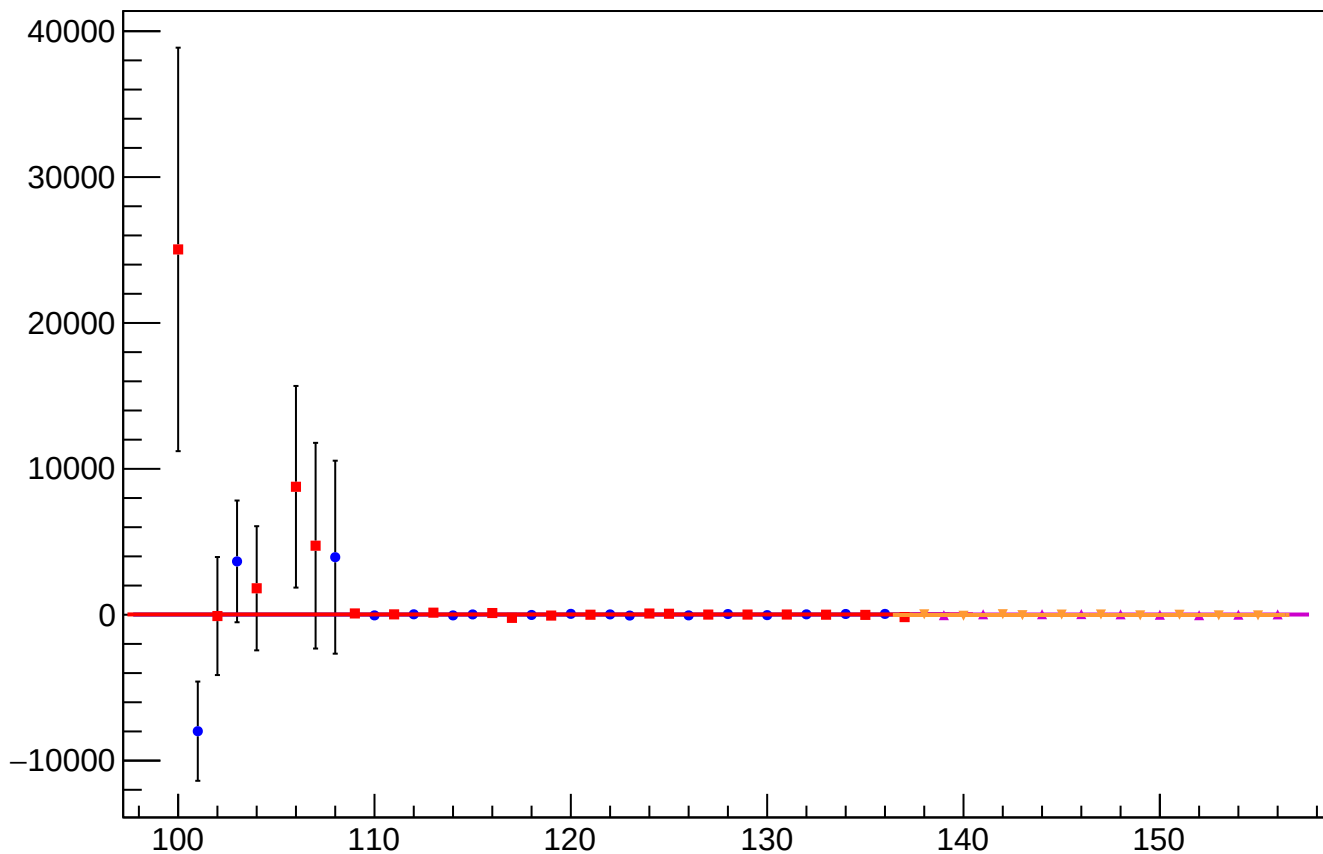
Left In: 187.124+/-0.053 χ^2/NDF : 1181561.5/8

219.068+/-0.046 χ^2/NDF : 4638958.0/26

196.978+/-0.030 χ^2/NDF : 10459228.6/55

181.193+/-0.039 χ^2/NDF : 5424616.4/28

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 12.751+/-13.723 χ^2/NDF : 14.6/16

Left Out: -17.597+/-11.986 χ^2/NDF : 8.1/9

Right Out: 20.740+/-13.606 χ^2/NDF : 30.4/19

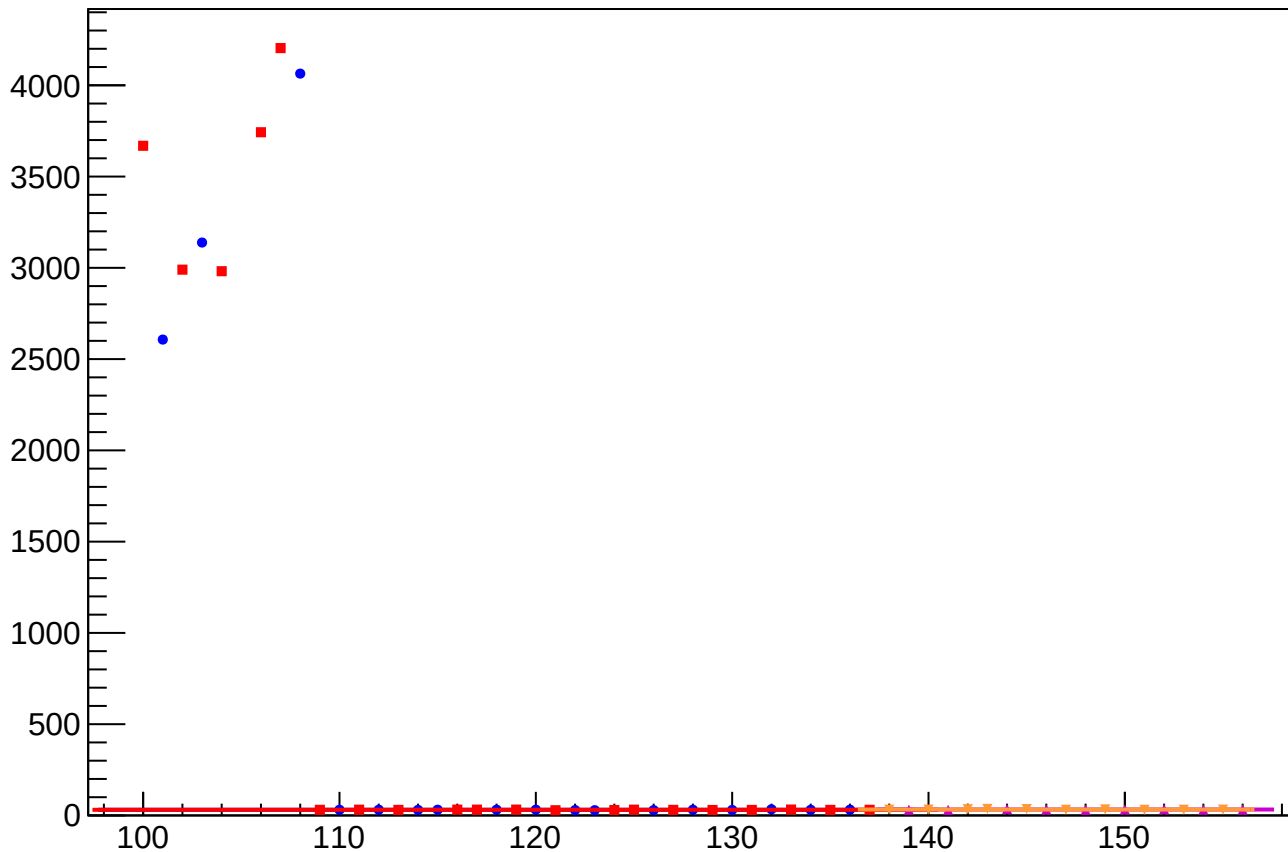
Left In: 14.225+/-12.012 χ^2/NDF : 4.5/8

-4.465+/-9.028 χ^2/NDF : 25.6/26

6.334+/-6.375 χ^2/NDF : 63.5/55

17.079+/-9.005 χ^2/NDF : 35.1/28

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 31.153+/-0.010 χ^2/NDF : 3014515.0/16

Left Out: 32.472+/-0.008 χ^2/NDF : 32290.5/9

Right Out: 30.970+/-0.010 χ^2/NDF : 3458998.2/19

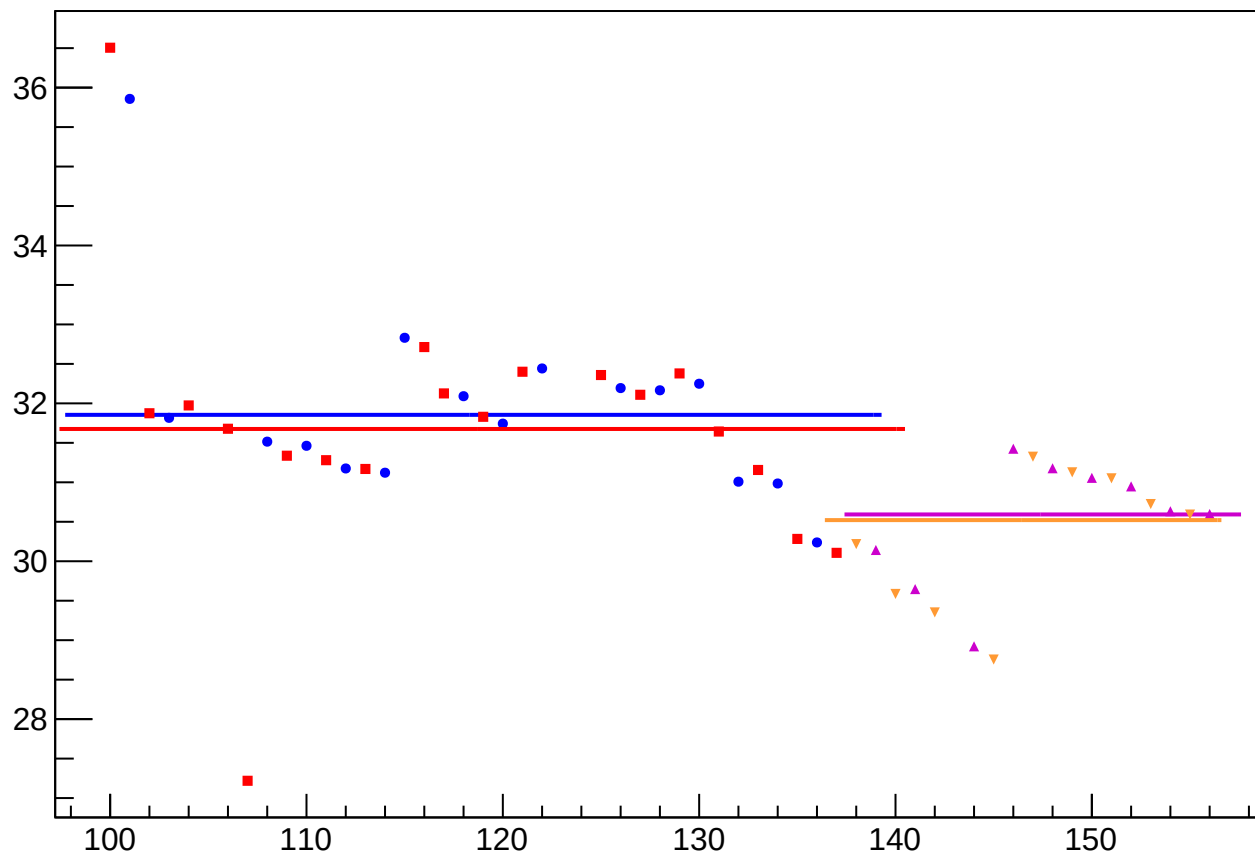
Left In: 32.505+/-0.008 χ^2/NDF : 24856.3/8

31.901+/-0.006 χ^2/NDF : 3057294.4/26

31.867+/-0.005 χ^2/NDF : 6555513.9/55

31.833+/-0.006 χ^2/NDF : 3498161.0/28

yield_usl_mean vs Slug, Sign Corrected



Right In: 31.855+/-0.000 χ^2/NDF : 1570522165.5/15

Left Out: 30.521+/-0.000 χ^2/NDF : 586445696.8/8

Right Out: 31.676+/-0.000 χ^2/NDF : 919678295.7/18

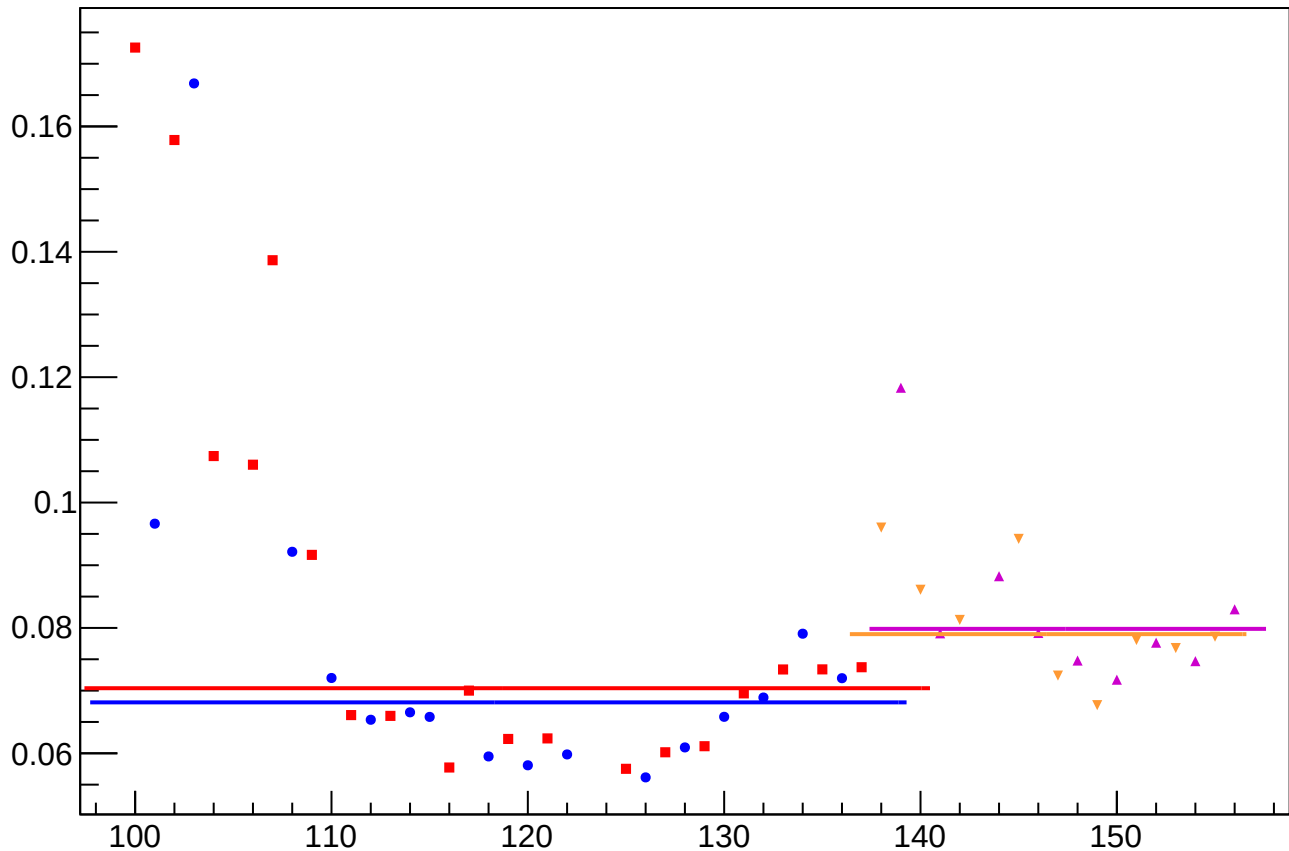
Left In: 30.593+/-0.000 χ^2/NDF : 560969668.0/8

31.275+/-0.000 χ^2/NDF : 3118783052.9/24

31.225+/-0.000 χ^2/NDF : 5260119783.8/5

31.177+/-0.000 χ^2/NDF : 2130659638.1/27

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068 $\pm$ 0.000 χ^2/NDF : 629767.4/15

Left Out: 0.079 $\pm$ 0.000 χ^2/NDF :142347.7/8

Right Out: 0.070 $\pm$ 0.000 χ^2/NDF : 841322.7/18

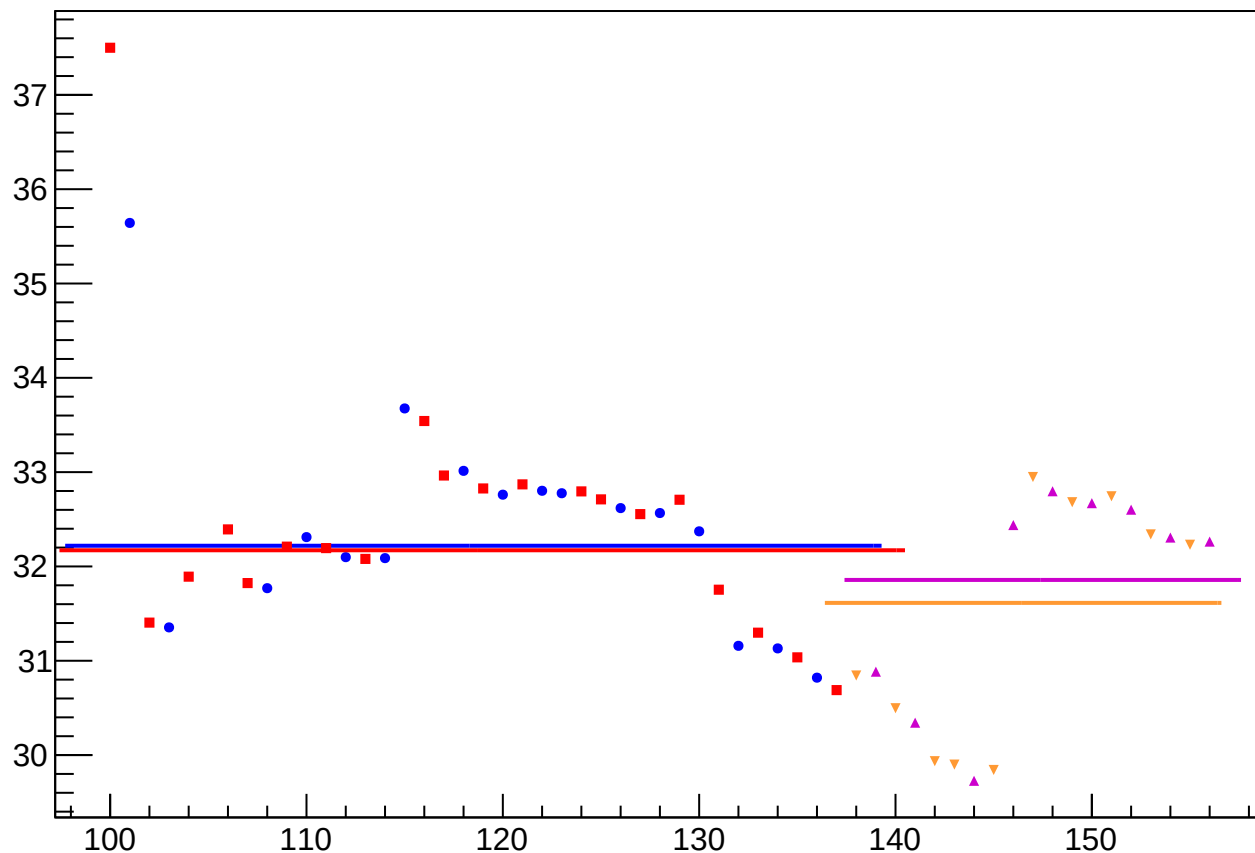
Left In: 0.080 $\pm$ 0.000 χ^2/NDF :198849.0/8

0.073 $\pm$ 0.000 χ^2/NDF : 900267.0/24

0.074 $\pm$ 0.000 χ^2/NDF : 2047755.6/52

0.075 $\pm$ 0.000 χ^2/NDF : 1139574.7/27

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.220+/-0.000 χ^2/NDF : 1013864543.3/16

Left Out: 31.614+/-0.000 χ^2/NDF : 1665786992.8/9

Right Out: 32.171+/-0.000 χ^2/NDF : 444137990.6/19

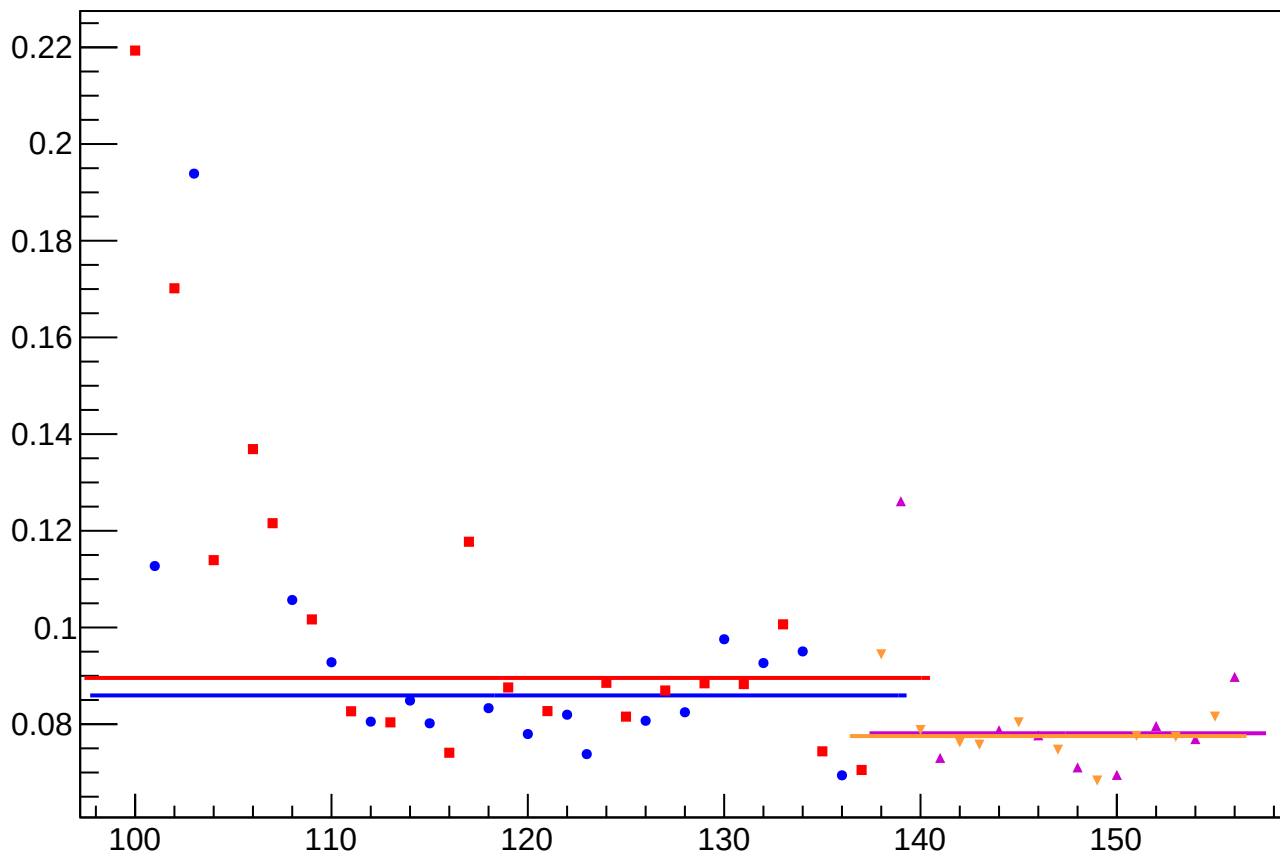
Left In: 31.857+/-0.000 χ^2/NDF : 1335813850.4/8

31.866+/-0.000 χ^2/NDF : 2847840636.6/26

31.926+/-0.000 χ^2/NDF : 4686274189.1/5

31.987+/-0.000 χ^2/NDF : 1824574854.7/28

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086 $\pm$ 0.000 χ^2/NDF : 553280.3/16

Left Out: 0.078 $\pm$ 0.000 χ^2/NDF : 78417.7/9

Right Out: 0.090 $\pm$ 0.000 χ^2/NDF : 544516.7/19

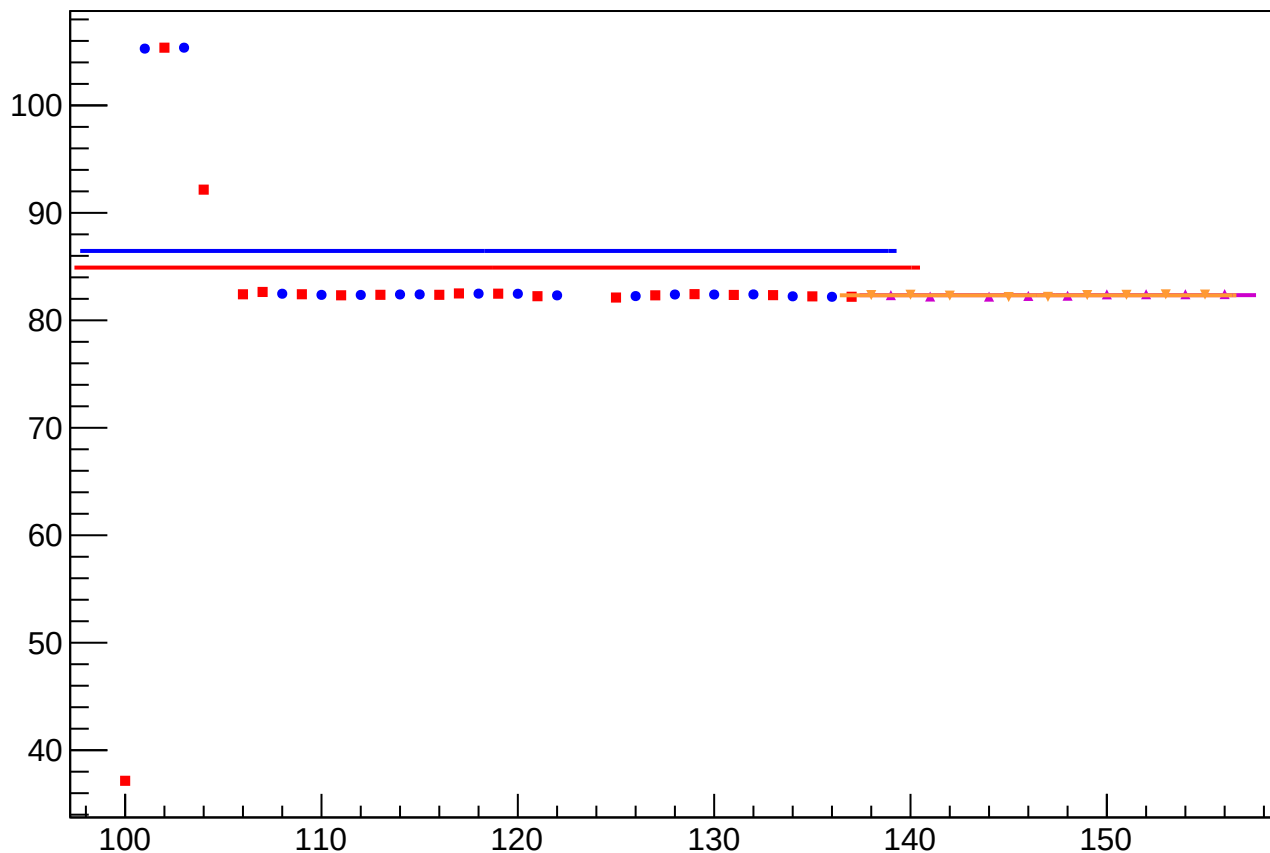
Left In: 0.078 $\pm$ 0.000 χ^2/NDF : 275473.6/8

0.081 $\pm$ 0.000 χ^2/NDF : 696498.1/26

0.082 $\pm$ 0.000 χ^2/NDF : 1641078.6/55

0.083 $\pm$ 0.000 χ^2/NDF : 938347.9/28

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

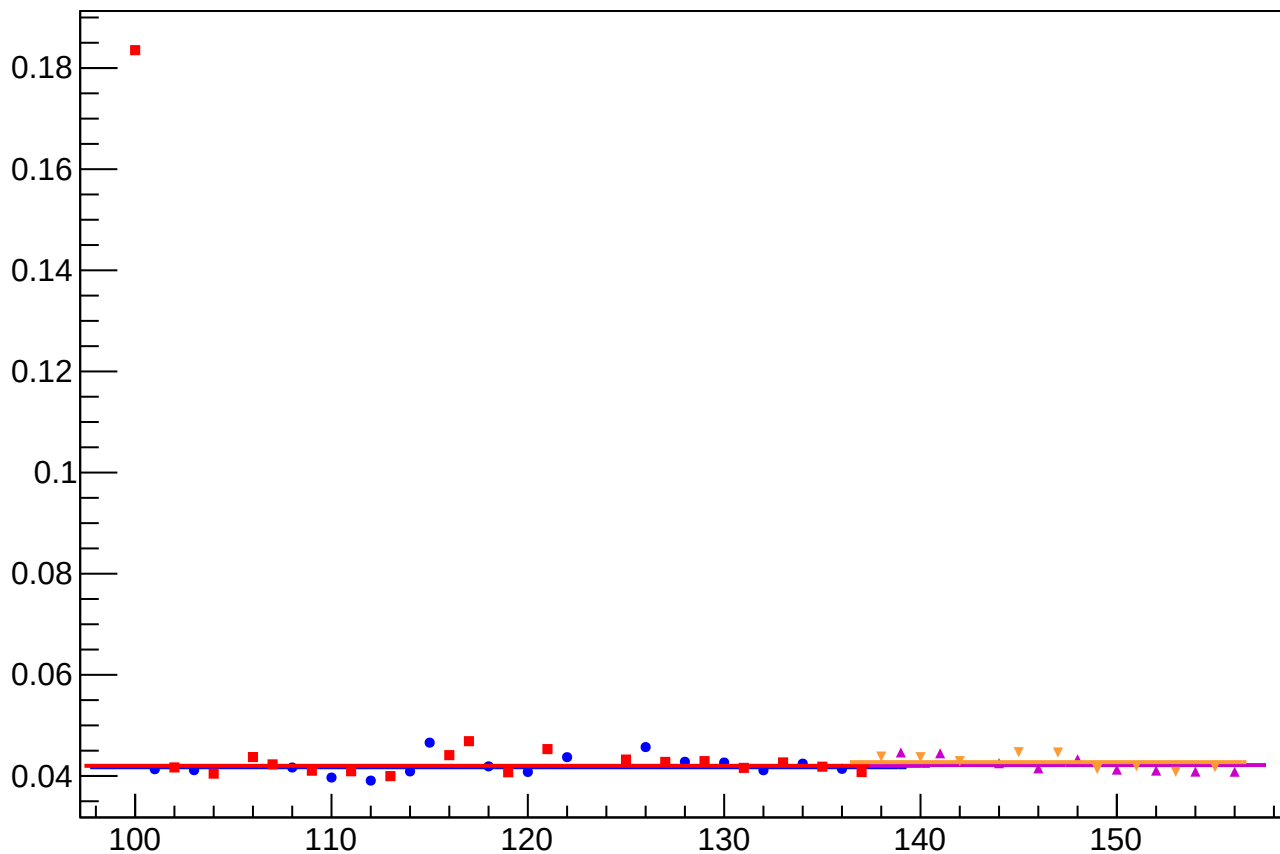
Left In: 82.344+/-0.000 χ^2/NDF : 34157819.5/8

84.433+/-0.000 χ^2/NDF : 322925708724.9/24

83.998+/-0.000 χ^2/NDF : 511125441127.9

83.598+/-0.000 χ^2/NDF : 185520163000.4/27

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

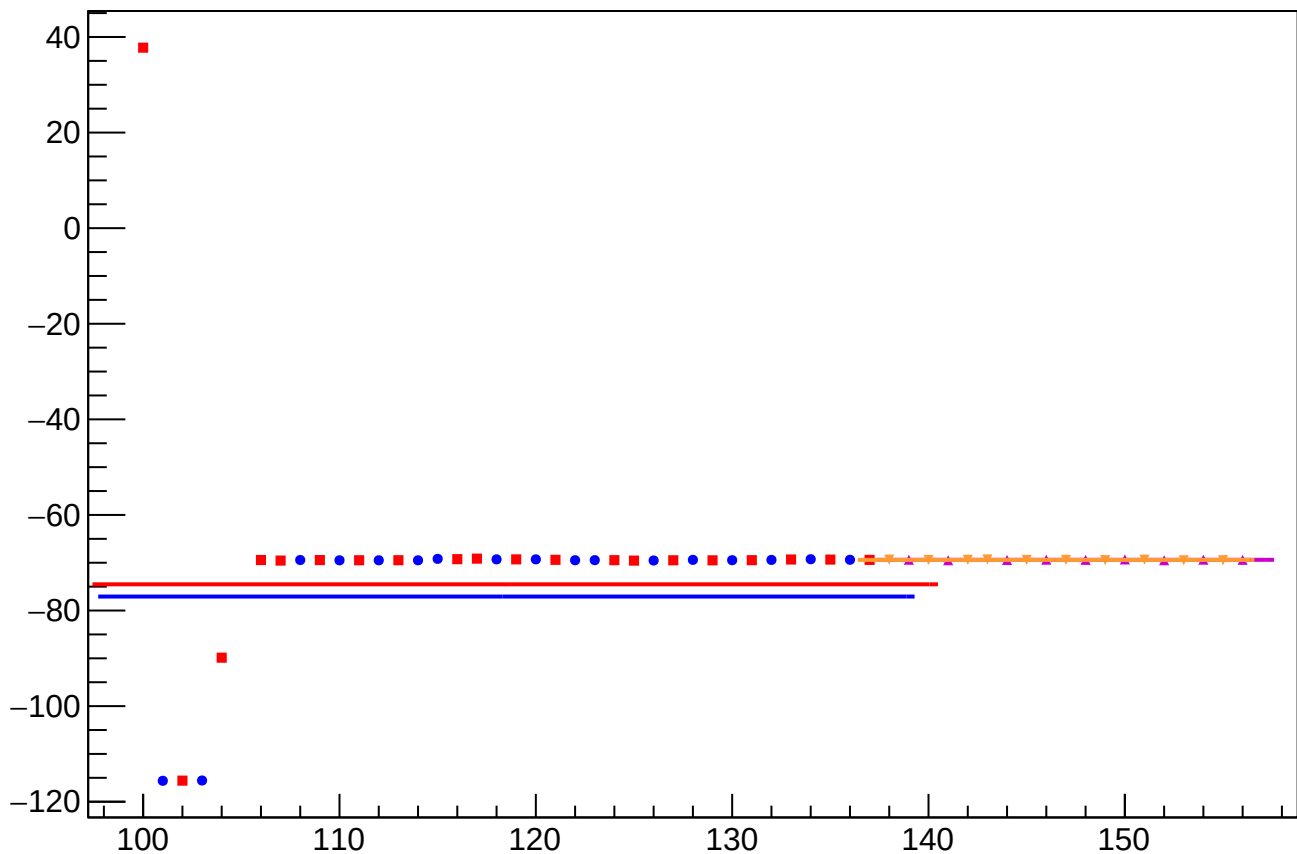
Left In: 0.042+/-0.000 χ^2/NDF : 15933.5/8

0.042+/-0.000 χ^2/NDF : 36771.9/24

0.042+/-0.000 χ^2/NDF : 150733.8/52

0.042+/-0.000 χ^2/NDF : 113809.1/27

yield_dsr_mean vs Slug, Sign Corrected



Right In: -77.074+/-0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.412+/-0.000 χ^2/NDF : 6716681.0/9

Right Out: -74.518+/-0.000 χ^2/NDF : 372210051226.2/19

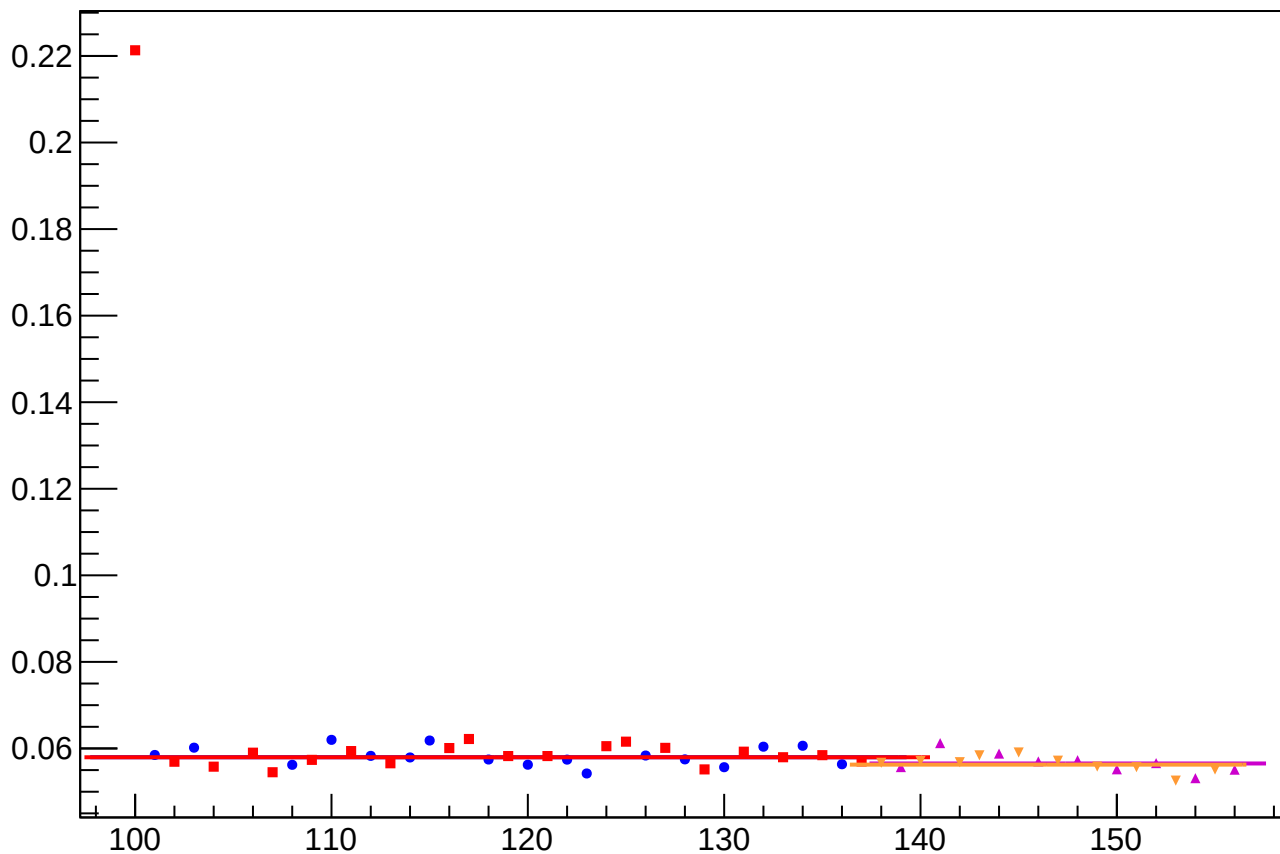
Left In: -69.388+/-0.000 χ^2/NDF : 5935595.5/8

-72.938+/-0.000 χ^2/NDF : 626085605406.5/26

-72.387+/-0.000 χ^2/NDF : 102887796858

-71.851+/-0.000 χ^2/NDF : 400302418443.7/28

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058 +/- 0.000 χ^2/NDF : 12275.6/16

Left Out: 0.056 +/- 0.000 χ^2/NDF : 14503.0/9

Right Out: 0.058 +/- 0.000 χ^2/NDF : 86860.7/19

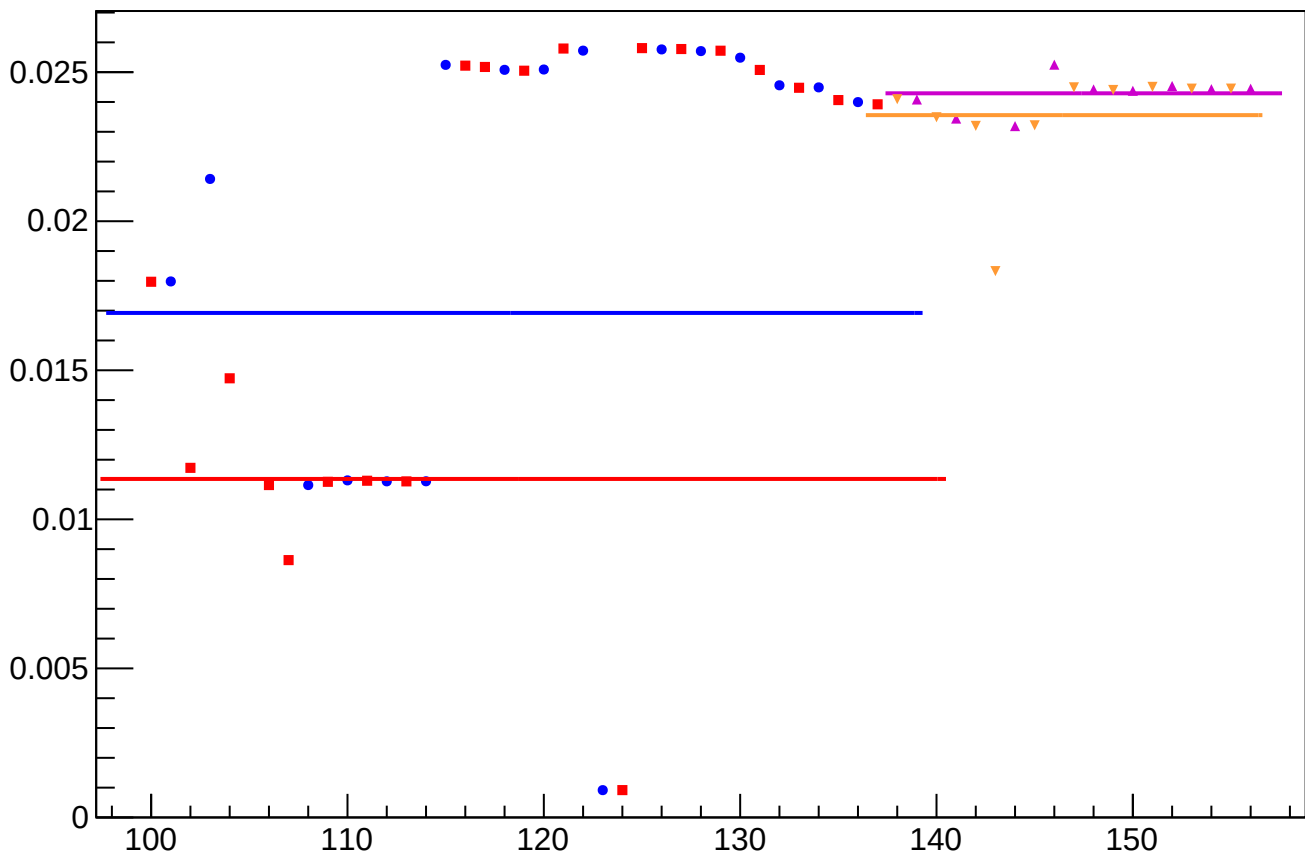
Left In: 0.057 +/- 0.000 χ^2/NDF : 21492.3/8

0.057 +/- 0.000 χ^2/NDF : 32827.0/26

0.057 +/- 0.000 χ^2/NDF : 145702.7/55

0.057 +/- 0.000 χ^2/NDF : 112754.5/28

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.017 $\pm$ 0.000 χ^2/NDF : 126447785006.7/16

Left Out: 0.024 $\pm$ 0.000 χ^2/NDF : 4753454921.8/9

0.020 $\pm$ 0.000 χ^2/NDF : 164671777981.2/26

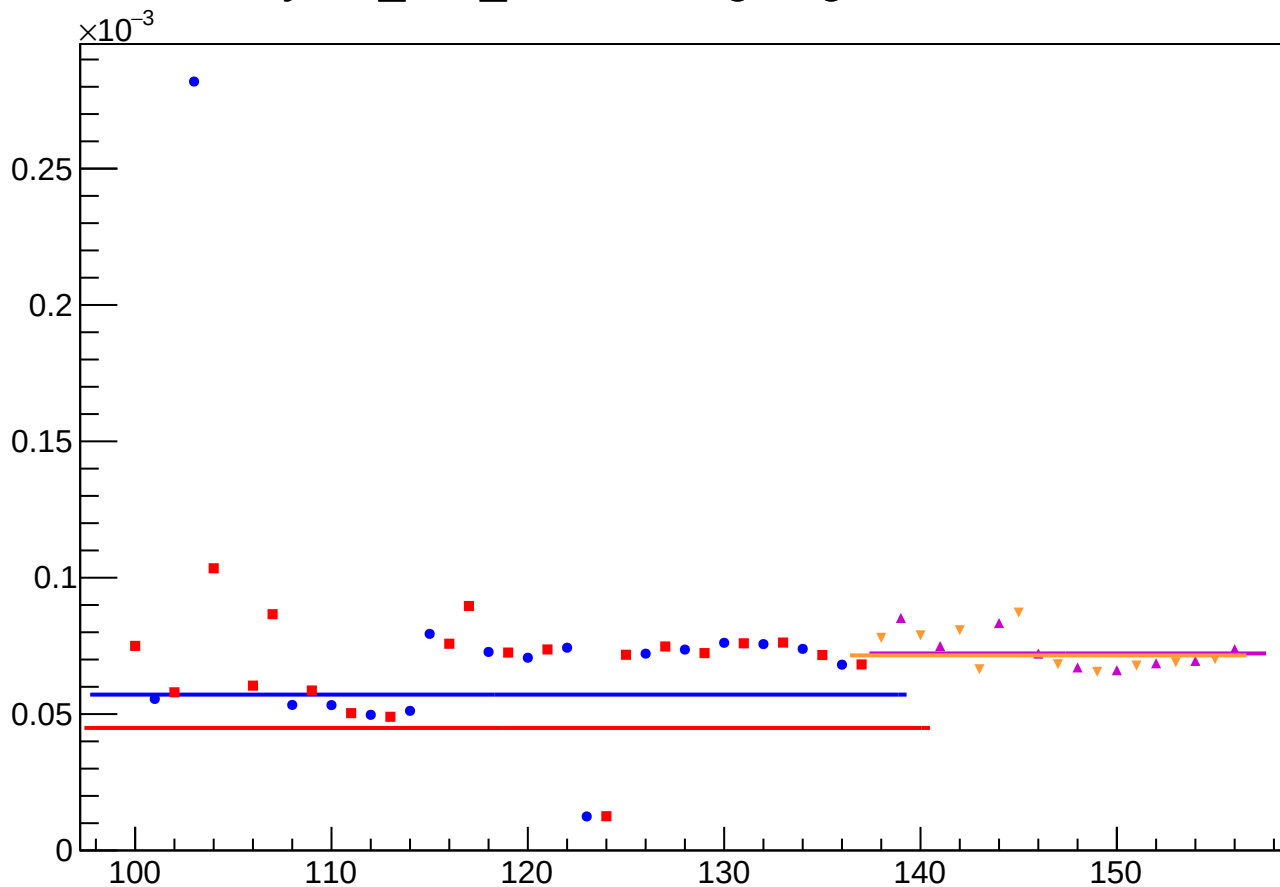
Right Out: 0.011 $\pm$ 0.000 χ^2/NDF : 235754579473.9/19

0.018 $\pm$ 0.000 χ^2/NDF : 572327666655.1/26

0.016 $\pm$ 0.000 χ^2/NDF : 382276963939.9/28

Left In: 0.024 $\pm$ 0.000 χ^2/NDF : 413995344.3/8

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 2000446.9/16

Left Out: 0.000+/-0.000 χ^2/NDF :112733.0/9

Right Out: 0.000+/-0.000 χ^2/NDF : 3613155.3/19

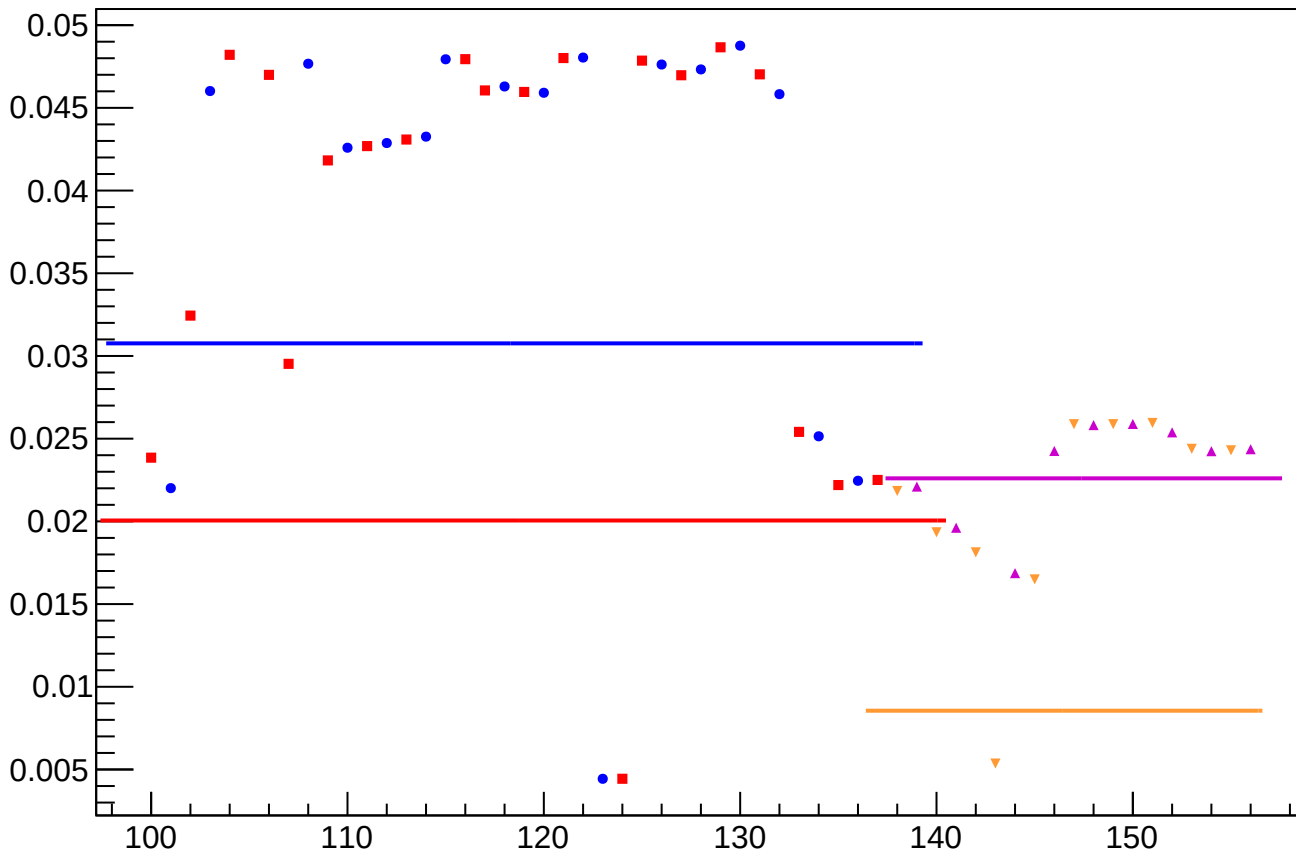
Left In: 0.000+/-0.000 χ^2/NDF :96697.1/8

0.000+/-0.000 χ^2/NDF : 2427522.3/26

0.000+/-0.000 χ^2/NDF : 7702285.8/55

0.000+/-0.000 χ^2/NDF : 5012551.0/28

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.000 χ^2/NDF : 21174738549.0/16

Left Out: 0.009+/-0.000 χ^2/NDF : 19961192920.1/9

Right Out: 0.020+/-0.000 χ^2/NDF : 40133684916.8/19

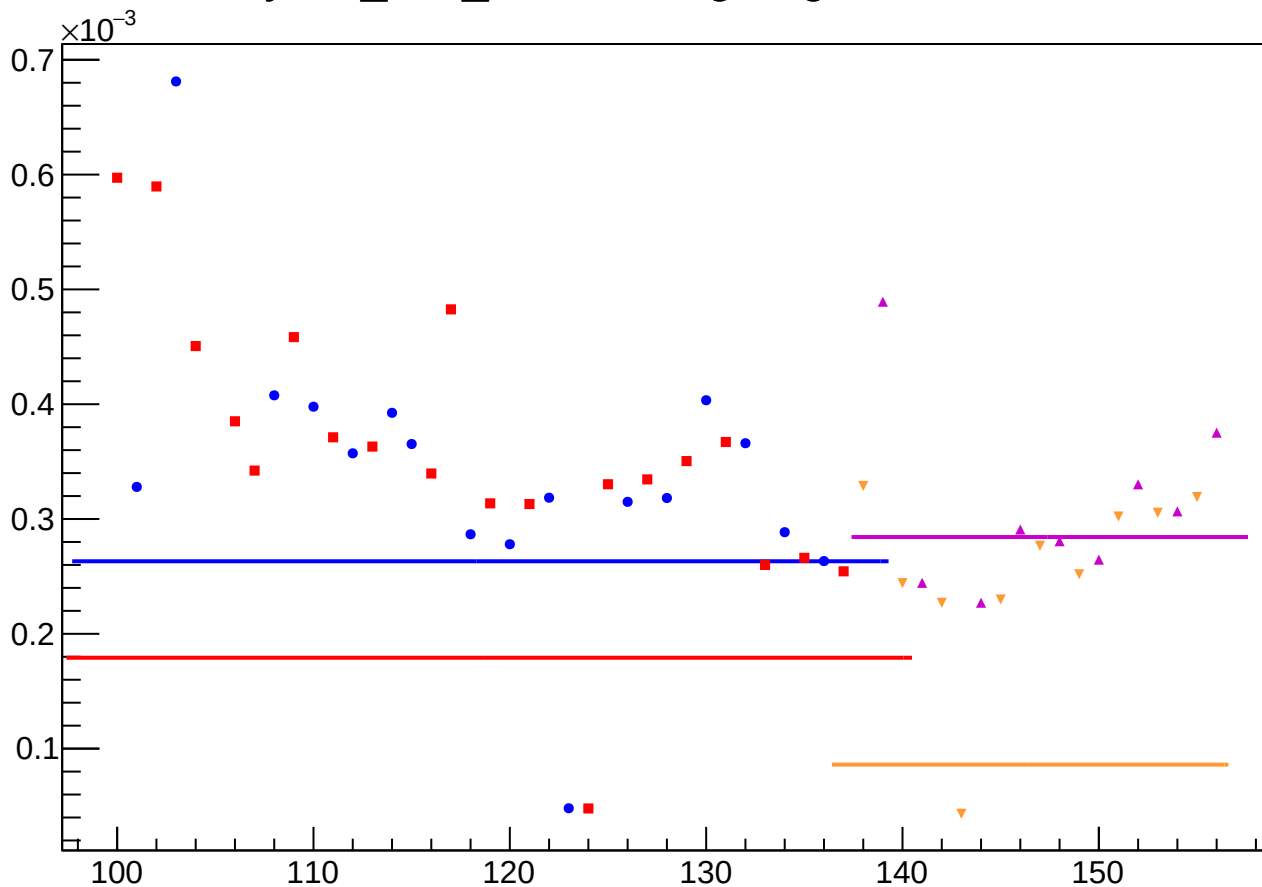
Left In: 0.023+/-0.000 χ^2/NDF : 941592378.5/8

0.012+/-0.000 χ^2/NDF : 71109113601.2/26

0.014+/-0.000 χ^2/NDF : 124976328417.5/26

0.021+/-0.000 χ^2/NDF : 41384406951.9/28

yield_atl2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 2401048.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 6973106.4/9

Right Out: 0.000+/-0.000 χ^2/NDF : 5374355.8/19

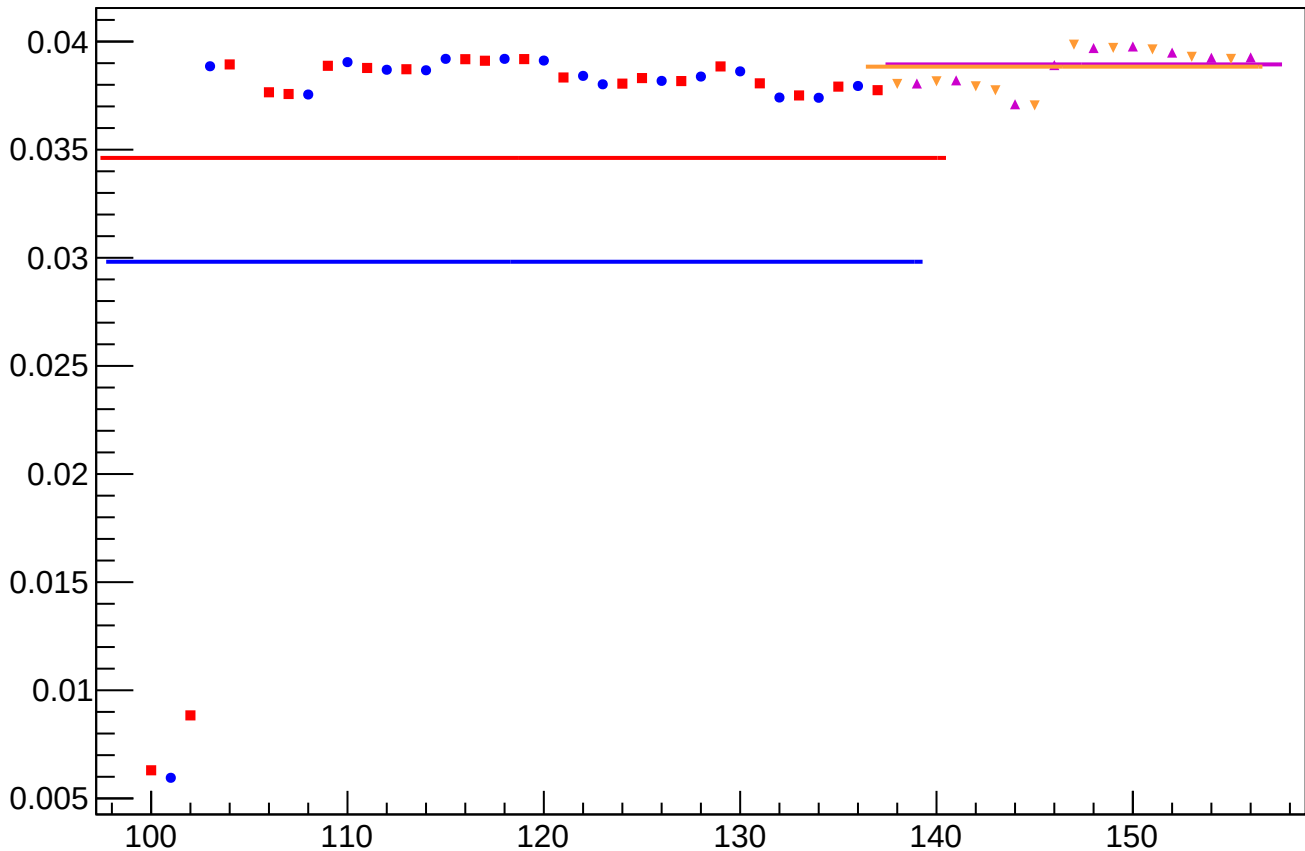
Left In: 0.000+/-0.000 χ^2/NDF : 512140.9/8

0.000+/-0.000 χ^2/NDF : 13187863.9/26

0.000+/-0.000 χ^2/NDF : 23594442.2/55

0.000+/-0.000 χ^2/NDF : 6938996.4/28

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF : 97152184939.3/16

Left Out: 0.039+/-0.000 χ^2/NDF : 322411729.1/9

Right Out: 0.035+/-0.000 χ^2/NDF : 43717644957.2/19

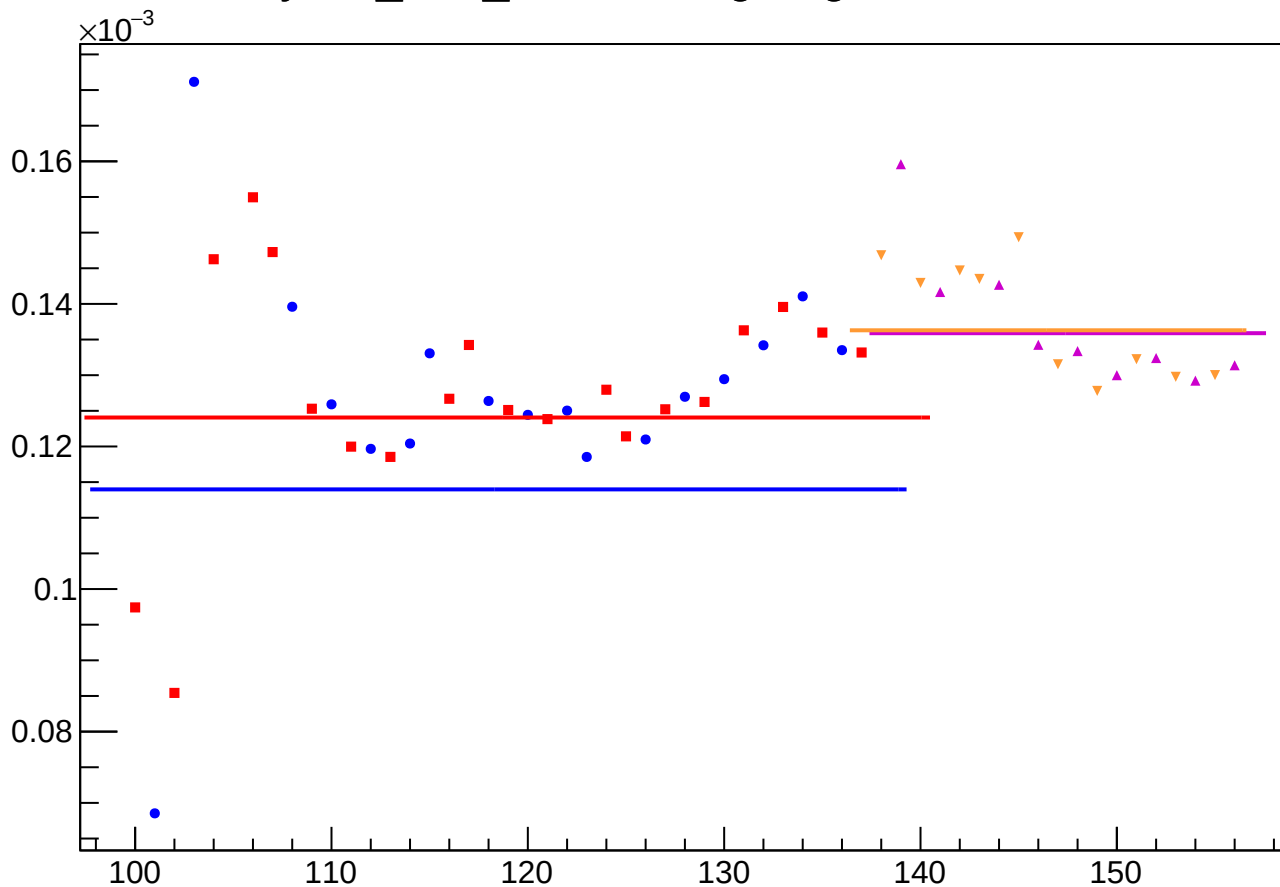
Left In: 0.039+/-0.000 χ^2/NDF : 264341267.8/8

0.034+/-0.000 χ^2/NDF : 114688856581.2/26

0.035+/-0.000 χ^2/NDF : 165773841260.7/28

0.037+/-0.000 χ^2/NDF : 47810120709.1/28

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

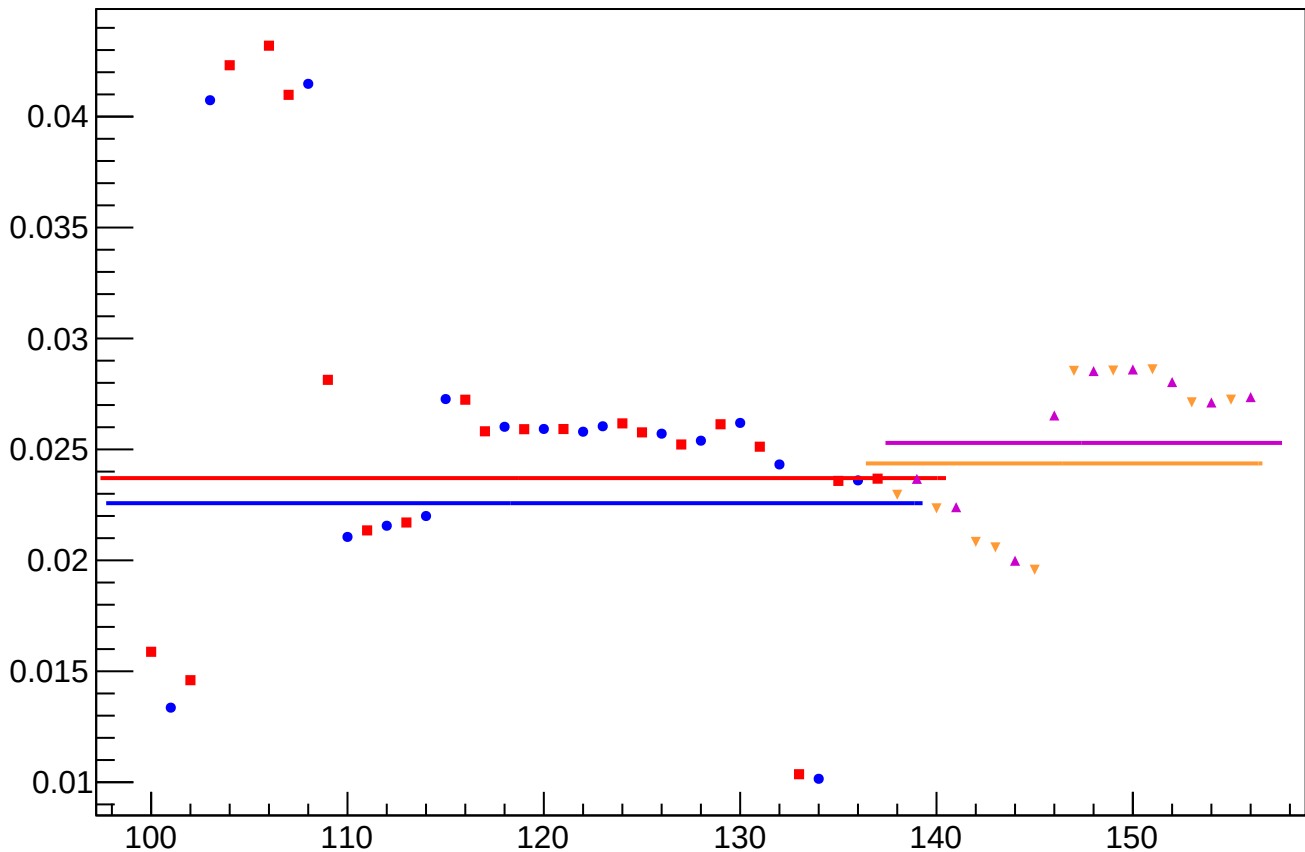
Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 49540.1/8

0.000 $\pm$ 0.000 χ^2 /NDF: 1051027.9/26

0.000 $\pm$ 0.000 χ^2 /NDF: 1430290.2/55

0.000 $\pm$ 0.000 χ^2 /NDF: 352485.4/28

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF : 4247774712.9/16

Left Out: 0.024+/-0.000 χ^2/NDF : 1291244453.1/9

Right Out: 0.024+/-0.000 χ^2/NDF : 5652505580.7/19

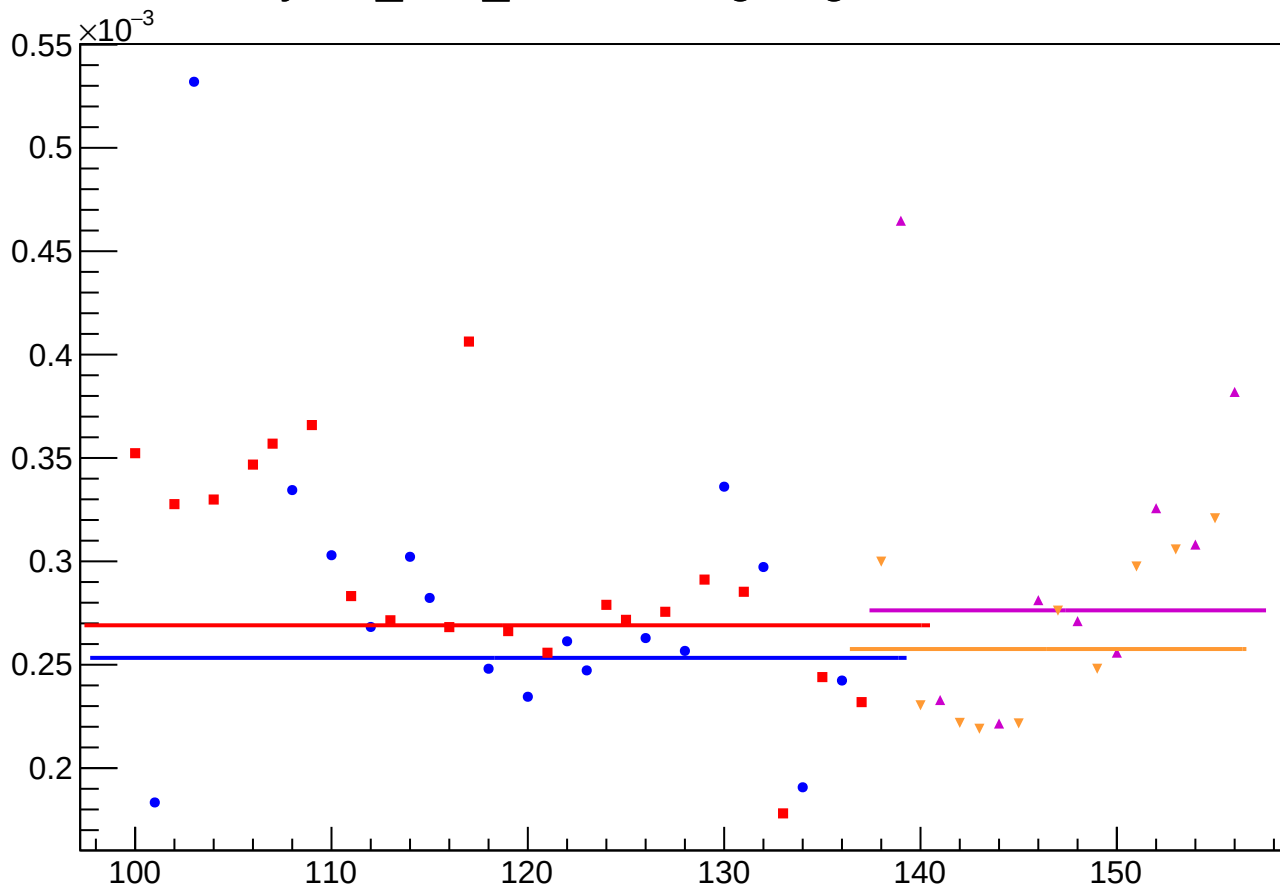
Left In: 0.025+/-0.000 χ^2/NDF : 932293131.9/8

0.024+/-0.000 χ^2/NDF : 5689217976.4/26

0.024+/-0.000 χ^2/NDF : 12469004985.2/5

0.024+/-0.000 χ^2/NDF : 6691996991.8/28

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 629159.2/16

Left Out: 0.000+/-0.000 χ^2/NDF : 262623.2/9

Right Out: 0.000+/-0.000 χ^2/NDF : 437710.5/19

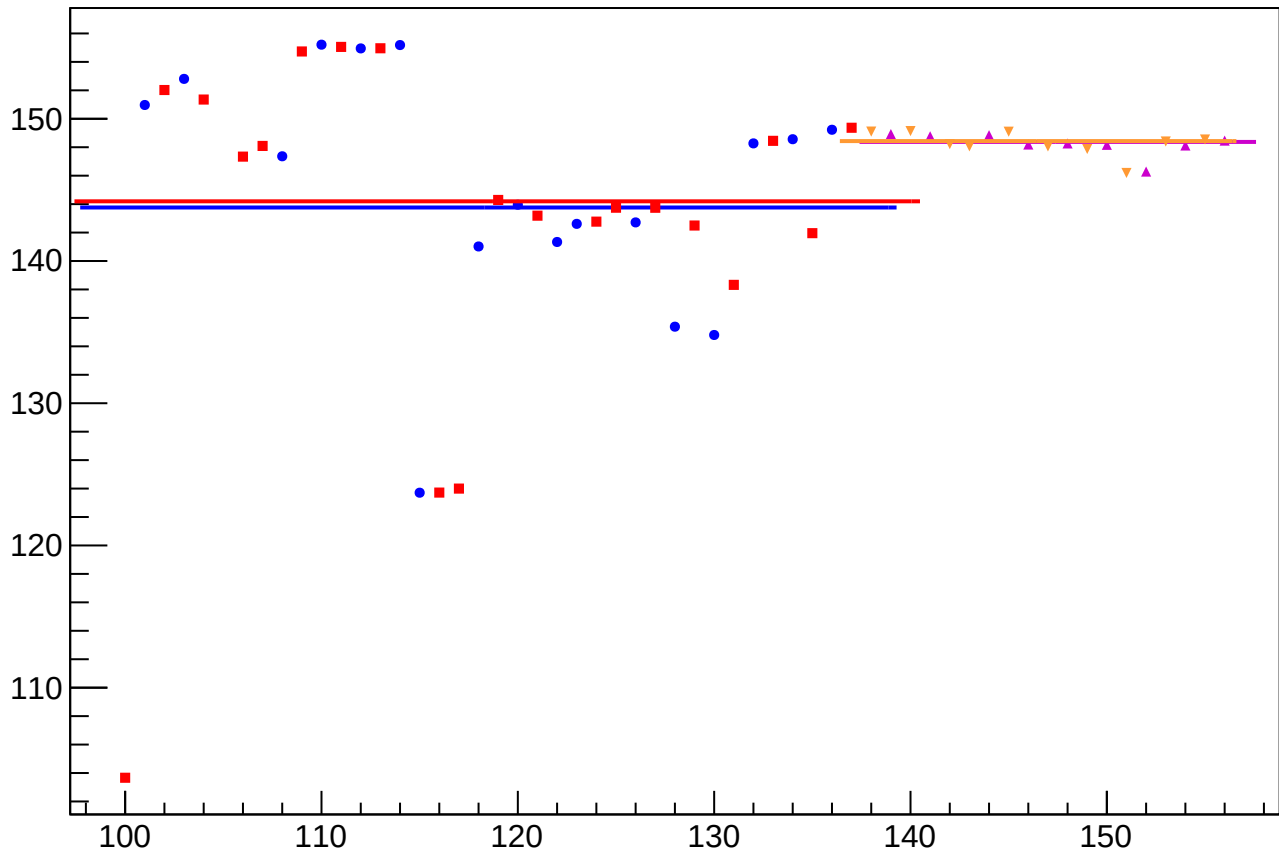
Left In: 0.000+/-0.000 χ^2/NDF : 545857.0/8

0.000+/-0.000 χ^2/NDF : 893493.5/26

0.000+/-0.000 χ^2/NDF : 1933958.3/55

0.000+/-0.000 χ^2/NDF : 988014.6/28

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.763+/-0.000 χ^2/NDF : 3534699505.1/16

Left Out: 148.432+/-0.000 χ^2/NDF : 30731523.5/9

Right Out: 144.197+/-0.000 χ^2/NDF : 4523139755.0/19

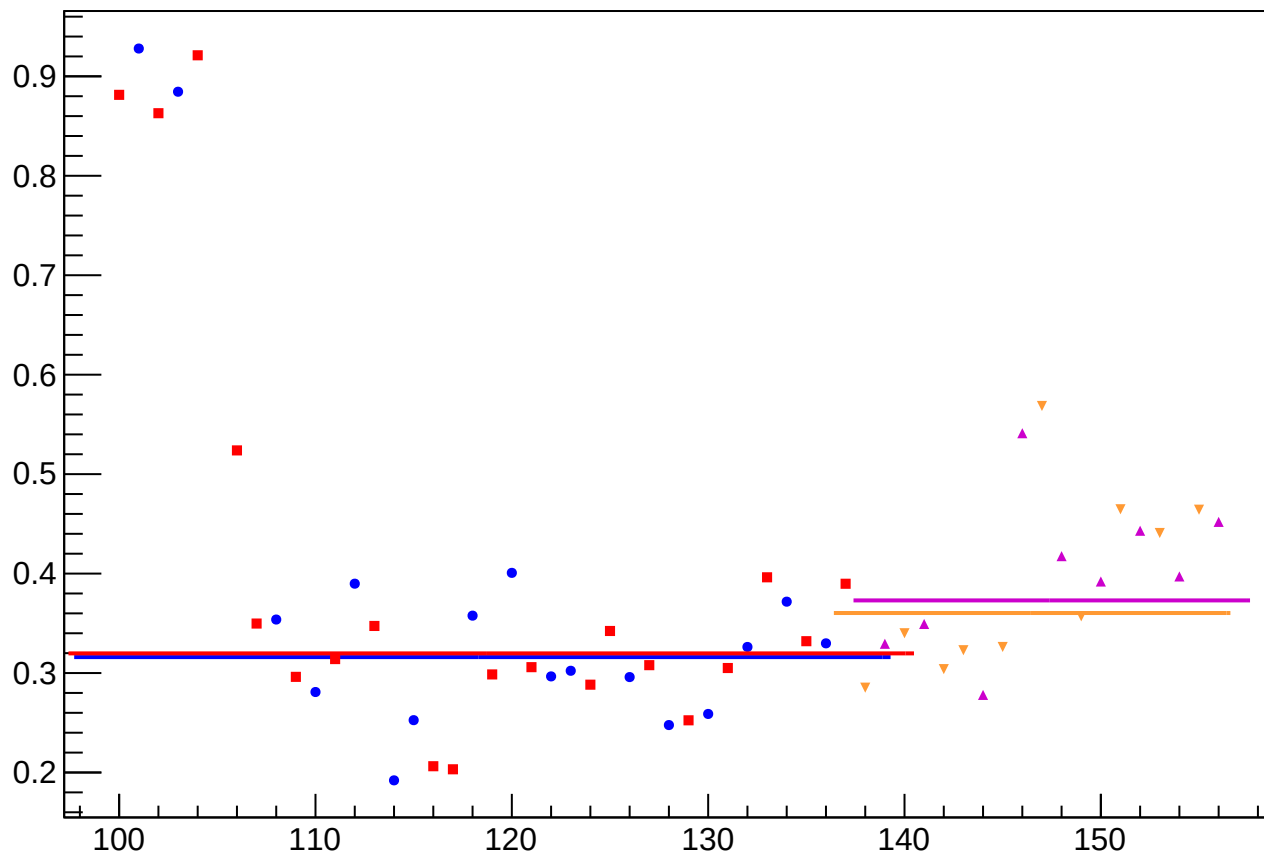
Left In: 148.373+/-0.000 χ^2/NDF : 23450392.0/8

146.022+/-0.000 χ^2/NDF : 4152016263.8/26

146.072+/-0.000 χ^2/NDF : 9161574604.5/26

146.123+/-0.000 χ^2/NDF : 5009014414.1/28

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.316 $\pm$ 0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.360 $\pm$ 0.000 χ^2/NDF : 566276.9/9

Right Out: 0.320 $\pm$ 0.000 χ^2/NDF : 1241752.3/19

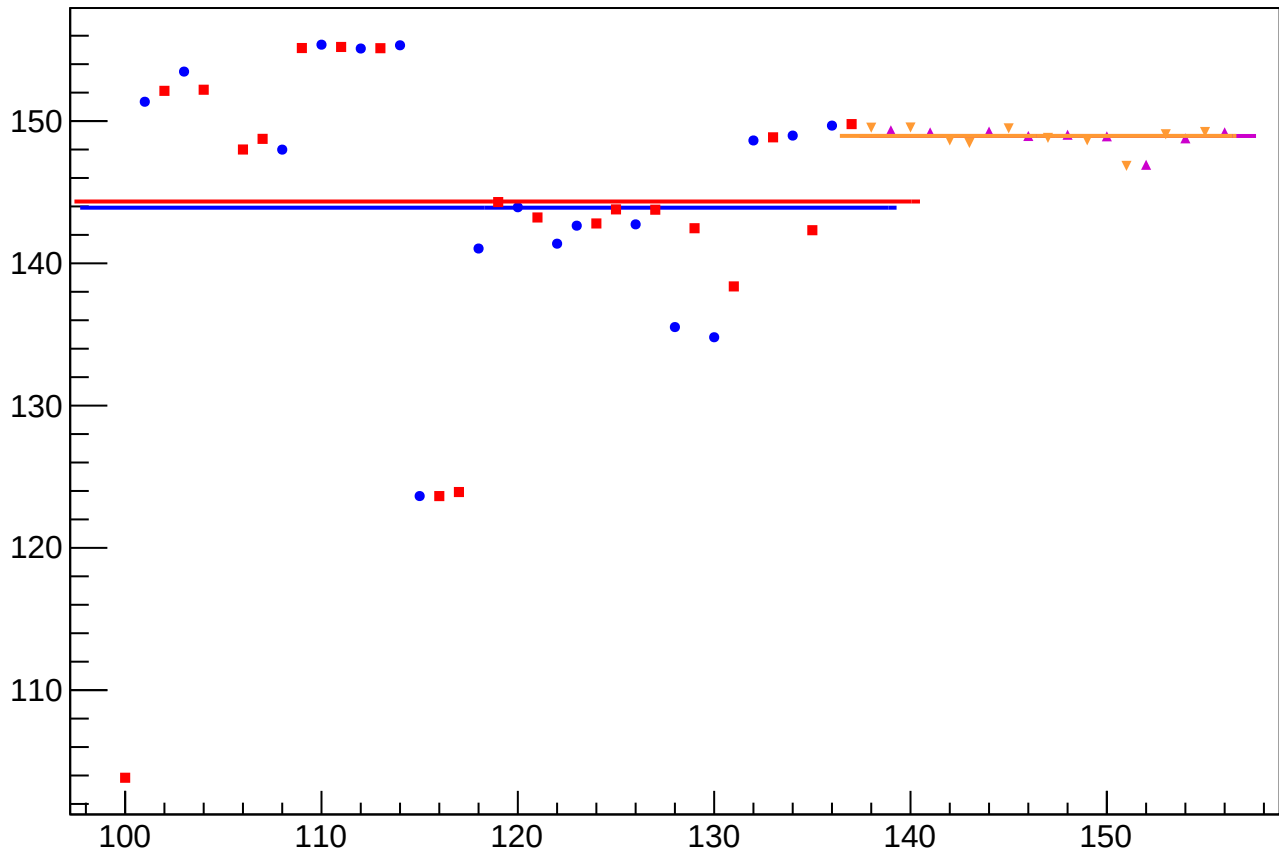
Left In: 0.373 $\pm$ 0.000 χ^2/NDF : 491597.3/8

0.337 $\pm$ 0.000 χ^2/NDF : 1937960.1/26

0.341 $\pm$ 0.000 χ^2/NDF : 3826818.4/55

0.344 $\pm$ 0.000 χ^2/NDF : 1883830.6/28

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 143.912 $\pm$ 0.000 χ^2/NDF : 3587769790.2/16

Left Out: 148.959 $\pm$ 0.000 χ^2/NDF : 24780455.1/9

Right Out: 144.347 $\pm$ 0.000 χ^2/NDF : 4550581147.9/19

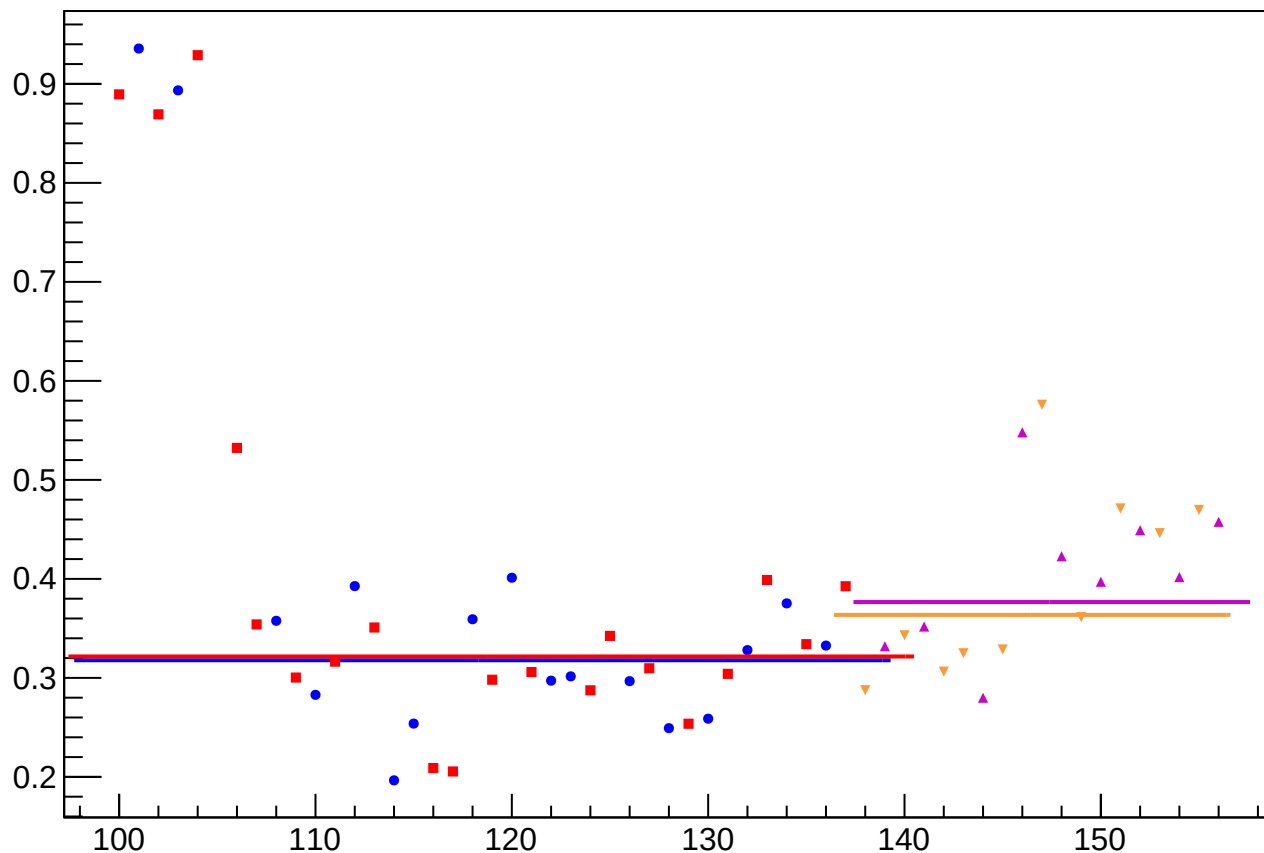
Left In: 148.952 $\pm$ 0.000 χ^2/NDF : 18735229.0/8

146.344 $\pm$ 0.000 χ^2/NDF : 4287464133.2/26

146.402 $\pm$ 0.000 χ^2/NDF : 9410908968.7/19

146.461 $\pm$ 0.000 χ^2/NDF : 5122722986.5/28

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

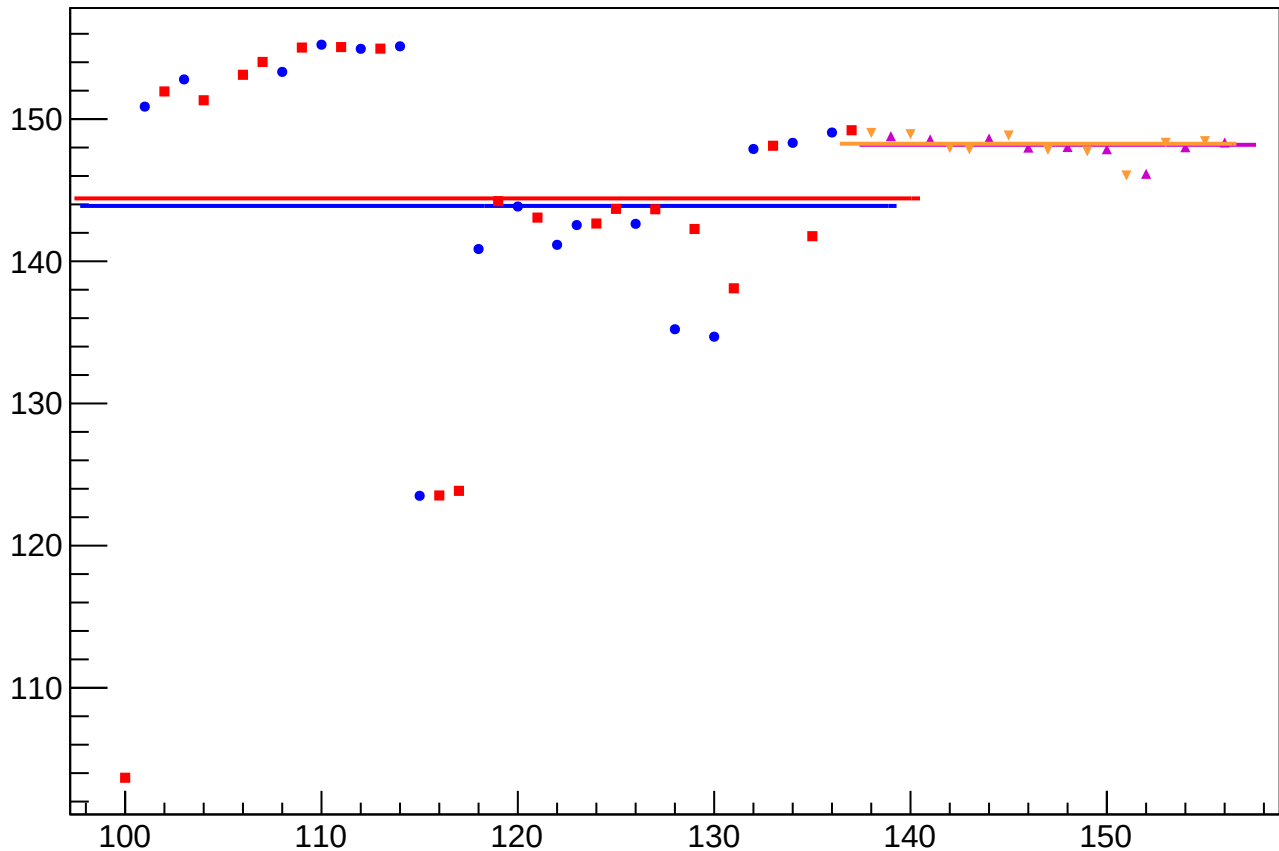
Left In: 0.377+/-0.000 χ^2/NDF : 503723.1/8

0.340+/-0.000 χ^2/NDF : 1956727.9/26

0.343+/-0.000 χ^2/NDF : 3867664.7/55

0.347+/-0.000 χ^2/NDF : 1905780.5/28

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.893 +/- 0.000 χ^2/NDF : 3752655677.2/16

Left Out: 148.268 +/- 0.000 χ^2/NDF : 30900479.6/9

Right Out: 144.423 +/- 0.000 χ^2/NDF : 4819194675.6/19

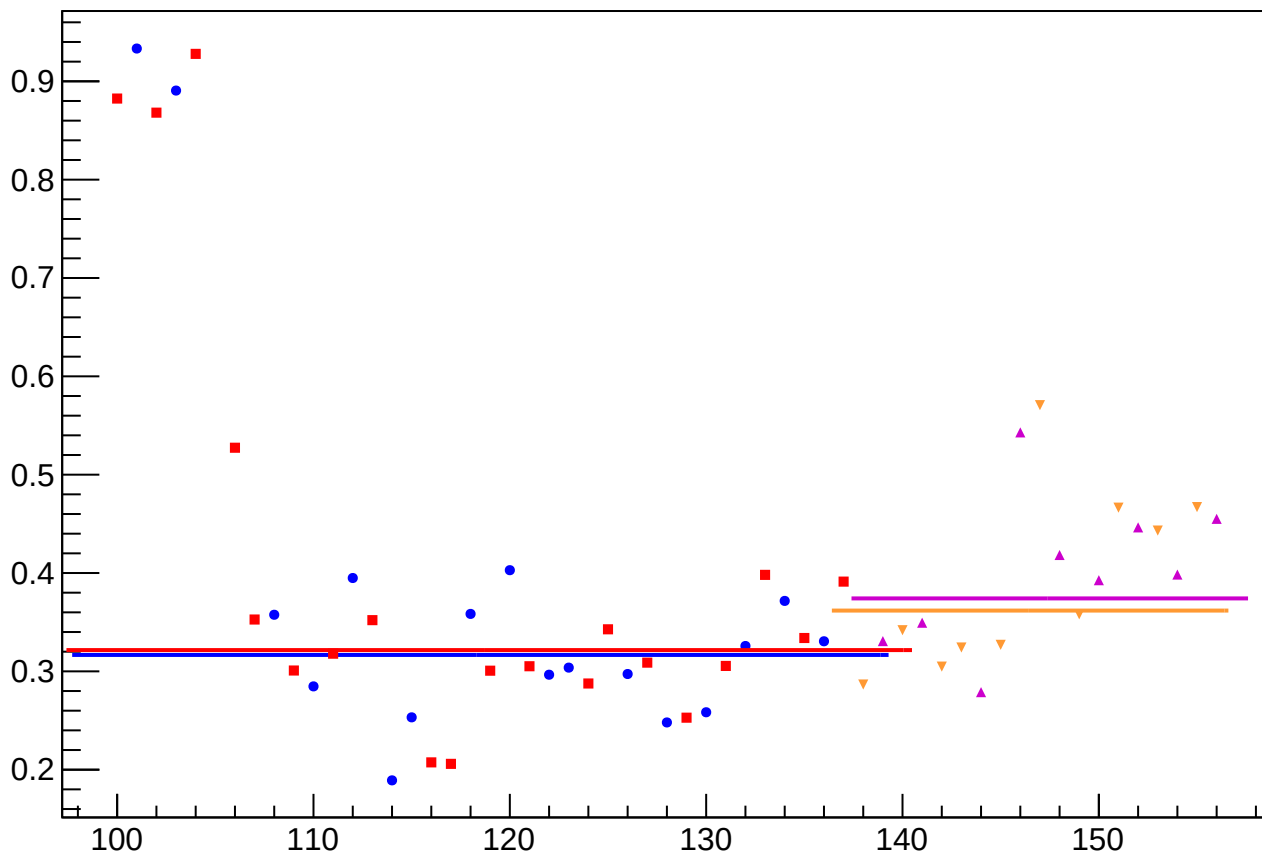
Left In: 148.192 +/- 0.000 χ^2/NDF : 22730727.6/8

146.007 +/- 0.000 χ^2/NDF : 4294709760.5/26

146.086 +/- 0.000 χ^2/NDF : 9511398127.3/27

146.166 +/- 0.000 χ^2/NDF : 5215350339.2/28

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317+/-0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.362+/-0.000 χ^2/NDF : 567807.7/9

Right Out: 0.322+/-0.000 χ^2/NDF : 1244671.1/19

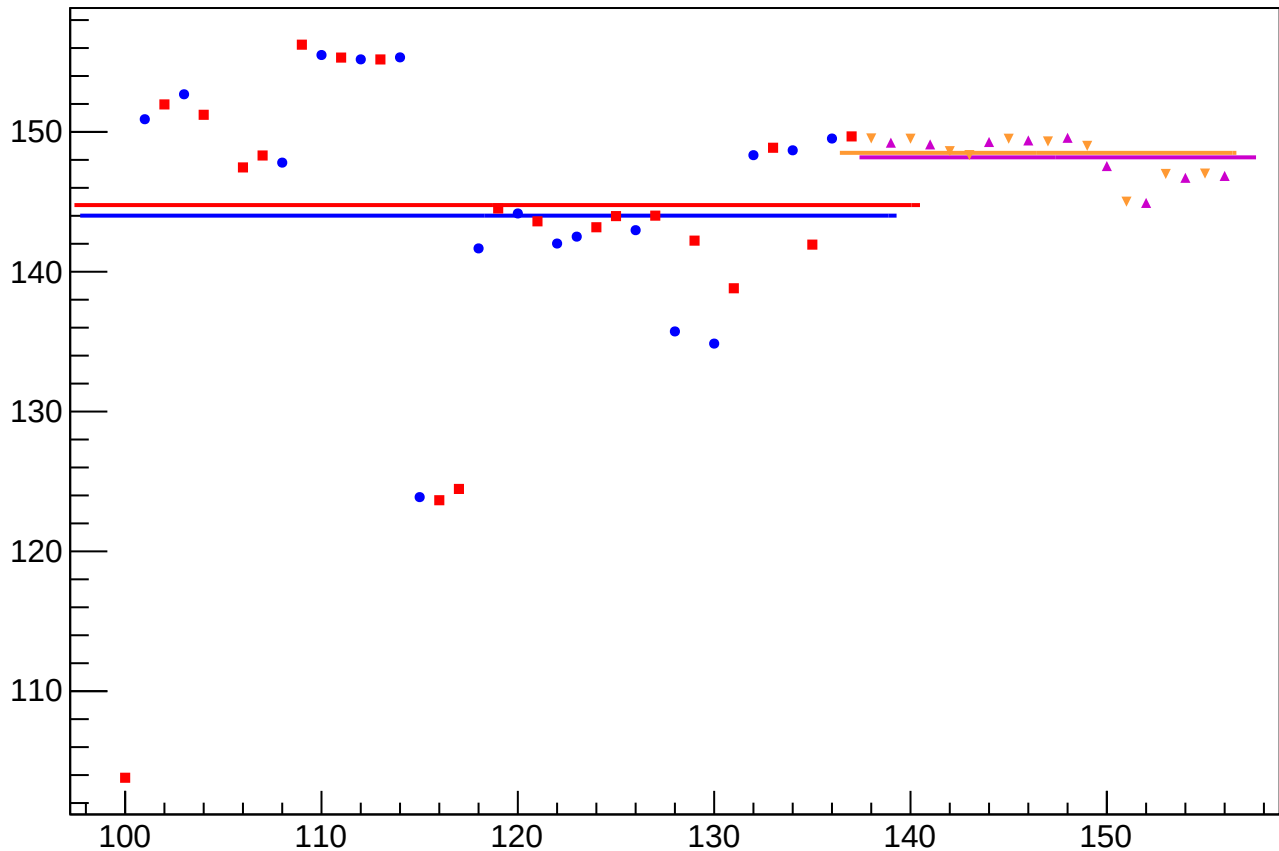
Left In: 0.374+/-0.000 χ^2/NDF : 495410.7/8

0.339+/-0.000 χ^2/NDF : 1956894.3/26

0.342+/-0.000 χ^2/NDF : 3848006.9/55

0.346+/-0.000 χ^2/NDF : 1885250.6/28

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.012 $\pm$ 0.000 χ^2 /NDF: 3241696920.3/16

Left Out: 148.504 $\pm$ 0.000 χ^2 /NDF: 80847038.3/9

Right Out: 144.767 $\pm$ 0.000 χ^2 /NDF: 4097482970.1/19

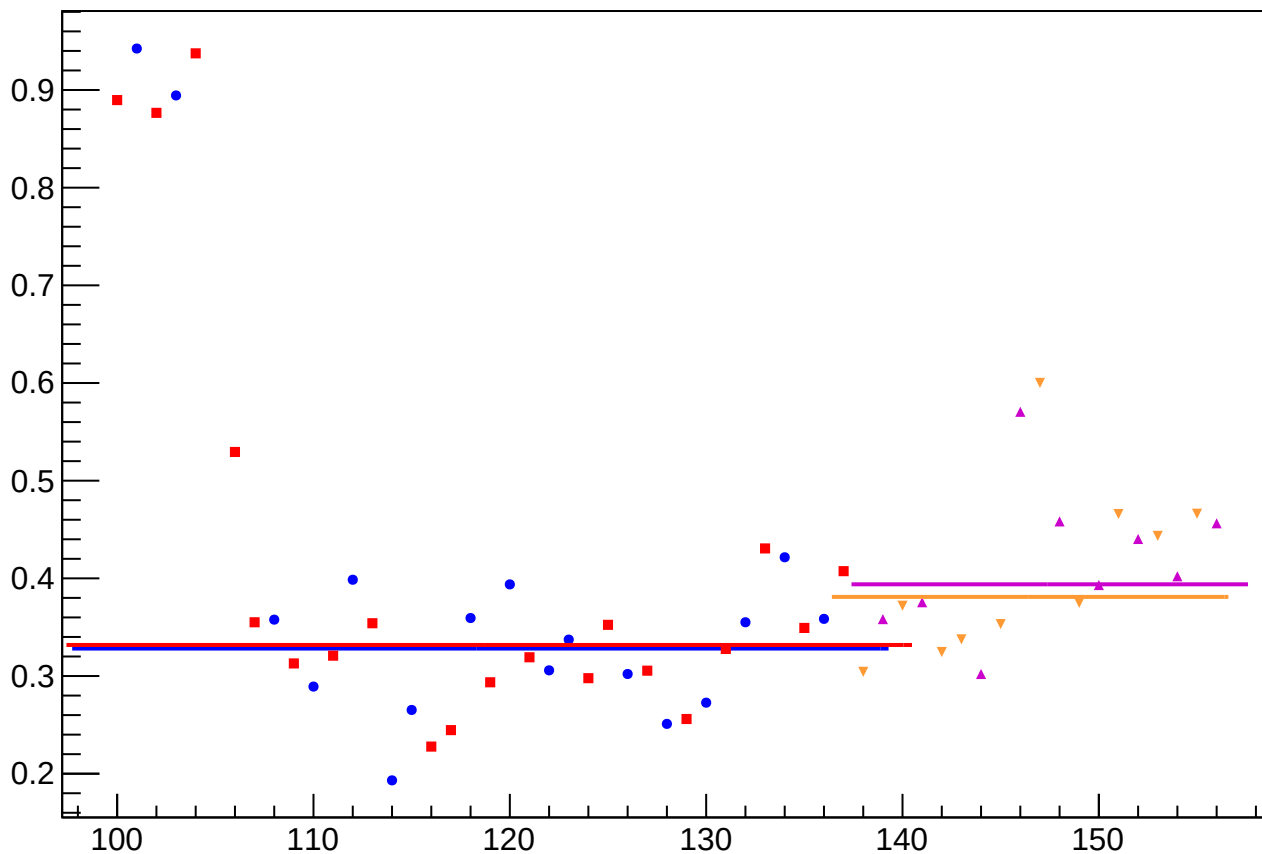
Left In: 148.181 $\pm$ 0.000 χ^2 /NDF: 94269247.6/8

146.151 $\pm$ 0.000 χ^2 /NDF: 3815490492.3/26

146.233 $\pm$ 0.000 χ^2 /NDF: 8290904425.4/27

146.316 $\pm$ 0.000 χ^2 /NDF: 4474077056.0/28

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.328 ± 0.000 $\chi^2/\text{NDF}: 1265892.9/16$

Left Out: 0.381 ± 0.000 $\chi^2/\text{NDF}: 470999.0/9$

Right Out: 0.332 ± 0.000 $\chi^2/\text{NDF}: 1194167.8/19$

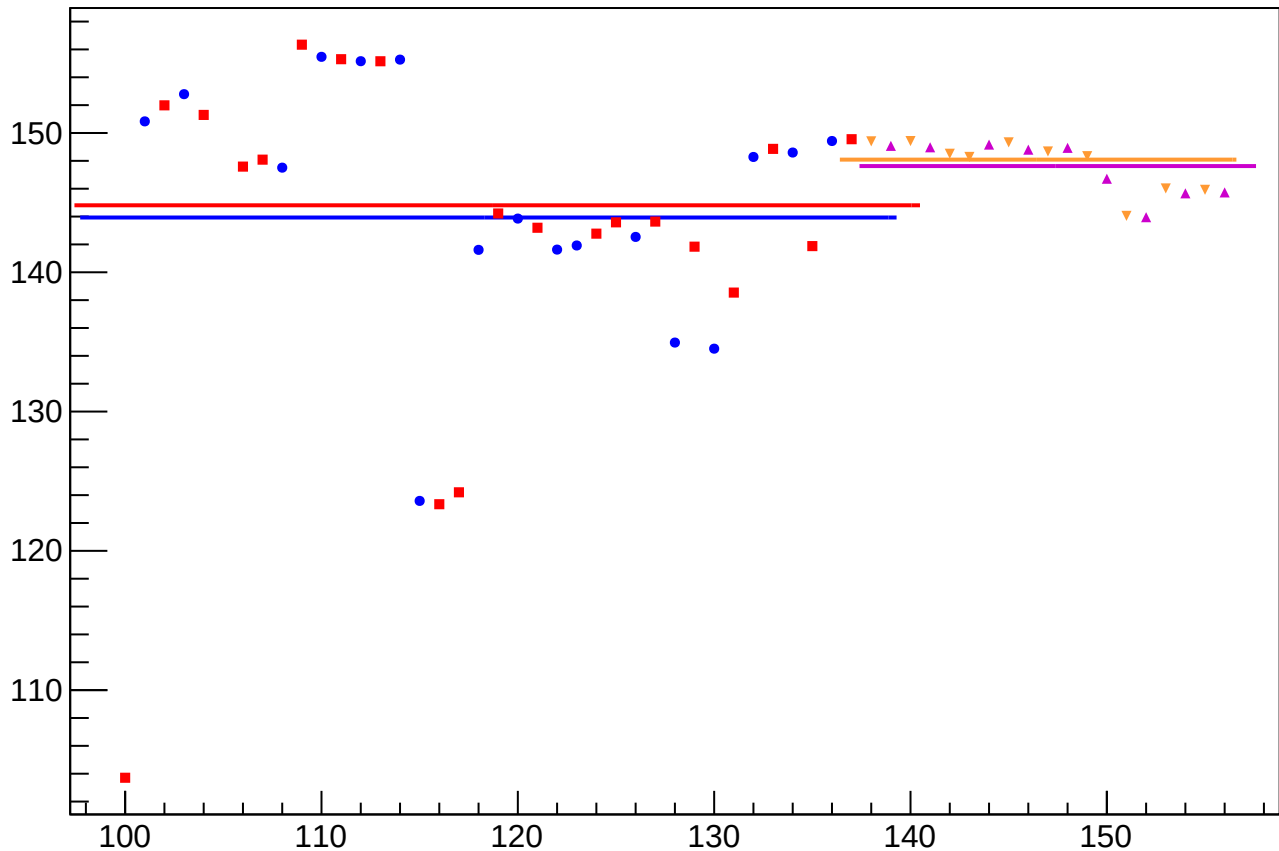
Left In: 0.394 ± 0.000 $\chi^2/\text{NDF}: 396658.9/8$

0.353 ± 0.000 $\chi^2/\text{NDF}: 1873579.4/26$

0.357 ± 0.000 $\chi^2/\text{NDF}: 3655632.7/55$

0.360 ± 0.000 $\chi^2/\text{NDF}: 1777716.3/28$

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

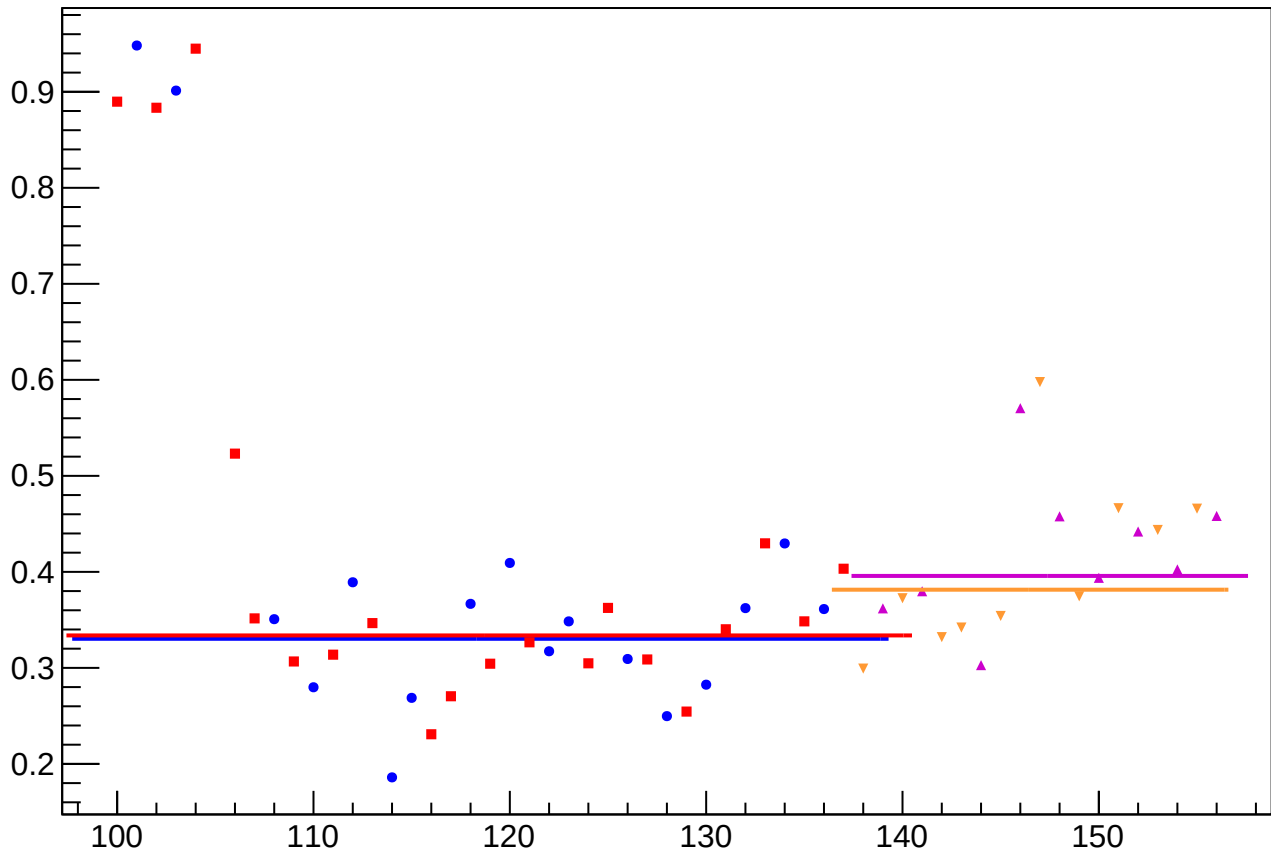
Left In: 147.625 +/- 0.000 χ^2/NDF : 142156466.2/8

145.924 +/- 0.000 χ^2/NDF : 3923353962.2/26

146.006 +/- 0.000 χ^2/NDF : 8394597161.6/26

146.088 +/- 0.000 χ^2/NDF : 4469947487.4/28

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.330 $\pm$ 0.000 χ^2 /NDF: 1283955.7/16

Left Out: 0.381 $\pm$ 0.000 χ^2 /NDF: 470730.2/9

Right Out: 0.334 $\pm$ 0.000 χ^2 /NDF: 1177889.1/19

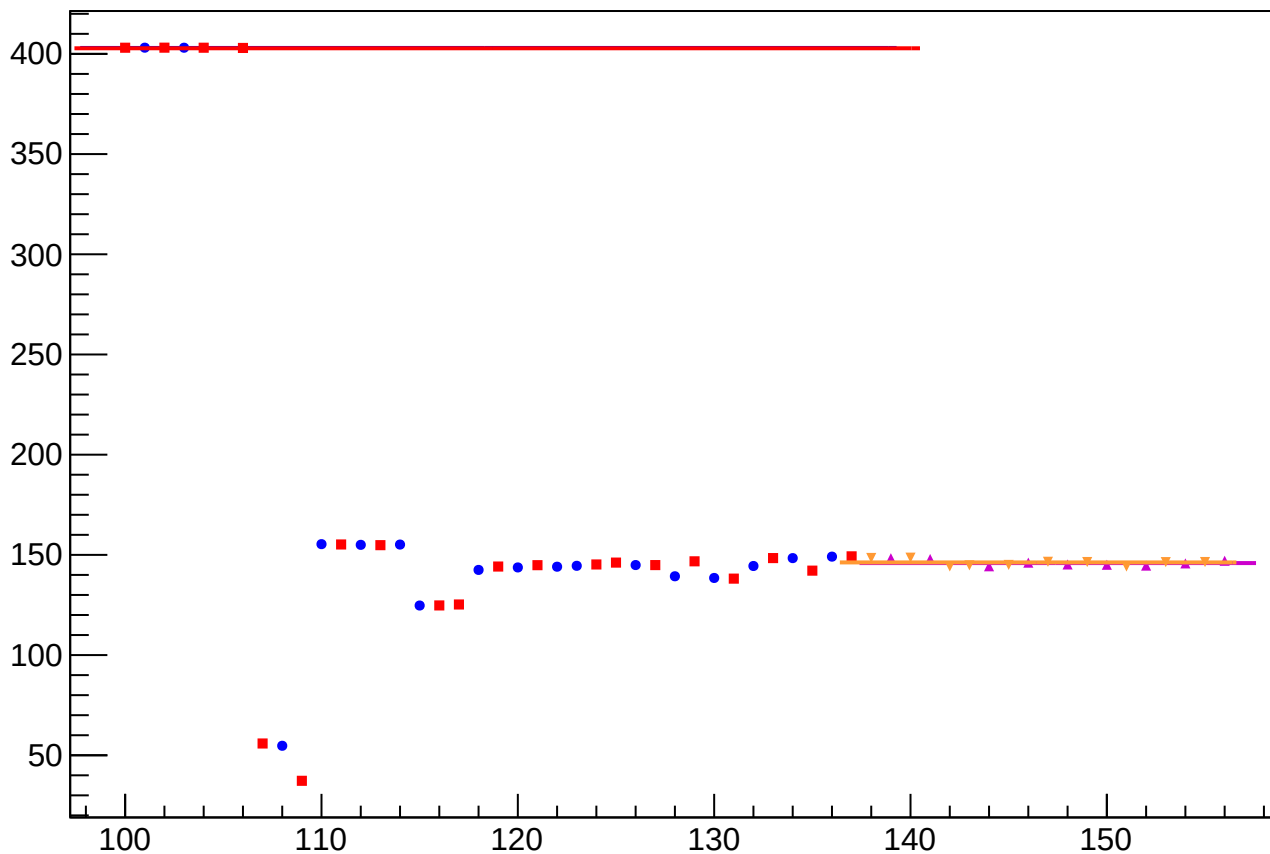
Left In: 0.396 $\pm$ 0.000 χ^2 /NDF: 389102.5/8

0.355 $\pm$ 0.000 χ^2 /NDF: 1881066.7/26

0.358 $\pm$ 0.000 χ^2 /NDF: 3636757.0/55

0.362 $\pm$ 0.000 χ^2 /NDF: 1750769.5/28

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.958 +/- 0.000 χ^2/NDF : 1094364588383.4/16

Left Out: 146.235 +/- 0.000 χ^2/NDF : 30441685.8/9

Right Out: 402.797 +/- 0.000 χ^2/NDF : 3120897866993.6/19

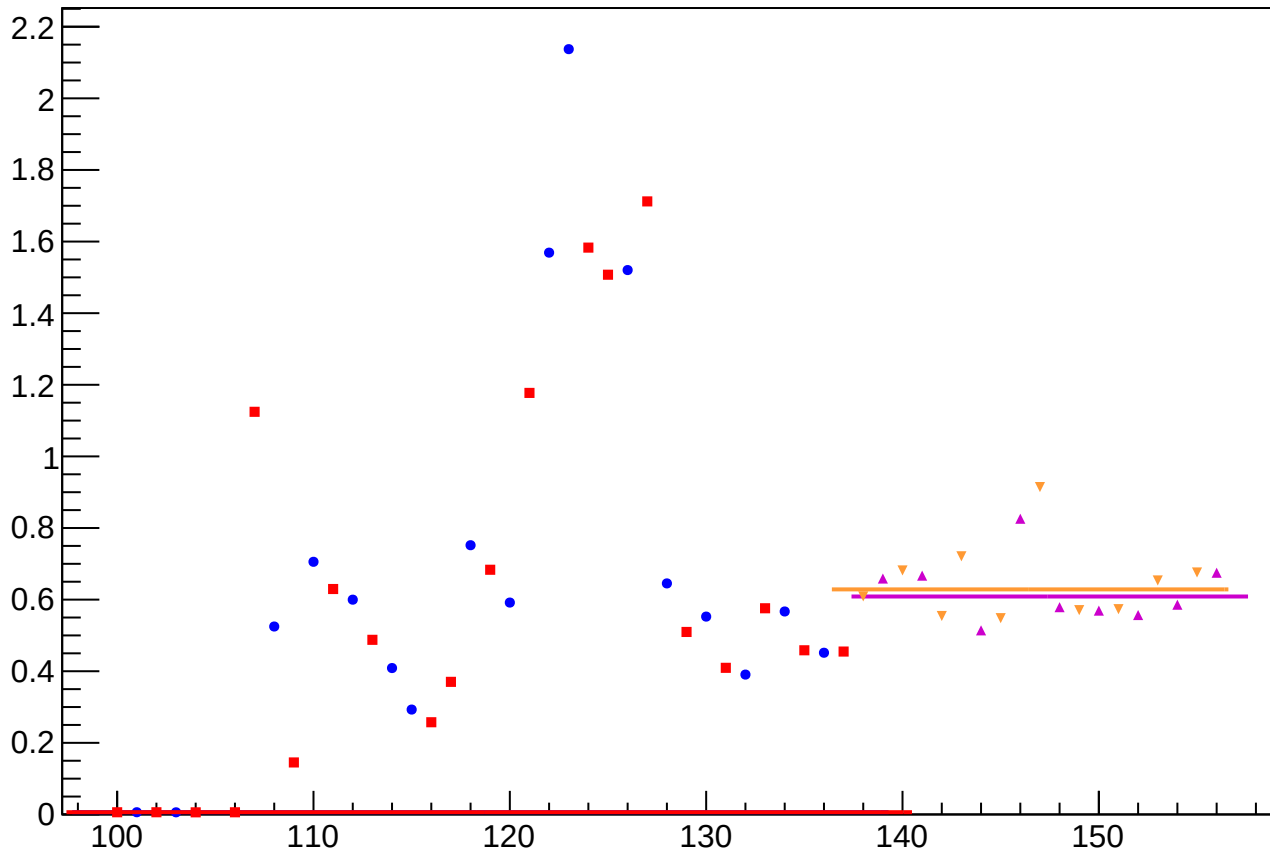
Left In: 145.910 +/- 0.000 χ^2/NDF : 25305823.4/8

402.857 +/- 0.000 χ^2/NDF : 1895797360127.0/20

402.775 +/- 0.000 χ^2/NDF : 587986402938

402.702 +/- 0.000 χ^2/NDF : 3983665243612.6/28

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.629+/-0.000 χ^2/NDF :175293.2/9

Right Out: 0.006+/-0.000 χ^2/NDF : 9258244.0/19

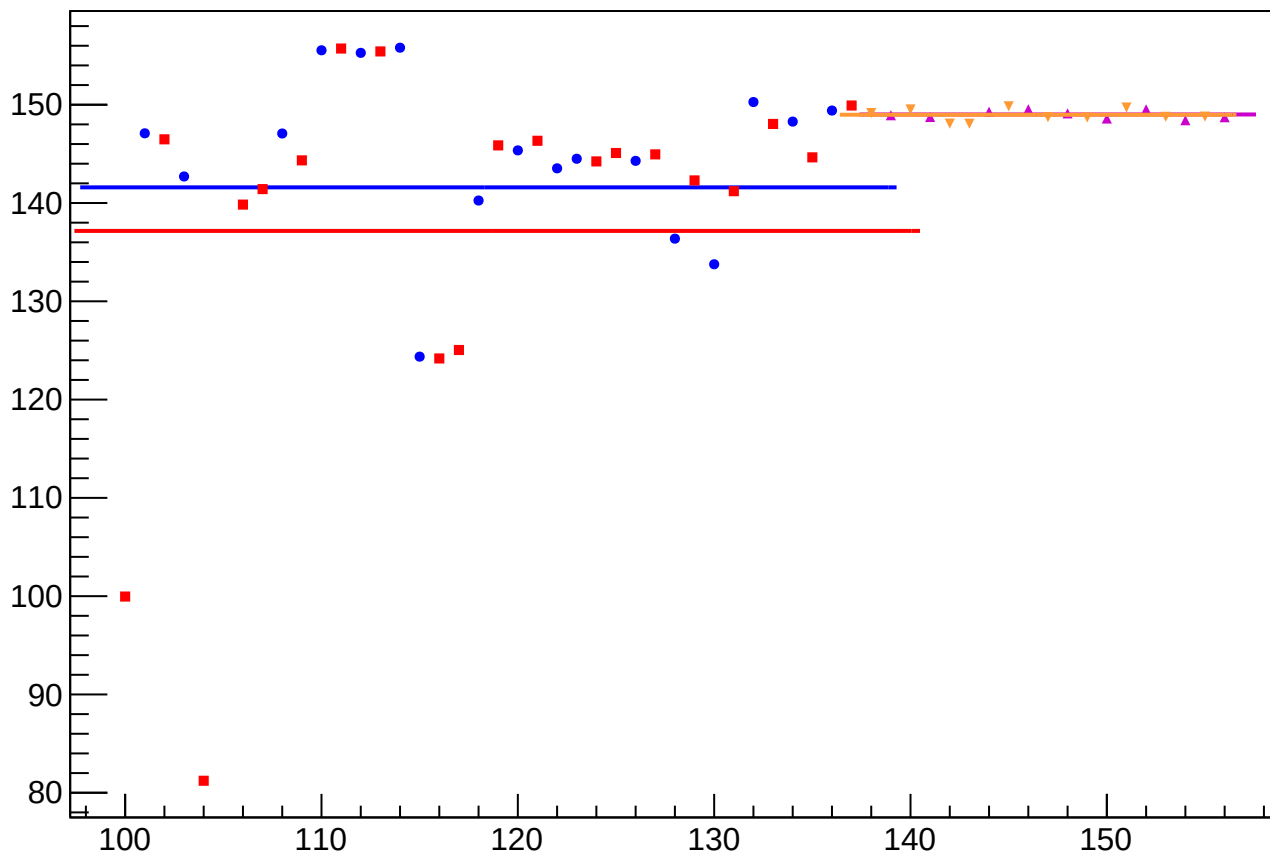
Left In: 0.609+/-0.000 χ^2/NDF :152972.2/8

0.007+/-0.000 χ^2/NDF : 18670559.5/26

0.007+/-0.000 χ^2/NDF : 37569903.1/55

0.007+/-0.000 χ^2/NDF : 18899318.8/28

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.593 $\pm$ 0.000 χ^2 /NDF: 980101868.2/16

Left Out: 148.980 $\pm$ 0.000 χ^2 /NDF: 8504536.5/9

Right Out: 137.162 $\pm$ 0.000 χ^2 /NDF: 1366089515.6/19

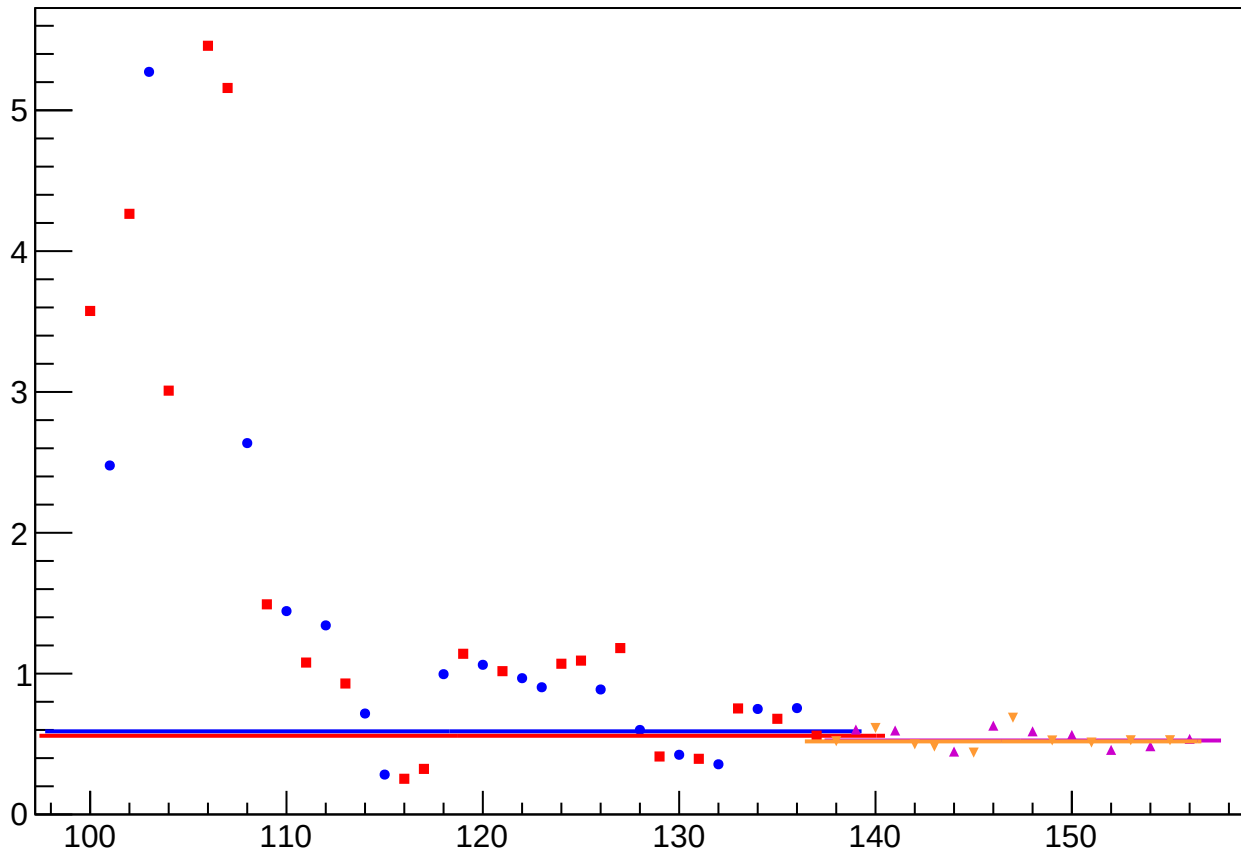
Left In: 149.009 $\pm$ 0.000 χ^2 /NDF: 3822313.7/8

146.719 $\pm$ 0.000 χ^2 /NDF: 1370832037.2/26

145.930 $\pm$ 0.000 χ^2 /NDF: 3818780774.7/26

145.157 $\pm$ 0.000 χ^2 /NDF: 2407325623.6/28

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.590+/-0.000 χ^2/NDF : 3491995.1/16

Left Out: 0.519+/-0.000 χ^2/NDF : 163834.6/9

Right Out: 0.559+/-0.000 χ^2/NDF : 4721291.1/19

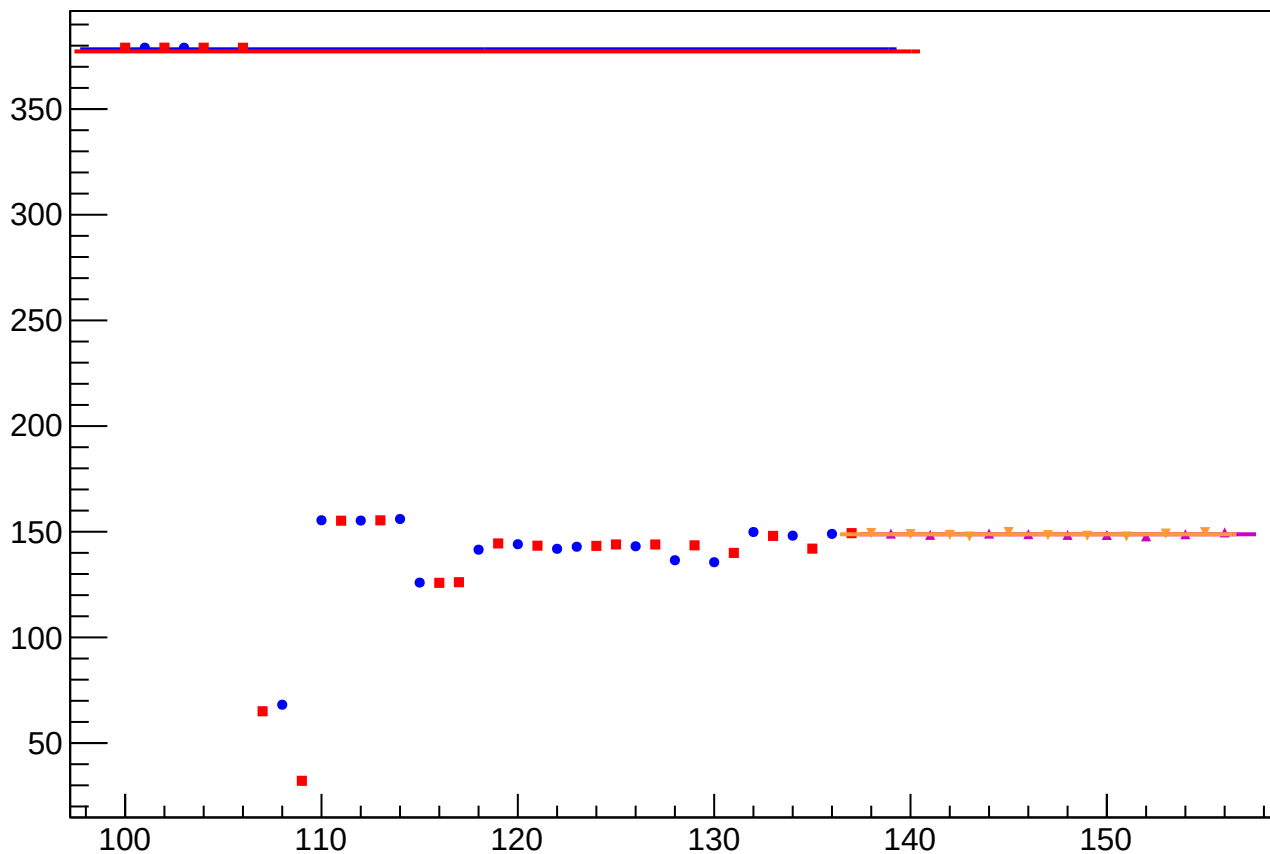
Left In: 0.525+/-0.000 χ^2/NDF : 189023.5/8

0.541+/-0.000 χ^2/NDF : 3727396.1/26

0.538+/-0.000 χ^2/NDF : 8655098.8/55

0.536+/-0.000 χ^2/NDF : 4927002.8/28

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.283+/-0.000 χ^2/NDF : 2508313421453.8/16

Left Out: 148.798+/-0.000 χ^2/NDF : 22771109.7/9

Right Out: 377.280+/-0.000 χ^2/NDF : 8313240281527.9/19

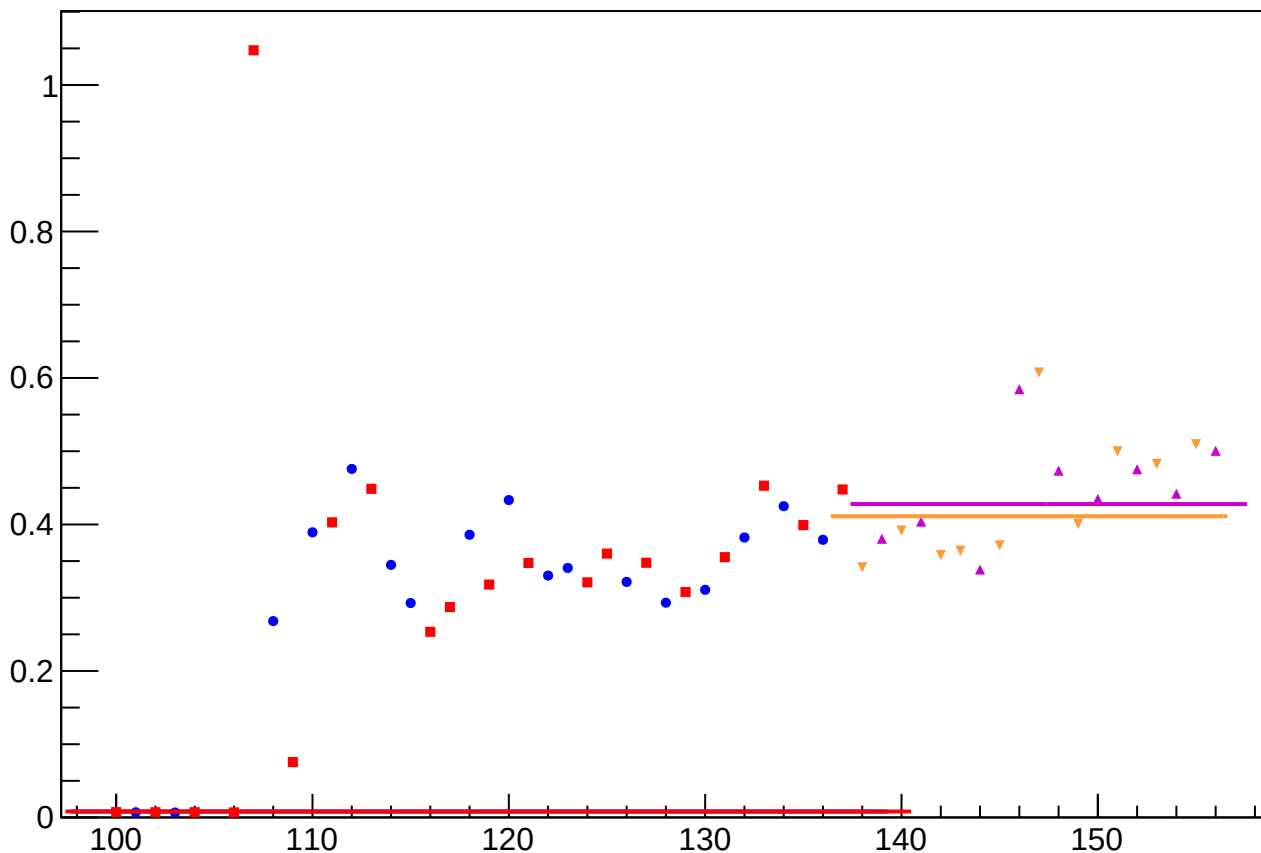
Left In: 148.802+/-0.000 χ^2/NDF : 8022465.7/8

377.583+/-0.000 χ^2/NDF : 4645220218551.4/20

377.117+/-0.000 χ^2/NDF : 149481077693

376.708+/-0.000 χ^2/NDF : 10297437087621.9/20

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

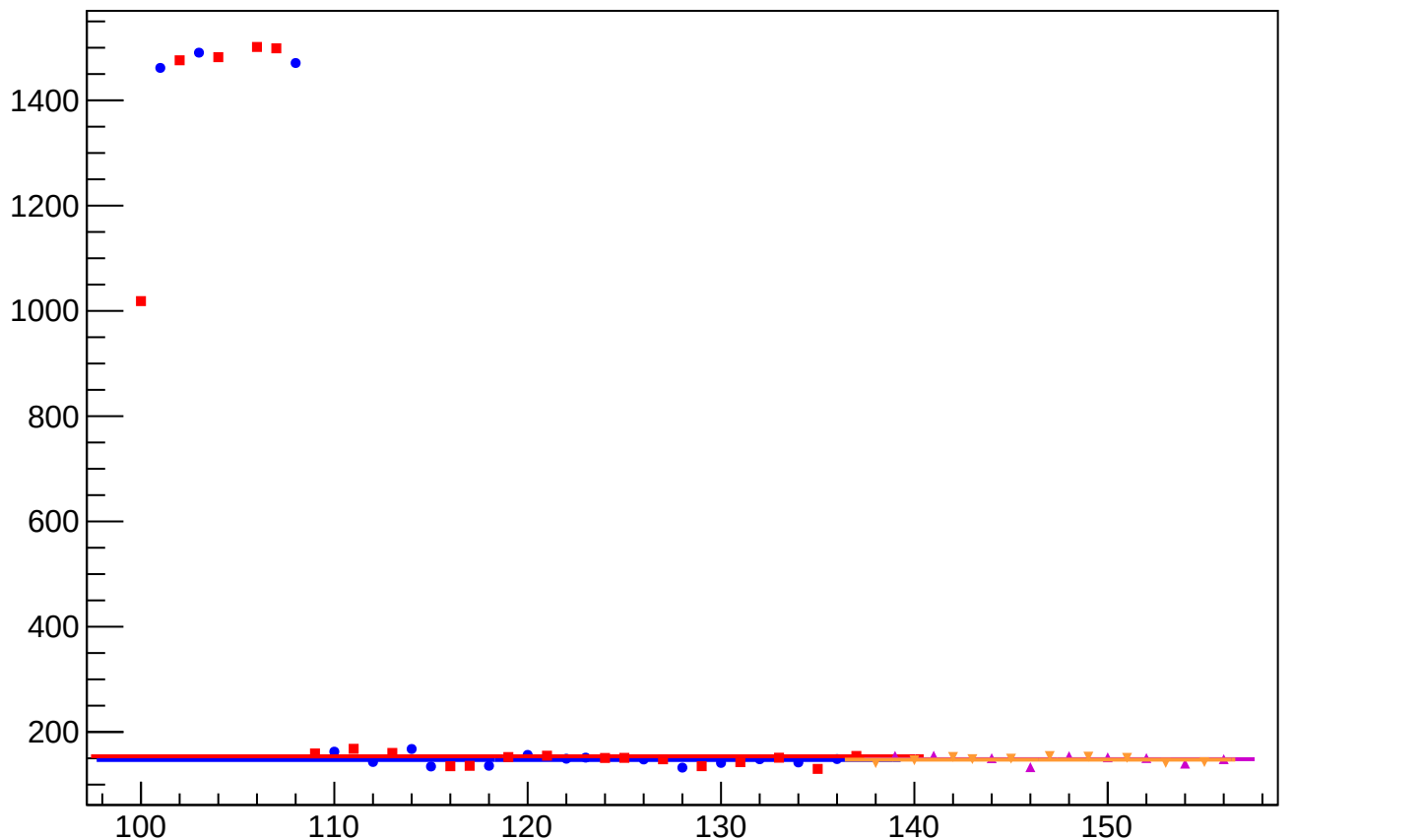
Left In: 0.428 $\pm$ 0.000 χ^2/NDF : 323584.8/8

0.009 $\pm$ 0.000 χ^2/NDF : 23406222.9/26

0.009 $\pm$ 0.000 χ^2/NDF : 46710978.6/55

0.009 $\pm$ 0.000 χ^2/NDF : 23304457.8/28

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.819+/-0.000 χ^2/NDF : 24360774977.7/16

Left Out: 147.456+/-0.000 χ^2/NDF : 182552239.8/9

Right Out: 153.832+/-0.000 χ^2/NDF : 33744235949.2/19

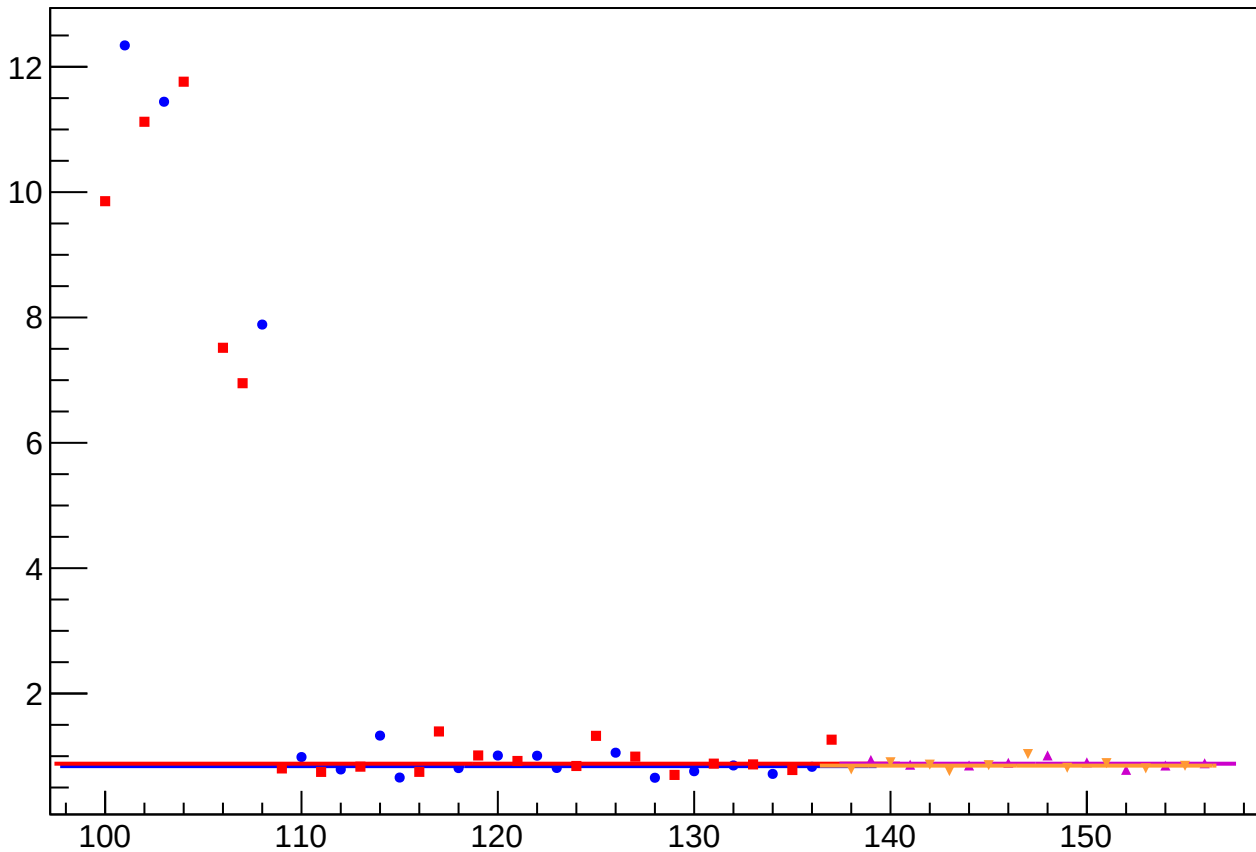
Left In: 148.348+/-0.000 χ^2/NDF : 365489036.4/8

147.199+/-0.000 χ^2/NDF : 24544615956.5/26

148.881+/-0.000 χ^2/NDF : 58823989539.4

150.606+/-0.000 χ^2/NDF : 34203611065.3/28

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.841 ± 0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.849 ± 0.000 χ^2/NDF : 74276.8/9

Right Out: 0.880 ± 0.000 χ^2/NDF : 2825356.7/19

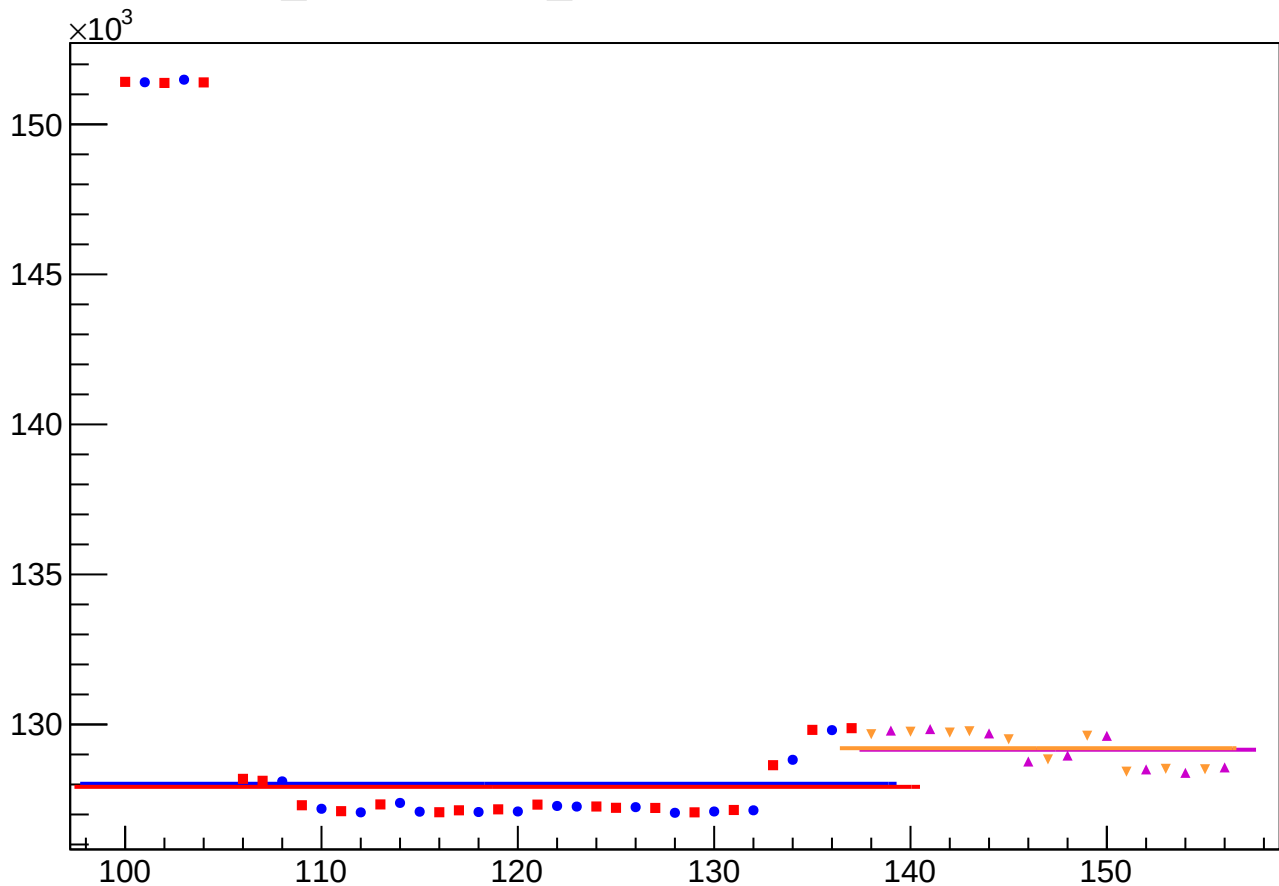
Left In: 0.880 ± 0.000 χ^2/NDF : 54148.1/8

0.846 ± 0.000 χ^2/NDF : 2737095.1/26

0.863 ± 0.000 χ^2/NDF : 5631705.5/55

0.880 ± 0.000 χ^2/NDF : 2879505.4/28

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16

Left Out: 129208.692 $\pm$ 0.063 χ^2 /NDF: 79213676.5/9

Right Out: 127921.299 $\pm$ 0.050 χ^2 /NDF: 3768965324.4/19

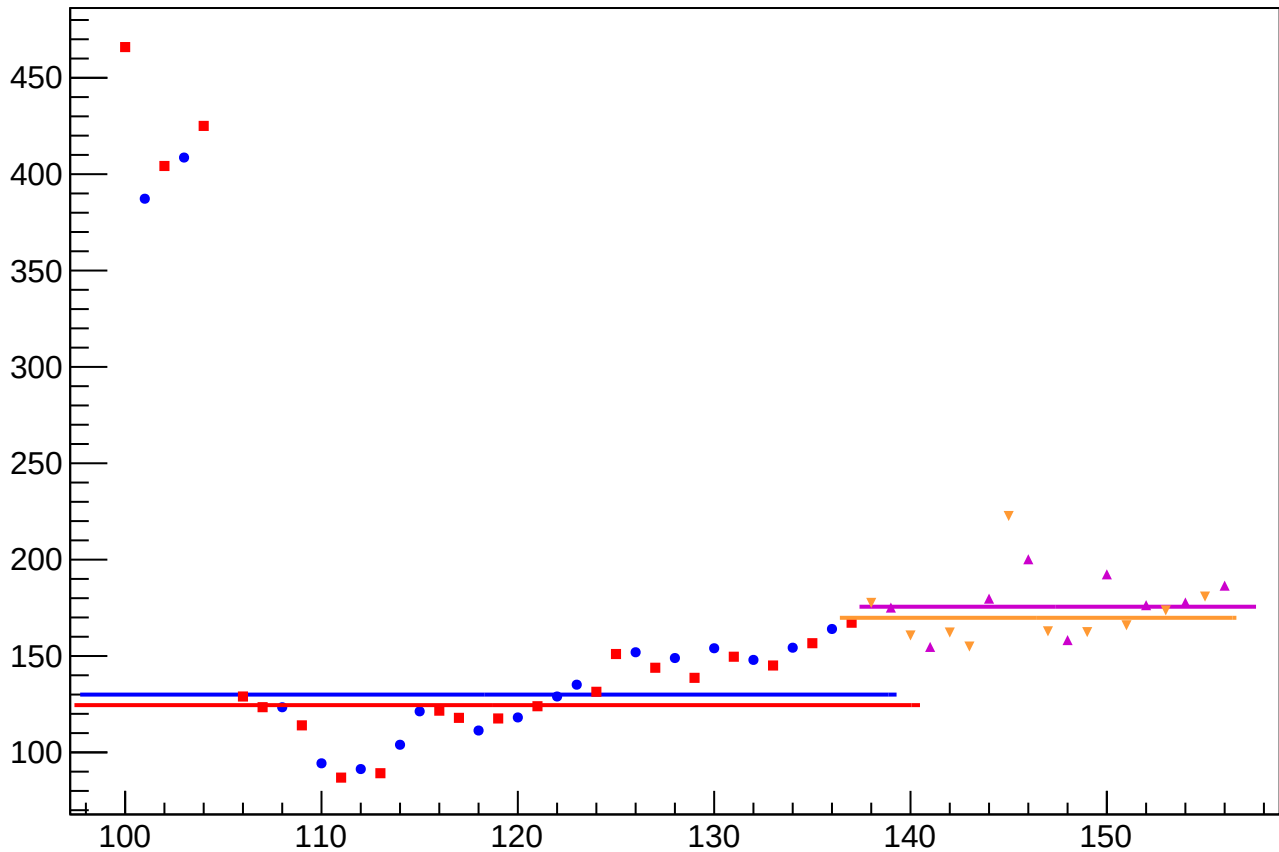
Left In: 129158.136 $\pm$ 0.065 χ^2 /NDF: 77453967.9/8

128528.202 $\pm$ 0.041 χ^2 /NDF: 4596842051.2/26

128451.095 $\pm$ 0.029 χ^2 /NDF: 867509871

128379.542 $\pm$ 0.040 χ^2 /NDF: 4071544848.4/28

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.980 $\pm$ 0.039 χ^2 /NDF: 1485519.5/16

Left Out: 169.827 $\pm$ 0.045 χ^2 /NDF:121379.6/9

Right Out: 124.514 $\pm$ 0.035 χ^2 /NDF: 1531546.7/19

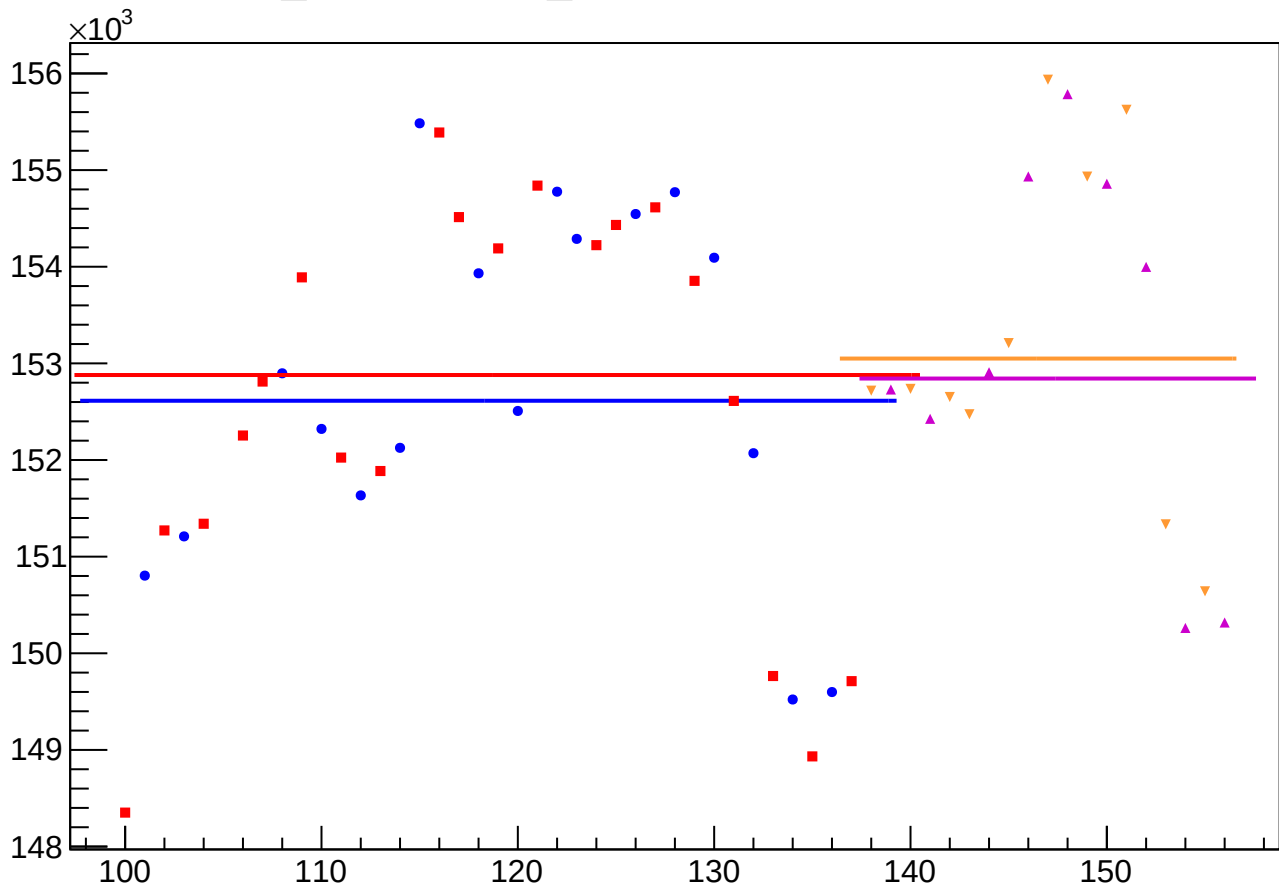
Left In: 175.572 $\pm$ 0.046 χ^2 /NDF:92843.7/8

146.948 $\pm$ 0.029 χ^2 /NDF: 2061526.0/26

145.124 $\pm$ 0.020 χ^2 /NDF: 4460719.5/55

143.431 $\pm$ 0.028 χ^2 /NDF: 2391681.8/28

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152613.122 $\pm$ 0.072 χ^2 /NDF: 623356098.4/16

Left Out: 153049.862 $\pm$ 0.071 χ^2 /NDF: 490003303.5/9

152834.919 $\pm$ 0.051 χ^2 /NDF: 1131907866.7/26

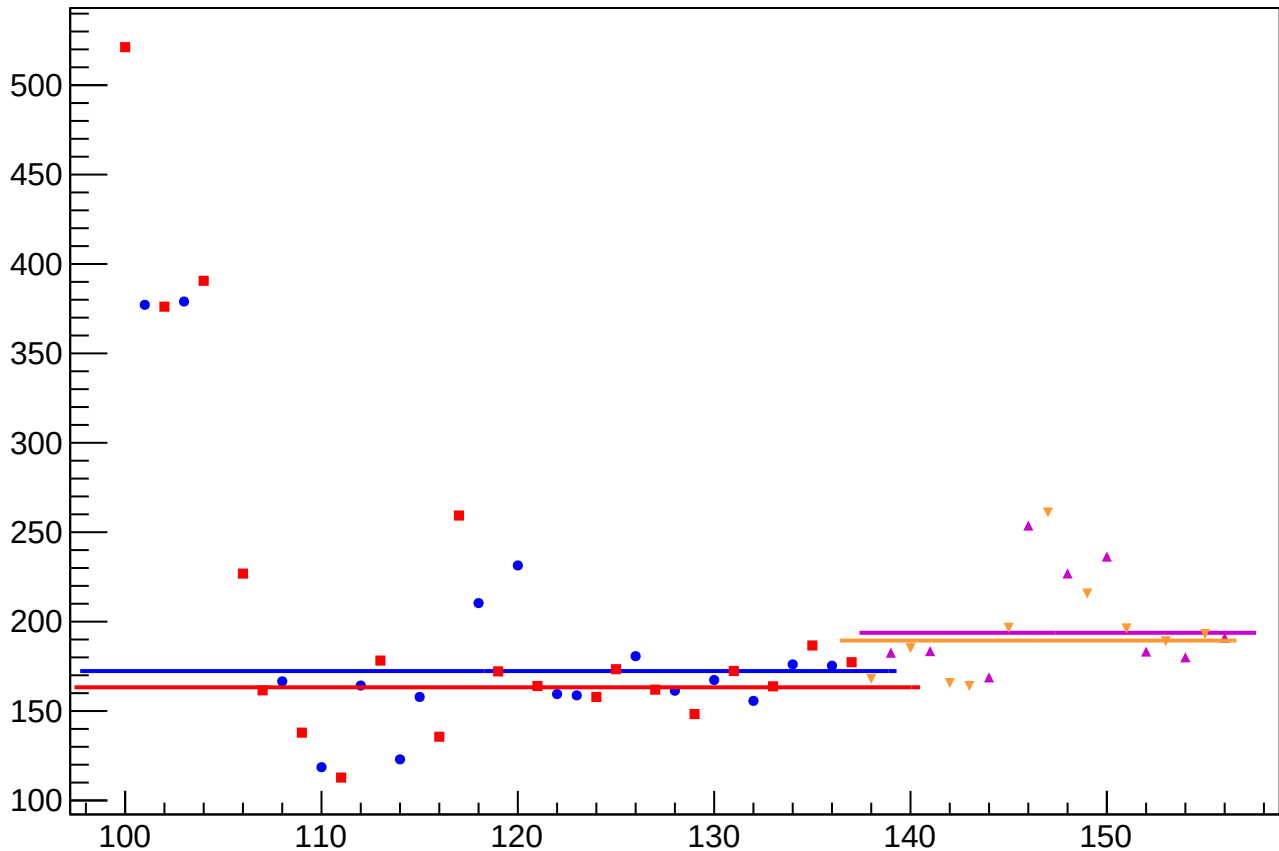
Right Out: 152879.455 $\pm$ 0.066 χ^2 /NDF: 717907168.5/19

152849.432 $\pm$ 0.035 χ^2 /NDF: 243579742

Left In: 152842.961 $\pm$ 0.073 χ^2 /NDF: 585686309.4/8

152862.950 $\pm$ 0.049 χ^2 /NDF: 1303731282.3/28

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.351+/-0.051 χ^2/NDF : 921911.1/16

Left Out: 189.424+/-0.050 χ^2/NDF : 217365.5/9

Right Out: 163.273+/-0.047 χ^2/NDF : 1043440.1/19

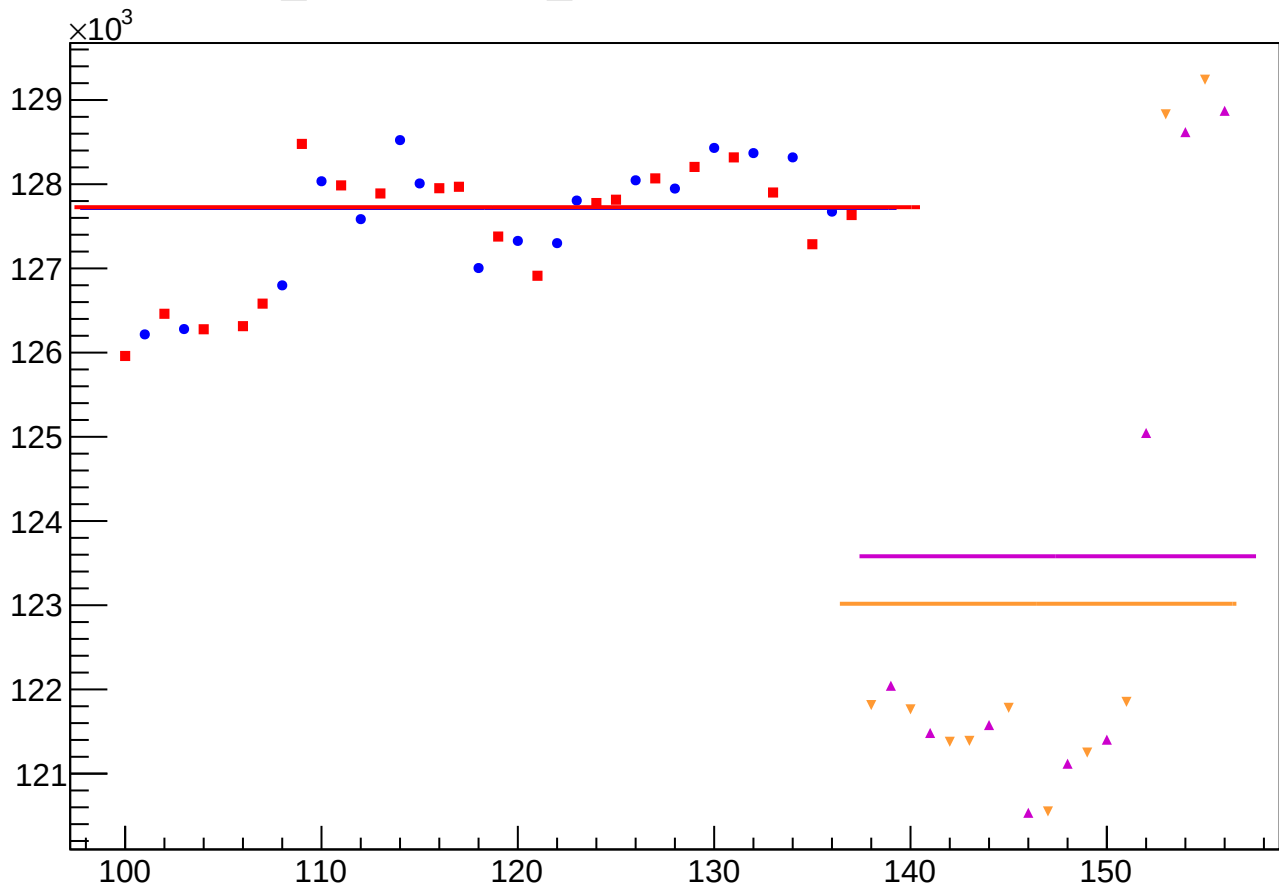
Left In: 193.758+/-0.051 χ^2/NDF : 239673.1/8

181.022+/-0.036 χ^2/NDF : 1195968.3/26

178.971+/-0.025 χ^2/NDF : 2677721.7/55

177.060+/-0.035 χ^2/NDF : 1475431.6/28

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127717.888 $\pm$ 0.058 χ^2 /NDF: 95177660.2/16

Left Out: 123017.382 $\pm$ 0.062 χ^2 /NDF: 2340980886.1/9

Right Out: 127726.969 $\pm$ 0.054 χ^2 /NDF: 112752557.5/19

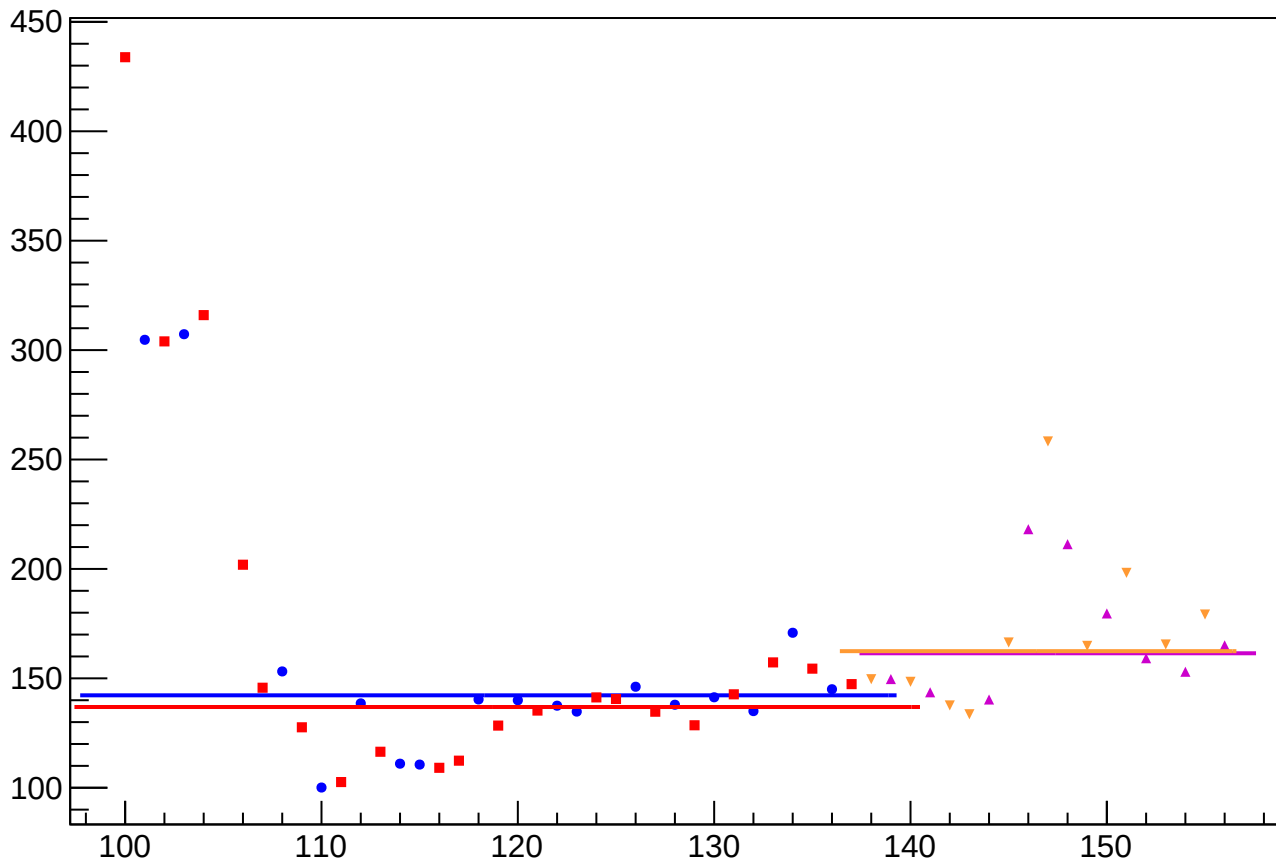
Left In: 123581.442 $\pm$ 0.061 χ^2 /NDF: 2527463212.6/8

125506.213 $\pm$ 0.042 χ^2 /NDF: 5496423910.0/20

125710.778 $\pm$ 0.029 χ^2 /NDF: 107578300

125897.793 $\pm$ 0.041 χ^2 /NDF: 5216871916.3/28

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 142.240+/-0.041 χ^2/NDF : 836415.1/16

Left Out: 162.421+/-0.044 χ^2/NDF : 387619.6/9

Right Out: 136.904+/-0.038 χ^2/NDF : 961858.5/19

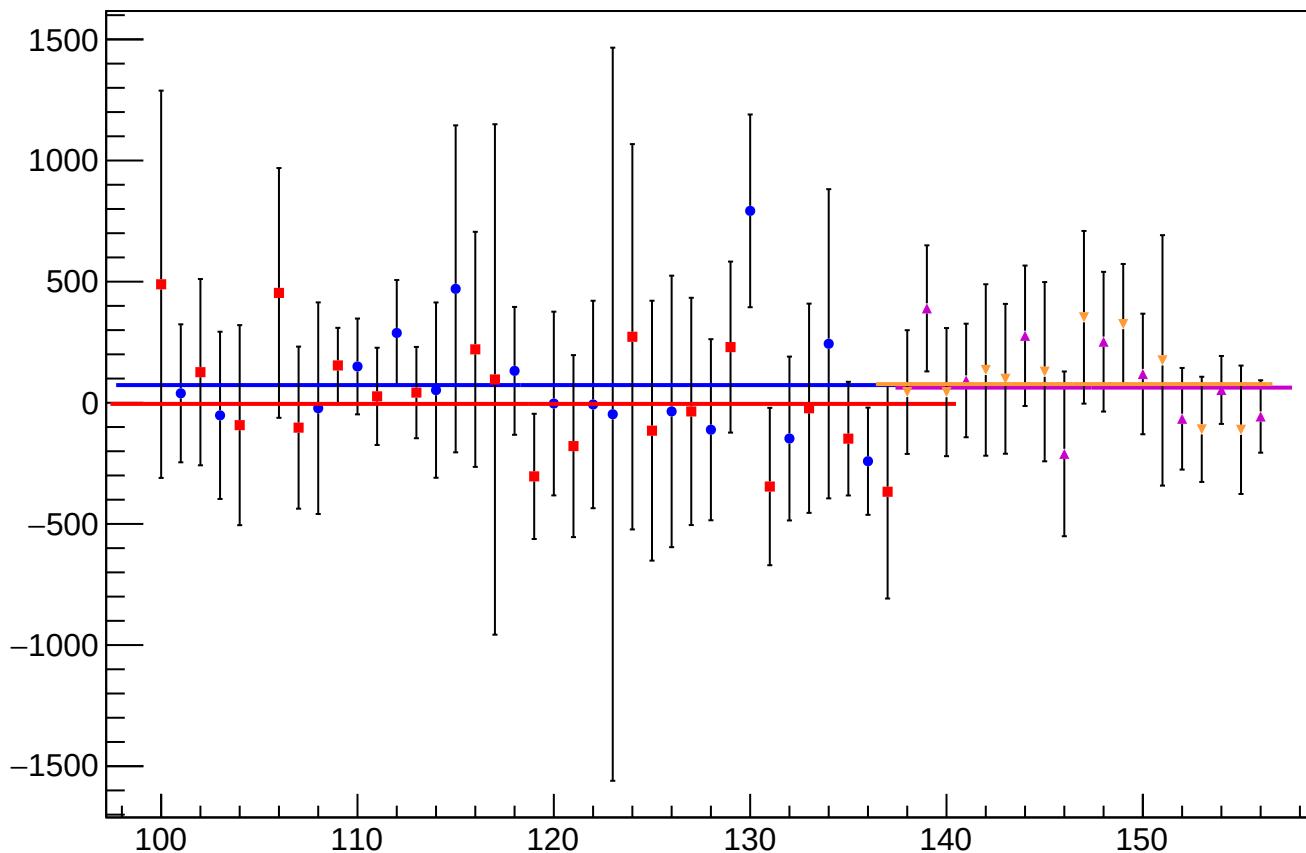
Left In: 161.455+/-0.043 χ^2/NDF : 286674.0/8

151.736+/-0.030 χ^2/NDF : 1336856.6/26

149.647+/-0.021 χ^2/NDF : 2775428.3/55

147.737+/-0.029 χ^2/NDF : 1429281.1/28

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 73.109+/-79.604 χ^2/NDF : 7.9/16

Left Out: 77.213+/-91.781 χ^2/NDF : 3.0/9

Right Out: -4.574+/-69.944 χ^2/NDF : 7.1/19

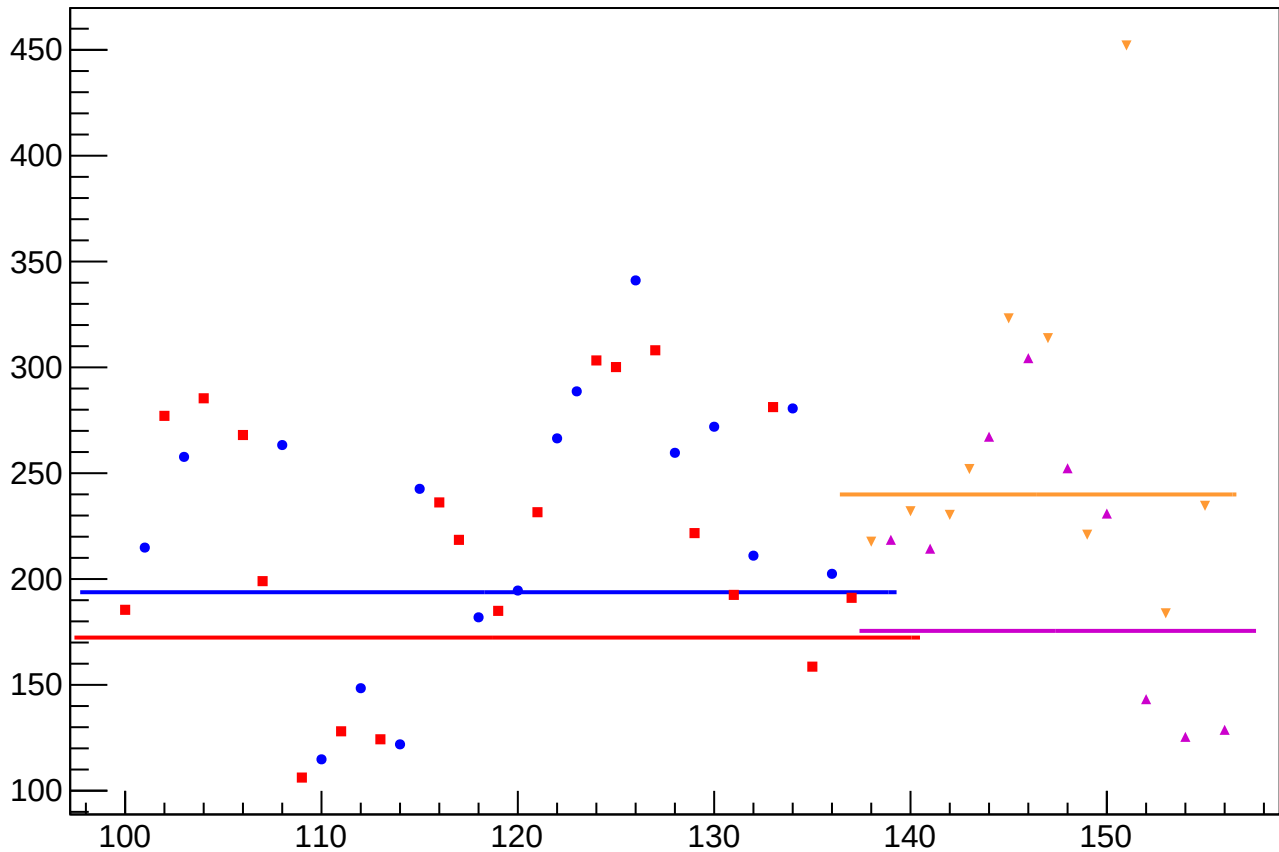
Left In: 62.637+/-70.708 χ^2/NDF : 4.3/8

74.871+/-60.136 χ^2/NDF : 10.8/26

47.429+/-38.322 χ^2/NDF : 23.0/55

28.666+/-49.726 χ^2/NDF : 11.8/28

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.773 $\pm$ 0.056 χ^2 /NDF: 1017081.7/16

Left Out: 239.959 $\pm$ 0.065 χ^2 /NDF: 691886.2/9

Right Out: 172.346 $\pm$ 0.049 χ^2 /NDF: 1583893.0/19

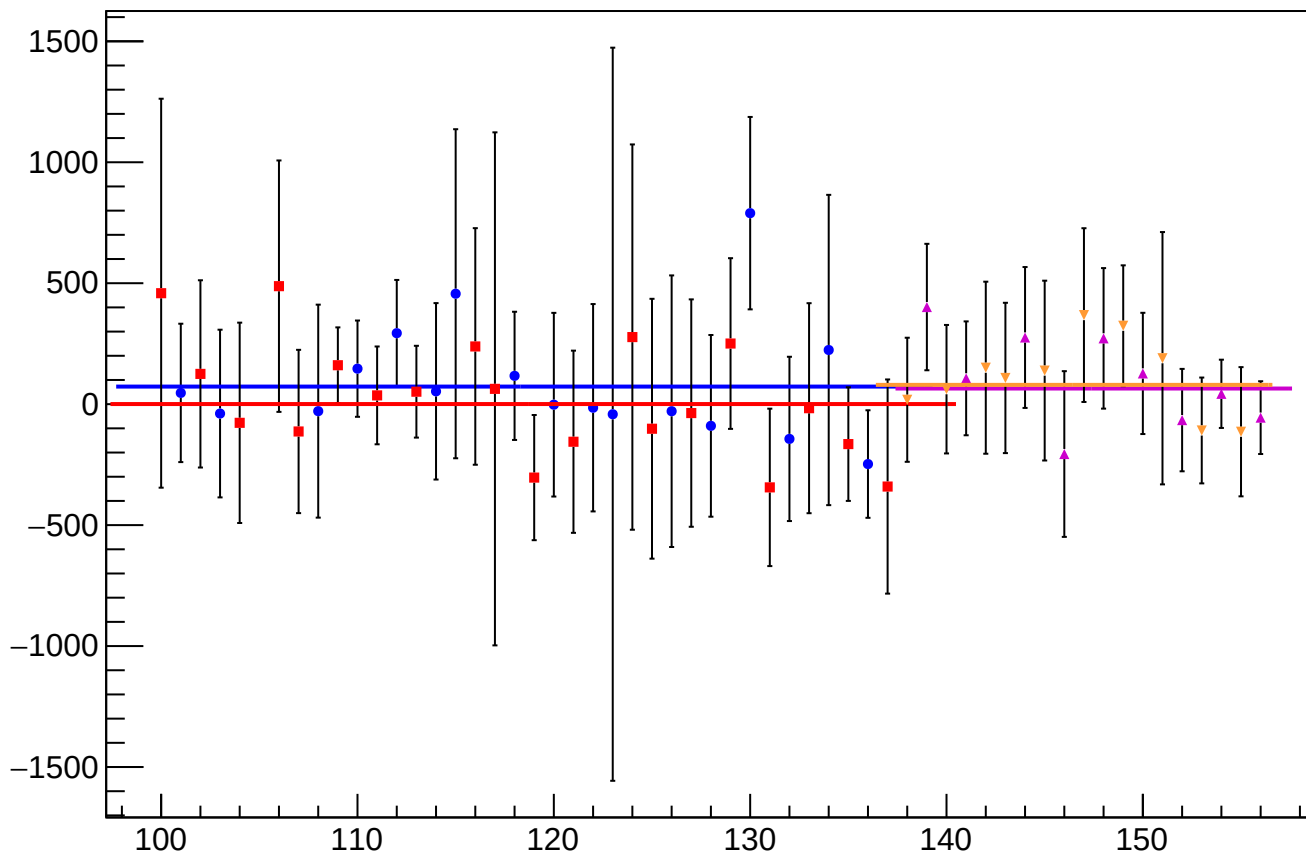
Left In: 175.507 $\pm$ 0.050 χ^2 /NDF: 1335923.3/8

213.600 $\pm$ 0.043 χ^2 /NDF: 1998000.4/26

190.027 $\pm$ 0.027 χ^2 /NDF: 5437280.5/55

173.909 $\pm$ 0.035 χ^2 /NDF: 2921836.0/28

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 72.675 $\pm$ 79.992 χ^2 /NDF: 7.8/16

Left Out: 79.749 $\pm$ 92.344 χ^2 /NDF: 3.1/9

Right Out: 0.459 $\pm$ 70.312 χ^2 /NDF: 7.3/19

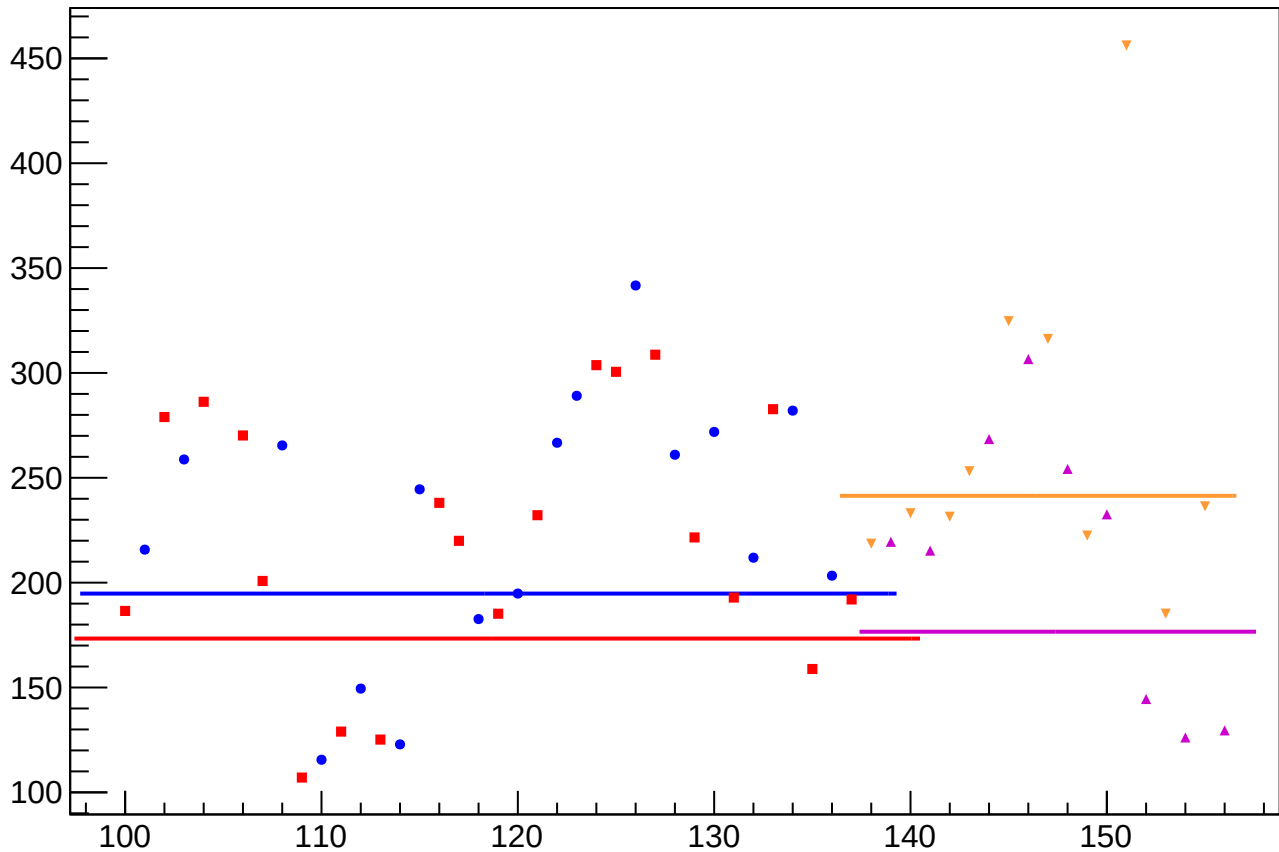
Left In: 64.615 $\pm$ 71.151 χ^2 /NDF: 4.5/8

75.708 $\pm$ 60.462 χ^2 /NDF: 10.8/26

49.849 $\pm$ 38.537 χ^2 /NDF: 23.3/55

32.156 $\pm$ 50.012 χ^2 /NDF: 12.2/28

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

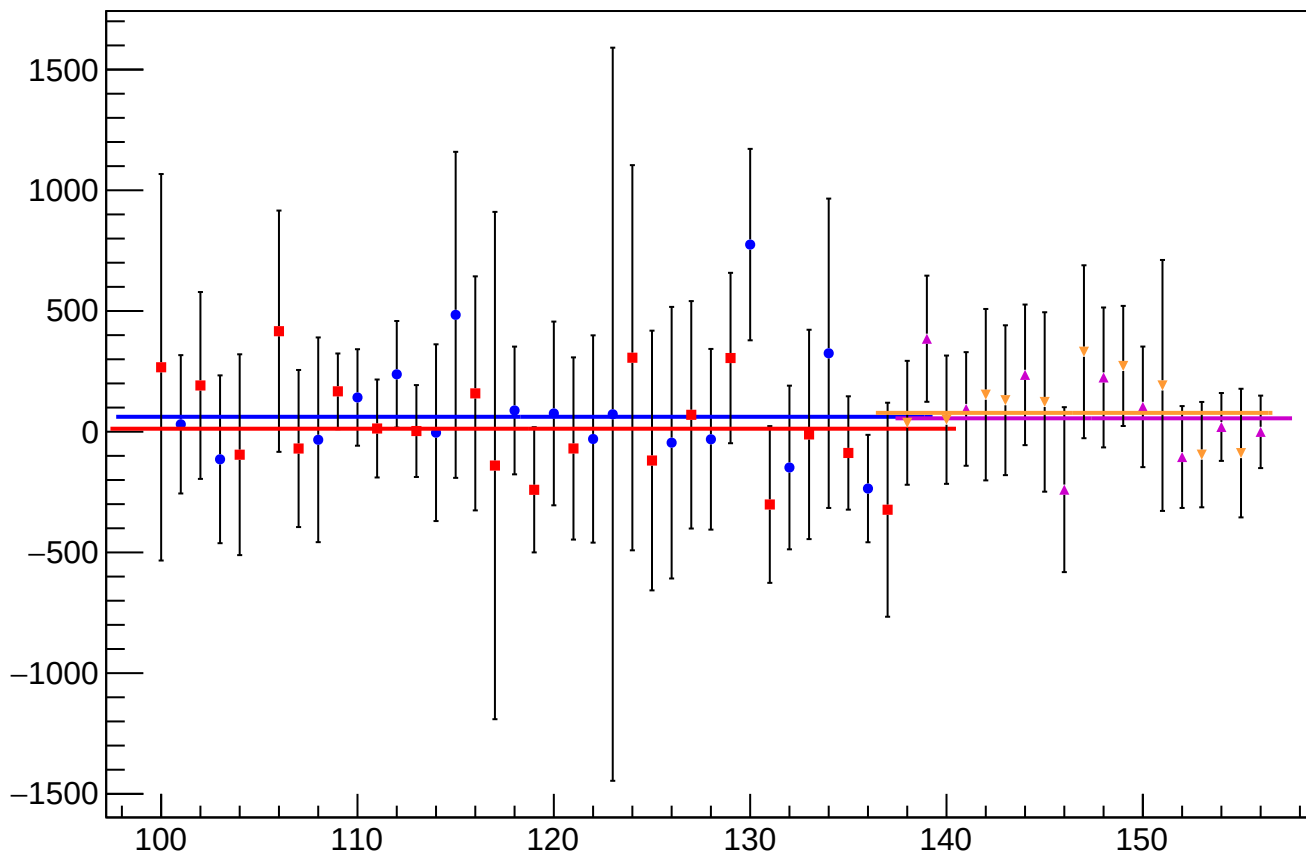
Left In: 176.605 $\pm$ 0.050 χ^2 /NDF: 1334519.0/8

214.774 $\pm$ 0.043 χ^2 /NDF: 1992511.7/26

191.129 $\pm$ 0.027 χ^2 /NDF: 5415741.0/55

174.952 $\pm$ 0.035 χ^2 /NDF: 2908089.8/28

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 61.814 ± 79.986 χ^2/NDF : 7.3/16

Left Out: 78.052 ± 92.187 χ^2/NDF : 2.3/9

Right Out: 12.417 ± 70.233 χ^2/NDF : 5.8/19

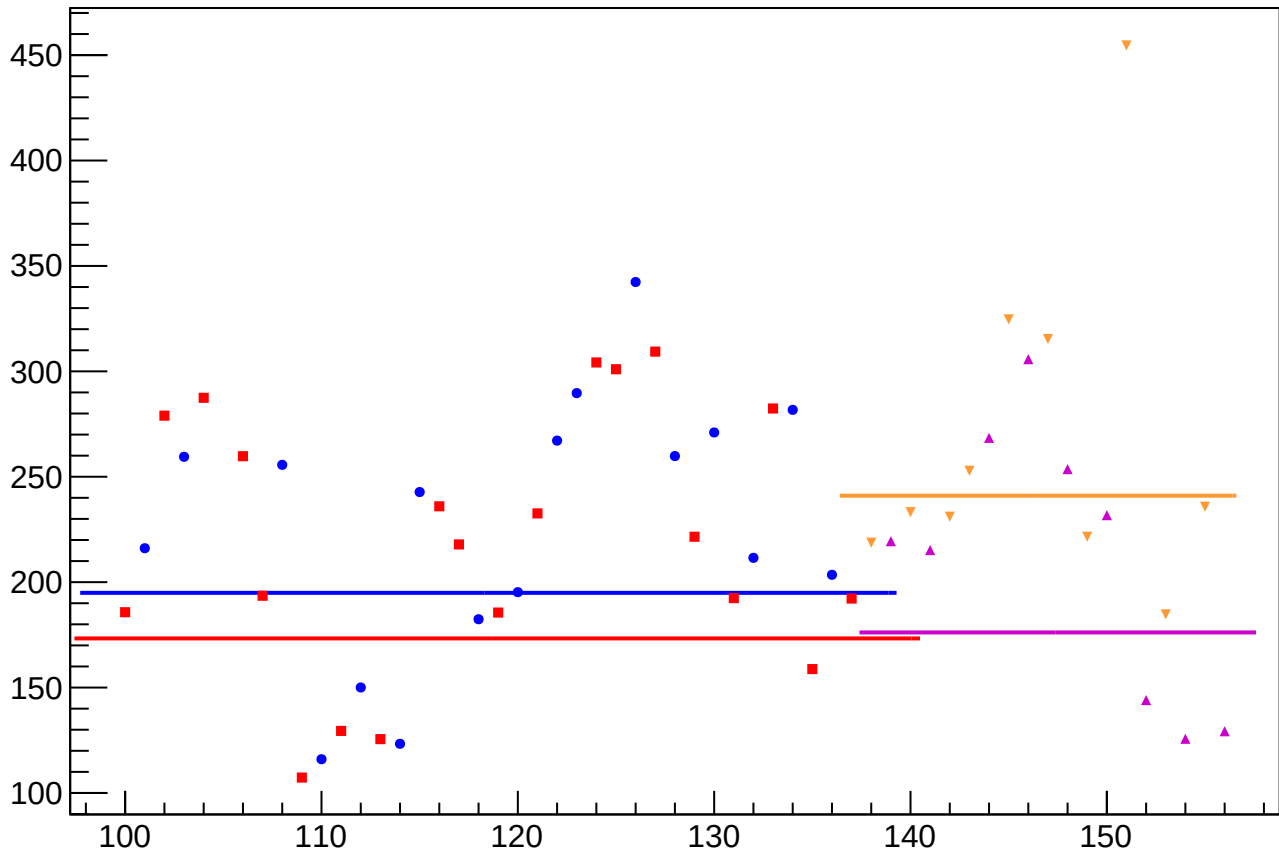
Left In: 55.488 ± 70.980 χ^2/NDF : 3.9/8

68.788 ± 60.415 χ^2/NDF : 9.6/26

47.953 ± 38.485 χ^2/NDF : 19.7/55

33.725 ± 49.924 χ^2/NDF : 9.9/28

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.939 $\pm$ 0.057 χ^2 /NDF: 986629.1/16

Left Out: 241.011 $\pm$ 0.065 χ^2 /NDF: 692685.4/9

Right Out: 173.309 $\pm$ 0.050 χ^2 /NDF: 1548342.3/19

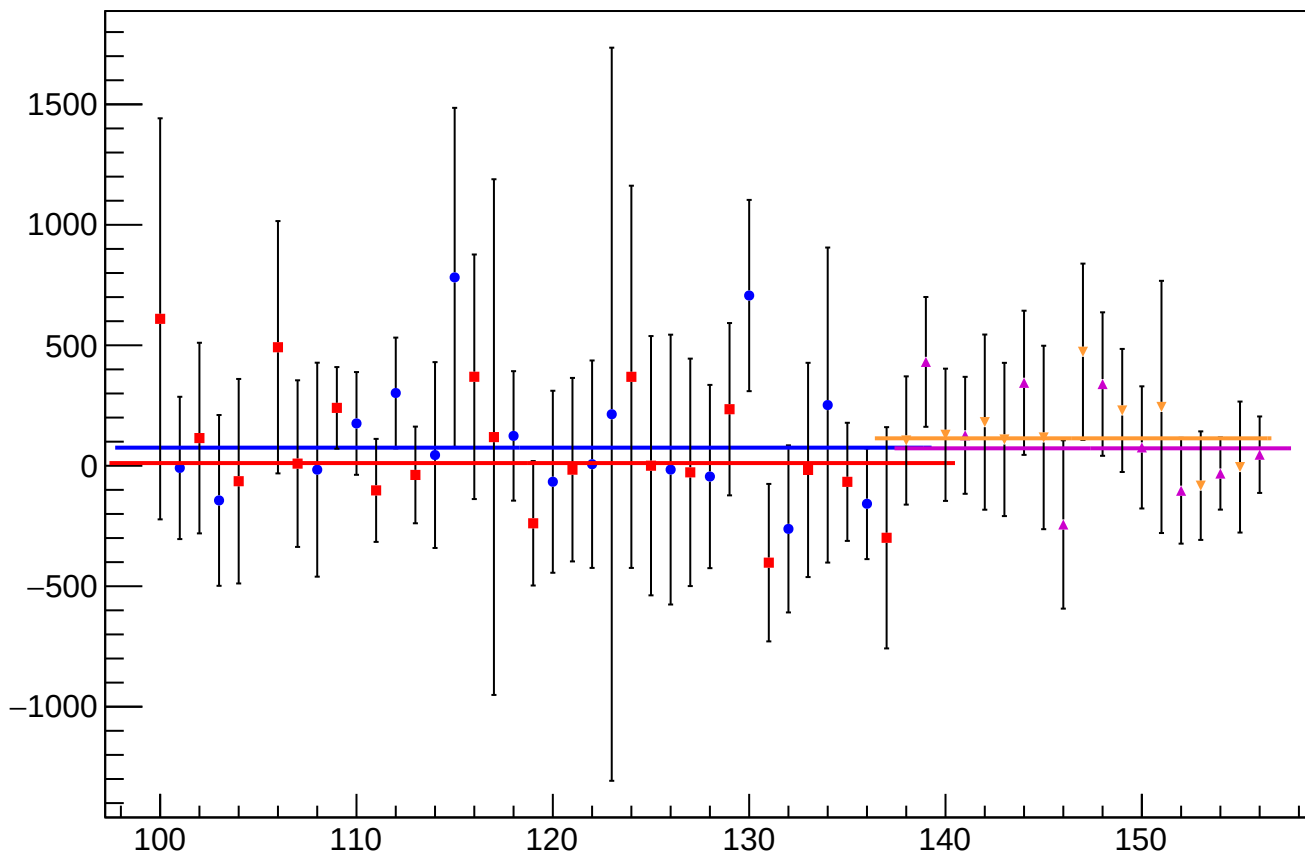
Left In: 176.145 $\pm$ 0.050 χ^2 /NDF: 1340001.1/8

214.726 $\pm$ 0.043 χ^2 /NDF: 1964306.5/26

190.949 $\pm$ 0.027 χ^2 /NDF: 5375609.6/55

174.712 $\pm$ 0.035 χ^2 /NDF: 2889956.1/28

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 75.207 $\pm$ 82.504 χ^2 /NDF: 7.6/16

Left Out: 113.922 $\pm$ 94.727 χ^2 /NDF: 2.2/9

Right Out: 11.180 $\pm$ 73.166 χ^2 /NDF: 7.8/19

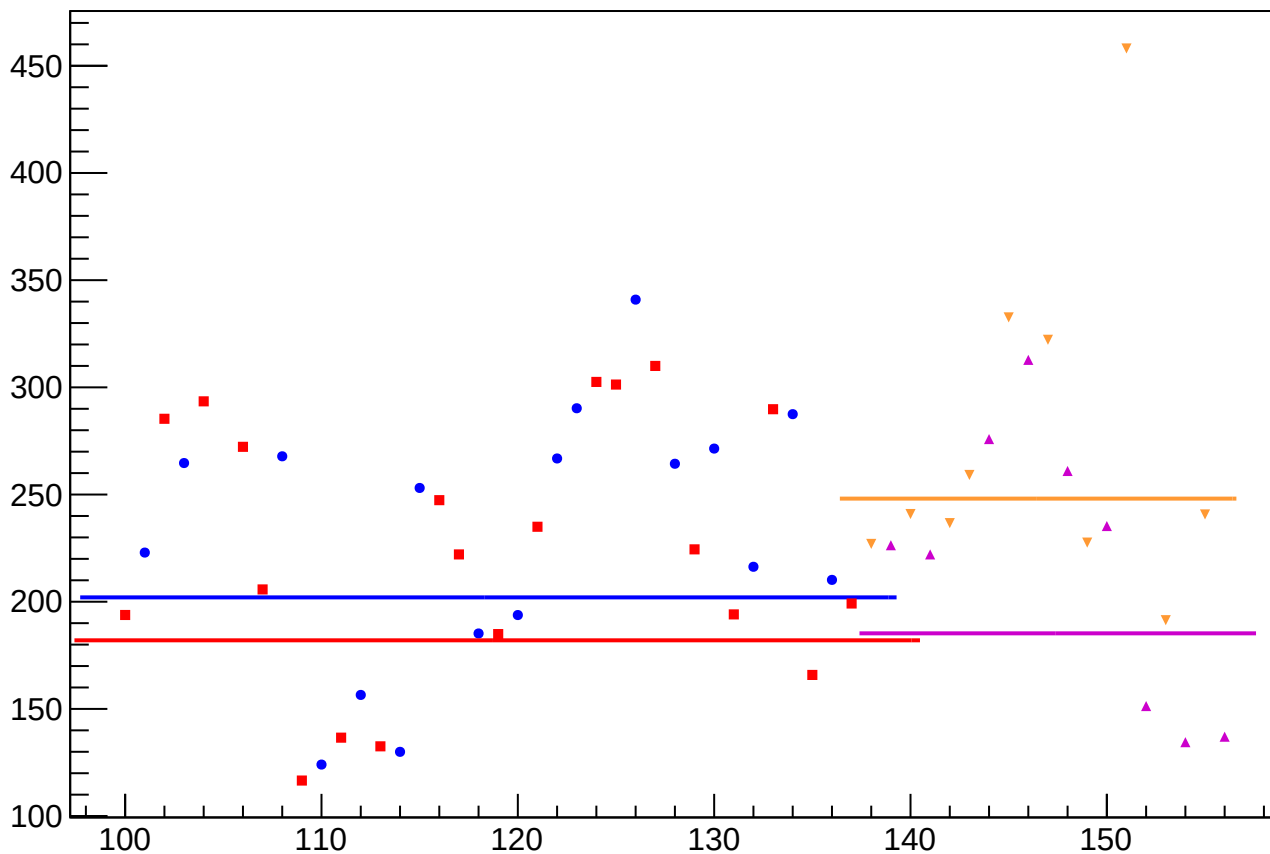
Left In: 72.416 $\pm$ 74.123 χ^2 /NDF: 5.4/8

91.907 $\pm$ 62.215 χ^2 /NDF: 9.9/26

62.206 $\pm$ 39.931 χ^2 /NDF: 24.0/55

41.400 $\pm$ 52.071 χ^2 /NDF: 13.6/28

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.029 $\pm$ 0.058 χ^2 /NDF: 881608.7/16

Left Out: 248.104 $\pm$ 0.067 χ^2 /NDF: 662180.0/9

Right Out: 182.000 $\pm$ 0.052 χ^2 /NDF: 1380354.3/19

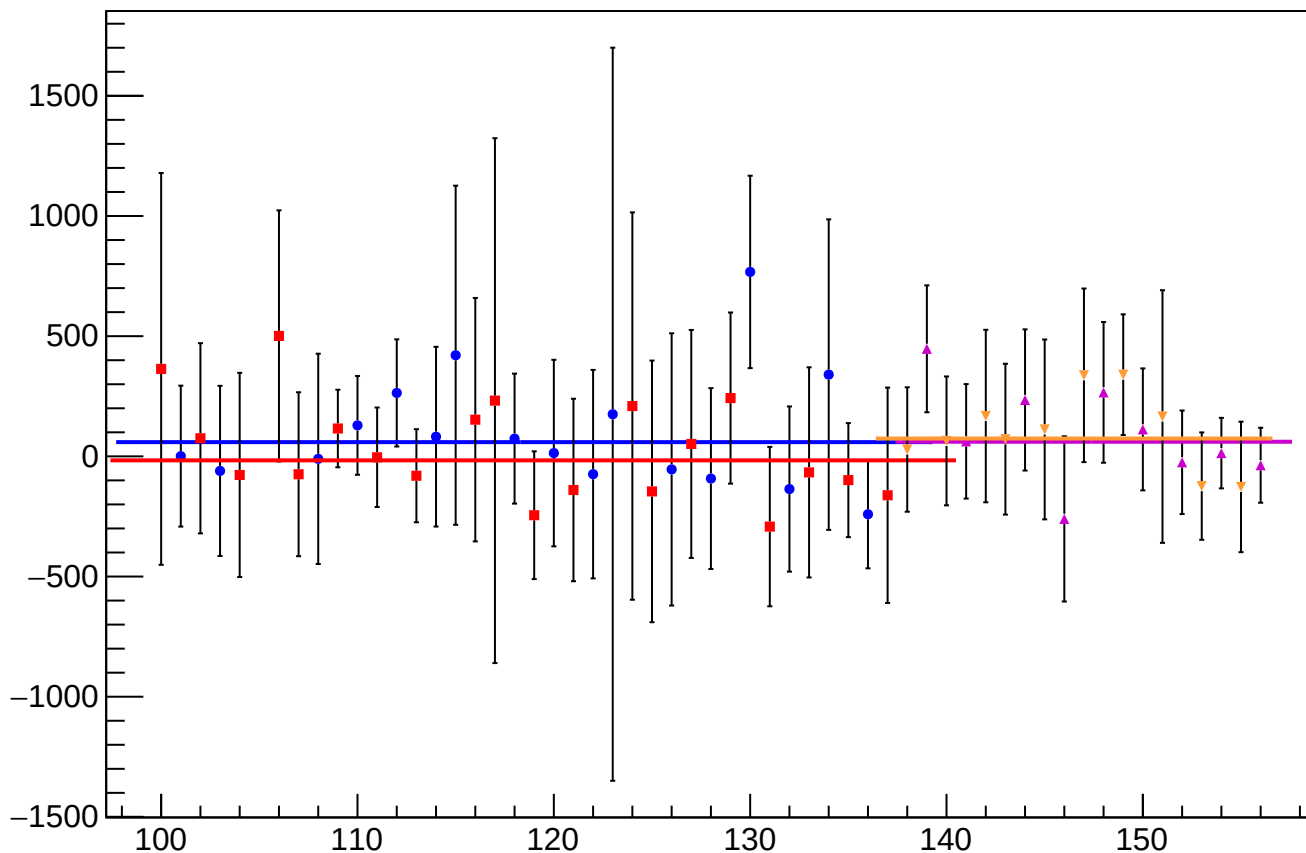
Left In: 185.255 $\pm$ 0.052 χ^2 /NDF: 1212500.0/8

221.904 $\pm$ 0.044 χ^2 /NDF: 1812840.7/26

199.382 $\pm$ 0.028 χ^2 /NDF: 4853312.1/55

183.606 $\pm$ 0.037 χ^2 /NDF: 2594808.6/28

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 59.175+/-81.417 χ^2/NDF : 7.1/16

Left Out: 74.309+/-93.380 χ^2/NDF : 3.1/9

Right Out: -16.650+/-71.745 χ^2/NDF : 4.7/19

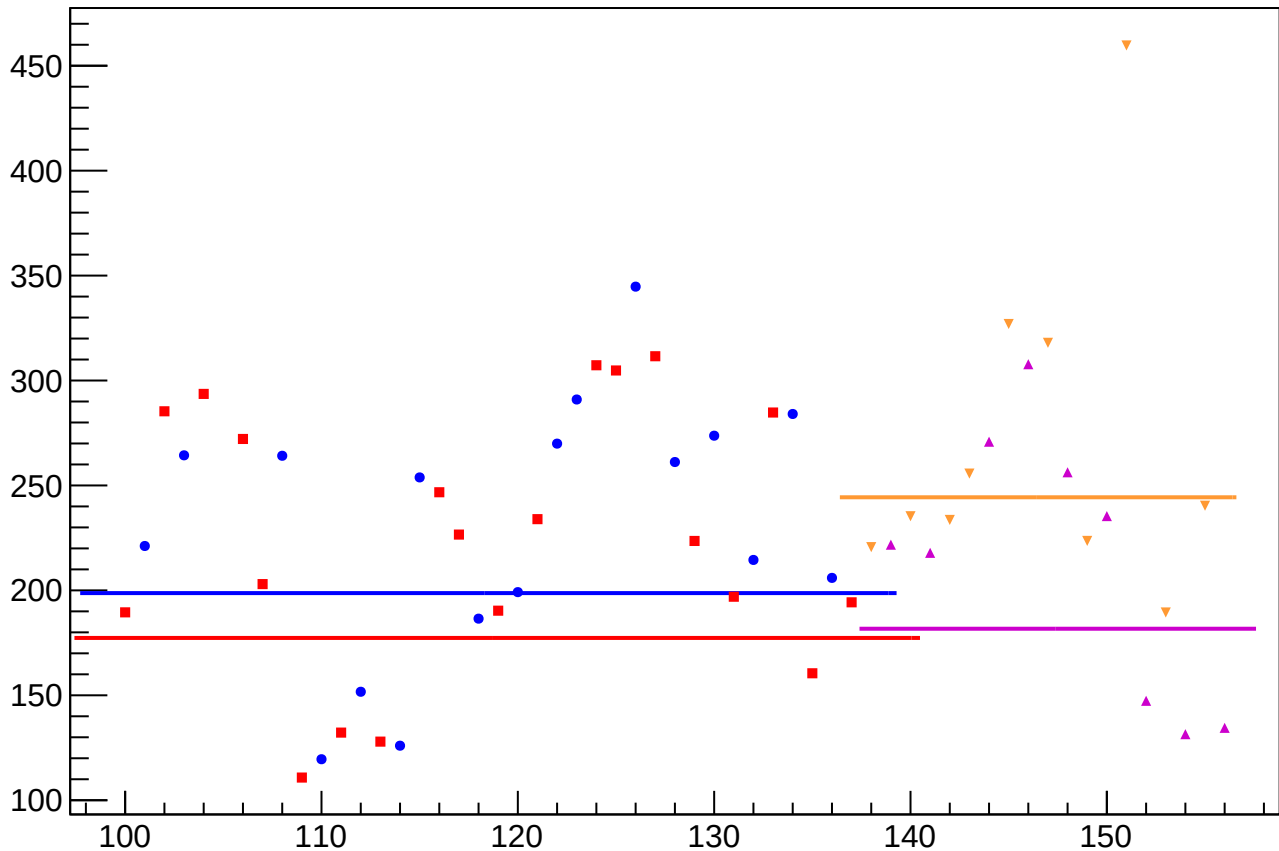
Left In: 60.833+/-72.862 χ^2/NDF : 4.6/8

65.711+/-61.367 χ^2/NDF : 10.3/26

39.608+/-39.278 χ^2/NDF : 20.4/55

21.493+/-51.122 χ^2/NDF : 9.8/28

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

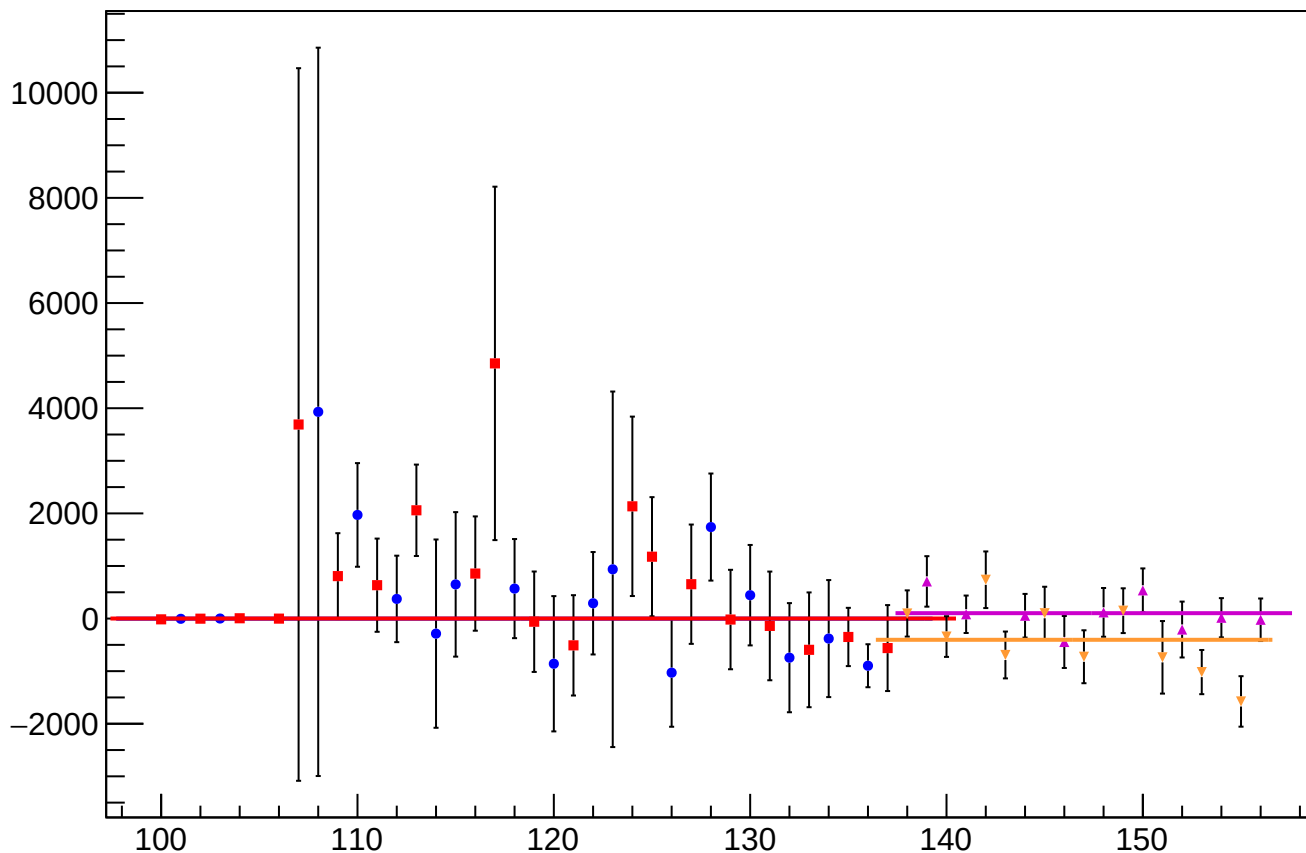
Left In: 181.723 $\pm$ 0.052 χ^2 /NDF: 1233205.4/8

218.421 $\pm$ 0.043 χ^2 /NDF: 1909668.2/26

195.443 $\pm$ 0.028 χ^2 /NDF: 5150523.8/55

179.497 $\pm$ 0.036 χ^2 /NDF: 2765859.4/28

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.529 $\pm$ 2.251 χ^2/NDF : 16.6/16

Left Out: -403.654 $\pm$ 147.643 χ^2/NDF : 17.7/9

Right Out: 0.733 $\pm$ 2.111 χ^2/NDF : 20.5/19

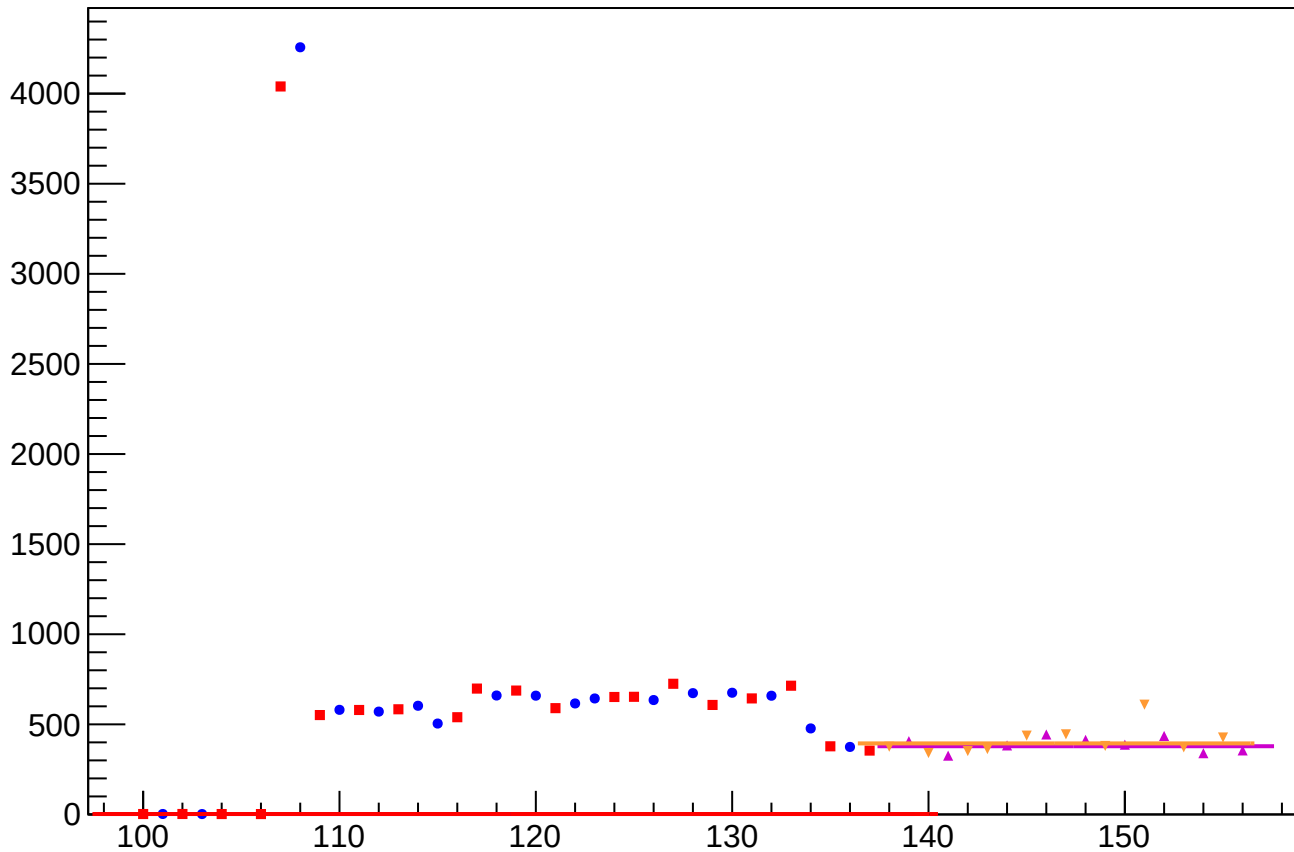
Left In: 102.664 $\pm$ 142.318 χ^2/NDF : 4.4/8

-1.622 $\pm$ 2.251 χ^2/NDF : 41.7/26

-0.357 $\pm$ 1.540 χ^2/NDF : 67.7/55

0.756 $\pm$ 2.111 χ^2/NDF : 25.4/28

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 394.318+/-0.104 χ^2/NDF : 310184.5/9

Right Out: 2.437+/-0.001 χ^2/NDF : 11225999.1/19

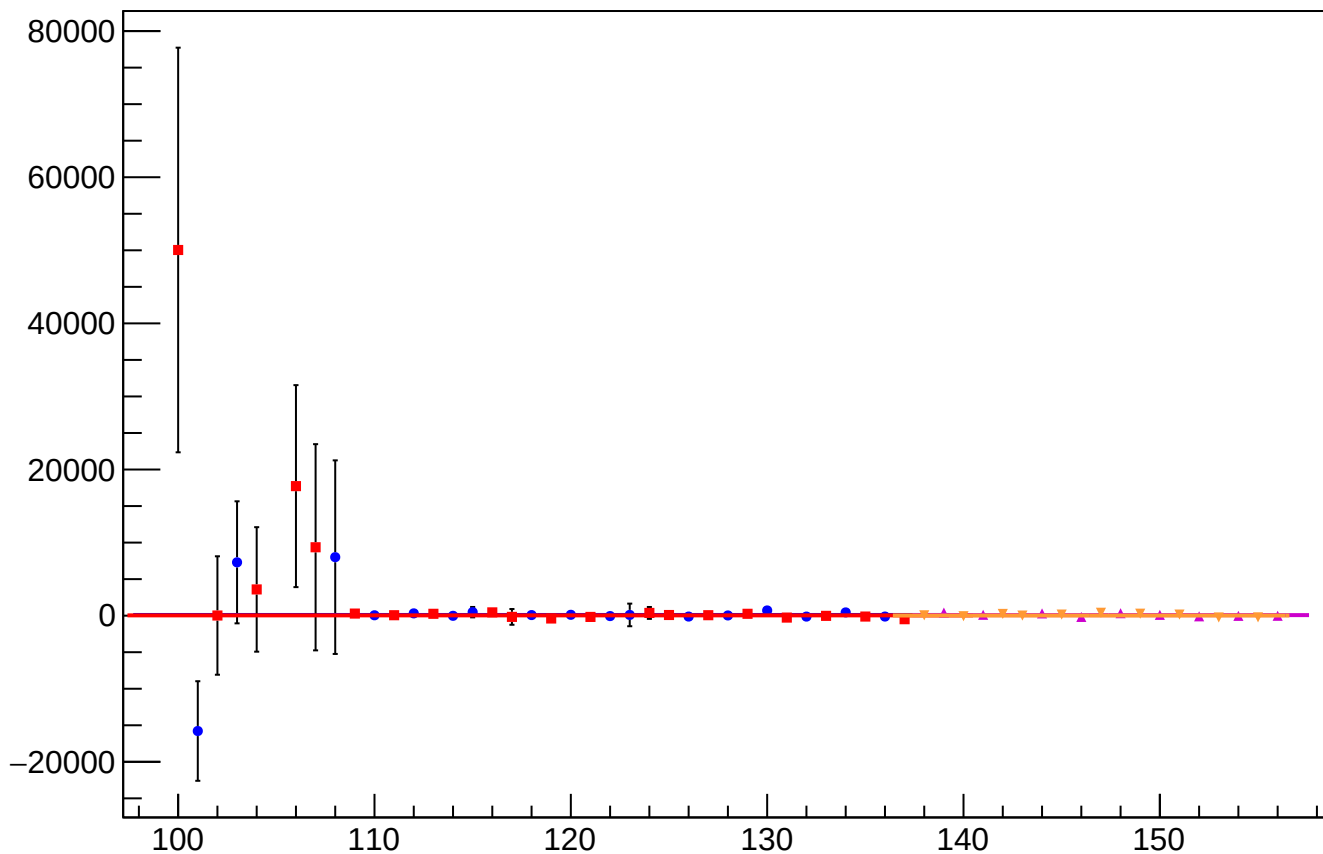
Left In: 378.591+/-0.101 χ^2/NDF : 148829.1/8

2.547+/-0.002 χ^2/NDF : 25101938.8/26

2.533+/-0.001 χ^2/NDF : 50445267.8/55

2.520+/-0.001 χ^2/NDF : 25343169.7/28

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: 22.262+/-99.214 χ^2/NDF : 4.3/9

Right Out: 41.335+/-84.288 χ^2/NDF : 14.0/19

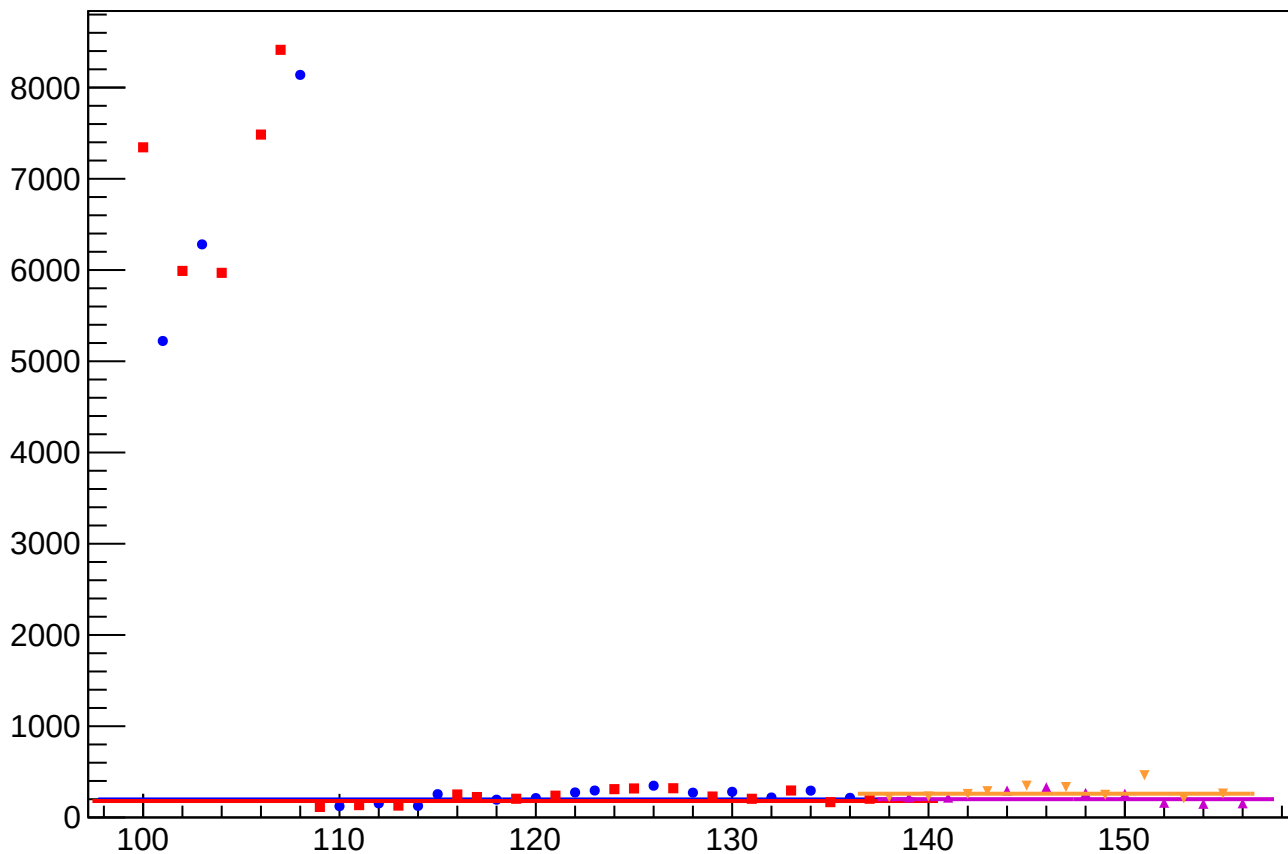
Left In: 76.121+/-79.396 χ^2/NDF : 4.6/8

61.676+/-67.345 χ^2/NDF : 16.6/26

60.577+/-43.858 χ^2/NDF : 35.4/55

59.767+/-57.793 χ^2/NDF : 18.8/28

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.422+/-0.065 χ^2/NDF : 3695848.3/16

Left Out: 260.191+/-0.070 χ^2/NDF : 642796.7/9

Right Out: 180.250+/-0.060 χ^2/NDF : 4324682.8/19

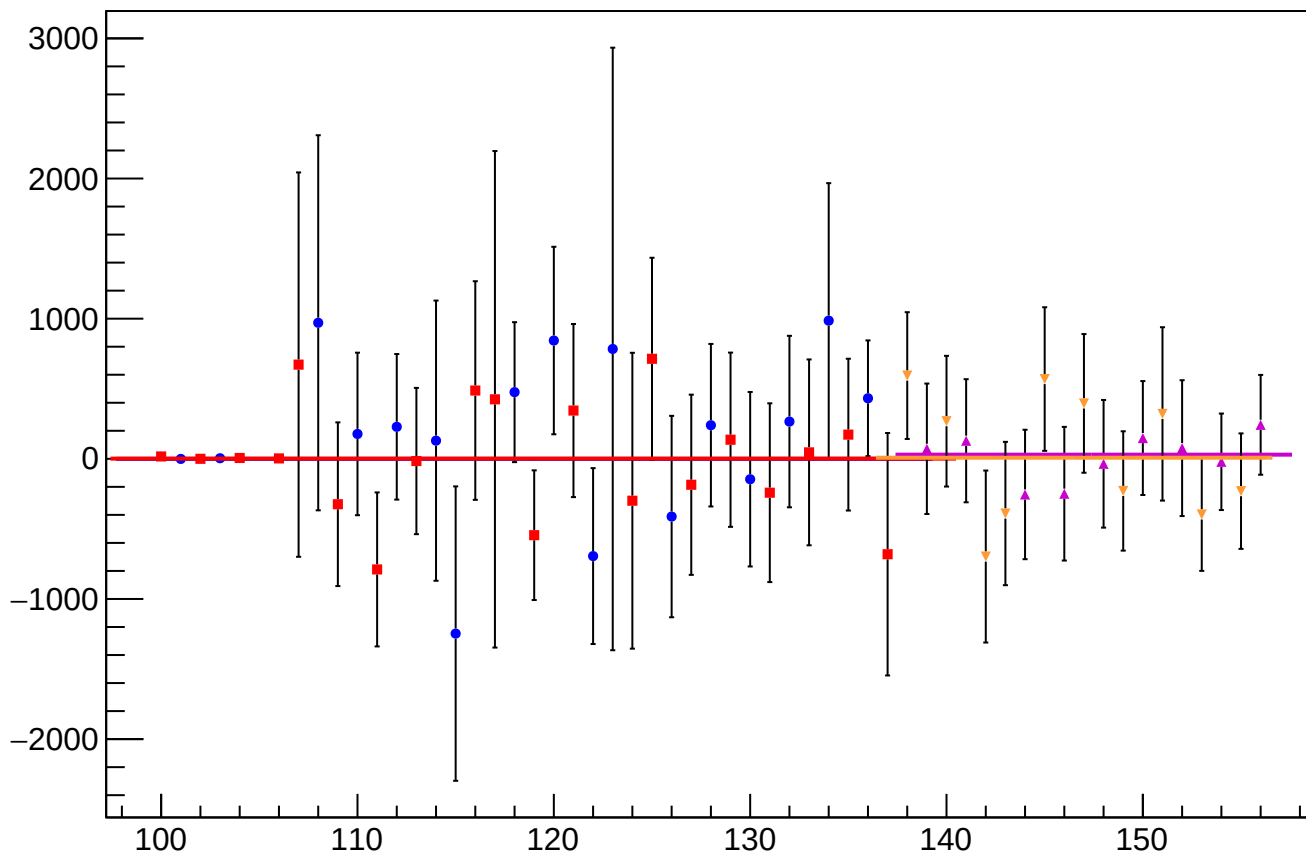
Left In: 200.338+/-0.056 χ^2/NDF : 1007139.9/8

226.342+/-0.048 χ^2/NDF : 4770325.1/26

205.928+/-0.031 χ^2/NDF : 10481450.4/55

190.894+/-0.041 χ^2/NDF : 5392011.4/28

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

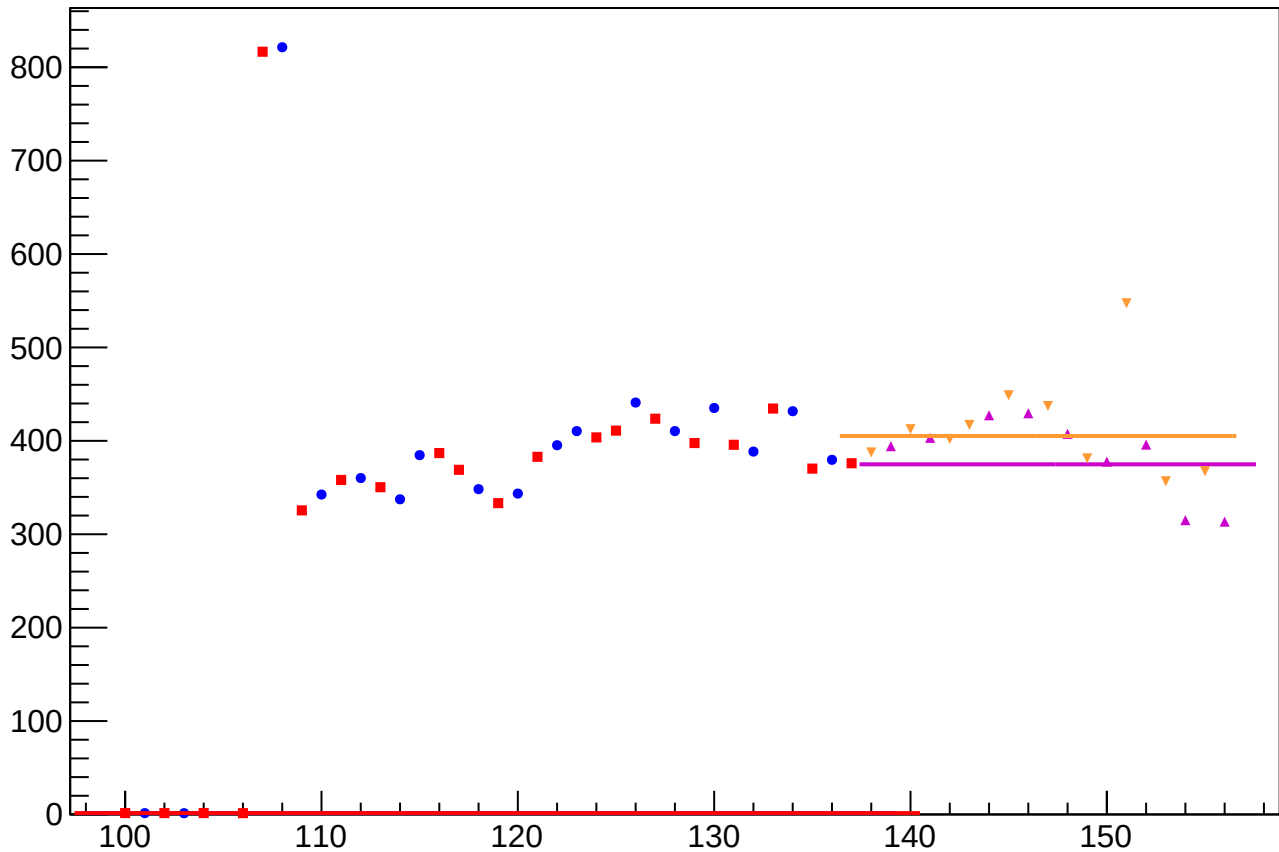
Left In: 29.691 ± 140.946 χ^2/NDF : 1.3/8

-0.138 ± 1.736 χ^2/NDF : 17.4/26

0.645 ± 1.186 χ^2/NDF : 28.7/55

1.328 ± 1.622 χ^2/NDF : 10.9/28

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.452 $\pm$ 0.001 χ^2/NDF : 10815892.9/16

Left Out: 405.183 $\pm$ 0.107 χ^2/NDF : 185122.6/9

Right Out: 1.451 $\pm$ 0.001 χ^2/NDF : 10959647.1/19

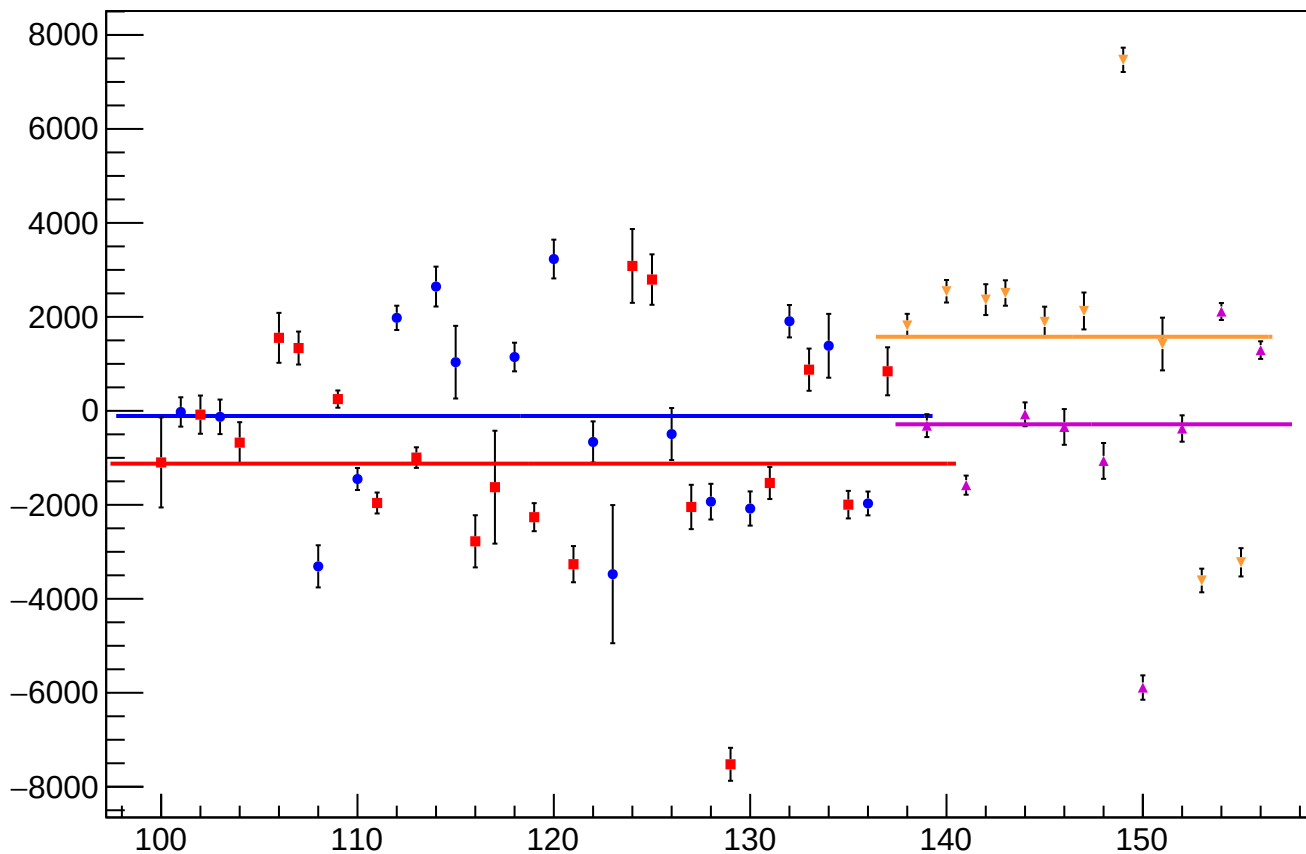
Left In: 374.873 $\pm$ 0.100 χ^2/NDF : 197815.1/8

1.506 $\pm$ 0.001 χ^2/NDF : 25359896.7/26

1.503 $\pm$ 0.001 χ^2/NDF : 50554165.8/55

1.501 $\pm$ 0.001 χ^2/NDF : 25194260.2/28

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -109.225+/-87.961 χ^2/NDF : 428.3/16

Left Out: 1577.034+/-92.210 χ^2/NDF : 1236.2/9

Right Out: -1123.337+/-78.230 χ^2/NDF : 670.2/19

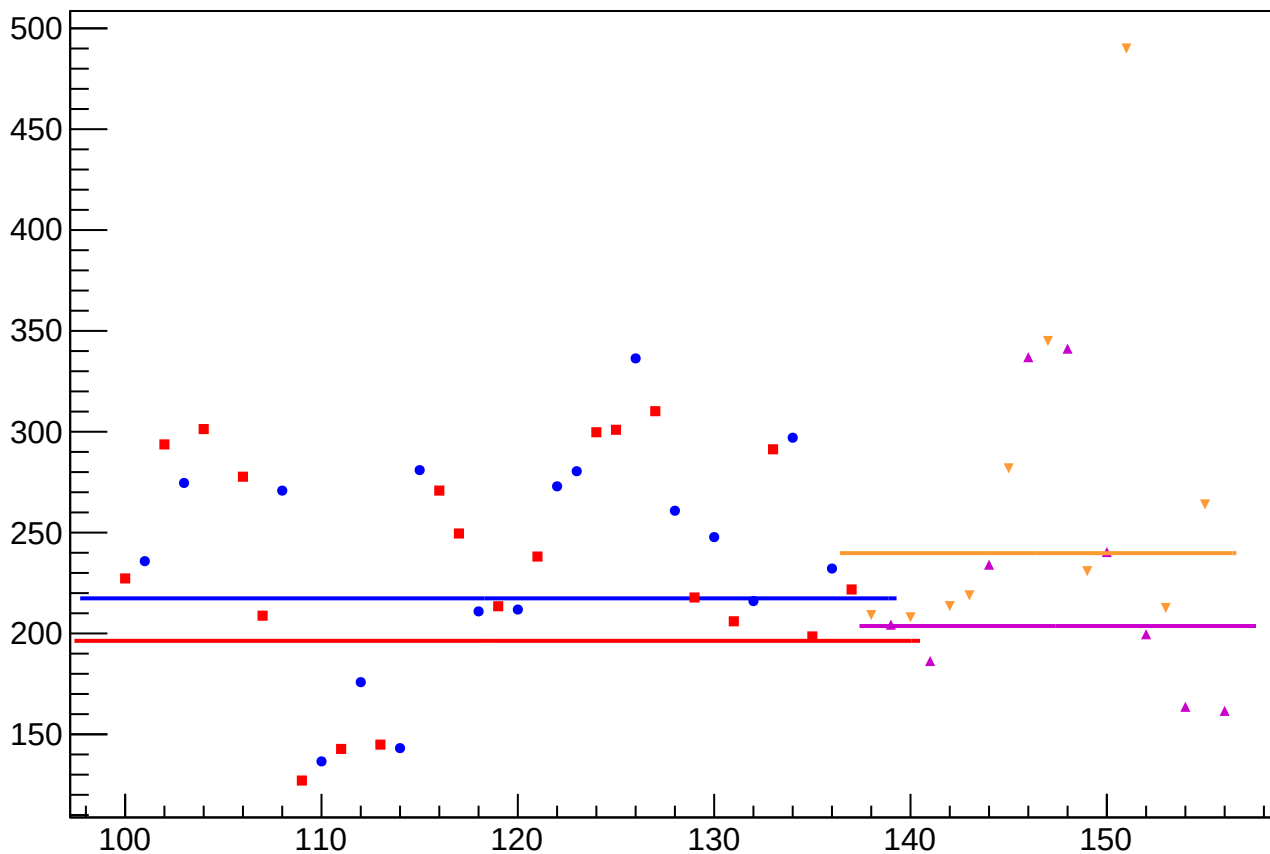
Left In: -286.004+/-79.838 χ^2/NDF : 759.2/8

694.167+/-63.647 χ^2/NDF : 1839.7/26

-100.620+/-41.991 χ^2/NDF : 3601.4/55

-713.190+/-55.877 χ^2/NDF : 1485.6/28

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.403 ± 0.062 $\chi^2/\text{NDF}: 652632.9/16$

Left Out: 239.814 ± 0.065 $\chi^2/\text{NDF}: 704484.9/9$

Right Out: 196.339 ± 0.055 $\chi^2/\text{NDF}: 1194805.7/19$

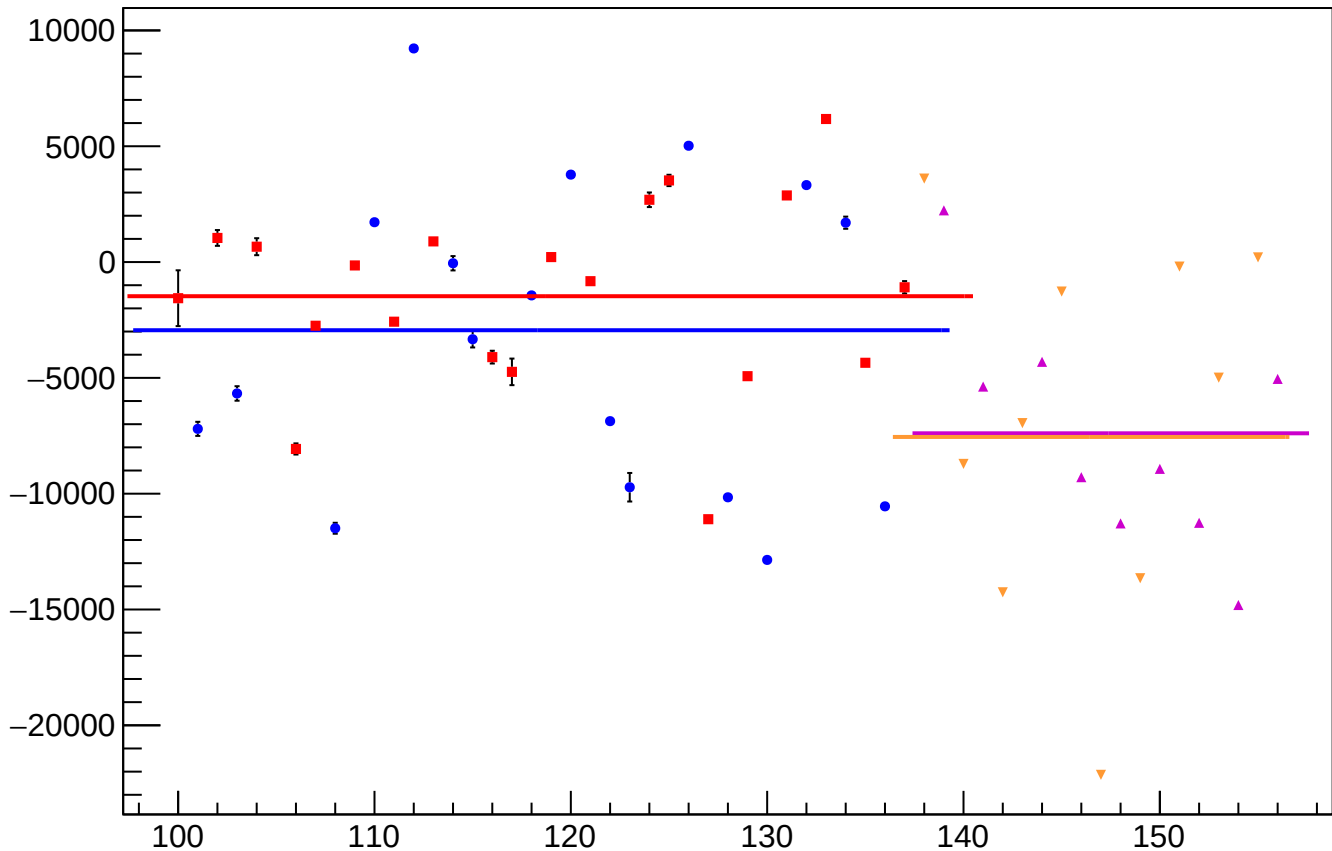
Left In: 203.687 ± 0.056 $\chi^2/\text{NDF}: 788307.6/8$

228.080 ± 0.045 $\chi^2/\text{NDF}: 1418971.6/26$

212.187 ± 0.030 $\chi^2/\text{NDF}: 3631543.9/55$

199.938 ± 0.040 $\chi^2/\text{NDF}: 1991756.5/28$

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2943.123+/-48.612 χ^2/NDF : 20909.8/16

Left Out: -7550.576+/-45.829 χ^2/NDF : 29292.5/9

Right Out: -1474.497+/-46.252 χ^2/NDF : 8028.6/19

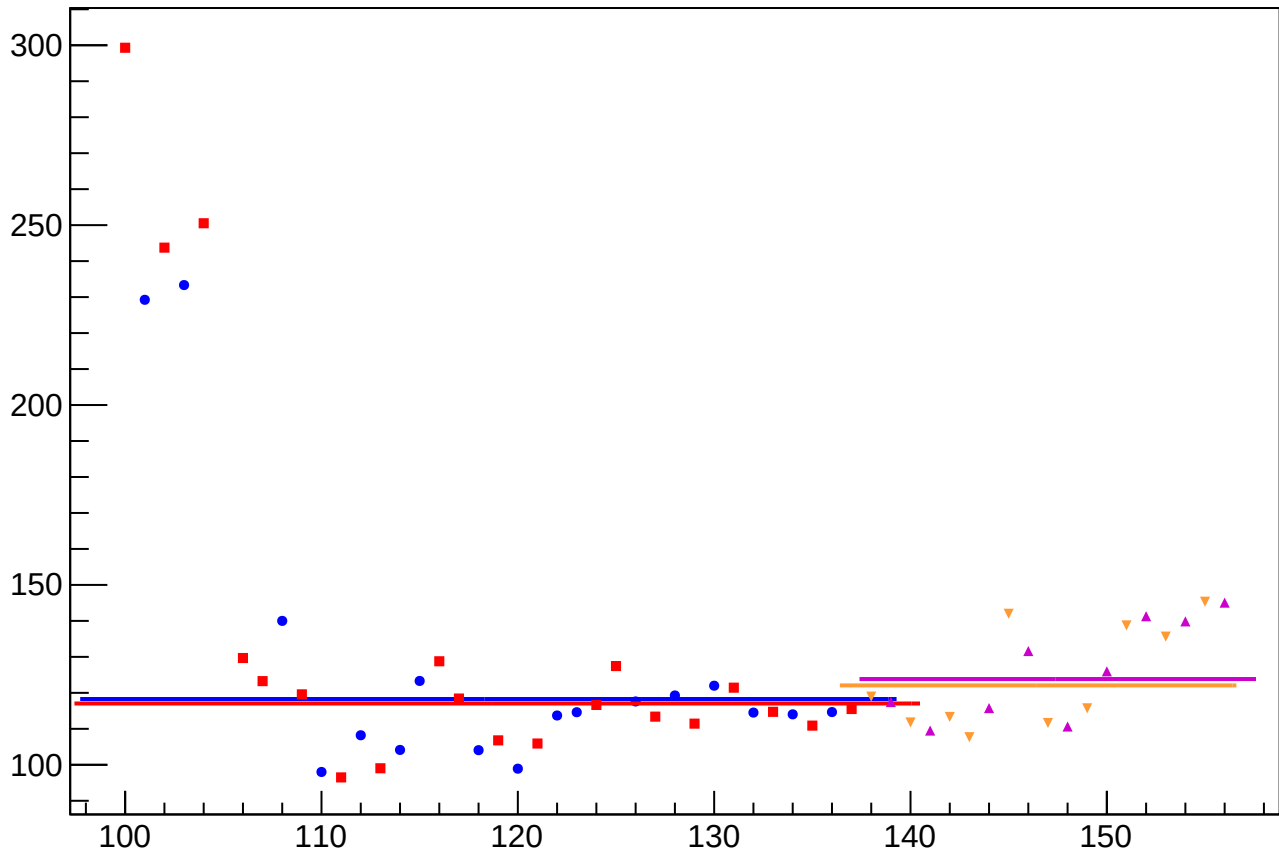
Left In: -7393.377+/-46.388 χ^2/NDF : 9876.5/8

-5382.497+/-33.347 χ^2/NDF : 54958.4/26

-4895.296+/-23.367 χ^2/NDF : 81447.0/55

-4425.284+/-32.753 χ^2/NDF : 26069.3/28

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.286 $\pm$ 0.034 χ^2 /NDF: 636918.0/16

Left Out: 122.069 $\pm$ 0.032 χ^2 /NDF:167934.3/9

Right Out: 117.040 $\pm$ 0.033 χ^2 /NDF: 690873.1/19

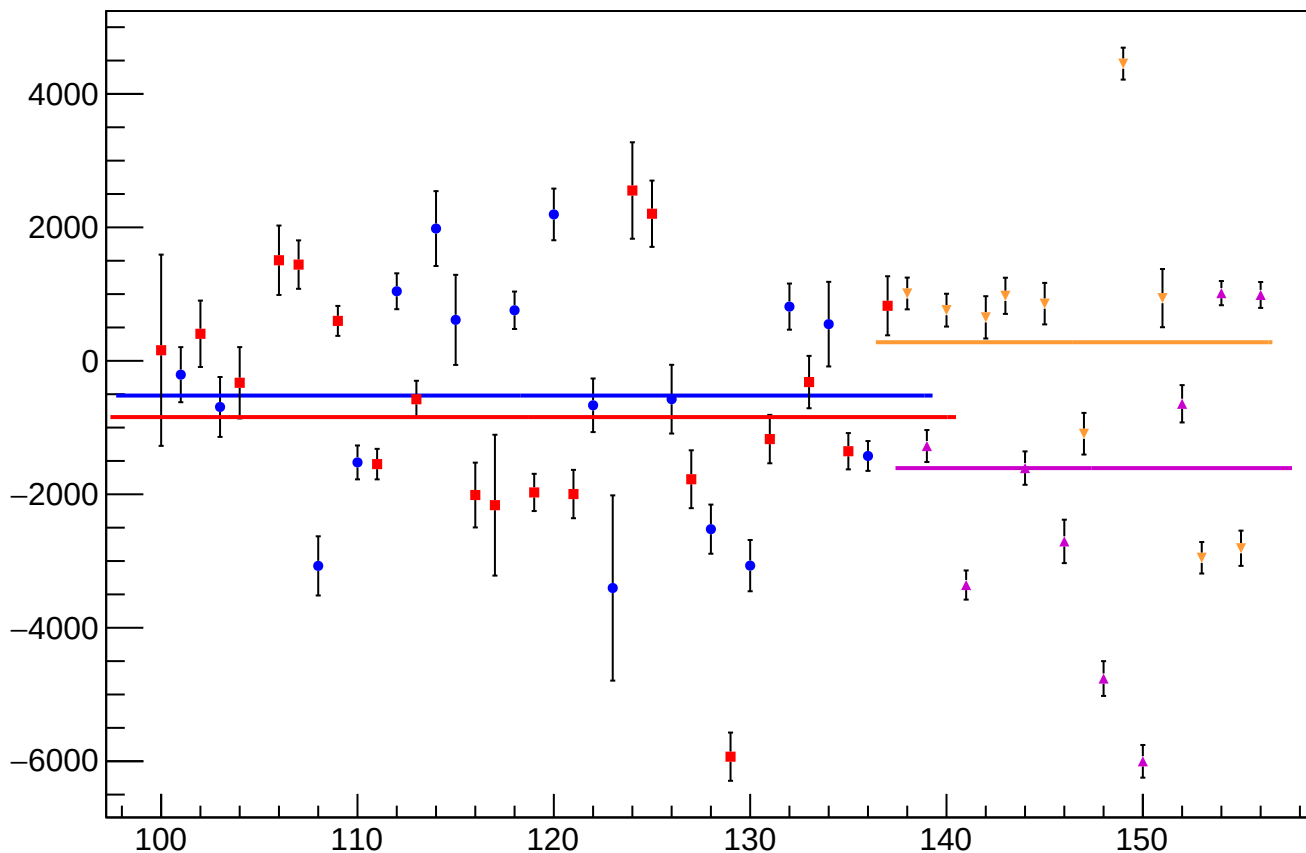
Left In: 123.840 $\pm$ 0.033 χ^2 /NDF:148855.9/8

120.288 $\pm$ 0.024 χ^2 /NDF: 811265.3/26

120.361 $\pm$ 0.017 χ^2 /NDF: 1672563.8/55

120.430 $\pm$ 0.023 χ^2 /NDF: 861280.0/28

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

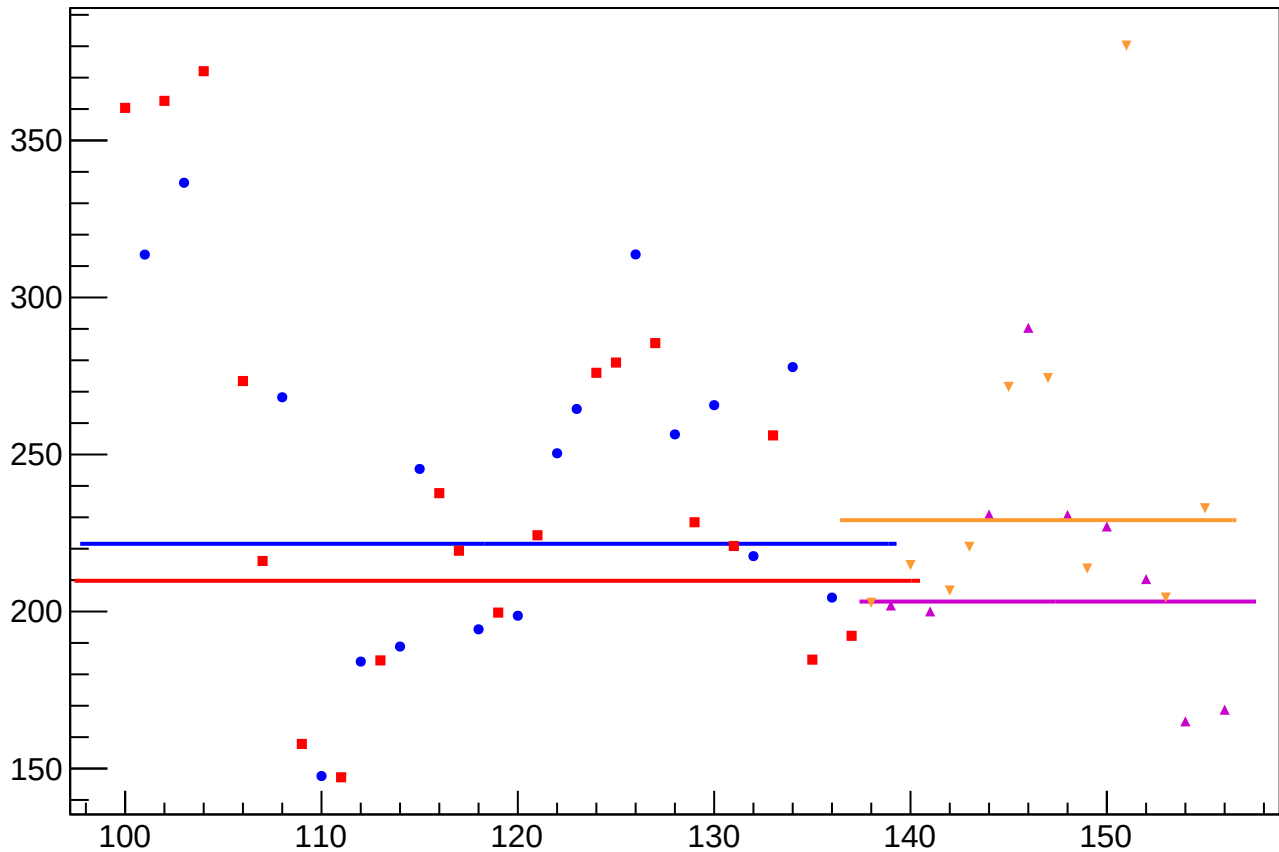
Left In: -1607.356 $\pm$ 77.869 χ^2/NDF : 945.8/8

-108.664 $\pm$ 62.141 χ^2/NDF : 1004.2/26

-730.983 $\pm$ 41.793 χ^2/NDF : 2615.1/55

-1244.964 $\pm$ 56.473 χ^2/NDF : 1427.7/28

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.570 $\pm$ 0.063 χ^2 /NDF: 644941.4/16

Left Out: 229.101 $\pm$ 0.061 χ^2 /NDF: 392815.3/9

Right Out: 209.794 $\pm$ 0.058 χ^2 /NDF: 884087.4/19

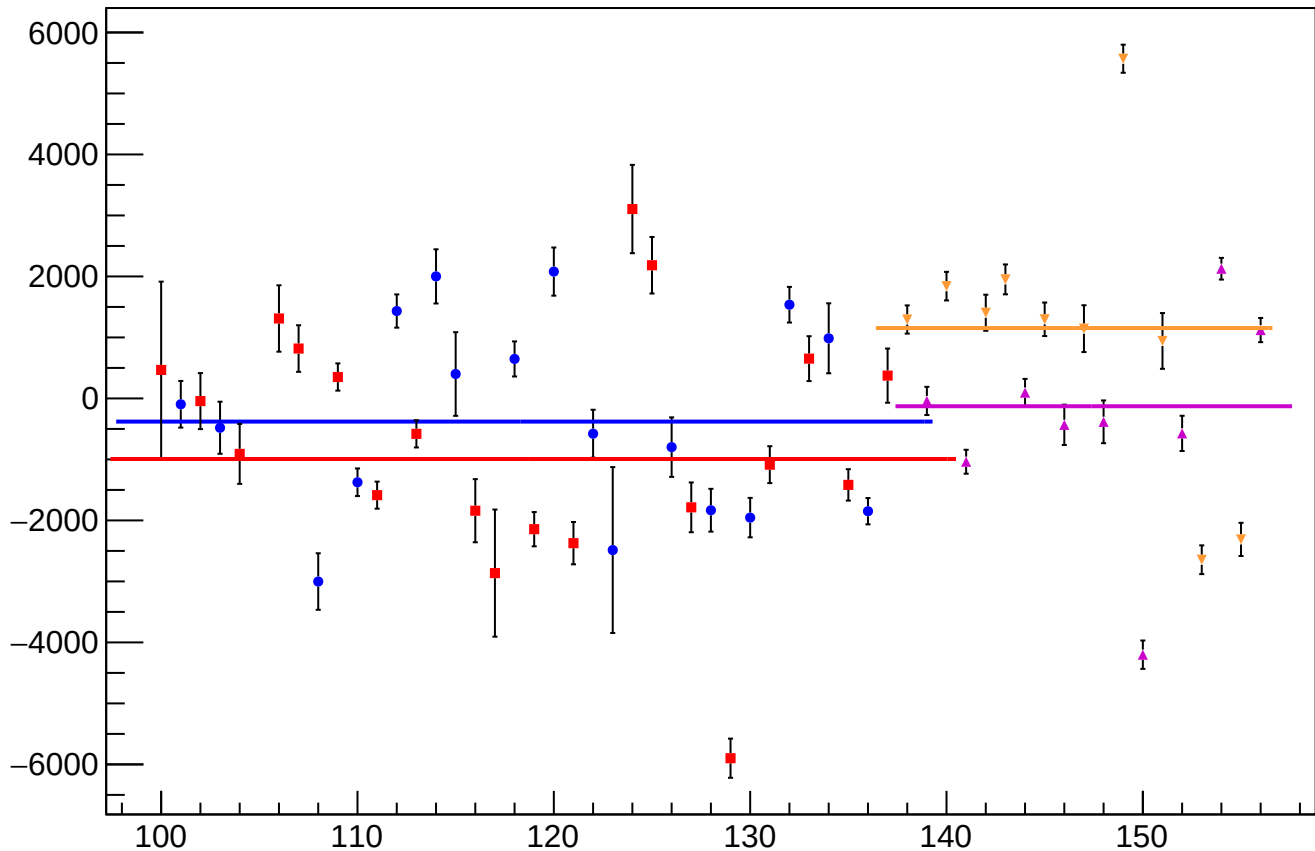
Left In: 203.175 $\pm$ 0.055 χ^2 /NDF: 362772.2/8

225.449 $\pm$ 0.044 χ^2 /NDF: 1045094.6/26

214.969 $\pm$ 0.030 χ^2 /NDF: 2402688.3/55

206.312 $\pm$ 0.040 χ^2 /NDF: 1253710.8/28

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -379.647 ± 84.260 χ^2/NDF : 317.2/16

Left Out: 1153.929 ± 84.459 χ^2/NDF : 810.7/9

Right Out: -992.944 ± 77.509 χ^2/NDF : 479.5/19

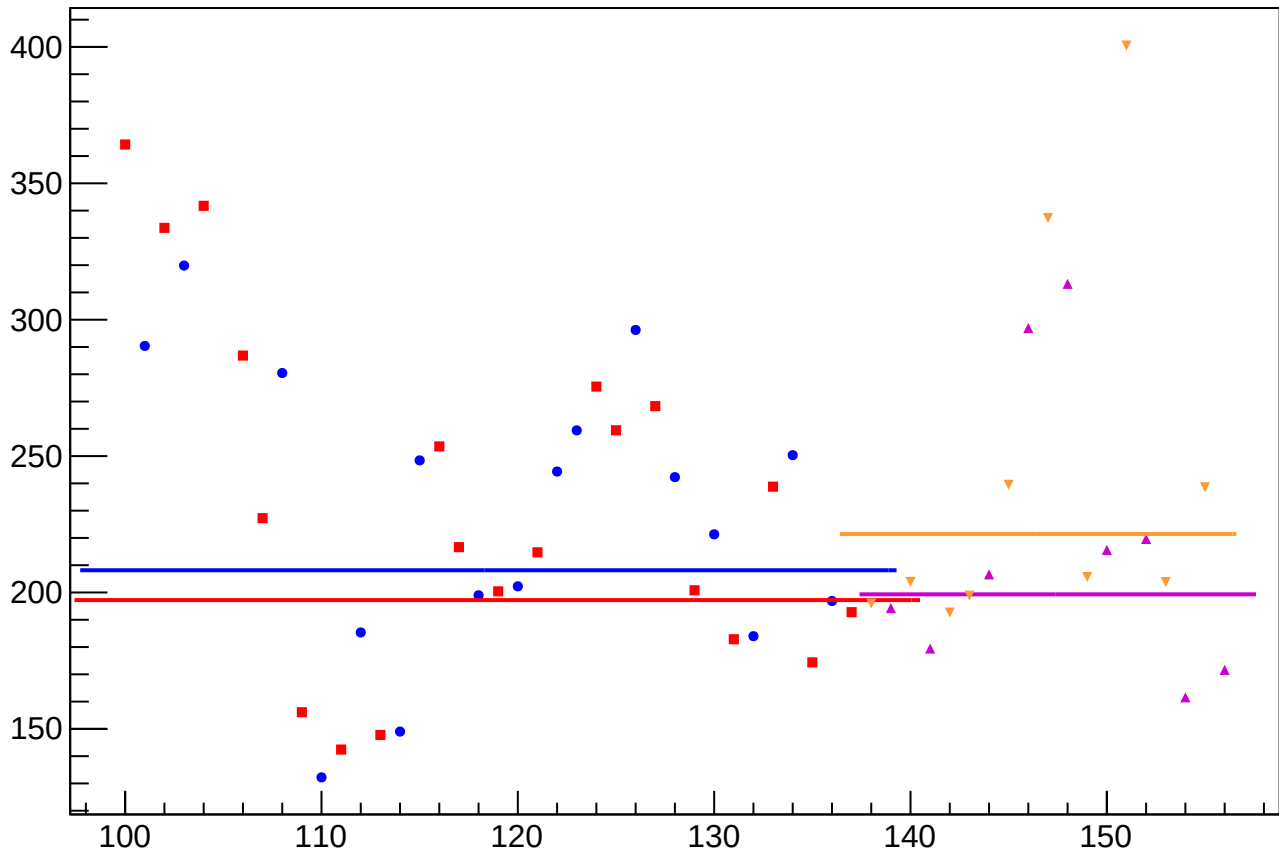
Left In: -128.009 ± 76.846 χ^2/NDF : 533.4/8

385.326 ± 59.651 χ^2/NDF : 1293.1/26

-127.531 ± 40.264 χ^2/NDF : 2504.5/55

-556.758 ± 54.571 χ^2/NDF : 1075.7/28

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

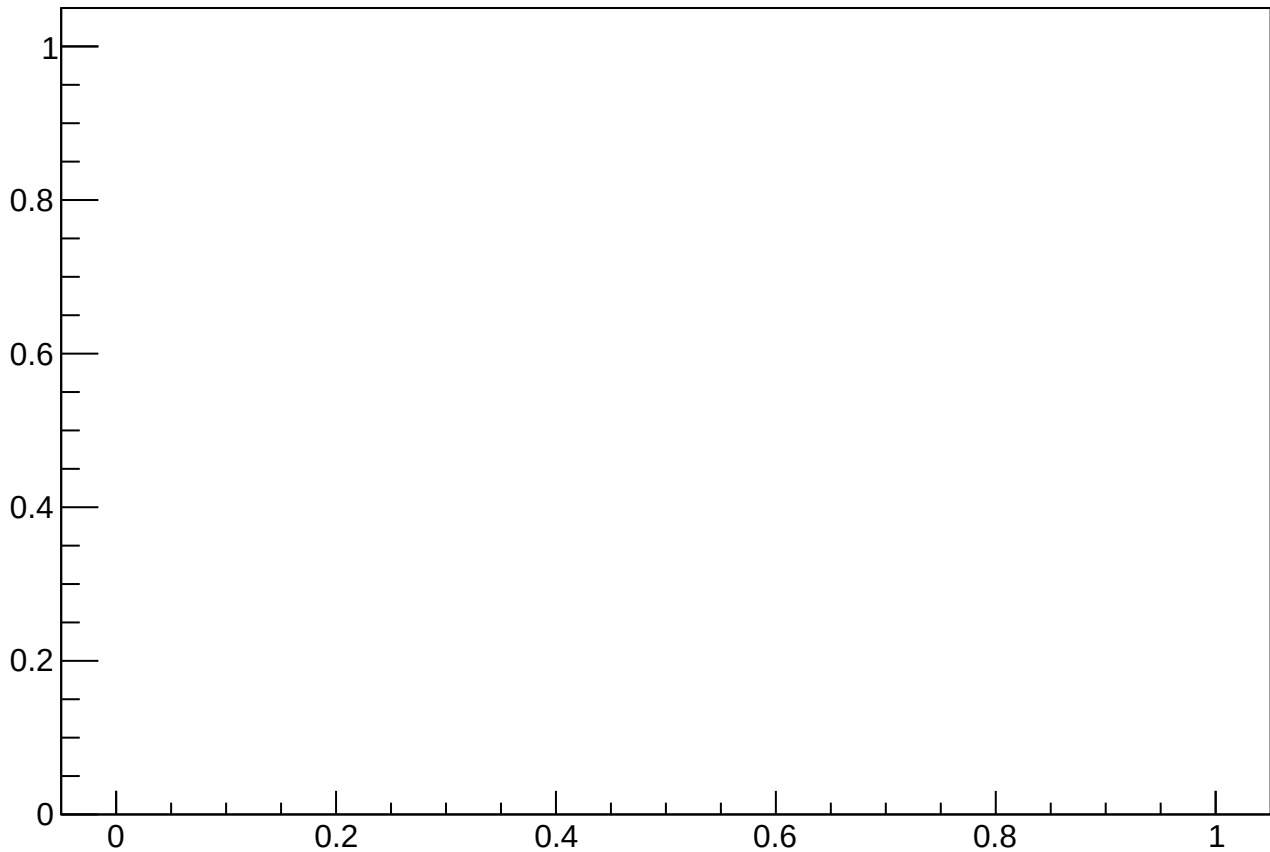
Left In: 199.326+/-0.054 χ^2/NDF : 557332.5/8

214.773+/-0.042 χ^2/NDF : 1321688.4/26

205.793+/-0.028 χ^2/NDF : 2890197.1/55

198.277+/-0.039 χ^2/NDF : 1485248.7/28

bcm_an_us_ds_dd_mean vs Slug, Sign Corrected



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

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

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

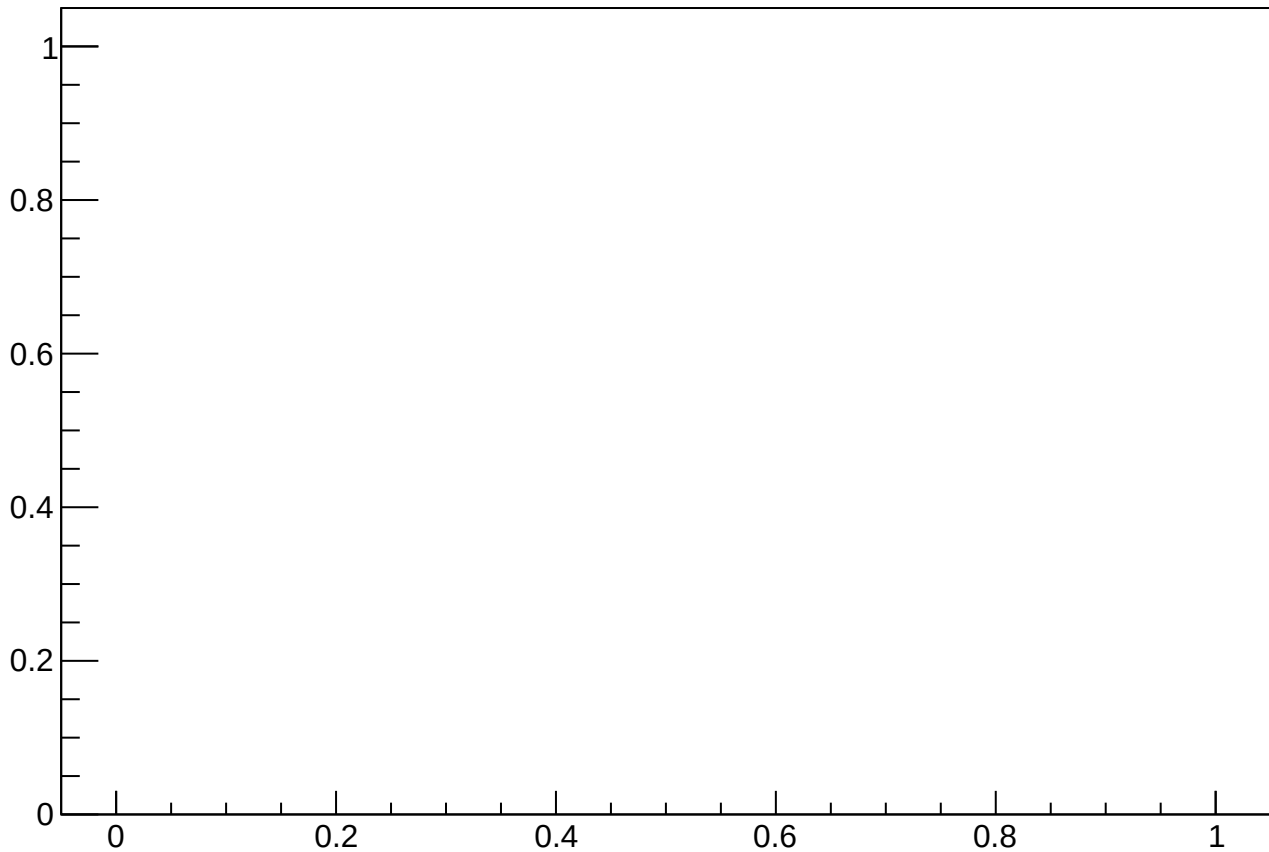
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_an_us_ds_dd_rms vs Slug, Sign Corrected



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

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

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

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_dg_ds_dd_mean vs Slug, Sign Corrected



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

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

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

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

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



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

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

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

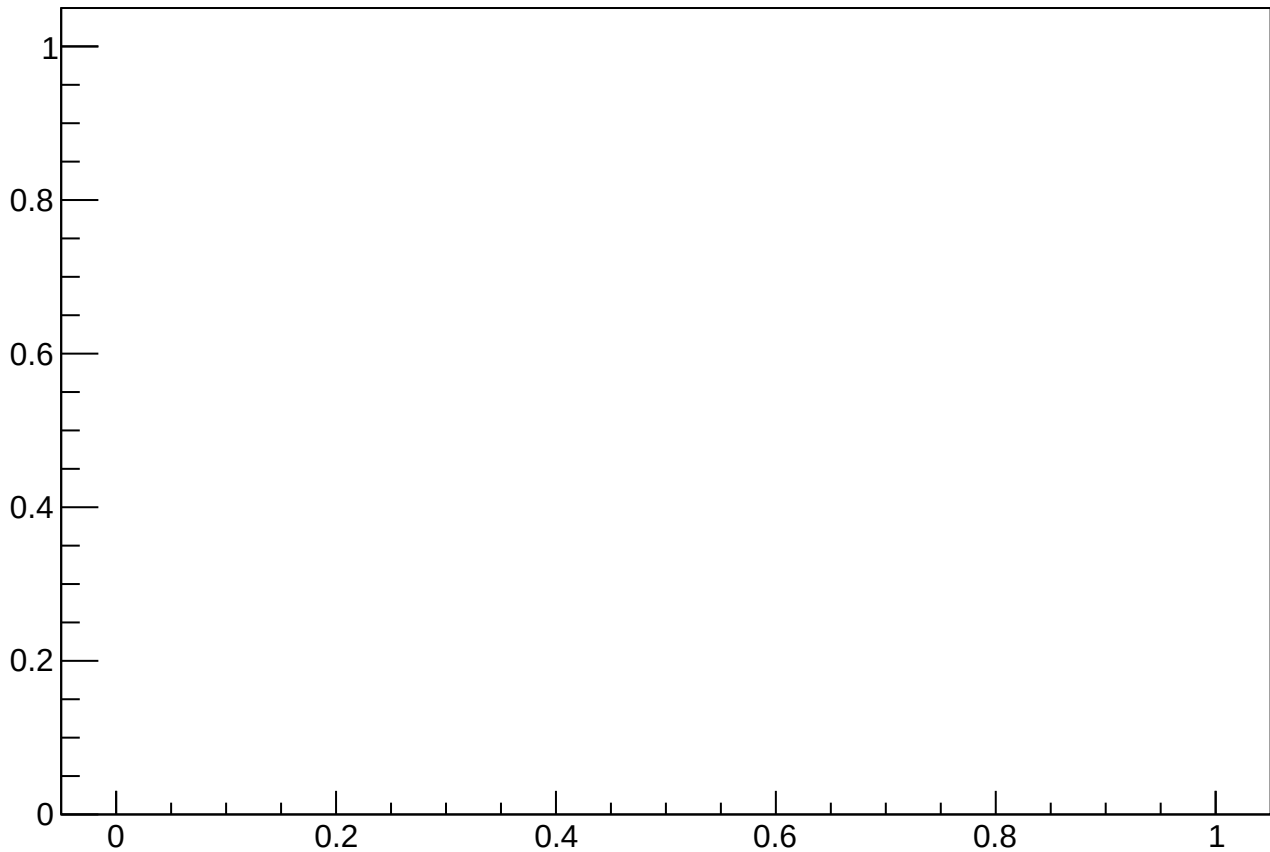
Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

0.000+/-0.000 χ^2 /NDF: 0.0/0

bcm_dg_us_ds_dd_mean vs Slug, Sign Corrected



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

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

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

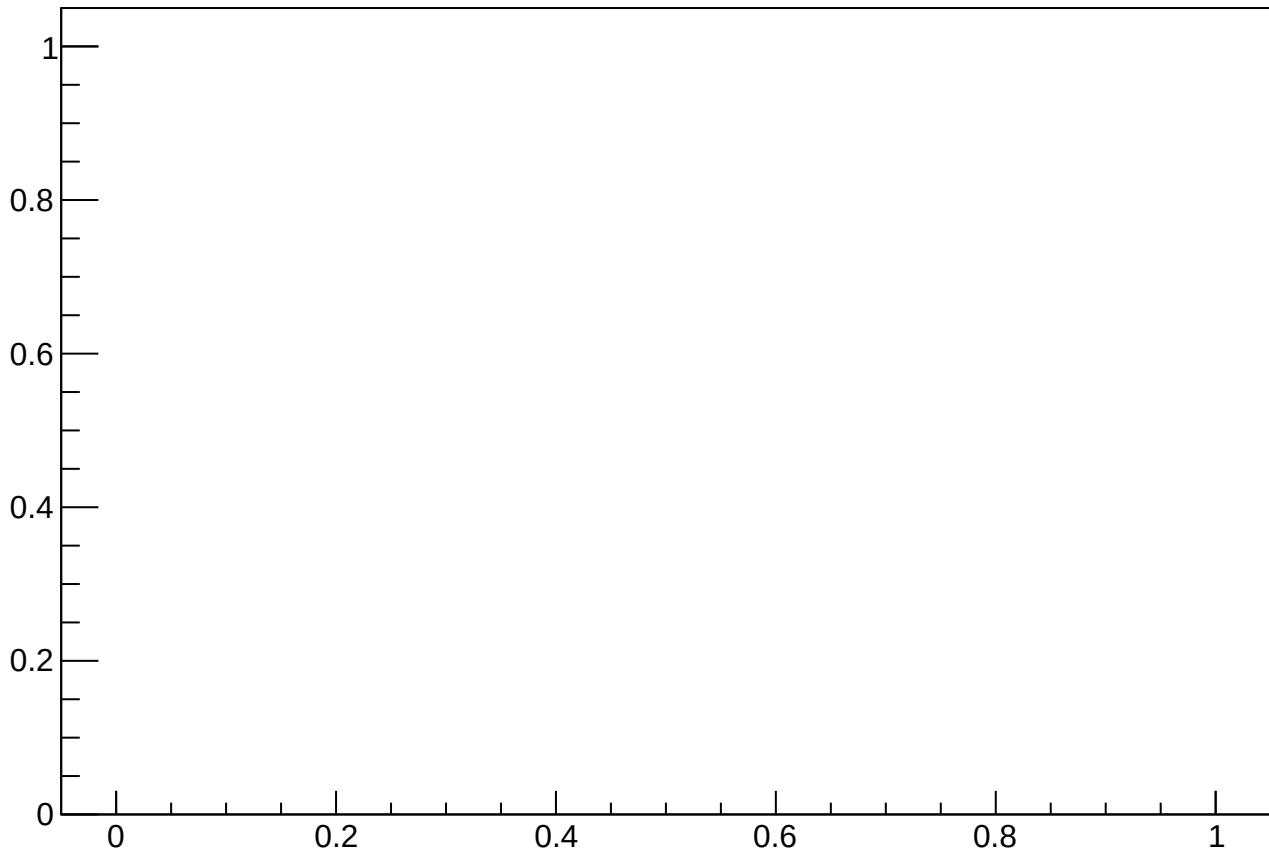
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_dd_rms vs Slug, Sign Corrected



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

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

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

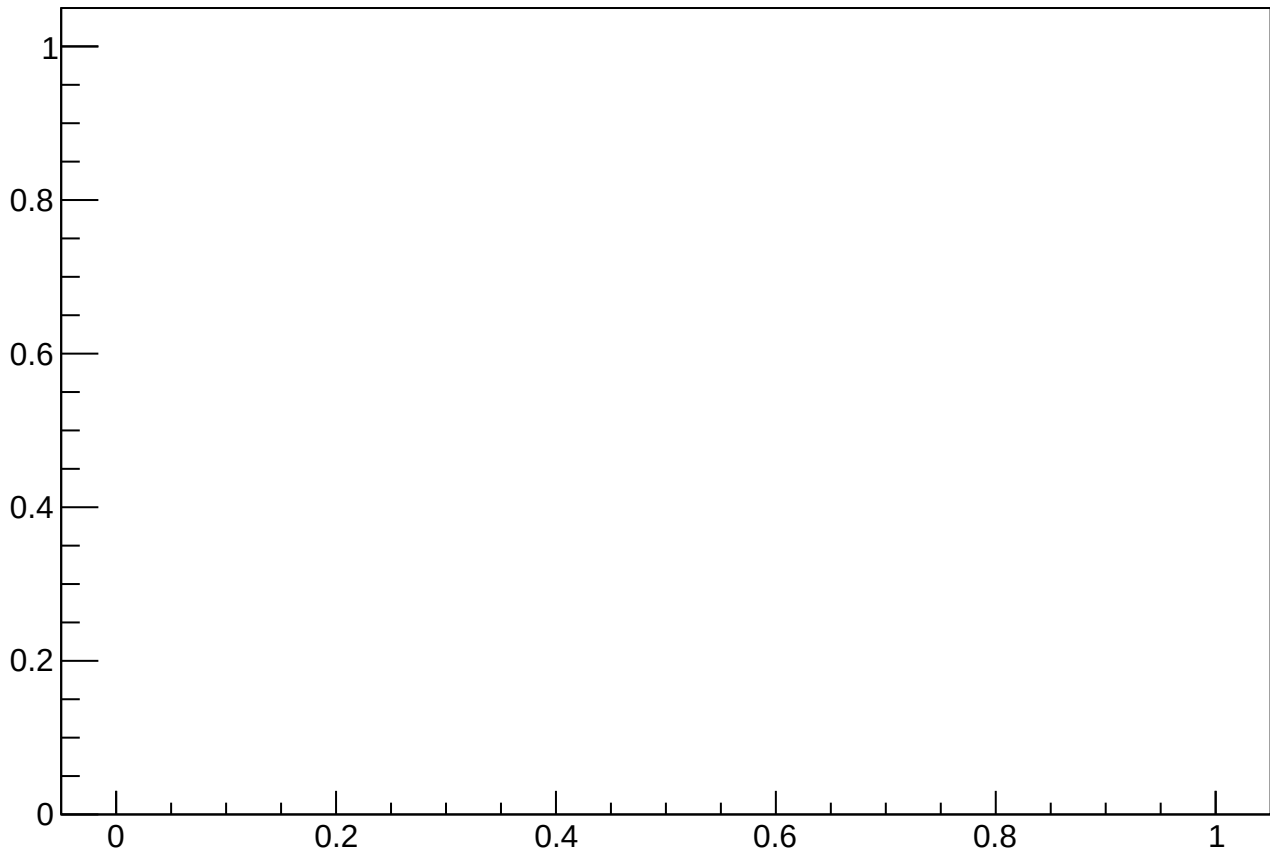
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_ds_ds_dd_mean vs Slug, Sign Corrected



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

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

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

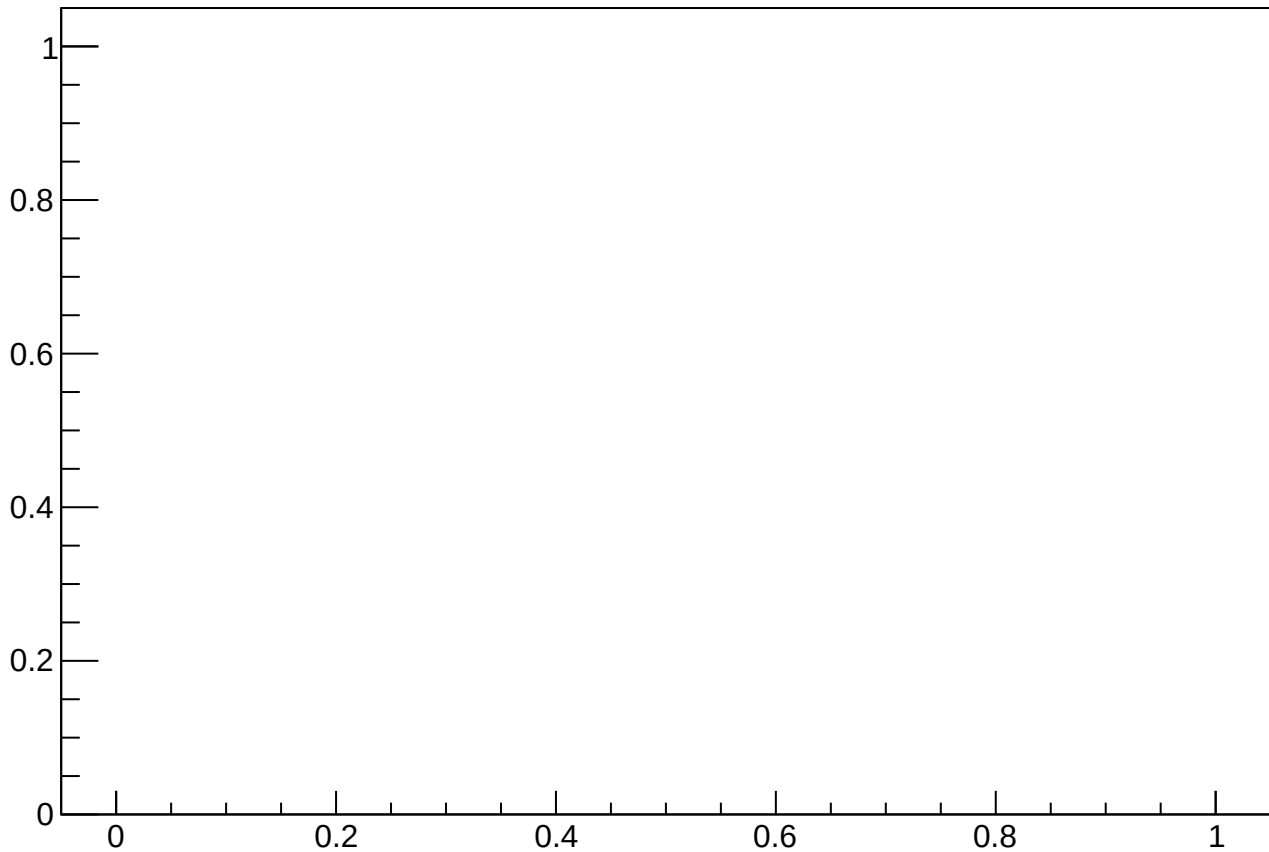
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_ds_ds_dd_rms vs Slug, Sign Corrected



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

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

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

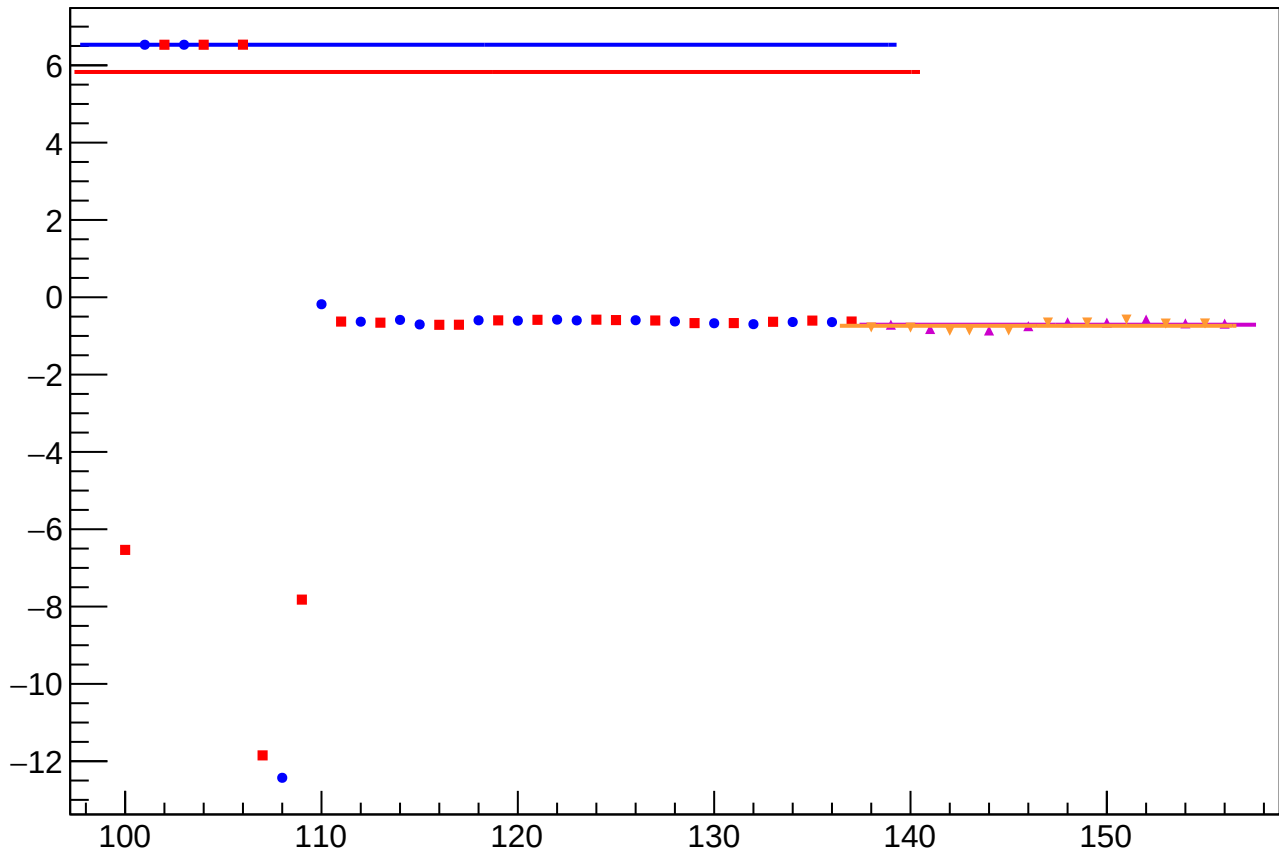
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 6.532 ± 0.000 χ^2/NDF : 127219747629.7/16

Left Out: -0.737 ± 0.000 χ^2/NDF : 69227546.5/9

Right Out: 5.827 ± 0.000 χ^2/NDF : 755964092355063.0/19

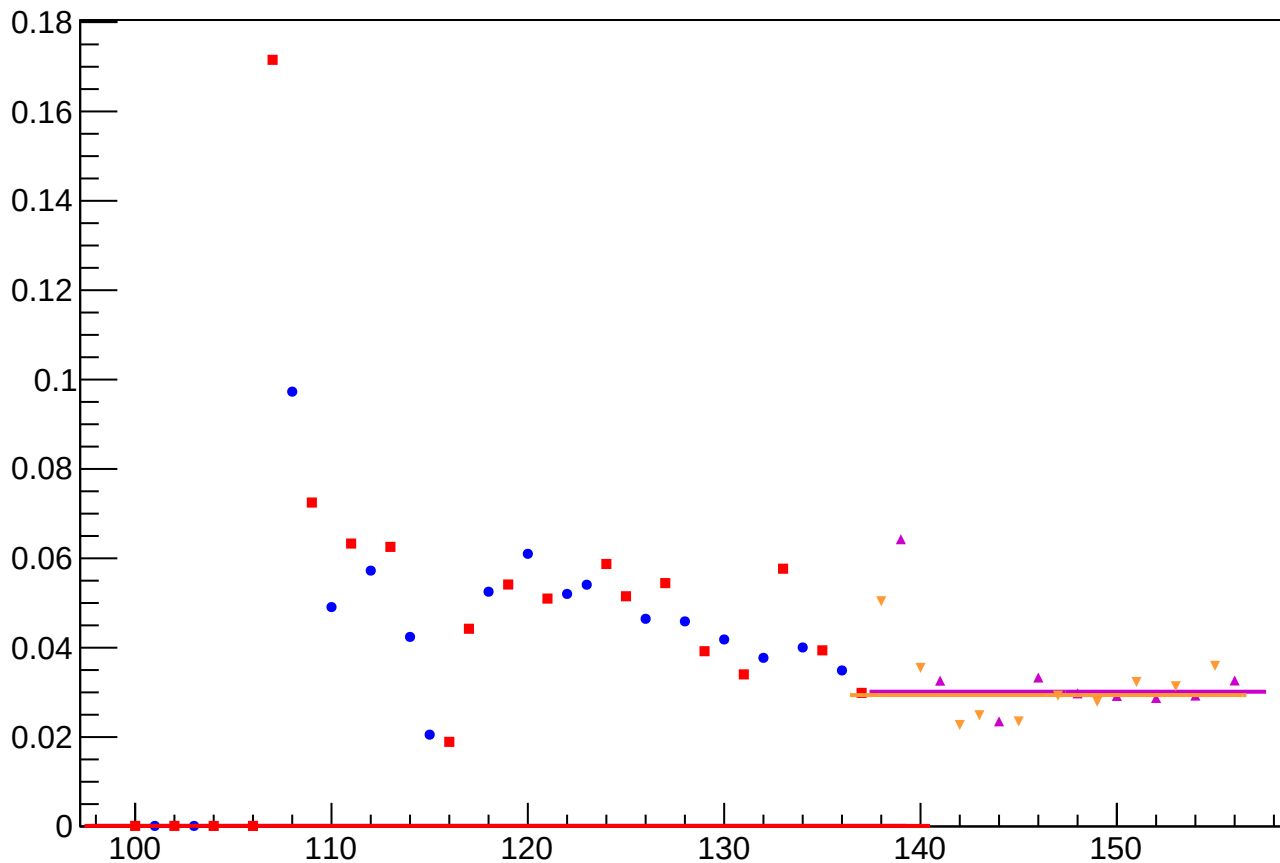
Left In: -0.710 ± 0.000 χ^2/NDF : 54068764.2/8

6.531 ± 0.000 χ^2/NDF : 471052324064.6/26

6.154 ± 0.000 χ^2/NDF : 77670093664105

5.827 ± 0.000 χ^2/NDF : 756232799922646.8/28

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.029+/-0.000 χ^2/NDF : 459272.2/9

Right Out: 0.000+/-0.000 χ^2/NDF : 9429256.2/19

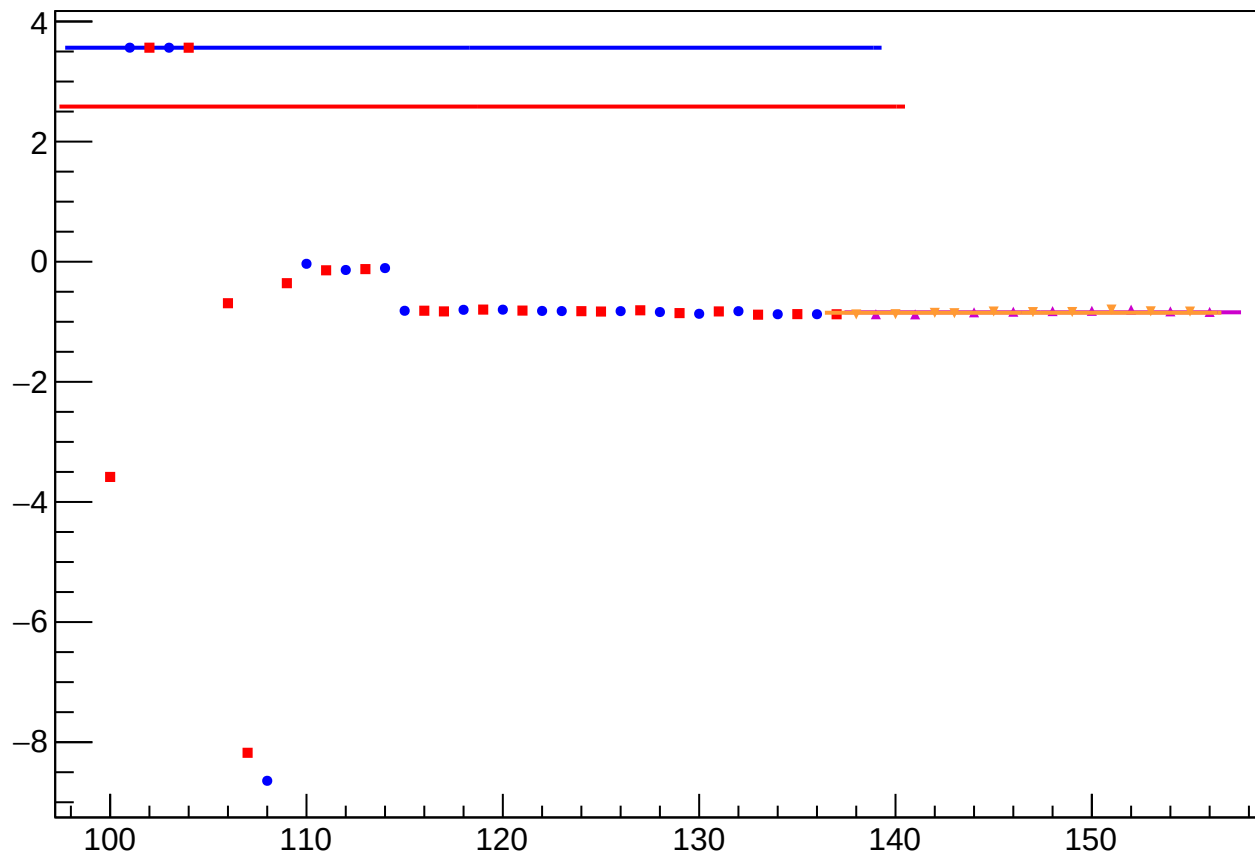
Left In: 0.030+/-0.000 χ^2/NDF : 526095.4/8

0.000+/-0.000 χ^2/NDF : 20499477.9/26

0.000+/-0.000 χ^2/NDF : 41792013.2/55

0.000+/-0.000 χ^2/NDF : 21292183.8/28

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.849+/-0.000 χ^2/NDF : 34929776.0/9

Right Out: 2.583+/-0.000 χ^2/NDF : 1253503502448656.2/19

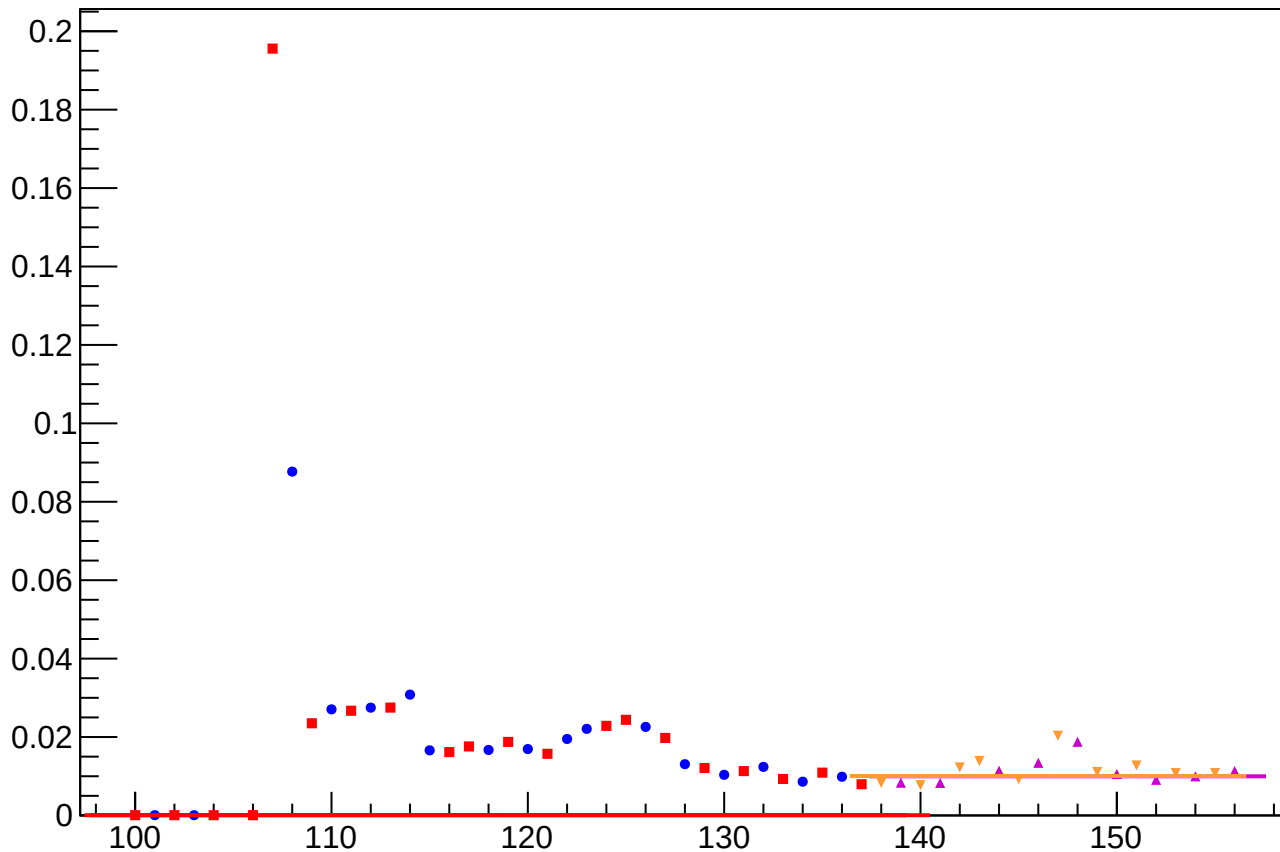
Left In: -0.842+/-0.000 χ^2/NDF : 47236418.6/8

3.562+/-0.000 χ^2/NDF : 1541108647311.4/26

3.040+/-0.000 χ^2/NDF : 13839321133625

2.583+/-0.000 χ^2/NDF : 1254167040050588.0/2

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9724059.3/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:722006.8/9

Right Out: 0.000+/-0.000 χ^2/NDF : 9937459.6/19

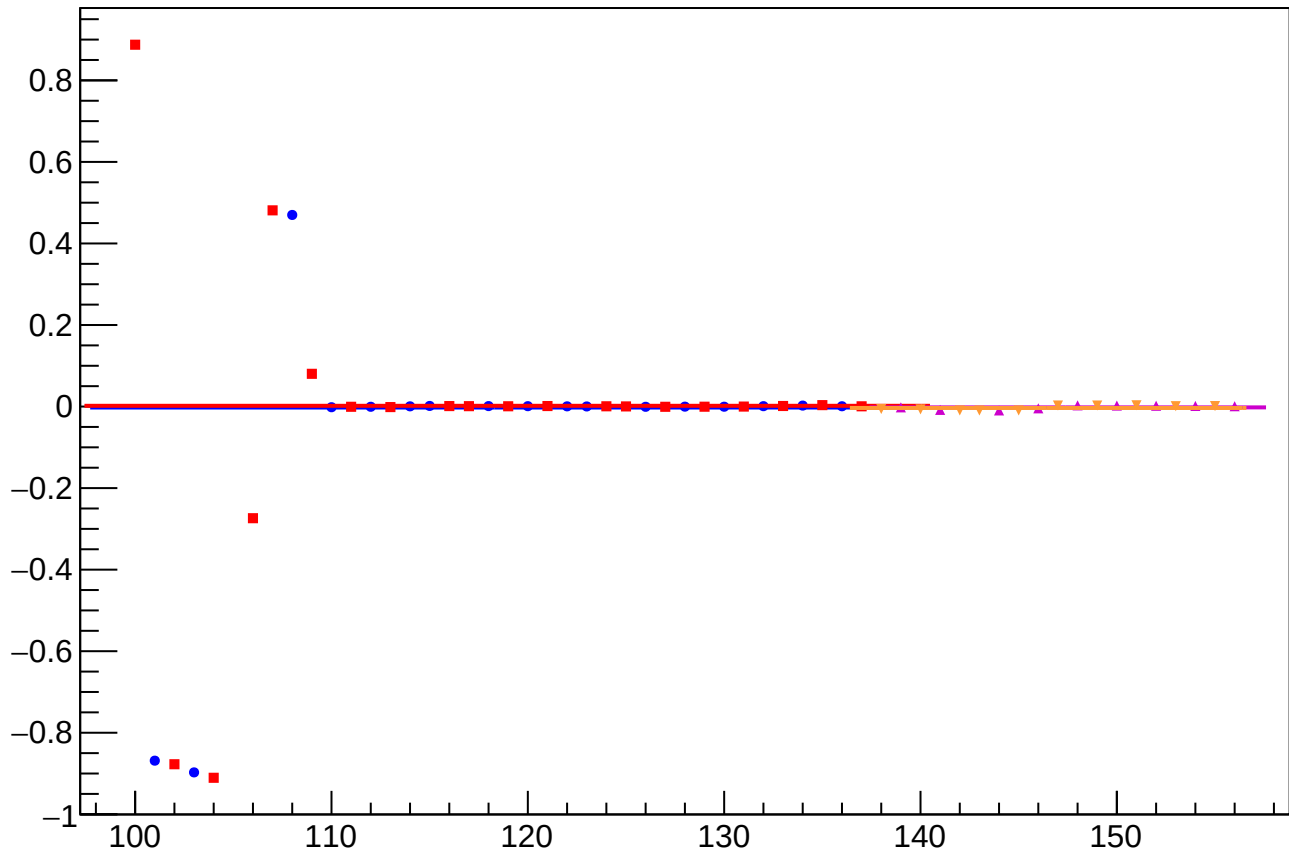
Left In: 0.010+/-0.000 χ^2/NDF :550564.7/8

0.000+/-0.000 χ^2/NDF : 21308186.8/26

0.000+/-0.000 χ^2/NDF : 42922167.1/55

0.000+/-0.000 χ^2/NDF : 21613582.9/28

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.000 χ^2/NDF : 9794863405.3/16

Left Out: -0.003+/-0.000 χ^2/NDF : 72220819.0/9

Right Out: 0.002+/-0.000 χ^2/NDF : 3041323813.4/19

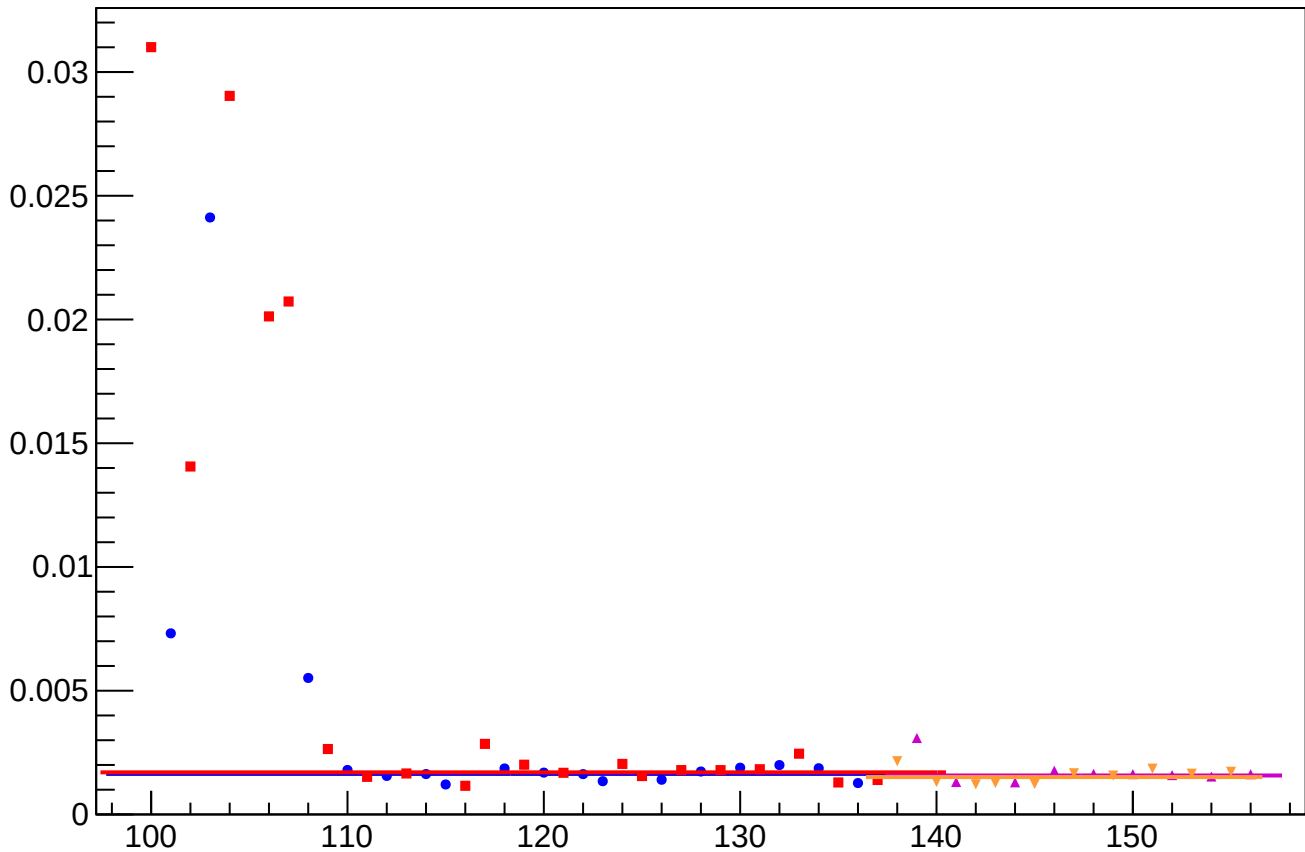
Left In: -0.002+/-0.000 χ^2/NDF : 55434451.8/8

-0.003+/-0.000 χ^2/NDF : 9868279969.5/26

-0.002+/-0.000 χ^2/NDF : 12991773129.7/5

-0.000+/-0.000 χ^2/NDF : 3110839460.8/28

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1916349.1/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 341072.7/9

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3037006.7/19

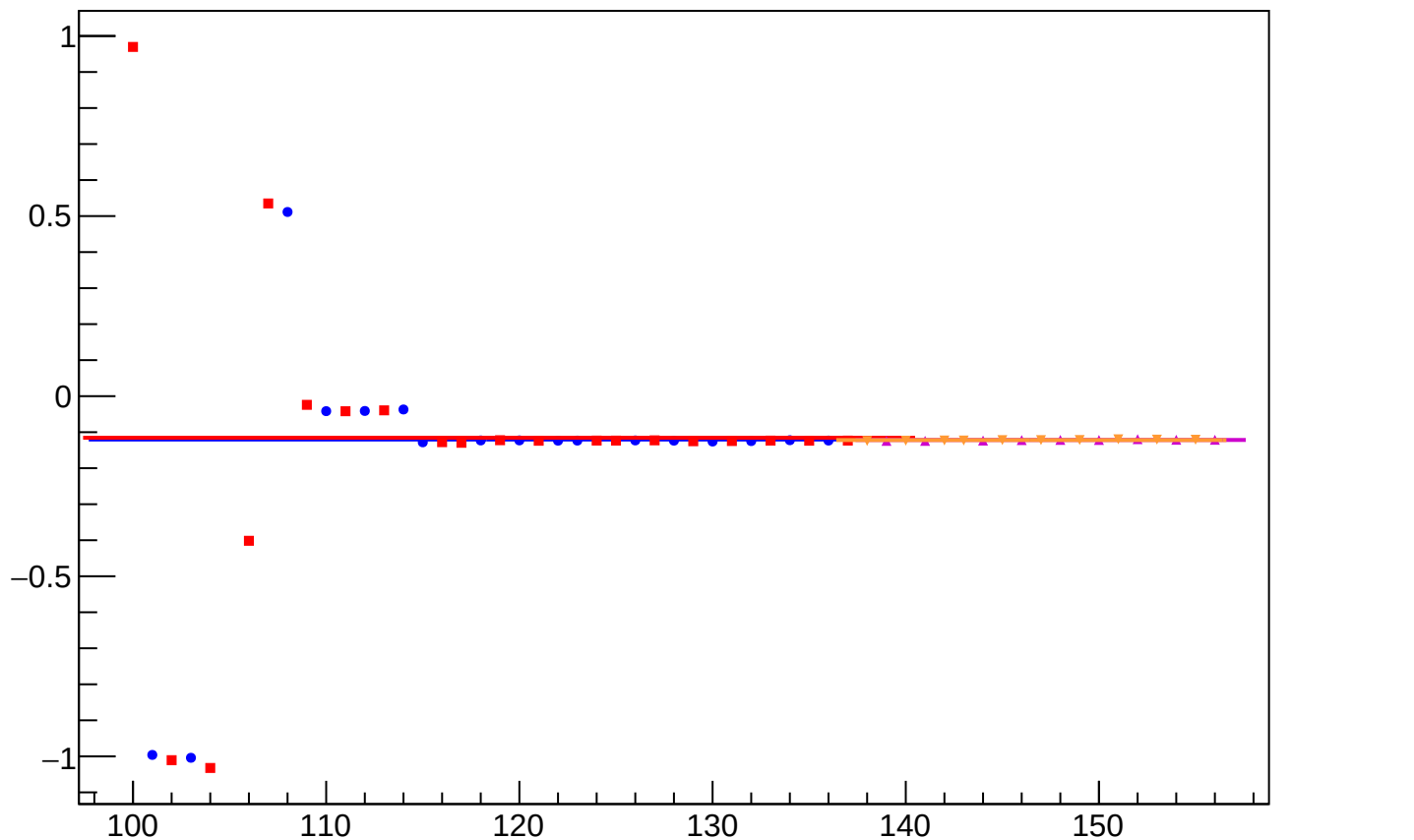
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 470587.7/8

0.002 $\pm$ 0.000 χ^2 /NDF: 2289525.0/26

0.002 $\pm$ 0.000 χ^2 /NDF: 5842841.6/55

0.002 $\pm$ 0.000 χ^2 /NDF: 3537256.3/28

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.120+/-0.000 χ^2/NDF : 3932144335.2/16

Left Out: -0.122+/-0.000 χ^2/NDF : 9414575.3/9

Right Out: -0.115+/-0.000 χ^2/NDF : 2458475073.1/19

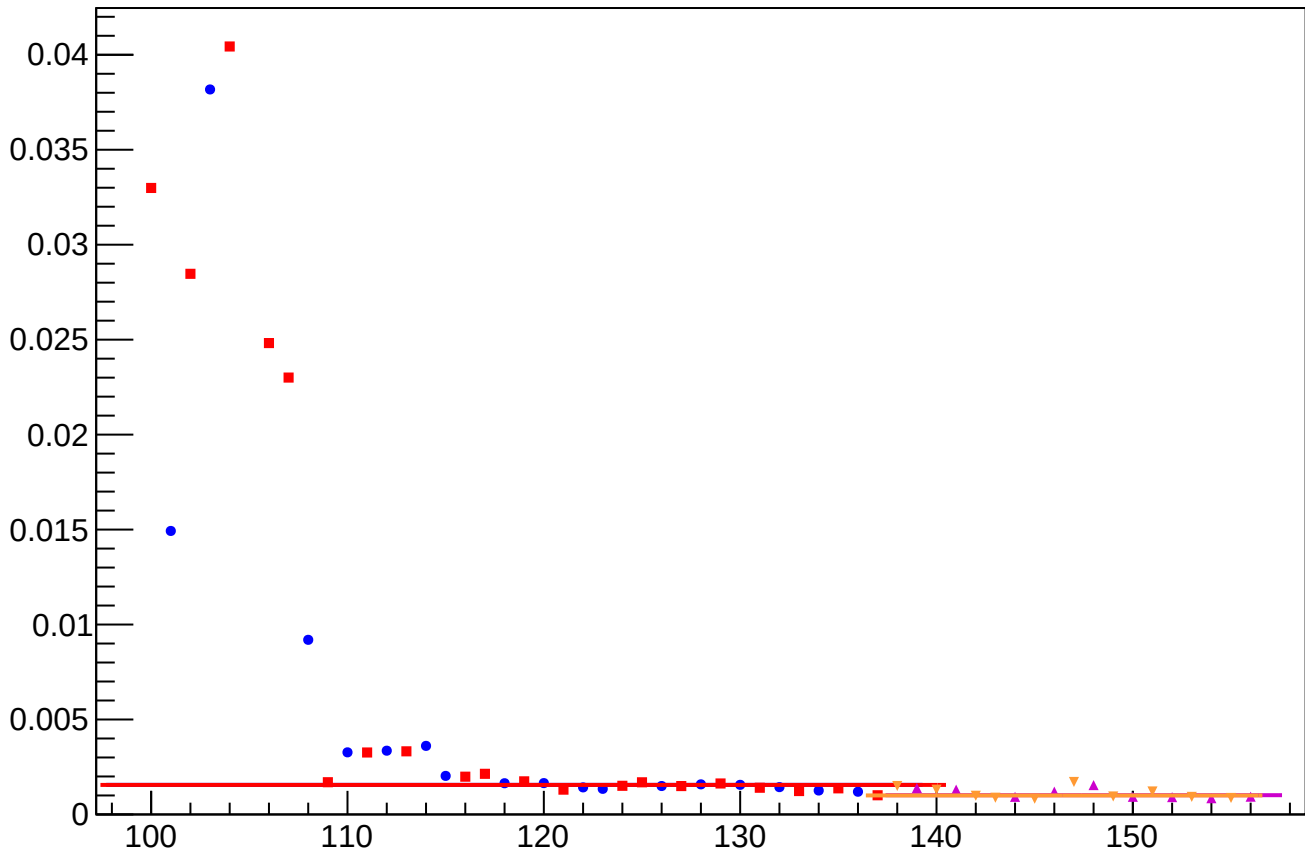
Left In: -0.122+/-0.000 χ^2/NDF : 12852970.2/8

-0.122+/-0.000 χ^2/NDF : 3945165691.9/26

-0.121+/-0.000 χ^2/NDF : 6479002945.9/5

-0.120+/-0.000 χ^2/NDF : 2526412138.7/28

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 2901093.3/16

Left Out: 0.001+/-0.000 χ^2/NDF : 654469.4/9

Right Out: 0.002+/-0.000 χ^2/NDF : 3545212.9/19

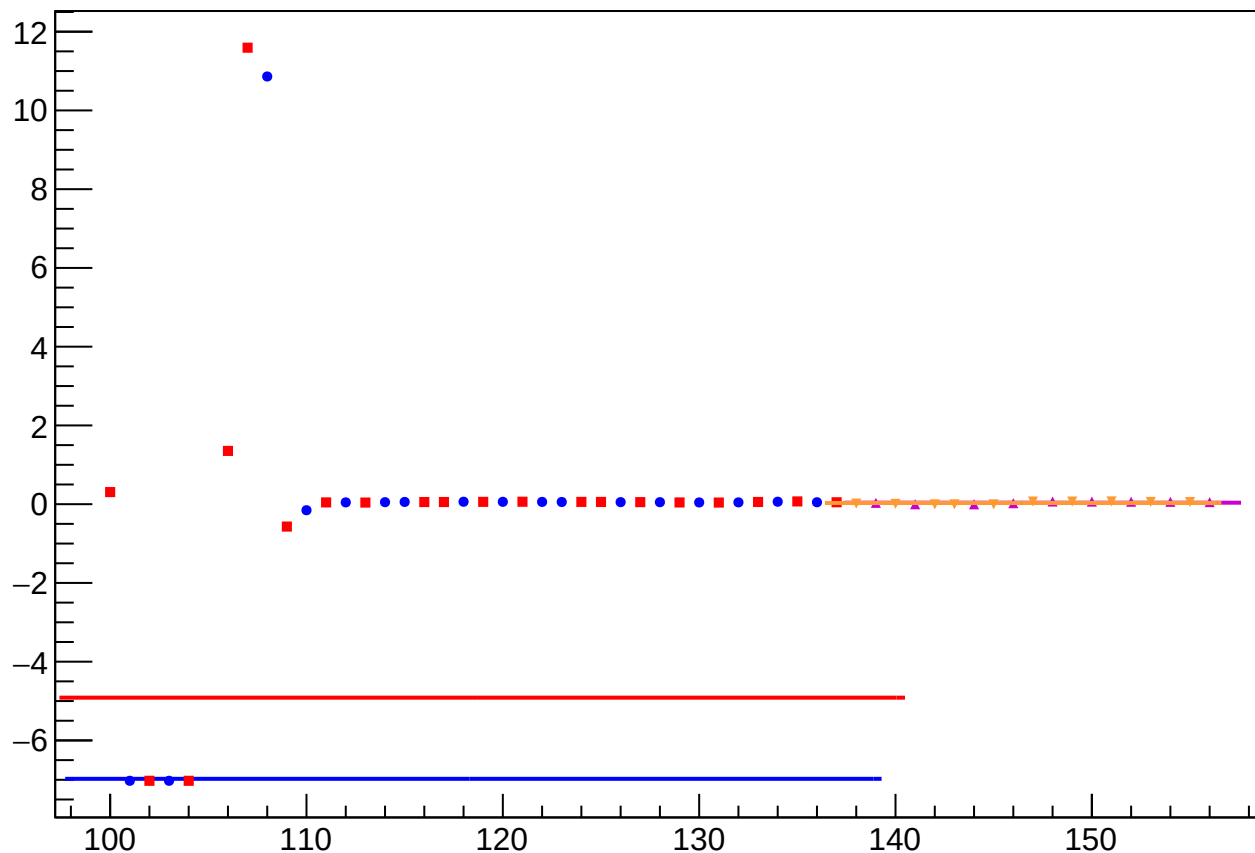
Left In: 0.001+/-0.000 χ^2/NDF : 498750.4/8

0.001+/-0.000 χ^2/NDF : 4456200.1/26

0.001+/-0.000 χ^2/NDF : 9359889.6/55

0.001+/-0.000 χ^2/NDF : 4902575.3/28

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975+/-0.000 χ^2/NDF : 8749579700722.8/16

Left Out: 0.030+/-0.000 χ^2/NDF : 70984615.6/9

Right Out: -4.914+/-0.000 χ^2/NDF : 365362121338855.3/19

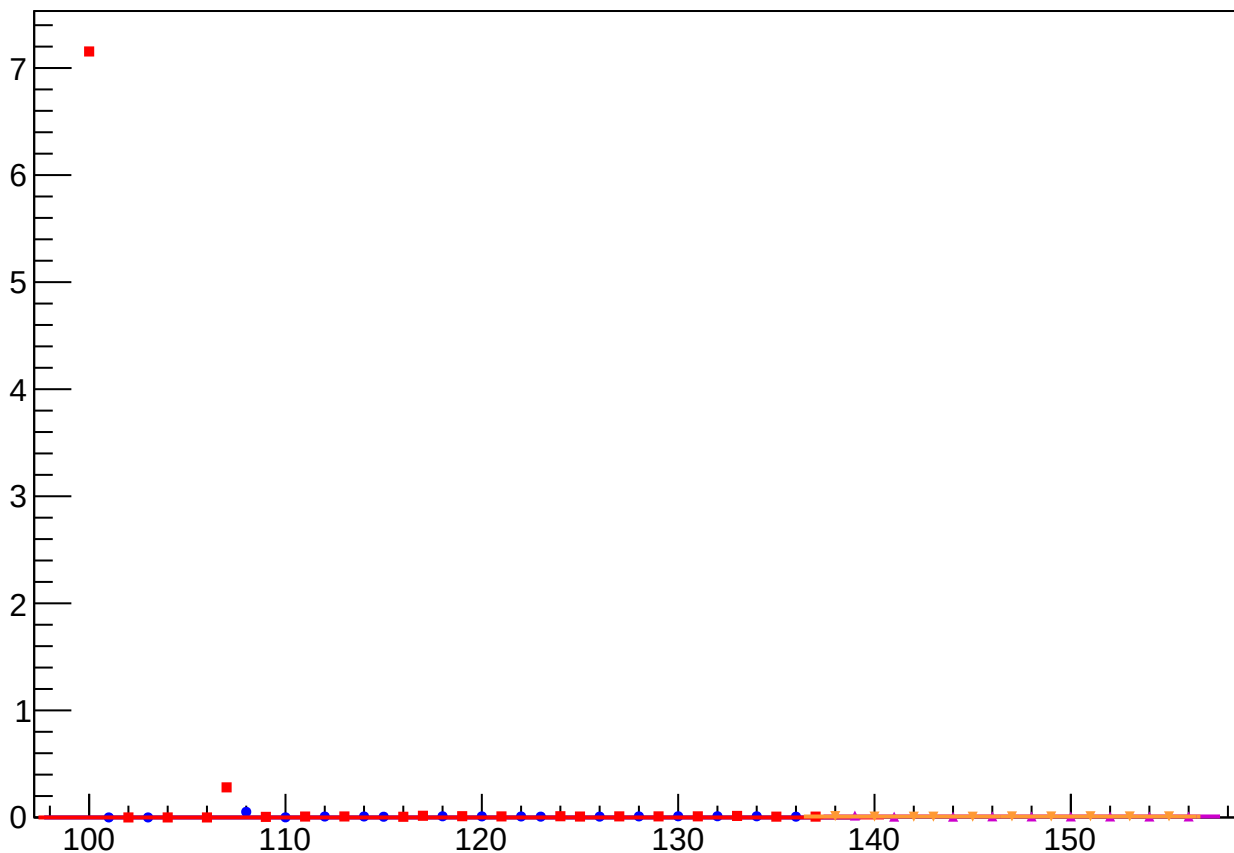
Left In: 0.038+/-0.000 χ^2/NDF : 59585165.5/8

-6.956+/-0.000 χ^2/NDF : 12211347742392.3/26

-5.884+/-0.000 χ^2/NDF : 43516872310134

-4.902+/-0.000 χ^2/NDF : 367013540469166.9/2

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 8242728.7/16

Left Out: 0.009+/-0.000 χ^2/NDF : 343699.5/9

Right Out: 0.000+/-0.000 χ^2/NDF : 8854773.0/19

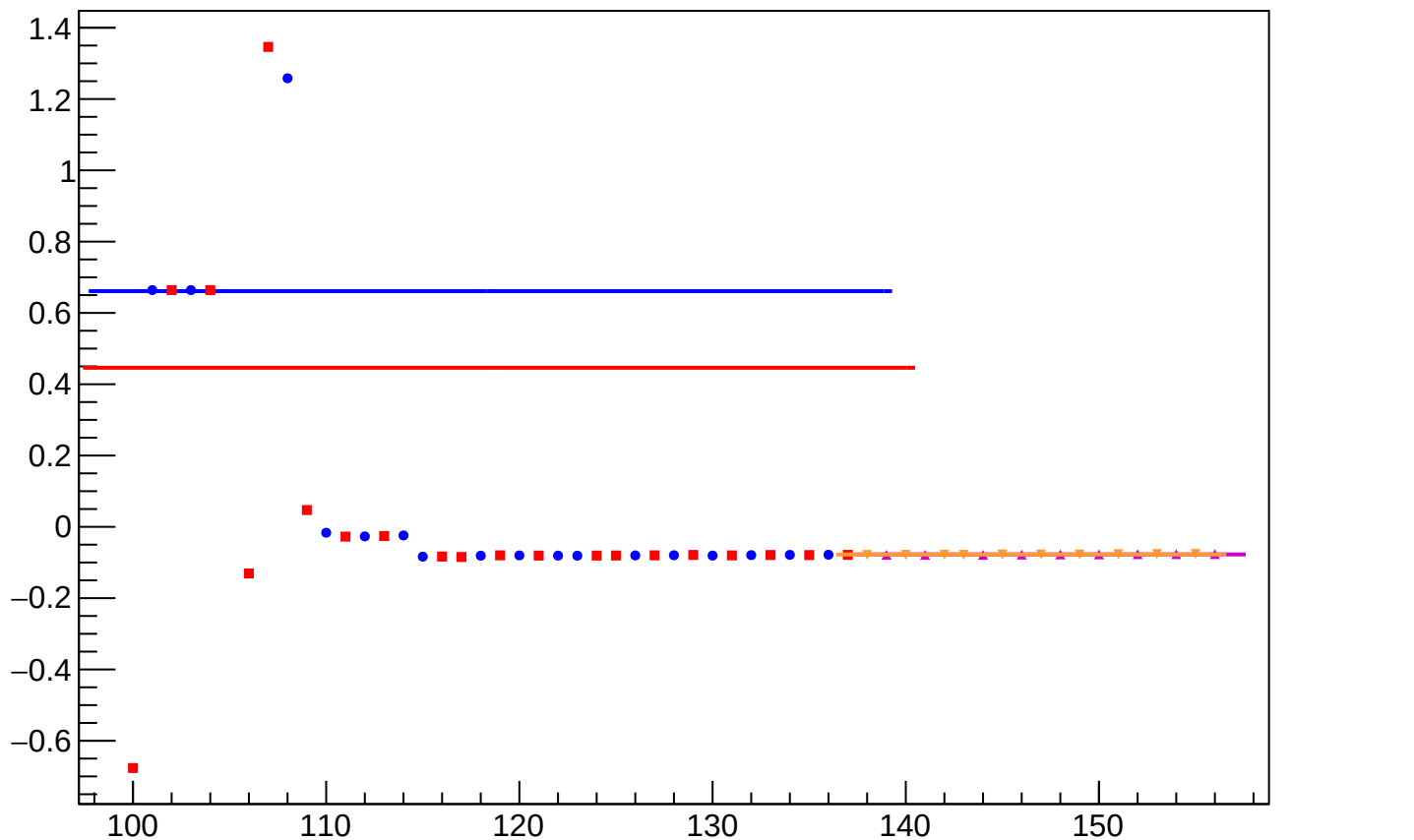
Left In: 0.009+/-0.000 χ^2/NDF : 470316.2/8

0.000+/-0.000 χ^2/NDF : 19324630.0/26

0.000+/-0.000 χ^2/NDF : 39648112.8/55

0.000+/-0.000 χ^2/NDF : 20322689.3/28

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.661+/-0.000 χ^2/NDF : 5607525081216.0/16

Left Out: -0.078+/-0.000 χ^2/NDF : 18588272.2/9

Right Out: 0.446+/-0.000 χ^2/NDF : 405423069582977.9/19

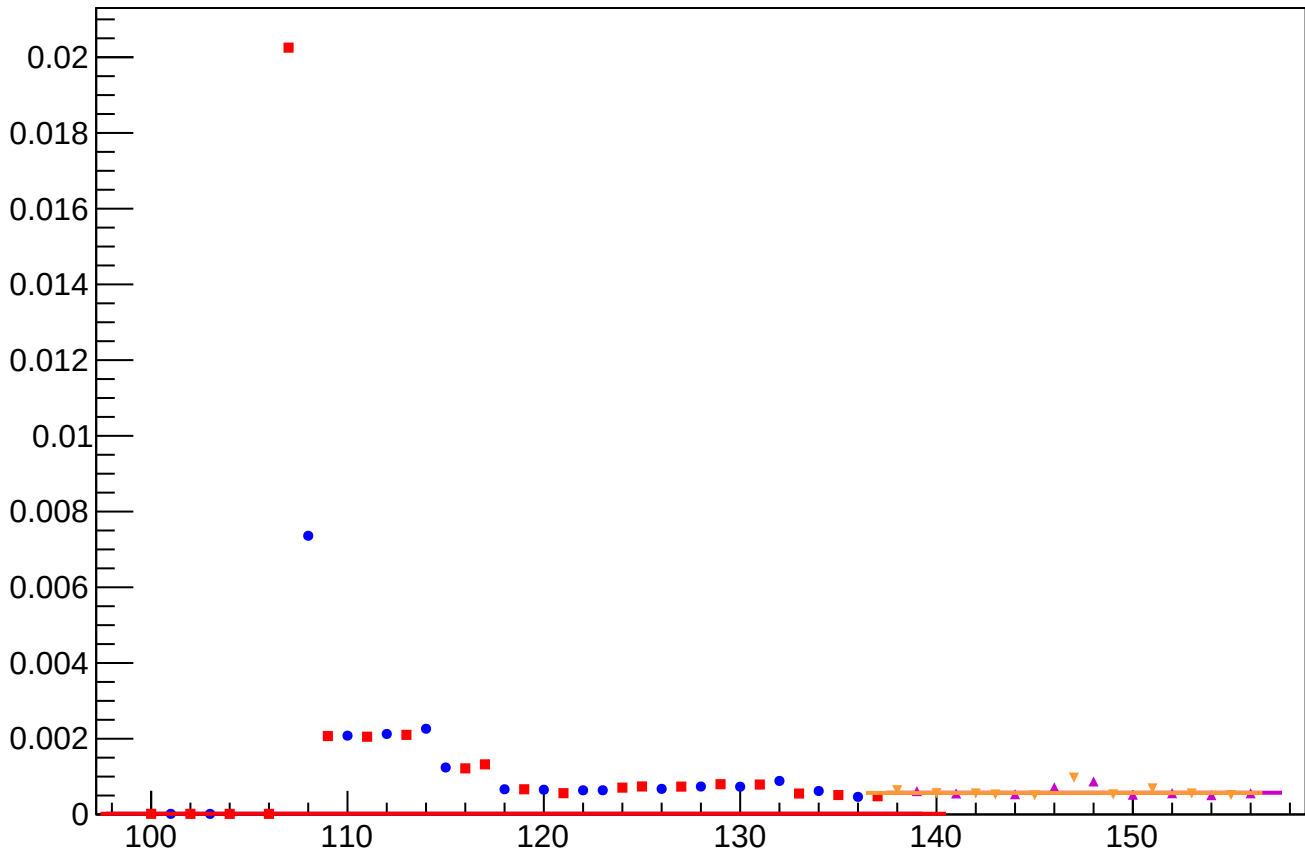
Left In: -0.077+/-0.000 χ^2/NDF : 14851429.4/8

0.655+/-0.000 χ^2/NDF : 17038838397587.5/26

0.544+/-0.000 χ^2/NDF : 49041627821675

0.442+/-0.000 χ^2/NDF : 411184341881769.6/28

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9874012.7/16

Left Out: 0.001+/-0.000 χ^2/NDF : 378616.9/9

Right Out: 0.000+/-0.000 χ^2/NDF : 9555089.8/19

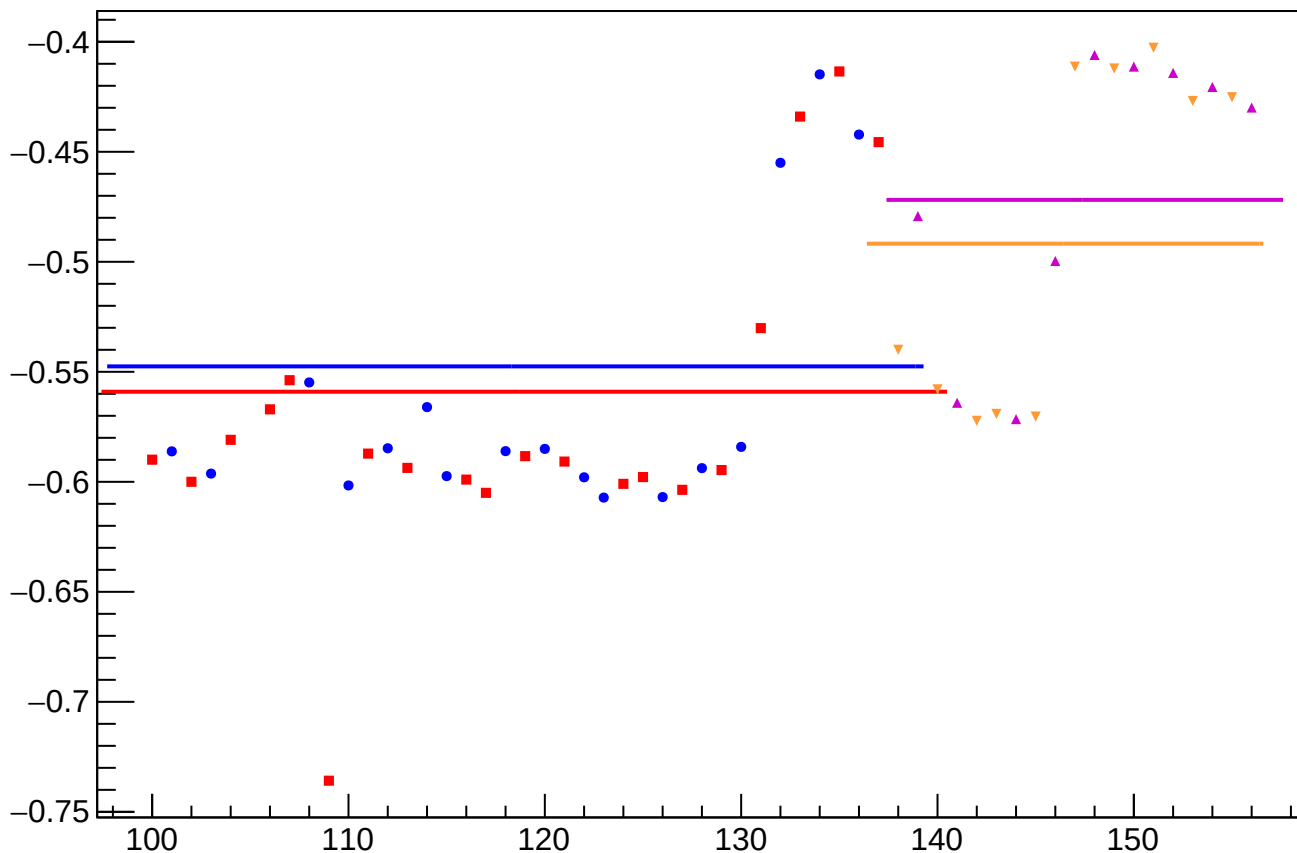
Left In: 0.001+/-0.000 χ^2/NDF : 301521.0/8

0.000+/-0.000 χ^2/NDF : 22946782.2/26

0.000+/-0.000 χ^2/NDF : 45752204.5/55

0.000+/-0.000 χ^2/NDF : 22805027.0/28

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.548+/-0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.492+/-0.000 χ^2/NDF : 80403821.0/9

Right Out: -0.559+/-0.000 χ^2/NDF : 65389755.0/19

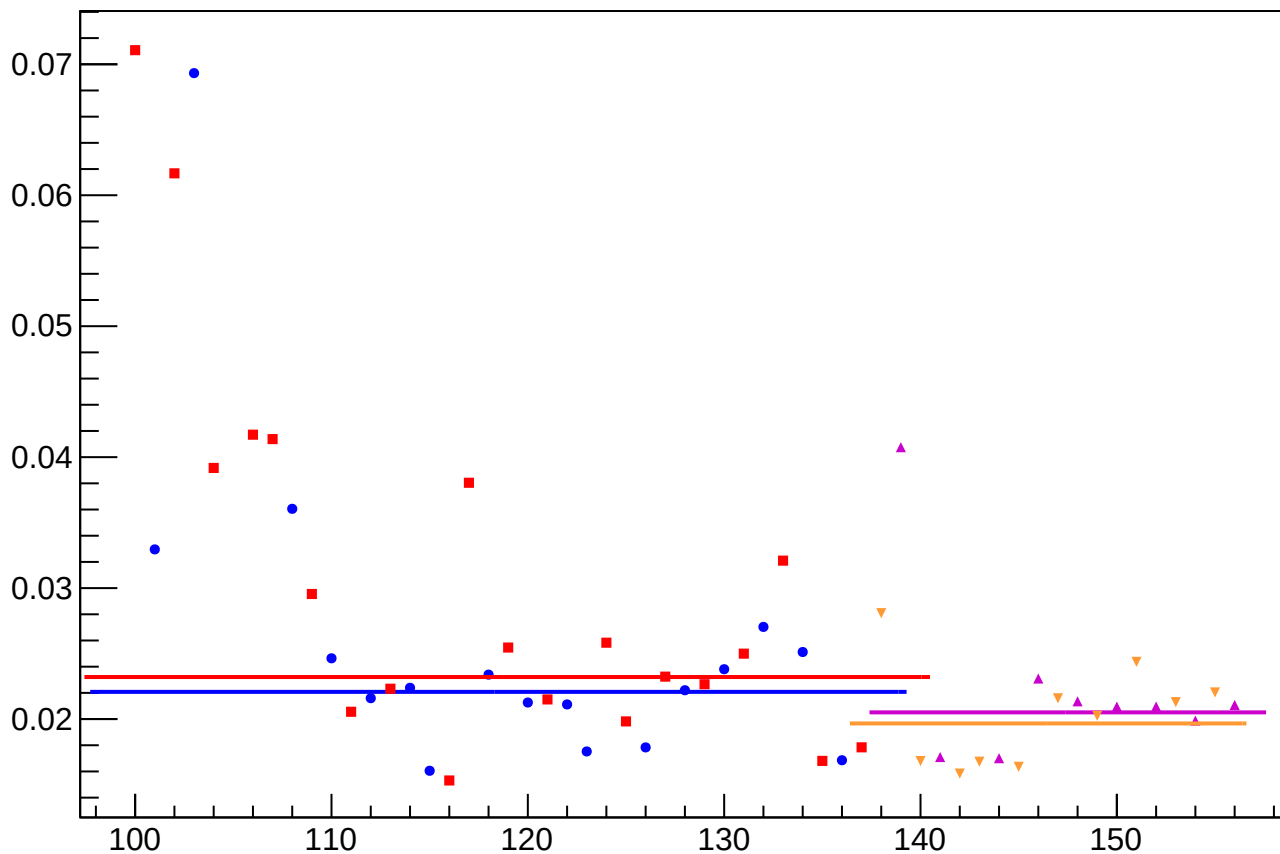
Left In: -0.472+/-0.000 χ^2/NDF : 63669089.2/8

-0.515+/-0.000 χ^2/NDF : 147691120.6/26

-0.512+/-0.000 χ^2/NDF : 320894491.0/55

-0.509+/-0.000 χ^2/NDF : 172712868.1/28

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022 $\pm$ 0.000 χ^2/NDF : 954779.5/16

Left Out: 0.020 $\pm$ 0.000 χ^2/NDF : 328200.4/9

Right Out: 0.023 $\pm$ 0.000 χ^2/NDF : 1169013.8/19

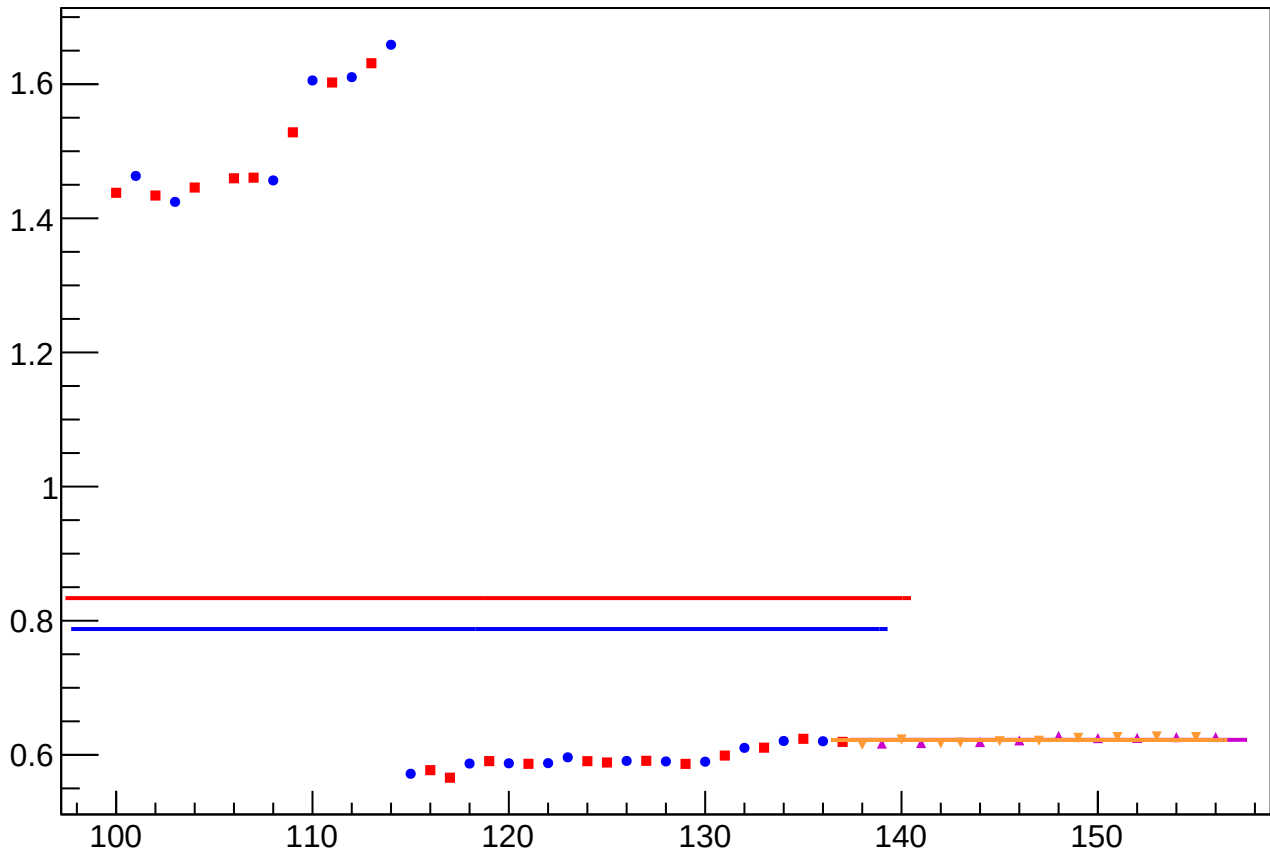
Left In: 0.021 $\pm$ 0.000 χ^2/NDF : 476384.5/8

0.021 $\pm$ 0.000 χ^2/NDF : 1353117.1/26

0.021 $\pm$ 0.000 χ^2/NDF : 3105285.4/55

0.022 $\pm$ 0.000 χ^2/NDF : 1729023.0/28

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.788+/-0.000 χ^2/NDF : 3581400502.4/16

Left Out: 0.622+/-0.000 χ^2/NDF : 778783.3/9

Right Out: 0.834+/-0.000 χ^2/NDF : 4155673215.9/19

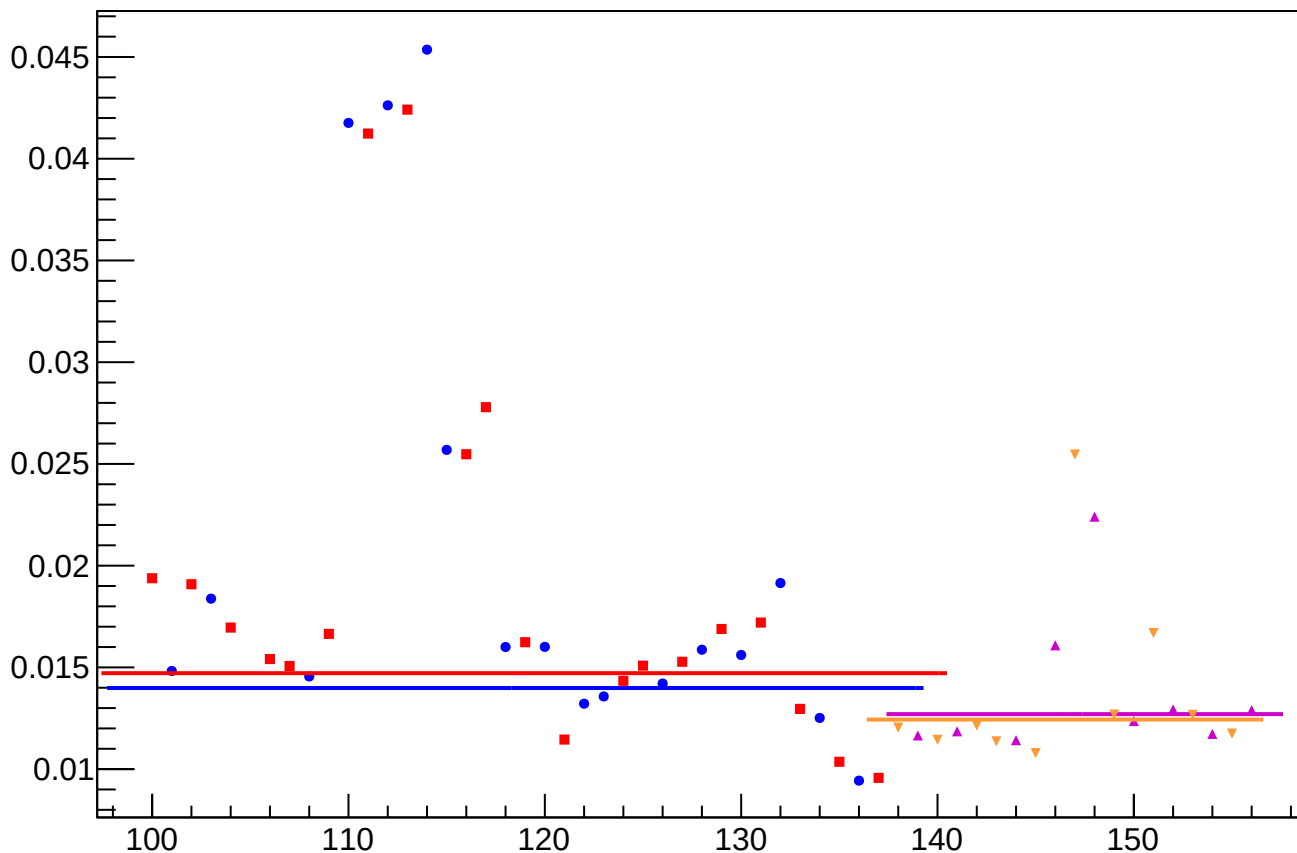
Left In: 0.622+/-0.000 χ^2/NDF : 680152.6/8

0.688+/-0.000 χ^2/NDF : 4057762962.3/26

0.697+/-0.000 χ^2/NDF : 8979898389.3/55

0.706+/-0.000 χ^2/NDF : 4910370522.0/28

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1398505.7/16

Left Out: 0.012+/-0.000 χ^2/NDF : 547599.9/9

Right Out: 0.015+/-0.000 χ^2/NDF : 1275472.3/19

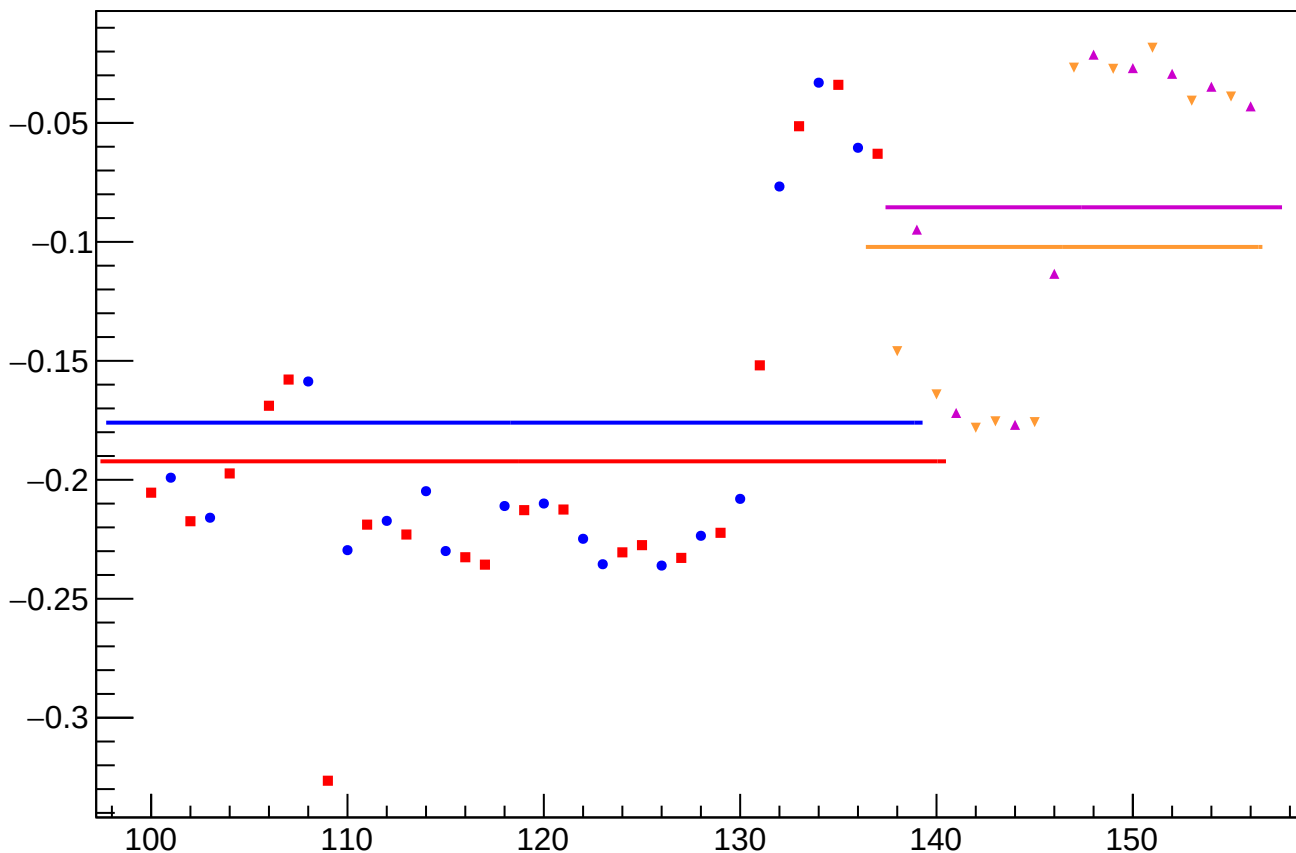
Left In: 0.013+/-0.000 χ^2/NDF : 403320.4/8

0.013+/-0.000 χ^2/NDF : 2029483.0/26

0.013+/-0.000 χ^2/NDF : 3859328.0/55

0.013+/-0.000 χ^2/NDF : 1815517.8/28

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.102+/-0.000 χ^2/NDF : 78036537.7/9

Right Out: -0.192+/-0.000 χ^2/NDF : 83343025.0/19

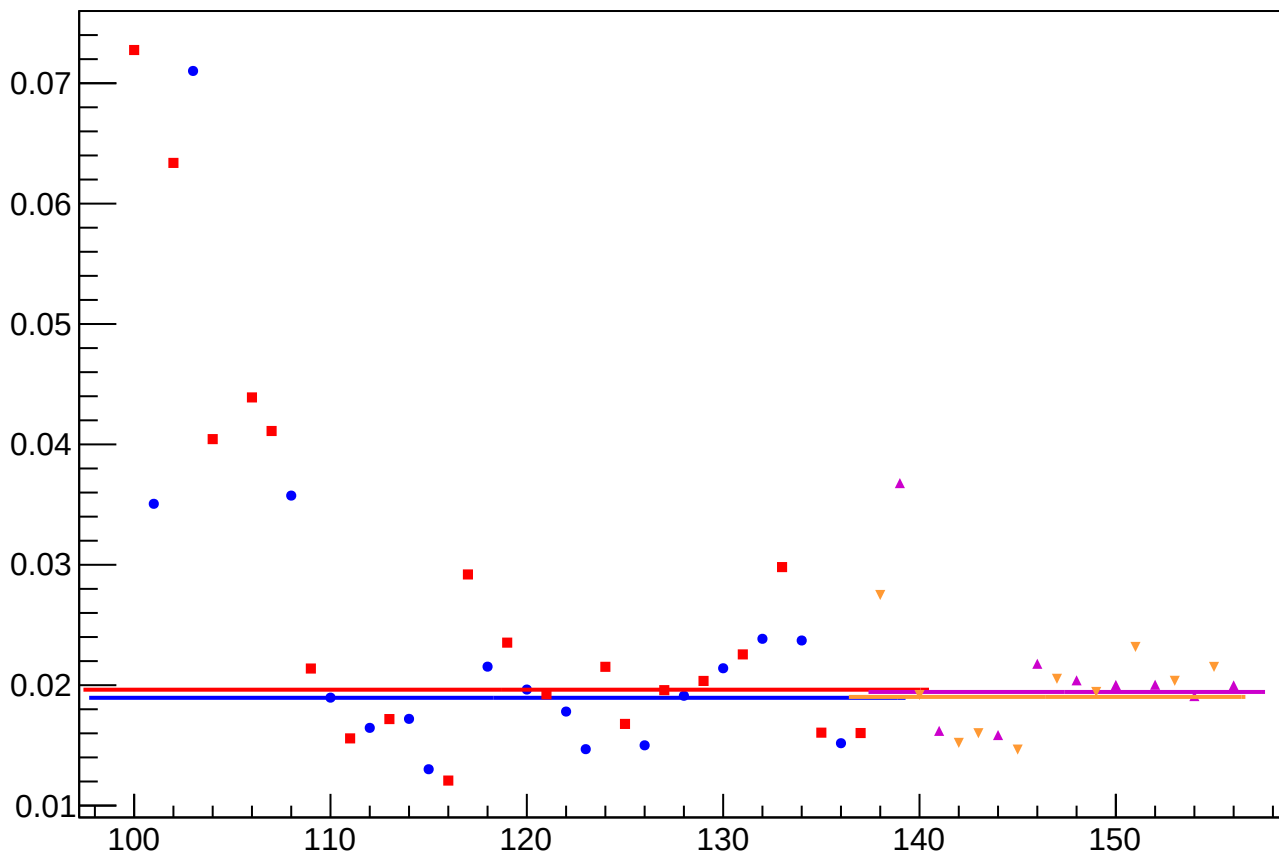
Left In: -0.085+/-0.000 χ^2/NDF : 64688231.6/8

-0.137+/-0.000 χ^2/NDF : 188135086.9/26

-0.136+/-0.000 χ^2/NDF : 417978111.5/55

-0.136+/-0.000 χ^2/NDF : 229828762.6/28

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1203275.7/16

Left Out: 0.019+/-0.000 χ^2/NDF : 358469.1/9

Right Out: 0.020+/-0.000 χ^2/NDF : 1463983.0/19

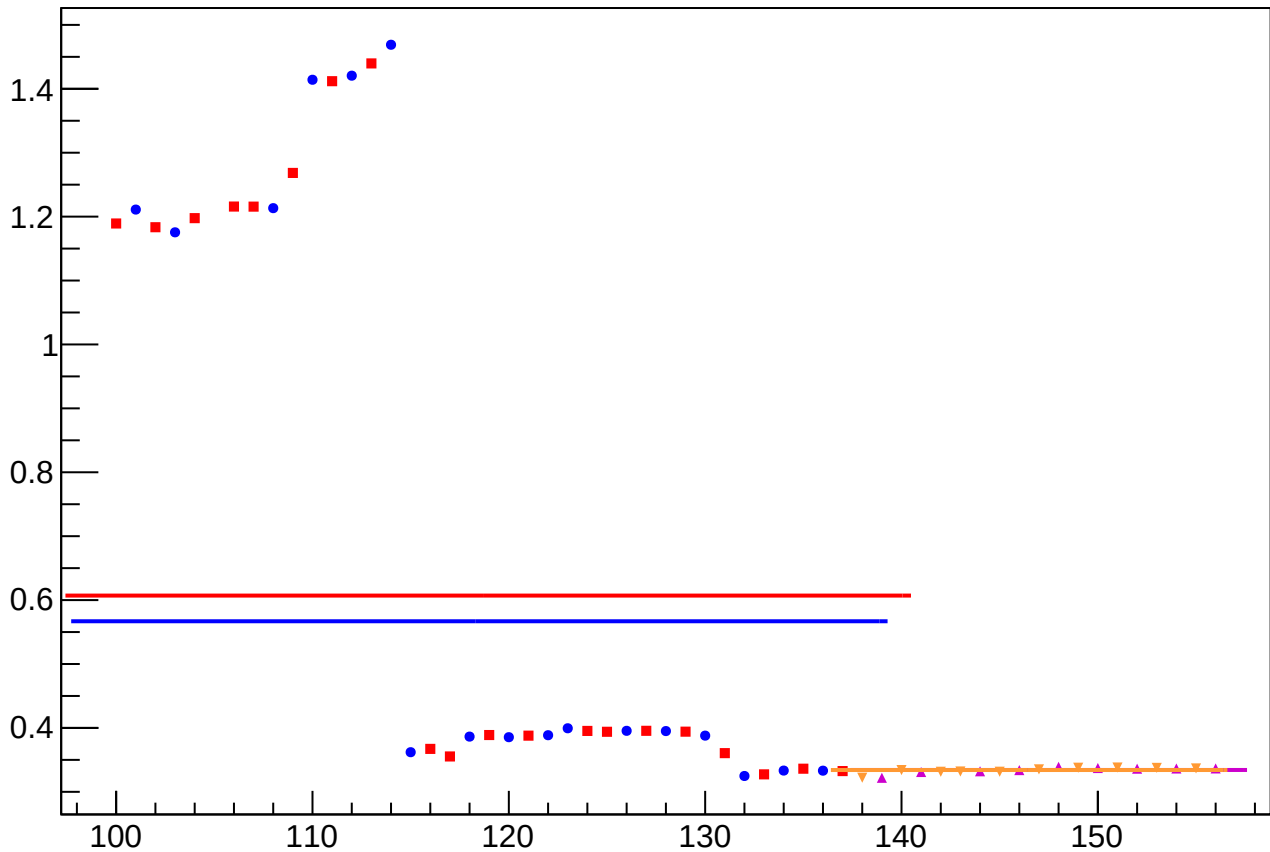
Left In: 0.019+/-0.000 χ^2/NDF : 453213.9/8

0.019+/-0.000 χ^2/NDF : 1561822.7/26

0.019+/-0.000 χ^2/NDF : 3487864.7/55

0.020+/-0.000 χ^2/NDF : 1917702.1/28

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.567 $\pm$ 0.000 χ^2 /NDF: 5016913731.3/16

Left Out: 0.334 $\pm$ 0.000 χ^2 /NDF:961073.7/9

Right Out: 0.607 $\pm$ 0.000 χ^2 /NDF: 5509130775.3/19

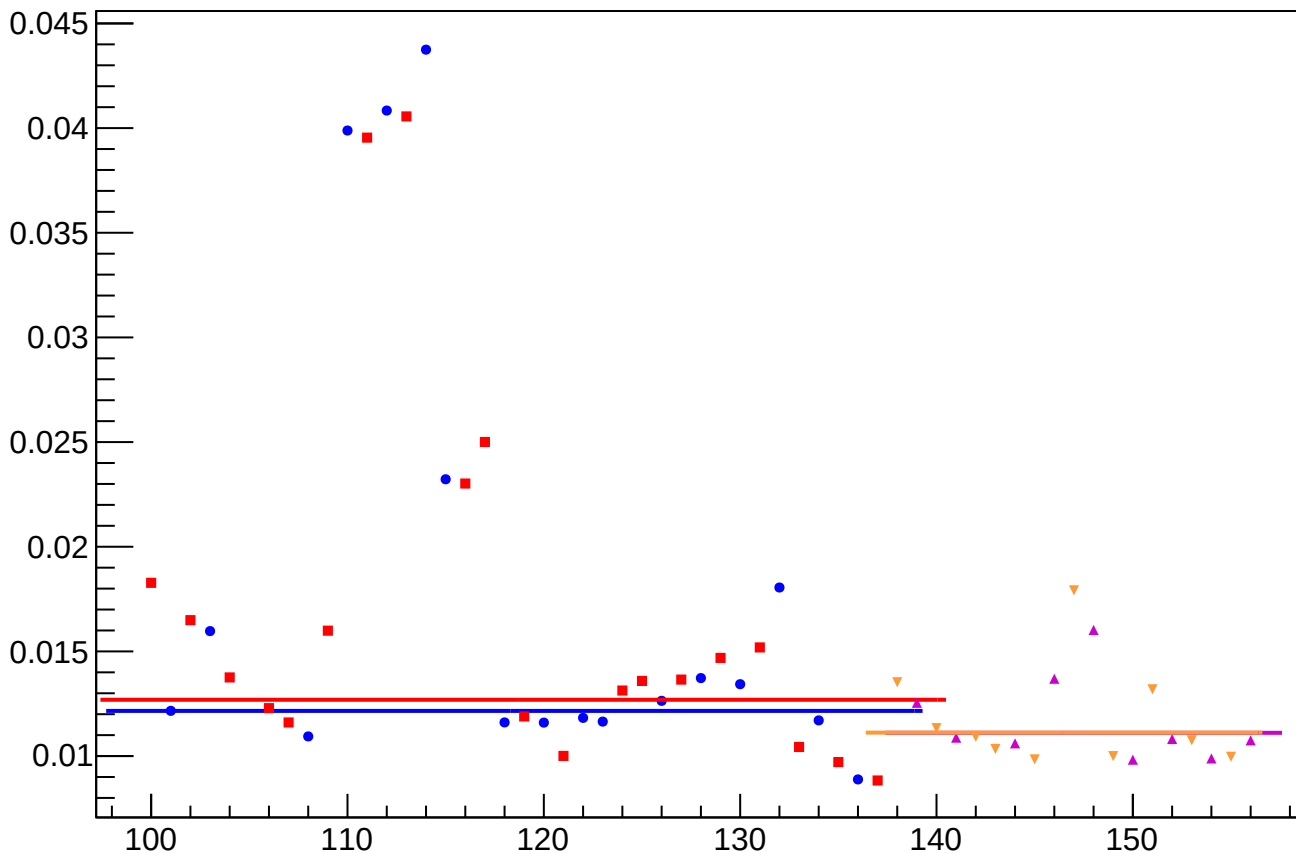
Left In: 0.334 $\pm$ 0.000 χ^2 /NDF:1037907.6/8

0.429 $\pm$ 0.000 χ^2 /NDF: 6236905068.3/26

0.435 $\pm$ 0.000 χ^2 /NDF: 13411317102.5/5

0.442 $\pm$ 0.000 χ^2 /NDF: 7166458396.1/28

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012 ± 0.000 χ^2/NDF : 1307948.2/16

Left Out: 0.011 ± 0.000 χ^2/NDF : 371089.3/9

Right Out: 0.013 ± 0.000 χ^2/NDF : 1285911.2/19

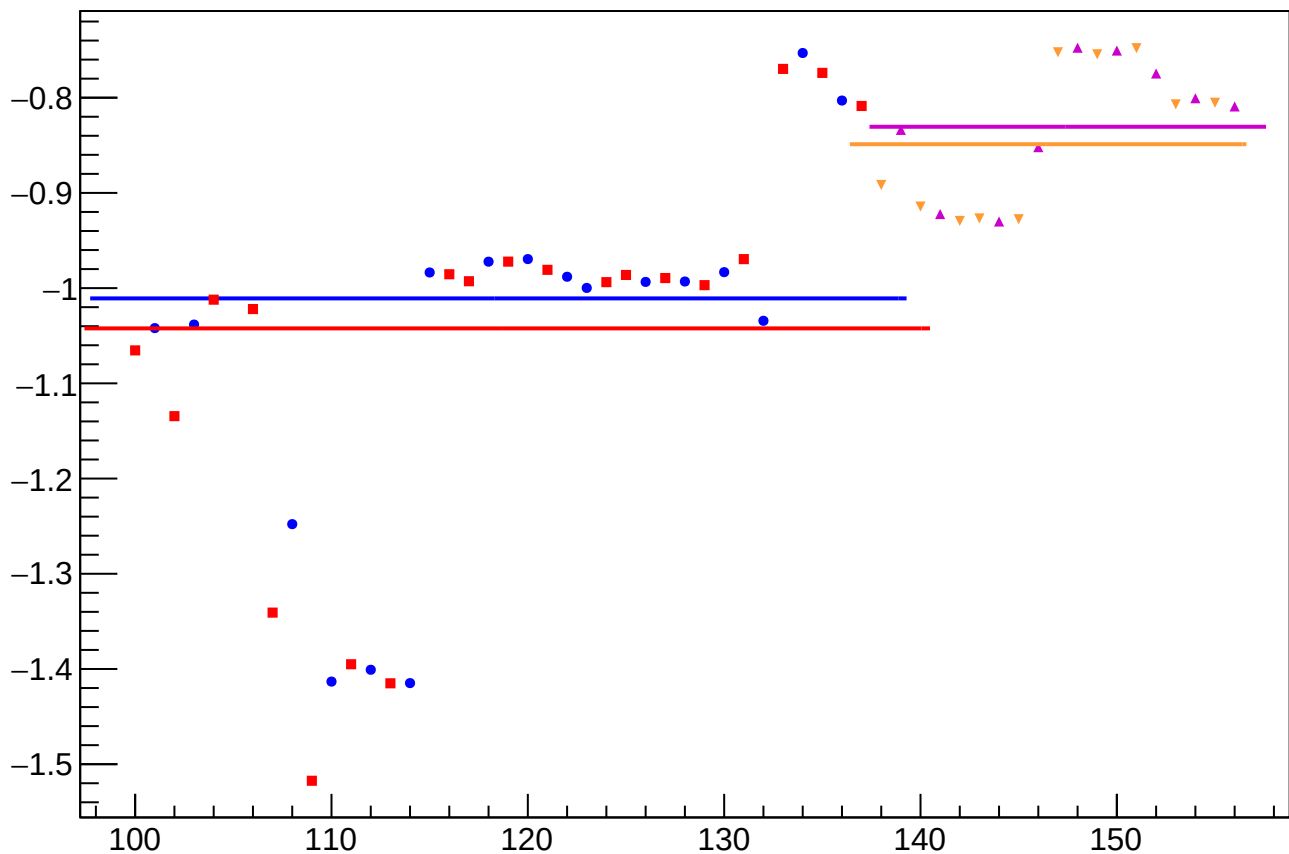
Left In: 0.011 ± 0.000 χ^2/NDF : 278394.2/8

0.012 ± 0.000 χ^2/NDF : 1727412.9/26

0.012 ± 0.000 χ^2/NDF : 3406076.5/55

0.012 ± 0.000 χ^2/NDF : 1675253.4/28

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.011+/-0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.849+/-0.000 χ^2/NDF : 88016724.0/9

Right Out: -1.042+/-0.000 χ^2/NDF : 529028760.6/19

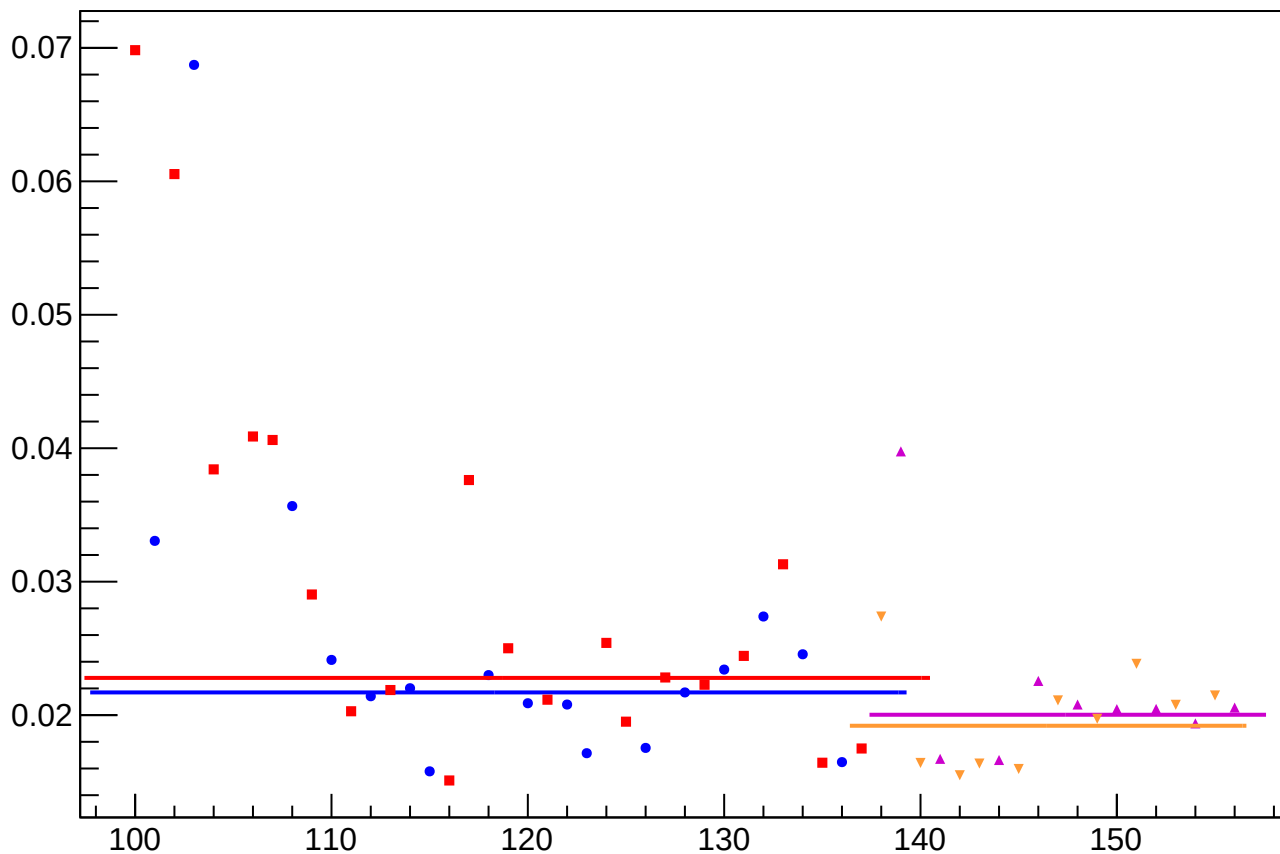
Left In: -0.831+/-0.000 χ^2/NDF : 69188275.7/8

-0.916+/-0.000 χ^2/NDF : 639469777.0/26

-0.918+/-0.000 χ^2/NDF : 1505922223.6/50

-0.919+/-0.000 χ^2/NDF : 866311406.6/28

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 979293.5/16

Left Out: 0.019+/-0.000 χ^2/NDF : 326732.3/9

Right Out: 0.023+/-0.000 χ^2/NDF : 1164870.4/19

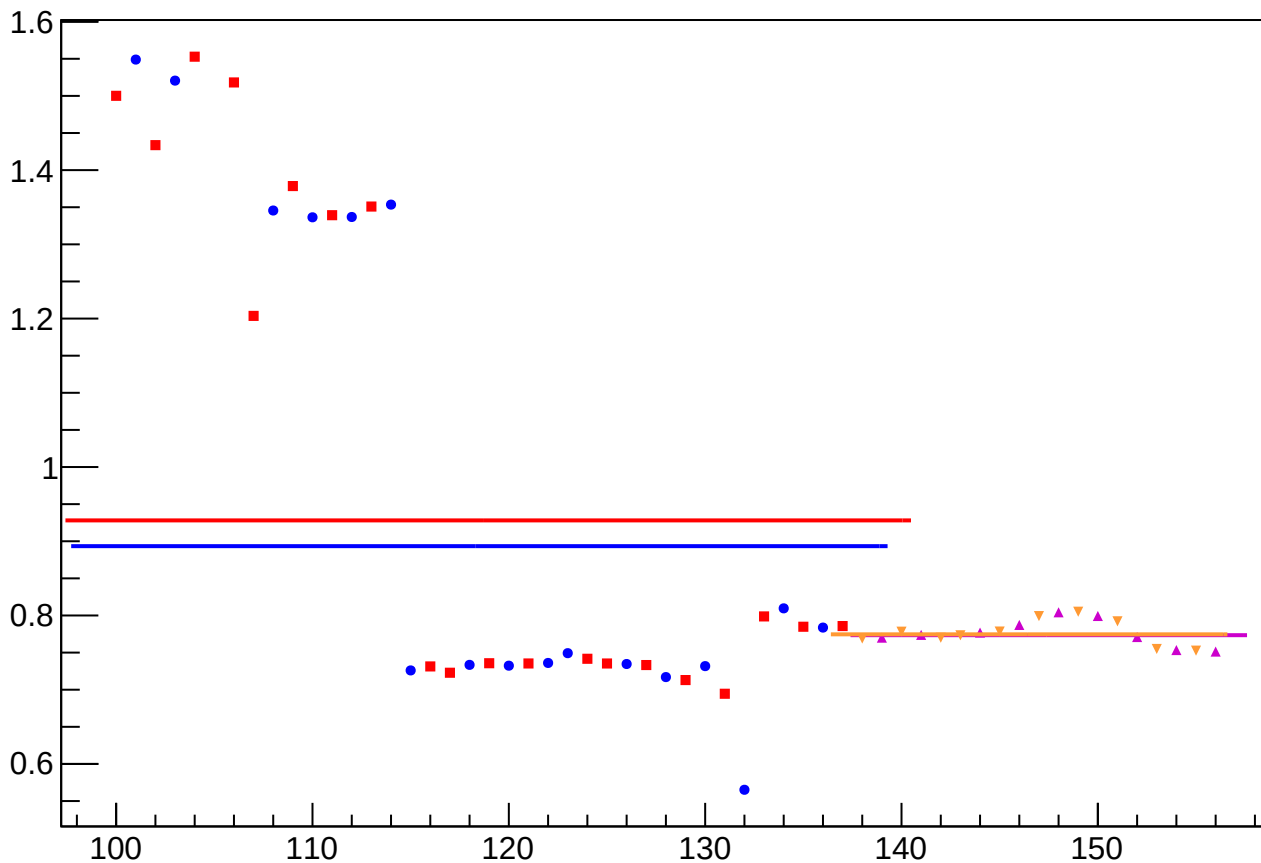
Left In: 0.020+/-0.000 χ^2/NDF : 473940.7/8

0.020+/-0.000 χ^2/NDF : 1384212.7/26

0.021+/-0.000 χ^2/NDF : 3136753.5/55

0.021+/-0.000 χ^2/NDF : 1729957.1/28

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

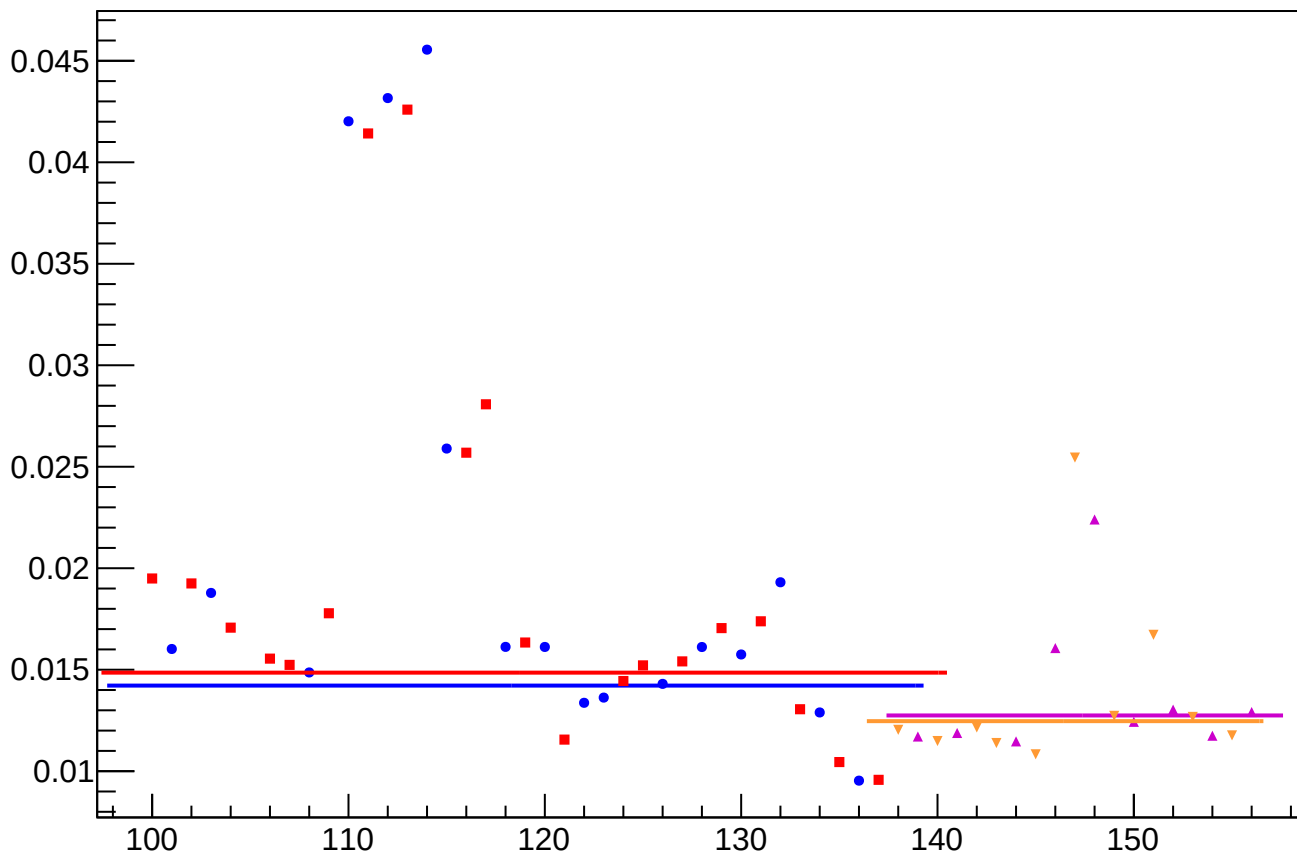
Left In: 0.773 $\pm$ 0.000 χ^2/NDF : 10536524.4/8

0.821 $\pm$ 0.000 χ^2/NDF : 2658062421.2/26

0.827 $\pm$ 0.000 χ^2/NDF : 5509689284.5/55

0.834 $\pm$ 0.000 χ^2/NDF : 2845490528.5/28

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1409594.2/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:544066.1/9

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1286513.9/19

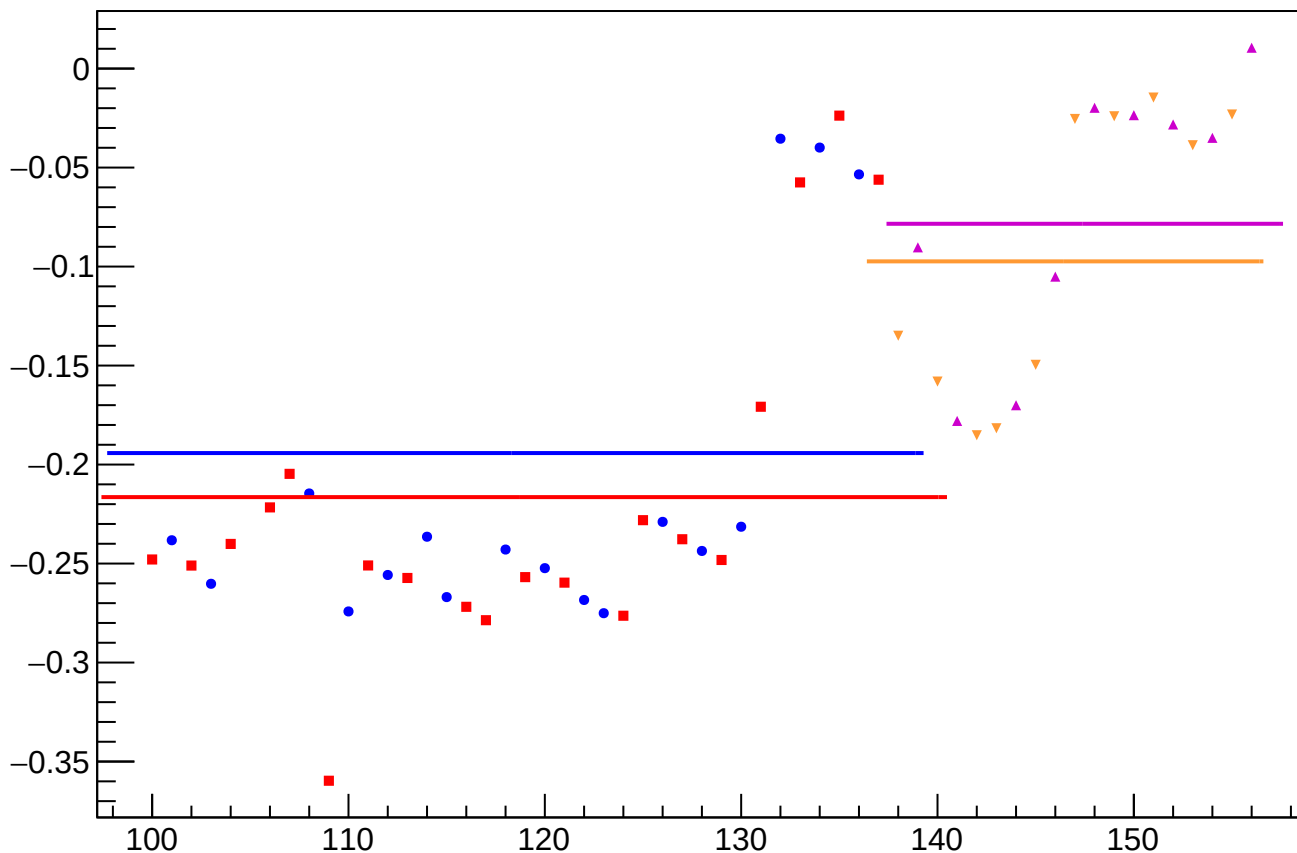
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:398893.1/8

0.013 $\pm$ 0.000 χ^2 /NDF: 2057665.7/26

0.013 $\pm$ 0.000 χ^2 /NDF: 3903664.5/55

0.014 $\pm$ 0.000 χ^2 /NDF: 1833233.6/28

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.194+/-0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.097+/-0.000 χ^2/NDF : 76603105.7/9

Right Out: -0.216+/-0.000 χ^2/NDF : 111217219.2/19

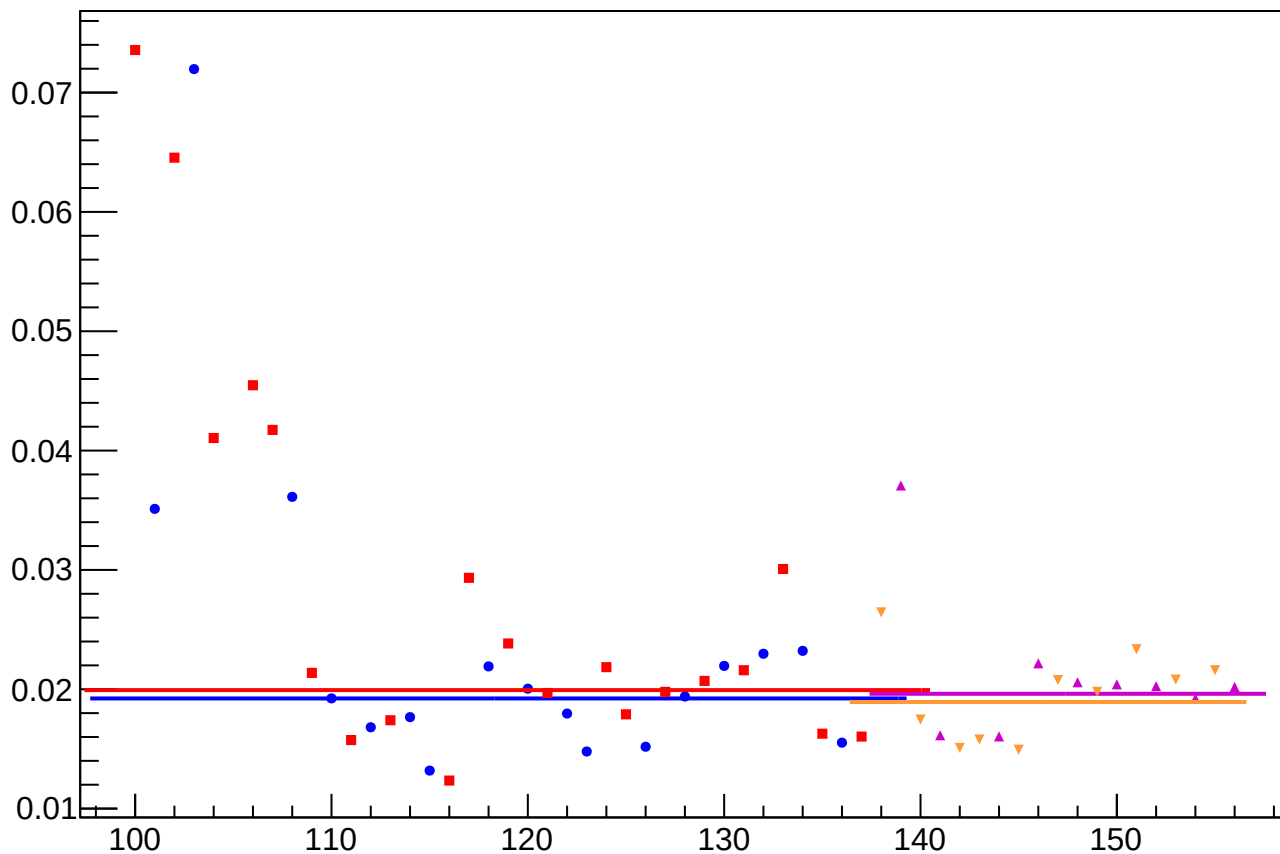
Left In: -0.078+/-0.000 χ^2/NDF : 74775009.9/8

-0.142+/-0.000 χ^2/NDF : 252780935.8/26

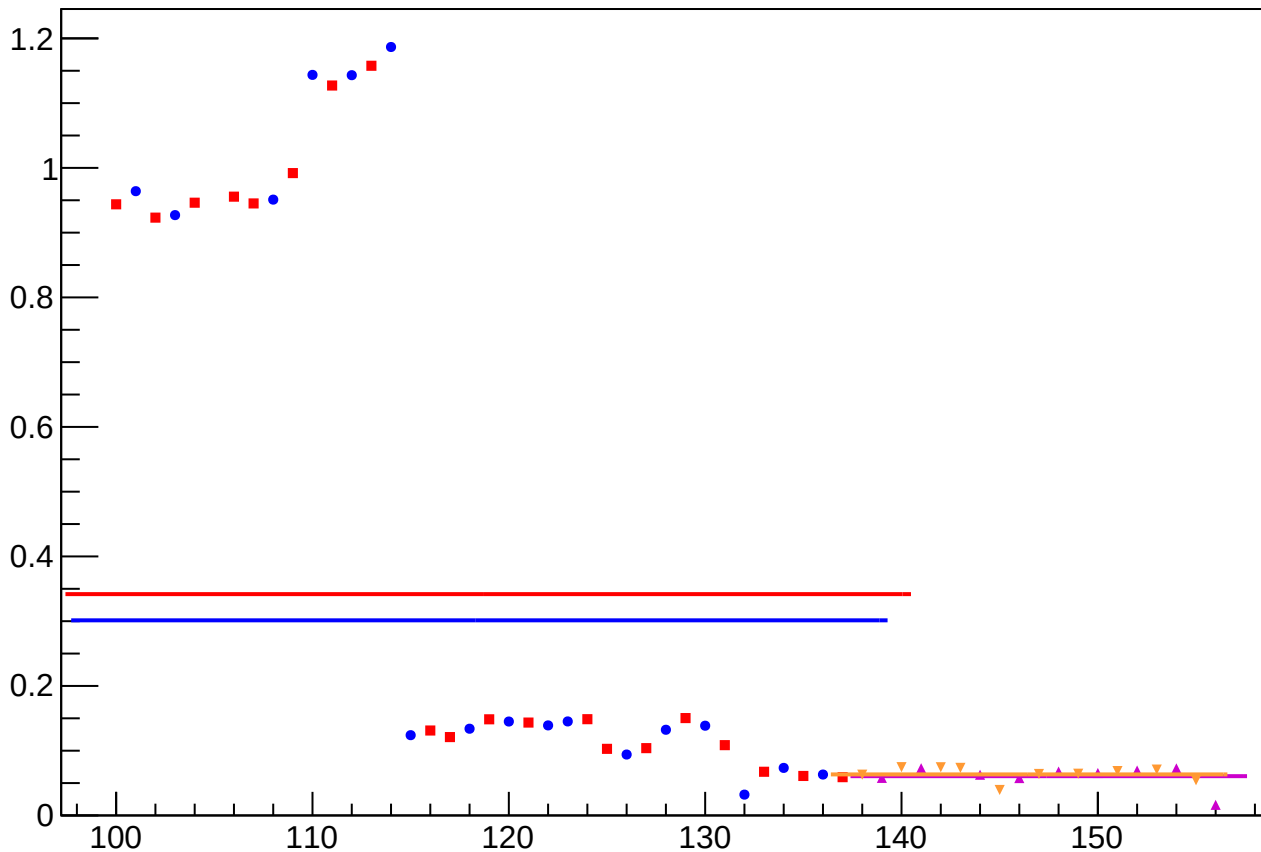
-0.142+/-0.000 χ^2/NDF : 572011610.1/55

-0.143+/-0.000 χ^2/NDF : 319219051.4/28

yield_bpm4ecX_rms vs Slug, Sign Corrected



yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.301 $\pm$ 0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.063 $\pm$ 0.000 χ^2/NDF : 7436720.5/9

Right Out: 0.342 $\pm$ 0.000 χ^2/NDF : 5445885893.4/19

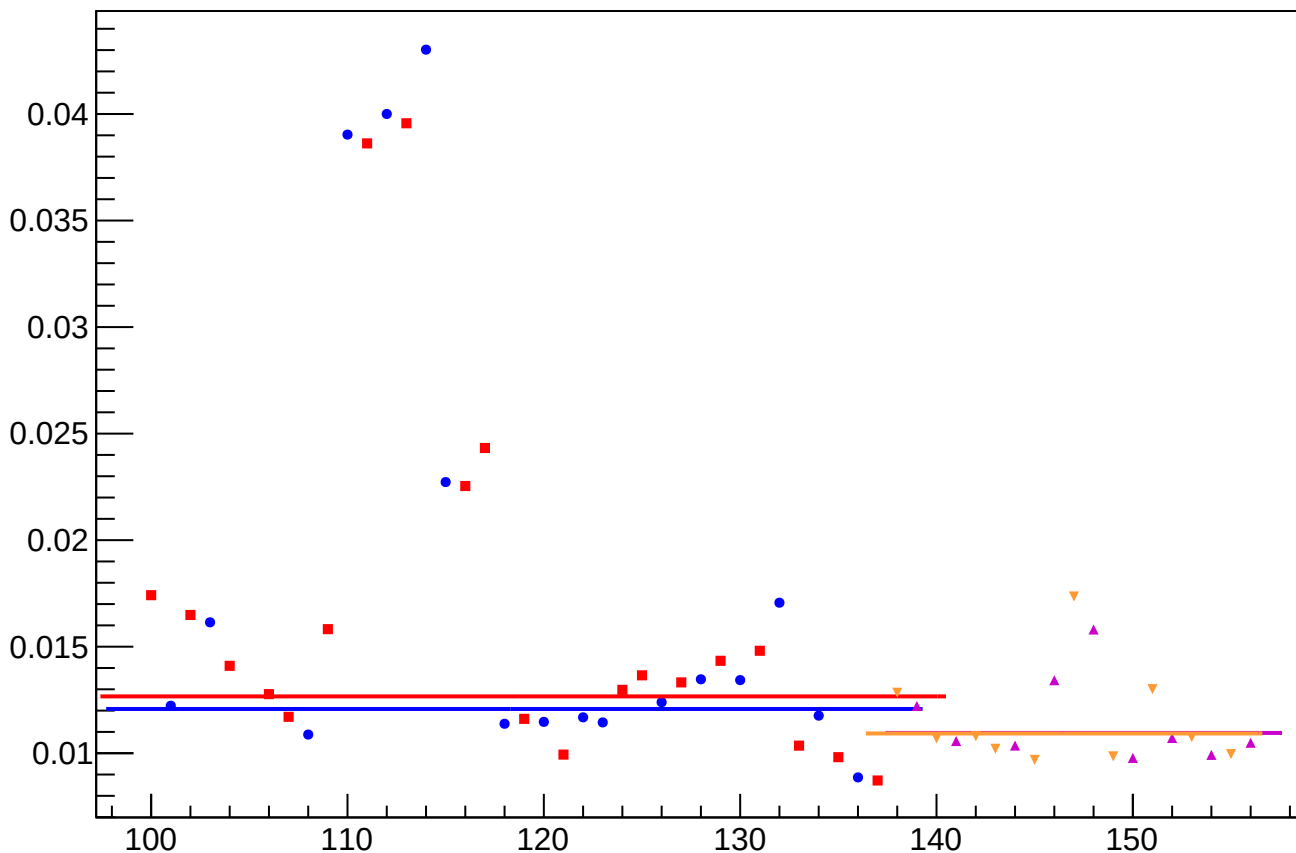
Left In: 0.061 $\pm$ 0.000 χ^2/NDF : 17018314.7/8

0.159 $\pm$ 0.000 χ^2/NDF : 6466230051.4/26

0.164 $\pm$ 0.000 χ^2/NDF : 13717787971.7/5

0.170 $\pm$ 0.000 χ^2/NDF : 7245810857.7/28

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1280342.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:338910.1/9

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1253755.7/19

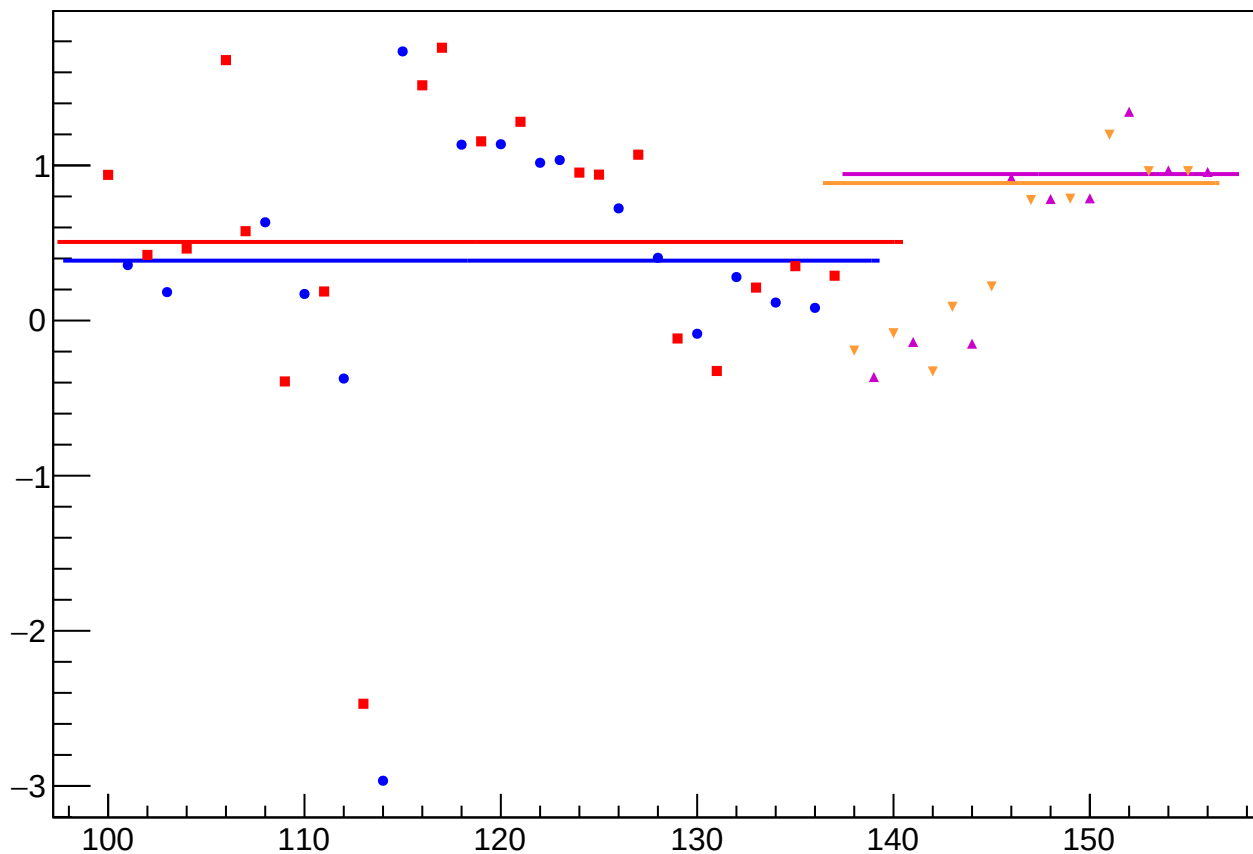
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:265047.5/8

0.011 $\pm$ 0.000 χ^2 /NDF: 1680133.8/26

0.012 $\pm$ 0.000 χ^2 /NDF: 3336723.3/55

0.012 $\pm$ 0.000 χ^2 /NDF: 1651559.2/28

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.386 $\pm$ 0.000 χ^2 /NDF: 246380221.7/16

Left Out: 0.886 $\pm$ 0.000 χ^2 /NDF: 685161322.5/9

Right Out: 0.507 $\pm$ 0.000 χ^2 /NDF: 995373603.6/19

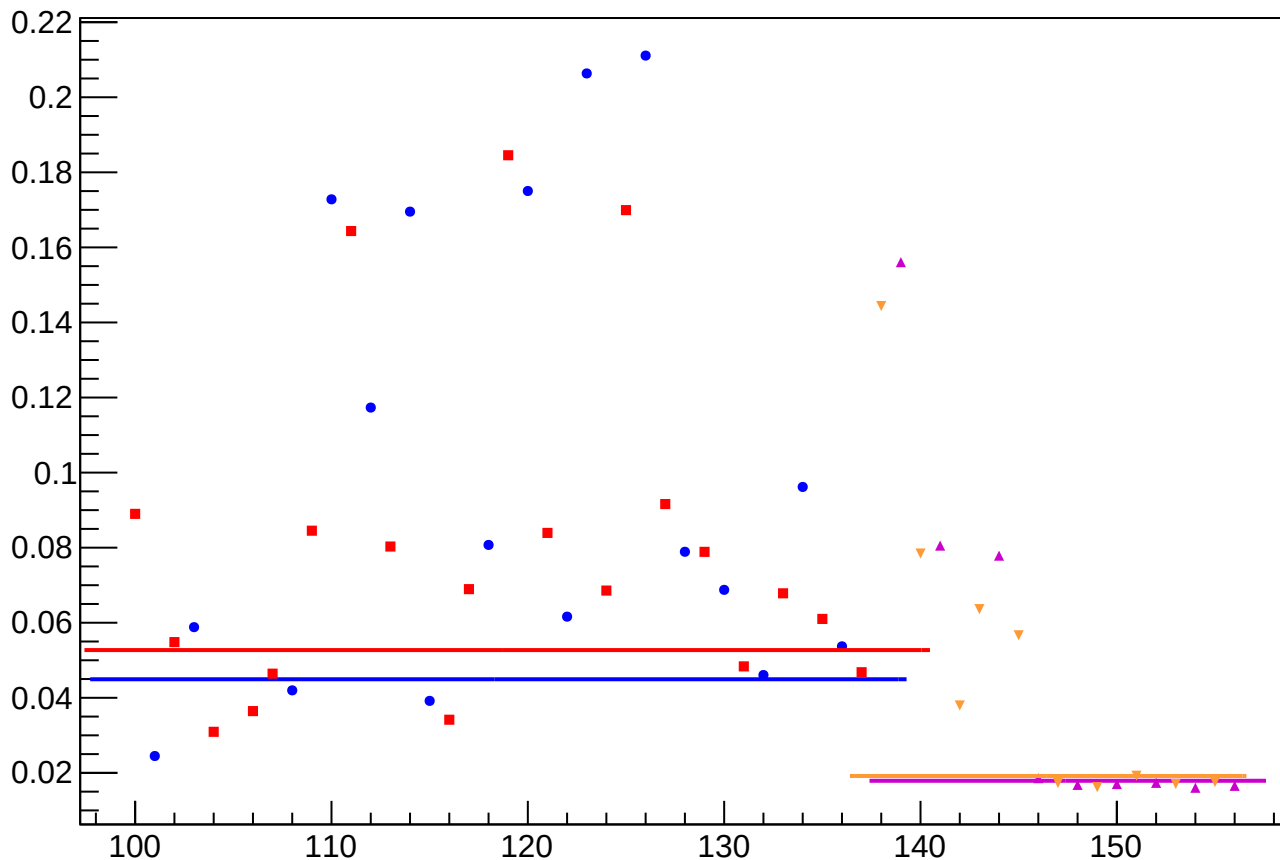
Left In: 0.944 $\pm$ 0.000 χ^2 /NDF: 748134280.3/8

0.823 $\pm$ 0.000 χ^2 /NDF: 1313187506.1/26

0.867 $\pm$ 0.000 χ^2 /NDF: 3365272719.1/55

0.904 $\pm$ 0.000 χ^2 /NDF: 2003470705.6/28

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045 ± 0.000 $\chi^2/\text{NDF}: 2788348.6/16$

Left Out: 0.019 ± 0.000 $\chi^2/\text{NDF}: 2530899.6/9$

Right Out: 0.053 ± 0.000 $\chi^2/\text{NDF}: 2195781.8/19$

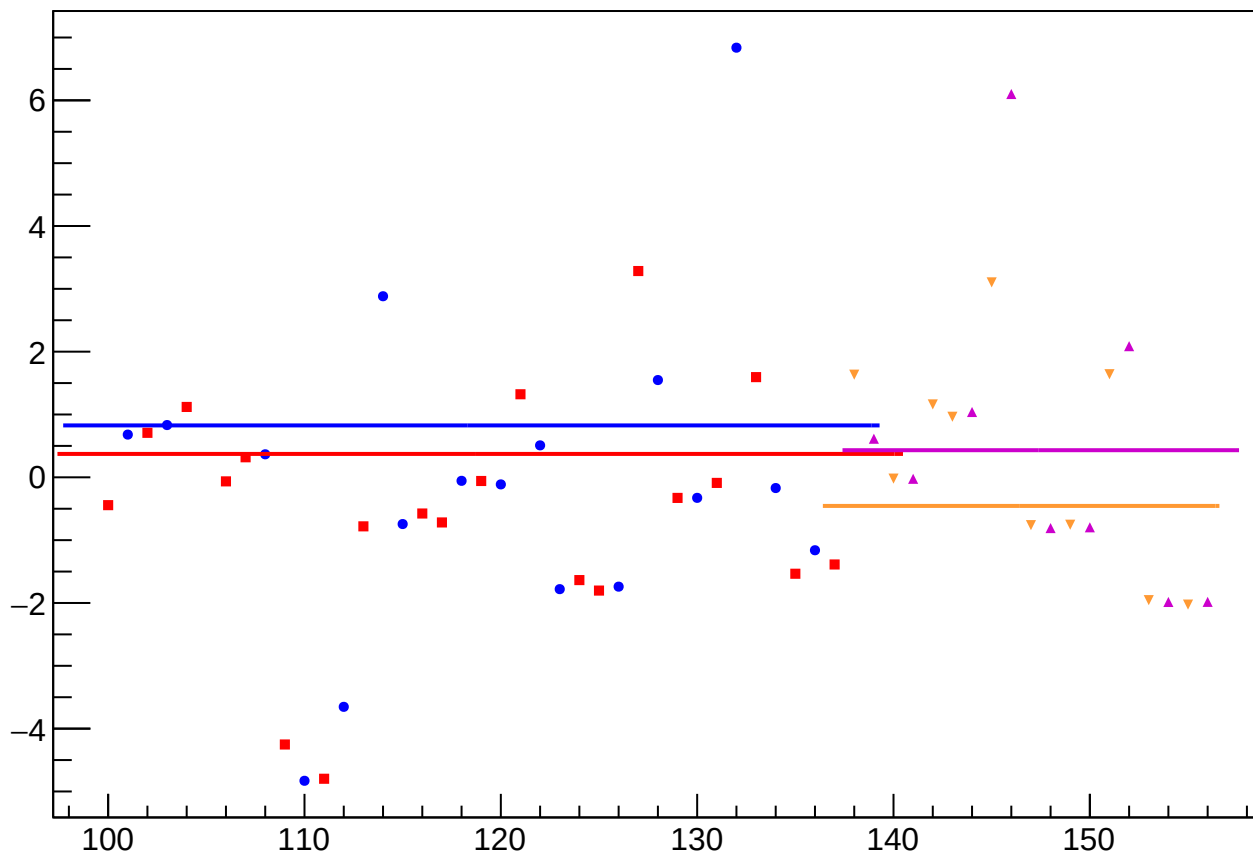
Left In: 0.018 ± 0.000 $\chi^2/\text{NDF}: 2246356.4/8$

0.022 ± 0.000 $\chi^2/\text{NDF}: 7346369.3/26$

0.022 ± 0.000 $\chi^2/\text{NDF}: 15106680.1/55$

0.021 ± 0.000 $\chi^2/\text{NDF}: 7734587.3/28$

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.826 $\pm$ 0.000 χ^2/NDF : 10945455664.9/16

Left Out: -0.455 $\pm$ 0.000 χ^2/NDF : 65761362839.0/9

Right Out: 0.372 $\pm$ 0.000 χ^2/NDF : 4960201861.0/19

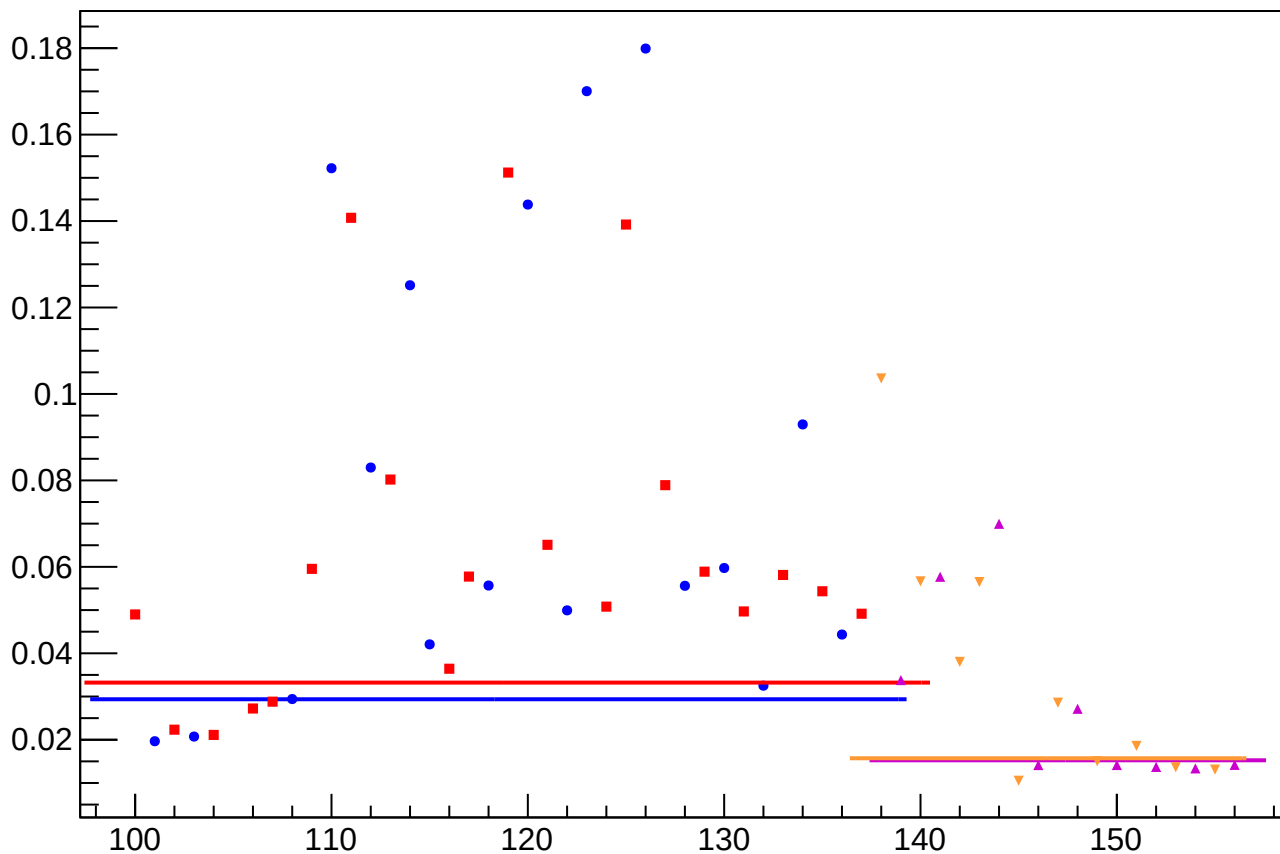
Left In: 0.432 $\pm$ 0.000 χ^2/NDF : 179808367291.3/8

-0.230 $\pm$ 0.000 χ^2/NDF : 82030573636.1/26

0.117 $\pm$ 0.000 χ^2/NDF : 271886215378.0/10

0.423 $\pm$ 0.000 χ^2/NDF : 184779176792.9/28

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029 $\pm$ 0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.016 $\pm$ 0.000 χ^2/NDF :2518399.6/9

Right Out: 0.033 $\pm$ 0.000 χ^2/NDF : 3112299.1/19

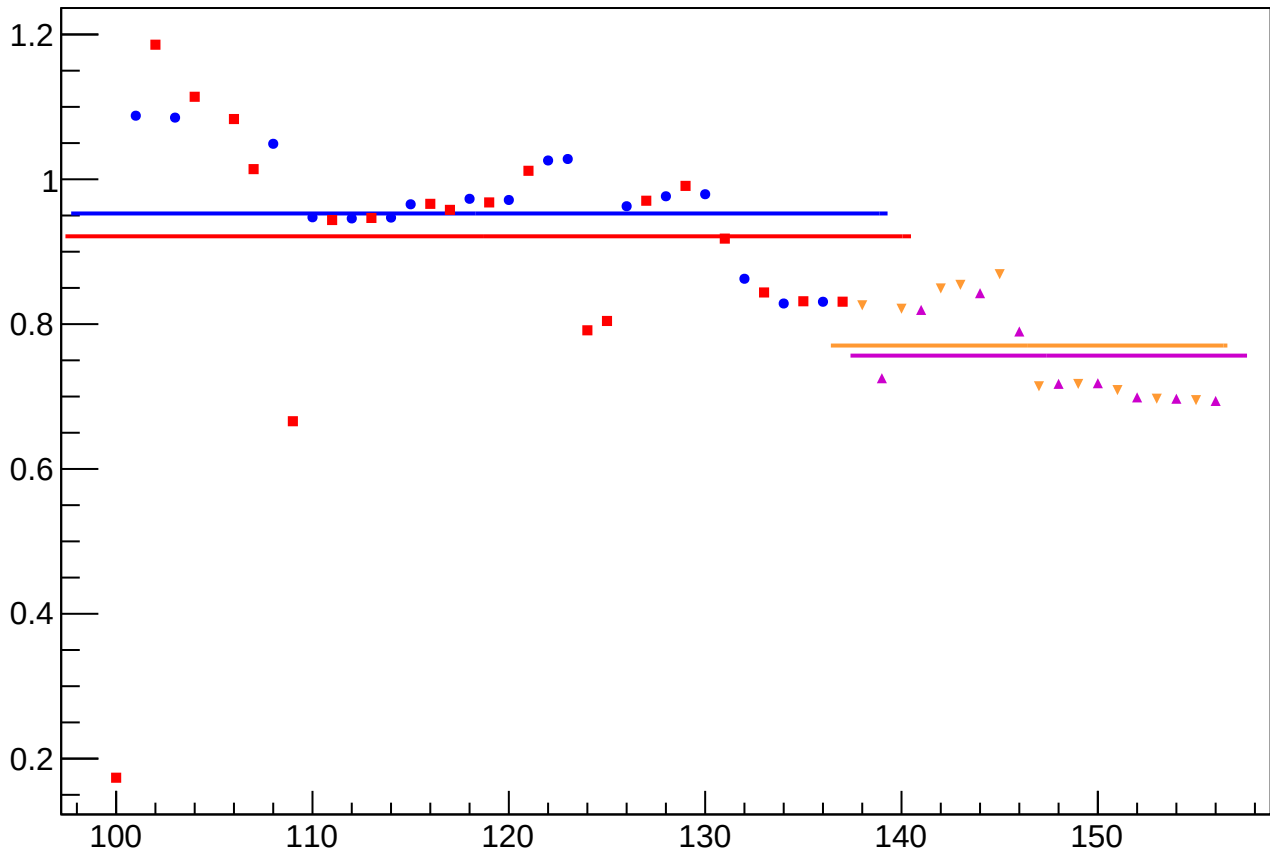
Left In: 0.015 $\pm$ 0.000 χ^2/NDF :1678547.5/8

0.018 $\pm$ 0.000 χ^2/NDF : 6714279.9/26

0.018 $\pm$ 0.000 χ^2/NDF : 13458815.7/55

0.018 $\pm$ 0.000 χ^2/NDF : 6741169.7/28

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.953+/-0.000 χ^2/NDF : 175750243.6/16

Left Out: 0.770+/-0.000 χ^2/NDF :190505762.4/9

Right Out: 0.921+/-0.000 χ^2/NDF : 374306248.8/19

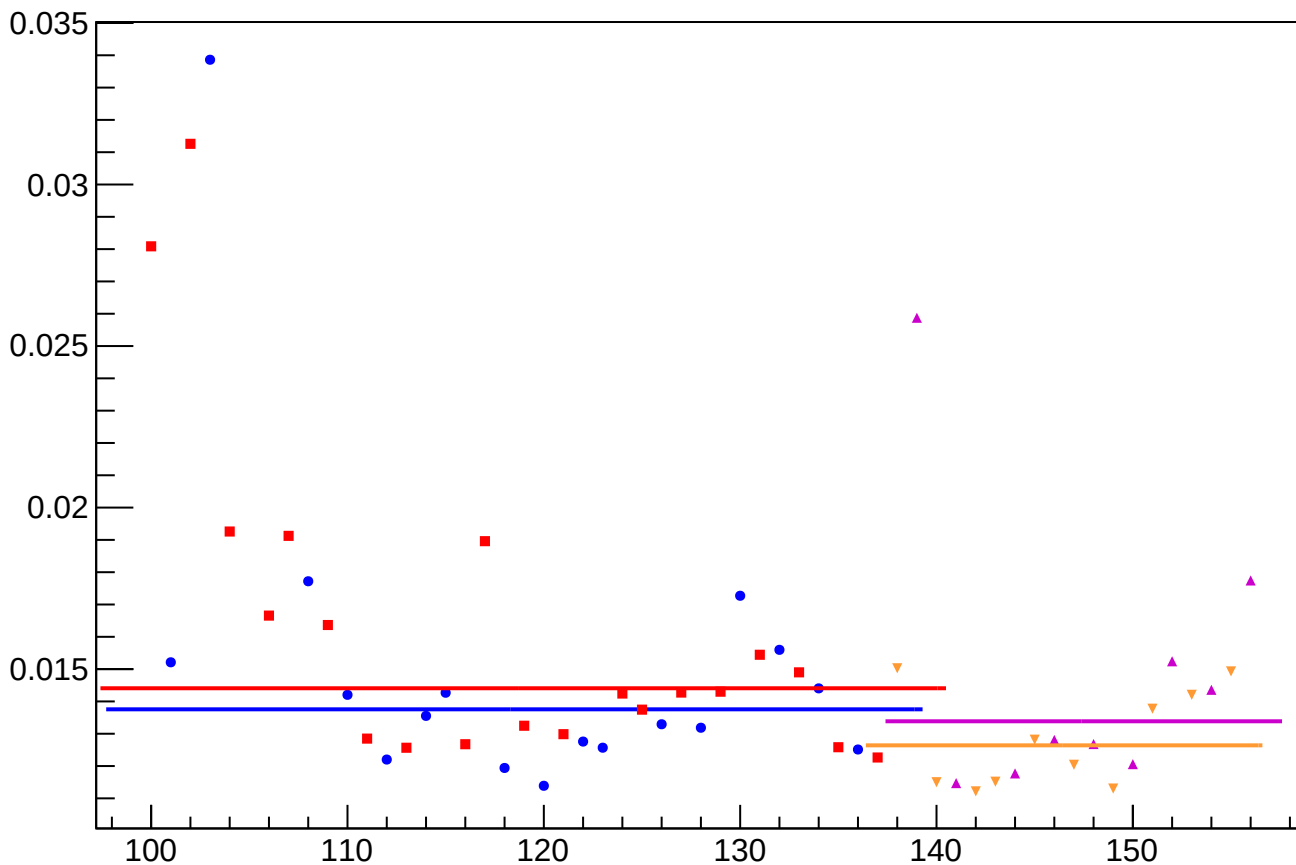
Left In: 0.757+/-0.000 χ^2/NDF :115615850.5/8

0.850+/-0.000 χ^2/NDF : 939239146.0/26

0.841+/-0.000 χ^2/NDF : 1877292585.8/55

0.831+/-0.000 χ^2/NDF : 926822530.8/28

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 538469.4/16

Left Out: 0.013 $\pm$ 0.000 χ^2/NDF :150659.8/9

Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 508622.9/19

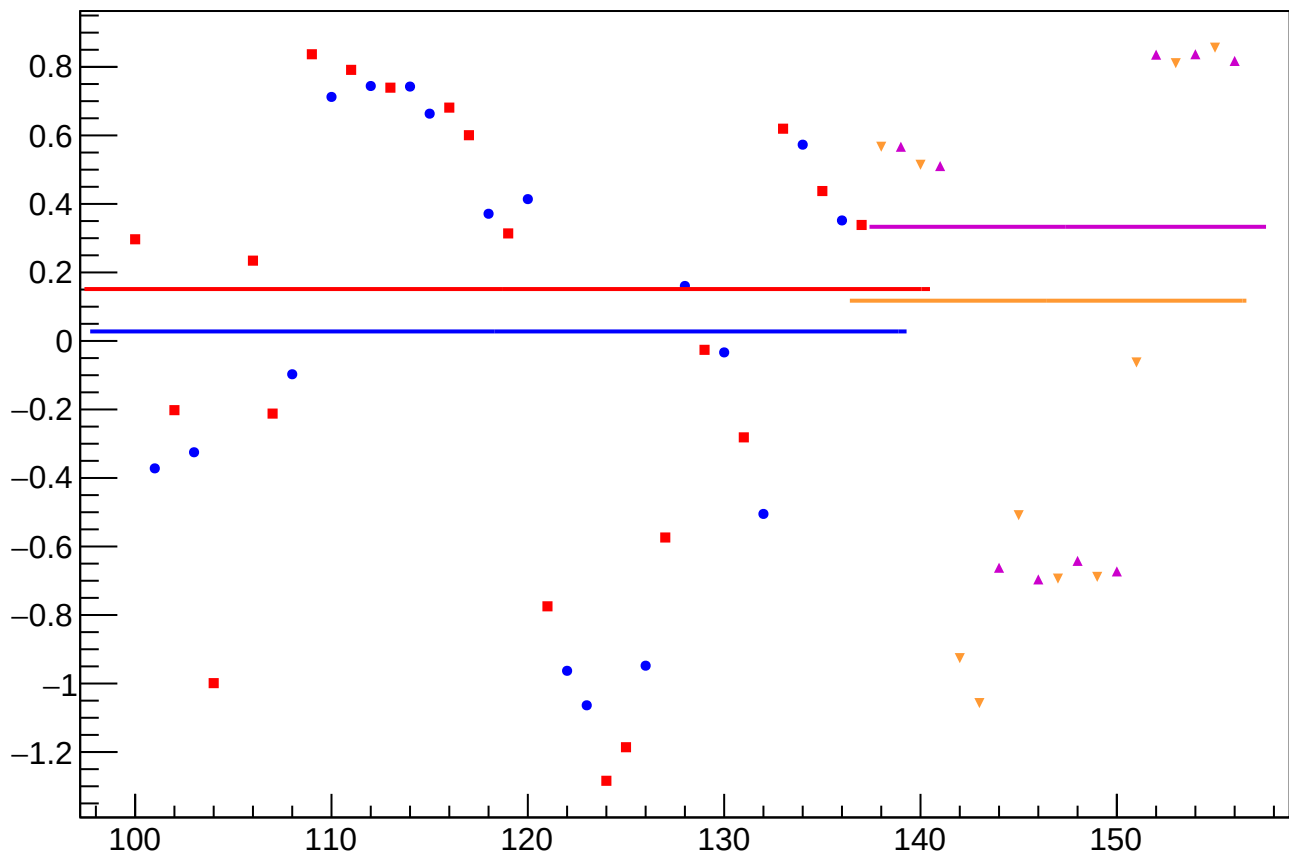
Left In: 0.013 $\pm$ 0.000 χ^2/NDF :531819.5/8

0.013 $\pm$ 0.000 χ^2/NDF : 731979.3/26

0.013 $\pm$ 0.000 χ^2/NDF : 1841503.9/55

0.014 $\pm$ 0.000 χ^2/NDF : 1074072.0/28

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.028 $\pm$ 0.000 χ^2/NDF : 6276955529.7/16

Left Out: 0.118 $\pm$ 0.000 χ^2/NDF : 21436974451.5/9

Right Out: 0.152 $\pm$ 0.000 χ^2/NDF : 12665480117.0/19

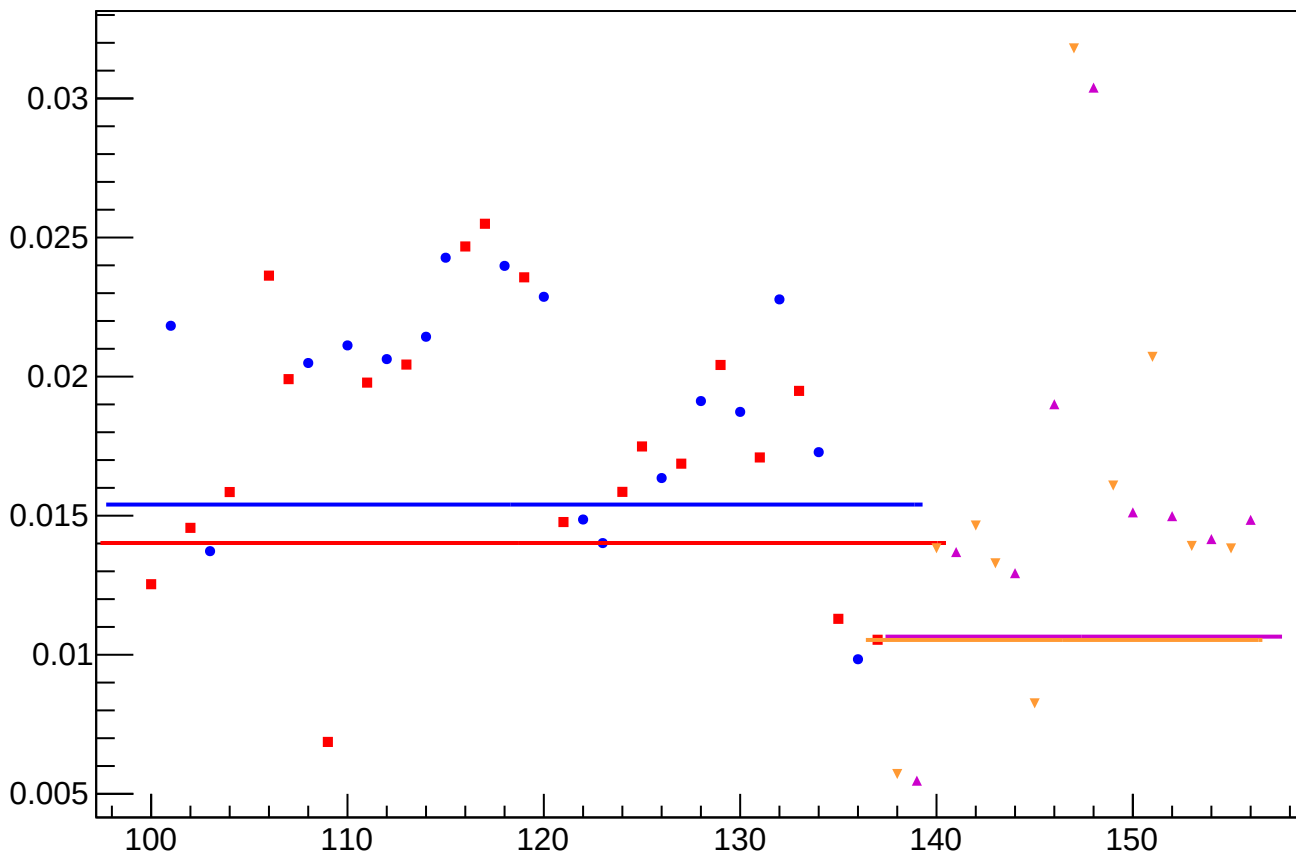
Left In: 0.333 $\pm$ 0.000 χ^2/NDF : 15592890954.9/8

0.089 $\pm$ 0.000 χ^2/NDF : 27843029589.2/26

0.180 $\pm$ 0.000 χ^2/NDF : 57891009874.0/5

0.266 $\pm$ 0.000 χ^2/NDF : 28855488438.7/28

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF : 1141655.8/16

Left Out: 0.011+/-0.000 χ^2/NDF : 2513115.2/9

Right Out: 0.014+/-0.000 χ^2/NDF : 1576882.7/19

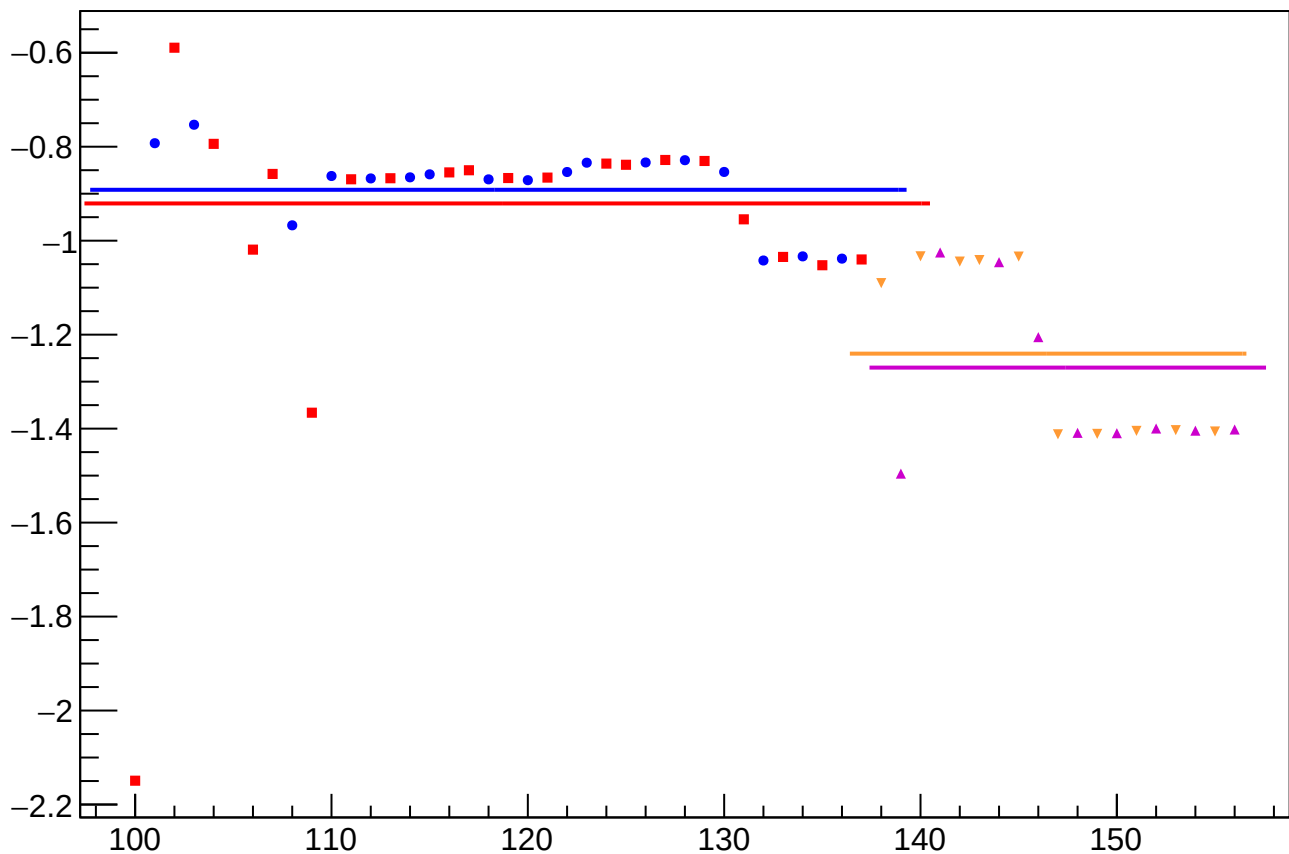
Left In: 0.011+/-0.000 χ^2/NDF : 2751952.3/8

0.012+/-0.000 χ^2/NDF : 4414080.8/26

0.012+/-0.000 χ^2/NDF : 9156004.9/55

0.012+/-0.000 χ^2/NDF : 4738706.5/28

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.892+/-0.000 χ^2/NDF : 39793337.2/16

Left Out: -1.240+/-0.000 χ^2/NDF : 200278453.4/9

Right Out: -0.921+/-0.000 χ^2/NDF : 131248005.3/19

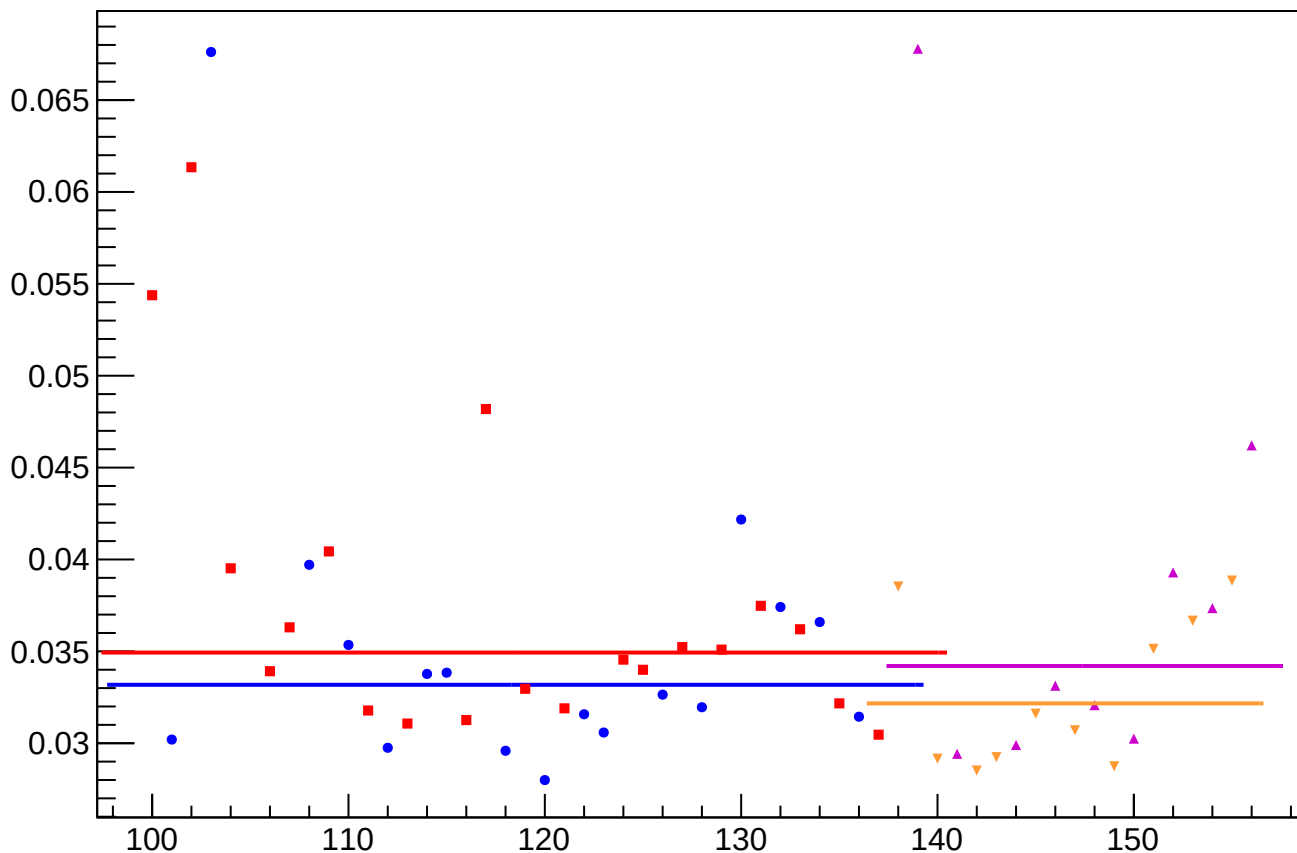
Left In: -1.270+/-0.000 χ^2/NDF : 155535149.1/8

-1.078+/-0.000 χ^2/NDF : 583695666.3/26

-1.089+/-0.000 χ^2/NDF : 1192361887.5/55

-1.101+/-0.000 χ^2/NDF : 605881147.9/28

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF : 400106.0/16

Left Out: 0.032+/-0.000 χ^2/NDF : 167987.4/9

Right Out: 0.035+/-0.000 χ^2/NDF : 281256.5/19

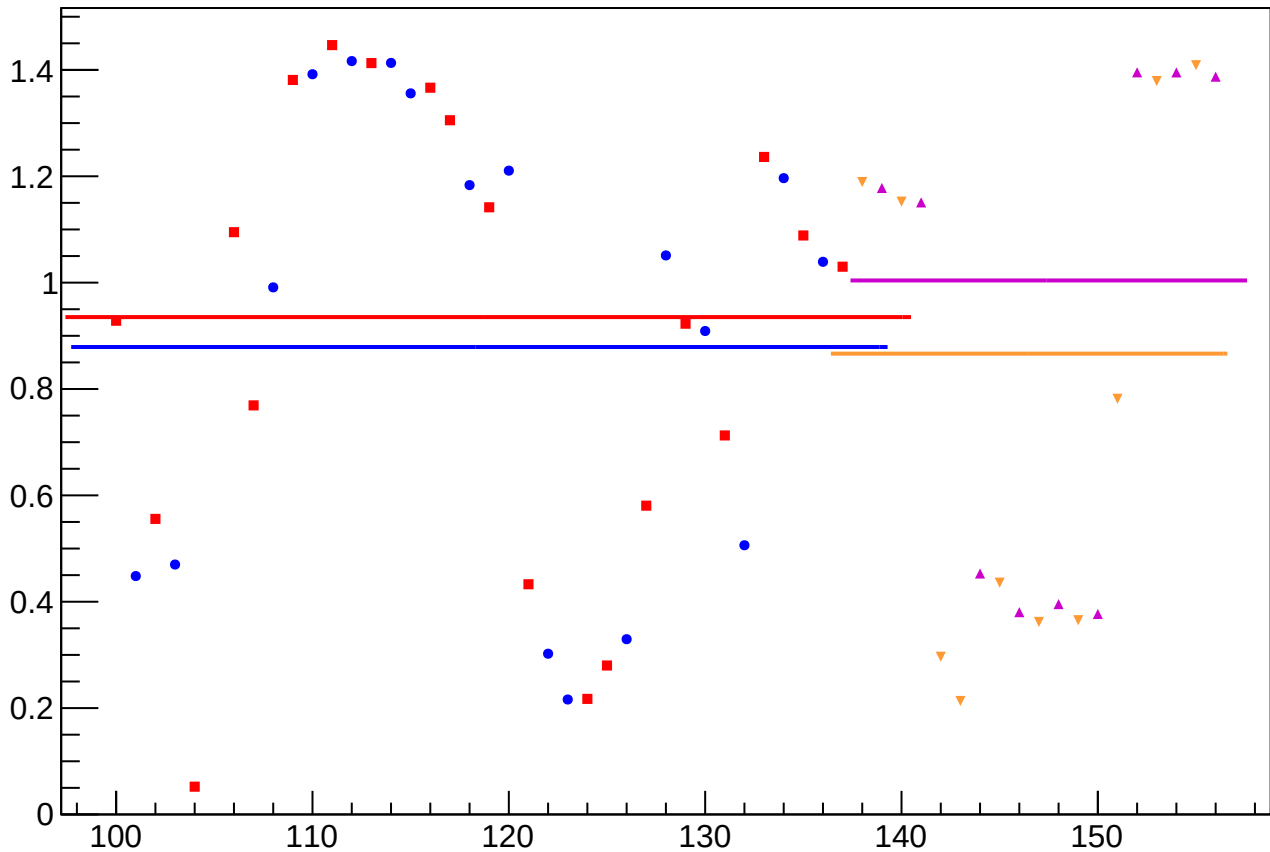
Left In: 0.034+/-0.000 χ^2/NDF : 573265.5/8

0.033+/-0.000 χ^2/NDF : 573883.8/26

0.034+/-0.000 χ^2/NDF : 1471326.1/55

0.035+/-0.000 χ^2/NDF : 857320.2/28

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.879 $\pm$ 0.000 χ^2 /NDF: 6371602566.2/16

Left Out: 0.866 $\pm$ 0.000 χ^2 /NDF:17850340471.1/9

Right Out: 0.935 $\pm$ 0.000 χ^2 /NDF: 9844960466.1/19

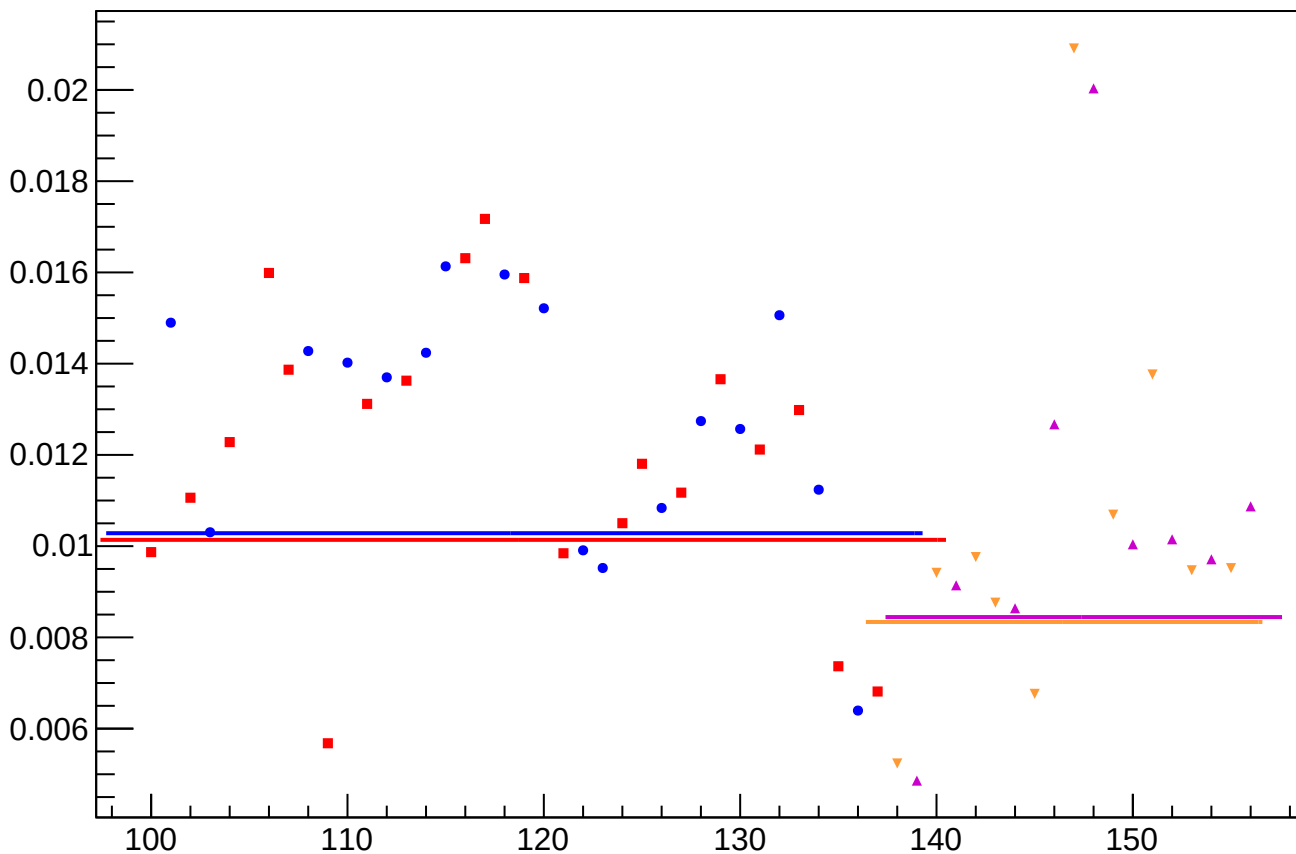
Left In: 1.004 $\pm$ 0.000 χ^2 /NDF:13685223508.6/8

0.871 $\pm$ 0.000 χ^2 /NDF: 24227086483.9/26

0.924 $\pm$ 0.000 χ^2 /NDF: 48719521143.3/5

0.977 $\pm$ 0.000 χ^2 /NDF: 23693737712.2/28

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF : 1207460.1/16

Left Out: 0.008+/-0.000 χ^2/NDF : 1459372.5/9

Right Out: 0.010+/-0.000 χ^2/NDF : 1189529.0/19

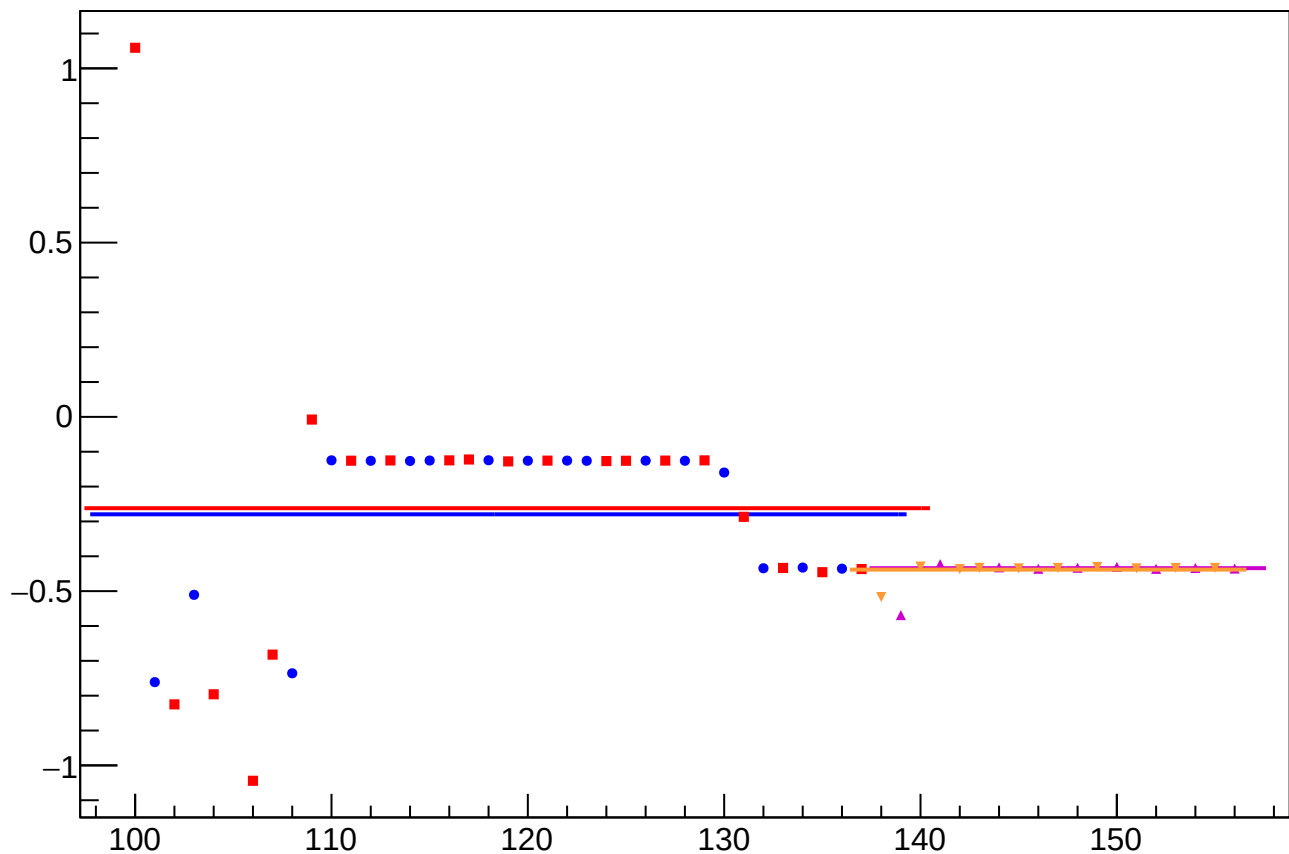
Left In: 0.008+/-0.000 χ^2/NDF : 1607226.1/8

0.009+/-0.000 χ^2/NDF : 2917261.8/26

0.009+/-0.000 χ^2/NDF : 5911975.4/55

0.009+/-0.000 χ^2/NDF : 2994250.3/28

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.280 ± 0.000 χ^2/NDF : 929210245.5/16

Left Out: -0.438 ± 0.000 χ^2/NDF : 24135514.5/9

Right Out: -0.262 ± 0.000 χ^2/NDF : 1007161741.8/19

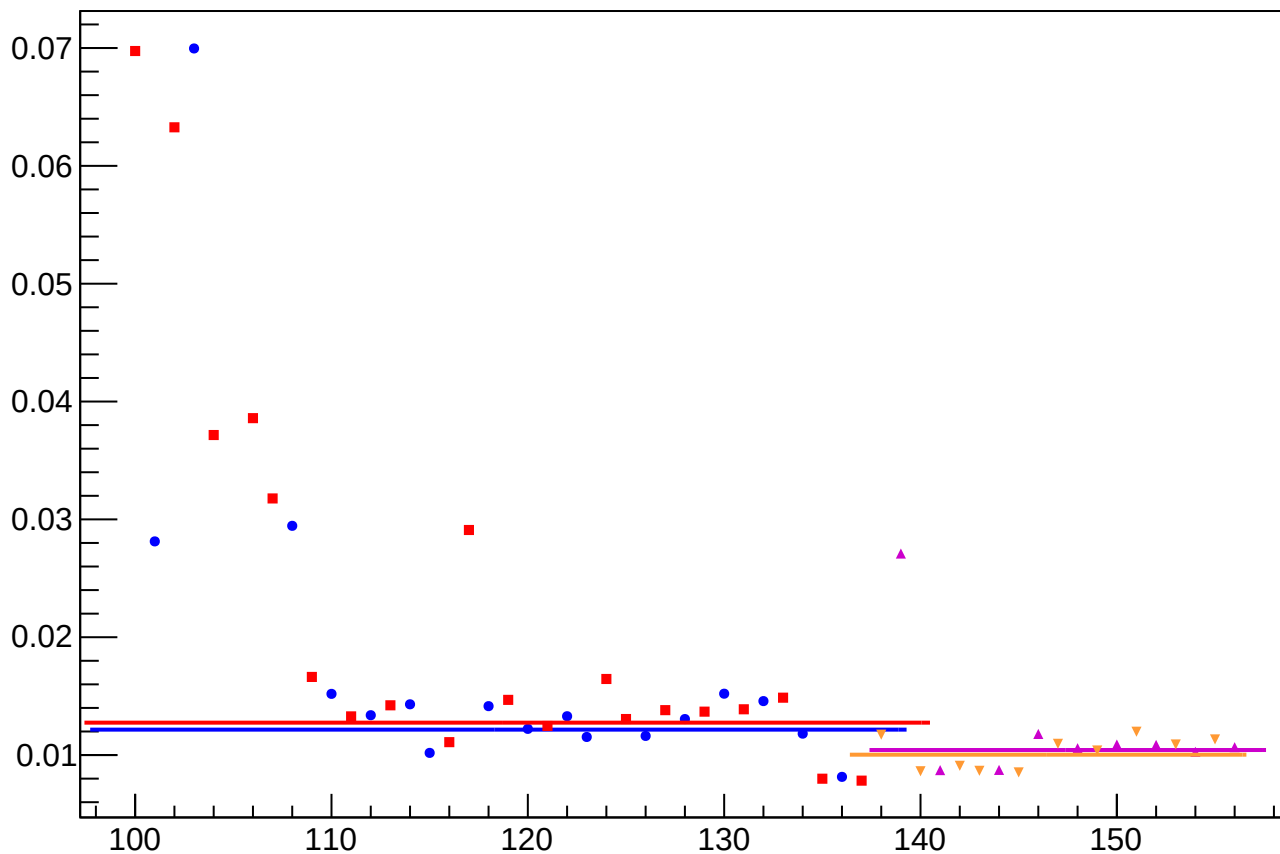
Left In: -0.434 ± 0.000 χ^2/NDF : 18866952.9/8

-0.383 ± 0.000 χ^2/NDF : 1469089436.5/26

-0.378 ± 0.000 χ^2/NDF : 3069391088.9/5

-0.373 ± 0.000 χ^2/NDF : 1595996283.6/28

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1722777.4/16

Left Out: 0.010+/-0.000 χ^2/NDF : 195192.4/9

Right Out: 0.013+/-0.000 χ^2/NDF : 1991972.4/19

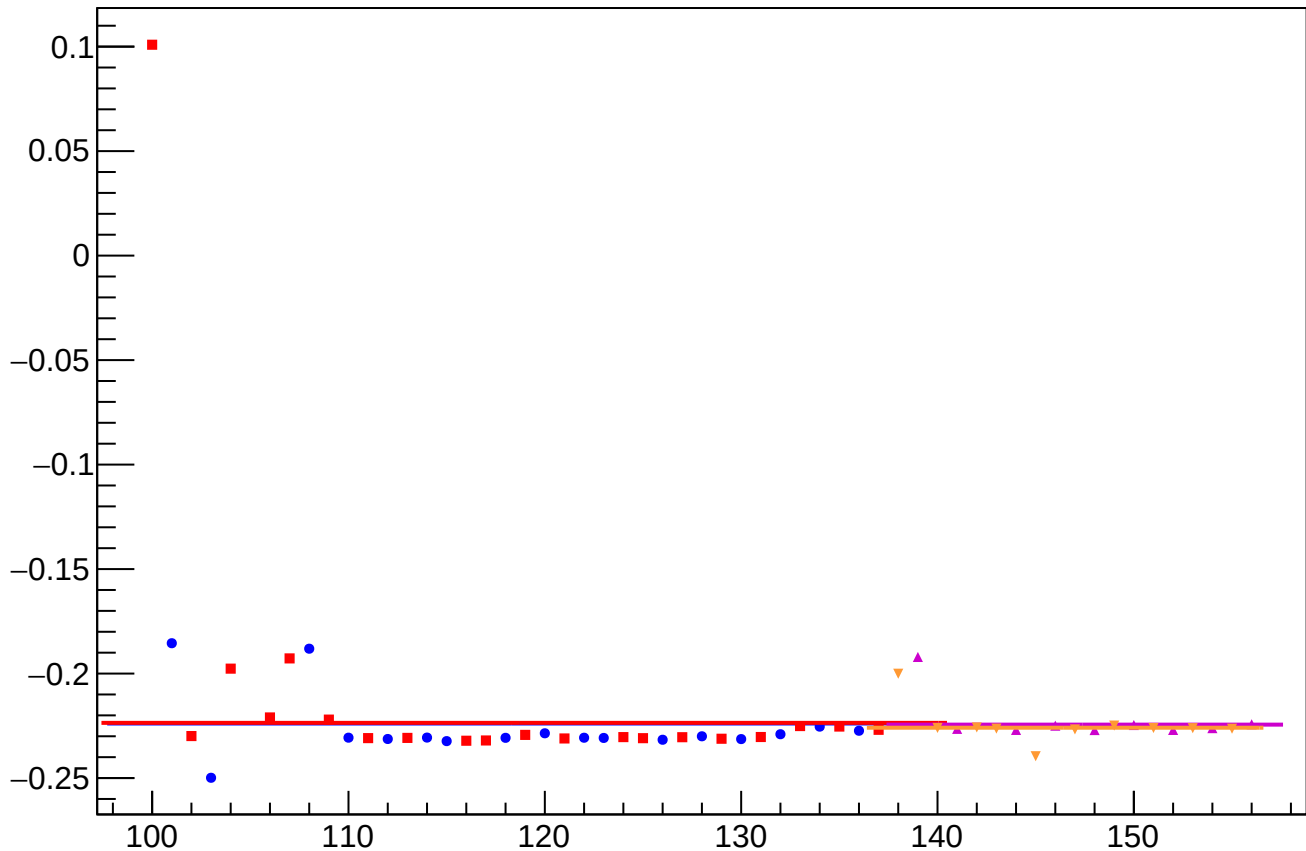
Left In: 0.010+/-0.000 χ^2/NDF : 659988.3/8

0.011+/-0.000 χ^2/NDF : 2103150.1/26

0.011+/-0.000 χ^2/NDF : 4982673.5/55

0.011+/-0.000 χ^2/NDF : 2859437.5/28

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.224+/-0.000 χ^2/NDF : 74600073.9/16

Left Out: -0.226+/-0.000 χ^2/NDF : 20522935.8/9

Right Out: -0.224+/-0.000 χ^2/NDF : 168229582.1/19

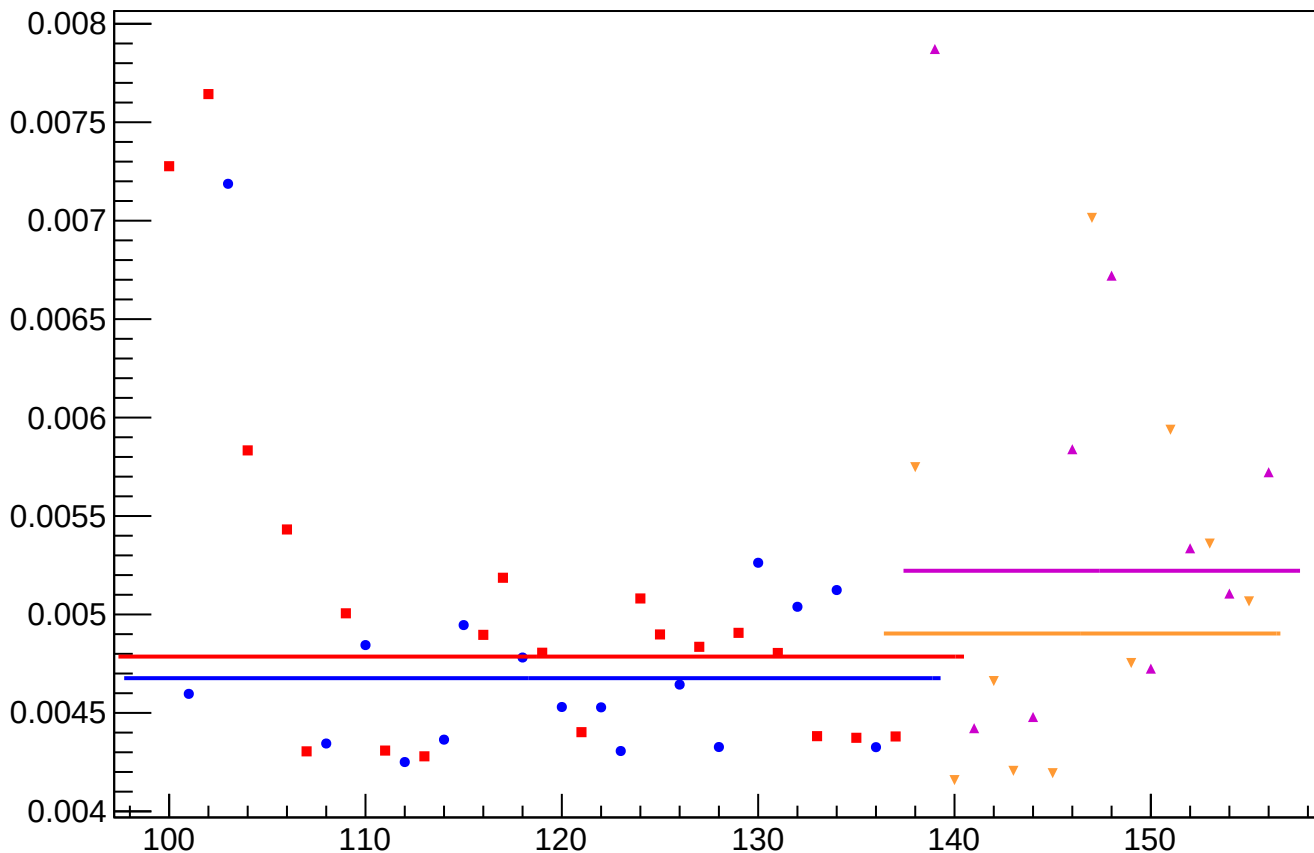
Left In: -0.224+/-0.000 χ^2/NDF : 12428305.2/8

-0.225+/-0.000 χ^2/NDF : 95691003.5/26

-0.224+/-0.000 χ^2/NDF : 276671993.9/55

-0.224+/-0.000 χ^2/NDF : 180751690.0/28

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 180780.8/16

Left Out: 0.005+/-0.000 χ^2/NDF : 346769.2/9

Right Out: 0.005+/-0.000 χ^2/NDF : 248745.3/19

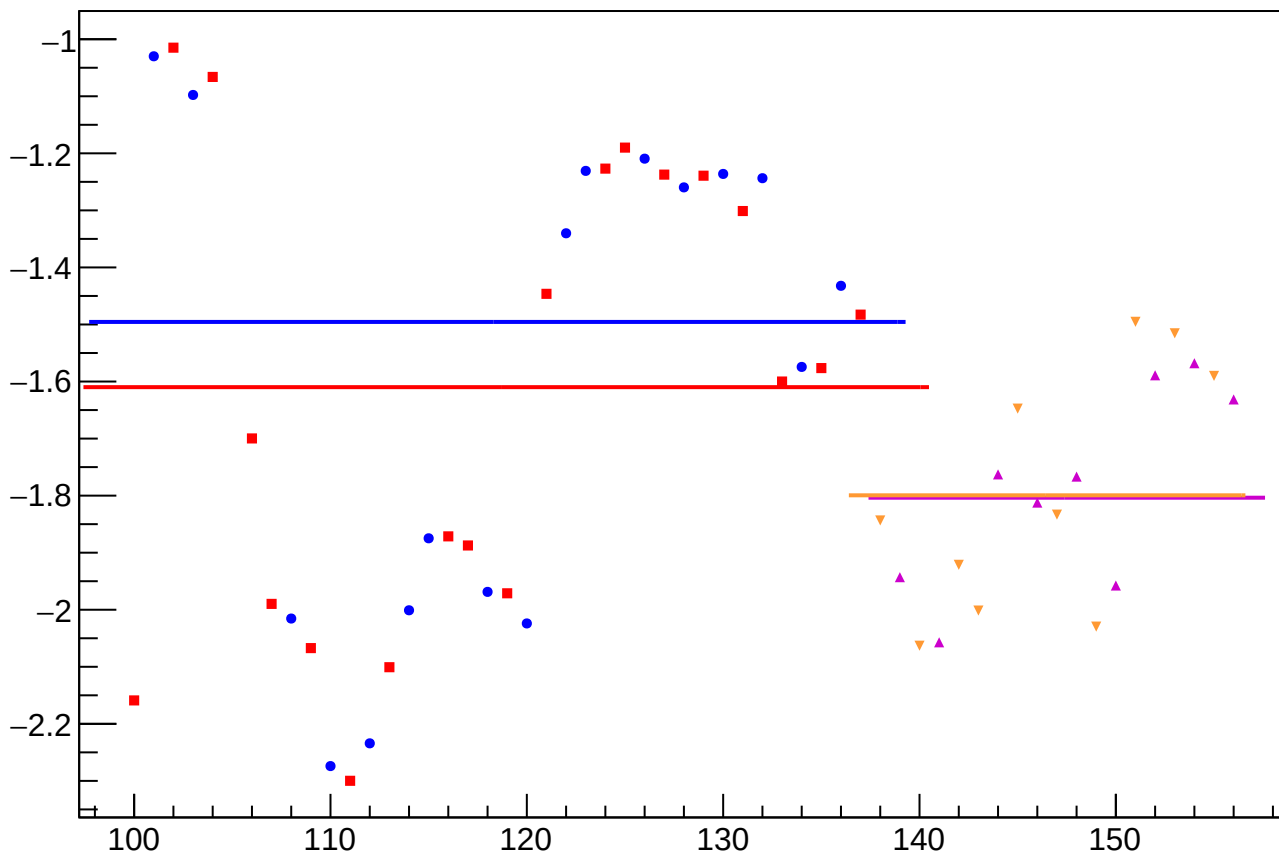
Left In: 0.005+/-0.000 χ^2/NDF : 372671.7/8

0.005+/-0.000 χ^2/NDF : 541743.5/26

0.005+/-0.000 χ^2/NDF : 1234523.5/55

0.005+/-0.000 χ^2/NDF : 671332.3/28

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496+/-0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.799+/-0.000 χ^2/NDF : 8525137045.1/9

Right Out: -1.610+/-0.000 χ^2/NDF : 27936032778.6/19

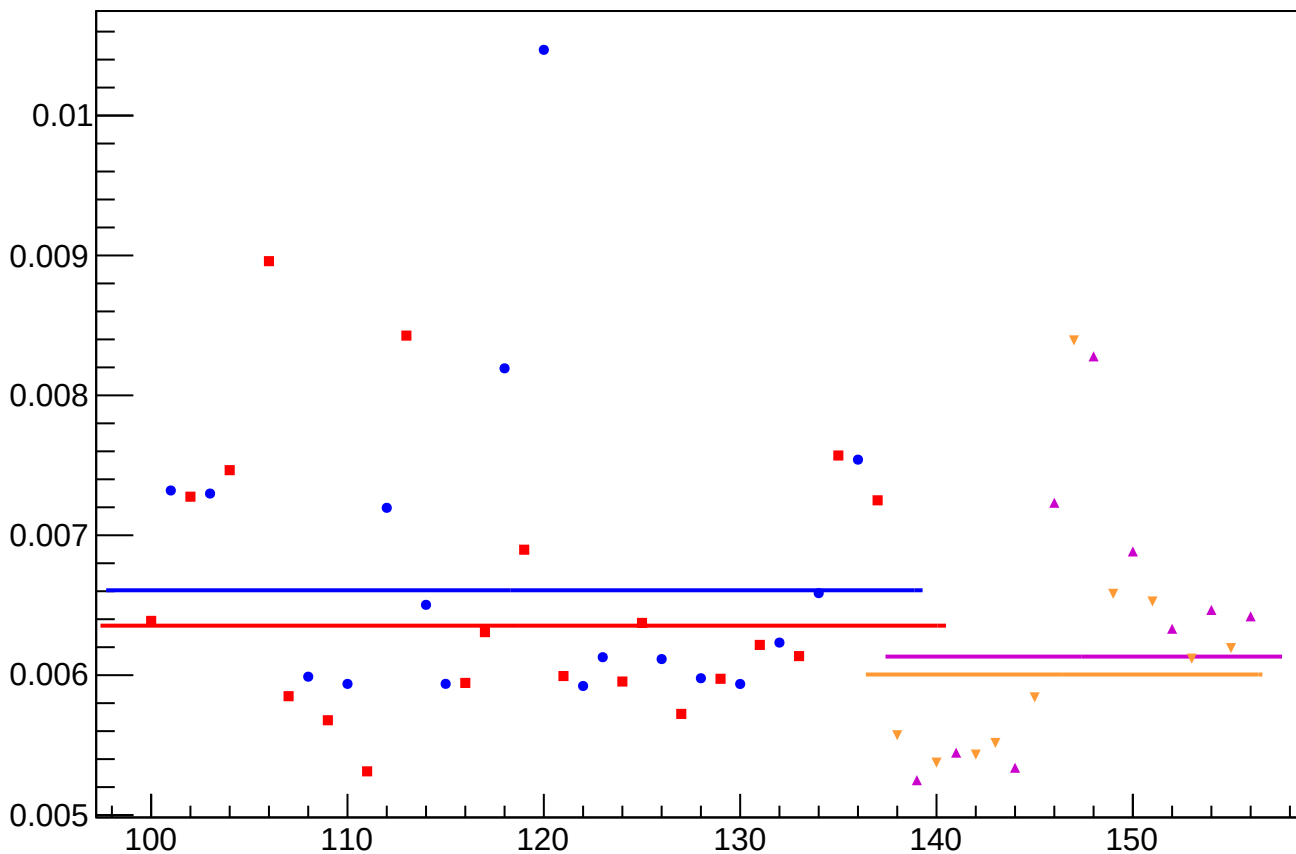
Left In: -1.804+/-0.000 χ^2/NDF : 5229652468.1/8

-1.672+/-0.000 χ^2/NDF : 38459571739.1/26

-1.692+/-0.000 χ^2/NDF : 75104590835.7/5

-1.711+/-0.000 χ^2/NDF : 36383383055.0/28

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

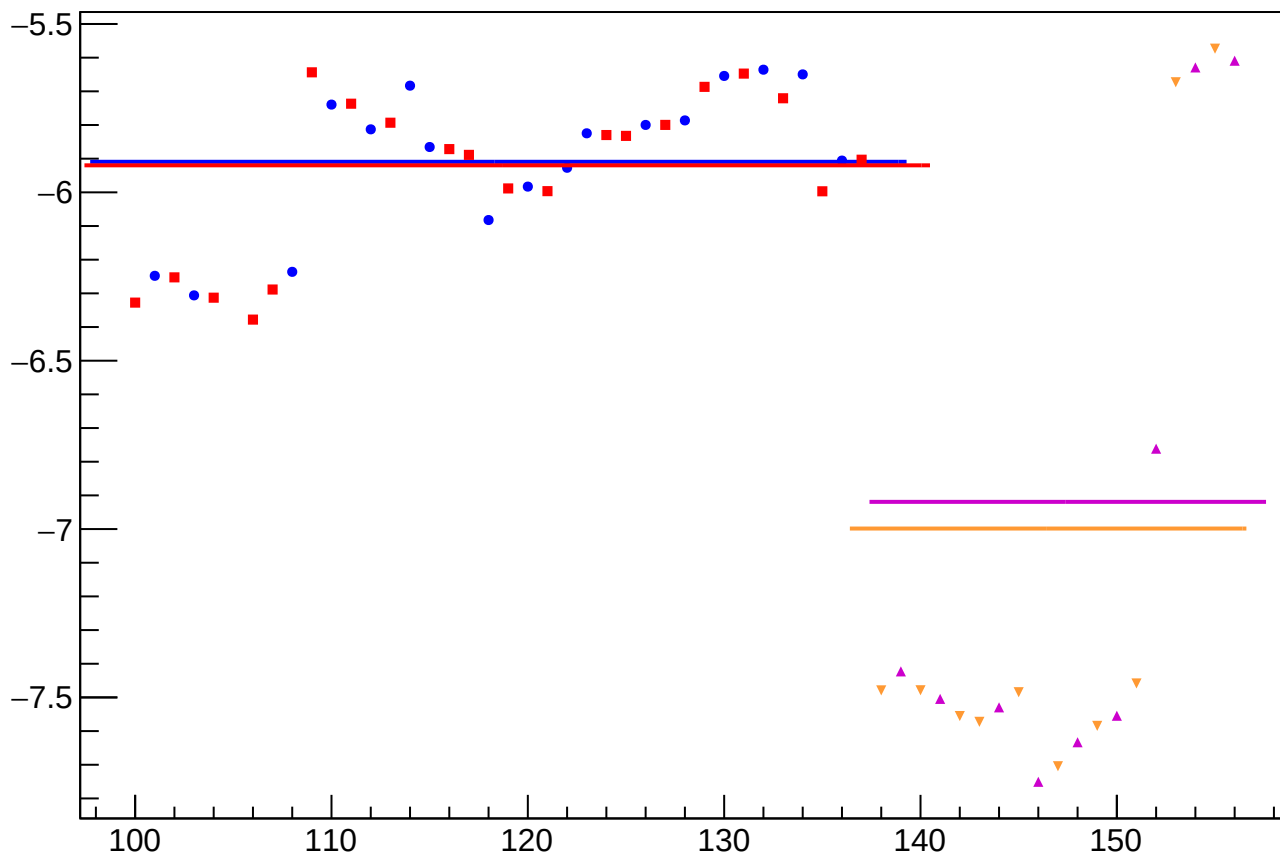
Left In: 0.006+/-0.000 χ^2/NDF :258592.8/8

0.006+/-0.000 χ^2/NDF : 445865.2/26

0.006+/-0.000 χ^2/NDF : 940258.4/55

0.006+/-0.000 χ^2/NDF : 494263.2/28

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -6.998+/-0.000 χ^2/NDF : 70133851222.0/9

Right Out: -5.920+/-0.000 χ^2/NDF : 12786104538.4/19

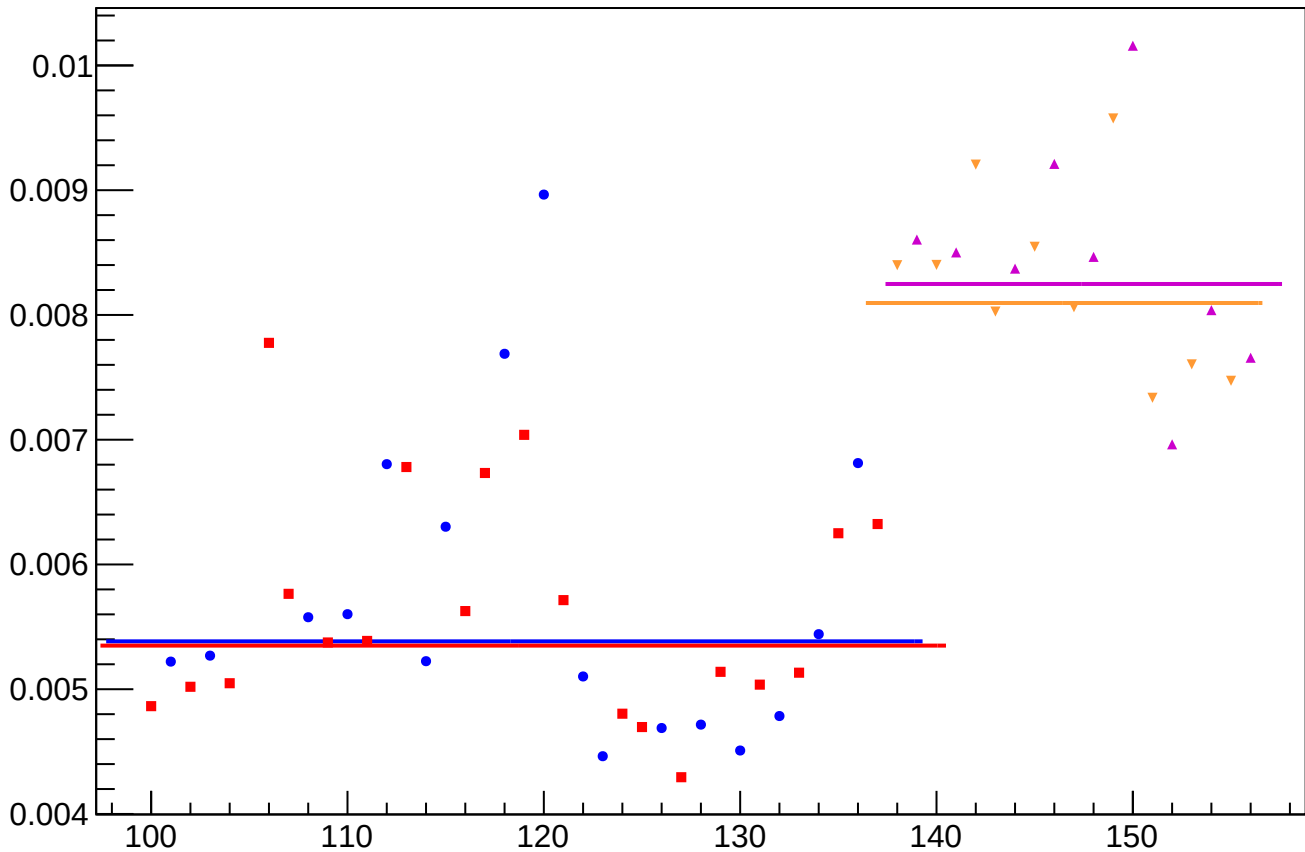
Left In: -6.919+/-0.000 χ^2/NDF : 63913347295.1/8

-6.255+/-0.000 χ^2/NDF : 157497850654.8/26

-6.233+/-0.000 χ^2/NDF : 299987641497.2

-6.213+/-0.000 χ^2/NDF : 142210712754.4/28

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.005 $\pm$ 0.000 χ^2/NDF : 347627.8/16

Left Out: 0.008 $\pm$ 0.000 χ^2/NDF : 80068.3/9

Right Out: 0.005 $\pm$ 0.000 χ^2/NDF : 247999.6/19

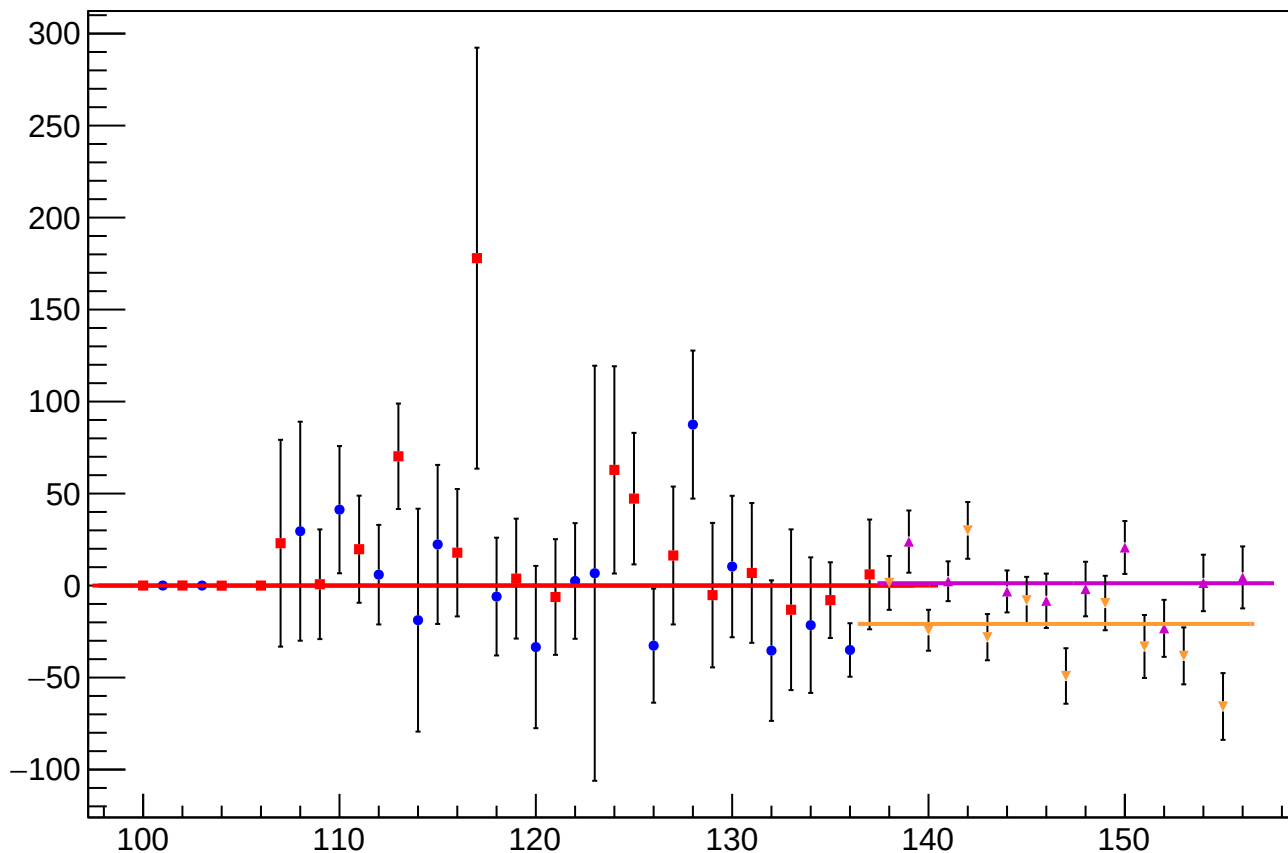
Left In: 0.008 $\pm$ 0.000 χ^2/NDF : 129963.9/8

0.006 $\pm$ 0.000 χ^2/NDF : 1373045.4/26

0.006 $\pm$ 0.000 χ^2/NDF : 2853713.1/55

0.006 $\pm$ 0.000 χ^2/NDF : 1480006.7/28

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.013 ± 0.017 χ^2/NDF : 15.8/16

Left Out: -20.840 ± 4.515 χ^2/NDF : 26.6/9

Right Out: -0.003 ± 0.016 χ^2/NDF : 17.7/19

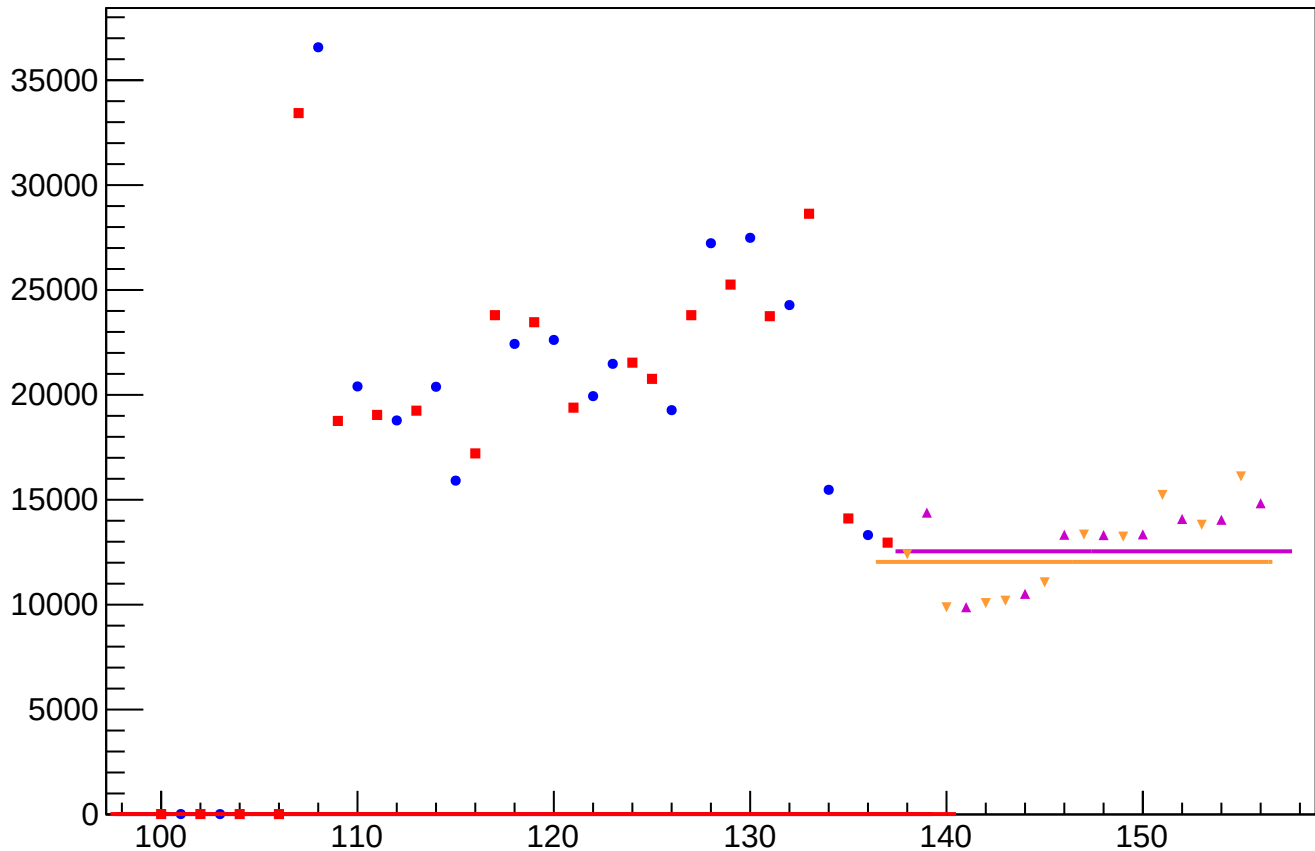
Left In: 1.272 ± 4.680 χ^2/NDF : 6.8/8

0.013 ± 0.017 χ^2/NDF : 63.7/26

0.004 ± 0.012 χ^2/NDF : 88.8/55

-0.003 ± 0.016 χ^2/NDF : 24.6/28

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 18.641+/-0.012 χ^2/NDF : 10841561.4/16

Left Out: 12039.522+/-3.193 χ^2/NDF : 389554.8/9

Right Out: 18.312+/-0.011 χ^2/NDF : 11189737.0/19

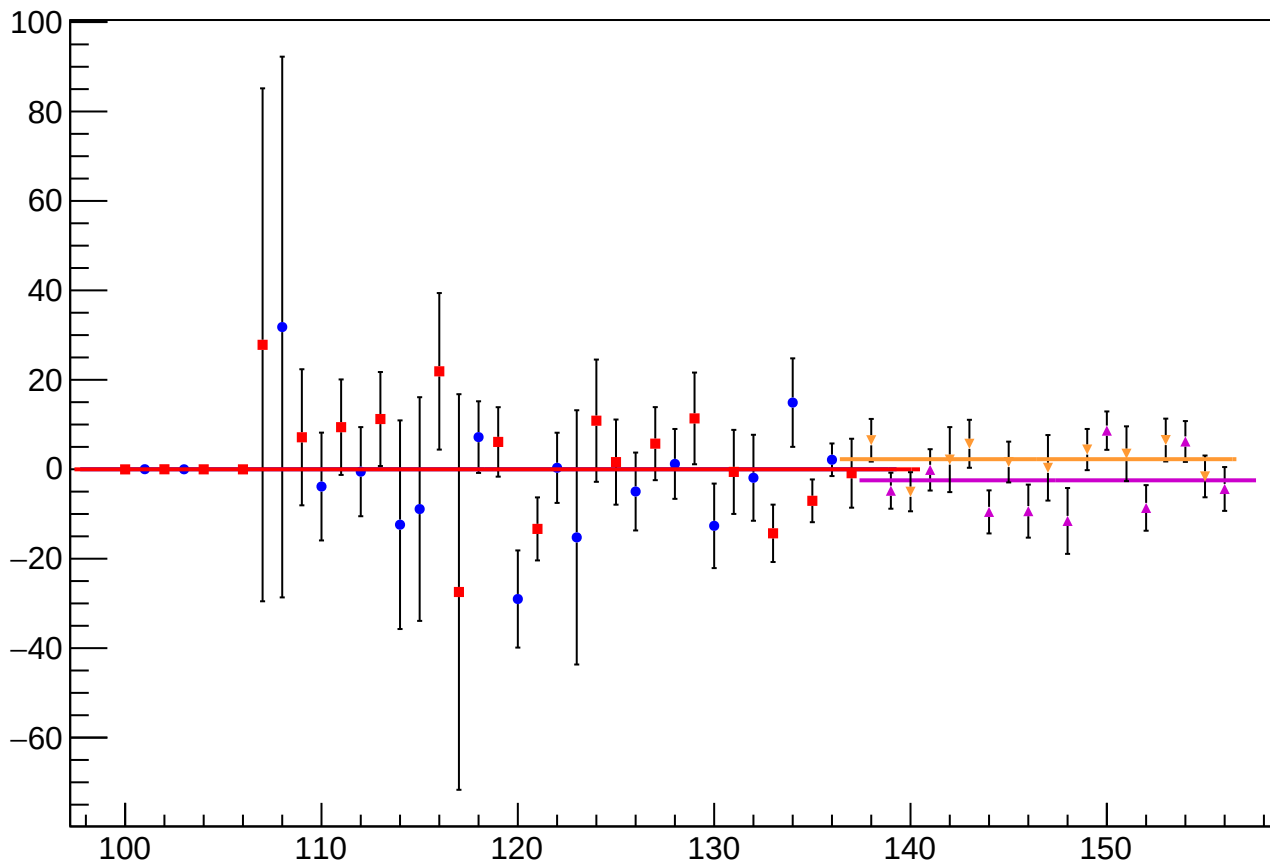
Left In: 12542.840+/-3.309 χ^2/NDF : 302017.3/8

18.818+/-0.012 χ^2/NDF : 25406427.6/26

18.625+/-0.008 χ^2/NDF : 51222709.0/55

18.460+/-0.011 χ^2/NDF : 25815821.6/28

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

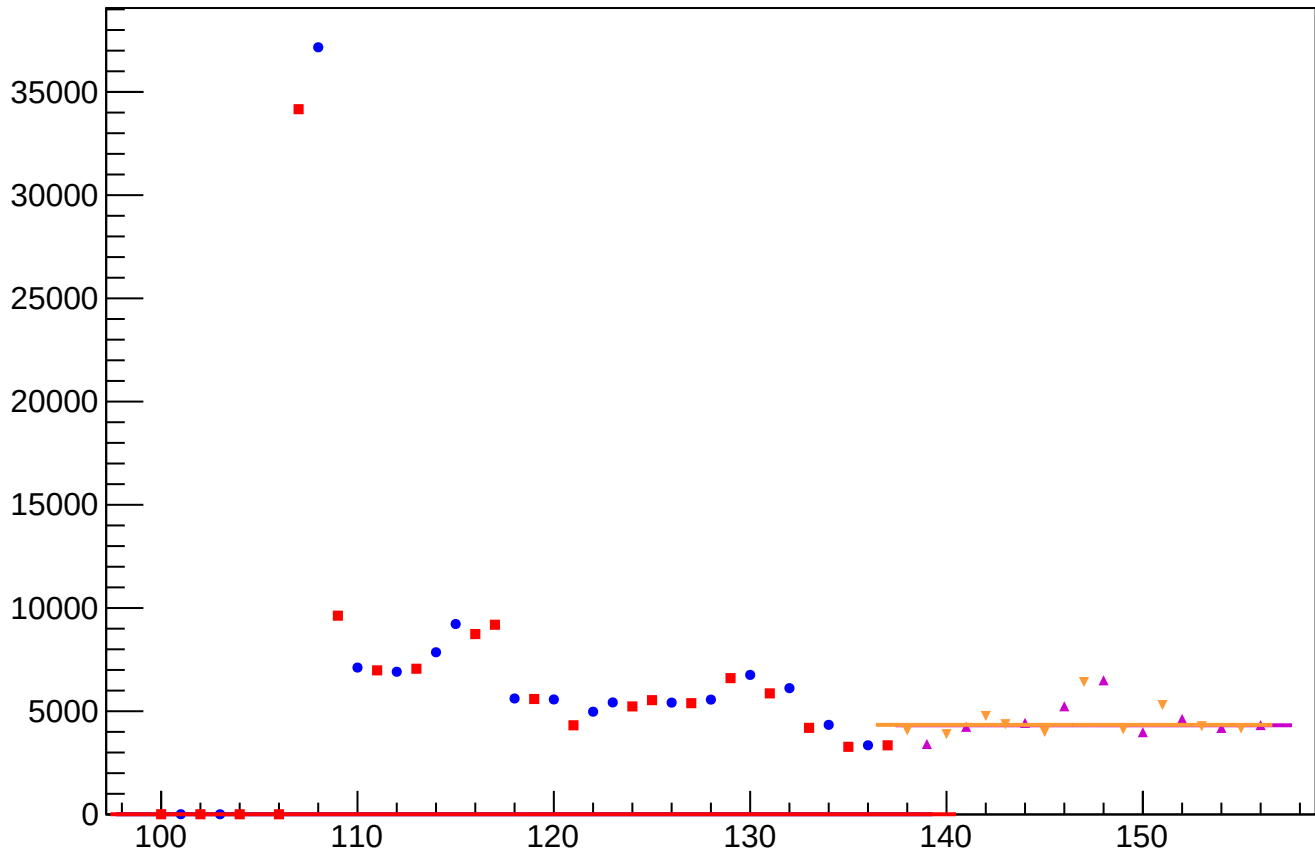
Left In: -2.474 $\pm$ 1.620 χ^2/NDF : 17.6/8

0.001 $\pm$ 0.009 χ^2/NDF : 22.6/26

-0.007 $\pm$ 0.006 χ^2/NDF : 62.7/55

-0.014 $\pm$ 0.009 χ^2/NDF : 38.7/28

diff_cav4bY_rms vs Slug, Sign Corrected



Right In: 9.938+/-0.007 χ^2/NDF : 10973577.1/16

Left Out: 4340.195+/-1.147 χ^2/NDF : 262913.9/9

Right Out: 9.855+/-0.006 χ^2/NDF : 11238836.3/19

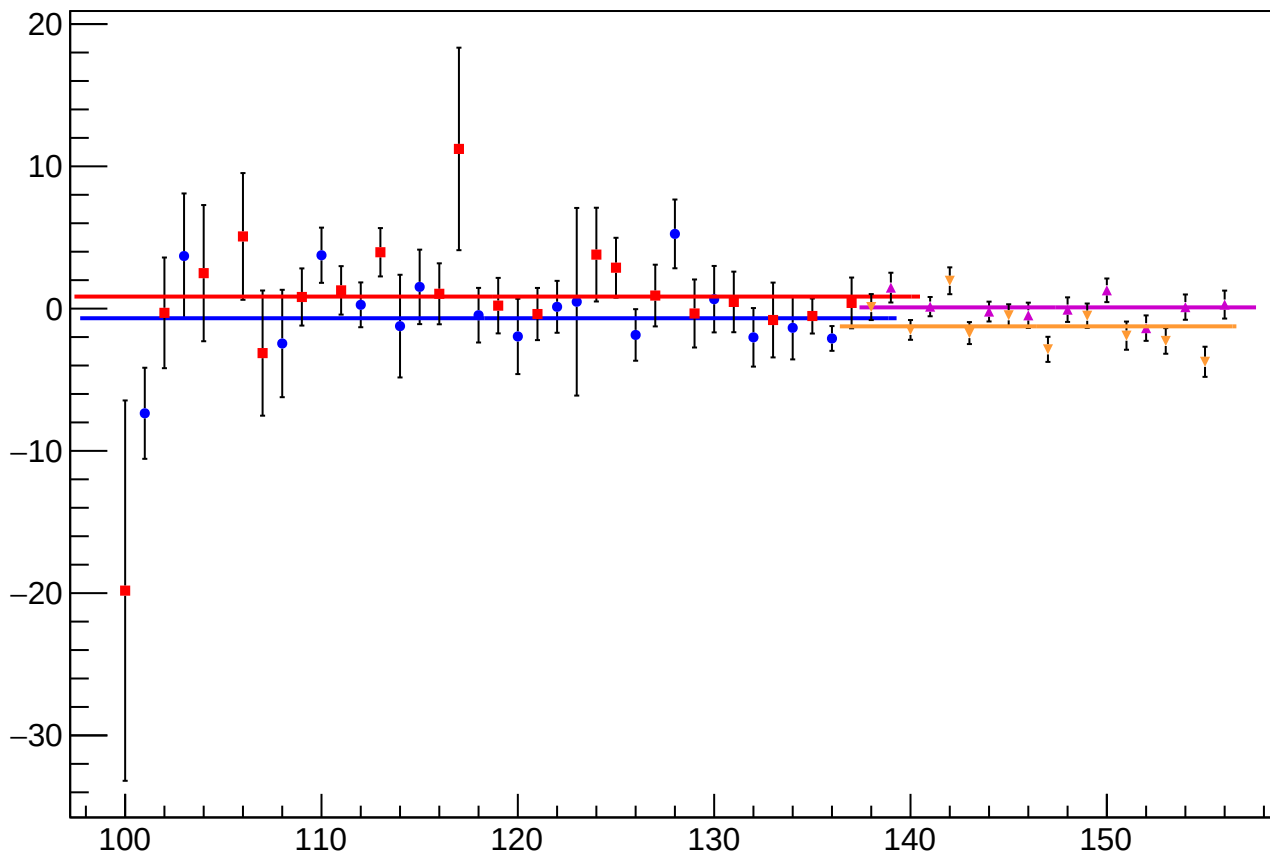
Left In: 4320.352+/-1.146 χ^2/NDF : 346934.4/8

10.077+/-0.007 χ^2/NDF : 25486659.1/26

10.024+/-0.004 χ^2/NDF : 51227735.3/55

9.977+/-0.006 χ^2/NDF : 25740951.2/28

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

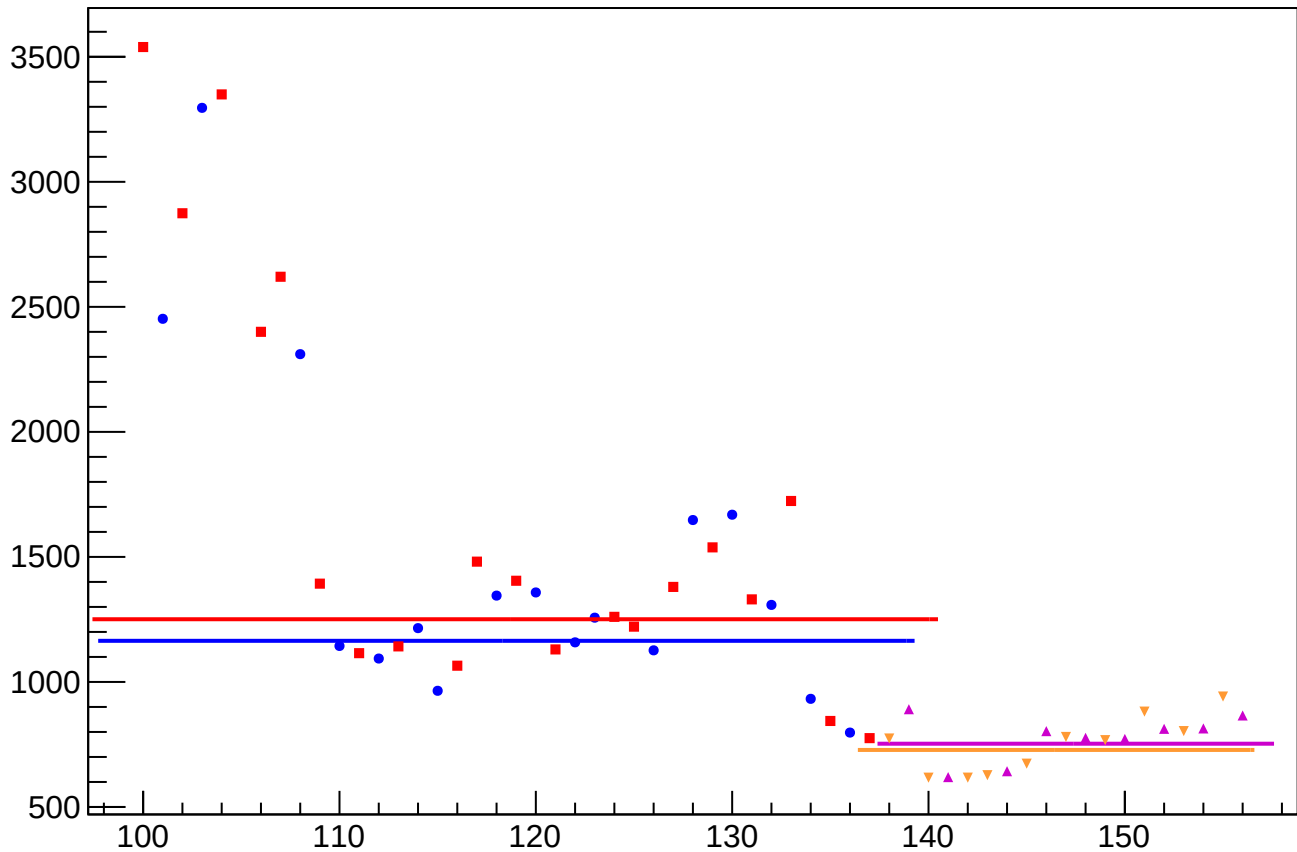
Left In: 0.087 ± 0.280 χ^2/NDF : 7.2/8

-1.110 ± 0.237 χ^2/NDF : 50.0/26

-0.442 ± 0.170 χ^2/NDF : 89.4/55

0.268 ± 0.244 χ^2/NDF : 23.0/28

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1164.459 $\pm$ 0.342 χ^2 /NDF: 1584212.9/16

Left Out: 728.071 $\pm$ 0.192 χ^2 /NDF: 281963.0/9

Right Out: 1250.738 $\pm$ 0.354 χ^2 /NDF: 1652238.9/19

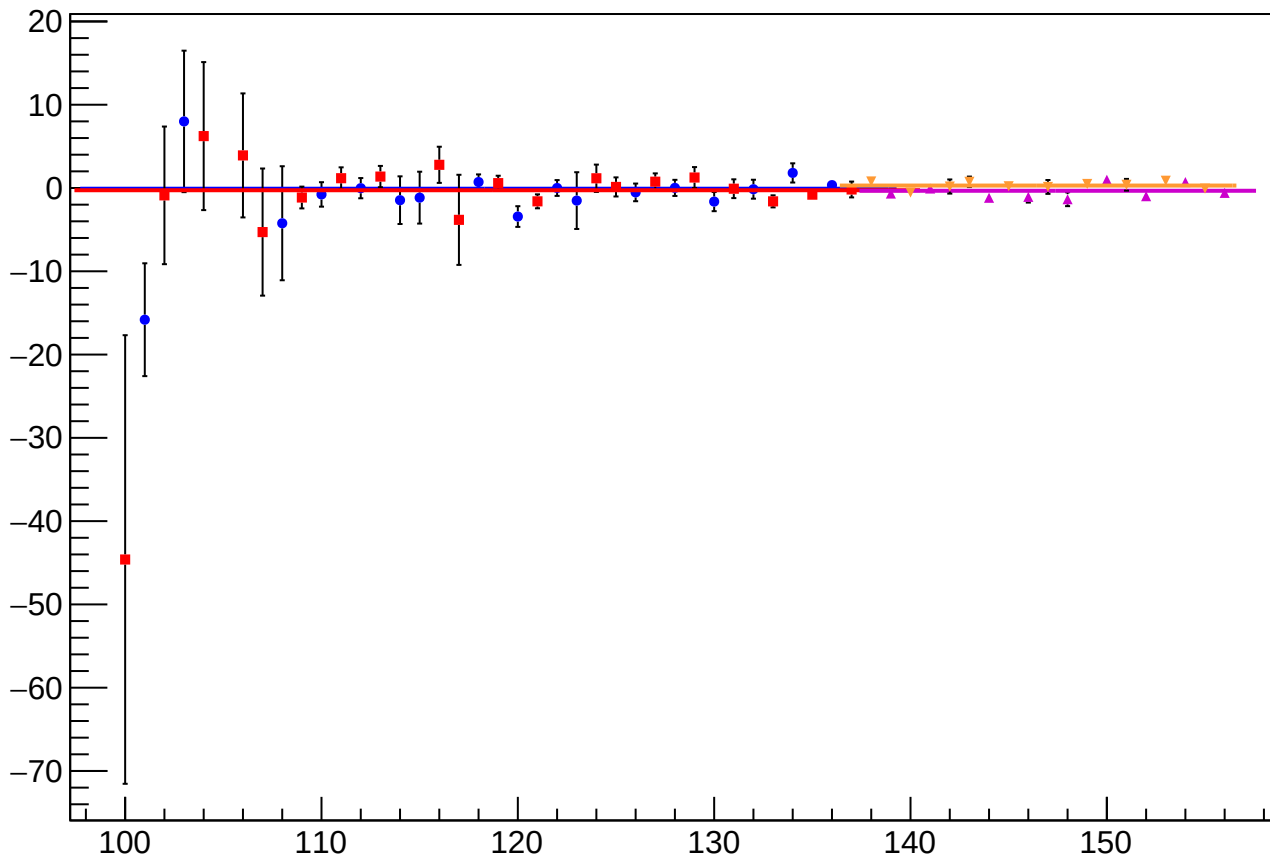
Left In: 753.001 $\pm$ 0.198 χ^2 /NDF: 216030.7/8

832.693 $\pm$ 0.168 χ^2 /NDF: 3101546.7/26

851.664 $\pm$ 0.120 χ^2 /NDF: 6504755.4/55

871.814 $\pm$ 0.173 χ^2 /NDF: 3376794.8/28

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

Left Out: 0.294 ± 0.192 χ^2/NDF : 5.6/9

Right Out: -0.268 ± 0.264 χ^2/NDF : 20.9/19

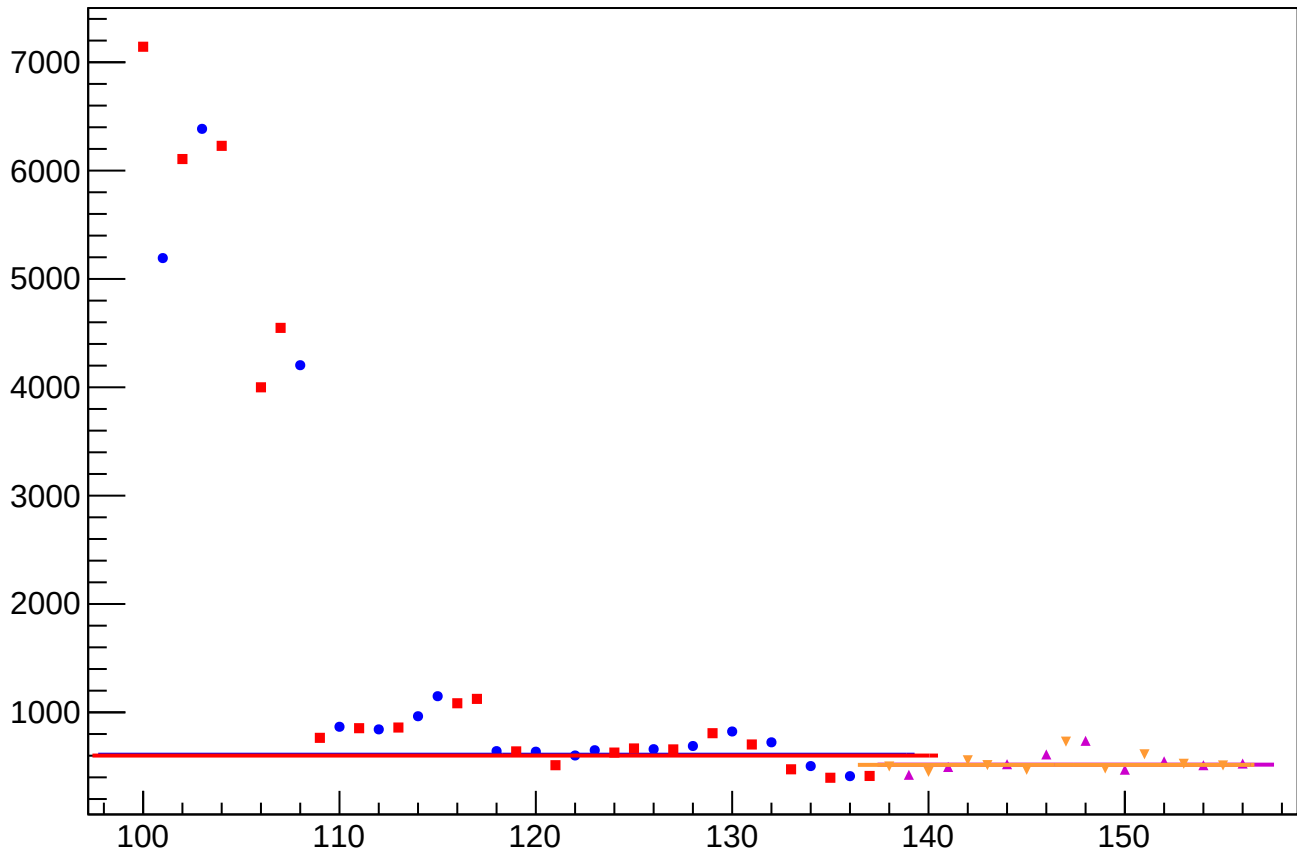
Left In: -0.332 ± 0.193 χ^2/NDF : 17.1/8

0.167 ± 0.157 χ^2/NDF : 27.9/26

-0.072 ± 0.111 χ^2/NDF : 70.6/55

-0.310 ± 0.156 χ^2/NDF : 38.0/28

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 609.016 $\pm$ 0.191 χ^2 /NDF: 3139231.5/16

Left Out: 515.195 $\pm$ 0.136 χ^2 /NDF: 232814.6/9

Right Out: 601.159 $\pm$ 0.187 χ^2 /NDF: 3566339.5/19

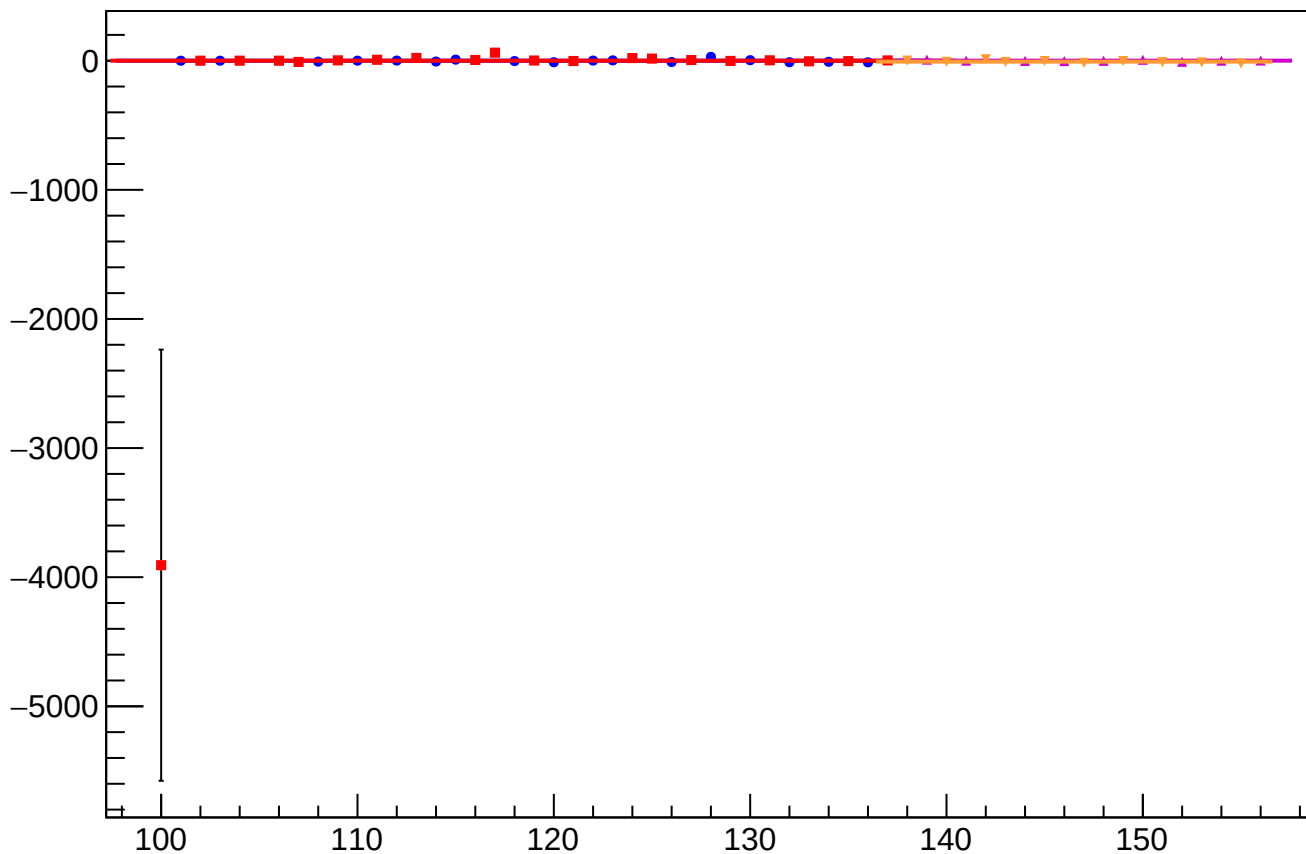
Left In: 517.239 $\pm$ 0.137 χ^2 /NDF: 272531.6/8

546.721 $\pm$ 0.111 χ^2 /NDF: 3532207.1/26

546.628 $\pm$ 0.078 χ^2 /NDF: 7502599.7/55

546.536 $\pm$ 0.110 χ^2 /NDF: 3970391.2/28

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

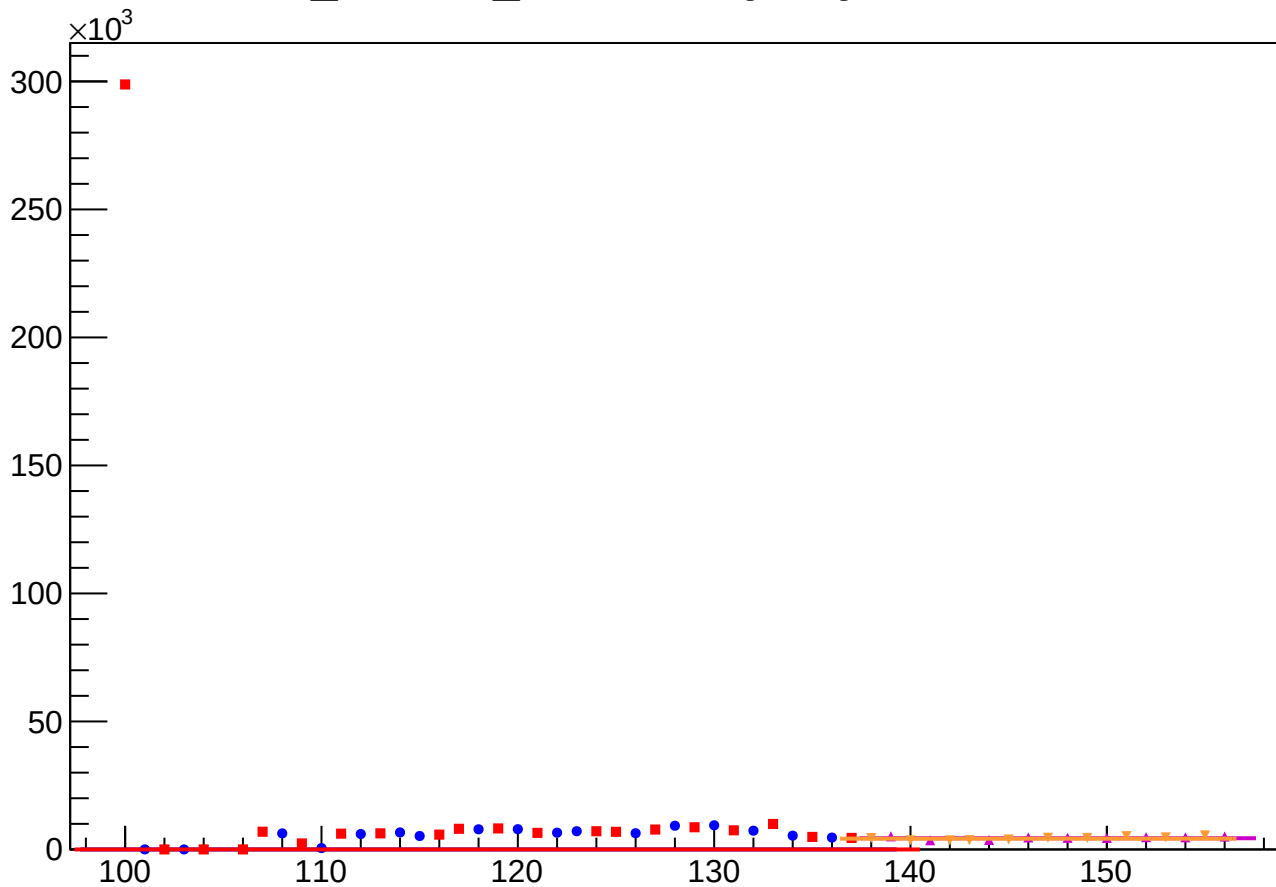
Left In: 0.500 $\pm$ 1.631 χ^2/NDF : 7.1/8

-0.023 $\pm$ 0.021 χ^2/NDF : 62.5/26

0.003 $\pm$ 0.014 χ^2/NDF : 92.6/55

0.027 $\pm$ 0.020 χ^2/NDF : 27.0/28

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 17.337+/-0.015 χ^2/NDF : 10359409.4/16

Left Out: 4224.316+/-1.116 χ^2/NDF : 302823.8/9

Right Out: 17.270+/-0.014 χ^2/NDF : 10899577.1/19

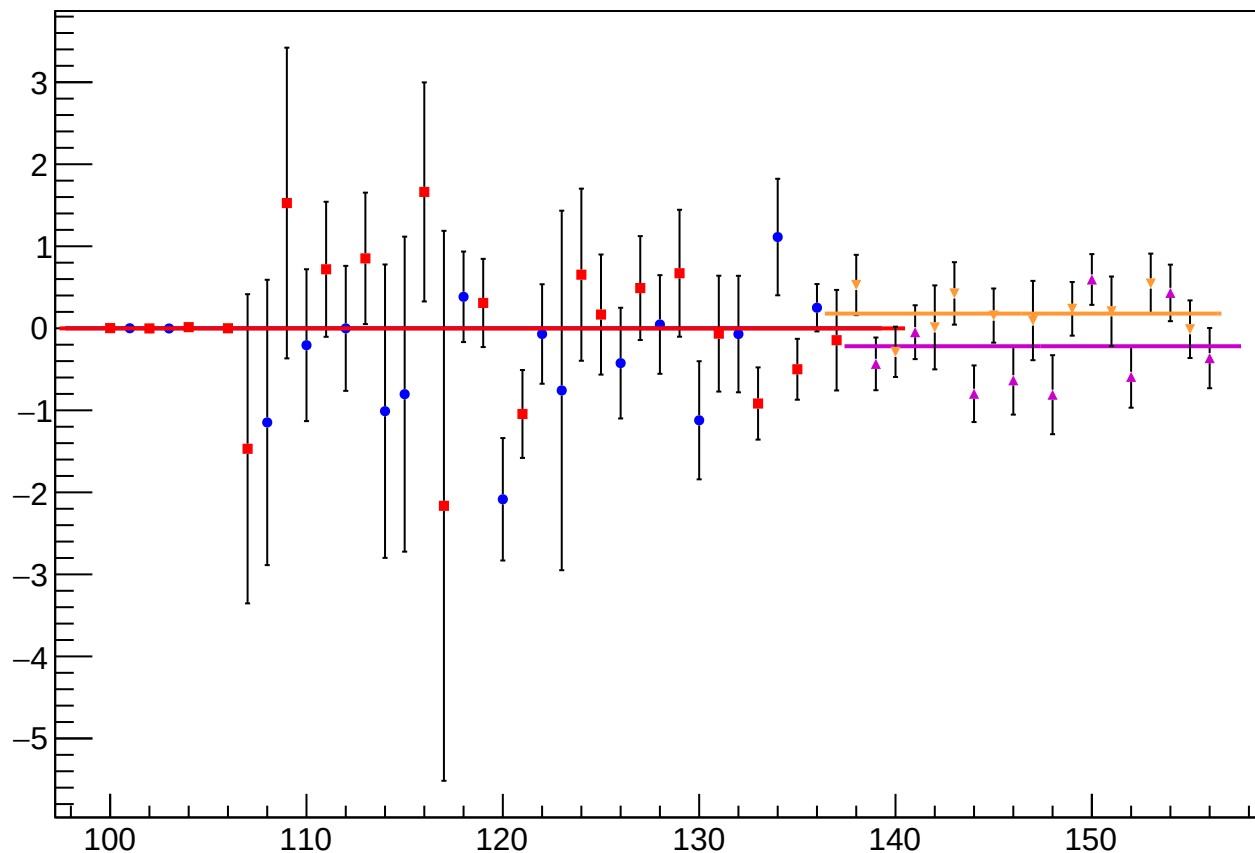
Left In: 4383.271+/-1.153 χ^2/NDF : 228515.2/8

18.067+/-0.015 χ^2/NDF : 24861219.0/26

17.986+/-0.010 χ^2/NDF : 50324261.0/55

17.912+/-0.014 χ^2/NDF : 25462984.2/28

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

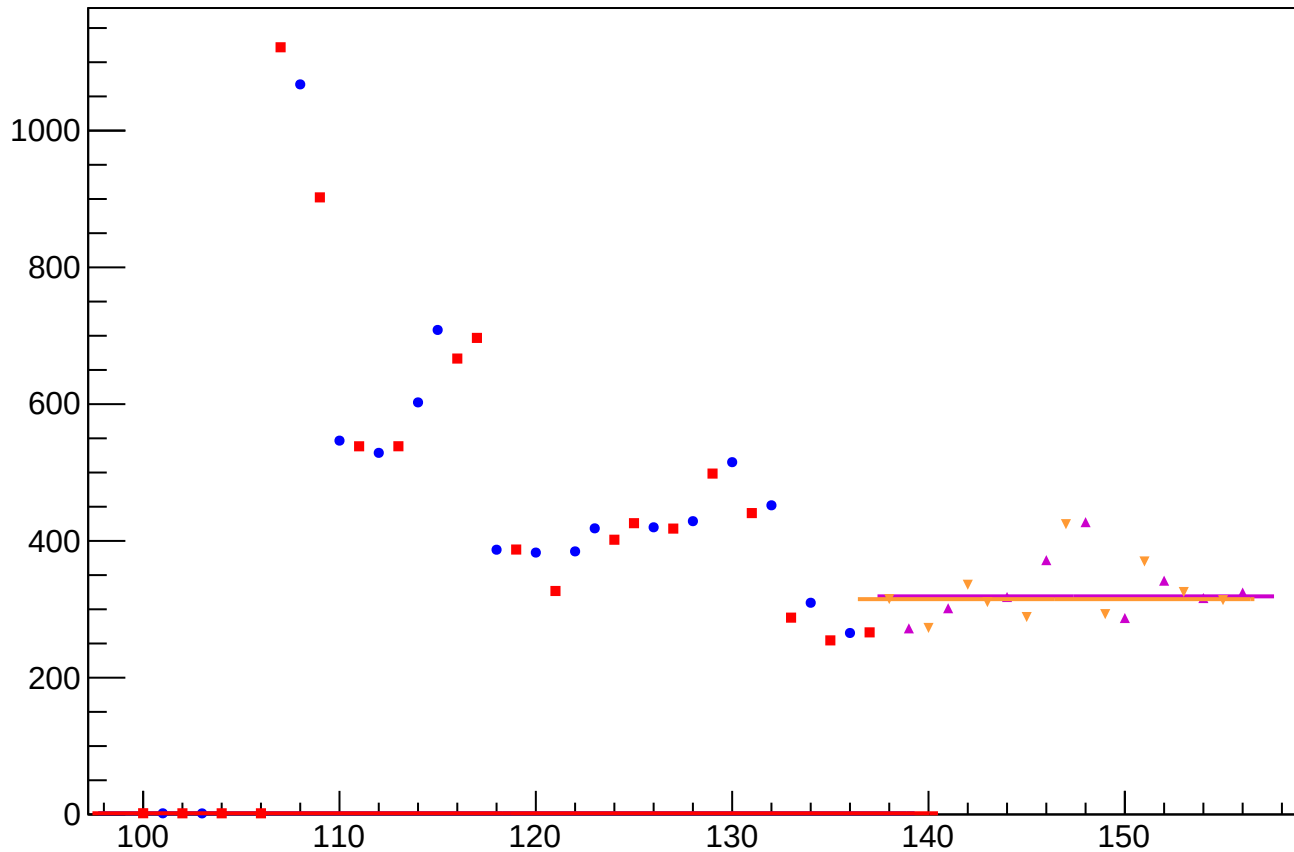
Left In: -0.219 $\pm$ 0.119 χ^2/NDF : 17.6/8

0.000 $\pm$ 0.002 χ^2/NDF : 23.1/26

-0.000 $\pm$ 0.001 χ^2/NDF : 62.5/55

-0.001 $\pm$ 0.002 χ^2/NDF : 39.2/28

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.698 ± 0.001 χ^2/NDF : 10911617.0/16

Left Out: 314.847 ± 0.083 χ^2/NDF : 201102.9/9

Right Out: 1.729 ± 0.001 χ^2/NDF : 10822679.1/19

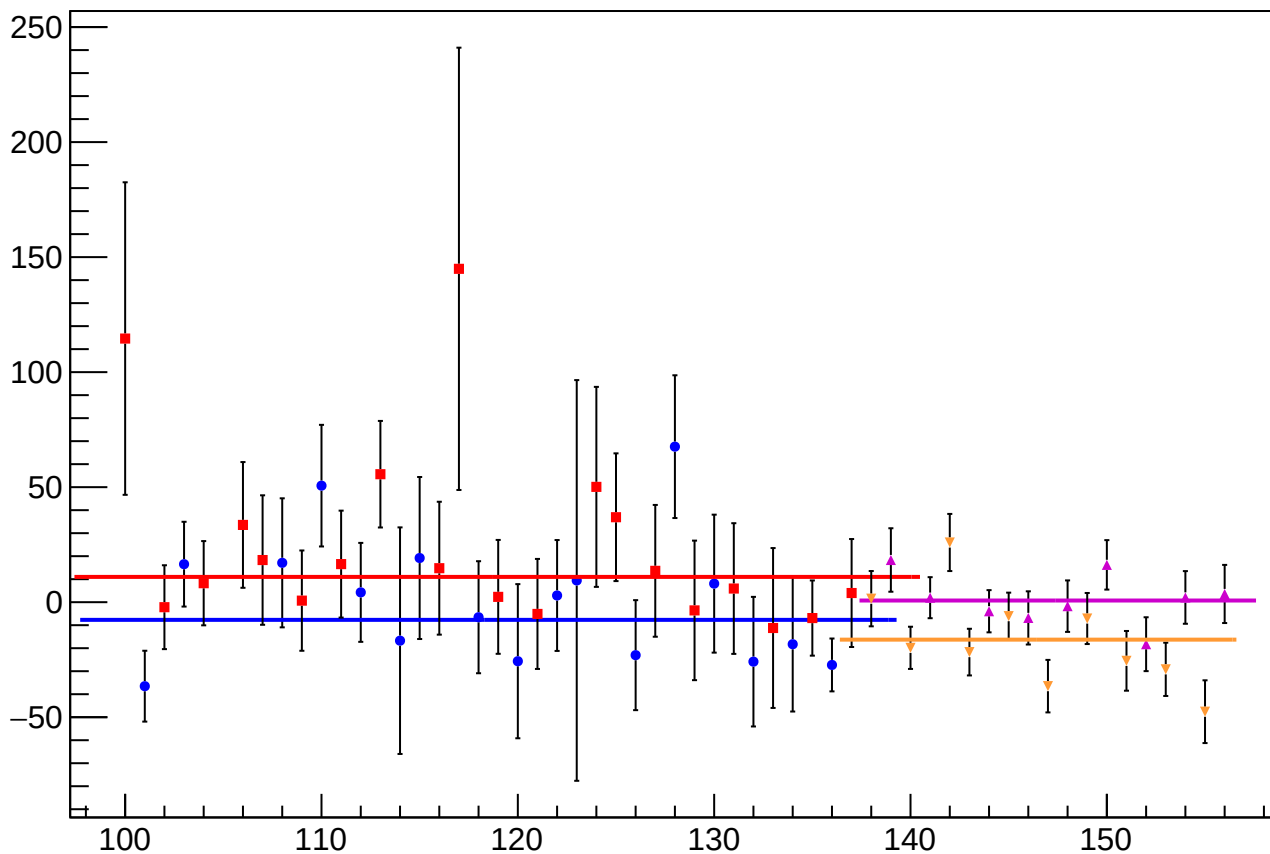
Left In: 318.933 ± 0.084 χ^2/NDF : 210441.0/8

1.792 ± 0.001 χ^2/NDF : 25369459.5/26

1.803 ± 0.001 χ^2/NDF : 50633756.4/55

1.813 ± 0.001 χ^2/NDF : 25264183.8/28

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.683+/-5.627 χ^2/NDF : 22.4/16

Left Out: -16.281+/-3.554 χ^2/NDF : 26.0/9

Right Out: 10.992+/-5.672 χ^2/NDF : 13.8/19

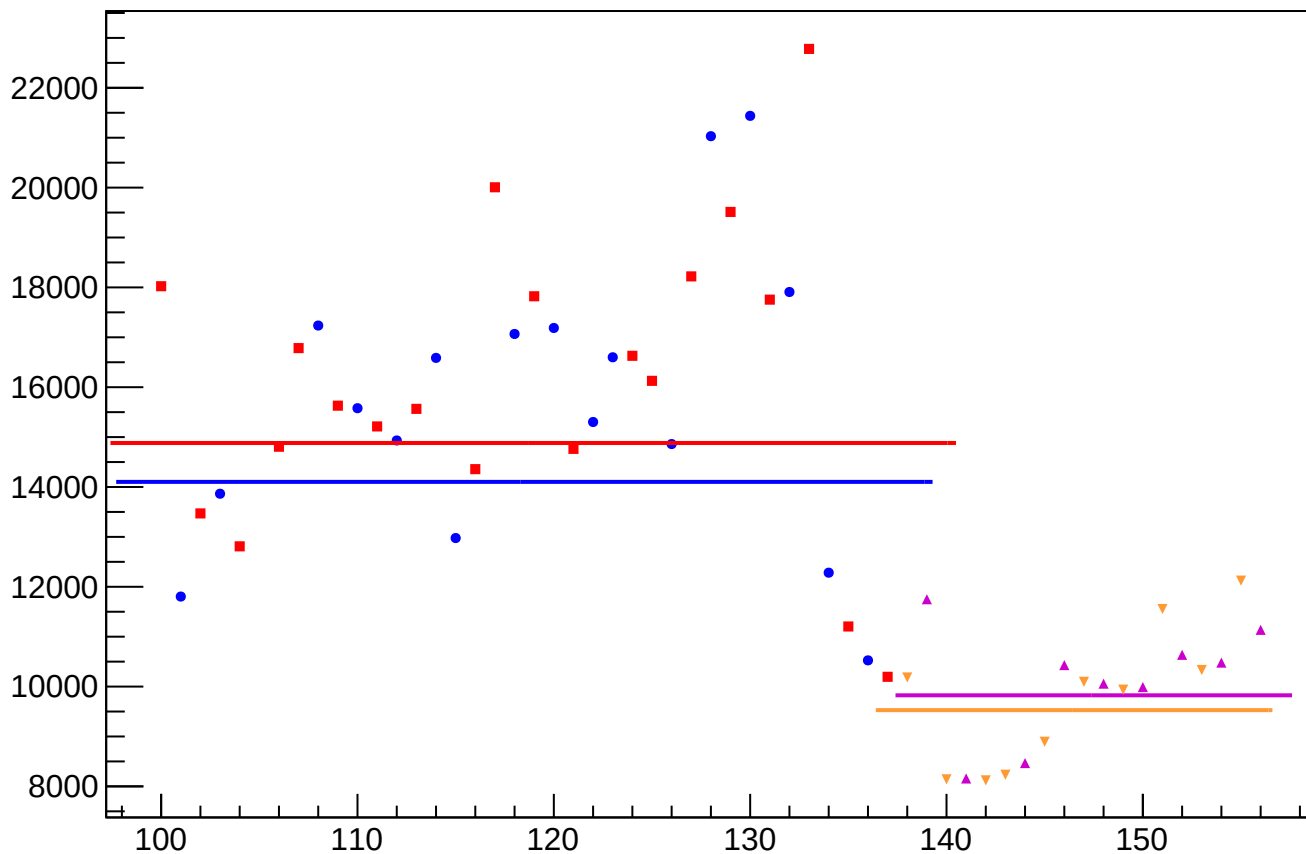
Left In: 0.726+/-3.651 χ^2/NDF : 7.2/8

-13.829+/-3.005 χ^2/NDF : 50.1/26

-5.236+/-2.148 χ^2/NDF : 90.1/55

3.734+/-3.070 χ^2/NDF : 23.3/28

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14102.522 $\pm$ 3.979 χ^2 /NDF: 598934.8/16

Left Out: 9527.364 $\pm$ 2.513 χ^2 /NDF: 256111.3/9

Right Out: 14882.066 $\pm$ 4.011 χ^2 /NDF: 475983.1/19

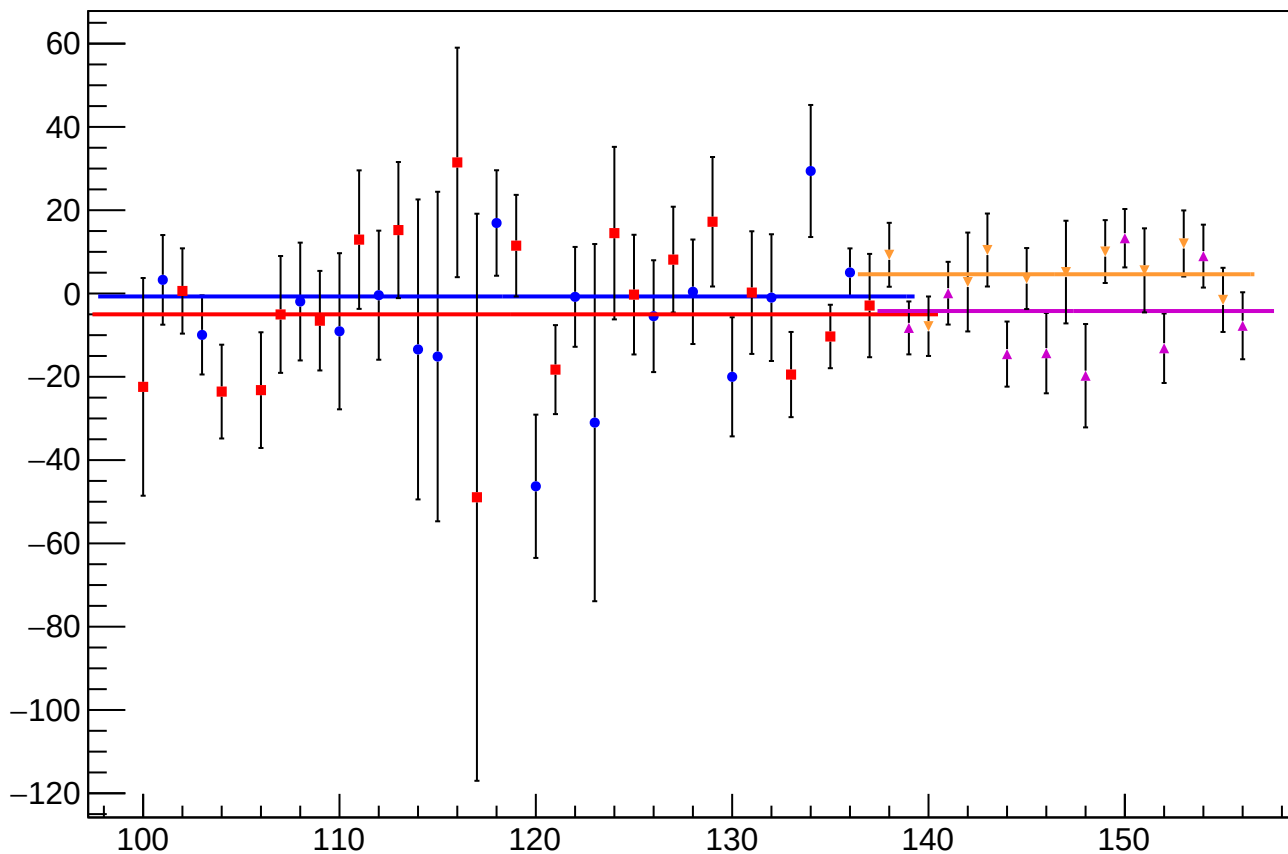
Left In: 9825.186 $\pm$ 2.582 χ^2 /NDF: 197154.7/8

10832.195 $\pm$ 2.125 χ^2 /NDF: 1800066.1/26

11064.382 $\pm$ 1.519 χ^2 /NDF: 3621439.7/5

11306.745 $\pm$ 2.171 χ^2 /NDF: 1796972.0/28

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

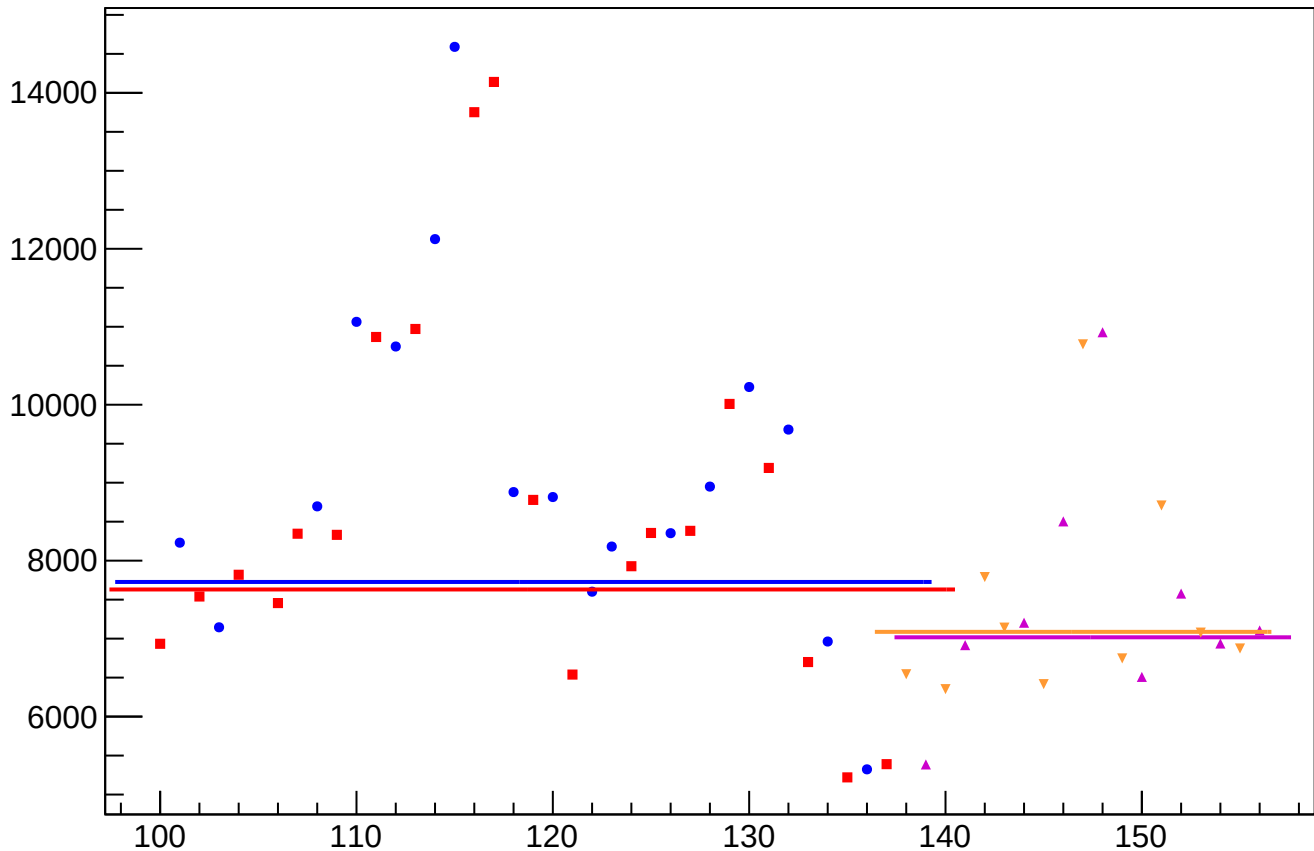
Left In: -4.206 ± 2.638 χ^2/NDF : 15.7/8

2.355 ± 2.011 χ^2/NDF : 25.2/26

-1.187 ± 1.405 χ^2/NDF : 67.2/55

-4.561 ± 1.963 χ^2/NDF : 36.0/28

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7726.745 $\pm$ 2.180 χ^2 /NDF: 742512.8/16

Left Out: 7086.793 $\pm$ 1.876 χ^2 /NDF: 291297.6/9

Right Out: 7630.342 $\pm$ 2.077 χ^2 /NDF: 693444.5/19

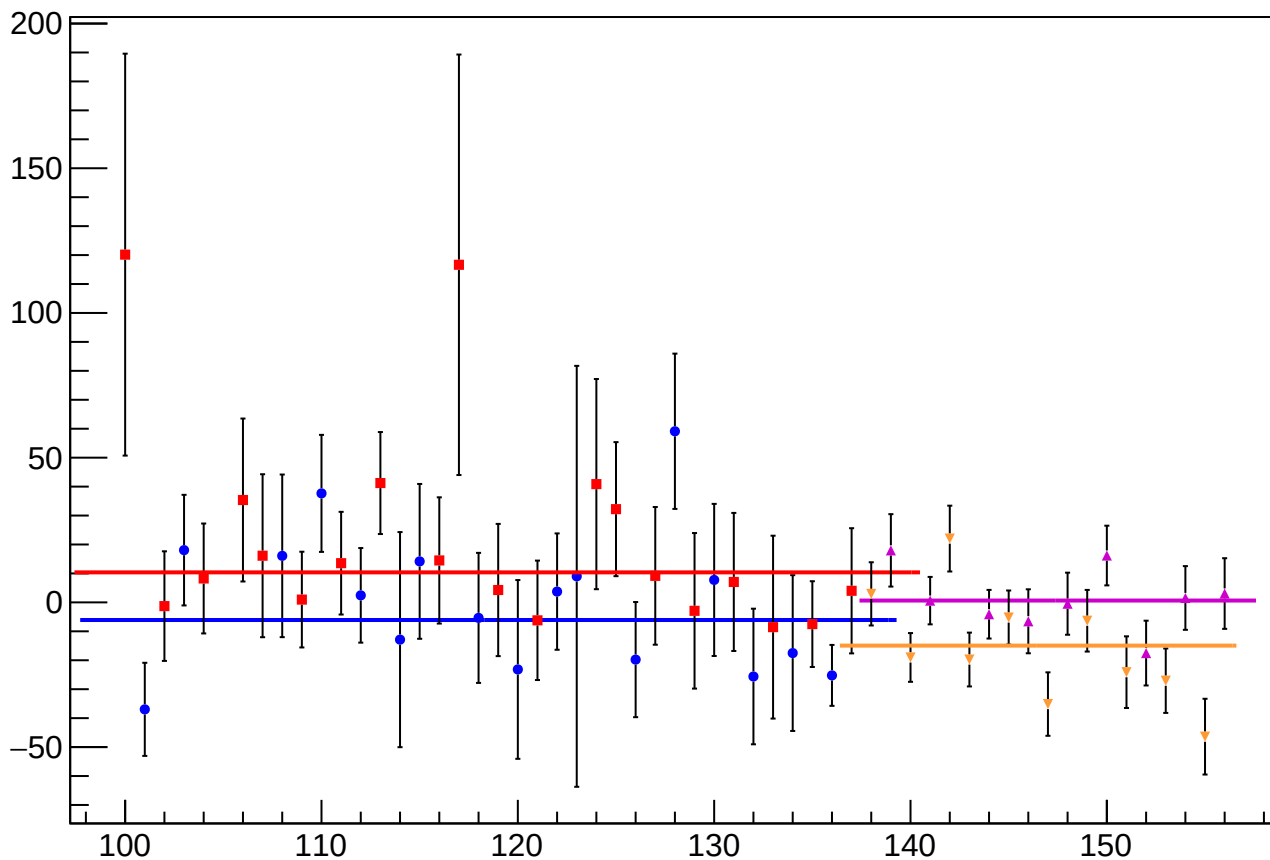
Left In: 7016.847 $\pm$ 1.865 χ^2 /NDF: 399488.4/8

7359.021 $\pm$ 1.422 χ^2 /NDF: 1083310.8/26

7324.080 $\pm$ 0.993 χ^2 /NDF: 2225725.1/55

7290.808 $\pm$ 1.388 χ^2 /NDF: 1141235.8/28

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -6.092 ± 5.034 χ^2/NDF : 22.9/16

Left Out: -14.938 ± 3.318 χ^2/NDF : 26.4/9

Right Out: 10.369 ± 4.992 χ^2/NDF : 13.8/19

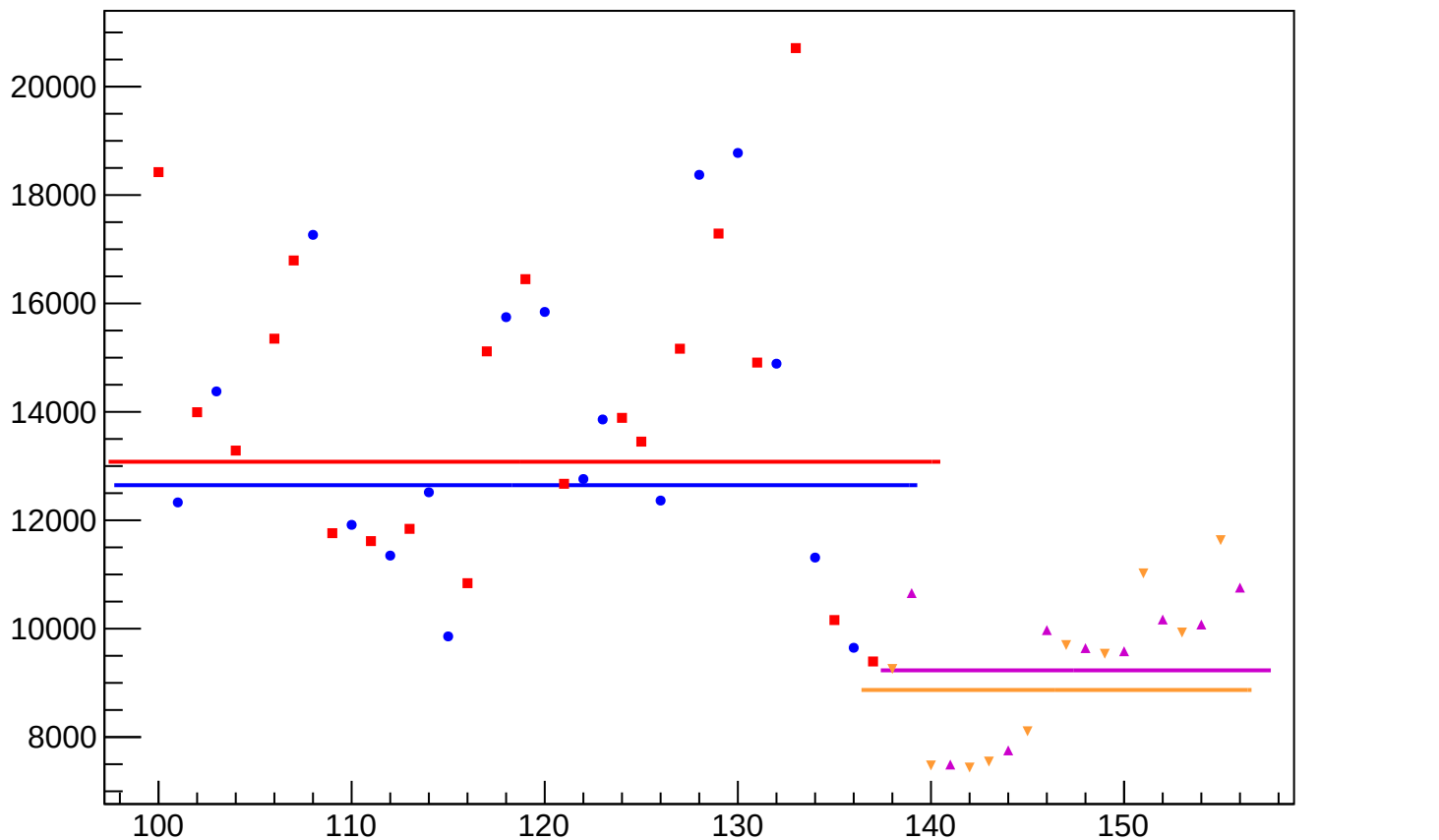
Left In: 0.633 ± 3.437 χ^2/NDF : 7.6/8

-12.259 ± 2.770 χ^2/NDF : 51.4/26

-4.420 ± 1.980 χ^2/NDF : 91.8/55

3.764 ± 2.831 χ^2/NDF : 24.0/28

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12647.257+/-3.559 χ^2/NDF : 554320.4/16

Left Out: 8869.274+/-2.346 χ^2/NDF : 329619.6/9

Right Out: 13079.592+/-3.530 χ^2/NDF : 497851.1/19

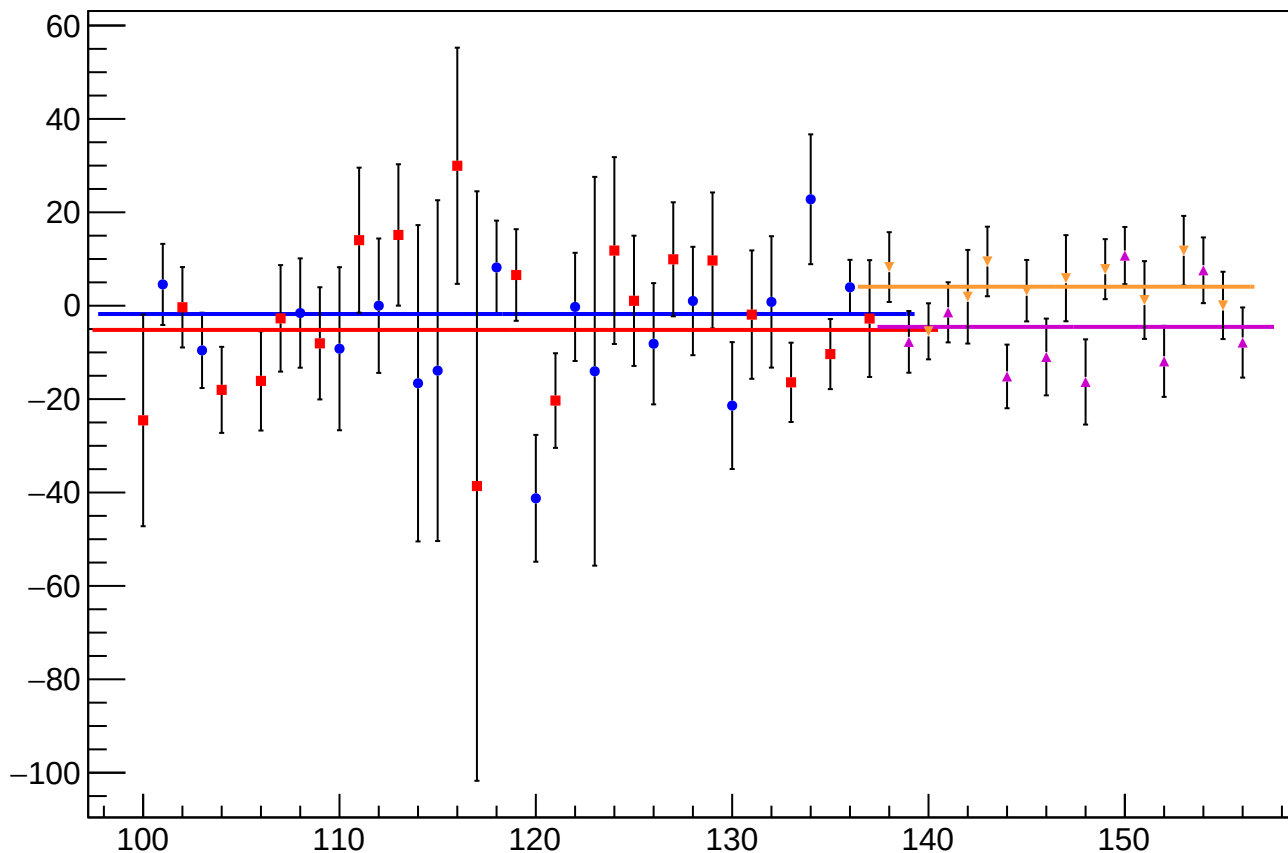
Left In: 9231.325+/-2.430 χ^2/NDF : 249086.0/8

10013.587+/-1.959 χ^2/NDF : 1669316.7/26

10236.292+/-1.400 χ^2/NDF : 3249111.7/5

10468.799+/-2.002 χ^2/NDF : 1553376.1/28

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -1.777 ± 2.806 χ^2/NDF : 18.0/16

Left Out: 4.067 ± 2.329 χ^2/NDF : 5.3/9

Right Out: -5.181 ± 2.640 χ^2/NDF : 19.2/19

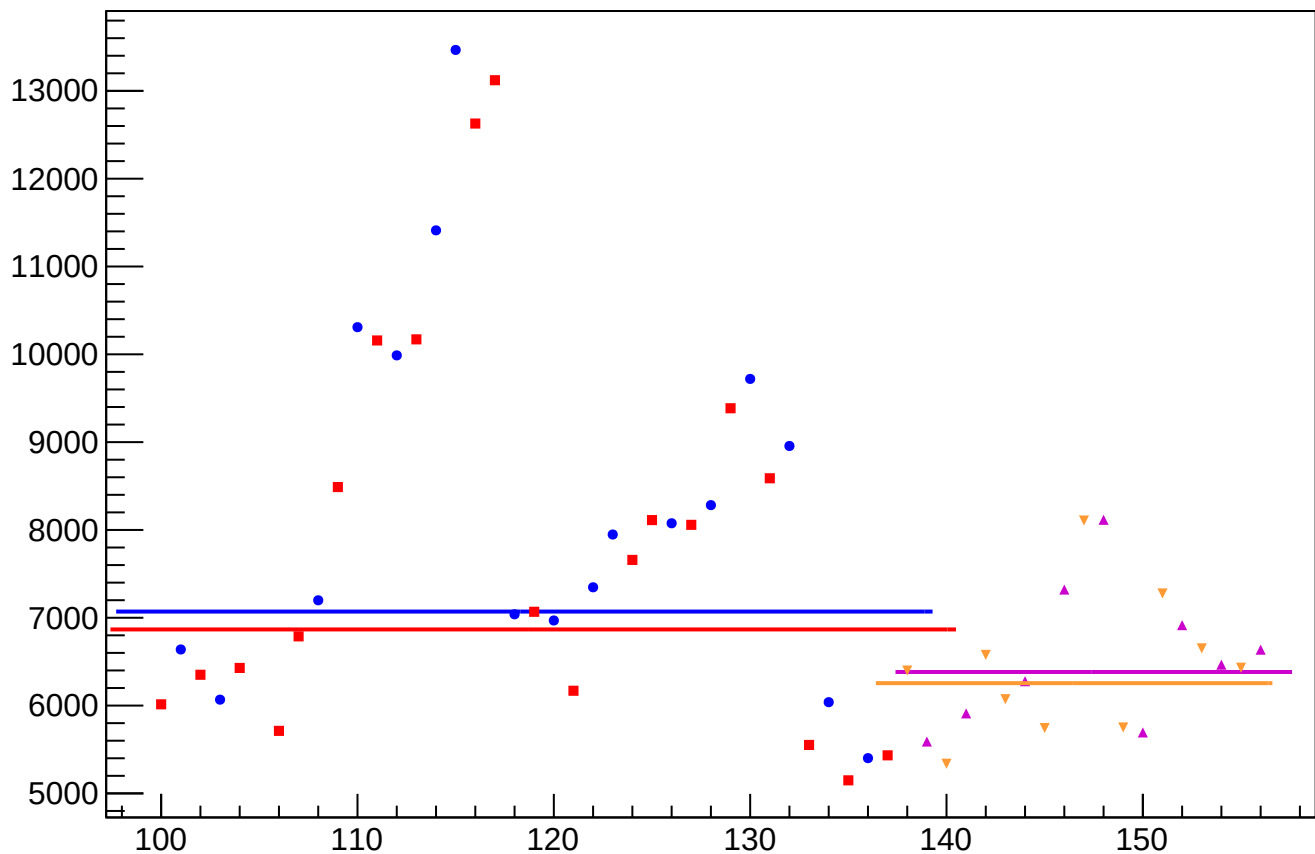
Left In: -4.533 ± 2.375 χ^2/NDF : 15.5/8

1.684 ± 1.792 χ^2/NDF : 25.9/26

-1.618 ± 1.258 χ^2/NDF : 67.3/55

-4.823 ± 1.766 χ^2/NDF : 34.7/28

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7070.672 $\pm$ 1.984 χ^2 /NDF: 601692.5/16

Left Out: 6255.338 $\pm$ 1.647 χ^2 /NDF:192775.1/9

Right Out: 6867.094 $\pm$ 1.866 χ^2 /NDF: 701892.5/19

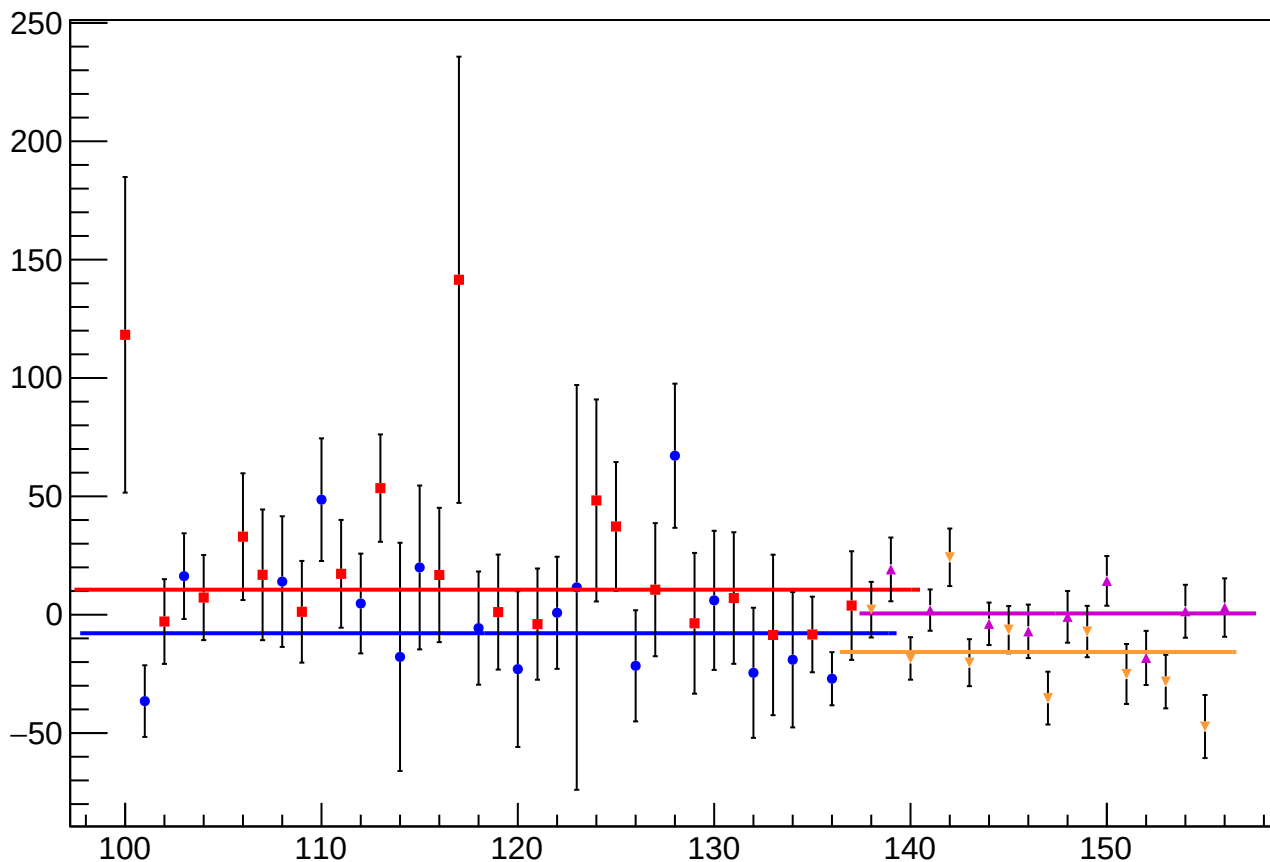
Left In: 6382.633 $\pm$ 1.680 χ^2 /NDF:175834.7/8

6587.833 $\pm$ 1.267 χ^2 /NDF: 894466.2/26

6593.711 $\pm$ 0.889 χ^2 /NDF: 1809460.5/55

6599.418 $\pm$ 1.249 χ^2 /NDF: 914951.9/28

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

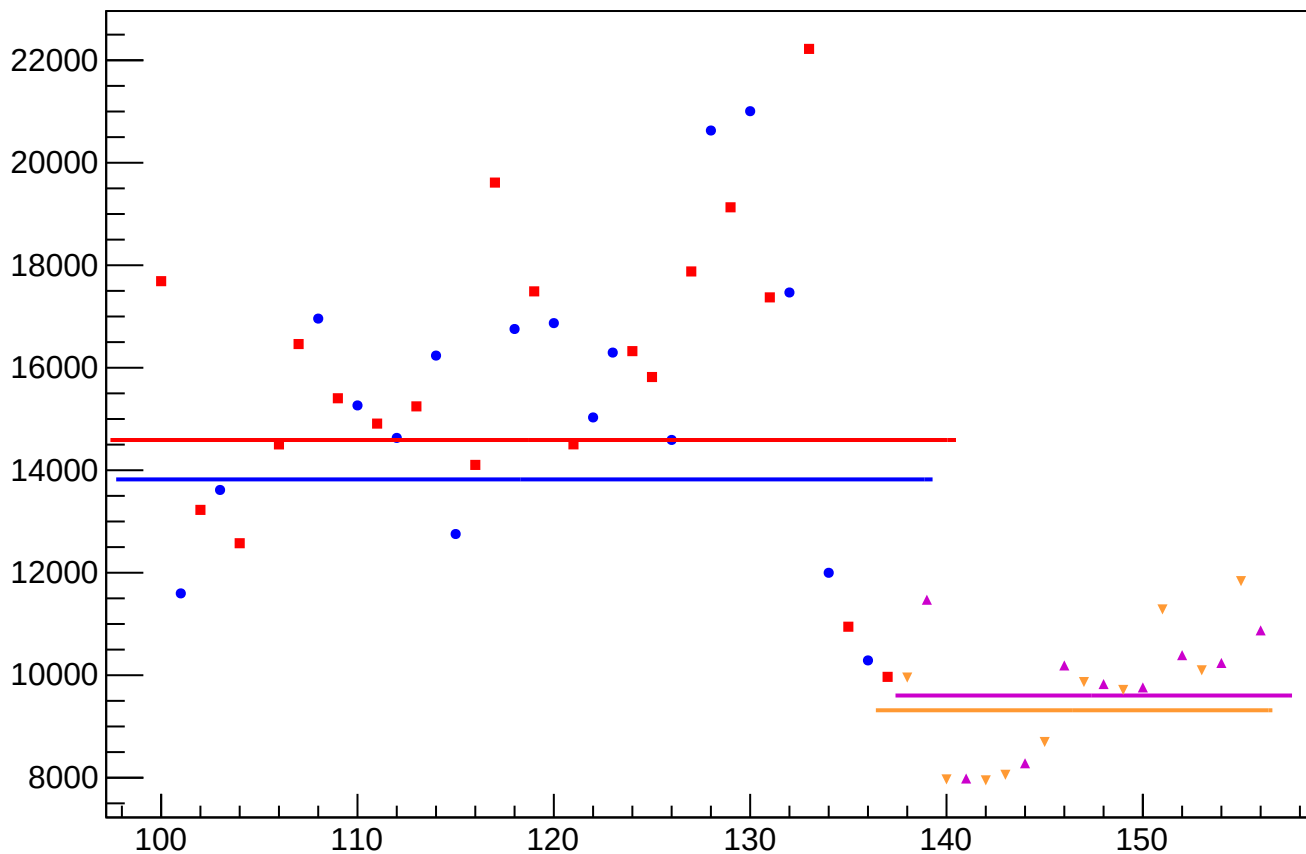
Left In: 0.537 ± 3.569 χ^2/NDF : 7.1/8

-13.506 ± 2.940 χ^2/NDF : 49.1/26

-5.202 ± 2.101 χ^2/NDF : 89.0/55

3.464 ± 3.004 χ^2/NDF : 23.5/28

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13821.195 $\pm$ 3.900 χ^2/NDF : 602672.4/16

Left Out: 9315.986 $\pm$ 2.457 χ^2/NDF :253163.0/9

Right Out: 14589.989 $\pm$ 3.933 χ^2/NDF : 478169.1/19

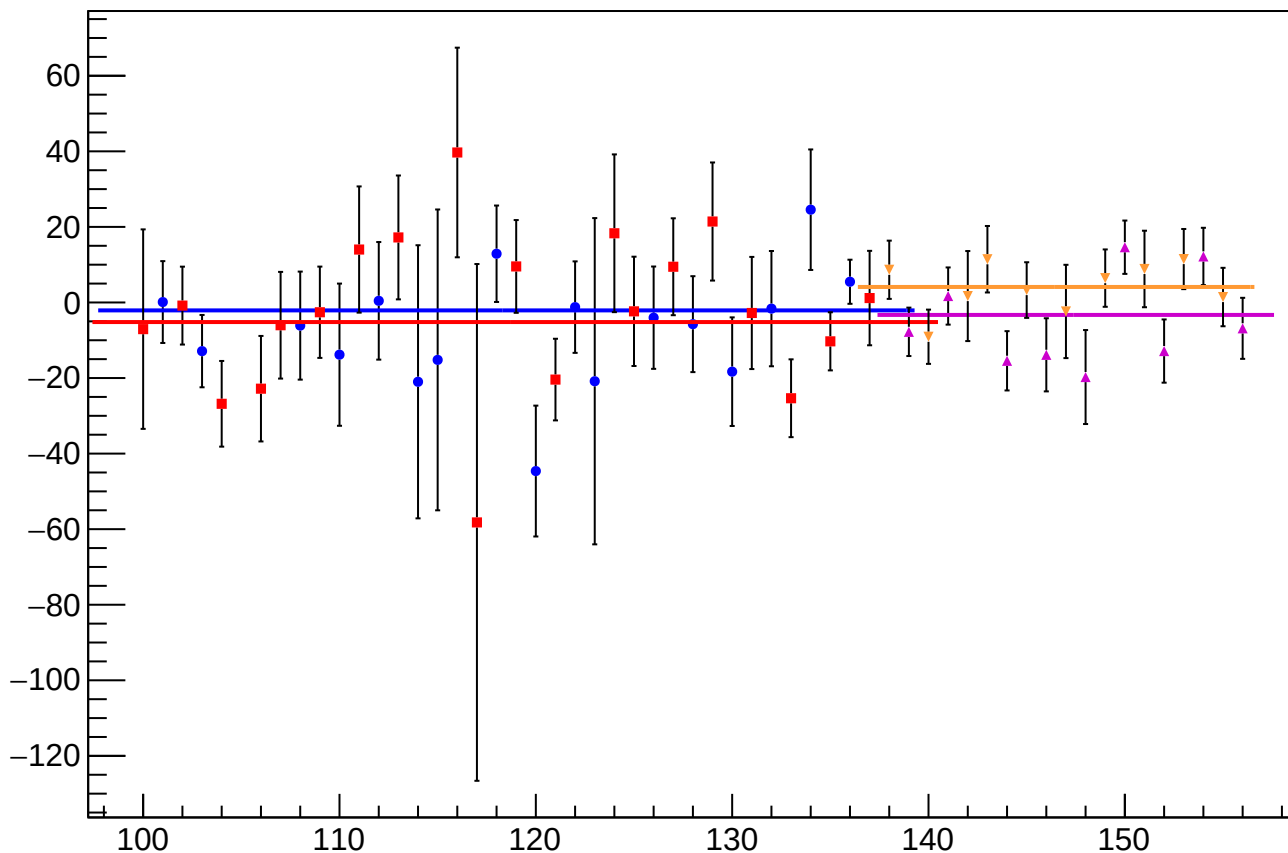
Left In: 9604.191 $\pm$ 2.524 χ^2/NDF :194556.5/8

10596.100 $\pm$ 2.079 χ^2/NDF : 1810998.2/26

10822.348 $\pm$ 1.486 χ^2/NDF : 3646469.0/5

11058.467 $\pm$ 2.124 χ^2/NDF : 1811268.3/28

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

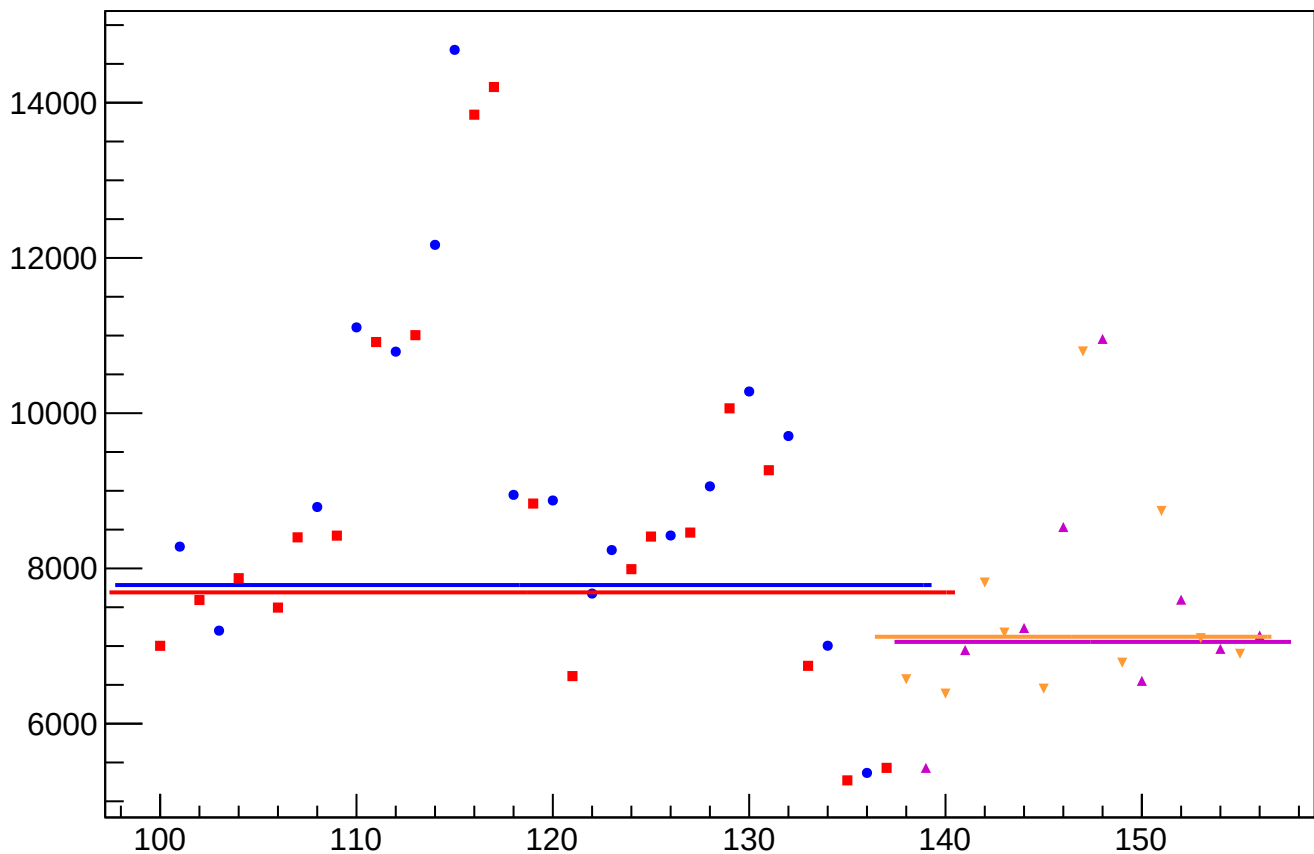
Left In: -3.297 $\pm$ 2.651 χ^2/NDF : 18.4/8

1.476 $\pm$ 2.023 χ^2/NDF : 24.0/26

-1.398 $\pm$ 1.413 χ^2/NDF : 71.9/55

-4.137 $\pm$ 1.975 χ^2/NDF : 44.0/28

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7785.931 $\pm$ 2.197 χ^2 /NDF: 738101.9/16

Left Out: 7119.875 $\pm$ 1.884 χ^2 /NDF: 288344.5/9

Right Out: 7691.398 $\pm$ 2.093 χ^2 /NDF: 686898.9/19

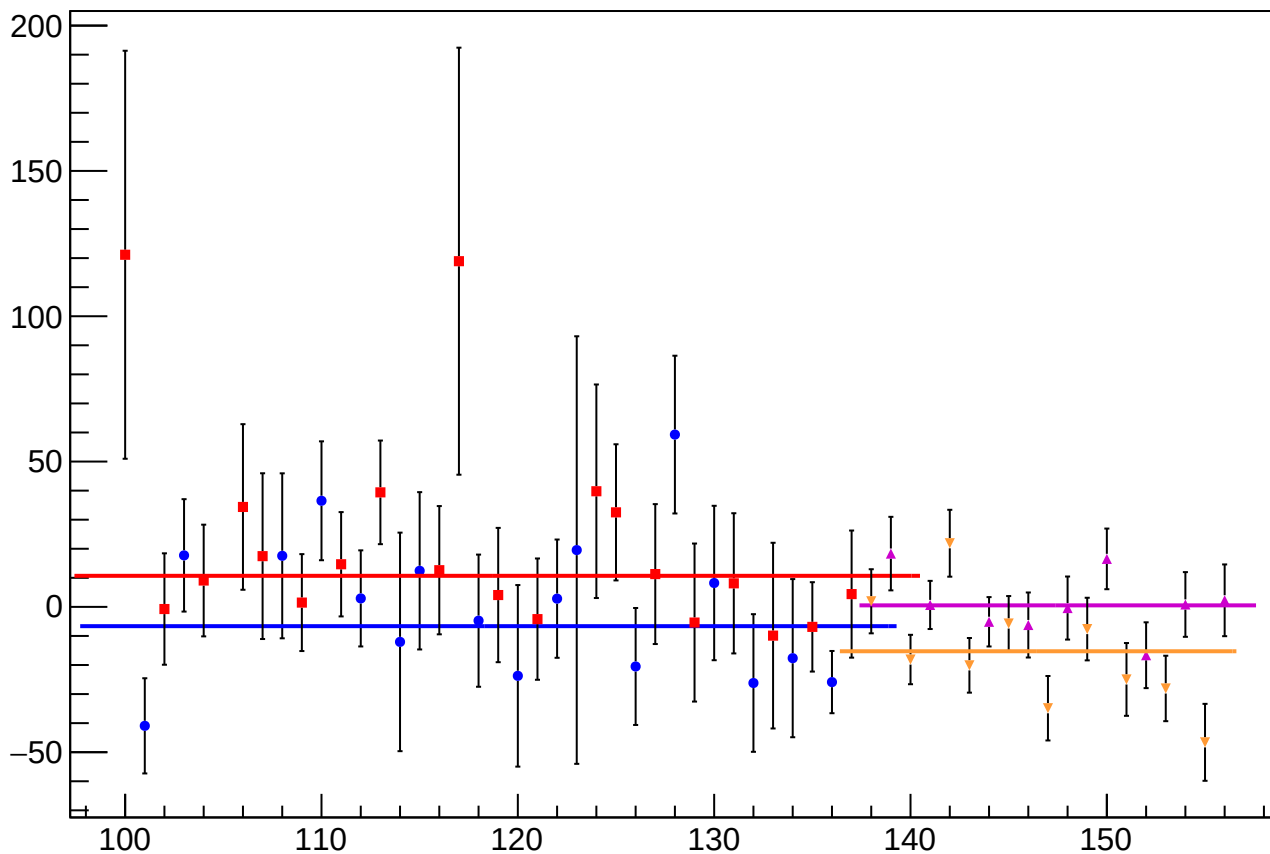
Left In: 7053.431 $\pm$ 1.874 χ^2 /NDF: 392696.1/8

7402.234 $\pm$ 1.430 χ^2 /NDF: 1079412.0/26

7369.052 $\pm$ 0.999 χ^2 /NDF: 2211626.0/55

7337.428 $\pm$ 1.396 χ^2 /NDF: 1131162.8/28

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -6.634 ± 5.101 χ^2/NDF : 23.4/16

Left Out: -15.268 ± 3.354 χ^2/NDF : 25.4/9

Right Out: 10.688 ± 5.063 χ^2/NDF : 13.0/19

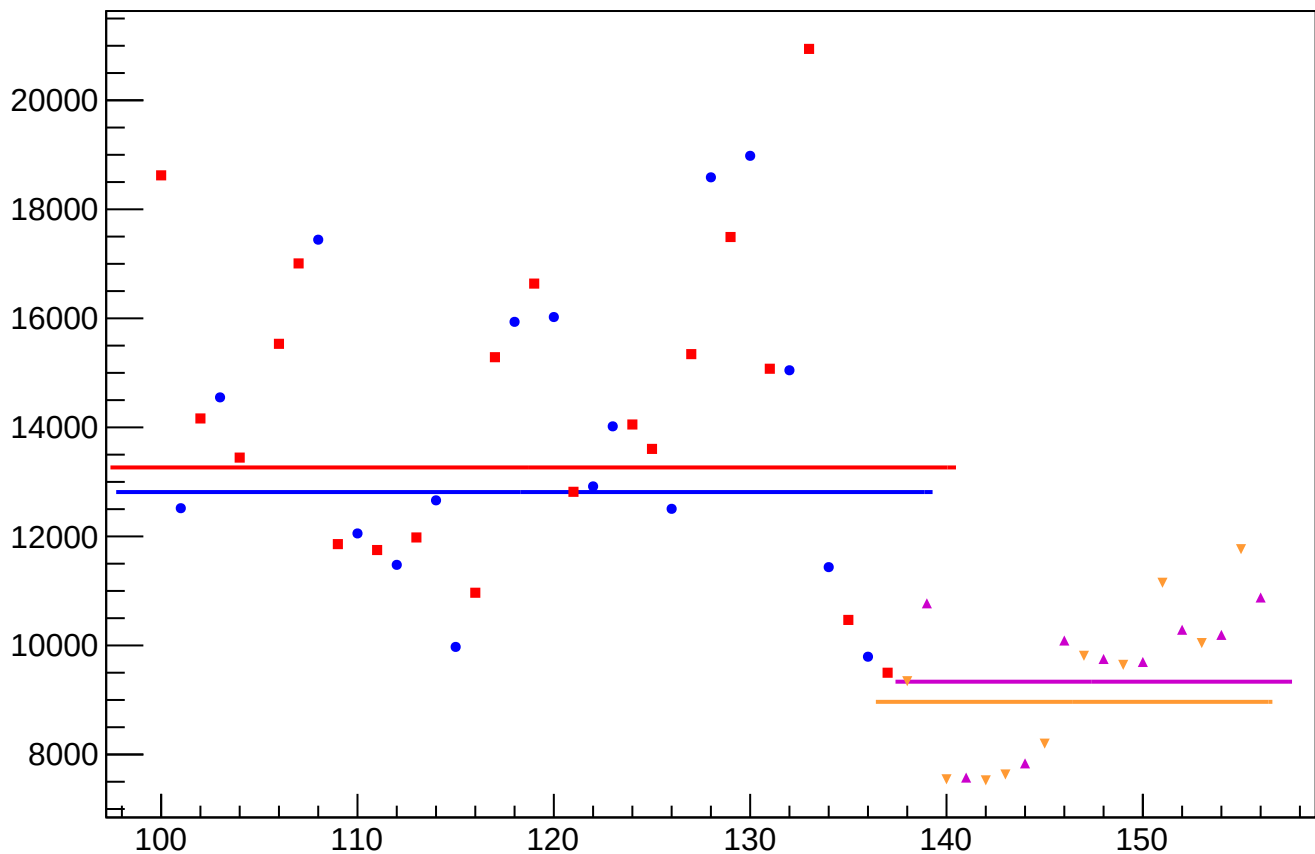
Left In: 0.524 ± 3.475 χ^2/NDF : 7.5/8

-12.662 ± 2.803 χ^2/NDF : 50.8/26

-4.623 ± 2.004 χ^2/NDF : 90.8/55

3.779 ± 2.865 χ^2/NDF : 23.2/28

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12813.726 $\pm$ 3.607 χ^2/NDF : 548127.6/16

Left Out: 8965.719 $\pm$ 2.372 χ^2/NDF :331173.0/9

Right Out: 13265.185 $\pm$ 3.580 χ^2/NDF : 485810.1/19

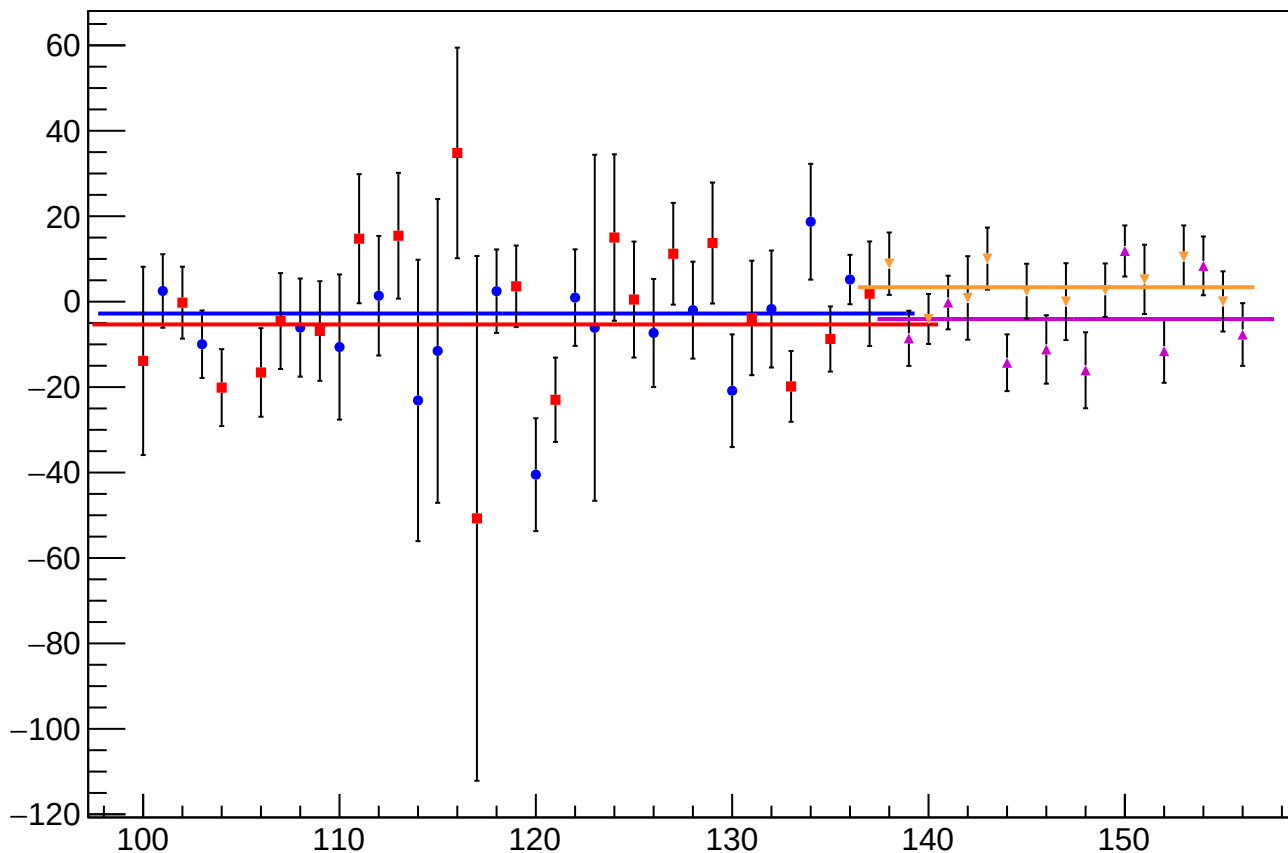
Left In: 9335.146 $\pm$ 2.457 χ^2/NDF :250093.4/8

10127.225 $\pm$ 1.982 χ^2/NDF : 1673785.9/26

10355.427 $\pm$ 1.417 χ^2/NDF : 3255978.7/5

10593.926 $\pm$ 2.026 χ^2/NDF : 1555076.1/28

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -2.778 $\pm$ 2.747 χ^2/NDF : 17.0/16

Left Out: 3.381 $\pm$ 2.272 χ^2/NDF : 4.5/9

Right Out: -5.332 $\pm$ 2.587 χ^2/NDF : 24.1/19

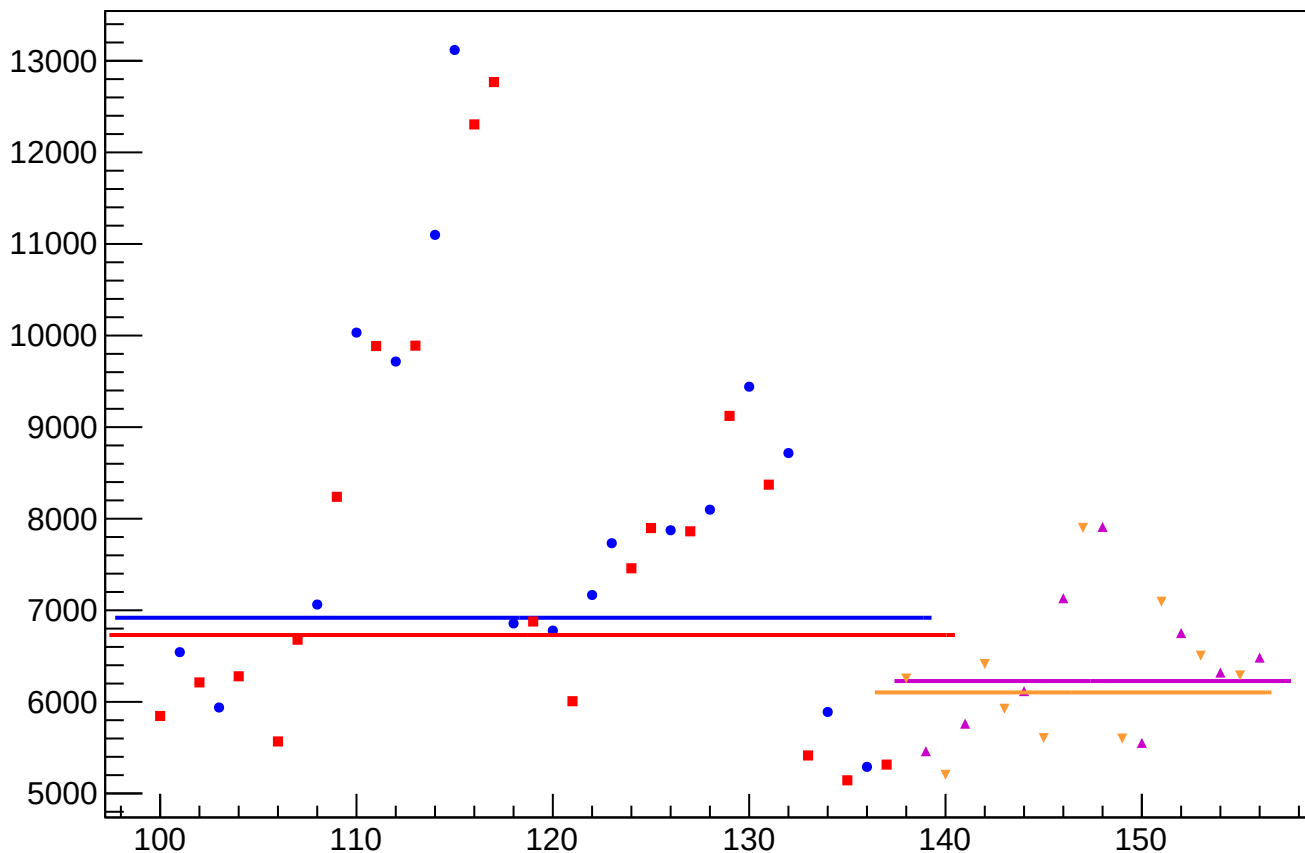
Left In: -4.066 $\pm$ 2.318 χ^2/NDF : 17.5/8

0.879 $\pm$ 1.751 χ^2/NDF : 24.5/26

-1.914 $\pm$ 1.229 χ^2/NDF : 71.2/55

-4.630 $\pm$ 1.726 χ^2/NDF : 41.7/28

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6918.554 $\pm$ 1.943 χ^2/NDF : 587976.6/16

Left Out: 6103.122 $\pm$ 1.606 χ^2/NDF : 193618.5/9

Right Out: 6730.137 $\pm$ 1.830 χ^2/NDF : 673193.1/19

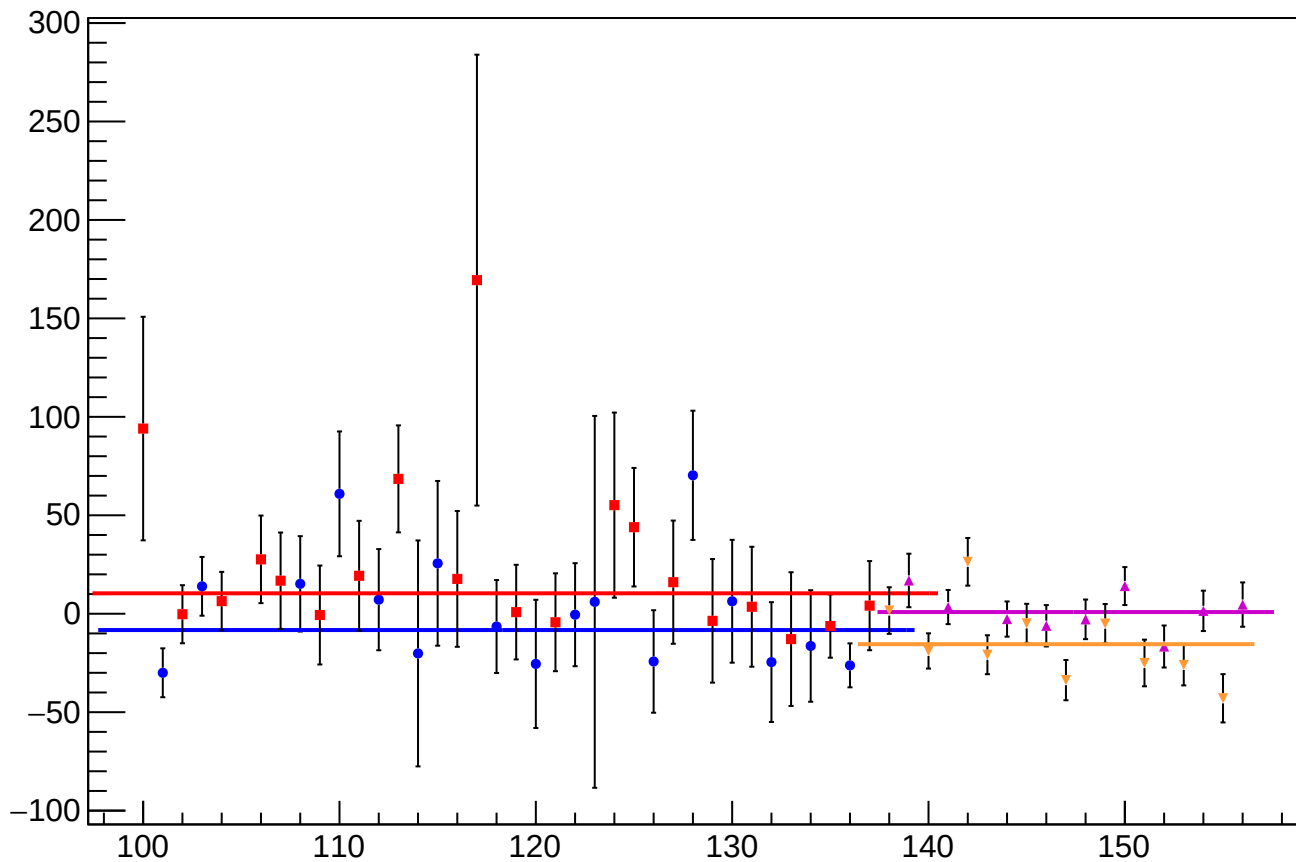
Left In: 6227.465 $\pm$ 1.639 χ^2/NDF : 175137.2/8

6434.316 $\pm$ 1.238 χ^2/NDF : 886239.8/26

6442.900 $\pm$ 0.869 χ^2/NDF : 1776548.8/55

6451.246 $\pm$ 1.221 χ^2/NDF : 890214.2/28

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.286 ± 5.410 χ^2/NDF : 21.7/16

Left Out: -15.470 ± 3.342 χ^2/NDF : 26.6/9

Right Out: 10.376 ± 5.507 χ^2/NDF : 14.8/19

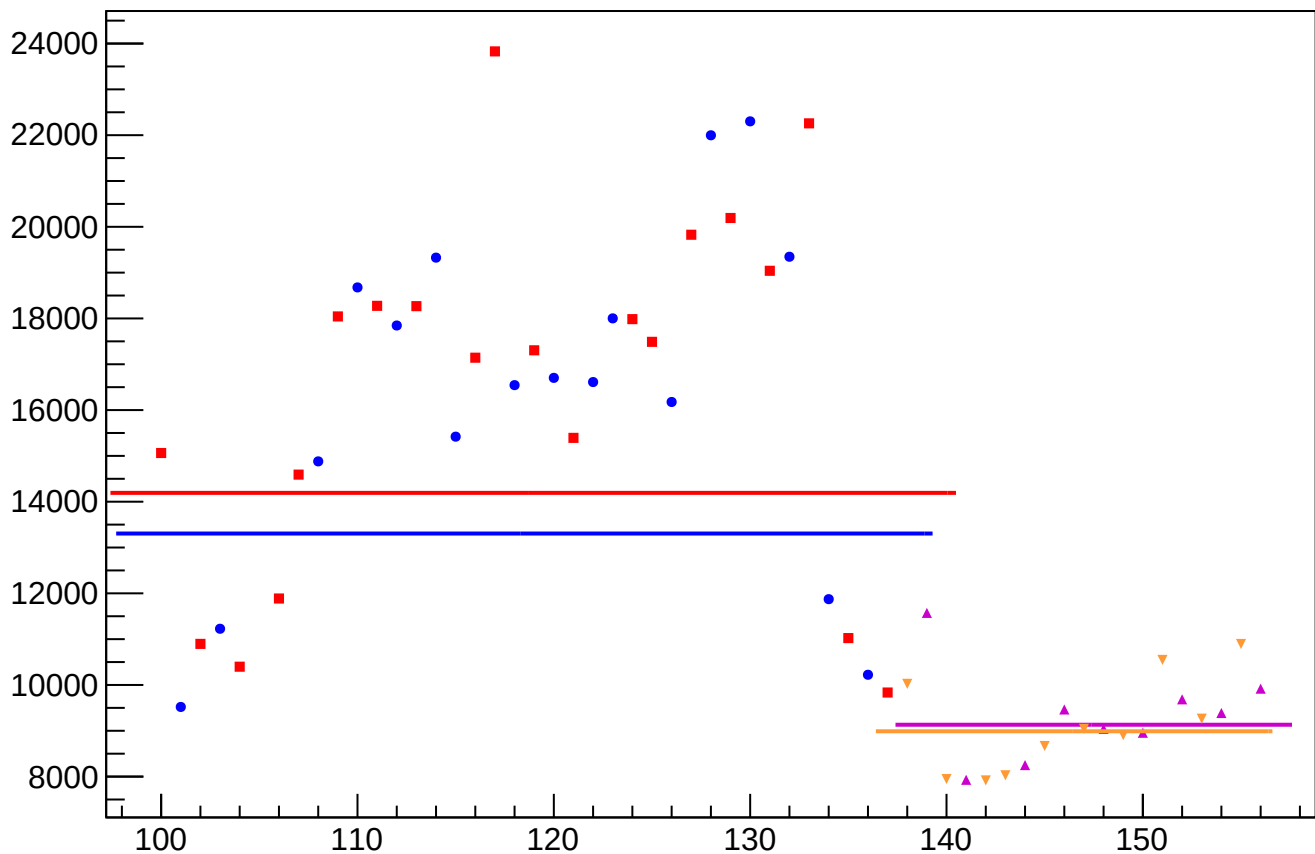
Left In: 0.856 ± 3.388 χ^2/NDF : 6.9/8

-13.486 ± 2.843 χ^2/NDF : 49.6/26

-5.133 ± 2.025 χ^2/NDF : 91.0/55

3.470 ± 2.886 χ^2/NDF : 23.9/28

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13305.410+/-3.826 χ^2/NDF : 1044091.1/16

Left Out: 8989.208+/-2.363 χ^2/NDF : 163619.1/9

Right Out: 14193.006+/-3.894 χ^2/NDF : 944809.1/19

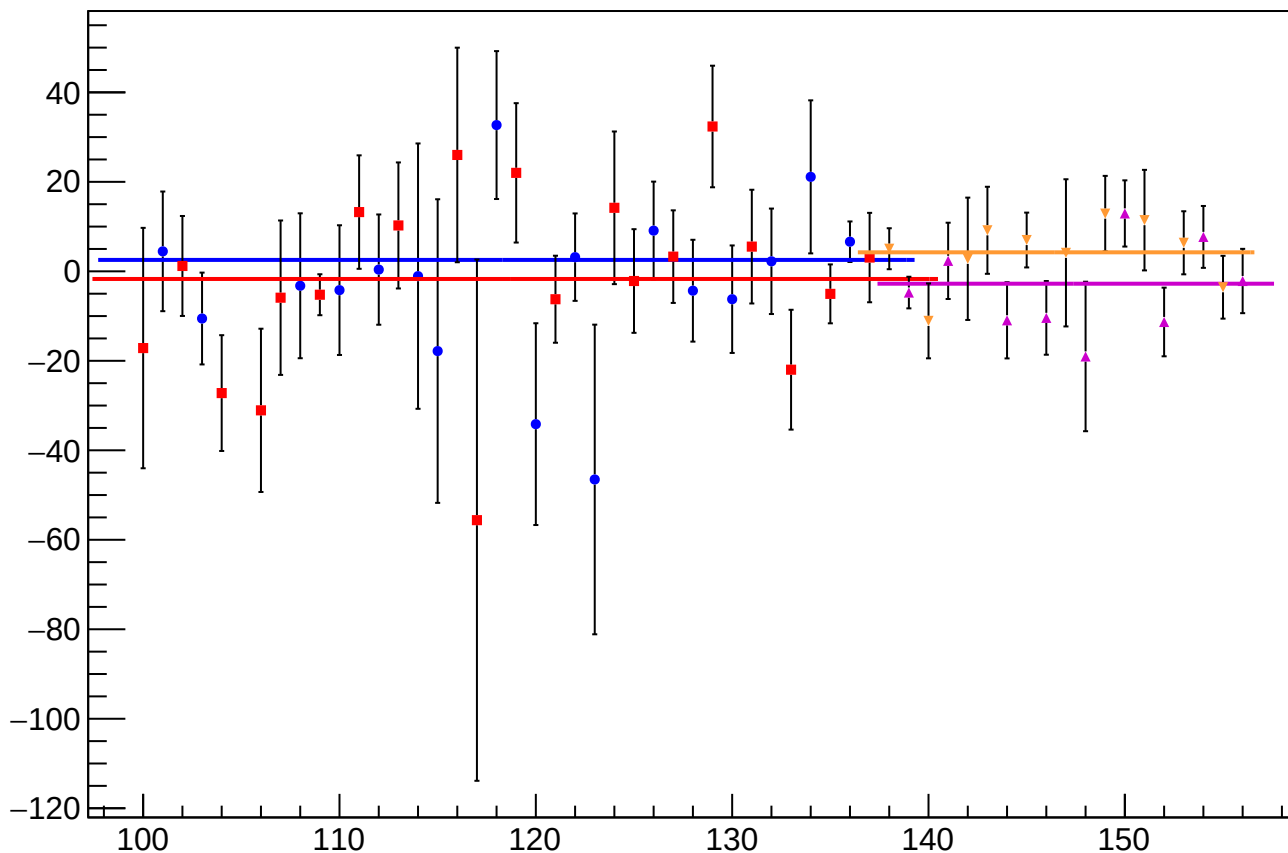
Left In: 9131.826+/-2.396 χ^2/NDF : 141633.7/8

10181.344+/-2.011 χ^2/NDF : 2129082.8/26

10348.919+/-1.432 χ^2/NDF : 4455203.8/5

10521.509+/-2.040 χ^2/NDF : 2312018.8/28

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.551 $\pm$ 2.757 χ^2/NDF : 13.6/16

Left Out: 4.248 $\pm$ 2.421 χ^2/NDF : 6.6/9

Right Out: -1.708 $\pm$ 2.440 χ^2/NDF : 24.9/19

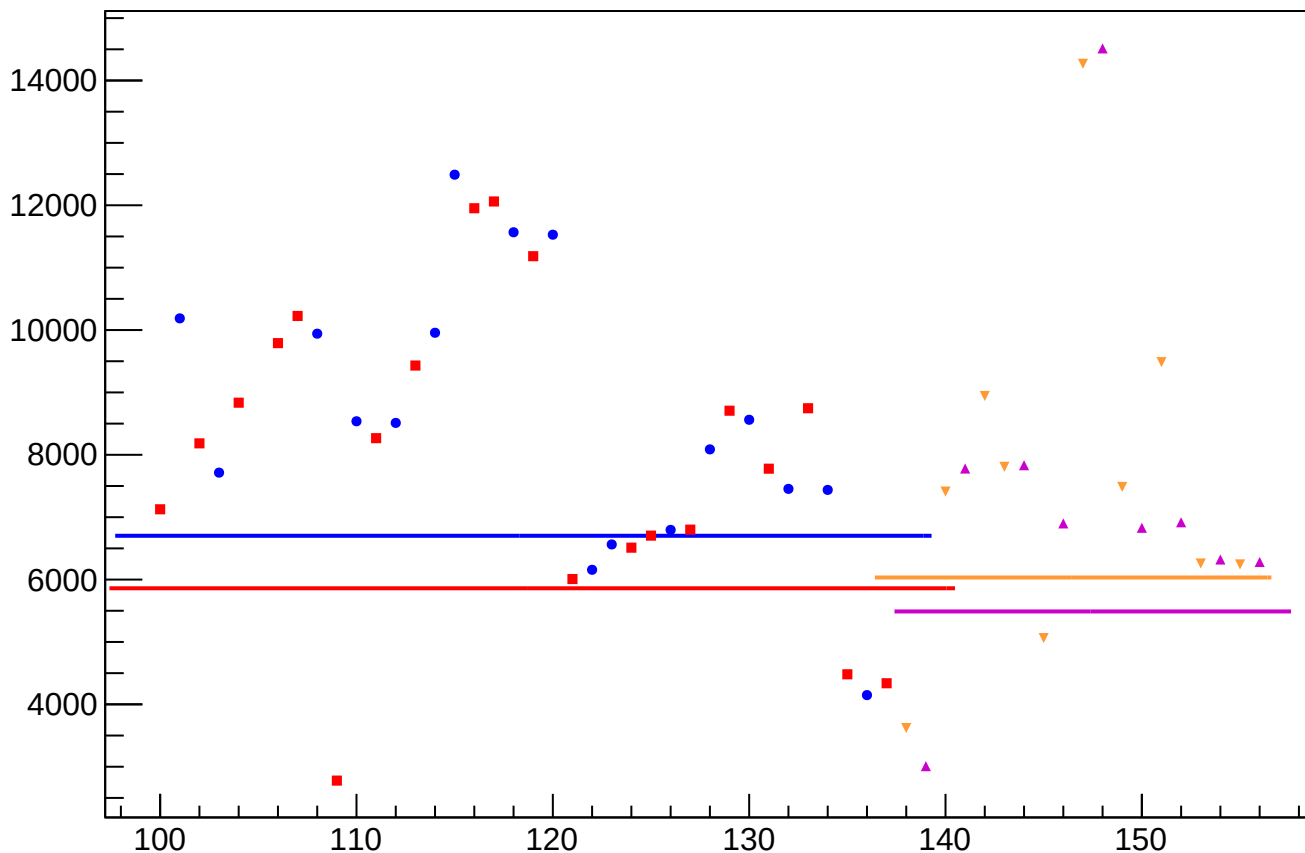
Left In: -2.766 $\pm$ 2.228 χ^2/NDF : 11.4/8

3.509 $\pm$ 1.819 χ^2/NDF : 20.5/26

0.322 $\pm$ 1.220 χ^2/NDF : 62.5/55

-2.285 $\pm$ 1.645 χ^2/NDF : 36.4/28

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6702.245+/-1.949 χ^2/NDF : 1389956.8/16

Left Out: 6033.411+/-1.712 χ^2/NDF : 1570393.9/9

Right Out: 5860.505+/-1.725 χ^2/NDF : 2301163.3/19

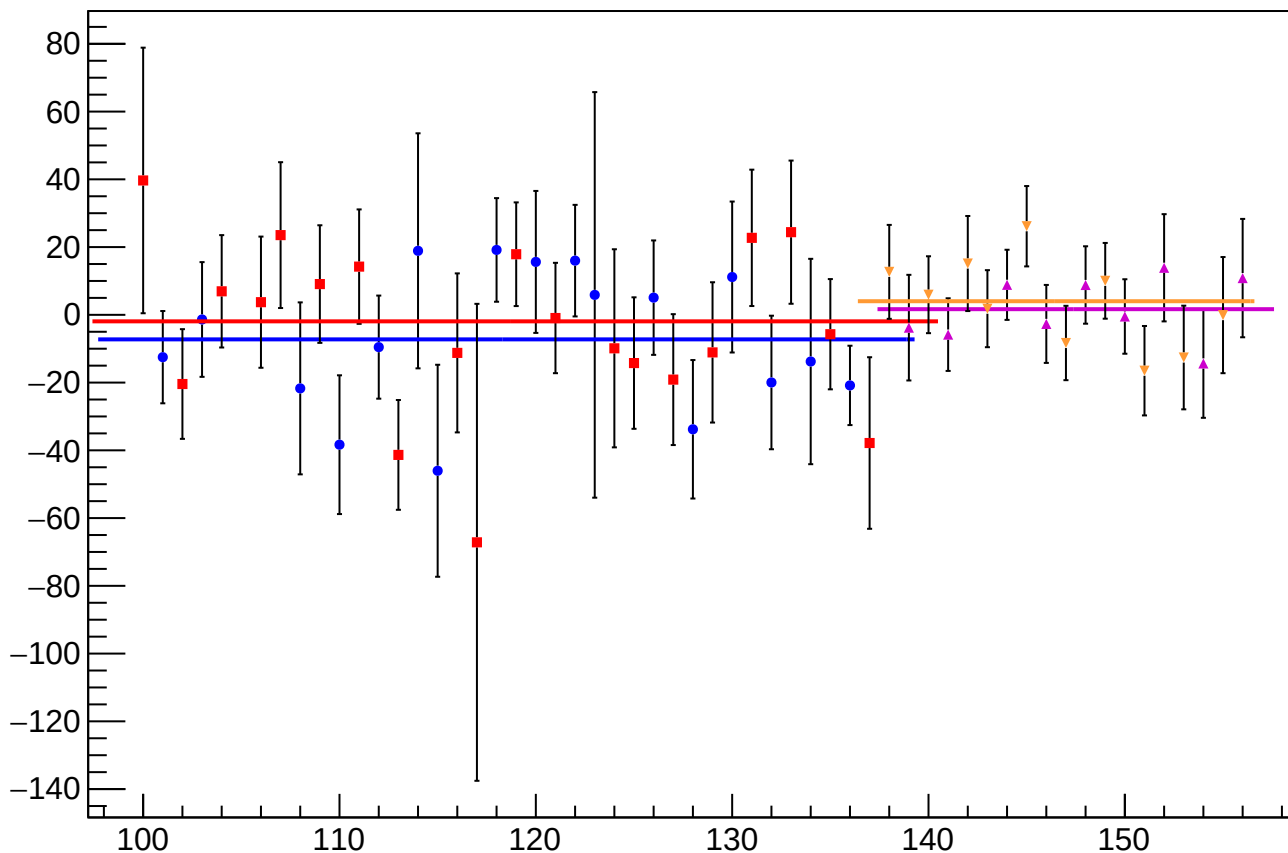
Left In: 5489.040+/-1.575 χ^2/NDF : 2111510.0/8

6324.644+/-1.286 χ^2/NDF : 3026812.6/26

5957.927+/-0.863 χ^2/NDF : 7612526.2/55

5657.928+/-1.163 χ^2/NDF : 4437948.8/28

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -7.245 $\pm$ 4.547 χ^2/NDF : 15.9/16

Left Out: 4.019 $\pm$ 3.997 χ^2/NDF : 9.8/9

Right Out: -1.922 $\pm$ 4.365 χ^2/NDF : 20.7/19

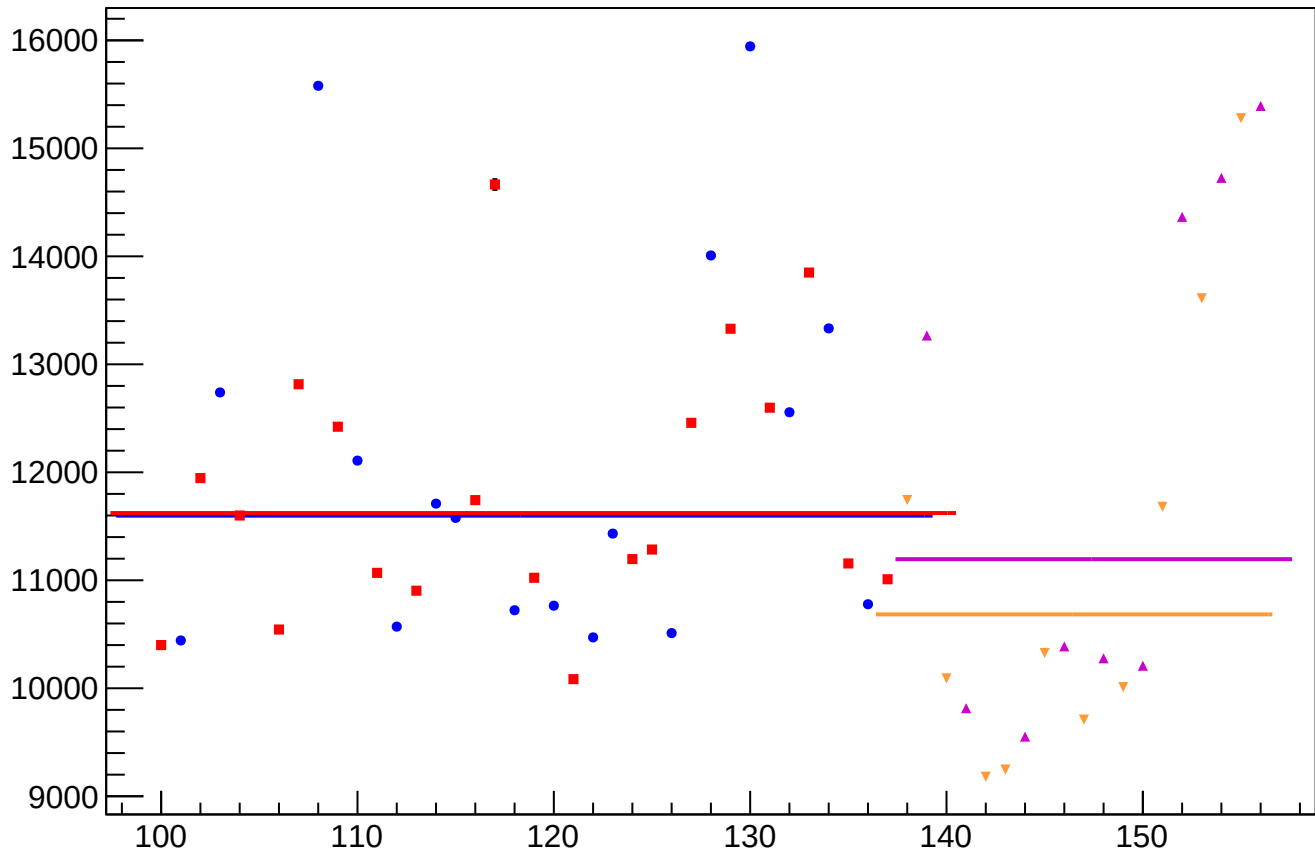
Left In: 1.670 $\pm$ 4.197 χ^2/NDF : 3.5/8

-0.891 $\pm$ 3.002 χ^2/NDF : 29.2/26

-0.477 $\pm$ 2.131 χ^2/NDF : 53.8/55

-0.056 $\pm$ 3.025 χ^2/NDF : 24.6/28

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11598.751+/-3.215 χ^2/NDF : 235423.8/16

Left Out: 10684.274+/-2.826 χ^2/NDF : 325100.3/9

Right Out: 11622.681+/-3.086 χ^2/NDF : 98197.0/19

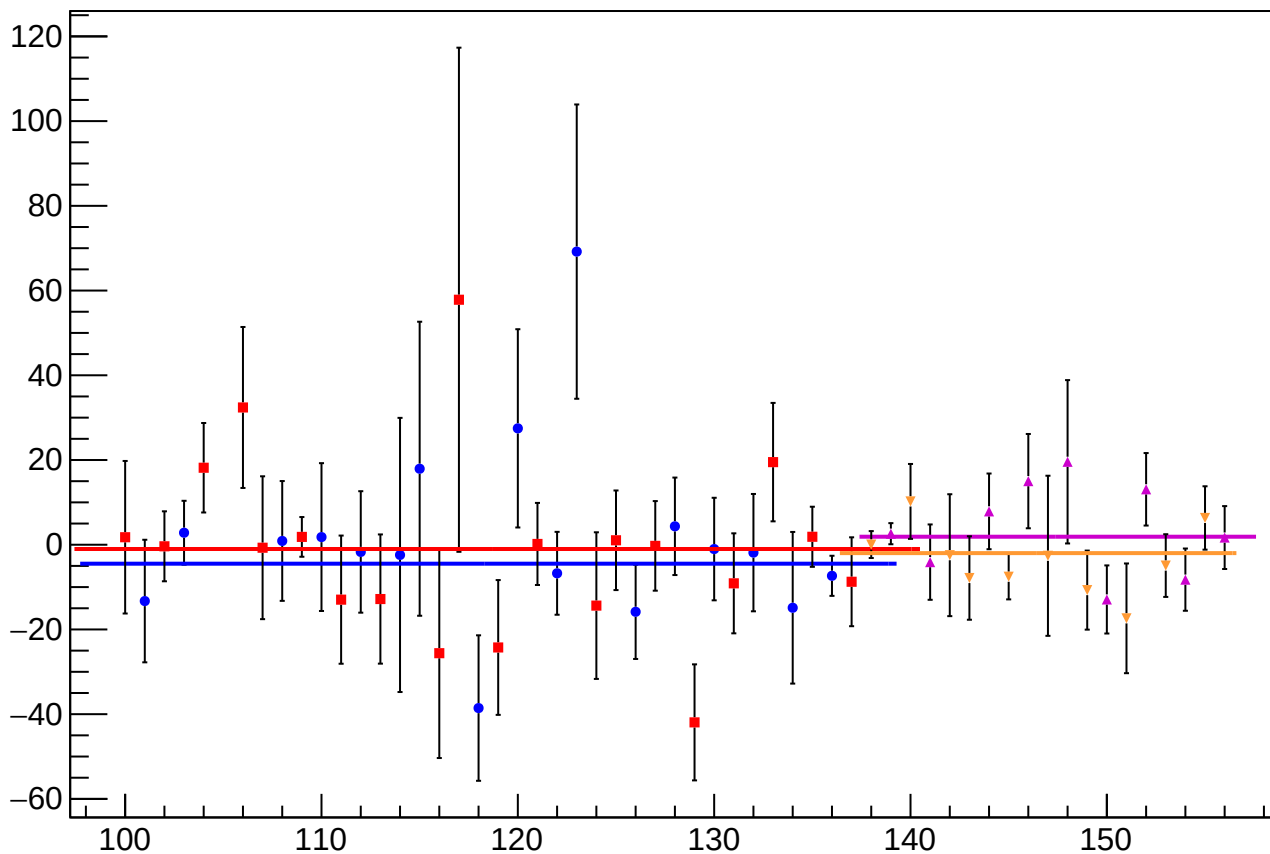
Left In: 11195.572+/-2.967 χ^2/NDF : 450178.6/8

11082.892+/-2.123 χ^2/NDF : 606159.1/26

11240.601+/-1.507 χ^2/NDF : 1175611.5/5

11400.745+/-2.139 χ^2/NDF : 558327.5/28

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -4.476 $\pm$ 2.782 χ^2/NDF : 14.8/16

Left Out: -1.980 $\pm$ 2.141 χ^2/NDF : 7.4/9

Right Out: -1.007 $\pm$ 2.427 χ^2/NDF : 25.0/19

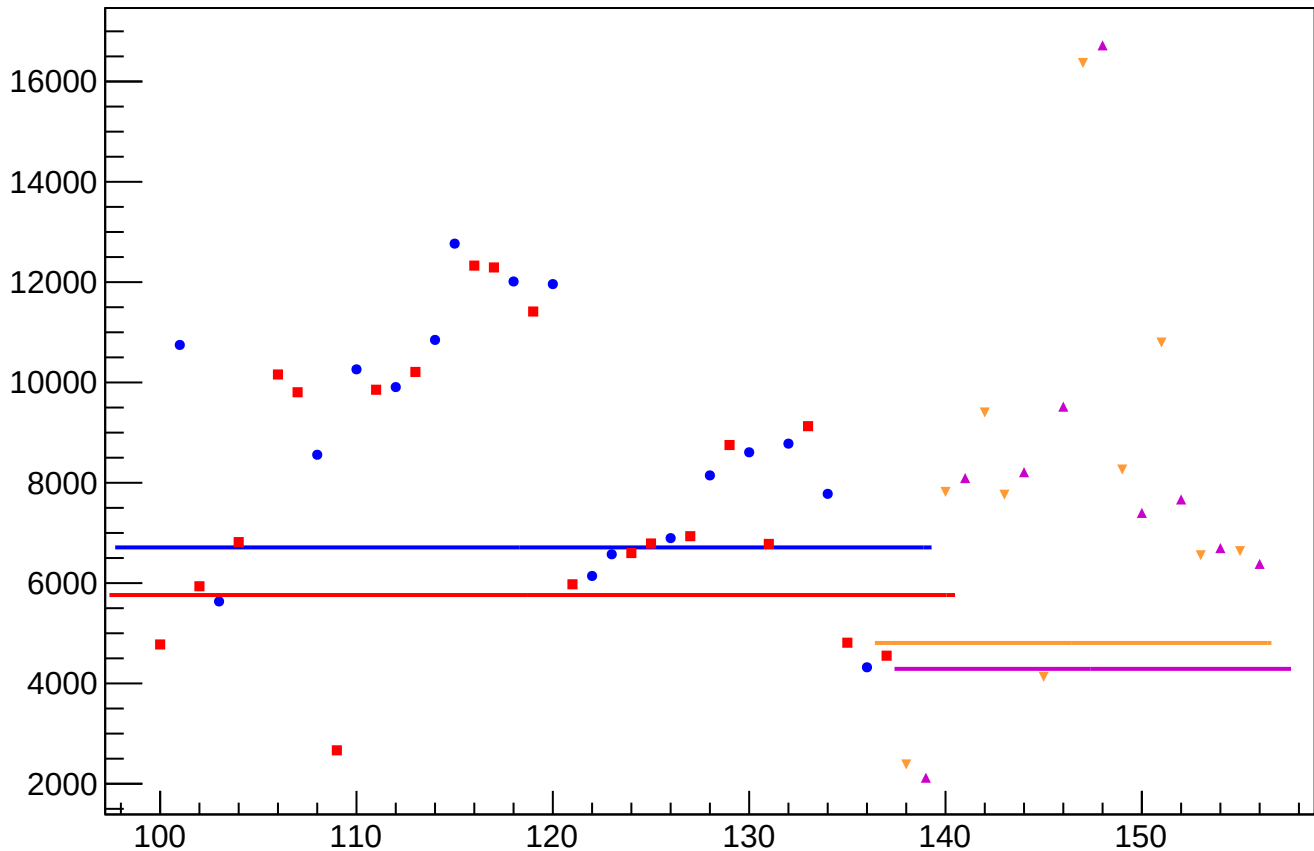
Left In: 1.892 $\pm$ 1.950 χ^2/NDF : 10.2/8

-2.908 $\pm$ 1.696 χ^2/NDF : 22.8/26

-0.877 $\pm$ 1.132 χ^2/NDF : 61.5/55

0.755 $\pm$ 1.520 χ^2/NDF : 36.1/28

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

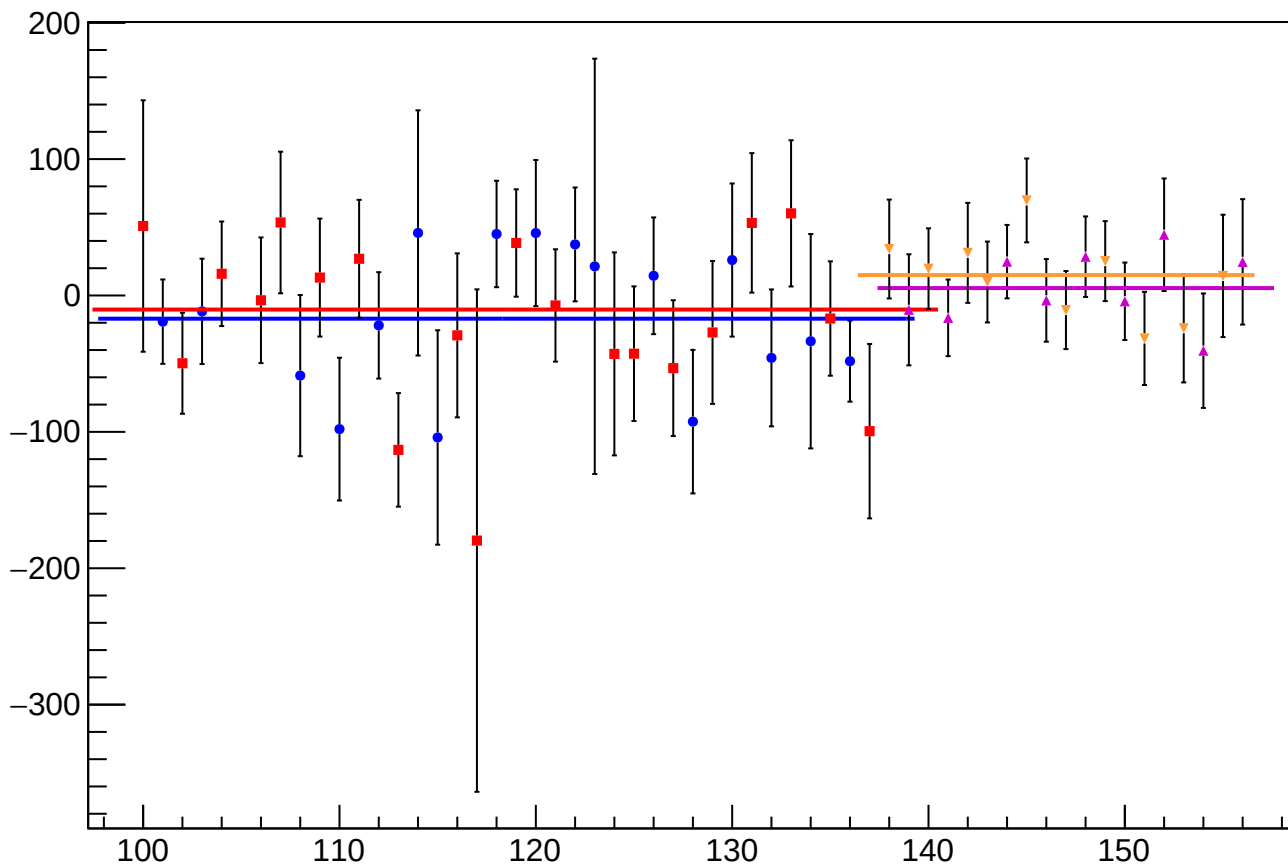
Left In: 4290.460+/-1.379 χ^2/NDF : 4525630.4/8

5515.549+/-1.200 χ^2/NDF : 5527264.6/26

5156.427+/-0.801 χ^2/NDF : 12850734.9/5

4868.028+/-1.075 χ^2/NDF : 7161870.8/28

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -17.010+/-11.287 χ^2/NDF : 15.0/16

Left Out: 14.960+/-10.419 χ^2/NDF : 7.4/9

Right Out: -10.311+/-10.872 χ^2/NDF : 19.9/19

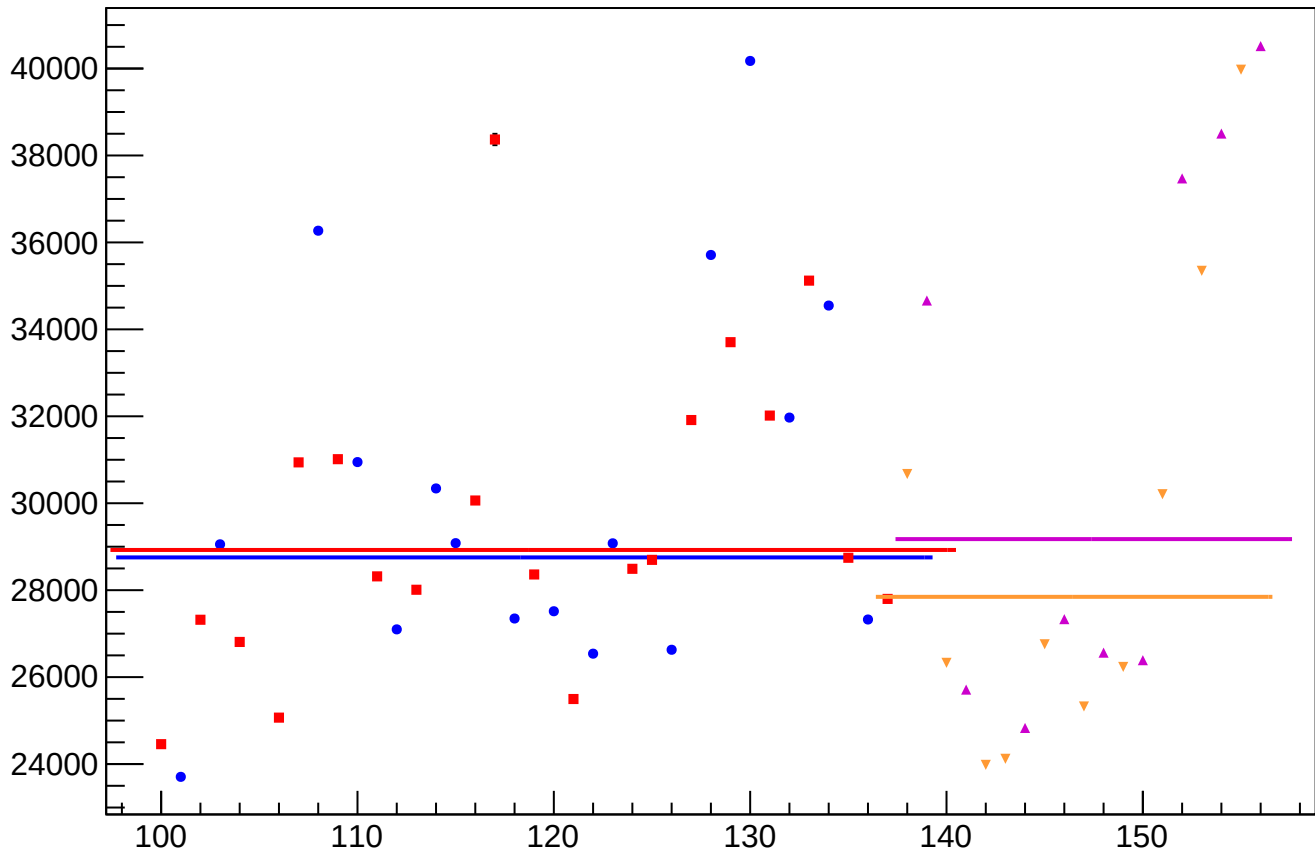
Left In: 5.432+/-10.941 χ^2/NDF : 4.4/8

0.251+/-7.656 χ^2/NDF : 26.7/26

-1.109+/-5.433 χ^2/NDF : 52.1/55

-2.490+/-7.712 χ^2/NDF : 25.3/28

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

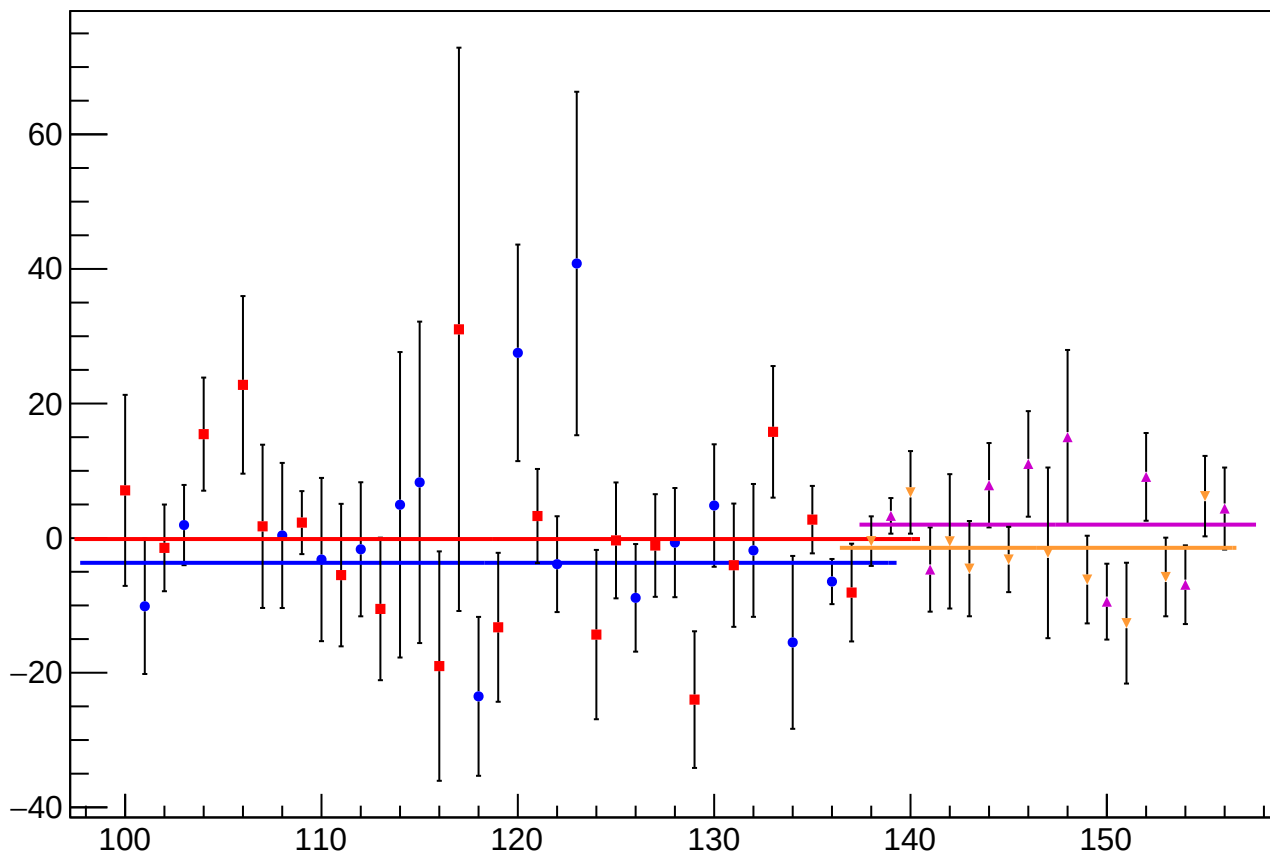
Left In: 29174.902+/-7.736 χ^2/NDF : 462377.9/8

28264.094+/-5.414 χ^2/NDF : 578448.4/26

28653.819+/-3.842 χ^2/NDF : 1168306.2/5

29049.240+/-5.453 χ^2/NDF : 579417.0/28

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -3.668+/-2.010 χ^2 /NDF: 14.5/16

Left Out: -1.441+/-1.917 χ^2 /NDF: 6.5/9

Right Out: -0.135+/-1.891 χ^2 /NDF: 22.9/19

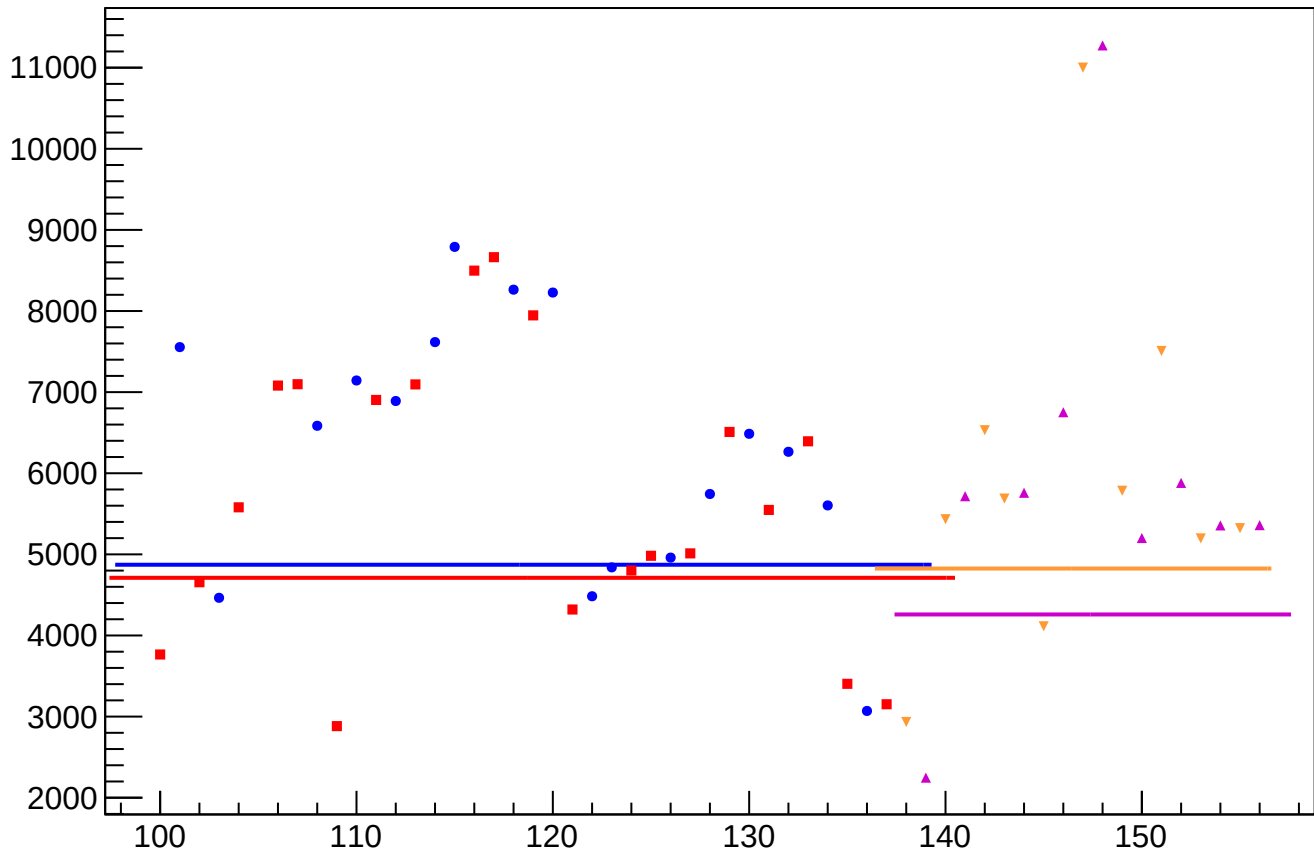
Left In: 2.005+/-1.748 χ^2 /NDF: 12.4/8

-2.502+/-1.387 χ^2 /NDF: 21.6/26

-0.605+/-0.942 χ^2 /NDF: 61.0/55

1.019+/-1.284 χ^2 /NDF: 35.9/28

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4872.105 ± 1.421 $\chi^2/\text{NDF}: 1405253.2/16$

Left Out: 4825.328 ± 1.355 $\chi^2/\text{NDF}: 1395971.2/9$

Right Out: 4711.077 ± 1.337 $\chi^2/\text{NDF}: 1330595.4/19$

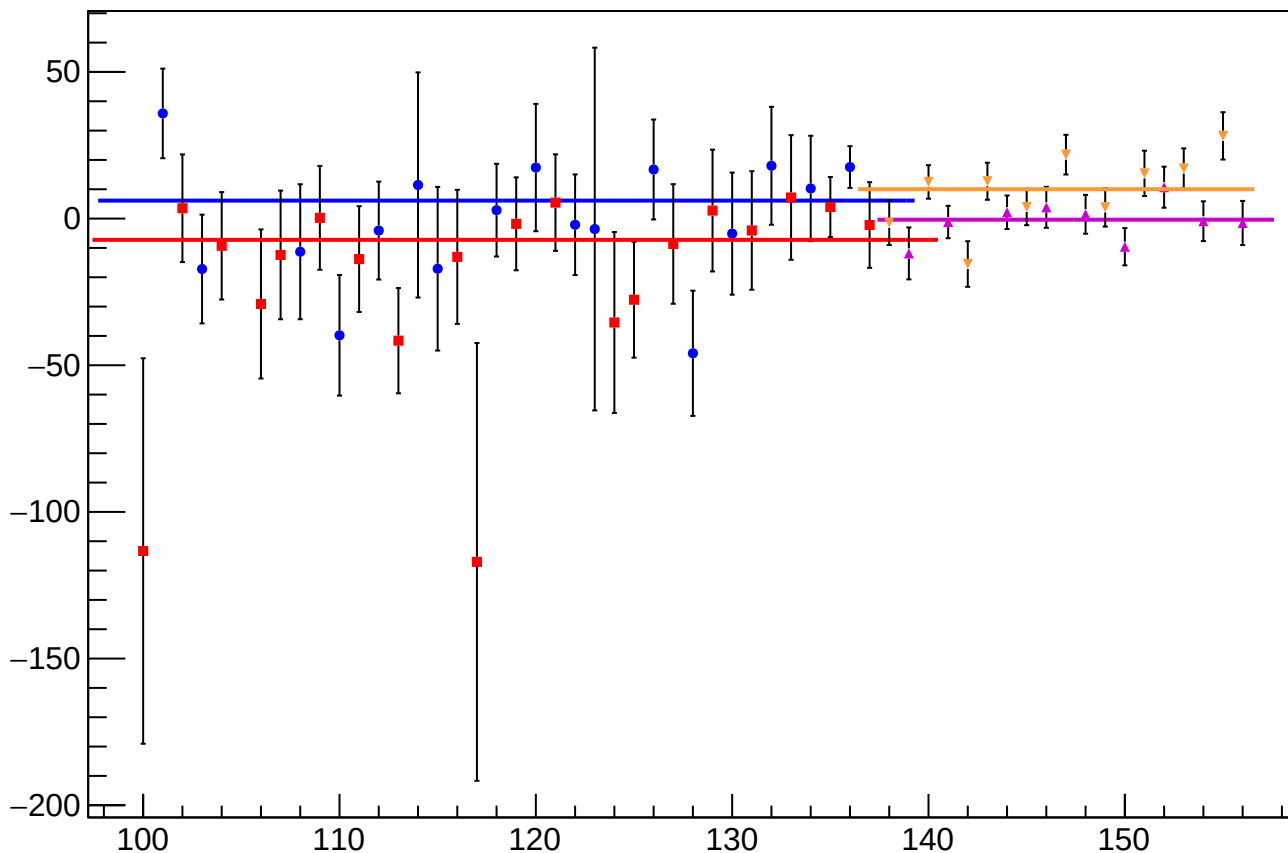
Left In: 4259.116 ± 1.236 $\chi^2/\text{NDF}: 2483068.5/8$

4847.609 ± 0.981 $\chi^2/\text{NDF}: 2801791.7/26$

4642.831 ± 0.666 $\chi^2/\text{NDF}: 6757987.6/55$

4467.442 ± 0.908 $\chi^2/\text{NDF}: 3875267.6/28$

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 6.133 ± 4.080 χ^2/NDF : 22.2/16

Left Out: 10.019 ± 2.163 χ^2/NDF : 24.9/9

Right Out: -7.243 ± 4.218 χ^2/NDF : 14.6/19

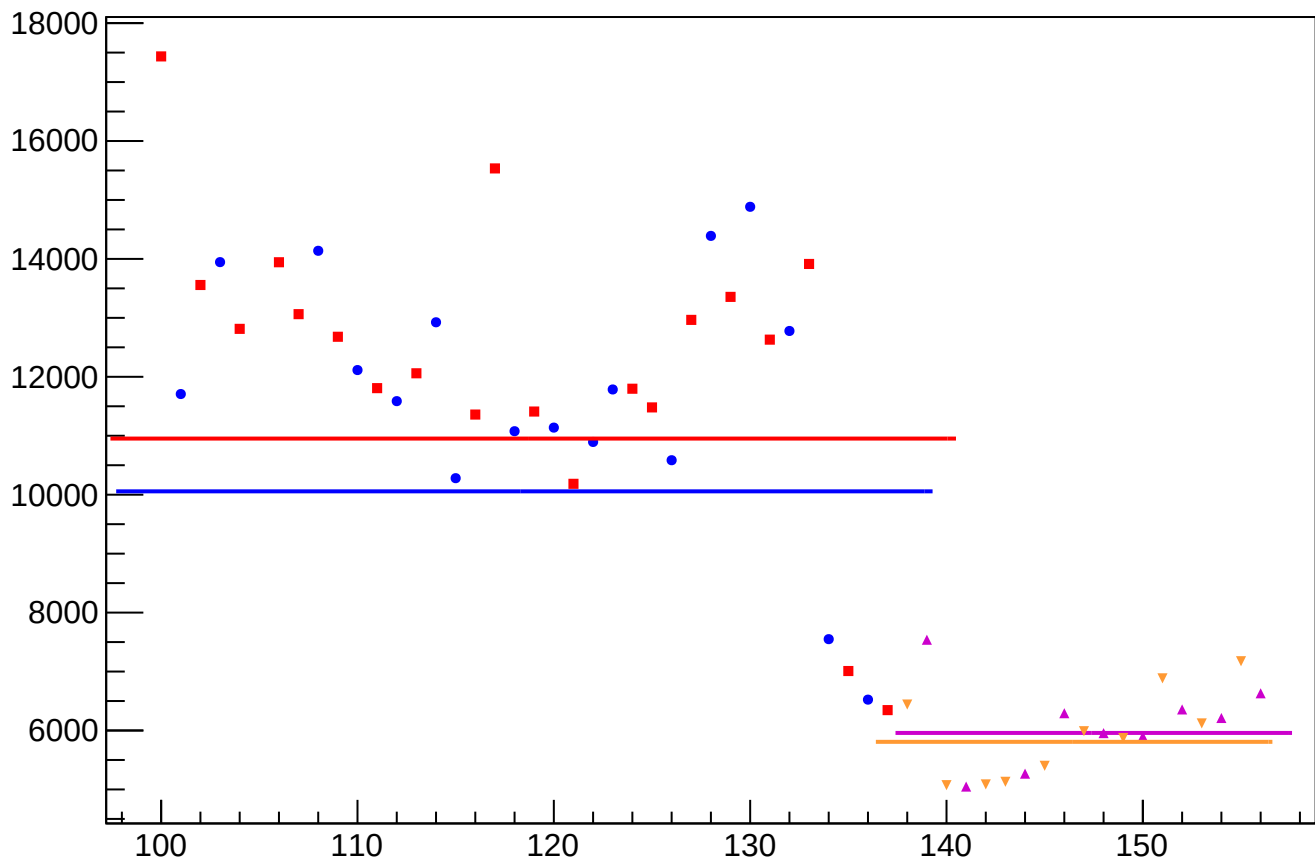
Left In: -0.376 ± 2.213 χ^2/NDF : 7.0/8

9.167 ± 1.911 χ^2/NDF : 47.8/26

3.793 ± 1.368 χ^2/NDF : 87.7/55

-1.858 ± 1.960 χ^2/NDF : 23.7/28

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10056.991+/-2.885 χ^2/NDF : 1002872.6/16

Left Out: 5807.699+/-1.529 χ^2/NDF : 197685.9/9

Right Out: 10952.255+/-2.982 χ^2/NDF : 770474.3/19

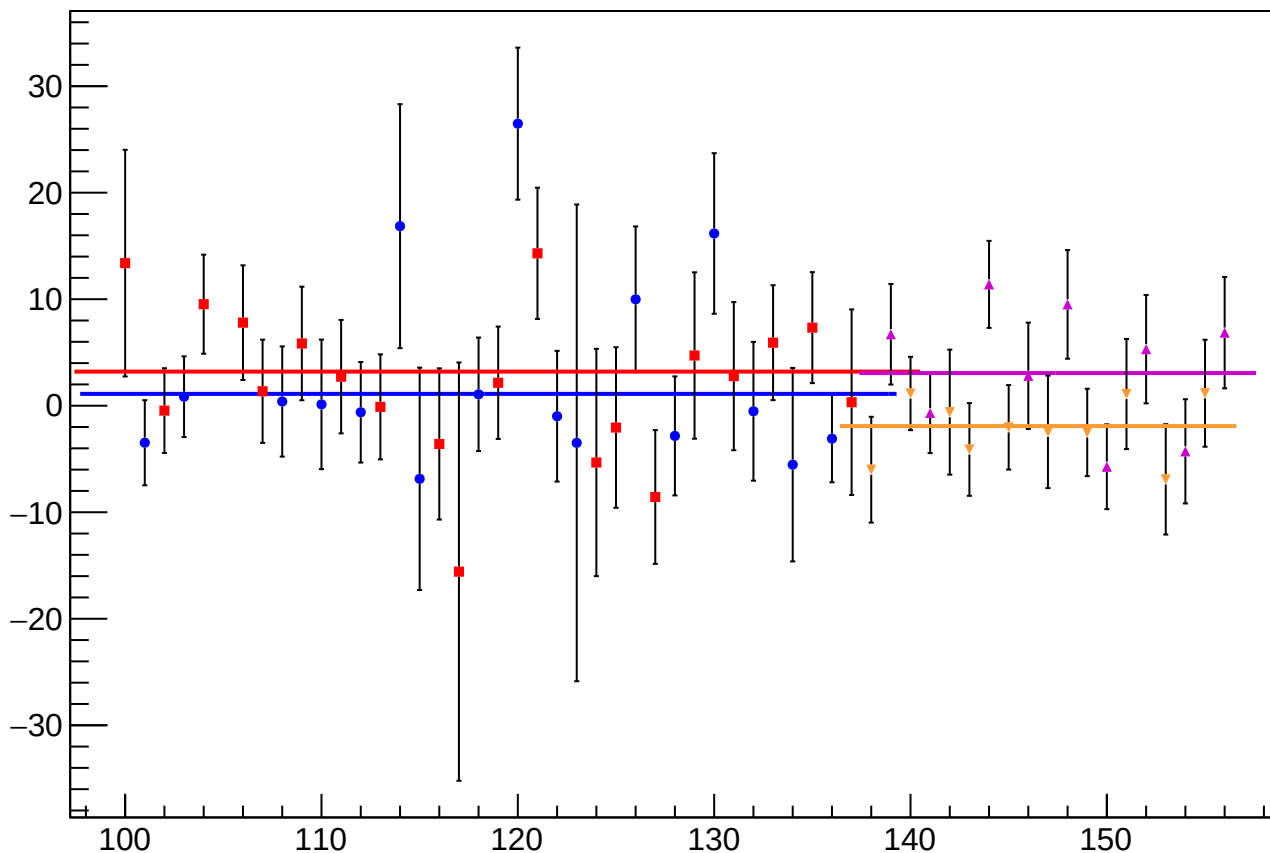
Left In: 5958.655+/-1.565 χ^2/NDF : 177428.6/8

6739.739+/-1.351 χ^2/NDF : 2893970.1/26

6884.508+/-0.967 χ^2/NDF : 6063729.3/55

7036.768+/-1.386 χ^2/NDF : 3146207.5/28

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

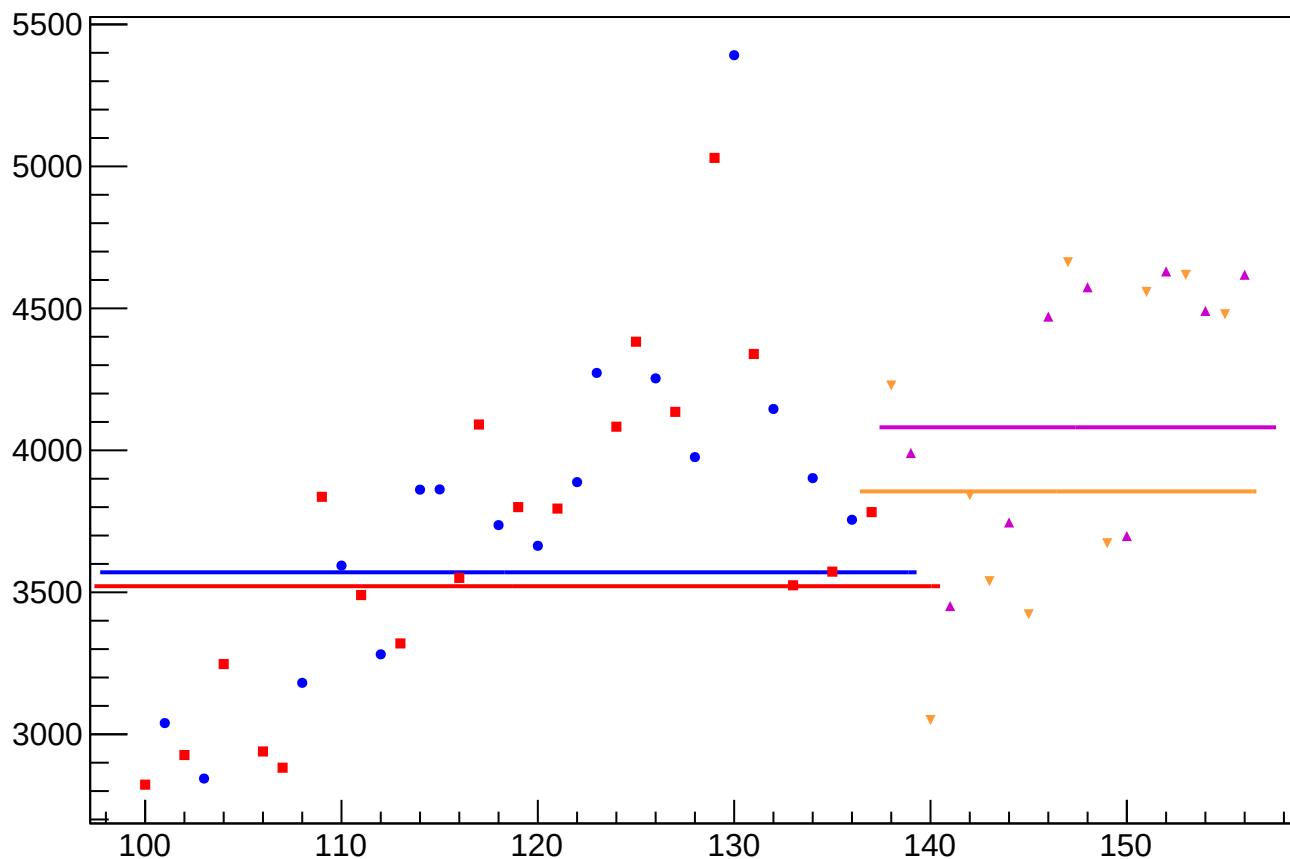
Left In: 3.066 $\pm$ 1.518 χ^2/NDF : 15.2/8

-0.357 $\pm$ 1.006 χ^2/NDF : 30.3/26

1.403 $\pm$ 0.709 χ^2/NDF : 67.6/55

3.144 $\pm$ 1.001 χ^2/NDF : 31.2/28

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3570.481+/-0.992 χ^2/NDF : 309699.2/16

Left Out: 3855.406+/-1.021 χ^2/NDF : 316990.8/9

Right Out: 3521.513+/-0.941 χ^2/NDF : 295082.3/19

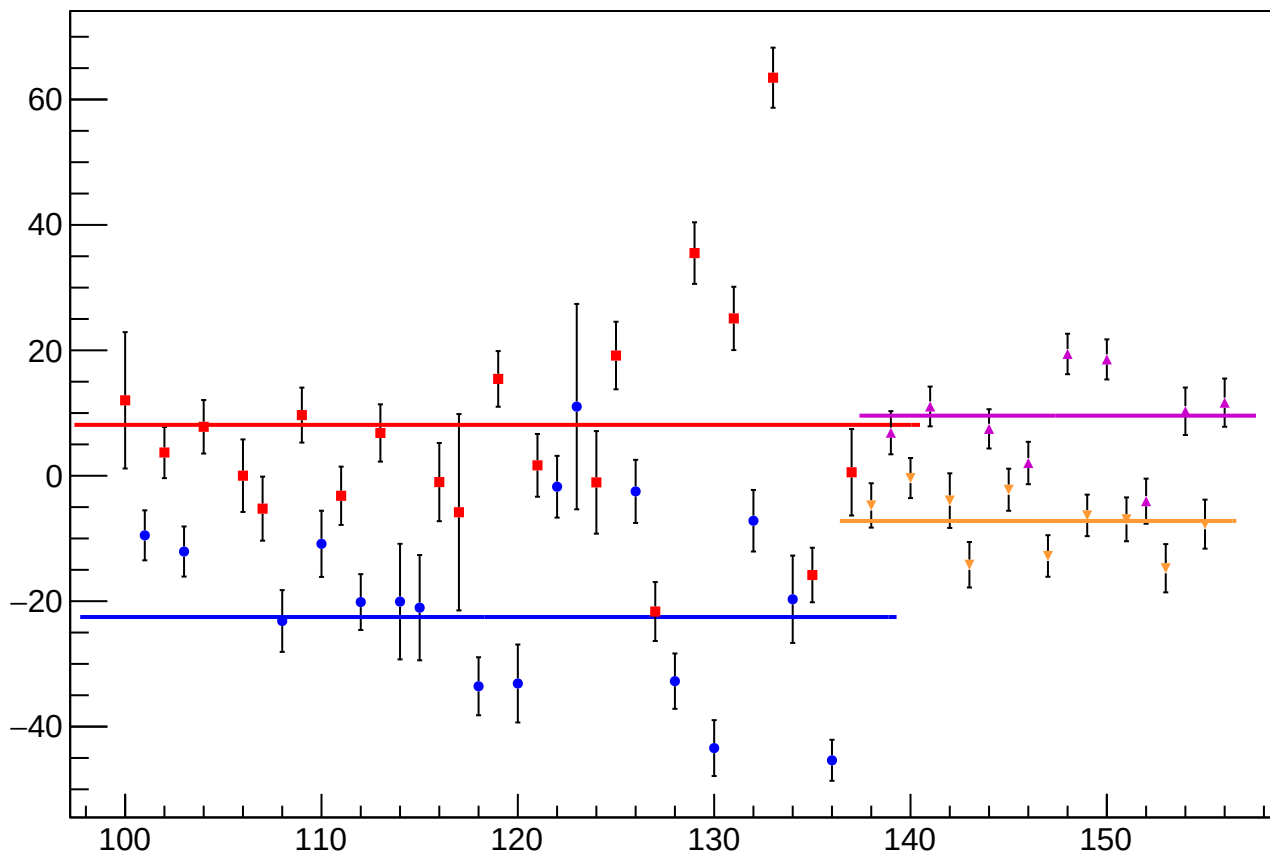
Left In: 4081.084+/-1.073 χ^2/NDF : 177862.2/8

3708.898+/-0.711 χ^2/NDF : 666771.3/26

3736.903+/-0.502 χ^2/NDF : 1296477.9/55

3764.613+/-0.708 χ^2/NDF : 626622.7/28

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.526 ± 1.201 χ^2/NDF : 155.5/16

Left Out: -7.205 ± 1.123 χ^2/NDF : 18.3/9

Right Out: 8.116 ± 1.154 χ^2/NDF : 276.6/19

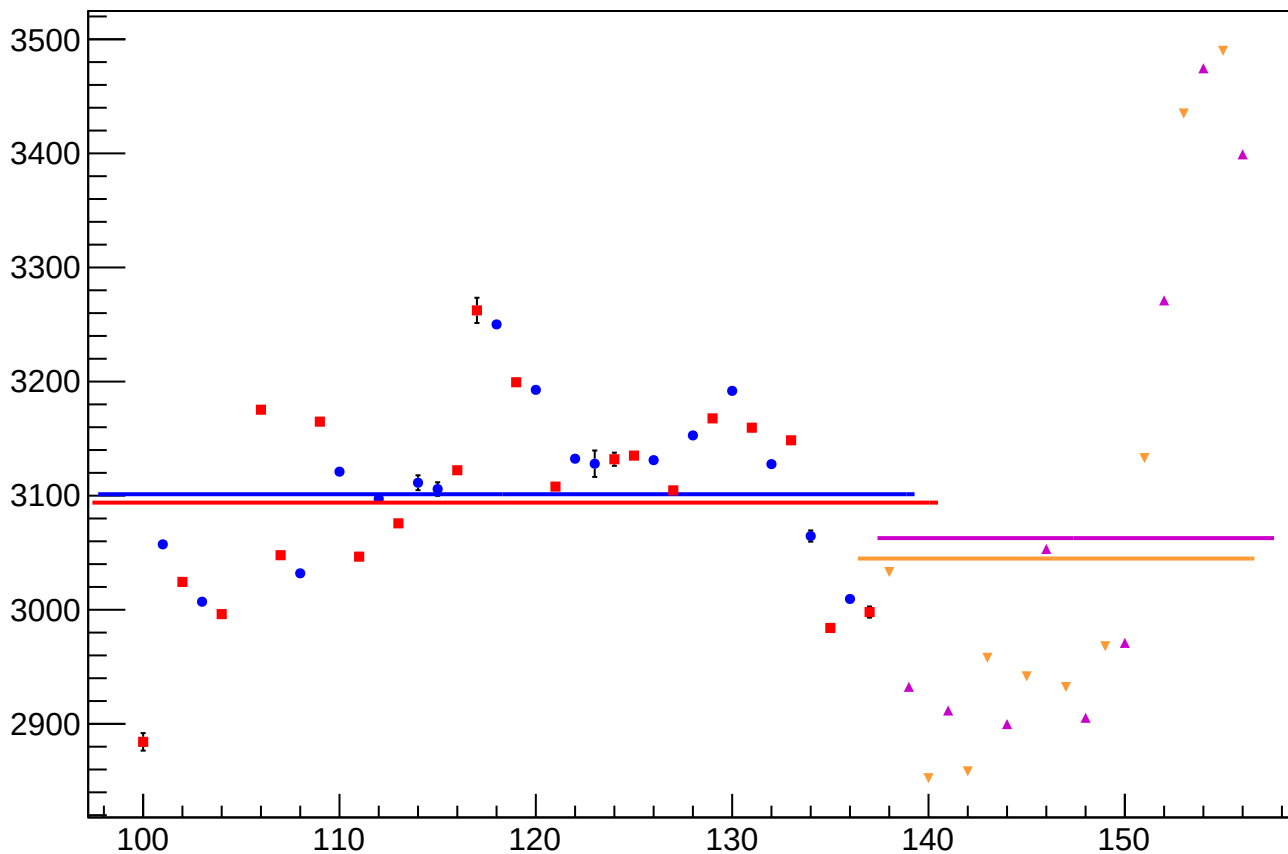
Left In: 9.582 ± 1.130 χ^2/NDF : 38.2/8

-14.356 ± 0.820 χ^2/NDF : 260.7/26

-2.564 ± 0.575 χ^2/NDF : 983.3/55

8.864 ± 0.807 χ^2/NDF : 315.7/28

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3101.270 ± 0.849 $\chi^2/\text{NDF}: 7233.8/16$

Left Out: 3044.895 ± 0.794 $\chi^2/\text{NDF}: 65148.1/9$

Right Out: 3093.913 ± 0.816 $\chi^2/\text{NDF}: 7998.9/19$

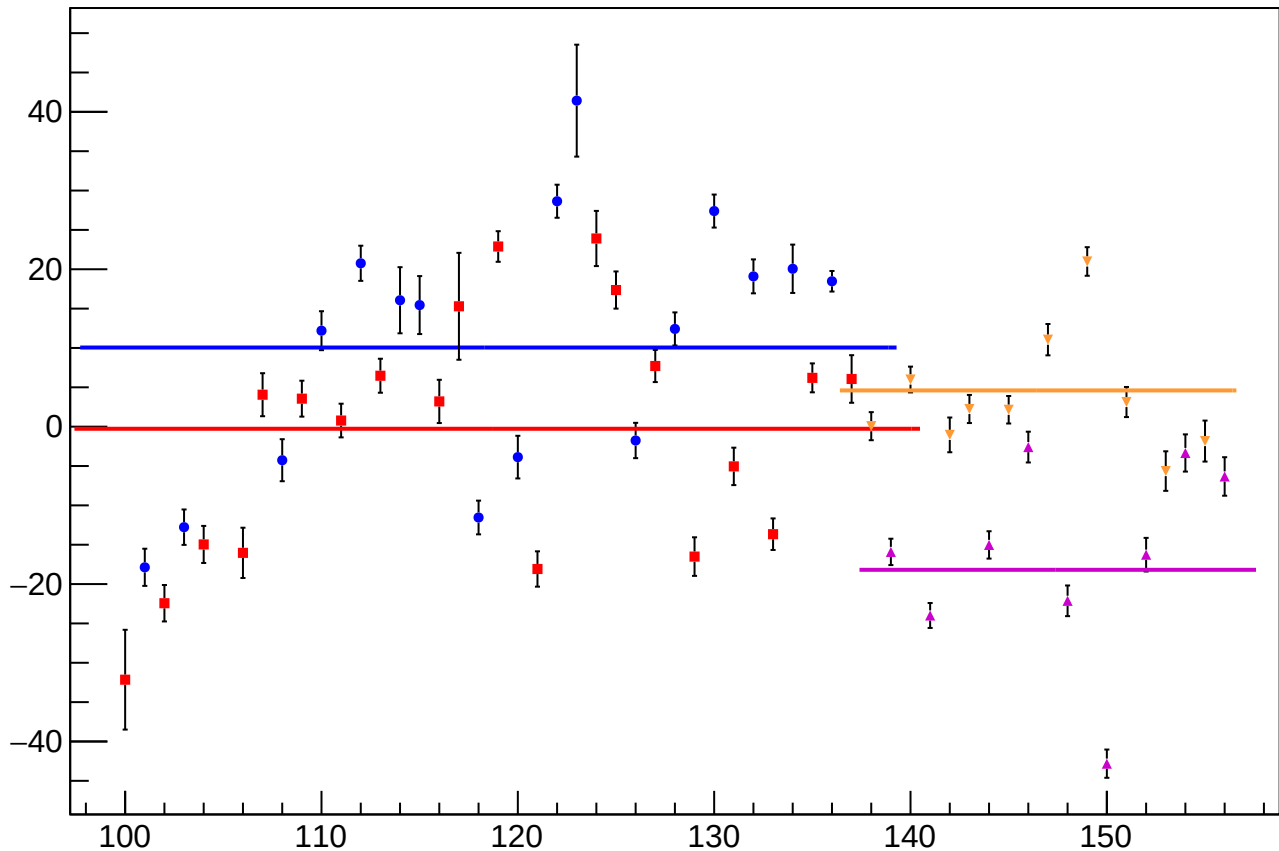
Left In: 3062.807 ± 0.799 $\chi^2/\text{NDF}: 65003.4/8$

3071.208 ± 0.580 $\chi^2/\text{NDF}: 74733.6/26$

3074.678 ± 0.407 $\chi^2/\text{NDF}: 148548.2/55$

3078.041 ± 0.571 $\chi^2/\text{NDF}: 73744.1/28$

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 10.055+/-0.562 χ^2/NDF : 692.2/16

Left Out: 4.605+/-0.612 χ^2/NDF : 132.6/9

Right Out: -0.266+/-0.545 χ^2/NDF : 635.1/19

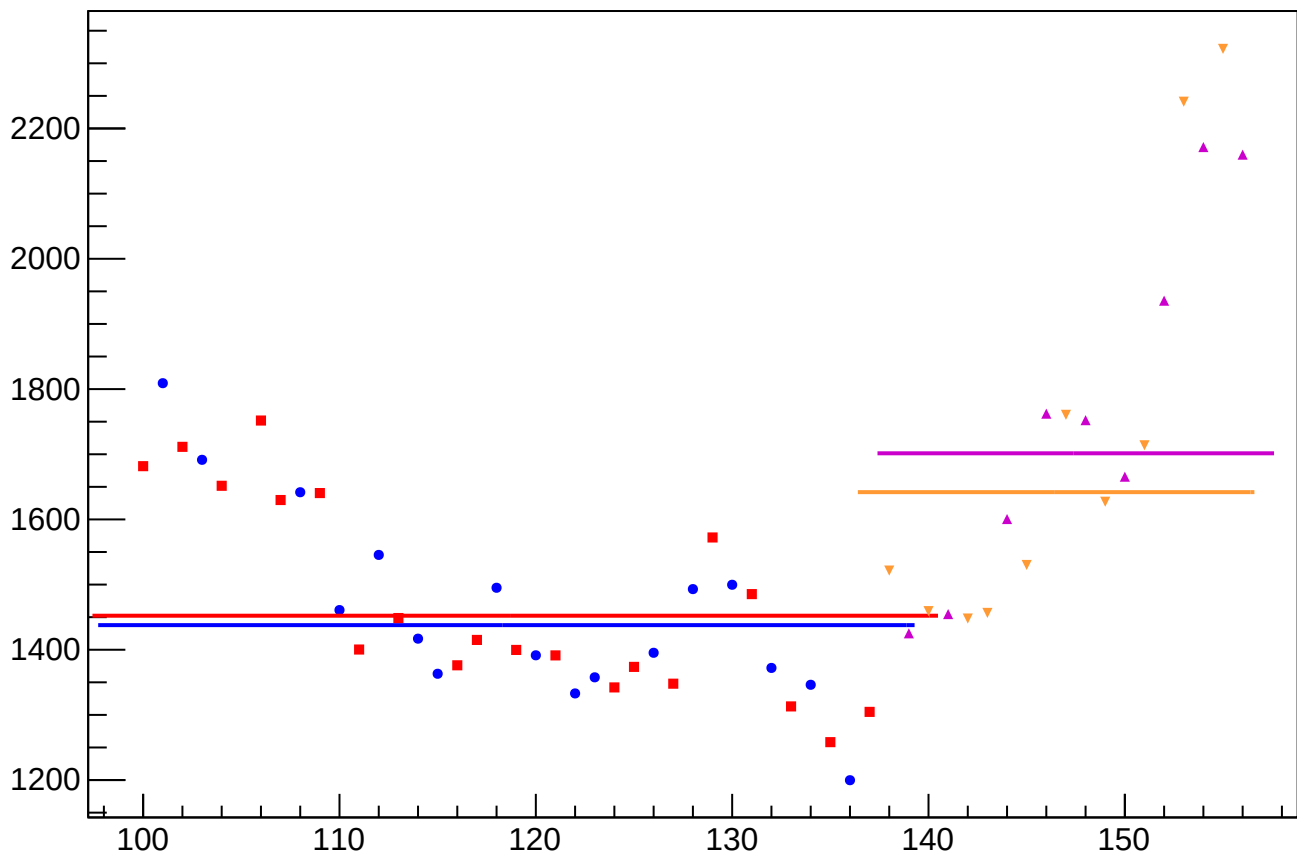
Left In: -18.188+/-0.634 χ^2/NDF : 338.2/8

7.565+/-0.414 χ^2/NDF : 867.9/26

-0.167+/-0.293 χ^2/NDF : 2997.5/55

-7.883+/-0.413 χ^2/NDF : 1432.4/28

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1437.776 ± 0.397 $\chi^2/\text{NDF}: 173216.2/16$

Left Out: 1641.869 ± 0.433 $\chi^2/\text{NDF}: 339337.1/9$

Right Out: 1452.227 ± 0.386 $\chi^2/\text{NDF}: 138666.1/19$

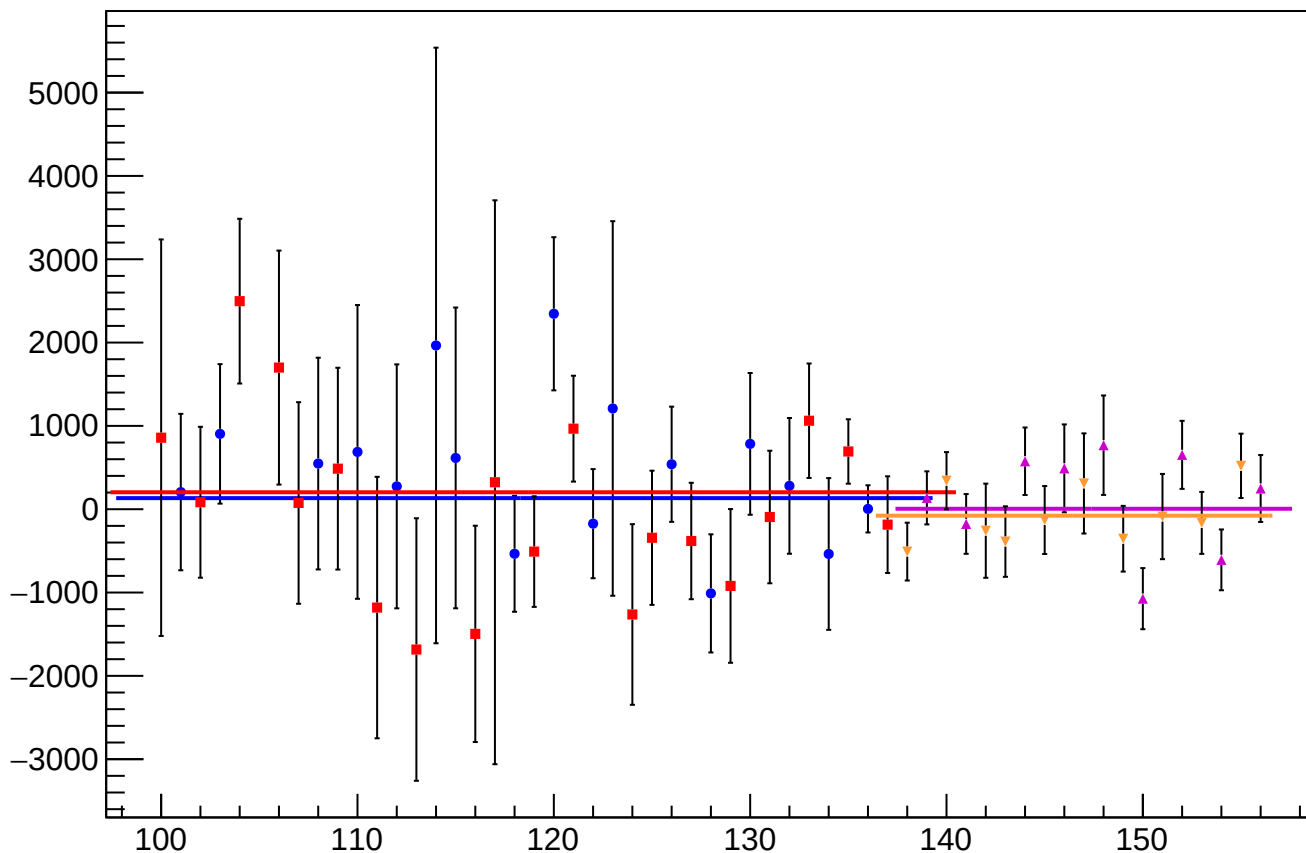
Left In: 1701.484 ± 0.448 $\chi^2/\text{NDF}: 287087.4/8$

1531.024 ± 0.293 $\chi^2/\text{NDF}: 633215.3/26$

1544.609 ± 0.207 $\chi^2/\text{NDF}: 1240899.8/55$

1558.163 ± 0.292 $\chi^2/\text{NDF}: 603380.8/28$

asym_sam1_mean vs Slug, Sign Corrected



Right In: 132.921 $\pm$ 180.271 χ^2 /NDF: 12.9/16

Left Out: -77.490 $\pm$ 130.766 χ^2 /NDF: 7.1/9

Right Out: 203.418 $\pm$ 184.080 χ^2 /NDF: 21.4/19

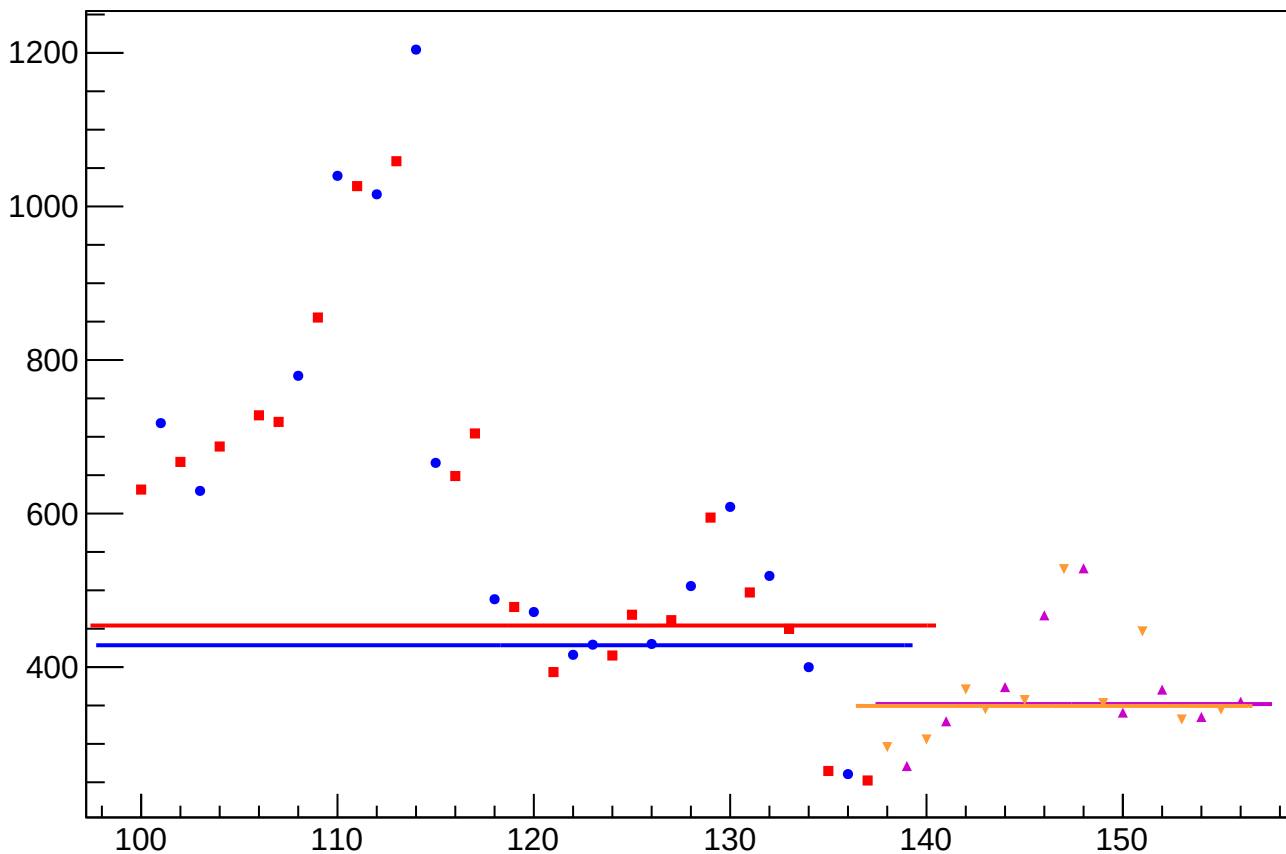
Left In: 5.298 $\pm$ 132.130 χ^2 /NDF: 19.2/8

-4.946 $\pm$ 105.850 χ^2 /NDF: 20.8/26

33.316 $\pm$ 75.369 χ^2 /NDF: 62.5/55

72.665 $\pm$ 107.340 χ^2 /NDF: 41.4/28

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.460 $\pm$ 0.127 χ^2 /NDF: 2011453.8/16

Left Out: 349.416 $\pm$ 0.092 χ^2 /NDF: 336913.6/9

Right Out: 454.177 $\pm$ 0.130 χ^2 /NDF: 2040775.1/19

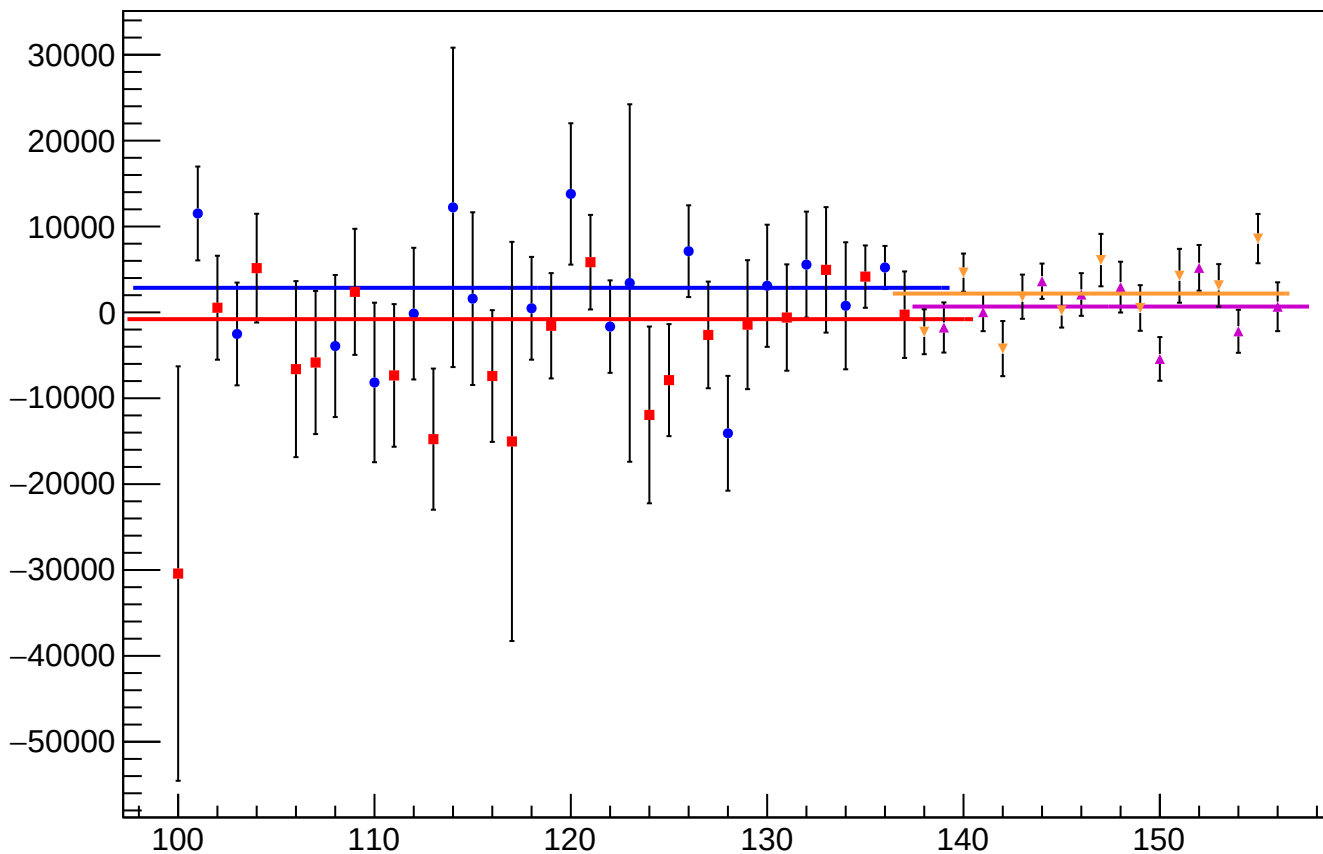
Left In: 351.871 $\pm$ 0.093 χ^2 /NDF: 424134.8/8

376.668 $\pm$ 0.075 χ^2 /NDF: 2600313.9/26

381.593 $\pm$ 0.053 χ^2 /NDF: 5481716.5/55

386.658 $\pm$ 0.076 χ^2 /NDF: 2872620.8/28

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

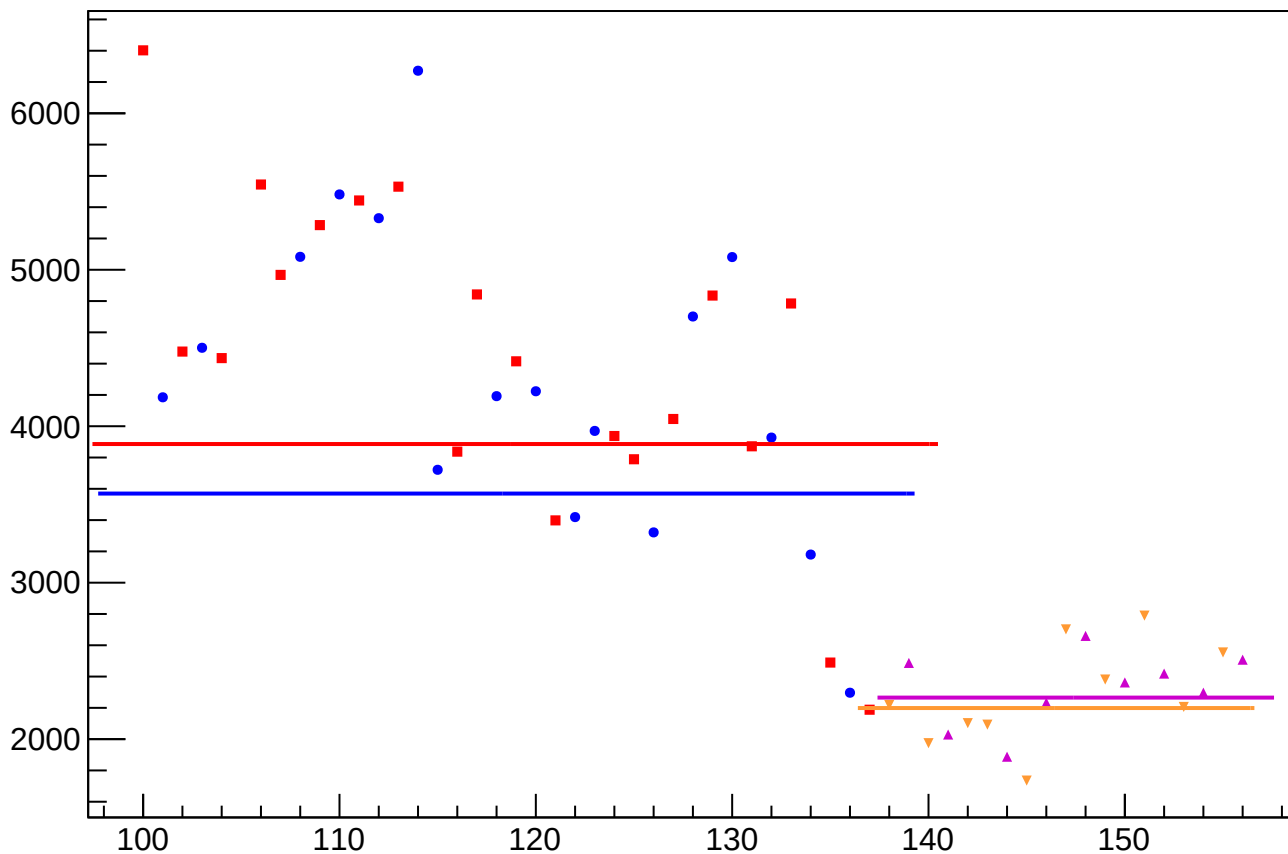
Left In: 677.223 $\pm$ 841.396 χ^2 /NDF: 13.7/8

2352.869 $\pm$ 714.316 χ^2 /NDF: 33.5/26

1368.836 $\pm$ 512.097 χ^2 /NDF: 66.2/55

328.302 $\pm$ 734.537 χ^2 /NDF: 28.8/28

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3569.631 ± 1.024 $\chi^2/\text{NDF}: 1087935.4/16$

Left Out: 2198.777 ± 0.581 $\chi^2/\text{NDF}: 298706.7/9$

Right Out: 3886.199 ± 1.065 $\chi^2/\text{NDF}: 986485.7/19$

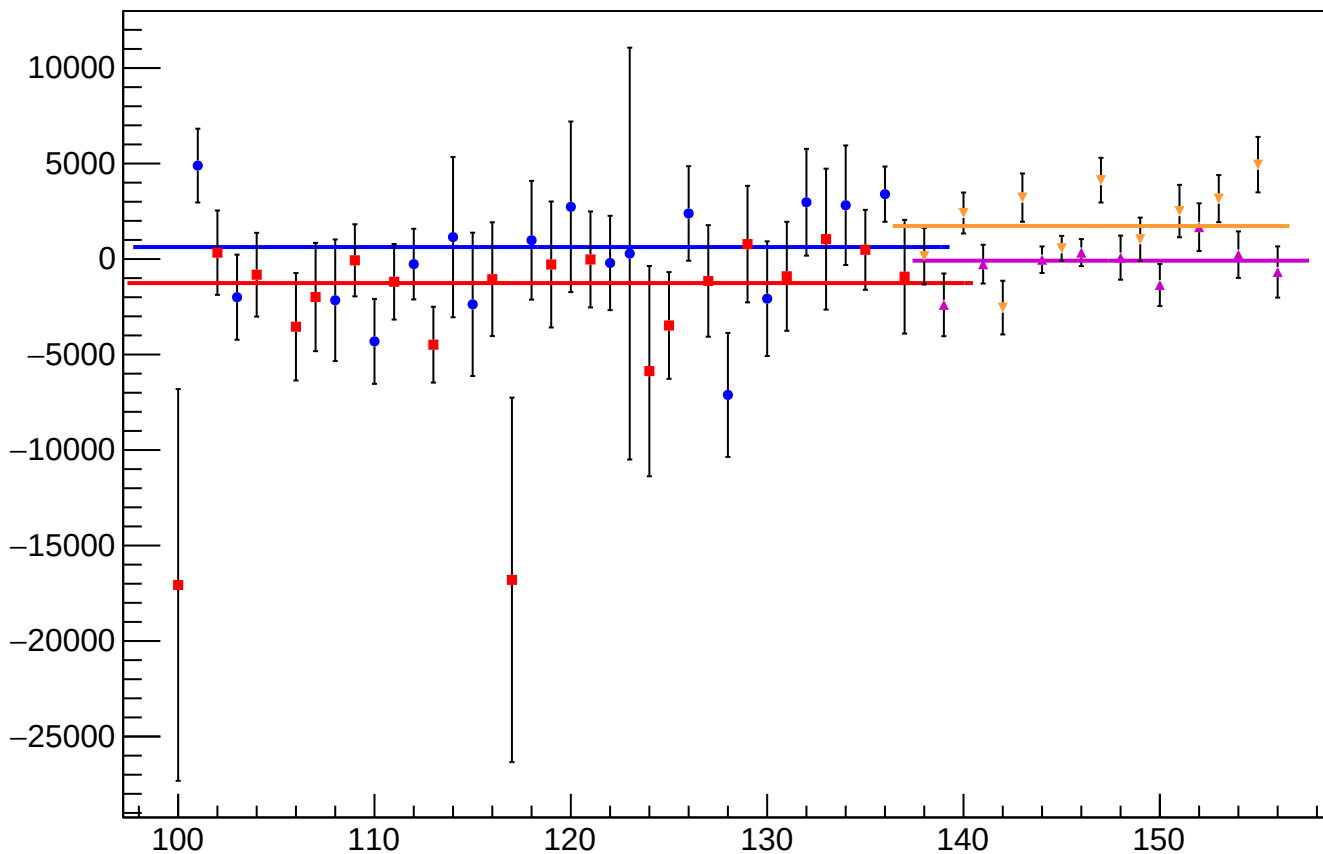
Left In: 2265.496 ± 0.595 $\chi^2/\text{NDF}: 162093.1/8$

2532.438 ± 0.505 $\chi^2/\text{NDF}: 2743122.2/26$

2590.074 ± 0.362 $\chi^2/\text{NDF}: 5683647.3/55$

2651.019 ± 0.519 $\chi^2/\text{NDF}: 2913736.0/28$

asym_sam3_mean vs Slug, Sign Corrected



Right In: 627.655+/-620.929 χ^2/NDF : 25.1/16

Left Out: 1726.864+/-353.603 χ^2/NDF : 26.5/9

Right Out: -1257.467+/-601.857 χ^2/NDF : 12.6/19

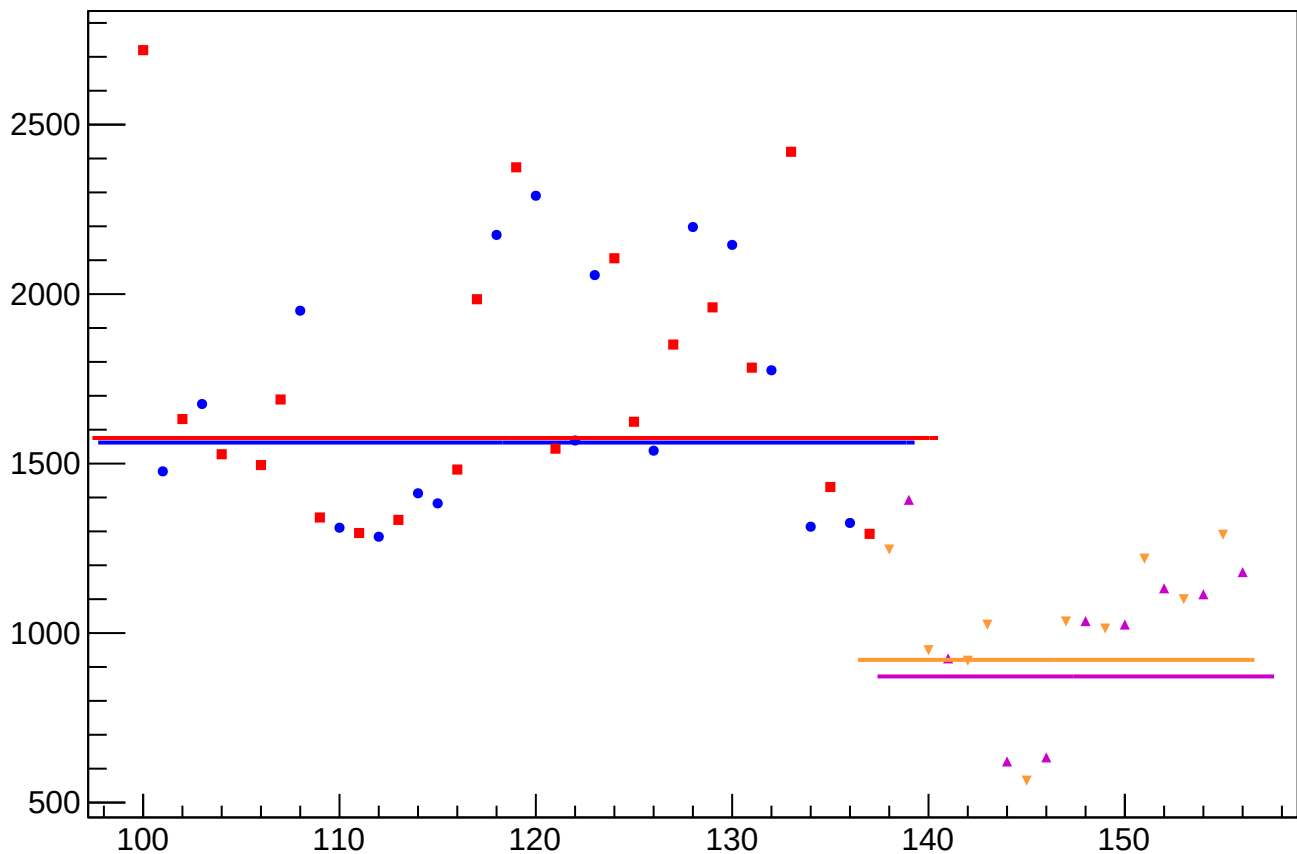
Left In: -85.594+/-335.960 χ^2/NDF : 6.0/8

1457.685+/-307.272 χ^2/NDF : 54.0/26

504.646+/-212.181 χ^2/NDF : 93.8/55

-363.995+/-293.351 χ^2/NDF : 21.4/28

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 $\chi^2/\text{NDF}: 467687.2/19$

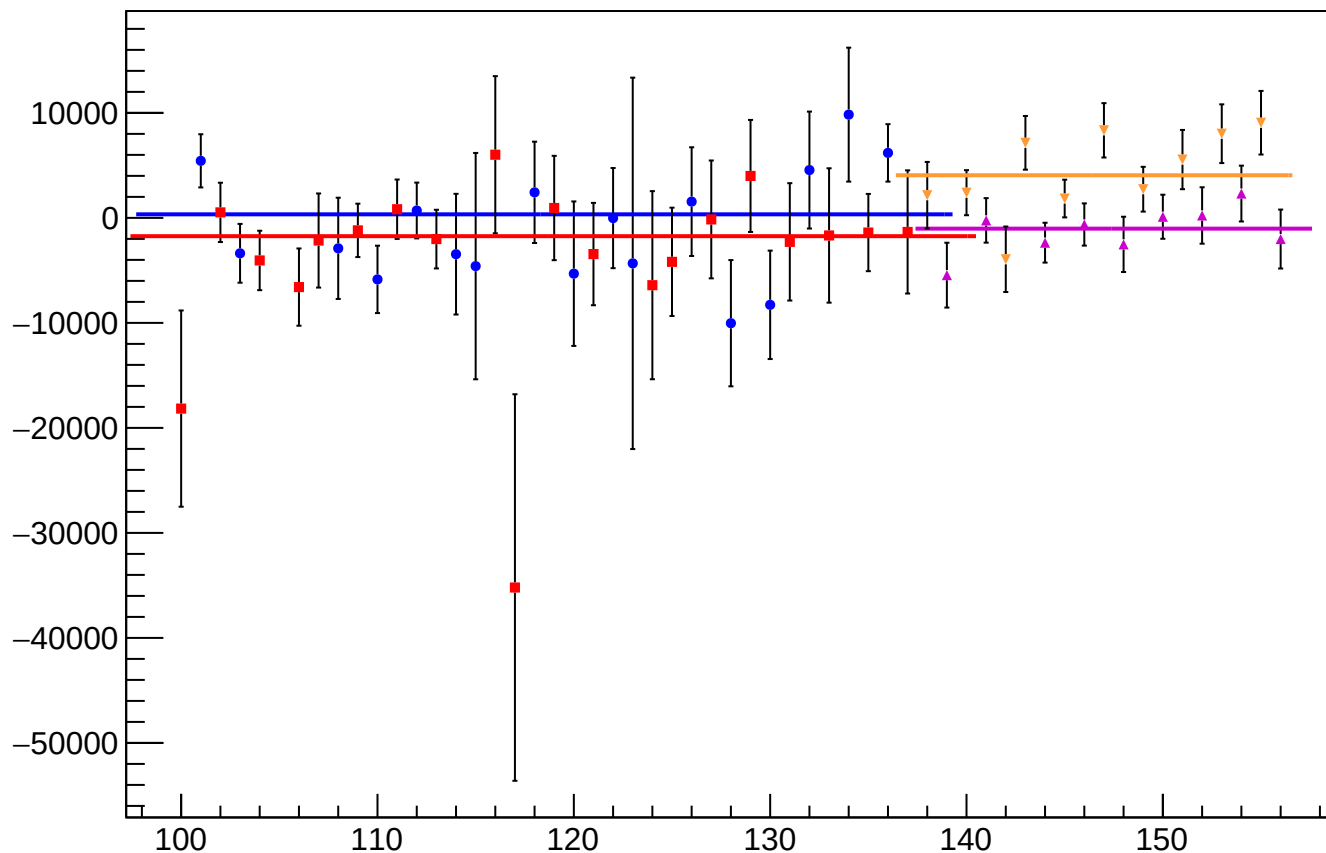
Left In: 872.056 ± 0.238 $\chi^2/\text{NDF}: 1045903.7/8$

1077.993 ± 0.217 $\chi^2/\text{NDF}: 3102509.2/26$

1057.689 ± 0.150 $\chi^2/\text{NDF}: 6716107.4/55$

1039.182 ± 0.207 $\chi^2/\text{NDF}: 3596905.1/28$

asym_sam4_mean vs Slug, Sign Corrected



Right In: 338.117 $\pm$ 995.842 χ^2 /NDF: 24.8/16

Left Out: 4058.300 $\pm$ 787.035 χ^2 /NDF:18.7/9

Right Out: -1742.470 $\pm$ 923.289 χ^2 /NDF: 13.6/19

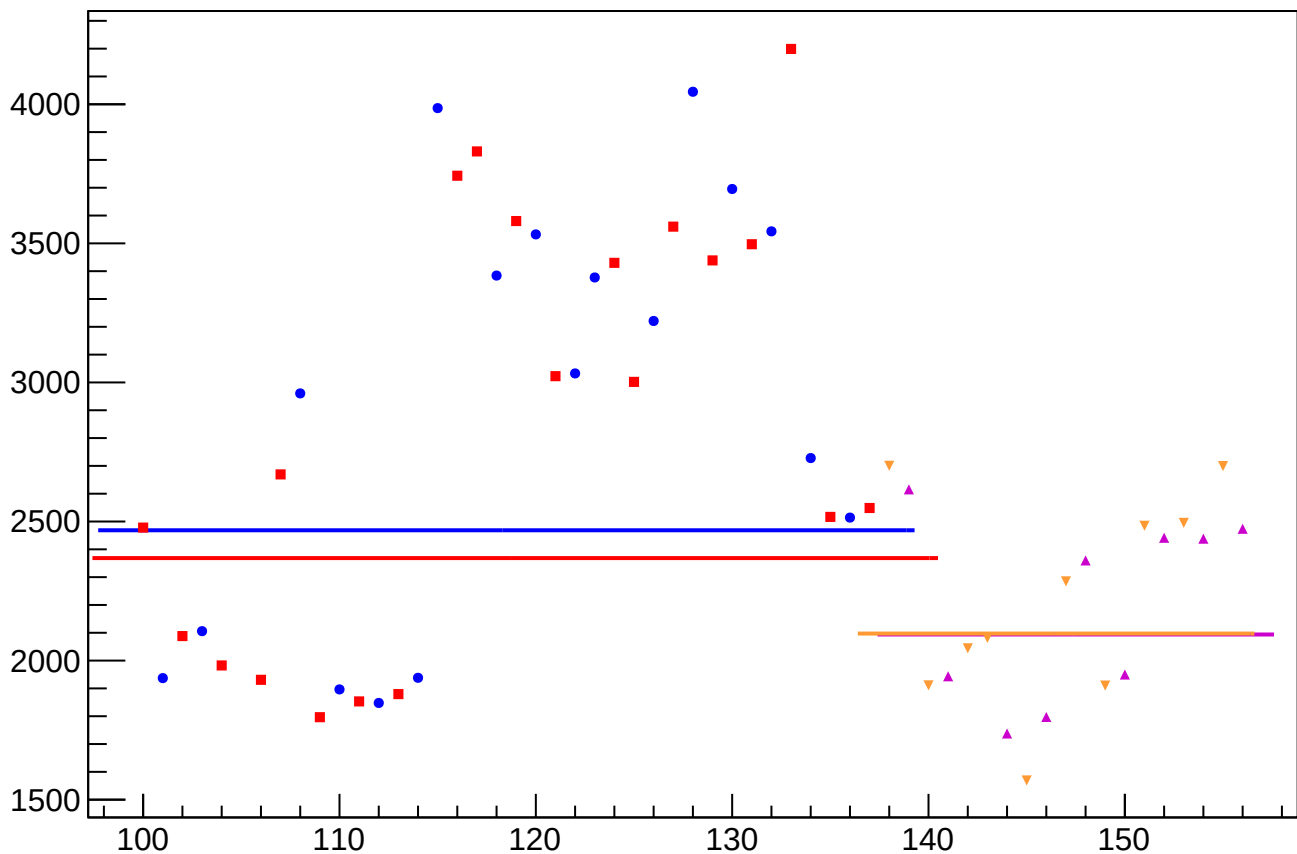
Left In: -1025.121 $\pm$ 782.964 χ^2 /NDF:5.3/8

2628.012 $\pm$ 617.476 χ^2 /NDF: 52.0/26

585.291 $\pm$ 429.257 χ^2 /NDF: 92.4/55

-1325.196 $\pm$ 597.155 χ^2 /NDF: 19.2/28

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2468.489+/-0.704 χ^2/NDF : 896153.6/16

Left Out: 2097.169+/-0.557 χ^2/NDF : 444341.5/9

Right Out: 2368.521+/-0.653 χ^2/NDF : 1037811.8/19

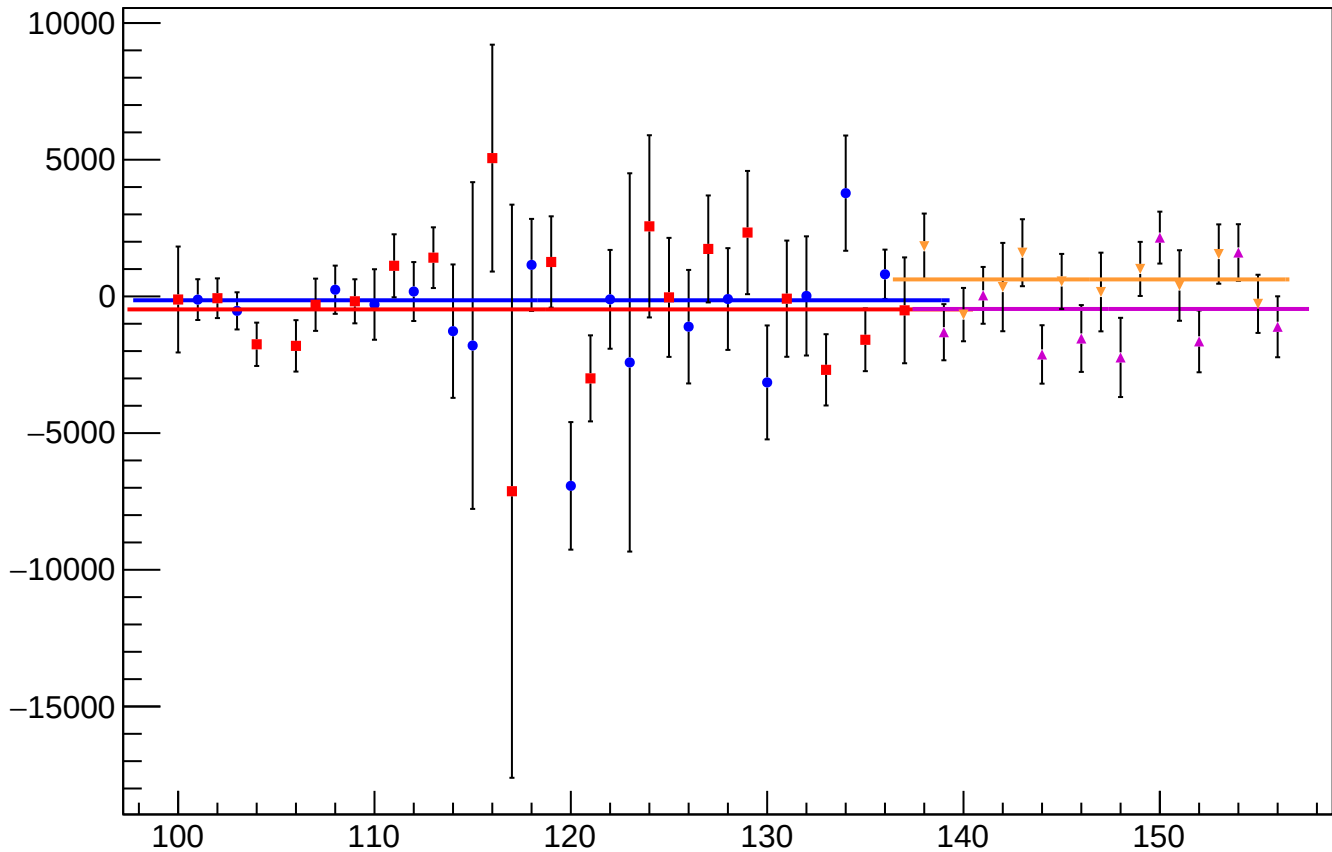
Left In: 2093.803+/-0.554 χ^2/NDF : 314682.0/8

2239.929+/-0.437 χ^2/NDF : 1511652.9/26

2223.803+/-0.304 χ^2/NDF : 2969782.6/55

2208.721+/-0.422 χ^2/NDF : 1455489.7/28

asym_sam5_mean vs Slug, Sign Corrected



Right In: -141.213 $\pm$ 313.319 χ^2/NDF : 16.9/16

Left Out: 621.651 $\pm$ 362.258 χ^2/NDF : 5.2/9

Right Out: -474.987 $\pm$ 282.789 χ^2/NDF : 23.3/19

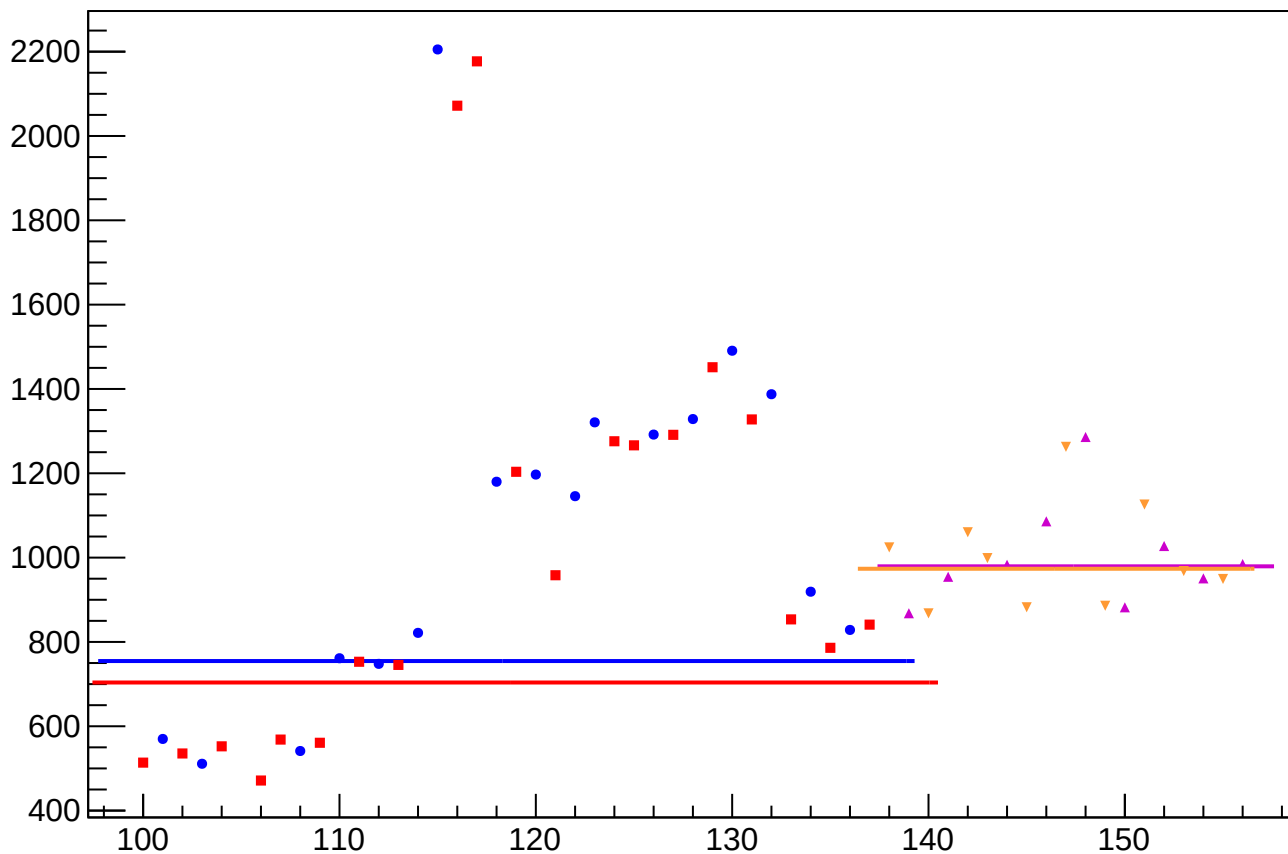
Left In: -459.306 $\pm$ 364.529 χ^2/NDF : 18.6/8

185.245 $\pm$ 236.978 χ^2/NDF : 24.6/26

-161.152 $\pm$ 162.571 χ^2/NDF : 70.6/55

-469.096 $\pm$ 223.438 χ^2/NDF : 41.9/28

asym_sam5_rms vs Slug, Sign Corrected



Right In: 754.684 $\pm$ 0.222 χ^2 /NDF: 1690621.2/16

Left Out: 973.564 $\pm$ 0.256 χ^2 /NDF: 175581.9/9

Right Out: 703.794 $\pm$ 0.200 χ^2 /NDF: 1731134.6/19

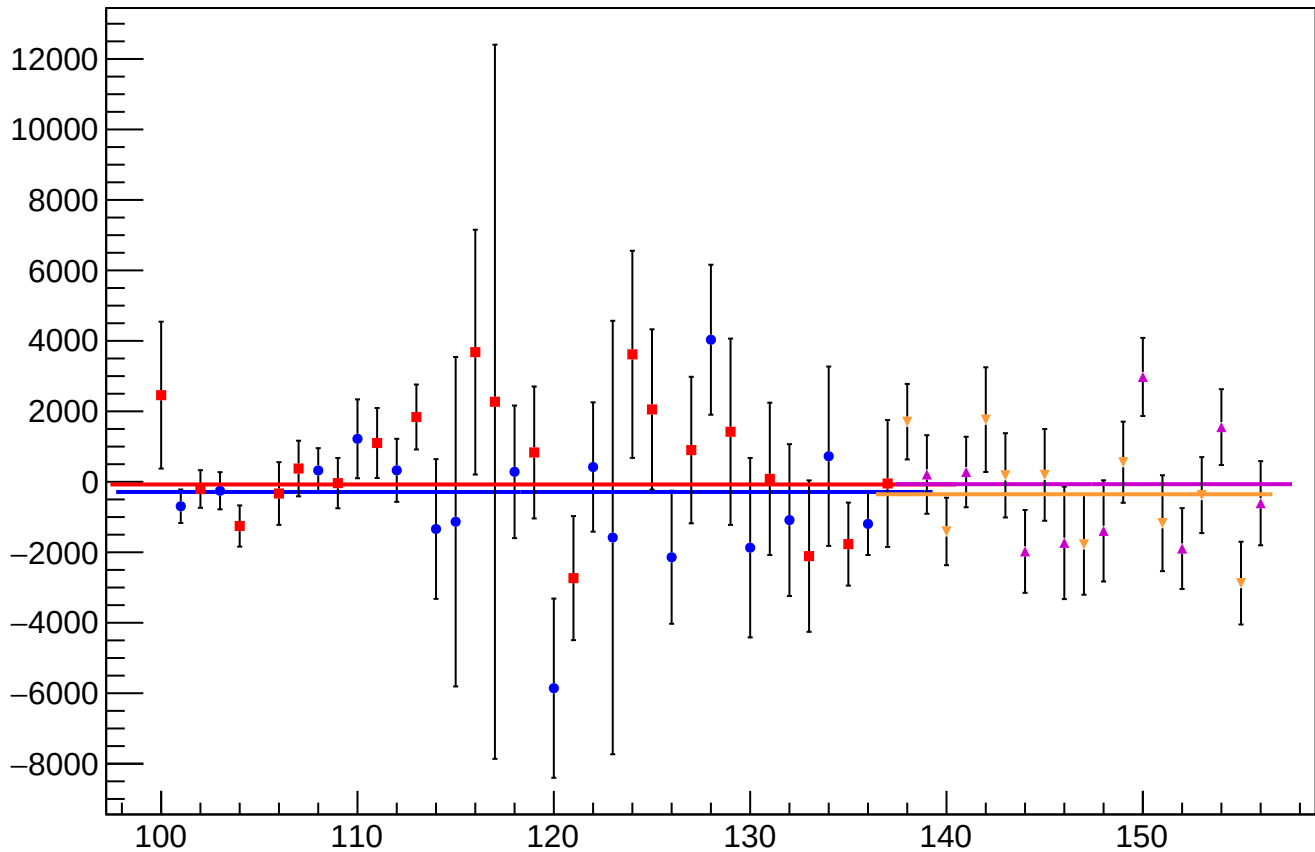
Left In: 979.330 $\pm$ 0.258 χ^2 /NDF: 155682.1/8

848.351 $\pm$ 0.168 χ^2 /NDF: 2283891.3/26

826.627 $\pm$ 0.115 χ^2 /NDF: 4915819.2/55

807.315 $\pm$ 0.158 χ^2 /NDF: 2600180.5/28

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

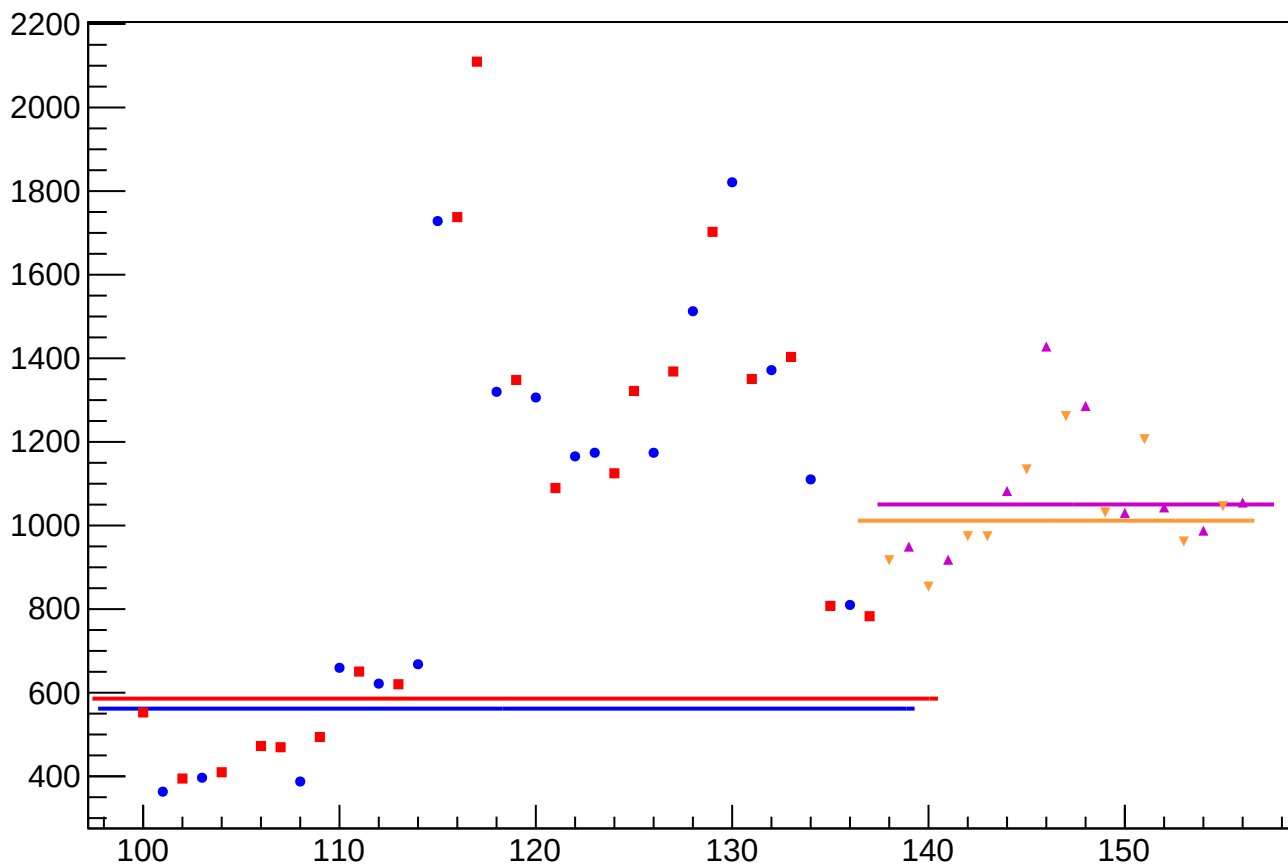
Left In: -66.880 ± 390.959 χ^2/NDF : 17.3/8

-307.968 ± 208.436 χ^2/NDF : 30.1/26

-190.115 ± 147.309 χ^2/NDF : 69.5/55

-72.507 ± 208.218 χ^2/NDF : 38.7/28

asym_sam6_rms vs Slug, Sign Corrected



Right In: 561.894 $\pm$ 0.177 χ^2 /NDF: 3216651.3/16

Left Out: 1011.562 $\pm$ 0.266 χ^2 /NDF:199724.1/9

Right Out: 585.891 $\pm$ 0.174 χ^2 /NDF: 2869692.7/19

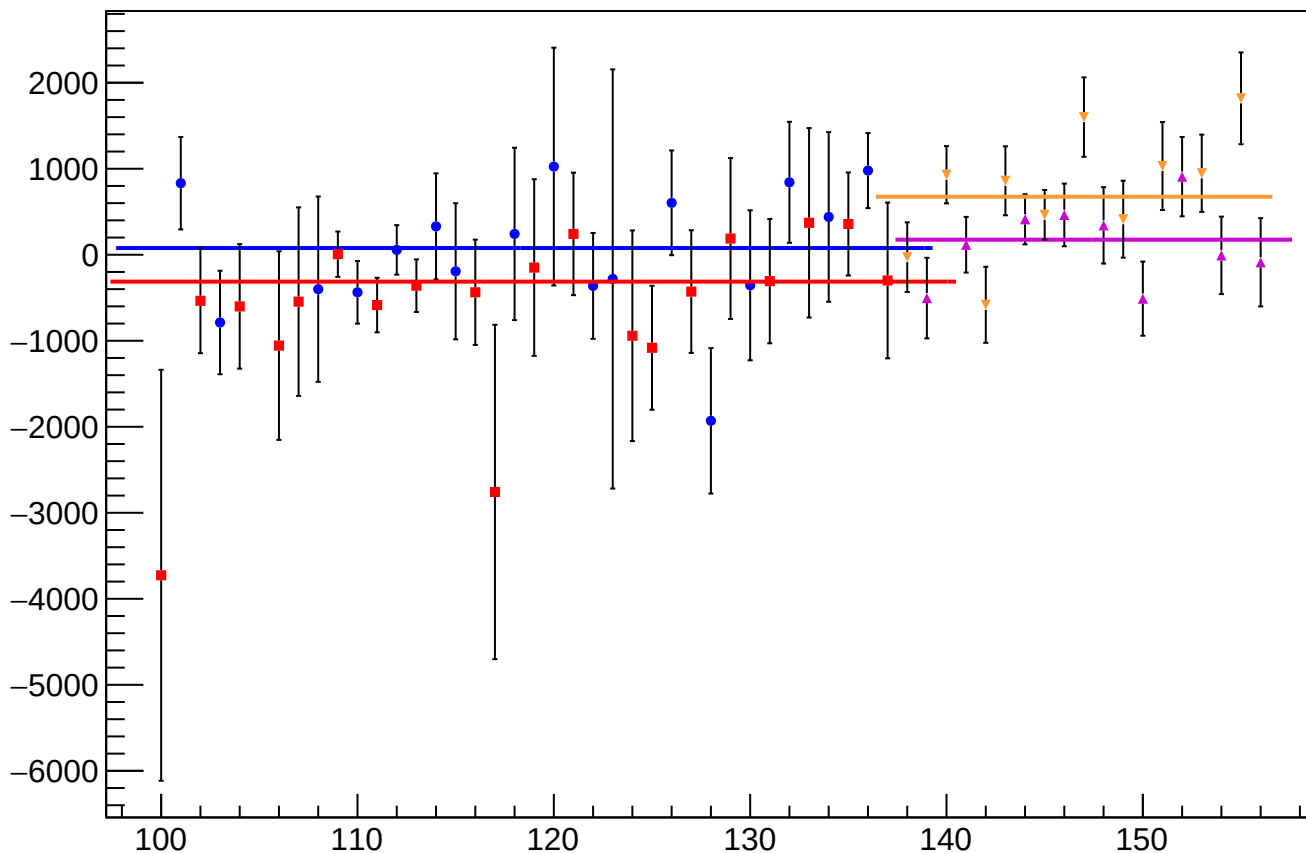
Left In: 1050.378 $\pm$ 0.276 χ^2 /NDF:226248.0/8

700.072 $\pm$ 0.147 χ^2 /NDF: 5397764.0/26

708.865 $\pm$ 0.104 χ^2 /NDF: 10523101.0/55

717.640 $\pm$ 0.147 χ^2 /NDF: 5118225.5/28

asym_sam7_mean vs Slug, Sign Corrected



Right In: 78.184 $\pm$ 142.869 χ^2/NDF : 19.8/16

Left Out: 674.376 $\pm$ 128.607 χ^2/NDF : 22.2/9

Right Out: -312.536 $\pm$ 129.362 χ^2/NDF : 10.7/19

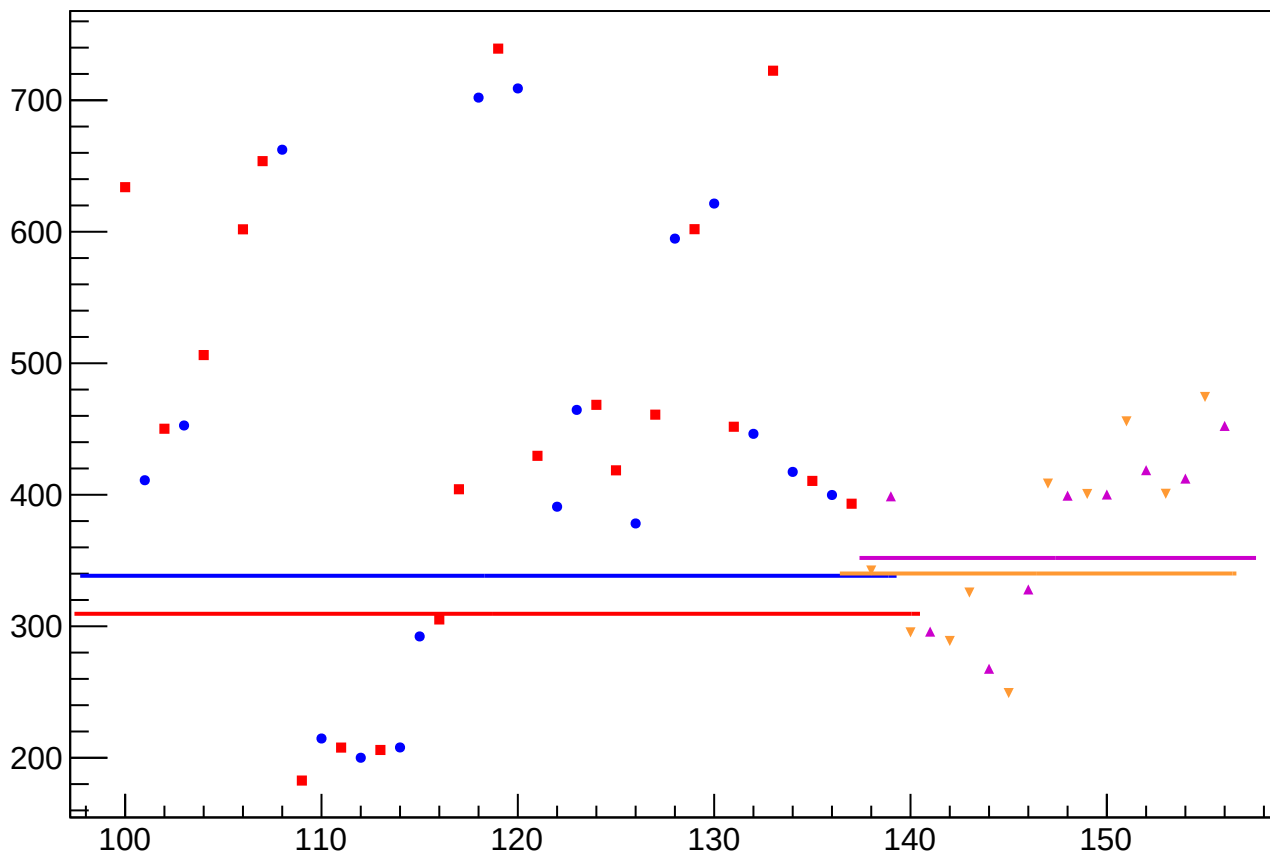
Left In: 175.217 $\pm$ 132.097 χ^2/NDF : 9.0/8

407.515 $\pm$ 95.585 χ^2/NDF : 51.6/26

158.790 $\pm$ 66.443 χ^2/NDF : 91.4/55

-73.761 $\pm$ 92.424 χ^2/NDF : 26.7/28

asym_sam7_rms vs Slug, Sign Corrected



Right In: 338.408 $\pm$ 0.101 χ^2/NDF : 2009287.1/16

Left Out: 340.132 $\pm$ 0.091 χ^2/NDF : 610204.9/9

Right Out: 309.503 $\pm$ 0.091 χ^2/NDF : 2738236.3/19

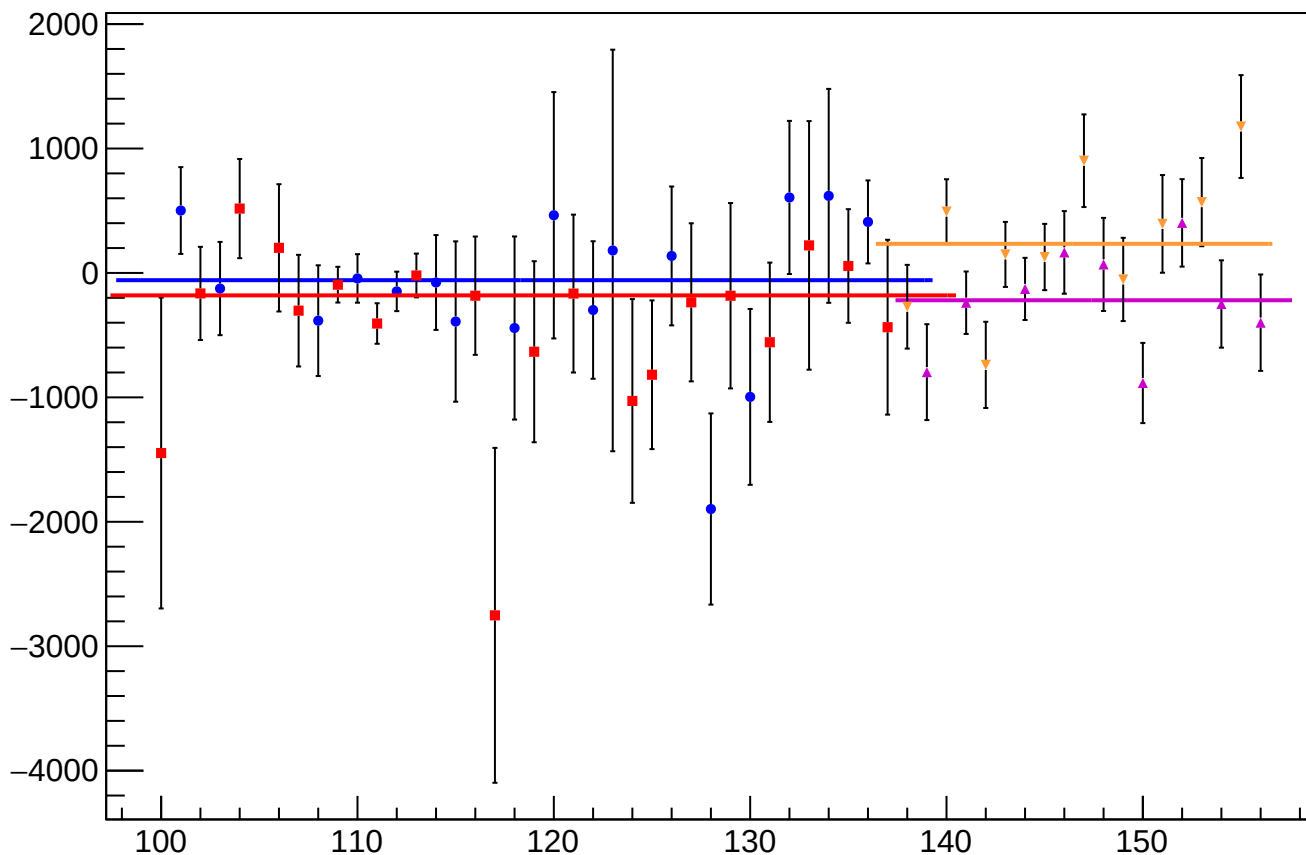
Left In: 351.961 $\pm$ 0.093 χ^2/NDF : 458045.1/8

339.360 $\pm$ 0.068 χ^2/NDF : 2619652.8/26

334.671 $\pm$ 0.047 χ^2/NDF : 5930717.0/55

330.288 $\pm$ 0.065 χ^2/NDF : 3301753.2/28

asym_sam8_mean vs Slug, Sign Corrected



Right In: -58.299+/-90.484 χ^2/NDF : 15.9/16

Left Out: 234.082+/-101.465 χ^2/NDF : 21.6/9

Right Out: -180.354+/-76.795 χ^2/NDF : 15.0/19

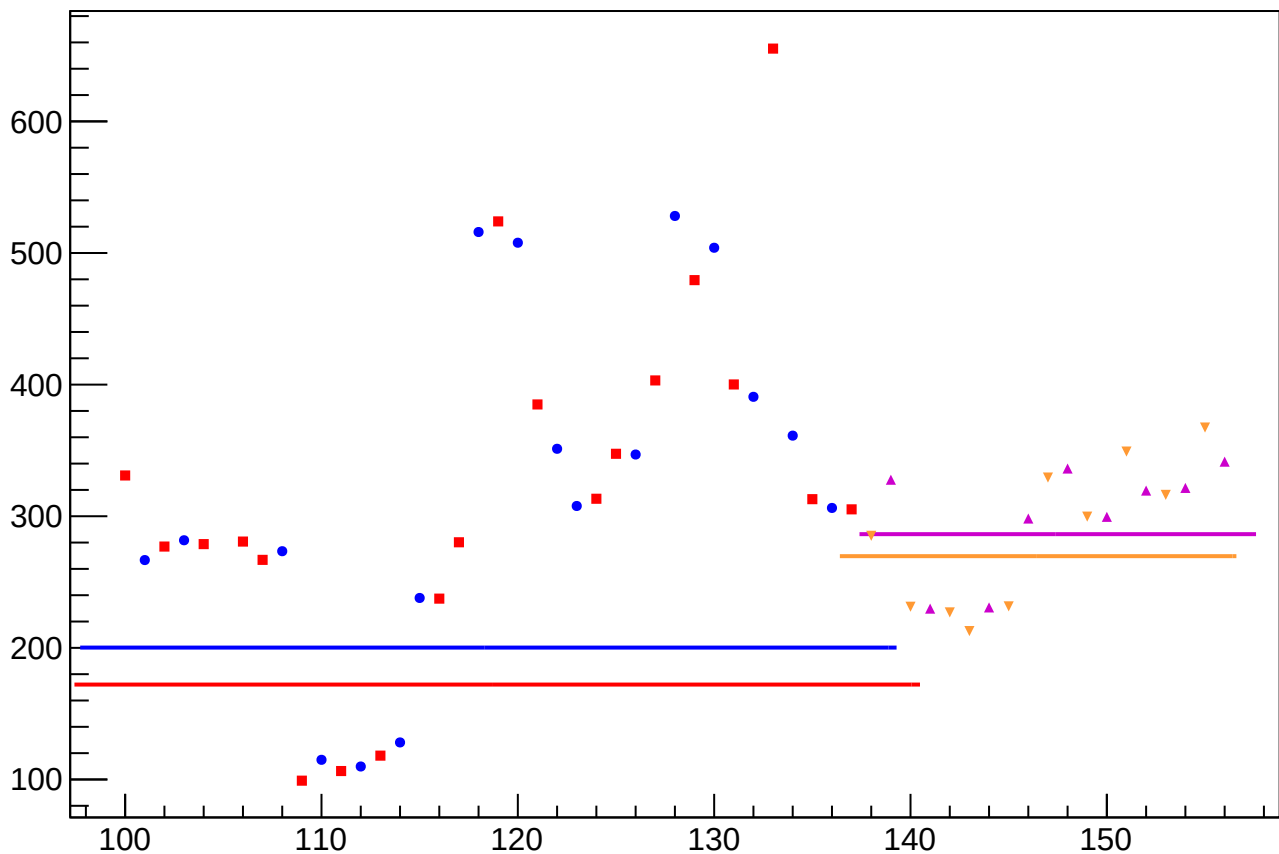
Left In: -219.641+/-106.986 χ^2/NDF : 11.9/8

71.220+/-67.532 χ^2/NDF : 42.1/26

-71.722+/-45.825 χ^2/NDF : 77.4/55

-193.713+/-62.386 χ^2/NDF : 27.0/28

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.209 $\pm$ 0.064 χ^2 /NDF: 3387197.7/16

Left Out: 269.665 $\pm$ 0.072 χ^2 /NDF: 510143.2/9

Right Out: 172.110 $\pm$ 0.054 χ^2 /NDF: 4106869.2/19

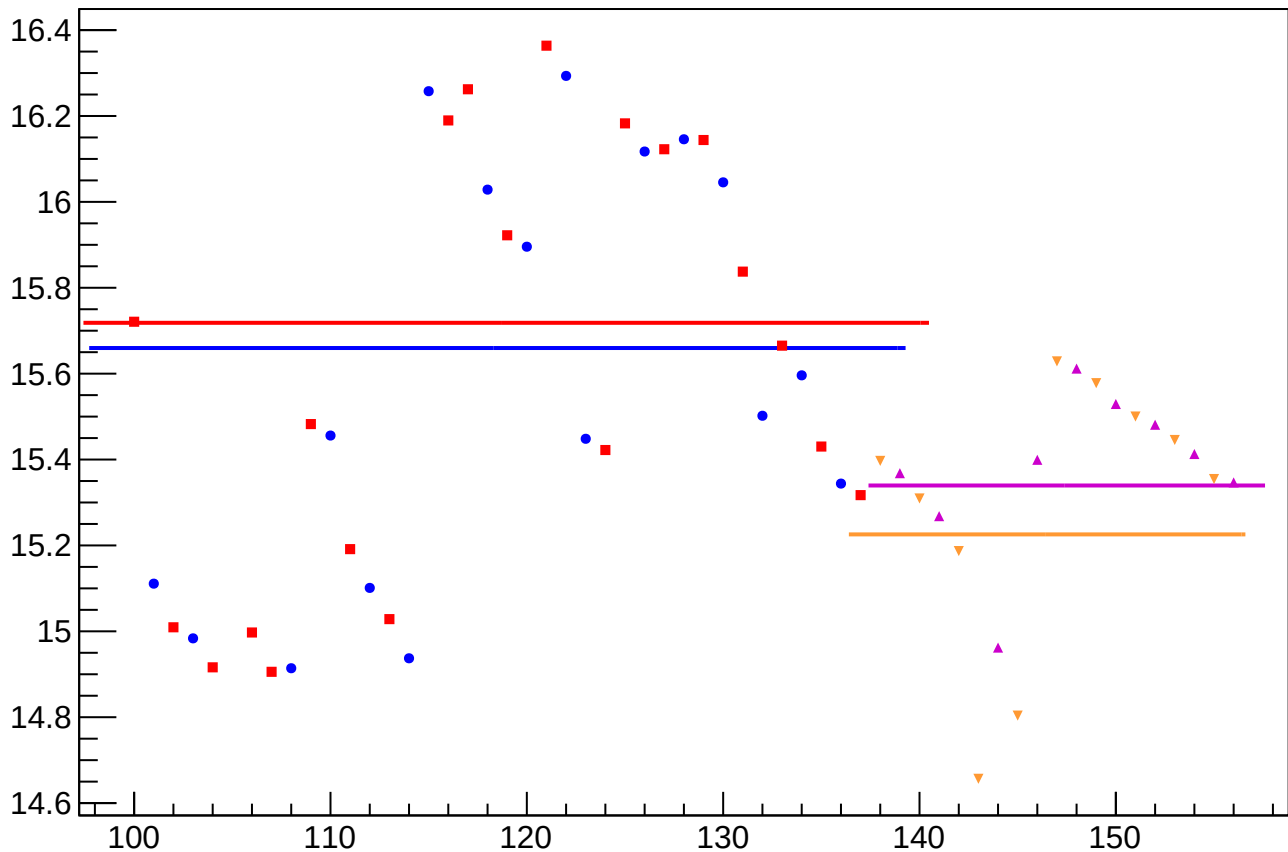
Left In: 286.387 $\pm$ 0.076 χ^2 /NDF: 343622.9/8

230.977 $\pm$ 0.048 χ^2 /NDF: 4419367.1/26

220.181 $\pm$ 0.032 χ^2 /NDF: 10470534.6/55

210.968 $\pm$ 0.044 χ^2 /NDF: 5956445.8/28

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.660 $\pm$ 0.000 χ^2 /NDF: 5782644553.5/16

Left Out: 15.226 $\pm$ 0.000 χ^2 /NDF: 6122840263.6/9

Right Out: 15.718 $\pm$ 0.000 χ^2 /NDF: 5490626945.9/19

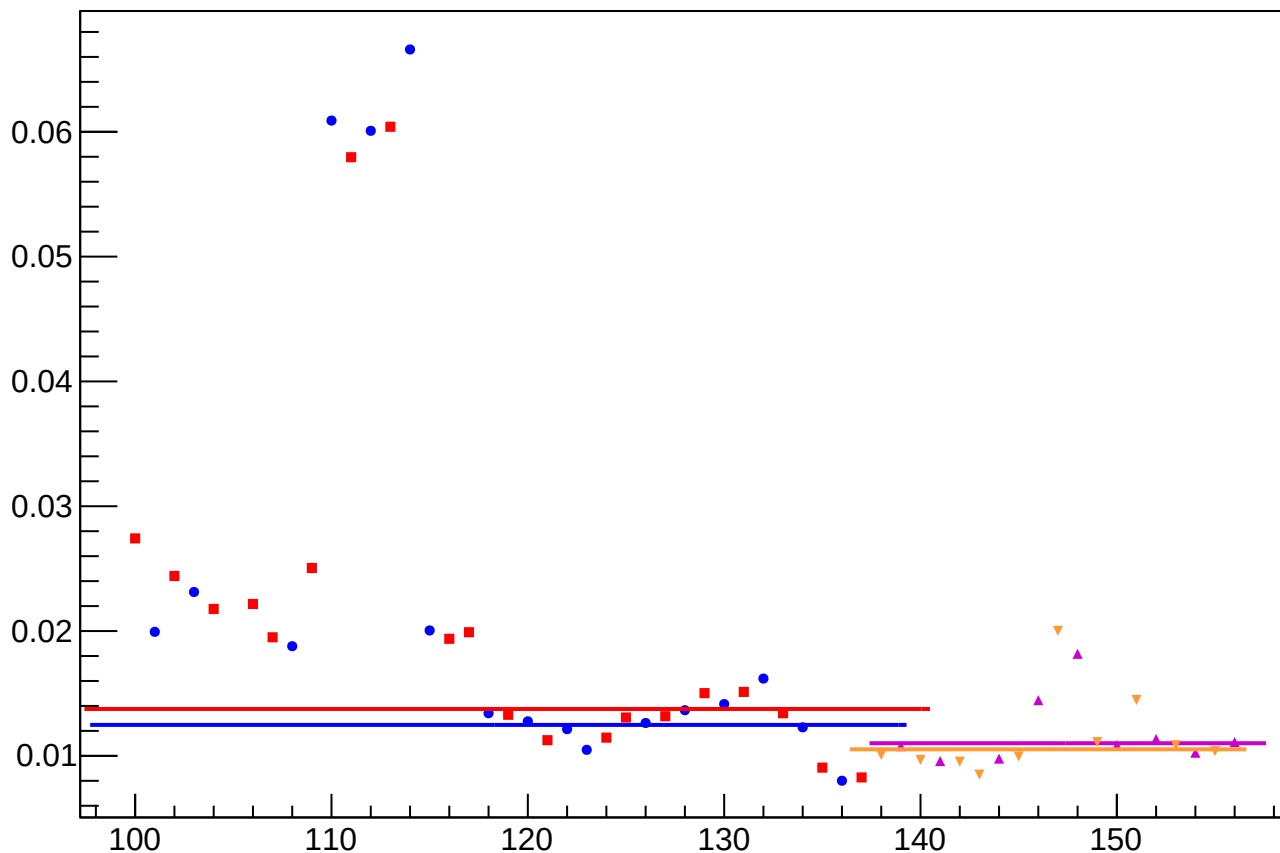
Left In: 15.340 $\pm$ 0.000 χ^2 /NDF: 1868380514.3/8

15.380 $\pm$ 0.000 χ^2 /NDF: 15929186418.2/26

15.422 $\pm$ 0.000 χ^2 /NDF: 26382315145.0/26

15.468 $\pm$ 0.000 χ^2 /NDF: 10102285511.5/28

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

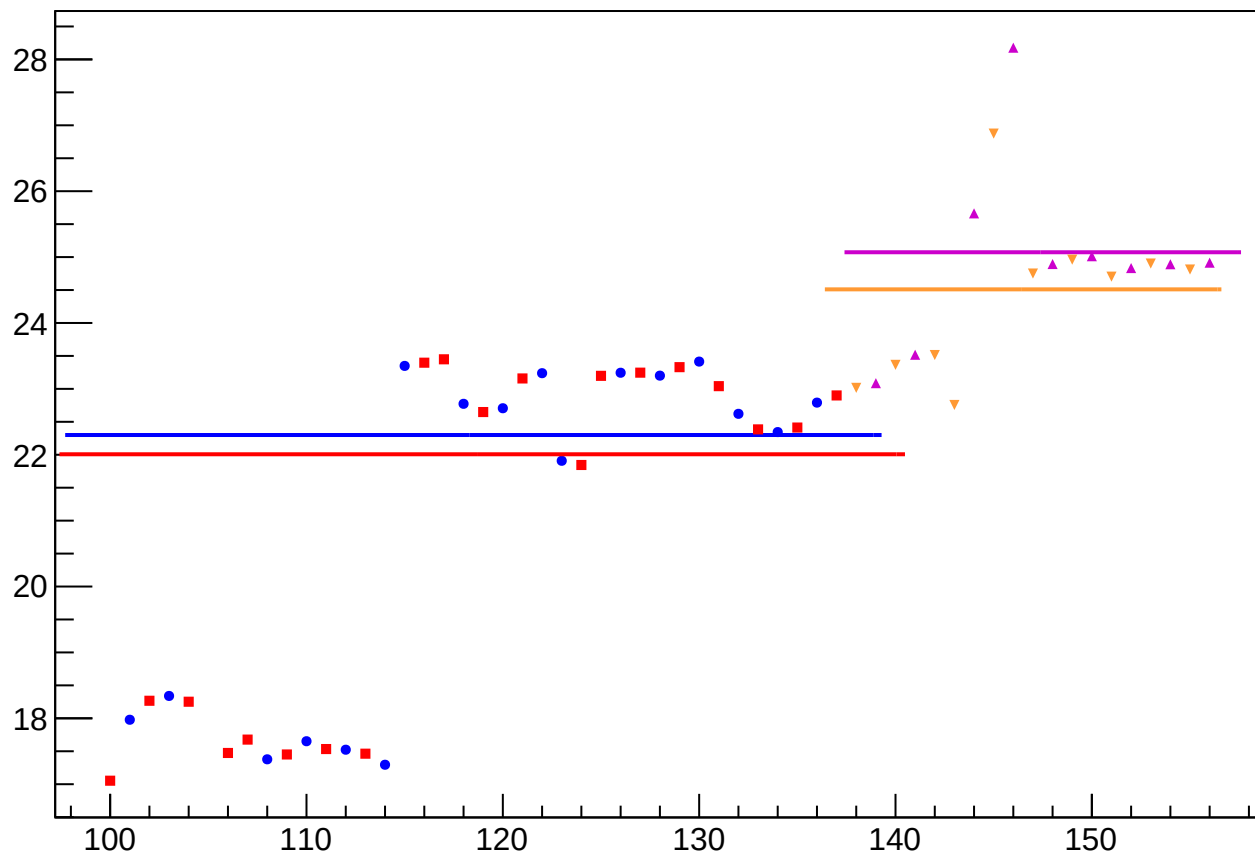
Left In: 0.011+/-0.000 χ^2/NDF : 392705.6/8

0.011+/-0.000 χ^2/NDF : 2865583.9/26

0.012+/-0.000 χ^2/NDF : 5678311.8/55

0.012+/-0.000 χ^2/NDF : 2765802.8/28

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.300 $\pm$ 0.000 χ^2/NDF : 938398636.8/16

Left Out: 24.510 $\pm$ 0.000 χ^2/NDF : 825221517.0/9

Right Out: 22.007 $\pm$ 0.000 χ^2/NDF : 1068683102.9/19

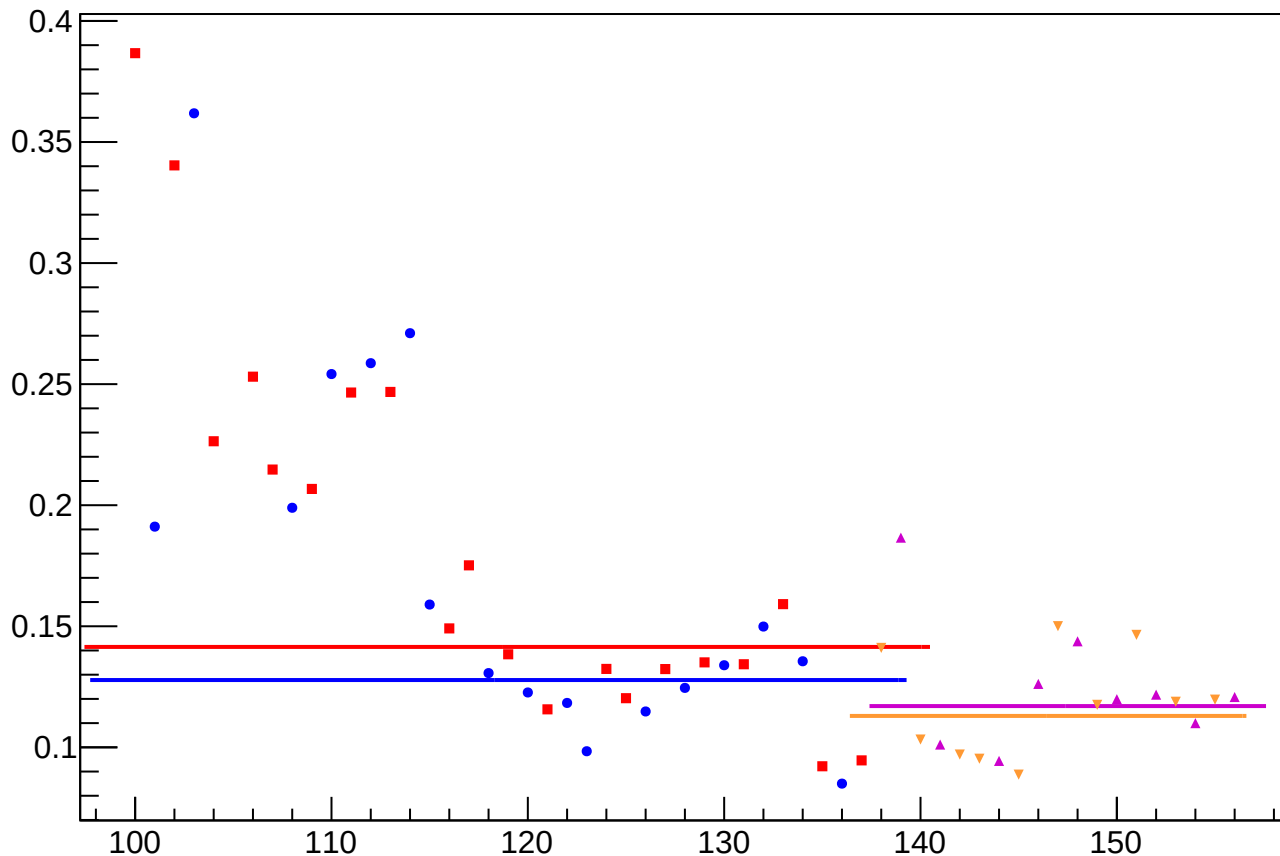
Left In: 25.073 $\pm$ 0.000 χ^2/NDF : 698047398.1/8

23.641 $\pm$ 0.000 χ^2/NDF : 2682208418.5/26

23.772 $\pm$ 0.000 χ^2/NDF : 6094422755.5/5

23.912 $\pm$ 0.000 χ^2/NDF : 3384454581.5/28

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.128+/-0.000 χ^2/NDF : 1492109.7/16

Left Out: 0.113+/-0.000 χ^2/NDF : 381609.1/9

Right Out: 0.141+/-0.000 χ^2/NDF : 1452162.4/19

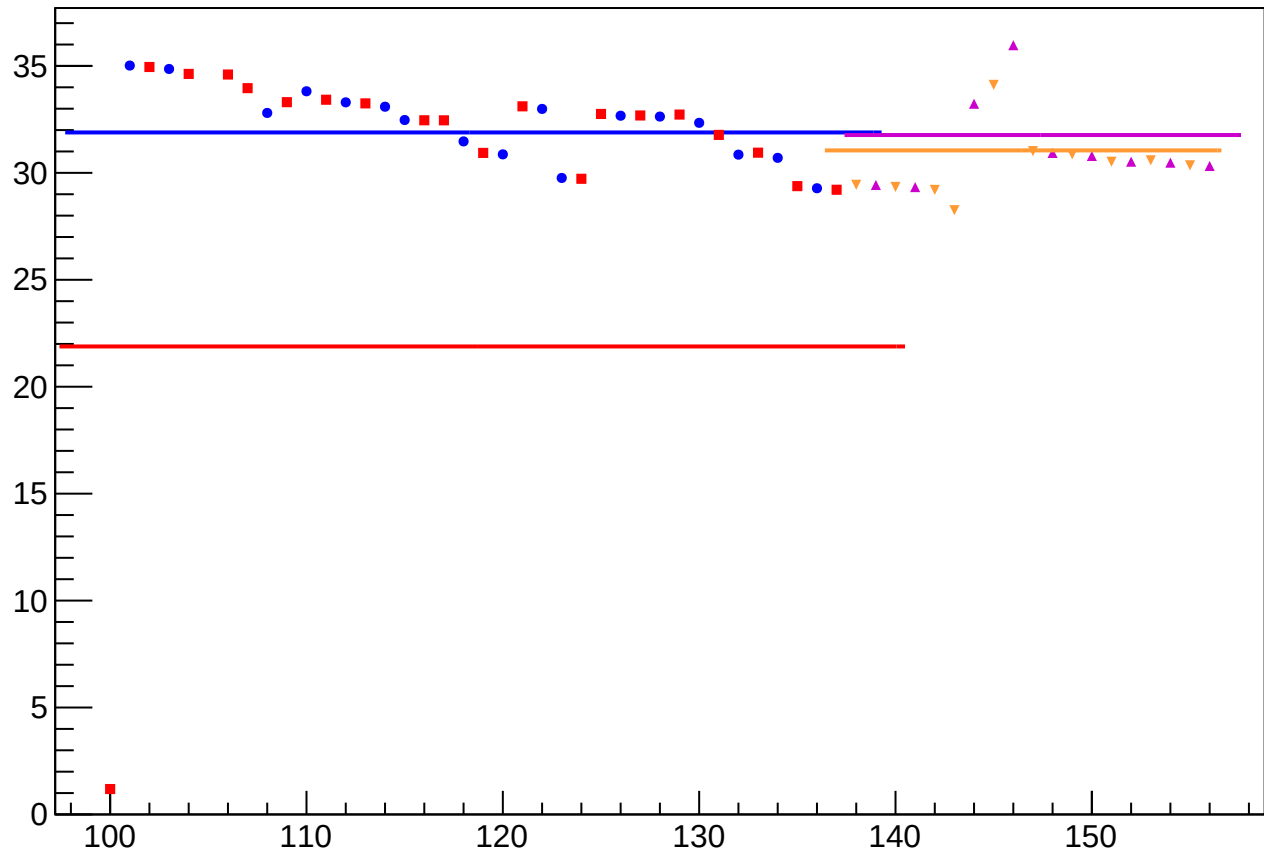
Left In: 0.117+/-0.000 χ^2/NDF : 384512.8/8

0.119+/-0.000 χ^2/NDF : 1956289.4/26

0.122+/-0.000 χ^2/NDF : 4041005.5/55

0.126+/-0.000 χ^2/NDF : 2042081.1/28

yield_sam3_mean vs Slug, Sign Corrected



Right In: 31.889+/-0.000 χ^2/NDF : 1930403776.3/16

Left Out: 31.049+/-0.000 χ^2/NDF : 4283721227.9/9

Right Out: 21.883+/-0.000 χ^2/NDF : 230247118310.5/19

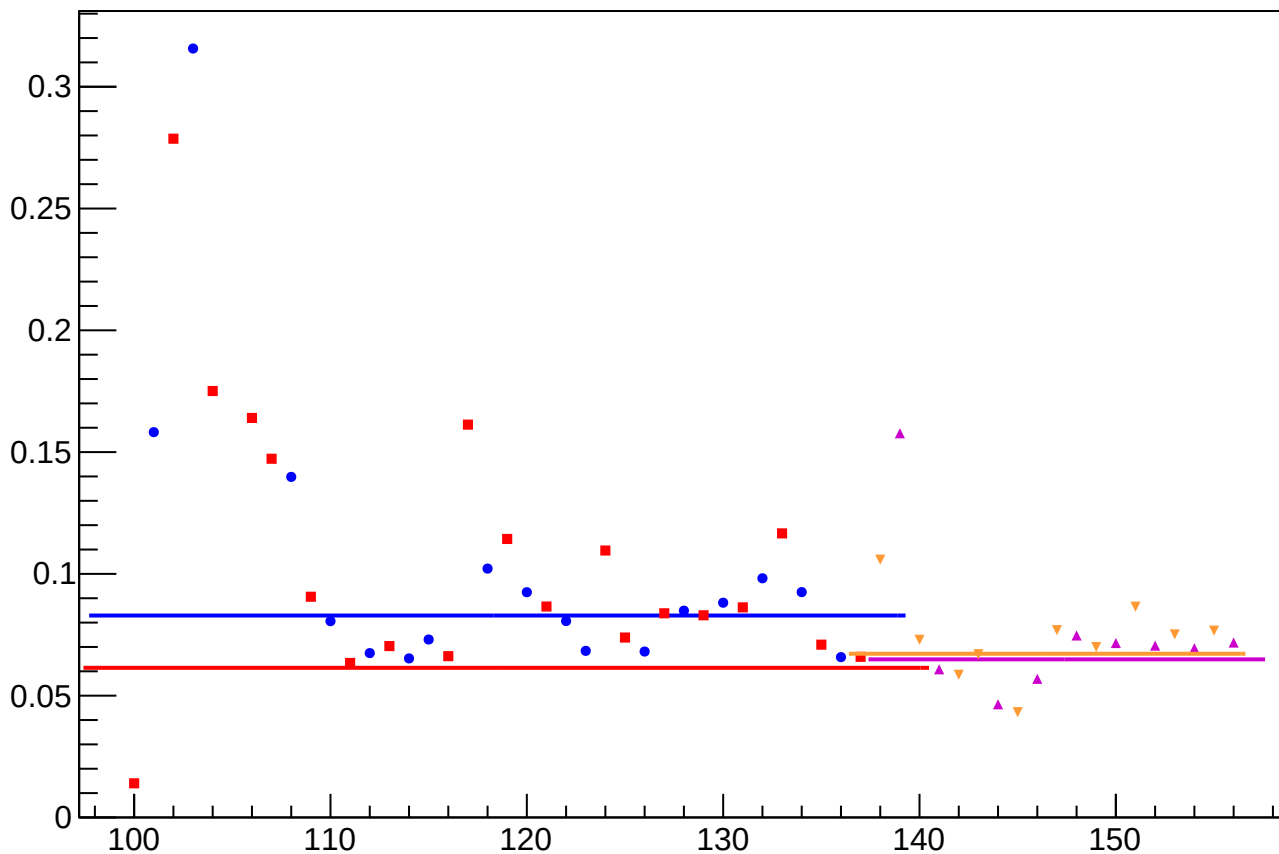
Left In: 31.769+/-0.000 χ^2/NDF : 5830804842.6/8

31.366+/-0.000 χ^2/NDF : 6527415955.6/26

29.099+/-0.000 χ^2/NDF : 316925068621.7

27.269+/-0.000 χ^2/NDF : 292838121930.6/28

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 $\chi^2/\text{NDF}: 3635656.2/19$

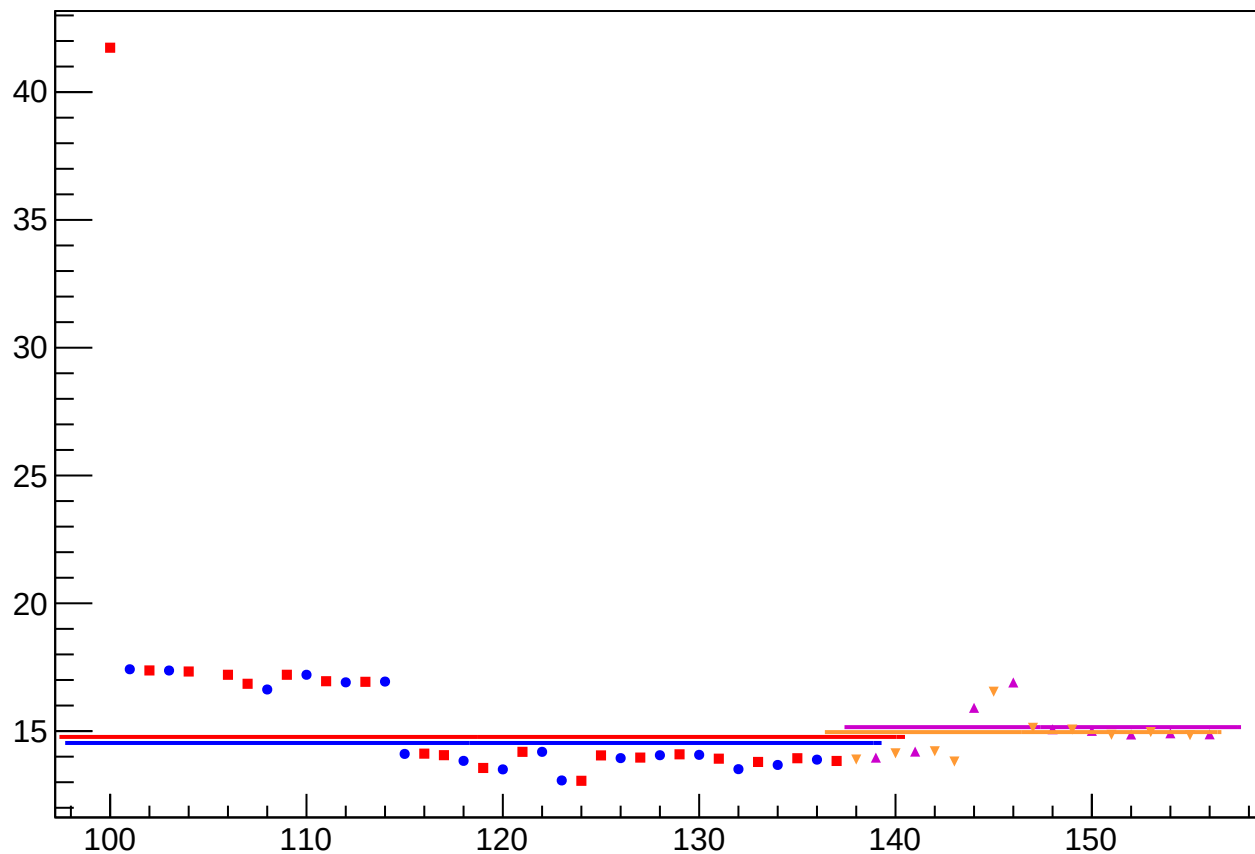
Left In: 0.065 ± 0.000 $\chi^2/\text{NDF}: 765152.1/8$

0.073 ± 0.000 $\chi^2/\text{NDF}: 2007457.3/26$

0.068 ± 0.000 $\chi^2/\text{NDF}: 6623102.8/55$

0.063 ± 0.000 $\chi^2/\text{NDF}: 4414726.2/28$

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

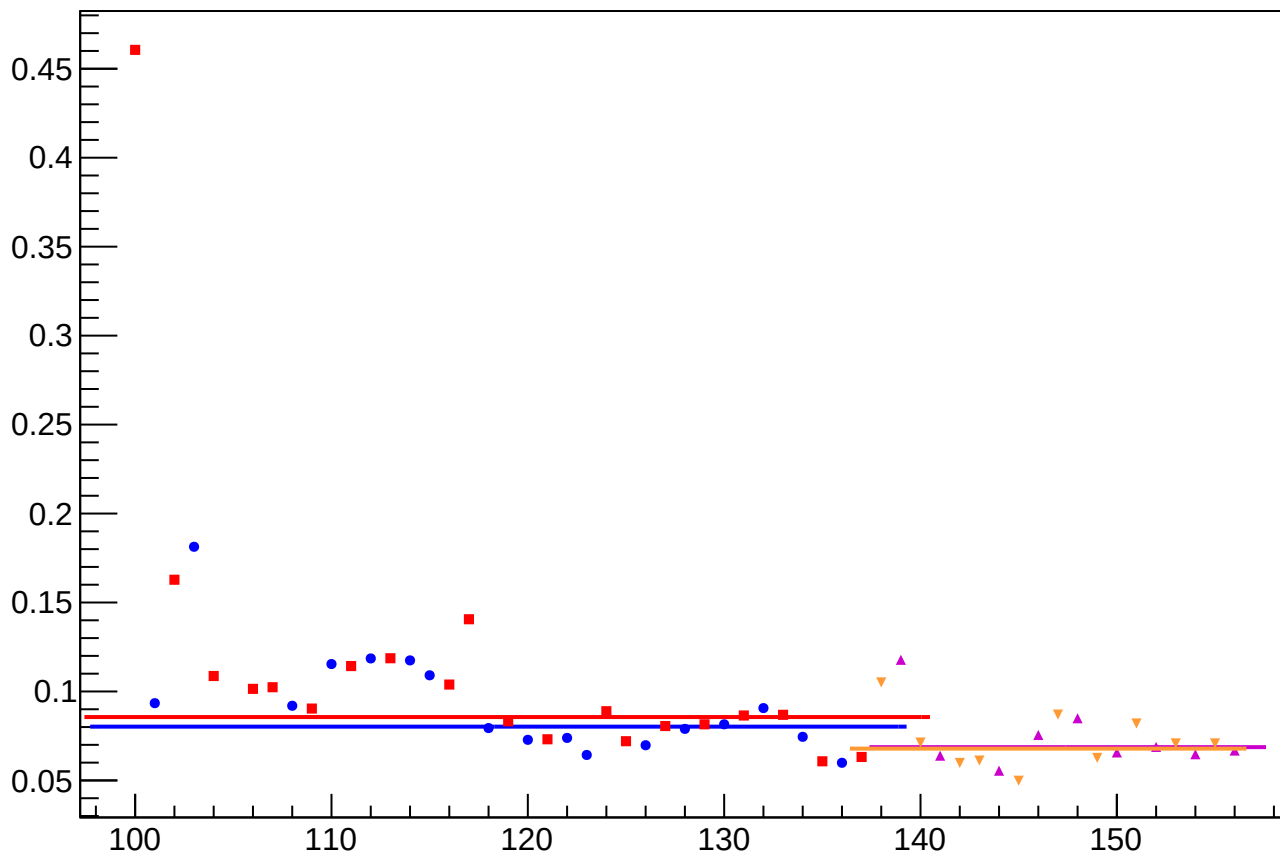
Left In: 15.155 $\pm$ 0.000 χ^2 /NDF: 734085253.0/8

14.790 $\pm$ 0.000 χ^2 /NDF: 2510115298.3/26

14.898 $\pm$ 0.000 χ^2 /NDF: 5254824703.6/5

15.008 $\pm$ 0.000 χ^2 /NDF: 2694653172.9/28

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.080+/-0.000 χ^2/NDF : 778734.5/16

Left Out: 0.068+/-0.000 χ^2/NDF : 462159.7/9

Right Out: 0.086+/-0.000 χ^2/NDF : 750289.2/19

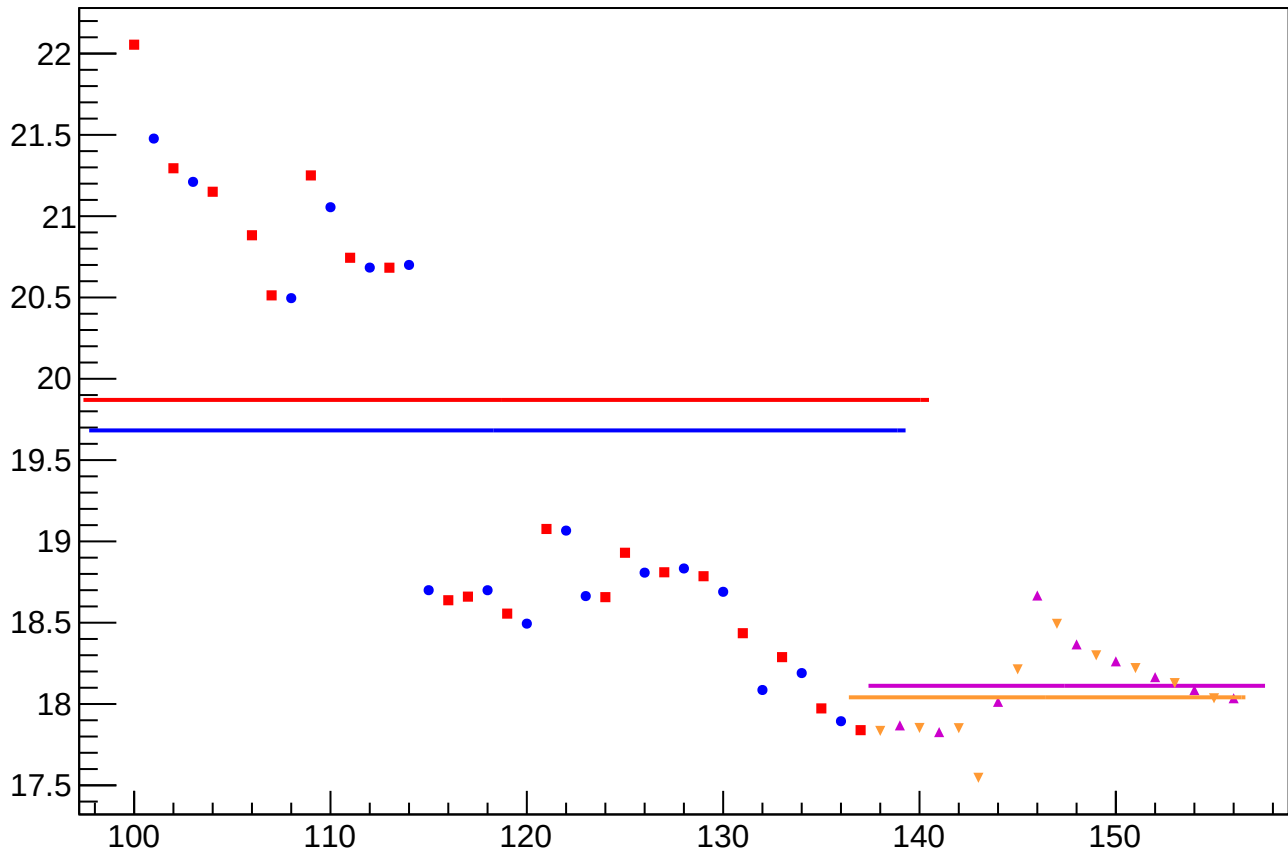
Left In: 0.069+/-0.000 χ^2/NDF : 399415.0/8

0.073+/-0.000 χ^2/NDF : 1397009.2/26

0.074+/-0.000 χ^2/NDF : 2841964.5/55

0.075+/-0.000 χ^2/NDF : 1433007.6/28

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.683 ± 0.000 χ^2/NDF : 12276801857.2/16

Left Out: 18.041 ± 0.000 χ^2/NDF : 397168208.7/9

Right Out: 19.870 ± 0.000 χ^2/NDF : 11333011670.6/19

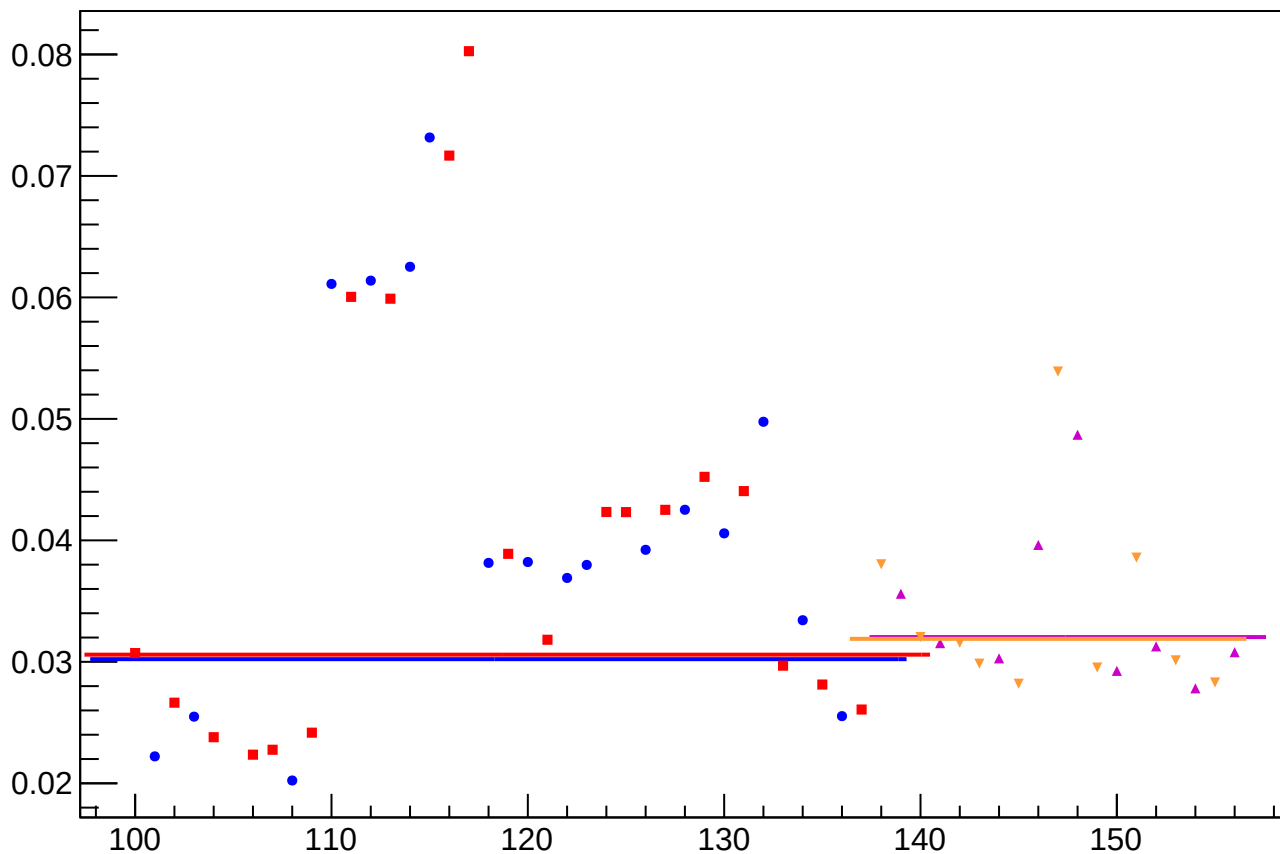
Left In: 18.112 ± 0.000 χ^2/NDF : 305277949.9/8

18.825 ± 0.000 χ^2/NDF : 21281572645.4/26

18.894 ± 0.000 χ^2/NDF : 43143983587.2/26

18.962 ± 0.000 χ^2/NDF : 21740247490.8/28

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030 +/- 0.000 χ^2/NDF : 1324518.2/16

Left Out: 0.032 +/- 0.000 χ^2/NDF : 401197.3/9

Right Out: 0.031 +/- 0.000 χ^2/NDF : 1219224.0/19

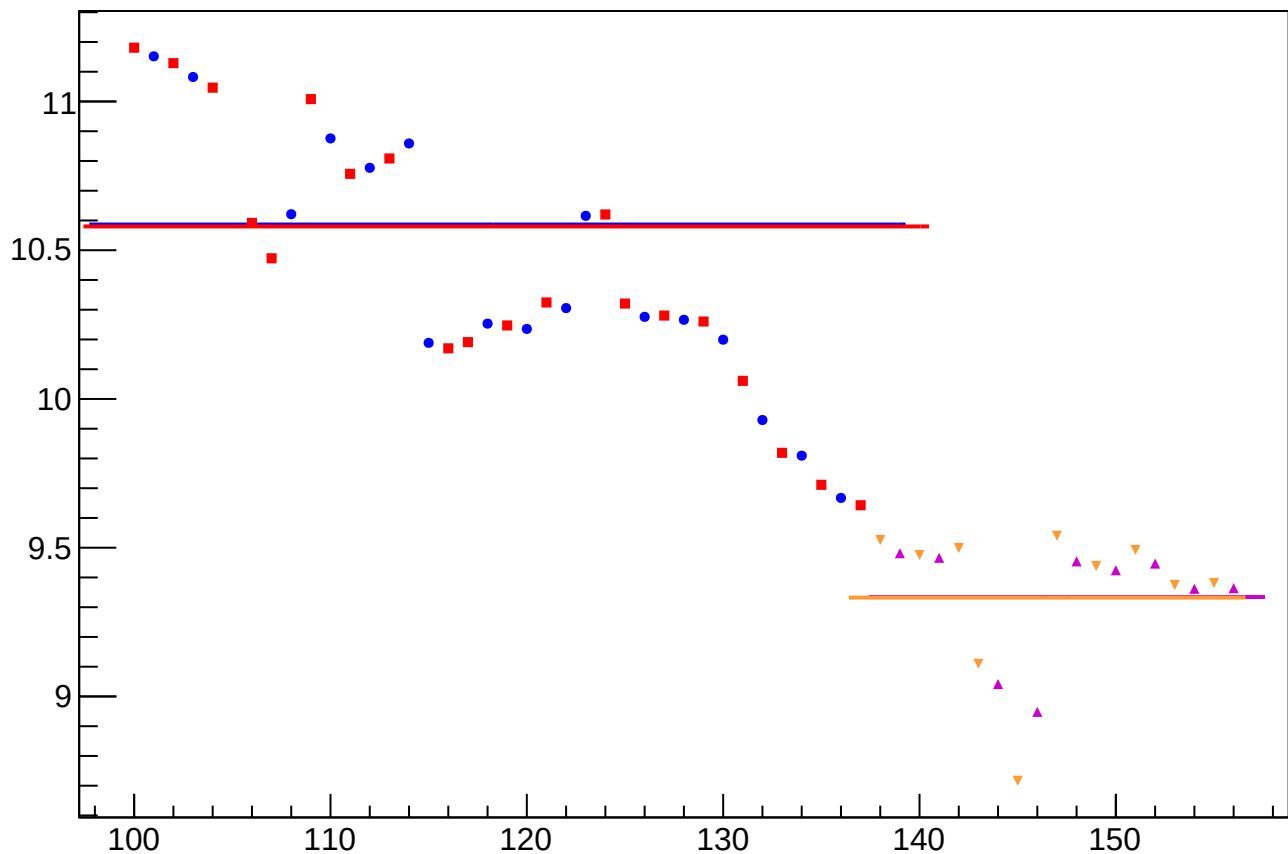
Left In: 0.032 +/- 0.000 χ^2/NDF : 310567.7/8

0.031 +/- 0.000 χ^2/NDF : 1743618.1/26

0.031 +/- 0.000 χ^2/NDF : 3287868.1/55

0.031 +/- 0.000 χ^2/NDF : 1543476.2/28

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.586+/-0.000 χ^2/NDF : 7420104563.4/16

Left Out: 9.332+/-0.000 χ^2/NDF : 1040096435.4/9

Right Out: 10.580+/-0.000 χ^2/NDF : 5769007164.9/19

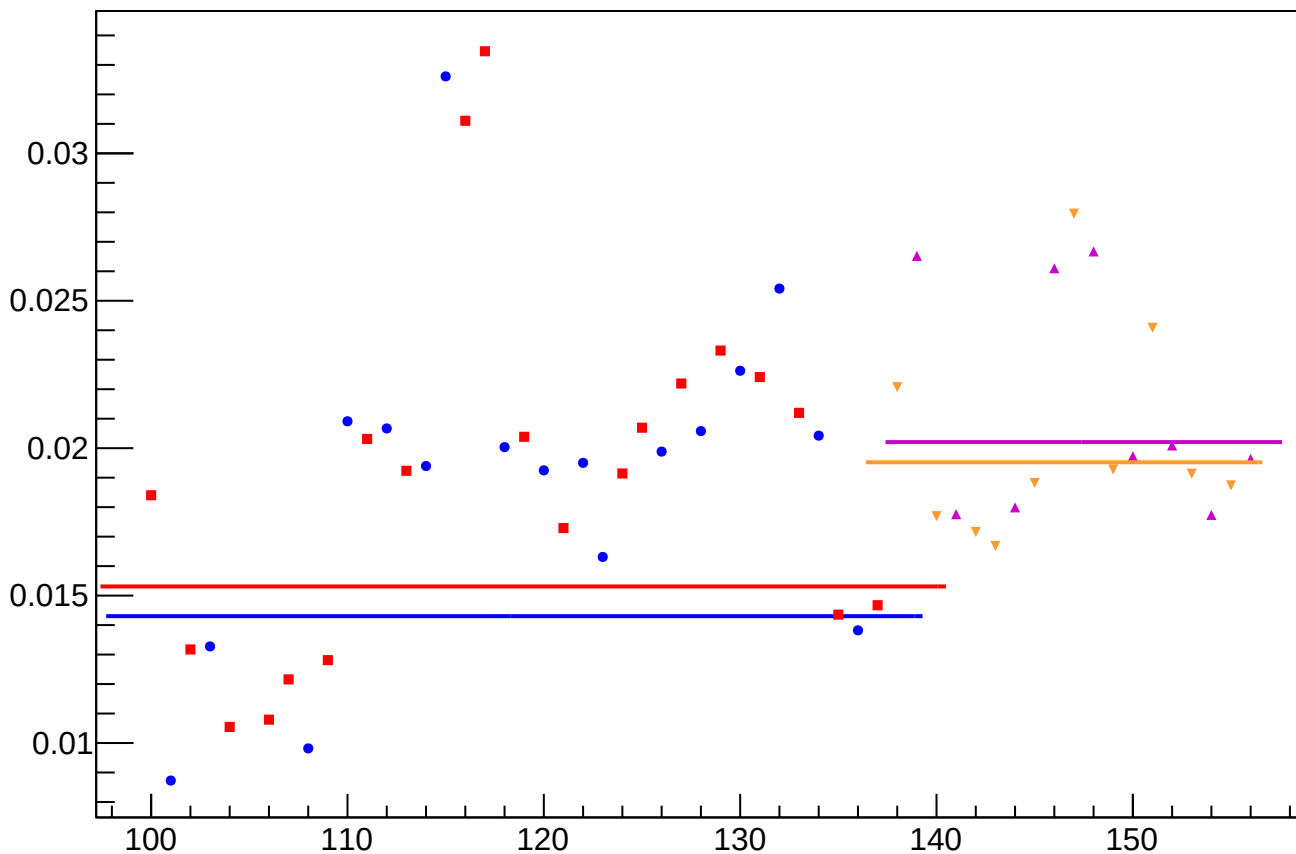
Left In: 9.334+/-0.000 χ^2/NDF : 487250845.0/8

10.087+/-0.000 χ^2/NDF : 24777692299.9/26

10.090+/-0.000 χ^2/NDF : 46377049077.5/26

10.093+/-0.000 χ^2/NDF : 21598467259.9/28

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 1408012.0/16

Left Out: 0.020 $\pm$ 0.000 χ^2/NDF : 276745.6/9

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1011477.2/19

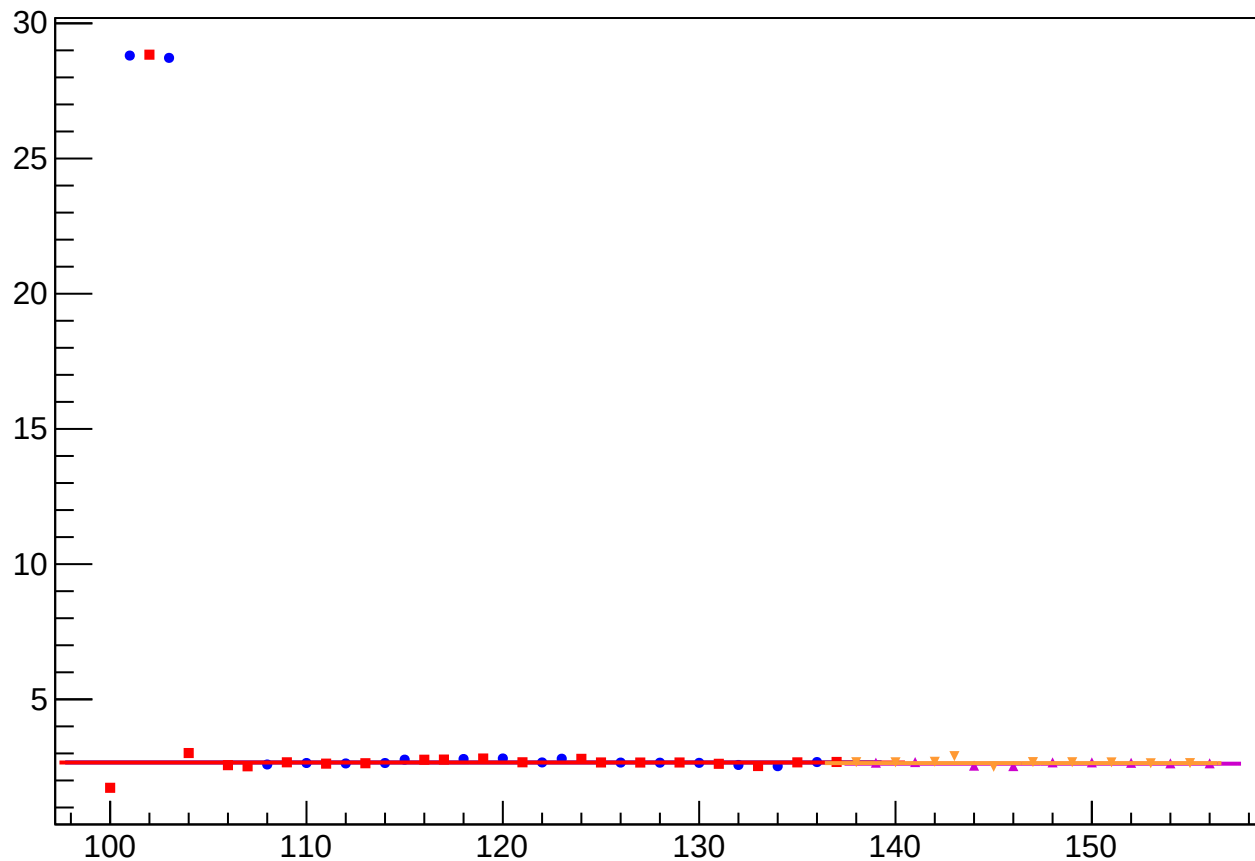
Left In: 0.020 $\pm$ 0.000 χ^2/NDF : 329147.7/8

0.016 $\pm$ 0.000 χ^2/NDF : 2249869.2/26

0.017 $\pm$ 0.000 χ^2/NDF : 4094544.8/55

0.017 $\pm$ 0.000 χ^2/NDF : 1814646.8/28

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

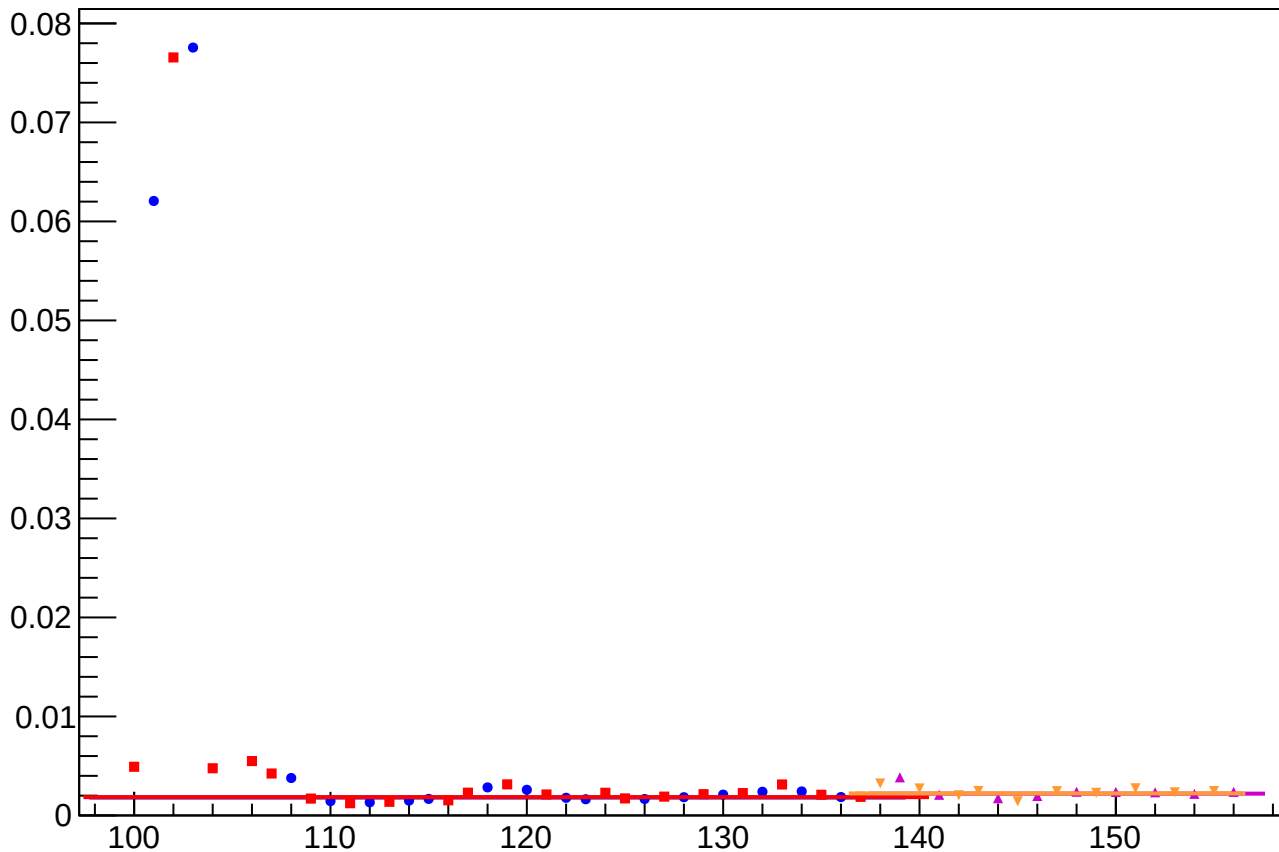
Left In: 2.620+/-0.000 χ^2/NDF : 3849437392.7/8

2.655+/-0.000 χ^2/NDF : 174885808187.3/26

2.649+/-0.000 χ^2/NDF : 250636173282.9/26

2.644+/-0.000 χ^2/NDF : 75591520481.3/28

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 2661372.0/16

Left Out: 0.002+/-0.000 χ^2/NDF : 607605.1/9

Right Out: 0.002+/-0.000 χ^2/NDF : 2334243.7/19

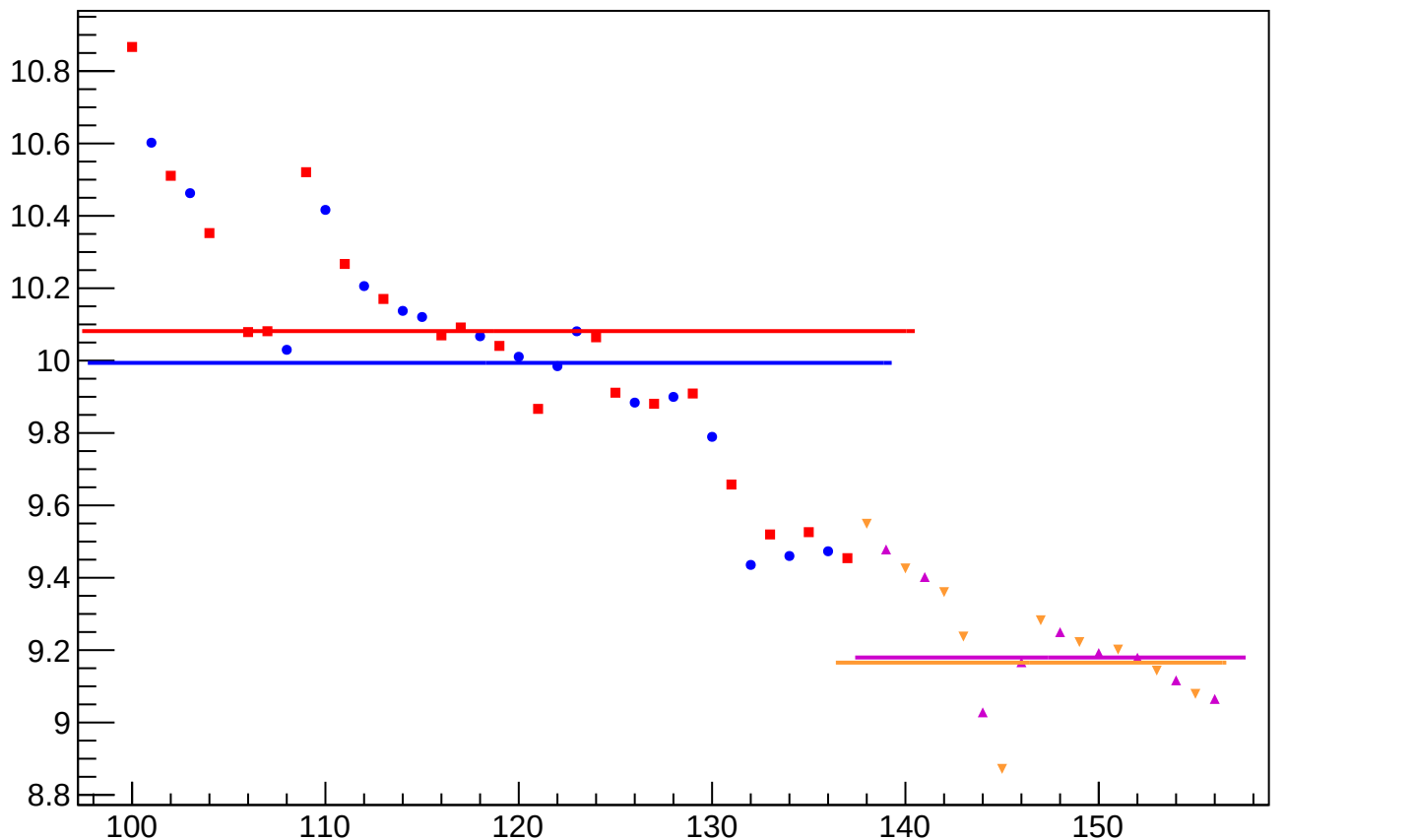
Left In: 0.002+/-0.000 χ^2/NDF : 400154.0/8

0.002+/-0.000 χ^2/NDF : 3475867.0/26

0.002+/-0.000 χ^2/NDF : 6376634.5/55

0.002+/-0.000 χ^2/NDF : 2900634.1/28

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.994 $\pm$ 0.000 χ^2/NDF : 18815741664.6/16

Left Out: 9.165 $\pm$ 0.000 χ^2/NDF : 4723891388.1/9

Right Out: 10.082 $\pm$ 0.000 χ^2/NDF : 15502760782.3/19

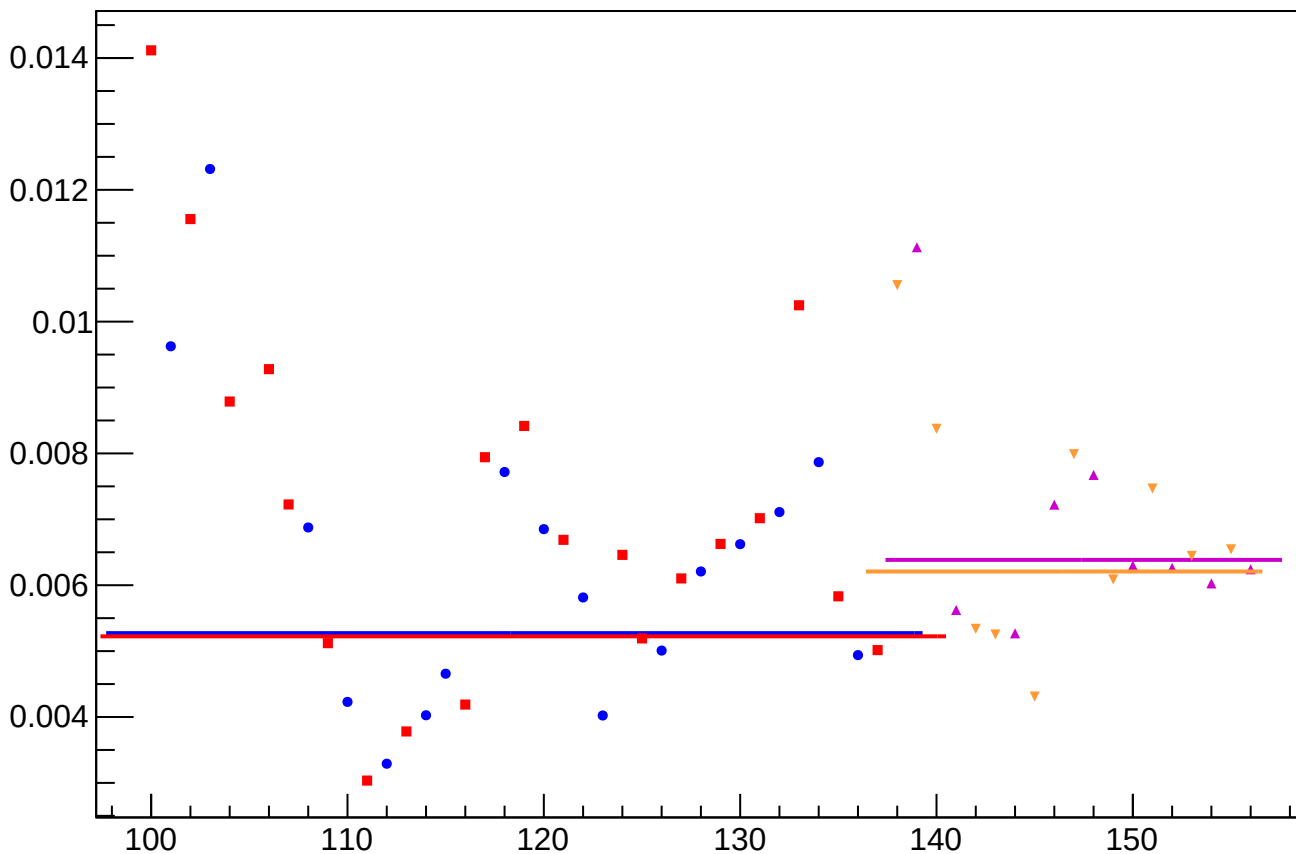
Left In: 9.180 $\pm$ 0.000 χ^2/NDF : 2285466062.2/8

9.624 $\pm$ 0.000 χ^2/NDF : 78881737905.3/26

9.660 $\pm$ 0.000 χ^2/NDF : 164687222169.5/26

9.695 $\pm$ 0.000 χ^2/NDF : 84967836780.9/28

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 1245563.1/16

Left Out: 0.006+/-0.000 χ^2/NDF : 655215.7/9

Right Out: 0.005+/-0.000 χ^2/NDF : 1667515.0/19

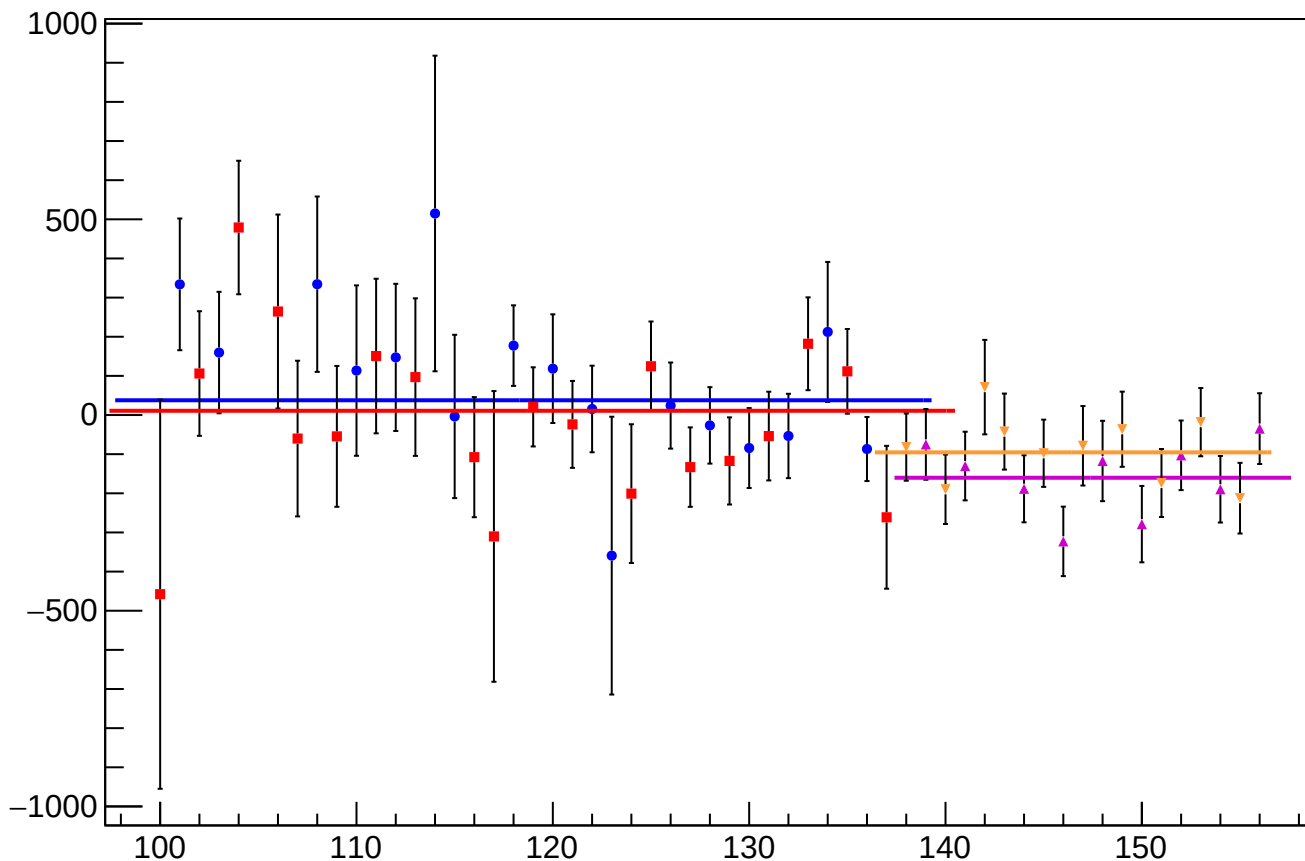
Left In: 0.006+/-0.000 χ^2/NDF : 389596.3/8

0.006+/-0.000 χ^2/NDF : 2041855.3/26

0.006+/-0.000 χ^2/NDF : 4321686.9/55

0.006+/-0.000 χ^2/NDF : 2279517.0/28

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 37.694 ± 32.253 $\chi^2/\text{NDF}: 16.7/16$

Left Out: -95.354 ± 29.295 $\chi^2/\text{NDF}: 7.0/9$

Right Out: 10.884 ± 31.947 $\chi^2/\text{NDF}: 23.5/19$

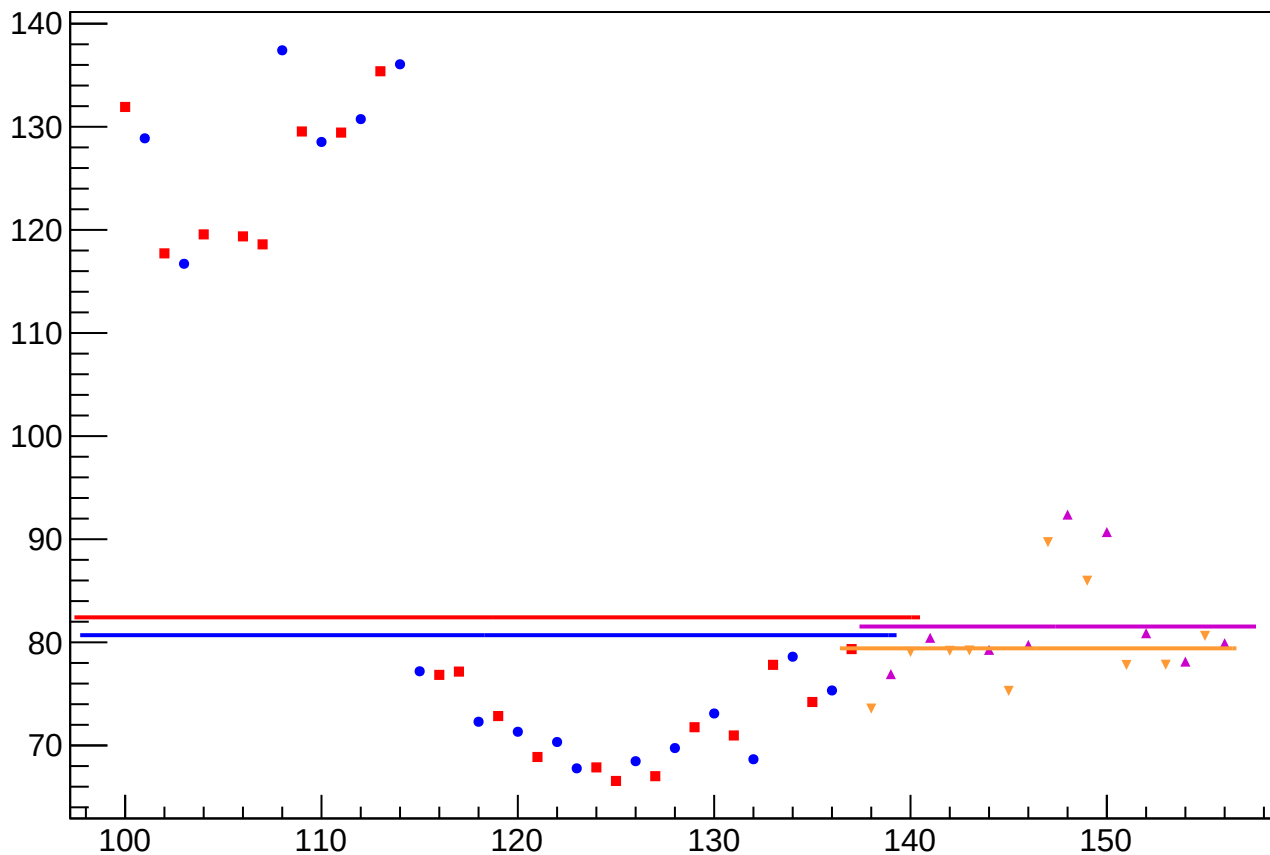
Left In: -160.246 ± 30.107 $\chi^2/\text{NDF}: 8.6/8$

-35.210 ± 21.685 $\chi^2/\text{NDF}: 33.1/26$

-57.250 ± 15.413 $\chi^2/\text{NDF}: 82.4/55$

-79.750 ± 21.911 $\chi^2/\text{NDF}: 47.3/28$

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.694+/-0.023 χ^2/NDF : 814026.4/16

Left Out: 79.418+/-0.021 χ^2/NDF : 45554.7/9

Right Out: 82.424+/-0.023 χ^2/NDF : 915282.5/19

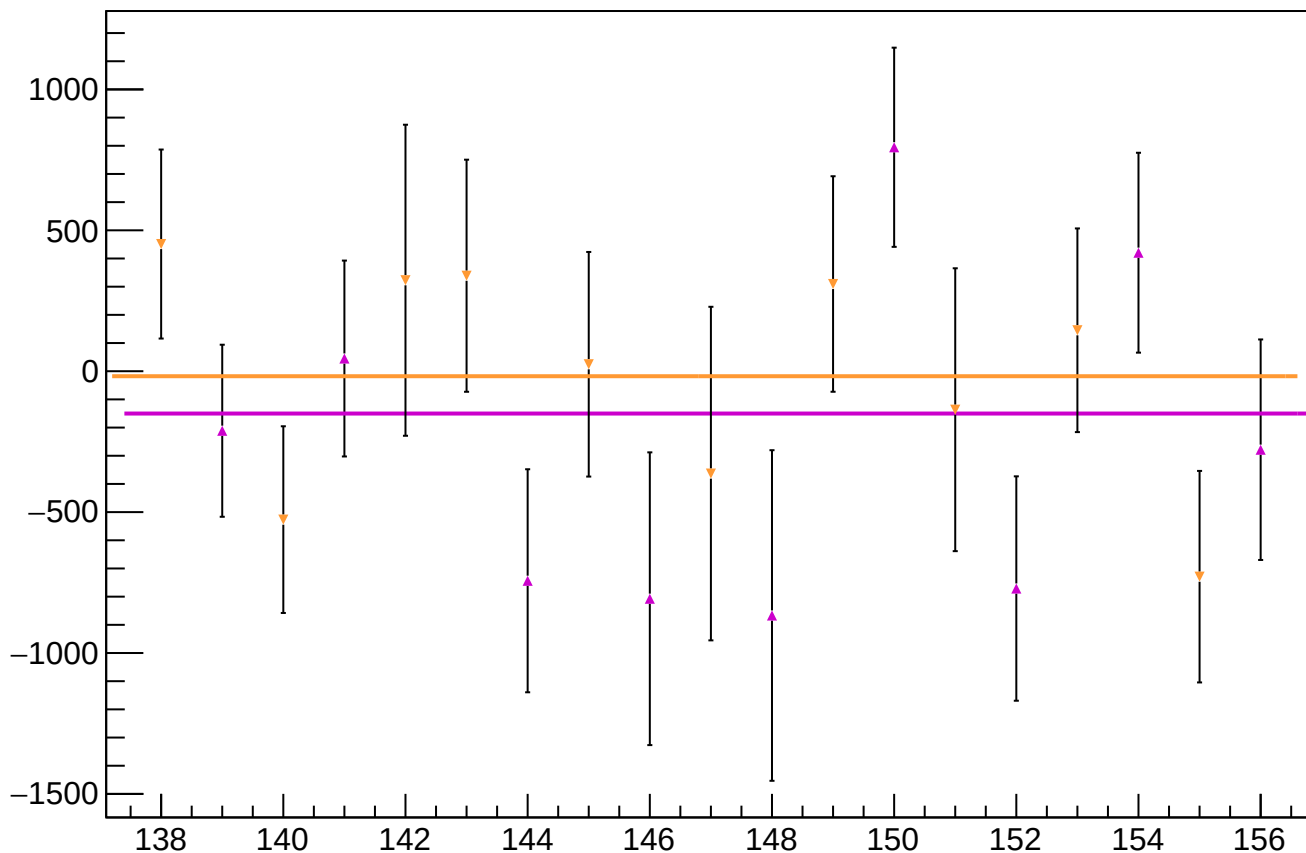
Left In: 81.534+/-0.021 χ^2/NDF : 51690.0/8

79.995+/-0.015 χ^2/NDF : 861298.2/26

80.964+/-0.011 χ^2/NDF : 1837161.9/55

81.953+/-0.015 χ^2/NDF : 967795.9/28

asym_sam1_correction_mean vs Slug, Sign Corrected



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

Left Out: -17.764+/-127.106 χ^2/NDF : 10.4/9

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

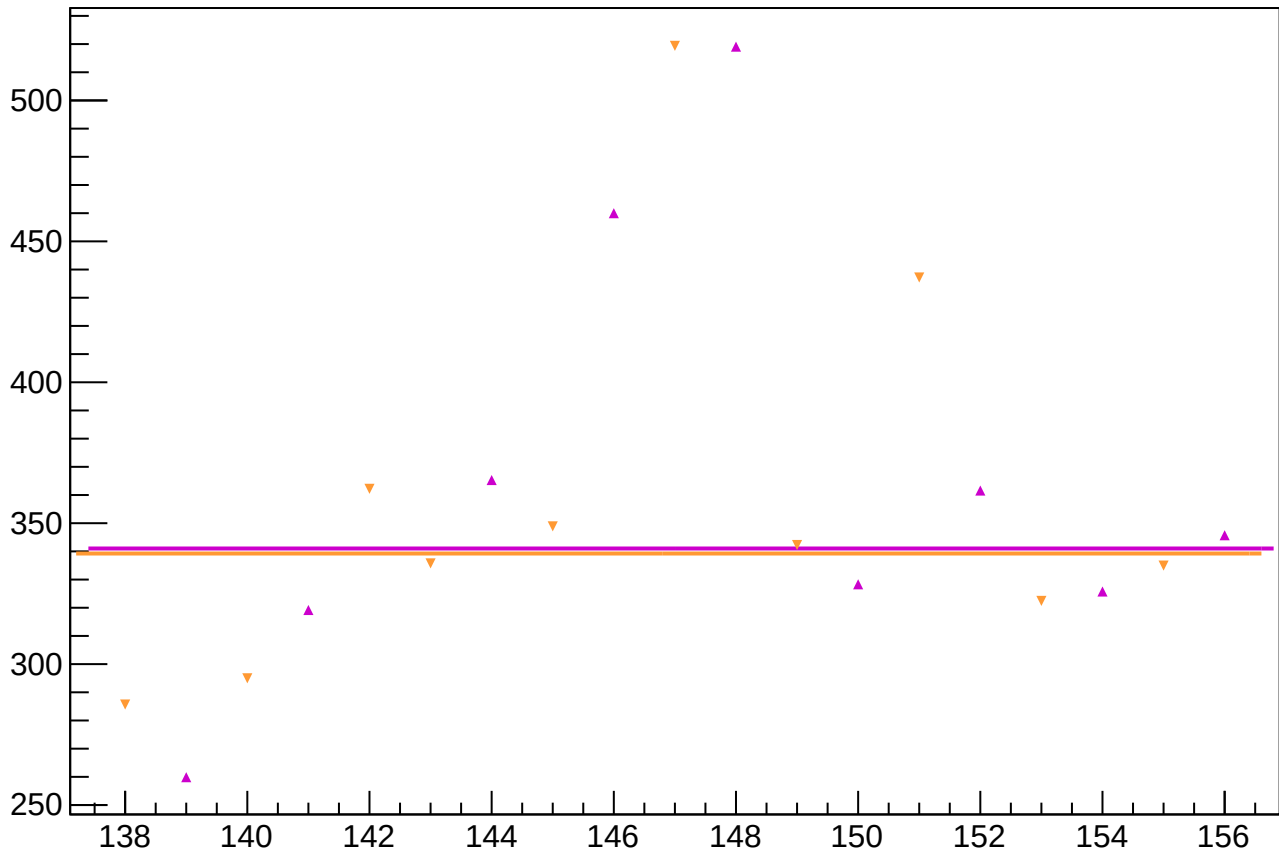
Left In: -150.197+/-128.245 χ^2/NDF : 18.0/8

-17.764+/-127.106 χ^2/NDF : 10.4/9

-83.390+/-90.278 χ^2/NDF : 28.9/18

-150.197+/-128.245 χ^2/NDF : 18.0/8

asym_sam1_correction_rms vs Slug, Sign Corrected



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

Left Out: 339.244+/-0.090 χ^2/NDF : 357654.4/9

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

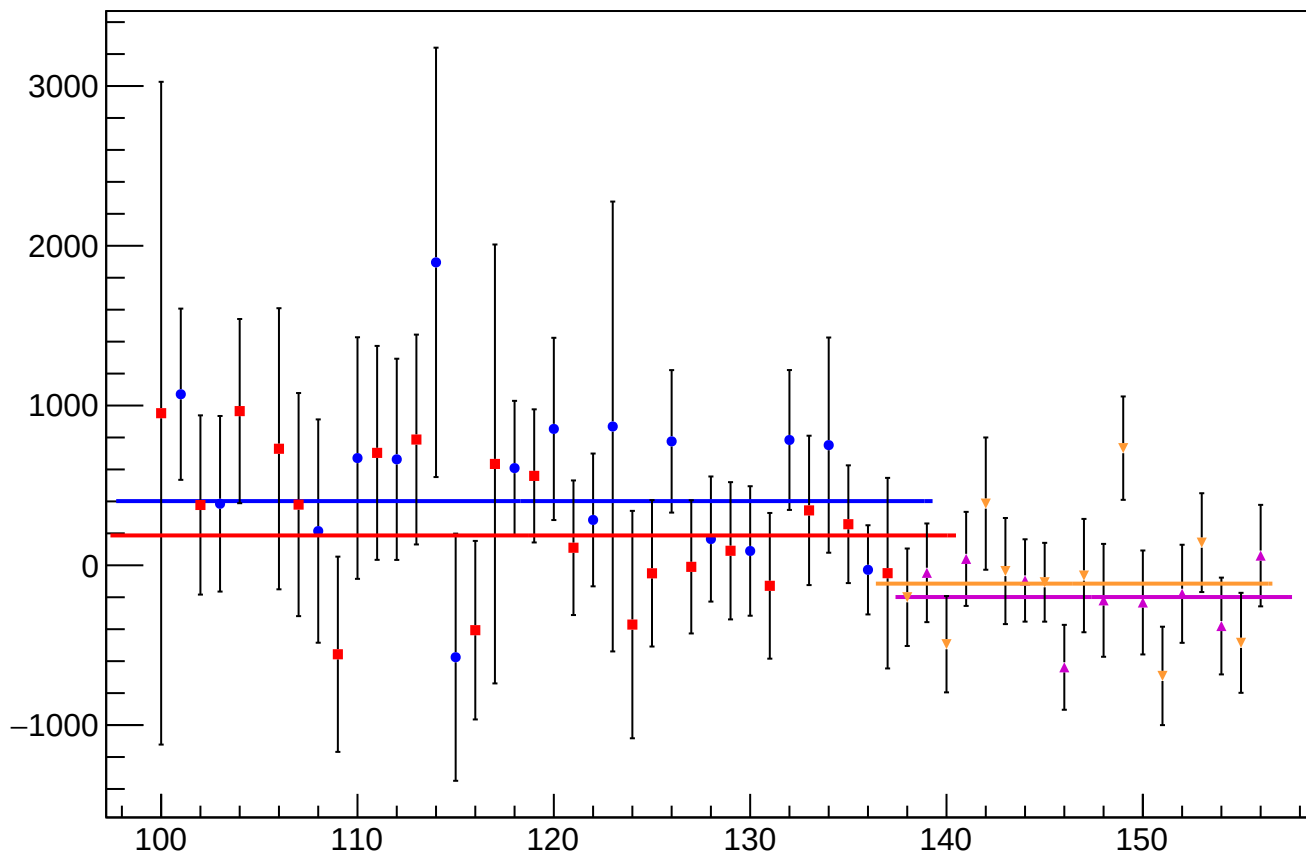
Left In: 341.022+/-0.091 χ^2/NDF : 457847.1/8

339.244+/-0.090 χ^2/NDF : 357654.4/9

340.125+/-0.064 χ^2/NDF : 815695.4/18

341.022+/-0.091 χ^2/NDF : 457847.1/8

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 401.871+/-121.048 χ^2/NDF : 10.9/16

Left Out: -114.727+/-99.116 χ^2/NDF : 15.7/9

Right Out: 186.914+/-119.879 χ^2/NDF : 9.4/19

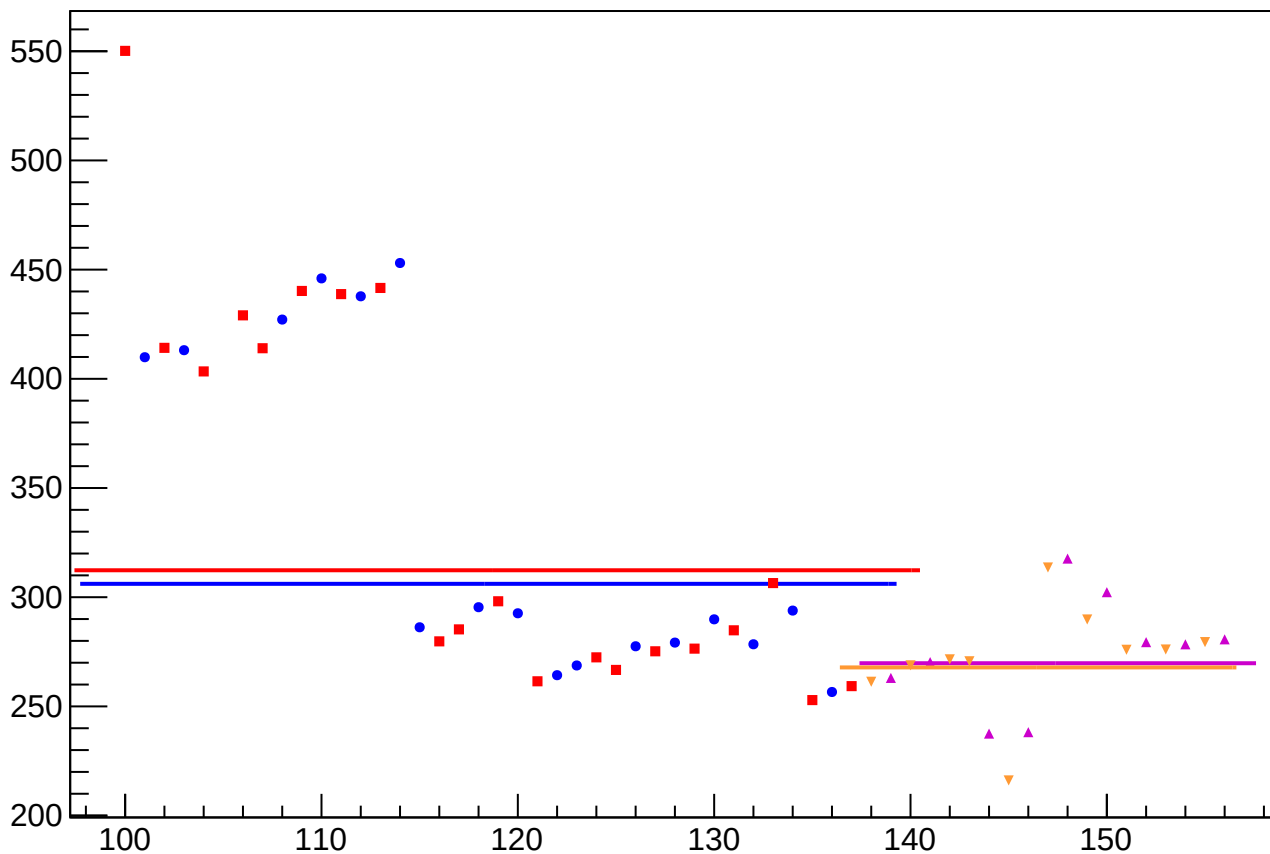
Left In: -198.614+/-99.939 χ^2/NDF : 4.8/8

92.616+/-76.687 χ^2/NDF : 37.5/26

26.105+/-54.253 χ^2/NDF : 59.4/55

-40.536+/-76.763 χ^2/NDF : 20.4/28

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 306.123+/-0.086 χ^2/NDF : 508435.8/16

Left Out: 267.845+/-0.070 χ^2/NDF : 137284.5/9

Right Out: 312.335+/-0.085 χ^2/NDF : 626552.3/19

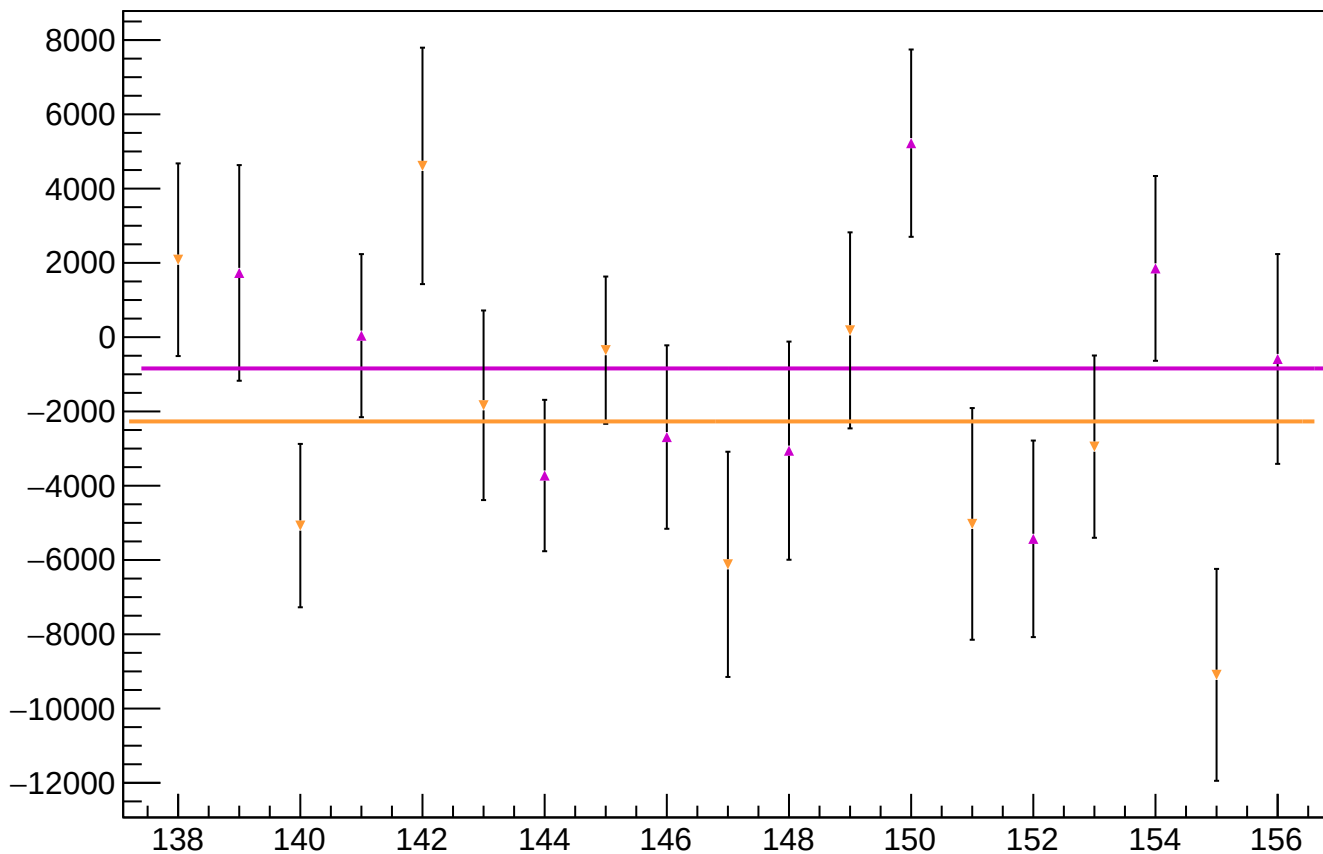
Left In: 269.766+/-0.071 χ^2/NDF : 123212.8/8

283.208+/-0.054 χ^2/NDF : 765448.4/26

285.212+/-0.038 χ^2/NDF : 1666732.1/55

287.220+/-0.054 χ^2/NDF : 898549.3/28

asym_sam2_correction_mean vs Slug, Sign Corrected



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

Left Out: -2268.983+/-814.896 χ^2/NDF : 19.1/9

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

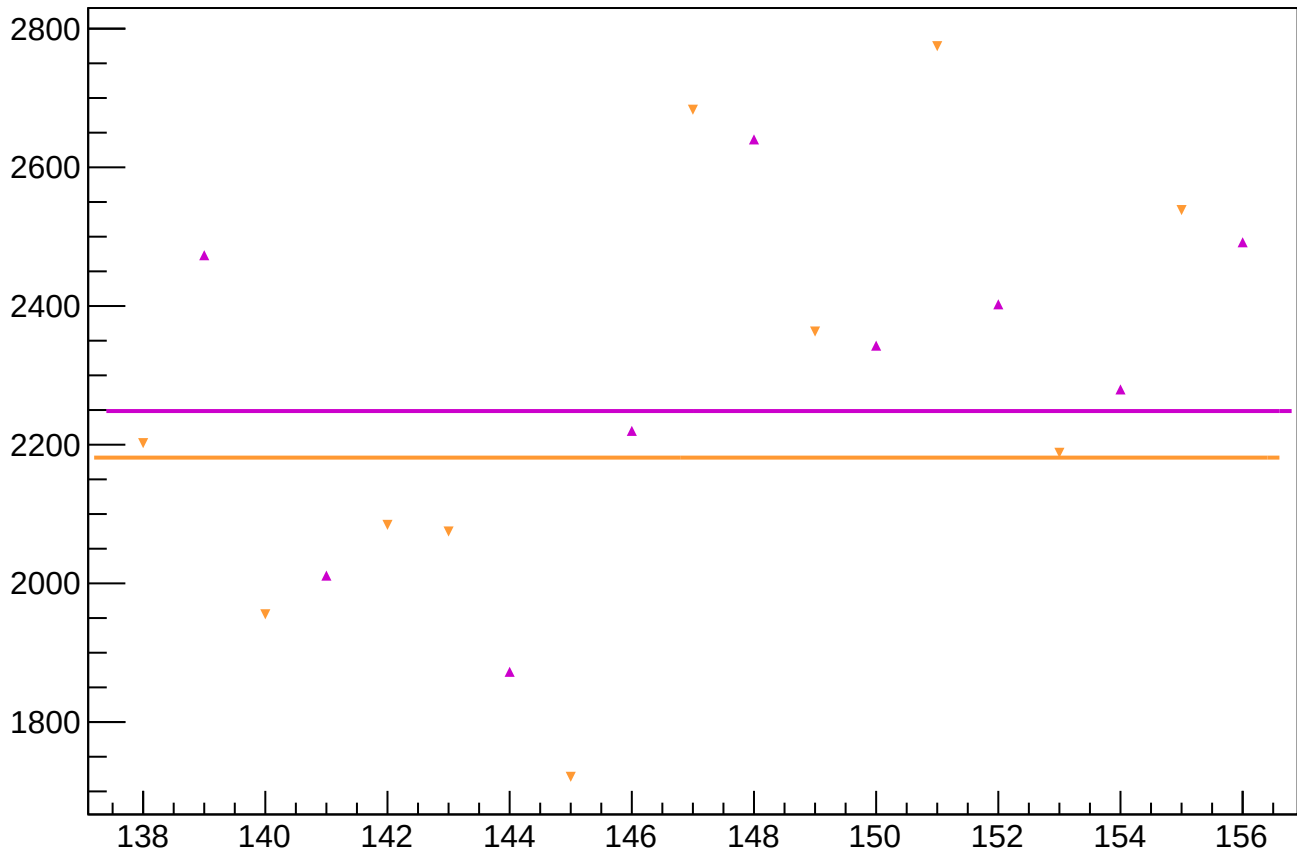
Left In: -842.216+/-835.190 χ^2/NDF : 14.0/8

-2268.983+/-814.896 χ^2/NDF : 19.1/9

-1573.144+/-583.261 χ^2/NDF : 34.7/18

-842.216+/-835.190 χ^2/NDF : 14.0/8

asym_sam2_correction_rms vs Slug, Sign Corrected



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

Left Out: 2181.380+/-0.576 χ^2/NDF : 302337.7/9

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

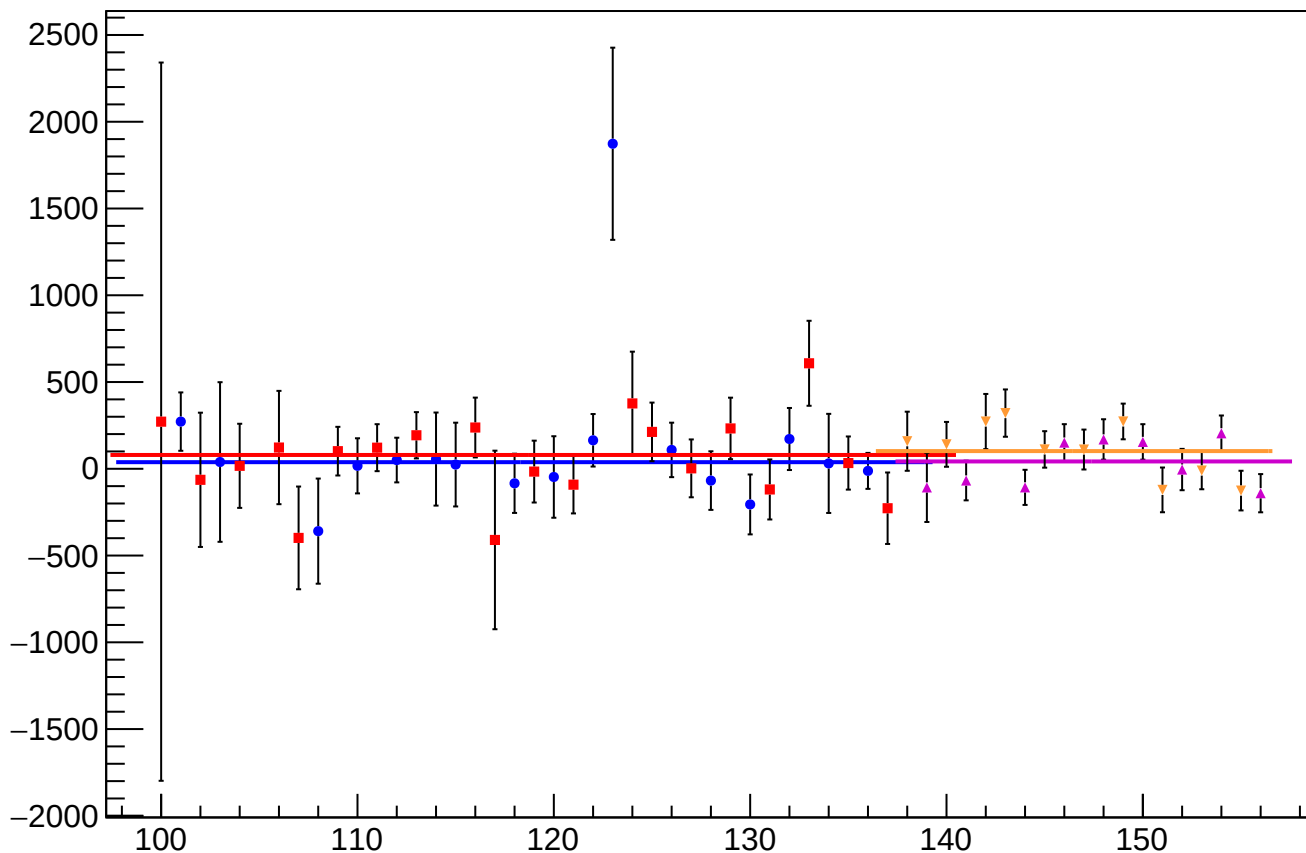
Left In: 2248.526+/-0.591 χ^2/NDF : 164035.7/8

2181.380+/-0.576 χ^2/NDF : 302337.7/9

2214.127+/-0.412 χ^2/NDF : 472996.0/18

2248.526+/-0.591 χ^2/NDF : 164035.7/8

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 38.126+/-43.548 χ^2/NDF : 19.4/16

Left Out: 101.973+/-38.602 χ^2/NDF : 14.8/9

Right Out: 79.665+/-42.948 χ^2/NDF : 17.6/19

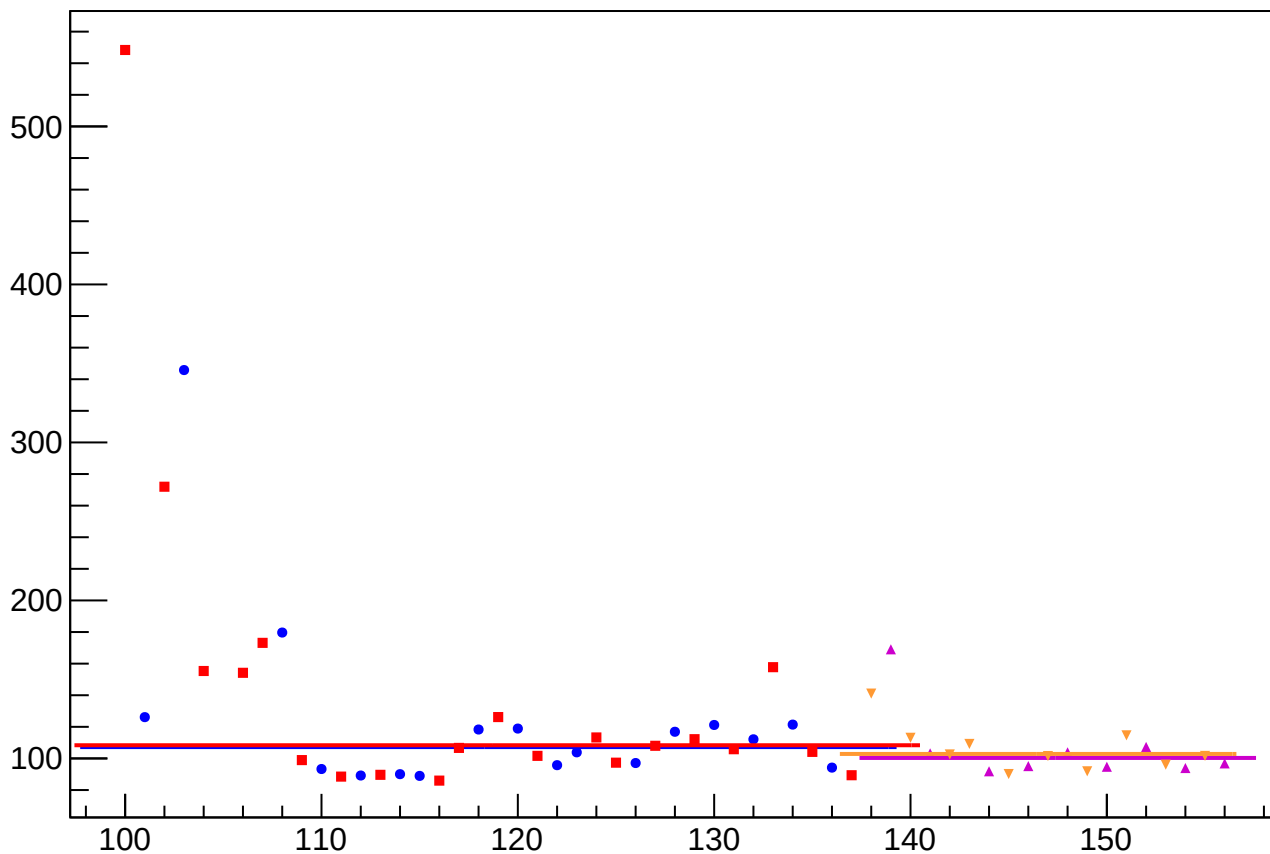
Left In: 42.296+/-37.649 χ^2/NDF : 12.5/8

73.880+/-28.887 χ^2/NDF : 35.3/26

66.053+/-20.219 χ^2/NDF : 66.1/55

58.534+/-28.311 χ^2/NDF : 30.6/28

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 107.189 ± 0.031 $\chi^2/\text{NDF}: 843115.1/16$

Left Out: 102.842 ± 0.027 $\chi^2/\text{NDF}: 194637.2/9$

Right Out: 108.347 ± 0.030 $\chi^2/\text{NDF}: 917309.2/19$

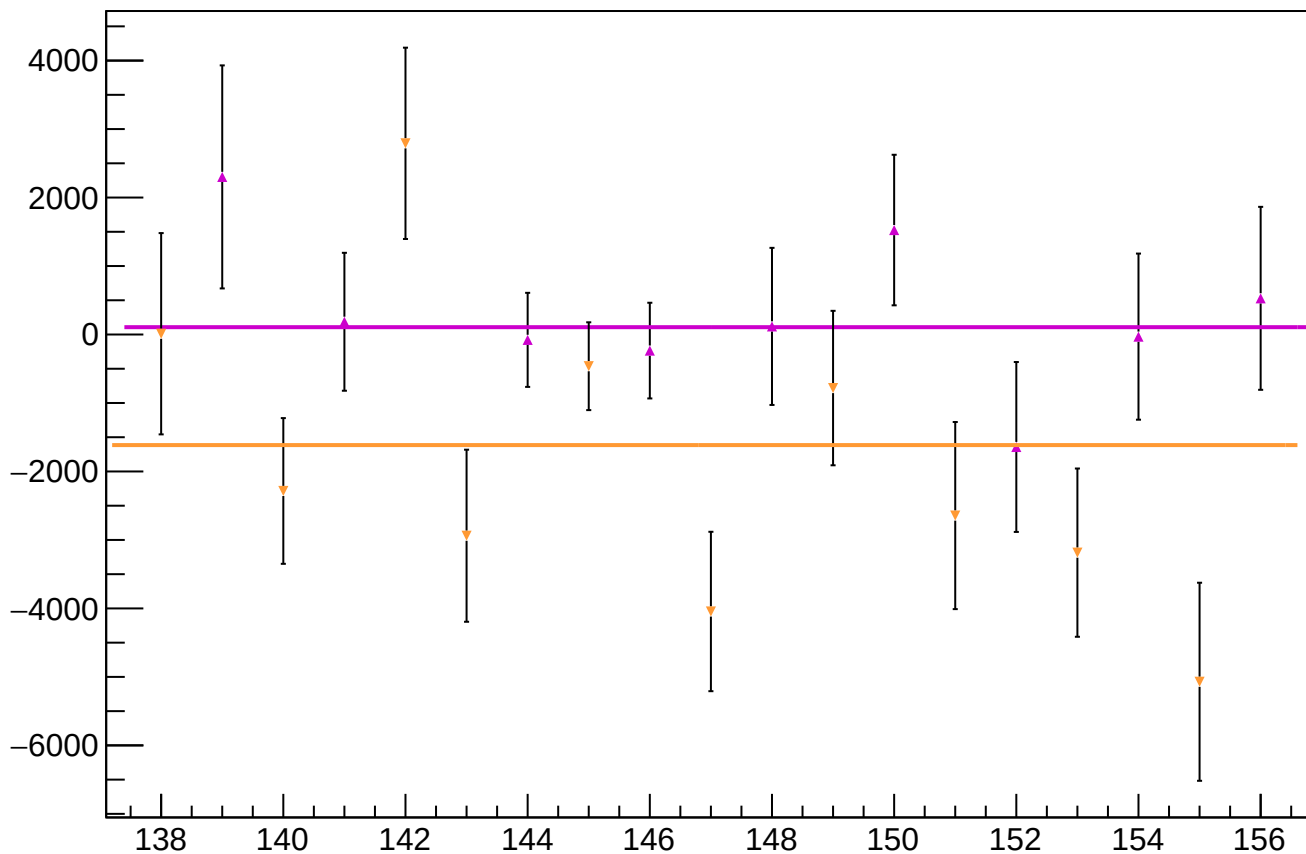
Left In: 100.313 ± 0.027 $\chi^2/\text{NDF}: 282436.4/8$

104.755 ± 0.020 $\chi^2/\text{NDF}: 1048911.2/26$

104.270 ± 0.014 $\chi^2/\text{NDF}: 2289331.7/55$

103.804 ± 0.020 $\chi^2/\text{NDF}: 1239316.2/28$

asym_sam3_correction_mean vs Slug, Sign Corrected



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

Left Out: -1614.850+/-350.809 χ^2/NDF : 28.7/9

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

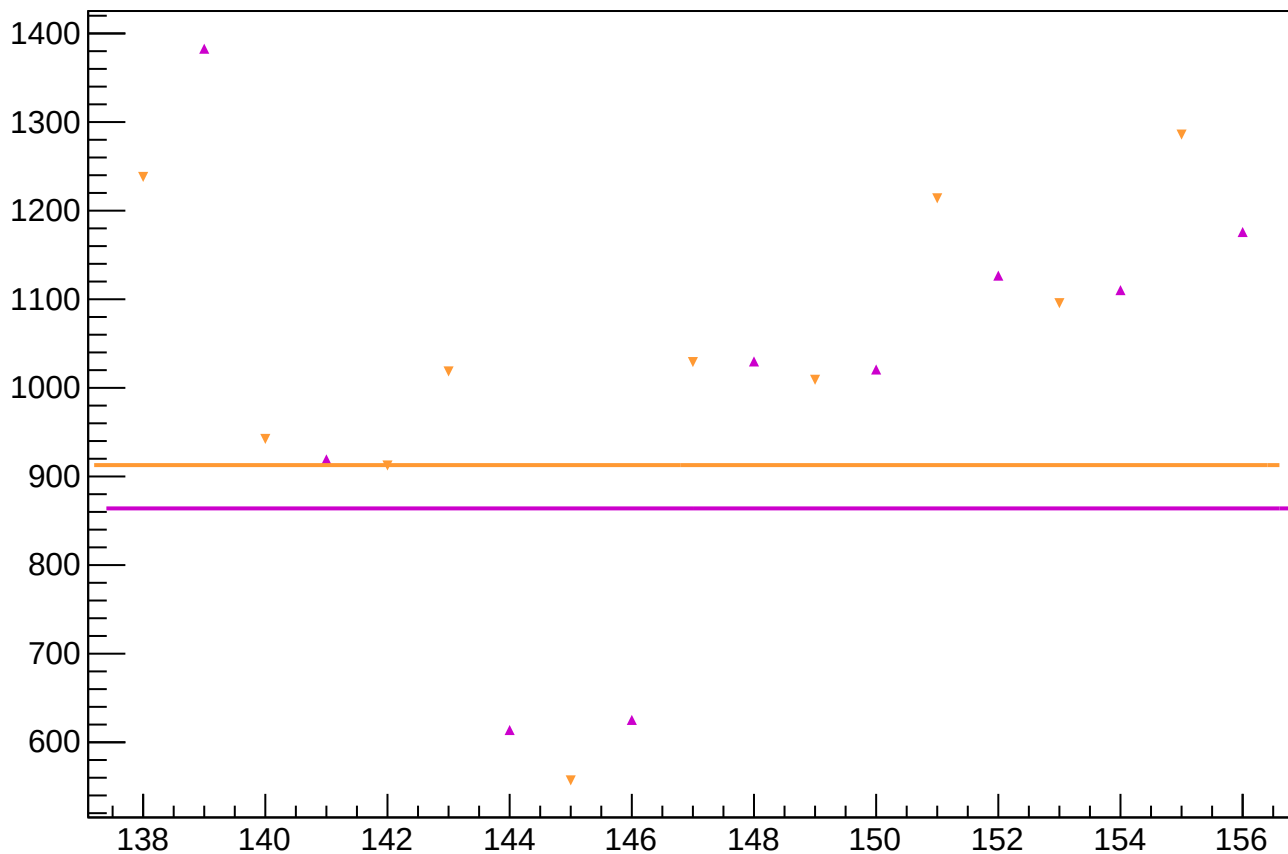
Left In: 107.006+/-333.176 χ^2/NDF : 5.9/8

-1614.850+/-350.809 χ^2/NDF : 28.7/9

-709.565+/-241.584 χ^2/NDF : 47.3/18

107.006+/-333.176 χ^2/NDF : 5.9/8

asym_sam3_correction_rms vs Slug, Sign Corrected



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

Left Out: 912.832+/-0.248 χ^2/NDF :1038695.4/9

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

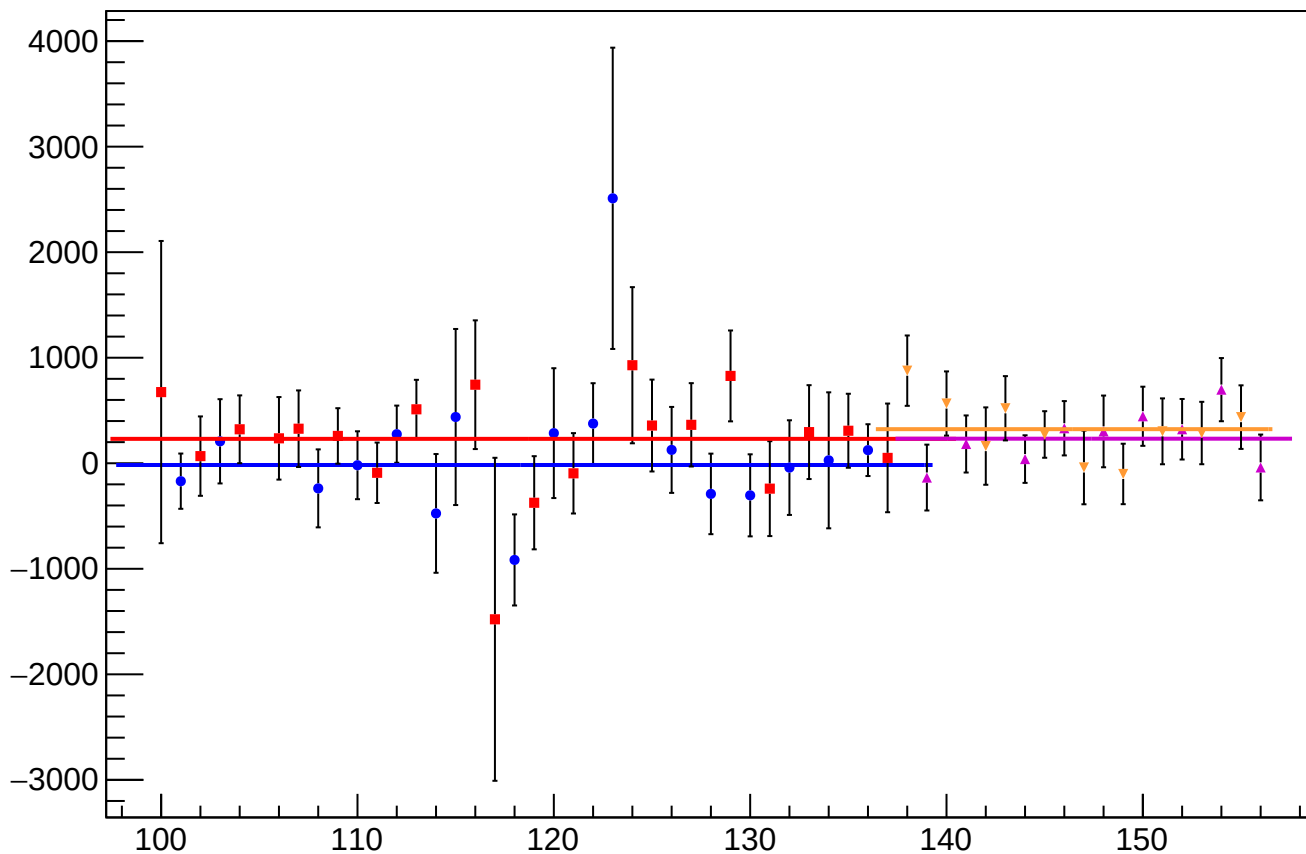
Left In: 863.960+/-0.236 χ^2/NDF :1071423.7/8

912.832+/-0.248 χ^2/NDF : 1038695.4/9

887.137+/-0.171 χ^2/NDF : 2130526.7/18

863.960+/-0.236 χ^2/NDF : 1071423.7/8

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

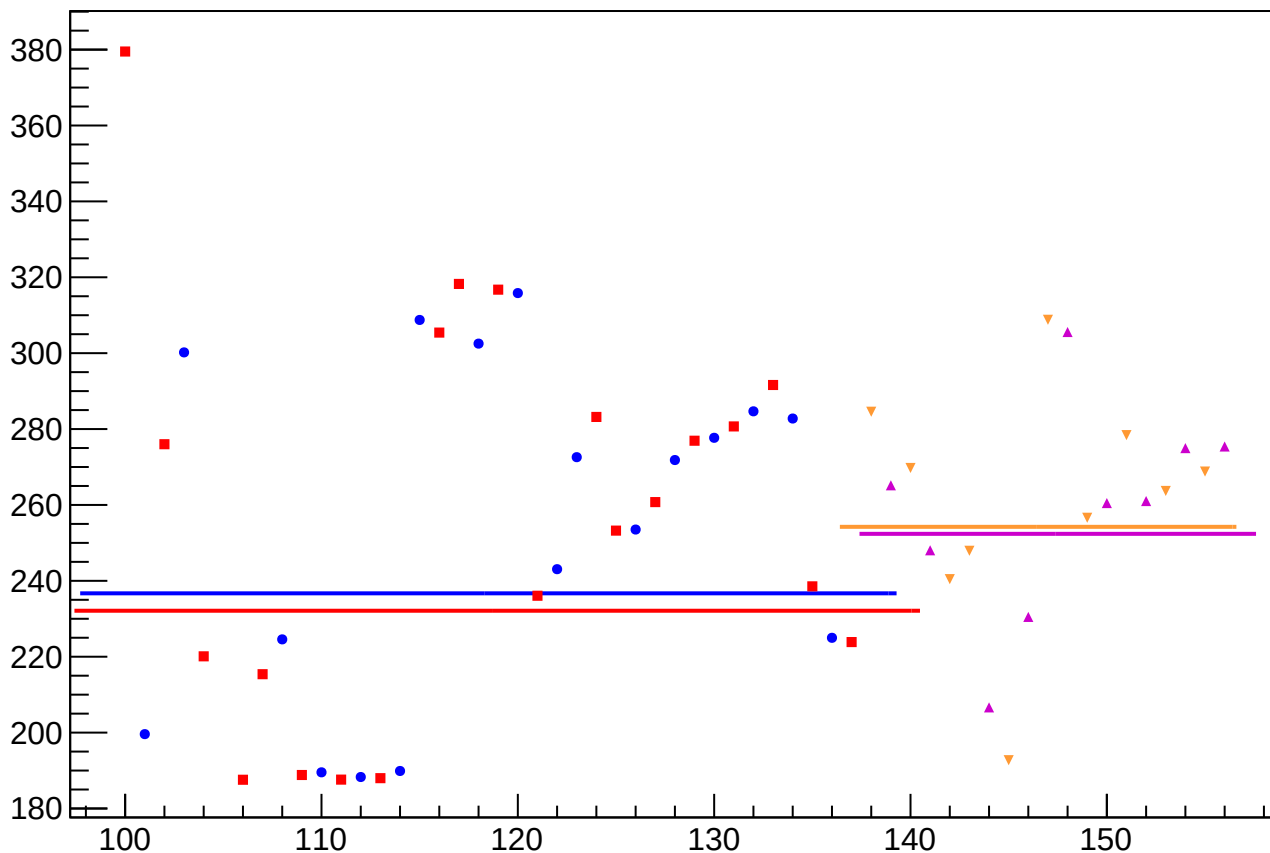
Left In: 232.746 ± 93.771 χ^2/NDF : 6.2/8

150.893 ± 66.428 χ^2/NDF : 27.5/26

192.625 ± 46.265 χ^2/NDF : 46.0/55

231.935 ± 64.472 χ^2/NDF : 17.8/28

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 236.706+/-0.066 χ^2/NDF : 390344.9/16

Left Out: 254.233+/-0.067 χ^2/NDF : 248649.0/9

Right Out: 232.119+/-0.063 χ^2/NDF : 449633.1/19

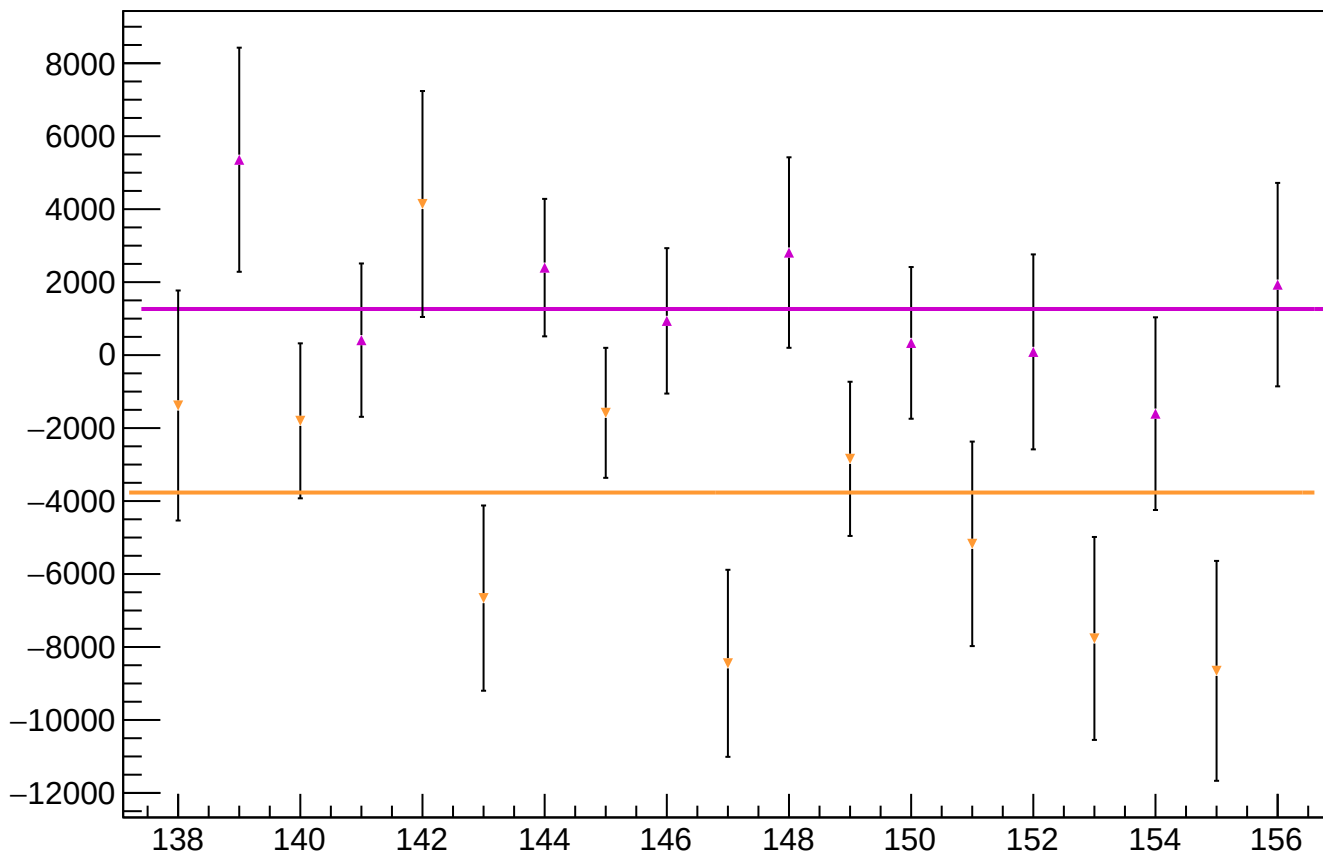
Left In: 252.384+/-0.066 χ^2/NDF : 175443.5/8

245.345+/-0.047 χ^2/NDF : 673794.3/26

243.468+/-0.033 χ^2/NDF : 1351226.0/55

241.699+/-0.046 χ^2/NDF : 674328.3/28

asym_sam4_correction_mean vs Slug, Sign Corrected



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

Left Out: -3766.645+/-780.929 χ^2/NDF : 19.2/9

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

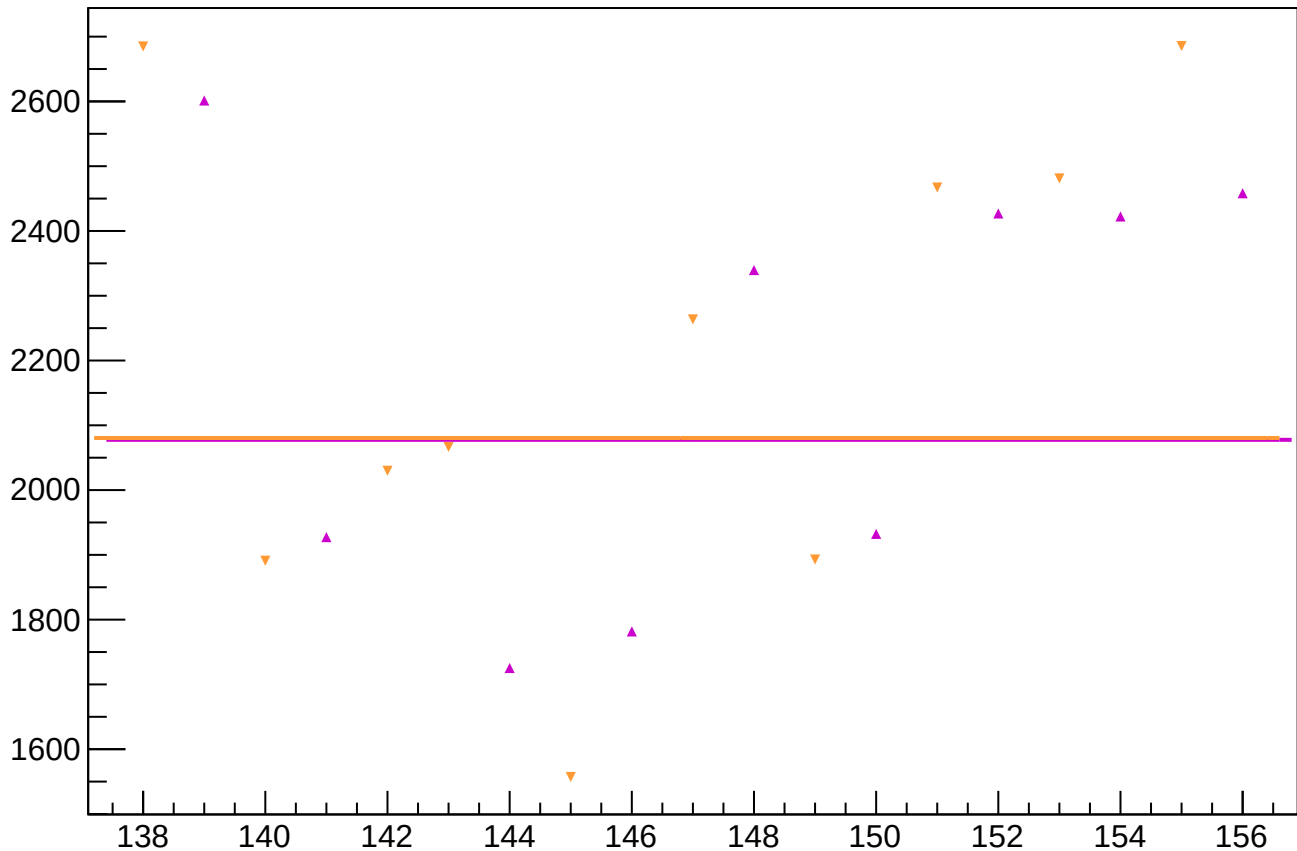
Left In: 1263.924+/-777.038 χ^2/NDF : 4.3/8

-3766.645+/-780.929 χ^2/NDF : 19.2/9

-1238.798+/-550.819 χ^2/NDF : 44.4/18

1263.924+/-777.038 χ^2/NDF : 4.3/8

asym_sam4_correction_rms vs Slug, Sign Corrected



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

Left Out: 2080.447+/-0.552 χ^2/NDF : 448772.9/9

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

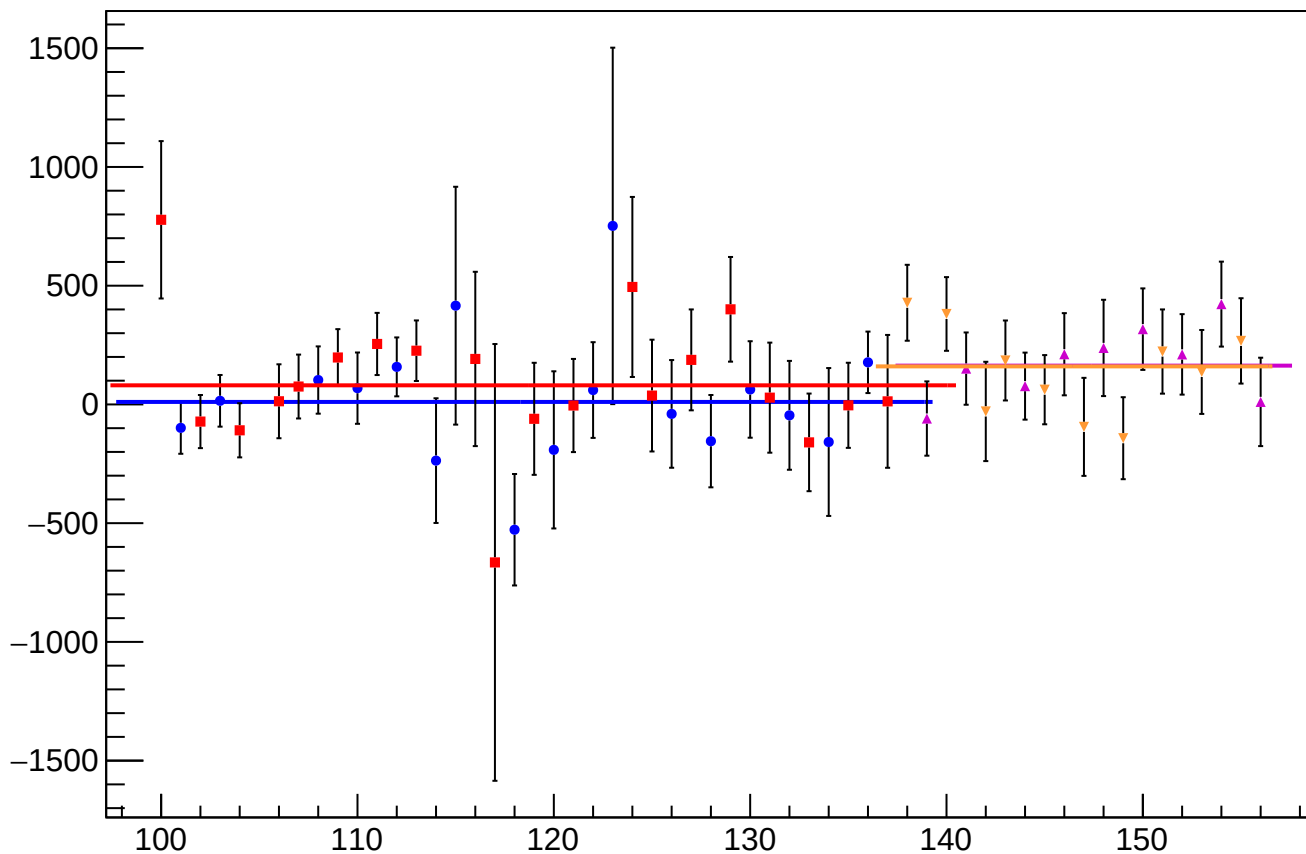
Left In: 2077.602+/-0.549 χ^2/NDF : 317878.0/8

2080.447+/-0.552 χ^2/NDF : 448772.9/9

2079.017+/-0.389 χ^2/NDF : 766664.2/18

2077.602+/-0.549 χ^2/NDF : 317878.0/8

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 10.530 $\pm$ 42.294 χ^2 /NDF: 14.1/16

Left Out: 160.216 $\pm$ 54.414 χ^2 /NDF: 11.2/9

Right Out: 80.462 $\pm$ 38.950 χ^2 /NDF: 19.9/19

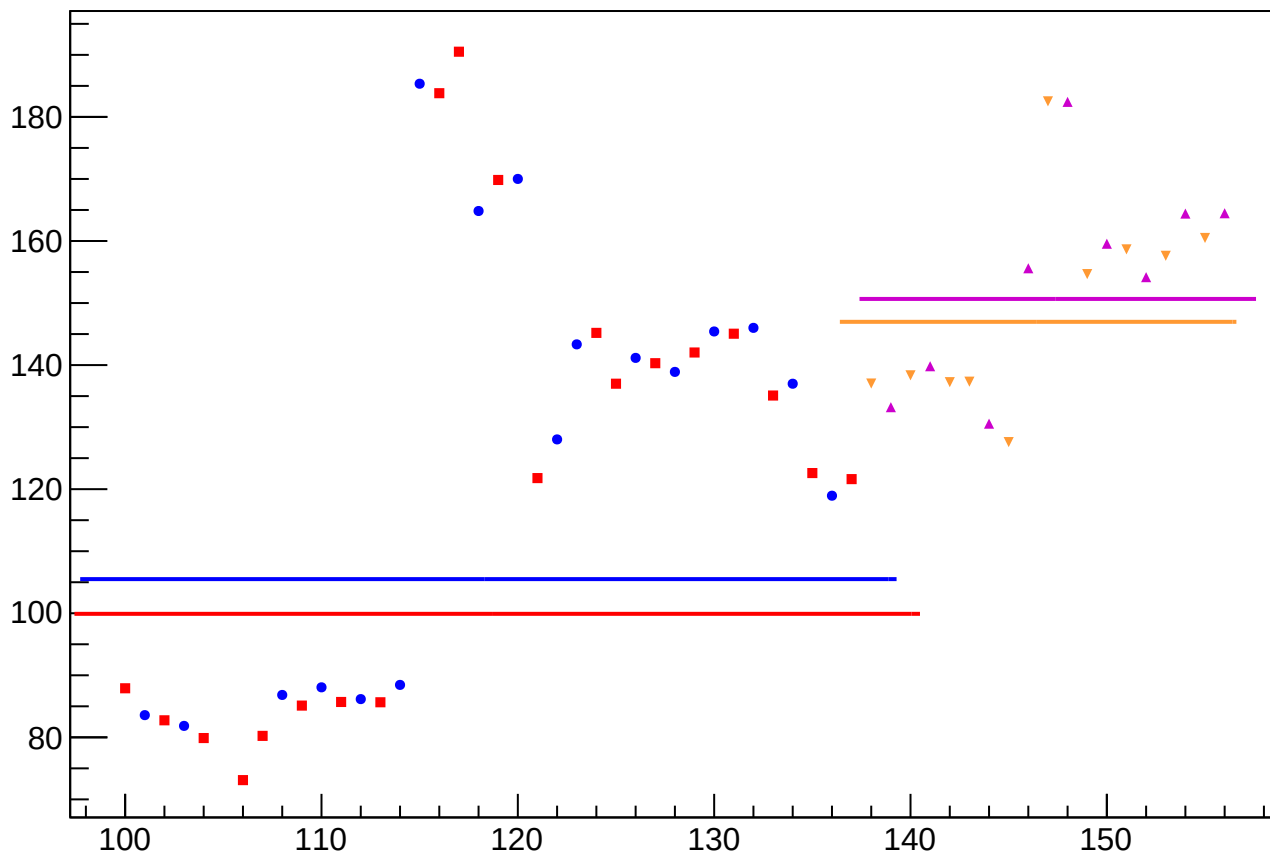
Left In: 163.349 $\pm$ 55.825 χ^2 /NDF: 6.3/8

66.905 $\pm$ 33.393 χ^2 /NDF: 30.0/26

88.155 $\pm$ 23.083 χ^2 /NDF: 58.4/55

107.600 $\pm$ 31.943 χ^2 /NDF: 27.6/28

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 105.503+/-0.030 χ^2/NDF : 869022.6/16

Left Out: 146.973+/-0.038 χ^2/NDF : 150719.3/9

Right Out: 99.907+/-0.028 χ^2/NDF : 1019545.3/19

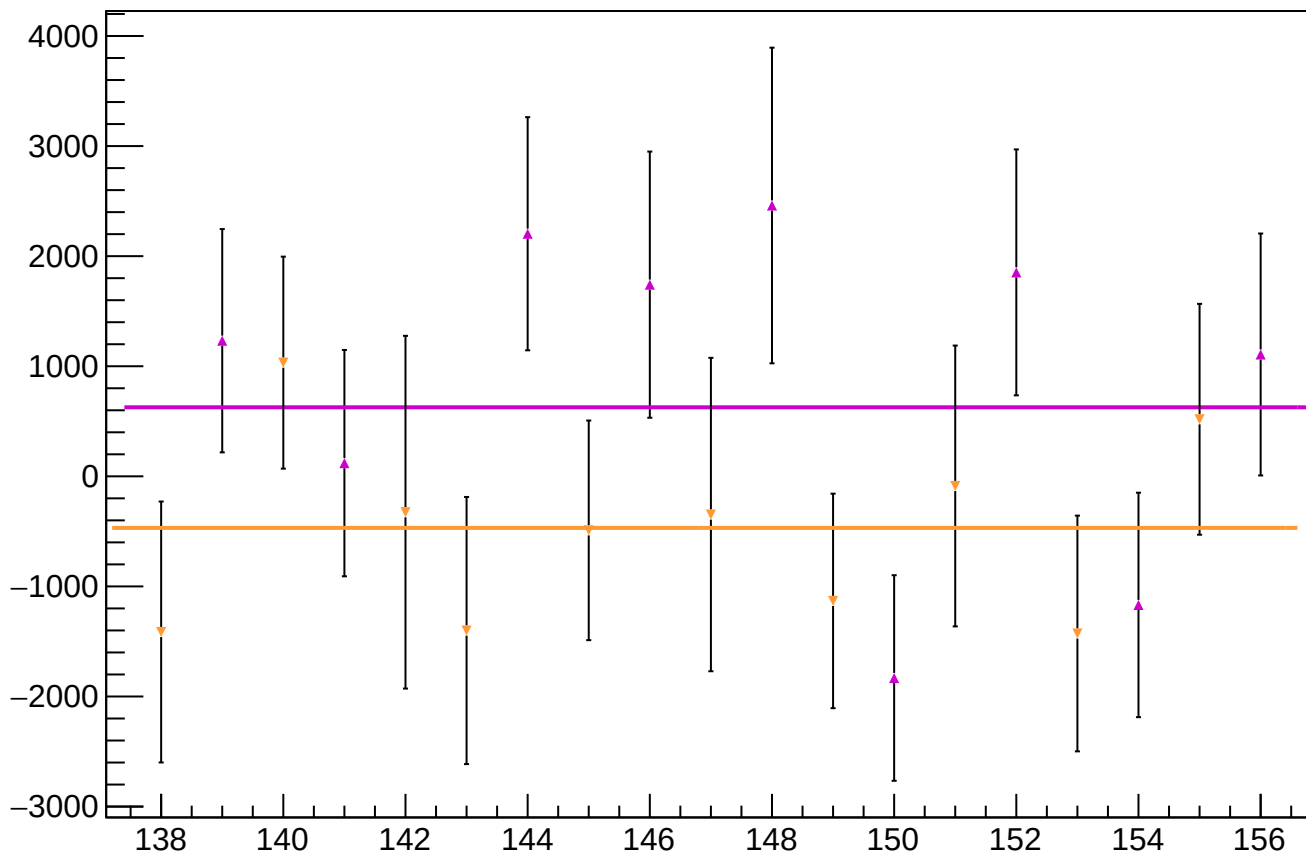
Left In: 150.663+/-0.039 χ^2/NDF : 155406.6/8

121.121+/-0.024 χ^2/NDF : 1743915.1/26

118.721+/-0.016 χ^2/NDF : 4050616.9/55

116.525+/-0.023 χ^2/NDF : 2286919.0/28

asym_sam5_correction_mean vs Slug, Sign Corrected



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

Left Out: -468.281+/-357.882 χ^2/NDF : 5.9/9

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

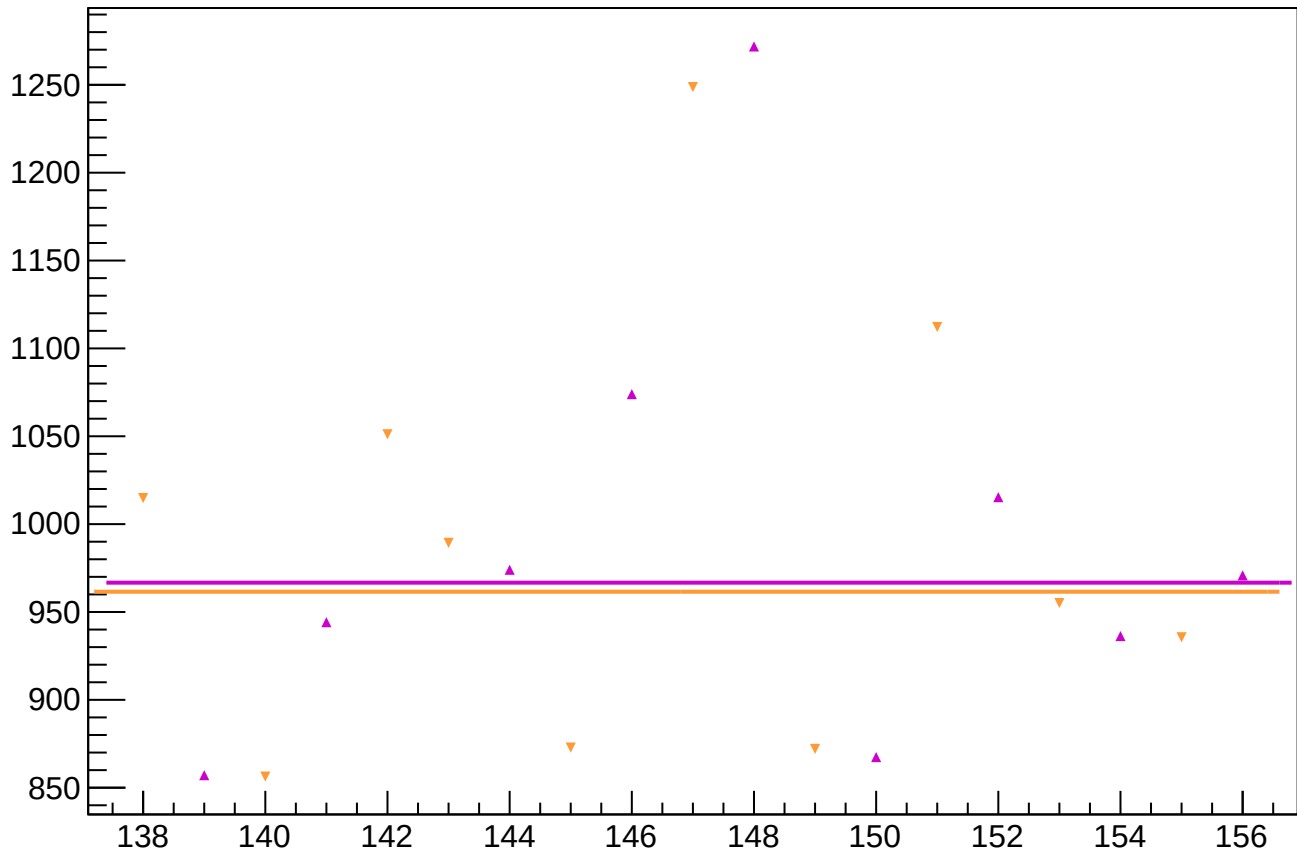
Left In: 627.070+/-359.928 χ^2/NDF : 16.7/8

-468.281+/-357.882 χ^2/NDF : 5.9/9

76.271+/-253.781 χ^2/NDF : 27.3/18

627.070+/-359.928 χ^2/NDF : 16.7/8

asym_sam5_correction_rms vs Slug, Sign Corrected



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

Left Out: 961.536+/-0.253 χ^2/NDF :178502.0/9

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

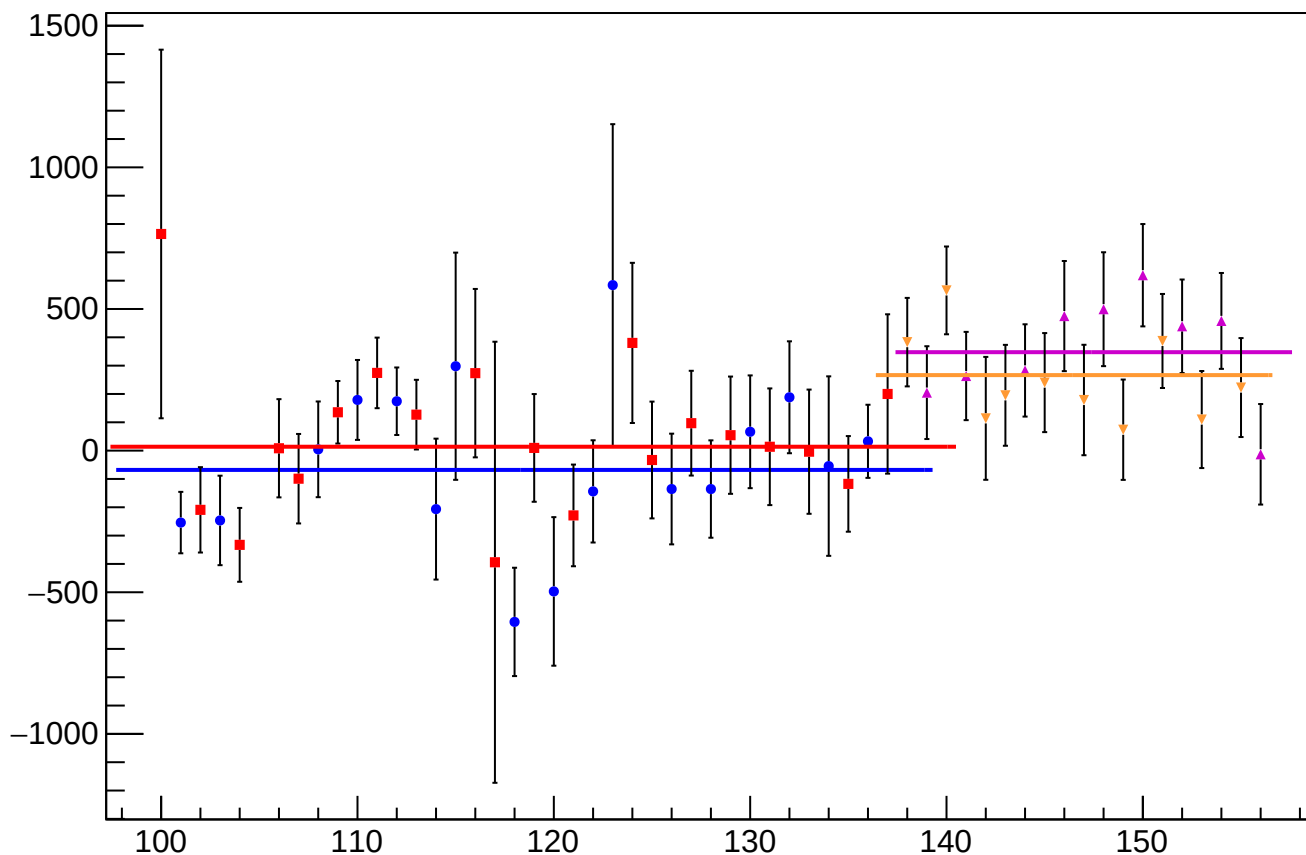
Left In: 966.692+/-0.255 χ^2/NDF :158952.9/8

961.536+/-0.253 χ^2/NDF : 178502.0/9

964.100+/-0.179 χ^2/NDF : 337661.3/18

966.692+/-0.255 χ^2/NDF : 158952.9/8

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -68.111 $\pm$ 42.265 χ^2/NDF : 27.8/16

Left Out: 266.563 $\pm$ 55.092 χ^2/NDF : 7.8/9

Right Out: 13.752 $\pm$ 39.416 χ^2/NDF : 23.4/19

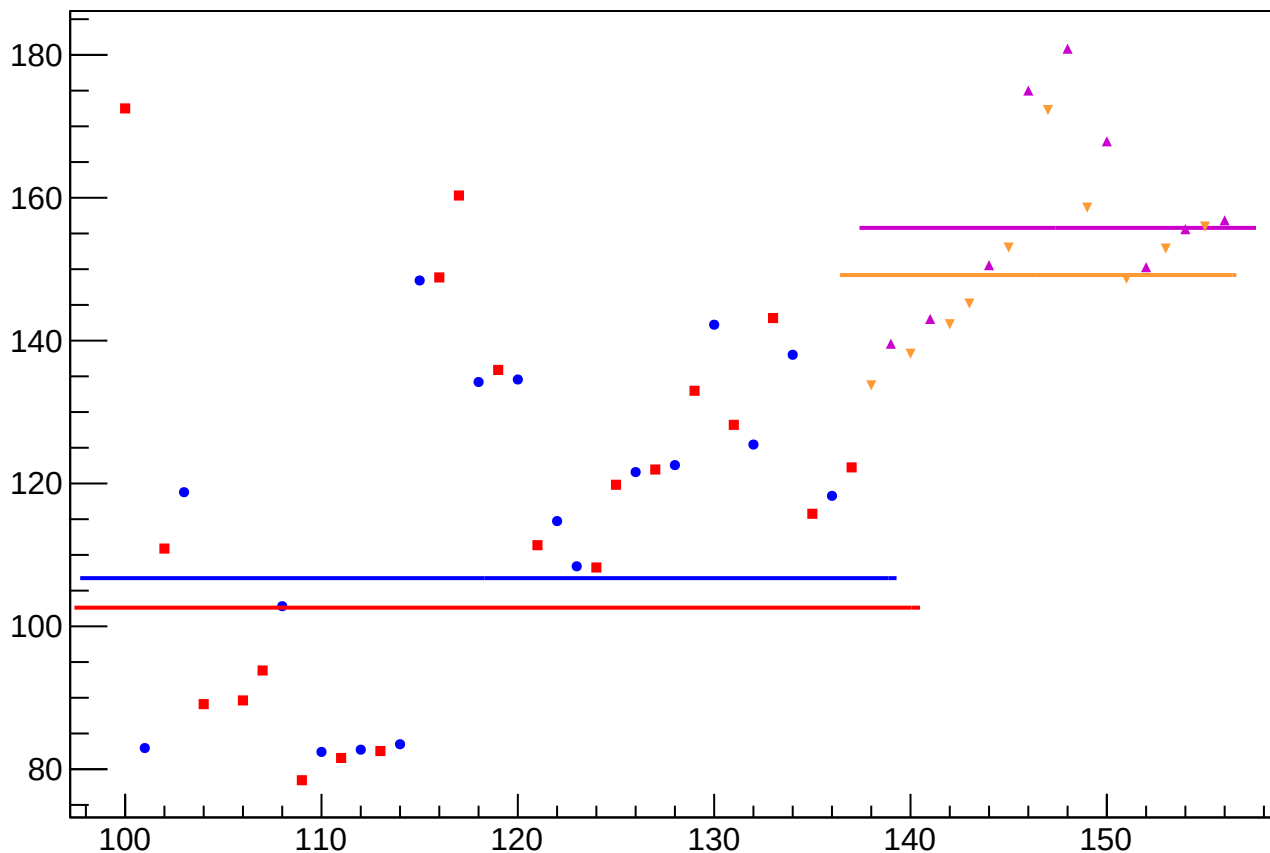
Left In: 347.509 $\pm$ 57.608 χ^2/NDF : 9.3/8

55.885 $\pm$ 33.534 χ^2/NDF : 58.8/26

89.007 $\pm$ 23.349 χ^2/NDF : 116.3/55

120.177 $\pm$ 32.530 χ^2/NDF : 55.6/28

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 106.749±/-0.030 χ^2 /NDF: 501742.8/16

Left Out: 149.183±/-0.039 χ^2 /NDF: 71399.5/9

Right Out: 102.615±/-0.028 χ^2 /NDF: 600357.6/19

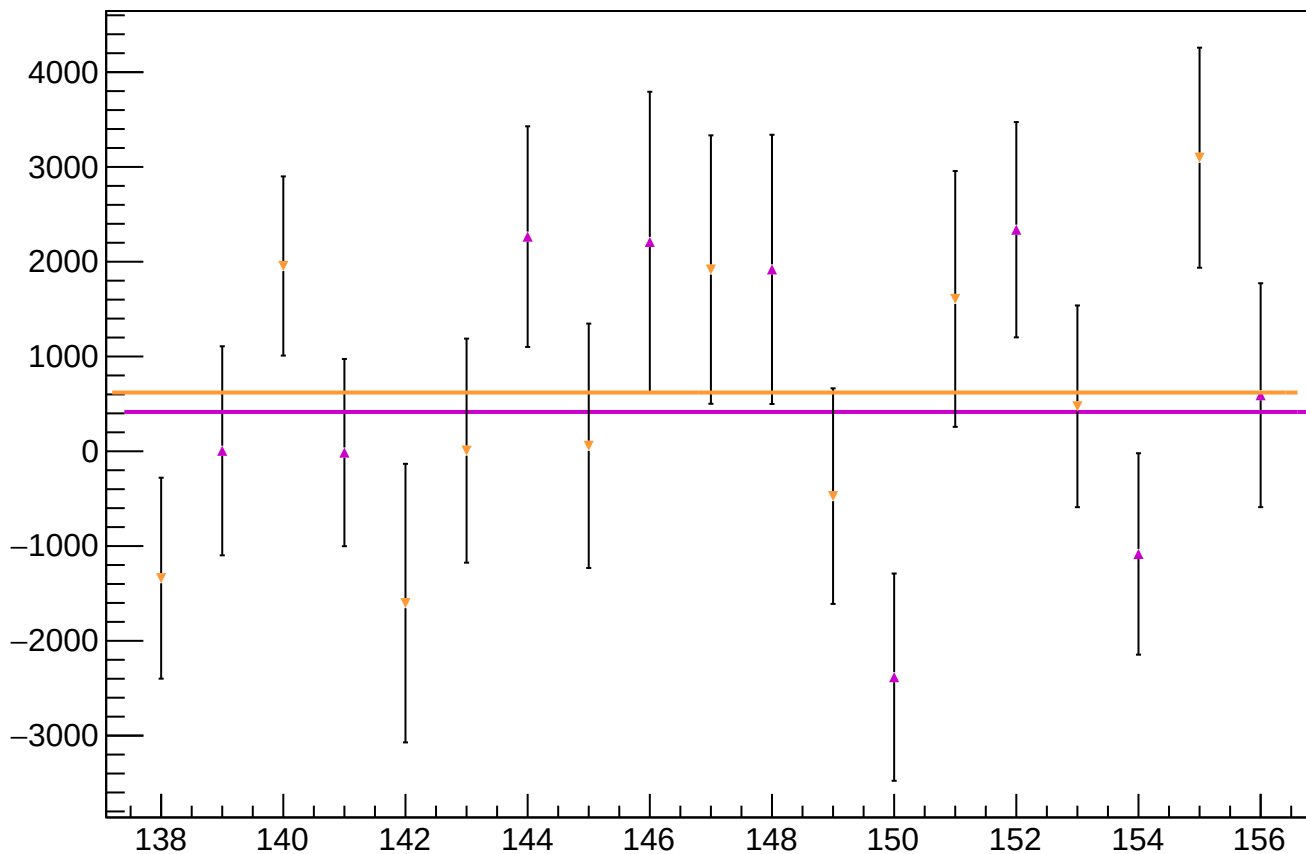
Left In: 155.786±/-0.041 χ^2 /NDF: 97037.7/8

122.471±/-0.024 χ^2 /NDF: 1320059.2/26

120.977±/-0.017 χ^2 /NDF: 3185683.1/55

119.570±/-0.023 χ^2 /NDF: 1857911.8/28

asym_sam6_correction_mean vs Slug, Sign Corrected



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

Left Out: 619.784+/-371.786 χ^2/NDF : 15.0/9

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

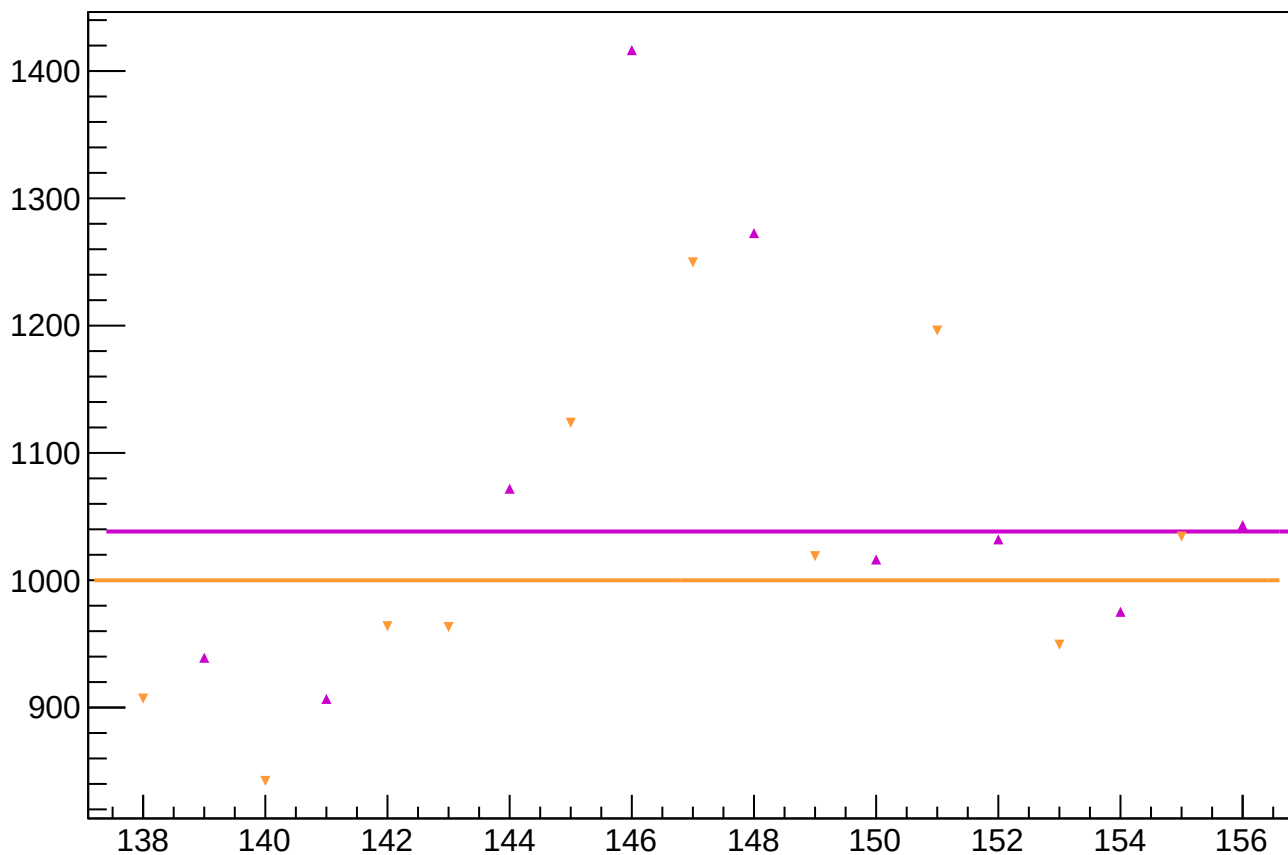
Left In: 414.844+/-386.536 χ^2/NDF : 16.7/8

619.784+/-371.786 χ^2/NDF : 15.0/9

521.299+/-267.955 χ^2/NDF : 31.9/18

414.844+/-386.536 χ^2/NDF : 16.7/8

asym_sam6_correction_rms vs Slug, Sign Corrected



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

Left Out: 999.974+/-0.263 χ^2/NDF : 203807.4/9

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

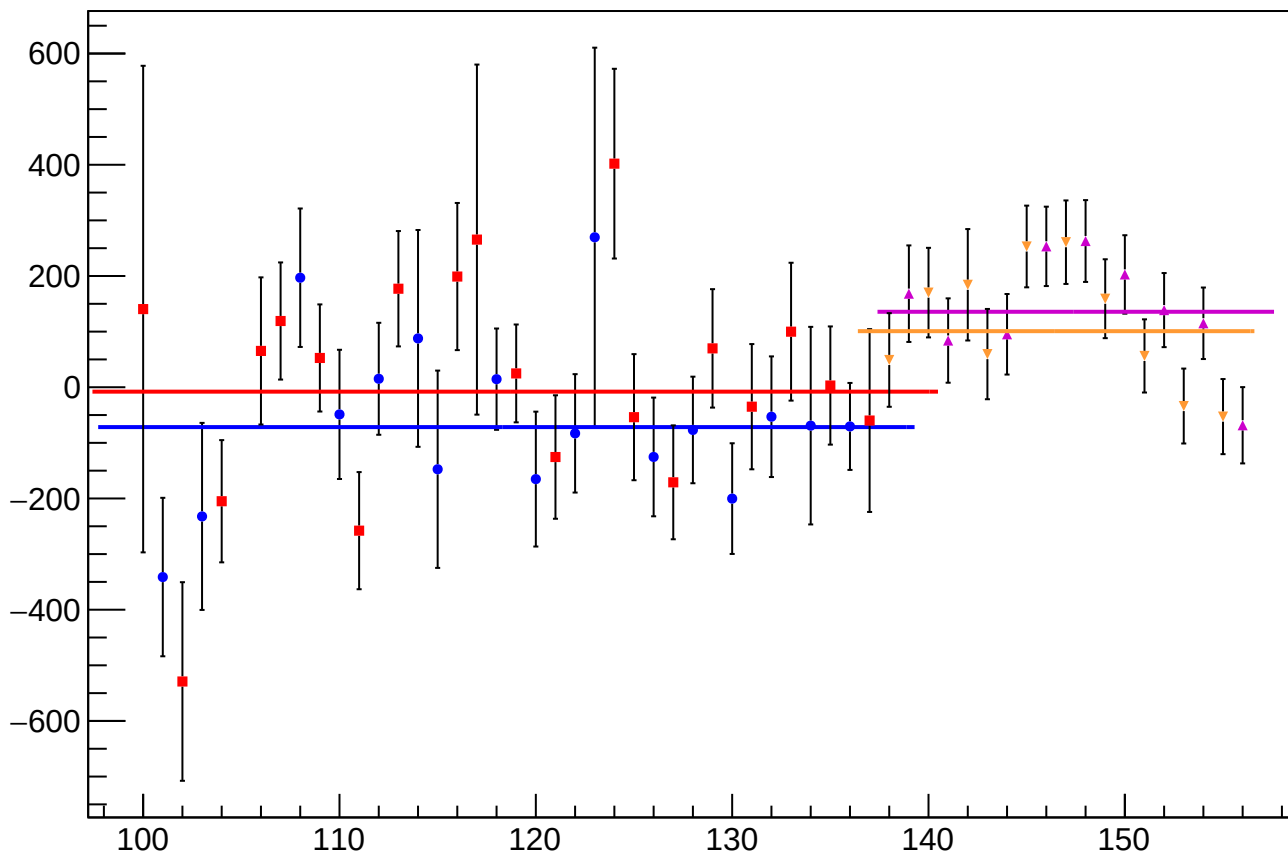
Left In: 1038.279+/-0.273 χ^2/NDF : 229639.9/8

999.974+/-0.263 χ^2/NDF : 203807.4/9

1018.382+/-0.189 χ^2/NDF : 443649.6/18

1038.279+/-0.273 χ^2/NDF : 229639.9/8

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -71.669 ± 28.358 $\chi^2/\text{NDF}: 15.2/16$

Left Out: 100.808 ± 23.709 $\chi^2/\text{NDF}: 21.2/9$

Right Out: -7.933 ± 26.719 $\chi^2/\text{NDF}: 37.2/19$

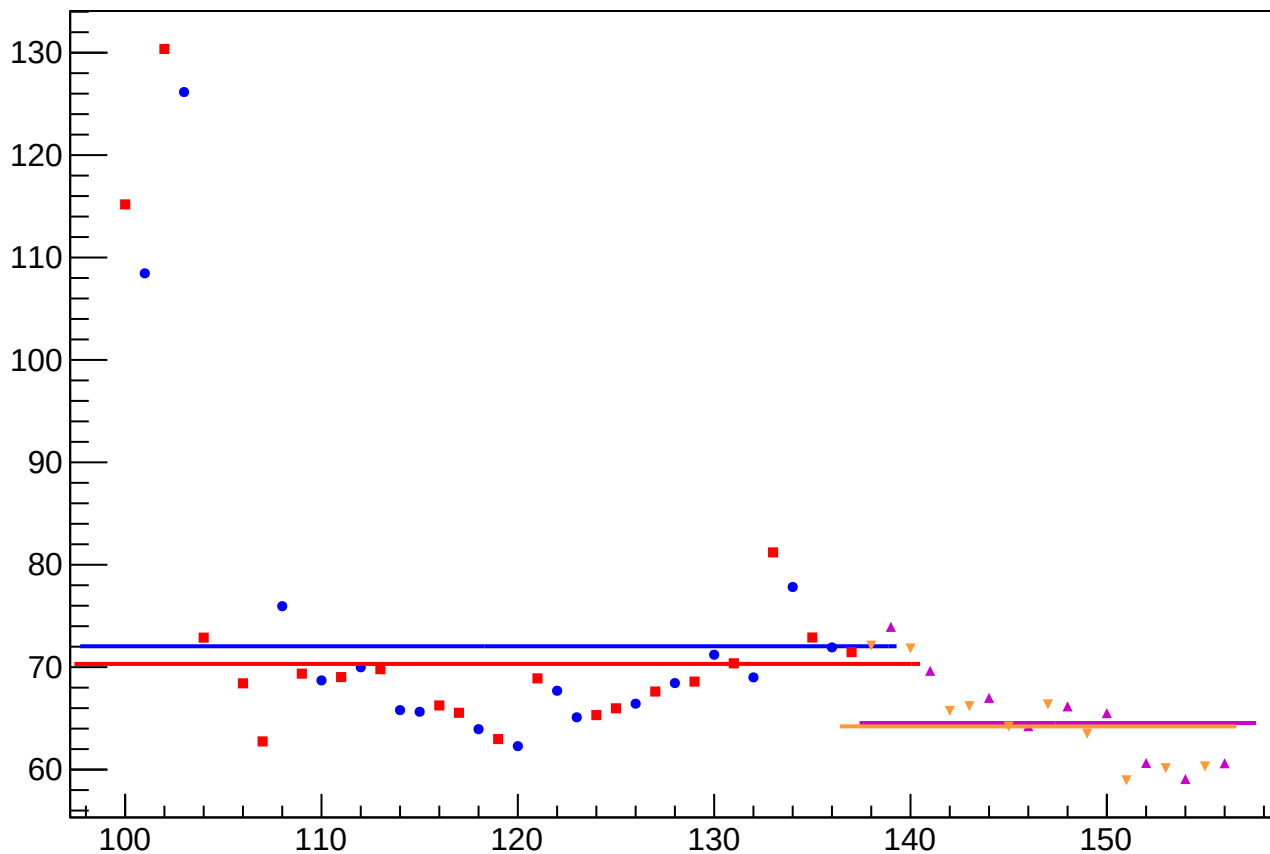
Left In: 135.681 ± 23.839 $\chi^2/\text{NDF}: 16.5/8$

29.850 ± 18.189 $\chi^2/\text{NDF}: 58.2/26$

51.410 ± 12.718 $\chi^2/\text{NDF}: 130.8/55$

72.029 ± 17.788 $\chi^2/\text{NDF}: 69.8/28$

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 72.042 ± 0.020 $\chi^2/\text{NDF}: 391971.7/16$

Left Out: 64.217 ± 0.017 $\chi^2/\text{NDF}: 65786.4/9$

Right Out: 70.316 ± 0.019 $\chi^2/\text{NDF}: 299468.0/19$

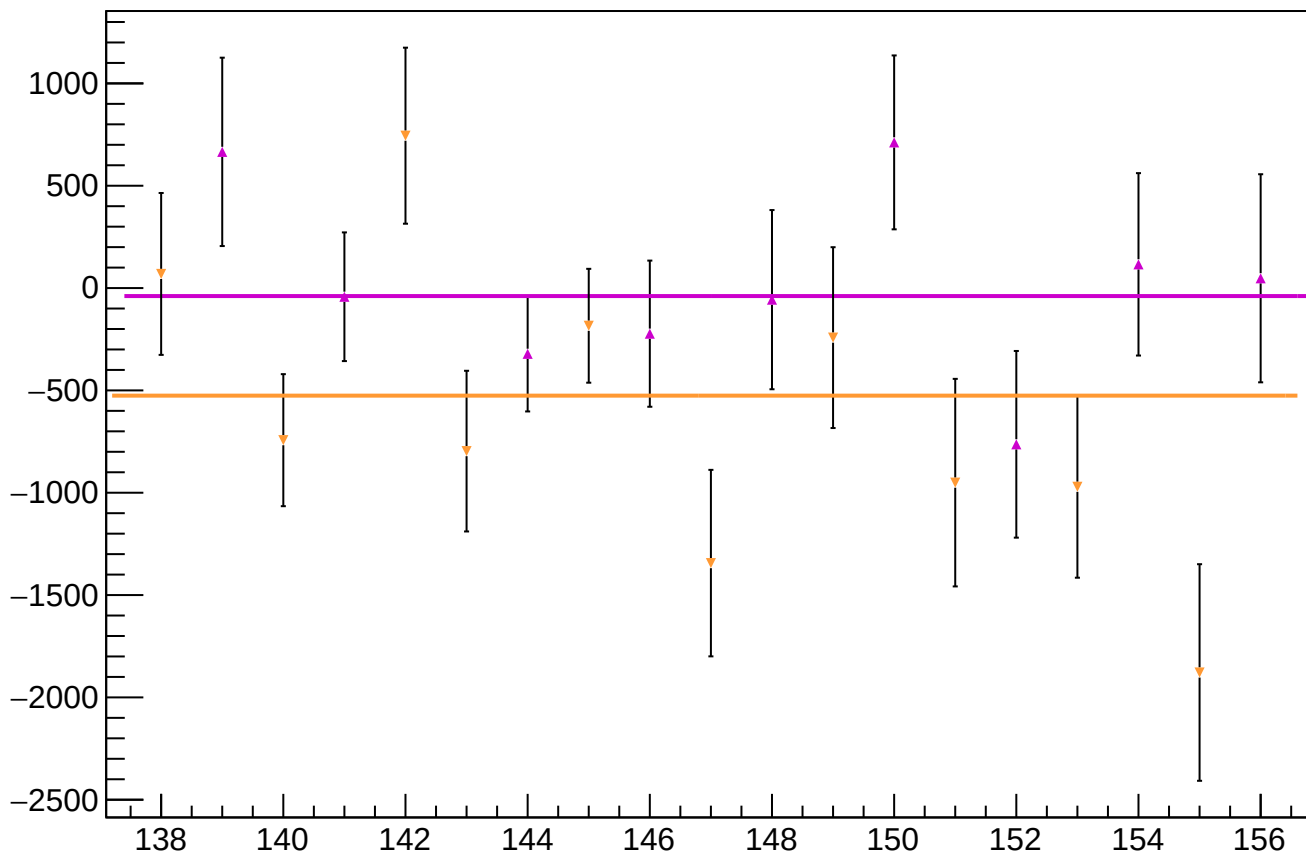
Left In: 64.547 ± 0.017 $\chi^2/\text{NDF}: 64042.7/8$

67.436 ± 0.013 $\chi^2/\text{NDF}: 547407.3/26$

67.266 ± 0.009 $\chi^2/\text{NDF}: 963183.8/55$

67.104 ± 0.013 $\chi^2/\text{NDF}: 415435.3/28$

asym_sam7_correction_mean vs Slug, Sign Corrected



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

Left Out: -525.609+/-125.697 χ^2/NDF : 25.3/9

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

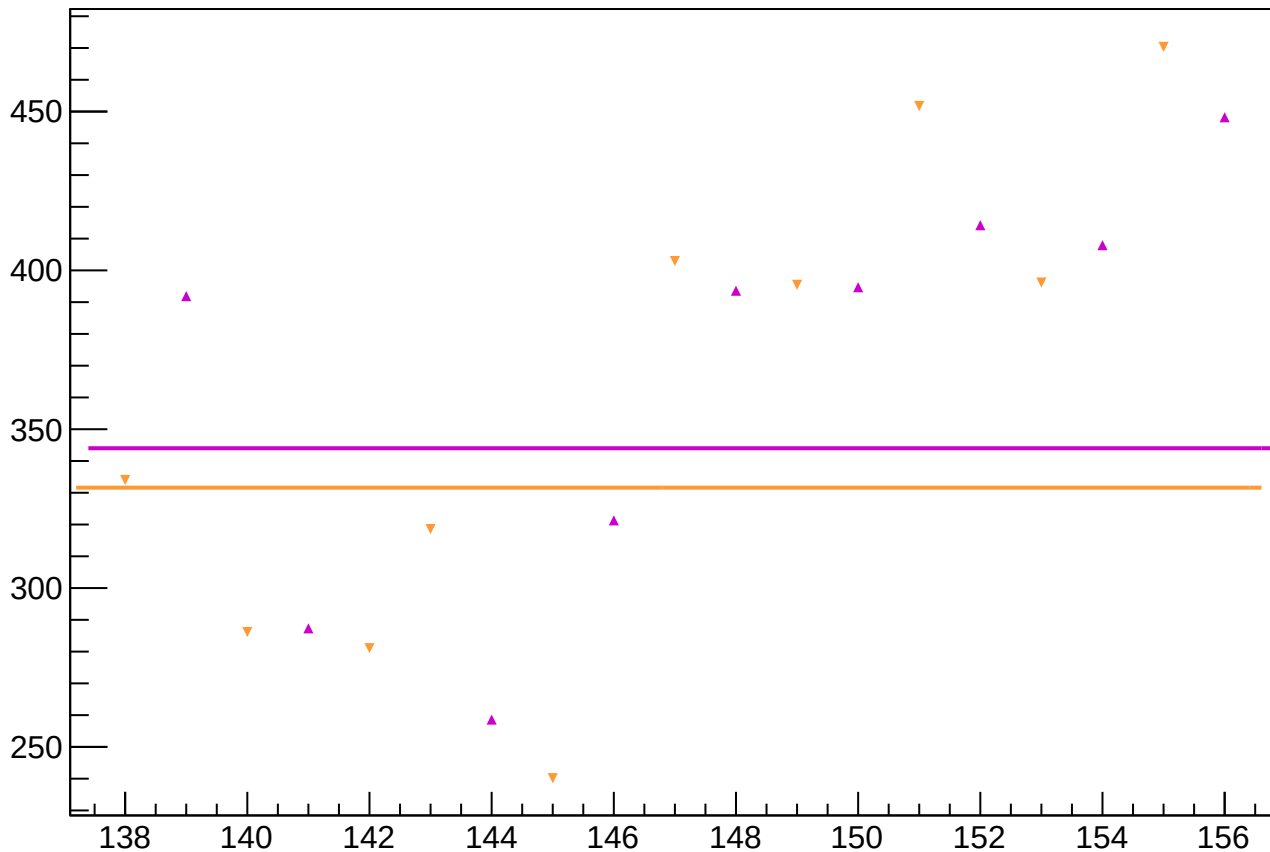
Left In: -39.093+/-129.363 χ^2/NDF : 9.4/8

-525.609+/-125.697 χ^2/NDF : 25.3/9

-289.341+/-90.150 χ^2/NDF : 42.0/18

-39.093+/-129.363 χ^2/NDF : 9.4/8

asym_sam7_correction_rms vs Slug, Sign Corrected



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

Left Out: 331.607+/-0.089 χ^2/NDF : 668589.8/9

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

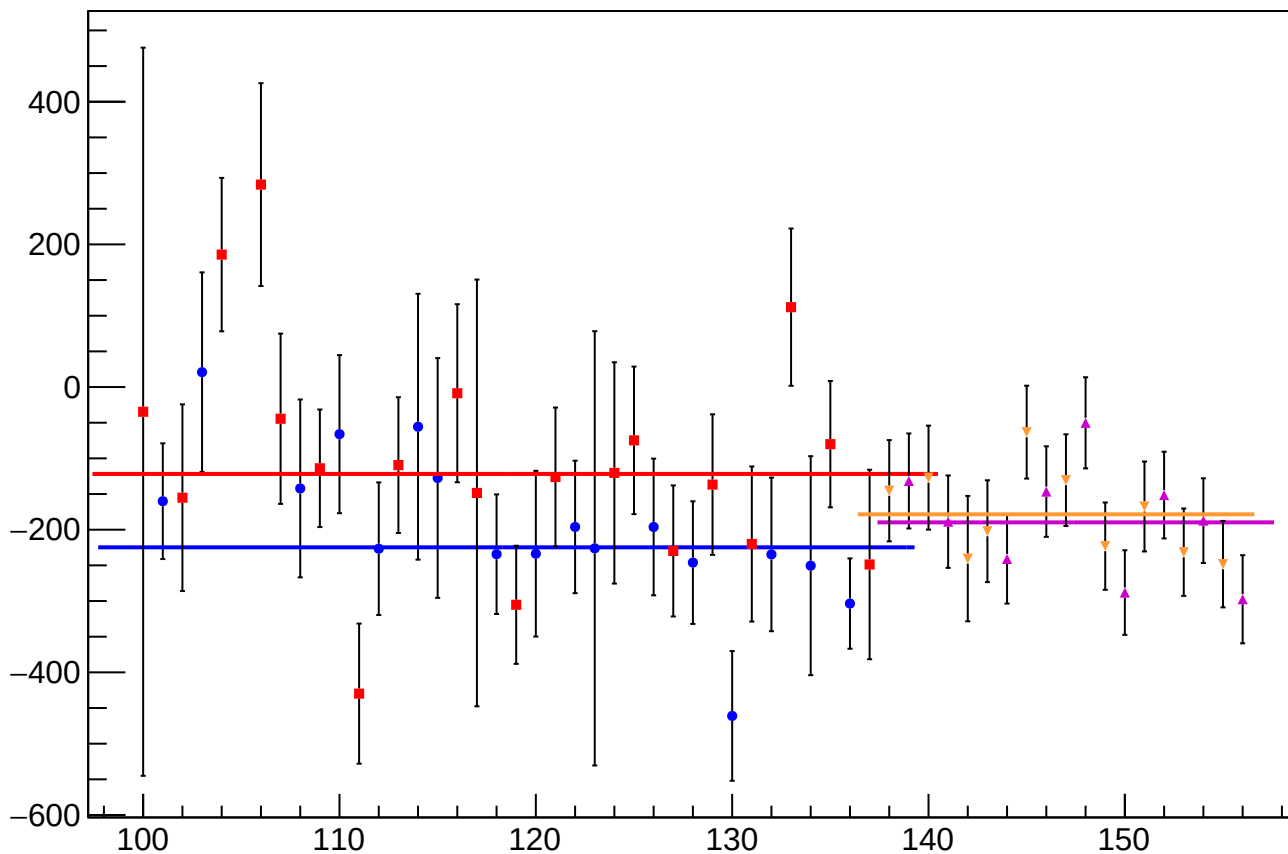
Left In: 344.018+/-0.091 χ^2/NDF : 505330.7/8

331.607+/-0.089 χ^2/NDF : 668589.8/9

337.634+/-0.064 χ^2/NDF : 1183390.8/18

344.018+/-0.091 χ^2/NDF : 505330.7/8

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -224.727 ± 24.880 χ^2/NDF : 16.0/16

Left Out: -178.425 ± 21.094 χ^2/NDF : 7.7/9

Right Out: -121.814 ± 24.516 χ^2/NDF : 40.5/19

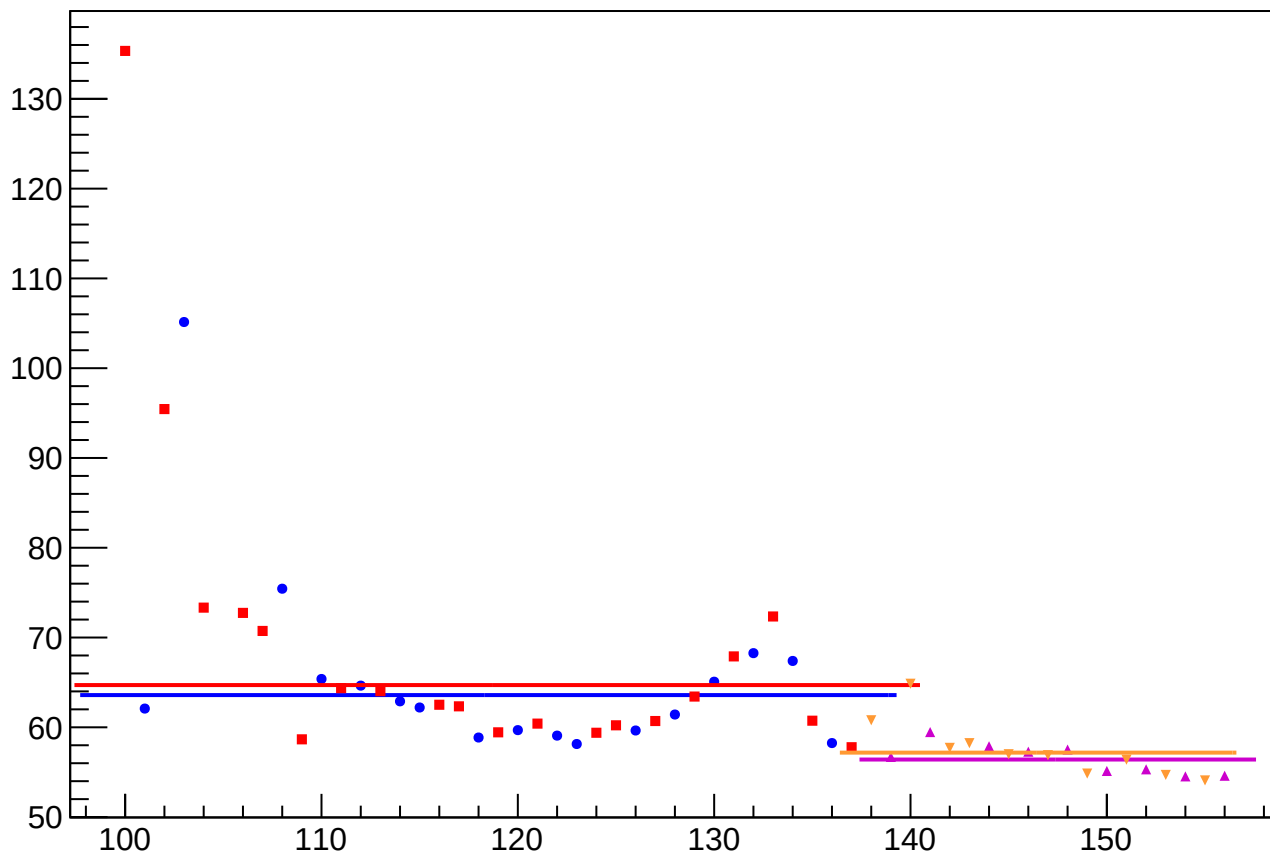
Left In: -189.736 ± 20.791 χ^2/NDF : 12.9/8

-197.789 ± 16.090 χ^2/NDF : 25.6/26

-179.289 ± 11.294 χ^2/NDF : 86.1/55

-161.322 ± 15.857 χ^2/NDF : 57.8/28

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 63.589 ± 0.018 χ^2/NDF : 234601.0/16

Left Out: 57.180 ± 0.015 χ^2/NDF : 39603.8/9

Right Out: 64.704 ± 0.017 χ^2/NDF : 227632.6/19

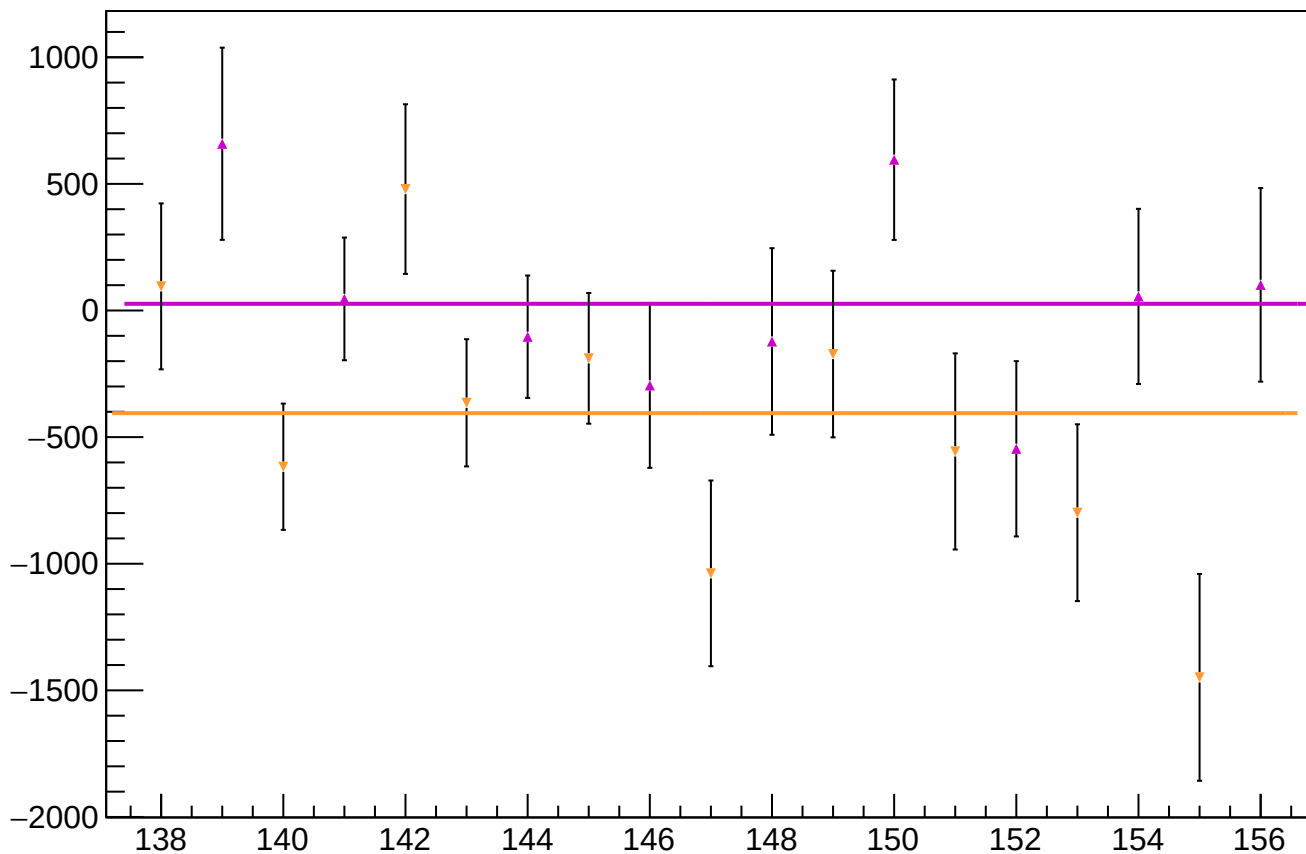
Left In: 56.410 ± 0.015 χ^2/NDF : 11871.9/8

59.860 ± 0.011 χ^2/NDF : 351412.1/26

59.870 ± 0.008 χ^2/NDF : 724056.9/55

59.880 ± 0.011 χ^2/NDF : 372643.3/28

asym_sam8_correction_mean vs Slug, Sign Corrected



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

Left Out: -405.276+/-98.664 χ^2/NDF : 22.2/9

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

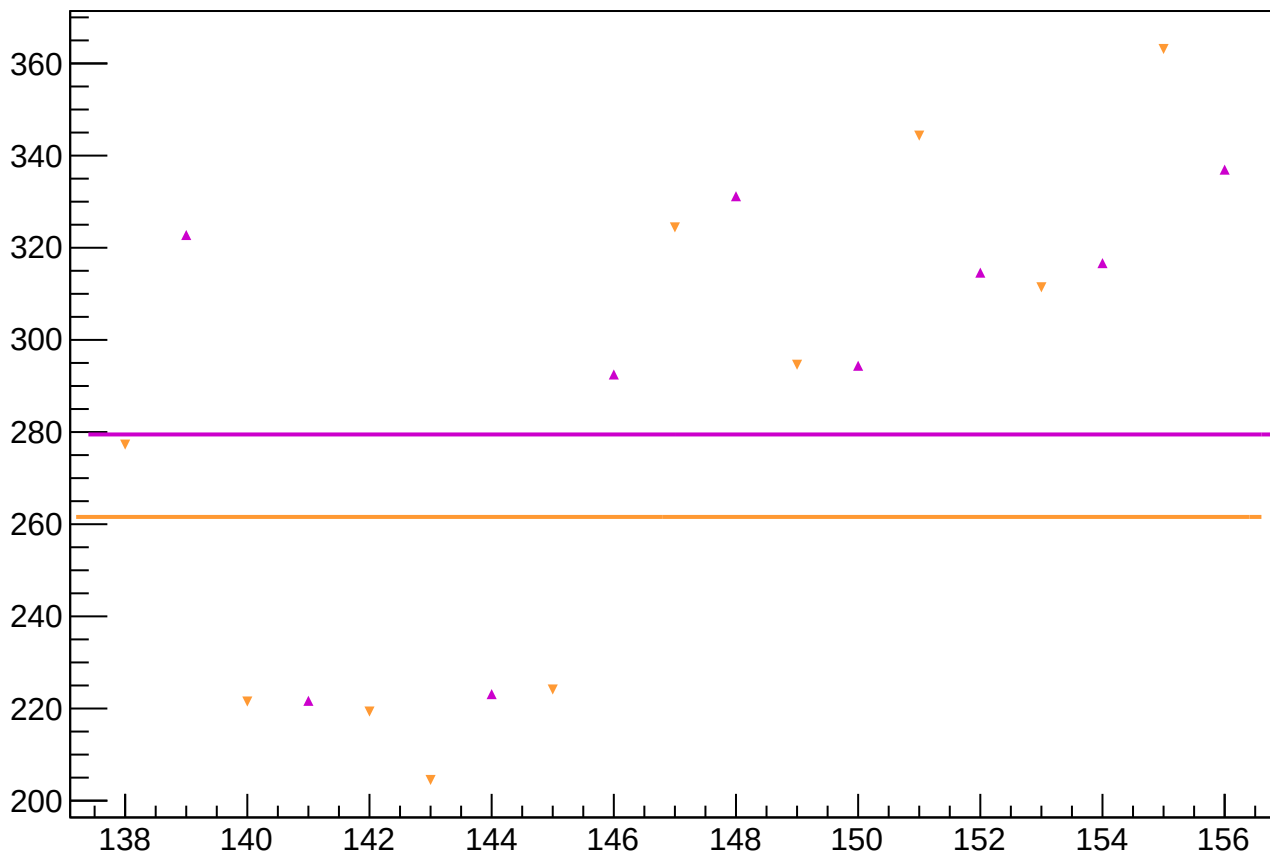
Left In: 26.529+/-104.576 χ^2/NDF : 10.2/8

-405.276+/-98.664 χ^2/NDF : 22.2/9

-201.923+/-71.765 χ^2/NDF : 41.4/18

26.529+/-104.576 χ^2/NDF : 10.2/8

asym_sam8_correction_rms vs Slug, Sign Corrected



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

Left Out: 261.580+/-0.070 χ^2/NDF : 568110.0/9

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

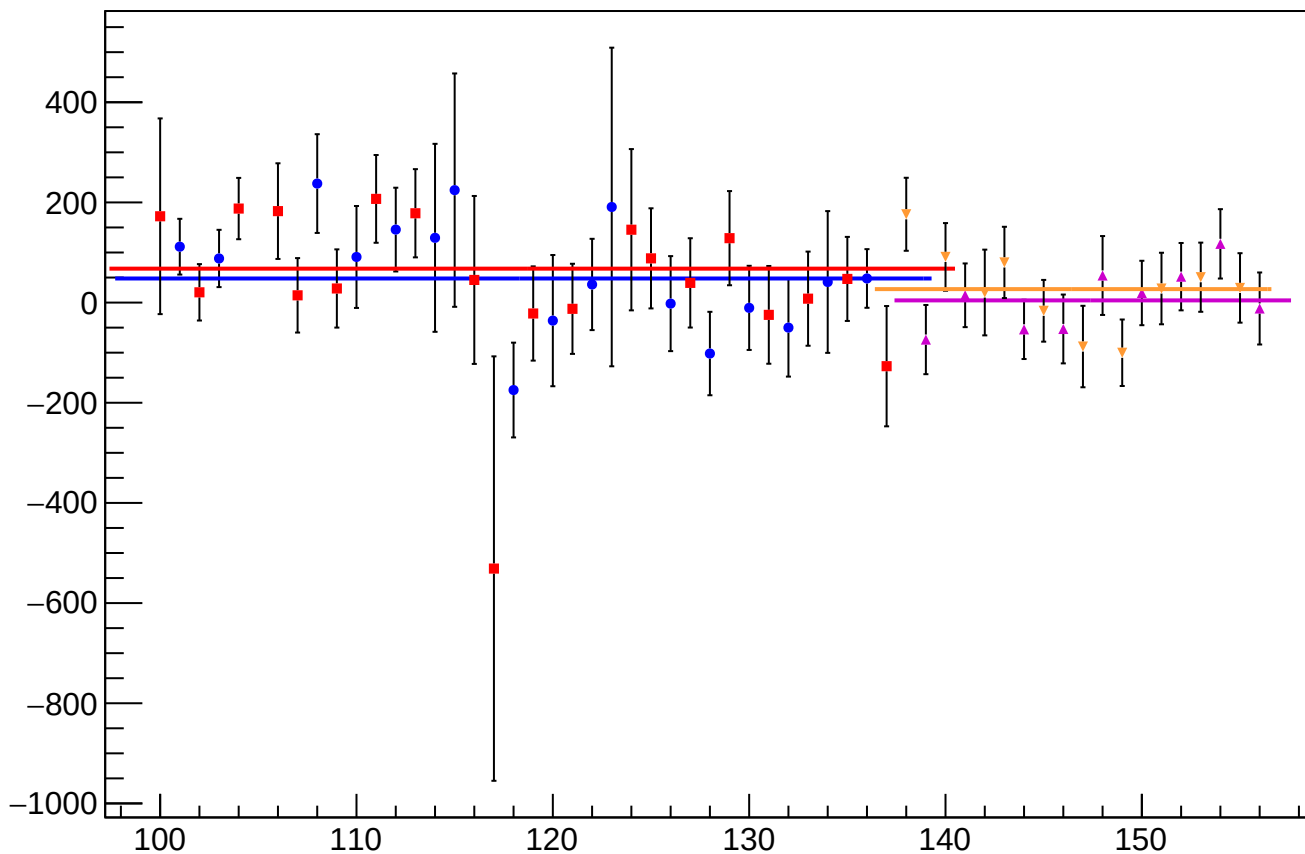
Left In: 279.480+/-0.074 χ^2/NDF : 384675.6/8

261.580+/-0.070 χ^2/NDF : 568110.0/9

270.010+/-0.051 χ^2/NDF : 983785.0/18

279.480+/-0.074 χ^2/NDF : 384675.6/8

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 48.109 $\pm$ 21.510 χ^2 /NDF: 19.0/16

Left Out: 26.892 $\pm$ 22.380 χ^2 /NDF:11.9/9

Right Out: 67.767 $\pm$ 20.383 χ^2 /NDF: 19.7/19

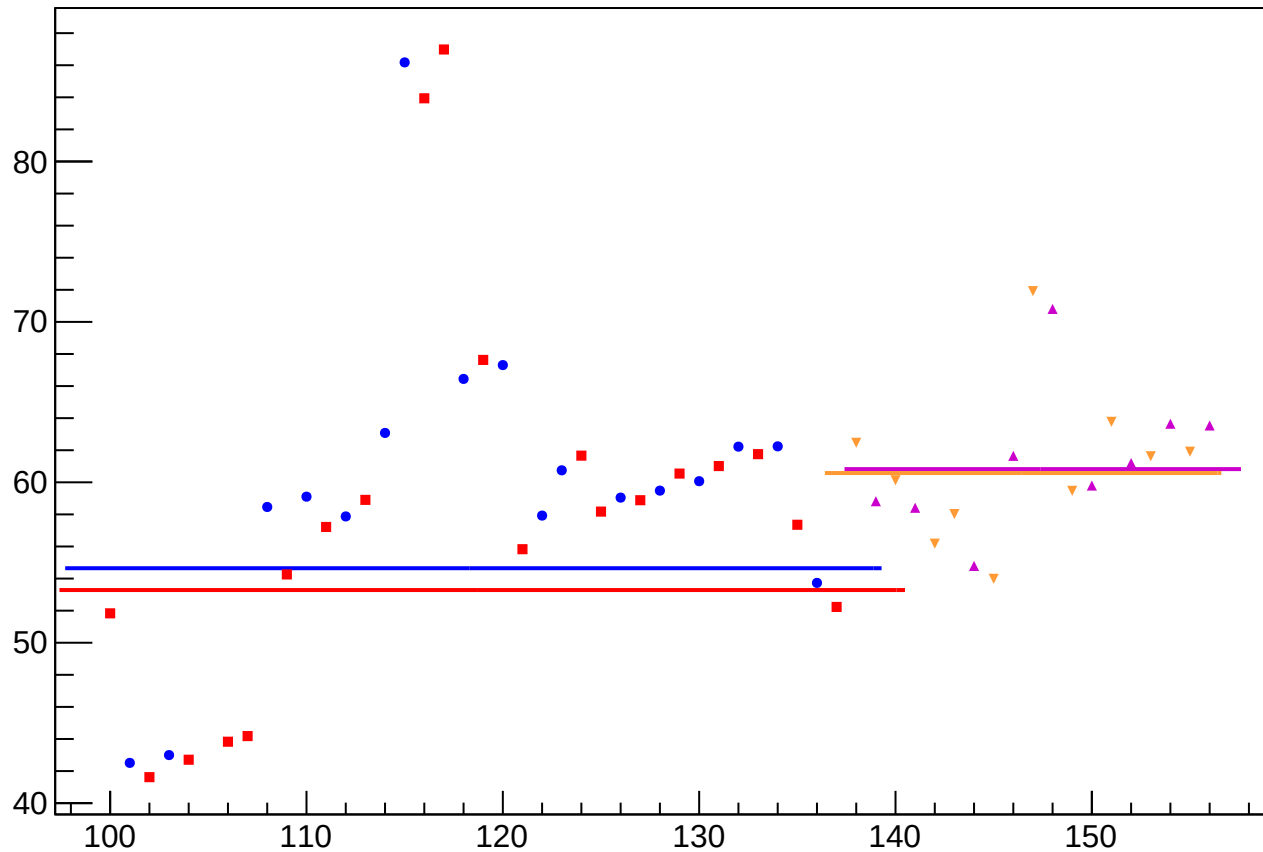
Left In: 4.379 $\pm$ 22.473 χ^2 /NDF:6.6/8

37.921 $\pm$ 15.508 χ^2 /NDF: 31.4/26

38.555 $\pm$ 10.818 χ^2 /NDF: 62.0/55

39.157 $\pm$ 15.098 χ^2 /NDF: 30.6/28

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 54.645+/-0.015 χ^2/NDF : 319300.2/16

Left Out: 60.579+/-0.016 χ^2/NDF : 76806.2/9

Right Out: 53.285+/-0.014 χ^2/NDF : 398973.0/19

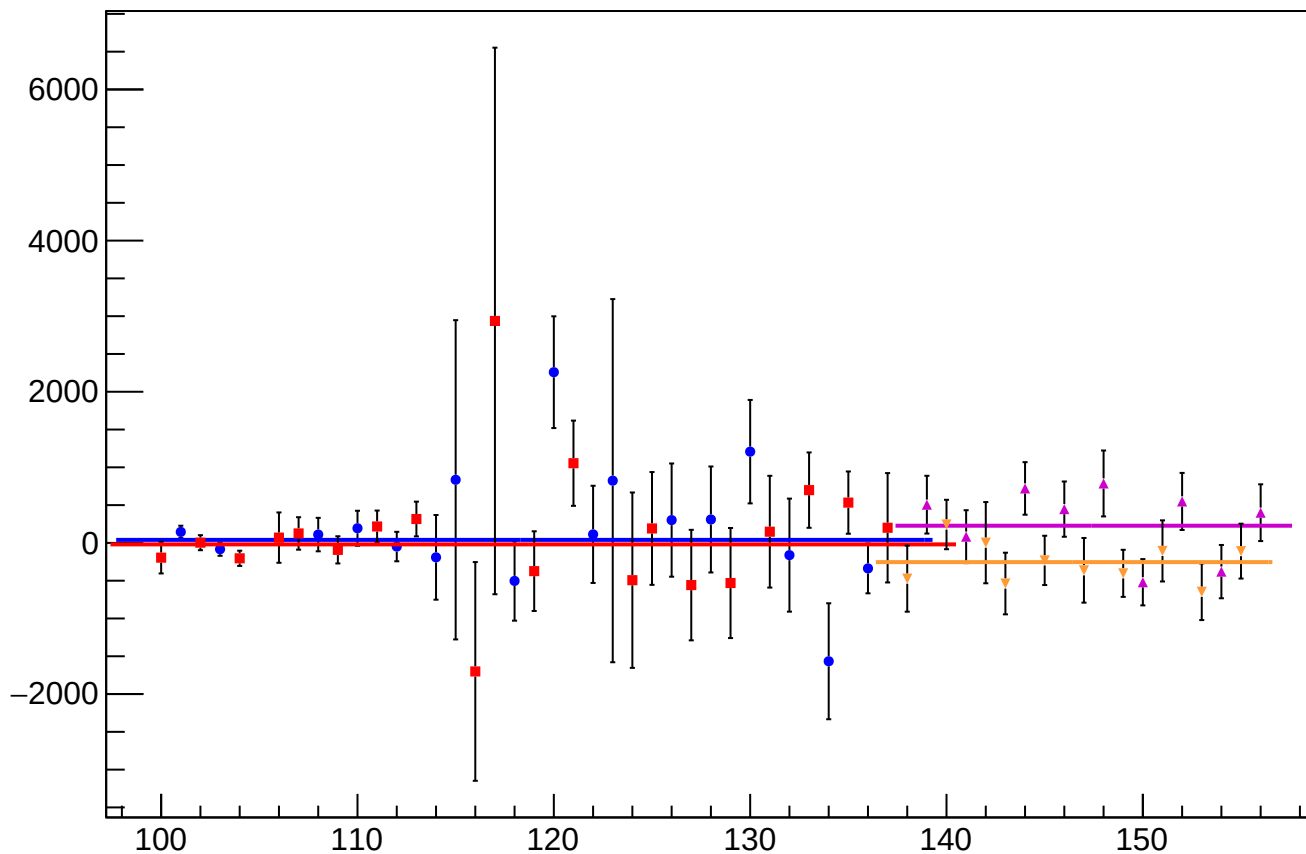
Left In: 60.824+/-0.016 χ^2/NDF : 64560.8/8

57.494+/-0.011 χ^2/NDF : 469193.5/26

57.080+/-0.008 χ^2/NDF : 1058976.2/55

56.688+/-0.011 χ^2/NDF : 587004.0/28

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



Right In: 40.207+/-51.542 χ^2/NDF : 23.9/16

Left Out: -254.190+/-119.472 χ^2/NDF : 5.0/9

Right Out: -19.590+/-53.268 χ^2/NDF : 19.6/19

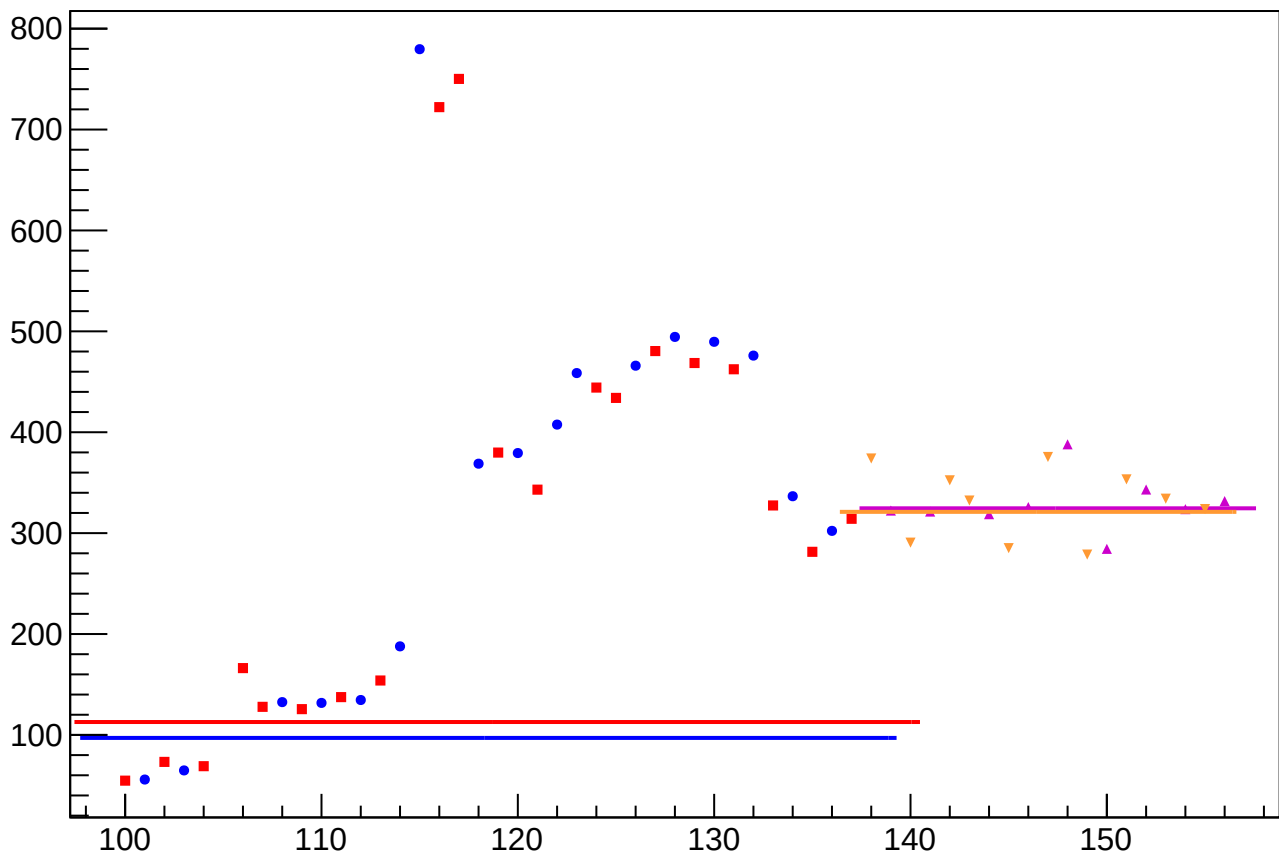
Left In: 227.512+/-120.531 χ^2/NDF : 14.6/8

-5.988+/-47.326 χ^2/NDF : 34.0/26

7.010+/-33.947 χ^2/NDF : 71.8/55

20.787+/-48.722 χ^2/NDF : 37.7/28

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



Right In: 97.039 $\pm$ 0.036 χ^2/NDF : 5819709.2/16

Left Out: 321.092 $\pm$ 0.084 χ^2/NDF : 163818.9/9

Right Out: 112.792 $\pm$ 0.038 χ^2/NDF : 5098459.2/19

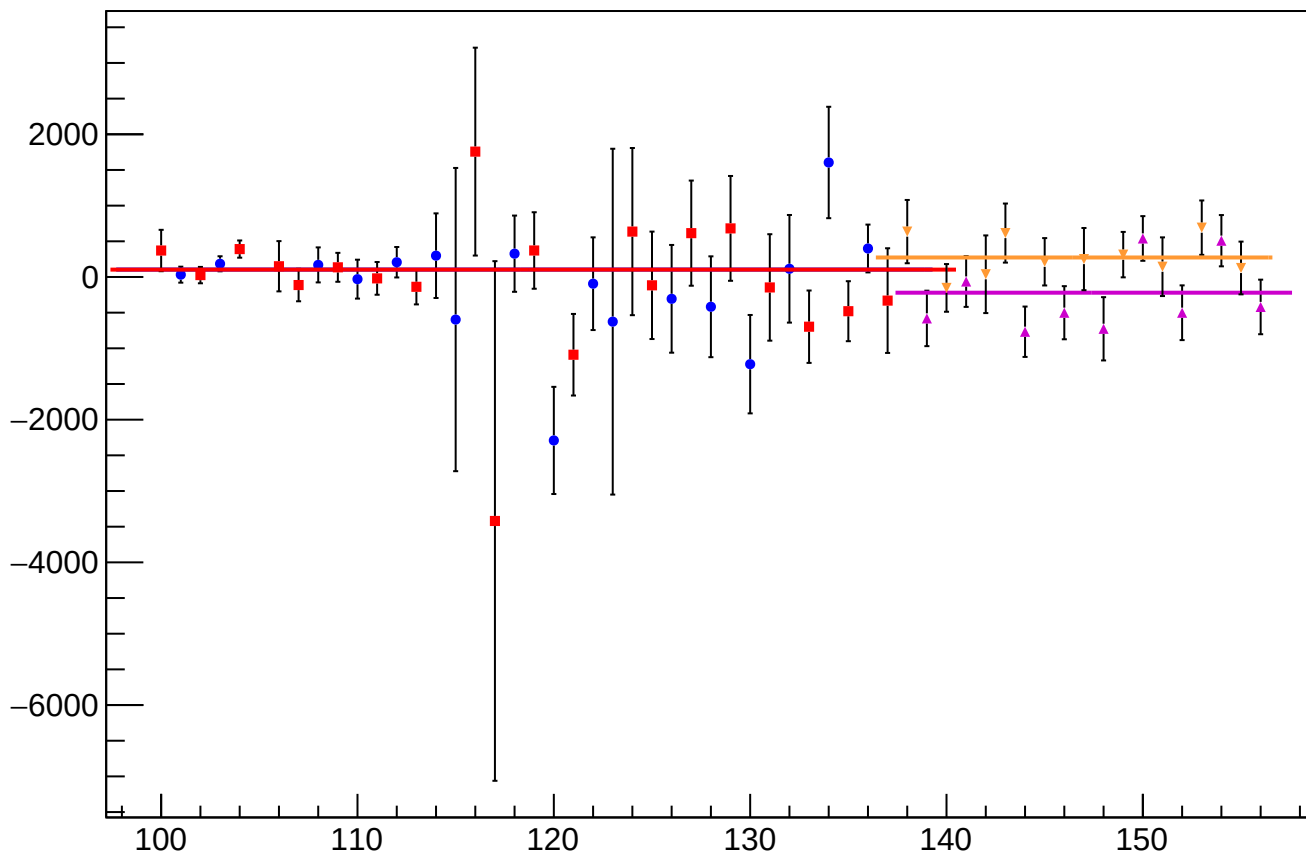
Left In: 324.600 $\pm$ 0.085 χ^2/NDF : 83148.7/8

132.196 $\pm$ 0.033 χ^2/NDF : 11913734.6/26

139.578 $\pm$ 0.024 χ^2/NDF : 22362529.9/55

147.402 $\pm$ 0.034 χ^2/NDF : 10348566.7/28

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 104.001 $\pm$ 63.156 χ^2 /NDF: 21.3/16

Left Out: 273.224 $\pm$ 121.656 χ^2 /NDF: 4.7/9

Right Out: 103.156 $\pm$ 60.849 χ^2 /NDF: 22.3/19

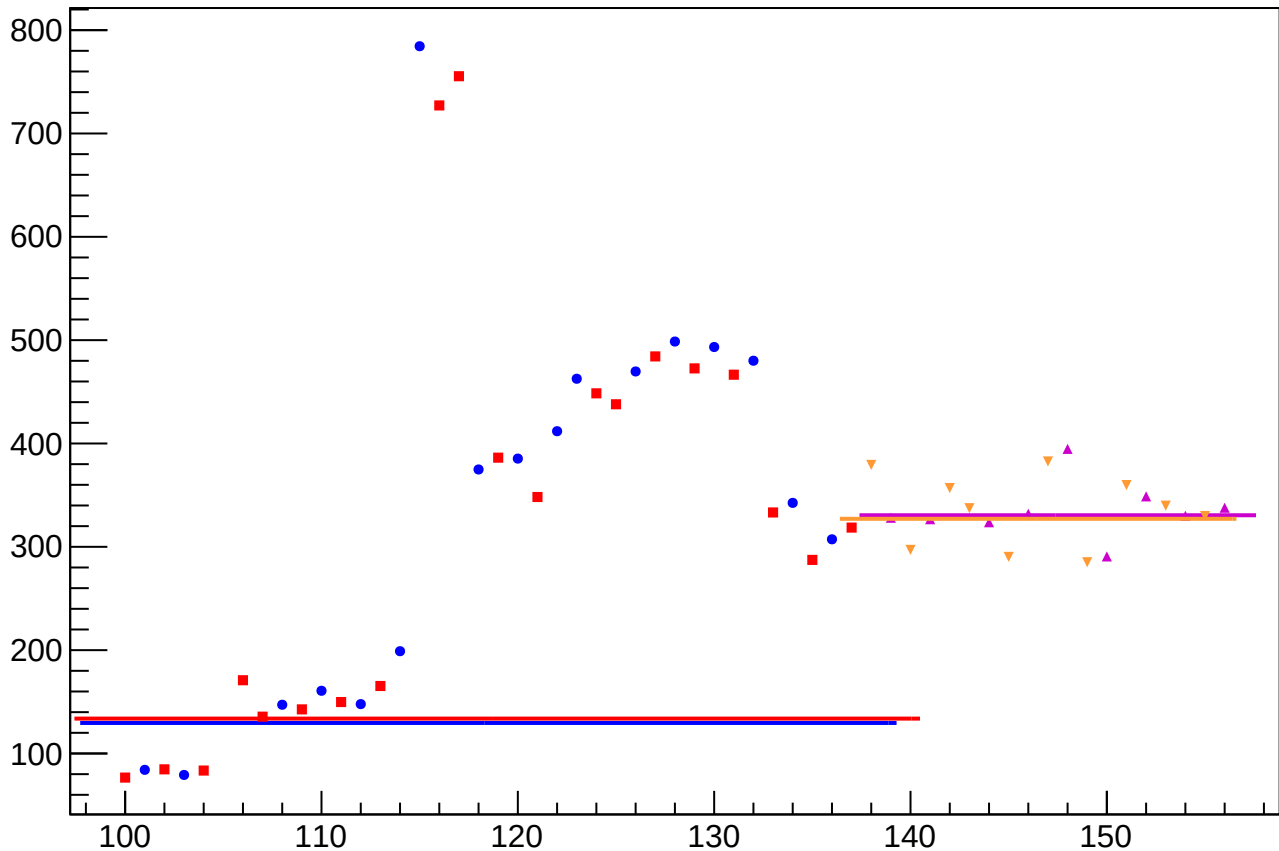
Left In: -220.394 $\pm$ 122.698 χ^2 /NDF: 16.1/8

139.925 $\pm$ 56.053 χ^2 /NDF: 27.5/26

88.206 $\pm$ 39.080 χ^2 /NDF: 73.2/55

39.290 $\pm$ 54.513 χ^2 /NDF: 44.0/28

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 129.552+/-0.045 χ^2/NDF : 4772450.4/16

Left Out: 327.110+/-0.086 χ^2/NDF : 157989.7/9

Right Out: 133.766+/-0.043 χ^2/NDF : 4424544.5/19

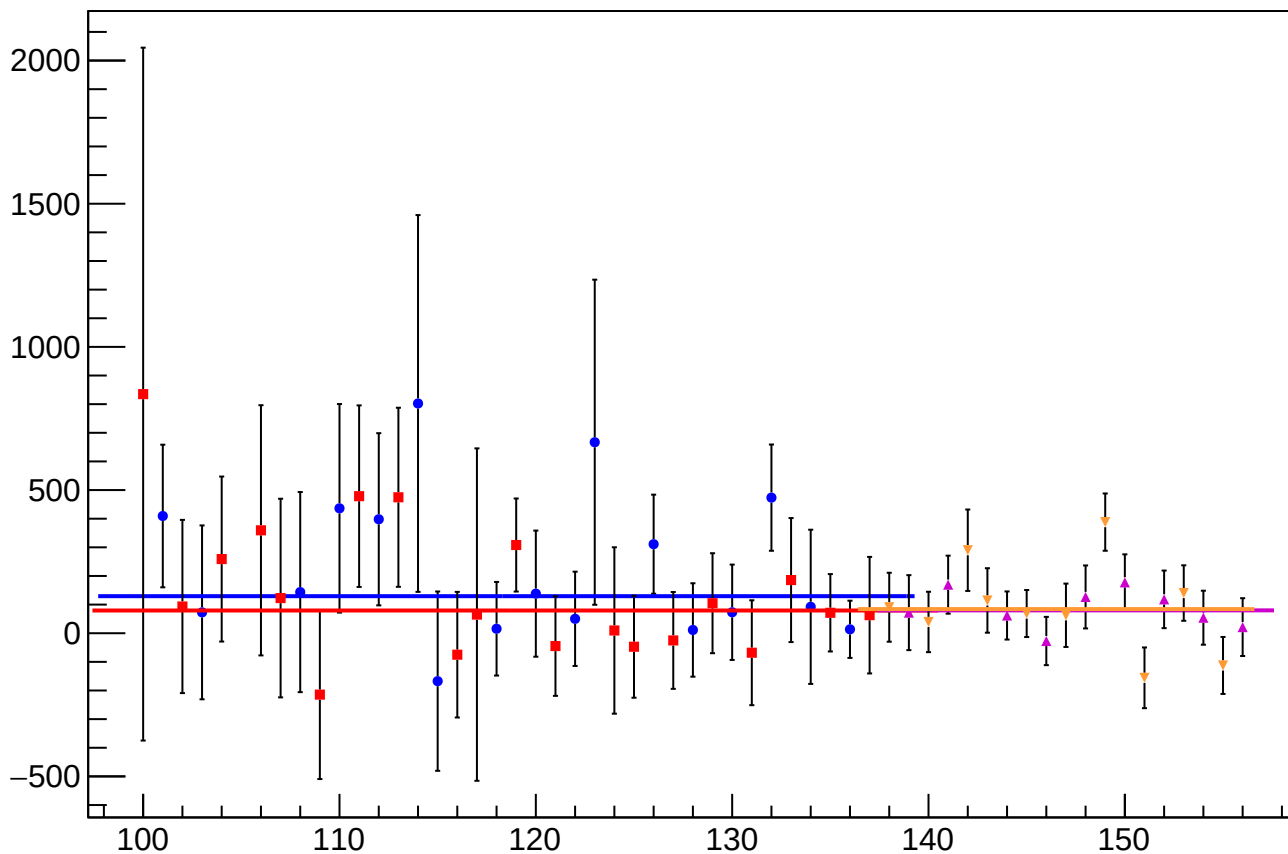
Left In: 330.549+/-0.087 χ^2/NDF : 80708.6/8

171.492+/-0.040 χ^2/NDF : 9084935.3/26

172.066+/-0.028 χ^2/NDF : 17719499.6/55

172.610+/-0.039 χ^2/NDF : 8634155.4/28

reg_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 129.398 $\pm$ 49.122 χ^2 /NDF: 12.9/16

Left Out: 84.301 $\pm$ 33.081 χ^2 /NDF:21.0/9

Right Out: 79.378 $\pm$ 49.703 χ^2 /NDF: 10.2/19

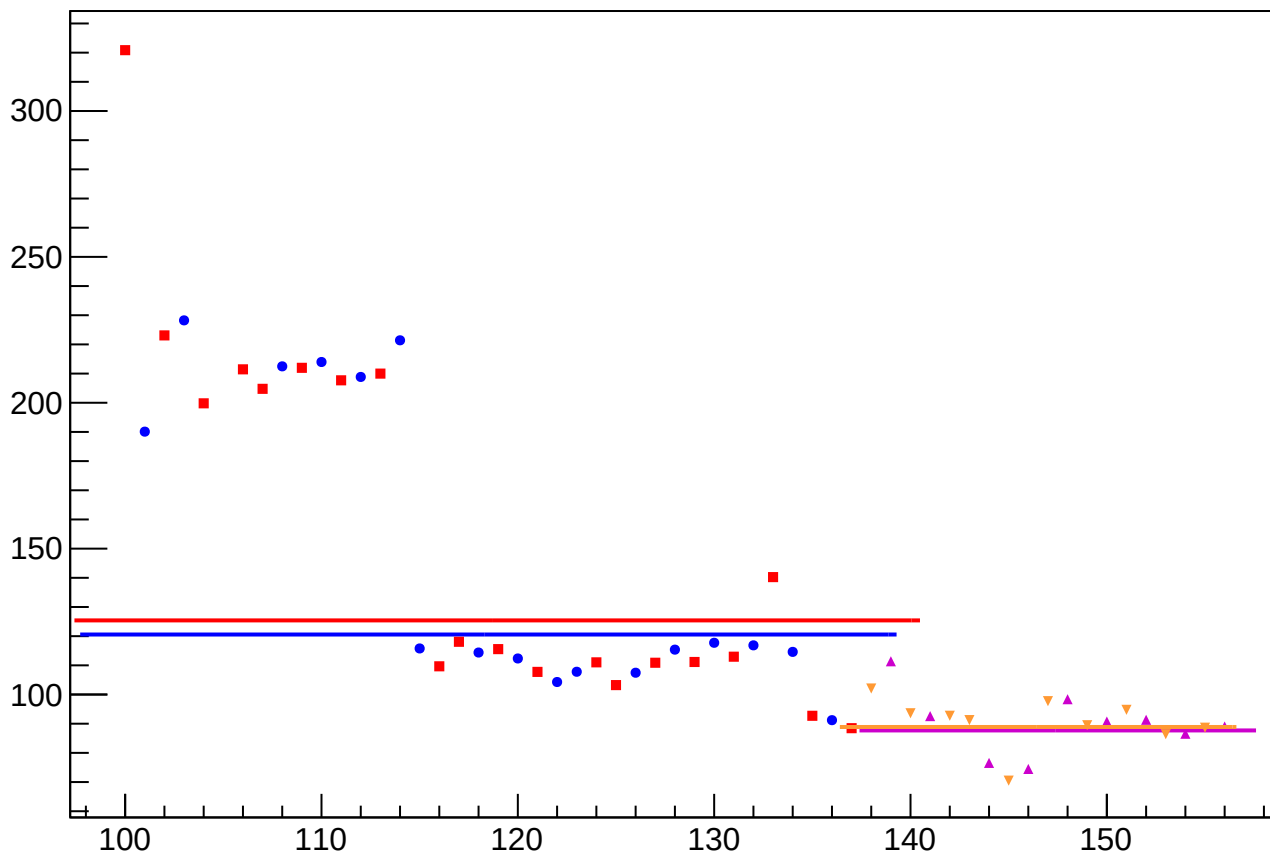
Left In: 79.840 $\pm$ 32.707 χ^2 /NDF:4.2/8

98.372 $\pm$ 27.439 χ^2 /NDF: 34.5/26

88.996 $\pm$ 19.361 χ^2 /NDF: 49.1/55

79.700 $\pm$ 27.322 χ^2 /NDF: 14.4/28

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 120.565+/-0.035 χ^2/NDF : 1112076.4/16

Left Out: 88.871+/-0.023 χ^2/NDF : 151042.5/9

Right Out: 125.404+/-0.035 χ^2/NDF : 1334075.7/19

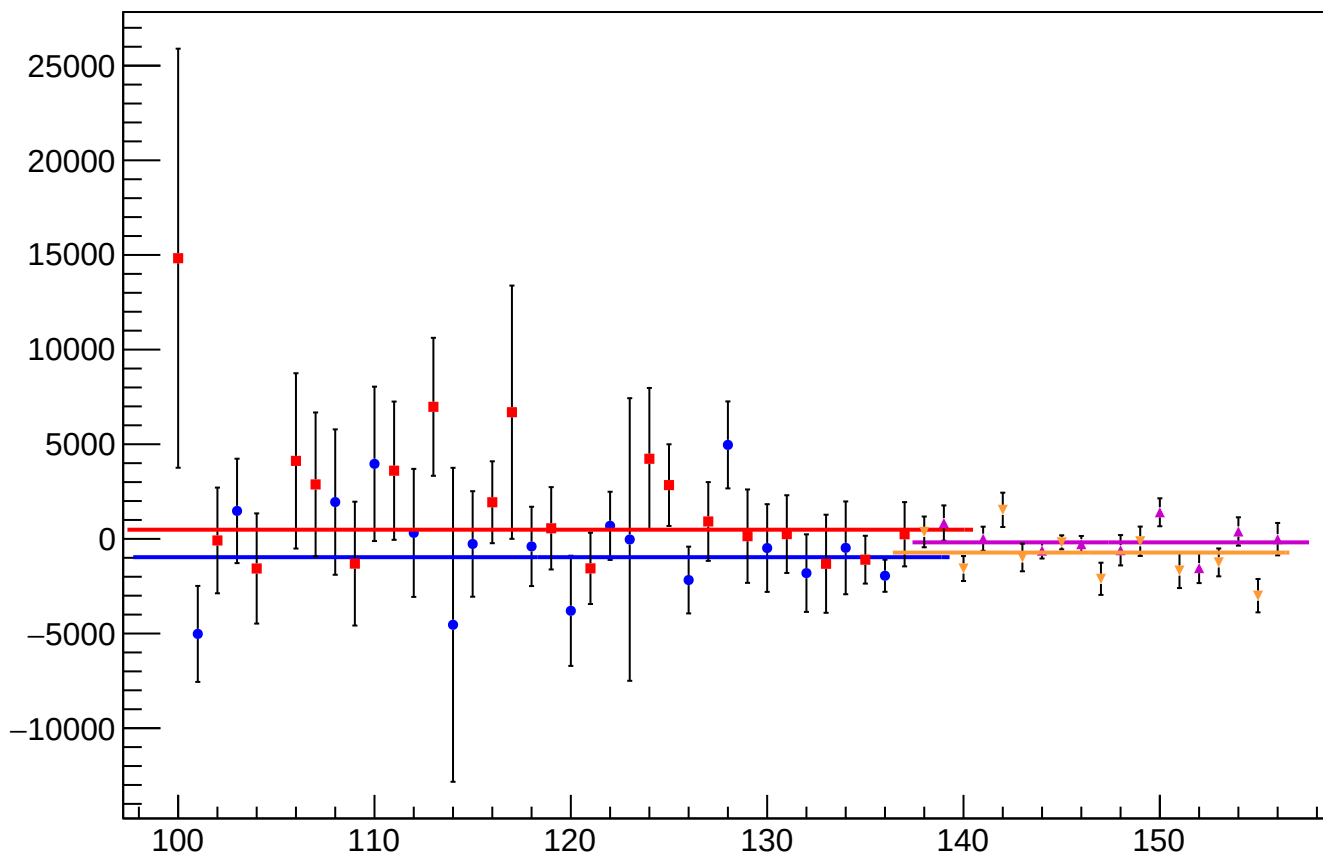
Left In: 87.690+/-0.023 χ^2/NDF : 178430.6/8

98.760+/-0.019 χ^2/NDF : 1835936.4/26

98.924+/-0.014 χ^2/NDF : 4152143.1/55

99.087+/-0.019 χ^2/NDF : 2316064.4/28

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



Right In: -966.587+/-512.340 χ^2/NDF : 16.4/16

Left Out: -723.876+/-215.611 χ^2/NDF : 23.3/9

Right Out: 485.654+/-543.567 χ^2/NDF : 14.3/19

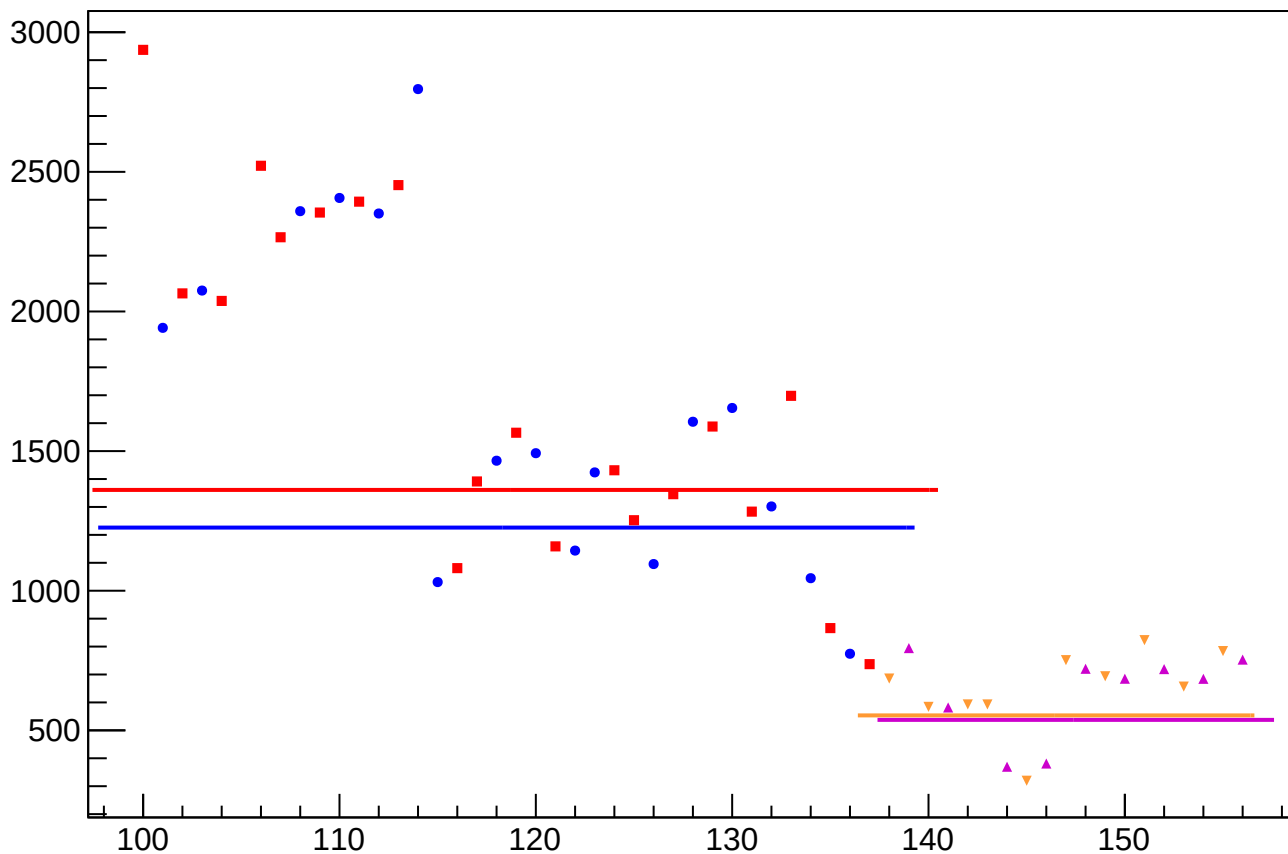
Left In: -183.905+/-209.024 χ^2/NDF : 10.9/8

-760.394+/-198.730 χ^2/NDF : 39.9/26

-422.907+/-139.221 χ^2/NDF : 72.1/55

-97.650+/-195.096 χ^2/NDF : 26.5/28

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



Right In: 1226.135 $\pm$ 0.362 χ^2 /NDF: 1756323.1/16

Left Out: 553.543 $\pm$ 0.152 χ^2 /NDF: 1380701.0/9

Right Out: 1360.972 $\pm$ 0.384 χ^2 /NDF: 1749116.2/19

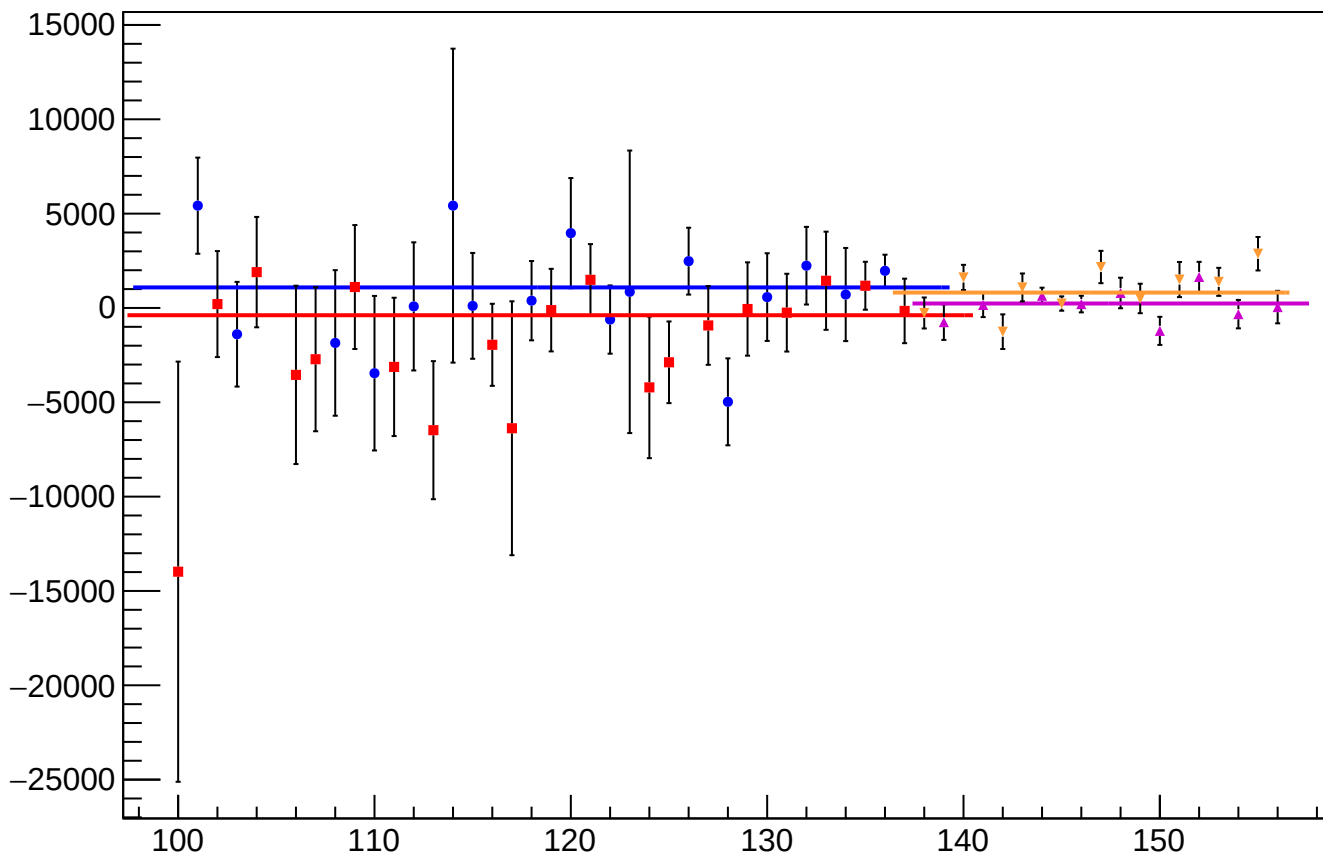
Left In: 537.504 $\pm$ 0.148 χ^2 /NDF: 1242253.0/8

654.739 $\pm$ 0.141 χ^2 /NDF: 6065229.1/26

649.059 $\pm$ 0.098 χ^2 /NDF: 13058544.2/55

643.585 $\pm$ 0.138 χ^2 /NDF: 6990106.9/28

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

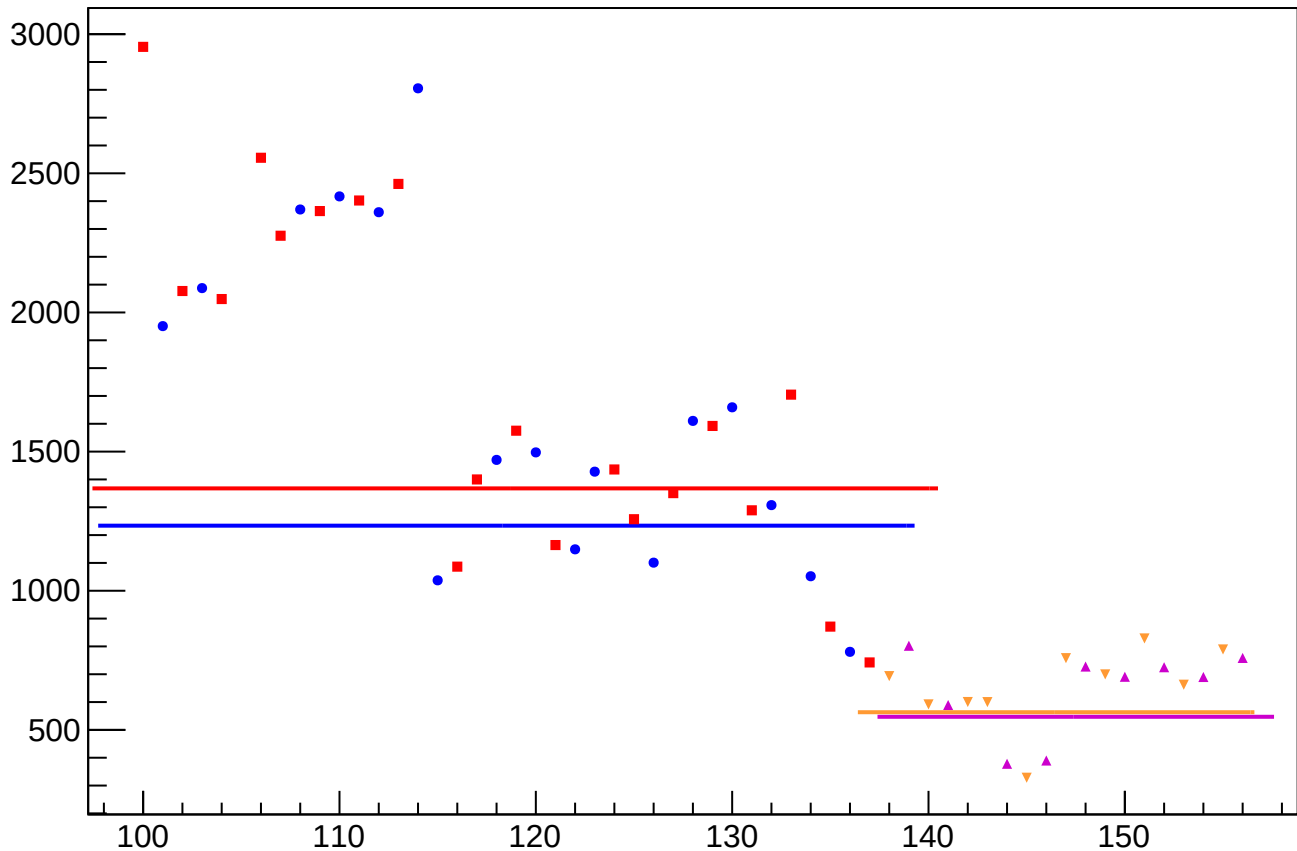
Left In: 236.644+/-212.304 χ^2/NDF : 10.0/8

857.463+/-201.499 χ^2/NDF : 37.1/26

499.909+/-141.188 χ^2/NDF : 67.7/55

155.047+/-197.890 χ^2/NDF : 24.4/28

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1233.863+/-0.364 χ^2/NDF : 1744048.5/16

Left Out: 563.510+/-0.155 χ^2/NDF : 1315297.6/9

Right Out: 1367.823+/-0.386 χ^2/NDF : 1744640.3/19

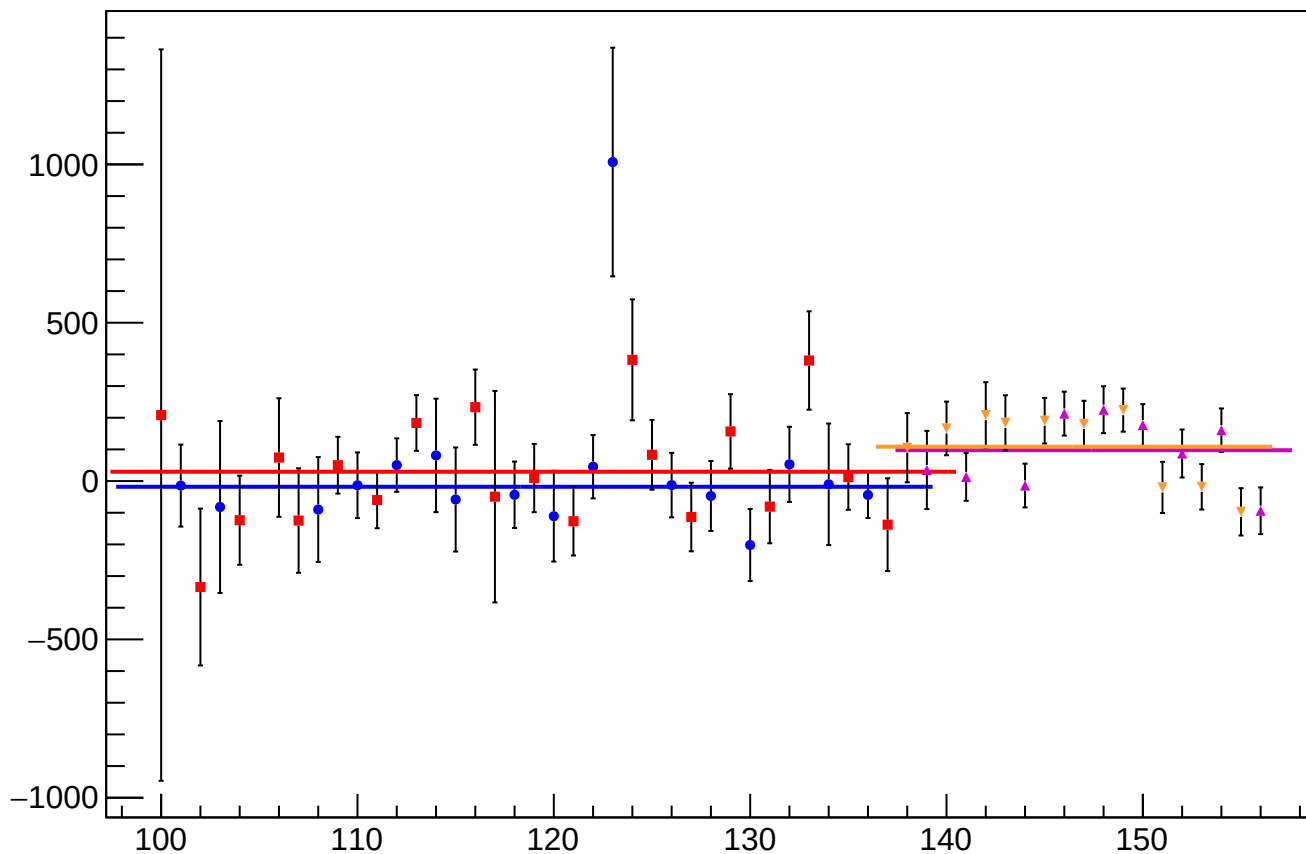
Left In: 547.133+/-0.150 χ^2/NDF : 1189127.9/8

666.022+/-0.142 χ^2/NDF : 5926737.3/26

660.303+/-0.100 χ^2/NDF : 12784043.5/55

654.788+/-0.140 χ^2/NDF : 6854141.8/28

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -17.972 ± 28.848 χ^2/NDF : 13.4/16

Left Out: 108.596 ± 25.239 χ^2/NDF : 20.5/9

Right Out: 29.517 ± 27.879 χ^2/NDF : 27.5/19

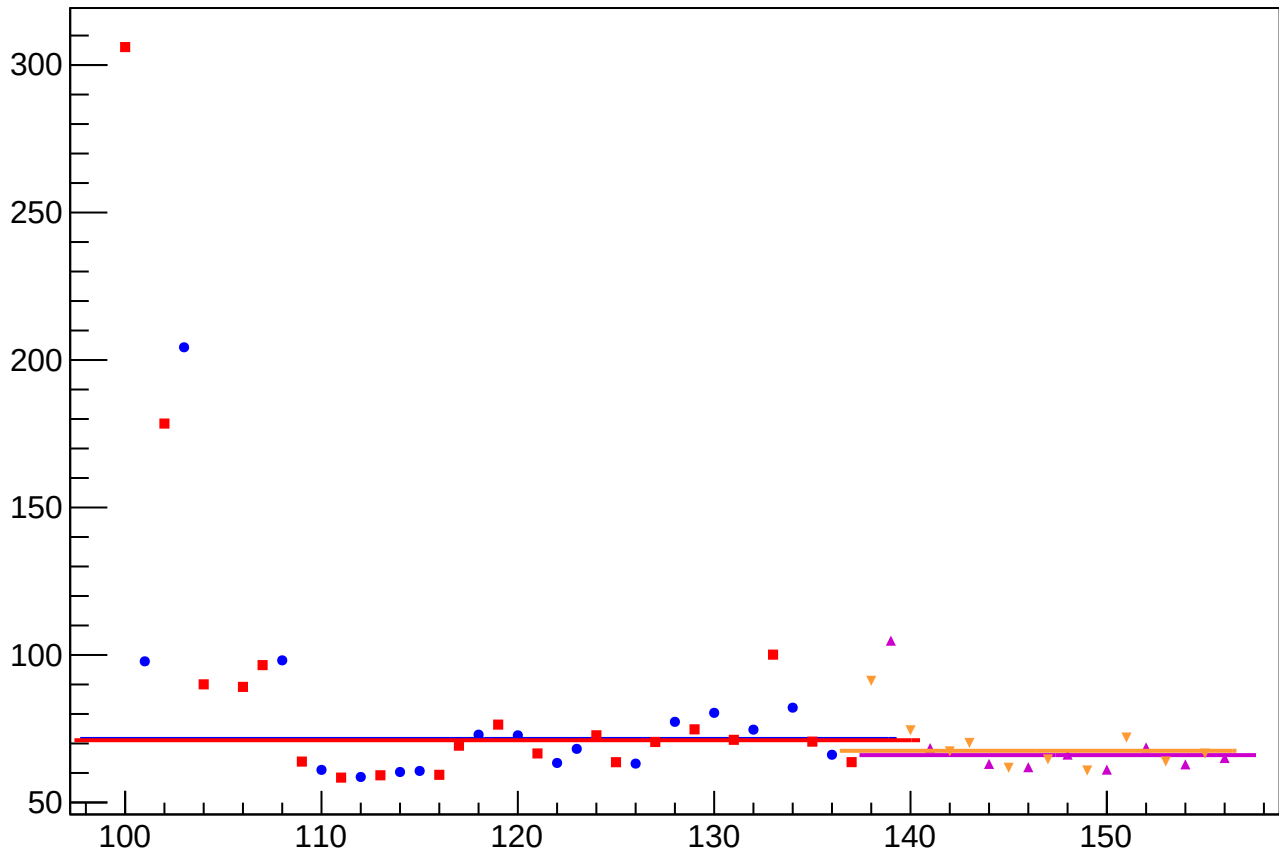
Left In: 97.440 ± 24.681 χ^2/NDF : 18.9/8

53.719 ± 18.995 χ^2/NDF : 44.8/26

60.848 ± 13.246 χ^2/NDF : 94.7/55

67.596 ± 18.480 χ^2/NDF : 49.7/28

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

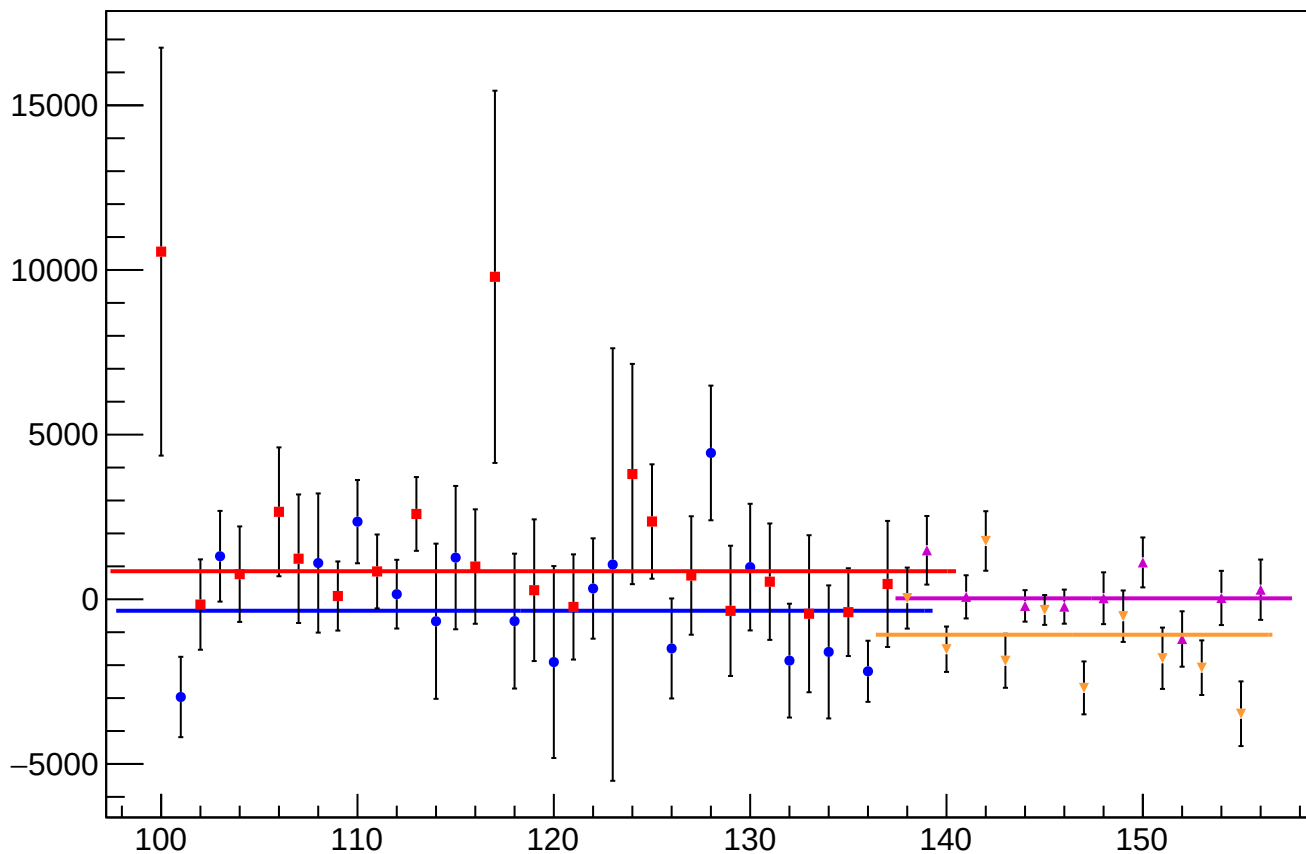
Left In: 66.053 ± 0.017 χ^2/NDF : 228205.1/8

69.260 ± 0.013 χ^2/NDF : 937359.9/26

68.752 ± 0.009 χ^2/NDF : 1970348.4/55

68.271 ± 0.013 χ^2/NDF : 1030203.4/28

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: -347.939 ± 381.994 χ^2/NDF : 24.1/16

Left Out: -1076.141 ± 237.761 χ^2/NDF : 28.0/9

Right Out: 852.433 ± 369.018 χ^2/NDF : 13.0/19

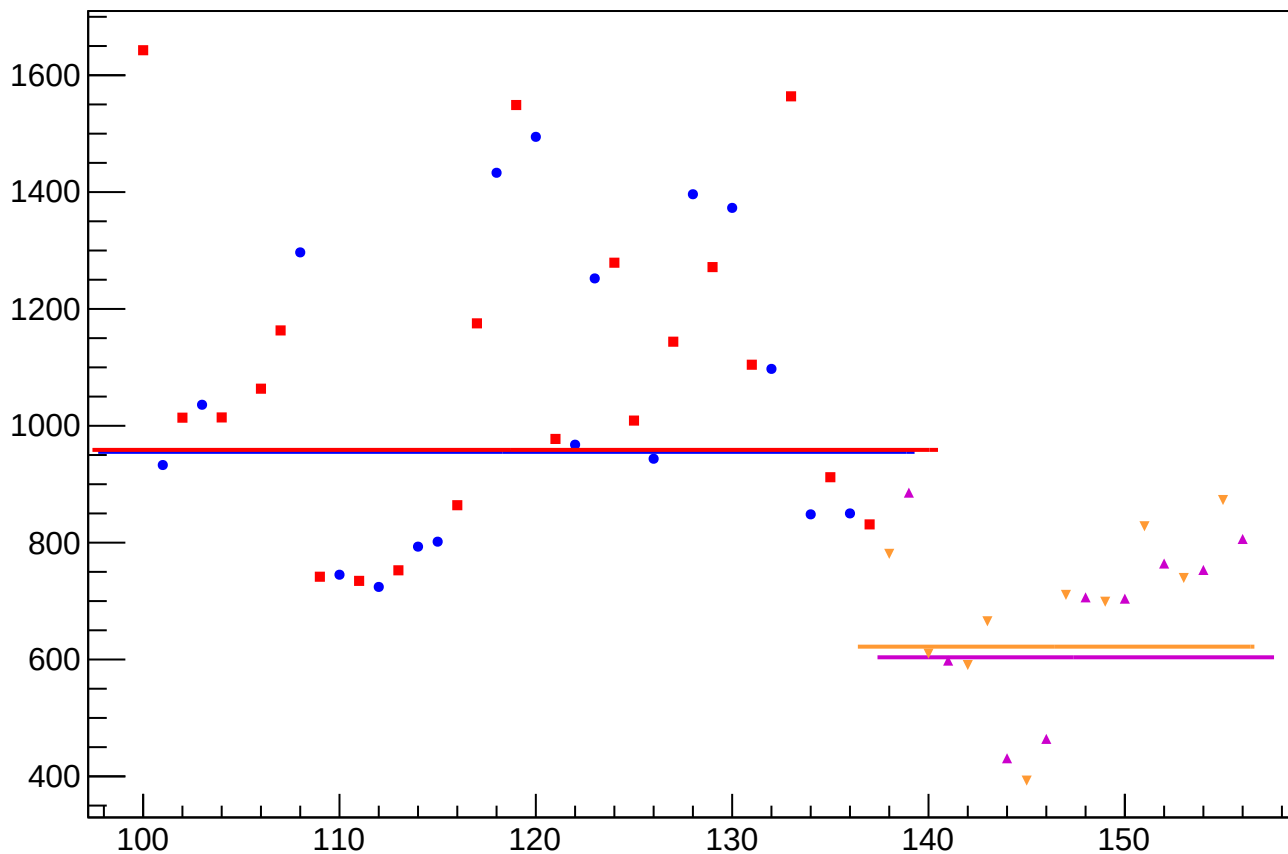
Left In: 28.557 ± 230.687 χ^2/NDF : 6.7/8

-872.804 ± 201.855 χ^2/NDF : 54.7/26

-288.580 ± 140.473 χ^2/NDF : 94.3/55

260.056 ± 195.610 χ^2/NDF : 23.3/28

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



Right In: 955.425 $\pm$ 0.270 χ^2 /NDF: 646512.4/16

Left Out: 621.998 $\pm$ 0.168 χ^2 /NDF: 892308.6/9

Right Out: 958.776 $\pm$ 0.261 χ^2 /NDF: 696031.2/19

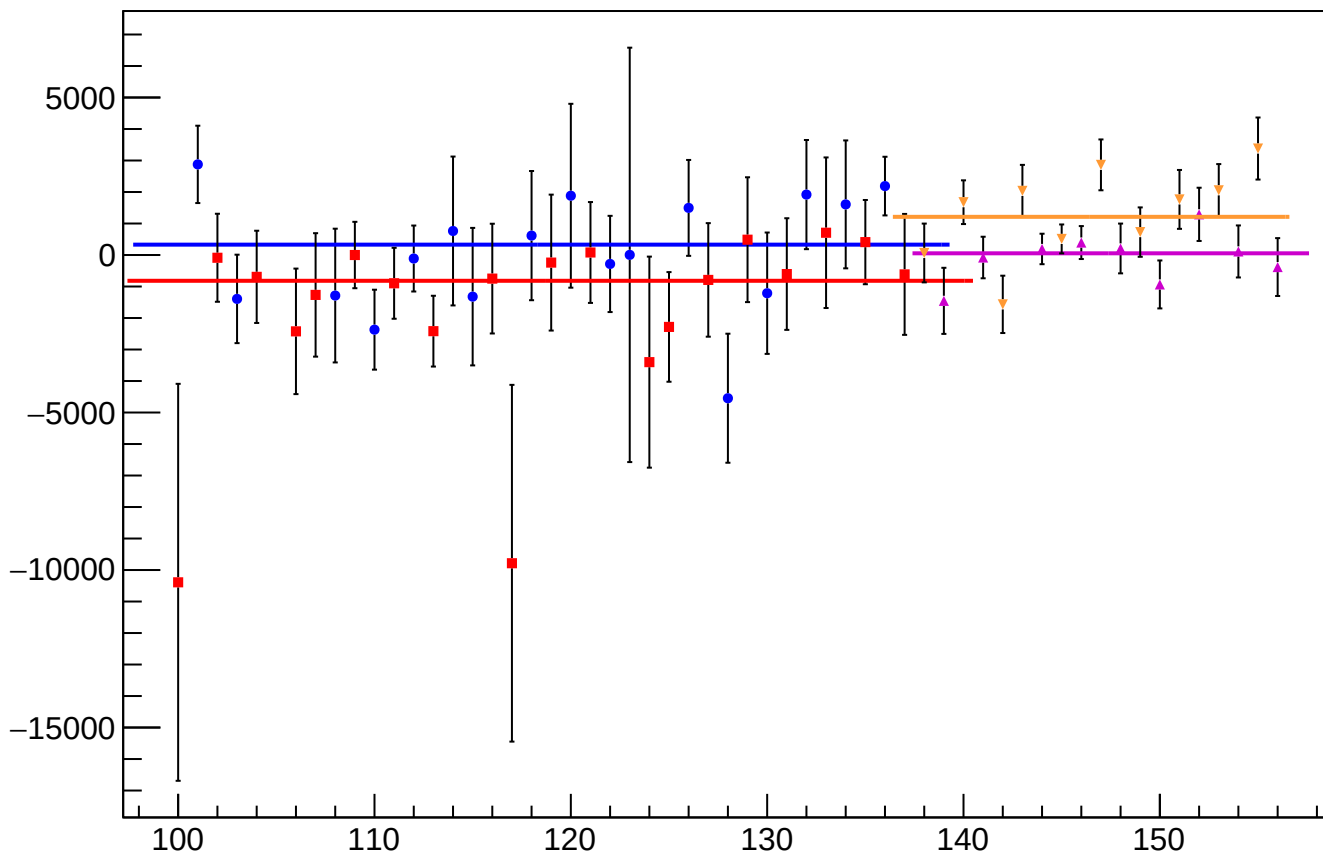
Left In: 603.778 $\pm$ 0.163 χ^2 /NDF: 858764.6/8

715.101 $\pm$ 0.143 χ^2 /NDF: 2637109.8/26

709.133 $\pm$ 0.099 χ^2 /NDF: 5526125.3/55

703.528 $\pm$ 0.138 χ^2 /NDF: 2885625.1/28

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 329.164 $\pm$ 383.728 χ^2/NDF : 24.3/16

Left Out: 1212.029 $\pm$ 239.520 χ^2/NDF : 25.4/9

Right Out: -818.253 $\pm$ 370.875 χ^2/NDF : 11.8/19

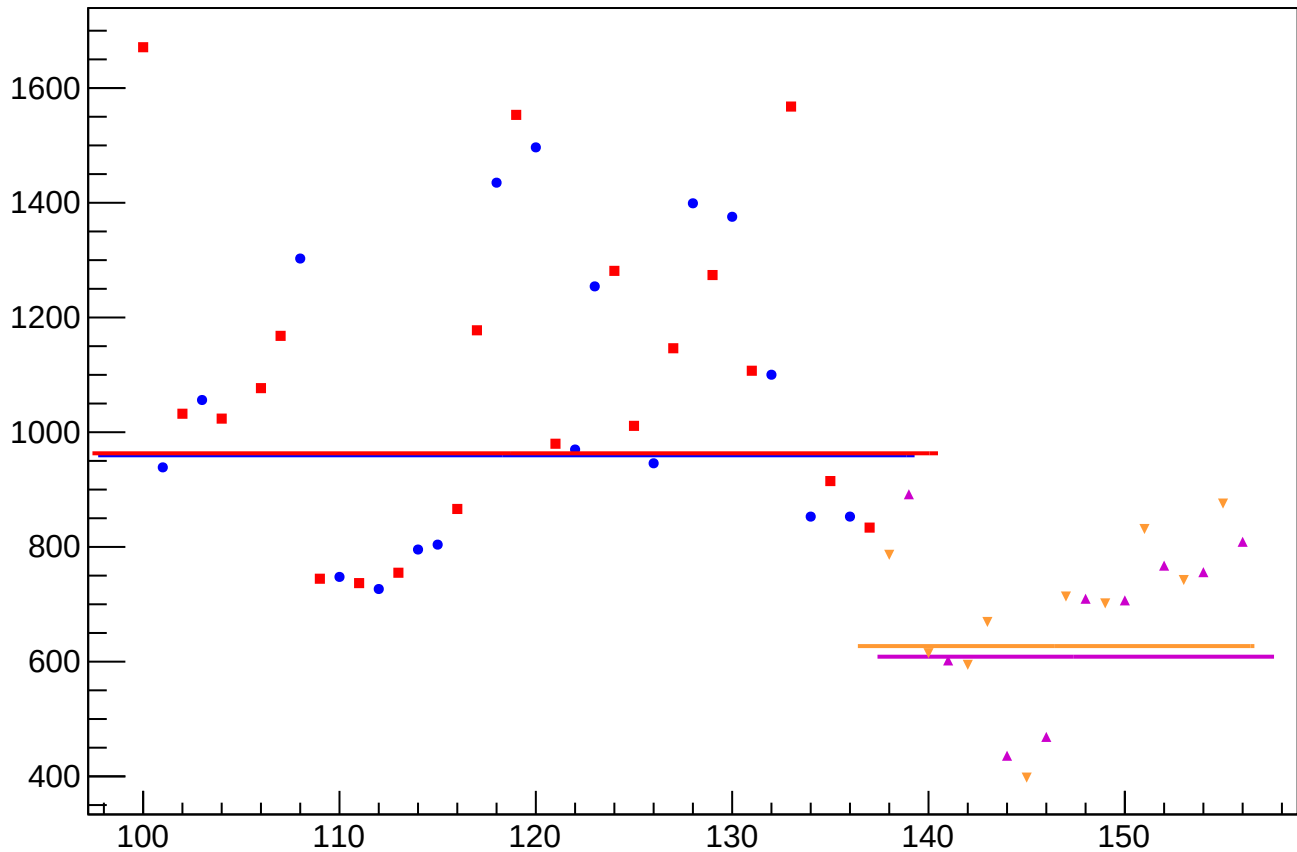
Left In: 54.160 $\pm$ 232.372 χ^2/NDF : 6.7/8

964.494 $\pm$ 203.186 χ^2/NDF : 53.5/26

368.237 $\pm$ 141.405 χ^2/NDF : 92.7/55

-191.774 $\pm$ 196.914 χ^2/NDF : 22.5/28

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 959.770 +/- 0.271 χ^2/NDF : 646727.9/16

Left Out: 627.133 +/- 0.169 χ^2/NDF : 867867.4/9

Right Out: 963.238 +/- 0.262 χ^2/NDF : 698638.3/19

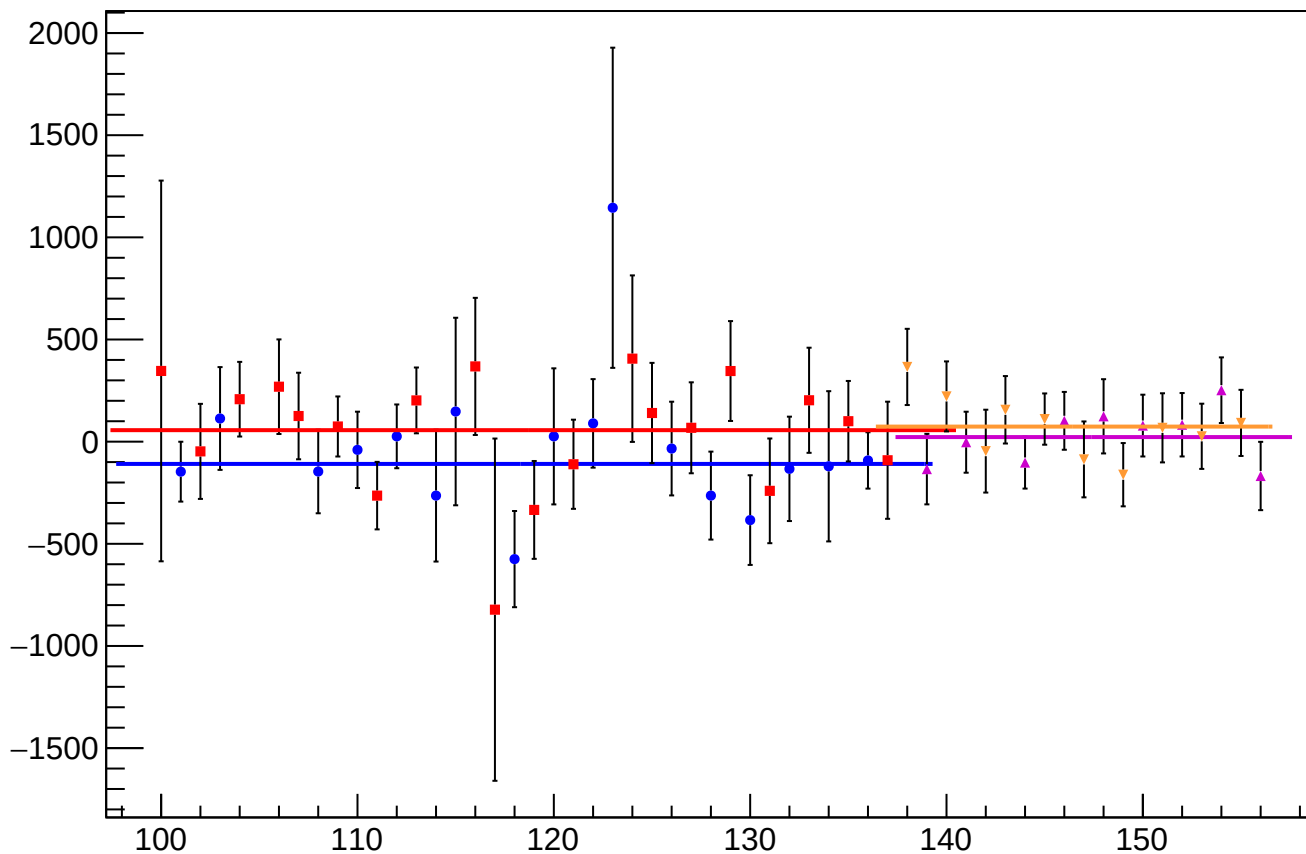
Left In: 608.653 +/- 0.164 χ^2/NDF : 839241.1/8

720.397 +/- 0.144 χ^2/NDF : 2596103.4/26

714.319 +/- 0.100 χ^2/NDF : 5450254.7/55

708.611 +/- 0.139 χ^2/NDF : 2850681.2/28

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -108.977 ± 52.923 χ^2/NDF : 12.0/16

Left Out: 73.759 ± 51.957 χ^2/NDF : 7.0/9

Right Out: 56.241 ± 50.729 χ^2/NDF : 16.0/19

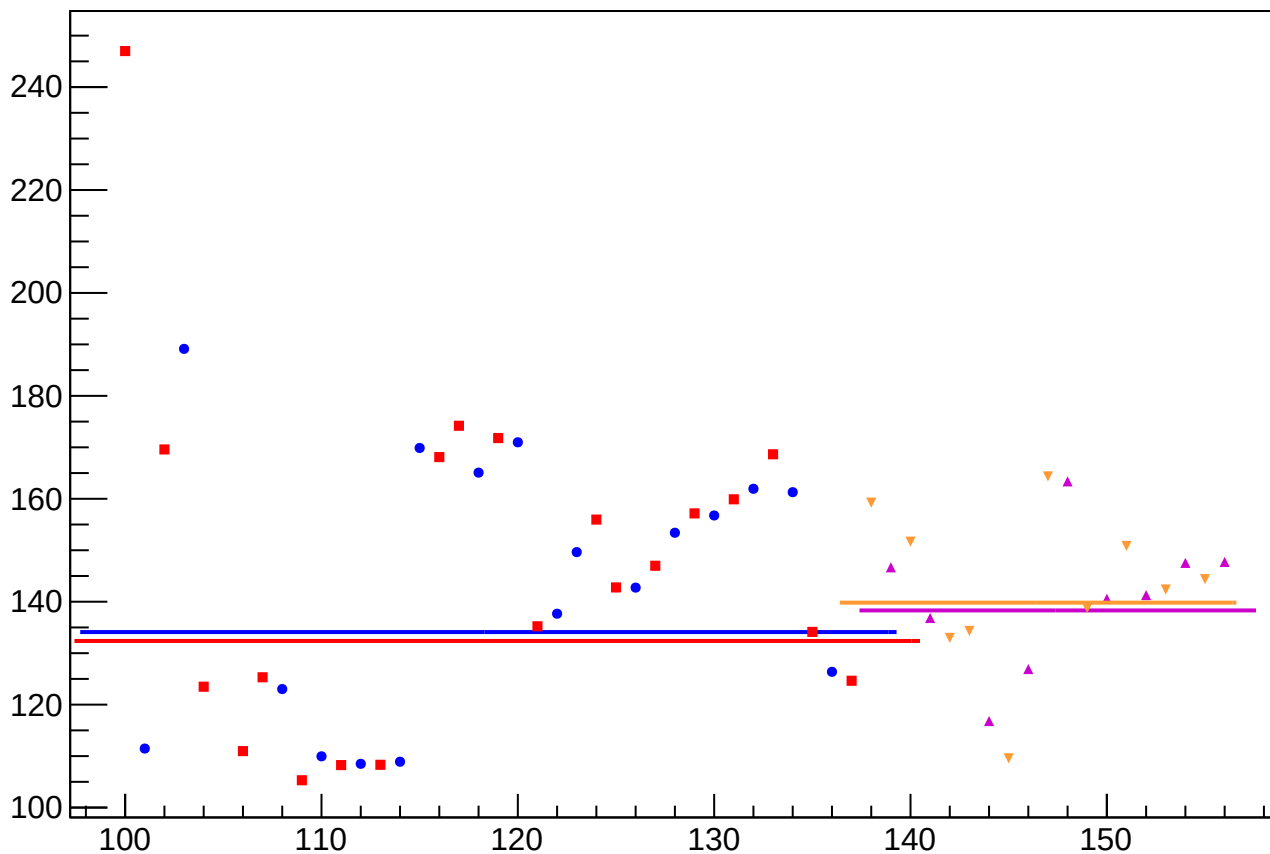
Left In: 22.434 ± 51.294 χ^2/NDF : 6.1/8

-15.926 ± 37.076 χ^2/NDF : 25.1/26

12.563 ± 25.853 χ^2/NDF : 48.5/55

39.525 ± 36.069 χ^2/NDF : 22.3/28

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.103 $\pm$ 0.037 χ^2 /NDF: 402581.2/16

Left Out: 139.817 $\pm$ 0.037 χ^2 /NDF: 197584.1/9

Right Out: 132.373 $\pm$ 0.036 χ^2 /NDF: 446741.9/19

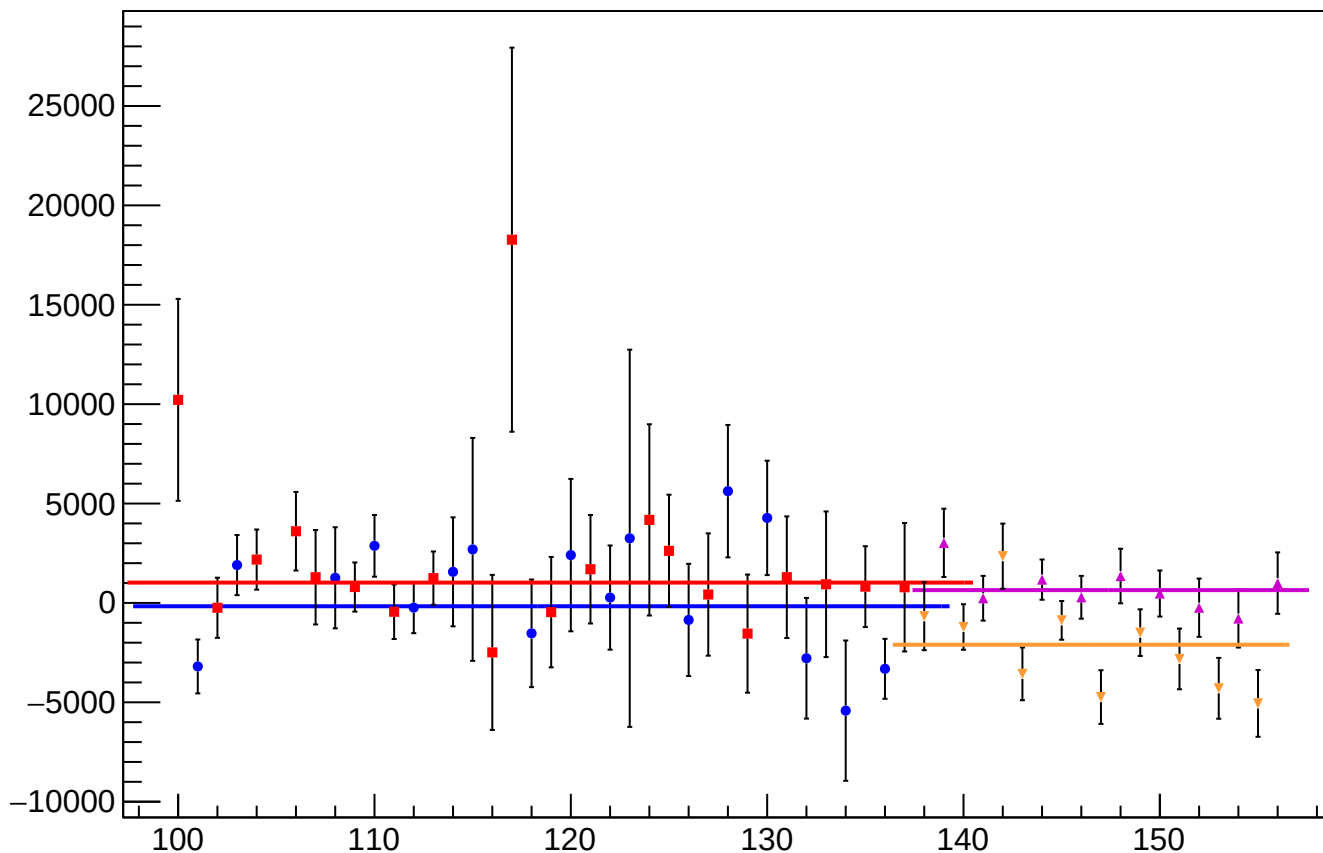
Left In: 138.306 $\pm$ 0.036 χ^2 /NDF: 127089.1/8

137.013 $\pm$ 0.026 χ^2 /NDF: 612034.9/26

136.136 $\pm$ 0.018 χ^2 /NDF: 1201568.5/55

135.306 $\pm$ 0.026 χ^2 /NDF: 587357.3/28

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



Right In: -168.237 ± 523.672 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

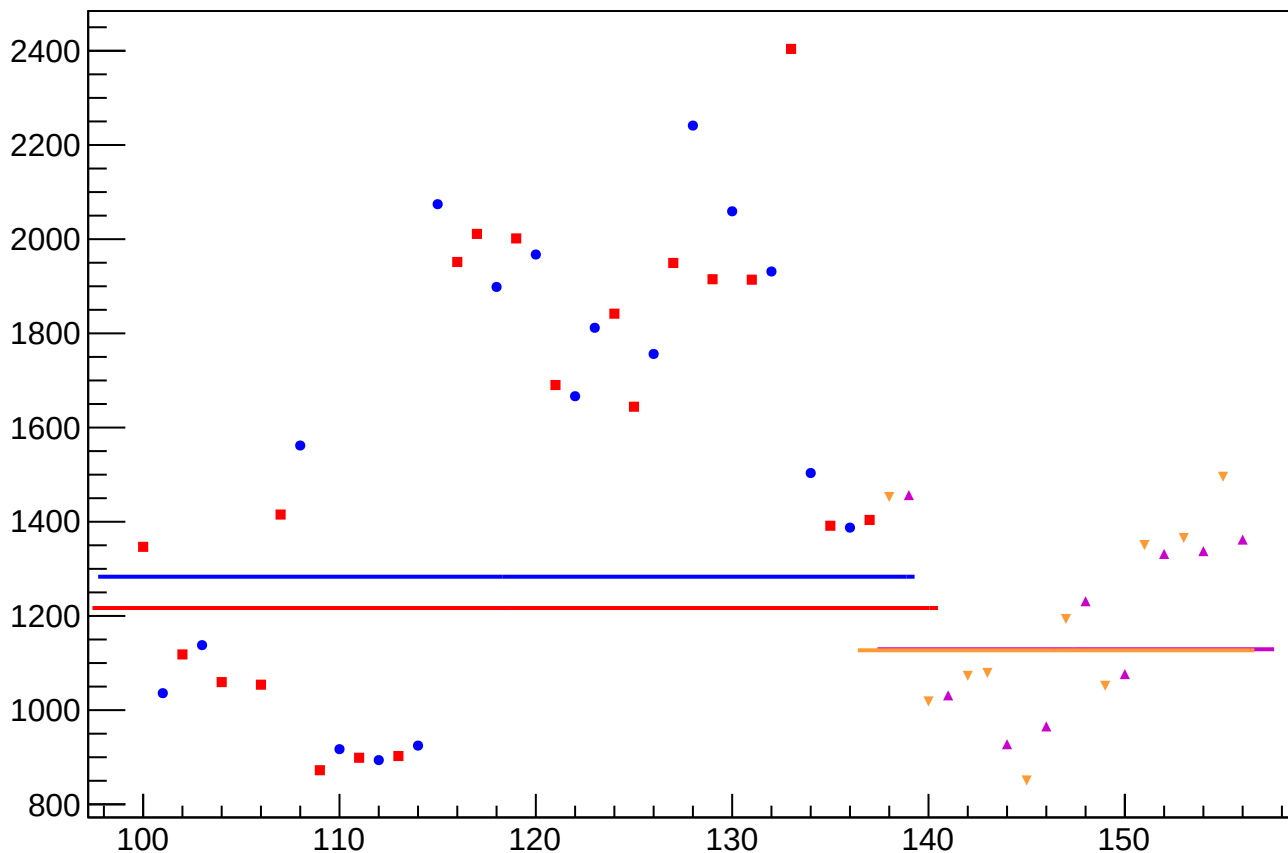
Left In: 644.406 ± 422.587 χ^2/NDF : 4.1/8

-1338.830 ± 329.157 χ^2/NDF : 54.5/26

-225.136 ± 228.437 χ^2/NDF : 94.5/55

809.691 ± 317.288 χ^2/NDF : 17.8/28

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



Right In: 1283.318+/-0.370 χ^2/NDF : 1169431.5/16

Left Out: 1127.086+/-0.299 χ^2/NDF : 456975.2/9

Right Out: 1216.852+/-0.340 χ^2/NDF : 1374416.0/19

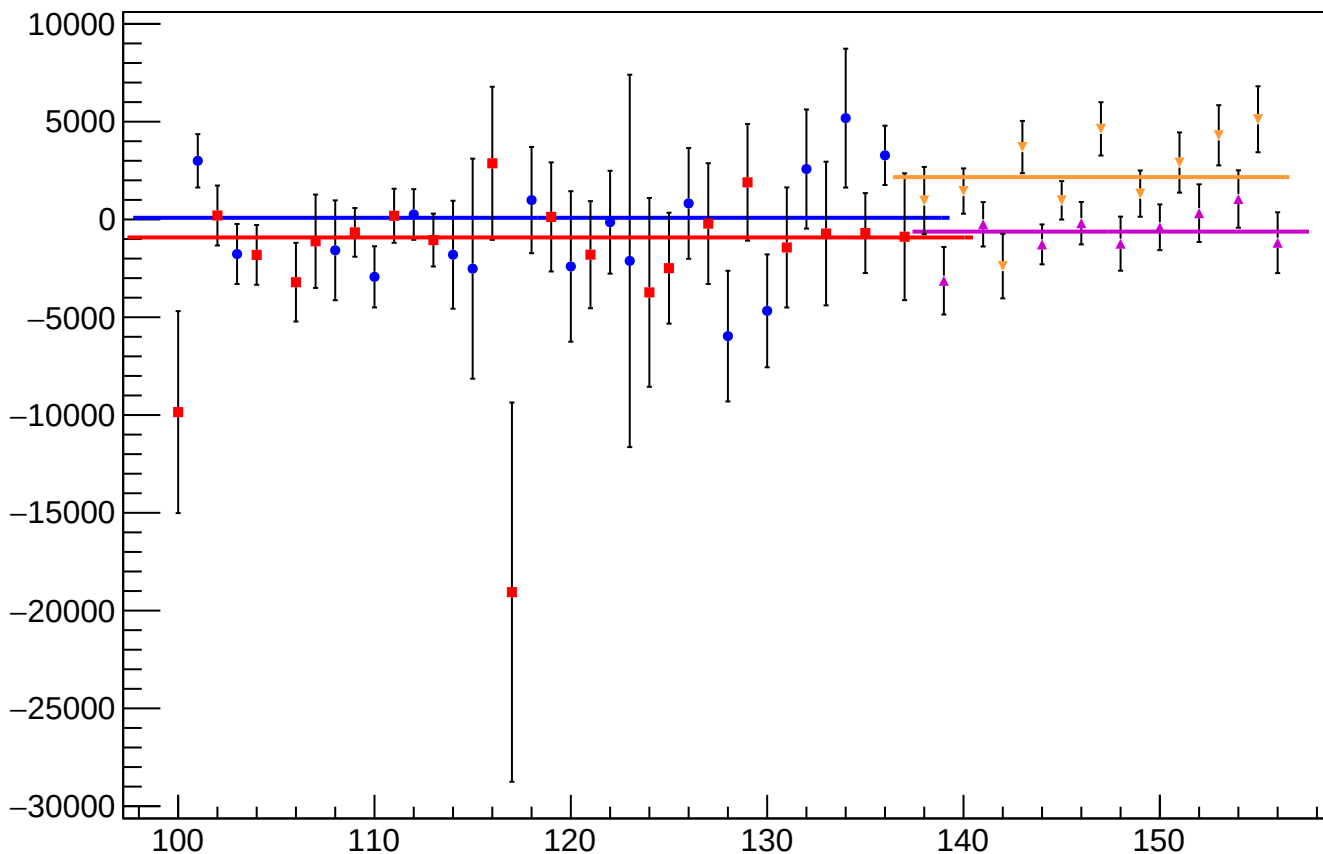
Left In: 1129.282+/-0.299 χ^2/NDF : 353190.4/8

1188.810+/-0.233 χ^2/NDF : 1734089.7/26

1177.757+/-0.162 χ^2/NDF : 3503514.5/55

1167.486+/-0.224 χ^2/NDF : 1765073.6/28

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 85.077+/-527.082 χ^2/NDF : 24.7/16

Left Out: 2166.406+/-426.645 χ^2/NDF : 20.3/9

Right Out: -919.892+/-484.043 χ^2/NDF : 12.2/19

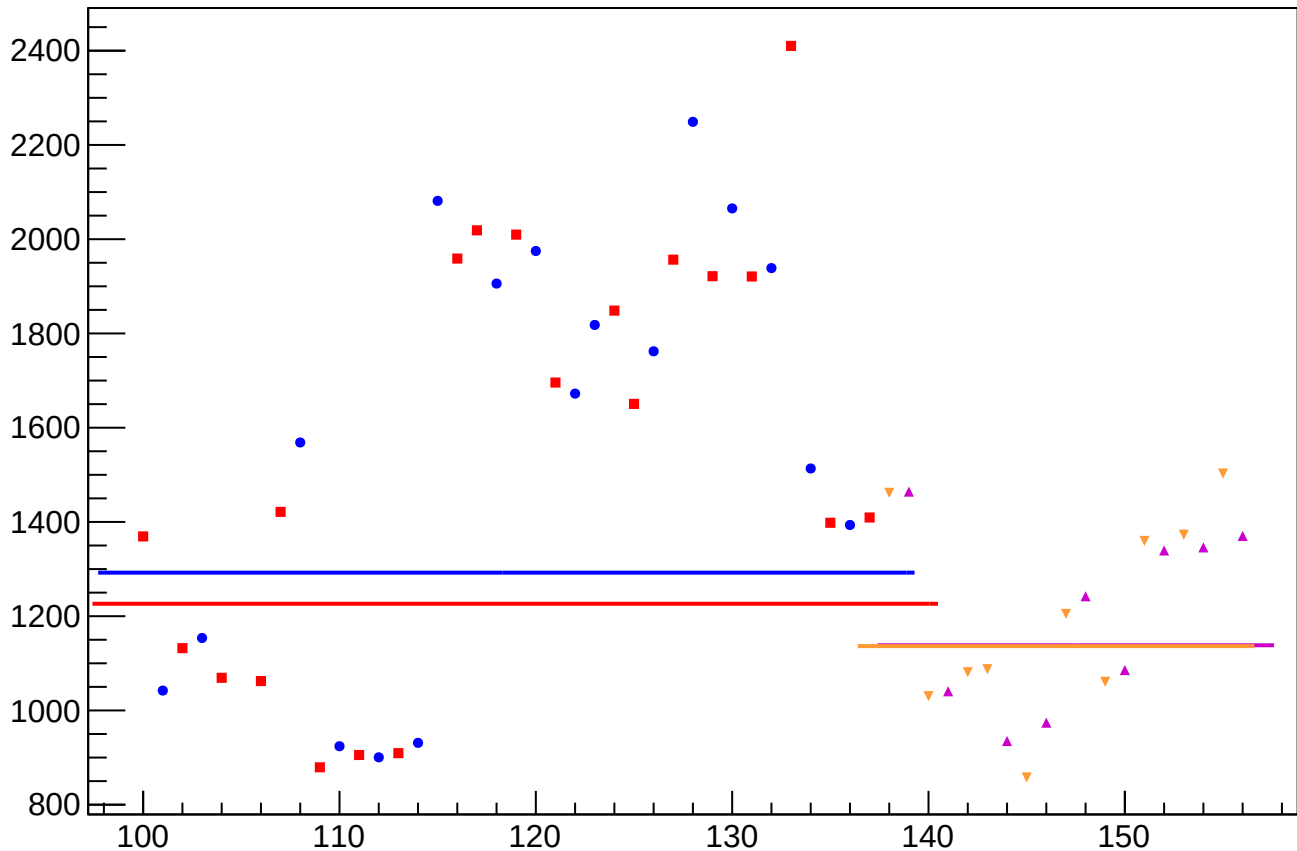
Left In: -621.296+/-425.868 χ^2/NDF : 4.9/8

1342.522+/-331.620 χ^2/NDF : 54.4/26

257.269+/-230.174 χ^2/NDF : 92.3/55

-751.581+/-319.734 χ^2/NDF : 17.3/28

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1292.426 $\pm$ 0.373 χ^2 /NDF: 1156576.0/16

Left Out: 1136.540 $\pm$ 0.302 χ^2 /NDF: 451052.8/9

Right Out: 1226.408 $\pm$ 0.342 χ^2 /NDF: 1359134.9/19

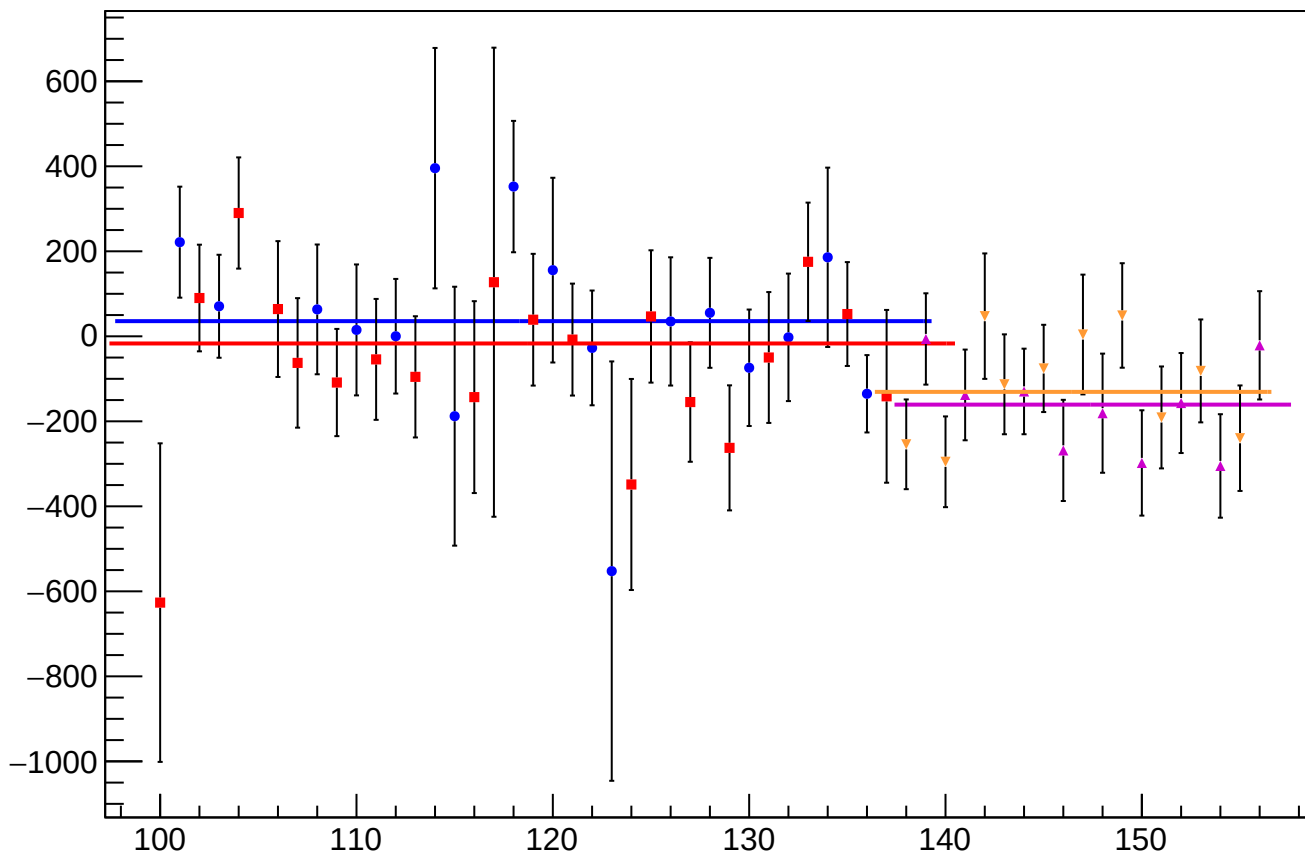
Left In: 1138.293 $\pm$ 0.301 χ^2 /NDF: 348471.7/8

1198.247 $\pm$ 0.234 χ^2 /NDF: 1713318.7/26

1187.101 $\pm$ 0.163 χ^2 /NDF: 3462643.1/55

1176.740 $\pm$ 0.226 χ^2 /NDF: 1744965.1/28

reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 35.679 $\pm$ 36.350 χ^2 /NDF: 15.3/16

Left Out: -130.729 $\pm$ 37.532 χ^2 /NDF: 9.8/9

Right Out: -16.849 $\pm$ 34.623 χ^2 /NDF: 19.0/19

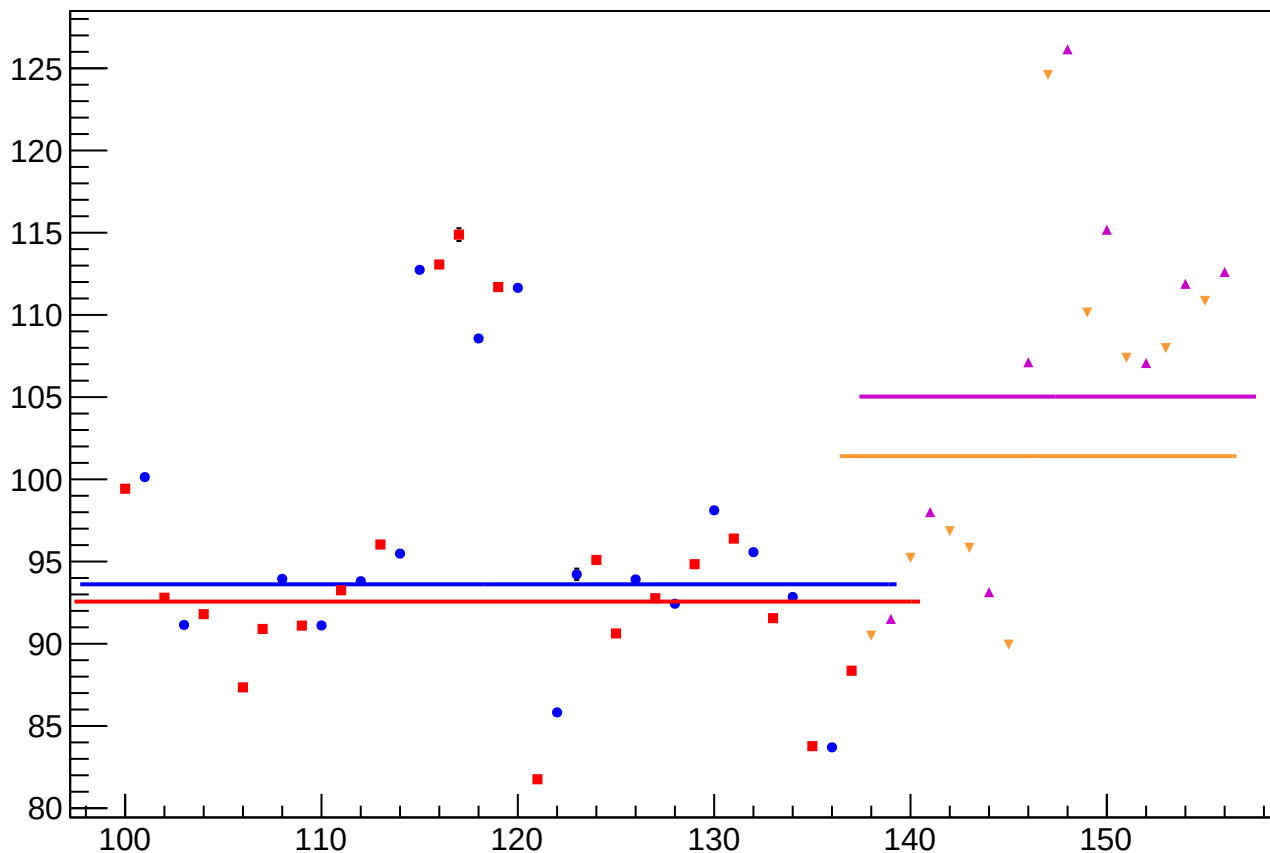
Left In: -160.723 $\pm$ 38.892 χ^2 /NDF: 6.9/8

-44.865 $\pm$ 26.111 χ^2 /NDF: 35.2/26

-62.834 $\pm$ 18.374 χ^2 /NDF: 69.6/55

-80.459 $\pm$ 25.860 χ^2 /NDF: 33.5/28

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 93.616 $\pm$ 0.026 χ^2/NDF : 79928.5/16

Left Out: 101.409 $\pm$ 0.027 χ^2/NDF : 146134.4/9

Right Out: 92.565 $\pm$ 0.024 χ^2/NDF : 81875.5/19

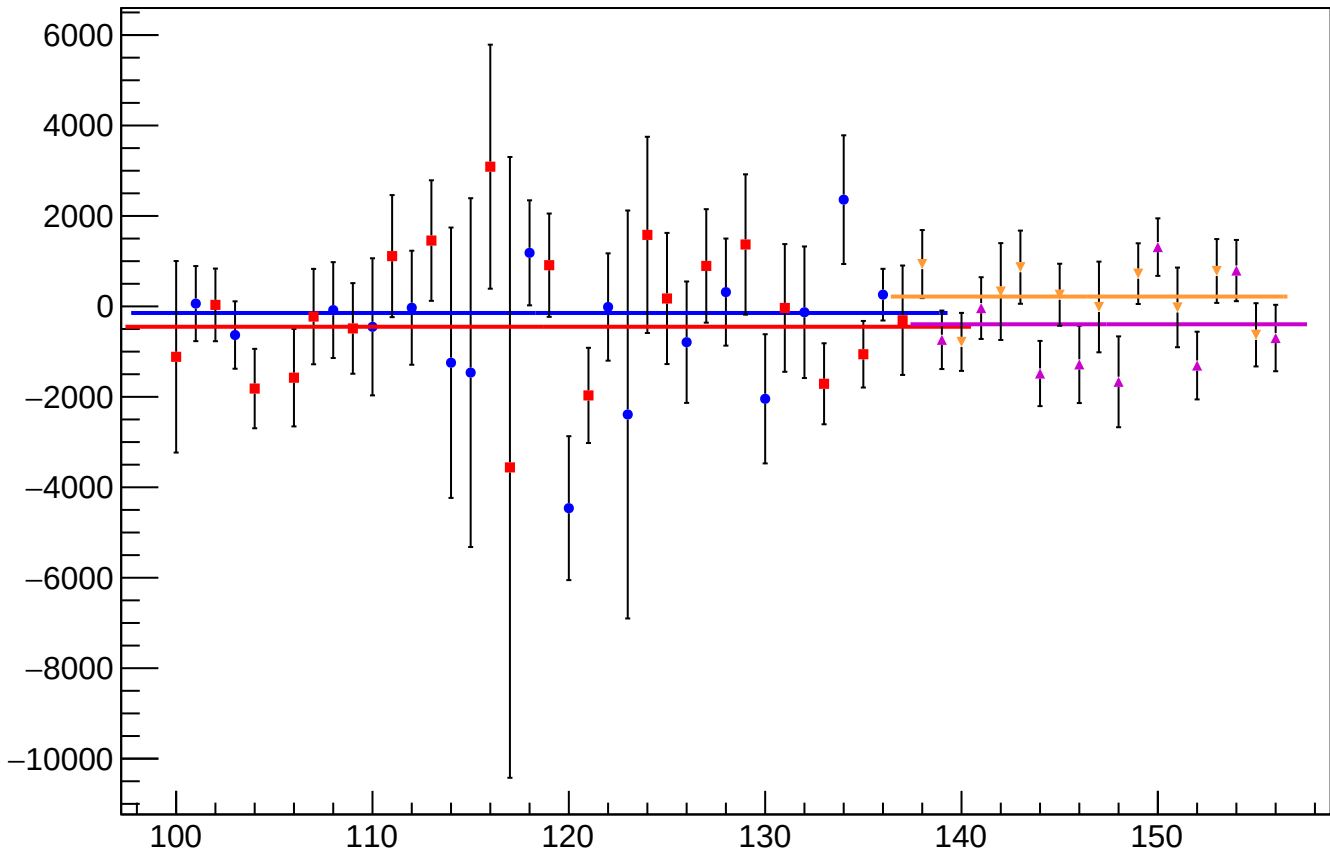
Left In: 105.031 $\pm$ 0.028 χ^2/NDF : 141743.2/8

97.388 $\pm$ 0.018 χ^2/NDF : 270550.3/26

97.736 $\pm$ 0.013 χ^2/NDF : 609497.3/55

98.077 $\pm$ 0.018 χ^2/NDF : 338244.0/28

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



Right In: -145.464 ± 276.629 $\chi^2/\text{NDF}: 15.5/16$

Left Out: 217.336 ± 240.564 $\chi^2/\text{NDF}: 6.8/9$

Right Out: -450.047 ± 260.089 $\chi^2/\text{NDF}: 19.2/19$

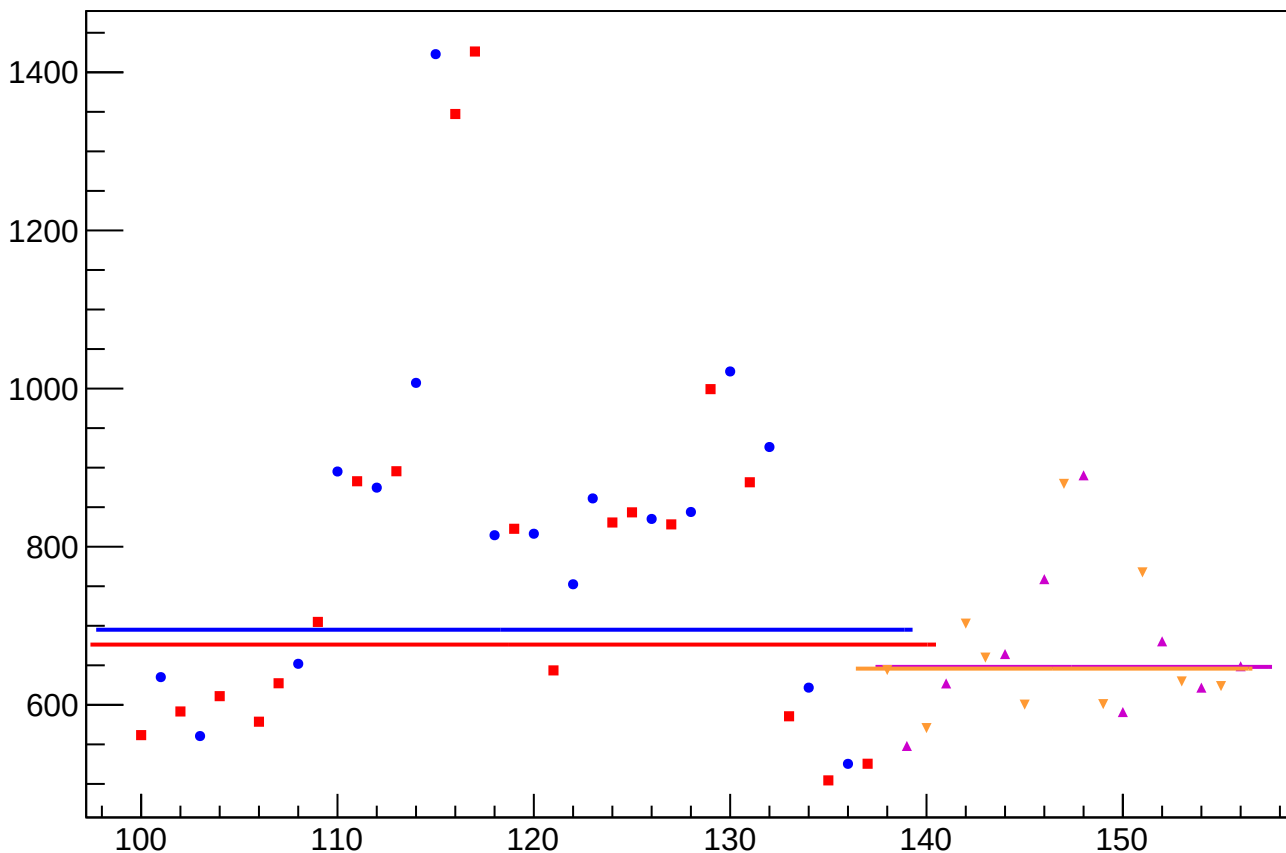
Left In: -395.487 ± 241.764 $\chi^2/\text{NDF}: 17.4/8$

61.113 ± 181.525 $\chi^2/\text{NDF}: 23.3/26$

-185.809 ± 126.756 $\chi^2/\text{NDF}: 63.5/55$

-420.778 ± 177.077 $\chi^2/\text{NDF}: 36.7/28$

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



Right In: 695.014 $\pm$ 0.196 χ^2 /NDF: 677713.0/16

Left Out: 645.821 $\pm$ 0.170 χ^2 /NDF: 201383.3/9

Right Out: 676.229 $\pm$ 0.184 χ^2 /NDF: 700313.6/19

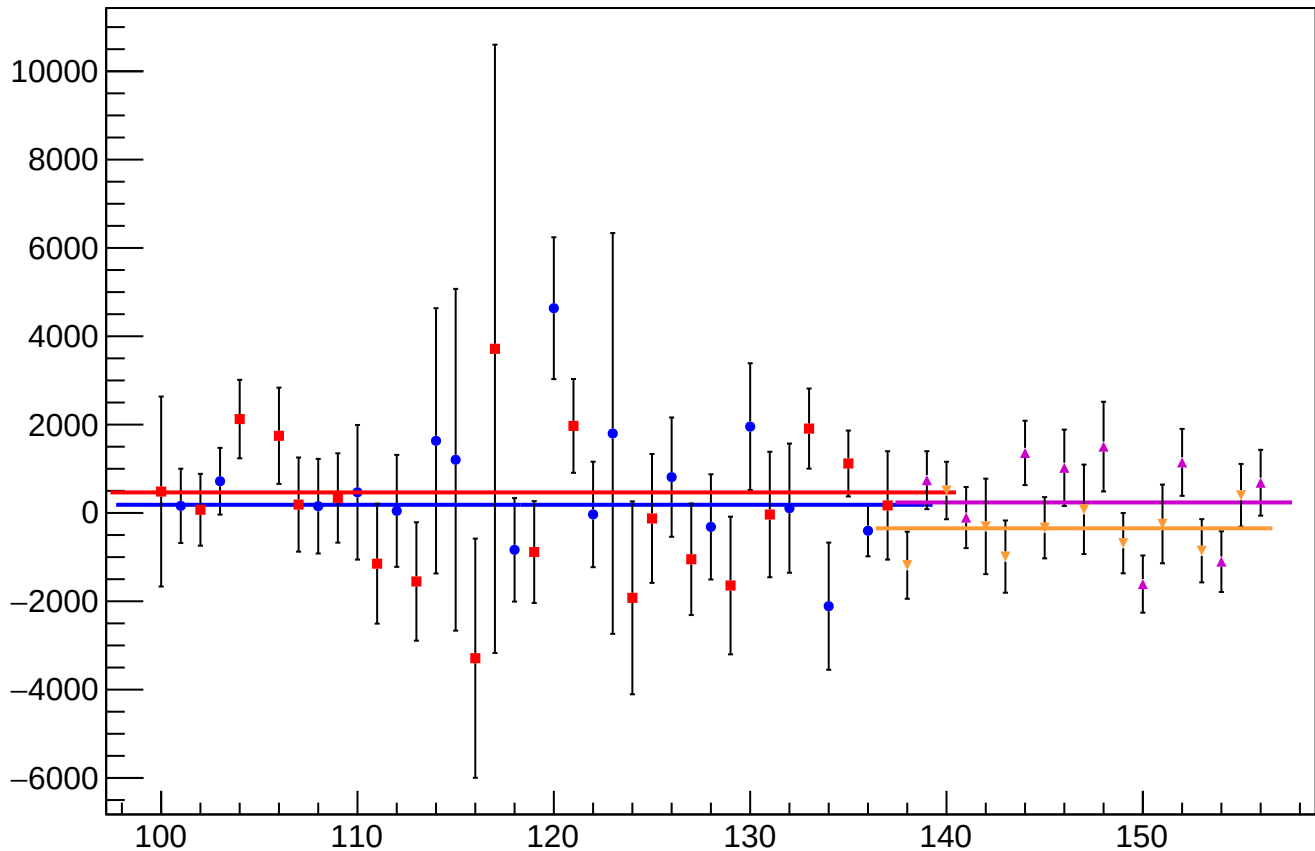
Left In: 648.023 $\pm$ 0.171 χ^2 /NDF: 223528.7/8

667.004 $\pm$ 0.128 χ^2 /NDF: 915108.5/26

663.977 $\pm$ 0.090 χ^2 /NDF: 1852655.1/55

661.097 $\pm$ 0.125 χ^2 /NDF: 936461.7/28

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 184.518 ± 279.390 χ^2/NDF : 14.9/16

Left Out: -348.098 ± 243.681 χ^2/NDF : 5.6/9

Right Out: 464.916 ± 262.768 χ^2/NDF : 22.5/19

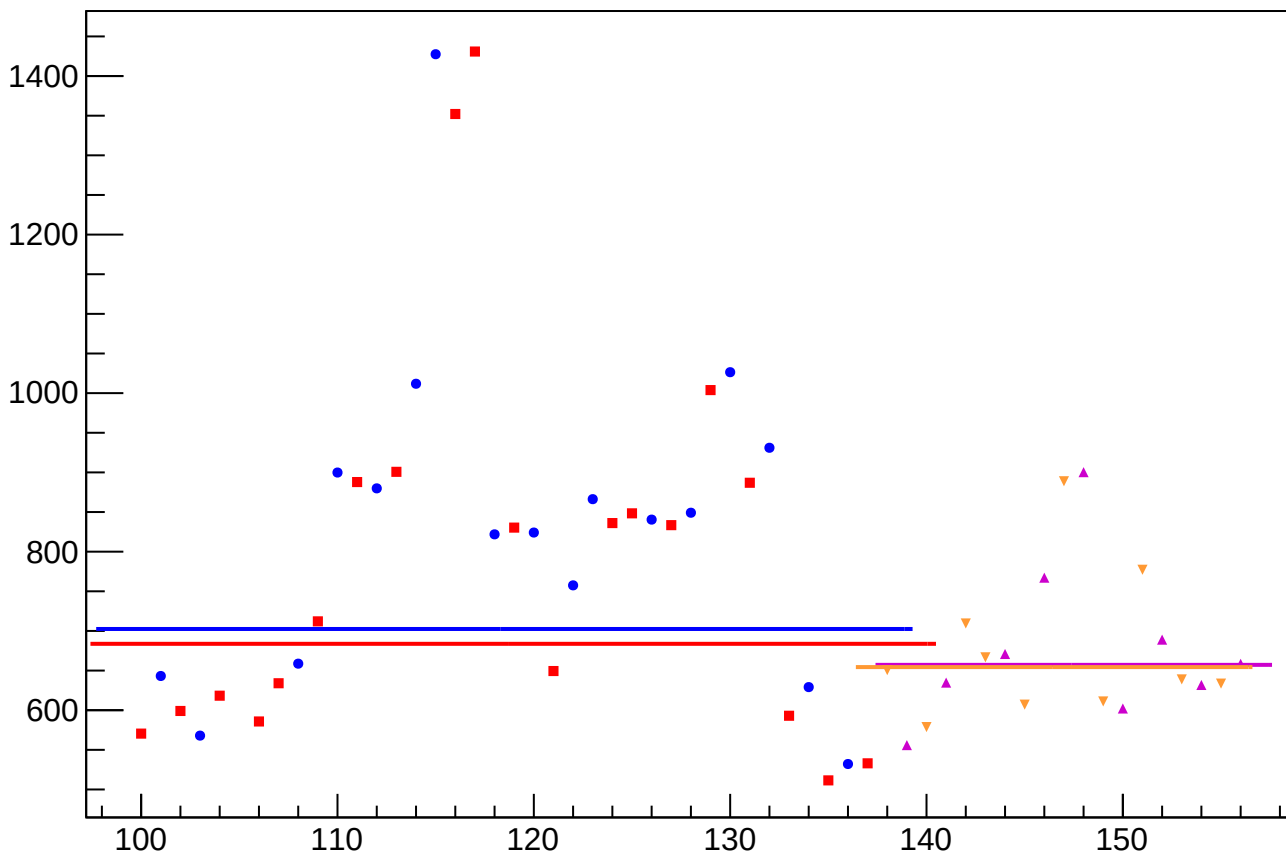
Left In: 237.843 ± 245.102 χ^2/NDF : 19.3/8

-117.982 ± 183.644 χ^2/NDF : 22.6/26

118.363 ± 128.268 χ^2/NDF : 68.0/55

343.490 ± 179.234 χ^2/NDF : 42.2/28

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 702.469+/-0.198 χ^2/NDF : 660525.4/16

Left Out: 654.397+/-0.172 χ^2/NDF : 197923.6/9

Right Out: 683.751+/-0.186 χ^2/NDF : 683105.3/19

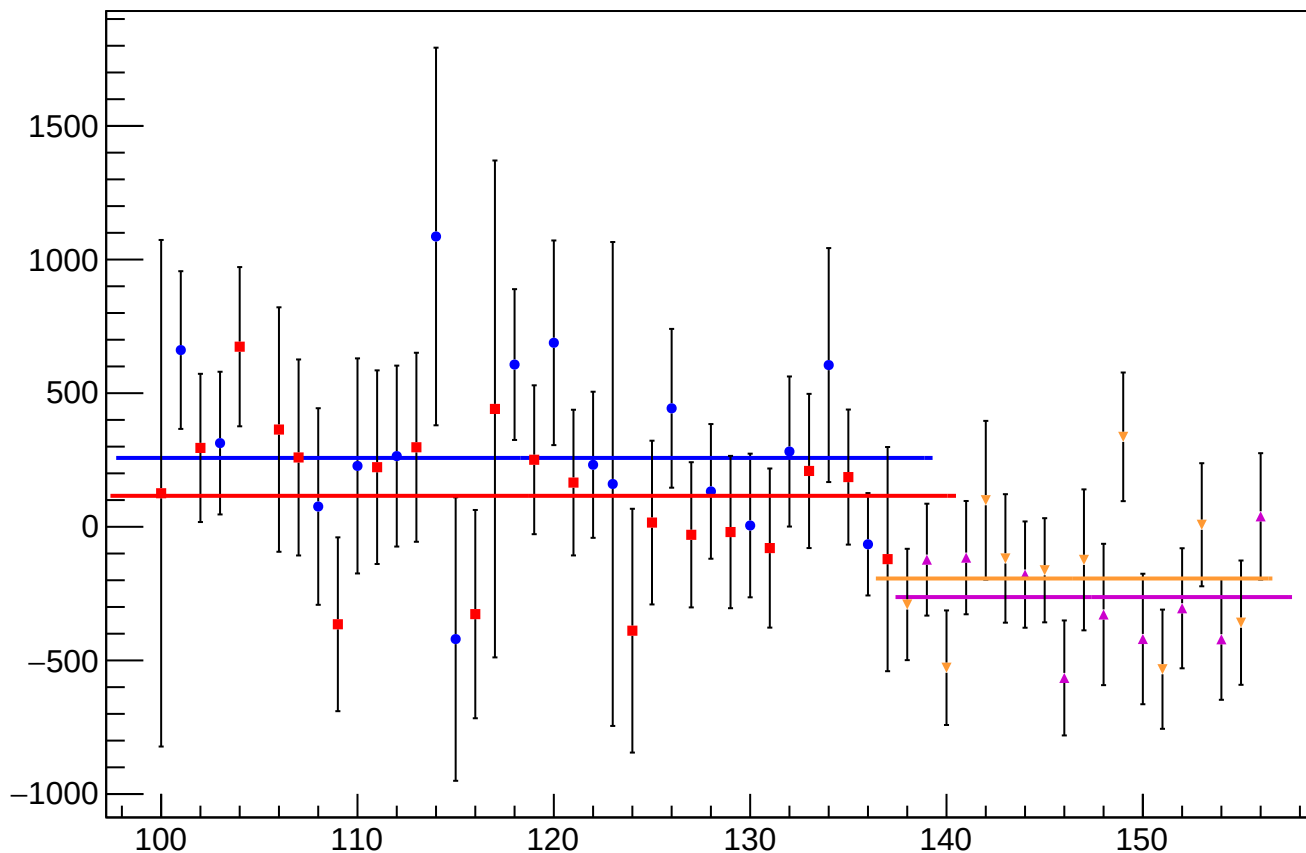
Left In: 657.208+/-0.173 χ^2/NDF : 218162.8/8

675.166+/-0.130 χ^2/NDF : 892077.0/26

672.294+/-0.091 χ^2/NDF : 1805213.7/55

669.557+/-0.127 χ^2/NDF : 912181.2/28

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 257.721 ± 75.931 $\chi^2/\text{NDF}: 13.0/16$

Left Out: -193.465 ± 72.760 $\chi^2/\text{NDF}: 12.2/9$

Right Out: 115.922 ± 73.976 $\chi^2/\text{NDF}: 11.4/19$

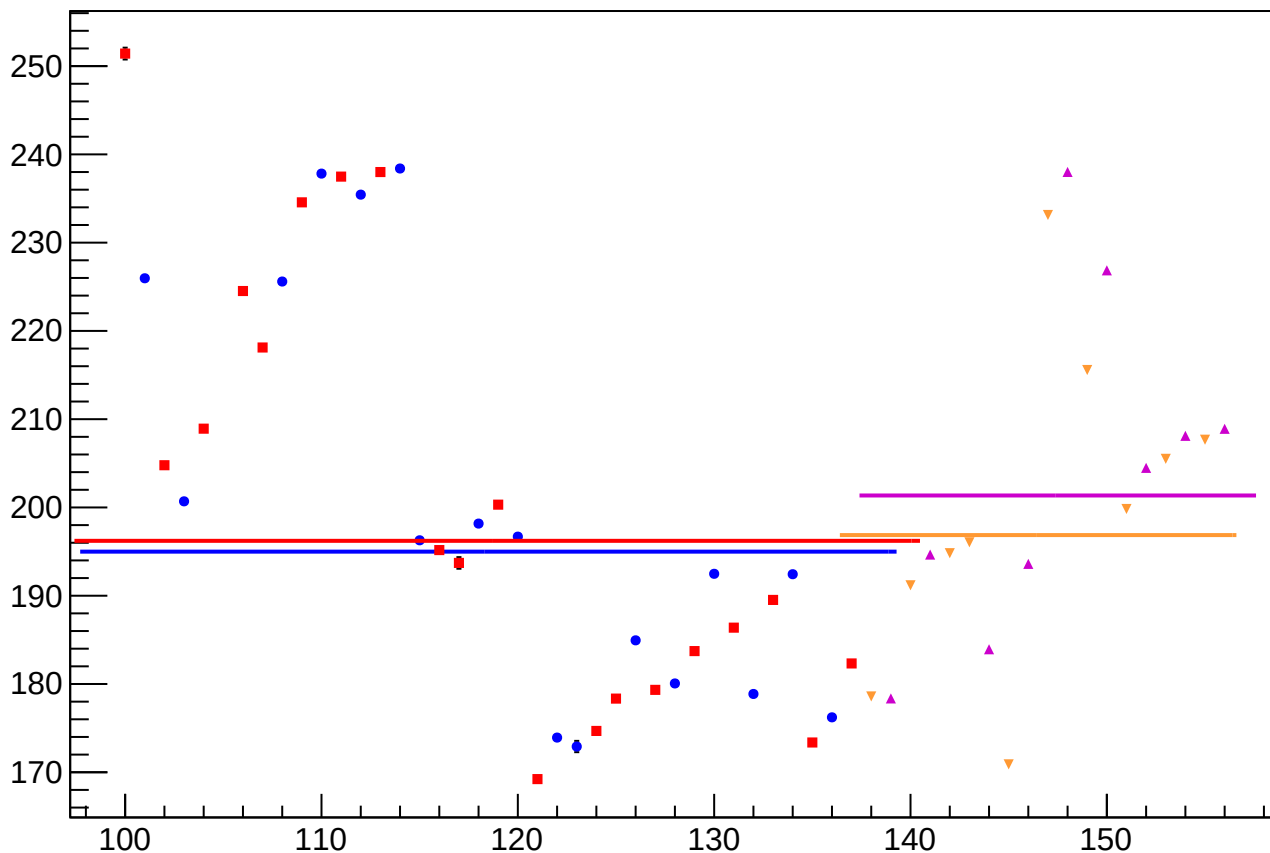
Left In: -262.947 ± 74.479 $\chi^2/\text{NDF}: 5.7/8$

22.510 ± 52.534 $\chi^2/\text{NDF}: 43.7/26$

-24.903 ± 37.130 $\chi^2/\text{NDF}: 75.4/55$

-72.228 ± 52.486 $\chi^2/\text{NDF}: 30.1/28$

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 194.994 $\pm$ 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

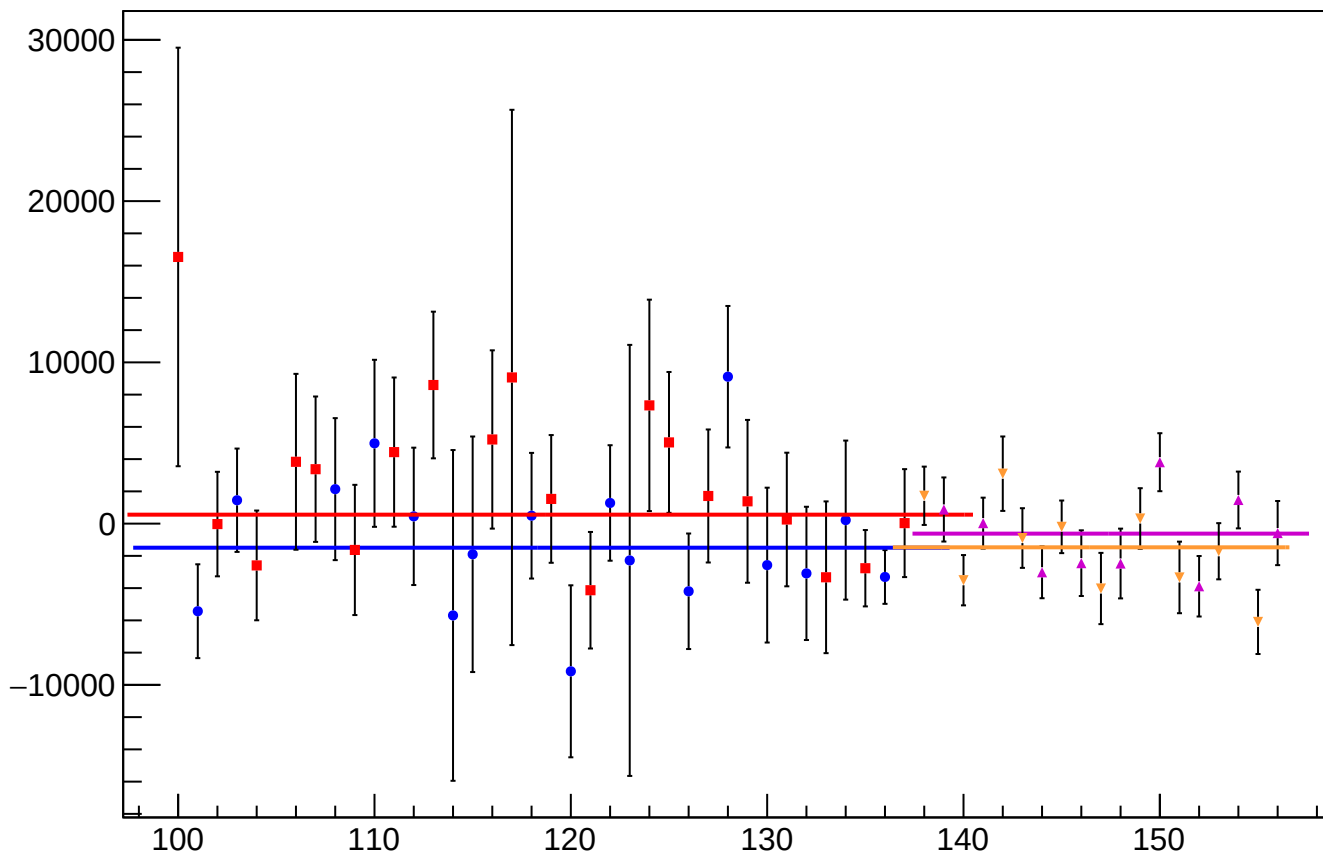
Left In: 201.356 $\pm$ 0.053 χ^2 /NDF:108536.4/8

195.972 $\pm$ 0.037 χ^2 /NDF: 254750.9/26

197.372 $\pm$ 0.026 χ^2 /NDF: 544421.9/55

198.770 $\pm$ 0.037 χ^2 /NDF: 286831.9/28

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

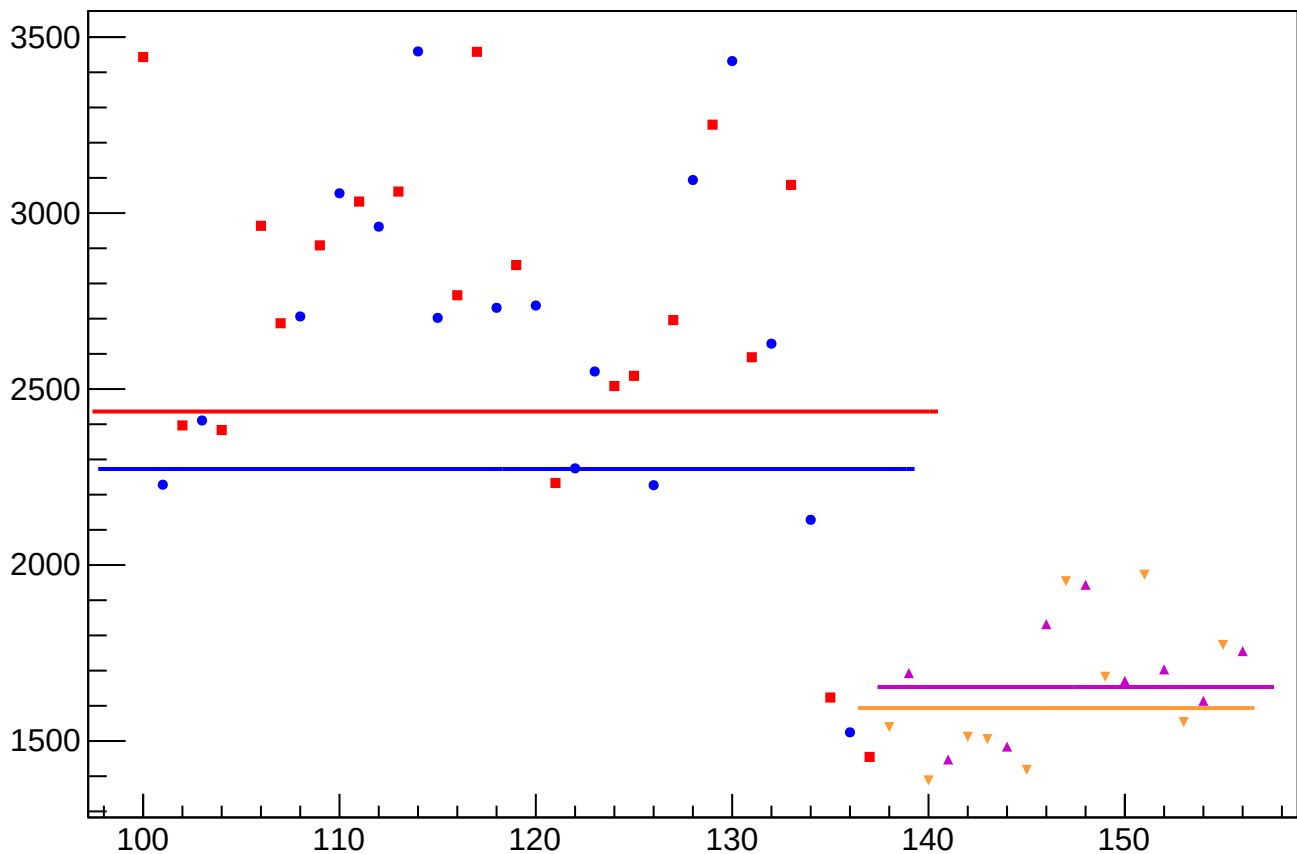
Left In: -620.511 $\pm$ 612.656 χ^2 /NDF:15.0/8

-1476.545 $\pm$ 496.838 χ^2 /NDF: 34.0/26

-889.769 $\pm$ 356.609 χ^2 /NDF: 67.9/55

-266.254 $\pm$ 512.155 χ^2 /NDF: 31.0/28

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 2272.883 $\pm$ 0.644 χ^2/NDF : 805650.3/16

Left Out: 1593.607 $\pm$ 0.419 χ^2/NDF : 199995.5/9

Right Out: 2436.191 $\pm$ 0.660 χ^2/NDF : 688391.3/19

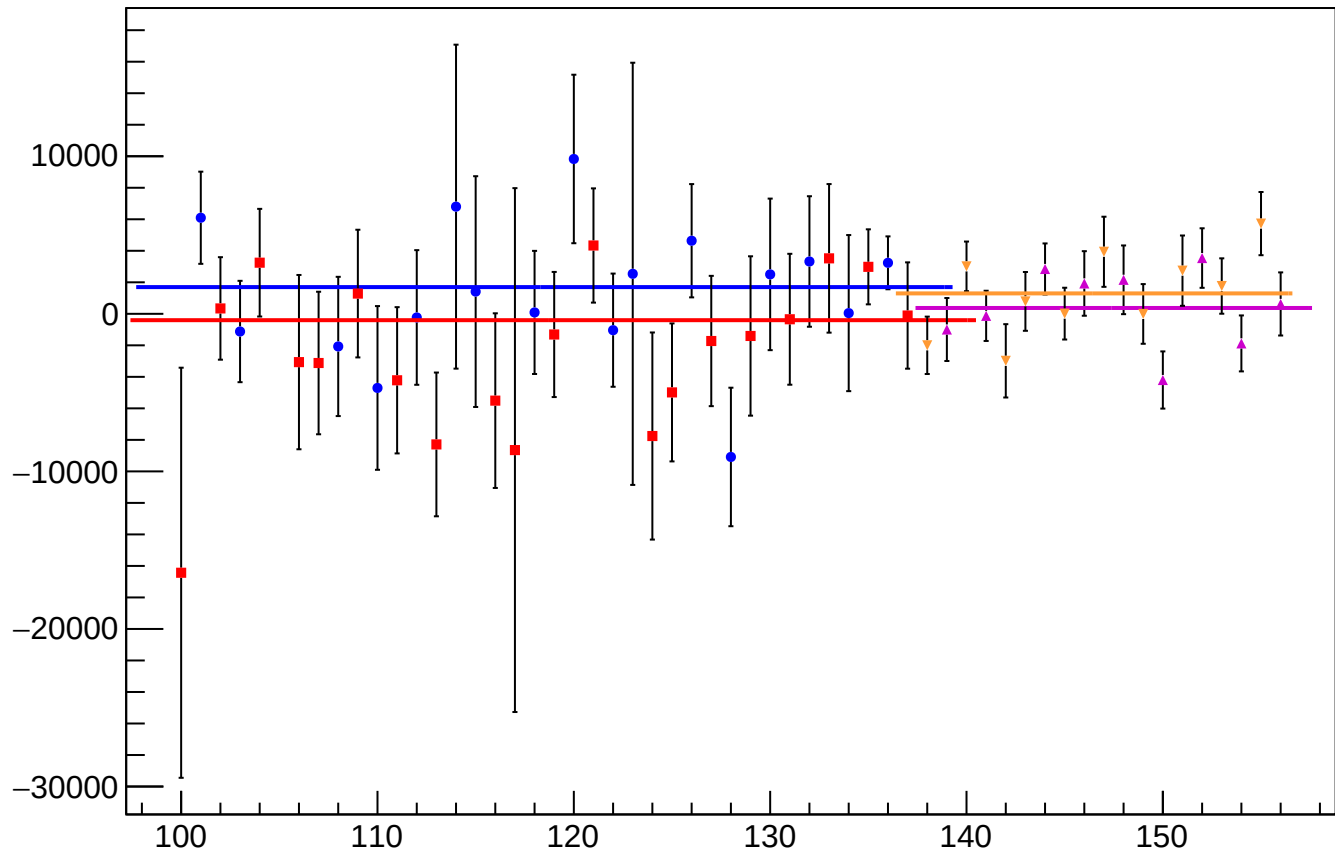
Left In: 1653.436 $\pm$ 0.433 χ^2/NDF : 116212.4/8

1795.721 $\pm$ 0.351 χ^2/NDF : 1787029.1/26

1841.033 $\pm$ 0.252 χ^2/NDF : 3609197.3/55

1889.181 $\pm$ 0.362 χ^2/NDF : 1787857.1/28

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1695.956 $\pm$ 914.855 χ^2/NDF : 16.6/16

Left Out: 1295.740 $\pm$ 597.486 χ^2/NDF : 15.8/9

Right Out: -403.904 $\pm$ 937.036 χ^2/NDF : 15.2/19

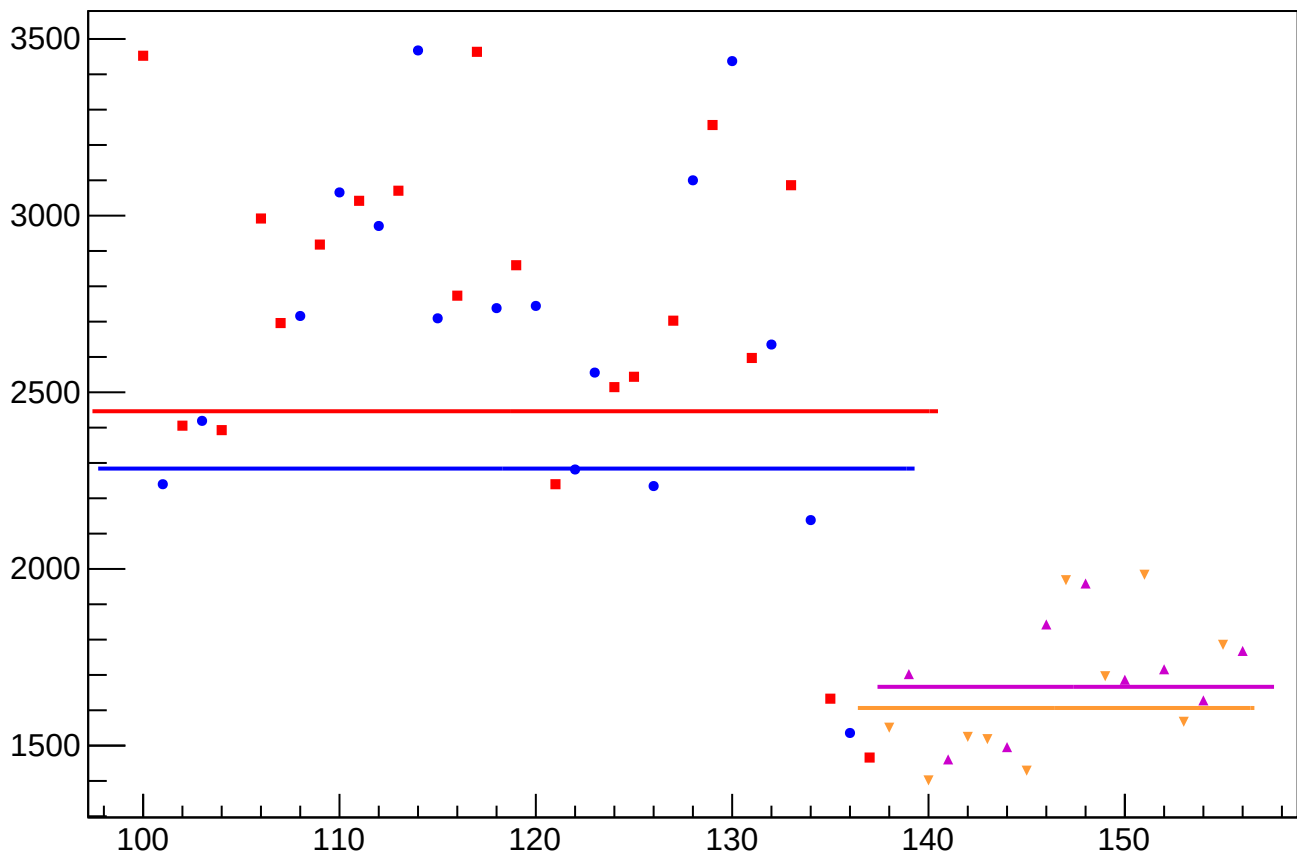
Left In: 370.835 $\pm$ 617.384 χ^2/NDF : 14.9/8

1415.404 $\pm$ 500.250 χ^2/NDF : 32.5/26

795.114 $\pm$ 359.015 χ^2/NDF : 66.3/55

136.320 $\pm$ 515.542 χ^2/NDF : 30.6/28

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2284.104 $\pm$ 0.647 χ^2 /NDF: 793993.4/16

Left Out: 1606.515 $\pm$ 0.422 χ^2 /NDF: 197402.8/9

Right Out: 2446.366 $\pm$ 0.663 χ^2 /NDF: 680413.3/19

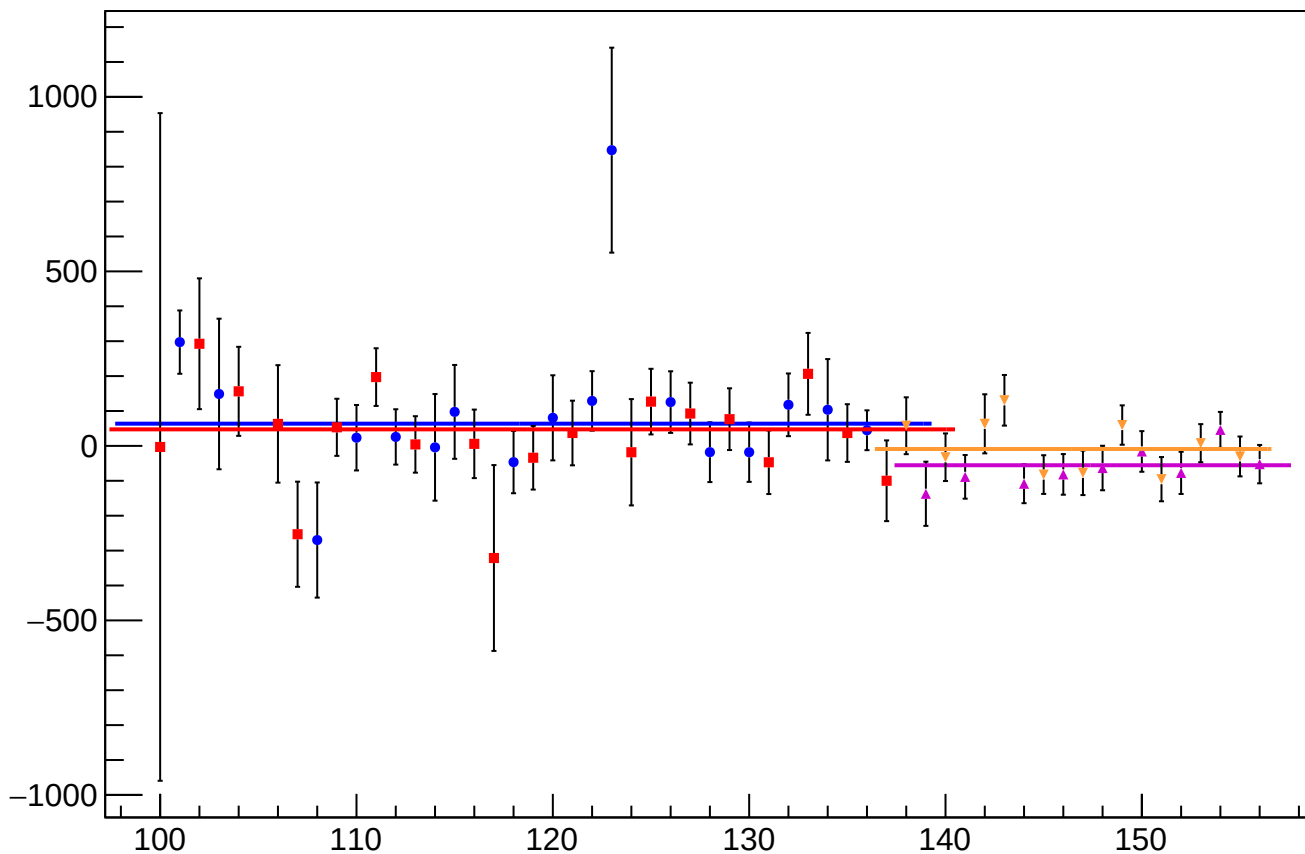
Left In: 1666.384 $\pm$ 0.437 χ^2 /NDF: 114600.8/8

1809.113 $\pm$ 0.354 χ^2 /NDF: 1760485.2/26

1854.395 $\pm$ 0.254 χ^2 /NDF: 3555574.0/55

1902.487 $\pm$ 0.365 χ^2 /NDF: 1761297.5/28

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 63.666 $\pm$ 23.743 χ^2 /NDF: 23.7/16

Left Out: -8.885 $\pm$ 20.110 χ^2 /NDF:11.7/9

Right Out: 47.367 $\pm$ 23.568 χ^2 /NDF: 18.7/19

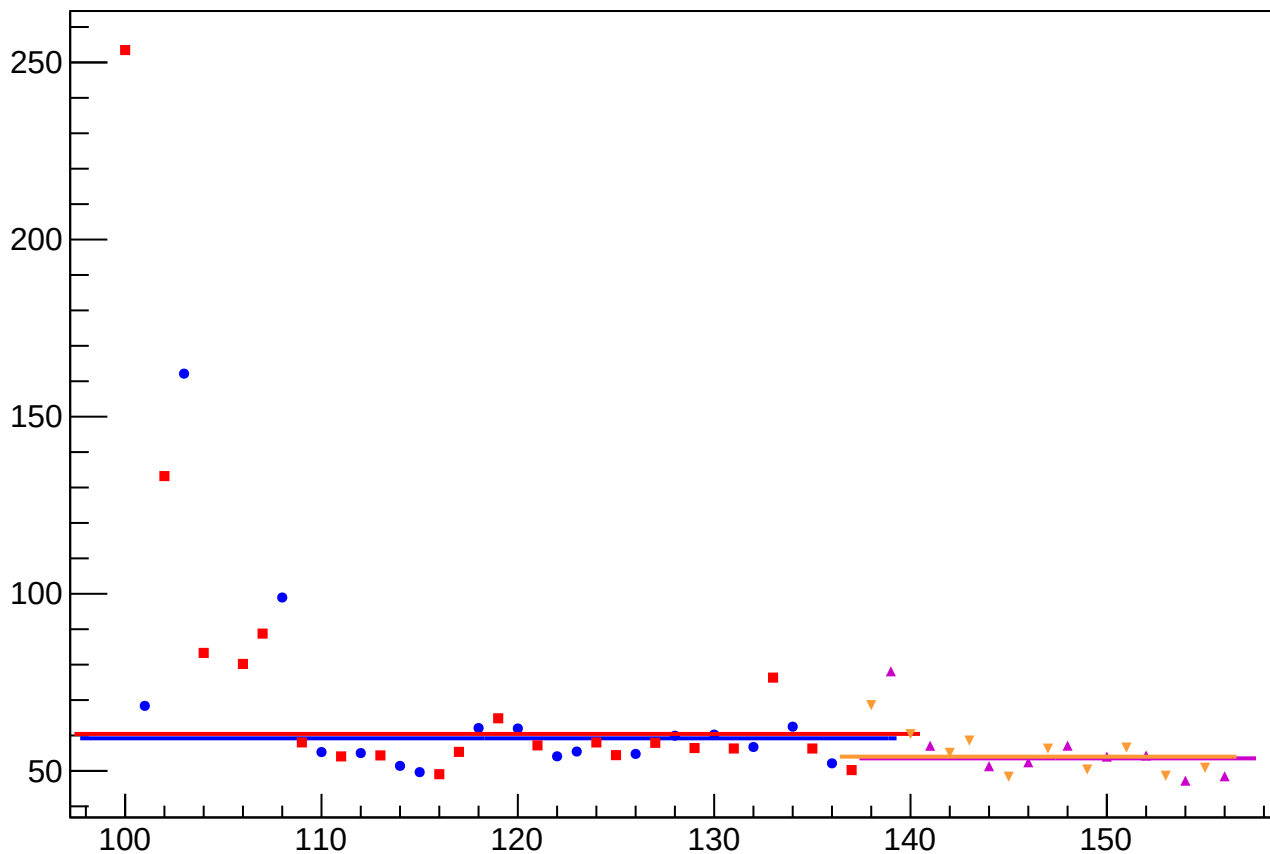
Left In: -55.448 $\pm$ 19.948 χ^2 /NDF:6.7/8

21.422 $\pm$ 15.345 χ^2 /NDF: 40.8/26

4.311 $\pm$ 10.808 χ^2 /NDF: 79.7/55

-12.535 $\pm$ 15.226 χ^2 /NDF: 36.5/28

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

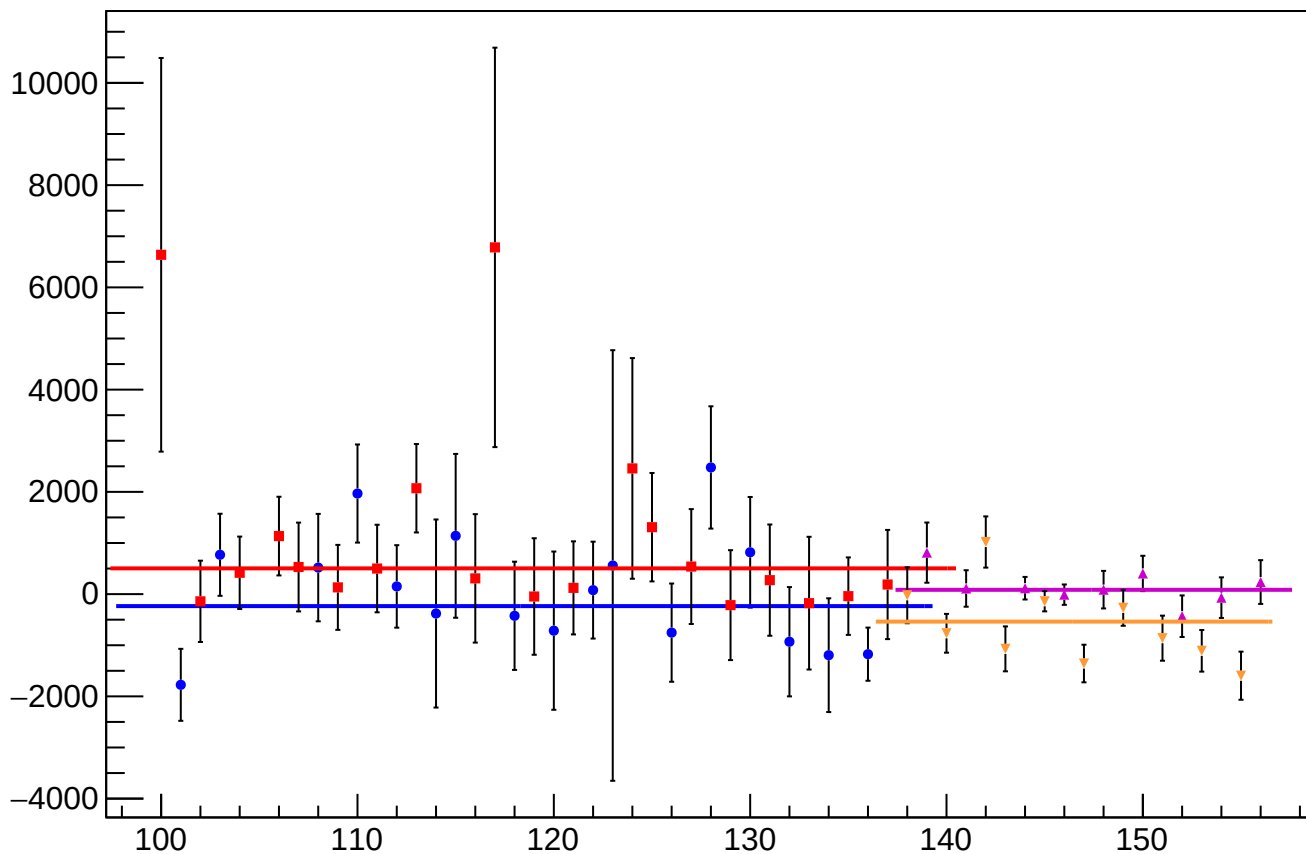
Left In: 53.540 ± 0.014 χ^2/NDF : 206898.6/8

56.188 ± 0.011 χ^2/NDF : 870391.9/26

56.306 ± 0.008 χ^2/NDF : 1858271.4/55

56.421 ± 0.011 χ^2/NDF : 987645.9/28

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -234.492 ± 233.880 χ^2/NDF : 24.2/16

Left Out: -537.937 ± 114.588 χ^2/NDF : 29.6/9

Right Out: 503.638 ± 221.955 χ^2/NDF : 13.2/19

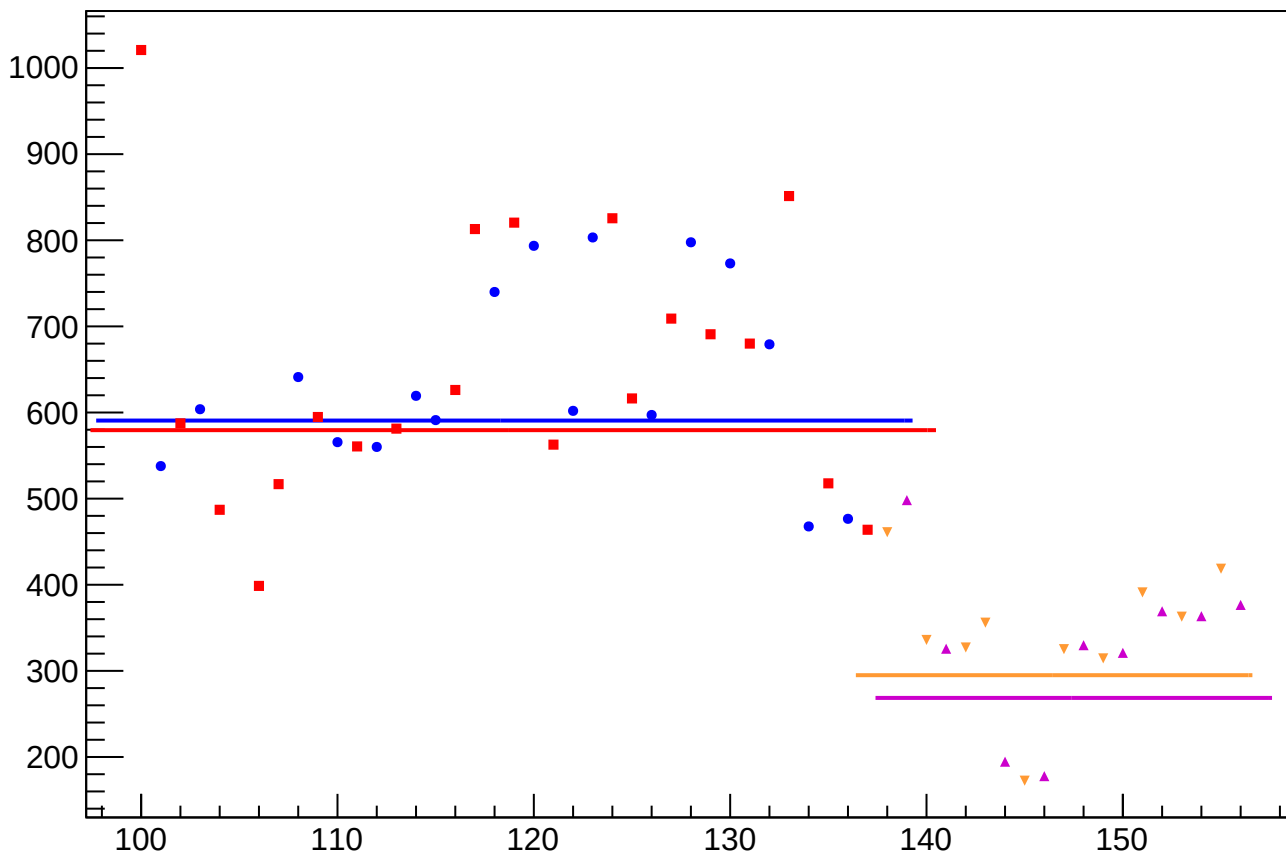
Left In: 84.163 ± 105.396 χ^2/NDF : 4.5/8

-479.197 ± 102.901 χ^2/NDF : 55.1/26

-134.086 ± 69.884 χ^2/NDF : 96.6/55

161.346 ± 95.207 χ^2/NDF : 20.6/28

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 590.659 $\pm$ 0.165 χ^2 /NDF: 352080.1/16

Left Out: 294.982 $\pm$ 0.081 χ^2 /NDF:1328599.4/9

Right Out: 579.509 $\pm$ 0.157 χ^2 /NDF: 501132.1/19

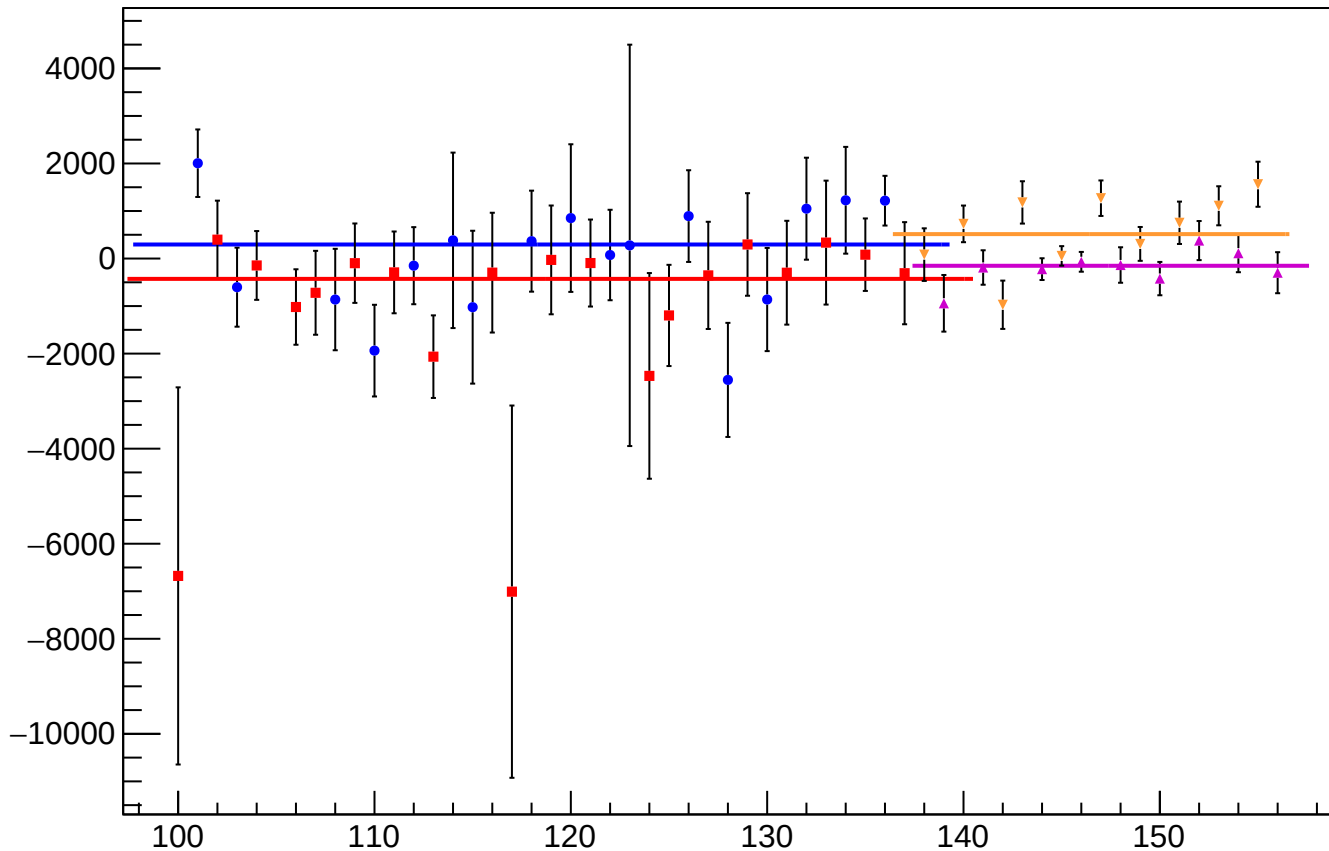
Left In: 268.601 $\pm$ 0.075 χ^2 /NDF:1460874.2/8

352.219 $\pm$ 0.073 χ^2 /NDF: 4258434.7/26

337.989 $\pm$ 0.049 χ^2 /NDF: 9493697.2/55

325.807 $\pm$ 0.067 χ^2 /NDF: 5164273.7/28

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 295.401 $\pm$ 235.860 χ^2/NDF : 26.1/16

Left Out: 513.880 $\pm$ 117.033 χ^2/NDF : 28.4/9

Right Out: -427.853 $\pm$ 224.485 χ^2/NDF : 13.8/19

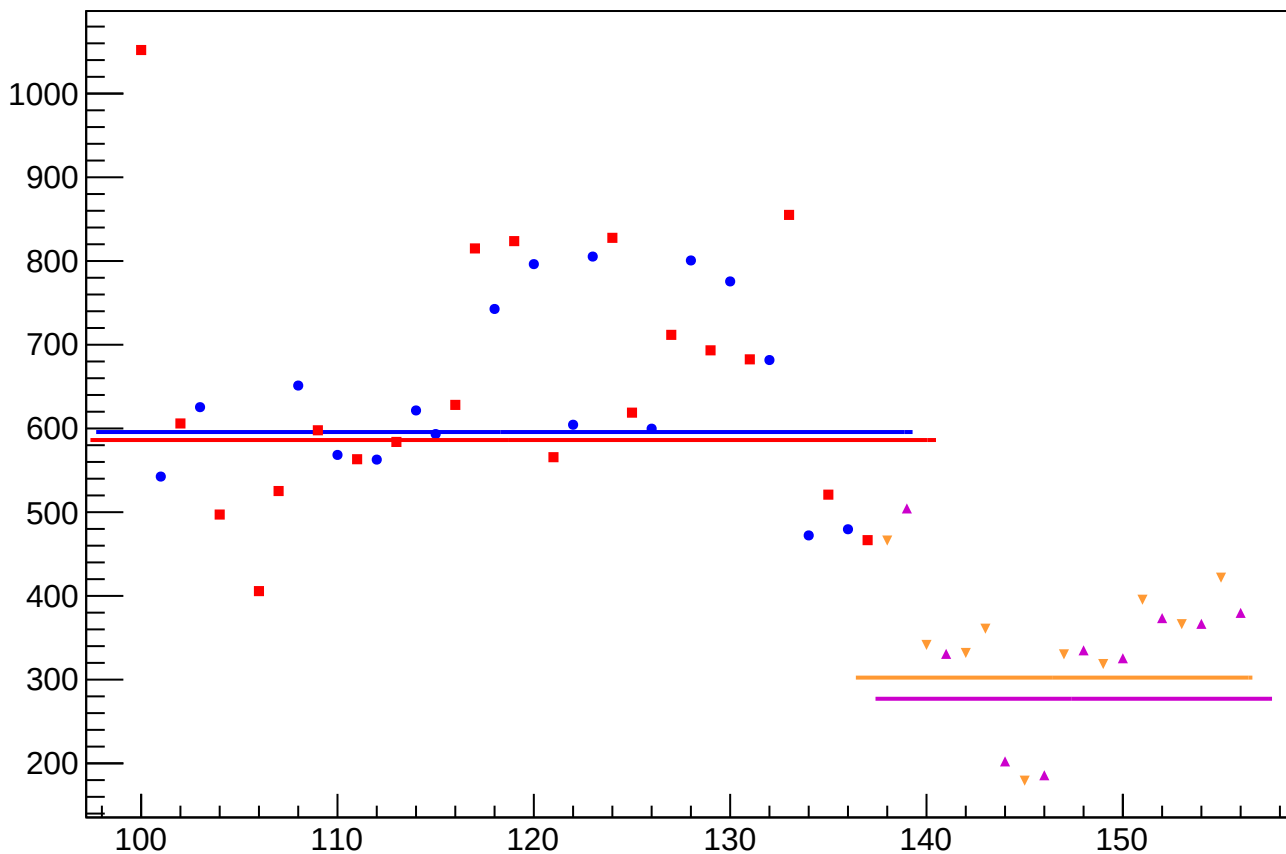
Left In: -152.222 $\pm$ 108.200 χ^2/NDF : 4.8/8

470.715 $\pm$ 104.836 χ^2/NDF : 55.2/26

108.721 $\pm$ 71.384 χ^2/NDF : 97.3/55

-204.184 $\pm$ 97.469 χ^2/NDF : 19.9/28

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 595.734+/-0.167 χ^2/NDF : 350058.2/16

Left Out: 302.410+/-0.083 χ^2/NDF : 1230440.3/9

Right Out: 586.176+/-0.159 χ^2/NDF : 481325.4/19

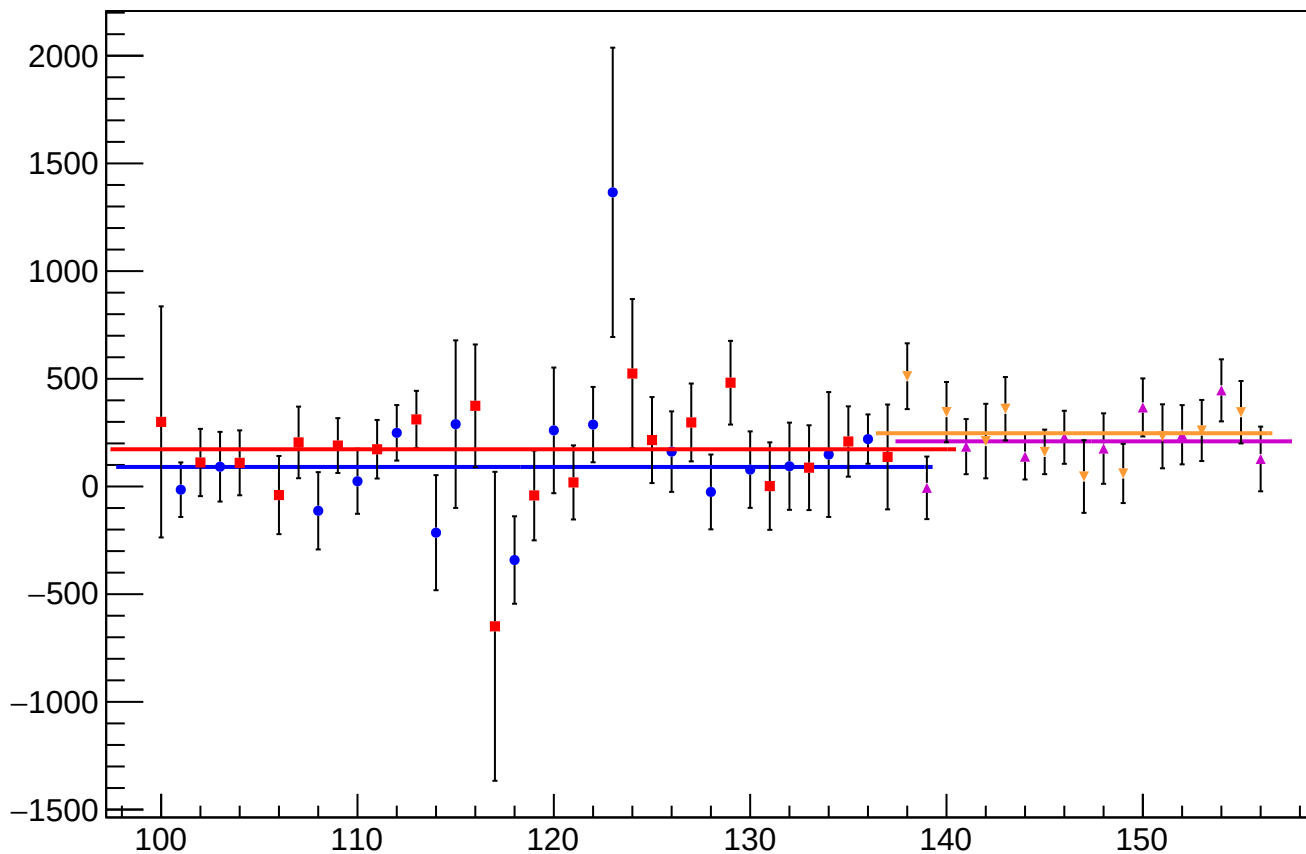
Left In: 277.151+/-0.077 χ^2/NDF : 1342400.4/8

360.361+/-0.074 χ^2/NDF : 4062615.5/26

346.978+/-0.050 χ^2/NDF : 9022628.6/55

335.409+/-0.069 χ^2/NDF : 4899243.3/28

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 90.711 $\pm$ 43.312 χ^2 /NDF: 16.9/16

Left Out: 247.300 $\pm$ 44.832 χ^2 /NDF: 8.6/9

Right Out: 172.786 $\pm$ 41.033 χ^2 /NDF: 11.6/19

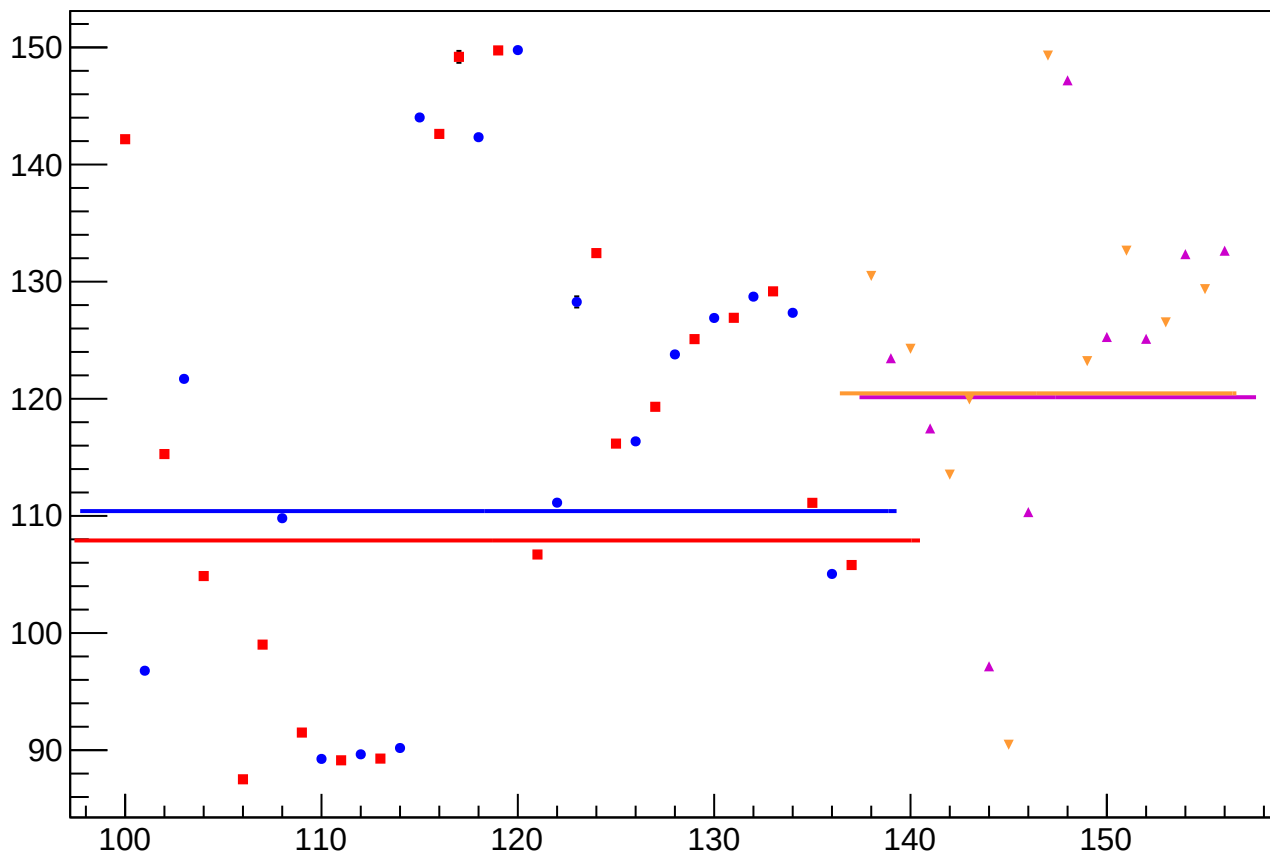
Left In: 209.598 $\pm$ 44.654 χ^2 /NDF: 7.2/8

166.306 $\pm$ 31.150 χ^2 /NDF: 31.8/26

178.328 $\pm$ 21.688 χ^2 /NDF: 51.2/55

189.639 $\pm$ 30.214 χ^2 /NDF: 19.2/28

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 110.411 $\pm$ 0.031 χ^2 /NDF: 296425.4/16

Left Out: 120.463 $\pm$ 0.032 χ^2 /NDF: 265355.9/9

Right Out: 107.903 $\pm$ 0.029 χ^2 /NDF: 351091.4/19

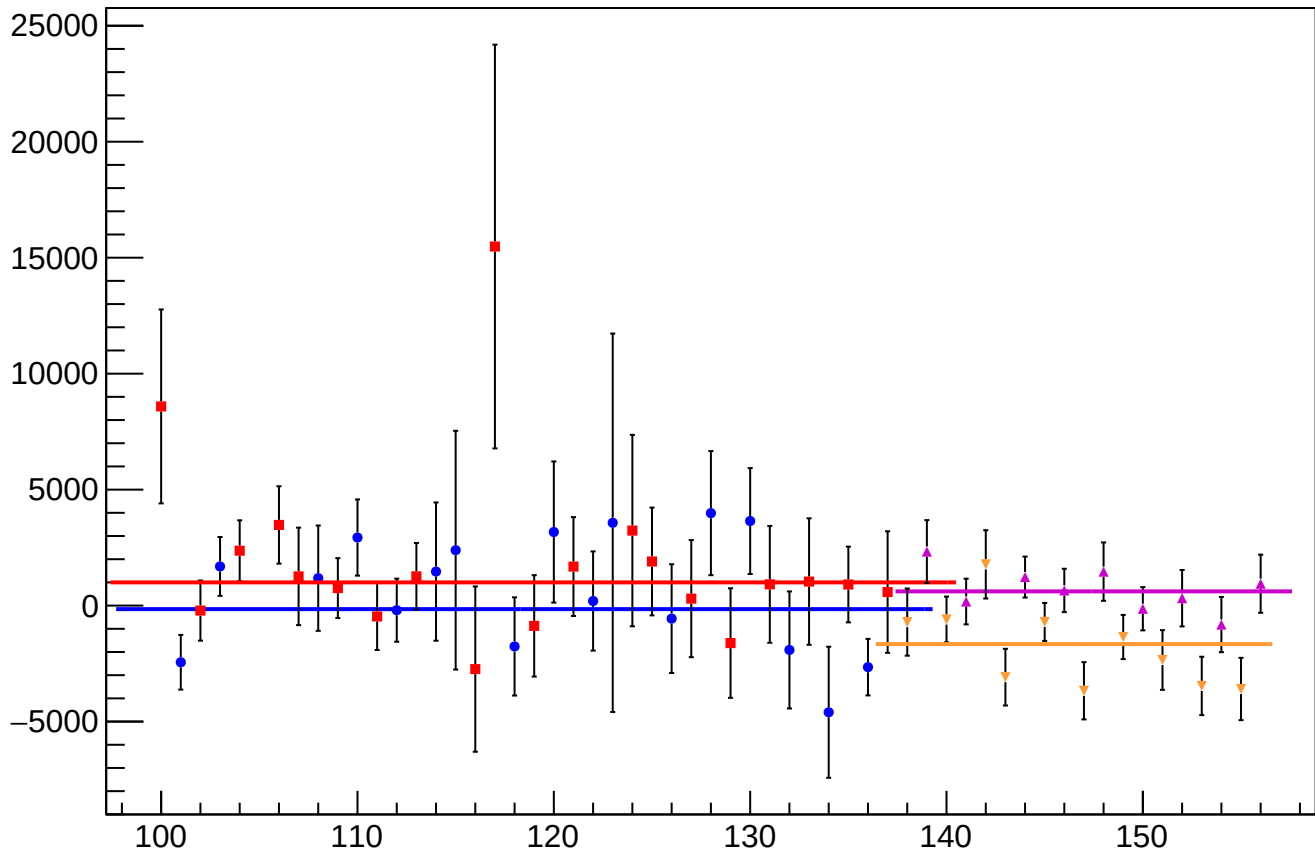
Left In: 120.133 $\pm$ 0.032 χ^2 /NDF: 197268.8/8

115.264 $\pm$ 0.022 χ^2 /NDF: 613787.4/26

114.356 $\pm$ 0.015 χ^2 /NDF: 1246783.9/55

113.503 $\pm$ 0.021 χ^2 /NDF: 629701.1/28

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -152.403 $\pm$ 464.753 χ^2/NDF : 24.7/16

Left Out: -1660.650 $\pm$ 360.894 χ^2/NDF : 16.9/9

Right Out: 1000.907 $\pm$ 434.569 χ^2/NDF : 15.1/19

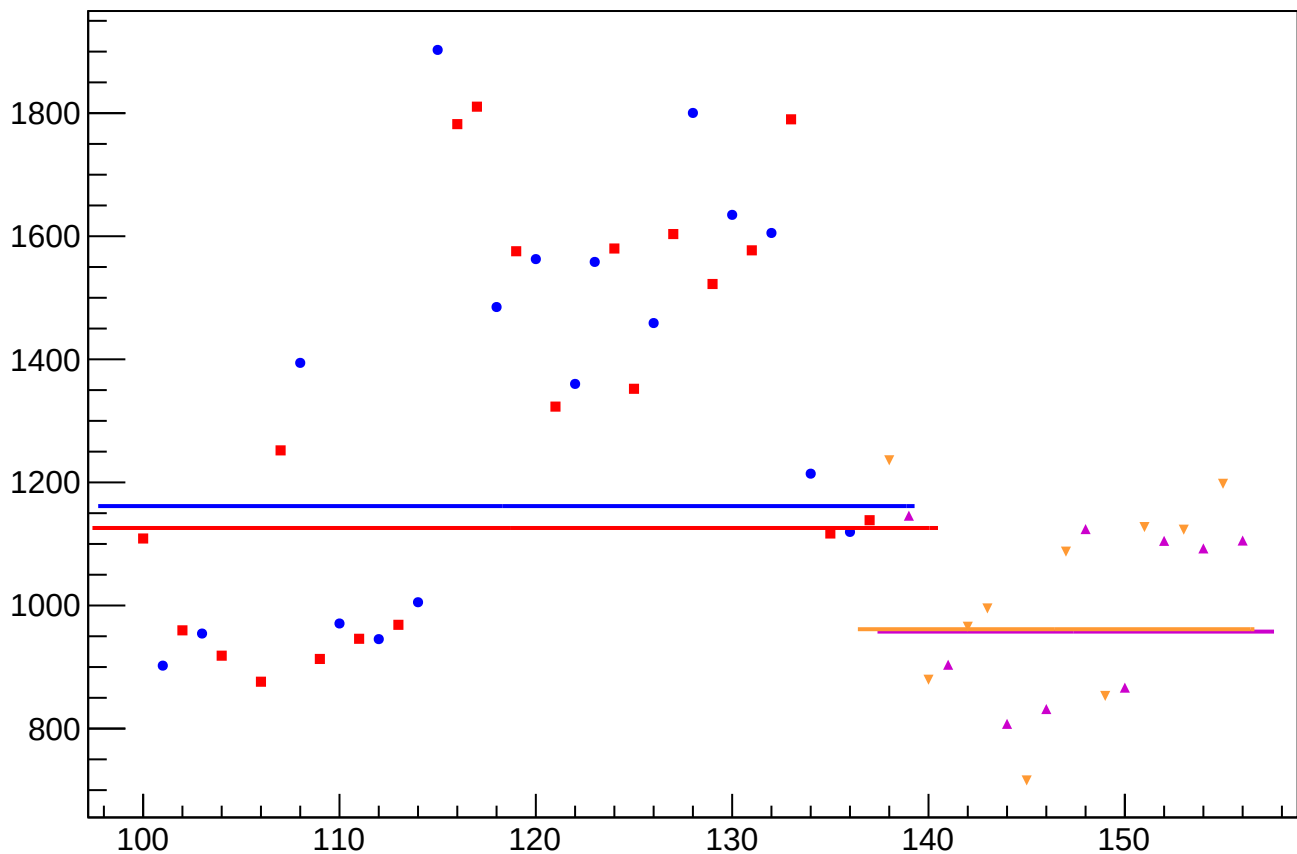
Left In: 612.963 $\pm$ 357.978 χ^2/NDF : 5.0/8

-1093.294 $\pm$ 285.045 χ^2/NDF : 48.2/26

-132.746 $\pm$ 198.394 χ^2/NDF : 90.7/55

769.791 $\pm$ 276.304 χ^2/NDF : 20.5/28

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 1161.530 $\pm$ 0.329 χ^2/NDF : 695906.9/16

Left Out: 961.466 $\pm$ 0.255 χ^2/NDF : 442664.9/9

Right Out: 1125.946 $\pm$ 0.307 χ^2/NDF : 780195.3/19

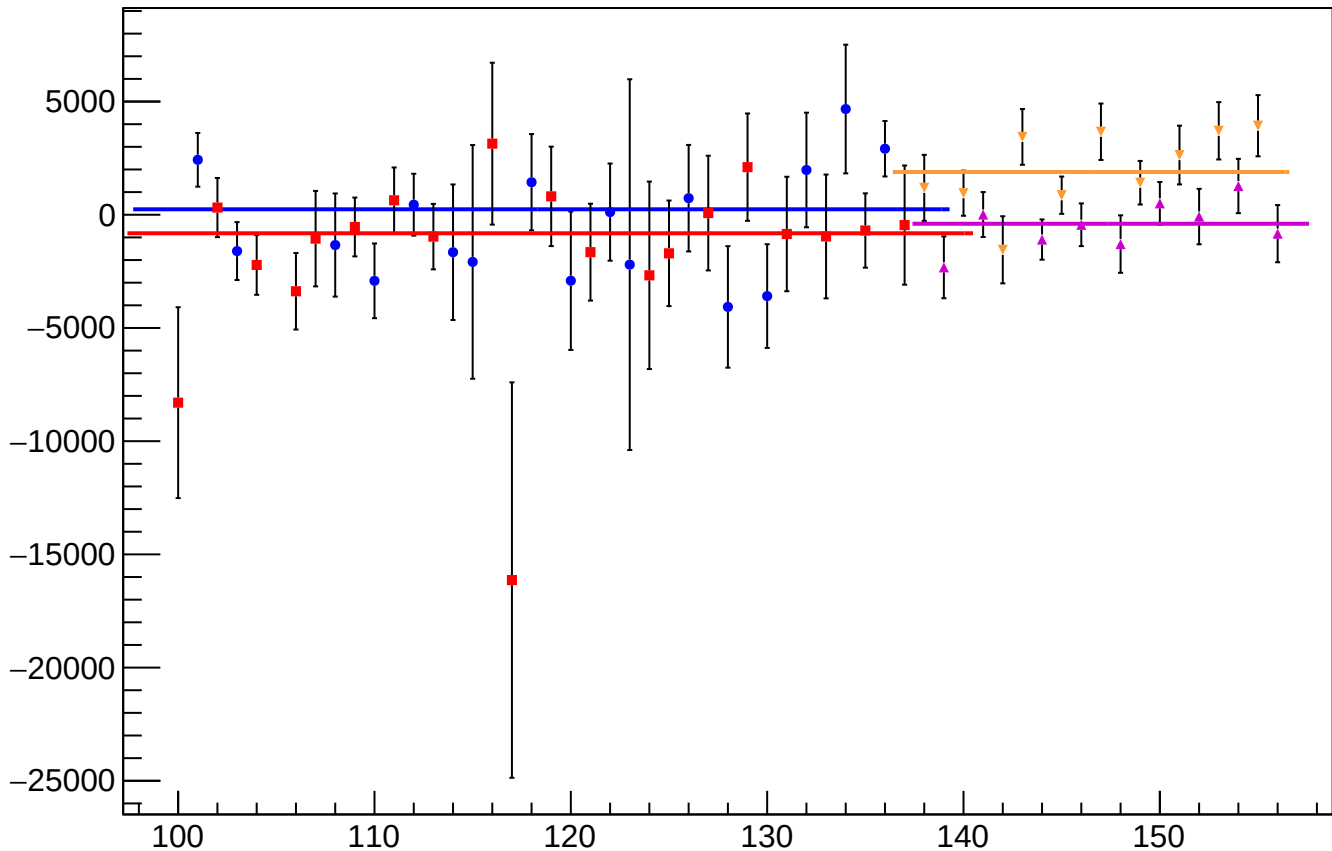
Left In: 957.589 $\pm$ 0.253 χ^2/NDF : 275608.8/8

1036.724 $\pm$ 0.202 χ^2/NDF : 1369773.6/26

1031.014 $\pm$ 0.140 χ^2/NDF : 2605961.9/55

1025.648 $\pm$ 0.195 χ^2/NDF : 1234631.4/28

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 240.732 $\pm$ 467.036 χ^2/NDF : 24.8/16

Left Out: 1890.040 $\pm$ 363.845 χ^2/NDF : 16.6/9

Right Out: -817.635 $\pm$ 436.939 χ^2/NDF : 15.4/19

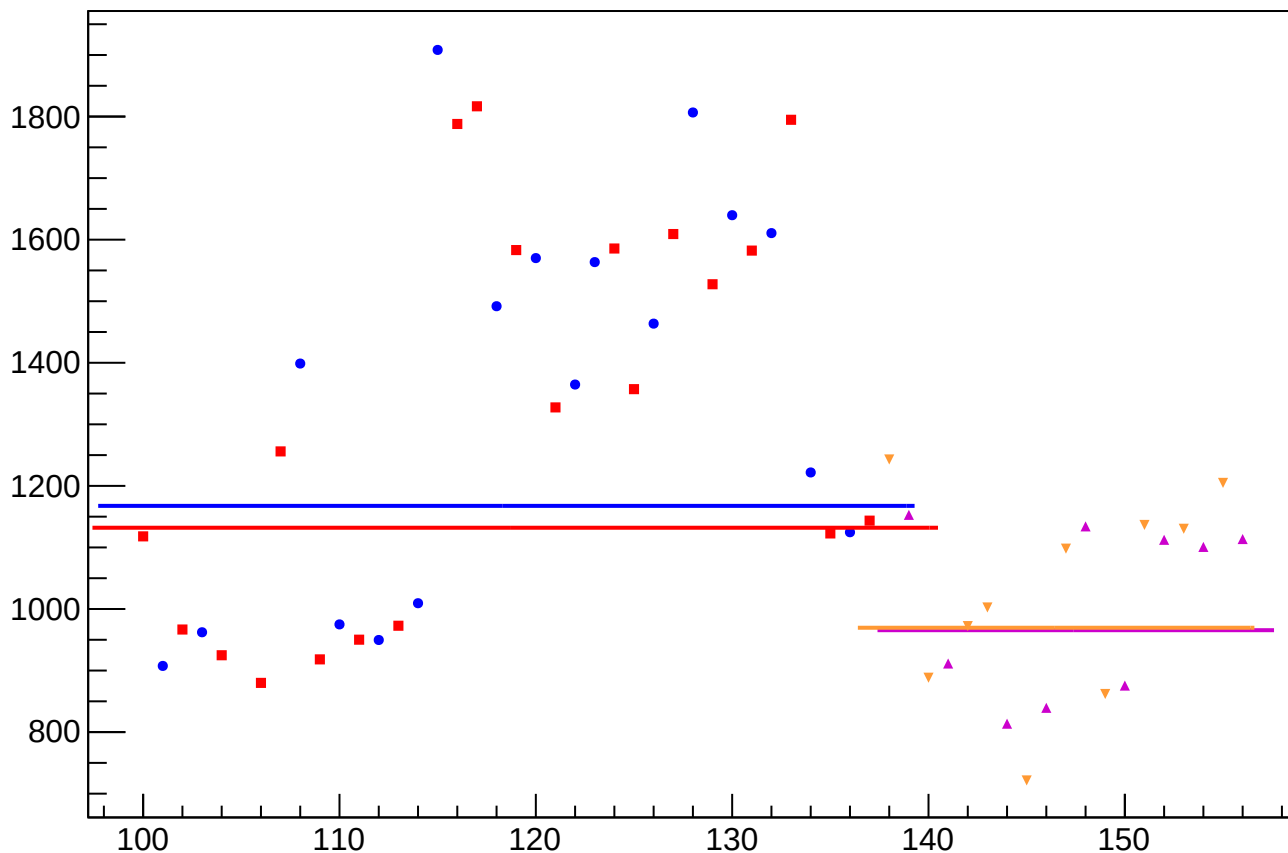
Left In: -397.320 $\pm$ 360.896 χ^2/NDF : 6.3/8

1267.110 $\pm$ 287.025 χ^2/NDF : 49.2/26

321.204 $\pm$ 199.784 χ^2/NDF : 92.5/55

-567.777 $\pm$ 278.254 χ^2/NDF : 22.3/28

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1167.539 $\pm$ 0.330 χ^2/NDF : 690485.6/16

Left Out: 969.546 $\pm$ 0.257 χ^2/NDF : 438588.9/9

Right Out: 1132.019 $\pm$ 0.309 χ^2/NDF : 773827.8/19

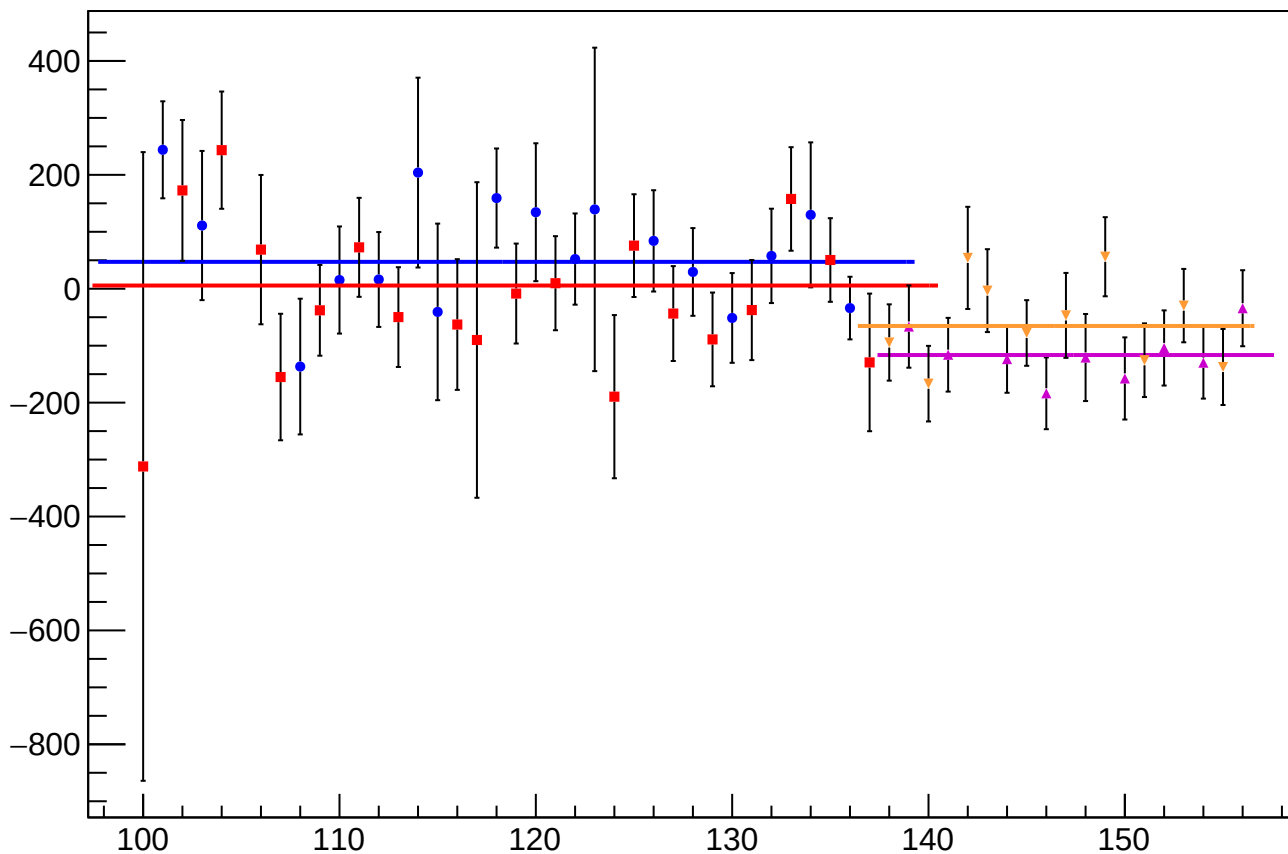
Left In: 965.563 $\pm$ 0.255 χ^2/NDF : 273077.5/8

1044.326 $\pm$ 0.203 χ^2/NDF : 1352757.5/26

1038.523 $\pm$ 0.141 χ^2/NDF : 2573795.4/55

1033.069 $\pm$ 0.197 χ^2/NDF : 1219451.8/28

reg_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 47.220+/-22.565 χ^2/NDF : 16.1/16

Left Out: -65.372+/-21.540 χ^2/NDF : 10.5/9

Right Out: 5.636+/-22.057 χ^2/NDF : 20.4/19

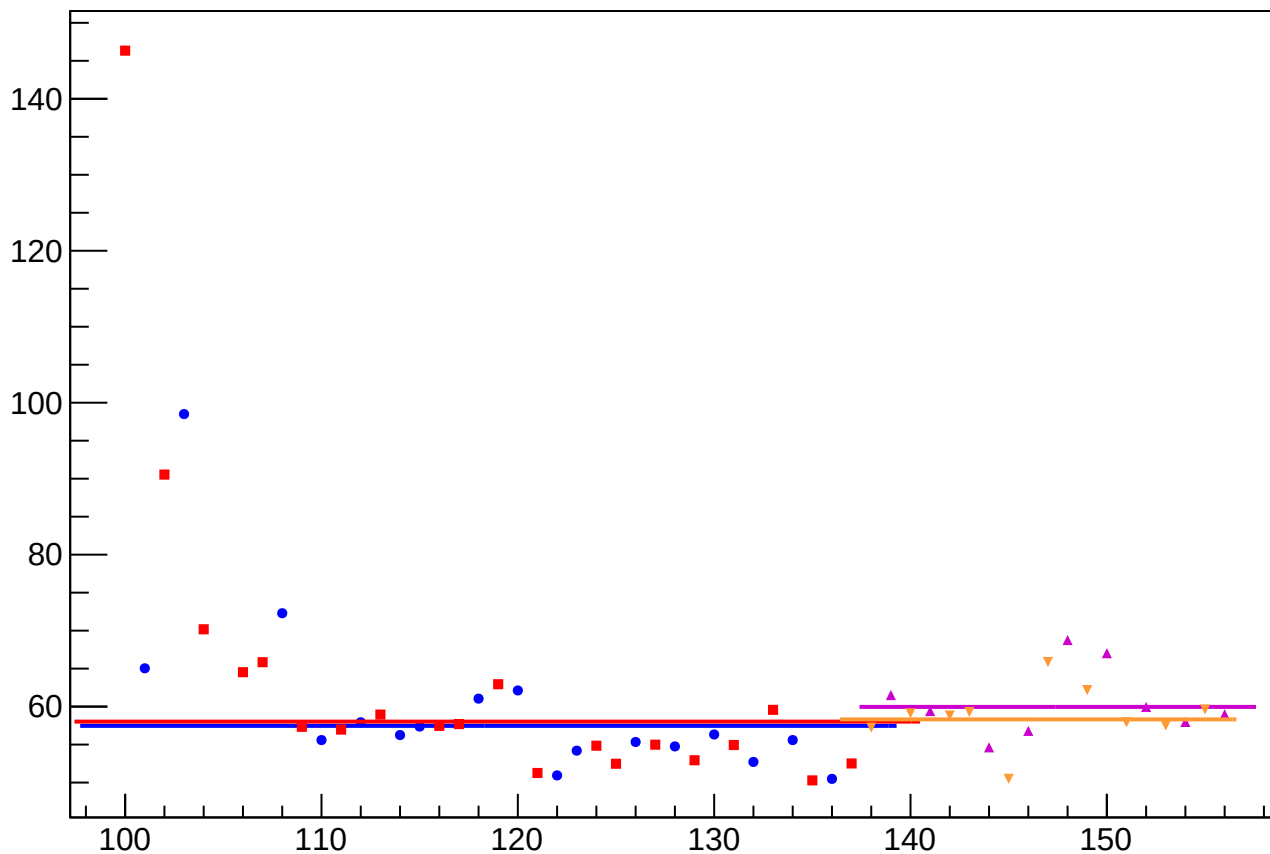
Left In: -116.402+/-22.161 χ^2/NDF : 3.6/8

-11.691+/-15.581 χ^2/NDF : 39.7/26

-33.320+/-11.036 χ^2/NDF : 82.7/55

-55.096+/-15.633 χ^2/NDF : 39.2/28

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 57.465+/-0.016 χ^2/NDF : 307156.4/16

Left Out: 58.315+/-0.015 χ^2/NDF : 65885.5/9

Right Out: 58.025+/-0.016 χ^2/NDF : 300790.9/19

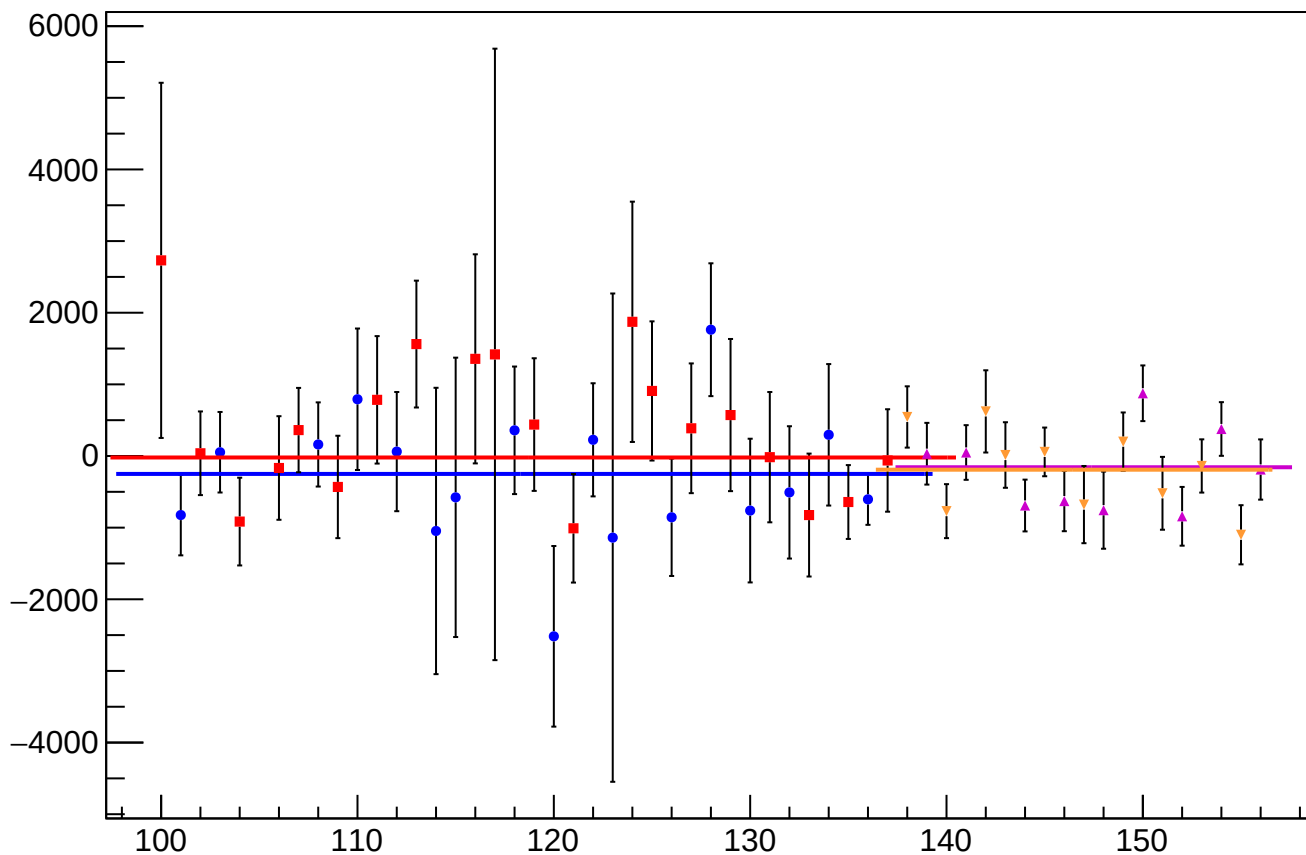
Left In: 59.961+/-0.016 χ^2/NDF : 70393.9/8

57.910+/-0.011 χ^2/NDF : 374525.2/26

58.447+/-0.008 χ^2/NDF : 758158.5/55

58.989+/-0.011 χ^2/NDF : 378855.6/28

asym_sam_13_57_dd_correction_mean vs Slug, Sign Corrected



Right In: -250.140+/-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

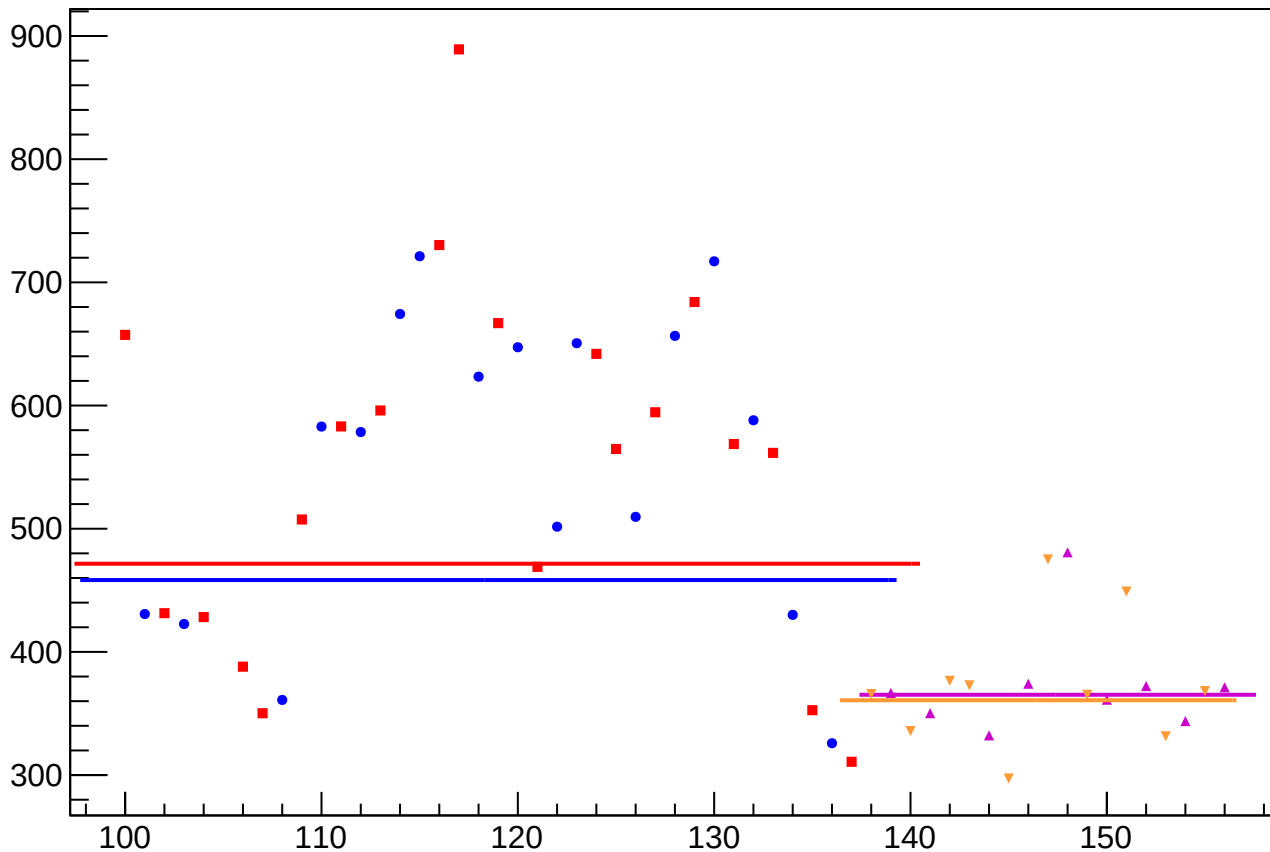
Left In: -157.042+/-135.619 χ^2/NDF :17.1/8

-211.629+/-108.515 χ^2/NDF : 29.4/26

-160.017+/-76.789 χ^2/NDF : 63.5/55

-108.252+/-108.677 χ^2/NDF : 33.6/28

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

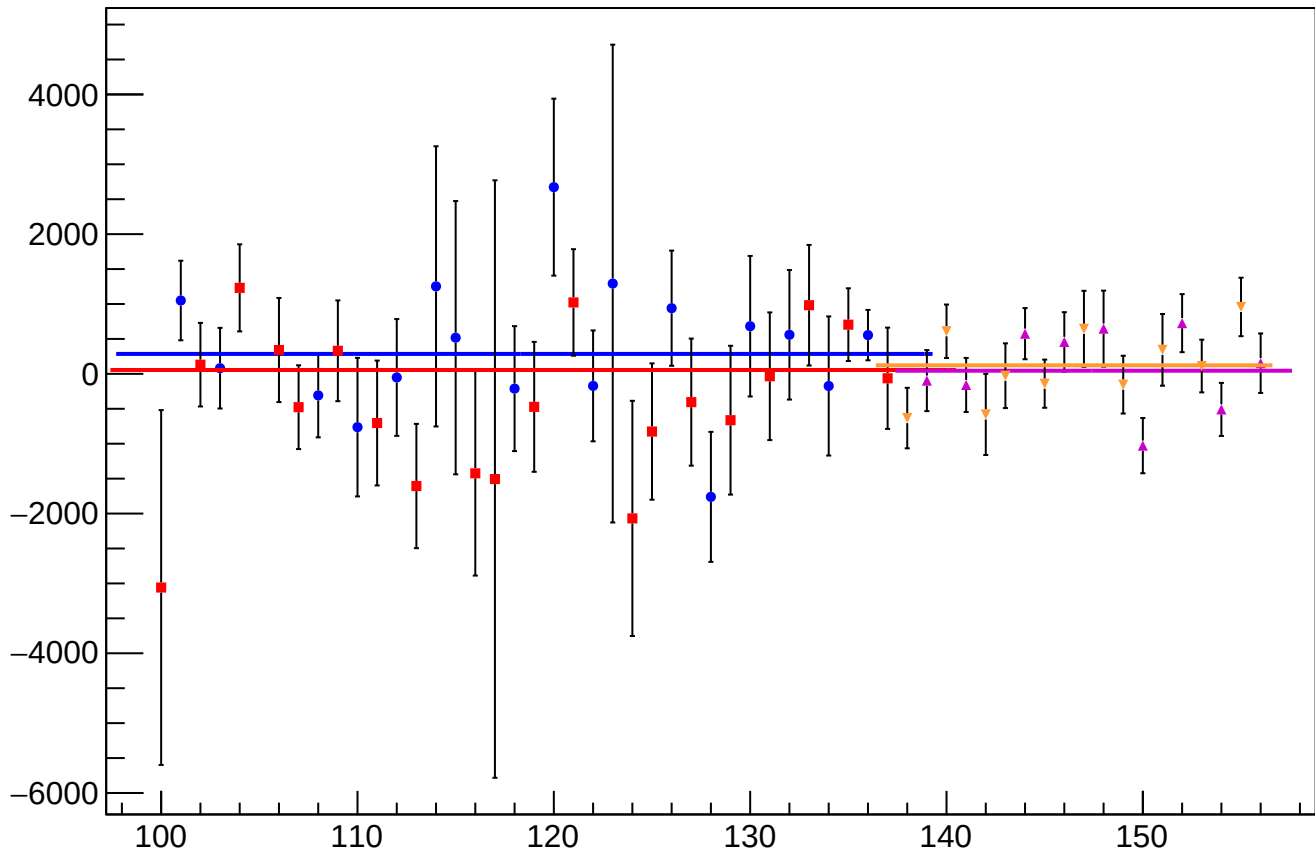
Left In: 365.212 $\pm$ 0.096 χ^2 /NDF: 120680.2/8

394.652 $\pm$ 0.077 χ^2 /NDF: 1489300.7/26

398.959 $\pm$ 0.054 χ^2 /NDF: 2854419.3/55

403.279 $\pm$ 0.077 χ^2 /NDF: 1358807.7/28

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 285.349 $\pm$ 186.262 χ^2 /NDF: 15.2/16

Left Out: 122.217 $\pm$ 136.136 χ^2 /NDF:12.4/9

Right Out: 55.109 $\pm$ 183.903 χ^2 /NDF: 19.3/19

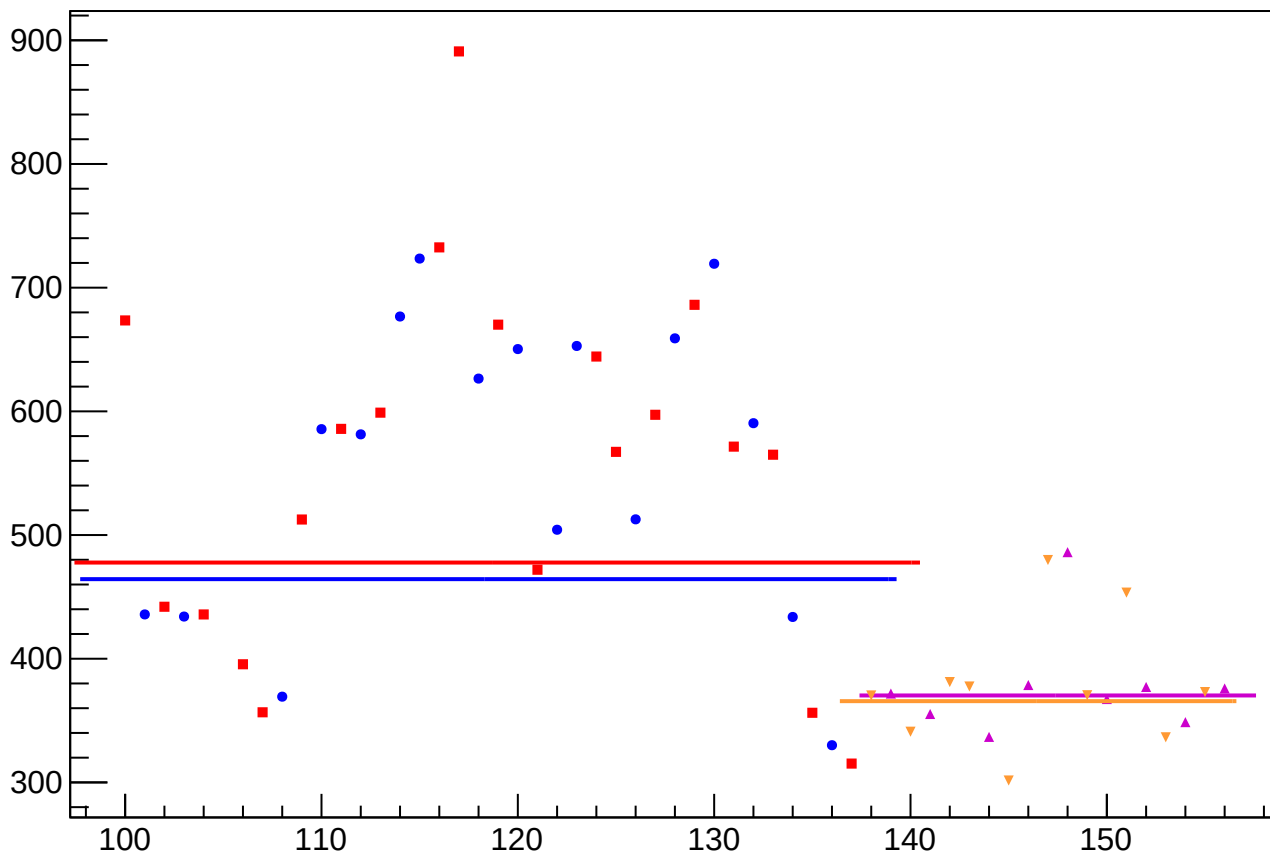
Left In: 44.913 $\pm$ 137.481 χ^2 /NDF:16.9/8

179.019 $\pm$ 109.909 χ^2 /NDF: 28.0/26

113.914 $\pm$ 77.789 χ^2 /NDF: 64.9/55

48.568 $\pm$ 110.113 χ^2 /NDF: 36.2/28

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 464.341 $\pm$ 0.132 χ^2/NDF : 845900.9/16

Left Out: 365.695 $\pm$ 0.096 χ^2/NDF : 239842.4/9

Right Out: 477.754 $\pm$ 0.130 χ^2/NDF : 768041.0/19

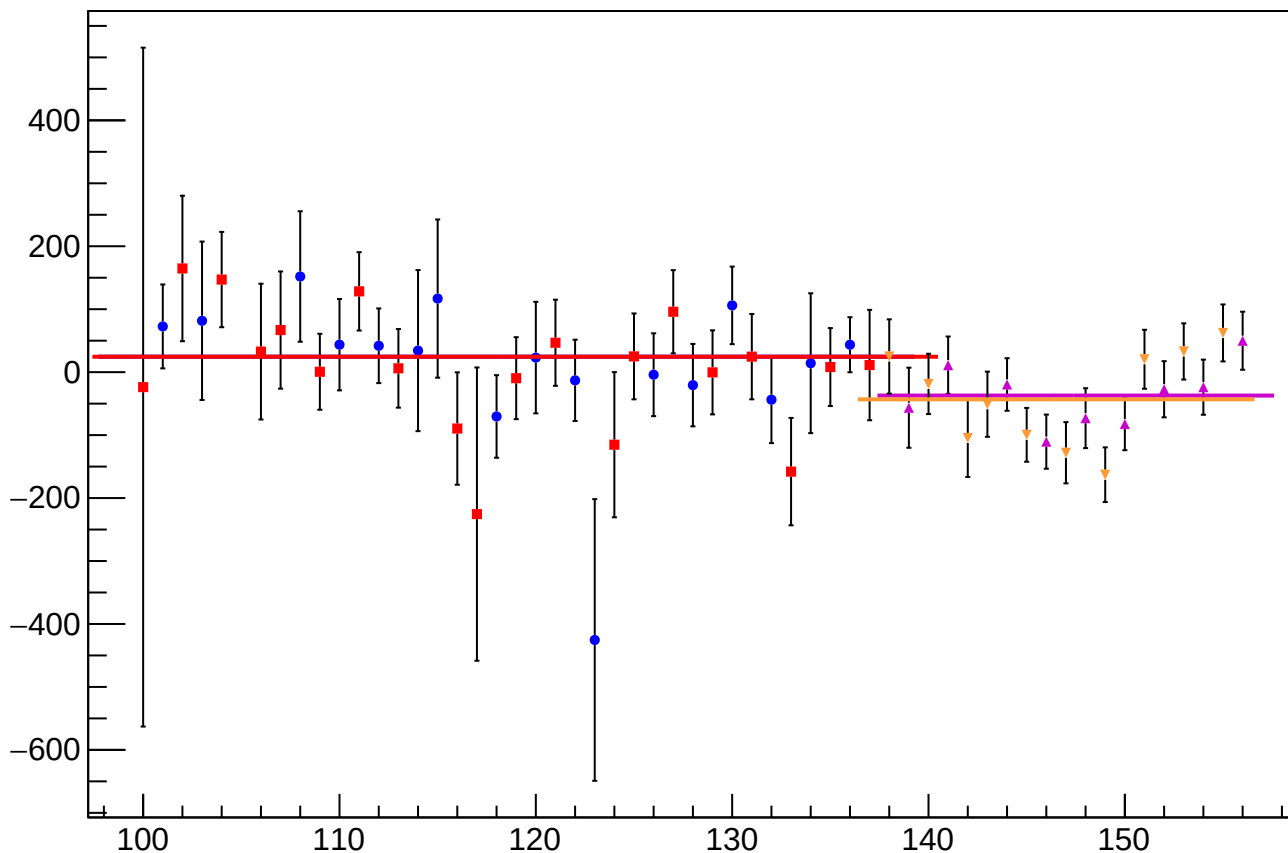
Left In: 370.297 $\pm$ 0.097 χ^2/NDF : 118628.7/8

400.043 $\pm$ 0.078 χ^2/NDF : 1451384.5/26

404.424 $\pm$ 0.055 χ^2/NDF : 2782461.1/55

408.822 $\pm$ 0.078 χ^2/NDF : 1324708.9/28

reg_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 24.584 $\pm$ 17.839 χ^2 /NDF: 13.0/16

Left Out: -43.201 $\pm$ 15.245 χ^2 /NDF: 25.2/9

Right Out: 24.491 $\pm$ 17.338 χ^2 /NDF: 18.0/19

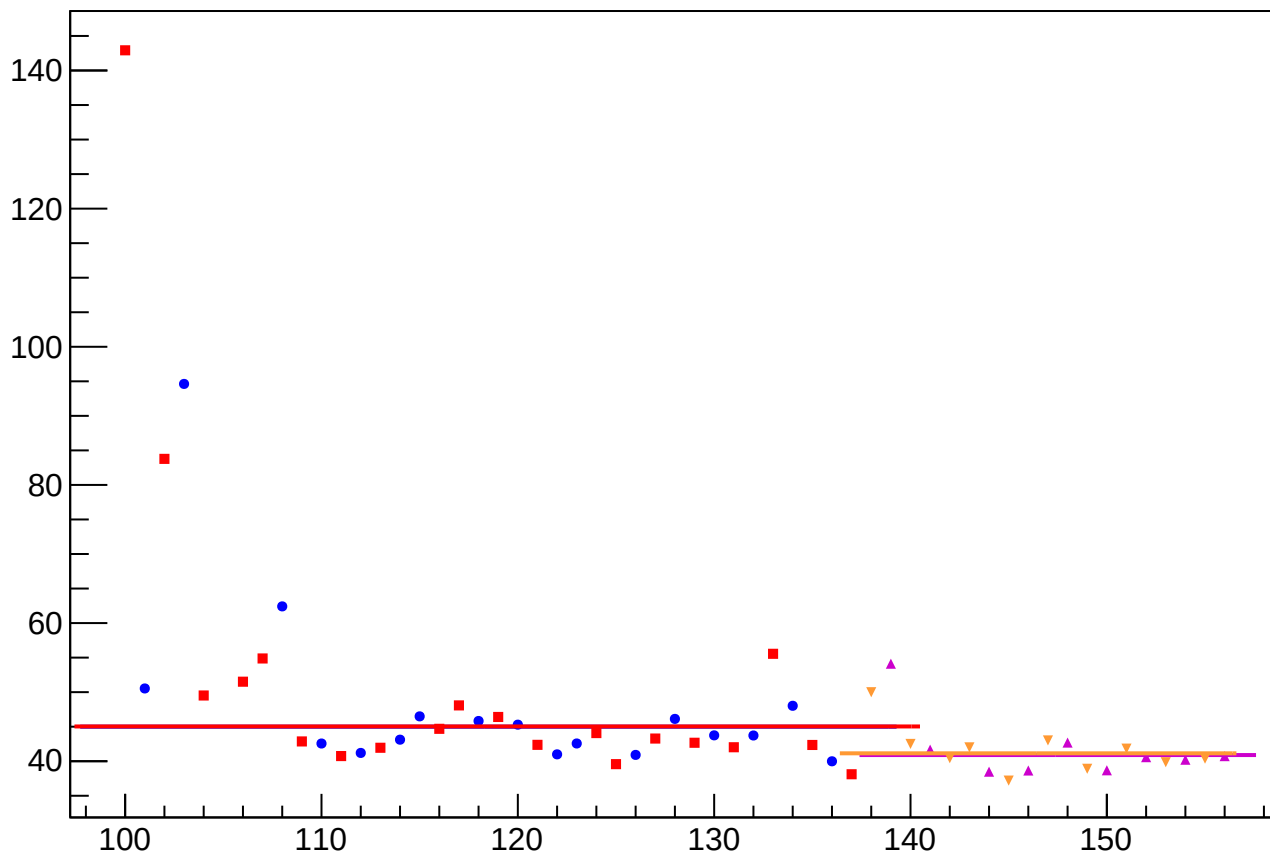
Left In: -37.183 $\pm$ 15.151 χ^2 /NDF: 9.7/8

-14.590 $\pm$ 11.590 χ^2 /NDF: 46.5/26

-12.502 $\pm$ 8.130 χ^2 /NDF: 81.5/55

-10.480 $\pm$ 11.409 χ^2 /NDF: 34.9/28

reg_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 45.001+/-0.013 χ^2 /NDF: 438352.8/16

Left Out: 41.145+/-0.011 χ^2 /NDF: 75335.9/9

Right Out: 45.034+/-0.012 χ^2 /NDF: 415853.3/19

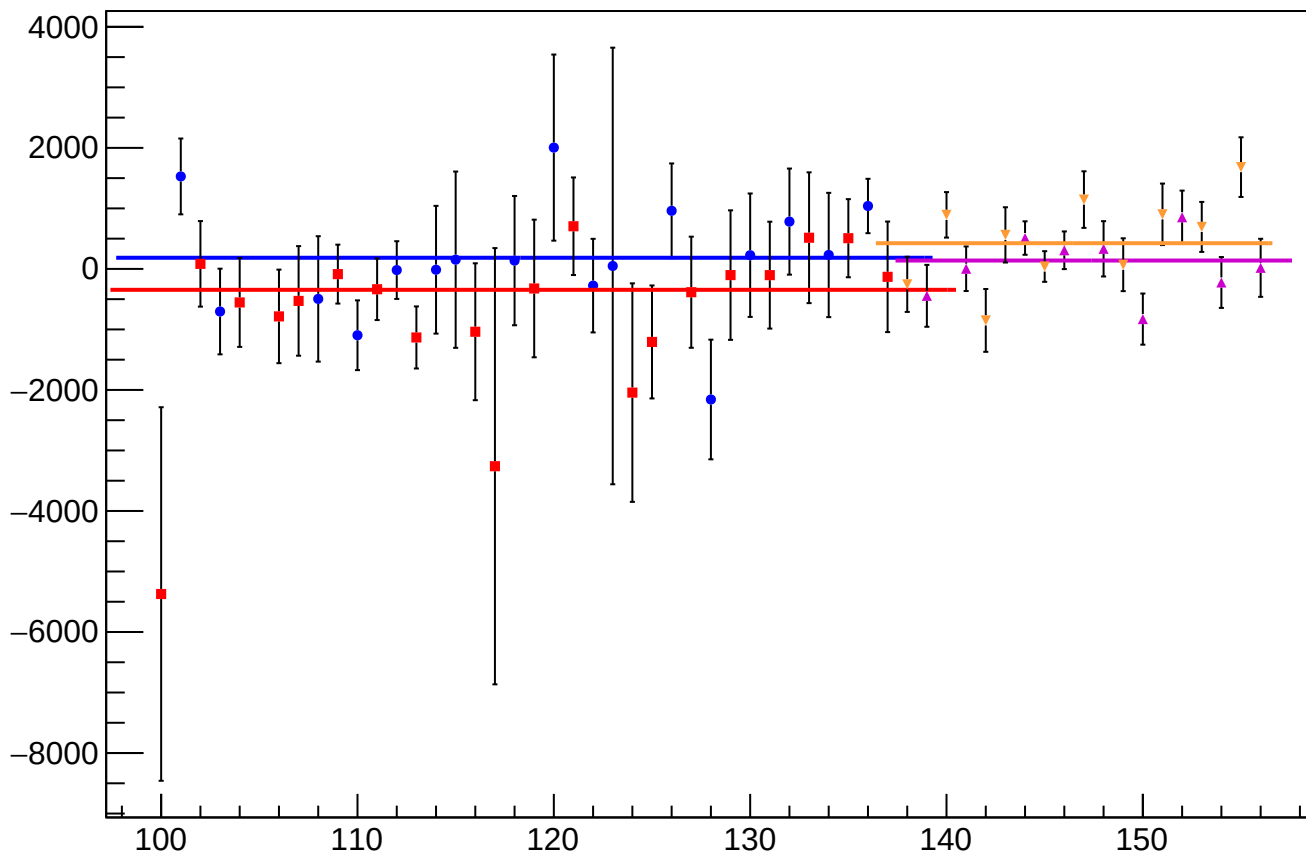
Left In: 40.894+/-0.011 χ^2 /NDF: 108168.5/8

42.773+/-0.008 χ^2 /NDF: 567698.6/26

42.729+/-0.006 χ^2 /NDF: 1156448.2/55

42.686+/-0.008 χ^2 /NDF: 588693.4/28

asym_sam_15_37_dd_correction_mean vs Slug, Sign Corrected



Right In: 184.184 $\pm$ 188.558 χ^2 /NDF: 24.2/16

Left Out: 424.718 $\pm$ 129.459 χ^2 /NDF: 23.1/9

Right Out: -345.548 $\pm$ 179.160 χ^2 /NDF: 13.1/19

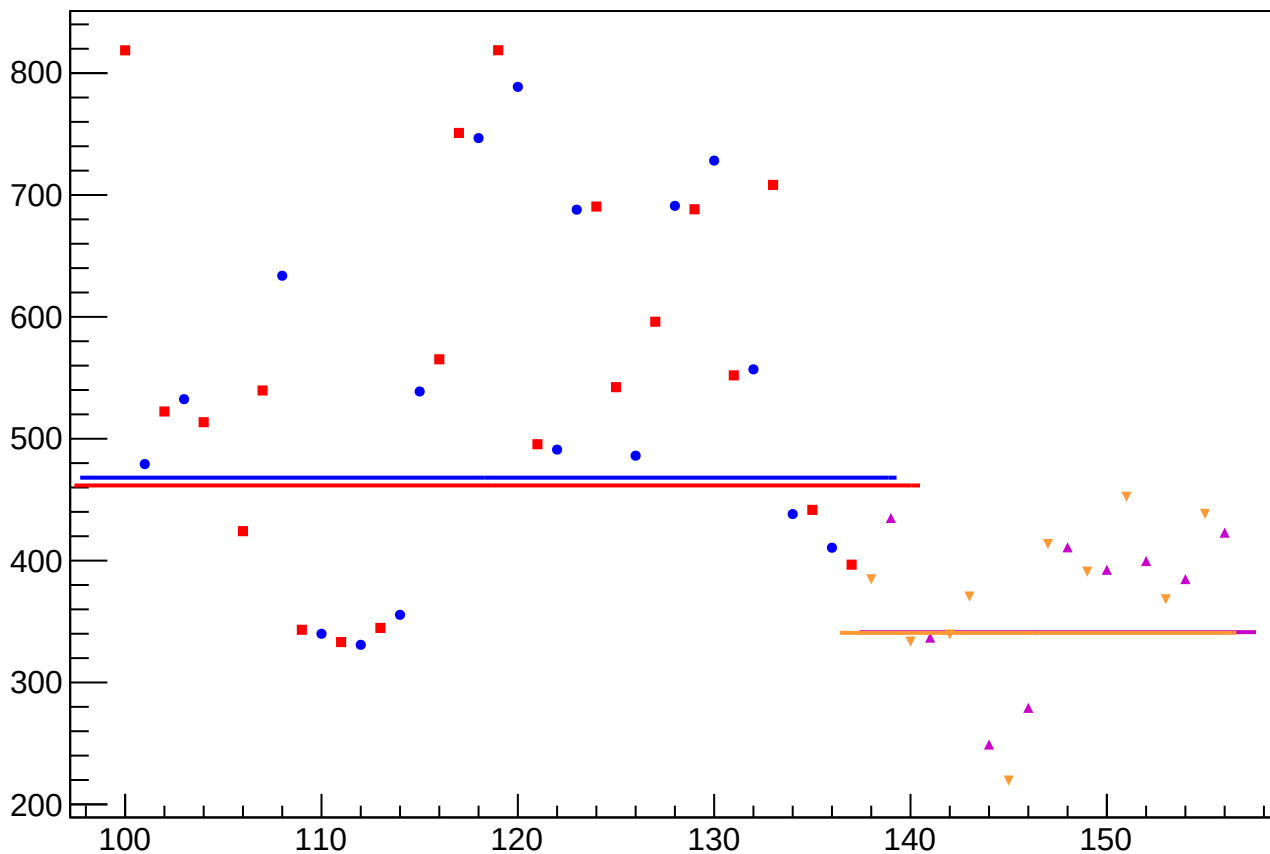
Left In: 138.514 $\pm$ 128.927 χ^2 /NDF: 12.4/8

347.658 $\pm$ 106.726 χ^2 /NDF: 48.4/26

156.831 $\pm$ 74.721 χ^2 /NDF: 85.0/55

-26.636 $\pm$ 104.647 χ^2 /NDF: 30.4/28

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 468.071 $\pm$ 0.133 χ^2 /NDF: 880319.3/16

Left Out: 340.725 $\pm$ 0.092 χ^2 /NDF: 745042.1/9

Right Out: 461.656 $\pm$ 0.127 χ^2 /NDF: 967939.5/19

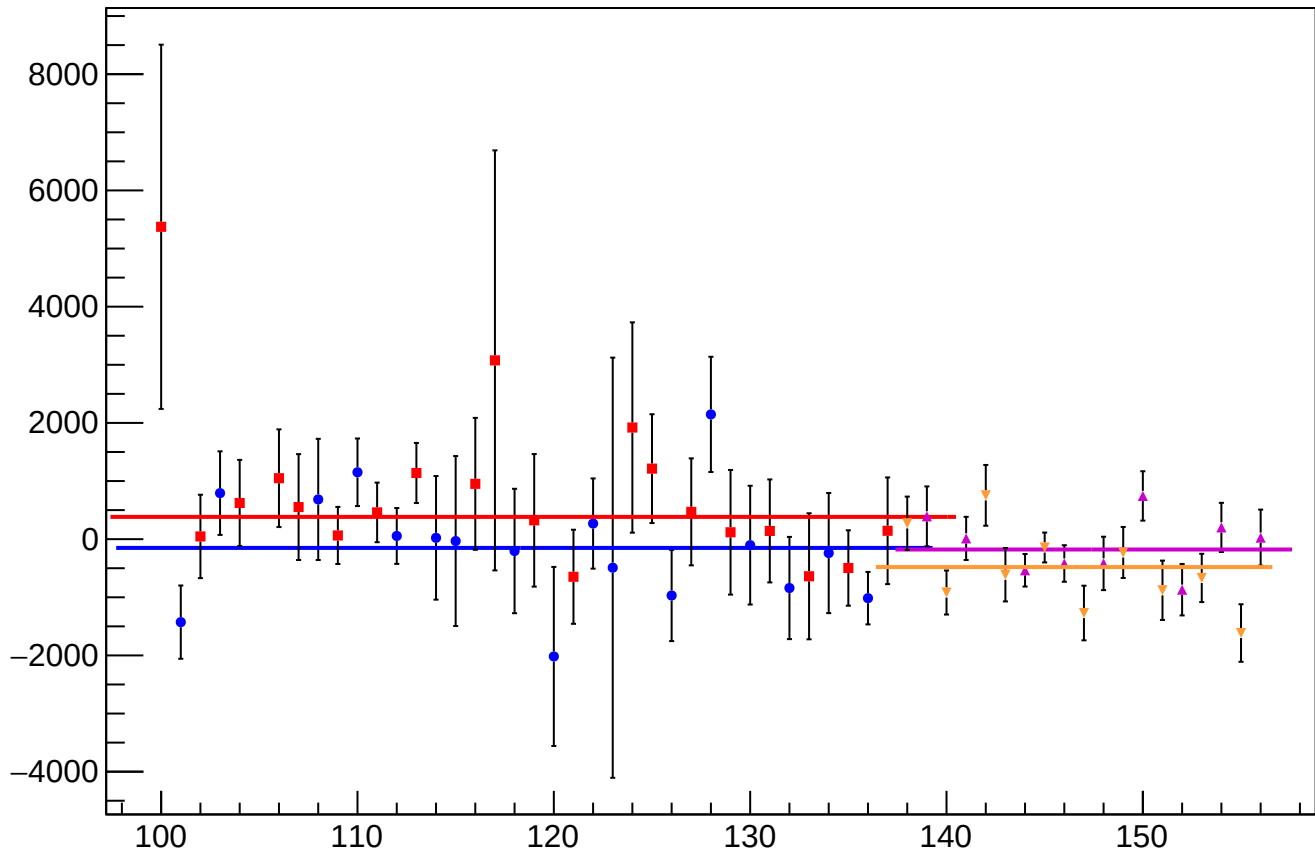
Left In: 341.308 $\pm$ 0.091 χ^2 /NDF: 559738.7/8

381.522 $\pm$ 0.075 χ^2 /NDF: 2245359.3/26

381.953 $\pm$ 0.053 χ^2 /NDF: 4367664.4/55

382.367 $\pm$ 0.074 χ^2 /NDF: 2122241.2/28

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -150.305 ± 189.729 $\chi^2/\text{NDF}: 24.2/16$

Left Out: -480.129 ± 130.544 $\chi^2/\text{NDF}: 20.6/9$

Right Out: 383.331 ± 181.030 $\chi^2/\text{NDF}: 13.0/19$

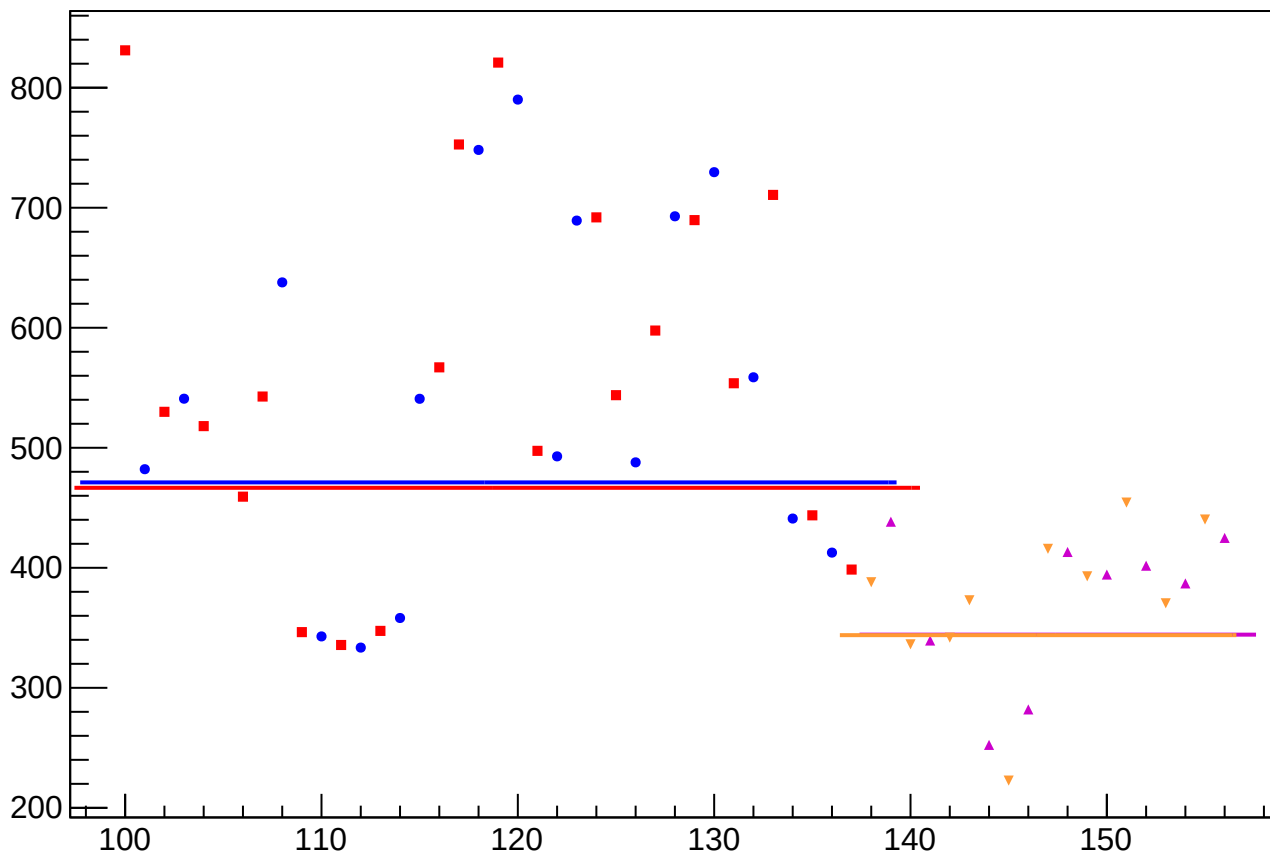
Left In: -177.893 ± 129.968 $\chi^2/\text{NDF}: 12.1/8$

-374.154 ± 107.546 $\chi^2/\text{NDF}: 46.9/26$

-177.004 ± 75.341 $\chi^2/\text{NDF}: 84.9/55$

12.992 ± 105.577 $\chi^2/\text{NDF}: 31.4/28$

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 471.156 $\pm$ 0.134 χ^2/NDF : 871832.5/16

Left Out: 343.885 $\pm$ 0.092 χ^2/NDF : 721625.3/9

Right Out: 466.655 $\pm$ 0.128 χ^2/NDF : 953088.6/19

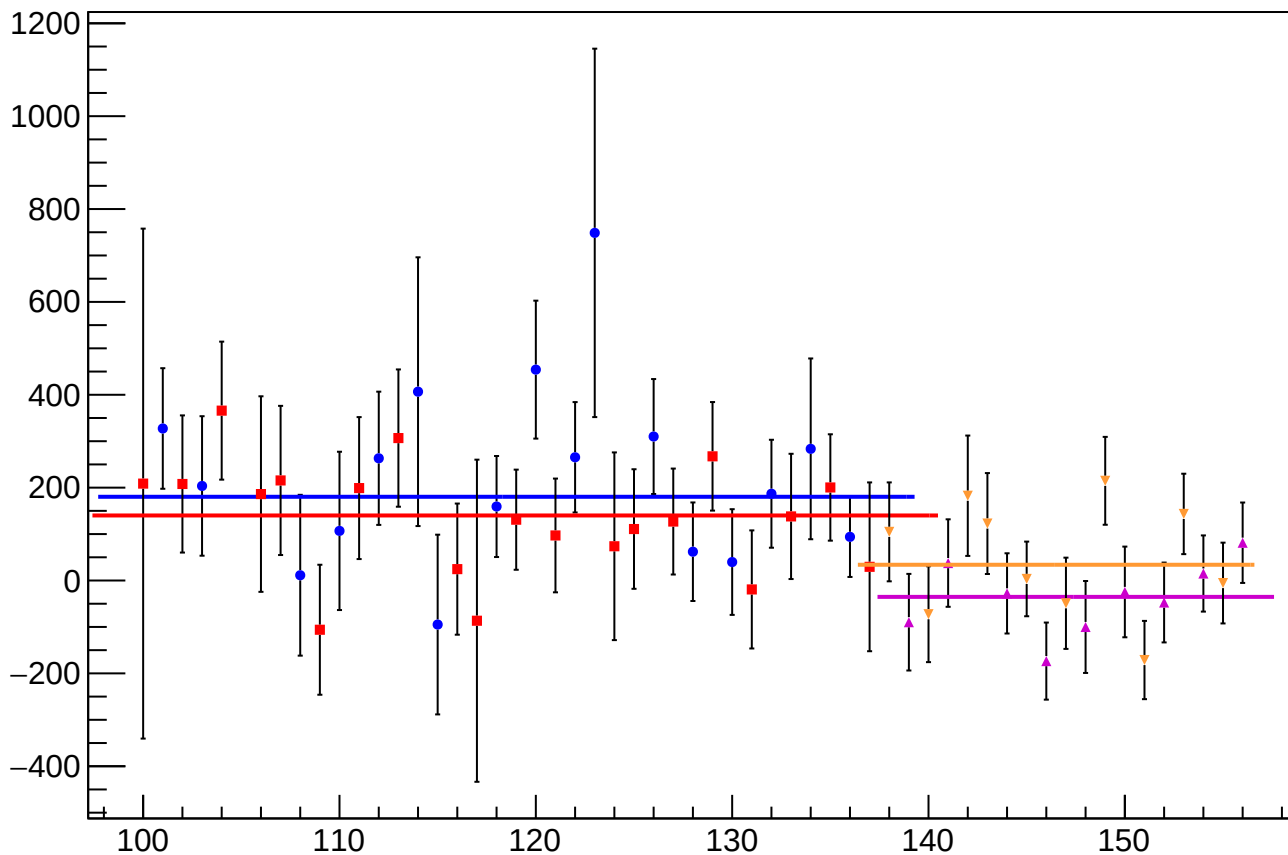
Left In: 344.301 $\pm$ 0.092 χ^2/NDF : 543690.5/8

384.778 $\pm$ 0.076 χ^2/NDF : 2204255.0/26

385.358 $\pm$ 0.053 χ^2/NDF : 4304022.8/55

385.917 $\pm$ 0.075 χ^2/NDF : 2099653.7/28

reg_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 180.326 ± 32.769 χ^2/NDF : 16.6/16

Left Out: 33.916 ± 30.117 χ^2/NDF : 15.7/9

Right Out: 140.070 ± 32.198 χ^2/NDF : 12.1/19

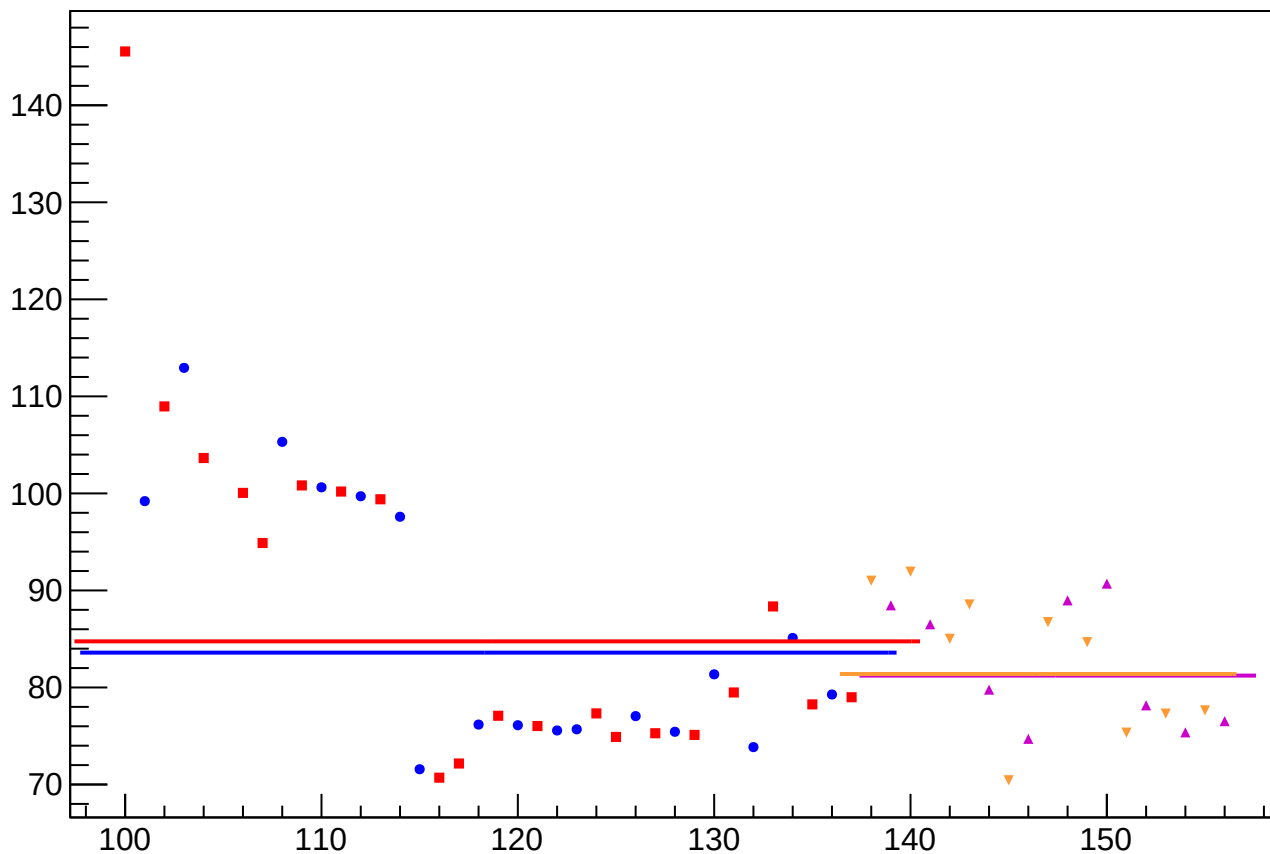
Left In: -35.253 ± 30.038 χ^2/NDF : 6.3/8

100.957 ± 22.174 χ^2/NDF : 43.1/26

73.385 ± 15.605 χ^2/NDF : 80.4/55

46.332 ± 21.964 χ^2/NDF : 34.3/28

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 83.591+/-0.023 χ^2/NDF : 255921.7/16

Left Out: 81.385+/-0.021 χ^2/NDF : 111318.1/9

Right Out: 84.752+/-0.023 χ^2/NDF : 293262.6/19

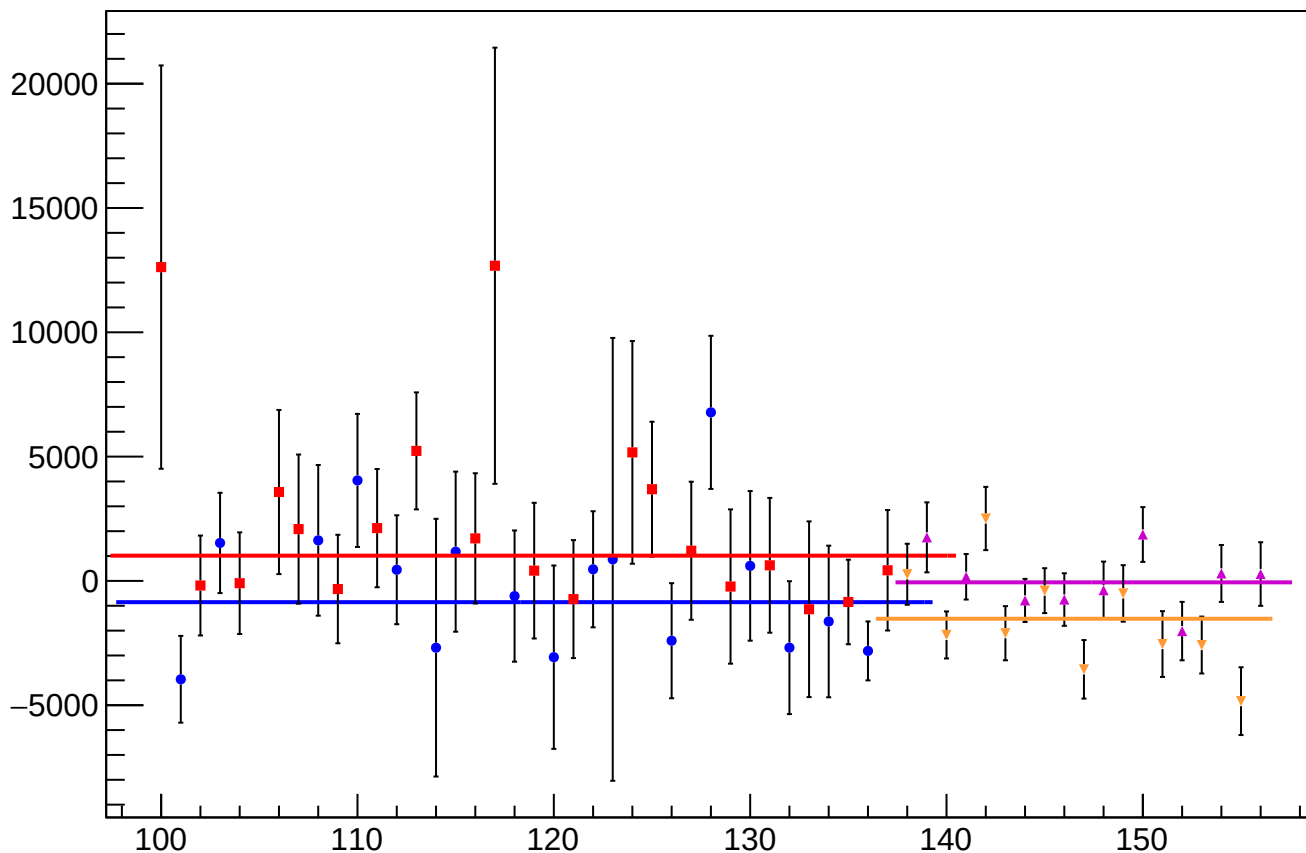
Left In: 81.224+/-0.021 χ^2/NDF : 78573.1/8

82.395+/-0.016 χ^2/NDF : 372153.6/26

82.633+/-0.011 χ^2/NDF : 757277.5/55

82.866+/-0.016 χ^2/NDF : 384668.5/28

asym_sam_24_68_dd_correction_mean vs Slug, Sign Corrected



Right In: -855.308 $\pm$ 583.290 χ^2 /NDF: 20.3/16

Left Out: -1522.250 $\pm$ 357.252 χ^2 /NDF:25.6/9

Right Out: 1015.523 $\pm$ 587.747 χ^2 /NDF: 13.3/19

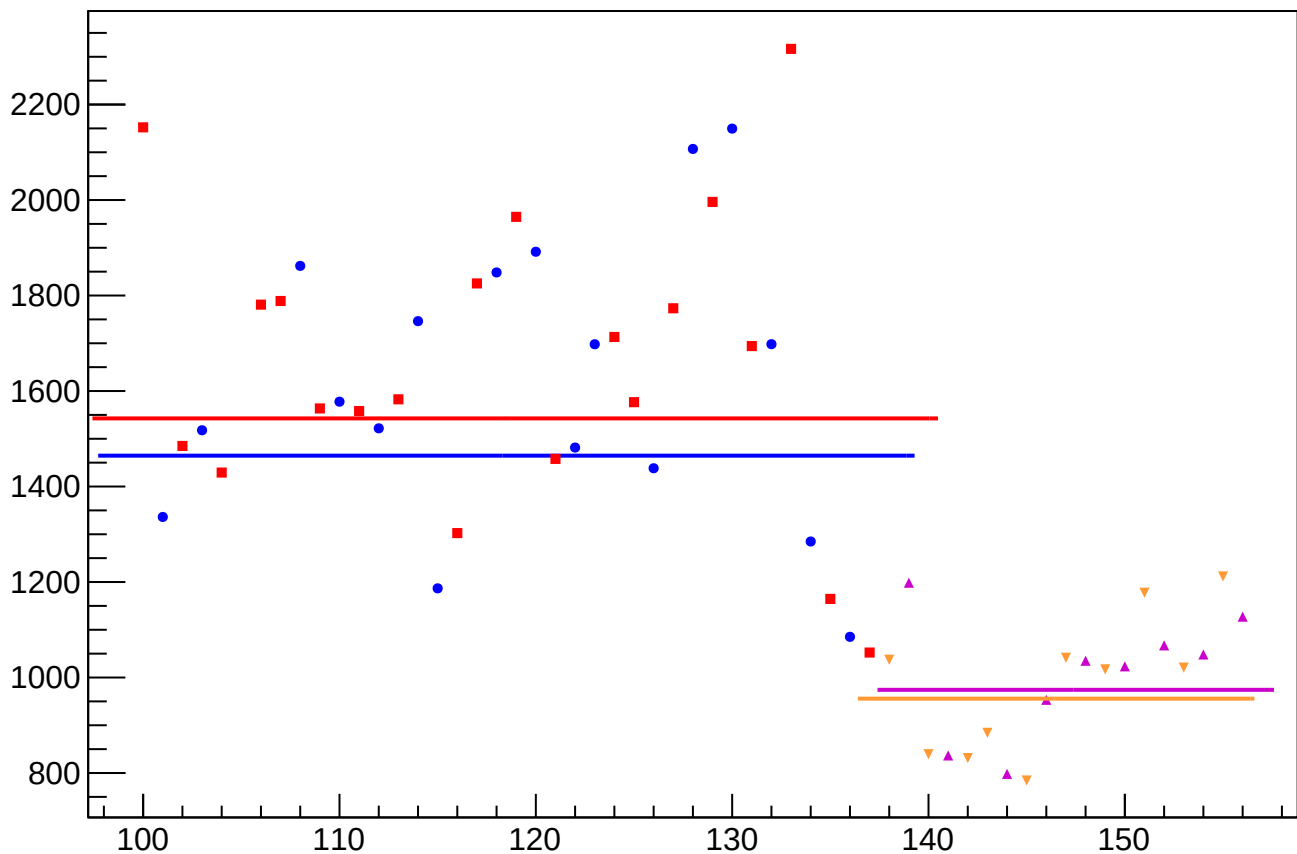
Left In: -58.121 $\pm$ 362.708 χ^2 /NDF:8.9/8

-1340.312 $\pm$ 304.651 χ^2 /NDF: 46.9/26

-561.490 $\pm$ 216.826 χ^2 /NDF: 84.8/55

237.989 $\pm$ 308.665 χ^2 /NDF: 24.6/28

asym_sam_24_68_dd_correction_rms vs Slug, Sign Corrected



Right In: 1464.636 $\pm$ 0.412 χ^2/NDF : 560863.4/16

Left Out: 955.760 $\pm$ 0.253 χ^2/NDF : 288434.8/9

Right Out: 1542.663 $\pm$ 0.416 χ^2/NDF : 455797.2/19

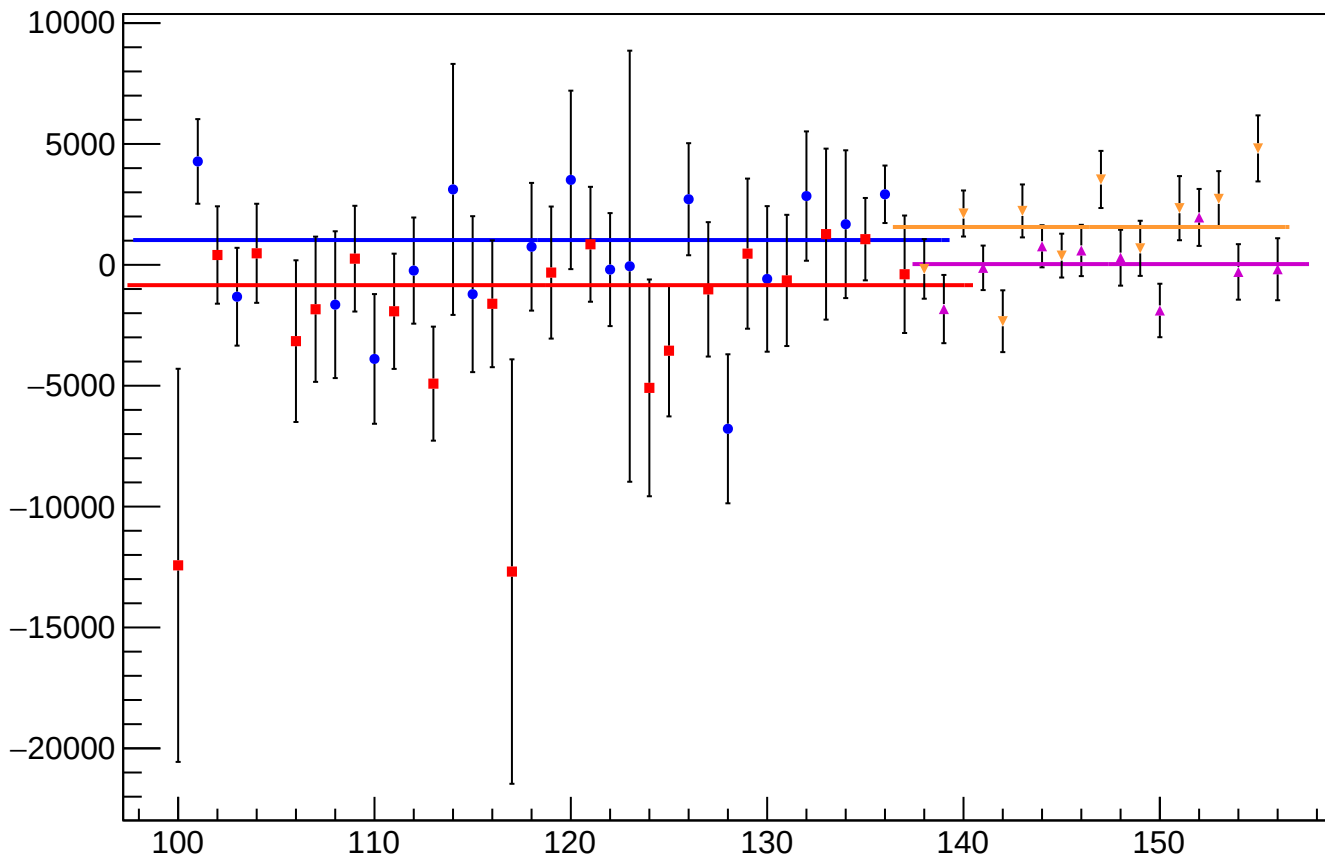
Left In: 974.229 $\pm$ 0.256 χ^2/NDF : 238376.2/8

1094.578 $\pm$ 0.215 χ^2/NDF : 1956283.9/26

1112.552 $\pm$ 0.153 χ^2/NDF : 4019342.0/55

1131.003 $\pm$ 0.218 χ^2/NDF : 2048950.2/28

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1025.527 $\pm$ 584.500 χ^2 /NDF: 20.9/16

Left Out: 1565.745 $\pm$ 358.718 χ^2 /NDF:24.1/9

Right Out: -840.586 $\pm$ 589.057 χ^2 /NDF: 13.0/19

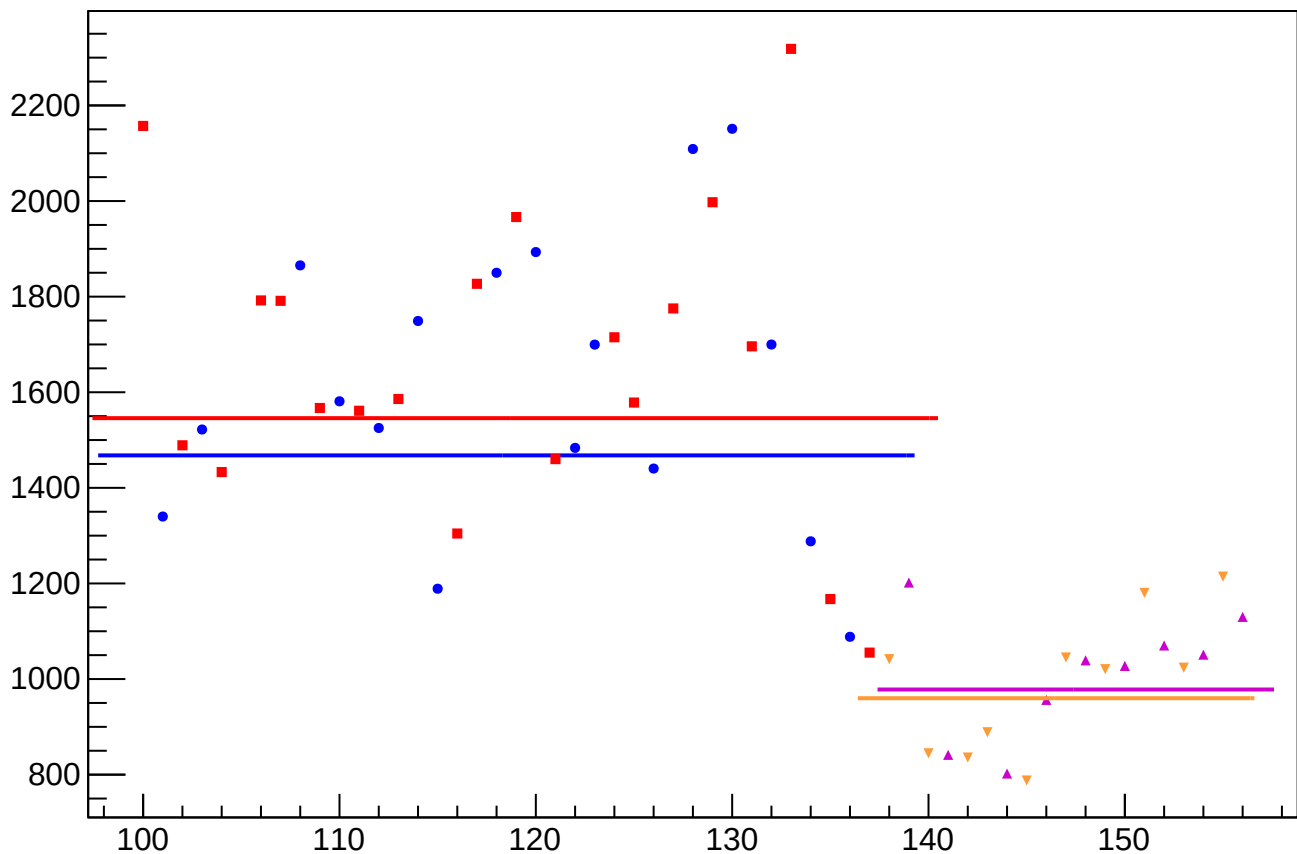
Left In: 30.982 $\pm$ 364.102 χ^2 /NDF:8.6/8

1417.942 $\pm$ 305.733 χ^2 /NDF: 45.6/26

614.522 $\pm$ 217.579 χ^2 /NDF: 82.9/55

-209.957 $\pm$ 309.713 χ^2 /NDF: 23.2/28

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1467.905 $\pm$ 0.413 χ^2/NDF : 557458.9/16

Left Out: 959.886 $\pm$ 0.254 χ^2/NDF : 284253.4/9

Right Out: 1545.785 $\pm$ 0.417 χ^2/NDF : 453865.6/19

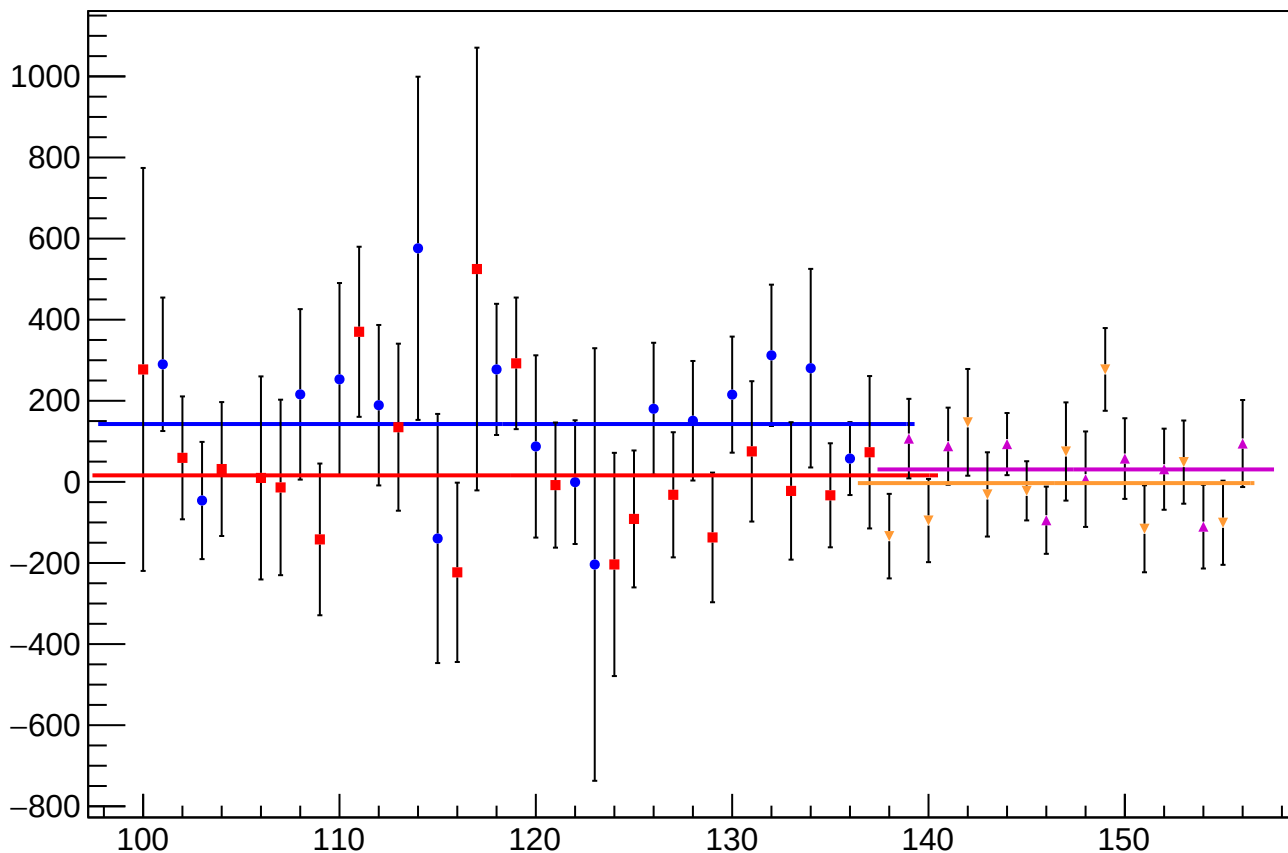
Left In: 978.135 $\pm$ 0.257 χ^2/NDF : 234623.7/8

1098.880 $\pm$ 0.216 χ^2/NDF : 1939195.1/26

1116.735 $\pm$ 0.154 χ^2/NDF : 3985349.6/55

1135.058 $\pm$ 0.219 χ^2/NDF : 2032333.3/28

reg_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 142.683 $\pm$ 41.625 χ^2 /NDF: 9.3/16

Left Out: -3.001 $\pm$ 32.208 χ^2 /NDF:14.0/9

Right Out: 16.103 $\pm$ 41.277 χ^2 /NDF: 11.7/19

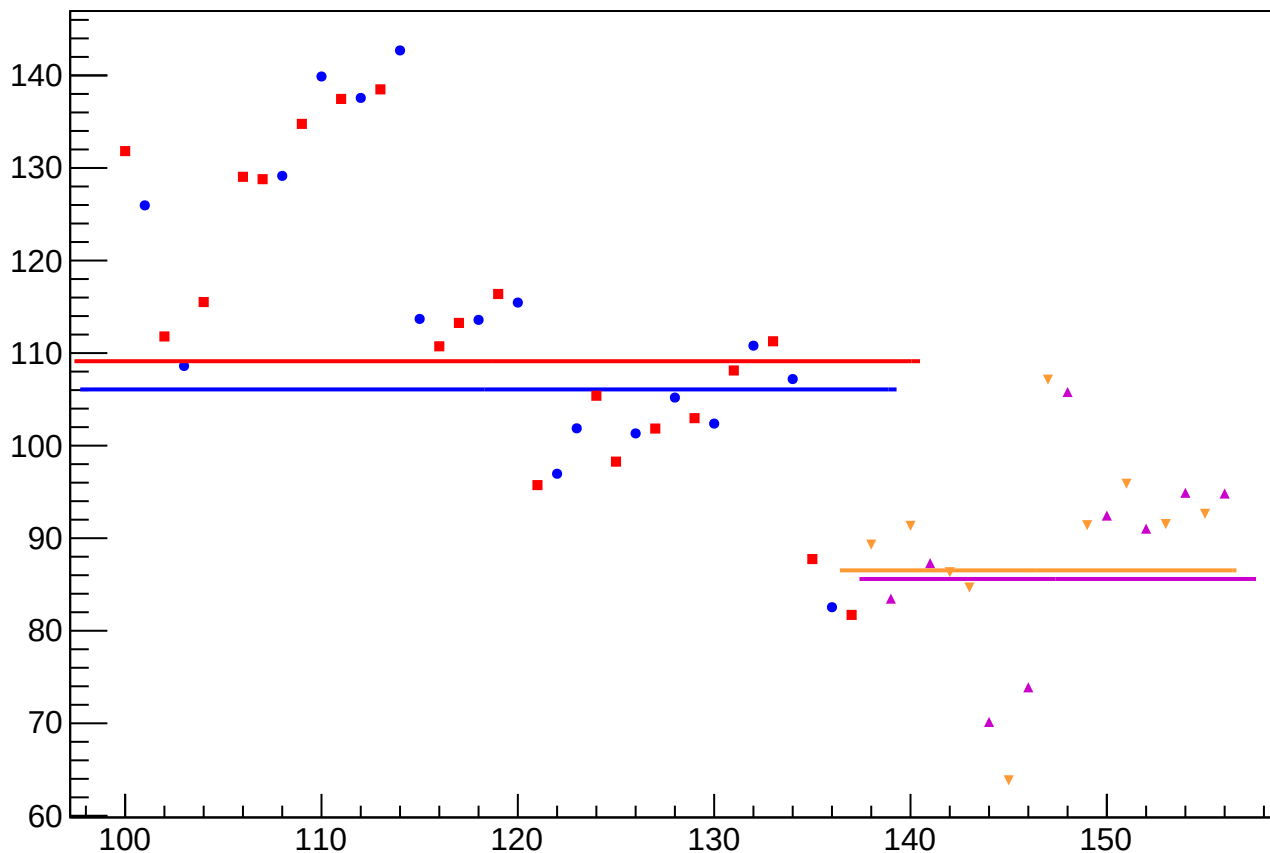
Left In: 30.731 $\pm$ 31.876 χ^2 /NDF:6.2/8

51.556 $\pm$ 25.473 χ^2 /NDF: 31.0/26

38.285 $\pm$ 17.925 χ^2 /NDF: 49.6/55

25.267 $\pm$ 25.229 χ^2 /NDF: 18.0/28

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 106.074 $\pm$ 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

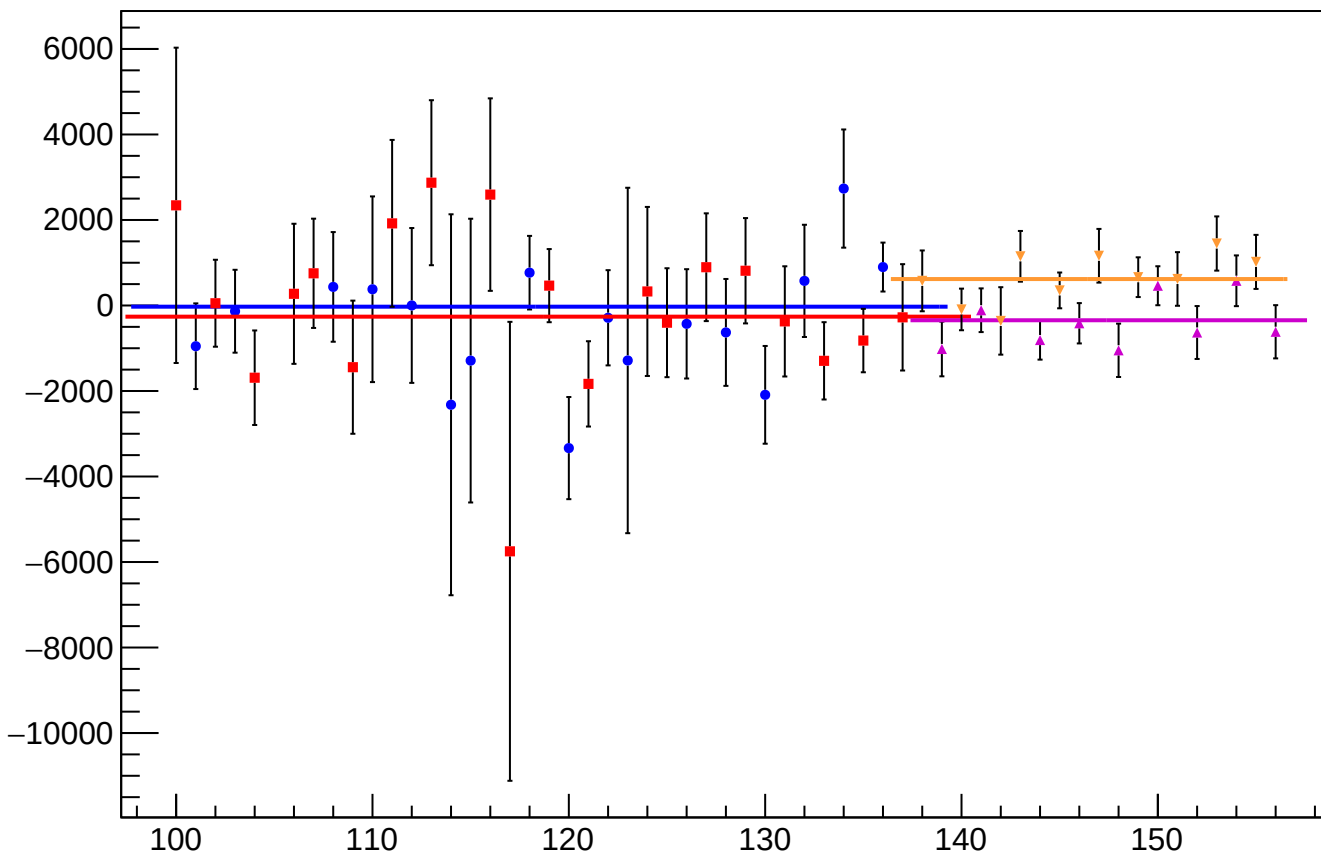
Left In: 85.596 $\pm$ 0.023 χ^2 /NDF:228033.5/8

93.846 $\pm$ 0.018 χ^2 /NDF: 882910.7/26

94.118 $\pm$ 0.013 χ^2 /NDF: 1803968.3/55

94.385 $\pm$ 0.018 χ^2 /NDF: 920605.2/28

asym_sam_26_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -27.969 ± 283.741 χ^2/NDF : 20.5/16

Left Out: 618.322 ± 179.436 χ^2/NDF : 7.8/9

Right Out: -261.265 ± 279.073 χ^2/NDF : 16.9/19

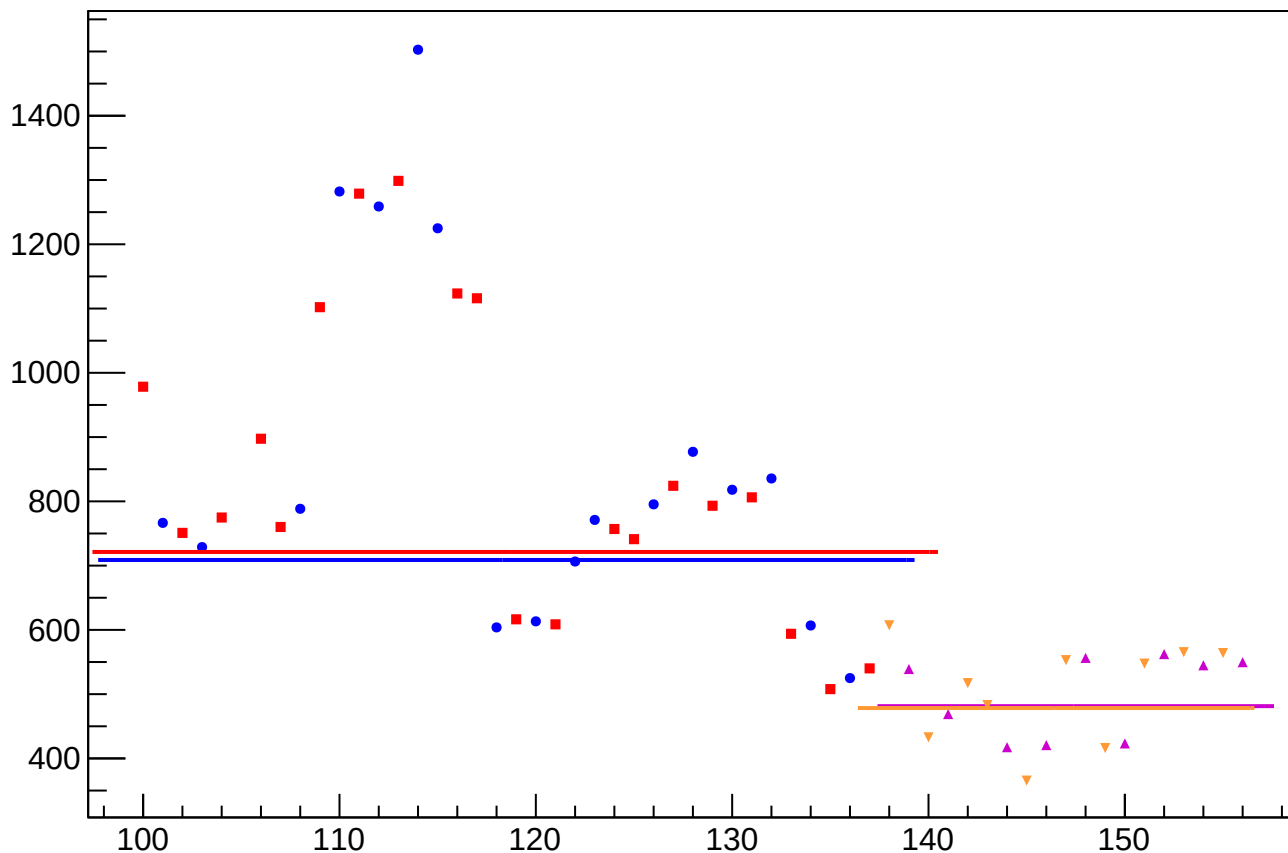
Left In: -345.450 ± 179.781 χ^2/NDF : 9.6/8

433.694 ± 151.655 χ^2/NDF : 32.0/26

55.171 ± 107.052 χ^2/NDF : 71.0/55

-320.759 ± 151.135 χ^2/NDF : 26.5/28

asym_sam_26_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 708.784 $\pm$ 0.201 χ^2 /NDF: 793538.1/16

Left Out: 478.390 $\pm$ 0.127 χ^2 /NDF: 396262.8/9

Right Out: 721.271 $\pm$ 0.197 χ^2 /NDF: 910781.0/19

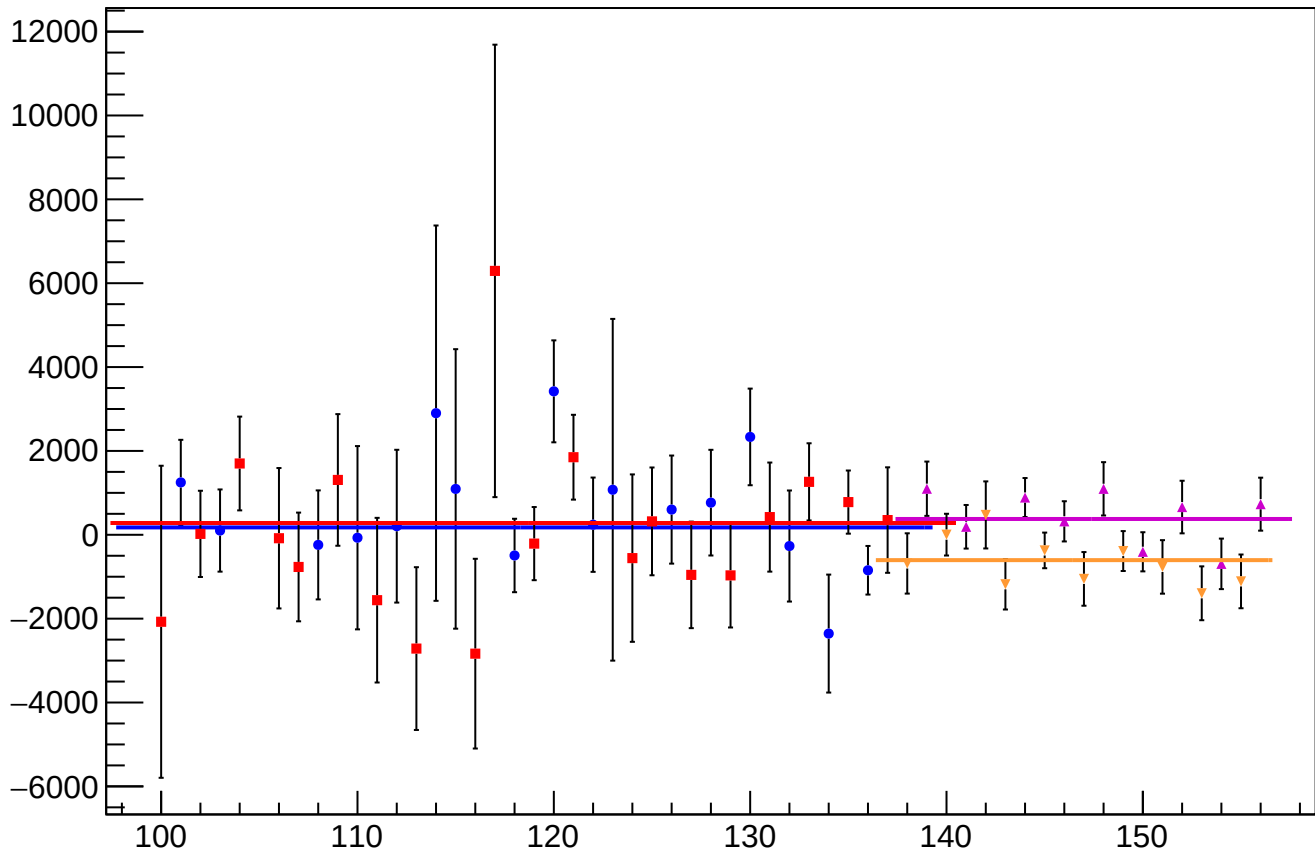
Left In: 481.335 $\pm$ 0.127 χ^2 /NDF: 232028.1/8

544.208 $\pm$ 0.107 χ^2 /NDF: 2131741.8/26

547.969 $\pm$ 0.076 χ^2 /NDF: 4321793.7/55

551.705 $\pm$ 0.107 χ^2 /NDF: 2187599.5/28

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 175.854 $\pm$ 287.218 χ^2/NDF : 19.7/16

Left Out: -604.481 $\pm$ 182.554 χ^2/NDF : 7.4/9

Right Out: 281.173 $\pm$ 282.685 χ^2/NDF : 16.1/19

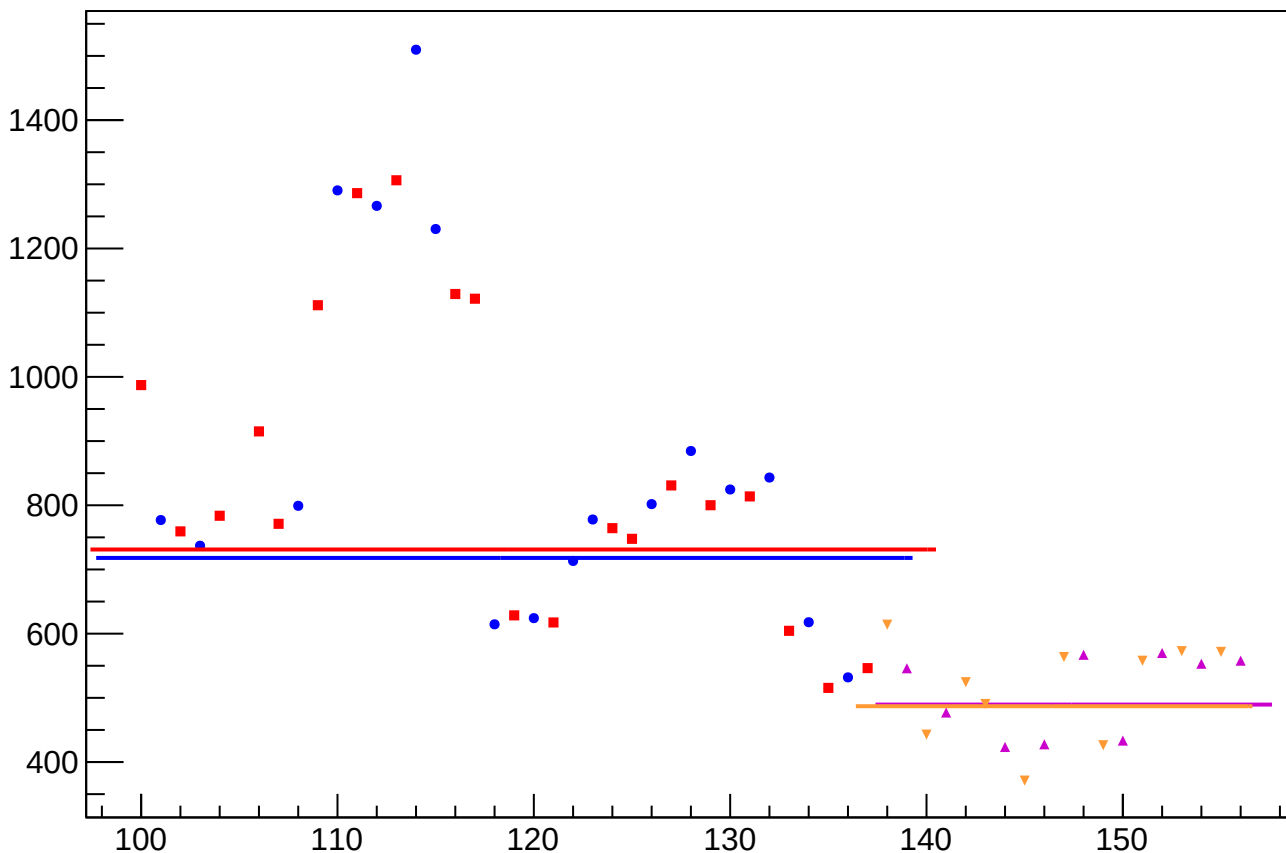
Left In: 377.048 $\pm$ 182.778 χ^2/NDF : 10.4/8

-379.949 $\pm$ 154.067 χ^2/NDF : 32.4/26

-14.212 $\pm$ 108.737 χ^2/NDF : 70.2/55

348.783 $\pm$ 153.488 χ^2/NDF : 26.5/28

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 717.973 $\pm$ 0.203 χ^2/NDF : 778580.1/16

Left Out: 486.970 $\pm$ 0.129 χ^2/NDF : 388037.0/9

Right Out: 731.116 $\pm$ 0.200 χ^2/NDF : 892357.6/19

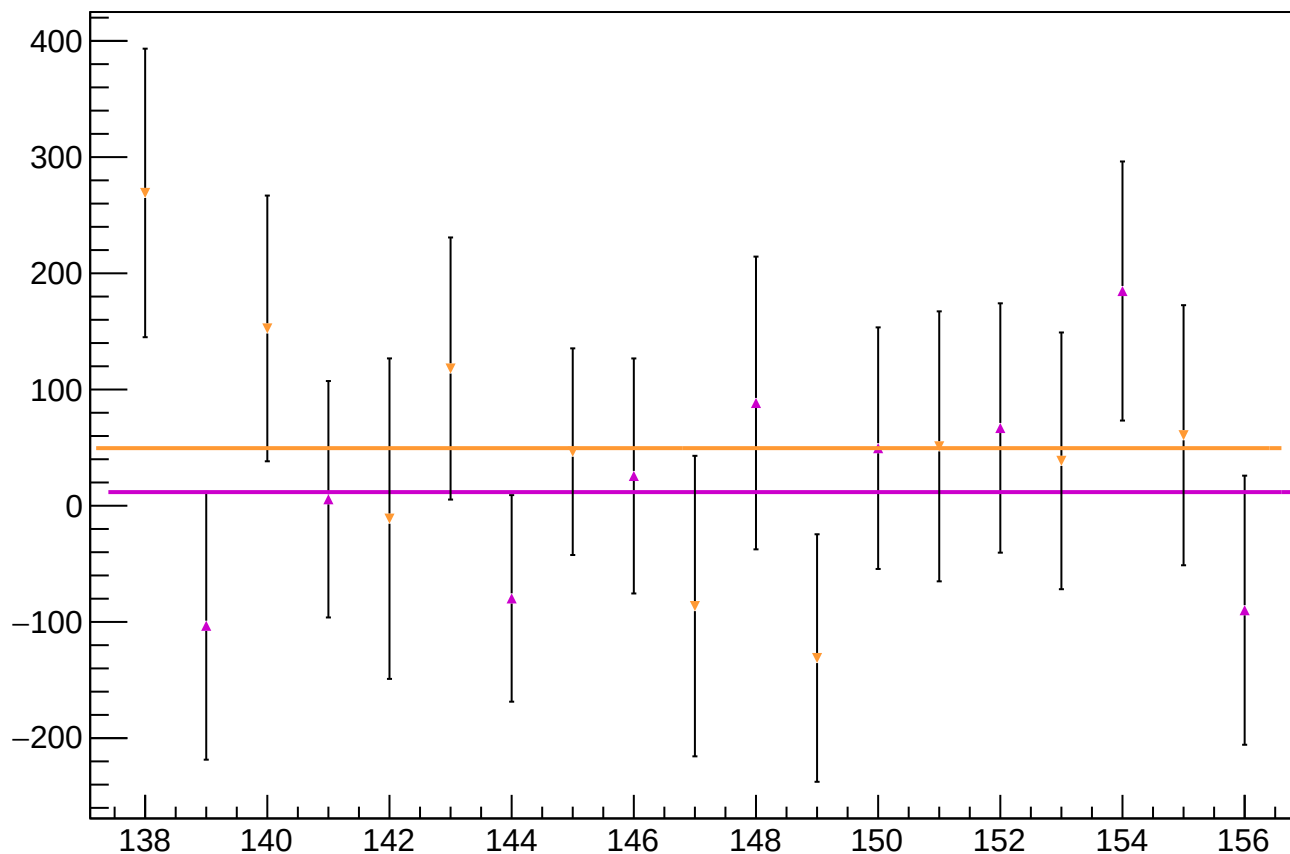
Left In: 489.524 $\pm$ 0.129 χ^2/NDF : 227404.4/8

553.439 $\pm$ 0.109 χ^2/NDF : 2088085.2/26

557.107 $\pm$ 0.077 χ^2/NDF : 4240241.1/55

560.748 $\pm$ 0.109 χ^2/NDF : 2149896.8/28

reg_asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 49.554+/-35.739 χ^2/NDF : 8.5/9

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

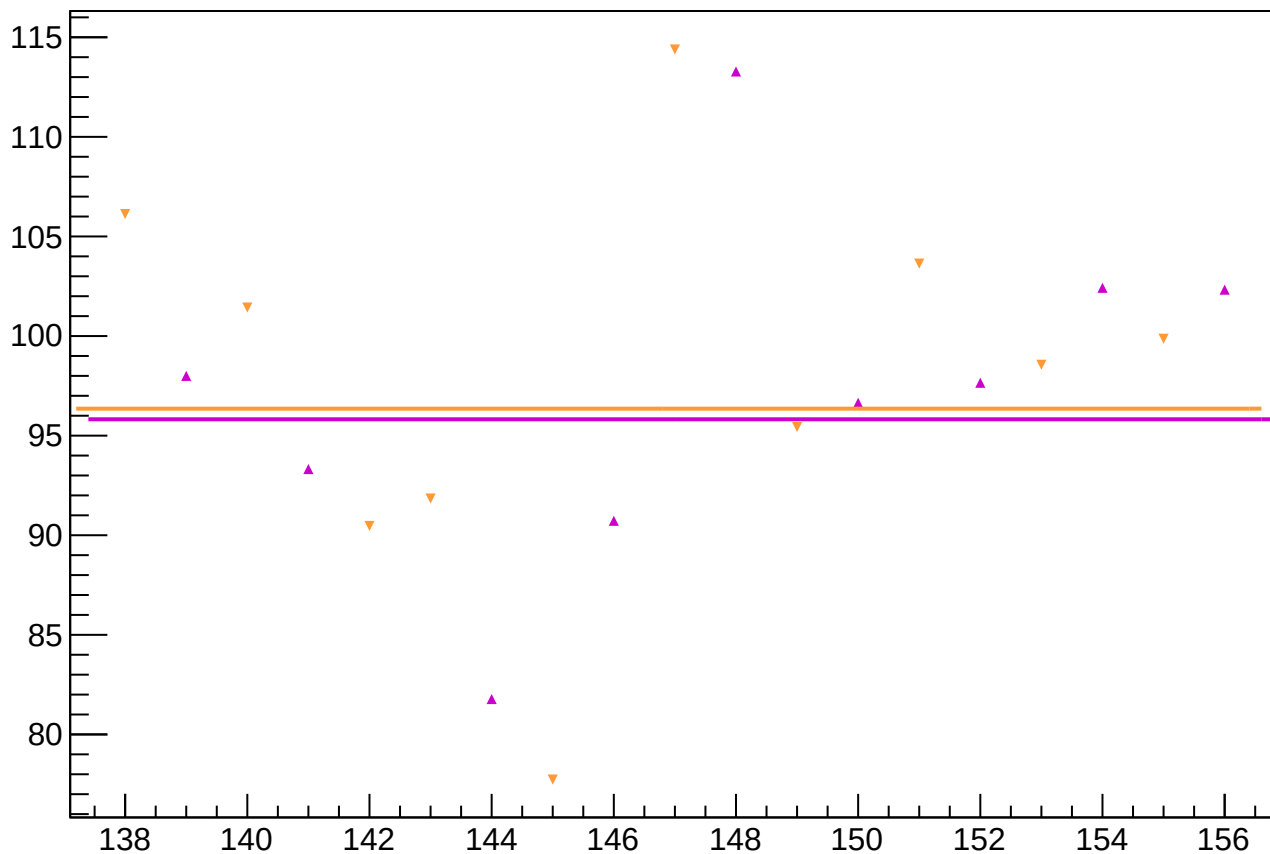
Left In: 11.722+/-35.494 χ^2/NDF : 6.0/8

49.554+/-35.739 χ^2/NDF : 8.5/9

30.508+/-25.184 χ^2/NDF : 15.1/18

11.722+/-35.494 χ^2/NDF : 6.0/8

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

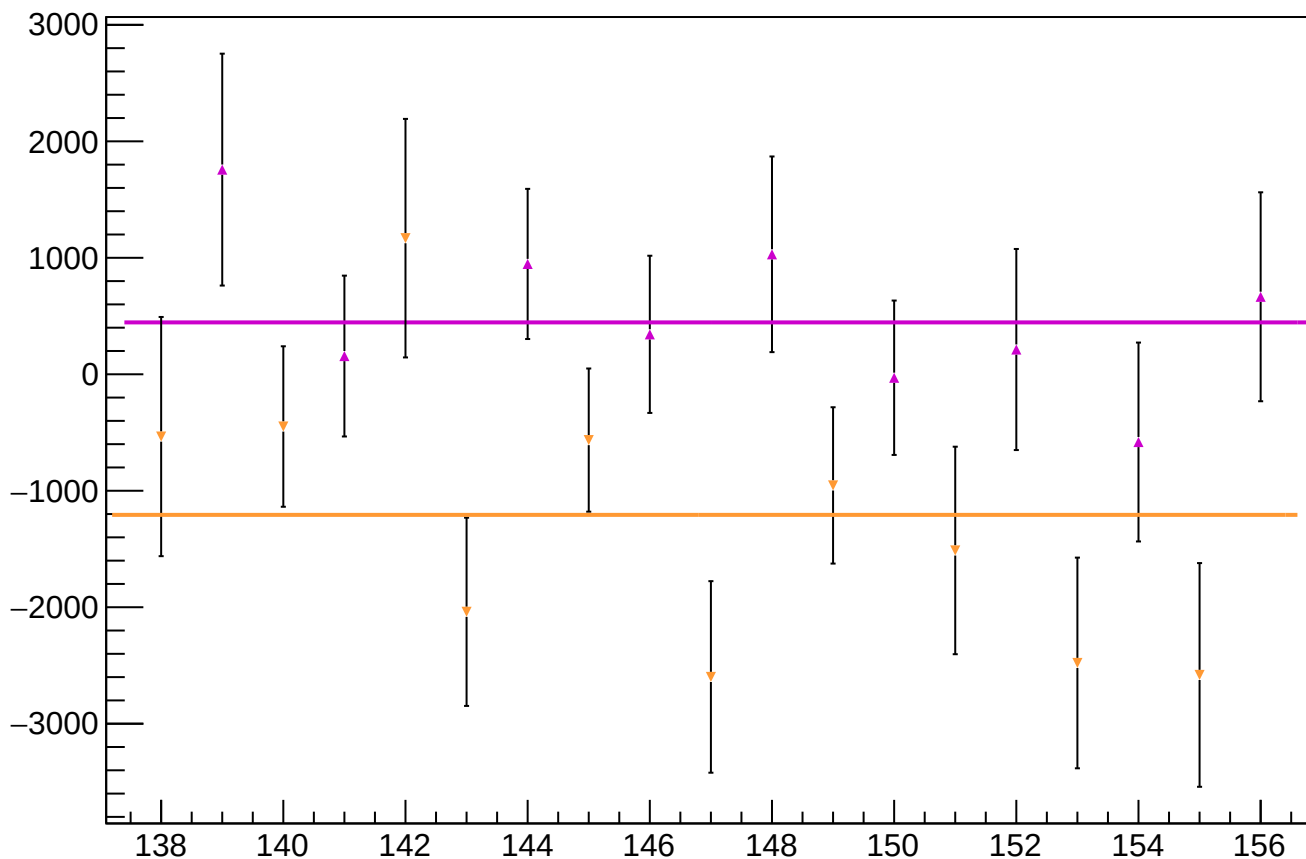
Left In: 95.822+/-0.025 χ^2/NDF : 109402.1/8

96.355+/-0.025 χ^2/NDF : 160544.4/9

96.087+/-0.018 χ^2/NDF : 270170.9/18

95.822+/-0.025 χ^2/NDF : 109402.1/8

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -1206.995 $\pm$ 254.387 χ^2 /NDF:16.3/9

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

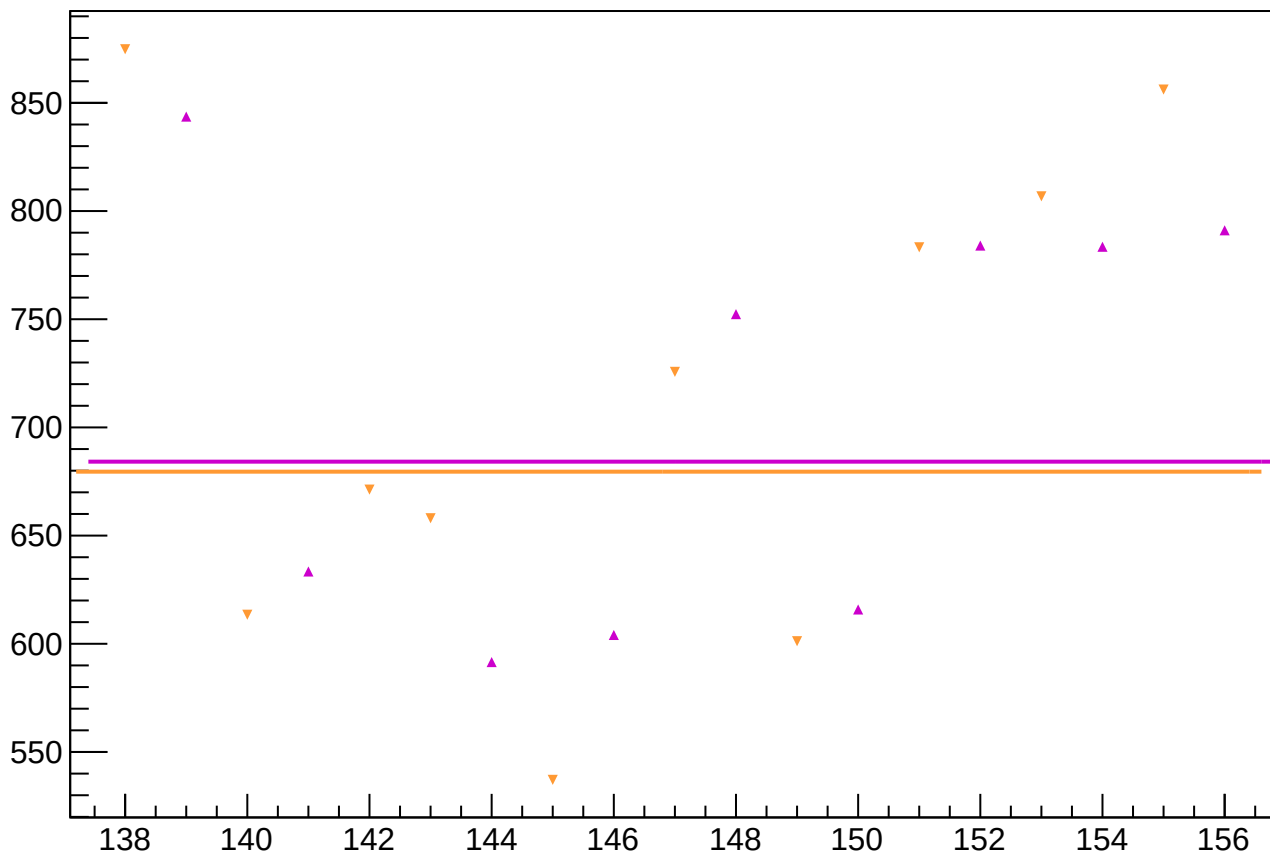
Left In: 445.431 $\pm$ 255.149 χ^2 /NDF:5.1/8

-1206.995 $\pm$ 254.387 χ^2 /NDF: 16.3/9

-383.251 $\pm$ 180.148 χ^2 /NDF: 42.5/18

445.431 $\pm$ 255.149 χ^2 /NDF: 5.1/8

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 679.547+/-0.180 χ^2/NDF : 367558.2/9

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

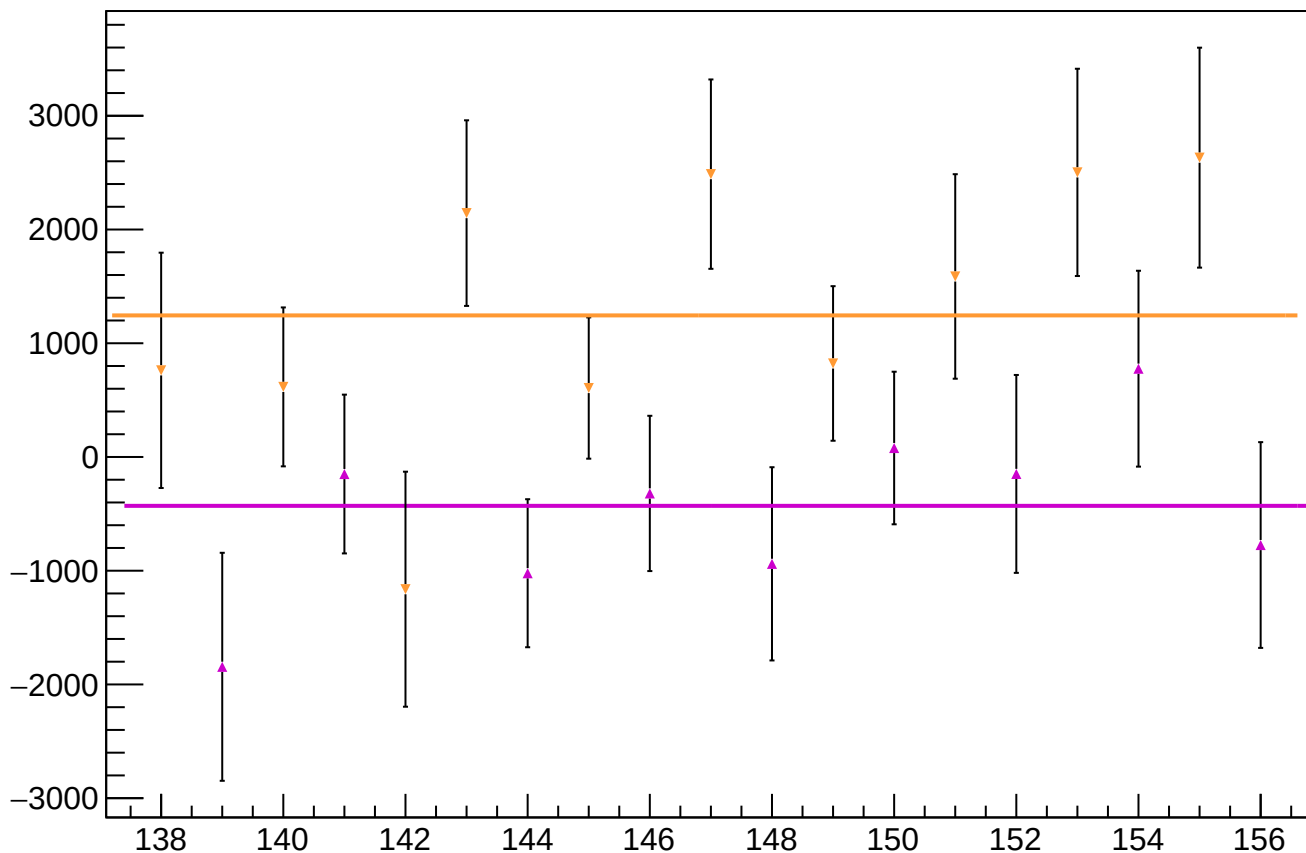
Left In: 684.174+/-0.180 χ^2/NDF : 248312.8/8

679.547+/-0.180 χ^2/NDF : 367558.2/9

681.853+/-0.127 χ^2/NDF : 616200.8/18

684.174+/-0.180 χ^2/NDF : 248312.8/8

asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 1244.829+/-257.068 χ^2/NDF : 15.4/9

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

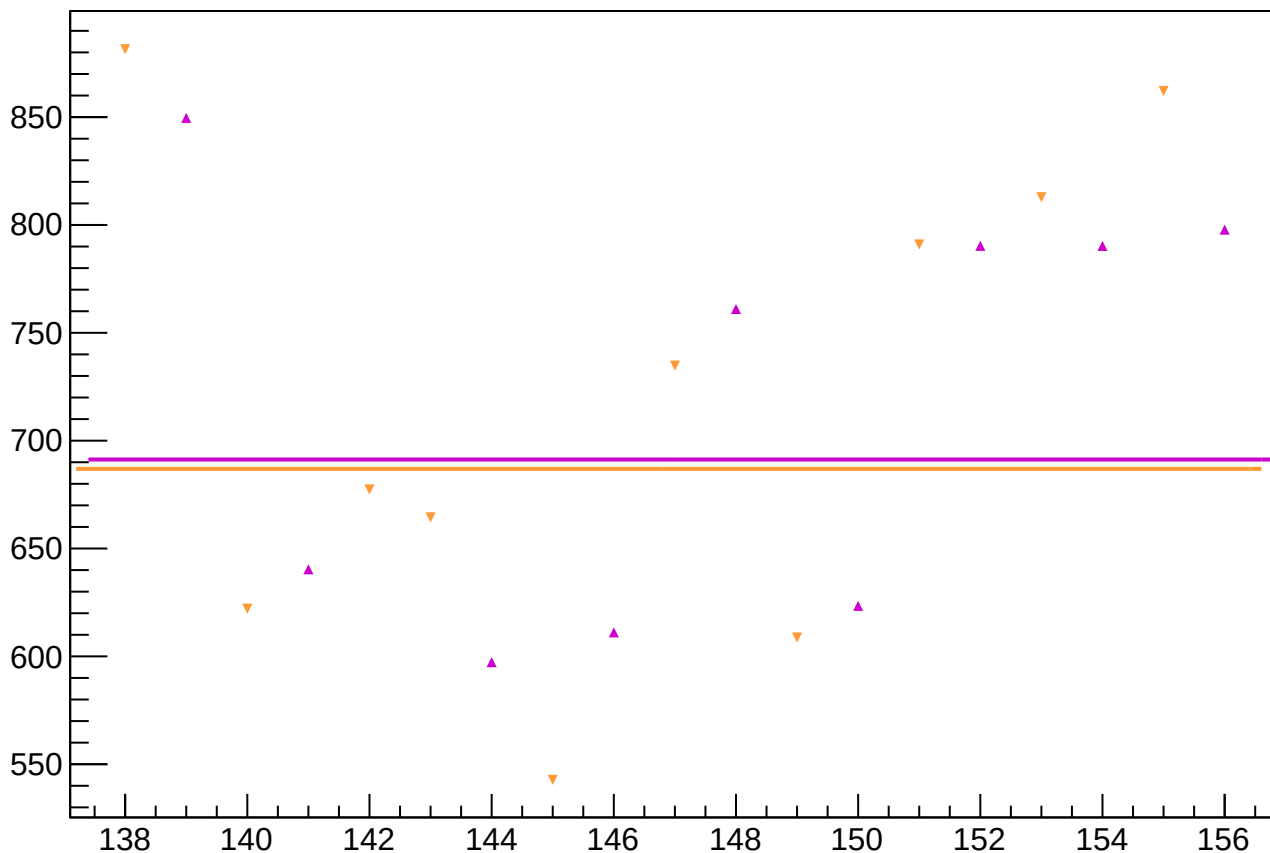
Left In: -429.635+/-257.734 χ^2/NDF : 6.2/8

1244.829+/-257.068 χ^2/NDF : 15.4/9

409.765+/-182.009 χ^2/NDF : 42.8/18

-429.635+/-257.734 χ^2/NDF : 6.2/8

asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 686.926+/-0.182 χ^2/NDF : 361069.7/9

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

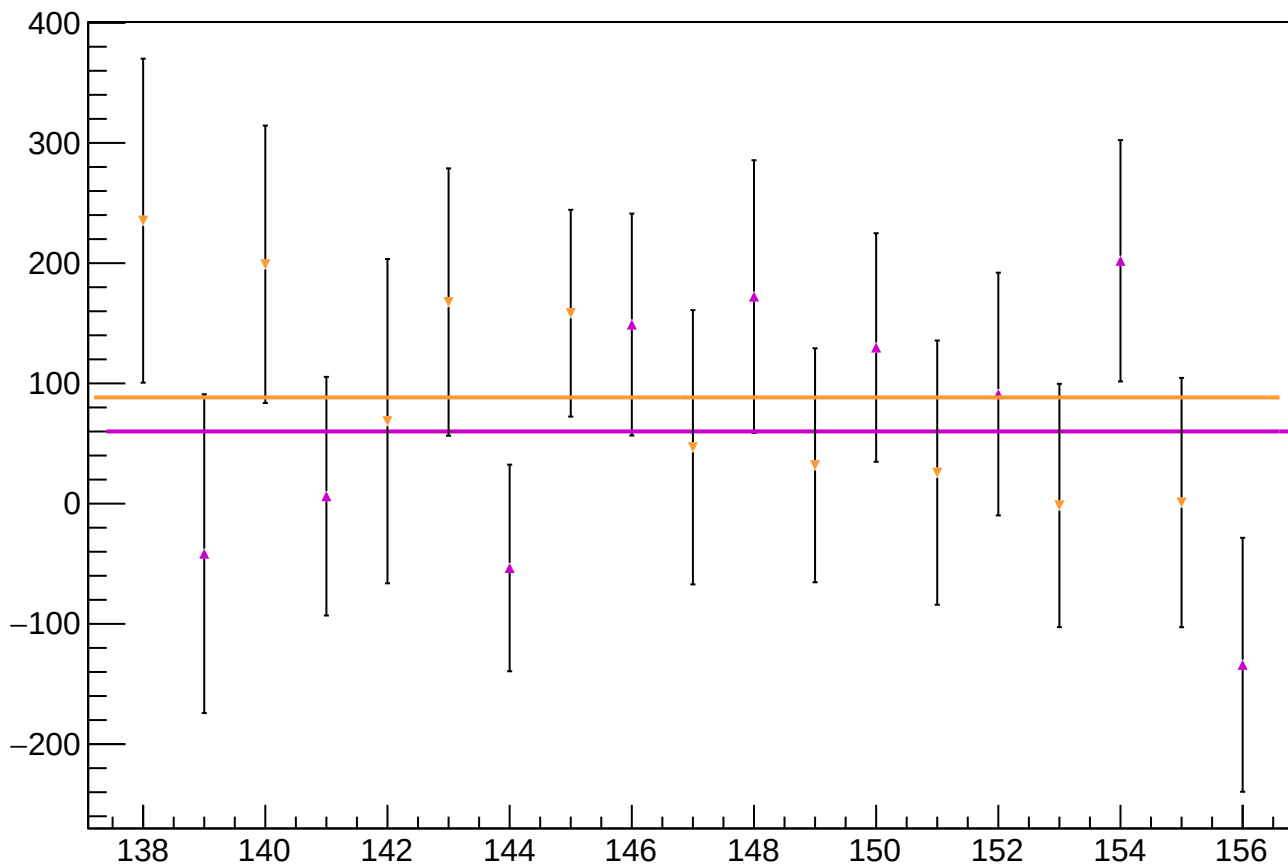
Left In: 691.269+/-0.182 χ^2/NDF : 243908.4/8

686.926+/-0.182 χ^2/NDF : 361069.7/9

689.092+/-0.129 χ^2/NDF : 605262.9/18

691.269+/-0.182 χ^2/NDF : 243908.4/8

reg_asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 88.321+/-34.152 χ^2/NDF : 5.6/9

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

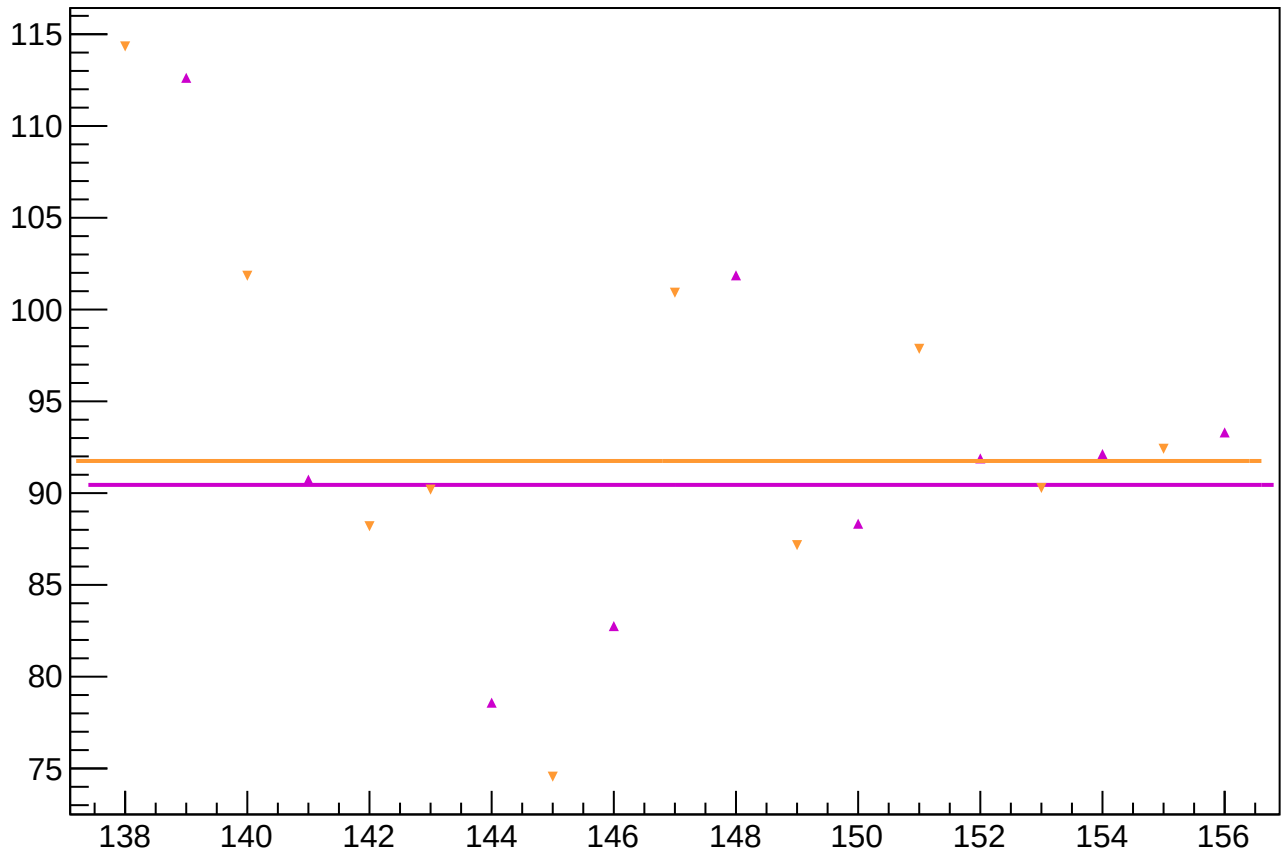
Left In: 60.056+/-33.580 χ^2/NDF : 10.5/8

88.321+/-34.152 χ^2/NDF : 5.6/9

73.950+/-23.944 χ^2/NDF : 16.5/18

60.056+/-33.580 χ^2/NDF : 10.5/8

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 91.751+/-0.024 χ^2/NDF :177325.7/9

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

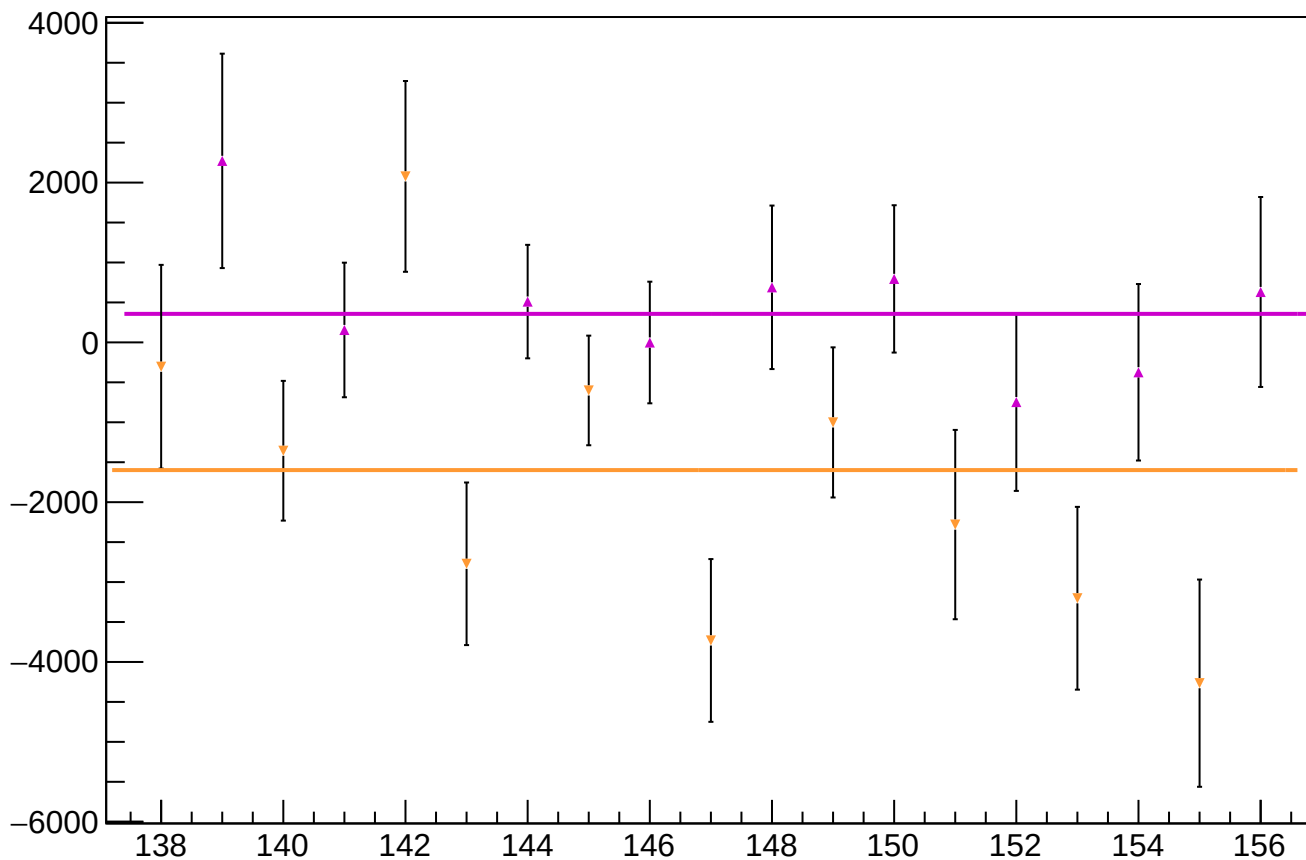
Left In: 90.448+/-0.024 χ^2/NDF :131713.5/8

91.751+/-0.024 χ^2/NDF : 177325.7/9

91.088+/-0.017 χ^2/NDF : 310519.7/18

90.448+/-0.024 χ^2/NDF : 131713.5/8

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

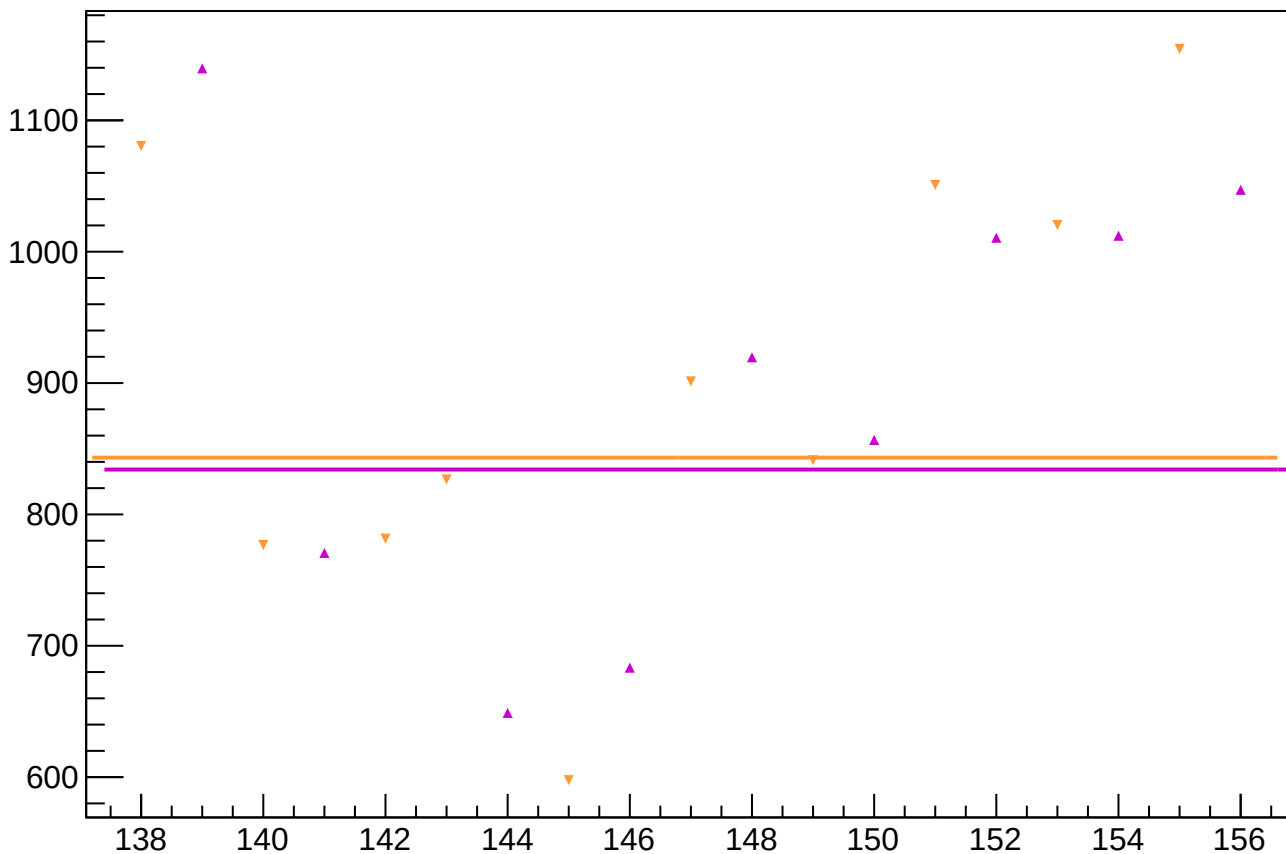
Left In: 356.917+/-314.031 χ^2/NDF : 4.2/8

-1598.408+/-318.094 χ^2/NDF : 25.3/9

-608.178+/-223.476 χ^2/NDF : 48.6/18

356.917+/-314.031 χ^2/NDF : 4.2/8

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 843.223+/-0.225 χ^2/NDF : 573895.9/9

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

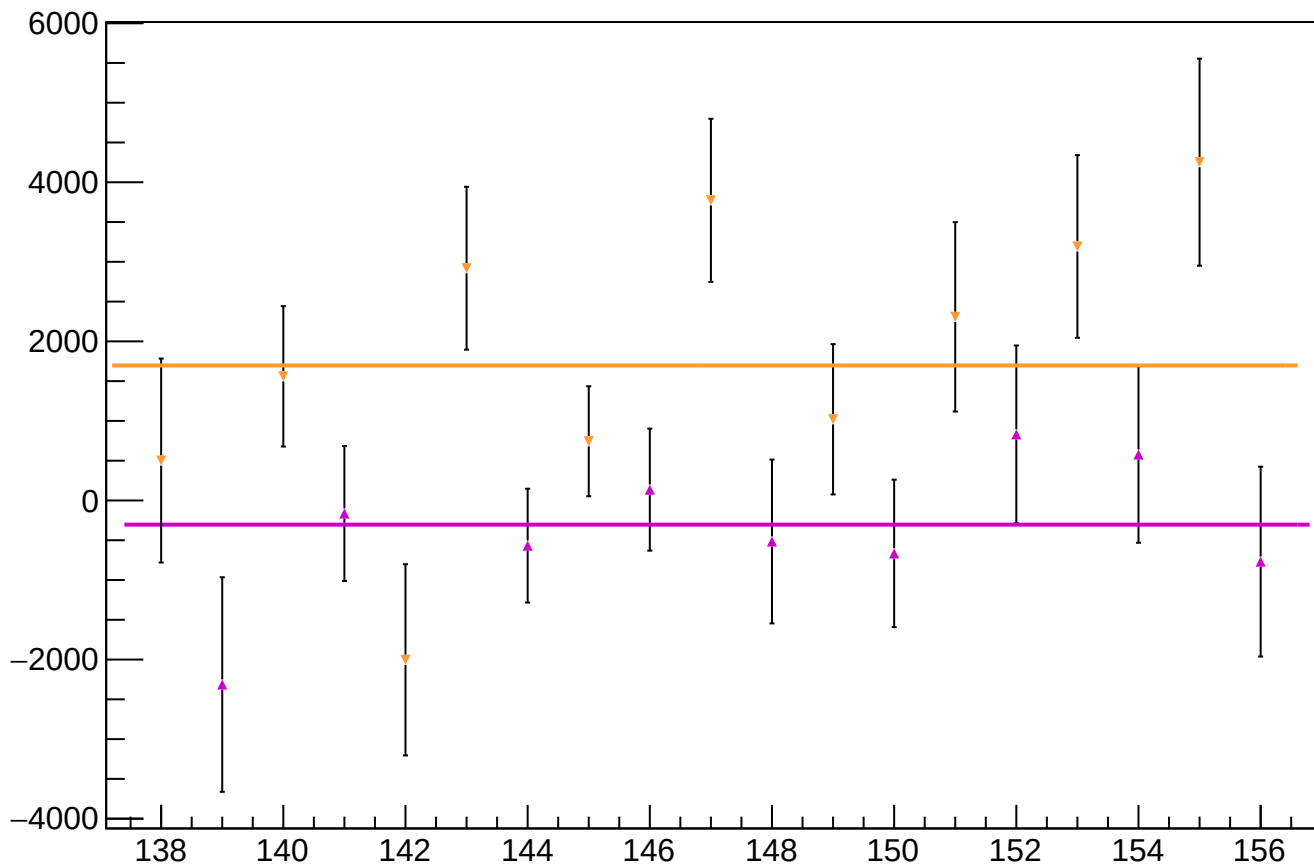
Left In: 834.165+/-0.222 χ^2/NDF : 511188.7/8

843.223+/-0.225 χ^2/NDF : 573895.9/9

838.636+/-0.158 χ^2/NDF : 1085906.0/18

834.165+/-0.222 χ^2/NDF : 511188.7/8

asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 1697.284+/-320.120 χ^2/NDF : 24.1/9

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

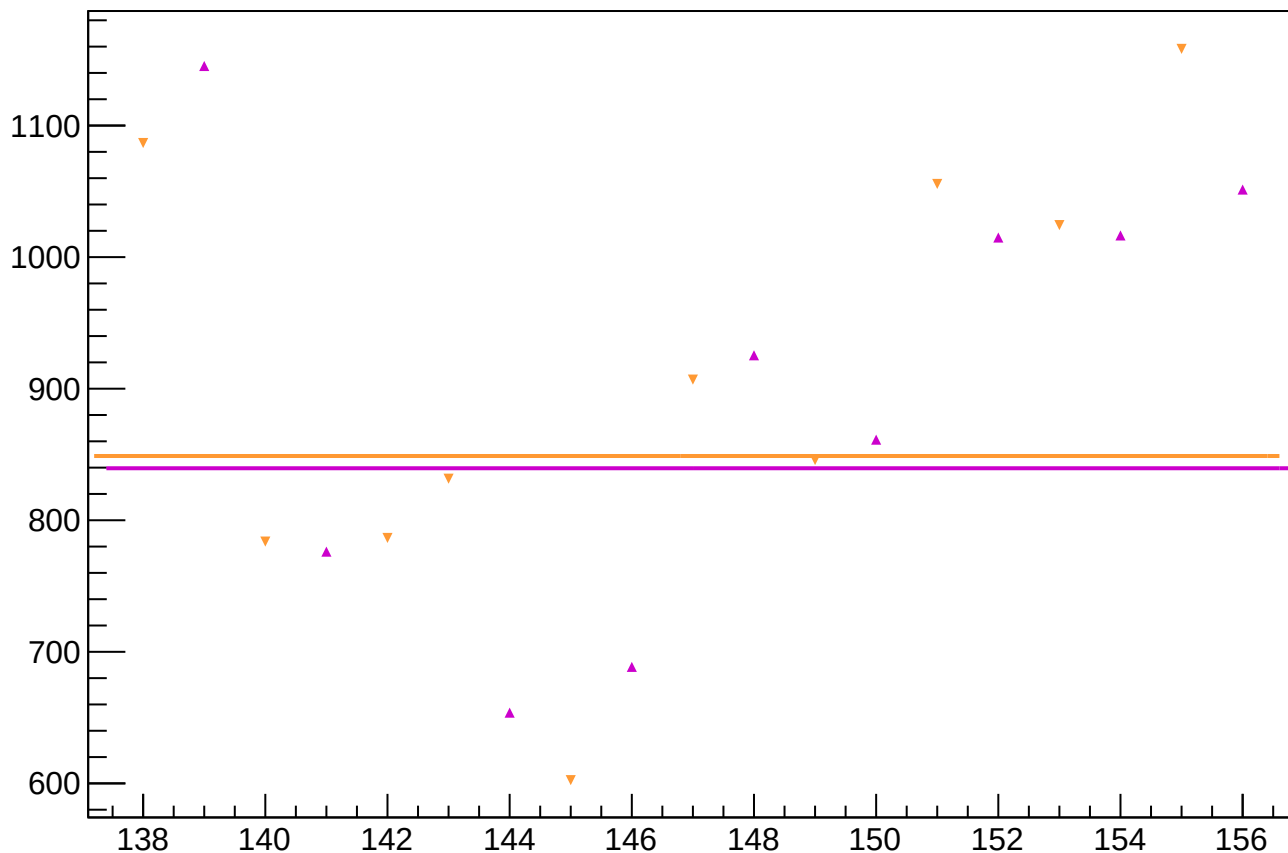
Left In: -303.829+/-315.965 χ^2/NDF : 4.7/8

1697.284+/-320.120 χ^2/NDF : 24.1/9

683.657+/-224.875 χ^2/NDF : 48.6/18

-303.829+/-315.965 χ^2/NDF : 4.7/8

asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 848.836+/-0.226 χ^2/NDF : 566197.0/9

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

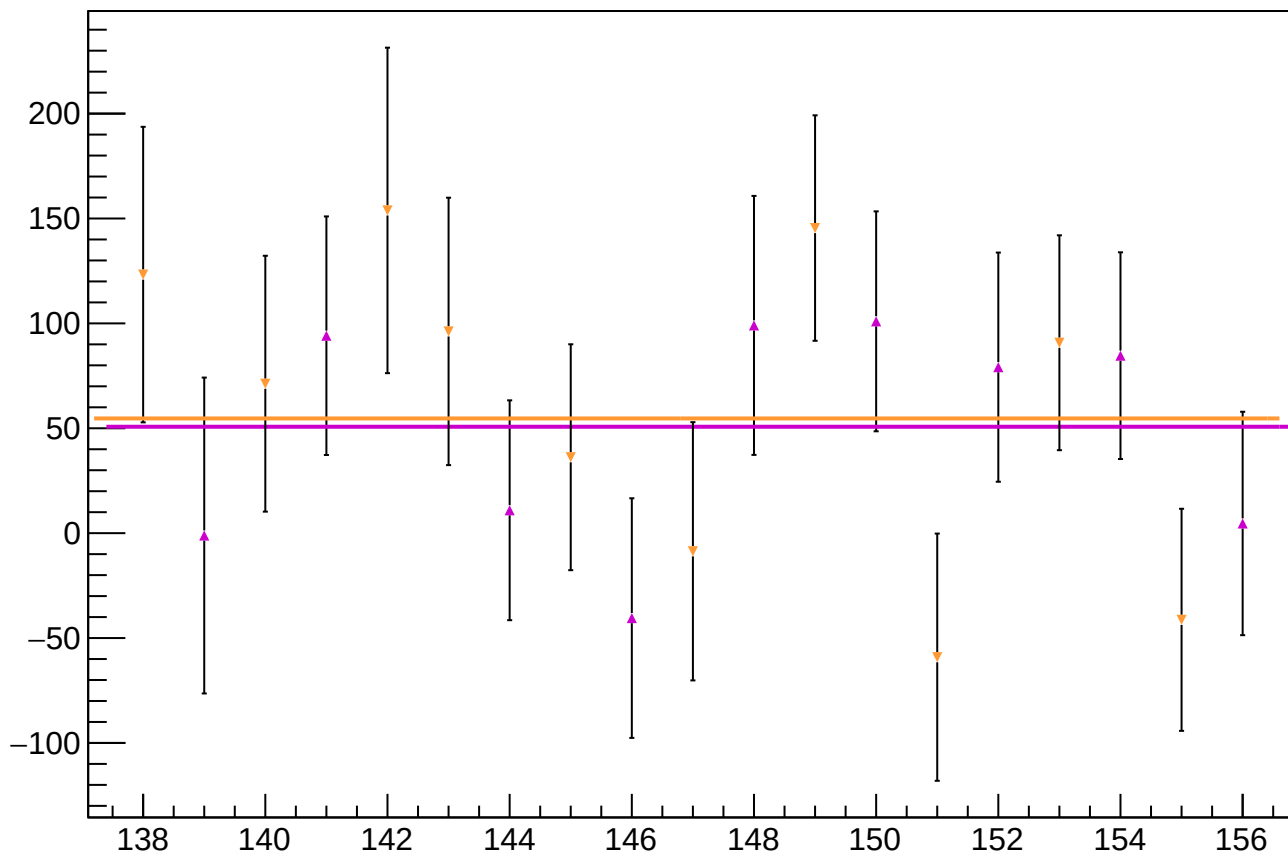
Left In: 839.524+/-0.223 χ^2/NDF : 504476.4/8

848.836+/-0.226 χ^2/NDF : 566197.0/9

844.120+/-0.159 χ^2/NDF : 1071530.6/18

839.524+/-0.223 χ^2/NDF : 504476.4/8

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 54.687+/-18.686 χ^2/NDF : 14.6/9

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

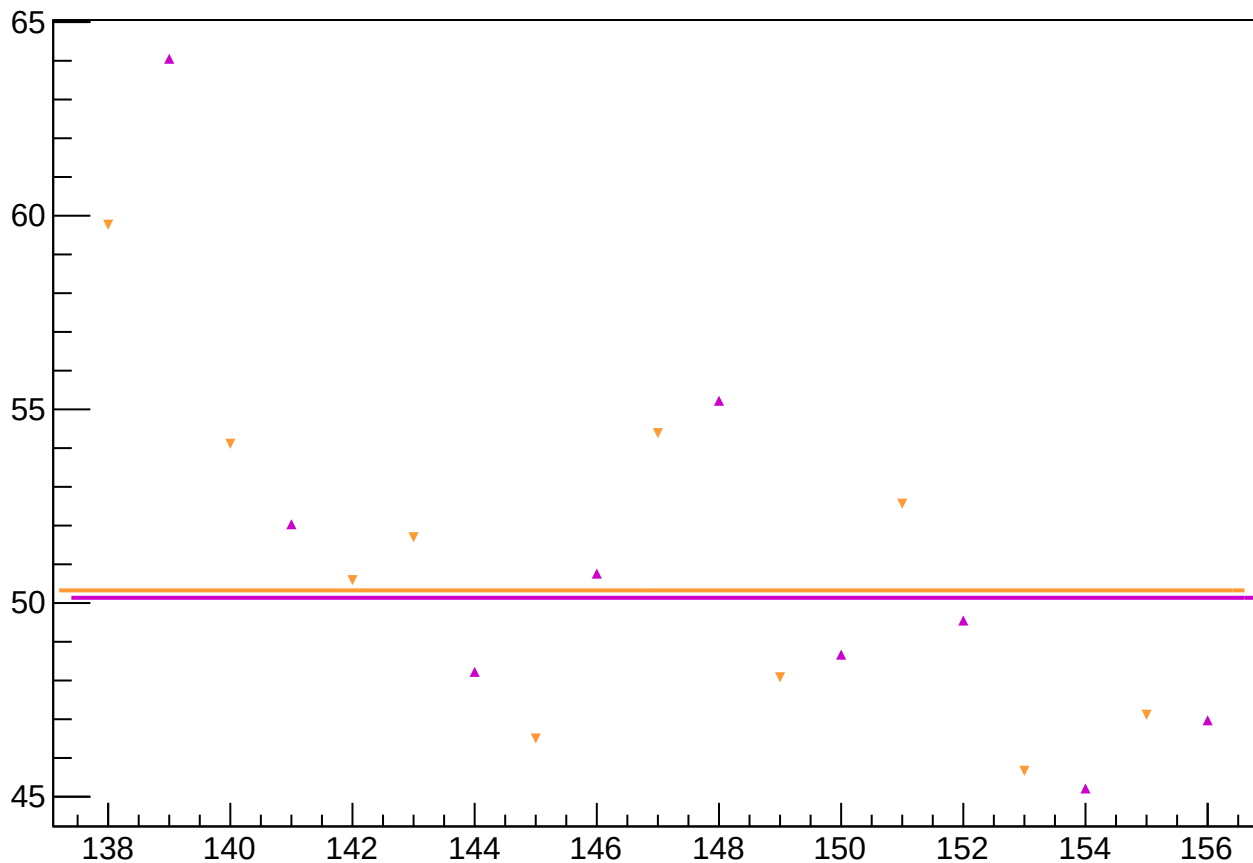
Left In: 50.727+/-18.626 χ^2/NDF : 7.2/8

54.687+/-18.686 χ^2/NDF : 14.6/9

52.701+/-13.192 χ^2/NDF : 21.9/18

50.727+/-18.626 χ^2/NDF : 7.2/8

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 50.327+/-0.013 χ^2/NDF : 93638.7/9

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

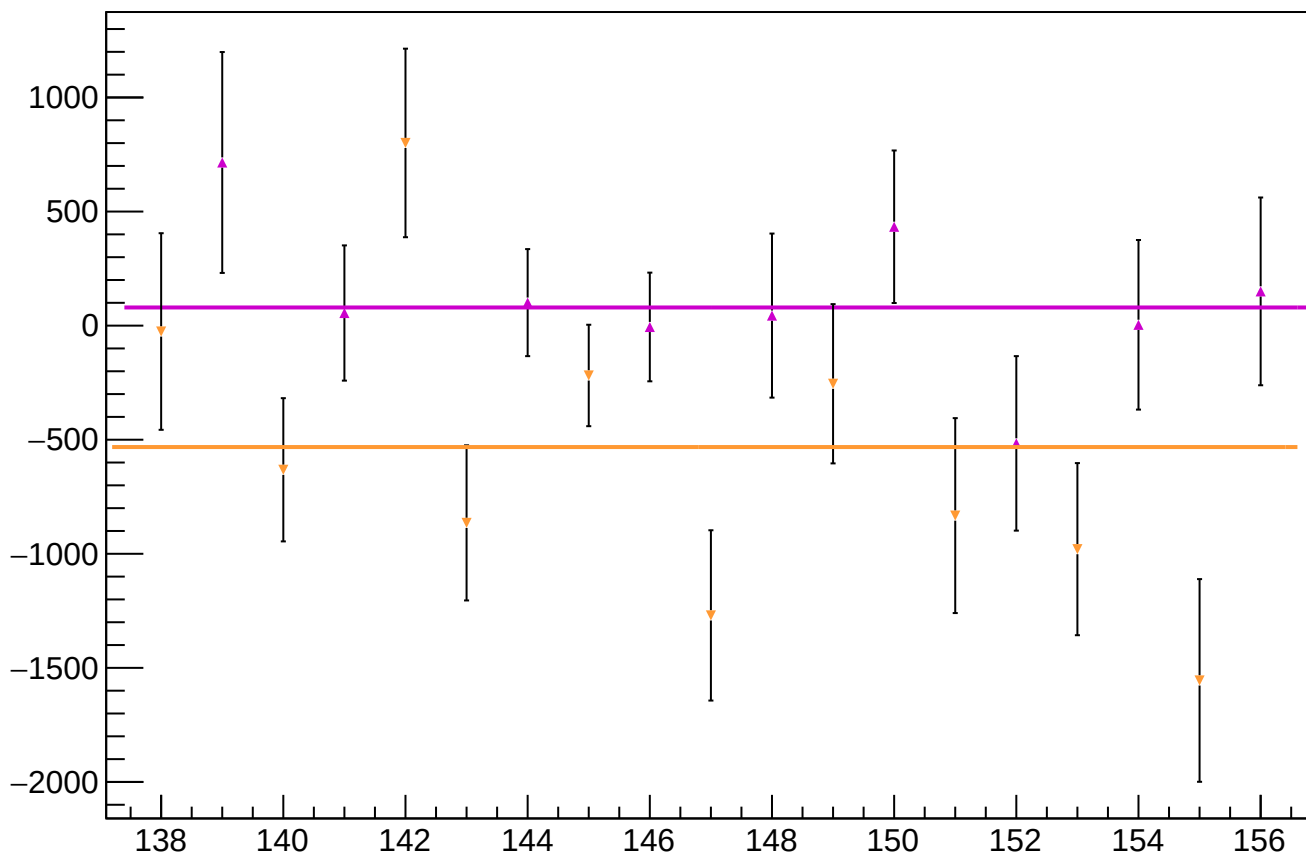
Left In: 50.136+/-0.013 χ^2/NDF : 115859.3/8

50.327+/-0.013 χ^2/NDF : 93638.7/9

50.231+/-0.009 χ^2/NDF : 209603.1/18

50.136+/-0.013 χ^2/NDF : 115859.3/8

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

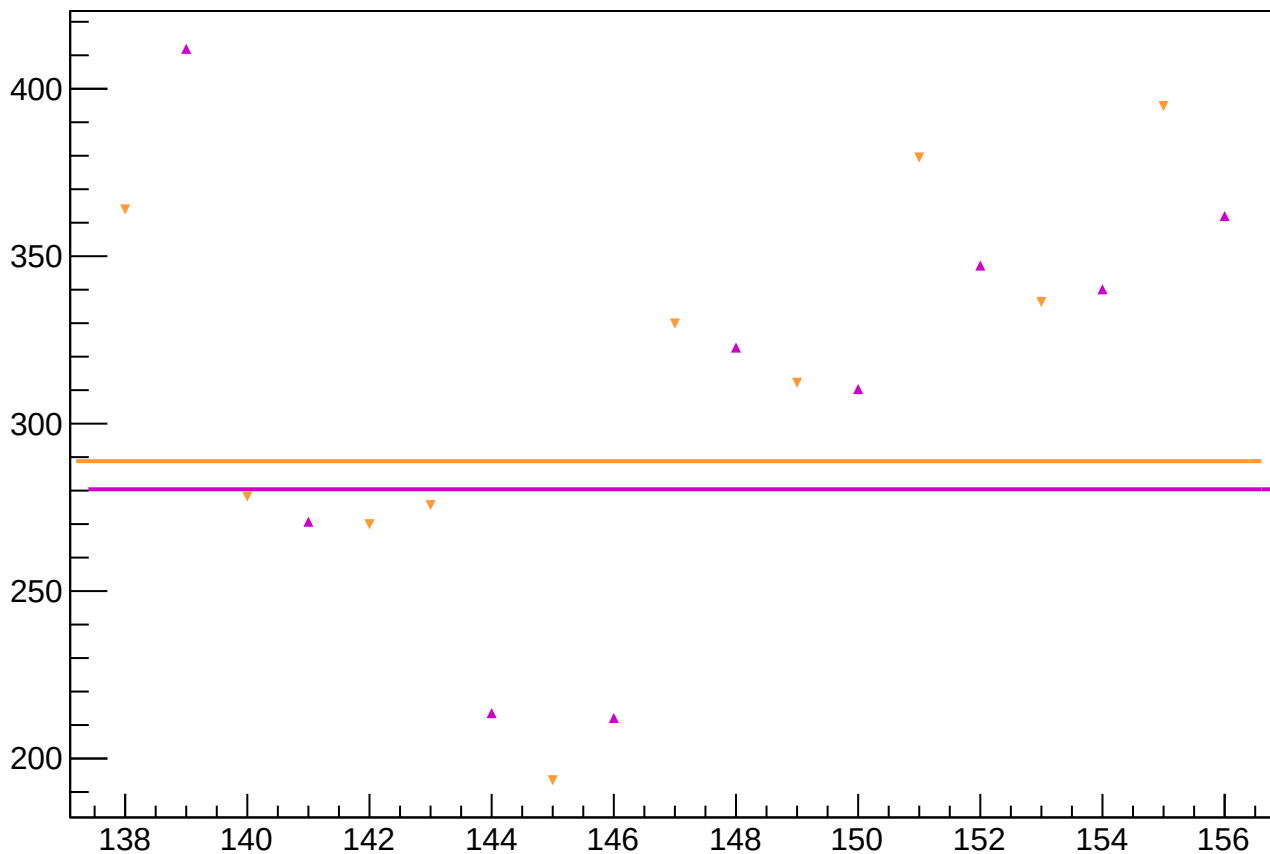
Left In: 79.599+/-106.528 χ^2/NDF : 5.5/8

-532.177+/-109.601 χ^2/NDF : 26.6/9

-217.594+/-76.390 χ^2/NDF : 48.1/18

79.599+/-106.528 χ^2/NDF : 5.5/8

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 288.801+/-0.077 χ^2/NDF : 706885.0/9

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

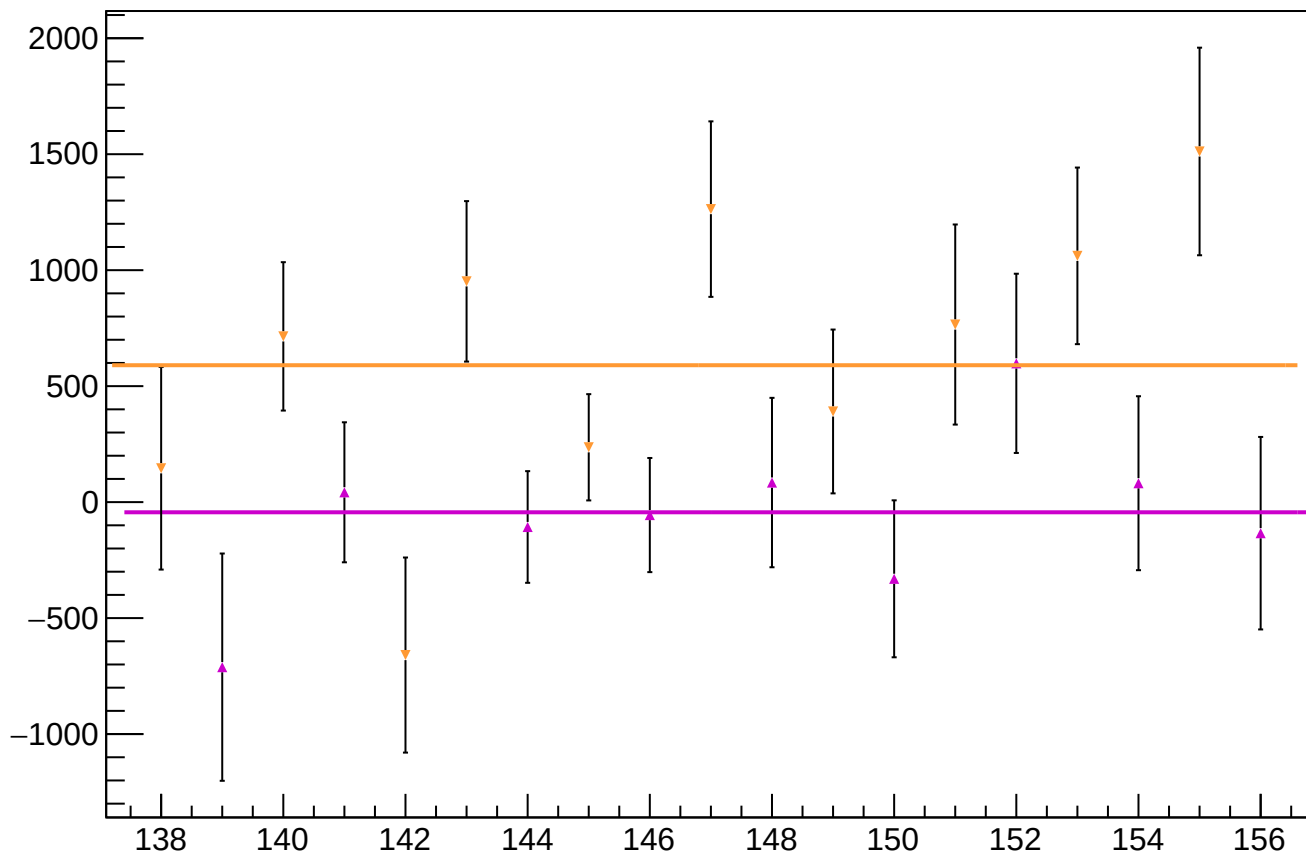
Left In: 280.396+/-0.075 χ^2/NDF : 711603.4/8

288.801+/-0.077 χ^2/NDF : 706885.0/9

284.479+/-0.054 χ^2/NDF : 1424537.0/18

280.396+/-0.075 χ^2/NDF : 711603.4/8

asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 590.225+/-111.556 χ^2/NDF : 22.9/9

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

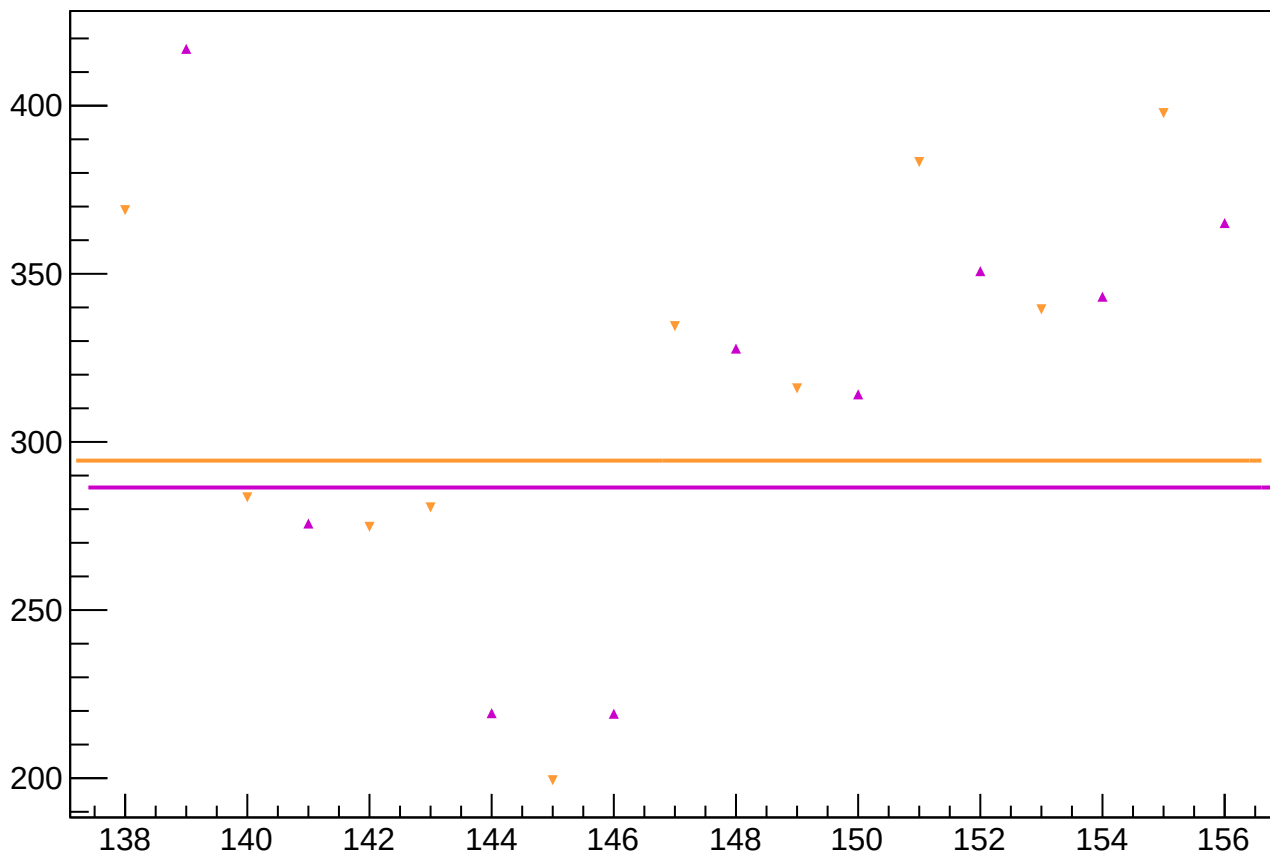
Left In: -43.835+/-108.615 χ^2/NDF : 5.8/8

590.225+/-111.556 χ^2/NDF : 22.9/9

264.727+/-77.821 χ^2/NDF : 45.3/18

-43.835+/-108.615 χ^2/NDF : 5.8/8

asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 294.446+/-0.079 χ^2/NDF : 661583.4/9

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

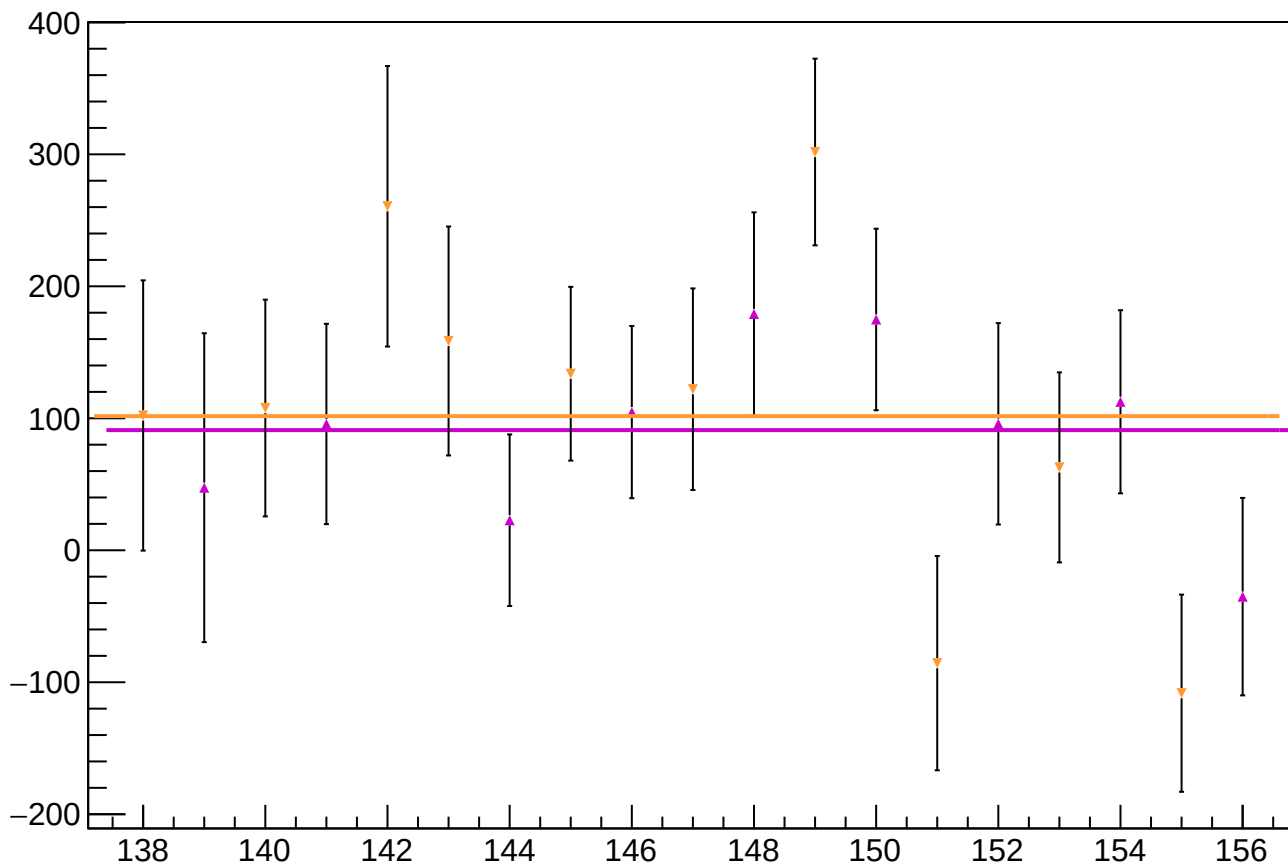
Left In: 286.449+/-0.077 χ^2/NDF : 661447.3/8

294.446+/-0.079 χ^2/NDF : 661583.4/9

290.340+/-0.055 χ^2/NDF : 1328306.7/18

286.449+/-0.077 χ^2/NDF : 661447.3/8

reg_asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 101.635+/-25.068 χ^2/NDF : 24.5/9

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

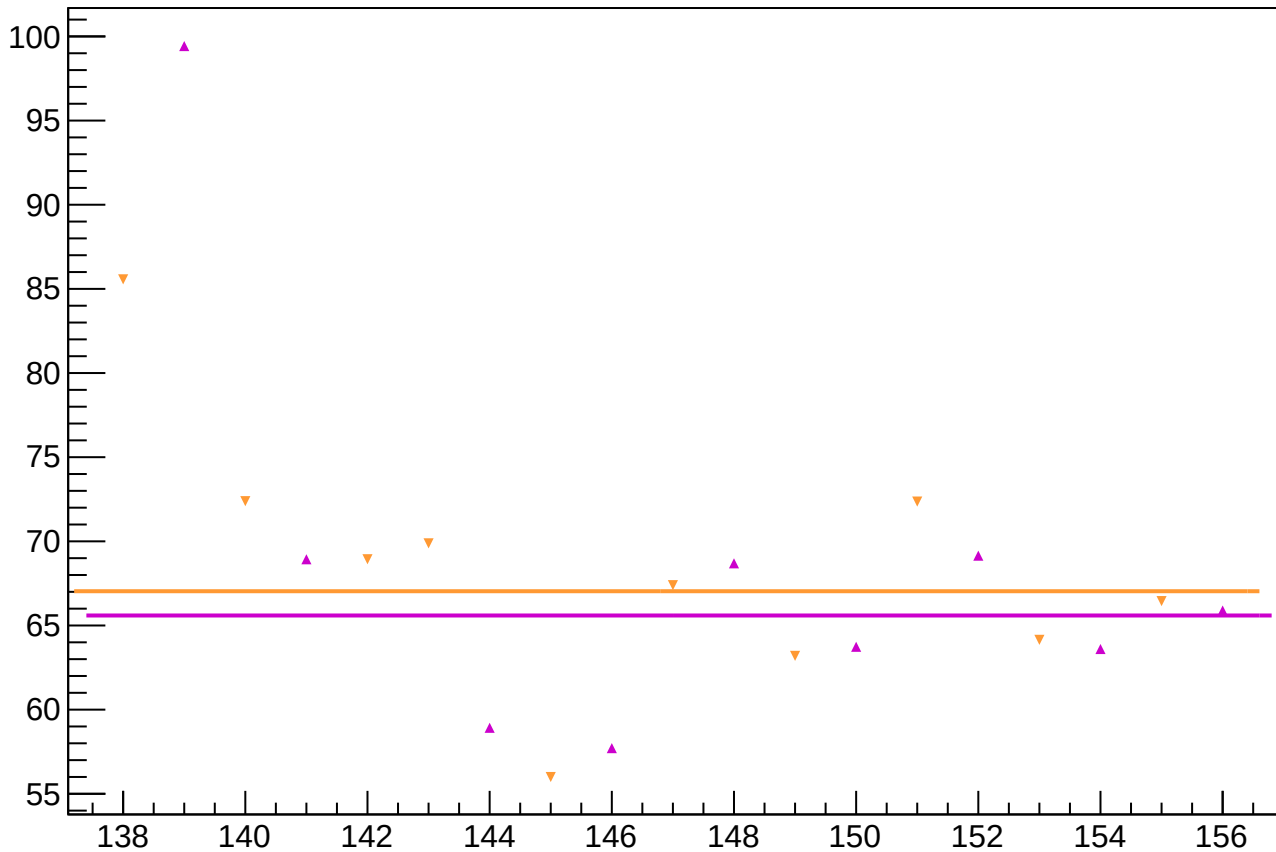
Left In: 91.038+/-24.568 χ^2/NDF : 7.0/8

101.635+/-25.068 χ^2/NDF : 24.5/9

96.230+/-17.546 χ^2/NDF : 31.6/18

91.038+/-24.568 χ^2/NDF : 7.0/8

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: 67.036 $\pm$ 0.018 χ^2/NDF :150954.4/9

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

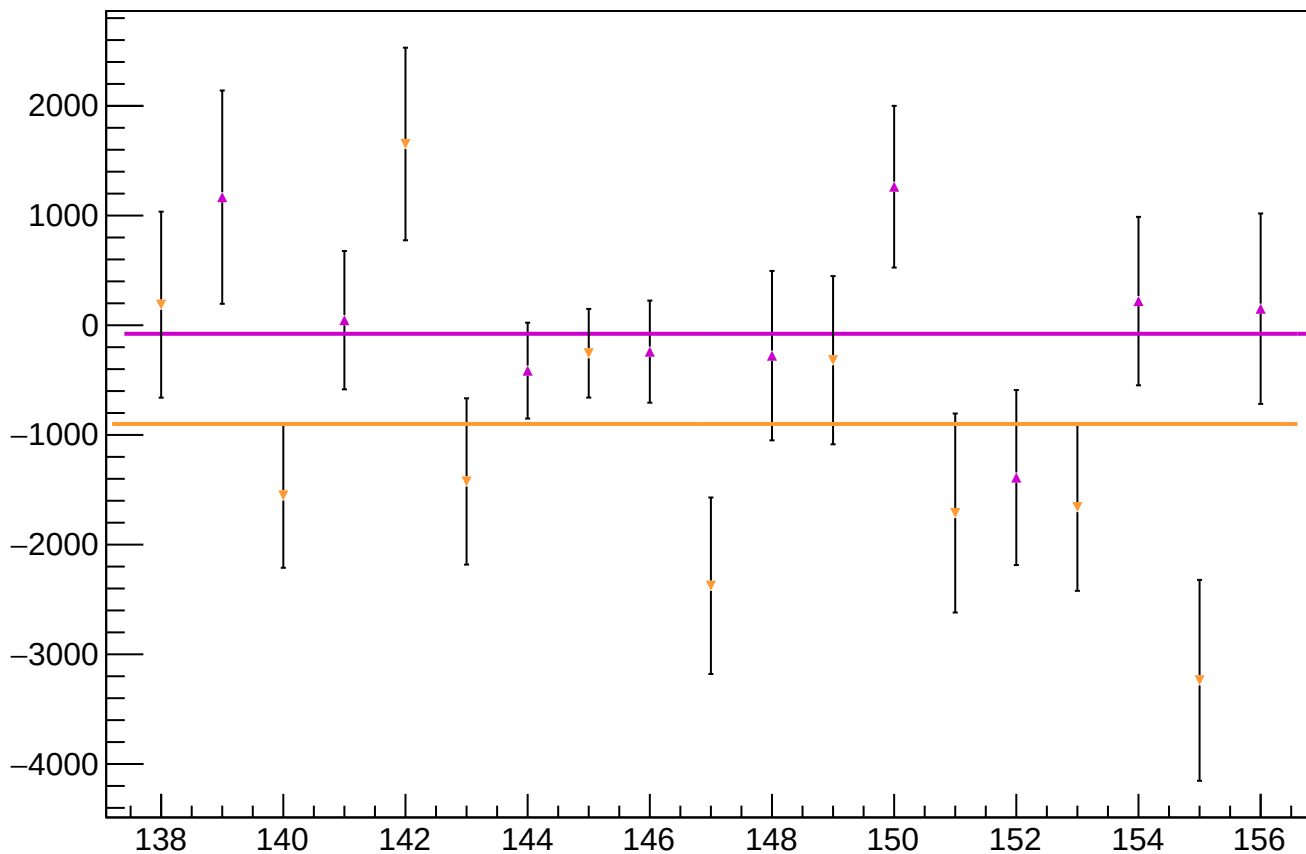
Left In: 65.594 $\pm$ 0.017 χ^2/NDF :232041.7/8

67.036 $\pm$ 0.018 χ^2/NDF : 150954.4/9

66.301 $\pm$ 0.012 χ^2/NDF : 386370.8/18

65.594 $\pm$ 0.017 χ^2/NDF : 232041.7/8

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -900.023+/-222.420 χ^2/NDF : 26.3/9

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

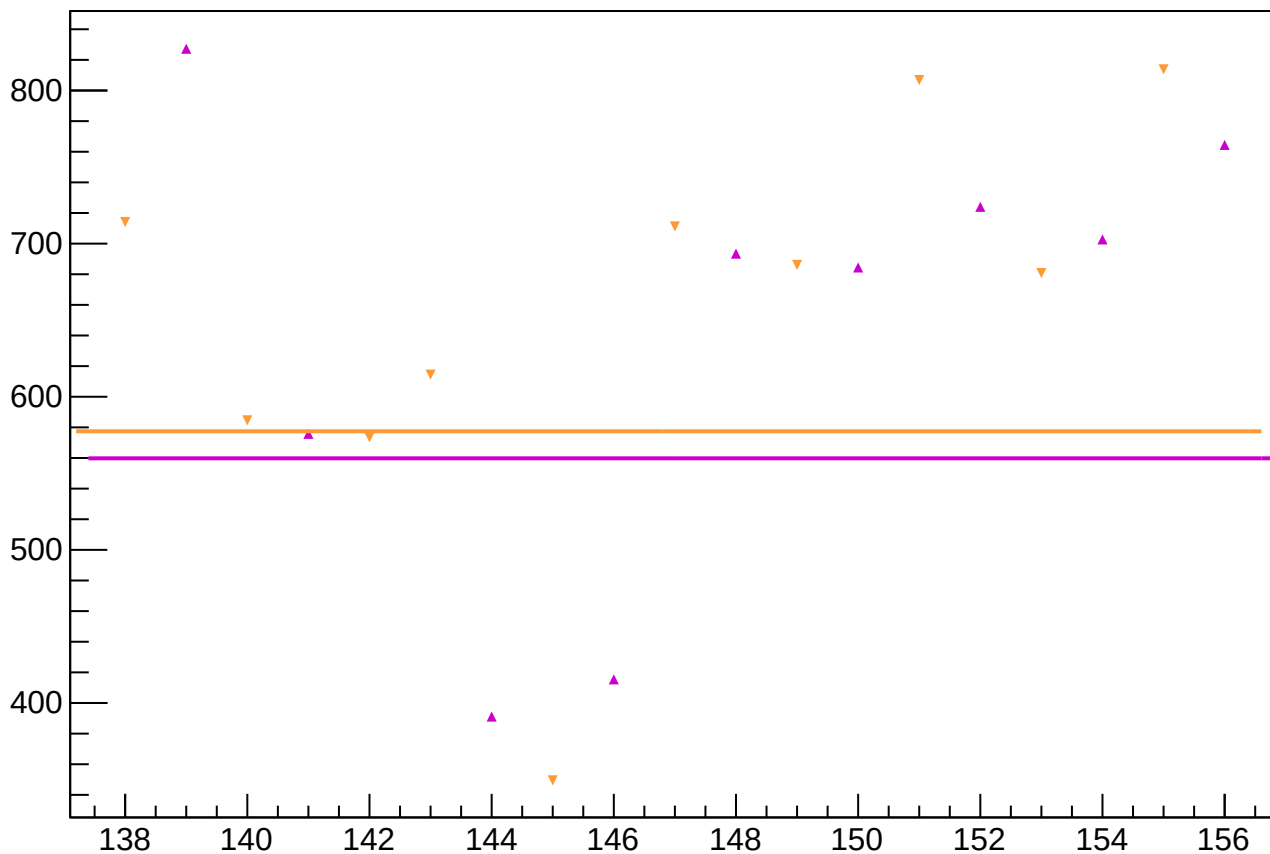
Left In: -77.681+/-215.494 χ^2/NDF : 8.7/8

-900.023+/-222.420 χ^2/NDF : 26.3/9

-475.849+/-154.768 χ^2/NDF : 42.1/18

-77.681+/-215.494 χ^2/NDF : 8.7/8

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 577.429+/-0.157 χ^2/NDF : 1086514.0/9

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

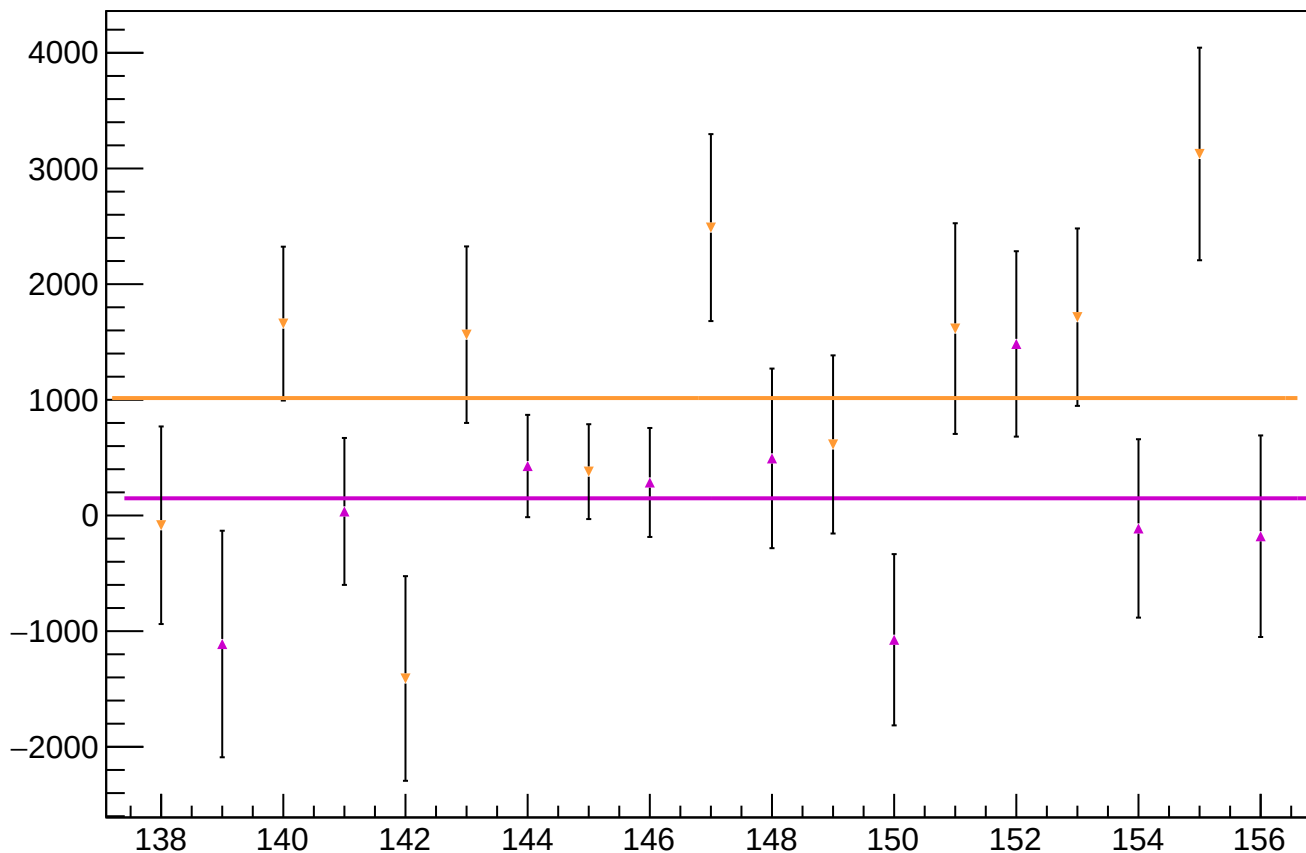
Left In: 559.783+/-0.152 χ^2/NDF : 1025203.5/8

577.429+/-0.157 χ^2/NDF : 1086514.0/9

568.327+/-0.109 χ^2/NDF : 2118211.1/18

559.783+/-0.152 χ^2/NDF : 1025203.5/8

asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 1015.202+/-224.274 χ^2/NDF : 23.2/9

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

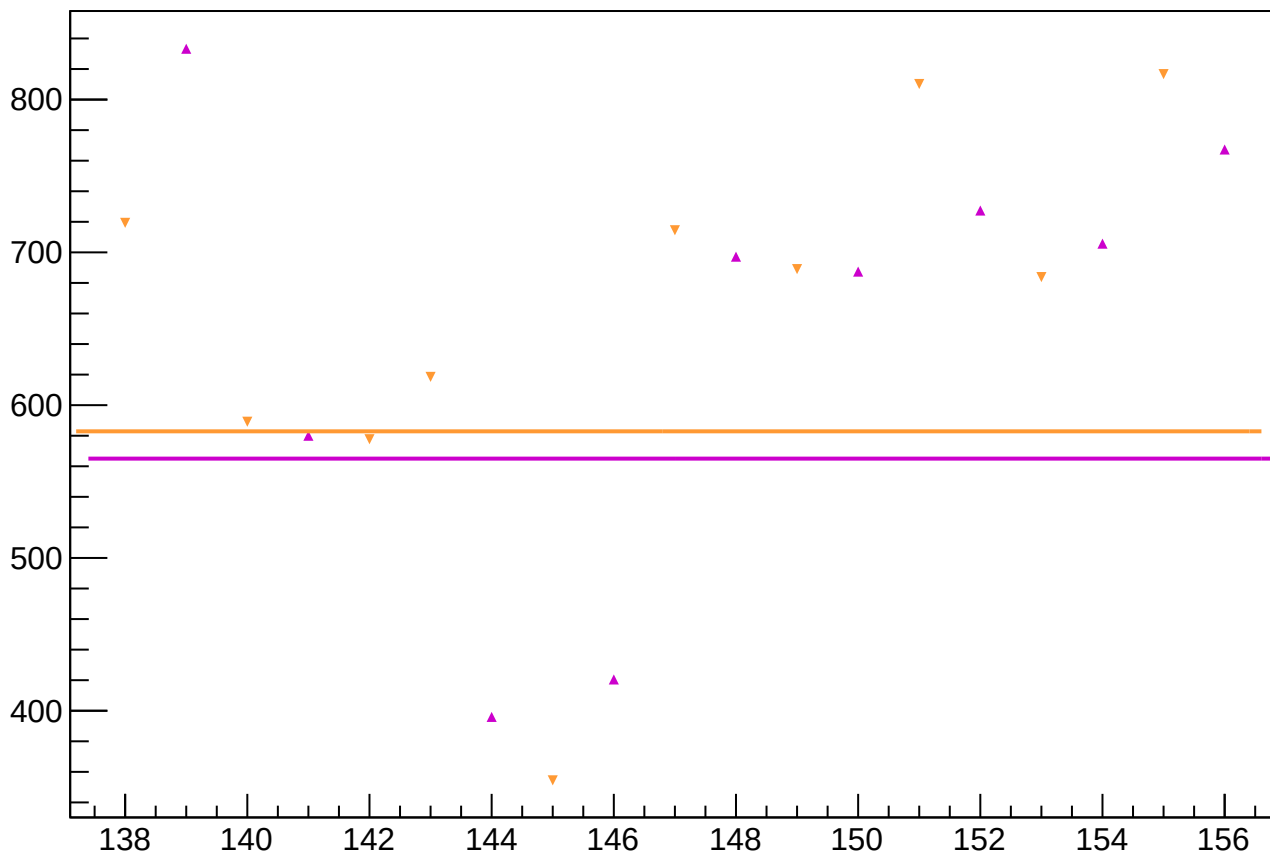
Left In: 148.547+/-217.301 χ^2/NDF : 8.1/8

1015.202+/-224.274 χ^2/NDF : 23.2/9

568.194+/-156.062 χ^2/NDF : 39.0/18

148.547+/-217.301 χ^2/NDF : 8.1/8

asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 582.875+/-0.159 χ^2/NDF : 1056102.2/9

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

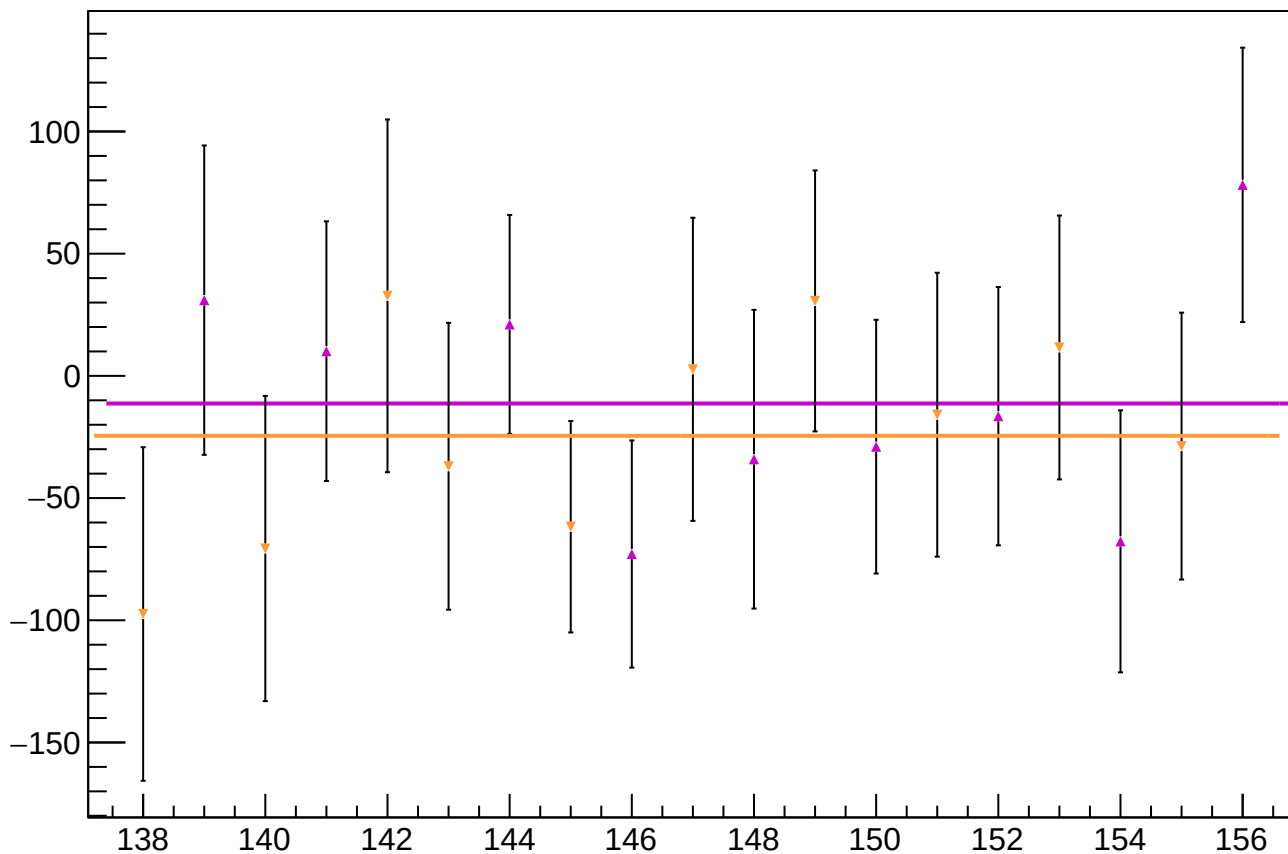
Left In: 565.016+/-0.154 χ^2/NDF : 1000692.3/8

582.875+/-0.159 χ^2/NDF : 1056102.2/9

573.663+/-0.110 χ^2/NDF : 2063335.3/18

565.016+/-0.154 χ^2/NDF : 1000692.3/8

reg_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -24.526+/-18.036 χ^2/NDF : 4.8/9

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

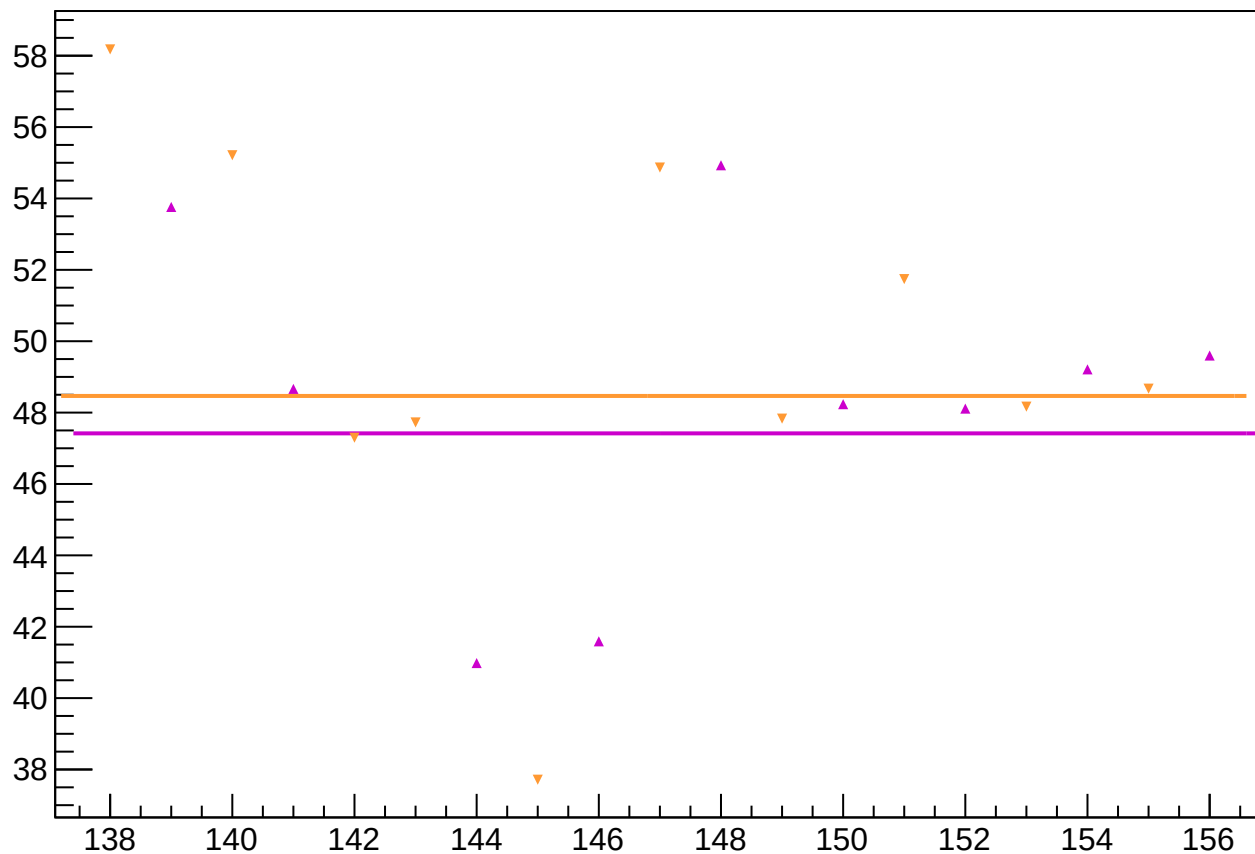
Left In: -11.302+/-17.602 χ^2/NDF : 6.8/8

-24.526+/-18.036 χ^2/NDF : 4.8/9

-17.753+/-12.597 χ^2/NDF : 11.9/18

-11.302+/-17.602 χ^2/NDF : 6.8/8

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 48.466+/-0.013 χ^2/NDF :216360.2/9

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

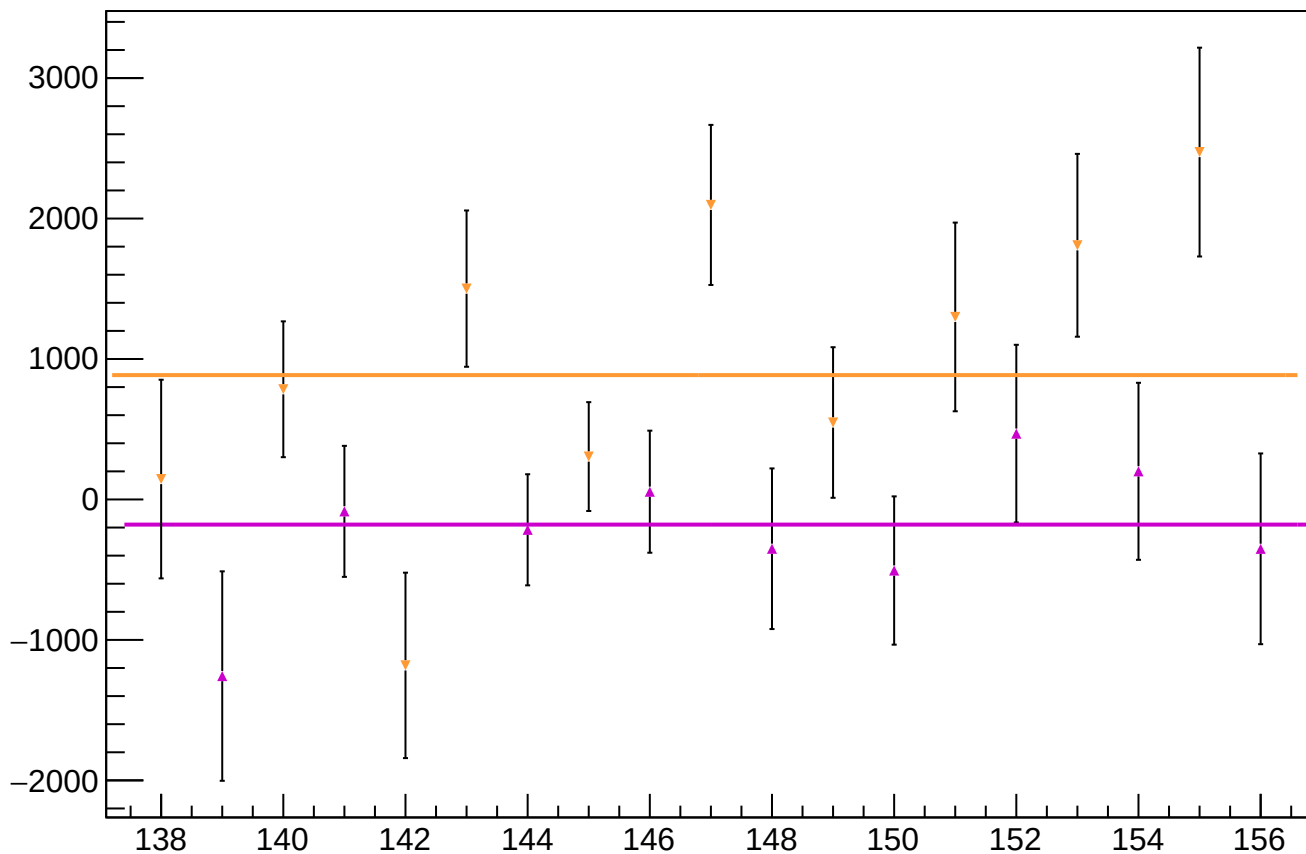
Left In: 47.418+/-0.012 χ^2/NDF :130223.4/8

48.466+/-0.013 χ^2/NDF : 216360.2/9

47.929+/-0.009 χ^2/NDF : 350044.7/18

47.418+/-0.012 χ^2/NDF : 130223.4/8

asym_sam_15_48_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 885.335+/-178.433 χ^2/NDF : 26.3/9

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

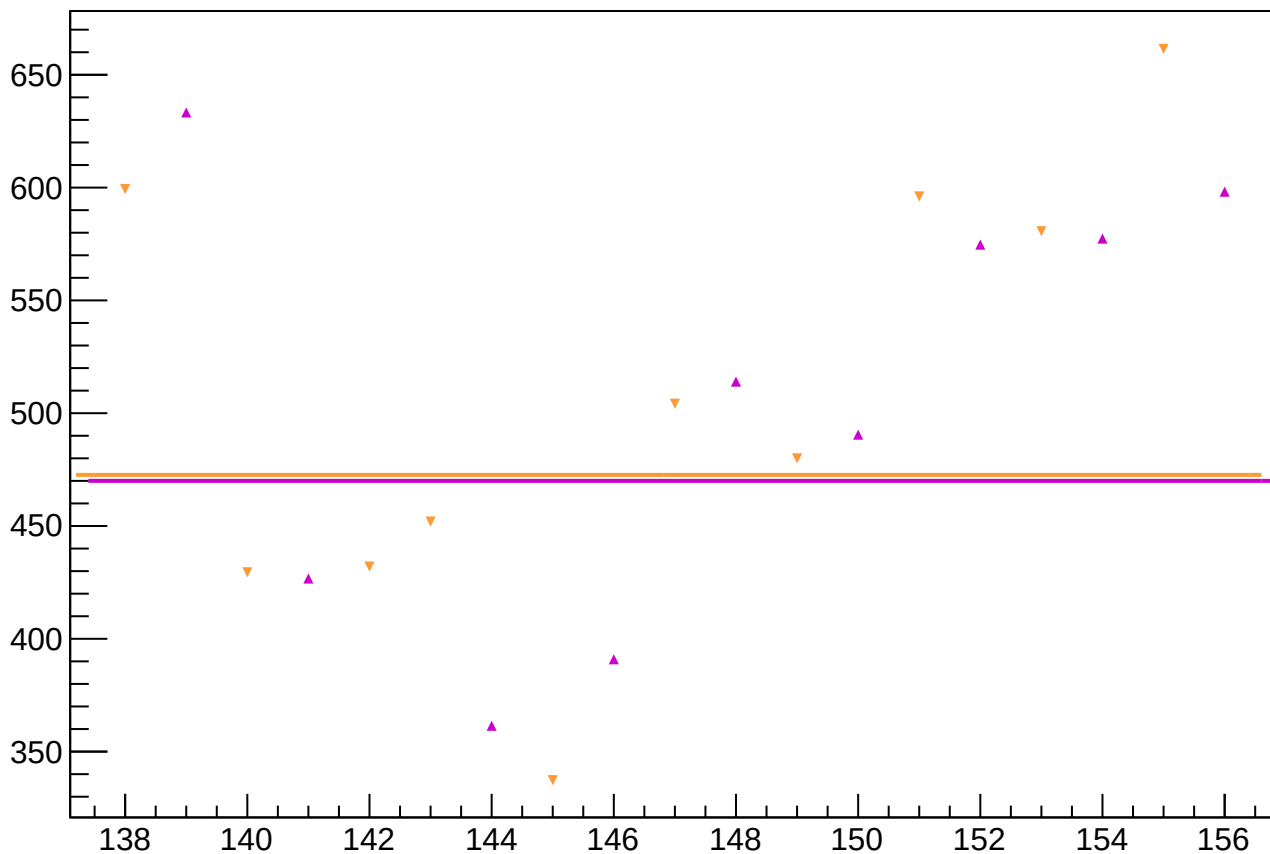
Left In: -179.043+/-177.002 χ^2/NDF : 4.4/8

885.335+/-178.433 χ^2/NDF : 26.3/9

348.863+/-125.662 χ^2/NDF : 48.6/18

-179.043+/-177.002 χ^2/NDF : 4.4/8

asym_sam_15_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 472.657+/-0.126 χ^2/NDF : 592611.0/9

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

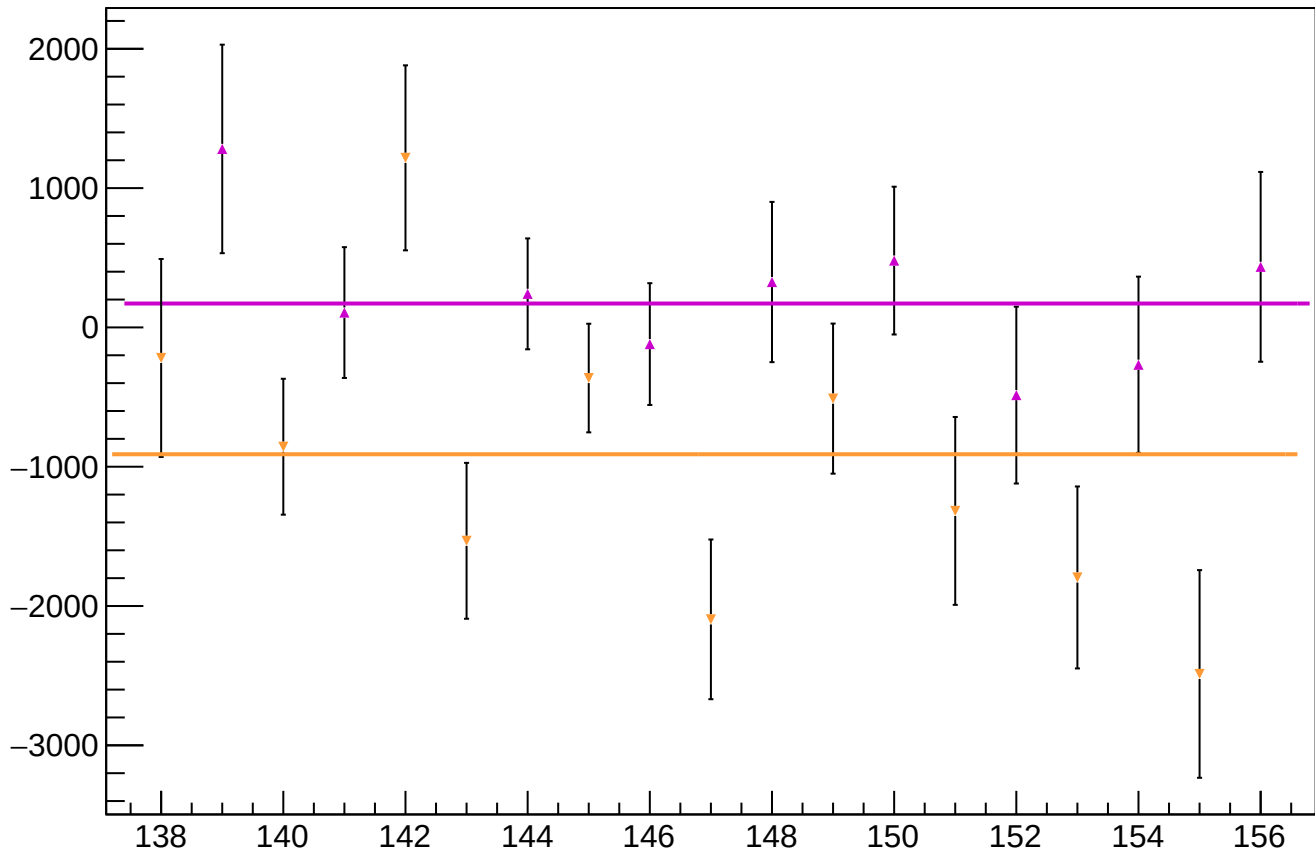
Left In: 470.011+/-0.125 χ^2/NDF : 529129.3/8

472.657+/-0.126 χ^2/NDF : 592611.0/9

471.324+/-0.089 χ^2/NDF : 1121961.9/18

470.011+/-0.125 χ^2/NDF : 529129.3/8

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -910.588+/-179.447 χ^2/NDF : 25.9/9

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

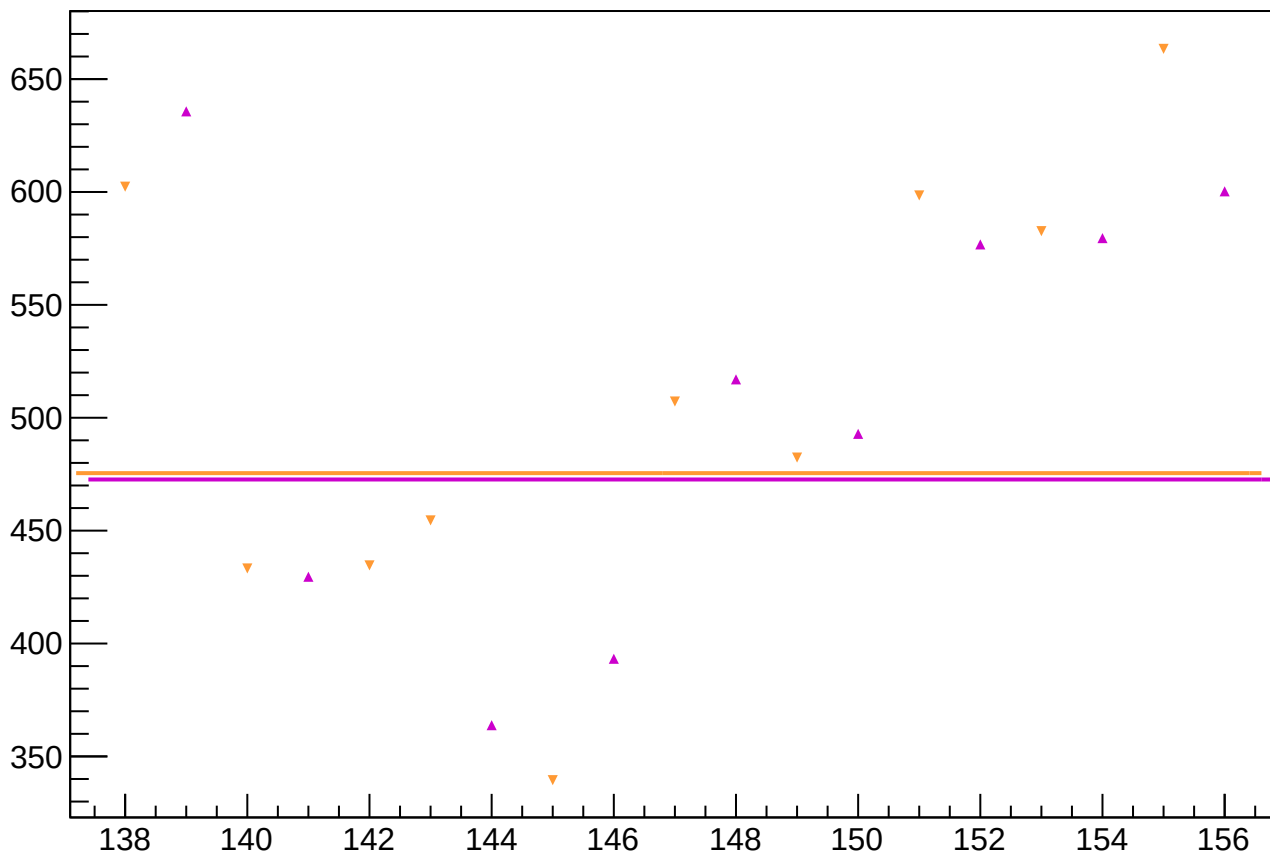
Left In: 171.521+/-177.954 χ^2/NDF : 4.8/8

-910.588+/-179.447 χ^2/NDF : 25.9/9

-365.013+/-126.357 χ^2/NDF : 49.1/18

171.521+/-177.954 χ^2/NDF : 4.8/8

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 475.469+/-0.127 χ^2/NDF : 586390.8/9

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

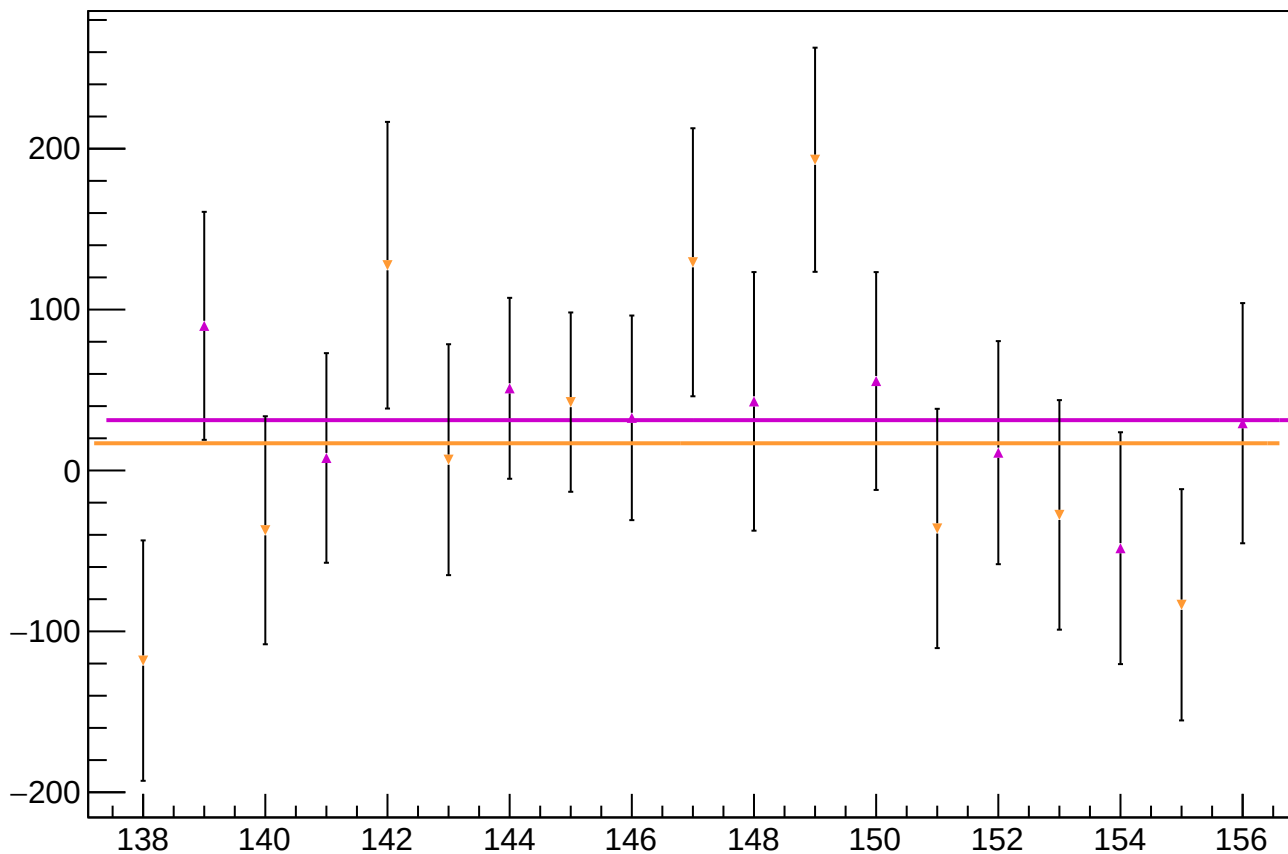
Left In: 472.653+/-0.126 χ^2/NDF : 523154.8/8

475.469+/-0.127 χ^2/NDF : 586390.8/9

474.049+/-0.089 χ^2/NDF : 1109793.9/18

472.653+/-0.126 χ^2/NDF : 523154.8/8

reg_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-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

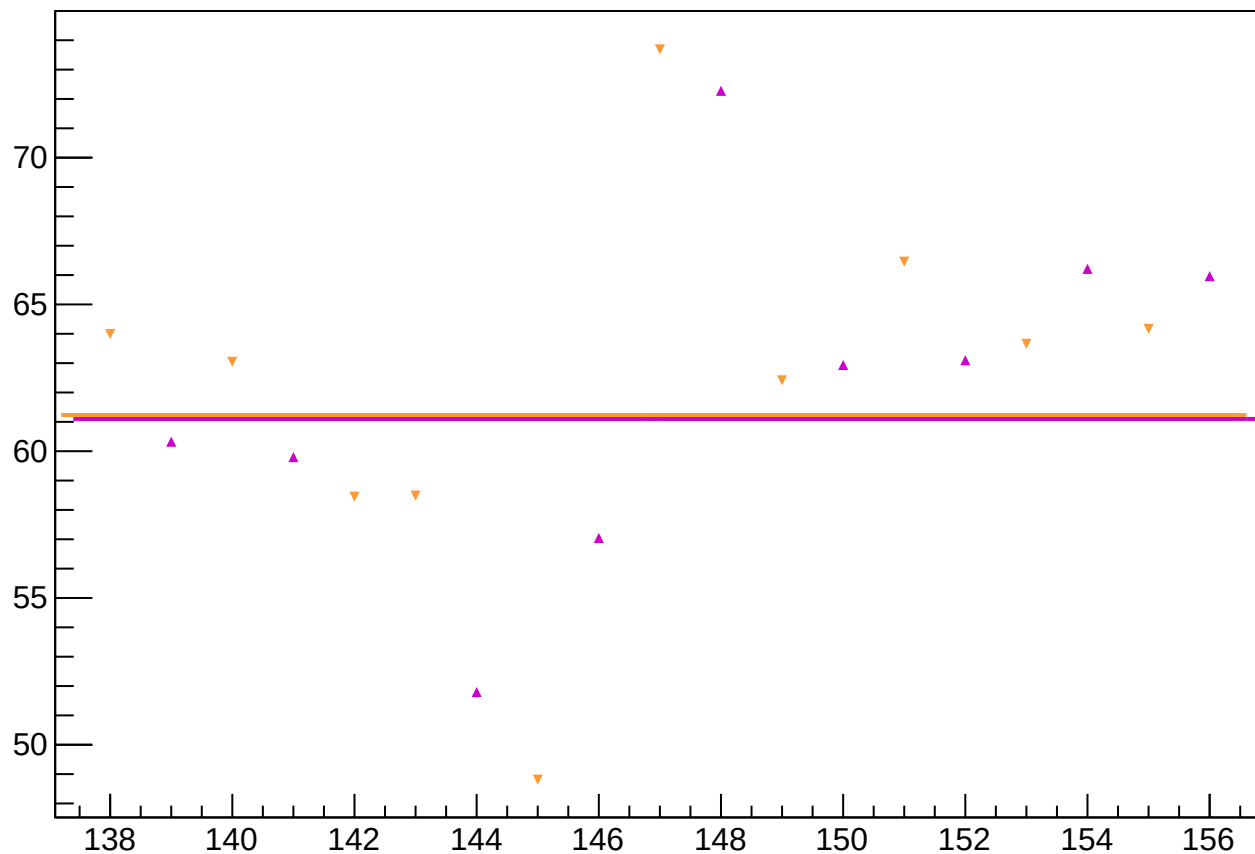
Left In: 31.279+/-22.636 χ^2/NDF : 2.4/8

16.913+/-22.694 χ^2/NDF : 16.7/9

24.114+/-16.026 χ^2/NDF : 19.3/18

31.279+/-22.636 χ^2/NDF : 2.4/8

reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 61.232+/-0.016 χ^2/NDF : 169081.3/9

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

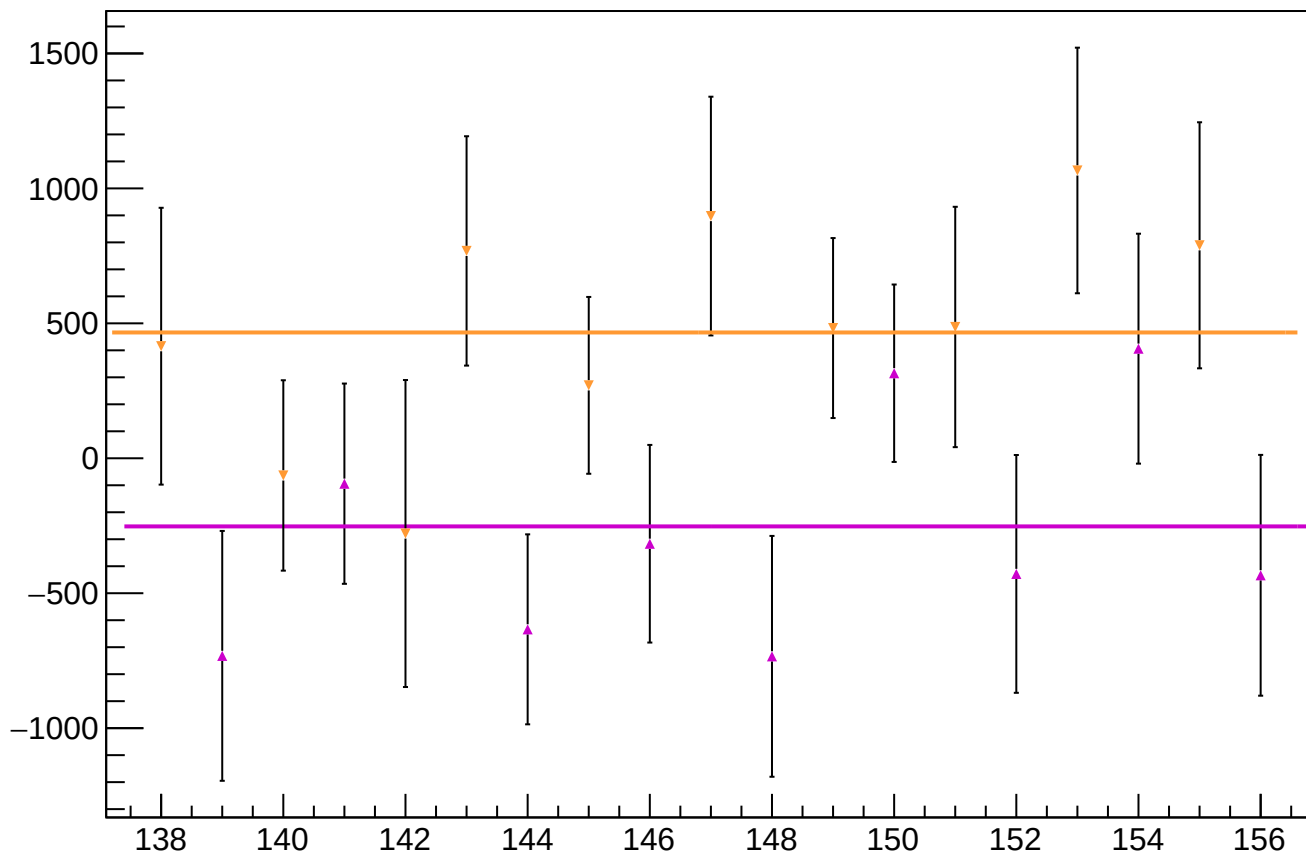
Left In: 61.099+/-0.016 χ^2/NDF : 124313.9/8

61.232+/-0.016 χ^2/NDF : 169081.3/9

61.165+/-0.011 χ^2/NDF : 293429.5/18

61.099+/-0.016 χ^2/NDF : 124313.9/8

asym_sam_37_48_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 466.181+/-130.657 χ^2/NDF : 8.0/9

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

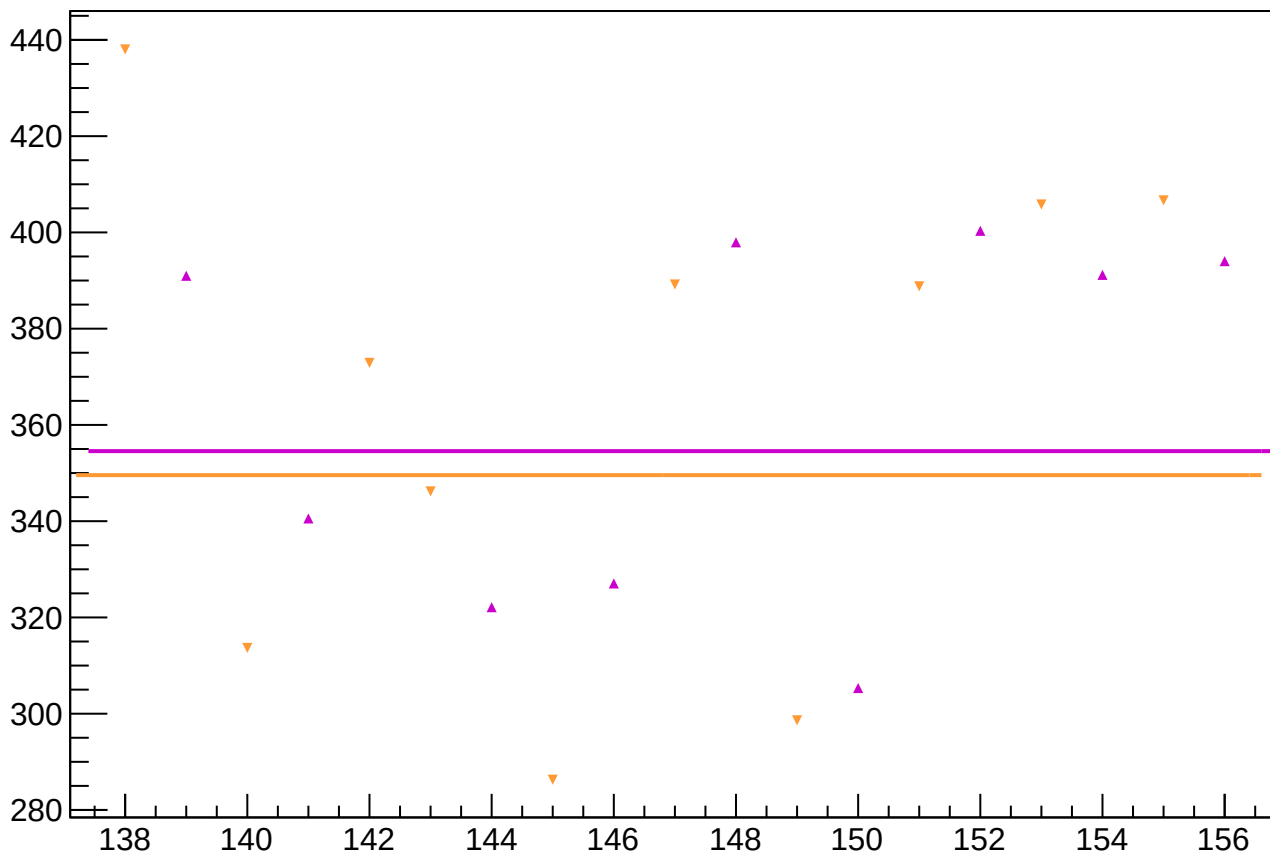
Left In: -252.427+/-131.963 χ^2/NDF : 9.3/8

466.181+/-130.657 χ^2/NDF : 8.0/9

110.452+/-92.847 χ^2/NDF : 32.3/18

-252.427+/-131.963 χ^2/NDF : 9.3/8

asym_sam_37_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 349.569+/-0.092 χ^2/NDF : 298490.0/9

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

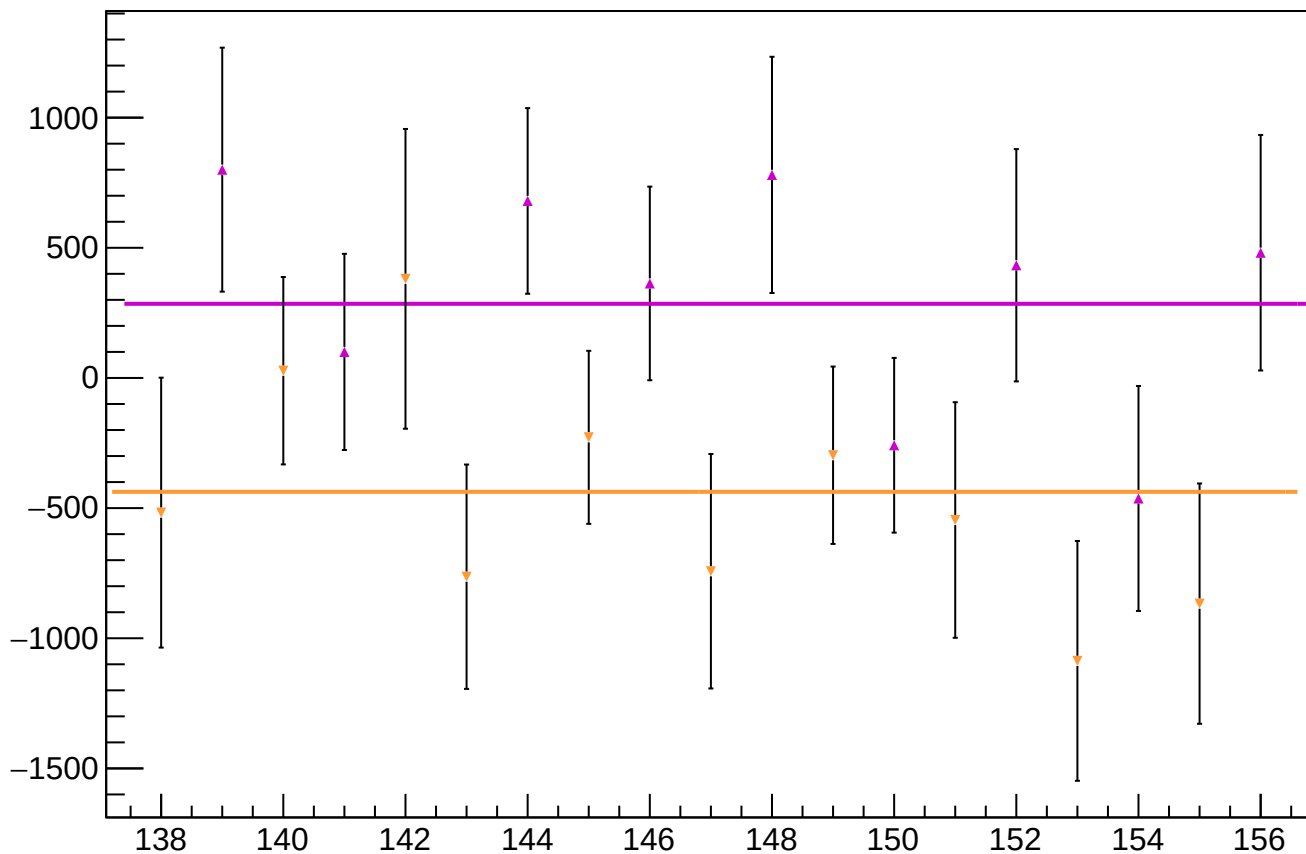
Left In: 354.557+/-0.093 χ^2/NDF : 159264.0/8

349.569+/-0.092 χ^2/NDF : 298490.0/9

352.039+/-0.066 χ^2/NDF : 459196.9/18

354.557+/-0.093 χ^2/NDF : 159264.0/8

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -437.470+/-132.769 χ^2/NDF : 8.2/9

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

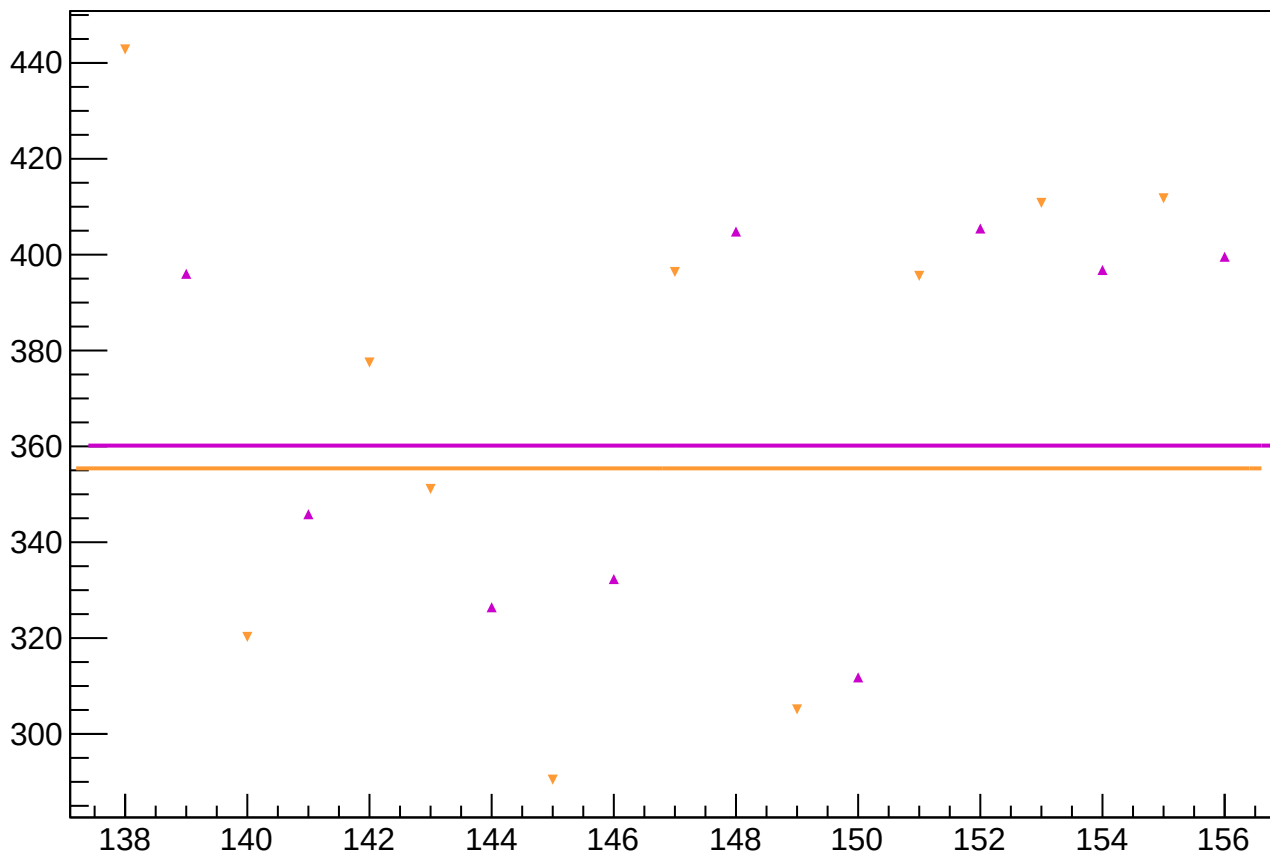
Left In: 284.808+/-134.003 χ^2/NDF : 9.8/8

-437.470+/-132.769 χ^2/NDF : 8.2/9

-79.673+/-94.315 χ^2/NDF : 32.7/18

284.808+/-134.003 χ^2/NDF : 9.8/8

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 355.409+/-0.094 χ^2/NDF : 290111.8/9

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

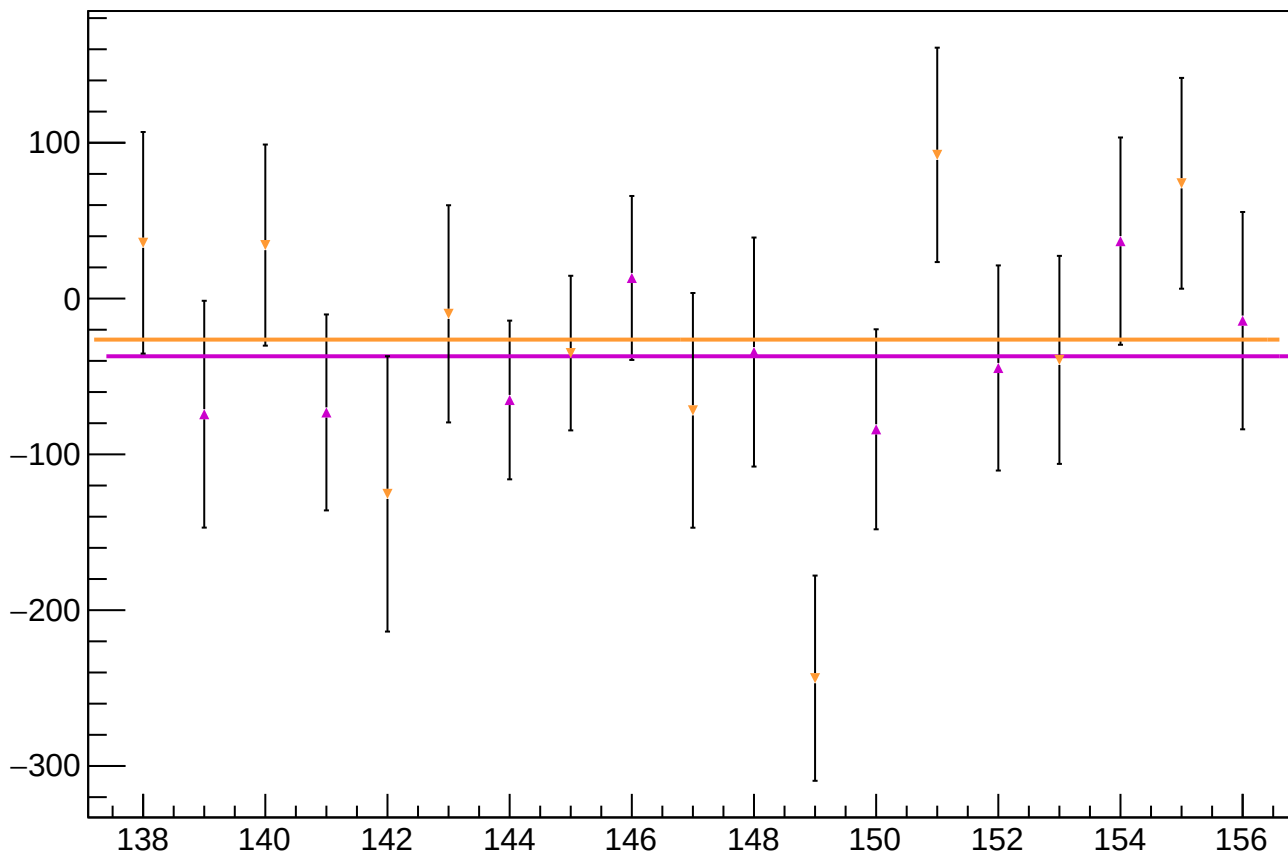
Left In: 360.162+/-0.095 χ^2/NDF : 154759.3/8

355.409+/-0.094 χ^2/NDF : 290111.8/9

357.764+/-0.067 χ^2/NDF : 446140.8/18

360.162+/-0.095 χ^2/NDF : 154759.3/8

reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -26.340+/-21.134 χ^2/NDF : 19.4/9

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

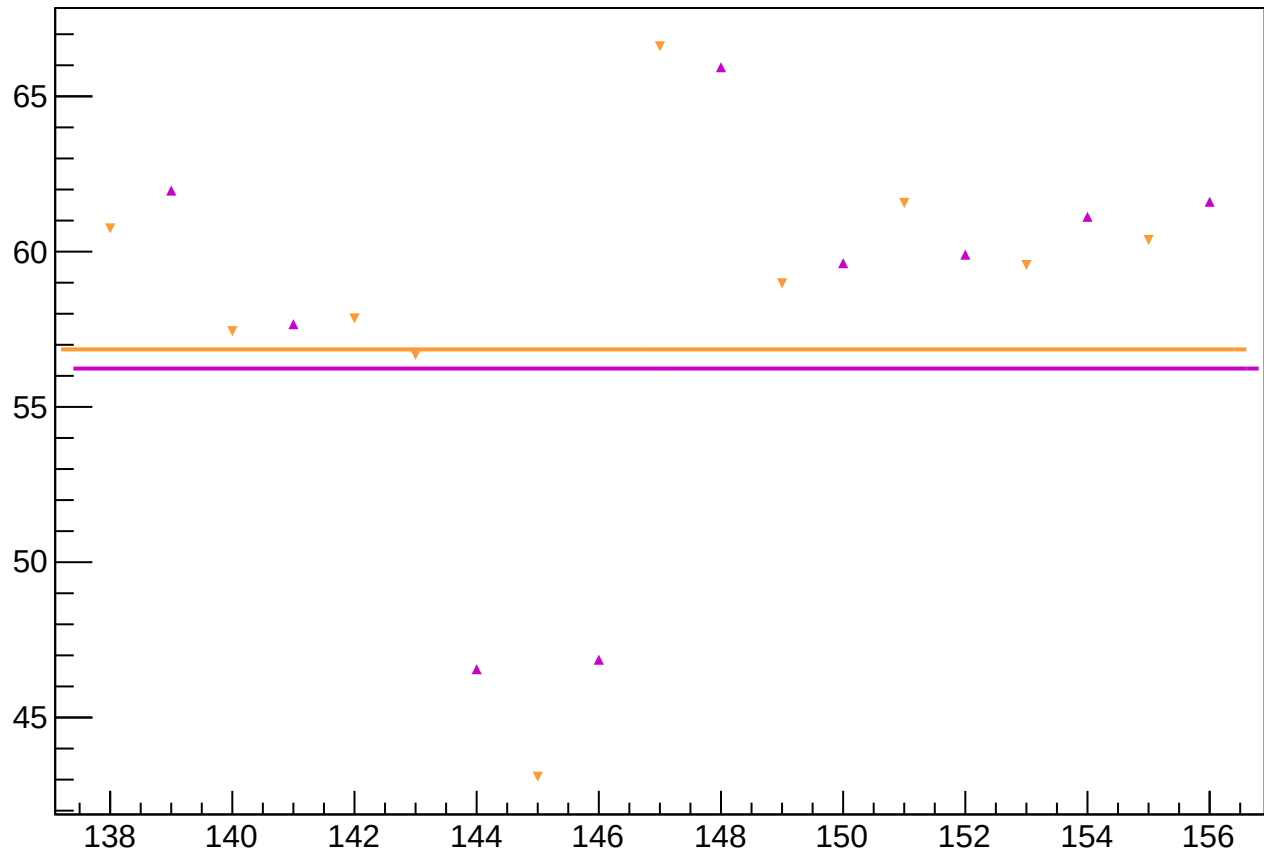
Left In: -37.040+/-20.950 χ^2/NDF : 3.7/8

-26.340+/-21.134 χ^2/NDF : 19.4/9

-31.737+/-14.878 χ^2/NDF : 23.3/18

-37.040+/-20.950 χ^2/NDF : 3.7/8

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: 56.852 $\pm$ 0.015 χ^2/NDF : 213997.0/9

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

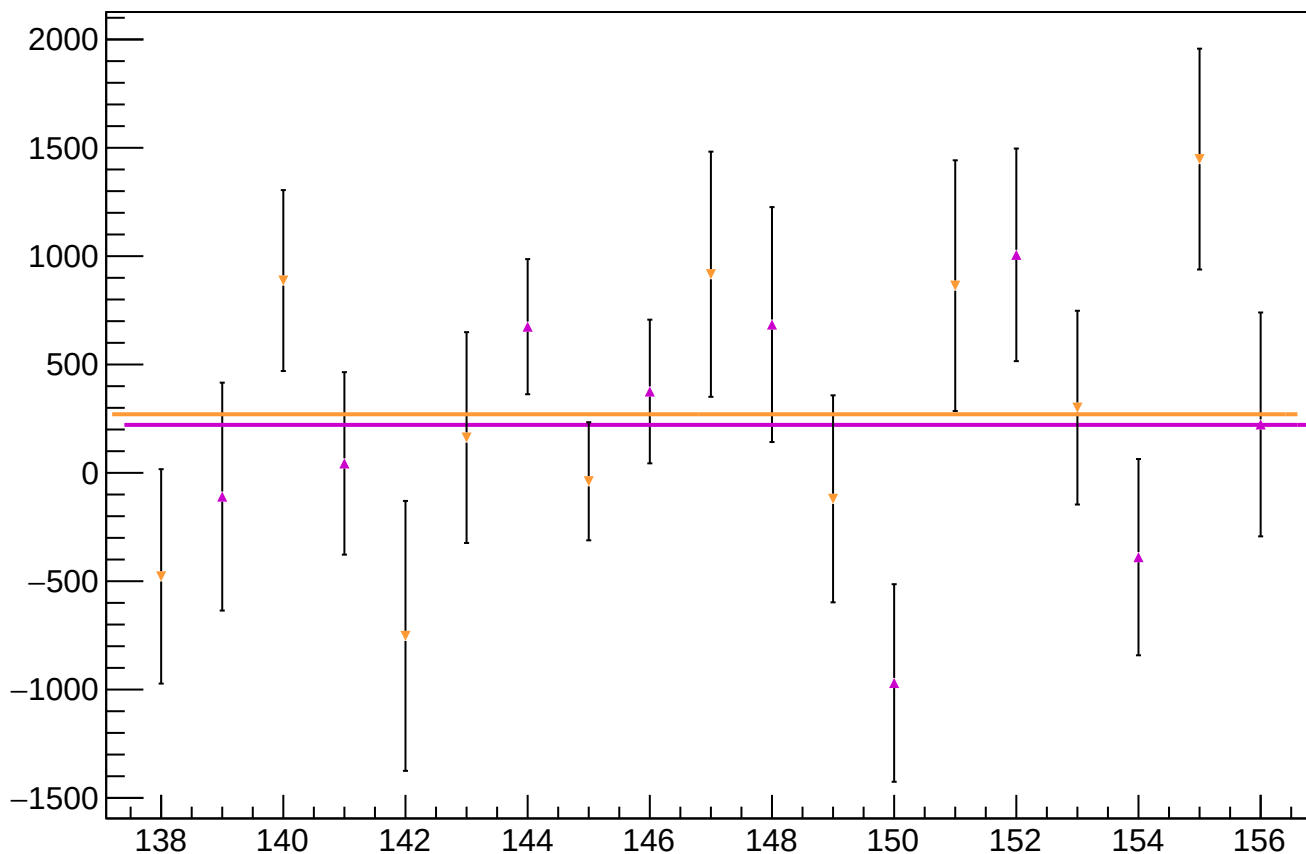
Left In: 56.235 $\pm$ 0.015 χ^2/NDF : 218458.9/8

56.852 $\pm$ 0.015 χ^2/NDF : 213997.0/9

56.541 $\pm$ 0.011 χ^2/NDF : 433315.7/18

56.235 $\pm$ 0.015 χ^2/NDF : 218458.9/8

asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 270.378+/-142.211 χ^2/NDF : 16.9/9

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

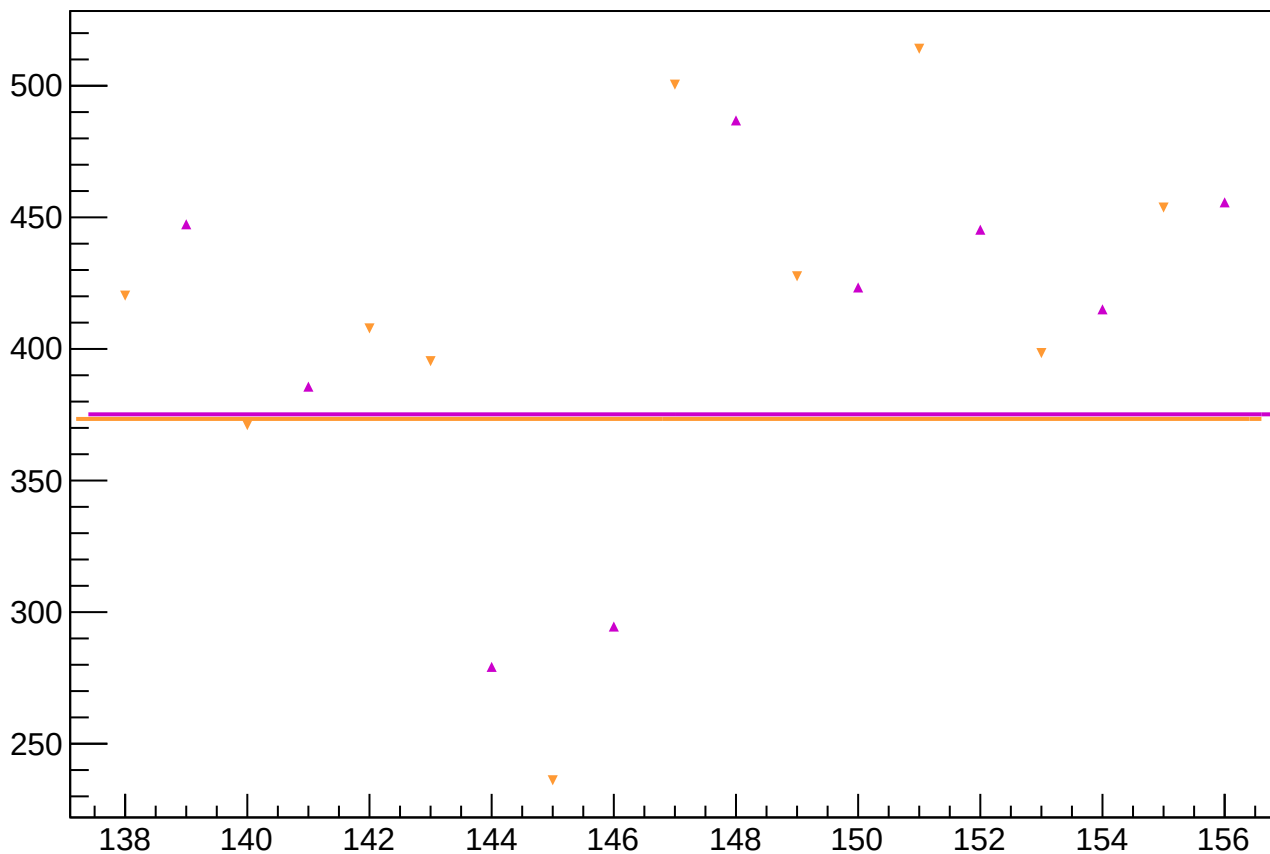
Left In: 221.383+/-141.945 χ^2/NDF : 14.8/8

270.378+/-142.211 χ^2/NDF : 16.9/9

245.835+/-100.464 χ^2/NDF : 31.8/18

221.383+/-141.945 χ^2/NDF : 14.8/8

asym_sam_15_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 373.408+/-0.101 χ^2/NDF : 836656.7/9

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

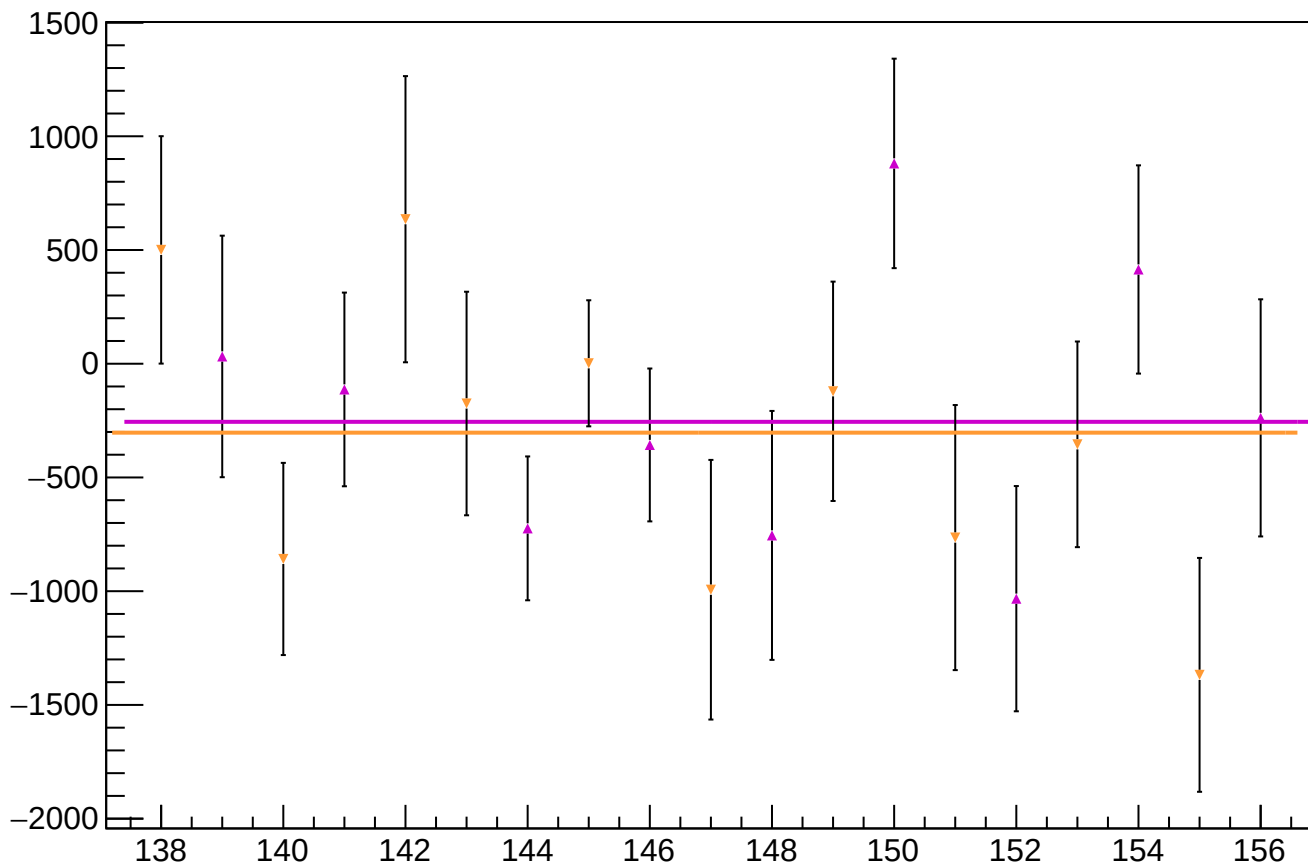
Left In: 375.157+/-0.100 χ^2/NDF : 558969.4/8

373.408+/-0.101 χ^2/NDF : 836656.7/9

374.284+/-0.071 χ^2/NDF : 1395777.7/18

375.157+/-0.100 χ^2/NDF : 558969.4/8

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -303.024+/-143.906 χ^2/NDF : 14.4/9

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

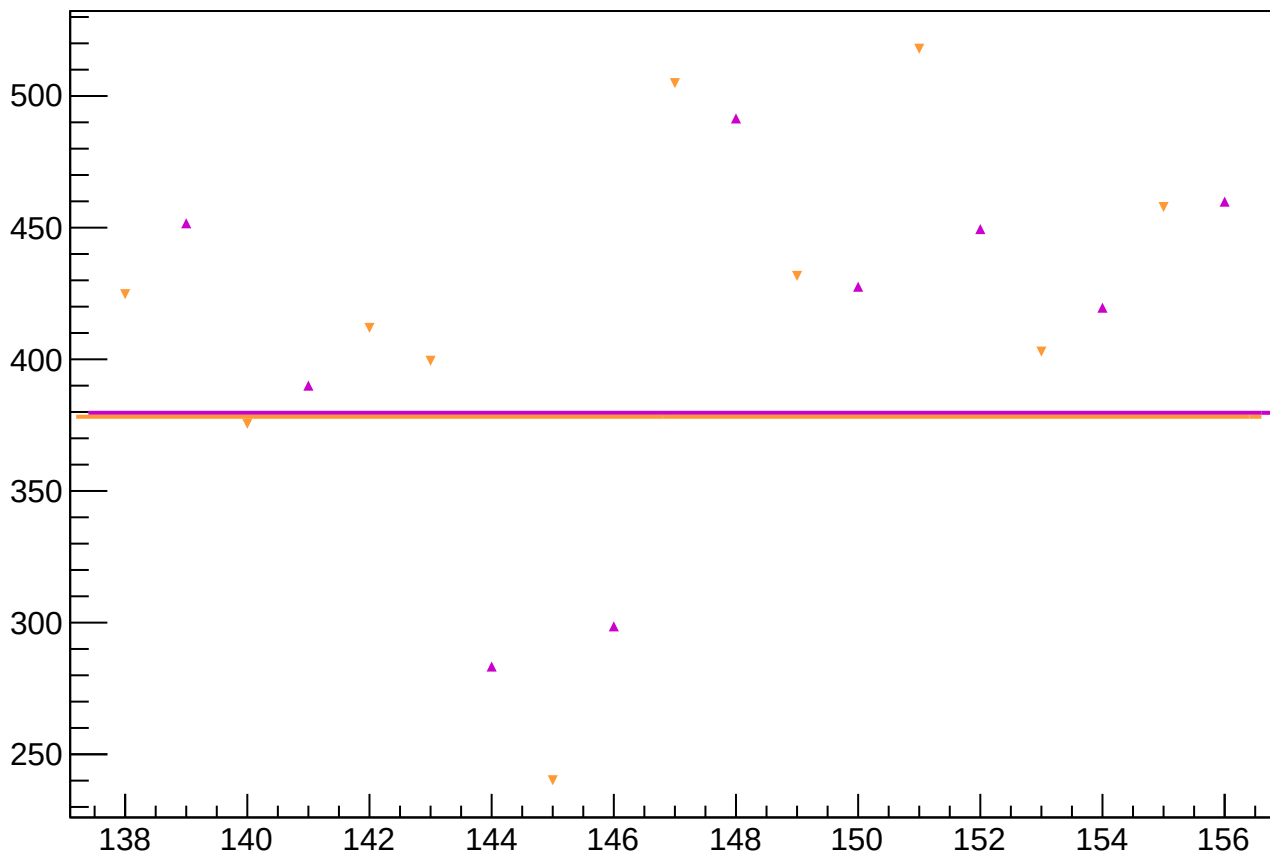
Left In: -255.402+/-143.580 χ^2/NDF : 14.2/8

-303.024+/-143.906 χ^2/NDF : 14.4/9

-279.159+/-101.641 χ^2/NDF : 28.6/18

-255.402+/-143.580 χ^2/NDF : 14.2/8

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 378.180+/-0.102 χ^2/NDF : 815478.9/9

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

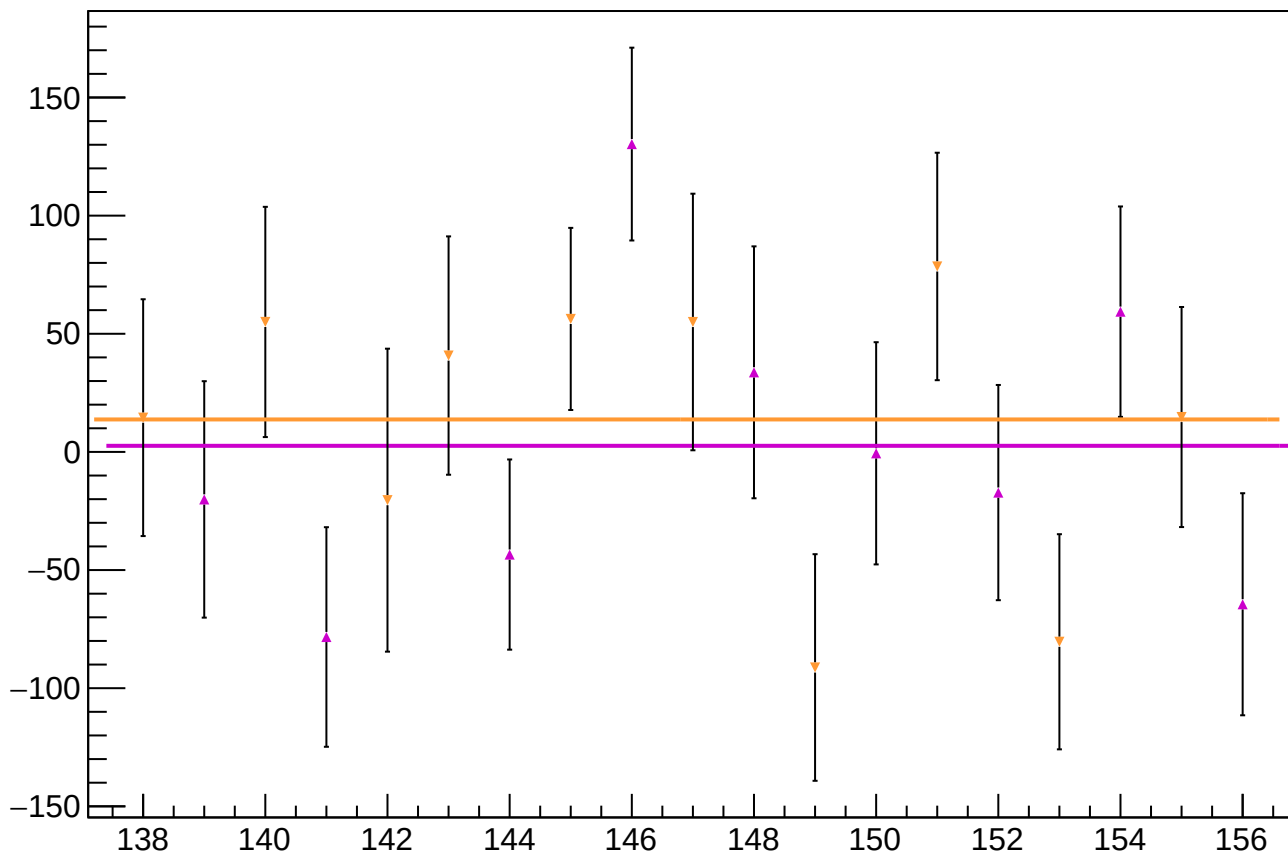
Left In: 379.685+/-0.102 χ^2/NDF : 547499.7/8

378.180+/-0.102 χ^2/NDF : 815478.9/9

378.934+/-0.072 χ^2/NDF : 1363088.2/18

379.685+/-0.102 χ^2/NDF : 547499.7/8

reg_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-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

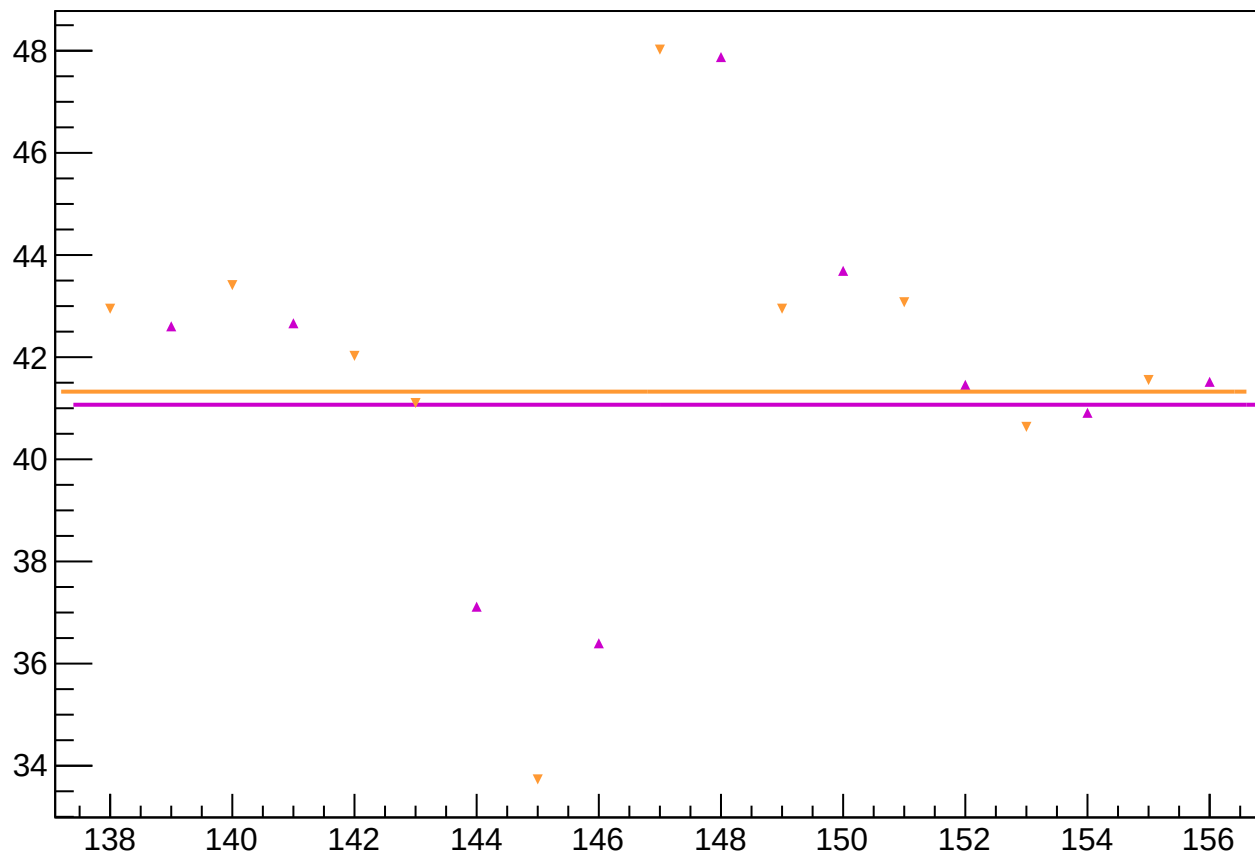
Left In: 2.584+/-15.207 χ^2/NDF :18.5/8

13.742+/-15.288 χ^2/NDF : 14.0/9

8.133+/-10.782 χ^2/NDF : 32.8/18

2.584+/-15.207 χ^2/NDF : 18.5/8

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

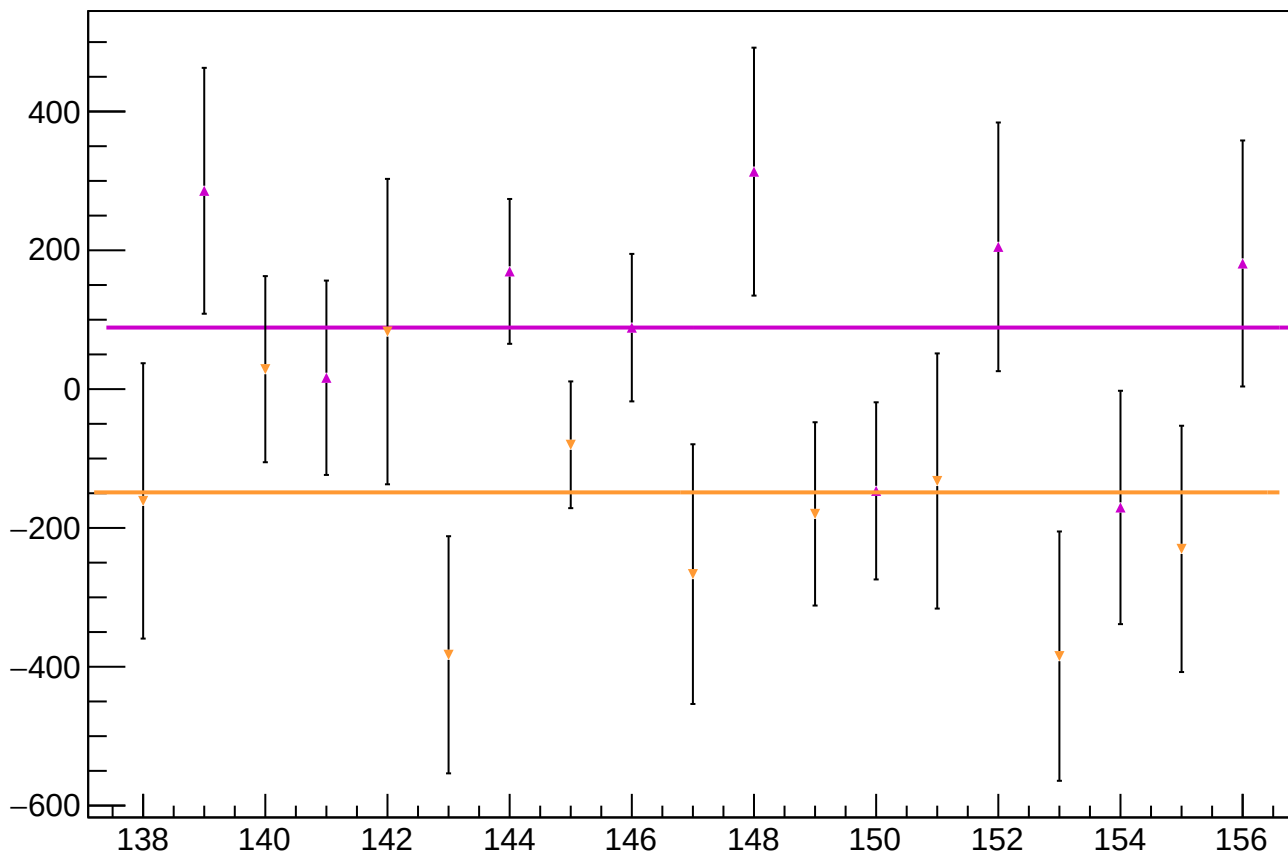
Left In: 41.069+/-0.011 χ^2/NDF : 88946.1/8

41.325+/-0.011 χ^2/NDF : 119537.5/9

41.196+/-0.008 χ^2/NDF : 208766.7/18

41.069+/-0.011 χ^2/NDF : 88946.1/8

asym_sam_37_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -148.763+/-47.991 χ^2/NDF : 7.7/9

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

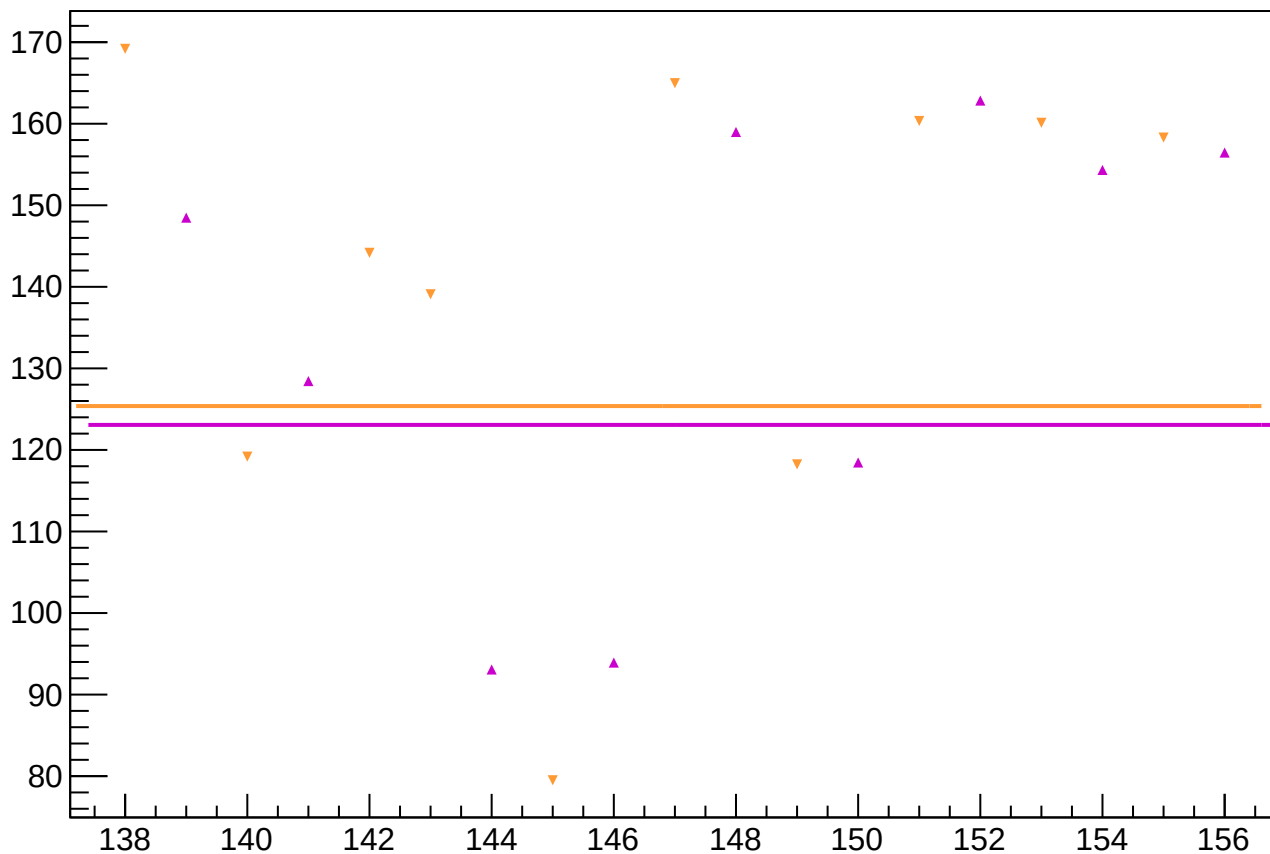
Left In: 88.702+/-46.909 χ^2/NDF : 10.2/8

-148.763+/-47.991 χ^2/NDF : 7.7/9

-27.323+/-33.546 χ^2/NDF : 30.4/18

88.702+/-46.909 χ^2/NDF : 10.2/8

asym_sam_37_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 125.378+/-0.034 χ^2/NDF : 945904.4/9

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

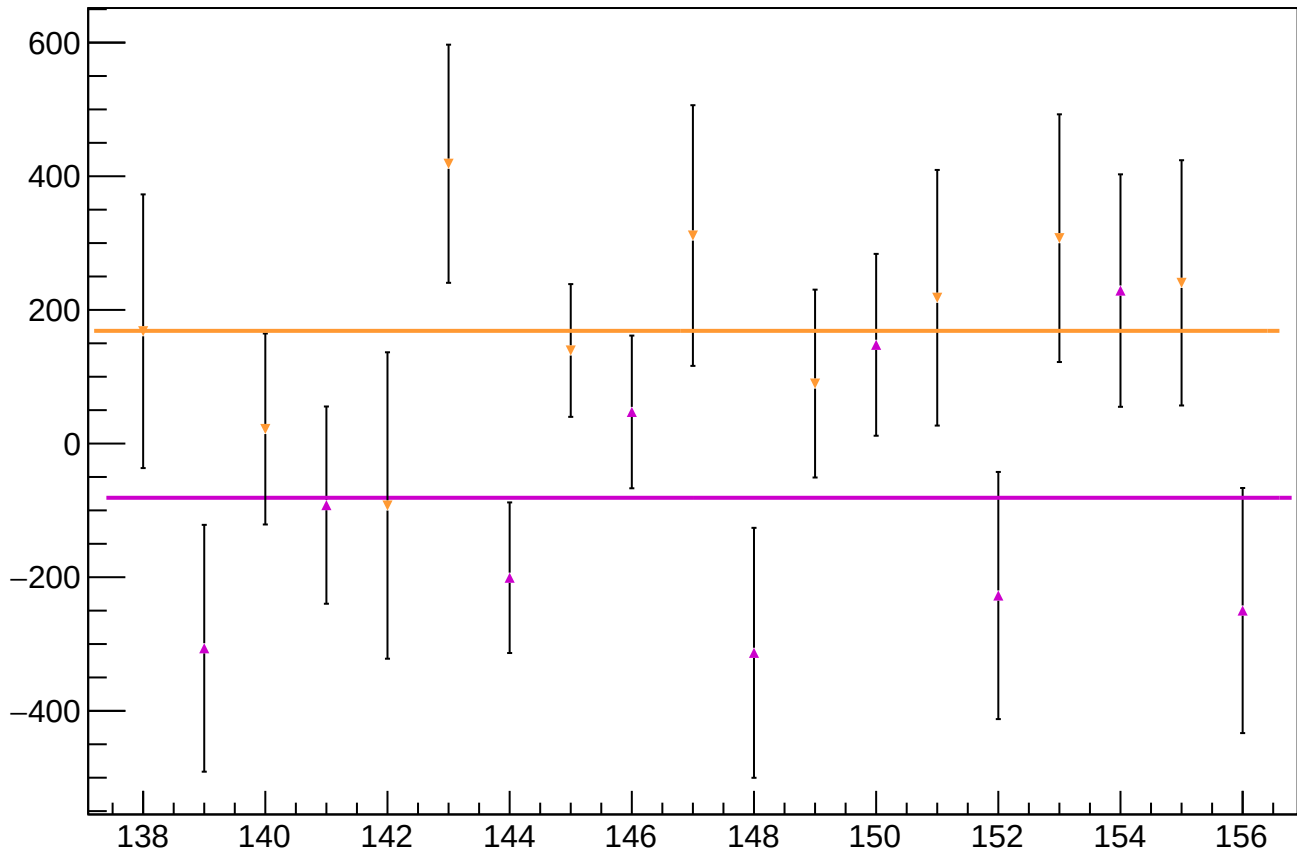
Left In: 123.069+/-0.033 χ^2/NDF : 682116.8/8

125.378+/-0.034 χ^2/NDF : 945904.4/9

124.197+/-0.024 χ^2/NDF : 1630390.7/18

123.069+/-0.033 χ^2/NDF : 682116.8/8

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 168.661+/-50.784 χ^2/NDF : 6.0/9

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

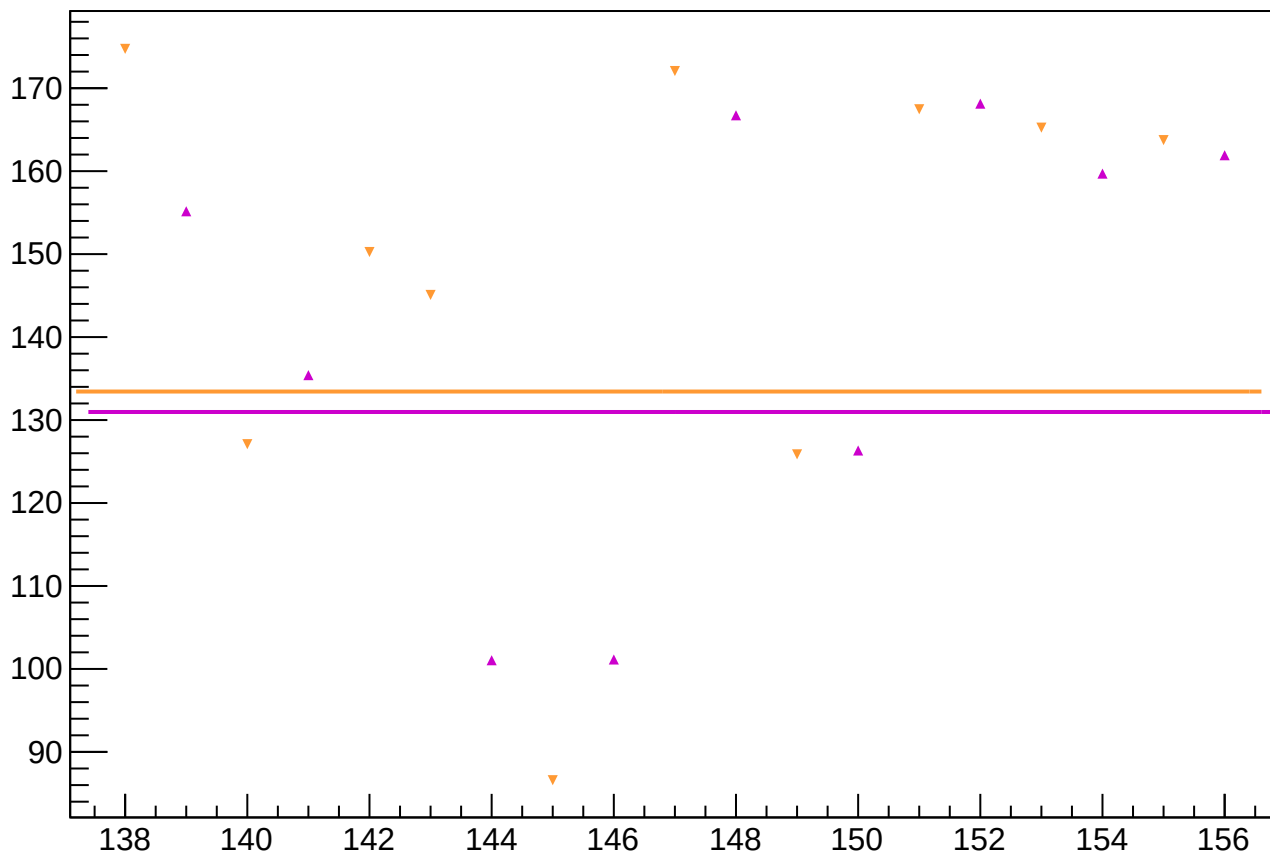
Left In: -81.139+/-49.676 χ^2/NDF : 12.9/8

168.661+/-50.784 χ^2/NDF : 6.0/9

41.005+/-35.511 χ^2/NDF : 31.3/18

-81.139+/-49.676 χ^2/NDF : 12.9/8

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 133.437+/-0.036 χ^2/NDF : 810535.8/9

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

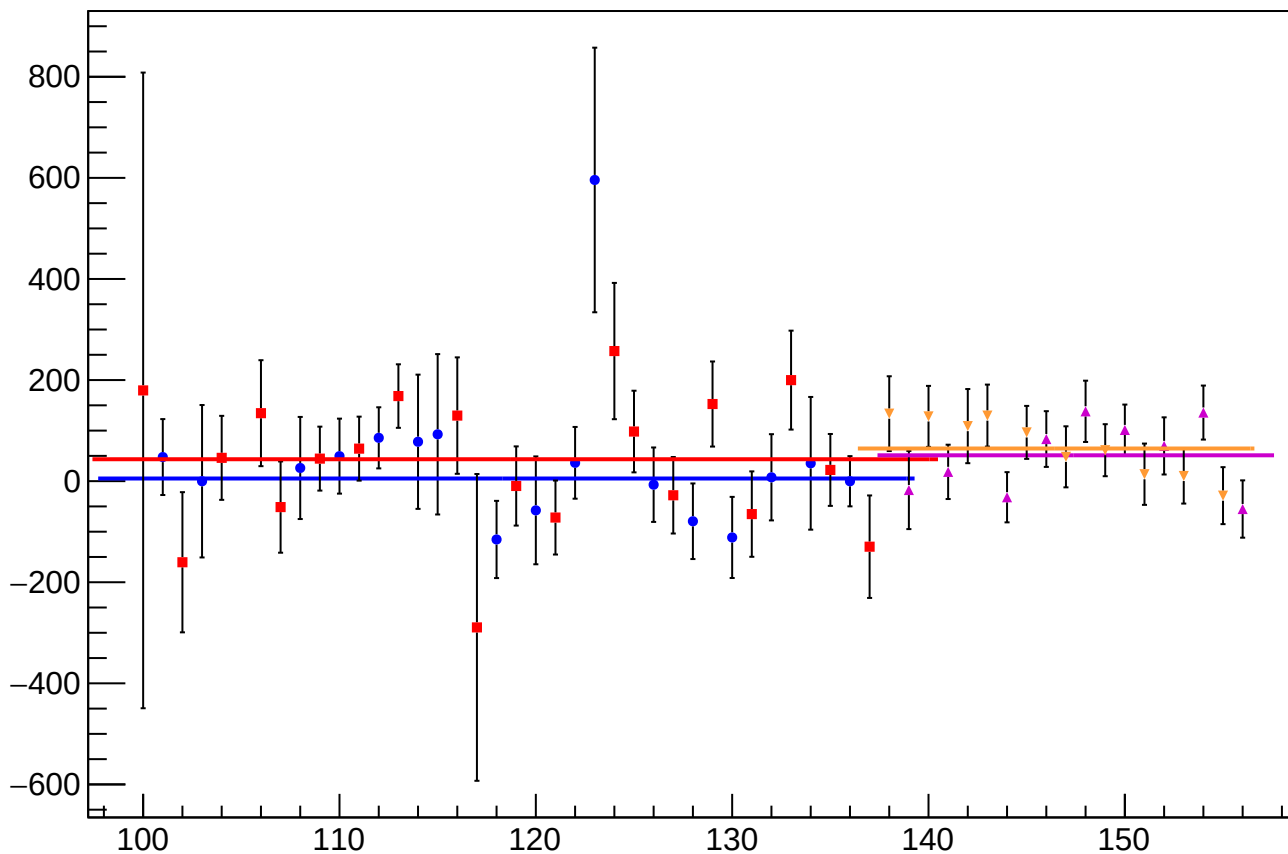
Left In: 130.971+/-0.035 χ^2/NDF : 581300.8/8

133.437+/-0.036 χ^2/NDF : 810535.8/9

132.177+/-0.025 χ^2/NDF : 1394246.8/18

130.971+/-0.035 χ^2/NDF : 581300.8/8

reg_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 5.220 $\pm$ 20.150 χ^2 /NDF: 14.7/16

Left Out: 64.581 $\pm$ 18.741 χ^2 /NDF: 8.4/9

Right Out: 43.354 $\pm$ 19.371 χ^2 /NDF: 25.6/19

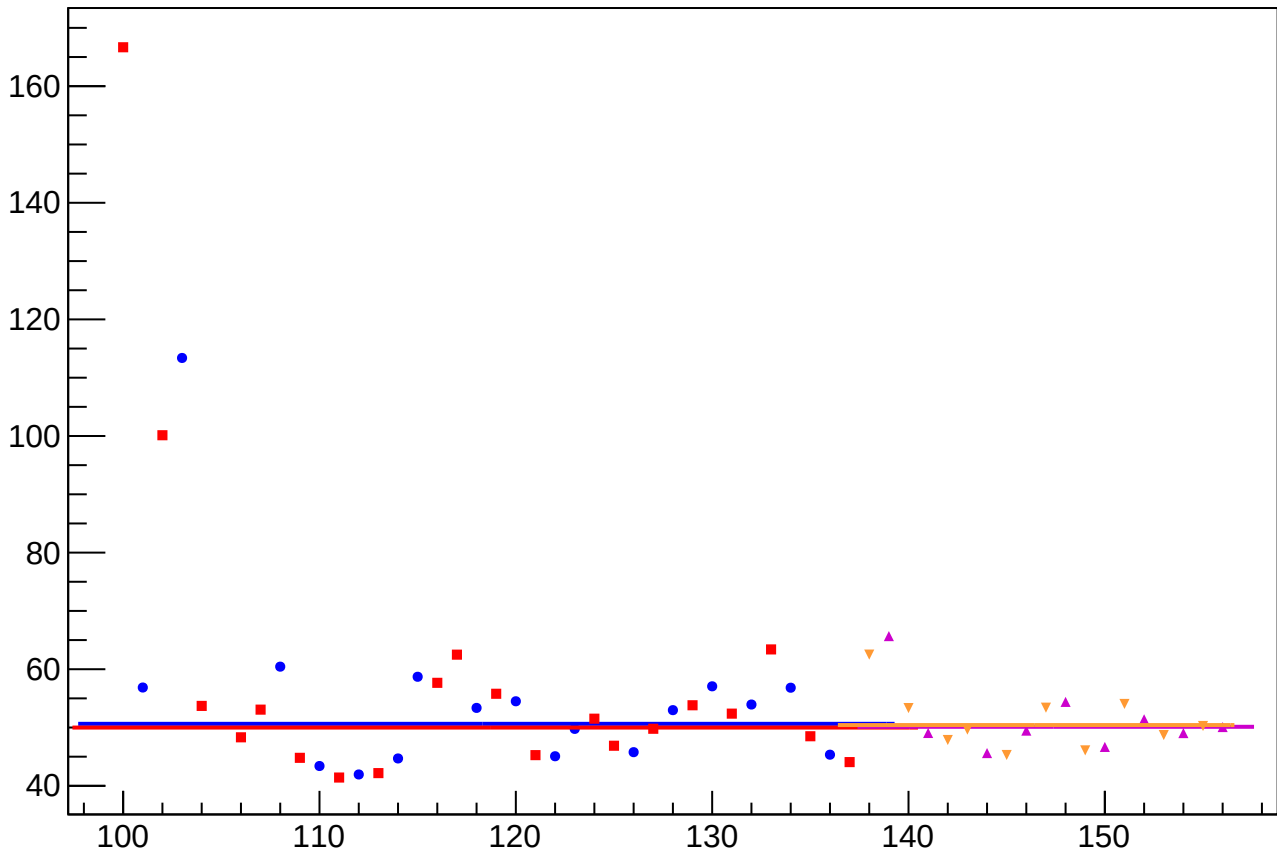
Left In: 51.145 $\pm$ 18.600 χ^2 /NDF: 13.5/8

37.049 $\pm$ 13.723 χ^2 /NDF: 27.7/26

42.345 $\pm$ 9.593 χ^2 /NDF: 67.1/55

47.407 $\pm$ 13.416 χ^2 /NDF: 39.2/28

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 50.635 $\pm$ 0.014 χ^2 /NDF: 519687.1/16

Left Out: 50.423 $\pm$ 0.013 χ^2 /NDF: 108233.9/9

Right Out: 49.994 $\pm$ 0.014 χ^2 /NDF: 503898.1/19

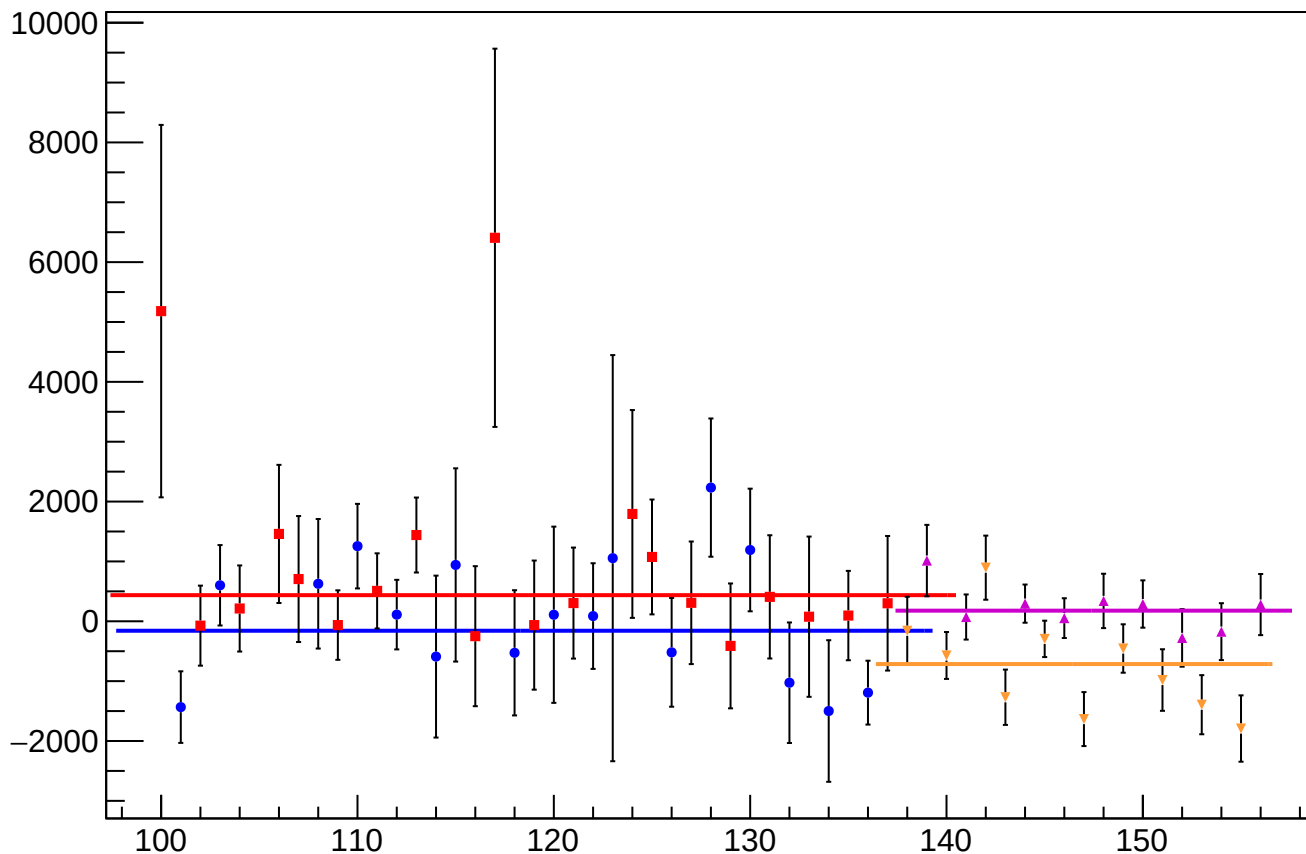
Left In: 50.125 $\pm$ 0.013 χ^2 /NDF: 119679.7/8

50.521 $\pm$ 0.010 χ^2 /NDF: 628039.9/26

50.286 $\pm$ 0.007 χ^2 /NDF: 1252808.1/55

50.062 $\pm$ 0.009 χ^2 /NDF: 623625.7/28

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



Right In: -158.001 ± 210.181 $\chi^2/\text{NDF}: 23.5/16$

Left Out: -714.734 ± 140.332 $\chi^2/\text{NDF}: 24.0/9$

Right Out: 436.410 ± 203.212 $\chi^2/\text{NDF}: 13.4/19$

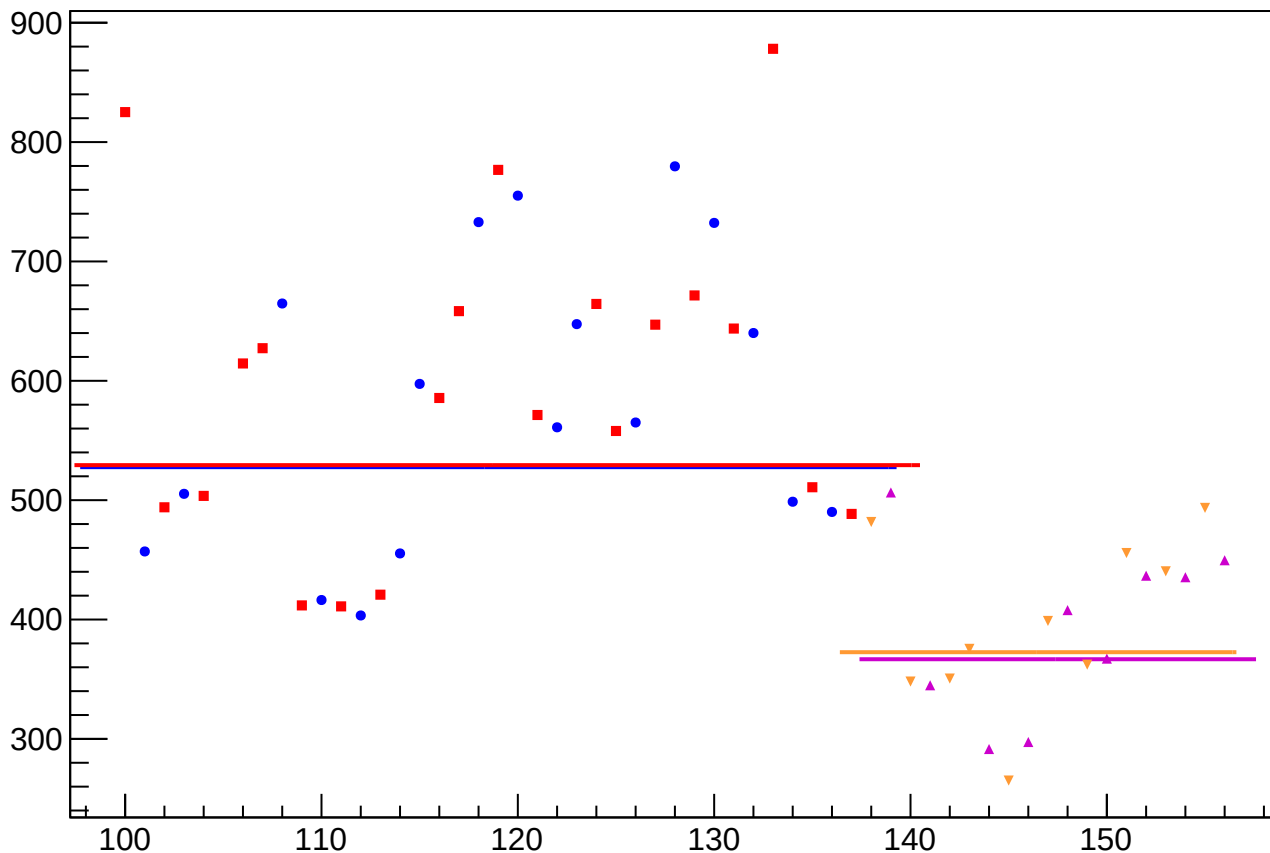
Left In: 177.381 ± 137.894 $\chi^2/\text{NDF}: 4.0/8$

-543.073 ± 116.709 $\chi^2/\text{NDF}: 52.3/26$

-132.959 ± 81.589 $\chi^2/\text{NDF}: 95.0/55$

259.049 ± 114.104 $\chi^2/\text{NDF}: 18.5/28$

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



Right In: 527.663 $\pm$ 0.149 χ^2 /NDF: 557423.6/16

Left Out: 372.637 $\pm$ 0.099 χ^2 /NDF: 528519.8/9

Right Out: 529.342 $\pm$ 0.144 χ^2 /NDF: 626714.3/19

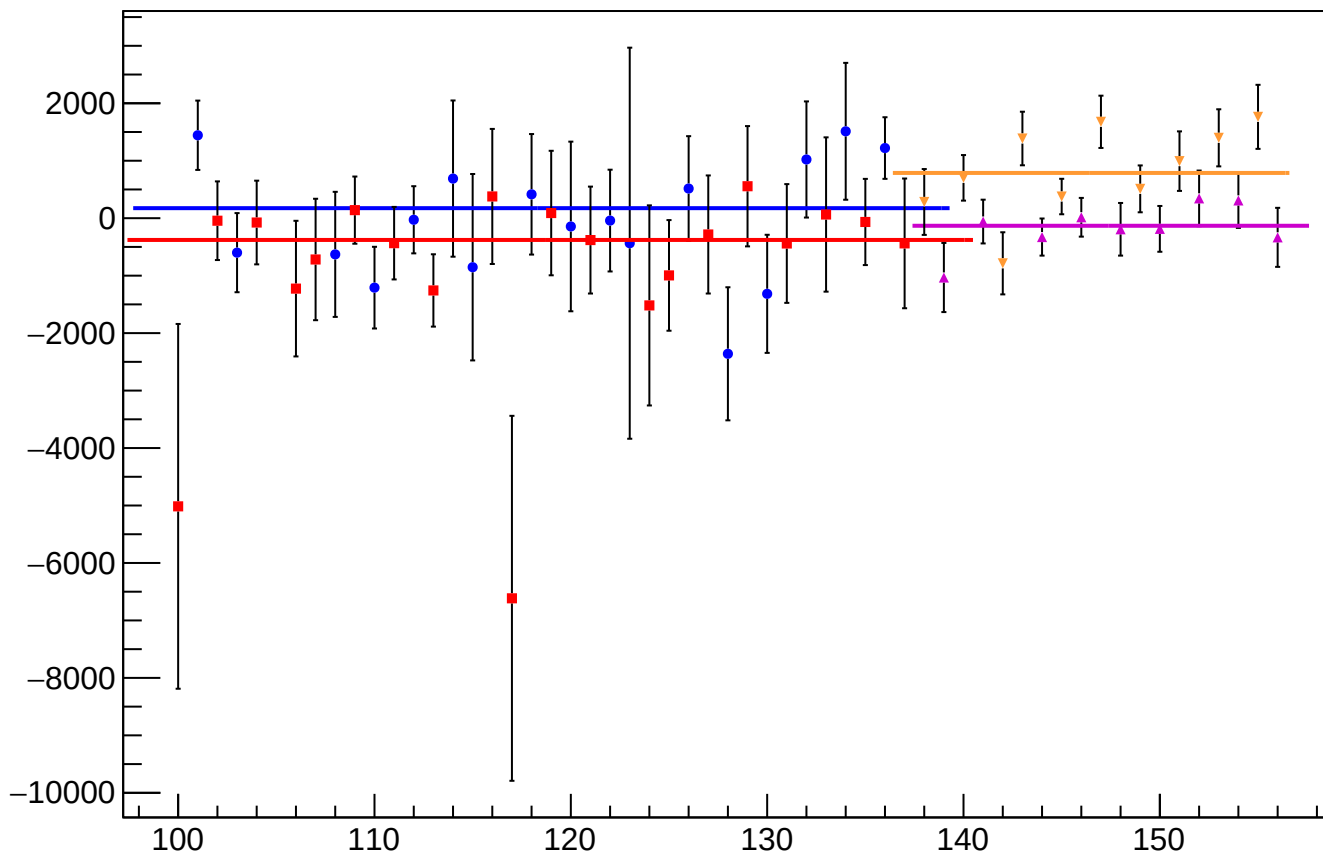
Left In: 366.737 $\pm$ 0.098 χ^2 /NDF: 468294.8/8

420.437 $\pm$ 0.083 χ^2 /NDF: 1838515.2/26

419.193 $\pm$ 0.058 χ^2 /NDF: 3810787.8/55

418.004 $\pm$ 0.081 χ^2 /NDF: 1971828.2/28

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 174.605 $\pm$ 211.662 χ^2 /NDF: 23.7/16

Left Out: 787.599 $\pm$ 141.739 χ^2 /NDF:21.7/9

Right Out: -378.609 $\pm$ 204.777 χ^2 /NDF: 12.3/19

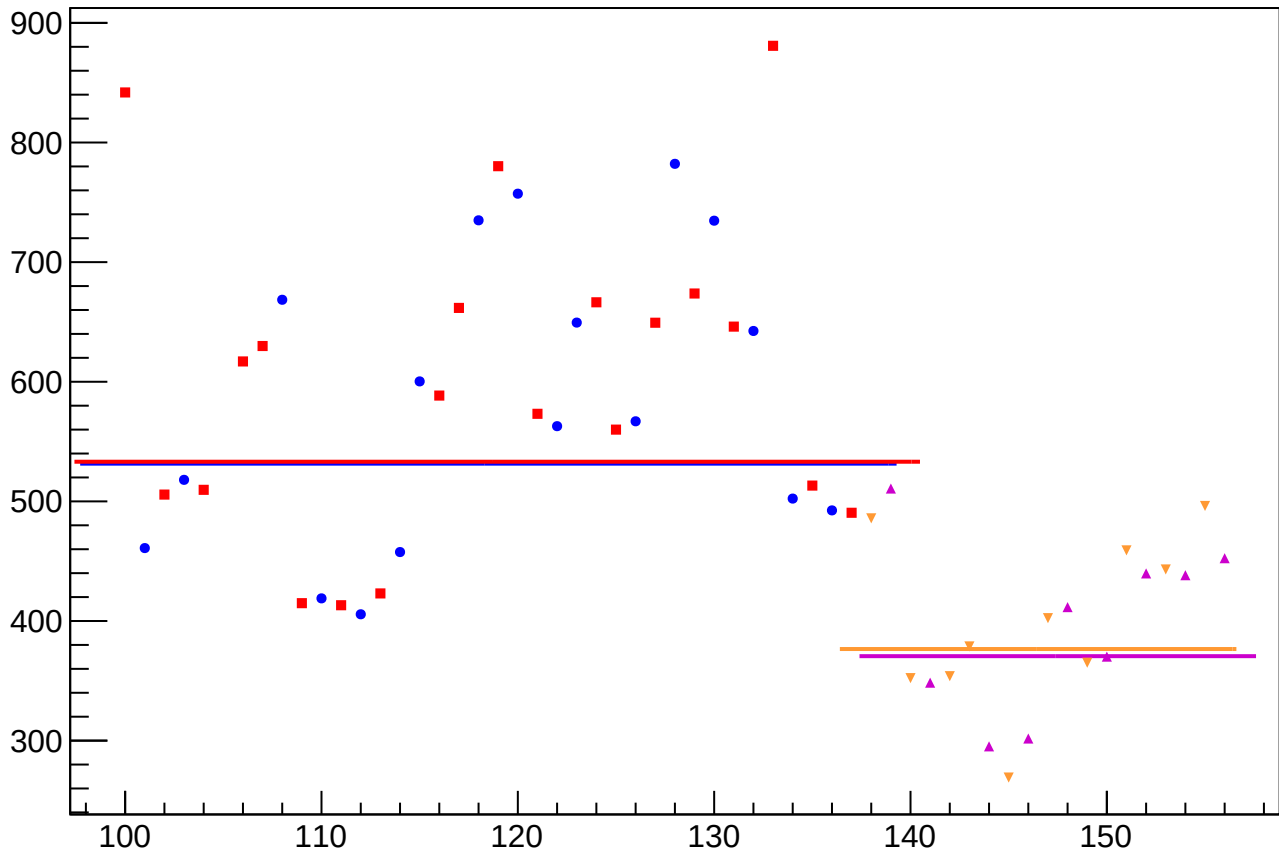
Left In: -131.785 $\pm$ 139.277 χ^2 /NDF:4.9/8

597.818 $\pm$ 117.772 χ^2 /NDF: 51.2/26

184.943 $\pm$ 82.340 χ^2 /NDF: 93.4/55

-209.851 $\pm$ 115.164 χ^2 /NDF: 18.1/28

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 531.554 $\pm$ 0.150 χ^2 /NDF: 550087.6/16

Left Out: 376.577 $\pm$ 0.100 χ^2 /NDF: 512895.8/9

Right Out: 533.157 $\pm$ 0.145 χ^2 /NDF: 619038.4/19

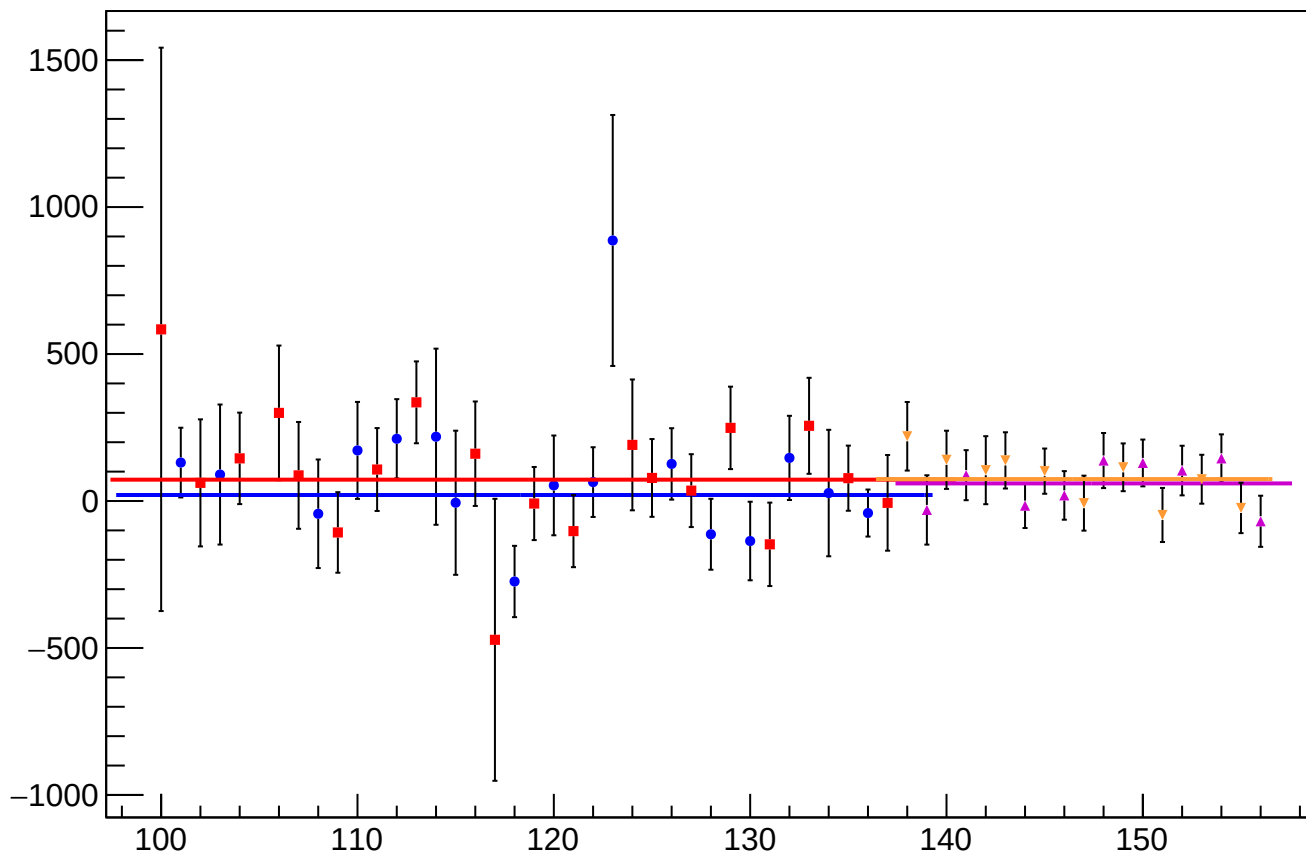
Left In: 370.605 $\pm$ 0.098 χ^2 /NDF: 455583.4/8

424.558 $\pm$ 0.083 χ^2 /NDF: 1803234.9/26

423.259 $\pm$ 0.058 χ^2 /NDF: 3739988.3/55

422.017 $\pm$ 0.081 χ^2 /NDF: 1936277.7/28

reg_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 20.441 $\pm$ 34.583 χ^2 /NDF: 19.3/16

Left Out: 74.620 $\pm$ 28.954 χ^2 /NDF: 6.7/9

Right Out: 72.603 $\pm$ 34.608 χ^2 /NDF: 16.7/19

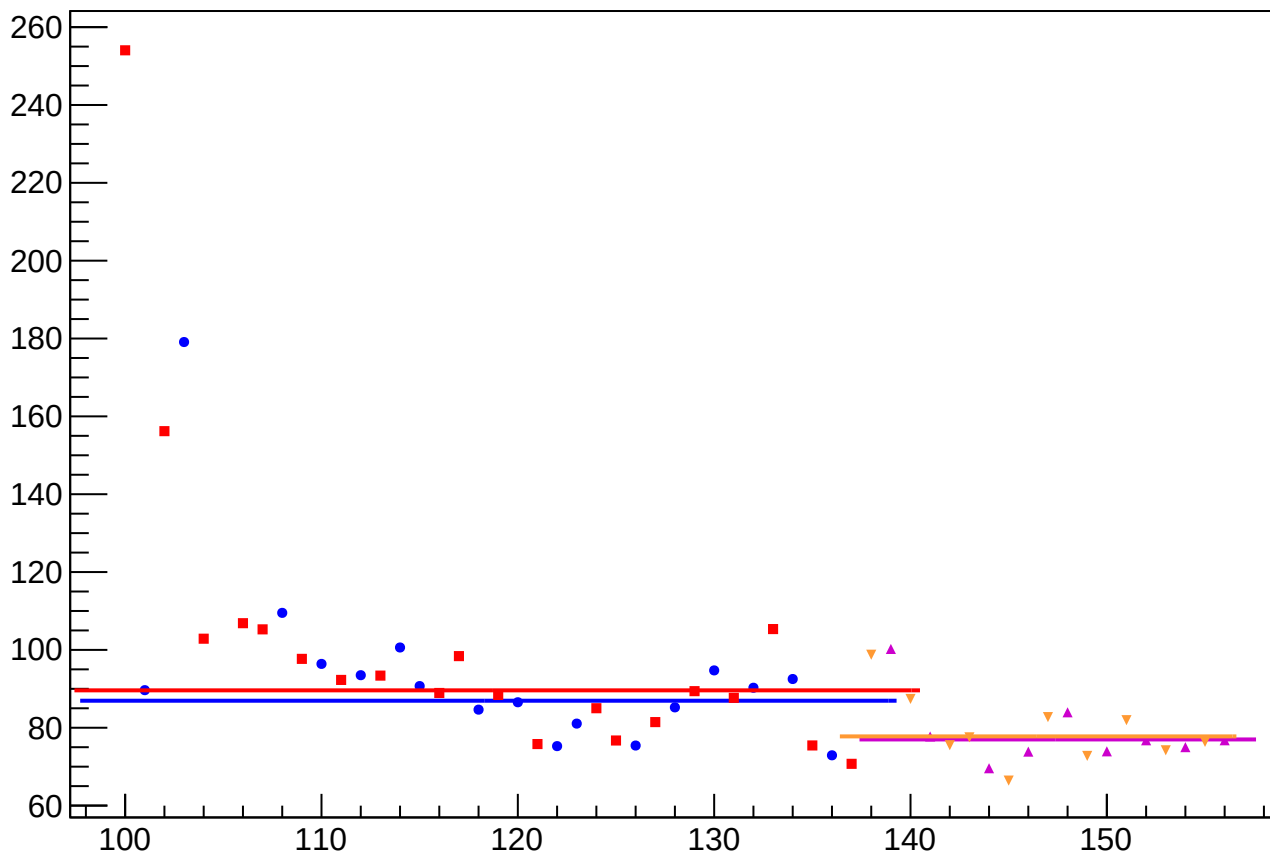
Left In: 59.870 $\pm$ 28.591 χ^2 /NDF: 6.9/8

52.293 $\pm$ 22.200 χ^2 /NDF: 27.4/26

58.710 $\pm$ 15.642 χ^2 /NDF: 51.3/55

65.035 $\pm$ 22.042 χ^2 /NDF: 23.7/28

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 86.943 ± 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 $\chi^2/\text{NDF}: 431905.8/19$

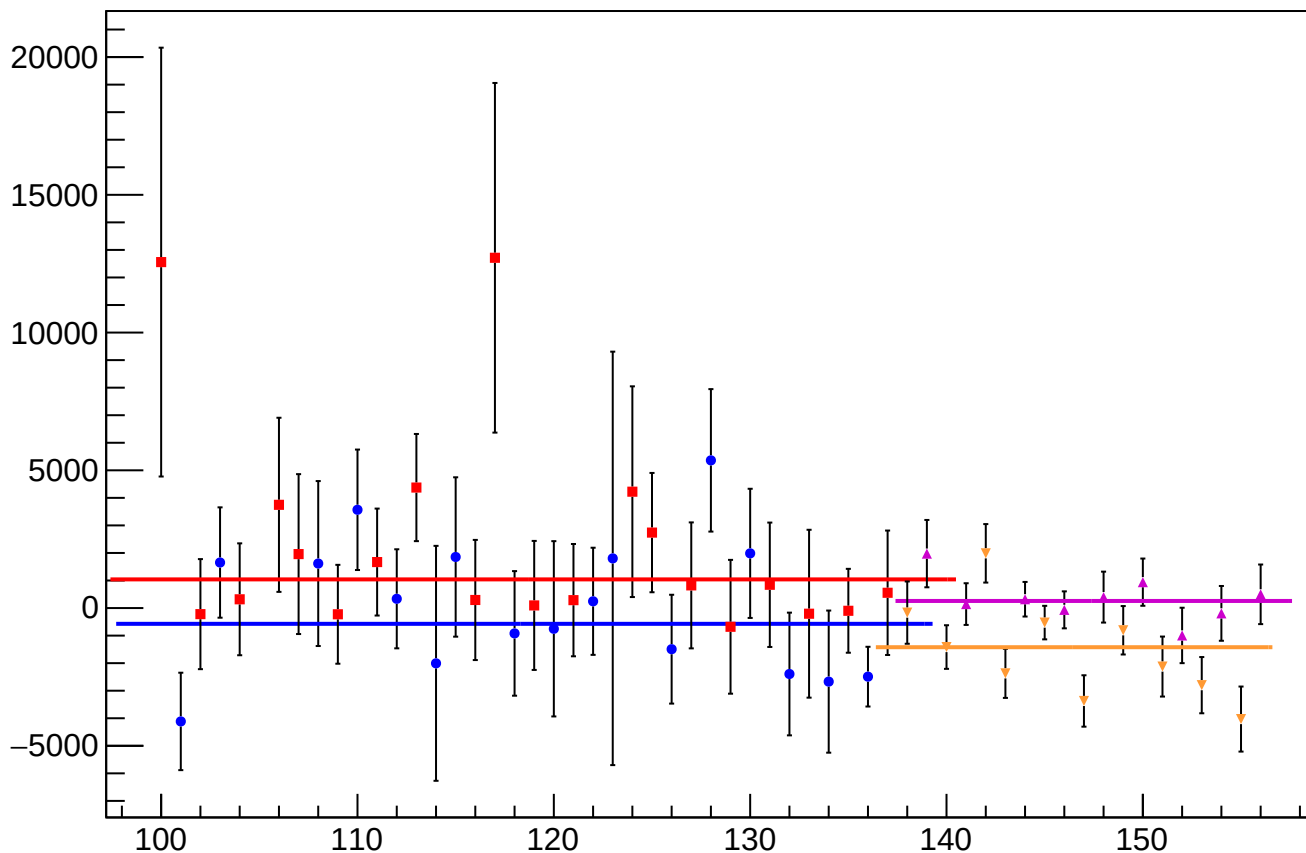
Left In: 76.993 ± 0.020 $\chi^2/\text{NDF}: 114899.3/8$

81.554 ± 0.016 $\chi^2/\text{NDF}: 687928.0/26$

81.834 ± 0.011 $\chi^2/\text{NDF}: 1393287.5/55$

82.110 ± 0.016 $\chi^2/\text{NDF}: 704729.5/28$

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

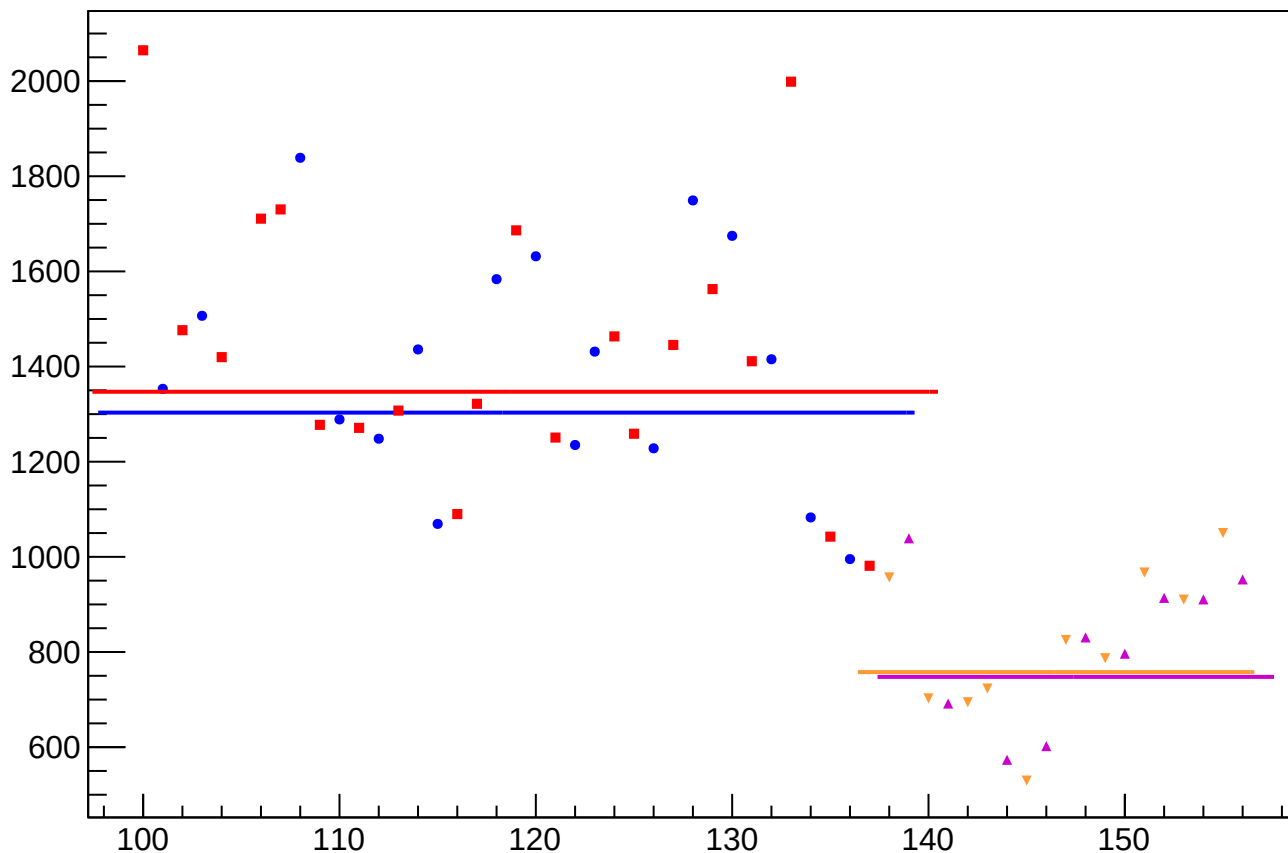
Left In: 257.705 $\pm$ 282.204 χ^2 /NDF: 4.7/8

-1221.914 $\pm$ 250.540 χ^2 /NDF: 50.8/26

-380.176 $\pm$ 175.985 χ^2 /NDF: 93.0/55

439.620 $\pm$ 247.253 χ^2 /NDF: 20.0/28

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

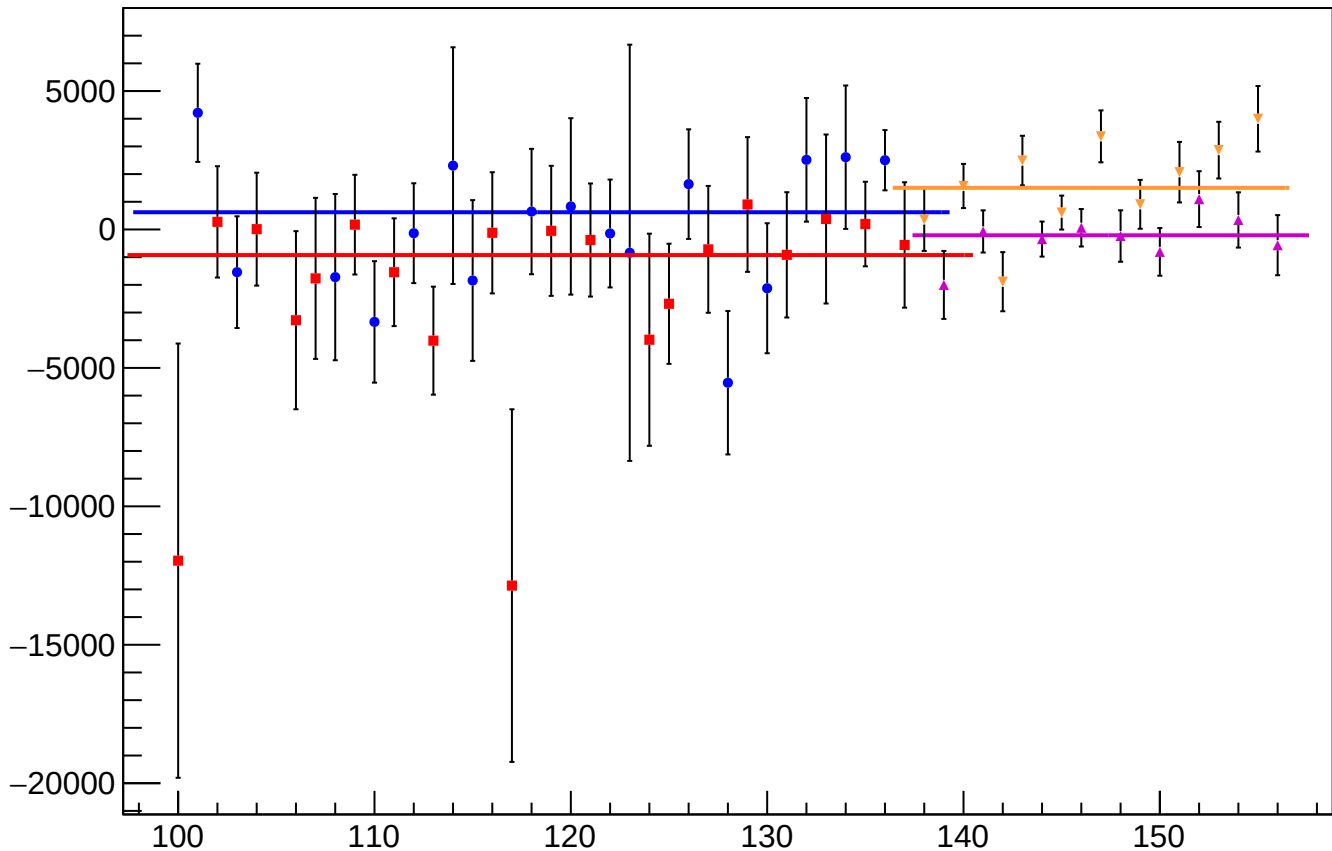
Left In: 747.704 $\pm$ 0.200 χ^2/NDF : 575012.6/8

885.867 $\pm$ 0.177 χ^2/NDF : 2771524.0/26

886.419 $\pm$ 0.124 χ^2/NDF : 5863209.1/55

886.957 $\pm$ 0.175 χ^2/NDF : 3091665.9/28

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 622.411 $\pm$ 518.496 χ^2 /NDF: 22.0/16

Left Out: 1503.959 $\pm$ 288.104 χ^2 /NDF:25.3/9

Right Out: -924.488 $\pm$ 514.636 χ^2 /NDF: 12.6/19

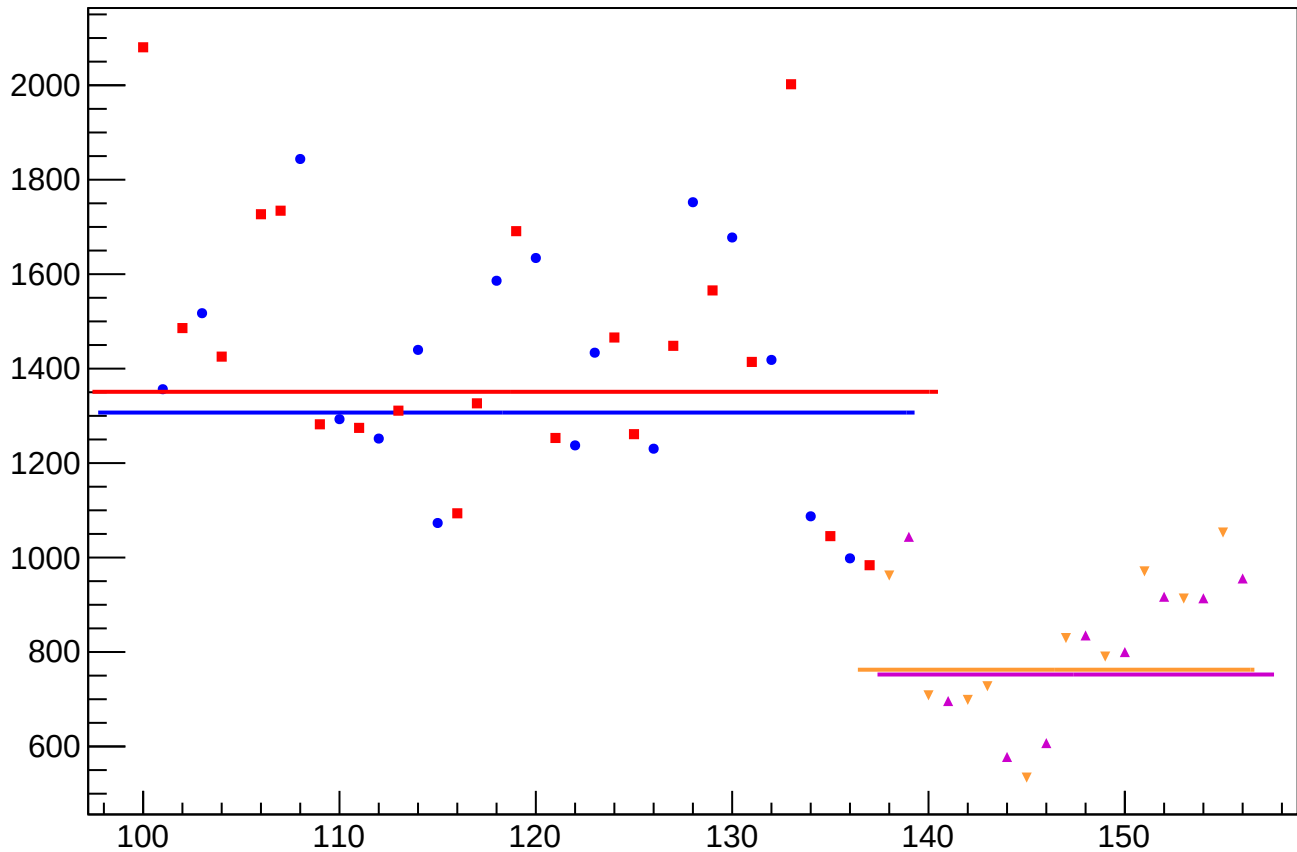
Left In: -210.211 $\pm$ 283.858 χ^2 /NDF:4.9/8

1295.992 $\pm$ 251.837 χ^2 /NDF: 49.4/26

448.613 $\pm$ 176.904 χ^2 /NDF: 90.8/55

-376.826 $\pm$ 248.556 χ^2 /NDF: 19.0/28

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1306.980+/-0.367 χ^2/NDF : 451191.7/16

Left Out: 762.528+/-0.204 χ^2/NDF : 606792.2/9

Right Out: 1350.936+/-0.364 χ^2/NDF : 421834.2/19

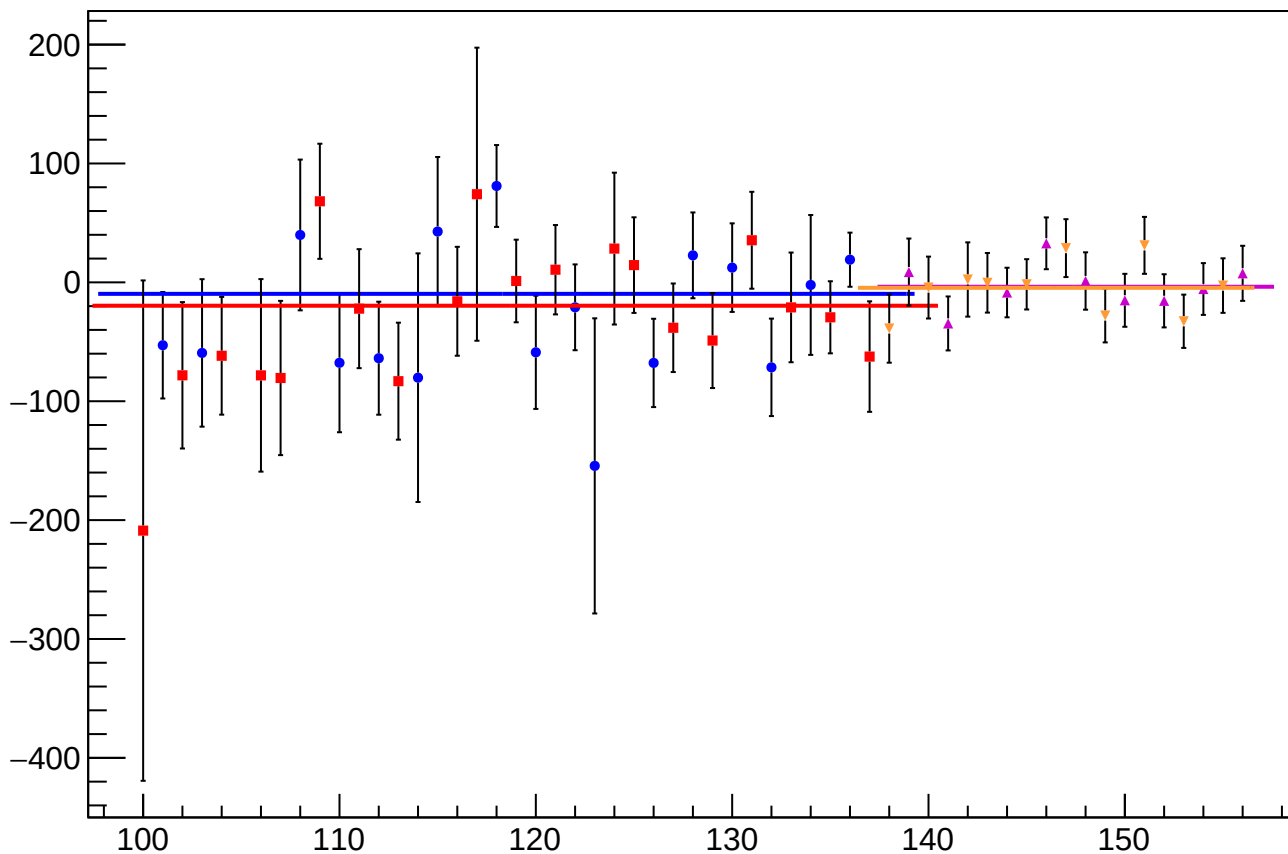
Left In: 752.357+/-0.201 χ^2/NDF : 565658.9/8

890.971+/-0.178 χ^2/NDF : 2742993.5/26

891.484+/-0.125 χ^2/NDF : 5805027.9/55

891.983+/-0.176 χ^2/NDF : 3062018.0/28

reg_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -9.669+/-10.408 χ^2/NDF : 22.6/16

Left Out: -4.597+/-7.713 χ^2/NDF : 8.3/9

Right Out: -19.662+/-10.406 χ^2/NDF : 15.2/19

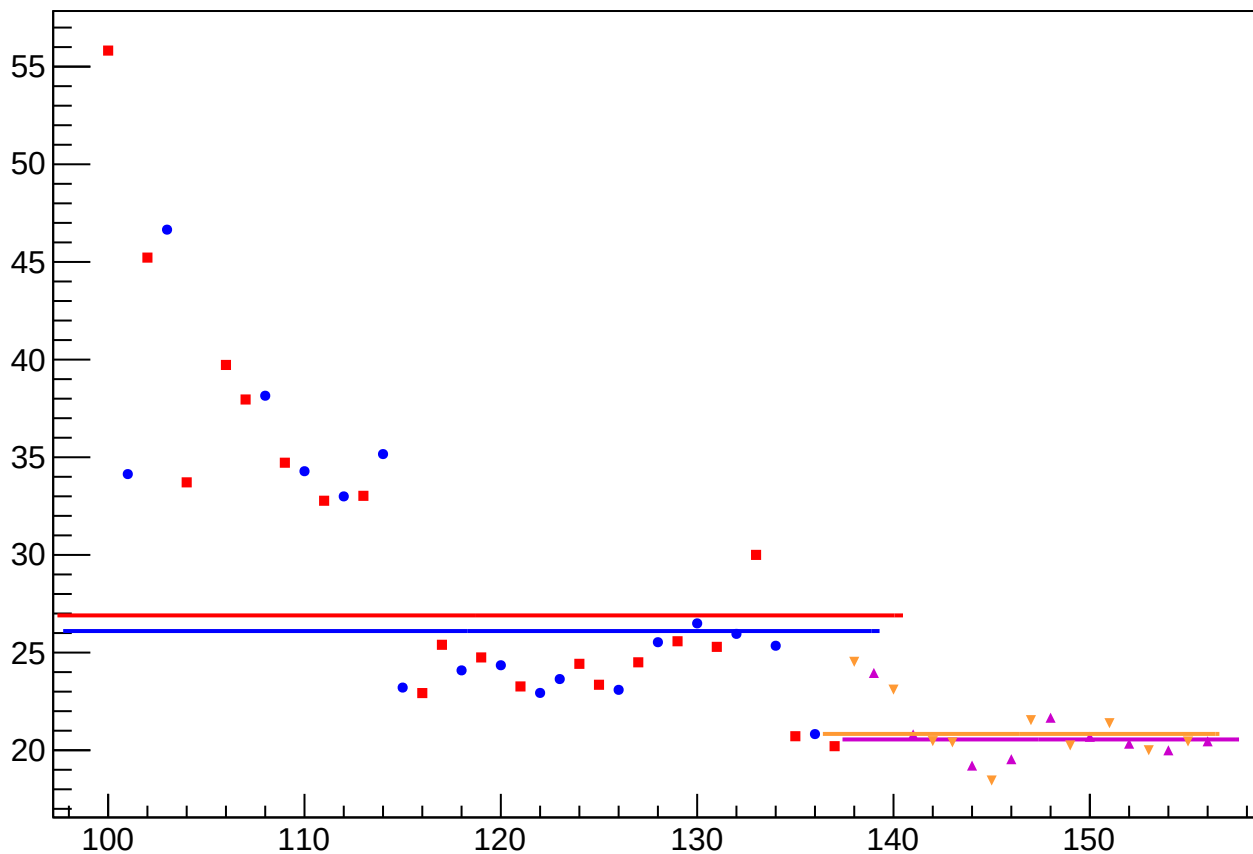
Left In: -3.691+/-7.600 χ^2/NDF : 5.7/8

-6.395+/-6.197 χ^2/NDF : 31.0/26

-7.834+/-4.361 χ^2/NDF : 53.6/55

-9.246+/-6.137 χ^2/NDF : 22.5/28

reg_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 26.103+/-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

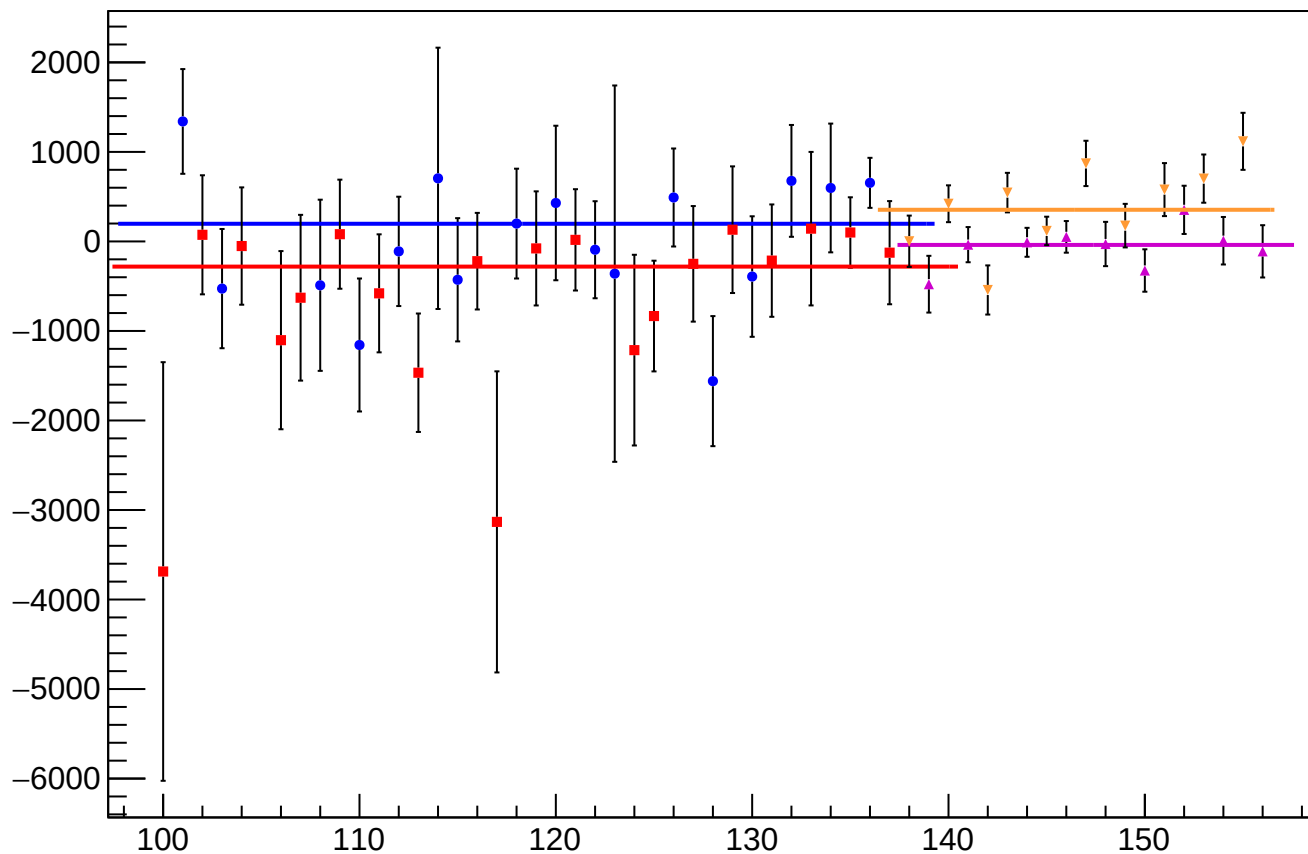
Left In: 20.552+/-0.005 χ^2/NDF : 47840.3/8

22.703+/-0.004 χ^2/NDF : 1016487.8/26

22.732+/-0.003 χ^2/NDF : 2229439.9/55

22.761+/-0.004 χ^2/NDF : 1212861.9/28

asym_sam_1357_2468_dd_correction_mean vs Slug, Sign Corrected



Right In: 197.327 $\pm$ 147.883 χ^2 /NDF: 21.0/16

Left Out: 353.619 $\pm$ 75.228 χ^2 /NDF:28.0/9

Right Out: -281.185 $\pm$ 149.275 χ^2 /NDF: 13.6/19

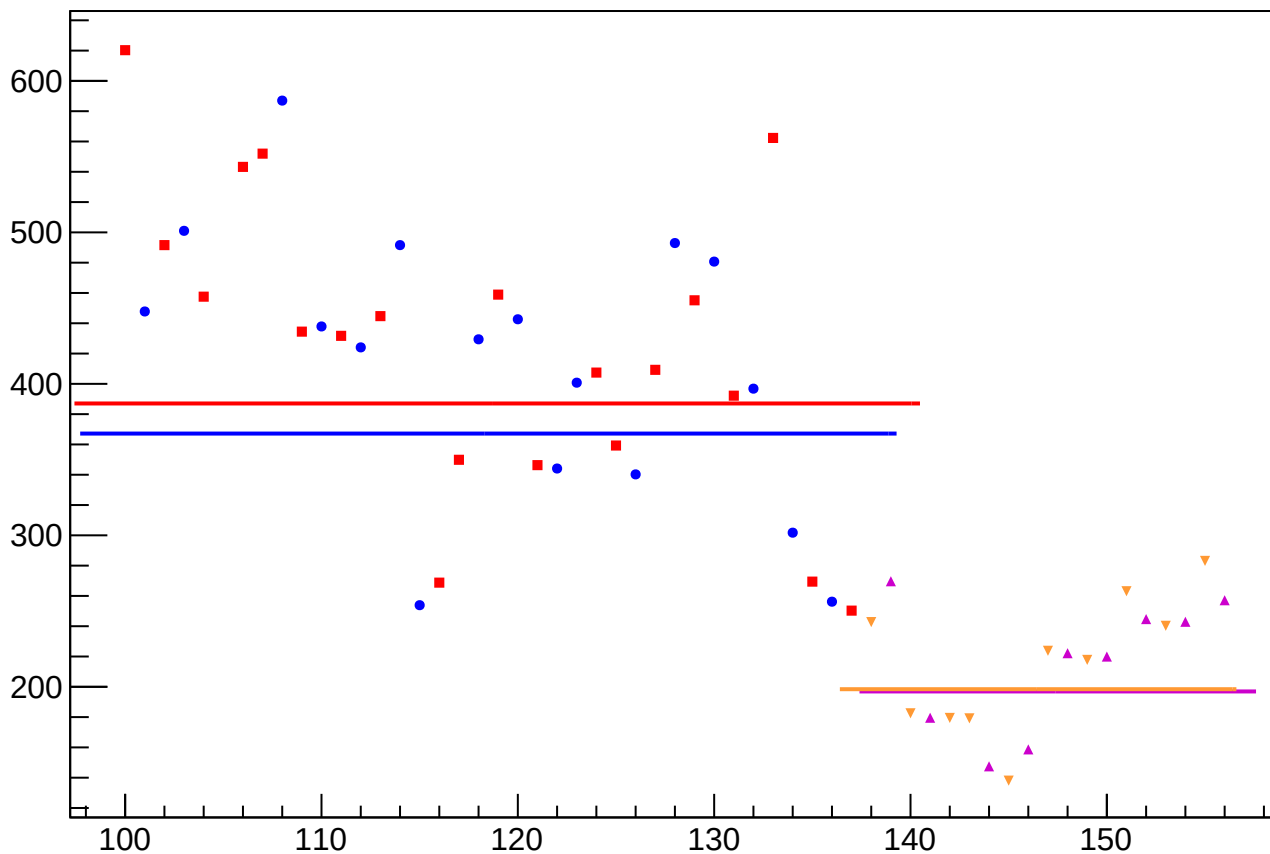
Left In: -39.007 $\pm$ 74.534 χ^2 /NDF:5.9/8

321.489 $\pm$ 67.051 χ^2 /NDF: 49.8/26

115.954 $\pm$ 47.282 χ^2 /NDF: 90.0/55

-87.336 $\pm$ 66.684 χ^2 /NDF: 21.5/28

asym_sam_1357_2468_dd_correction_rms vs Slug, Sign Corrected



Right In: 367.180 $\pm$ 0.105 χ^2 /NDF: 827148.2/16

Left Out: 198.418 $\pm$ 0.053 χ^2 /NDF: 690814.1/9

Right Out: 387.048 $\pm$ 0.106 χ^2 /NDF: 775547.5/19

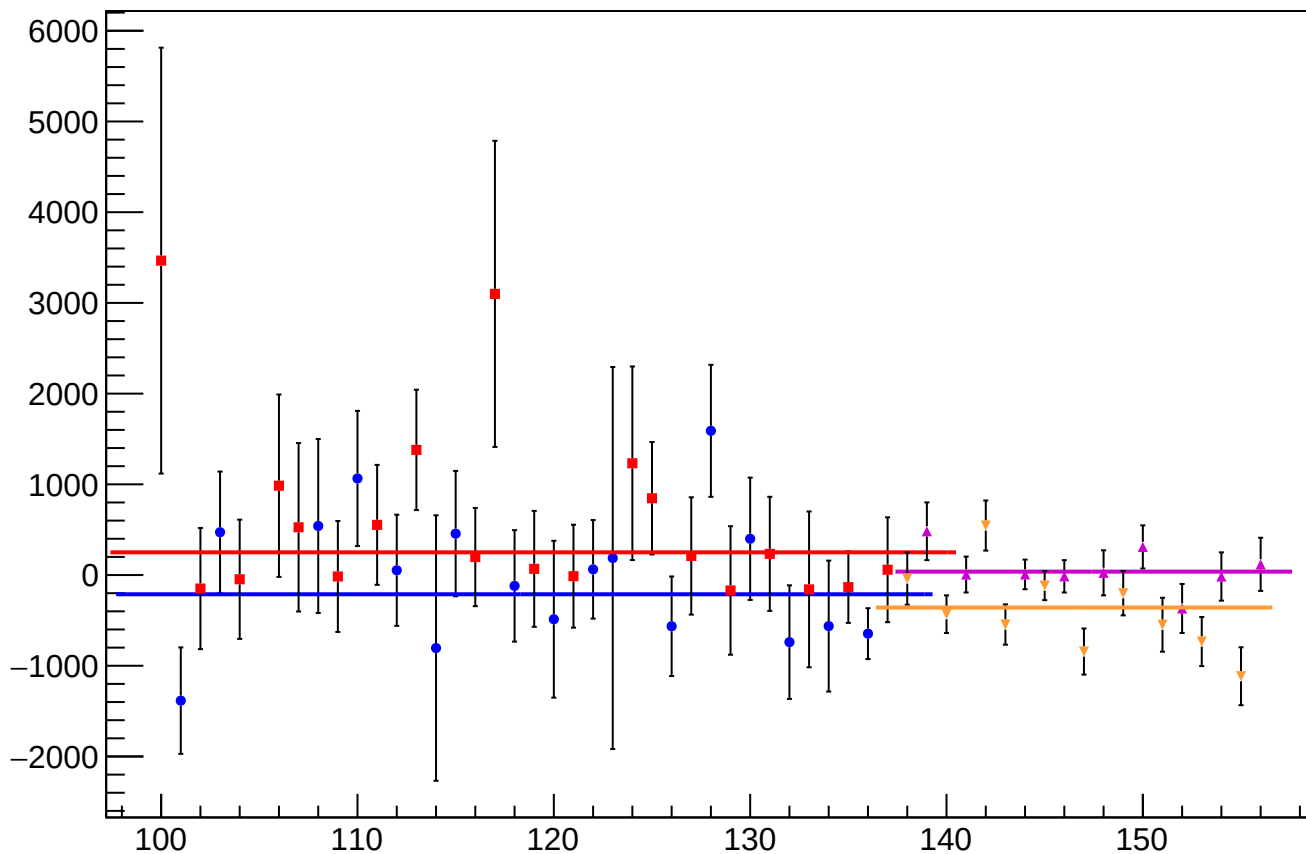
Left In: 196.938 $\pm$ 0.053 χ^2 /NDF: 649332.6/8

233.111 $\pm$ 0.047 χ^2 /NDF: 3587131.6/26

233.999 $\pm$ 0.033 χ^2 /NDF: 7609253.8/55

234.876 $\pm$ 0.047 χ^2 /NDF: 4021425.8/28

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -211.859 ± 148.316 χ^2/NDF : 21.0/16

Left Out: -358.117 ± 75.696 χ^2/NDF : 27.0/9

Right Out: 250.443 ± 149.724 χ^2/NDF : 12.9/19

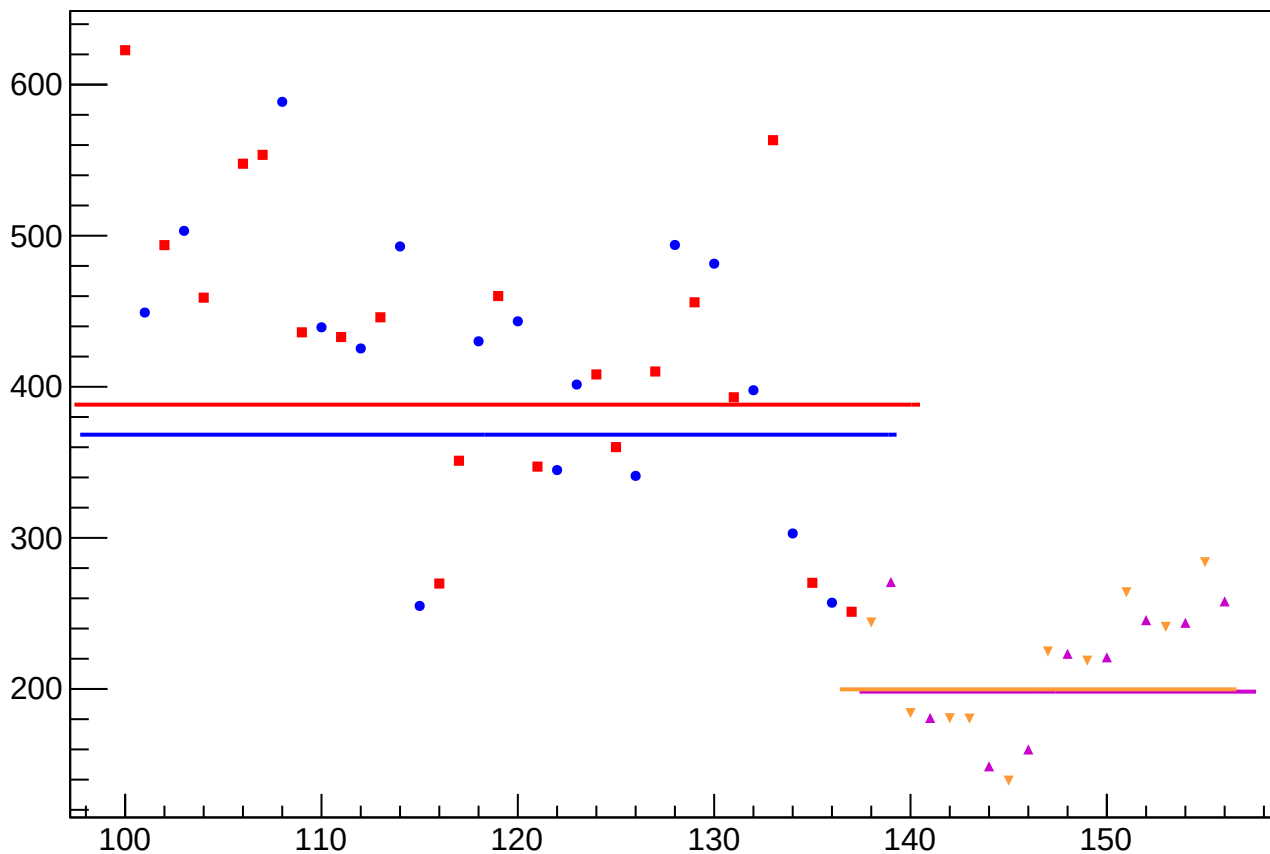
Left In: 37.697 ± 74.989 χ^2/NDF : 5.8/8

-327.893 ± 67.422 χ^2/NDF : 48.8/26

-122.634 ± 47.542 χ^2/NDF : 87.6/55

80.362 ± 67.049 χ^2/NDF : 20.3/28

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 368.302 $\pm$ 0.105 χ^2/NDF : 824619.2/16

Left Out: 199.754 $\pm$ 0.054 χ^2/NDF : 678001.8/9

Right Out: 388.178 $\pm$ 0.106 χ^2/NDF : 775692.7/19

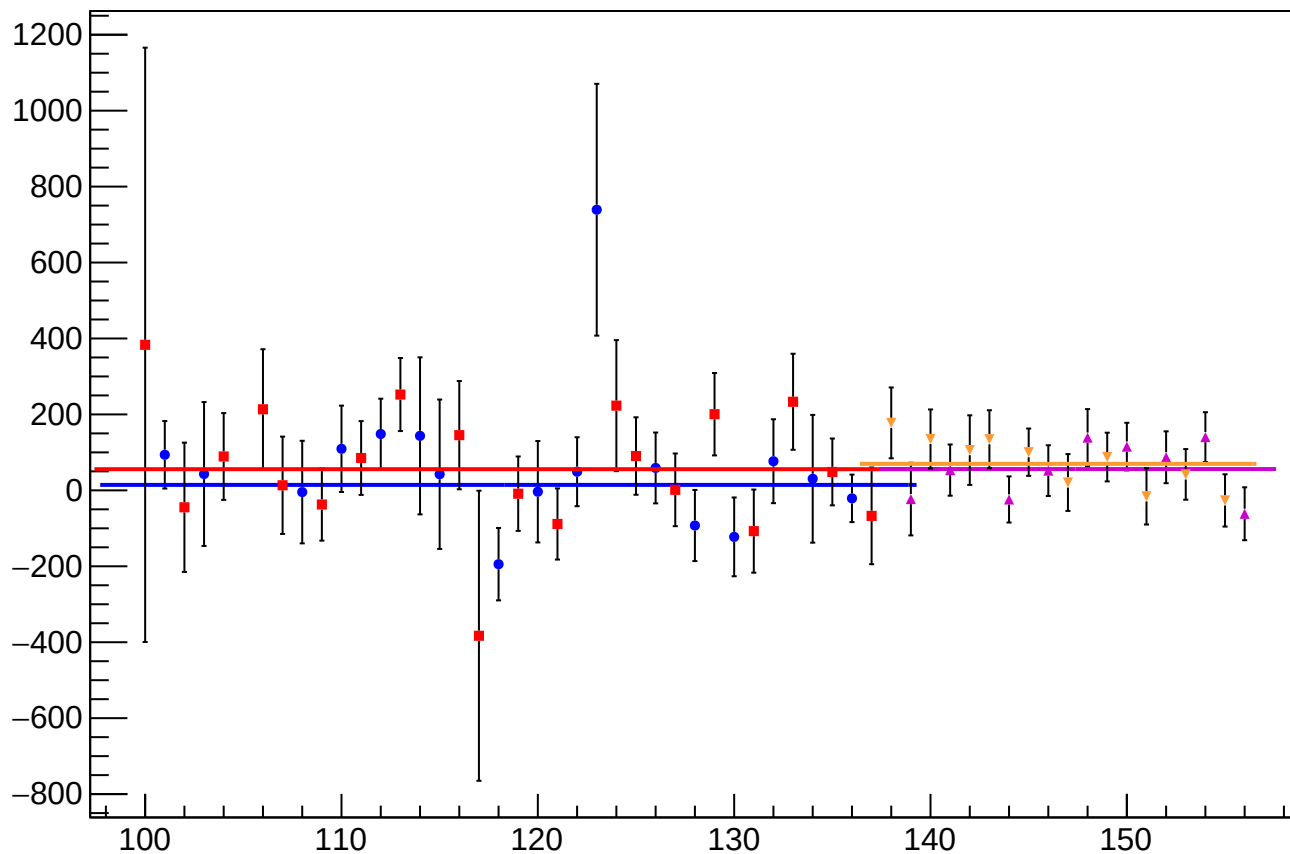
Left In: 198.238 $\pm$ 0.053 χ^2/NDF : 636934.9/8

234.584 $\pm$ 0.048 χ^2/NDF : 3551741.5/26

235.461 $\pm$ 0.034 χ^2/NDF : 7538250.0/55

236.330 $\pm$ 0.047 χ^2/NDF : 3985834.3/28

reg_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 14.385 $\pm$ 26.334 χ^2 /NDF: 17.7/16

Left Out: 69.825 $\pm$ 23.137 χ^2 /NDF: 7.1/9

Right Out: 55.744 $\pm$ 26.060 χ^2 /NDF: 19.7/19

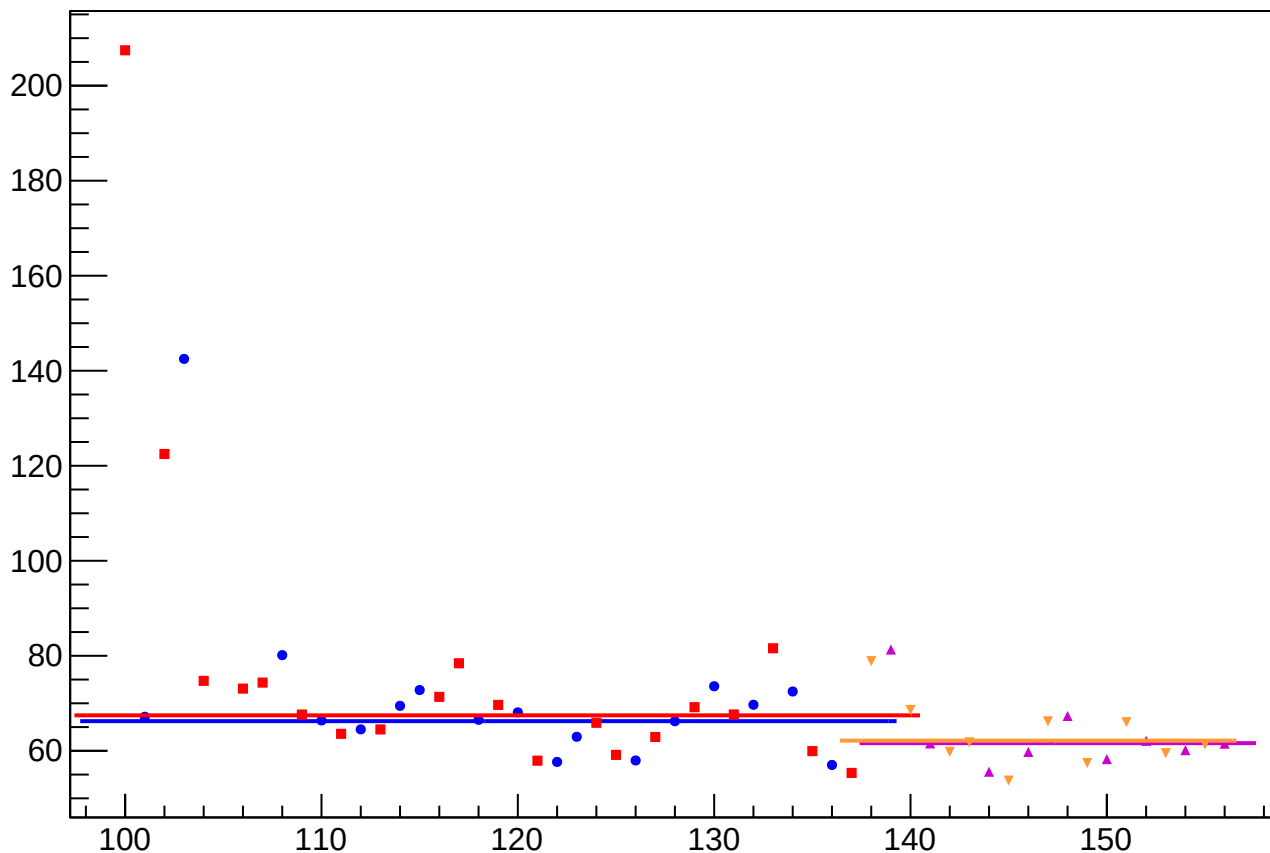
Left In: 56.021 $\pm$ 22.887 χ^2 /NDF: 9.2/8

45.673 $\pm$ 17.381 χ^2 /NDF: 27.3/26

50.841 $\pm$ 12.225 χ^2 /NDF: 56.5/55

55.900 $\pm$ 17.196 χ^2 /NDF: 29.0/28

reg_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 66.247 ± 0.019 χ^2/NDF : 440944.2/16

Left Out: 62.147 ± 0.016 χ^2/NDF : 141529.4/9

Right Out: 67.466 ± 0.018 χ^2/NDF : 395262.8/19

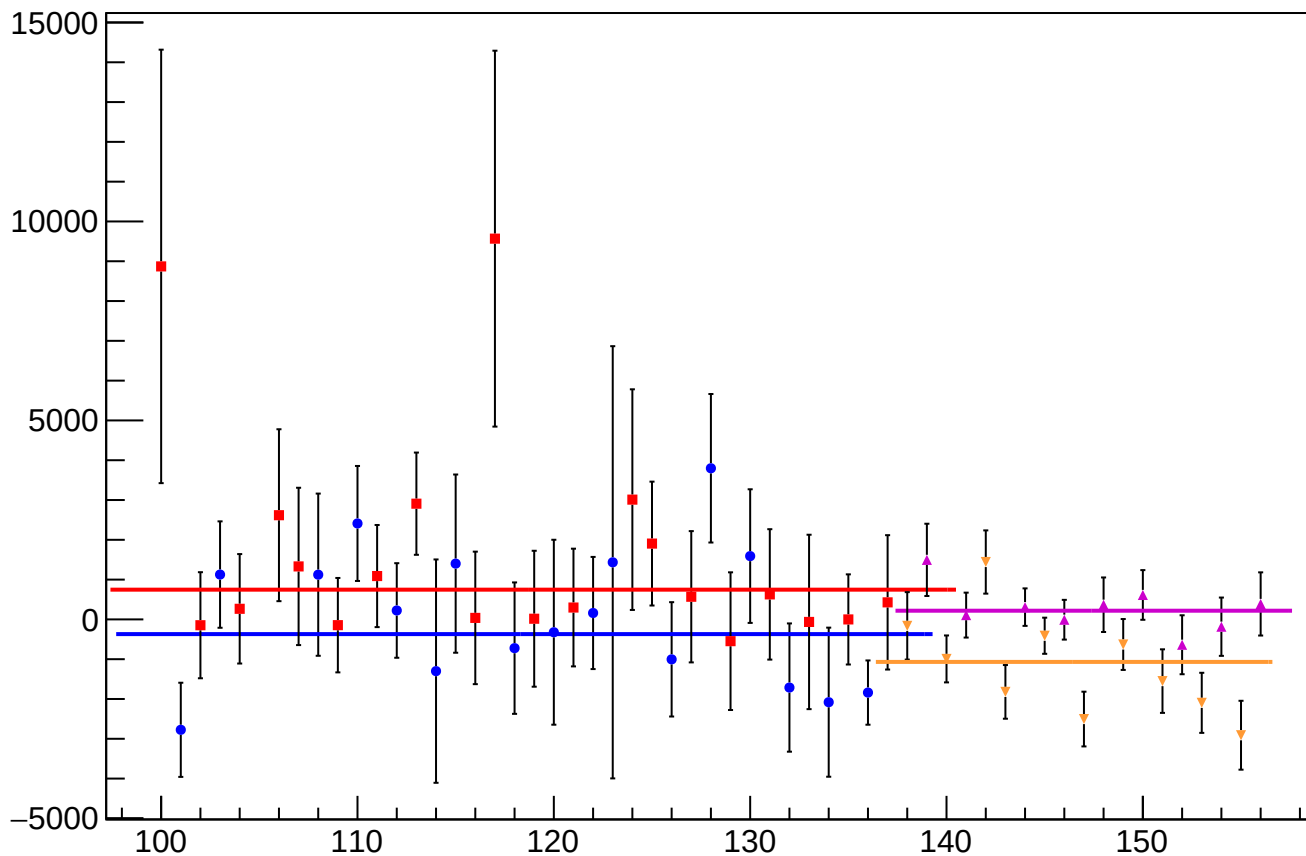
Left In: 61.616 ± 0.016 χ^2/NDF : 124342.5/8

63.933 ± 0.012 χ^2/NDF : 609836.4/26

64.050 ± 0.009 χ^2/NDF : 1186523.7/55

64.164 ± 0.012 χ^2/NDF : 576509.8/28

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



Right In: -369.546+/-366.432 χ^2/NDF : 22.3/16

Left Out: -1068.246+/-212.627 χ^2/NDF : 26.1/9

Right Out: 747.208+/-360.830 χ^2/NDF : 13.4/19

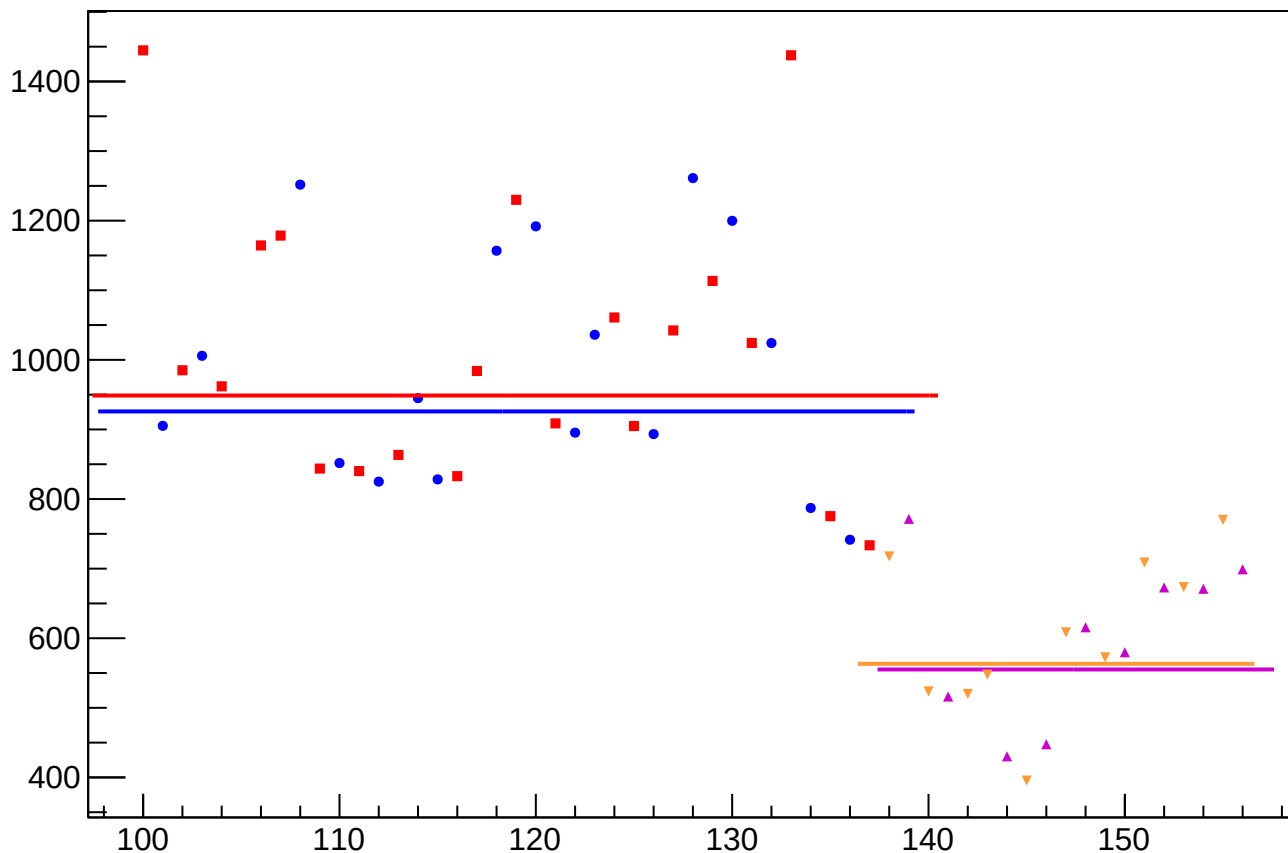
Left In: 218.286+/-209.252 χ^2/NDF : 4.4/8

-892.249+/-183.908 χ^2/NDF : 51.1/26

-260.569+/-129.008 χ^2/NDF : 93.8/55

351.399+/-181.016 χ^2/NDF : 19.5/28

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



Right In: 925.885 $\pm$ 0.259 χ^2 /NDF: 391084.5/16

Left Out: 563.242 $\pm$ 0.150 χ^2 /NDF: 587883.7/9

Right Out: 948.760 $\pm$ 0.255 χ^2 /NDF: 382044.0/19

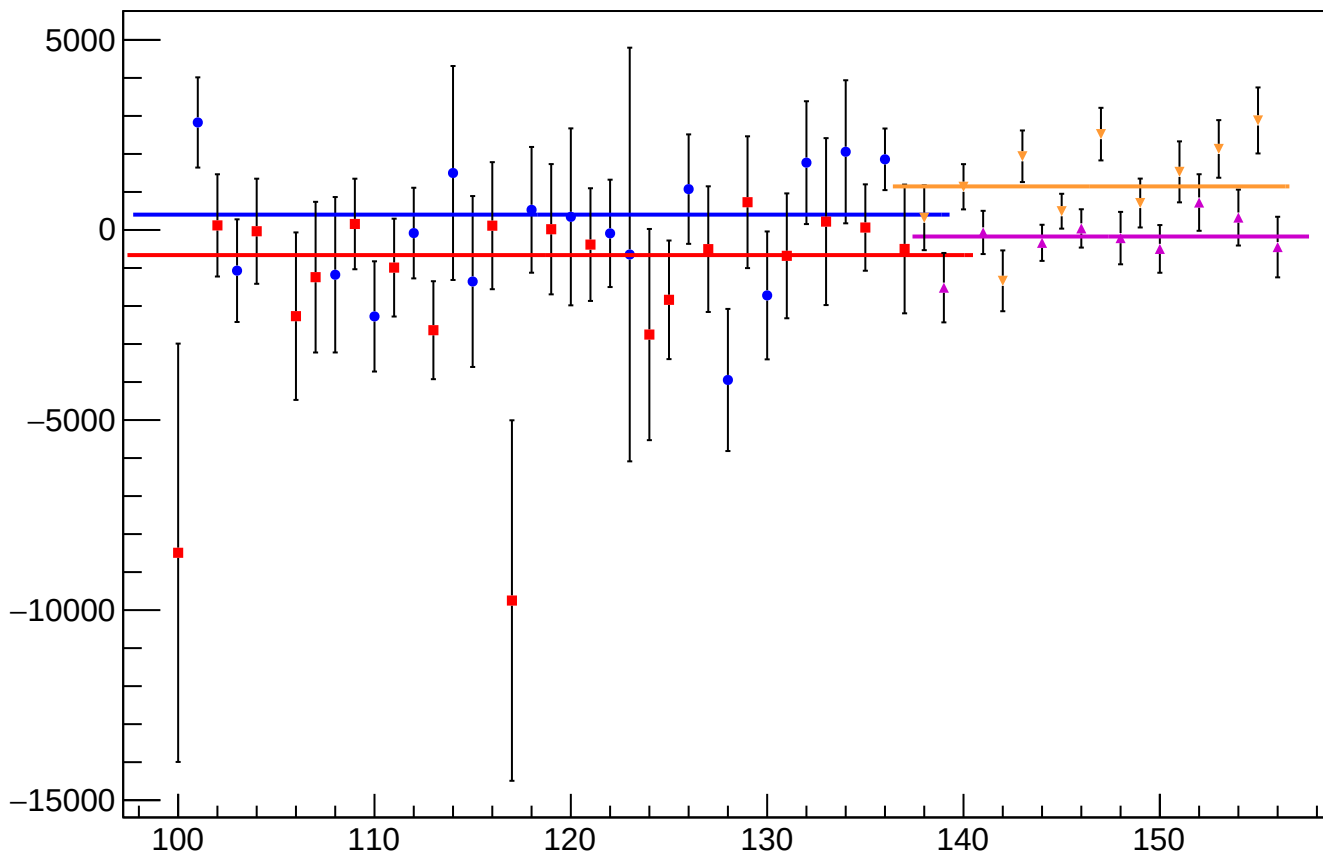
Left In: 555.091 $\pm$ 0.148 χ^2 /NDF: 541449.0/8

654.589 $\pm$ 0.130 χ^2 /NDF: 2444396.8/26

654.373 $\pm$ 0.091 χ^2 /NDF: 5149376.7/55

654.165 $\pm$ 0.128 χ^2 /NDF: 2704974.5/28

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

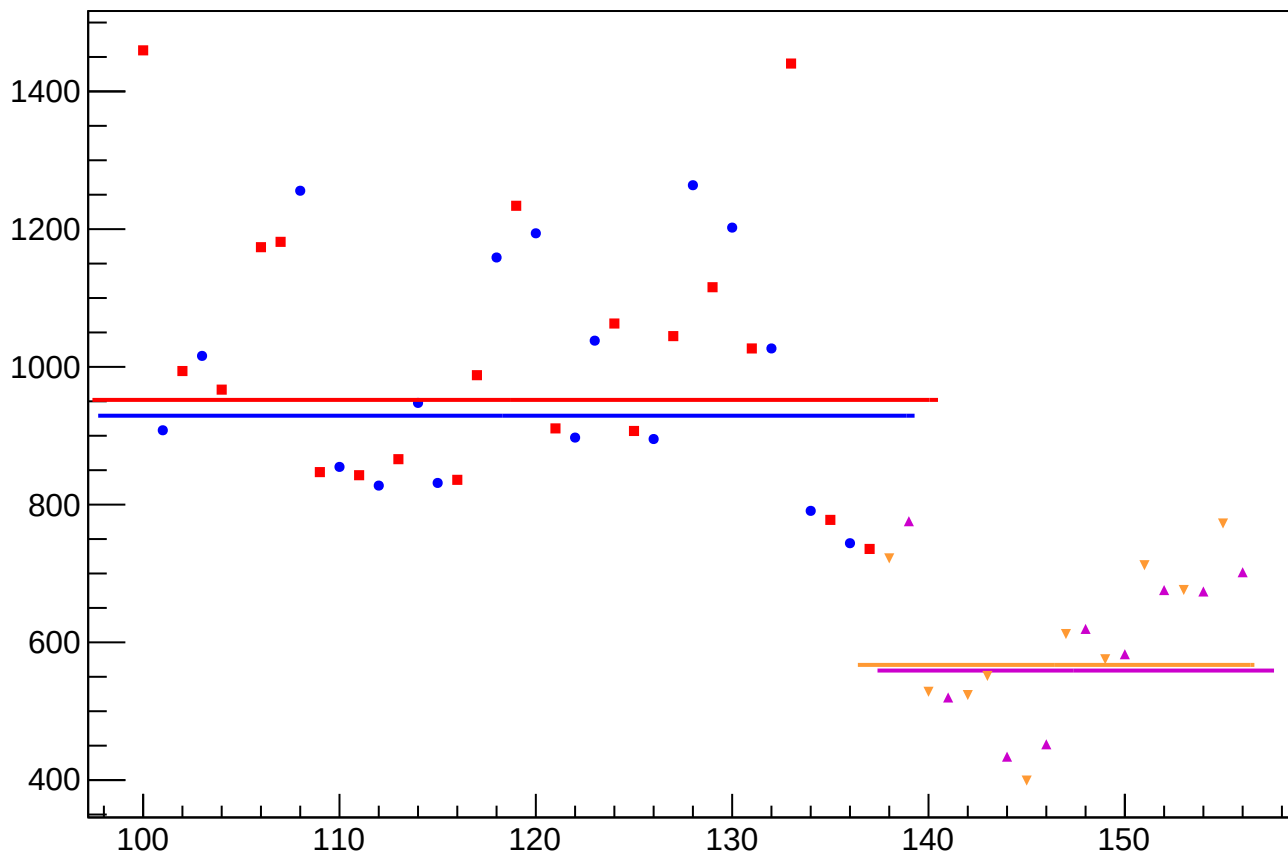
Left In: -171.766 $\pm$ 210.665 χ^2 /NDF:4.8/8

958.267 $\pm$ 184.997 χ^2 /NDF: 49.8/26

321.627 $\pm$ 129.780 χ^2 /NDF: 91.8/55

-295.306 $\pm$ 182.111 χ^2 /NDF: 18.7/28

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 929.096 $\pm$ 0.260 χ^2 /NDF: 390292.1/16

Left Out: 567.274 $\pm$ 0.151 χ^2 /NDF: 576966.3/9

Right Out: 952.057 $\pm$ 0.256 χ^2 /NDF: 382334.5/19

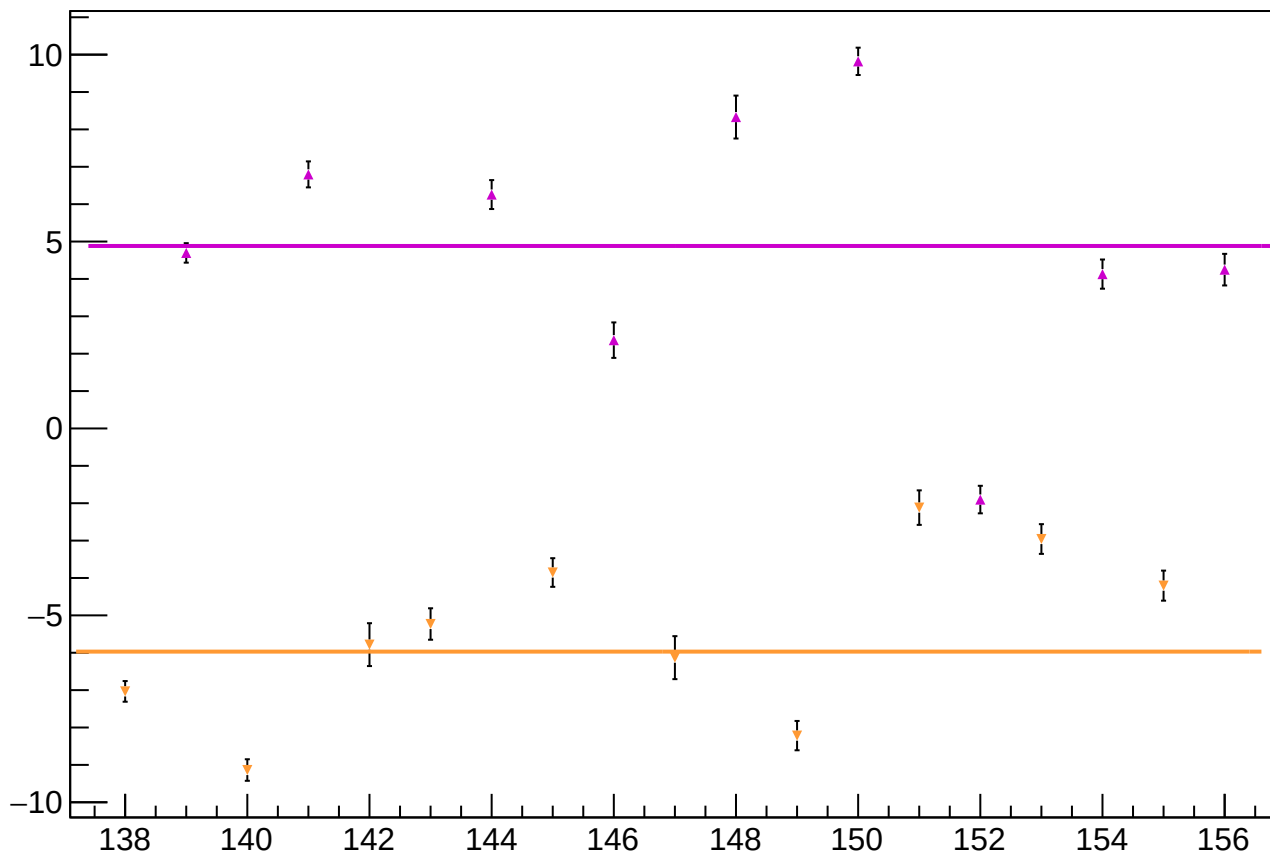
Left In: 559.055 $\pm$ 0.149 χ^2 /NDF: 531471.5/8

658.869 $\pm$ 0.131 χ^2 /NDF: 2413704.1/26

658.615 $\pm$ 0.092 χ^2 /NDF: 5086481.1/55

658.370 $\pm$ 0.129 χ^2 /NDF: 2672769.6/28

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -5.970+/-0.122 χ^2/NDF : 348.5/9

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

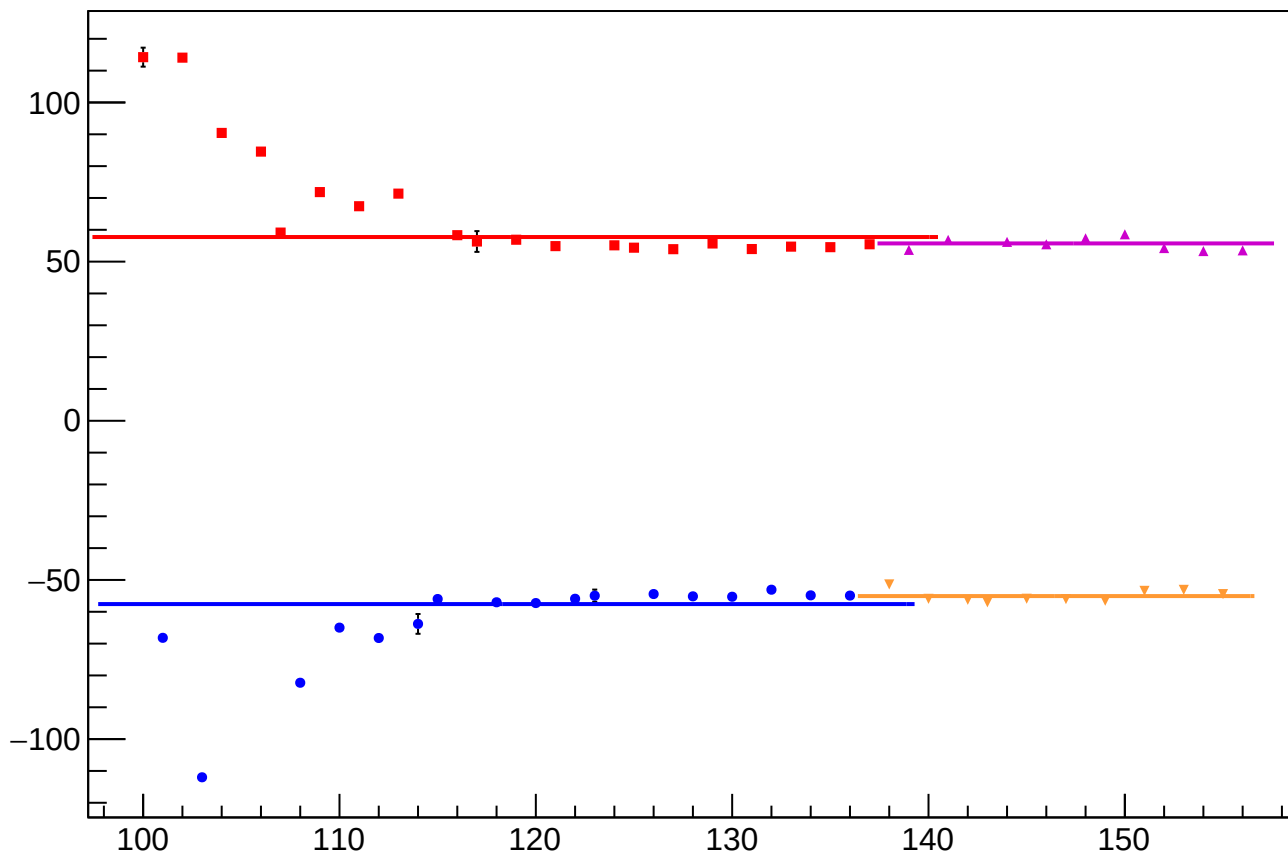
Left In: 4.882+/-0.125 χ^2/NDF : 635.3/8

-5.970+/-0.122 χ^2/NDF : 348.5/9

-0.676+/-0.087 χ^2/NDF : 4852.5/18

4.882+/-0.125 χ^2/NDF : 635.3/8

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.581 ± 0.143 χ^2/NDF : 3455.5/16

Left Out: -55.069 ± 0.090 χ^2/NDF : 338.5/9

Right Out: 57.730 ± 0.143 χ^2/NDF : 4698.7/19

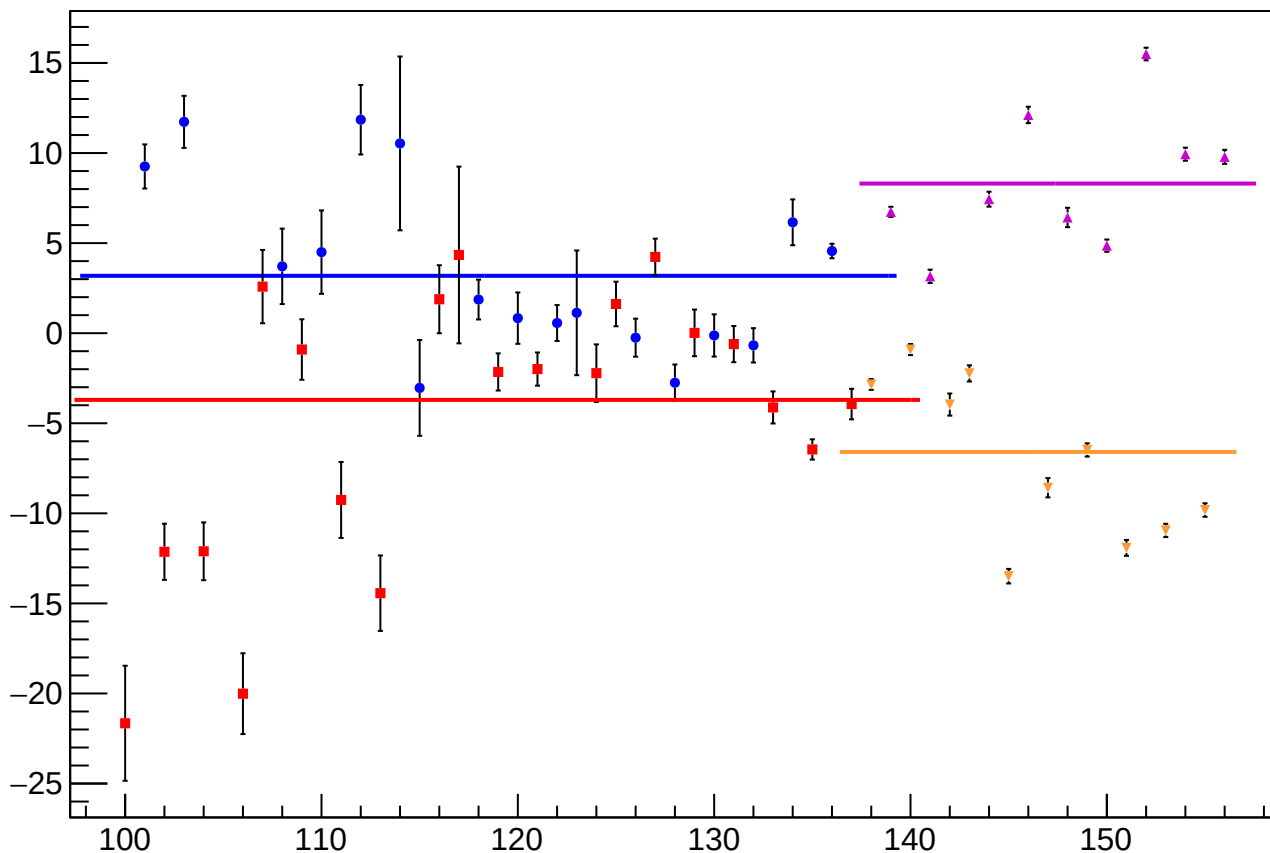
Left In: 55.720 ± 0.095 χ^2/NDF : 369.6/8

-55.785 ± 0.076 χ^2/NDF : 4014.4/26

-1.671 ± 0.055 χ^2/NDF : 1048531.8/55

56.337 ± 0.079 χ^2/NDF : 5205.5/28

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.185 ± 0.259 χ^2/NDF : 185.8/16

Left Out: -6.592 ± 0.123 χ^2/NDF : 1274.8/9

Right Out: -3.702 ± 0.267 χ^2/NDF : 326.8/19

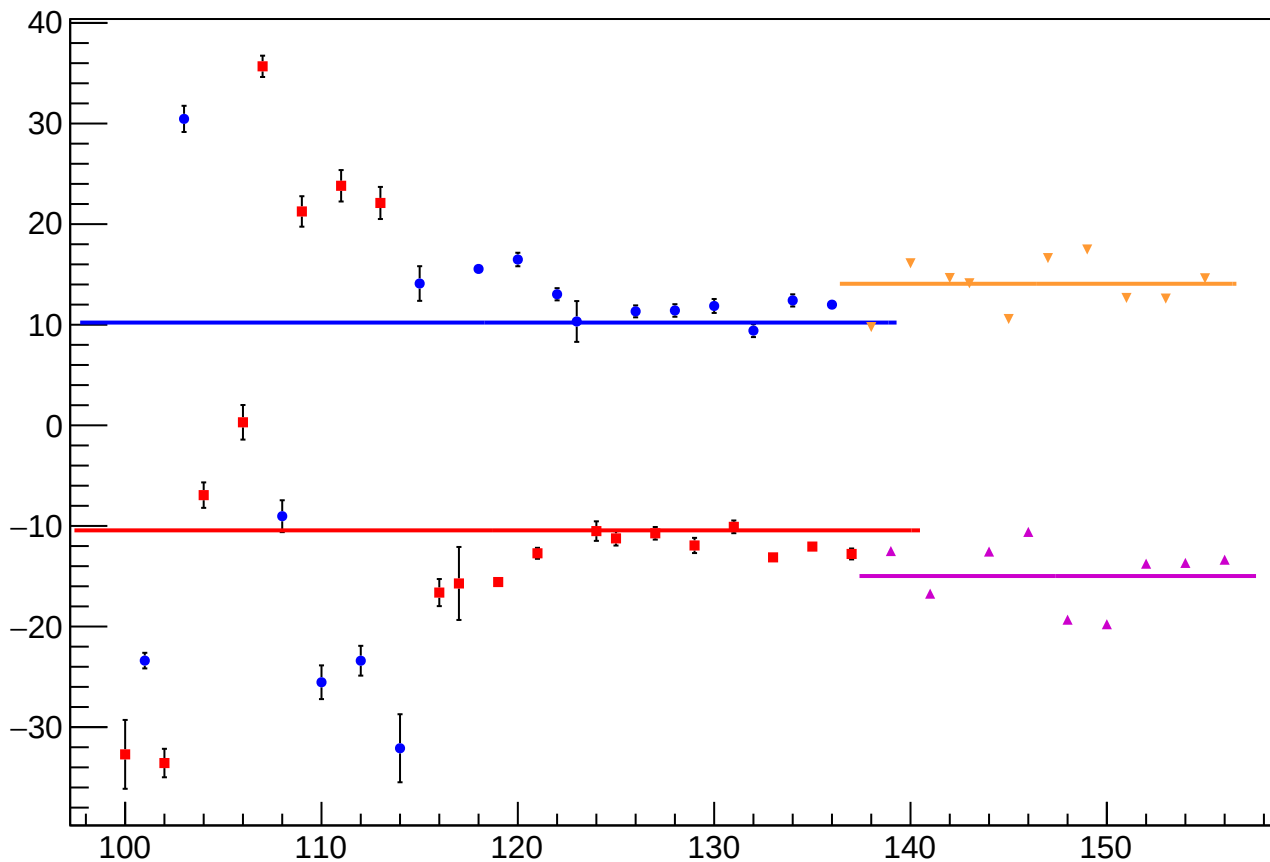
Left In: 8.306 ± 0.124 χ^2/NDF : 864.1/8

-4.789 ± 0.111 χ^2/NDF : 2622.9/26

0.616 ± 0.079 χ^2/NDF : 10259.3/55

6.167 ± 0.113 χ^2/NDF : 2851.5/28

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.215 ± 0.158 $\chi^2/\text{NDF}: 3692.6/16$

Left Out: 14.072 ± 0.108 $\chi^2/\text{NDF}: 501.9/9$

Right Out: -10.440 ± 0.160 $\chi^2/\text{NDF}: 3829.1/19$

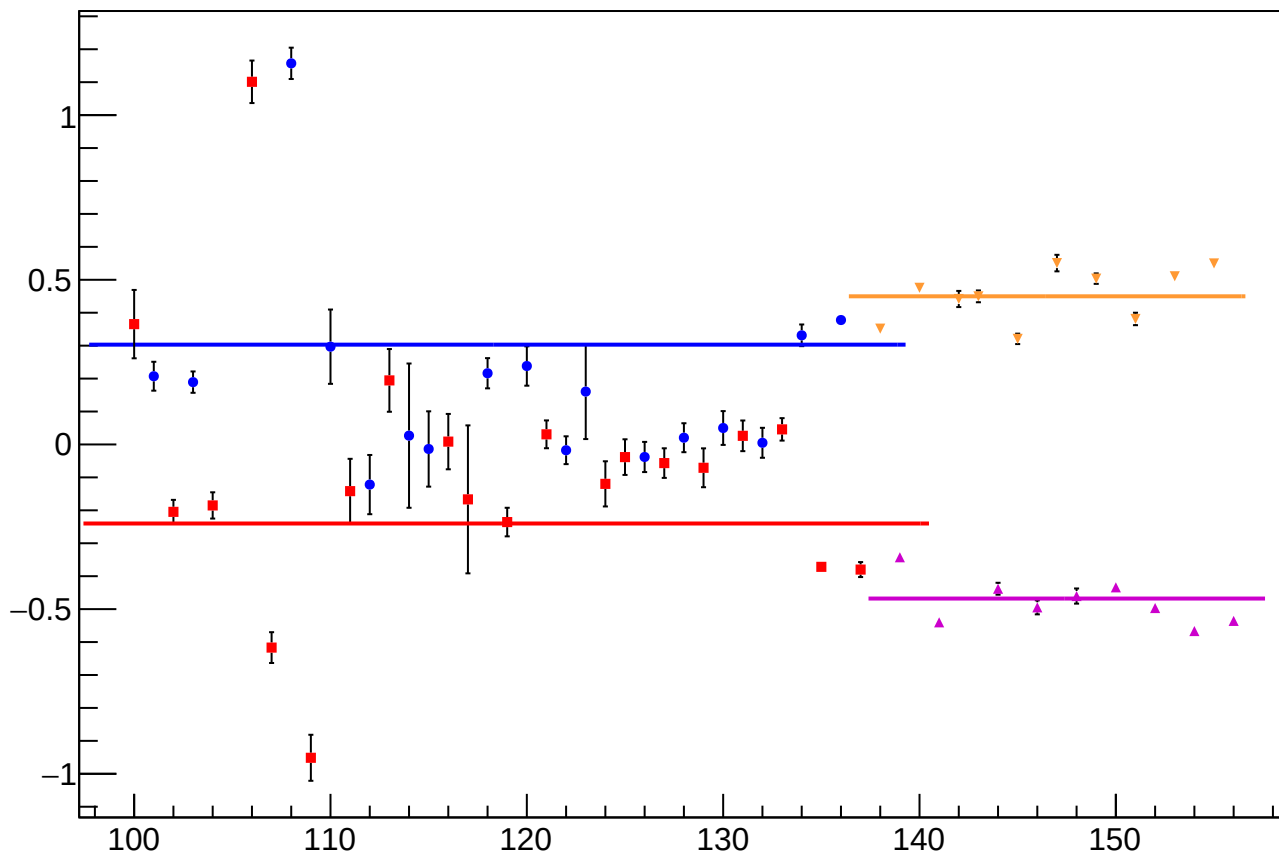
Left In: -14.980 ± 0.112 $\chi^2/\text{NDF}: 706.5/8$

12.847 ± 0.089 $\chi^2/\text{NDF}: 4600.7/26$

0.068 ± 0.064 $\chi^2/\text{NDF}: 52052.7/55$

-13.484 ± 0.092 $\chi^2/\text{NDF}: 5076.2/28$

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.303 ± 0.008 χ^2/NDF : 646.3/16

Left Out: 0.450 ± 0.005 χ^2/NDF : 264.4/9

Right Out: -0.240 ± 0.009 χ^2/NDF : 984.5/19

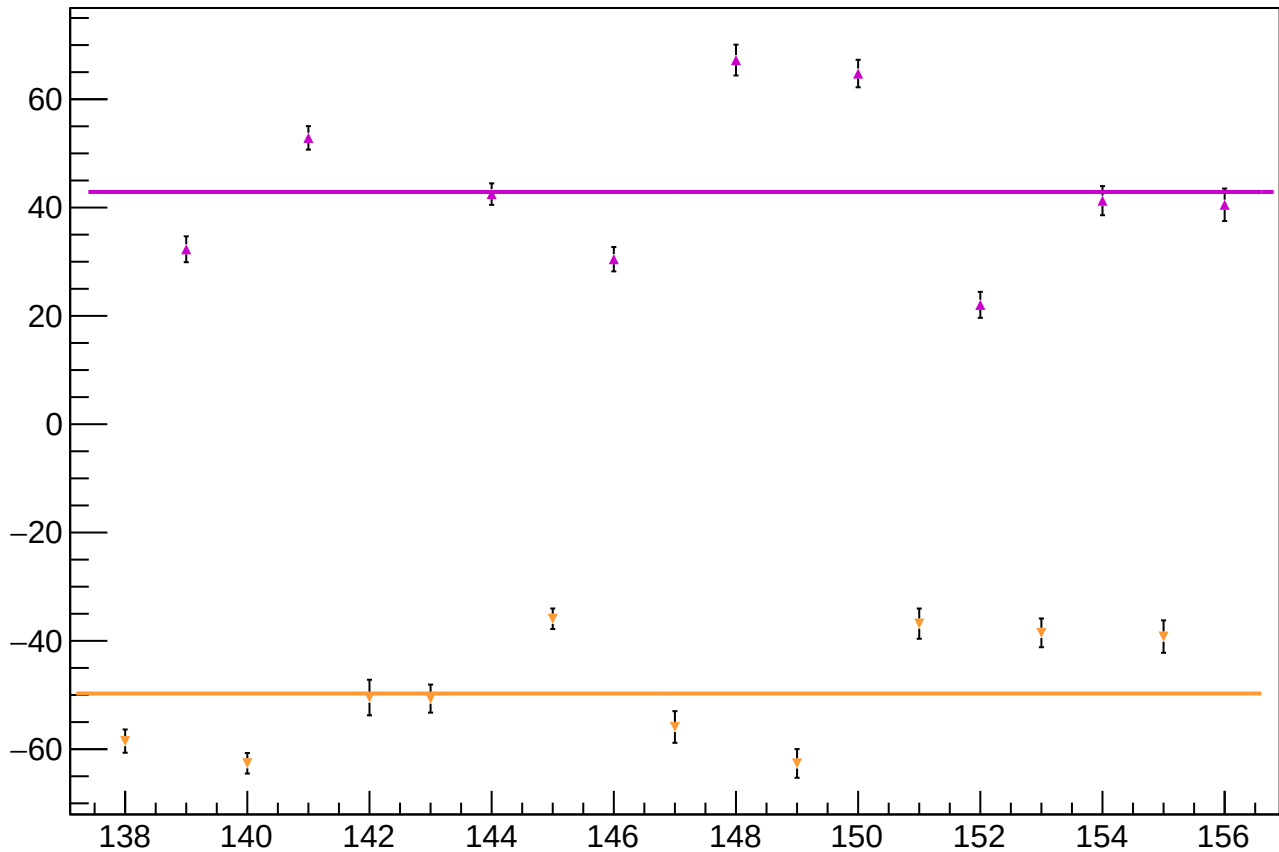
Left In: -0.468 ± 0.005 χ^2/NDF : 285.6/8

0.412 ± 0.004 χ^2/NDF : 1146.6/26

-0.004 ± 0.003 χ^2/NDF : 22433.1/55

-0.413 ± 0.004 χ^2/NDF : 1814.6/28

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -49.722 $\pm$ 0.777 χ^2 /NDF:195.8/9

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

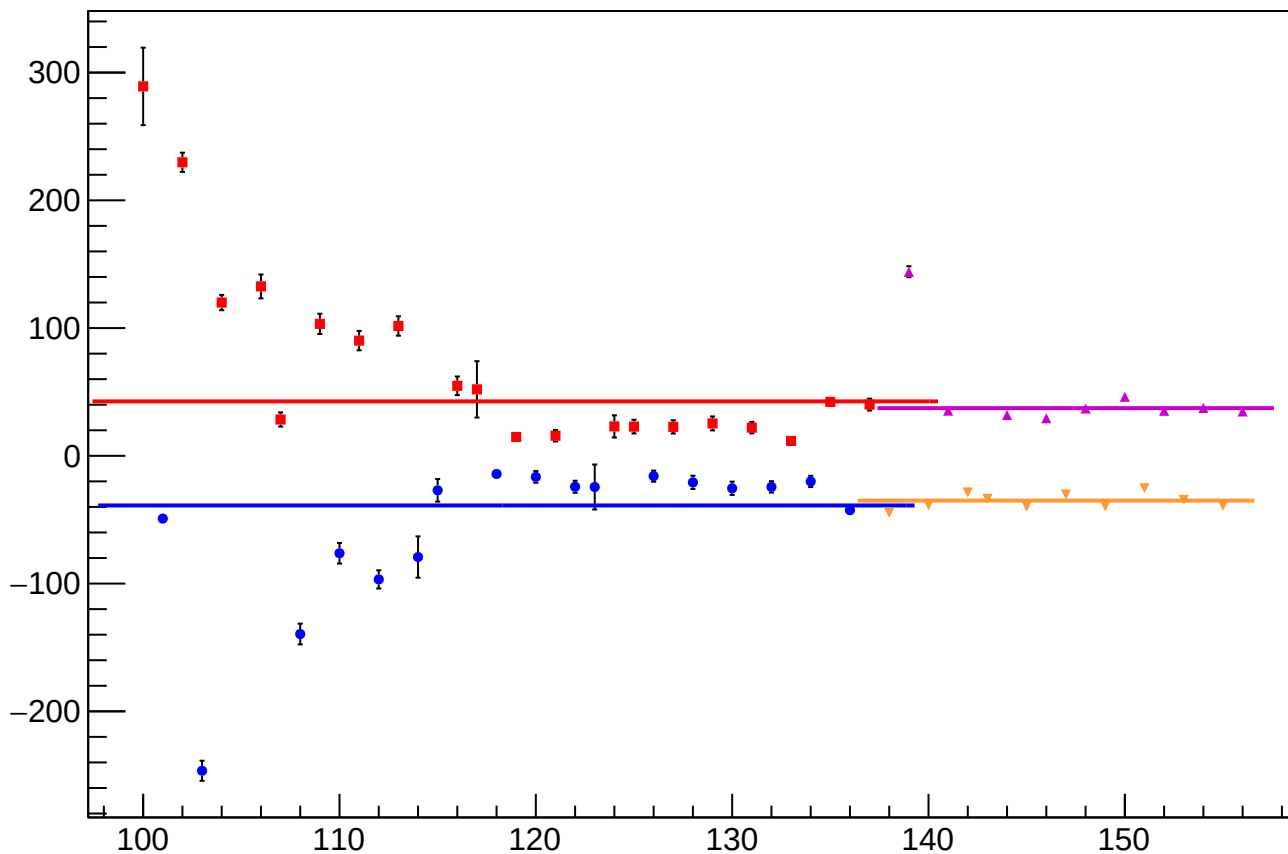
Left In: 42.877 $\pm$ 0.806 χ^2 /NDF:295.2/8

-49.722 $\pm$ 0.777 χ^2 /NDF: 195.8/9

-5.103 $\pm$ 0.559 χ^2 /NDF: 7337.1/18

42.877 $\pm$ 0.806 χ^2 /NDF: 295.2/8

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -38.844 ± 1.148 χ^2/NDF : 1121.9/16

Left Out: -35.066 ± 0.544 χ^2/NDF : 103.3/9

Right Out: 42.614 ± 1.208 χ^2/NDF : 1345.9/19

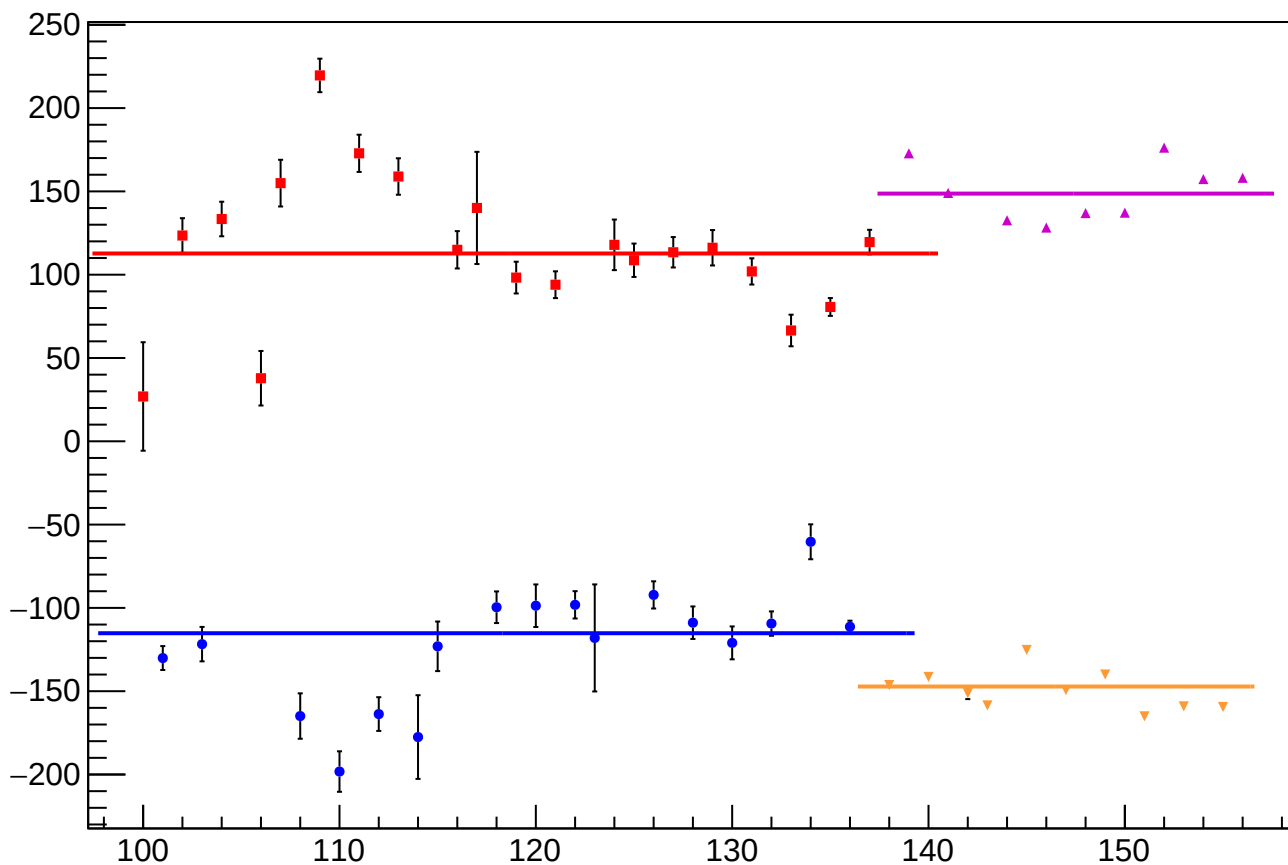
Left In: 37.308 ± 0.560 χ^2/NDF : 700.2/8

-35.758 ± 0.492 χ^2/NDF : 1234.0/26

0.047 ± 0.353 χ^2/NDF : 14261.0/55

38.245 ± 0.508 χ^2/NDF : 2061.9/28

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -115.199 $\pm$ 2.081 χ^2/NDF : 140.8/16

Left Out: -147.195 $\pm$ 0.786 χ^2/NDF : 241.4/9

Right Out: 112.729 $\pm$ 2.205 χ^2/NDF : 273.1/19

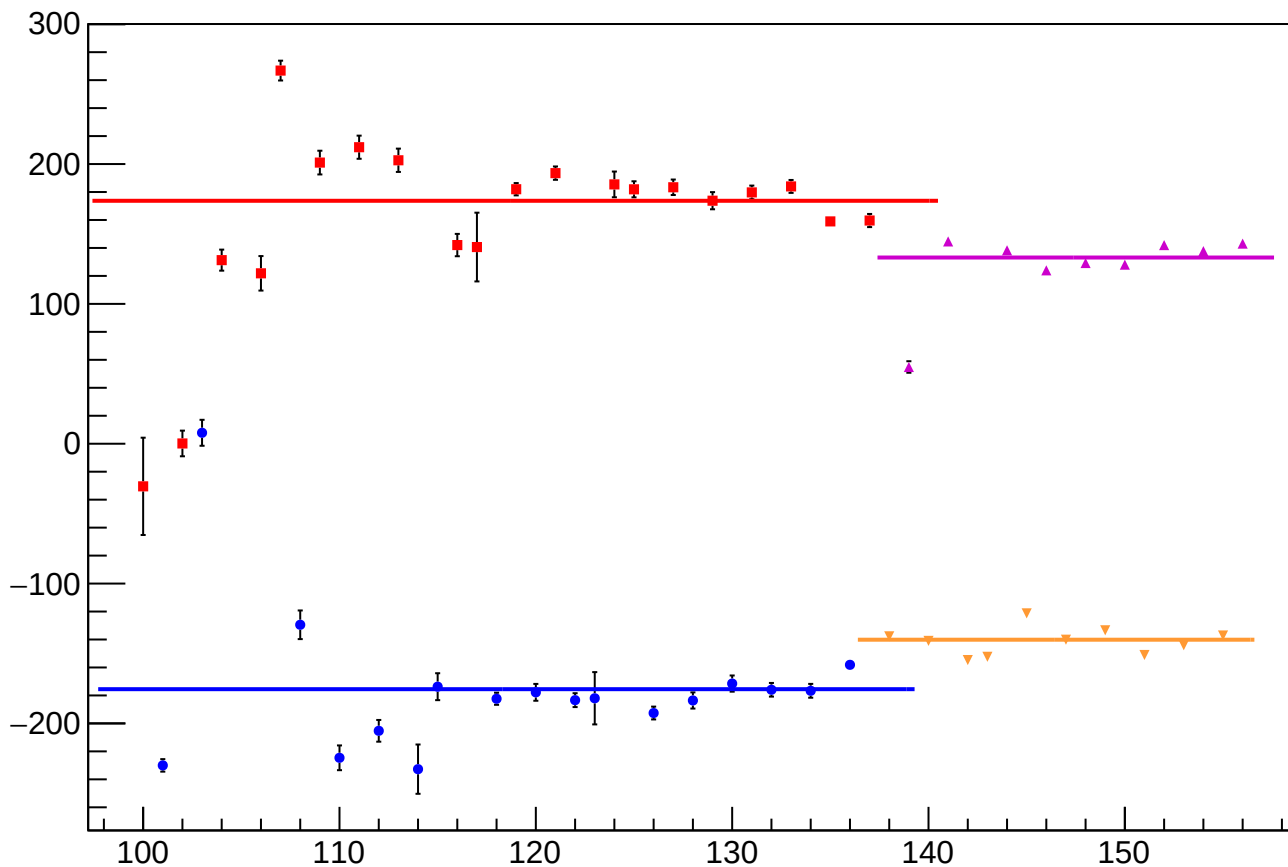
Left In: 148.665 $\pm$ 0.798 χ^2/NDF : 444.2/8

-143.200 $\pm$ 0.735 χ^2/NDF : 589.0/26

-2.213 $\pm$ 0.525 χ^2/NDF : 76536.6/55

144.503 $\pm$ 0.750 χ^2/NDF : 952.2/28

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -175.521 $\pm$ 1.277 χ^2 /NDF: 692.3/16

Left Out: -140.147 $\pm$ 0.661 χ^2 /NDF:224.0/9

Right Out: 173.729 $\pm$ 1.354 χ^2 /NDF: 739.7/19

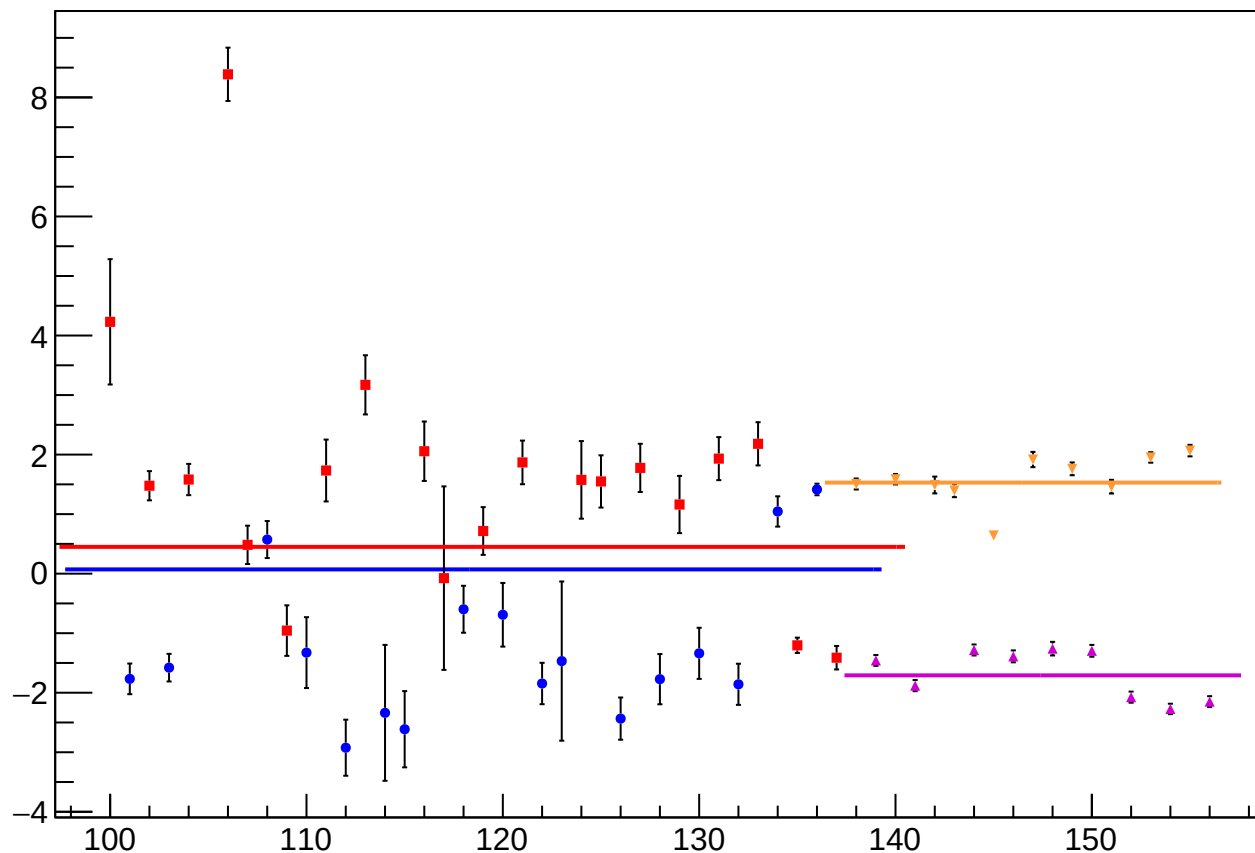
Left In: 133.154 $\pm$ 0.678 χ^2 /NDF:487.3/8

-147.617 $\pm$ 0.587 χ^2 /NDF: 1521.5/26

-7.828 $\pm$ 0.422 χ^2 /NDF: 120719.6/55

141.279 $\pm$ 0.606 χ^2 /NDF: 1944.7/28

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.072+/-0.067 χ^2/NDF : 525.2/16

Left Out: 1.530+/-0.032 χ^2/NDF : 196.0/9

Right Out: 0.450+/-0.071 χ^2/NDF : 751.4/19

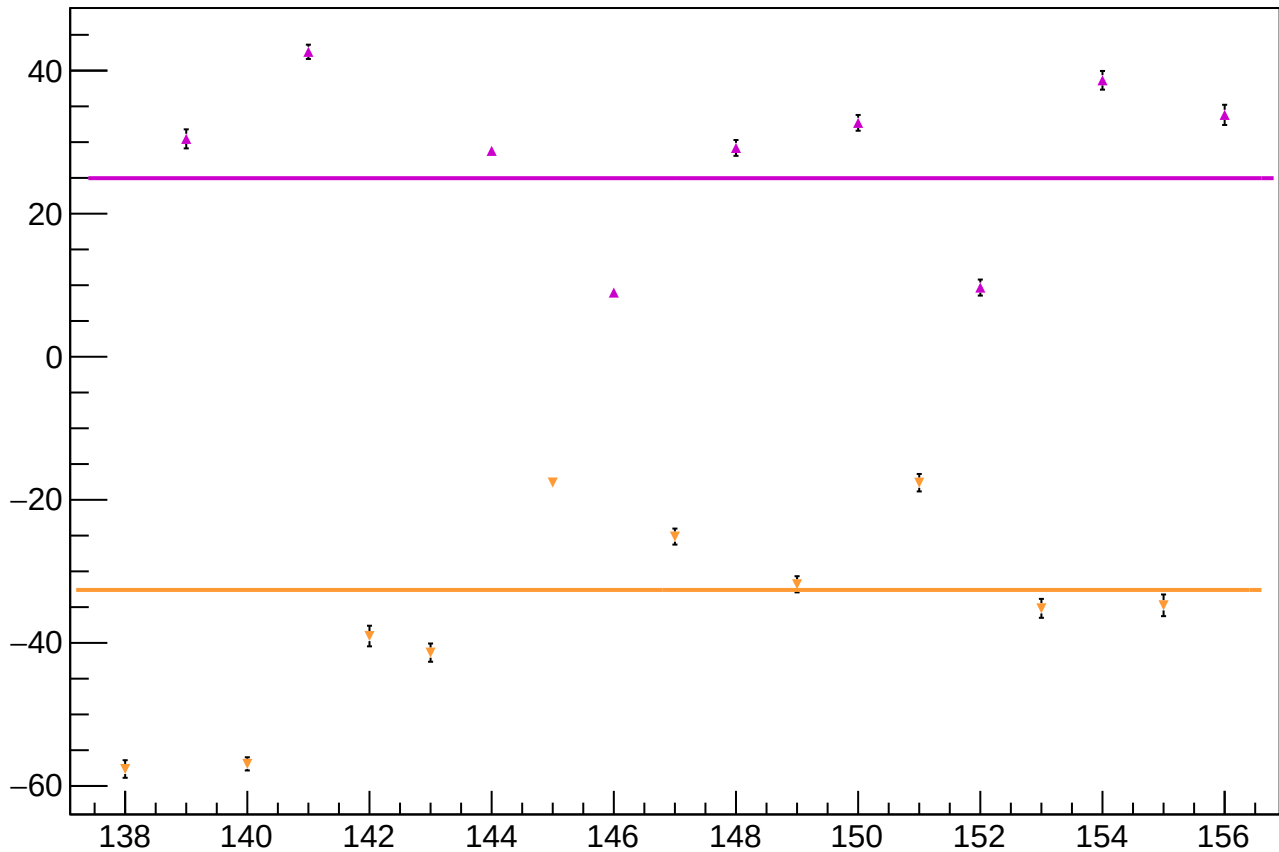
Left In: -1.708+/-0.032 χ^2/NDF : 155.1/8

1.264+/-0.029 χ^2/NDF : 1107.0/26

-0.029+/-0.020 χ^2/NDF : 6903.2/55

-1.352+/-0.029 χ^2/NDF : 1672.6/28

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -32.597+/-0.337 χ^2/NDF : 1969.0/9

-32.597+/-0.337 χ^2/NDF : 1969.0/9

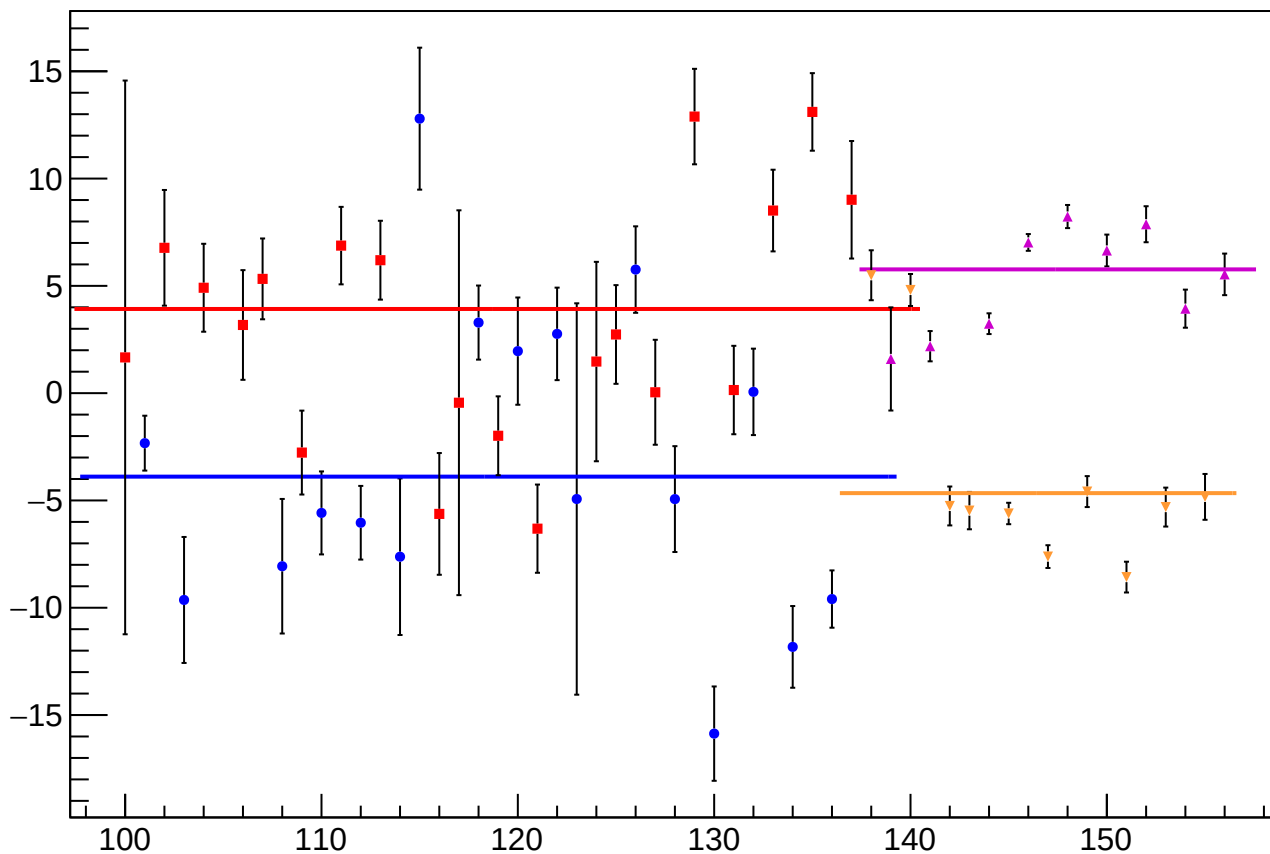
-2.435+/-0.232 χ^2/NDF : 18665.2/18

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

24.962+/-0.321 χ^2/NDF : 1387.5/8

Left In: 24.962+/-0.321 χ^2/NDF : 1387.5/8

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.890 ± 0.498 χ^2/NDF : 160.5/16

Left Out: -4.659 ± 0.232 χ^2/NDF : 303.7/9

Right Out: 3.923 ± 0.506 χ^2/NDF : 122.4/19

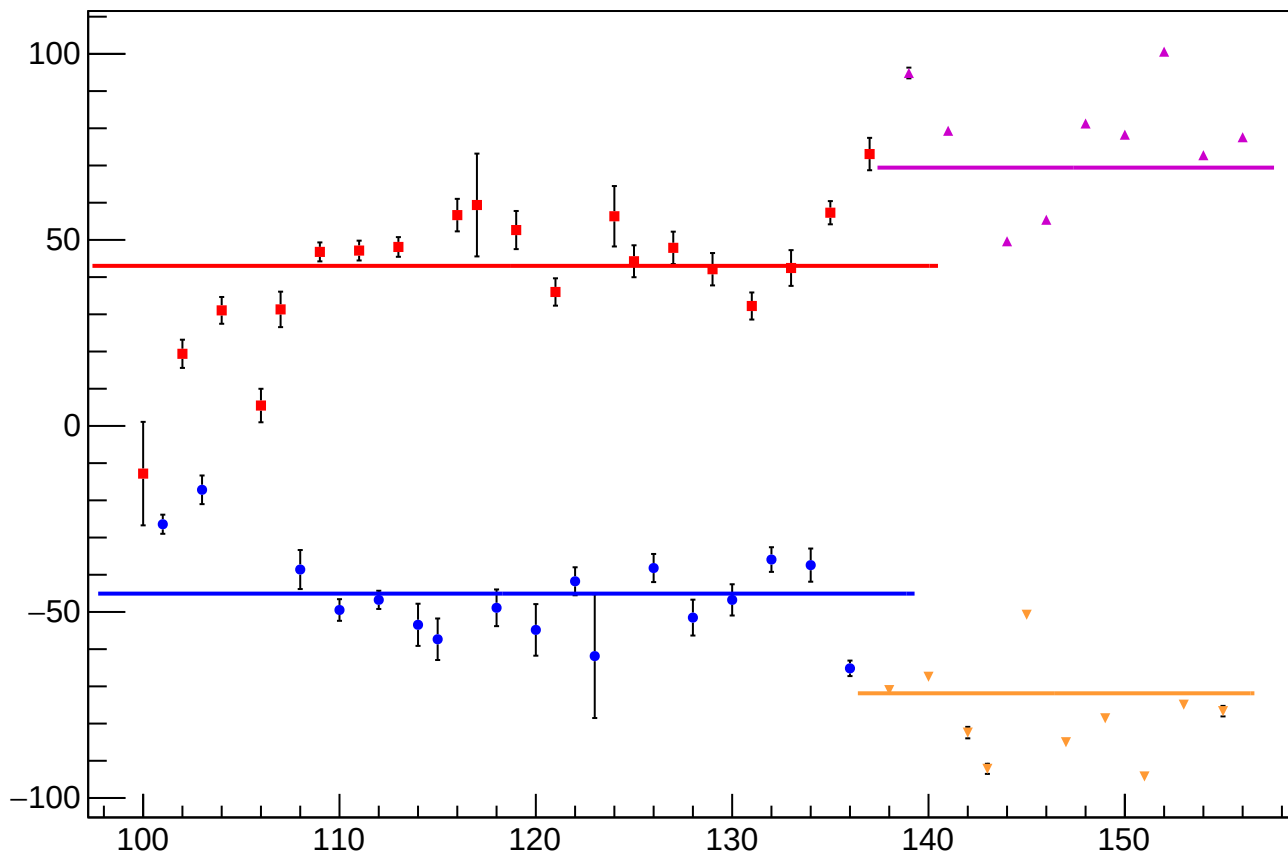
Left In: 5.768 ± 0.213 χ^2/NDF : 99.4/8

-4.522 ± 0.210 χ^2/NDF : 466.1/26

0.825 ± 0.143 χ^2/NDF : 1910.6/55

5.490 ± 0.196 χ^2/NDF : 233.1/28

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -45.070 ± 0.883 χ^2/NDF : 229.7/16

Left Out: -71.862 ± 0.341 χ^2/NDF : 1909.8/9

Right Out: 43.025 ± 0.876 χ^2/NDF : 249.7/19

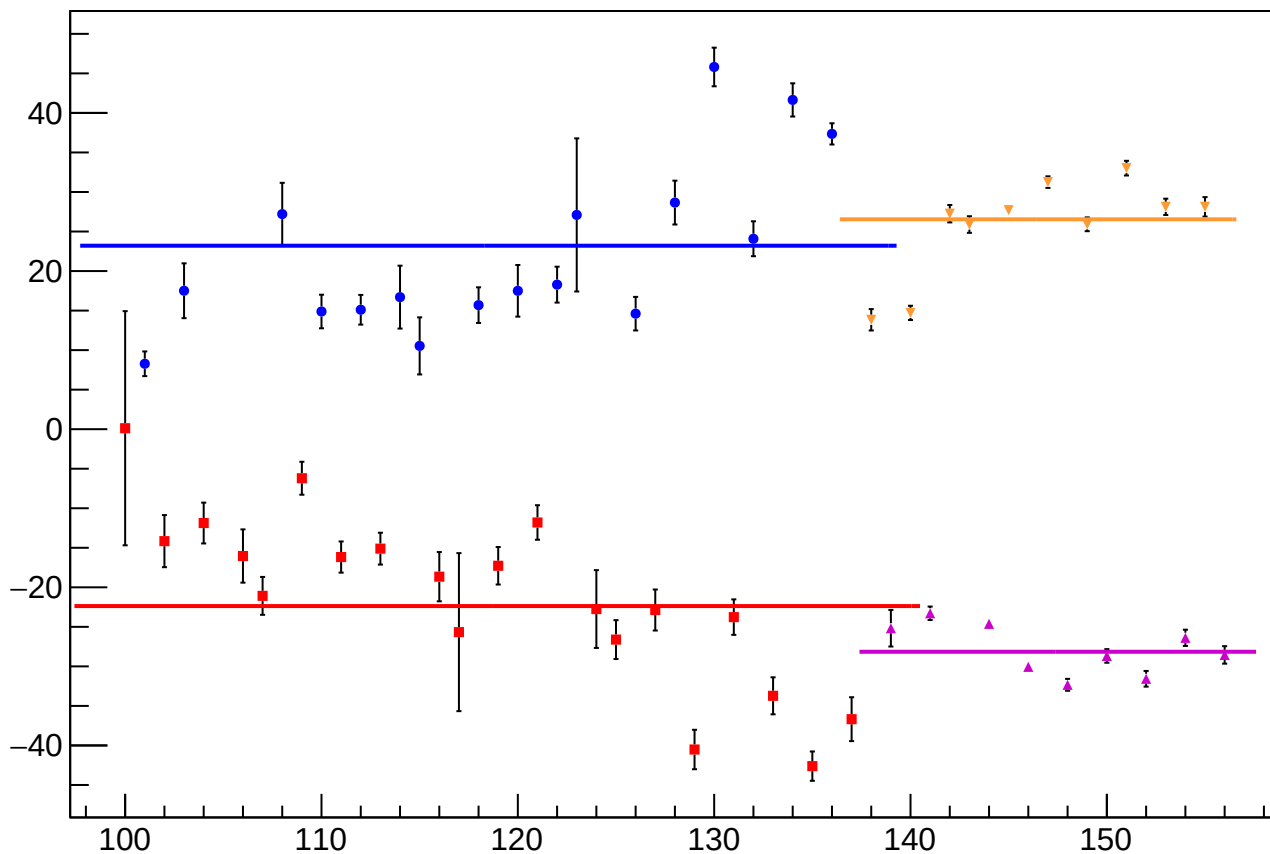
Left In: 69.427 ± 0.318 χ^2/NDF : 2755.0/8

-68.386 ± 0.318 χ^2/NDF : 2940.1/26

3.270 ± 0.218 χ^2/NDF : 102105.6/55

66.361 ± 0.299 χ^2/NDF : 3807.5/28

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.205 $\pm$ 0.559 χ^2 /NDF: 457.3/16

Left Out: 26.543 $\pm$ 0.283 χ^2 /NDF: 359.6/9

Right Out: -22.372 $\pm$ 0.572 χ^2 /NDF: 367.0/19

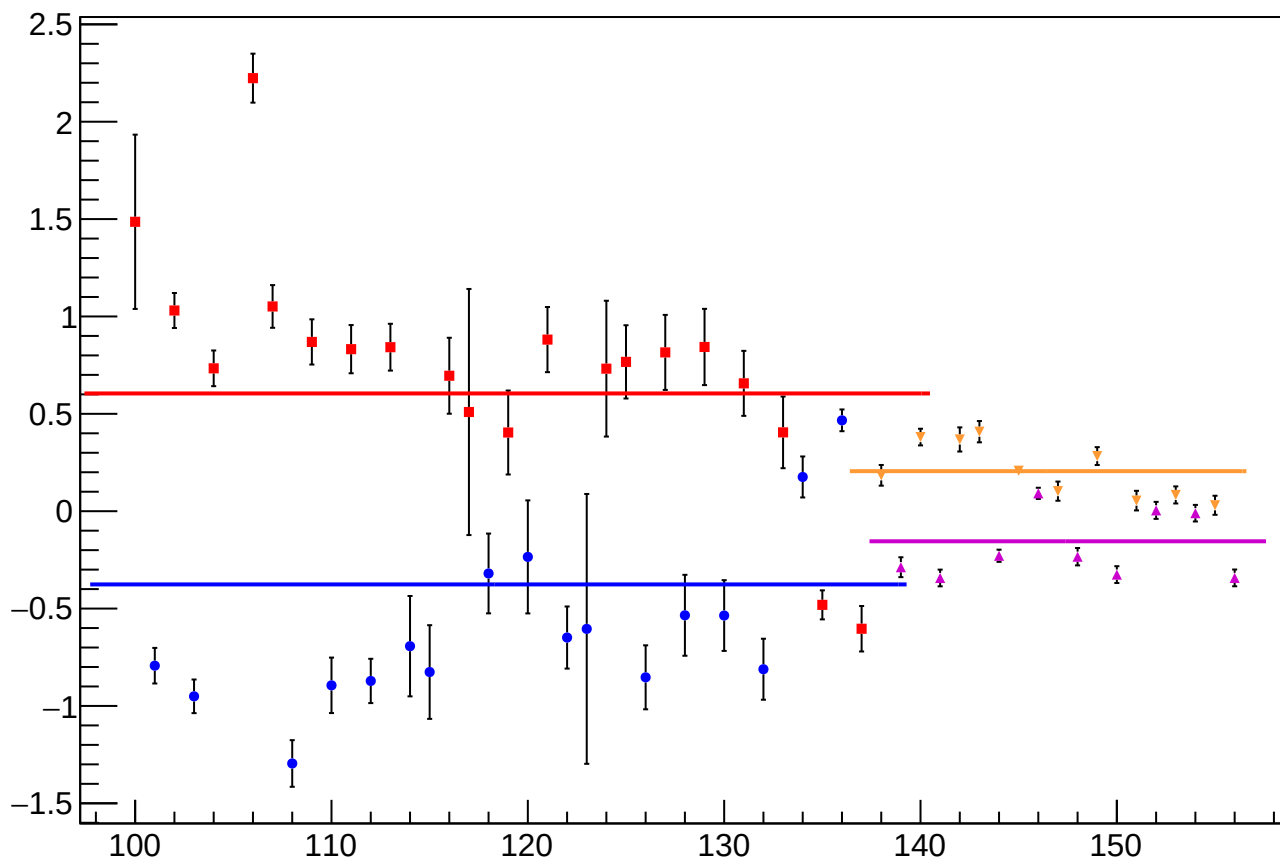
Left In: -28.151 $\pm$ 0.262 χ^2 /NDF: 133.0/8

25.860 $\pm$ 0.253 χ^2 /NDF: 845.2/26

-2.208 $\pm$ 0.173 χ^2 /NDF: 24738.0/55

-27.148 $\pm$ 0.238 χ^2 /NDF: 584.5/28

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.376 ± 0.030 $\chi^2/\text{NDF}: 437.3/16$

Left Out: 0.206 ± 0.014 $\chi^2/\text{NDF}: 74.3/9$

Right Out: 0.605 ± 0.030 $\chi^2/\text{NDF}: 551.2/19$

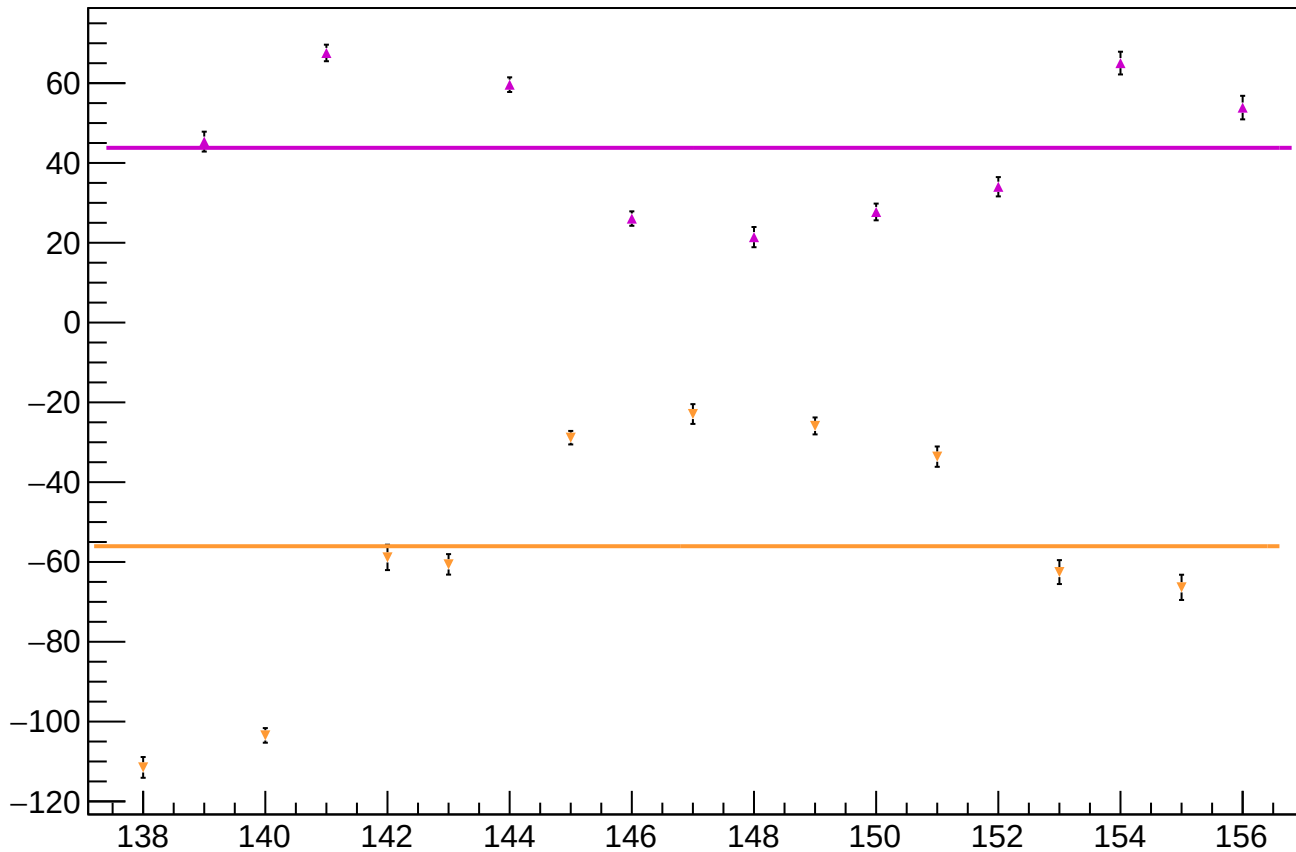
Left In: -0.154 ± 0.013 $\chi^2/\text{NDF}: 168.1/8$

0.104 ± 0.013 $\chi^2/\text{NDF}: 819.3/26$

0.032 ± 0.009 $\chi^2/\text{NDF}: 2133.6/55$

-0.034 ± 0.012 $\chi^2/\text{NDF}: 1251.2/28$

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -56.053+/-0.747 χ^2/NDF :1857.0/9

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

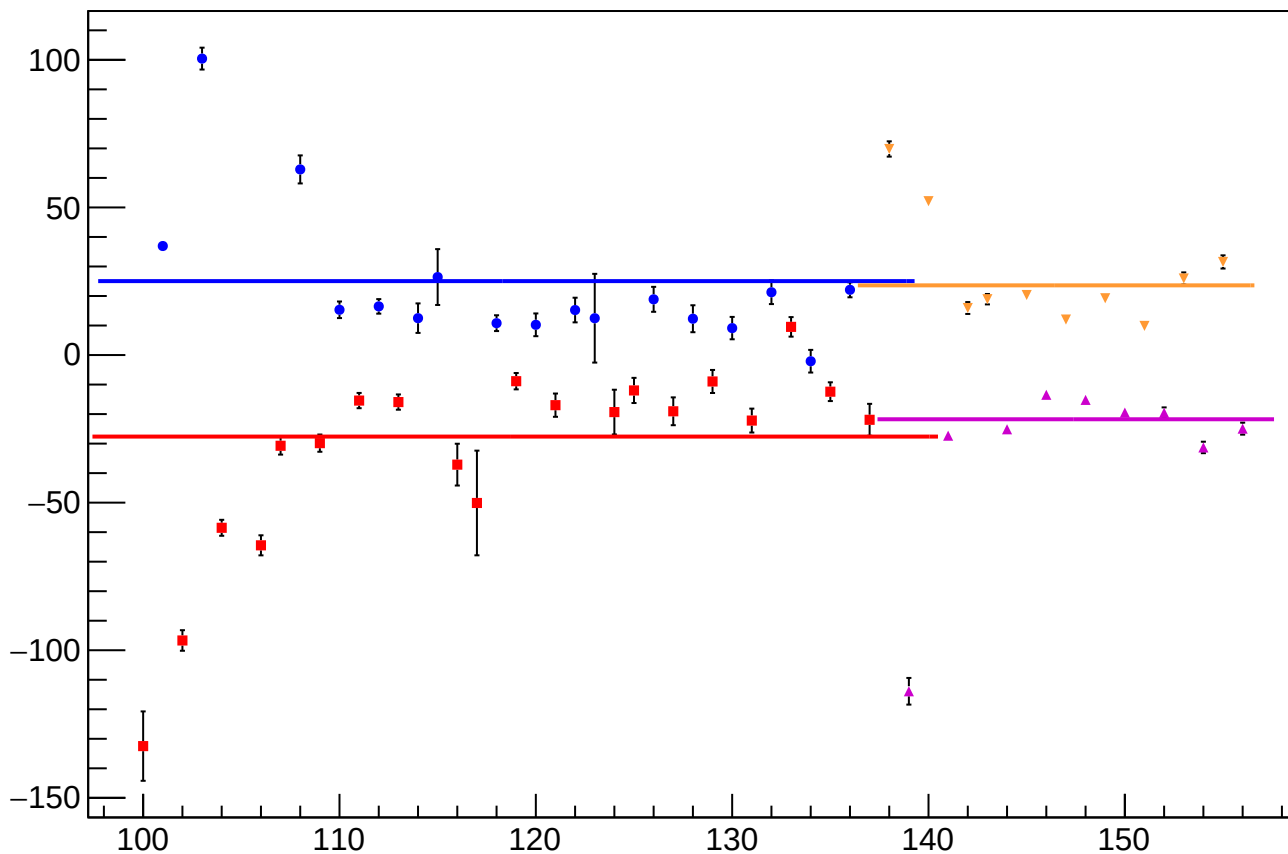
Left In: 43.791+/-0.748 χ^2/NDF :522.2/8

-56.053+/-0.747 χ^2/NDF : 1857.0/9

-6.226+/-0.528 χ^2/NDF : 11303.4/18

43.791+/-0.748 χ^2/NDF : 522.2/8

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 25.045 $\pm$ 0.806 χ^2 /NDF: 686.4/16

Left Out: 23.608 $\pm$ 0.513 χ^2 /NDF: 908.6/9

Right Out: -27.620 $\pm$ 0.809 χ^2 /NDF: 1014.4/19

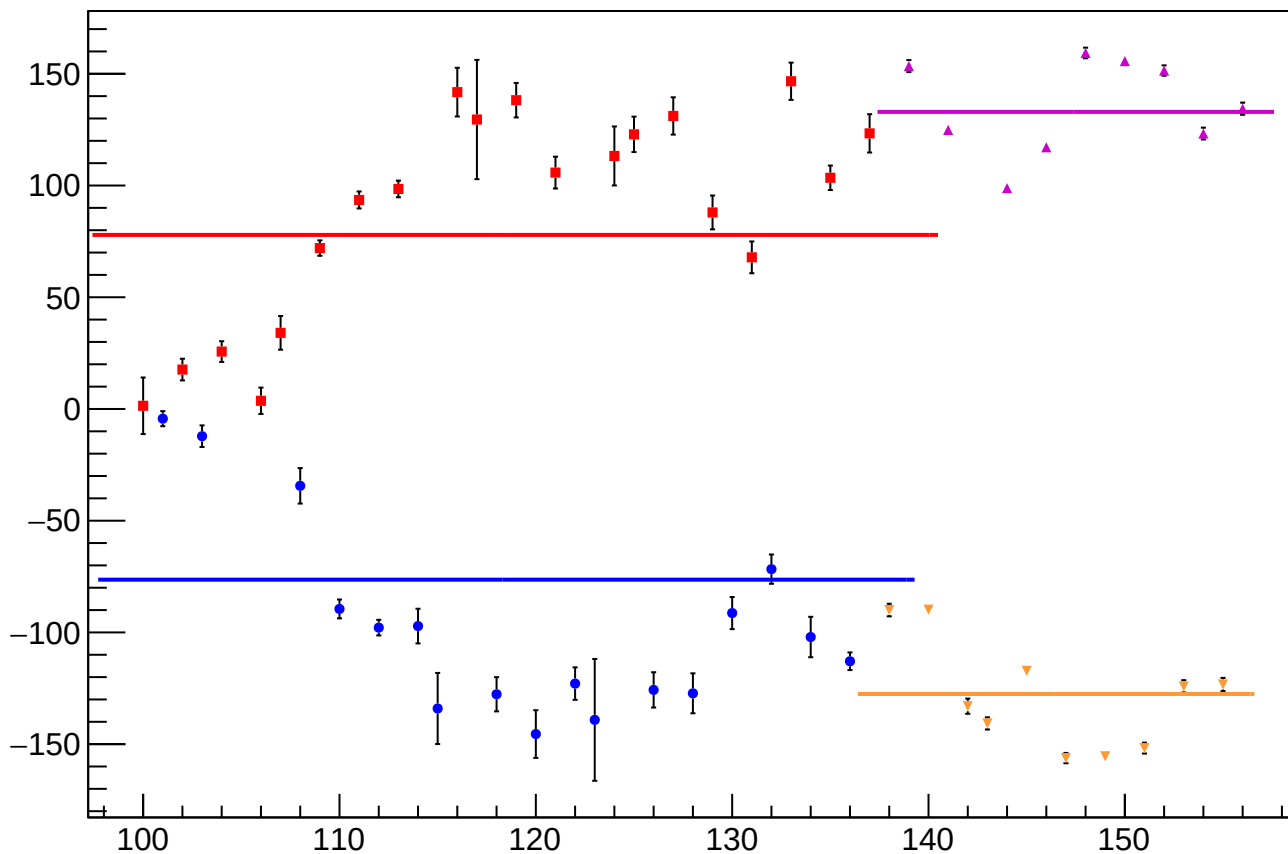
Left In: -21.757 $\pm$ 0.513 χ^2 /NDF: 547.4/8

24.023 $\pm$ 0.433 χ^2 /NDF: 1597.3/26

0.321 $\pm$ 0.306 χ^2 /NDF: 9197.0/55

-23.440 $\pm$ 0.434 χ^2 /NDF: 1599.2/28

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.392 ± 1.416 χ^2/NDF : 1031.9/16

Left Out: -127.537 ± 0.751 χ^2/NDF : 1063.4/9

Right Out: 77.894 ± 1.351 χ^2/NDF : 876.4/19

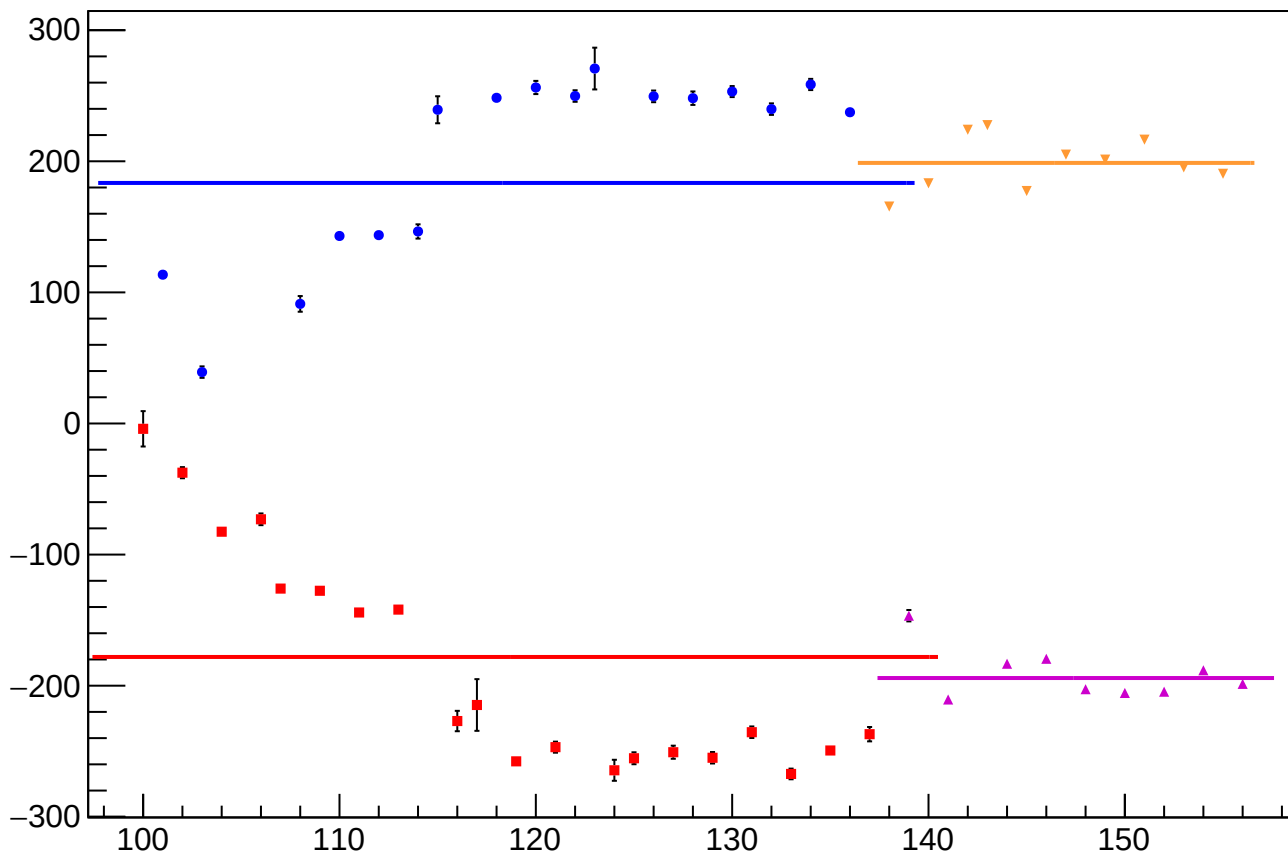
Left In: 132.953 ± 0.739 χ^2/NDF : 789.5/8

-116.307 ± 0.664 χ^2/NDF : 3113.2/26

4.773 ± 0.464 χ^2/NDF : 71105.3/55

120.281 ± 0.648 χ^2/NDF : 2944.4/28

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 183.478 ± 0.919 $\chi^2/\text{NDF}: 5331.4/16$

Left Out: 198.765 ± 0.627 $\chi^2/\text{NDF}: 784.0/9$

Right Out: -178.092 ± 0.923 $\chi^2/\text{NDF}: 6349.2/19$

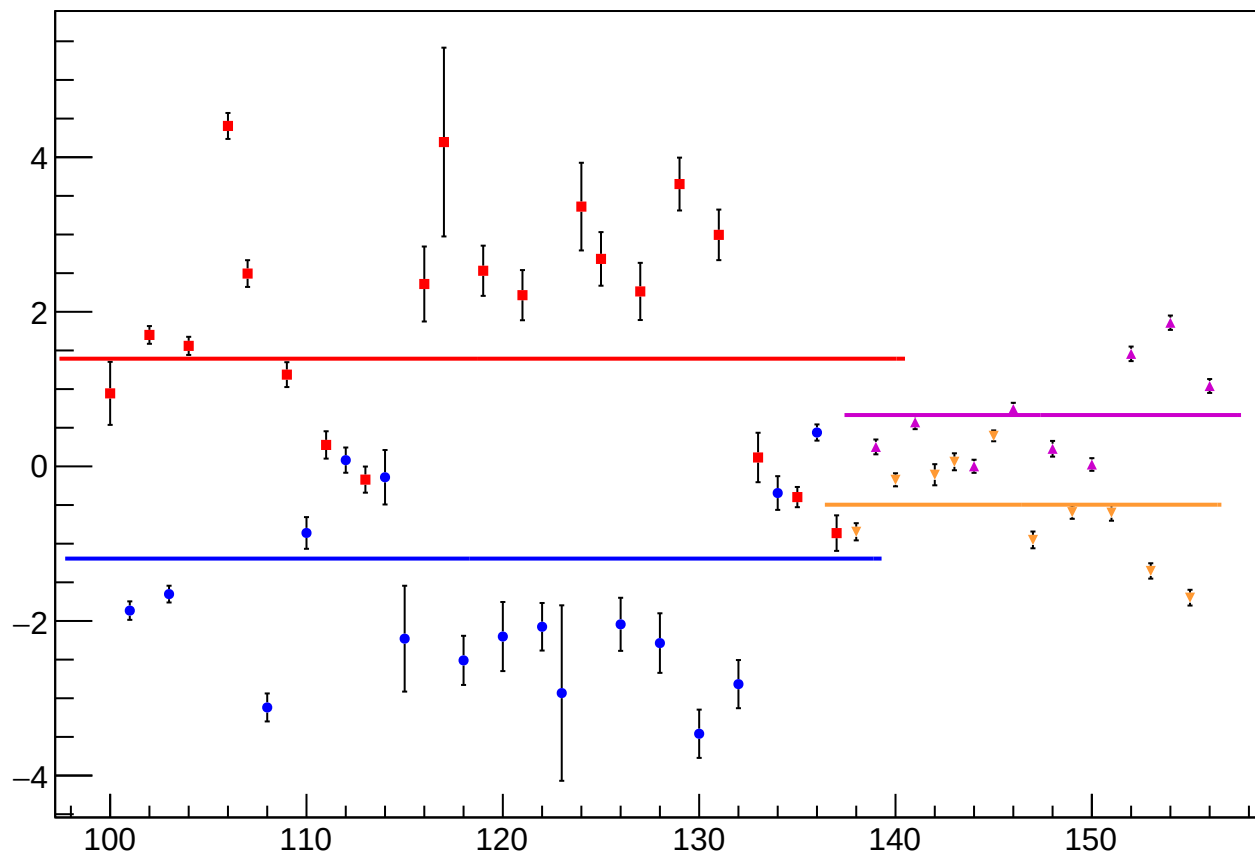
Left In: -194.159 ± 0.623 $\chi^2/\text{NDF}: 465.2/8$

193.909 ± 0.518 $\chi^2/\text{NDF}: 6304.4/26$

1.868 ± 0.366 $\chi^2/\text{NDF}: 287739.2/55$

-189.130 ± 0.516 $\chi^2/\text{NDF}: 7022.6/28$

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.496 ± 0.031 χ^2/NDF : 451.9/9

Right Out: 1.393 ± 0.046 χ^2/NDF : 925.8/19

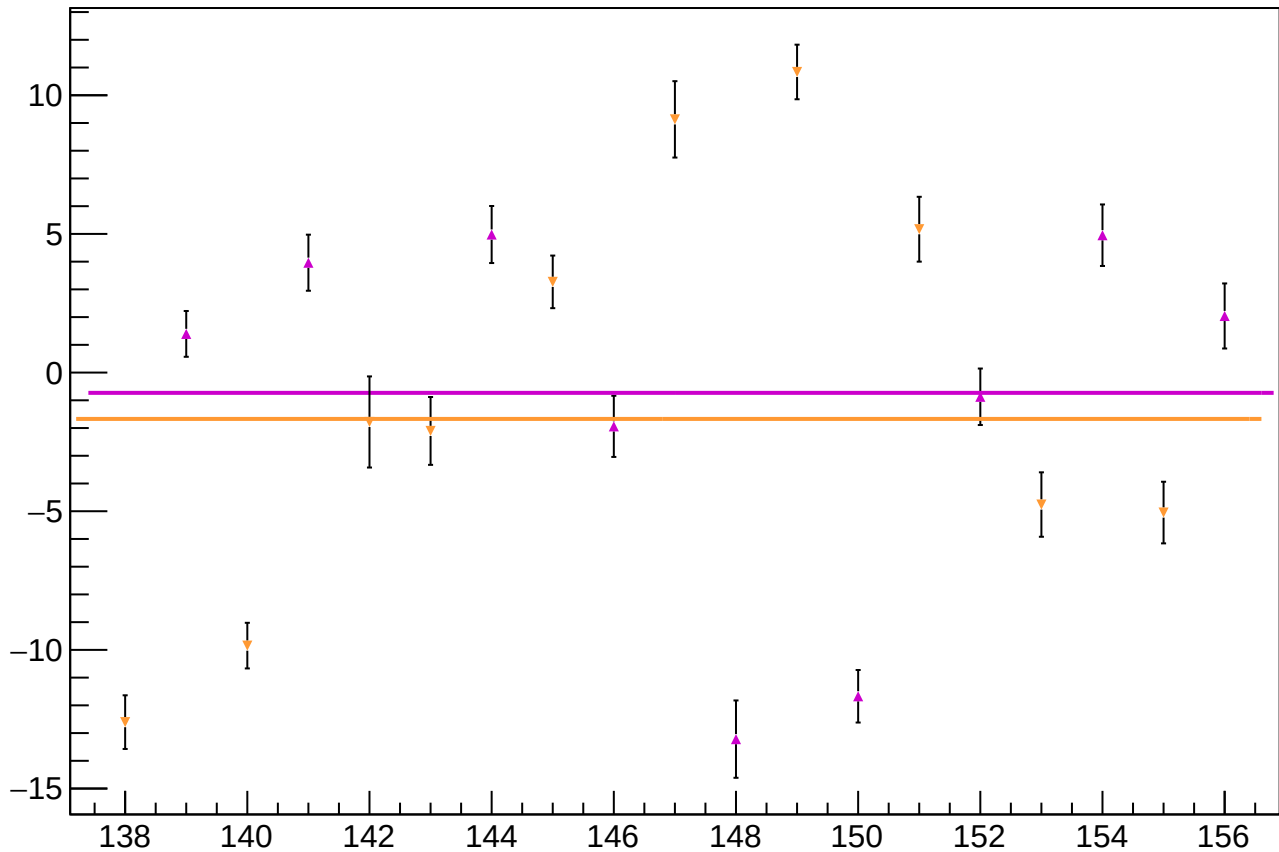
Left In: 0.664 ± 0.030 χ^2/NDF : 414.3/8

-0.696 ± 0.026 χ^2/NDF : 1222.8/26

0.118 ± 0.018 χ^2/NDF : 4667.1/55

0.882 ± 0.025 χ^2/NDF : 1518.0/28

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -1.671+/-0.342 χ^2/NDF : 527.3/9

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

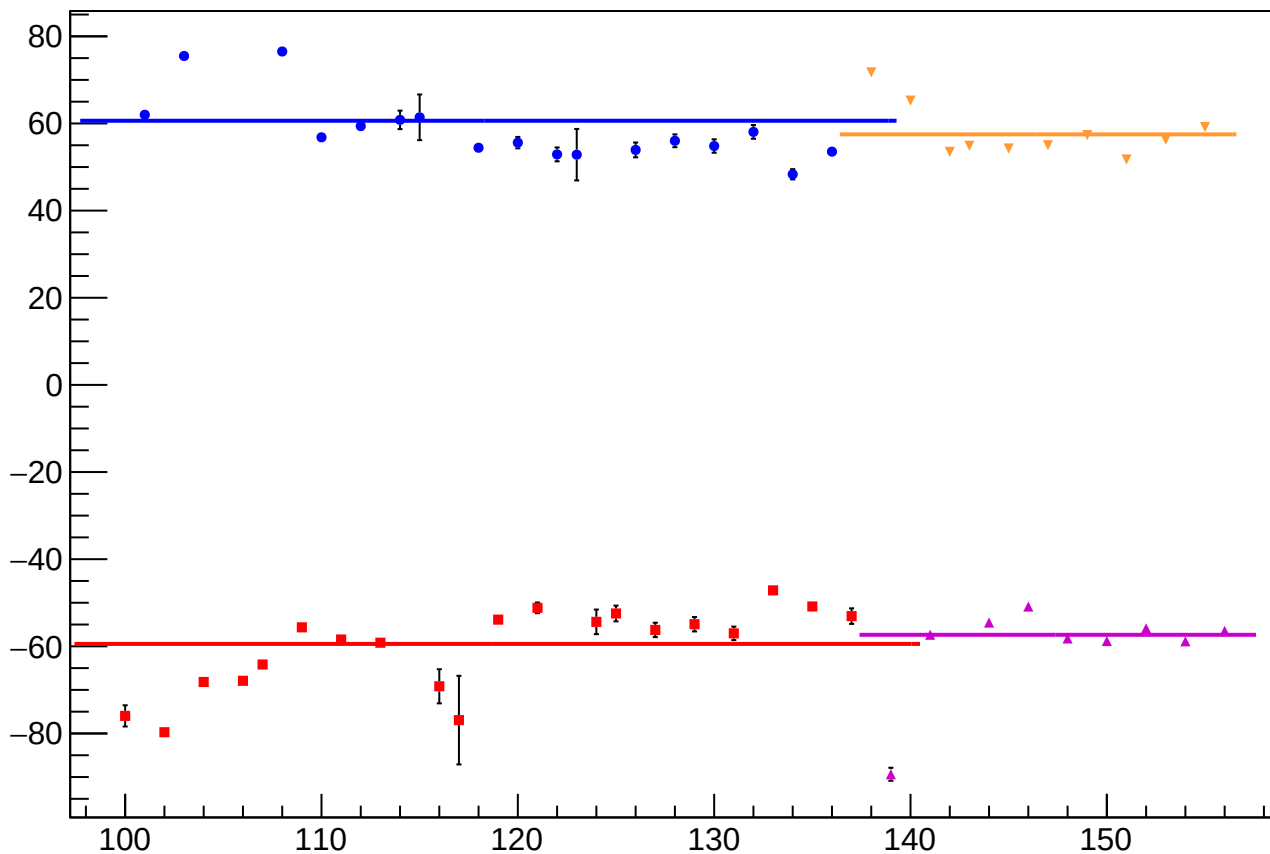
Left In: -0.731+/-0.346 χ^2/NDF : 305.6/8

-1.671+/-0.342 χ^2/NDF : 527.3/9

-1.207+/-0.243 χ^2/NDF : 836.6/18

-0.731+/-0.346 χ^2/NDF : 305.6/8

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 60.625+/-0.263 χ^2 /NDF: 924.6/16

Left Out: 57.503+/-0.243 χ^2 /NDF: 443.7/9

Right Out: -59.448+/-0.248 χ^2 /NDF: 1326.3/19

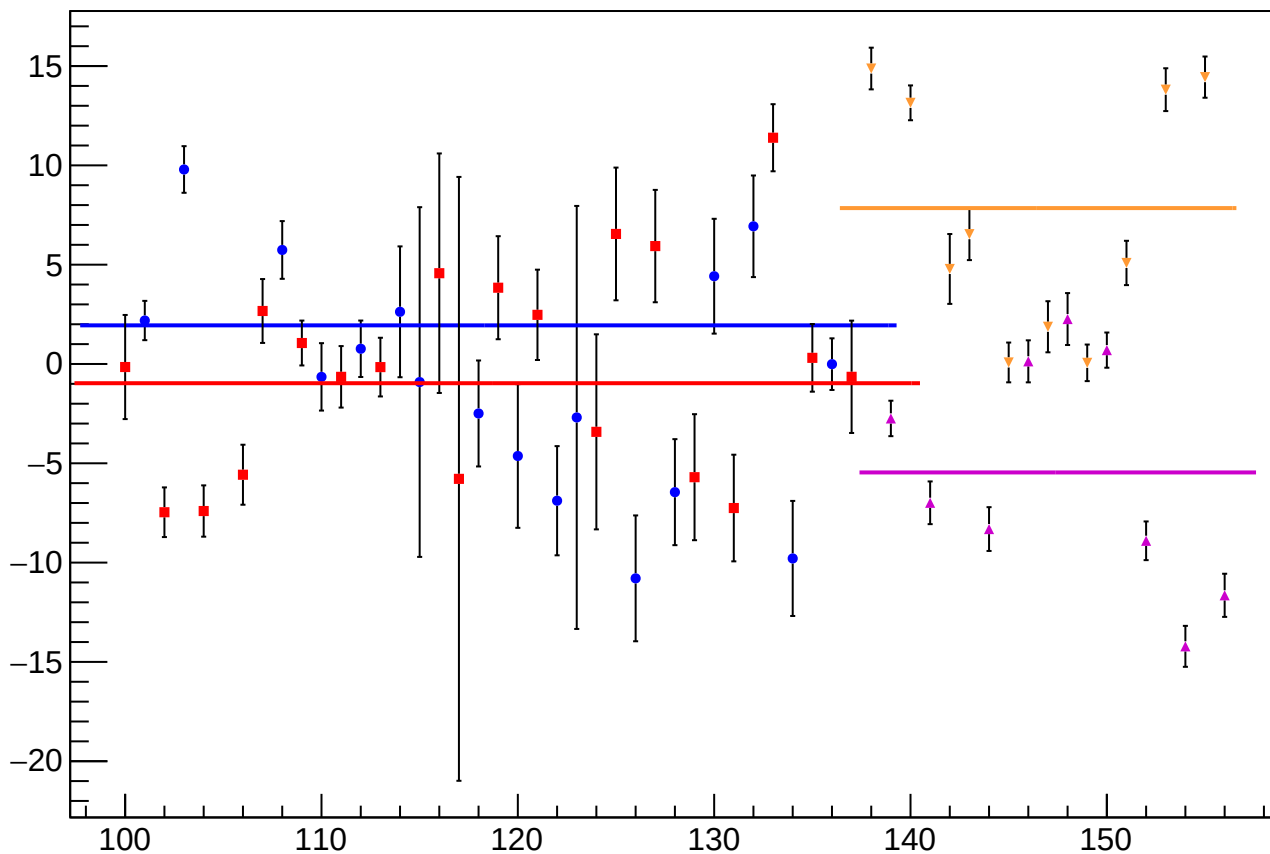
Left In: -57.358+/-0.253 χ^2 /NDF: 570.1/8

58.943+/-0.179 χ^2 /NDF: 1444.2/26

-0.269+/-0.126 χ^2 /NDF: 221112.2/55

-58.426+/-0.177 χ^2 /NDF: 1931.2/28

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.945 ± 0.459 χ^2/NDF : 120.6/16

Left Out: 7.849 ± 0.343 χ^2/NDF : 315.9/9

Right Out: -0.968 ± 0.424 χ^2/NDF : 149.6/19

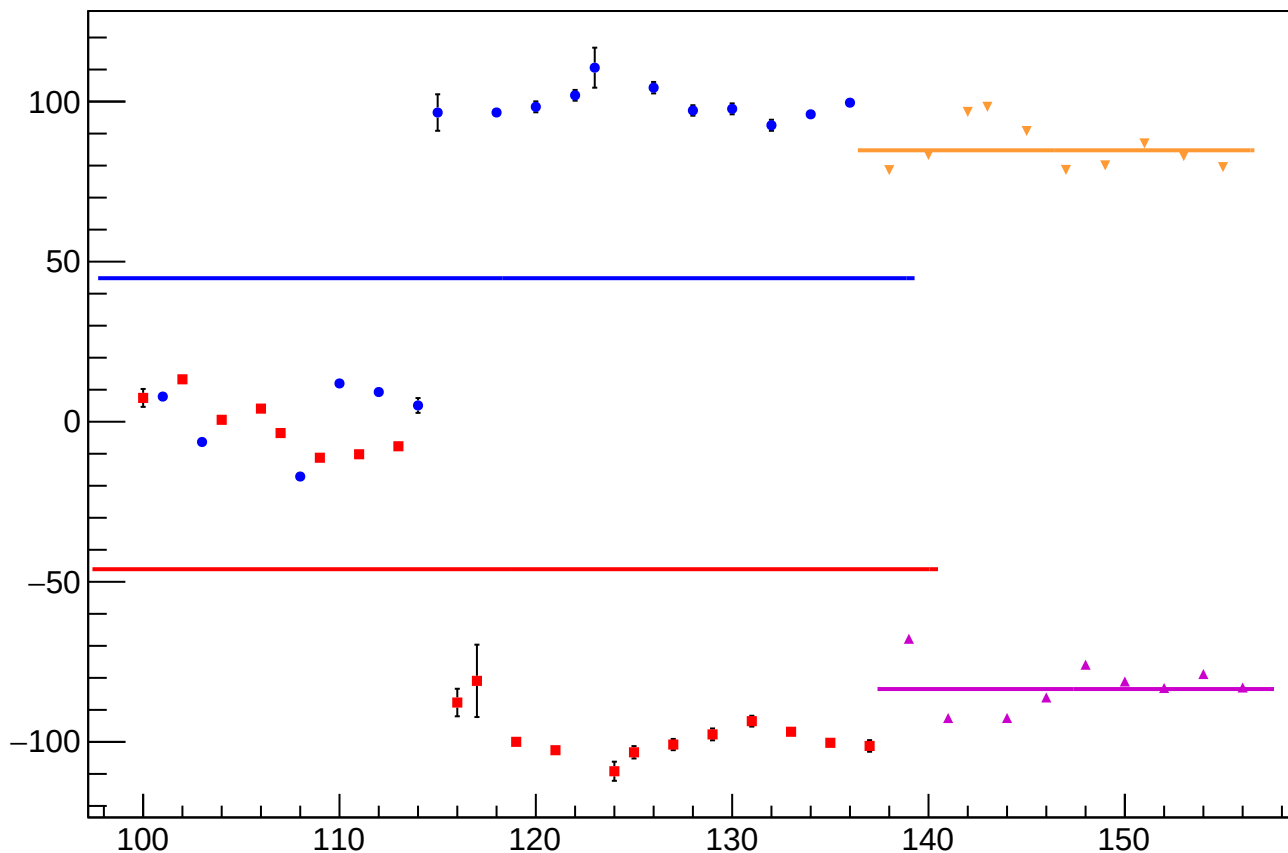
Left In: -5.460 ± 0.342 χ^2/NDF : 246.1/8

5.731 ± 0.275 χ^2/NDF : 542.7/26

0.874 ± 0.191 χ^2/NDF : 1612.3/55

-3.689 ± 0.266 χ^2/NDF : 463.7/28

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 44.829+/-0.305 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

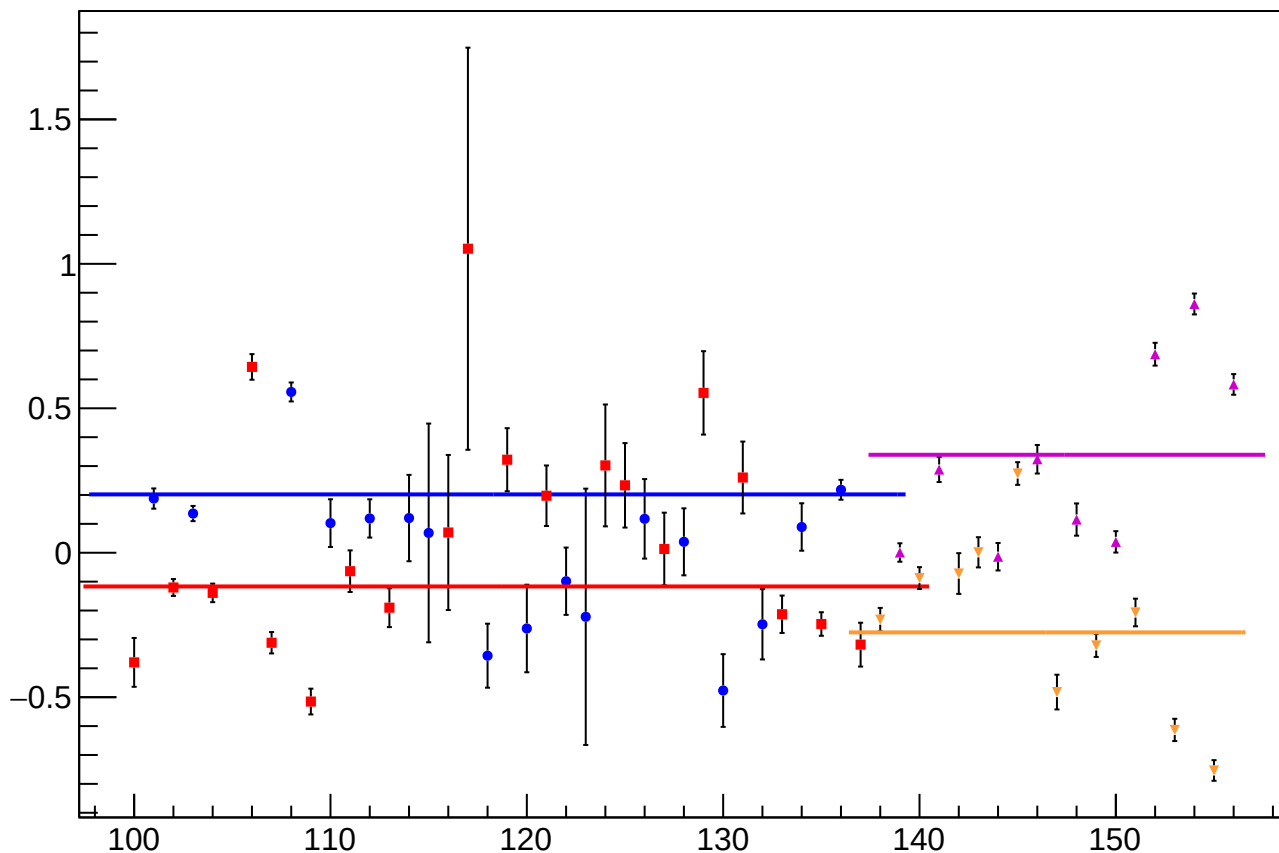
Left In: -83.492+/-0.301 χ^2/NDF : 444.6/8

65.559+/-0.211 χ^2/NDF : 34156.7/26

-0.022+/-0.148 χ^2/NDF : 261238.7/55

-64.019+/-0.209 χ^2/NDF : 36743.4/28

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.202+/-0.014 χ^2/NDF : 216.0/16

Left Out: -0.276+/-0.014 χ^2/NDF : 529.4/9

Right Out: -0.117+/-0.013 χ^2/NDF : 502.5/19

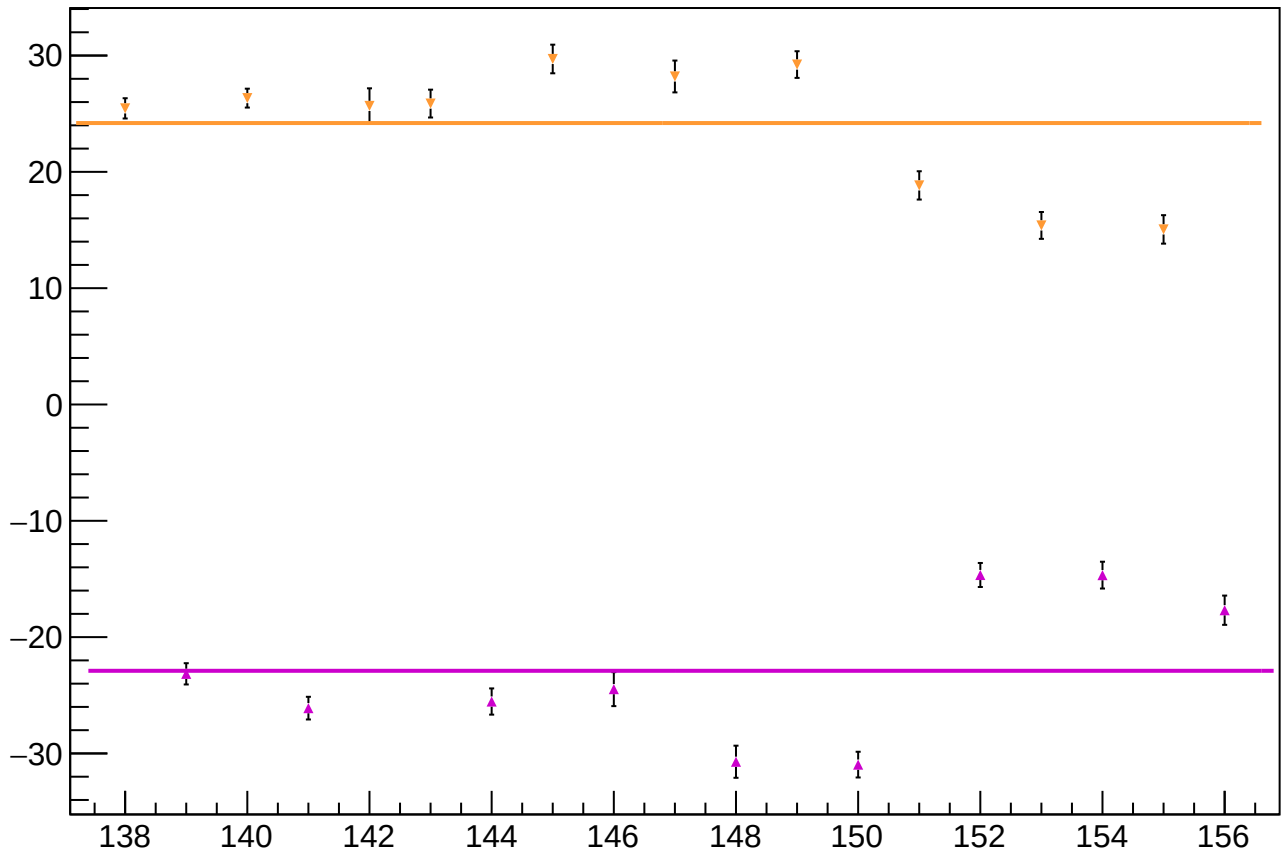
Left In: 0.339+/-0.013 χ^2/NDF : 584.6/8

-0.043+/-0.010 χ^2/NDF : 1336.8/26

0.035+/-0.007 χ^2/NDF : 3140.7/55

0.106+/-0.009 χ^2/NDF : 1684.0/28

reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 24.197 $\pm$ 0.353 χ^2 /NDF:193.1/9

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

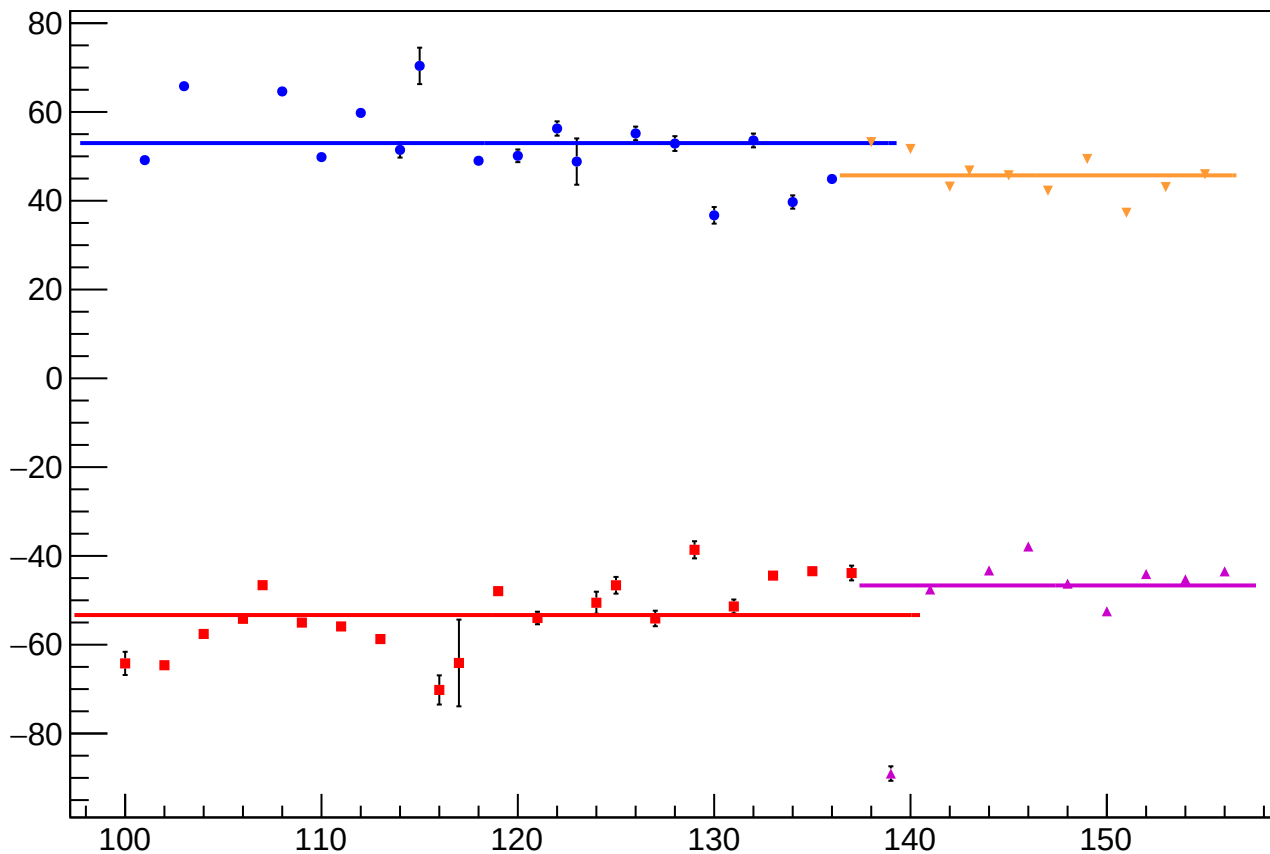
Left In: -22.895 $\pm$ 0.373 χ^2 /NDF:234.5/8

24.197 $\pm$ 0.353 χ^2 /NDF: 193.1/9

1.965 $\pm$ 0.257 χ^2 /NDF: 8820.1/18

-22.895 $\pm$ 0.373 χ^2 /NDF: 234.5/8

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 52.989 ± 0.211 χ^2/NDF : 1198.0/16

Left Out: 45.720 ± 0.250 χ^2/NDF : 356.2/9

Right Out: -53.320 ± 0.227 χ^2/NDF : 876.8/19

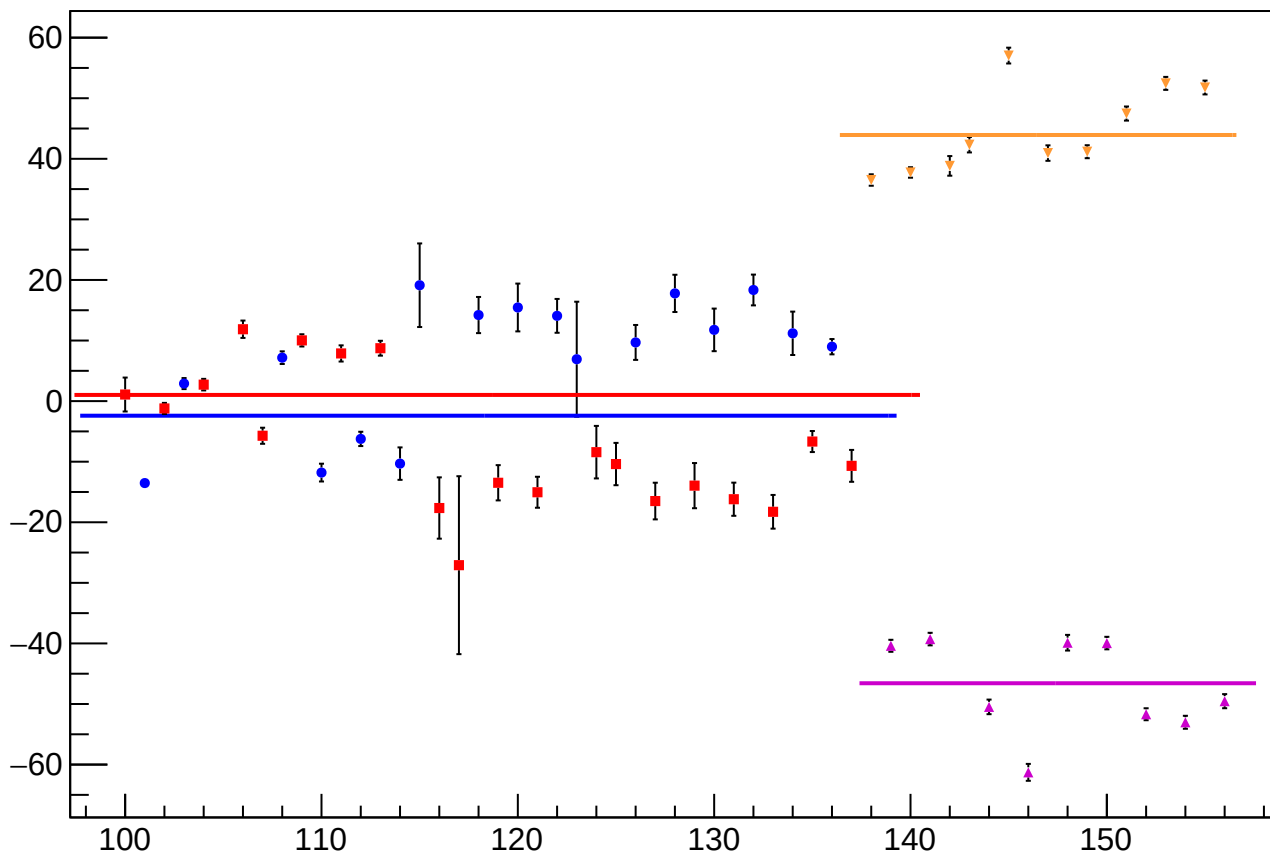
Left In: -46.652 ± 0.269 χ^2/NDF : 878.3/8

49.968 ± 0.161 χ^2/NDF : 2048.0/26

3.345 ± 0.118 χ^2/NDF : 184457.6/55

-50.552 ± 0.173 χ^2/NDF : 2114.4/28

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.409+/-0.364 χ^2/NDF : 834.6/16

Left Out: 43.931+/-0.356 χ^2/NDF : 357.1/9

Right Out: 1.021+/-0.377 χ^2/NDF : 511.2/19

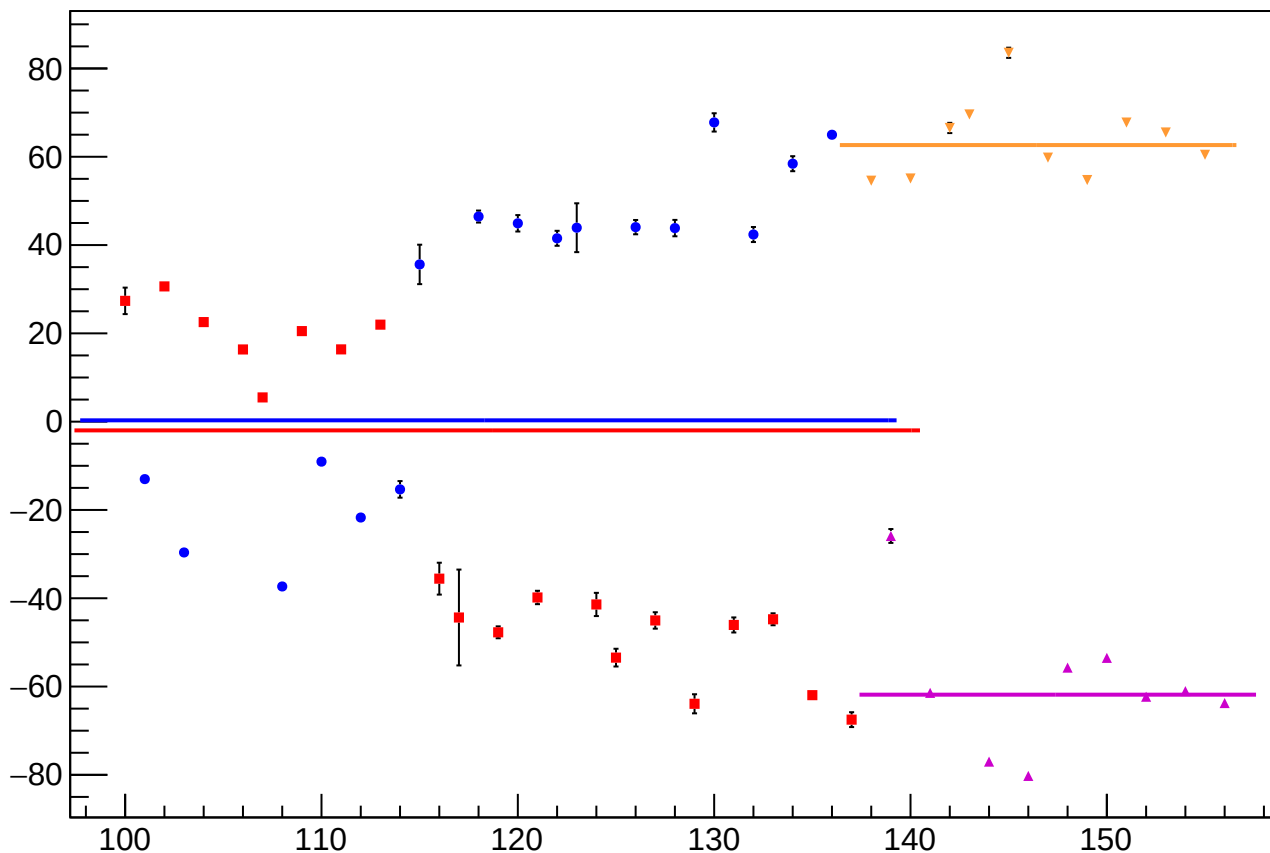
Left In: -46.574+/-0.370 χ^2/NDF : 347.3/8

21.303+/-0.255 χ^2/NDF : 9470.1/26

-0.161+/-0.183 χ^2/NDF : 33203.0/55

-23.234+/-0.264 χ^2/NDF : 8983.7/28

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.300 ± 0.247 $\chi^2/\text{NDF}: 18259.2/16$

Left Out: 62.650 ± 0.303 $\chi^2/\text{NDF}: 671.4/9$

Right Out: -1.978 ± 0.267 $\chi^2/\text{NDF}: 15465.9/19$

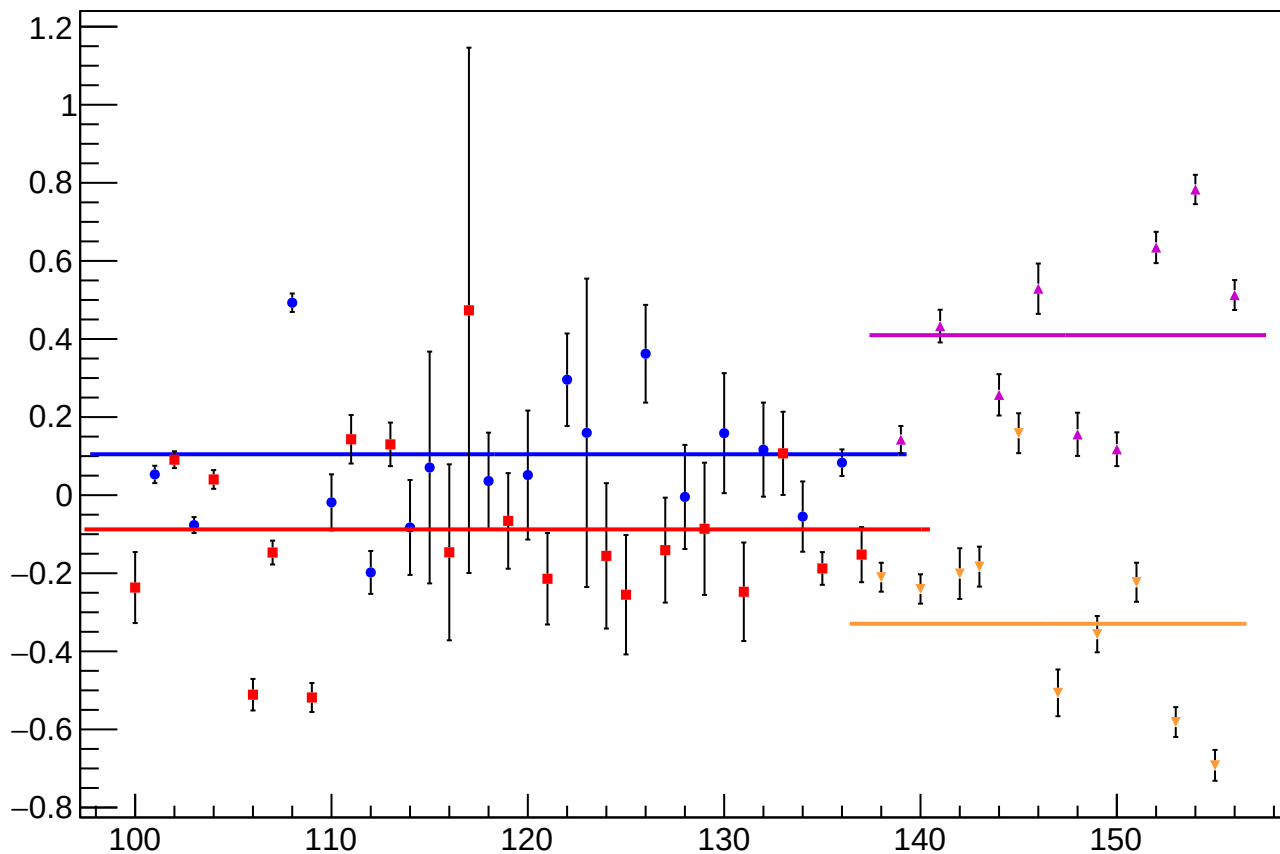
Left In: -61.840 ± 0.322 $\chi^2/\text{NDF}: 1189.3/8$

25.245 ± 0.192 $\chi^2/\text{NDF}: 44337.8/26$

1.270 ± 0.140 $\chi^2/\text{NDF}: 115110.8/55$

-26.282 ± 0.205 $\chi^2/\text{NDF}: 37133.1/28$

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 ± 0.011 χ^2/NDF : 400.8/16

Left Out: -0.329 ± 0.014 χ^2/NDF : 260.2/9

Right Out: -0.088 ± 0.011 χ^2/NDF : 391.6/19

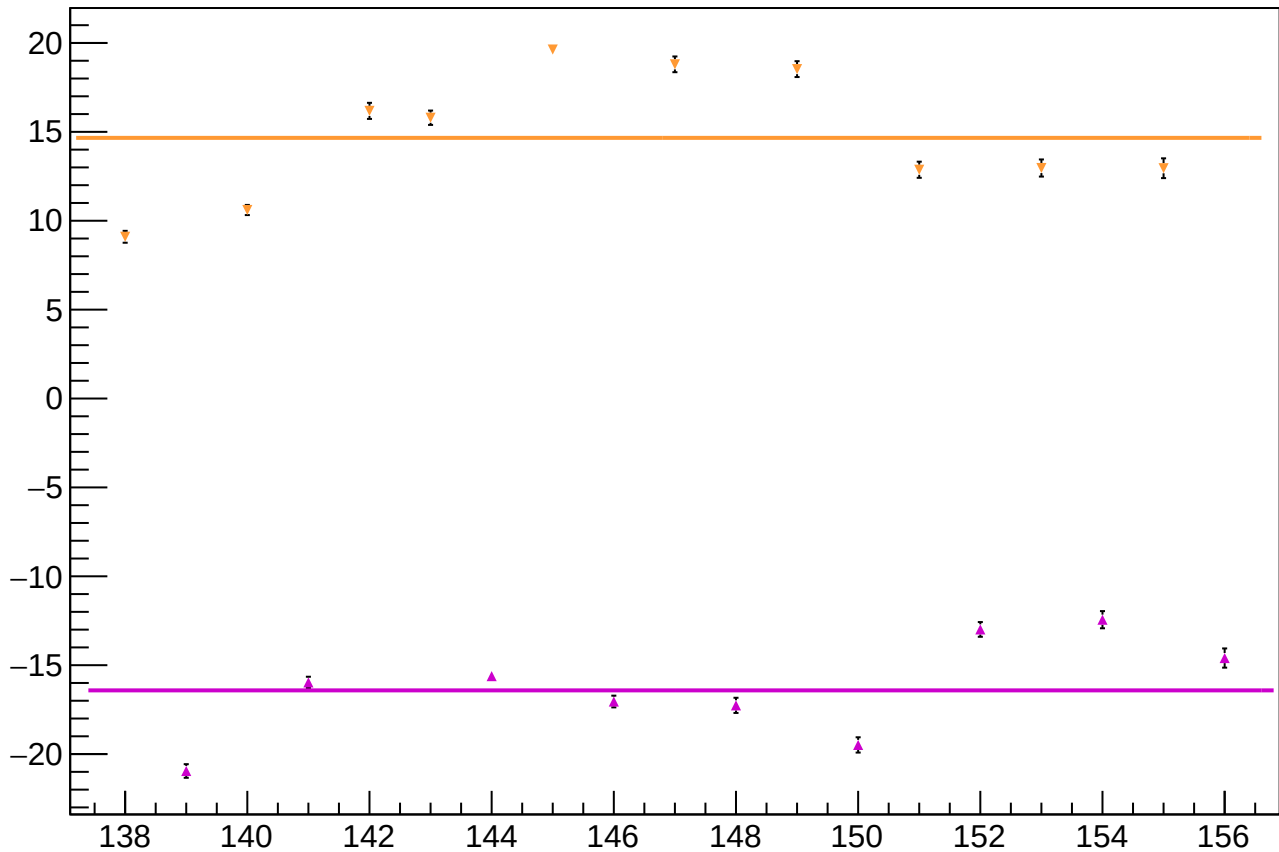
Left In: 0.410 ± 0.014 χ^2/NDF : 275.1/8

-0.058 ± 0.009 χ^2/NDF : 1239.3/26

0.020 ± 0.006 χ^2/NDF : 2820.4/55

0.097 ± 0.009 χ^2/NDF : 1424.3/28

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 14.662+/-0.121 χ^2/NDF : 1026.5/9

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

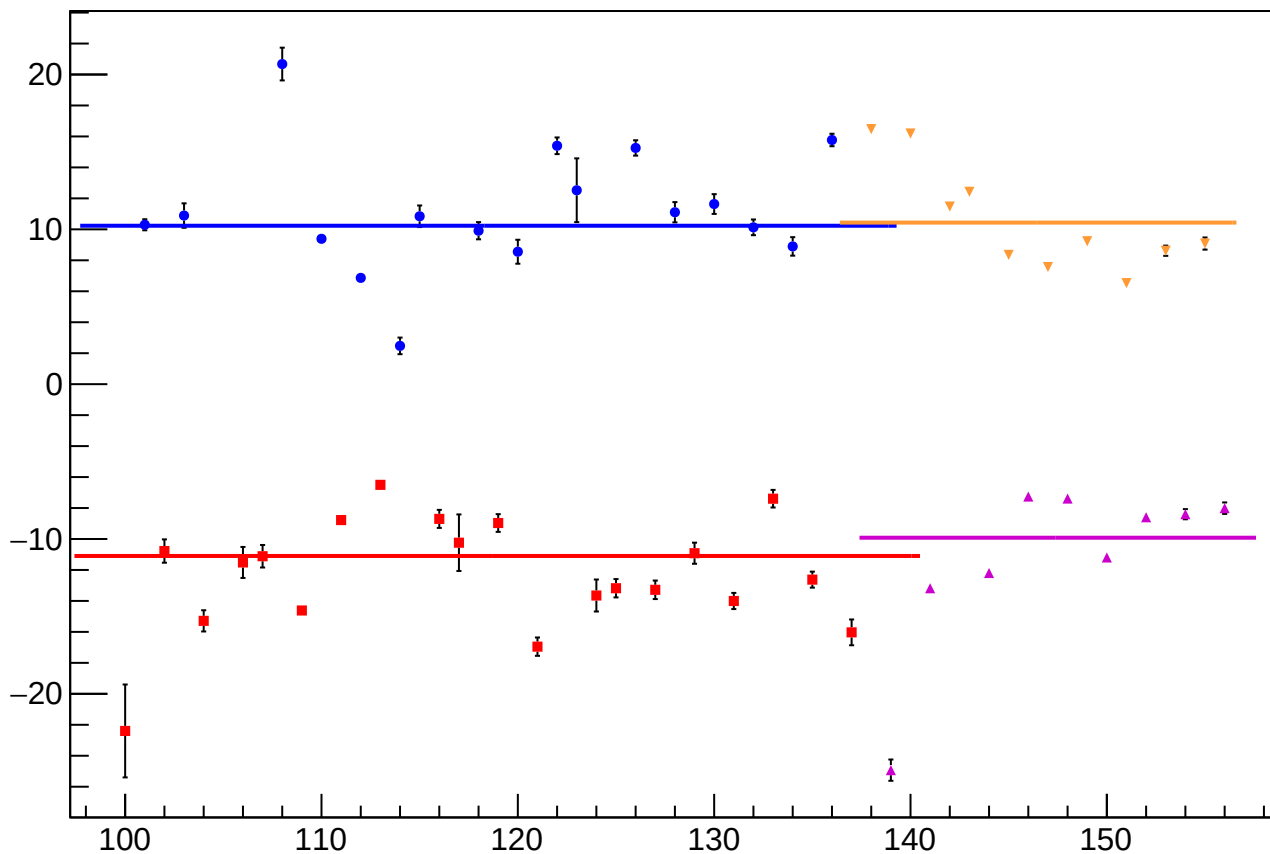
Left In: -16.417+/-0.126 χ^2/NDF : 355.8/8

14.662+/-0.121 χ^2/NDF : 1026.5/9

-0.256+/-0.087 χ^2/NDF : 32945.4/18

-16.417+/-0.126 χ^2/NDF : 355.8/8

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.232 ± 0.119 χ^2/NDF : 876.7/16

Left Out: 10.437 ± 0.085 χ^2/NDF : 1590.4/9

Right Out: -11.096 ± 0.116 χ^2/NDF : 818.0/19

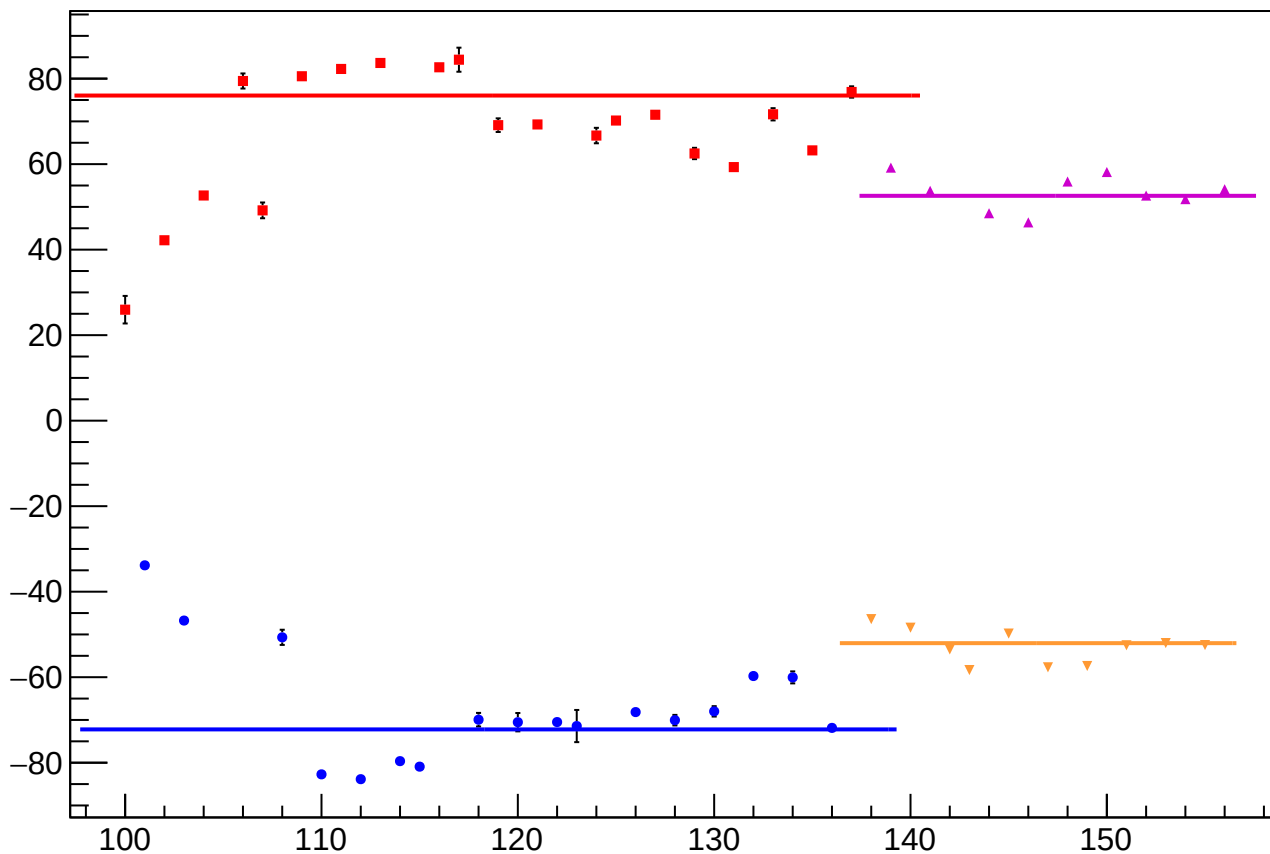
Left In: -9.918 ± 0.086 χ^2/NDF : 1227.8/8

10.368 ± 0.069 χ^2/NDF : 2469.1/26

0.055 ± 0.049 χ^2/NDF : 49335.0/55

-10.338 ± 0.069 χ^2/NDF : 2112.1/28

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

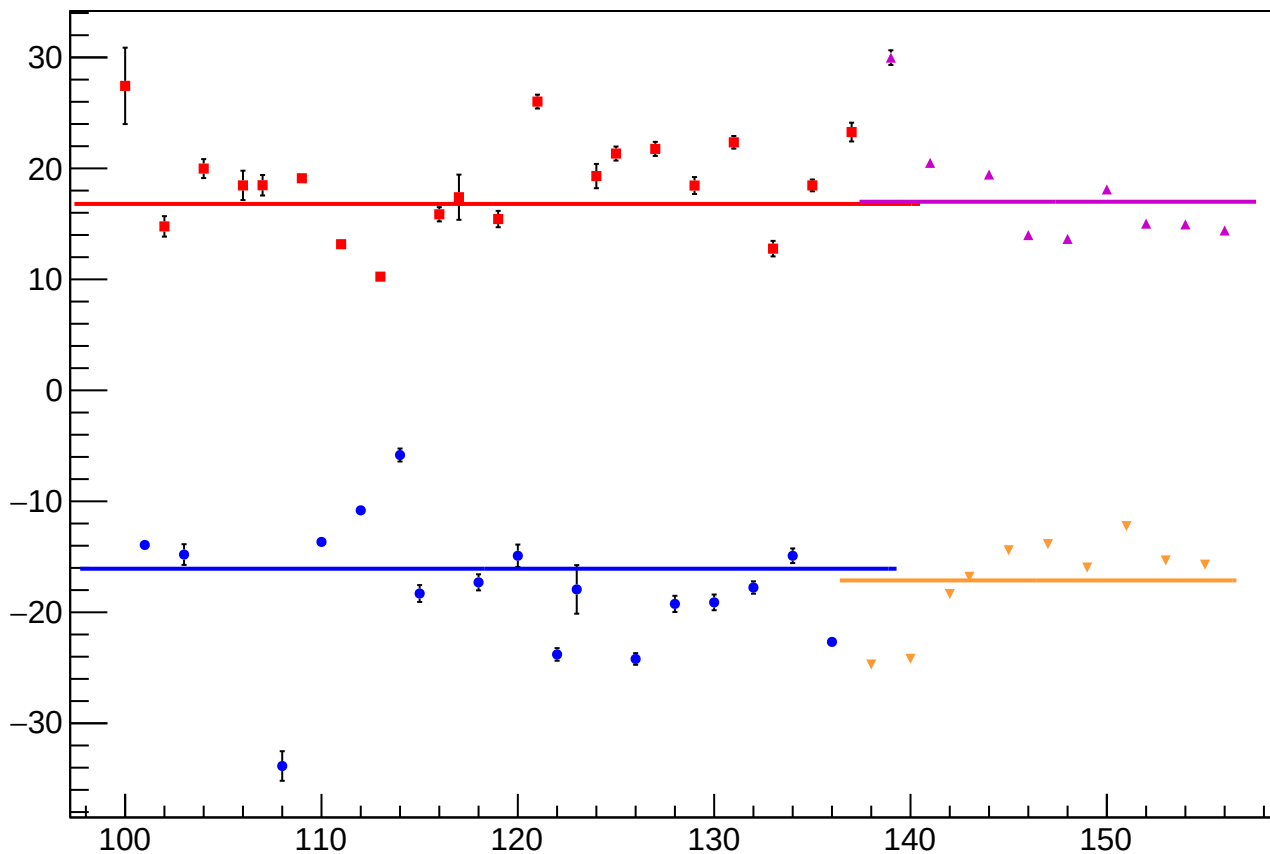
Left In: 52.590 $\pm$ 0.126 χ^2 /NDF: 1103.8/8

-57.700 $\pm$ 0.105 χ^2 /NDF: 14049.8/26

2.218 $\pm$ 0.074 χ^2 /NDF: 672402.0/55

60.251 $\pm$ 0.103 χ^2 /NDF: 15931.1/28

reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.073 ± 0.133 χ^2/NDF : 1640.5/16

Left Out: -17.126 ± 0.103 χ^2/NDF : 1553.8/9

Right Out: 16.797 ± 0.128 χ^2/NDF : 1216.1/19

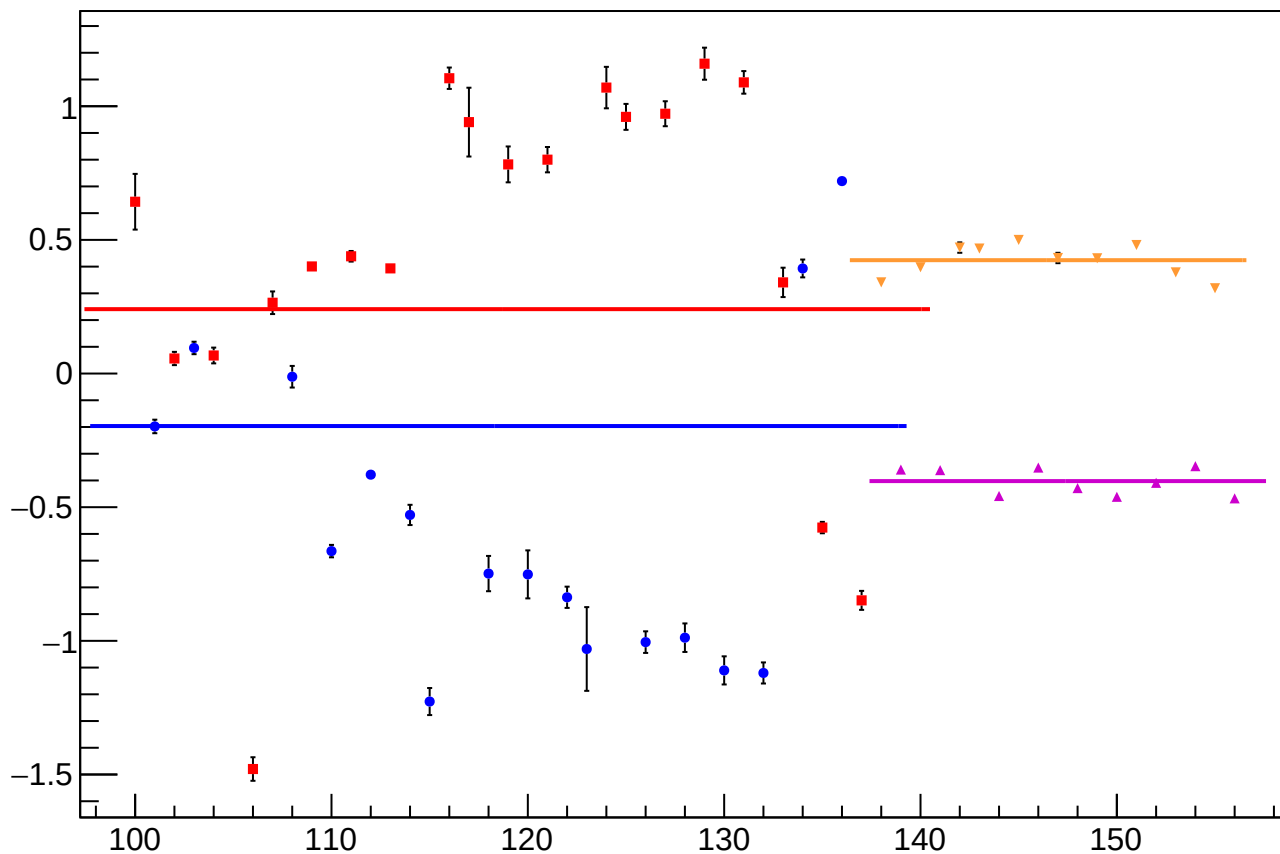
Left In: 16.995 ± 0.106 χ^2/NDF : 1036.8/8

-16.728 ± 0.081 χ^2/NDF : 3233.6/26

0.095 ± 0.058 χ^2/NDF : 90770.0/55

16.915 ± 0.081 χ^2/NDF : 2254.4/28

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.424 ± 0.005 χ^2/NDF : 144.6/9

Right Out: 0.241 ± 0.007 χ^2/NDF : 6218.3/19

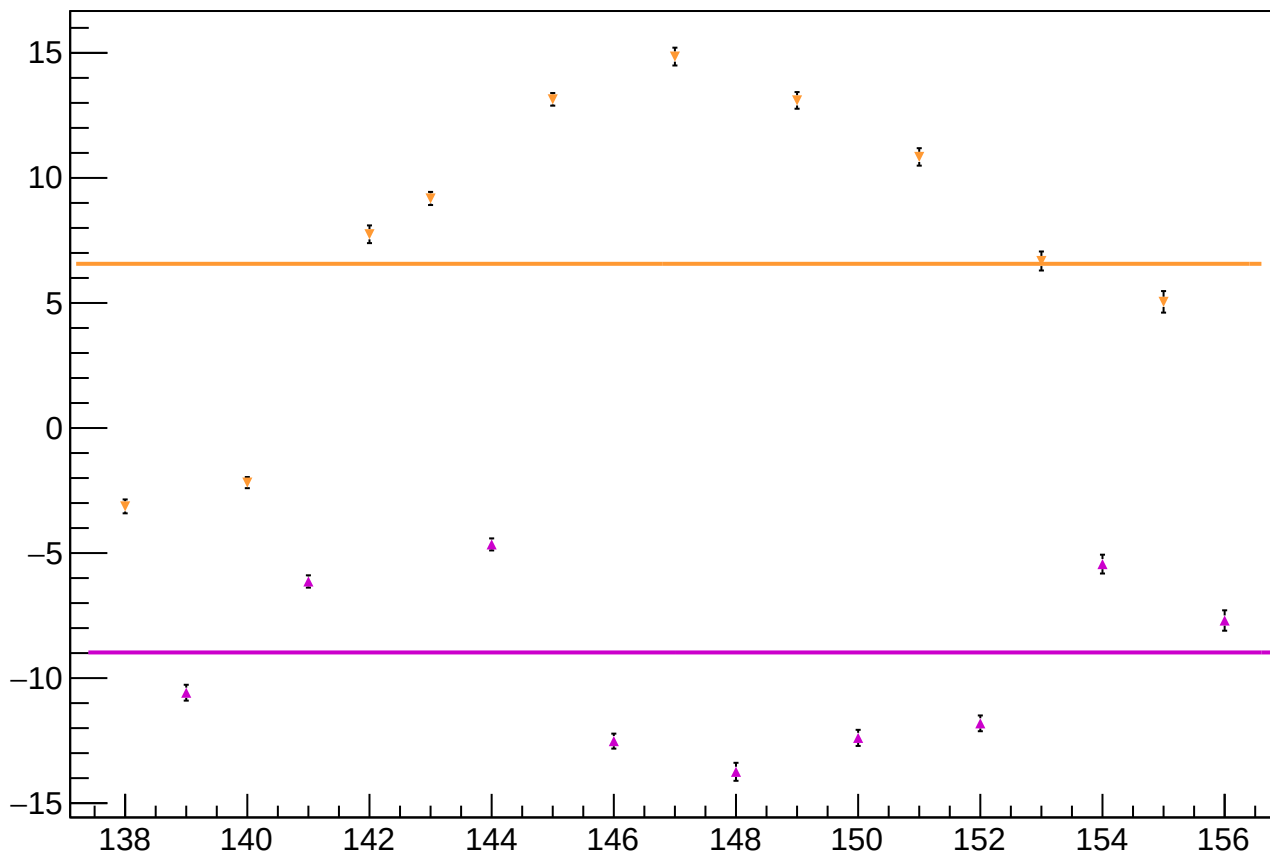
Left In: -0.402 ± 0.005 χ^2/NDF : 90.1/8

0.234 ± 0.004 χ^2/NDF : 11154.0/26

0.021 ± 0.003 χ^2/NDF : 27962.1/55

-0.188 ± 0.004 χ^2/NDF : 11676.7/28

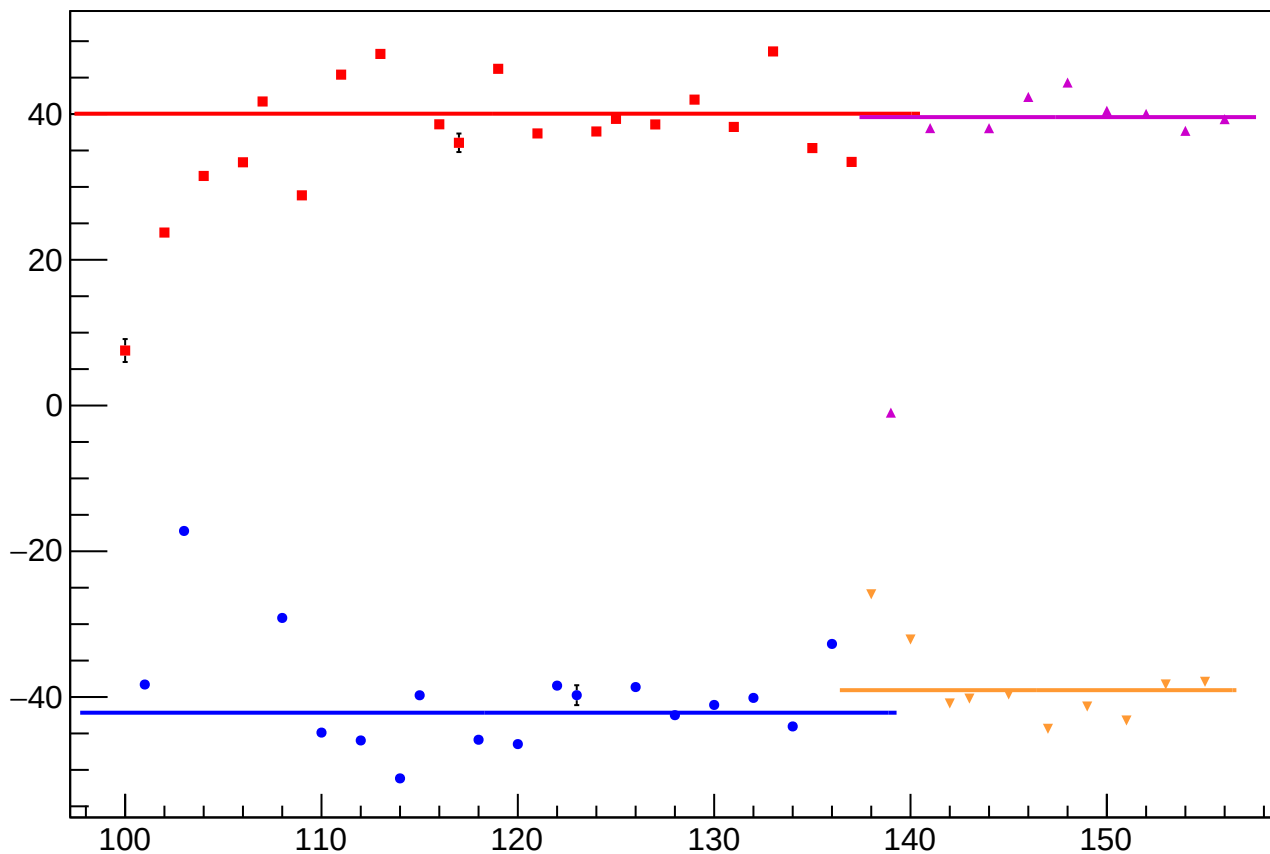
reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 6.566 $\pm$ 0.096 χ^2 /NDF:4640.4/9
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -8.974 $\pm$ 0.102 χ^2 /NDF:1087.3/8

6.566 $\pm$ 0.096 χ^2 /NDF: 4640.4/9
 -0.692 $\pm$ 0.070 χ^2 /NDF: 17993.1/18
 -8.974 $\pm$ 0.102 χ^2 /NDF: 1087.3/8

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.153 ± 0.078 χ^2/NDF : 6557.8/16

Left Out: -39.061 ± 0.067 χ^2/NDF : 5496.5/9

Right Out: 40.049 ± 0.073 χ^2/NDF : 11332.1/19

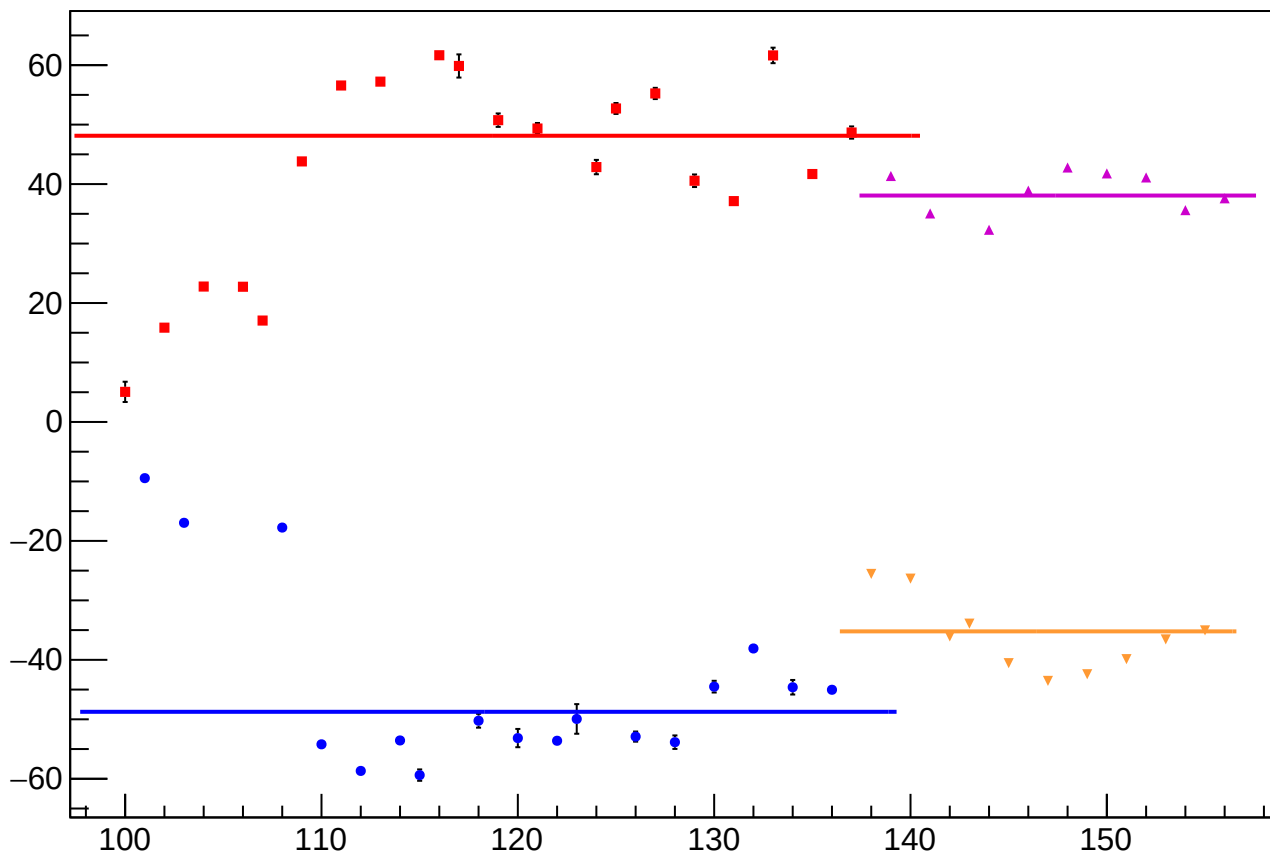
Left In: 39.581 ± 0.071 χ^2/NDF : 6293.8/8

-40.367 ± 0.051 χ^2/NDF : 12961.5/26

-0.363 ± 0.036 χ^2/NDF : 1277985.3/55

39.810 ± 0.051 χ^2/NDF : 17647.2/28

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.737 $\pm$ 0.125 χ^2 /NDF: 14658.1/16

Left Out: -35.213 $\pm$ 0.098 χ^2 /NDF:4223.8/9

Right Out: 48.127 $\pm$ 0.107 χ^2 /NDF: 11769.6/19

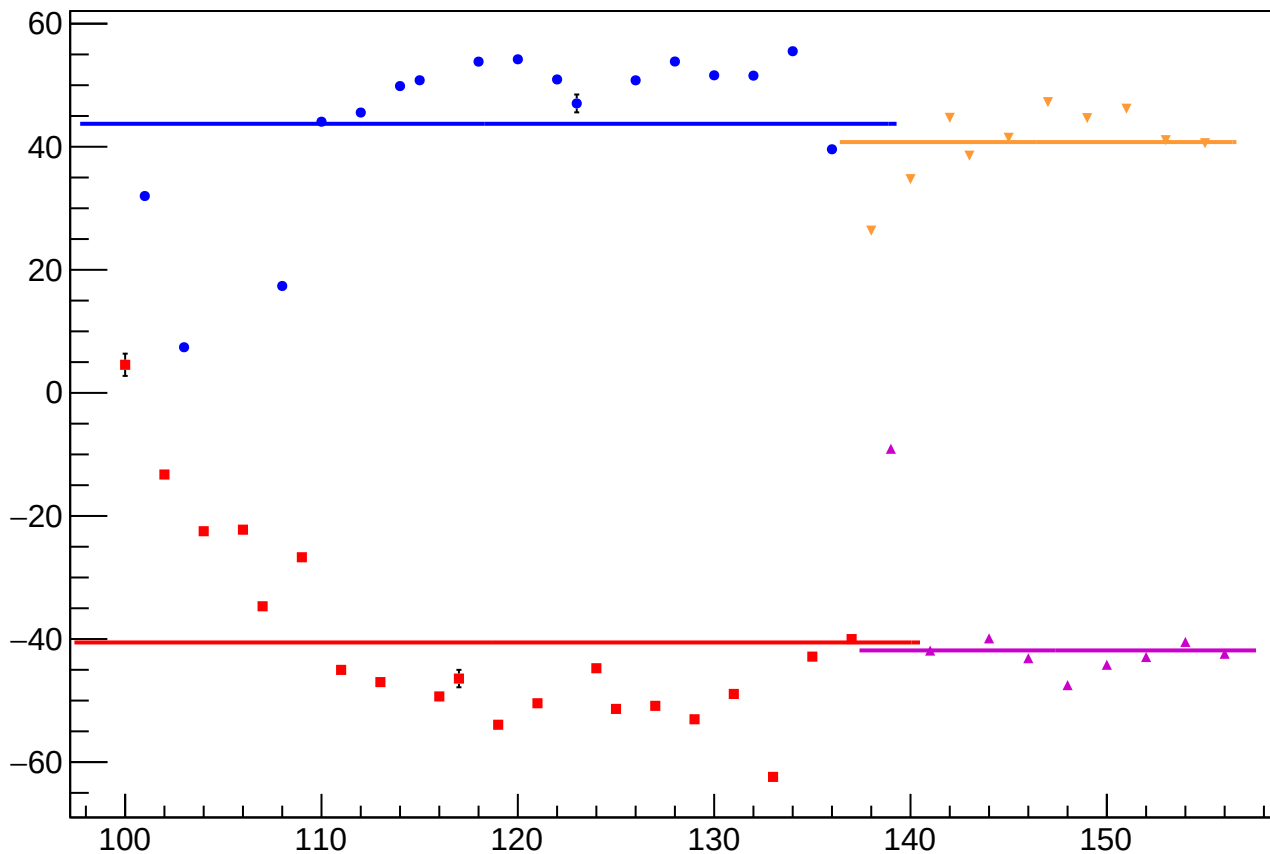
Left In: 38.073 $\pm$ 0.102 χ^2 /NDF:1230.9/8

-40.359 $\pm$ 0.077 χ^2 /NDF: 26184.1/26

2.901 $\pm$ 0.053 χ^2 /NDF: 653529.6/55

42.855 $\pm$ 0.074 χ^2 /NDF: 17624.2/28

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.731+/-0.087 χ^2/NDF : 10567.7/16

Left Out: 40.762+/-0.081 χ^2/NDF : 4646.8/9

Right Out: -40.556+/-0.080 χ^2/NDF : 17618.6/19

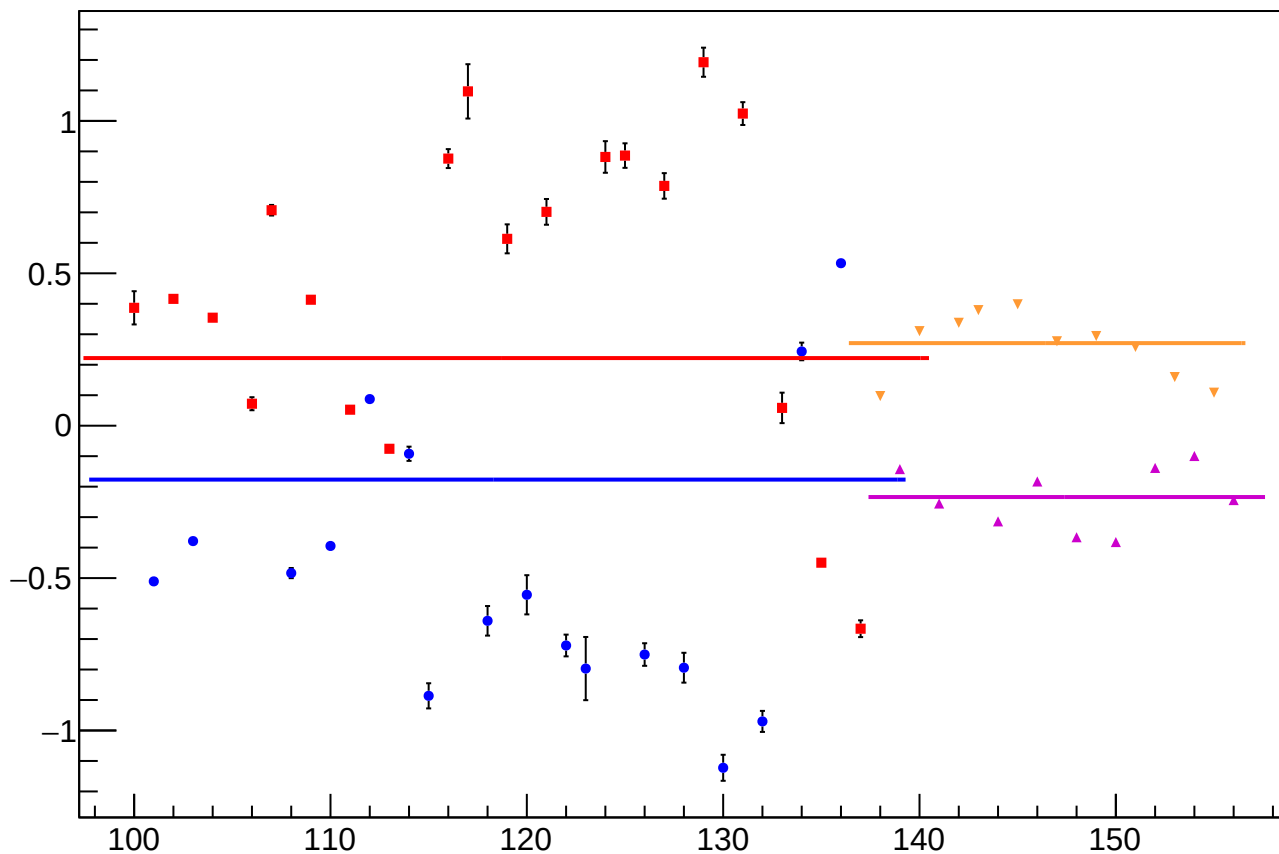
Left In: -41.850+/-0.086 χ^2/NDF : 4389.0/8

42.149+/-0.059 χ^2/NDF : 15837.3/26

0.004+/-0.042 χ^2/NDF : 1034589.3/55

-41.156+/-0.059 χ^2/NDF : 22128.6/28

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.177+/-0.005 χ^2/NDF : 7364.7/16

Left Out: 0.271+/-0.004 χ^2/NDF : 703.2/9

Right Out: 0.222+/-0.004 χ^2/NDF : 7527.0/19

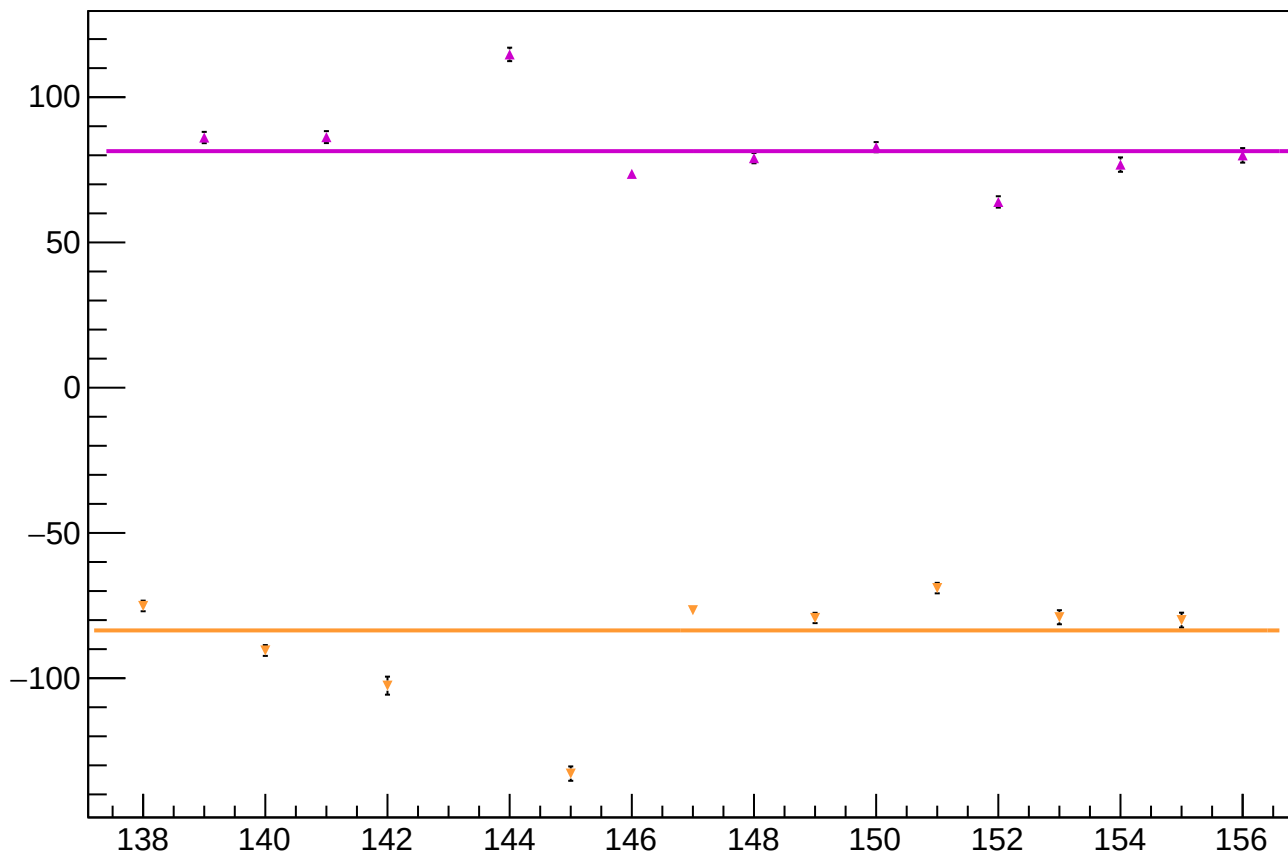
Left In: -0.234+/-0.004 χ^2/NDF : 528.6/8

0.091+/-0.003 χ^2/NDF : 13187.5/26

0.034+/-0.002 χ^2/NDF : 27815.4/55

-0.018+/-0.003 χ^2/NDF : 13975.0/28

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -83.555+/-0.684 χ^2/NDF : 561.4/8

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

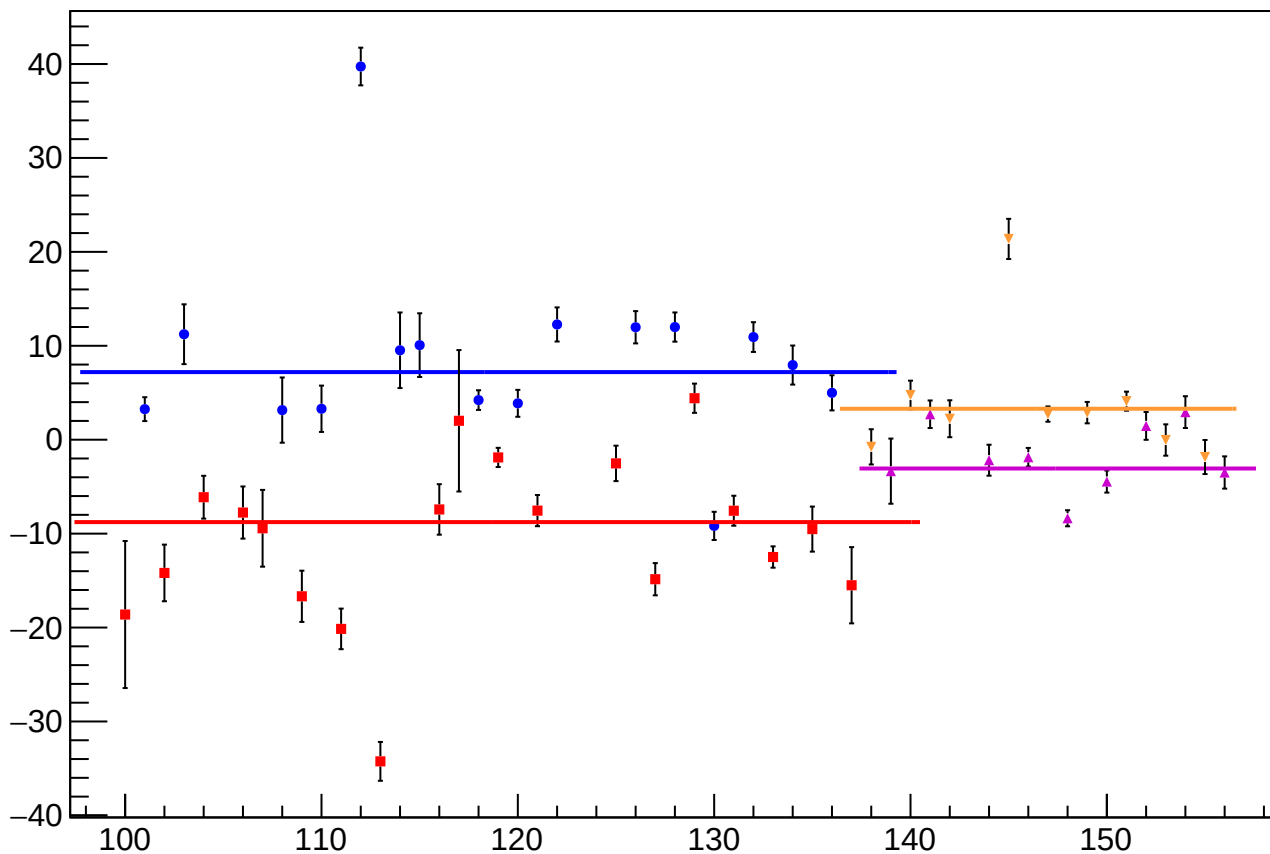
Left In: 81.423+/-0.664 χ^2/NDF : 325.0/8

-83.555+/-0.684 χ^2/NDF : 561.4/8

1.323+/-0.476 χ^2/NDF : 30832.1/17

81.423+/-0.664 χ^2/NDF : 325.0/8

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.199 ± 0.440 $\chi^2/\text{NDF}: 443.8/15$

Left Out: 3.298 ± 0.443 $\chi^2/\text{NDF}: 90.6/8$

Right Out: -8.772 ± 0.447 $\chi^2/\text{NDF}: 351.7/18$

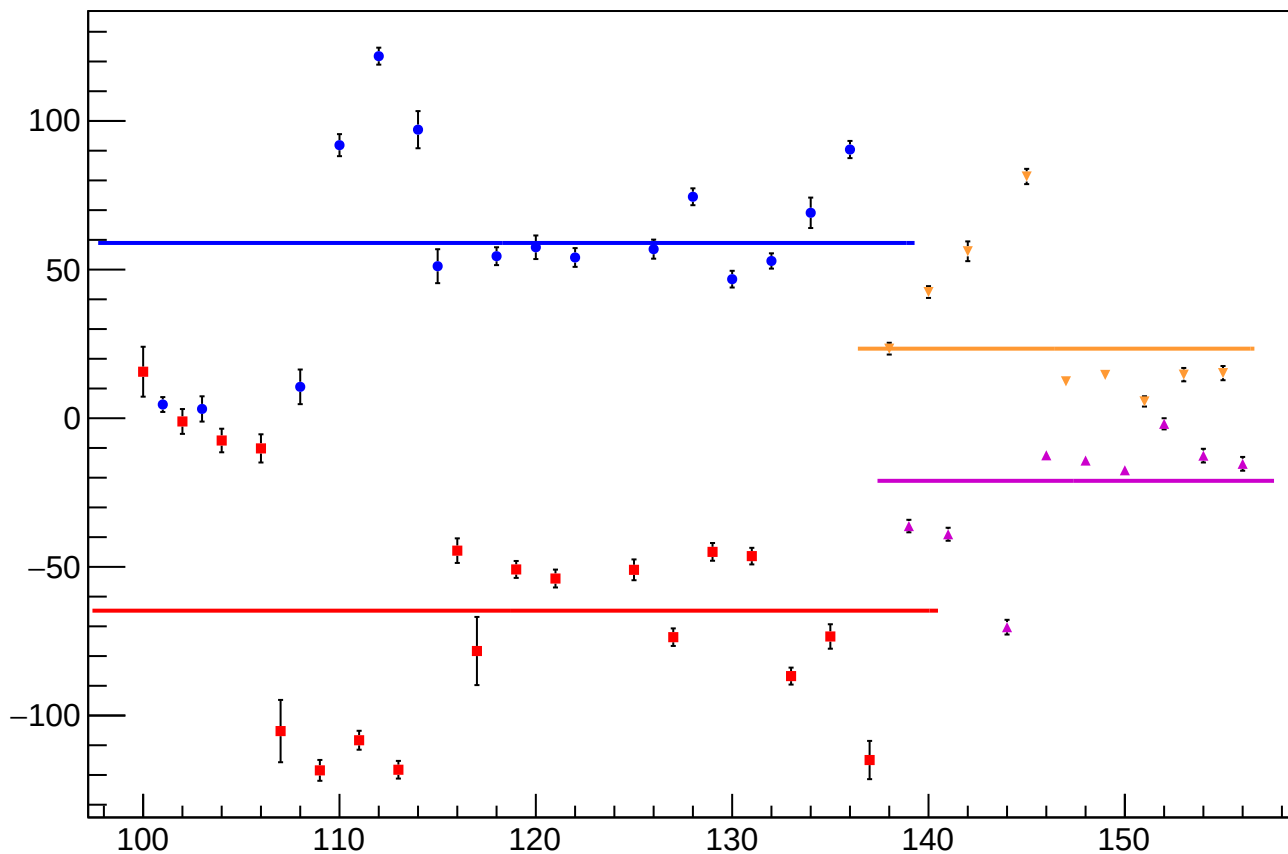
Left In: -3.066 ± 0.440 $\chi^2/\text{NDF}: 78.9/8$

5.262 ± 0.312 $\chi^2/\text{NDF}: 573.5/24$

-0.275 ± 0.221 $\chi^2/\text{NDF}: 1720.9/52$

-5.875 ± 0.314 $\chi^2/\text{NDF}: 513.4/27$

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.962 ± 0.837 $\chi^2/\text{NDF}: 1496.5/15$

Left Out: 23.404 ± 0.673 $\chi^2/\text{NDF}: 905.4/8$

Right Out: -64.728 ± 0.838 $\chi^2/\text{NDF}: 1723.2/18$

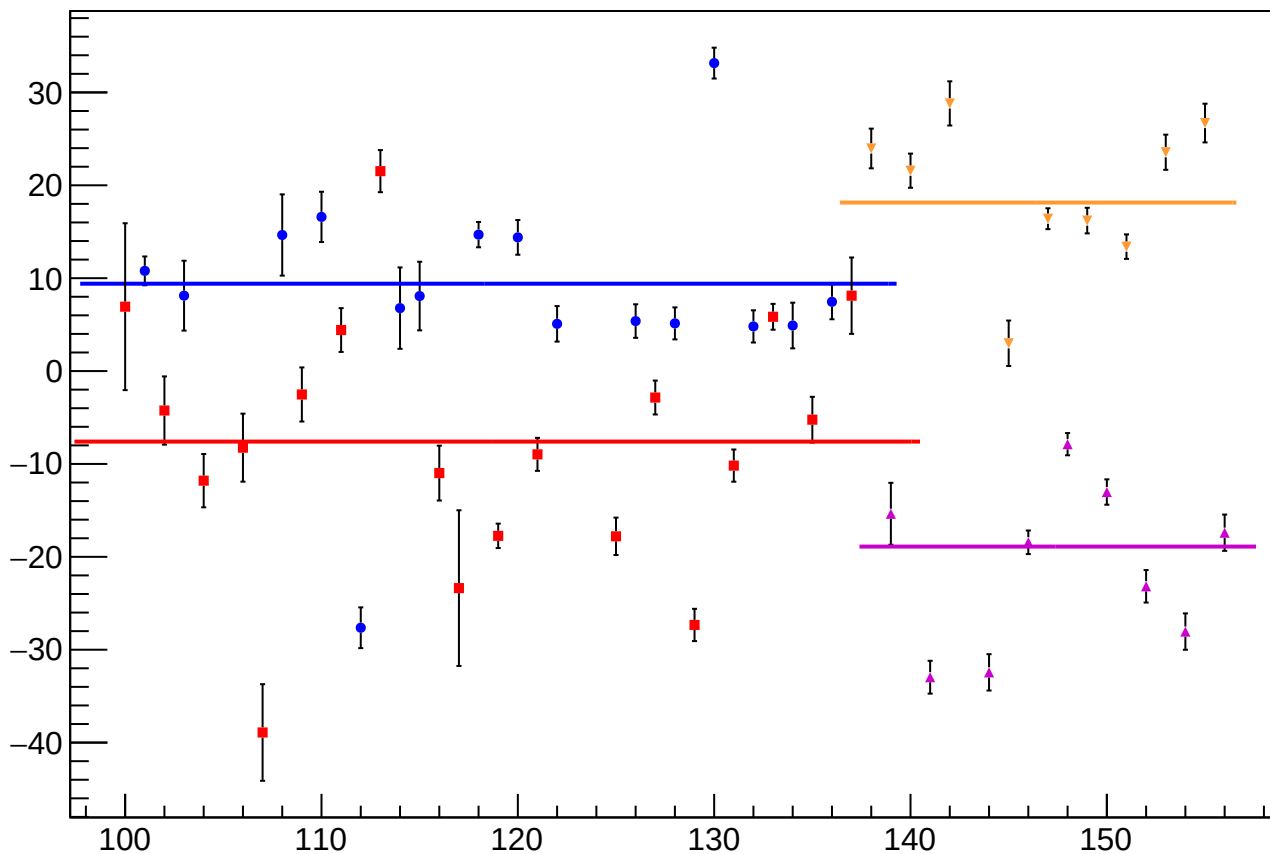
Left In: -21.053 ± 0.649 $\chi^2/\text{NDF}: 688.0/8$

37.361 ± 0.524 $\chi^2/\text{NDF}: 3498.4/24$

-0.852 ± 0.367 $\chi^2/\text{NDF}: 18002.8/52$

-37.428 ± 0.513 $\chi^2/\text{NDF}: 4109.9/27$

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.405 ± 0.507 $\chi^2/\text{NDF}: 549.5/15$

Left Out: 18.141 ± 0.554 $\chi^2/\text{NDF}: 111.8/8$

Right Out: -7.593 ± 0.514 $\chi^2/\text{NDF}: 573.4/18$

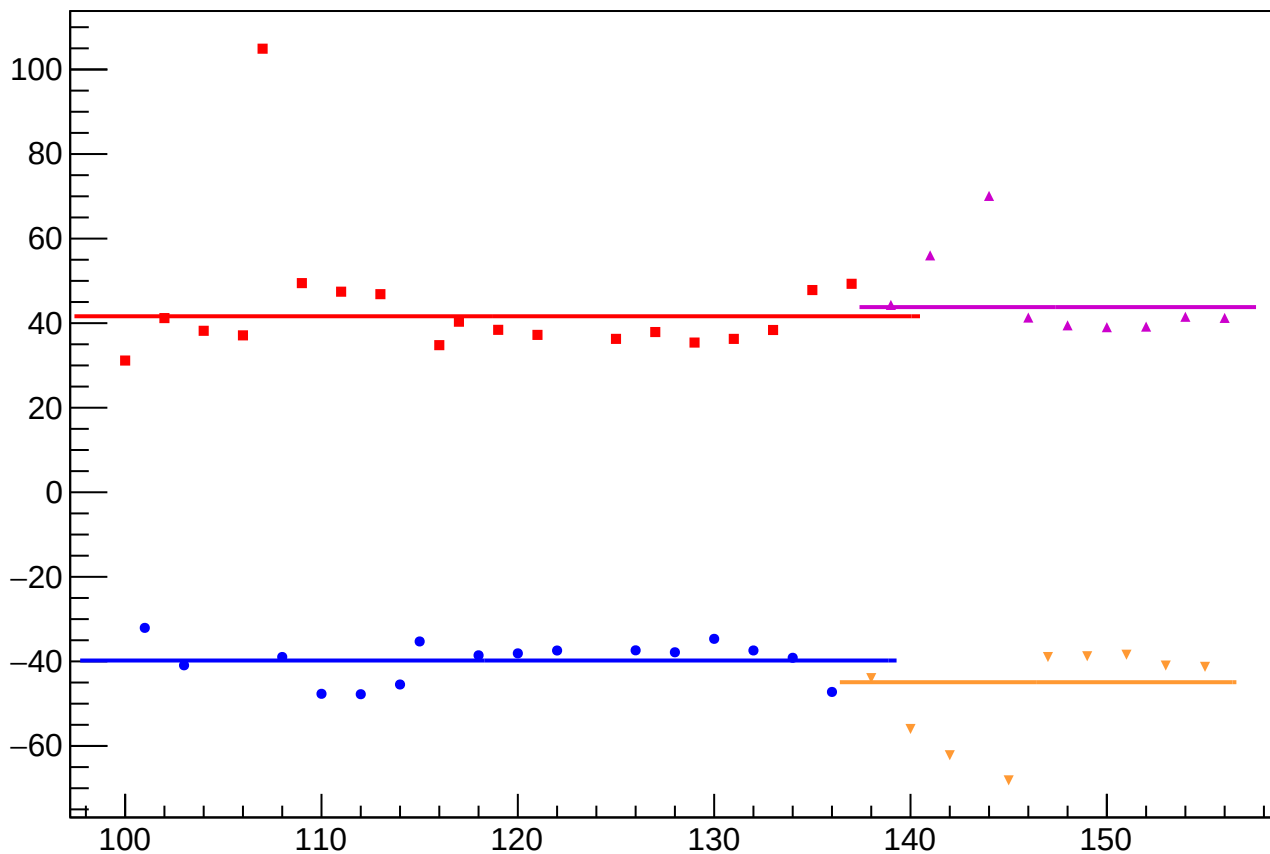
Left In: -18.895 ± 0.544 $\chi^2/\text{NDF}: 244.4/8$

13.387 ± 0.374 $\chi^2/\text{NDF}: 796.8/24$

0.228 ± 0.264 $\chi^2/\text{NDF}: 4320.3/52$

-12.920 ± 0.374 $\chi^2/\text{NDF}: 1045.8/27$

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.791 $\pm$ 0.031 χ^2 /NDF: 26138.6/15

Left Out: -44.923 $\pm$ 0.028 χ^2 /NDF: 110703.1/8

Right Out: 41.631 $\pm$ 0.031 χ^2 /NDF: 94399.1/18

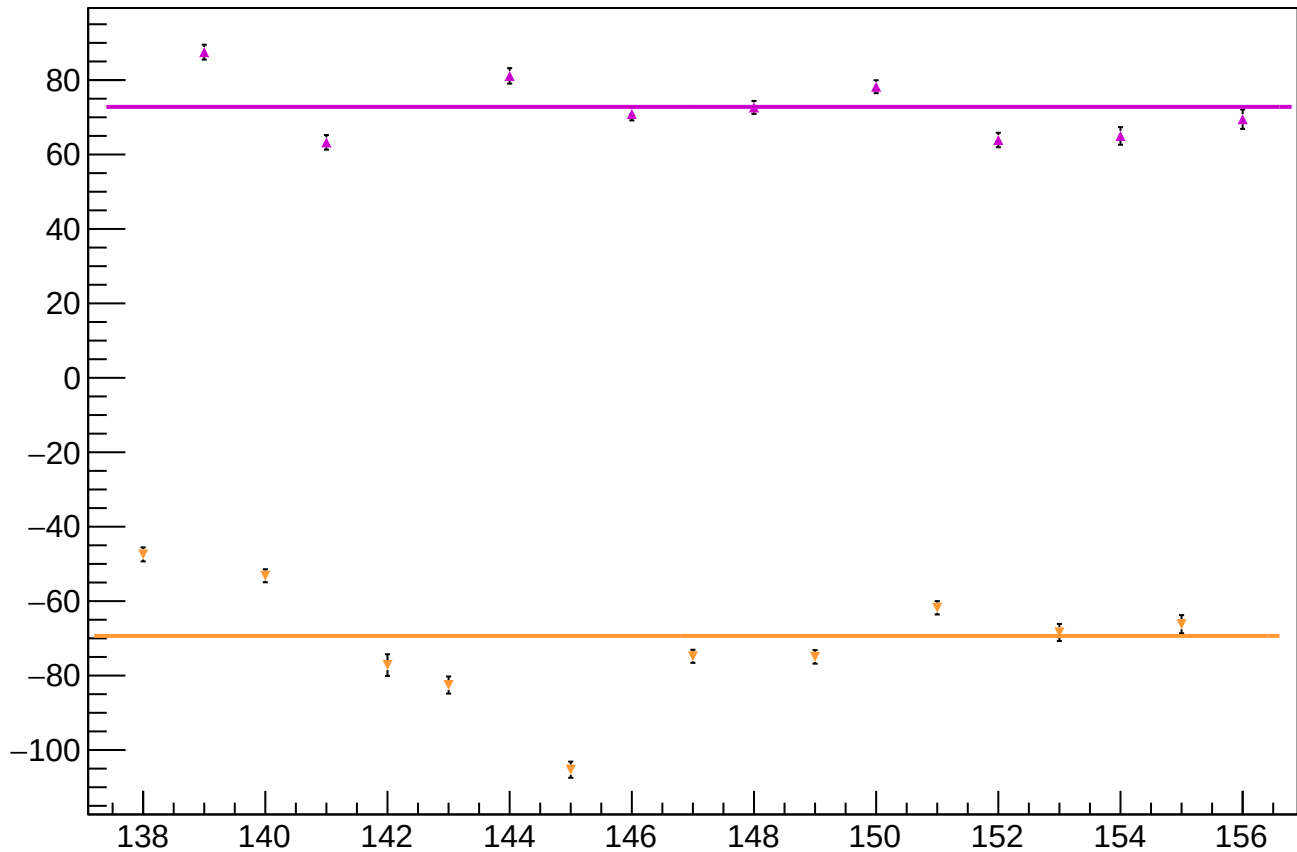
Left In: 43.799 $\pm$ 0.026 χ^2 /NDF: 92803.4/8

-42.658 $\pm$ 0.021 χ^2 /NDF: 151928.9/24

1.789 $\pm$ 0.014 χ^2 /NDF: 9179190.3/52

42.909 $\pm$ 0.020 χ^2 /NDF: 190057.7/27

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -69.351+/-0.643 χ^2/NDF : 572.5/9

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

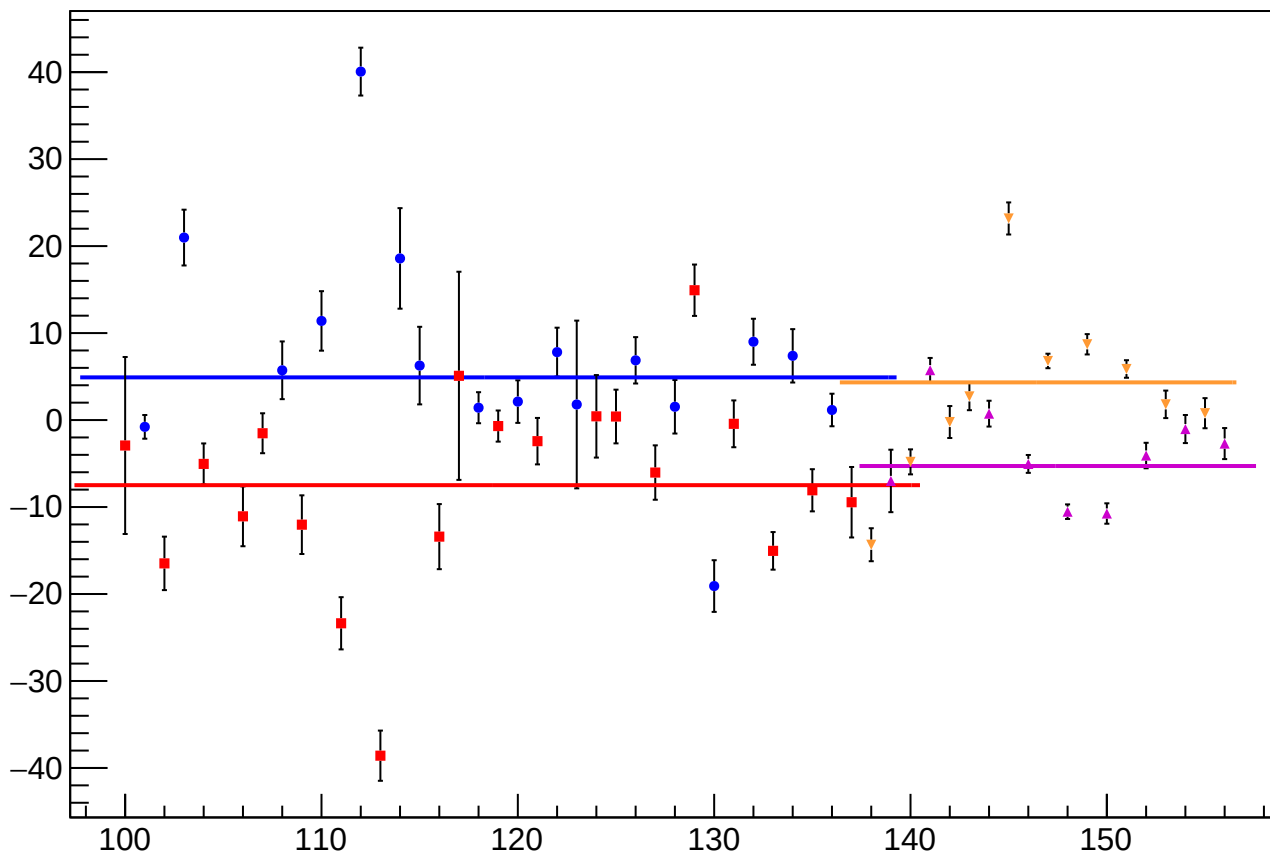
Left In: 72.807+/-0.657 χ^2/NDF : 137.7/8

-69.351+/-0.643 χ^2/NDF : 572.5/9

0.198+/-0.460 χ^2/NDF : 24603.1/18

72.807+/-0.657 χ^2/NDF : 137.7/8

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.907 ± 0.628 χ^2/NDF : 295.4/16

Left Out: 4.331 ± 0.421 χ^2/NDF : 280.7/9

Right Out: -7.486 ± 0.650 χ^2/NDF : 271.7/19

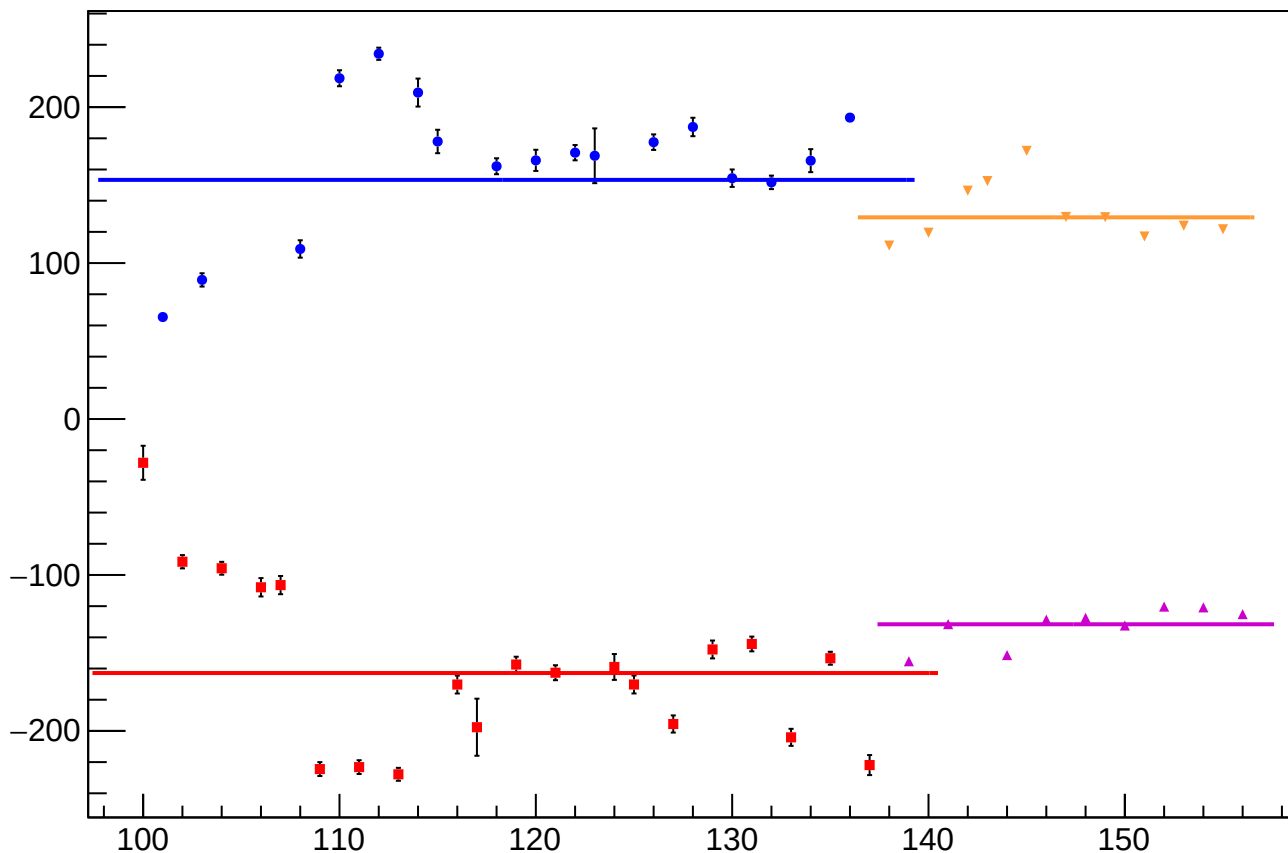
Left In: -5.284 ± 0.435 χ^2/NDF : 148.9/8

4.510 ± 0.350 χ^2/NDF : 576.7/26

-0.560 ± 0.251 χ^2/NDF : 1439.3/55

-5.965 ± 0.361 χ^2/NDF : 428.6/28

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

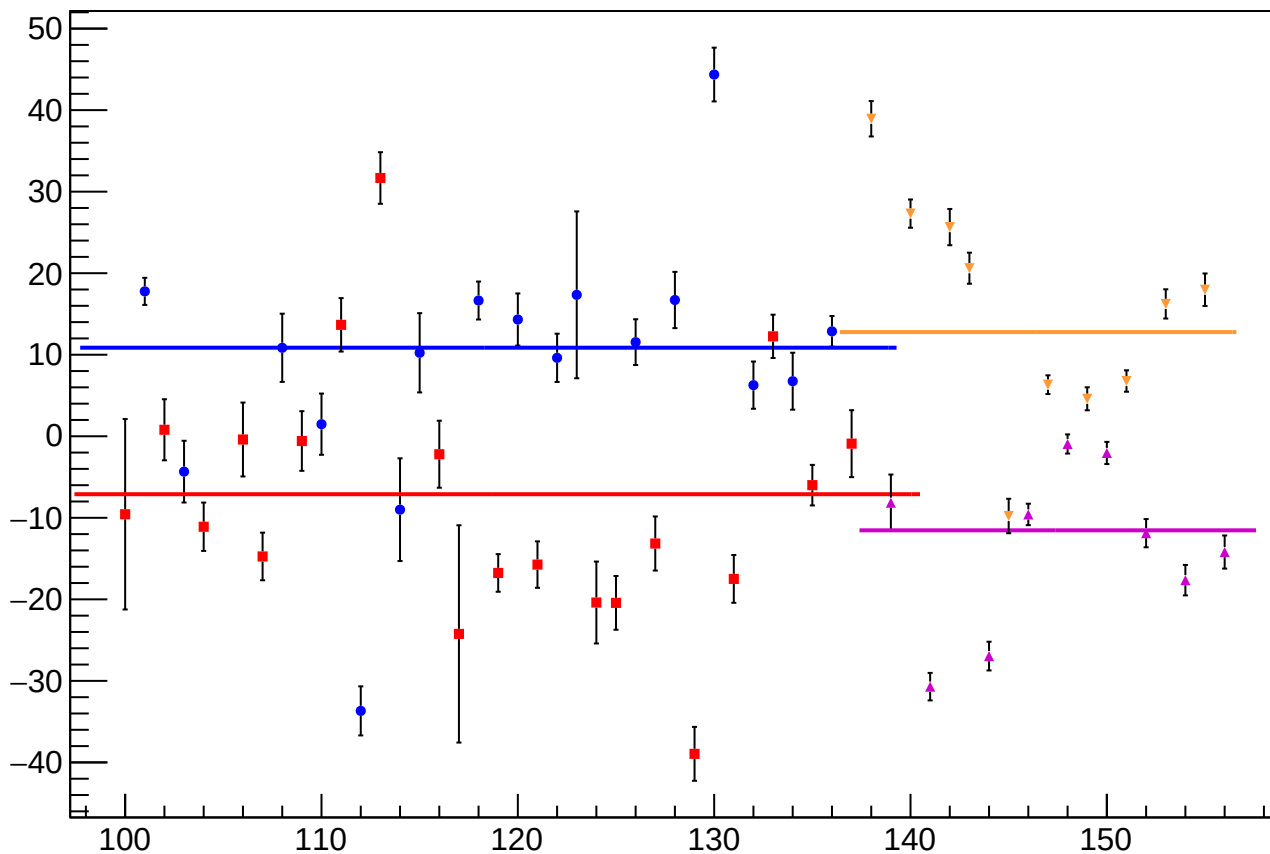
Left In: -131.619+/-0.643 χ^2/NDF : 276.1/8

134.978+/-0.558 χ^2/NDF : 3249.8/26

-0.460+/-0.397 χ^2/NDF : 124910.4/55

-138.826+/-0.564 χ^2/NDF : 2533.5/28

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.864 ± 0.719 χ^2/NDF : 387.9/16

Left Out: 12.782 ± 0.524 χ^2/NDF : 476.4/9

Right Out: -7.106 ± 0.746 χ^2/NDF : 426.4/19

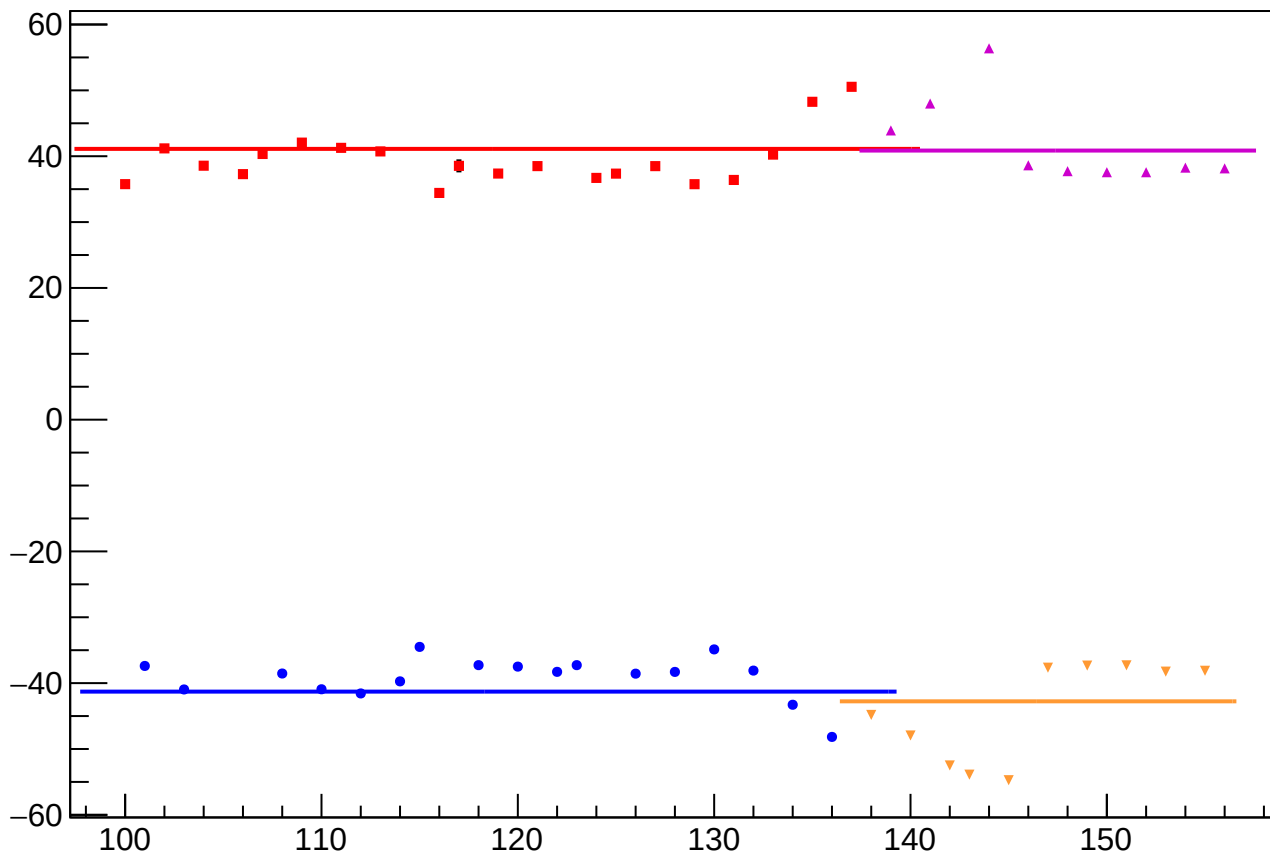
Left In: -11.535 ± 0.537 χ^2/NDF : 351.4/8

12.118 ± 0.423 χ^2/NDF : 869.0/26

1.375 ± 0.304 χ^2/NDF : 2997.1/55

-10.023 ± 0.436 χ^2/NDF : 801.0/28

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.289 ± 0.039 $\chi^2/\text{NDF}: 12509.1/16$

Left Out: -42.764 ± 0.026 $\chi^2/\text{NDF}: 63434.6/9$

Right Out: 41.115 ± 0.039 $\chi^2/\text{NDF}: 12120.1/19$

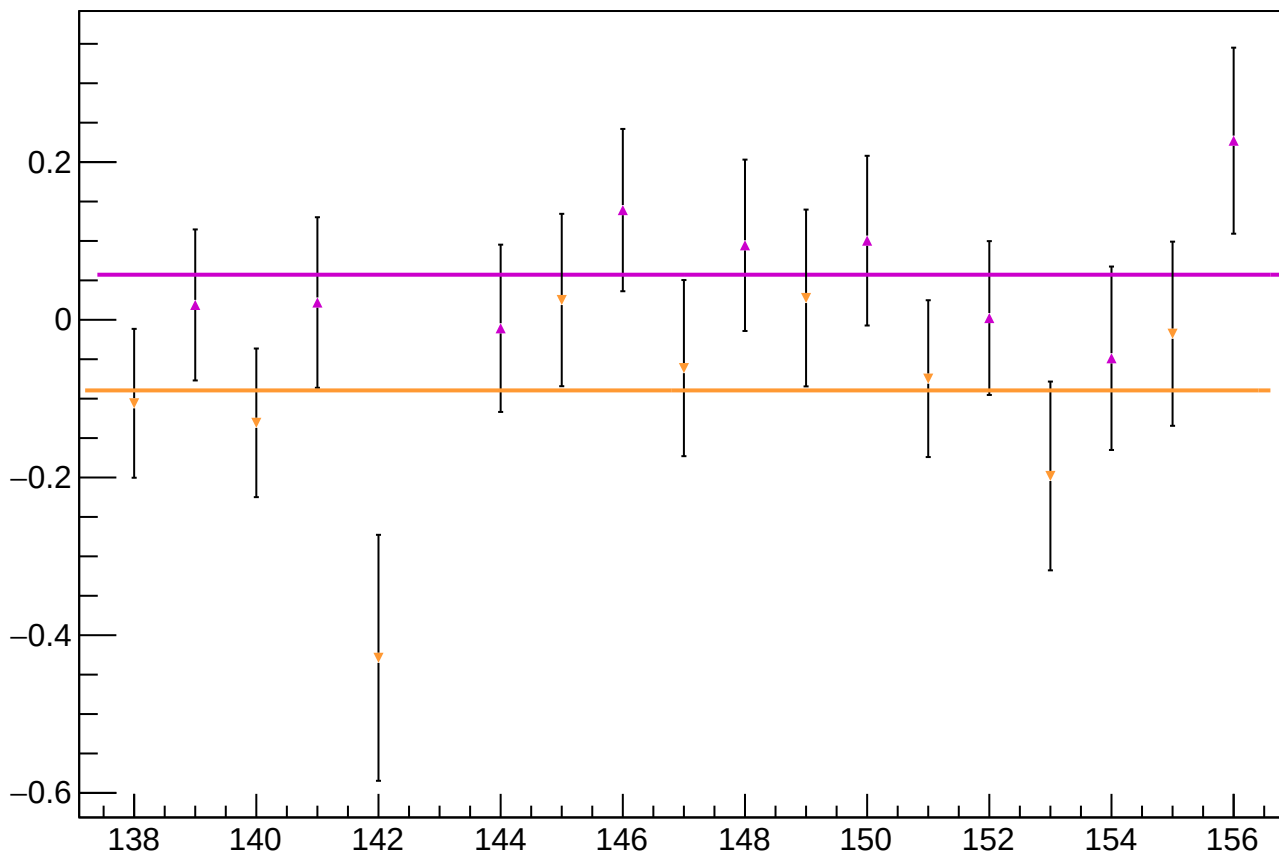
Left In: 40.859 ± 0.026 $\chi^2/\text{NDF}: 43391.9/8$

-42.299 ± 0.022 $\chi^2/\text{NDF}: 76943.8/26$

-0.246 ± 0.015 $\chi^2/\text{NDF}: 7584772.2/55$

40.938 ± 0.021 $\chi^2/\text{NDF}: 55542.2/28$

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 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

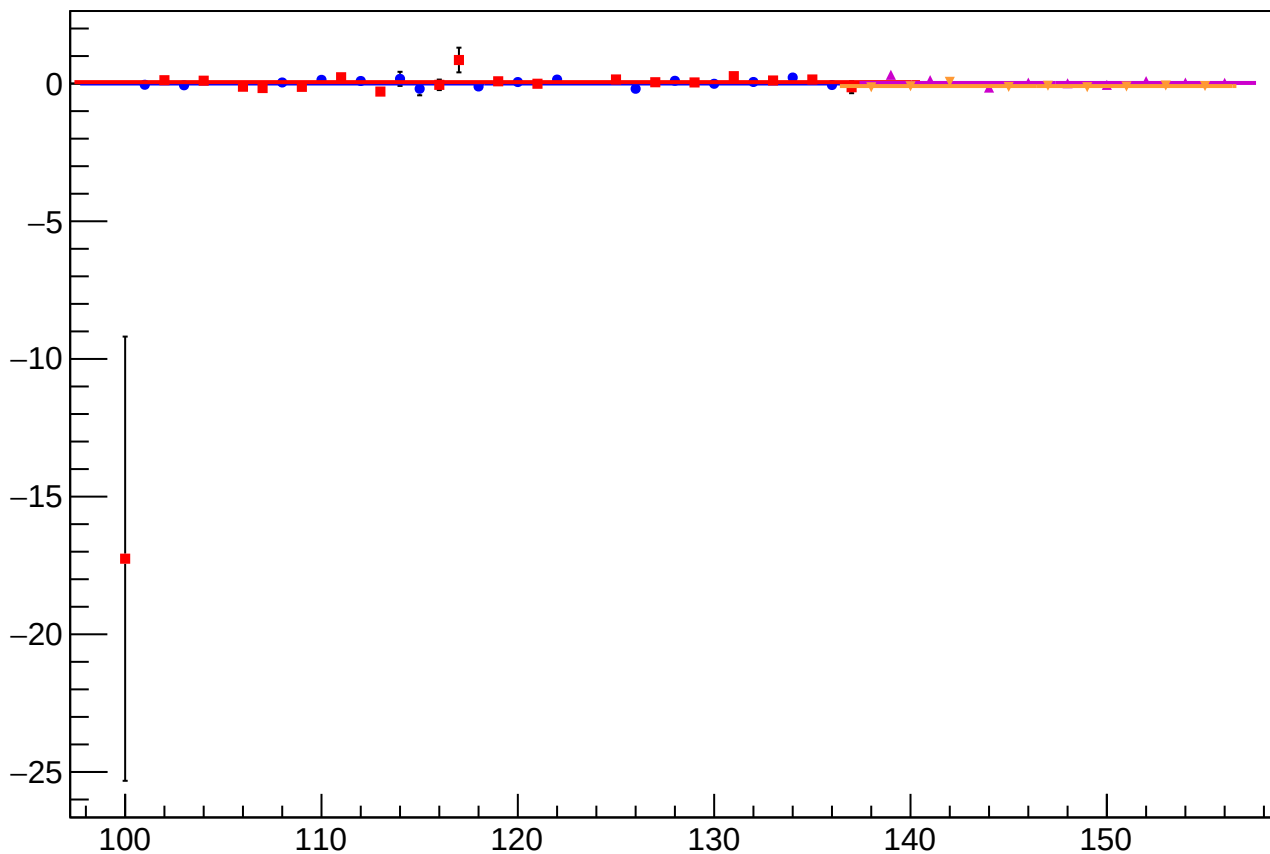
Left In: 0.057 $\pm$ 0.035 χ^2 /NDF: 4.8/8

-0.090 $\pm$ 0.036 χ^2 /NDF: 8.4/8

-0.014 $\pm$ 0.025 χ^2 /NDF: 21.6/17

0.057 $\pm$ 0.035 χ^2 /NDF: 4.8/8

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.003+/-0.029 χ^2/NDF : 12.4/15

Left Out: -0.090+/-0.025 χ^2/NDF : 3.2/8

Right Out: 0.053+/-0.029 χ^2/NDF : 28.8/18

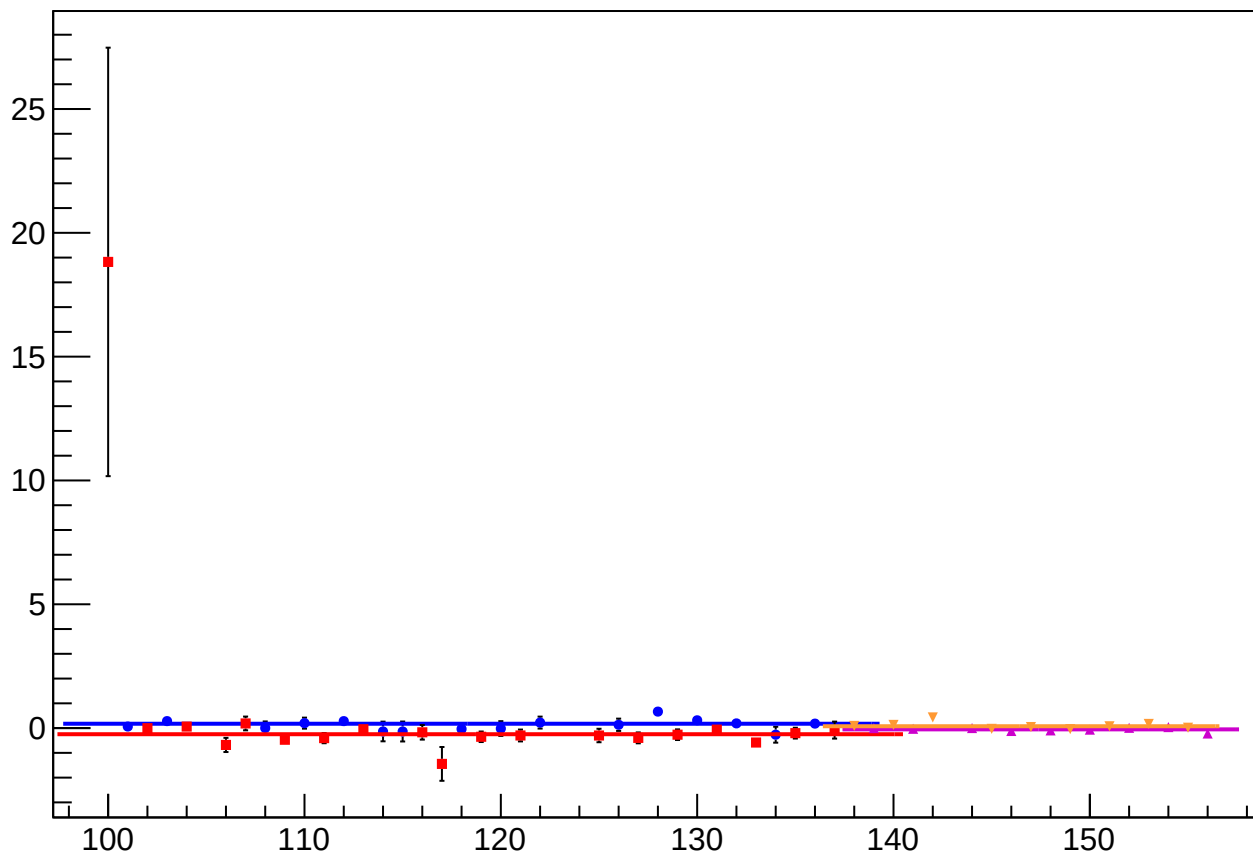
Left In: 0.023+/-0.024 χ^2/NDF : 11.5/8

-0.050+/-0.019 χ^2/NDF : 21.7/24

-0.007+/-0.013 χ^2/NDF : 73.0/52

0.036+/-0.019 χ^2/NDF : 40.9/27

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.176 ± 0.053 $\chi^2/\text{NDF}: 13.0/15$

Left Out: 0.075 ± 0.036 $\chi^2/\text{NDF}: 8.0/8$

Right Out: -0.247 ± 0.054 $\chi^2/\text{NDF}: 24.7/18$

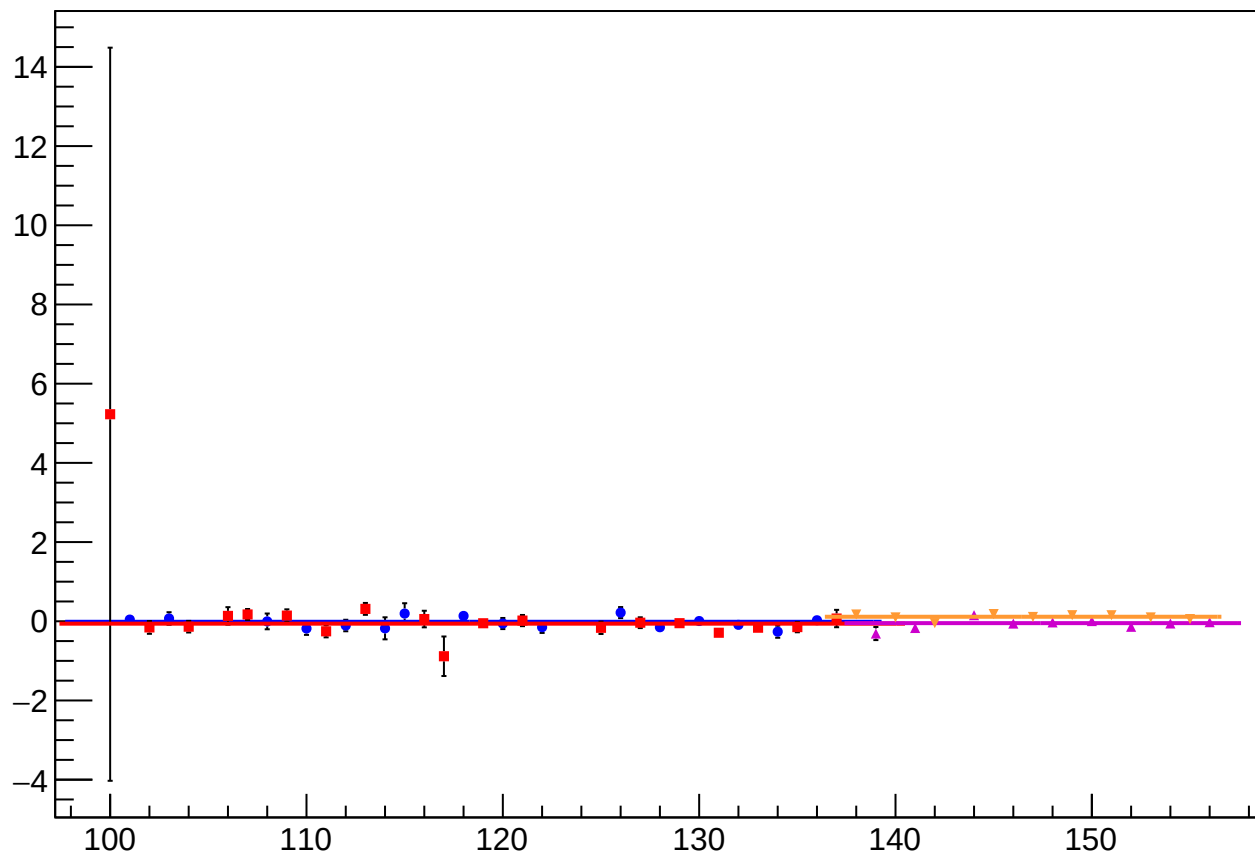
Left In: -0.051 ± 0.035 $\chi^2/\text{NDF}: 4.6/8$

0.107 ± 0.030 $\chi^2/\text{NDF}: 23.5/24$

-0.003 ± 0.021 $\chi^2/\text{NDF}: 89.2/52$

-0.109 ± 0.029 $\chi^2/\text{NDF}: 38.7/27$

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.114 ± 0.030 χ^2/NDF : 3.4/8

Right Out: -0.061 ± 0.034 χ^2/NDF : 23.1/18

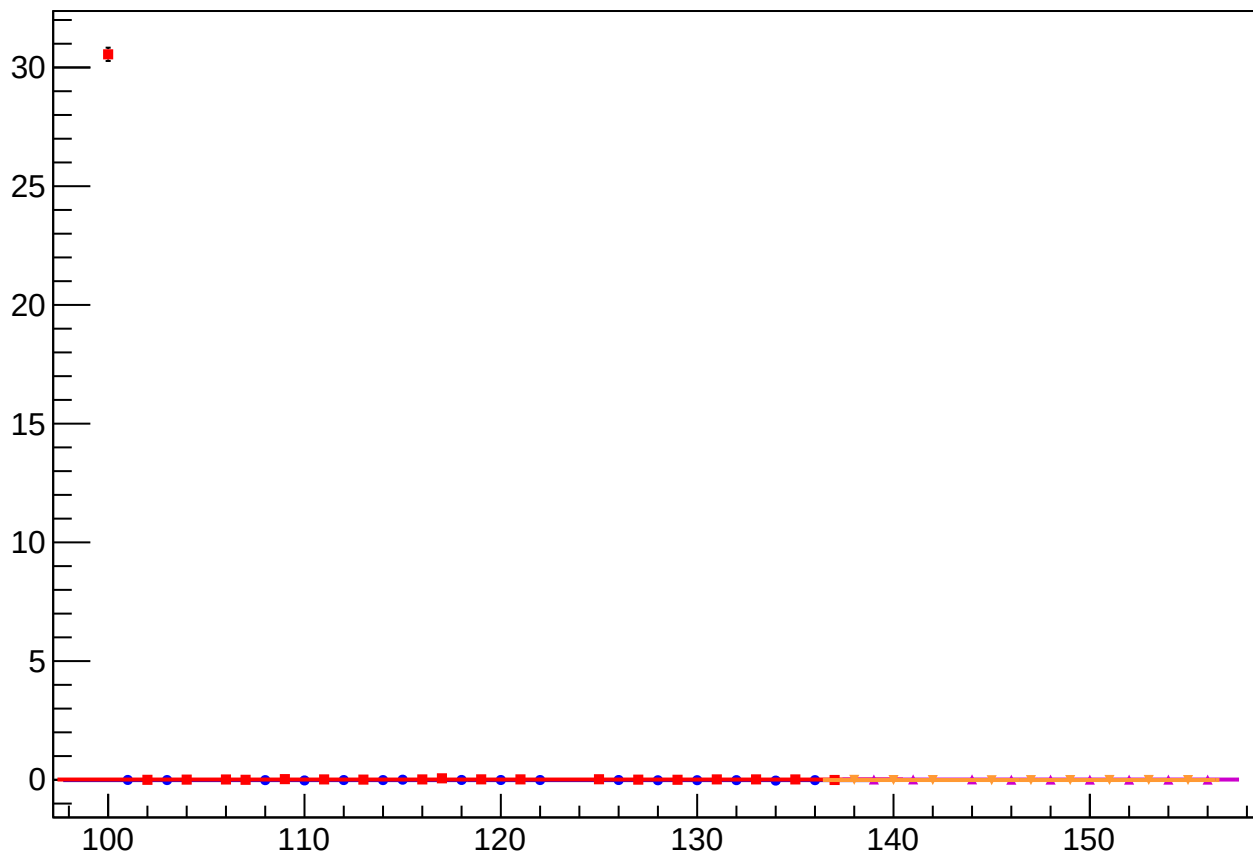
Left In: -0.047 ± 0.030 χ^2/NDF : 10.9/8

0.055 ± 0.022 χ^2/NDF : 25.1/24

0.001 ± 0.016 χ^2/NDF : 71.0/52

-0.053 ± 0.022 χ^2/NDF : 34.1/27

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 ± 0.002 χ^2/NDF : 12.8/15

Left Out: -0.009 ± 0.001 χ^2/NDF : 8.2/8

Right Out: 0.012 ± 0.002 χ^2/NDF : 11894.0/18

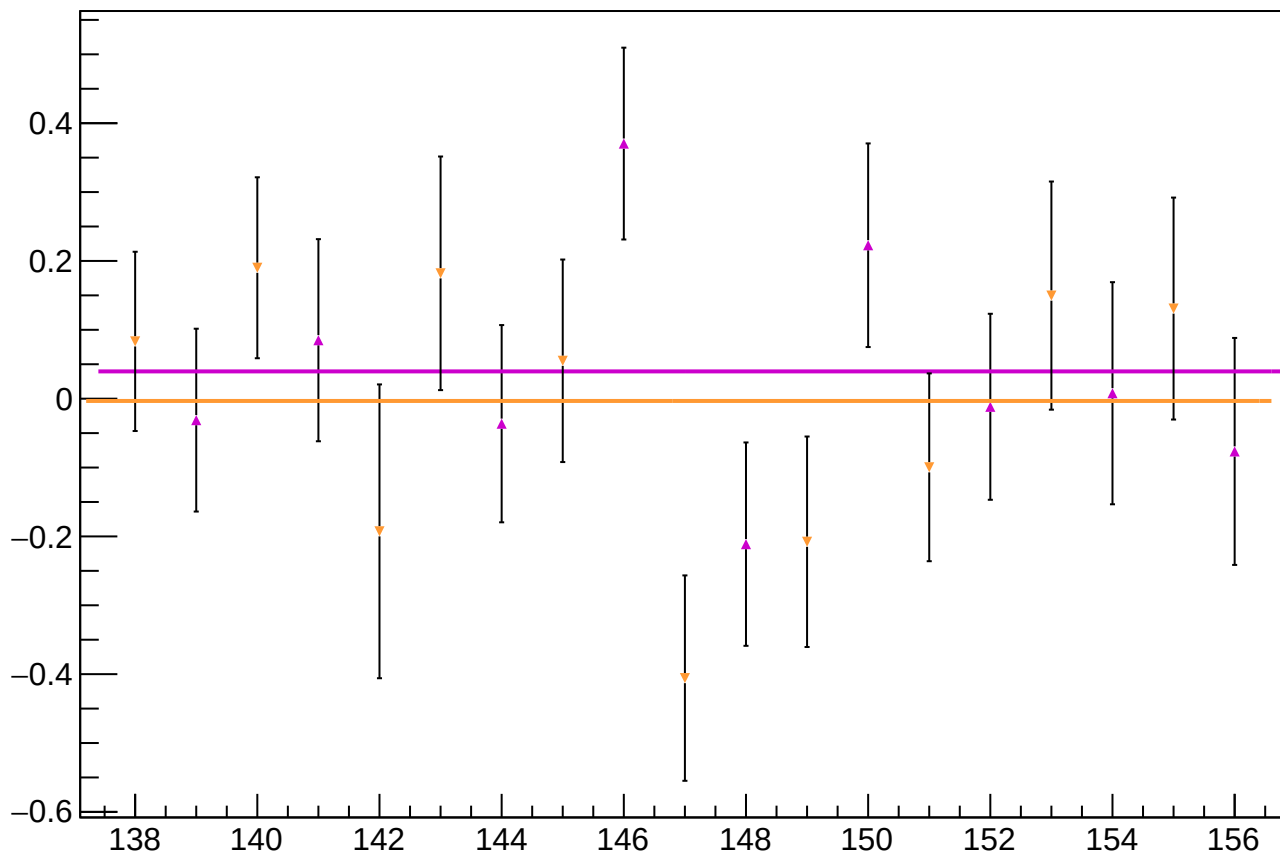
Left In: 0.011 ± 0.001 χ^2/NDF : 8.3/8

-0.010 ± 0.001 χ^2/NDF : 22.8/24

0.001 ± 0.001 χ^2/NDF : 12116.5/52

0.012 ± 0.001 χ^2/NDF : 11902.5/27

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.003+/-0.048 χ^2/NDF : 15.9/9

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

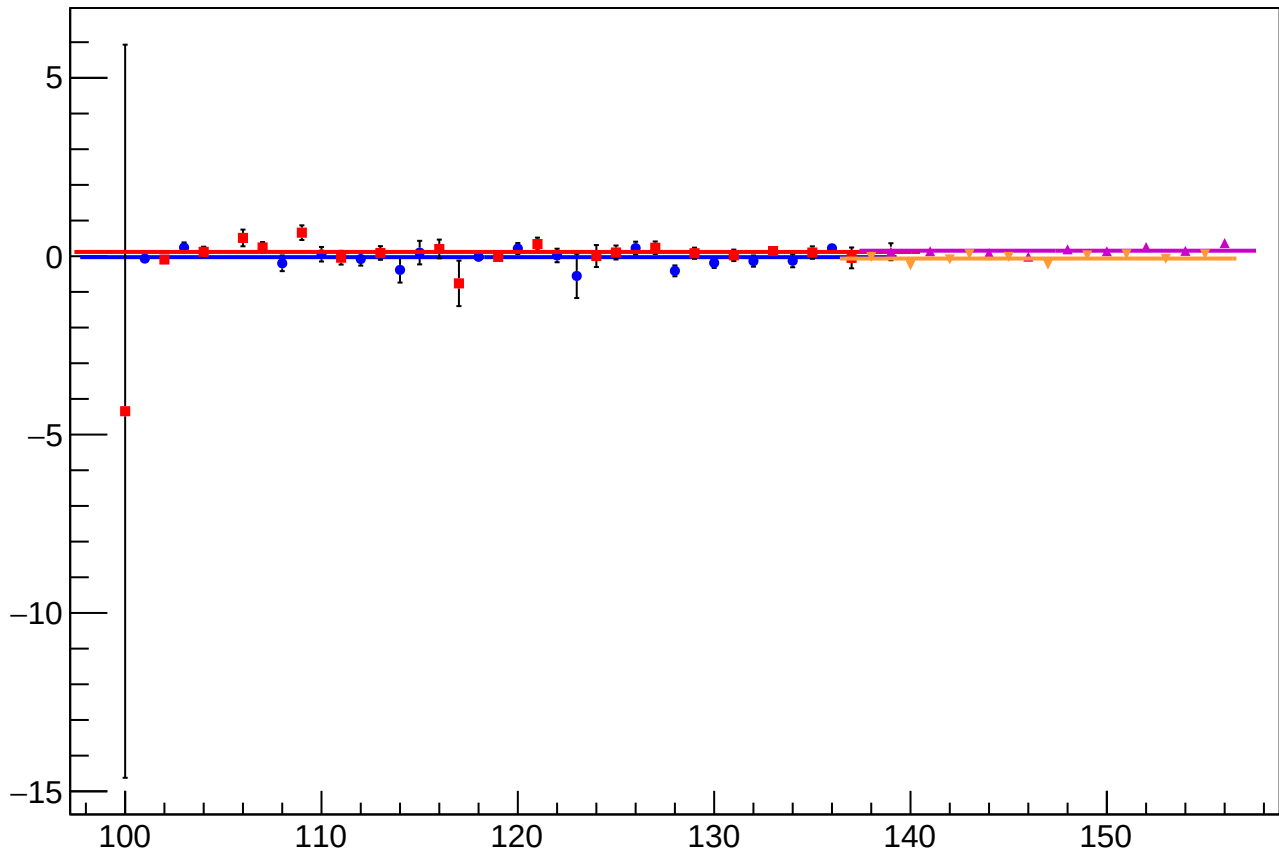
Left In: 0.040+/-0.048 χ^2/NDF : 11.4/8

-0.003+/-0.048 χ^2/NDF : 15.9/9

0.018+/-0.034 χ^2/NDF : 27.7/18

0.040+/-0.048 χ^2/NDF : 11.4/8

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.026 ± 0.037 χ^2/NDF : 22.7/16

Left Out: -0.065 ± 0.032 χ^2/NDF : 14.1/9

Right Out: 0.120 ± 0.039 χ^2/NDF : 20.2/19

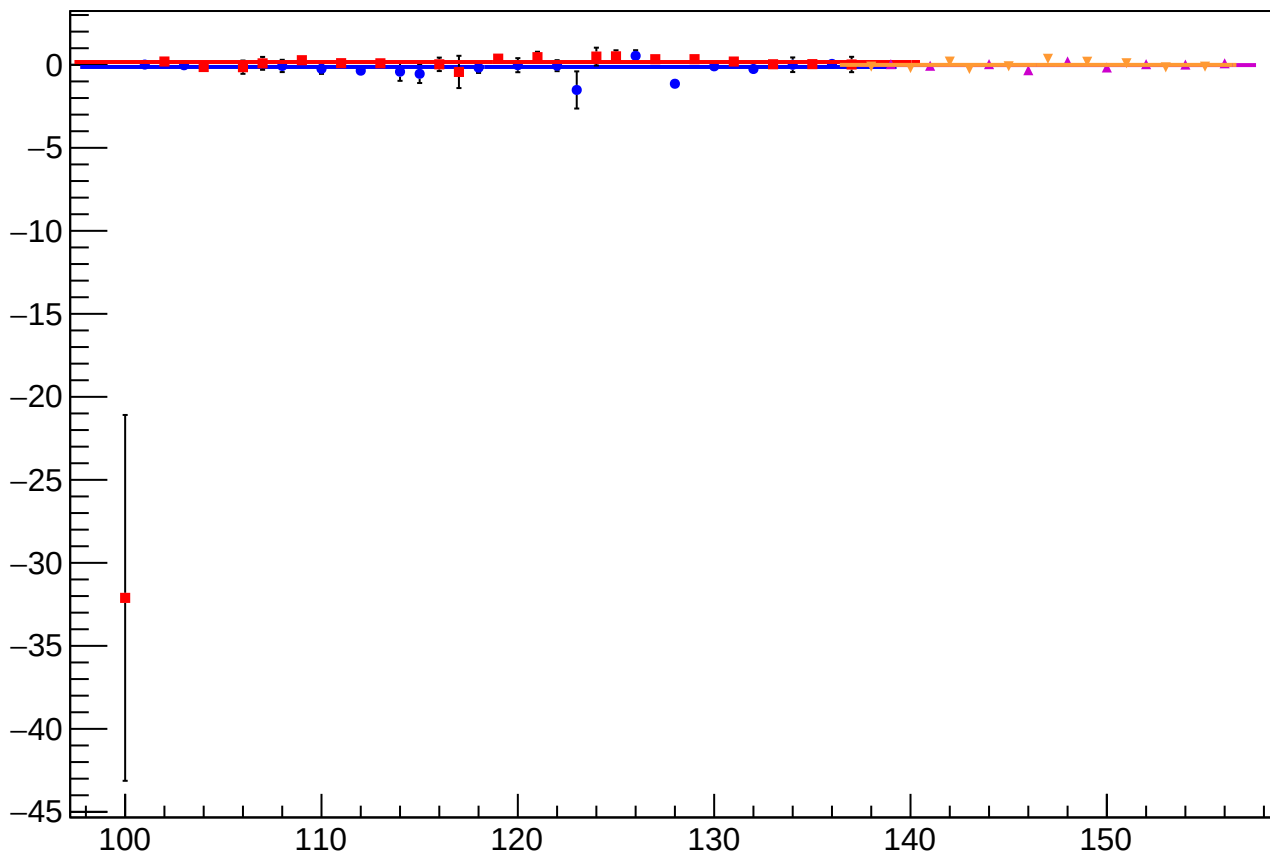
Left In: 0.155 ± 0.033 χ^2/NDF : 9.5/8

-0.048 ± 0.024 χ^2/NDF : 37.5/26

0.042 ± 0.018 χ^2/NDF : 96.1/55

0.140 ± 0.025 χ^2/NDF : 30.2/28

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.129 ± 0.067 χ^2/NDF : 23.1/16

Left Out: -0.003 ± 0.048 χ^2/NDF : 16.0/9

Right Out: 0.169 ± 0.071 χ^2/NDF : 15.3/19

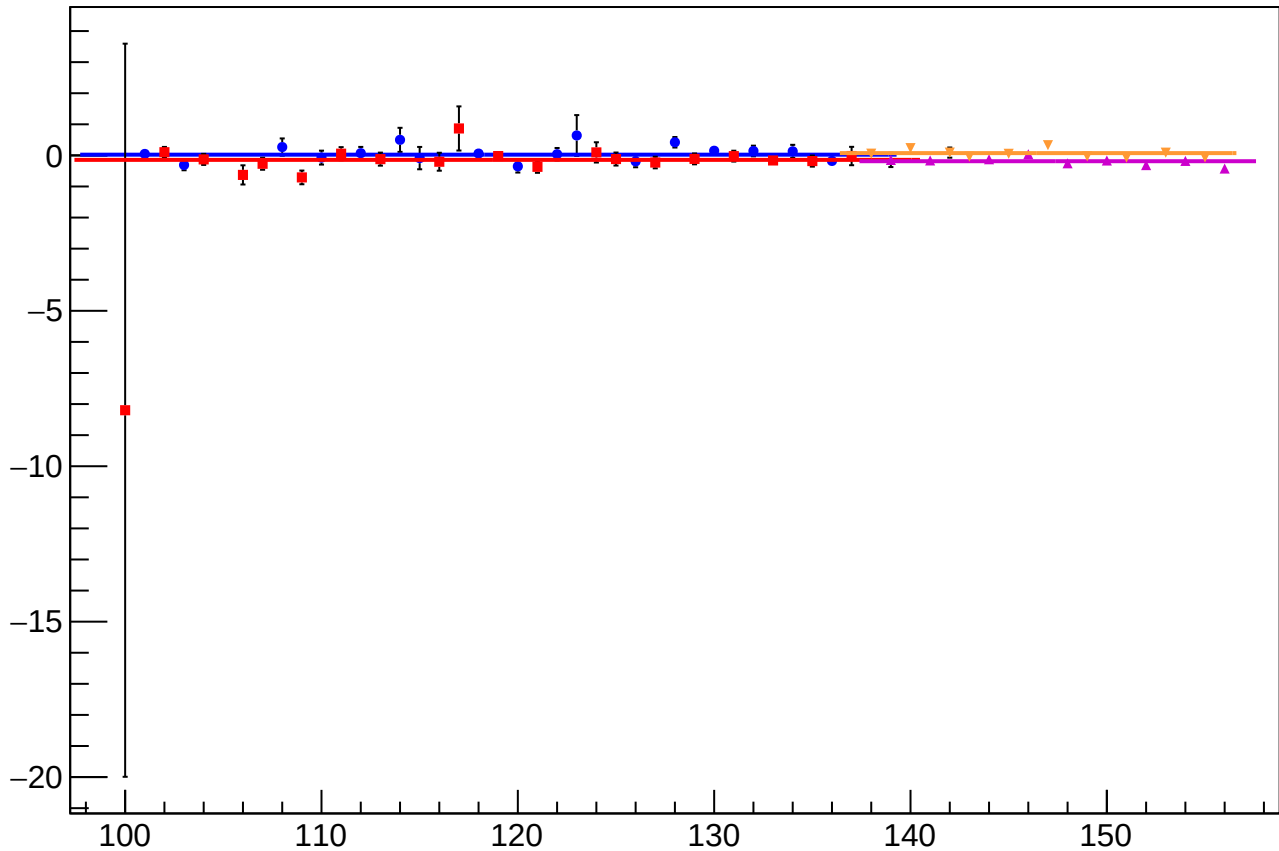
Left In: -0.016 ± 0.048 χ^2/NDF : 10.1/8

-0.045 ± 0.039 χ^2/NDF : 41.5/26

-0.002 ± 0.028 χ^2/NDF : 74.0/55

0.042 ± 0.040 χ^2/NDF : 30.1/28

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.023 $\pm$ 0.043 χ^2/NDF : 21.3/16

Left Out: 0.073 $\pm$ 0.040 χ^2/NDF : 13.1/9

Right Out: -0.144 $\pm$ 0.045 χ^2/NDF : 18.6/19

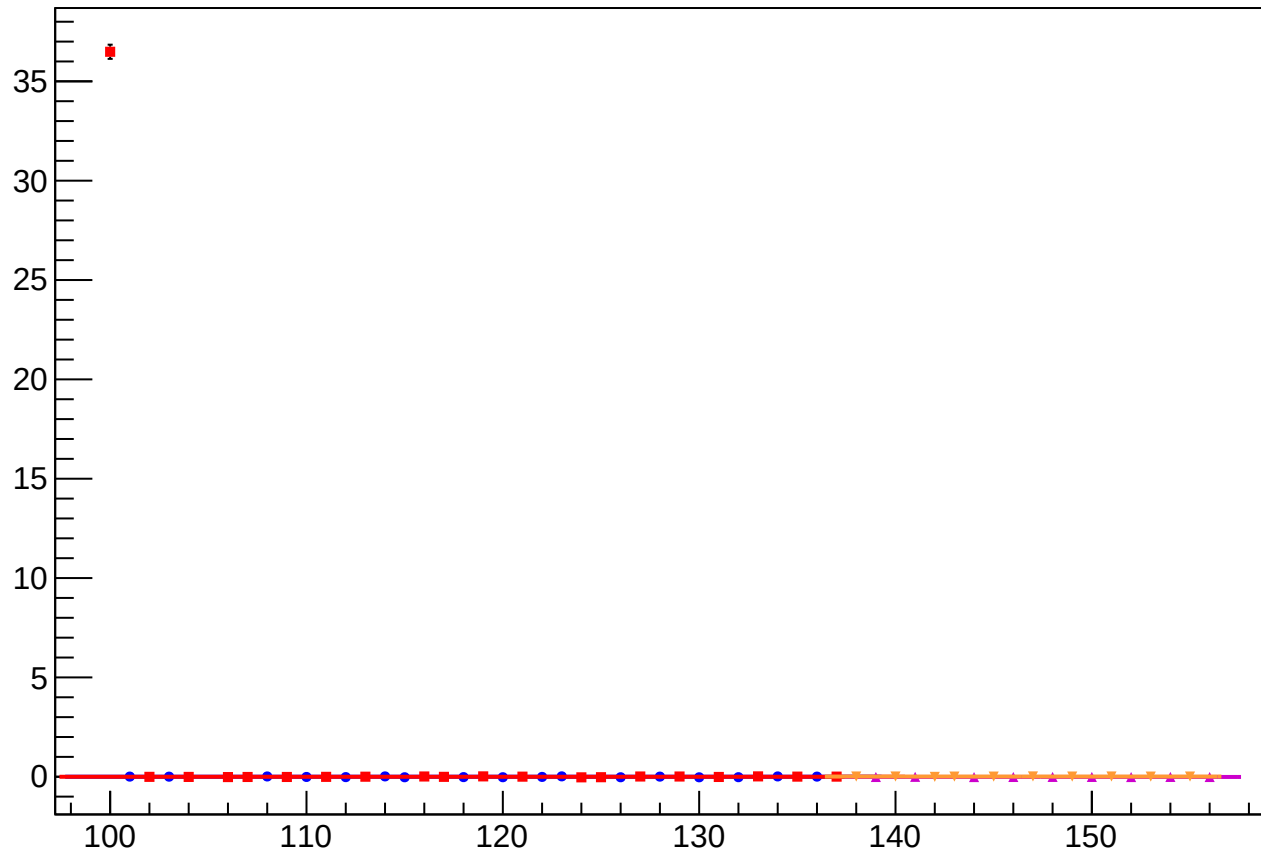
Left In: -0.187 $\pm$ 0.041 χ^2/NDF : 9.8/8

0.050 $\pm$ 0.029 χ^2/NDF : 35.2/26

-0.055 $\pm$ 0.021 χ^2/NDF : 91.0/55

-0.168 $\pm$ 0.030 χ^2/NDF : 28.9/28

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 30.6/16

Left Out: 0.010 $\pm$ 0.002 χ^2 /NDF: 4.6/9

Right Out: -0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/19

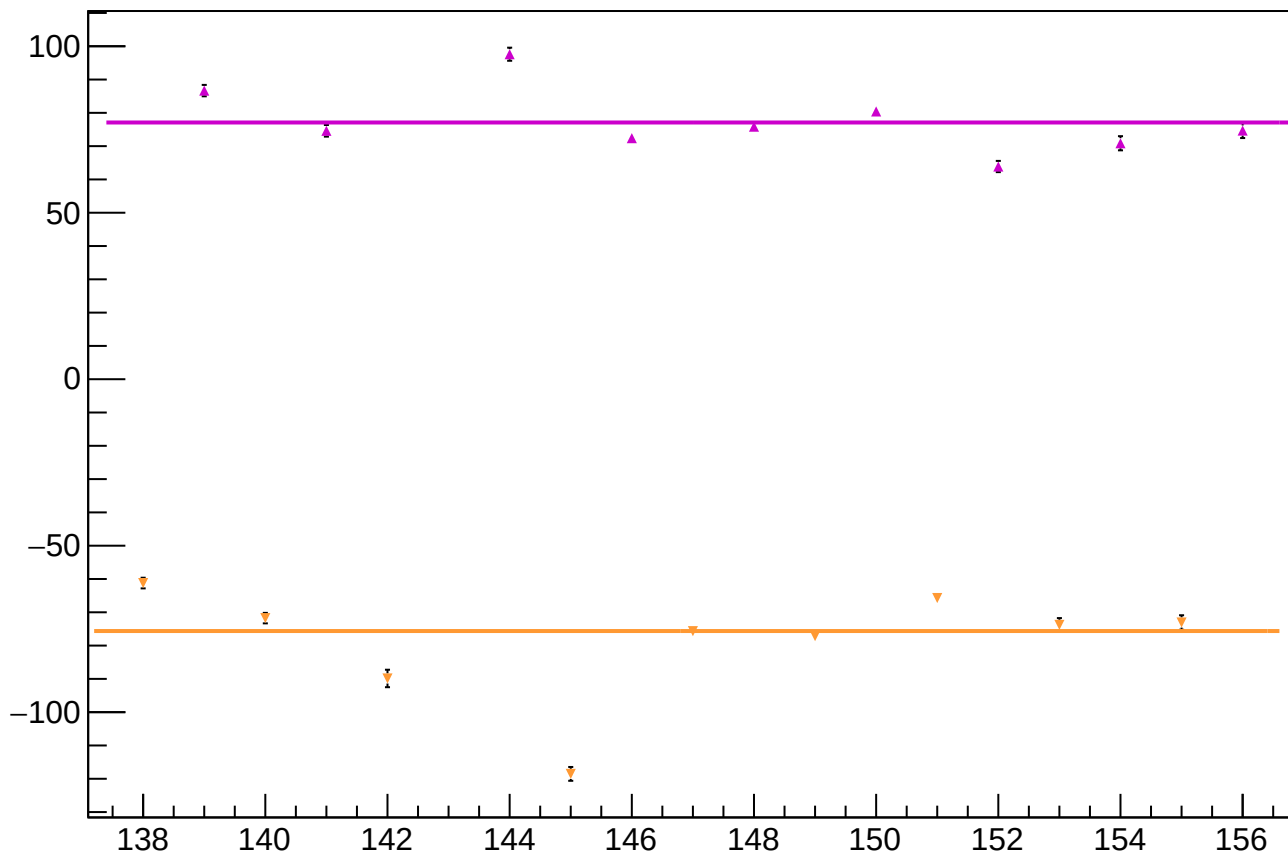
Left In: -0.010 $\pm$ 0.002 χ^2 /NDF: 3.0/8

0.006 $\pm$ 0.001 χ^2 /NDF: 43.7/26

-0.000 $\pm$ 0.001 χ^2 /NDF: 10544.6/55

-0.007 $\pm$ 0.001 χ^2 /NDF: 10462.1/28

reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -75.630+/-0.570 χ^2/NDF : 592.8/8

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

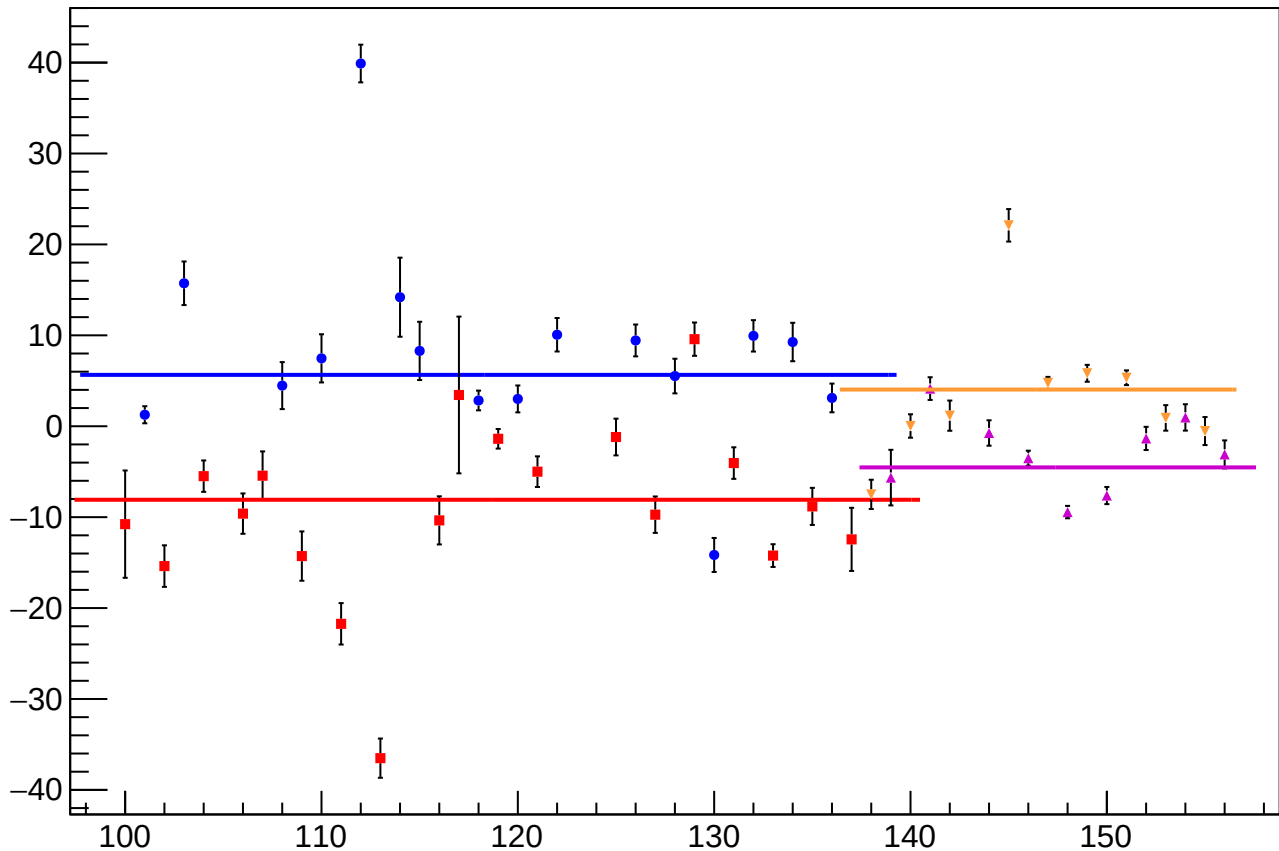
Left In: 77.101+/-0.559 χ^2/NDF : 230.5/8

-75.630+/-0.570 χ^2/NDF : 592.8/8

2.229+/-0.399 χ^2/NDF : 37475.3/17

77.101+/-0.559 χ^2/NDF : 230.5/8

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.651 ± 0.429 χ^2/NDF : 461.9/15

Left Out: 4.710 ± 0.277 χ^2/NDF : 657.3/24

4.710 ± 0.277 χ^2/NDF : 657.3/24

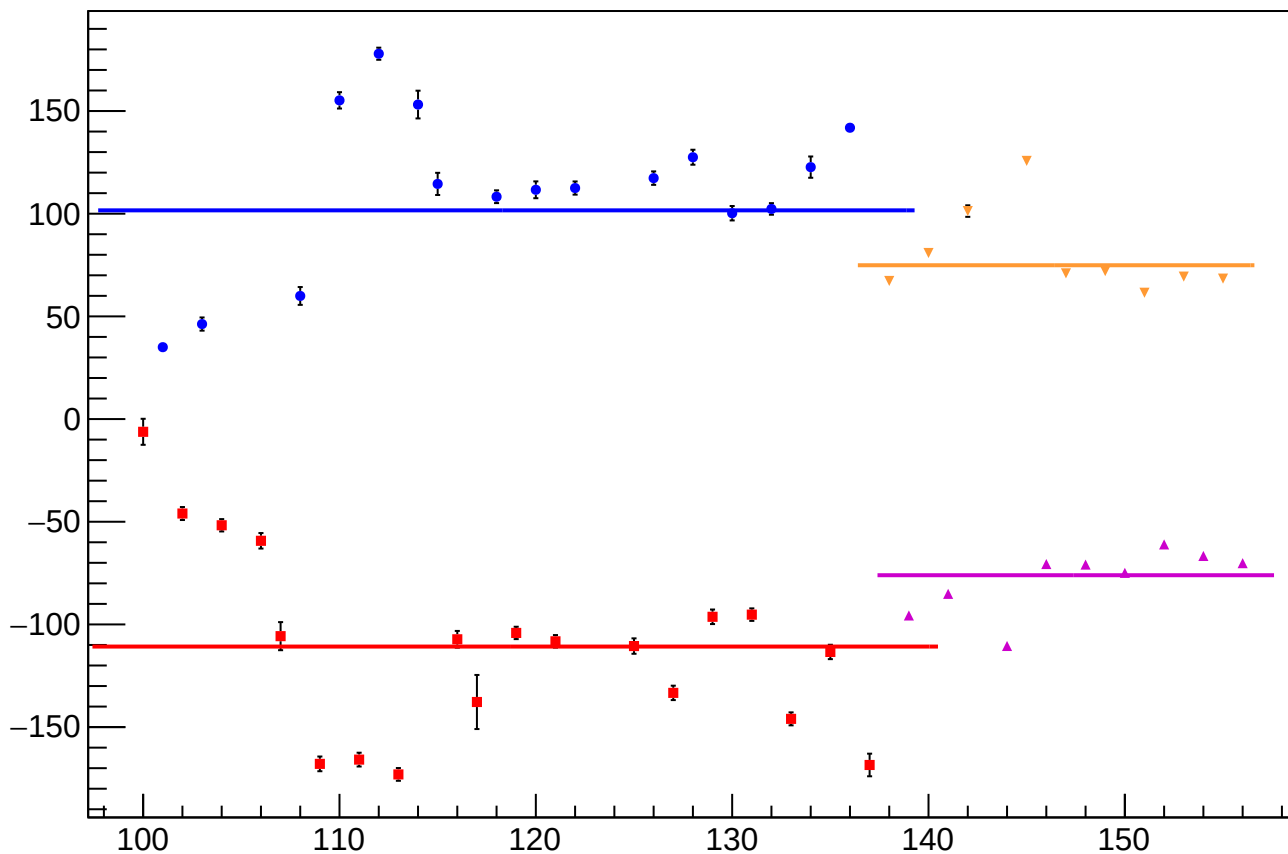
-0.485 ± 0.198 χ^2/NDF : 1965.0/52

Right Out: -8.087 ± 0.452 χ^2/NDF : 409.7/18

-5.931 ± 0.284 χ^2/NDF : 588.6/27

Left In: -4.526 ± 0.365 χ^2/NDF : 141.4/8

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 101.630 $\pm$ 0.812 χ^2/NDF : 2980.2/15

Left Out: 74.901 $\pm$ 0.559 χ^2/NDF : 800.8/8

Right Out: -110.778 $\pm$ 0.834 χ^2/NDF : 2518.3/18

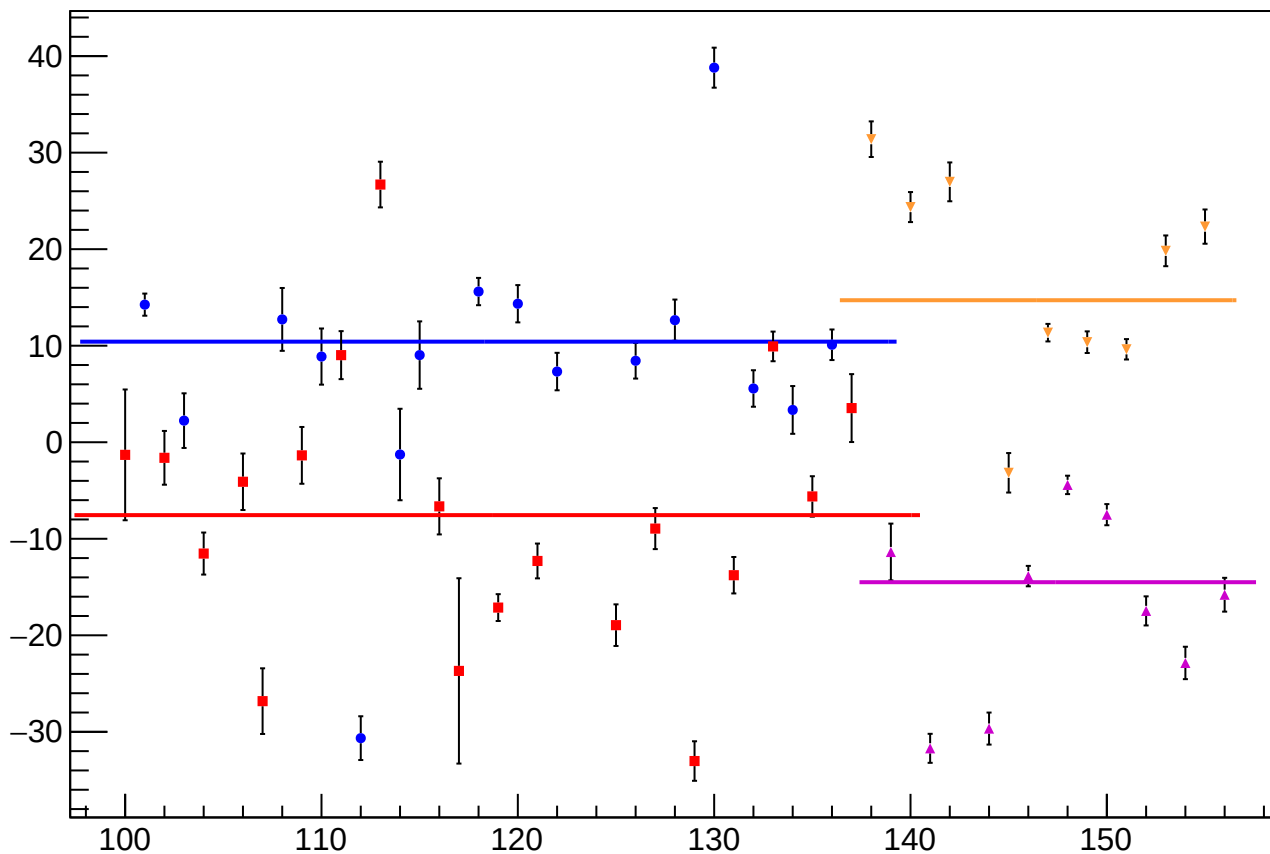
Left In: -76.038 $\pm$ 0.544 χ^2/NDF : 552.4/8

83.491 $\pm$ 0.460 χ^2/NDF : 4516.2/24

-2.272 $\pm$ 0.324 χ^2/NDF : 77558.1/52

-86.412 $\pm$ 0.456 χ^2/NDF : 4286.4/27

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.420 ± 0.497 χ^2/NDF : 579.7/15

Left Out: 14.711 ± 0.456 χ^2/NDF : 314.4/8

Right Out: -7.550 ± 0.522 χ^2/NDF : 692.3/18

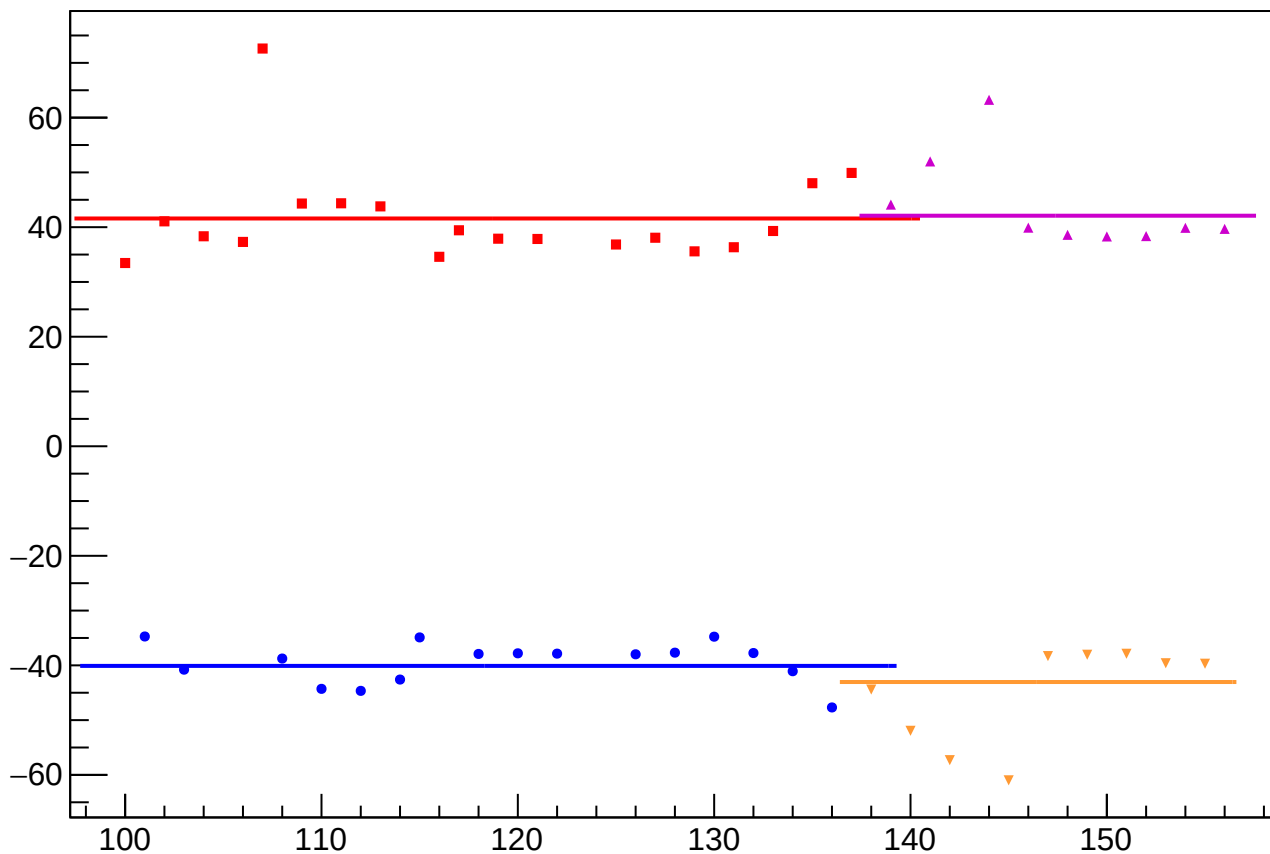
Left In: -14.499 ± 0.453 χ^2/NDF : 398.0/8

12.751 ± 0.336 χ^2/NDF : 934.6/24

0.839 ± 0.240 χ^2/NDF : 4684.5/52

-11.516 ± 0.342 χ^2/NDF : 1191.2/27

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.098 ± 0.028 χ^2/NDF : 25073.4/15

Left Out: -43.042 ± 0.023 χ^2/NDF : 100604.3/8

Right Out: 41.588 ± 0.029 χ^2/NDF : 61690.5/18

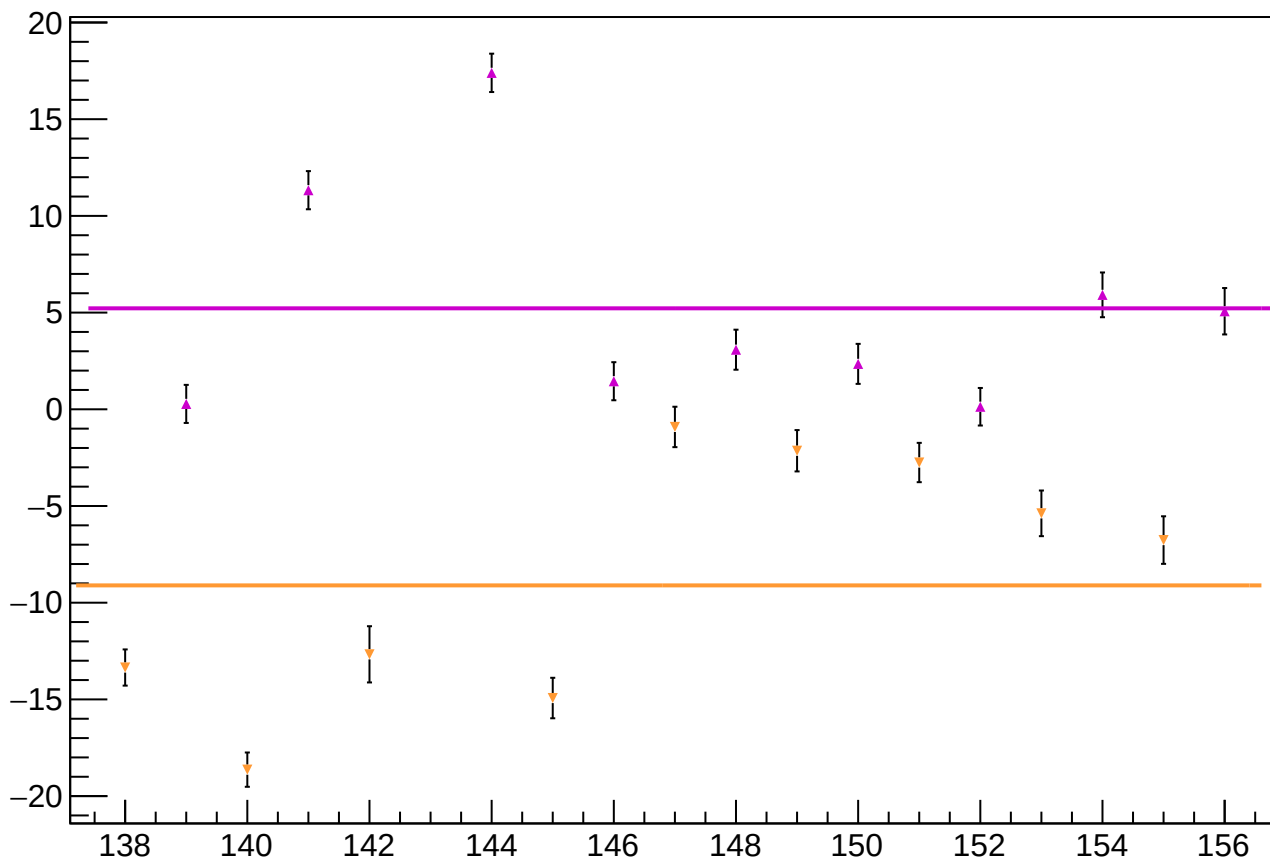
Left In: 42.094 ± 0.022 χ^2/NDF : 86143.2/8

-41.862 ± 0.018 χ^2/NDF : 132150.6/24

1.287 ± 0.012 χ^2/NDF : 11521188.5/52

41.906 ± 0.017 χ^2/NDF : 148031.2/27

reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -9.105 $\pm$ 0.355 χ^2 /NDF: 329.6/8

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

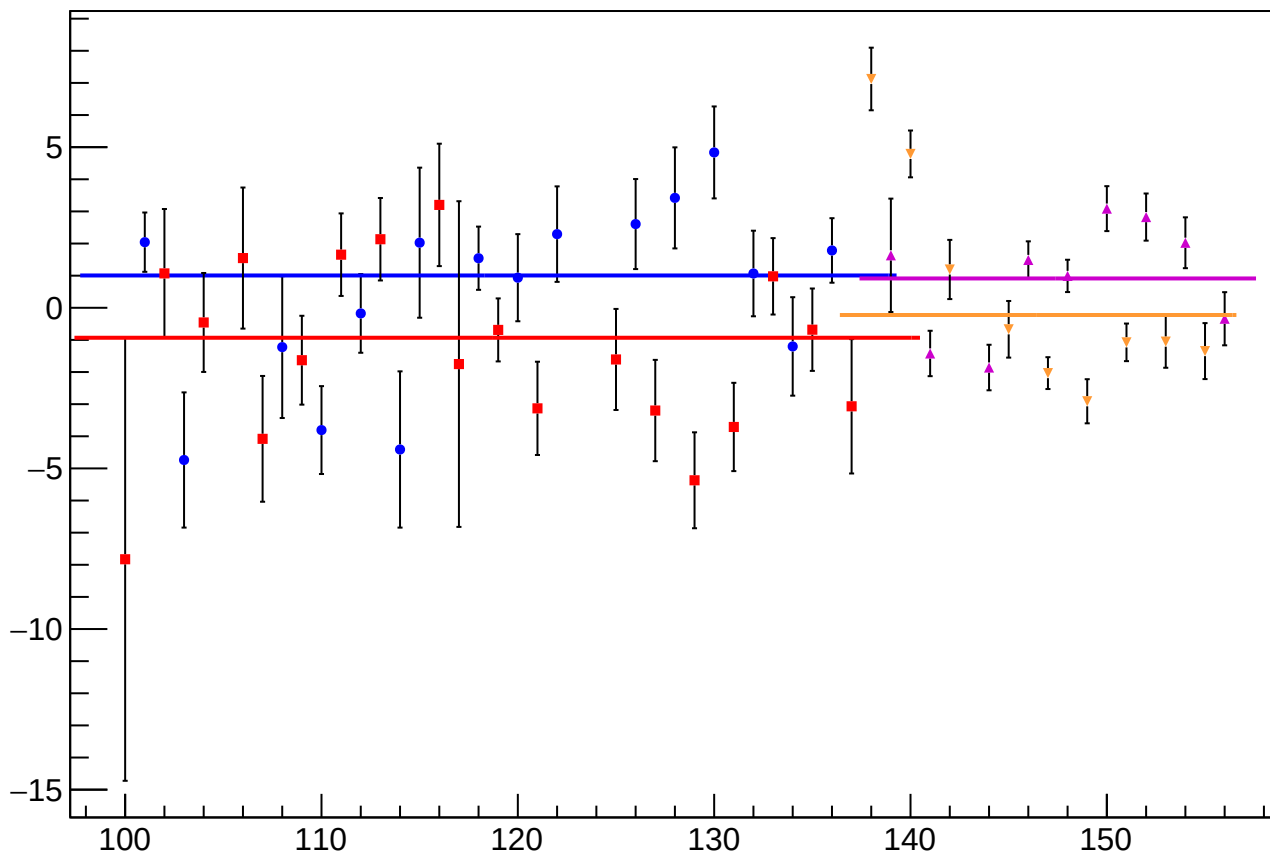
Left In: 5.221 $\pm$ 0.343 χ^2 /NDF: 268.7/8

-9.105 $\pm$ 0.355 χ^2 /NDF: 329.6/8

-1.707 $\pm$ 0.247 χ^2 /NDF: 1439.6/17

5.221 $\pm$ 0.343 χ^2 /NDF: 268.7/8

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.006 ± 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

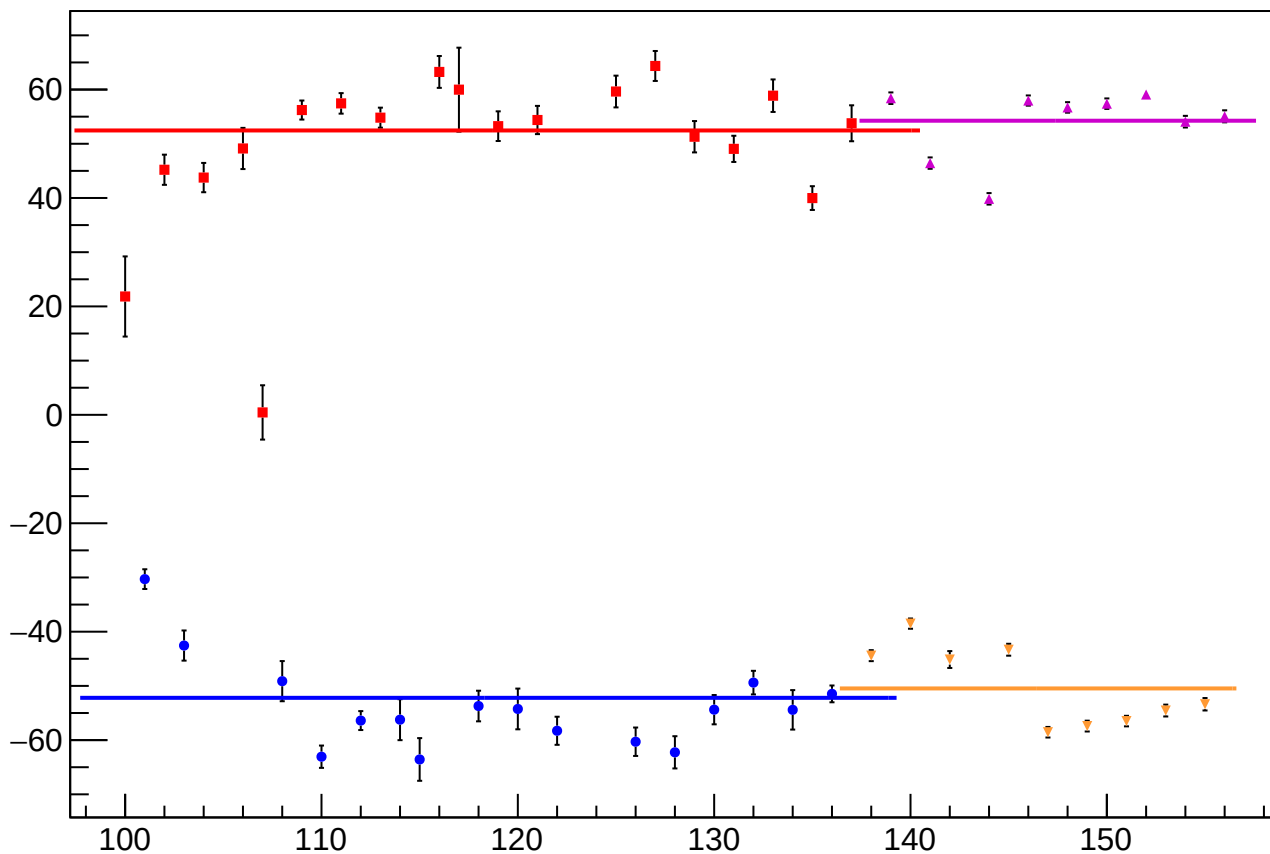
Left In: 0.913 ± 0.234 χ^2/NDF : 48.1/8

0.183 ± 0.196 χ^2/NDF : 191.6/24

0.265 ± 0.138 χ^2/NDF : 301.0/52

0.347 ± 0.195 χ^2/NDF : 109.0/27

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.200 ± 0.615 χ^2/NDF : 230.6/15

Left Out: -50.469 ± 0.353 χ^2/NDF : 425.1/8

Right Out: 52.455 ± 0.614 χ^2/NDF : 234.8/18

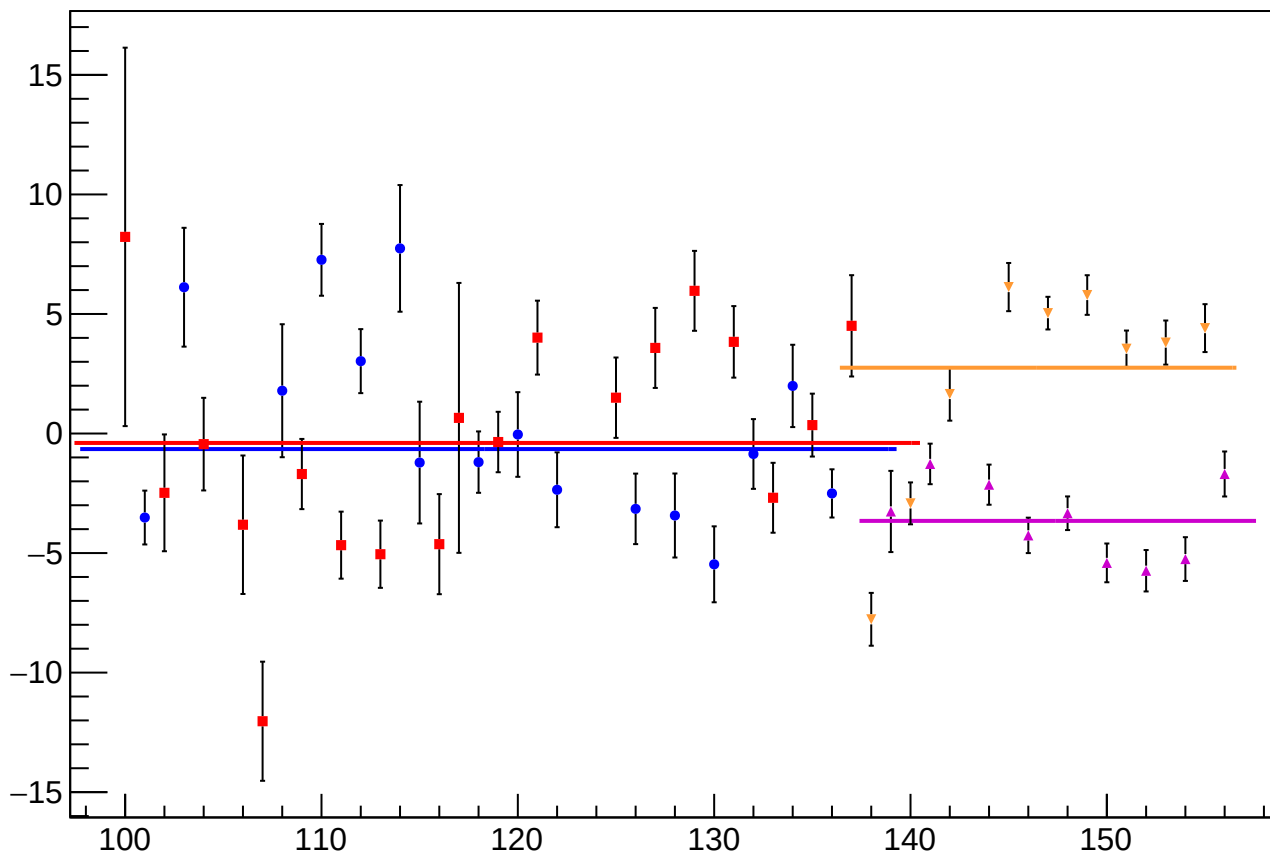
Left In: 54.251 ± 0.338 χ^2/NDF : 315.2/8

-50.898 ± 0.306 χ^2/NDF : 661.7/24

3.214 ± 0.213 χ^2/NDF : 61739.6/52

53.833 ± 0.296 χ^2/NDF : 556.7/27

reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.651 ± 0.387 χ^2/NDF : 81.9/15

Left Out: 2.753 ± 0.296 χ^2/NDF : 174.5/8

Right Out: -0.394 ± 0.398 χ^2/NDF : 95.9/18

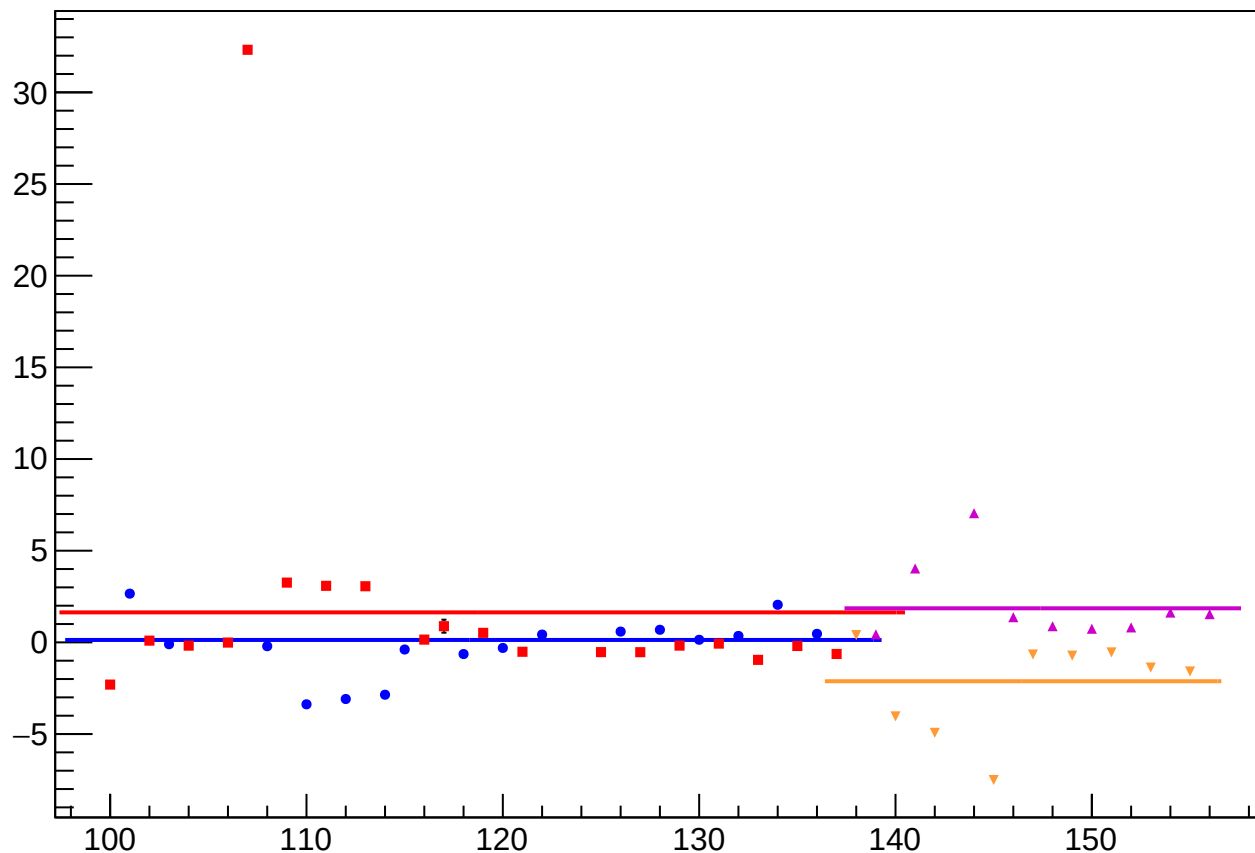
Left In: -3.654 ± 0.287 χ^2/NDF : 30.0/8

1.496 ± 0.235 χ^2/NDF : 305.2/24

-0.545 ± 0.165 χ^2/NDF : 624.4/52

-2.543 ± 0.233 χ^2/NDF : 170.0/27

reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.132 ± 0.022 $\chi^2/\text{NDF}: 5247.5/15$

Left Out: -2.120 ± 0.014 $\chi^2/\text{NDF}: 27776.6/8$

Right Out: 1.635 ± 0.022 $\chi^2/\text{NDF}: 77852.9/18$

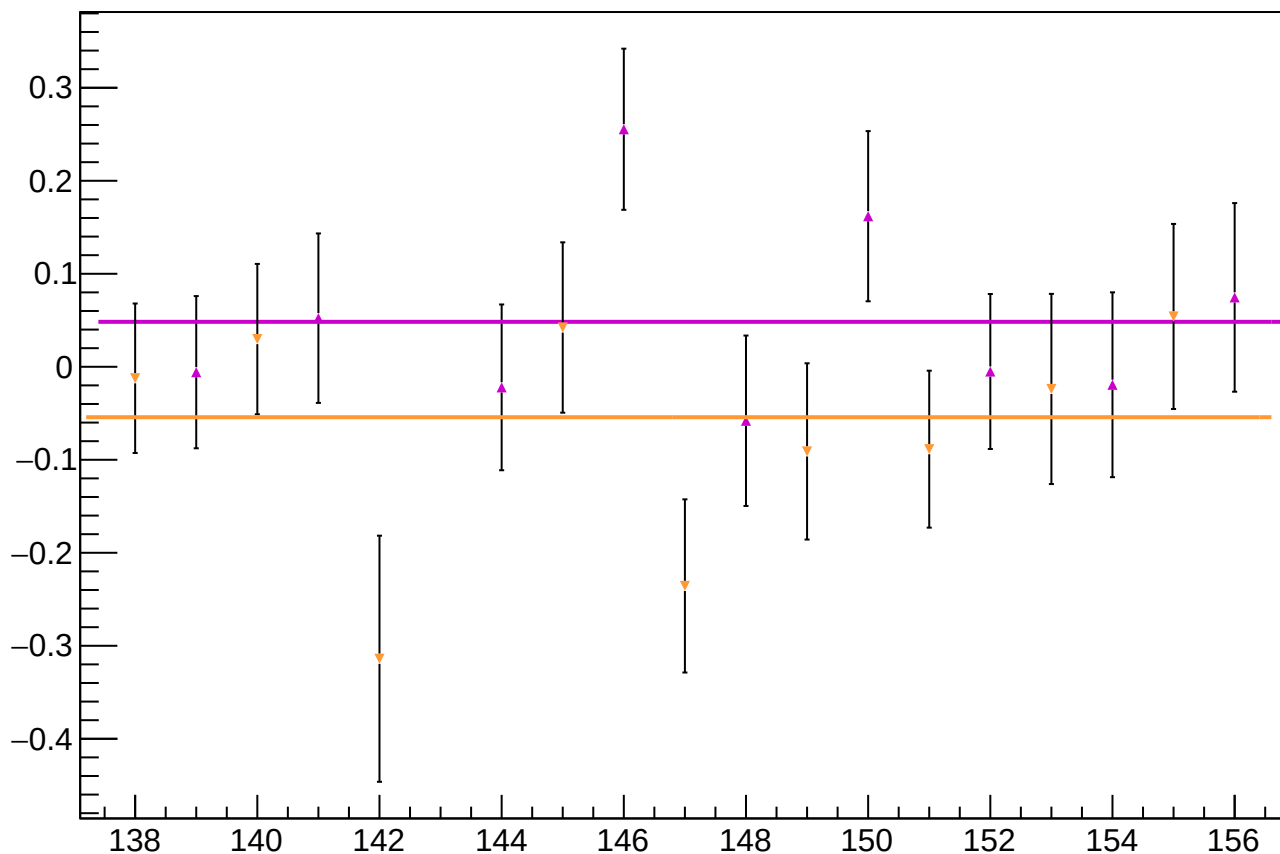
Left In: 1.858 ± 0.013 $\chi^2/\text{NDF}: 18903.0/8$

-1.431 ± 0.012 $\chi^2/\text{NDF}: 40596.2/24$

0.256 ± 0.008 $\chi^2/\text{NDF}: 175755.1/52$

1.797 ± 0.011 $\chi^2/\text{NDF}: 96831.7/27$

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

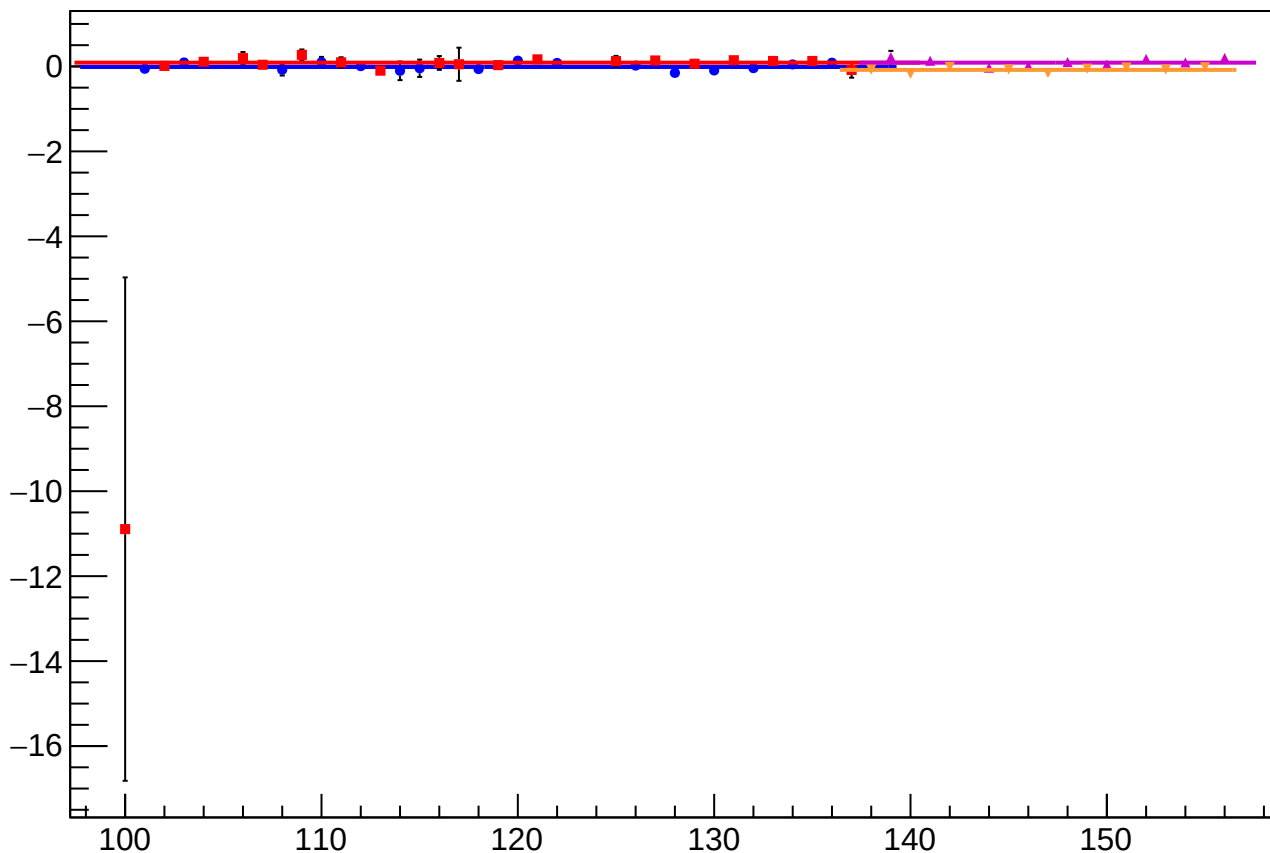
Left In: 0.048+/-0.030 χ^2/NDF :10.6/8

-0.054+/-0.031 χ^2/NDF : 11.7/8

-0.001+/-0.022 χ^2/NDF : 28.0/17

0.048+/-0.030 χ^2/NDF : 10.6/8

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.023 χ^2/NDF : 11.7/15

Left Out: -0.082 ± 0.021 χ^2/NDF : 7.9/8

Right Out: 0.089 ± 0.025 χ^2/NDF : 13.0/18

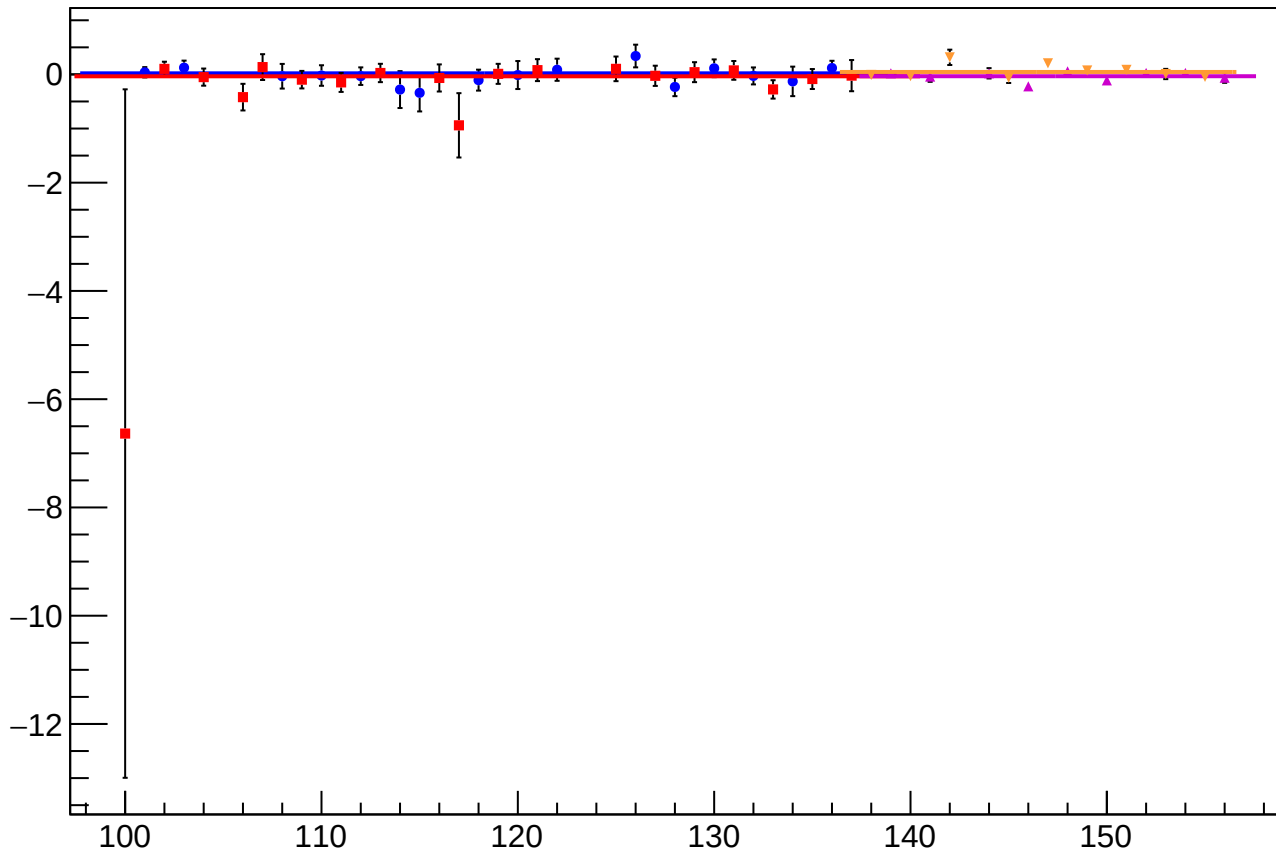
Left In: 0.089 ± 0.021 χ^2/NDF : 11.9/8

-0.051 ± 0.016 χ^2/NDF : 24.3/24

0.018 ± 0.011 χ^2/NDF : 88.9/52

0.089 ± 0.016 χ^2/NDF : 24.9/27

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.020 ± 0.043 χ^2/NDF : 9.1/15

Left Out: 0.045 ± 0.031 χ^2/NDF : 10.9/8

Right Out: -0.035 ± 0.045 χ^2/NDF : 11.6/18

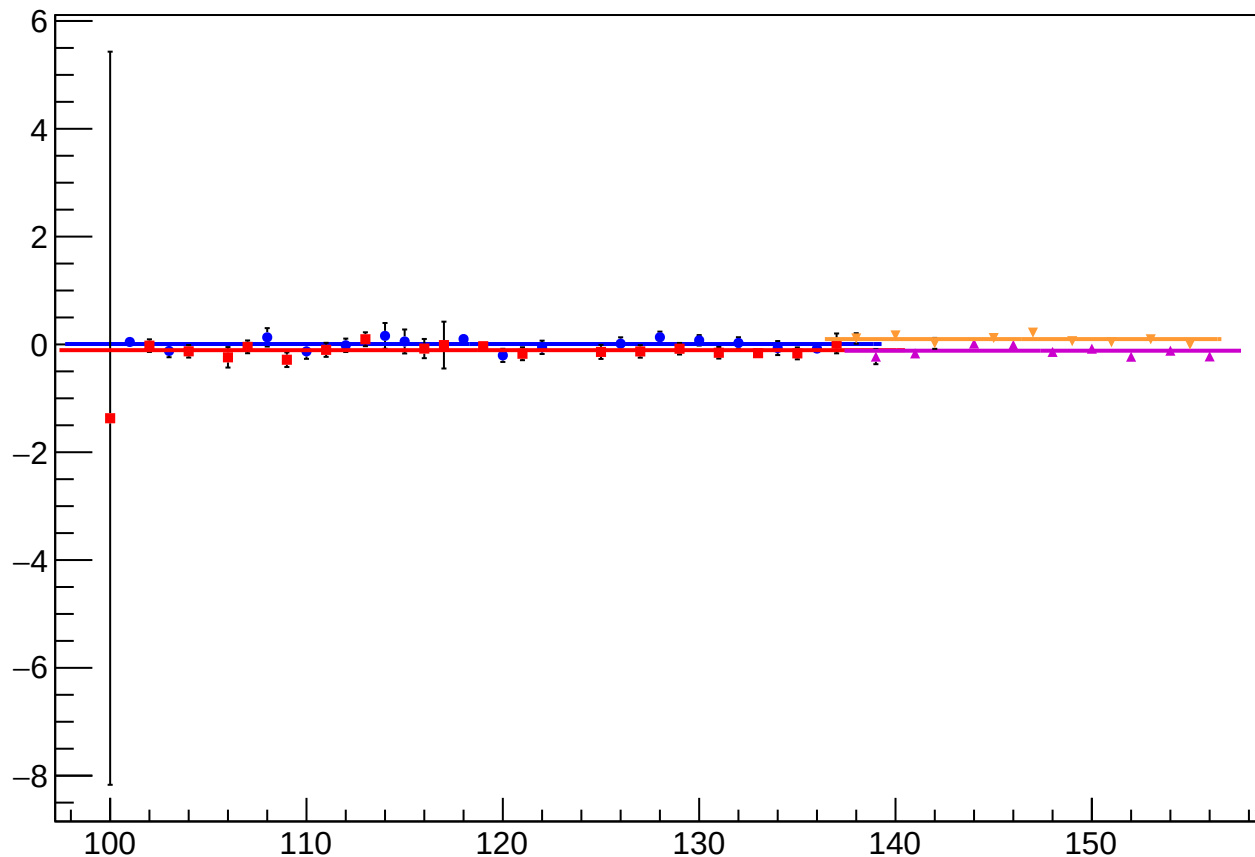
Left In: -0.033 ± 0.030 χ^2/NDF : 8.8/8

0.037 ± 0.025 χ^2/NDF : 20.3/24

0.001 ± 0.018 χ^2/NDF : 44.7/52

-0.034 ± 0.025 χ^2/NDF : 20.4/27

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.007 ± 0.027 χ^2/NDF : 11.3/15

Left Out: 0.099 ± 0.026 χ^2/NDF : 8.1/8

Right Out: -0.106 ± 0.029 χ^2/NDF : 8.2/18

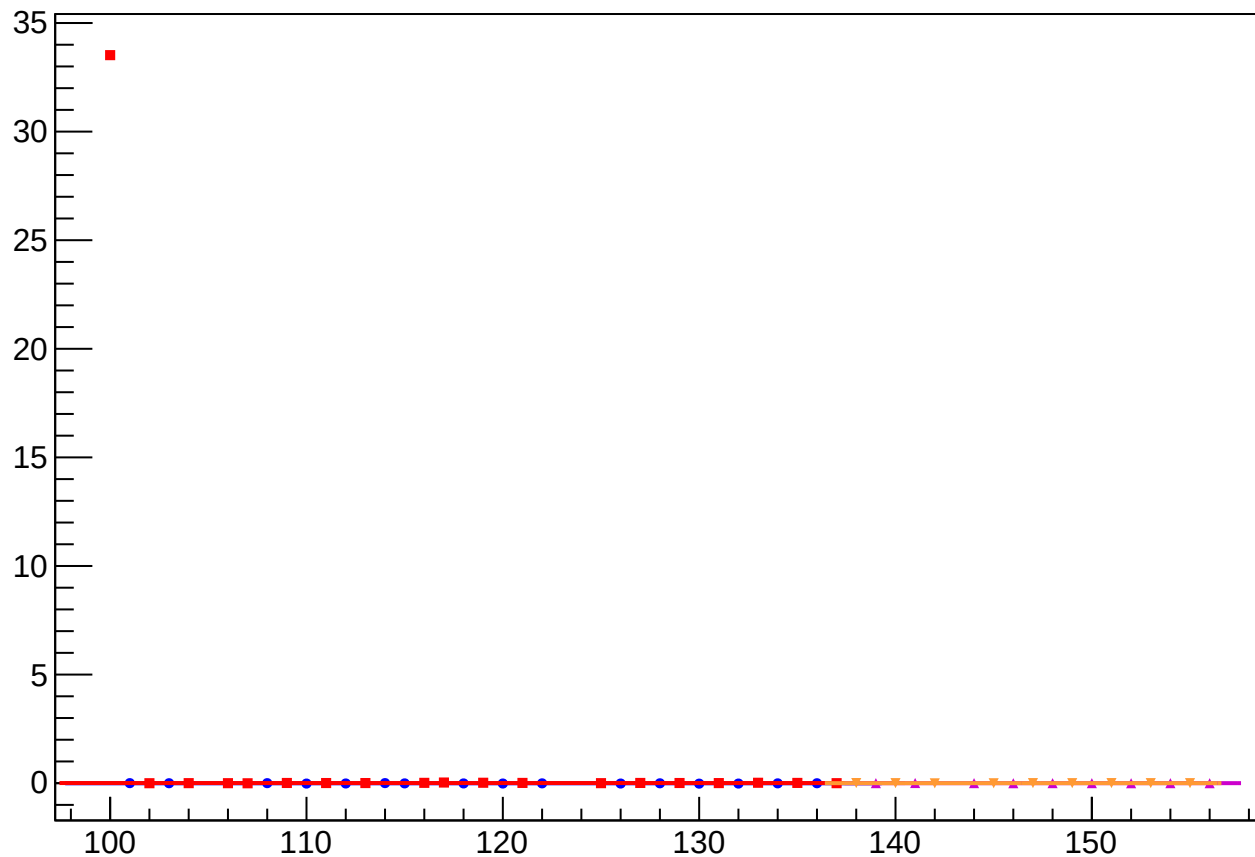
Left In: -0.117 ± 0.025 χ^2/NDF : 11.2/8

0.055 ± 0.019 χ^2/NDF : 25.3/24

-0.027 ± 0.013 χ^2/NDF : 84.5/52

-0.112 ± 0.019 χ^2/NDF : 19.5/27

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005 ± 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

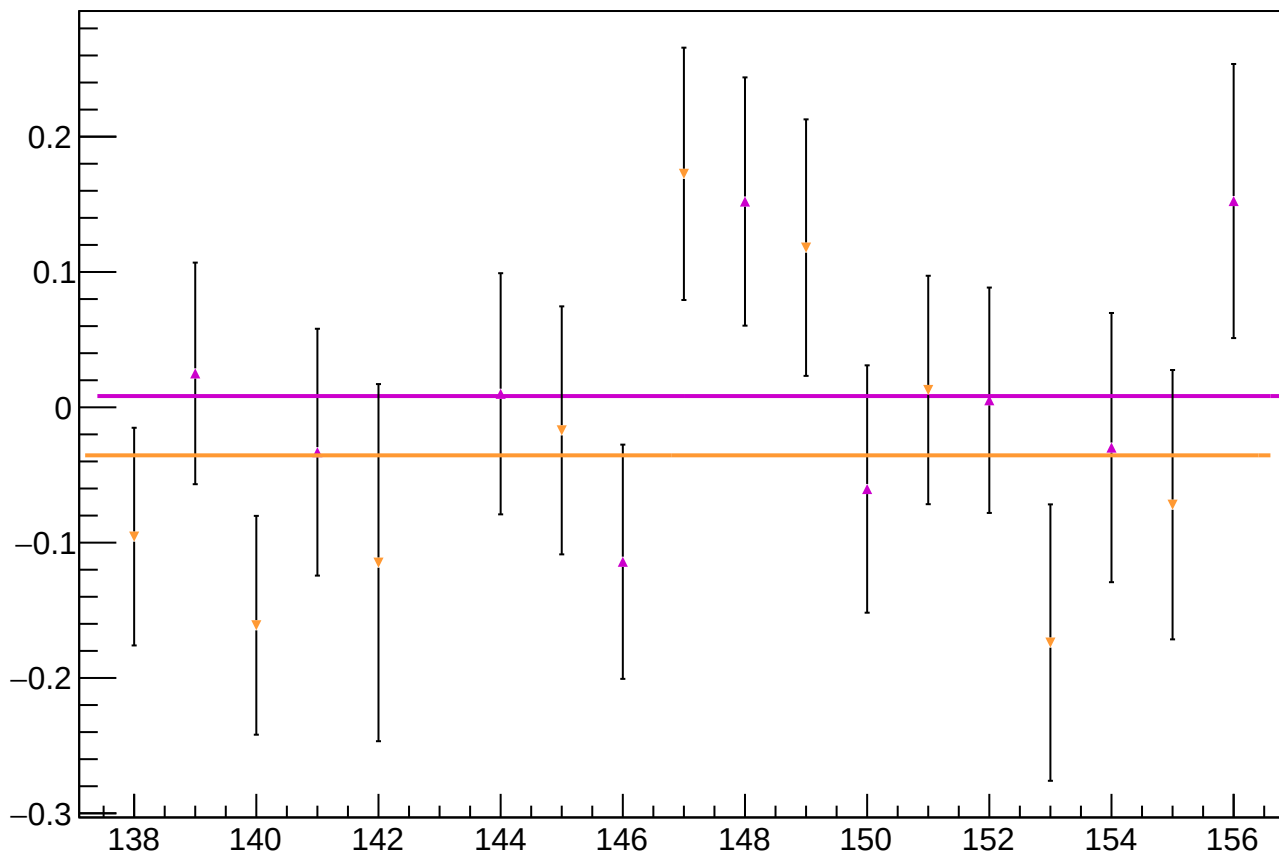
Left In: 0.001 ± 0.001 χ^2/NDF : 5.0/8

-0.002 ± 0.001 χ^2/NDF : 38.5/24

0.000 ± 0.001 χ^2/NDF : 26573.2/52

0.003 ± 0.001 χ^2/NDF : 26522.8/27

reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -0.035 $\pm$ 0.031 χ^2 /NDF:13.3/8

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

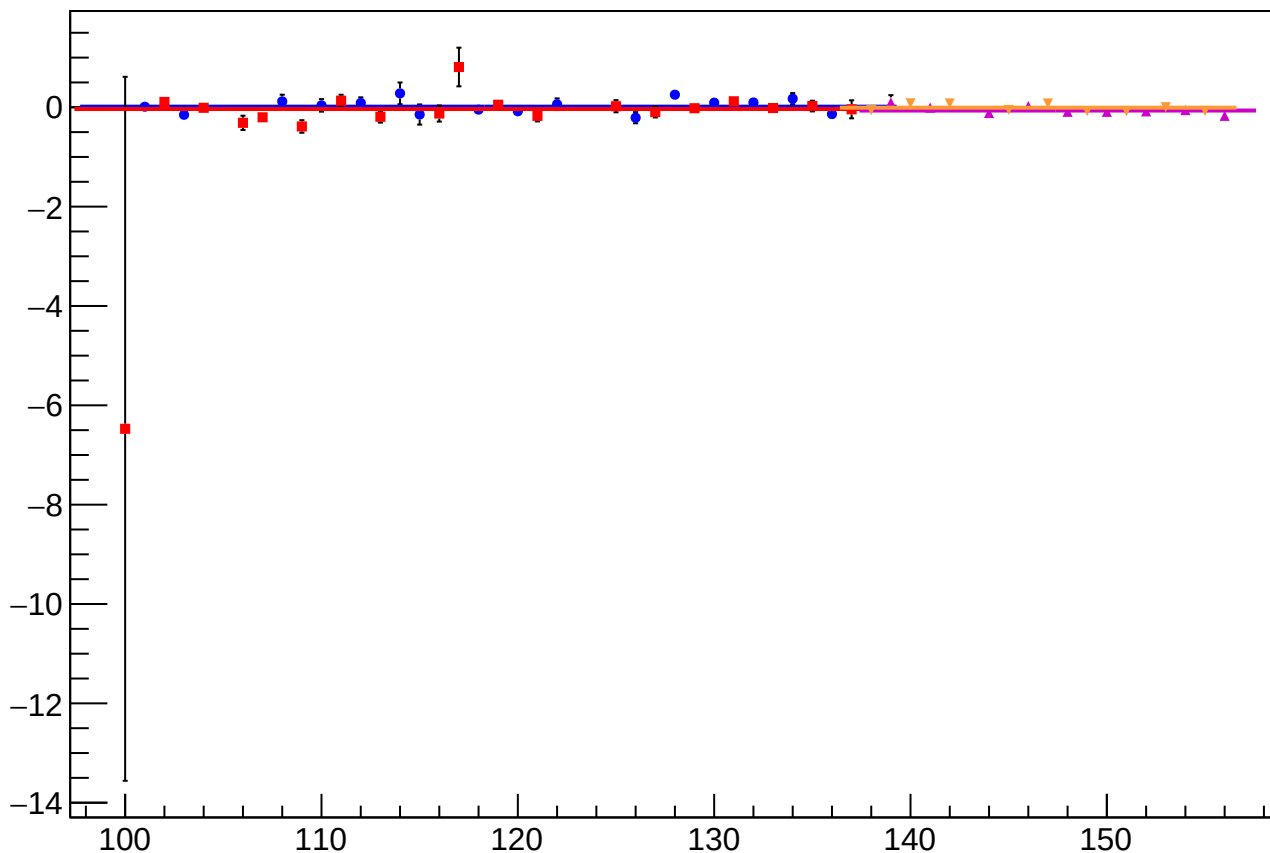
Left In: 0.008 $\pm$ 0.030 χ^2 /NDF:7.4/8

-0.035 $\pm$ 0.031 χ^2 /NDF: 13.3/8

-0.013 $\pm$ 0.022 χ^2 /NDF: 21.7/17

0.008 $\pm$ 0.030 χ^2 /NDF: 7.4/8

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.012 ± 0.023 χ^2/NDF : 25.0/15

Left Out: -0.008 ± 0.021 χ^2/NDF : 11.5/8

Right Out: -0.035 ± 0.025 χ^2/NDF : 33.2/18

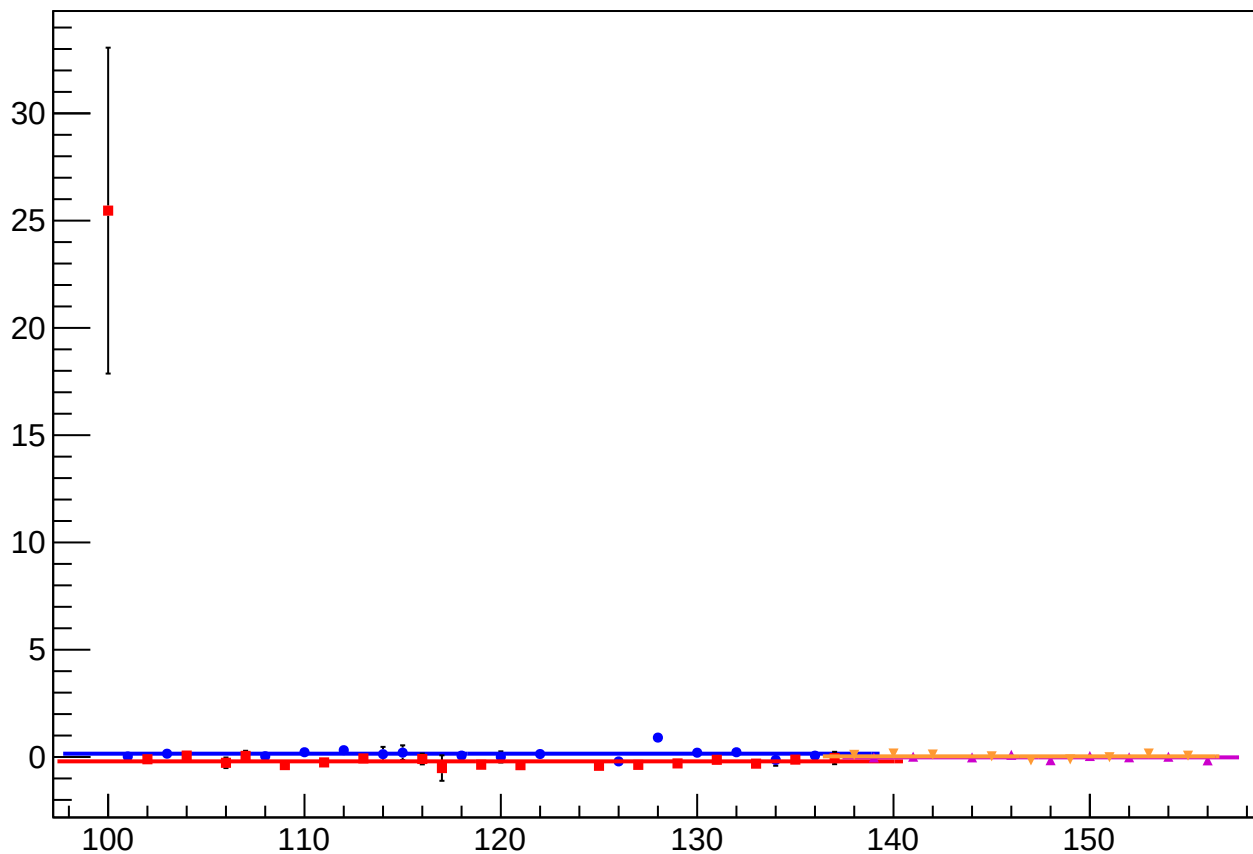
Left In: -0.066 ± 0.021 χ^2/NDF : 8.7/8

0.001 ± 0.016 χ^2/NDF : 36.9/24

-0.026 ± 0.011 χ^2/NDF : 85.6/52

-0.053 ± 0.016 χ^2/NDF : 42.8/27

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.154 ± 0.043 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

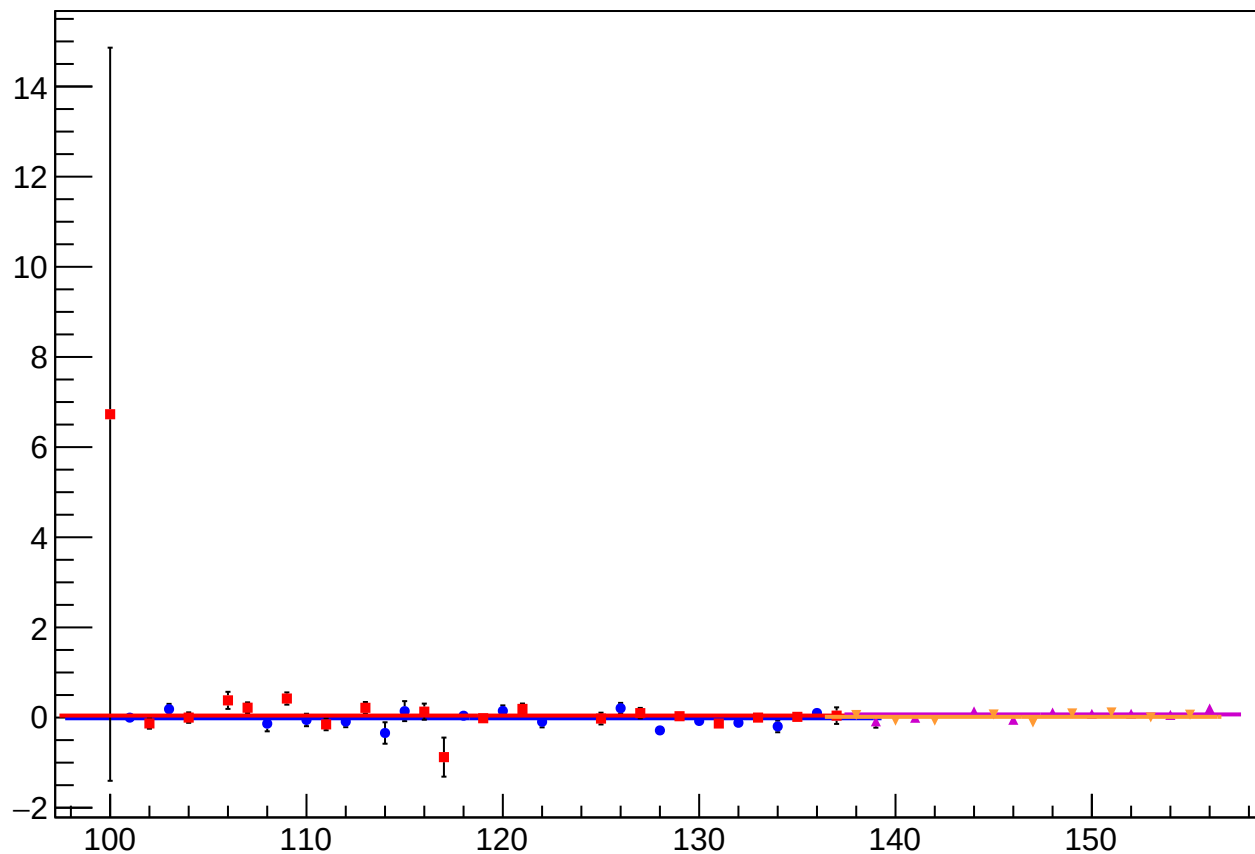
Left In: -0.017 ± 0.030 χ^2/NDF : 7.4/8

0.072 ± 0.025 χ^2/NDF : 46.5/24

-0.002 ± 0.018 χ^2/NDF : 105.9/52

-0.073 ± 0.025 χ^2/NDF : 42.2/27

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.016 ± 0.027 $\chi^2/\text{NDF}: 24.3/15$

Left Out: 0.016 ± 0.026 $\chi^2/\text{NDF}: 10.5/8$

Right Out: 0.044 ± 0.029 $\chi^2/\text{NDF}: 30.5/18$

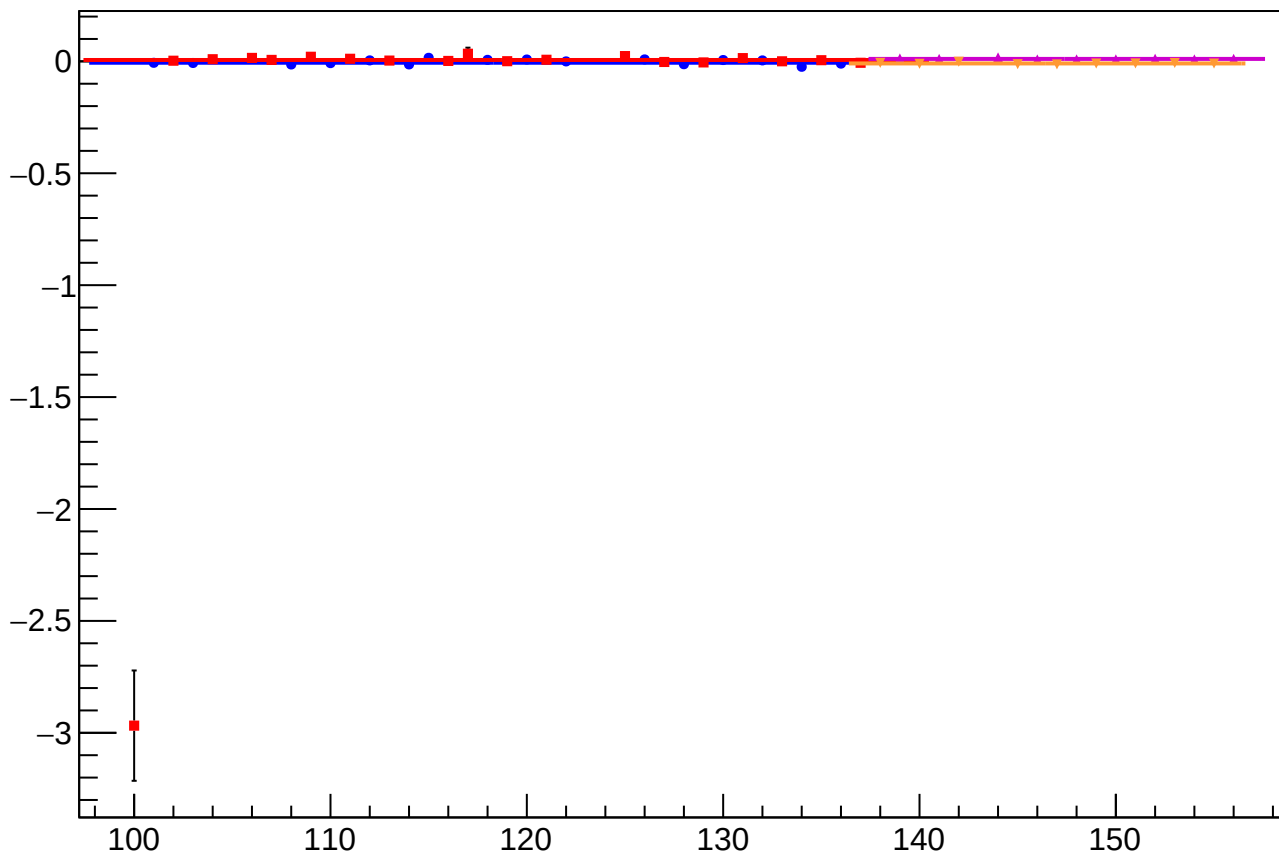
Left In: 0.070 ± 0.025 $\chi^2/\text{NDF}: 9.4/8$

0.001 ± 0.019 $\chi^2/\text{NDF}: 35.6/24$

0.029 ± 0.013 $\chi^2/\text{NDF}: 80.6/52$

0.059 ± 0.019 $\chi^2/\text{NDF}: 40.3/27$

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006 ± 0.001 χ^2/NDF : 27.3/15

Left Out: -0.009 ± 0.001 χ^2/NDF : 4.9/8

Right Out: 0.006 ± 0.001 χ^2/NDF : 167.0/18

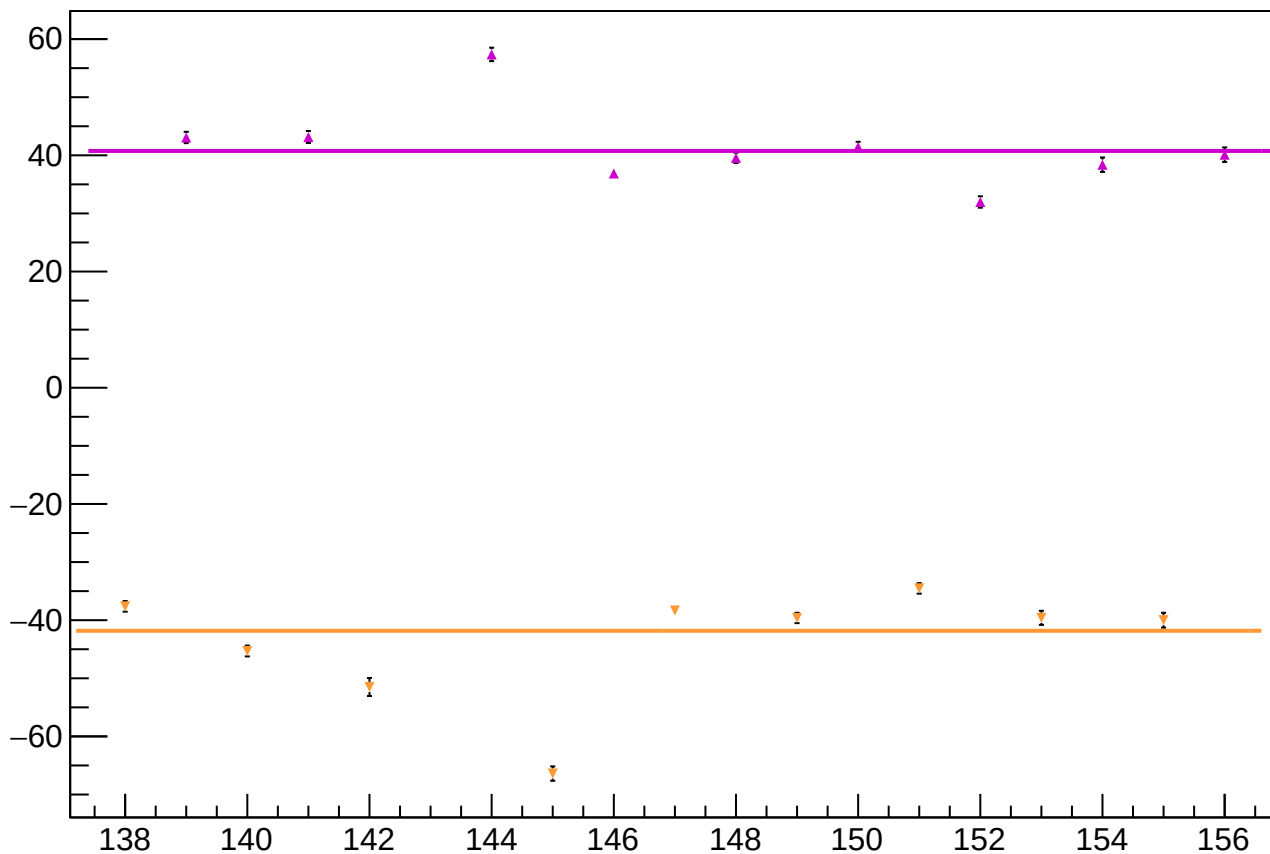
Left In: 0.011 ± 0.001 χ^2/NDF : 4.6/8

-0.008 ± 0.001 χ^2/NDF : 35.1/24

0.001 ± 0.001 χ^2/NDF : 383.0/52

0.009 ± 0.001 χ^2/NDF : 178.2/27

reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-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

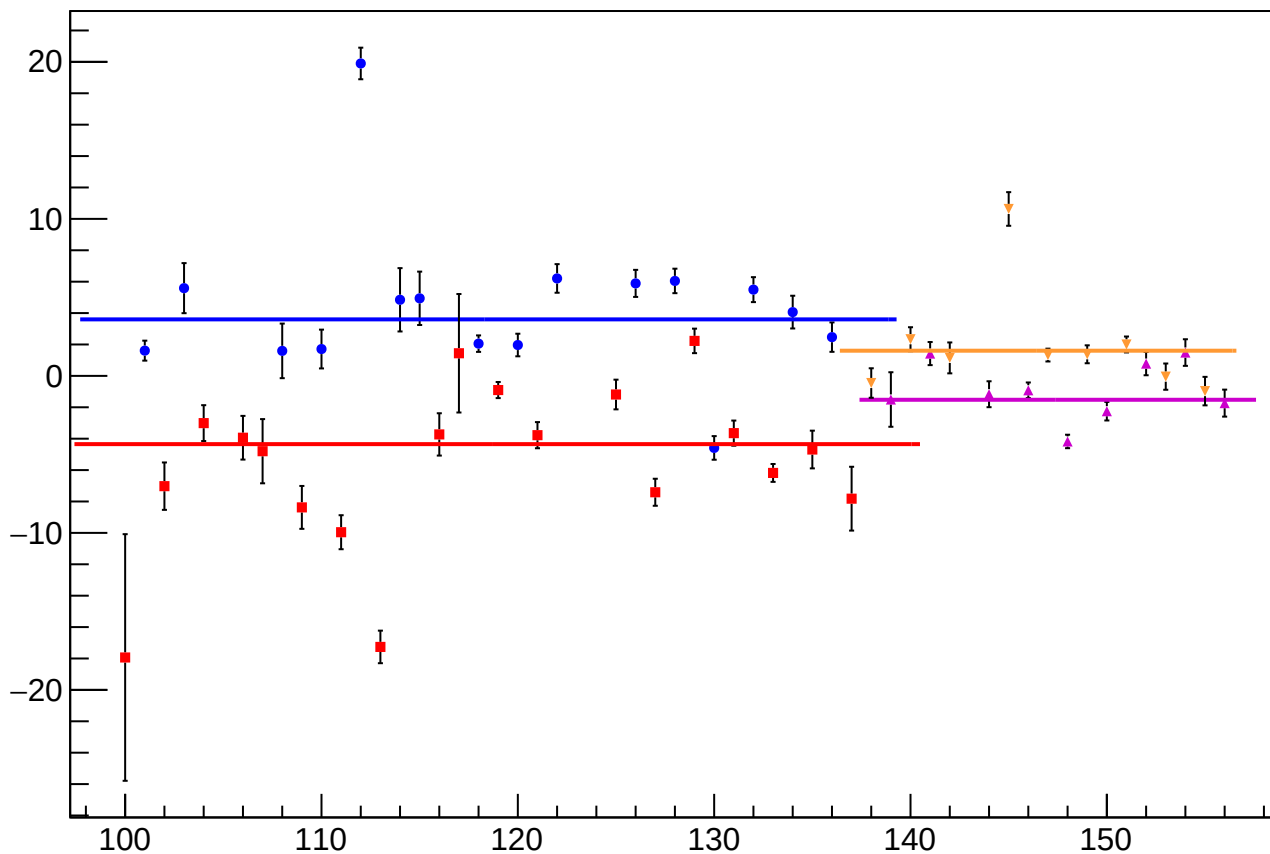
Left In: 40.752+/-0.333 χ^2/NDF : 323.3/8

-41.821+/-0.343 χ^2/NDF : 559.6/8

0.660+/-0.239 χ^2/NDF : 30780.9/17

40.752+/-0.333 χ^2/NDF : 323.3/8

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.599 ± 0.220 χ^2/NDF : 443.4/15

Left Out: 1.604 ± 0.222 χ^2/NDF : 90.1/8

Right Out: -4.347 ± 0.224 χ^2/NDF : 355.4/18

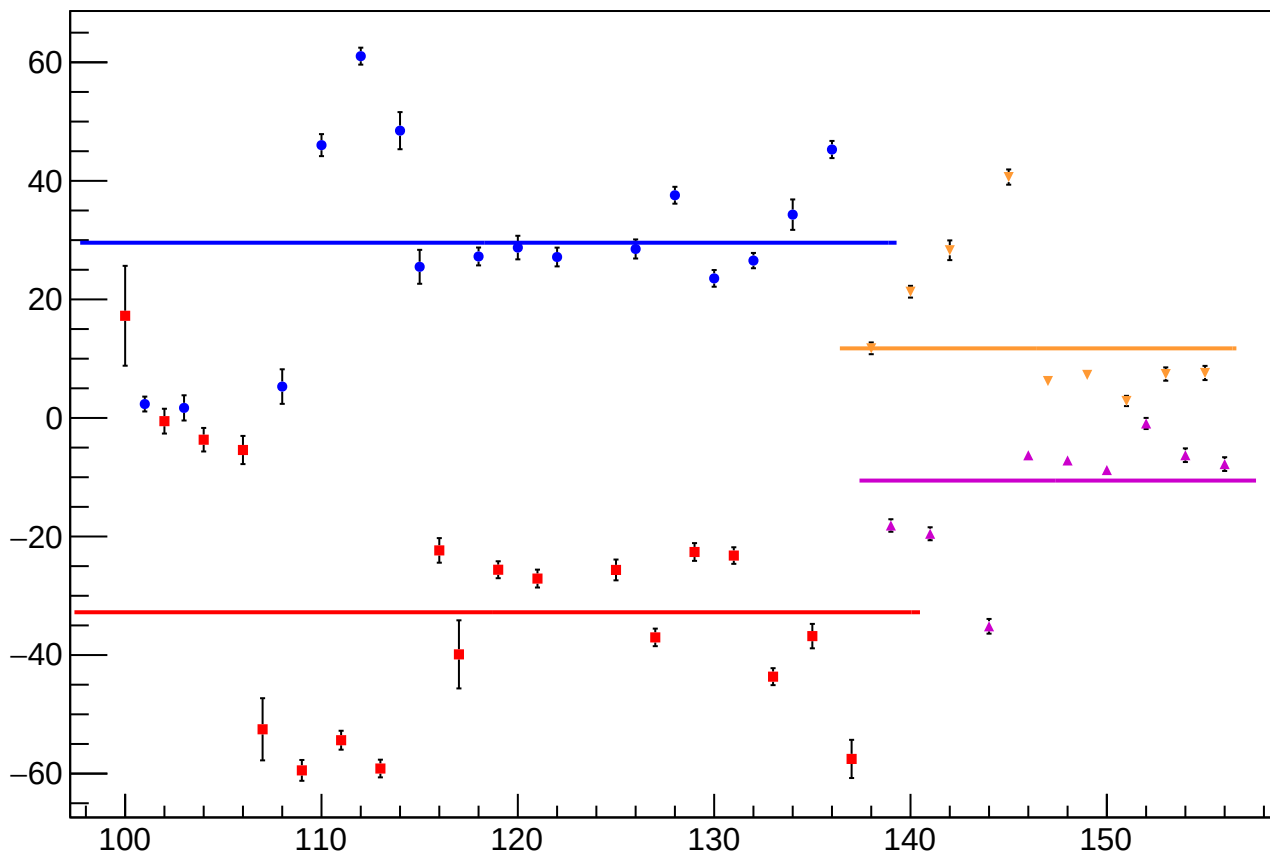
Left In: -1.522 ± 0.221 χ^2/NDF : 79.8/8

2.608 ± 0.156 χ^2/NDF : 574.3/24

-0.134 ± 0.111 χ^2/NDF : 1709.2/52

-2.910 ± 0.157 χ^2/NDF : 515.9/27

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.564+/-0.420 χ^2/NDF : 1494.6/15

Left Out: 11.739+/-0.337 χ^2/NDF : 904.2/8

Right Out: -32.780+/-0.422 χ^2/NDF : 1664.8/18

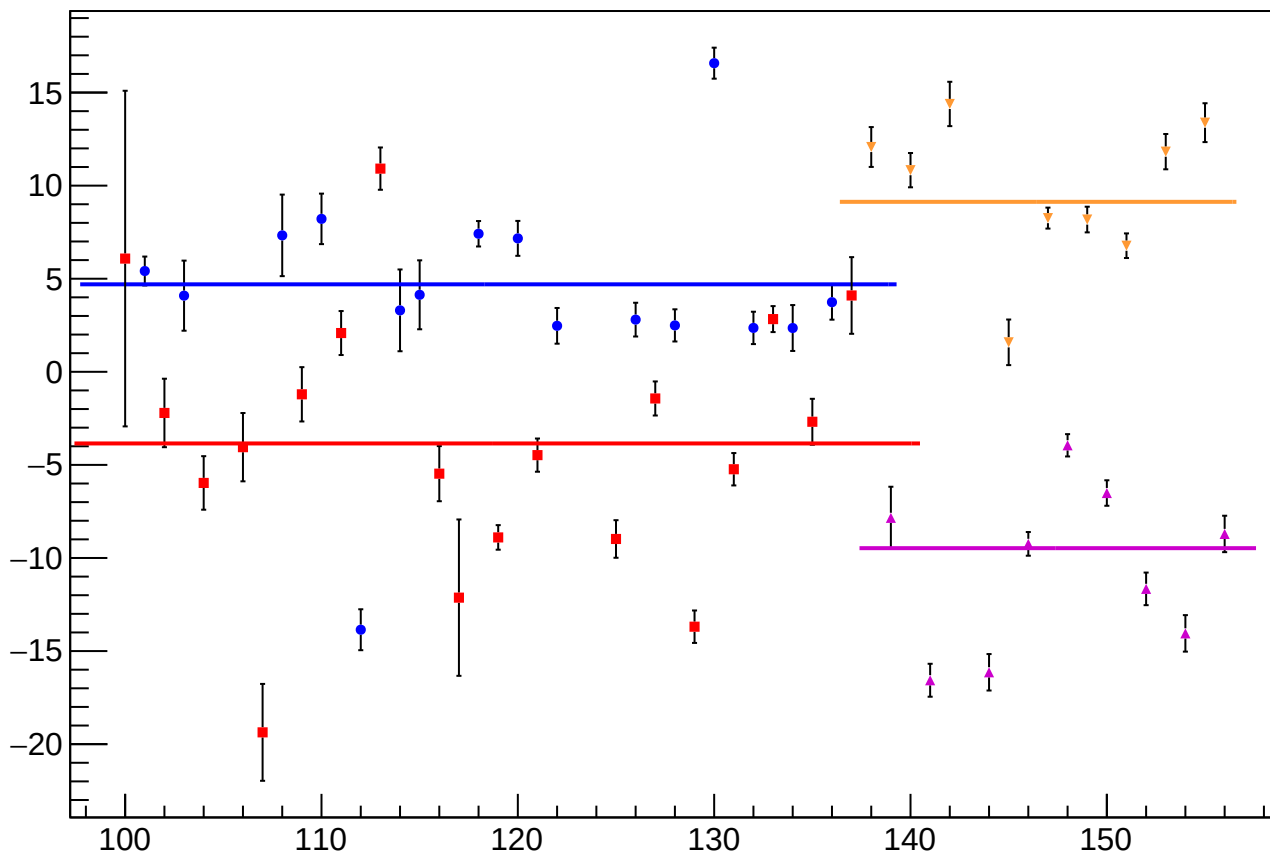
Left In: -10.563+/-0.325 χ^2/NDF : 684.7/8

18.730+/-0.263 χ^2/NDF : 3496.0/24

-0.442+/-0.184 χ^2/NDF : 18023.2/52

-18.845+/-0.257 χ^2/NDF : 4091.1/27

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.699 ± 0.254 $\chi^2/\text{NDF}: 548.9/15$

Left Out: 9.130 ± 0.277 $\chi^2/\text{NDF}: 110.1/8$

Right Out: -3.848 ± 0.258 $\chi^2/\text{NDF}: 571.5/18$

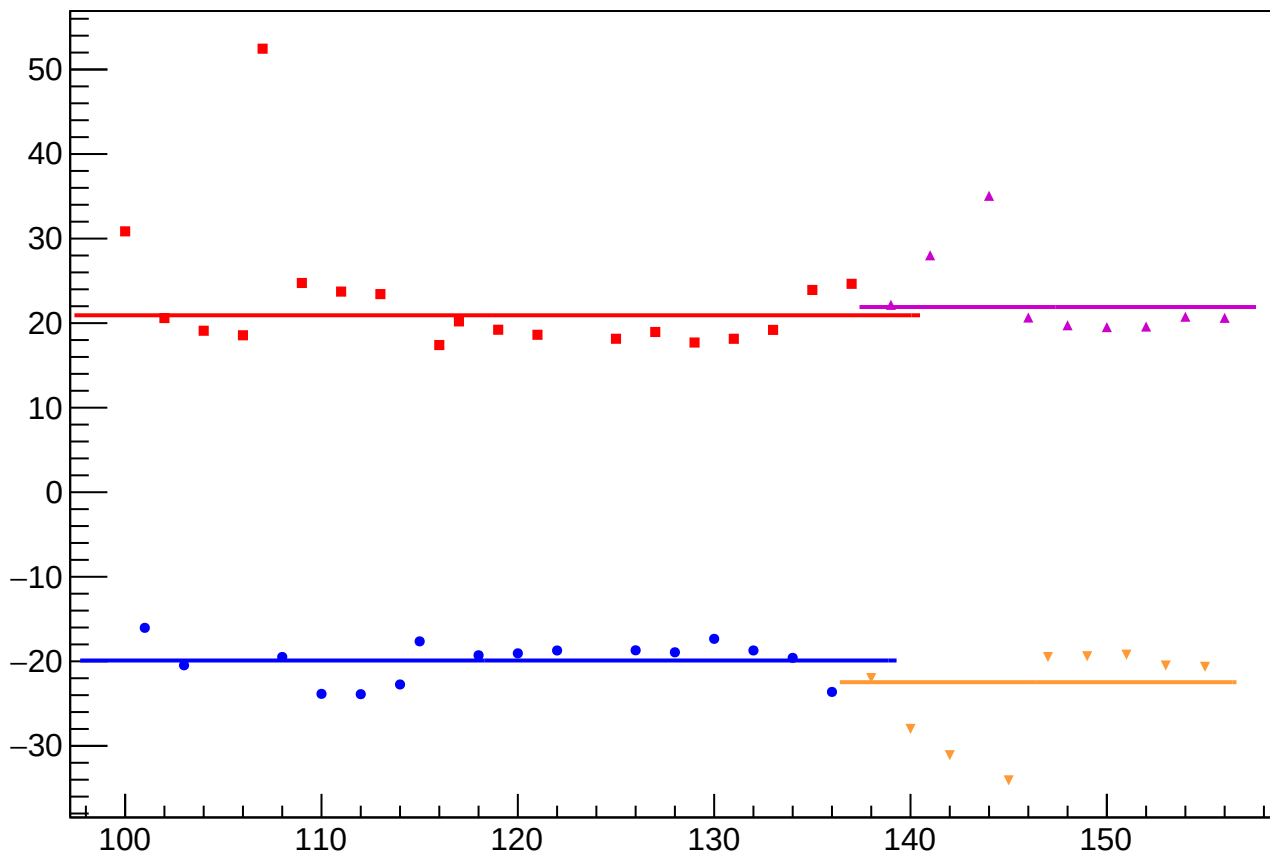
Left In: -9.473 ± 0.273 $\chi^2/\text{NDF}: 244.0/8$

6.720 ± 0.187 $\chi^2/\text{NDF}: 797.9/24$

0.109 ± 0.132 $\chi^2/\text{NDF}: 4329.4/52$

-6.505 ± 0.187 $\chi^2/\text{NDF}: 1040.1/27$

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.902 $\pm$ 0.016 χ^2/NDF : 26054.0/15

Left Out: -22.468 $\pm$ 0.014 χ^2/NDF : 110414.1/8

Right Out: 20.928 $\pm$ 0.016 χ^2/NDF : 94015.9/18

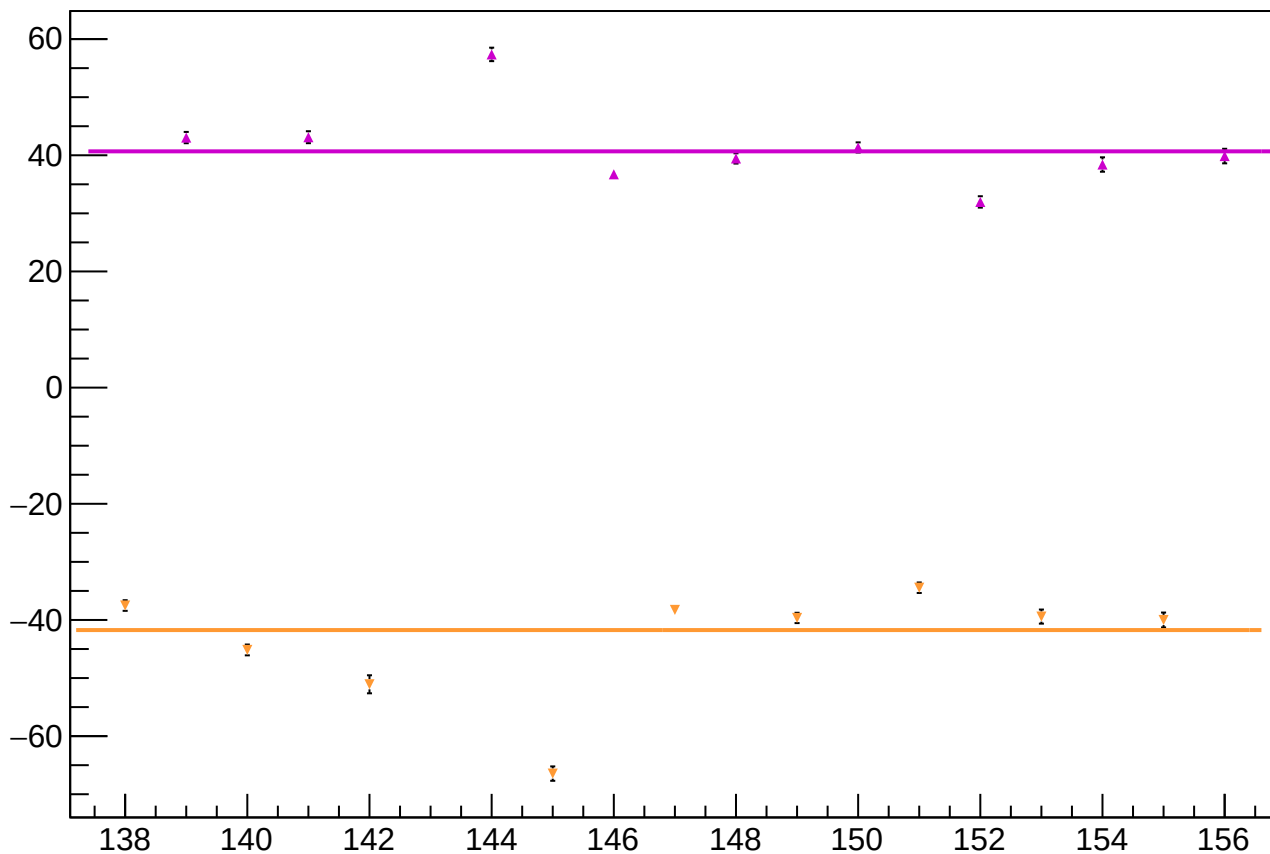
Left In: 21.906 $\pm$ 0.013 χ^2/NDF : 92604.4/8

-21.336 $\pm$ 0.010 χ^2/NDF : 151486.8/24

0.875 $\pm$ 0.007 χ^2/NDF : 9149850.4/52

21.508 $\pm$ 0.010 χ^2/NDF : 188921.2/27

reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -41.740+/-0.342 χ^2/NDF : 561.0/8

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

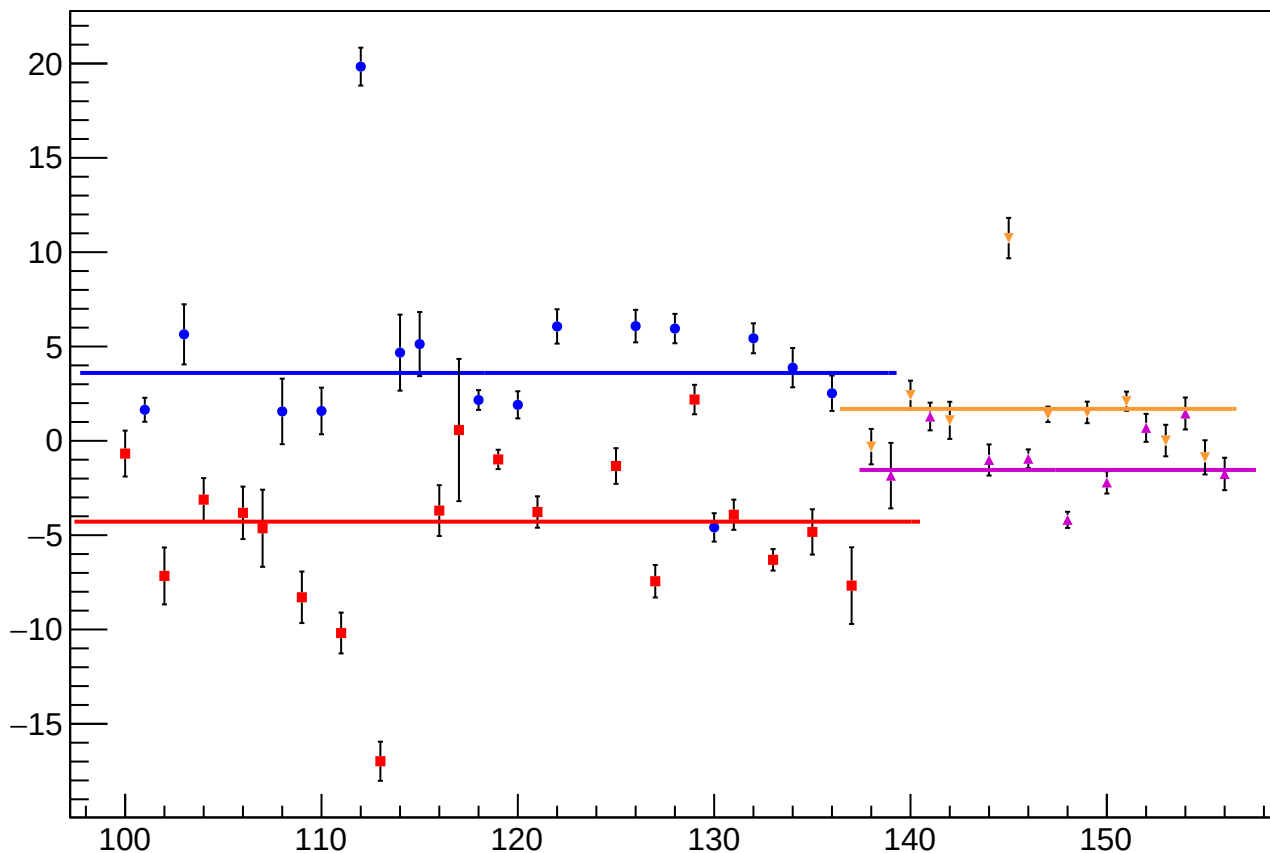
Left In: 40.675+/-0.333 χ^2/NDF : 325.4/8

-41.740+/-0.342 χ^2/NDF : 561.0/8

0.663+/-0.239 χ^2/NDF : 30704.9/17

40.675+/-0.333 χ^2/NDF : 325.4/8

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.599 ± 0.220 χ^2/NDF : 440.3/15

Left Out: 1.694 ± 0.222 χ^2/NDF : 90.7/8

Right Out: -4.284 ± 0.221 χ^2/NDF : 353.8/18

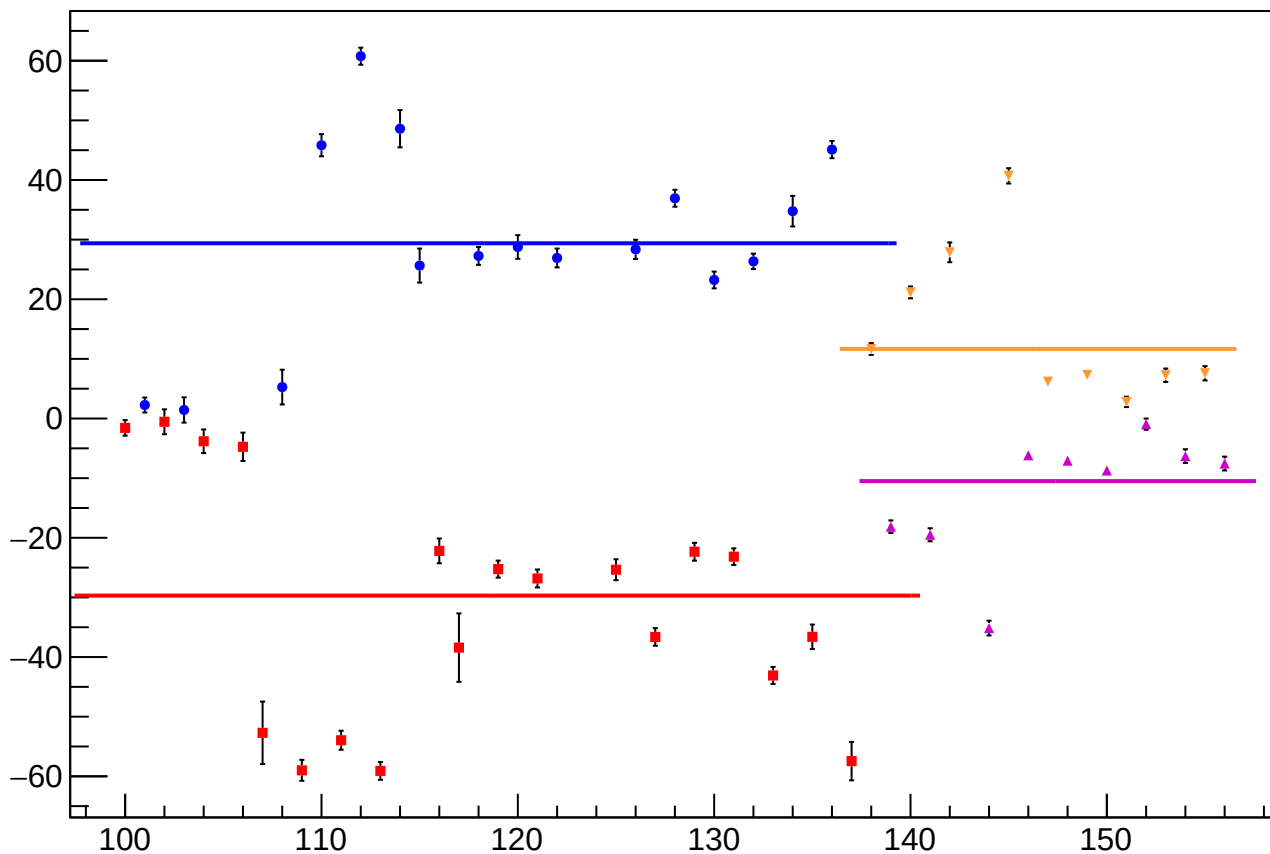
Left In: -1.543 ± 0.220 χ^2/NDF : 77.7/8

2.653 ± 0.156 χ^2/NDF : 568.1/24

-0.135 ± 0.110 χ^2/NDF : 1712.6/52

-2.912 ± 0.156 χ^2/NDF : 508.7/27

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.387 $\pm$ 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

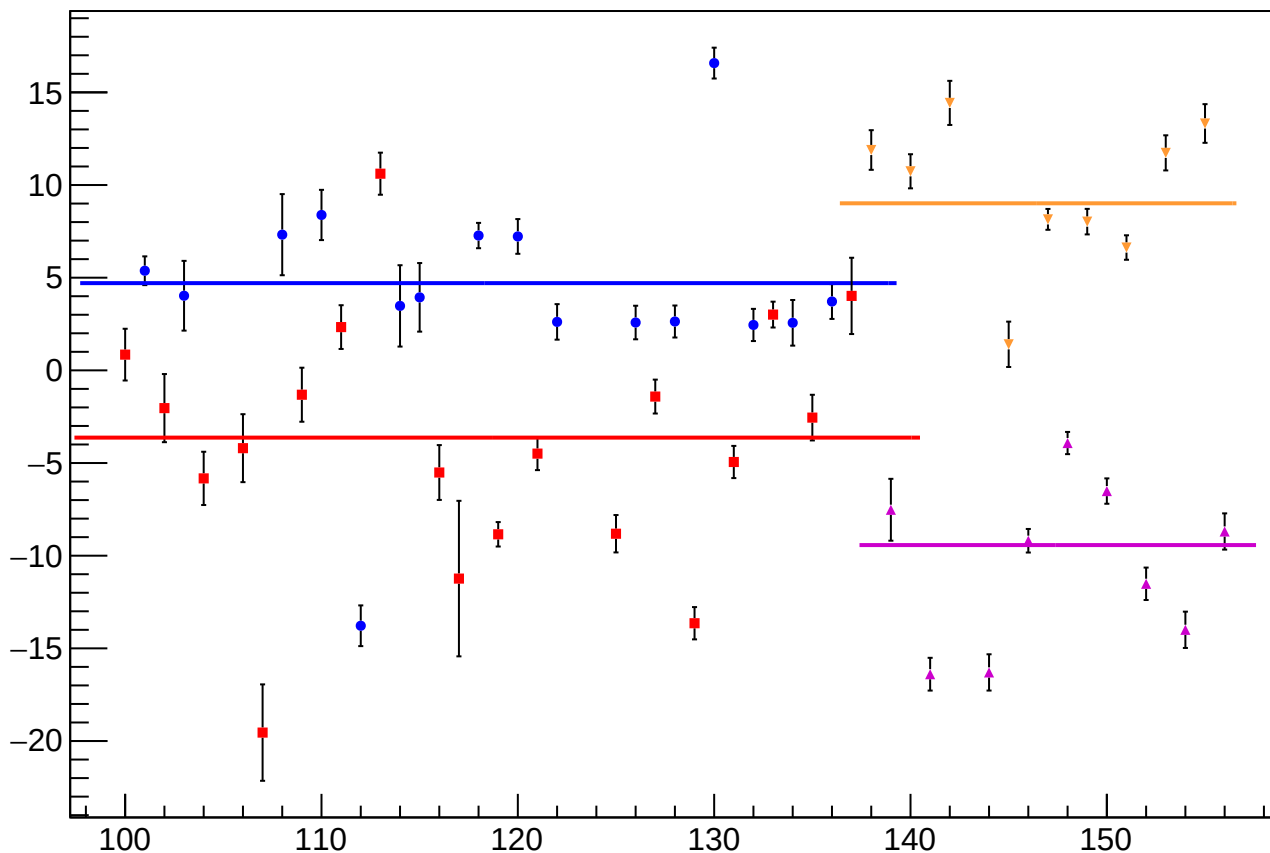
Left In: -10.495 $\pm$ 0.325 χ^2 /NDF: 688.2/8

18.621 $\pm$ 0.263 χ^2 /NDF: 3476.2/24

-0.454 $\pm$ 0.182 χ^2 /NDF: 17838.5/52

-18.093 $\pm$ 0.252 χ^2 /NDF: 4204.2/27

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.706 ± 0.254 $\chi^2/\text{NDF}: 545.2/15$

Left Out: 9.013 ± 0.277 $\chi^2/\text{NDF}: 112.9/8$

Right Out: -3.629 ± 0.254 $\chi^2/\text{NDF}: 576.7/18$

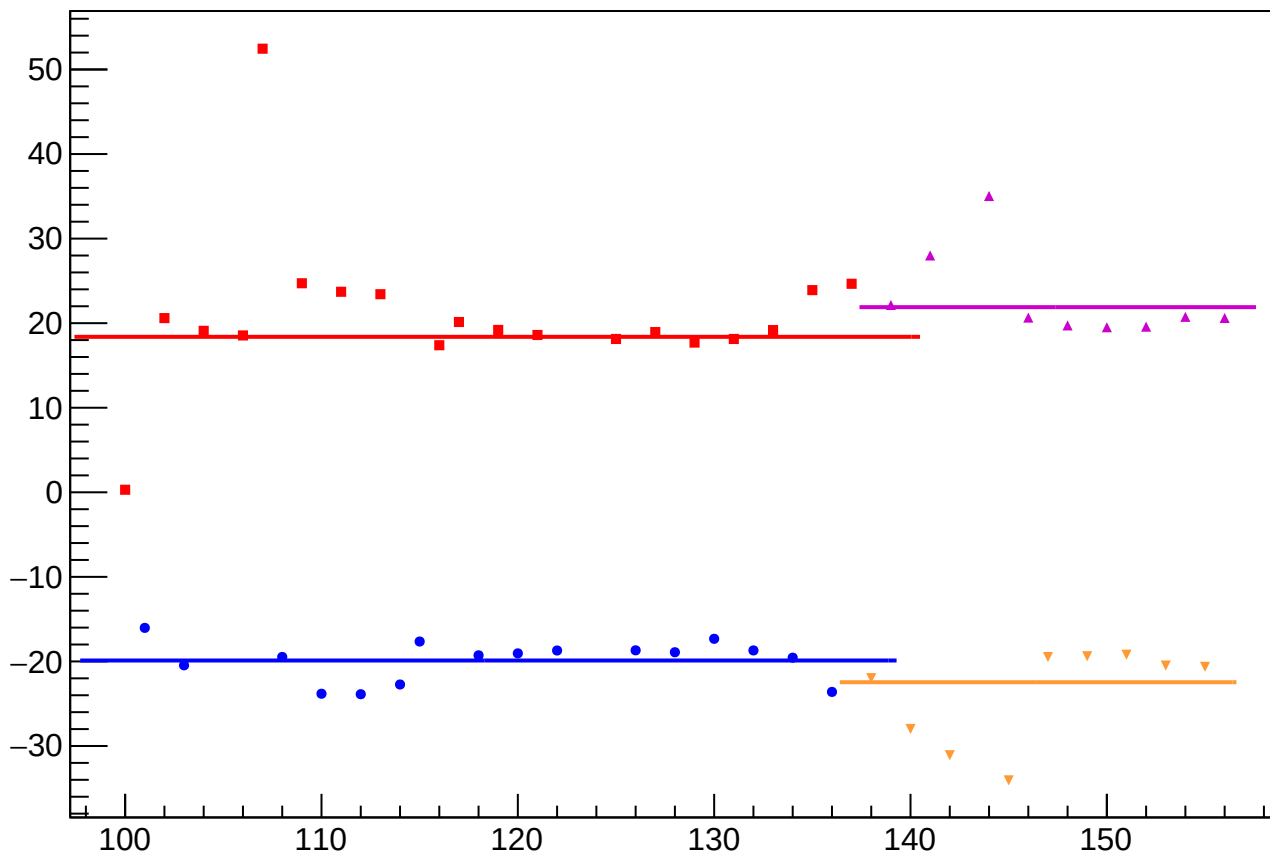
Left In: -9.427 ± 0.272 $\chi^2/\text{NDF}: 243.4/8$

6.671 ± 0.187 $\chi^2/\text{NDF}: 789.4/24$

0.120 ± 0.132 $\chi^2/\text{NDF}: 4280.3/52$

-6.320 ± 0.186 $\chi^2/\text{NDF}: 1062.8/27$

reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.890 ± 0.016 χ^2/NDF : 26044.4/15

Left Out: -22.459 ± 0.014 χ^2/NDF : 110478.9/8

Right Out: 18.386 ± 0.015 χ^2/NDF : 301044.3/18

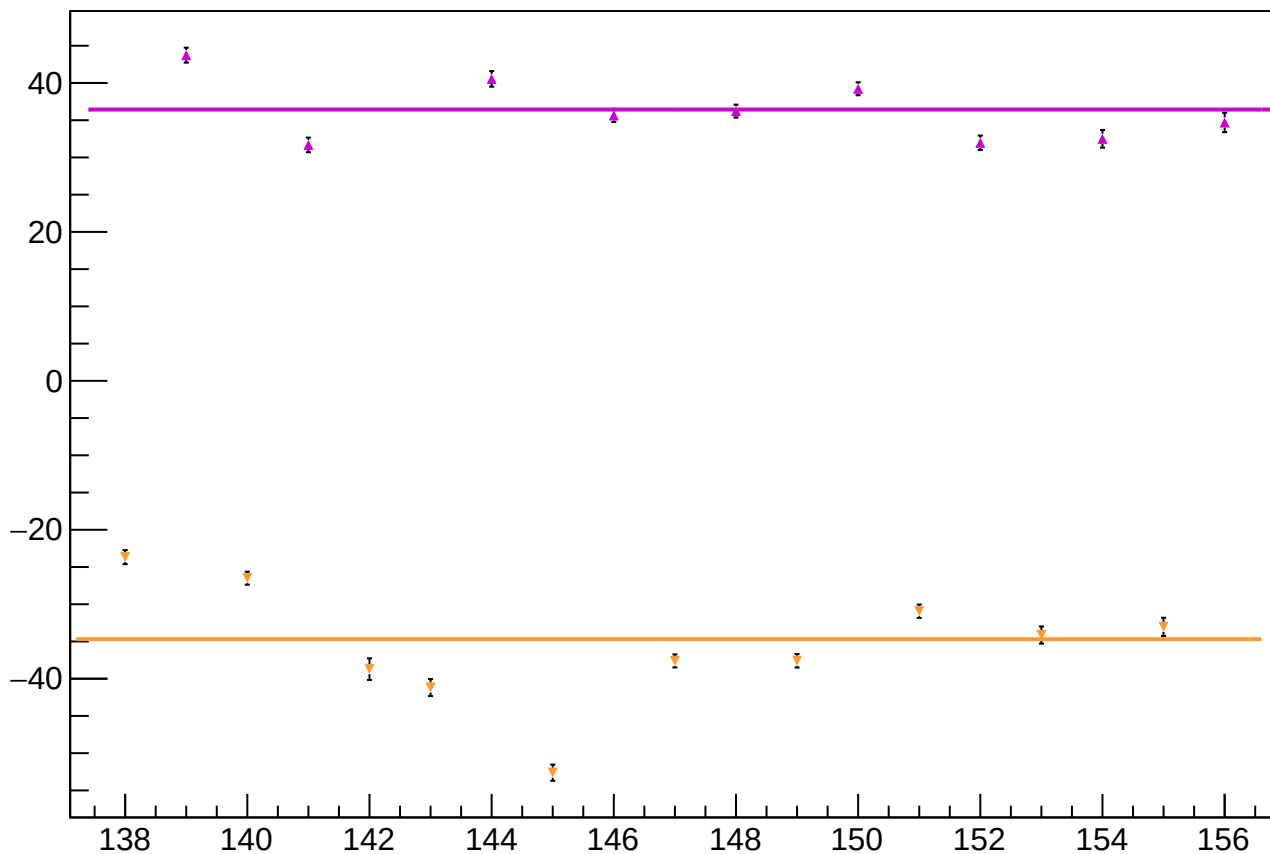
Left In: 21.895 ± 0.013 χ^2/NDF : 92557.1/8

-21.326 ± 0.010 χ^2/NDF : 151605.2/24

0.838 ± 0.007 χ^2/NDF : 9139929.8/52

20.357 ± 0.010 χ^2/NDF : 425508.6/27

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -34.690+/-0.322 χ^2/NDF : 573.9/9

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

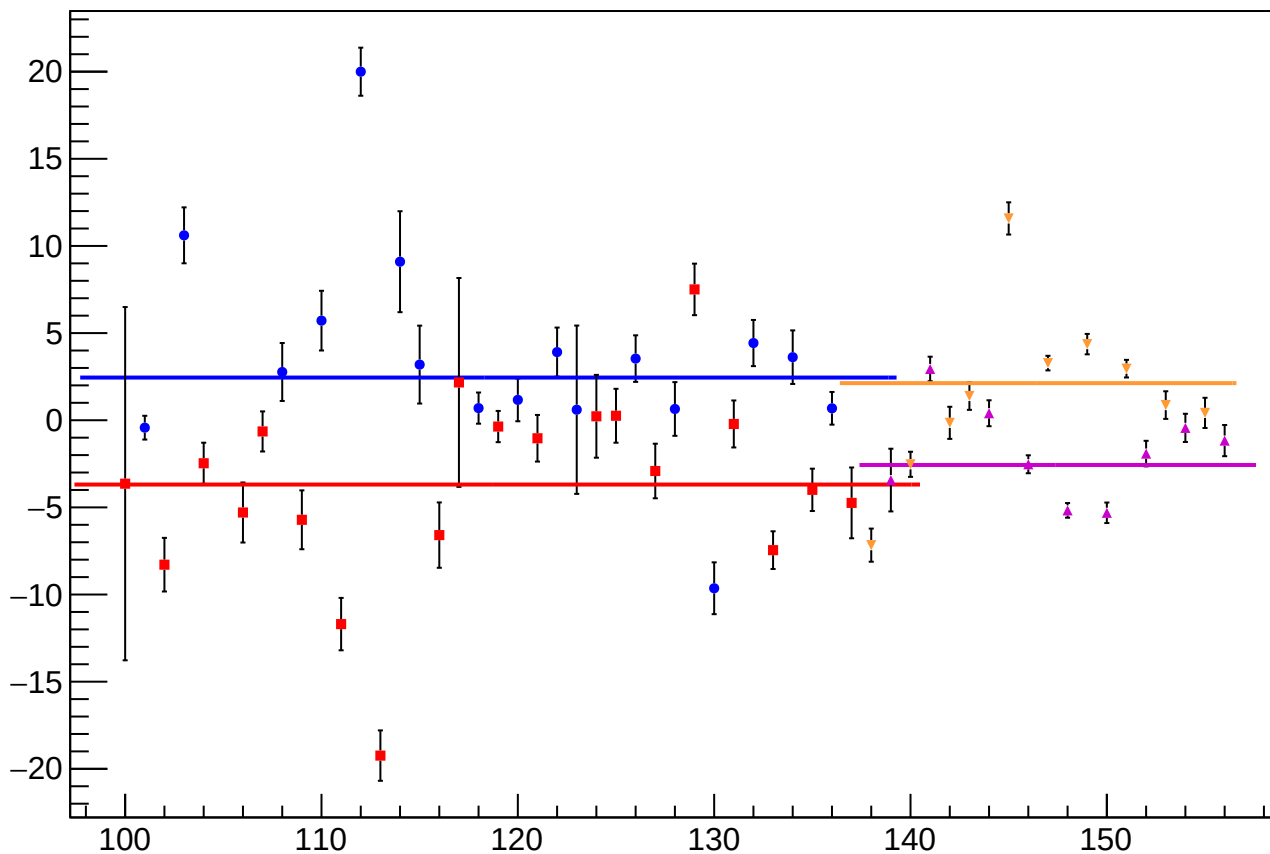
Left In: 36.431+/-0.329 χ^2/NDF : 136.6/8

-34.690+/-0.322 χ^2/NDF : 573.9/9

0.107+/-0.230 χ^2/NDF : 24510.1/18

36.431+/-0.329 χ^2/NDF : 136.6/8

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.449 ± 0.314 χ^2/NDF : 295.3/16

Left Out: 2.128 ± 0.211 χ^2/NDF : 280.1/9

Right Out: -3.690 ± 0.326 χ^2/NDF : 270.4/19

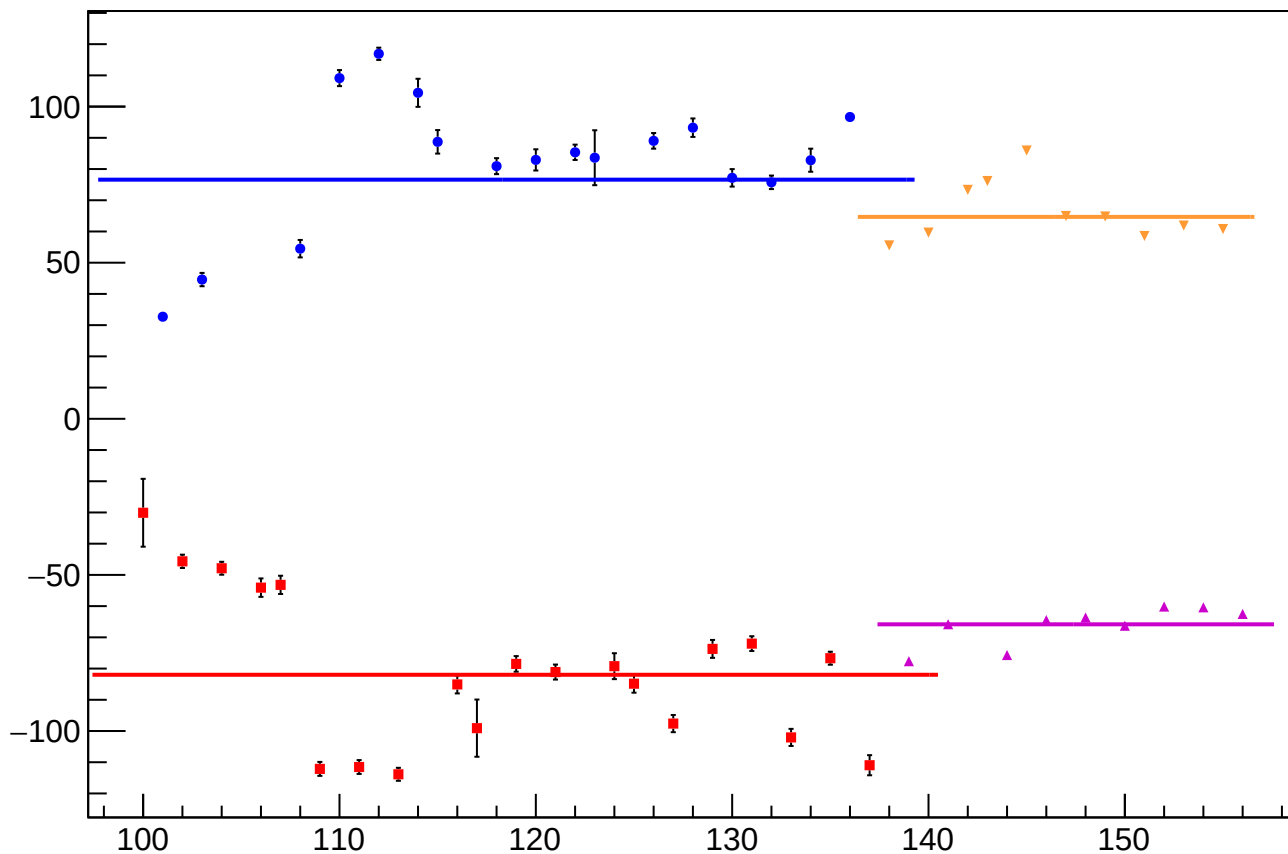
Left In: -2.568 ± 0.218 χ^2/NDF : 147.7/8

2.228 ± 0.175 χ^2/NDF : 576.2/26

-0.260 ± 0.126 χ^2/NDF : 1418.5/55

-2.914 ± 0.181 χ^2/NDF : 426.2/28

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.598+/-0.576 χ^2/NDF : 2255.1/16

Left Out: 64.676+/-0.320 χ^2/NDF : 644.9/9

Right Out: -81.987+/-0.591 χ^2/NDF : 1574.2/19

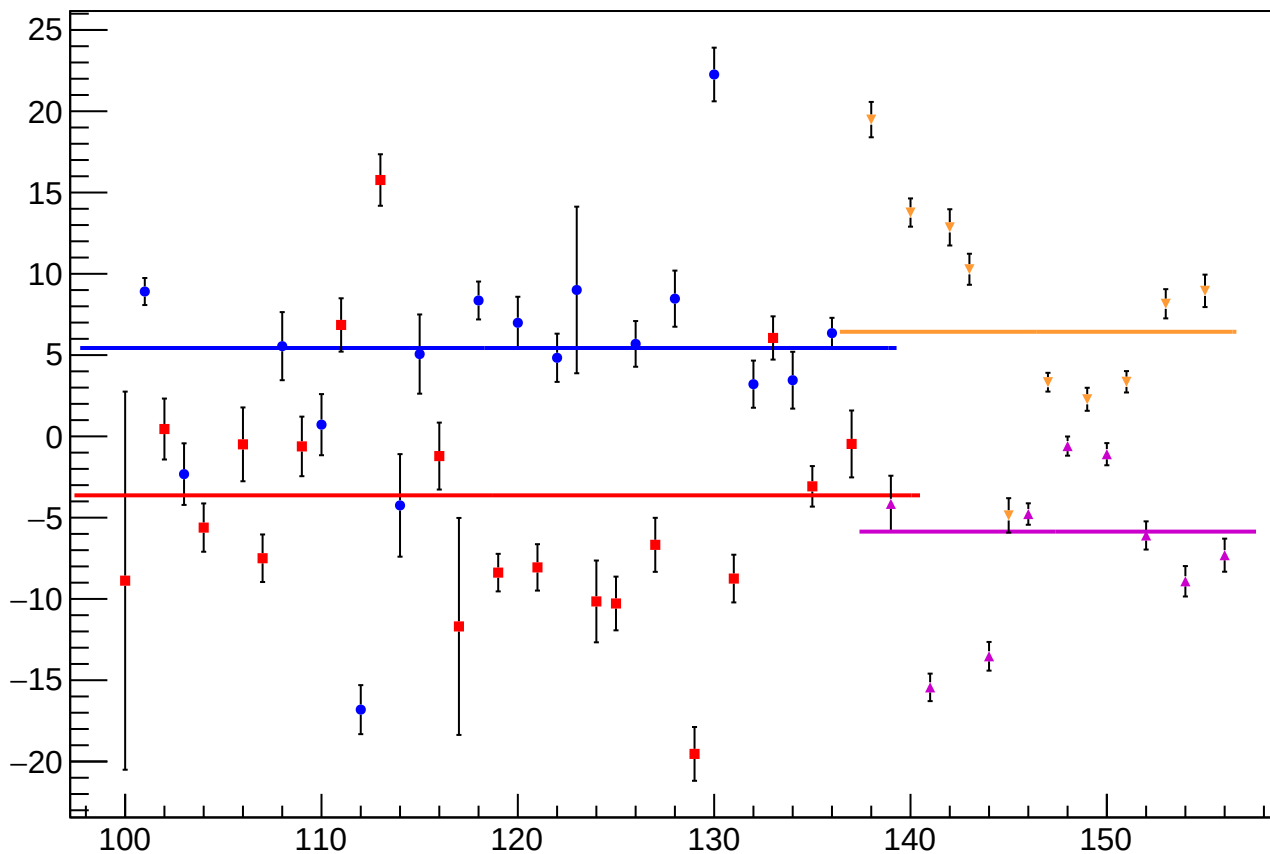
Left In: -65.826+/-0.322 χ^2/NDF : 274.6/8

67.485+/-0.280 χ^2/NDF : 3227.5/26

-0.223+/-0.199 χ^2/NDF : 124295.4/55

-69.532+/-0.283 χ^2/NDF : 2425.5/28

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.436 ± 0.360 χ^2/NDF : 387.2/16

Left Out: 6.434 ± 0.262 χ^2/NDF : 473.6/9

Right Out: -3.628 ± 0.374 χ^2/NDF : 424.8/19

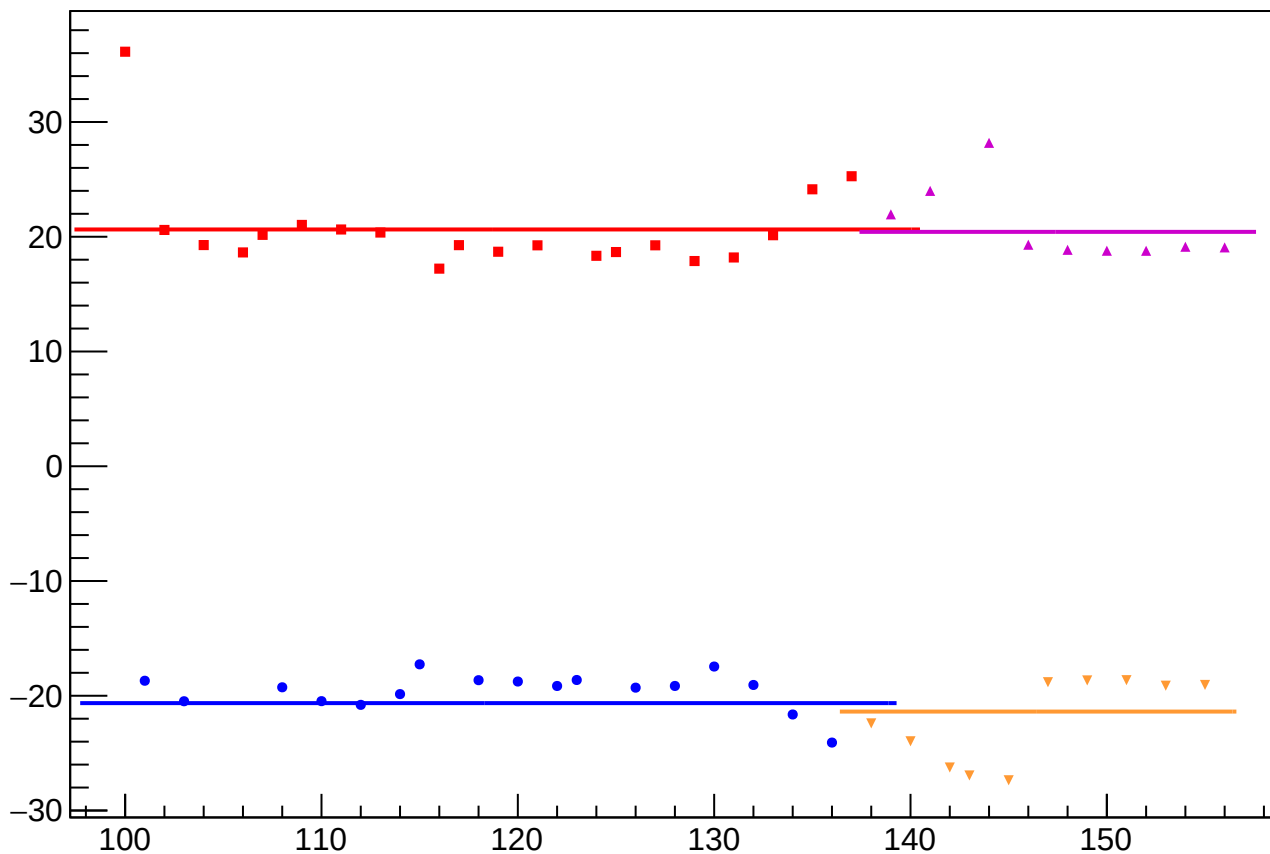
Left In: -5.859 ± 0.269 χ^2/NDF : 348.7/8

6.088 ± 0.212 χ^2/NDF : 865.9/26

0.664 ± 0.152 χ^2/NDF : 3010.7/55

-5.098 ± 0.219 χ^2/NDF : 796.9/28

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.642 ± 0.019 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

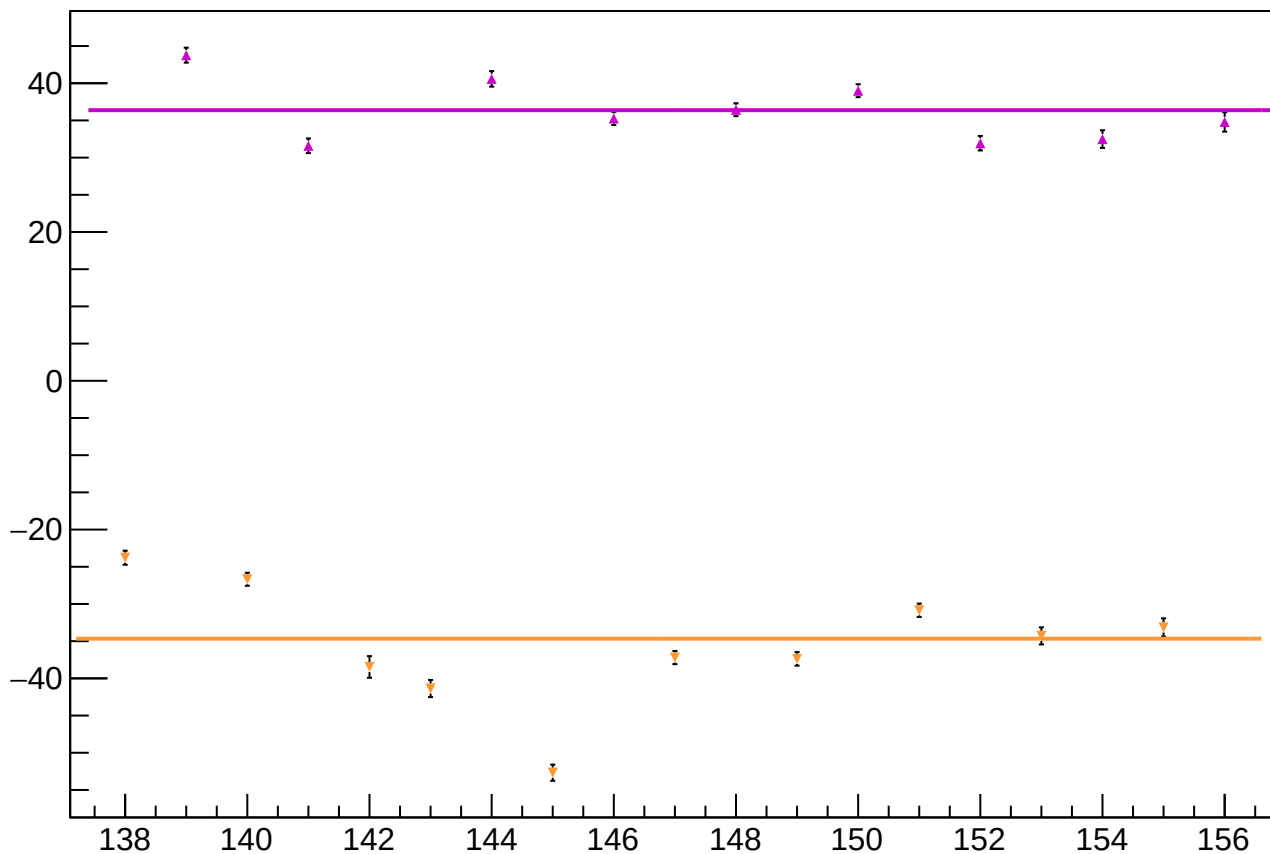
Left In: 20.426 ± 0.013 χ^2/NDF : 43194.7/8

-21.146 ± 0.011 χ^2/NDF : 76596.3/26

-0.140 ± 0.008 χ^2/NDF : 7548615.1/55

20.490 ± 0.011 χ^2/NDF : 57069.1/28

reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -34.663+/-0.323 χ^2/NDF : 565.6/9

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

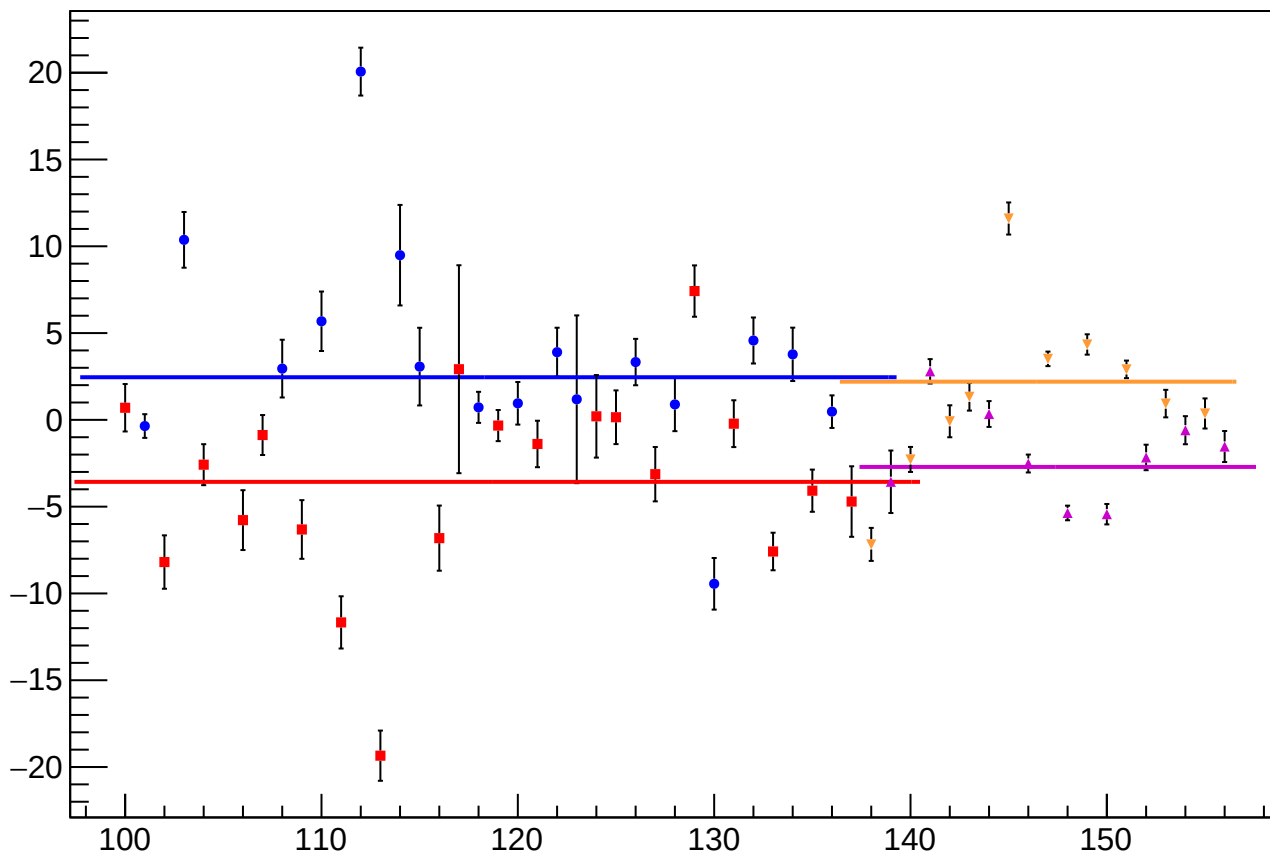
Left In: 36.377+/-0.330 χ^2/NDF : 137.5/8

-34.663+/-0.323 χ^2/NDF : 565.6/9

0.092+/-0.231 χ^2/NDF : 24418.5/18

36.377+/-0.330 χ^2/NDF : 137.5/8

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.455 ± 0.315 χ^2/NDF : 293.5/16

Left Out: 2.200 ± 0.211 χ^2/NDF : 278.6/9

Right Out: -3.571 ± 0.317 χ^2/NDF : 281.0/19

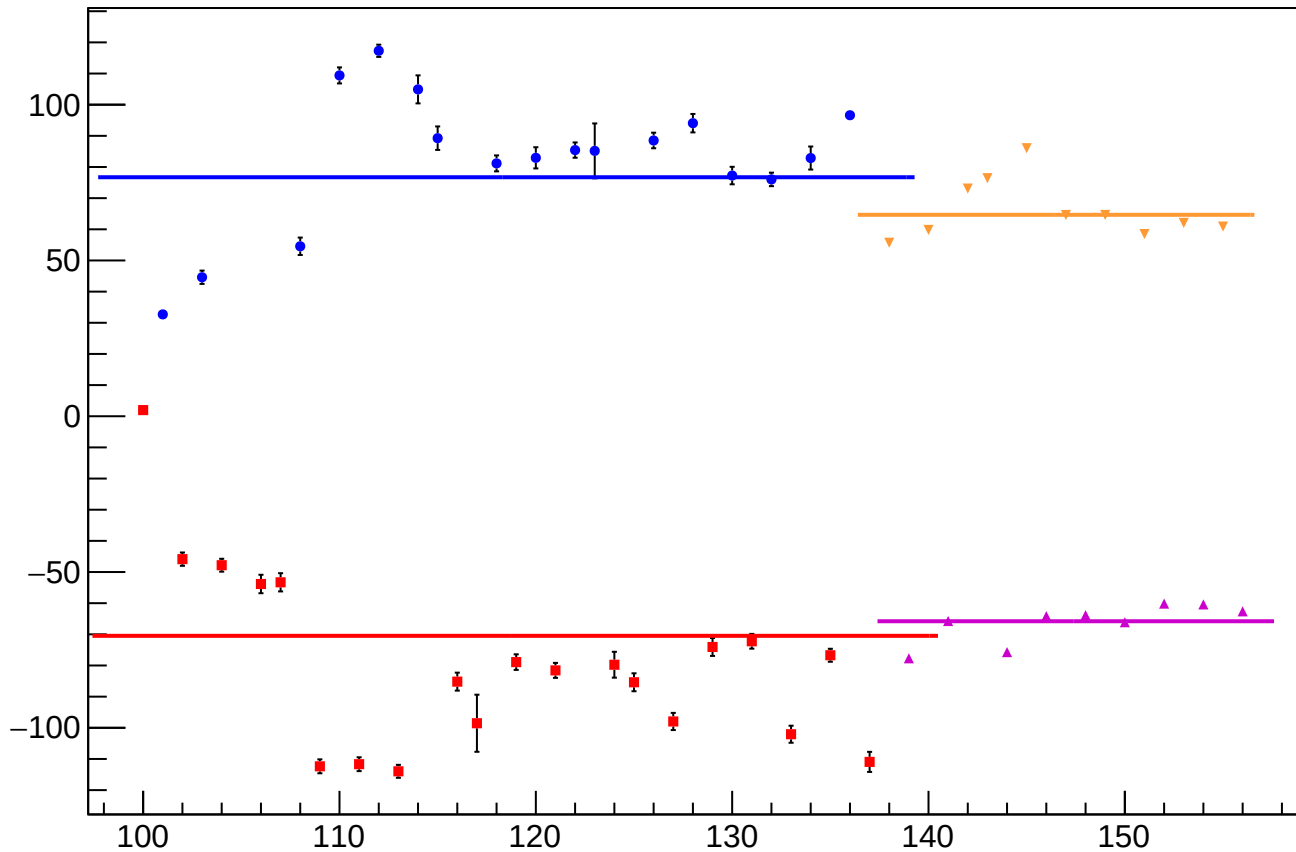
Left In: -2.711 ± 0.218 χ^2/NDF : 148.5/8

2.280 ± 0.175 χ^2/NDF : 572.5/26

-0.291 ± 0.126 χ^2/NDF : 1446.9/55

-2.987 ± 0.180 χ^2/NDF : 434.5/28

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.713+/-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

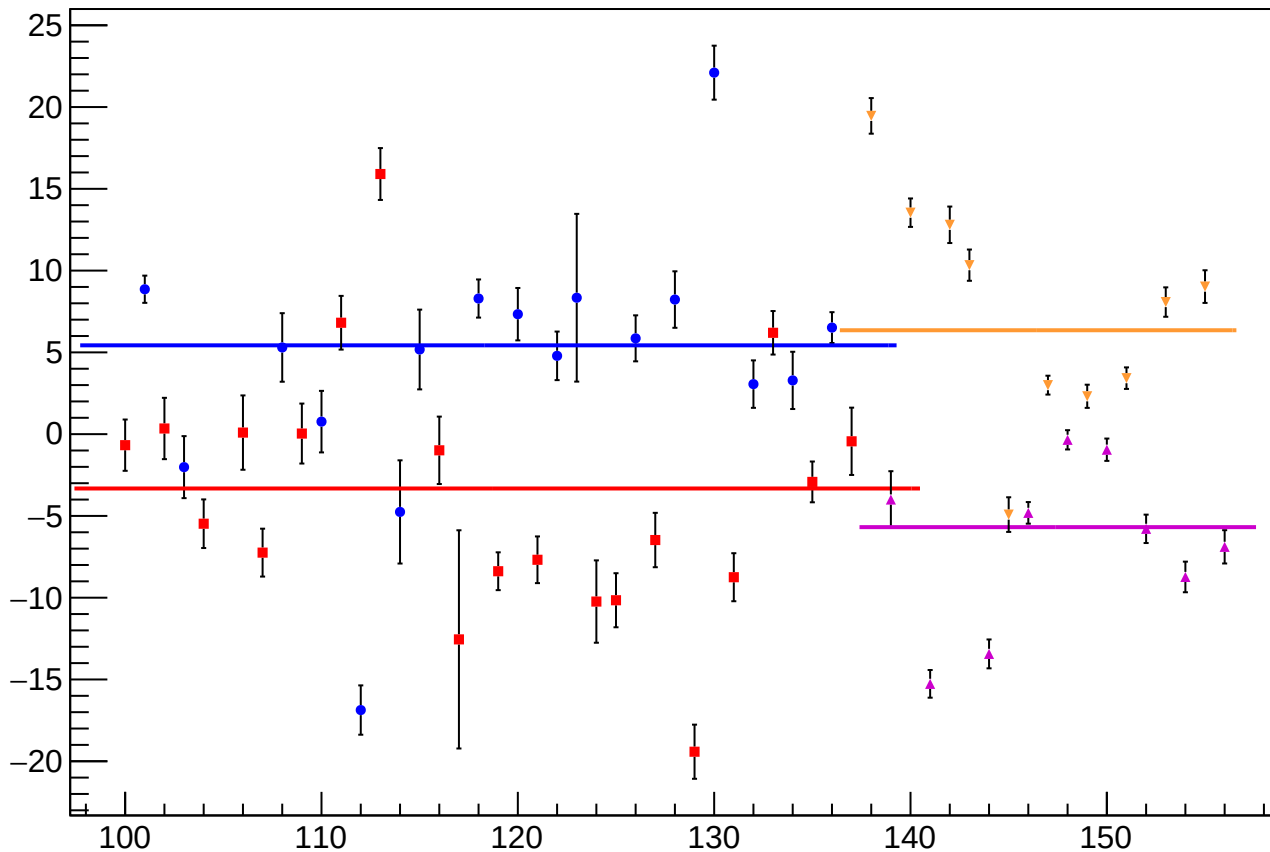
Left In: -65.797+/-0.322 χ^2/NDF : 275.2/8

67.496+/-0.280 χ^2/NDF : 3245.9/26

-0.173+/-0.197 χ^2/NDF : 124227.8/55

-66.998+/-0.278 χ^2/NDF : 4729.3/28

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.430 $\pm$ 0.361 χ^2/NDF : 385.9/16

Left Out: 6.353 $\pm$ 0.263 χ^2/NDF : 474.2/9

Right Out: -3.323 $\pm$ 0.365 χ^2/NDF : 428.0/19

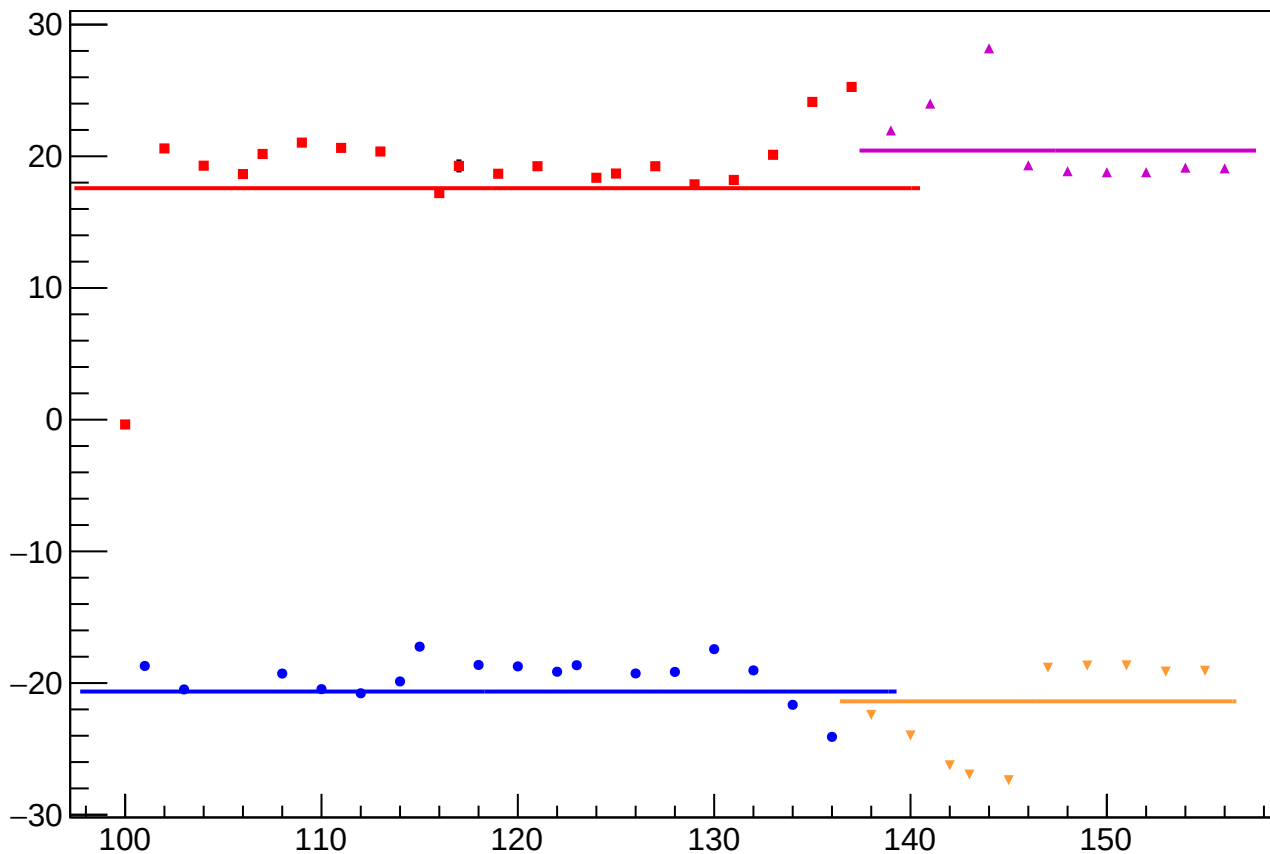
Left In: -5.686 $\pm$ 0.270 χ^2/NDF : 350.0/8

6.033 $\pm$ 0.212 χ^2/NDF : 864.4/26

0.704 $\pm$ 0.152 χ^2/NDF : 2956.4/55

-4.850 $\pm$ 0.217 χ^2/NDF : 805.2/28

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

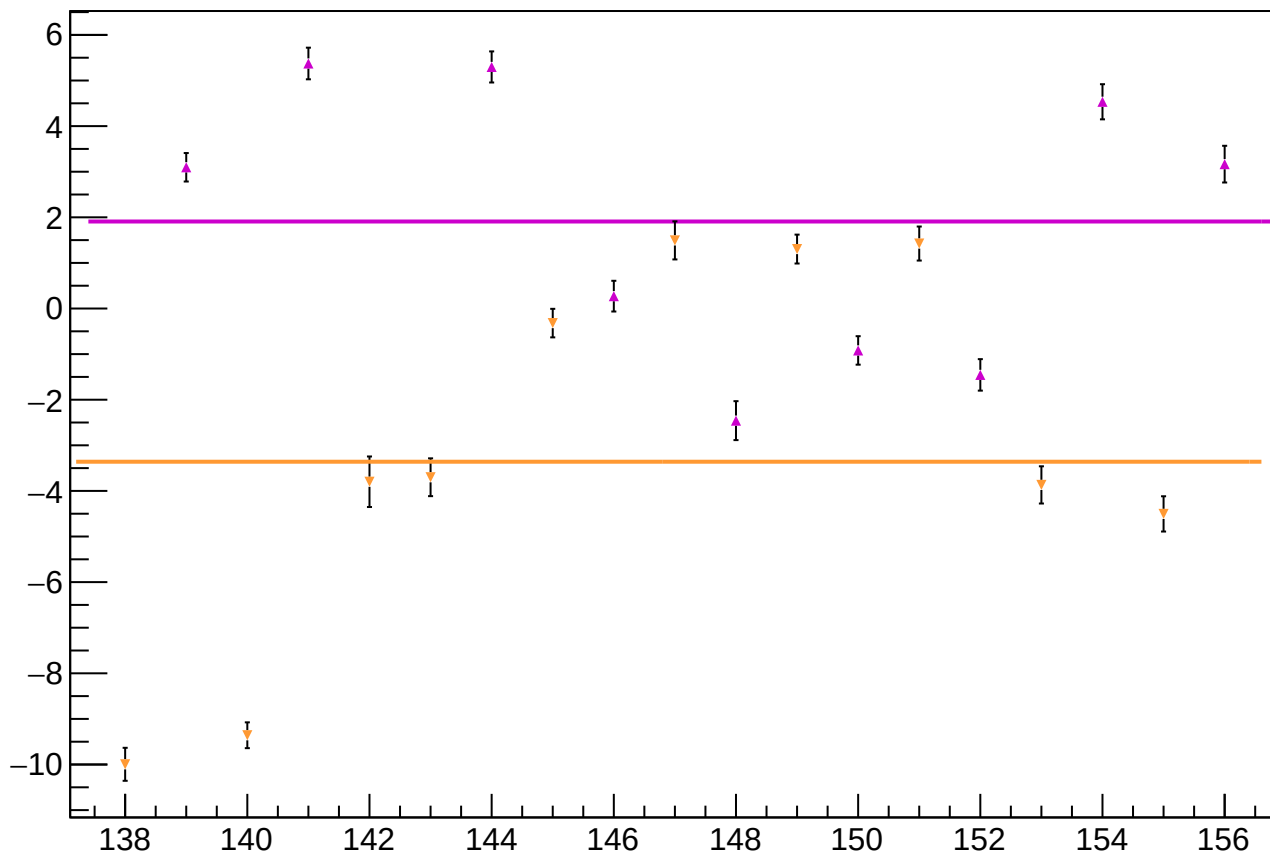
Left In: 20.436 ± 0.013 χ^2/NDF : 43144.4/8

-21.153 ± 0.011 χ^2/NDF : 76510.2/26

-0.162 ± 0.008 χ^2/NDF : 7534398.3/55

19.464 ± 0.011 χ^2/NDF : 238099.2/28

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -3.360+/-0.115 χ^2/NDF : 1408.4/9

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

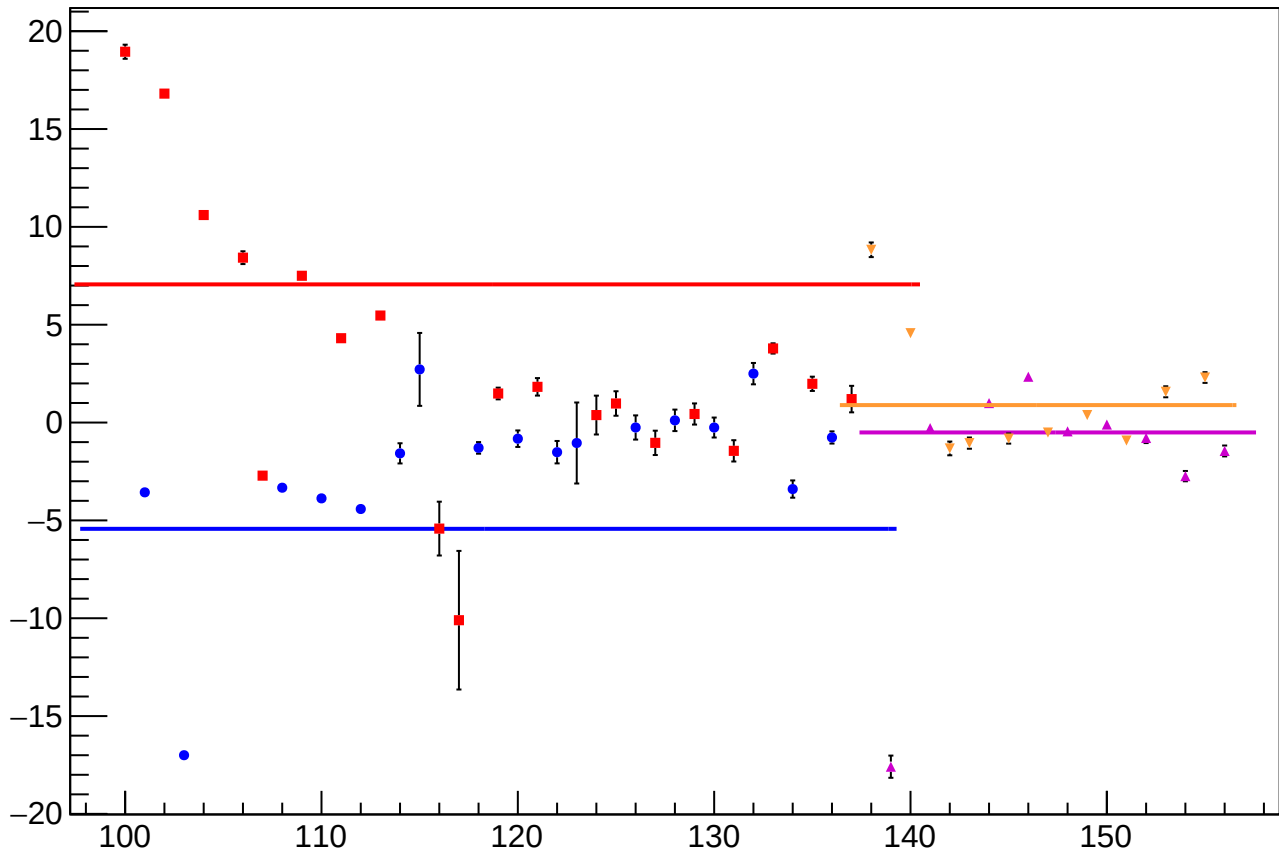
Left In: 1.908+/-0.117 χ^2/NDF : 574.5/8

-3.360+/-0.115 χ^2/NDF : 1408.4/9

-0.761+/-0.082 χ^2/NDF : 3009.6/18

1.908+/-0.117 χ^2/NDF : 574.5/8

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.431+/-0.055 χ^2/NDF : 9233.8/16

Left Out: 0.892+/-0.080 χ^2/NDF : 976.7/9

Right Out: 7.061+/-0.059 χ^2/NDF : 12330.1/19

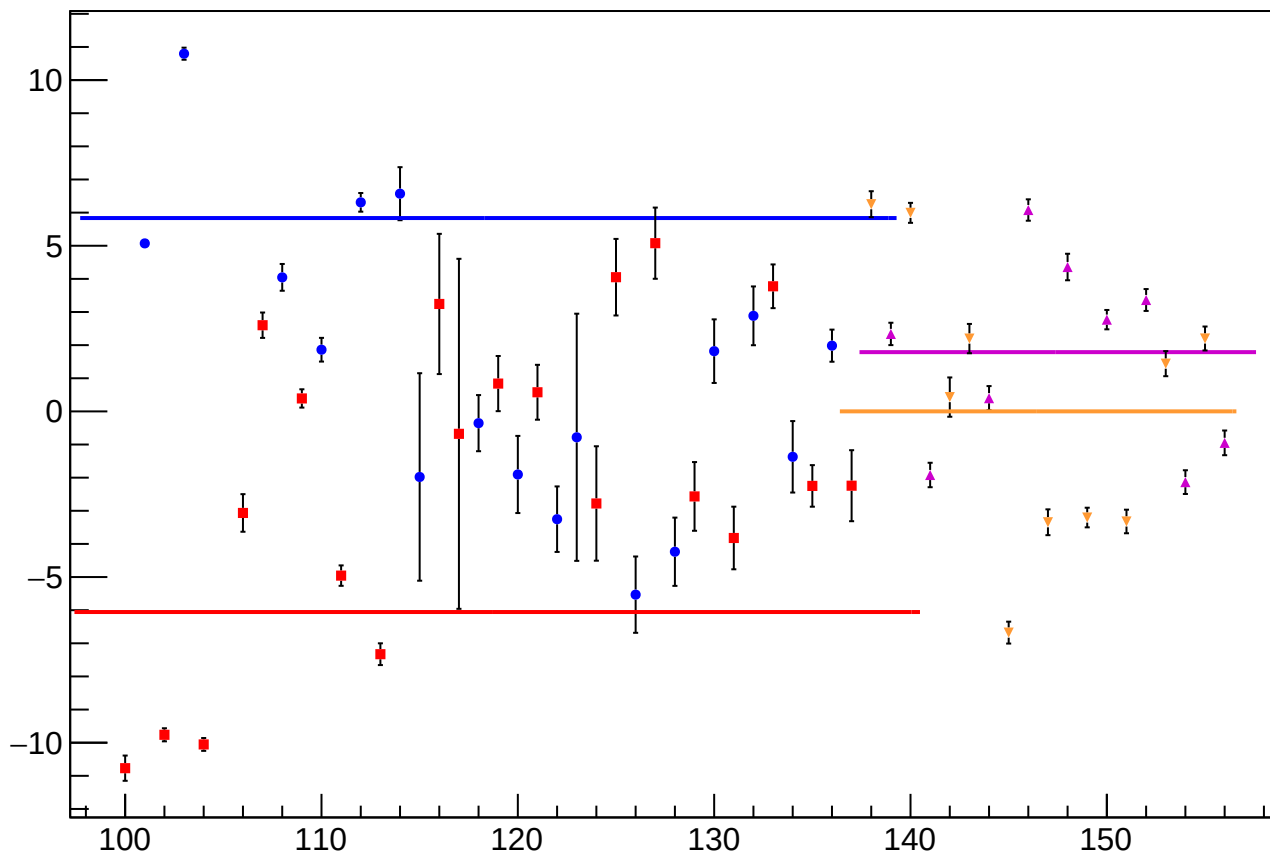
Left In: -0.506+/-0.083 χ^2/NDF : 1210.8/8

-3.418+/-0.045 χ^2/NDF : 14439.1/26

0.314+/-0.033 χ^2/NDF : 47933.3/55

4.525+/-0.048 χ^2/NDF : 19049.6/28

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.836 ± 0.090 $\chi^2/\text{NDF}: 1440.9/16$

Left Out: 0.001 ± 0.115 $\chi^2/\text{NDF}: 1411.9/9$

Right Out: -6.056 ± 0.093 $\chi^2/\text{NDF}: 2669.9/19$

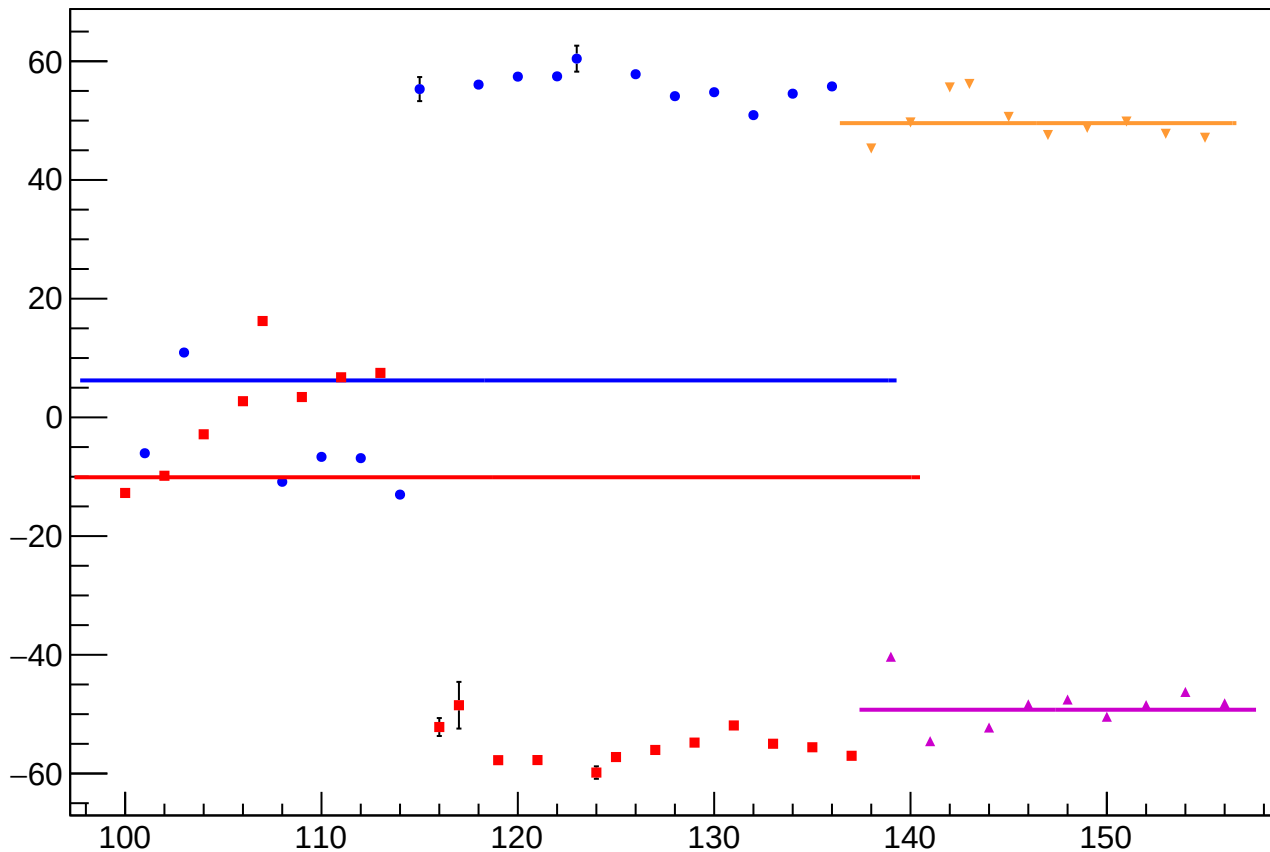
Left In: 1.789 ± 0.115 $\chi^2/\text{NDF}: 543.7/8$

3.639 ± 0.071 $\chi^2/\text{NDF}: 4447.4/26$

0.424 ± 0.051 $\chi^2/\text{NDF}: 14686.2/55$

-2.949 ± 0.073 $\chi^2/\text{NDF}: 6012.8/28$

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.226 ± 0.065 $\chi^2/\text{NDF}: 120955.1/16$

Left Out: 49.574 ± 0.097 $\chi^2/\text{NDF}: 840.2/9$

Right Out: -10.087 ± 0.070 $\chi^2/\text{NDF}: 122144.7/19$

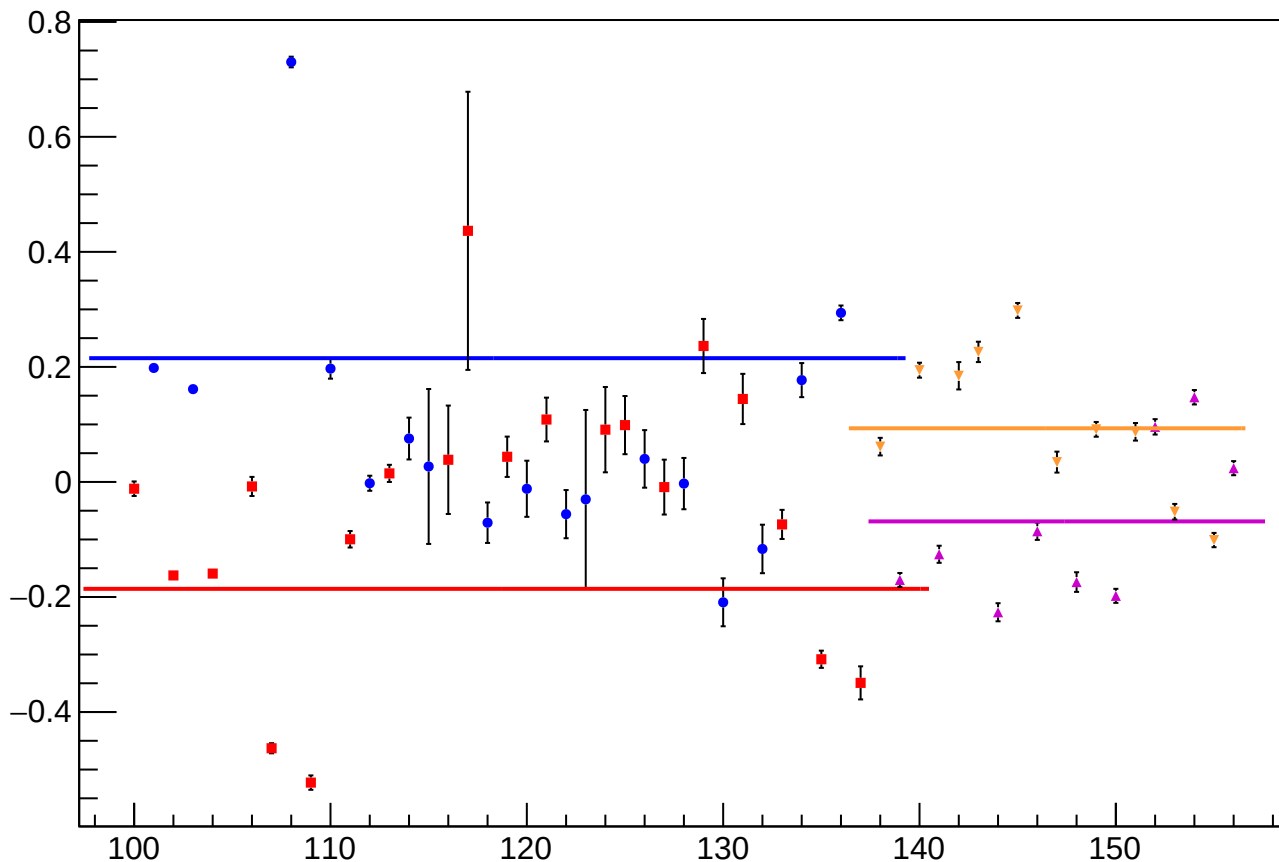
Left In: -49.255 ± 0.100 $\chi^2/\text{NDF}: 873.5/8$

19.535 ± 0.054 $\chi^2/\text{NDF}: 259058.7/26$

-0.493 ± 0.039 $\chi^2/\text{NDF}: 777834.7/55$

-22.948 ± 0.057 $\chi^2/\text{NDF}: 226633.1/28$

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215 ± 0.003 χ^2/NDF : 3925.9/16

Left Out: 0.093 ± 0.005 χ^2/NDF : 755.4/9

Right Out: -0.186 ± 0.003 χ^2/NDF : 2724.7/19

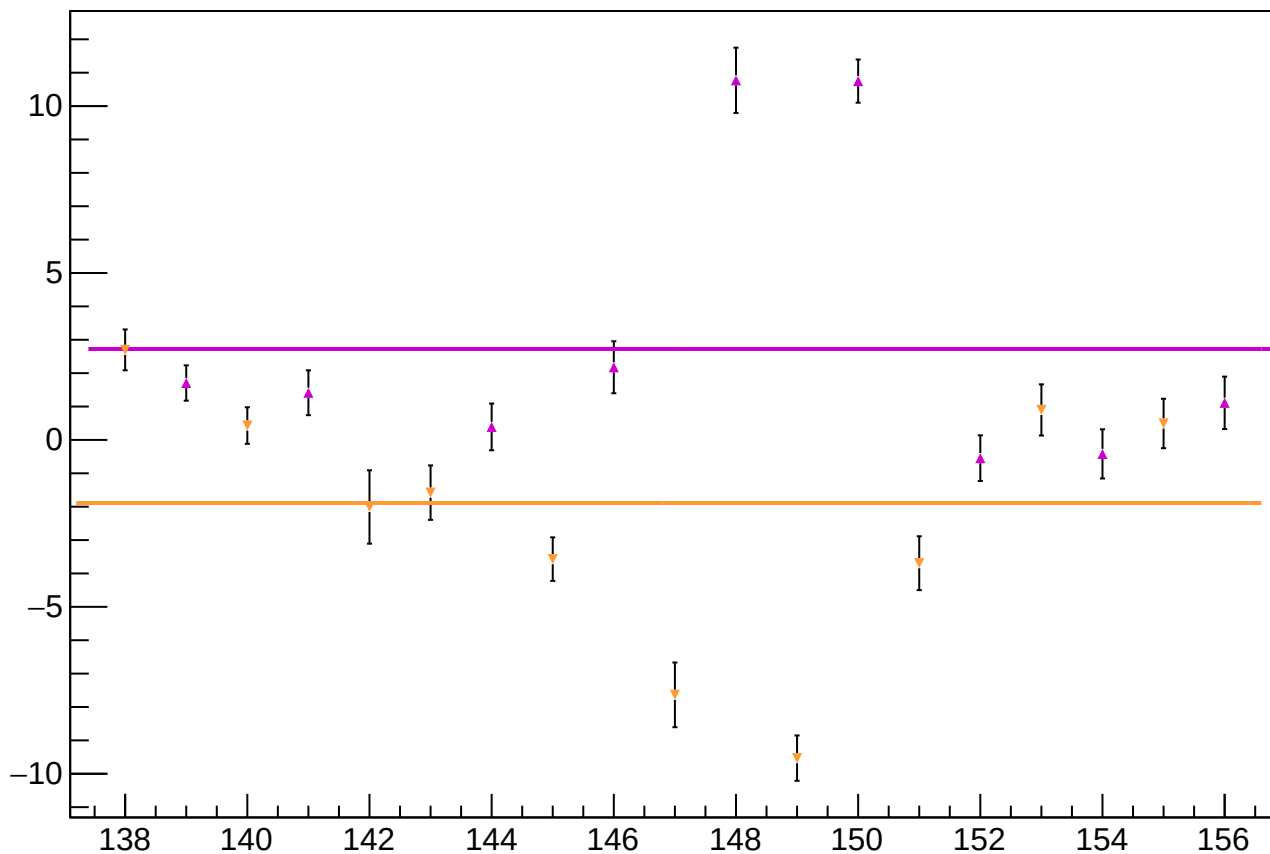
Left In: -0.069 ± 0.005 χ^2/NDF : 841.6/8

0.183 ± 0.002 χ^2/NDF : 5189.5/26

0.009 ± 0.002 χ^2/NDF : 19667.5/55

-0.155 ± 0.002 χ^2/NDF : 4060.5/28

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -1.889+/-0.230 χ^2/NDF : 271.3/9

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

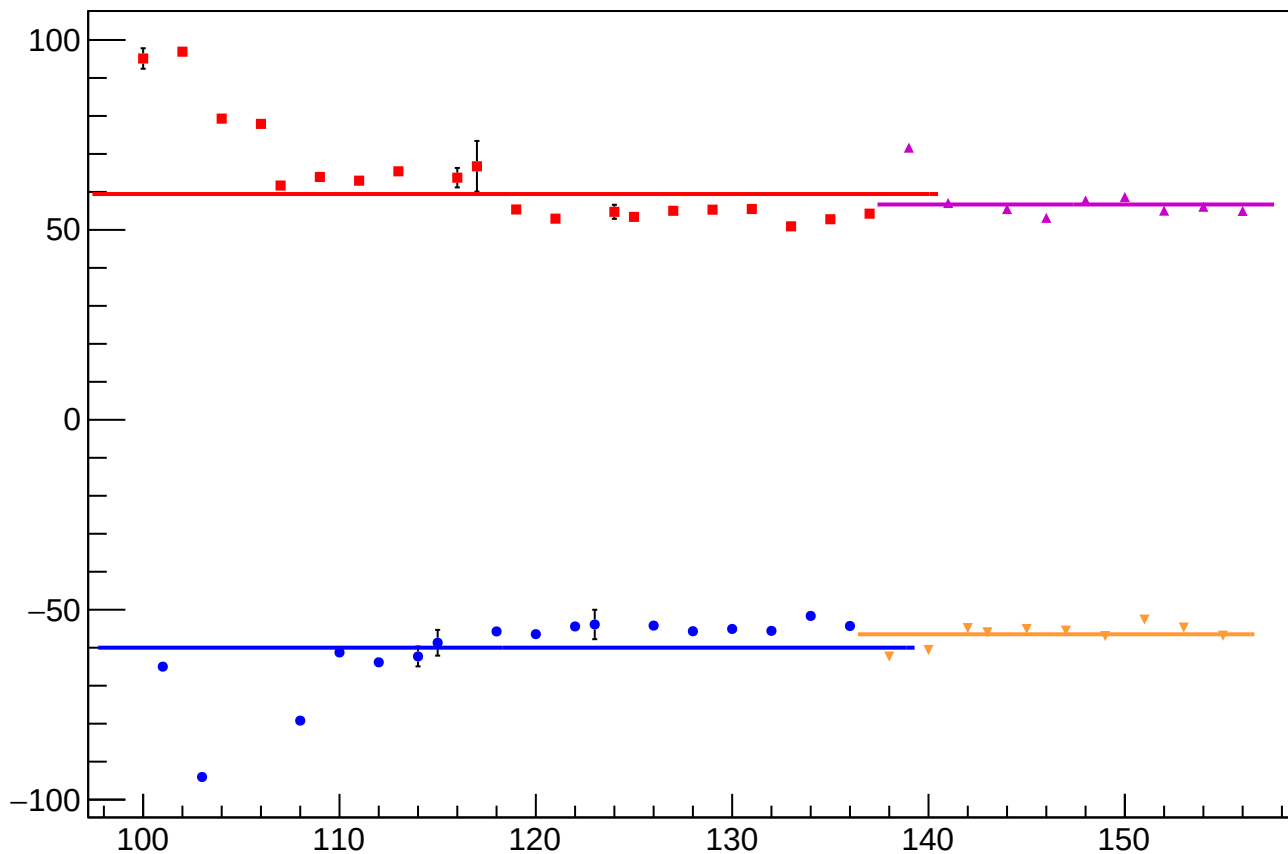
Left In: 2.724+/-0.232 χ^2/NDF : 286.3/8

-1.889+/-0.230 χ^2/NDF : 271.3/9

0.390+/-0.163 χ^2/NDF : 757.2/18

2.724+/-0.232 χ^2/NDF : 286.3/8

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -59.992 ± 0.225 χ^2/NDF : 1972.9/16

Left Out: -56.466 ± 0.165 χ^2/NDF : 251.6/9

Right Out: 59.442 ± 0.212 χ^2/NDF : 2919.1/19

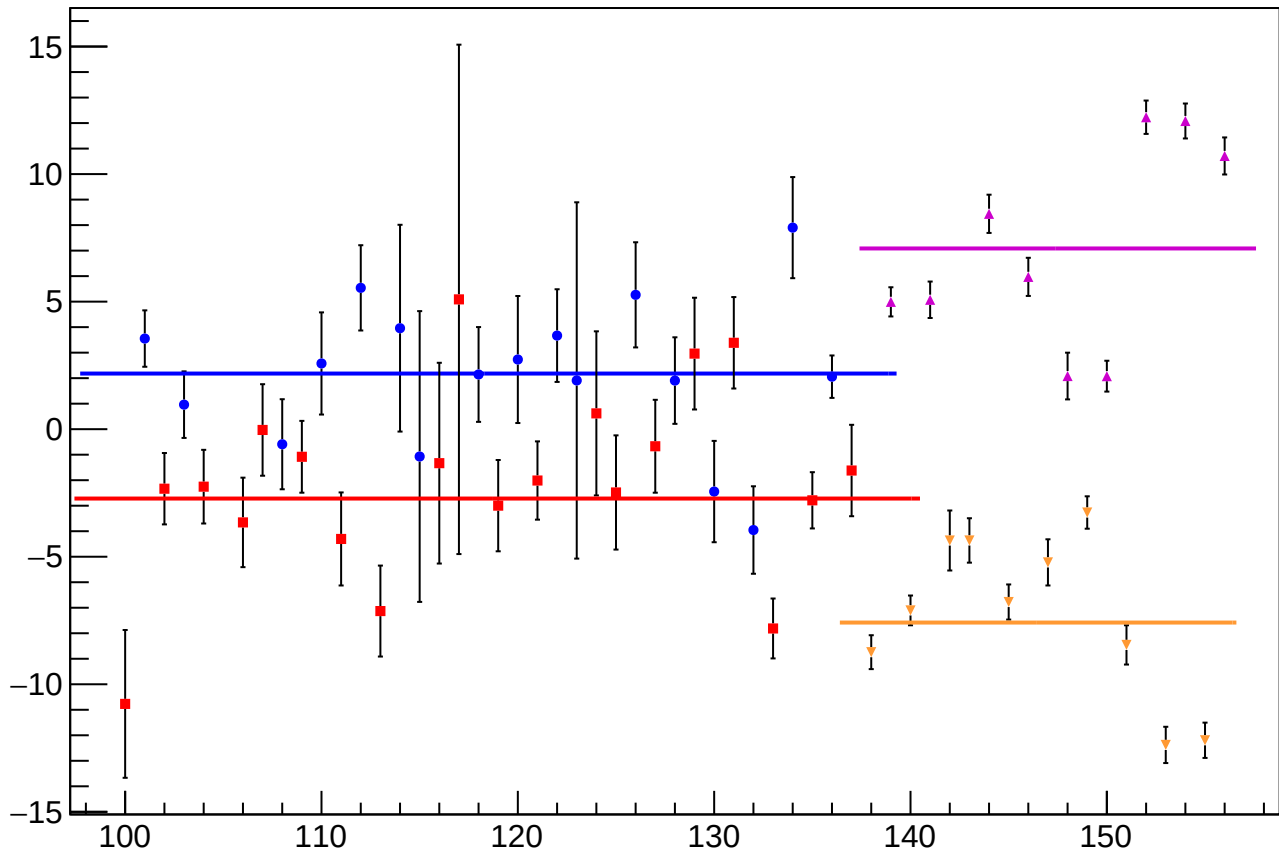
Left In: 56.691 ± 0.172 χ^2/NDF : 345.9/8

-57.700 ± 0.133 χ^2/NDF : 2384.2/26

-0.168 ± 0.094 χ^2/NDF : 380839.1/55

57.785 ± 0.134 χ^2/NDF : 3366.5/28

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.181 ± 0.406 $\chi^2/\text{NDF}: 39.0/16$

Left Out: -7.581 ± 0.231 $\chi^2/\text{NDF}: 170.5/9$

Right Out: -2.719 ± 0.388 $\chi^2/\text{NDF}: 59.5/19$

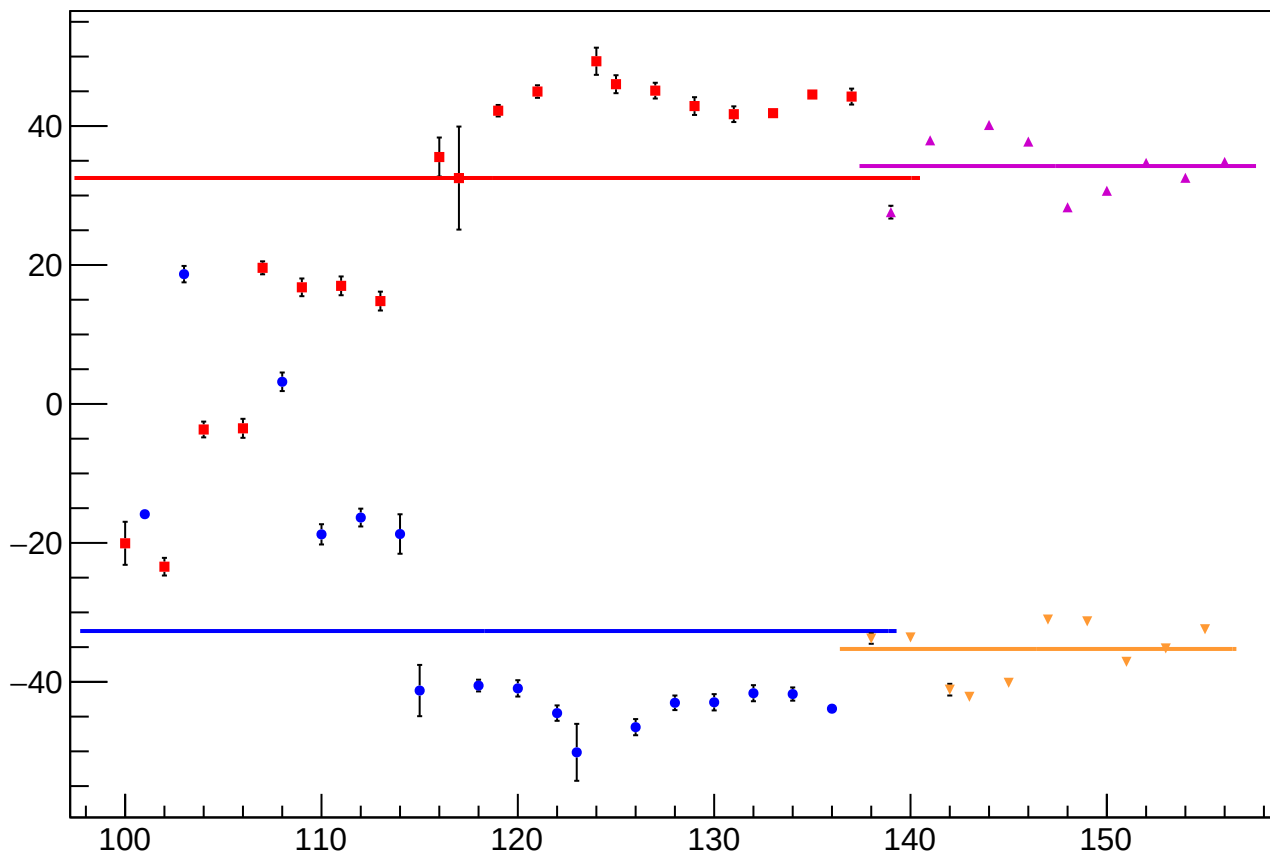
Left In: 7.084 ± 0.230 $\chi^2/\text{NDF}: 265.2/8$

-5.197 ± 0.200 $\chi^2/\text{NDF}: 647.2/26$

-0.272 ± 0.141 $\chi^2/\text{NDF}: 2637.0/55$

4.529 ± 0.198 $\chi^2/\text{NDF}: 797.6/28$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.682 ± 0.256 $\chi^2/\text{NDF}: 4646.9/16$

Left Out: -35.263 ± 0.198 $\chi^2/\text{NDF}: 357.2/9$

Right Out: 32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/19$

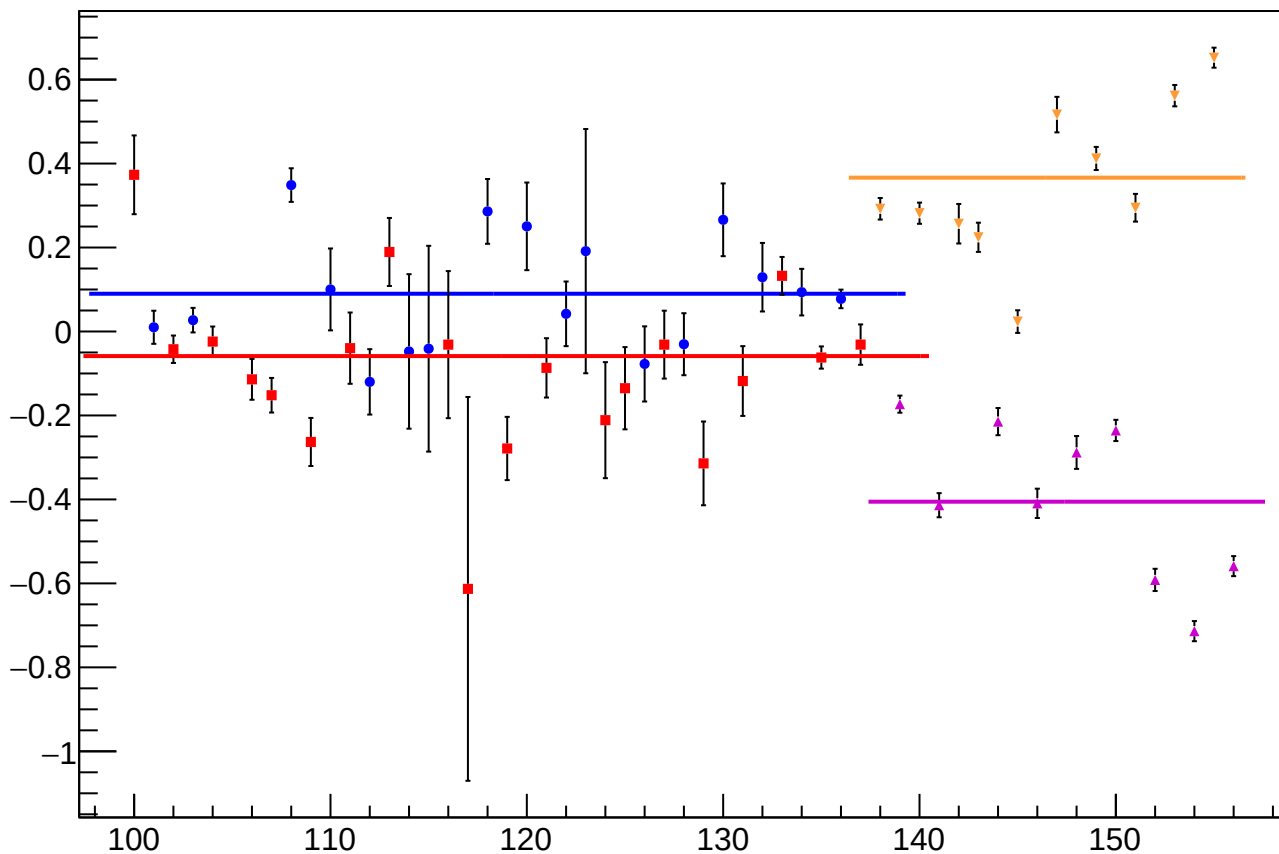
Left In: 34.244 ± 0.204 $\chi^2/\text{NDF}: 360.8/8$

-34.294 ± 0.157 $\chi^2/\text{NDF}: 5067.7/26$

-0.346 ± 0.111 $\chi^2/\text{NDF}: 105238.3/55$

33.534 ± 0.157 $\chi^2/\text{NDF}: 6435.4/28$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.090 ± 0.013 χ^2/NDF : 78.8/16

Left Out: 0.366 ± 0.009 χ^2/NDF : 426.0/9

Right Out: -0.059 ± 0.012 χ^2/NDF : 88.6/19

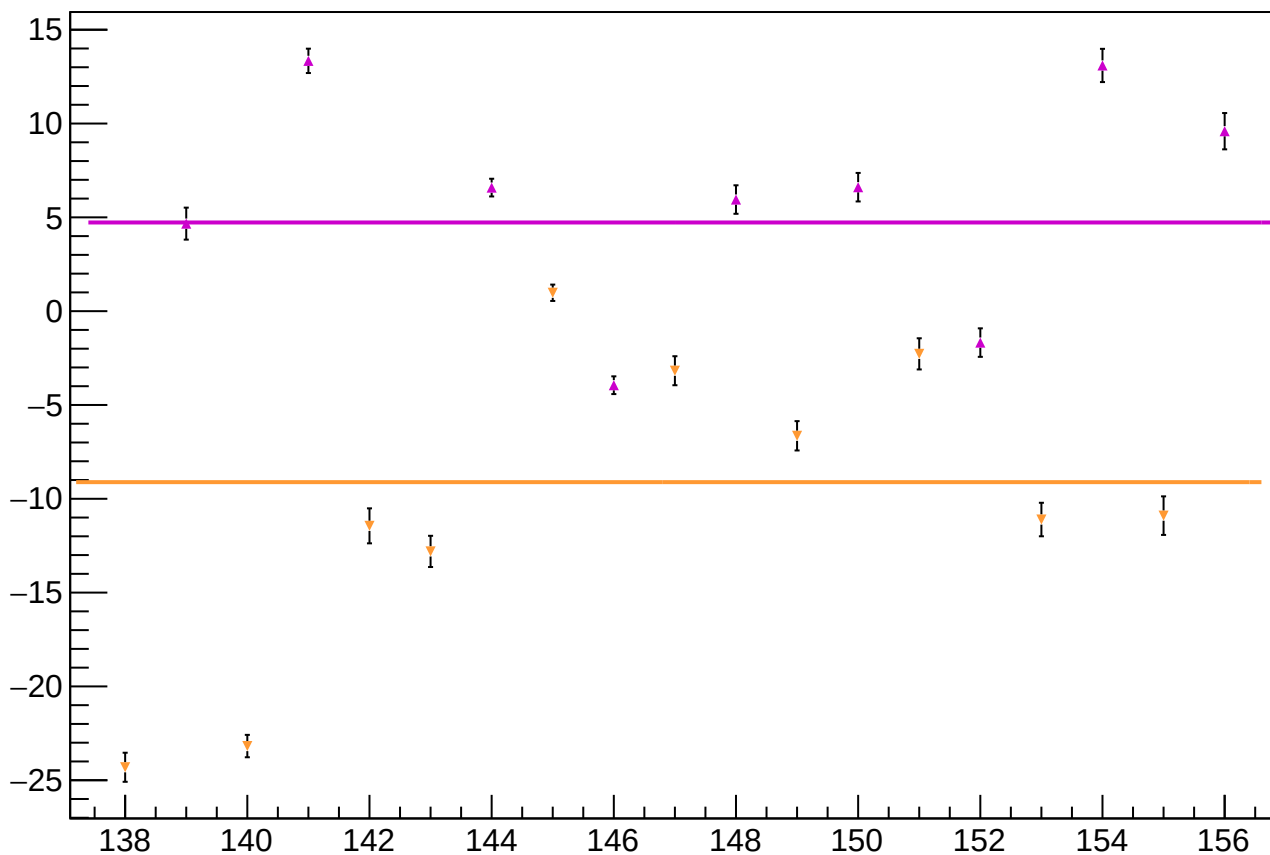
Left In: -0.405 ± 0.009 χ^2/NDF : 474.8/8

0.272 ± 0.007 χ^2/NDF : 814.4/26

-0.016 ± 0.005 χ^2/NDF : 4780.3/55

-0.284 ± 0.007 χ^2/NDF : 1091.3/28

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -9.113+/-0.228 χ^2/NDF : 1647.1/9

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

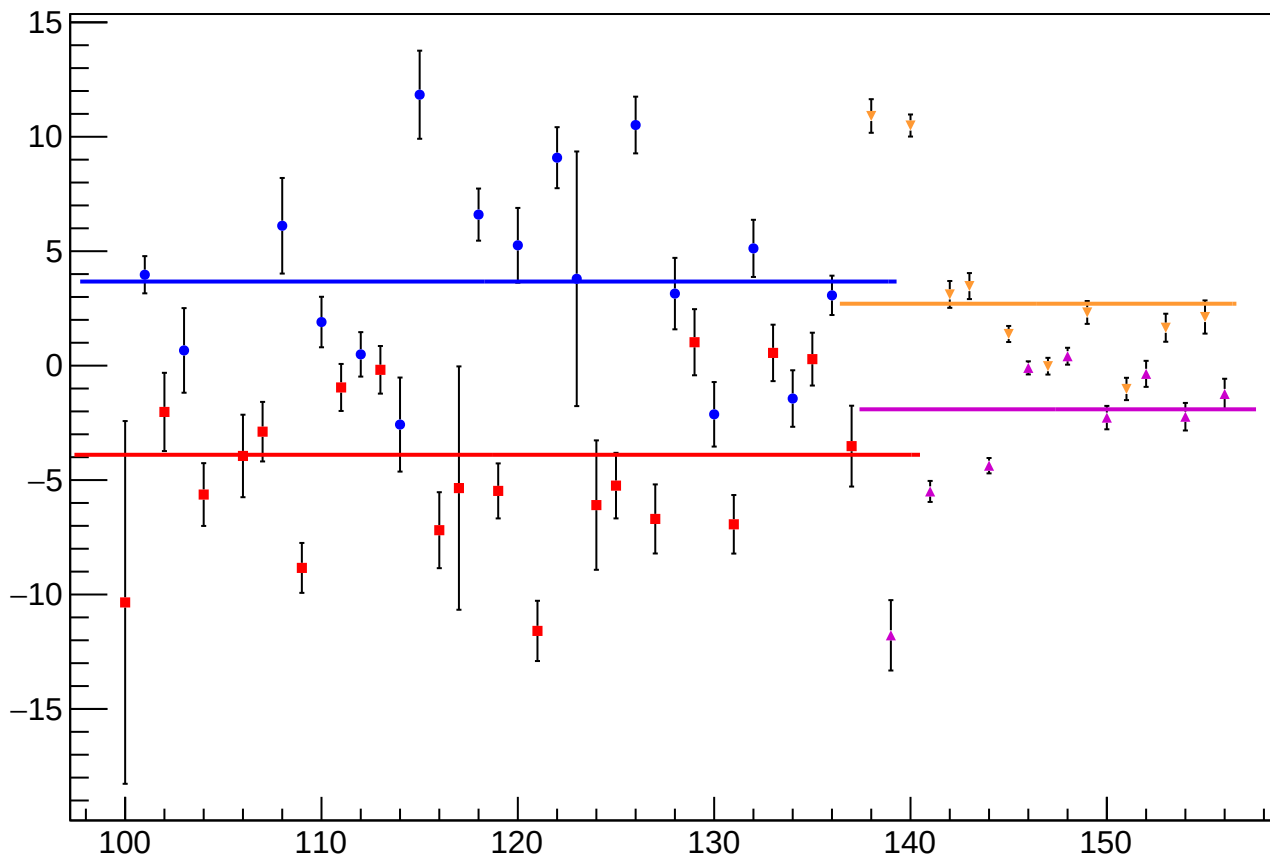
Left In: 4.726+/-0.222 χ^2/NDF : 722.6/8

-9.113+/-0.228 χ^2/NDF : 1647.1/9

-2.025+/-0.159 χ^2/NDF : 4262.2/18

4.726+/-0.222 χ^2/NDF : 722.6/8

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.675 ± 0.310 χ^2/NDF : 135.2/16

Left Out: 2.705 ± 0.157 χ^2/NDF : 519.8/9

Right Out: -3.895 ± 0.316 χ^2/NDF : 133.8/19

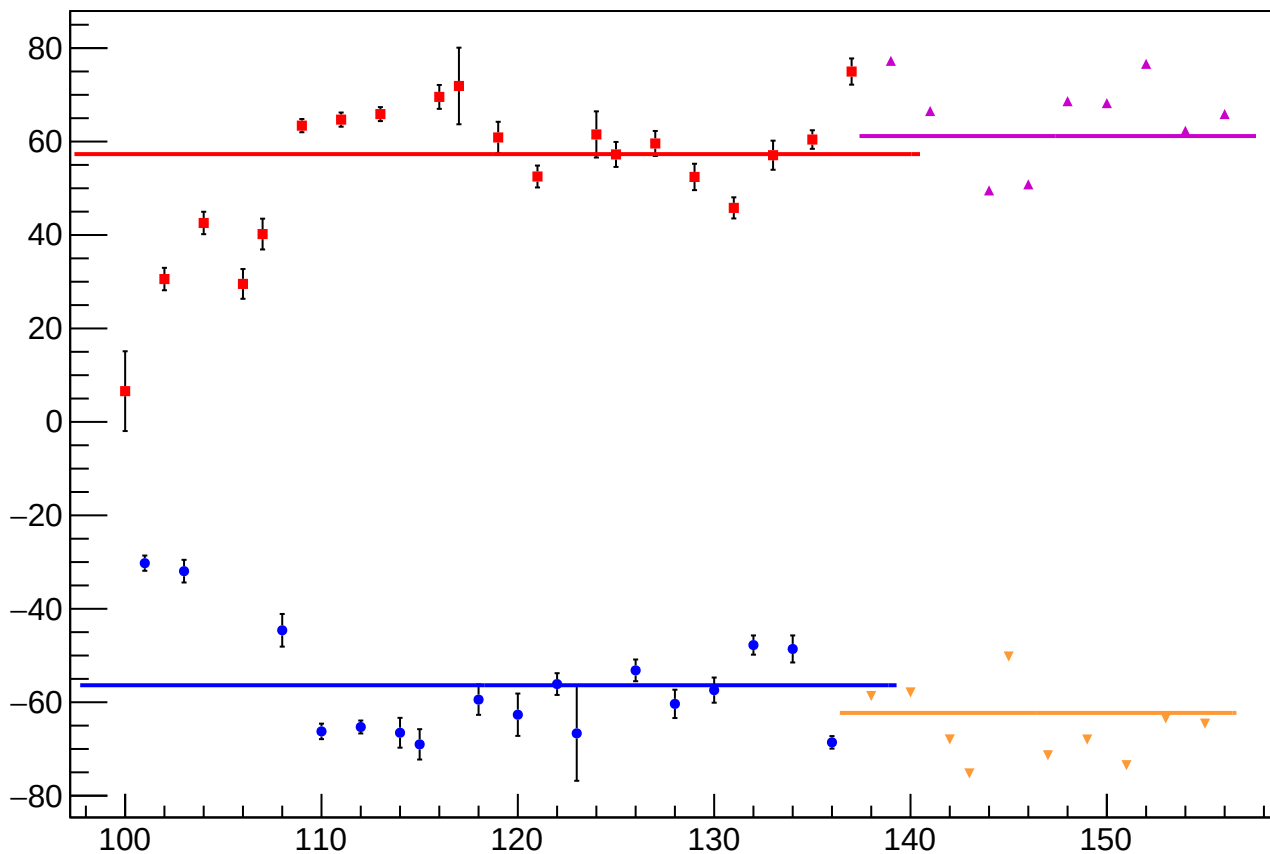
Left In: -1.908 ± 0.148 χ^2/NDF : 244.6/8

2.903 ± 0.140 χ^2/NDF : 662.7/26

0.206 ± 0.097 χ^2/NDF : 1783.3/55

-2.267 ± 0.134 χ^2/NDF : 410.8/28

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -56.362 ± 0.543 χ^2/NDF : 587.2/16

Left Out: -62.280 ± 0.231 χ^2/NDF : 1413.3/9

Right Out: 57.314 ± 0.535 χ^2/NDF : 479.2/19

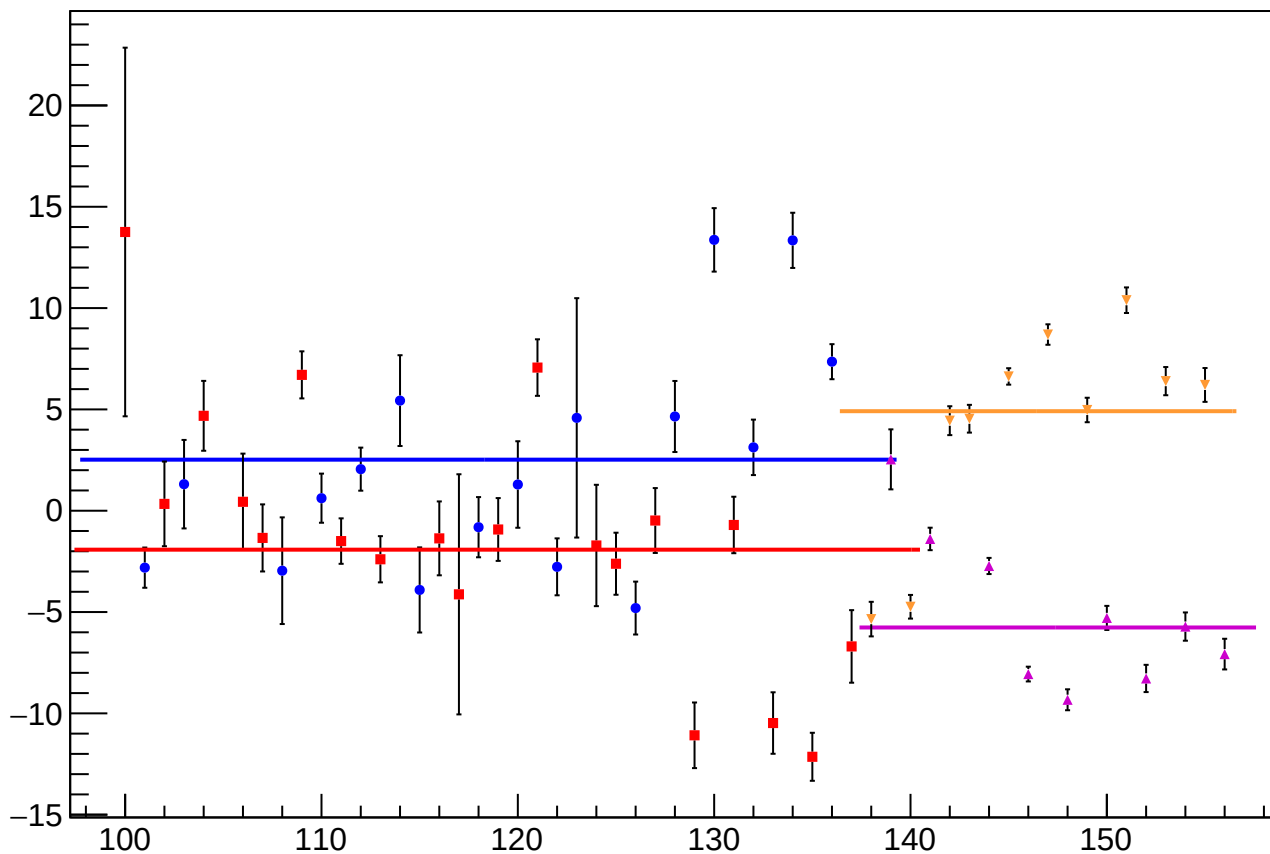
Left In: 61.178 ± 0.220 χ^2/NDF : 2101.4/8

-61.374 ± 0.213 χ^2/NDF : 2101.0/26

2.231 ± 0.147 χ^2/NDF : 176369.1/55

60.618 ± 0.204 χ^2/NDF : 2625.2/28

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.520 ± 0.347 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

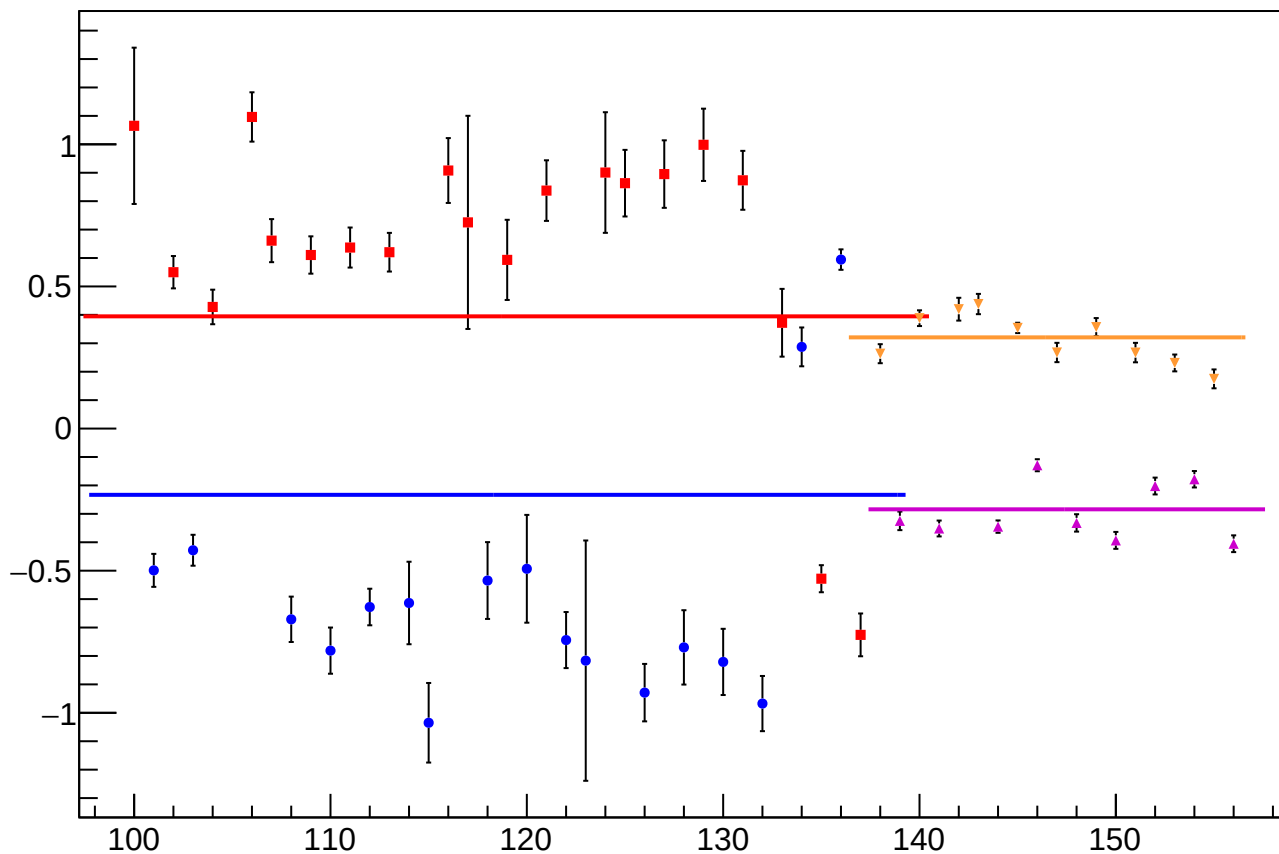
Left In: -5.762 ± 0.182 χ^2/NDF : 256.5/8

4.352 ± 0.168 χ^2/NDF : 853.4/26

-0.470 ± 0.117 χ^2/NDF : 3059.5/55

-4.959 ± 0.162 χ^2/NDF : 614.1/28

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.233 ± 0.019 χ^2/NDF : 956.8/16

Left Out: 0.321 ± 0.009 χ^2/NDF : 63.9/9

Right Out: 0.395 ± 0.019 χ^2/NDF : 845.9/19

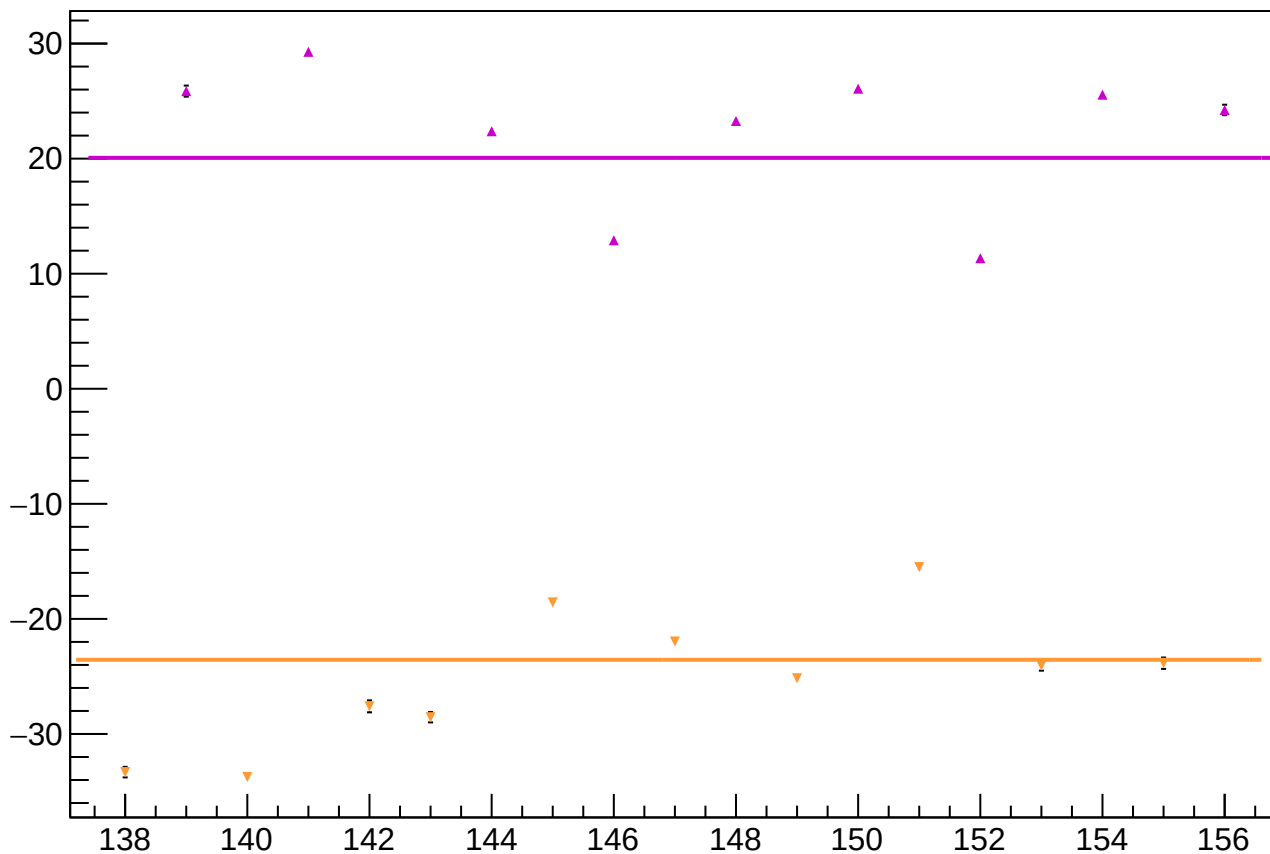
Left In: -0.284 ± 0.009 χ^2/NDF : 122.7/8

0.211 ± 0.008 χ^2/NDF : 1709.9/26

0.021 ± 0.006 χ^2/NDF : 4721.0/55

-0.158 ± 0.008 χ^2/NDF : 2013.0/28

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -23.552+/-0.112 χ^2/NDF : 2682.8/9

-23.552+/-0.112 χ^2/NDF : 2682.8/9

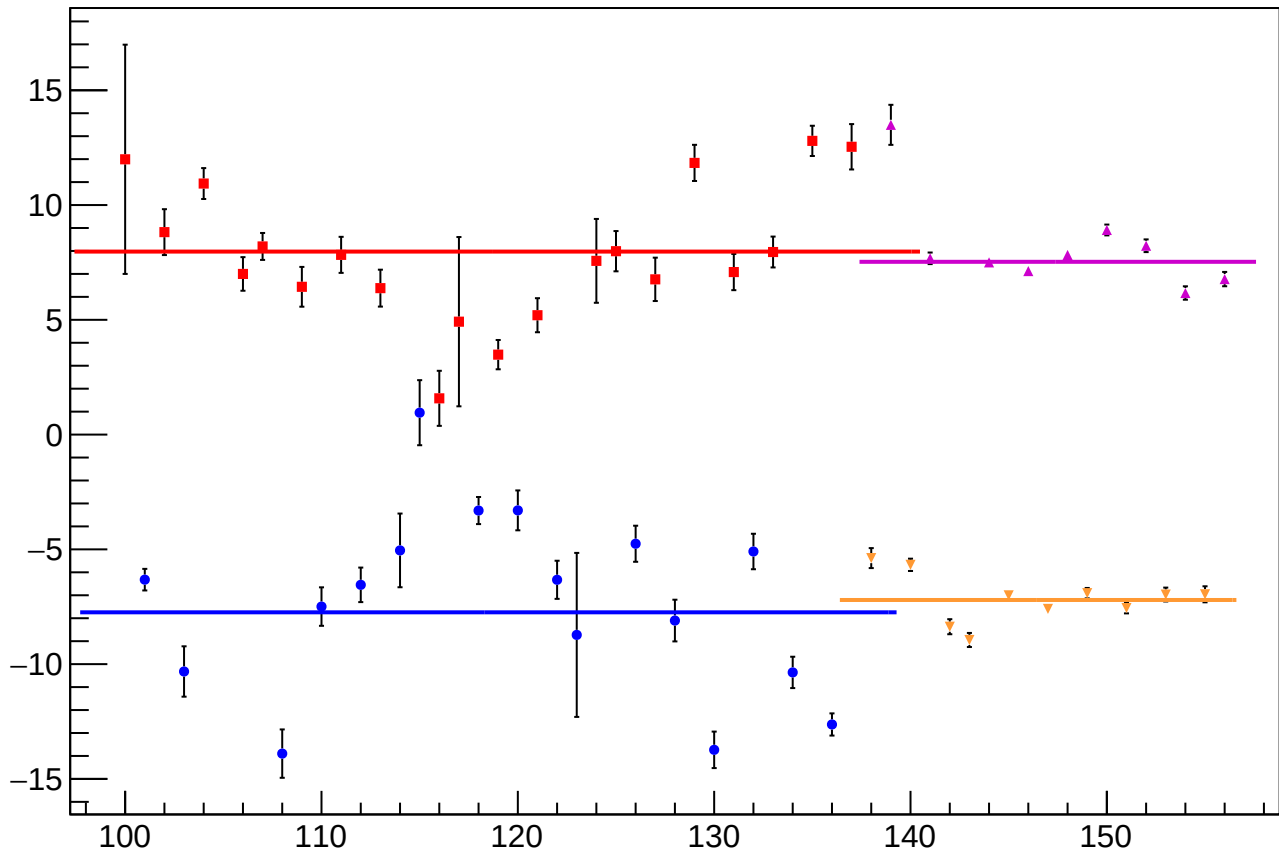
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.011+/-0.076 χ^2/NDF : 88559.5/18

Left In: 20.066+/-0.103 χ^2/NDF : 3556.8/8

20.066+/-0.103 χ^2/NDF : 3556.8/8

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.743 ± 0.187 χ^2/NDF : 377.5/16

Left Out: -7.205 ± 0.077 χ^2/NDF : 107.1/9

Right Out: 7.973 ± 0.186 χ^2/NDF : 224.2/19

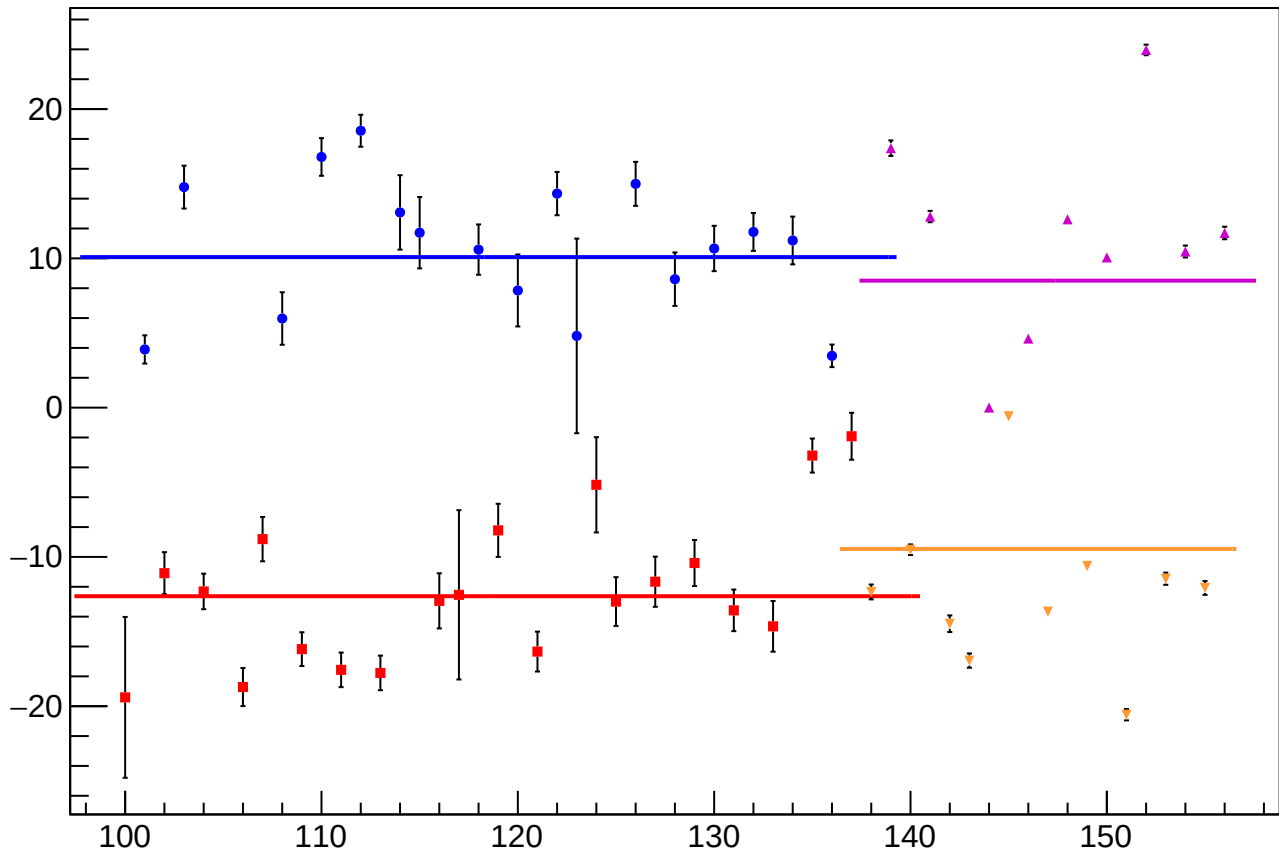
Left In: 7.527 ± 0.068 χ^2/NDF : 130.7/8

-7.282 ± 0.071 χ^2/NDF : 491.7/26

0.912 ± 0.048 χ^2/NDF : 25065.2/55

7.580 ± 0.064 χ^2/NDF : 360.0/28

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 10.083 ± 0.338 χ^2/NDF : 252.7/16

Left Out: -9.466 ± 0.113 χ^2/NDF : 3296.1/9

Right Out: -12.631 ± 0.332 χ^2/NDF : 218.6/19

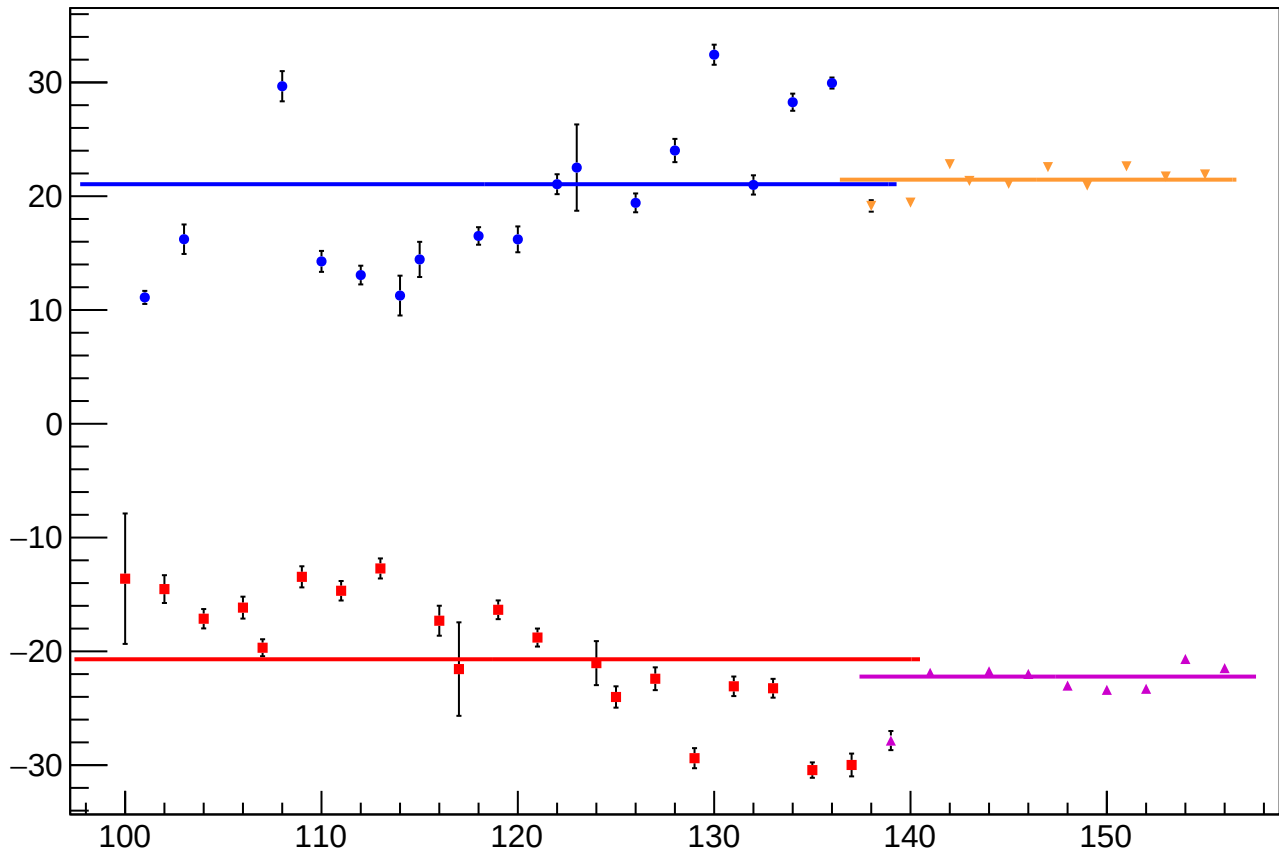
Left In: 8.507 ± 0.102 χ^2/NDF : 4298.2/8

-7.510 ± 0.107 χ^2/NDF : 6560.7/26

0.270 ± 0.072 χ^2/NDF : 24456.9/55

6.698 ± 0.097 χ^2/NDF : 8221.8/28

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 21.055 ± 0.211 χ^2/NDF : 1211.8/16

Left Out: 21.455 ± 0.094 χ^2/NDF : 117.8/9

Right Out: -20.696 ± 0.212 χ^2/NDF : 724.1/19

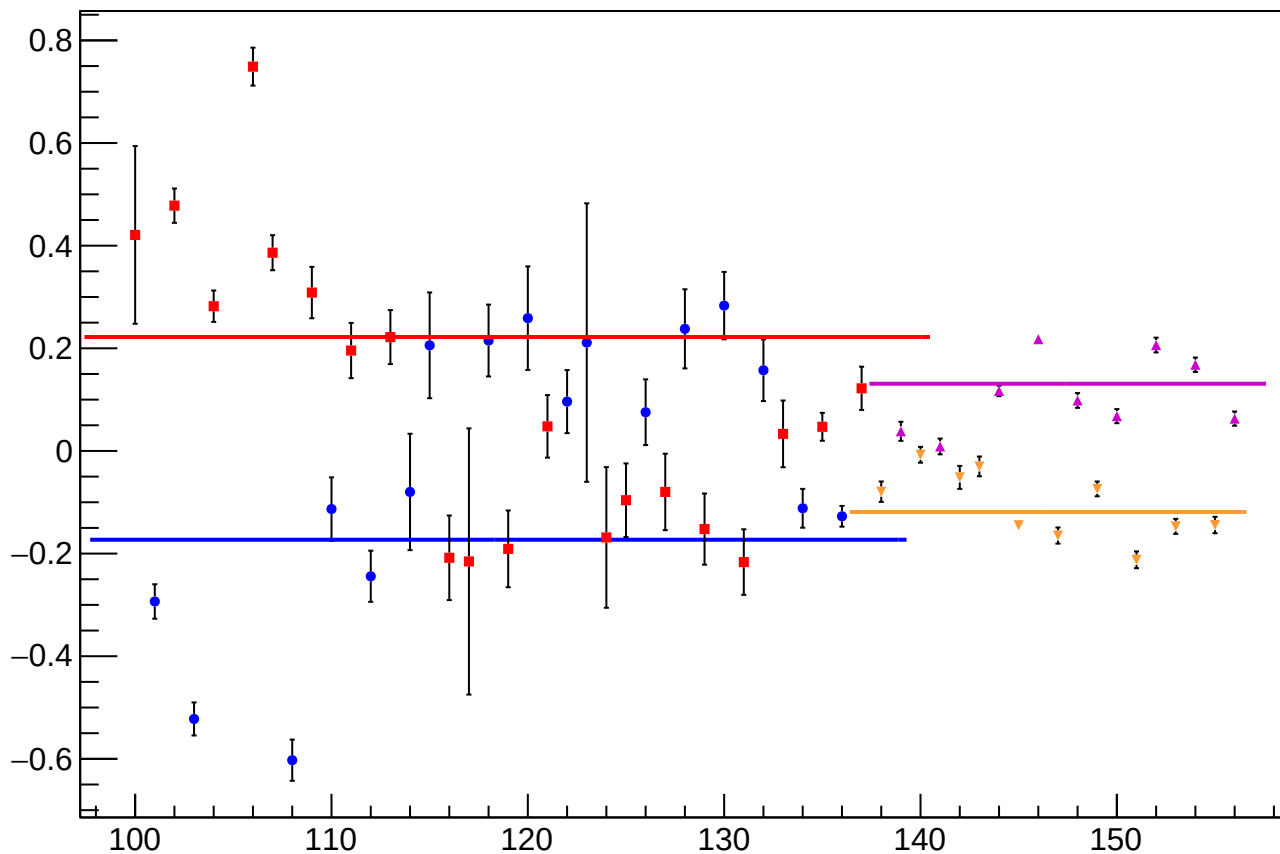
Left In: -22.218 ± 0.084 χ^2/NDF : 119.2/8

21.389 ± 0.086 χ^2/NDF : 1332.5/26

-2.345 ± 0.058 χ^2/NDF : 142737.3/55

-22.013 ± 0.078 χ^2/NDF : 887.7/28

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.173 ± 0.011 χ^2/NDF : 461.8/16

Left Out: -0.119 ± 0.005 χ^2/NDF : 153.8/9

Right Out: 0.222 ± 0.011 χ^2/NDF : 538.0/19

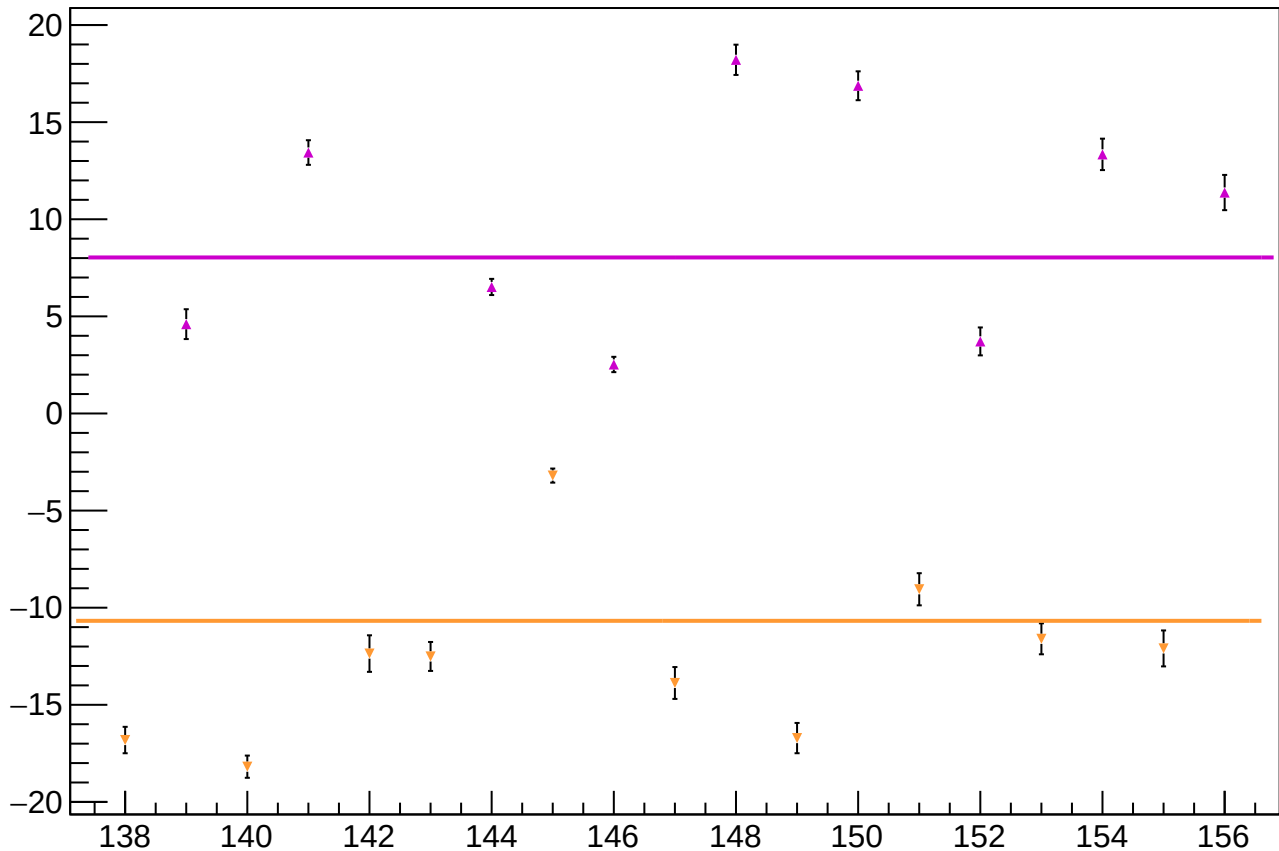
Left In: 0.131 ± 0.004 χ^2/NDF : 280.5/8

-0.127 ± 0.004 χ^2/NDF : 635.6/26

0.018 ± 0.003 χ^2/NDF : 3681.5/55

0.143 ± 0.004 χ^2/NDF : 878.7/28

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -10.676+/-0.208 χ^2/NDF : 770.9/9

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

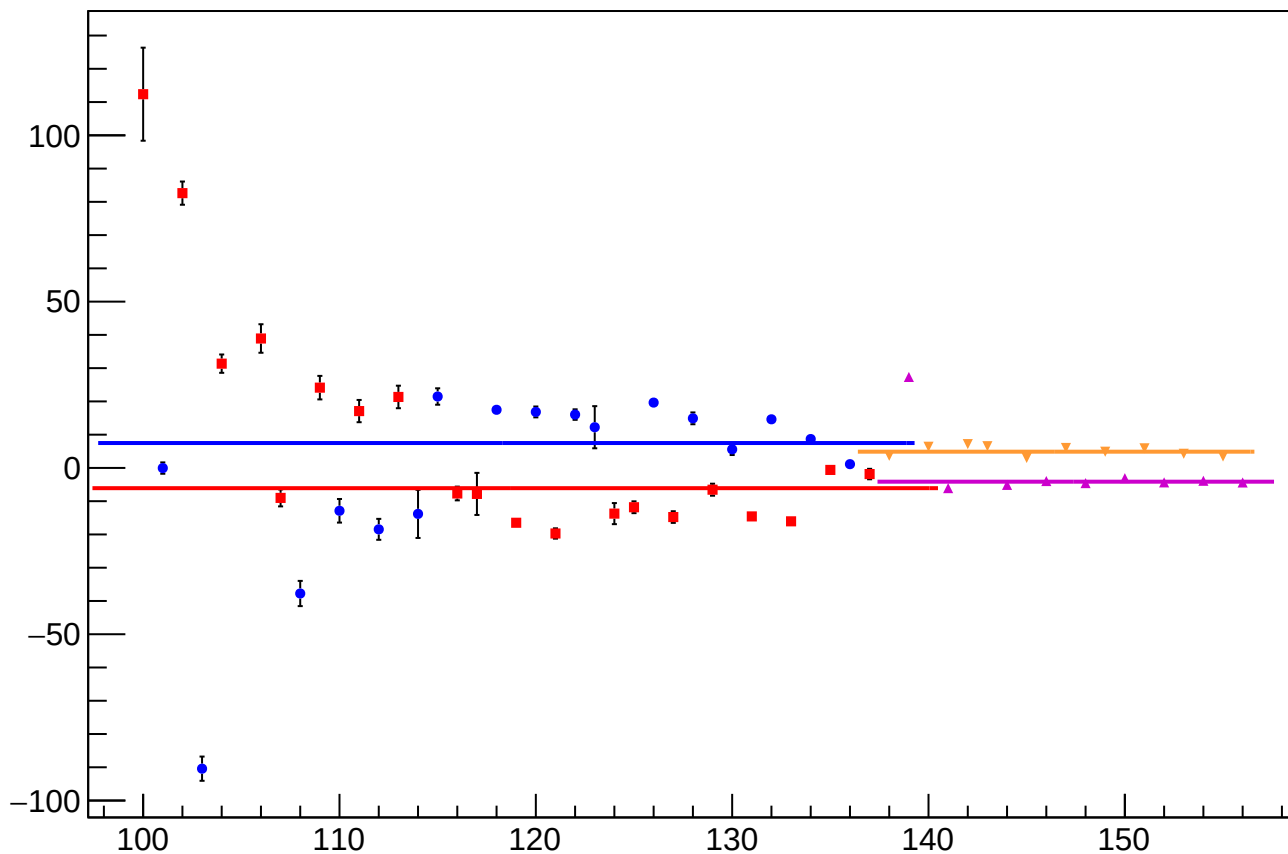
Left In: 8.033+/-0.202 χ^2/NDF : 705.6/8

-10.676+/-0.208 χ^2/NDF : 770.9/9

-1.040+/-0.145 χ^2/NDF : 5637.2/18

8.033+/-0.202 χ^2/NDF : 705.6/8

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.488 ± 0.407 χ^2/NDF : 1340.5/16

Left Out: 4.886 ± 0.147 χ^2/NDF : 101.2/9

Right Out: -6.086 ± 0.433 χ^2/NDF : 1512.2/19

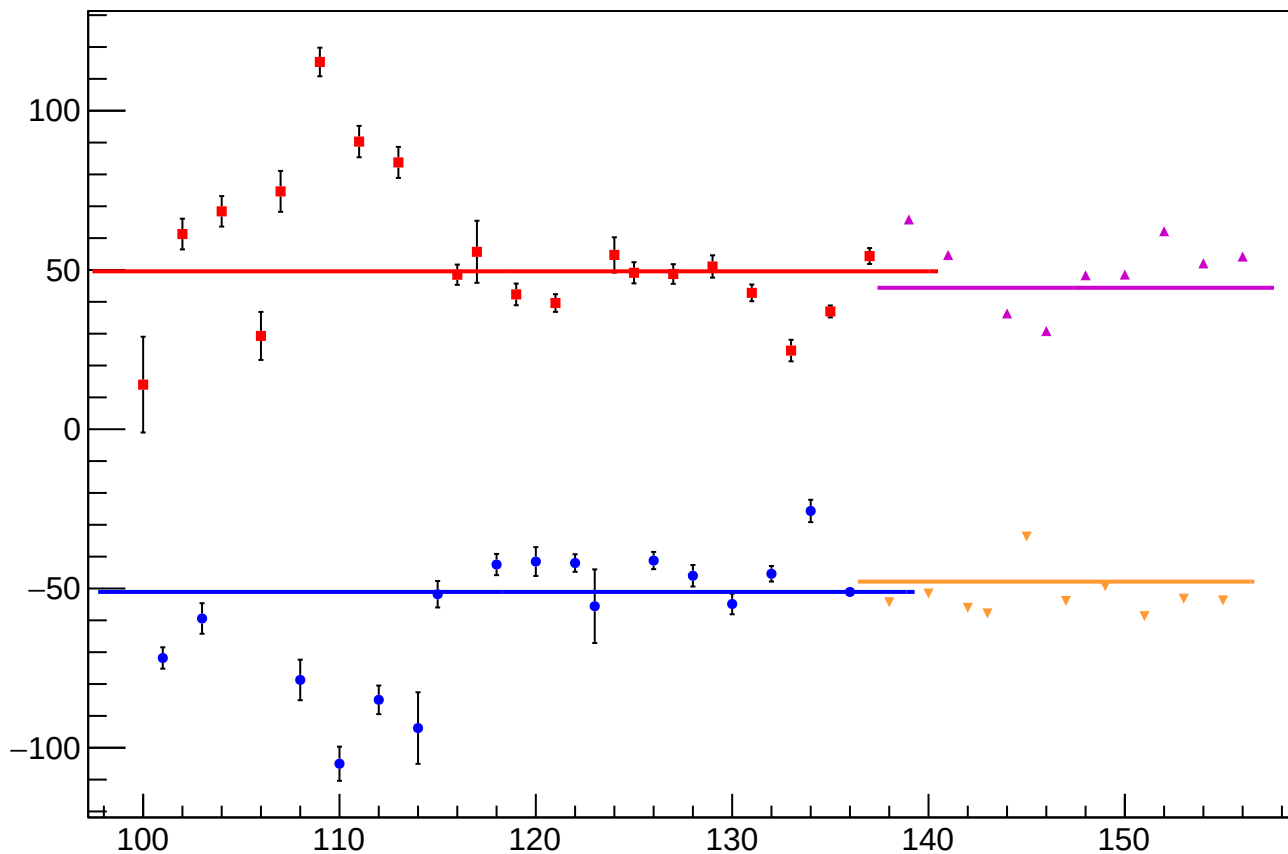
Left In: -4.136 ± 0.137 χ^2/NDF : 555.5/8

5.187 ± 0.138 χ^2/NDF : 1477.9/26

0.183 ± 0.095 χ^2/NDF : 6052.7/55

-4.314 ± 0.131 χ^2/NDF : 2086.1/28

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -51.077 ± 0.741 χ^2/NDF : 330.2/16

Left Out: -47.845 ± 0.213 χ^2/NDF : 2022.7/9

Right Out: 49.579 ± 0.796 χ^2/NDF : 510.0/19

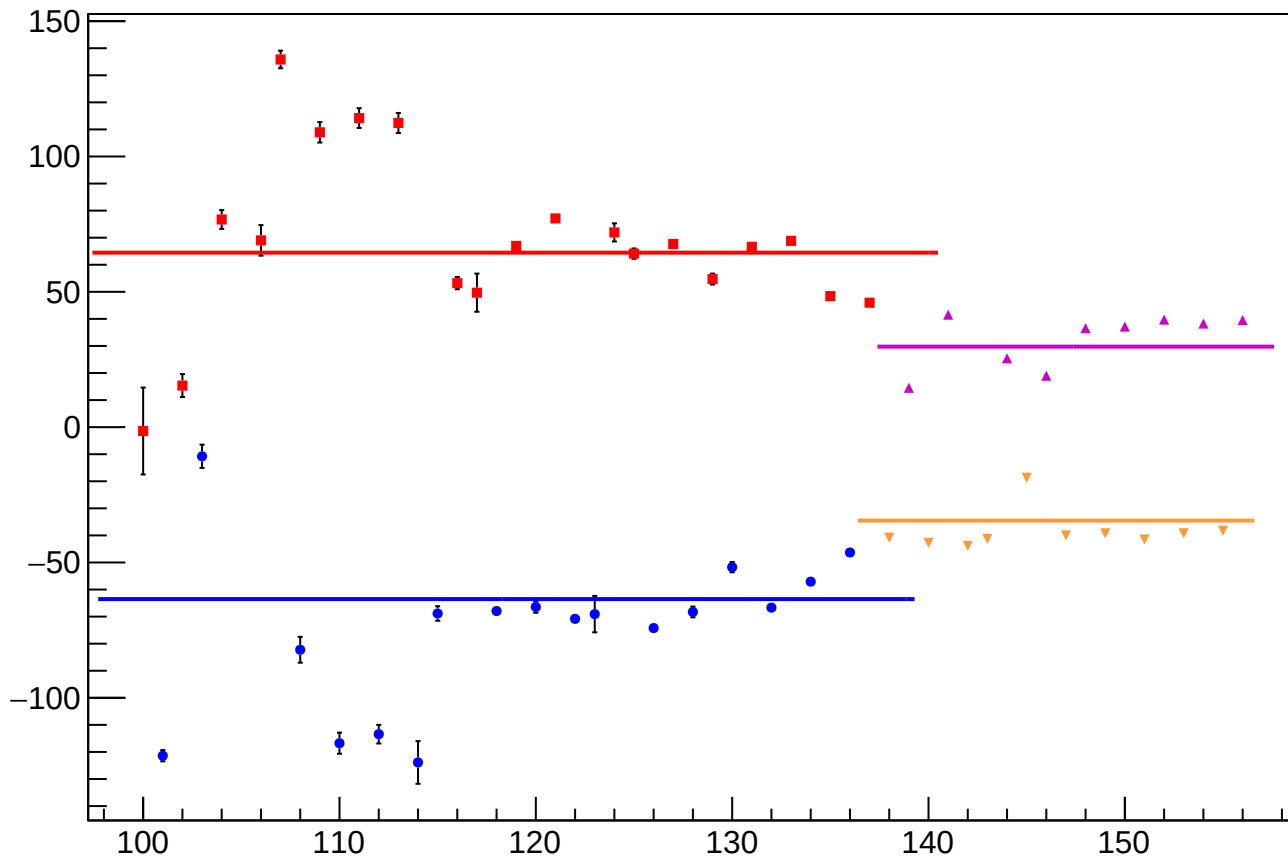
Left In: 44.410 ± 0.201 χ^2/NDF : 3474.9/8

-48.091 ± 0.204 χ^2/NDF : 2370.5/26

0.609 ± 0.141 χ^2/NDF : 114542.2/55

44.719 ± 0.195 χ^2/NDF : 4024.5/28

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -63.525 ± 0.449 χ^2/NDF : 2010.9/16

Left Out: -34.521 ± 0.178 χ^2/NDF : 3192.7/9

Right Out: 64.470 ± 0.482 χ^2/NDF : 1607.5/19

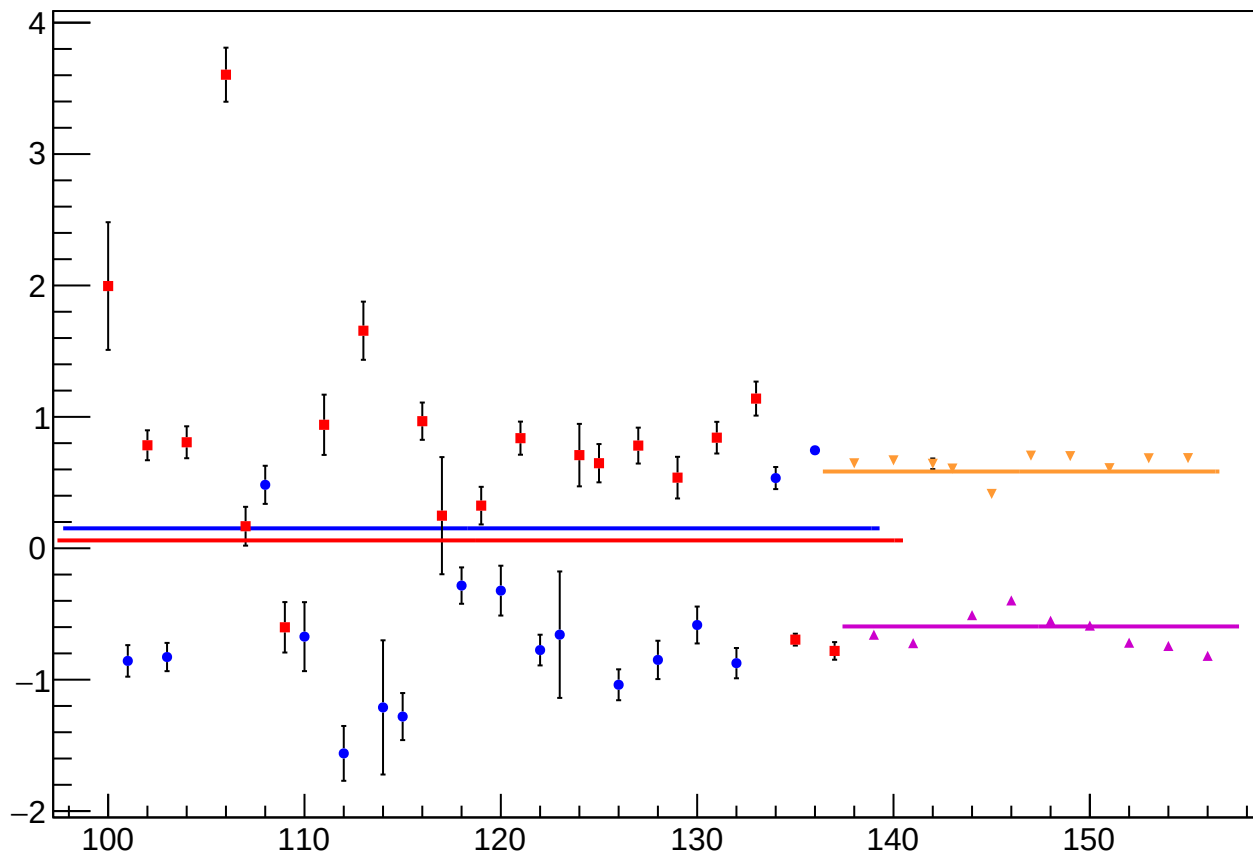
Left In: 29.749 ± 0.168 χ^2/NDF : 2868.8/8

-38.461 ± 0.165 χ^2/NDF : 8814.8/26

-0.926 ± 0.114 χ^2/NDF : 116704.7/55

33.500 ± 0.158 χ^2/NDF : 9108.2/28

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.152 $\pm$ 0.024 χ^2 /NDF: 987.4/16

Left Out: 0.536 $\pm$ 0.008 χ^2 /NDF: 1469.5/26

Right Out: 0.060 $\pm$ 0.026 χ^2 /NDF: 1162.1/19

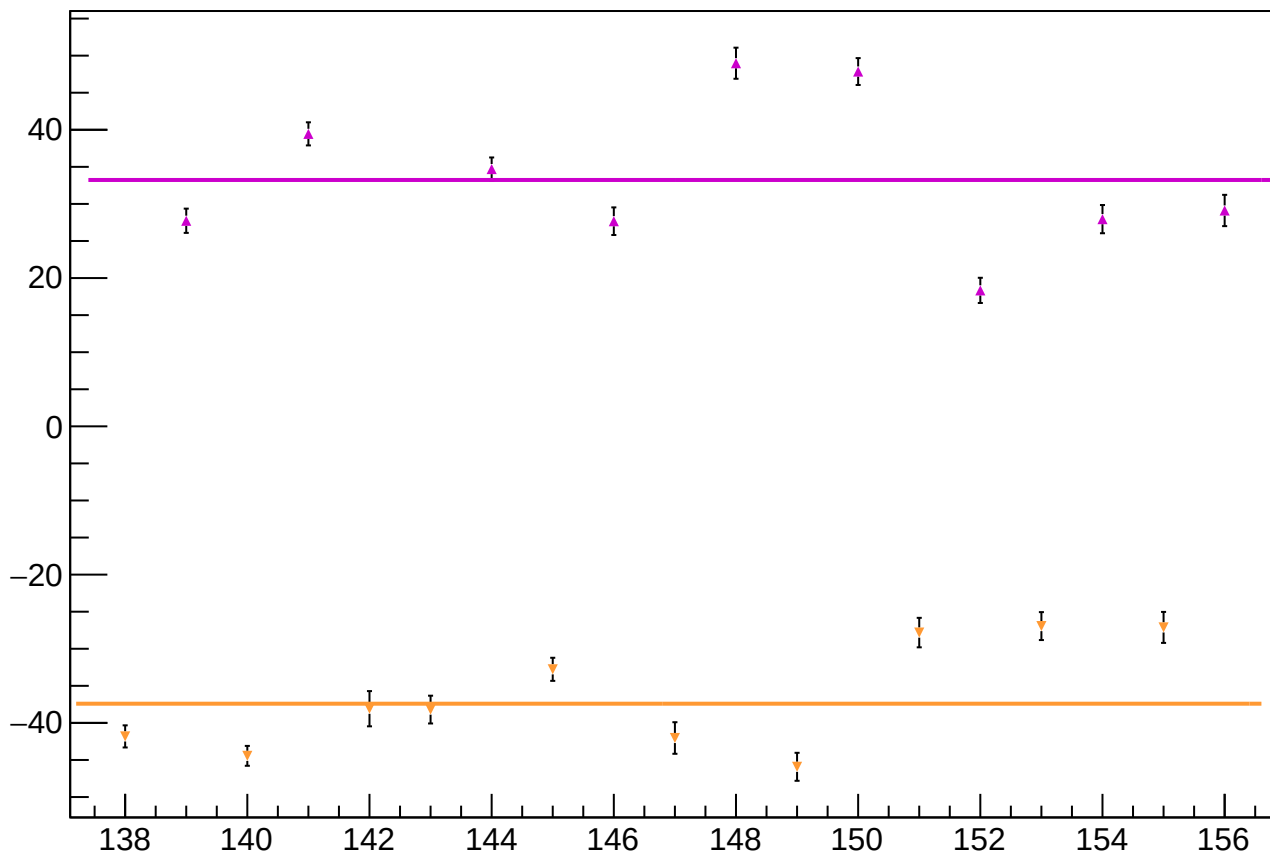
Left In: -0.536 $\pm$ 0.008 χ^2 /NDF: 2015.7/28

0.536 $\pm$ 0.008 χ^2 /NDF: 1469.5/26

-0.011 $\pm$ 0.006 χ^2 /NDF: 12490.6/55

-0.536 $\pm$ 0.008 χ^2 /NDF: 2015.7/28

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -37.410+/-0.564 χ^2/NDF : 148.8/9

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

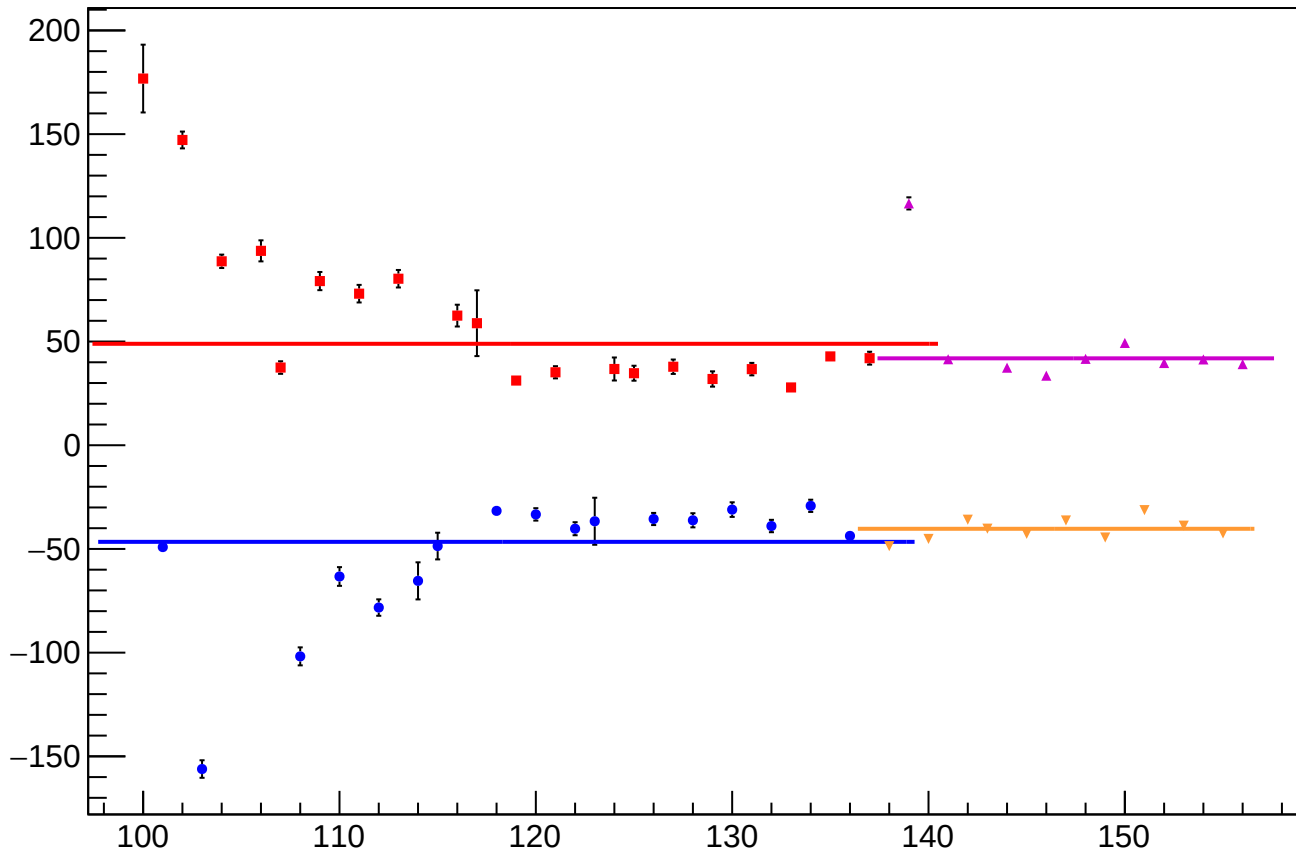
Left In: 33.231+/-0.591 χ^2/NDF : 246.9/8

-37.410+/-0.564 χ^2/NDF : 148.8/9

-3.748+/-0.408 χ^2/NDF : 7871.6/18

33.231+/-0.591 χ^2/NDF : 246.9/8

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -46.579 ± 0.730 χ^2/NDF : 1076.4/16

Left Out: -40.282 ± 0.396 χ^2/NDF : 153.9/9

Right Out: 48.911 ± 0.763 χ^2/NDF : 1277.9/19

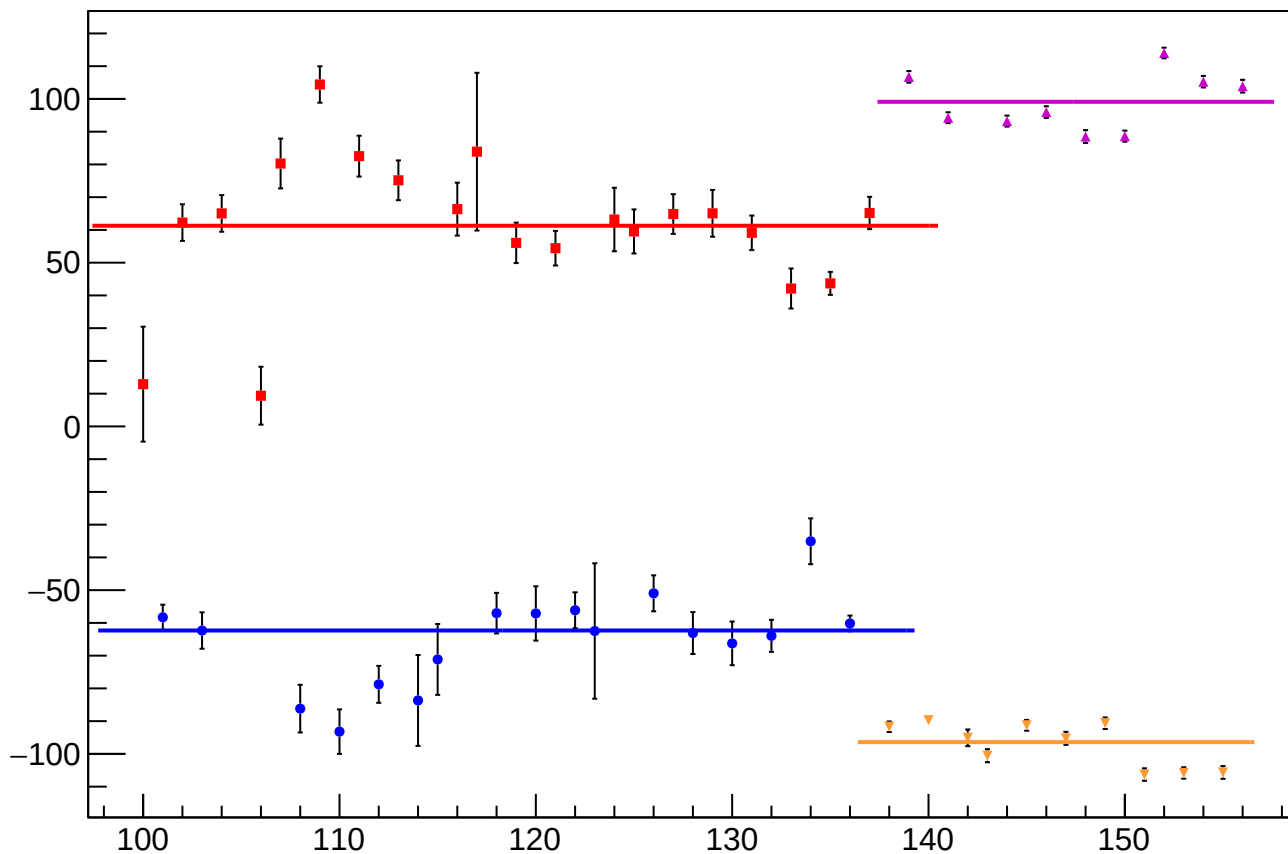
Left In: 41.899 ± 0.415 χ^2/NDF : 764.3/8

-41.712 ± 0.348 χ^2/NDF : 1287.9/26

-1.111 ± 0.252 χ^2/NDF : 31998.0/55

43.502 ± 0.365 χ^2/NDF : 2107.4/28

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.315+/-1.316 χ^2/NDF : 67.1/16

Left Out: -96.402+/-0.570 χ^2/NDF :134.3/9

Right Out: 61.277+/-1.379 χ^2/NDF : 165.9/19

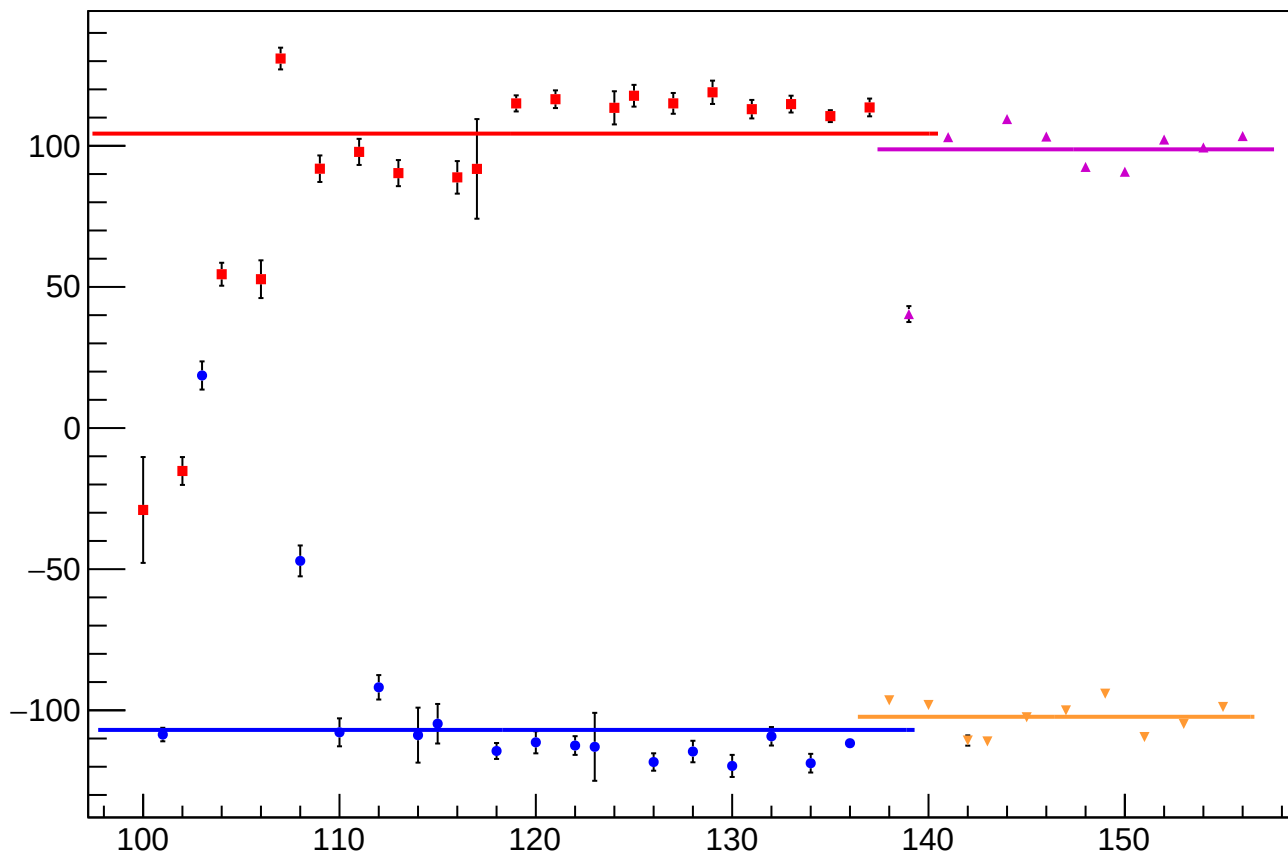
Left In: 99.127+/-0.585 χ^2/NDF :212.0/8

-91.020+/-0.523 χ^2/NDF : 766.7/26

-1.595+/-0.375 χ^2/NDF : 62119.3/55

93.350+/-0.539 χ^2/NDF : 1016.6/28

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -106.954 ± 0.817 χ^2/NDF : 827.2/16

Left Out: -102.300 ± 0.480 χ^2/NDF : 138.5/9

Right Out: 104.326 ± 0.860 χ^2/NDF : 1021.5/19

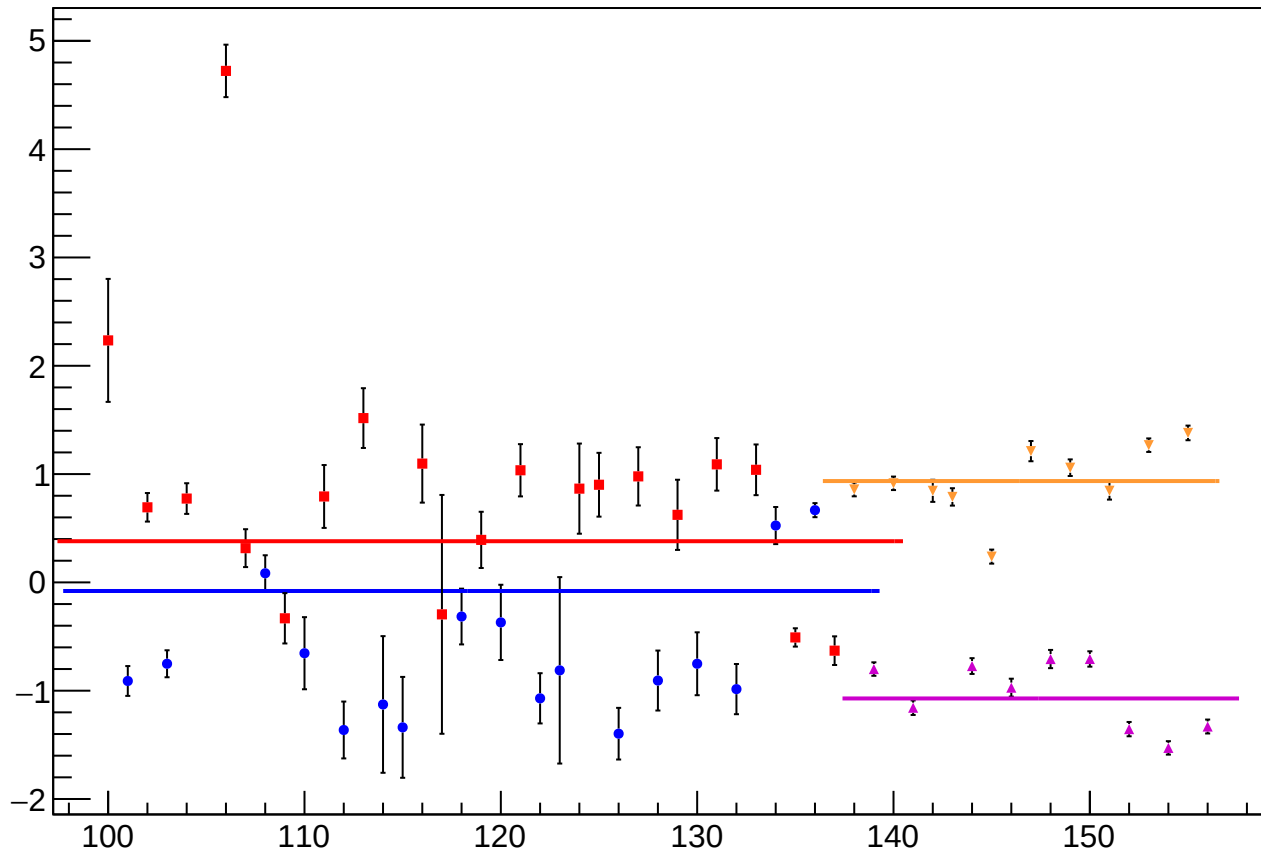
Left In: 98.750 ± 0.501 χ^2/NDF : 578.5/8

-103.496 ± 0.414 χ^2/NDF : 989.8/26

-6.193 ± 0.299 χ^2/NDF : 118145.3/55

100.162 ± 0.433 χ^2/NDF : 1631.3/28

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.079 ± 0.042 χ^2/NDF : 328.5/16

Left Out: 0.936 ± 0.023 χ^2/NDF : 205.3/9

Right Out: 0.380 ± 0.044 χ^2/NDF : 580.9/19

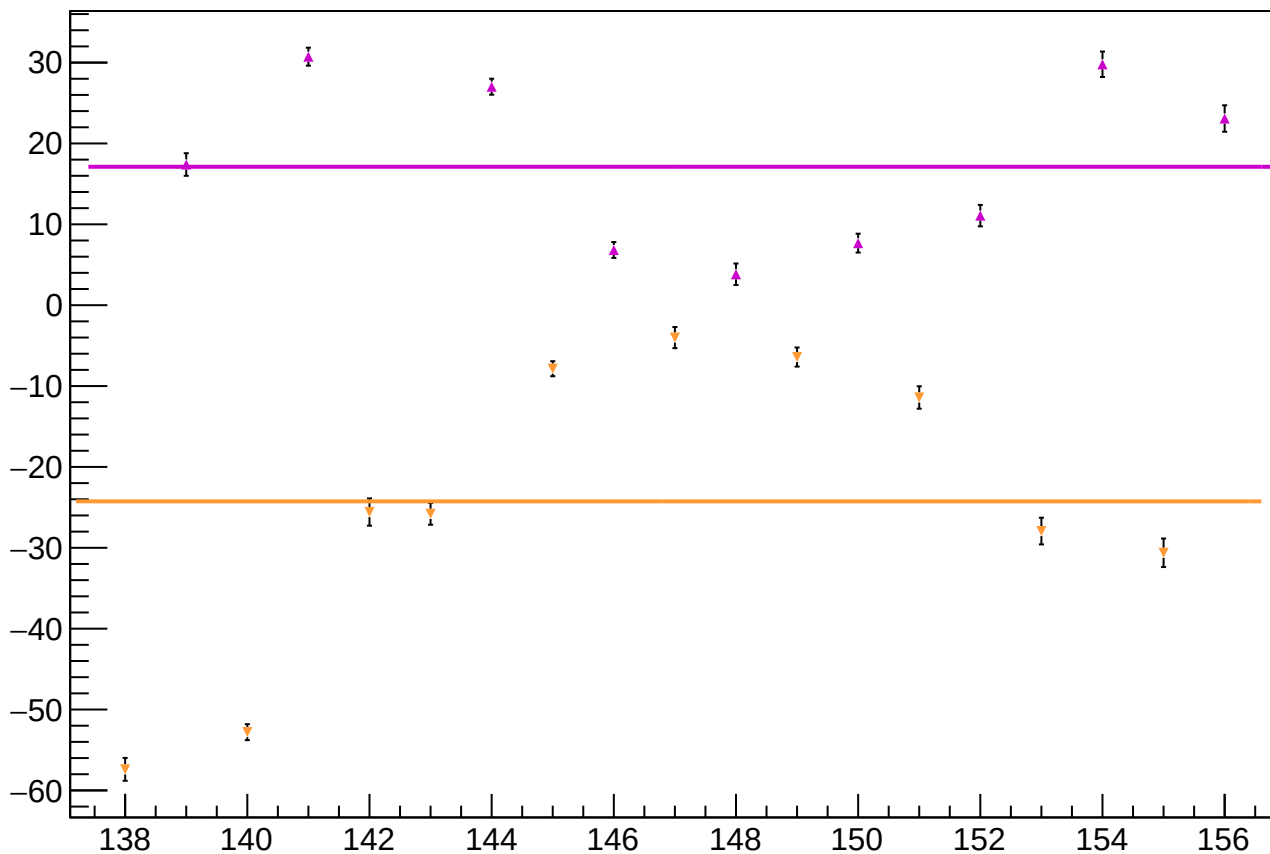
Left In: -1.072 ± 0.023 χ^2/NDF : 172.7/8

0.705 ± 0.020 χ^2/NDF : 979.3/26

-0.018 ± 0.014 χ^2/NDF : 5193.7/55

-0.759 ± 0.020 χ^2/NDF : 1608.9/28

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -24.257+/-0.405 χ^2/NDF : 2266.3/9

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

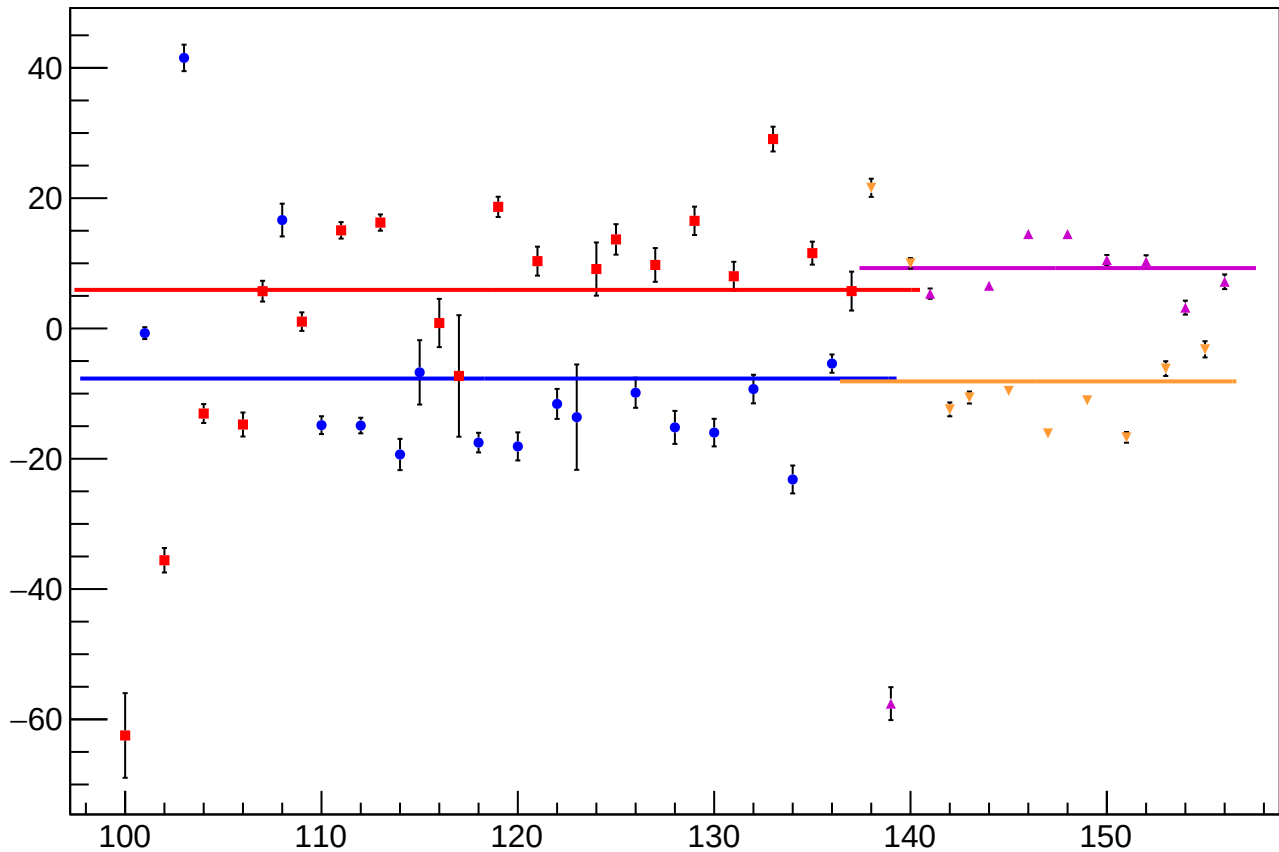
Left In: 17.116+/-0.407 χ^2/NDF : 624.5/8

-24.257+/-0.405 χ^2/NDF : 2266.3/9

-3.690+/-0.287 χ^2/NDF : 8081.6/18

17.116+/-0.407 χ^2/NDF : 624.5/8

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.686 ± 0.430 χ^2/NDF : 975.9/16

Left Out: -8.122 ± 0.277 χ^2/NDF : 1292.2/9

Right Out: 5.925 ± 0.428 χ^2/NDF : 1300.1/19

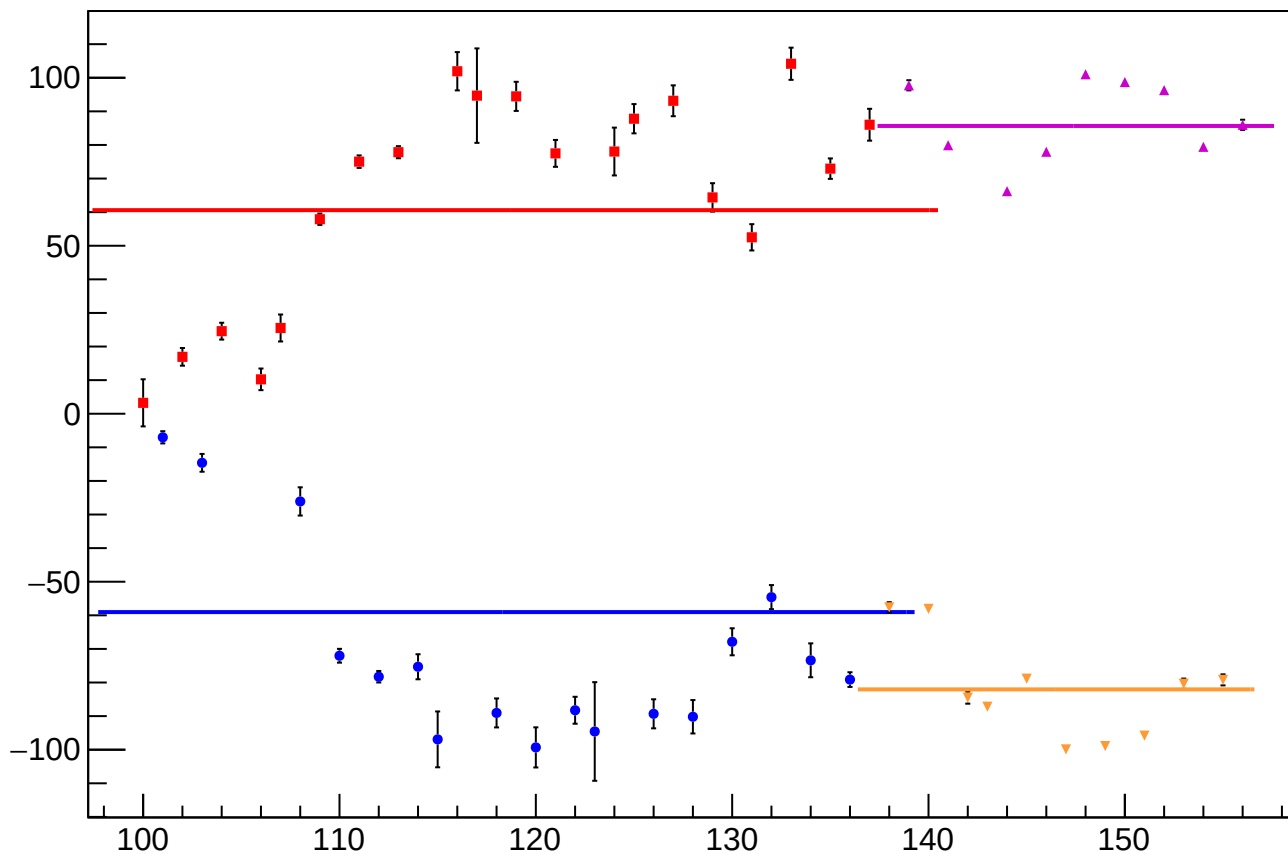
Left In: 9.271 ± 0.277 χ^2/NDF : 914.8/8

-7.994 ± 0.233 χ^2/NDF : 2268.9/26

0.149 ± 0.164 χ^2/NDF : 6975.9/55

8.285 ± 0.233 χ^2/NDF : 2257.9/28

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.039 ± 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

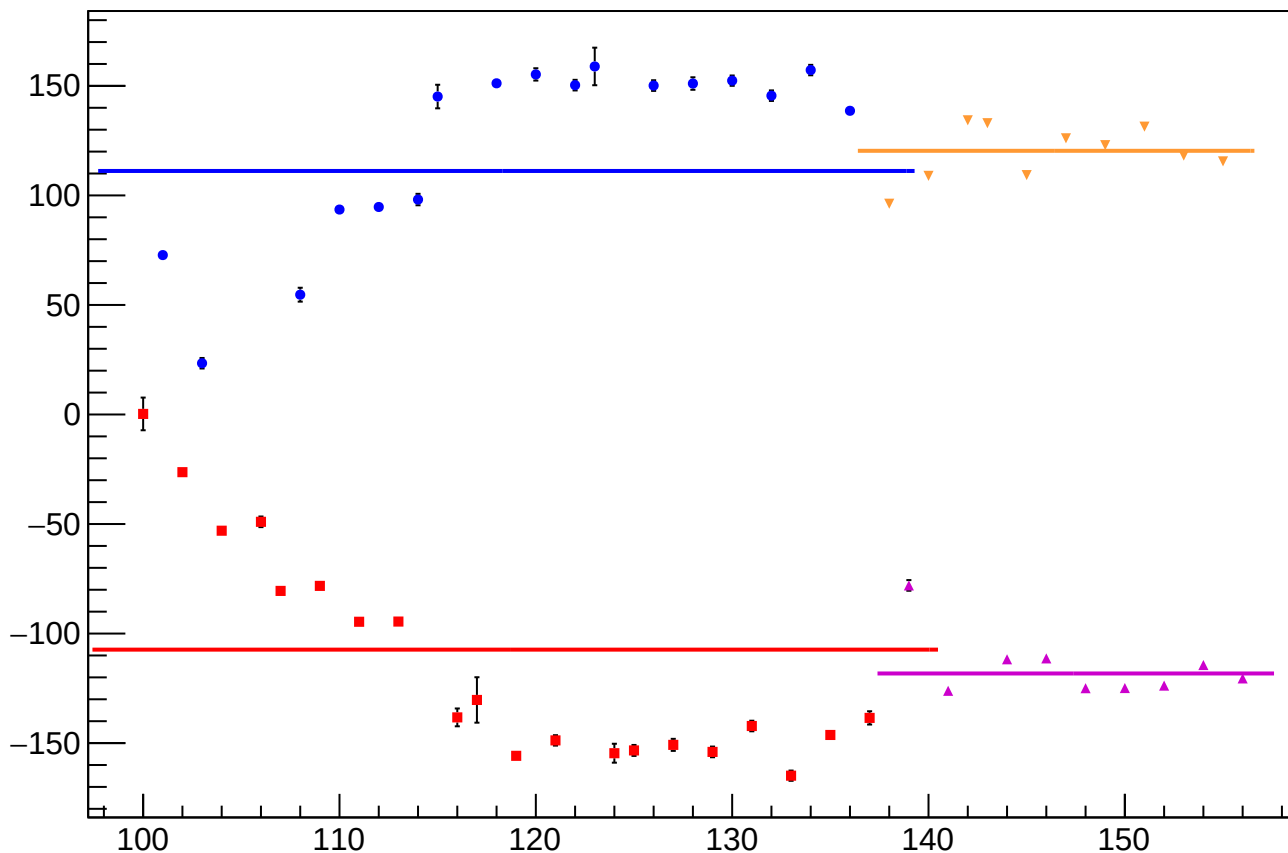
Left In: 85.655 ± 0.402 χ^2/NDF : 873.9/8

-76.748 ± 0.358 χ^2/NDF : 3798.4/26

3.258 ± 0.250 χ^2/NDF : 104670.7/55

79.481 ± 0.349 χ^2/NDF : 3221.0/28

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.160 ± 0.489 $\chi^2/\text{NDF}: 5877.6/16$

Left Out: 120.363 ± 0.339 $\chi^2/\text{NDF}: 946.8/9$

Right Out: -107.334 ± 0.487 $\chi^2/\text{NDF}: 7060.0/19$

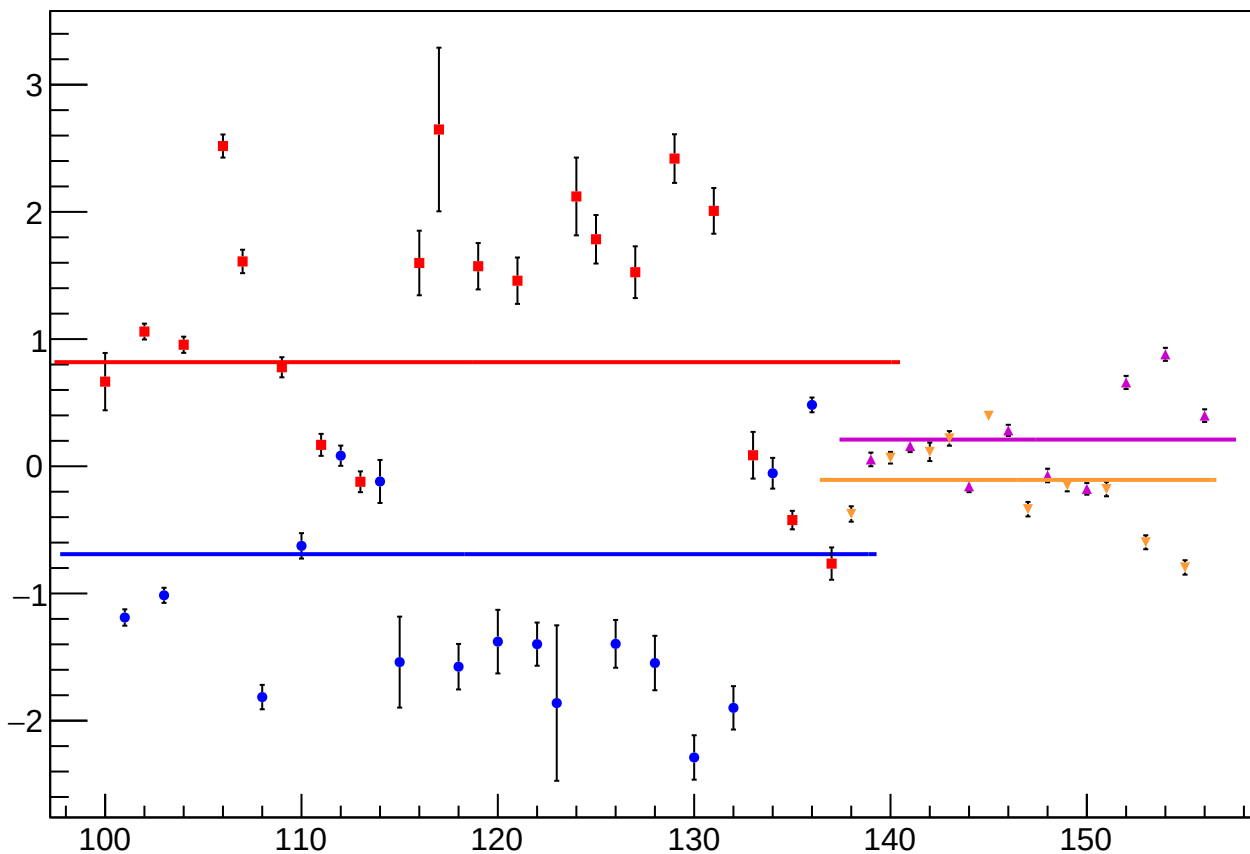
Left In: -118.218 ± 0.337 $\chi^2/\text{NDF}: 624.7/8$

117.379 ± 0.278 $\chi^2/\text{NDF}: 7063.8/26$

0.884 ± 0.197 $\chi^2/\text{NDF}: 363759.6/55$

-114.690 ± 0.277 $\chi^2/\text{NDF}: 8022.1/28$

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.691 ± 0.026 χ^2/NDF : 990.9/16

Left Out: -0.107 ± 0.017 χ^2/NDF : 491.5/9

Right Out: 0.819 ± 0.024 χ^2/NDF : 1312.5/19

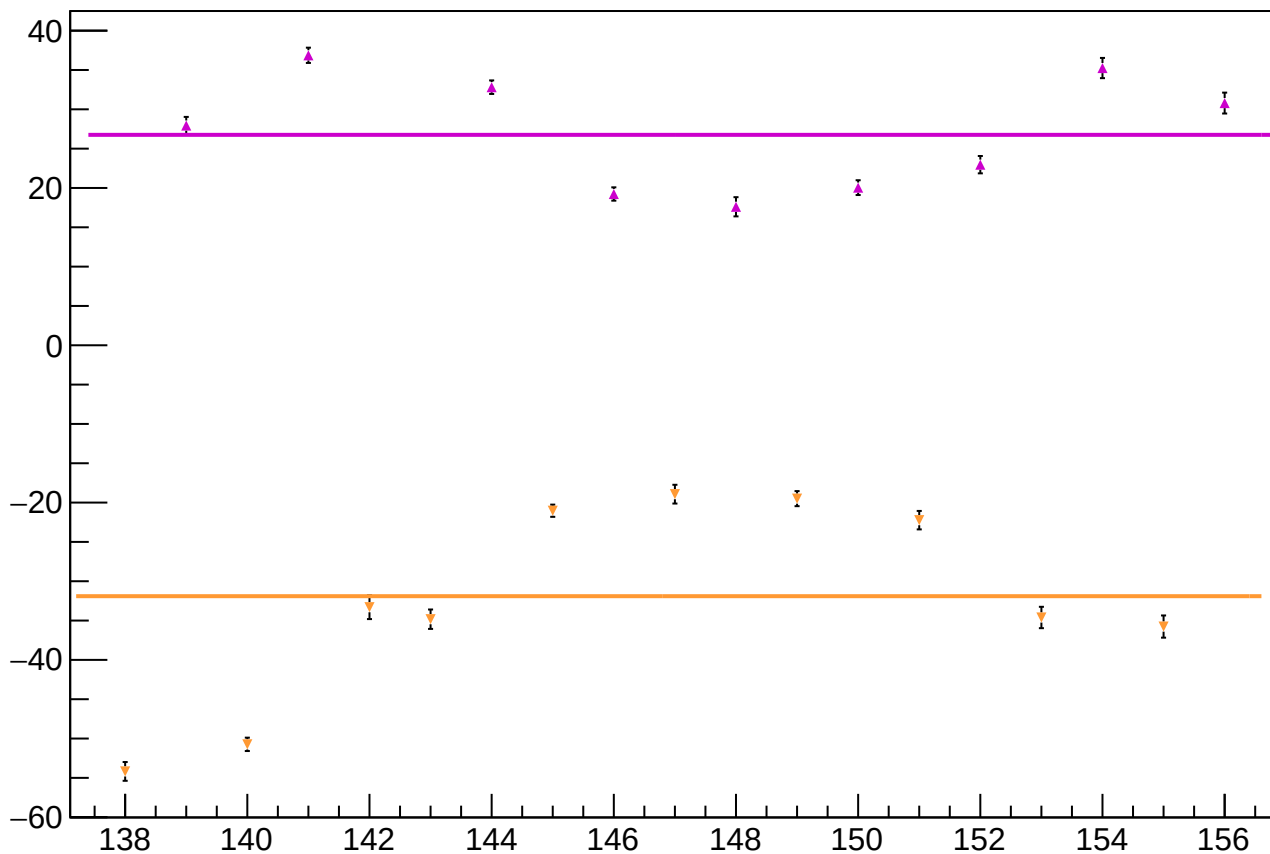
Left In: 0.210 ± 0.016 χ^2/NDF : 437.4/8

-0.278 ± 0.014 χ^2/NDF : 1843.8/26

0.071 ± 0.010 χ^2/NDF : 5232.7/55

0.398 ± 0.014 χ^2/NDF : 2181.6/28

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -31.902+/-0.345 χ^2/NDF :1406.9/9

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

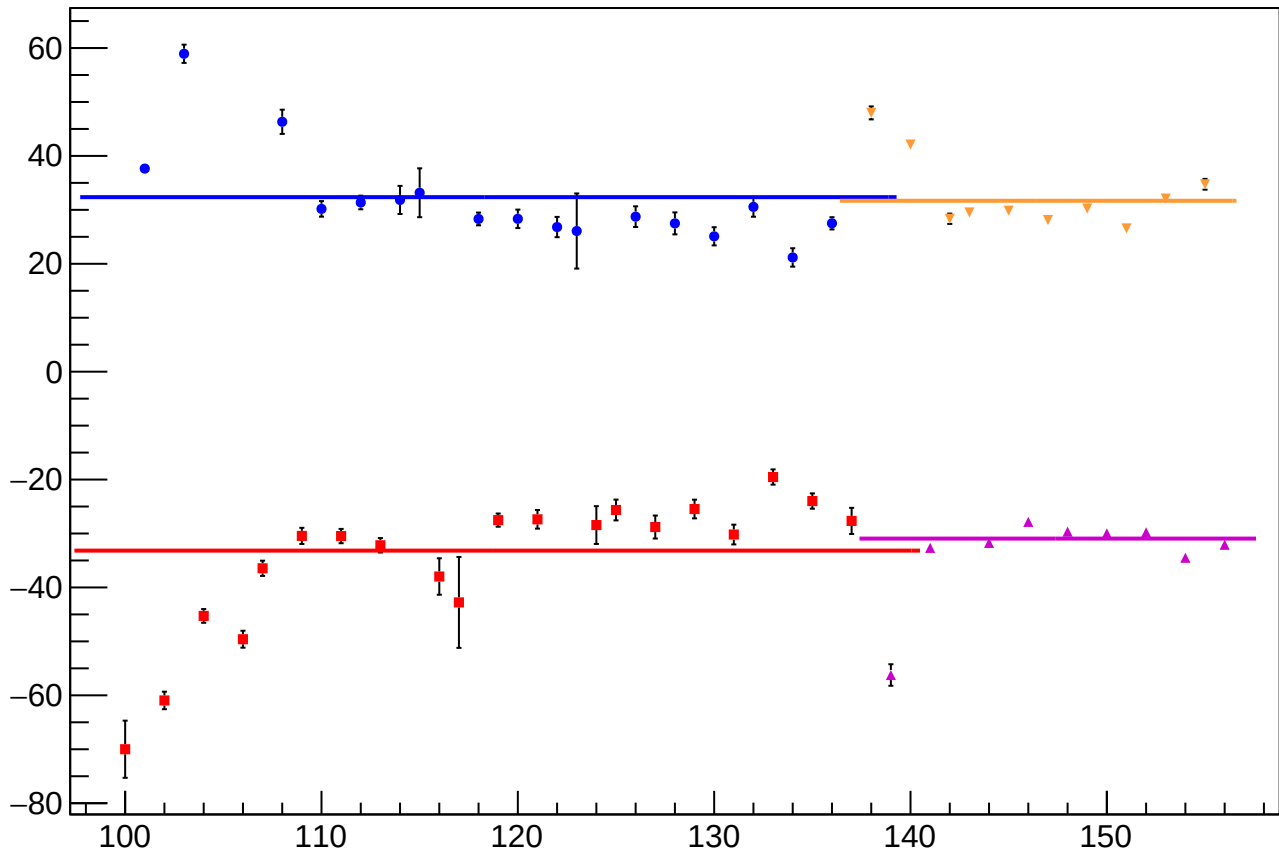
Left In: 26.754+/-0.344 χ^2/NDF :409.8/8

-31.902+/-0.345 χ^2/NDF : 1406.9/9

-2.524+/-0.244 χ^2/NDF : 16293.1/18

26.754+/-0.344 χ^2/NDF : 409.8/8

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 32.355 ± 0.375 $\chi^2/\text{NDF}: 450.5/16$

Left Out: 31.685 ± 0.239 $\chi^2/\text{NDF}: 540.7/9$

Right Out: -33.172 ± 0.378 $\chi^2/\text{NDF}: 773.3/19$

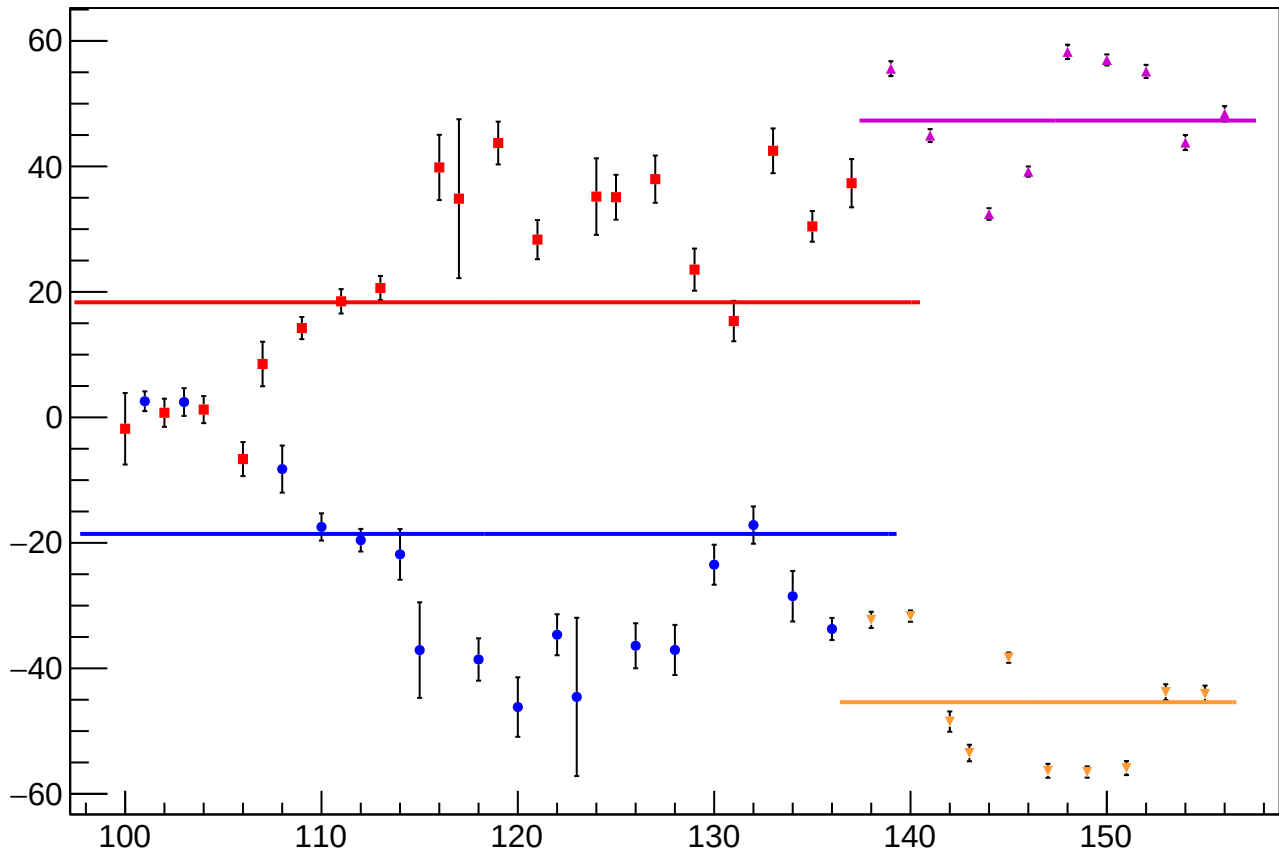
Left In: -30.943 ± 0.239 $\chi^2/\text{NDF}: 227.7/8$

31.878 ± 0.202 $\chi^2/\text{NDF}: 993.5/26$

0.236 ± 0.143 $\chi^2/\text{NDF}: 51389.6/55$

-31.579 ± 0.202 $\chi^2/\text{NDF}: 1025.7/28$

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

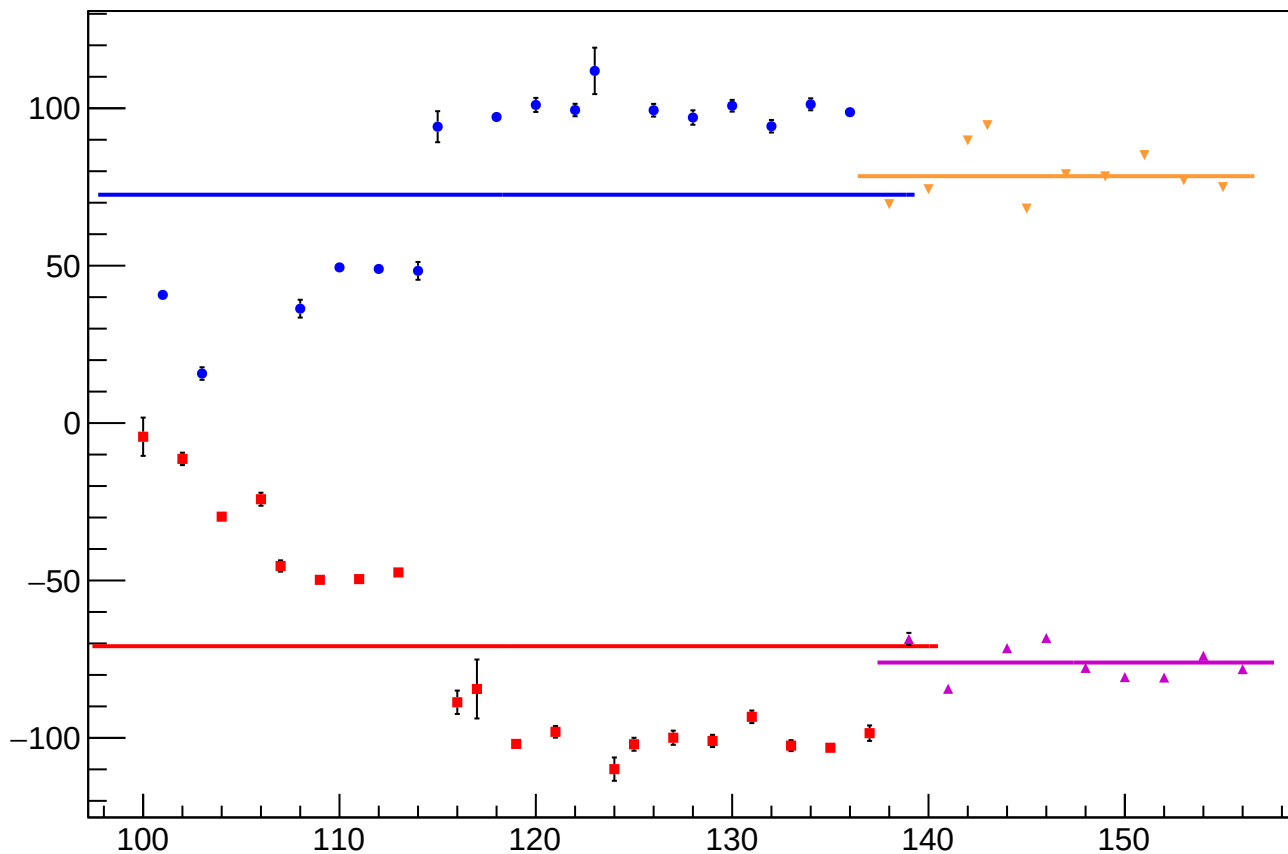
Left In: 47.309 ± 0.340 χ^2/NDF : 690.8/8

-39.693 ± 0.308 χ^2/NDF : 2573.1/26

1.580 ± 0.215 χ^2/NDF : 40493.1/55

40.977 ± 0.301 χ^2/NDF : 2751.6/28

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.537+/-0.428 χ^2/NDF : 4684.1/16

Left Out: 78.431+/-0.291 χ^2/NDF : 674.8/9

Right Out: -70.878+/-0.433 χ^2/NDF : 5502.3/19

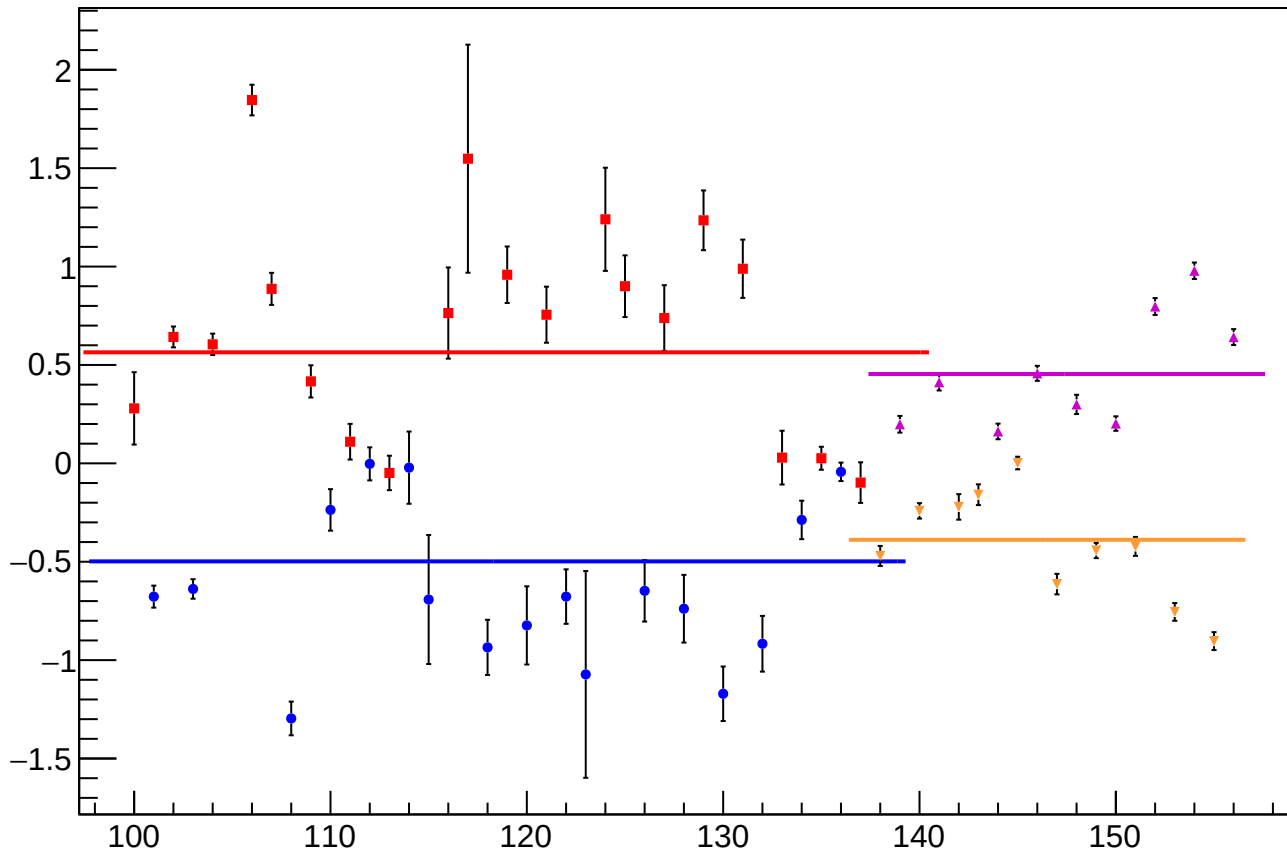
Left In: -76.068+/-0.289 χ^2/NDF : 363.8/8

76.570+/-0.241 χ^2/NDF : 5488.5/26

0.912+/-0.170 χ^2/NDF : 208740.8/55

-74.469+/-0.240 χ^2/NDF : 5965.6/28

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.498 ± 0.022 χ^2/NDF : 302.8/16

Left Out: -0.389 ± 0.014 χ^2/NDF : 404.7/9

Right Out: 0.564 ± 0.021 χ^2/NDF : 563.6/19

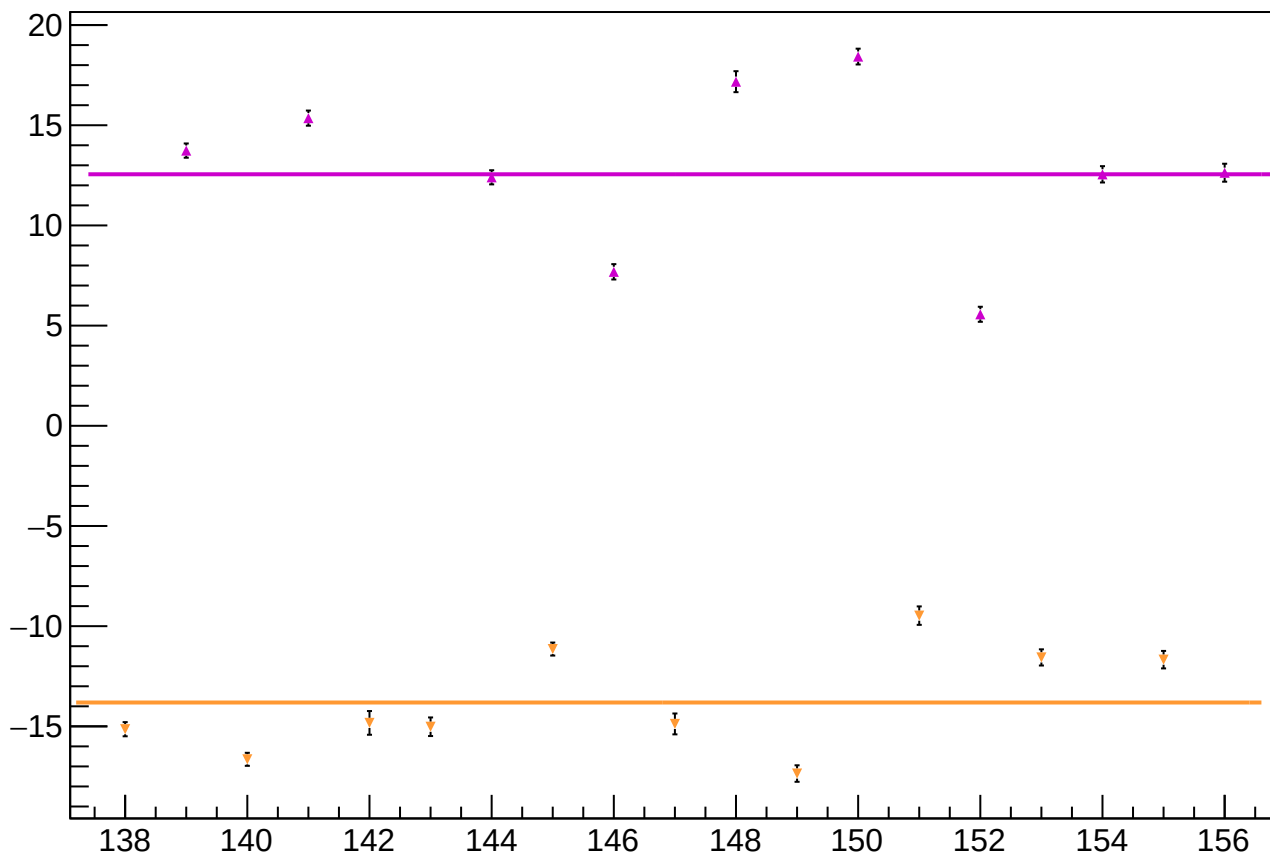
Left In: 0.454 ± 0.014 χ^2/NDF : 390.5/8

-0.420 ± 0.012 χ^2/NDF : 724.7/26

0.048 ± 0.008 χ^2/NDF : 4679.9/55

0.486 ± 0.012 χ^2/NDF : 972.9/28

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -13.810+/-0.129 χ^2/NDF : 389.5/9

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

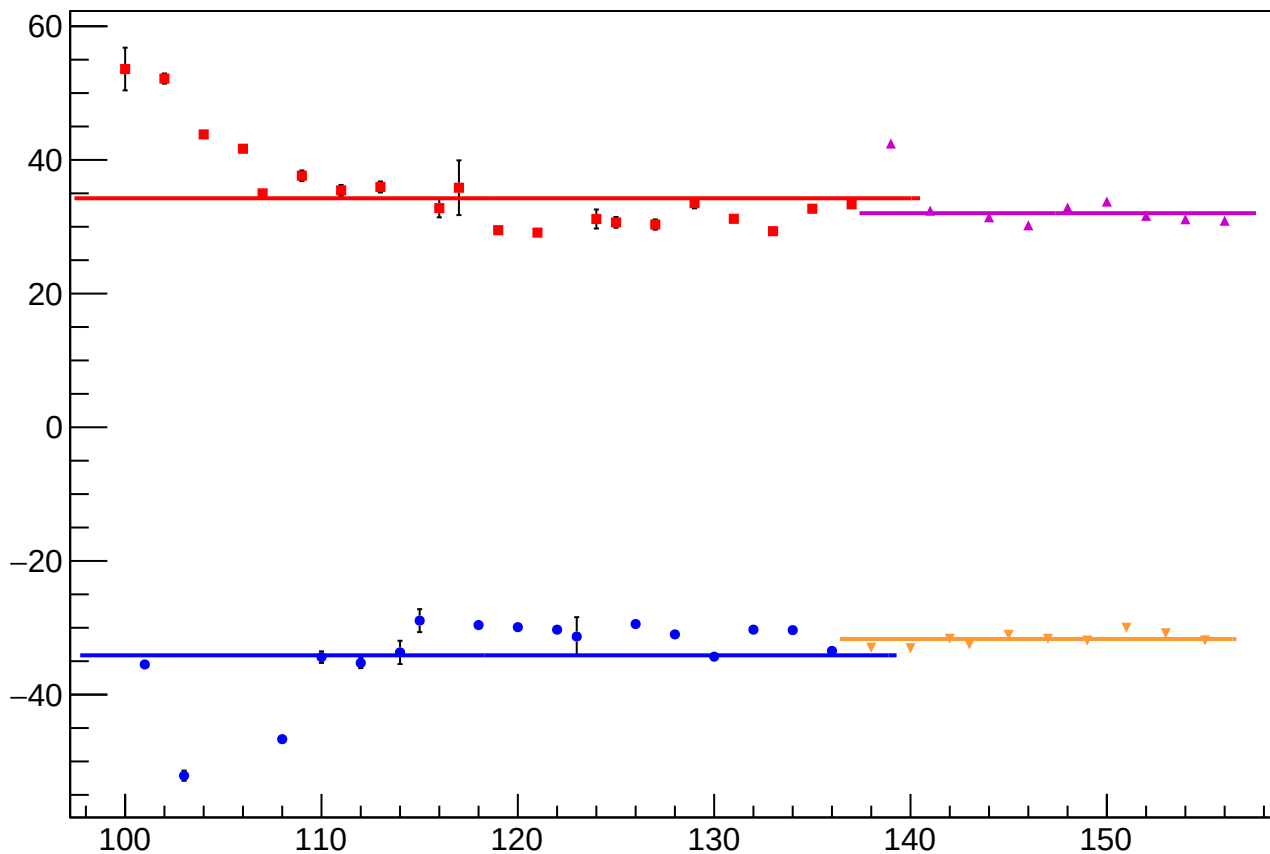
Left In: 12.553+/-0.131 χ^2/NDF : 873.4/8

-13.810+/-0.129 χ^2/NDF : 389.5/9

-0.876+/-0.092 χ^2/NDF : 21758.7/18

12.553+/-0.131 χ^2/NDF : 873.4/8

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.122 ± 0.152 χ^2/NDF : 1322.4/16

Left Out: -31.682 ± 0.092 χ^2/NDF : 99.6/9

Right Out: 34.262 ± 0.151 χ^2/NDF : 1355.1/19

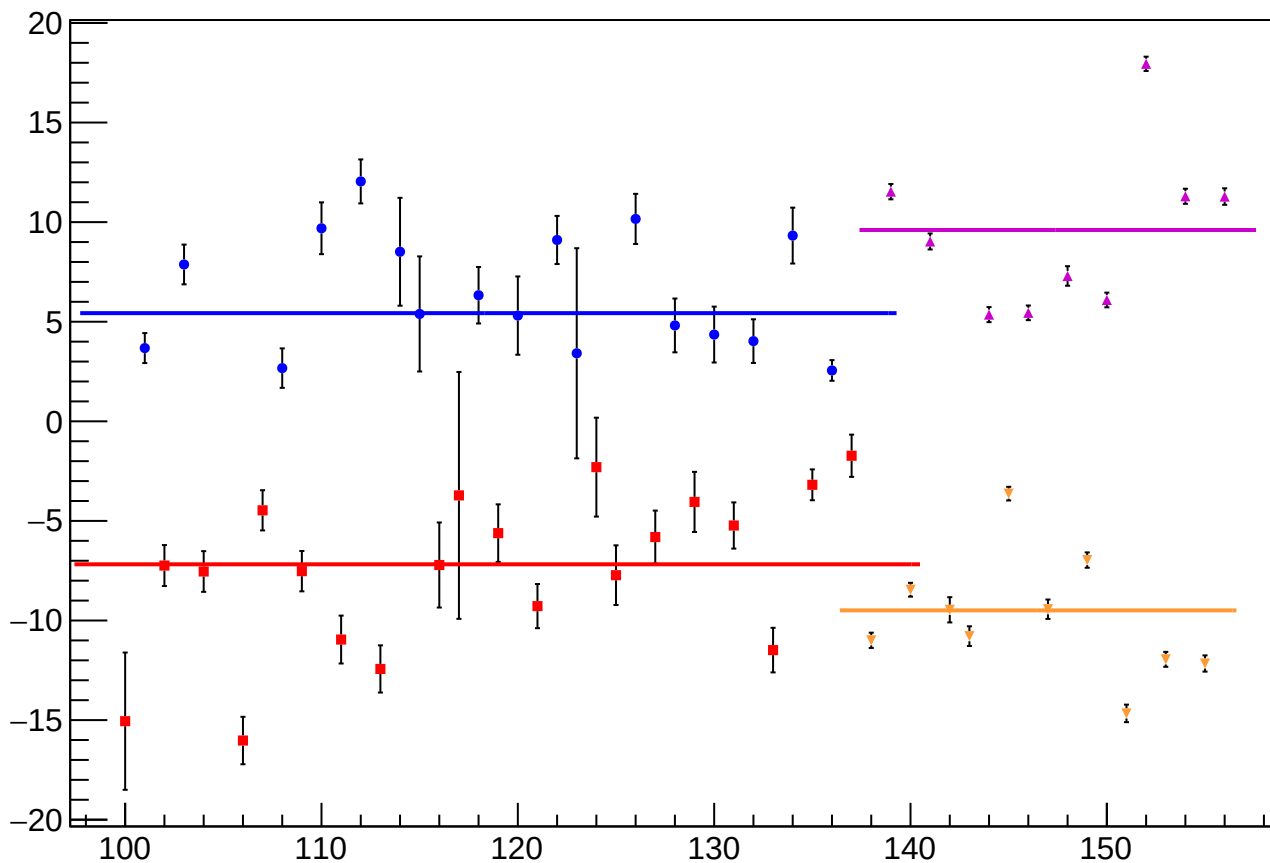
Left In: 32.031 ± 0.094 χ^2/NDF : 405.7/8

-32.333 ± 0.078 χ^2/NDF : 1611.4/26

-0.377 ± 0.056 χ^2/NDF : 340960.7/55

32.656 ± 0.080 χ^2/NDF : 1918.5/28

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.431 ± 0.270 χ^2/NDF : 132.0/16

Left Out: -9.491 ± 0.130 χ^2/NDF : 590.0/9

Right Out: -7.178 ± 0.274 χ^2/NDF : 182.4/19

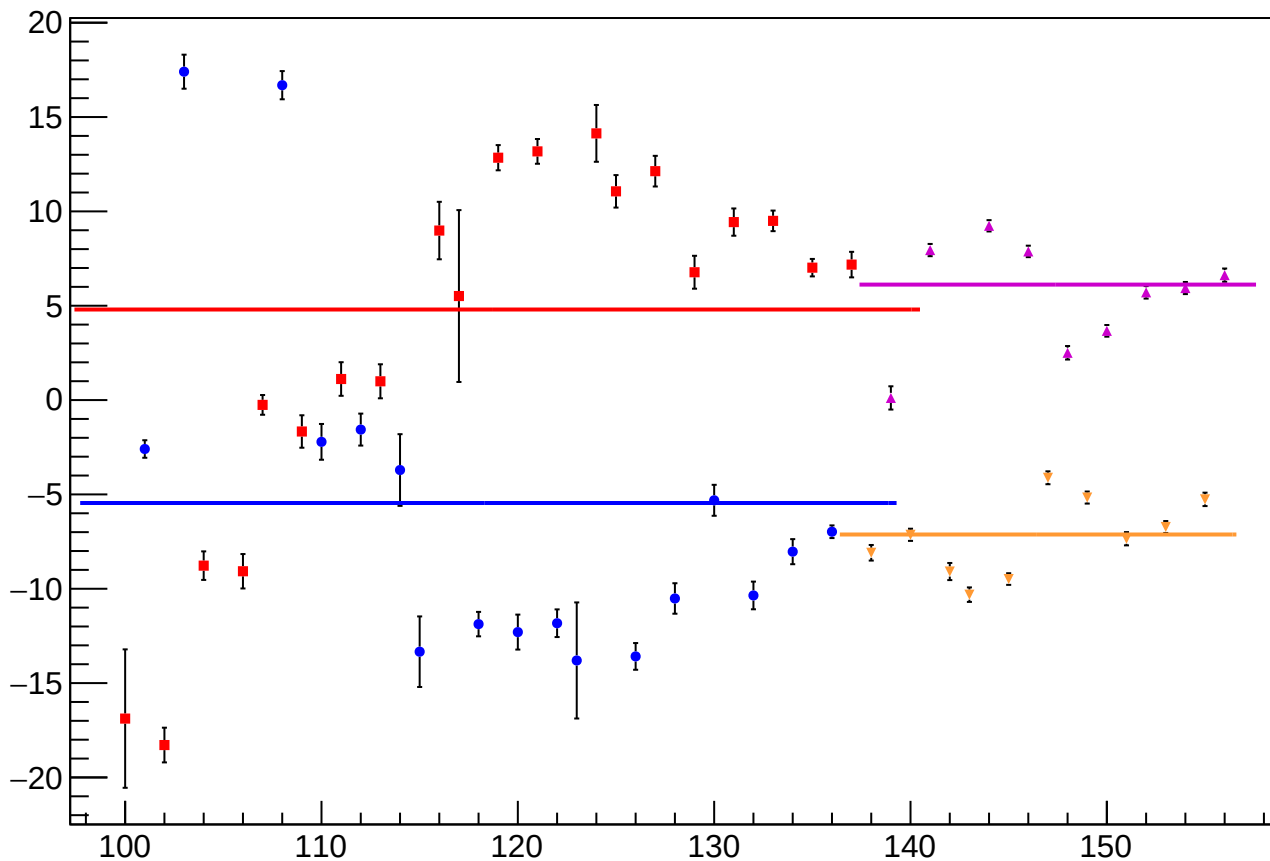
Left In: 9.605 ± 0.130 χ^2/NDF : 969.7/8

-6.701 ± 0.117 χ^2/NDF : 3198.1/26

-0.108 ± 0.083 χ^2/NDF : 13791.2/55

6.531 ± 0.117 χ^2/NDF : 4212.9/28

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.455+/-0.171 χ^2 /NDF: 2096.5/16

Left Out: -7.125+/-0.110 χ^2 /NDF: 295.8/9

Right Out: 4.799+/-0.173 χ^2 /NDF: 2047.5/19

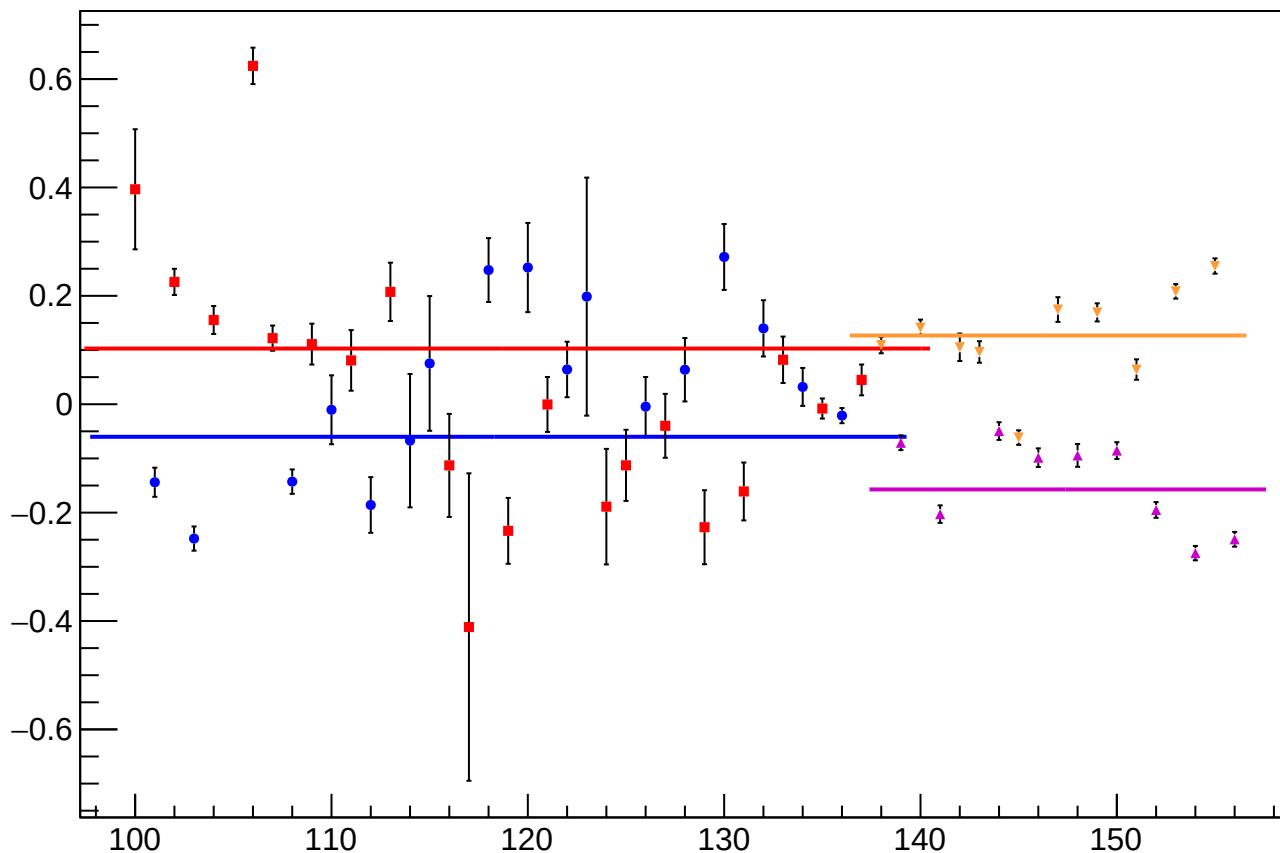
Left In: 6.120+/-0.112 χ^2 /NDF: 436.6/8

-6.633+/-0.093 χ^2 /NDF: 2459.7/26

-0.550+/-0.066 χ^2 /NDF: 13723.7/55

5.727+/-0.094 χ^2 /NDF: 2525.0/28

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.060 ± 0.008 χ^2/NDF : 215.5/16

Left Out: 0.127 ± 0.005 χ^2/NDF : 343.4/9

Right Out: 0.103 ± 0.008 χ^2/NDF : 437.6/19

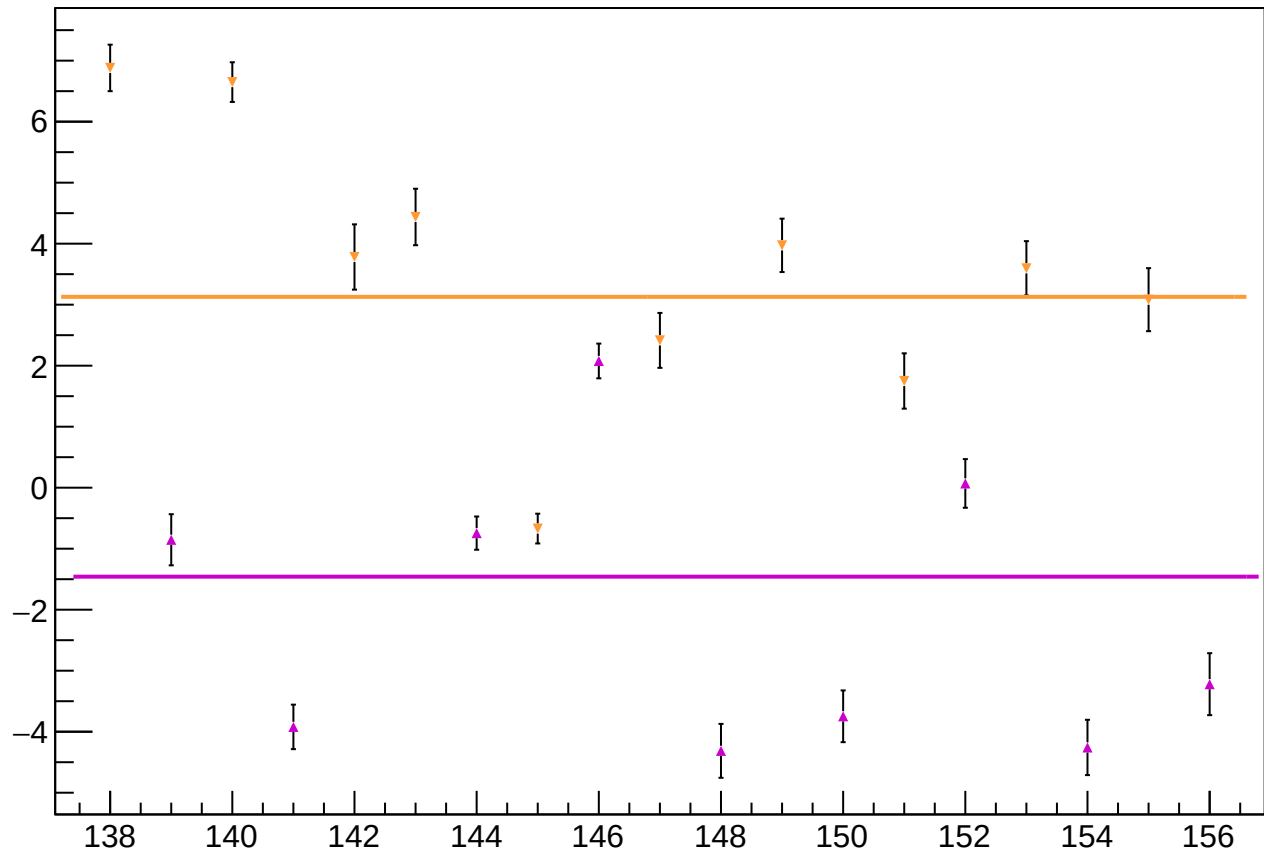
Left In: -0.157 ± 0.005 χ^2/NDF : 264.2/8

0.076 ± 0.004 χ^2/NDF : 917.7/26

-0.007 ± 0.003 χ^2/NDF : 3010.9/55

-0.088 ± 0.004 χ^2/NDF : 1398.3/28

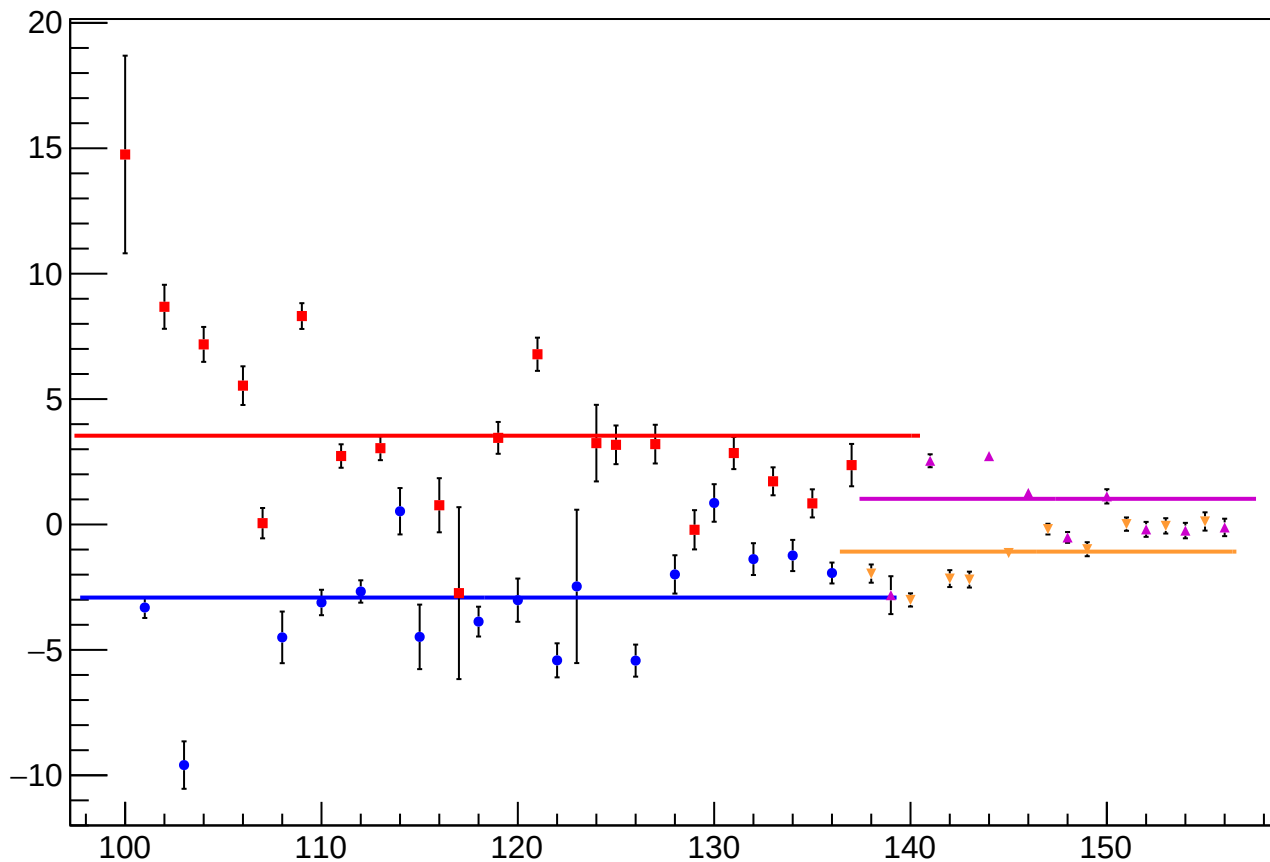
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.128 $\pm$ 0.124 χ^2 /NDF:482.8/9
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -1.458 $\pm$ 0.124 χ^2 /NDF:344.8/8

3.128 $\pm$ 0.124 χ^2 /NDF: 482.8/9
 0.842 $\pm$ 0.088 χ^2 /NDF: 1510.6/18
 -1.458 $\pm$ 0.124 χ^2 /NDF: 344.8/8

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.914 ± 0.155 χ^2/NDF : 146.1/16

Left Out: -1.082 ± 0.087 χ^2/NDF : 138.6/9

Right Out: 3.540 ± 0.154 χ^2/NDF : 294.2/19

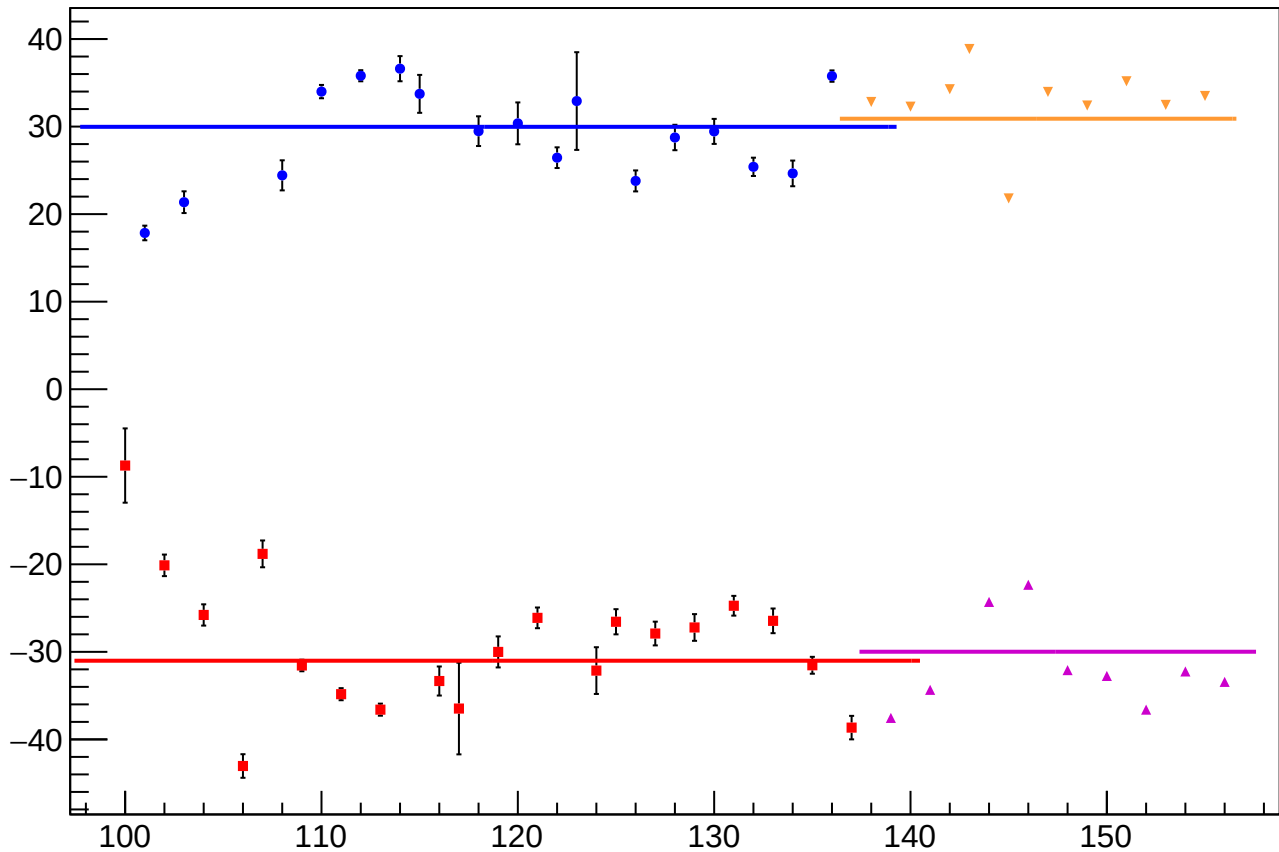
Left In: 1.023 ± 0.085 χ^2/NDF : 234.0/8

-1.518 ± 0.076 χ^2/NDF : 391.4/26

0.071 ± 0.053 χ^2/NDF : 1993.4/55

1.604 ± 0.074 χ^2/NDF : 732.5/28

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.972 ± 0.267 $\chi^2/\text{NDF}: 554.3/16$

Left Out: 30.899 ± 0.126 $\chi^2/\text{NDF}: 1768.1/9$

Right Out: -31.013 ± 0.260 $\chi^2/\text{NDF}: 480.6/19$

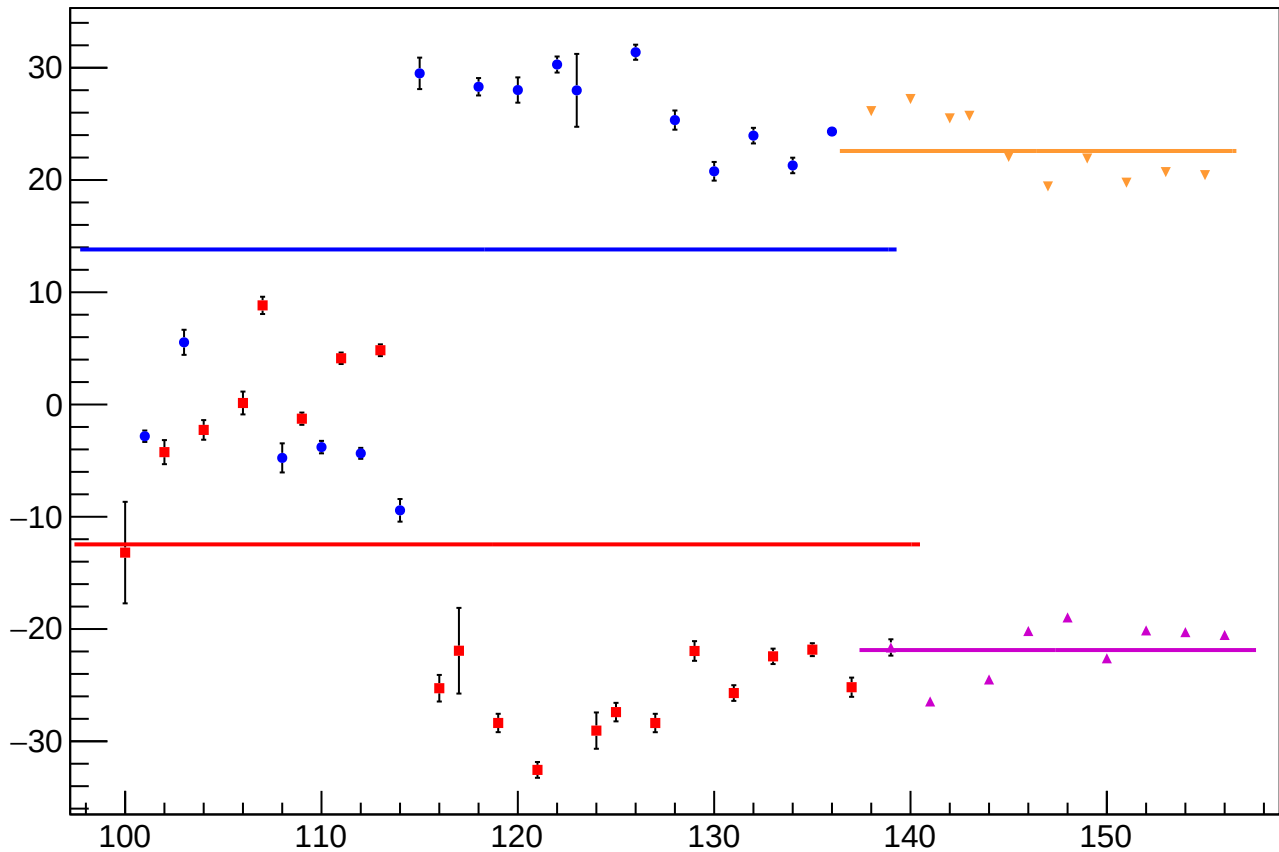
Left In: -29.986 ± 0.123 $\chi^2/\text{NDF}: 2025.1/8$

30.731 ± 0.114 $\chi^2/\text{NDF}: 2332.2/26$

-0.380 ± 0.080 $\chi^2/\text{NDF}: 151261.4/55$

-30.175 ± 0.111 $\chi^2/\text{NDF}: 2518.4/28$

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.813+/-0.173 χ^2/NDF : 7318.6/16

Left Out: 22.586+/-0.105 χ^2/NDF : 646.0/9

Right Out: -12.460+/-0.174 χ^2/NDF : 6976.5/19

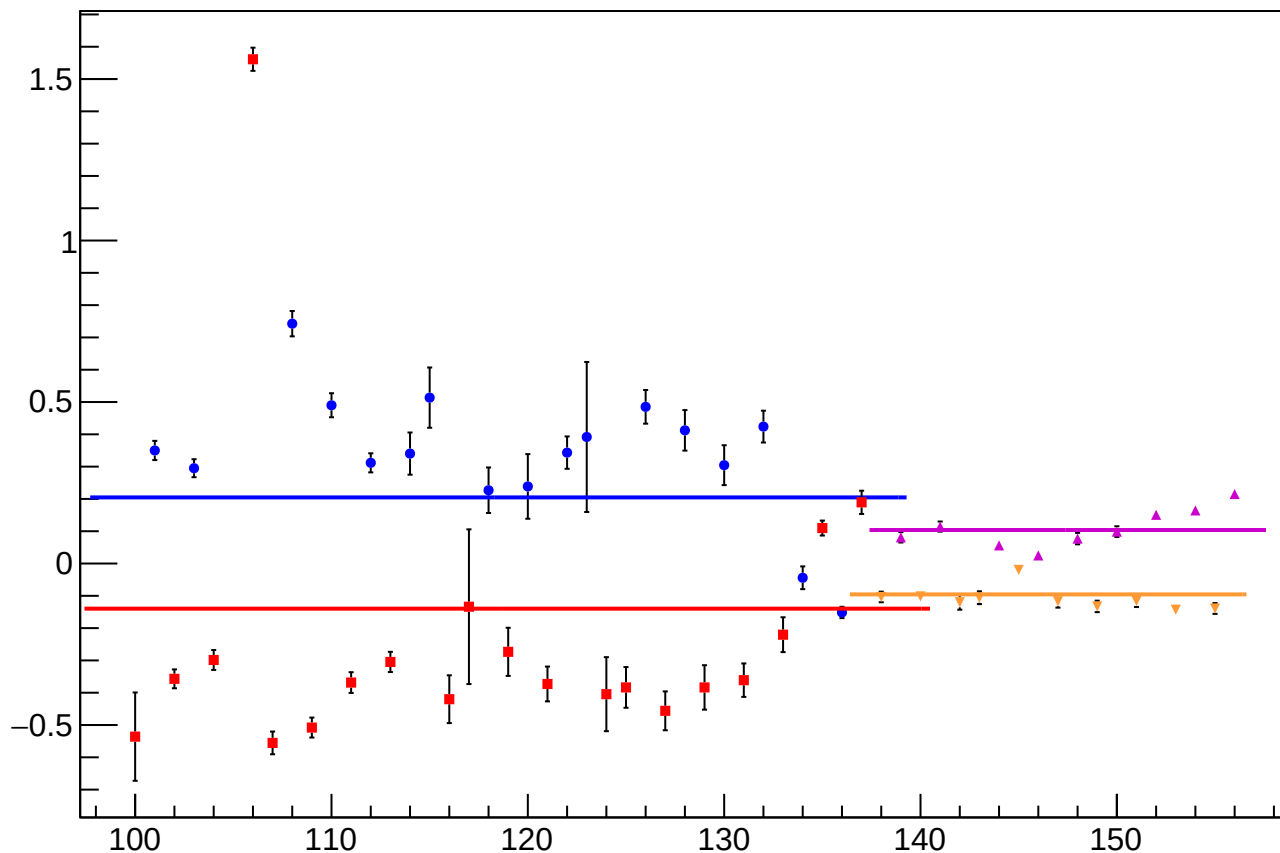
Left In: -21.874+/-0.103 χ^2/NDF : 558.2/8

20.212+/-0.090 χ^2/NDF : 9847.4/26

0.141+/-0.063 χ^2/NDF : 118141.5/55

-19.417+/-0.089 χ^2/NDF : 9709.1/28

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 ± 0.009 $\chi^2/\text{NDF}: 845.8/16$

Left Out: -0.096 ± 0.005 $\chi^2/\text{NDF}: 81.0/9$

Right Out: -0.140 ± 0.009 $\chi^2/\text{NDF}: 3014.2/19$

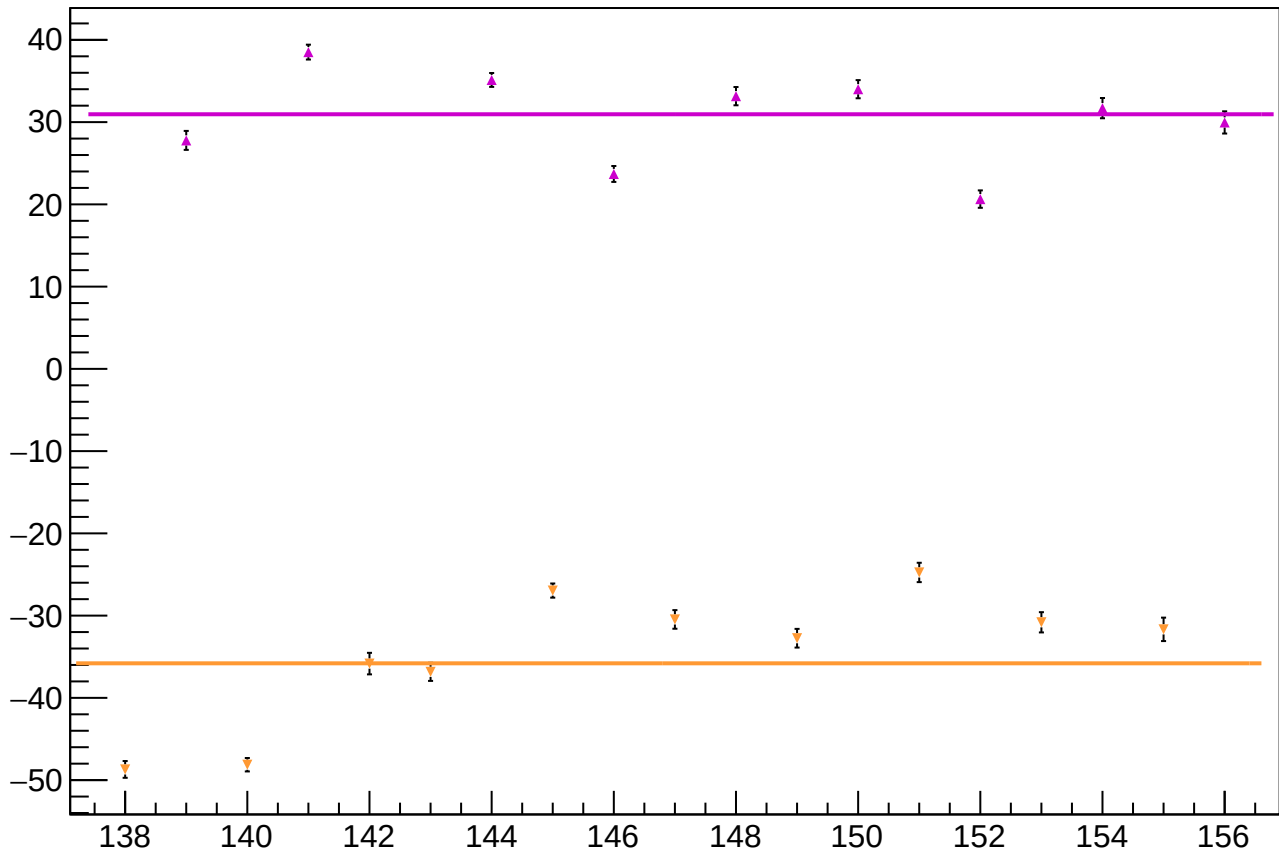
Left In: 0.104 ± 0.005 $\chi^2/\text{NDF}: 135.4/8$

-0.028 ± 0.004 $\chi^2/\text{NDF}: 1720.9/26$

0.011 ± 0.003 $\chi^2/\text{NDF}: 5559.9/55$

0.049 ± 0.004 $\chi^2/\text{NDF}: 3690.5/28$

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -35.800+/-0.340 χ^2/NDF : 637.1/9

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

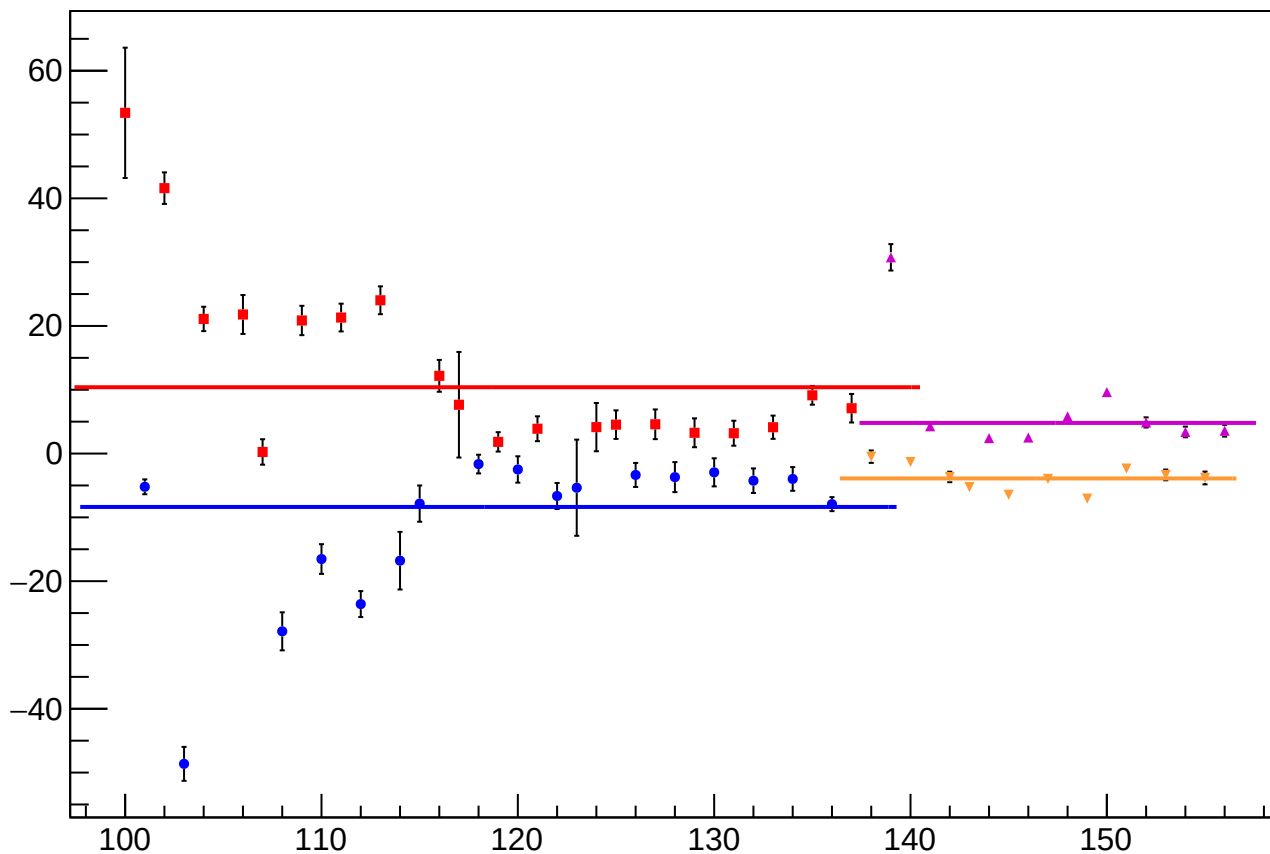
Left In: 30.956+/-0.350 χ^2/NDF : 265.5/8

-35.800+/-0.340 χ^2/NDF : 637.1/9

-3.350+/-0.244 χ^2/NDF : 19637.0/18

30.956+/-0.350 χ^2/NDF : 265.5/8

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.367 ± 0.466 χ^2/NDF : 408.8/16

Left Out: -3.900 ± 0.233 χ^2/NDF : 68.5/9

Right Out: 10.396 ± 0.490 χ^2/NDF : 430.4/19

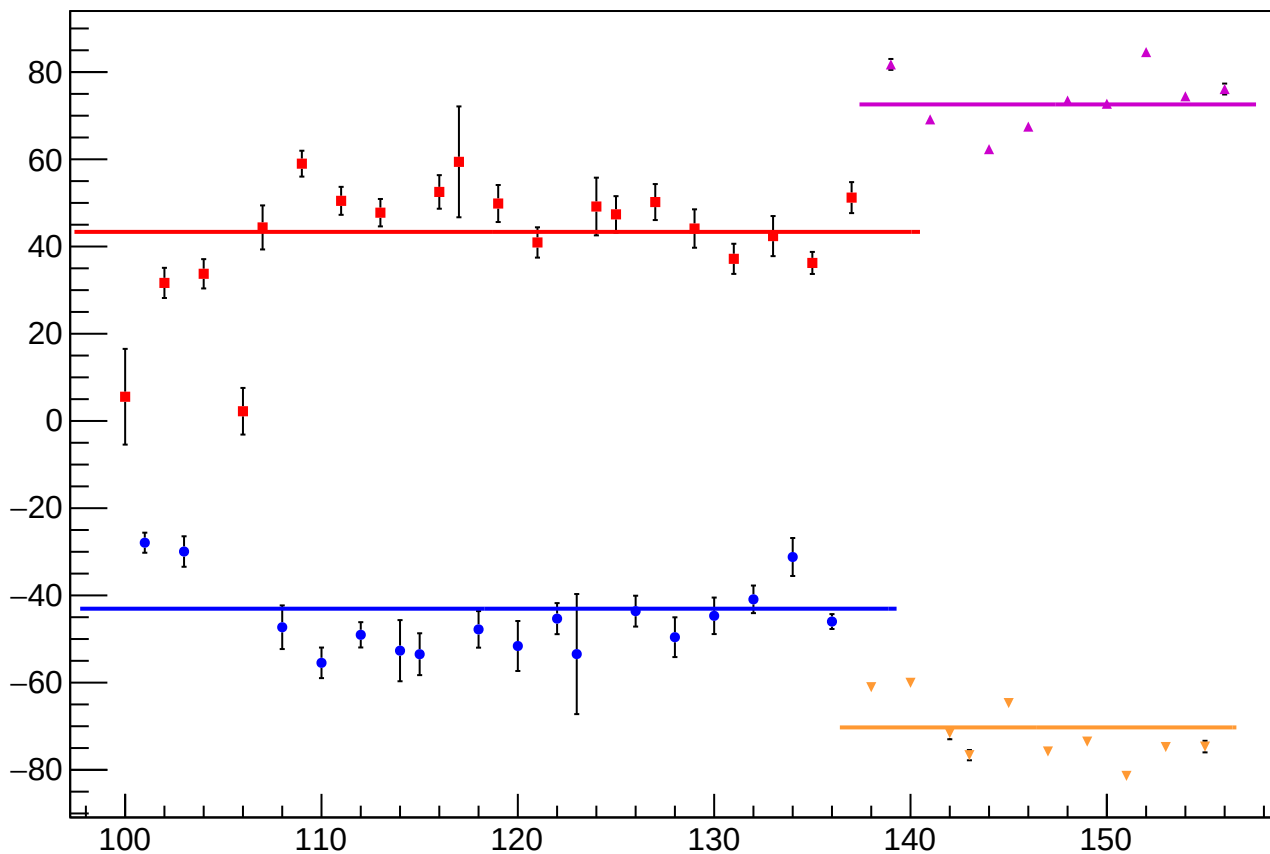
Left In: 4.802 ± 0.236 χ^2/NDF : 240.1/8

-4.791 ± 0.208 χ^2/NDF : 550.8/26

0.419 ± 0.149 χ^2/NDF : 2607.5/55

5.854 ± 0.213 χ^2/NDF : 776.3/28

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -43.047 ± 0.837 χ^2/NDF : 99.0/16

Left Out: -70.270 ± 0.344 χ^2/NDF : 435.9/9

Right Out: 43.357 ± 0.865 χ^2/NDF : 156.0/19

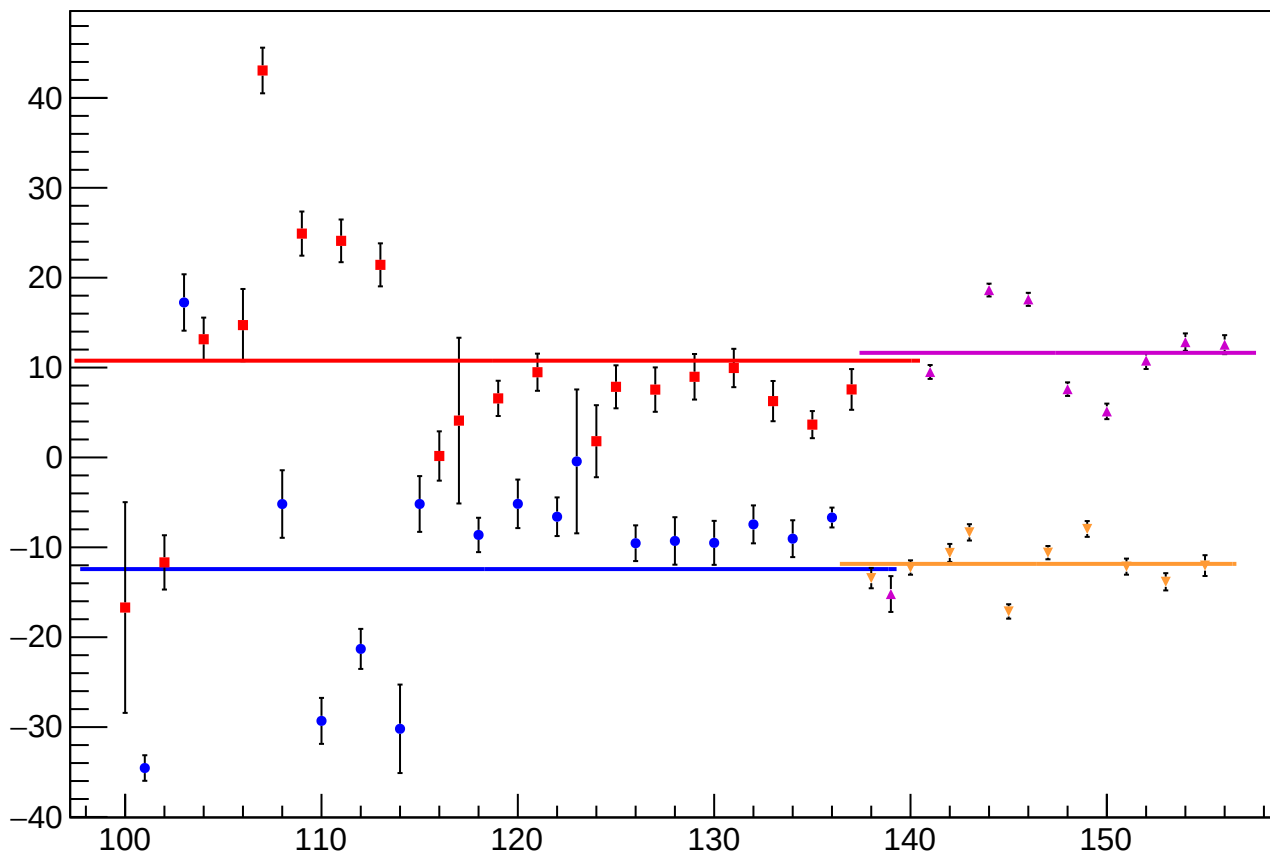
Left In: 72.584 ± 0.346 χ^2/NDF : 377.6/8

-66.346 ± 0.318 χ^2/NDF : 1439.6/26

0.398 ± 0.226 χ^2/NDF : 92063.7/55

68.555 ± 0.321 χ^2/NDF : 1517.4/28

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.421 ± 0.523 χ^2/NDF : 474.4/16

Left Out: -11.841 ± 0.285 χ^2/NDF : 88.9/9

Right Out: 10.766 ± 0.553 χ^2/NDF : 366.3/19

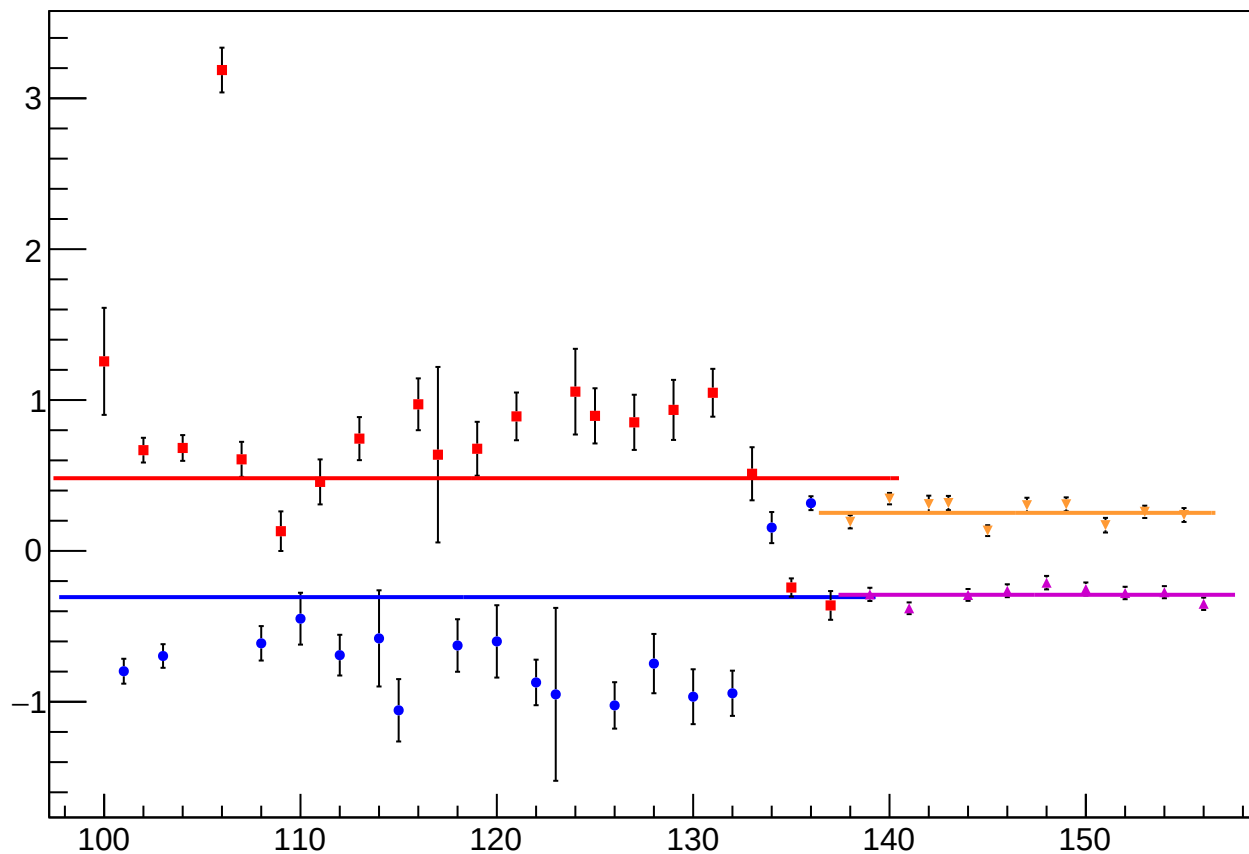
Left In: 11.639 ± 0.289 χ^2/NDF : 440.5/8

-11.974 ± 0.250 χ^2/NDF : 564.2/26

-0.527 ± 0.179 χ^2/NDF : 5652.6/55

11.452 ± 0.256 χ^2/NDF : 808.8/28

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.306 ± 0.028 χ^2/NDF : 371.7/16

Left Out: 0.252 ± 0.014 χ^2/NDF : 27.2/9

Right Out: 0.482 ± 0.029 χ^2/NDF : 628.3/19

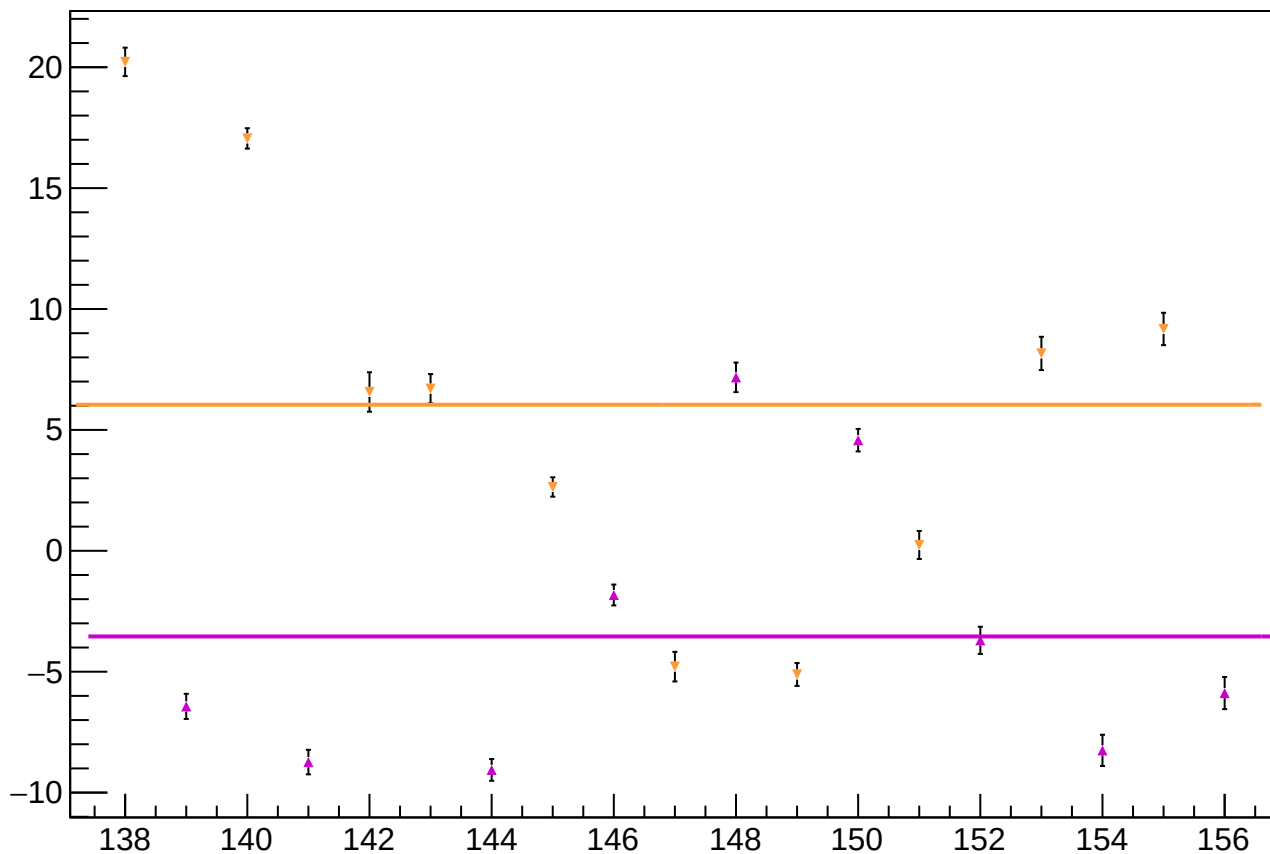
Left In: -0.291 ± 0.014 χ^2/NDF : 12.0/8

0.138 ± 0.012 χ^2/NDF : 725.5/26

-0.003 ± 0.009 χ^2/NDF : 2213.2/55

-0.144 ± 0.012 χ^2/NDF : 1232.7/28

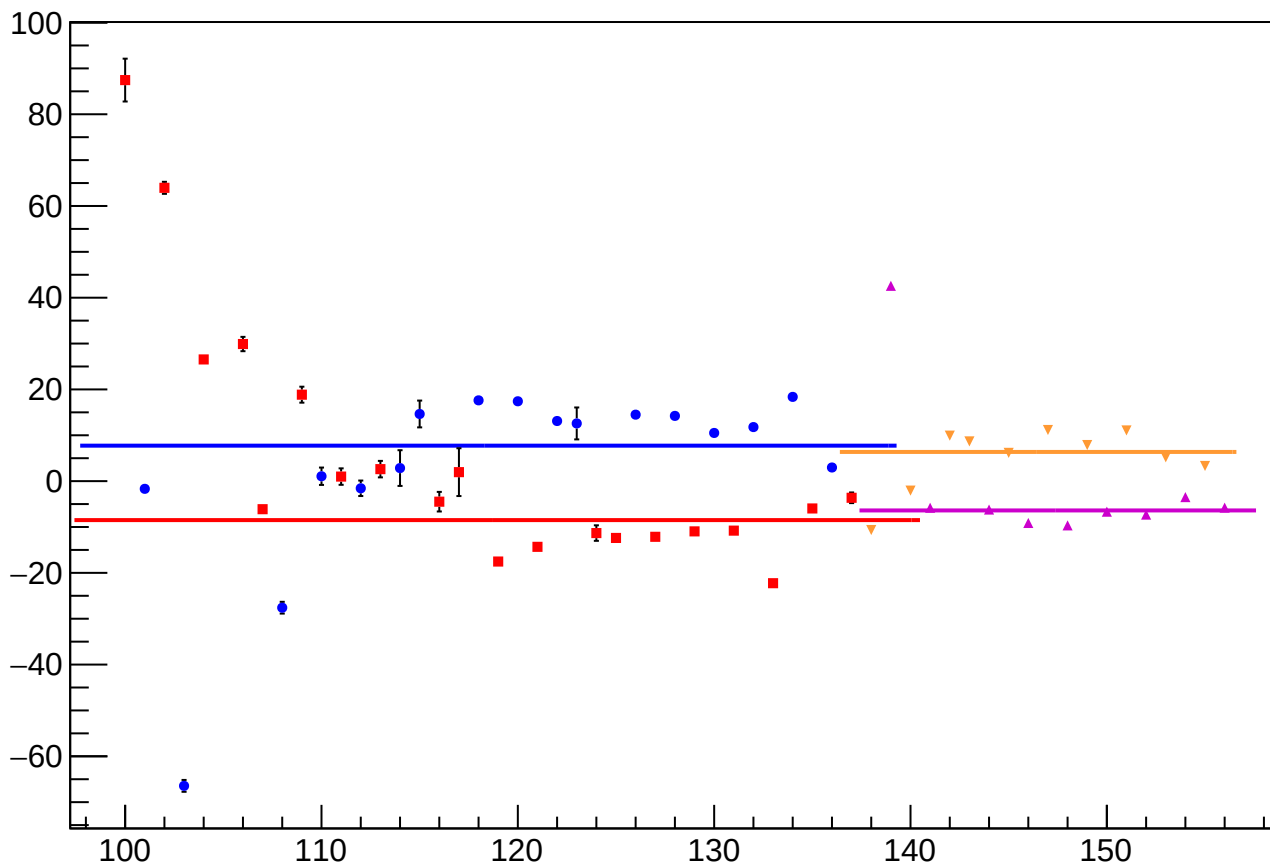
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 6.042 $\pm$ 0.173 χ^2 /NDF:2335.4/9
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -3.541 $\pm$ 0.174 χ^2 /NDF:977.7/8

6.042 $\pm$ 0.173 χ^2 /NDF: 2335.4/9
 1.281 $\pm$ 0.123 χ^2 /NDF: 4837.4/18
 -3.541 $\pm$ 0.174 χ^2 /NDF: 977.7/8

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.737 $\pm$ 0.218 χ^2/NDF : 5300.6/16

Left Out: 6.368 $\pm$ 0.120 χ^2/NDF : 1996.8/9

Right Out: -8.496 $\pm$ 0.213 χ^2/NDF : 6723.5/19

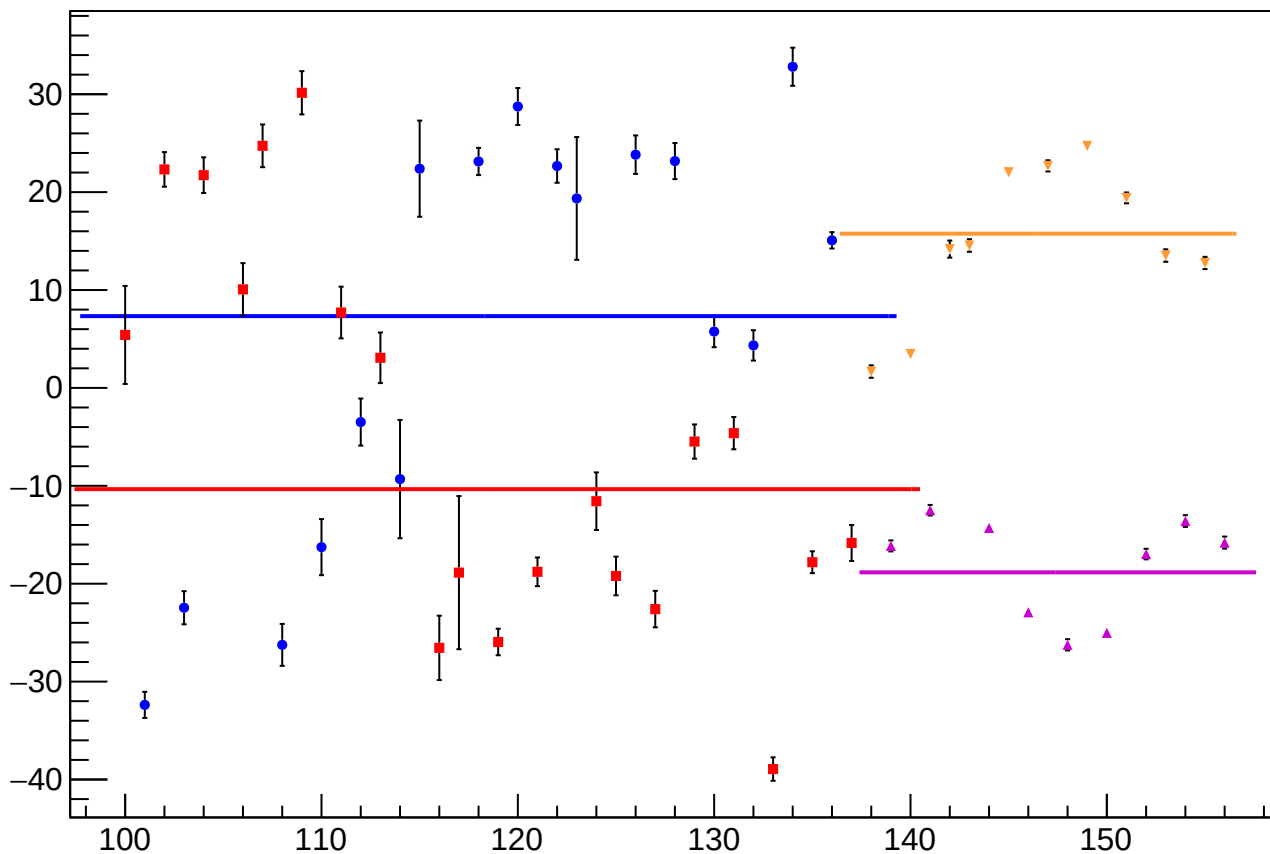
Left In: -6.388 $\pm$ 0.122 χ^2/NDF : 2954.4/8

6.687 $\pm$ 0.105 χ^2/NDF : 7327.7/26

-0.087 $\pm$ 0.075 χ^2/NDF : 25398.5/55

-6.906 $\pm$ 0.106 χ^2/NDF : 9751.7/28

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 7.333 ± 0.419 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

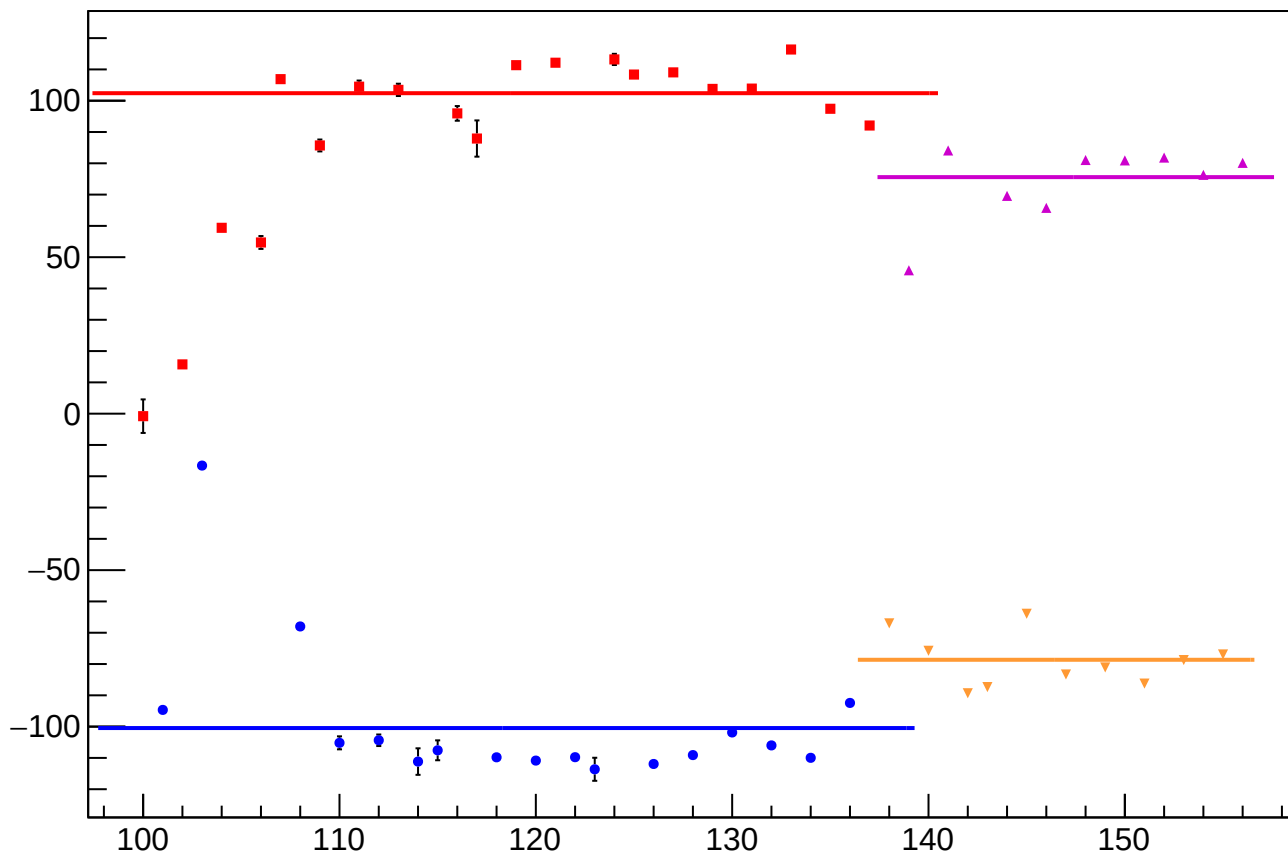
Left In: -18.840 ± 0.172 χ^2/NDF : 826.9/8

14.518 ± 0.161 χ^2/NDF : 4733.8/26

-1.713 ± 0.113 χ^2/NDF : 28434.8/55

-17.603 ± 0.159 χ^2/NDF : 3465.7/28

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -100.457 ± 0.251 χ^2/NDF : 4461.1/16

Left Out: -78.641 ± 0.146 χ^2/NDF : 2932.0/9

Right Out: 102.405 ± 0.246 χ^2/NDF : 6100.6/19

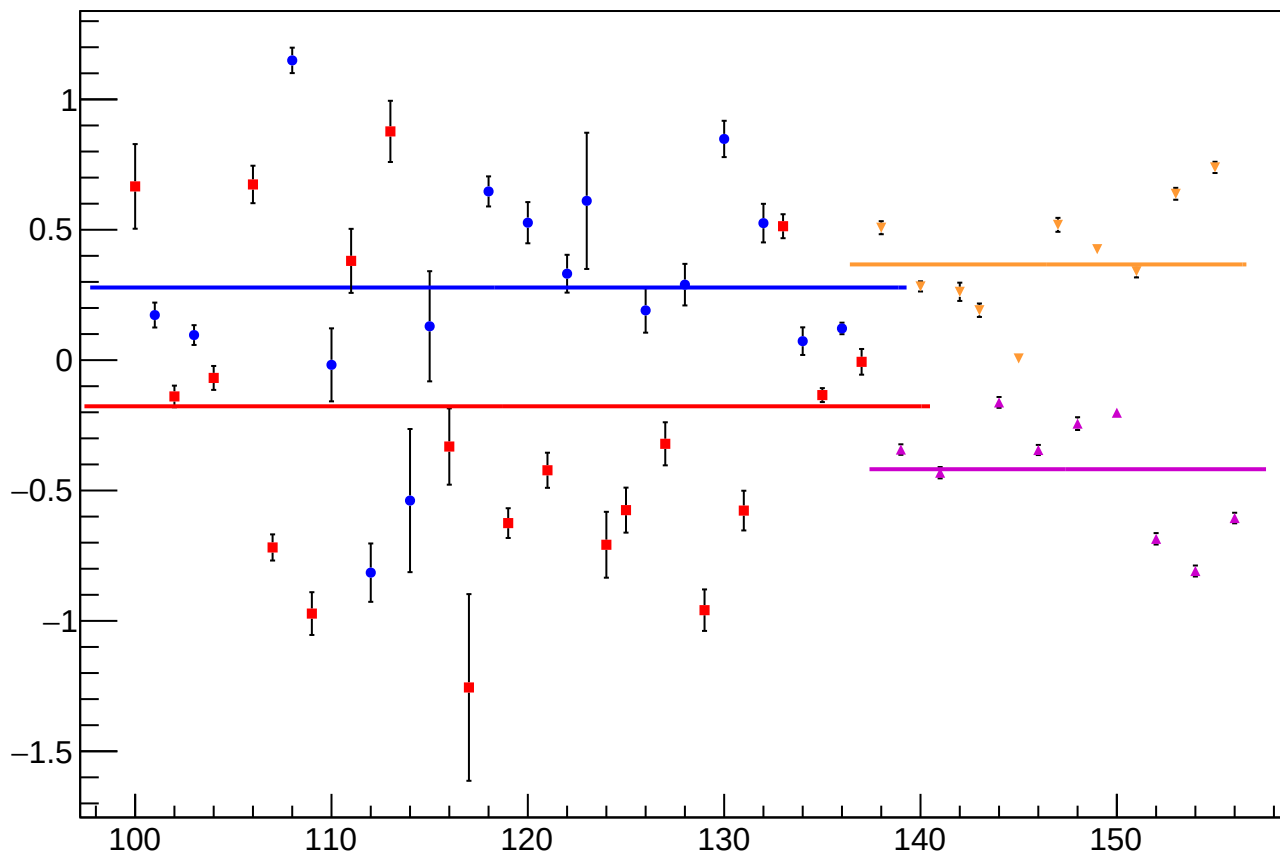
Left In: 75.585 ± 0.147 χ^2/NDF : 3134.9/8

-84.168 ± 0.126 χ^2/NDF : 13045.2/26

-0.627 ± 0.089 χ^2/NDF : 905830.1/55

82.617 ± 0.126 χ^2/NDF : 18002.7/28

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.279 ± 0.014 χ^2/NDF : 653.9/16

Left Out: 0.367 ± 0.007 χ^2/NDF : 1055.8/9

Right Out: -0.177 ± 0.013 χ^2/NDF : 976.8/19

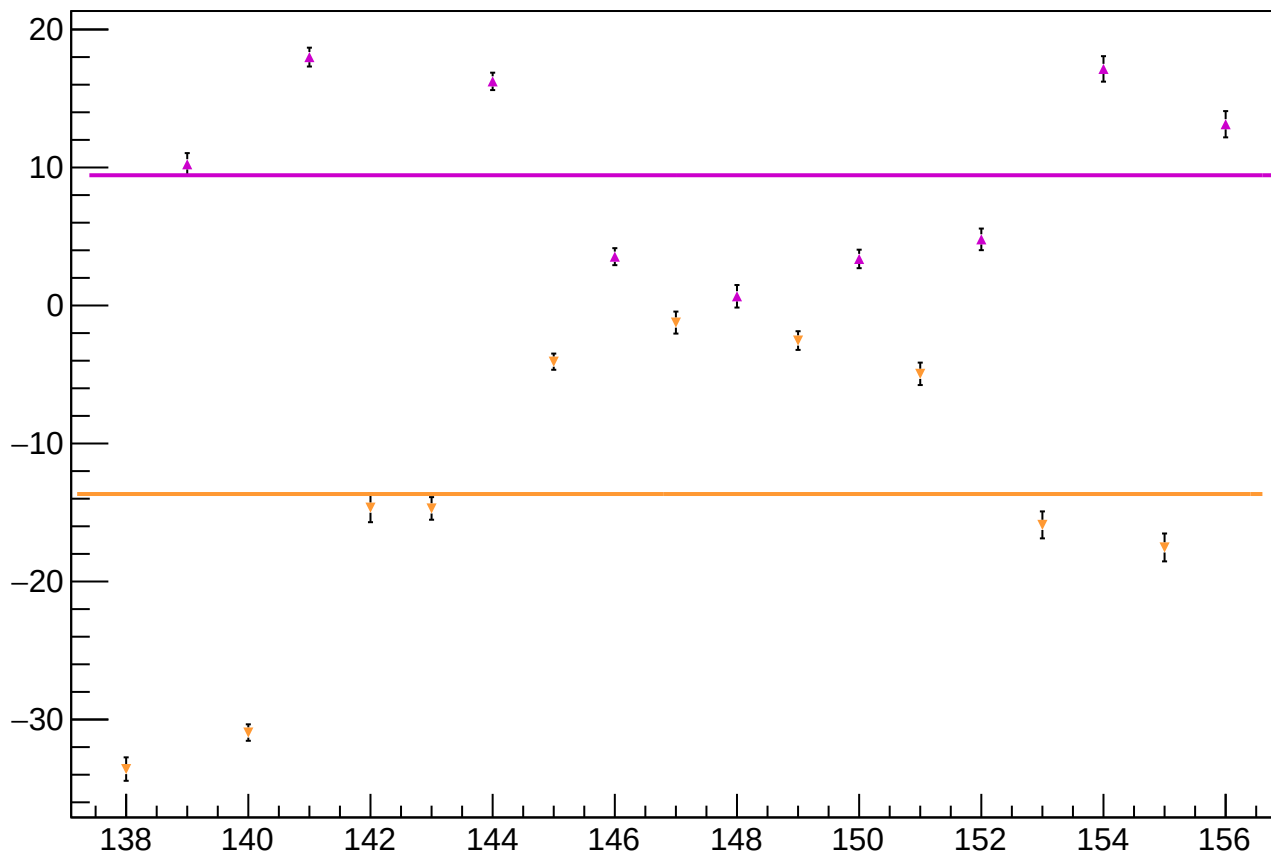
Left In: -0.418 ± 0.007 χ^2/NDF : 951.3/8

0.348 ± 0.006 χ^2/NDF : 1743.4/26

-0.017 ± 0.004 χ^2/NDF : 10605.5/55

-0.368 ± 0.006 χ^2/NDF : 2182.4/28

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -13.660+/-0.244 χ^2/NDF : 2308.8/9

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

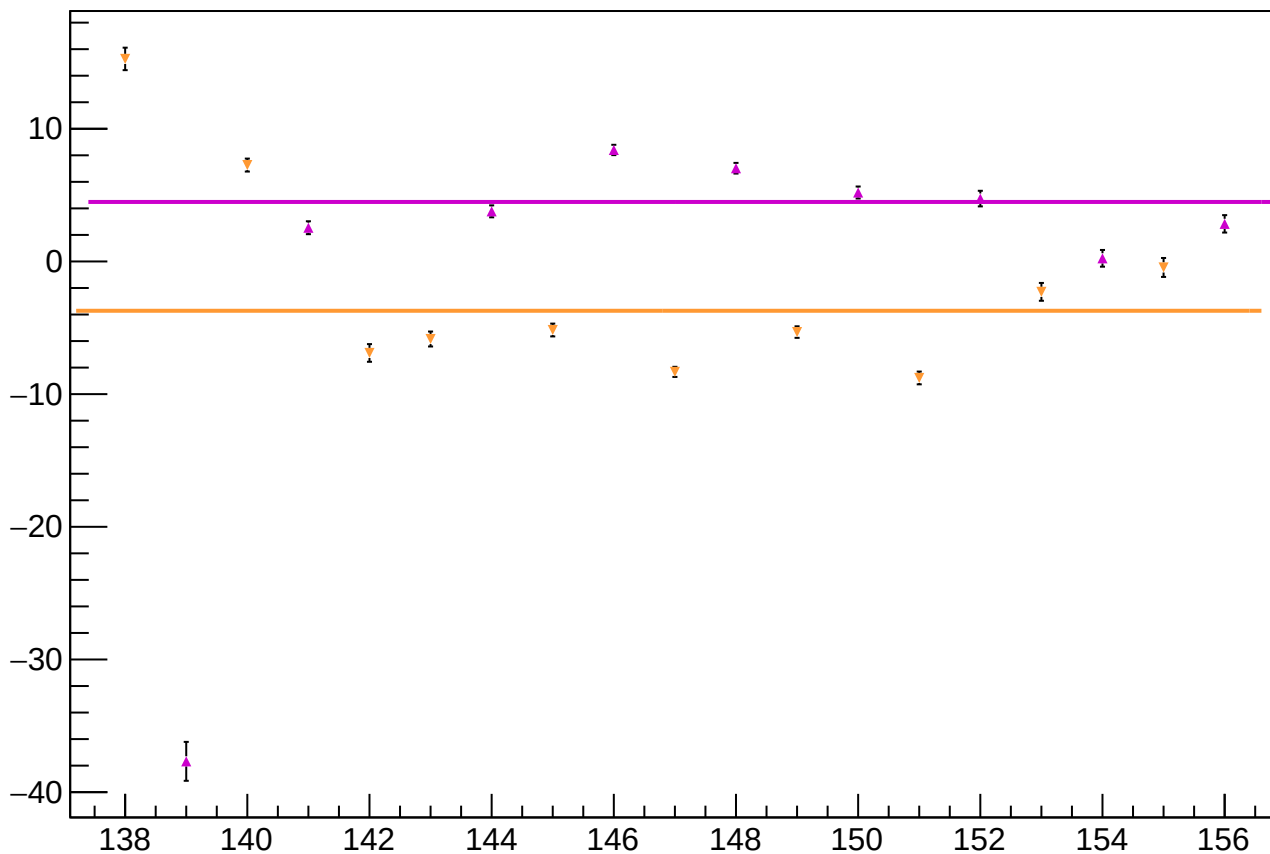
Left In: 9.438+/-0.246 χ^2/NDF : 683.6/8

-13.660+/-0.244 χ^2/NDF : 2308.8/9

-2.227+/-0.173 χ^2/NDF : 7428.2/18

9.438+/-0.246 χ^2/NDF : 683.6/8

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: -3.716+/-0.167 χ^2/NDF : 1348.2/9

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

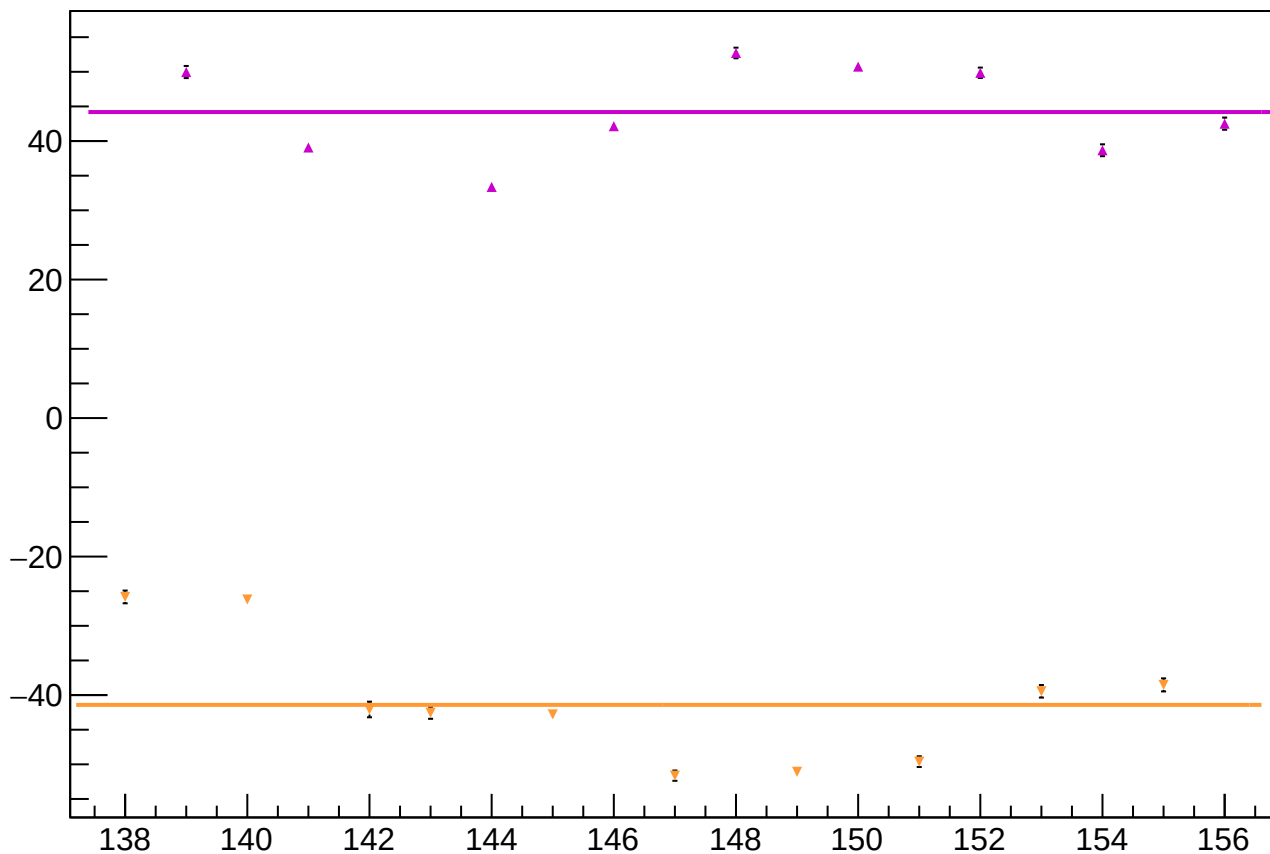
Left In: 4.485+/-0.169 χ^2/NDF : 1040.5/8

-3.716+/-0.167 χ^2/NDF : 1348.2/9

0.332+/-0.119 χ^2/NDF : 3580.2/18

4.485+/-0.169 χ^2/NDF : 1040.5/8

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -41.414+/-0.245 χ^2/NDF : 1414.4/9

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

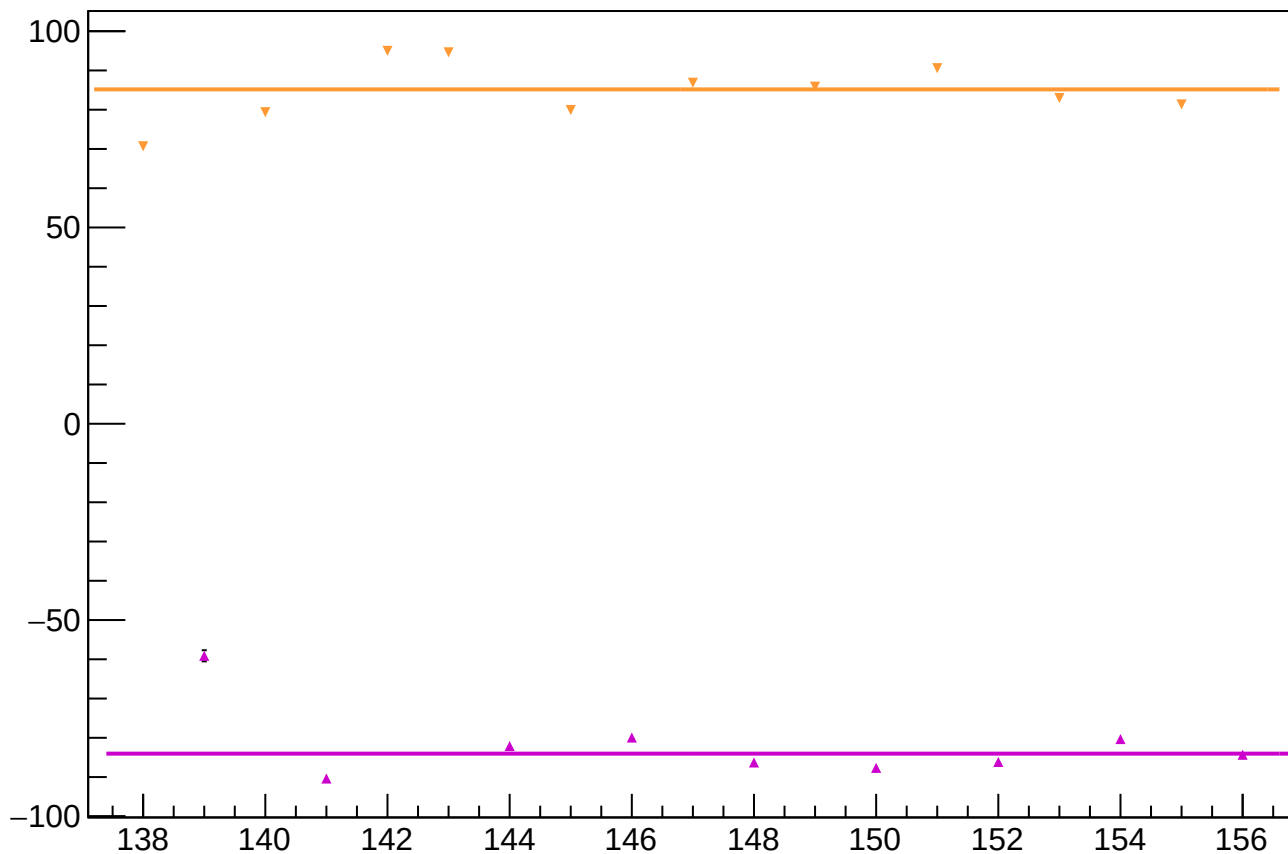
Left In: 44.189+/-0.243 χ^2/NDF : 697.4/8

-41.414+/-0.245 χ^2/NDF : 1414.4/9

1.742+/-0.173 χ^2/NDF : 63652.4/18

44.189+/-0.243 χ^2/NDF : 697.4/8

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 85.176 ± 0.204 χ^2/NDF : 871.3/9

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

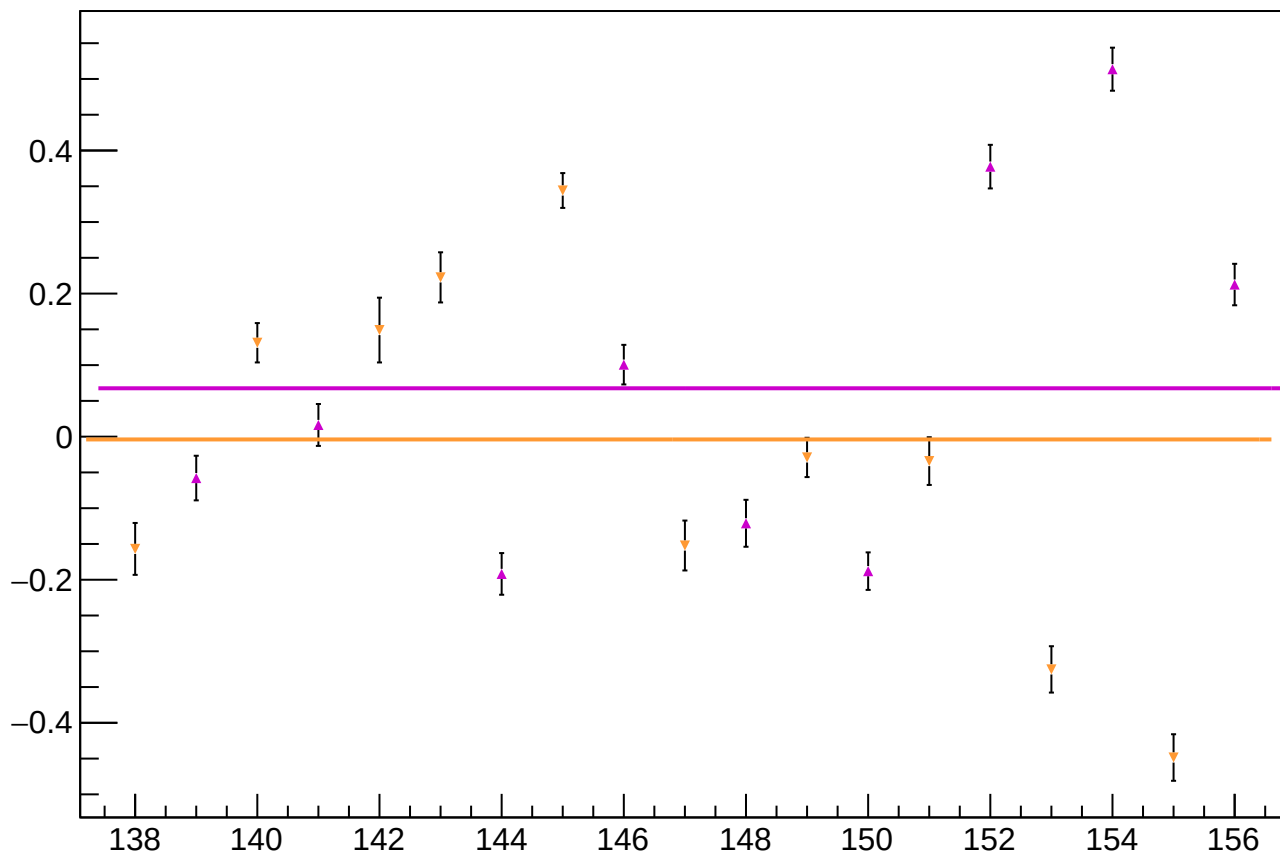
Left In: -84.032 ± 0.205 χ^2/NDF : 612.0/8

85.176 ± 0.204 χ^2/NDF : 871.3/9

1.002 ± 0.145 χ^2/NDF : 343418.1/18

-84.032 ± 0.205 χ^2/NDF : 612.0/8

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -0.004 $\pm$ 0.010 χ^2 /NDF: 604.3/9

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

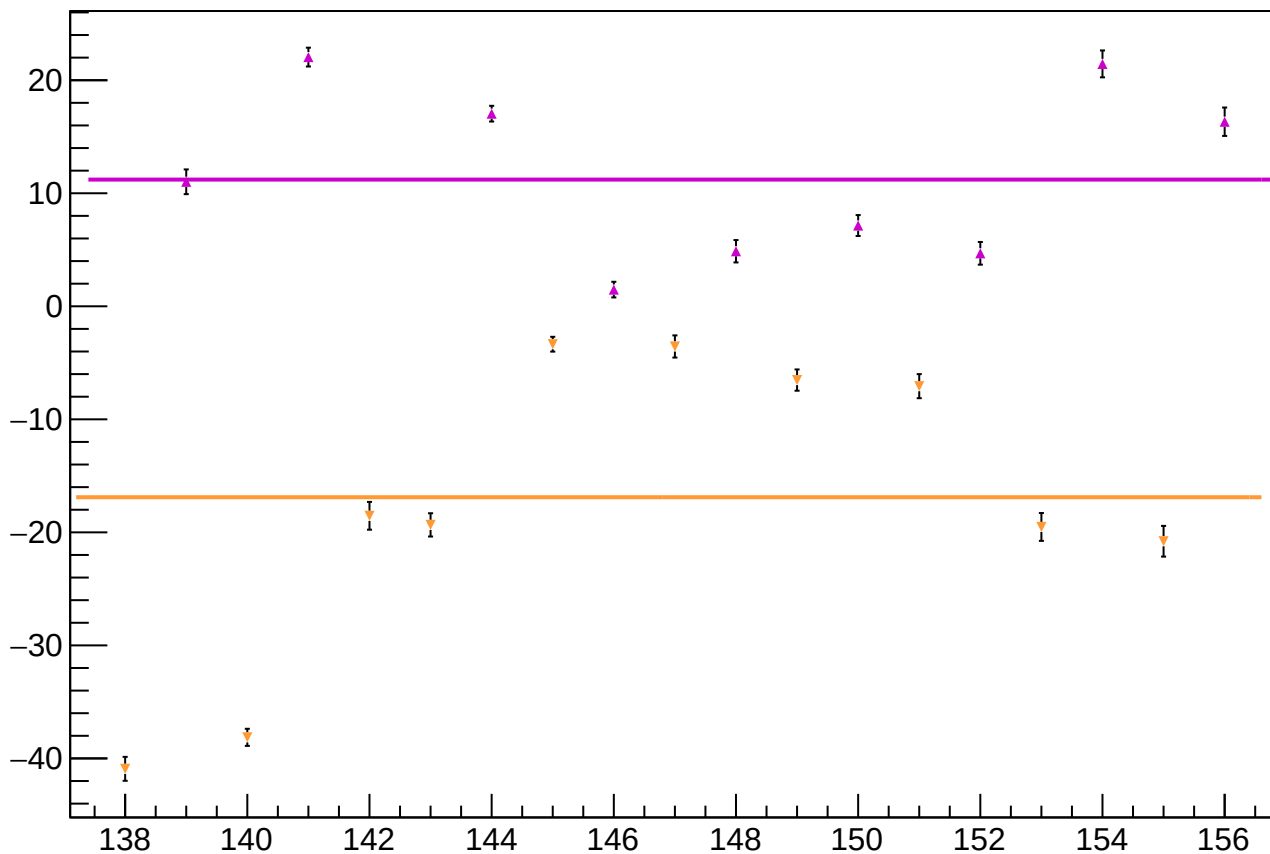
Left In: 0.068 $\pm$ 0.010 χ^2 /NDF: 576.3/8

-0.004 $\pm$ 0.010 χ^2 /NDF: 604.3/9

0.033 $\pm$ 0.007 χ^2 /NDF: 1206.8/18

0.068 $\pm$ 0.010 χ^2 /NDF: 576.3/8

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -16.893+/-0.304 χ^2/NDF : 2141.5/9

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

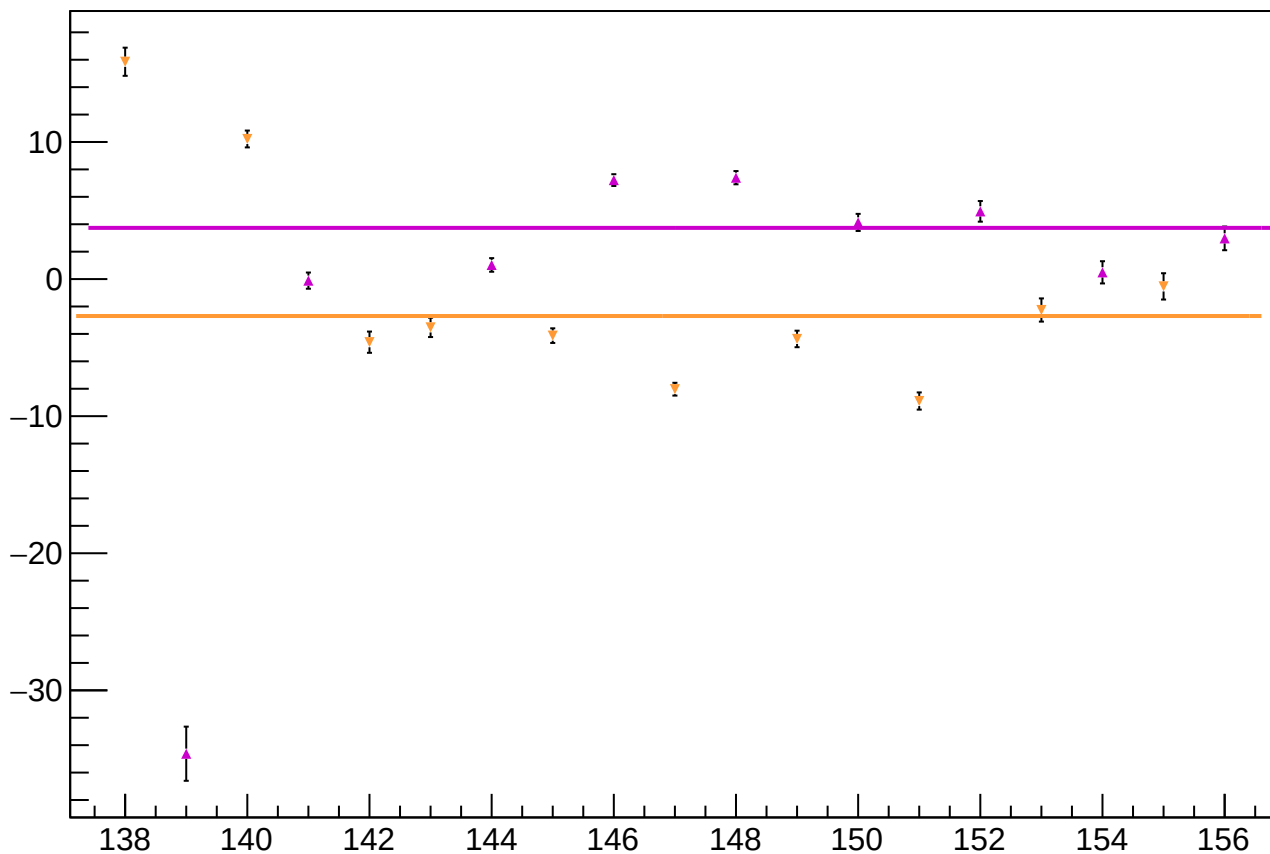
Left In: 11.209+/-0.302 χ^2/NDF : 630.5/8

-16.893+/-0.304 χ^2/NDF : 2141.5/9

-2.759+/-0.214 χ^2/NDF : 7070.9/18

11.209+/-0.302 χ^2/NDF : 630.5/8

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: -2.695+/-0.208 χ^2/NDF : 1024.0/9

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

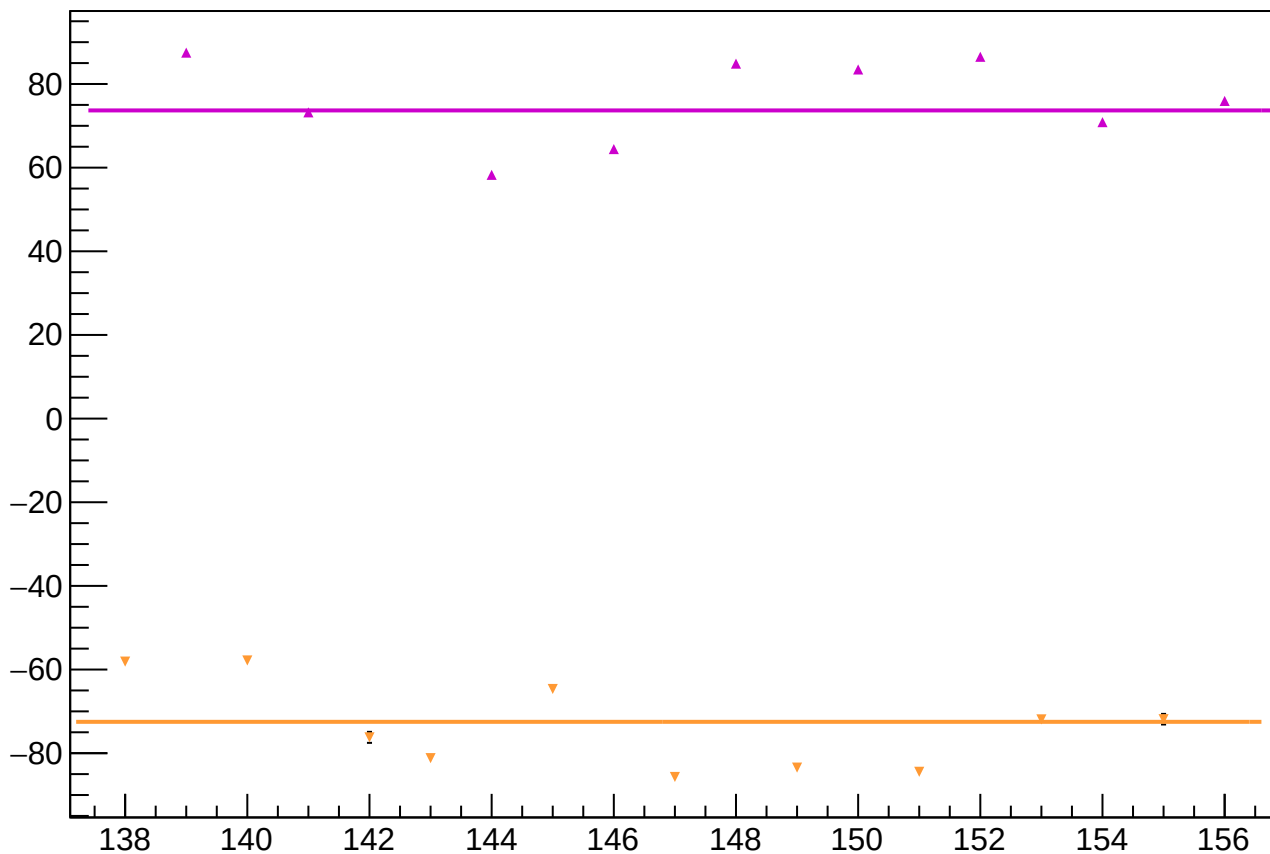
Left In: 3.735+/-0.204 χ^2/NDF : 592.5/8

-2.695+/-0.208 χ^2/NDF : 1024.0/9

0.585+/-0.145 χ^2/NDF : 2104.7/18

3.735+/-0.204 χ^2/NDF : 592.5/8

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -72.500+/-0.307 χ^2/NDF :1186.6/9

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

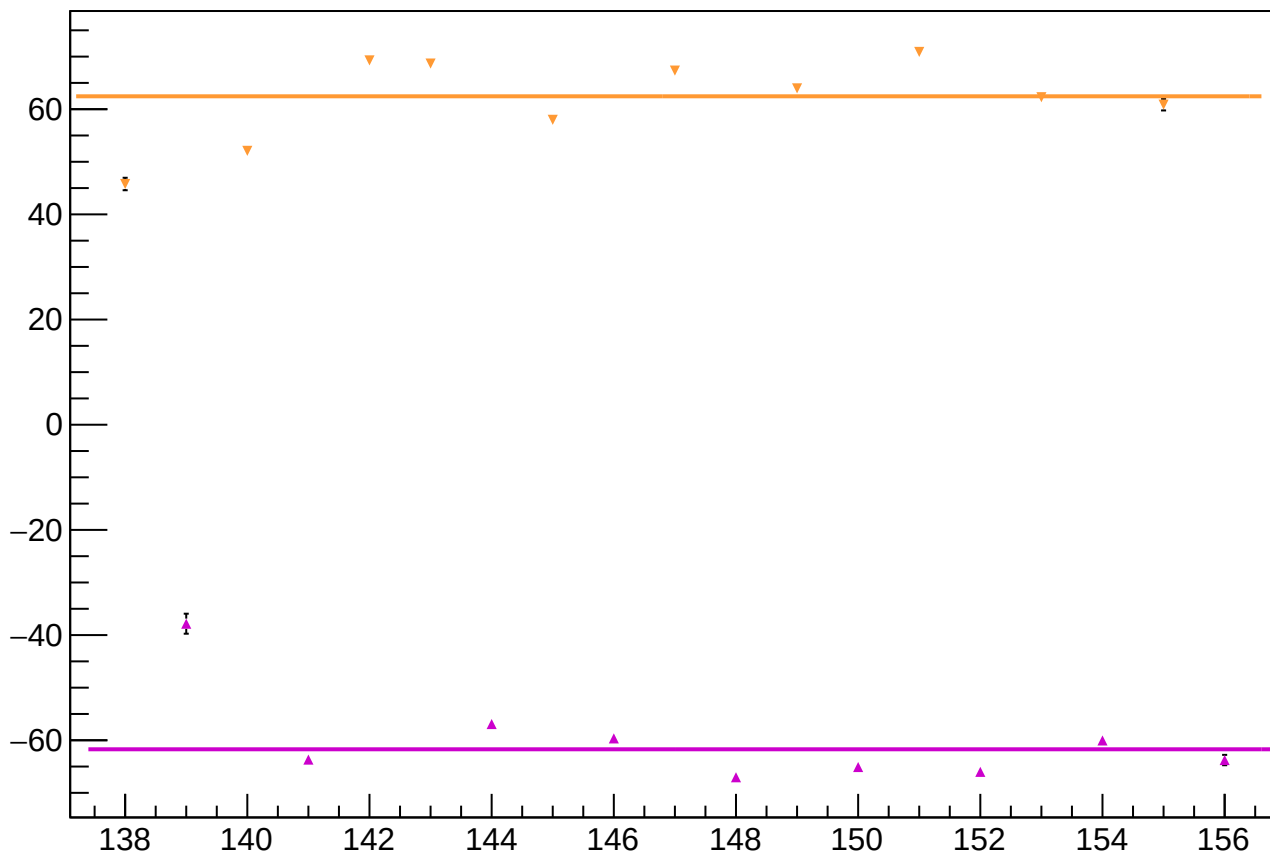
Left In: 73.680+/-0.299 χ^2/NDF :1219.1/8

-72.500+/-0.307 χ^2/NDF : 1186.6/9

2.528+/-0.214 χ^2/NDF : 118790.0/18

73.680+/-0.299 χ^2/NDF : 1219.1/8

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 62.452 ± 0.255 χ^2/NDF : 725.4/9

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

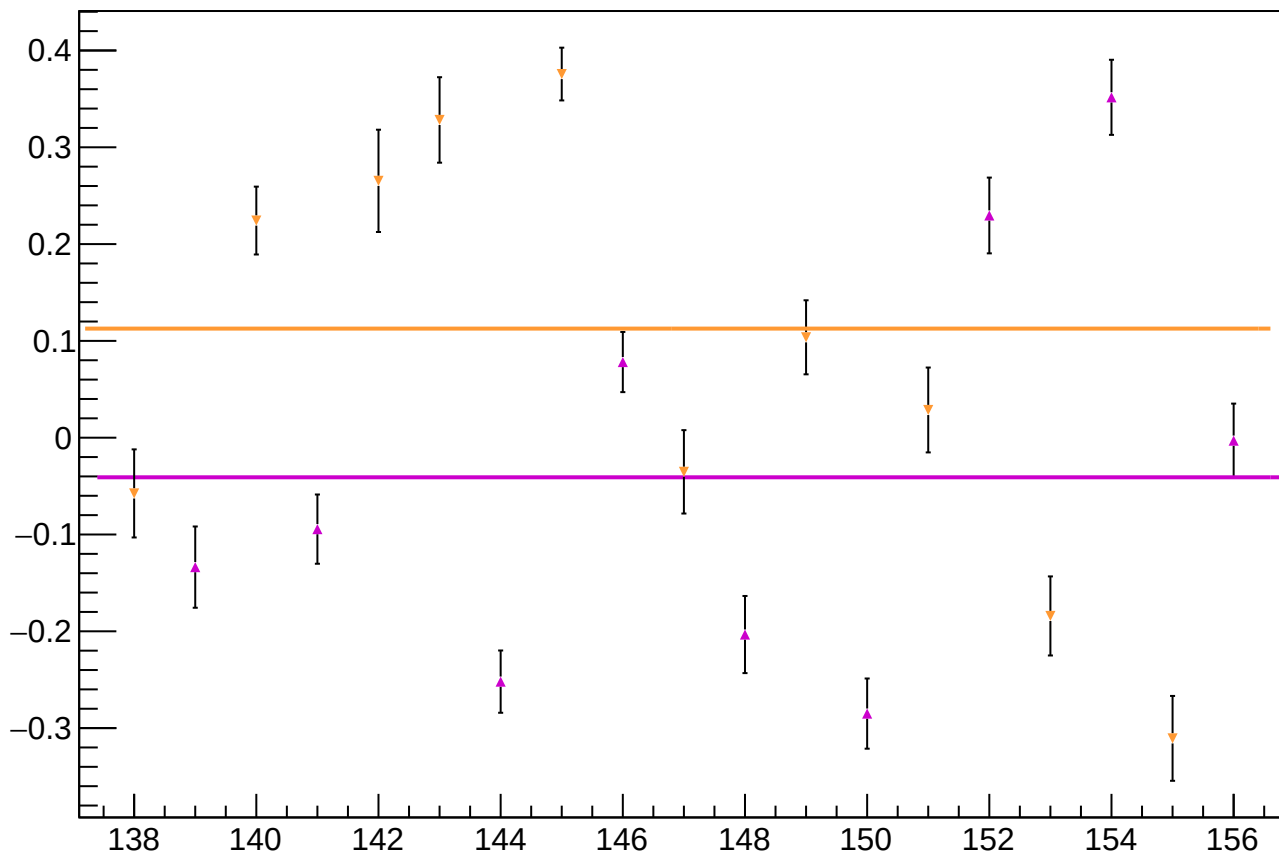
Left In: -61.718 ± 0.249 χ^2/NDF : 361.3/8

62.452 ± 0.255 χ^2/NDF : 725.4/9

-0.987 ± 0.178 χ^2/NDF : 122612.7/18

-61.718 ± 0.249 χ^2/NDF : 361.3/8

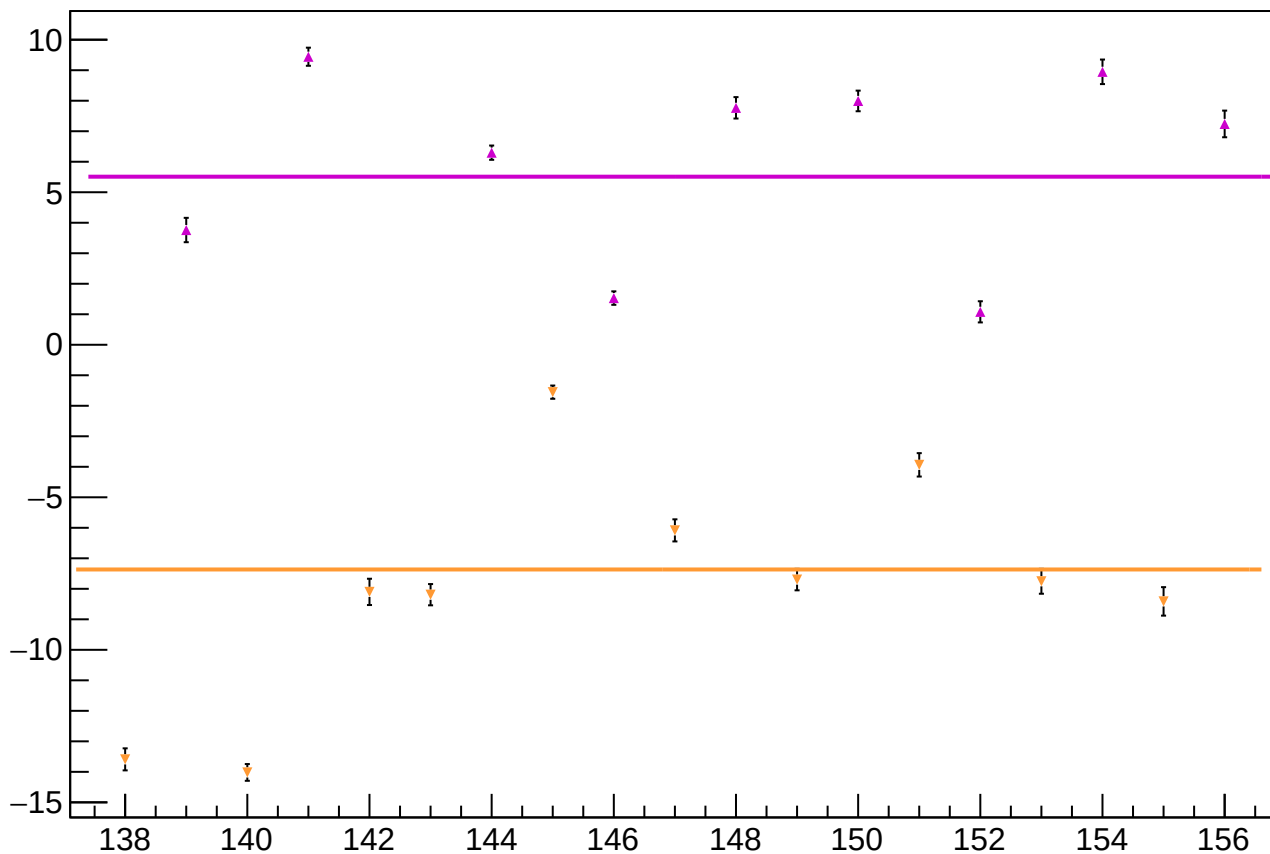
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.113 $\pm$ 0.013 χ^2 /NDF:311.0/9
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.041 $\pm$ 0.012 χ^2 /NDF:278.0/8

0.113 $\pm$ 0.013 χ^2 /NDF: 311.0/9
 0.034 $\pm$ 0.009 χ^2 /NDF: 666.3/18
 -0.041 $\pm$ 0.012 χ^2 /NDF: 278.0/8

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -7.366+/-0.106 χ^2/NDF : 1708.5/9

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

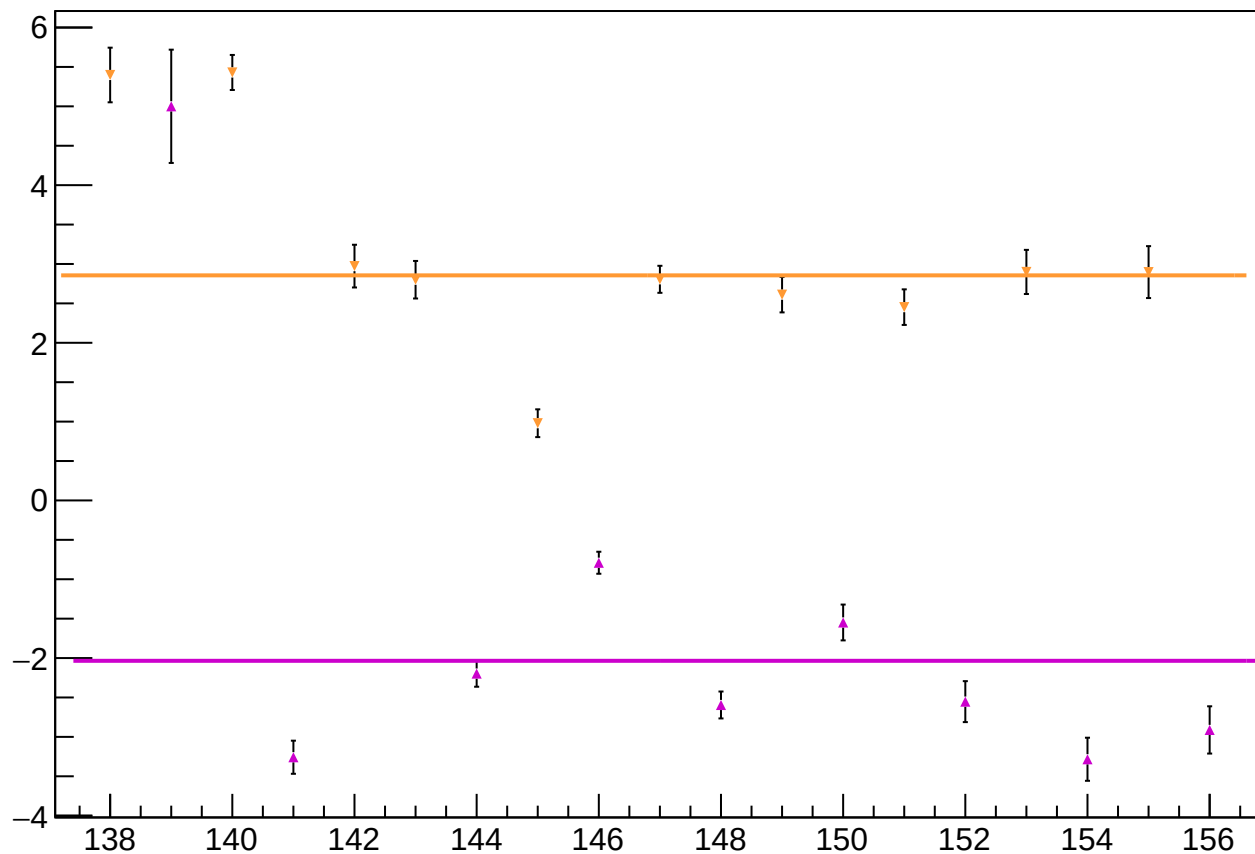
Left In: 5.510+/-0.104 χ^2/NDF : 877.4/8

-7.366+/-0.106 χ^2/NDF : 1708.5/9

-0.782+/-0.074 χ^2/NDF : 10115.8/18

5.510+/-0.104 χ^2/NDF : 877.4/8

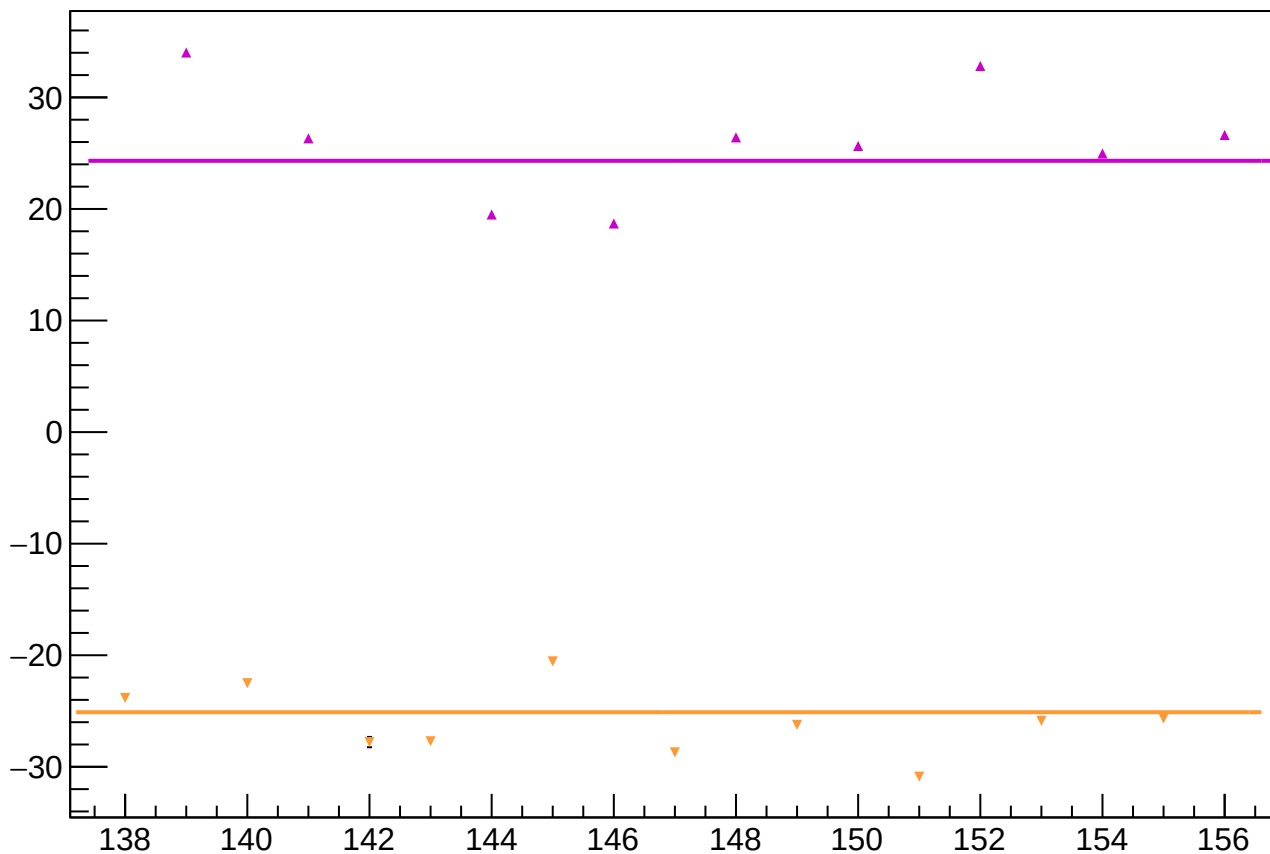
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 2.856+/-0.073 χ^2/NDF :305.9/9
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.035+/-0.070 χ^2/NDF :258.9/8

2.856+/-0.073 χ^2/NDF : 305.9/9
 0.302+/-0.050 χ^2/NDF : 2904.8/18
 -2.035+/-0.070 χ^2/NDF : 258.9/8

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -25.106+/-0.107 χ^2/NDF : 941.8/9

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

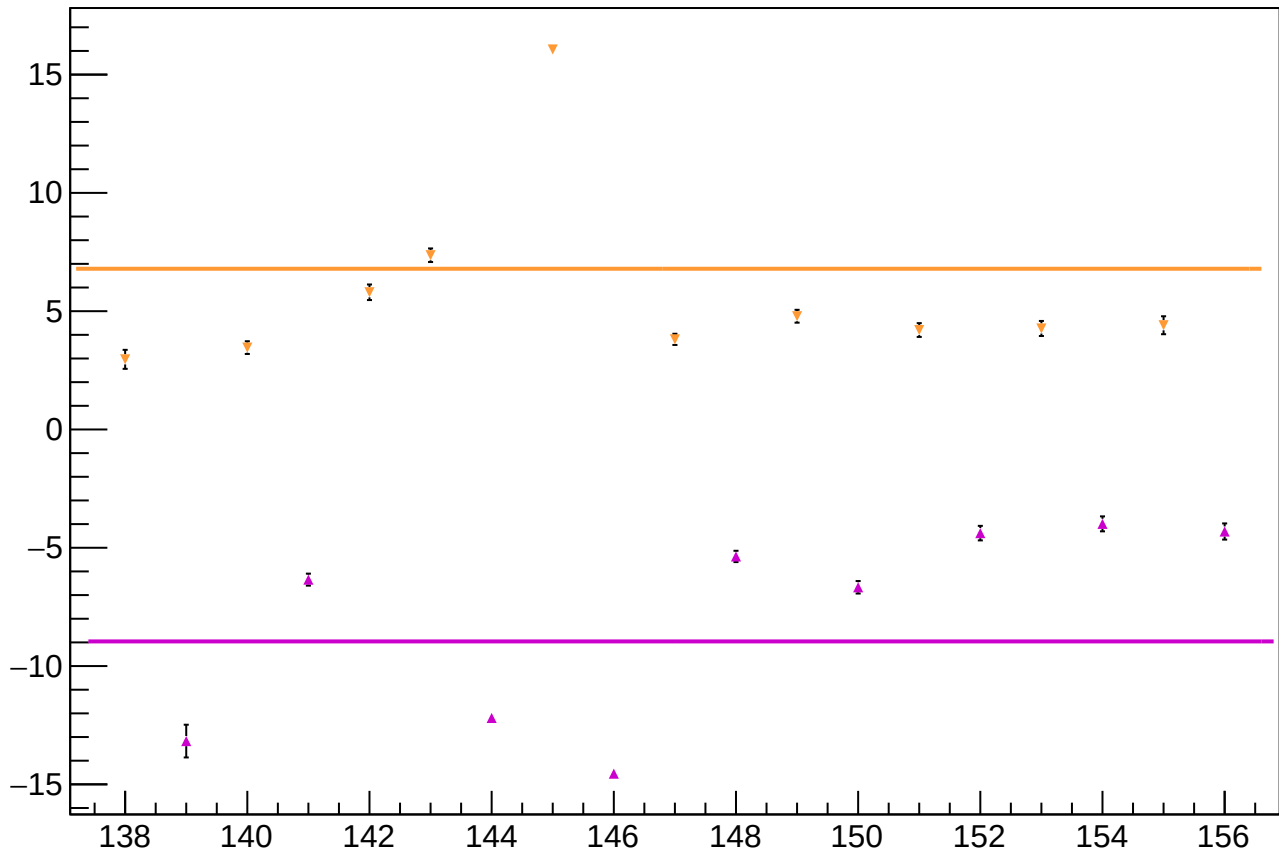
Left In: 24.316+/-0.103 χ^2/NDF : 2360.7/8

-25.106+/-0.107 χ^2/NDF : 941.8/9

0.749+/-0.074 χ^2/NDF : 113950.8/18

24.316+/-0.103 χ^2/NDF : 2360.7/8

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 6.794+/-0.089 χ^2/NDF : 2732.8/9

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

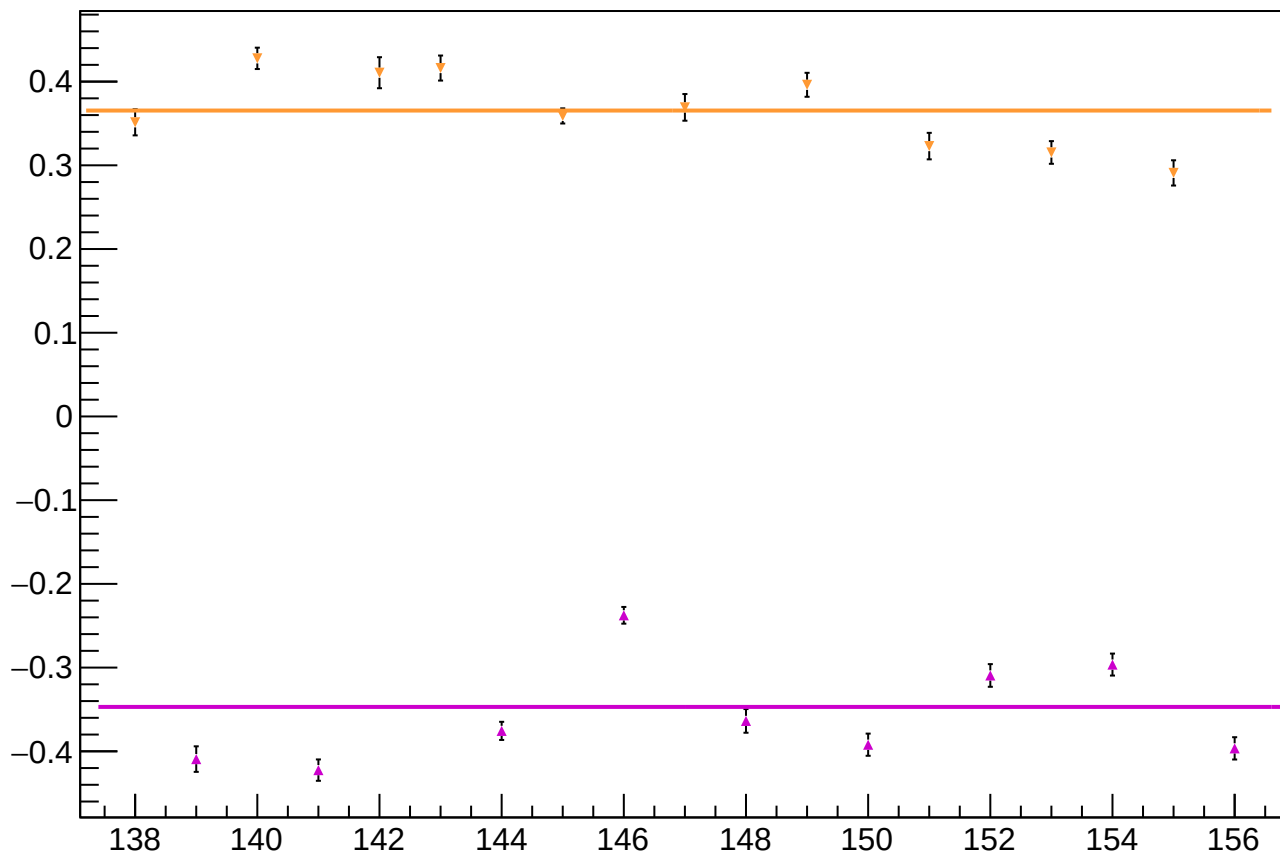
Left In: -8.958+/-0.085 χ^2/NDF : 2385.5/8

6.794+/-0.089 χ^2/NDF : 2732.8/9

-1.421+/-0.062 χ^2/NDF : 21363.8/18

-8.958+/-0.085 χ^2/NDF : 2385.5/8

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.365 $\pm$ 0.004 χ^2 /NDF:92.6/9

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

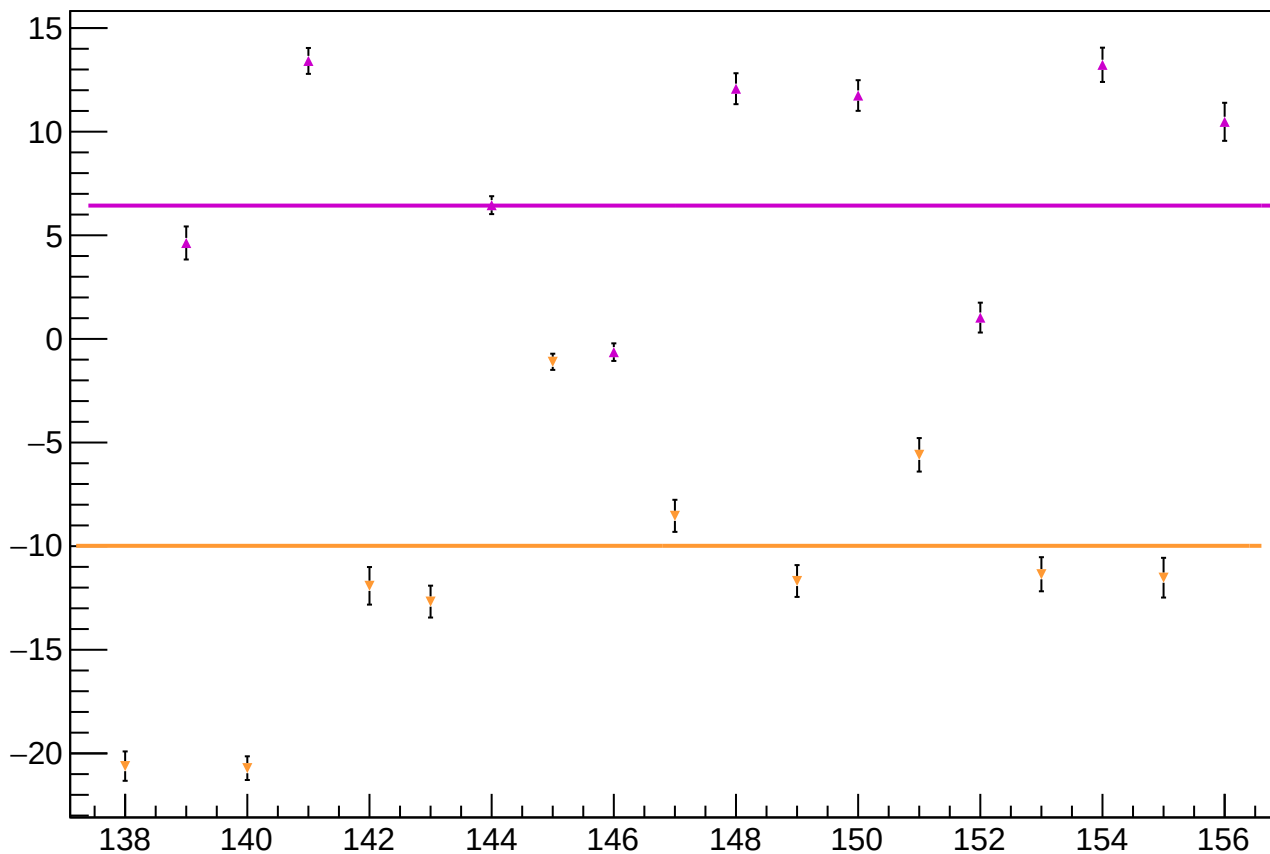
Left In: -0.347 $\pm$ 0.004 χ^2 /NDF:228.1/8

0.365 $\pm$ 0.004 χ^2 /NDF: 92.6/9

-0.004 $\pm$ 0.003 χ^2 /NDF: 14145.4/18

-0.347 $\pm$ 0.004 χ^2 /NDF: 228.1/8

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -9.984+/-0.213 χ^2/NDF : 1155.8/9

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

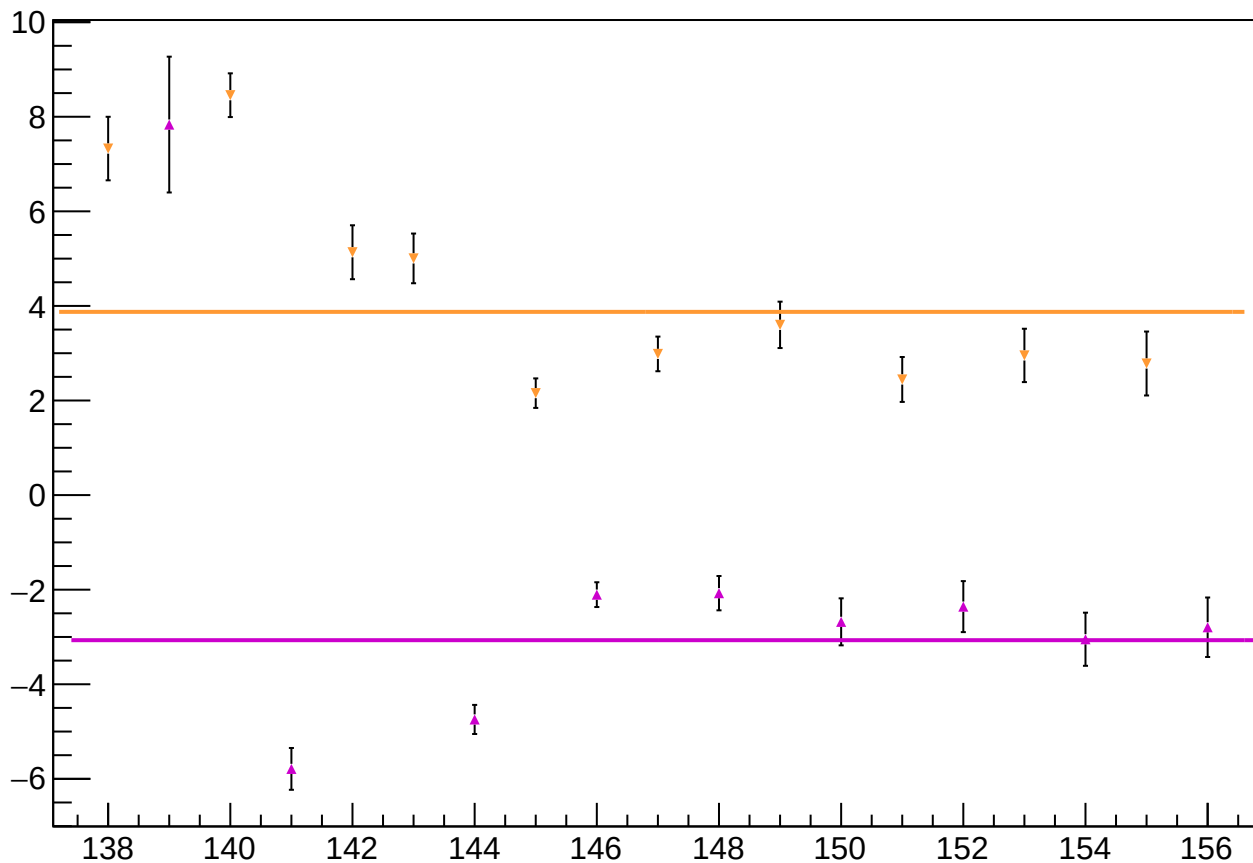
Left In: 6.433+/-0.207 χ^2/NDF : 659.4/8

-9.984+/-0.213 χ^2/NDF : 1155.8/9

-1.548+/-0.149 χ^2/NDF : 4860.9/18

6.433+/-0.207 χ^2/NDF : 659.4/8

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-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

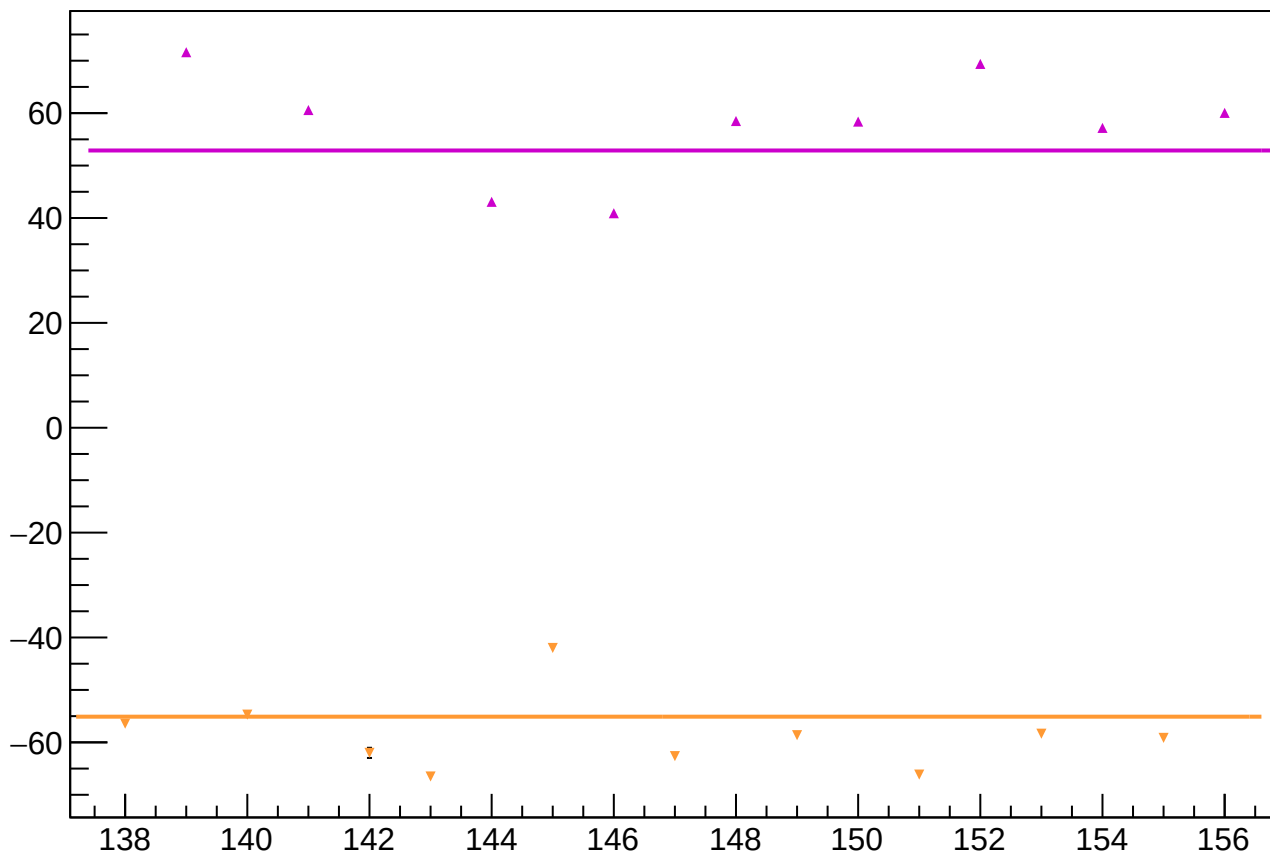
Left In: -3.068+/-0.139 χ^2/NDF :148.8/8

3.874+/-0.149 χ^2/NDF : 185.0/9

0.178+/-0.102 χ^2/NDF : 1494.7/18

-3.068+/-0.139 χ^2/NDF : 148.8/8

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -55.102+/-0.217 χ^2/NDF : 1614.5/9

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

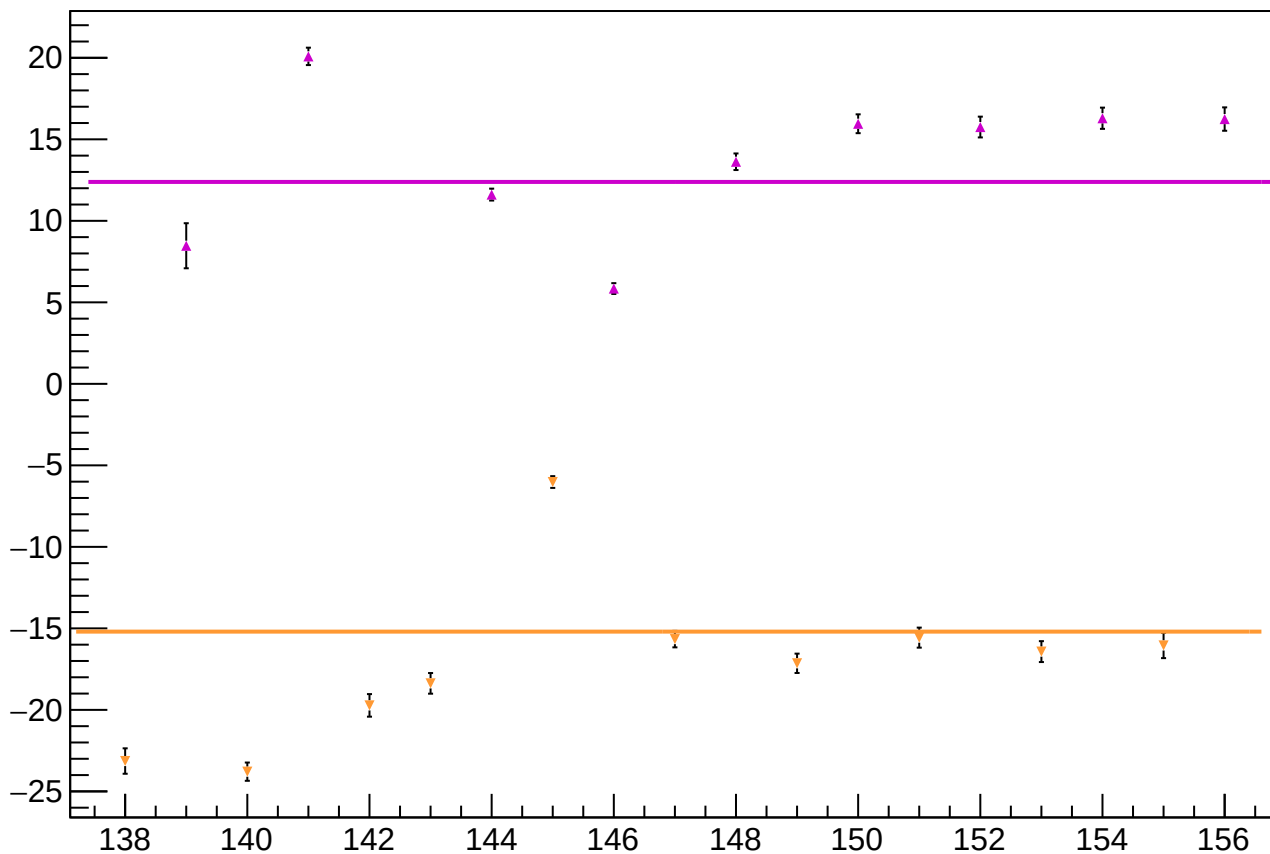
Left In: 52.877+/-0.206 χ^2/NDF : 2718.0/8

-55.102+/-0.217 χ^2/NDF : 1614.5/9

1.761+/-0.149 χ^2/NDF : 134569.4/18

52.877+/-0.206 χ^2/NDF : 2718.0/8

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -15.199+/-0.181 χ^2/NDF : 1070.2/9

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

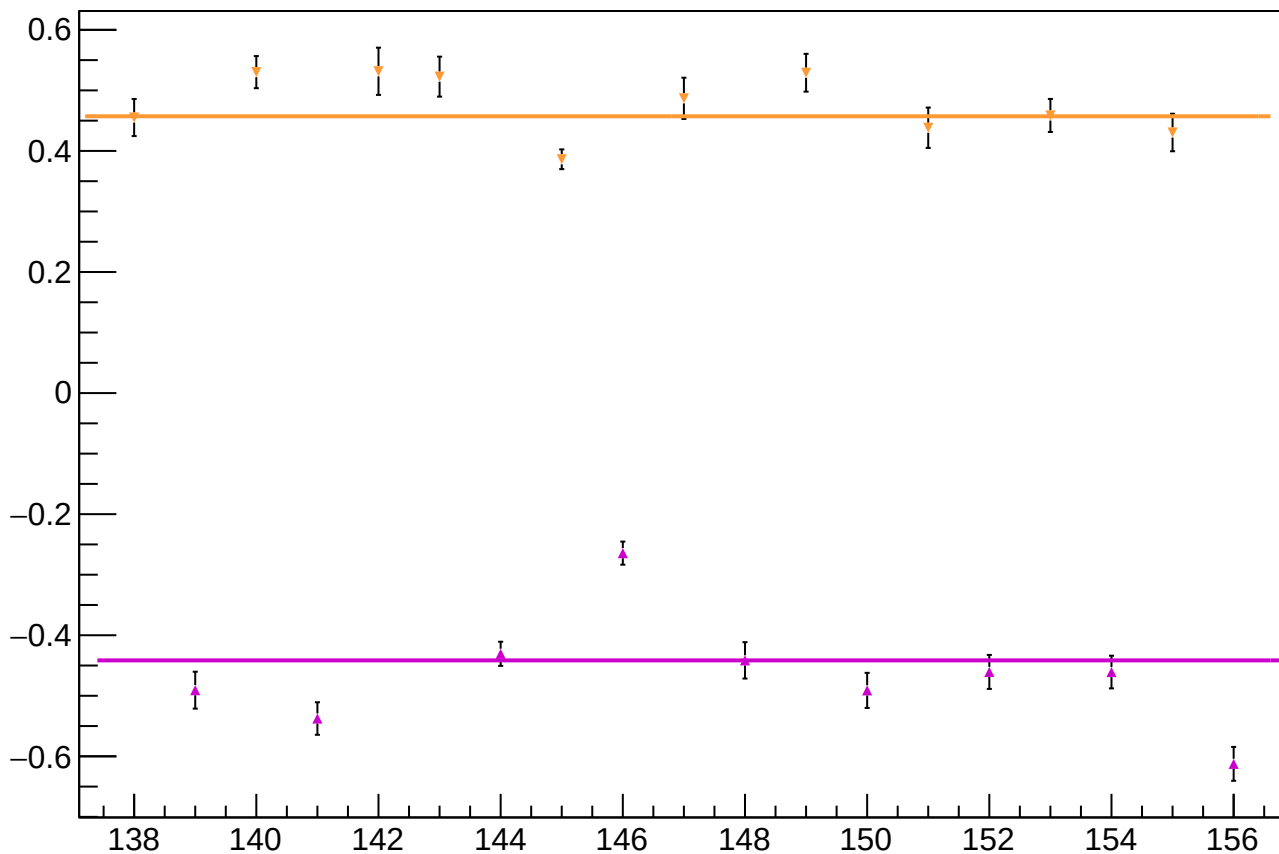
Left In: 12.386+/-0.171 χ^2/NDF : 747.7/8

-15.199+/-0.181 χ^2/NDF : 1070.2/9

-0.617+/-0.124 χ^2/NDF : 14115.0/18

12.386+/-0.171 χ^2/NDF : 747.7/8

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.457 $\pm$ 0.009 χ^2 /NDF: 41.2/9

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

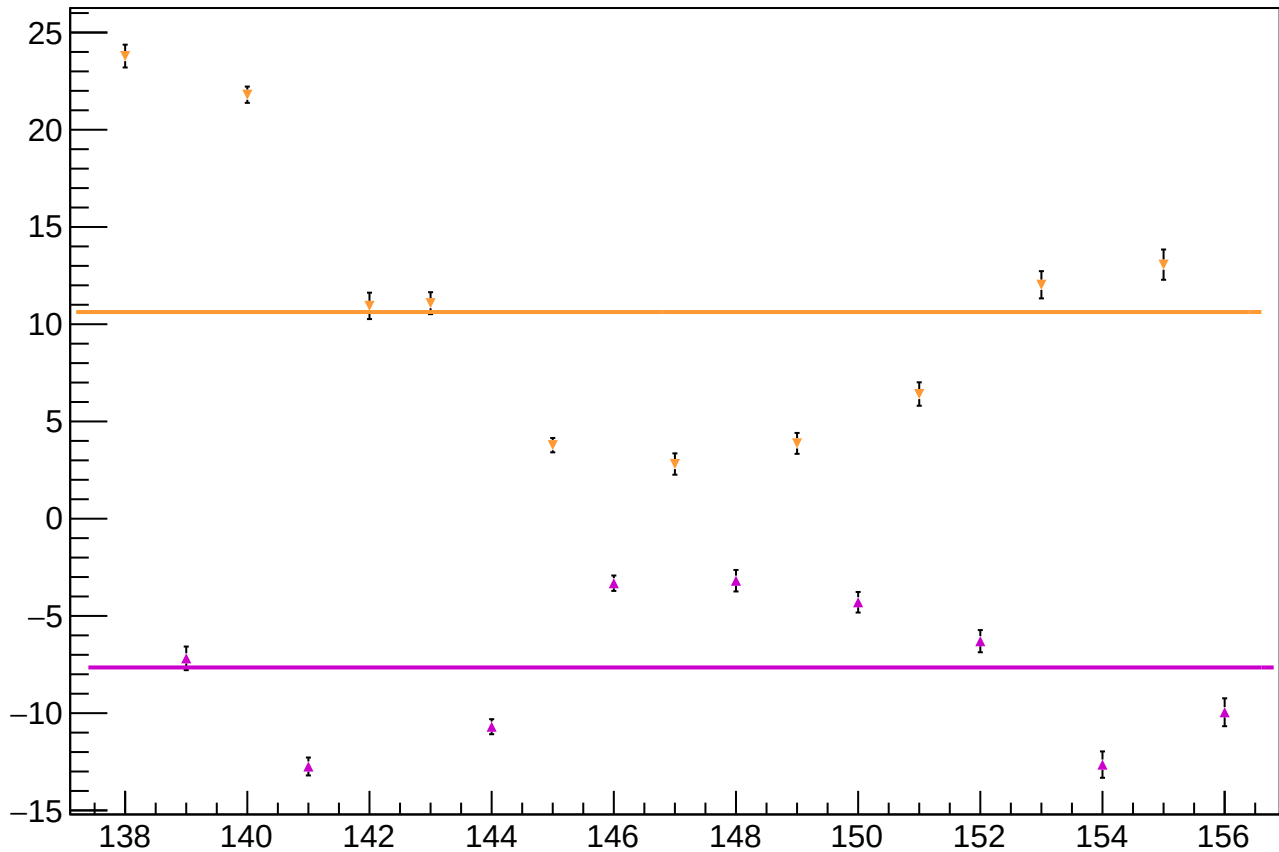
Left In: -0.442 $\pm$ 0.008 χ^2 /NDF: 143.0/8

0.457 $\pm$ 0.009 χ^2 /NDF: 41.2/9

-0.008 $\pm$ 0.006 χ^2 /NDF: 5614.6/18

-0.442 $\pm$ 0.008 χ^2 /NDF: 143.0/8

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 10.626+/-0.170 χ^2/NDF : 1984.8/9

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

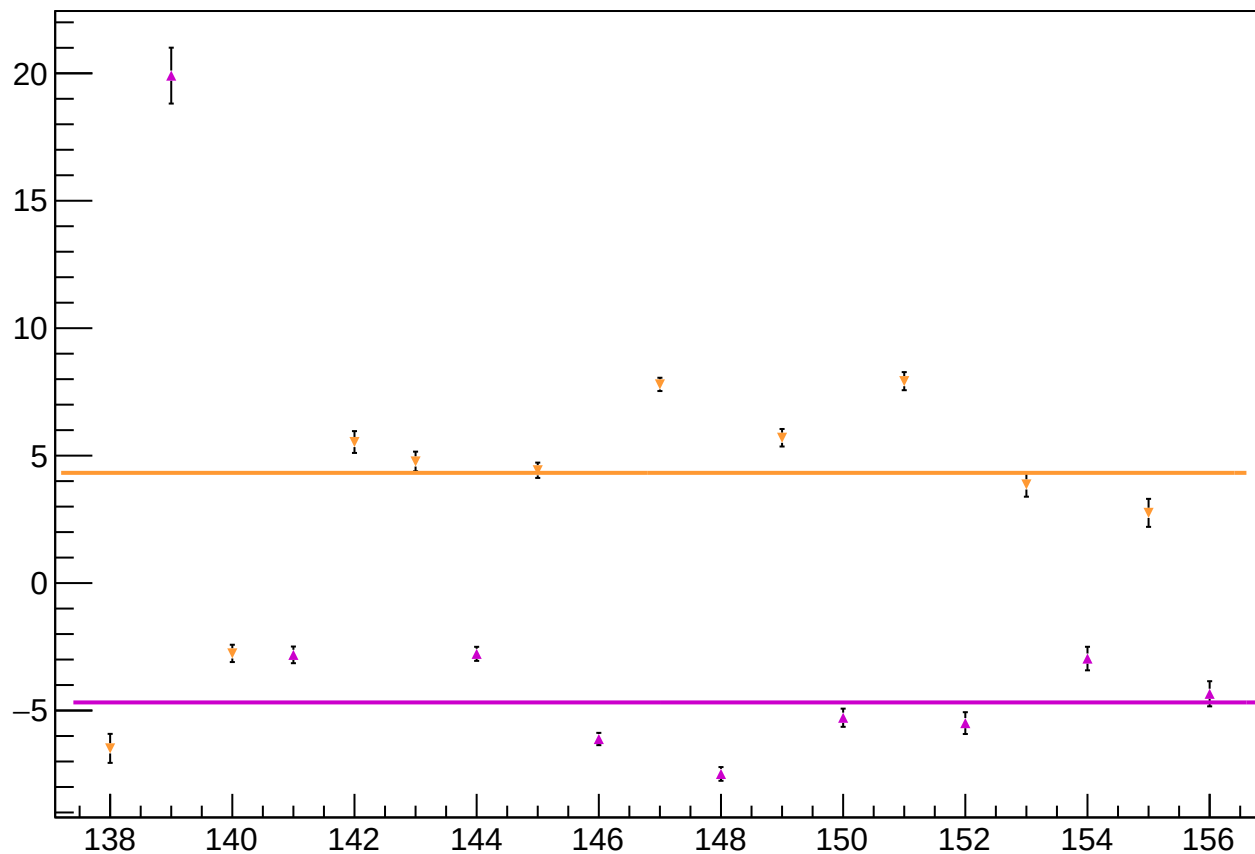
Left In: -7.650+/-0.170 χ^2/NDF : 479.7/8

10.626+/-0.170 χ^2/NDF : 1984.8/9

1.487+/-0.120 χ^2/NDF : 8226.4/18

-7.650+/-0.170 χ^2/NDF : 479.7/8

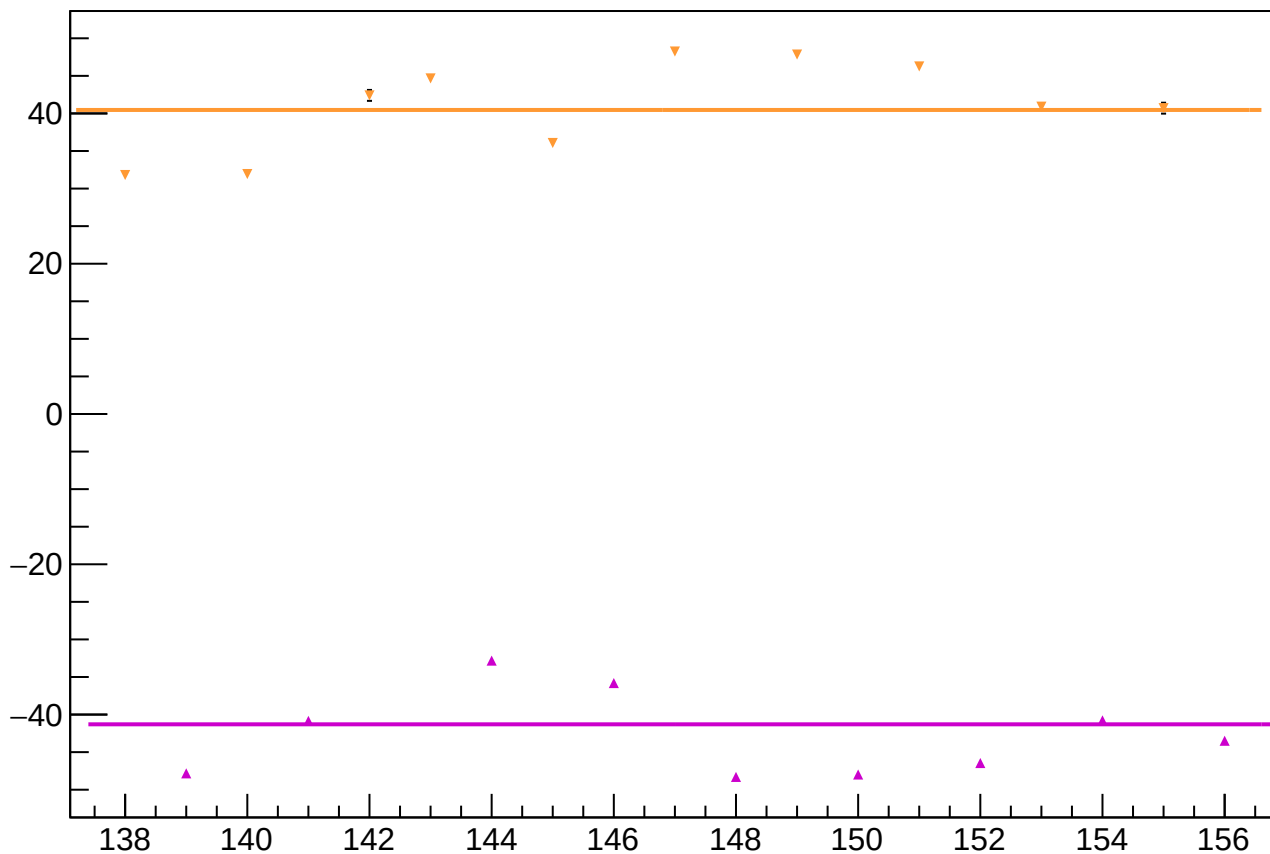
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 4.325+/-0.116 χ^2/NDF : 1110.3/9
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -4.682+/-0.114 χ^2/NDF : 747.9/8

4.325+/-0.116 χ^2/NDF : 1110.3/9
 -0.258+/-0.082 χ^2/NDF : 4901.8/18
 -4.682+/-0.114 χ^2/NDF : 747.9/8

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: 40.463+/-0.172 χ^2/NDF :1281.0/9

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

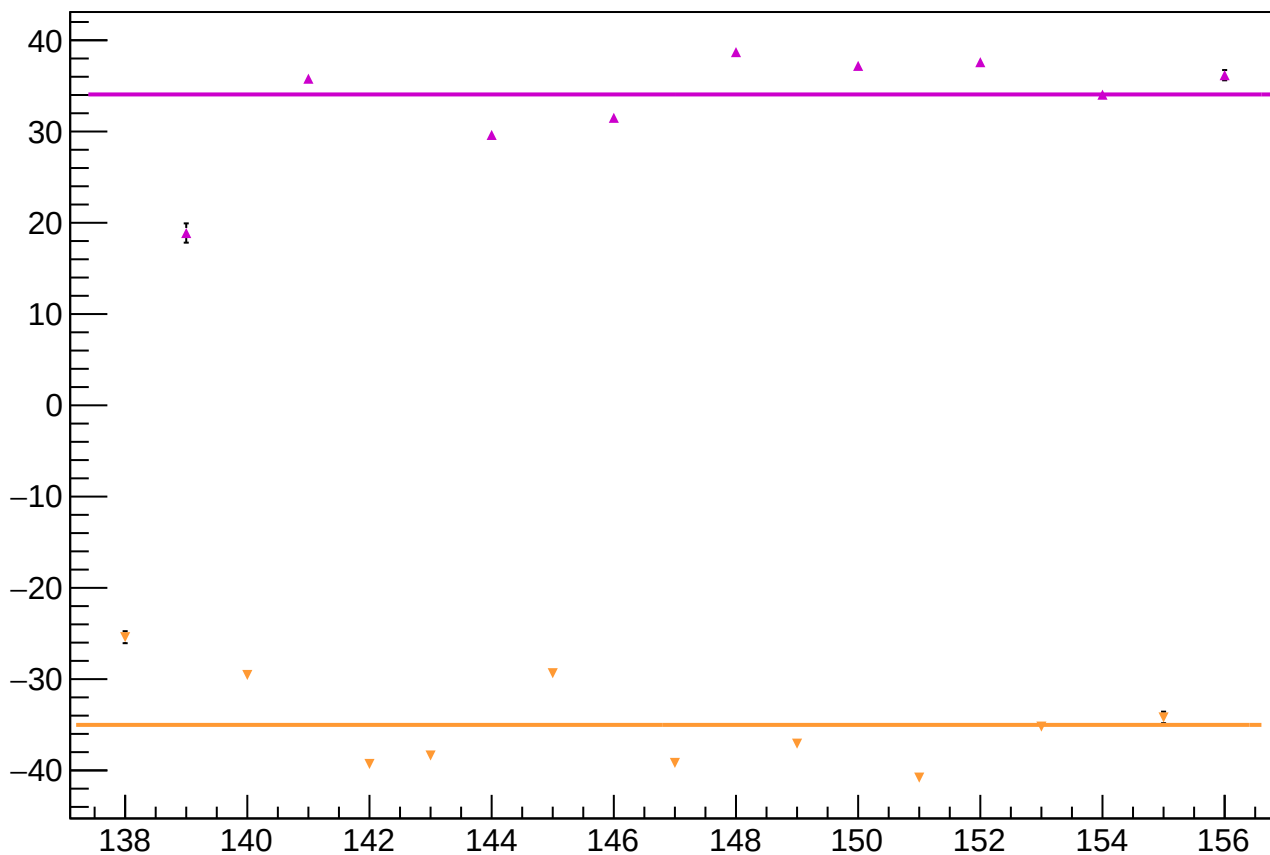
Left In: -41.297+/-0.169 χ^2/NDF :1191.9/8

40.463+/-0.172 χ^2/NDF : 1281.0/9

-1.273+/-0.120 χ^2/NDF : 117570.7/18

-41.297+/-0.169 χ^2/NDF : 1191.9/8

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -35.014+/-0.143 χ^2/NDF : 1098.8/9

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

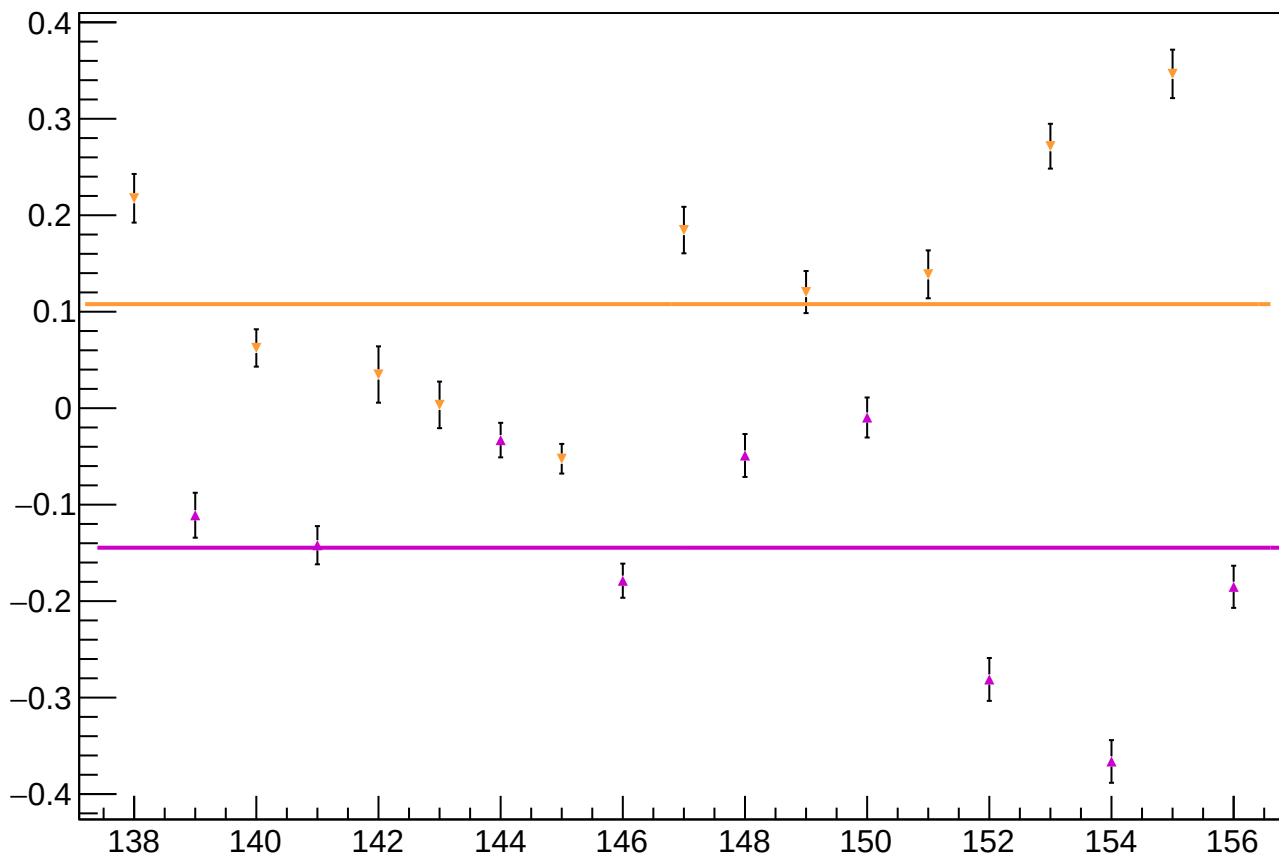
Left In: 34.062+/-0.140 χ^2/NDF : 752.2/8

-35.014+/-0.143 χ^2/NDF : 1098.8/9

0.139+/-0.100 χ^2/NDF : 121068.9/18

34.062+/-0.140 χ^2/NDF : 752.2/8

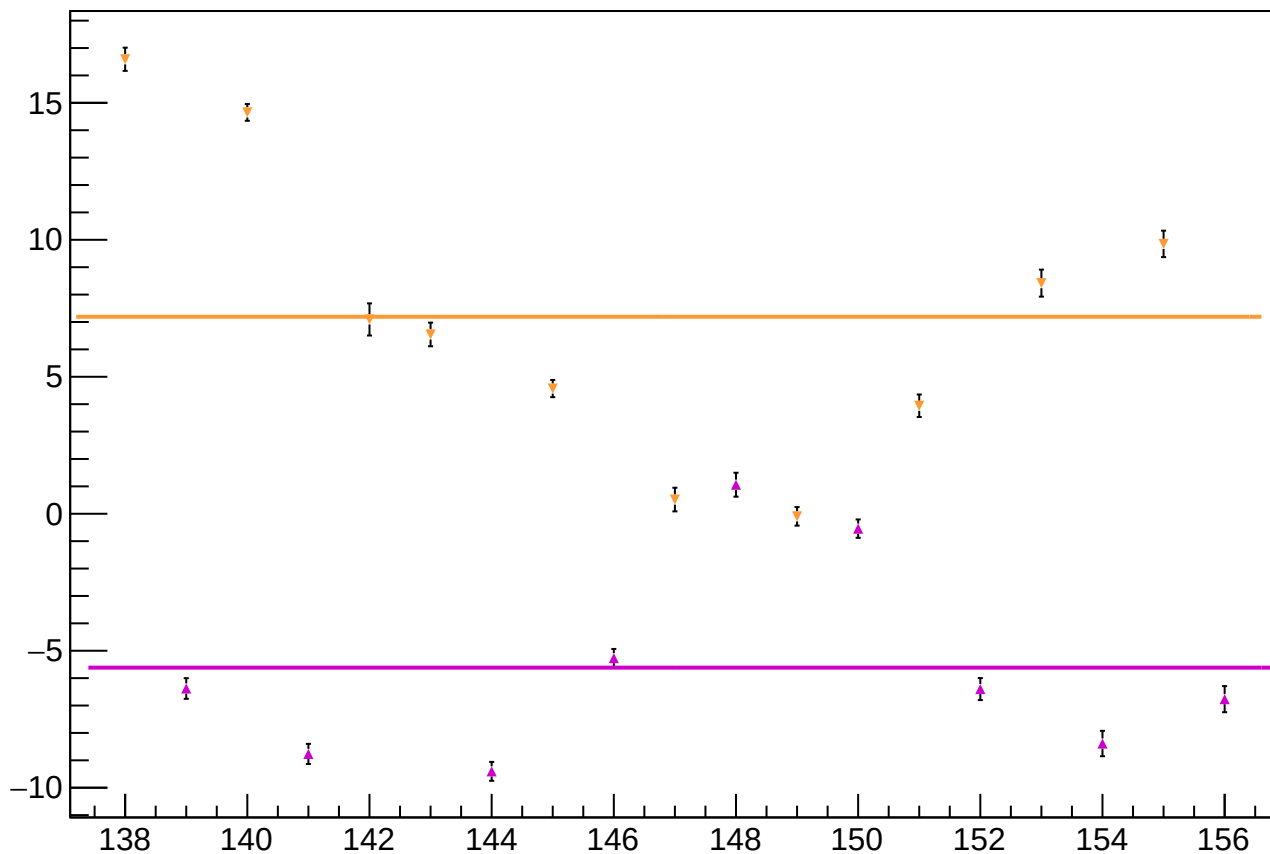
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.108 $\pm$ 0.007 χ^2 /NDF:310.0/9
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.145 $\pm$ 0.007 χ^2 /NDF:246.9/8

0.108 $\pm$ 0.007 χ^2 /NDF: 310.0/9
 -0.021 $\pm$ 0.005 χ^2 /NDF: 1217.0/18
 -0.145 $\pm$ 0.007 χ^2 /NDF: 246.9/8

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 7.191 ± 0.126 χ^2/NDF : 1961.3/9

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

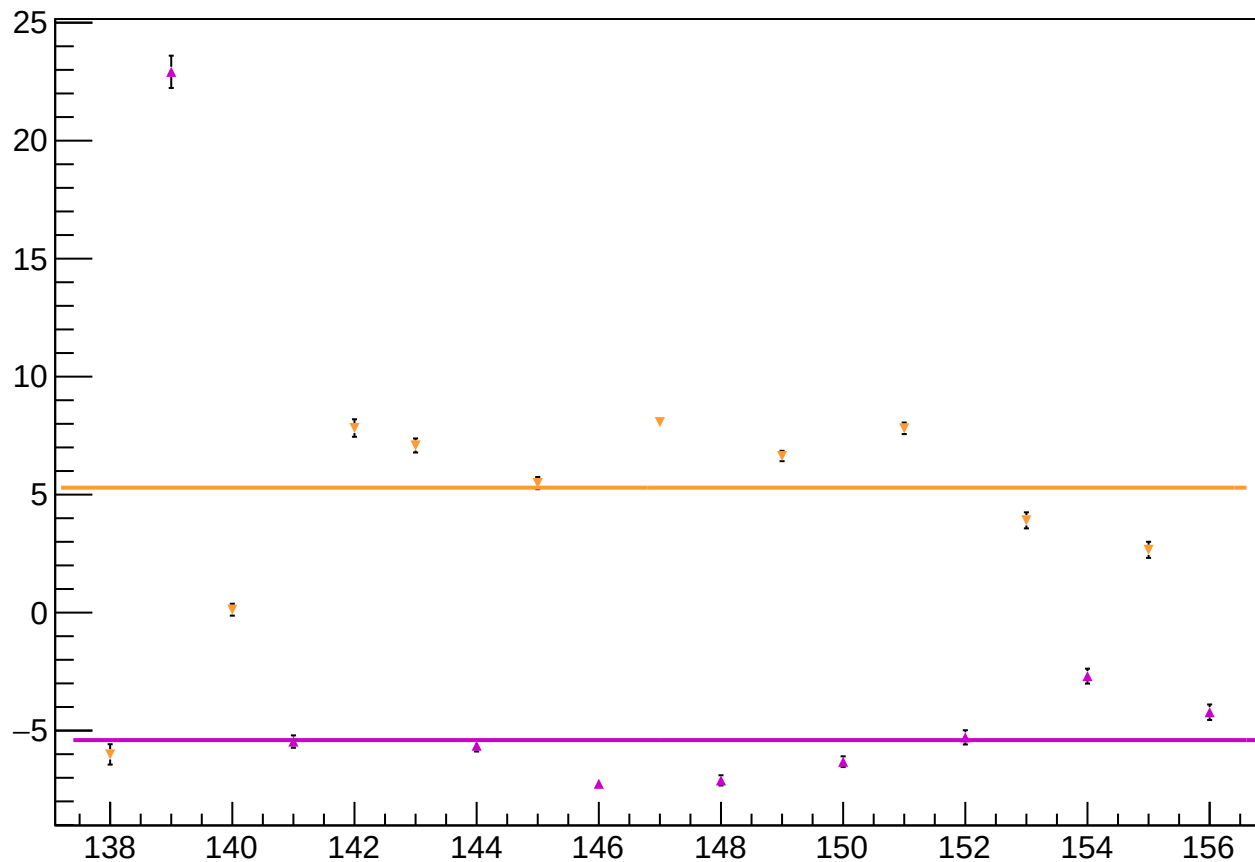
Left In: -5.617 ± 0.128 χ^2/NDF : 707.4/8

7.191 ± 0.126 χ^2/NDF : 1961.3/9

0.888 ± 0.090 χ^2/NDF : 7764.7/18

-5.617 ± 0.128 χ^2/NDF : 707.4/8

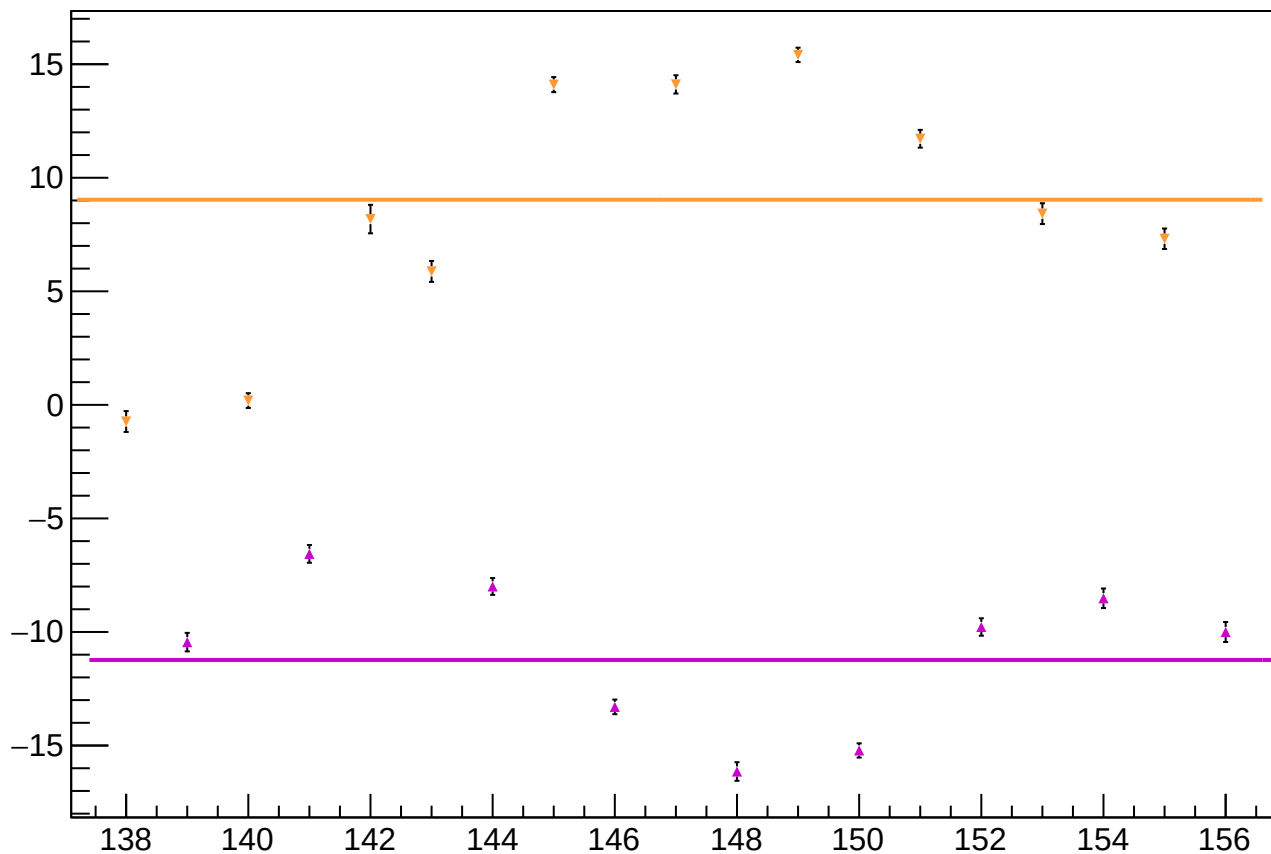
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.294+/-0.087 χ^2/NDF :1587.0/9
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -5.403+/-0.089 χ^2/NDF :1953.8/8

5.294+/-0.087 χ^2/NDF : 1587.0/9
 0.085+/-0.062 χ^2/NDF : 10932.9/18
 -5.403+/-0.089 χ^2/NDF : 1953.8/8

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 9.033 $\pm$ 0.126 χ^2 /NDF:2100.0/9

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

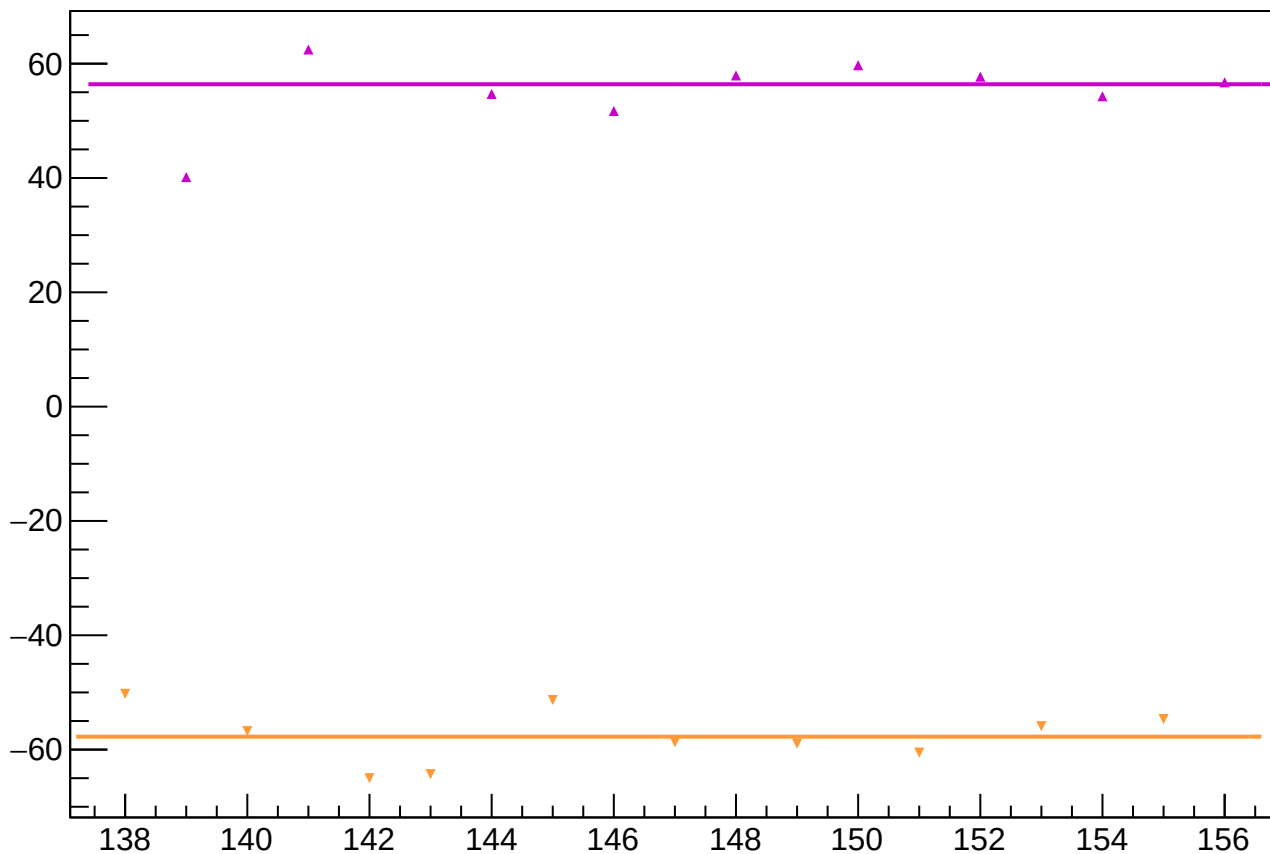
Left In: -11.232 $\pm$ 0.126 χ^2 /NDF:631.6/8

9.033 $\pm$ 0.126 χ^2 /NDF: 2100.0/9

-1.112 $\pm$ 0.089 χ^2 /NDF: 15650.8/18

-11.232 $\pm$ 0.126 χ^2 /NDF: 631.6/8

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -57.735+/-0.106 χ^2/NDF : 1503.4/9

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

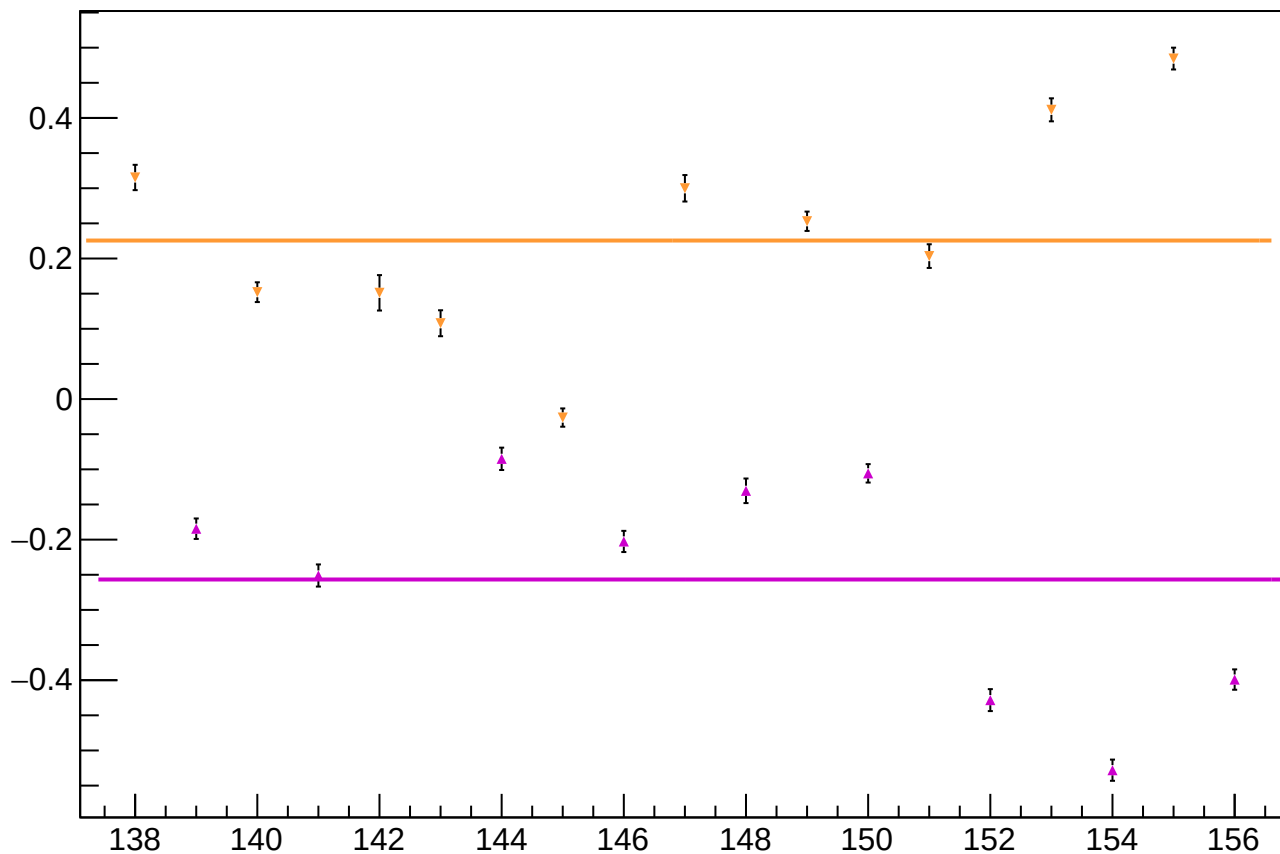
Left In: 56.397+/-0.108 χ^2/NDF : 1556.0/8

-57.735+/-0.106 χ^2/NDF : 1503.4/9

-1.636+/-0.075 χ^2/NDF : 575152.7/18

56.397+/-0.108 χ^2/NDF : 1556.0/8

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.226 $\pm$ 0.005 χ^2 /NDF:904.9/9

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

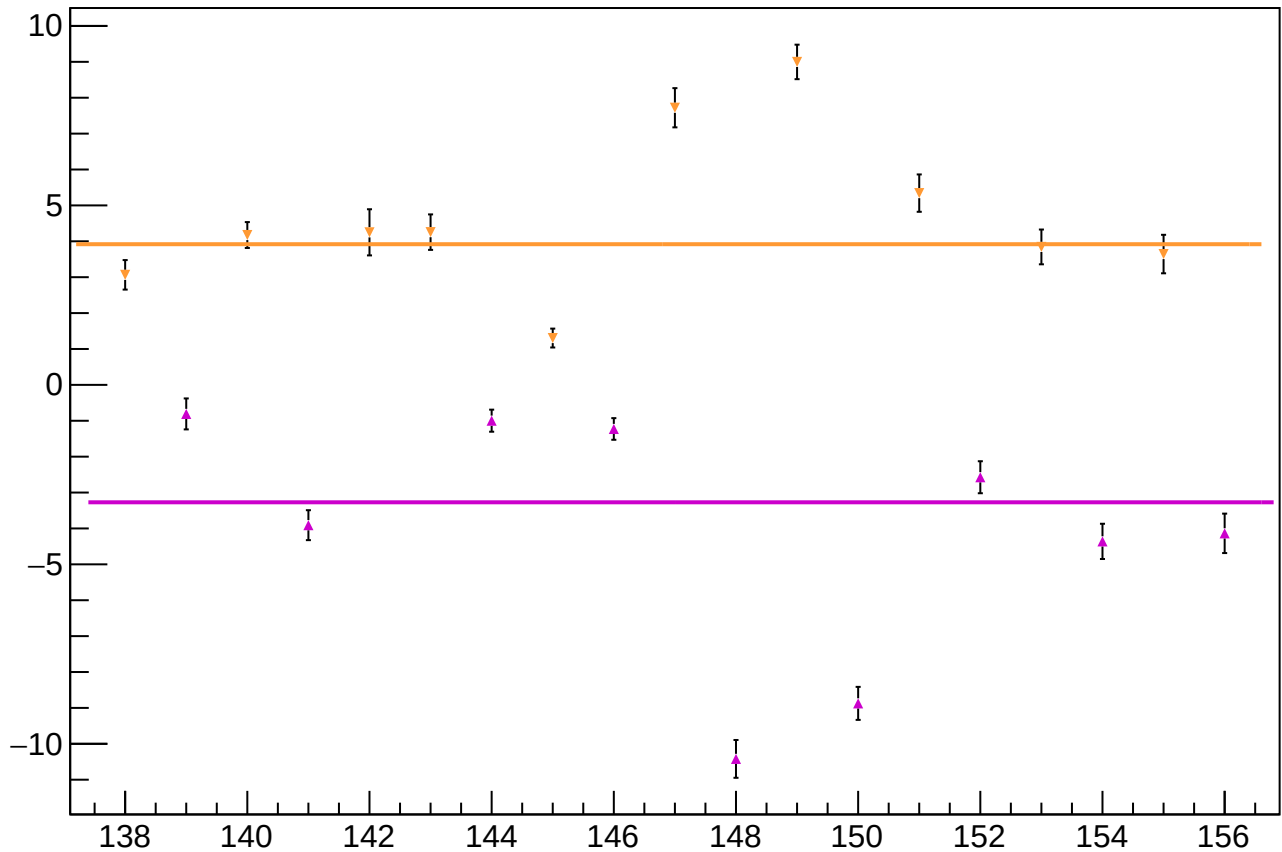
Left In: -0.257 $\pm$ 0.005 χ^2 /NDF:879.5/8

0.226 $\pm$ 0.005 χ^2 /NDF: 904.9/9

-0.020 $\pm$ 0.004 χ^2 /NDF: 6289.4/18

-0.257 $\pm$ 0.005 χ^2 /NDF: 879.5/8

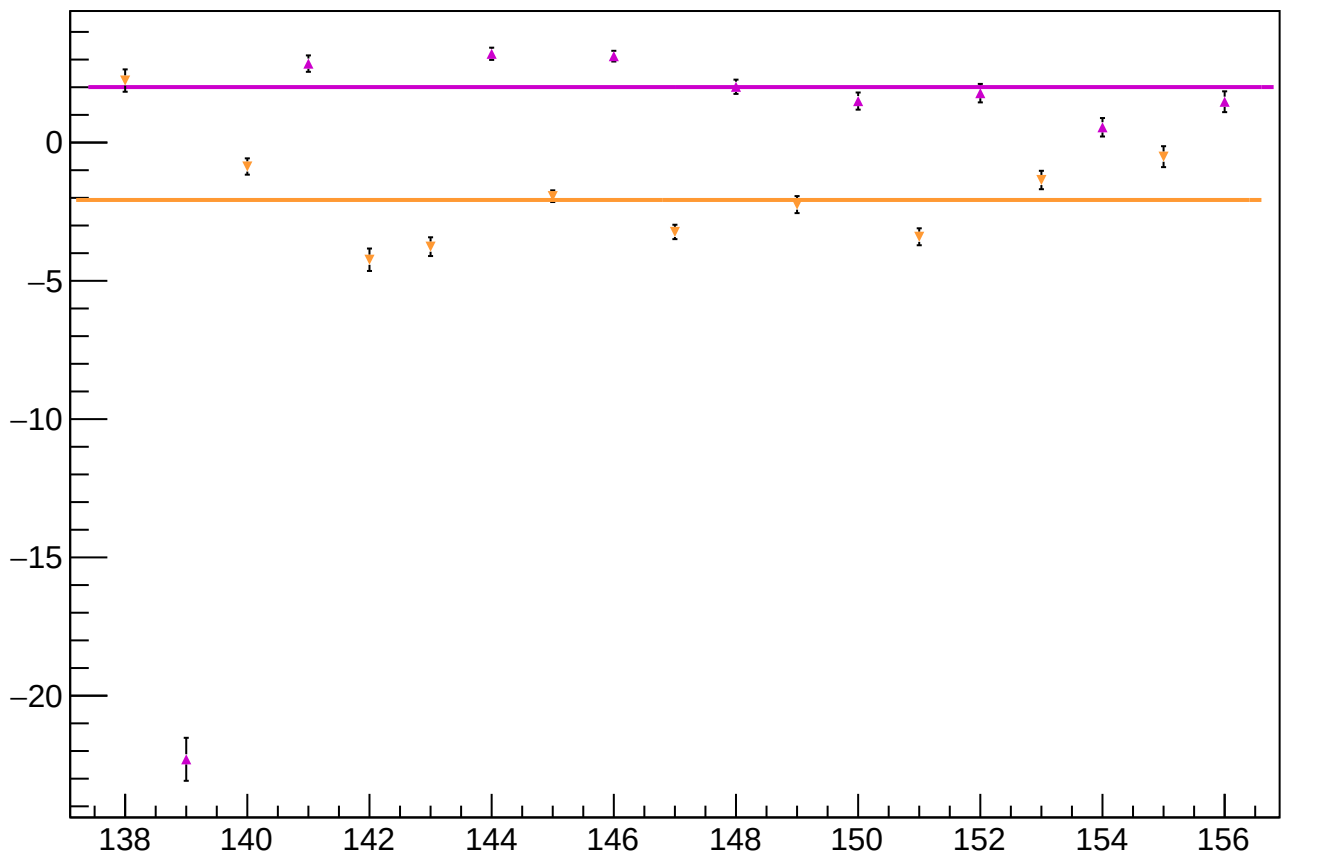
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.919 $\pm$ 0.136 χ^2 /NDF: 272.2/9
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -3.272 $\pm$ 0.137 χ^2 /NDF: 478.1/8

3.919 $\pm$ 0.136 χ^2 /NDF: 272.2/9
 0.329 $\pm$ 0.097 χ^2 /NDF: 2136.2/18
 -3.272 $\pm$ 0.137 χ^2 /NDF: 478.1/8

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-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

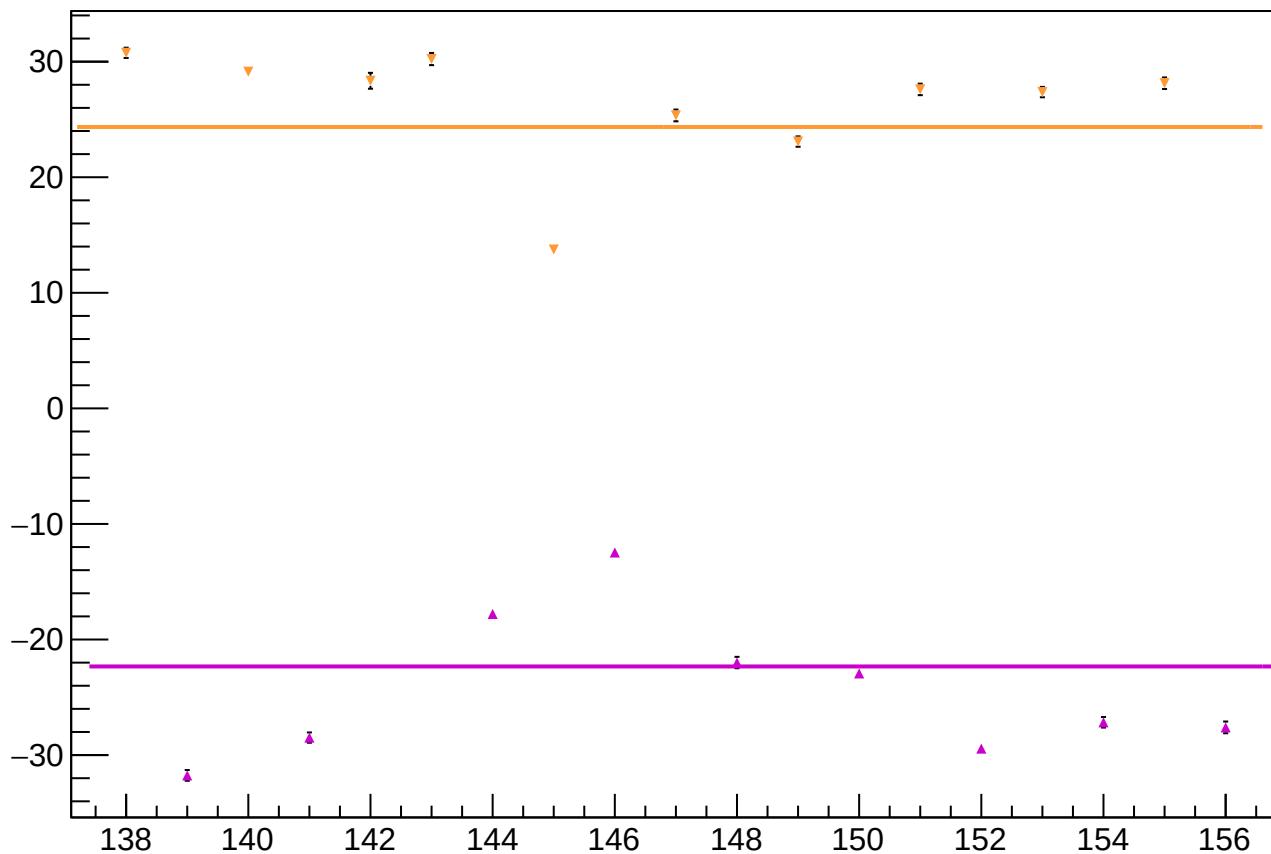
Left In: 2.006+/-0.095 χ^2/NDF : 1073.3/8

-2.076+/-0.097 χ^2/NDF : 245.2/9

0.001+/-0.068 χ^2/NDF : 2223.5/18

2.006+/-0.095 χ^2/NDF : 1073.3/8

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: 24.350+/-0.139 χ^2/NDF : 2108.1/9

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

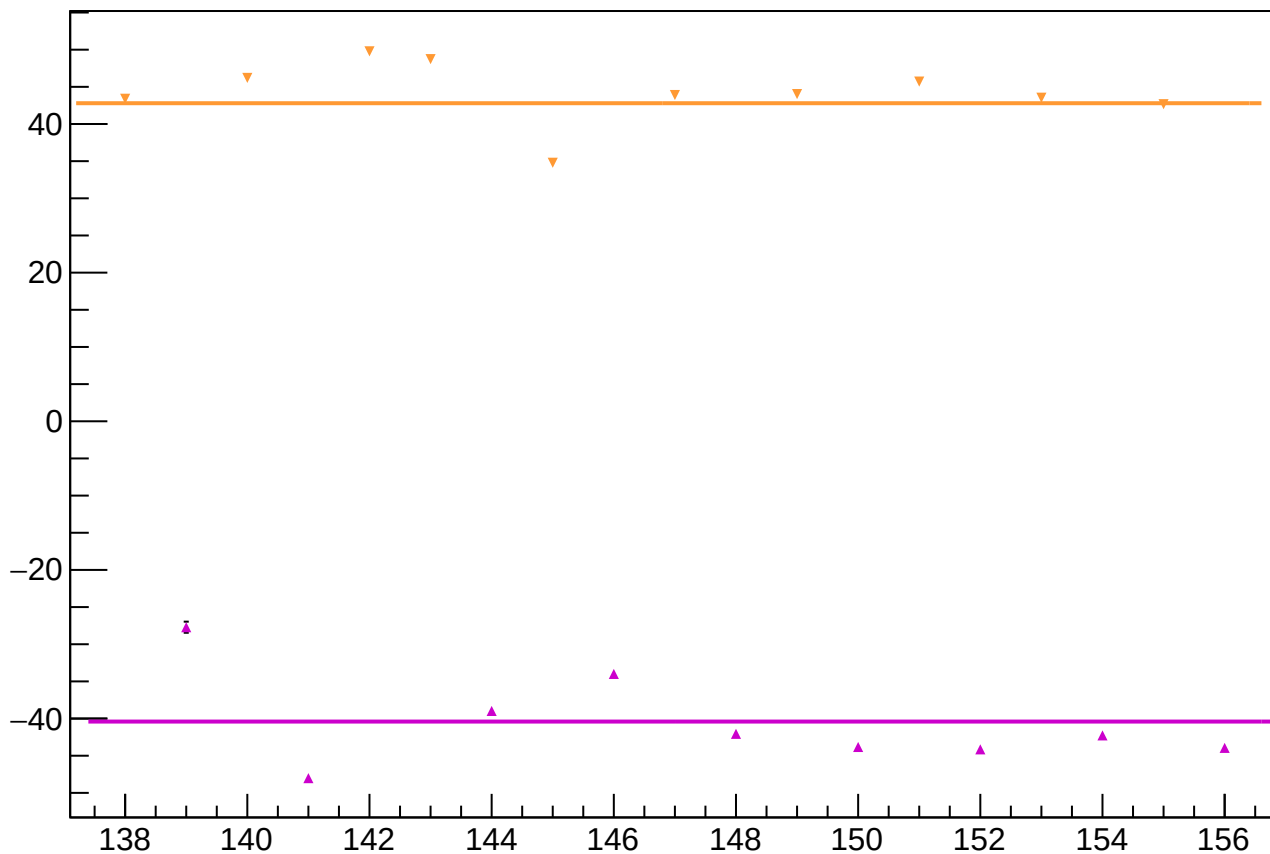
Left In: -22.331+/-0.136 χ^2/NDF : 2446.0/8

24.350+/-0.139 χ^2/NDF : 2108.1/9

0.478+/-0.097 χ^2/NDF : 62510.7/18

-22.331+/-0.136 χ^2/NDF : 2446.0/8

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-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

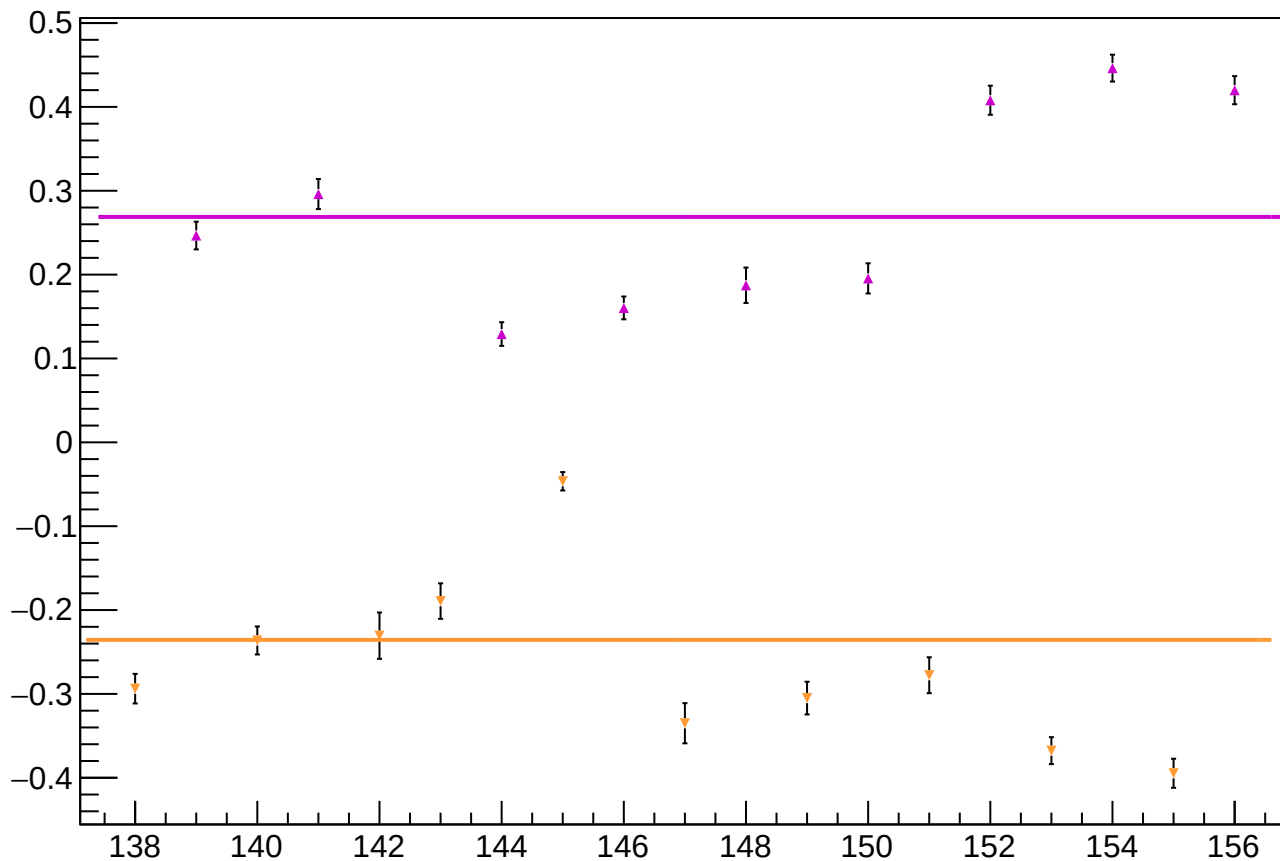
Left In: -40.404+/-0.115 χ^2/NDF :1774.0/8

42.797+/-0.117 χ^2/NDF : 1662.7/9

0.514+/-0.082 χ^2/NDF : 260766.8/18

-40.404+/-0.115 χ^2/NDF : 1774.0/8

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -0.236 $\pm$ 0.006 χ^2 /NDF: 497.5/9

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

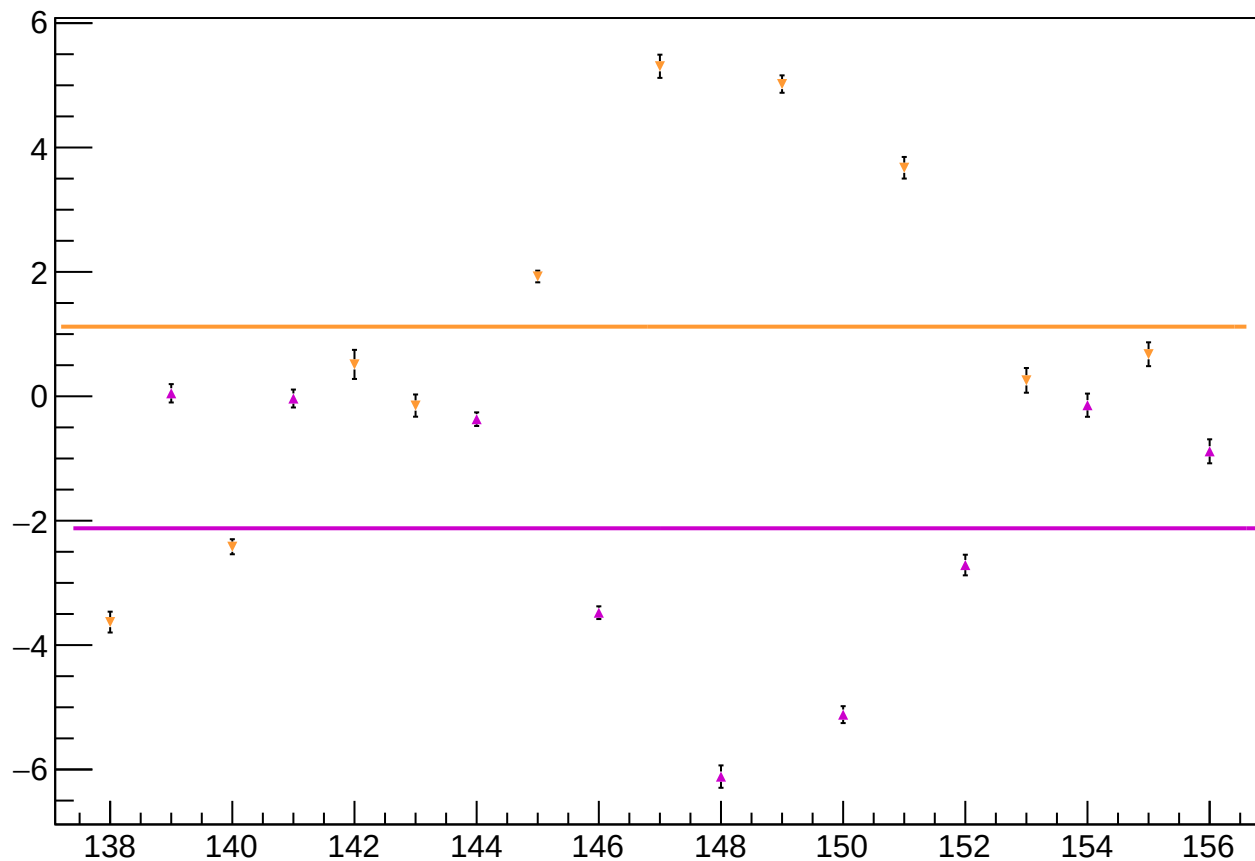
Left In: 0.269 $\pm$ 0.005 χ^2 /NDF: 465.8/8

-0.236 $\pm$ 0.006 χ^2 /NDF: 497.5/9

0.020 $\pm$ 0.004 χ^2 /NDF: 5139.5/18

0.269 $\pm$ 0.005 χ^2 /NDF: 465.8/8

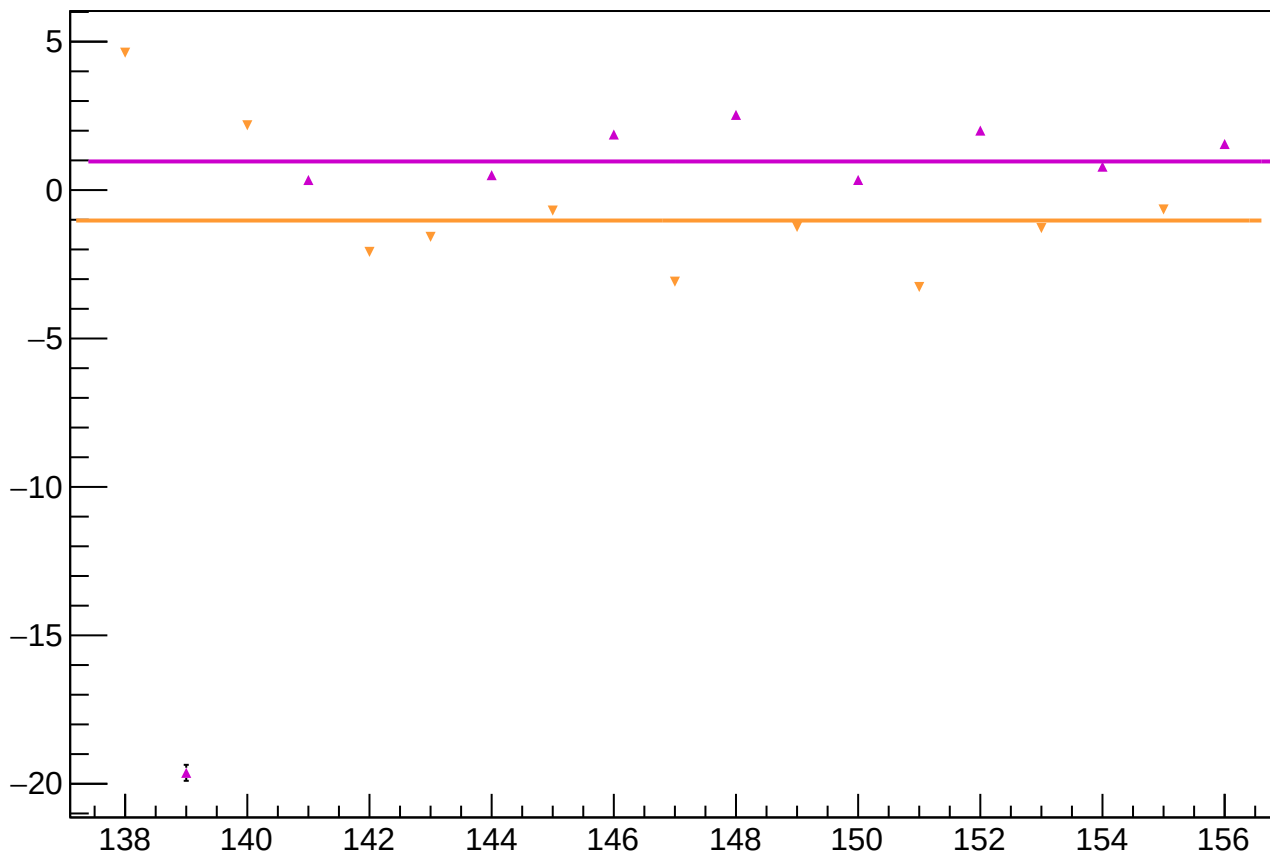
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 1.120+/-0.048 χ^2/NDF : 3308.3/9
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.122+/-0.047 χ^2/NDF : 2002.7/8

1.120+/-0.048 χ^2/NDF : 3308.3/9
 -0.534+/-0.034 χ^2/NDF : 7627.8/18
 -2.122+/-0.047 χ^2/NDF : 2002.7/8

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: -1.026+/-0.034 χ^2/NDF : 3255.1/9

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

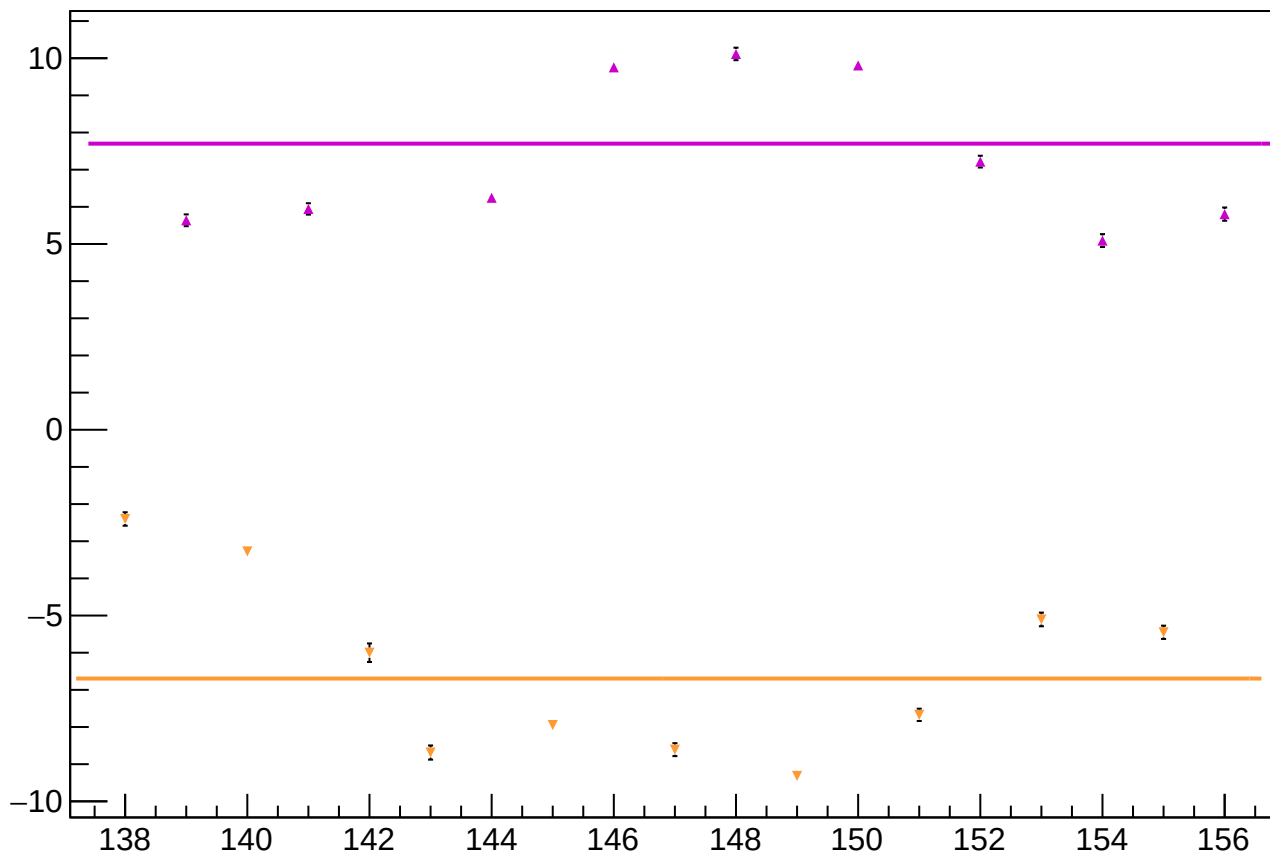
Left In: 0.964+/-0.033 χ^2/NDF : 6565.3/8

-1.026+/-0.034 χ^2/NDF : 3255.1/9

-0.000+/-0.024 χ^2/NDF : 11589.4/18

0.964+/-0.033 χ^2/NDF : 6565.3/8

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -6.695+/-0.049 χ^2/NDF : 2215.7/9

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

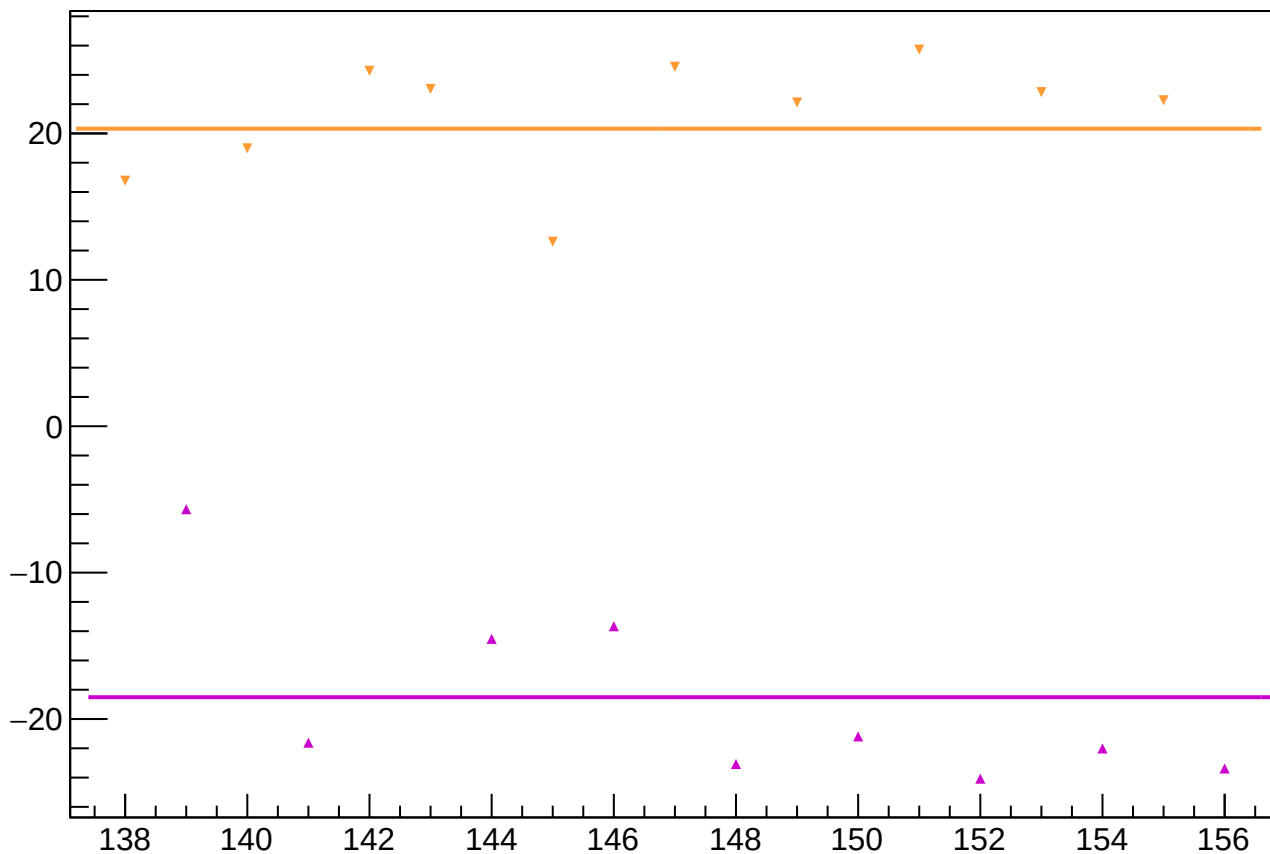
Left In: 7.700+/-0.047 χ^2/NDF : 1715.1/8

-6.695+/-0.049 χ^2/NDF : 2215.7/9

0.795+/-0.034 χ^2/NDF : 49537.3/18

7.700+/-0.047 χ^2/NDF : 1715.1/8

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 20.324+/-0.041 χ^2/NDF :12508.8/9

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

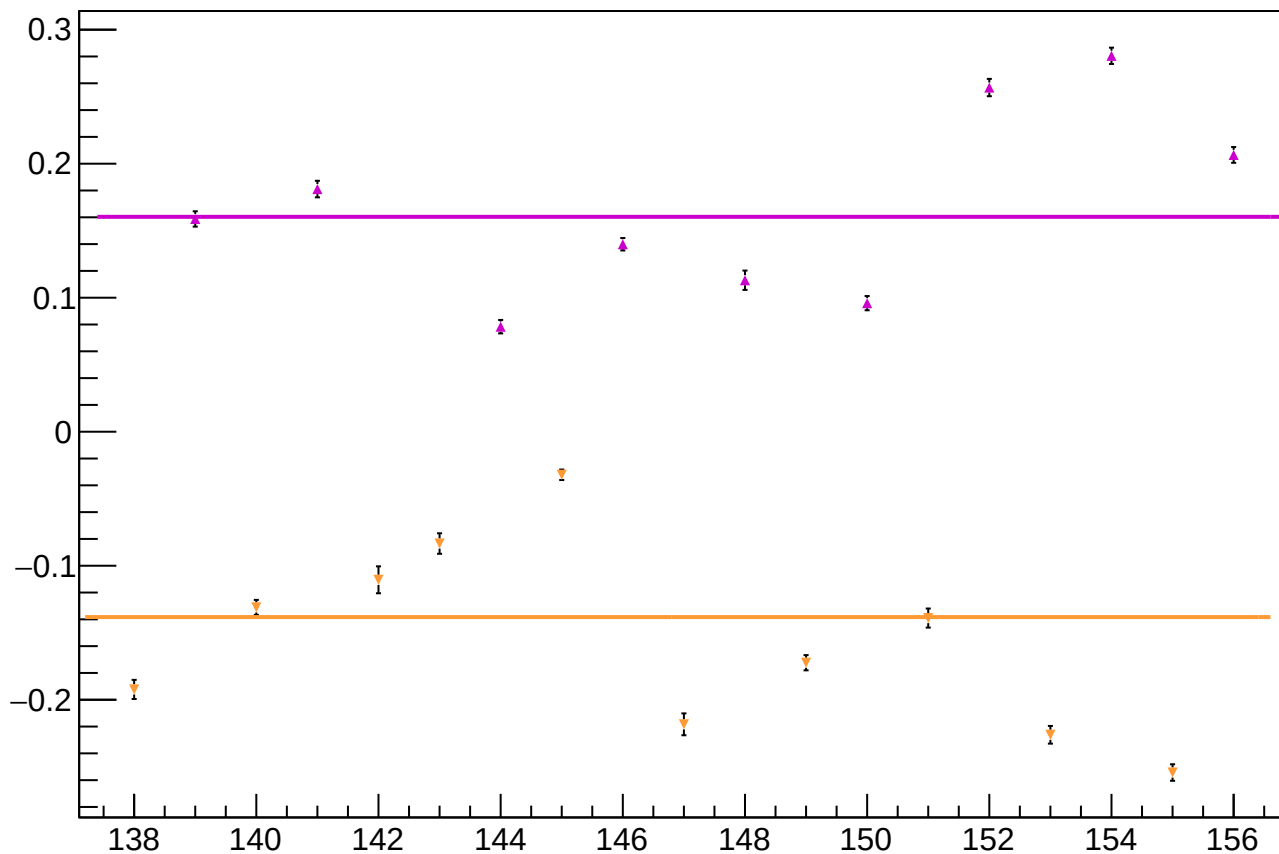
Left In: -18.510+/-0.040 χ^2/NDF :13407.3/8

20.324+/-0.041 χ^2/NDF : 12508.8/9

0.268+/-0.029 χ^2/NDF : 487324.5/18

-18.510+/-0.040 χ^2/NDF : 13407.3/8

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-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

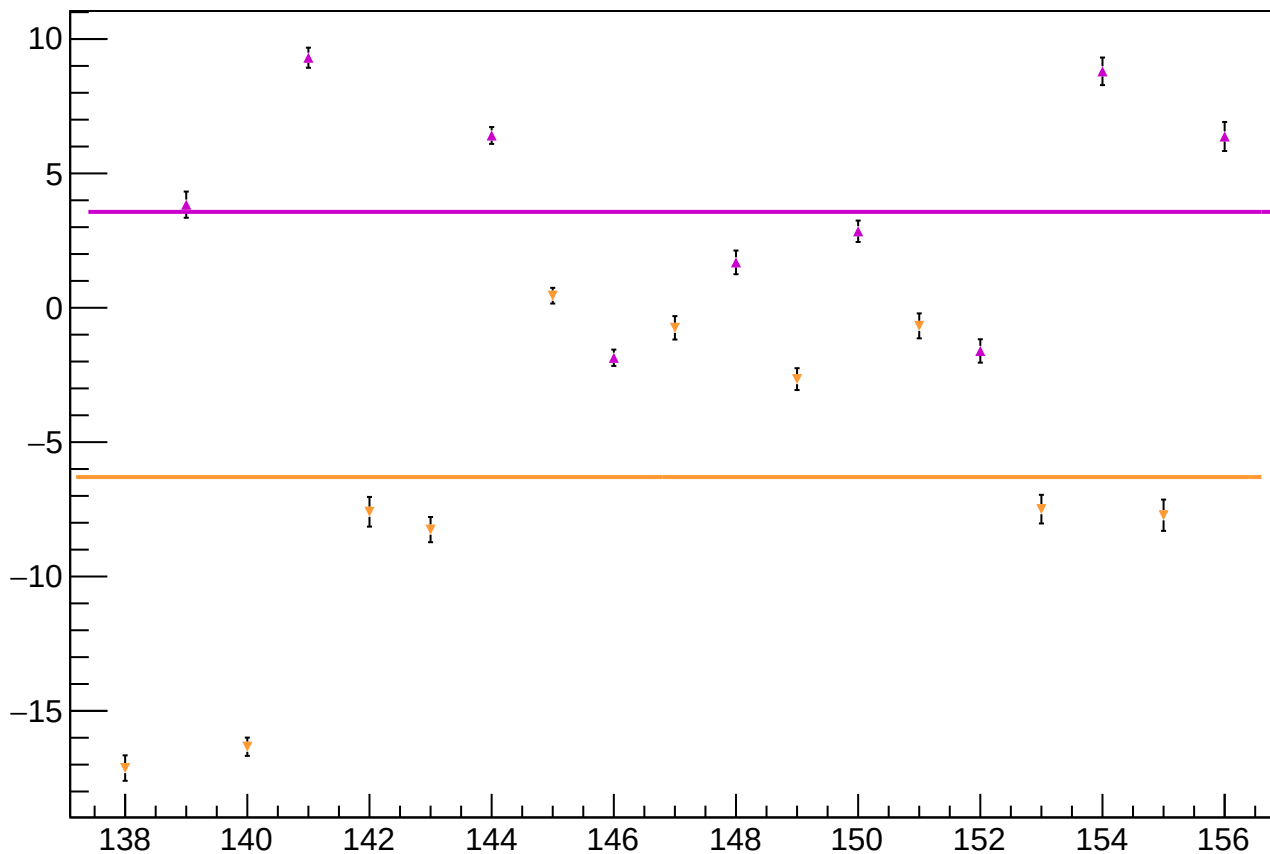
Left In: 0.160+/-0.002 χ^2/NDF :1161.1/8

-0.138+/-0.002 χ^2/NDF : 1519.4/9

0.016+/-0.001 χ^2/NDF : 14623.6/18

0.160+/-0.002 χ^2/NDF : 1161.1/8

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -6.299+/-0.135 χ^2/NDF : 2352.1/9

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

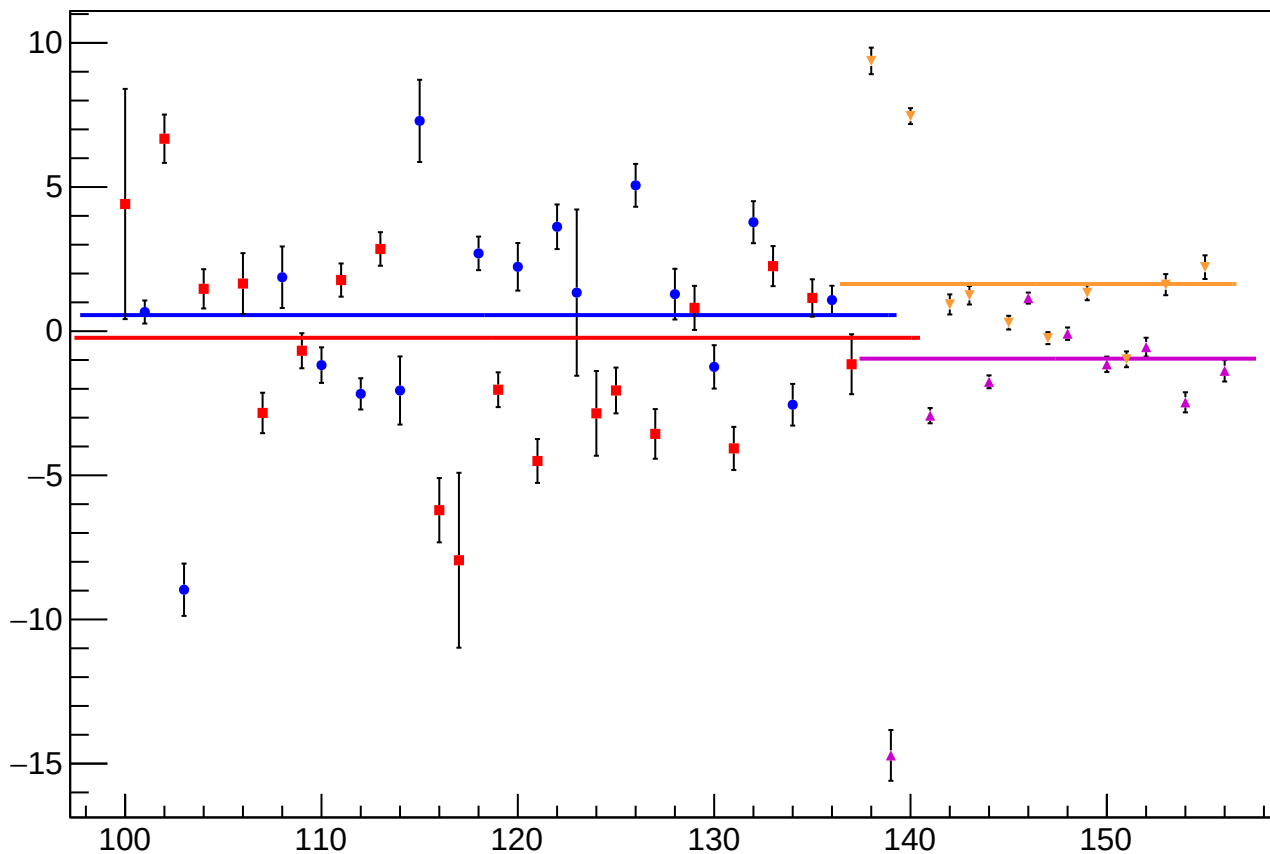
Left In: 3.568+/-0.133 χ^2/NDF : 932.0/8

-6.299+/-0.135 χ^2/NDF : 2352.1/9

-1.309+/-0.095 χ^2/NDF : 5996.7/18

3.568+/-0.133 χ^2/NDF : 932.0/8

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.558 ± 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

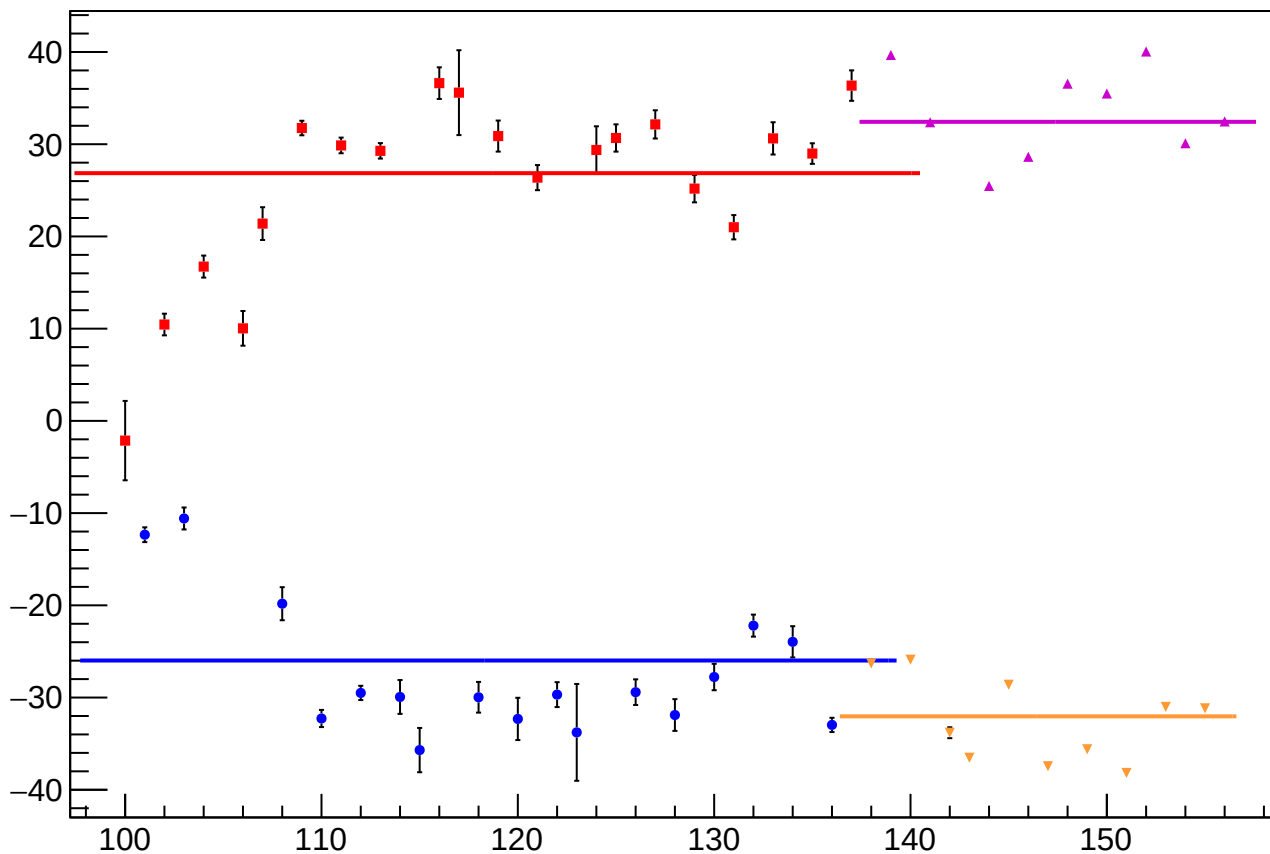
Left In: -0.953 ± 0.090 χ^2/NDF : 471.7/8

1.393 ± 0.081 χ^2/NDF : 1260.8/26

0.284 ± 0.057 χ^2/NDF : 2395.8/55

-0.800 ± 0.080 χ^2/NDF : 763.9/28

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -25.984 ± 0.300 χ^2/NDF : 691.5/16

Left Out: -32.037 ± 0.136 χ^2/NDF : 1087.7/9

Right Out: 26.861 ± 0.297 χ^2/NDF : 585.2/19

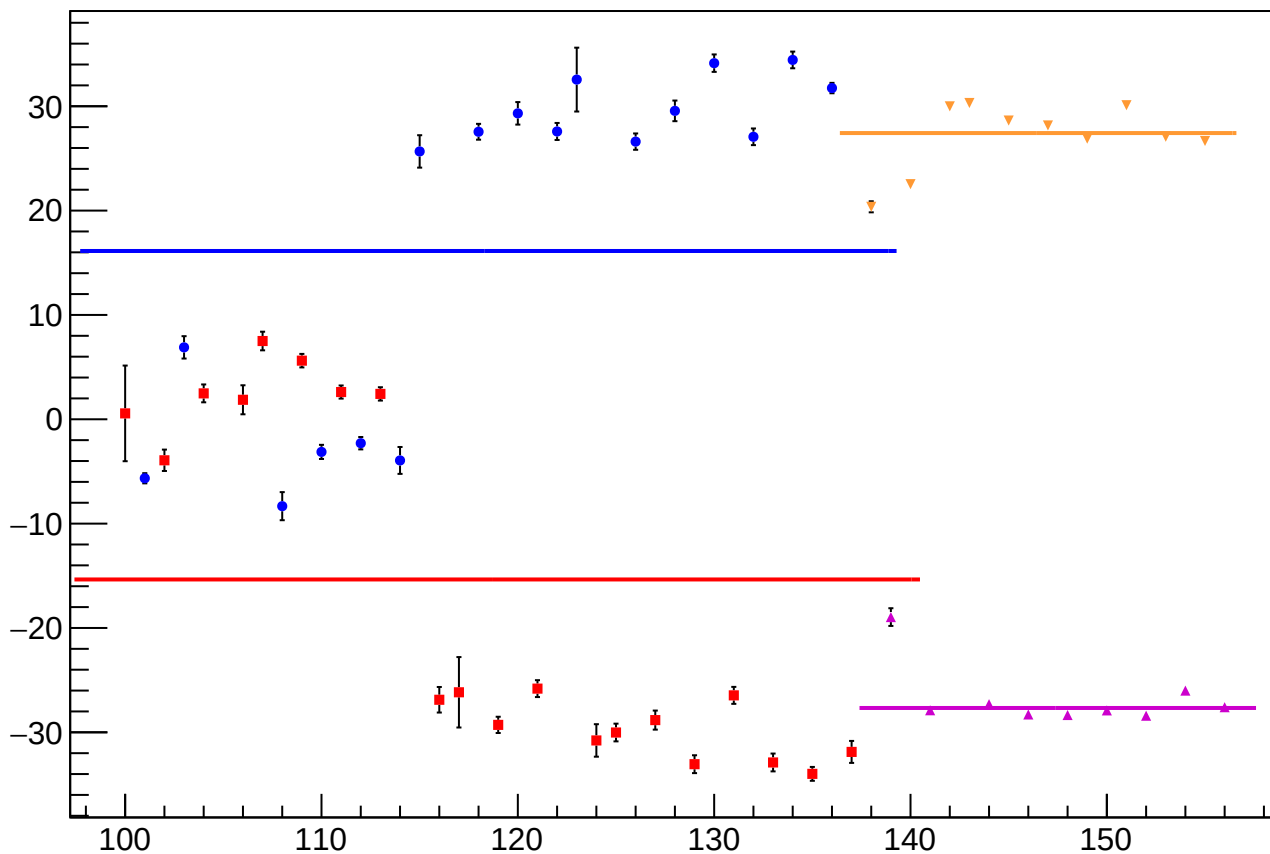
Left In: 32.428 ± 0.132 χ^2/NDF : 1313.4/8

-31.011 ± 0.124 χ^2/NDF : 2116.4/26

1.132 ± 0.086 χ^2/NDF : 135607.5/55

31.515 ± 0.120 χ^2/NDF : 2192.2/28

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 16.129+/-0.192 χ^2 /NDF: 7572.5/16

Left Out: 27.431+/-0.113 χ^2 /NDF: 574.0/9

Right Out: -15.352+/-0.197 χ^2 /NDF: 7288.4/19

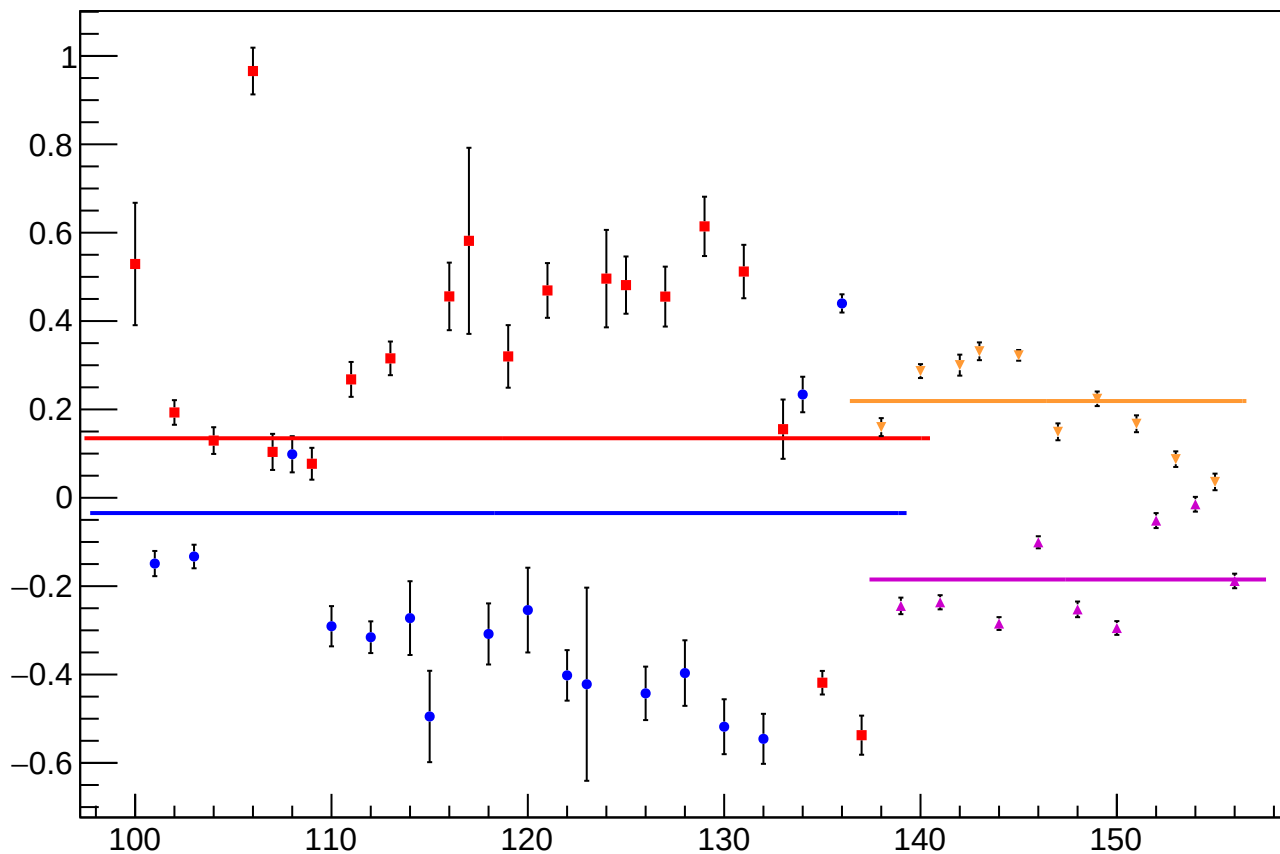
Left In: -27.668+/-0.110 χ^2 /NDF: 140.8/8

24.537+/-0.097 χ^2 /NDF: 10722.7/26

-0.410+/-0.068 χ^2 /NDF: 151281.1/55

-24.736+/-0.096 χ^2 /NDF: 10416.8/28

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.035 ± 0.010 χ^2/NDF : 1011.6/16

Left Out: 0.219 ± 0.006 χ^2/NDF : 313.8/9

Right Out: 0.135 ± 0.010 χ^2/NDF : 1166.4/19

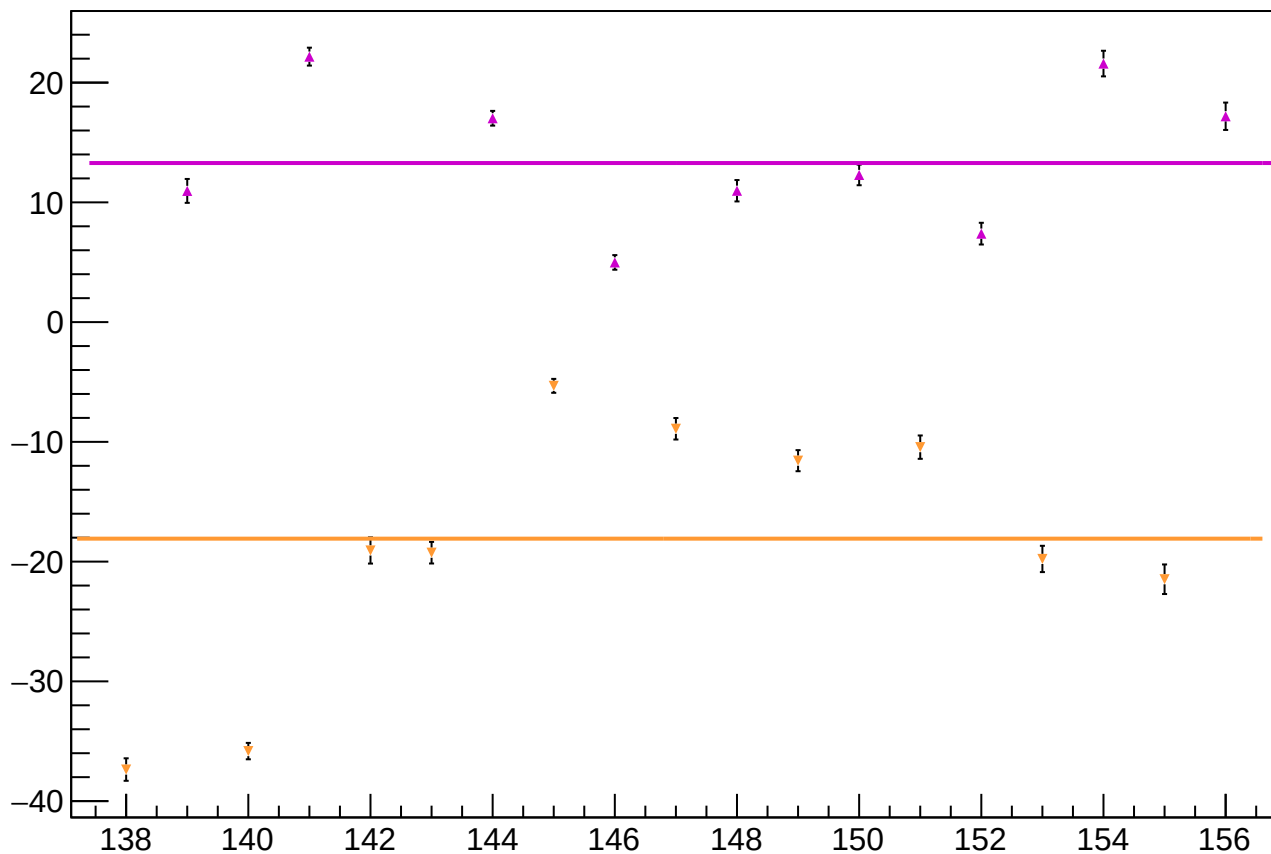
Left In: -0.185 ± 0.005 χ^2/NDF : 335.4/8

0.162 ± 0.005 χ^2/NDF : 1793.5/26

0.019 ± 0.003 χ^2/NDF : 5736.4/55

-0.118 ± 0.005 χ^2/NDF : 2252.8/28

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-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

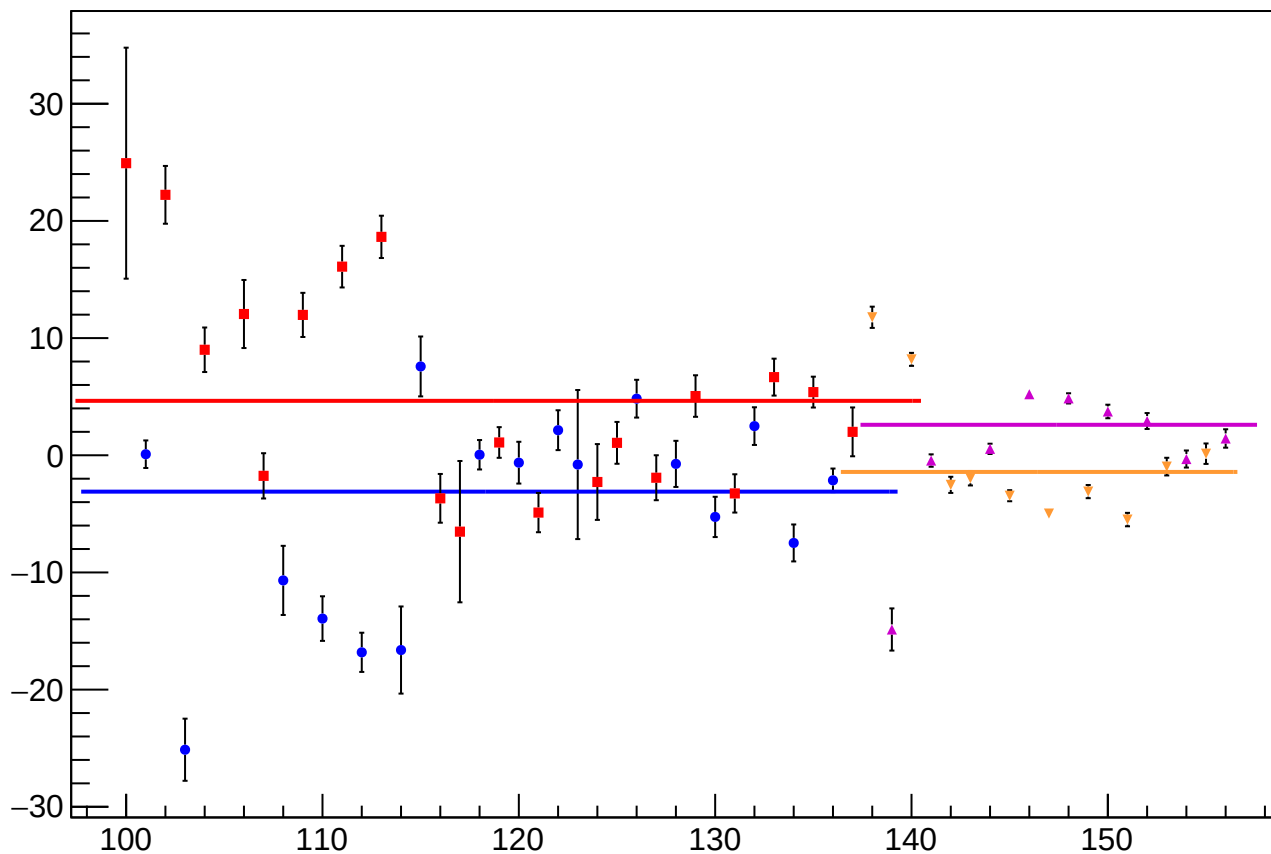
Left In: 13.284+/-0.271 χ^2/NDF : 490.4/8

-18.083+/-0.274 χ^2/NDF : 1807.0/9

-2.272+/-0.193 χ^2/NDF : 8921.3/18

13.284+/-0.271 χ^2/NDF : 490.4/8

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.104 $\pm$ 0.411 χ^2/NDF : 279.1/16

Left Out: -1.422 $\pm$ 0.187 χ^2/NDF : 665.3/9

Right Out: 4.645 $\pm$ 0.425 χ^2/NDF : 301.1/19

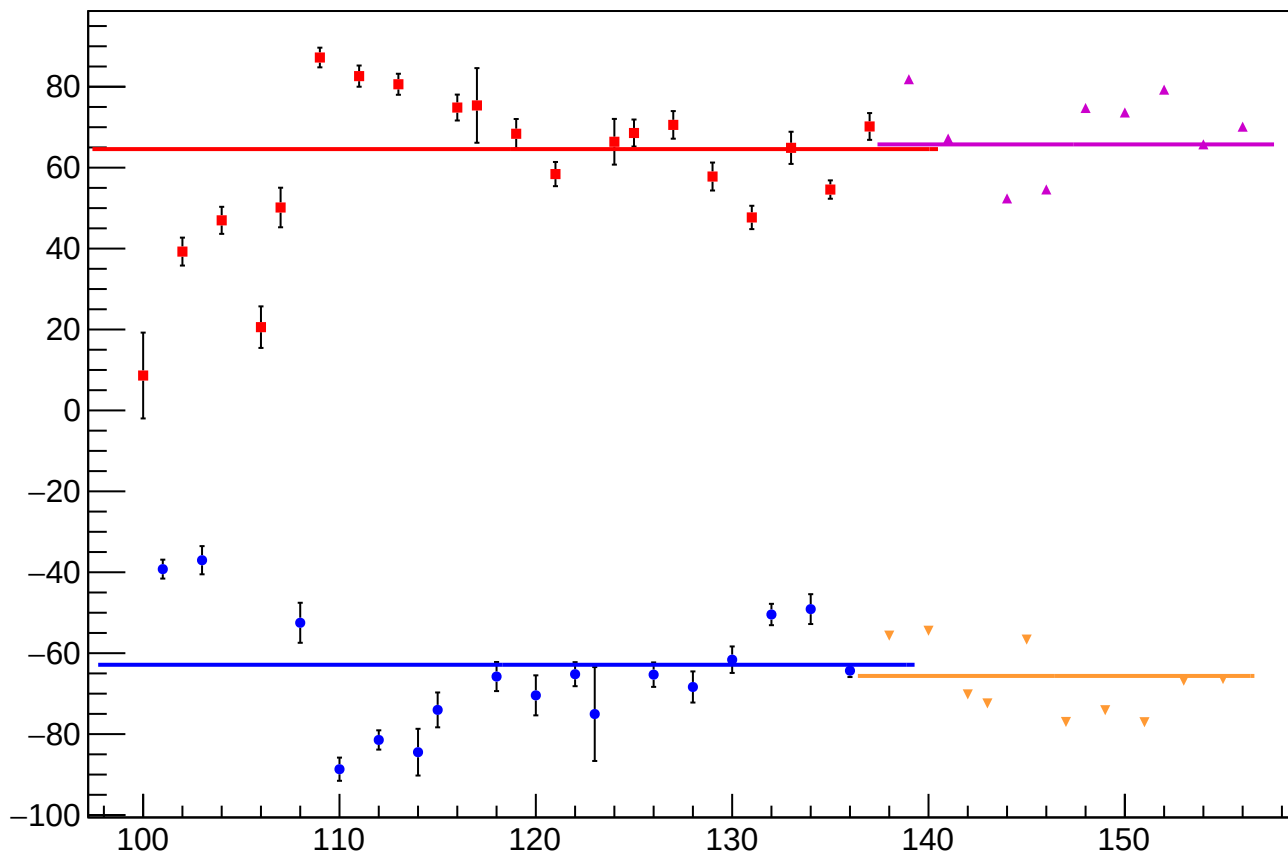
Left In: 2.600 $\pm$ 0.183 χ^2/NDF : 246.2/8

-1.711 $\pm$ 0.171 χ^2/NDF : 958.3/26

0.642 $\pm$ 0.120 χ^2/NDF : 1899.7/55

2.918 $\pm$ 0.168 χ^2/NDF : 566.8/28

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.863 ± 0.741 χ^2/NDF : 368.7/16

Left Out: -65.623 ± 0.277 χ^2/NDF : 1049.6/9

Right Out: 64.588 ± 0.749 χ^2/NDF : 445.6/19

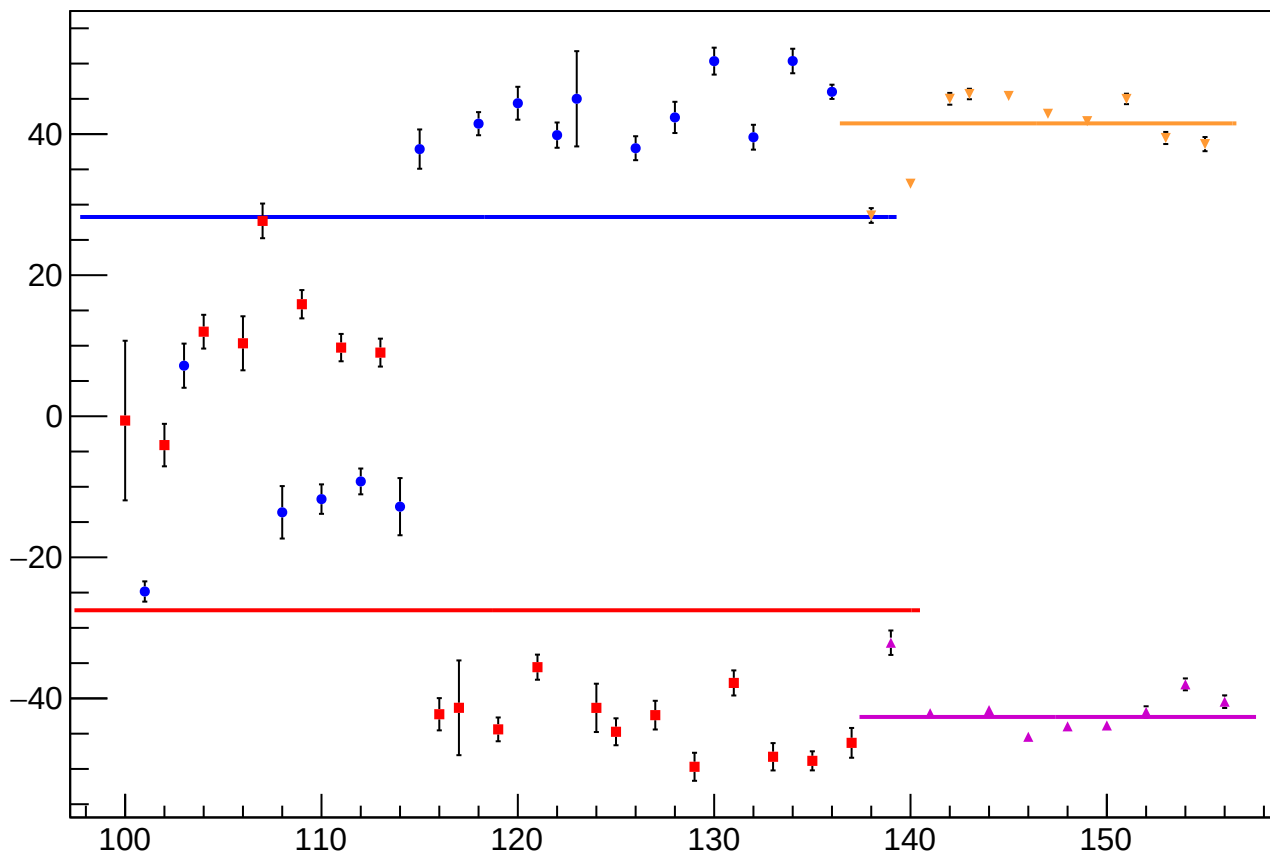
Left In: 65.747 ± 0.269 χ^2/NDF : 1468.6/8

-65.284 ± 0.259 χ^2/NDF : 1430.5/26

1.805 ± 0.181 χ^2/NDF : 133916.1/55

65.615 ± 0.253 χ^2/NDF : 1916.3/28

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.250 ± 0.460 $\chi^2/\text{NDF}: 3319.5/16$

Left Out: 41.521 ± 0.230 $\chi^2/\text{NDF}: 459.1/9$

Right Out: -27.505 ± 0.478 $\chi^2/\text{NDF}: 3036.7/19$

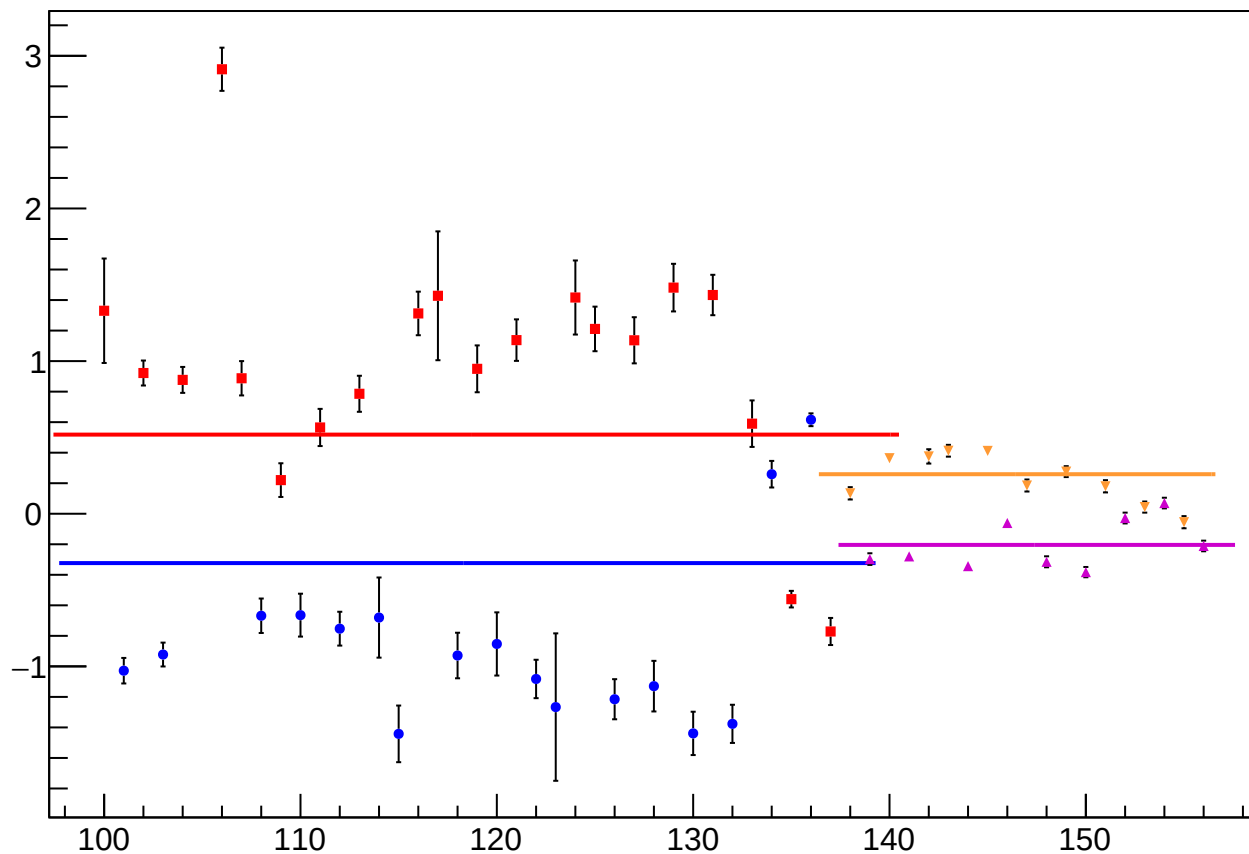
Left In: -42.629 ± 0.224 $\chi^2/\text{NDF}: 120.6/8$

38.876 ± 0.205 $\chi^2/\text{NDF}: 4444.8/26$

-1.091 ± 0.144 $\chi^2/\text{NDF}: 83056.3/55$

-39.912 ± 0.202 $\chi^2/\text{NDF}: 3980.0/28$

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.323 ± 0.025 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

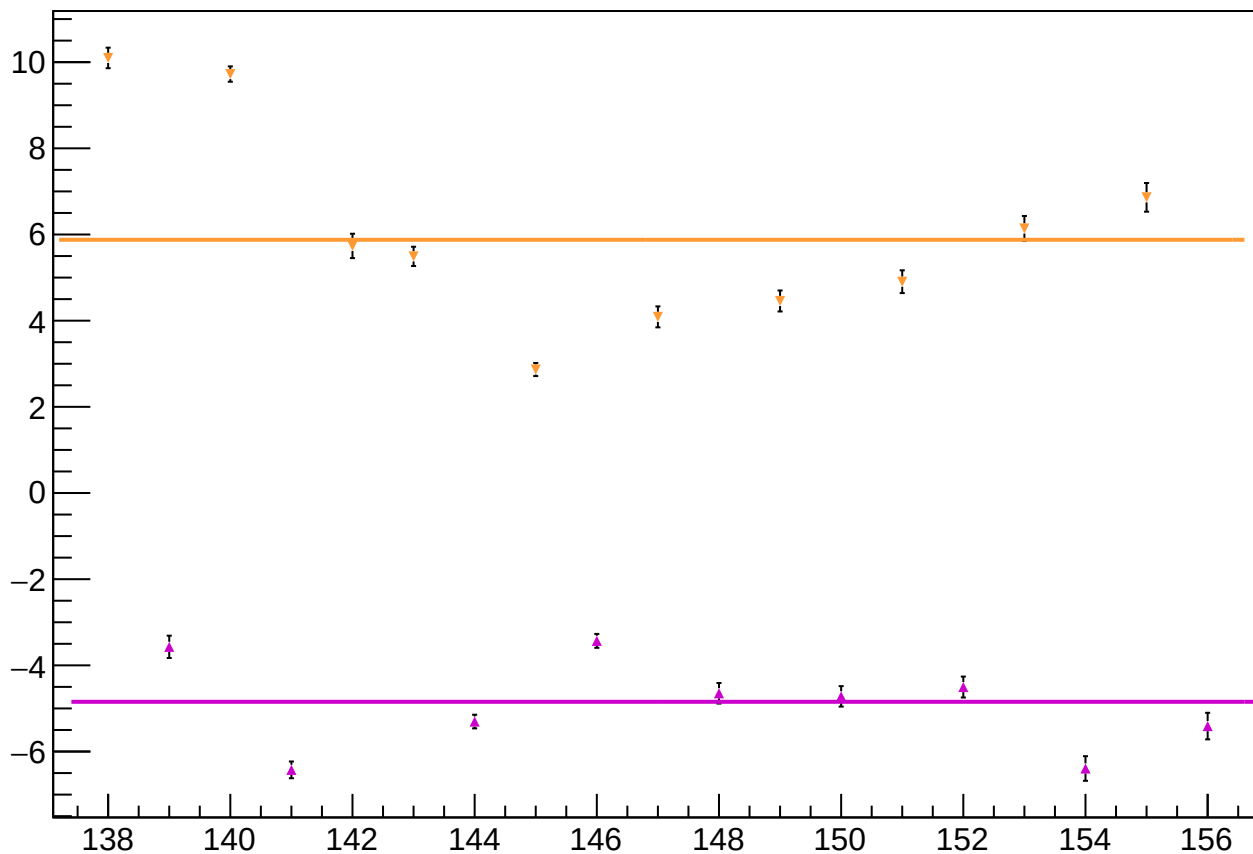
Left In: -0.204 ± 0.011 χ^2/NDF : 186.6/8

0.160 ± 0.010 χ^2/NDF : 1649.8/26

0.031 ± 0.007 χ^2/NDF : 3979.1/55

-0.093 ± 0.010 χ^2/NDF : 2020.5/28

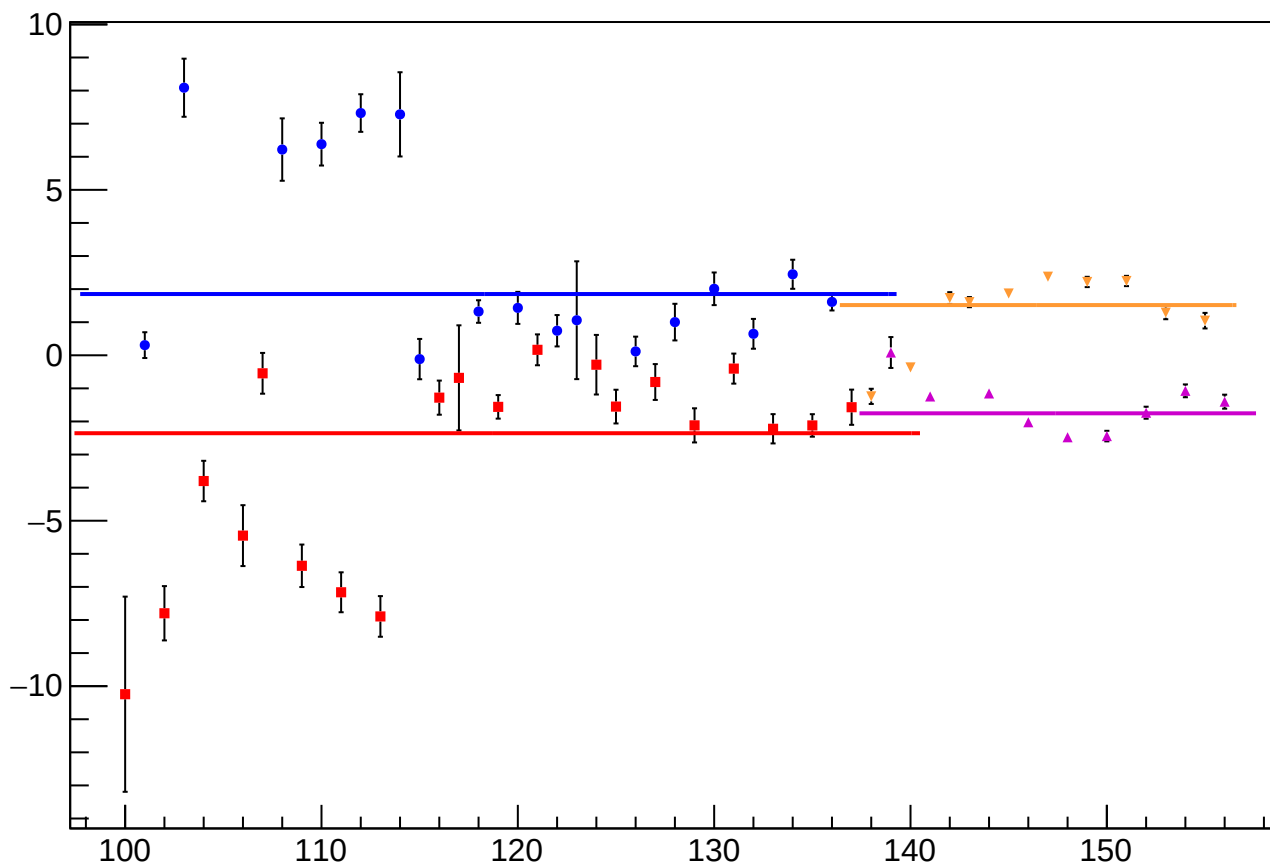
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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: -4.846+/-0.072 χ^2/NDF :211.3/8

5.878+/-0.072 χ^2/NDF : 1286.5/9
 0.505+/-0.051 χ^2/NDF : 12662.2/18
 -4.846+/-0.072 χ^2/NDF : 211.3/8

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.851+/-0.117 χ^2/NDF : 294.2/16

Left Out: 1.518+/-0.049 χ^2/NDF : 427.7/9

Right Out: -2.355+/-0.122 χ^2/NDF : 337.4/19

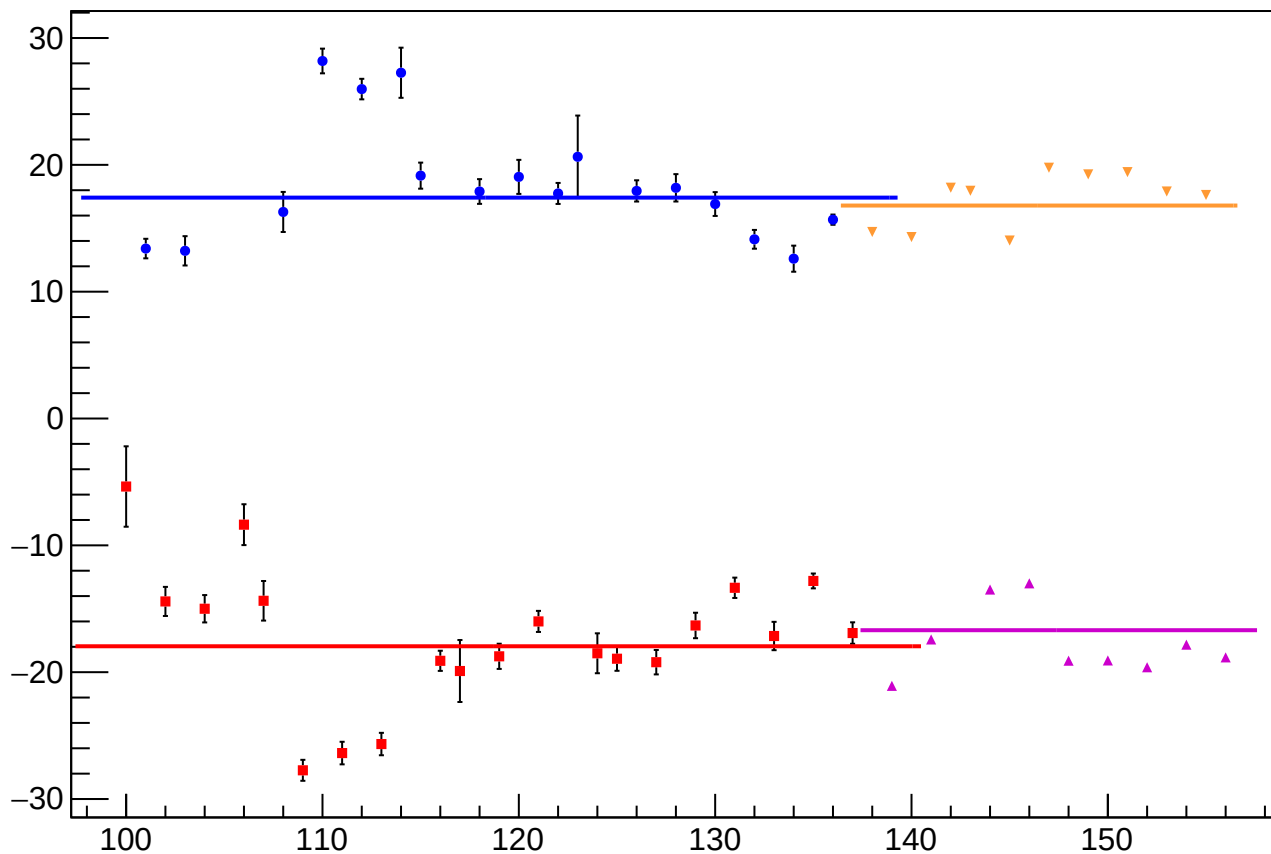
Left In: -1.754+/-0.048 χ^2/NDF : 137.4/8

1.568+/-0.046 χ^2/NDF : 728.7/26

-0.164+/-0.032 χ^2/NDF : 4062.1/55

-1.834+/-0.045 χ^2/NDF : 495.7/28

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.417 ± 0.213 $\chi^2/\text{NDF}: 367.0/16$

Left Out: 16.791 ± 0.073 $\chi^2/\text{NDF}: 994.5/9$

Right Out: -17.957 ± 0.218 $\chi^2/\text{NDF}: 506.2/19$

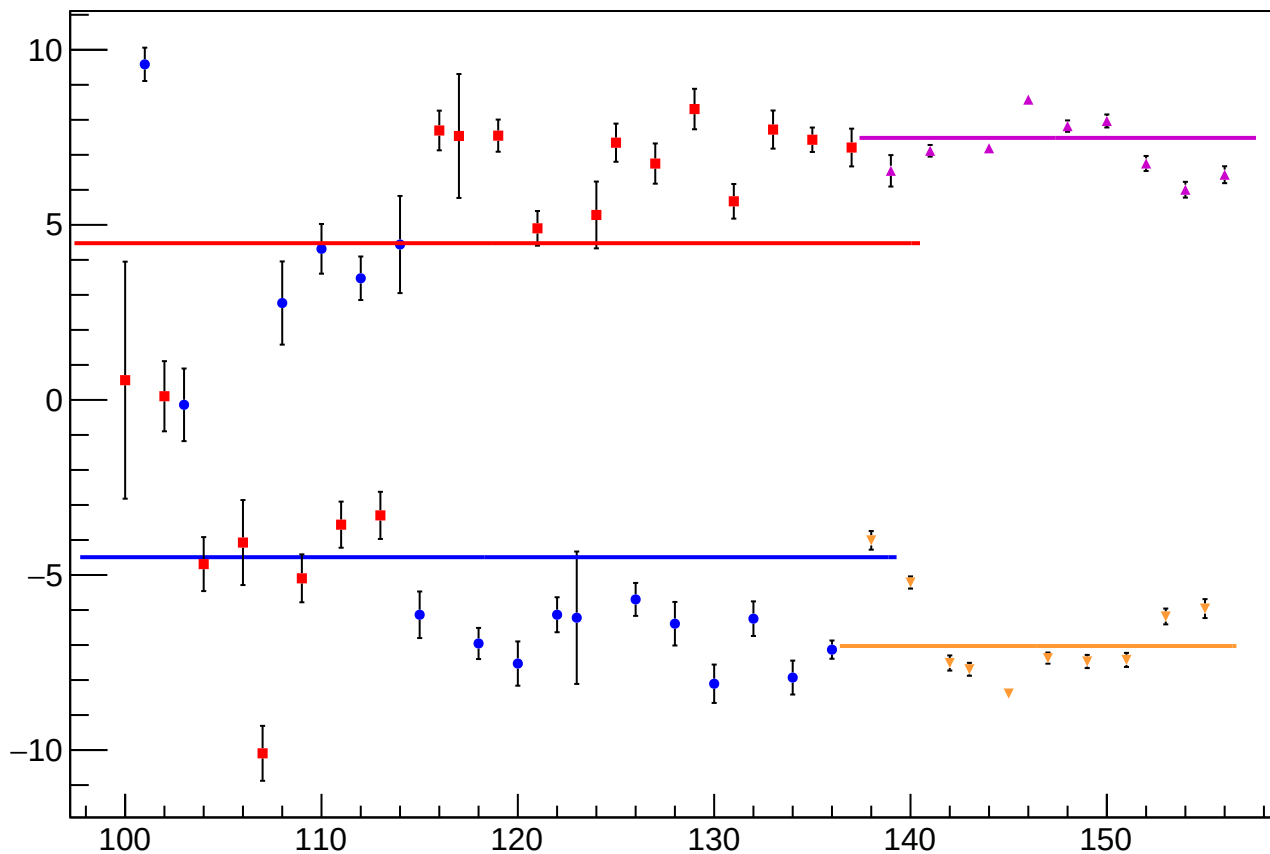
Left In: -16.690 ± 0.071 $\chi^2/\text{NDF}: 1646.7/8$

16.857 ± 0.069 $\chi^2/\text{NDF}: 1369.3/26$

-0.318 ± 0.048 $\chi^2/\text{NDF}: 125016.7/55$

-16.812 ± 0.068 $\chi^2/\text{NDF}: 2183.3/28$

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.491±0.130 χ^2/NDF : 1585.4/16

Left Out: -7.028±0.061 χ^2/NDF : 390.3/9

Right Out: 4.476±0.137 χ^2/NDF : 1342.0/19

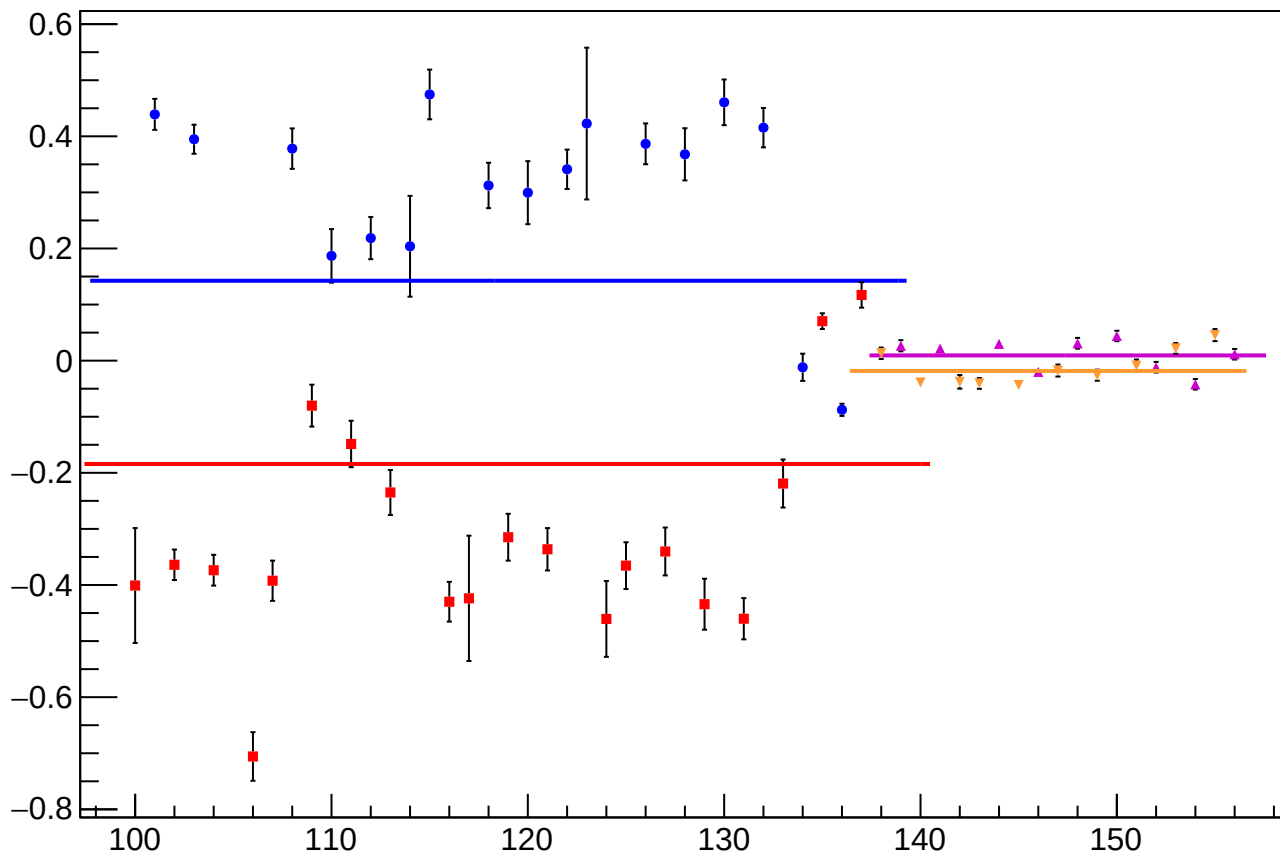
Left In: 7.484±0.059 χ^2/NDF : 176.5/8

-6.578±0.055 χ^2/NDF : 2286.8/26

0.305±0.039 χ^2/NDF : 35261.8/55

7.011±0.054 χ^2/NDF : 1927.0/28

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.142 ± 0.007 χ^2/NDF : 1058.8/16

Left Out: -0.018 ± 0.003 χ^2/NDF : 93.2/9

Right Out: -0.184 ± 0.007 χ^2/NDF : 1005.5/19

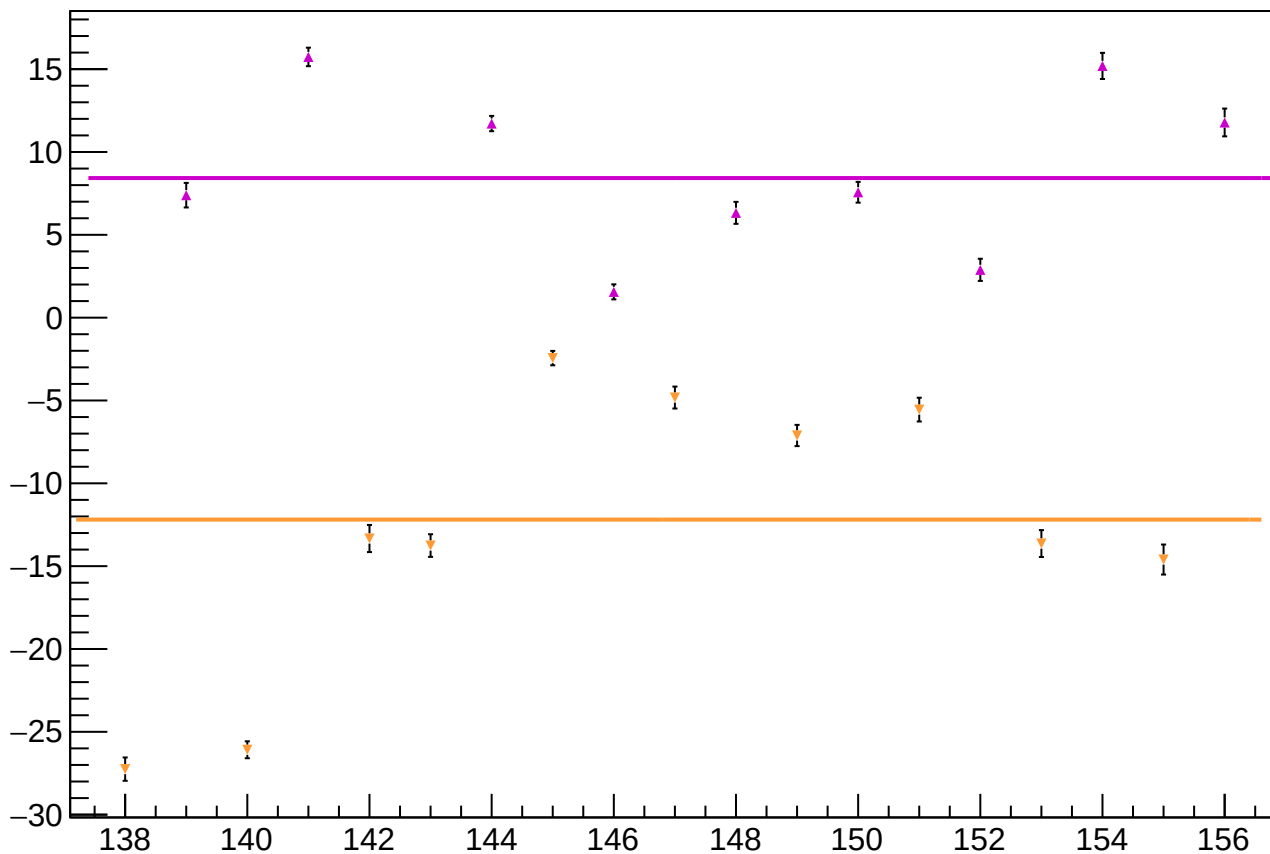
Left In: 0.009 ± 0.003 χ^2/NDF : 84.1/8

0.006 ± 0.003 χ^2/NDF : 1592.0/26

-0.006 ± 0.002 χ^2/NDF : 3309.1/55

-0.017 ± 0.003 χ^2/NDF : 1683.5/28

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -12.191+/-0.203 χ^2/NDF :1991.3/9

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

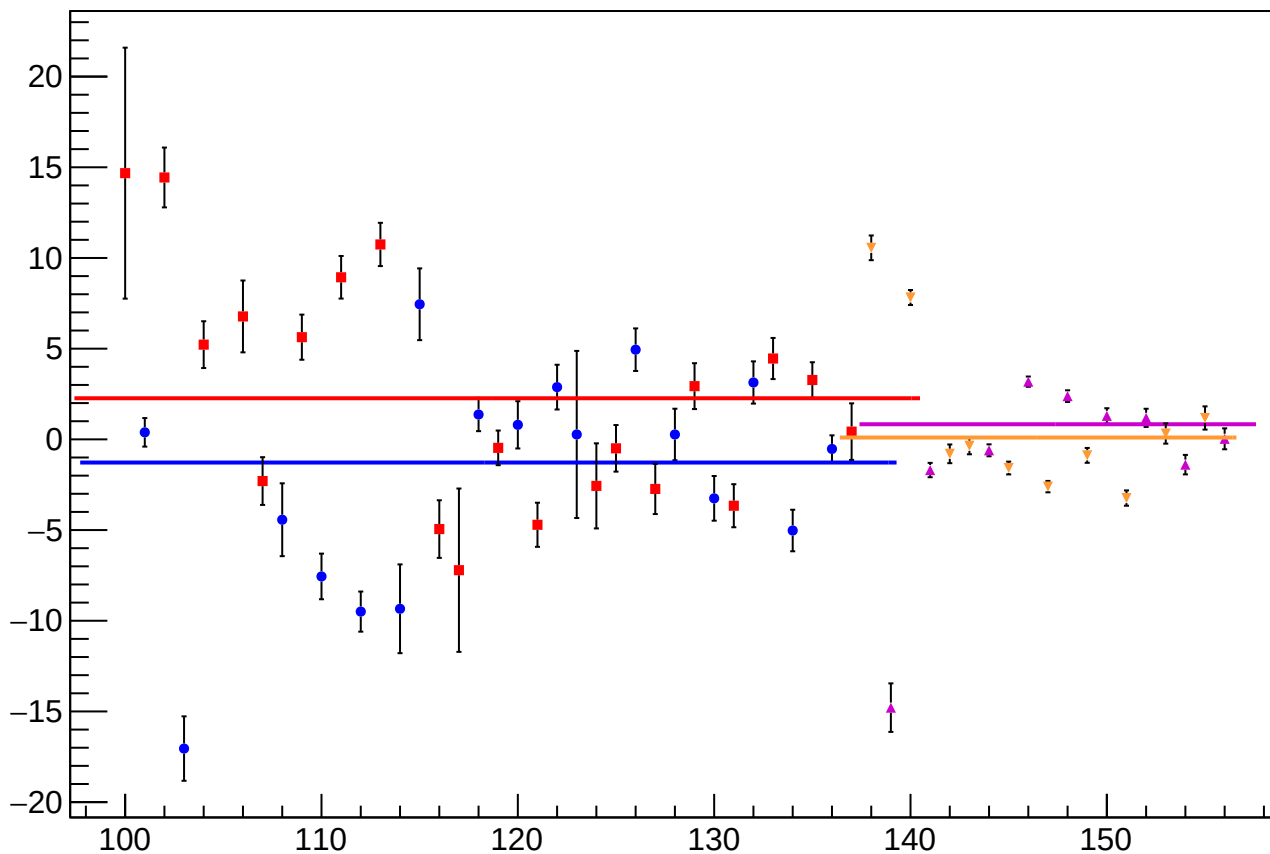
Left In: 8.426+/-0.201 χ^2/NDF :622.7/8

-12.191+/-0.203 χ^2/NDF : 1991.3/9

-1.784+/-0.143 χ^2/NDF : 7802.3/18

8.426+/-0.201 χ^2/NDF : 622.7/8

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.278 ± 0.292 $\chi^2/\text{NDF}: 276.5/16$

Left Out: 0.102 ± 0.139 $\chi^2/\text{NDF}: 755.1/9$

Right Out: 2.266 ± 0.302 $\chi^2/\text{NDF}: 289.8/19$

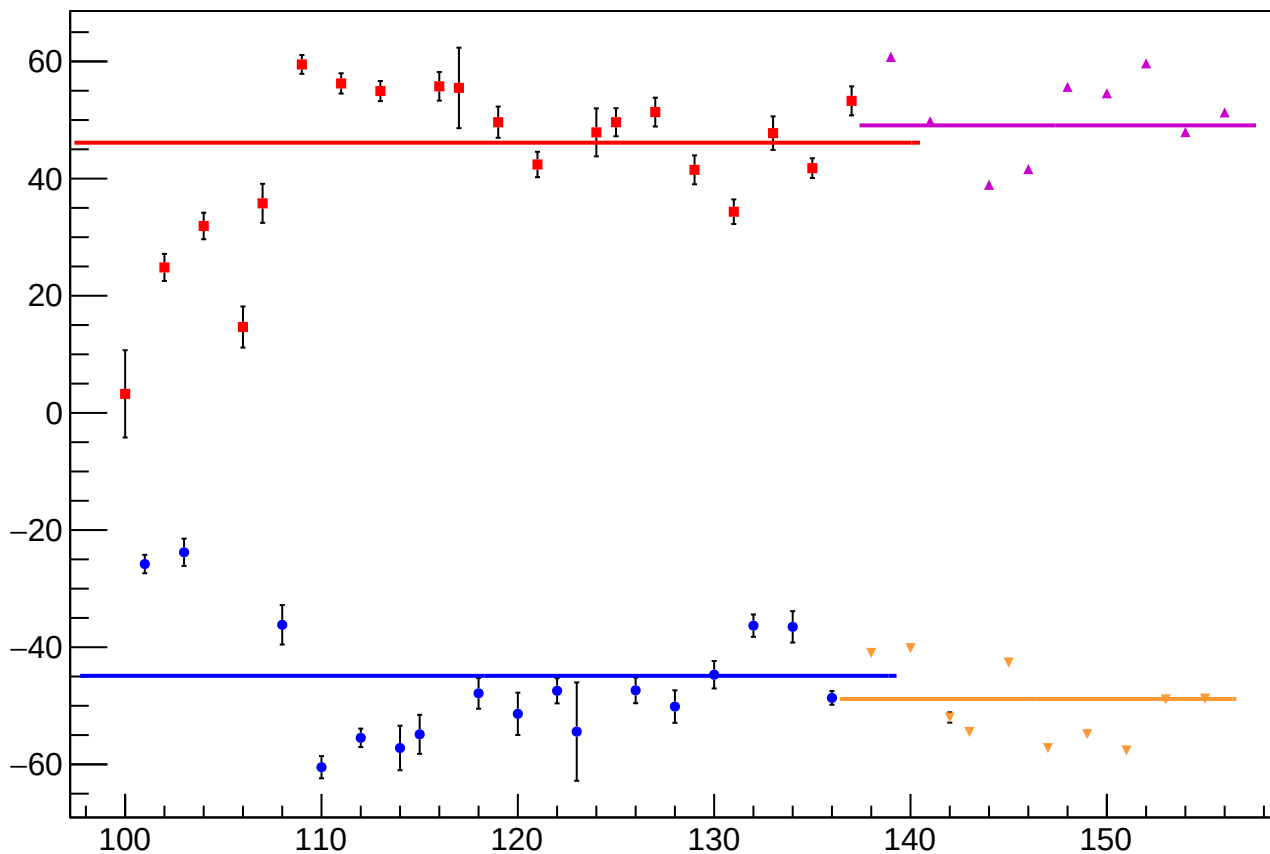
Left In: 0.833 ± 0.136 $\chi^2/\text{NDF}: 308.8/8$

-0.153 ± 0.126 $\chi^2/\text{NDF}: 1049.8/26$

0.470 ± 0.088 $\chi^2/\text{NDF}: 1715.6/55$

1.074 ± 0.124 $\chi^2/\text{NDF}: 617.3/28$

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -44.883 $\pm$ 0.524 χ^2 /NDF: 421.0/16

Left Out: -48.836 $\pm$ 0.205 χ^2 /NDF:1064.1/9

Right Out: 46.130 $\pm$ 0.527 χ^2 /NDF: 456.1/19

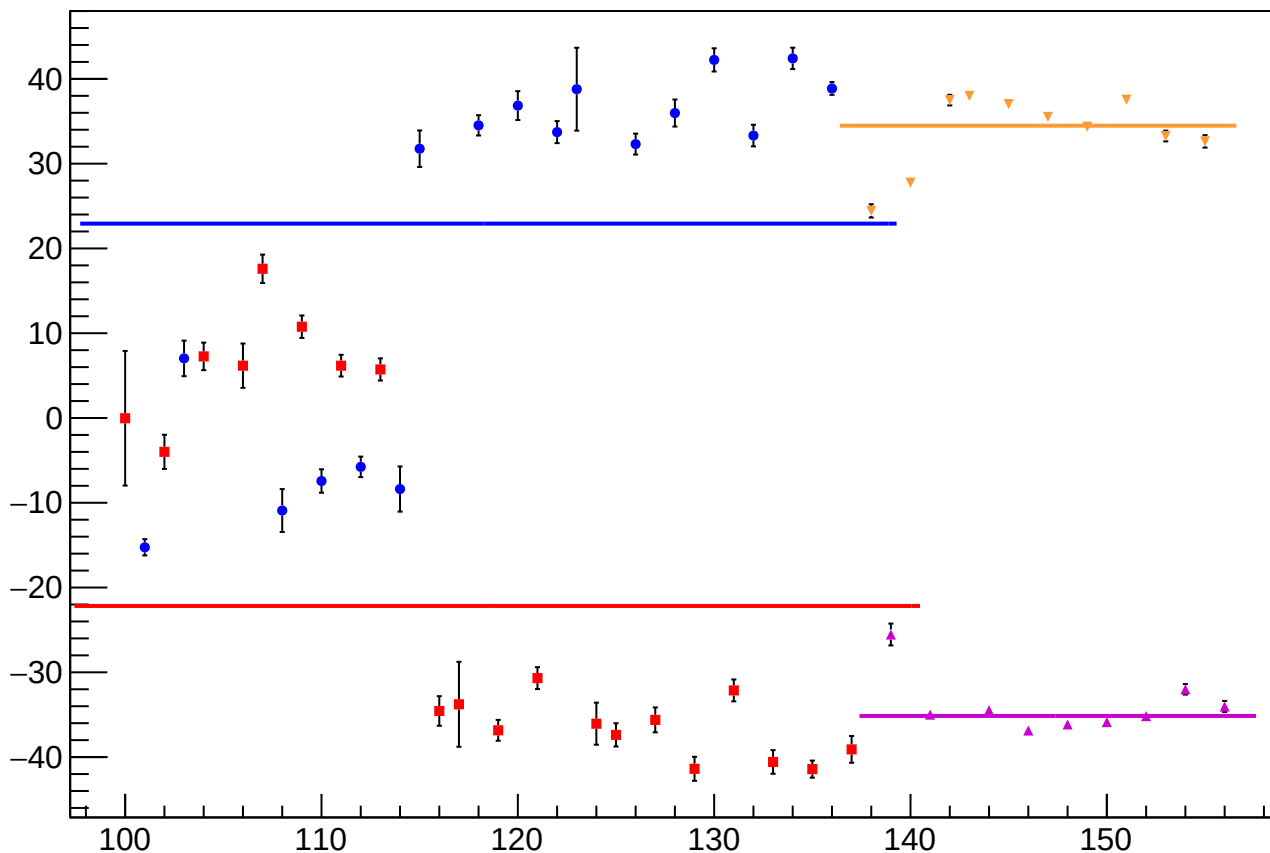
Left In: 49.084 $\pm$ 0.199 χ^2 /NDF:1410.5/8

-48.310 $\pm$ 0.191 χ^2 /NDF: 1534.3/26

1.470 $\pm$ 0.134 χ^2 /NDF: 135368.6/55

48.715 $\pm$ 0.186 χ^2 /NDF: 1894.1/28

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.926+/-0.328 χ^2/NDF : 4330.2/16

Left Out: 34.481+/-0.170 χ^2/NDF : 492.3/9

Right Out: -22.170+/-0.339 χ^2/NDF : 4038.8/19

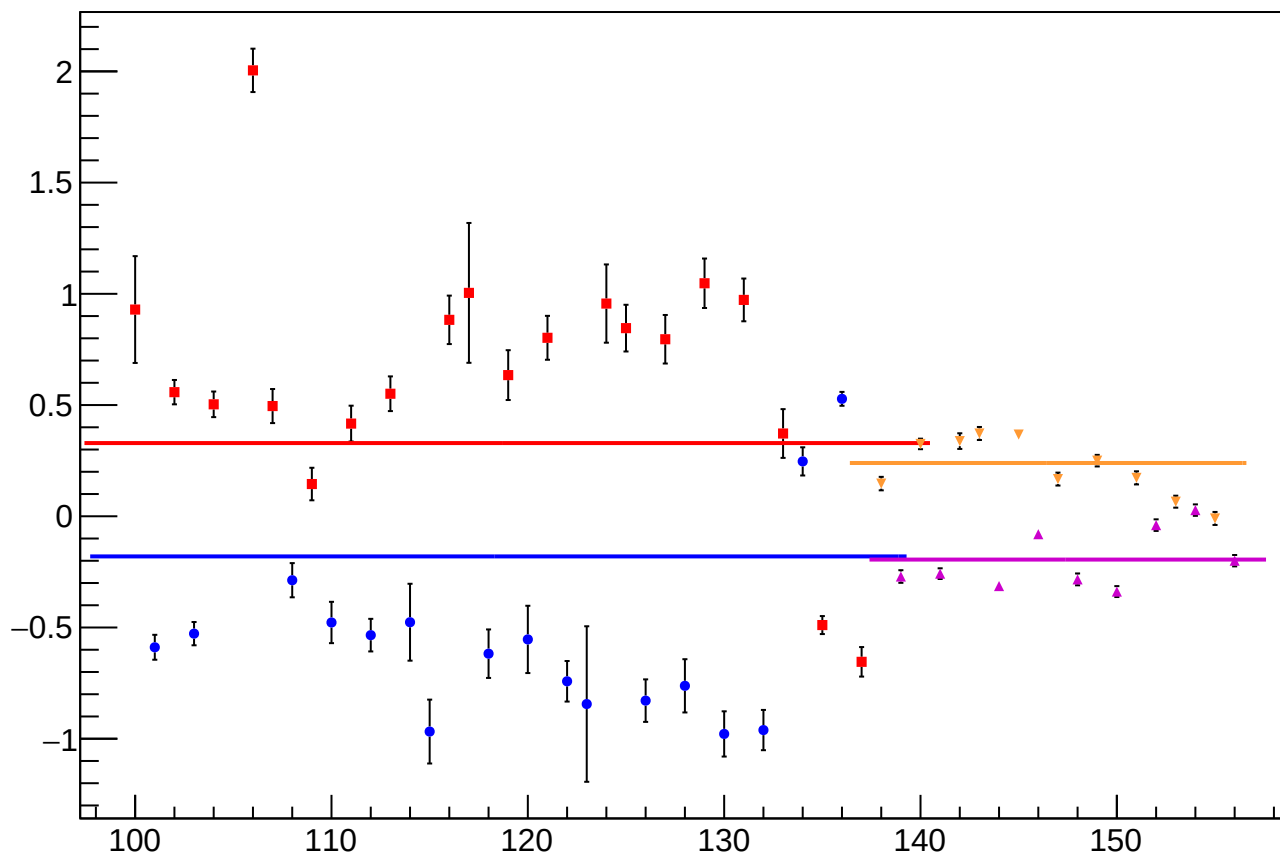
Left In: -35.146+/-0.166 χ^2/NDF : 117.5/8

32.026+/-0.151 χ^2/NDF : 5799.5/26

-0.765+/-0.106 χ^2/NDF : 103859.2/55

-32.639+/-0.149 χ^2/NDF : 5337.0/28

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.180 ± 0.018 χ^2/NDF : 995.7/16

Left Out: 0.240 ± 0.008 χ^2/NDF : 226.6/9

Right Out: 0.329 ± 0.018 χ^2/NDF : 1180.2/19

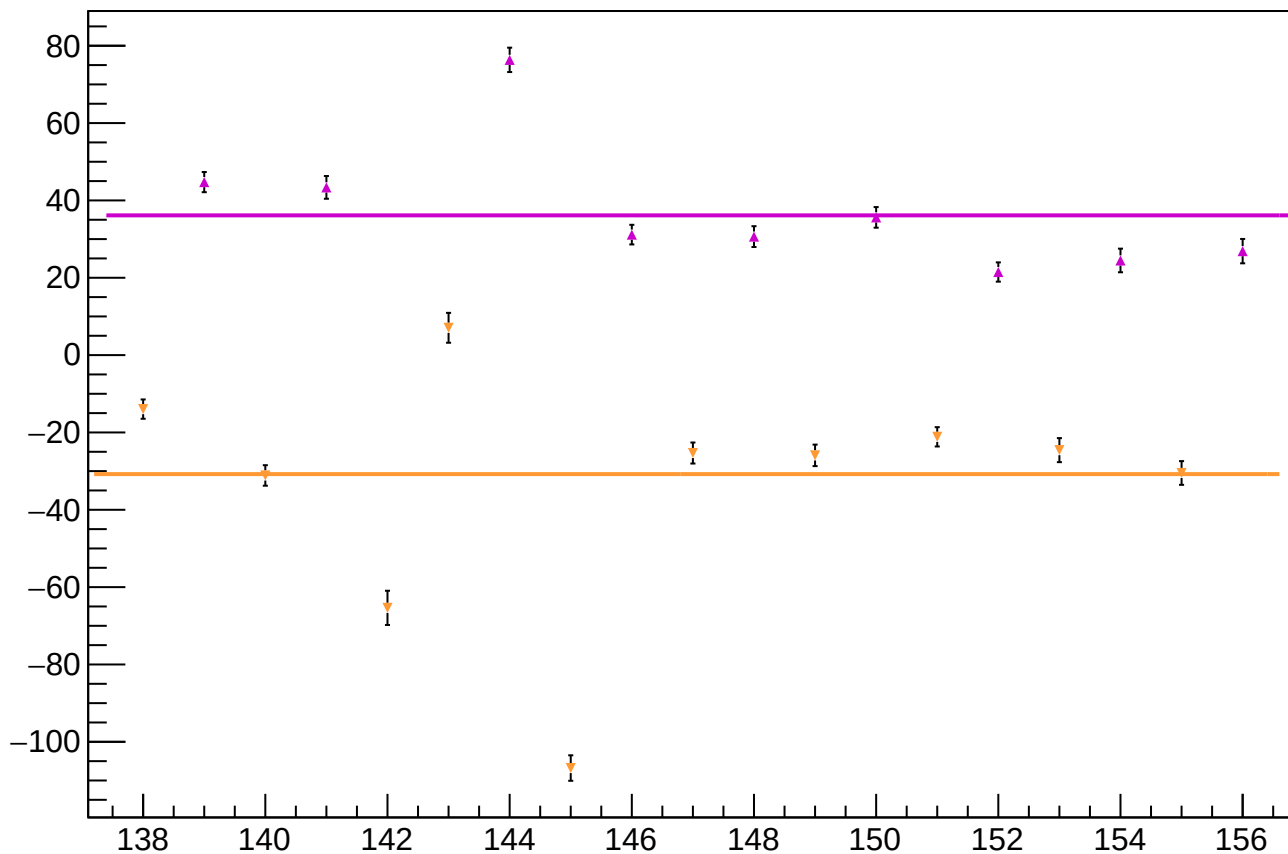
Left In: -0.195 ± 0.008 χ^2/NDF : 231.9/8

0.163 ± 0.008 χ^2/NDF : 1679.4/26

0.025 ± 0.005 χ^2/NDF : 4434.7/55

-0.107 ± 0.007 χ^2/NDF : 2104.4/28

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -30.772+/-0.934 χ^2/NDF : 759.9/9

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

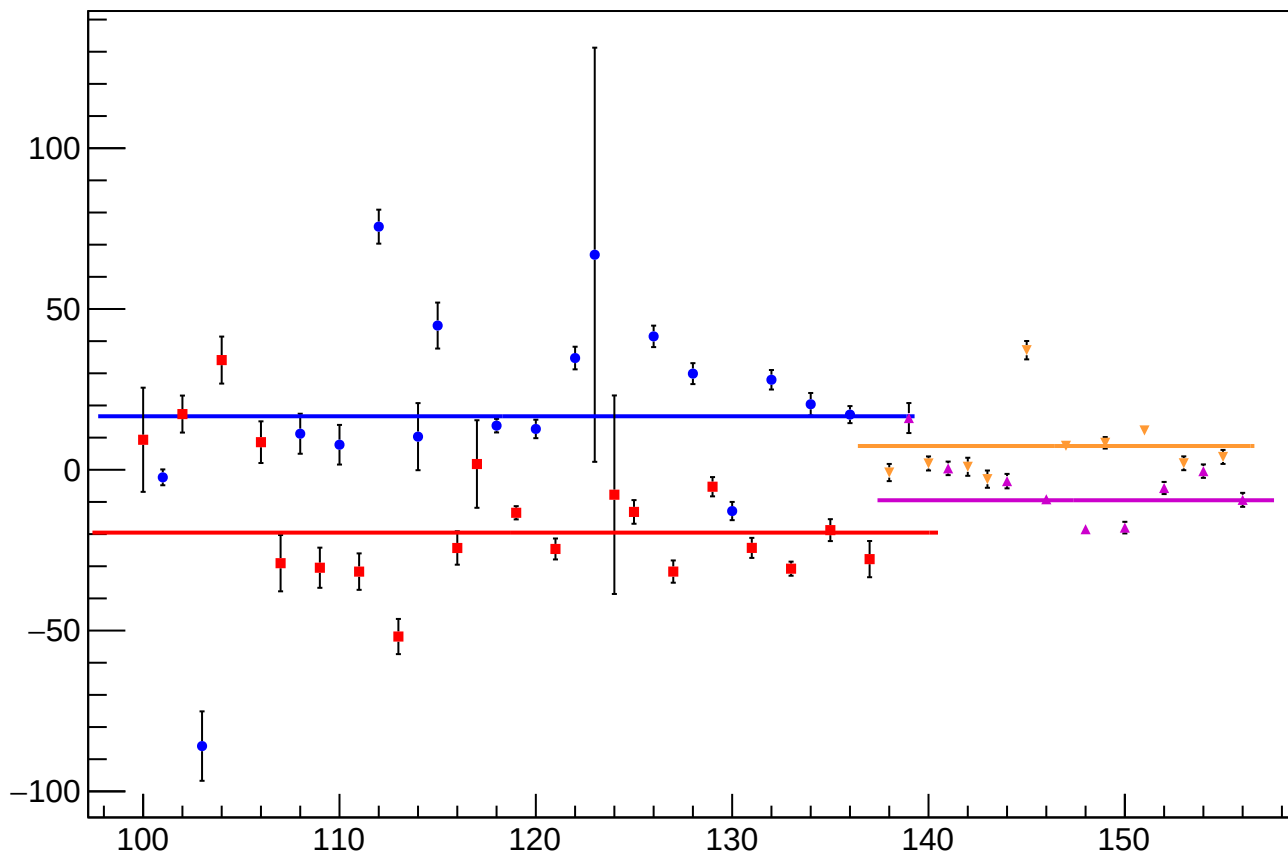
Left In: 36.136+/-0.926 χ^2/NDF : 245.5/8

-30.772+/-0.934 χ^2/NDF : 759.9/9

2.964+/-0.657 χ^2/NDF : 3594.5/18

36.136+/-0.926 χ^2/NDF : 245.5/8

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.641 $\pm$ 0.859 χ^2/NDF : 518.9/16

Left Out: 7.394 $\pm$ 0.623 χ^2/NDF : 165.1/9

Right Out: -19.540 $\pm$ 0.894 χ^2/NDF : 244.1/19

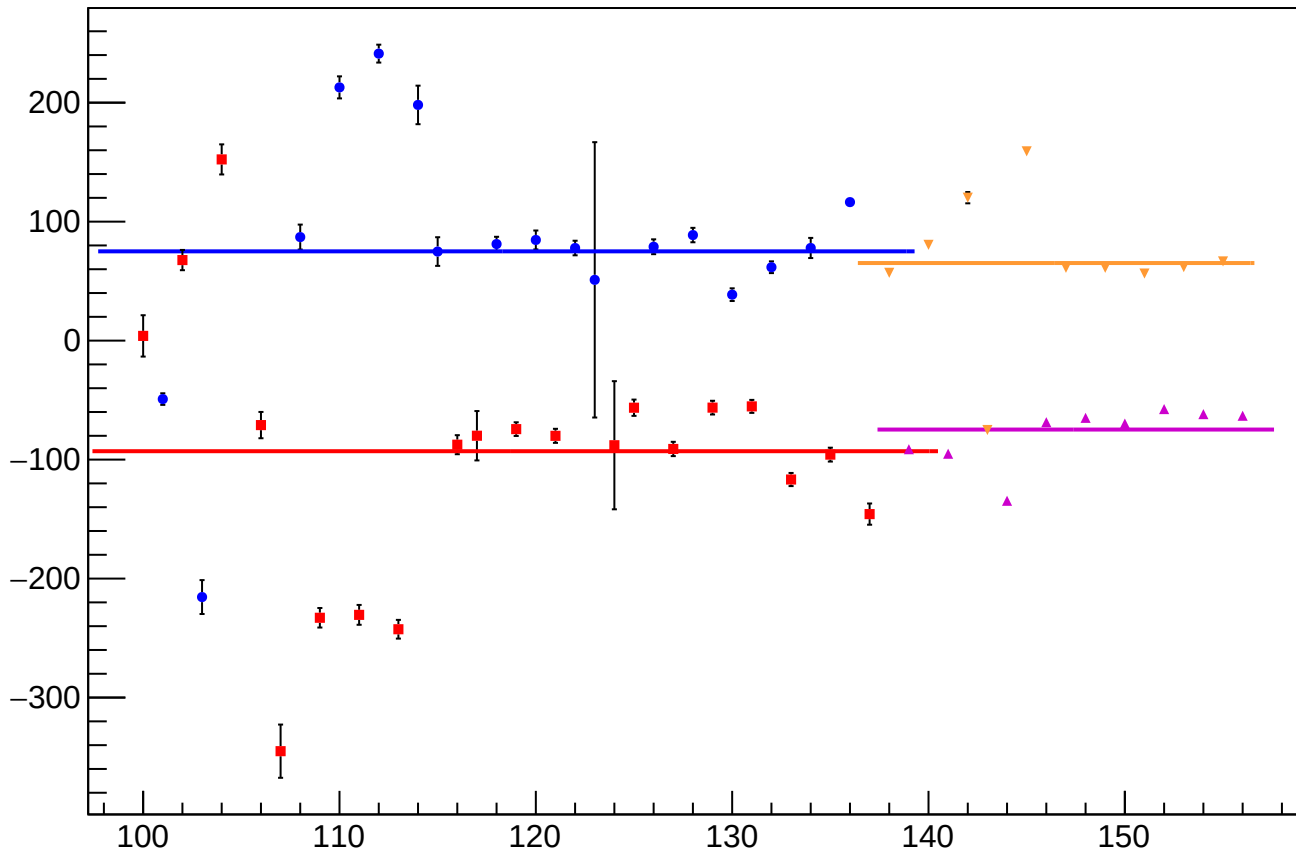
Left In: -9.475 $\pm$ 0.628 χ^2/NDF : 151.8/8

10.583 $\pm$ 0.504 χ^2/NDF : 759.9/26

-0.888 $\pm$ 0.360 χ^2/NDF : 2295.4/55

-12.797 $\pm$ 0.514 χ^2/NDF : 480.7/28

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 75.032 ± 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

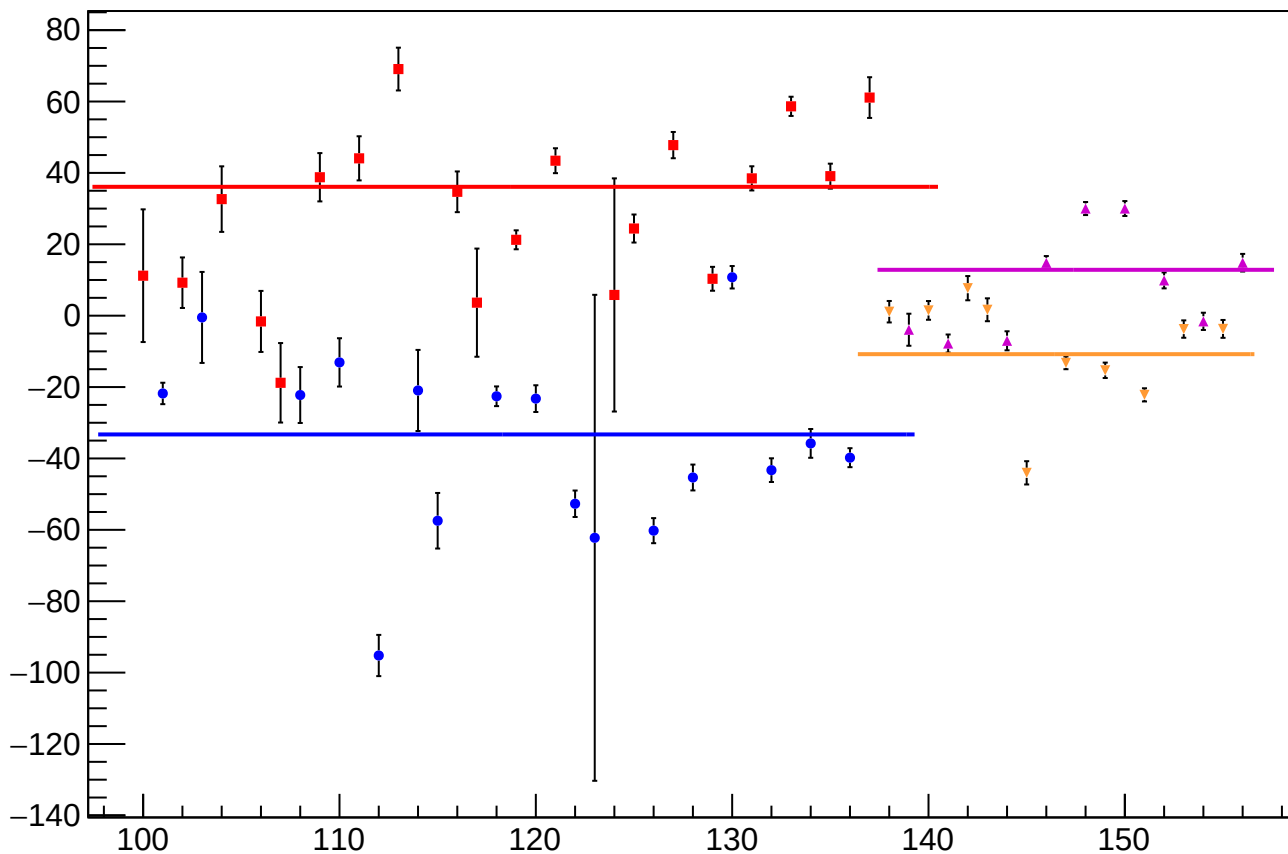
Left In: -74.748 ± 0.905 χ^2/NDF : 506.1/8

67.564 ± 0.806 χ^2/NDF : 4128.7/26

-6.182 ± 0.568 χ^2/NDF : 23331.8/55

-78.746 ± 0.800 χ^2/NDF : 2598.9/28

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

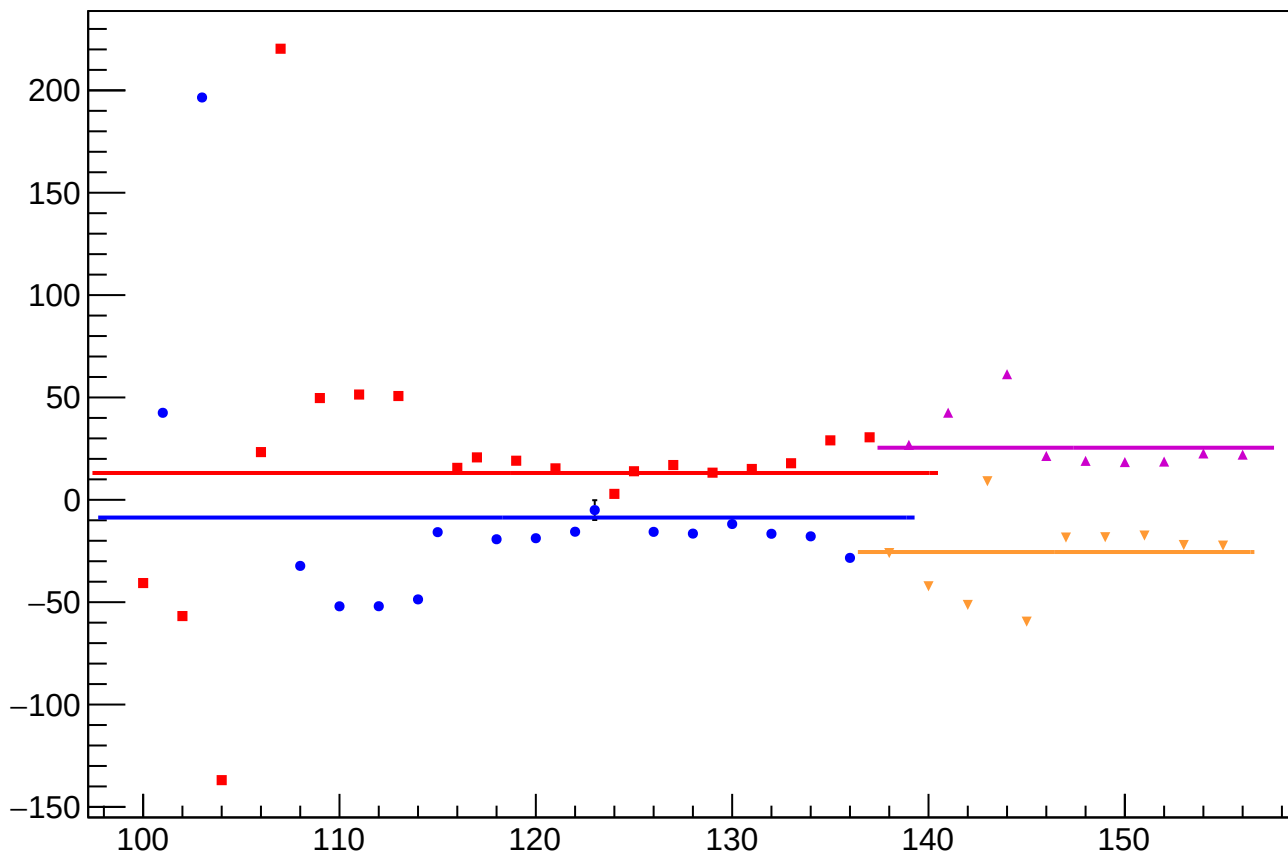
Left In: 12.850 ± 0.770 χ^2/NDF : 331.2/8

-19.344 ± 0.606 χ^2/NDF : 1061.2/26

0.669 ± 0.431 χ^2/NDF : 4239.3/55

21.267 ± 0.615 χ^2/NDF : 964.0/28

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -8.657 ± 0.059 $\chi^2/\text{NDF}: 575742.7/16$

Left Out: -25.493 ± 0.037 $\chi^2/\text{NDF}: 160000.5/9$

Right Out: 13.109 ± 0.062 $\chi^2/\text{NDF}: 558383.6/19$

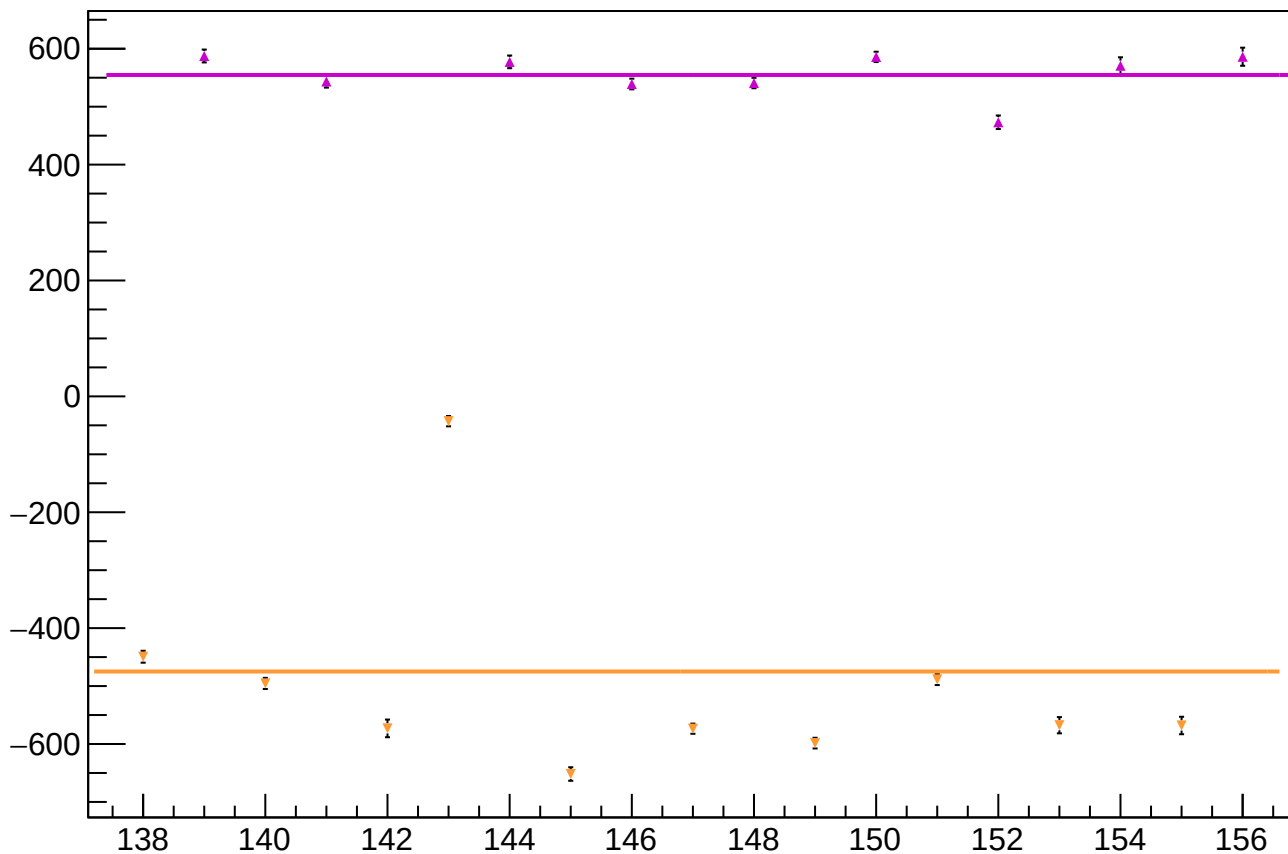
Left In: 25.445 ± 0.036 $\chi^2/\text{NDF}: 93931.5/8$

-20.676 ± 0.032 $\chi^2/\text{NDF}: 793708.2/26$

1.300 ± 0.022 $\chi^2/\text{NDF}: 2422487.8/55$

22.346 ± 0.031 $\chi^2/\text{NDF}: 682248.5/28$

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -474.854+/-3.345 χ^2/NDF : 3027.5/9

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

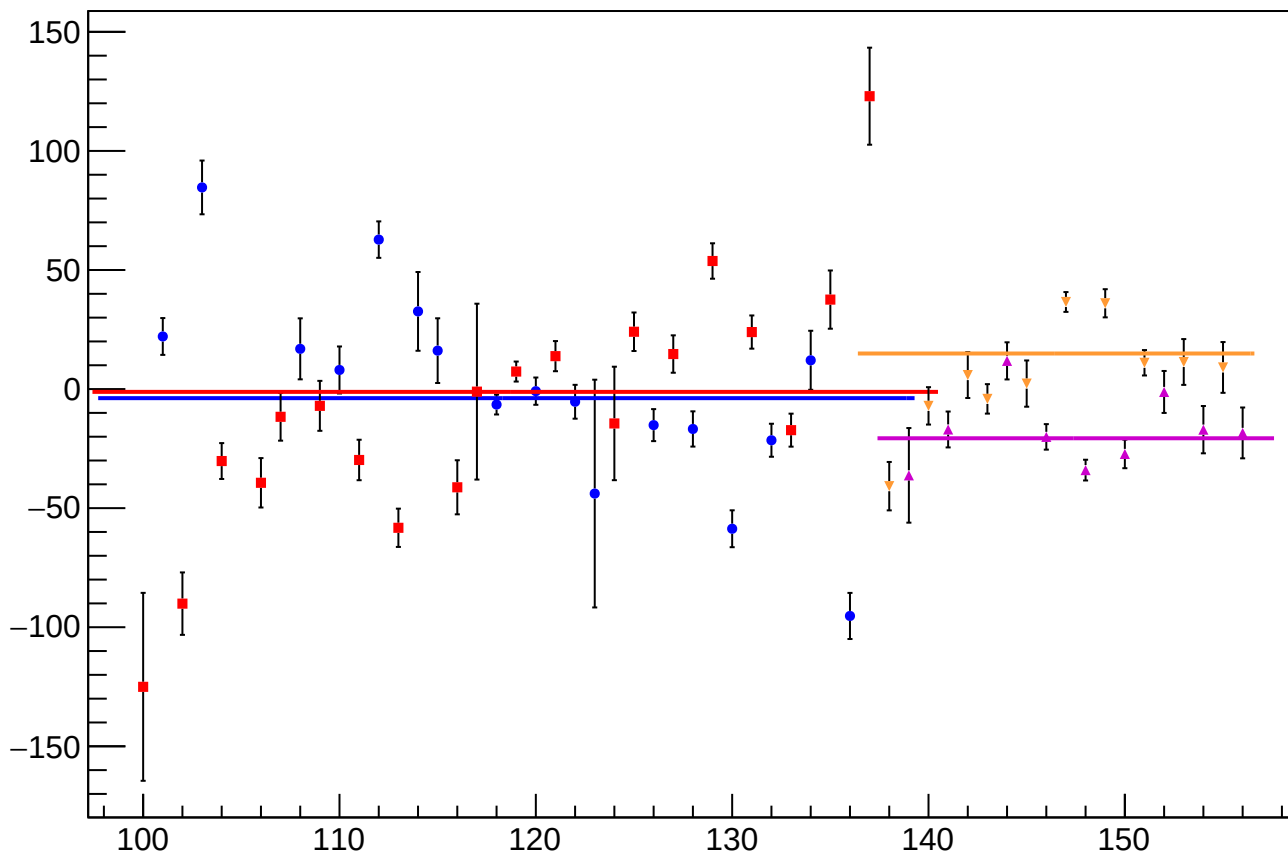
Left In: 554.721+/-3.574 χ^2/NDF : 85.6/8

-474.854+/-3.345 χ^2/NDF : 3027.5/9

5.849+/-2.442 χ^2/NDF : 47341.6/18

554.721+/-3.574 χ^2/NDF : 85.6/8

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.815 ± 1.923 χ^2/NDF : 314.3/16

Left Out: 14.936 ± 2.159 χ^2/NDF : 90.7/9

Right Out: -1.175 ± 1.911 χ^2/NDF : 303.9/19

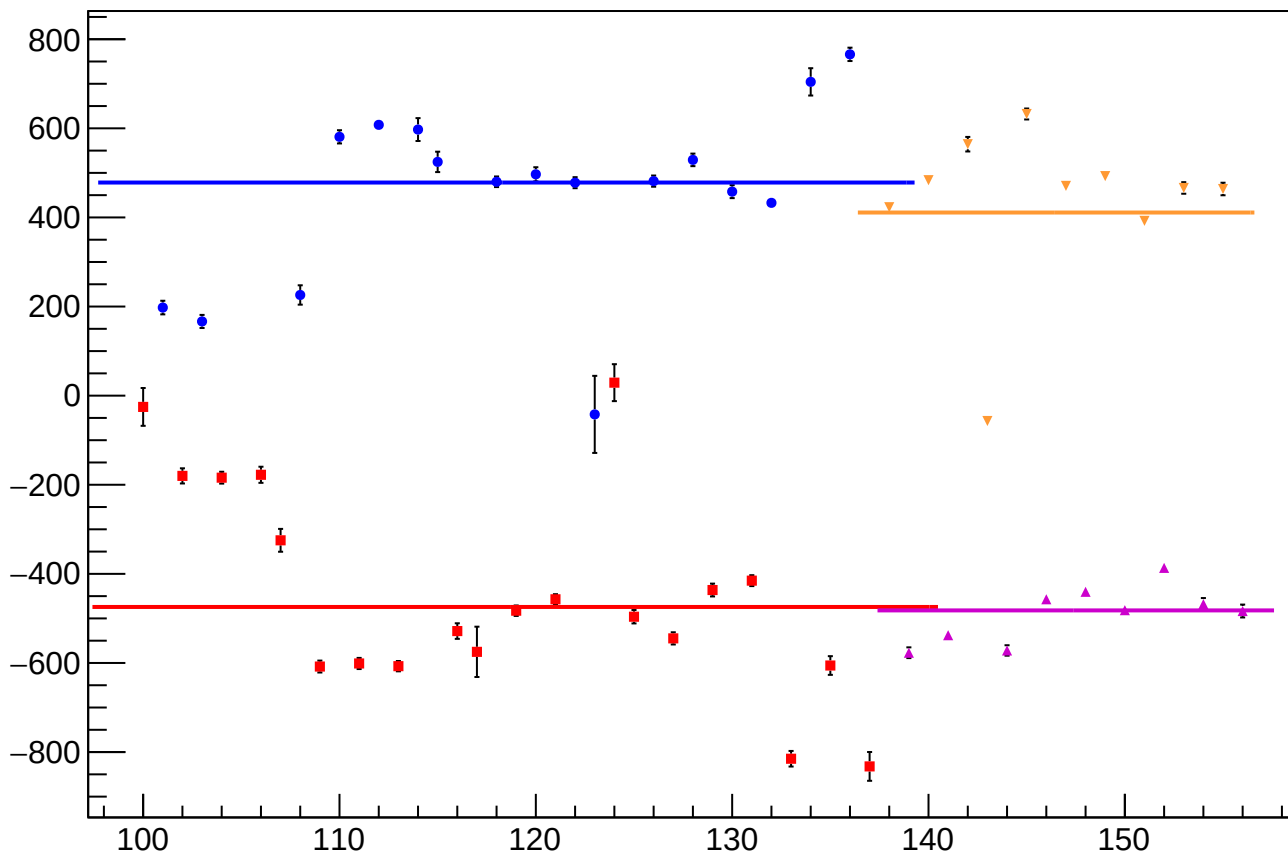
Left In: -20.659 ± 2.333 χ^2/NDF : 33.9/8

4.479 ± 1.436 χ^2/NDF : 447.0/26

-2.065 ± 1.030 χ^2/NDF : 869.4/55

-9.002 ± 1.478 χ^2/NDF : 379.5/28

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 478.334 ± 3.662 χ^2/NDF : 1628.8/16

Left Out: 411.028 ± 3.333 χ^2/NDF : 3068.1/9

Right Out: -478.296 ± 3.524 χ^2/NDF : 2288.2/19

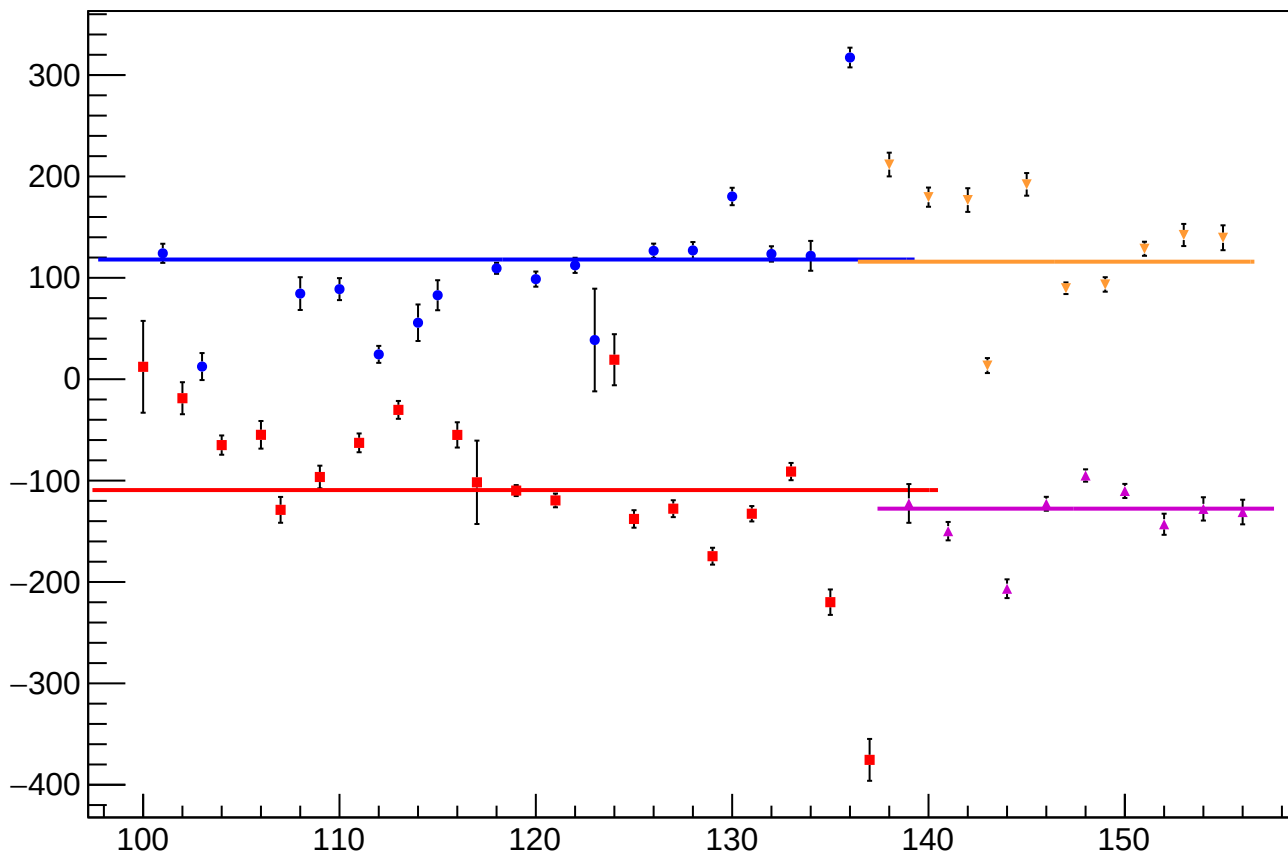
Left In: -482.020 ± 3.498 χ^2/NDF : 252.0/8

441.518 ± 2.465 χ^2/NDF : 4881.7/26

-14.986 ± 1.749 χ^2/NDF : 76533.0/55

-478.186 ± 2.483 χ^2/NDF : 2542.6/28

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 118.055 ± 2.225 $\chi^2/\text{NDF}: 705.3/16$

Left Out: 115.921 ± 2.694 $\chi^2/\text{NDF}: 421.4/9$

Right Out: -109.345 ± 2.202 $\chi^2/\text{NDF}: 569.8/19$

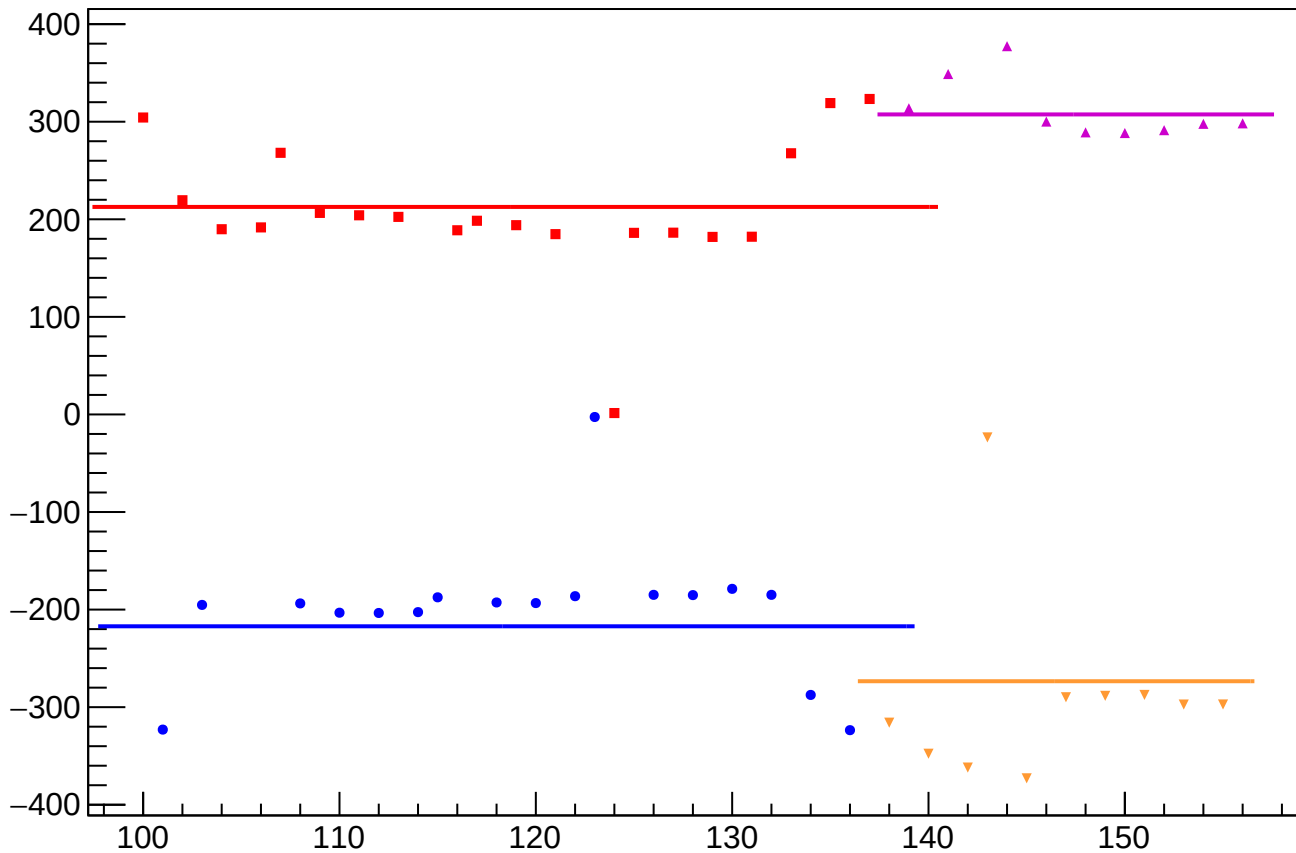
Left In: -127.675 ± 2.899 $\chi^2/\text{NDF}: 116.8/8$

117.190 ± 1.716 $\chi^2/\text{NDF}: 1127.1/26$

3.097 ± 1.226 $\chi^2/\text{NDF}: 10878.6/55$

-116.050 ± 1.753 $\chi^2/\text{NDF}: 712.0/28$

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -217.120+/-0.137 χ^2/NDF : 146559.7/16

Left Out: -273.424+/-0.138 χ^2/NDF : 538702.4/9

Right Out: 212.679+/-0.130 χ^2/NDF : 115596.4/19

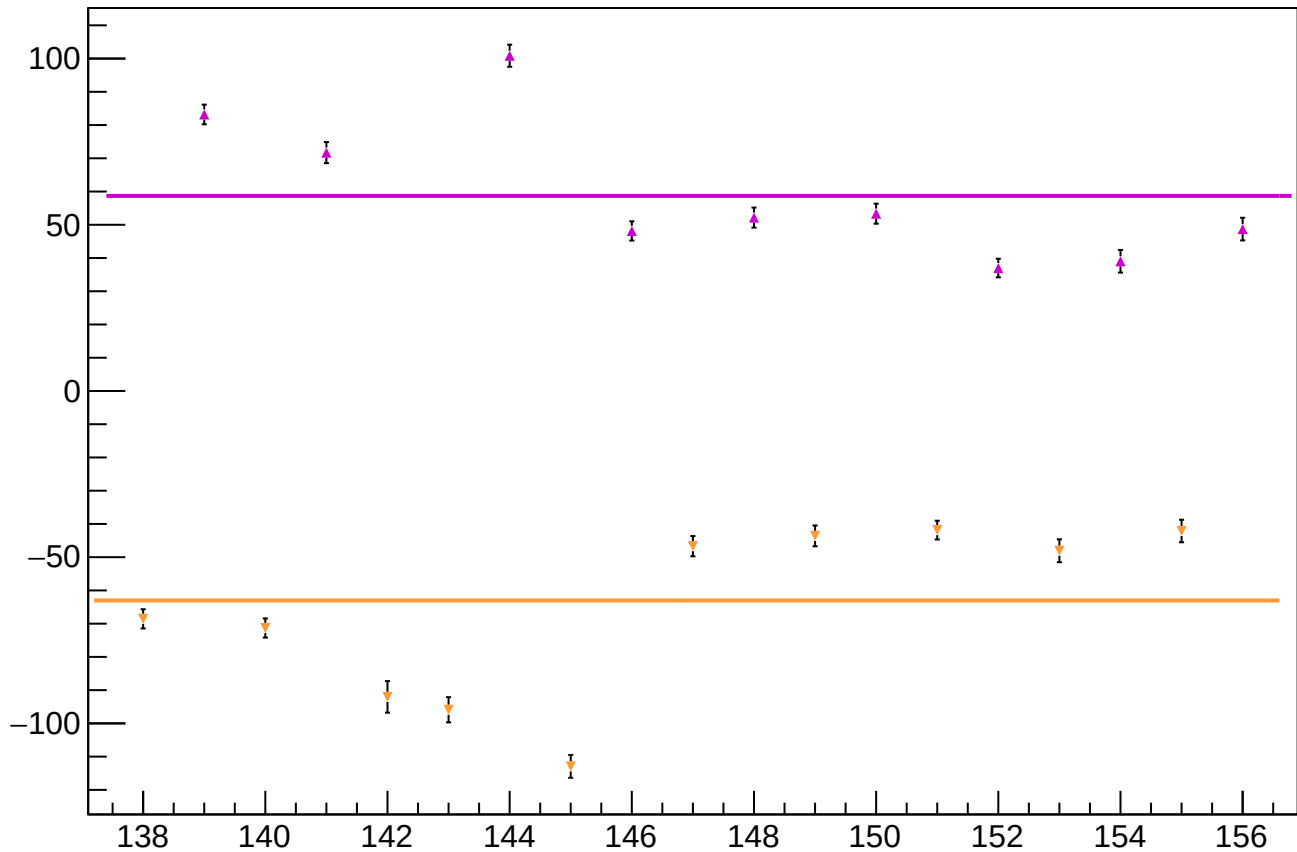
Left In: 307.472+/-0.142 χ^2/NDF : 35027.1/8

-244.961+/-0.097 χ^2/NDF : 769299.9/26

8.827+/-0.068 χ^2/NDF : 14644847.7/55

255.975+/-0.096 χ^2/NDF : 393424.7/28

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -63.014+/-1.028 χ^2/NDF : 517.1/9

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

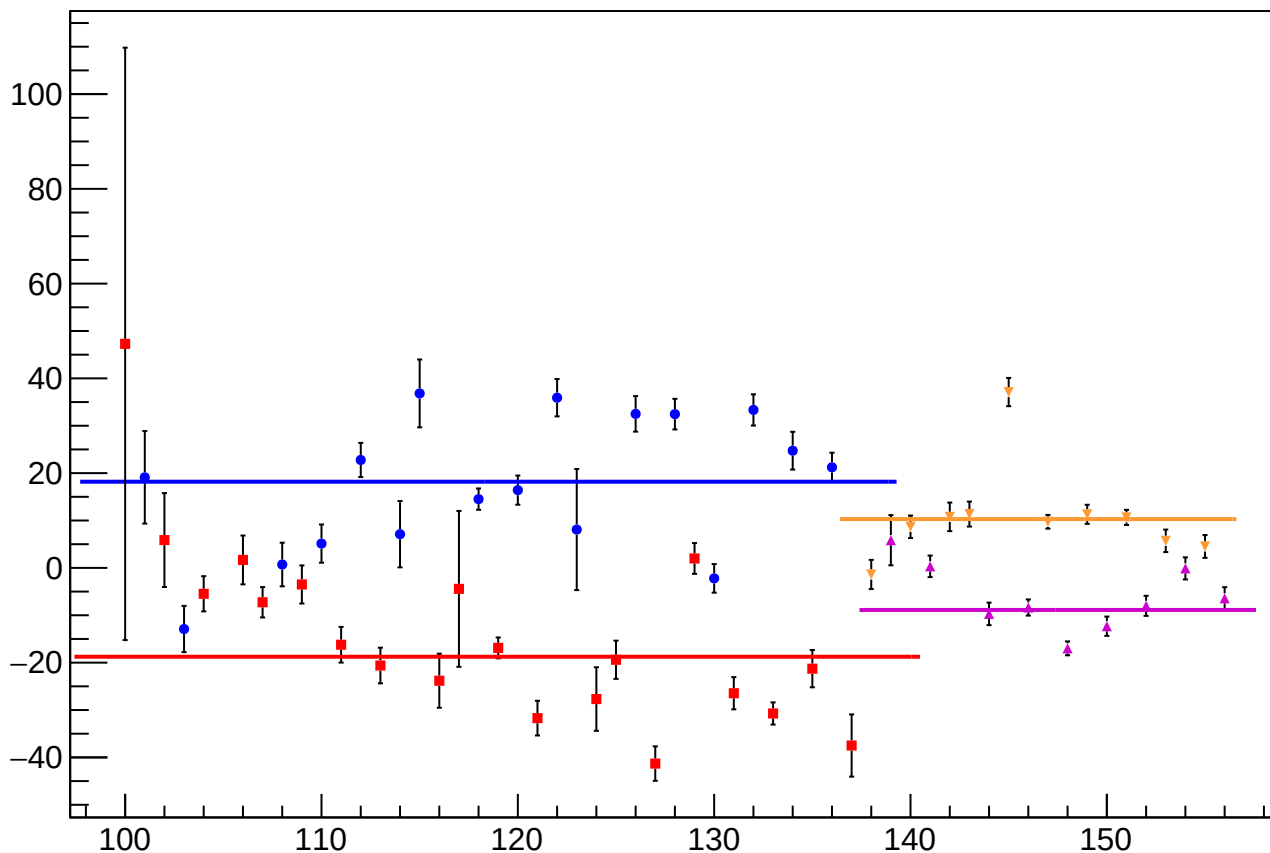
Left In: 58.689+/-1.029 χ^2/NDF : 369.5/8

-63.014+/-1.028 χ^2/NDF : 517.1/9

-2.260+/-0.727 χ^2/NDF : 7888.9/18

58.689+/-1.029 χ^2/NDF : 369.5/8

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.188 ± 0.917 χ^2/NDF : 204.9/16

Left Out: 10.300 ± 0.687 χ^2/NDF : 105.9/9

Right Out: -18.752 ± 0.862 χ^2/NDF : 199.5/19

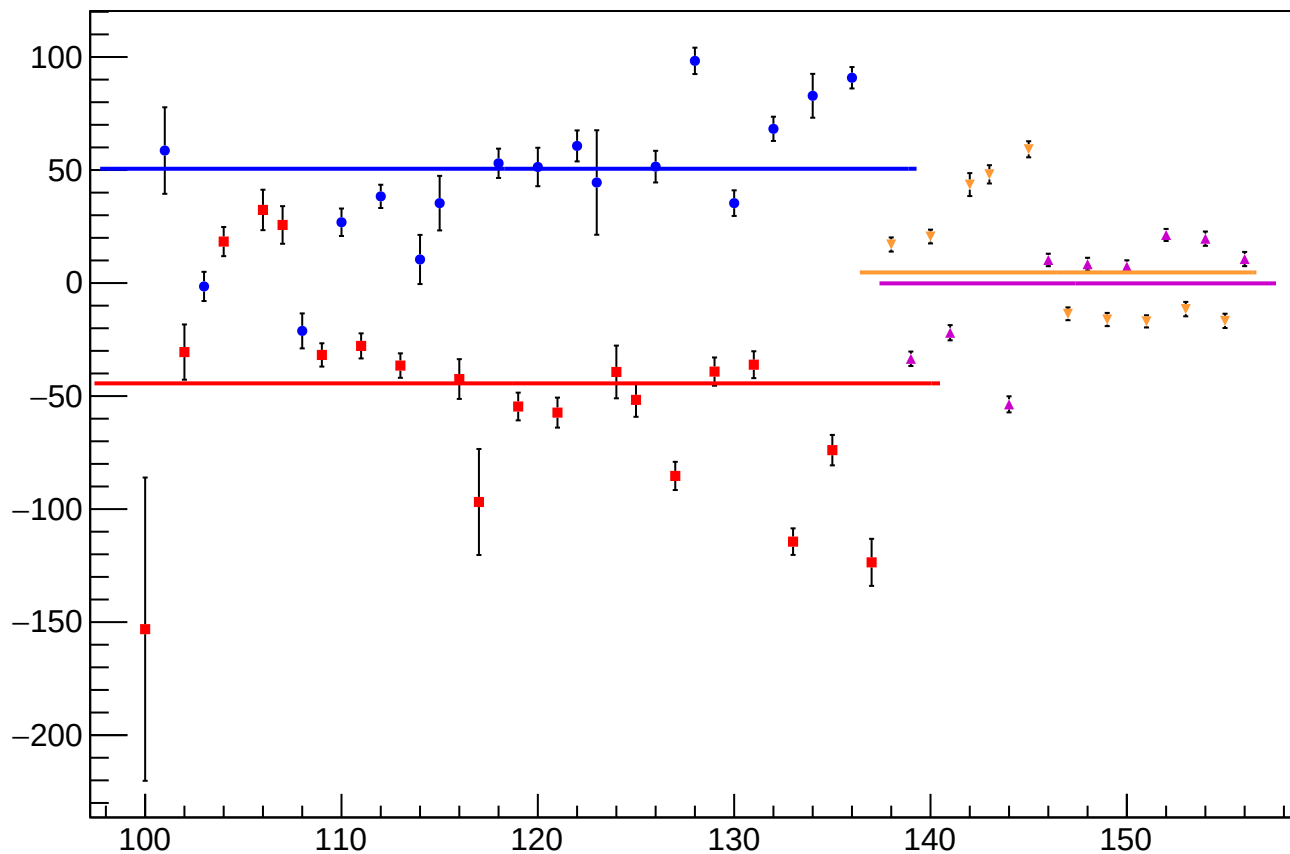
Left In: -8.877 ± 0.700 χ^2/NDF : 73.0/8

13.137 ± 0.550 χ^2/NDF : 358.1/26

0.004 ± 0.387 χ^2/NDF : 1835.6/55

-12.803 ± 0.543 χ^2/NDF : 351.7/28

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 50.565±/-1.678 χ^2/NDF : 357.9/16

Left Out: 4.700±/-1.019 χ^2/NDF : 678.0/9

Right Out: -44.377±/-1.599 χ^2/NDF : 537.6/19

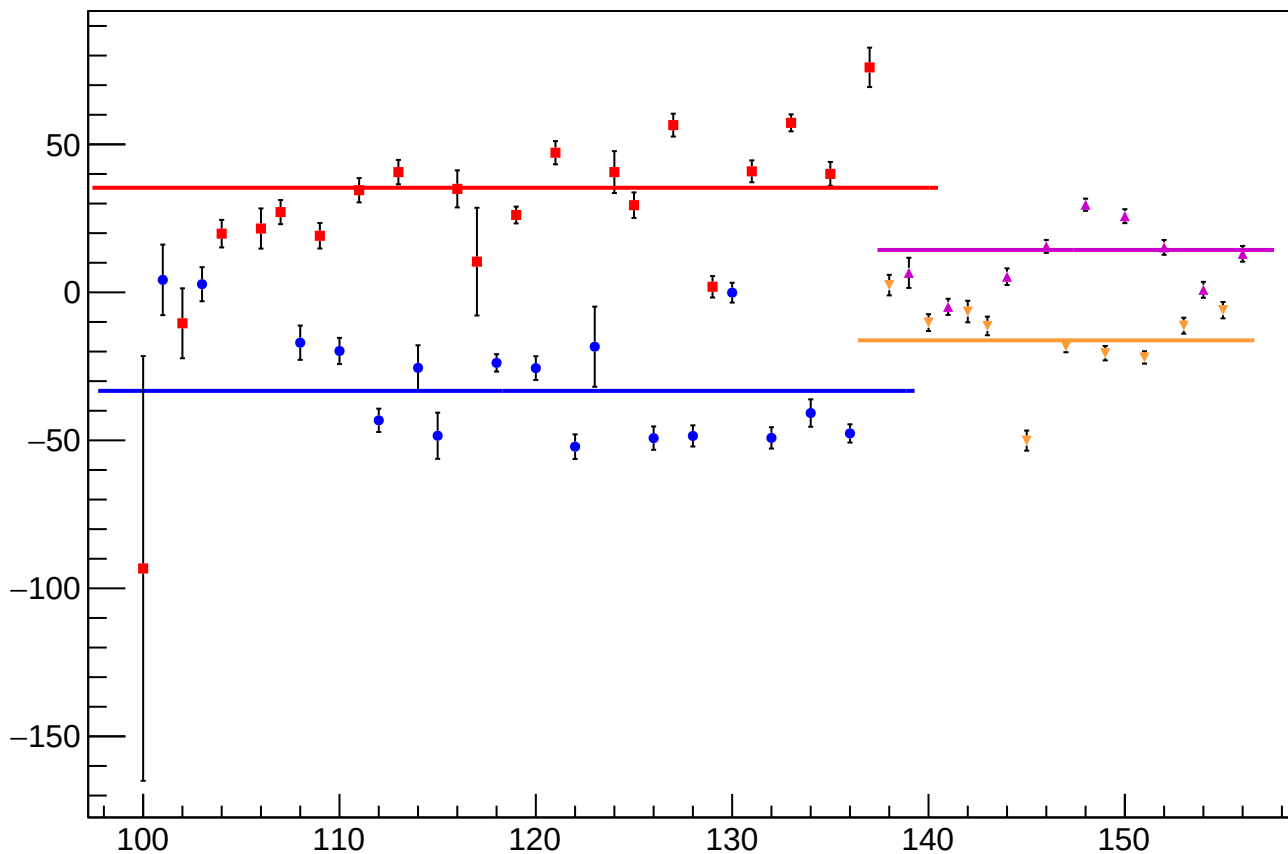
Left In: -0.146±/-1.007 χ^2/NDF : 521.0/8

17.065±/-0.871 χ^2/NDF : 1581.9/26

1.851±/-0.609 χ^2/NDF : 3785.6/55

-12.716±/-0.852 χ^2/NDF : 1606.5/28

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -16.202 ± 0.848 χ^2/NDF : 171.2/9

Right Out: 35.343 ± 0.990 χ^2/NDF : 291.6/19

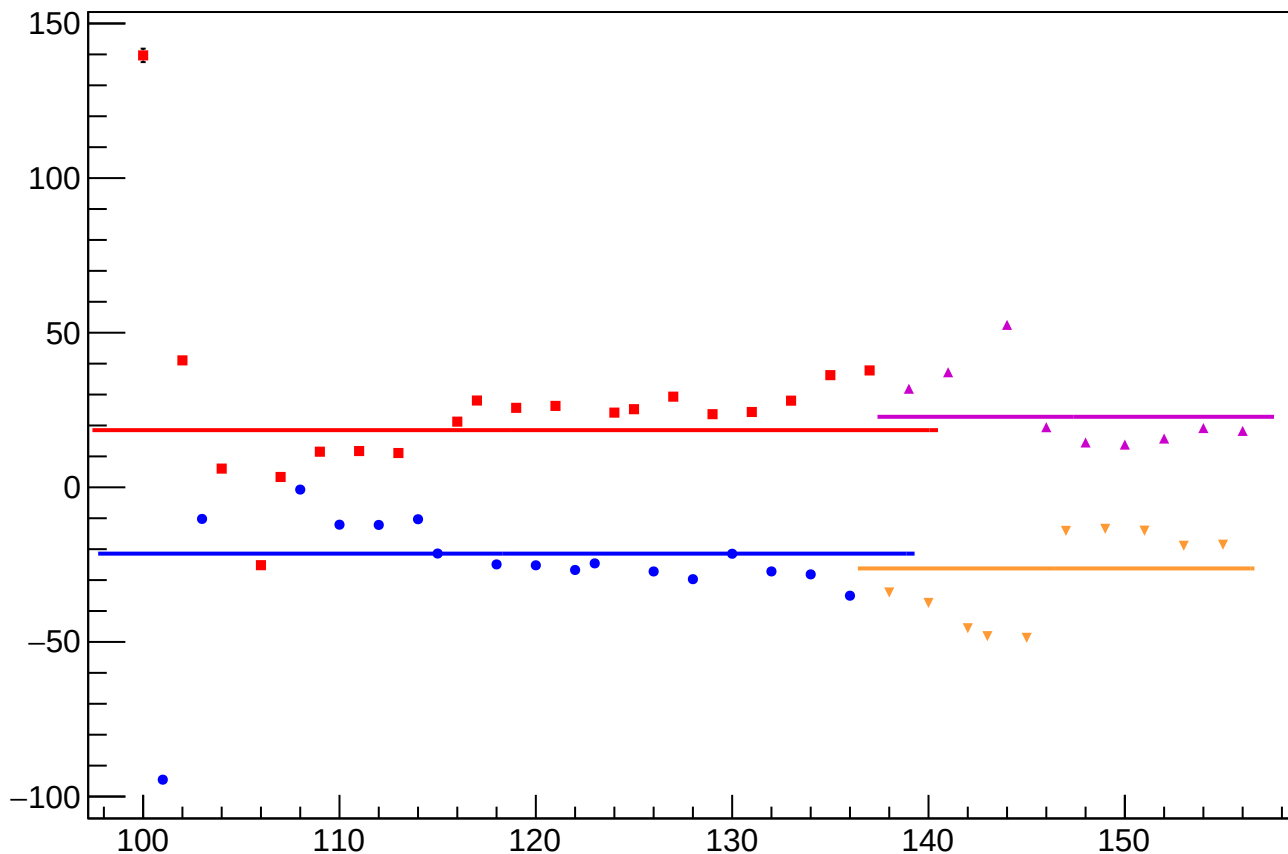
Left In: 14.330 ± 0.856 χ^2/NDF : 166.7/8

-22.997 ± 0.658 χ^2/NDF : 622.6/26

0.540 ± 0.462 χ^2/NDF : 3855.3/55

23.323 ± 0.648 χ^2/NDF : 716.1/28

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -21.442 ± 0.059 $\chi^2/\text{NDF}: 48968.5/16$

Left Out: -26.231 ± 0.041 $\chi^2/\text{NDF}: 102361.7/9$

Right Out: 18.490 ± 0.057 $\chi^2/\text{NDF}: 80549.5/19$

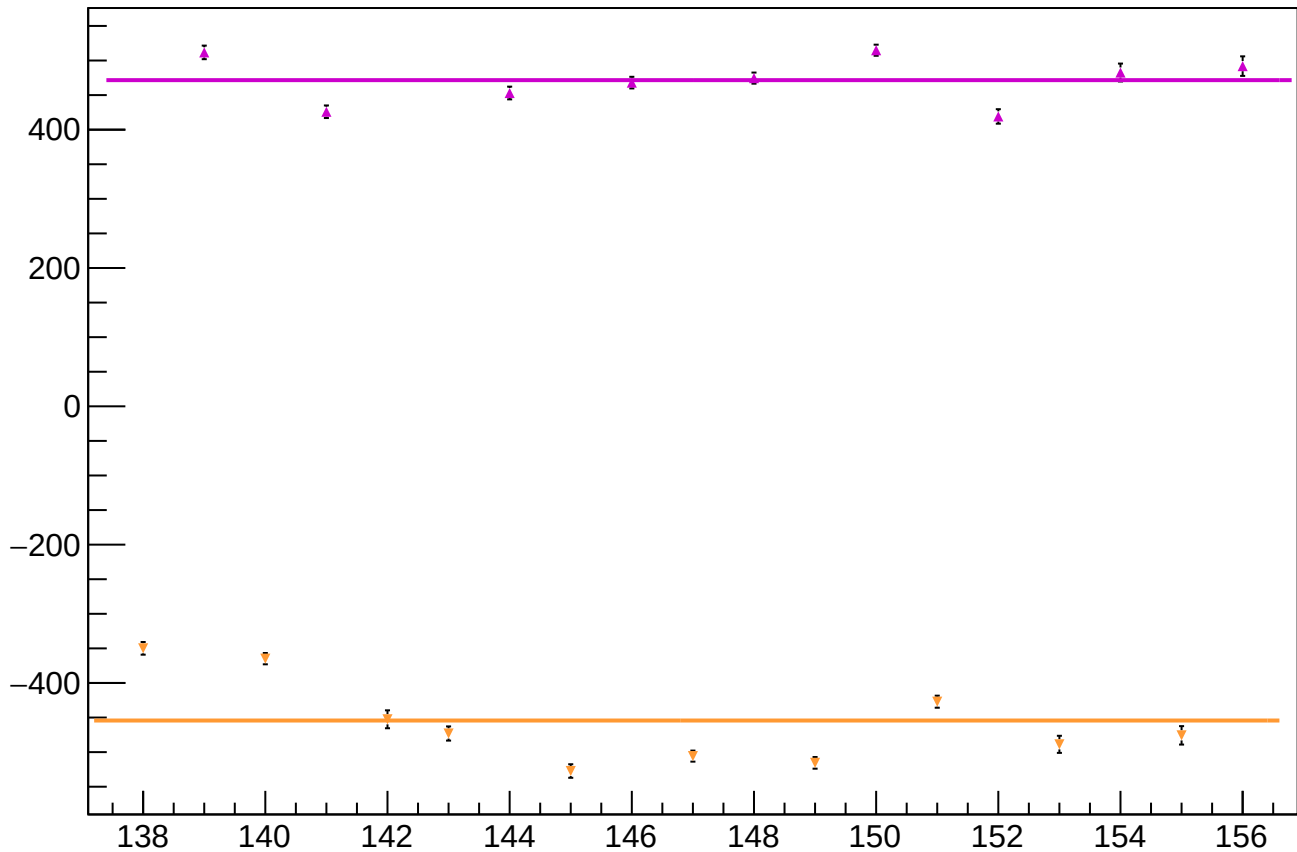
Left In: 22.809 ± 0.040 $\chi^2/\text{NDF}: 72604.5/8$

-24.657 ± 0.034 $\chi^2/\text{NDF}: 155766.4/26$

-0.853 ± 0.023 $\chi^2/\text{NDF}: 1274452.3/55$

21.408 ± 0.033 $\chi^2/\text{NDF}: 156989.9/28$

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -454.295+/-3.046 χ^2/NDF : 422.3/9

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

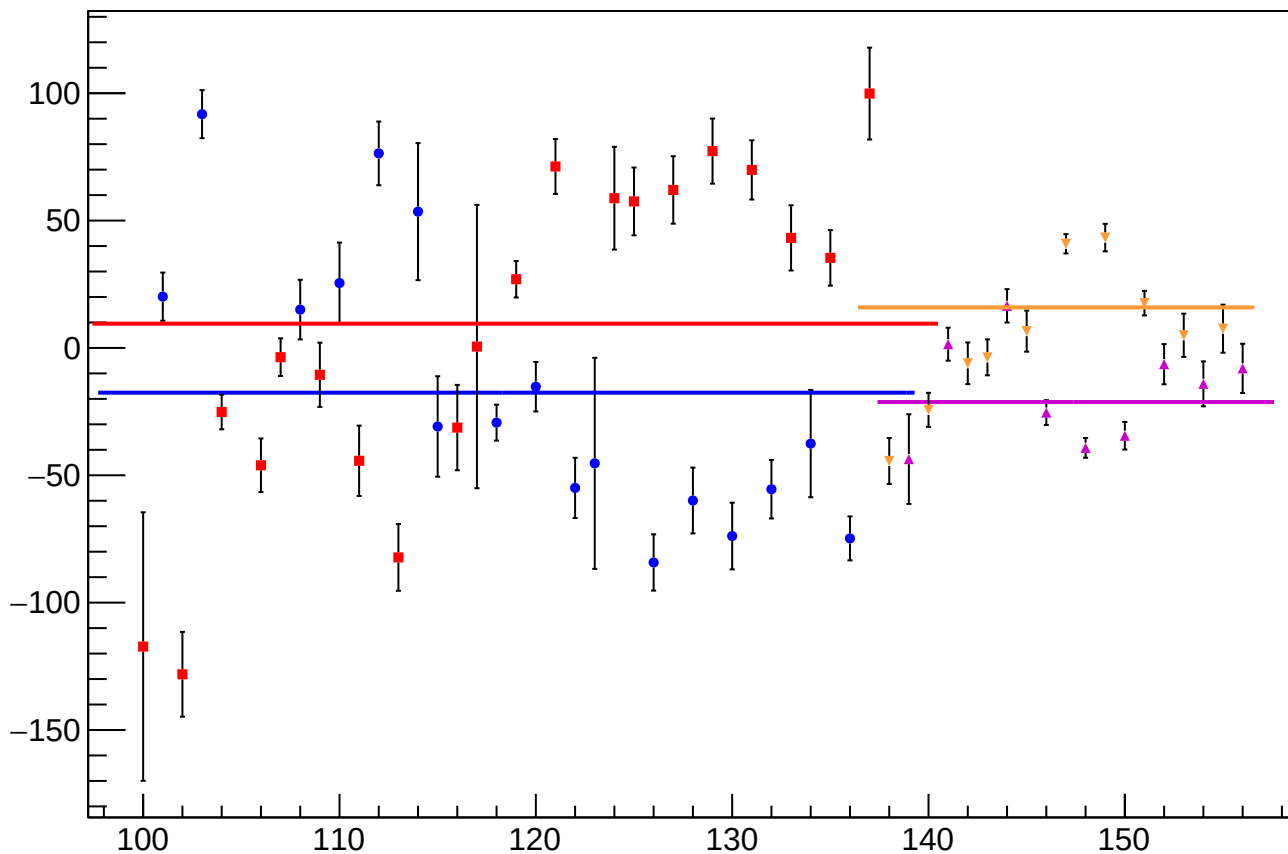
Left In: 471.622+/-3.169 χ^2/NDF : 103.3/8

-454.295+/-3.046 χ^2/NDF : 422.3/9

-9.602+/-2.196 χ^2/NDF : 44892.1/18

471.622+/-3.169 χ^2/NDF : 103.3/8

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -17.564 ± 2.820 χ^2/NDF : 363.7/16

Left Out: 15.917 ± 1.971 χ^2/NDF : 169.1/9

Right Out: 9.527 ± 2.606 χ^2/NDF : 370.3/19

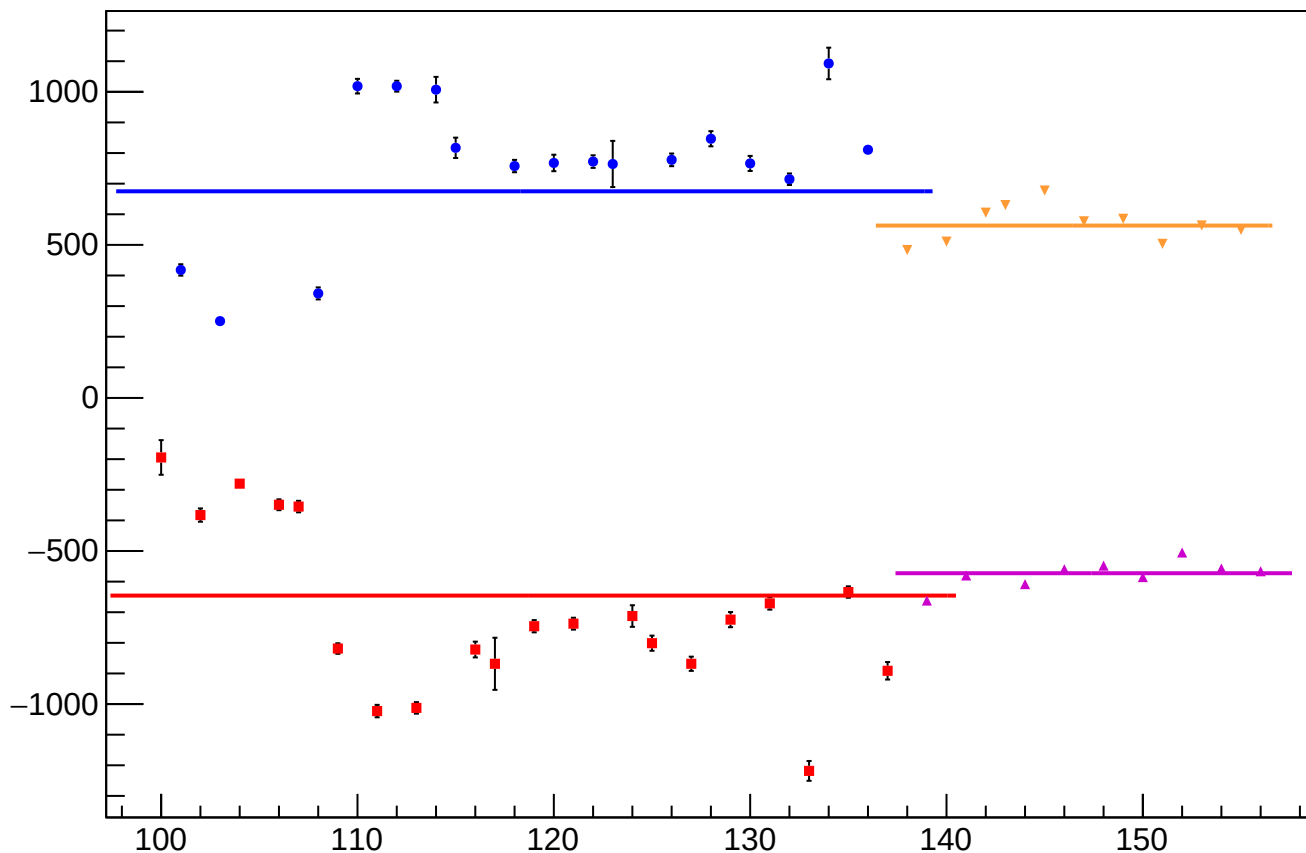
Left In: -21.245 ± 2.074 χ^2/NDF : 81.3/8

4.931 ± 1.616 χ^2/NDF : 627.5/26

-2.157 ± 1.145 χ^2/NDF : 1203.2/55

-9.310 ± 1.623 χ^2/NDF : 537.0/28

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 675.045+/-5.067 χ^2/NDF : 2584.3/16

Left Out: 563.089+/-3.032 χ^2/NDF : 334.0/9

Right Out: -645.613+/-4.754 χ^2/NDF : 3129.0/19

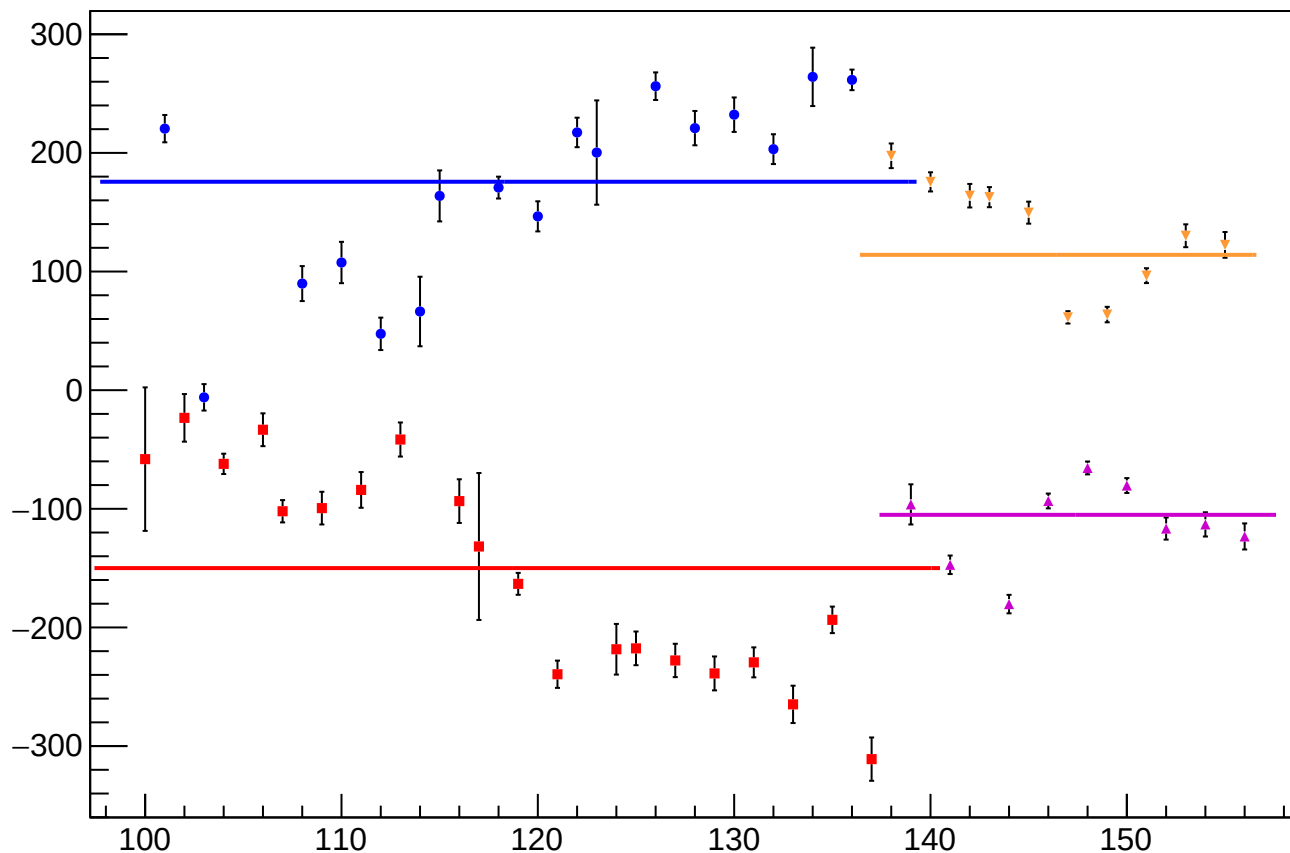
Left In: -572.563+/-3.109 χ^2/NDF : 147.7/8

592.600+/-2.602 χ^2/NDF : 3277.8/26

-0.892+/-1.840 χ^2/NDF : 110803.0/55

-594.445+/-2.602 χ^2/NDF : 3442.1/28

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 175.686 ± 3.239 χ^2/NDF : 637.9/16

Left Out: 114.068 ± 2.461 χ^2/NDF : 367.9/9

Right Out: -149.973 ± 3.038 χ^2/NDF : 693.8/19

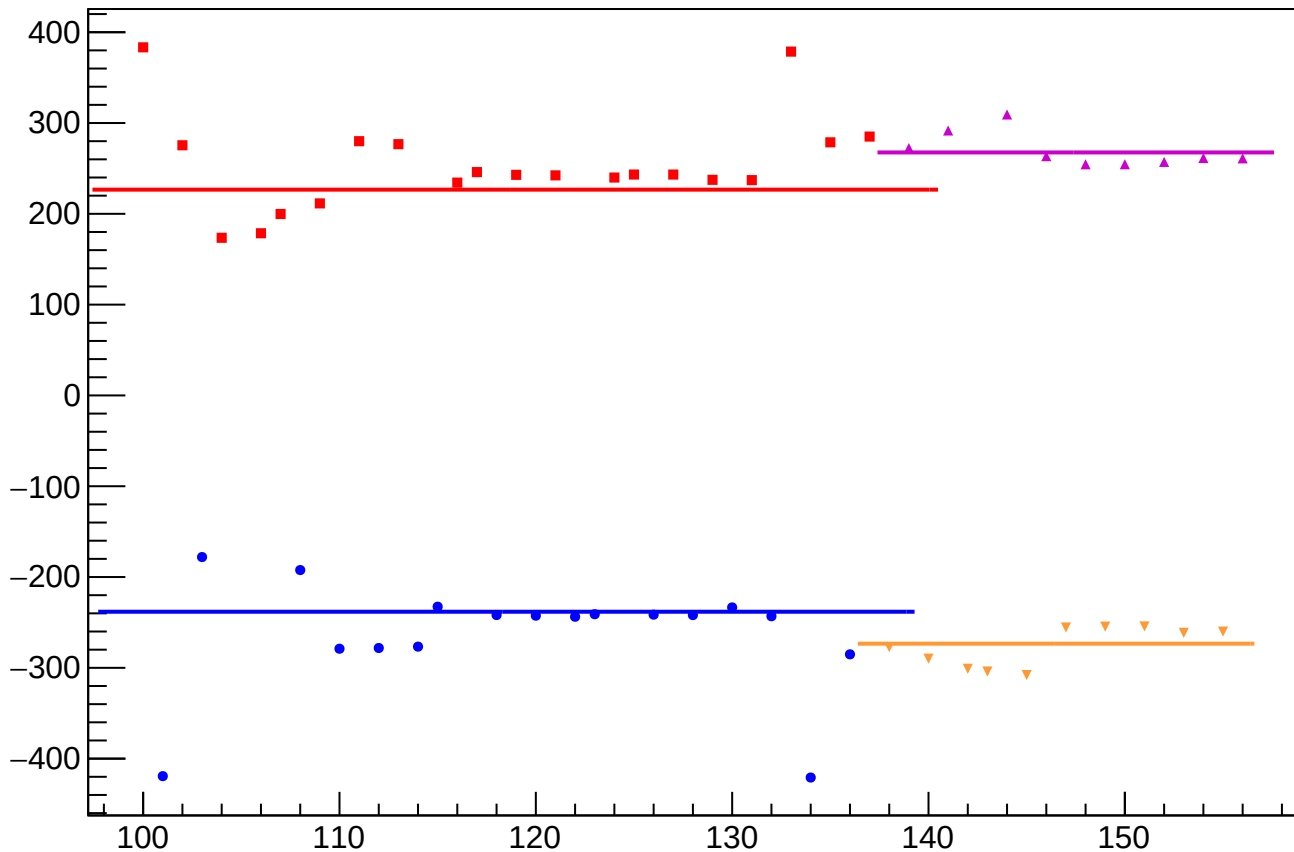
Left In: -105.080 ± 2.576 χ^2/NDF : 199.7/8

136.619 ± 1.959 χ^2/NDF : 1235.3/26

6.752 ± 1.387 χ^2/NDF : 11067.5/55

-123.855 ± 1.965 χ^2/NDF : 1020.6/28

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.217 ± 0.160 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

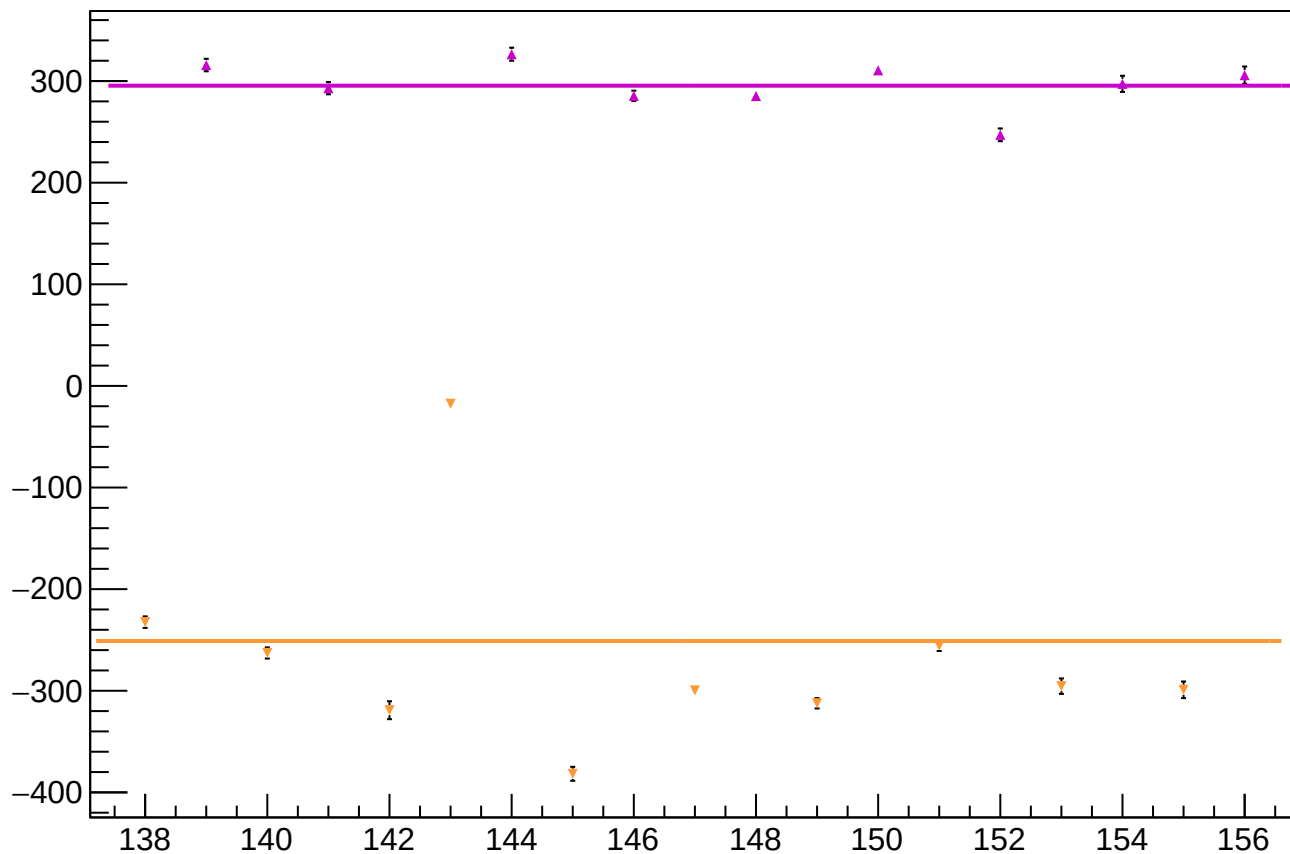
Left In: 267.601 ± 0.126 χ^2/NDF : 17950.4/8

-260.018 ± 0.099 χ^2/NDF : 223503.3/26

1.084 ± 0.069 χ^2/NDF : 14007032.6/55

250.796 ± 0.097 χ^2/NDF : 163907.2/28

reg_asym_atl_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -251.019+/-1.861 χ^2/NDF : 2977.2/9

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

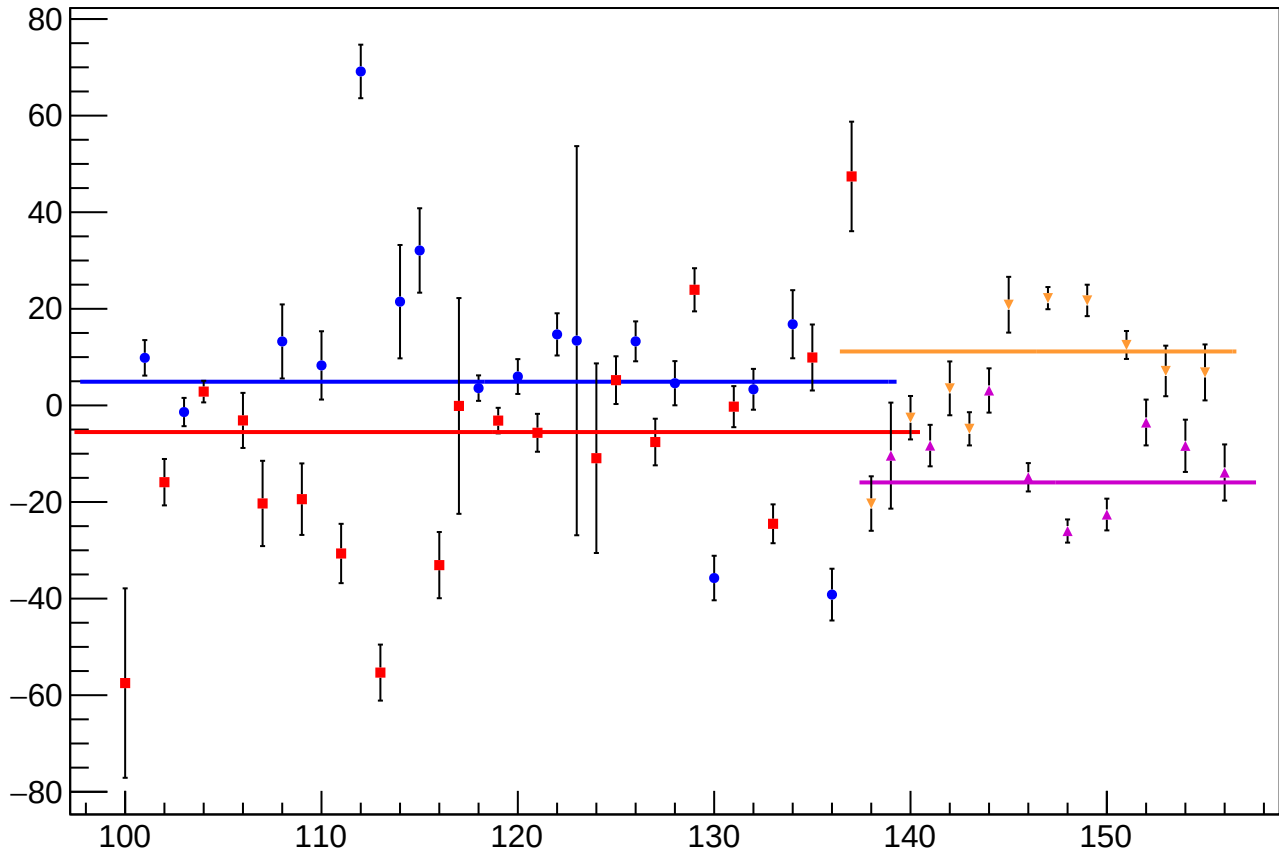
Left In: 295.460+/-1.982 χ^2/NDF : 112.6/8

-251.019+/-1.861 χ^2/NDF : 2977.2/9

5.069+/-1.357 χ^2/NDF : 43486.8/18

295.460+/-1.982 χ^2/NDF : 112.6/8

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.905 ± 1.105 $\chi^2/\text{NDF}: 311.7/16$

Left Out: 11.168 ± 1.197 $\chi^2/\text{NDF}: 101.9/9$

Right Out: -5.517 ± 1.067 $\chi^2/\text{NDF}: 239.0/19$

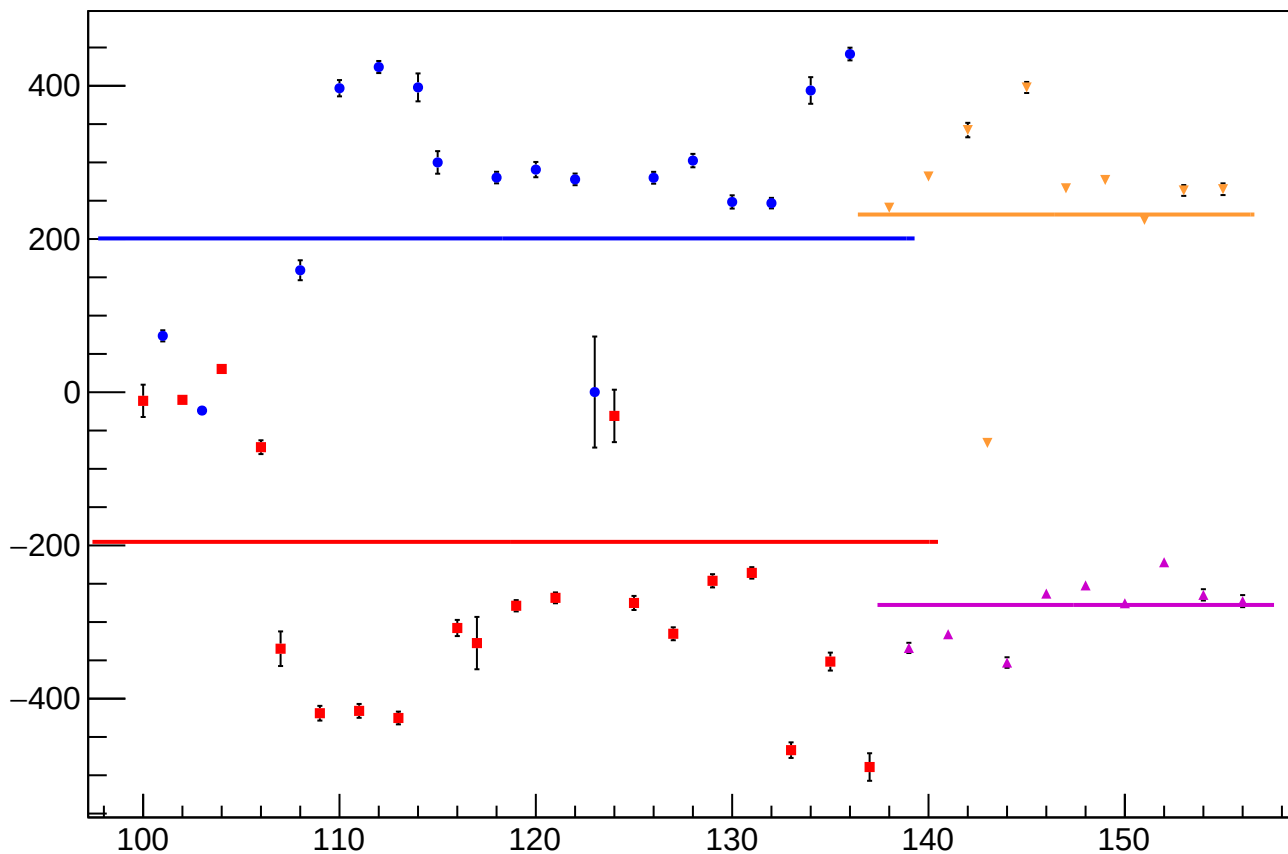
Left In: -15.947 ± 1.290 $\chi^2/\text{NDF}: 51.4/8$

7.787 ± 0.812 $\chi^2/\text{NDF}: 428.4/26$

-0.873 ± 0.578 $\chi^2/\text{NDF}: 987.8/55$

-9.754 ± 0.822 $\chi^2/\text{NDF}: 329.2/28$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 200.773+/-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

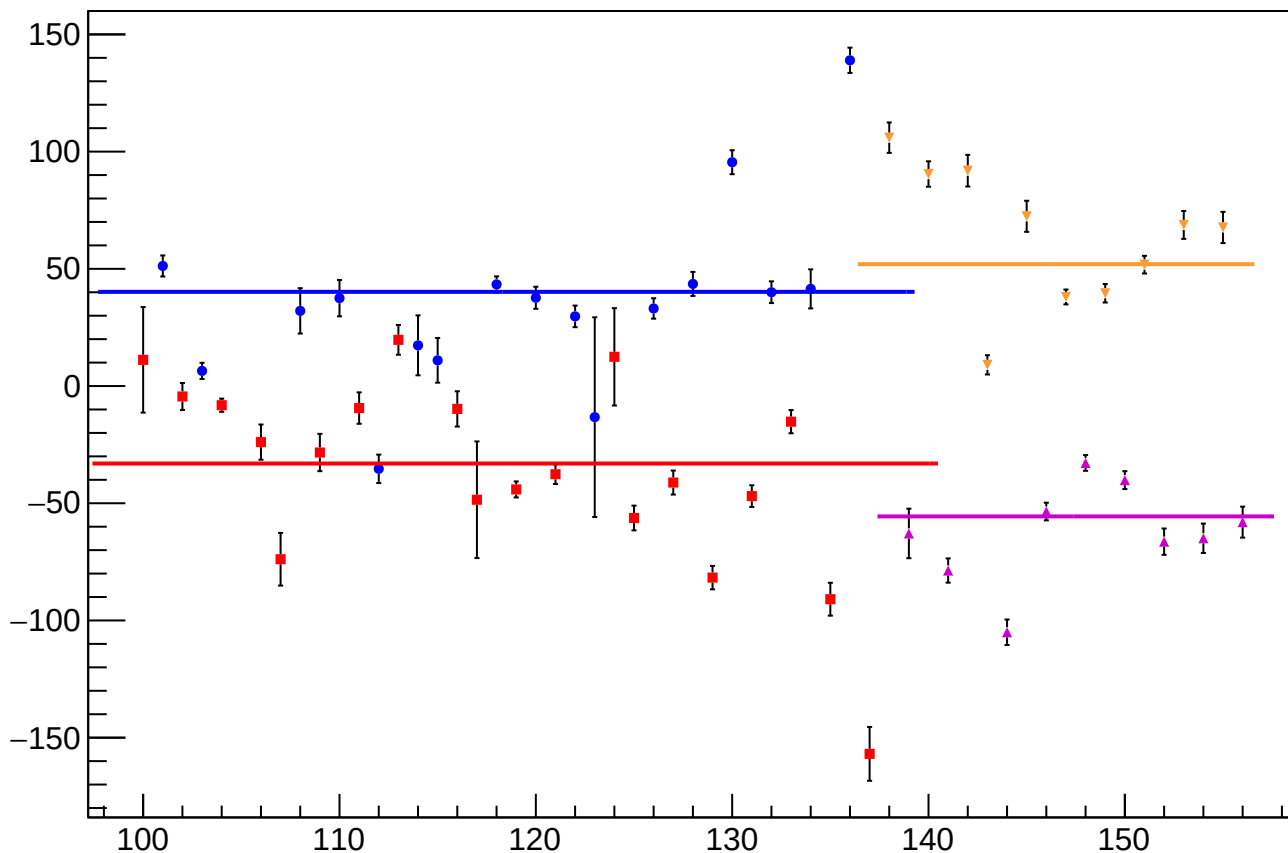
Left In: -277.659+/-1.936 χ^2/NDF : 354.6/8

217.460+/-1.353 χ^2/NDF : 10979.0/26

-7.586+/-0.960 χ^2/NDF : 76282.3/55

-236.165+/-1.363 χ^2/NDF : 9528.6/28

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 40.185+/-1.283 χ^2/NDF : 734.6/16

Left Out: 51.985+/-1.495 χ^2/NDF : 316.1/9

Right Out: -33.045+/-1.249 χ^2/NDF : 553.1/19

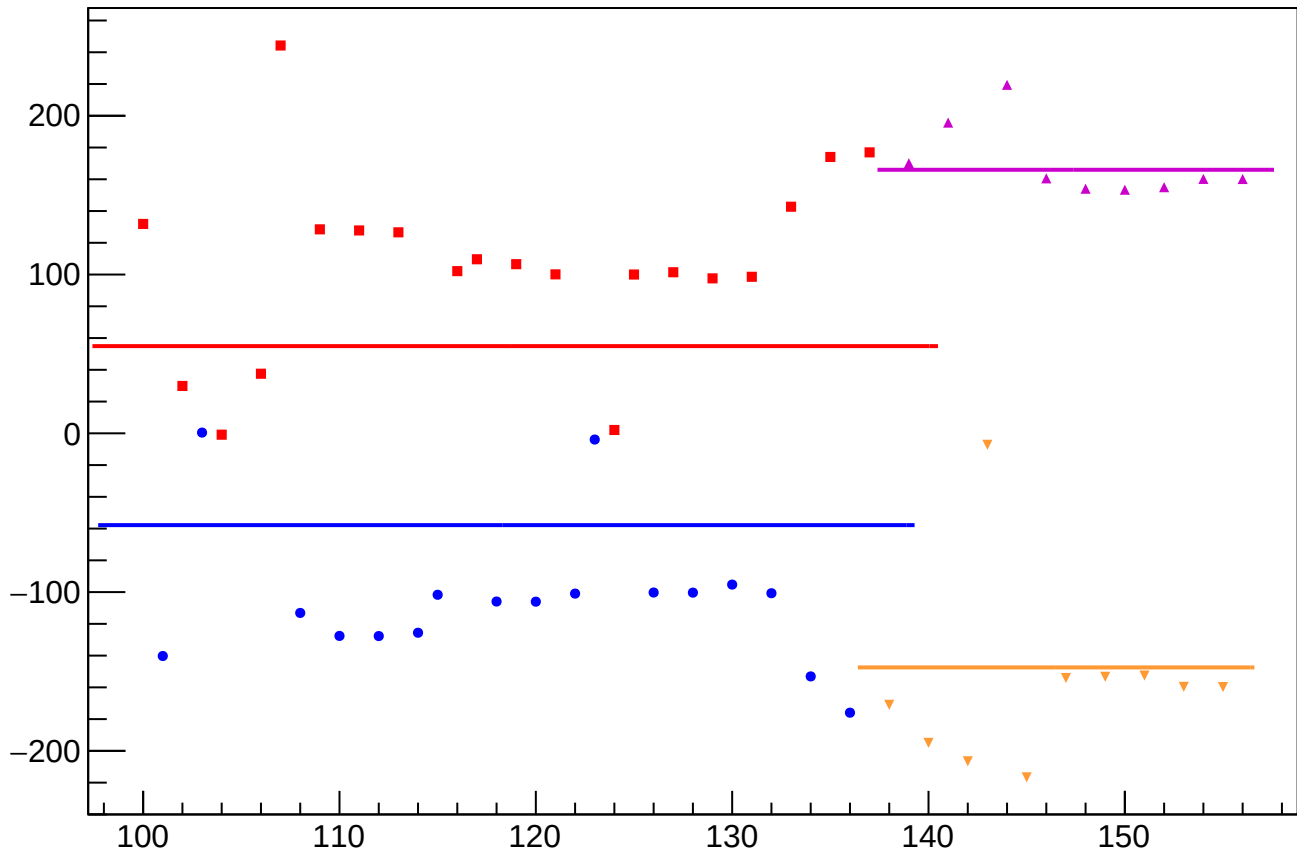
Left In: -55.615+/-1.605 χ^2/NDF : 171.9/8

45.190+/-0.974 χ^2/NDF : 1086.5/26

2.340+/-0.693 χ^2/NDF : 5854.8/55

-41.556+/-0.986 χ^2/NDF : 848.1/28

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -57.821 +/- 0.062 χ^2/NDF : 1101296.2/16

Left Out: -147.439 +/- 0.077 χ^2/NDF : 574778.4/9

Right Out: 54.915 +/- 0.060 χ^2/NDF : 1001968.3/19

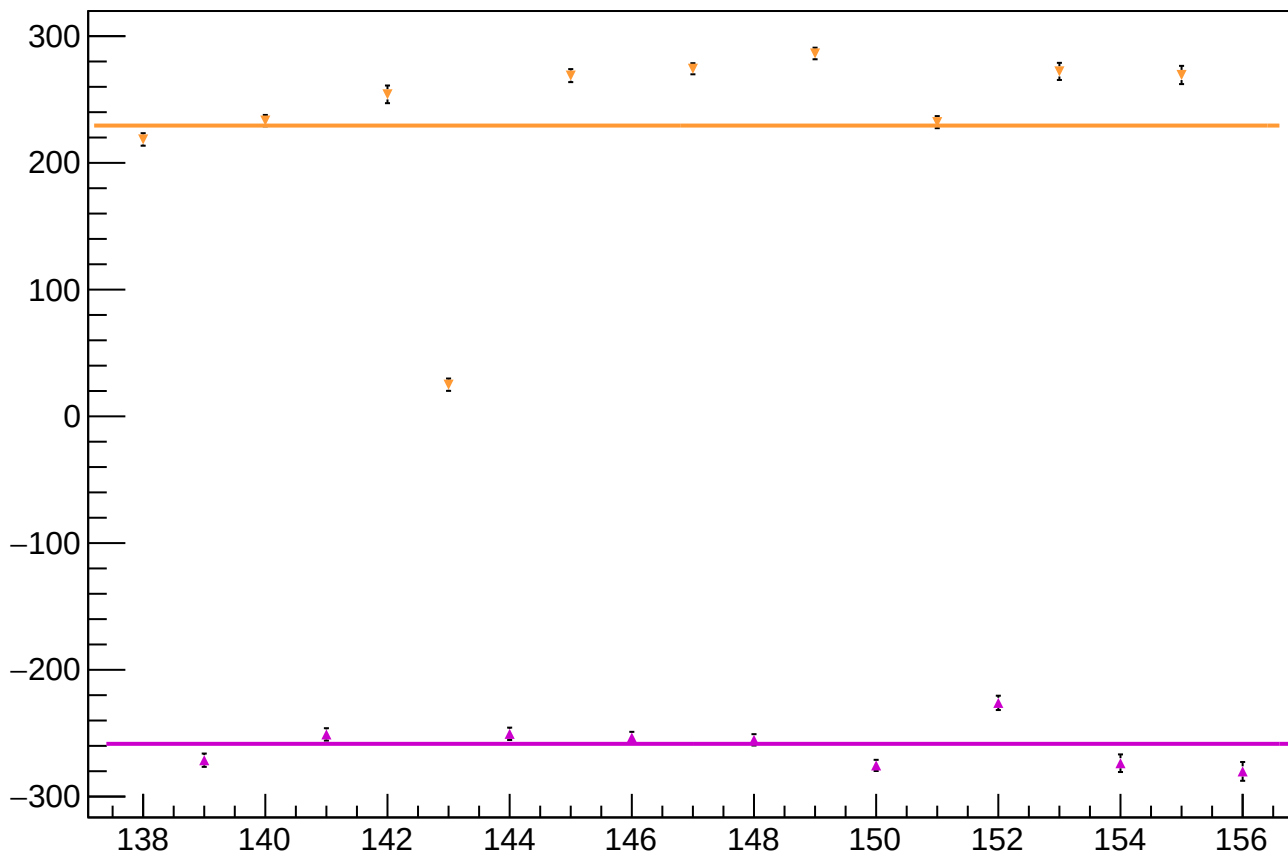
Left In: 165.985 +/- 0.078 χ^2/NDF : 56306.5/8

-93.130 +/- 0.048 χ^2/NDF : 2504910.5/26

2.231 +/- 0.034 χ^2/NDF : 12627901.1/55

96.133 +/- 0.048 χ^2/NDF : 2322071.4/28

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 229.443+/-1.630 χ^2/NDF : 2169.6/9

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

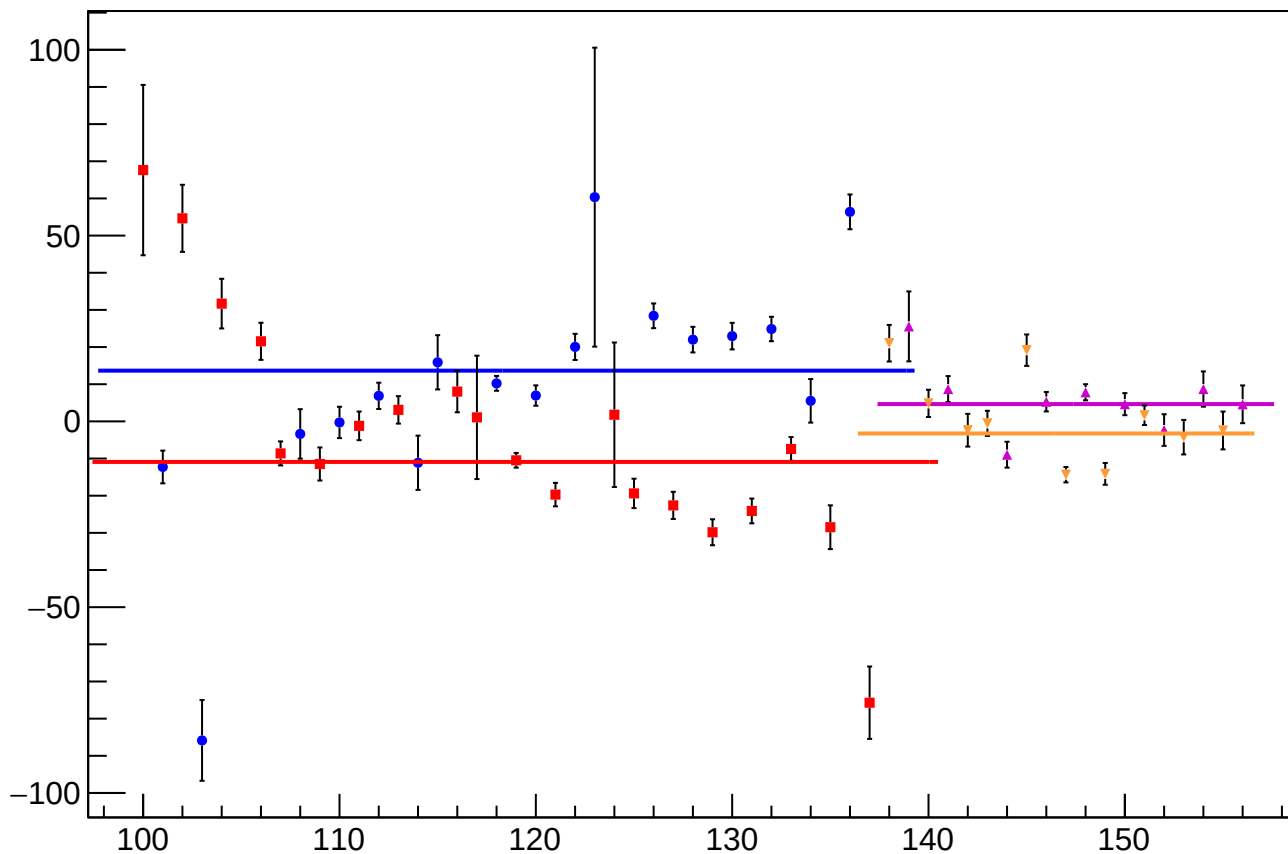
Left In: -258.395+/-1.713 χ^2/NDF : 73.7/8

229.443+/-1.630 χ^2/NDF : 2169.6/9

-2.399+/-1.181 χ^2/NDF : 44817.4/18

-258.395+/-1.713 χ^2/NDF : 73.7/8

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 13.652 ± 0.936 χ^2/NDF : 294.0/16

Left Out: -3.255 ± 1.061 χ^2/NDF : 103.8/9

Right Out: -10.908 ± 0.912 χ^2/NDF : 303.1/19

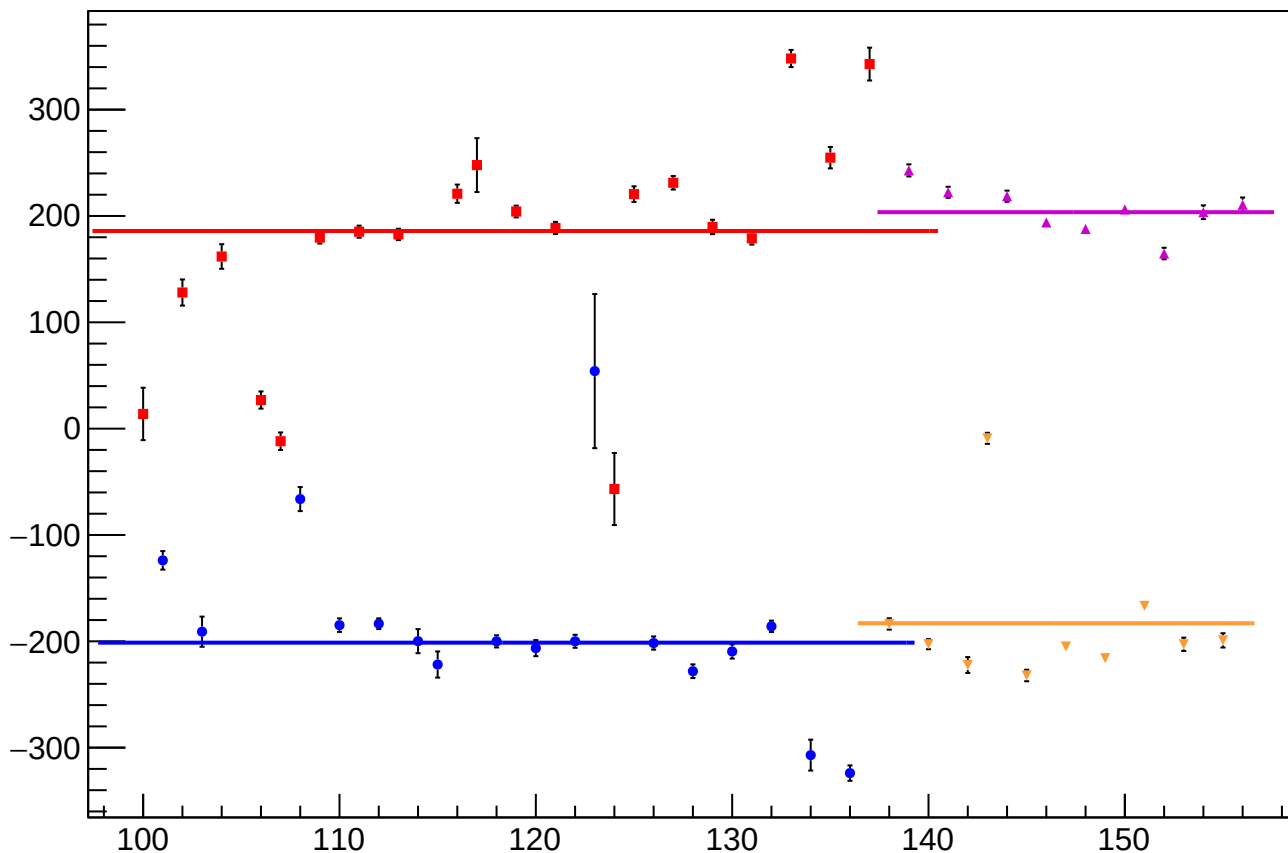
Left In: 4.658 ± 1.129 χ^2/NDF : 27.2/8

6.254 ± 0.702 χ^2/NDF : 540.5/26

0.802 ± 0.499 χ^2/NDF : 1107.7/55

-4.760 ± 0.709 χ^2/NDF : 445.4/28

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -201.266 ± 1.795 χ^2/NDF : 623.4/16

Left Out: -183.020 ± 1.626 χ^2/NDF : 1361.8/9

Right Out: 185.871 ± 1.695 χ^2/NDF : 1752.0/19

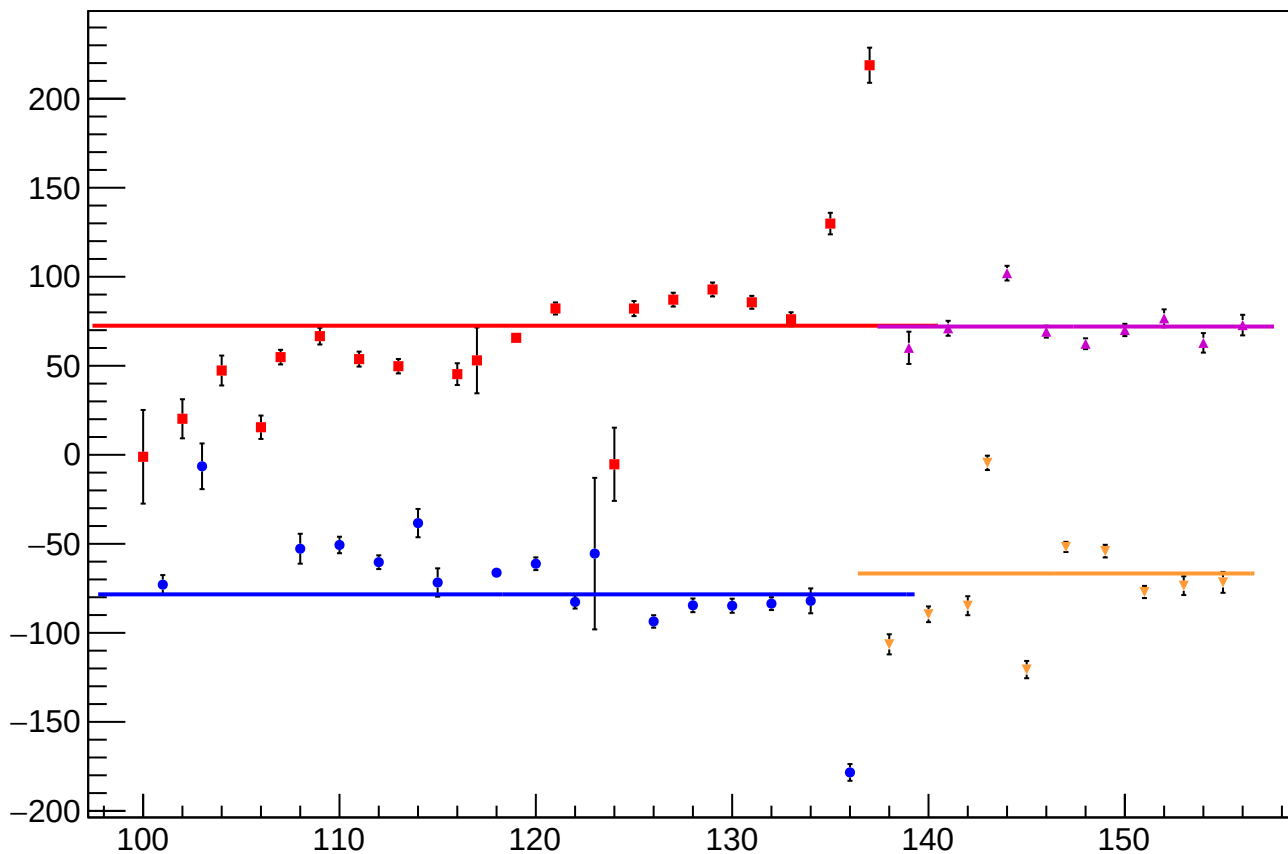
Left In: 203.579 ± 1.682 χ^2/NDF : 140.9/8

-191.243 ± 1.205 χ^2/NDF : 2041.9/26

3.580 ± 0.848 χ^2/NDF : 55759.3/55

194.796 ± 1.194 χ^2/NDF : 1947.9/28

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -78.376 ± 1.081 χ^2/NDF : 651.4/16

Left Out: -66.650 ± 1.321 χ^2/NDF : 498.3/9

Right Out: 72.514 ± 1.050 χ^2/NDF : 607.0/19

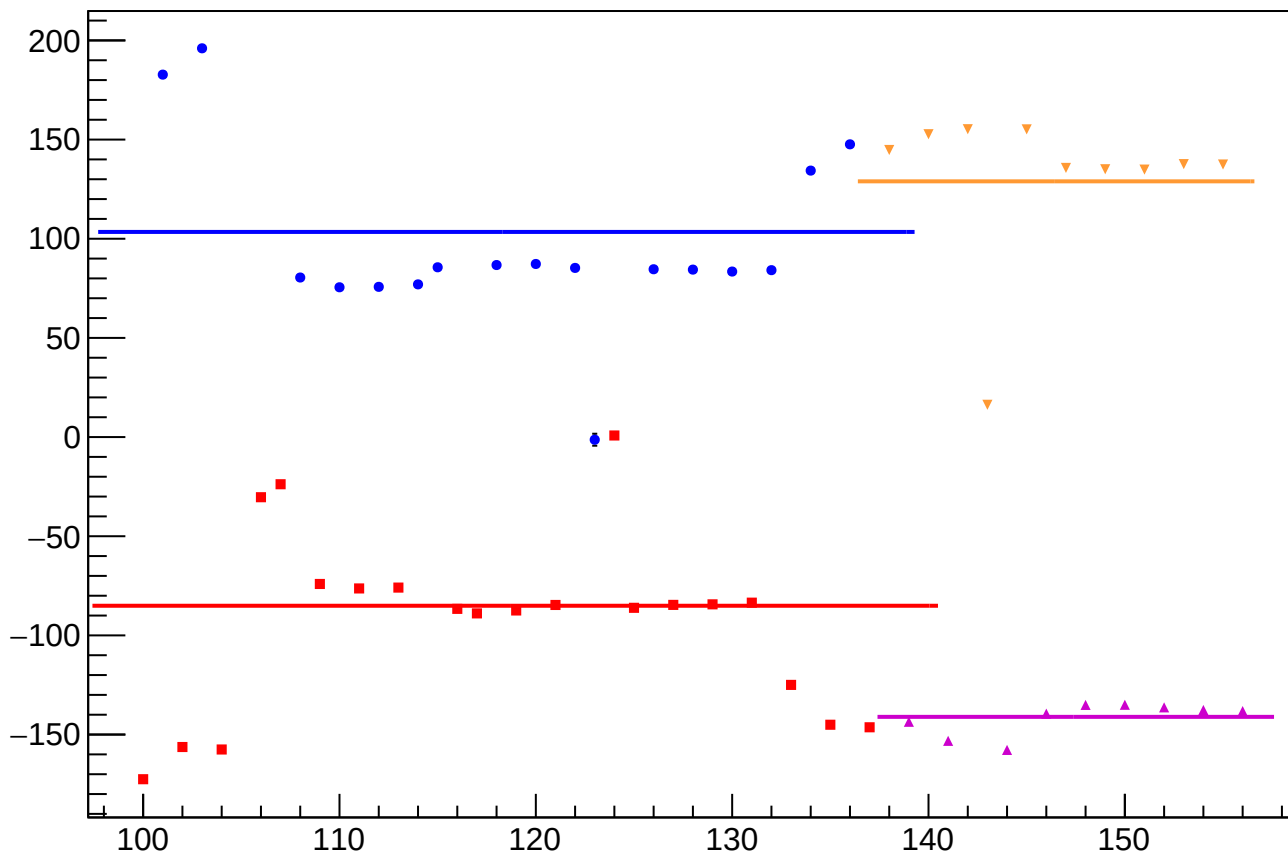
Left In: 72.035 ± 1.398 χ^2/NDF : 69.4/8

-73.673 ± 0.837 χ^2/NDF : 1196.8/26

-0.897 ± 0.593 χ^2/NDF : 17046.6/55

72.341 ± 0.840 χ^2/NDF : 676.4/28

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 103.436+/-0.071 χ^2/NDF : 272785.6/16

Left Out: 128.945+/-0.067 χ^2/NDF : 340972.3/9

Right Out: -85.054+/-0.064 χ^2/NDF : 422354.0/19

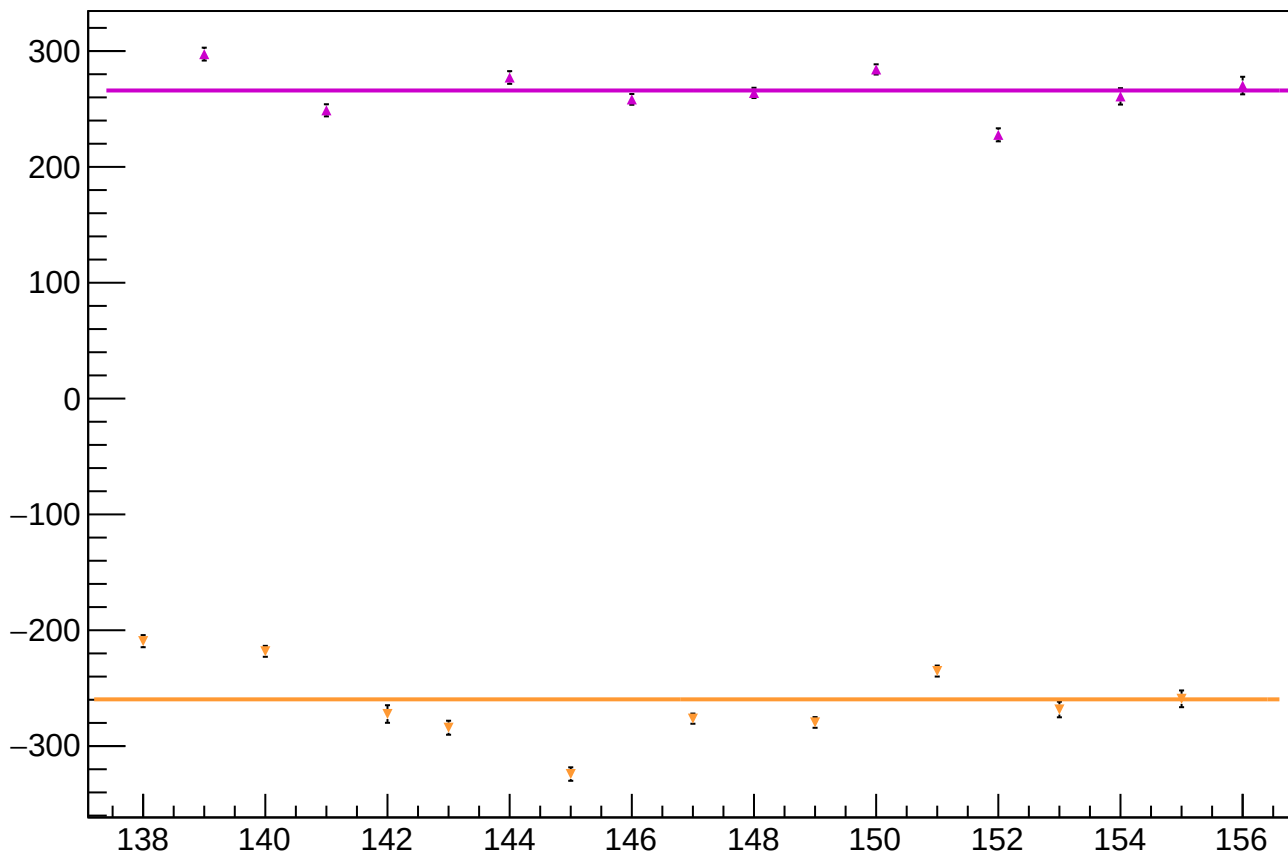
Left In: -141.075+/-0.068 χ^2/NDF : 12087.6/8

116.867+/-0.049 χ^2/NDF : 681953.5/26

-2.626+/-0.034 χ^2/NDF : 12933957.5/55

-111.187+/-0.046 χ^2/NDF : 795856.1/28

reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -259.647+/-1.716 χ^2/NDF : 372.0/9

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

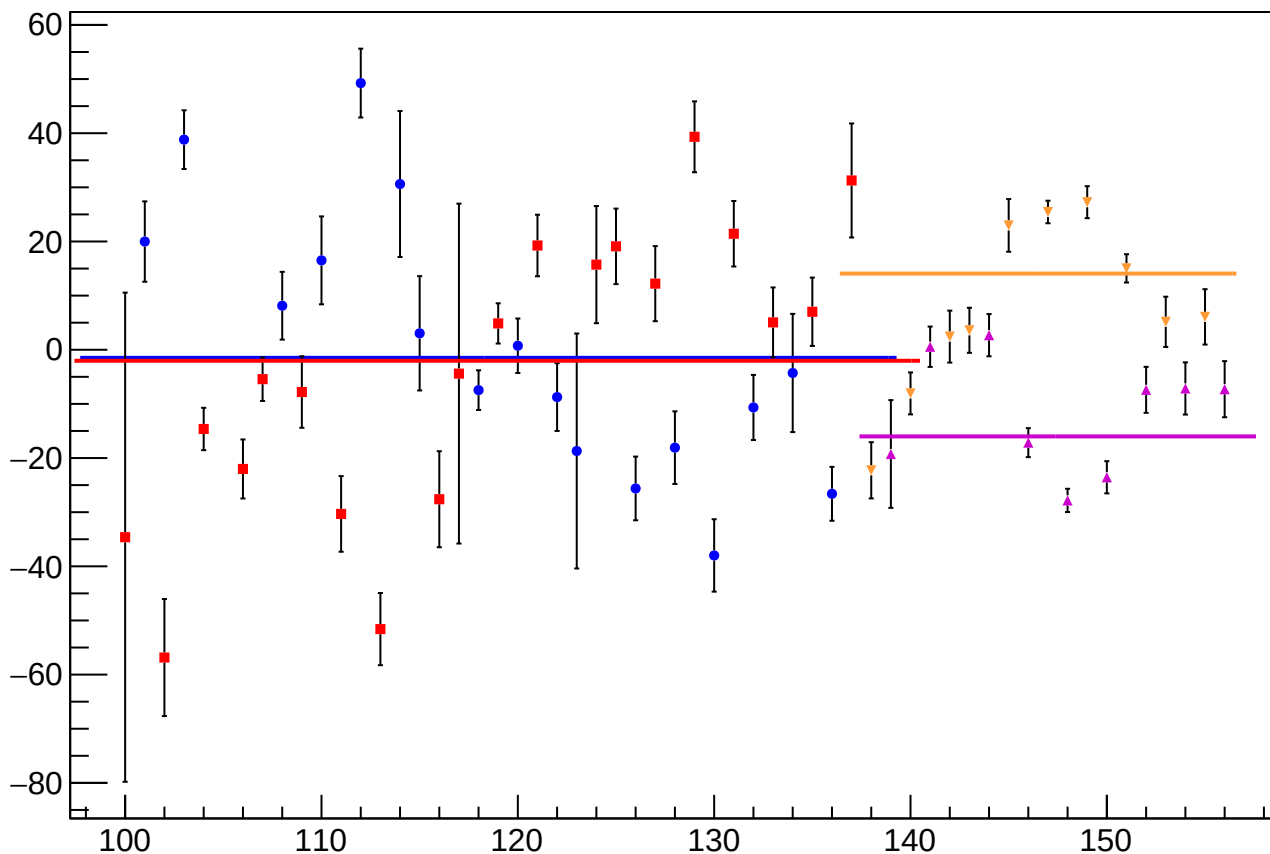
Left In: 265.965+/-1.767 χ^2/NDF : 113.8/8

-259.647+/-1.716 χ^2/NDF : 372.0/9

-4.638+/-1.231 χ^2/NDF : 46014.9/18

265.965+/-1.767 χ^2/NDF : 113.8/8

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.490 ± 1.536 χ^2/NDF : 226.0/16

Left Out: 14.071 ± 1.102 χ^2/NDF : 153.2/9

Right Out: -2.032 ± 1.398 χ^2/NDF : 233.3/19

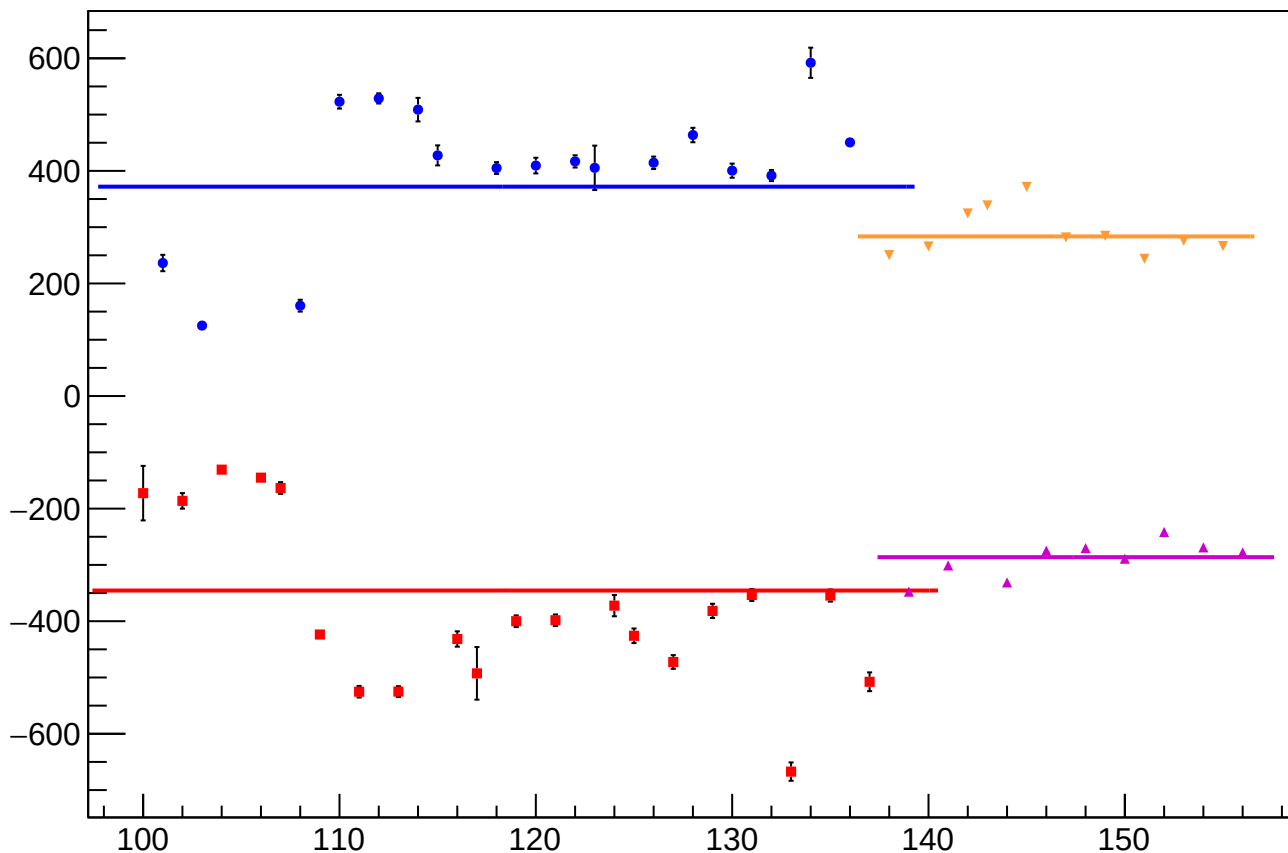
Left In: -16.006 ± 1.153 χ^2/NDF : 90.0/8

8.784 ± 0.895 χ^2/NDF : 446.9/26

-0.847 ± 0.631 χ^2/NDF : 1059.5/55

-10.350 ± 0.890 χ^2/NDF : 382.8/28

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 371.975 +/- 2.778 χ^2/NDF : 2432.6/16

Left Out: 283.555 +/- 1.700 χ^2/NDF : 437.9/9

Right Out: -345.485 +/- 2.558 χ^2/NDF : 3425.1/19

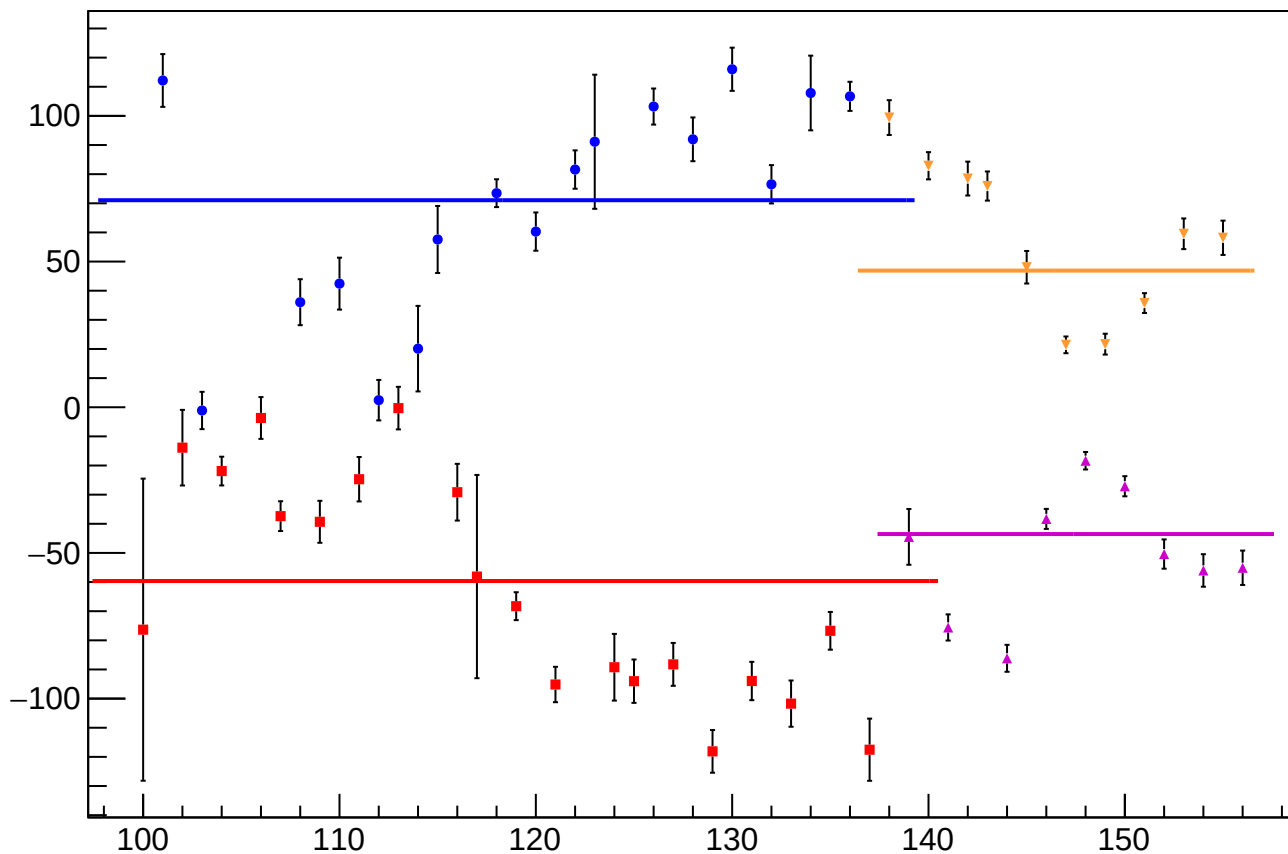
Left In: -286.226 +/- 1.729 χ^2/NDF : 268.8/8

307.652 +/- 1.450 χ^2/NDF : 3607.6/26

-2.346 +/- 1.019 χ^2/NDF : 97964.1/55

-304.801 +/- 1.432 χ^2/NDF : 4062.3/28

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 71.056 $\pm$ 1.764 χ^2/NDF : 426.2/16

Left Out: 46.902 $\pm$ 1.379 χ^2/NDF : 348.7/9

Right Out: -59.634 $\pm$ 1.629 χ^2/NDF : 491.6/19

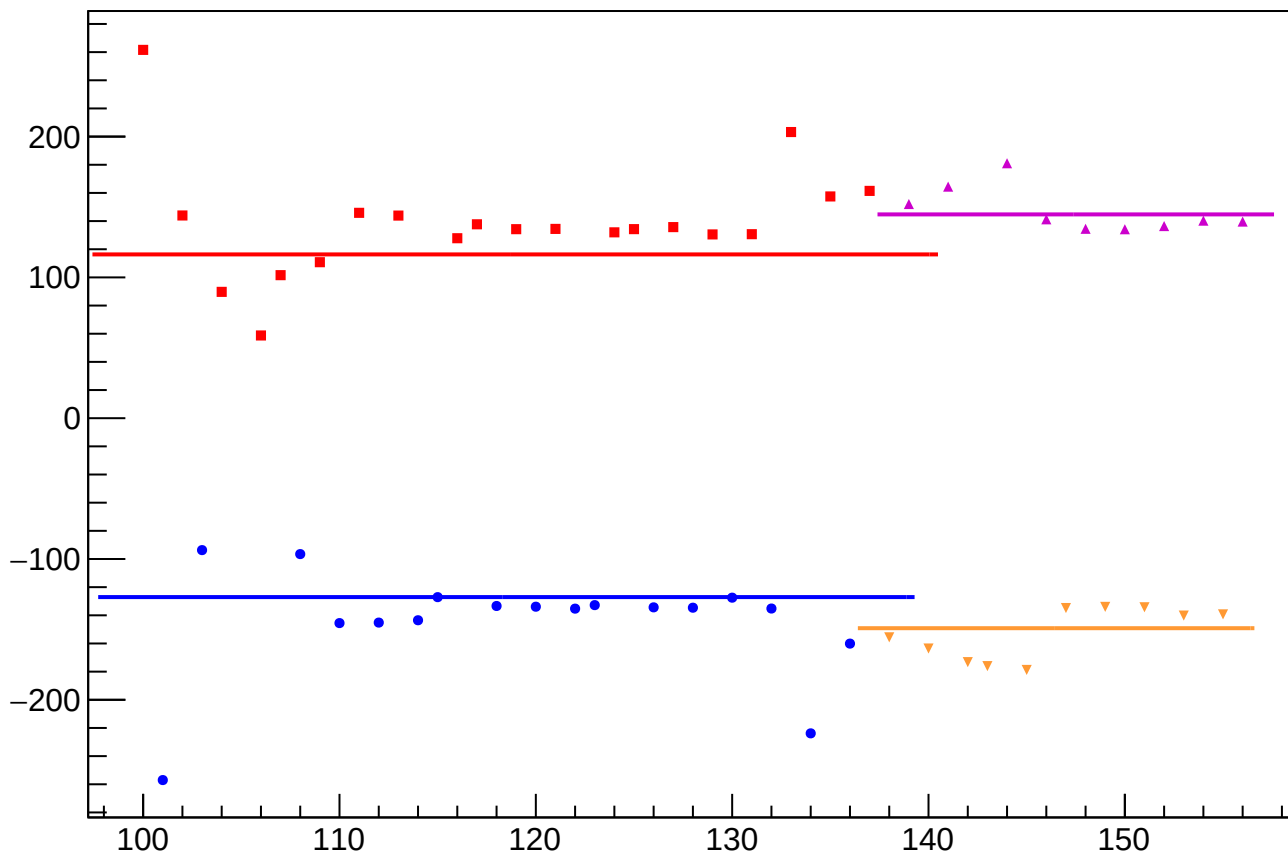
Left In: -43.518 $\pm$ 1.433 χ^2/NDF : 241.8/8

56.059 $\pm$ 1.086 χ^2/NDF : 891.3/26

2.247 $\pm$ 0.764 χ^2/NDF : 6542.2/55

-50.545 $\pm$ 1.076 χ^2/NDF : 788.6/28

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -127.049+/-0.090 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

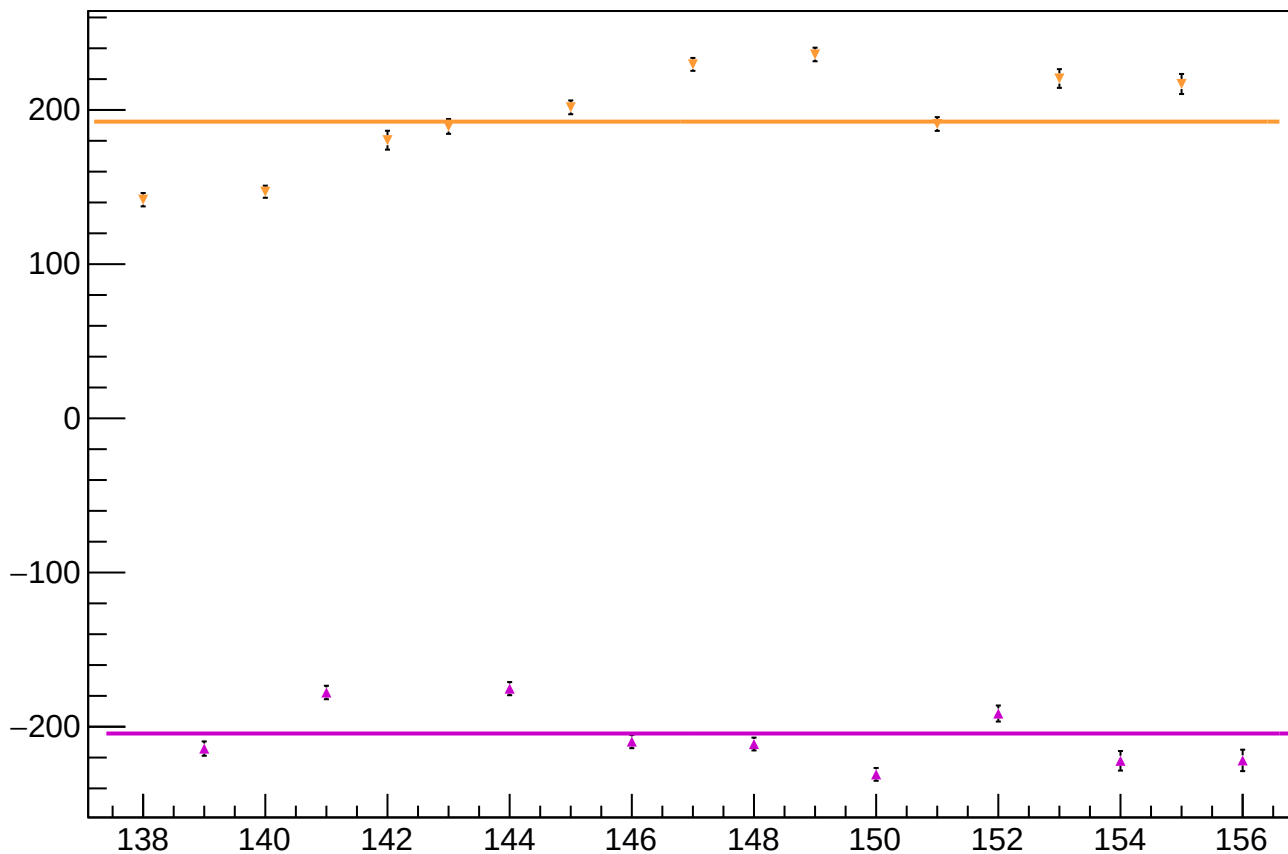
Left In: 144.746+/-0.070 χ^2/NDF : 38536.1/8

-140.715+/-0.055 χ^2/NDF : 262048.2/26

1.062+/-0.038 χ^2/NDF : 13151934.2/55

132.925+/-0.053 χ^2/NDF : 274343.8/28

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: 192.439 ± 1.497 χ^2/NDF : 489.0/9

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

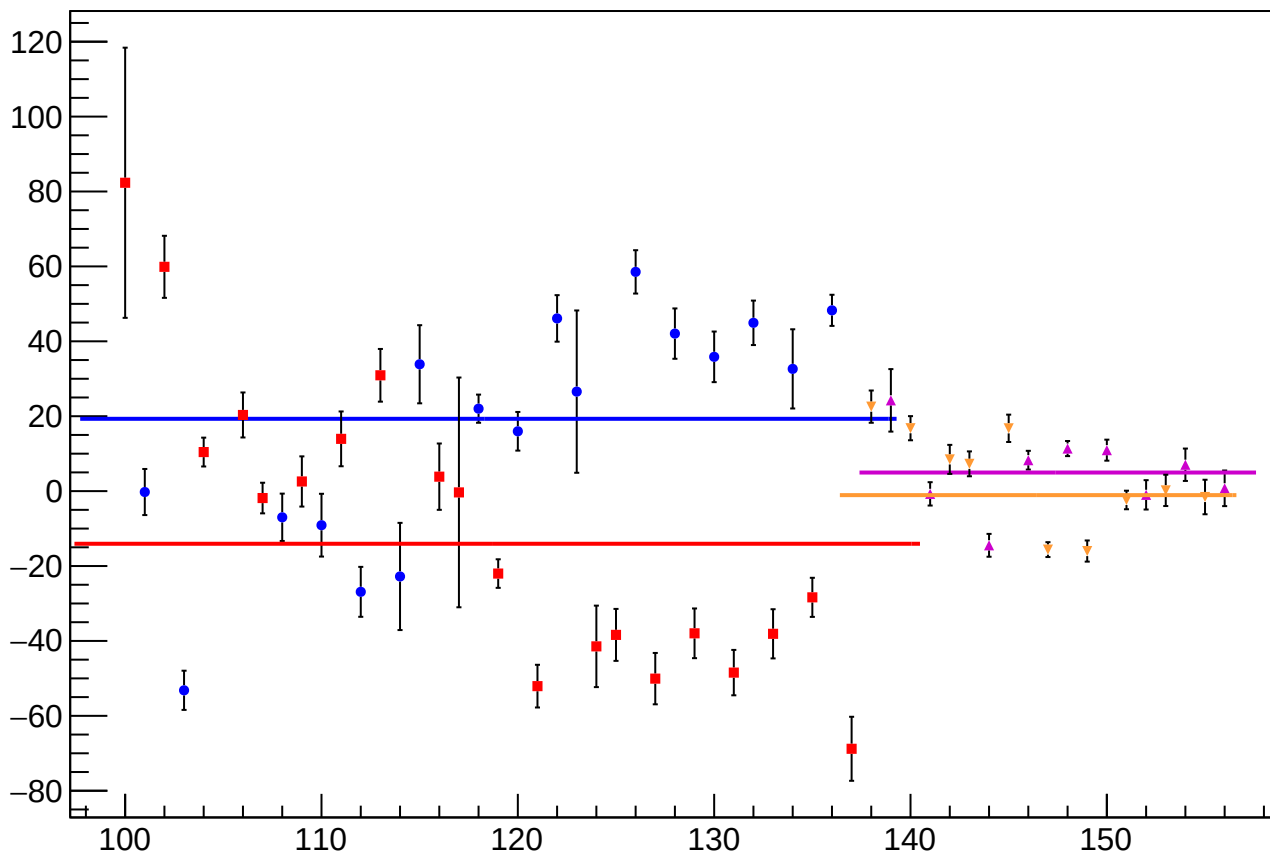
Left In: -204.397 ± 1.571 χ^2/NDF : 152.9/8

192.439 ± 1.497 χ^2/NDF : 489.0/9

3.491 ± 1.084 χ^2/NDF : 34088.5/18

-204.397 ± 1.571 χ^2/NDF : 152.9/8

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.308 ± 1.500 χ^2/NDF : 441.3/16

Left Out: -1.070 ± 0.986 χ^2/NDF : 179.1/9

Right Out: -14.055 ± 1.388 χ^2/NDF : 437.1/19

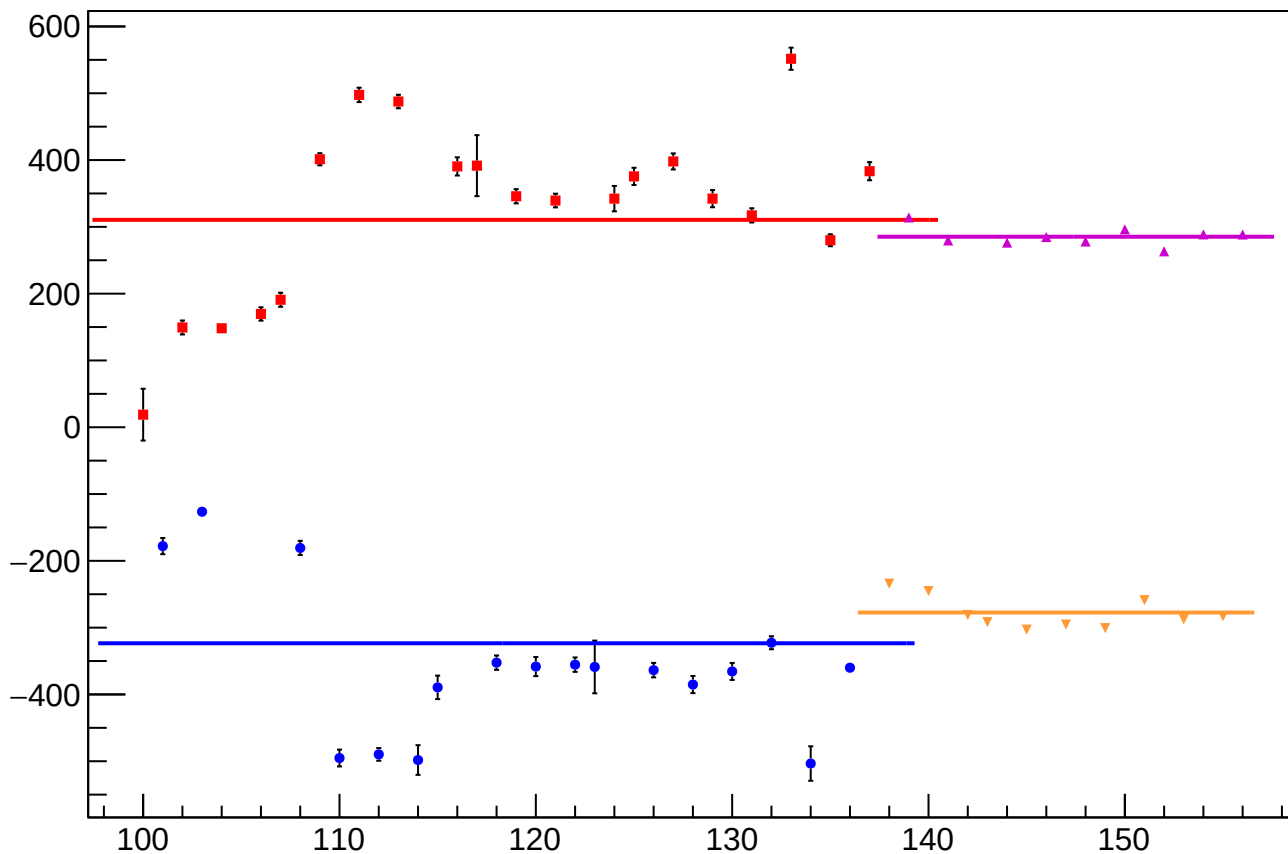
Left In: 4.963 ± 1.043 χ^2/NDF : 68.9/8

5.075 ± 0.824 χ^2/NDF : 749.2/26

1.631 ± 0.586 χ^2/NDF : 1410.6/55

-1.896 ± 0.834 χ^2/NDF : 626.0/28

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -323.402 $\pm$ 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

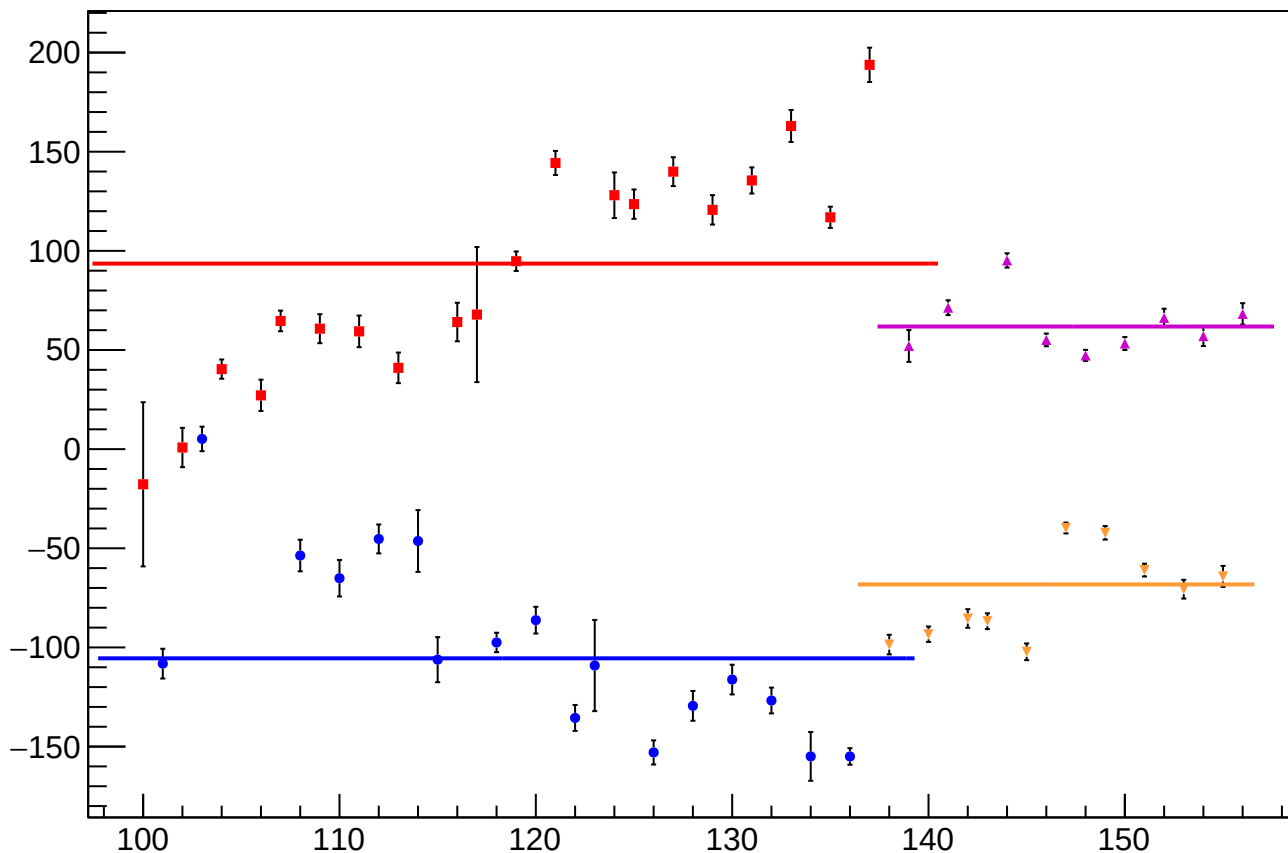
Left In: 285.232 $\pm$ 1.547 χ^2 /NDF: 69.1/8

-288.298 $\pm$ 1.309 χ^2 /NDF: 2330.4/26

-0.267 $\pm$ 0.929 χ^2 /NDF: 102409.2/55

292.147 $\pm$ 1.318 χ^2 /NDF: 2444.1/28

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -105.496 ± 1.712 χ^2/NDF : 737.3/16

Left Out: -68.223 ± 1.224 χ^2/NDF : 351.7/9

Right Out: 93.579 ± 1.608 χ^2/NDF : 827.7/19

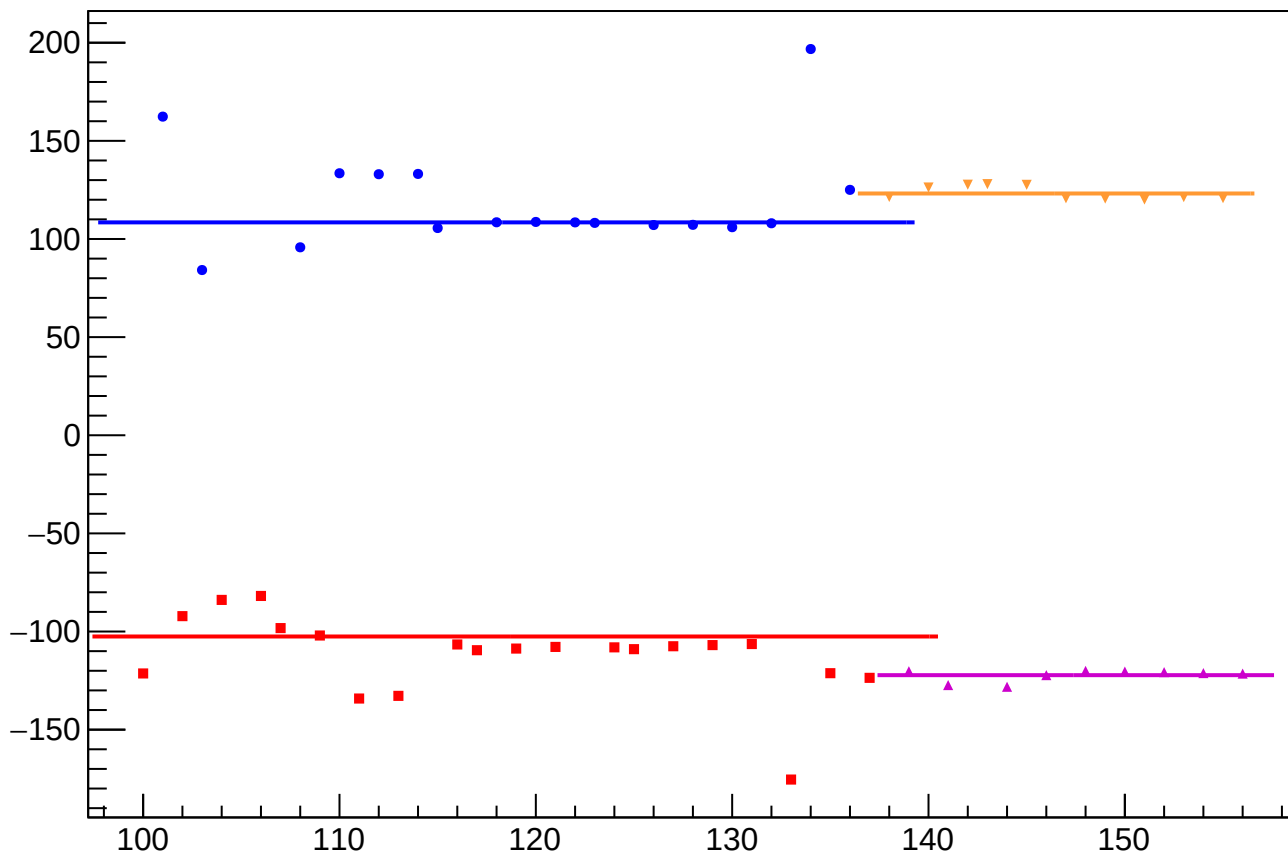
Left In: 61.839 ± 1.290 χ^2/NDF : 134.3/8

-80.834 ± 0.996 χ^2/NDF : 1402.6/26

-4.089 ± 0.708 χ^2/NDF : 14604.4/55

74.260 ± 1.006 χ^2/NDF : 1199.0/28

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 108.460 ± 0.085 χ^2/NDF : 73301.9/16

Left Out: 123.181 ± 0.062 χ^2/NDF : 2620.6/9

Right Out: -102.532 ± 0.079 χ^2/NDF : 53003.2/19

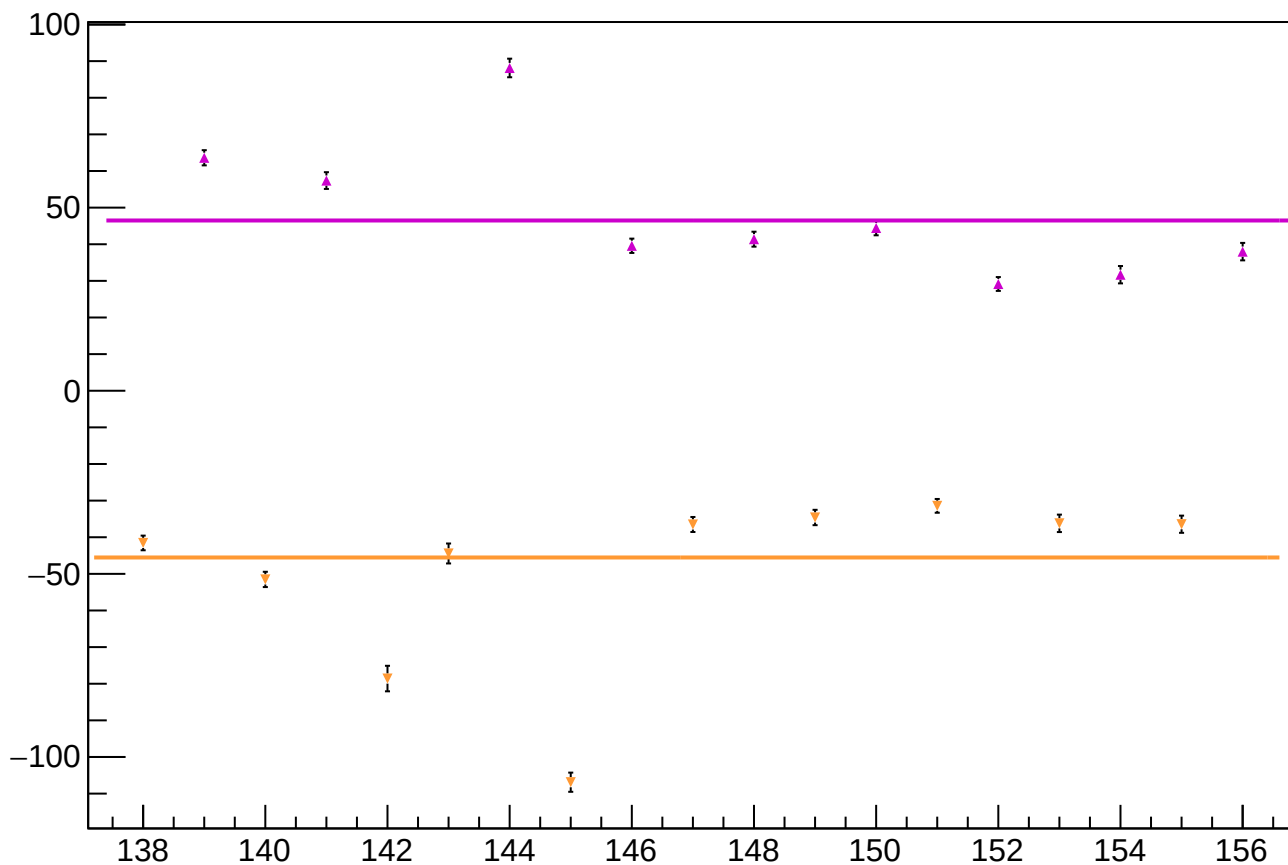
Left In: -122.232 ± 0.062 χ^2/NDF : 2122.3/8

118.090 ± 0.050 χ^2/NDF : 95545.4/26

-0.320 ± 0.035 χ^2/NDF : 11220836.8/55

-114.707 ± 0.049 χ^2/NDF : 93084.5/28

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -45.527+/-0.716 χ^2/NDF : 784.0/9

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

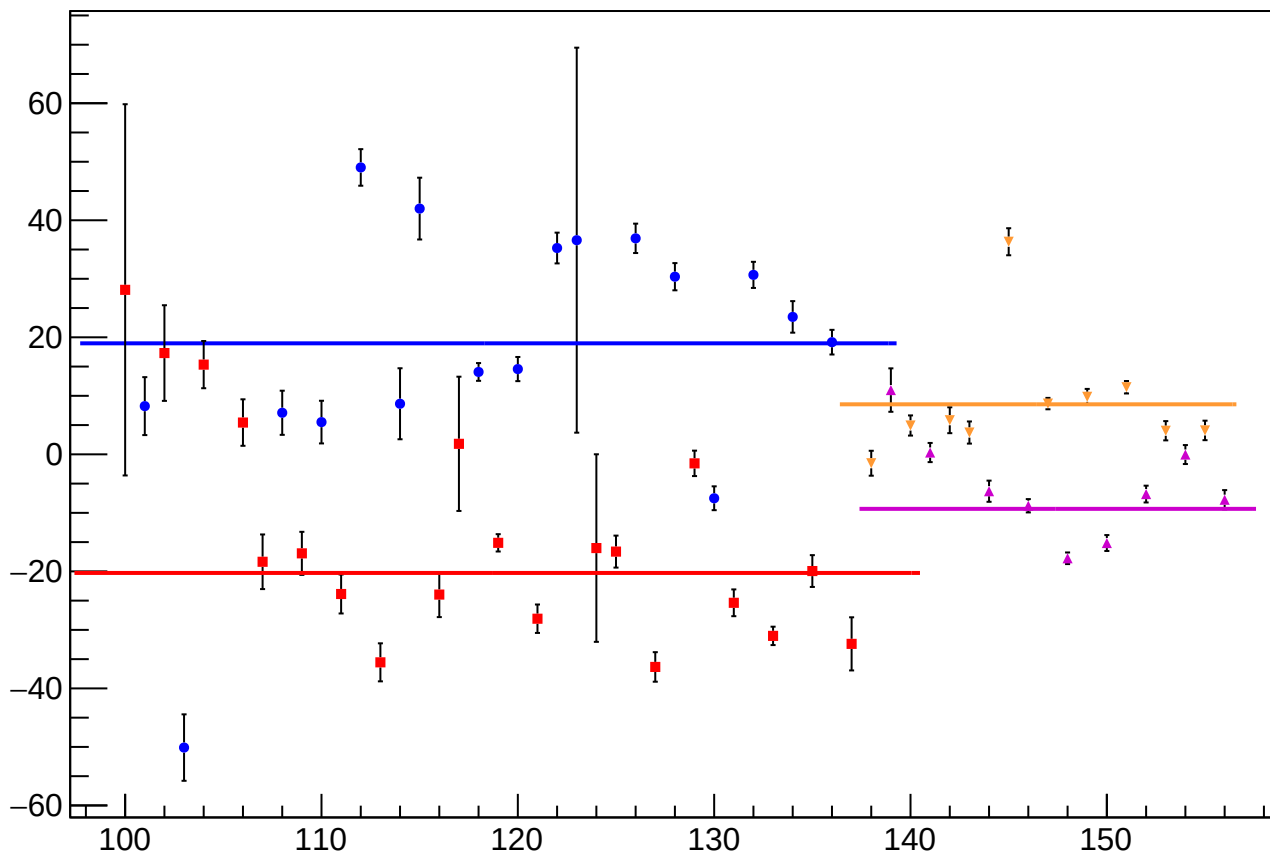
Left In: 46.487+/-0.714 χ^2/NDF : 515.6/8

-45.527+/-0.716 χ^2/NDF : 784.0/9

0.647+/-0.506 χ^2/NDF : 9576.5/18

46.487+/-0.714 χ^2/NDF : 515.6/8

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.970 ± 0.653 χ^2/NDF : 618.4/16

Left Out: 8.549 ± 0.474 χ^2/NDF : 202.5/9

Right Out: -20.269 ± 0.641 χ^2/NDF : 370.1/19

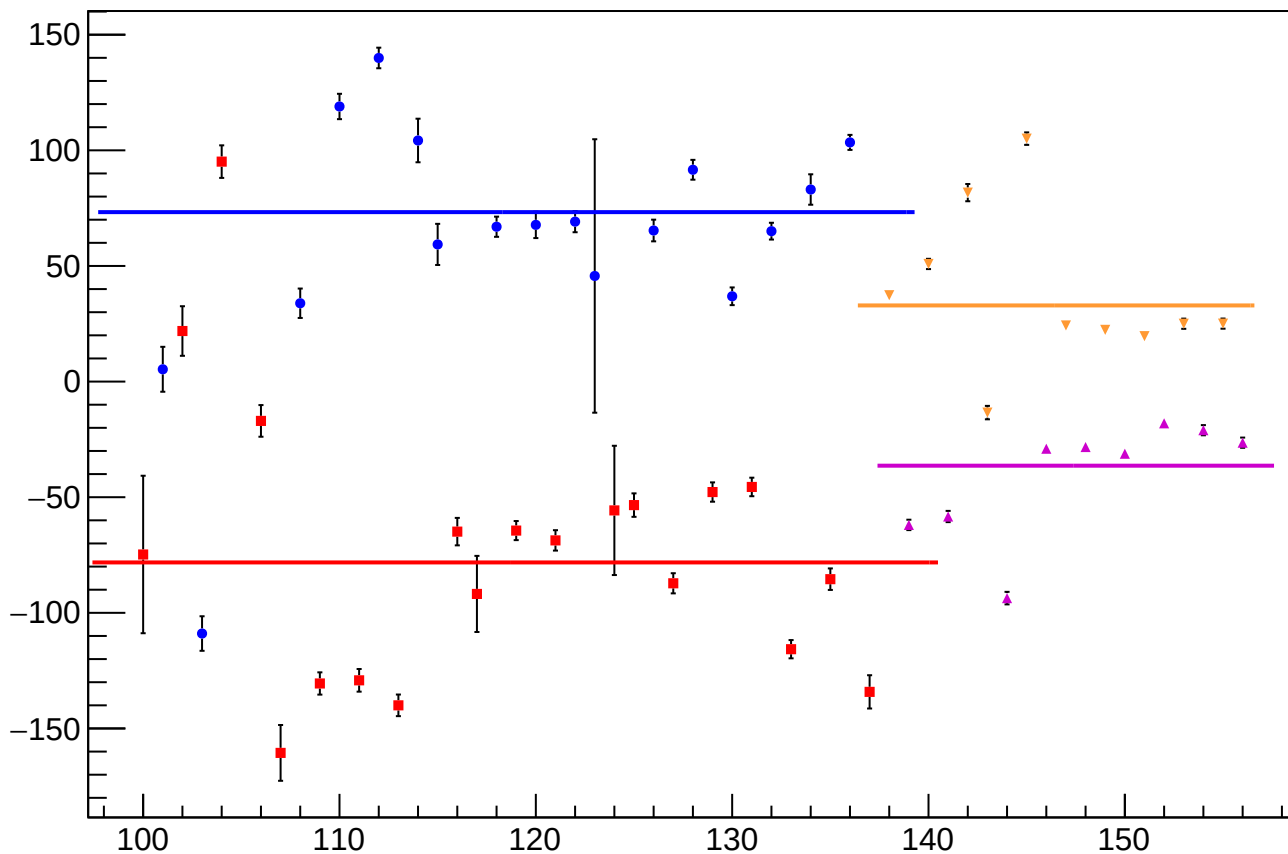
Left In: -9.317 ± 0.482 χ^2/NDF : 195.1/8

12.148 ± 0.384 χ^2/NDF : 987.6/26

-0.517 ± 0.272 χ^2/NDF : 3925.0/55

-13.266 ± 0.385 χ^2/NDF : 751.7/28

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 73.278+/-1.236 χ^2 /NDF: 1198.6/16

Left Out: 32.930+/-0.708 χ^2 /NDF:1335.5/9

Right Out: -78.205+/-1.219 χ^2 /NDF: 1544.0/19

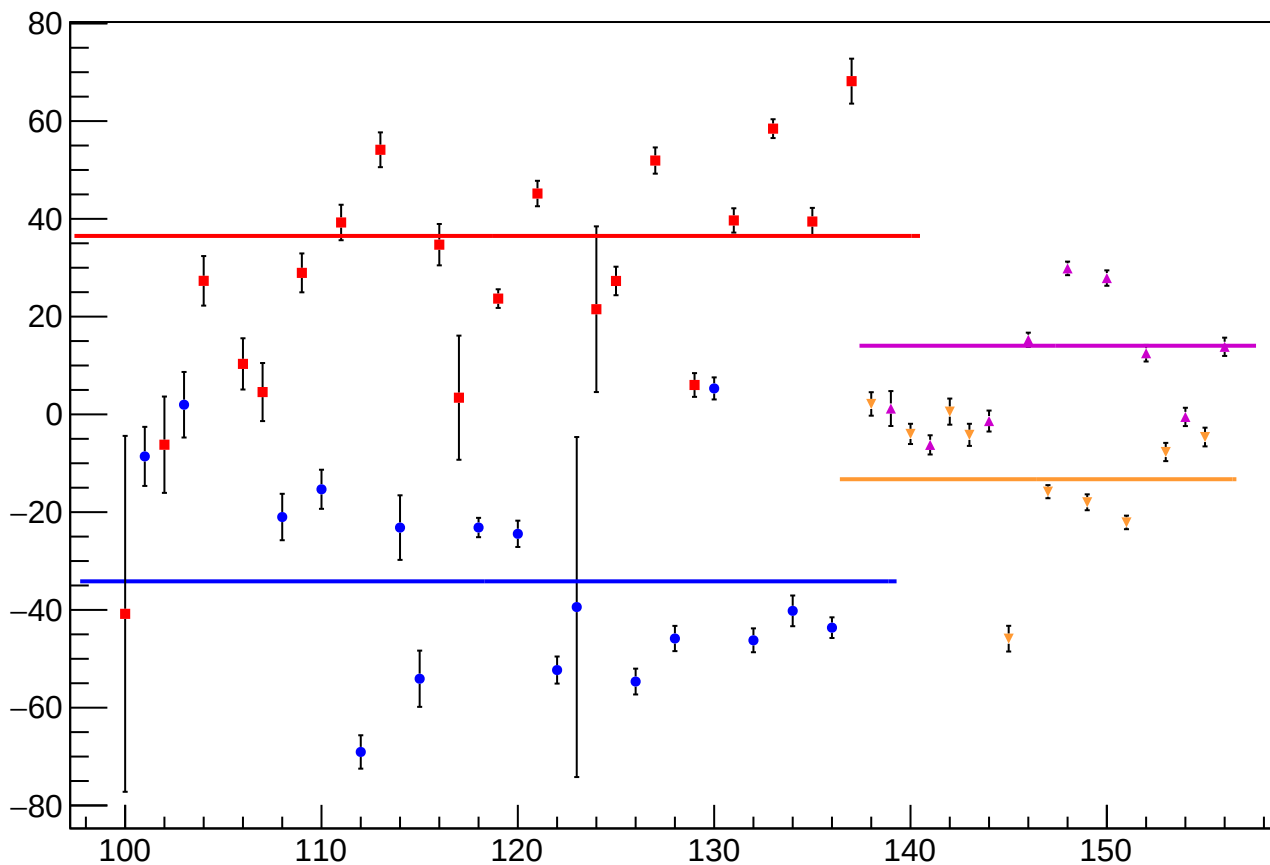
Left In: -36.368+/-0.697 χ^2 /NDF:868.4/8

42.889+/-0.614 χ^2 /NDF: 3336.1/26

-2.586+/-0.431 χ^2 /NDF: 17428.0/55

-46.663+/-0.605 χ^2 /NDF: 3300.2/28

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -34.153 ± 0.745 χ^2/NDF : 717.5/16

Left Out: -13.264 ± 0.587 χ^2/NDF : 339.6/9

Right Out: 36.507 ± 0.735 χ^2/NDF : 553.8/19

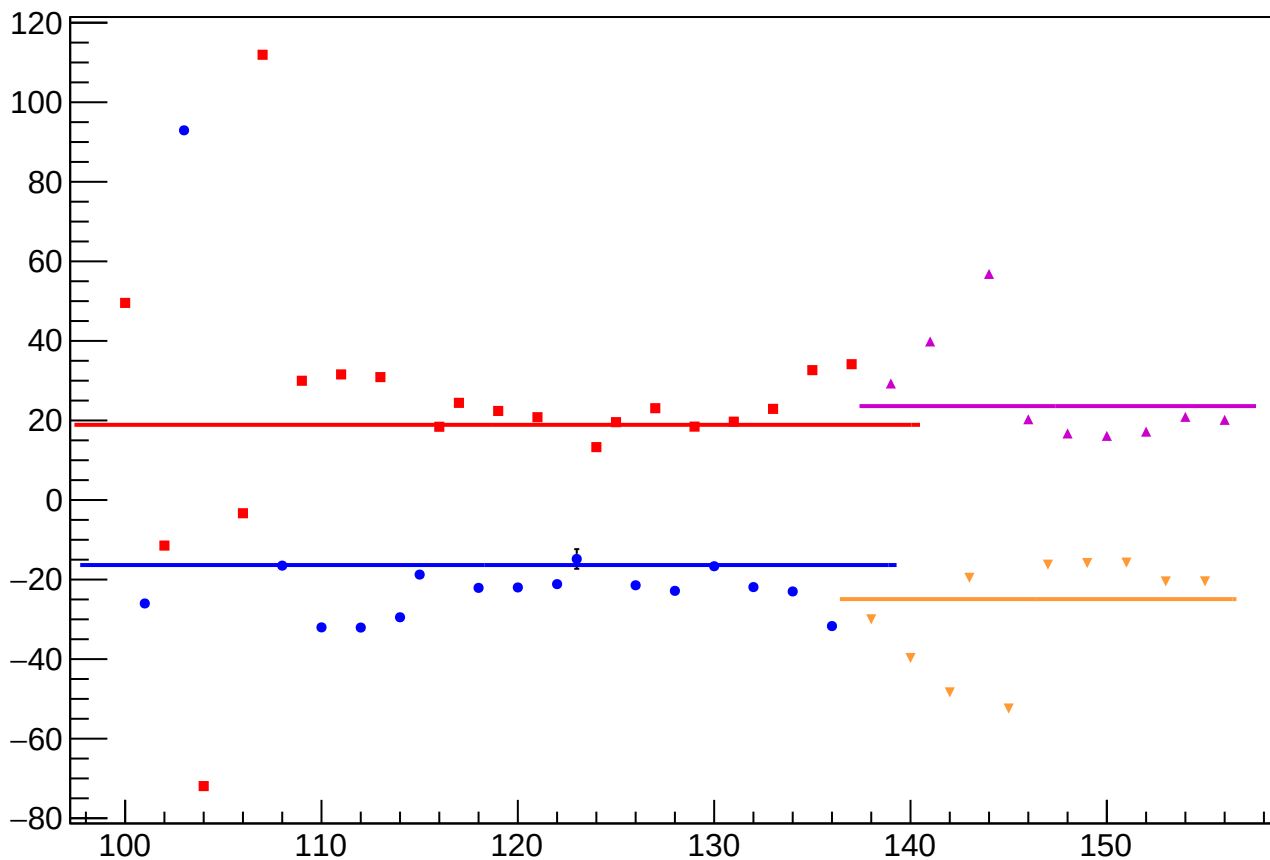
Left In: 14.043 ± 0.591 χ^2/NDF : 440.1/8

-21.269 ± 0.461 χ^2/NDF : 1542.2/26

0.835 ± 0.326 χ^2/NDF : 7692.8/55

22.866 ± 0.460 χ^2/NDF : 1561.9/28

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.349 ± 0.045 $\chi^2/\text{NDF}: 474192.3/16$

Left Out: -24.916 ± 0.029 $\chi^2/\text{NDF}: 160810.5/9$

Right Out: 18.906 ± 0.045 $\chi^2/\text{NDF}: 433847.1/19$

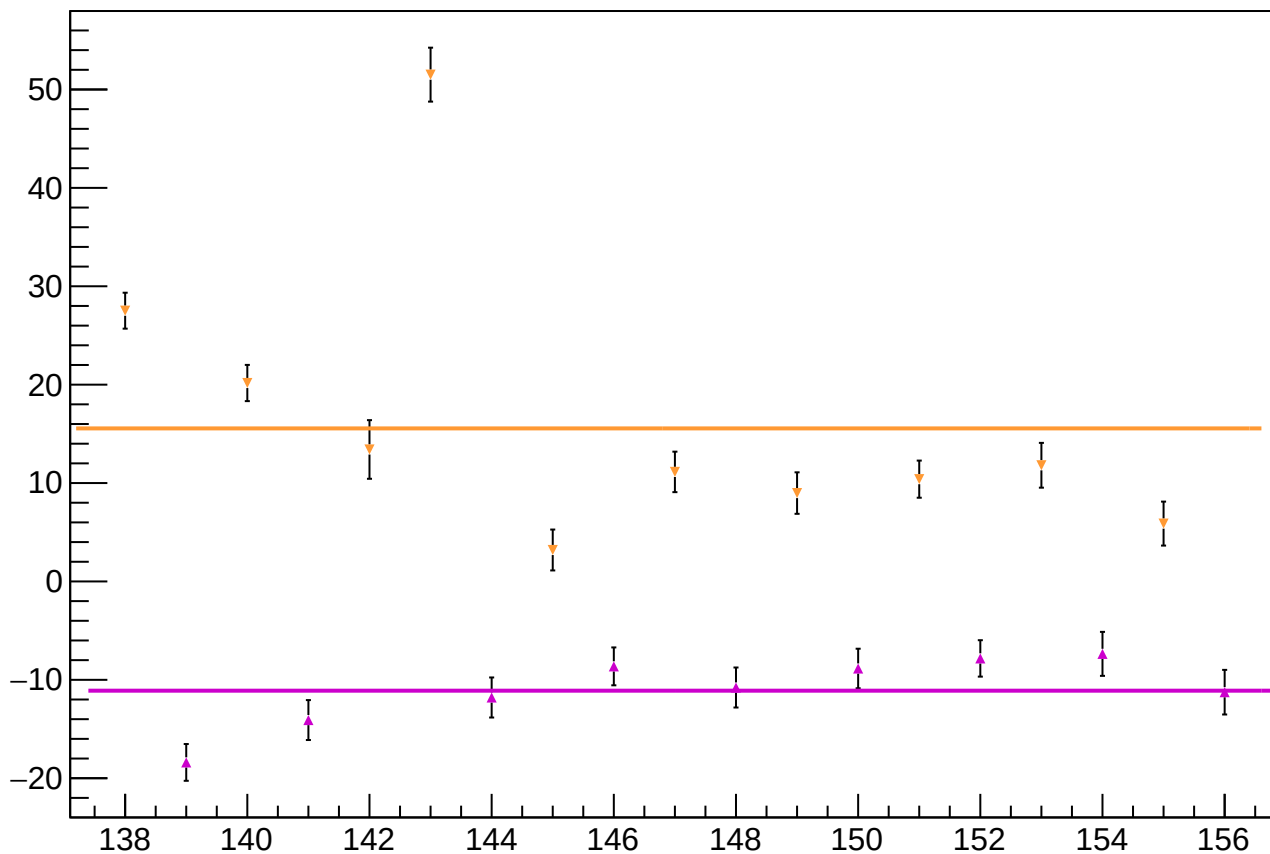
Left In: 23.609 ± 0.028 $\chi^2/\text{NDF}: 139121.9/8$

-22.412 ± 0.024 $\chi^2/\text{NDF}: 661063.6/26$

0.553 ± 0.017 $\chi^2/\text{NDF}: 3006265.2/55$

22.338 ± 0.024 $\chi^2/\text{NDF}: 580864.0/28$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 15.554+/-0.673 χ^2/NDF : 300.3/9

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

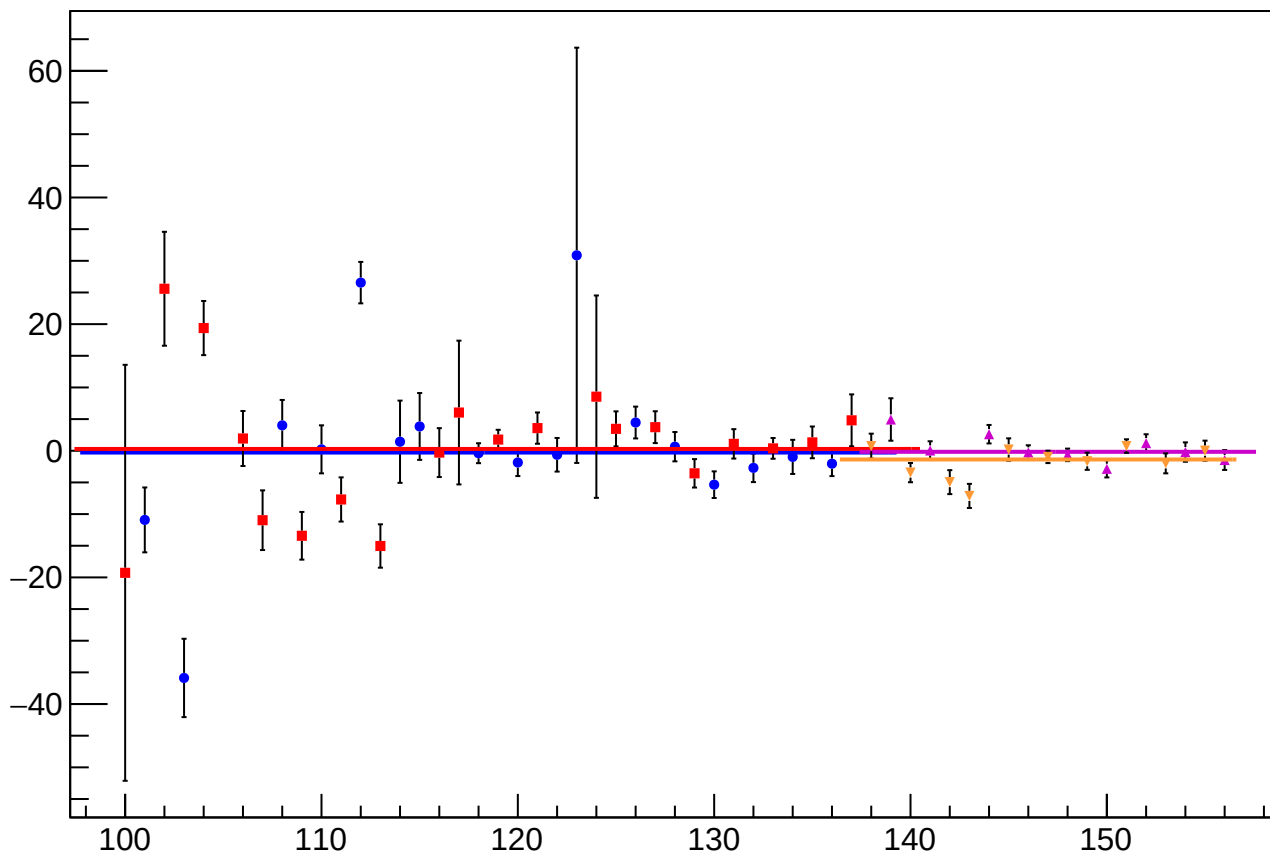
Left In: -11.103+/-0.672 χ^2/NDF : 26.4/8

15.554+/-0.673 χ^2/NDF : 300.3/9

2.198+/-0.475 χ^2/NDF : 1112.5/18

-11.103+/-0.672 χ^2/NDF : 26.4/8

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.280 ± 0.662 χ^2/NDF : 119.5/16

Left Out: -1.378 ± 0.455 χ^2/NDF : 21.5/9

Right Out: 0.289 ± 0.655 χ^2/NDF : 83.4/19

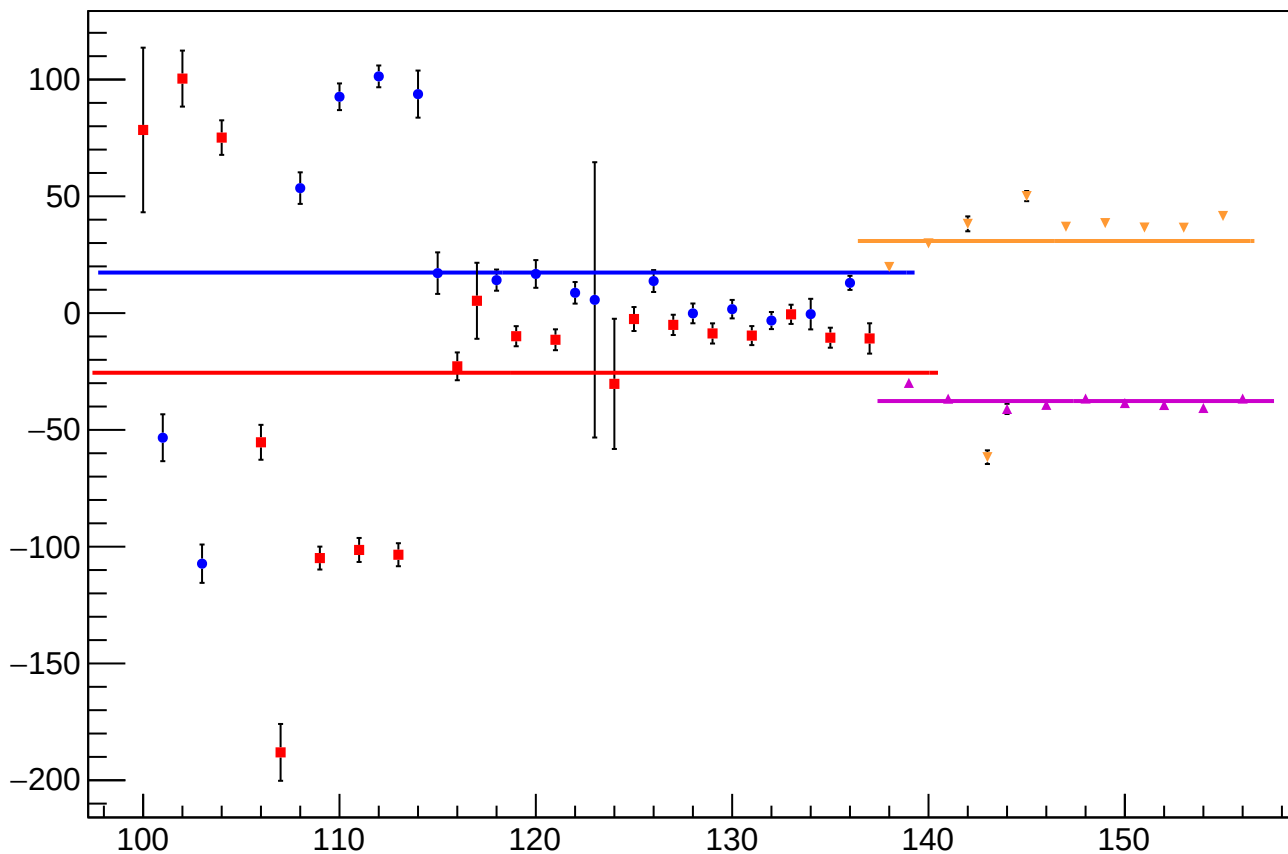
Left In: -0.165 ± 0.460 χ^2/NDF : 11.8/8

-1.026 ± 0.375 χ^2/NDF : 142.9/26

-0.522 ± 0.266 χ^2/NDF : 242.1/55

-0.015 ± 0.377 χ^2/NDF : 95.5/28

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.361 ± 1.247 $\chi^2/\text{NDF}: 943.0/16$

Left Out: 30.873 ± 0.670 $\chi^2/\text{NDF}: 1184.1/9$

Right Out: -25.537 ± 1.239 $\chi^2/\text{NDF}: 1382.4/19$

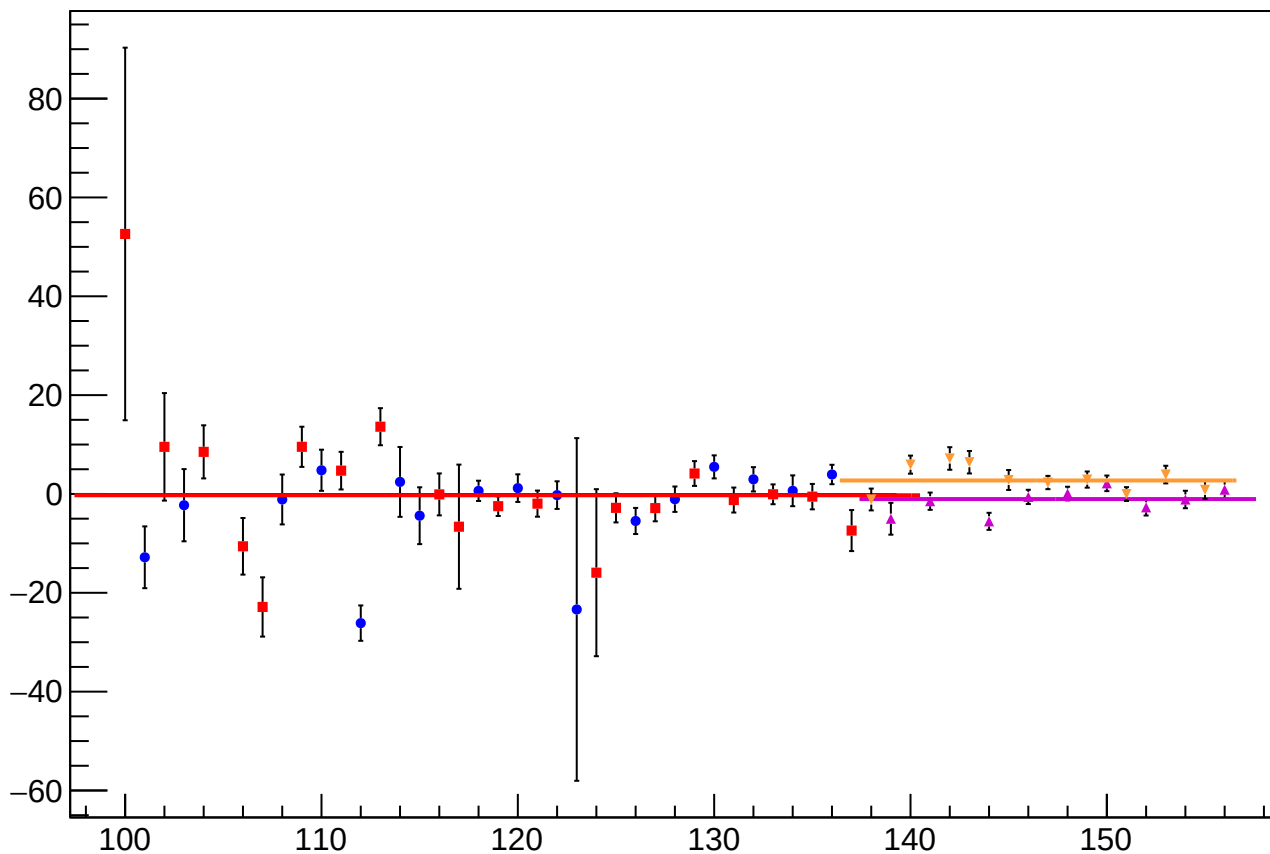
Left In: -37.649 ± 0.660 $\chi^2/\text{NDF}: 21.9/8$

27.847 ± 0.590 $\chi^2/\text{NDF}: 2218.3/26$

-3.984 ± 0.414 $\chi^2/\text{NDF}: 9440.3/55$

-34.976 ± 0.582 $\chi^2/\text{NDF}: 1478.7/28$

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.211 ± 0.752 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

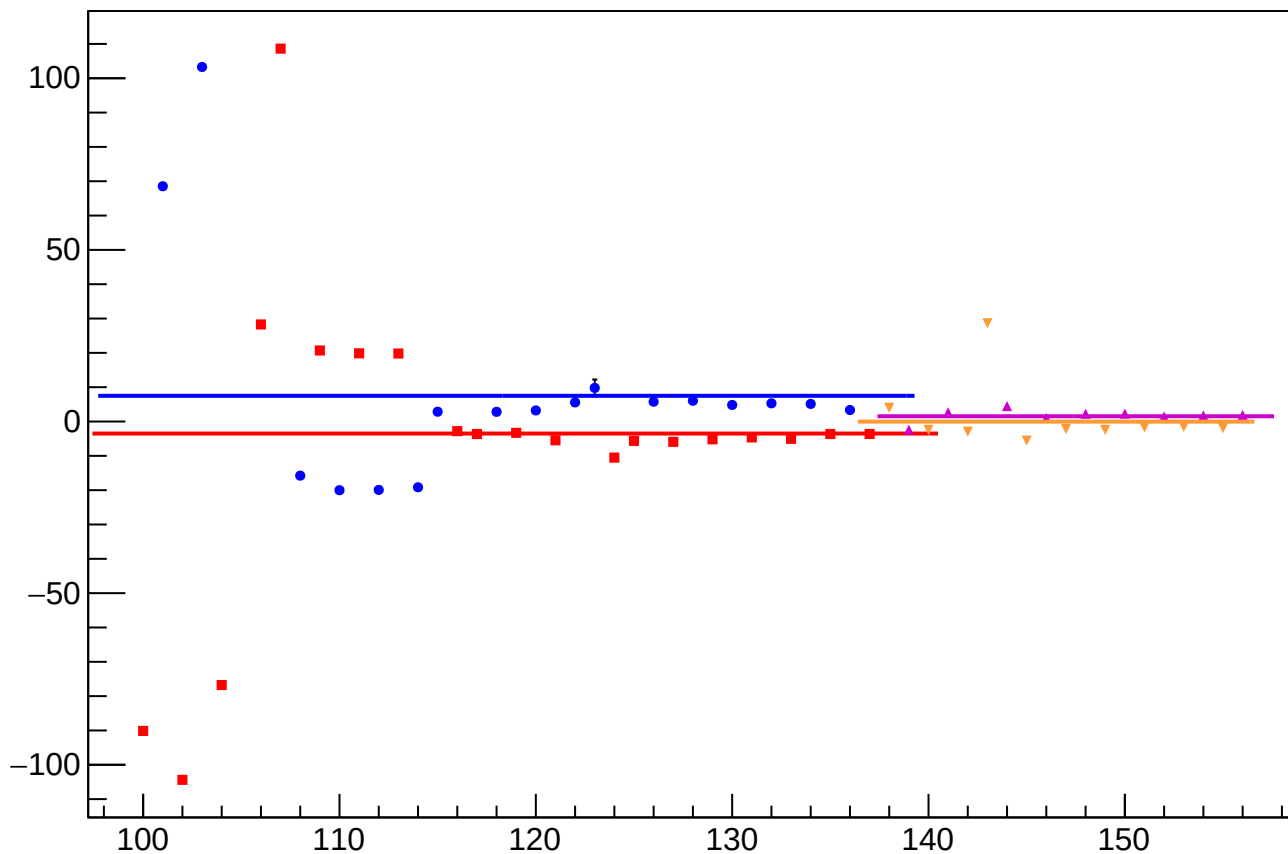
Left In: -1.035 ± 0.562 χ^2/NDF : 15.4/8

1.680 ± 0.449 χ^2/NDF : 103.8/26

0.462 ± 0.318 χ^2/NDF : 189.3/55

-0.756 ± 0.449 χ^2/NDF : 70.8/28

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 7.492 ± 0.045 χ^2/NDF : 355979.0/16

Left Out: -0.032 ± 0.027 χ^2/NDF : 71078.2/9

Right Out: -3.504 ± 0.046 χ^2/NDF : 510579.5/19

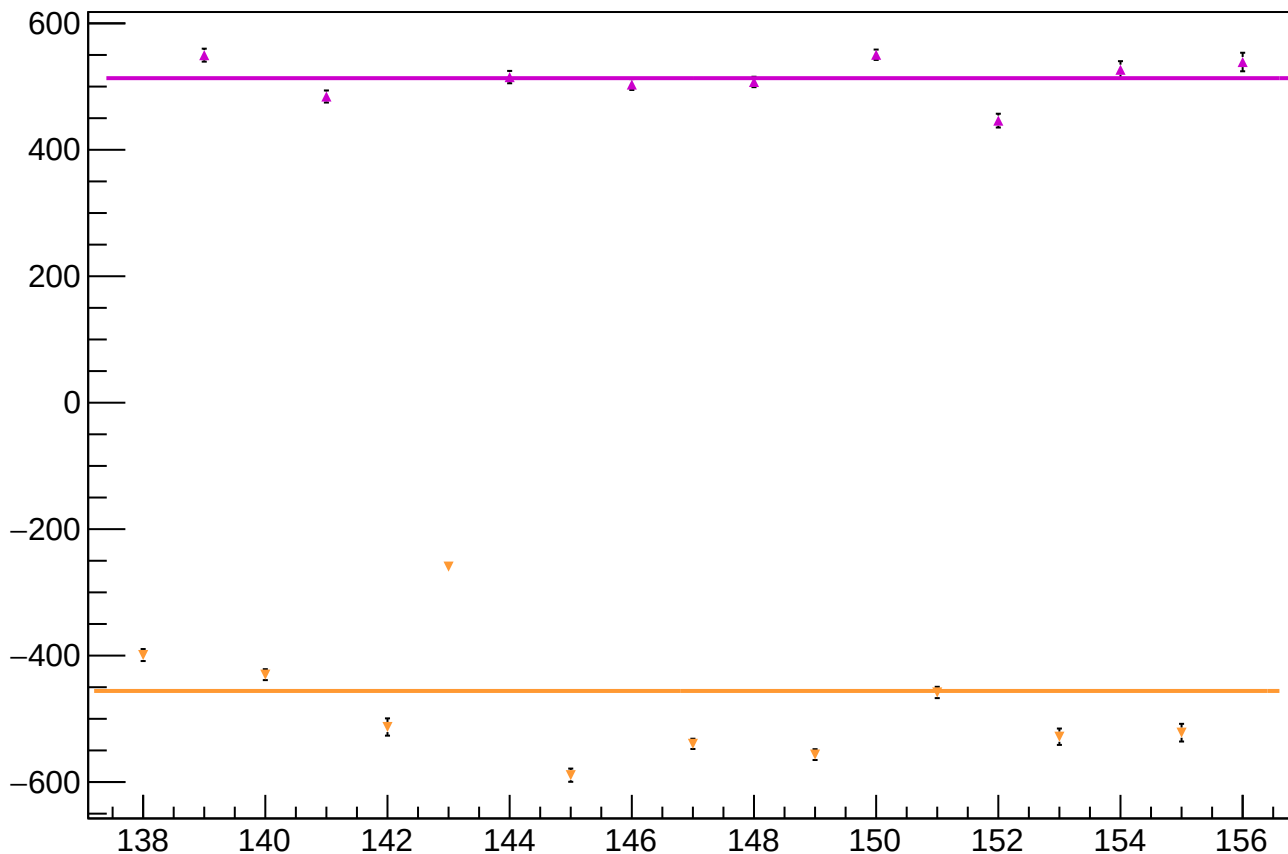
Left In: 1.532 ± 0.026 χ^2/NDF : 4404.7/8

1.985 ± 0.023 χ^2/NDF : 447857.2/26

1.120 ± 0.016 χ^2/NDF : 974803.7/55

0.295 ± 0.023 χ^2/NDF : 524209.5/28

reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -455.922+/-2.993 χ^2/NDF :1307.4/9

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

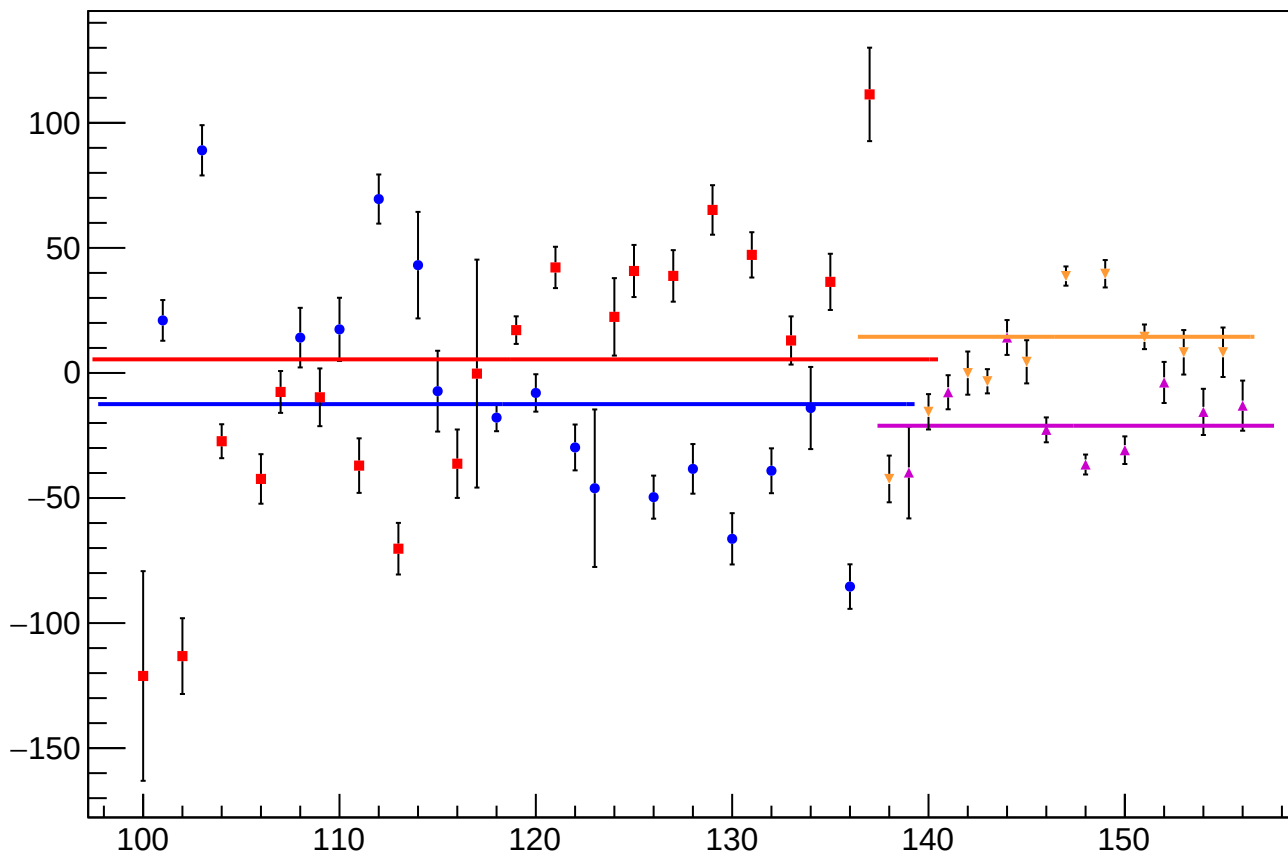
Left In: 513.298+/-3.287 χ^2/NDF :86.0/8

-455.922+/-2.993 χ^2/NDF : 1307.4/9

-16.478+/-2.213 χ^2/NDF : 48927.9/18

513.298+/-3.287 χ^2/NDF : 86.0/8

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -12.458 ± 2.349 χ^2/NDF : 341.1/16

Left Out: 14.463 ± 1.939 χ^2/NDF : 134.6/9

Right Out: 5.439 ± 2.256 χ^2/NDF : 345.0/19

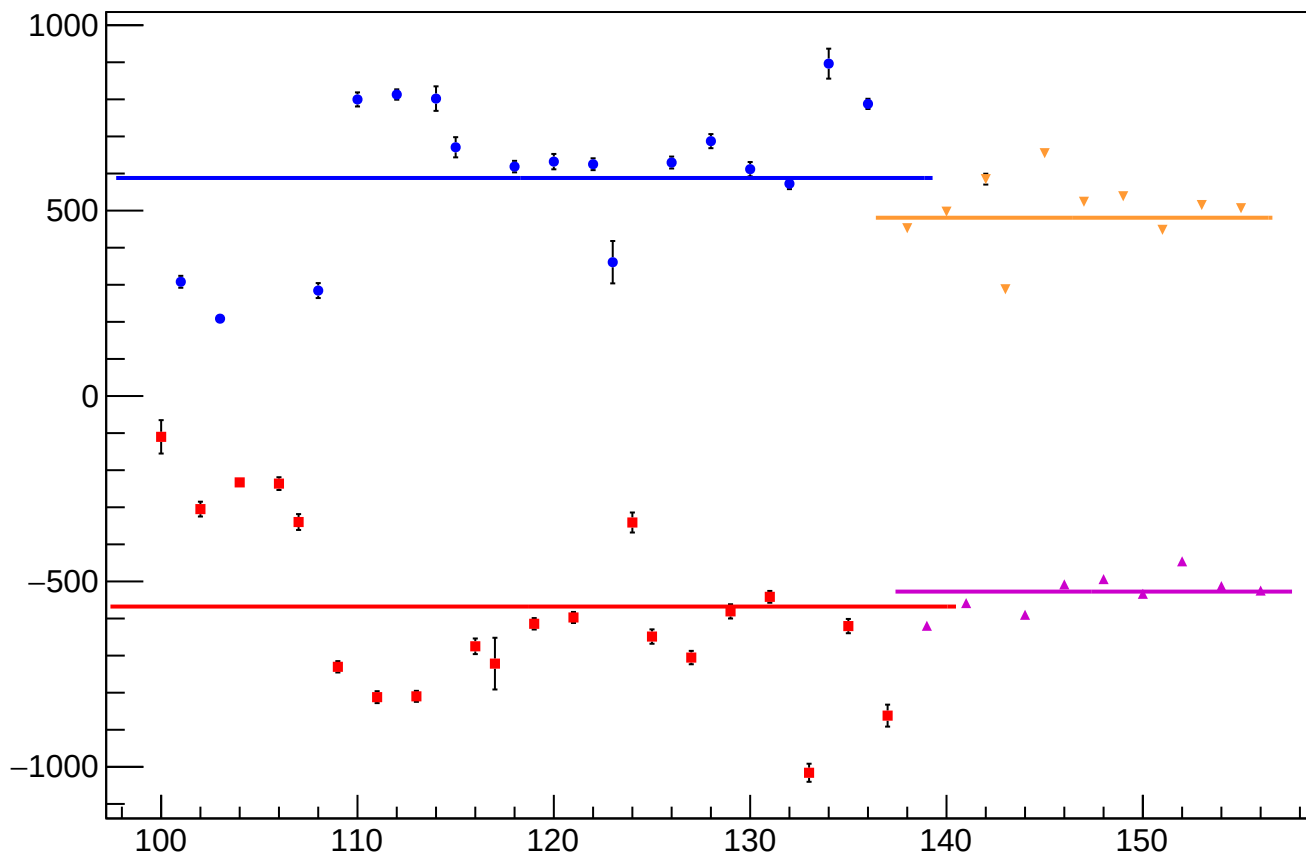
Left In: -21.102 ± 2.144 χ^2/NDF : 54.3/8

3.552 ± 1.495 χ^2/NDF : 553.8/26

-2.245 ± 1.077 χ^2/NDF : 1057.1/55

-8.506 ± 1.554 χ^2/NDF : 472.0/28

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 587.994 $\pm$ 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

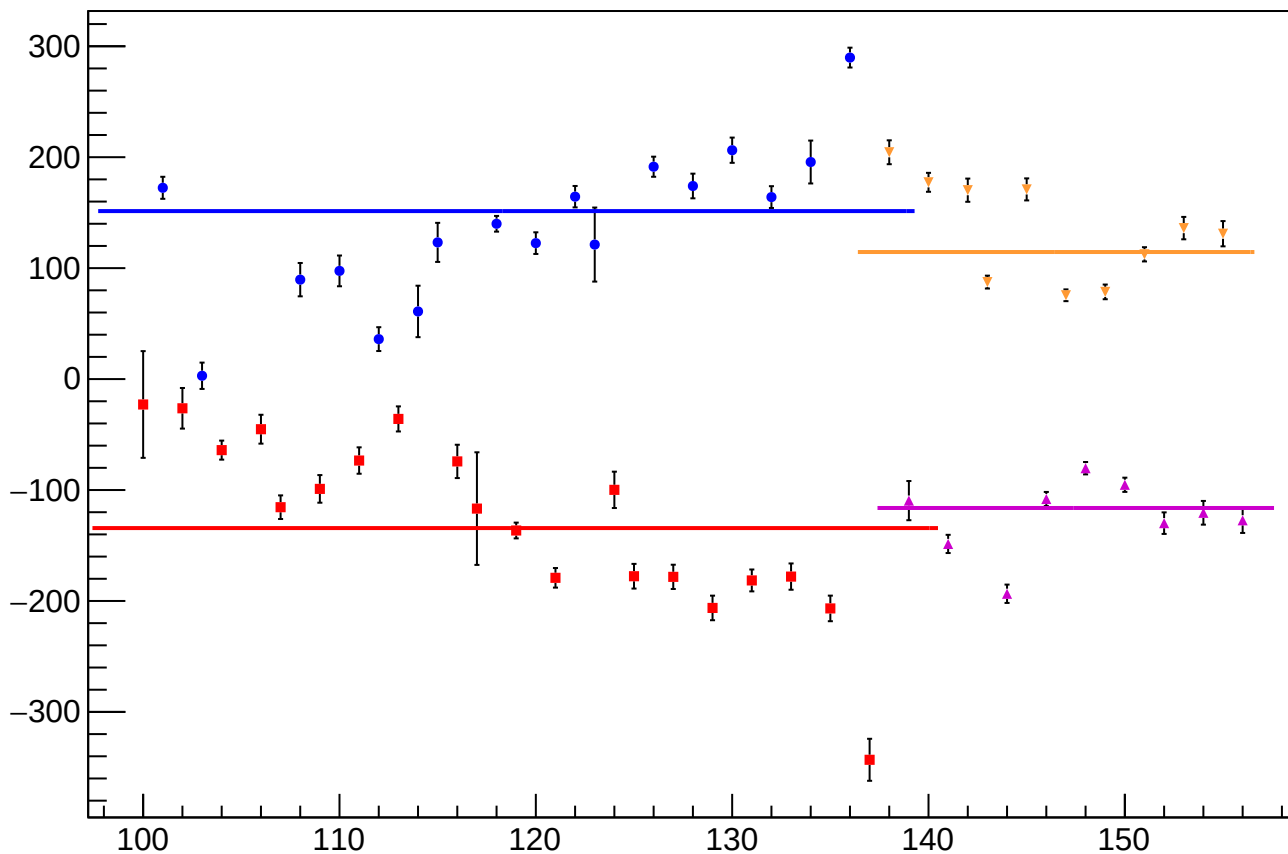
Left In: -527.394 $\pm$ 3.220 χ^2/NDF : 201.3/8

515.234 $\pm$ 2.467 χ^2/NDF : 3626.3/26

1.492 $\pm$ 1.769 χ^2/NDF : 95961.4/55

-542.645 $\pm$ 2.539 χ^2/NDF : 3048.7/28

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 151.421 ± 2.709 χ^2/NDF : 633.3/16

Left Out: 114.531 ± 2.415 χ^2/NDF : 296.6/9

Right Out: -134.299 ± 2.612 χ^2/NDF : 585.0/19

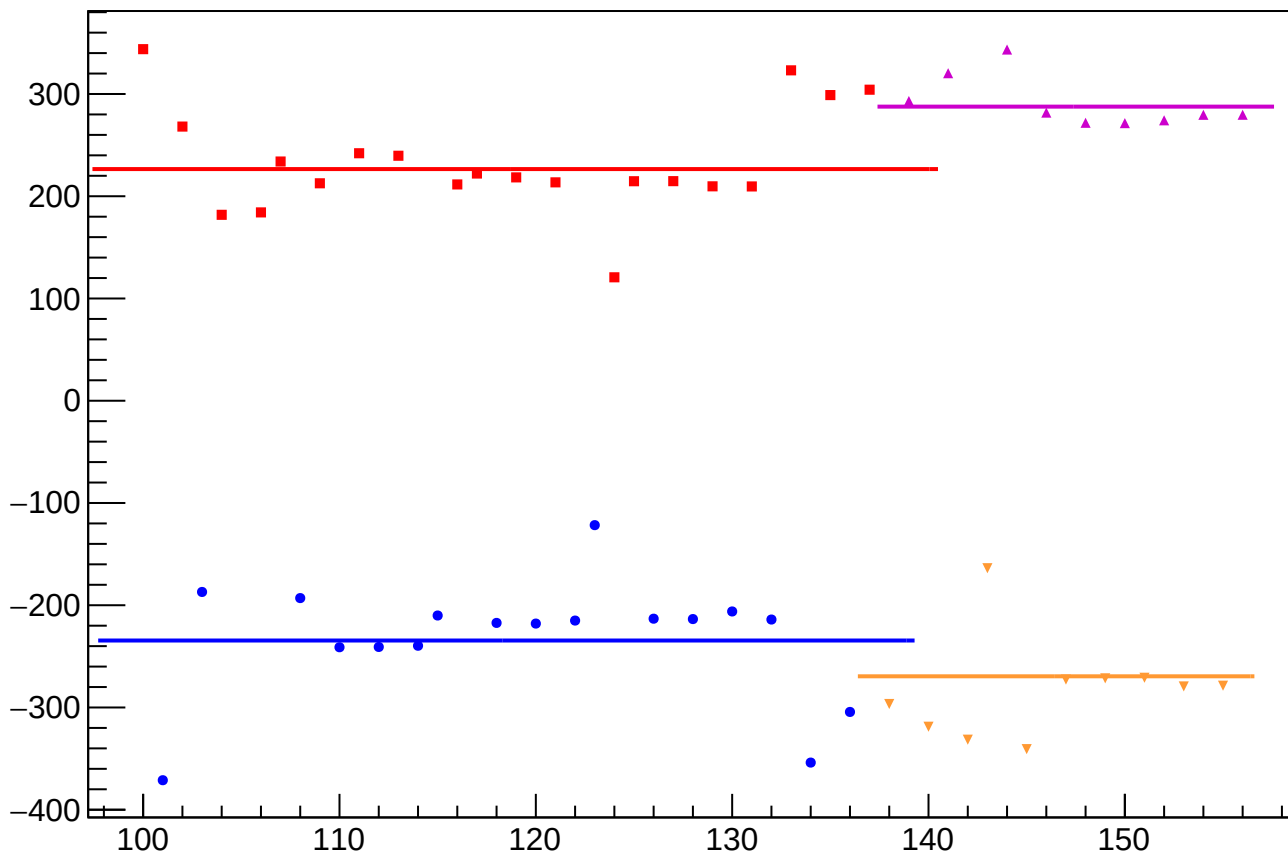
Left In: -116.188 ± 2.665 χ^2/NDF : 159.8/8

130.867 ± 1.803 χ^2/NDF : 1033.2/26

7.100 ± 1.296 χ^2/NDF : 11561.4/55

-125.426 ± 1.866 χ^2/NDF : 768.3/28

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -234.501 $\pm$ 0.149 χ^2/NDF : 145046.5/16

Left Out: -269.508 $\pm$ 0.124 χ^2/NDF : 182044.8/9

Right Out: 226.572 $\pm$ 0.141 χ^2/NDF : 98970.7/19

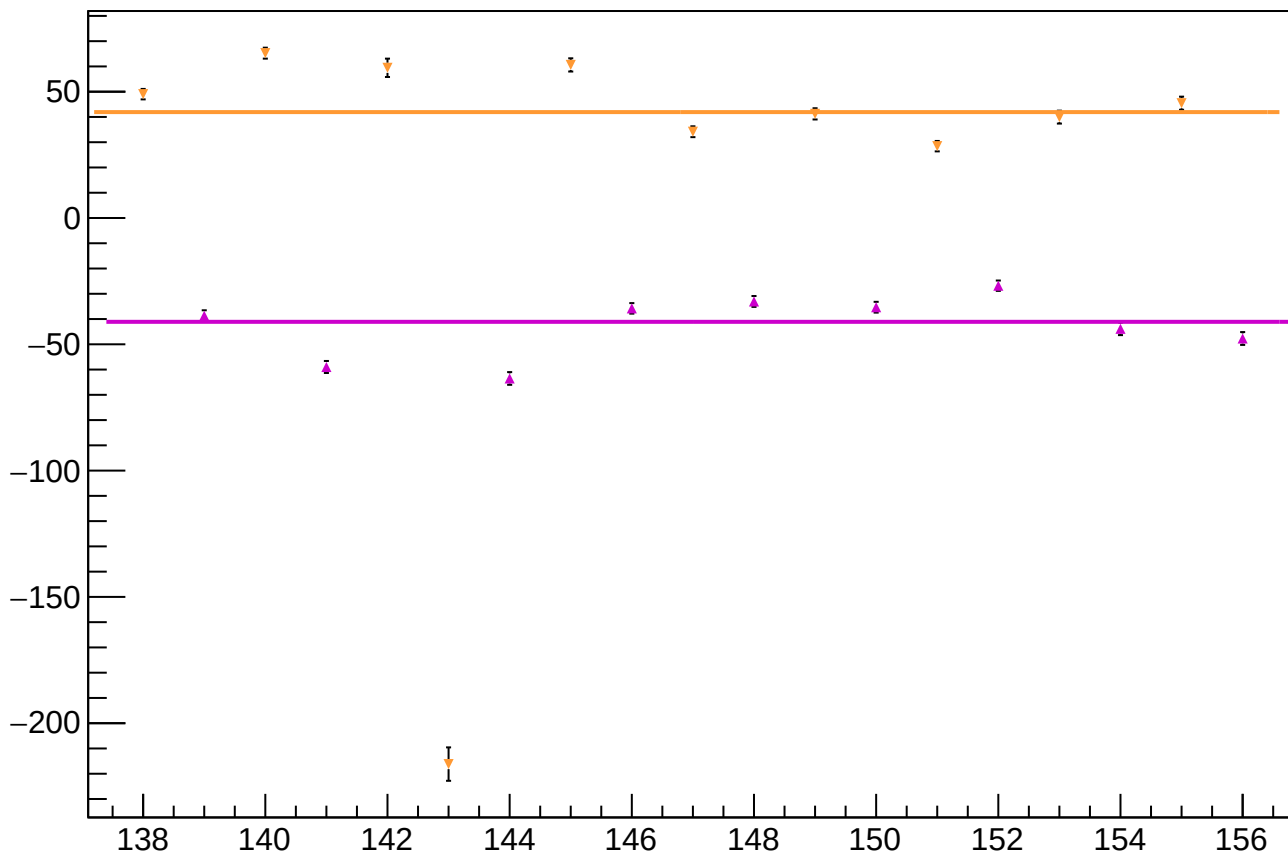
Left In: 287.648 $\pm$ 0.131 χ^2/NDF : 28008.1/8

-255.187 $\pm$ 0.095 χ^2/NDF : 359697.7/26

0.538 $\pm$ 0.068 χ^2/NDF : 15073468.0/55

259.491 $\pm$ 0.096 χ^2/NDF : 227721.7/28

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 +/- 0.000 χ^2/NDF : 0.0/0

Left Out: 41.923 +/- 0.780 χ^2/NDF : 1783.4/9

Right Out: 0.000 +/- 0.000 χ^2/NDF : 0.0/0

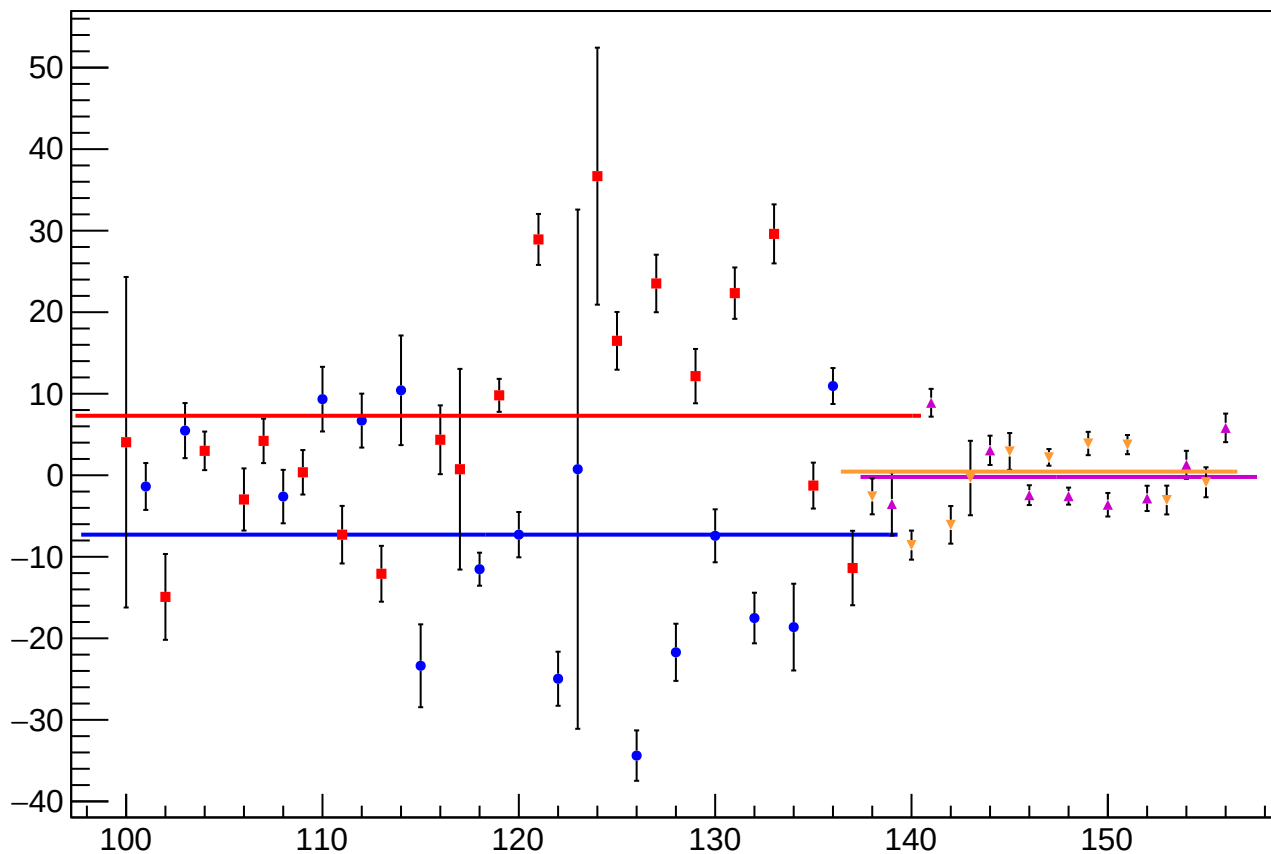
Left In: -41.102 +/- 0.752 χ^2/NDF : 221.9/8

41.923 +/- 0.780 χ^2/NDF : 1783.4/9

-1.066 +/- 0.541 χ^2/NDF : 7878.1/18

-41.102 +/- 0.752 χ^2/NDF : 221.9/8

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.284 ± 0.789 χ^2/NDF : 283.2/16

Left Out: 0.449 ± 0.517 χ^2/NDF : 57.8/9

Right Out: 7.298 ± 0.759 χ^2/NDF : 255.6/19

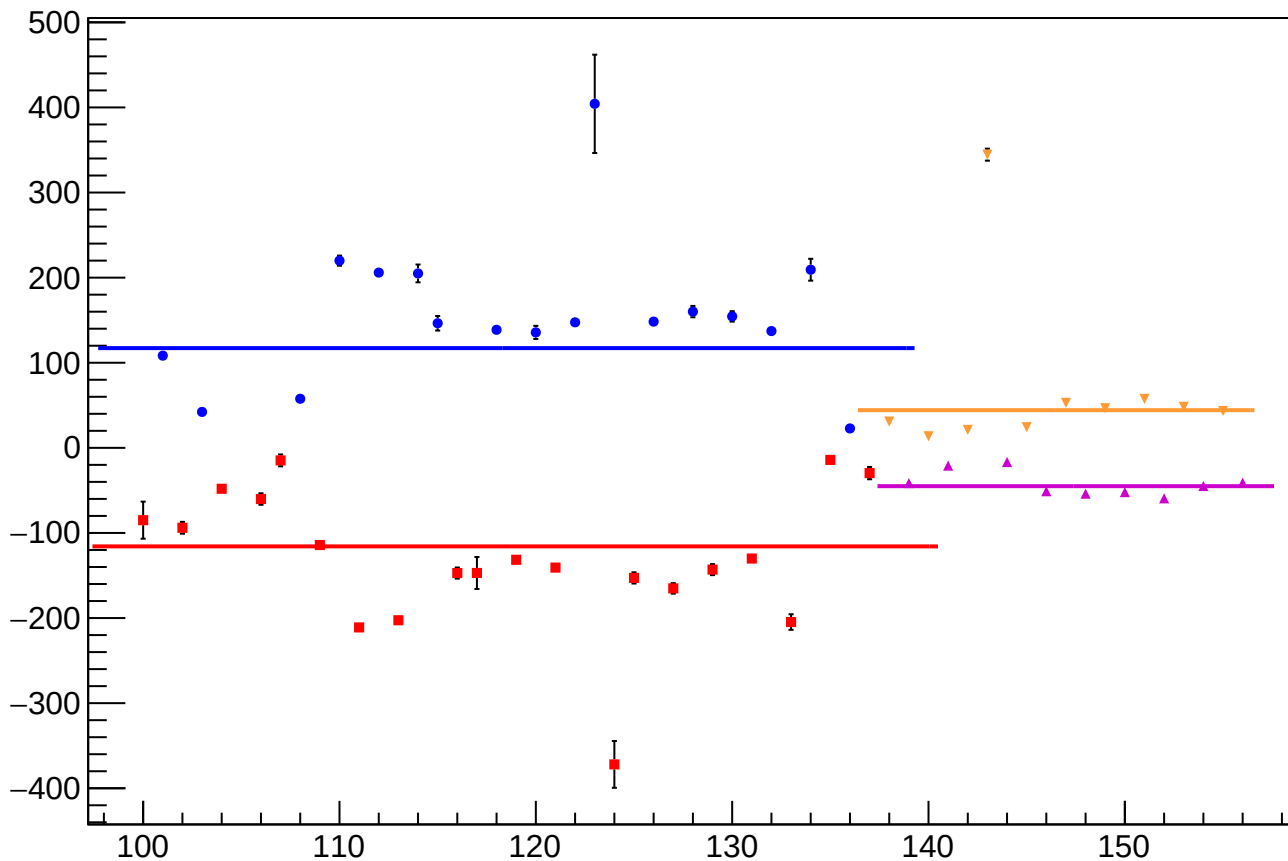
Left In: -0.207 ± 0.508 χ^2/NDF : 61.9/8

-1.875 ± 0.432 χ^2/NDF : 408.3/26

0.166 ± 0.302 χ^2/NDF : 836.8/55

2.114 ± 0.422 χ^2/NDF : 385.0/28

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 117.187 ± 1.416 χ^2/NDF : 2161.0/16

Left Out: 44.265 ± 0.769 χ^2/NDF : 2178.7/9

Right Out: -115.795 ± 1.357 χ^2/NDF : 2140.4/19

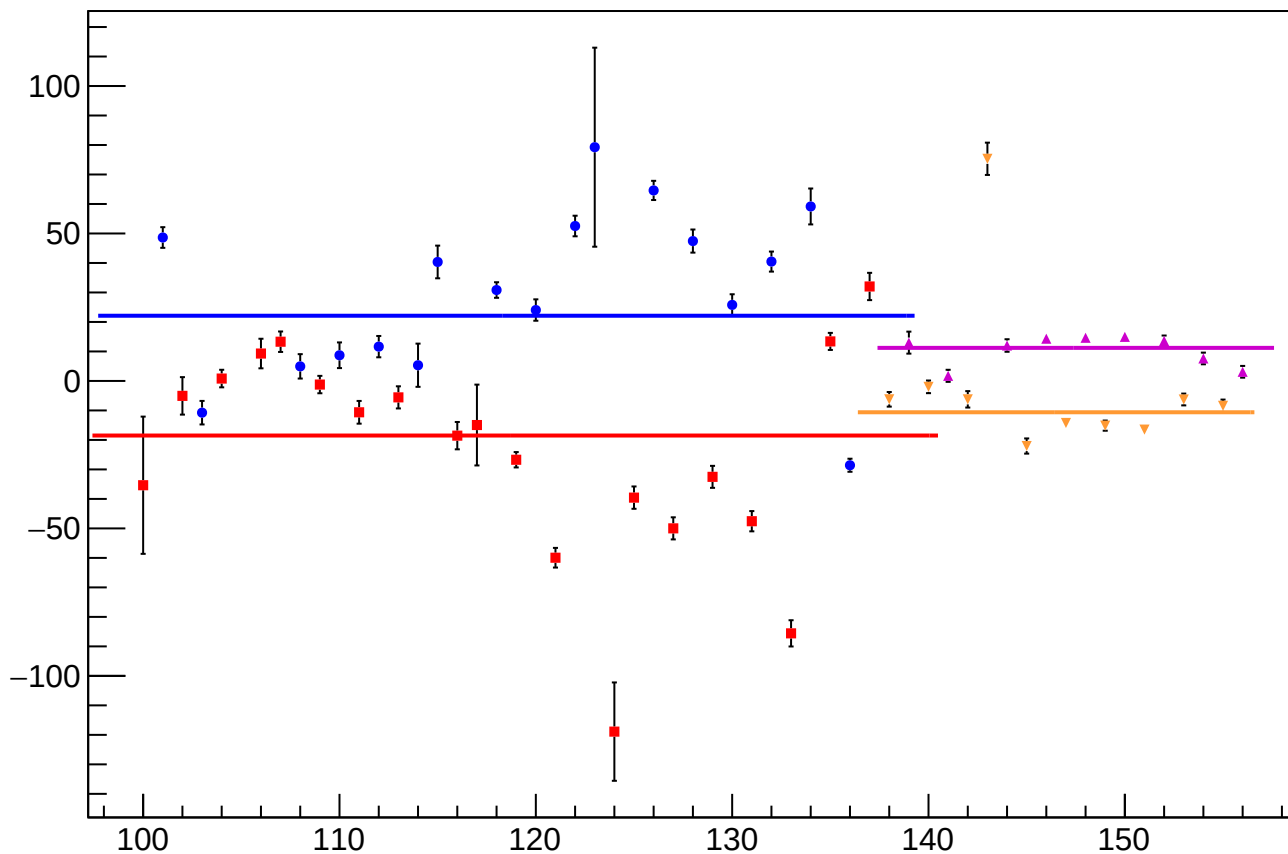
Left In: -45.032 ± 0.735 χ^2/NDF : 301.2/8

60.874 ± 0.676 χ^2/NDF : 6386.7/26

-2.816 ± 0.467 χ^2/NDF : 27929.5/55

-61.084 ± 0.647 χ^2/NDF : 4542.5/28

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.110 $\pm$ 0.898 χ^2 /NDF: 1070.3/16

Left Out: -10.619 $\pm$ 0.641 χ^2 /NDF: 321.9/9

Right Out: -18.506 $\pm$ 0.869 χ^2 /NDF: 1068.6/19

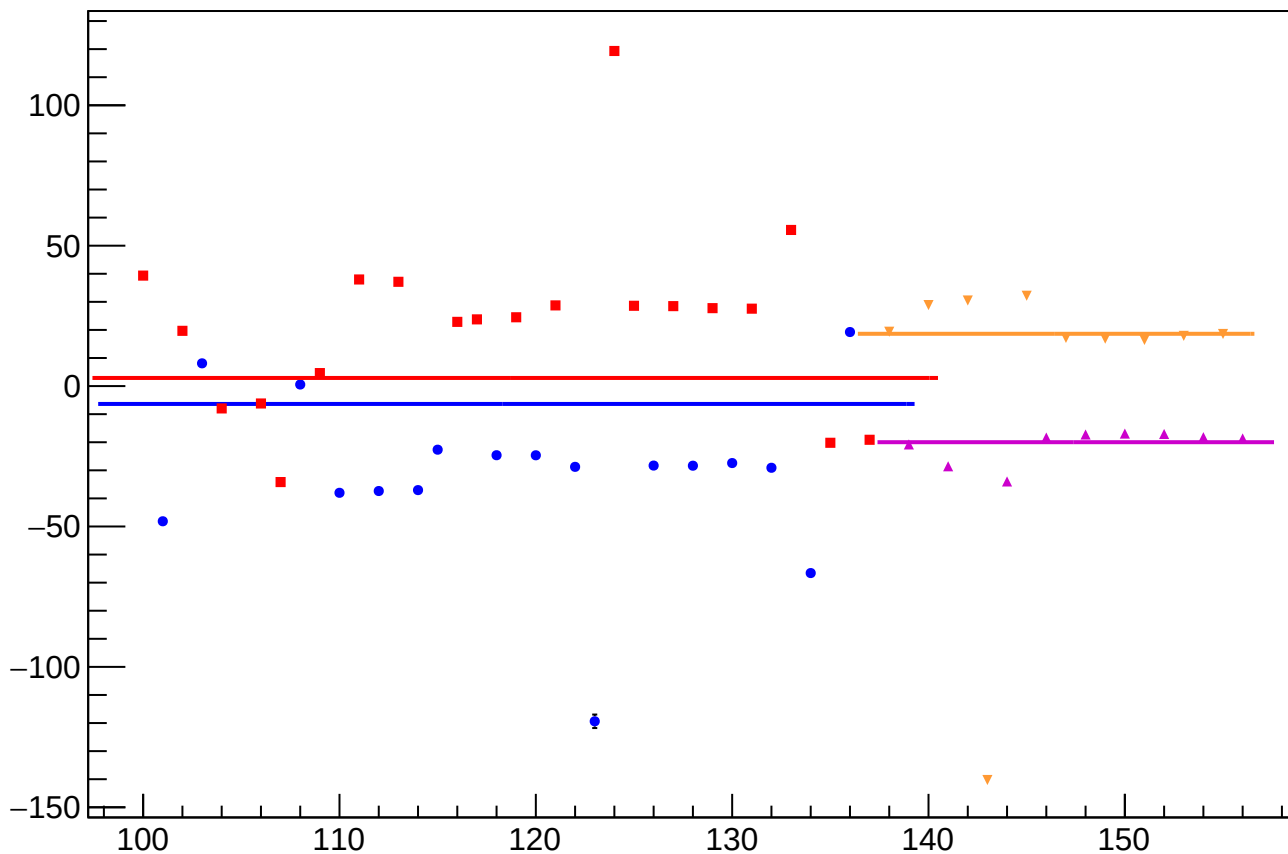
Left In: 11.215 $\pm$ 0.623 χ^2 /NDF: 57.8/8

0.420 $\pm$ 0.522 χ^2 /NDF: 2272.2/26

0.783 $\pm$ 0.363 χ^2 /NDF: 4171.5/55

1.124 $\pm$ 0.507 χ^2 /NDF: 1898.3/28

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.360+/-0.046 χ^2/NDF : 264750.9/16

Left Out: 18.623+/-0.031 χ^2/NDF : 348553.9/9

Right Out: 2.896+/-0.046 χ^2/NDF : 266162.6/19

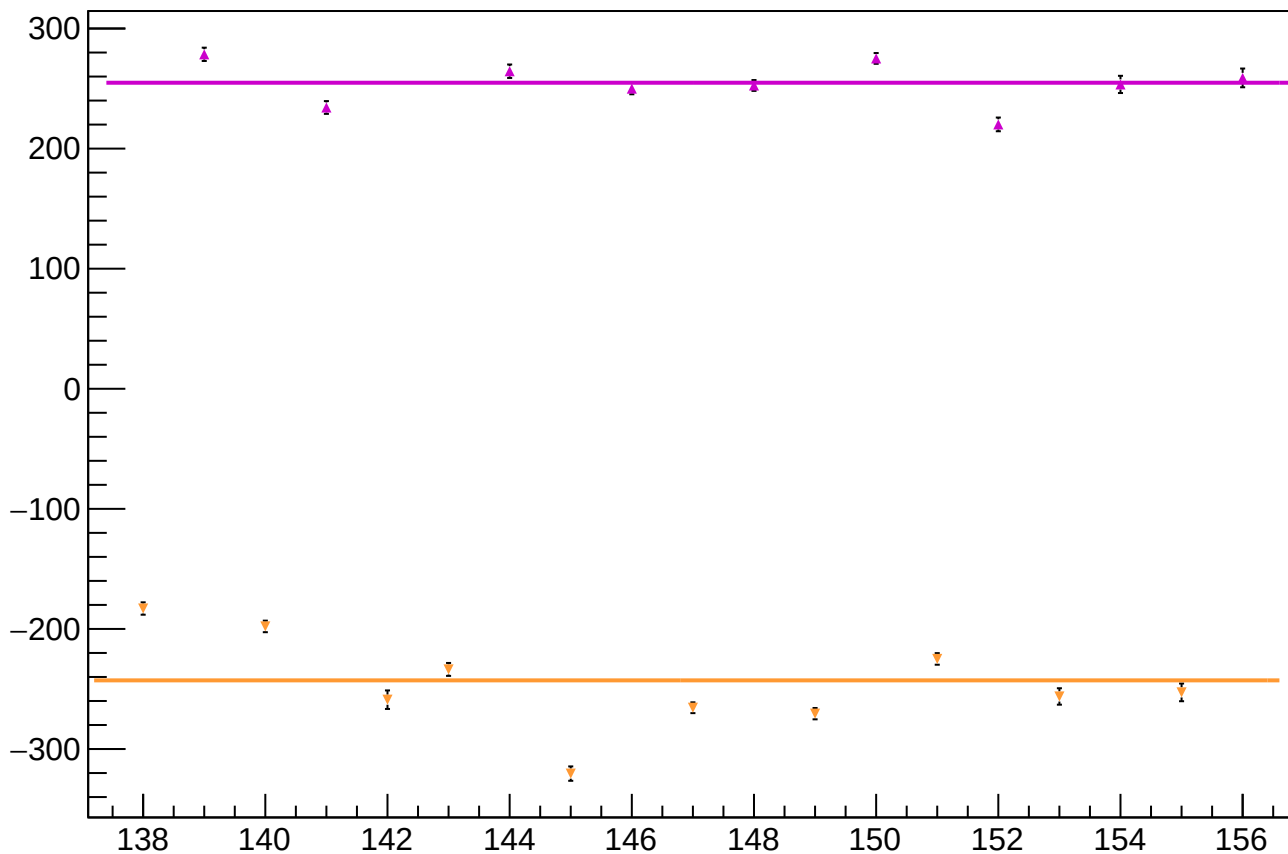
Left In: -19.982+/-0.029 χ^2/NDF : 26102.6/8

10.814+/-0.026 χ^2/NDF : 813339.8/26

-1.949+/-0.018 χ^2/NDF : 1745069.8/55

-13.393+/-0.025 χ^2/NDF : 470849.4/28

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -242.829+/-1.723 χ^2/NDF : 476.6/9

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

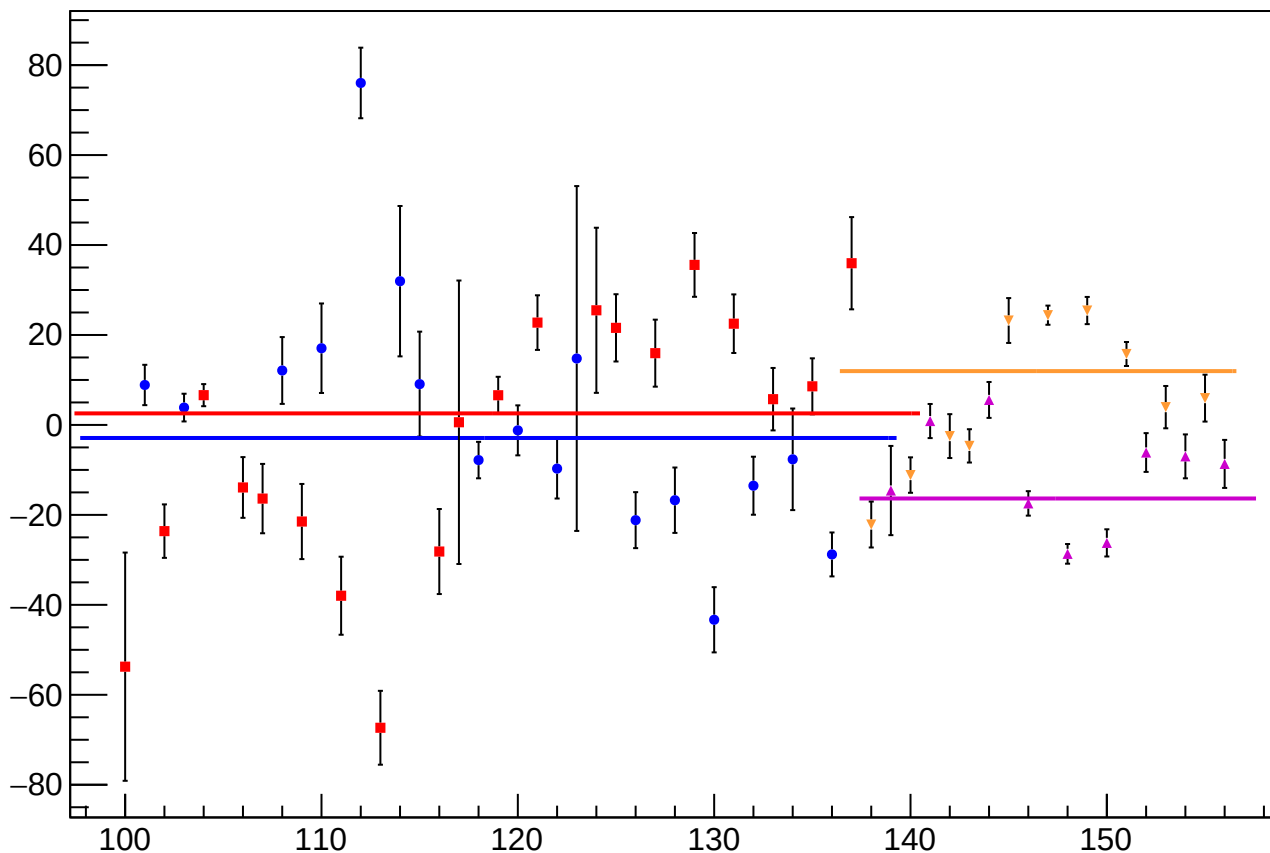
Left In: 254.849+/-1.796 χ^2/NDF : 95.0/8

-242.829+/-1.723 χ^2/NDF : 476.6/9

-4.394+/-1.243 χ^2/NDF : 40564.4/18

254.849+/-1.796 χ^2/NDF : 95.0/8

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.901 ± 1.467 χ^2/NDF : 203.6/16

Left Out: 11.966 ± 1.111 χ^2/NDF : 173.3/9

Right Out: 2.566 ± 1.395 χ^2/NDF : 218.2/19

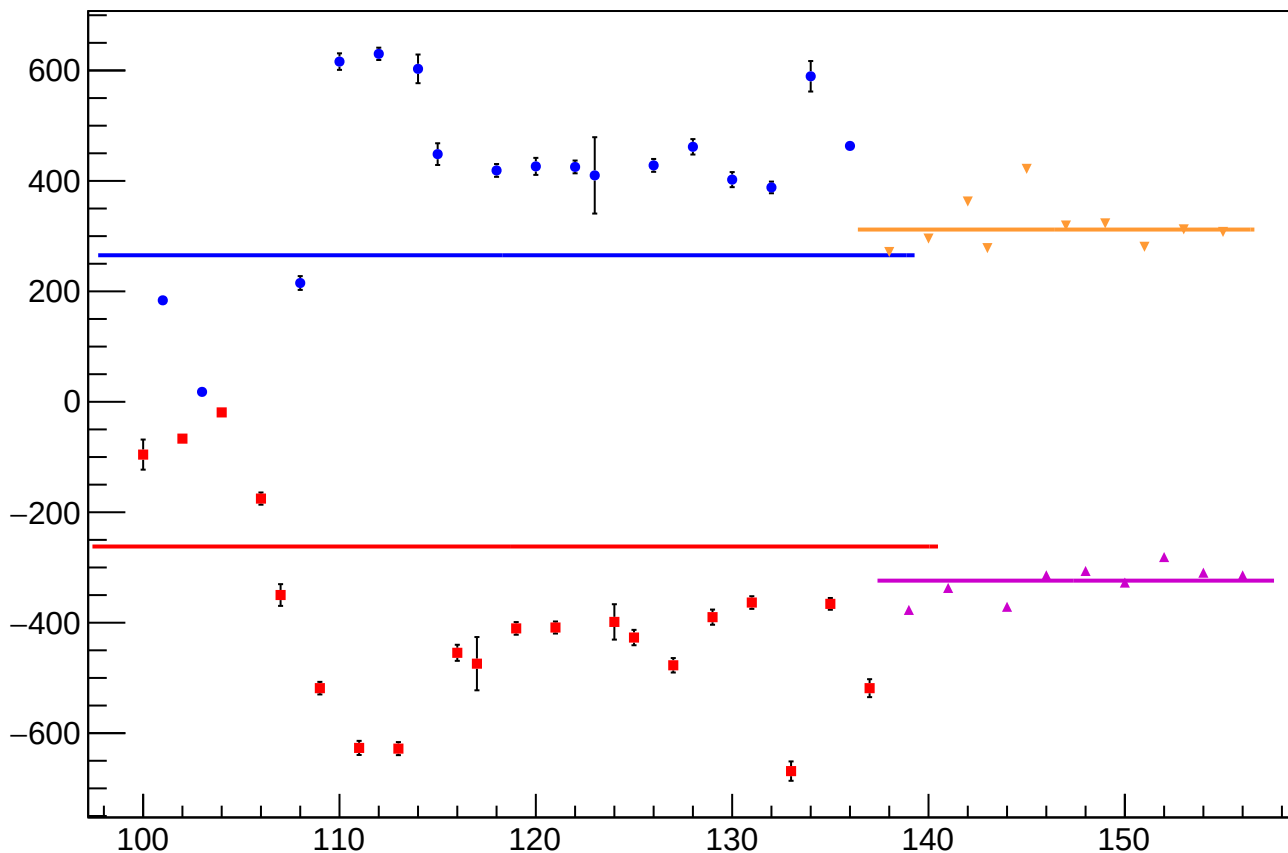
Left In: -16.354 ± 1.173 χ^2/NDF : 104.7/8

6.547 ± 0.886 χ^2/NDF : 442.1/26

-0.886 ± 0.630 χ^2/NDF : 1015.6/55

-8.521 ± 0.898 χ^2/NDF : 430.7/28

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 265.369 $\pm$ 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

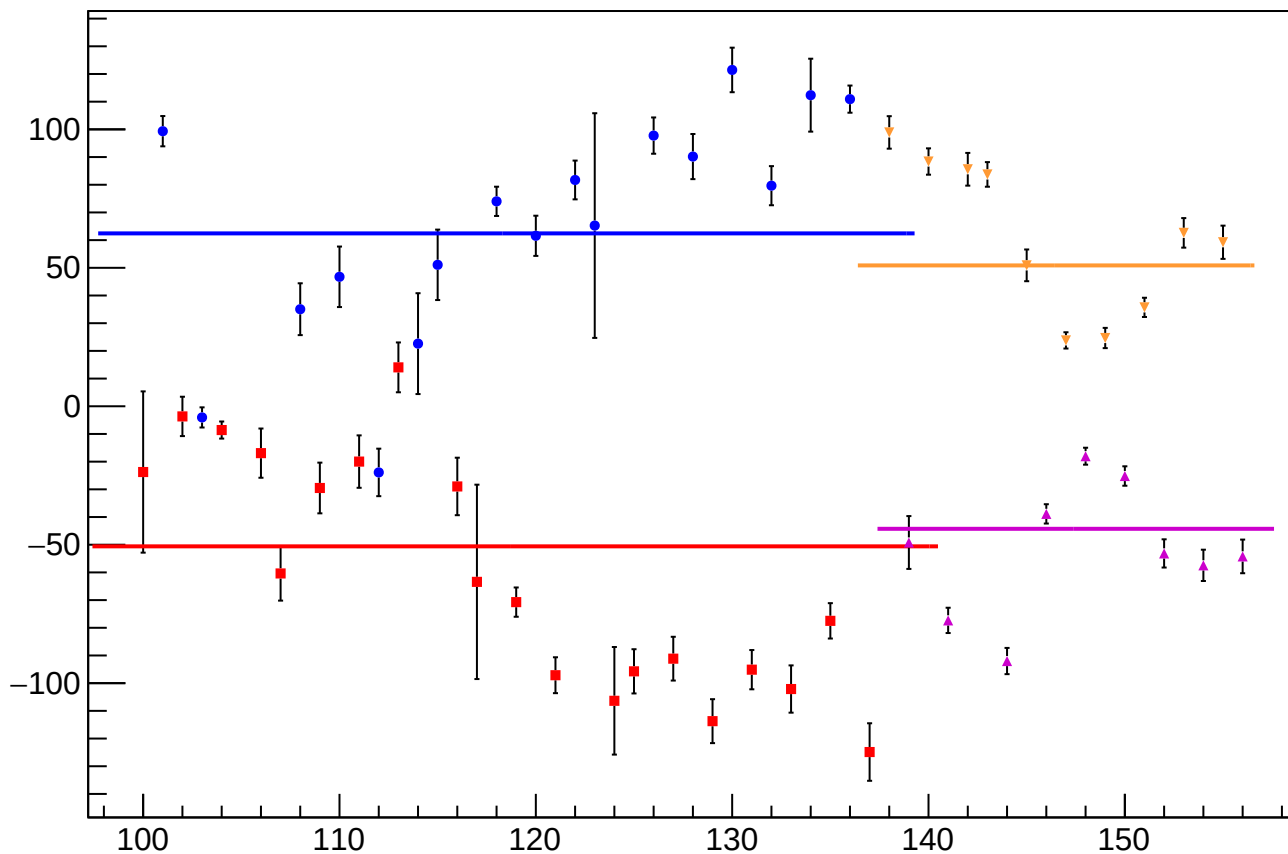
Left In: -323.825 $\pm$ 1.757 χ^2/NDF :235.3/8

296.975 $\pm$ 1.410 χ^2/NDF : 8367.4/26

1.070 $\pm$ 1.004 χ^2/NDF : 106555.5/55

-302.884 $\pm$ 1.429 χ^2/NDF : 8878.2/28

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 62.434+/-1.694 χ^2/NDF : 721.8/16

Left Out: 50.868+/-1.388 χ^2/NDF : 380.5/9

Right Out: -50.588+/-1.640 χ^2/NDF : 657.5/19

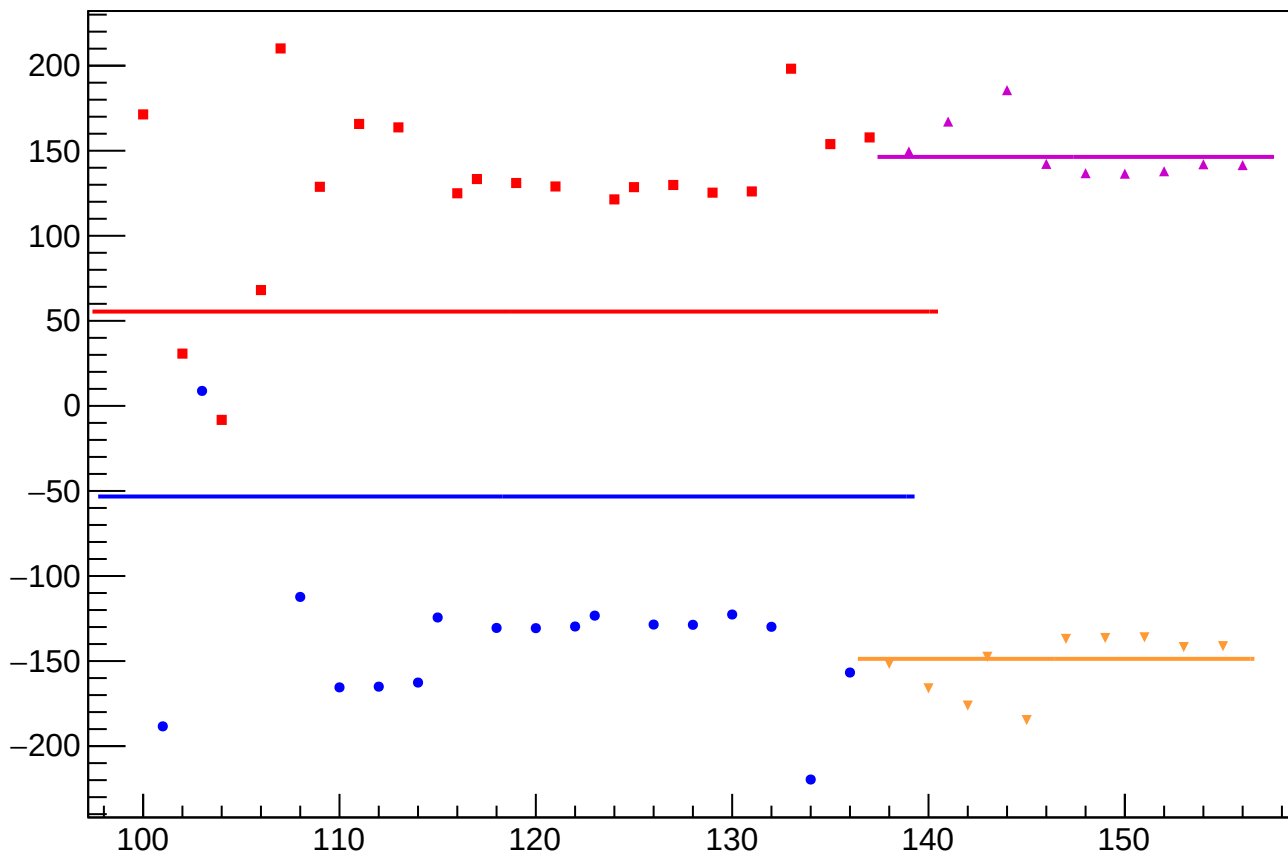
Left In: -44.254+/-1.457 χ^2/NDF : 271.0/8

55.513+/-1.073 χ^2/NDF : 1130.2/26

4.994+/-0.765 χ^2/NDF : 6564.1/55

-47.049+/-1.089 χ^2/NDF : 936.8/28

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -53.264 $\pm$ 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

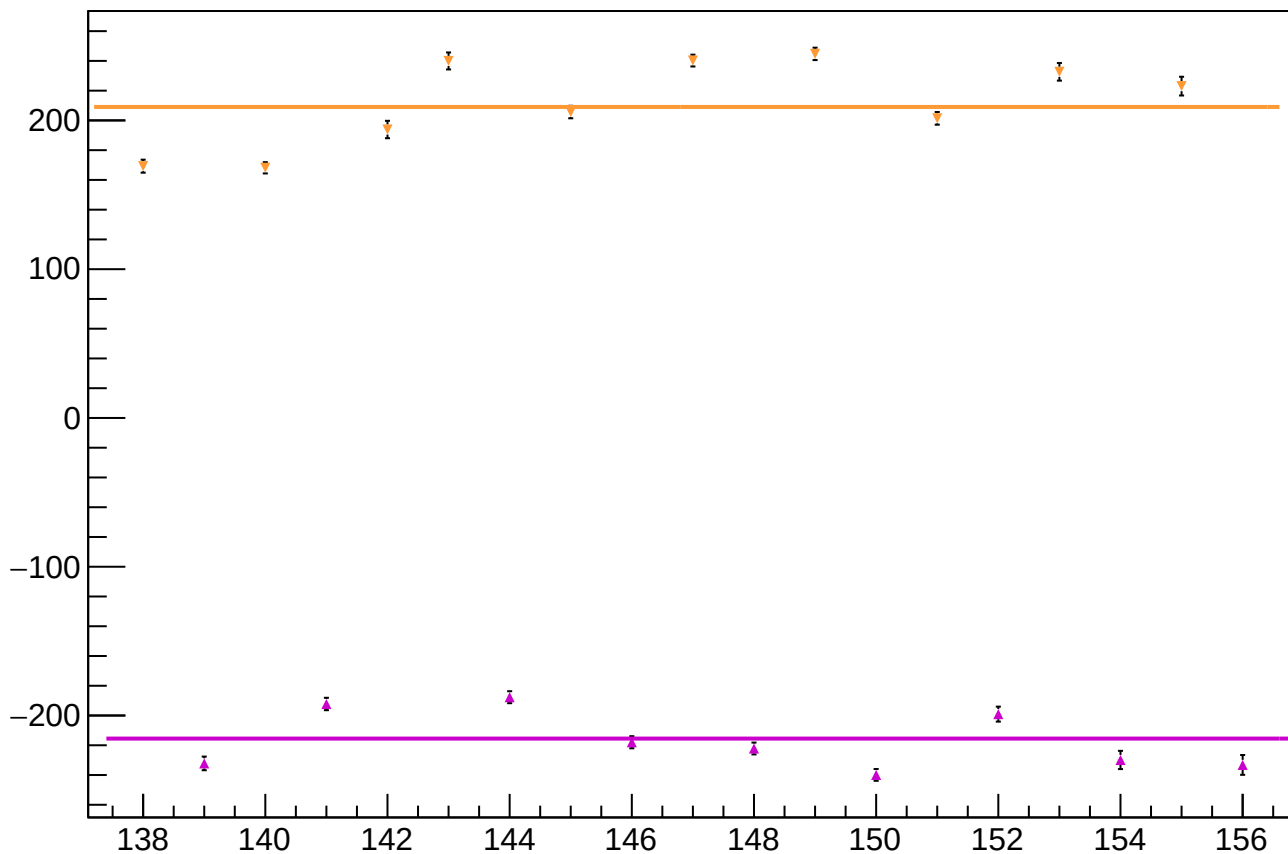
Left In: 146.371 $\pm$ 0.071 χ^2 /NDF: 39275.0/8

-100.667 $\pm$ 0.050 χ^2 /NDF: 2185411.8/26

-0.845 $\pm$ 0.036 χ^2 /NDF: 12087066.4/55

101.431 $\pm$ 0.051 χ^2 /NDF: 1815818.9/28

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 209.056+/-1.462 χ^2/NDF : 395.2/9

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

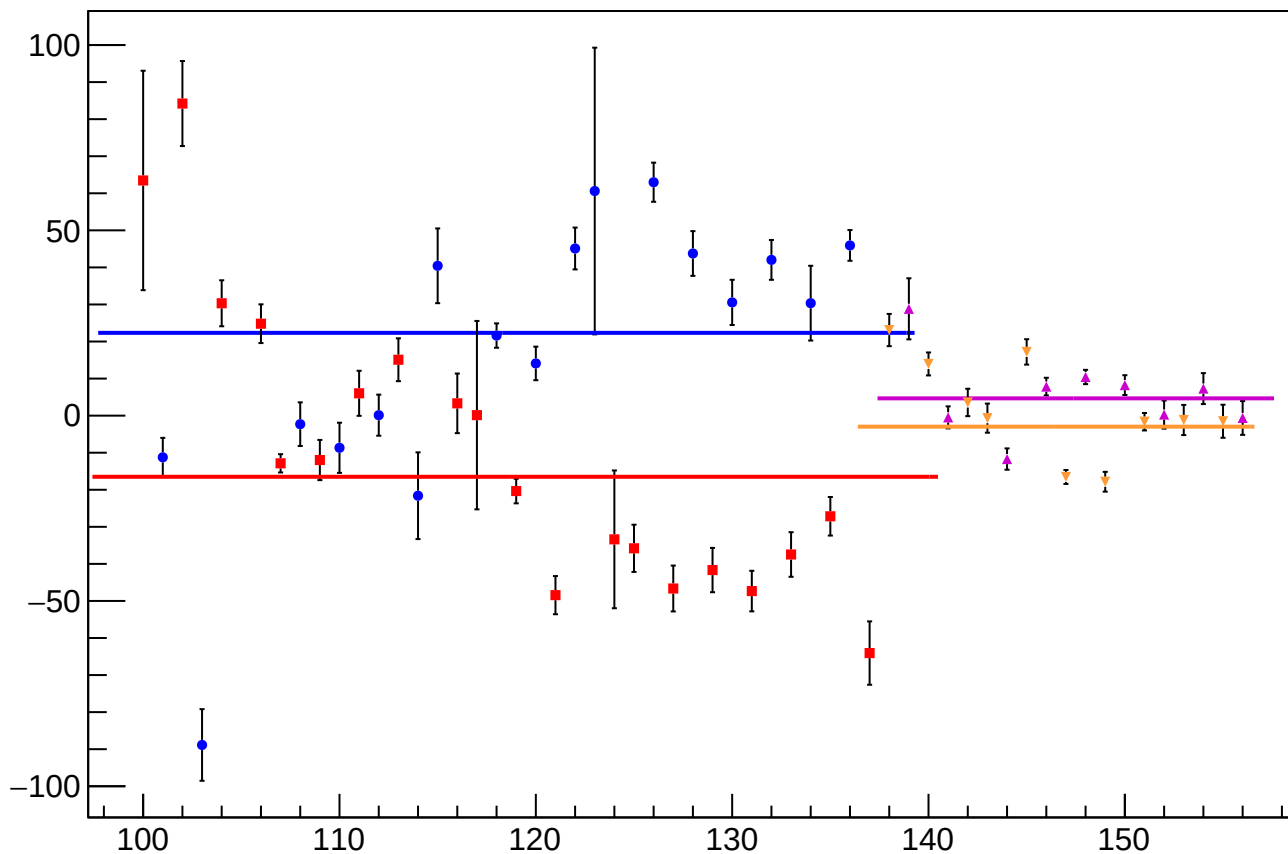
Left In: -215.509+/-1.504 χ^2/NDF : 156.3/8

209.056+/-1.462 χ^2/NDF : 395.2/9

2.876+/-1.048 χ^2/NDF : 41530.1/18

-215.509+/-1.504 χ^2/NDF : 156.3/8

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.342 ± 1.395 $\chi^2/\text{NDF}: 385.8/16$

Left Out: -2.975 ± 0.957 $\chi^2/\text{NDF}: 187.3/9$

Right Out: -16.498 ± 1.226 $\chi^2/\text{NDF}: 427.0/19$

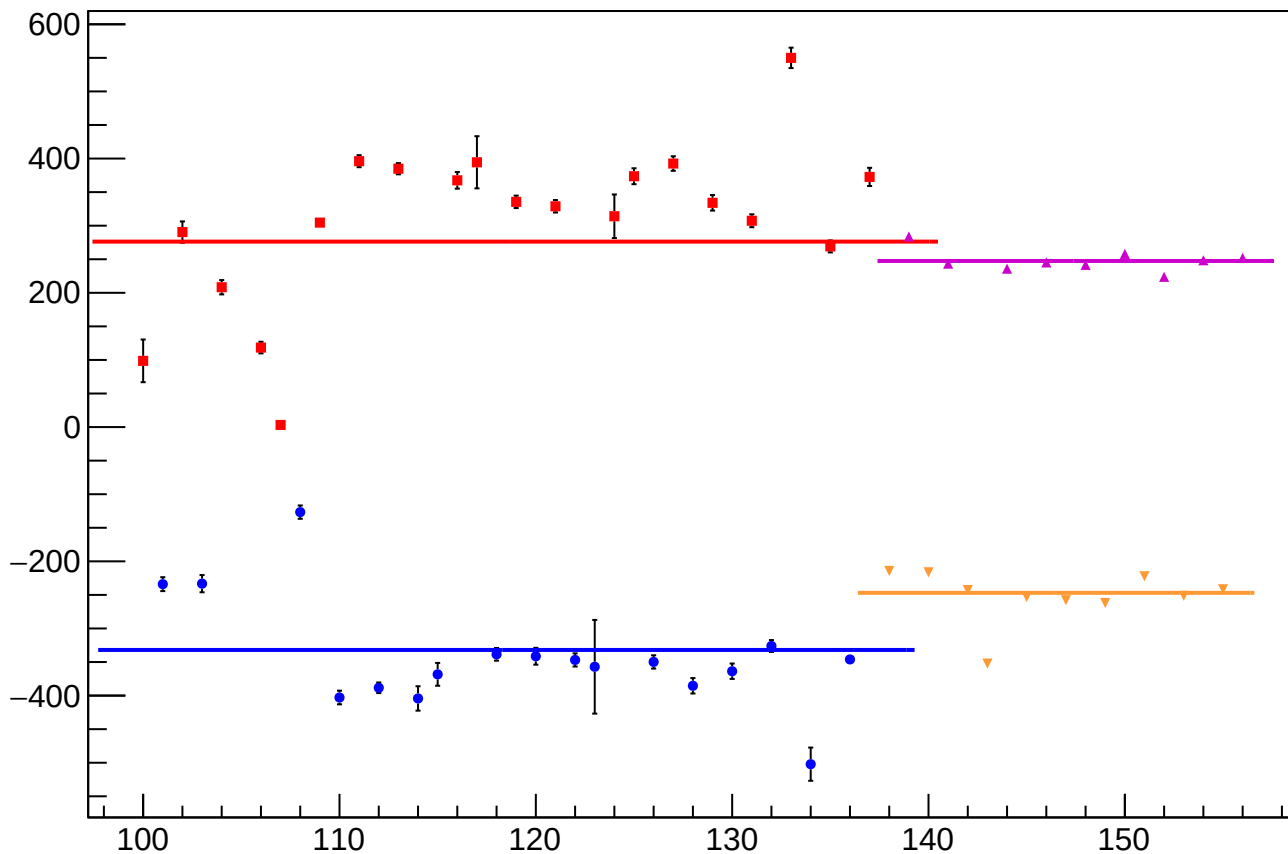
Left In: 4.663 ± 0.996 $\chi^2/\text{NDF}: 59.5/8$

5.121 ± 0.789 $\chi^2/\text{NDF}: 797.1/26$

0.595 ± 0.552 $\chi^2/\text{NDF}: 1527.7/55$

-3.749 ± 0.773 $\chi^2/\text{NDF}: 666.1/28$

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -331.989+/-2.580 χ^2/NDF : 785.0/16

Left Out: -246.919+/-1.459 χ^2/NDF : 468.5/9

Right Out: 276.265+/-2.320 χ^2/NDF : 3371.5/19

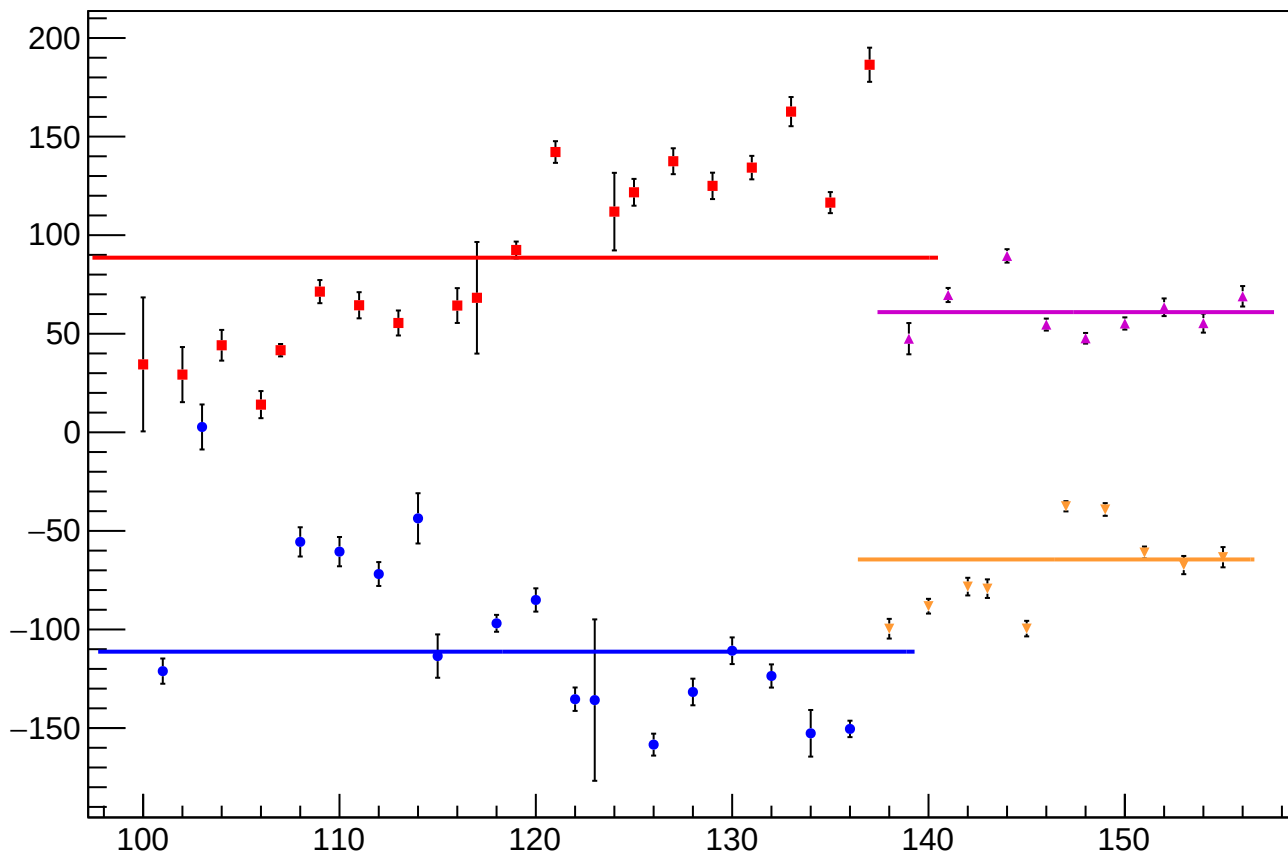
Left In: 247.441+/-1.482 χ^2/NDF : 96.9/8

-267.524+/-1.270 χ^2/NDF : 2077.2/26

-1.483+/-0.890 χ^2/NDF : 91992.5/55

255.789+/-1.249 χ^2/NDF : 3578.0/28

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -111.257+/-1.597 χ^2/NDF : 509.6/16

Left Out: -64.483+/-1.190 χ^2/NDF : 359.2/9

Right Out: 88.581+/-1.431 χ^2/NDF : 971.5/19

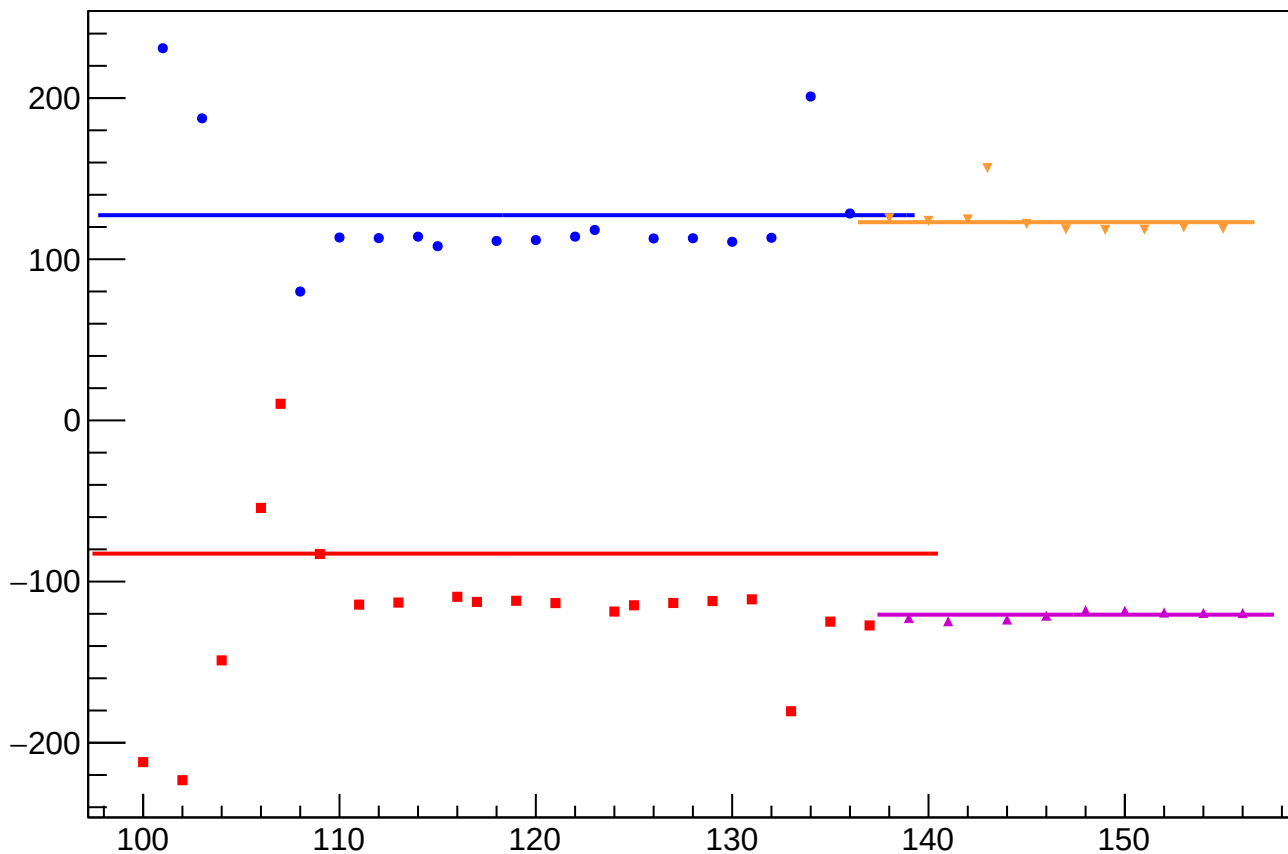
Left In: 60.965+/-1.232 χ^2/NDF : 114.6/8

-81.183+/-0.954 χ^2/NDF : 1420.2/26

-2.548+/-0.667 χ^2/NDF : 16007.5/55

72.718+/-0.934 χ^2/NDF : 1300.0/28

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 127.323+/-0.089 χ^2/NDF : 187776.4/16

Left Out: 122.983+/-0.060 χ^2/NDF : 21903.3/9

Right Out: -82.649+/-0.075 χ^2/NDF : 765307.1/19

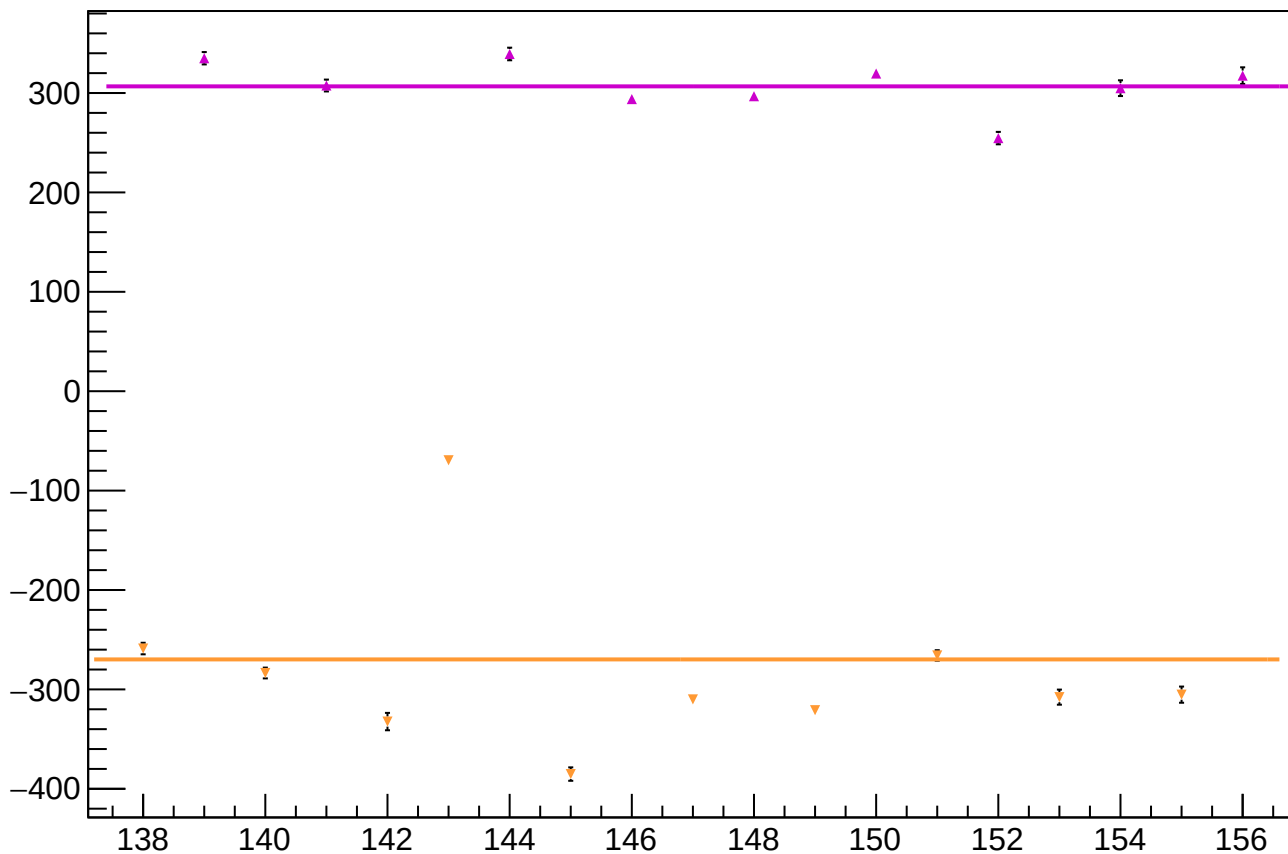
Left In: -120.537+/-0.060 χ^2/NDF : 1566.9/8

124.338+/-0.050 χ^2/NDF : 211299.0/26

1.952+/-0.034 χ^2/NDF : 12411008.1/55

-105.839+/-0.047 χ^2/NDF : 921807.0/28

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -269.829+/-1.856 χ^2/NDF : 2224.4/9

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

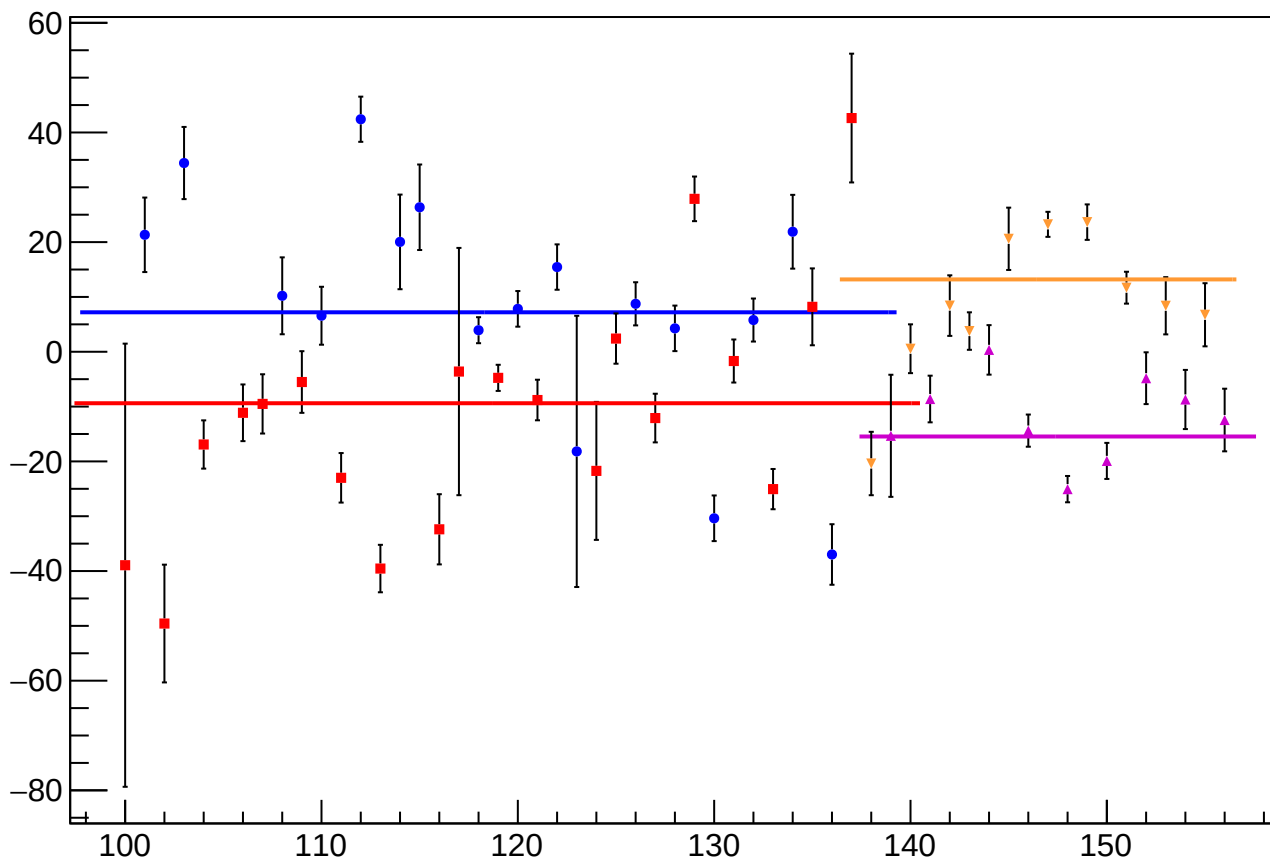
Left In: 306.694+/-1.976 χ^2/NDF : 135.2/8

-269.829+/-1.856 χ^2/NDF : 2224.4/9

0.468+/-1.353 χ^2/NDF : 47584.0/18

306.694+/-1.976 χ^2/NDF : 135.2/8

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.199 ± 1.103 χ^2/NDF : 260.9/16

Left Out: 13.197 ± 1.194 χ^2/NDF : 84.0/9

Right Out: -9.390 ± 1.070 χ^2/NDF : 232.2/19

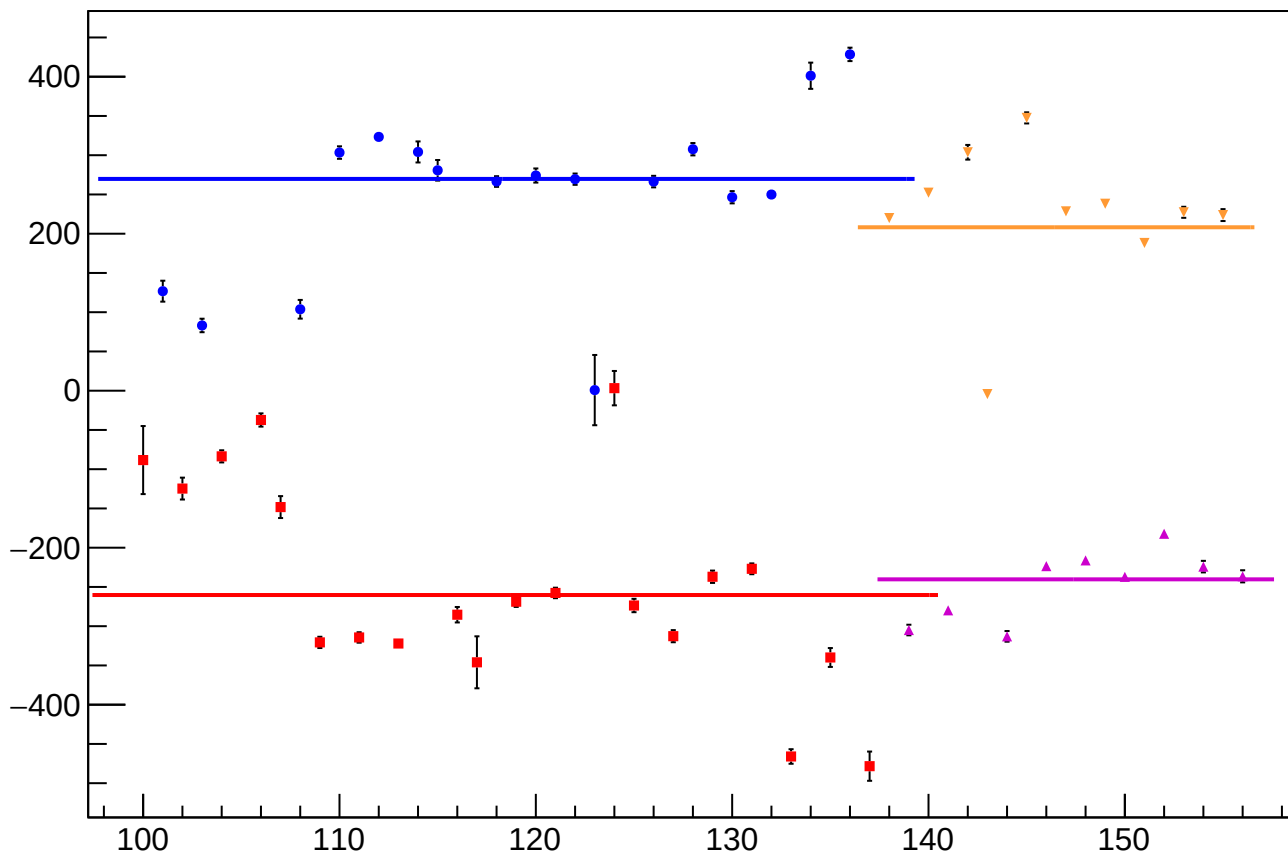
Left In: -15.456 ± 1.287 χ^2/NDF : 39.7/8

9.962 ± 0.810 χ^2/NDF : 358.5/26

-0.786 ± 0.577 χ^2/NDF : 1001.1/55

-11.870 ± 0.823 χ^2/NDF : 285.1/28

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 269.806 ± 2.089 χ^2/NDF : 1374.1/16

Left Out: 208.196 ± 1.845 χ^2/NDF : 2275.2/9

Right Out: -260.286 ± 1.973 χ^2/NDF : 2545.4/19

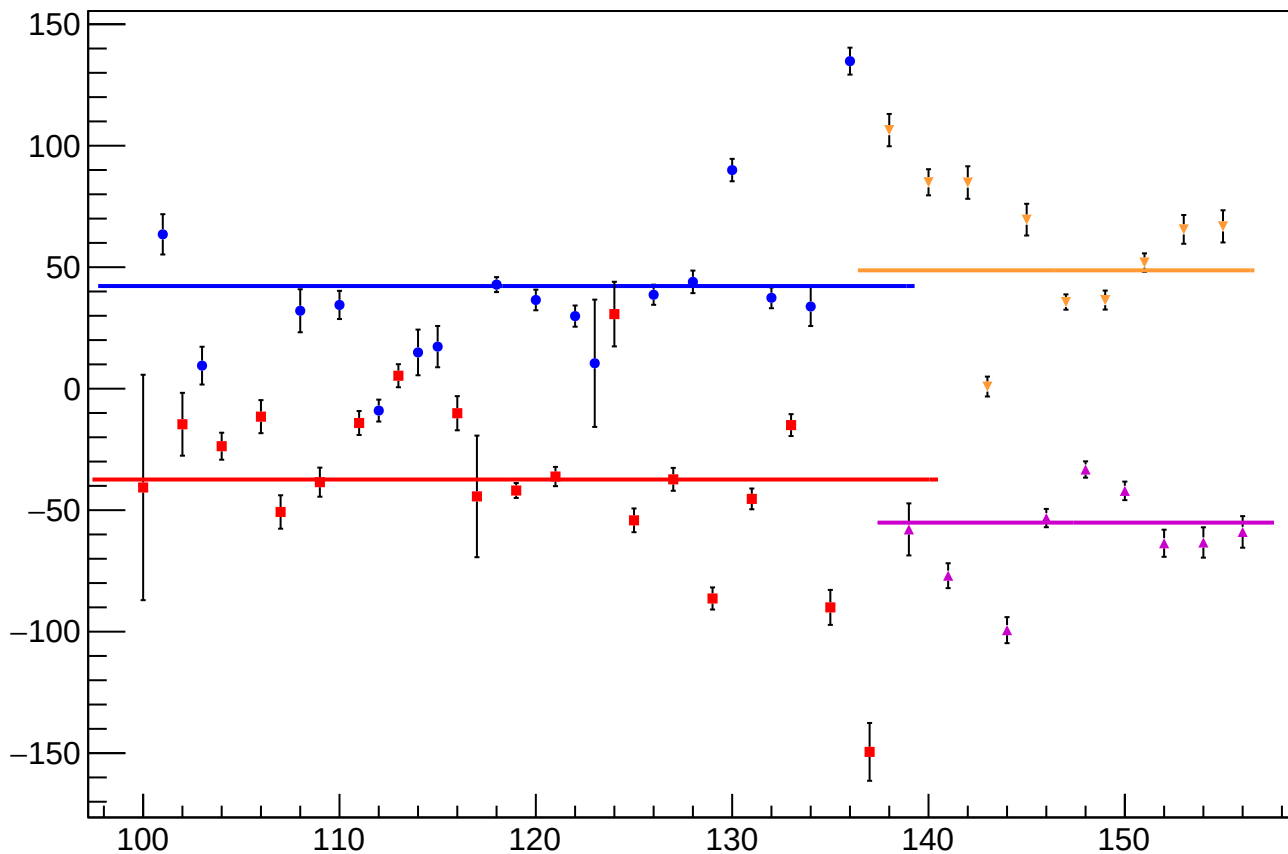
Left In: -240.317 ± 1.930 χ^2/NDF : 382.9/8

235.191 ± 1.383 χ^2/NDF : 4138.0/26

-7.998 ± 0.977 χ^2/NDF : 68831.5/55

-250.078 ± 1.380 χ^2/NDF : 2980.6/28

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.242 ± 1.274 $\chi^2/\text{NDF}: 574.4/16$

Left Out: 48.707 ± 1.491 $\chi^2/\text{NDF}: 340.2/9$

Right Out: -37.384 ± 1.233 $\chi^2/\text{NDF}: 472.4/19$

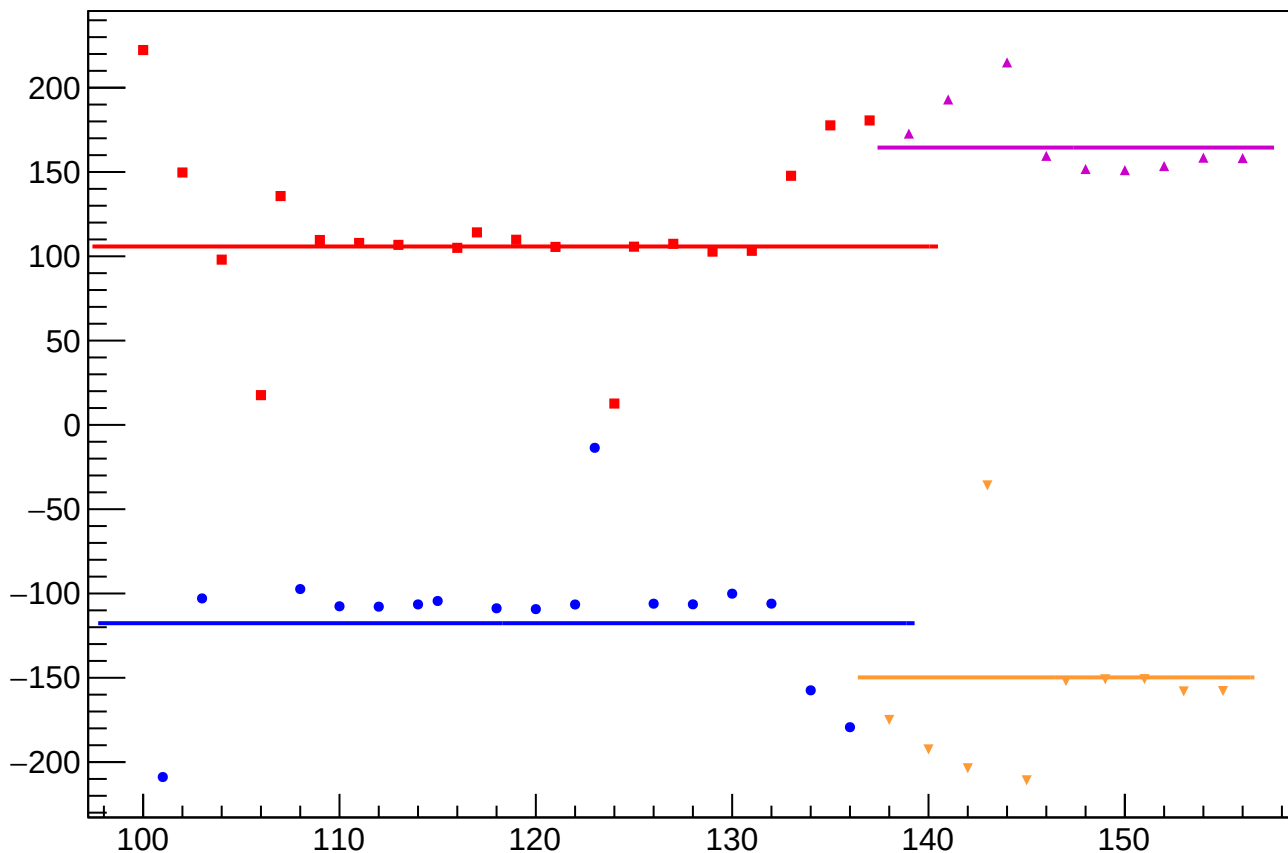
Left In: -55.127 ± 1.599 $\chi^2/\text{NDF}: 145.2/8$

44.970 ± 0.968 $\chi^2/\text{NDF}: 925.5/26$

0.859 ± 0.688 $\chi^2/\text{NDF}: 5805.9/55$

-43.999 ± 0.976 $\chi^2/\text{NDF}: 694.8/28$

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -117.625+/-0.079 χ^2/NDF : 141872.3/16

Left Out: -149.770+/-0.076 χ^2/NDF : 401951.0/9

Right Out: 105.826+/-0.073 χ^2/NDF : 323138.4/19

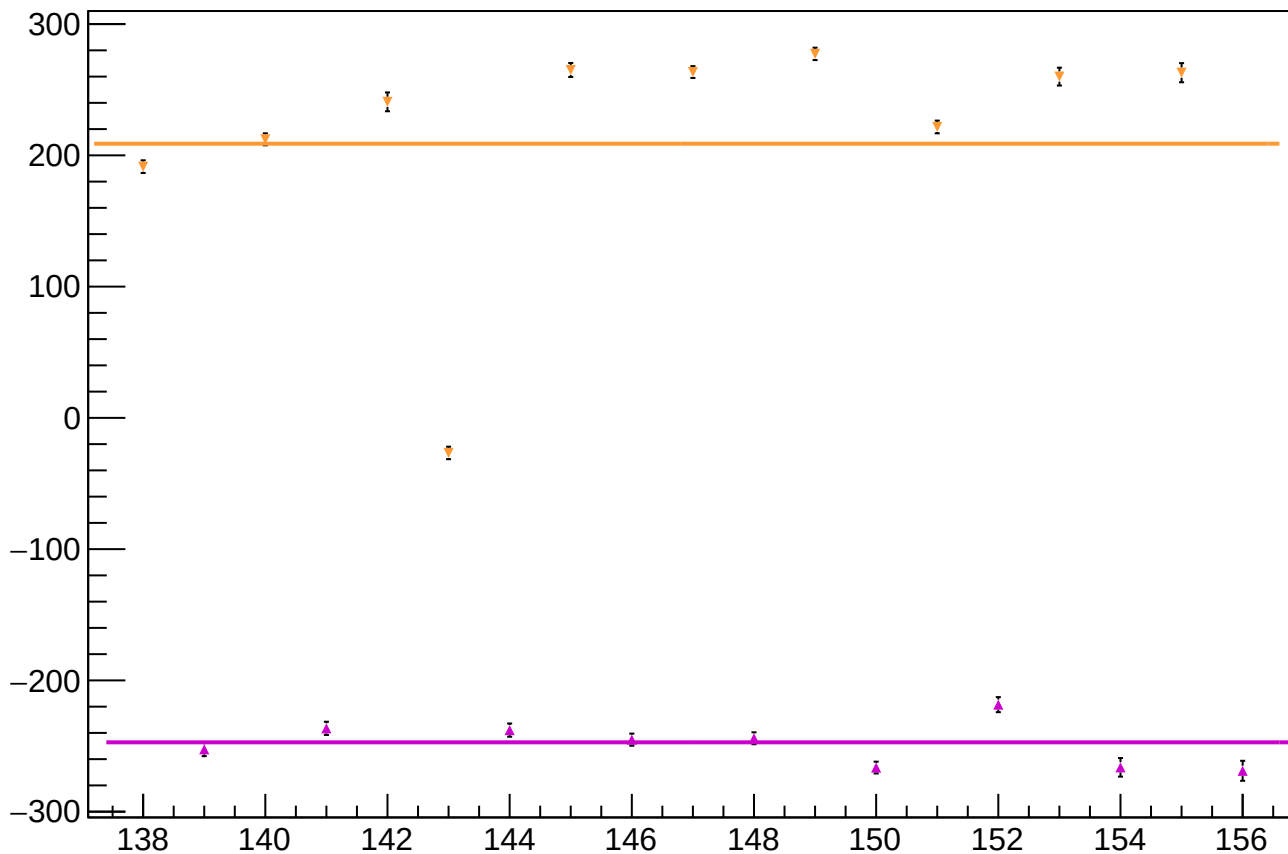
Left In: 164.485+/-0.078 χ^2/NDF : 54992.2/8

-134.133+/-0.055 χ^2/NDF : 629877.3/26

3.269+/-0.038 χ^2/NDF : 13549073.4/55

133.062+/-0.053 χ^2/NDF : 680163.6/28

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 208.873 ± 1.653 $\chi^2/\text{NDF}: 3073.9/9$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

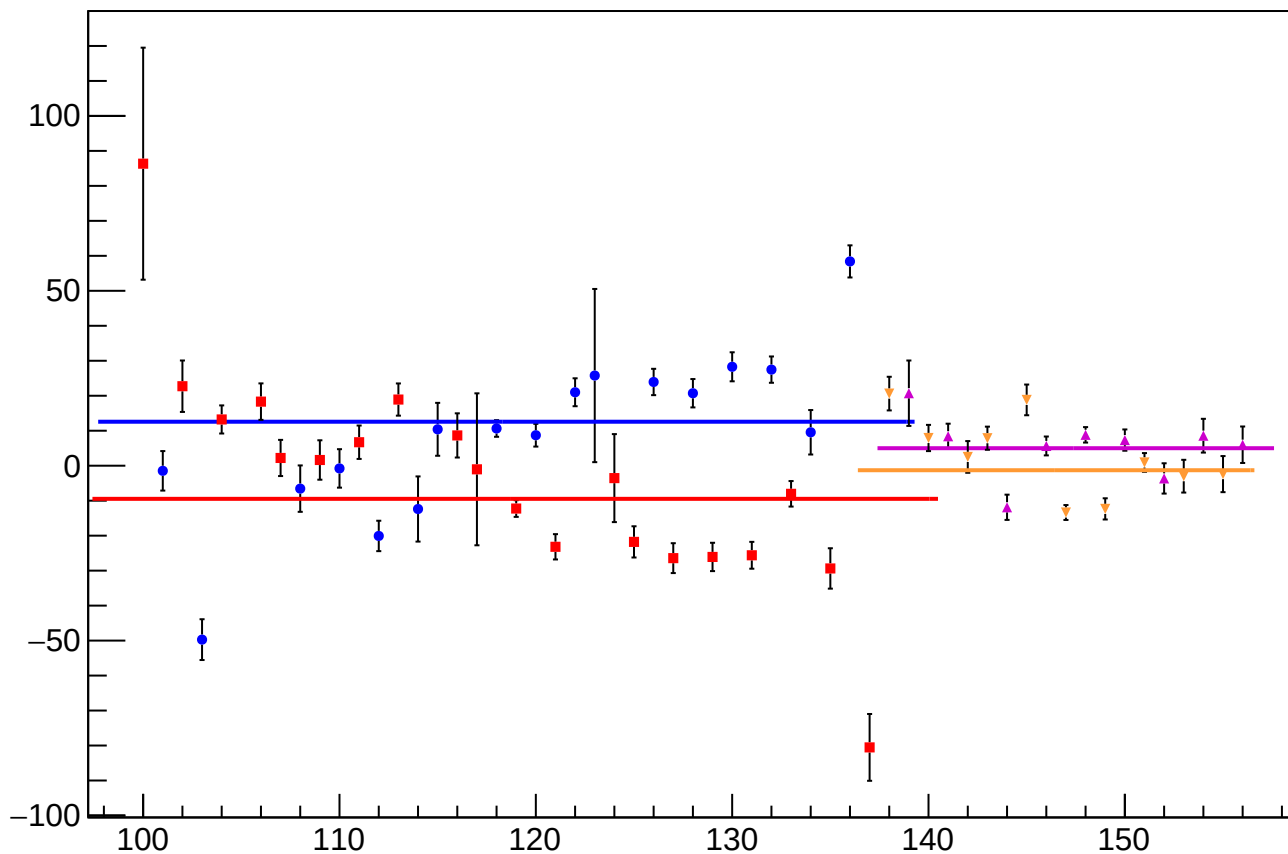
Left In: -247.174 ± 1.750 $\chi^2/\text{NDF}: 68.0/8$

208.873 ± 1.653 $\chi^2/\text{NDF}: 3073.9/9$

-6.086 ± 1.202 $\chi^2/\text{NDF}: 39039.4/18$

-247.174 ± 1.750 $\chi^2/\text{NDF}: 68.0/8$

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.574+/-1.074 χ^2/NDF : 348.0/16

Left Out: -1.295+/-1.079 χ^2/NDF : 102.5/9

Right Out: -9.474+/-1.046 χ^2/NDF : 296.0/19

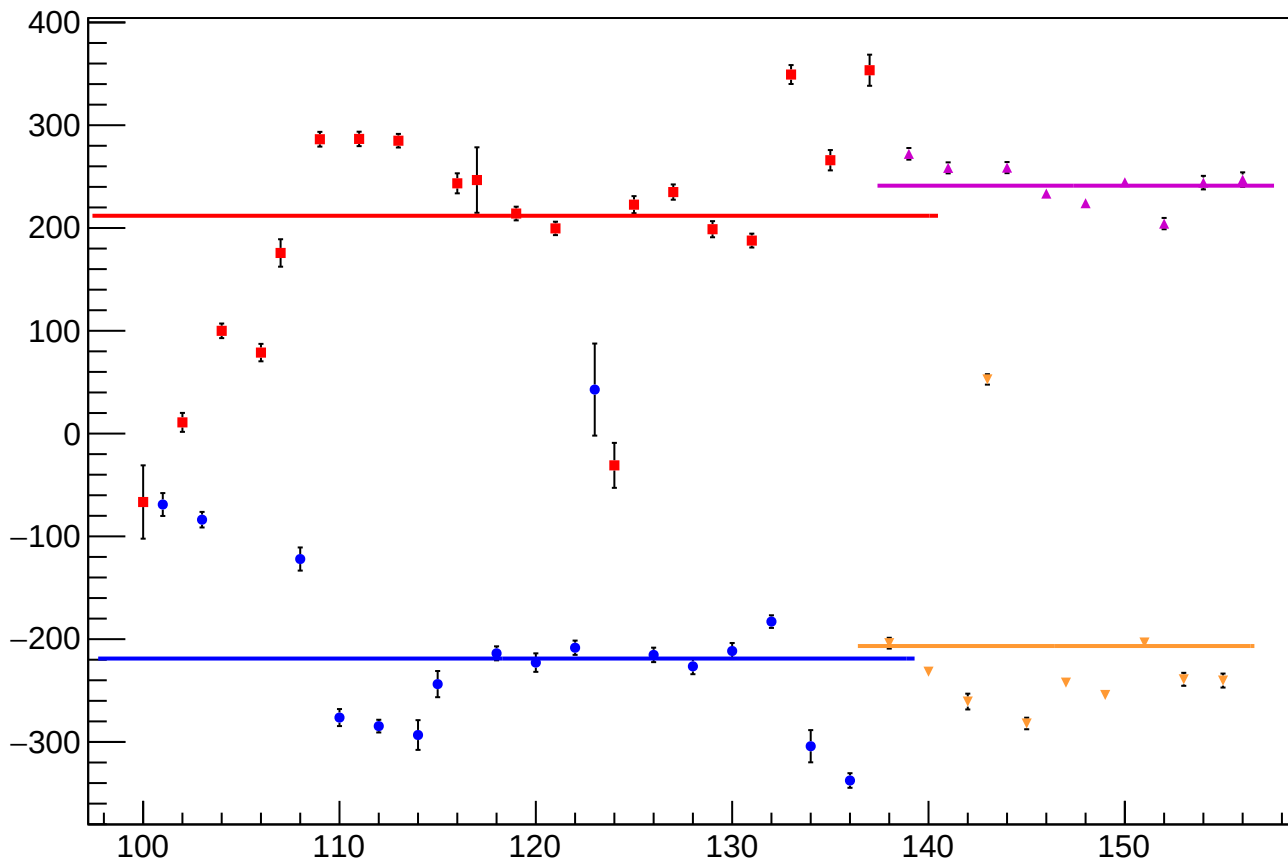
Left In: 5.001+/-1.155 χ^2/NDF : 33.8/8

5.675+/-0.761 χ^2/NDF : 533.4/26

1.440+/-0.543 χ^2/NDF : 1012.5/55

-2.953+/-0.776 χ^2/NDF : 416.0/28

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -218.855 ± 2.023 $\chi^2/\text{NDF}: 1146.6/16$

Left Out: -206.678 ± 1.651 $\chi^2/\text{NDF}: 3105.6/9$

Right Out: 211.907 ± 1.920 $\chi^2/\text{NDF}: 1886.4/19$

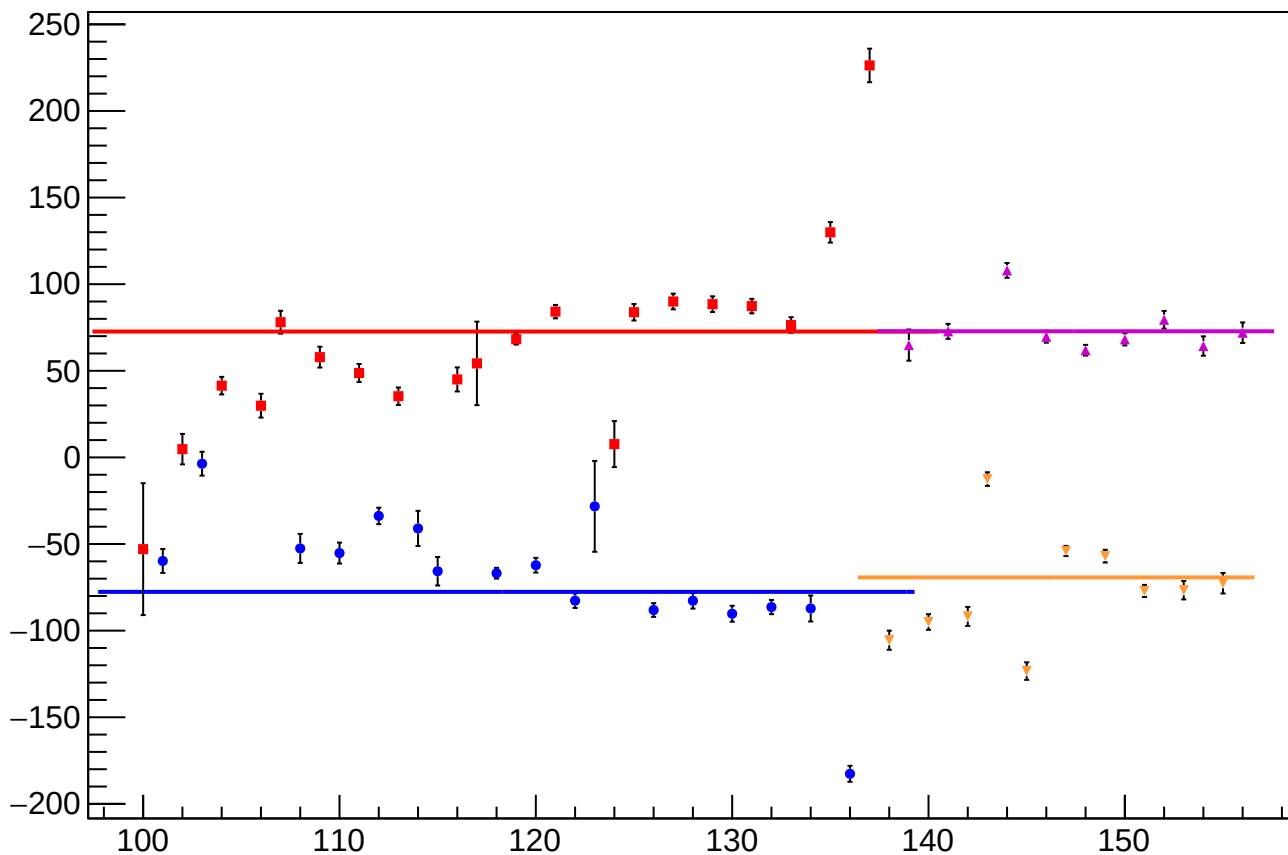
Left In: 241.172 ± 1.719 $\chi^2/\text{NDF}: 116.2/8$

-211.547 ± 1.279 $\chi^2/\text{NDF}: 4273.9/26$

7.984 ± 0.905 $\chi^2/\text{NDF}: 65420.6/55$

228.154 ± 1.281 $\chi^2/\text{NDF}: 2131.5/28$

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -77.612 ± 1.236 χ^2/NDF : 815.9/16

Left Out: -69.275 ± 1.343 χ^2/NDF : 458.5/9

Right Out: 72.664 ± 1.205 χ^2/NDF : 672.0/19

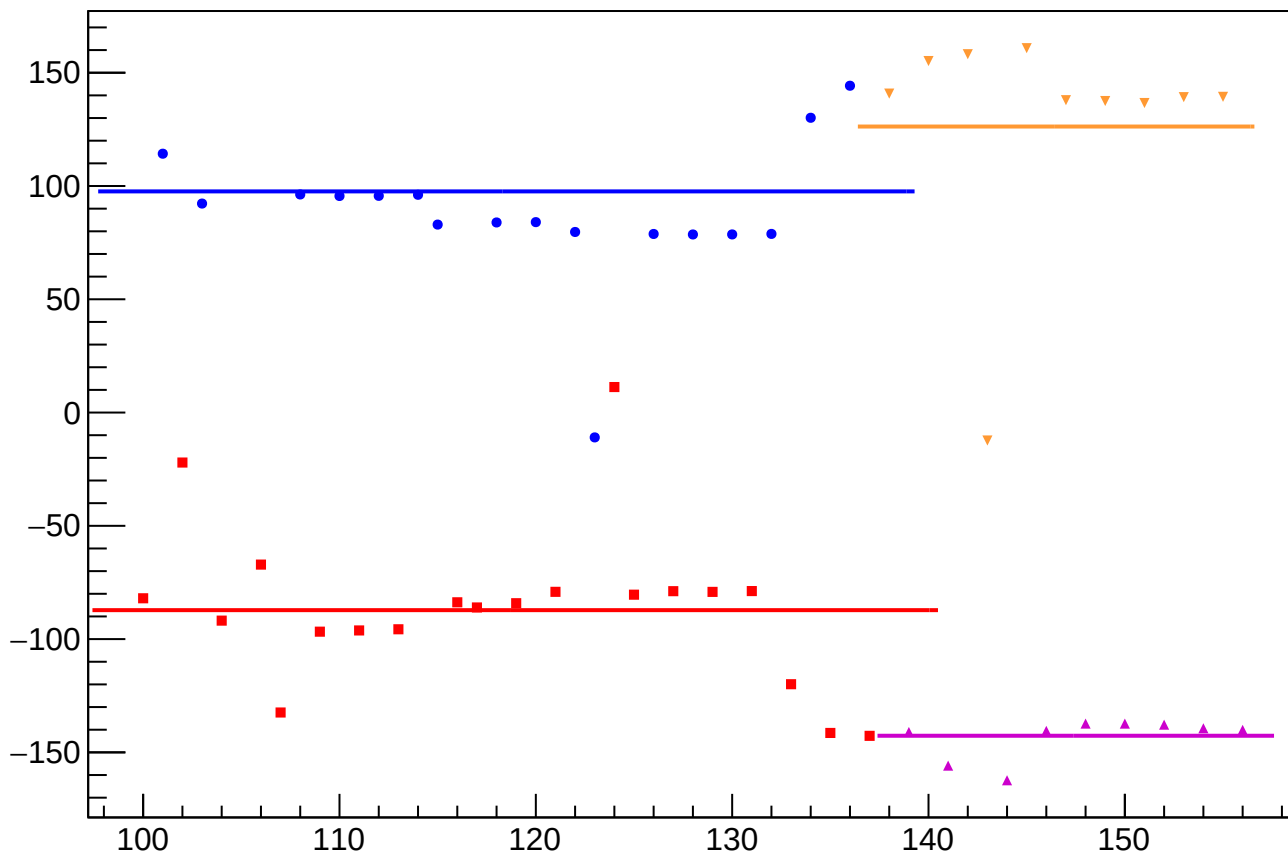
Left In: 72.807 ± 1.431 χ^2/NDF : 87.4/8

-73.787 ± 0.910 χ^2/NDF : 1295.3/26

-1.496 ± 0.647 χ^2/NDF : 14854.7/55

72.723 ± 0.922 χ^2/NDF : 759.4/28

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 97.620+/-0.074 χ^2/NDF : 94045.2/16

Left Out: 126.249+/-0.068 χ^2/NDF : 539936.7/9

Right Out: -87.224+/-0.068 χ^2/NDF : 220851.2/19

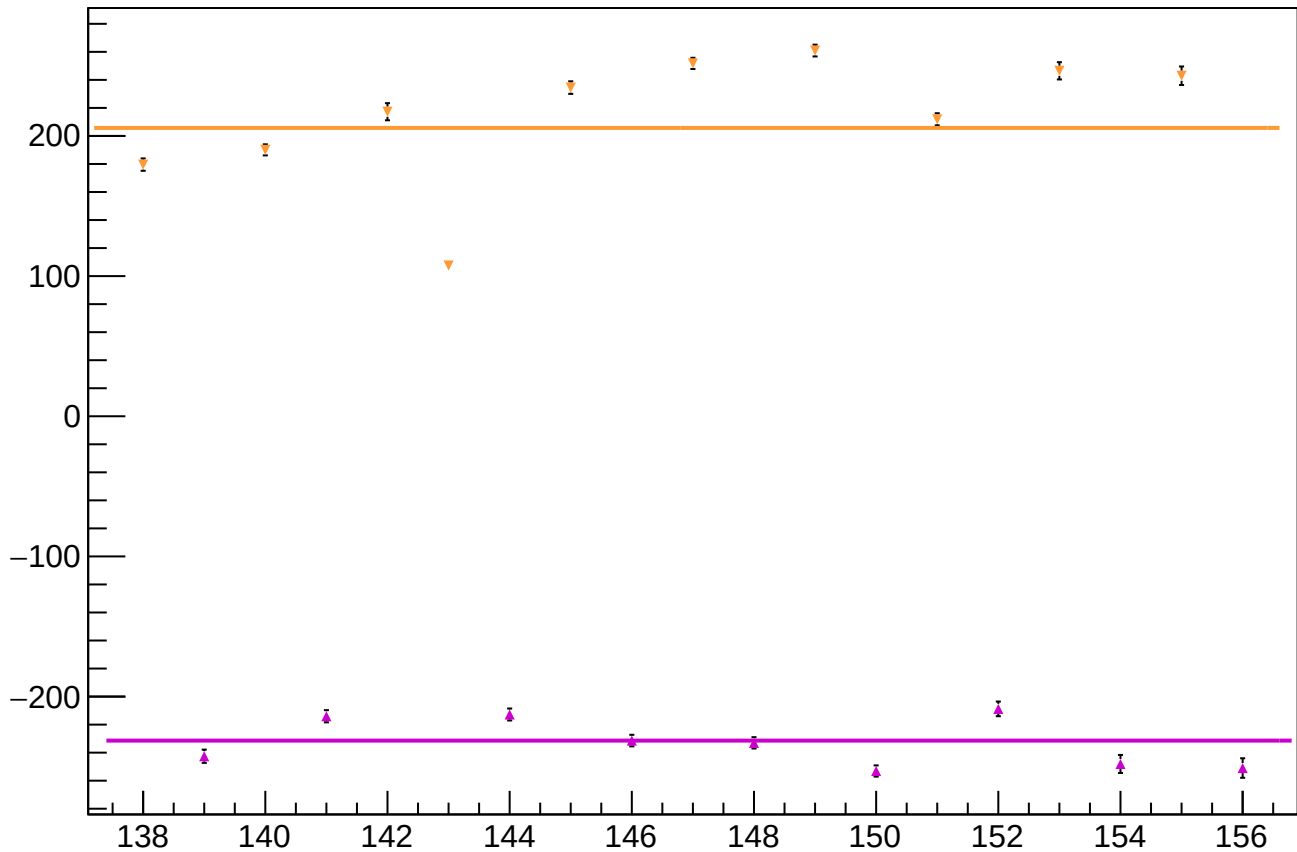
Left In: -142.662+/-0.069 χ^2/NDF : 13368.8/8

113.051+/-0.050 χ^2/NDF : 715288.9/26

-3.875+/-0.035 χ^2/NDF : 11892914.9/55

-114.430+/-0.049 χ^2/NDF : 558547.8/28

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 205.725+/-1.428 χ^2/NDF : 1227.1/9

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

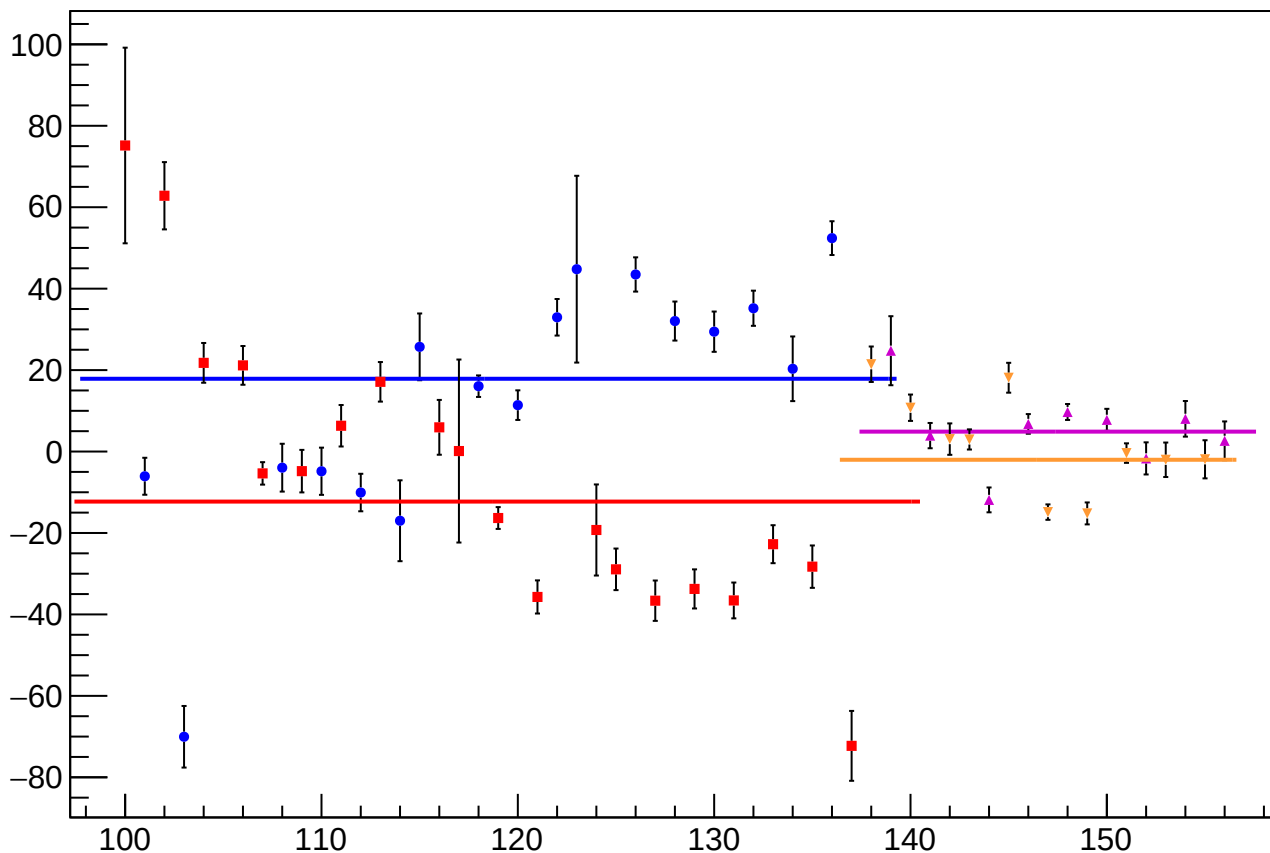
Left In: -231.410+/-1.551 χ^2/NDF : 103.3/8

205.725+/-1.428 χ^2/NDF : 1227.1/9

5.221+/-1.051 χ^2/NDF : 44311.3/18

-231.410+/-1.551 χ^2/NDF : 103.3/8

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.872 ± 1.166 χ^2/NDF : 395.3/16

Left Out: -2.020 ± 0.935 χ^2/NDF : 151.0/9

Right Out: -12.288 ± 1.082 χ^2/NDF : 444.4/19

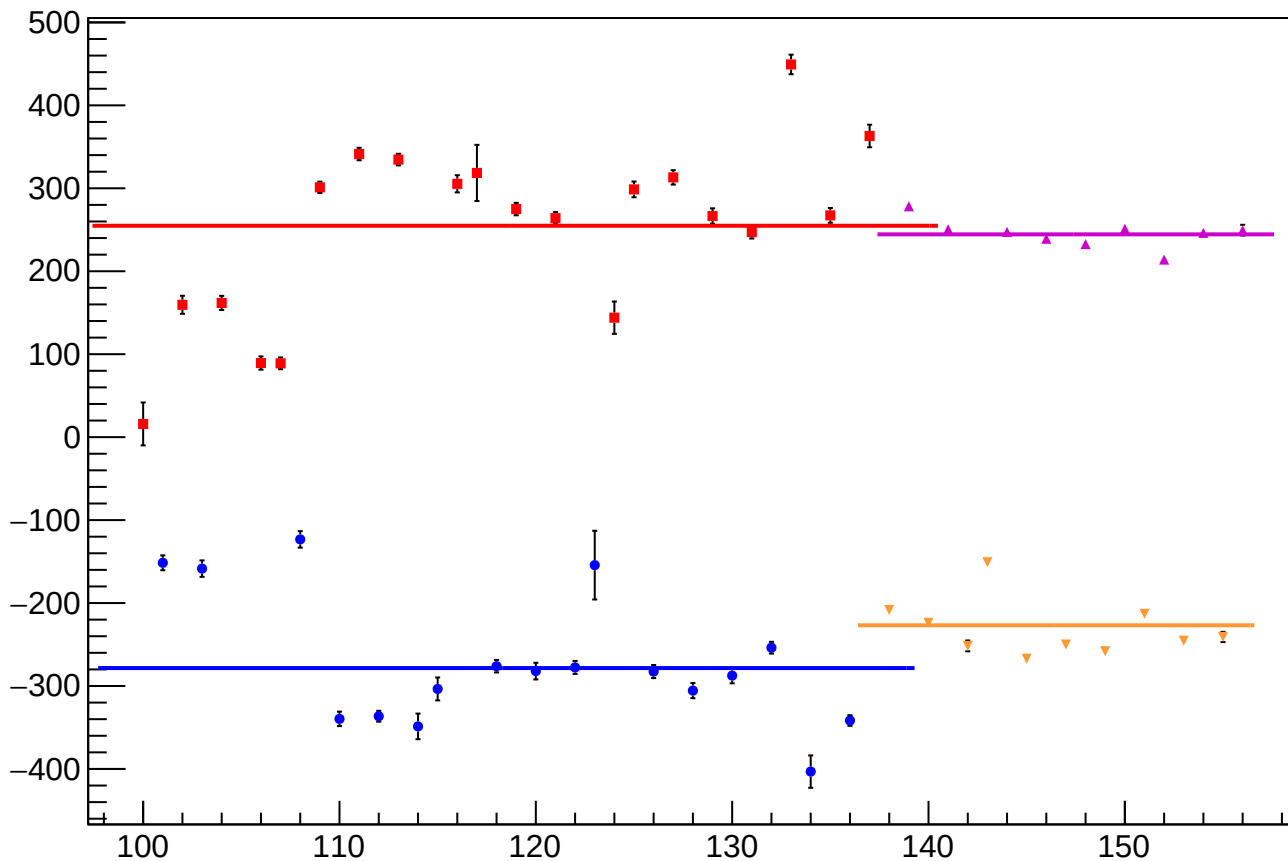
Left In: 4.889 ± 1.023 χ^2/NDF : 47.2/8

5.763 ± 0.729 χ^2/NDF : 723.6/26

1.359 ± 0.521 χ^2/NDF : 1422.6/55

-3.216 ± 0.743 χ^2/NDF : 624.6/28

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -278.380+/-2.185 χ^2/NDF : 910.6/16

Left Out: -226.834+/-1.433 χ^2/NDF : 625.2/9

Right Out: 254.830+/-2.016 χ^2/NDF : 2041.0/19

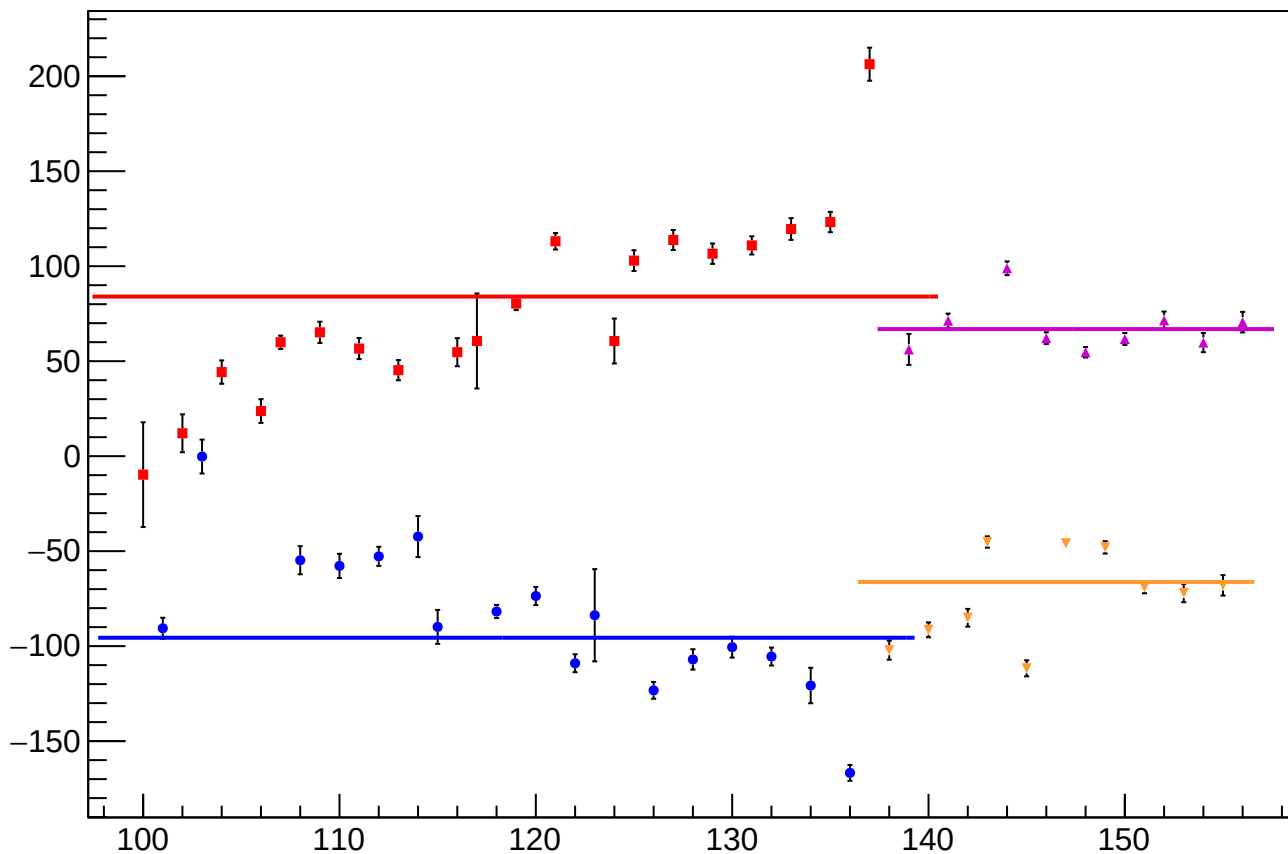
Left In: 244.471+/-1.526 χ^2/NDF : 97.6/8

-242.332+/-1.198 χ^2/NDF : 1925.0/26

-0.866+/-0.854 χ^2/NDF : 86617.3/55

248.244+/-1.217 χ^2/NDF : 2155.4/28

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -95.576 ± 1.340 χ^2/NDF : 671.2/16

Left Out: -66.229 ± 1.161 χ^2/NDF : 369.8/9

Right Out: 84.003 ± 1.255 χ^2/NDF : 784.1/19

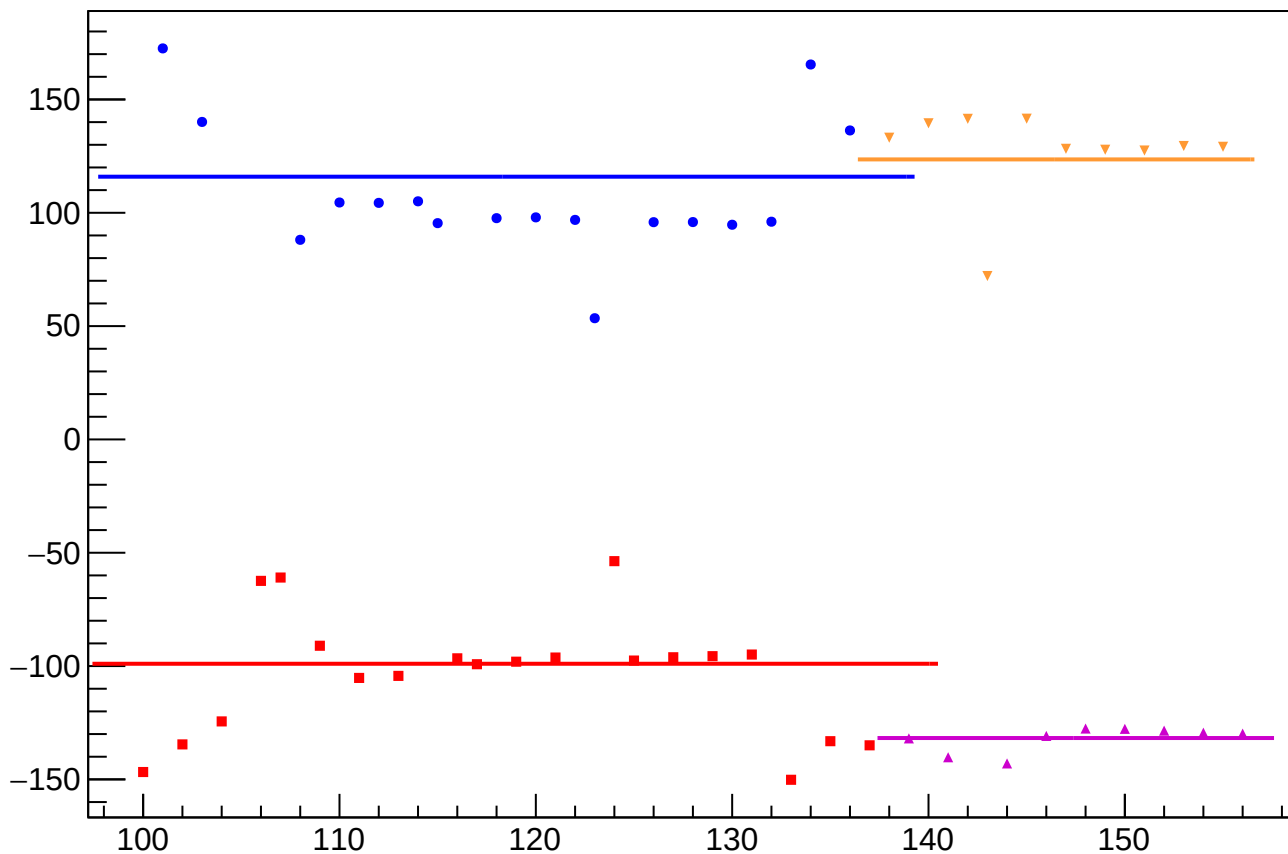
Left In: 66.899 ± 1.267 χ^2/NDF : 109.9/8

-78.808 ± 0.878 χ^2/NDF : 1314.9/26

-2.880 ± 0.626 χ^2/NDF : 17517.3/55

75.534 ± 0.892 χ^2/NDF : 985.9/28

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 115.927 $\pm$ 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

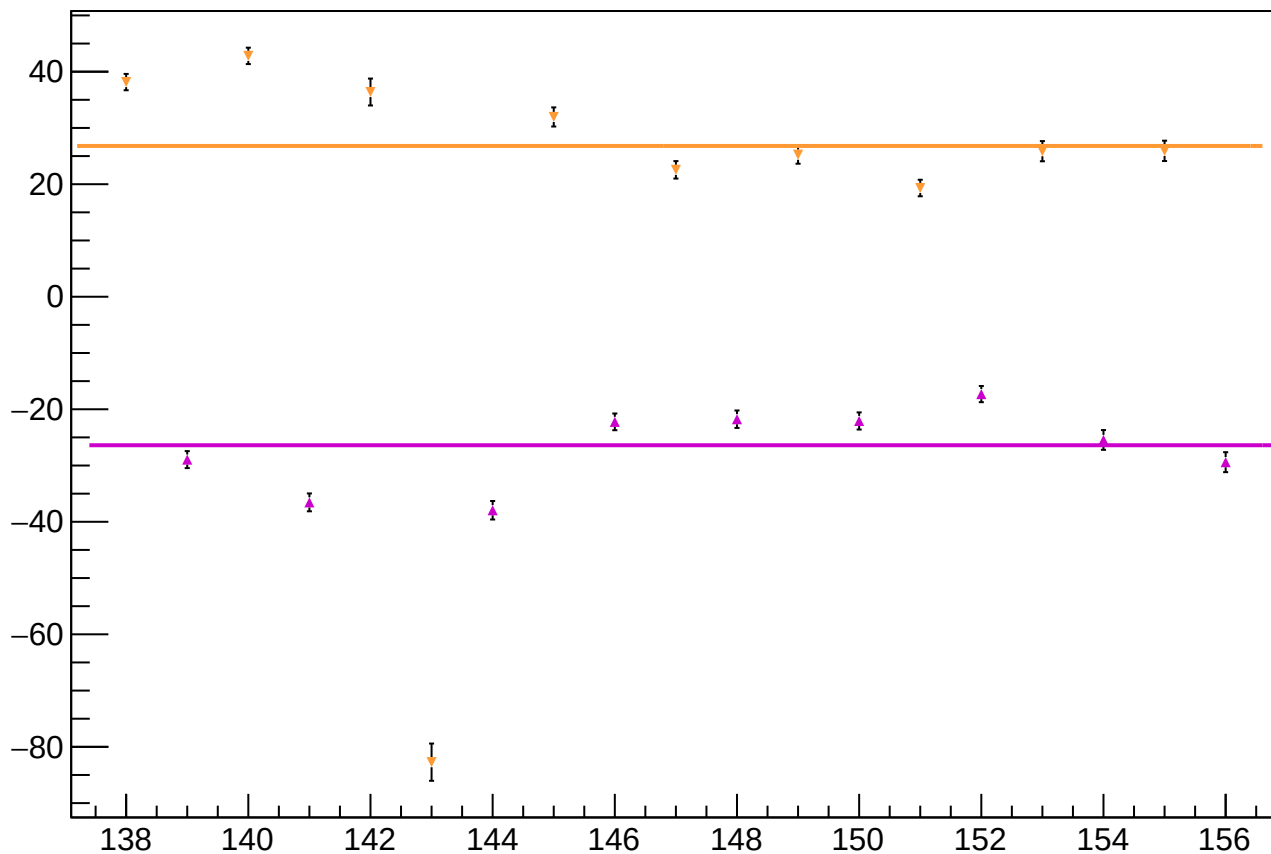
Left In: -131.751 $\pm$ 0.062 χ^2 /NDF: 7020.1/8

120.786 $\pm$ 0.047 χ^2 /NDF: 251527.7/26

-1.528 $\pm$ 0.033 χ^2 /NDF: 13599088.2/55

-117.034 $\pm$ 0.046 χ^2 /NDF: 306125.0/28

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 26.800+/-0.539 χ^2/NDF :1336.1/9

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

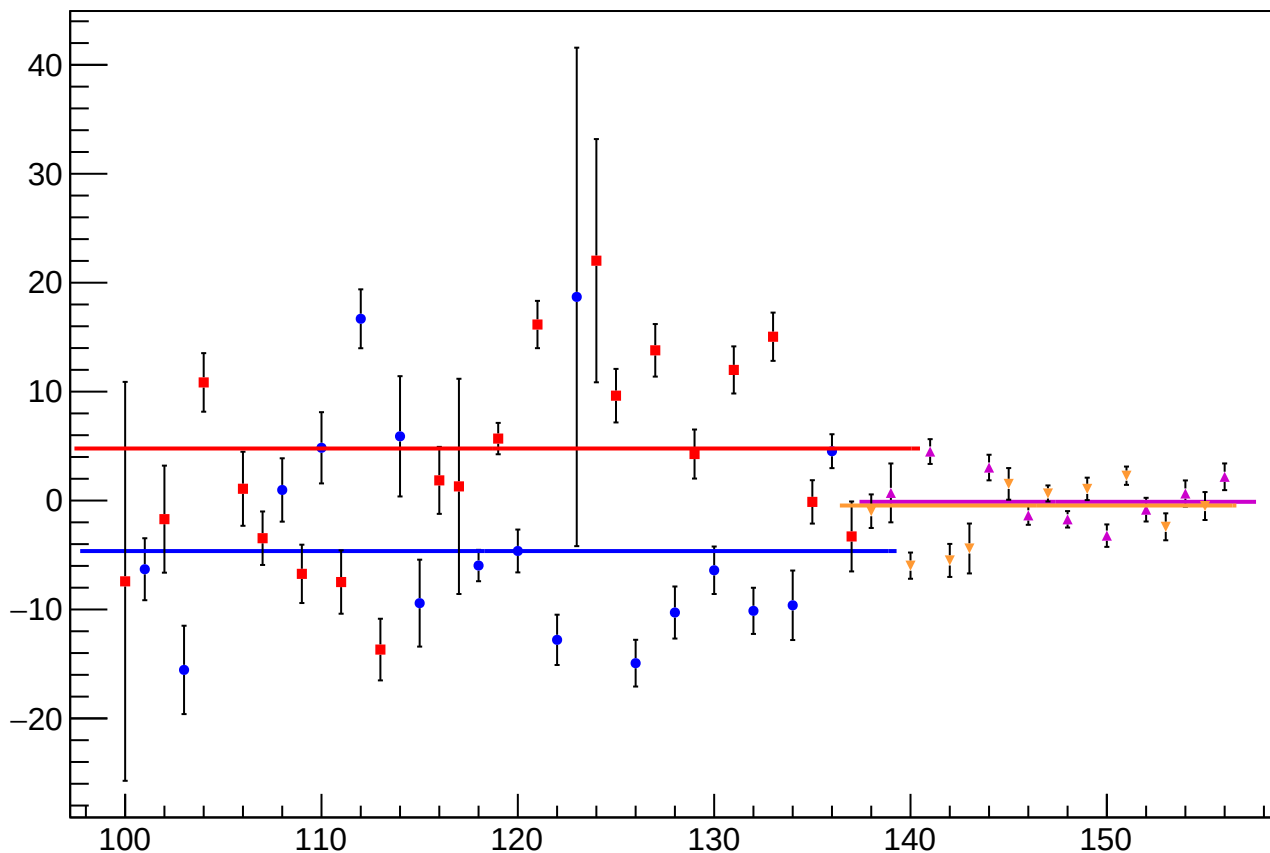
Left In: -26.395+/-0.525 χ^2/NDF :161.2/8

26.800+/-0.539 χ^2/NDF : 1336.1/9

-0.522+/-0.376 χ^2/NDF : 6499.3/18

-26.395+/-0.525 χ^2/NDF : 161.2/8

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.637 ± 0.588 χ^2/NDF : 174.4/16

Left Out: -0.455 ± 0.361 χ^2/NDF : 54.6/9

Right Out: 4.779 ± 0.583 χ^2/NDF : 192.7/19

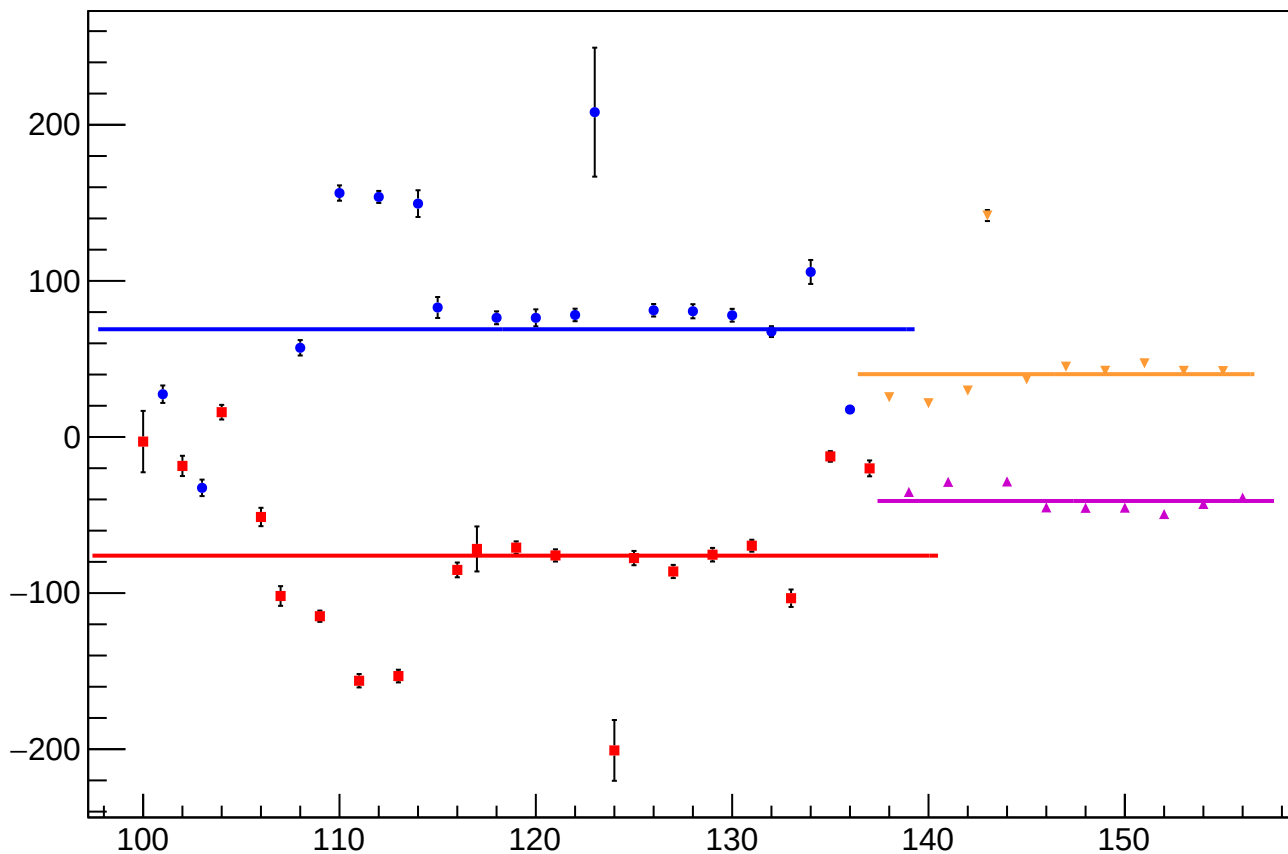
Left In: -0.116 ± 0.356 χ^2/NDF : 43.8/8

-1.602 ± 0.308 χ^2/NDF : 265.8/26

-0.178 ± 0.216 χ^2/NDF : 595.8/55

1.214 ± 0.304 χ^2/NDF : 287.7/28

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 69.019+/-1.083 χ^2/NDF : 1848.0/16

Left Out: 40.245+/-0.534 χ^2/NDF : 1119.1/9

Right Out: -76.017+/-1.067 χ^2/NDF : 1882.0/19

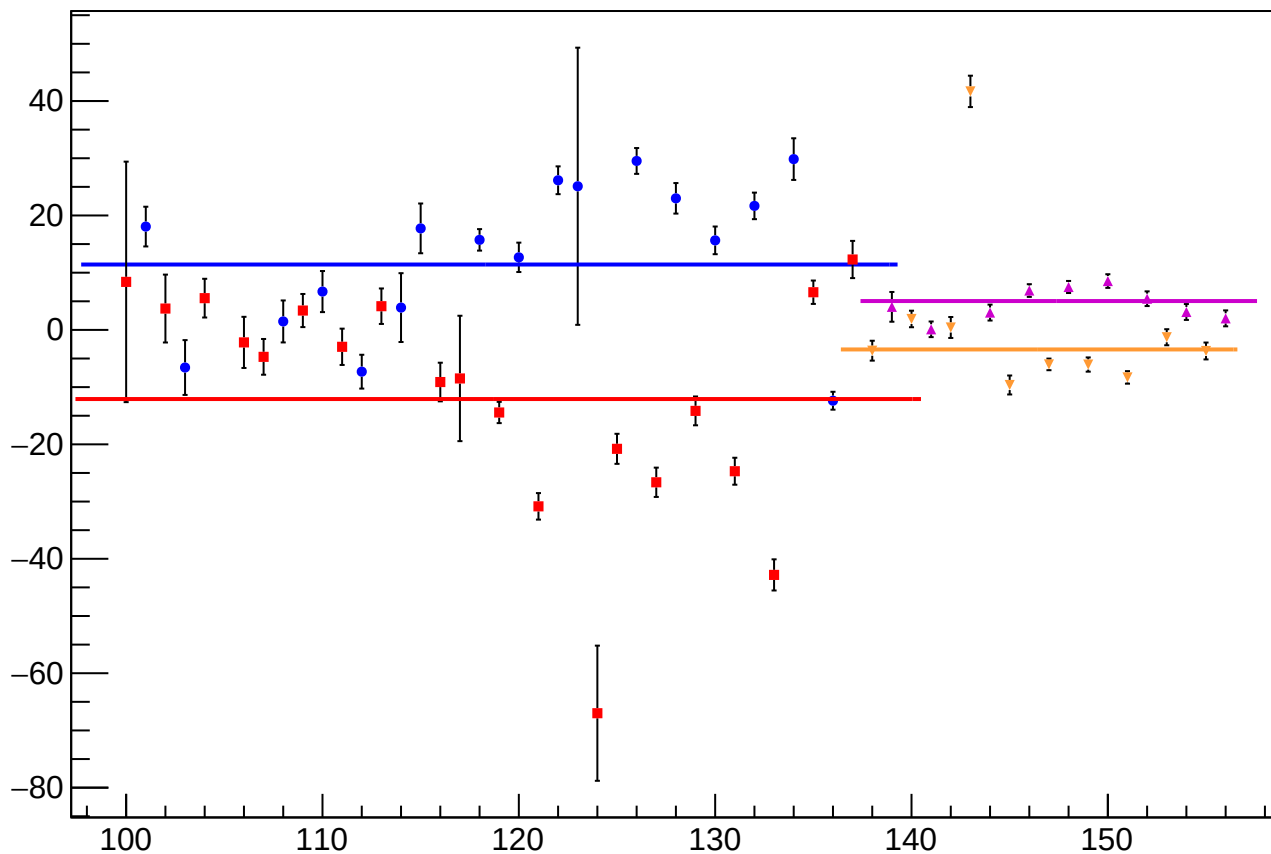
Left In: -40.991+/-0.514 χ^2/NDF : 182.2/8

45.870+/-0.479 χ^2/NDF : 3534.6/26

-2.443+/-0.333 χ^2/NDF : 26150.6/55

-47.589+/-0.463 χ^2/NDF : 2938.9/28

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.428 ± 0.665 χ^2/NDF : 476.8/16

Left Out: -3.415 ± 0.446 χ^2/NDF : 335.8/9

Right Out: -12.082 ± 0.663 χ^2/NDF : 539.2/19

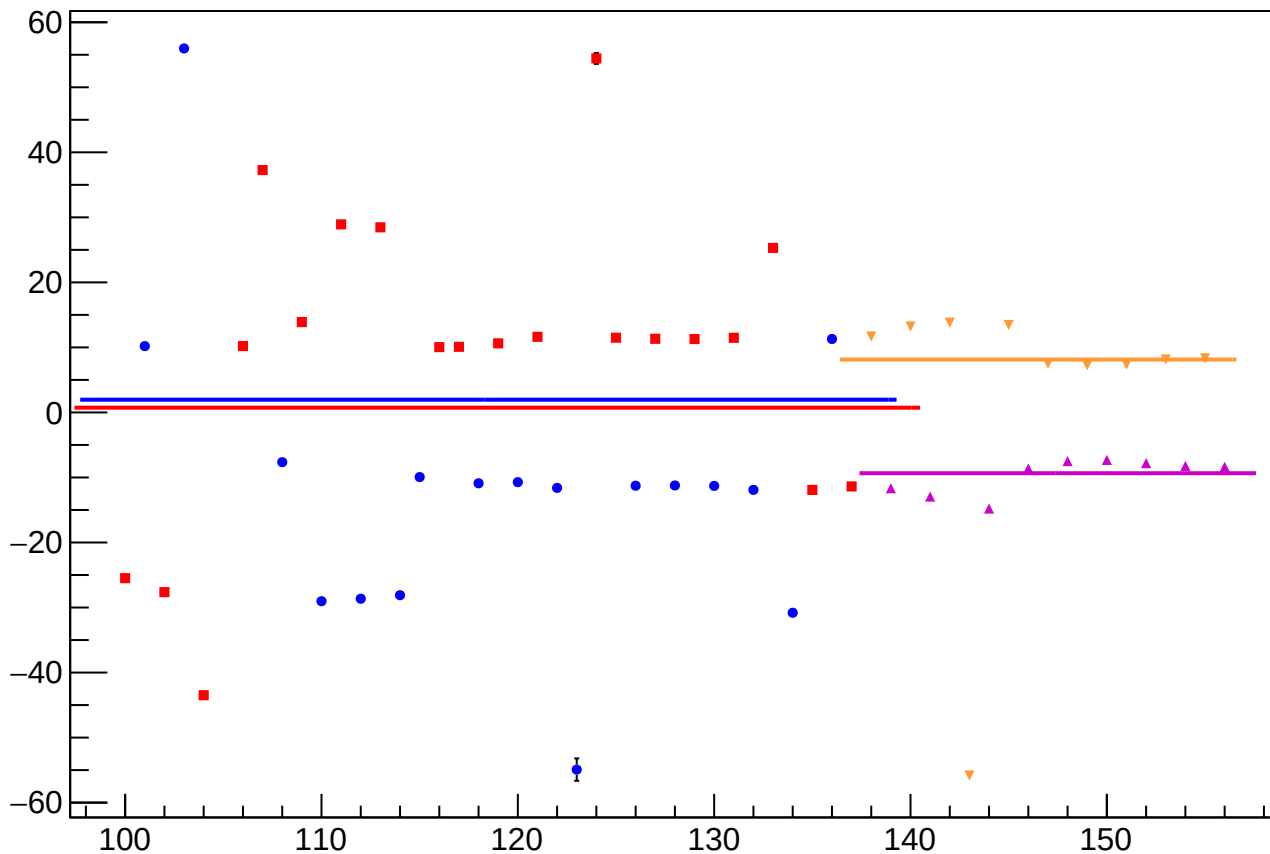
Left In: 5.044 ± 0.436 χ^2/NDF : 38.8/8

1.186 ± 0.371 χ^2/NDF : 1155.9/26

0.516 ± 0.260 χ^2/NDF : 2206.2/55

-0.133 ± 0.364 χ^2/NDF : 1043.9/28

reg_asym_atl_dd_atr_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

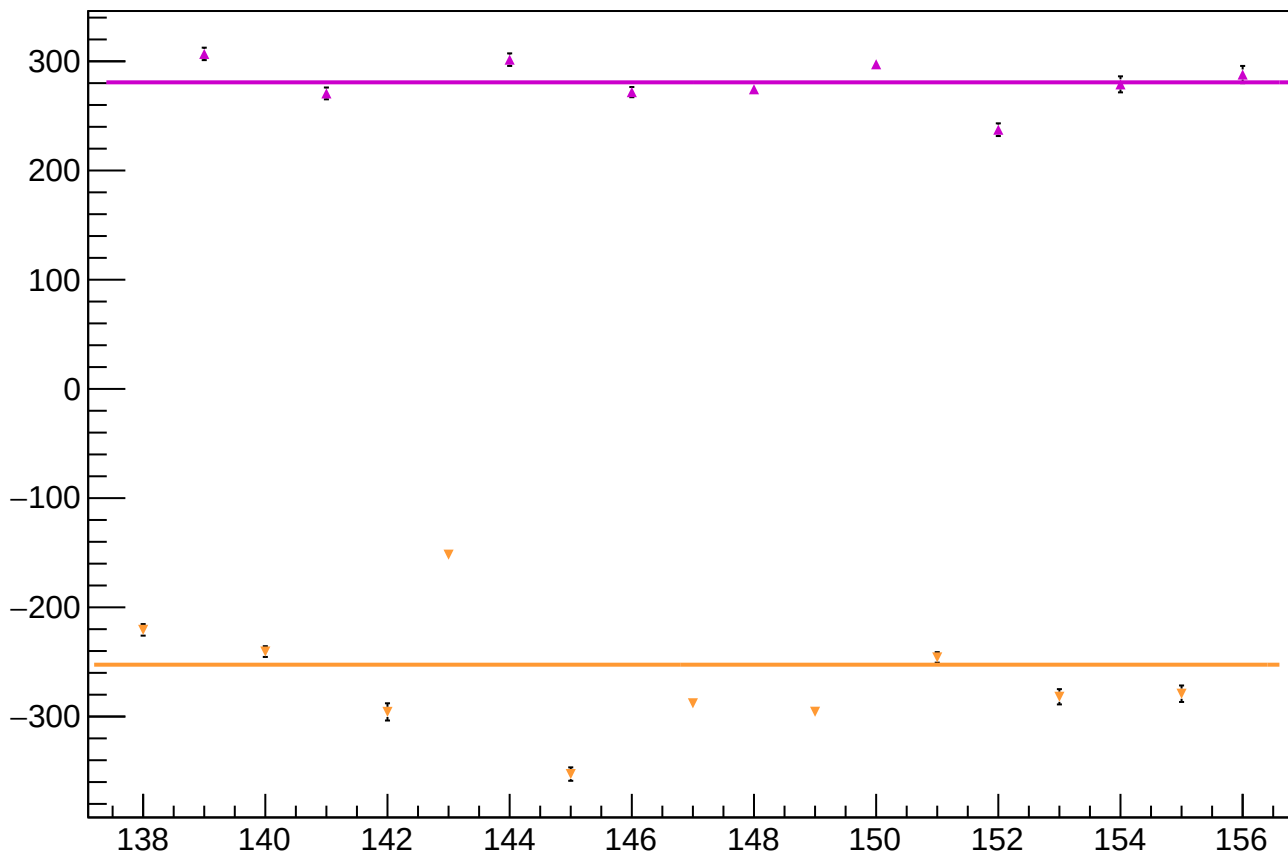
Left In: -9.345+/-0.020 χ^2/NDF :13099.9/8

6.567+/-0.019 χ^2/NDF : 601491.8/26

-0.558+/-0.013 χ^2/NDF : 1309871.4/55

-7.020+/-0.018 χ^2/NDF : 431350.6/28

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -252.518+/-1.662 χ^2/NDF : 1158.3/9

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

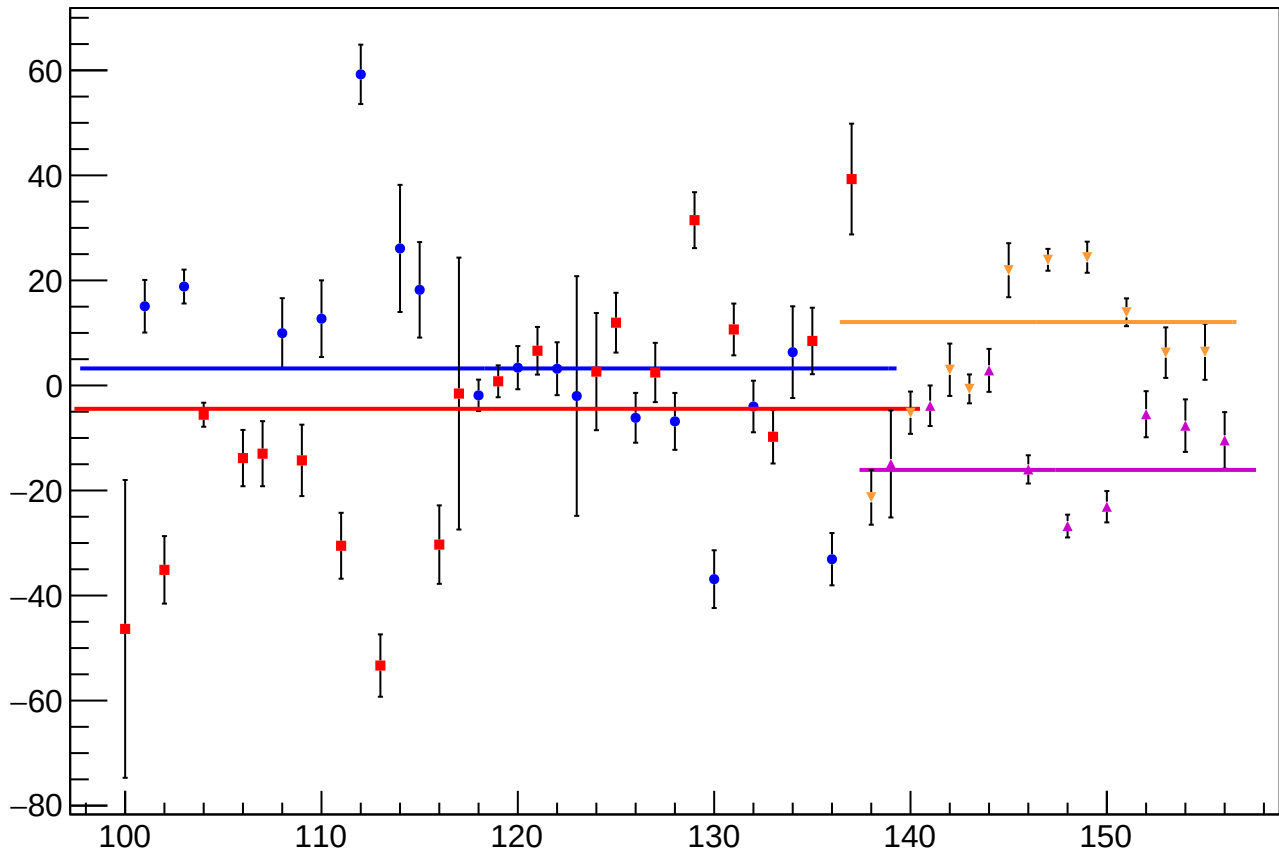
Left In: 280.735+/-1.808 χ^2/NDF : 113.5/8

-252.518+/-1.662 χ^2/NDF : 1158.3/9

-8.245+/-1.223 χ^2/NDF : 48432.1/18

280.735+/-1.808 χ^2/NDF : 113.5/8

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.237 ± 1.244 χ^2/NDF : 255.3/16

Left Out: 12.072 ± 1.069 χ^2/NDF : 140.4/9

Right Out: -4.444 ± 1.156 χ^2/NDF : 225.8/19

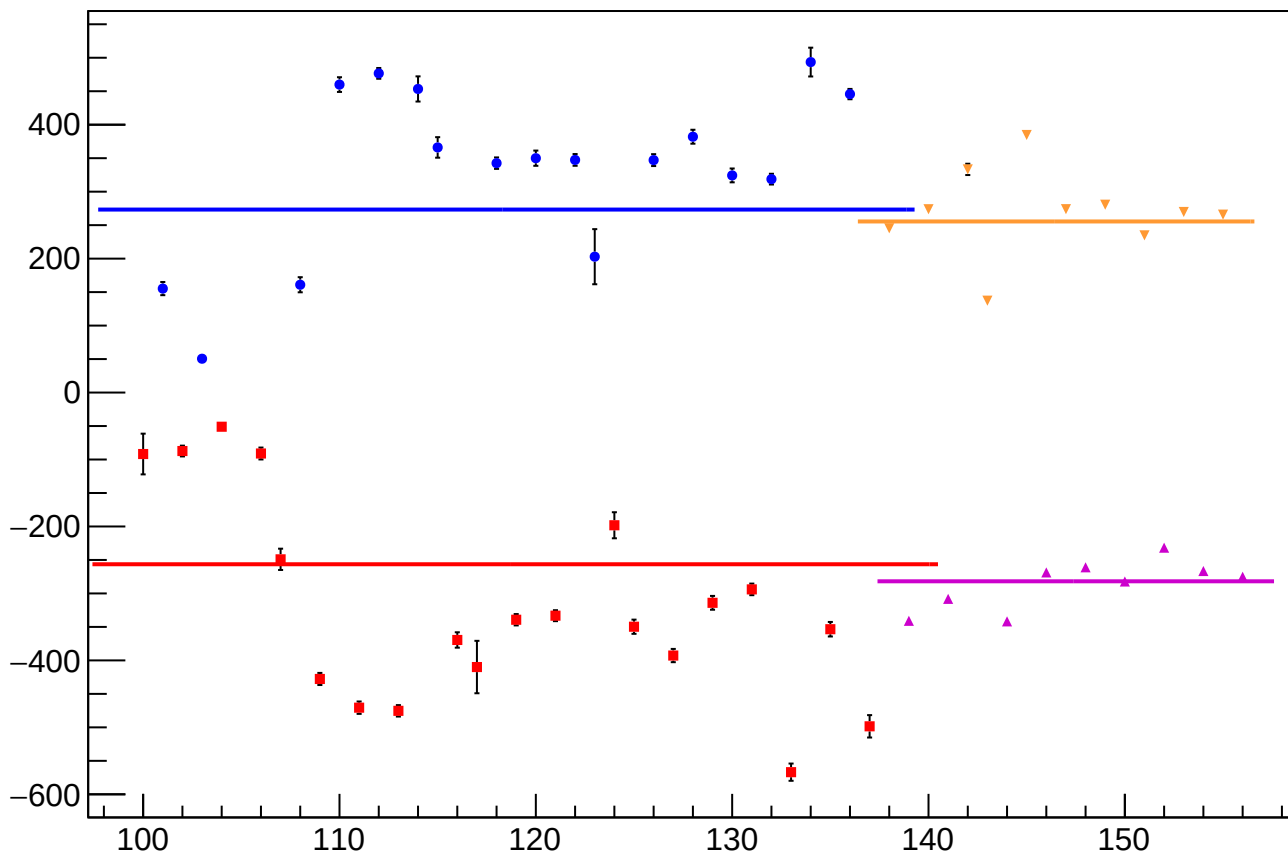
Left In: -16.080 ± 1.174 χ^2/NDF : 71.0/8

8.316 ± 0.811 χ^2/NDF : 424.7/26

-0.782 ± 0.578 χ^2/NDF : 1027.1/55

-10.171 ± 0.824 χ^2/NDF : 346.6/28

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 273.276 ± 2.205 χ^2/NDF : 5101.5/16

Left Out: 255.512 ± 1.657 χ^2/NDF : 1353.1/9

Right Out: -256.418 ± 2.077 χ^2/NDF : 6453.9/19

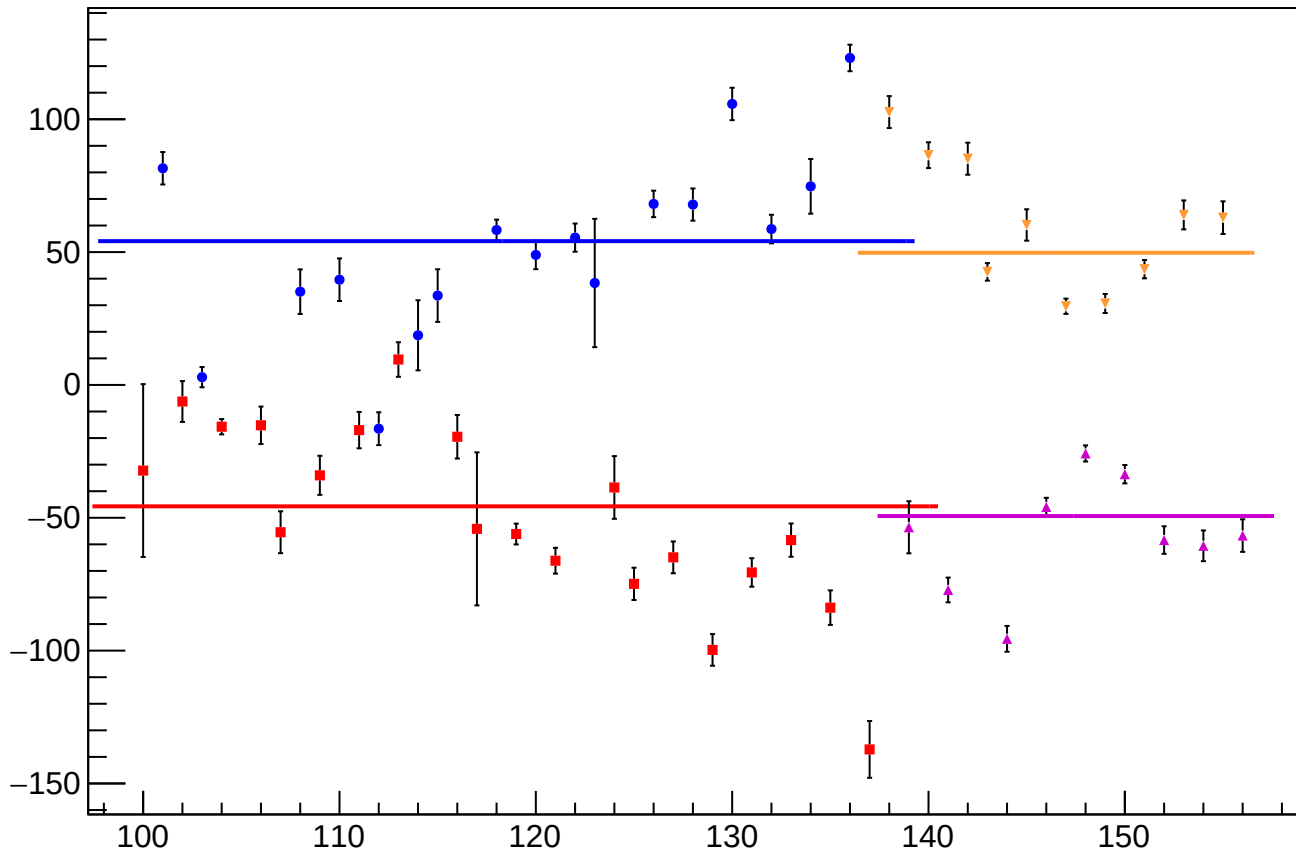
Left In: -281.874 ± 1.766 χ^2/NDF : 327.2/8

261.923 ± 1.324 χ^2/NDF : 6496.1/26

-0.445 ± 0.944 χ^2/NDF : 93108.1/55

-271.192 ± 1.345 χ^2/NDF : 6868.3/28

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 54.119 ± 1.438 χ^2/NDF : 633.9/16

Left Out: 49.757 ± 1.335 χ^2/NDF : 269.1/9

Right Out: -45.694 ± 1.356 χ^2/NDF : 531.1/19

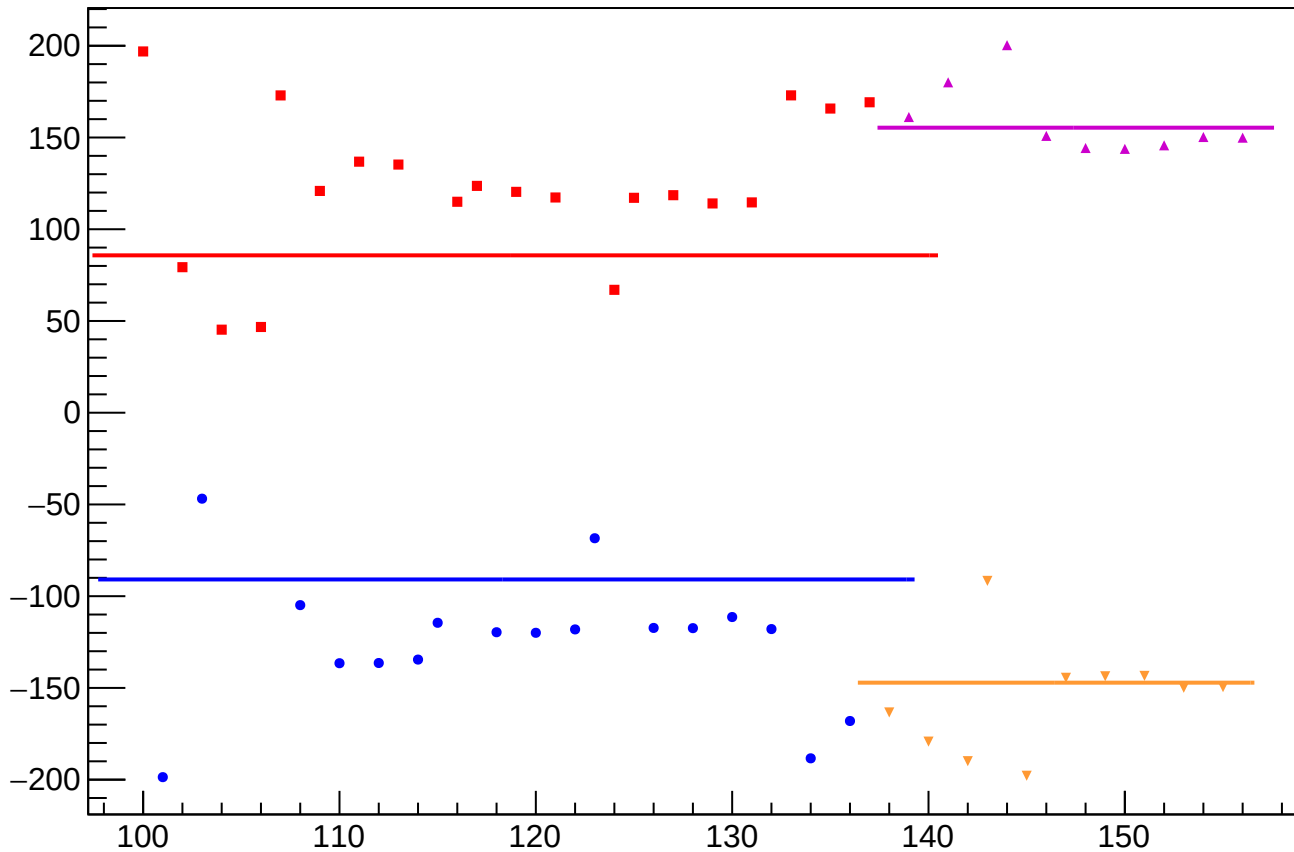
Left In: -49.344 ± 1.461 χ^2/NDF : 216.6/8

51.776 ± 0.978 χ^2/NDF : 908.0/26

2.981 ± 0.697 χ^2/NDF : 6715.7/55

-47.383 ± 0.994 χ^2/NDF : 751.1/28

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -90.881 ± 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 $\chi^2/\text{NDF}: 494629.5/19$

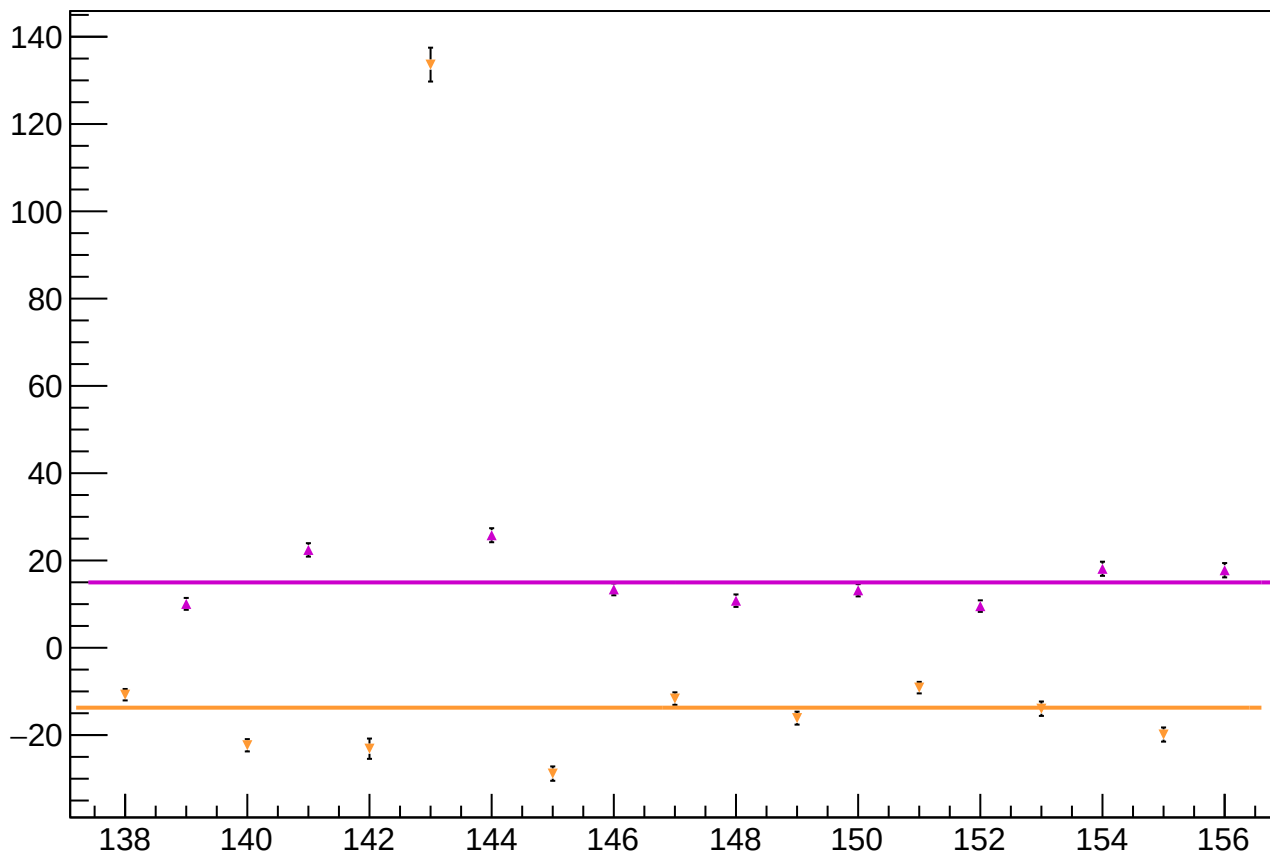
Left In: 155.350 ± 0.072 $\chi^2/\text{NDF}: 51188.6/8$

-118.642 ± 0.048 $\chi^2/\text{NDF}: 1060388.4/26$

-0.512 ± 0.034 $\chi^2/\text{NDF}: 14106784.9/55$

117.217 ± 0.048 $\chi^2/\text{NDF}: 1063290.7/28$

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -13.723+/-0.503 χ^2/NDF :1615.2/9

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

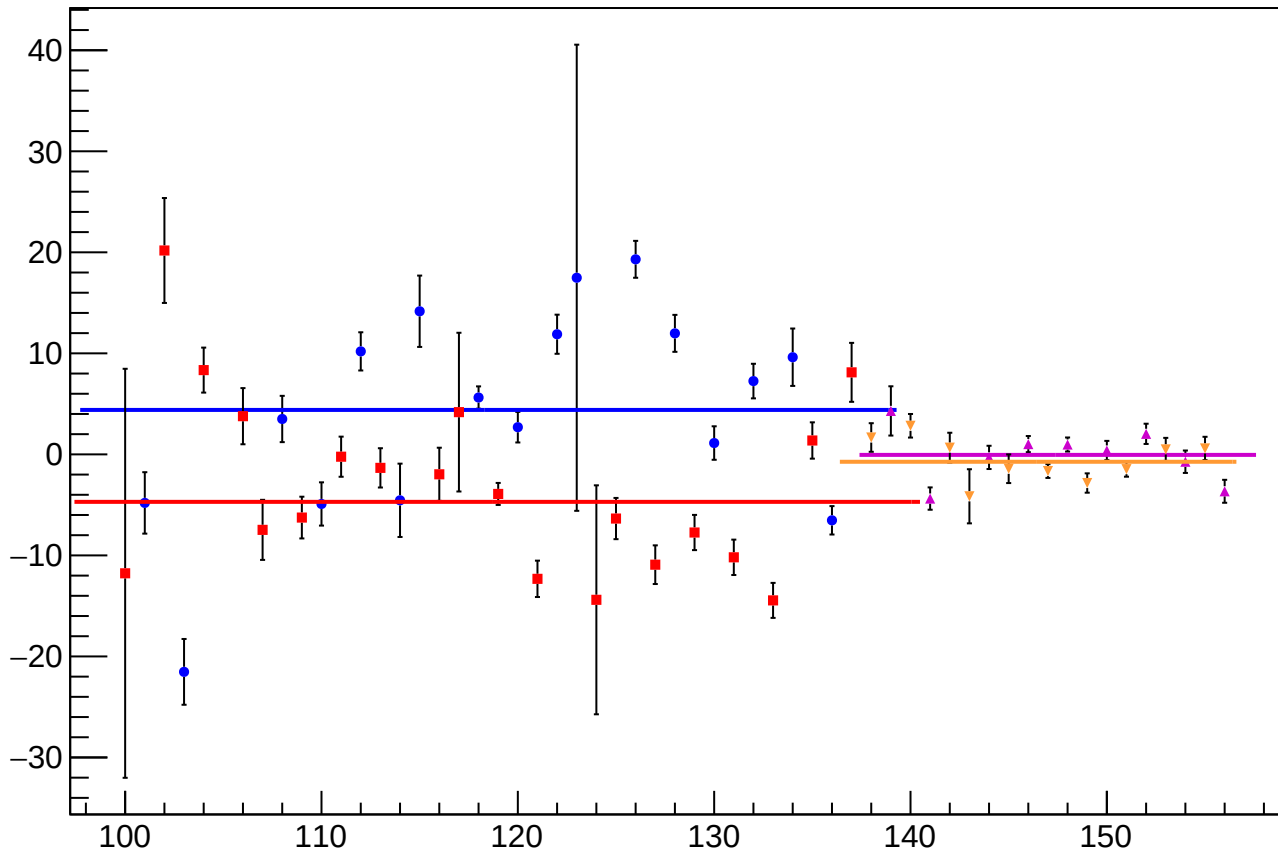
Left In: 14.974+/-0.488 χ^2/NDF :116.7/8

-13.723+/-0.503 χ^2/NDF : 1615.2/9

1.045+/-0.350 χ^2/NDF : 3409.7/18

14.974+/-0.488 χ^2/NDF : 116.7/8

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.399 ± 0.471 $\chi^2/\text{NDF}: 286.8/16$

Left Out: -0.732 ± 0.336 $\chi^2/\text{NDF}: 25.0/9$

Right Out: -4.700 ± 0.472 $\chi^2/\text{NDF}: 184.2/19$

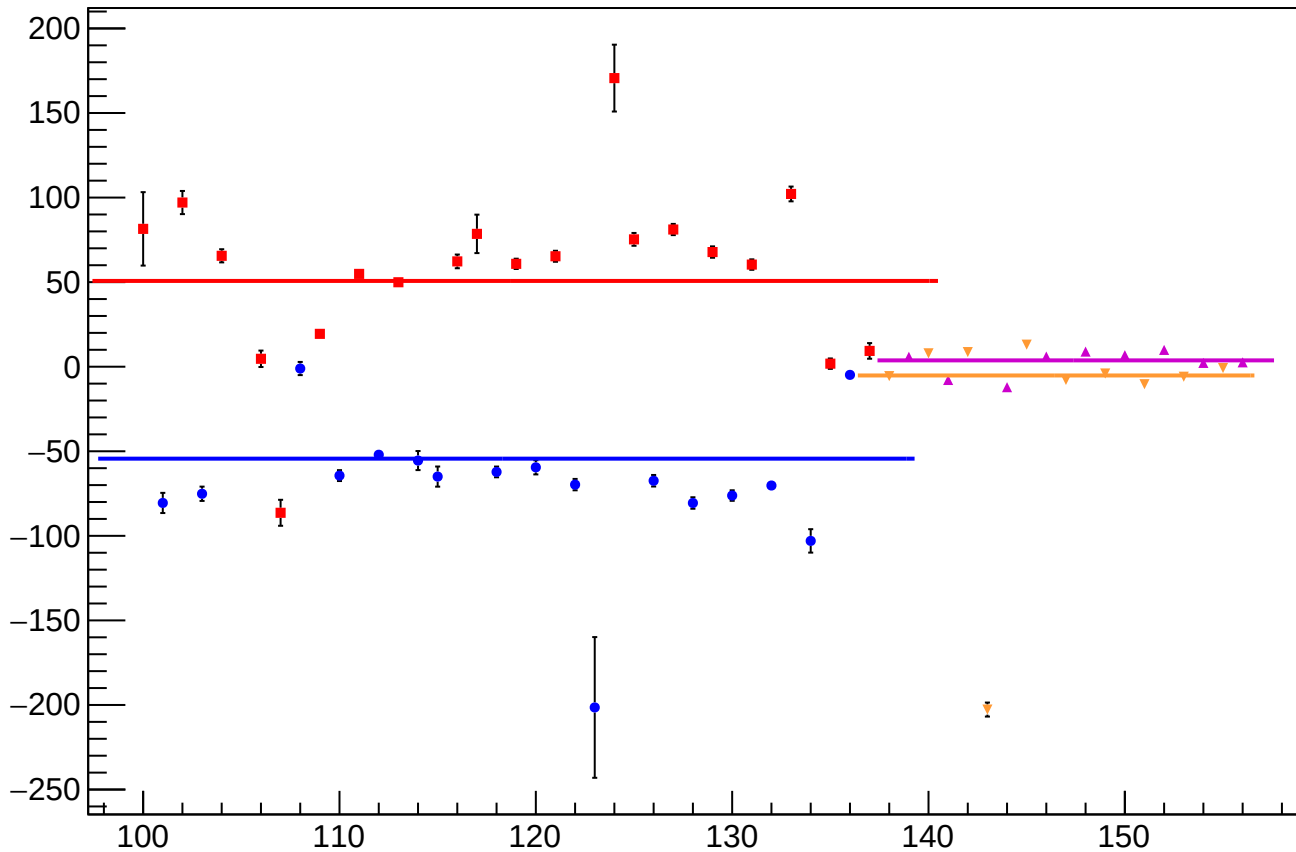
Left In: -0.051 ± 0.332 $\chi^2/\text{NDF}: 37.5/8$

0.995 ± 0.273 $\chi^2/\text{NDF}: 390.6/26$

-0.305 ± 0.193 $\chi^2/\text{NDF}: 722.0/55$

-1.591 ± 0.272 $\chi^2/\text{NDF}: 286.5/28$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -54.365 ± 0.868 $\chi^2/\text{NDF}: 1013.5/16$

Left Out: -5.180 ± 0.497 $\chi^2/\text{NDF}: 2523.3/9$

Right Out: 50.712 ± 0.855 $\chi^2/\text{NDF}: 1327.3/19$

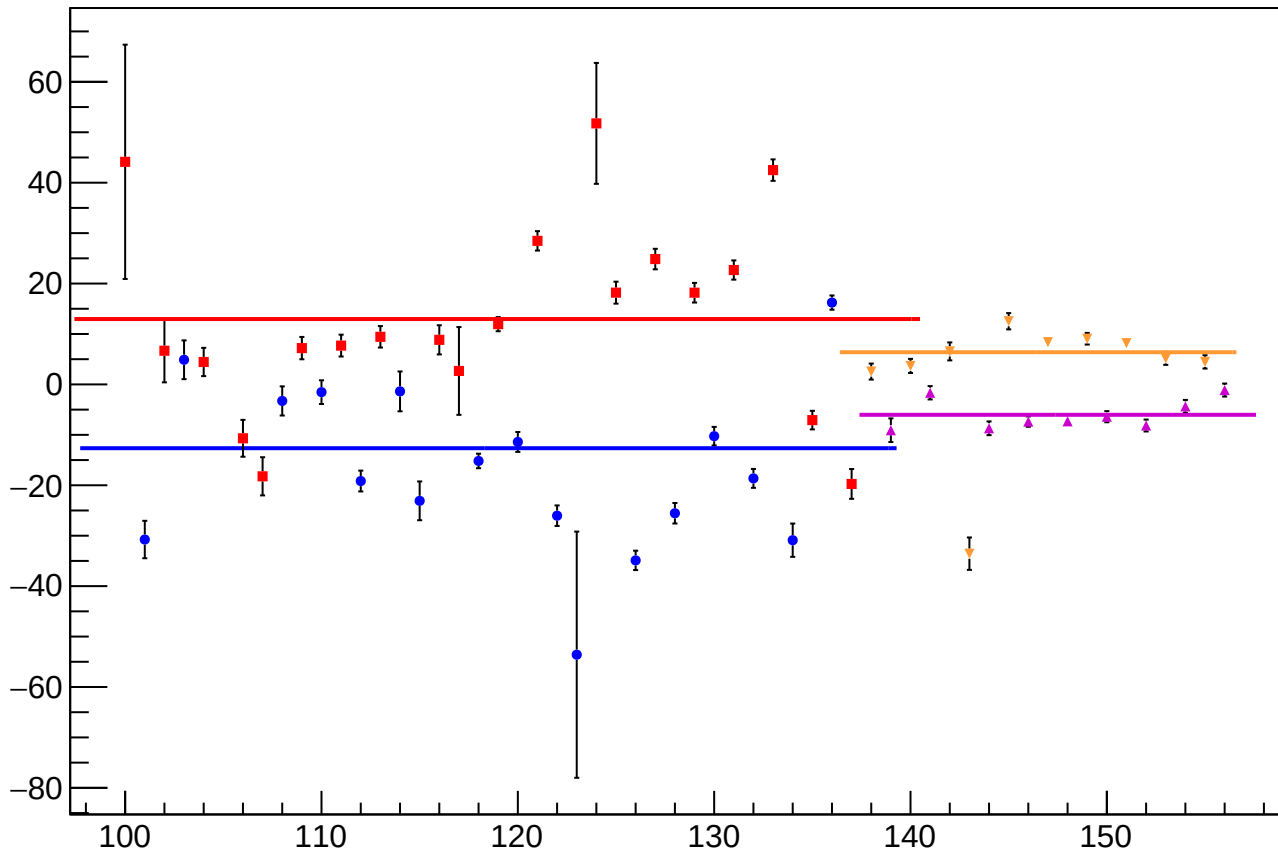
Left In: 3.739 ± 0.478 $\chi^2/\text{NDF}: 186.1/8$

-17.305 ± 0.431 $\chi^2/\text{NDF}: 5954.8/26$

-0.663 ± 0.300 $\chi^2/\text{NDF}: 12653.3/55$

14.914 ± 0.417 $\chi^2/\text{NDF}: 3813.2/28$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.648 ± 0.536 χ^2/NDF : 788.4/16

Left Out: 6.380 ± 0.415 χ^2/NDF : 195.1/9

Right Out: 12.965 ± 0.536 χ^2/NDF : 722.8/19

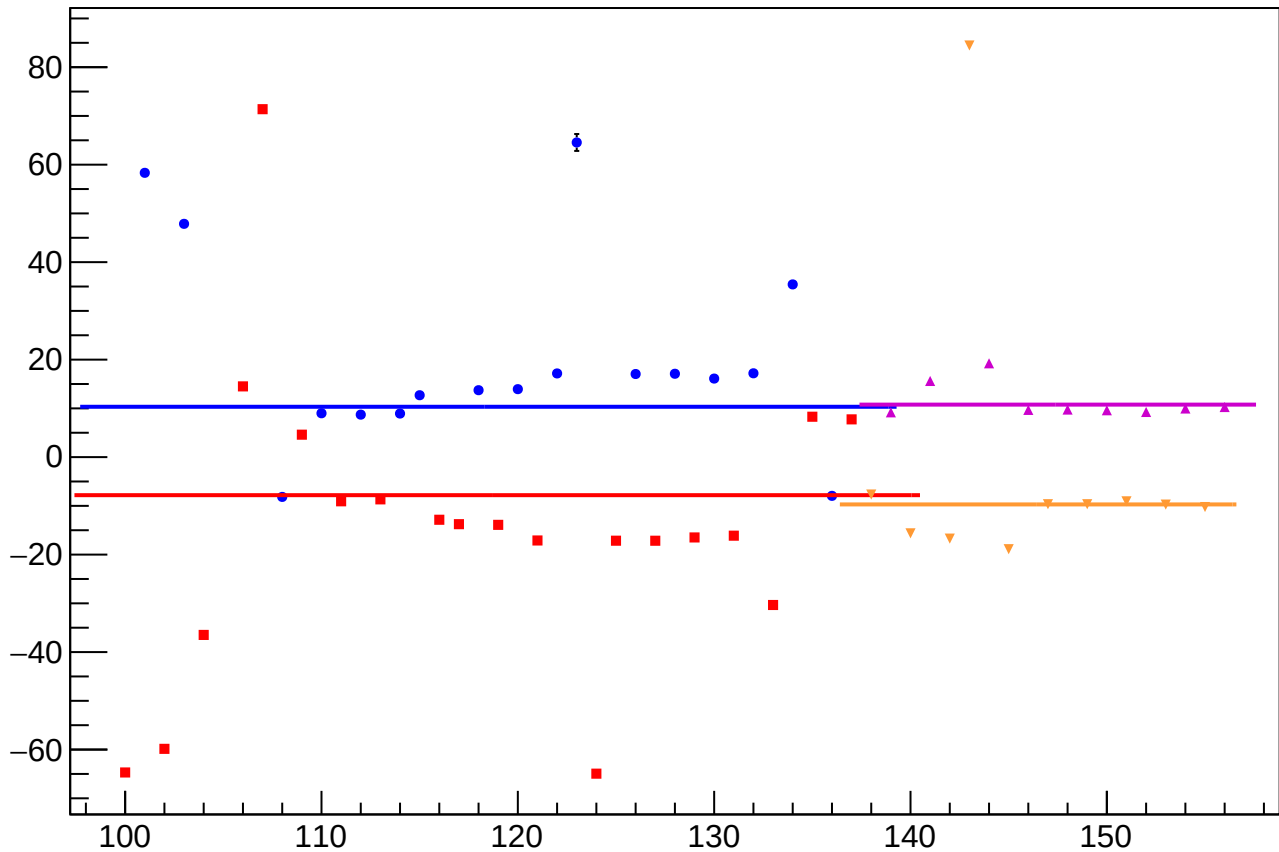
Left In: -6.027 ± 0.407 χ^2/NDF : 39.5/8

-0.747 ± 0.328 χ^2/NDF : 1770.9/26

0.090 ± 0.231 χ^2/NDF : 3341.9/55

0.905 ± 0.324 χ^2/NDF : 1558.1/28

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.330+/-0.031 χ^2/NDF : 380857.1/16

Left Out: -9.705+/-0.020 χ^2/NDF : 354556.0/9

Right Out: -7.808+/-0.031 χ^2/NDF : 544249.7/19

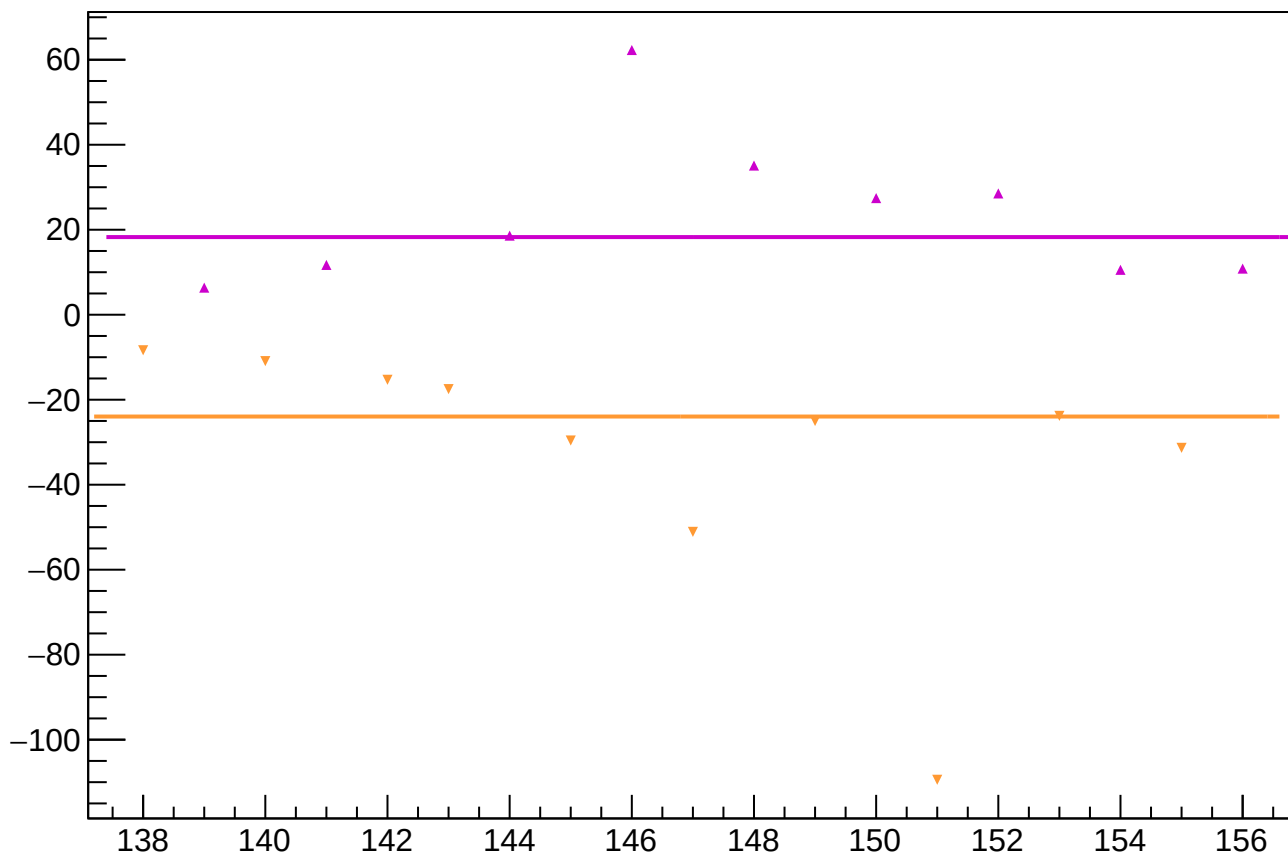
Left In: 10.770+/-0.019 χ^2/NDF : 21307.2/8

-3.696+/-0.017 χ^2/NDF : 1034047.1/26

1.255+/-0.012 χ^2/NDF : 2025831.5/55

5.820+/-0.016 χ^2/NDF : 824828.6/28

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -23.959+/-0.088 χ^2/NDF : 49698.2/9

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

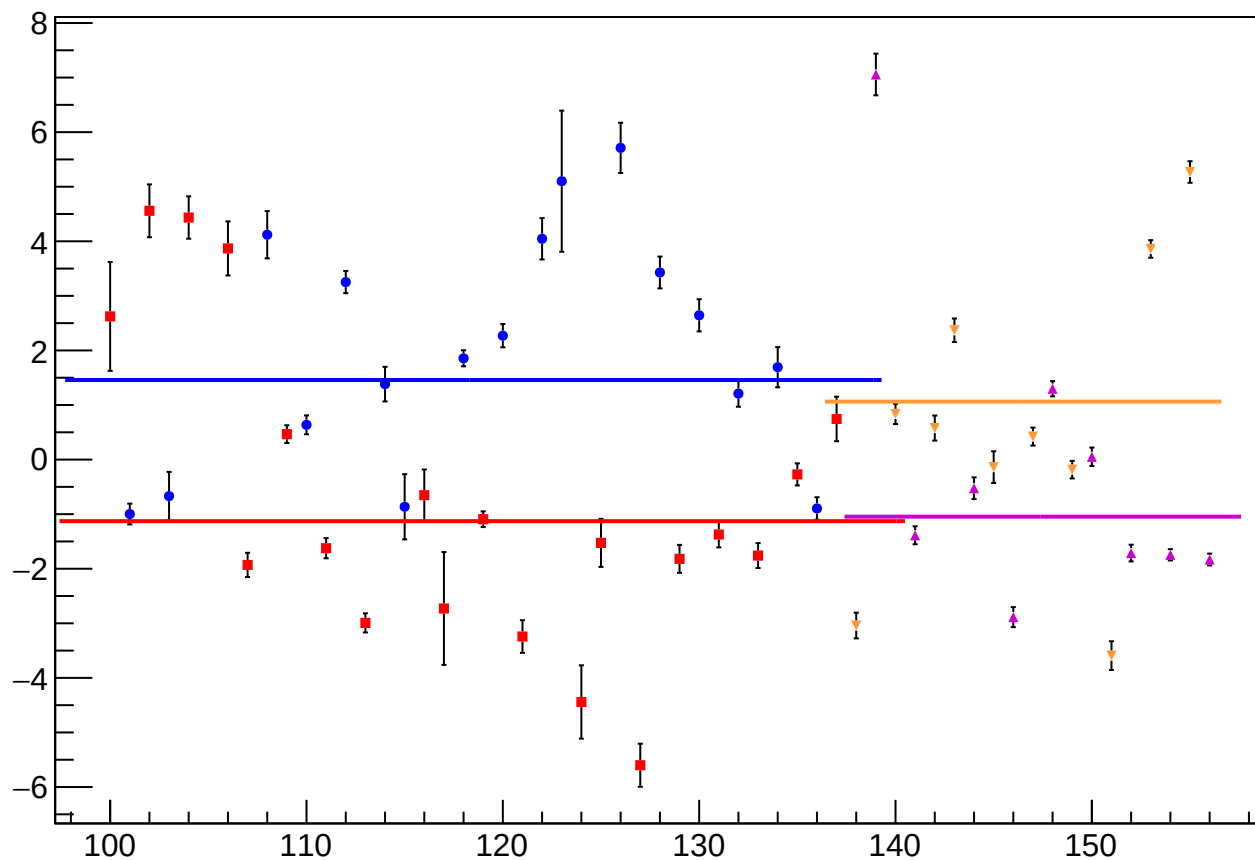
Left In: 18.270+/-0.072 χ^2/NDF : 35325.7/8

-23.959+/-0.088 χ^2/NDF : 49698.2/9

1.359+/-0.055 χ^2/NDF : 224137.4/18

18.270+/-0.072 χ^2/NDF : 35325.7/8

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.458 ± 0.062 χ^2/NDF : 698.2/16

Left Out: 1.062 ± 0.063 χ^2/NDF : 1504.9/9

Right Out: -1.128 ± 0.058 χ^2/NDF : 949.8/19

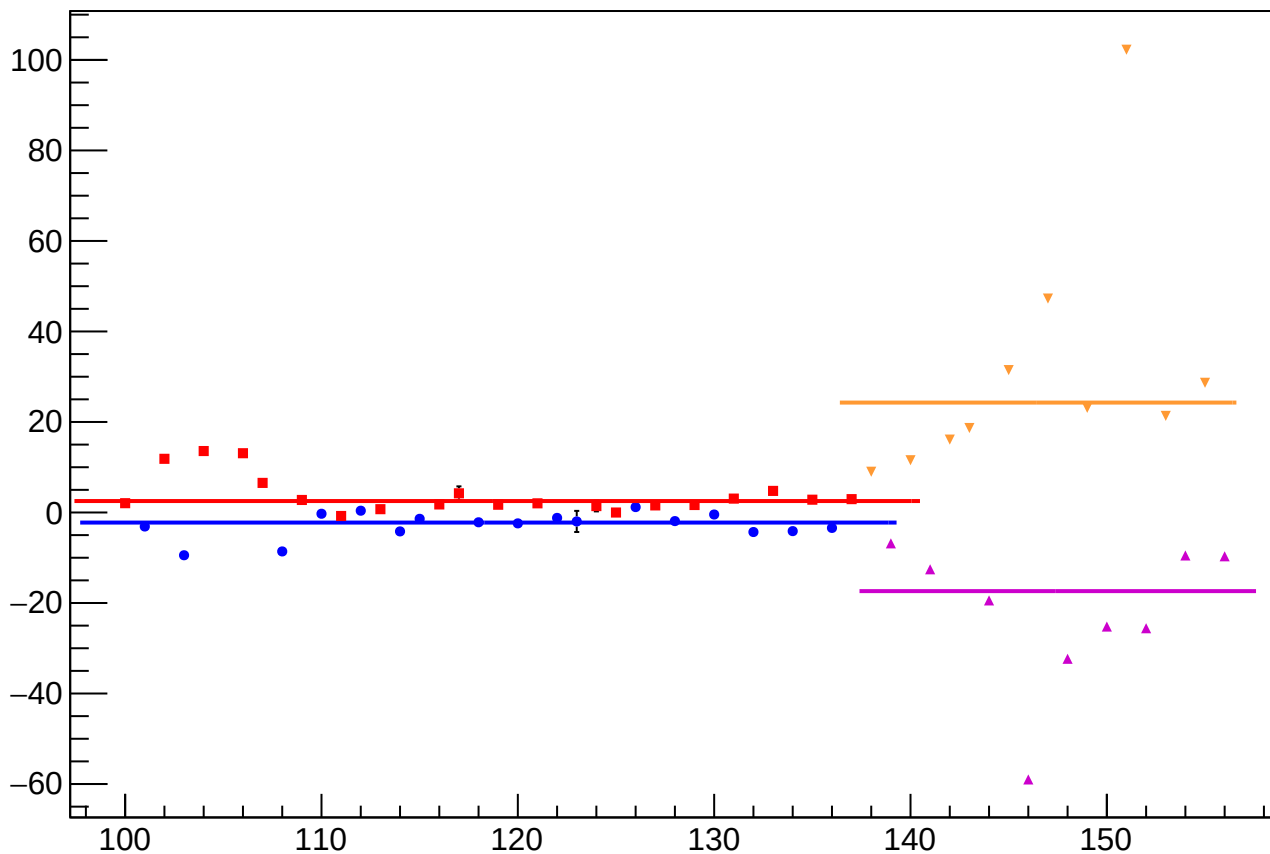
Left In: -1.046 ± 0.050 χ^2/NDF : 1003.0/8

1.263 ± 0.044 χ^2/NDF : 2223.2/26

-0.090 ± 0.029 χ^2/NDF : 5807.2/55

-1.081 ± 0.038 χ^2/NDF : 1954.0/28

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.228 ± 0.111 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

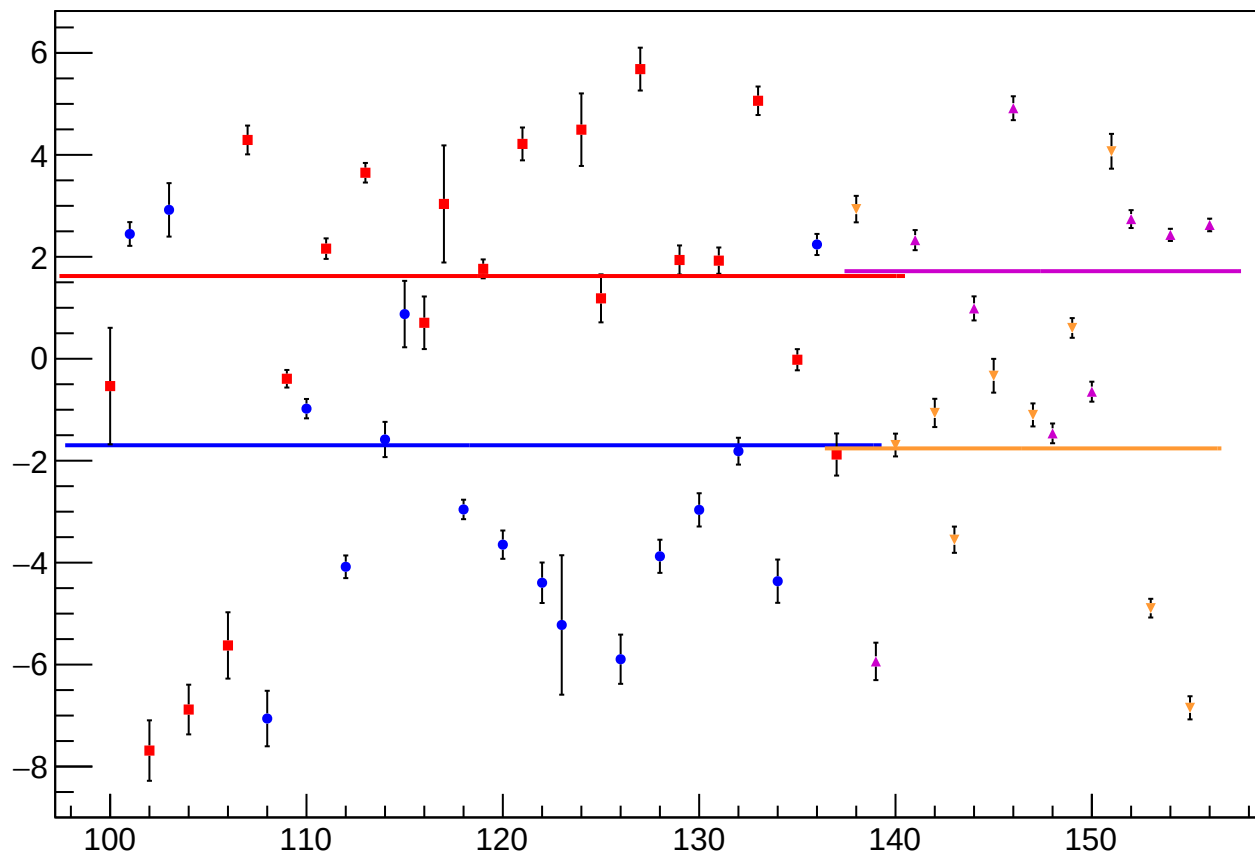
Left In: -17.376 ± 0.069 χ^2/NDF : 33453.9/8

14.117 ± 0.069 χ^2/NDF : 79402.4/26

-0.766 ± 0.044 χ^2/NDF : 219182.1/55

-10.827 ± 0.057 χ^2/NDF : 61602.4/28

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.697 ± 0.071 χ^2/NDF : 1319.4/16

Left Out: -1.759 ± 0.075 χ^2/NDF : 1643.4/9

Right Out: 1.623 ± 0.066 χ^2/NDF : 1490.8/19

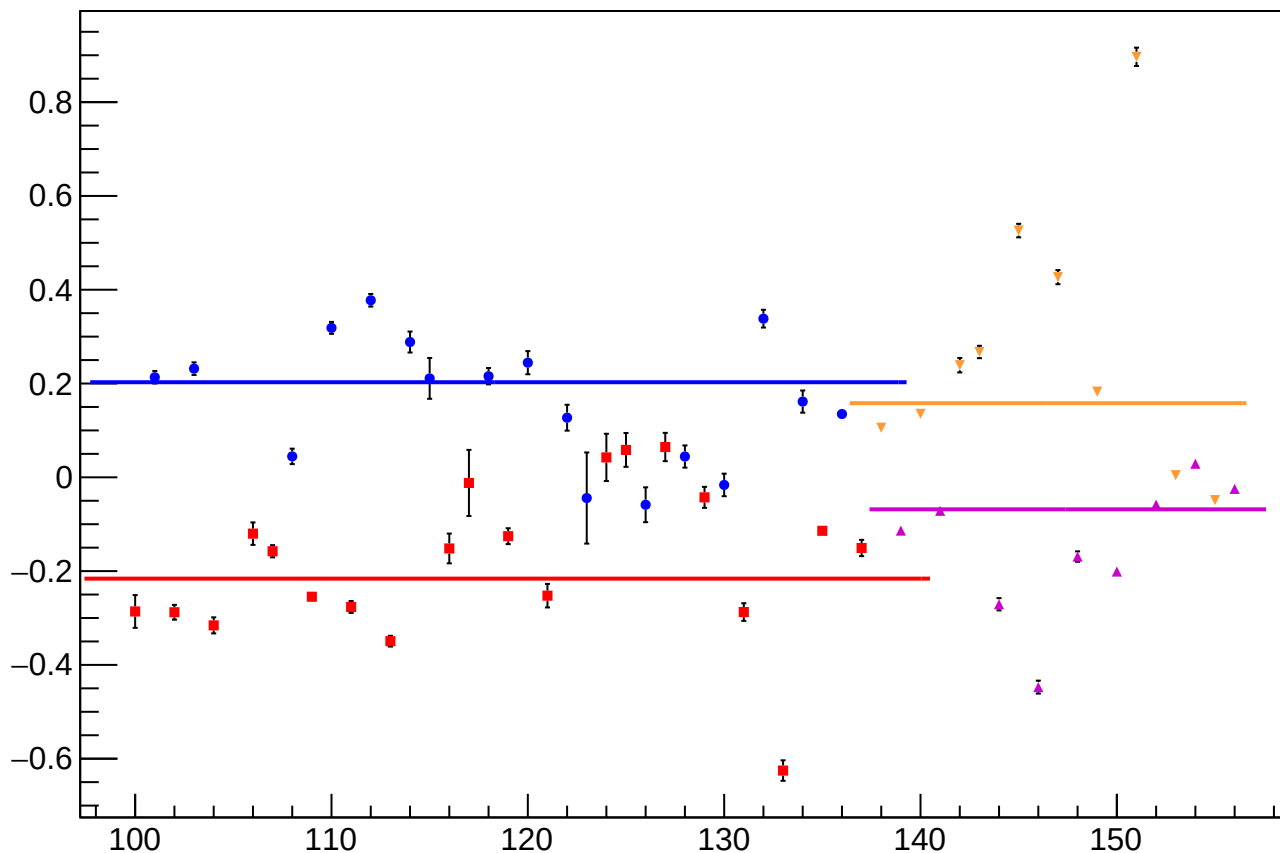
Left In: 1.718 ± 0.059 χ^2/NDF : 1178.4/8

-1.726 ± 0.052 χ^2/NDF : 2963.2/26

0.257 ± 0.033 χ^2/NDF : 8155.4/55

1.676 ± 0.044 χ^2/NDF : 2670.3/28

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.203 ± 0.004 χ^2/NDF : 676.5/16

Left Out: 0.158 ± 0.003 χ^2/NDF : 3471.5/9

Right Out: -0.216 ± 0.004 χ^2/NDF : 1072.8/19

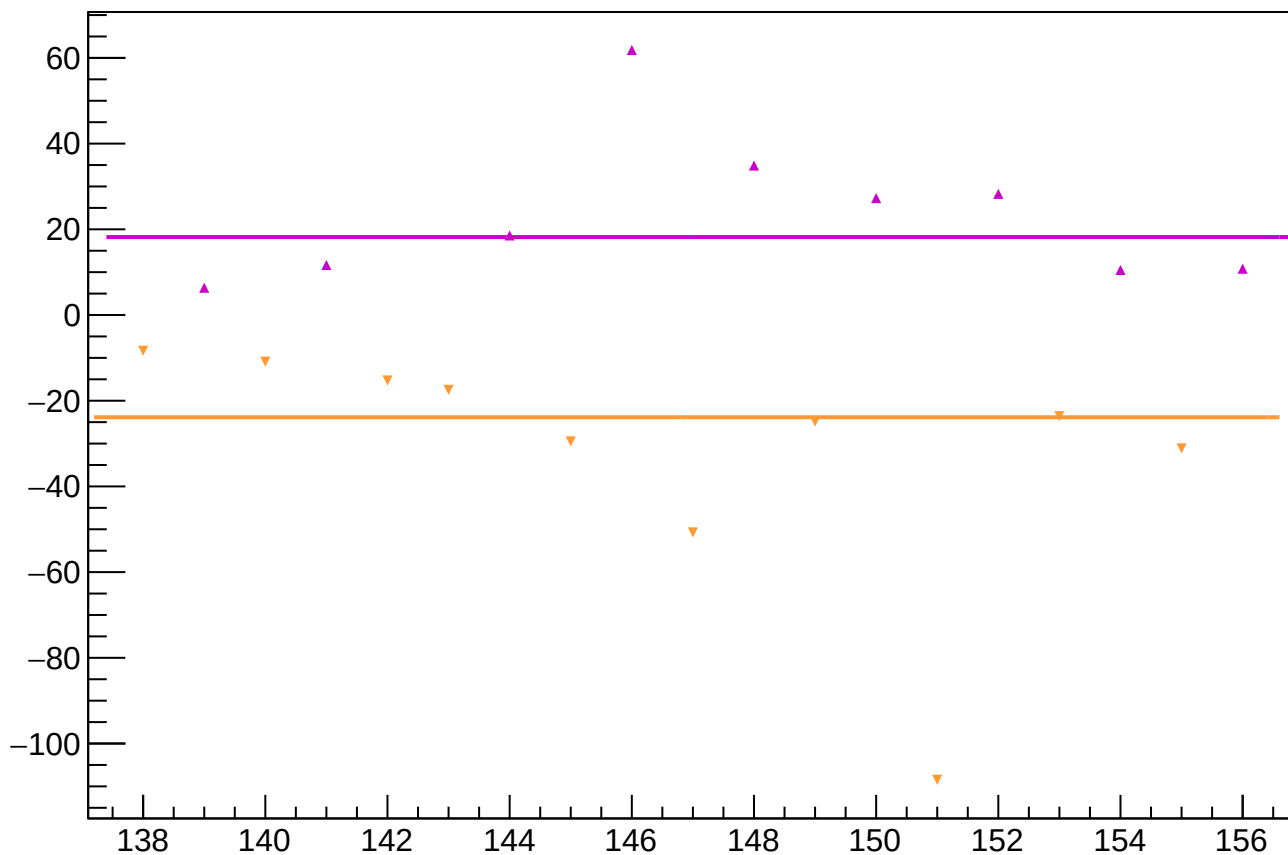
Left In: -0.068 ± 0.003 χ^2/NDF : 1762.6/8

0.176 ± 0.003 χ^2/NDF : 4216.5/26

-0.004 ± 0.002 χ^2/NDF : 15614.8/55

-0.115 ± 0.002 χ^2/NDF : 3927.2/28

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -23.859+/-0.087 χ^2/NDF : 49569.2/9

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

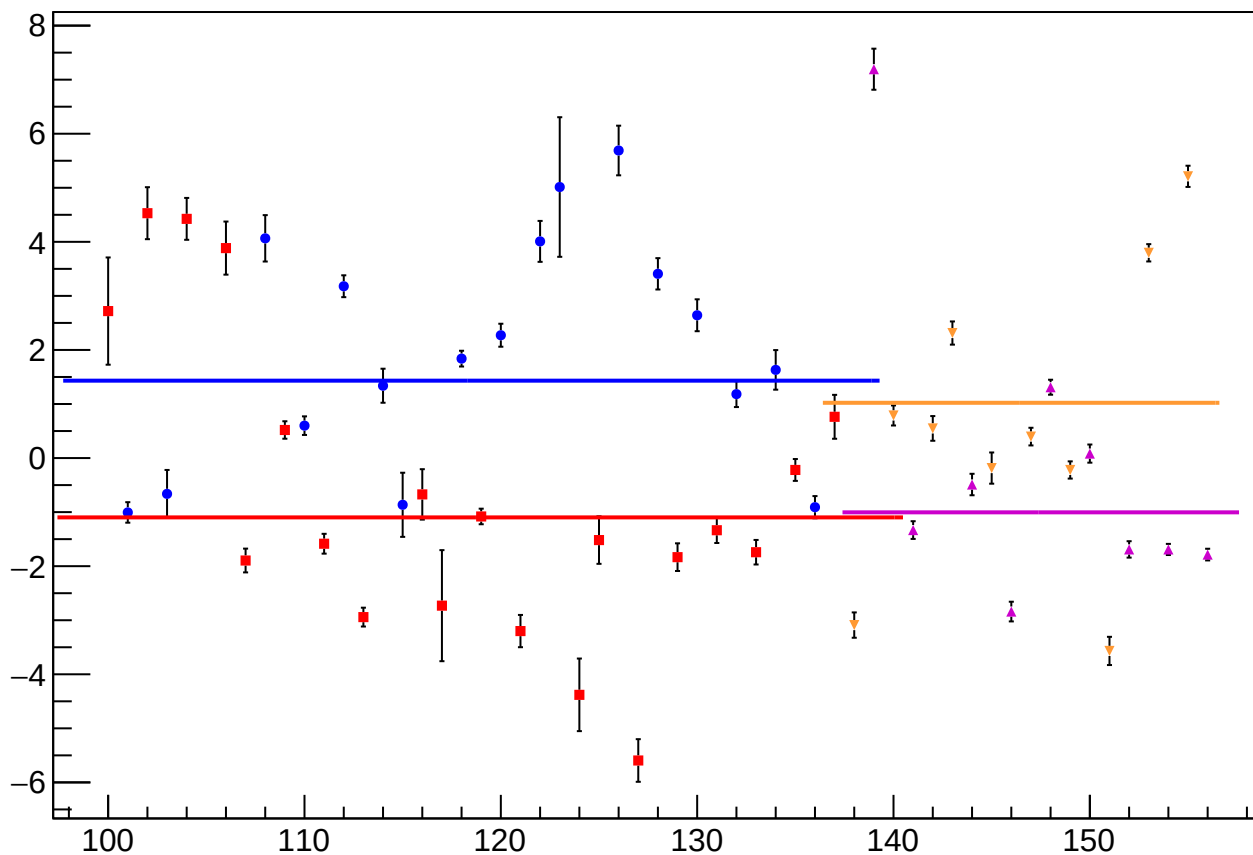
Left In: 18.189+/-0.071 χ^2/NDF : 35246.7/8

-23.859+/-0.087 χ^2/NDF : 49569.2/9

1.356+/-0.055 χ^2/NDF : 224404.2/18

18.189+/-0.071 χ^2/NDF : 35246.7/8

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.432 $\pm$ 0.062 χ^2/NDF : 696.6/16

Left Out: 1.022 $\pm$ 0.062 χ^2/NDF :1508.1/9

Right Out: -1.098 $\pm$ 0.058 χ^2/NDF : 955.7/19

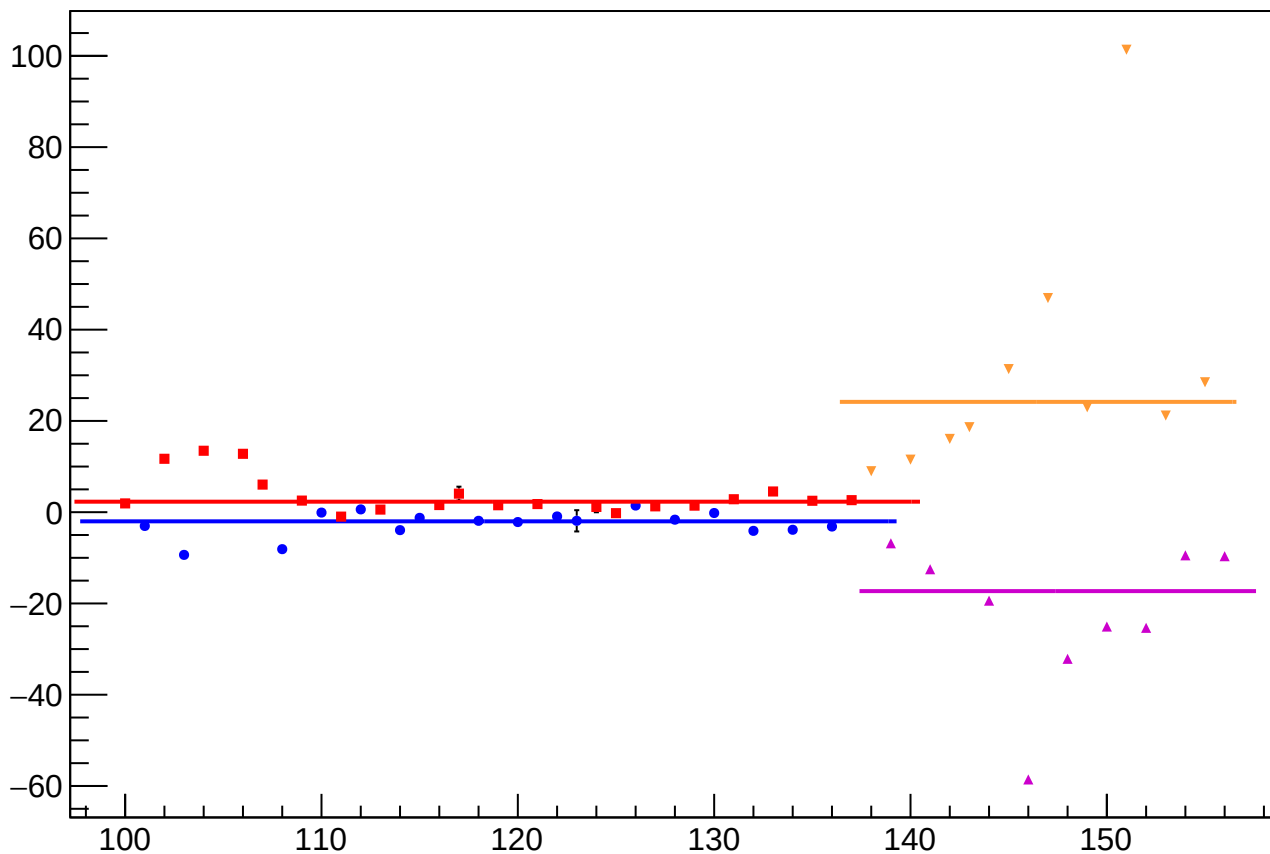
Left In: -1.004 $\pm$ 0.049 χ^2/NDF :1015.6/8

1.230 $\pm$ 0.044 χ^2/NDF : 2226.4/26

-0.083 $\pm$ 0.029 χ^2/NDF : 5749.9/55

-1.044 $\pm$ 0.038 χ^2/NDF : 1972.8/28

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.005±/0.111 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

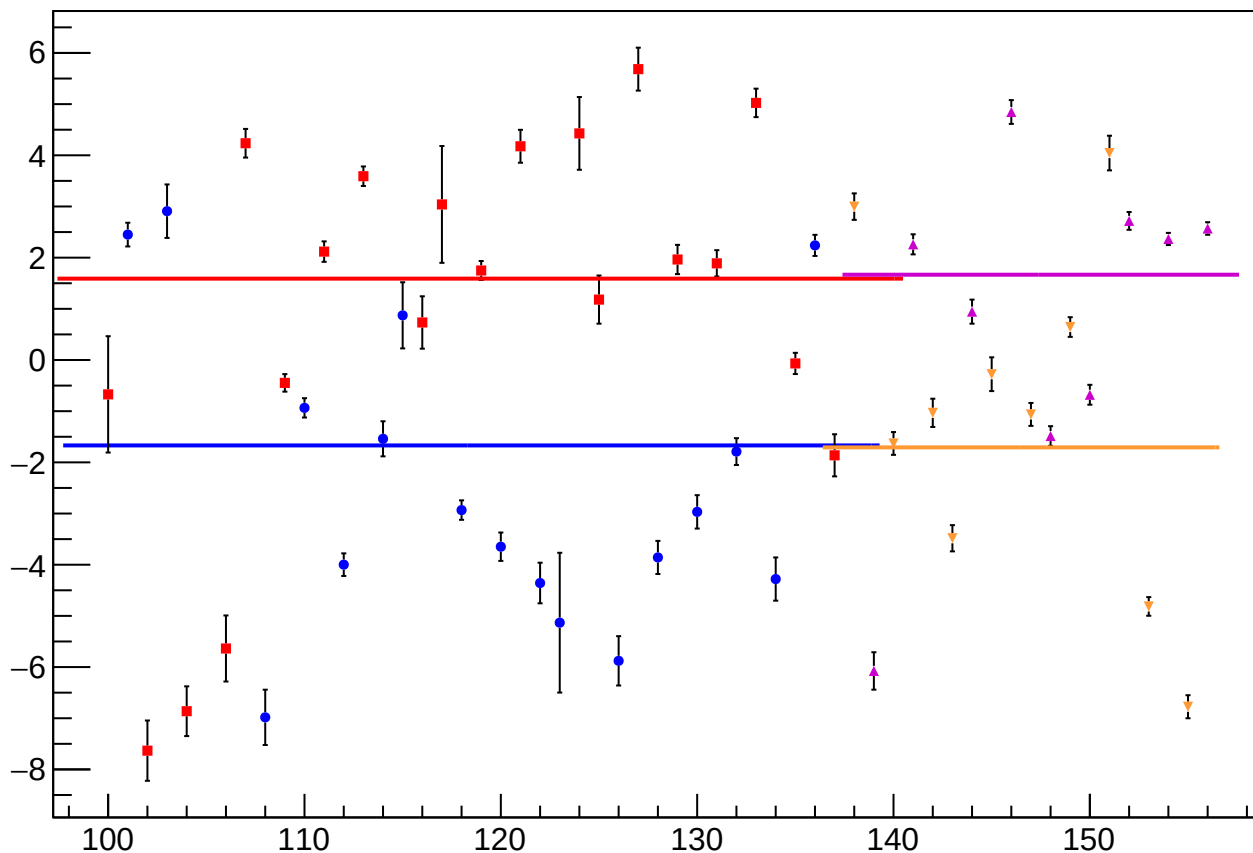
Left In: -17.297±/0.069 χ^2/NDF : 33386.5/8

14.149±/0.069 χ^2/NDF : 78791.0/26

-0.774±/0.044 χ^2/NDF : 219277.4/55

-10.856±/0.056 χ^2/NDF : 61008.9/28

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.669+/-0.071 χ^2/NDF : 1314.9/16

Left Out: -1.708+/-0.075 χ^2/NDF :1647.9/9

Right Out: 1.590+/-0.065 χ^2/NDF : 1496.3/19

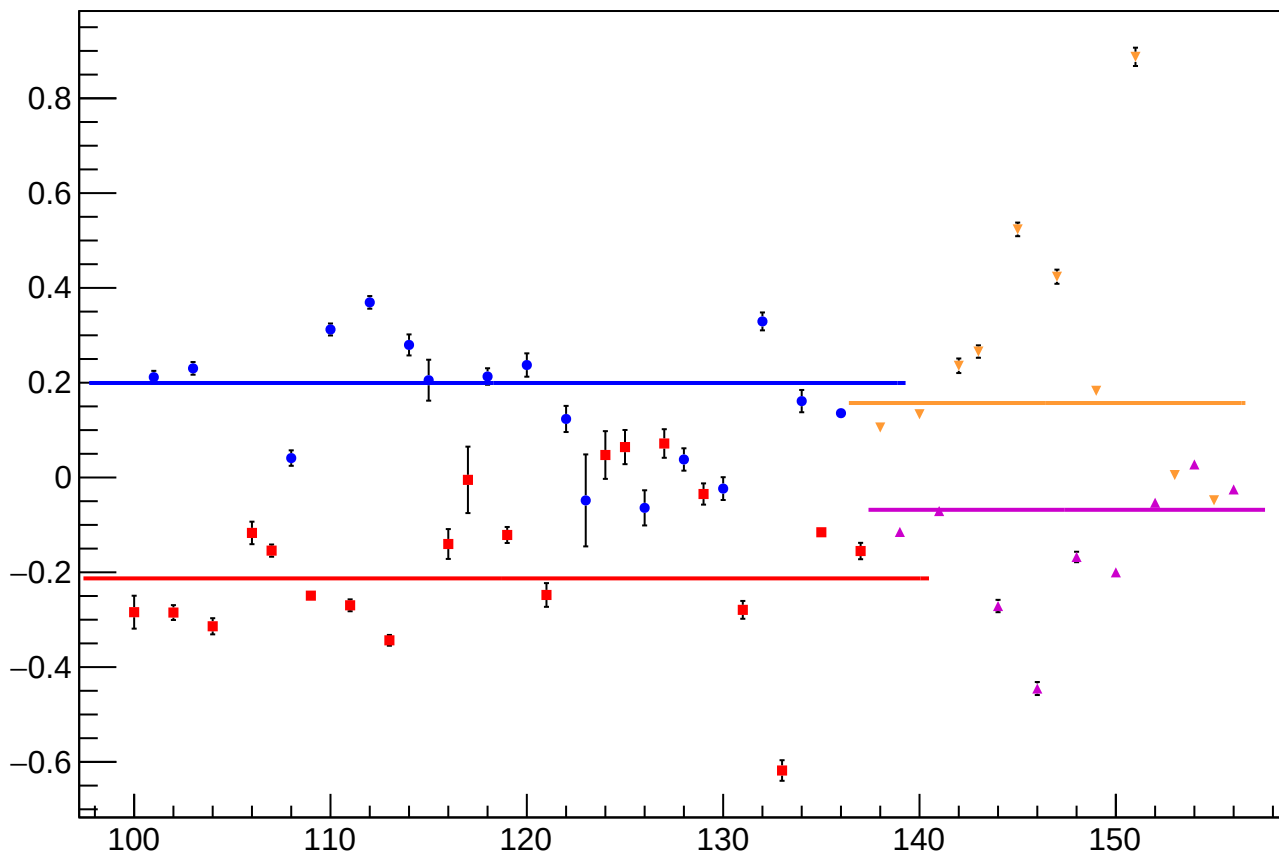
Left In: 1.667+/-0.058 χ^2/NDF :1193.0/8

-1.687+/-0.051 χ^2/NDF : 2963.0/26

0.248+/-0.033 χ^2/NDF : 8081.4/55

1.633+/-0.044 χ^2/NDF : 2690.1/28

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.199 ± 0.004 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

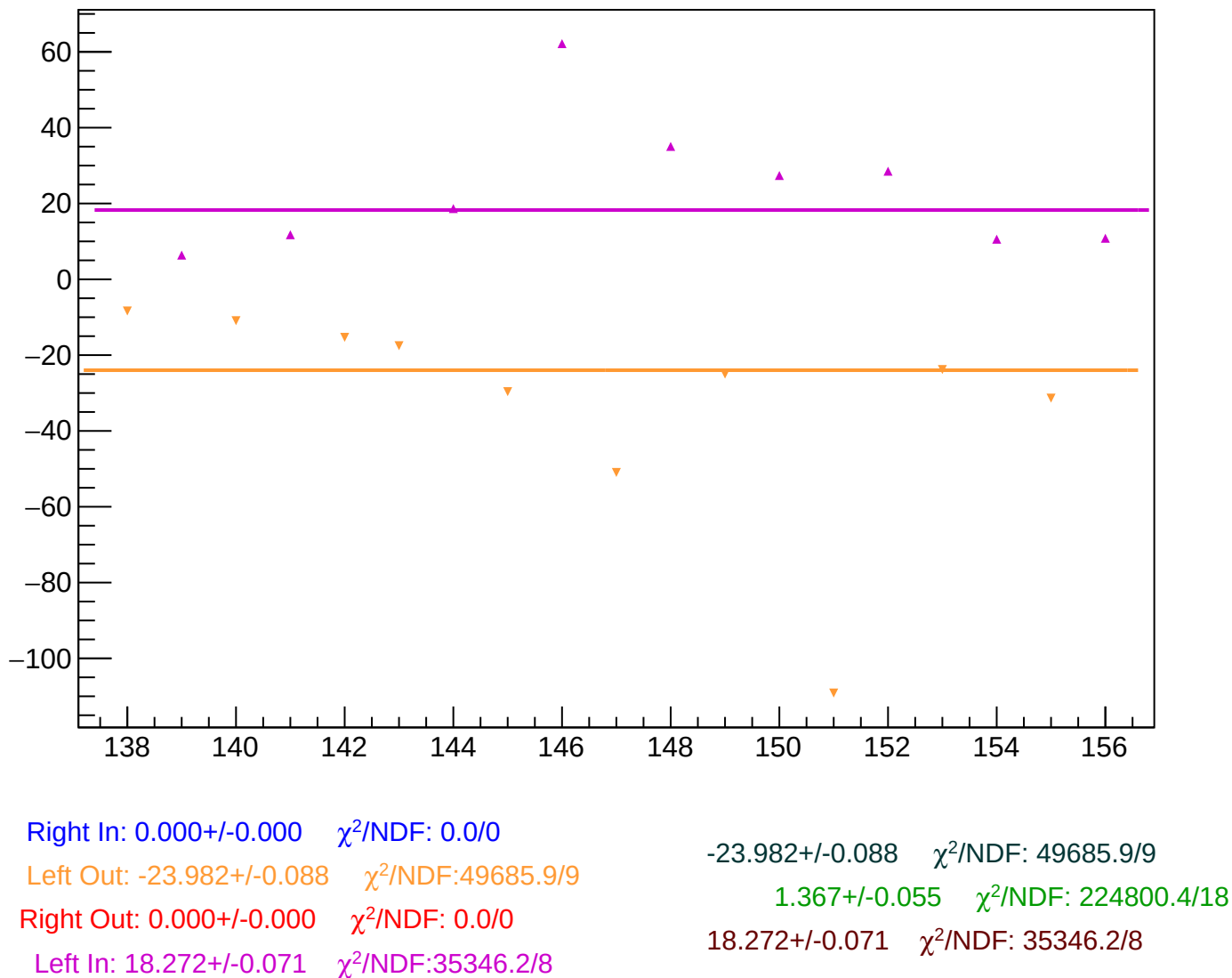
Left In: -0.068 ± 0.003 χ^2/NDF : 1764.3/8

0.174 ± 0.003 χ^2/NDF : 4186.3/26

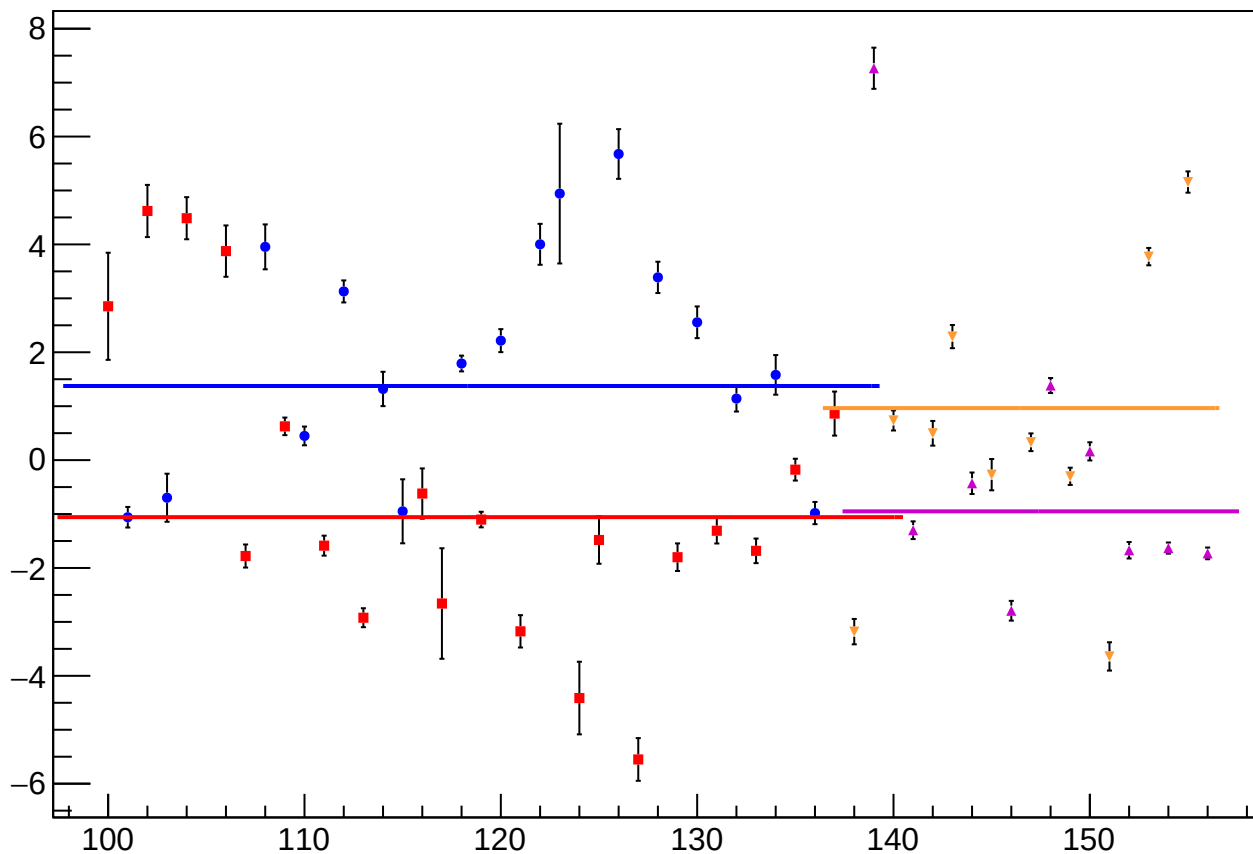
-0.004 ± 0.002 χ^2/NDF : 15462.5/55

-0.114 ± 0.002 χ^2/NDF : 3880.3/28

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.375 ± 0.062 χ^2/NDF : 702.4/16

Left Out: 0.965 ± 0.063 χ^2/NDF : 1513.2/9

Right Out: -1.058 ± 0.058 χ^2/NDF : 966.5/19

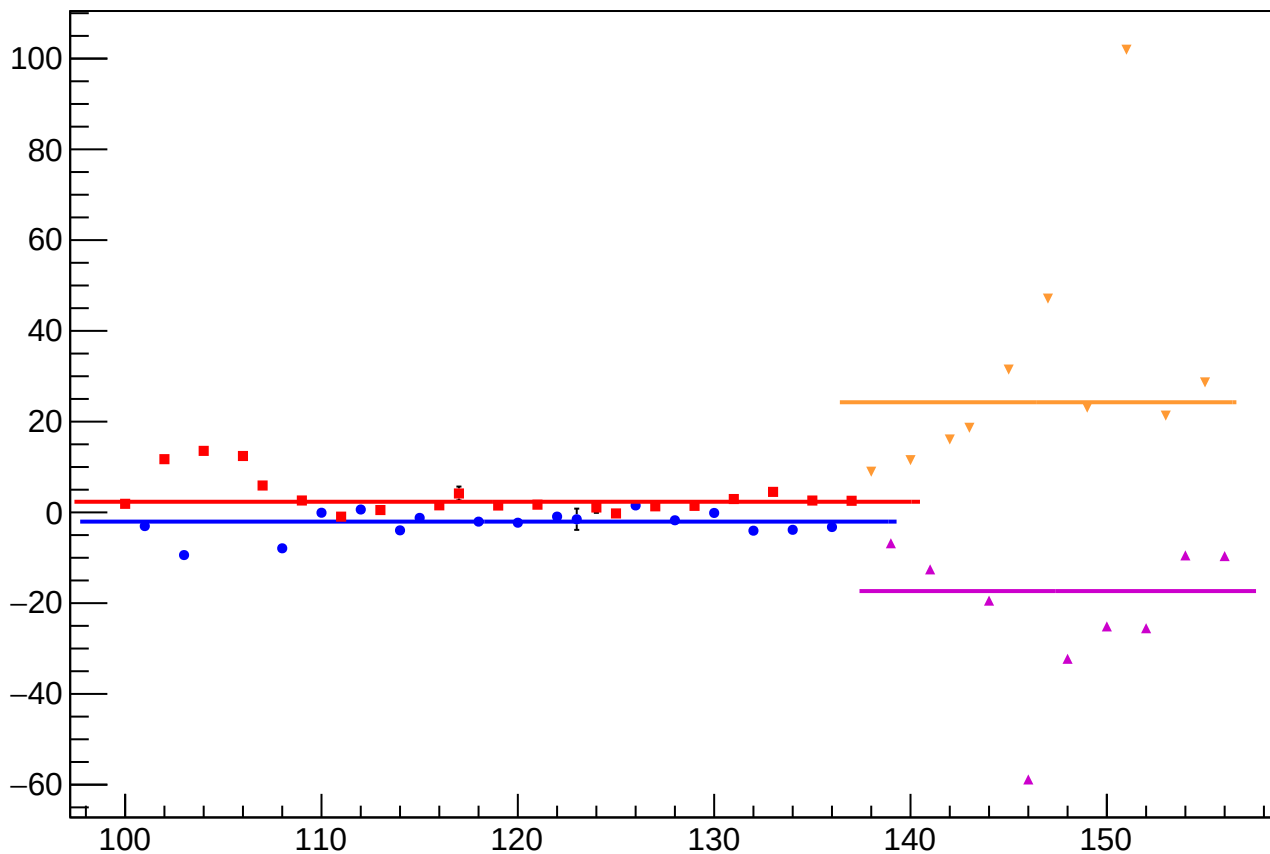
Left In: -0.950 ± 0.050 χ^2/NDF : 1018.1/8

1.172 ± 0.044 χ^2/NDF : 2237.3/26

-0.081 ± 0.029 χ^2/NDF : 5622.8/55

-0.996 ± 0.038 χ^2/NDF : 1986.6/28

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.031 ± 0.111 $\chi^2/\text{NDF}: 463.2/16$

Left Out: 24.270 ± 0.088 $\chi^2/\text{NDF}: 43924.6/9$

Right Out: 2.344 ± 0.099 $\chi^2/\text{NDF}: 903.4/19$

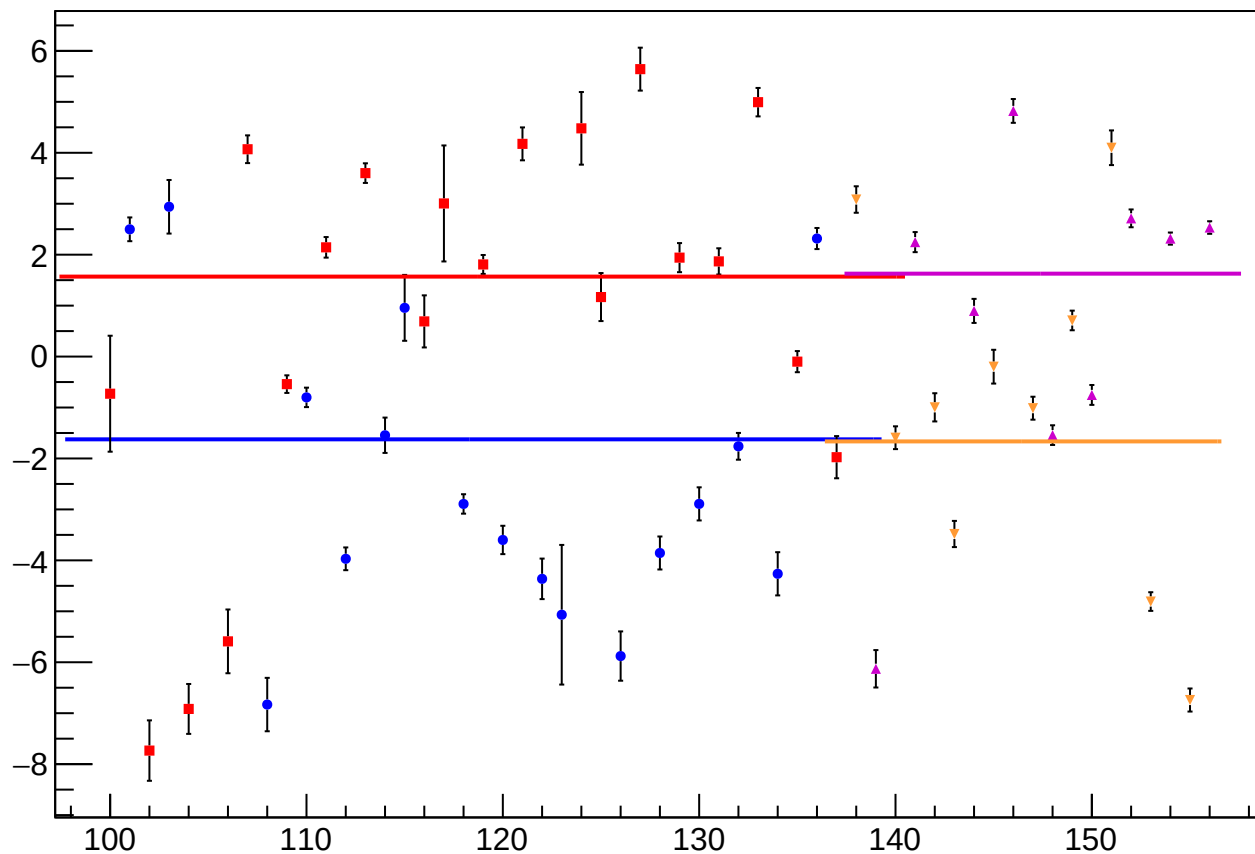
Left In: -17.339 ± 0.069 $\chi^2/\text{NDF}: 33491.9/8$

14.207 ± 0.069 $\chi^2/\text{NDF}: 78861.0/26$

-0.771 ± 0.044 $\chi^2/\text{NDF}: 219227.7/55$

-10.879 ± 0.057 $\chi^2/\text{NDF}: 61095.2/28$

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.625 ± 0.071 χ^2/NDF : 1320.8/16

Left Out: -1.665 ± 0.075 χ^2/NDF : 1654.1/9

Right Out: 1.570 ± 0.065 χ^2/NDF : 1507.4/19

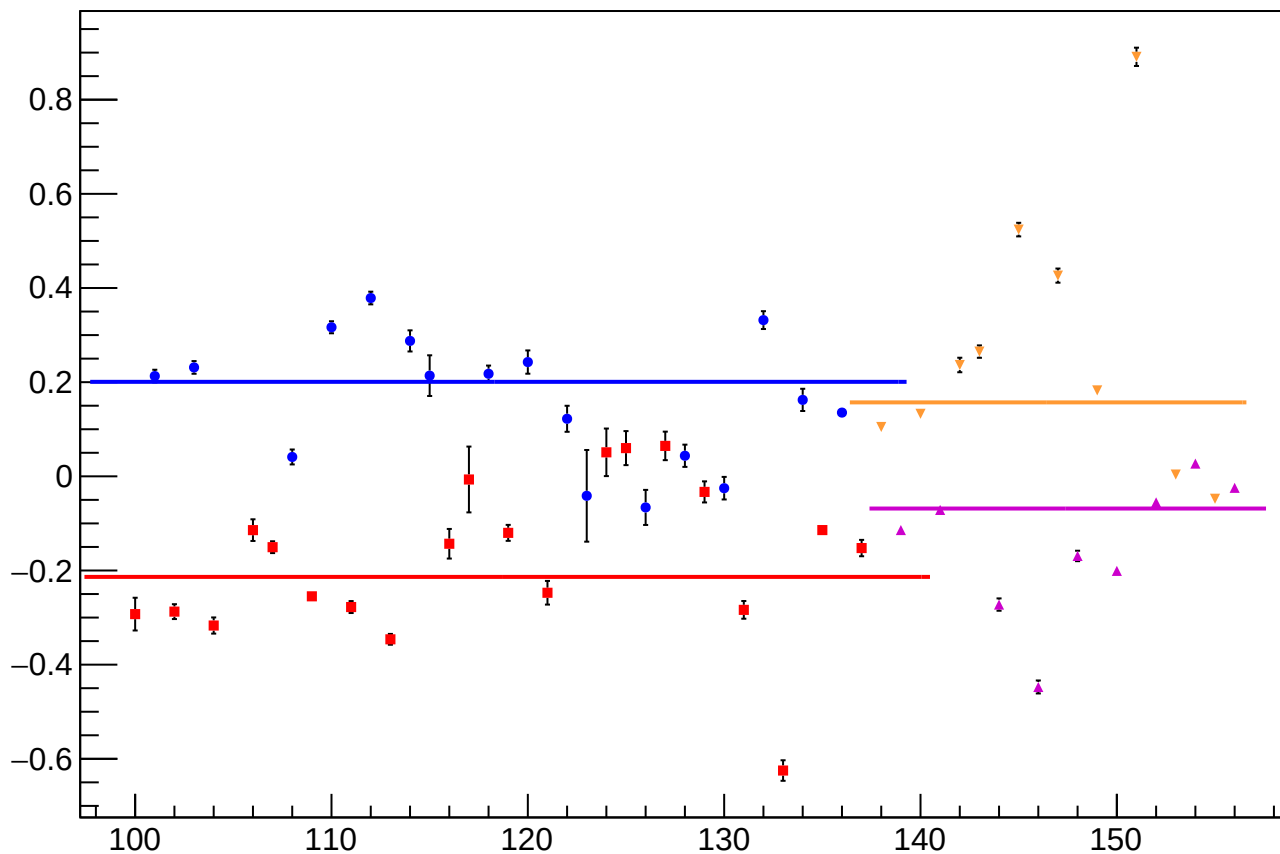
Left In: 1.627 ± 0.059 χ^2/NDF : 1195.8/8

-1.644 ± 0.052 χ^2/NDF : 2975.0/26

0.250 ± 0.033 χ^2/NDF : 7980.1/55

1.602 ± 0.044 χ^2/NDF : 2703.6/28

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 ± 0.004 $\chi^2/\text{NDF}: 690.6/16$

Left Out: 0.157 ± 0.003 $\chi^2/\text{NDF}: 3455.1/9$

Right Out: -0.214 ± 0.004 $\chi^2/\text{NDF}: 1089.2/19$

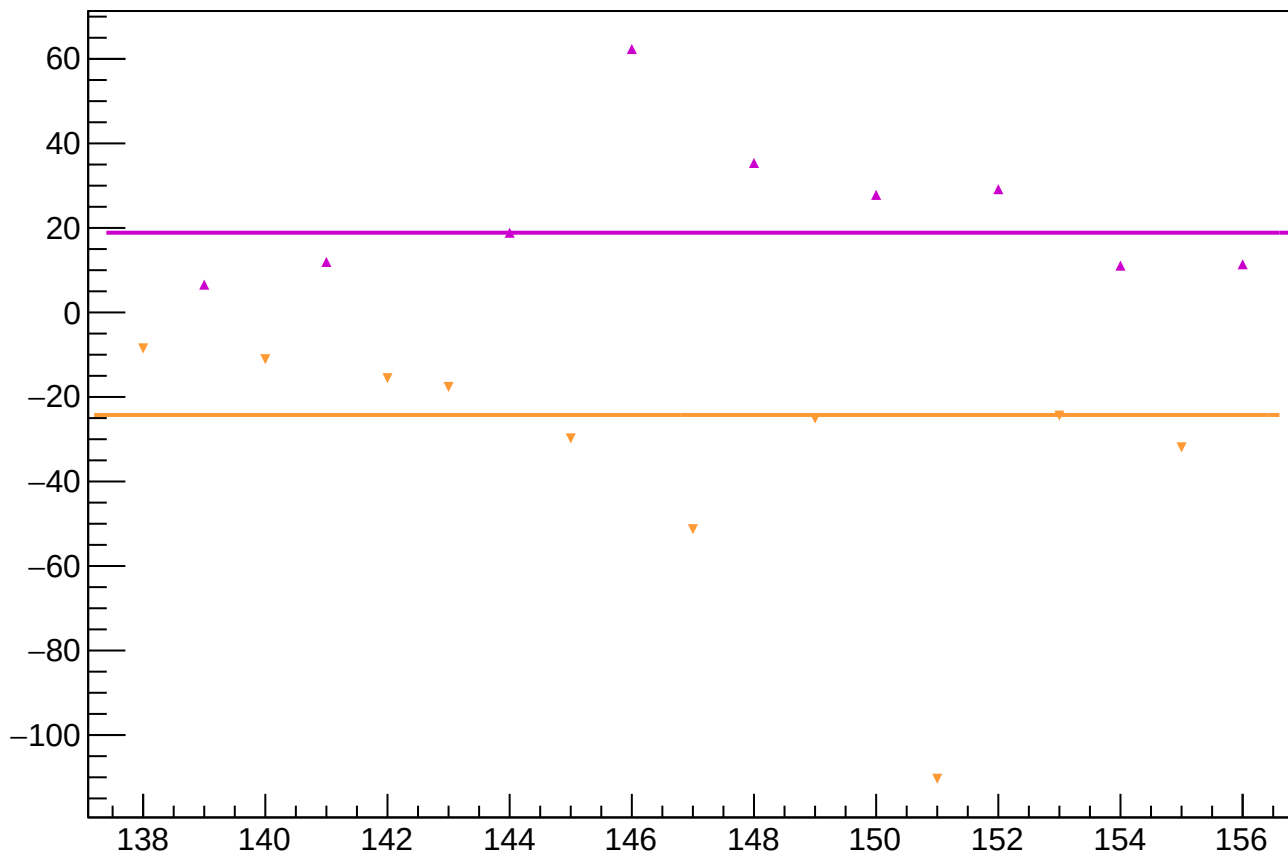
Left In: -0.068 ± 0.003 $\chi^2/\text{NDF}: 1763.3/8$

0.175 ± 0.003 $\chi^2/\text{NDF}: 4211.3/26$

-0.005 ± 0.002 $\chi^2/\text{NDF}: 15517.1/55$

-0.115 ± 0.002 $\chi^2/\text{NDF}: 3913.4/28$

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -24.262+/-0.089 χ^2/NDF : 49612.7/9

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

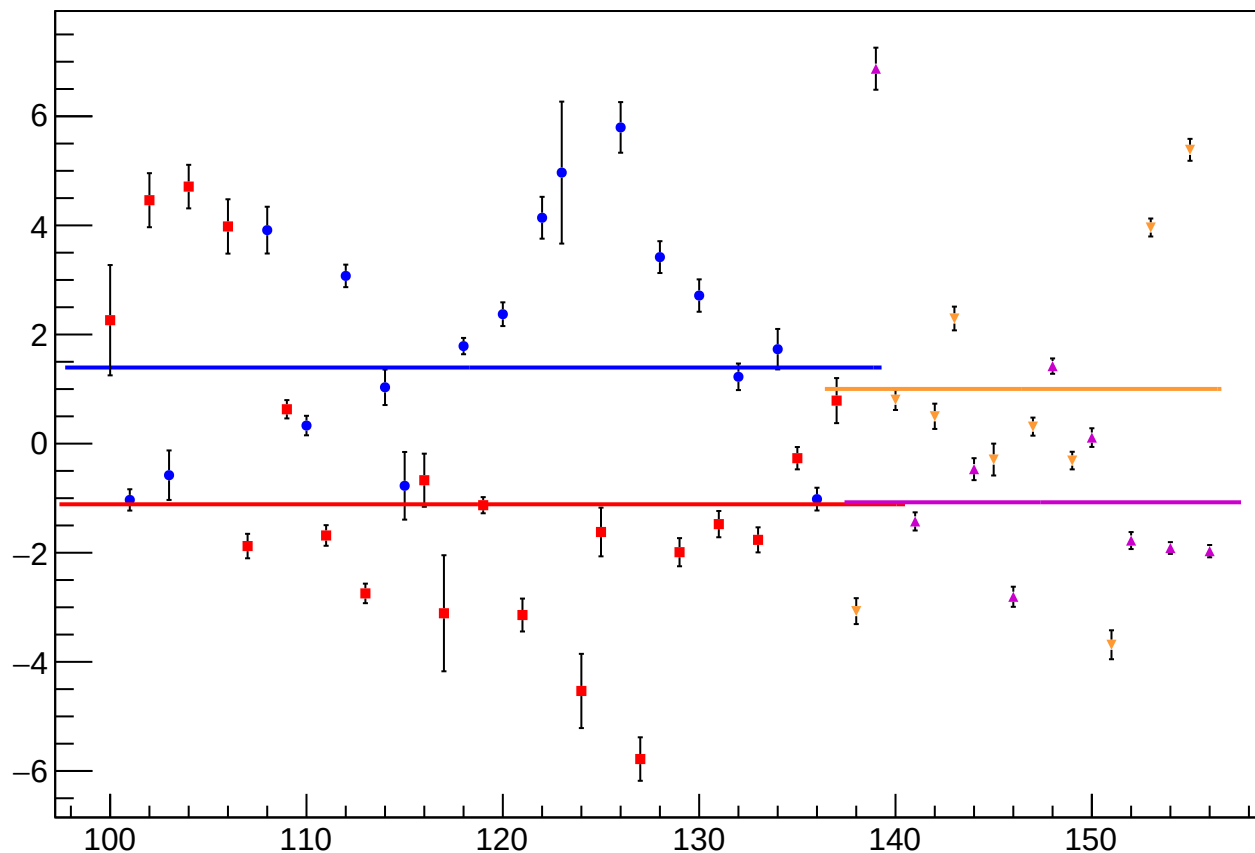
Left In: 18.869+/-0.073 χ^2/NDF : 34321.8/8

-24.262+/-0.089 χ^2/NDF : 49612.7/9

1.361+/-0.056 χ^2/NDF : 224700.2/18

18.869+/-0.073 χ^2/NDF : 34321.8/8

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.395 ± 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 $\chi^2/\text{NDF}: 940.5/19$

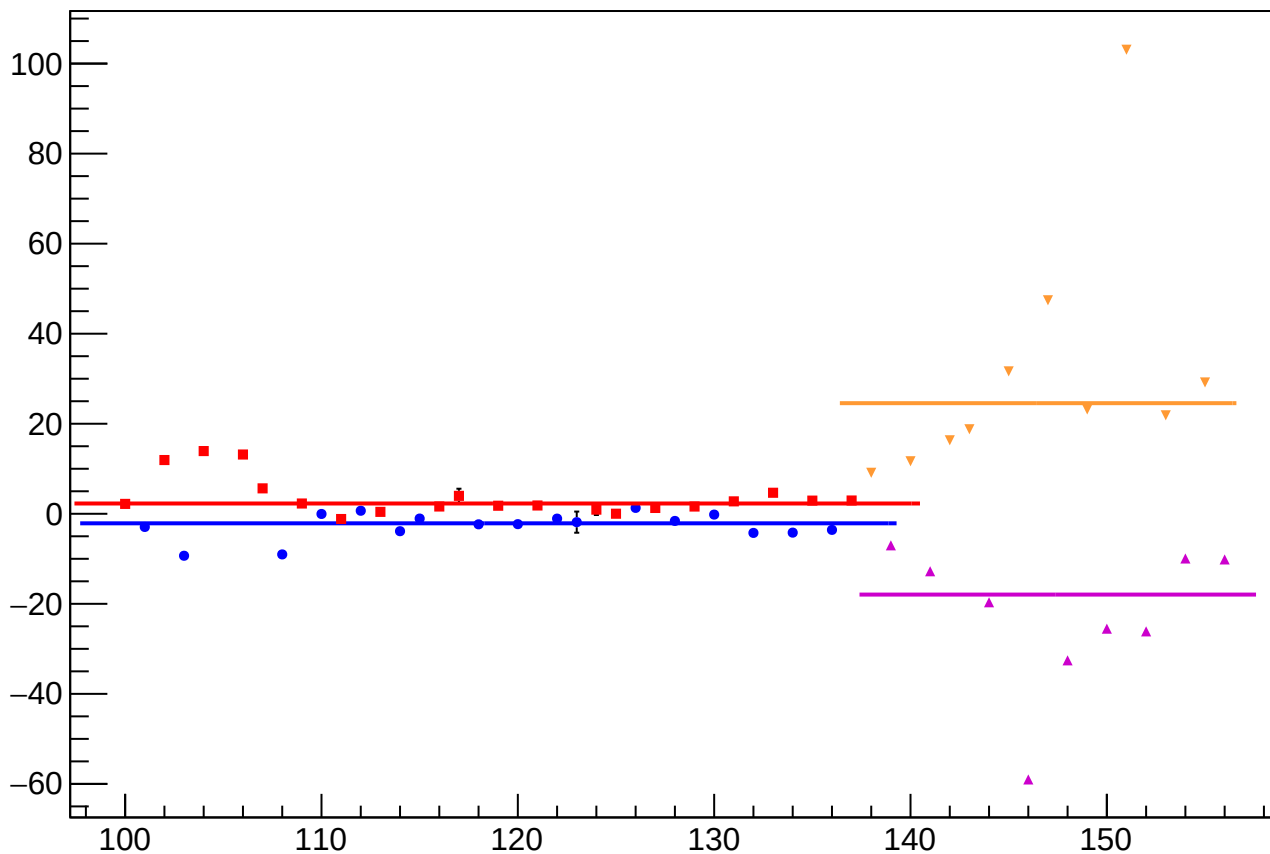
Left In: -1.075 ± 0.051 $\chi^2/\text{NDF}: 1033.2/8$

1.200 ± 0.045 $\chi^2/\text{NDF}: 2269.9/26$

-0.115 ± 0.029 $\chi^2/\text{NDF}: 5749.3/55$

-1.091 ± 0.039 $\chi^2/\text{NDF}: 1973.9/28$

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.119 ± 0.113 $\chi^2/\text{NDF}: 486.3/16$

Left Out: 24.568 ± 0.089 $\chi^2/\text{NDF}: 43817.7/9$

Right Out: 2.284 ± 0.101 $\chi^2/\text{NDF}: 920.6/19$

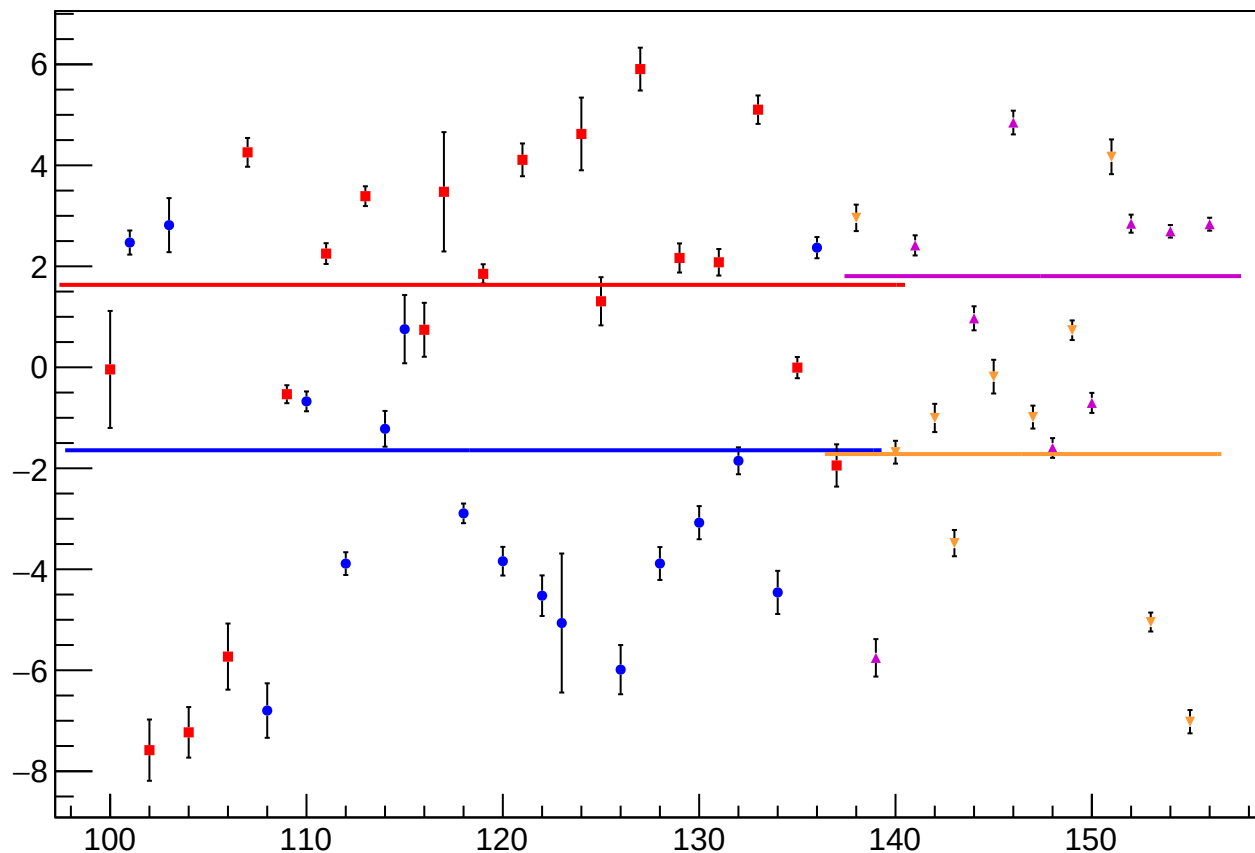
Left In: -17.948 ± 0.071 $\chi^2/\text{NDF}: 32372.6/8$

14.424 ± 0.070 $\chi^2/\text{NDF}: 78696.1/26$

-0.799 ± 0.045 $\chi^2/\text{NDF}: 219110.2/55$

-11.269 ± 0.058 $\chi^2/\text{NDF}: 60263.0/28$

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.643 ± 0.072 $\chi^2/\text{NDF}: 1310.1/16$

Left Out: -1.718 ± 0.076 $\chi^2/\text{NDF}: 1698.0/9$

Right Out: 1.633 ± 0.067 $\chi^2/\text{NDF}: 1470.6/19$

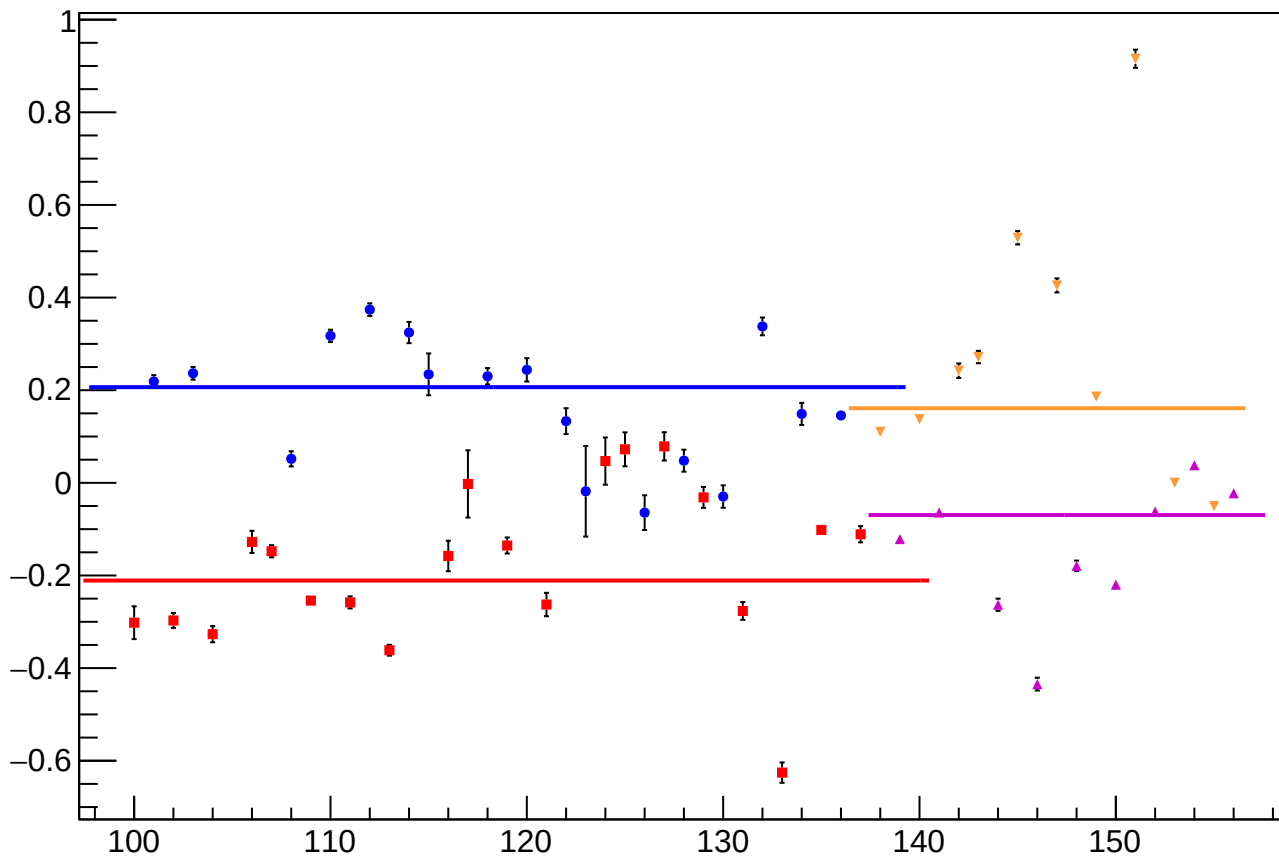
Left In: 1.806 ± 0.060 $\chi^2/\text{NDF}: 1217.3/8$

-1.679 ± 0.052 $\chi^2/\text{NDF}: 3008.6/26$

0.296 ± 0.034 $\chi^2/\text{NDF}: 8143.8/55$

1.729 ± 0.045 $\chi^2/\text{NDF}: 2691.5/28$

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.207 ± 0.004 χ^2/NDF : 655.0/16

Left Out: 0.161 ± 0.003 χ^2/NDF : 3515.3/9

Right Out: -0.211 ± 0.004 χ^2/NDF : 1153.8/19

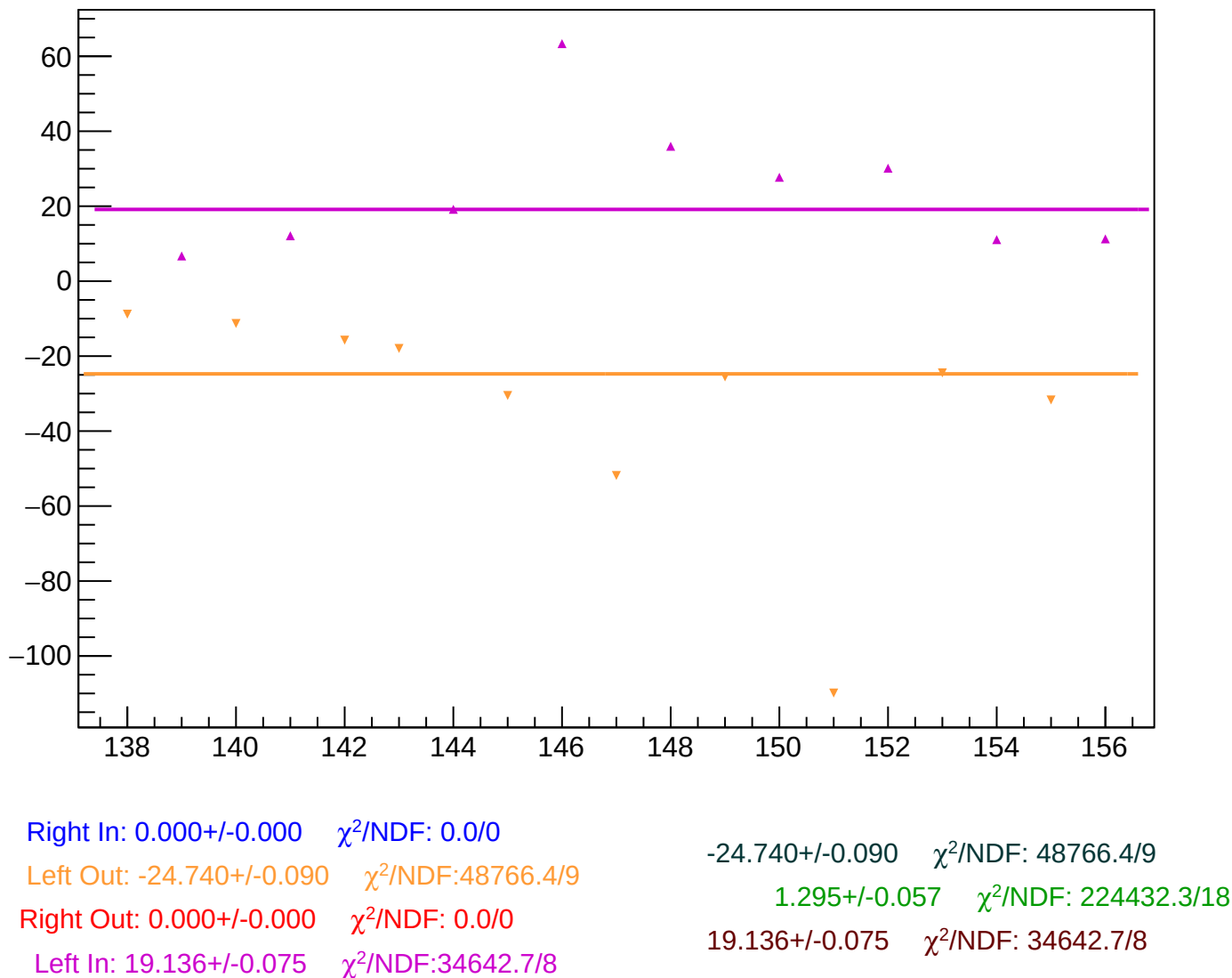
Left In: -0.070 ± 0.003 χ^2/NDF : 1804.3/8

0.180 ± 0.003 χ^2/NDF : 4239.2/26

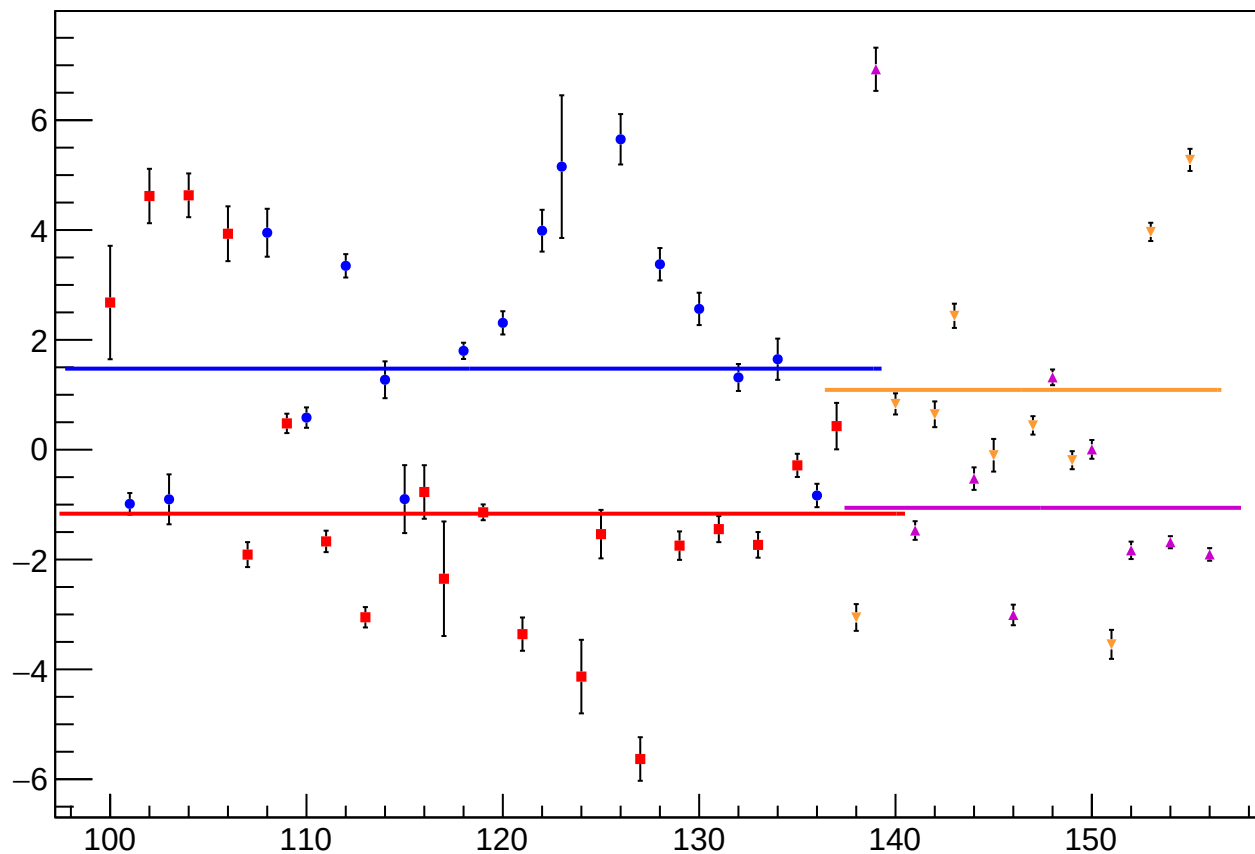
-0.001 ± 0.002 χ^2/NDF : 15523.9/55

-0.115 ± 0.002 χ^2/NDF : 3919.0/28

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.476 $\pm$ 0.064 χ^2 /NDF: 659.7/16

Left Out: 1.089 $\pm$ 0.064 χ^2 /NDF:1464.4/9

Right Out: -1.165 $\pm$ 0.060 χ^2 /NDF: 919.2/19

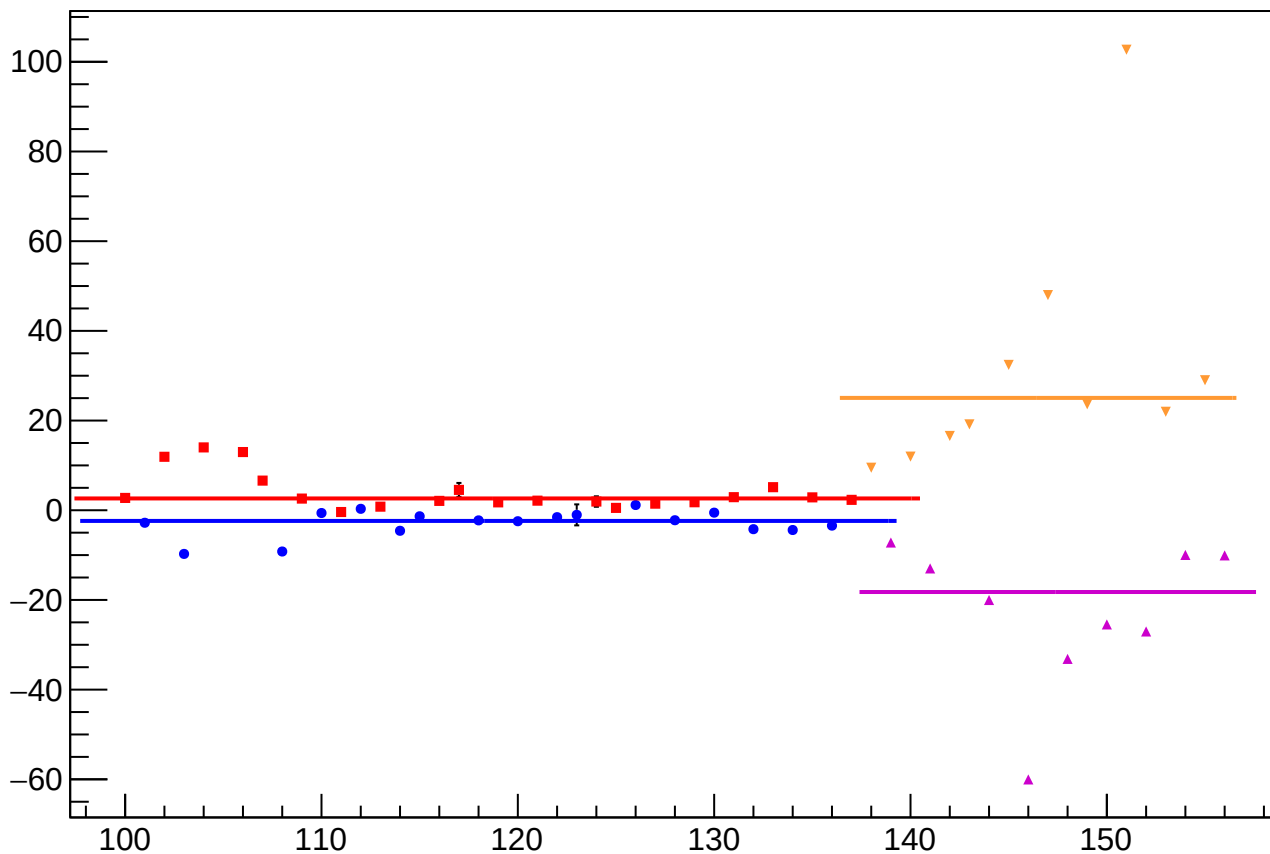
Left In: -1.058 $\pm$ 0.052 χ^2 /NDF:958.2/8

1.285 $\pm$ 0.045 χ^2 /NDF: 2142.3/26

-0.082 $\pm$ 0.030 χ^2 /NDF: 5618.1/55

-1.104 $\pm$ 0.039 χ^2 /NDF: 1879.3/28

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.380+/-0.115 χ^2/NDF : 438.8/16

Left Out: 25.053+/-0.090 χ^2/NDF : 43080.5/9

Right Out: 2.631+/-0.103 χ^2/NDF : 842.8/19

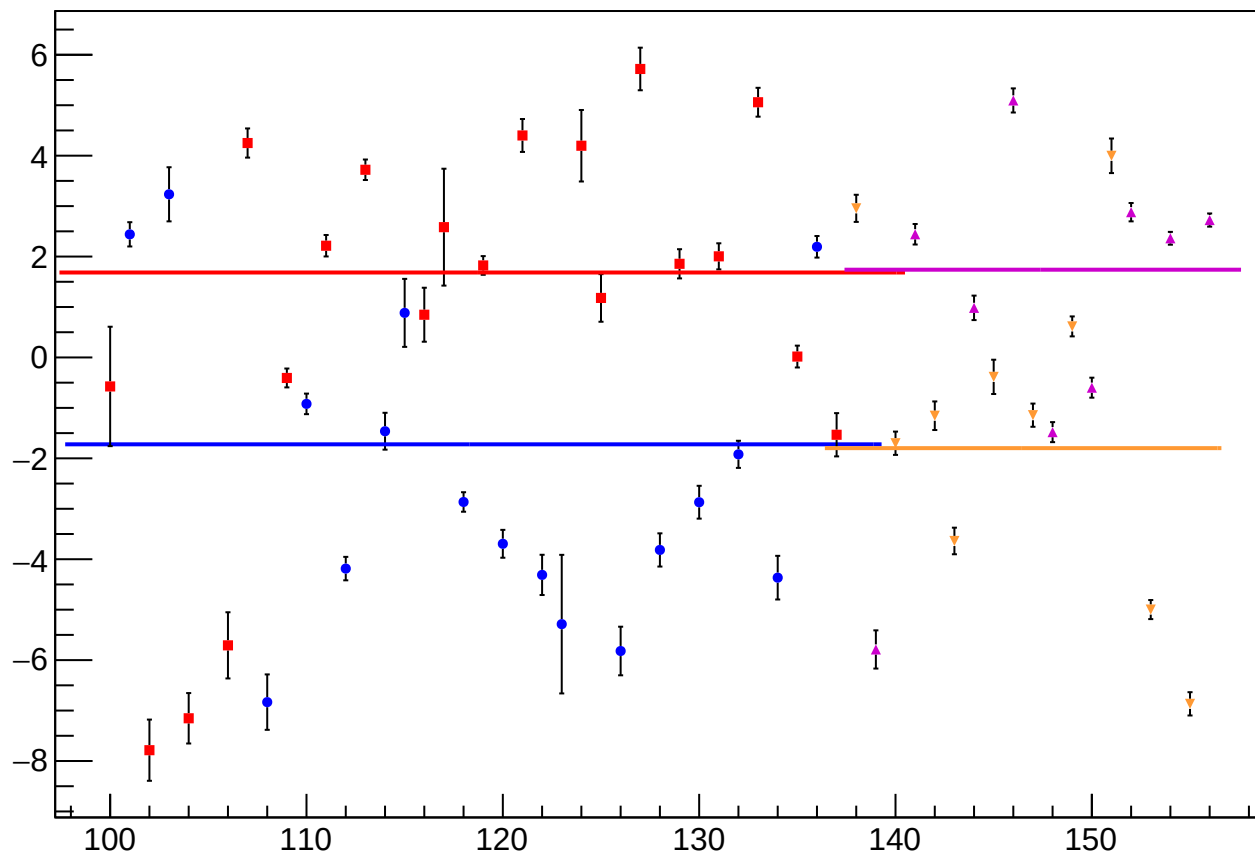
Left In: -18.232+/-0.072 χ^2/NDF : 32695.5/8

14.630+/-0.071 χ^2/NDF : 78786.4/26

-0.741+/-0.045 χ^2/NDF : 219430.8/55

-11.388+/-0.059 χ^2/NDF : 61092.8/28

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 $\chi^2/\text{NDF}: 1431.6/19$

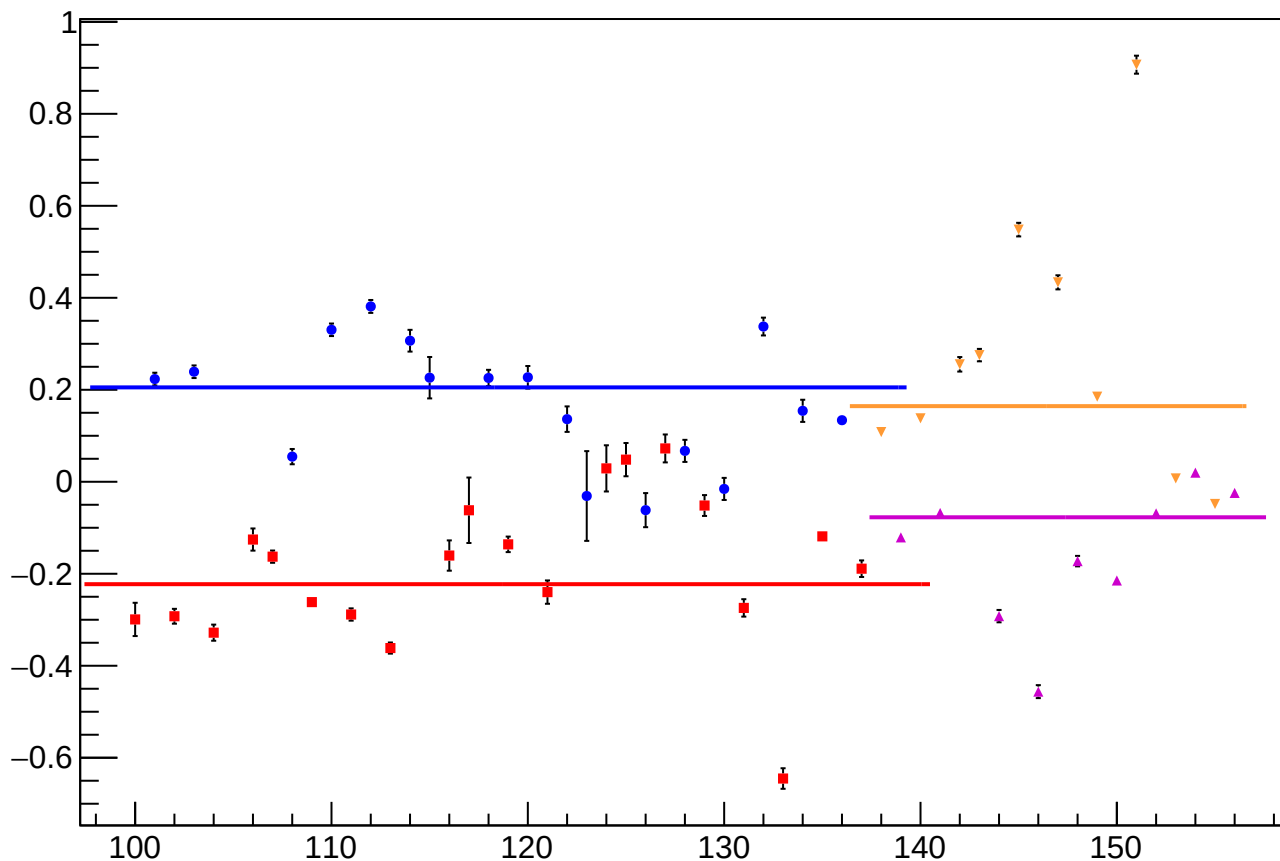
Left In: 1.739 ± 0.061 $\chi^2/\text{NDF}: 1136.2/8$

-1.758 ± 0.053 $\chi^2/\text{NDF}: 2843.1/26$

0.247 ± 0.035 $\chi^2/\text{NDF}: 7882.0/55$

1.715 ± 0.045 $\chi^2/\text{NDF}: 2568.2/28$

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 ± 0.004 χ^2/NDF : 650.7/16

Left Out: 0.164 ± 0.004 χ^2/NDF : 3504.7/9

Right Out: -0.223 ± 0.004 χ^2/NDF : 1045.6/19

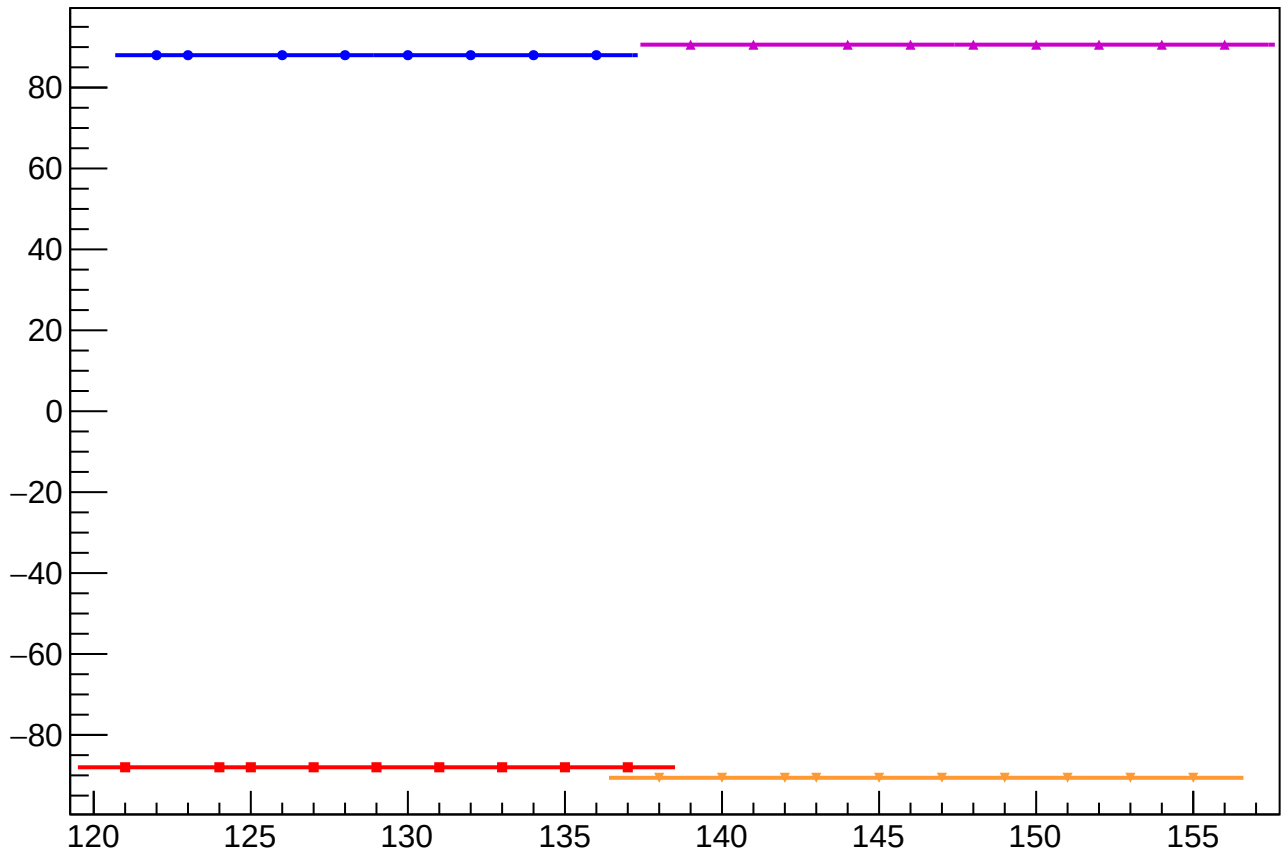
Left In: -0.077 ± 0.003 χ^2/NDF : 1724.6/8

0.181 ± 0.003 χ^2/NDF : 4209.3/26

-0.006 ± 0.002 χ^2/NDF : 15603.7/55

-0.124 ± 0.002 χ^2/NDF : 3748.7/28

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

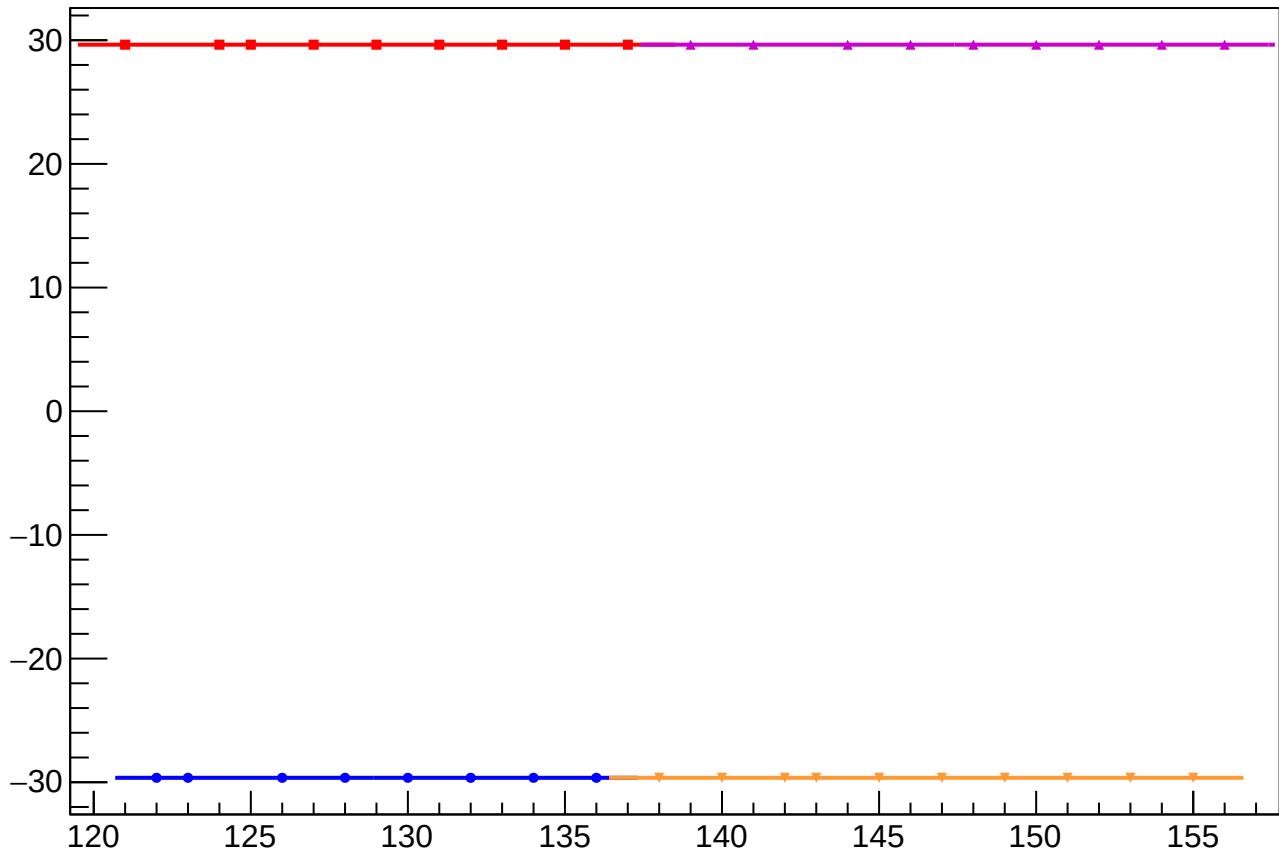
Left In: 90.599+/-0.000 χ^2/NDF : 563032.1/8

-35.071+/-0.000 χ^2/NDF : 75173632350545391

1.094+/-0.000 χ^2/NDF : 17592768169140

37.895+/-0.000 χ^2/NDF : 717270334956520422

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.641+/-0.000 χ^2/NDF : 405045.4/7

Left Out: -29.641+/-0.000 χ^2/NDF : 174559.1/9

Right Out: 29.641+/-0.000 χ^2/NDF : 29358.2/8

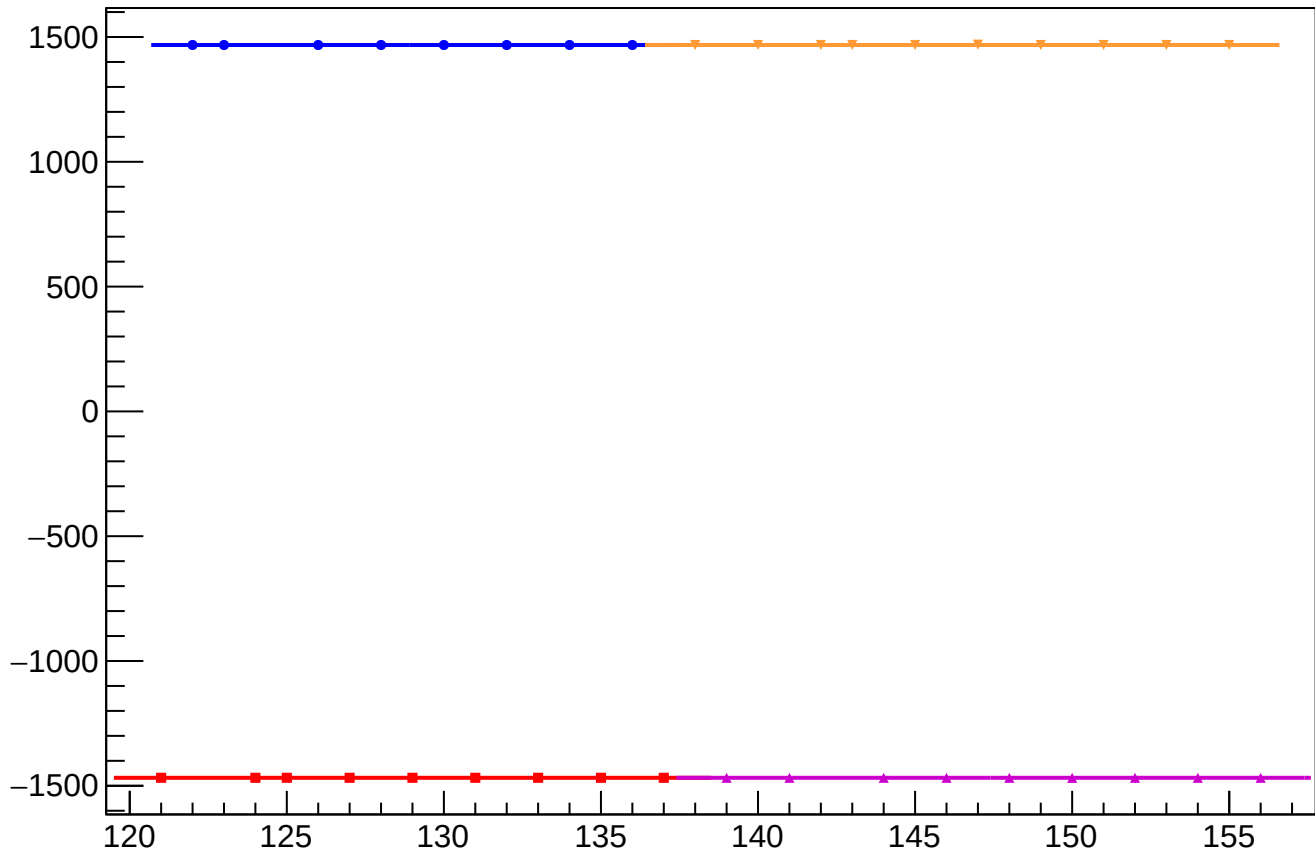
Left In: 29.641+/-0.000 χ^2/NDF : 21292.9/8

-29.641+/-0.000 χ^2/NDF : 987136.4/17

-0.258+/-0.000 χ^2/NDF : 19160185440114

29.641+/-0.000 χ^2/NDF : 1331054.5/17

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

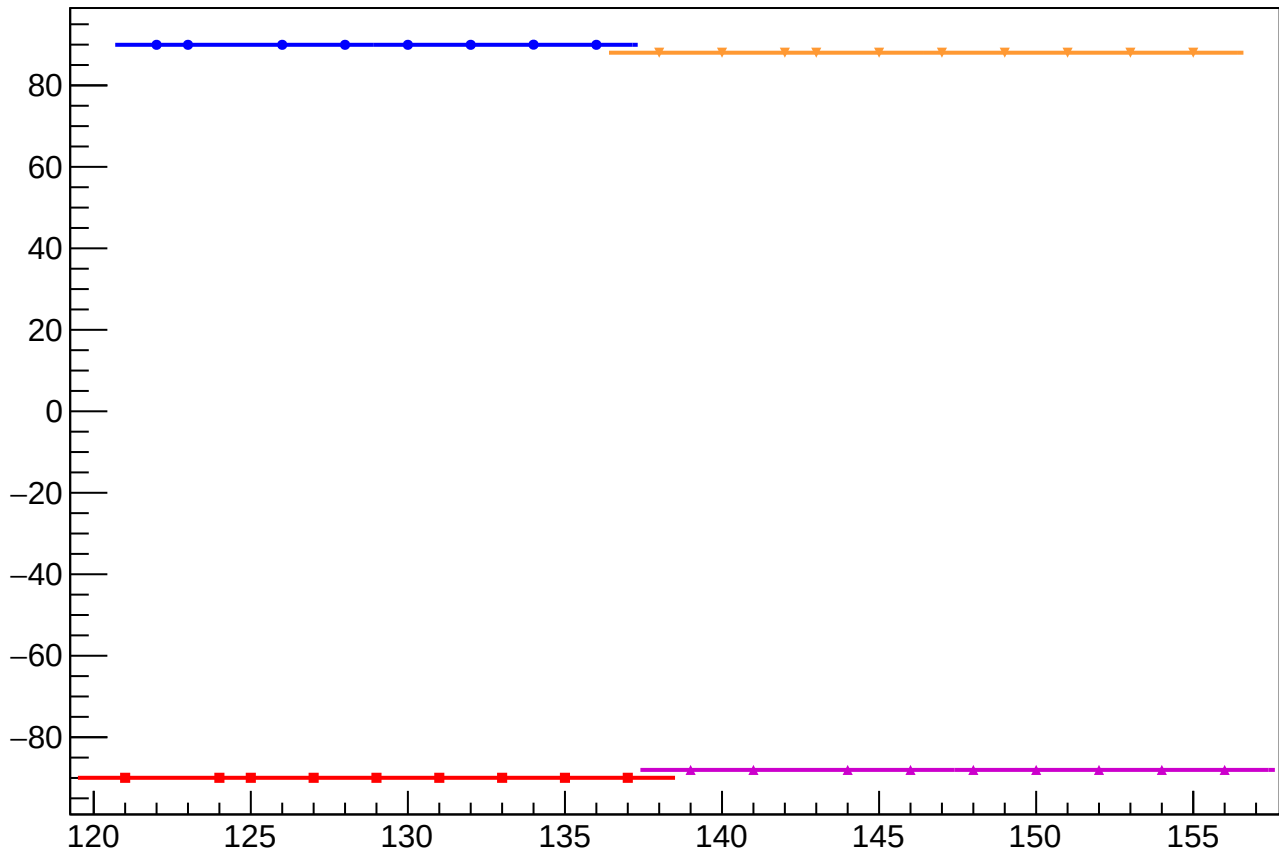
1468.077+/-0.000 χ^2/NDF : 1258626919929705

12.836+/-0.000 χ^2/NDF : 4699947621158

-1467.984+/-0.000 χ^2/NDF : 781498612103365

Left In: -1467.986+/-0.000 χ^2/NDF : 67997900242507892064822231040.0/8

Phi_FG_mean vs Slug, Sign Corrected



Right In: 89.961+/-0.000 χ^2/NDF : 21528640598708602874349223936.0/7

Left Out: 88.021+/-0.000 χ^2/NDF : 2950668.0/9

Right Out: -89.959+/-0.000 χ^2/NDF : 331397.3/8

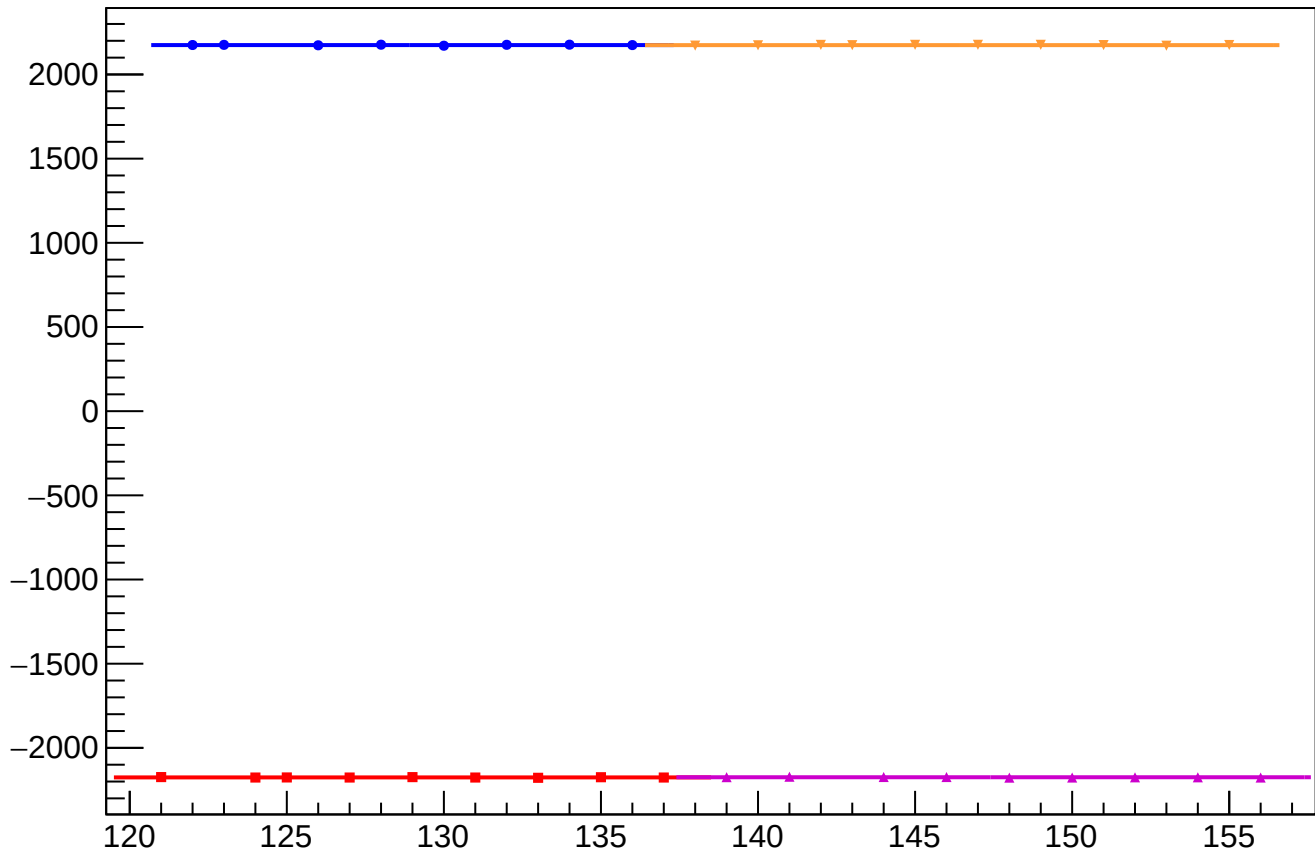
Left In: -88.021+/-0.000 χ^2/NDF : 908565.8/8

88.624+/-0.000 χ^2/NDF : 887555551329214554

0.788+/-0.000 χ^2/NDF : 17124449503281

-88.593+/-0.000 χ^2/NDF : 84507173650217244

HALLA_p_mean vs Slug, Sign Corrected



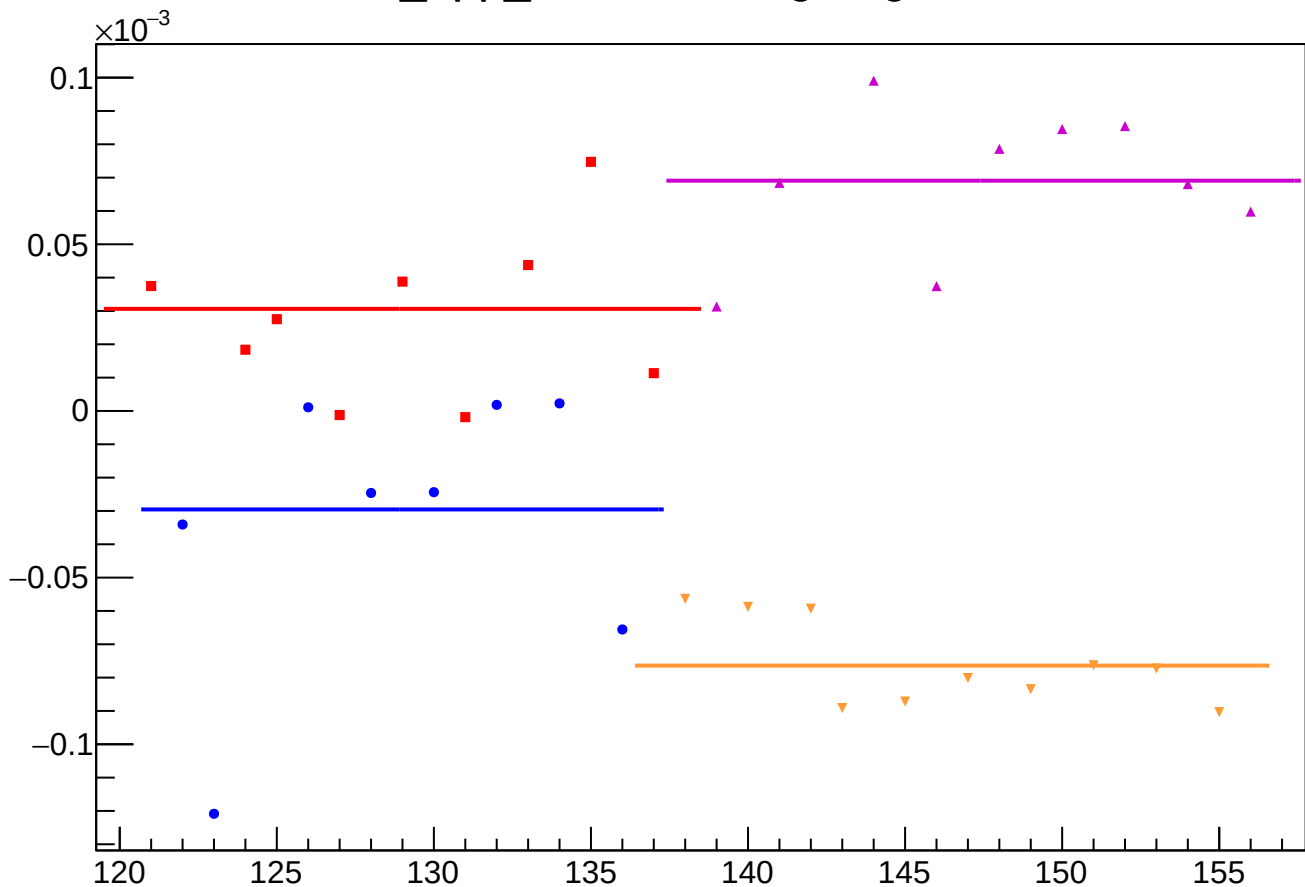
Right In: 2174.572 $\pm$ 0.000 χ^2 /NDF: 1360264074026849381407550448074752.0/7

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: -2174.499 $\pm$ 0.000 χ^2 /NDF: 2178260306619292091506619855142912.0/8

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

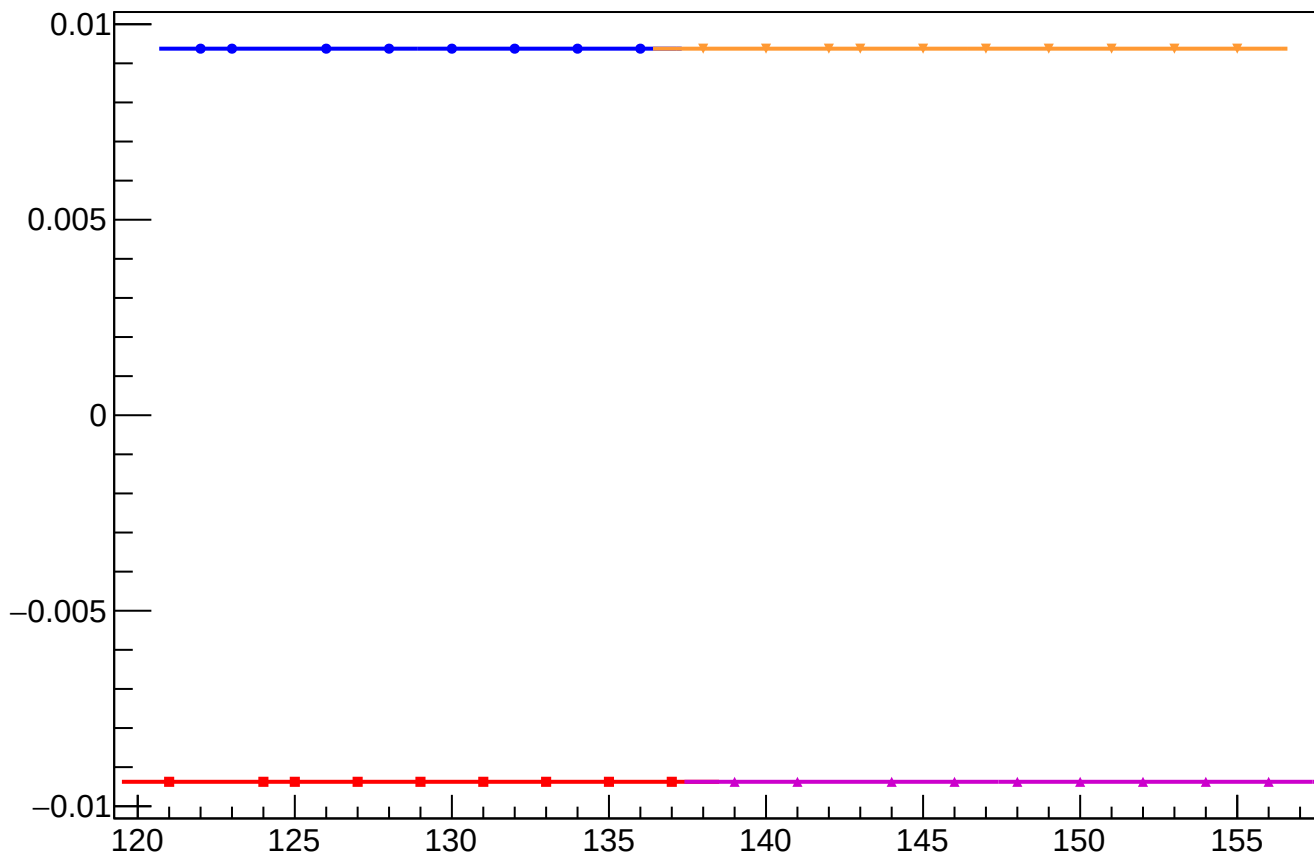
χ^2/NDF : 328587374124025883131904.0/8

-0.000 ± 0.000 χ^2/NDF : 879046036058235071

-0.000 ± 0.000 χ^2/NDF : 95319221080102

0.000 ± 0.000 χ^2/NDF : 8578193115809818418

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/9

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

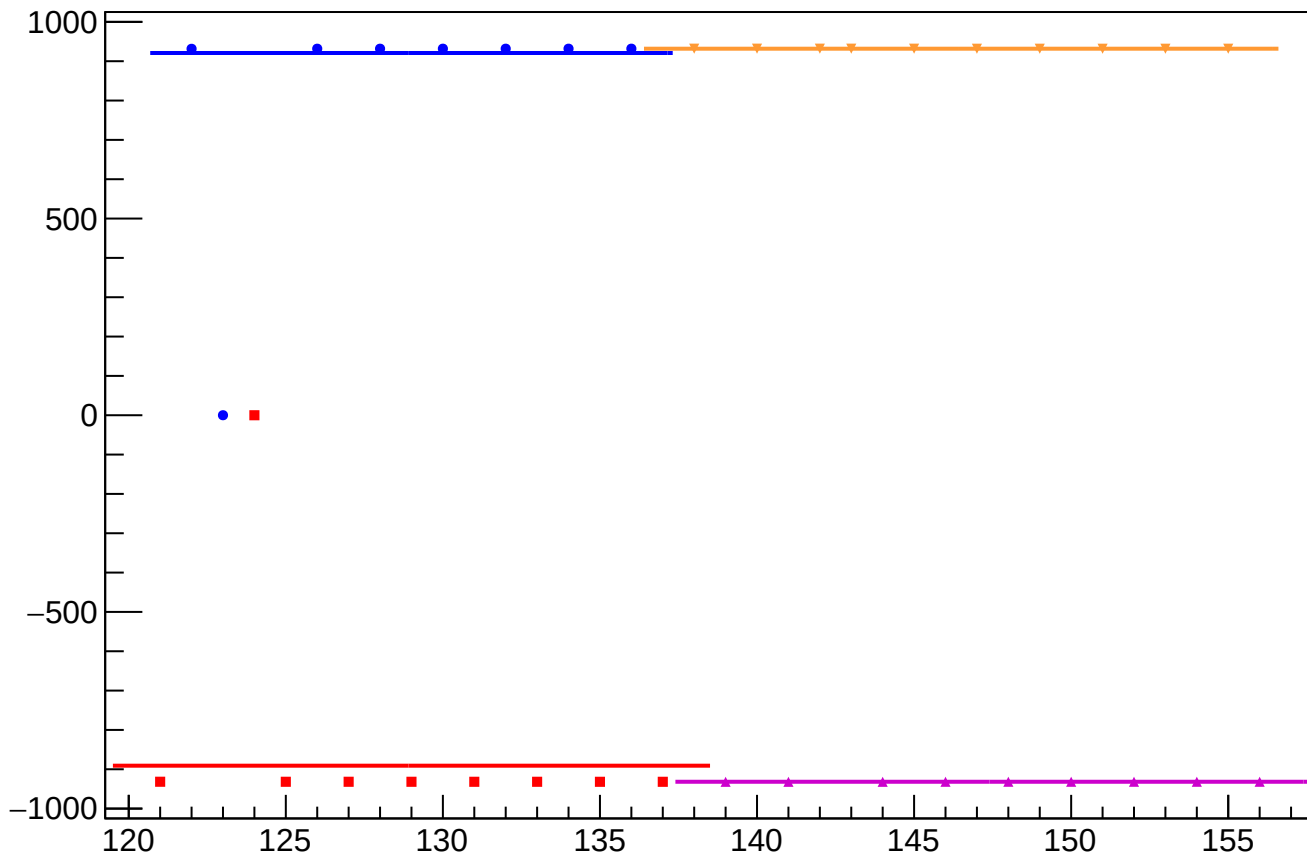
Left In: -0.009+/-0.000 χ^2/NDF : 0.0/8

0.009+/-0.000 χ^2/NDF : 0.1/17

0.000+/-0.000 χ^2/NDF : 19167490543328

-0.009+/-0.000 χ^2/NDF : 0.1/17

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



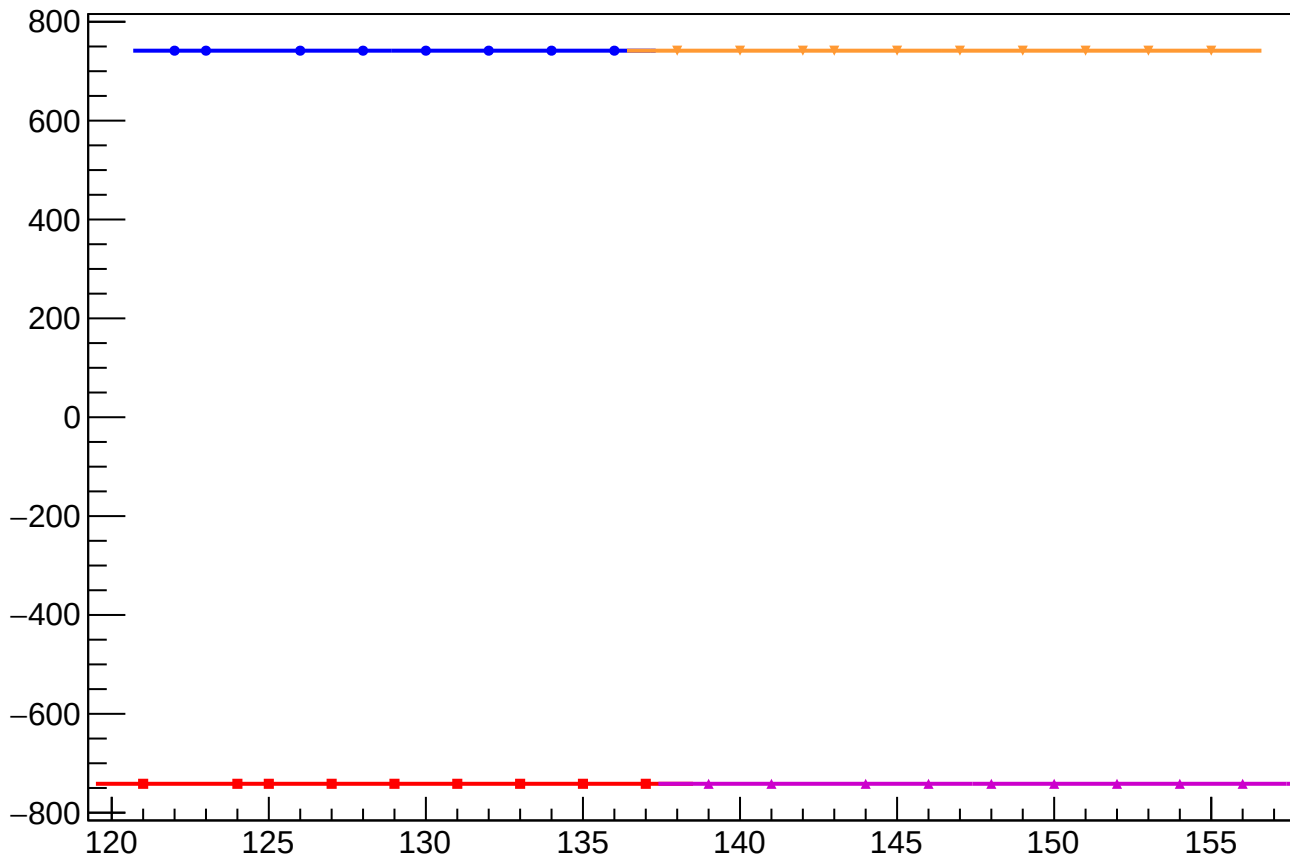
Right In: 920.898+/-0.000 χ^2/NDF : 3432128841951899861299566212080992256.0/7

Left Out: 931.797+/-0.000 χ^2/NDF : 3247433732058416186126002814976.0/9

Right Out: -890.923+/-0.000 χ^2/NDF : 11621671430114409722932854398744788992.0/8

Left In: -931.781+/-0.000 χ^2/NDF : 2980252145516025845018951417856.0/8

HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 741.528+/-0.000 χ^2/NDF : 18896144326732419810052800512.0/7

Left Out: 741.521+/-0.000 χ^2/NDF : 79716798014035668118513123328.0/9

Right Out: -741.529+/-0.000 χ^2/NDF : 16580353917842624420385914880.0/8

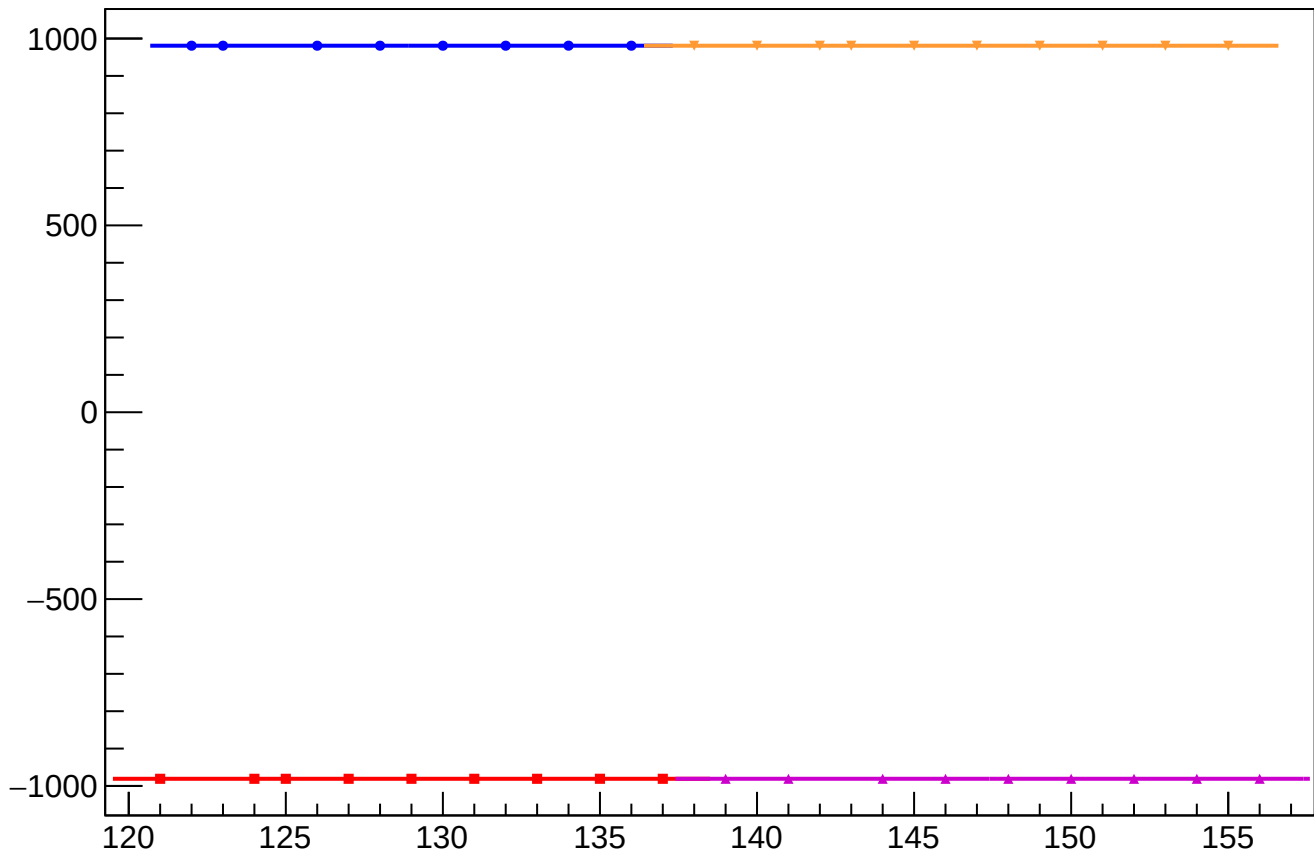
Left In: -741.519+/-0.000 χ^2/NDF : 82937921910358277240244928512.0/8

741.523+/-0.000 χ^2/NDF : 10987962863249727

6.460+/-0.000 χ^2/NDF : 11991435676924

-741.522+/-0.000 χ^2/NDF : 1195633239986414

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.825+/-0.000 χ^2/NDF : 159345321268745350954763681792.0/7

Left Out: 980.777+/-0.000 χ^2/NDF : 499469382731207193820754083840.0/9

Right Out: -980.818+/-0.000 χ^2/NDF : 143689912167528137563261894656.0/8

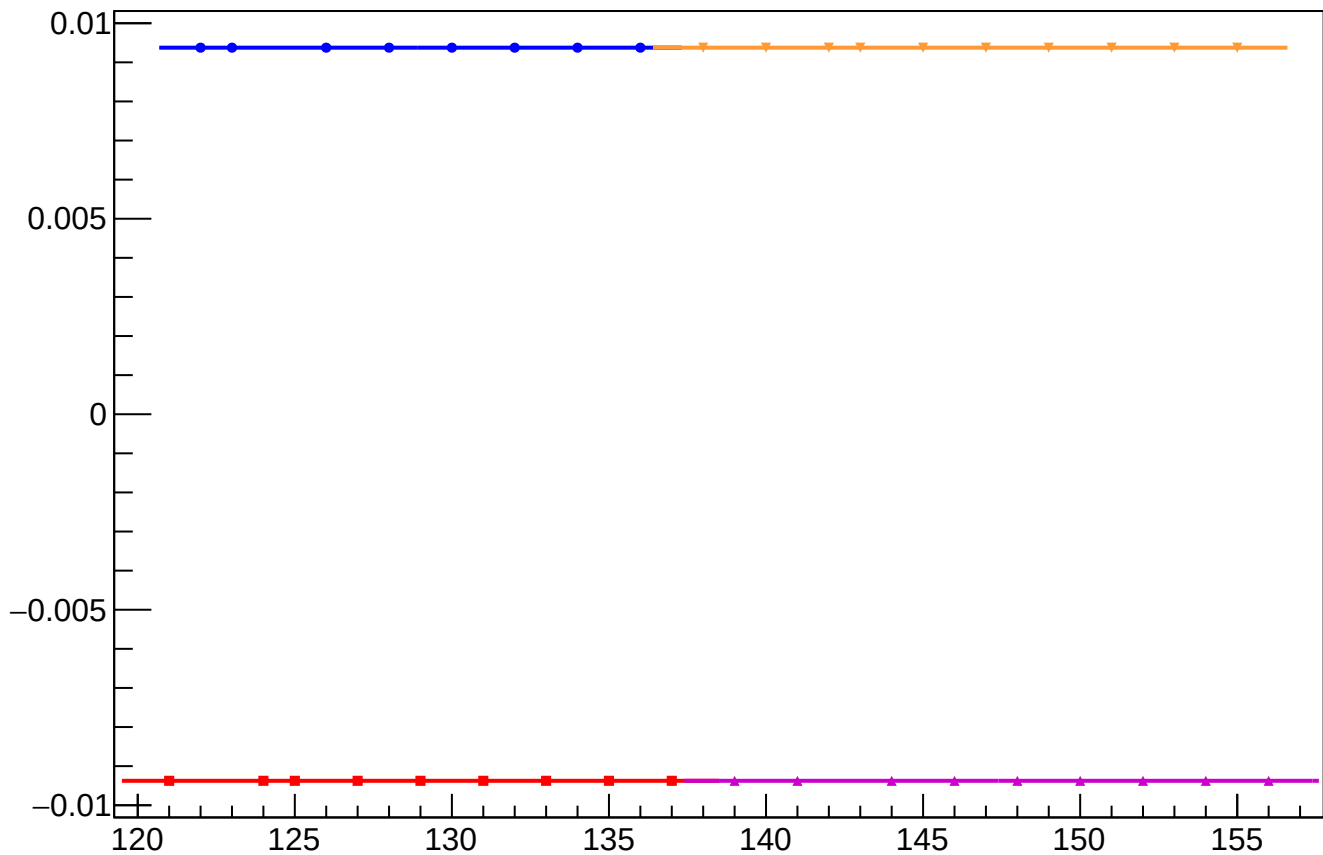
Left In: -980.791+/-0.000 χ^2/NDF : 959905724552845199871934726144.0/8

980.792+/-0.000 χ^2/NDF : 11997637221990354

8.541+/-0.000 χ^2/NDF : 20978750201480

-980.799+/-0.000 χ^2/NDF : 1275206263475573

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/9

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

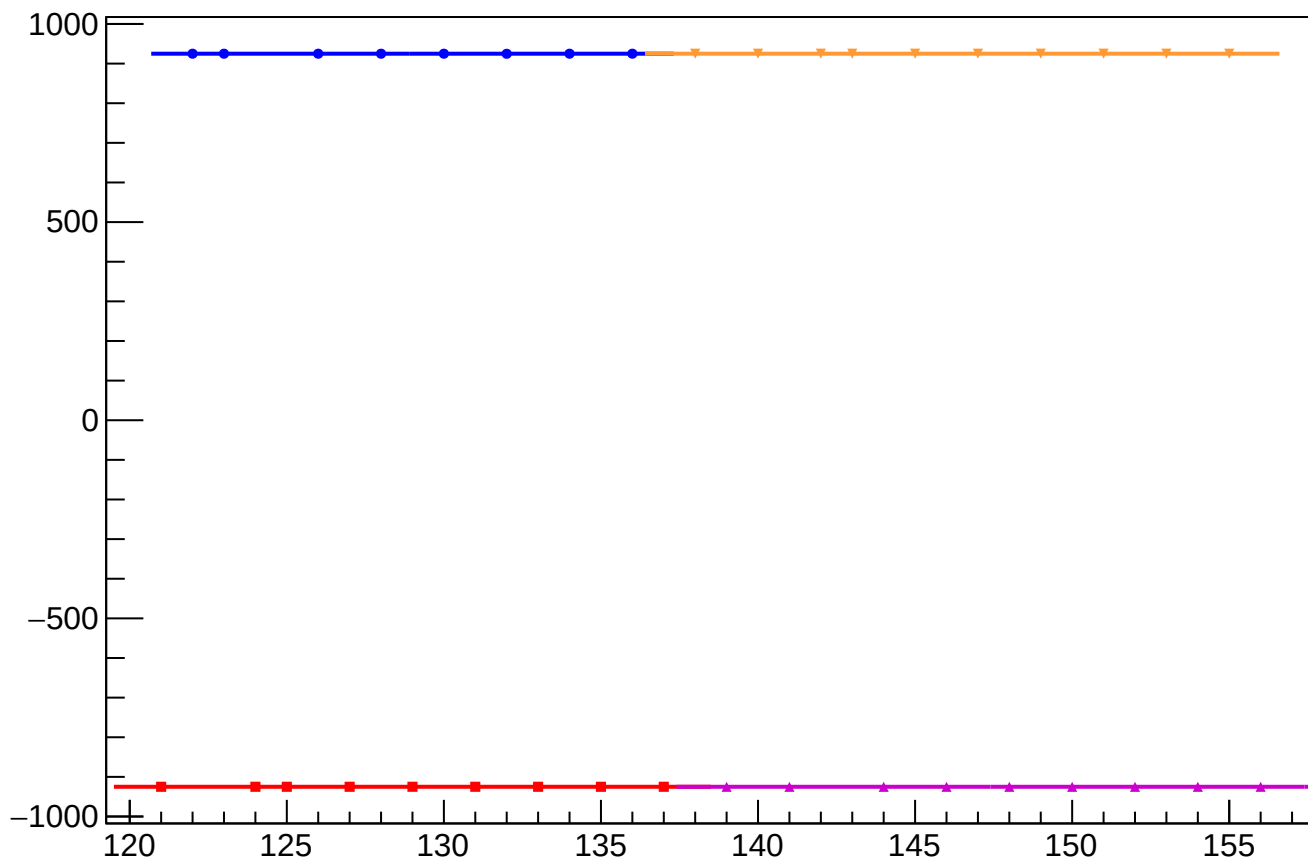
Left In: -0.009+/-0.000 χ^2/NDF : 0.0/8

0.009+/-0.000 χ^2/NDF : 0.1/17

0.000+/-0.000 χ^2/NDF : 19167490543328

-0.009+/-0.000 χ^2/NDF : 0.1/17

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.939+/-0.000 χ^2/NDF : 1401458495809517406218388242432.0/7

Left Out: 924.999+/-0.000 χ^2/NDF : 411313477663764445042808193024.0/9

Right Out: -924.957+/-0.000 χ^2/NDF : 71808709366506786060310151168.0/8

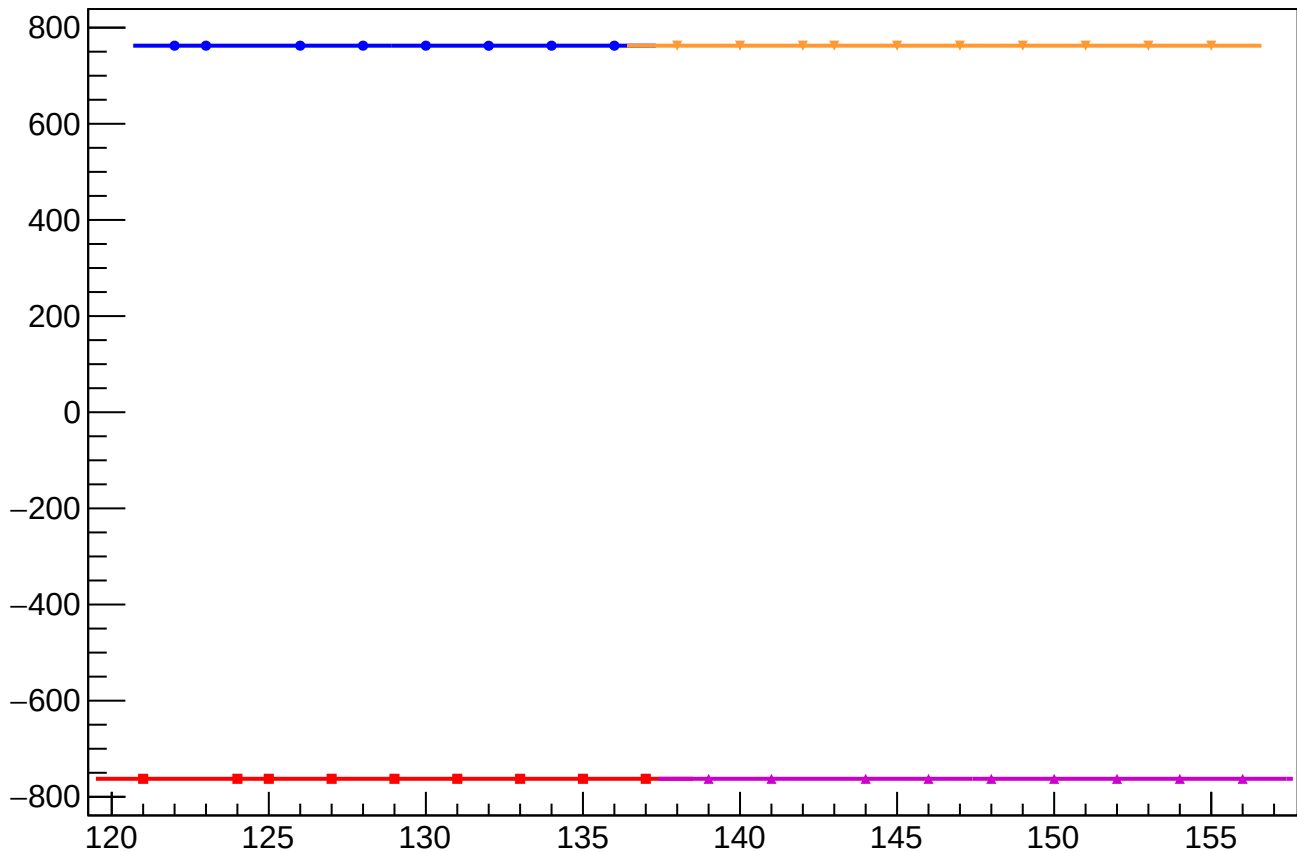
Left In: -924.998+/-0.000 χ^2/NDF : 375753537753950810729898573824.0/8

924.980+/-0.000 χ^2/NDF : 2647780023660384

8.055+/-0.000 χ^2/NDF : 18659093435792

-924.986+/-0.000 χ^2/NDF : 8323024833789555

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

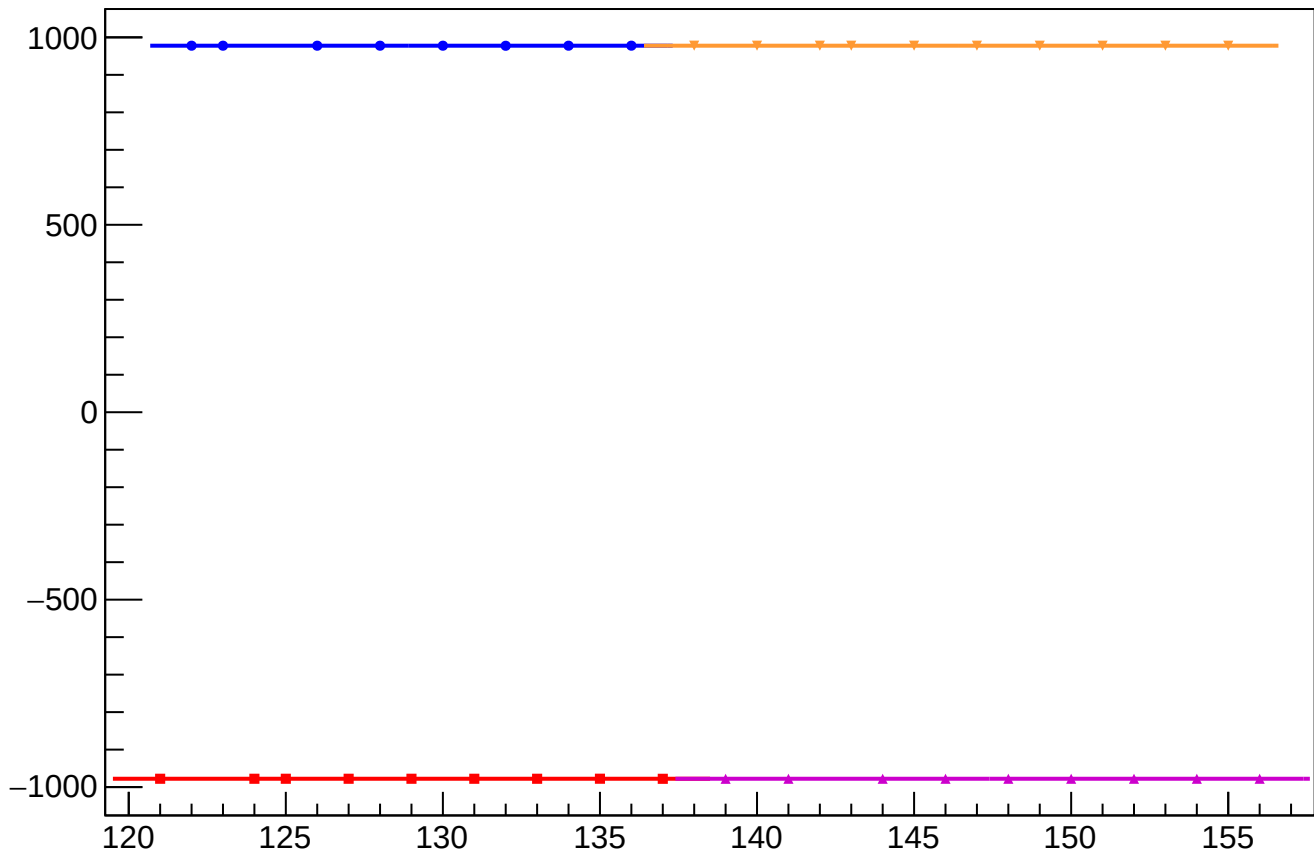
Left In: -762.501+/-0.000 χ^2/NDF : 58732924440148468995729653760.0/8

762.494+/-0.000 χ^2/NDF : 91010319024997545

6.639+/-0.000 χ^2/NDF : 12679423692655

-762.501+/-0.000 χ^2/NDF : 5921594272288397

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.741+/-0.000 χ^2/NDF : 1738104571804792841781326643200.0/7

Left Out: 977.752+/-0.000 χ^2/NDF : 813469566766241485954362638336.0/9

Right Out: -977.737+/-0.000 χ^2/NDF : 772313054358211830610902646784.0/8

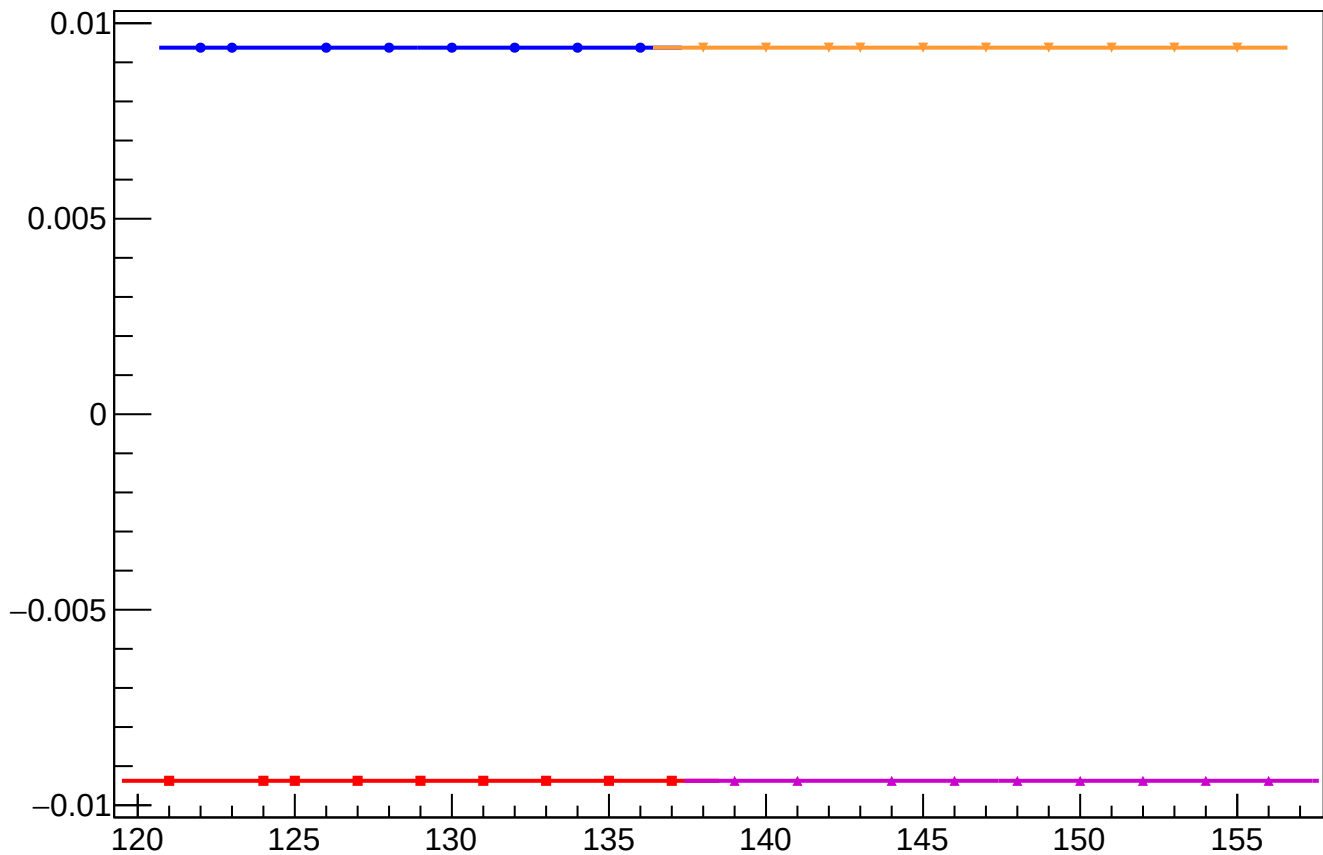
Left In: -977.745+/-0.000 χ^2/NDF : 786358071479801681044482031616.0/8

977.749+/-0.000 χ^2/NDF : 25836633171087419

8.521+/-0.000 χ^2/NDF : 20848491312214

-977.743+/-0.000 χ^2/NDF : 1573817157681108

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/9

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

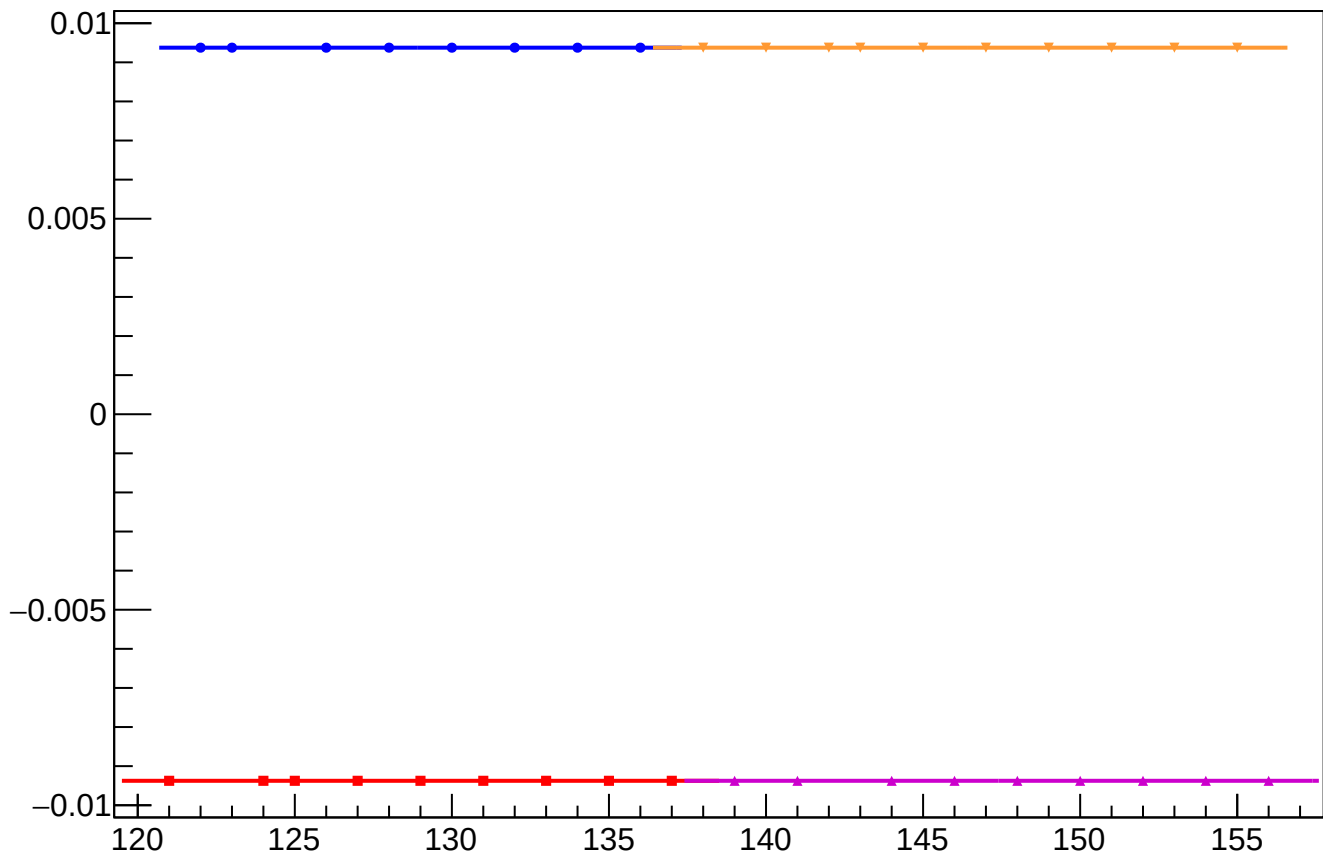
Left In: -0.009+/-0.000 χ^2/NDF : 0.0/8

0.009+/-0.000 χ^2/NDF : 0.1/17

0.000+/-0.000 χ^2/NDF : 19167490543328

-0.009+/-0.000 χ^2/NDF : 0.1/17

MSUPERBIGBITereadcalc_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/9

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

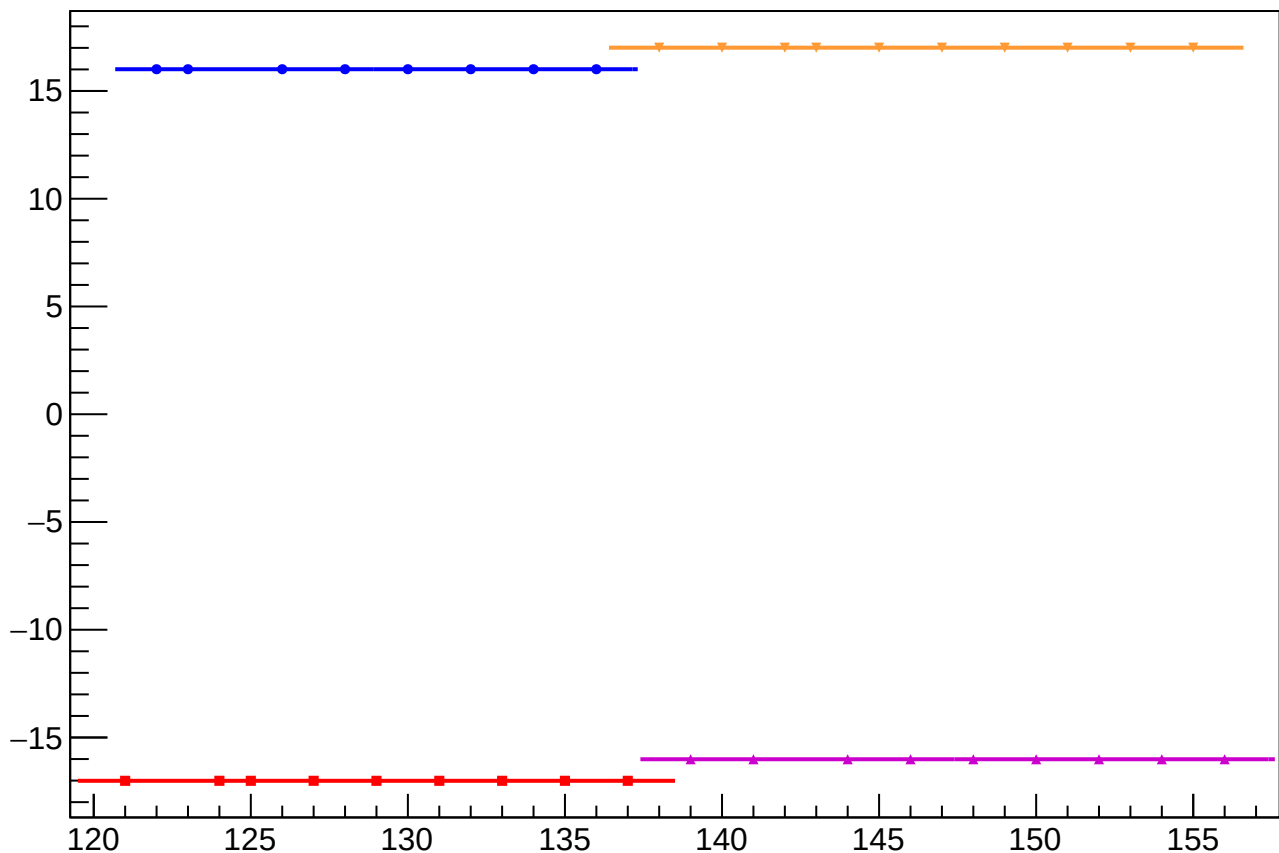
Left In: -0.009+/-0.000 χ^2/NDF : 0.0/8

0.009+/-0.000 χ^2/NDF : 0.1/17

0.000+/-0.000 χ^2/NDF : 19167490543328

-0.009+/-0.000 χ^2/NDF : 0.1/17

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



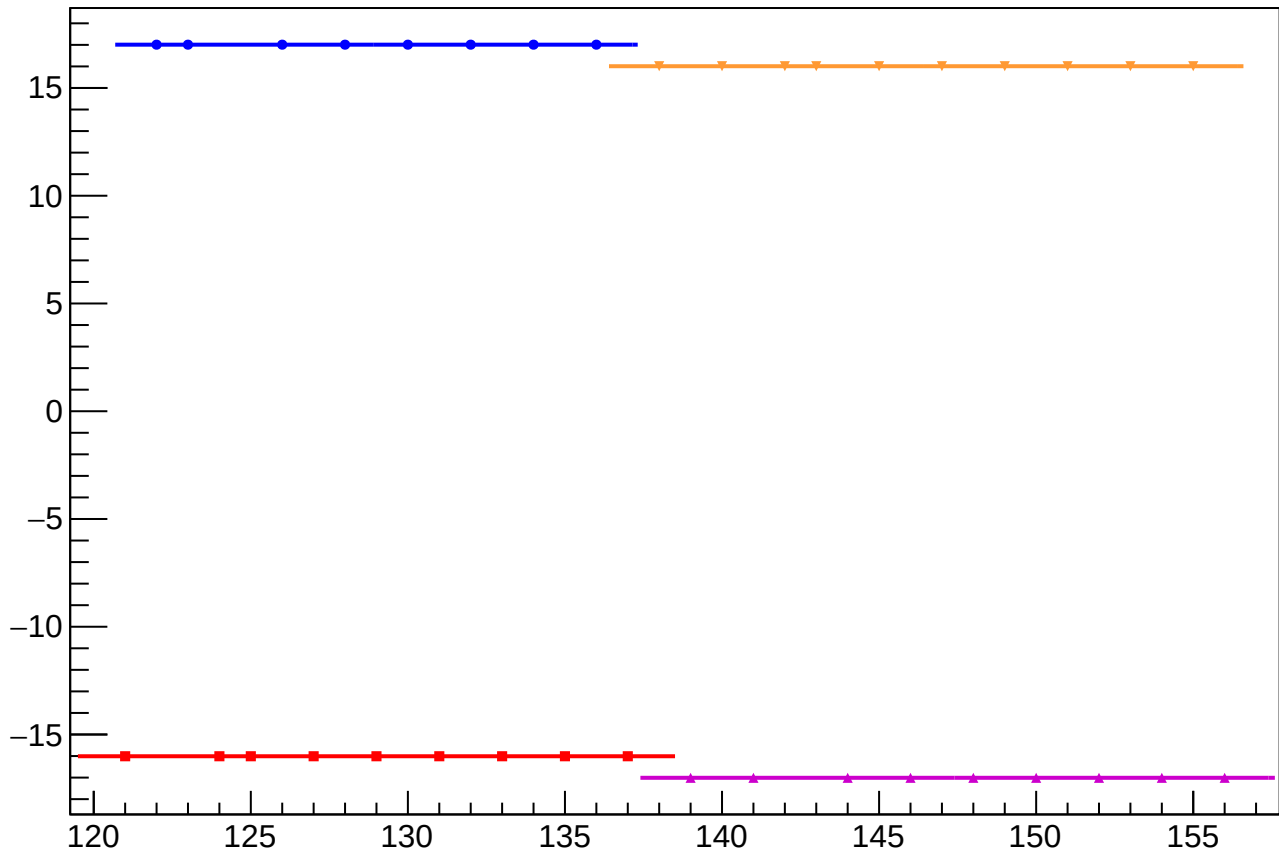
Right In: 16.009+/-0.000 χ^2/NDF : 30506.8/7

Left Out: 17.009+/-0.000 χ^2/NDF : 9633055740760340629028864.0/9

Right Out: -17.009+/-0.000 χ^2/NDF : 8333578329558812540796928.0/8

Left In: -16.009+/-0.000 χ^2/NDF : 25130.0/8

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

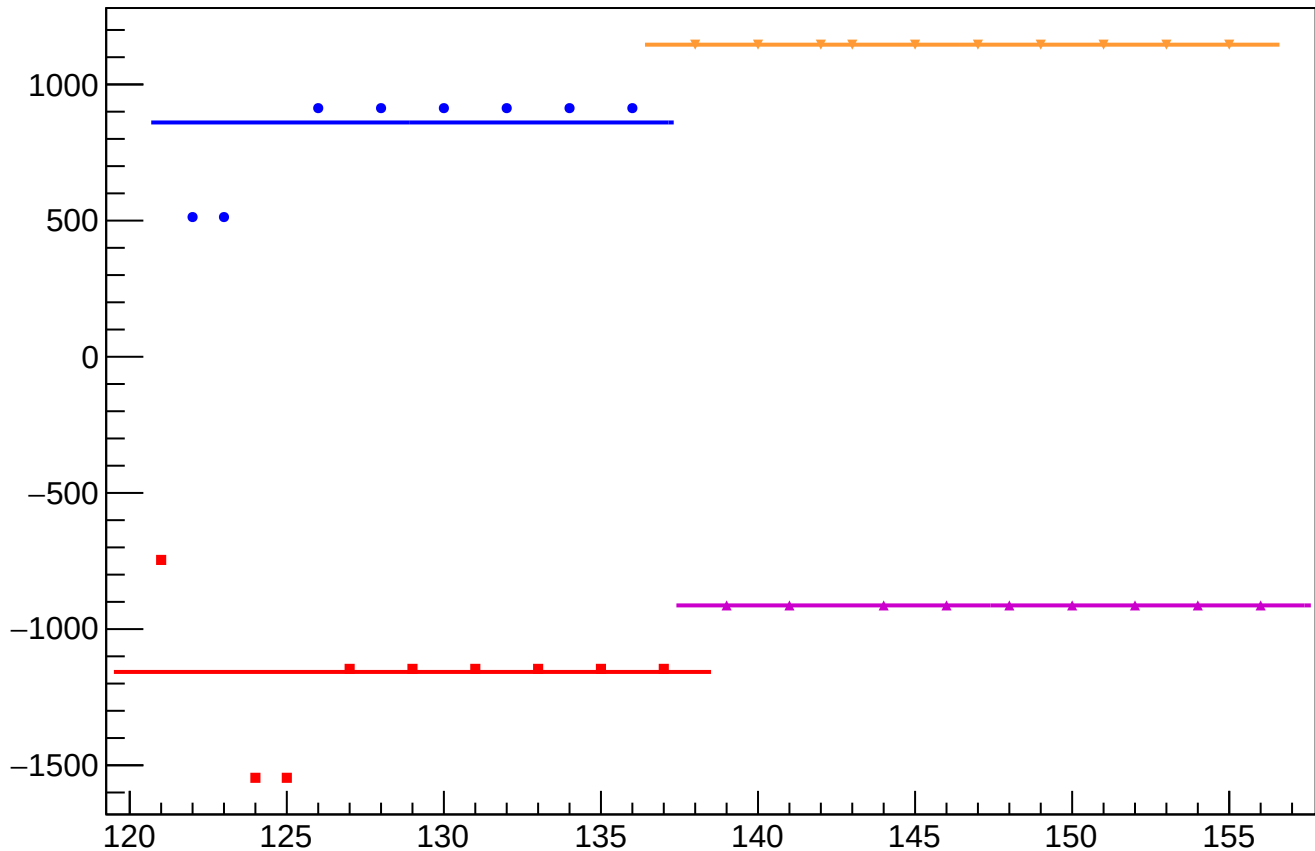
Left In: -17.009+/-0.000 χ^2/NDF : 6942.0/8

16.323+/-0.000 χ^2/NDF : 23489010989010538

-0.112+/-0.000 χ^2/NDF : 5933654160734

-16.714+/-0.000 χ^2/NDF : 22486401480108882

RTPAPOSUCNT_mean vs Slug, Sign Corrected



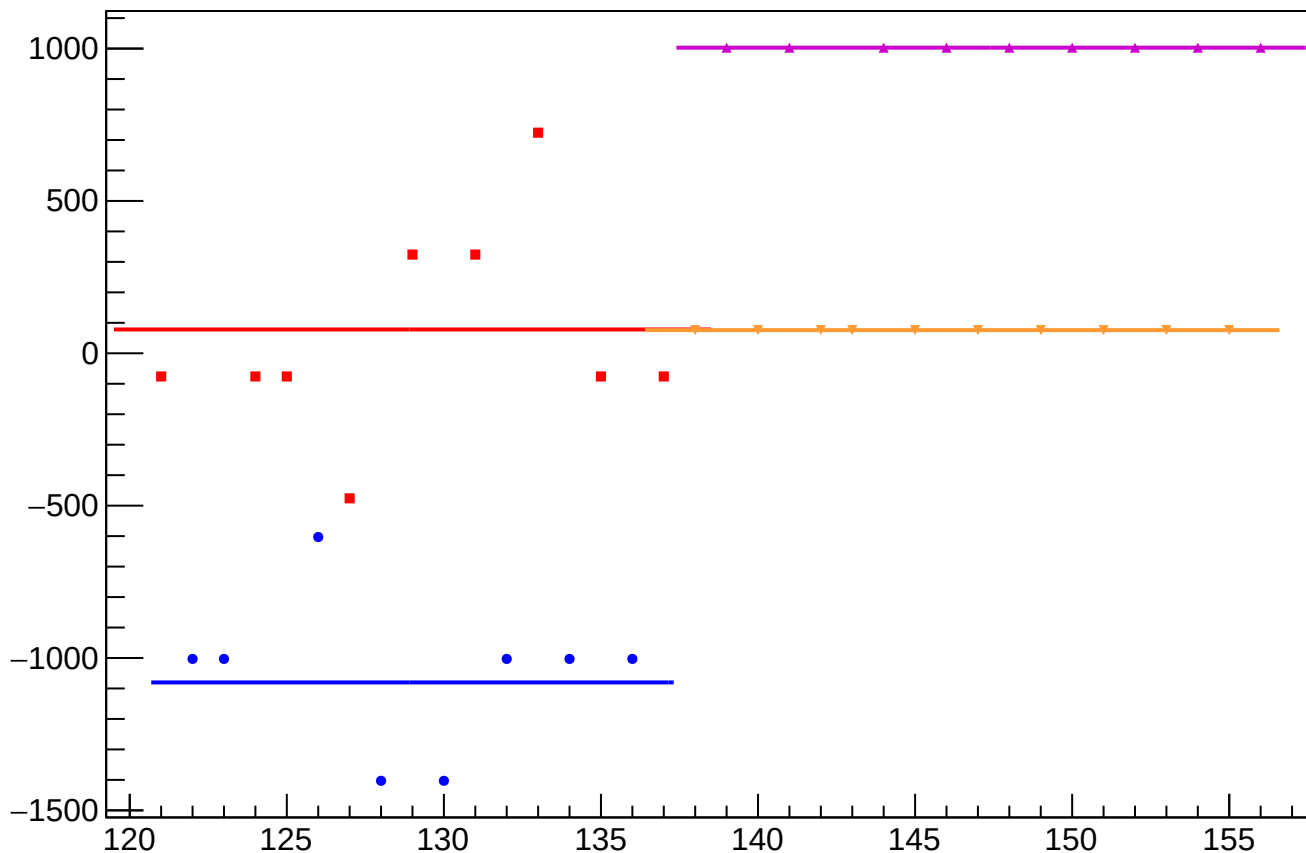
Right In: 860.361+/-0.000 χ^2/NDF : 6252693455178703850651720460594577408.0/7

Left Out: 1146.011+/-0.000 χ^2/NDF : 2612951619900884841628958720.0/9

Right Out: -1157.295+/-0.000 χ^2/NDF : 13880040120623316310083946144856014848.0/8

Left In: -912.993+/-0.000 χ^2/NDF : 9563447604203700901925355520.0/8

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Right In: -1080.182+/-0.000 χ^2/NDF : 21641787691490496475350584298794123264.0/7

Left Out: 76.011+/-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 : 1110083778837018645681405952.0/8