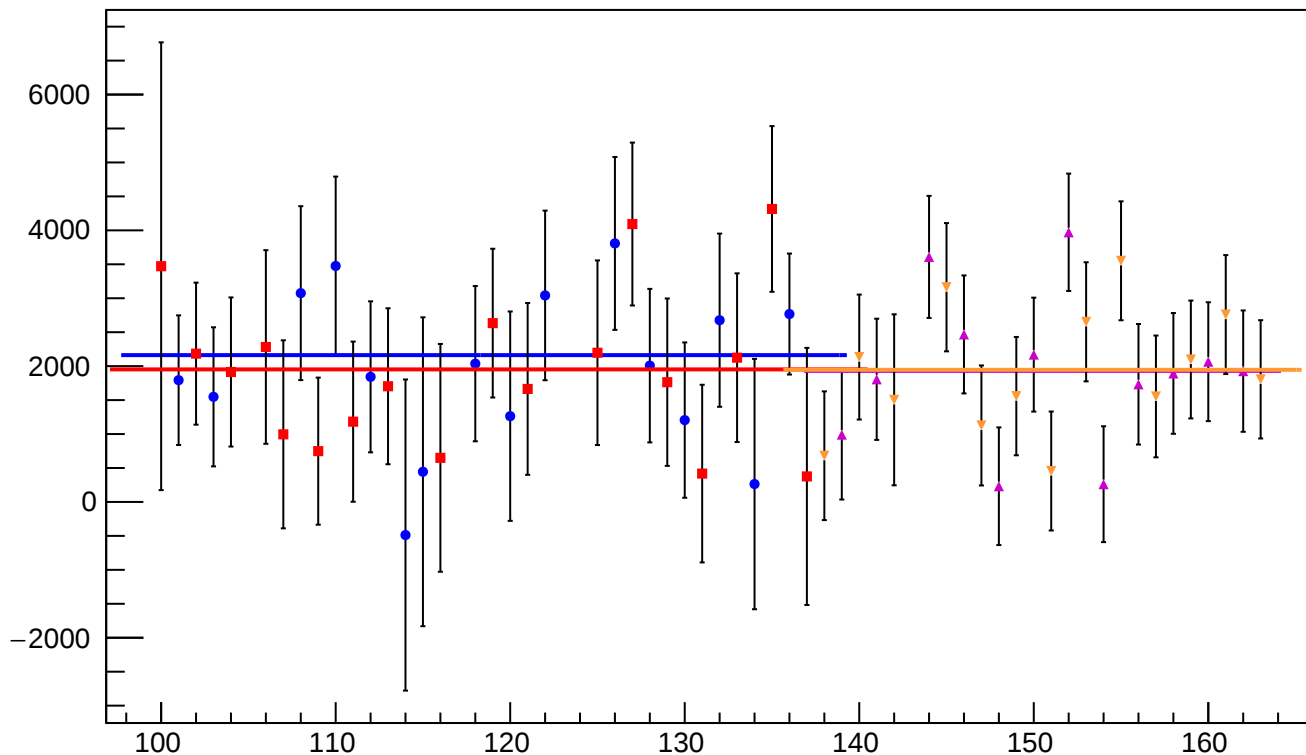


reg_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2162.311+/-307.312

Left Out: 1945.990+/-252.049

Right Out: 1952.148+/-300.581

Left In: 1930.177+/-254.256

χ^2/NDF : 8.9/15

χ^2/NDF : 12.7/12

χ^2/NDF : 12.6/17

χ^2/NDF : 18.3/11

Left: 1938.152+/-179.001

Right: 2054.903+/-214.883

In: 2024.506+/-195.900

Out: 1948.532+/-193.134

All: 1985.979+/-137.534

χ^2/NDF : 30.9/24

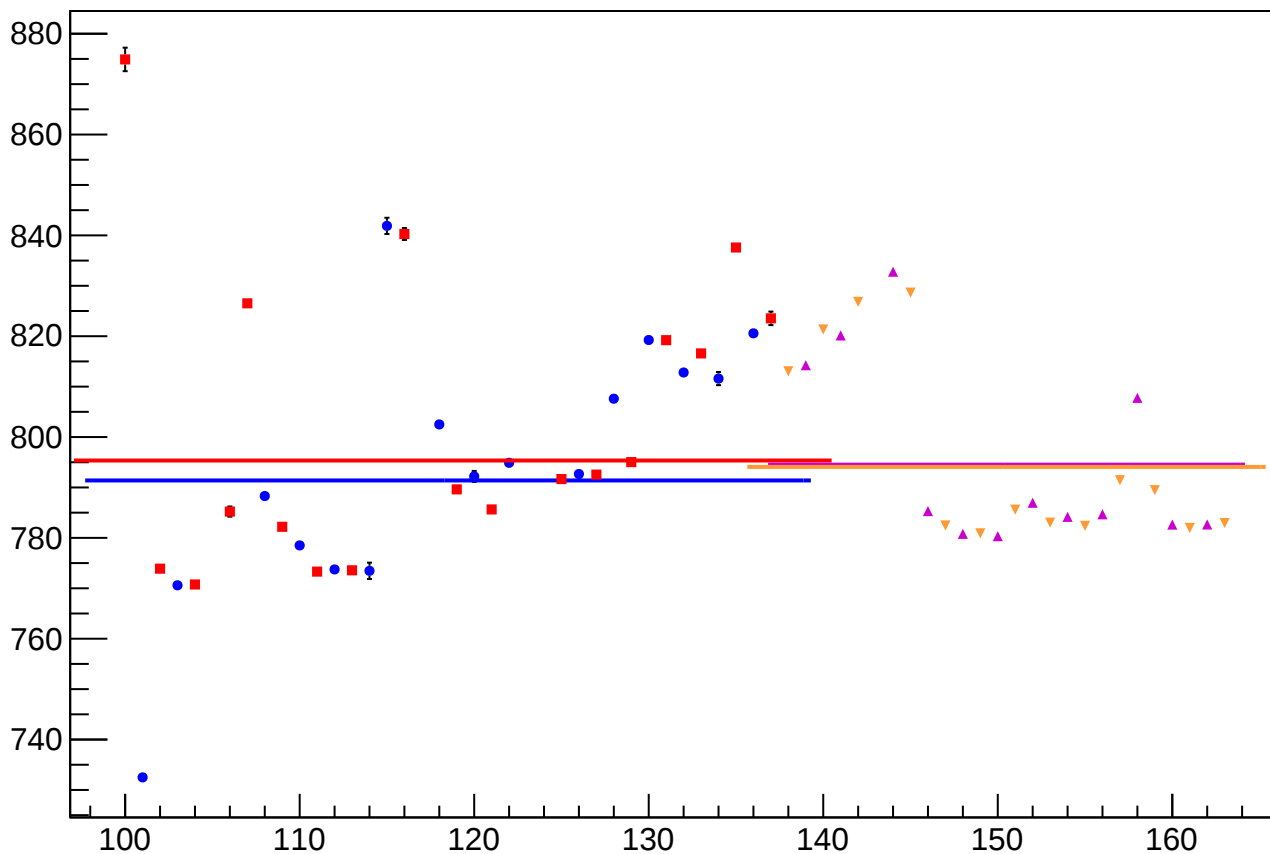
χ^2/NDF : 21.8/33

χ^2/NDF : 27.5/27

χ^2/NDF : 25.3/30

χ^2/NDF : 52.9/58

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 794.075 $\pm$ 0.178 χ^2 /NDF: 9034.2/12

Right Out: 795.345 $\pm$ 0.213 χ^2 /NDF: 11559.8/17

Left In: 794.529 $\pm$ 0.180 χ^2 /NDF: 9284.7/11

Left: 794.300 $\pm$ 0.127 χ^2 /NDF: 18322.1/24

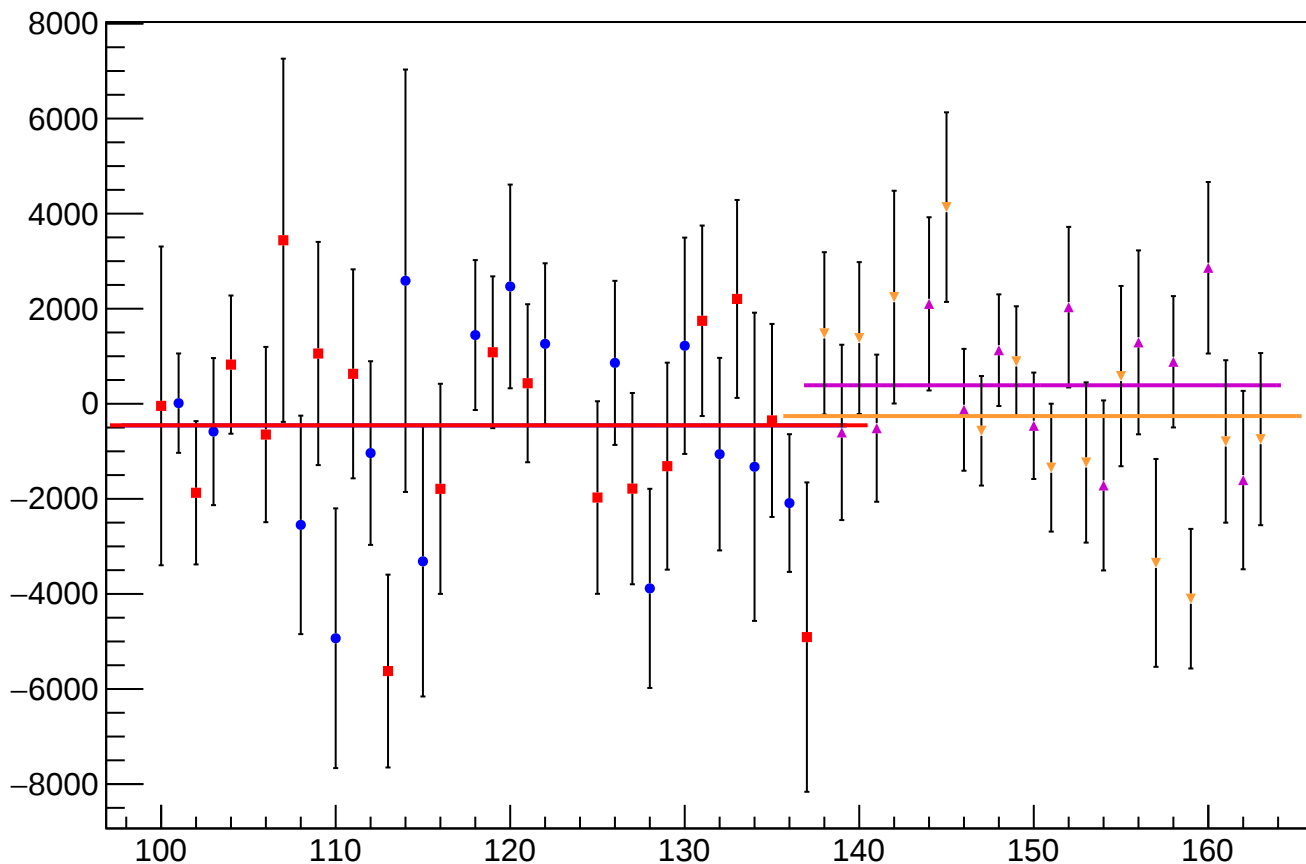
Right: 793.411 $\pm$ 0.152 χ^2 /NDF: 26737.3/33

In: 793.254 $\pm$ 0.139 χ^2 /NDF: 24416.9/27

Out: 794.599 $\pm$ 0.137 χ^2 /NDF: 20614.9/30

All: 793.936 $\pm$ 0.097 χ^2 /NDF: 45079.6/58

asym_us_avg_correction_mean vs Slug, Sign Corrected



Left: 65.209 $\pm$ 310.415 χ^2/NDF : 28.9/24

Right: -454.187 $\pm$ 331.236 χ^2/NDF : 32.2/33

In: -9.620 $\pm$ 318.929 χ^2/NDF : 25.0/27

Out: -348.647 $\pm$ 321.727 χ^2/NDF : 36.9/30

All: -177.653 $\pm$ 226.500 χ^2/NDF : 62.4/58

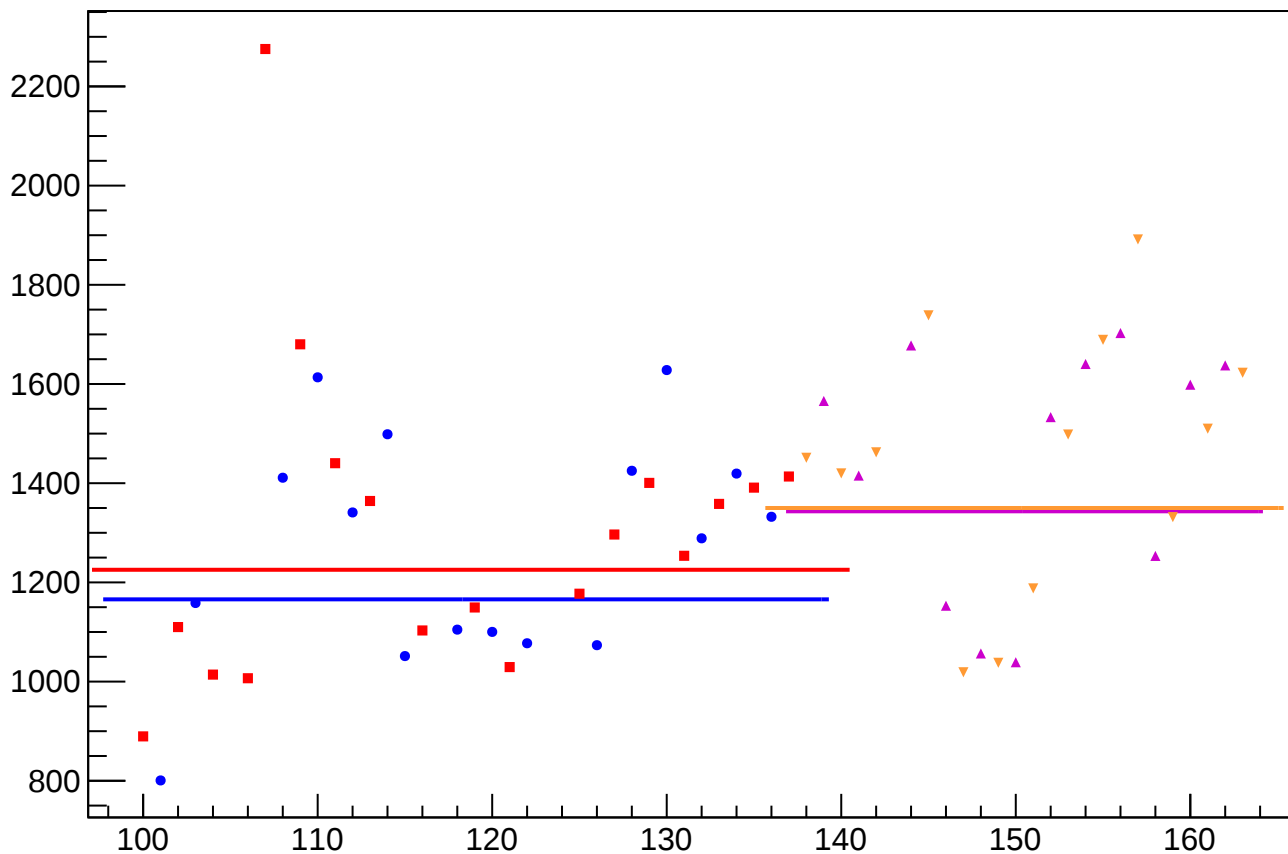
Right In: -455.675 $\pm$ 464.232 χ^2/NDF : 14.9/15

Left Out: -258.938 $\pm$ 439.085 χ^2/NDF : 19.5/12

Right Out: -452.644 $\pm$ 472.760 χ^2/NDF : 17.3/17

Left In: 389.084 $\pm$ 438.901 χ^2/NDF : 8.3/11

asym_us_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1350.012 $\pm$ 0.310 χ^2/NDF : 696358.8/12

Right Out: 1225.448 $\pm$ 0.334 χ^2/NDF : 440420.8/17

Left In: 1343.334 $\pm$ 0.310 χ^2/NDF : 659155.1/11

Left: 1346.672 $\pm$ 0.219 χ^2/NDF : 1355745.4/24

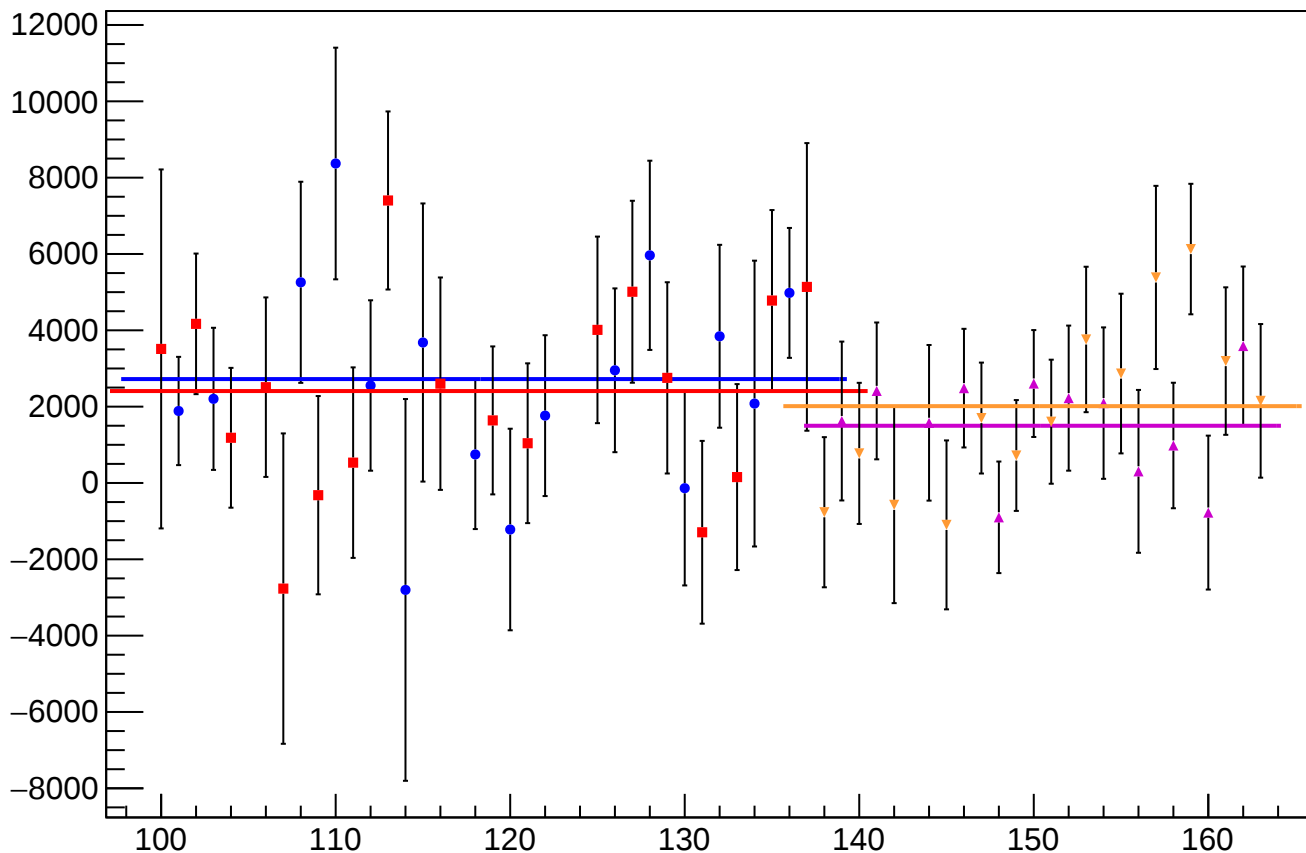
Right: 1195.087 $\pm$ 0.234 χ^2/NDF : 983424.3/33

In: 1259.548 $\pm$ 0.226 χ^2/NDF : 1340382.1/27

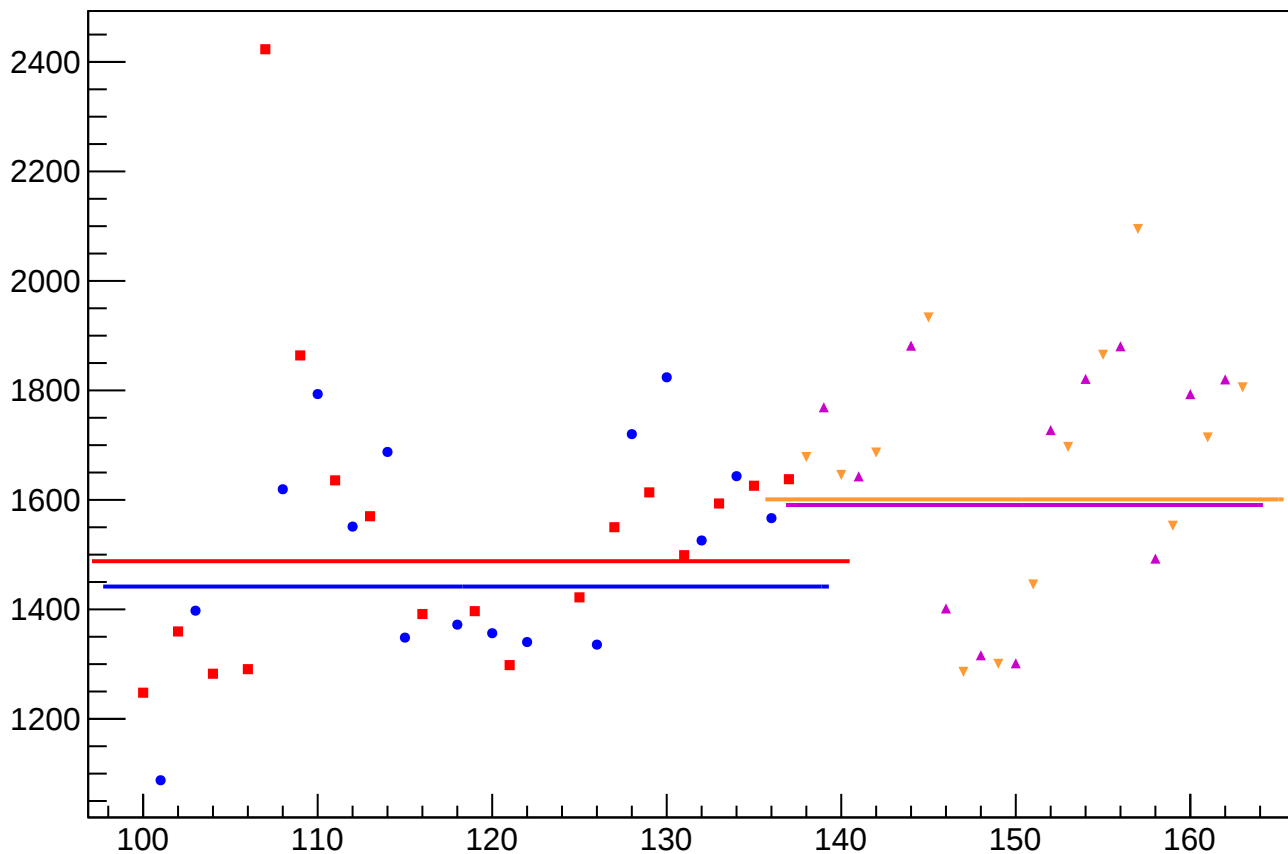
Out: 1292.324 $\pm$ 0.227 χ^2/NDF : 1211323.3/30

All: 1275.793 $\pm$ 0.160 χ^2/NDF : 2562174.8/58

asym_us_avg_mean vs Slug, Sign Corrected



asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1600.959 $\pm$ 0.364 χ^2/NDF : 400231.1/12

Right Out: 1488.026 $\pm$ 0.402 χ^2/NDF : 256140.4/17

Left In: 1590.671 $\pm$ 0.364 χ^2/NDF : 368315.2/11

Left: 1595.812 $\pm$ 0.258 χ^2/NDF : 768945.2/24

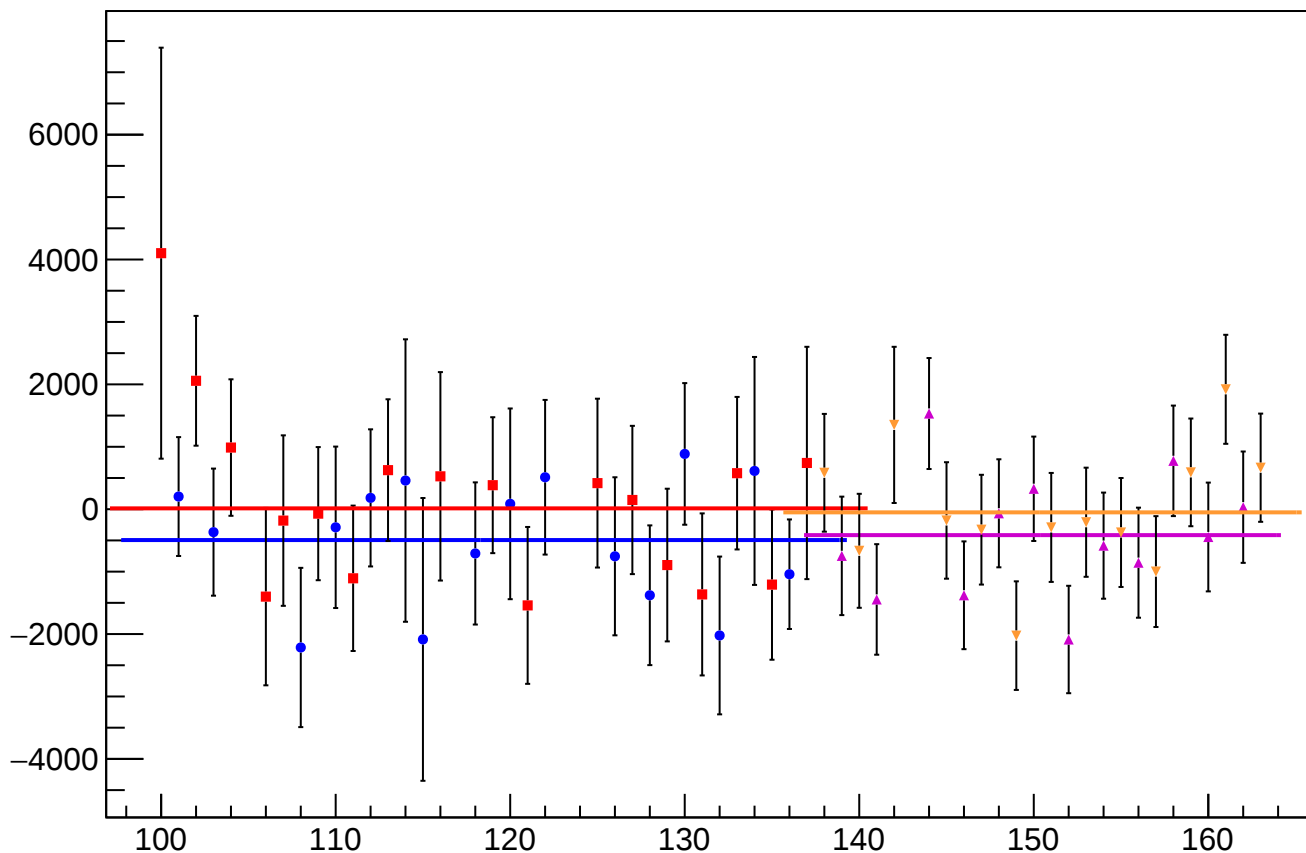
Right: 1464.799 $\pm$ 0.284 χ^2/NDF : 538687.7/33

In: 1523.365 $\pm$ 0.270 χ^2/NDF : 719831.8/27

Out: 1550.075 $\pm$ 0.270 χ^2/NDF : 699663.2/30

All: 1536.697 $\pm$ 0.191 χ^2/NDF : 1424394.8/58

reg_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -494.223 ± 304.644 $\chi^2/\text{NDF}: 8.7/15$

Left Out: -50.470 ± 250.674 $\chi^2/\text{NDF}: 15.2/12$

Right Out: 13.512 ± 297.736 $\chi^2/\text{NDF}: 13.4/17$

Left In: -415.165 ± 252.942 $\chi^2/\text{NDF}: 14.6/11$

Left: -231.174 ± 178.050 $\chi^2/\text{NDF}: 30.8/24$

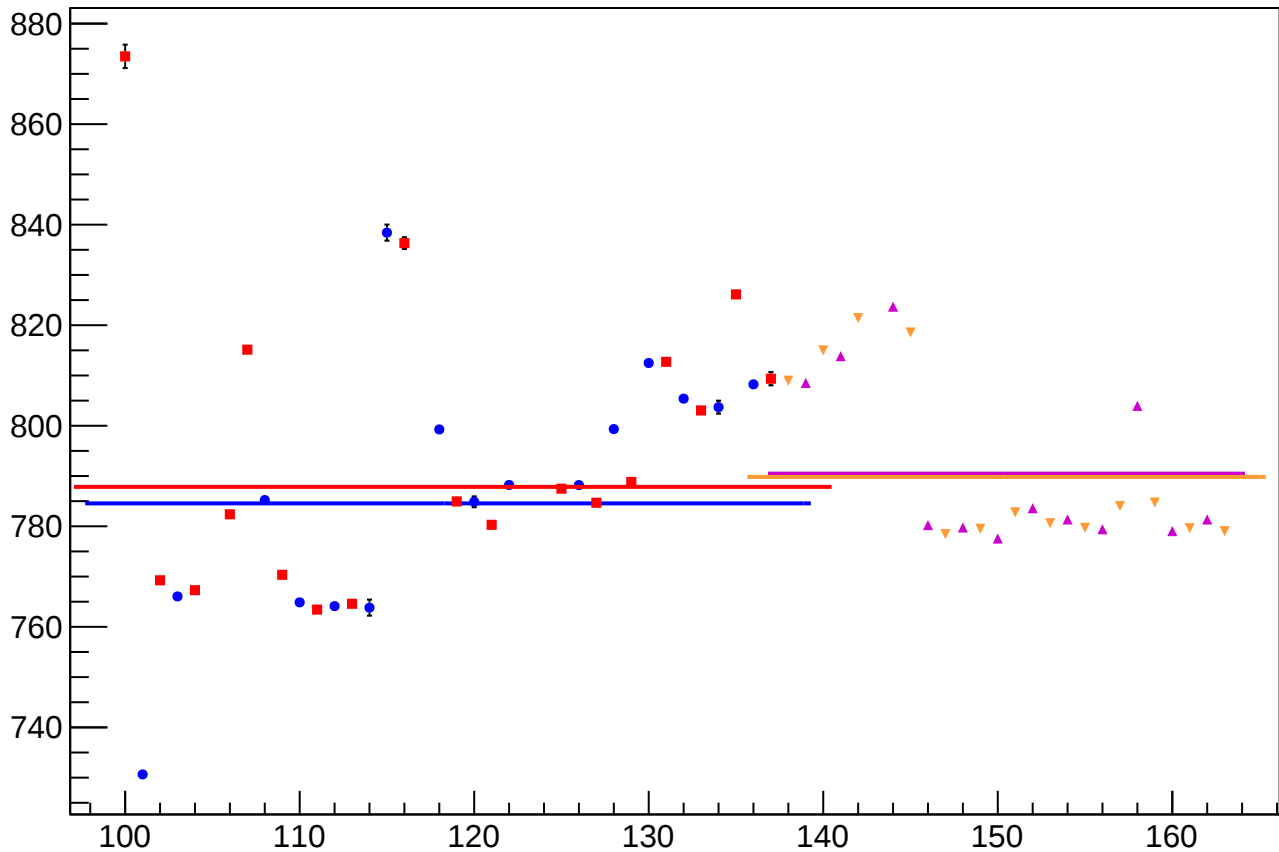
Right: -234.534 ± 212.932 $\chi^2/\text{NDF}: 23.4/33$

In: -447.426 ± 194.607 $\chi^2/\text{NDF}: 23.3/27$

Out: -23.930 ± 191.760 $\chi^2/\text{NDF}: 28.5/30$

All: -232.557 ± 136.590 $\chi^2/\text{NDF}: 54.2/58$

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 789.821 $\pm$ 0.177 χ^2 /NDF: 7490.3/12

Right Out: 787.844 $\pm$ 0.211 χ^2 /NDF: 10909.0/17

Left In: 790.472 $\pm$ 0.179 χ^2 /NDF: 7661.4/11

Left: 790.144 $\pm$ 0.126 χ^2 /NDF: 15158.3/24

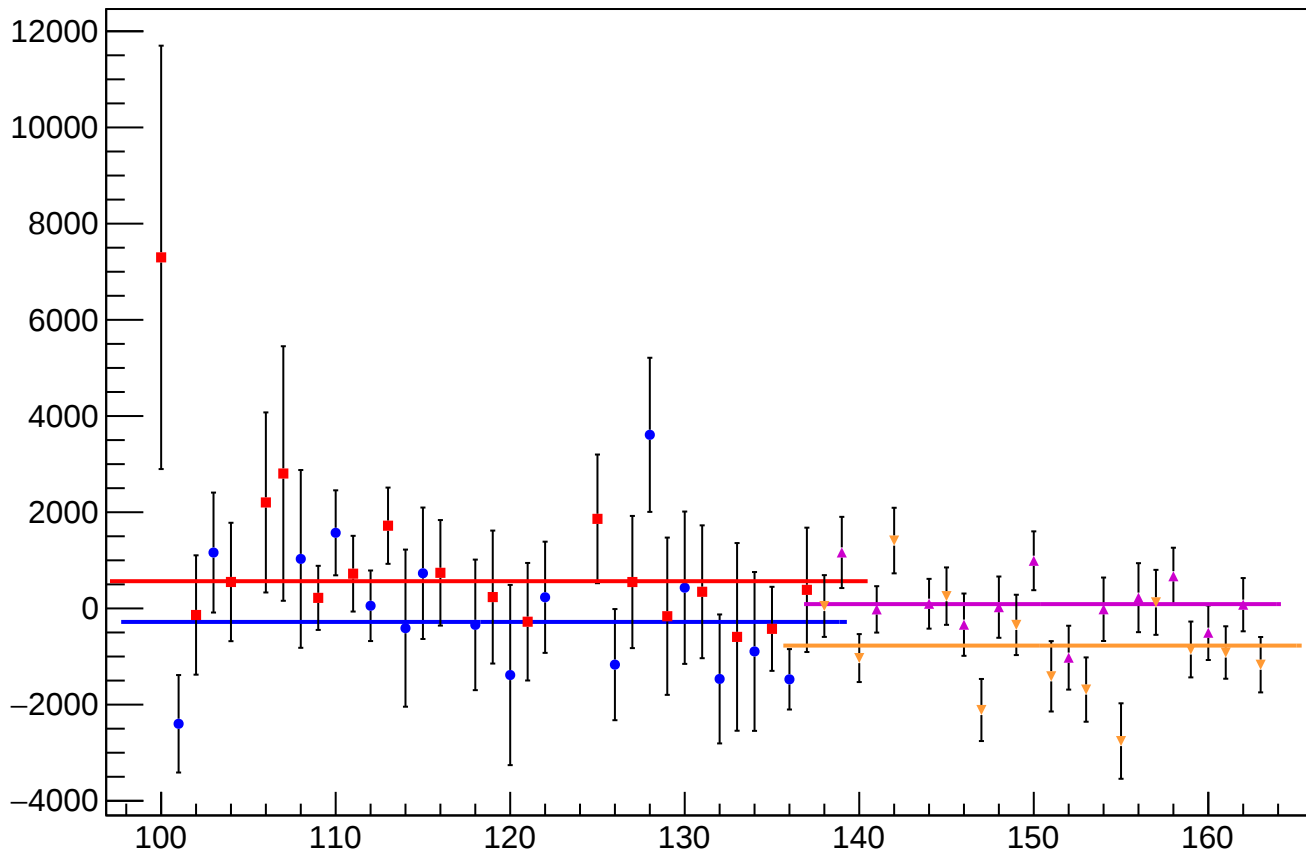
Right: 786.239 $\pm$ 0.151 χ^2 /NDF: 24705.7/33

In: 788.059 $\pm$ 0.138 χ^2 /NDF: 21785.3/27

Out: 789.001 $\pm$ 0.136 χ^2 /NDF: 18450.9/30

All: 788.537 $\pm$ 0.097 χ^2 /NDF: 40259.9/58

asym_us_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -772.588 $\pm$ 172.466 χ^2 /NDF:31.3/12

Right Out: 566.224 $\pm$ 272.883 χ^2 /NDF: 9.9/17

Left In: 89.745 $\pm$ 173.795 χ^2 /NDF:9.7/11

Left: -344.730 $\pm$ 122.419 χ^2 /NDF: 53.4/24

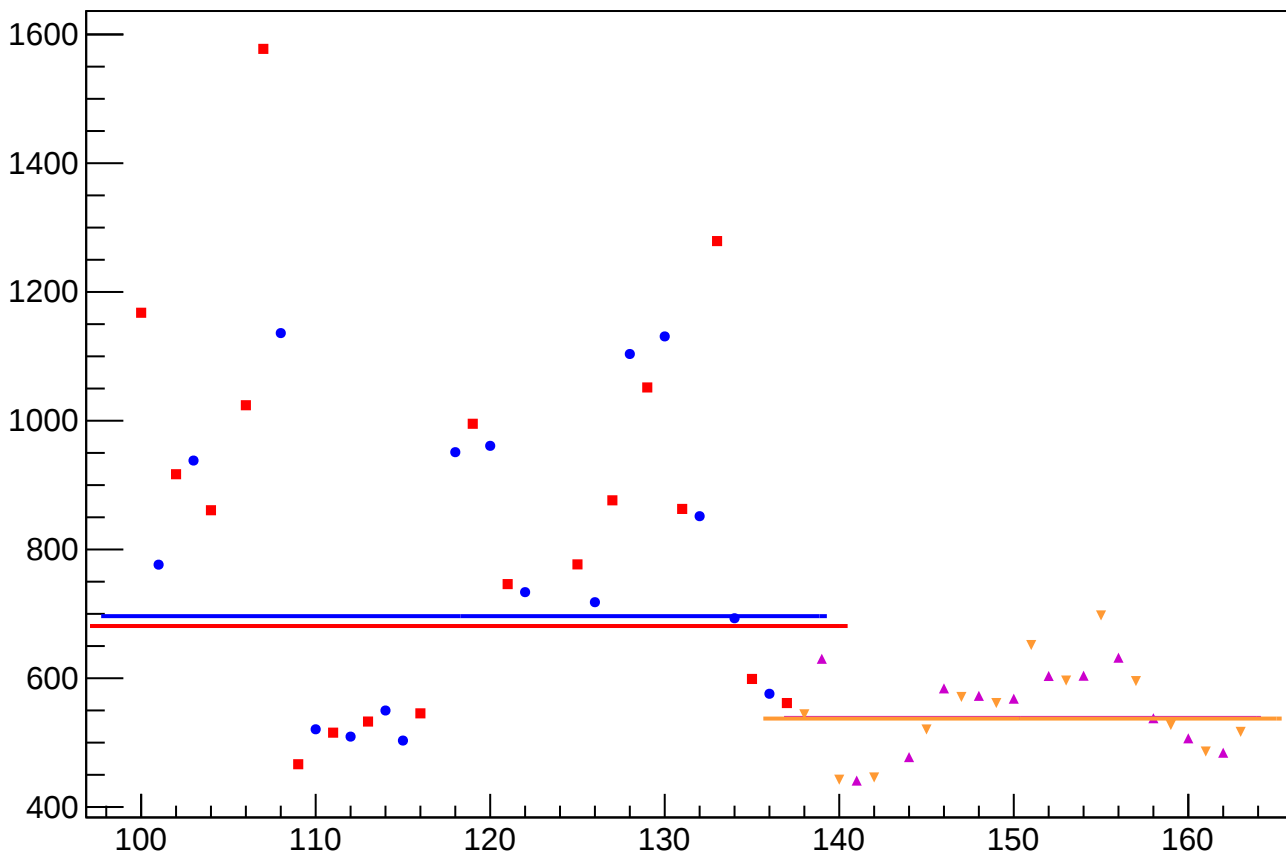
Right: 157.456 $\pm$ 196.270 χ^2 /NDF: 37.7/33

In: -11.945 $\pm$ 148.026 χ^2 /NDF:34.1/27

Out: -390.451 $\pm$ 145.790 χ^2 /NDF:58.4/30

All: -204.079 $\pm$ 103.870 χ^2 /NDF: 95.8/58

asym_us_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 537.366+/-0.122 χ^2/NDF : 302056.6/12

Right Out: 681.127+/-0.193 χ^2/NDF : 1352555.6/17

Left In: 538.384+/-0.123 χ^2/NDF : 258913.9/11

Left: 537.871+/-0.087 χ^2/NDF : 561005.0/24

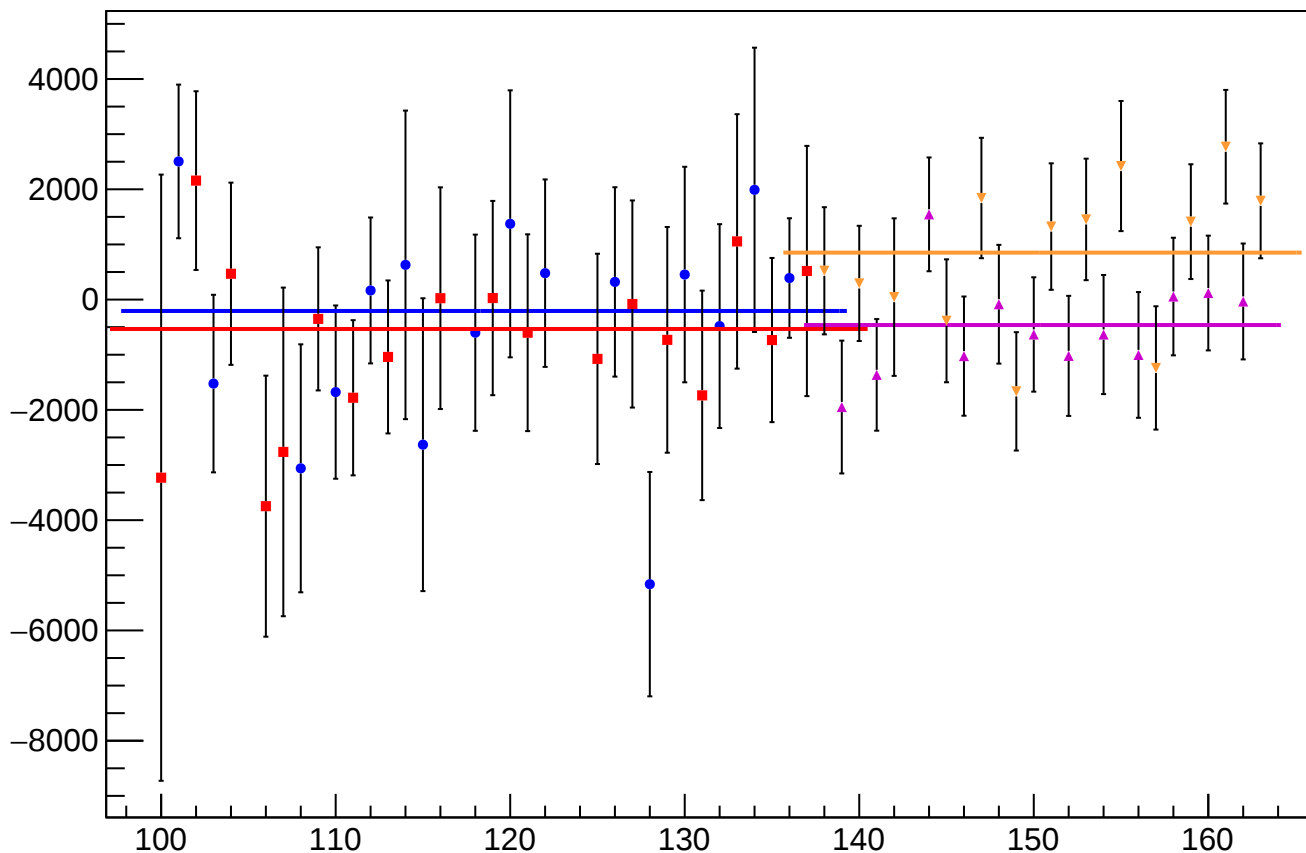
Right: 688.529+/-0.139 χ^2/NDF : 2315094.2/33

In: 581.786+/-0.105 χ^2/NDF : 1672693.3/27

Out: 578.400+/-0.103 χ^2/NDF : 2051256.9/30

All: 580.067+/-0.073 χ^2/NDF : 3724481.5/58

asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 851.603 ± 307.744 χ^2/NDF : 18.5/12

Right Out: -532.837 ± 427.128 χ^2/NDF : 8.1/17

Left In: -461.360 ± 309.613 χ^2/NDF : 7.8/11

Left: 199.097 ± 218.266 χ^2/NDF : 35.3/24

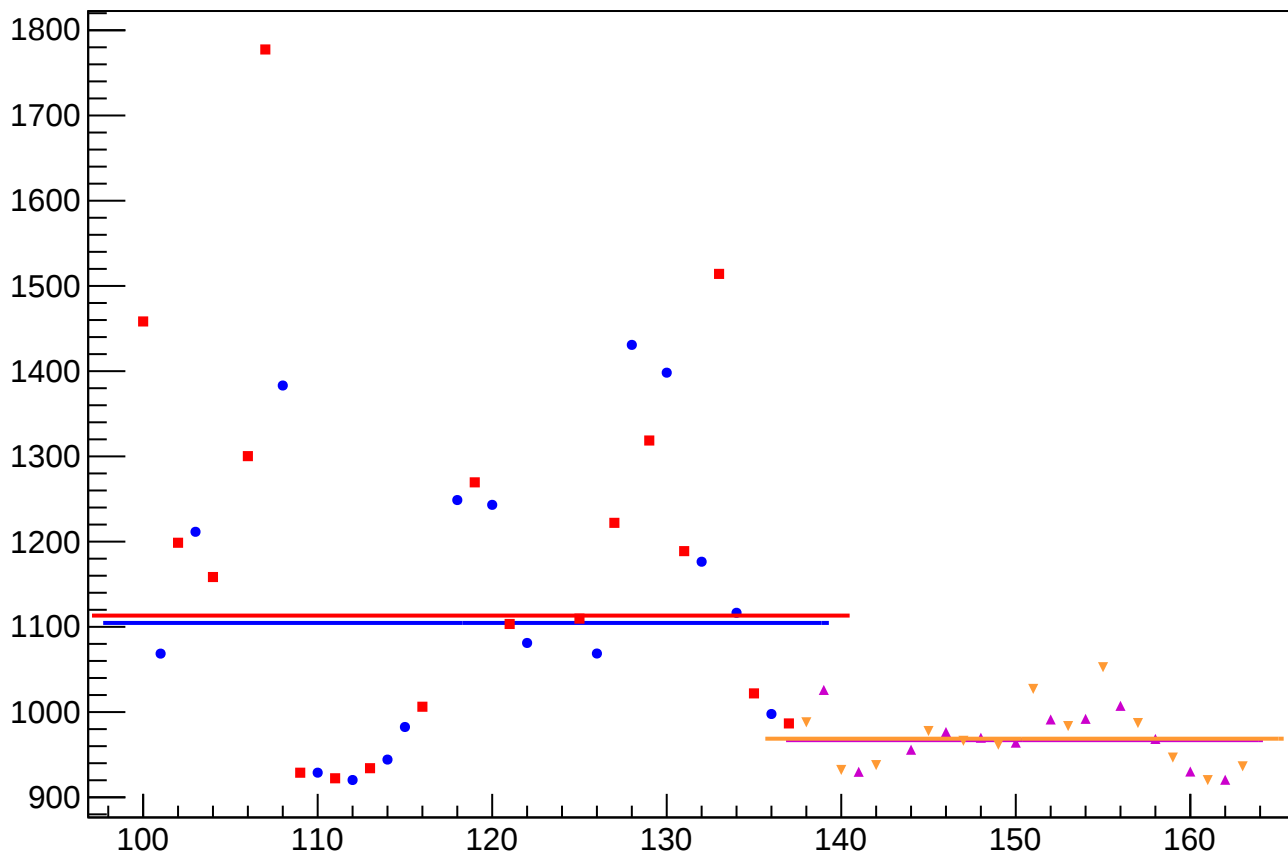
Right: -372.131 ± 304.348 χ^2/NDF : 24.2/33

In: -375.302 ± 252.004 χ^2/NDF : 23.8/27

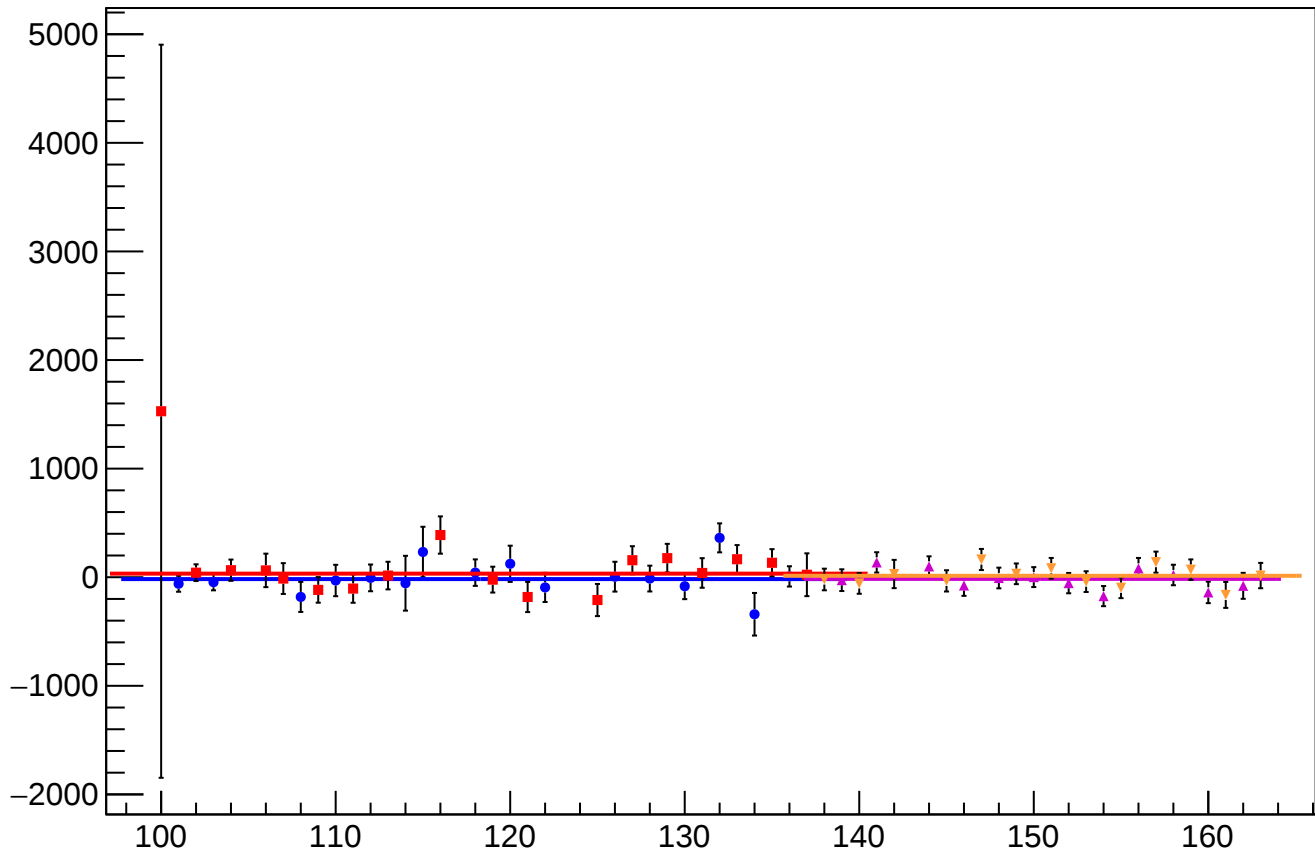
Out: 378.510 ± 249.686 χ^2/NDF : 33.6/30

All: 5.087 ± 177.369 χ^2/NDF : 61.9/58

asym_us_dd_rms vs Slug, Sign Corrected



reg_asym_ds_avg_mean vs Slug, Sign Corrected



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

Left Out: 13.204 ± 27.915 χ^2/NDF : 9.7/12

Right Out: 32.892 ± 30.446 χ^2/NDF : 16.5/17

Left In: -15.313 ± 27.831 χ^2/NDF : 10.7/11

Left: -1.097 ± 19.709 χ^2/NDF : 21.0/24

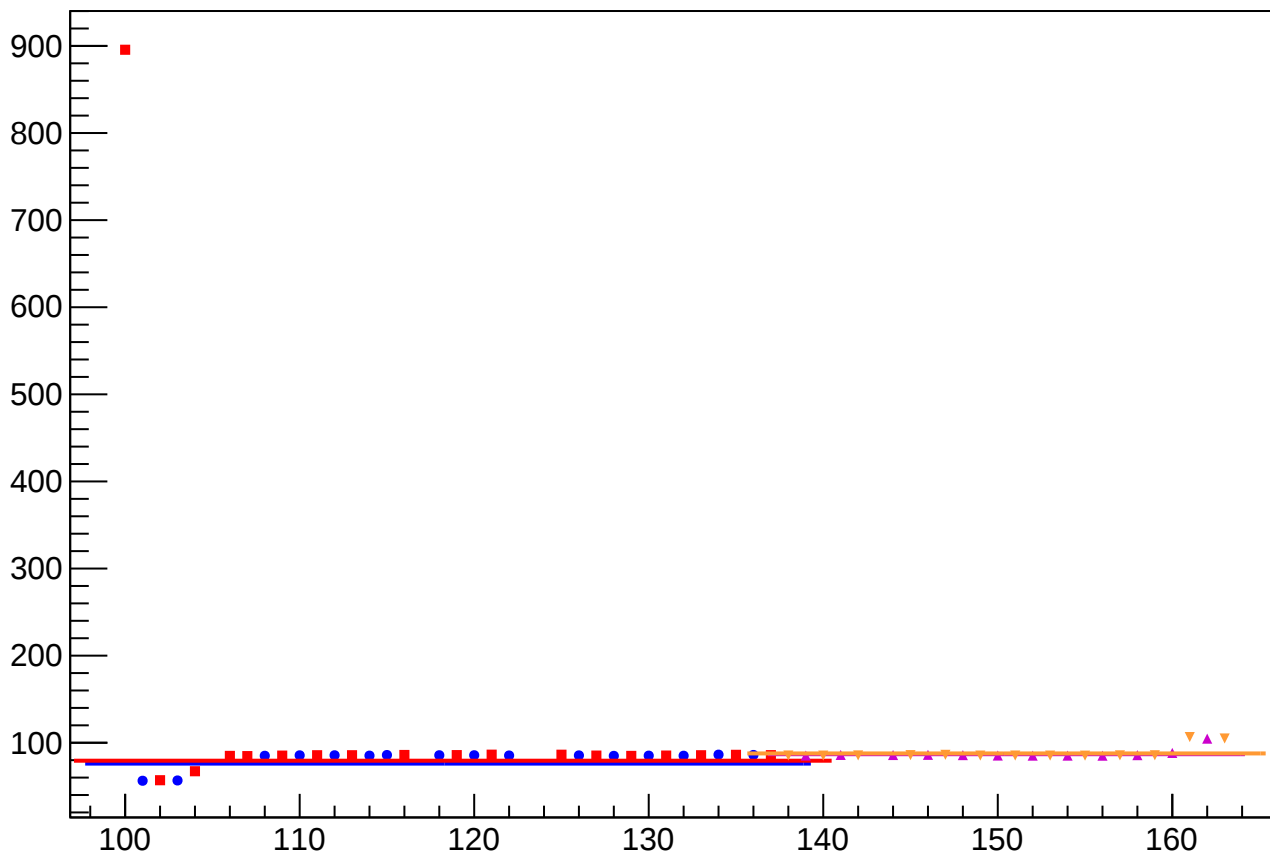
Right: 7.447 ± 21.365 χ^2/NDF : 33.5/33

In: -16.203 ± 20.399 χ^2/NDF : 26.3/27

Out: 22.195 ± 20.576 χ^2/NDF : 26.5/30

All: 2.831 ± 14.486 χ^2/NDF : 54.6/58

reg_asym_ds_avg_rms vs Slug, Sign Corrected



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

Left Out: 87.733+/-0.020 χ^2 /NDF:104700.0/12

Right Out: 79.390+/-0.022 χ^2 /NDF: 378526.1/17

Left In: 86.847+/-0.020 χ^2 /NDF:48927.3/11

Left: 87.288+/-0.014 χ^2 /NDF: 154637.9/24

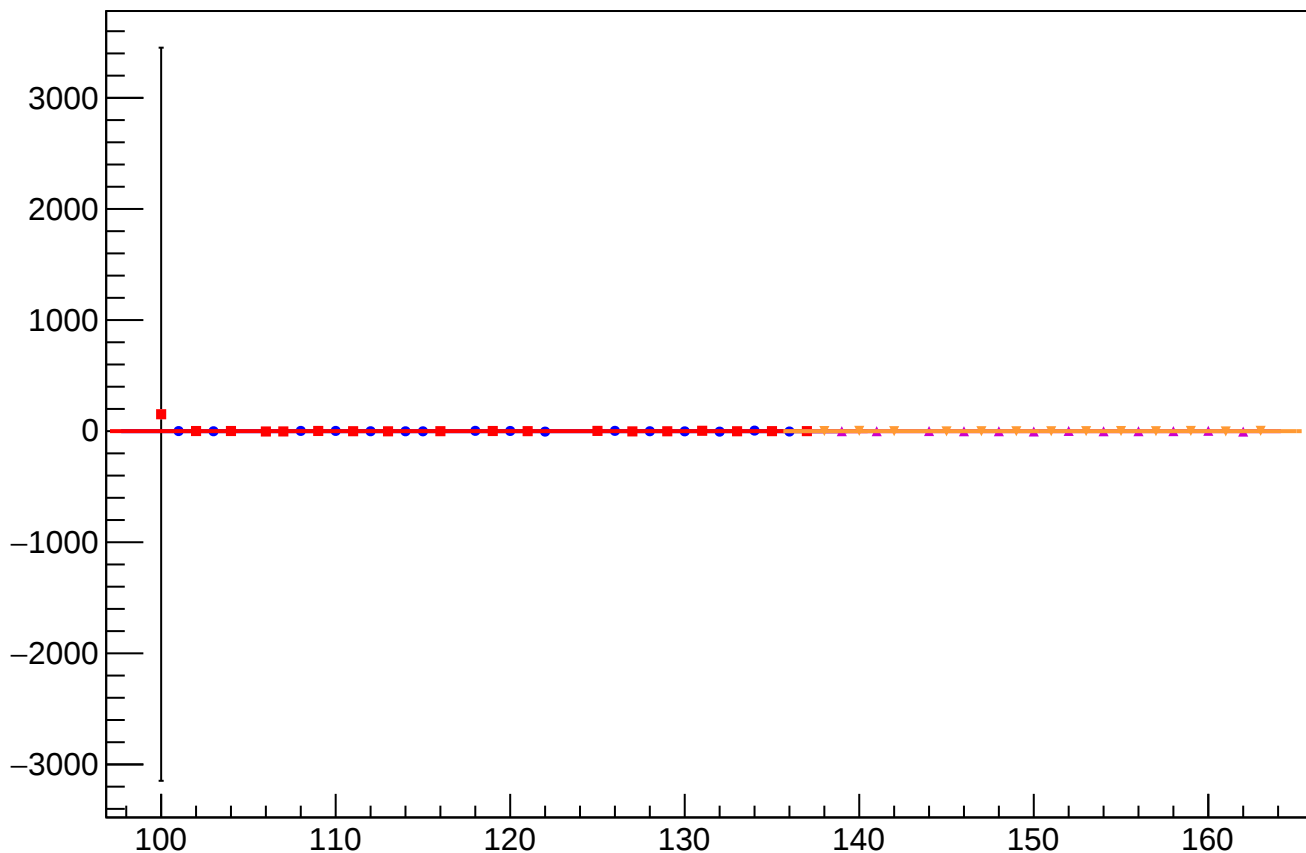
Right: 77.709+/-0.015 χ^2 /NDF: 799700.2/33

In: 81.864+/-0.014 χ^2 /NDF:596632.4/27

Out: 83.923+/-0.015 χ^2 /NDF:564816.3/30

All: 82.884+/-0.010 χ^2 /NDF: 1171542.8/58

asym_ds_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.127 ± 0.469 χ^2/NDF : 10.0/12

Right Out: 0.078 ± 0.521 χ^2/NDF : 9.0/17

Left In: -0.166 ± 0.488 χ^2/NDF : 13.3/11

Left: -0.146 ± 0.338 χ^2/NDF : 23.3/24

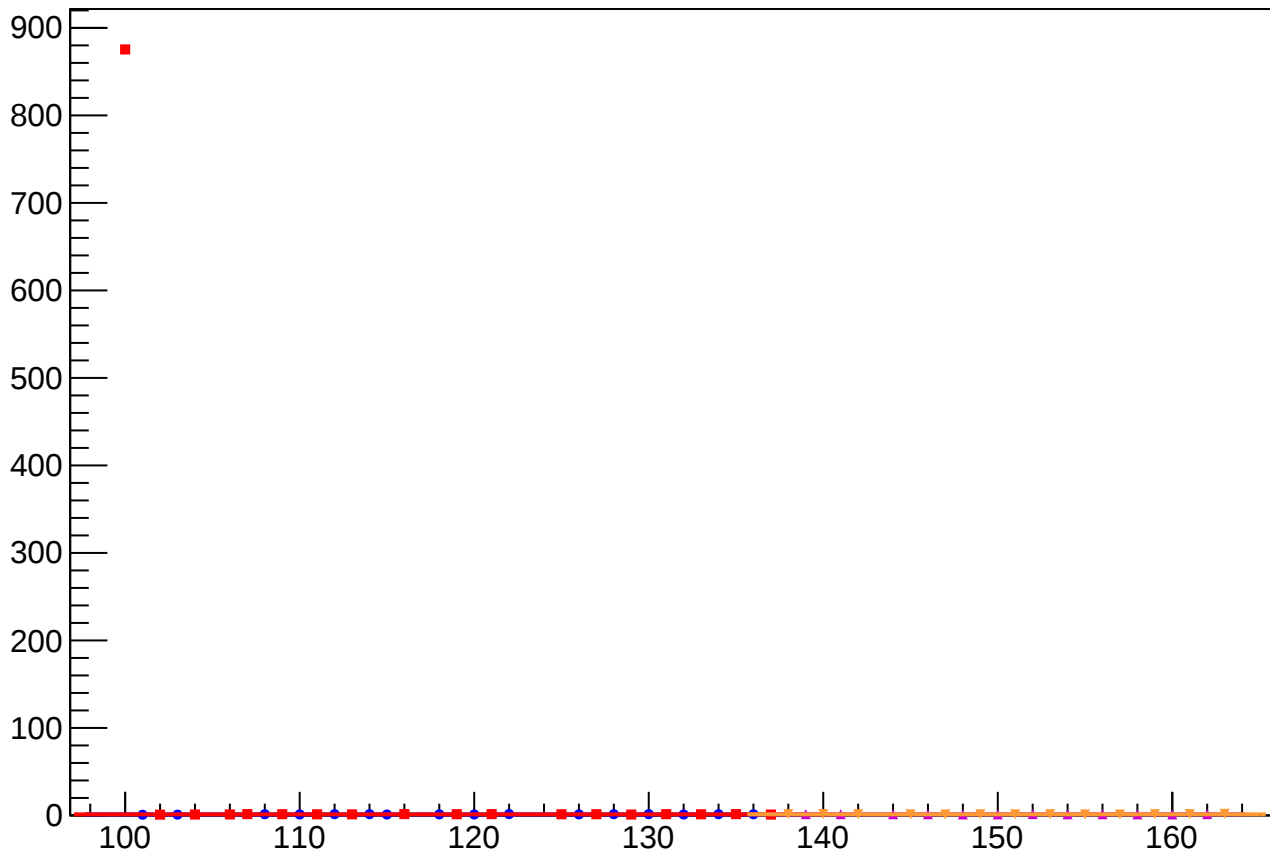
Right: -0.108 ± 0.361 χ^2/NDF : 30.4/33

In: -0.222 ± 0.350 χ^2/NDF : 34.4/27

Out: -0.036 ± 0.348 χ^2/NDF : 19.1/30

All: -0.128 ± 0.247 χ^2/NDF : 53.7/58

asym_ds_avg_correction_rms vs Slug, Sign Corrected



Right In: 1.152+/-0.000 χ^2/NDF : 514348.9/15

Left Out: 1.319+/-0.000 χ^2/NDF : 311400.7/12

Right Out: 1.247+/-0.000 χ^2/NDF : 517130.7/17

Left In: 1.400+/-0.000 χ^2/NDF : 108948.5/11

Left: 1.358+/-0.000 χ^2/NDF : 448585.4/24

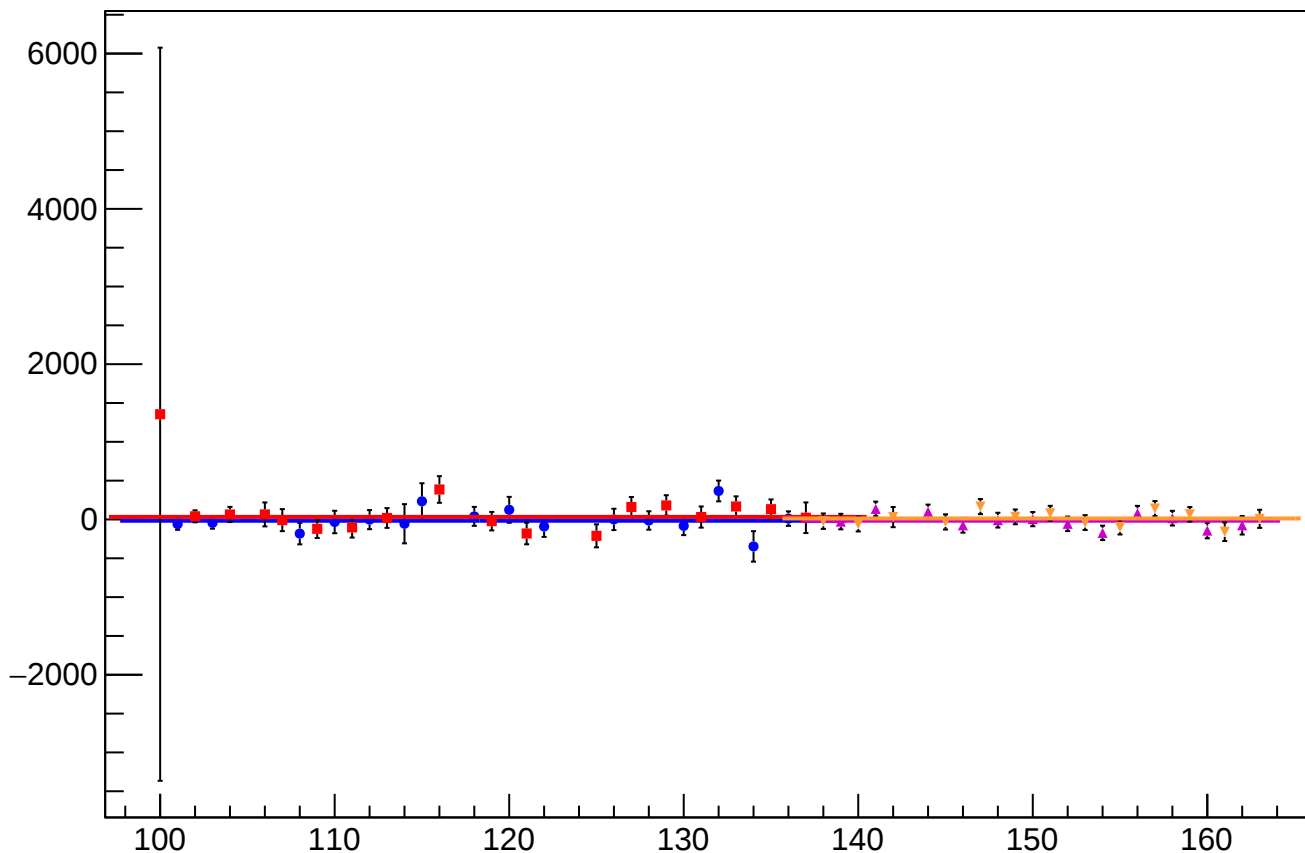
Right: 1.198+/-0.000 χ^2/NDF : 1065824.7/33

In: 1.279+/-0.000 χ^2/NDF : 873231.0/27

Out: 1.287+/-0.000 χ^2/NDF : 849749.5/30

All: 1.283+/-0.000 χ^2/NDF : 1723456.1/58

asym_ds_avg_mean vs Slug, Sign Corrected



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

Left Out: 13.085+/-27.922 χ^2/NDF : 9.7/12

Right Out: 33.114+/-30.455 χ^2/NDF : 16.5/17

Left In: -15.590+/-27.838 χ^2/NDF : 10.6/11

Left: -1.296+/-19.714 χ^2/NDF : 20.8/24

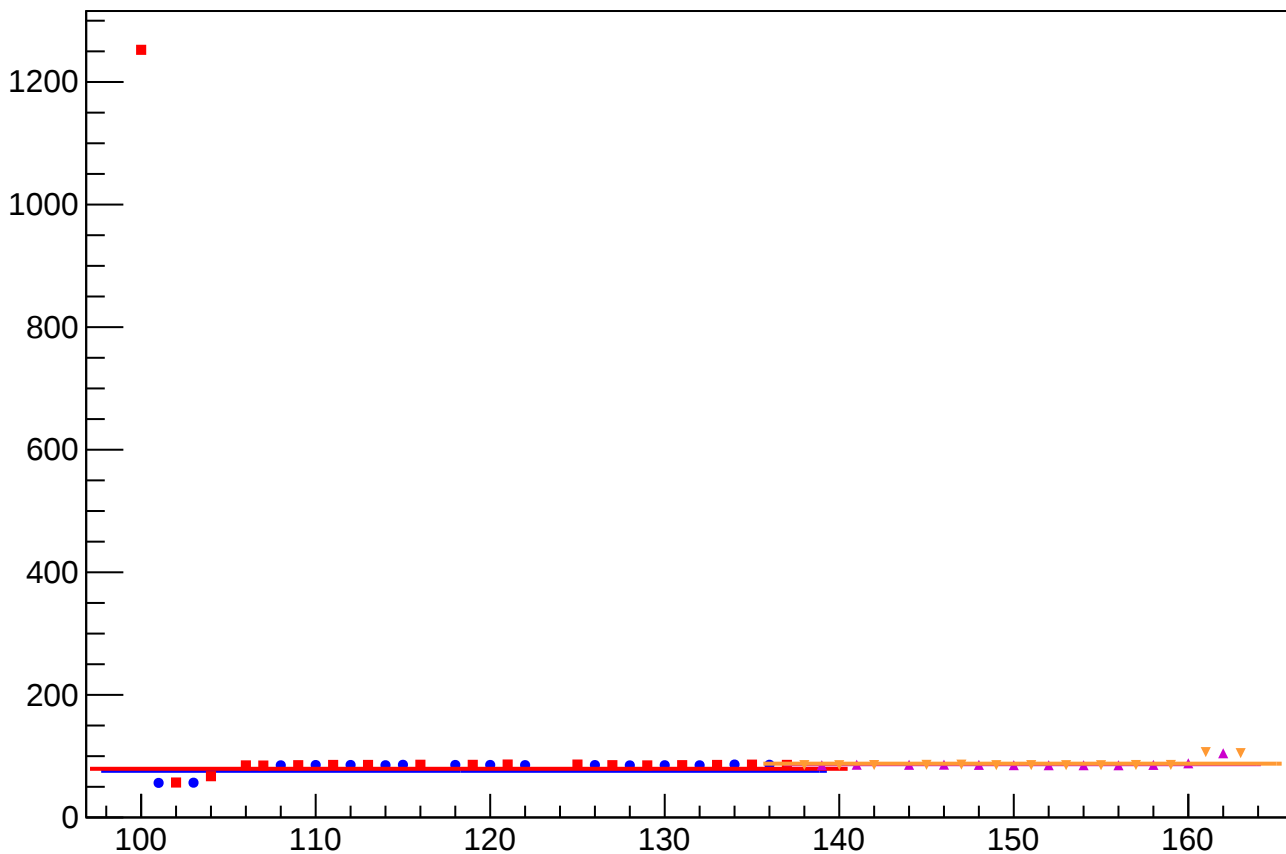
Right: 8.026+/-21.371 χ^2/NDF : 33.7/33

In: -15.924+/-20.405 χ^2/NDF : 26.5/27

Out: 22.233+/-20.581 χ^2/NDF : 26.5/30

All: 2.990+/-14.490 χ^2/NDF : 54.7/58

asym_ds_avg_rms vs Slug, Sign Corrected



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

Left Out: 87.756 $\pm$ 0.020 χ^2 /NDF: 104778.4/12

Right Out: 79.393 $\pm$ 0.022 χ^2 /NDF: 385048.8/17

Left In: 86.870 $\pm$ 0.020 χ^2 /NDF: 48929.5/11

Left: 87.312 $\pm$ 0.014 χ^2 /NDF: 154717.5/24

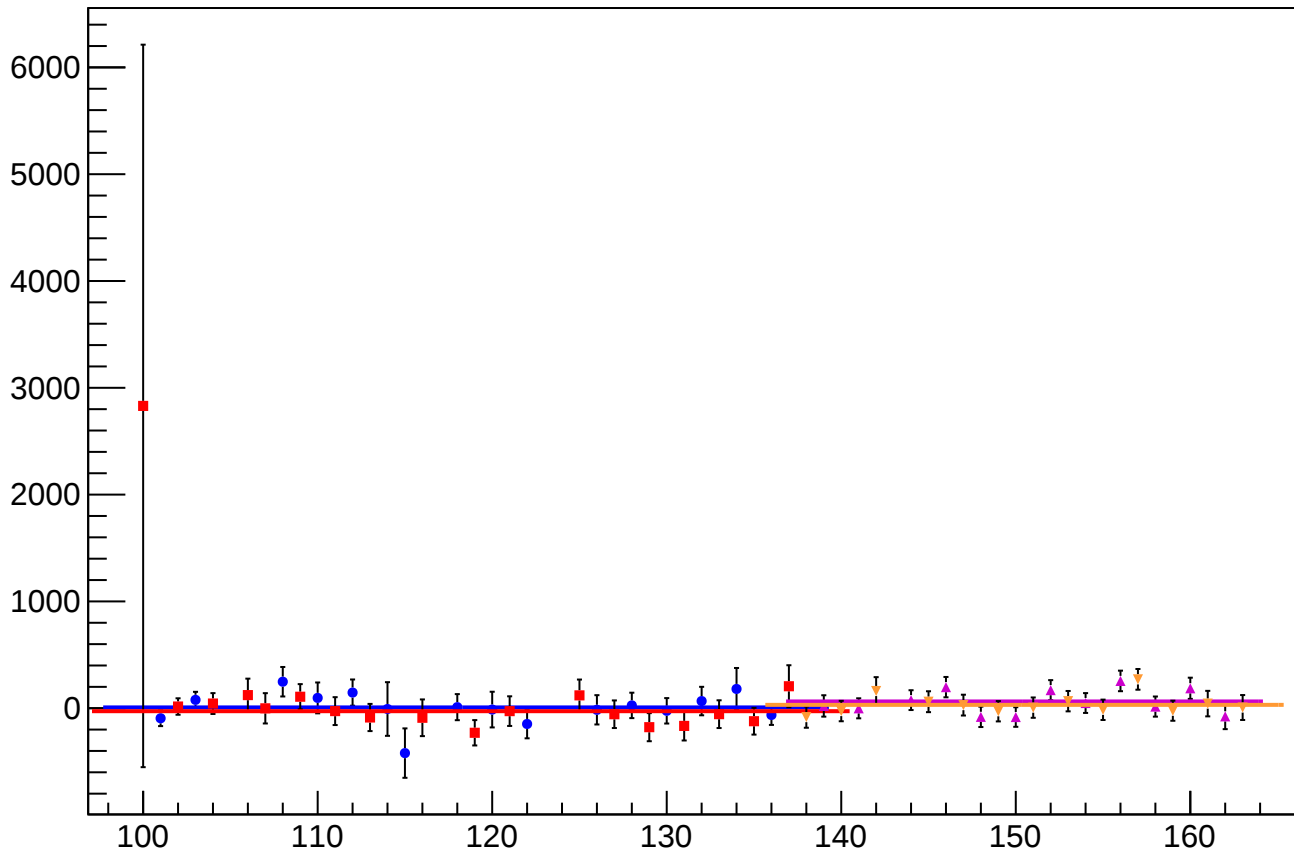
Right: 77.721 $\pm$ 0.015 χ^2 /NDF: 806127.4/33

In: 81.886 $\pm$ 0.014 χ^2 /NDF: 596690.9/27

Out: 83.937 $\pm$ 0.015 χ^2 /NDF: 571767.3/30

All: 82.903 $\pm$ 0.010 χ^2 /NDF: 1178473.7/58

reg_asym_ds_dd_mean vs Slug, Sign Corrected



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

Left Out: 31.450 ± 27.914 χ^2/NDF : 10.1/12

Right Out: -27.920 ± 30.428 χ^2/NDF : 12.5/17

Left In: 63.365 ± 27.828 χ^2/NDF : 15.9/11

Left: 47.457 ± 19.708 χ^2/NDF : 26.7/24

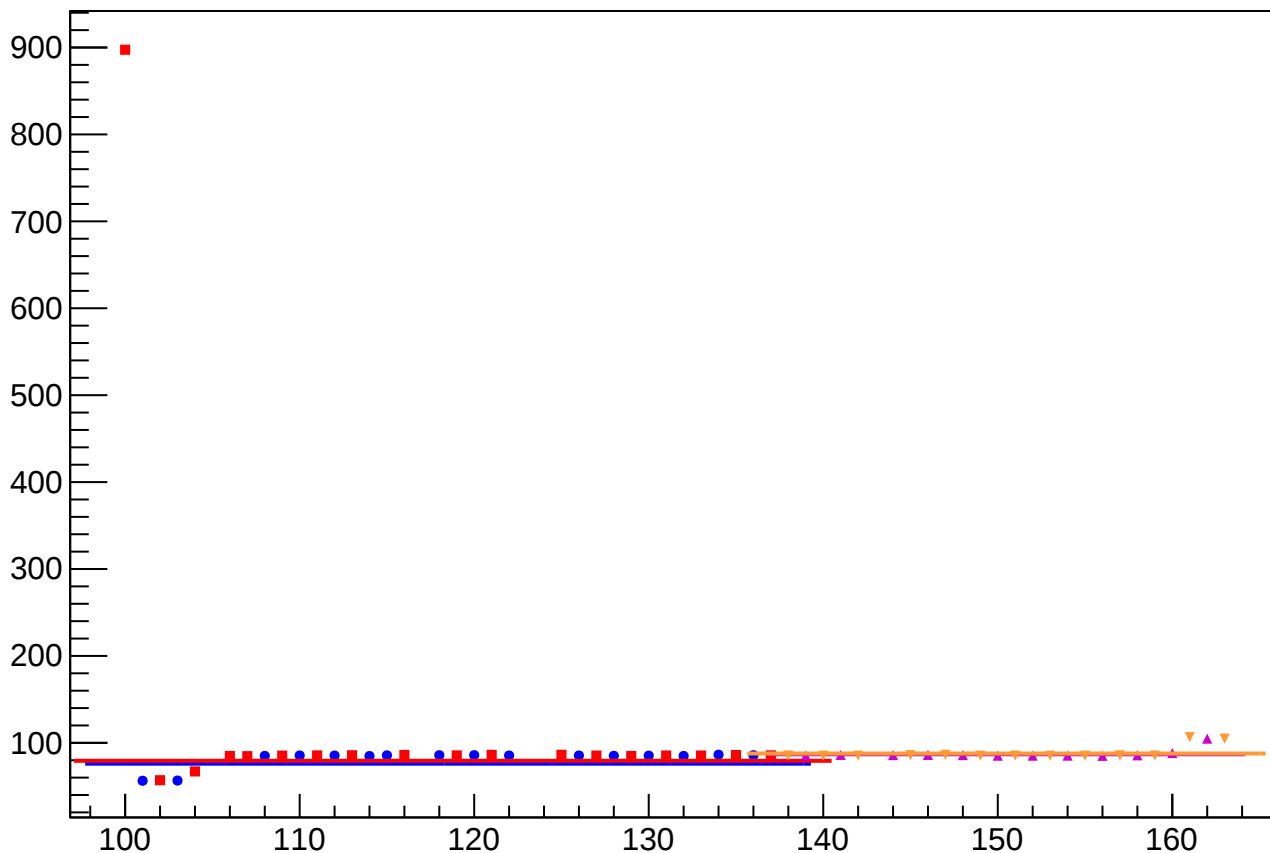
Right: -9.961 ± 21.352 χ^2/NDF : 27.1/33

In: 37.481 ± 20.392 χ^2/NDF : 31.7/27

Out: 4.318 ± 20.570 χ^2/NDF : 24.6/30

All: 21.043 ± 14.482 χ^2/NDF : 57.7/58

reg_asym_ds_dd_rms vs Slug, Sign Corrected



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

Left Out: 87.731 $\pm$ 0.020 χ^2 /NDF: 104732.3/12

Right Out: 79.342 $\pm$ 0.022 χ^2 /NDF: 378371.9/17

Left In: 86.835 $\pm$ 0.020 χ^2 /NDF: 49459.8/11

Left: 87.282 $\pm$ 0.014 χ^2 /NDF: 155225.1/24

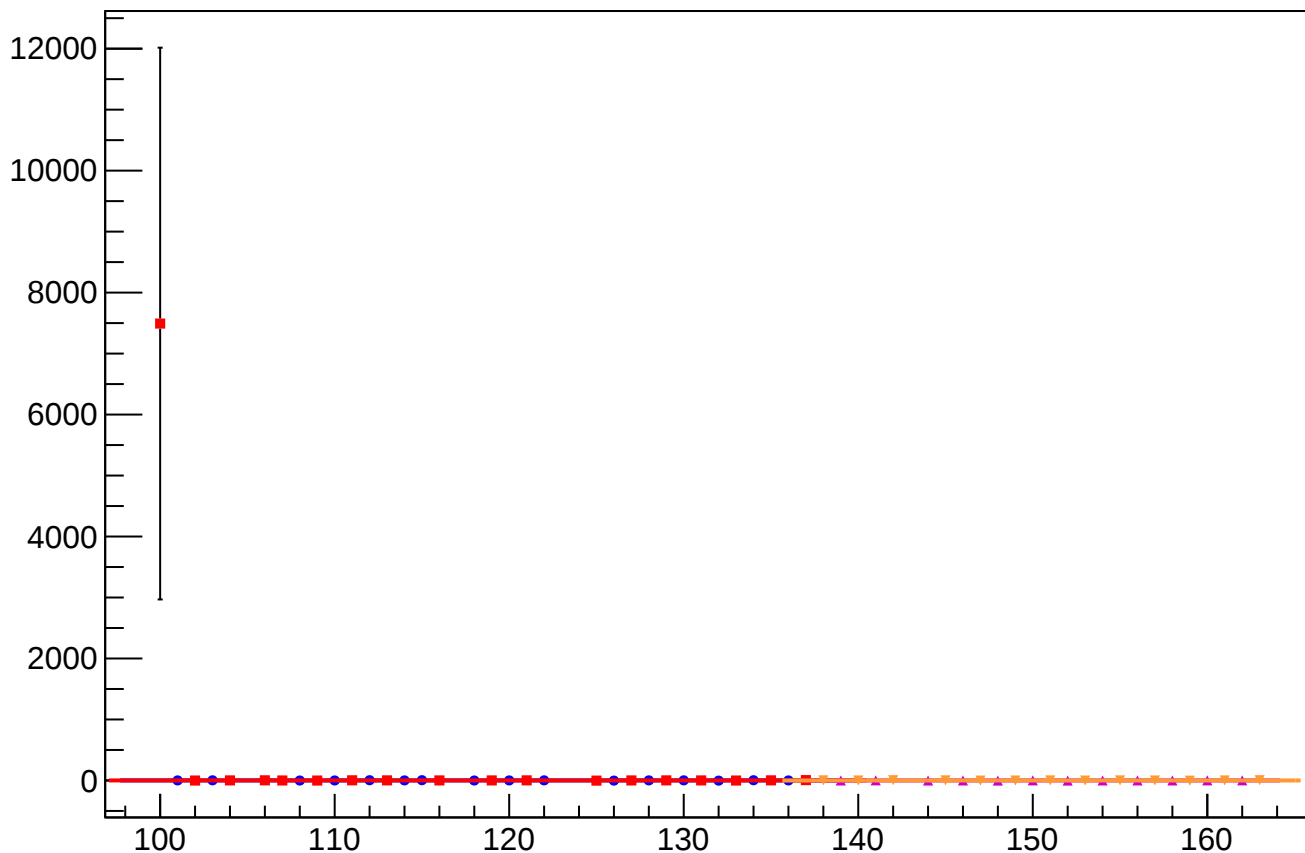
Right: 77.662 $\pm$ 0.015 χ^2 /NDF: 799302.8/33

In: 81.833 $\pm$ 0.014 χ^2 /NDF: 597947.7/27

Out: 83.897 $\pm$ 0.015 χ^2 /NDF: 565661.4/30

All: 82.856 $\pm$ 0.010 χ^2 /NDF: 1173764.5/58

asym_ds_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.911 ± 0.532 $\chi^2/\text{NDF}: 12.0/15$

Left Out: -0.452 ± 0.484 $\chi^2/\text{NDF}: 15.3/12$

Right Out: 0.314 ± 0.548 $\chi^2/\text{NDF}: 12.6/17$

Left In: 0.366 ± 0.485 $\chi^2/\text{NDF}: 6.4/11$

Left: -0.044 ± 0.342 $\chi^2/\text{NDF}: 23.1/24$

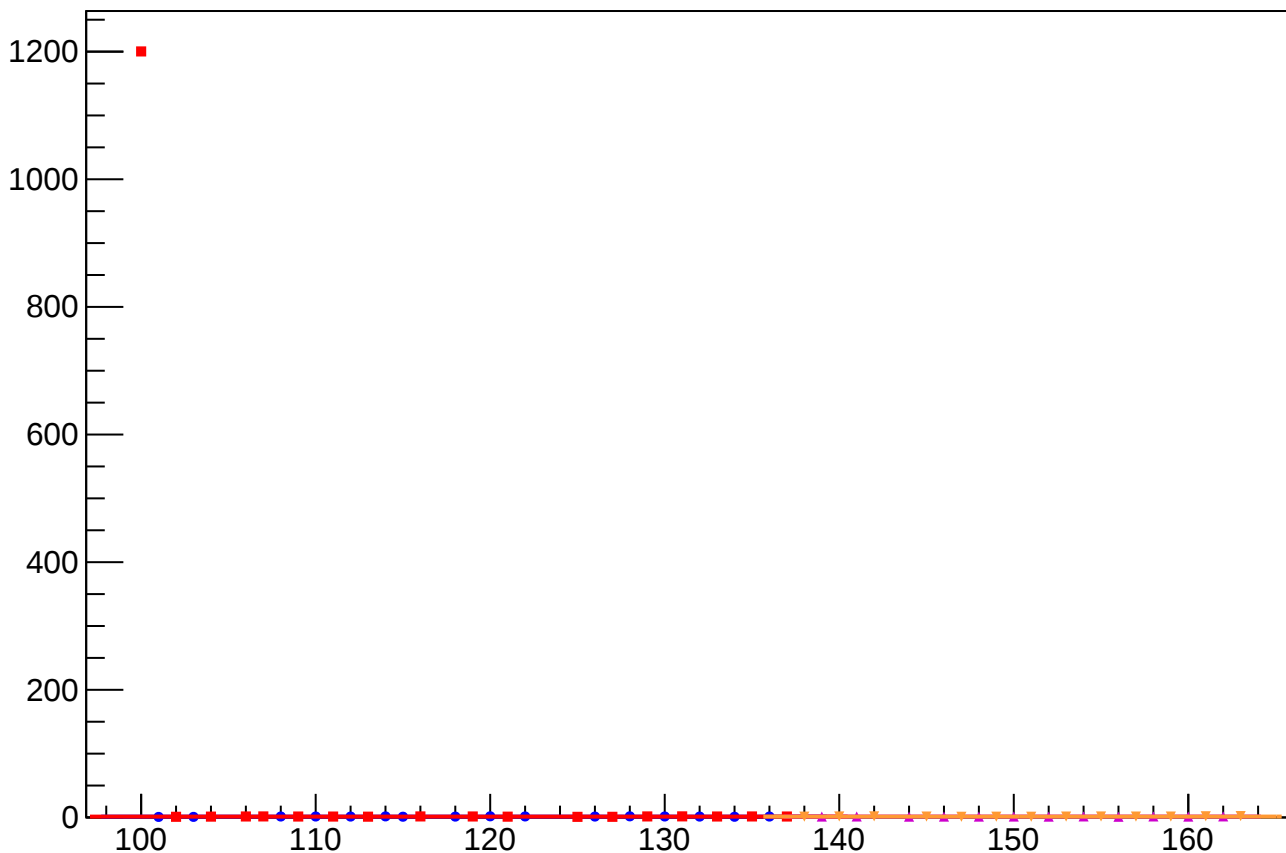
Right: 0.621 ± 0.382 $\chi^2/\text{NDF}: 25.2/33$

In: 0.613 ± 0.358 $\chi^2/\text{NDF}: 18.9/27$

Out: -0.117 ± 0.363 $\chi^2/\text{NDF}: 29.0/30$

All: 0.252 ± 0.255 $\chi^2/\text{NDF}: 50.0/58$

asym_ds_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.379+/-0.000 χ^2/NDF : 515297.4/12

Right Out: 1.317+/-0.000 χ^2/NDF : 521587.9/17

Left In: 1.378+/-0.000 χ^2/NDF : 220217.9/11

Left: 1.379+/-0.000 χ^2/NDF : 735517.2/24

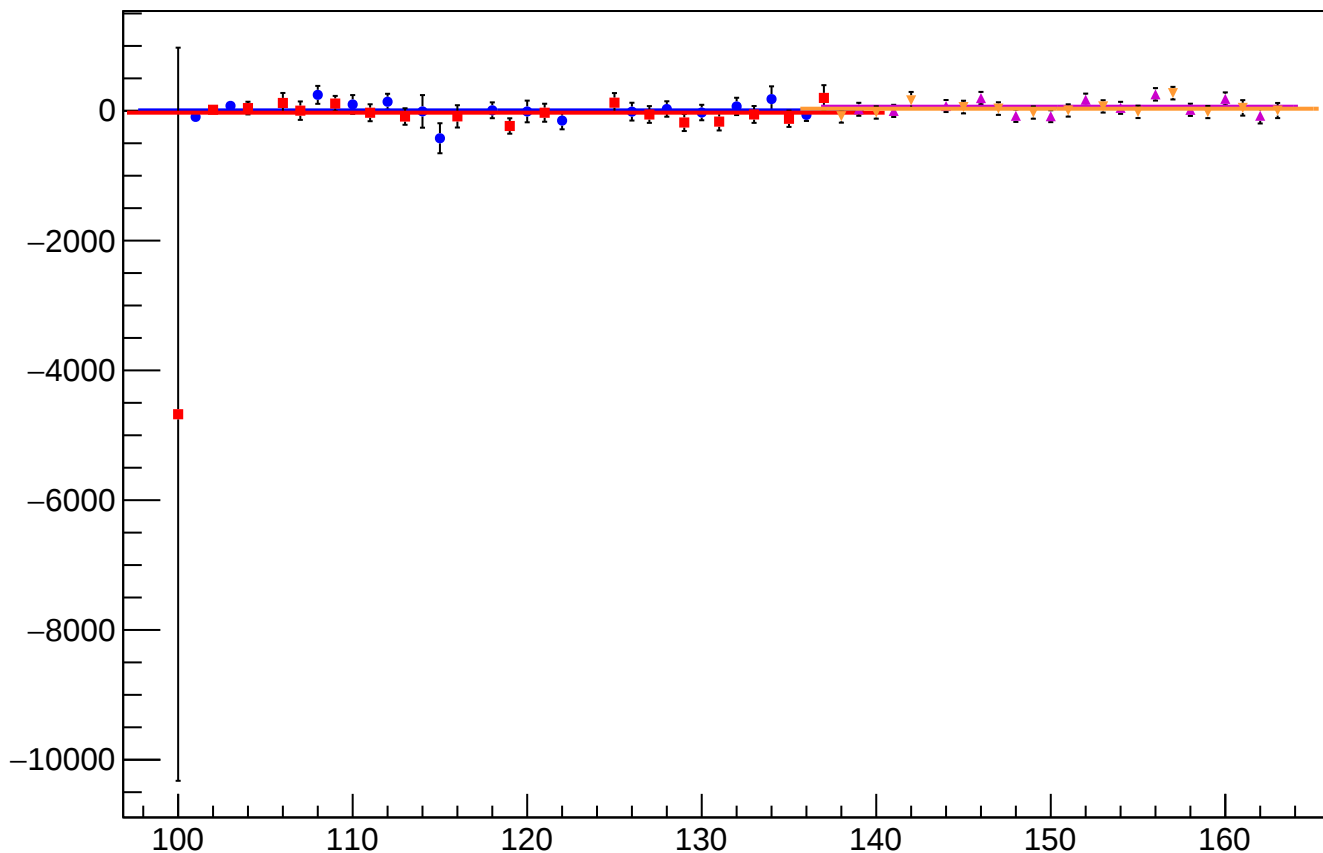
Right: 1.276+/-0.000 χ^2/NDF : 1201203.5/33

In: 1.315+/-0.000 χ^2/NDF : 954268.9/27

Out: 1.352+/-0.000 χ^2/NDF : 1051006.6/30

All: 1.333+/-0.000 χ^2/NDF : 2016084.5/58

asym_ds_dd_mean vs Slug, Sign Corrected



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

Left Out: 32.519 ± 27.922 χ^2/NDF : 10.1/12

Right Out: -28.551 ± 30.437 χ^2/NDF : 12.7/17

Left In: 63.418 ± 27.836 χ^2/NDF : 15.7/11

Left: 48.016 ± 19.713 χ^2/NDF : 26.4/24

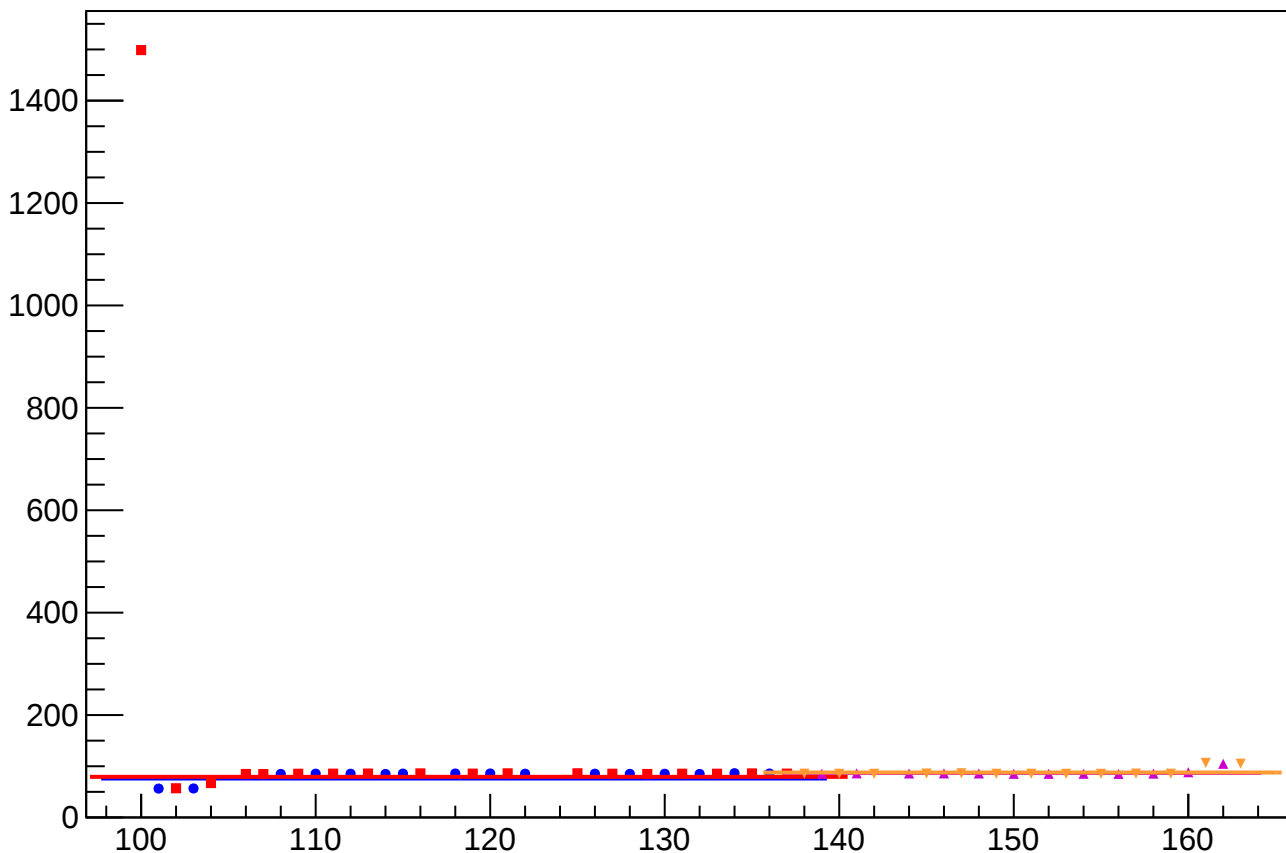
Right: -10.616 ± 21.358 χ^2/NDF : 27.2/33

In: 37.195 ± 20.398 χ^2/NDF : 31.4/27

Out: 4.611 ± 20.576 χ^2/NDF : 25.0/30

All: 21.044 ± 14.486 χ^2/NDF : 57.7/58

asym_ds_dd_rms vs Slug, Sign Corrected



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

Left Out: 87.755 $\pm$ 0.020 χ^2 /NDF:104816.7/12

Right Out: 79.338 $\pm$ 0.022 χ^2 /NDF: 387631.3/17

Left In: 86.859 $\pm$ 0.020 χ^2 /NDF:49486.4/11

Left: 87.306 $\pm$ 0.014 χ^2 /NDF: 155335.1/24

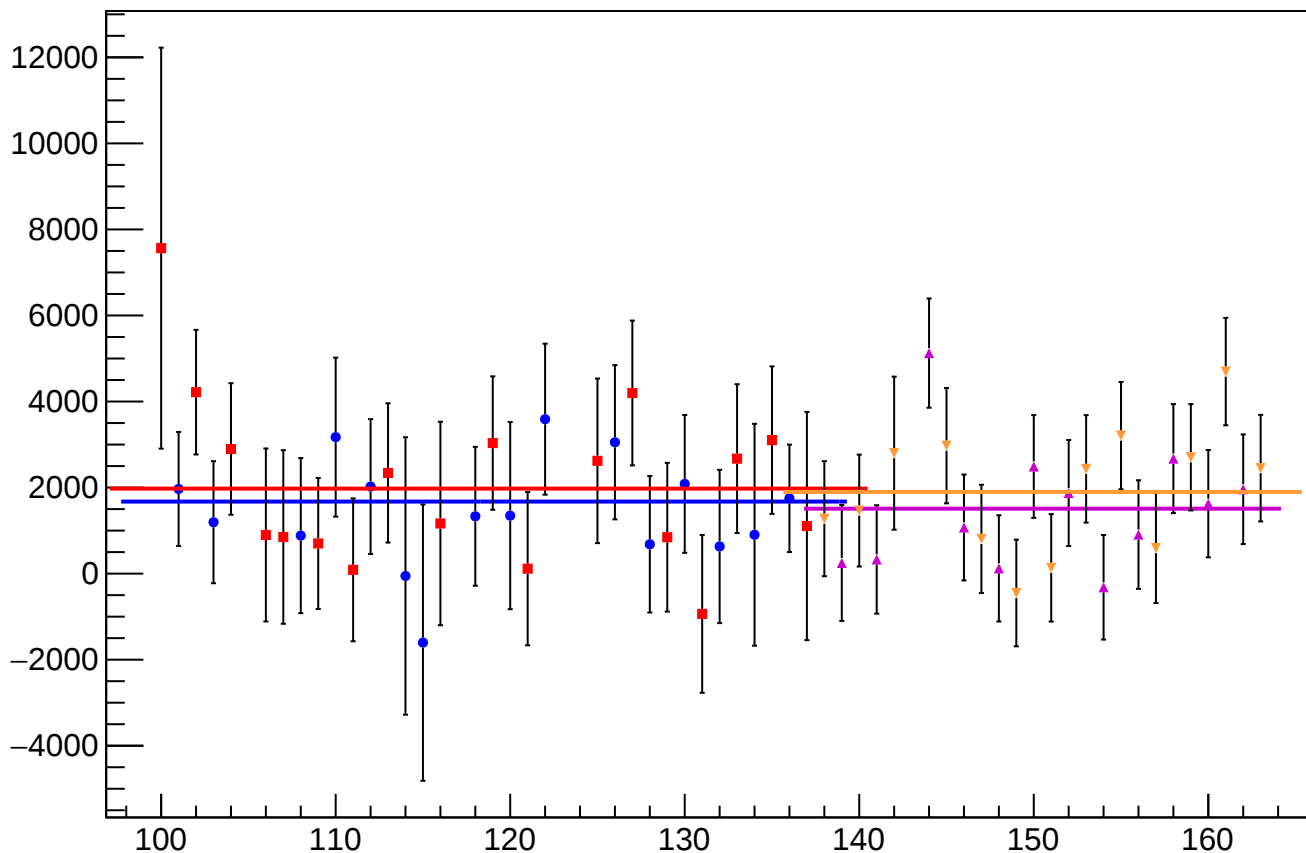
Right: 77.670 $\pm$ 0.015 χ^2 /NDF: 808427.1/33

In: 81.856 $\pm$ 0.014 χ^2 /NDF:598028.2/27

Out: 83.909 $\pm$ 0.015 χ^2 /NDF:575489.6/30

All: 82.873 $\pm$ 0.010 χ^2 /NDF: 1183560.7/58

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1899.026 $\pm$ 358.214 χ^2 /NDF:15.5/12

Right Out: 1976.296 $\pm$ 422.405 χ^2 /NDF: 14.0/17

Left In: 1509.406 $\pm$ 361.228 χ^2 /NDF:15.5/11

Left: 1705.848 $\pm$ 254.355 χ^2 /NDF: 31.6/24

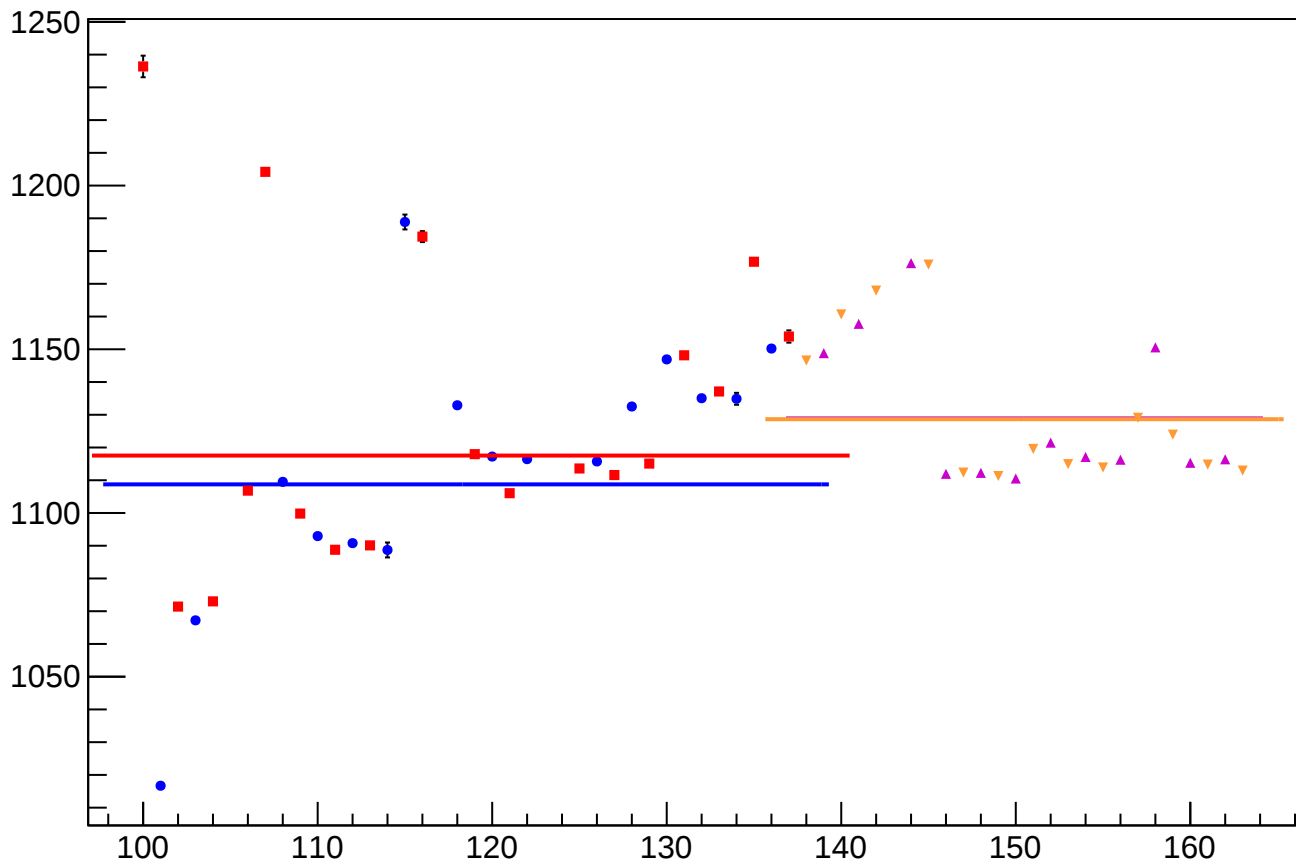
Right: 1828.538 $\pm$ 301.540 χ^2 /NDF: 19.4/33

In: 1577.804 $\pm$ 276.744 χ^2 /NDF:20.7/27

Out: 1931.349 $\pm$ 273.202 χ^2 /NDF:29.6/30

All: 1756.854 $\pm$ 194.423 χ^2 /NDF: 51.1/58

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1128.644 $\pm$ 0.253 χ^2 /NDF: 6981.5/12

Right Out: 1117.539 $\pm$ 0.299 χ^2 /NDF: 15515.2/17

Left In: 1128.888 $\pm$ 0.255 χ^2 /NDF: 6969.8/11

Left: 1128.765 $\pm$ 0.180 χ^2 /NDF: 13951.9/24

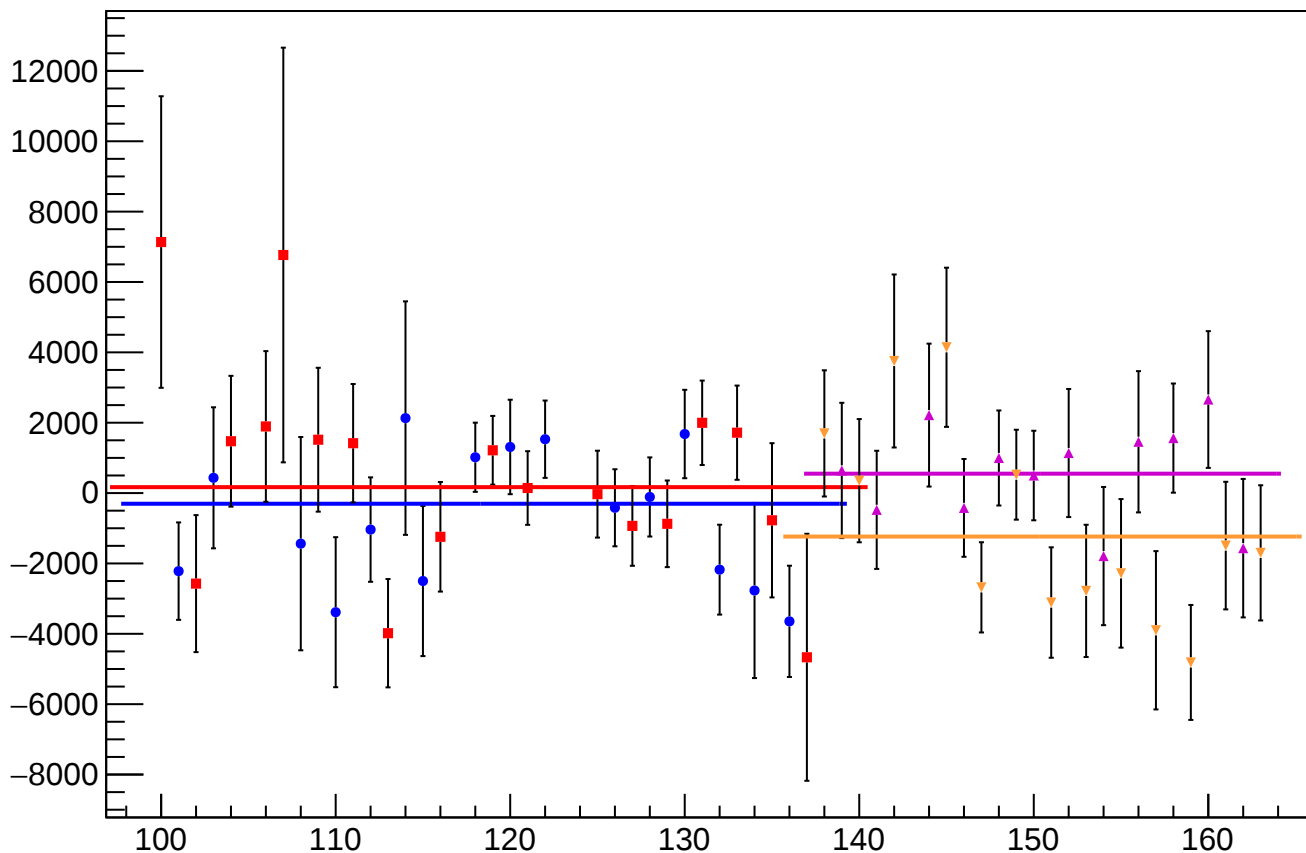
Right: 1113.224 $\pm$ 0.213 χ^2 /NDF: 34021.5/33

In: 1120.565 $\pm$ 0.196 χ^2 /NDF: 27620.8/27

Out: 1123.998 $\pm$ 0.193 χ^2 /NDF: 23300.7/30

All: 1122.304 $\pm$ 0.137 χ^2 /NDF: 51077.4/58

asym_usl_correction_mean vs Slug, Sign Corrected



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

Left Out: -1235.576 ± 483.417 χ^2/NDF : 25.1/12

Right Out: 168.849 ± 356.237 χ^2/NDF : 24.9/17

Left In: 551.260 ± 482.344 χ^2/NDF : 6.1/11

Left: -340.172 ± 341.448 χ^2/NDF : 38.0/24

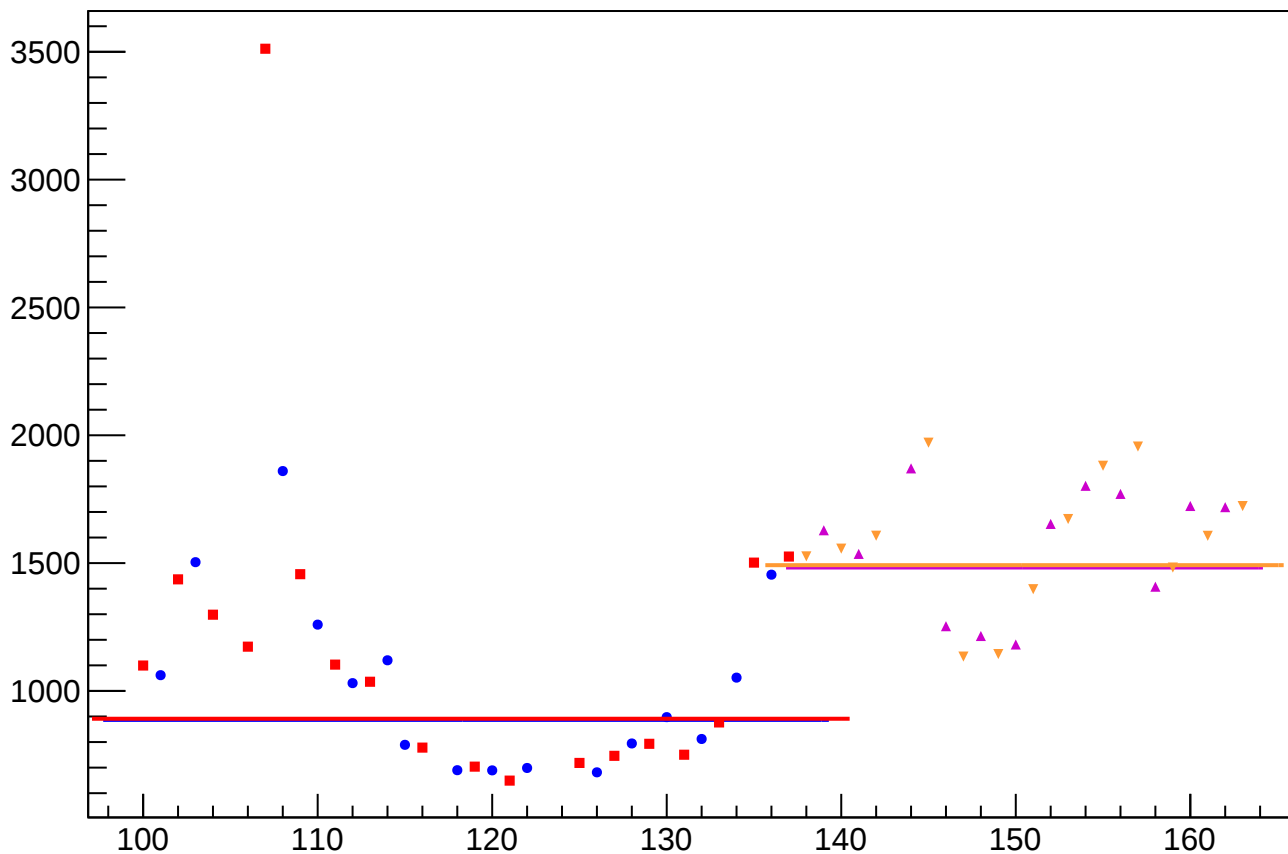
Right: -64.717 ± 253.241 χ^2/NDF : 48.0/33

In: 2.478 ± 288.539 χ^2/NDF : 30.4/27

Out: -325.410 ± 286.781 χ^2/NDF : 55.4/30

All: -162.468 ± 203.403 χ^2/NDF : 86.5/58

asym_usl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1491.917+/-0.342 χ^2/NDF : 616799.0/12

Right Out: 891.197+/-0.252 χ^2/NDF : 1414187.9/17

Left In: 1482.753+/-0.341 χ^2/NDF : 507354.7/11

Left: 1487.325+/-0.241 χ^2/NDF : 1124513.8/24

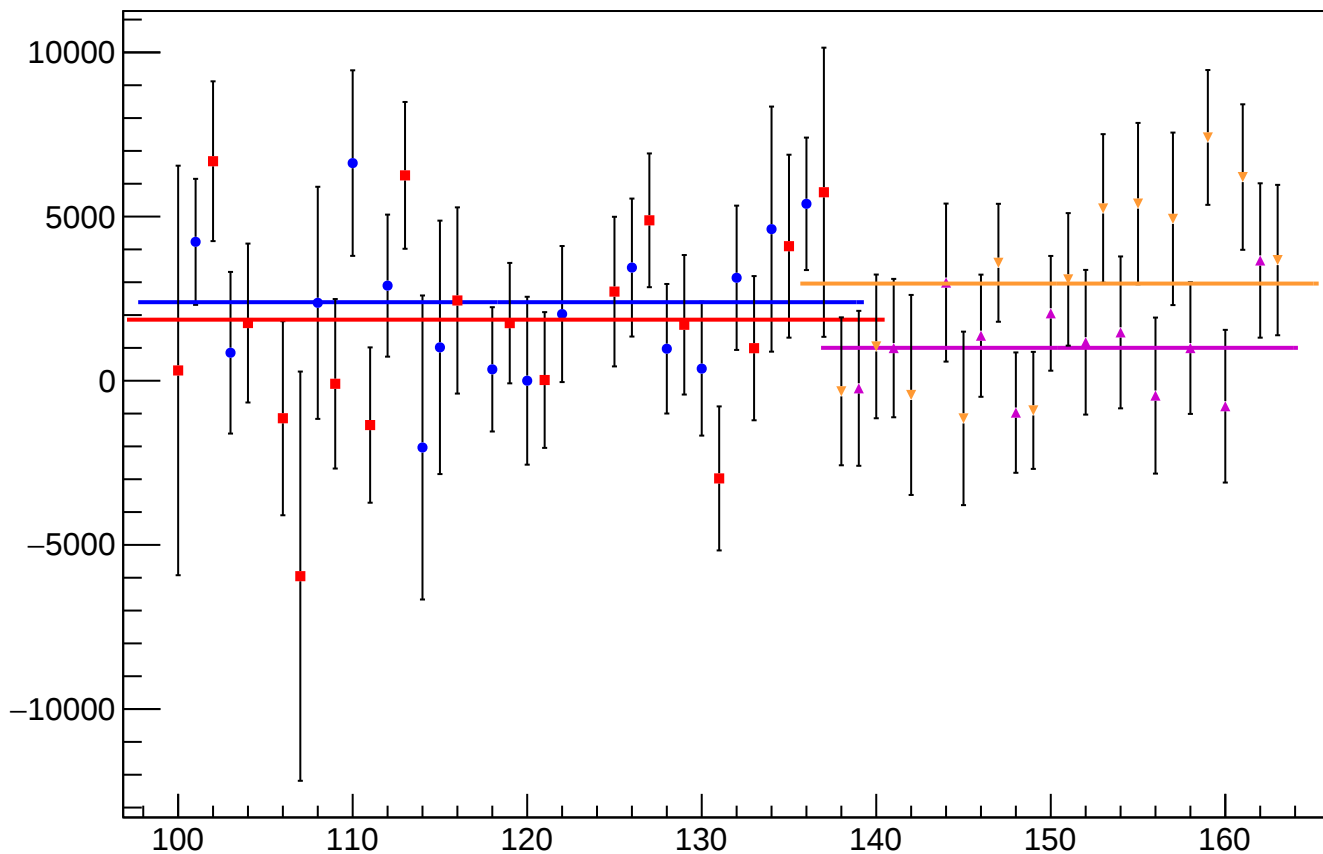
Right: 888.968+/-0.179 χ^2/NDF : 2475210.4/33

In: 1099.989+/-0.204 χ^2/NDF : 3529493.0/27

Out: 1102.608+/-0.203 χ^2/NDF : 4032472.2/30

All: 1101.306+/-0.144 χ^2/NDF : 7562048.2/58

asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 2959.407 $\pm$ 612.619 χ^2 /NDF:20.9/12

Right Out: 1859.867 $\pm$ 583.119 χ^2 /NDF: 22.5/17

Left In: 1001.866 $\pm$ 611.303 χ^2 /NDF:4.8/11

Left: 1978.531 $\pm$ 432.721 χ^2 /NDF: 30.8/24

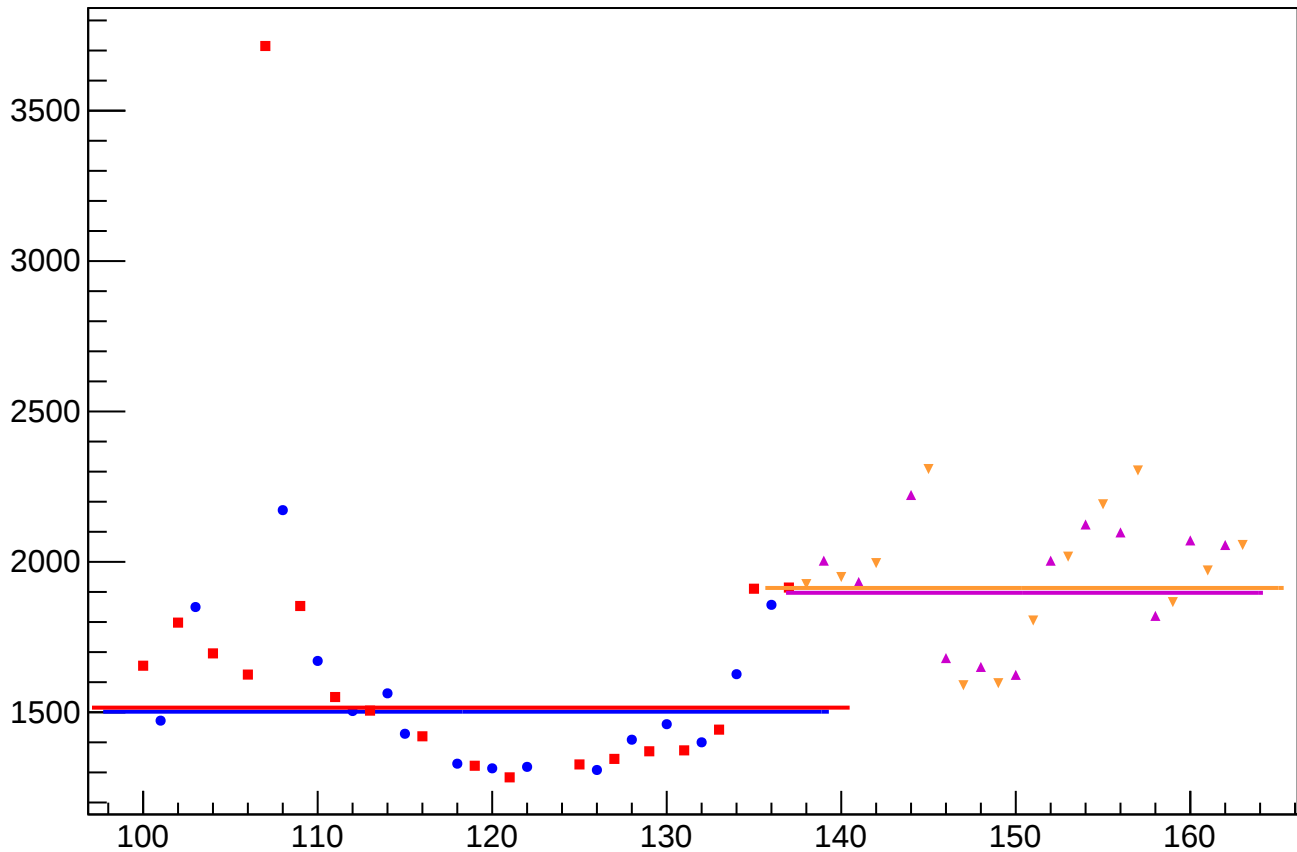
Right: 2123.458 $\pm$ 414.388 χ^2 /NDF: 34.1/33

In: 1722.964 $\pm$ 424.148 χ^2 /NDF:18.6/27

Out: 2382.527 $\pm$ 422.371 χ^2 /NDF:45.1/30

All: 2054.130 $\pm$ 299.288 χ^2 /NDF: 64.9/58

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1913.287+/-0.433 χ^2/NDF : 264906.1/12

Right Out: 1515.406+/-0.412 χ^2/NDF : 479759.9/17

Left In: 1897.181+/-0.432 χ^2/NDF : 214860.8/11

Left: 1905.216+/-0.306 χ^2/NDF : 480459.6/24

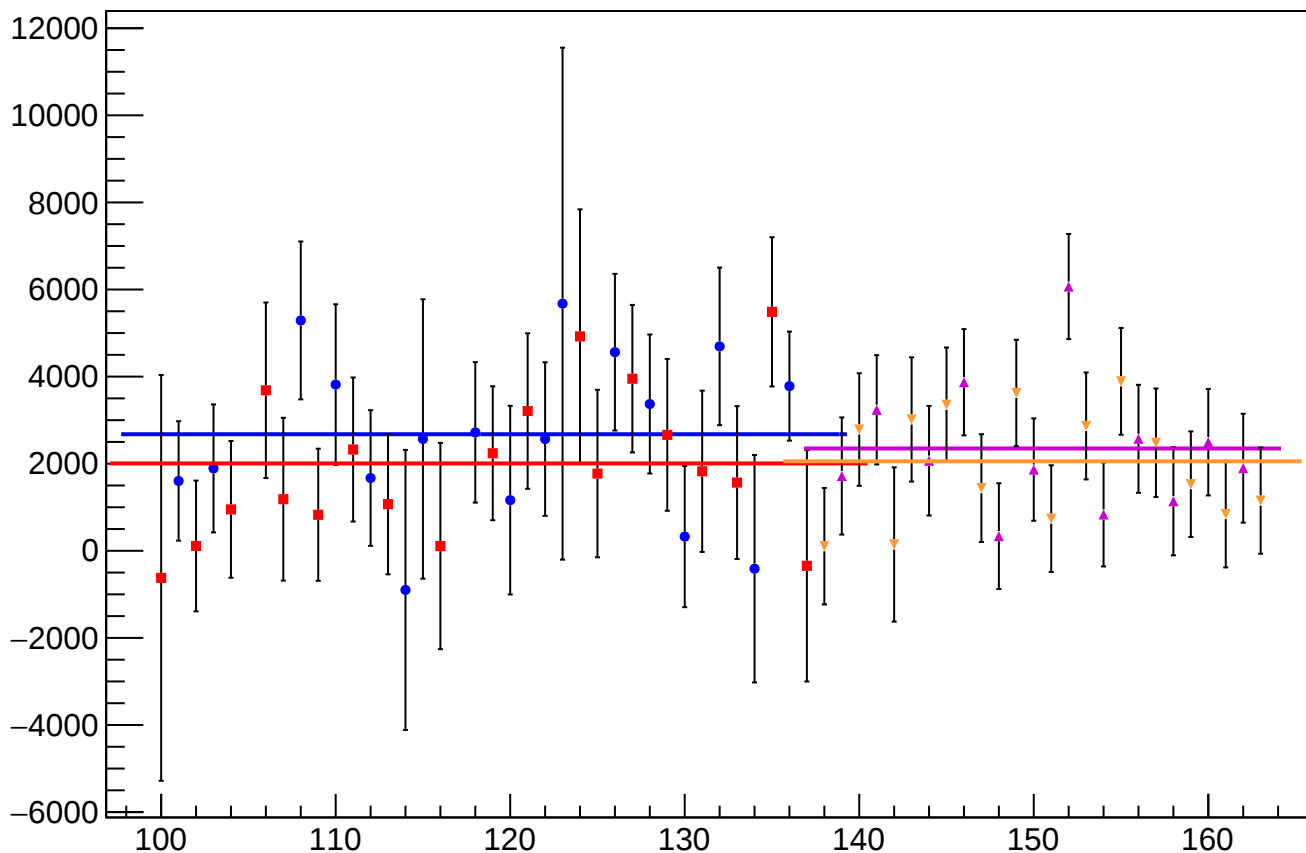
Right: 1508.739+/-0.293 χ^2/NDF : 734837.7/33

In: 1692.214+/-0.300 χ^2/NDF : 902987.2/27

Out: 1704.536+/-0.299 χ^2/NDF : 1187284.9/30

All: 1698.401+/-0.212 χ^2/NDF : 2091119.5/58

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2676.683+/-433.582 χ^2/NDF : 12.6/16

Left Out: 2054.624+/-342.422 χ^2/NDF : 12.6/13

Right Out: 2006.577+/-419.165 χ^2/NDF : 12.8/18

Left In: 2349.760+/-356.037 χ^2/NDF : 17.5/11

Left: 2196.441+/-246.802 χ^2/NDF : 30.4/25

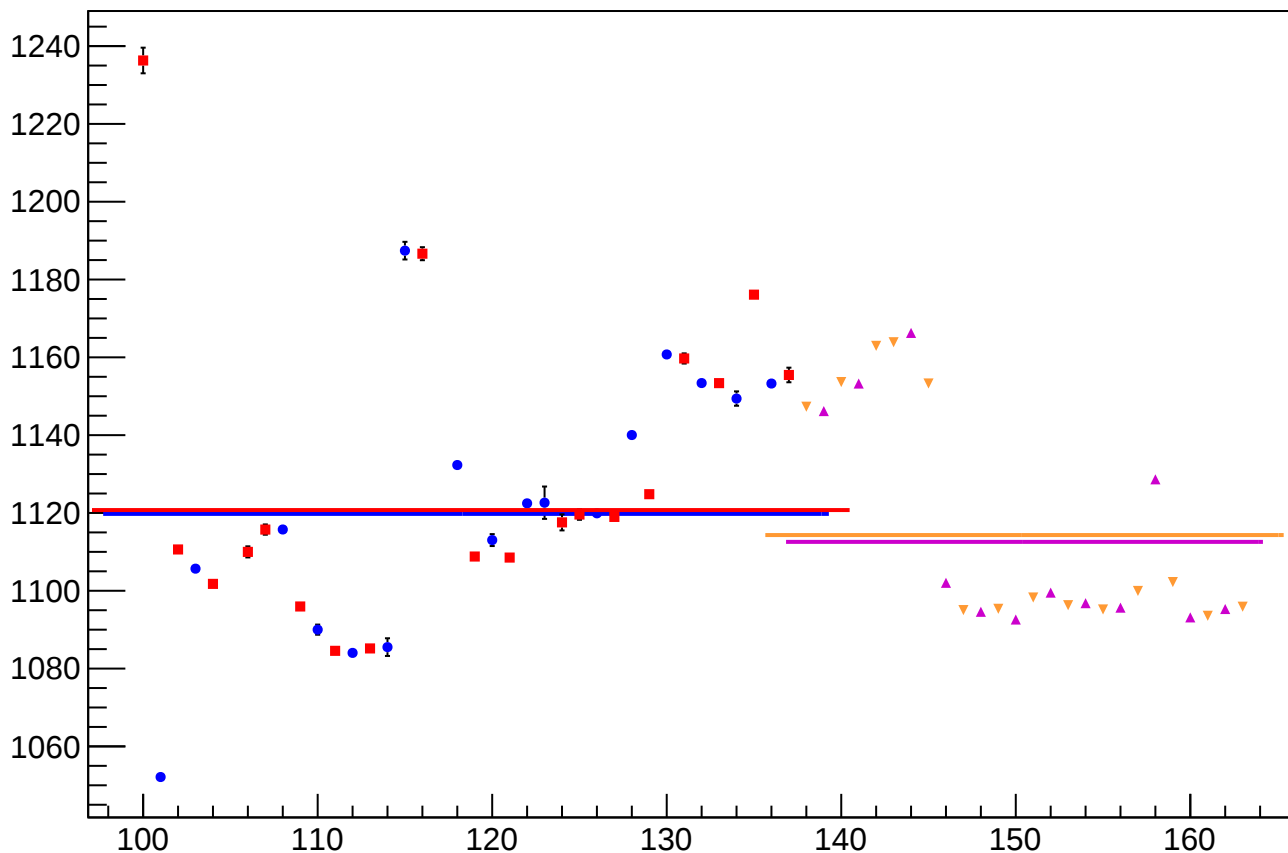
Right: 2330.304+/-301.362 χ^2/NDF : 26.6/35

In: 2481.423+/-275.156 χ^2/NDF : 30.4/28

Out: 2035.393+/-265.184 χ^2/NDF : 25.4/32

All: 2250.179+/-190.942 χ^2/NDF : 57.2/61

reg_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1114.321 $\pm$ 0.242 χ^2 /NDF:12468.9/13

Right Out: 1120.746 $\pm$ 0.296 χ^2 /NDF: 9934.2/18

Left In: 1112.569 $\pm$ 0.252 χ^2 /NDF:10332.2/11

Left: 1113.479 $\pm$ 0.175 χ^2 /NDF: 22826.3/25

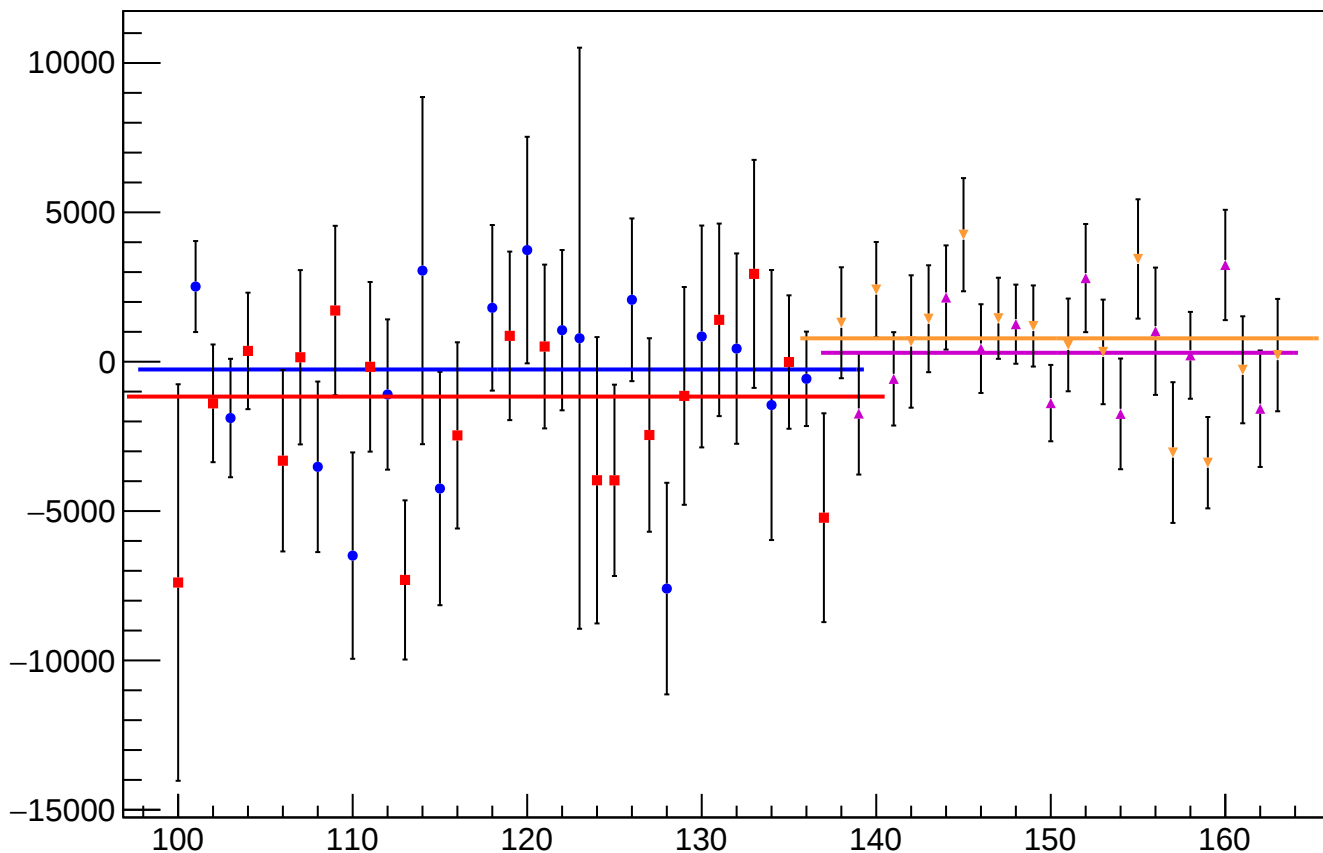
Right: 1120.271 $\pm$ 0.213 χ^2 /NDF: 21816.3/35

In: 1115.466 $\pm$ 0.195 χ^2 /NDF:22537.8/28

Out: 1116.893 $\pm$ 0.188 χ^2 /NDF:22684.8/32

All: 1116.205 $\pm$ 0.135 χ^2 /NDF: 45250.6/61

asym_usr_correction_mean vs Slug, Sign Corrected



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

Left Out: 782.723 $\pm$ 458.502 χ^2/NDF : 17.3/13

Right Out: -1167.598 $\pm$ 662.428 χ^2/NDF : 14.4/18

Left In: 298.471 $\pm$ 473.611 χ^2/NDF : 11.4/11

Left: 548.444 $\pm$ 329.422 χ^2/NDF : 29.2/25

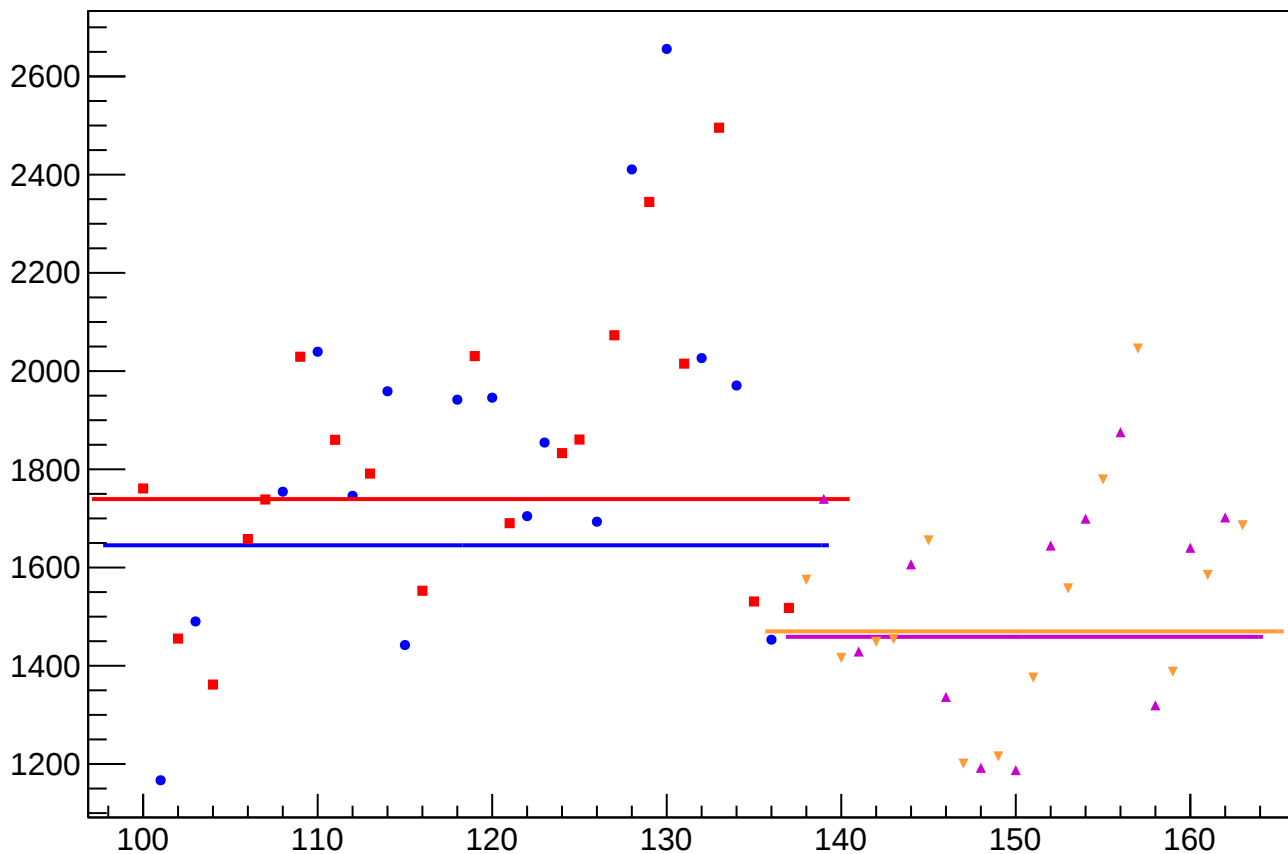
Right: -708.782 $\pm$ 465.858 χ^2/NDF : 32.6/35

In: 106.899 $\pm$ 383.848 χ^2/NDF : 29.1/28

Out: 151.009 $\pm$ 377.004 χ^2/NDF : 37.6/32

All: 129.351 $\pm$ 268.969 χ^2/NDF : 66.7/61

asym_usr_correction_rms vs Slug, Sign Corrected



Right In: 1645.307 $\pm$ 0.463 χ^2/NDF : 600915.2/16

Left Out: 1470.030 $\pm$ 0.324 χ^2/NDF : 397442.5/13

Right Out: 1739.382 $\pm$ 0.468 χ^2/NDF : 371012.9/18

Left In: 1458.905 $\pm$ 0.335 χ^2/NDF : 437717.0/11

Left: 1464.648 $\pm$ 0.233 χ^2/NDF : 835729.2/25

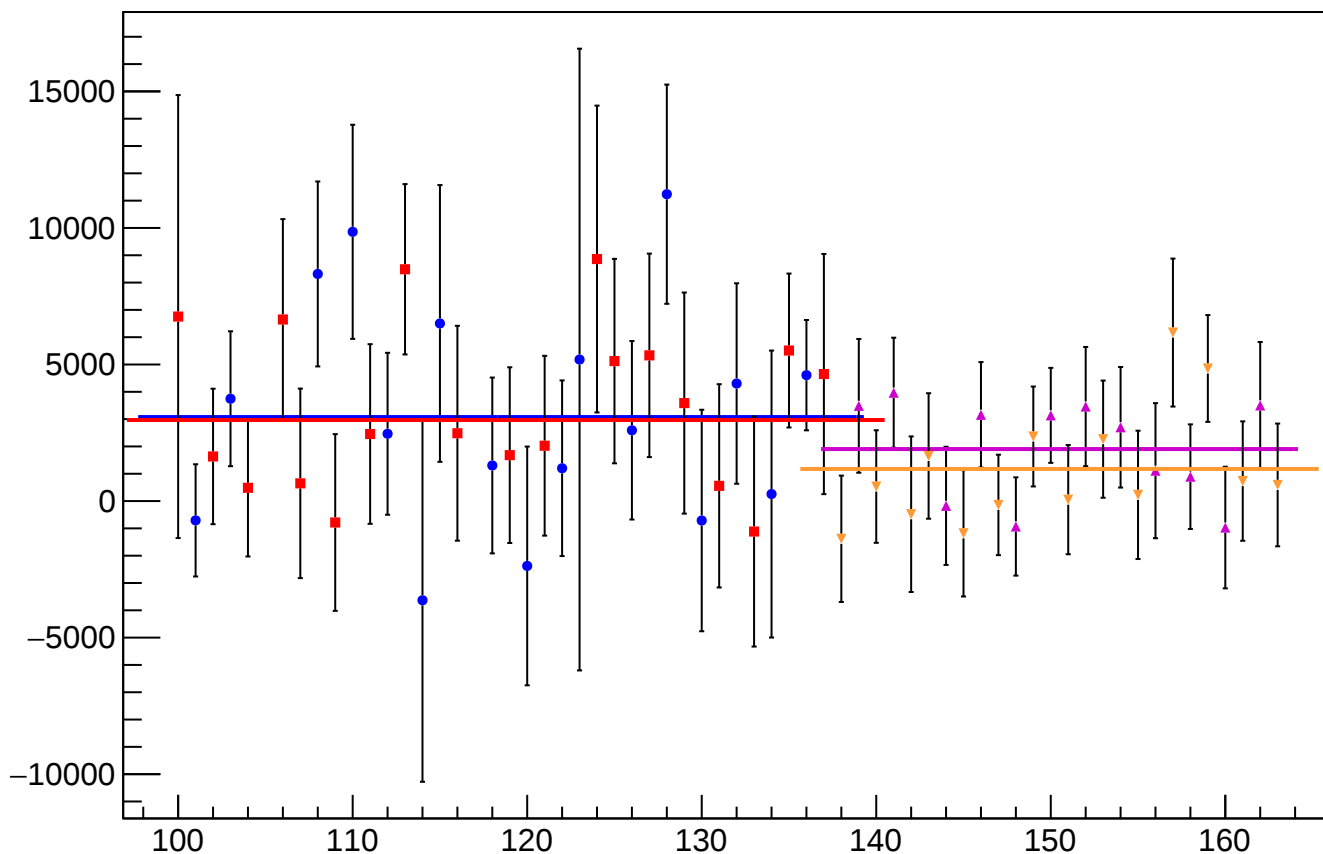
Right: 1691.833 $\pm$ 0.329 χ^2/NDF : 992315.5/35

In: 1522.867 $\pm$ 0.271 χ^2/NDF : 1144937.5/28

Out: 1557.274 $\pm$ 0.267 χ^2/NDF : 992019.0/32

All: 1540.380 $\pm$ 0.190 χ^2/NDF : 2145135.8/63

asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 1175.606+/-580.244 χ^2/NDF : 11.5/13

Right Out: 2967.536+/-795.639 χ^2/NDF : 11.9/18

Left In: 1904.141+/-600.403 χ^2/NDF : 9.0/11

Left: 1527.437+/-417.240 χ^2/NDF : 21.2/25

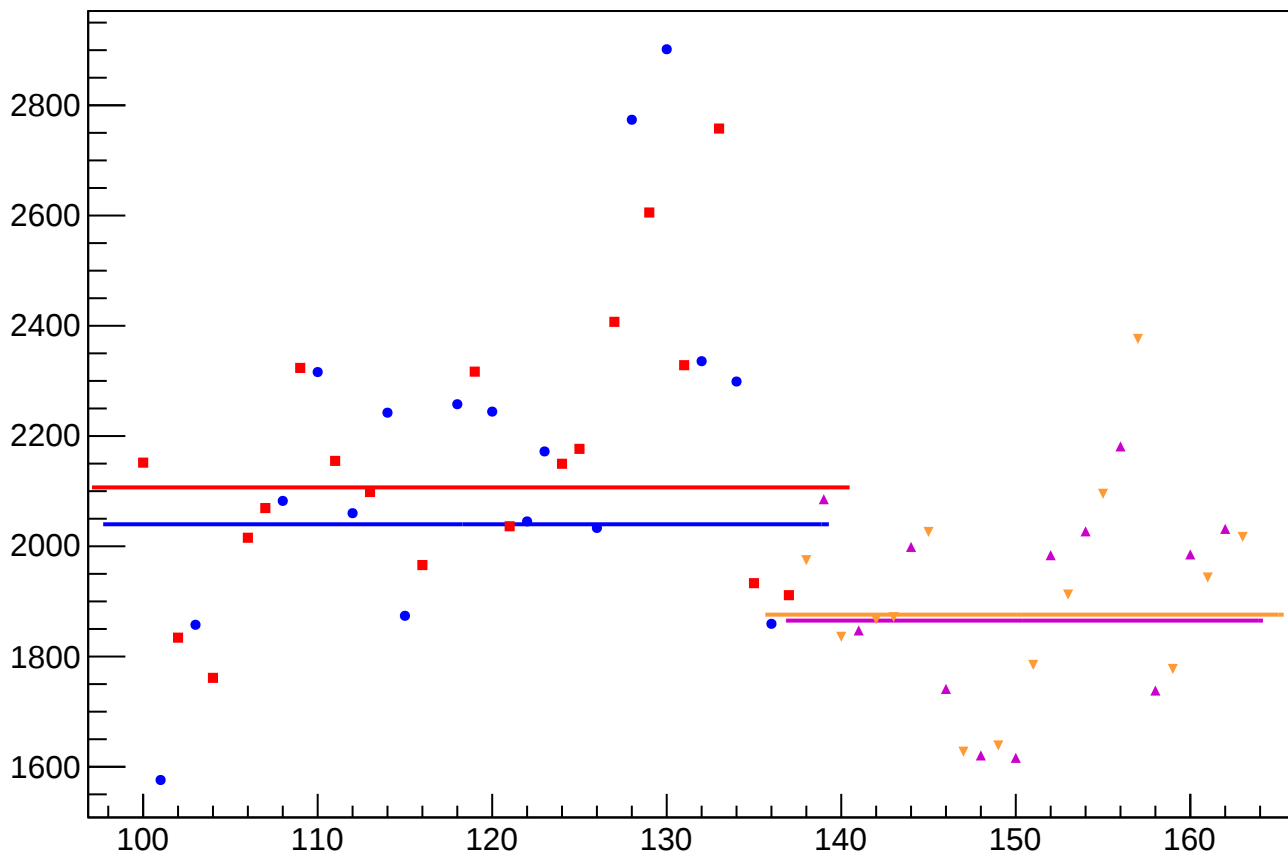
Right: 3021.022+/-564.924 χ^2/NDF : 30.5/35

In: 2324.642+/-480.692 χ^2/NDF : 28.9/28

Out: 1797.755+/-468.816 χ^2/NDF : 26.6/32

All: 2054.610+/-335.623 χ^2/NDF : 56.2/61

asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1875.979+/-0.410 χ^2/NDF : 188261.7/13

Right Out: 2106.832+/-0.563 χ^2/NDF : 195448.9/18

Left In: 1865.184+/-0.425 χ^2/NDF : 184366.5/11

Left: 1870.765+/-0.295 χ^2/NDF : 372962.5/25

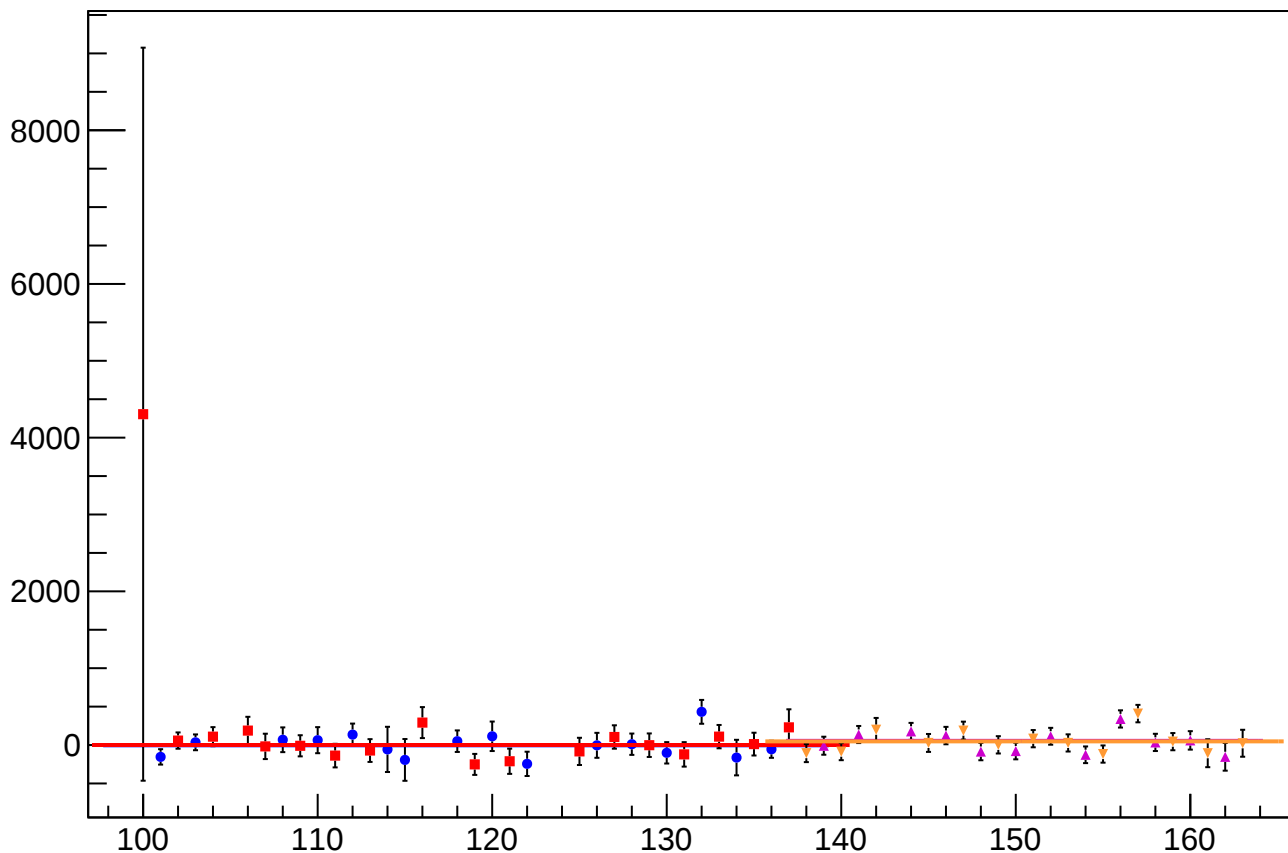
Right: 2073.664+/-0.399 χ^2/NDF : 534442.4/35

In: 1927.925+/-0.340 χ^2/NDF : 577182.7/28

Out: 1956.130+/-0.332 χ^2/NDF : 493625.3/32

All: 1942.380+/-0.237 χ^2/NDF : 1074337.0/63

reg_asym_dsl_mean vs Slug, Sign Corrected



Right In: -3.283 $\pm$ 36.714 χ^2/NDF : 16.1/15

Left Out: 47.718 $\pm$ 33.681 χ^2/NDF : 18.9/12

Right Out: 0.487 $\pm$ 36.699 χ^2/NDF : 14.0/17

Left In: 54.356 $\pm$ 33.233 χ^2/NDF : 16.4/11

Left: 51.081 $\pm$ 23.656 χ^2/NDF : 35.4/24

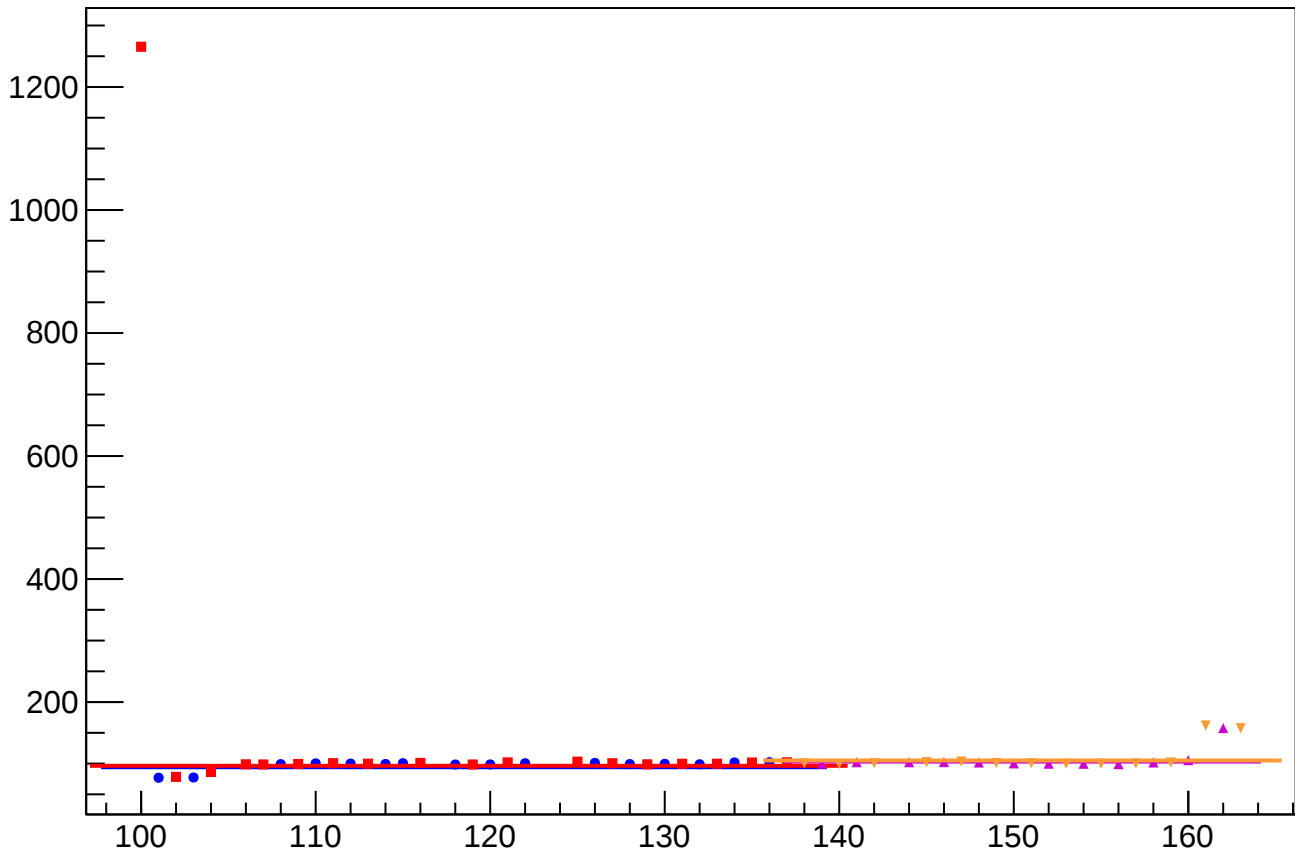
Right: -1.397 $\pm$ 25.955 χ^2/NDF : 30.1/33

In: 28.398 $\pm$ 24.638 χ^2/NDF : 33.9/27

Out: 26.124 $\pm$ 24.814 χ^2/NDF : 33.8/30

All: 27.269 $\pm$ 17.484 χ^2/NDF : 67.7/58

reg_asym_dsl_rms vs Slug, Sign Corrected



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

Left Out: 105.028+/-0.024 χ^2/NDF : 405660.0/12

Right Out: 96.372+/-0.026 χ^2/NDF : 209228.5/17

Left In: 103.209+/-0.023 χ^2/NDF : 194435.9/11

Left: 104.107+/-0.017 χ^2/NDF : 603051.9/24

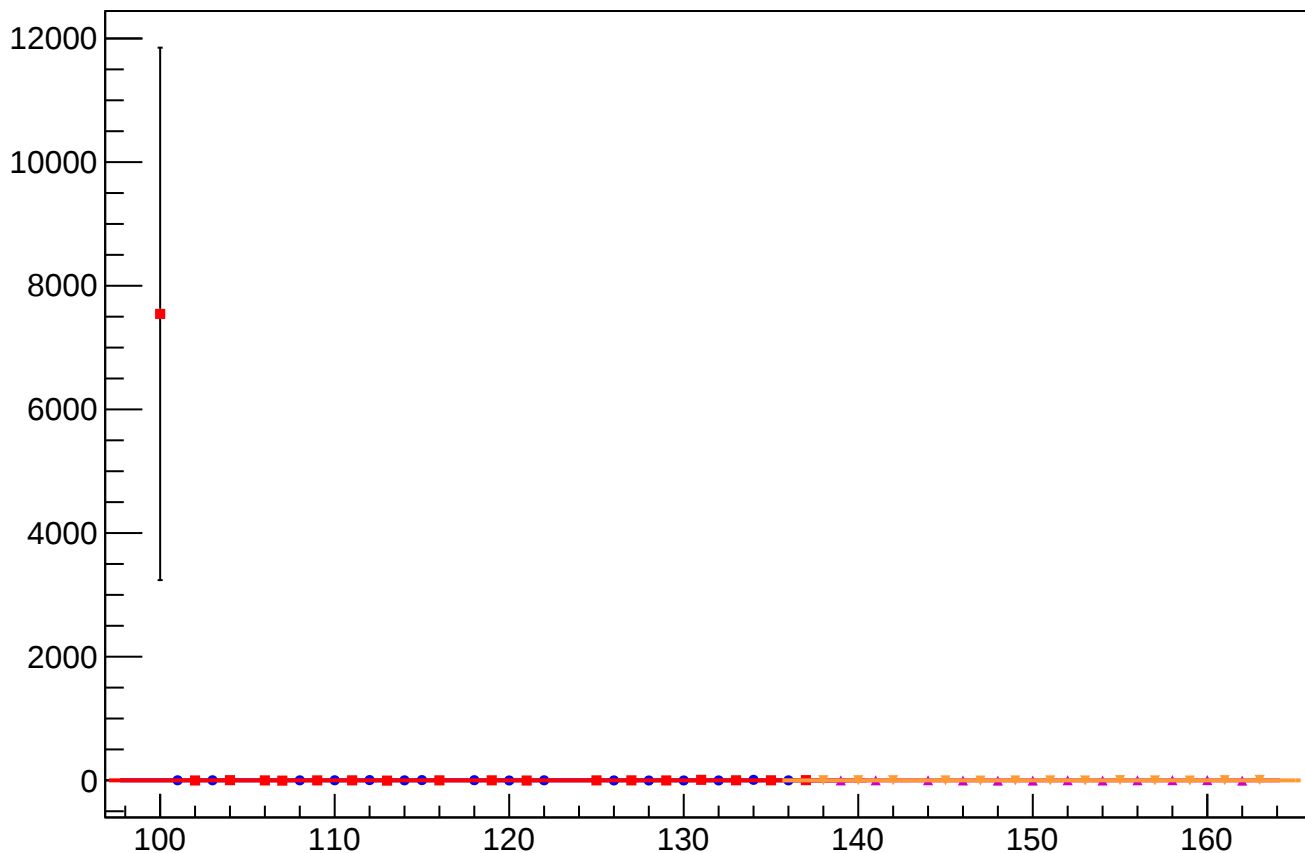
Right: 95.221+/-0.018 χ^2/NDF : 365453.7/33

In: 99.093+/-0.017 χ^2/NDF : 414866.9/27

Out: 101.071+/-0.018 χ^2/NDF : 675286.6/30

All: 100.075+/-0.012 χ^2/NDF : 1096554.0/58

asym_dsl_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.427+/-0.583 χ^2/NDF : 19.0/12

Right Out: -0.313+/-0.643 χ^2/NDF : 22.8/17

Left In: 0.006+/-0.602 χ^2/NDF : 19.9/11

Left: -0.217+/-0.419 χ^2/NDF : 39.1/24

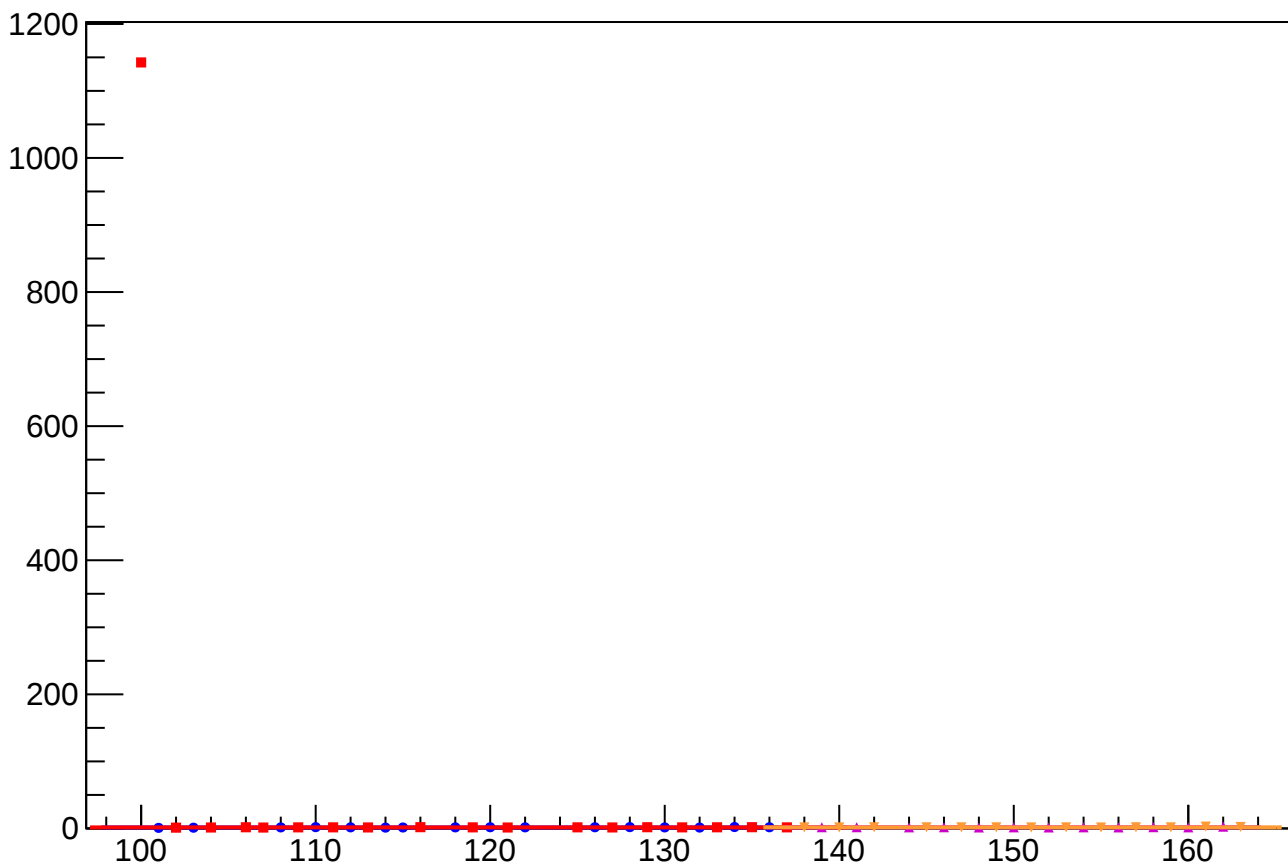
Right: 0.073+/-0.445 χ^2/NDF : 33.2/33

In: 0.211+/-0.430 χ^2/NDF : 29.8/27

Out: -0.375+/-0.432 χ^2/NDF : 41.8/30

All: -0.081+/-0.305 χ^2/NDF : 72.5/58

asym_dsl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.655+/-0.000 χ^2/NDF :339124.9/12

Right Out: 1.556+/-0.000 χ^2/NDF : 315908.9/17

Left In: 1.731+/-0.000 χ^2/NDF :268190.0/11

Left: 1.692+/-0.000 χ^2/NDF : 623747.7/24

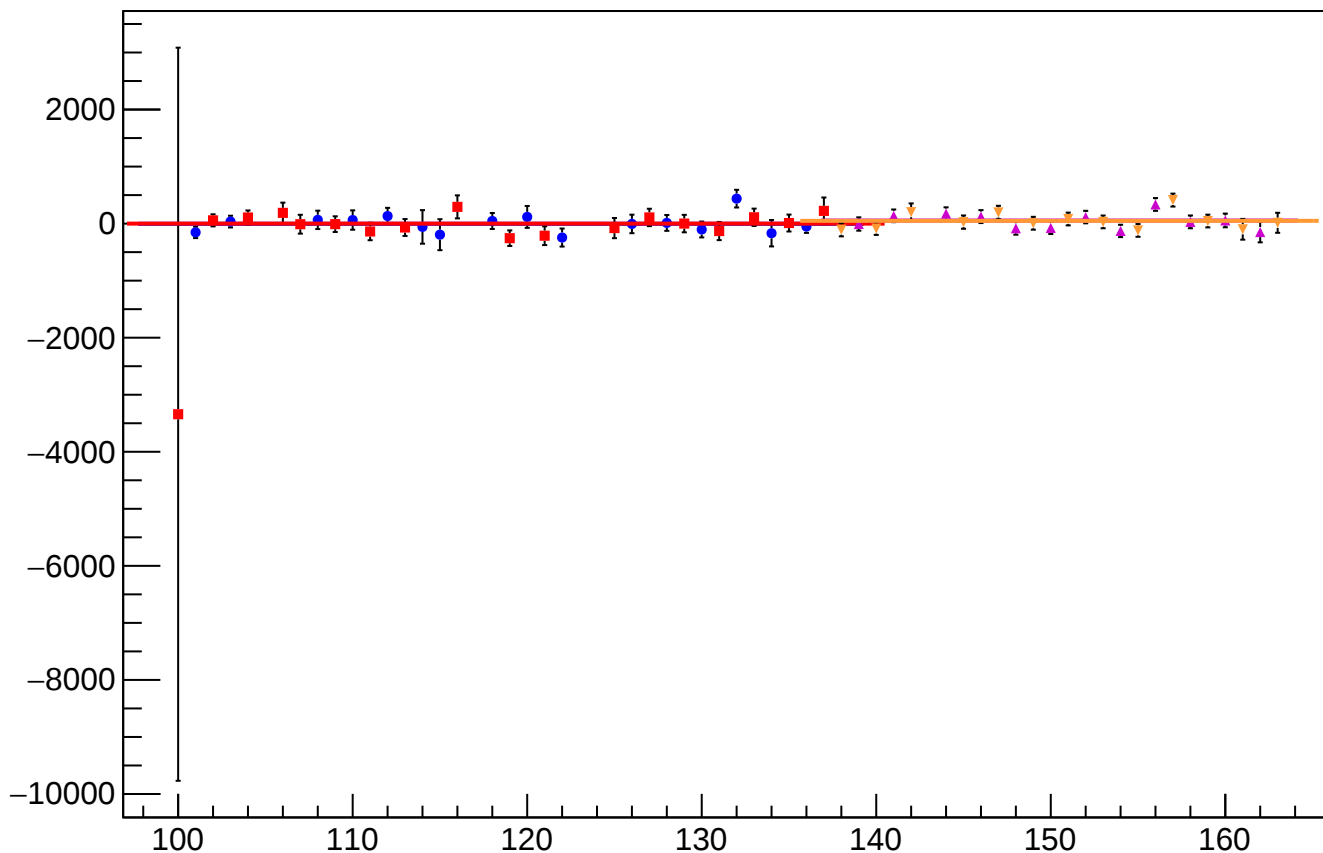
Right: 1.485+/-0.000 χ^2/NDF : 1093611.9/33

In: 1.579+/-0.000 χ^2/NDF :1260803.5/27

Out: 1.610+/-0.000 χ^2/NDF :681290.4/30

All: 1.595+/-0.000 χ^2/NDF : 1947361.5/58

asym_dsl_mean vs Slug, Sign Corrected



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

Left Out: 48.748 ± 33.690 χ^2/NDF : 19.3/12

Right Out: 0.172 ± 36.709 χ^2/NDF : 13.5/17

Left In: 54.058 ± 33.242 χ^2/NDF : 16.0/11

Left: 51.439 ± 23.663 χ^2/NDF : 35.4/24

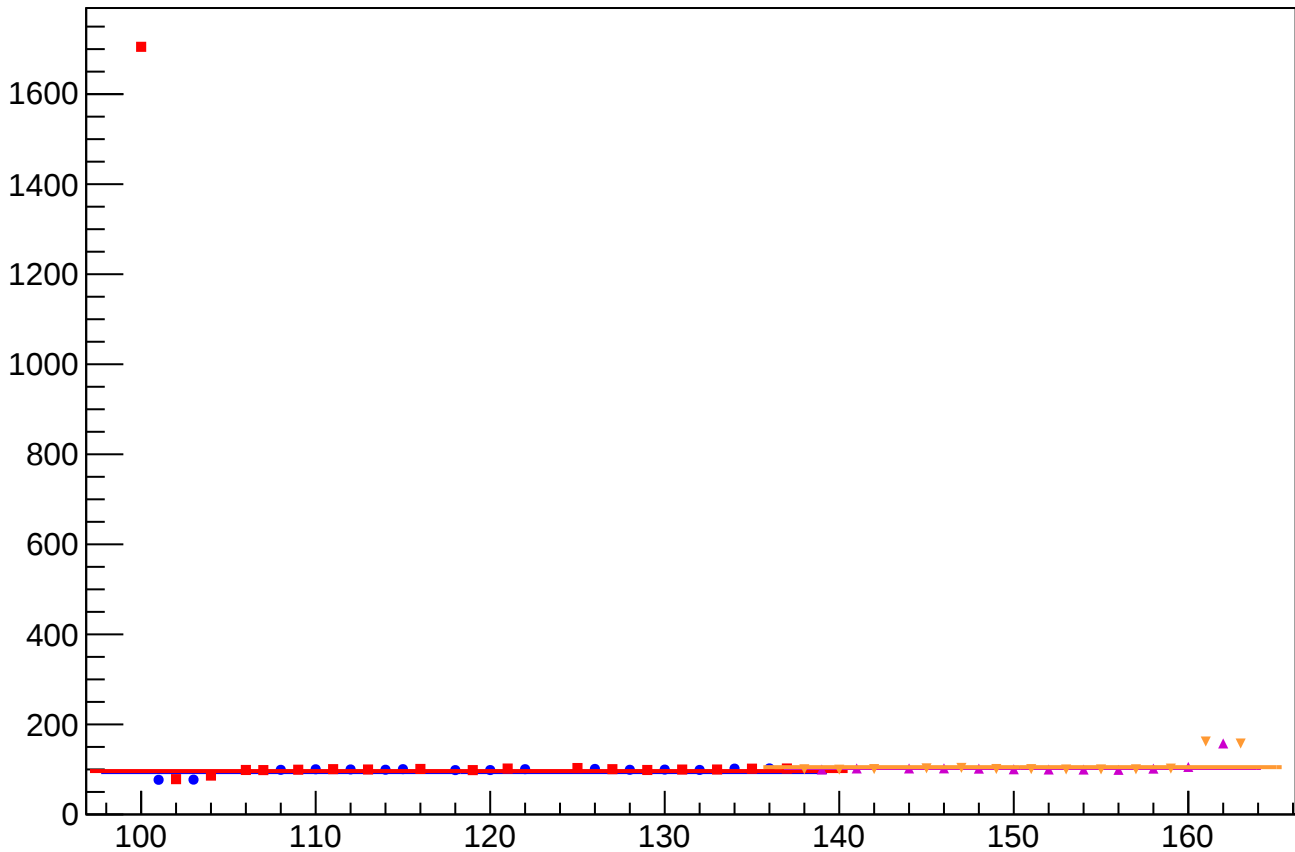
Right: -1.463 ± 25.962 χ^2/NDF : 29.8/33

In: 28.316 ± 24.645 χ^2/NDF : 33.6/27

Out: 26.539 ± 24.821 χ^2/NDF : 33.8/30

All: 27.434 ± 17.489 χ^2/NDF : 67.5/58

asym_dsl_rms vs Slug, Sign Corrected



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

Left Out: 105.056+/-0.024 χ^2/NDF : 405845.9/12

Right Out: 96.381+/-0.026 χ^2/NDF : 214362.3/17

Left In: 103.237+/-0.024 χ^2/NDF : 194466.8/11

Left: 104.135+/-0.017 χ^2/NDF : 603266.2/24

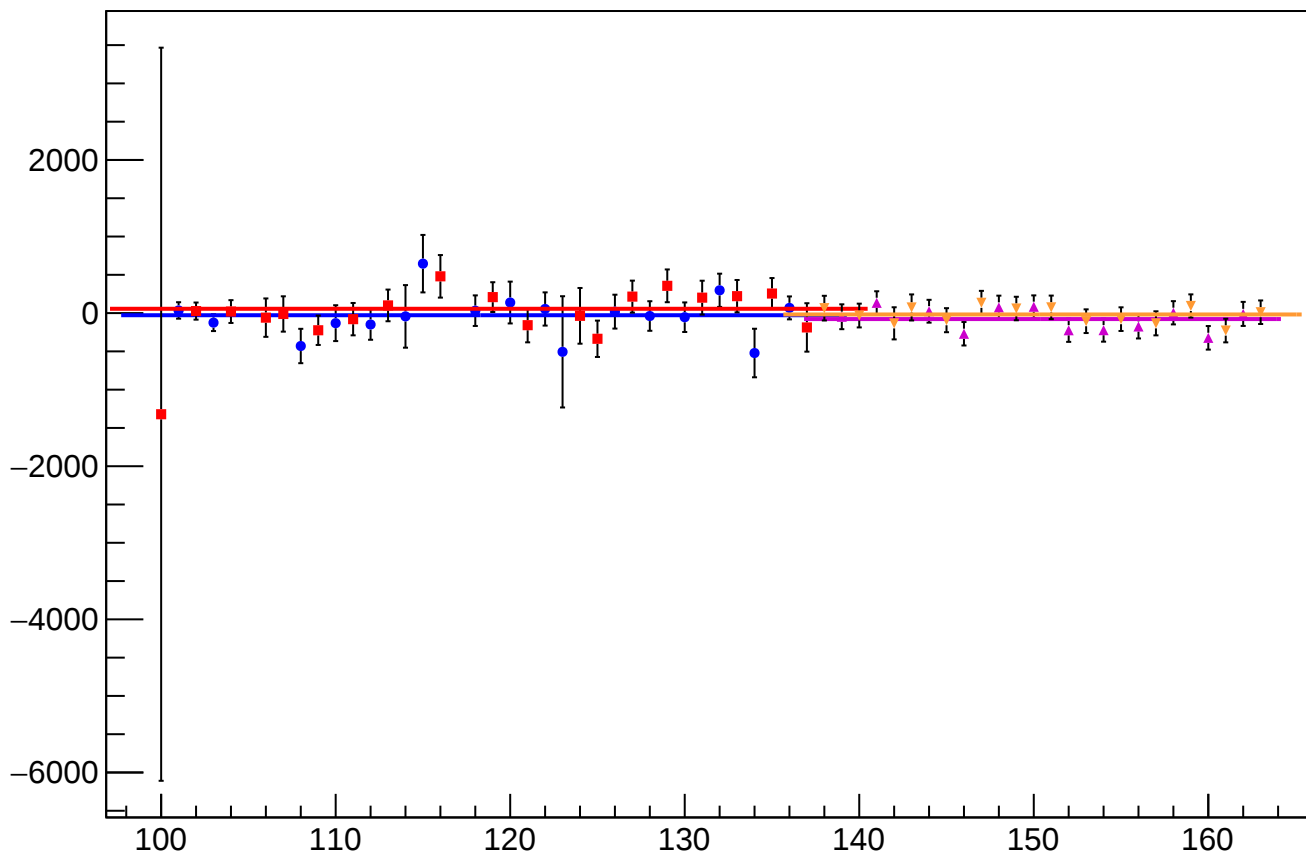
Right: 95.237+/-0.018 χ^2/NDF : 370551.8/33

In: 99.119+/-0.017 χ^2/NDF : 414938.9/27

Out: 101.090+/-0.018 χ^2/NDF : 680841.3/30

All: 100.097+/-0.012 χ^2/NDF : 1102130.7/58

reg_asym_dsr_mean vs Slug, Sign Corrected



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

Left Out: -17.918 ± 42.404 χ^2/NDF : 6.1/13

Right Out: 56.398 ± 47.708 χ^2/NDF : 14.9/18

Left In: -77.996 ± 44.193 χ^2/NDF : 11.5/11

Left: -46.716 ± 30.597 χ^2/NDF : 18.6/25

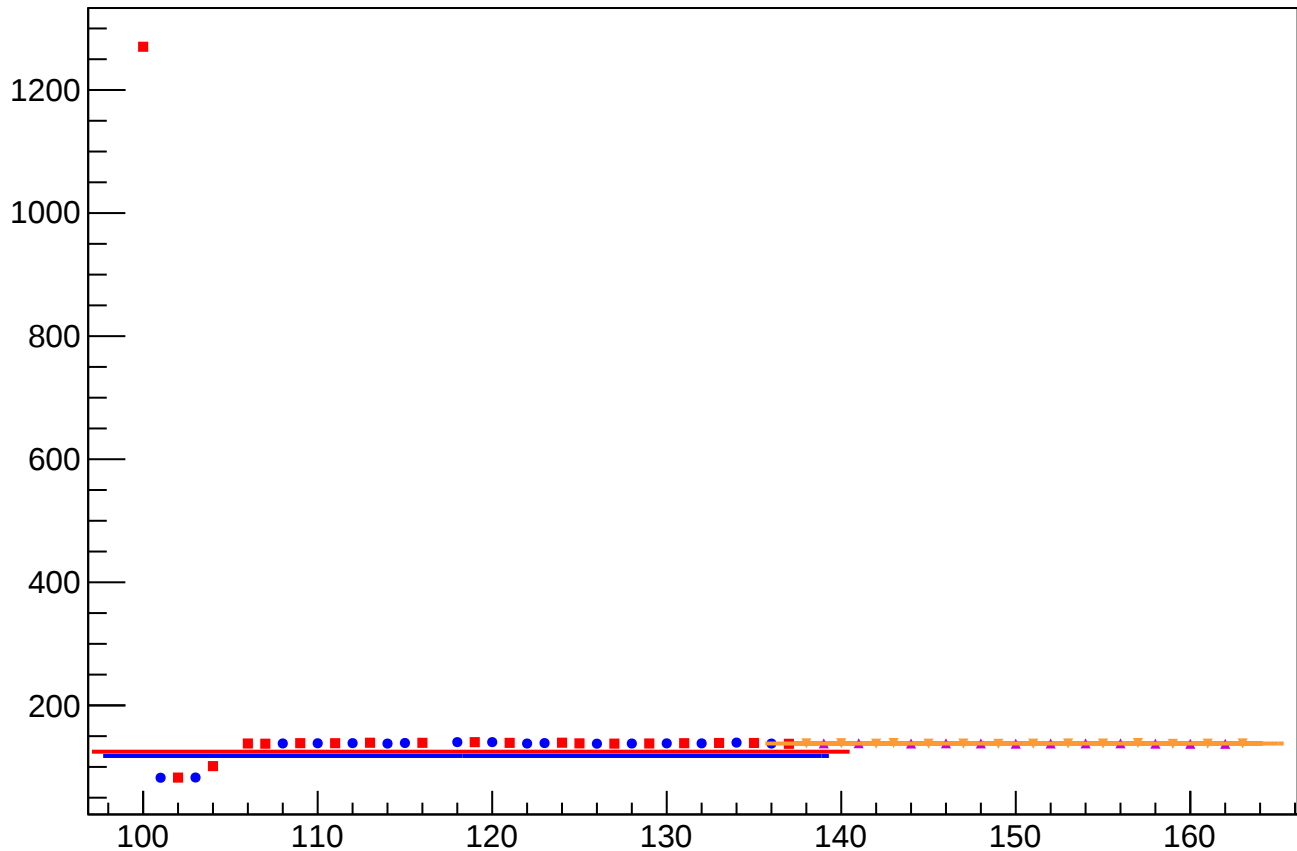
Right: 13.449 ± 33.401 χ^2/NDF : 30.8/35

In: -54.341 ± 32.124 χ^2/NDF : 26.4/28

Out: 14.881 ± 31.694 χ^2/NDF : 22.4/32

All: -19.264 ± 22.562 χ^2/NDF : 51.1/61

reg_asym_dsr_rms vs Slug, Sign Corrected



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

Left Out: 138.033 $\pm$ 0.030 χ^2 /NDF:172.6/13

Right Out: 124.763 $\pm$ 0.034 χ^2 /NDF: 569771.6/18

Left In: 138.127 $\pm$ 0.031 χ^2 /NDF:91.1/11

Left: 138.078 $\pm$ 0.022 χ^2 /NDF: 268.4/25

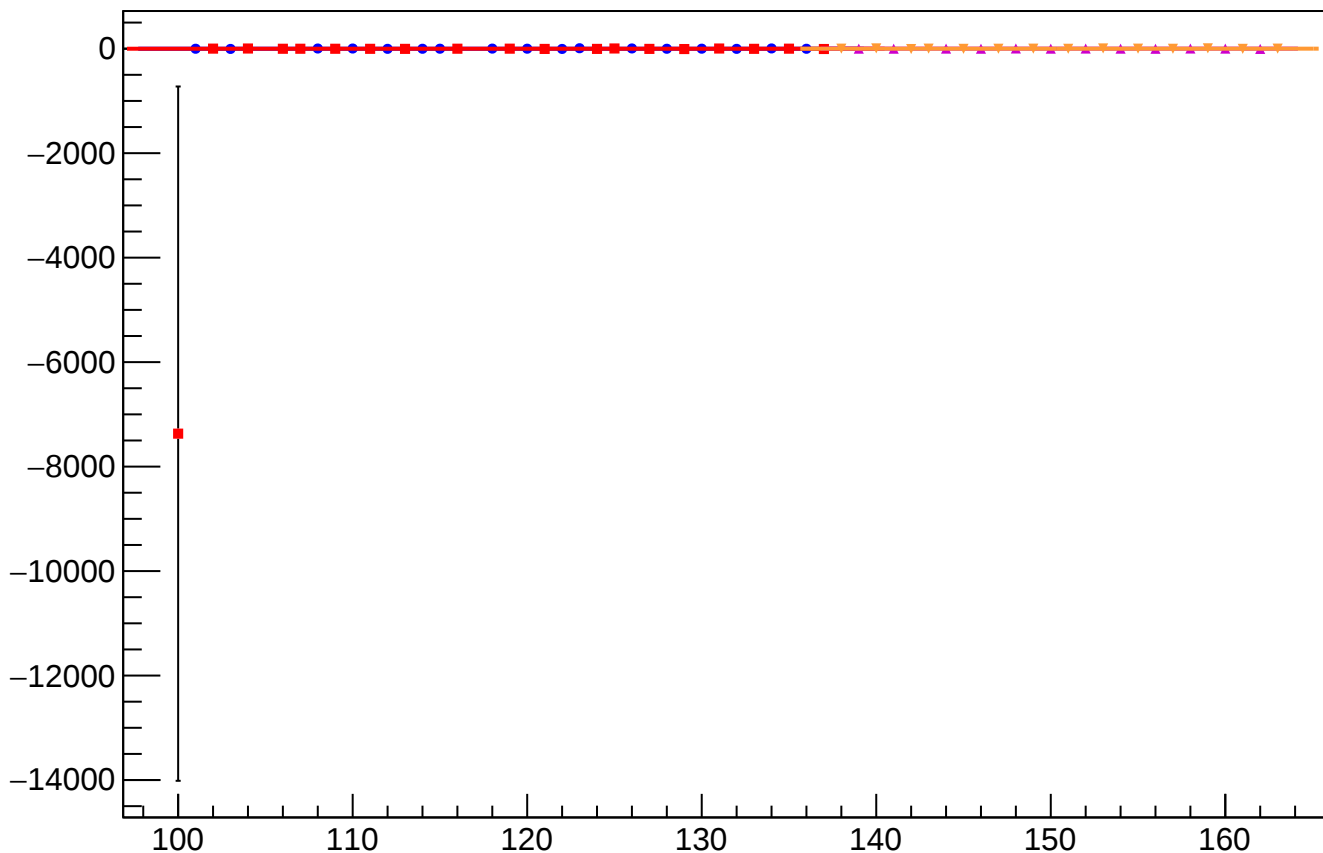
Right: 121.221 $\pm$ 0.024 χ^2 /NDF: 1257984.7/35

In: 128.547 $\pm$ 0.023 χ^2 /NDF:865934.3/28

Out: 132.176 $\pm$ 0.022 χ^2 /NDF:656378.3/32

All: 130.386 $\pm$ 0.016 χ^2 /NDF: 1535247.4/61

asym_dsr_correction_mean vs Slug, Sign Corrected



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

Left Out: 0.582 ± 0.729 χ^2/NDF : 19.6/13

Right Out: -0.649 ± 0.851 χ^2/NDF : 13.7/18

Left In: 0.972 ± 0.742 χ^2/NDF : 8.3/11

Left: 0.774 ± 0.520 χ^2/NDF : 28.0/25

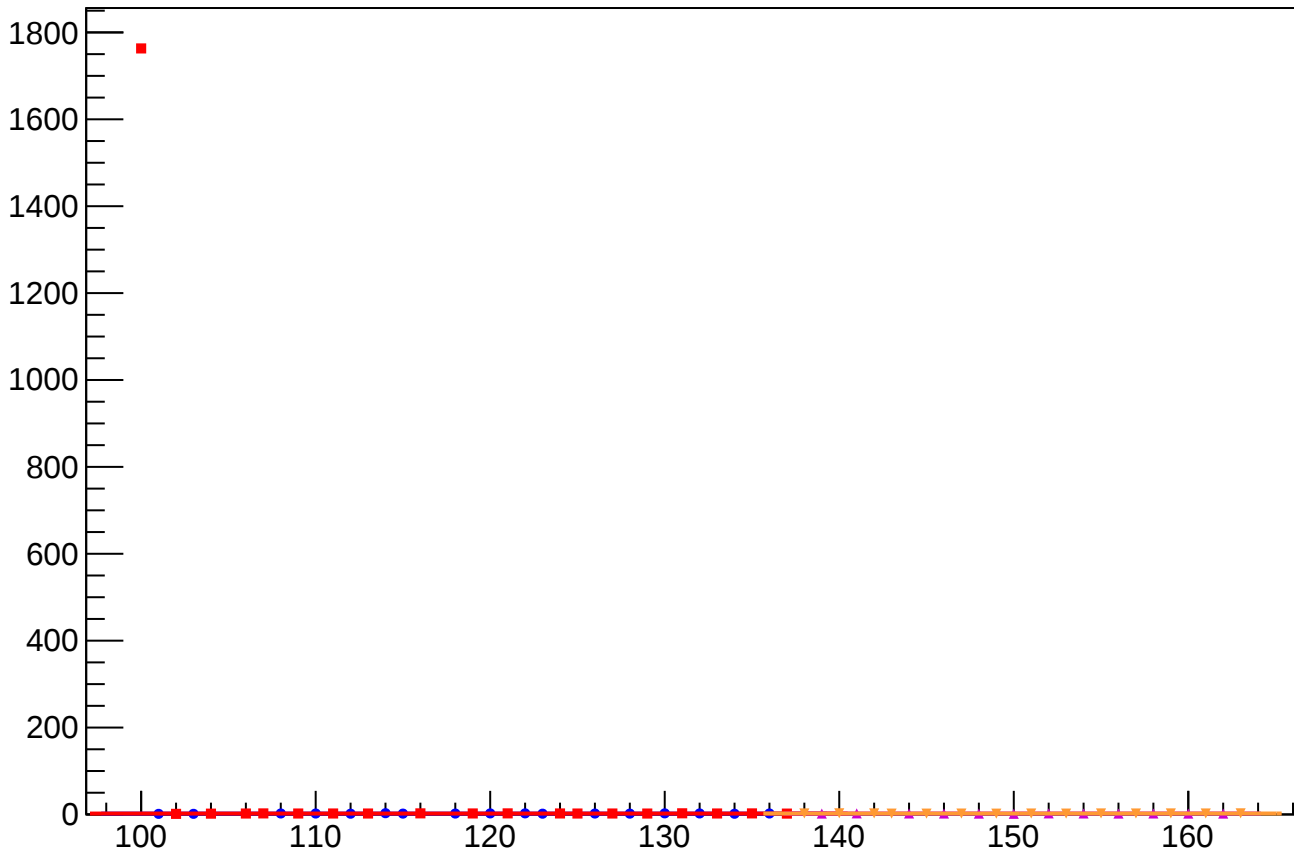
Right: -0.673 ± 0.587 χ^2/NDF : 26.3/35

In: 0.211 ± 0.547 χ^2/NDF : 23.3/28

Out: 0.061 ± 0.554 χ^2/NDF : 34.4/32

All: 0.137 ± 0.389 χ^2/NDF : 57.7/61

asym_dsr_correction_rms vs Slug, Sign Corrected



Right In: 1.869+/-0.001 χ^2/NDF : 493173.6/16

Left Out: 2.176+/-0.001 χ^2/NDF : 209307.1/13

Right Out: 2.065+/-0.001 χ^2/NDF : 525497.0/18

Left In: 2.082+/-0.001 χ^2/NDF : 272355.4/11

Left: 2.130+/-0.000 χ^2/NDF : 497797.8/25

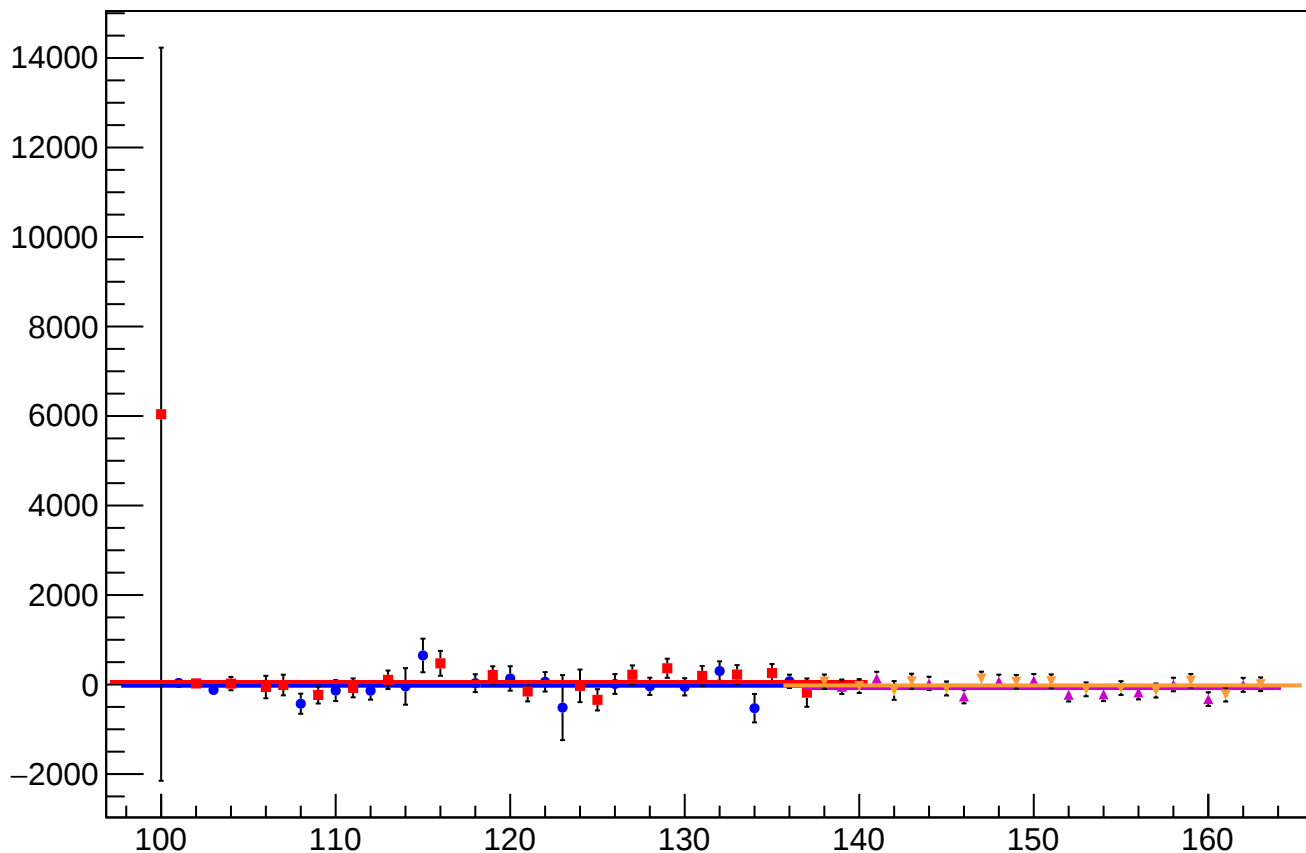
Right: 1.962+/-0.000 χ^2/NDF : 1074296.8/35

In: 1.985+/-0.000 χ^2/NDF : 840853.9/28

Out: 2.129+/-0.000 χ^2/NDF : 754336.5/32

All: 2.056+/-0.000 χ^2/NDF : 1663505.0/61

asym_dsr_mean vs Slug, Sign Corrected



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

Left Out: -19.143+/-42.415 χ^2/NDF : 5.9/13

Right Out: 57.268+/-47.722 χ^2/NDF : 15.5/18

Left In: -78.260+/-44.205 χ^2/NDF : 11.5/11

Left: -47.480+/-30.605 χ^2/NDF : 18.3/25

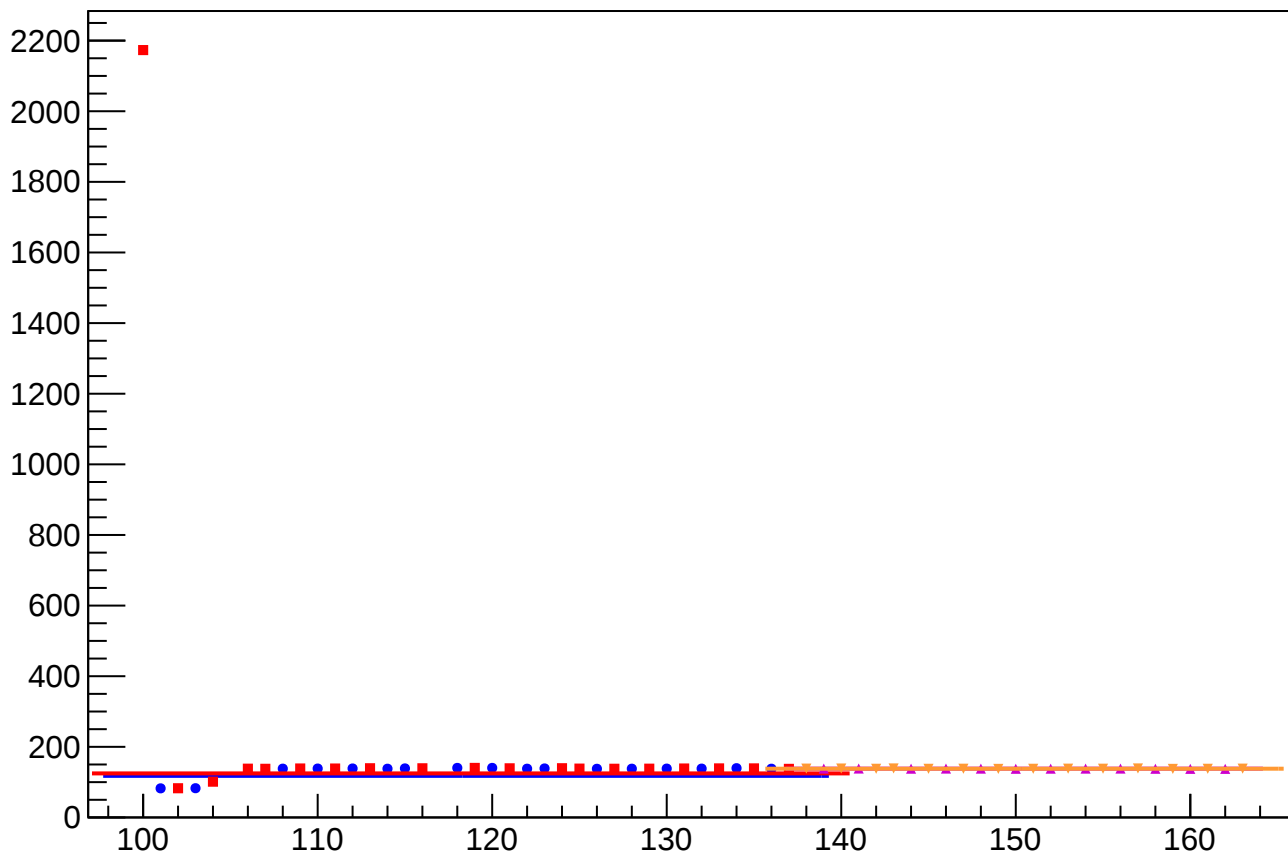
Right: 14.681+/-33.410 χ^2/NDF : 31.4/35

In: -53.735+/-32.132 χ^2/NDF : 26.5/28

Out: 14.579+/-31.703 χ^2/NDF : 22.8/32

All: -19.118+/-22.568 χ^2/NDF : 51.6/61

asym_dsr_rms vs Slug, Sign Corrected



Right In: 117.847+/-0.033 χ^2/NDF : 666622.8/16

Left Out: 138.069+/-0.030 χ^2/NDF : 172.3/13

Right Out: 124.752+/-0.034 χ^2/NDF : 580350.4/18

Left In: 138.164+/-0.031 χ^2/NDF : 91.0/11

Left: 138.114+/-0.022 χ^2/NDF : 268.1/25

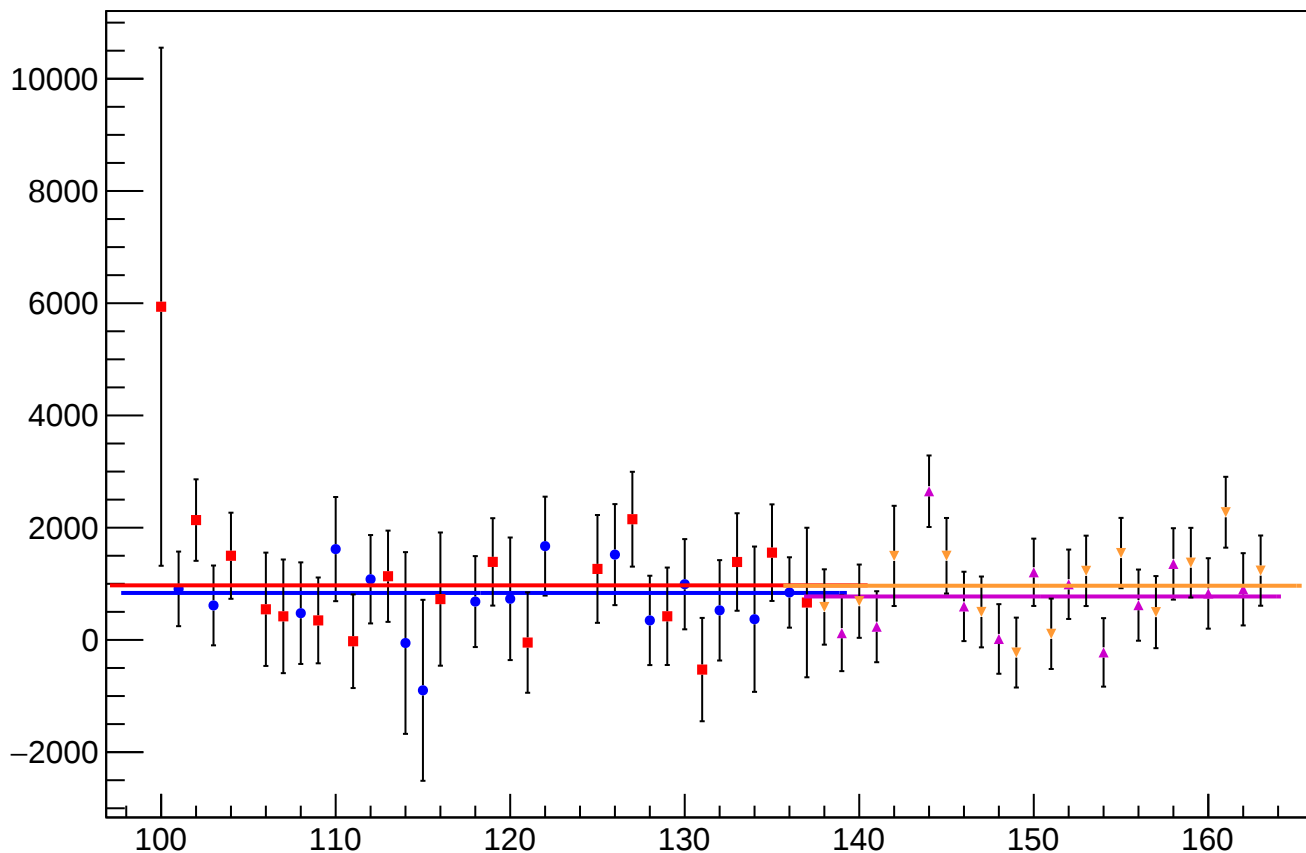
Right: 121.231+/-0.024 χ^2/NDF : 1268326.7/35

In: 128.582+/-0.023 χ^2/NDF : 865964.7/28

Out: 132.192+/-0.022 χ^2/NDF : 667523.7/32

All: 130.411+/-0.016 χ^2/NDF : 1546282.2/61

reg_asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 965.610 $\pm$ 180.089 χ^2 /NDF:14.1/12

Right Out: 972.425 $\pm$ 212.746 χ^2 /NDF: 14.3/17

Left In: 774.132 $\pm$ 181.513 χ^2 /NDF:16.1/11

Left: 870.625 $\pm$ 127.843 χ^2 /NDF: 30.8/24

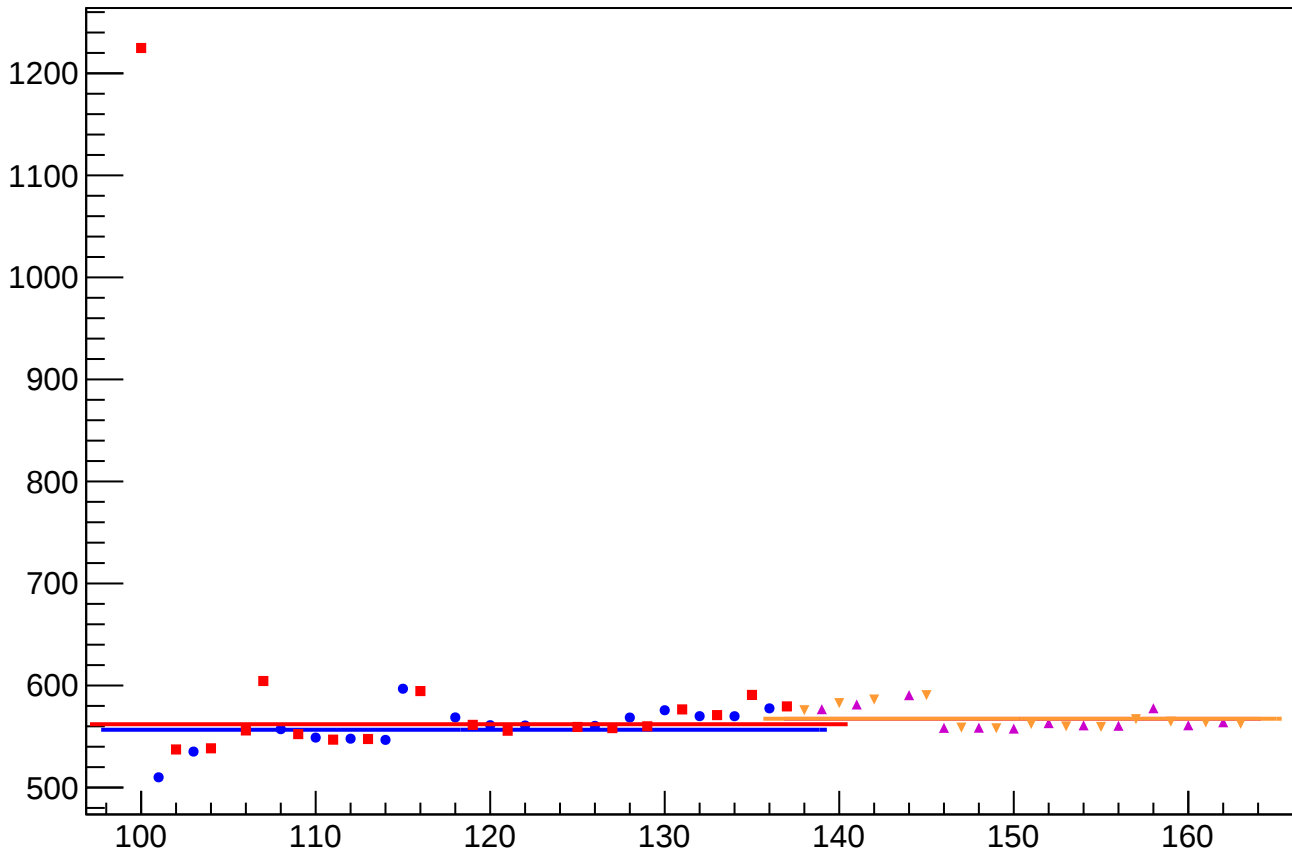
Right: 905.821 $\pm$ 151.634 χ^2 /NDF: 19.2/33

In: 800.147 $\pm$ 139.011 χ^2 /NDF:20.9/27

Out: 968.455 $\pm$ 137.454 χ^2 /NDF:28.3/30

All: 885.248 $\pm$ 97.740 χ^2 /NDF: 50.0/58

reg_asym_left_avg_rms vs Slug, Sign Corrected



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

Left Out: 567.423 $\pm$ 0.127 χ^2 /NDF: 6469.2/12

Right Out: 562.048 $\pm$ 0.150 χ^2 /NDF: 55575.3/17

Left In: 567.258 $\pm$ 0.128 χ^2 /NDF: 6663.3/11

Left: 567.341 $\pm$ 0.090 χ^2 /NDF: 13133.4/24

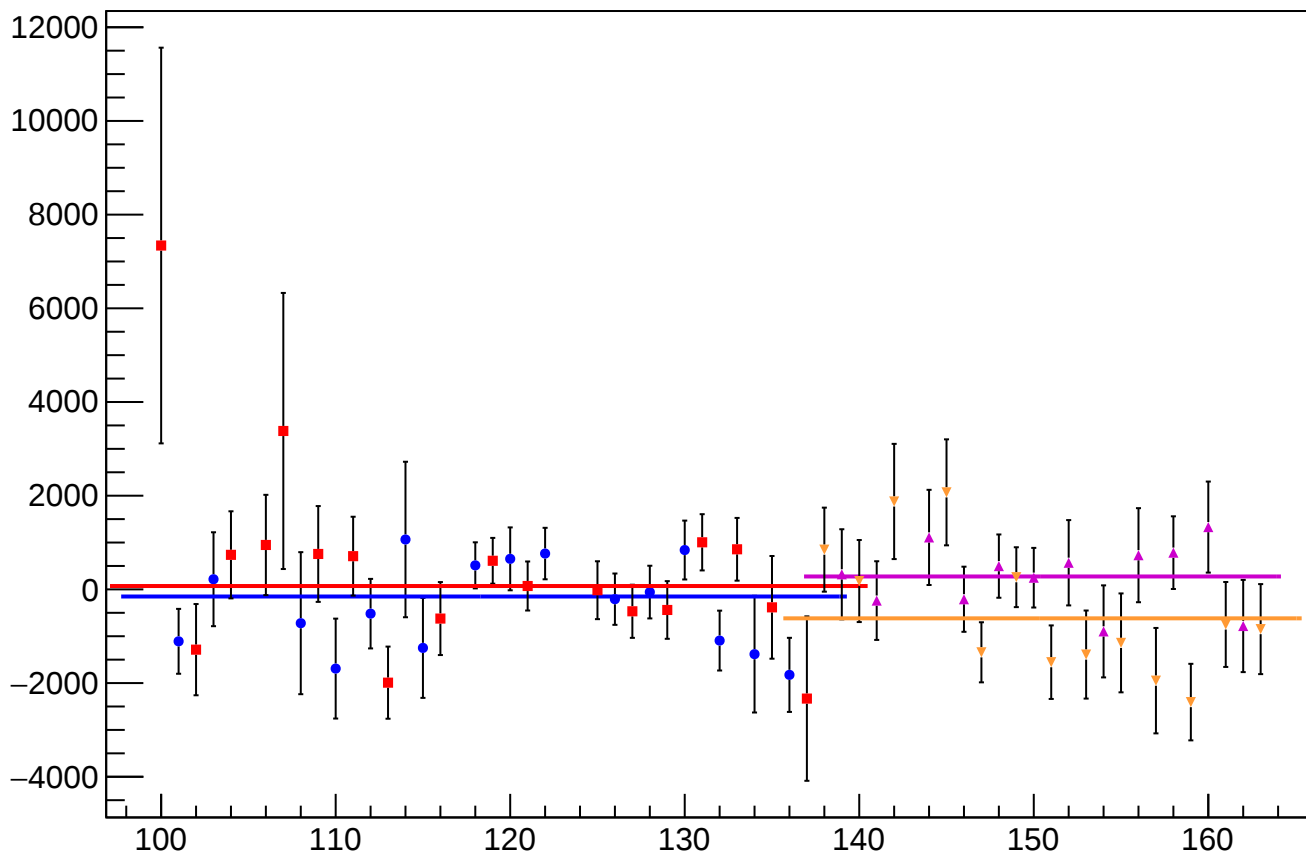
Right: 559.386 $\pm$ 0.107 χ^2 /NDF: 74603.5/33

In: 562.866 $\pm$ 0.098 χ^2 /NDF: 27886.2/27

Out: 565.179 $\pm$ 0.097 χ^2 /NDF: 62788.1/30

All: 564.036 $\pm$ 0.069 χ^2 /NDF: 90954.2/58

asym_left_avg_correction_mean vs Slug, Sign Corrected



Right In: -151.876+/-180.078 χ^2/NDF : 22.3/15

Left Out: -618.203+/-241.763 χ^2/NDF : 25.0/12

Right Out: 71.760+/-178.665 χ^2/NDF : 25.0/17

Left In: 275.717+/-241.230 χ^2/NDF : 6.1/11

Left: -170.255+/-170.764 χ^2/NDF : 38.0/24

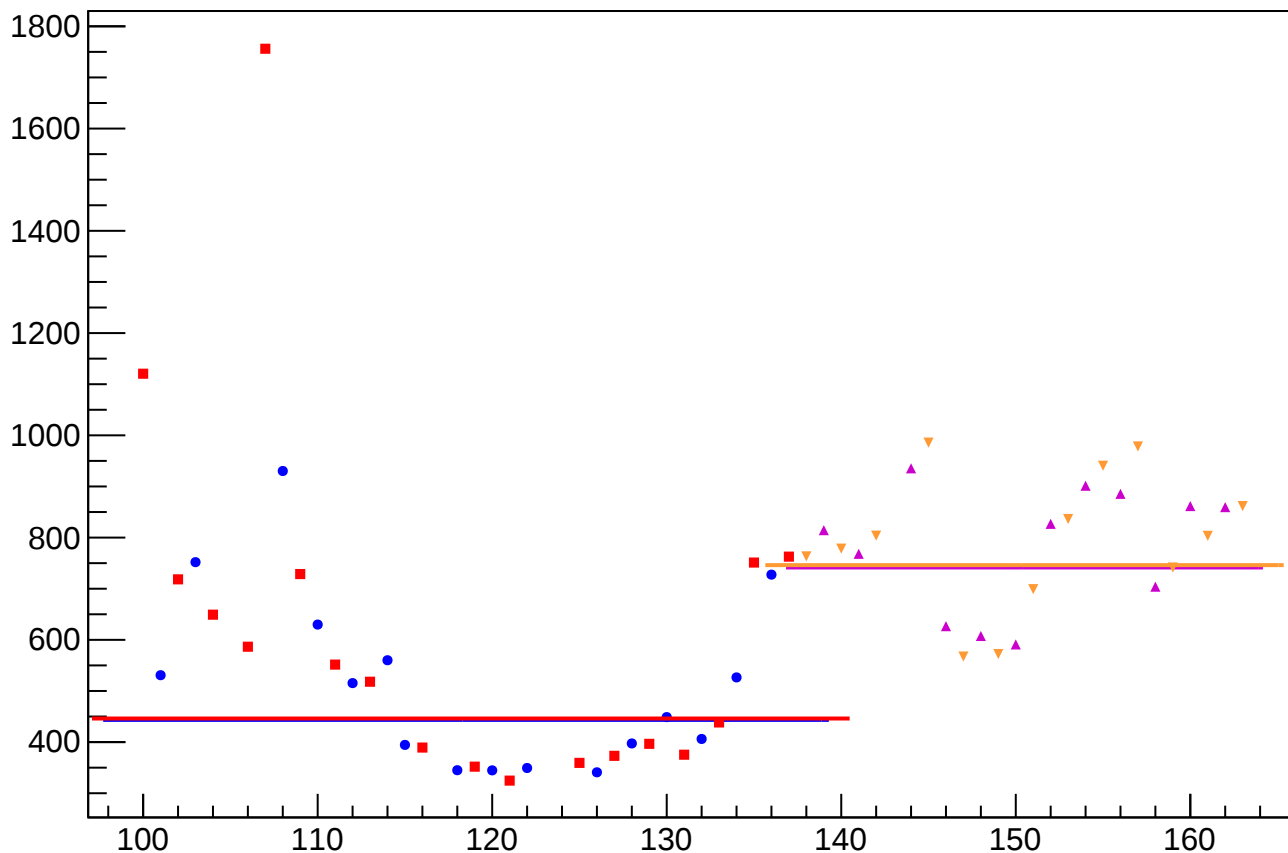
Right: -39.177+/-126.832 χ^2/NDF : 48.1/33

In: 1.137+/-144.304 χ^2/NDF : 30.5/27

Out: -171.953+/-143.687 χ^2/NDF : 55.3/30

All: -85.779+/-101.820 χ^2/NDF : 86.5/58

asym_left_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 746.128+/-0.171 χ^2/NDF : 616582.2/12

Right Out: 446.147+/-0.126 χ^2/NDF : 1459986.4/17

Left In: 741.555+/-0.171 χ^2/NDF : 507226.4/11

Left: 743.836+/-0.121 χ^2/NDF : 1124167.2/24

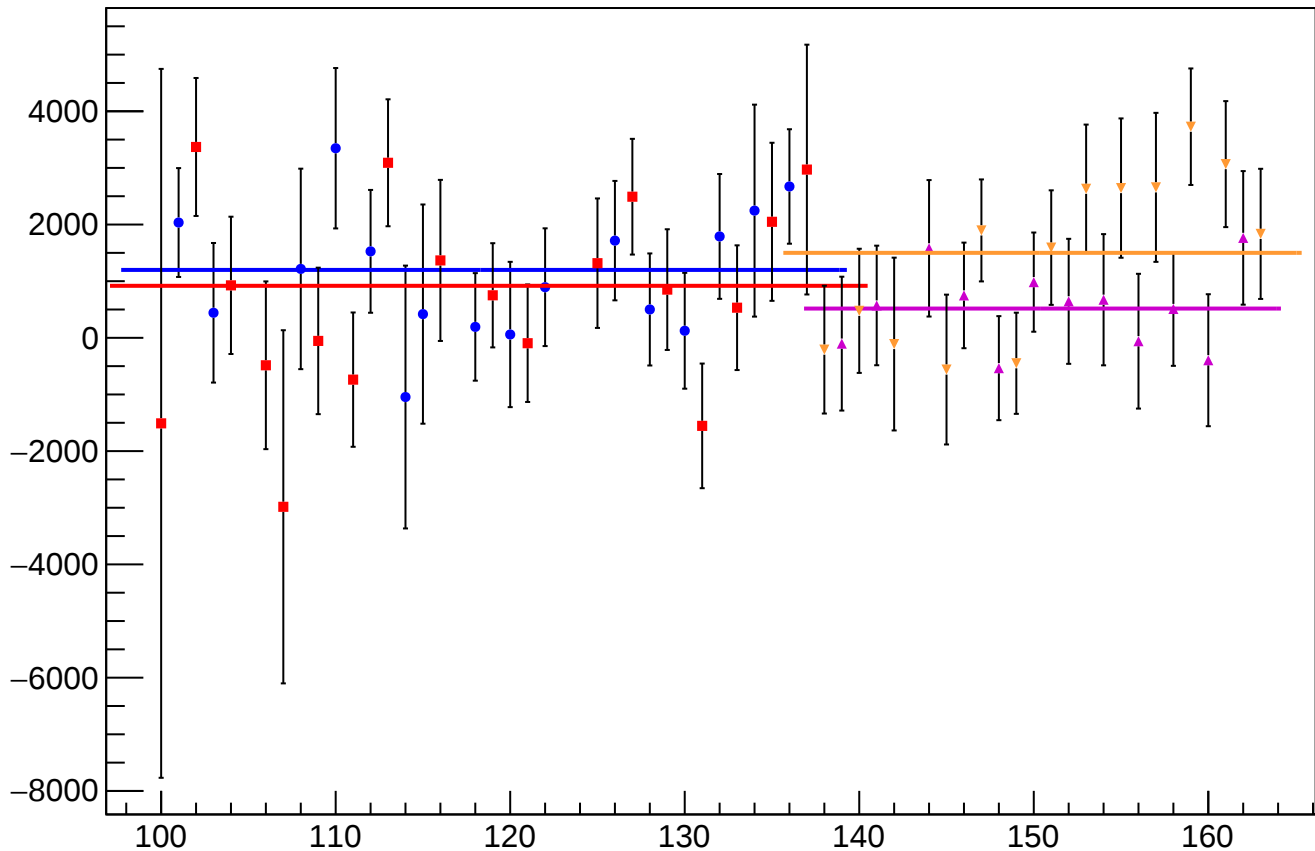
Right: 444.809+/-0.090 χ^2/NDF : 2521153.2/33

In: 550.127+/-0.102 χ^2/NDF : 3529461.7/27

Out: 552.108+/-0.102 χ^2/NDF : 4068109.6/30

All: 551.122+/-0.072 χ^2/NDF : 7597760.6/58

asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 1500.428 $\pm$ 306.940 χ^2/NDF : 21.1/12

Right Out: 918.412 $\pm$ 293.294 χ^2/NDF : 23.2/17

Left In: 516.720 $\pm$ 306.245 χ^2/NDF : 4.7/11

Left: 1007.459 $\pm$ 216.793 χ^2/NDF : 30.9/24

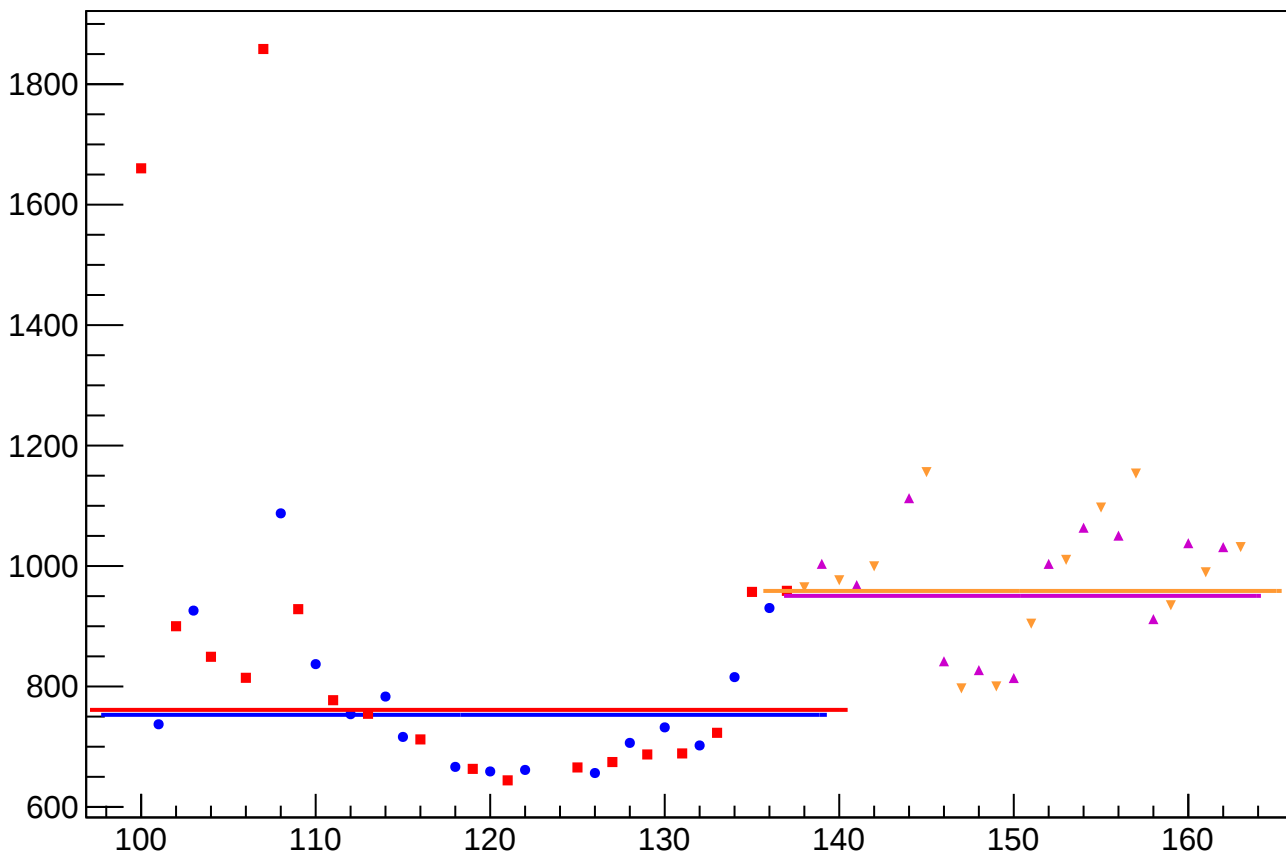
Right: 1057.763 $\pm$ 208.076 χ^2/NDF : 34.9/33

In: 870.321 $\pm$ 212.551 χ^2/NDF : 18.5/27

Out: 1196.195 $\pm$ 212.050 χ^2/NDF : 46.2/30

All: 1033.643 $\pm$ 150.119 χ^2/NDF : 65.8/58

asym_left_avg_rms vs Slug, Sign Corrected



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

Left Out: 958.650+/-0.217 χ^2/NDF : 263941.1/12

Right Out: 761.160+/-0.207 χ^2/NDF : 517136.7/17

Left In: 950.469+/-0.217 χ^2/NDF : 214080.7/11

Left: 954.550+/-0.153 χ^2/NDF : 478733.9/24

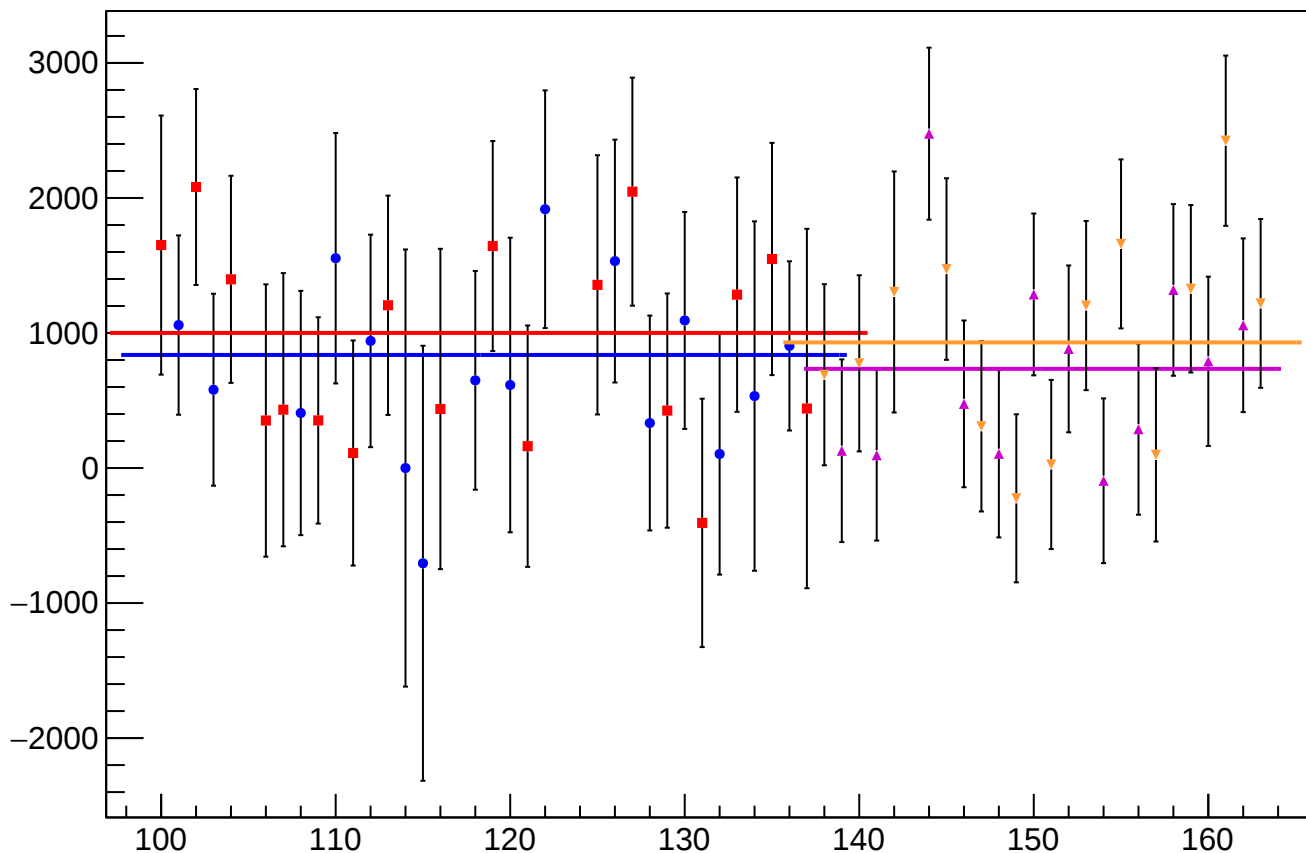
Right: 757.076+/-0.147 χ^2/NDF : 770443.9/33

In: 848.091+/-0.150 χ^2/NDF : 897860.3/27

Out: 855.418+/-0.150 χ^2/NDF : 1213873.9/30

All: 851.763+/-0.106 χ^2/NDF : 2112925.1/58

reg_asym_left_dd_mean vs Slug, Sign Corrected



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

Left Out: 930.290 ± 179.927 $\chi^2/\text{NDF}: 17.0/12$

Right Out: 1000.617 ± 207.748 $\chi^2/\text{NDF}: 12.5/17$

Left In: 734.380 ± 181.373 $\chi^2/\text{NDF}: 14.9/11$

Left: 833.120 ± 127.736 $\chi^2/\text{NDF}: 32.4/24$

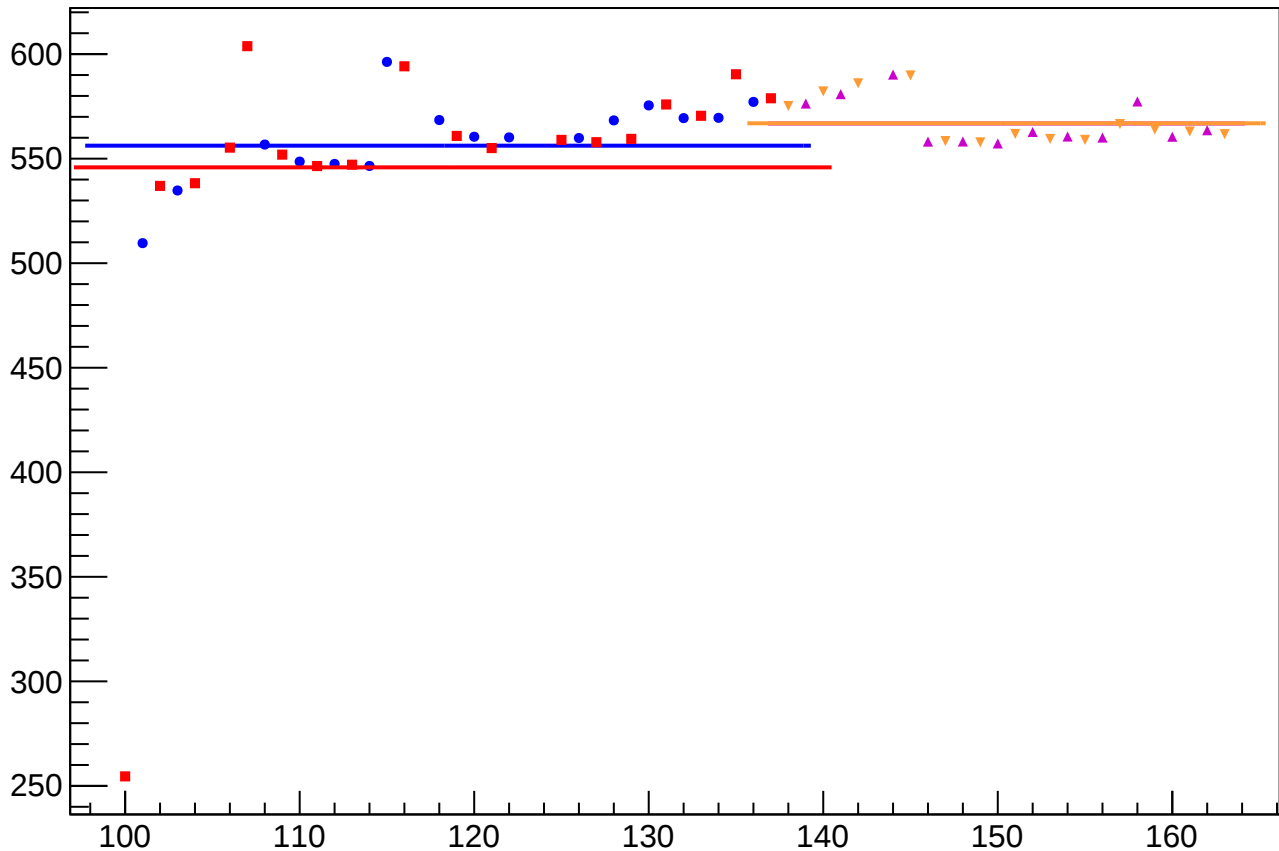
Right: 922.267 ± 149.737 $\chi^2/\text{NDF}: 18.5/33$

In: 777.042 ± 138.904 $\chi^2/\text{NDF}: 20.7/27$

Out: 960.433 ± 136.008 $\chi^2/\text{NDF}: 29.6/30$

All: 870.669 ± 97.180 $\chi^2/\text{NDF}: 51.2/58$

reg_asym_left_dd_rms vs Slug, Sign Corrected



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

Left Out: 566.912 ± 0.127 χ^2/NDF : 6427.0/12

Right Out: 545.844 ± 0.147 χ^2/NDF : 207640.3/17

Left In: 566.821 ± 0.128 χ^2/NDF : 6692.5/11

Left: 566.867 ± 0.090 χ^2/NDF : 13119.8/24

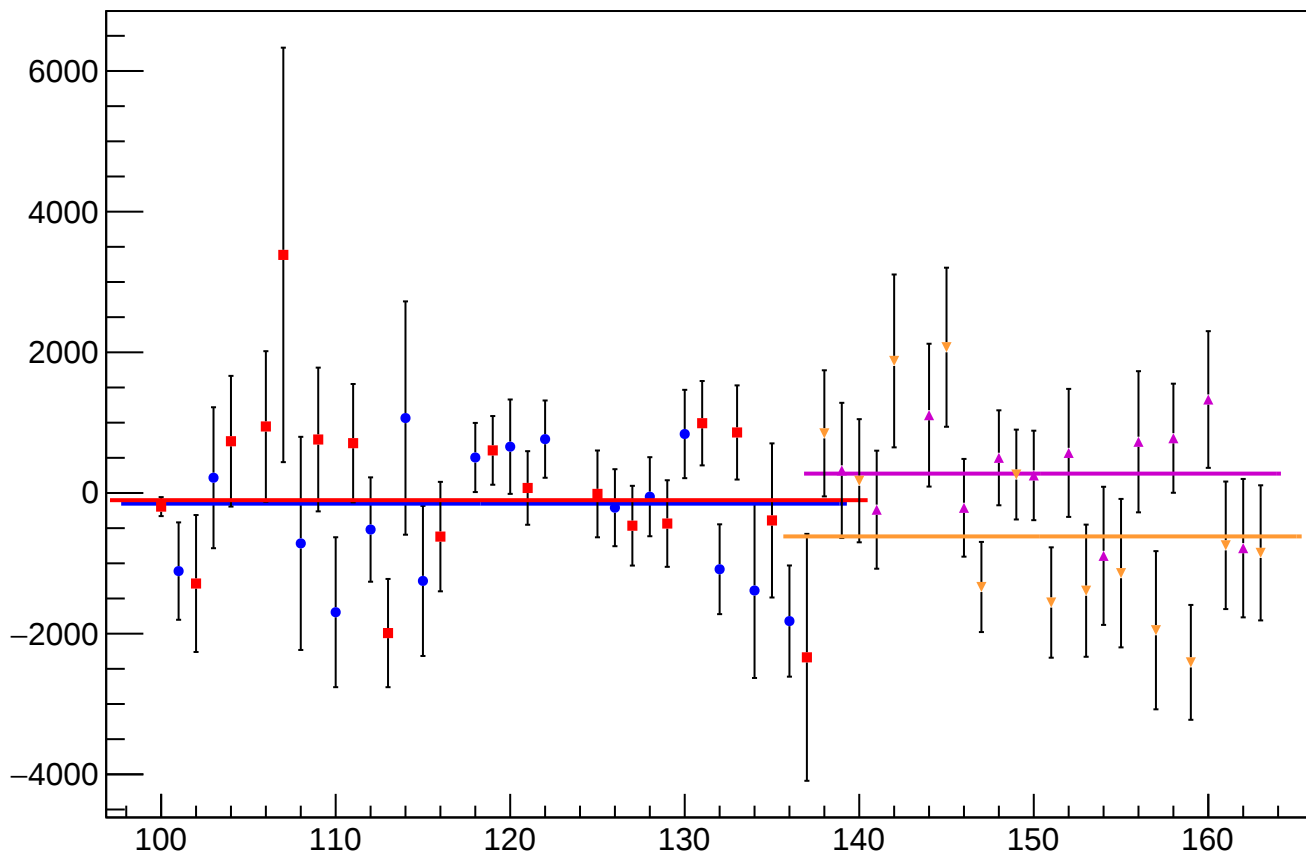
Right: 550.825 ± 0.106 χ^2/NDF : 228450.1/33

In: 562.433 ± 0.098 χ^2/NDF : 27940.0/27

Out: 557.882 ± 0.096 χ^2/NDF : 225819.7/30

All: 560.110 ± 0.069 χ^2/NDF : 254855.7/58

asym_left_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -617.369 $\pm$ 241.654 χ^2/NDF : 25.1/12

Right Out: -102.079 $\pm$ 107.707 χ^2/NDF : 23.2/17

Left In: 275.546 $\pm$ 241.114 χ^2/NDF : 6.1/11

Left: -169.913 $\pm$ 170.684 χ^2/NDF : 38.0/24

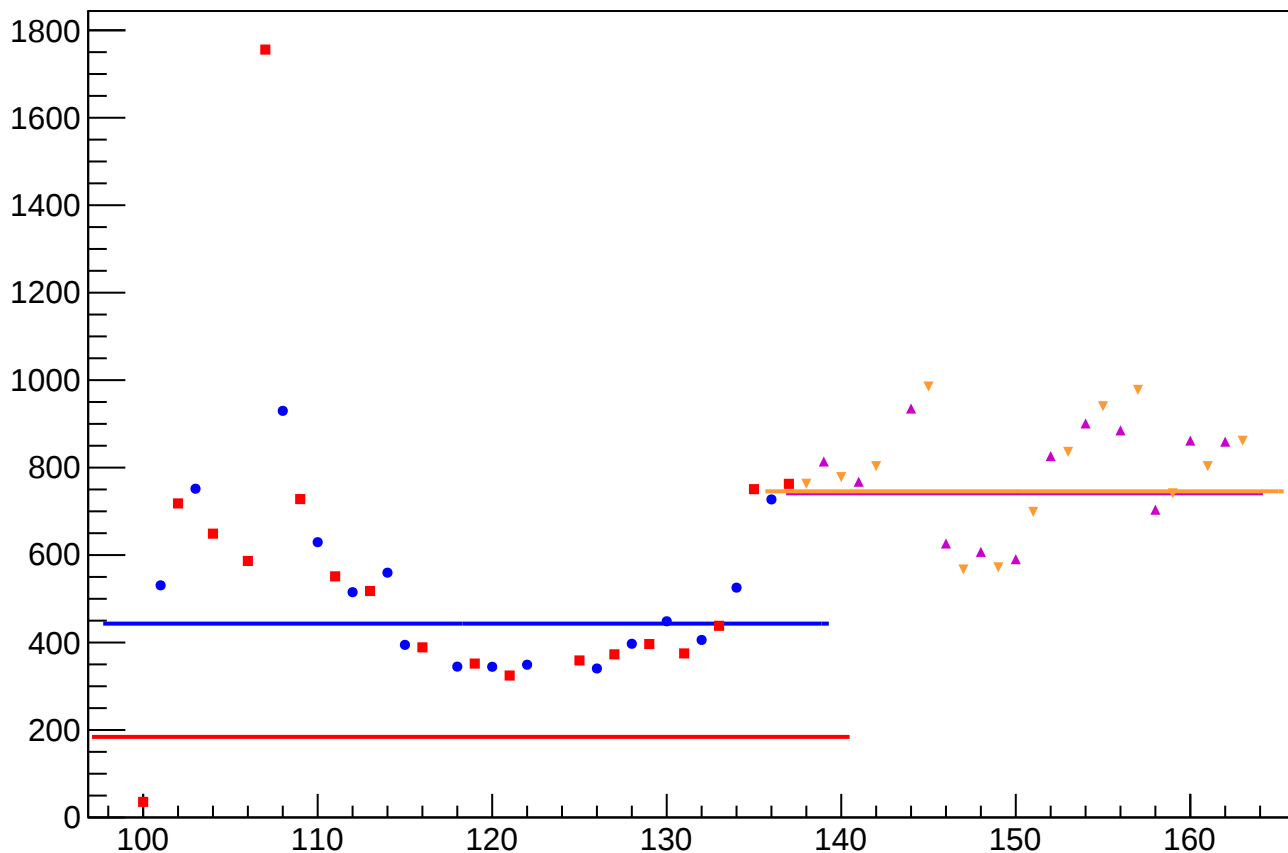
Right: -115.099 $\pm$ 92.423 χ^2/NDF : 45.6/33

In: 1.343 $\pm$ 144.235 χ^2/NDF : 30.4/27

Out: -187.479 $\pm$ 98.378 χ^2/NDF : 52.1/30

All: -127.527 $\pm$ 81.273 χ^2/NDF : 83.7/58

asym_left_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 745.789+/-0.171 χ^2/NDF : 617014.4/12

Right Out: 184.215+/-0.076 χ^2/NDF : 8079776.8/17

Left In: 741.197+/-0.170 χ^2/NDF : 507480.7/11

Left: 743.488+/-0.121 χ^2/NDF : 1124856.9/24

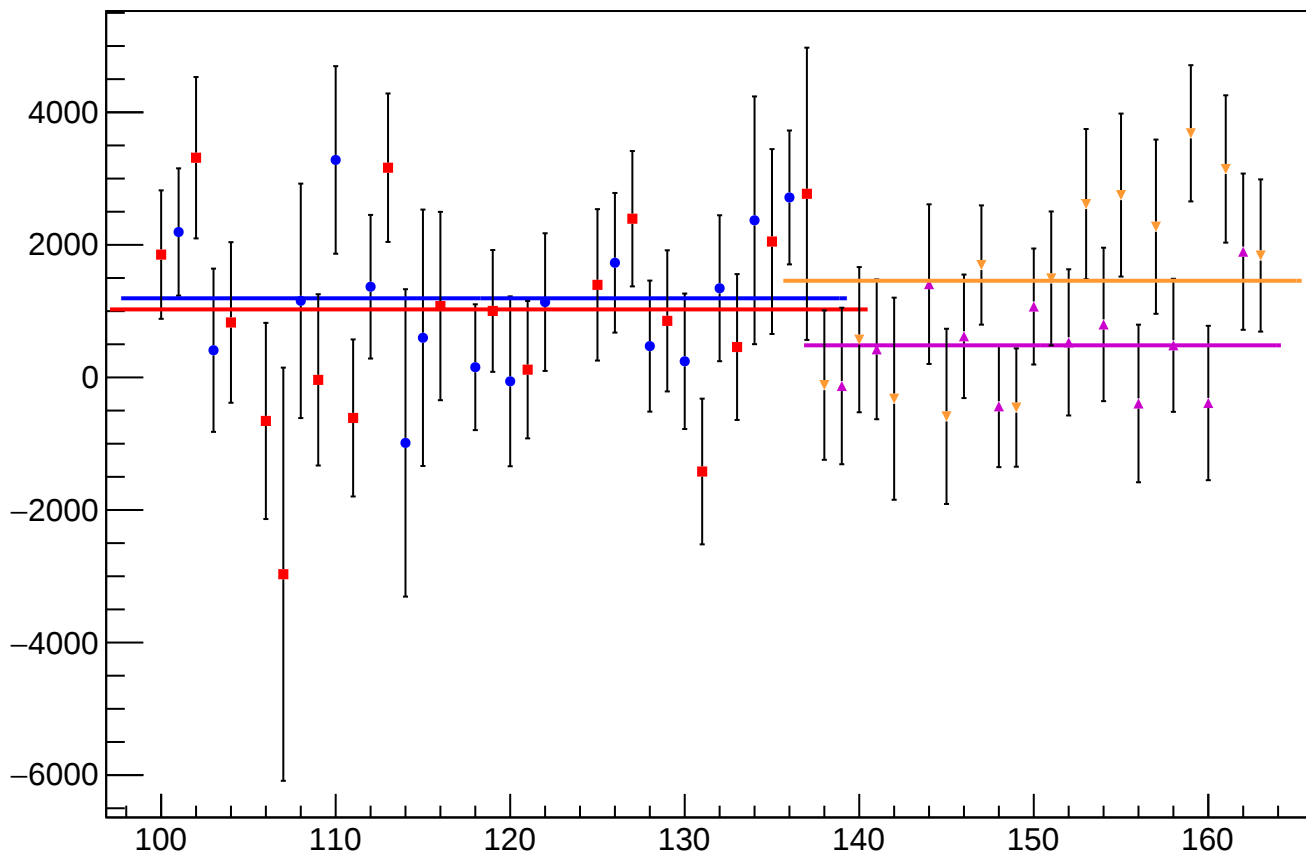
Right: 252.512+/-0.065 χ^2/NDF : 12190461.3/33

In: 549.862+/-0.102 χ^2/NDF : 3529510.2/27

Out: 277.286+/-0.070 χ^2/NDF : 17707537.7/30

All: 363.831+/-0.057 χ^2/NDF : 26111939.3/58

asym_left_dd_mean vs Slug, Sign Corrected



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

Left Out: 1458.509 $\pm$ 306.759 χ^2 /NDF:20.7/12

Right Out: 1026.130 $\pm$ 280.822 χ^2 /NDF: 22.5/17

Left In: 484.211 $\pm$ 306.066 χ^2 /NDF:4.9/11

Left: 970.258 $\pm$ 216.666 χ^2 /NDF: 30.7/24

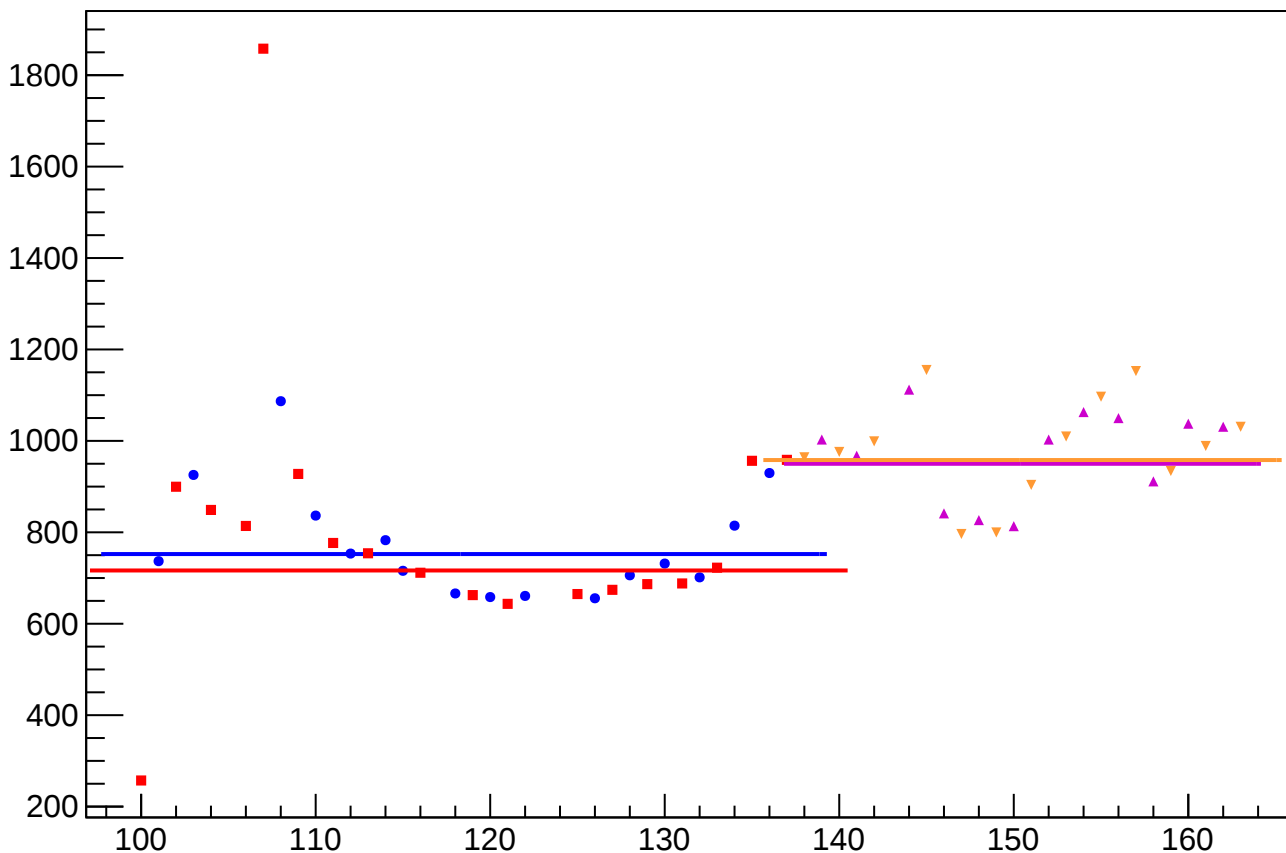
Right: 1105.849 $\pm$ 203.414 χ^2 /NDF: 33.9/33

In: 852.036 $\pm$ 212.418 χ^2 /NDF:18.9/27

Out: 1223.270 $\pm$ 207.135 χ^2 /NDF:44.3/30

All: 1042.327 $\pm$ 148.299 χ^2 /NDF: 64.8/58

asym_left_dd_rms vs Slug, Sign Corrected



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

Left Out: 958.089+/-0.217 χ^2/NDF : 263879.3/12

Right Out: 716.522+/-0.199 χ^2/NDF : 966934.7/17

Left In: 949.909+/-0.216 χ^2/NDF : 214232.8/11

Left: 953.989+/-0.153 χ^2/NDF : 478824.8/24

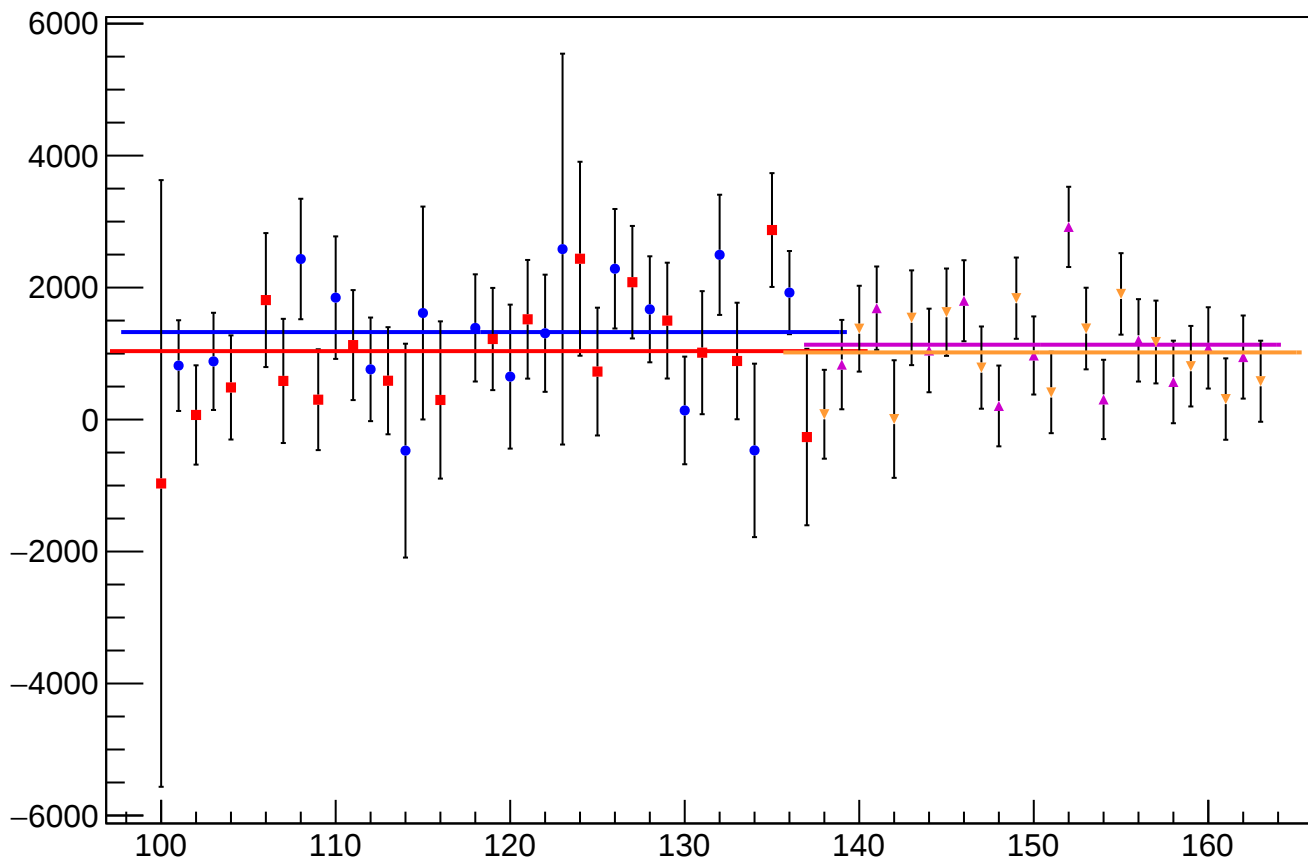
Right: 733.589+/-0.144 χ^2/NDF : 1235181.4/33

In: 847.549+/-0.150 χ^2/NDF : 898506.1/27

Out: 826.663+/-0.146 χ^2/NDF : 1905578.9/30

All: 836.843+/-0.105 χ^2/NDF : 2813996.7/58

reg_asym_right_avg_mean vs Slug, Sign Corrected



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

Left Out: 1017.439 $\pm$ 172.437 χ^2 /NDF:12.2/13

Right Out: 1037.028 $\pm$ 211.583 χ^2 /NDF: 13.4/18

Left In: 1134.206 $\pm$ 179.293 χ^2 /NDF:16.0/11

Left: 1073.547 $\pm$ 124.284 χ^2 /NDF: 28.4/25

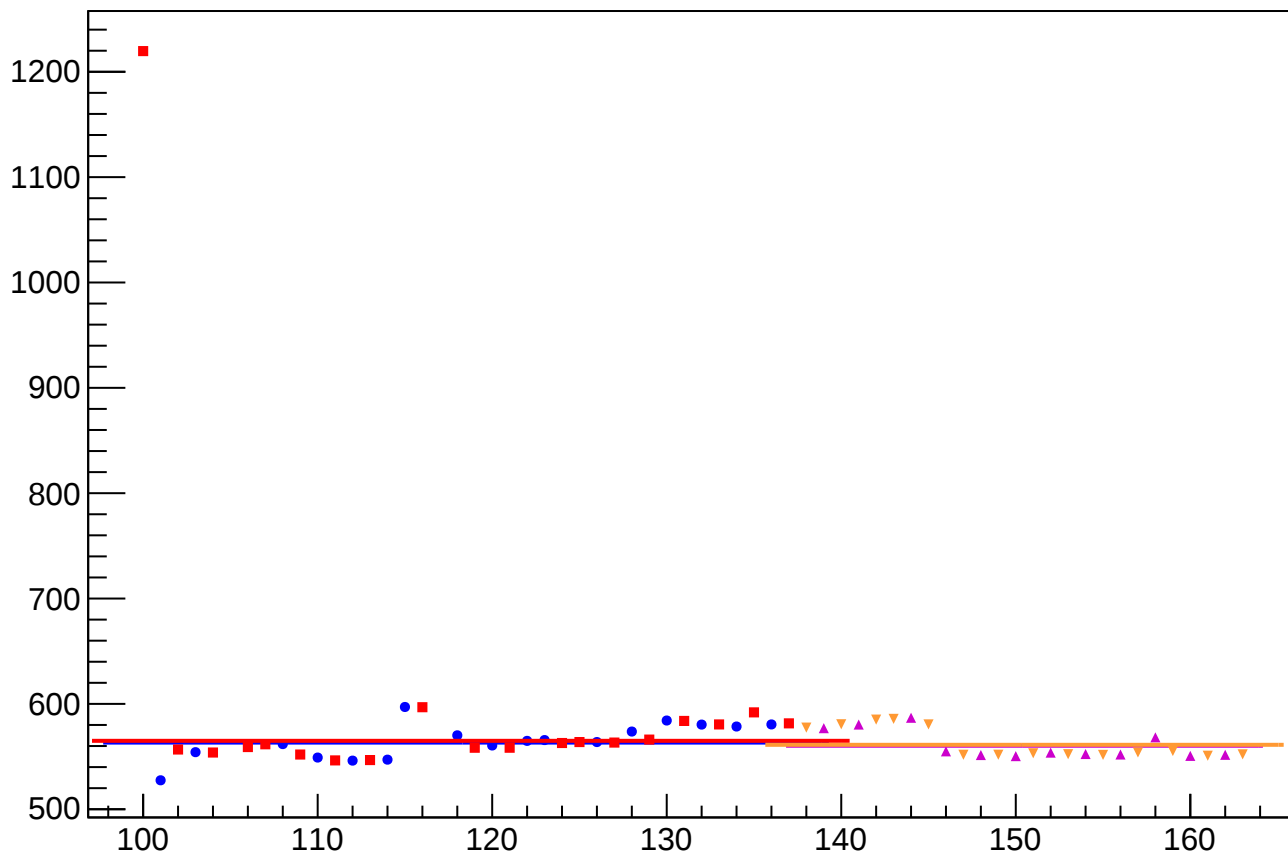
Right: 1177.020 $\pm$ 151.865 χ^2 /NDF: 27.2/35

In: 1211.457 $\pm$ 138.502 χ^2 /NDF:29.3/28

Out: 1025.257 $\pm$ 133.668 χ^2 /NDF:25.6/32

All: 1115.051 $\pm$ 96.181 χ^2 /NDF: 55.9/61

reg_asym_right_avg_rms vs Slug, Sign Corrected



Right In: 563.266+/-0.154 χ^2/NDF : 12520.3/16

Left Out: 561.157+/-0.122 χ^2/NDF :12096.6/13

Right Out: 564.944+/-0.150 χ^2/NDF : 49295.9/18

Left In: 560.271+/-0.127 χ^2/NDF :9991.7/11

Left: 560.731+/-0.088 χ^2/NDF : 22113.6/25

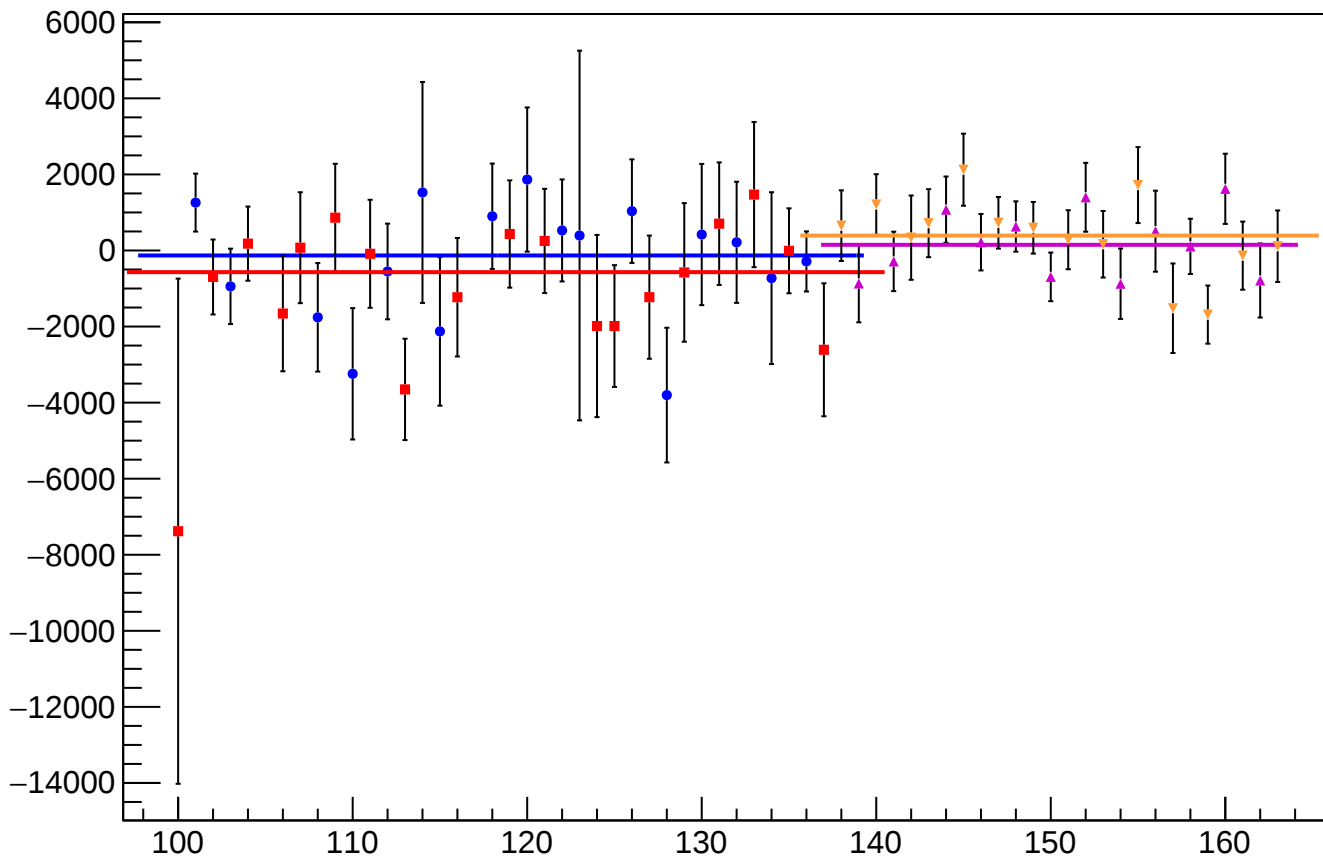
Right: 564.130+/-0.107 χ^2/NDF : 61877.2/35

In: 561.479+/-0.098 χ^2/NDF :22736.9/28

Out: 562.668+/-0.095 χ^2/NDF :61777.5/32

All: 562.095+/-0.068 χ^2/NDF : 84590.8/61

asym_right_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 392.054+/-229.209 χ^2/NDF : 17.3/13

Right Out: -569.844+/-332.404 χ^2/NDF : 14.6/18

Left In: 148.895+/-236.749 χ^2/NDF : 11.4/11

Left: 274.408+/-164.676 χ^2/NDF : 29.2/25

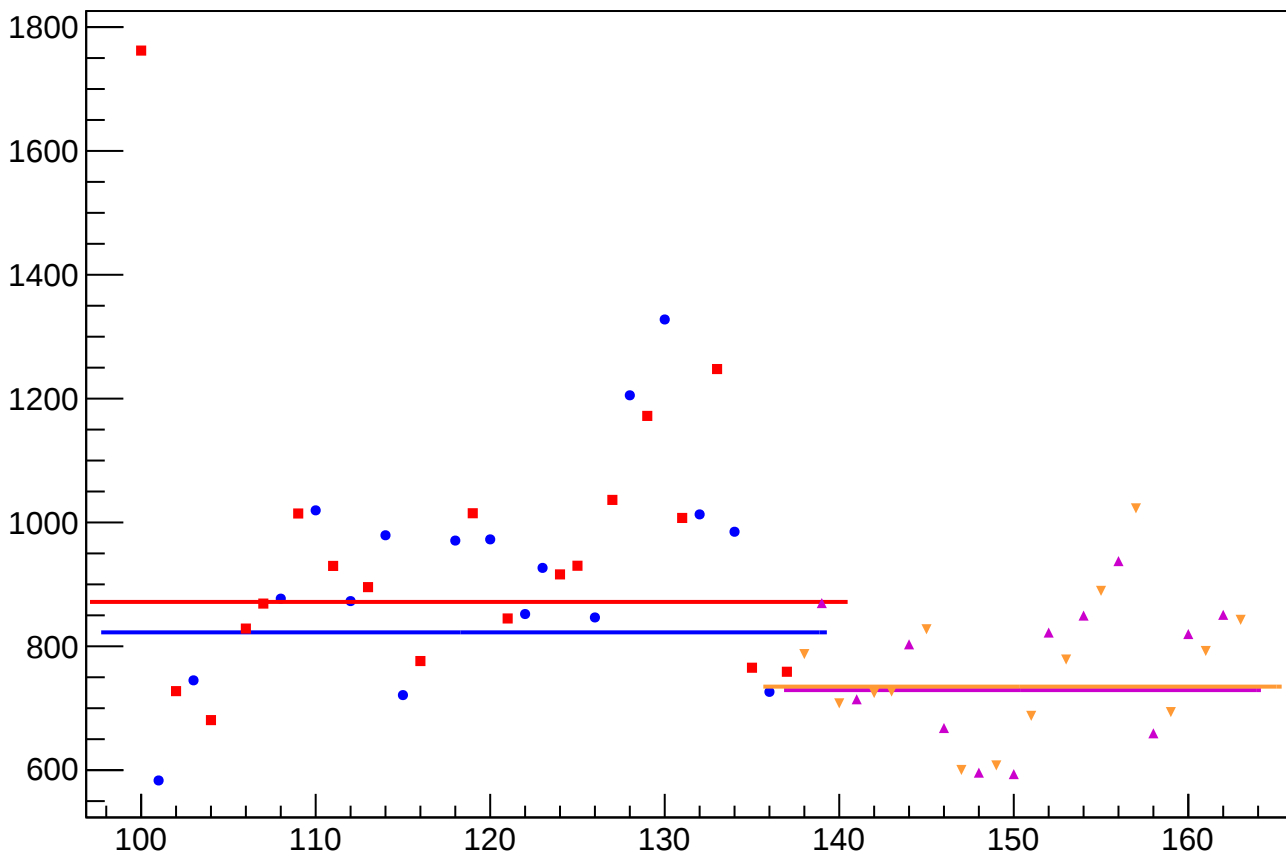
Right: -347.269+/-233.324 χ^2/NDF : 32.7/35

In: 52.830+/-191.884 χ^2/NDF : 29.1/28

Out: 82.080+/-188.697 χ^2/NDF : 37.5/32

All: 67.700+/-134.541 χ^2/NDF : 66.6/61

asym_right_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 734.884+/-0.162 χ^2/NDF : 397366.9/13

Right Out: 871.679+/-0.235 χ^2/NDF : 406857.8/18

Left In: 729.274+/-0.167 χ^2/NDF : 437855.7/11

Left: 732.170+/-0.116 χ^2/NDF : 835802.3/25

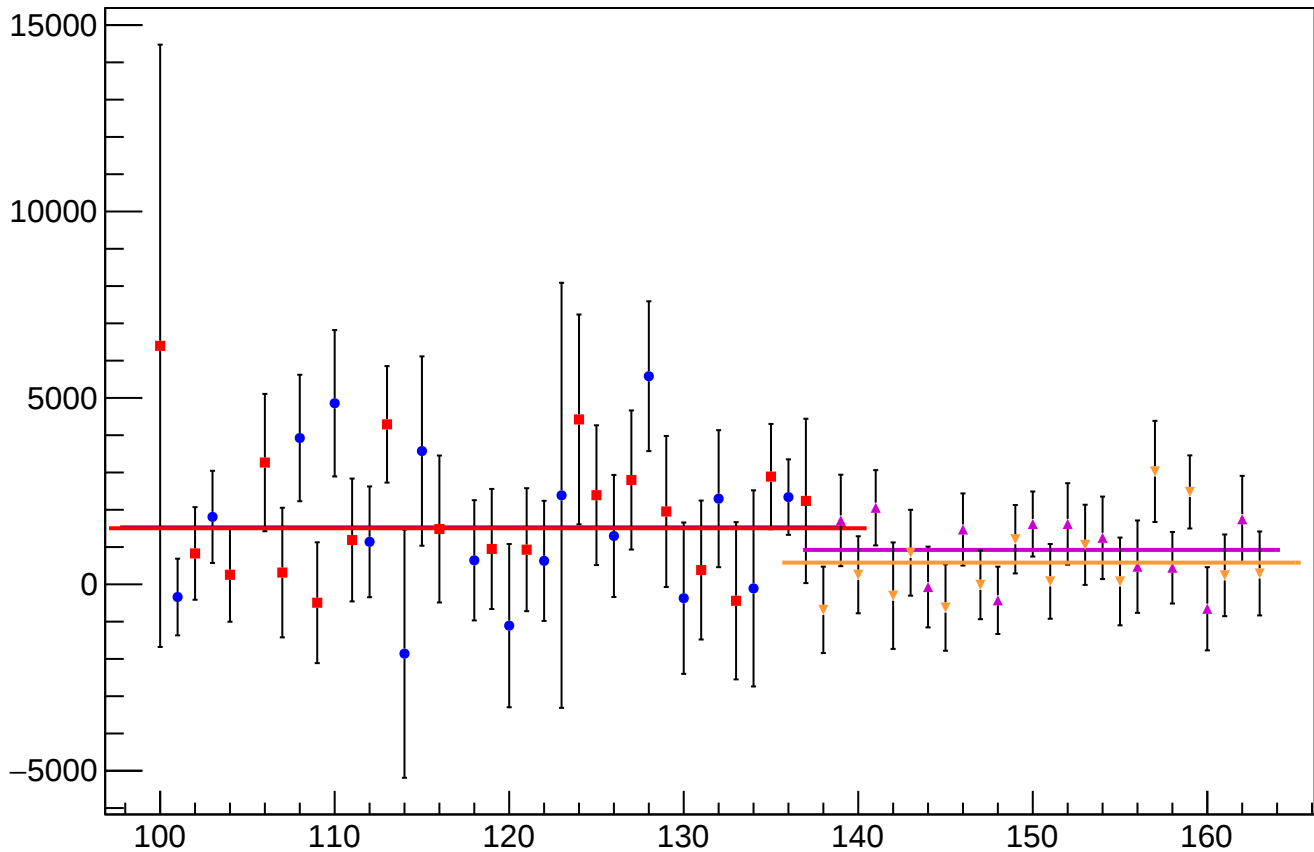
Right: 846.744+/-0.165 χ^2/NDF : 1029998.2/35

In: 761.269+/-0.136 χ^2/NDF : 1145275.0/28

Out: 778.967+/-0.133 χ^2/NDF : 1033788.9/32

All: 770.266+/-0.095 χ^2/NDF : 2187713.0/61

asym_right_avg_mean vs Slug, Sign Corrected



Right In: 1525.470+/-401.784 χ^2/NDF : 18.2/16

Left Out: 583.096+/-290.852 χ^2/NDF : 11.5/13

Right Out: 1504.406+/-399.953 χ^2/NDF : 12.1/18

Left In: 923.679+/-300.952 χ^2/NDF : 9.1/11

Left: 747.577+/-209.143 χ^2/NDF : 21.2/25

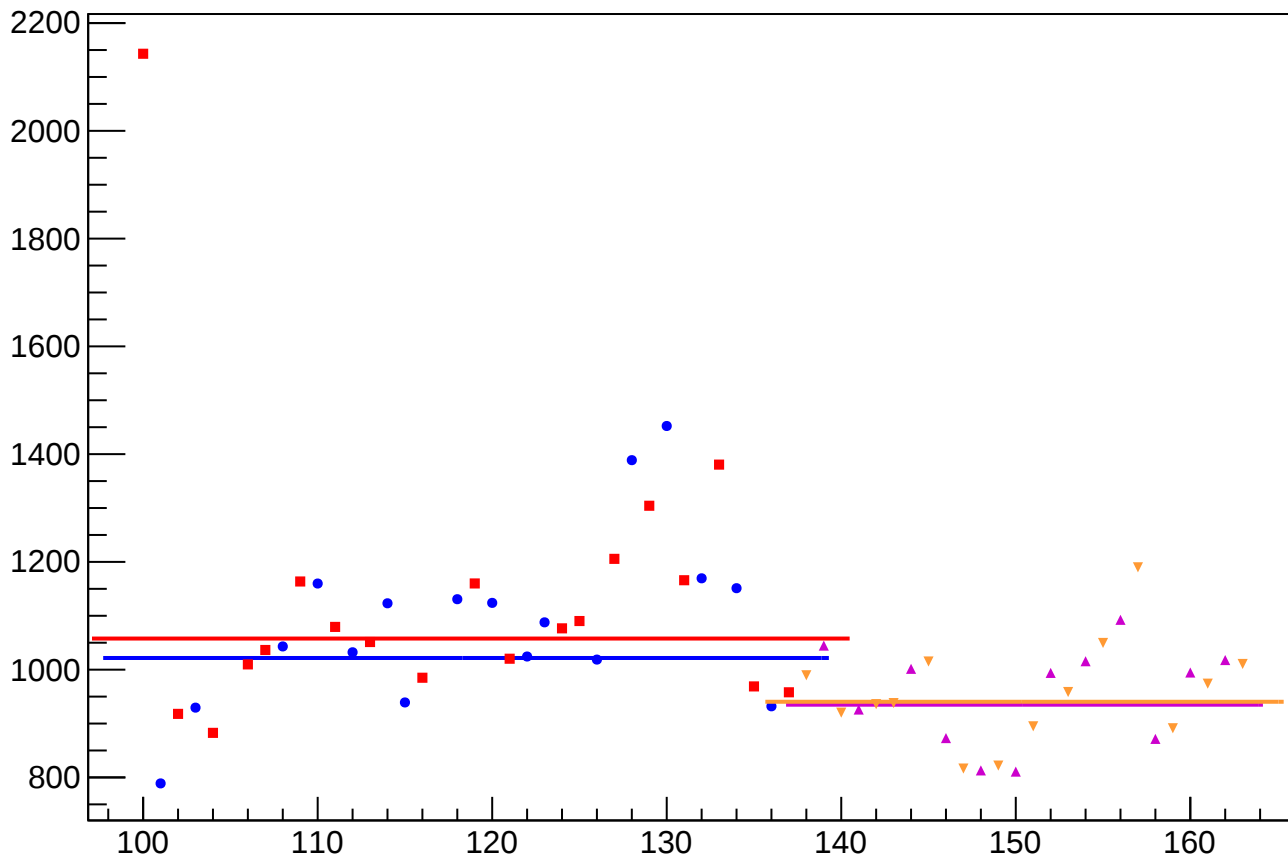
Right: 1514.890+/-283.454 χ^2/NDF : 30.4/35

In: 1139.969+/-240.873 χ^2/NDF : 28.8/28

Out: 901.787+/-235.229 χ^2/NDF : 27.1/32

All: 1018.055+/-168.292 χ^2/NDF : 56.3/61

asym_right_avg_rms vs Slug, Sign Corrected



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

Left Out: 940.418+/-0.206 χ^2/NDF :186369.5/13

Right Out: 1057.748+/-0.283 χ^2/NDF : 230944.1/18

Left In: 934.984+/-0.213 χ^2/NDF :182390.9/11

Left: 937.794+/-0.148 χ^2/NDF : 369097.5/25

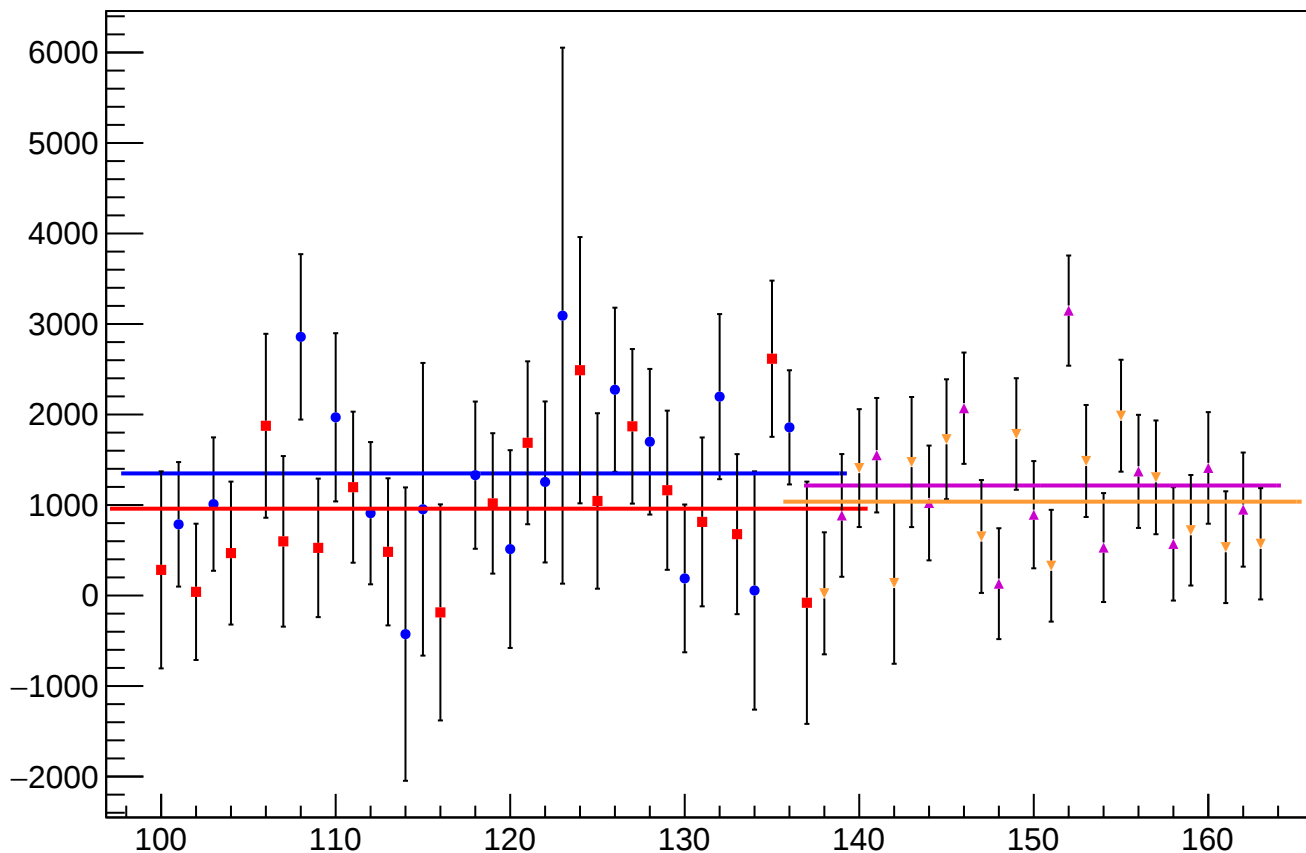
Right: 1039.788+/-0.200 χ^2/NDF : 570995.5/35

In: 966.138+/-0.170 χ^2/NDF :573970.5/28

Out: 981.004+/-0.166 χ^2/NDF :529893.9/32

All: 973.747+/-0.119 χ^2/NDF : 1107763.6/61

reg_asym_right_dd_mean vs Slug, Sign Corrected



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

Left Out: 1037.083 $\pm$ 172.609 χ^2 /NDF:12.8/13

Right Out: 959.496 $\pm$ 208.143 χ^2 /NDF: 12.2/18

Left In: 1215.665 $\pm$ 179.483 χ^2 /NDF:18.7/11

Left: 1122.889 $\pm$ 124.412 χ^2 /NDF: 32.1/25

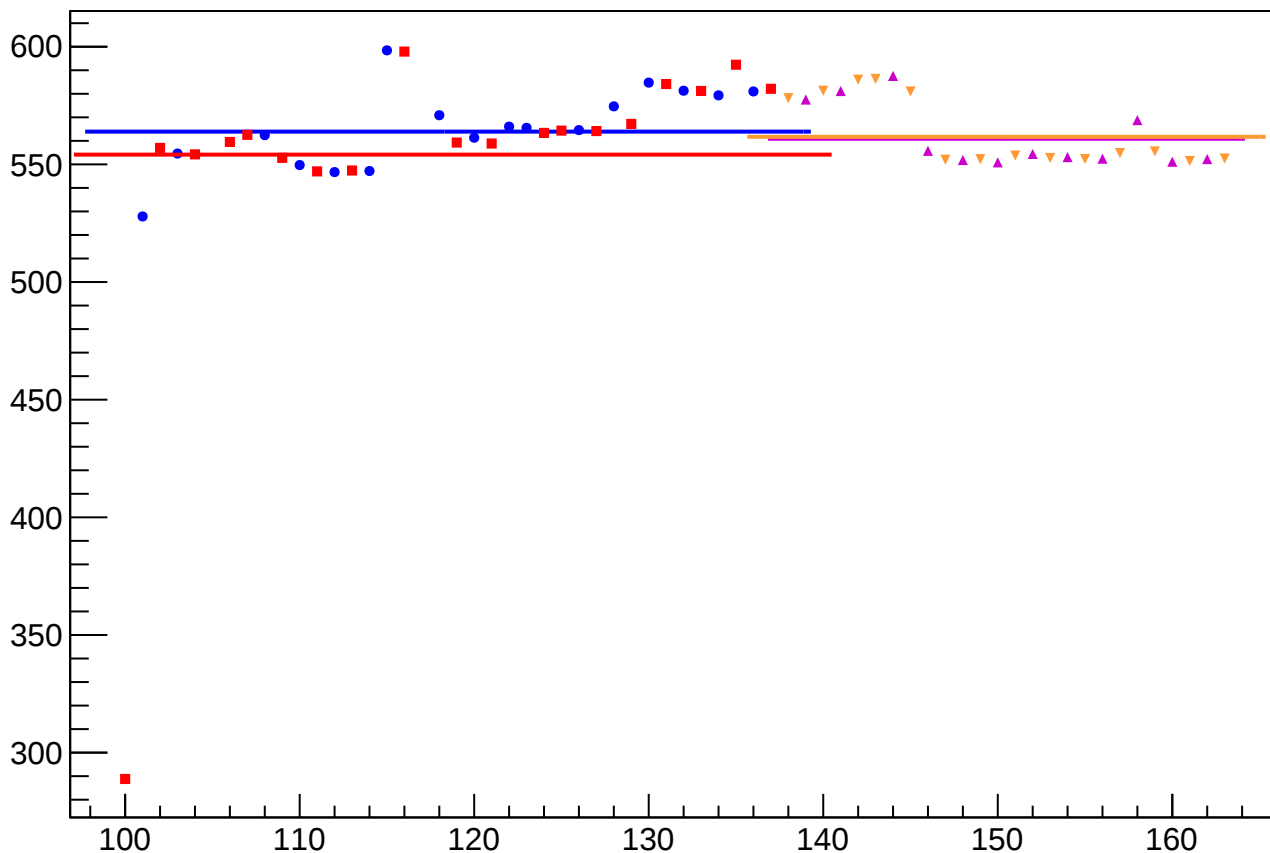
Right: 1144.995 $\pm$ 150.662 χ^2 /NDF: 26.2/35

In: 1269.489 $\pm$ 138.656 χ^2 /NDF:31.3/28

Out: 1005.468 $\pm$ 132.866 χ^2 /NDF:25.1/32

All: 1131.851 $\pm$ 95.932 χ^2 /NDF: 58.3/61

reg_asym_right_dd_rms vs Slug, Sign Corrected



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

Left Out: 561.714 $\pm$ 0.122 χ^2 /NDF:12146.1/13

Right Out: 554.145 $\pm$ 0.147 χ^2 /NDF: 131965.1/18

Left In: 560.865 $\pm$ 0.127 χ^2 /NDF:10087.9/11

Left: 561.306 $\pm$ 0.088 χ^2 /NDF: 22257.2/25

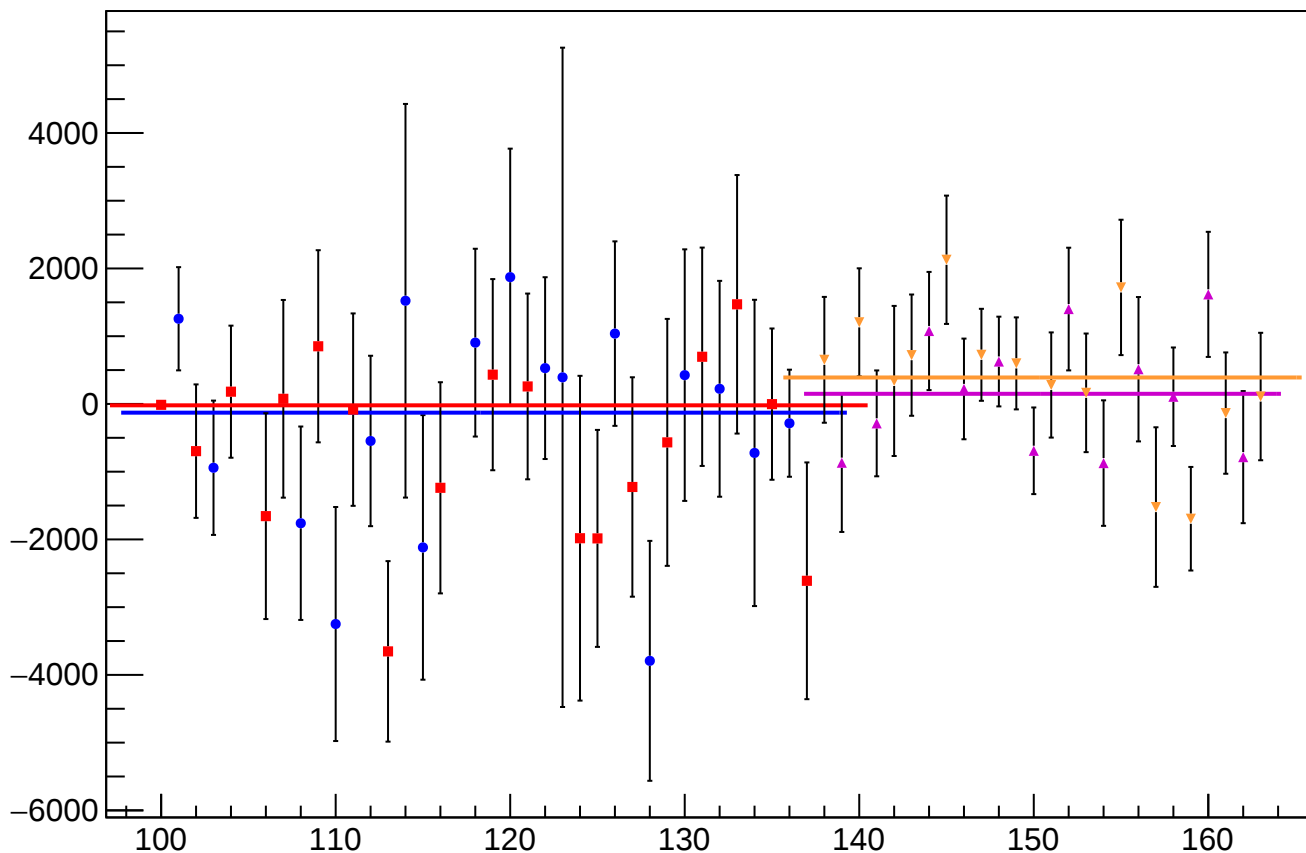
Right: 558.799 $\pm$ 0.107 χ^2 /NDF: 146729.2/35

In: 562.098 $\pm$ 0.098 χ^2 /NDF:22984.9/28

Out: 558.629 $\pm$ 0.094 χ^2 /NDF:145678.3/32

All: 560.290 $\pm$ 0.068 χ^2 /NDF: 169315.6/61

asym_right_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 390.663+/-229.294 χ^2/NDF : 17.3/13

Right Out: -20.384+/-38.954 χ^2/NDF : 16.1/18

Left In: 149.575+/-236.863 χ^2/NDF : 11.4/11

Left: 274.032+/-164.746 χ^2/NDF : 29.2/25

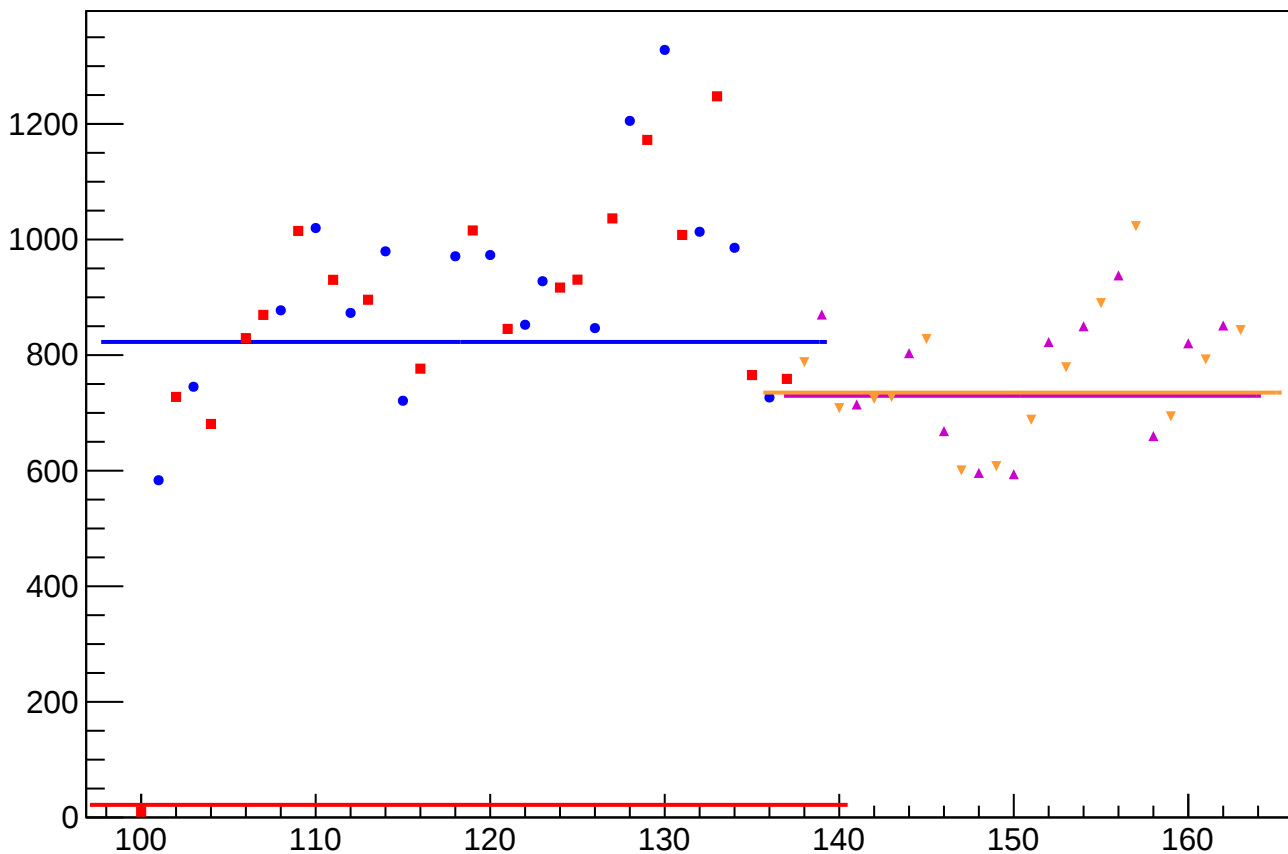
Right: -21.894+/-38.682 χ^2/NDF : 33.4/35

In: 54.068+/-191.964 χ^2/NDF : 29.1/28

Out: -8.853+/-38.404 χ^2/NDF : 36.6/32

All: -6.432+/-37.658 χ^2/NDF : 65.7/61

asym_right_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 735.146+/-0.162 χ^2/NDF : 397517.9/13

Right Out: 21.812+/-0.028 χ^2/NDF : 13523611.9/18

Left In: 729.632+/-0.167 χ^2/NDF : 437576.4/11

Left: 732.478+/-0.116 χ^2/NDF : 835654.0/25

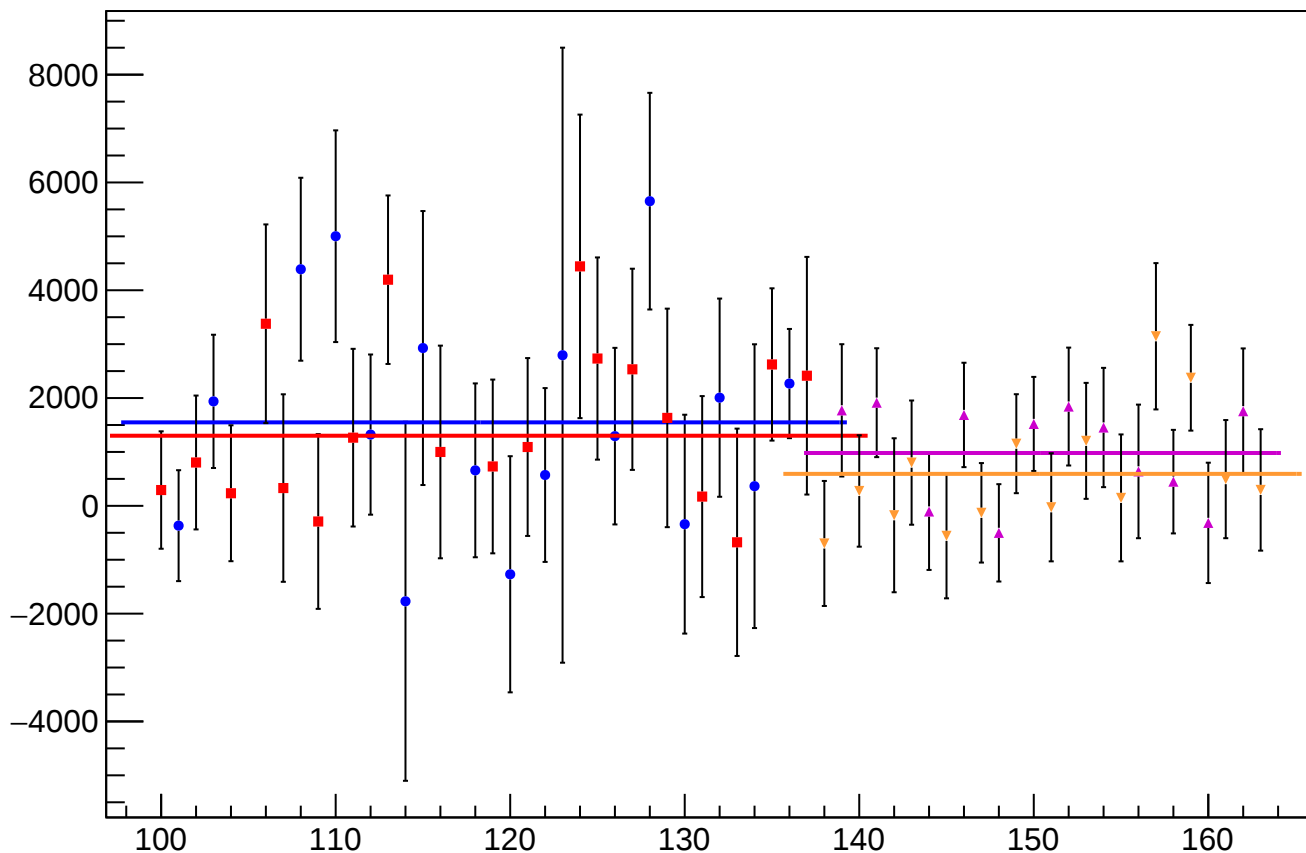
Right: 32.973+/-0.027 χ^2/NDF : 25907183.1/35

In: 761.598+/-0.136 χ^2/NDF : 1144596.5/28

Out: 41.823+/-0.027 χ^2/NDF : 32734859.6/32

All: 69.522+/-0.027 χ^2/NDF : 60915300.6/61

asym_right_dd_mean vs Slug, Sign Corrected



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

Left Out: 593.195 $\pm$ 291.020 χ^2/NDF : 11.4/13

Right Out: 1300.945 $\pm$ 376.043 χ^2/NDF : 12.5/18

Left In: 980.591 $\pm$ 301.157 χ^2/NDF : 8.9/11

Left: 780.264 $\pm$ 209.274 χ^2/NDF : 21.1/25

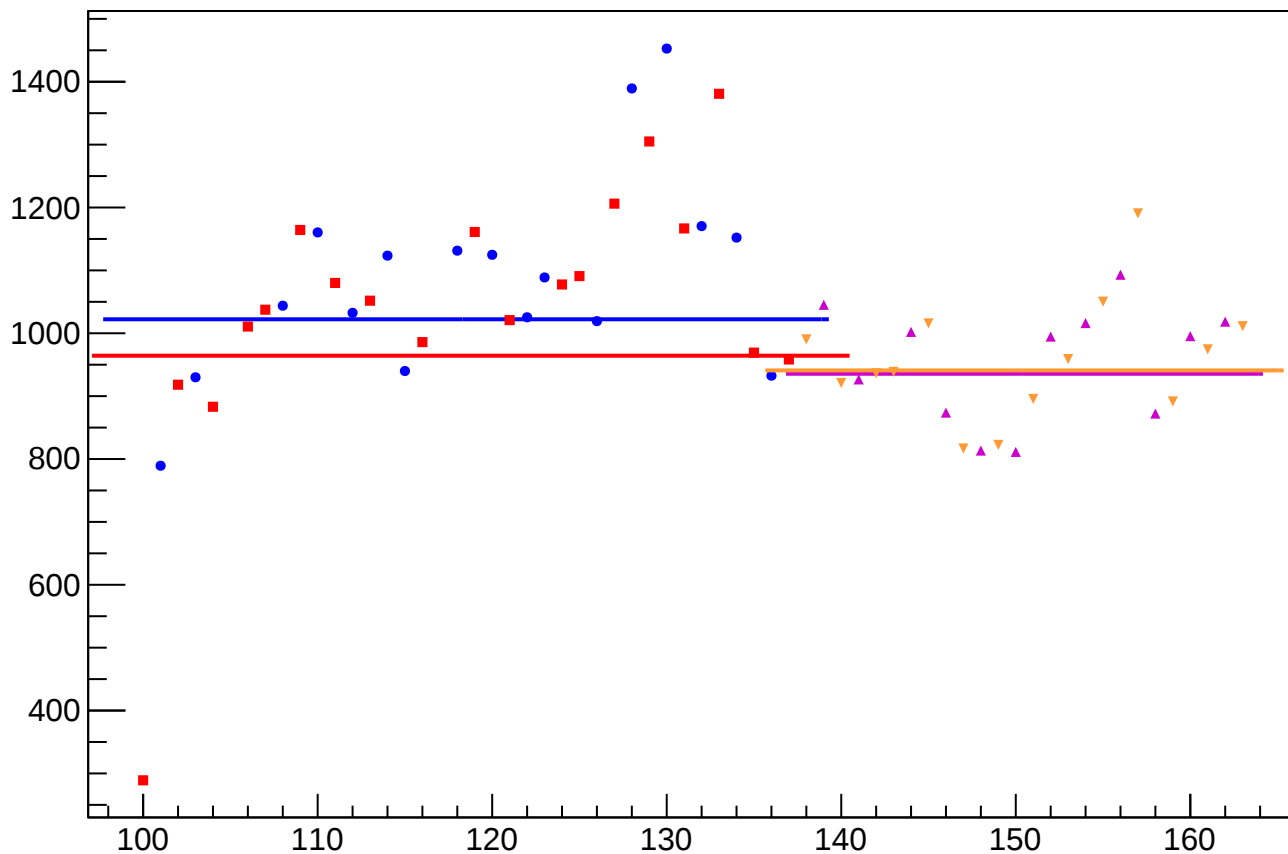
Right: 1416.645 $\pm$ 274.624 χ^2/NDF : 31.7/35

In: 1184.869 $\pm$ 241.026 χ^2/NDF : 29.1/28

Out: 858.304 $\pm$ 230.149 χ^2/NDF : 26.1/32

All: 1014.052 $\pm$ 166.453 χ^2/NDF : 56.2/61

asym_right_dd_rms vs Slug, Sign Corrected



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

Left Out: 940.952 $\pm$ 0.206 χ^2 /NDF:186515.1/13

Right Out: 964.330 $\pm$ 0.266 χ^2 /NDF: 1067281.2/18

Left In: 935.624 $\pm$ 0.213 χ^2 /NDF:182253.5/11

Left: 938.379 $\pm$ 0.148 χ^2 /NDF: 369092.3/25

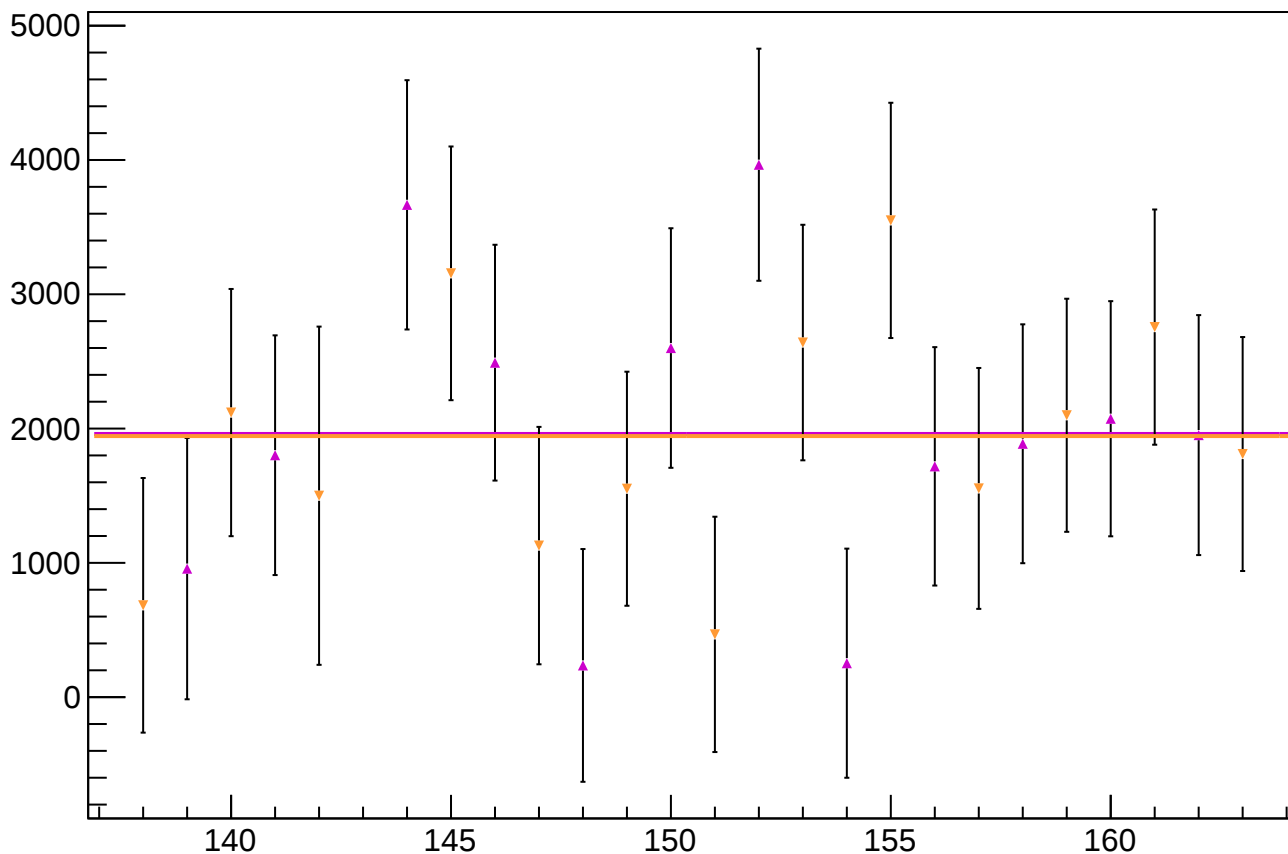
Right: 991.355 $\pm$ 0.194 χ^2 /NDF: 1421282.7/35

In: 966.760 $\pm$ 0.170 χ^2 /NDF:573591.6/28

Out: 949.709 $\pm$ 0.163 χ^2 /NDF:1258630.5/32

All: 957.841 $\pm$ 0.118 χ^2 /NDF: 1837457.7/61

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1944.133+/-252.061 χ^2/NDF :12.6/12

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

Left In: 1959.778+/-256.819 χ^2/NDF :18.8/11

Left: 1951.810+/-179.892 χ^2/NDF : 31.4/24

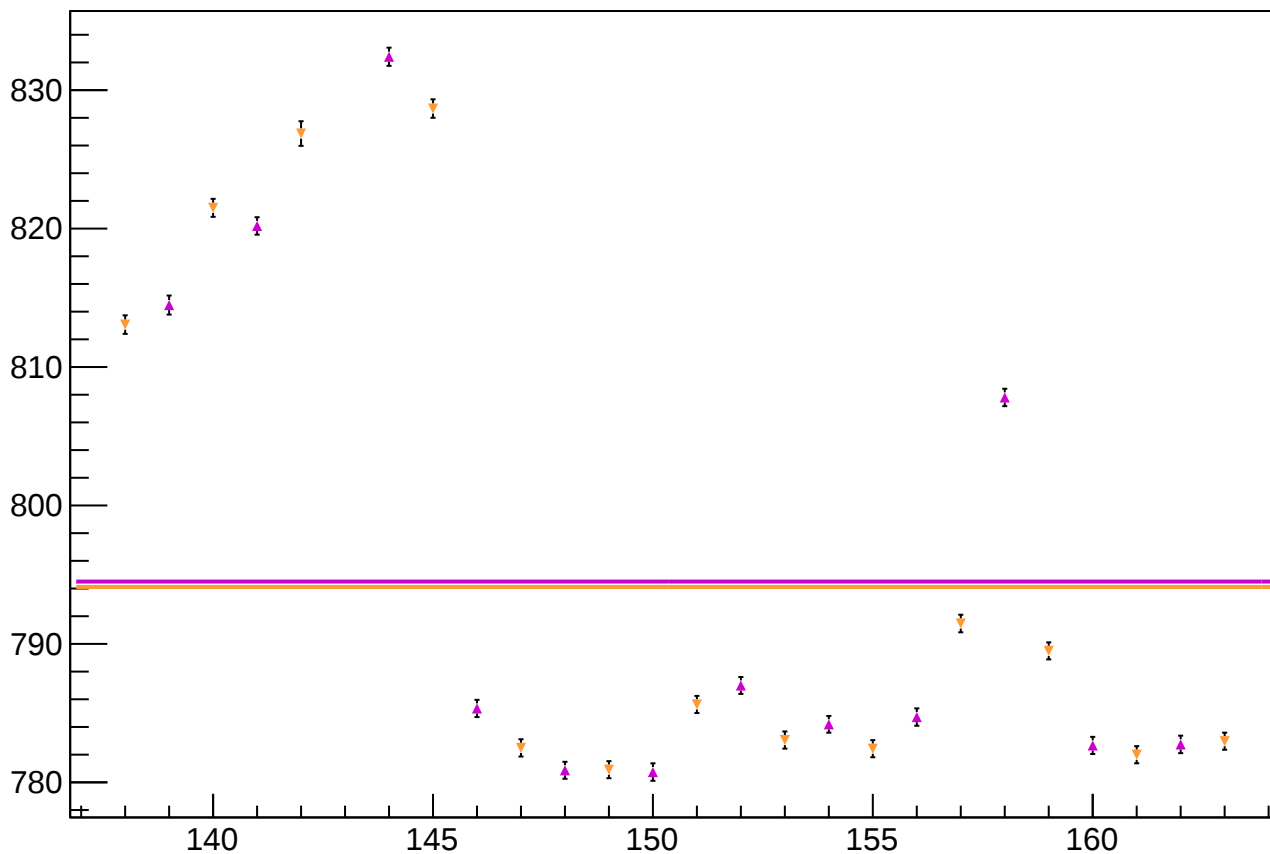
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1959.778+/-256.819 χ^2/NDF :18.8/11

Out: 1944.133+/-252.061 χ^2/NDF :12.6/12

All: 1951.810+/-179.892 χ^2/NDF : 31.4/24

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 794.112+/-0.178 χ^2/NDF :9049.1/12

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

Left In: 794.504+/-0.182 χ^2/NDF :8870.1/11

Left: 794.304+/-0.127 χ^2/NDF : 17921.5/24

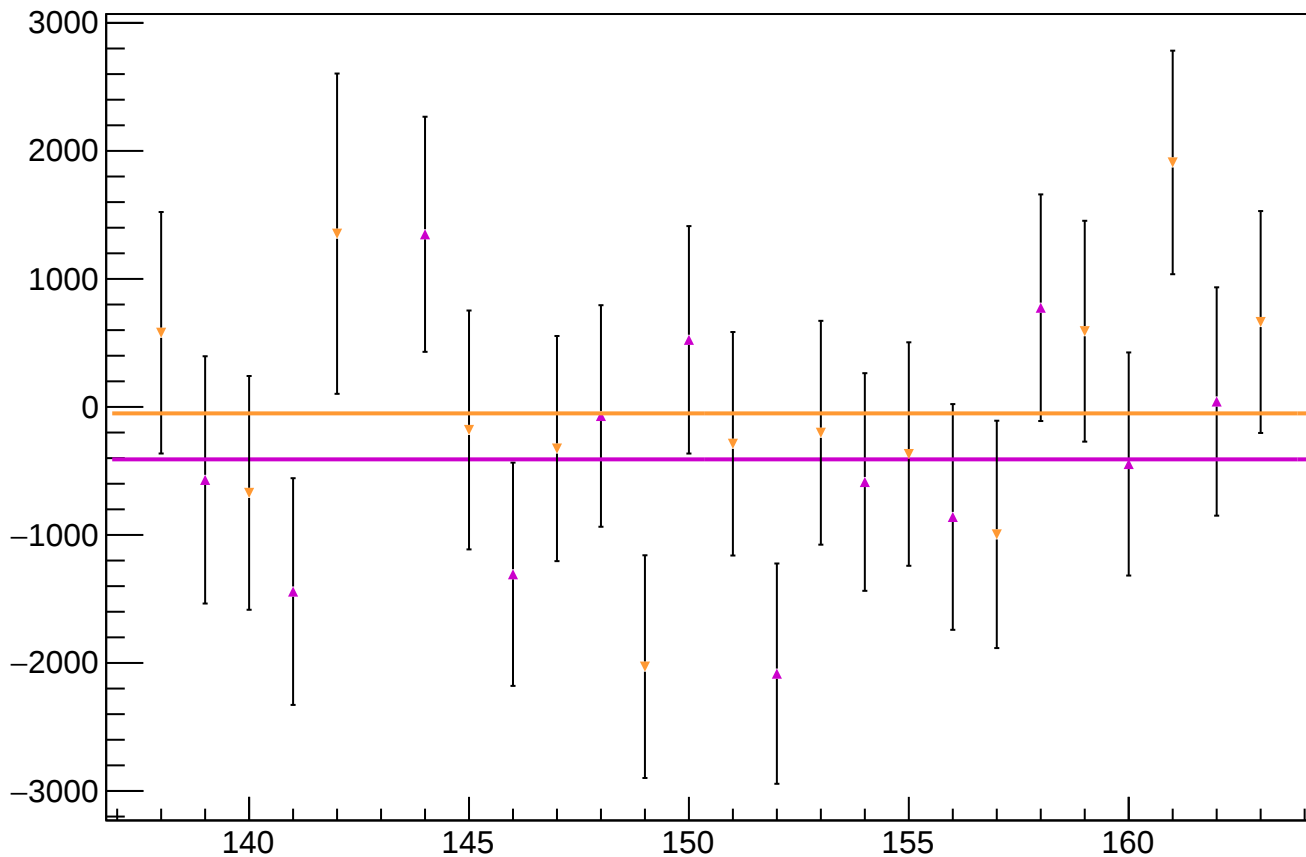
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 794.504+/-0.182 χ^2/NDF :8870.1/11

Out: 794.112+/-0.178 χ^2/NDF :9049.1/12

All: 794.304+/-0.127 χ^2/NDF : 17921.5/24

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -50.380+/-250.680 χ^2/NDF :15.1/12

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

Left In: -409.566+/-255.480 χ^2/NDF :13.5/11

Left: -226.567+/-178.931 χ^2/NDF : 29.6/24

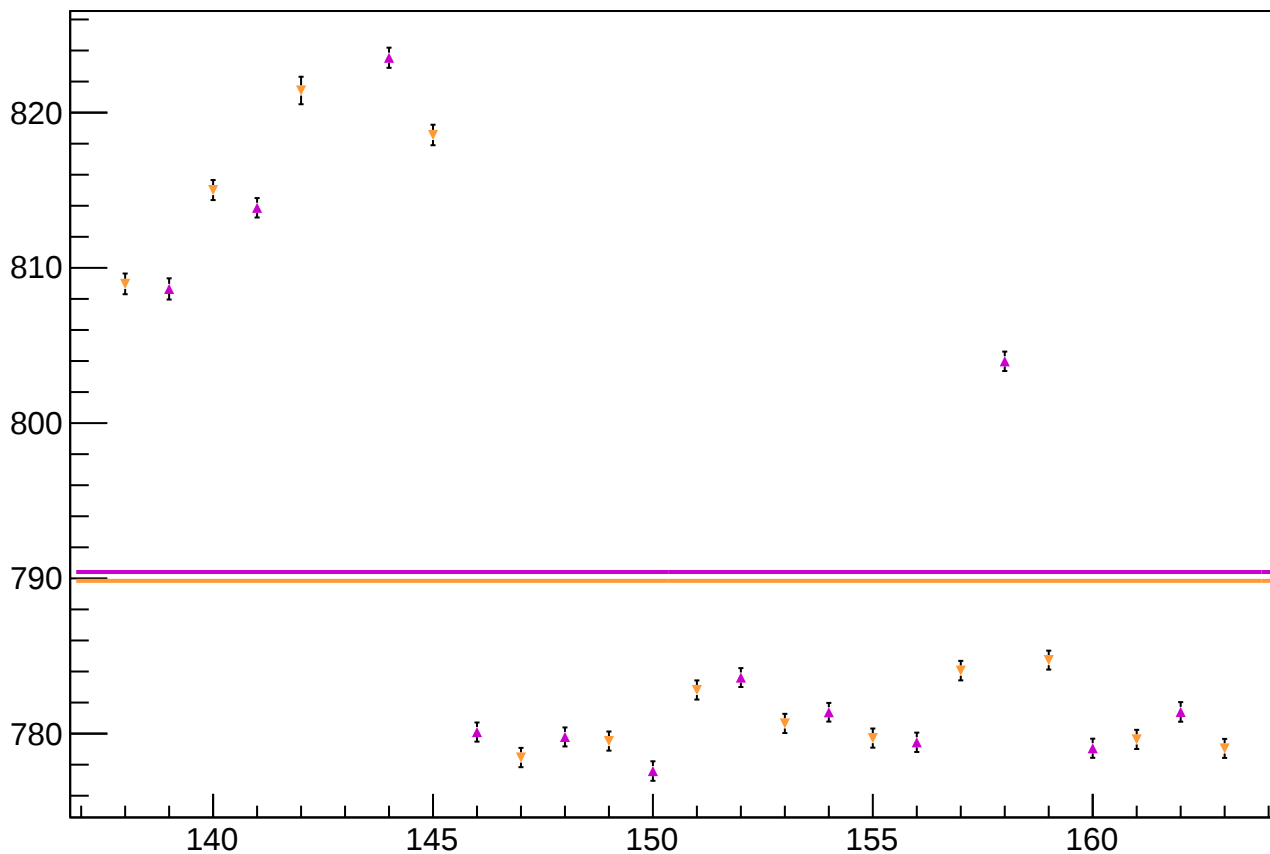
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -409.566+/-255.480 χ^2/NDF :13.5/11

Out: -50.380+/-250.680 χ^2/NDF :15.1/12

All: -226.567+/-178.931 χ^2/NDF : 29.6/24

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 789.841+/-0.177 χ^2/NDF : 7487.0/12

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

Left In: 790.410+/-0.181 χ^2/NDF : 7390.2/11

Left: 790.121+/-0.127 χ^2/NDF : 14882.2/24

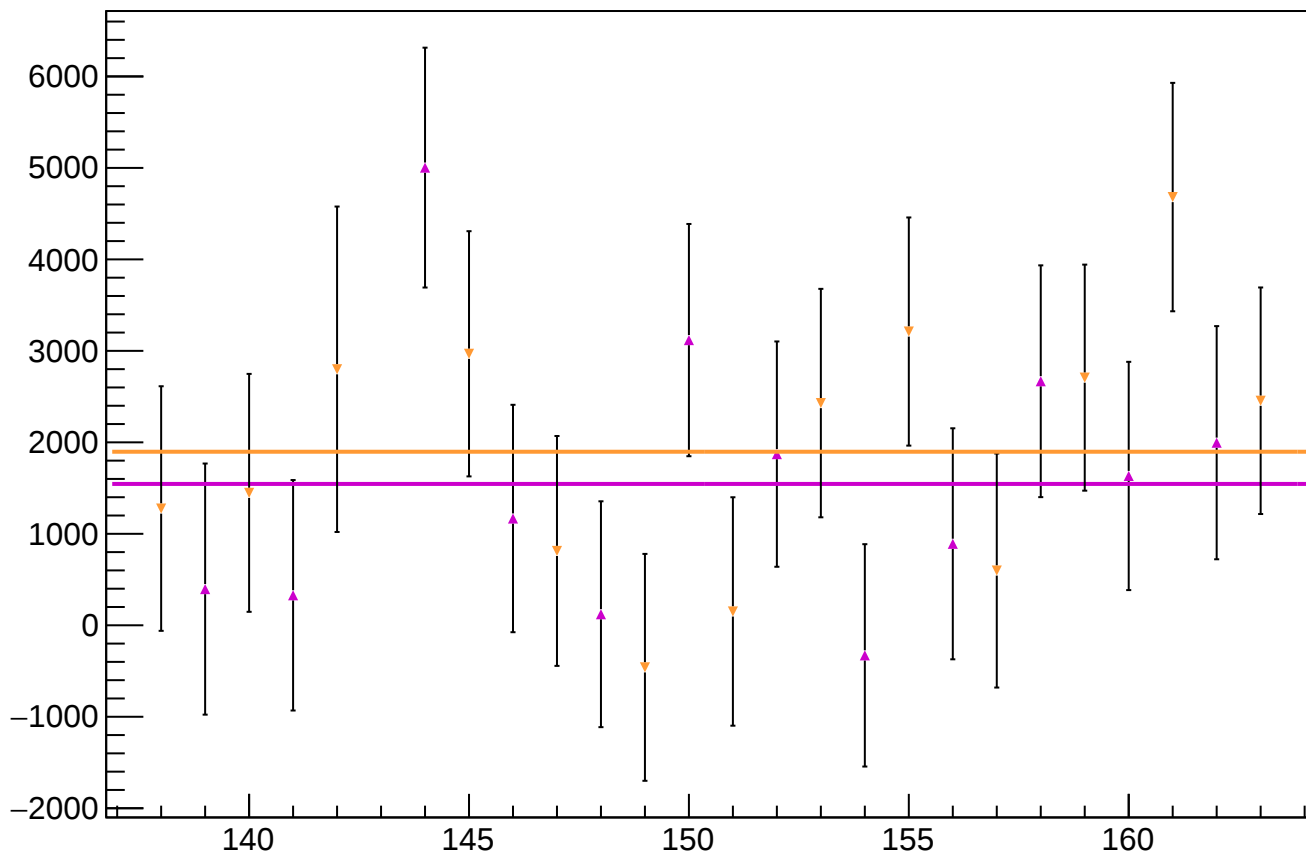
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 790.410+/-0.181 χ^2/NDF : 7390.2/11

Out: 789.841+/-0.177 χ^2/NDF : 7487.0/12

All: 790.121+/-0.127 χ^2/NDF : 14882.2/24

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1897.374+/-358.228 χ^2/NDF :15.5/12

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

Left In: 1545.311+/-364.877 χ^2/NDF :15.2/11

Left: 1724.579+/-255.624 χ^2/NDF : 31.1/24

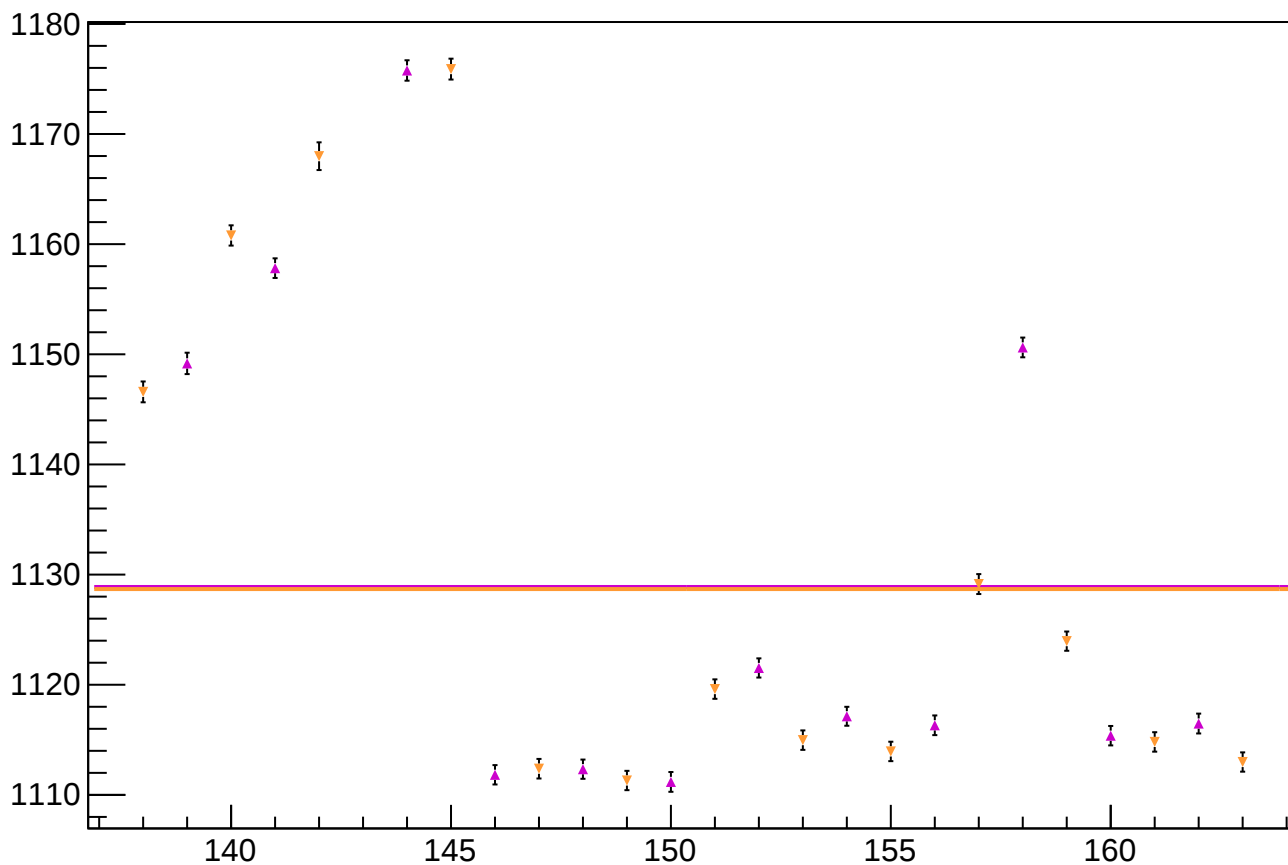
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1545.311+/-364.877 χ^2/NDF :15.2/11

Out: 1897.374+/-358.228 χ^2/NDF :15.5/12

All: 1724.579+/-255.624 χ^2/NDF : 31.1/24

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1128.687+/-0.253 χ^2/NDF : 6988.7/12

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

Left In: 1128.875+/-0.258 χ^2/NDF : 6644.0/11

Left: 1128.779+/-0.181 χ^2/NDF : 13632.9/24

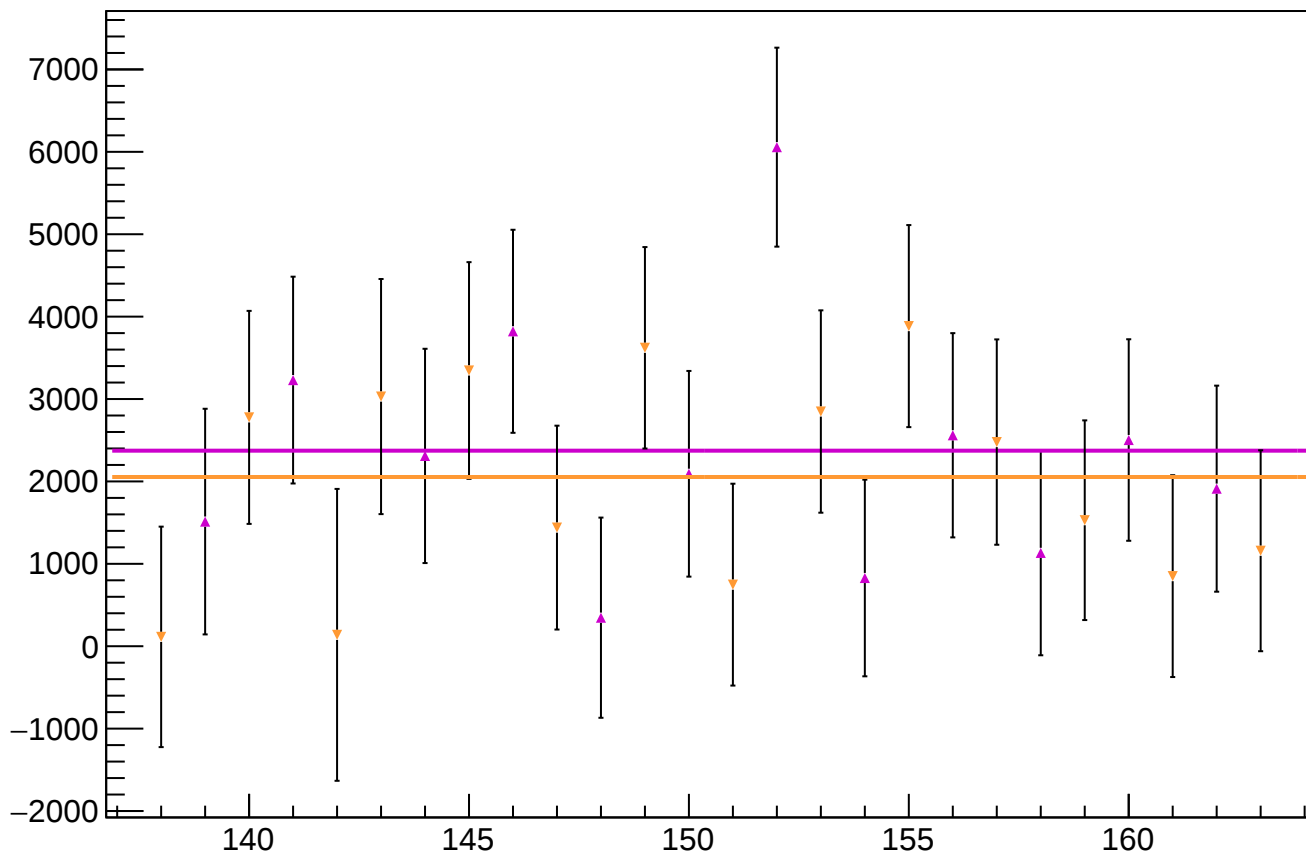
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1128.875+/-0.258 χ^2/NDF : 6644.0/11

Out: 1128.687+/-0.253 χ^2/NDF : 6988.7/12

All: 1128.779+/-0.181 χ^2/NDF : 13632.9/24

cor_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2053.744+/-342.435 χ^2/NDF :12.5/13

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

Left In: 2373.231+/-359.601 χ^2/NDF :17.2/11

Left: 2205.679+/-247.985 χ^2/NDF : 30.2/25

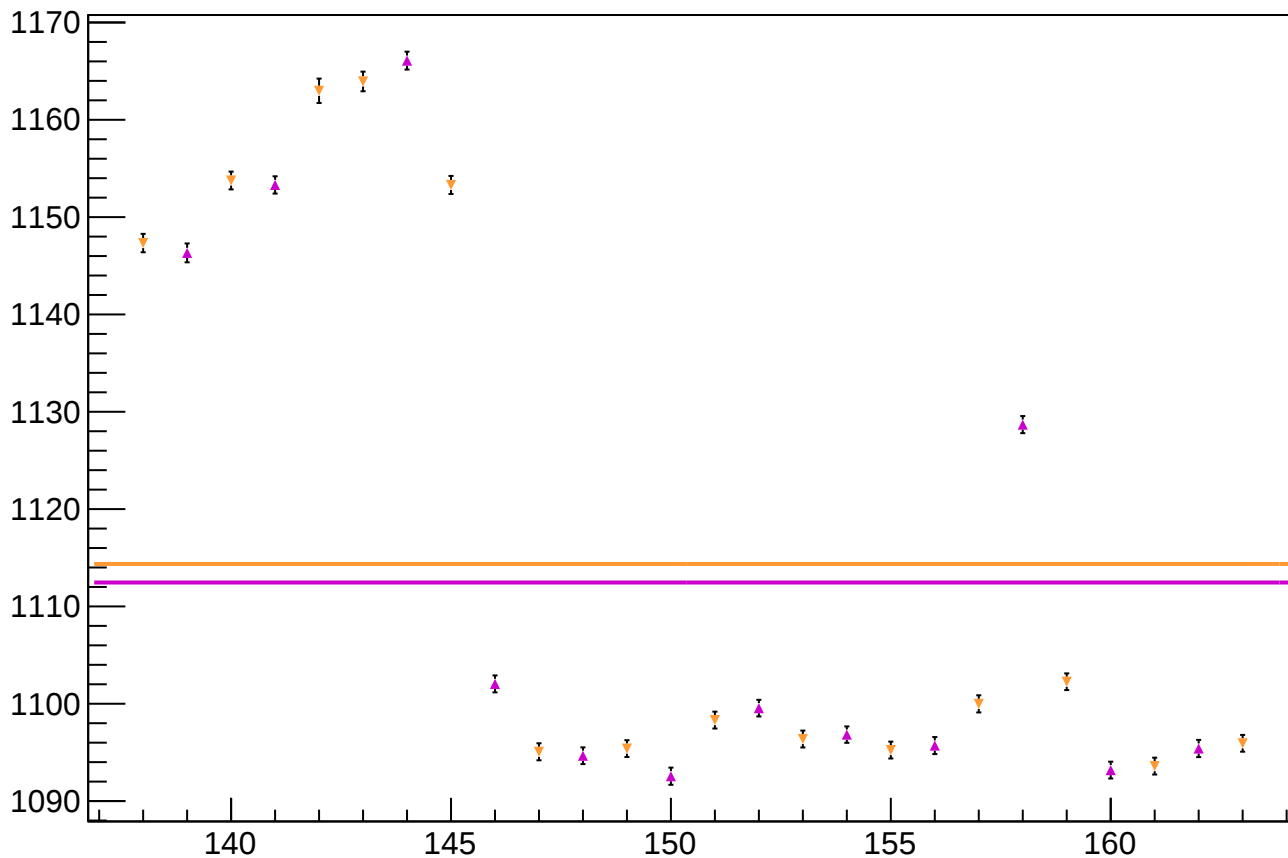
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2373.231+/-359.601 χ^2/NDF :17.2/11

Out: 2053.744+/-342.435 χ^2/NDF :12.5/13

All: 2205.679+/-247.985 χ^2/NDF : 30.2/25

cor_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1114.362+/-0.242 χ^2/NDF :12474.8/13

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

Left In: 1112.457+/-0.254 χ^2/NDF :9972.8/11

Left: 1113.456+/-0.175 χ^2/NDF : 22477.0/25

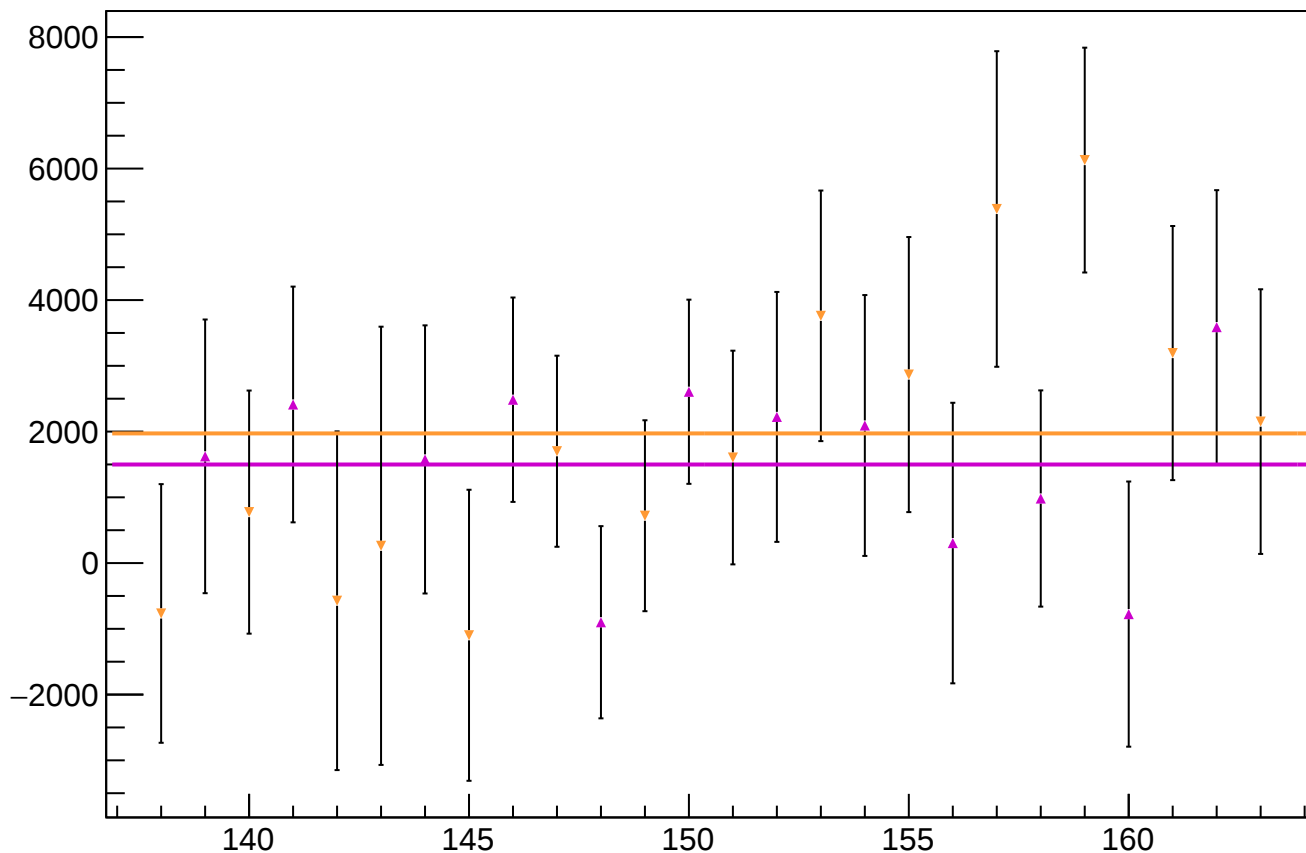
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1112.457+/-0.254 χ^2/NDF :9972.8/11

Out: 1114.362+/-0.242 χ^2/NDF :12474.8/13

All: 1113.456+/-0.175 χ^2/NDF : 22477.0/25

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 1972.057+/-509.193 χ^2/NDF :15.8/13

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

Left In: 1499.165+/-514.947 χ^2/NDF :6.9/11

Left: 1738.268+/-362.071 χ^2/NDF : 23.1/25

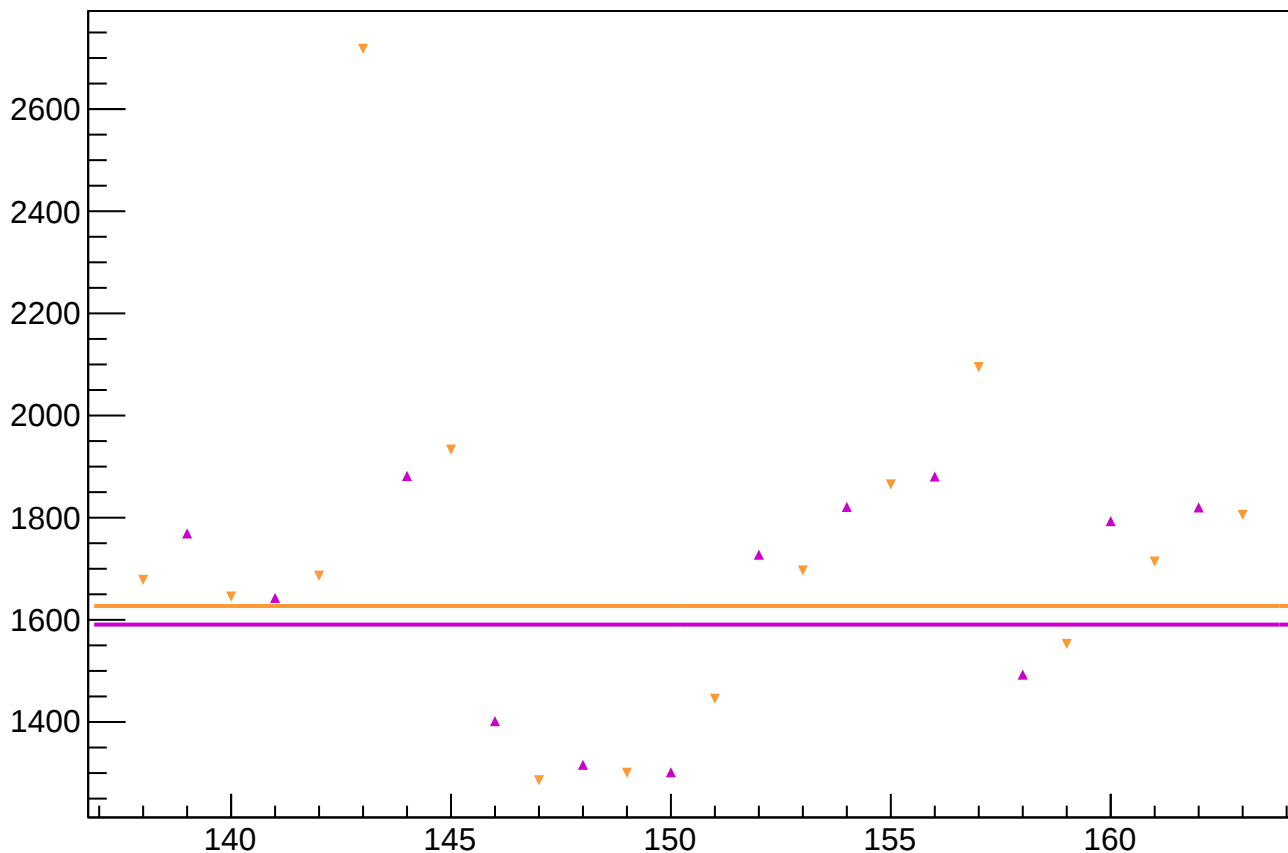
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1499.165+/-514.947 χ^2/NDF :6.9/11

Out: 1972.057+/-509.193 χ^2/NDF :15.8/13

All: 1738.268+/-362.071 χ^2/NDF : 23.1/25

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1627.036+/-0.360 χ^2/NDF : 619662.5/13

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

Left In: 1590.671+/-0.364 χ^2/NDF : 368315.2/11

Left: 1609.058+/-0.256 χ^2/NDF : 993020.8/25

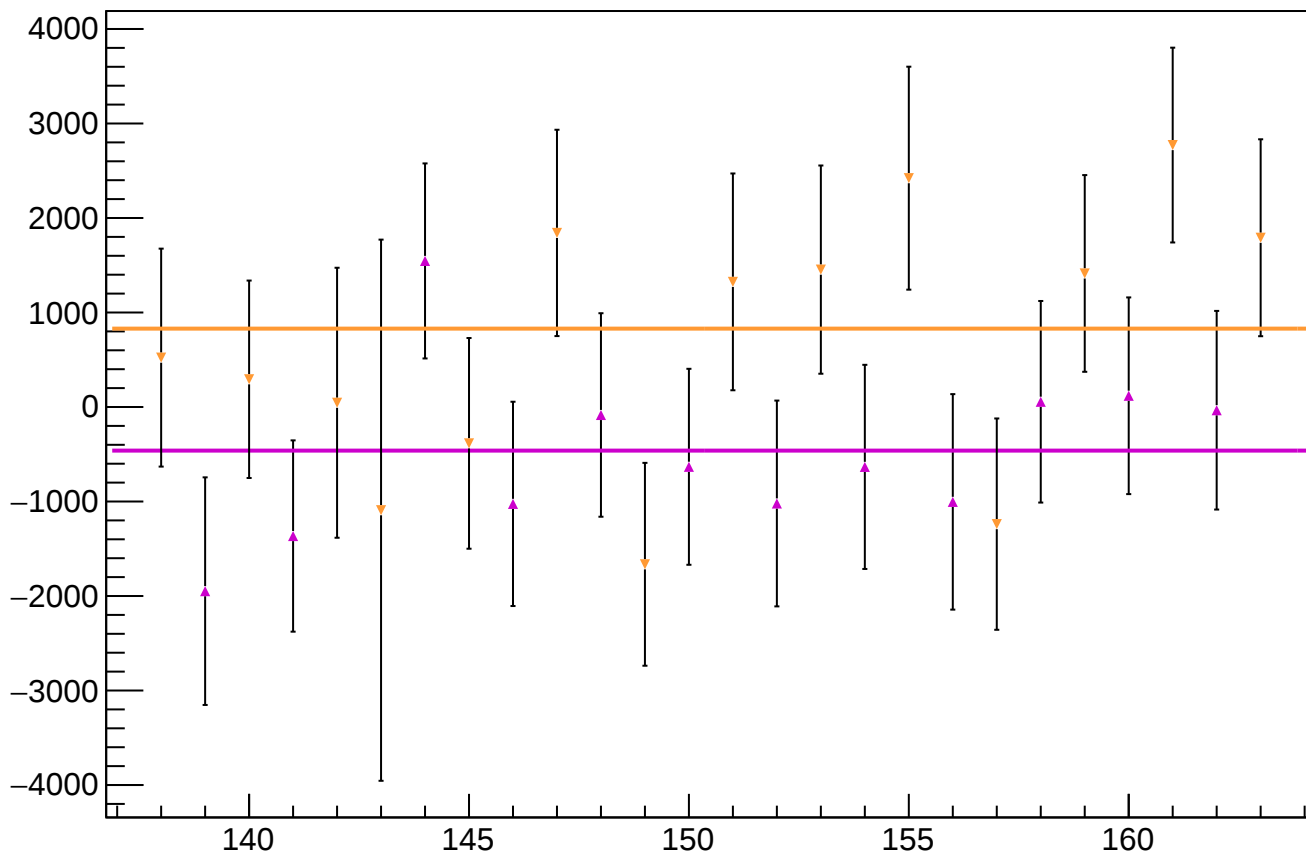
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1590.671+/-0.364 χ^2/NDF : 368315.2/11

Out: 1627.036+/-0.360 χ^2/NDF : 619662.5/13

All: 1609.058+/-0.256 χ^2/NDF : 993020.8/25

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 829.406+/-305.982 χ^2/NDF :19.0/13

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

Left In: -461.360+/-309.613 χ^2/NDF :7.8/11

Left: 191.637+/-217.634 χ^2/NDF : 35.5/25

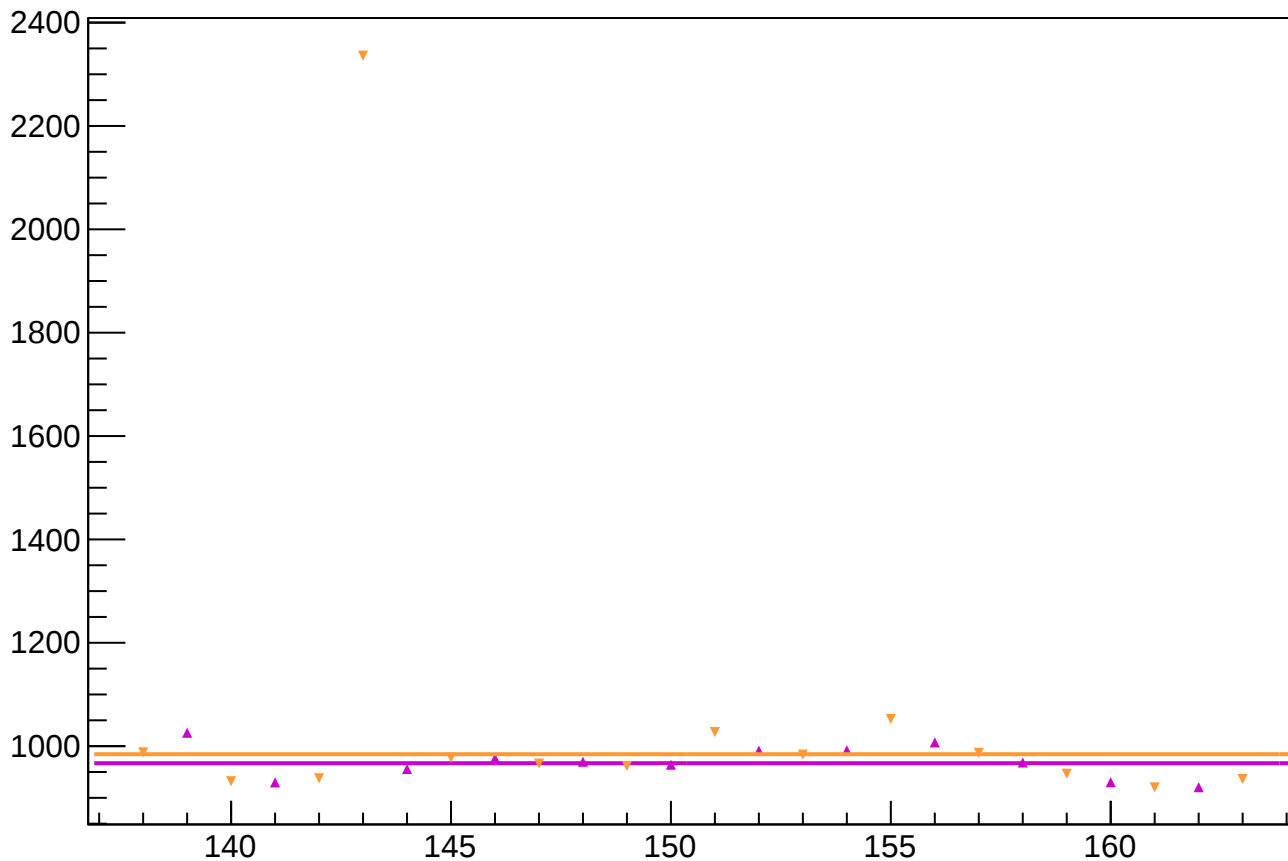
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -461.360+/-309.613 χ^2/NDF :7.8/11

Out: 829.406+/-305.982 χ^2/NDF :19.0/13

All: 191.637+/-217.634 χ^2/NDF : 35.5/25

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 984.385+/-0.216 χ^2/NDF : 478446.5/13

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

Left In: 967.052+/-0.219 χ^2/NDF : 18877.5/11

Left: 975.821+/-0.154 χ^2/NDF : 500495.0/25

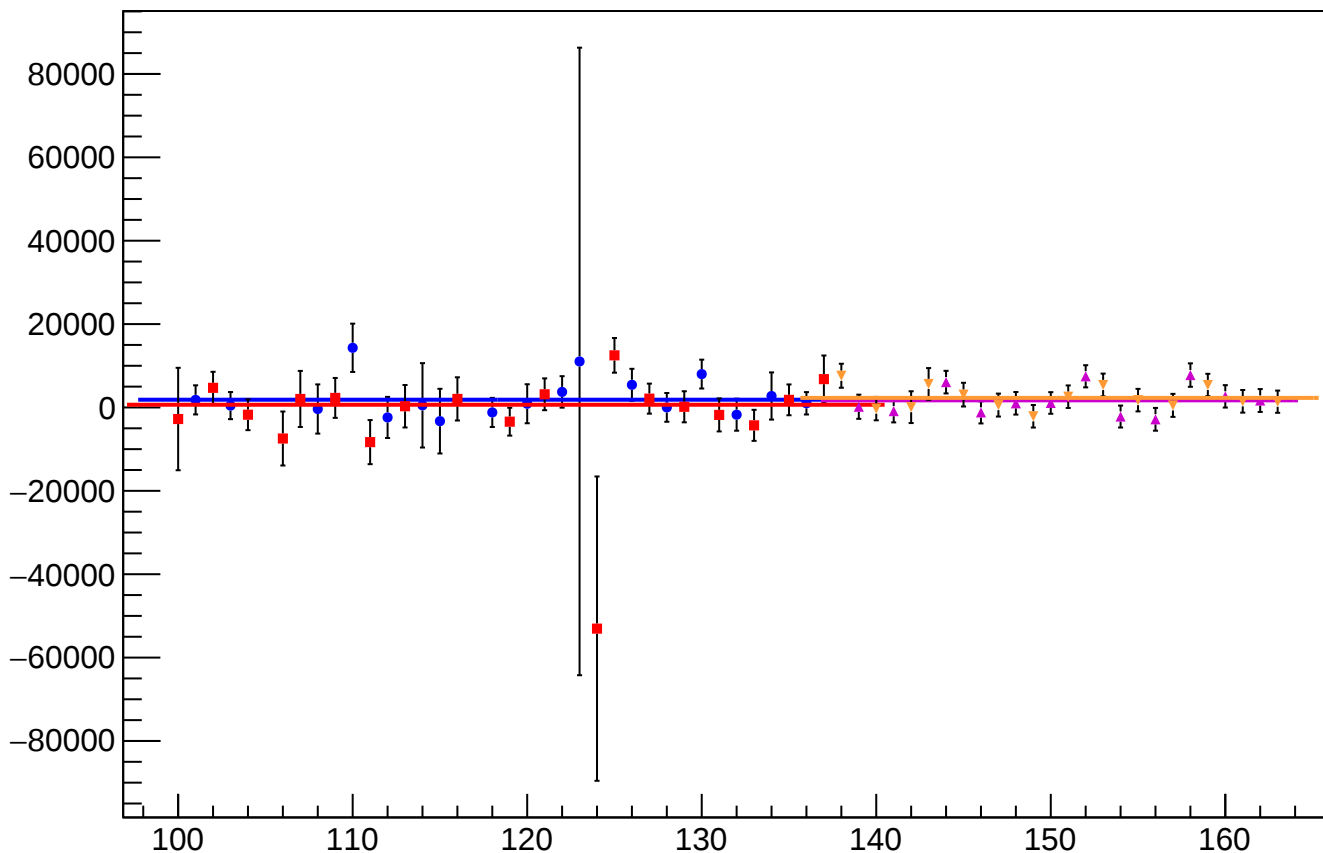
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 967.052+/-0.219 χ^2/NDF : 18877.5/11

Out: 984.385+/-0.216 χ^2/NDF : 478446.5/13

All: 975.821+/-0.154 χ^2/NDF : 500495.0/25

reg_asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 2296.274+/-759.617 χ^2/NDF : 11.8/13

Right Out: 654.213+/-1023.772 χ^2/NDF : 22.1/18

Left In: 1707.956+/-781.385 χ^2/NDF : 19.6/11

Left: 2010.424+/-544.664 χ^2/NDF : 31.6/25

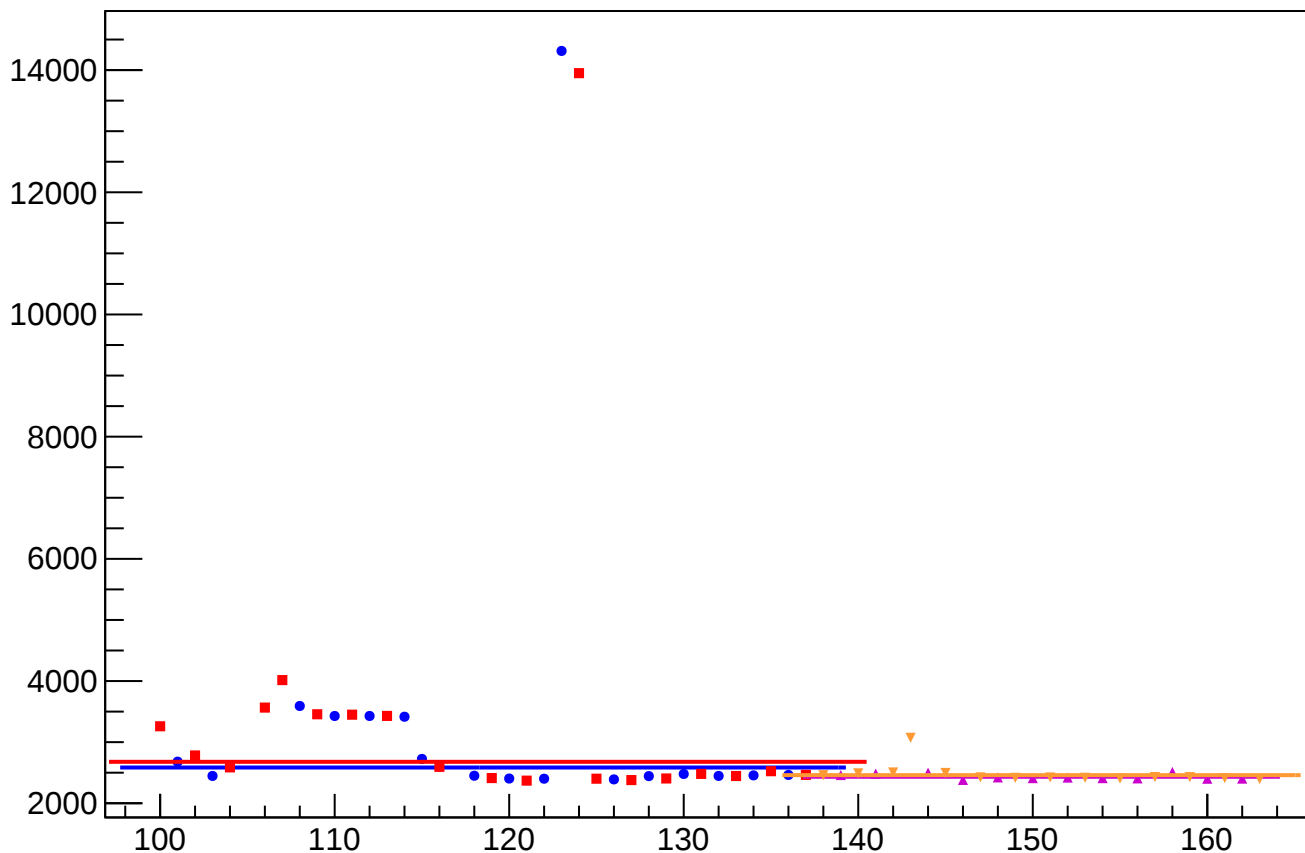
Right: 1263.106+/-720.235 χ^2/NDF : 35.3/35

In: 1764.557+/-618.808 χ^2/NDF : 32.1/28

Out: 1713.244+/-610.035 χ^2/NDF : 35.5/32

All: 1738.534+/-434.428 χ^2/NDF : 67.6/61

reg_asym_atl1_rms vs Slug, Sign Corrected



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

Left Out: 2459.903+/-0.537 χ^2/NDF : 57213.8/13

Right Out: 2678.229+/-0.724 χ^2/NDF : 532096.9/18

Left In: 2433.700+/-0.553 χ^2/NDF : 5561.5/11

Left: 2447.171+/-0.385 χ^2/NDF : 63931.6/25

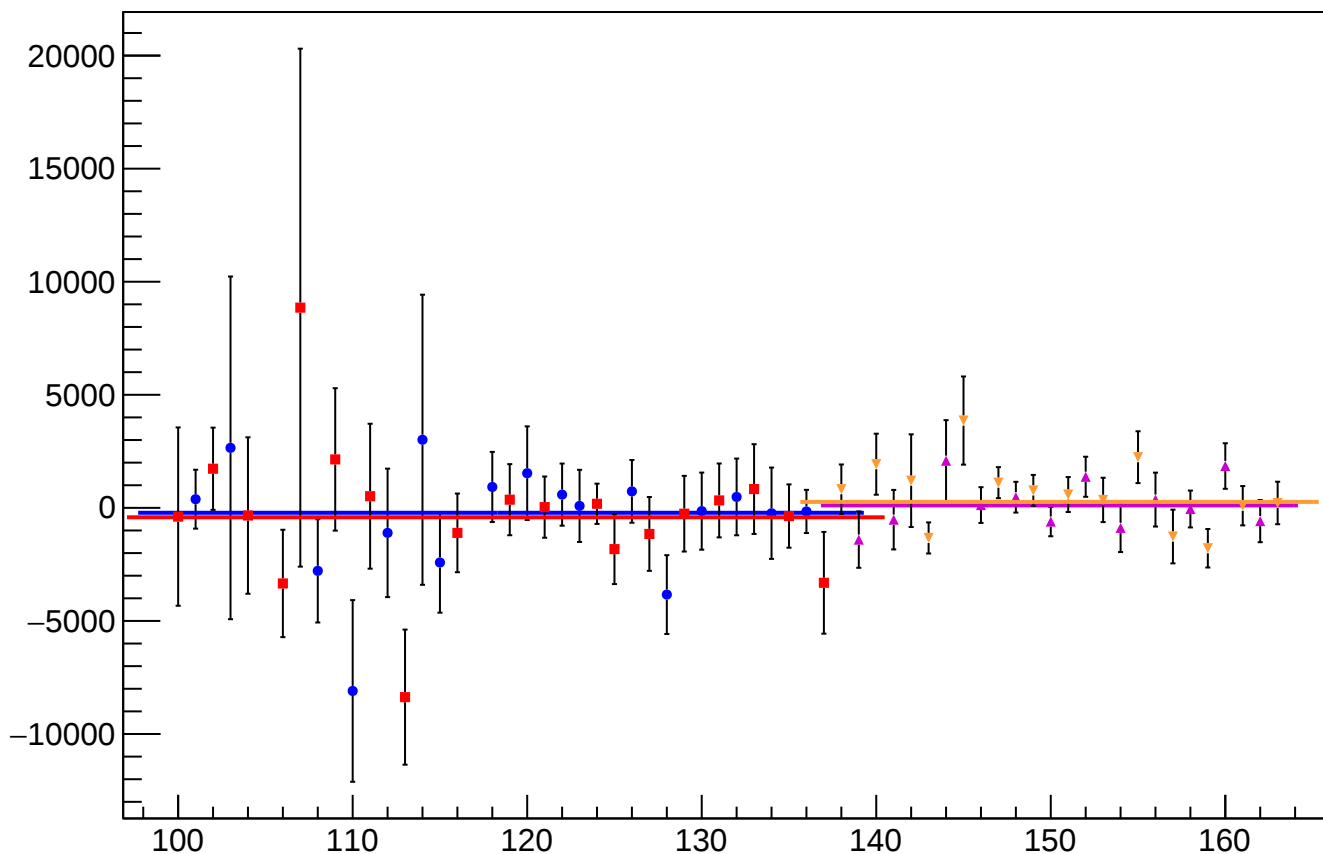
Right: 2631.050+/-0.509 χ^2/NDF : 796216.7/35

In: 2490.042+/-0.438 χ^2/NDF : 289162.3/28

Out: 2537.422+/-0.431 χ^2/NDF : 647972.1/32

All: 2514.070+/-0.307 χ^2/NDF : 943080.4/61

asym_atl1_correction_mean vs Slug, Sign Corrected



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

Left Out: 264.395 $\pm$ 247.932 χ^2 /NDF: 23.5/13

Right Out: -417.202 $\pm$ 408.976 χ^2 /NDF: 15.7/18

Left In: 108.443 $\pm$ 265.746 χ^2 /NDF: 11.0/11

Left: 191.821 $\pm$ 181.285 χ^2 /NDF: 34.7/25

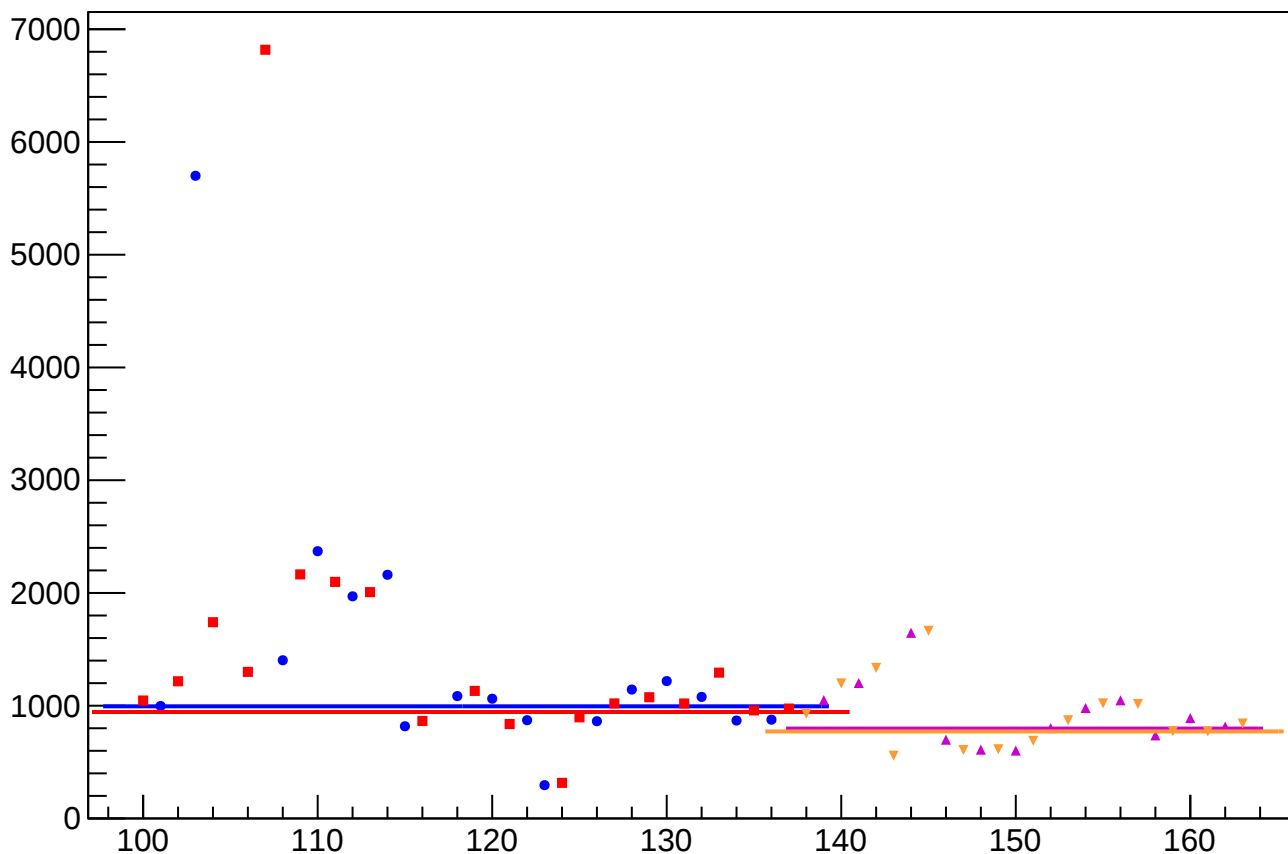
Right: -319.789 $\pm$ 293.036 χ^2 /NDF: 29.2/35

In: 15.422 $\pm$ 224.580 χ^2 /NDF: 24.8/28

Out: 81.220 $\pm$ 212.015 χ^2 /NDF: 41.2/32

All: 50.213 $\pm$ 154.168 χ^2 /NDF: 66.0/61

asym_atl1_correction_rms vs Slug, Sign Corrected



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

Left Out: 771.754+/-0.175 χ^2/NDF : 1462768.0/13

Right Out: 944.286+/-0.289 χ^2/NDF : 2666007.0/18

Left In: 797.144+/-0.188 χ^2/NDF : 1258141.3/11

Left: 783.569+/-0.128 χ^2/NDF : 2730670.0/25

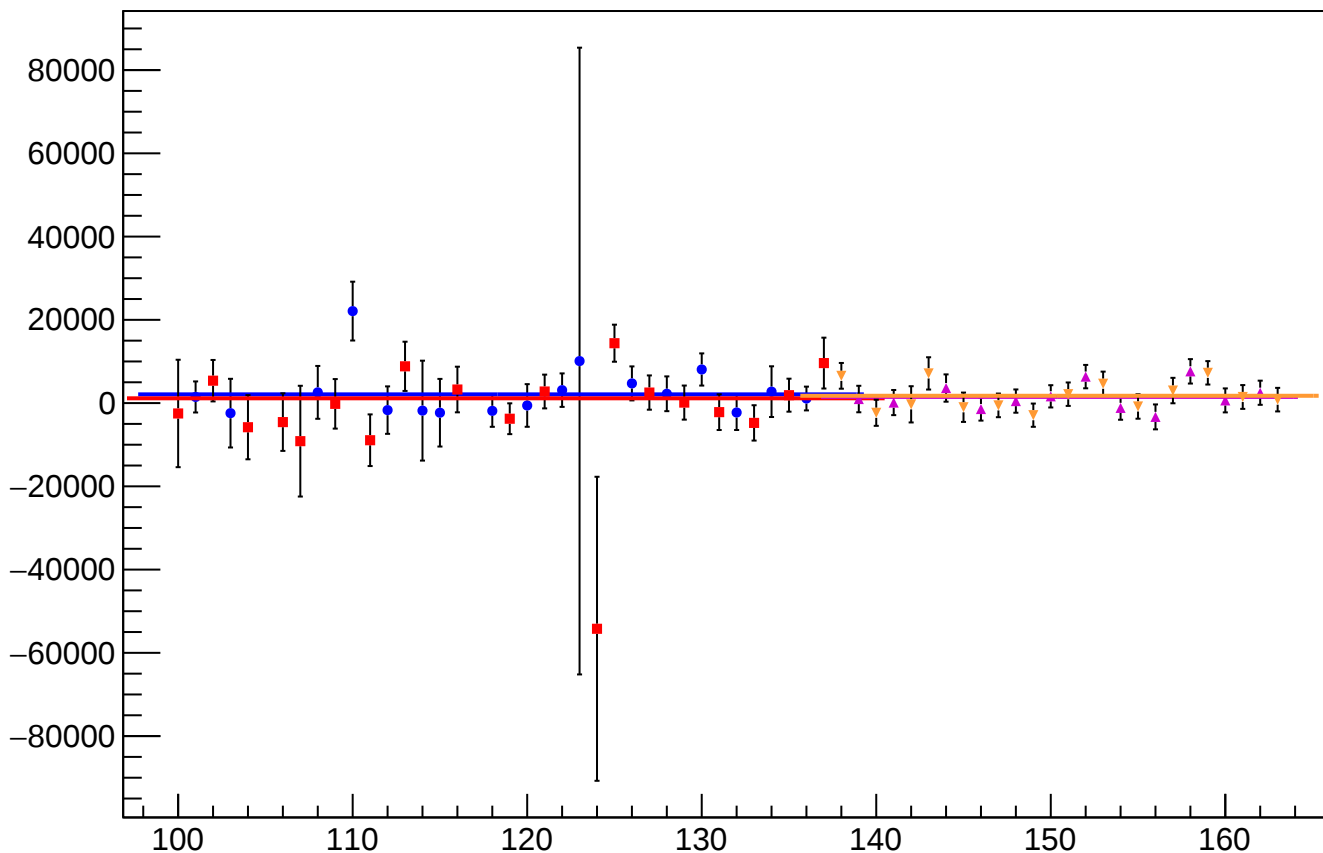
Right: 968.741+/-0.207 χ^2/NDF : 4585251.1/35

In: 853.563+/-0.159 χ^2/NDF : 3478092.9/28

Out: 818.121+/-0.150 χ^2/NDF : 4389059.1/32

All: 834.823+/-0.109 χ^2/NDF : 7893489.6/61

asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 1757.305+/-816.749 χ^2 /NDF:16.2/13

Right Out: 1147.788+/-1187.007 χ^2 /NDF: 25.1/18

Left In: 1486.945+/-840.549 χ^2 /NDF:12.9/11

Left: 1626.007+/-585.762 χ^2 /NDF: 29.2/25

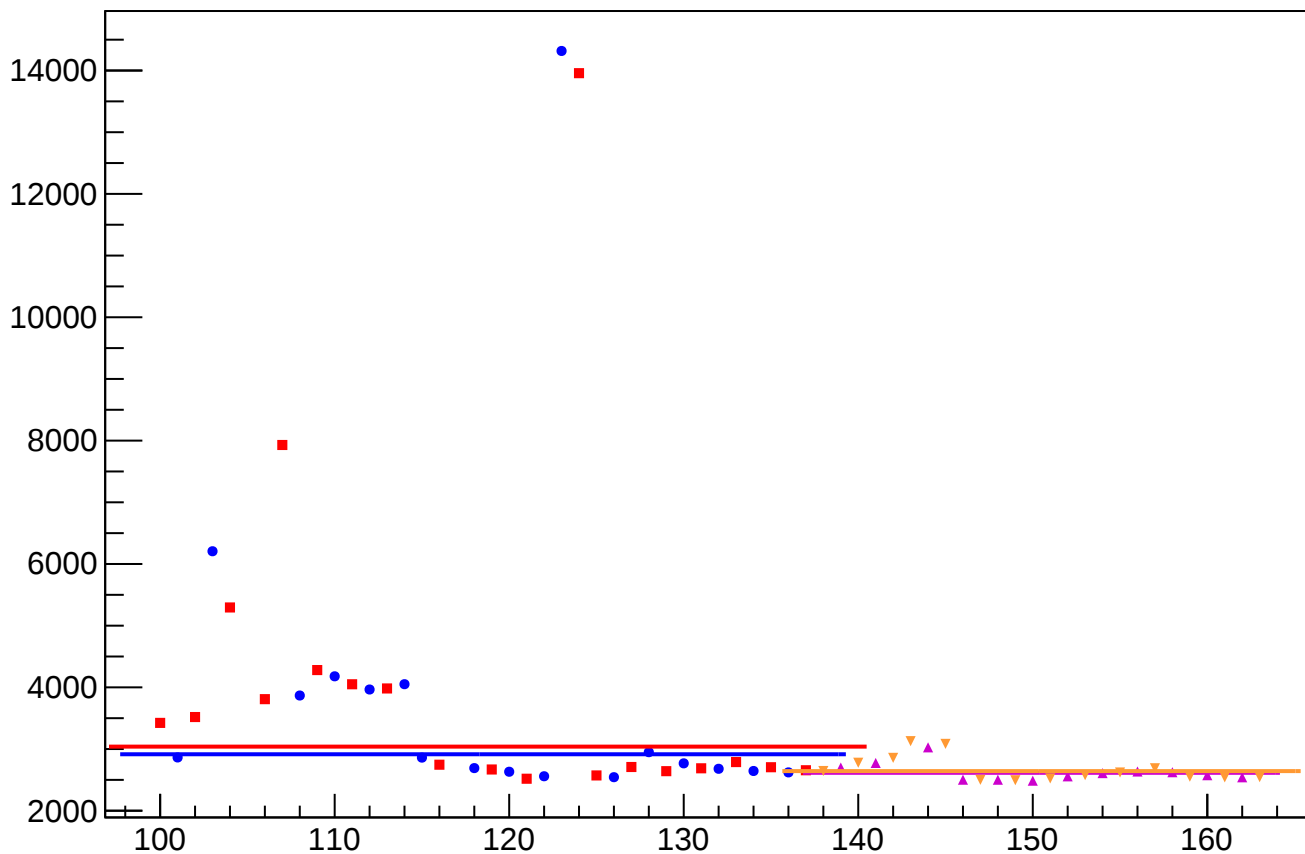
Right: 1631.633+/-829.783 χ^2 /NDF: 40.1/35

In: 1695.864+/-680.729 χ^2 /NDF:27.7/28

Out: 1561.456+/-672.855 χ^2 /NDF:41.5/32

All: 1627.878+/-478.540 χ^2 /NDF: 69.2/61

asym_atl1_rms vs Slug, Sign Corrected



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

Left Out: 2642.181+/-0.578 χ^2/NDF :94063.2/13

Right Out: 3039.139+/-0.839 χ^2/NDF : 1011383.0/18

Left In: 2614.599+/-0.594 χ^2/NDF :52312.3/11

Left: 2628.786+/-0.414 χ^2/NDF : 147483.2/25

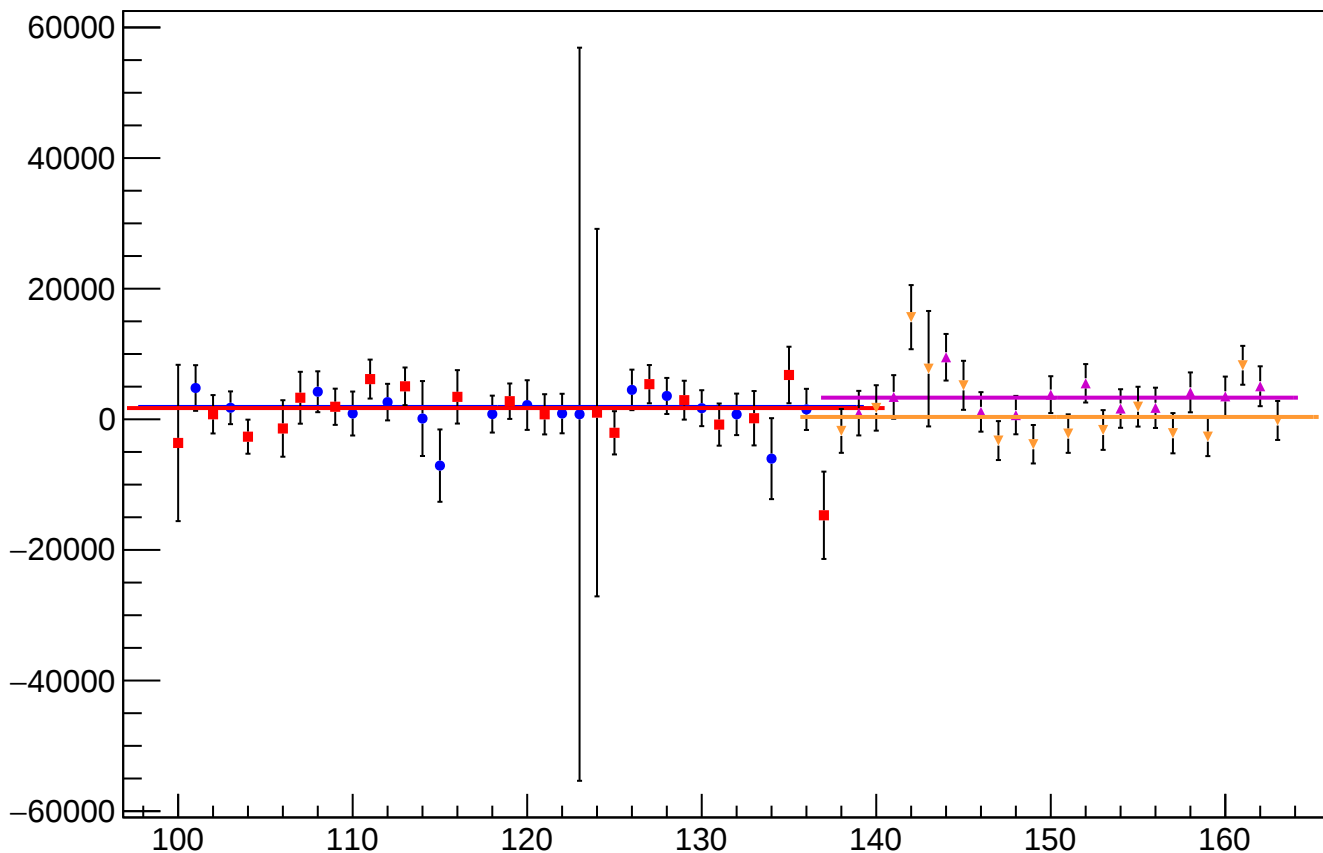
Right: 2975.767+/-0.587 χ^2/NDF : 1661668.2/35

In: 2718.043+/-0.481 χ^2/NDF :779472.4/28

Out: 2769.731+/-0.476 χ^2/NDF :1257248.9/32

All: 2744.188+/-0.338 χ^2/NDF : 2042553.7/63

reg_asym_atl2_mean vs Slug, Sign Corrected



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

Left Out: 359.841+/-877.798 χ^2/NDF :26.3/13

Right Out: 1719.130+/-790.110 χ^2/NDF : 19.0/18

Left In: 3313.551+/-889.434 χ^2/NDF :6.4/11

Left: 1817.249+/-624.770 χ^2/NDF : 38.3/25

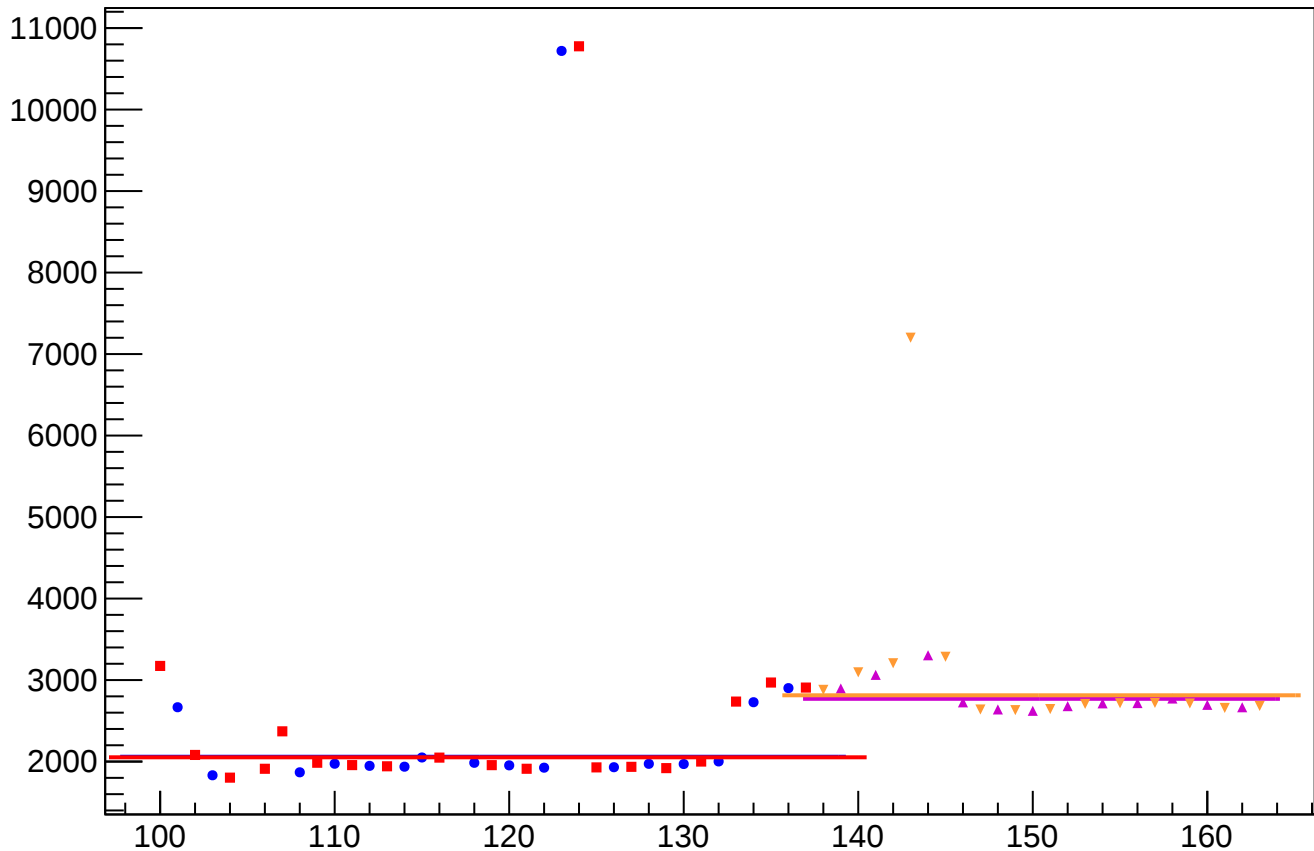
Right: 1802.263+/-566.080 χ^2/NDF : 26.2/35

In: 2536.596+/-599.452 χ^2/NDF :15.1/28

Out: 1110.751+/-587.254 χ^2/NDF :46.6/32

All: 1809.019+/-419.497 χ^2/NDF : 64.5/61

reg_asym_atl2_rms vs Slug, Sign Corrected



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

Left Out: 2813.122+/-0.621 χ^2/NDF : 590309.7/13

Right Out: 2052.260+/-0.559 χ^2/NDF : 443321.6/18

Left In: 2769.972+/-0.629 χ^2/NDF : 79580.3/11

Left: 2791.831+/-0.442 χ^2/NDF : 672274.6/25

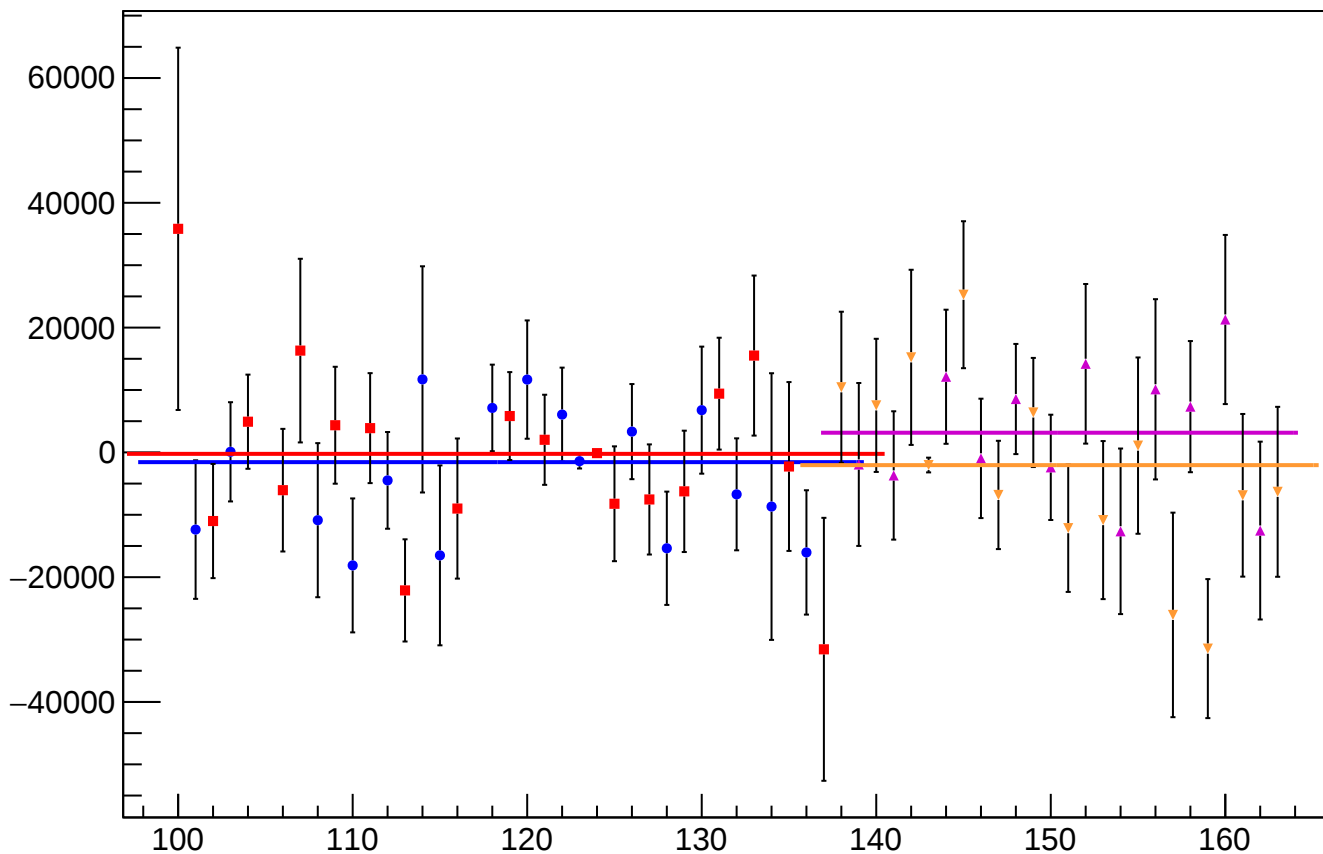
Right: 2055.522+/-0.400 χ^2/NDF : 761953.2/35

In: 2381.929+/-0.424 χ^2/NDF : 1095664.9/28

Out: 2392.798+/-0.415 χ^2/NDF : 1863733.1/32

All: 2387.475+/-0.297 χ^2/NDF : 2959733.5/63

asym_atl2_correction_mean vs Slug, Sign Corrected



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

Left Out: -2043.481 $\pm$ 1108.994 χ^2 /NDF: 20.9/13

Right Out: -236.197 $\pm$ 695.167 χ^2 /NDF: 20.8/18

Left In: 3151.158 $\pm$ 3197.868 χ^2 /NDF: 7.8/11

Left: -1485.818 $\pm$ 1047.777 χ^2 /NDF: 31.1/25

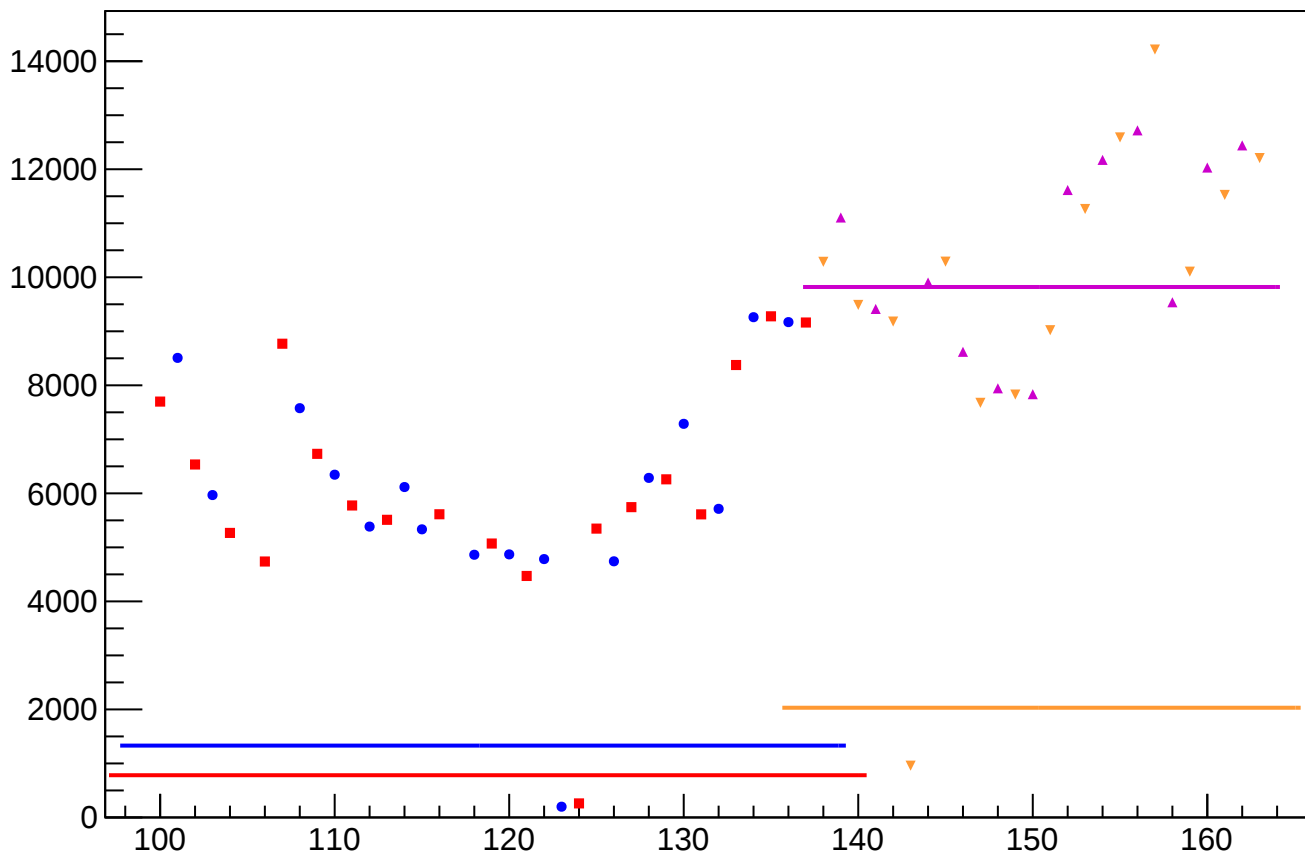
Right: -638.499 $\pm$ 580.304 χ^2 /NDF: 38.1/35

In: -1101.309 $\pm$ 1000.983 χ^2 /NDF: 26.0/28

Out: -746.016 $\pm$ 589.012 χ^2 /NDF: 43.6/32

All: -837.397 $\pm$ 507.645 χ^2 /NDF: 69.7/61

asym_atl2_correction_rms vs Slug, Sign Corrected



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

Left Out: 2031.187 +/- 0.784 χ^2/NDF : 14227051.0/13

Right Out: 781.848 +/- 0.492 χ^2/NDF : 11439893.7/18

Left In: 9820.286 +/- 2.261 χ^2/NDF : 560306.6/11

Left: 2867.375 +/- 0.741 χ^2/NDF : 25378988.2/25

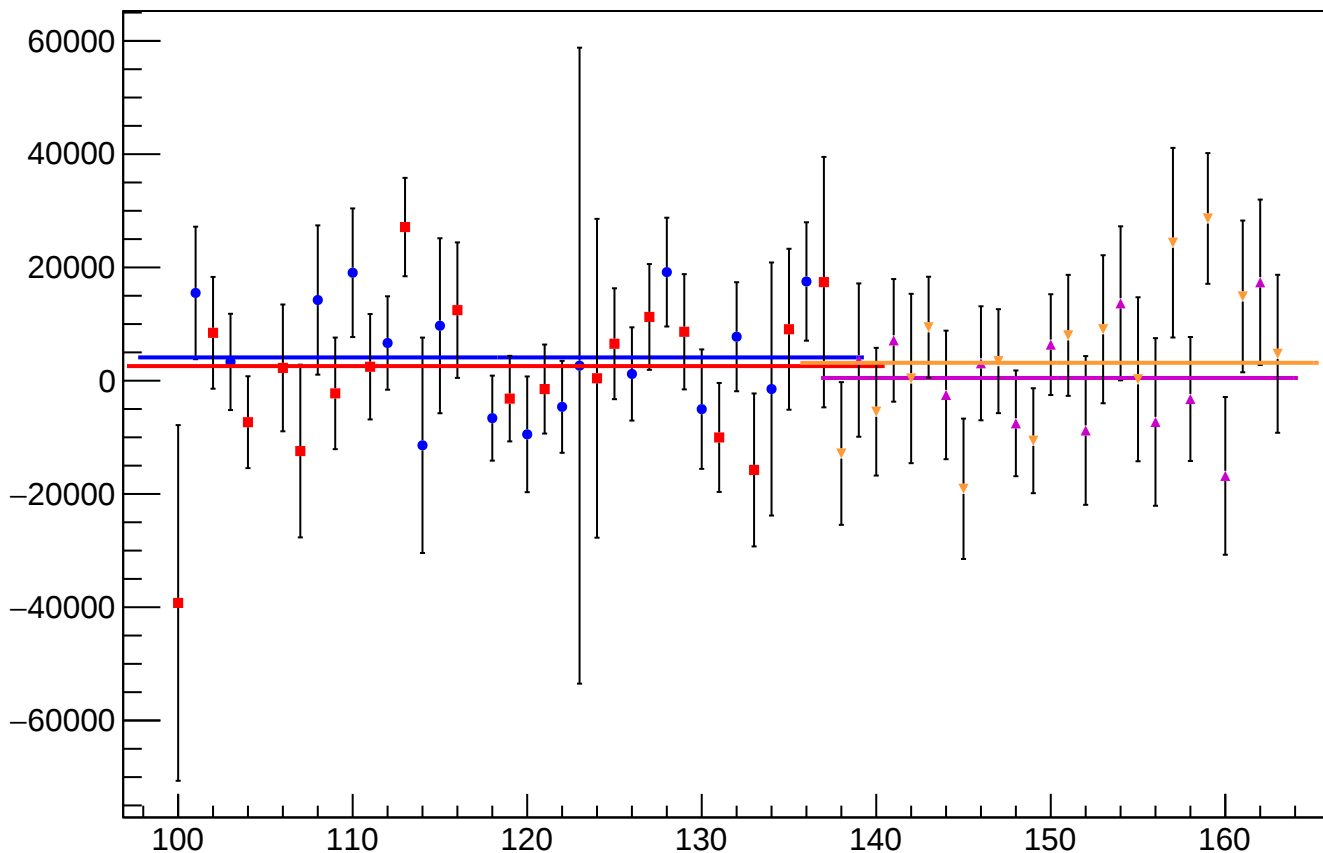
Right: 948.102 +/- 0.410 χ^2/NDF : 21864055.1/35

In: 2162.093 +/- 0.708 χ^2/NDF : 23322967.2/28

Out: 1134.275 +/- 0.416 χ^2/NDF : 27489168.9/32

All: 1398.628 +/- 0.359 χ^2/NDF : 52378462.3/6

asym_atl2_mean vs Slug, Sign Corrected



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

Left Out: 3157.873 $\pm$ 3125.053 χ^2/NDF : 15.9/13

Right Out: 2577.719 $\pm$ 2420.480 χ^2/NDF : 20.0/18

Left In: 480.666 $\pm$ 3339.420 χ^2/NDF : 6.4/11

Left: 1907.950 $\pm$ 2281.769 χ^2/NDF : 22.7/25

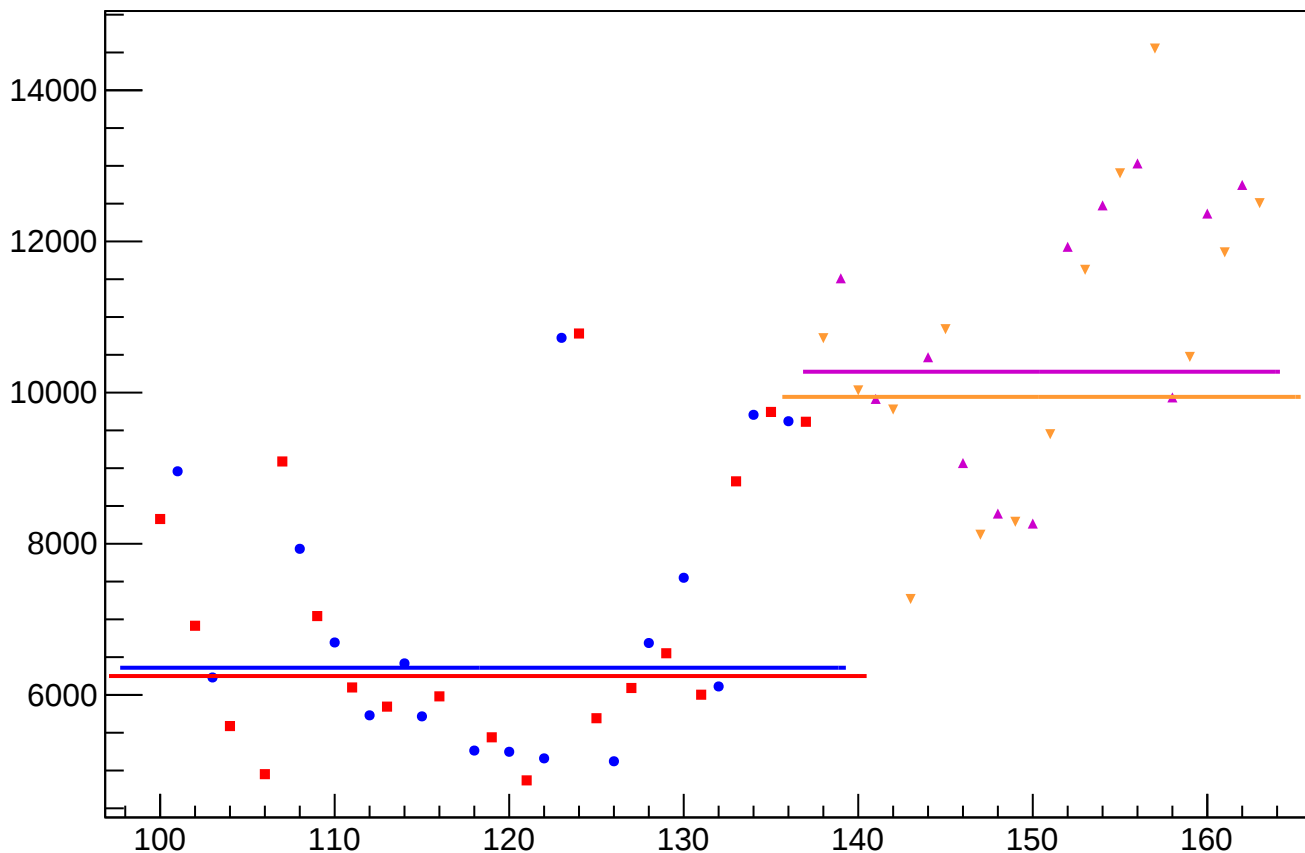
Right: 3309.487 $\pm$ 1750.441 χ^2/NDF : 34.5/35

In: 2784.673 $\pm$ 2018.852 χ^2/NDF : 21.5/28

Out: 2795.257 $\pm$ 1913.610 χ^2/NDF : 35.8/32

All: 2790.248 $\pm$ 1388.842 χ^2/NDF : 57.4/61

asym_atl2_rms vs Slug, Sign Corrected



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

Left Out: 9943.515+/-2.210 χ^2/NDF : 725463.1/13

Right Out: 6250.049+/-1.711 χ^2/NDF : 532966.2/18

Left In: 10276.144+/-2.361 χ^2/NDF : 488719.0/11

Left: 10098.812+/-1.613 χ^2/NDF : 1224761.0/25

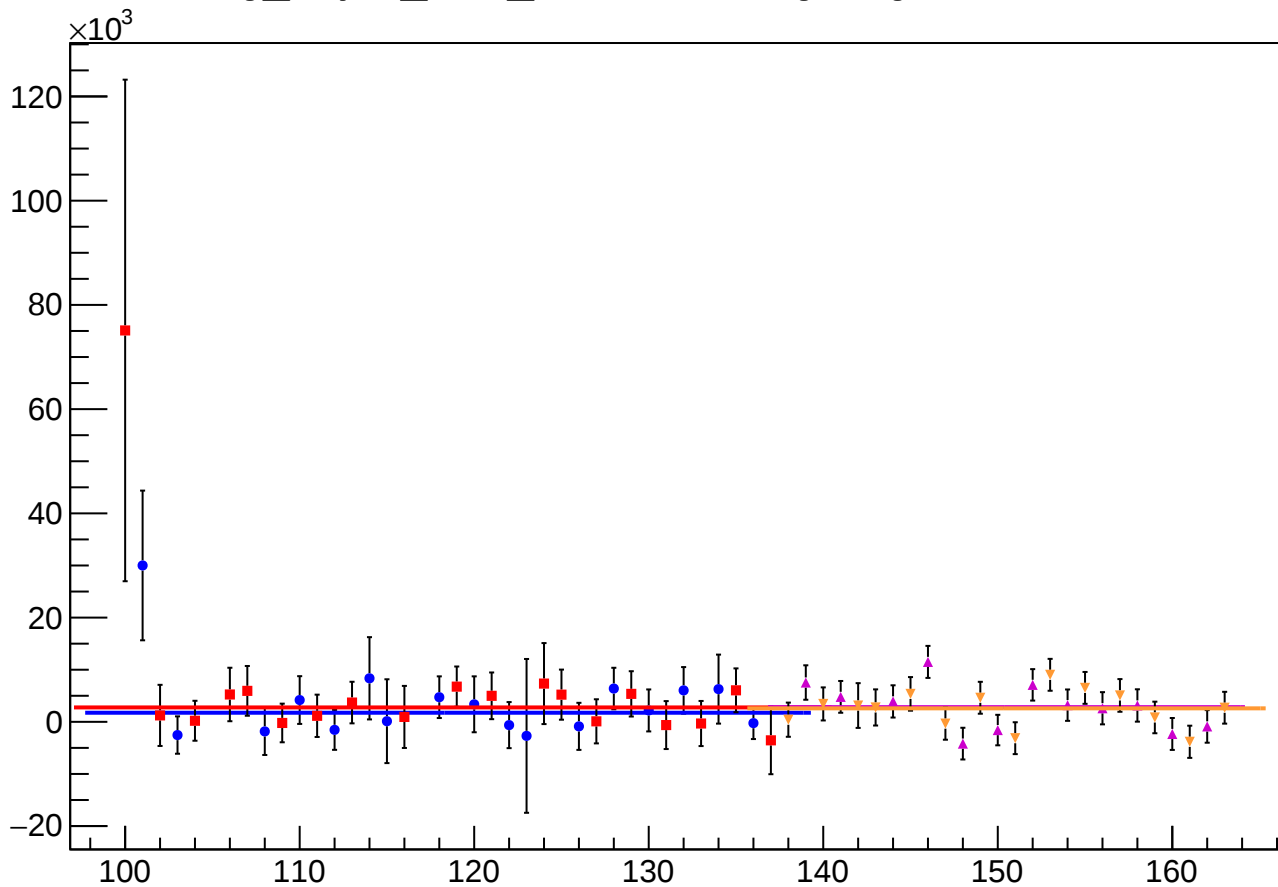
Right: 6302.460+/-1.238 χ^2/NDF : 1115403.3/35

In: 7791.229+/-1.428 χ^2/NDF : 2814474.6/28

Out: 7634.893+/-1.353 χ^2/NDF : 3004661.5/32

All: 7708.878+/-0.982 χ^2/NDF : 5825453.6/63

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1746.001+/-1128.522 χ^2/NDF : 12.2/16

Left Out: 2588.074+/-850.962 χ^2/NDF : 17.5/13

Right Out: 2763.863+/-1071.947 χ^2/NDF : 9.7/18

Left In: 2822.879+/-886.663 χ^2/NDF : 24.4/11

Left: 2700.654+/-613.954 χ^2/NDF : 41.9/25

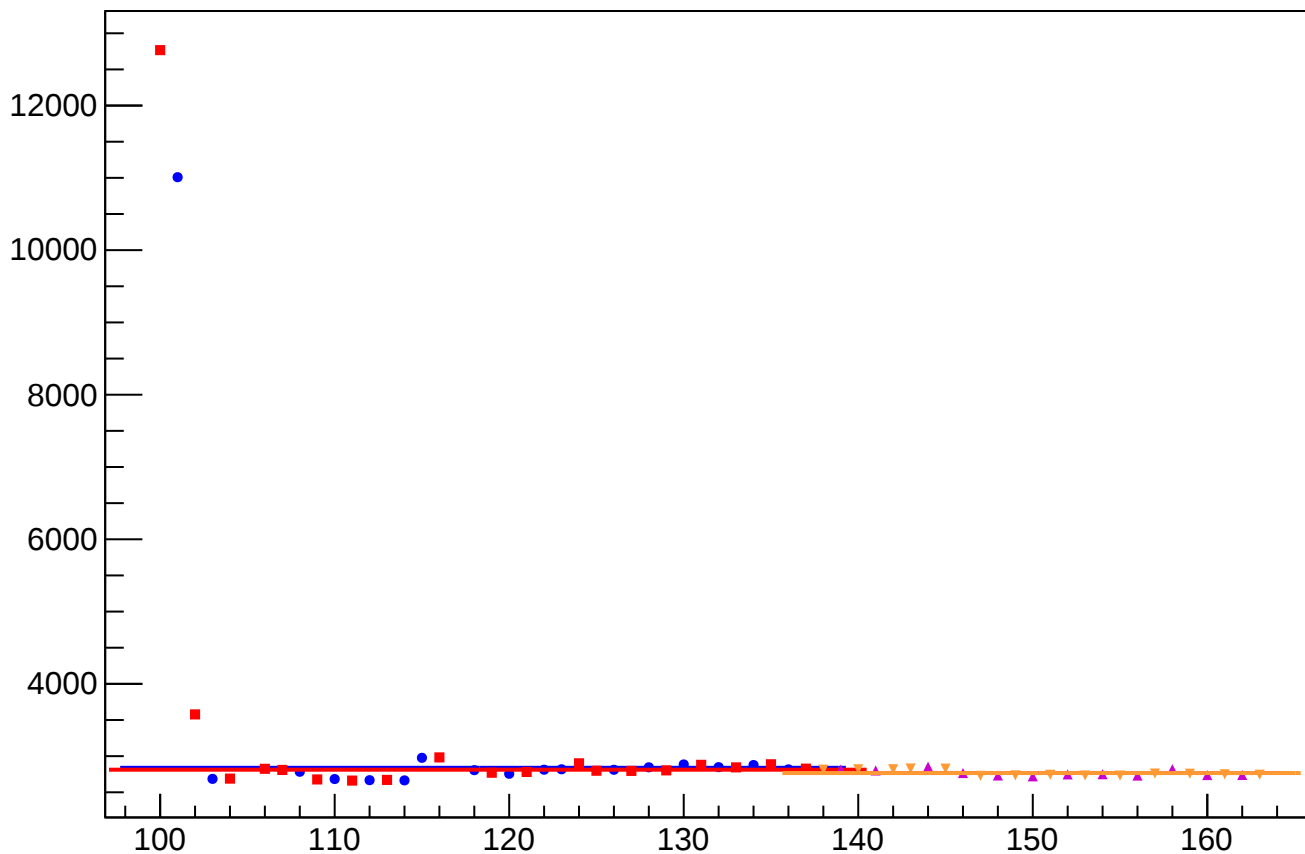
Right: 2281.084+/-777.212 χ^2/NDF : 22.3/35

In: 2411.849+/-697.209 χ^2/NDF : 37.2/28

Out: 2656.030+/-666.485 χ^2/NDF : 27.2/32

All: 2539.438+/-481.772 χ^2/NDF : 64.4/61

reg_asym_atr1_rms vs Slug, Sign Corrected



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

Left Out: 2766.262 $\pm$ 0.602 χ^2 /NDF: 3988.9/13

Right Out: 2812.627 $\pm$ 0.758 χ^2 /NDF: 133064.0/18

Left In: 2767.106 $\pm$ 0.627 χ^2 /NDF: 4356.8/11

Left: 2766.667 $\pm$ 0.434 χ^2 /NDF: 8346.6/25

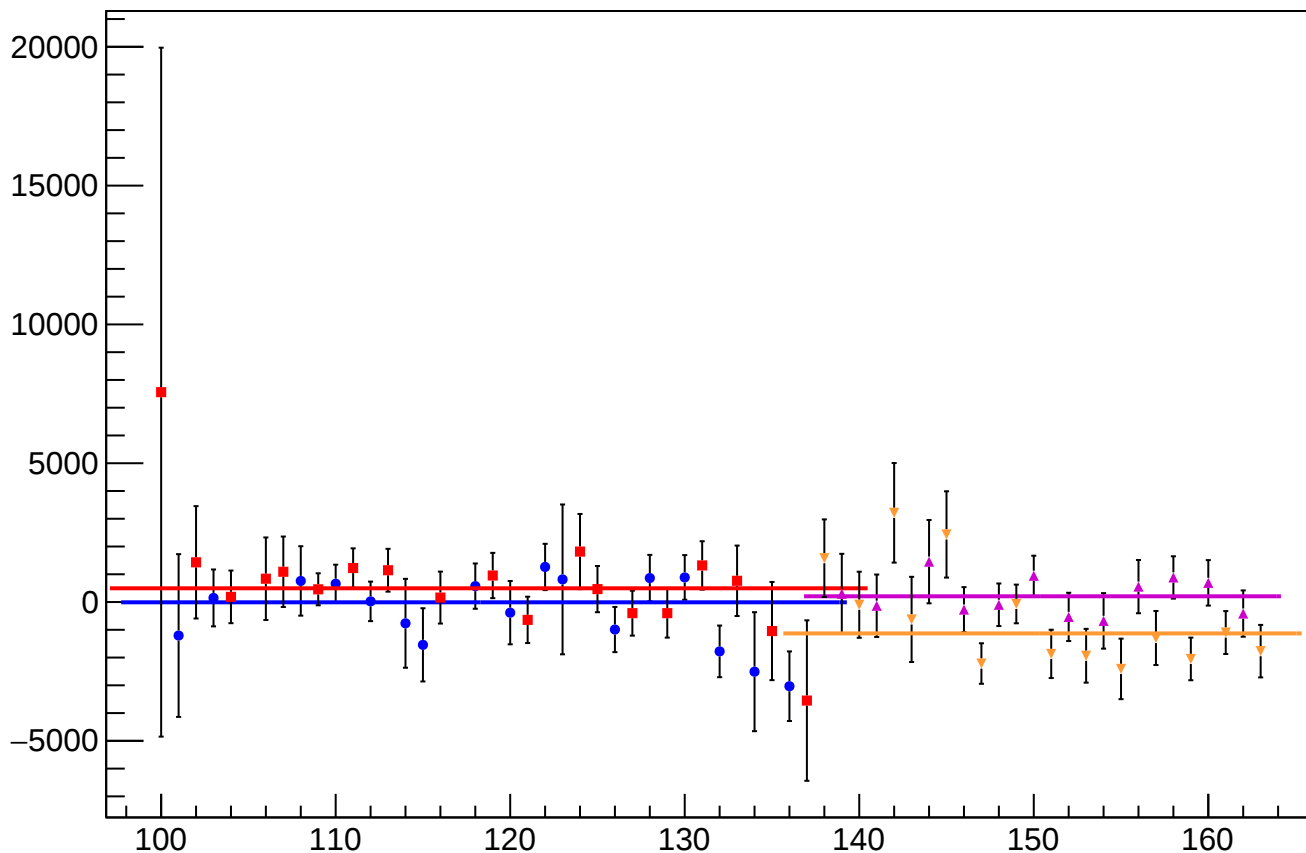
Right: 2825.011 $\pm$ 0.550 χ^2 /NDF: 793836.1/35

In: 2794.447 $\pm$ 0.493 χ^2 /NDF: 669548.2/28

Out: 2784.186 $\pm$ 0.471 χ^2 /NDF: 139348.2/32

All: 2789.085 $\pm$ 0.341 χ^2 /NDF: 809122.8/61

asym_atr1_correction_mean vs Slug, Sign Corrected



Right In: -9.845 $\pm$ 241.678 χ^2/NDF : 20.7/16

Left Out: -1130.288 $\pm$ 257.488 χ^2/NDF : 25.0/13

Right Out: 495.250 $\pm$ 221.487 χ^2/NDF : 11.9/18

Left In: 207.108 $\pm$ 258.820 χ^2/NDF : 5.7/11

Left: -465.038 $\pm$ 182.541 χ^2/NDF : 44.1/25

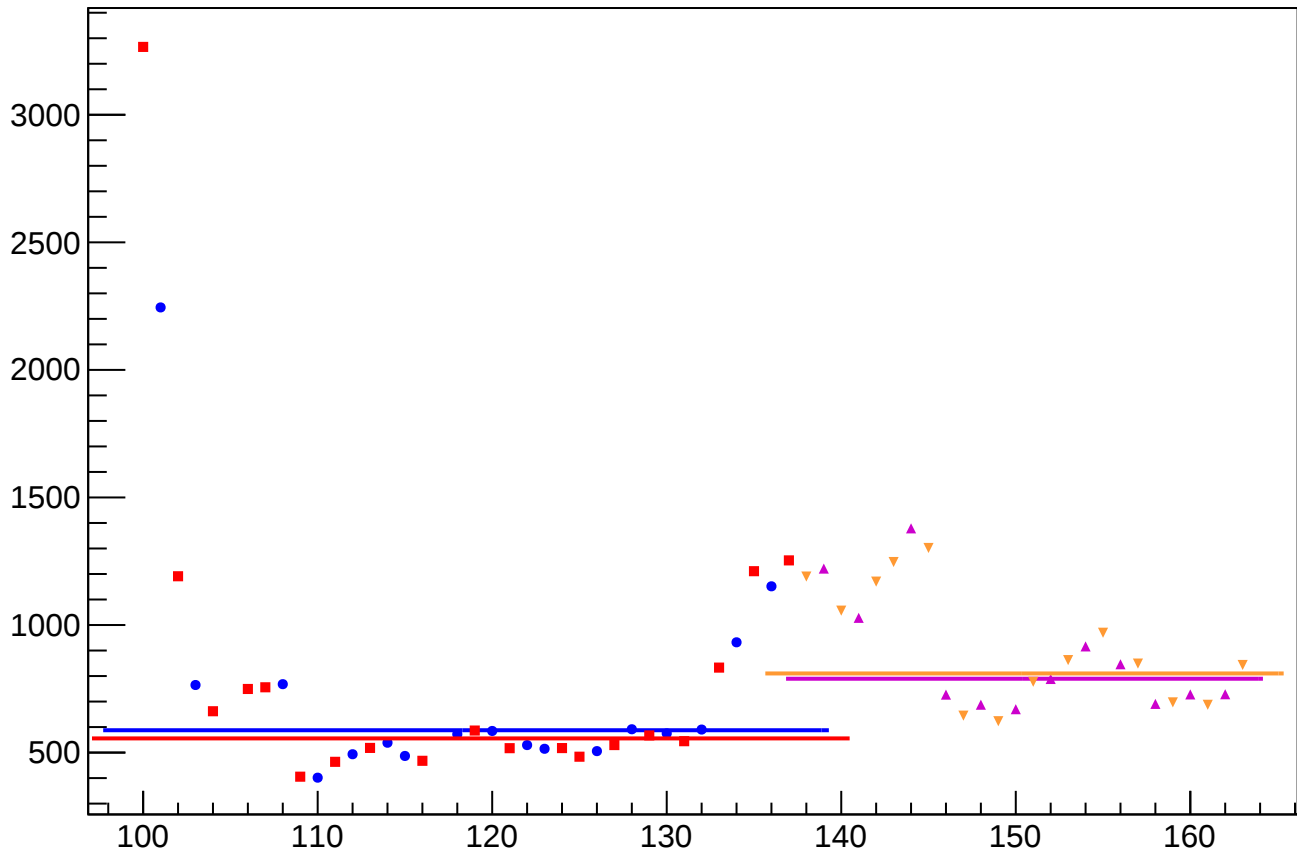
Right: 264.680 $\pm$ 163.287 χ^2/NDF : 35.0/35

In: 91.210 $\pm$ 176.642 χ^2/NDF : 26.8/28

Out: -196.024 $\pm$ 167.913 χ^2/NDF : 59.8/32

All: -59.679 $\pm$ 121.701 χ^2/NDF : 87.9/61

asym_atr1_correction_rms vs Slug, Sign Corrected



Right In: 587.596 ± 0.171 $\chi^2/\text{NDF}: 1425769.6/16$

Left Out: 810.163 ± 0.182 $\chi^2/\text{NDF}: 1074856.2/13$

Right Out: 555.534 ± 0.157 $\chi^2/\text{NDF}: 1106760.5/18$

Left In: 789.435 ± 0.183 $\chi^2/\text{NDF}: 774600.1/11$

Left: 799.852 ± 0.129 $\chi^2/\text{NDF}: 1855903.5/25$

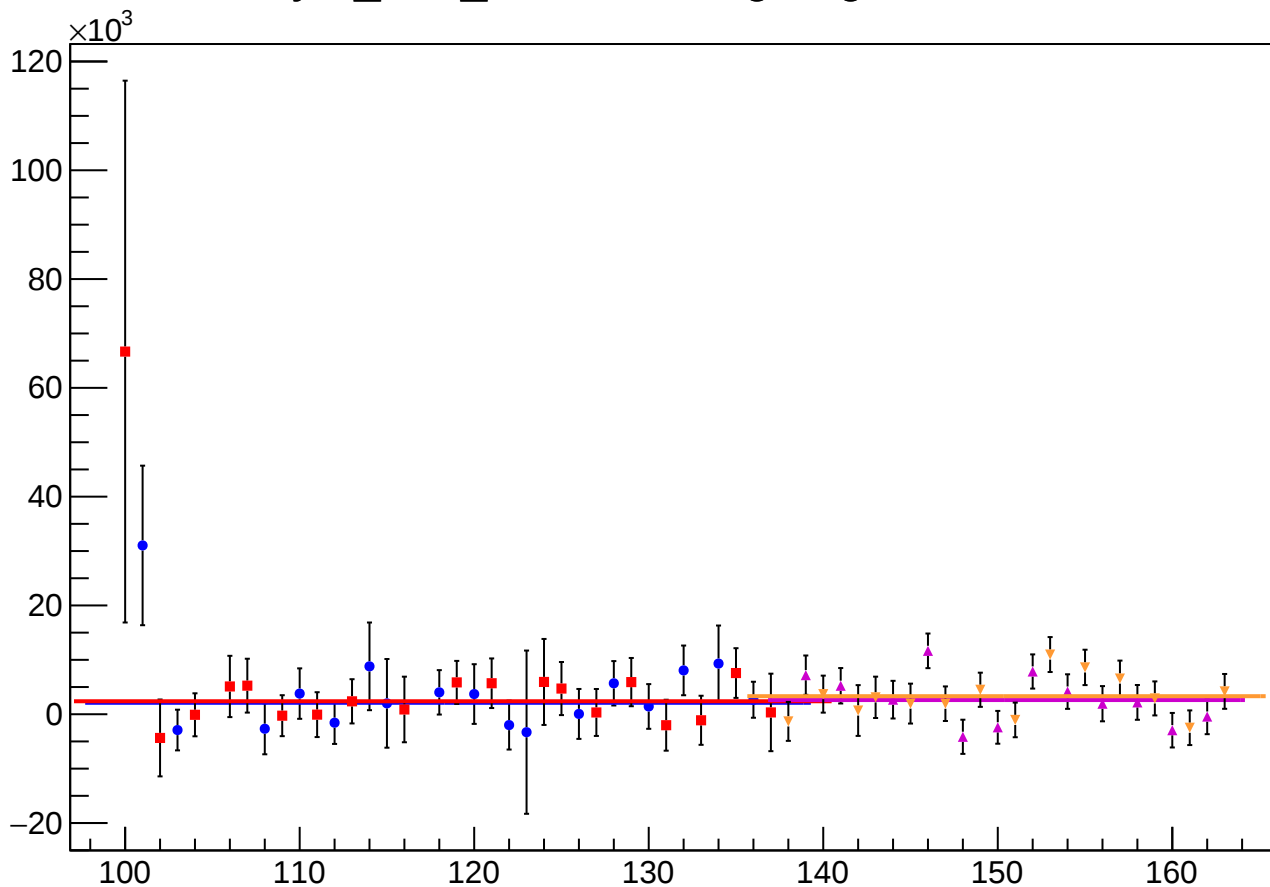
Right: 570.170 ± 0.115 $\chi^2/\text{NDF}: 2551661.9/35$

In: 681.611 ± 0.125 $\chi^2/\text{NDF}: 2850131.7/28$

Out: 663.817 ± 0.119 $\chi^2/\text{NDF}: 3305714.4/32$

All: 672.264 ± 0.086 $\chi^2/\text{NDF}: 6166507.0/61$

asym_atr1_mean vs Slug, Sign Corrected



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

Left Out: 3316.928 ± 899.931 χ^2/NDF : 17.1/13

Right Out: 2385.851 ± 1110.248 χ^2/NDF : 9.9/18

Left In: 2608.292 ± 931.575 χ^2/NDF : 24.7/11

Left: 2974.850 ± 647.245 χ^2/NDF : 42.1/25

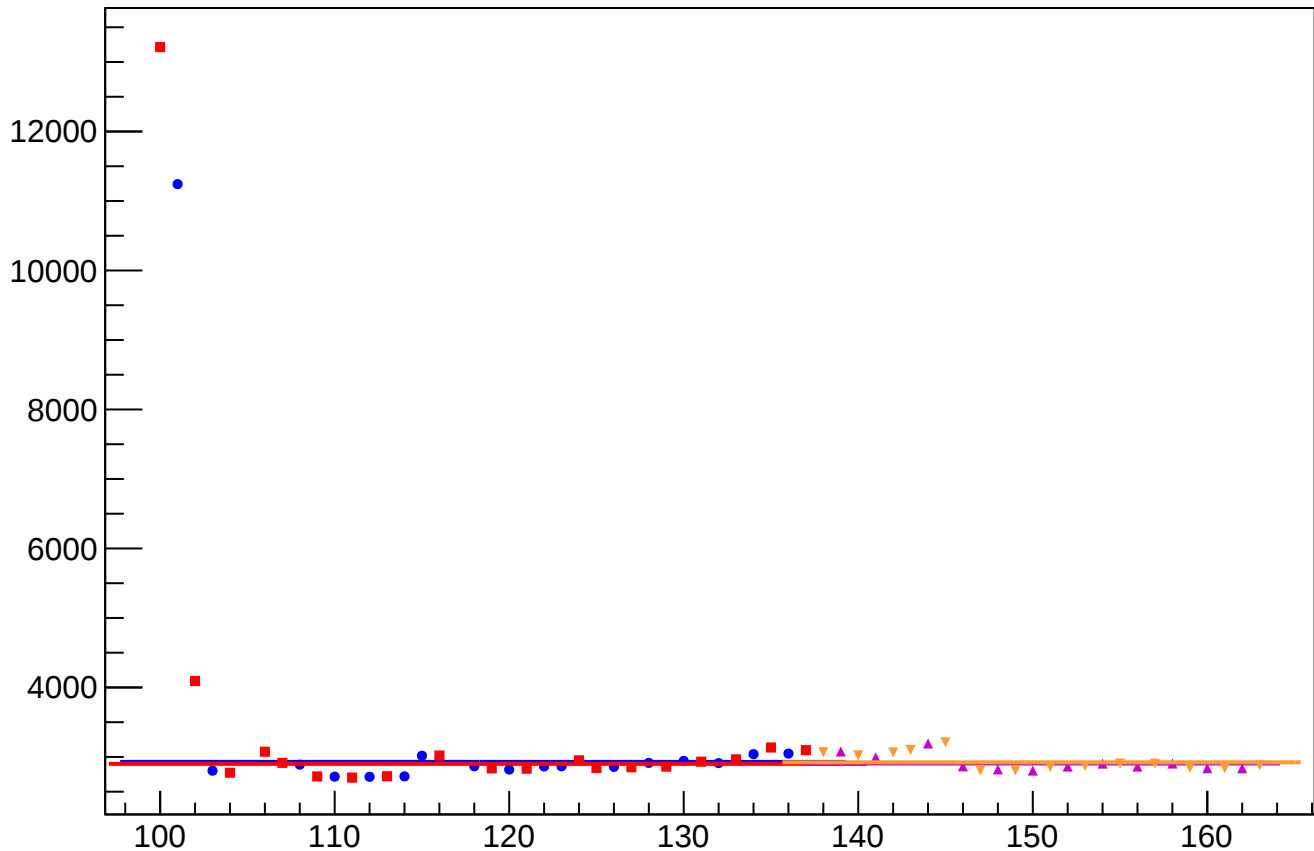
Right: 2253.766 ± 803.505 χ^2/NDF : 23.4/35

In: 2413.223 ± 727.406 χ^2/NDF : 38.3/28

Out: 2947.749 ± 699.110 χ^2/NDF : 27.4/32

All: 2691.085 ± 504.052 χ^2/NDF : 66.0/61

asym_atr1_rms vs Slug, Sign Corrected



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

Left Out: 2922.899+/-0.636 χ^2/NDF : 33890.5/13

Right Out: 2900.472+/-0.785 χ^2/NDF : 169720.6/18

Left In: 2905.596+/-0.659 χ^2/NDF : 26485.9/11

Left: 2914.546+/-0.458 χ^2/NDF : 60733.3/25

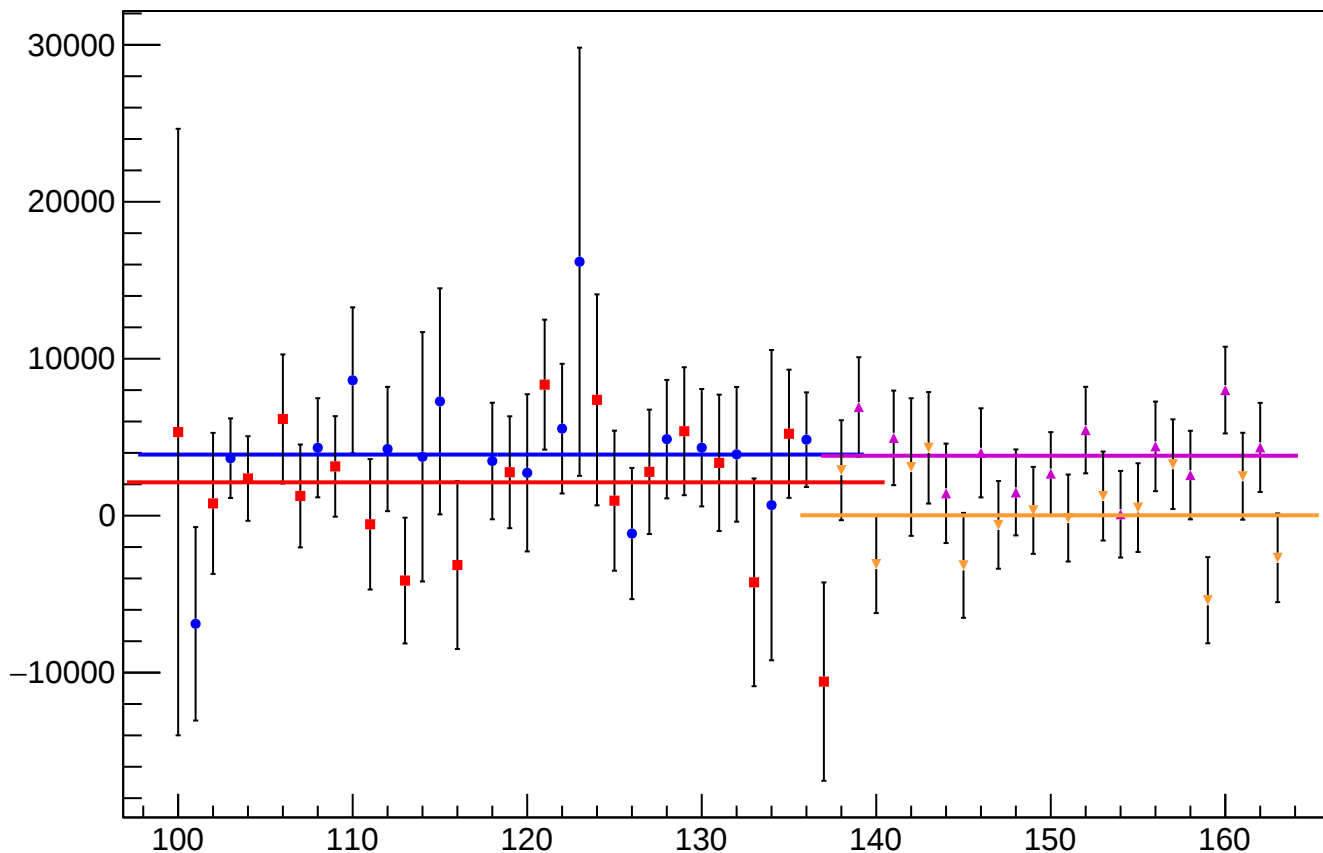
Right: 2913.915+/-0.568 χ^2/NDF : 832699.2/35

In: 2914.613+/-0.514 χ^2/NDF : 689328.9/28

Out: 2914.007+/-0.494 χ^2/NDF : 204103.6/32

All: 2914.298+/-0.356 χ^2/NDF : 893433.2/61

reg_asym_atr2_mean vs Slug, Sign Corrected



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

Left Out: 24.126+/-797.926 χ^2/NDF : 11.9/13

Right Out: 2124.700+/-958.418 χ^2/NDF : 14.3/18

Left In: 3819.755+/-823.289 χ^2/NDF : 7.3/11

Left: 1862.574+/-572.976 χ^2/NDF : 30.1/25

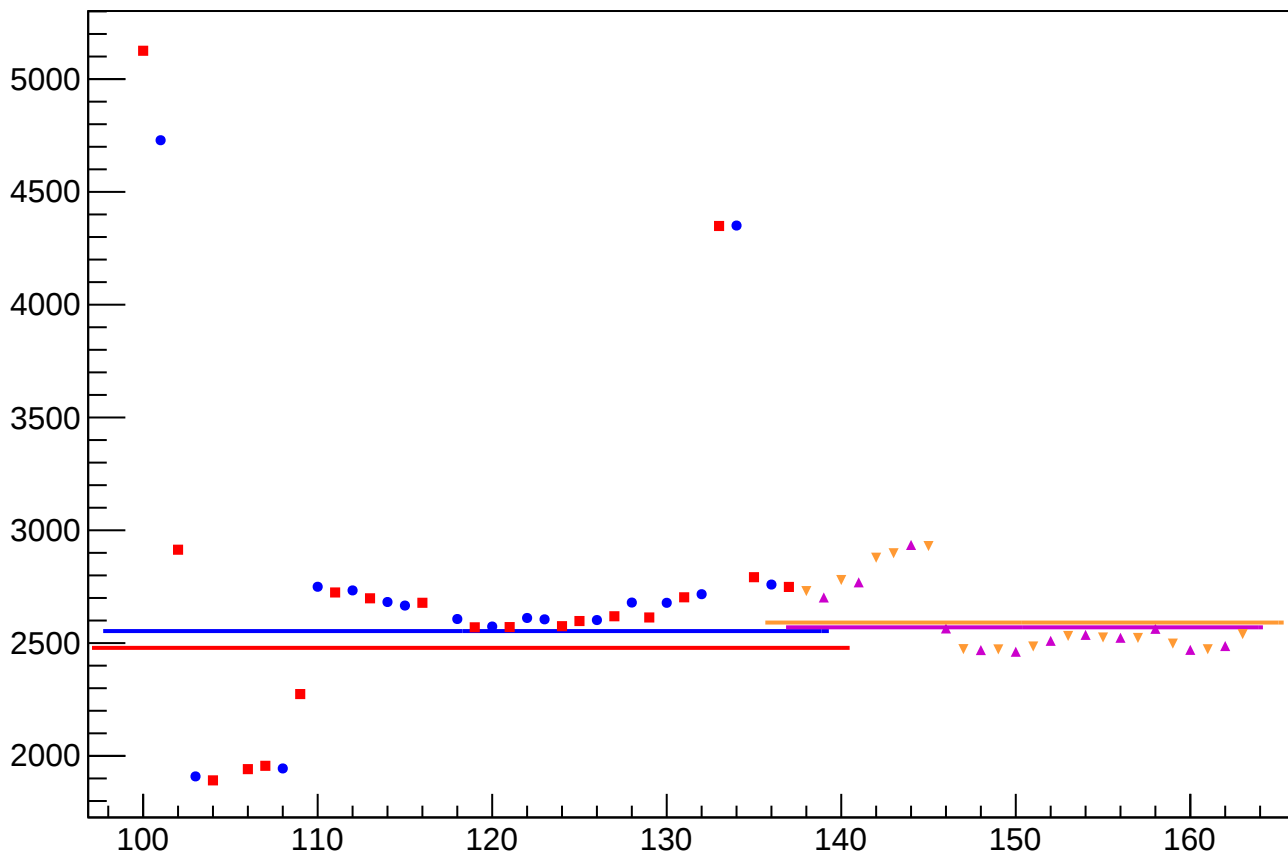
Right: 2960.811+/-695.784 χ^2/NDF : 23.1/35

In: 3848.737+/-638.575 χ^2/NDF : 14.5/28

Out: 884.055+/-613.222 χ^2/NDF : 29.0/32

All: 2306.376+/-442.305 χ^2/NDF : 54.7/61

reg_asym_atr2_rms vs Slug, Sign Corrected



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

Left Out: 2591.049+/-0.564 χ^2/NDF : 75143.4/13

Right Out: 2478.860+/-0.678 χ^2/NDF : 449502.6/18

Left In: 2569.836+/-0.582 χ^2/NDF : 50957.1/11

Left: 2580.774+/-0.405 χ^2/NDF : 126785.1/25

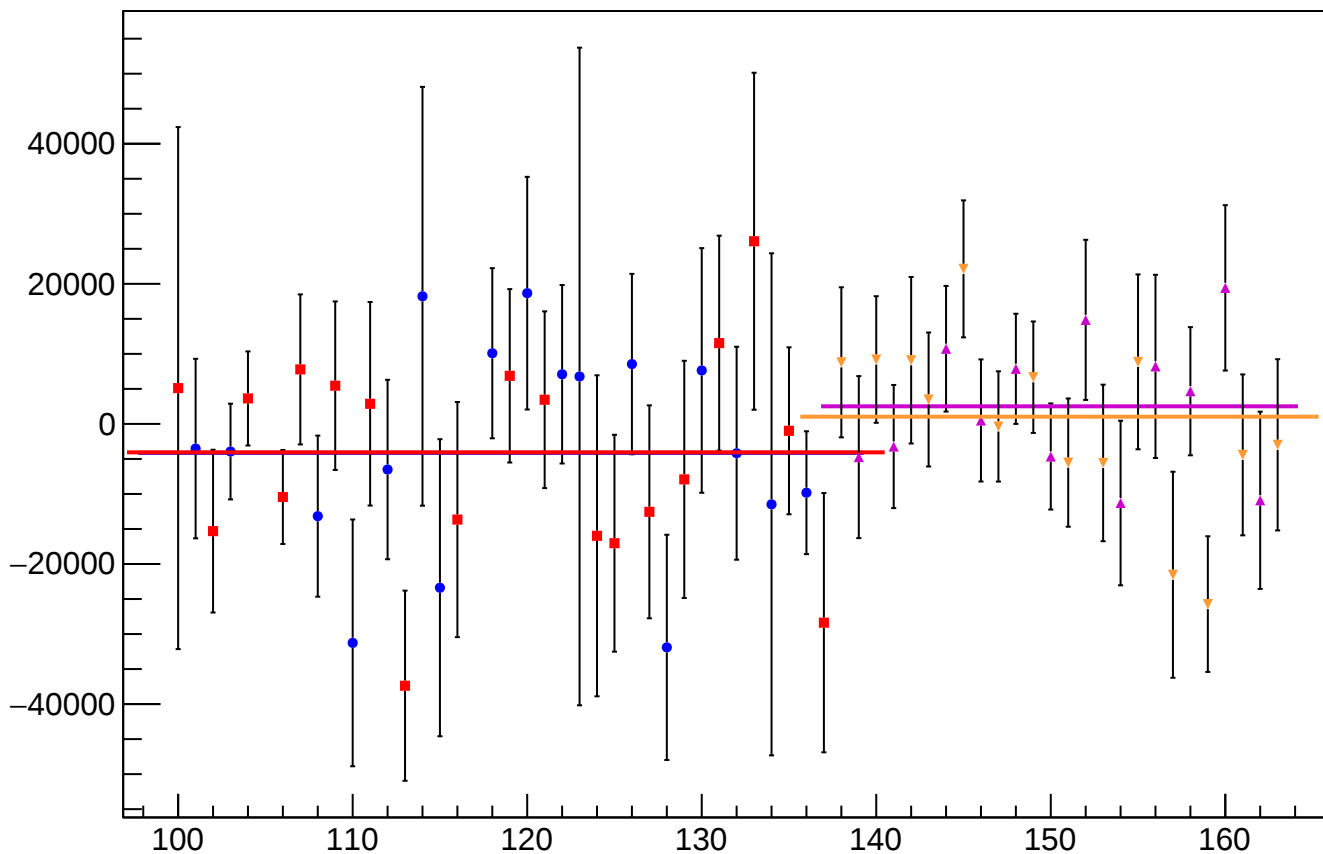
Right: 2514.058+/-0.492 χ^2/NDF : 1000433.0/35

In: 2563.241+/-0.452 χ^2/NDF : 596506.2/28

Out: 2545.121+/-0.434 χ^2/NDF : 540831.6/32

All: 2553.814+/-0.313 χ^2/NDF : 1138175.6/63

asym_atr2_correction_mean vs Slug, Sign Corrected



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

Left Out: 1031.672+/-2699.036 χ^2/NDF : 18.6/13

Right Out: -4060.328+/-2834.326 χ^2/NDF : 18.5/18

Left In: 2512.345+/-2820.248 χ^2/NDF : 9.0/11

Left: 1739.507+/-1949.950 χ^2/NDF : 27.8/25

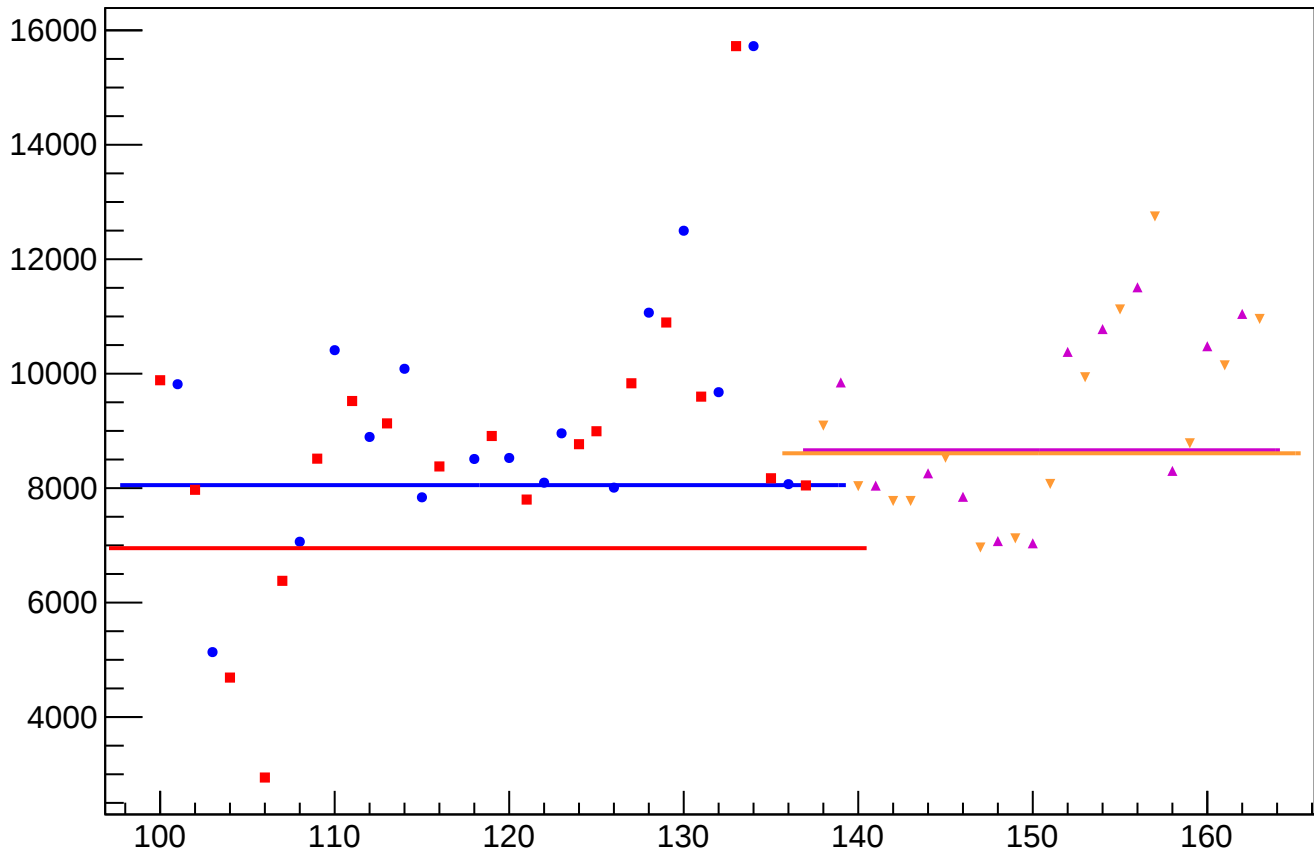
Right: -4089.066+/-2129.557 χ^2/NDF : 31.9/35

In: -362.421+/-2123.566 χ^2/NDF : 24.8/28

Out: -1389.903+/-1954.585 χ^2/NDF : 38.8/32

All: -918.664+/-1438.135 χ^2/NDF : 63.8/61

asym_atr2_correction_rms vs Slug, Sign Corrected



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

Left Out: 8609.063 $\pm$ 1.909 χ^2 /NDF: 579419.8/13

Right Out: 6950.943 $\pm$ 2.004 χ^2 /NDF: 1776578.9/18

Left In: 8661.517 $\pm$ 1.994 χ^2 /NDF: 552441.4/11

Left: 8634.139 $\pm$ 1.379 χ^2 /NDF: 1132222.3/25

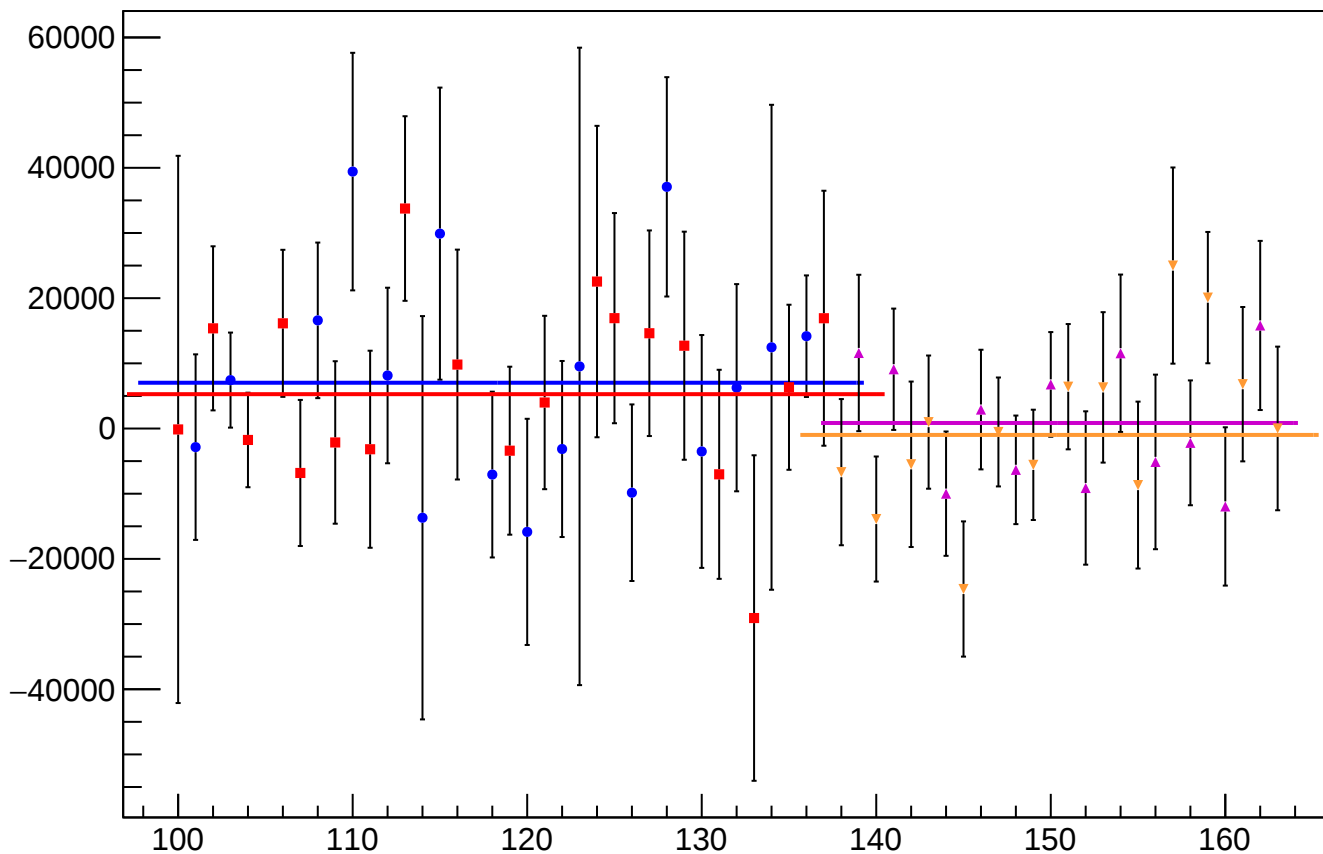
Right: 7430.673 $\pm$ 1.506 χ^2 /NDF: 2698872.2/35

In: 8397.815 $\pm$ 1.502 χ^2 /NDF: 1383545.2/28

Out: 7820.520 $\pm$ 1.382 χ^2 /NDF: 2714965.5/32

All: 8085.288 $\pm$ 1.017 χ^2 /NDF: 4178527.9/63

asym_atr2_mean vs Slug, Sign Corrected



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

Left Out: -981.495+/-2835.676 χ^2/NDF :16.9/13

Right Out: 5271.793+/-3168.195 χ^2/NDF : 13.4/18

Left In: 851.416+/-2954.370 χ^2/NDF :8.5/11

Left: -102.598+/-2045.800 χ^2/NDF : 25.5/25

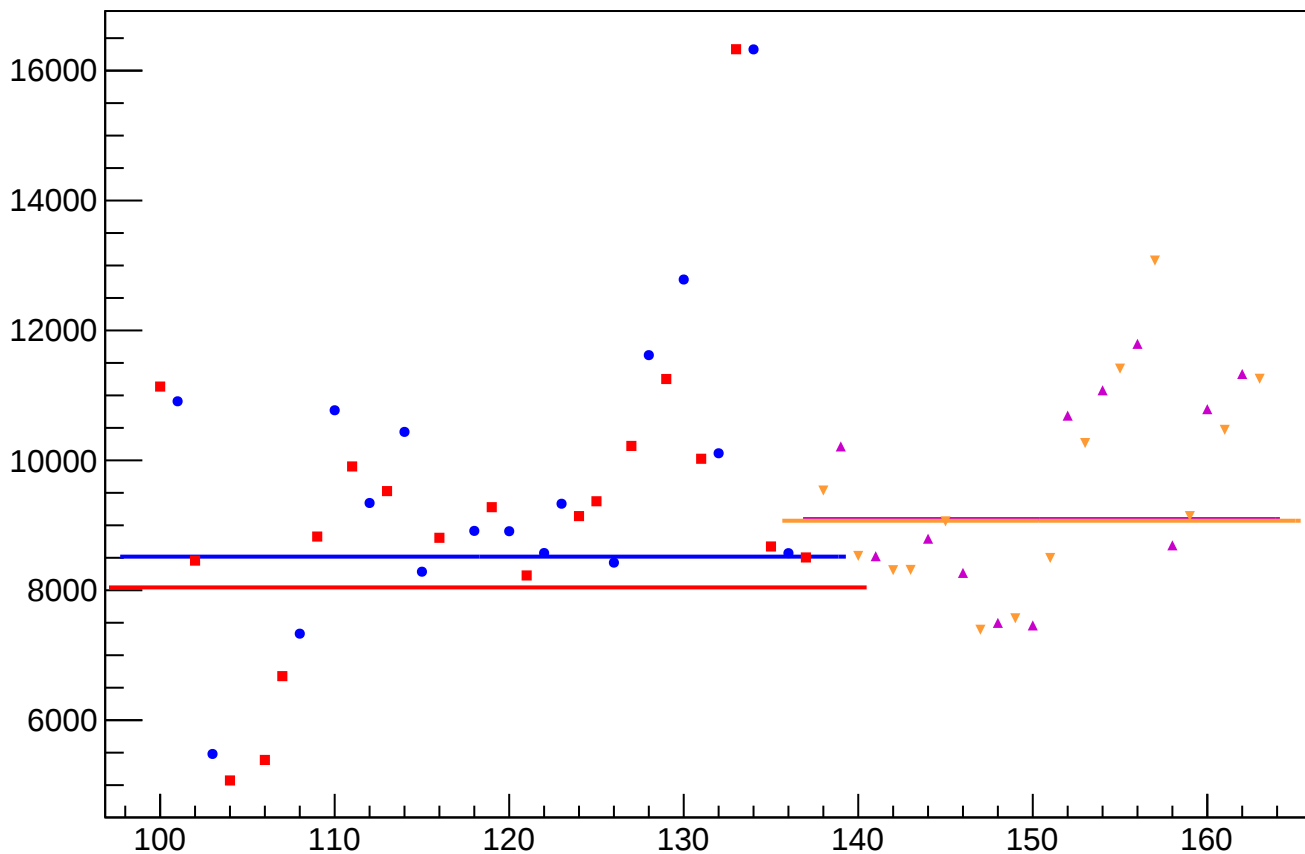
Right: 6084.354+/-2320.872 χ^2/NDF : 28.5/35

In: 3499.114+/-2232.754 χ^2/NDF :25.4/28

Out: 1799.875+/-2112.940 χ^2/NDF :32.4/32

All: 2602.681+/-1534.684 χ^2/NDF : 58.0/61

asym_atr2_rms vs Slug, Sign Corrected



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

Left Out: 9070.595+/-2.005 χ^2/NDF : 497509.2/13

Right Out: 8043.998+/-2.240 χ^2/NDF : 952125.8/18

Left In: 9096.755+/-2.089 χ^2/NDF : 473423.2/11

Left: 9083.139+/-1.447 χ^2/NDF : 971014.0/25

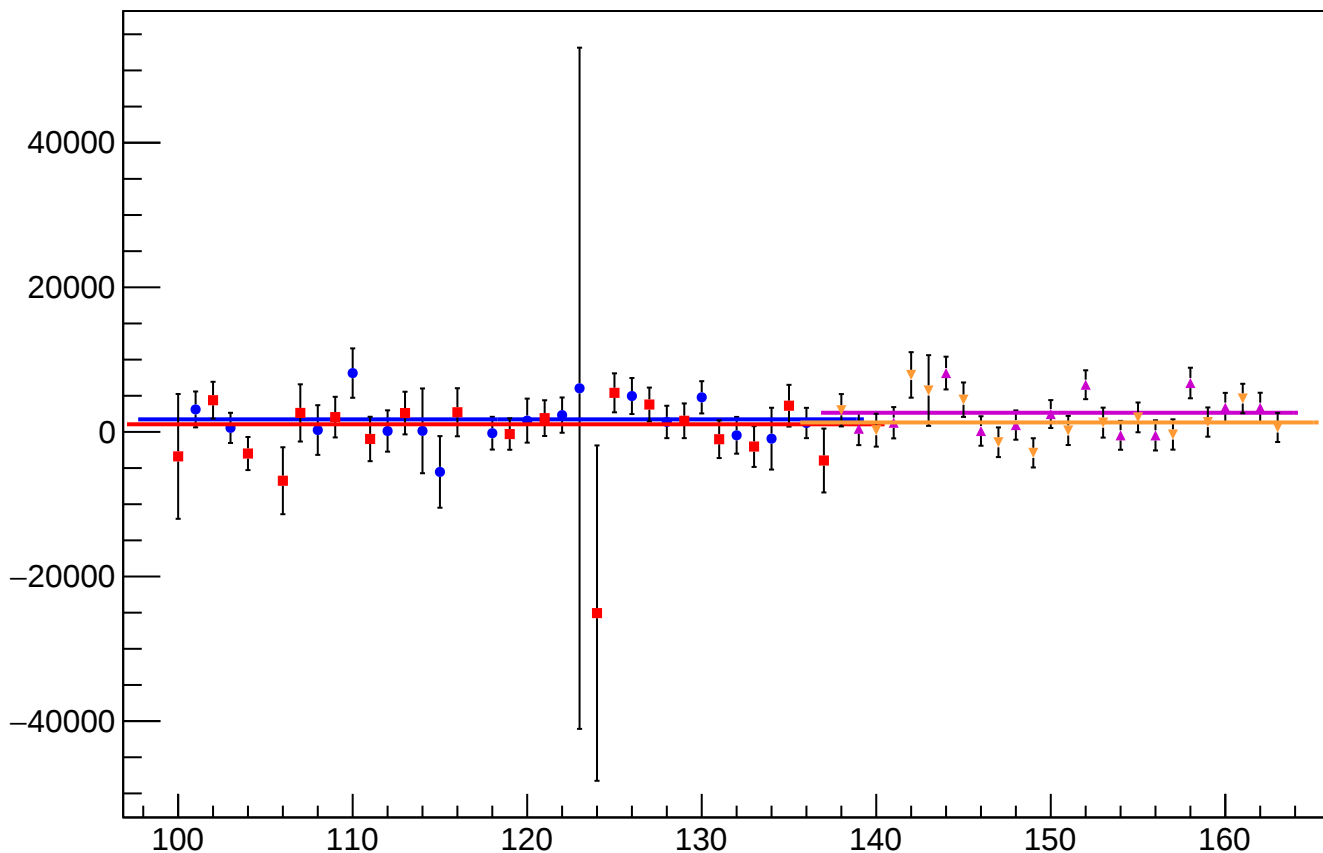
Right: 8263.573+/-1.641 χ^2/NDF : 1736141.9/35

In: 8848.509+/-1.579 χ^2/NDF : 1269632.5/28

Out: 8613.962+/-1.494 χ^2/NDF : 1566231.1/32

All: 8724.772+/-1.085 χ^2/NDF : 2847507.0/63

reg_asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: 1310.145+/-590.338 χ^2/NDF : 17.6/13

Right Out: 1055.584+/-670.984 χ^2/NDF : 18.9/18

Left In: 2650.284+/-599.470 χ^2/NDF : 21.9/11

Left: 1969.930+/-420.624 χ^2/NDF : 42.1/25

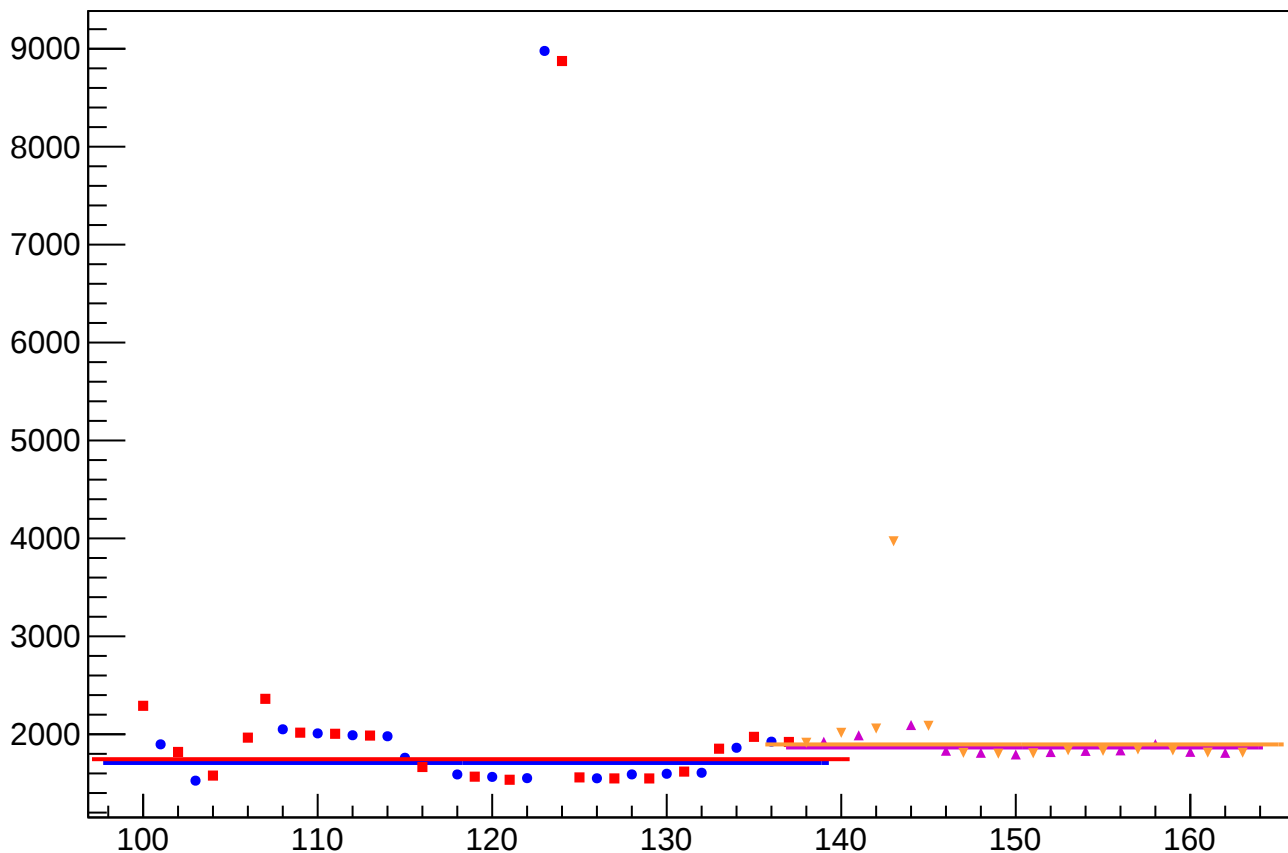
Right: 1397.913+/-474.249 χ^2/NDF : 31.8/35

In: 2245.665+/-446.868 χ^2/NDF : 35.4/28

Out: 1199.074+/-443.217 χ^2/NDF : 36.6/32

All: 1718.077+/-314.685 χ^2/NDF : 74.7/61

reg_asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 1896.148+/-0.417 χ^2/NDF : 409434.7/13

Right Out: 1745.434+/-0.472 χ^2/NDF : 399811.9/18

Left In: 1865.020+/-0.424 χ^2/NDF : 38035.6/11

Left: 1880.823+/-0.297 χ^2/NDF : 450208.1/25

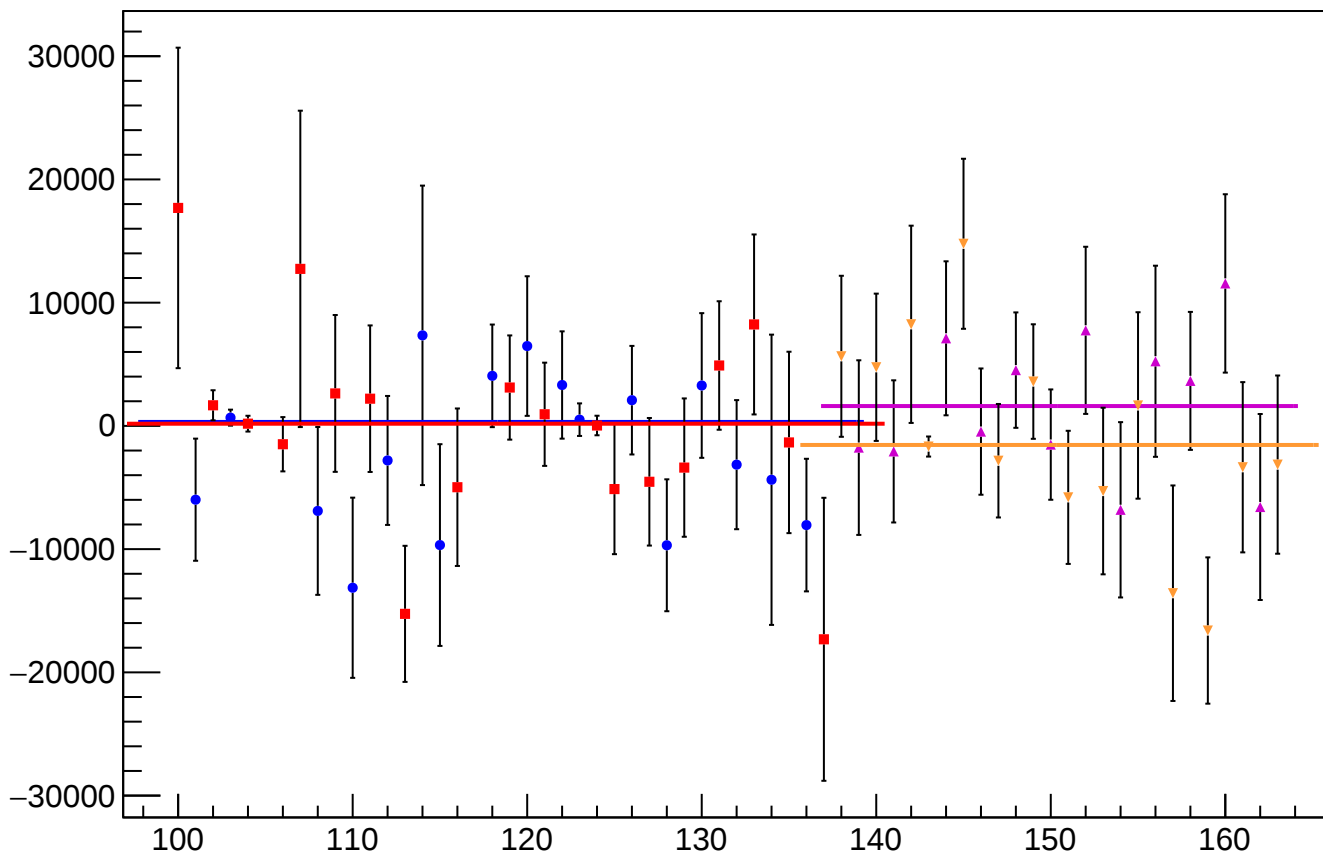
Right: 1726.220+/-0.335 χ^2/NDF : 600688.4/35

In: 1794.749+/-0.316 χ^2/NDF : 297441.5/28

Out: 1830.057+/-0.313 χ^2/NDF : 866410.9/32

All: 1812.582+/-0.222 χ^2/NDF : 1170158.7/63

asym_atl_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1546.517+/-736.542 χ^2/NDF : 20.3/13

Right Out: 176.640+/-433.552 χ^2/NDF : 20.8/18

Left In: 1610.217+/-1725.404 χ^2/NDF : 8.1/11

Left: -1059.941+/-677.403 χ^2/NDF : 31.2/25

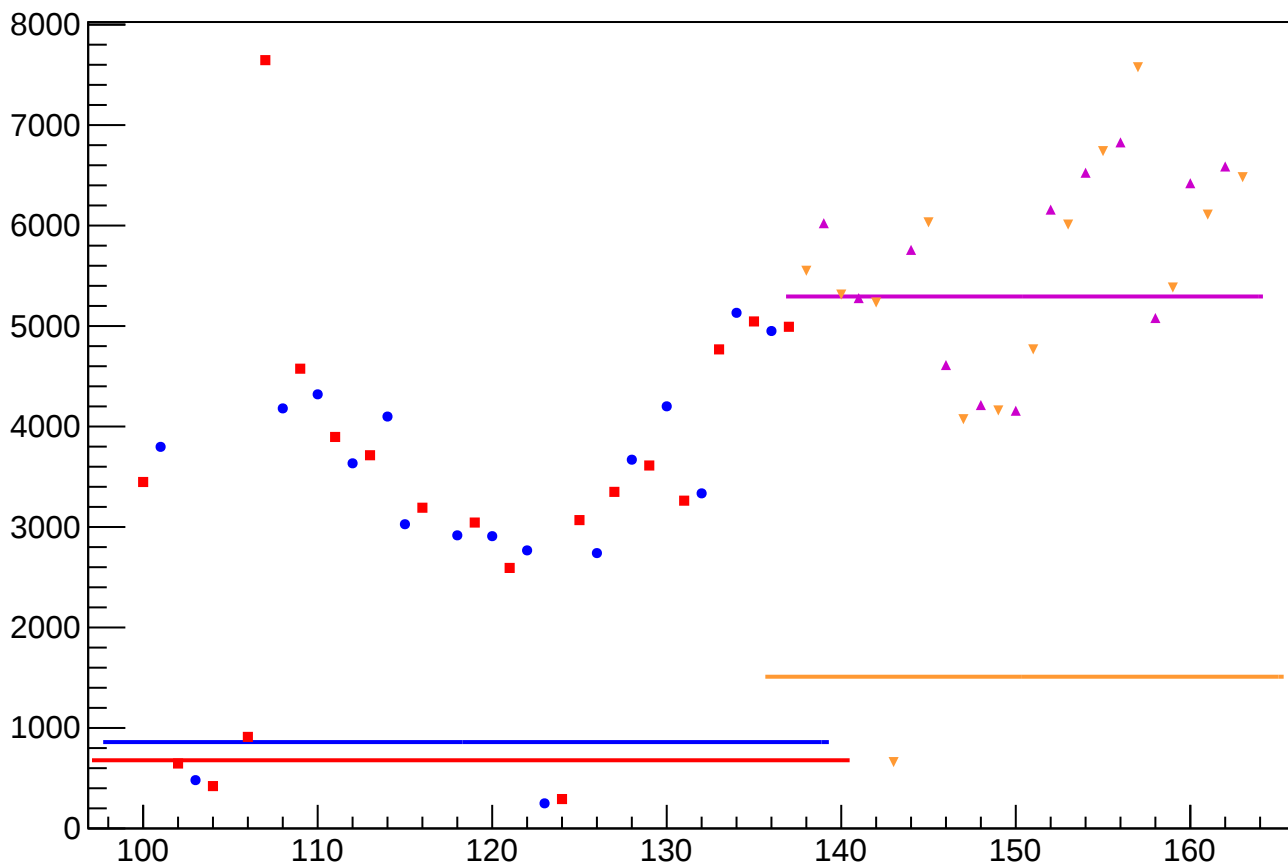
Right: 233.134+/-338.167 χ^2/NDF : 38.8/35

In: 436.071+/-515.684 χ^2/NDF : 26.6/28

Out: -266.774+/-373.628 χ^2/NDF : 45.1/32

All: -24.828+/-302.561 χ^2/NDF : 73.0/61

asym_atl_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1510.070+/-0.521 χ^2/NDF : 12528528.1/13

Right Out: 678.603+/-0.307 χ^2/NDF : 8384814.2/18

Left In: 5294.084+/-1.220 χ^2/NDF : 584105.1/11

Left: 2093.334+/-0.479 χ^2/NDF : 21249422.5/25

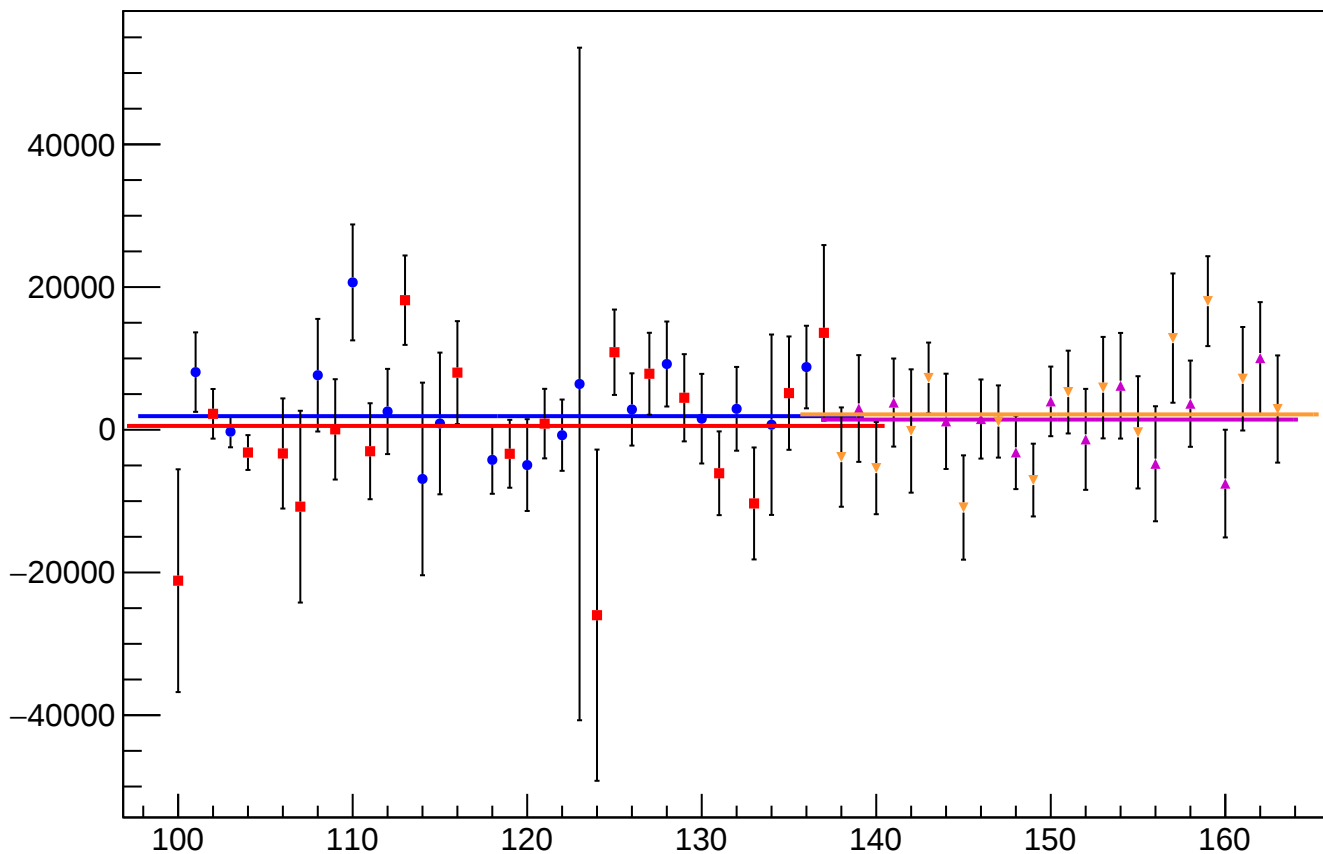
Right: 749.467+/-0.239 χ^2/NDF : 16664518.8/35

In: 1255.682+/-0.365 χ^2/NDF : 20758472.0/28

Out: 892.561+/-0.264 χ^2/NDF : 22806221.0/32

All: 1017.561+/-0.214 χ^2/NDF : 44214990.5/6

asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: 2157.233 $\pm$ 1728.712 χ^2 /NDF: 18.6/13

Right Out: 539.549 $\pm$ 1285.817 χ^2 /NDF: 26.4/18

Left In: 1430.902 $\pm$ 1845.219 χ^2 /NDF: 5.2/11

Left: 1817.720 $\pm$ 1261.563 χ^2 /NDF: 23.9/25

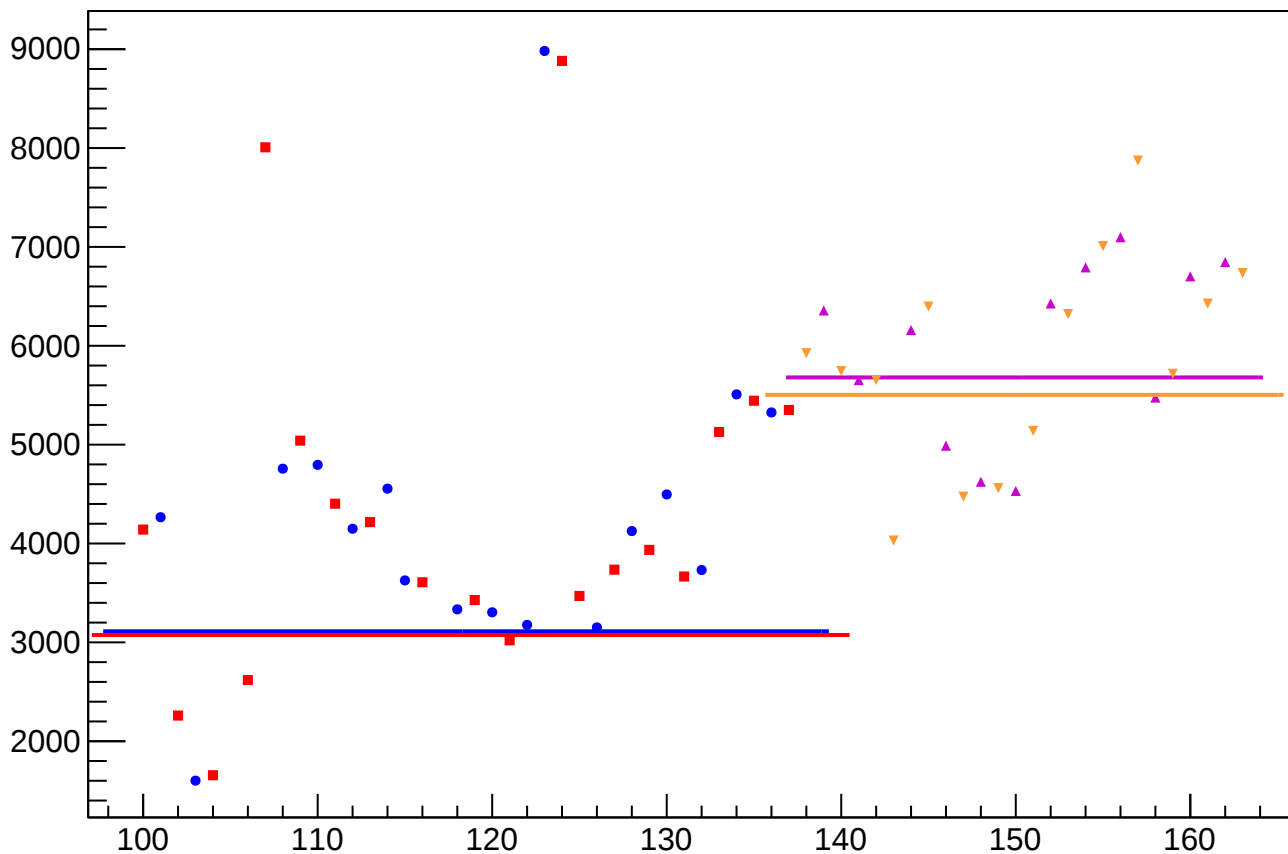
Right: 1211.574 $\pm$ 917.716 χ^2 /NDF: 41.6/35

In: 1748.978 $\pm$ 1068.299 χ^2 /NDF: 19.8/28

Out: 1115.742 $\pm$ 1031.716 χ^2 /NDF: 45.6/32

All: 1421.332 $\pm$ 742.130 χ^2 /NDF: 65.6/61

asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 5503.687 $\pm$ 1.222 χ^2 /NDF: 701269.9/13

Right Out: 3074.771 $\pm$ 0.896 χ^2 /NDF: 2005627.6/18

Left In: 5679.836 $\pm$ 1.305 χ^2 /NDF: 465527.2/11

Left: 5586.025 $\pm$ 0.892 χ^2 /NDF: 1176503.7/25

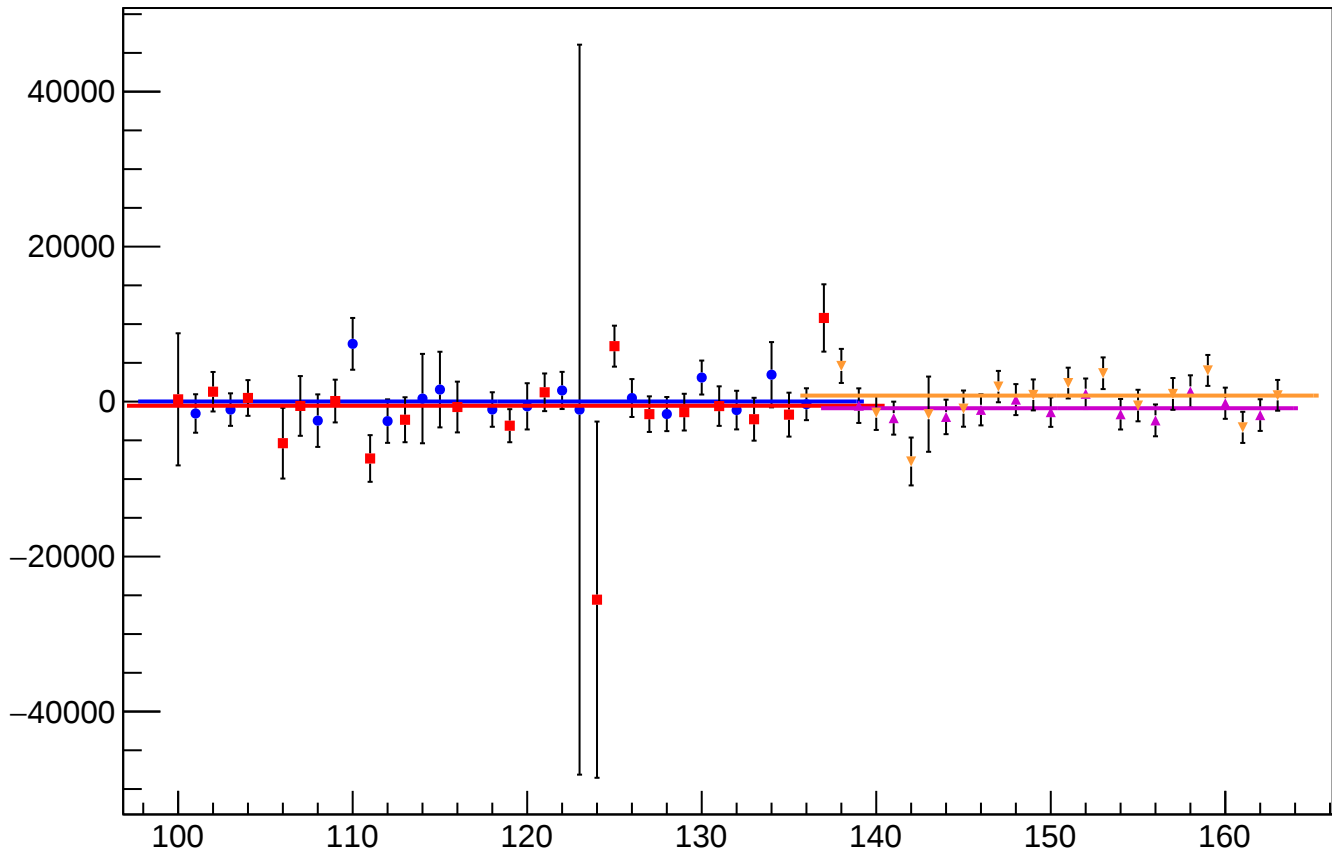
Right: 3092.680 $\pm$ 0.644 χ^2 /NDF: 3886012.7/35

In: 3972.588 $\pm$ 0.755 χ^2 /NDF: 4920383.2/28

Out: 3923.747 $\pm$ 0.723 χ^2 /NDF: 5275150.4/32

All: 3947.087 $\pm$ 0.522 χ^2 /NDF: 10197716.4/66

reg_asym_atl_dd_mean vs Slug, Sign Corrected



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

Left Out: 776.321+/-581.515 χ^2/NDF : 22.5/13

Right Out: -537.476+/-661.143 χ^2/NDF : 26.7/18

Left In: -856.311+/-590.567 χ^2/NDF : 4.0/11

Left: -27.387+/-414.357 χ^2/NDF : 30.5/25

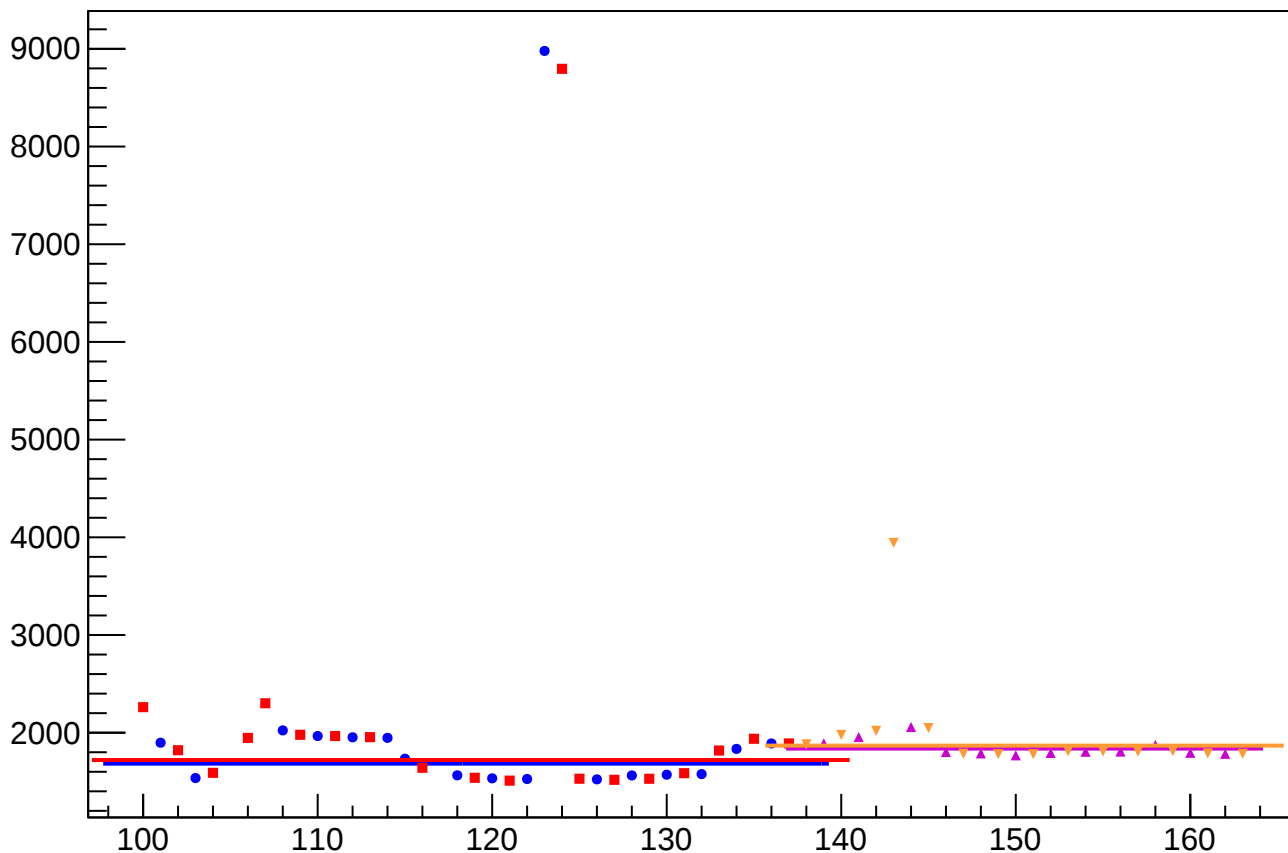
Right: -261.662+/-467.484 χ^2/NDF : 38.1/35

In: -469.992+/-440.428 χ^2/NDF : 16.1/28

Out: 203.264+/-436.647 χ^2/NDF : 51.4/32

All: -130.461+/-310.084 χ^2/NDF : 68.7/61

reg_asym_atl_dd_rms vs Slug, Sign Corrected



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

Left Out: 1867.719+/-0.411 χ^2/NDF : 411455.0/13

Right Out: 1720.379+/-0.465 χ^2/NDF : 396099.9/18

Left In: 1837.360+/-0.418 χ^2/NDF : 36355.9/11

Left: 1852.774+/-0.293 χ^2/NDF : 450494.3/25

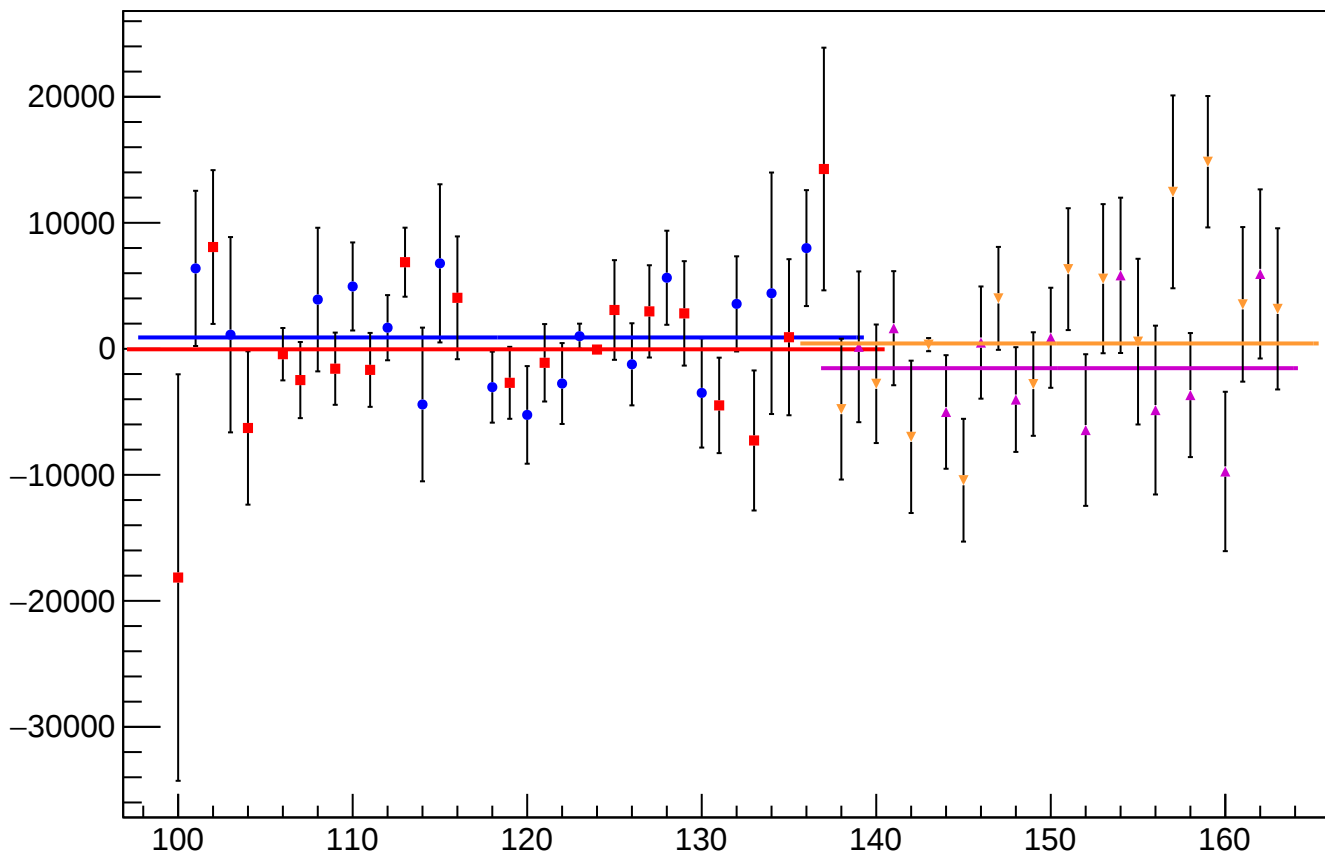
Right: 1701.898+/-0.330 χ^2/NDF : 595159.7/35

In: 1768.966+/-0.311 χ^2/NDF : 292688.8/28

Out: 1803.138+/-0.308 χ^2/NDF : 863832.7/32

All: 1786.231+/-0.219 χ^2/NDF : 1162604.6/63

asym_atl_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 425.667+/-492.154 χ^2/NDF : 22.0/13

Right Out: -38.143+/-357.176 χ^2/NDF : 20.5/18

Left In: -1535.748+/-1470.503 χ^2/NDF : 7.6/11

Left: 228.094+/-466.709 χ^2/NDF : 31.2/25

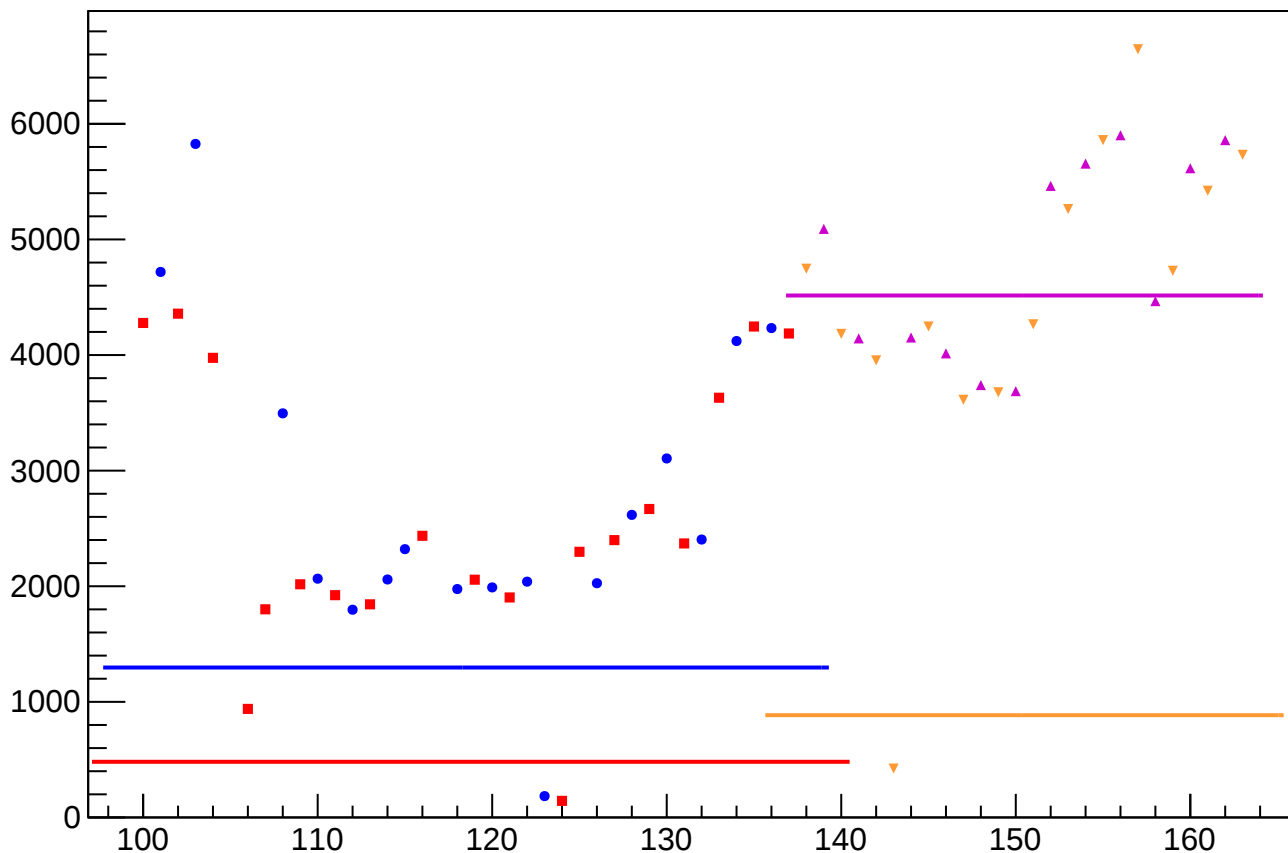
Right: 153.912+/-318.670 χ^2/NDF : 37.9/35

In: 446.901+/-636.129 χ^2/NDF : 25.8/28

Out: 121.868+/-289.072 χ^2/NDF : 43.1/32

All: 177.500+/-263.173 χ^2/NDF : 69.1/61

asym_atl_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 884.719+/-0.348 χ^2/NDF : 14467534.2/13

Right Out: 481.577+/-0.253 χ^2/NDF : 10144170.1/18

Left In: 4515.125+/-1.040 χ^2/NDF : 571455.1/11

Left: 1250.411+/-0.330 χ^2/NDF : 26001202.4/25

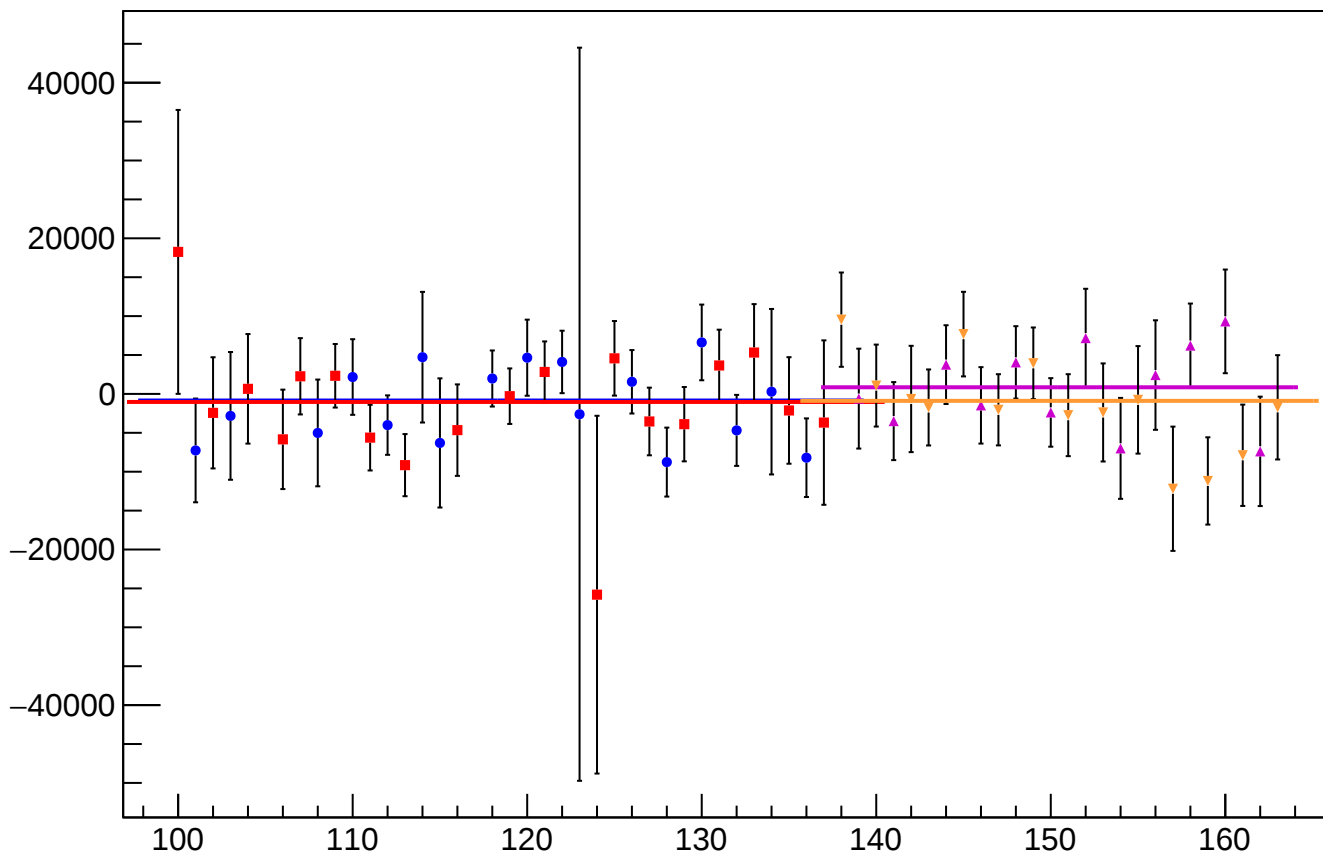
Right: 647.917+/-0.225 χ^2/NDF : 18780181.6/35

In: 1899.232+/-0.450 χ^2/NDF : 14867167.7/28

Out: 620.658+/-0.204 χ^2/NDF : 25490708.6/32

All: 839.495+/-0.186 χ^2/NDF : 47054620.3/63

asym_atl_dd_mean vs Slug, Sign Corrected



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

Left Out: -893.062+/-1523.313 χ^2/NDF :13.5/13

Right Out: -1033.205+/-1190.714 χ^2/NDF : 15.0/18

Left In: 852.953+/-1605.309 χ^2/NDF :8.9/11

Left: -65.783+/-1104.996 χ^2/NDF : 23.0/25

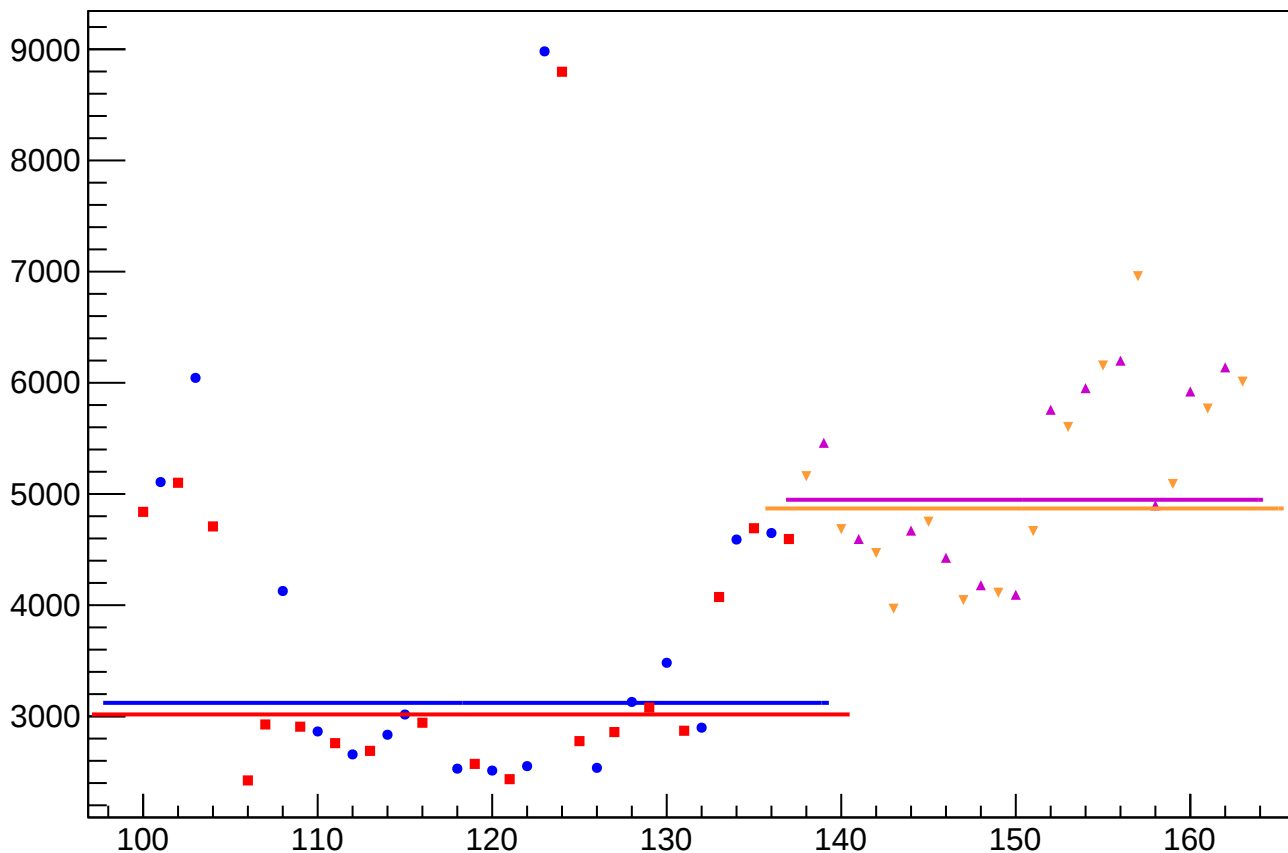
Right: -946.556+/-865.752 χ^2/NDF : 30.4/35

In: -199.772+/-991.654 χ^2/NDF :25.0/28

Out: -980.053+/-938.124 χ^2/NDF :28.5/32

All: -611.540+/-681.493 χ^2/NDF : 53.8/61

asym_atl_dd_rms vs Slug, Sign Corrected



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

Left Out: 4869.719 $\pm$ 1.077 χ^2/NDF : 537508.9/13

Right Out: 3017.215 $\pm$ 0.831 χ^2/NDF : 791997.9/18

Left In: 4948.069 $\pm$ 1.135 χ^2/NDF : 425024.2/11

Left: 4906.842 $\pm$ 0.781 χ^2/NDF : 965040.0/25

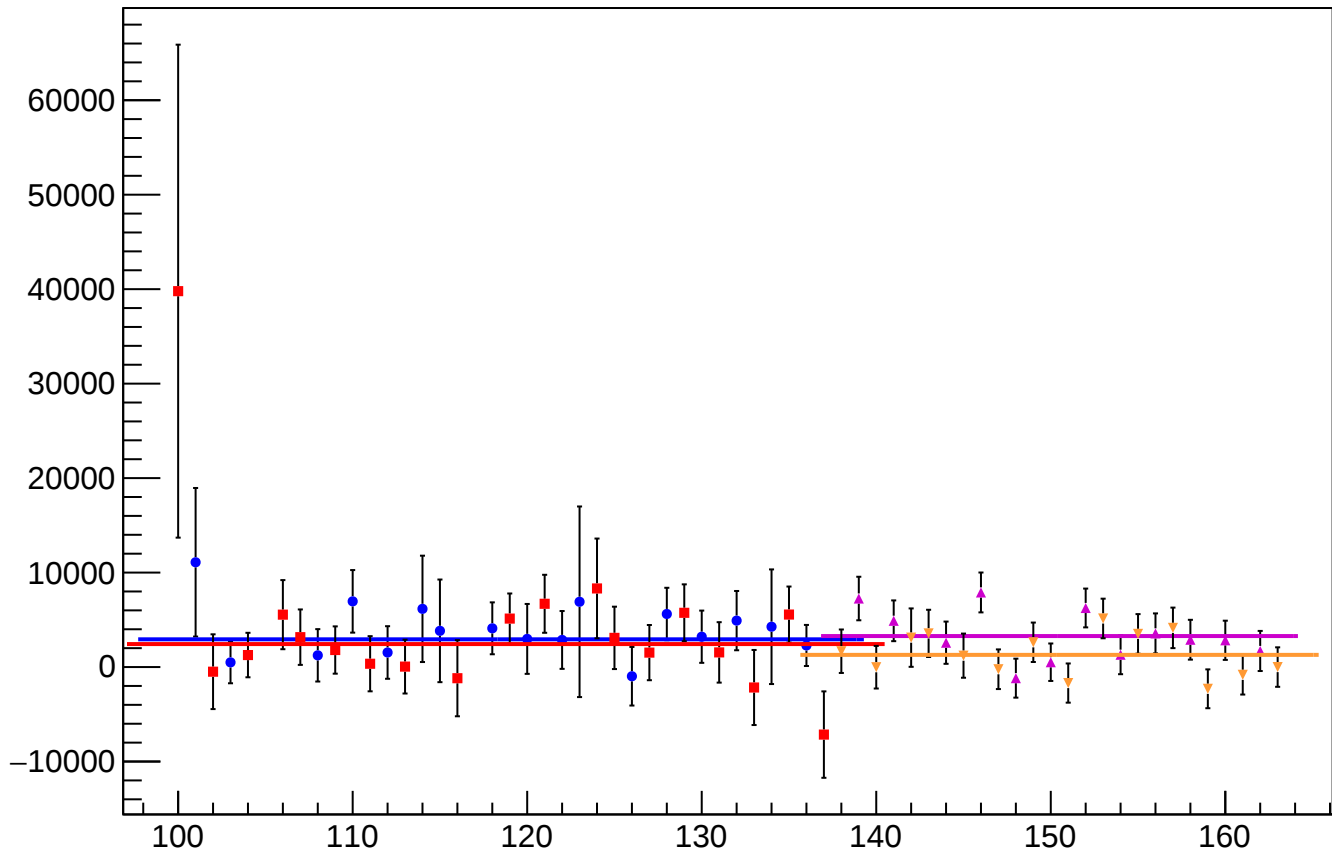
Right: 3065.680 $\pm$ 0.608 χ^2/NDF : 1745010.6/35

In: 3818.455 $\pm$ 0.701 χ^2/NDF : 2972128.8/28

Out: 3708.915 $\pm$ 0.658 χ^2/NDF : 3182910.7/32

All: 3760.223 $\pm$ 0.480 χ^2/NDF : 6168012.8/63

reg_asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: 1289.558+/-588.195 χ^2/NDF :15.3/13

Right Out: 2432.756+/-740.416 χ^2/NDF : 18.2/18

Left In: 3281.262+/-609.395 χ^2/NDF :18.7/11

Left: 2250.164+/-423.213 χ^2/NDF : 39.5/25

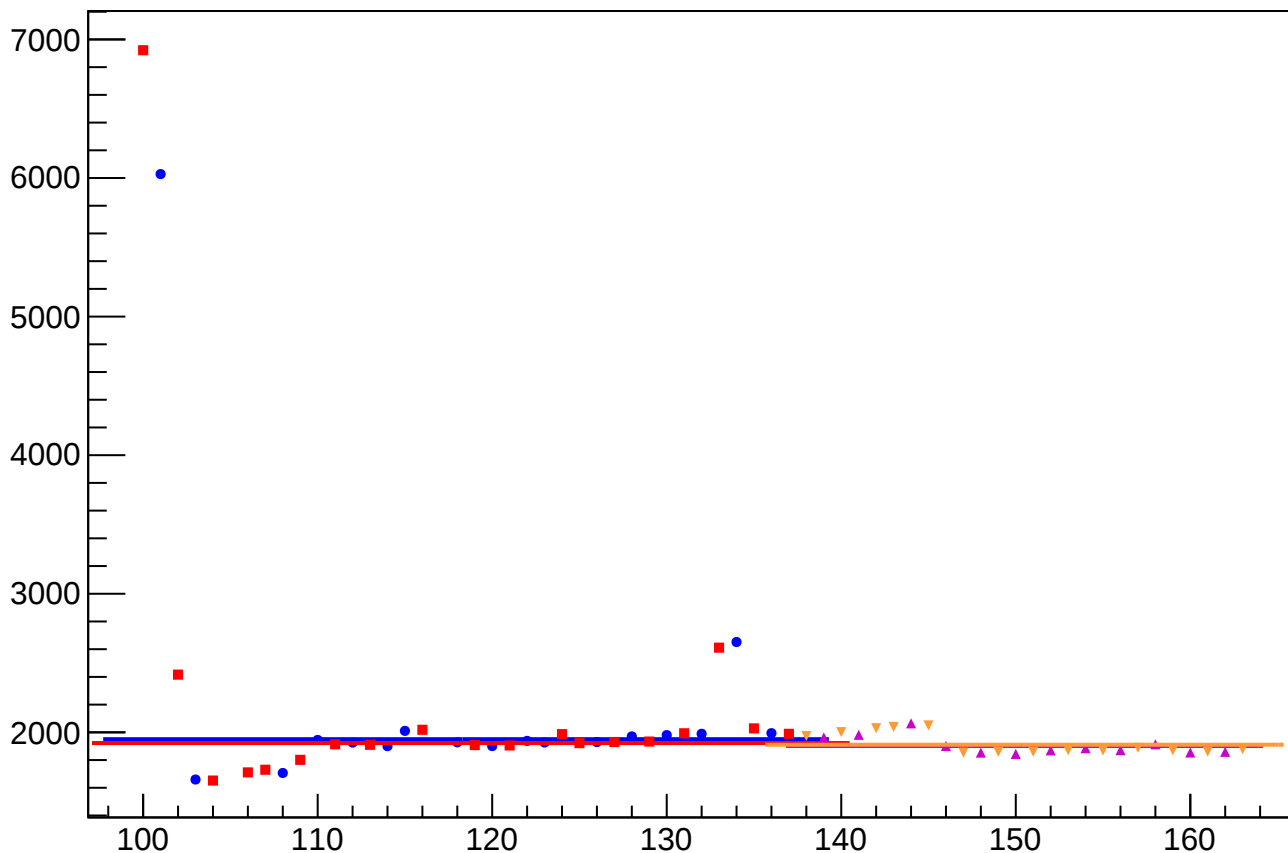
Right: 2672.699+/-535.482 χ^2/NDF : 26.5/35

In: 3149.360+/-479.125 χ^2/NDF :27.0/28

Out: 1731.876+/-460.556 χ^2/NDF :34.9/32

All: 2412.619+/-332.033 χ^2/NDF : 66.4/61

reg_asym_atr_avg_rms vs Slug, Sign Corrected



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

Left Out: 1910.667+/-0.416 χ^2/NDF : 27971.1/13

Right Out: 1922.752+/-0.522 χ^2/NDF : 217400.0/18

Left In: 1901.667+/-0.431 χ^2/NDF : 20541.1/11

Left: 1906.326+/-0.299 χ^2/NDF : 48738.1/25

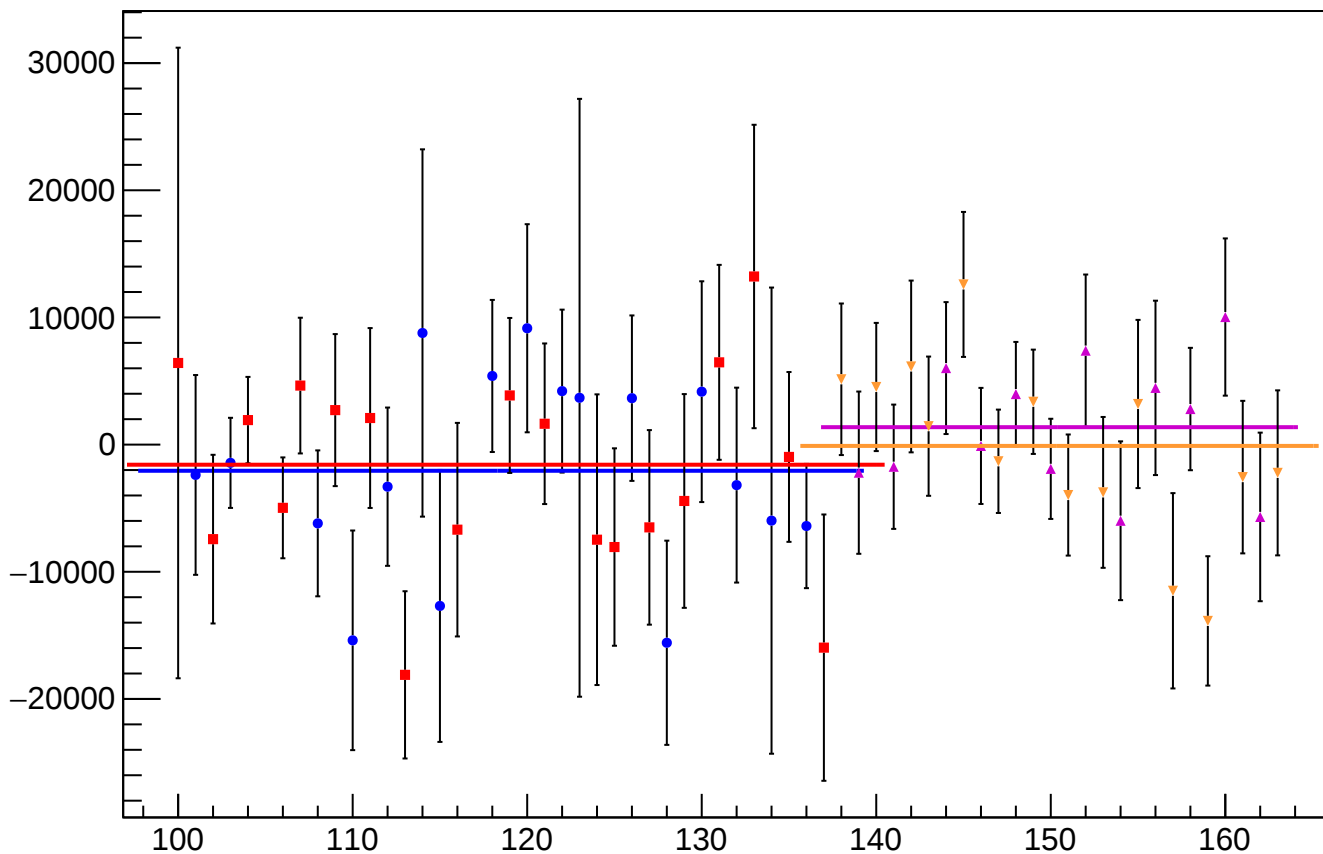
Right: 1936.009+/-0.378 χ^2/NDF : 836086.0/35

In: 1920.357+/-0.339 χ^2/NDF : 642800.3/28

Out: 1915.356+/-0.325 χ^2/NDF : 245698.6/32

All: 1917.756+/-0.235 χ^2/NDF : 888612.3/61

asym_atr_avg_correction_mean vs Slug, Sign Corrected



Left: 607.500+/-1043.312 χ^2/NDF : 28.4/25

Right: -1791.026+/-1103.932 χ^2/NDF : 32.6/35

In: -172.294+/-1114.579 χ^2/NDF : 24.8/28

Out: -827.211+/-1034.564 χ^2/NDF : 38.5/32

All: -524.102+/-758.258 χ^2/NDF : 63.5/61

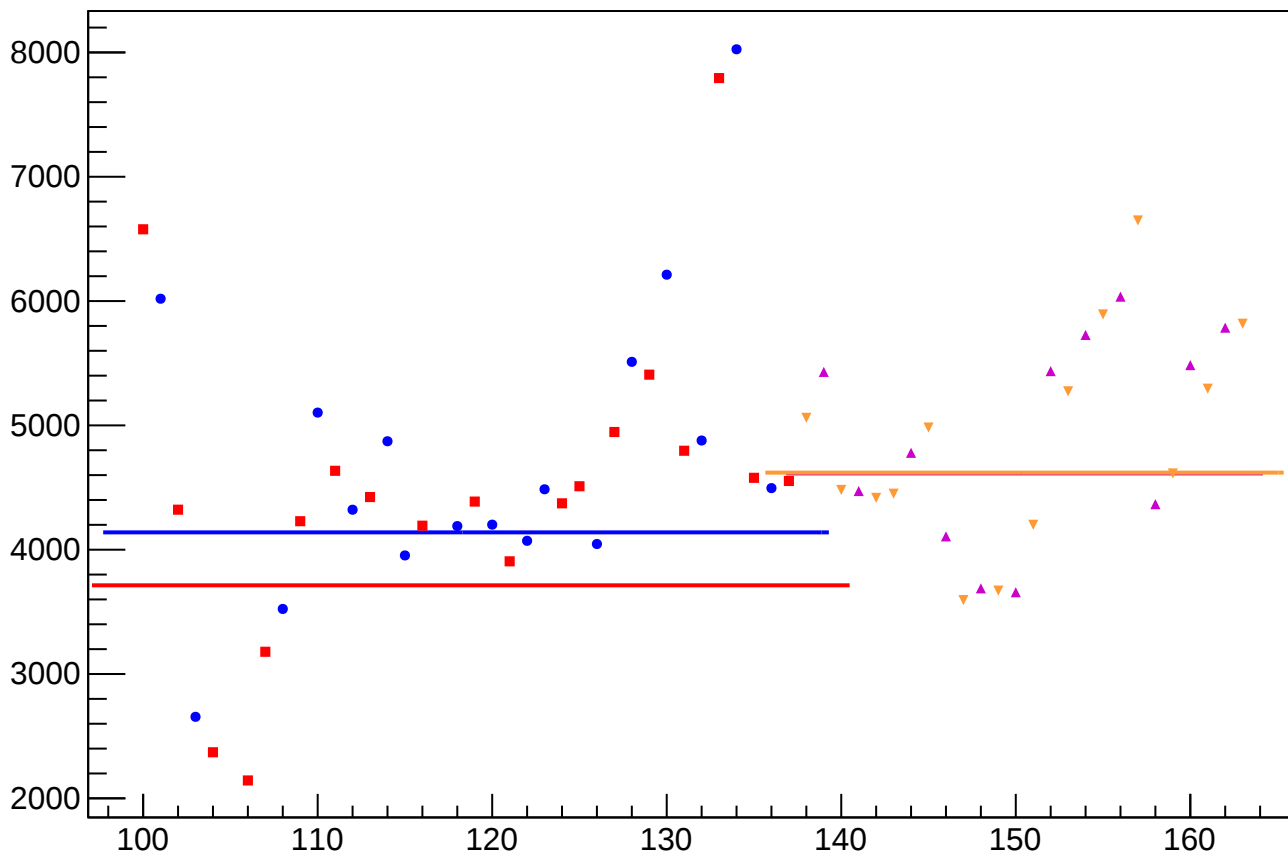
Right In: -2056.876+/-1661.079 χ^2/NDF : 14.0/16

Left Out: -102.208+/-1449.192 χ^2/NDF : 19.4/13

Right Out: -1580.717+/-1477.405 χ^2/NDF : 18.6/18

Left In: 1371.116+/-1503.223 χ^2/NDF : 8.5/11

asym_atr_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 4620.055+/-1.025 χ^2/NDF : 605614.2/13

Right Out: 3713.526+/-1.045 χ^2/NDF : 1275828.5/18

Left In: 4613.488+/-1.063 χ^2/NDF : 575687.7/11

Left: 4616.891+/-0.738 χ^2/NDF : 1181321.7/25

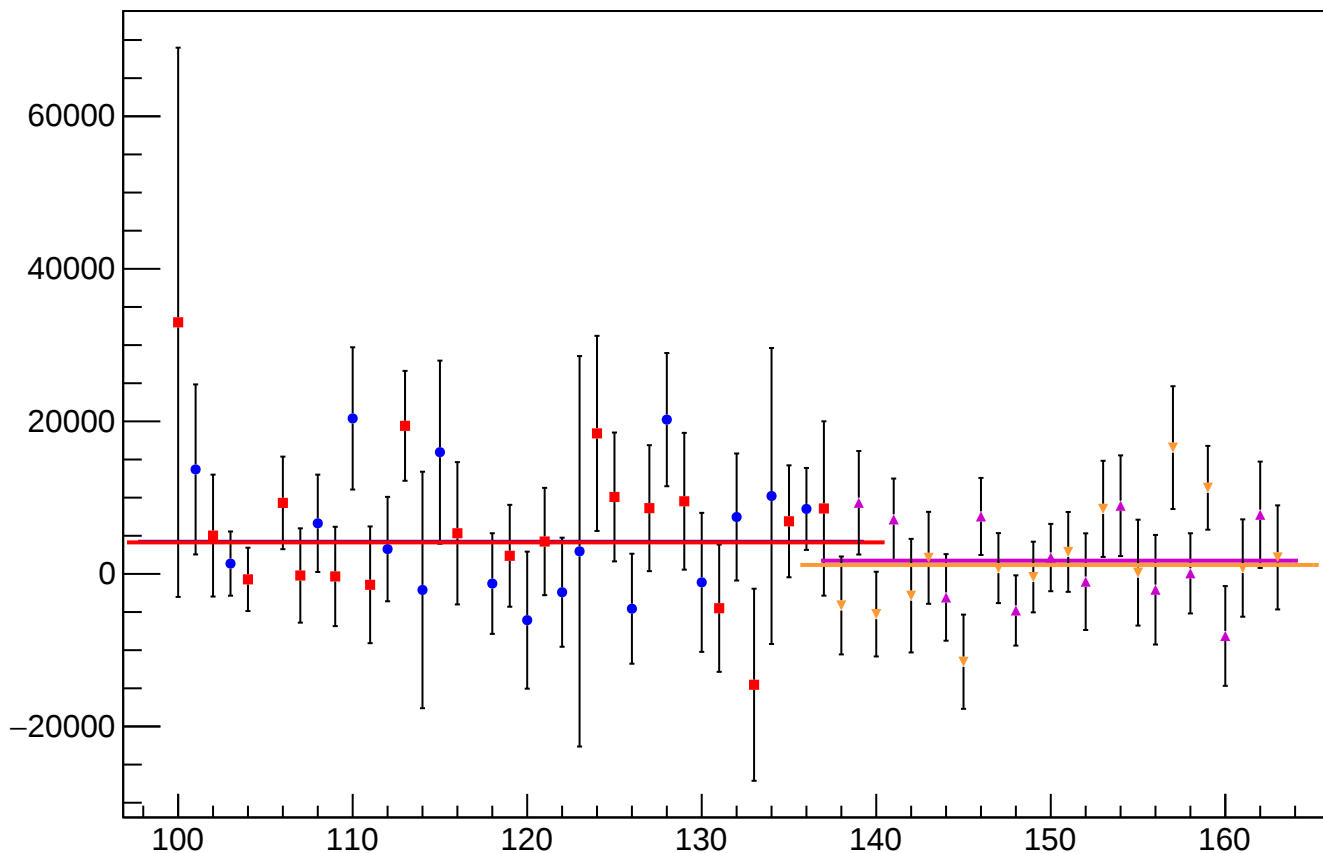
Right: 3901.622+/-0.781 χ^2/NDF : 2162777.5/35

In: 4400.033+/-0.788 χ^2/NDF : 1478806.6/28

Out: 4175.529+/-0.732 χ^2/NDF : 2265200.6/32

All: 4279.434+/-0.536 χ^2/NDF : 3787596.1/63

asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: 1173.831+/-1582.172 χ^2/NDF : 15.2/13

Right Out: 4133.660+/-1725.341 χ^2/NDF : 14.8/18

Left In: 1736.821+/-1637.937 χ^2/NDF : 11.1/11

Left: 1445.579+/-1137.968 χ^2/NDF : 26.4/25

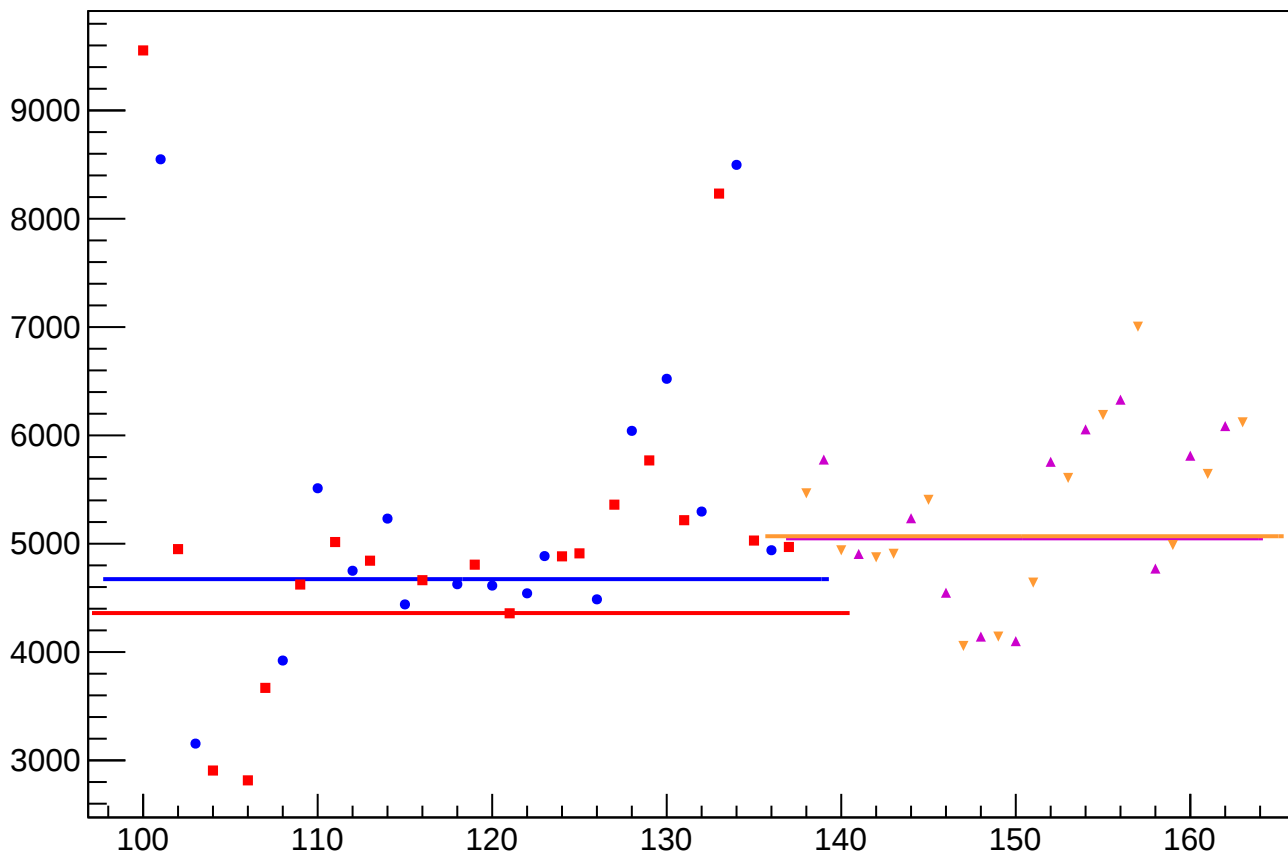
Right: 4169.584+/-1268.468 χ^2/NDF : 29.2/35

In: 2810.466+/-1232.495 χ^2/NDF : 26.5/28

Out: 2525.865+/-1166.099 χ^2/NDF : 31.6/32

All: 2660.294+/-847.057 χ^2/NDF : 58.2/61

asym_atr_avg_rms vs Slug, Sign Corrected



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

Left Out: 5069.078 $\pm$ 1.119 χ^2 /NDF: 454404.5/13

Right Out: 4359.833 $\pm$ 1.213 χ^2 /NDF: 832191.0/18

Left In: 5049.534 $\pm$ 1.158 χ^2 /NDF: 428305.7/11

Left: 5059.644 $\pm$ 0.805 χ^2 /NDF: 882857.5/25

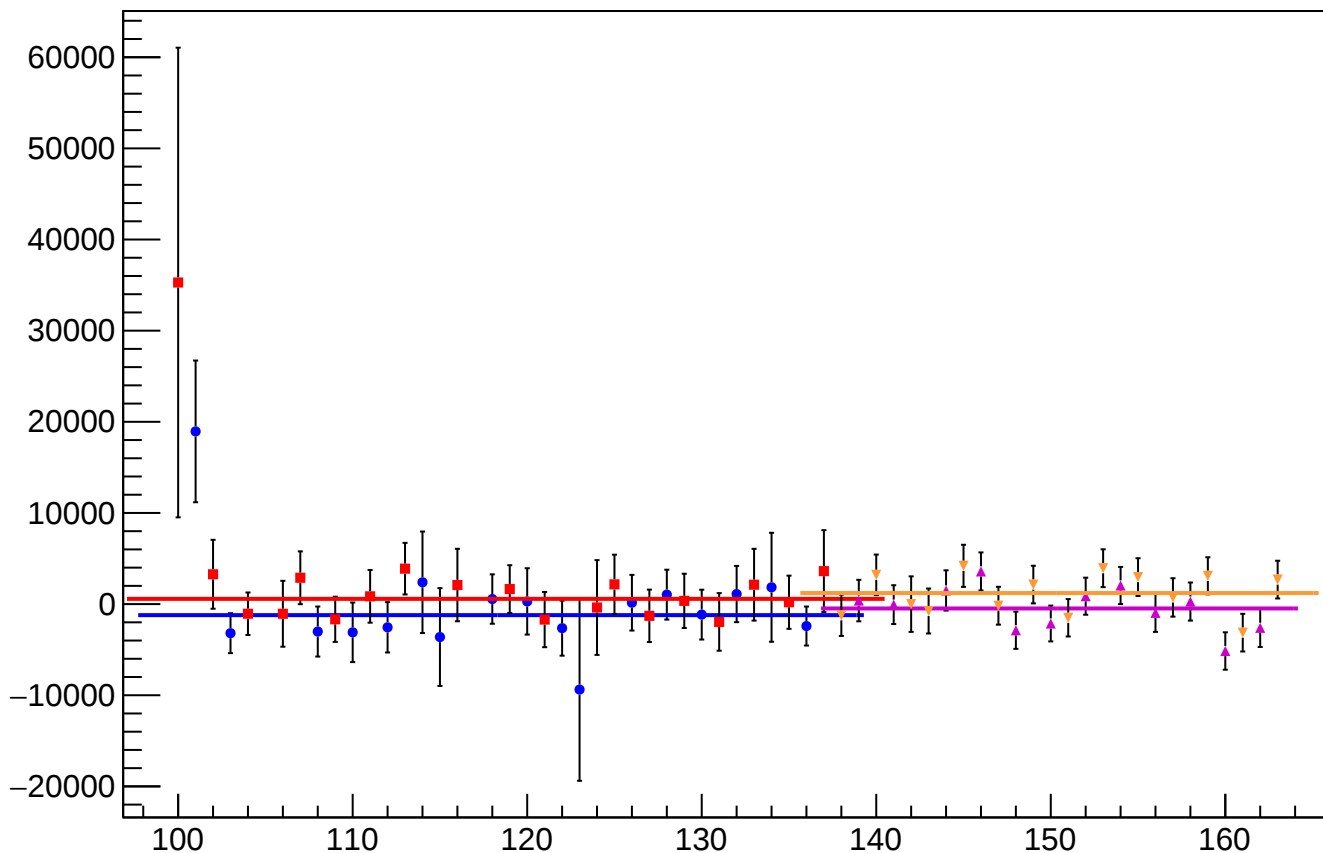
Right: 4502.849 $\pm$ 0.894 χ^2 /NDF: 1639958.3/35

In: 4886.216 $\pm$ 0.872 χ^2 /NDF: 1251464.3/28

Out: 4743.059 $\pm$ 0.822 χ^2 /NDF: 1471335.9/32

All: 4810.489 $\pm$ 0.598 χ^2 /NDF: 2737073.6/63

reg_asym_atr_dd_mean vs Slug, Sign Corrected



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

Left Out: 1213.441+/-581.297 χ^2/NDF : 15.1/13

Right Out: 573.457+/-730.668 χ^2/NDF : 8.7/18

Left In: -479.066+/-602.698 χ^2/NDF : 15.2/11

Left: 397.771+/-418.400 χ^2/NDF : 34.4/25

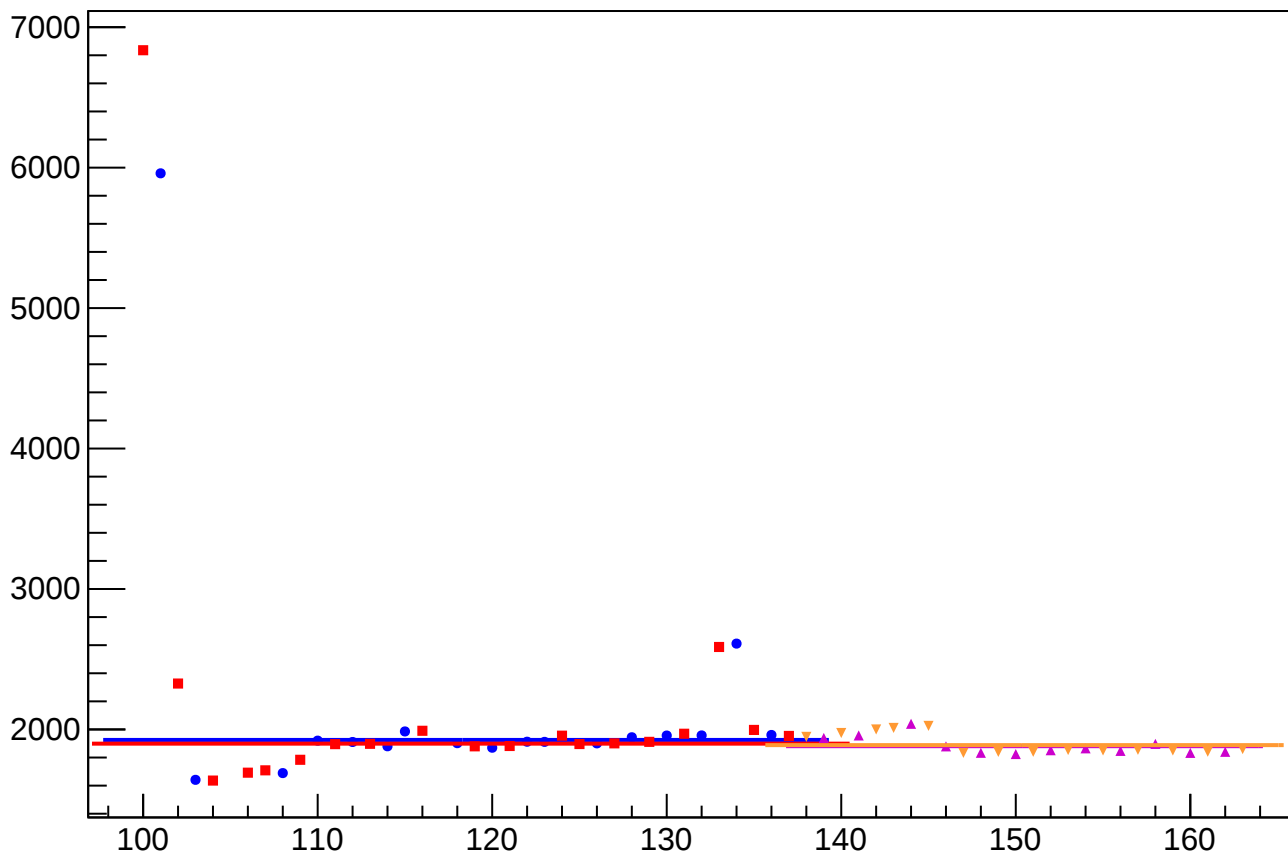
Right: -277.573+/-528.478 χ^2/NDF : 24.2/35

In: -759.316+/-473.493 χ^2/NDF : 28.4/28

Out: 965.381+/-454.898 χ^2/NDF : 24.3/32

All: 137.562+/-328.038 χ^2/NDF : 59.6/61

reg_asym_atr_dd_rms vs Slug, Sign Corrected



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

Left Out: 1888.357+/-0.411 χ^2/NDF : 26458.7/13

Right Out: 1898.854+/-0.515 χ^2/NDF : 210875.1/18

Left In: 1880.806+/-0.426 χ^2/NDF : 19975.8/11

Left: 1884.718+/-0.296 χ^2/NDF : 46597.1/25

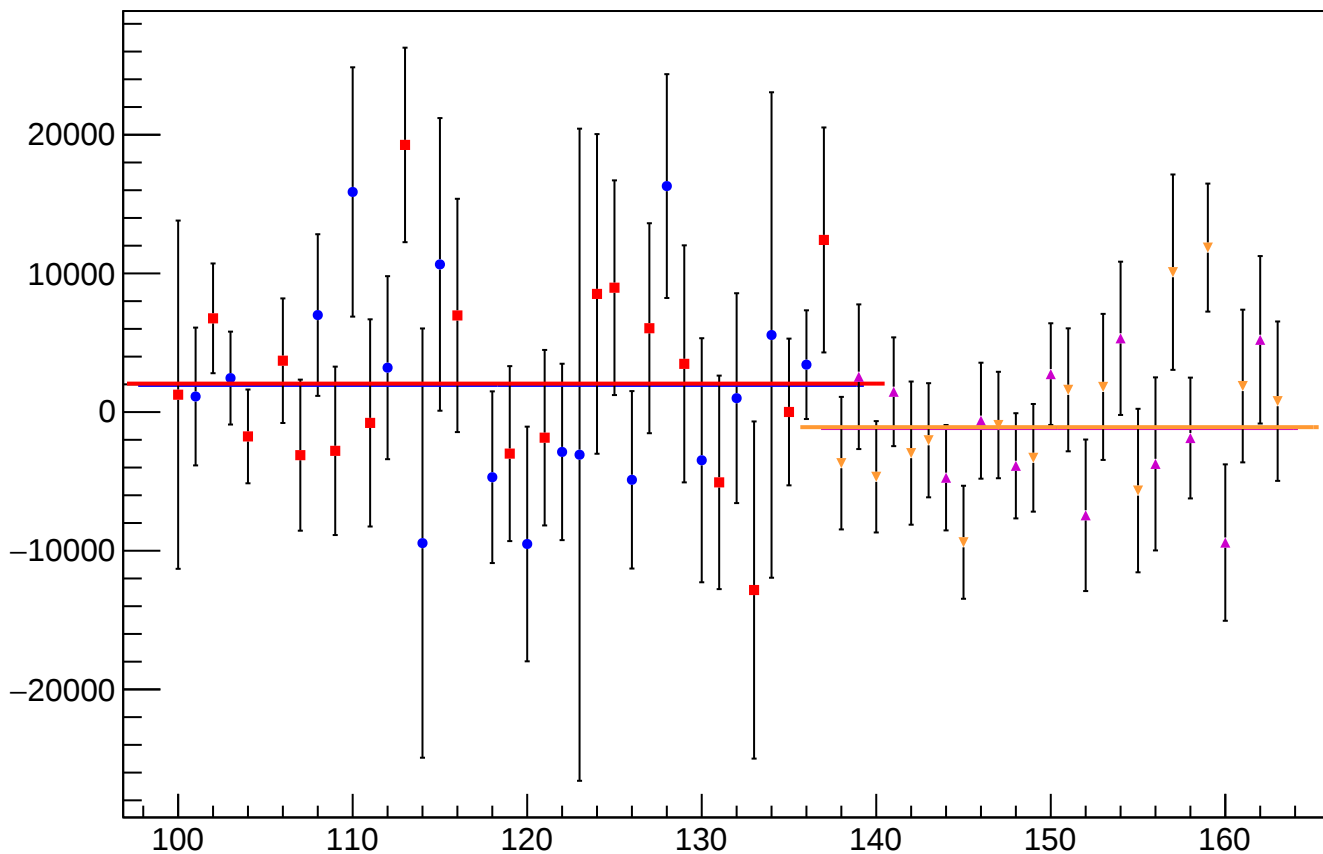
Right: 1911.445+/-0.373 χ^2/NDF : 827992.7/35

In: 1897.846+/-0.335 χ^2/NDF : 640015.8/28

Out: 1892.437+/-0.321 χ^2/NDF : 237587.3/32

All: 1895.031+/-0.232 χ^2/NDF : 877738.9/61

asym_atr_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -1087.634 $\pm$ 1247.345 χ^2 /NDF:17.8/13

Right Out: 2052.842 $\pm$ 1413.641 χ^2 /NDF: 17.4/18

Left In: -1151.187 $\pm$ 1318.204 χ^2 /NDF:9.6/11

Left: -1117.656 $\pm$ 906.021 χ^2 /NDF: 27.4/25

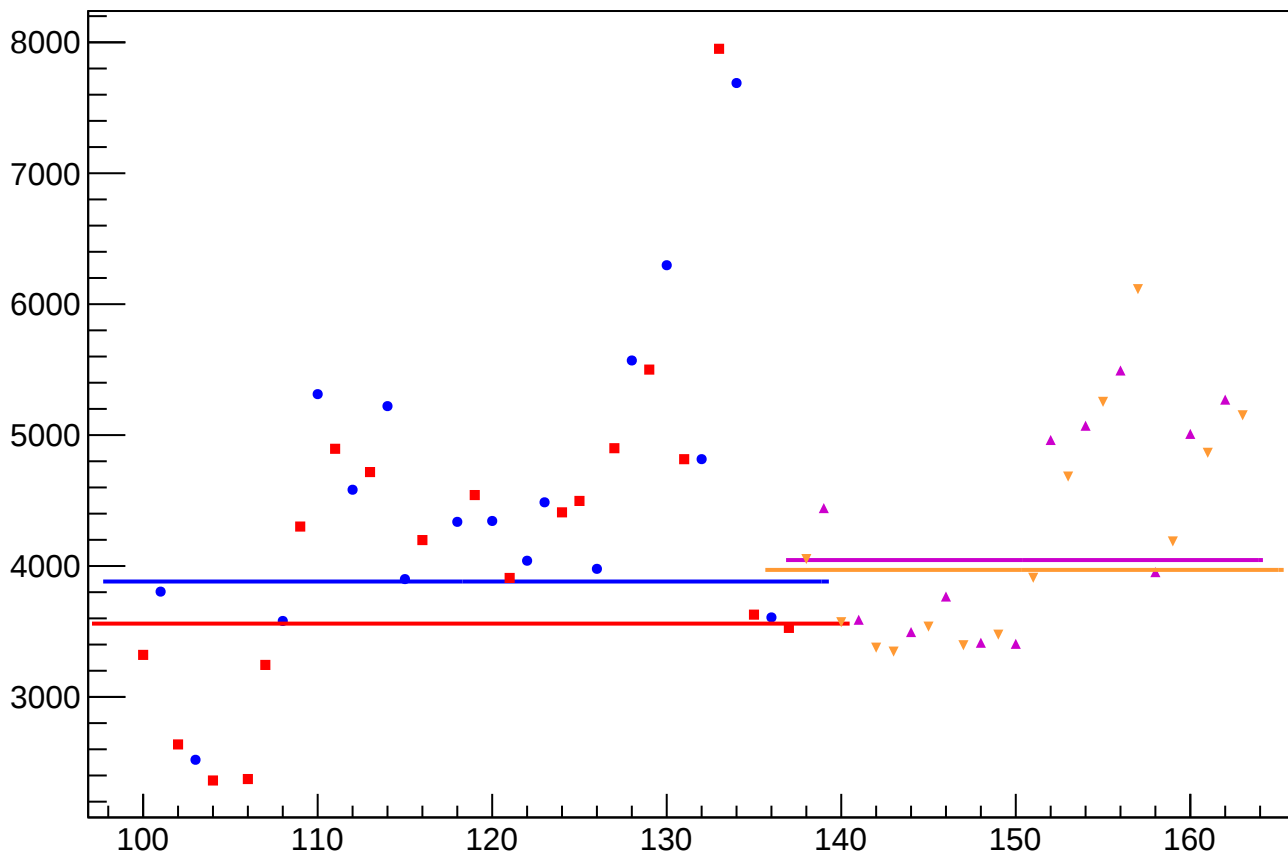
Right: 2010.461 $\pm$ 1046.568 χ^2 /NDF: 30.4/35

In: 147.544 $\pm$ 1006.019 χ^2 /NDF:24.9/28

Out: 287.107 $\pm$ 935.302 χ^2 /NDF:38.0/32

All: 222.403 $\pm$ 684.996 χ^2 /NDF: 62.9/61

asym_atr_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 3970.284+/-0.882 χ^2/NDF : 651600.9/13

Right Out: 3560.054+/-1.000 χ^2/NDF : 1241523.0/18

Left In: 4045.499+/-0.932 χ^2/NDF : 580233.8/11

Left: 4005.816+/-0.641 χ^2/NDF : 1235270.1/25

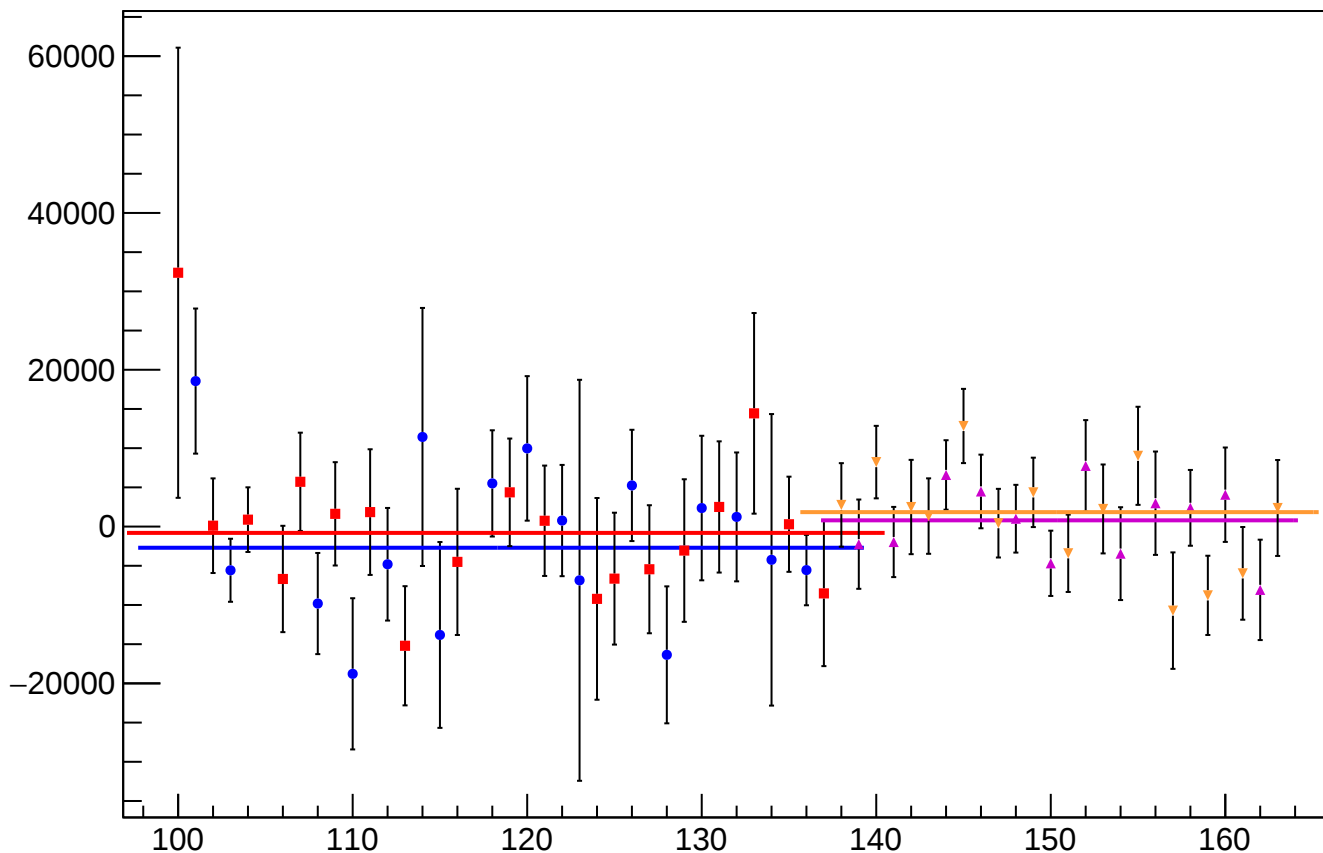
Right: 3705.352+/-0.740 χ^2/NDF : 2105744.2/35

In: 3977.051+/-0.711 χ^2/NDF : 1410614.5/28

Out: 3790.706+/-0.661 χ^2/NDF : 1987821.2/32

All: 3877.100+/-0.484 χ^2/NDF : 3435242.3/63

asym_atr_dd_mean vs Slug, Sign Corrected



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

Left Out: 1842.277 $\pm$ 1398.849 χ^2 /NDF:19.3/13

Right Out: -805.951 $\pm$ 1690.353 χ^2 /NDF: 11.6/18

Left In: 795.037 $\pm$ 1468.020 χ^2 /NDF:9.1/11

Left: 1343.909 $\pm$ 1012.706 χ^2 /NDF: 28.6/25

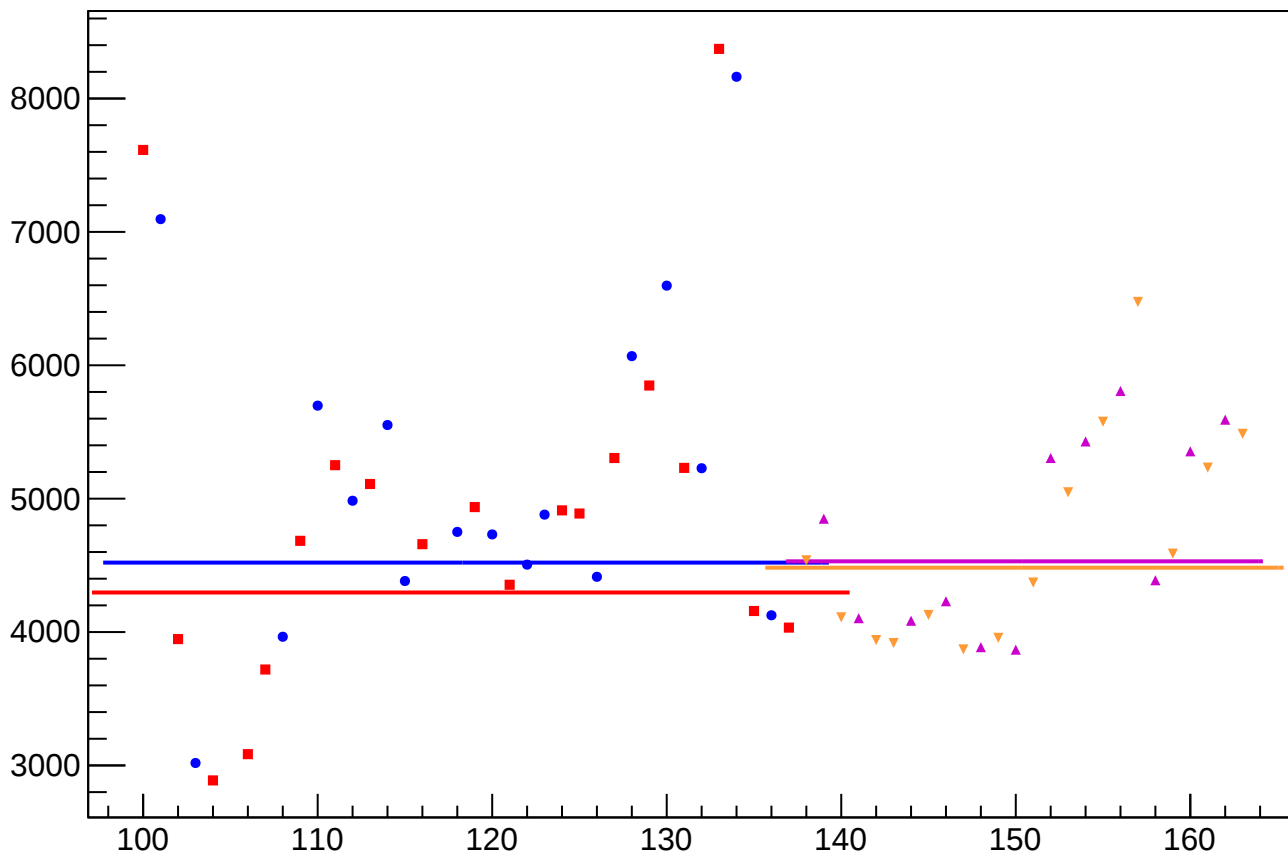
Right: -1689.130 $\pm$ 1235.094 χ^2 /NDF: 31.9/35

In: -592.939 $\pm$ 1139.917 χ^2 /NDF:31.1/28

Out: 765.850 $\pm$ 1077.686 χ^2 /NDF:32.3/32

All: 124.557 $\pm$ 783.115 χ^2 /NDF: 64.1/61

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4520.685+/-1.279 χ^2/NDF : 770887.4/16

Left Out: 4482.536+/-0.989 χ^2/NDF : 448592.4/13

Right Out: 4296.527+/-1.189 χ^2/NDF : 771785.2/18

Left In: 4530.247+/-1.038 χ^2/NDF : 398507.5/11

Left: 4505.241+/-0.716 χ^2/NDF : 848207.1/25

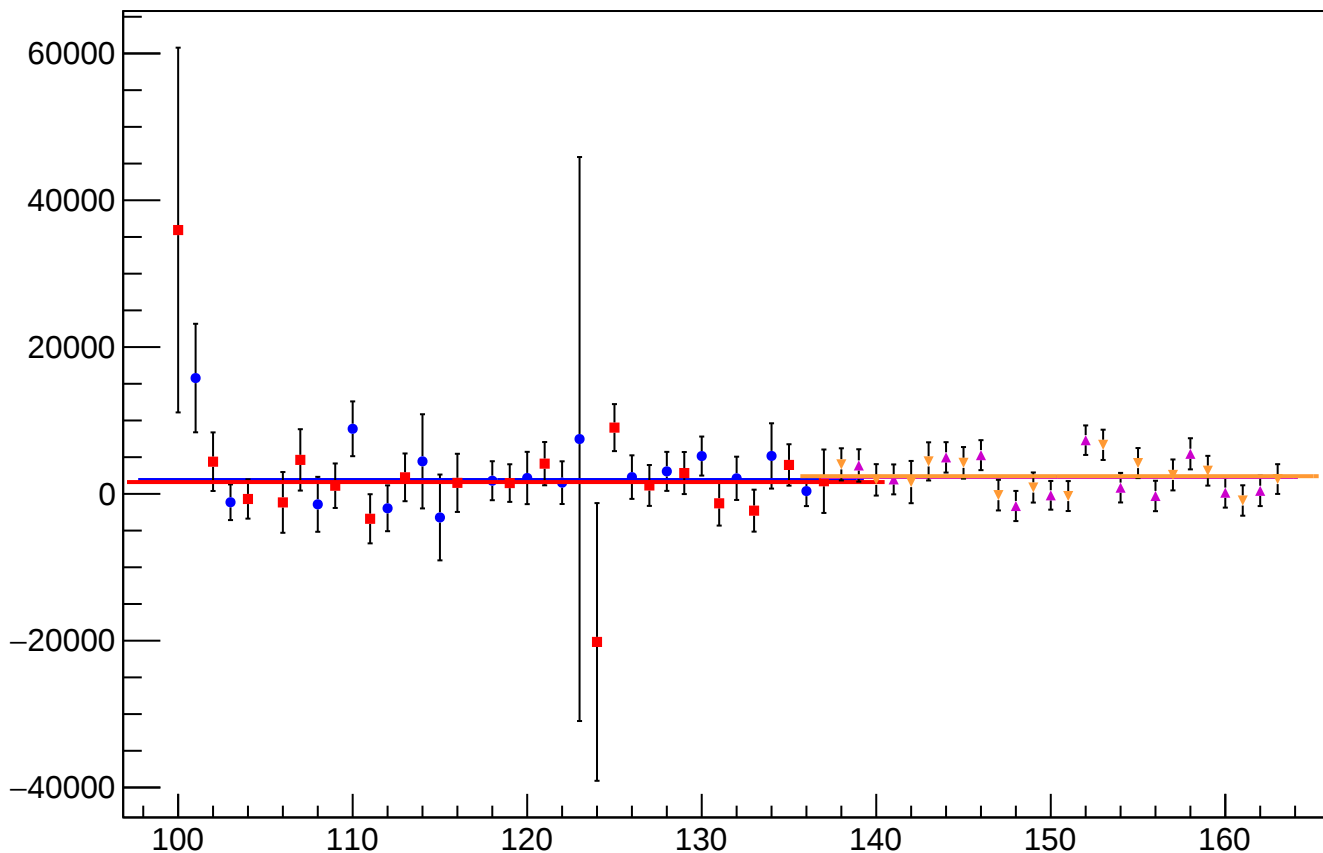
Right: 4400.391+/-0.871 χ^2/NDF : 1559151.4/35

In: 4526.450+/-0.806 χ^2/NDF : 1169428.6/28

Out: 4406.429+/-0.760 χ^2/NDF : 1234846.9/32

All: 4462.938+/-0.553 χ^2/NDF : 2416008.1/63

reg_asym_at1_avg_mean vs Slug, Sign Corrected



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

Left Out: 2409.351+/-573.786 χ^2/NDF :13.6/13

Right Out: 1610.310+/-765.843 χ^2/NDF : 17.5/18

Left In: 2308.734+/-593.528 χ^2/NDF :22.1/11

Left: 2360.744+/-412.531 χ^2/NDF : 35.7/25

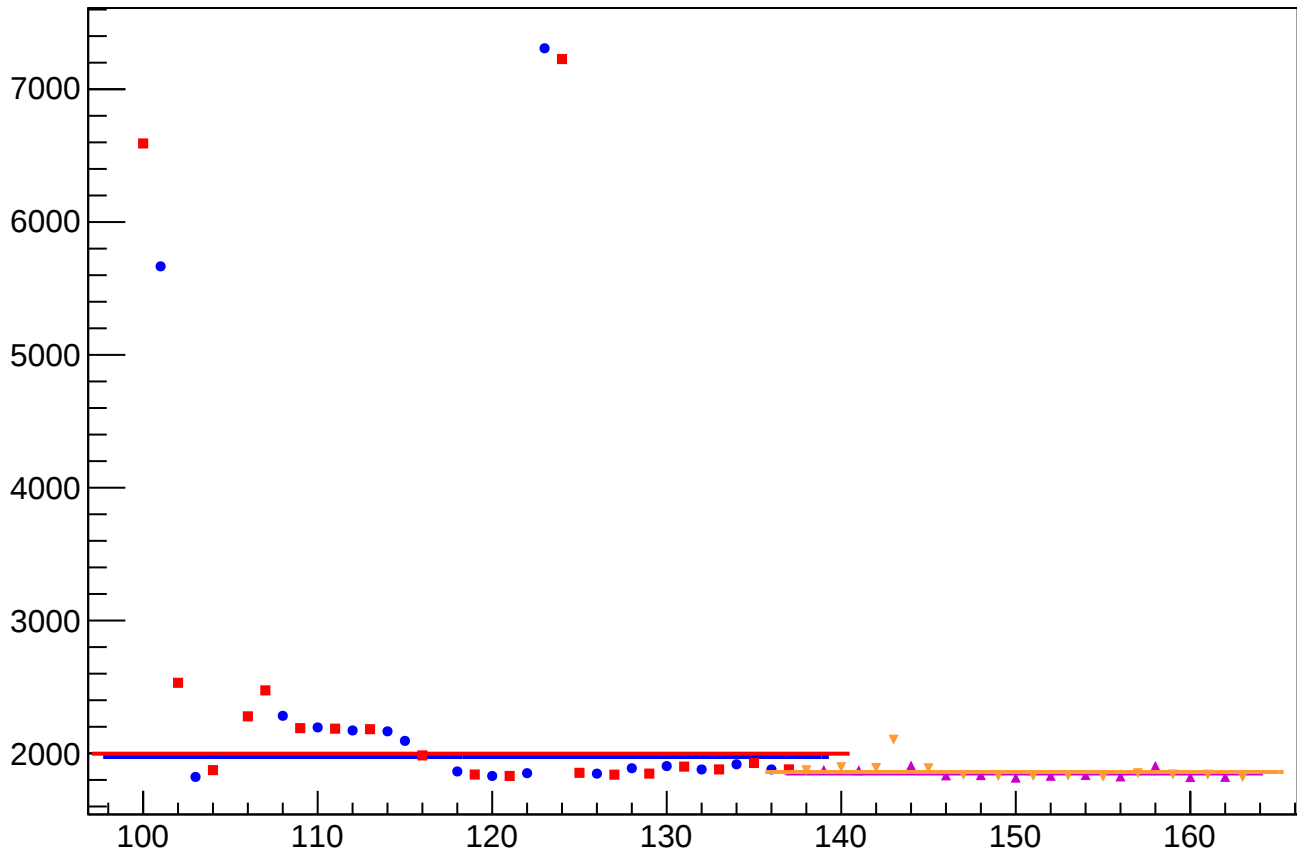
Right: 1745.891+/-547.780 χ^2/NDF : 32.2/35

In: 2155.377+/-473.178 χ^2/NDF :36.9/28

Out: 2122.079+/-459.200 χ^2/NDF :31.8/32

All: 2138.229+/-329.534 χ^2/NDF : 68.8/61

reg_asym_at1_avg_rms vs Slug, Sign Corrected



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

Left Out: 1859.729+/-0.406 χ^2/NDF : 21916.7/13

Right Out: 1997.647+/-0.542 χ^2/NDF : 355572.5/18

Left In: 1848.282+/-0.420 χ^2/NDF : 5495.0/11

Left: 1854.199+/-0.292 χ^2/NDF : 27796.3/25

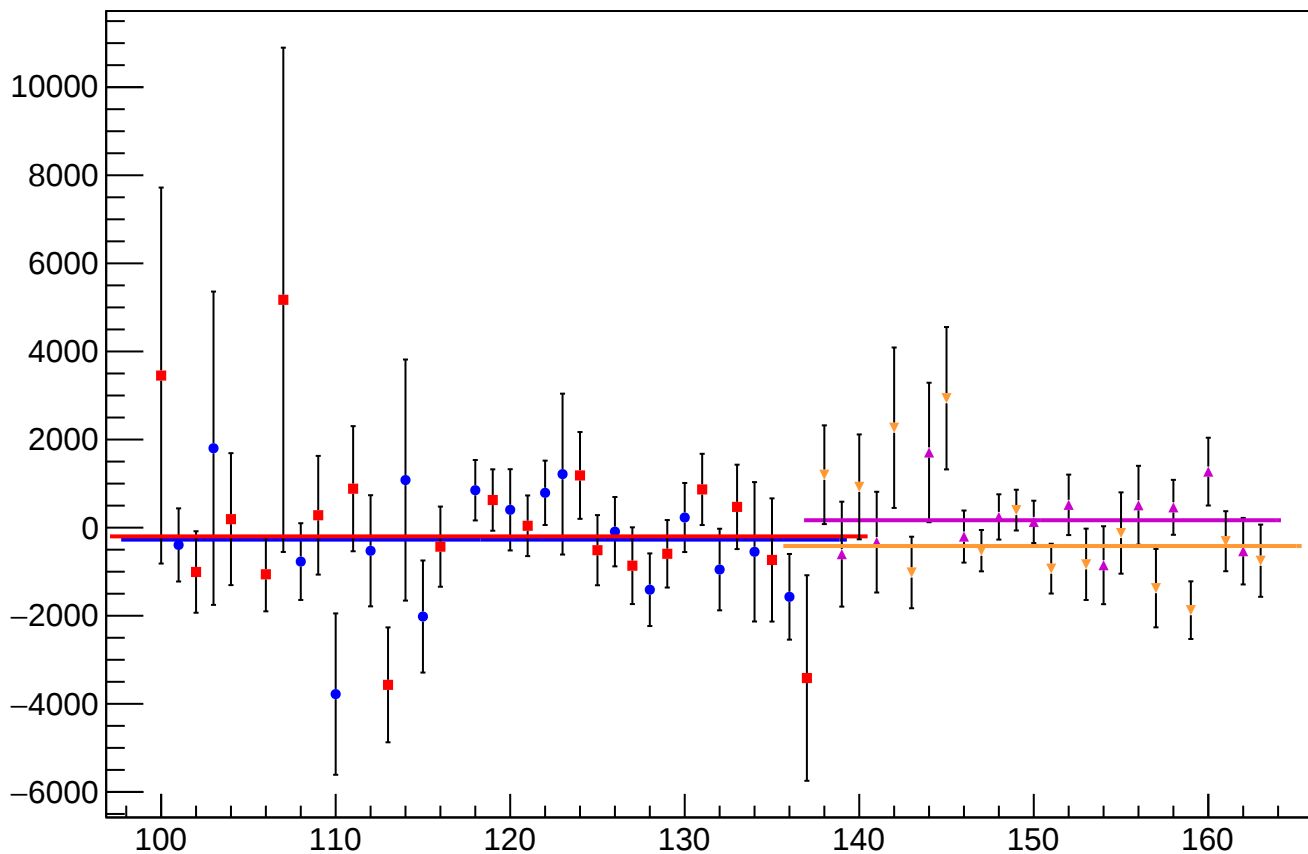
Right: 1985.358+/-0.387 χ^2/NDF : 957496.6/35

In: 1893.544+/-0.335 χ^2/NDF : 638281.1/28

Out: 1909.314+/-0.325 χ^2/NDF : 419032.3/32

All: 1901.665+/-0.233 χ^2/NDF : 1058457.4/63

asym_at1_avg_correction_mean vs Slug, Sign Corrected



Right In: -271.773 $\pm$ 240.214 χ^2 /NDF: 17.2/16

Left Out: -417.479 $\pm$ 196.186 χ^2 /NDF:21.0/13

Right Out: -198.424 $\pm$ 229.035 χ^2 /NDF: 19.7/18

Left In: 168.044 $\pm$ 206.314 χ^2 /NDF:6.8/11

Left: -139.441 $\pm$ 142.170 χ^2 /NDF: 32.1/25

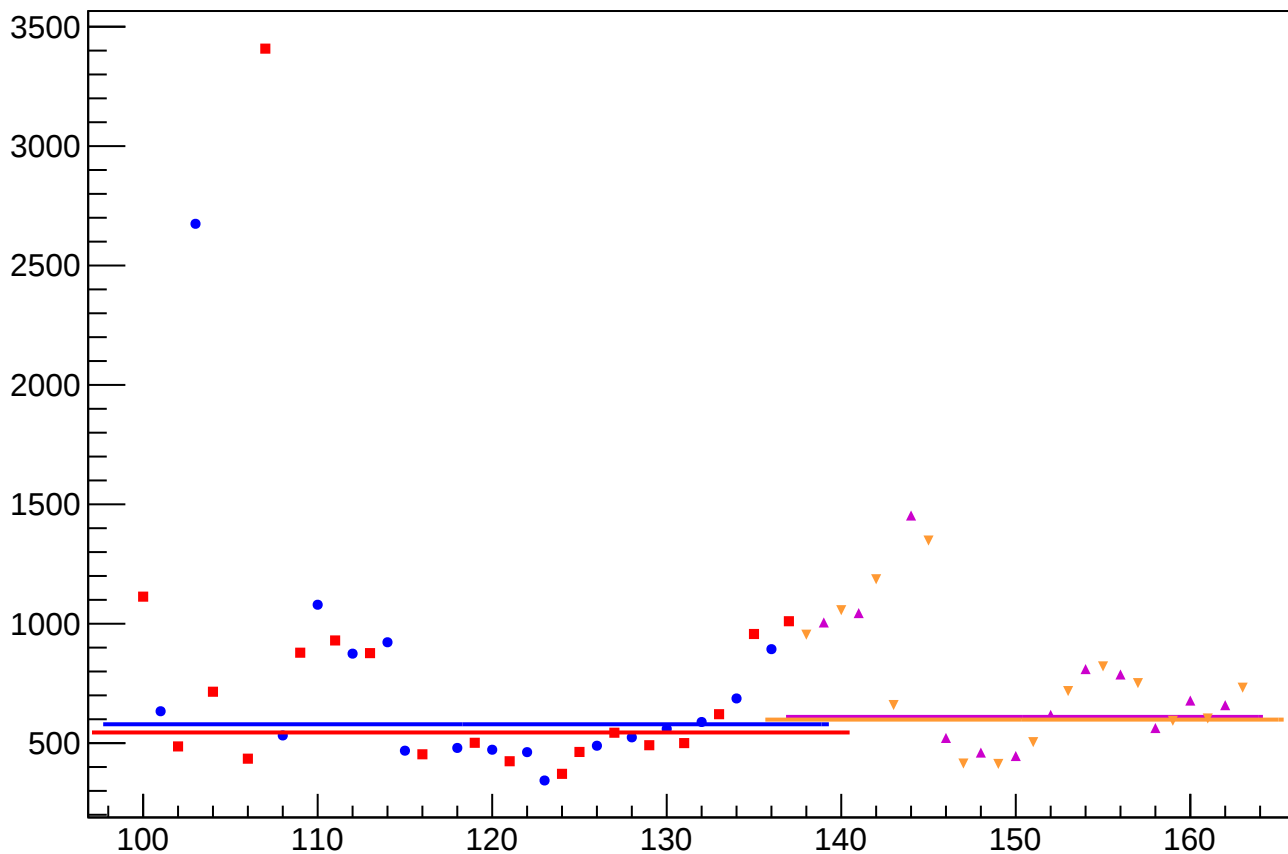
Right: -233.352 $\pm$ 165.764 χ^2 /NDF: 37.0/35

In: -18.665 $\pm$ 156.511 χ^2 /NDF:26.0/28

Out: -324.773 $\pm$ 148.997 χ^2 /NDF:41.3/32

All: -179.243 $\pm$ 107.916 χ^2 /NDF: 69.3/61

asym_at1_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 598.517 $\pm$ 0.139 χ^2 /NDF: 2104983.2/13

Right Out: 544.674 $\pm$ 0.162 χ^2 /NDF: 1457799.9/18

Left In: 609.877 $\pm$ 0.146 χ^2 /NDF: 1738806.7/11

Left: 603.911 $\pm$ 0.101 χ^2 /NDF: 3846974.1/25

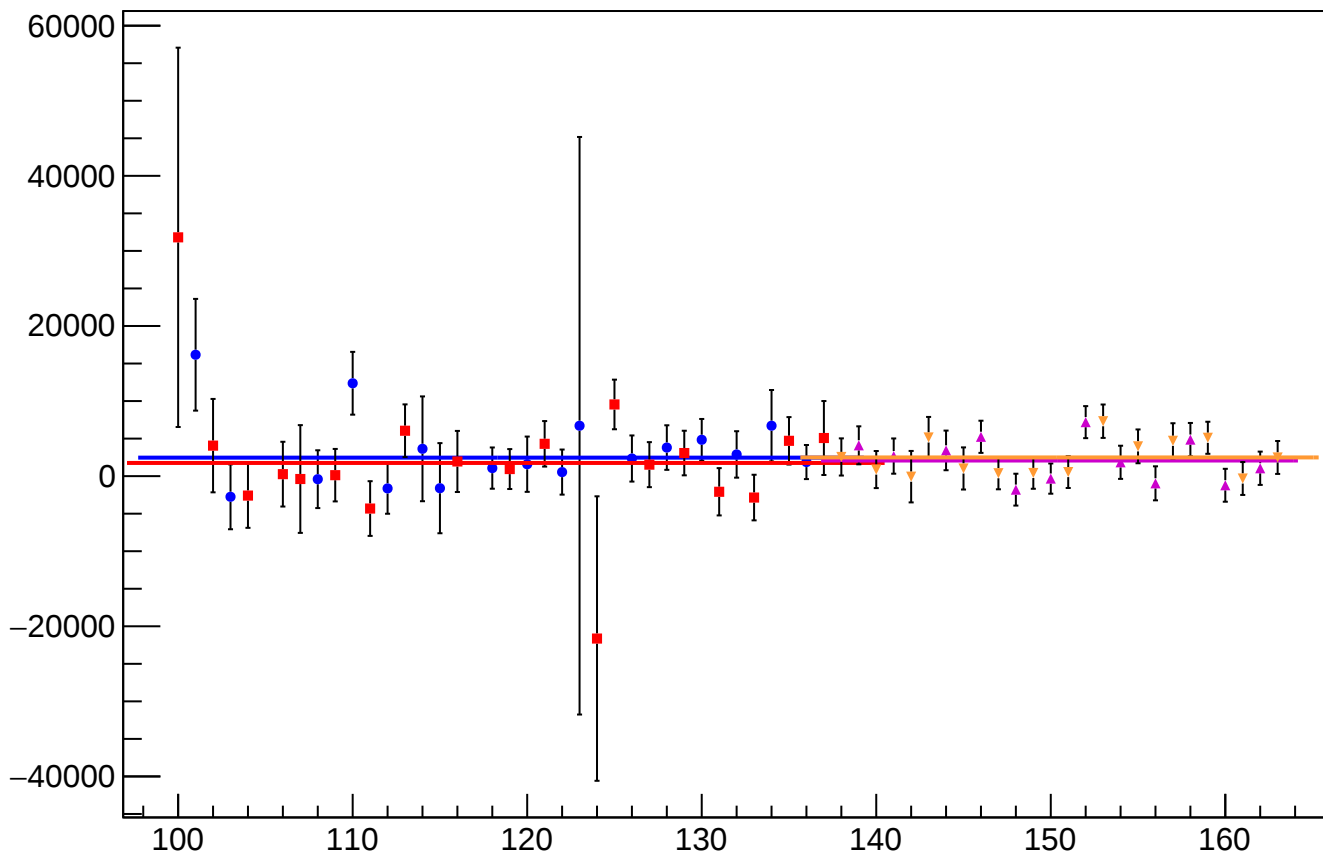
Right: 561.024 $\pm$ 0.117 χ^2 /NDF: 2901353.8/35

In: 596.773 $\pm$ 0.111 χ^2 /NDF: 3179959.1/28

Out: 575.730 $\pm$ 0.105 χ^2 /NDF: 3626537.1/32

All: 585.735 $\pm$ 0.076 χ^2 /NDF: 6825462.4/61

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2464.076+/-863.197 χ^2/NDF : 15.5/16

Left Out: 2490.915+/-625.339 χ^2/NDF :14.2/13

Right Out: 1756.788+/-853.292 χ^2/NDF : 20.5/18

Left In: 2081.834+/-645.189 χ^2/NDF :19.5/11

Left: 2292.764+/-449.035 χ^2/NDF : 33.9/25

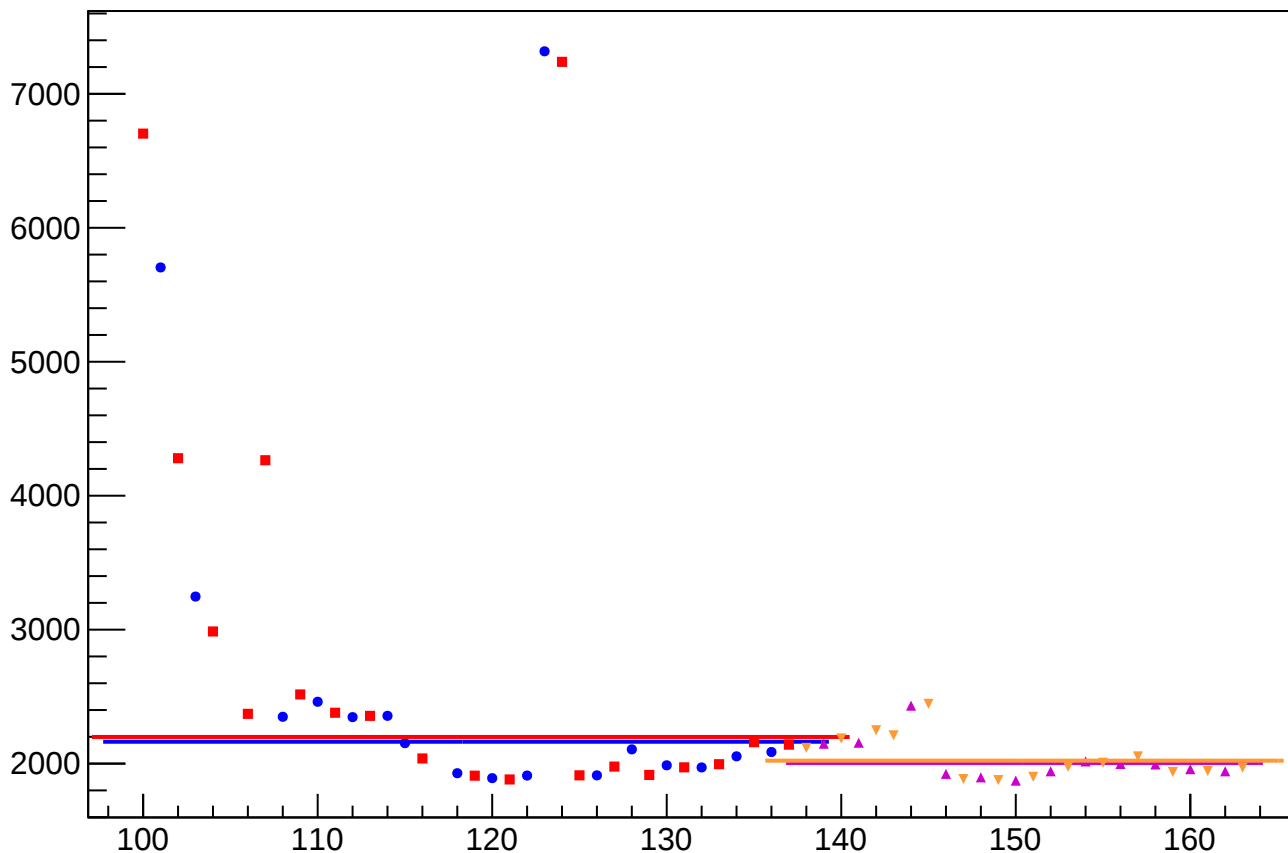
Right: 2106.351+/-606.840 χ^2/NDF : 36.4/35

In: 2218.840+/-516.785 χ^2/NDF :35.2/28

Out: 2234.400+/-504.392 χ^2/NDF :35.1/32

All: 2226.809+/-360.961 χ^2/NDF : 70.3/61

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2163.303 $\pm$ 0.610 χ^2 /NDF: 709584.4/16

Left Out: 2021.930 $\pm$ 0.442 χ^2 /NDF:108276.5/13

Right Out: 2199.003 $\pm$ 0.603 χ^2 /NDF: 803297.2/18

Left In: 2004.836 $\pm$ 0.456 χ^2 /NDF:88159.3/11

Left: 2013.650 $\pm$ 0.318 χ^2 /NDF: 197159.7/25

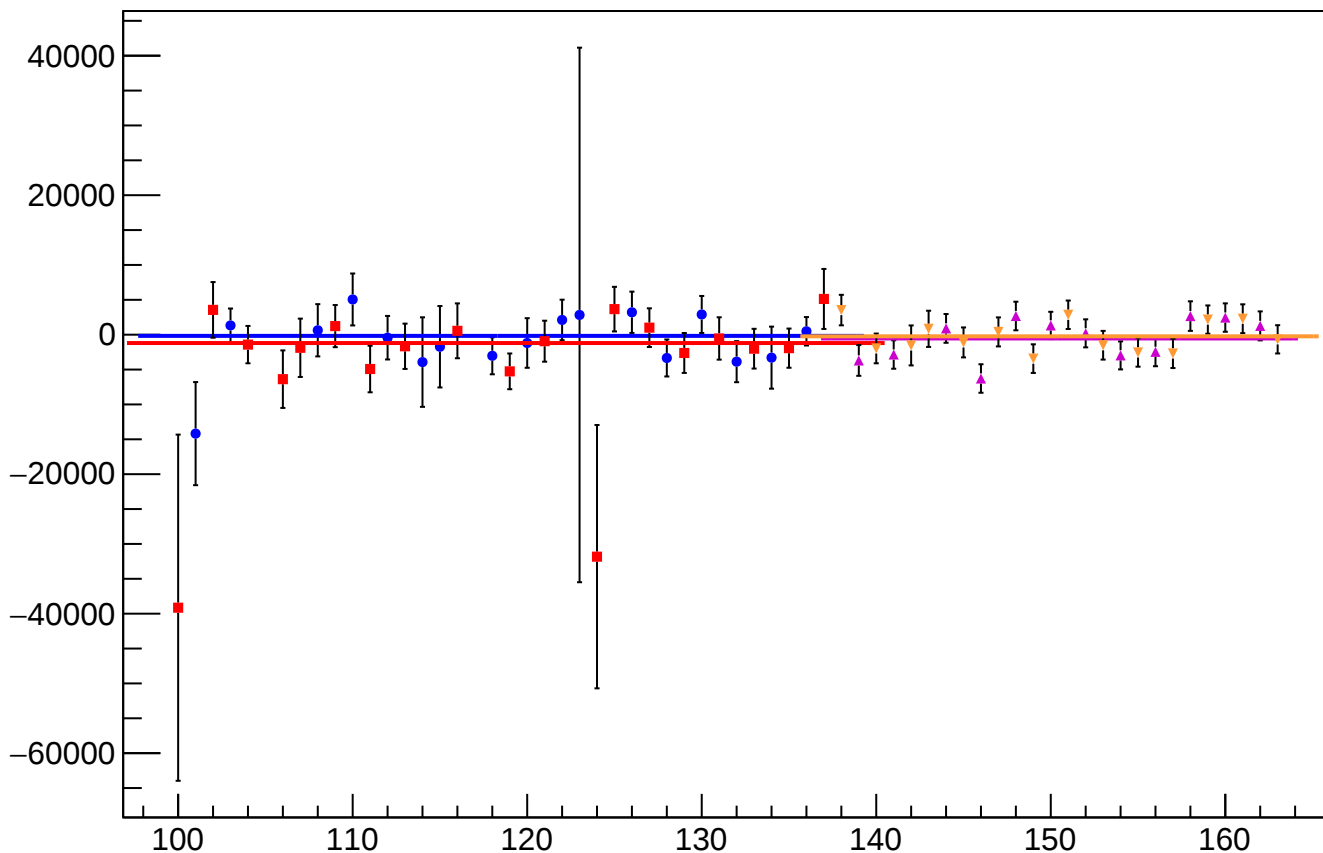
Right: 2181.359 $\pm$ 0.429 χ^2 /NDF: 1514611.9/35

In: 2061.635 $\pm$ 0.365 χ^2 /NDF:840988.4/28

Out: 2083.802 $\pm$ 0.357 χ^2 /NDF:967606.8/32

All: 2072.987 $\pm$ 0.255 χ^2 /NDF: 1810479.8/63

reg_asym_at1_dd_mean vs Slug, Sign Corrected



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

Left Out: -234.574+/-572.621 χ^2/NDF :15.0/13

Right Out: -1197.543+/-764.254 χ^2/NDF : 18.2/18

Left In: -541.166+/-592.771 χ^2/NDF :22.8/11

Left: -382.570+/-411.843 χ^2/NDF : 37.9/25

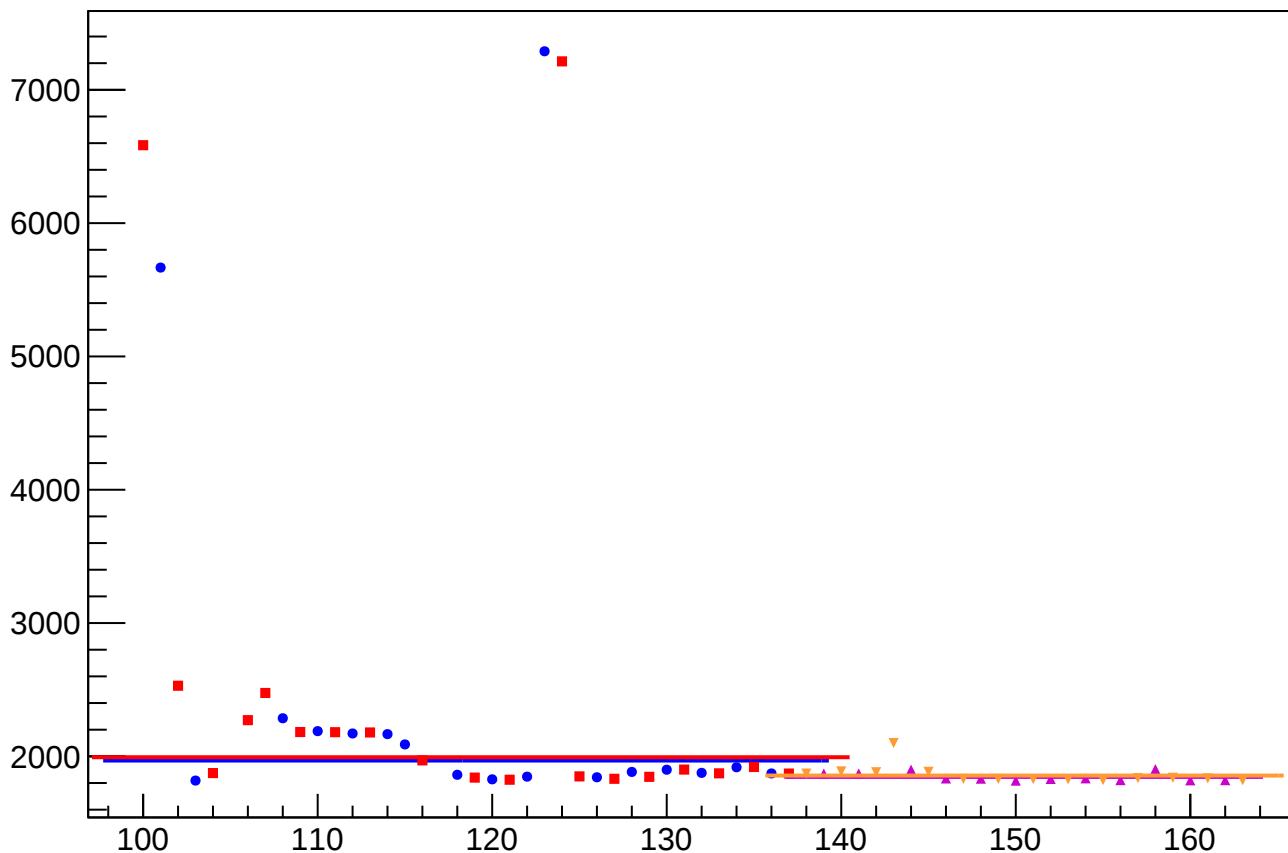
Right: -695.987+/-546.706 χ^2/NDF : 33.6/35

In: -405.934+/-472.477 χ^2/NDF :37.4/28

Out: -580.802+/-458.260 χ^2/NDF :34.2/32

All: -496.038+/-328.950 χ^2/NDF : 71.6/61

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1968.632 $\pm$ 0.553 χ^2 /NDF: 602972.8/16

Left Out: 1855.988 $\pm$ 0.405 χ^2 /NDF: 21649.9/13

Right Out: 1993.422 $\pm$ 0.540 χ^2 /NDF: 356172.4/18

Left In: 1845.940 $\pm$ 0.419 χ^2 /NDF: 5117.3/11

Left: 1851.138 $\pm$ 0.291 χ^2 /NDF: 27064.4/25

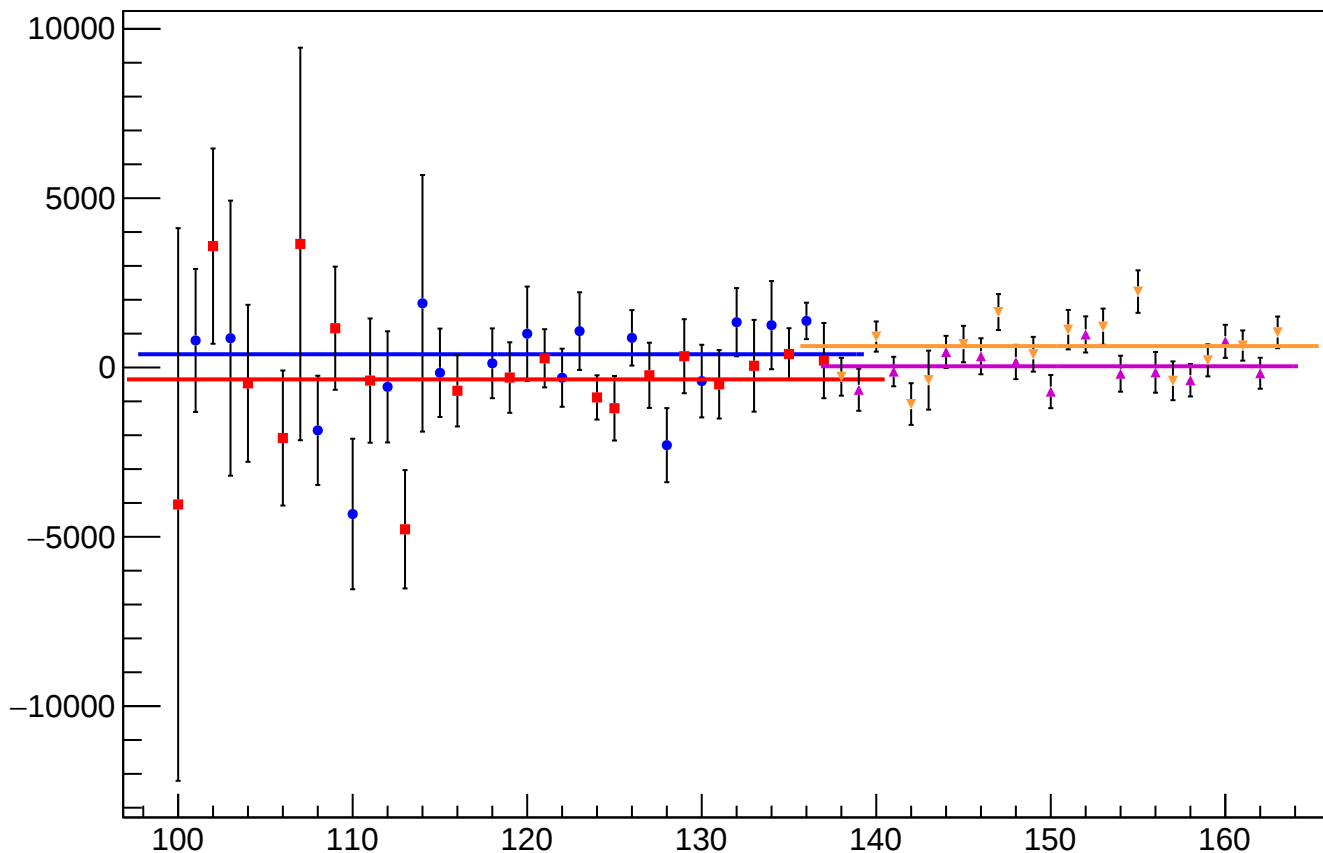
Right: 1981.318 $\pm$ 0.387 χ^2 /NDF: 960172.6/35

In: 1890.684 $\pm$ 0.334 χ^2 /NDF: 639337.5/28

Out: 1905.401 $\pm$ 0.324 χ^2 /NDF: 419244.4/32

All: 1898.268 $\pm$ 0.233 χ^2 /NDF: 1059581.7/63

asym_at1_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 632.169+/-142.712 χ^2/NDF :29.1/13

Right Out: -350.642+/-266.097 χ^2/NDF : 14.2/18

Left In: 35.965+/-145.797 χ^2/NDF :11.5/11

Left: 340.443+/-101.986 χ^2/NDF : 49.1/25

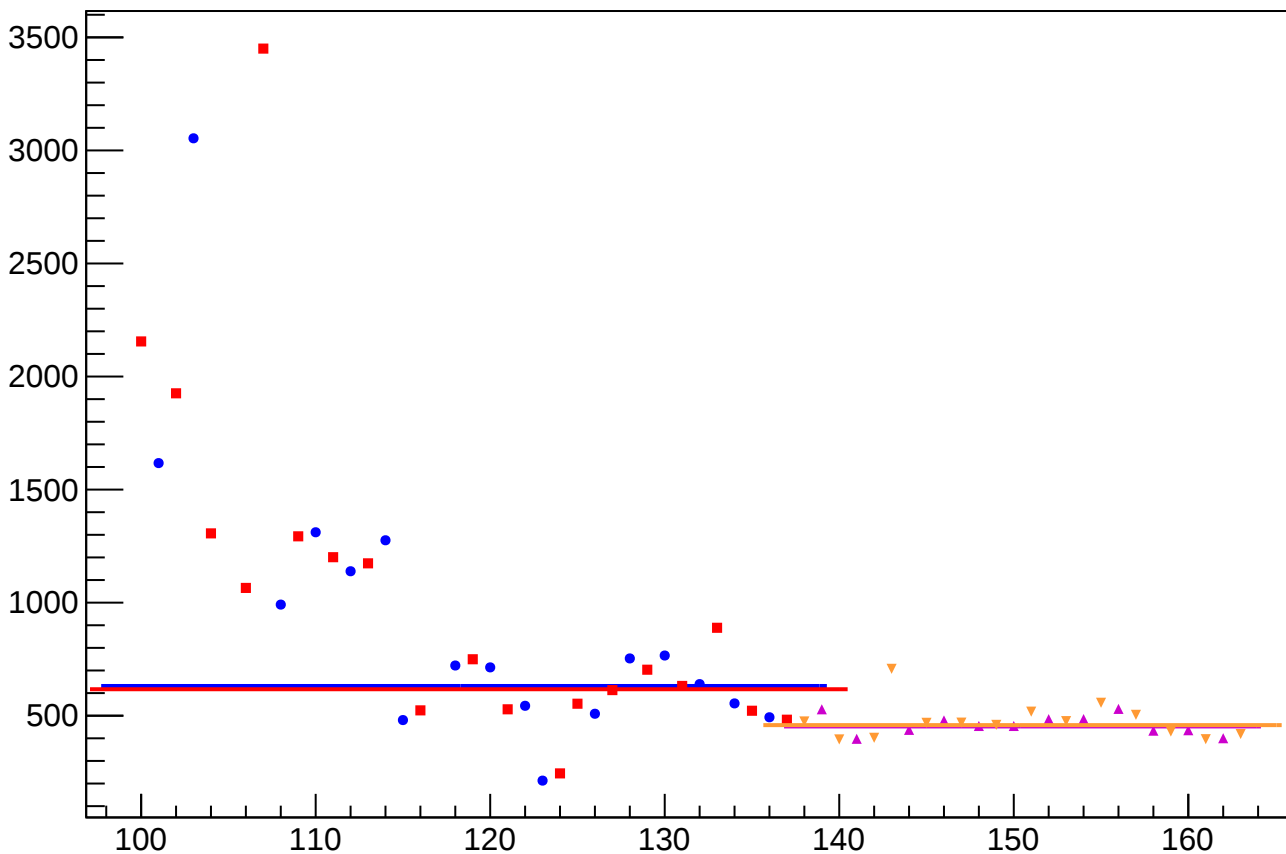
Right: 14.566+/-189.568 χ^2/NDF : 38.1/35

In: 116.041+/-128.302 χ^2/NDF :32.8/28

Out: 412.627+/-125.766 χ^2/NDF :53.9/32

All: 267.294+/-89.813 χ^2/NDF : 89.5/61

asym_at1_dd_correction_rms vs Slug, Sign Corrected



Right In: 631.430 $\pm$ 0.191 χ^2 /NDF: 2260692.7/16

Left Out: 458.343 $\pm$ 0.101 χ^2 /NDF: 369427.9/13

Right Out: 617.035 $\pm$ 0.188 χ^2 /NDF: 2802149.9/18

Left In: 452.462 $\pm$ 0.103 χ^2 /NDF: 148015.2/11

Left: 455.465 $\pm$ 0.072 χ^2 /NDF: 519105.0/25

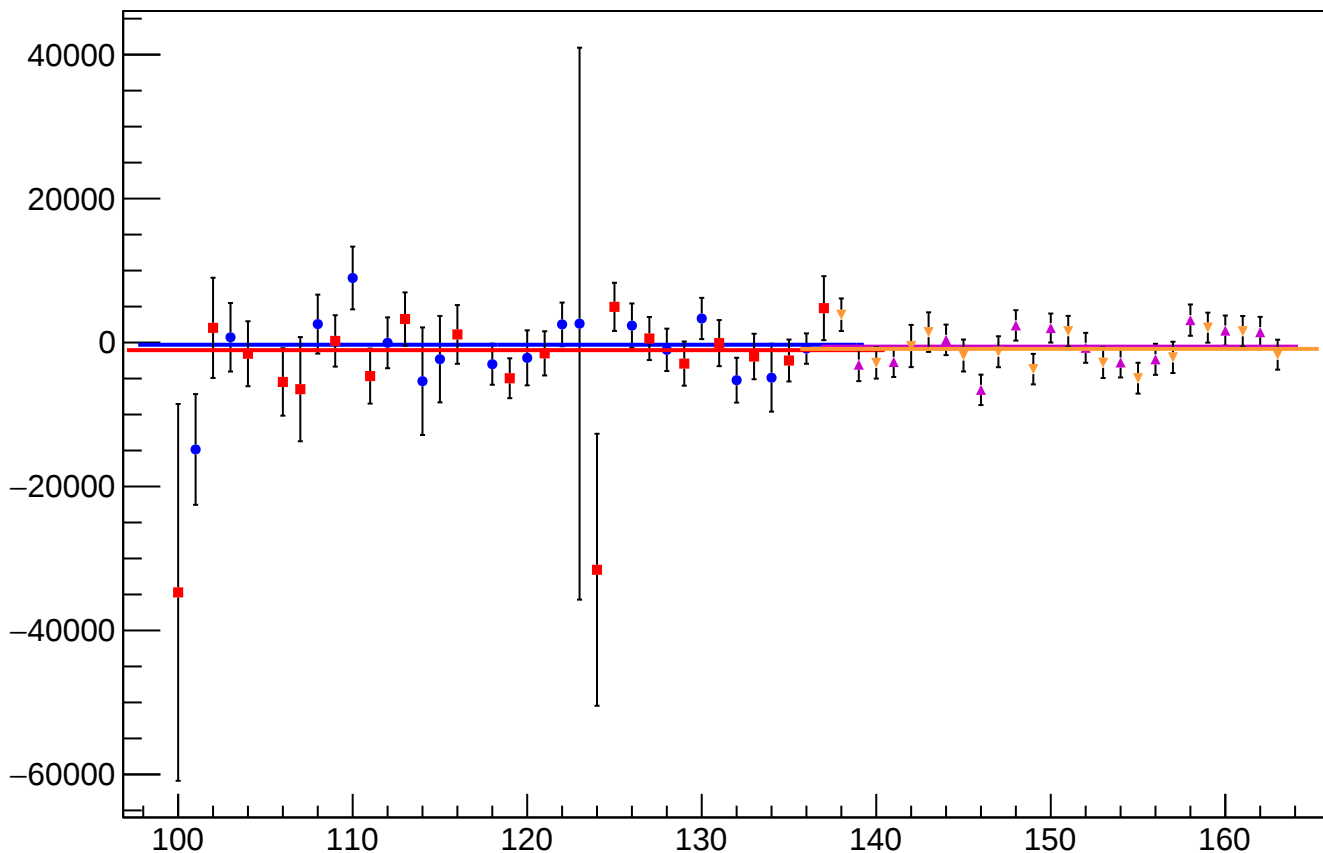
Right: 624.124 $\pm$ 0.134 χ^2 /NDF: 5065724.7/35

In: 492.836 $\pm$ 0.091 χ^2 /NDF: 3088549.6/28

Out: 493.792 $\pm$ 0.089 χ^2 /NDF: 3724000.4/32

All: 493.324 $\pm$ 0.064 χ^2 /NDF: 6812606.6/61

asym_at1_dd_mean vs Slug, Sign Corrected



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

Left Out: -882.045+/-592.099 χ^2/NDF :17.4/13

Right Out: -1056.856+/-867.445 χ^2/NDF : 16.6/18

Left In: -568.208+/-611.664 χ^2/NDF :20.8/11

Left: -730.226+/-425.426 χ^2/NDF : 38.3/25

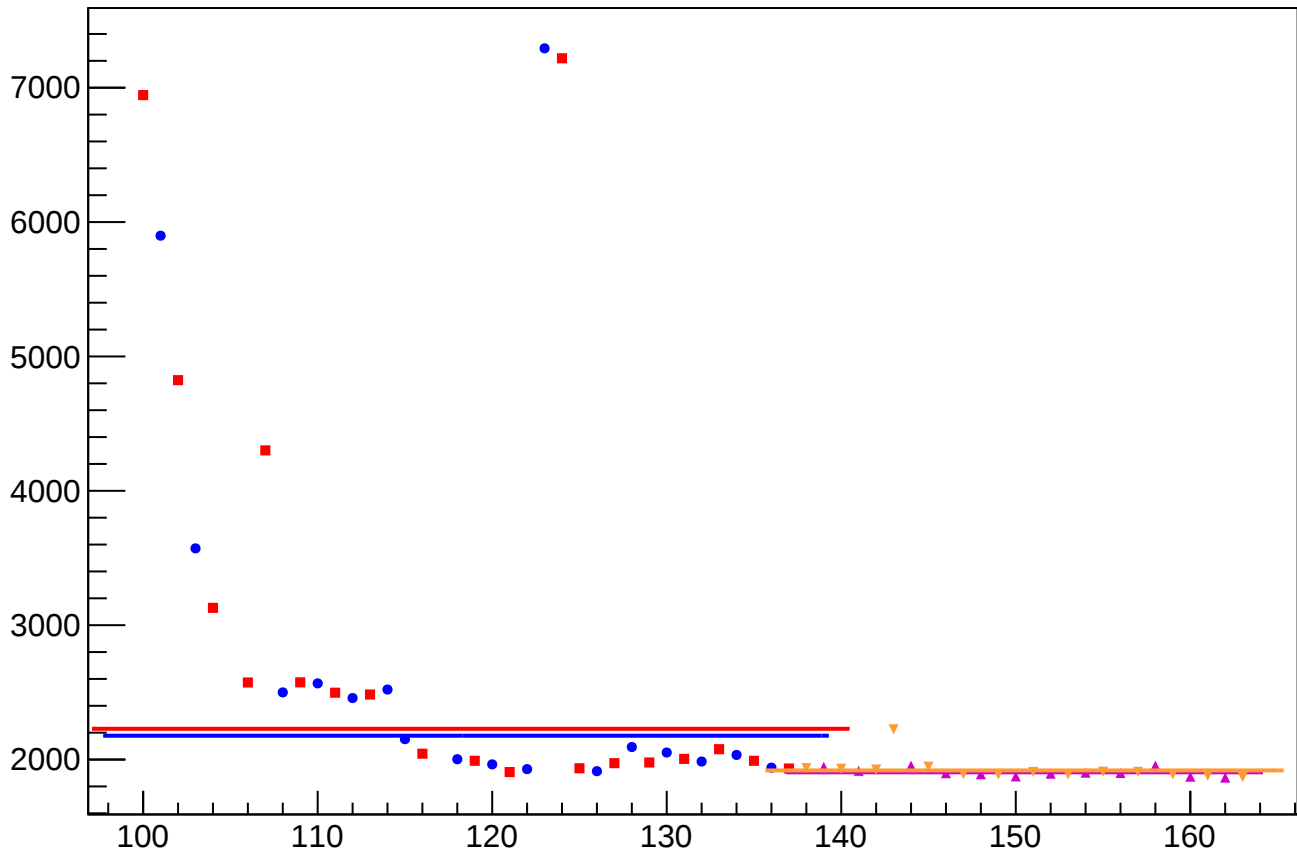
Right: -683.218+/-614.953 χ^2/NDF : 34.2/35

In: -481.634+/-500.739 χ^2/NDF :38.0/28

Out: -937.605+/-489.035 χ^2/NDF :34.1/32

All: -715.010+/-349.865 χ^2/NDF : 72.5/61

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2177.446 $\pm$ 0.617 χ^2/NDF : 802836.7/16

Left Out: 1919.042 $\pm$ 0.419 χ^2/NDF : 28691.9/13

Right Out: 2229.014 $\pm$ 0.613 χ^2/NDF : 895809.1/18

Left In: 1904.995 $\pm$ 0.433 χ^2/NDF : 4628.2/11

Left: 1912.247 $\pm$ 0.301 χ^2/NDF : 33864.7/25

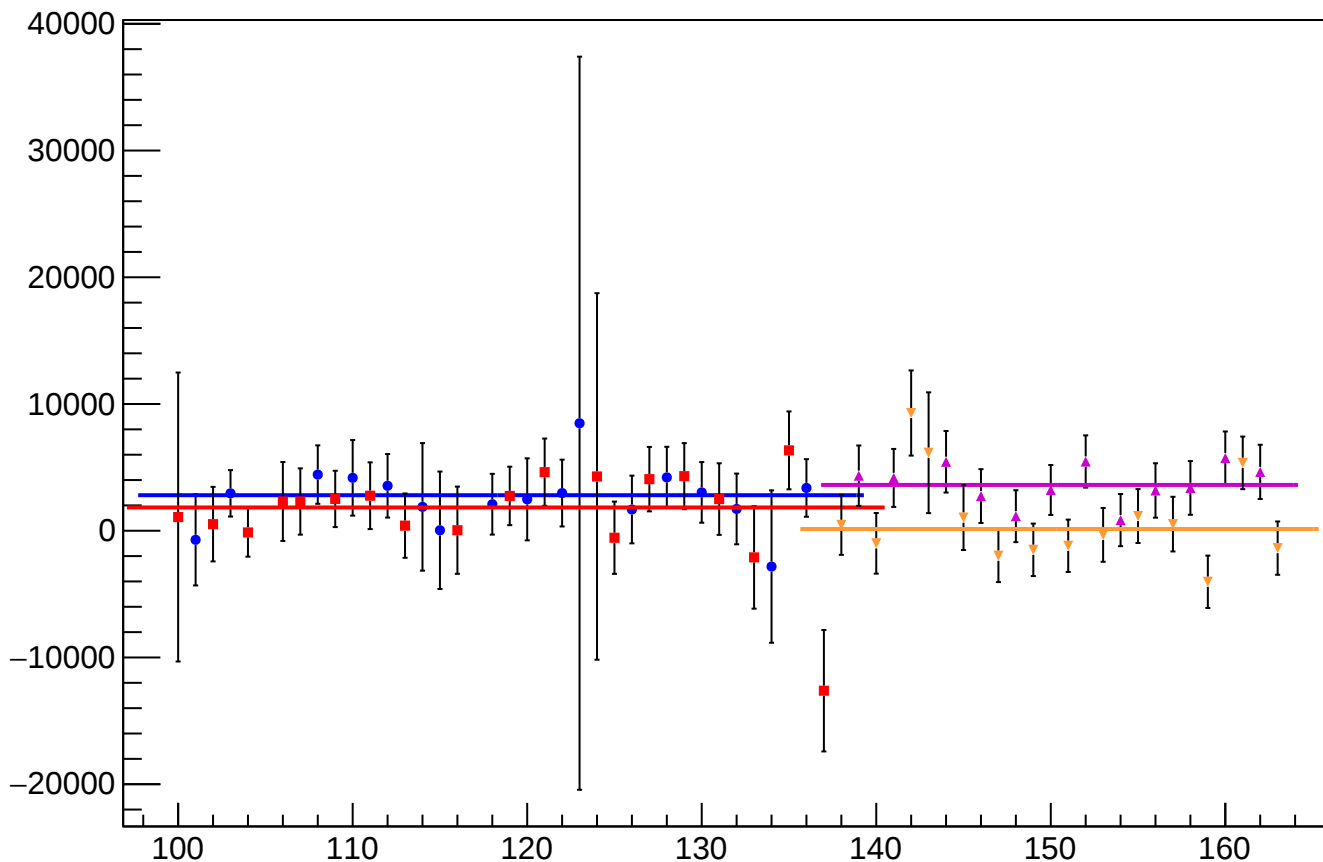
Right: 2203.363 $\pm$ 0.435 χ^2/NDF : 1702161.6/35

In: 1994.853 $\pm$ 0.354 χ^2/NDF : 938337.5/28

Out: 2017.561 $\pm$ 0.346 χ^2/NDF : 1098714.9/32

All: 2006.475 $\pm$ 0.247 χ^2/NDF : 2039157.6/63

reg_asym_at2_avg_mean vs Slug, Sign Corrected



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

Left Out: 135.870+/-609.967 χ^2/NDF : 22.7/13

Right Out: 1837.168+/-655.307 χ^2/NDF : 18.0/18

Left In: 3615.798+/-618.600 χ^2/NDF : 6.3/11

Left: 1851.382+/-434.332 χ^2/NDF : 45.0/25

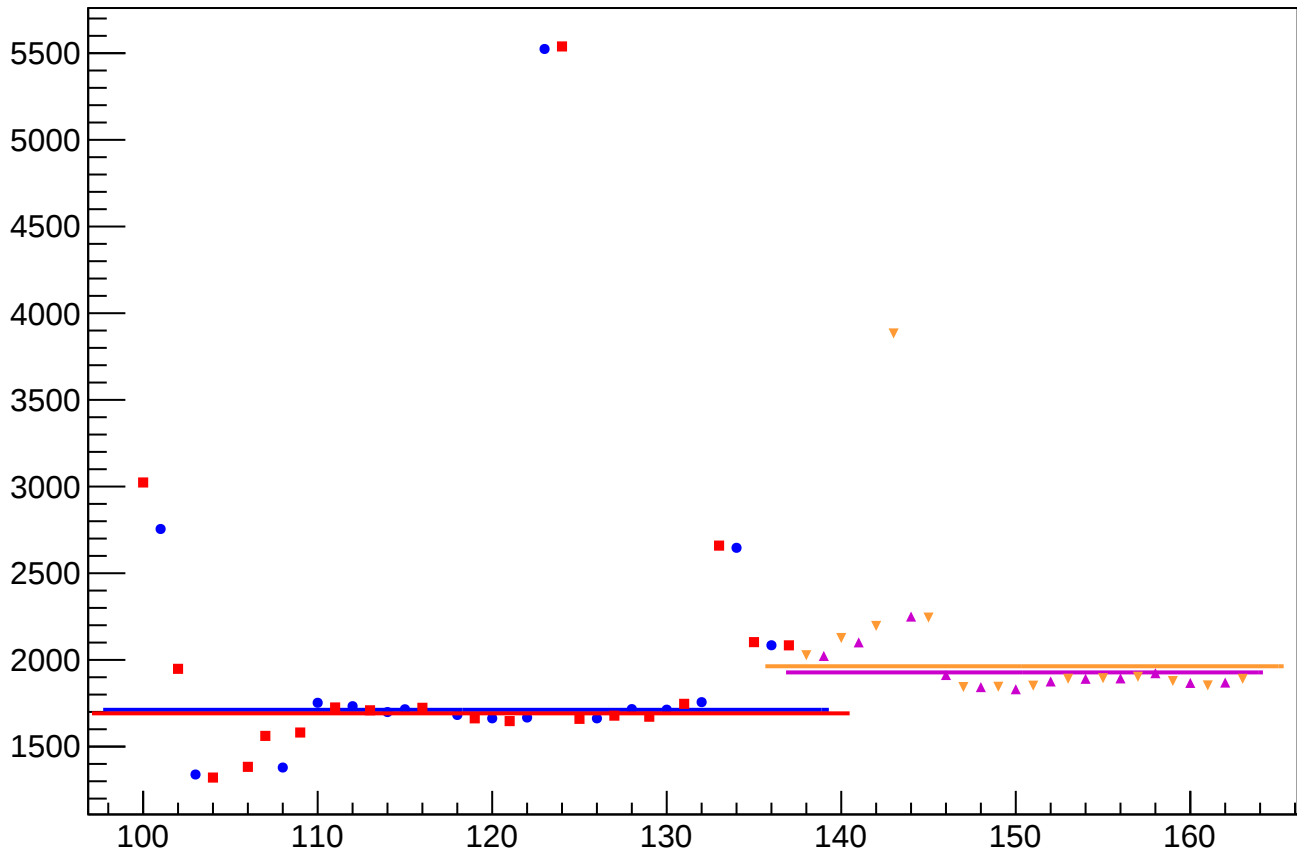
Right: 2303.702+/-471.374 χ^2/NDF : 23.0/35

In: 3247.299+/-457.144 χ^2/NDF : 11.0/28

Out: 925.633+/-446.481 χ^2/NDF : 44.3/32

All: 2059.073+/-319.413 χ^2/NDF : 68.5/61

reg_asym_at2_avg_rms vs Slug, Sign Corrected



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

Left Out: 1963.365+/-0.431 χ^2/NDF : 405493.3/13

Right Out: 1691.747+/-0.463 χ^2/NDF : 454922.1/18

Left In: 1927.936+/-0.437 χ^2/NDF : 63848.6/11

Left: 1945.899+/-0.307 χ^2/NDF : 472668.1/25

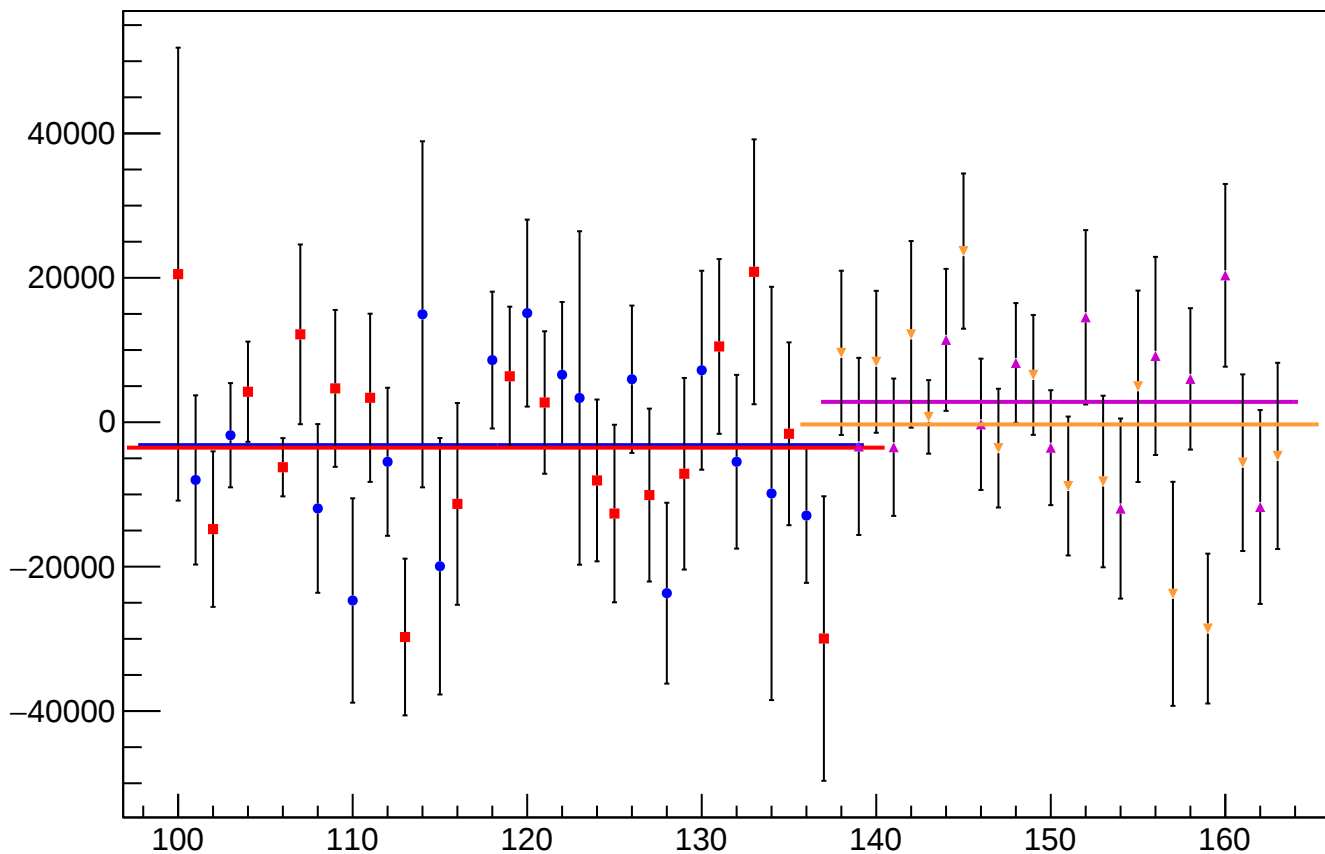
Right: 1701.595+/-0.333 χ^2/NDF : 888336.5/35

In: 1829.996+/-0.323 χ^2/NDF : 606782.1/28

Out: 1837.275+/-0.316 χ^2/NDF : 1044516.0/32

All: 1833.722+/-0.226 χ^2/NDF : 1651557.6/63

asym_at2_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -301.067 $\pm$ 2579.082 χ^2 /NDF:19.7/13

Right Out: -3520.105 $\pm$ 2266.532 χ^2 /NDF: 19.5/18

Left In: 2820.833 $\pm$ 2997.403 χ^2 /NDF:8.4/11

Left: 1027.003 $\pm$ 1954.997 χ^2 /NDF: 28.8/25

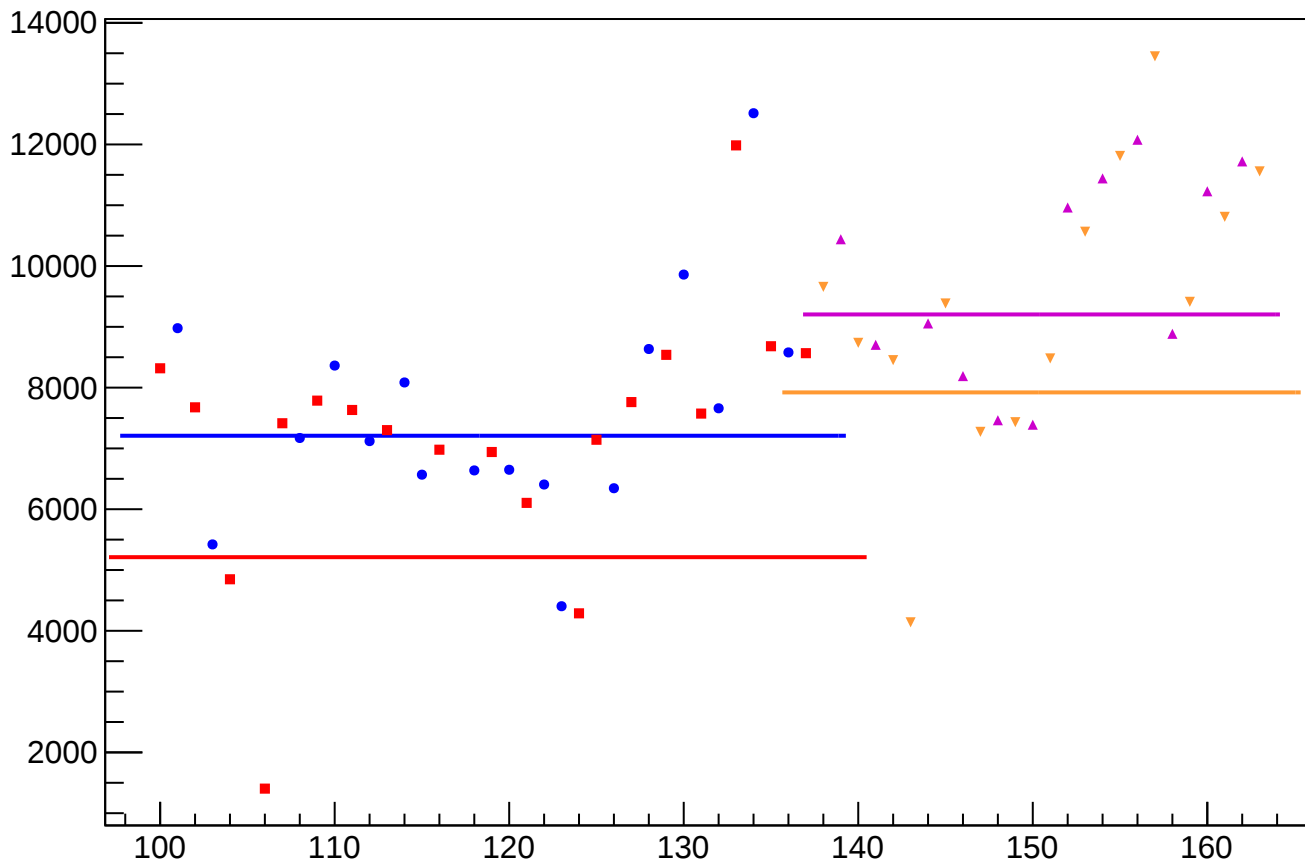
Right: -3385.836 $\pm$ 1774.424 χ^2 /NDF: 33.9/35

In: -325.133 $\pm$ 2066.153 χ^2 /NDF:24.9/28

Out: -2117.359 $\pm$ 1702.518 χ^2 /NDF:40.1/32

All: -1392.581 $\pm$ 1313.919 χ^2 /NDF: 65.5/61

asym_at2_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 7921.462 $\pm$ 1.824 χ^2 /NDF: 2067160.5/13

Right Out: 5211.187 $\pm$ 1.603 χ^2 /NDF: 3196870.2/18

Left In: 9203.821 $\pm$ 2.119 χ^2 /NDF: 561454.4/11

Left: 8466.983 $\pm$ 1.382 χ^2 /NDF: 2838954.4/25

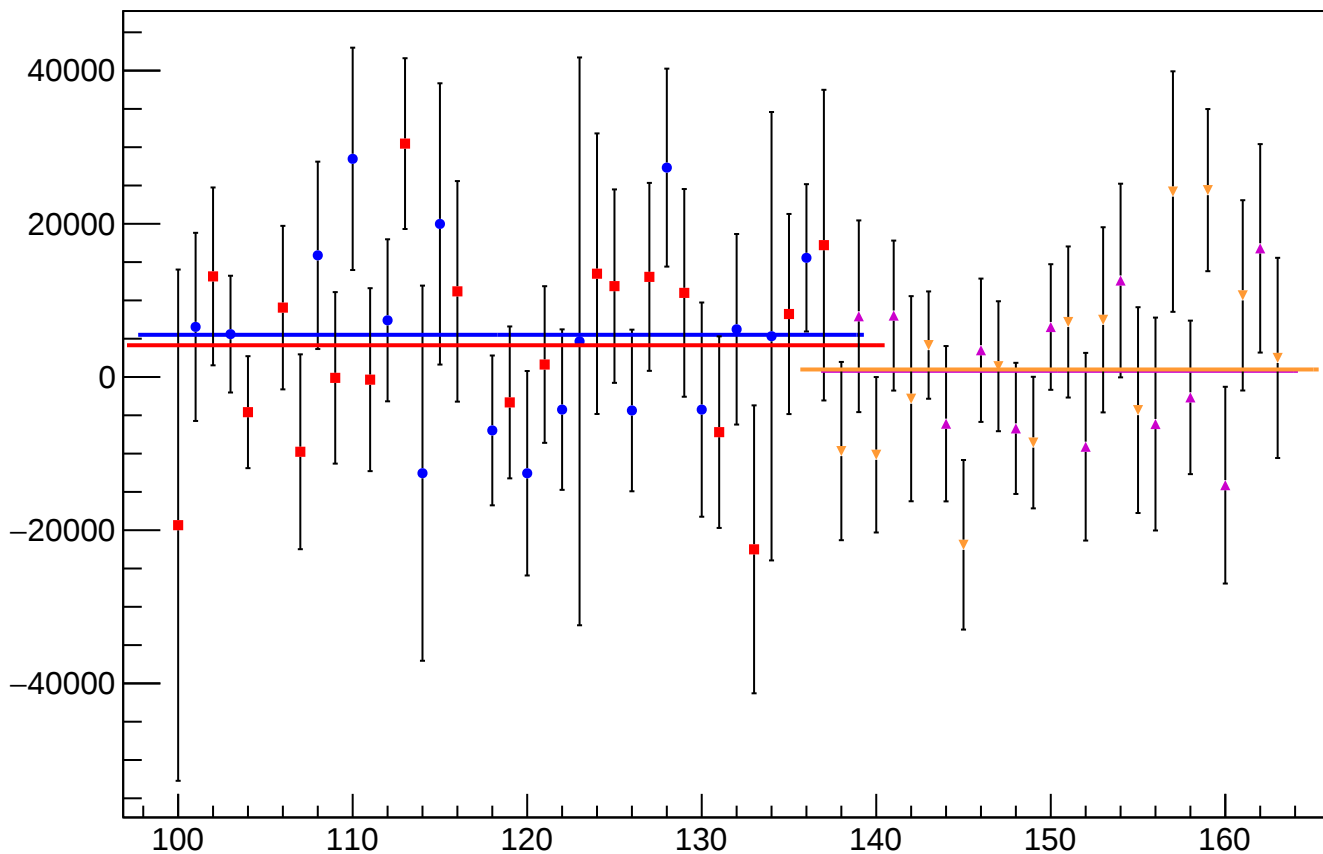
Right: 5984.369 $\pm$ 1.255 χ^2 /NDF: 4267414.1/35

In: 8156.621 $\pm$ 1.461 χ^2 /NDF: 1495878.9/28

Out: 6392.232 $\pm$ 1.204 χ^2 /NDF: 6510226.2/32

All: 7105.752 $\pm$ 0.929 χ^2 /NDF: 8874761.0/63

asym_at2_avg_mean vs Slug, Sign Corrected



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

Left Out: 982.652+/-2809.890 χ^2/NDF :16.4/13

Right Out: 4146.067+/-2790.212 χ^2/NDF : 15.4/18

Left In: 805.898+/-3071.214 χ^2/NDF :7.3/11

Left: 902.114+/-2073.133 χ^2/NDF : 23.7/25

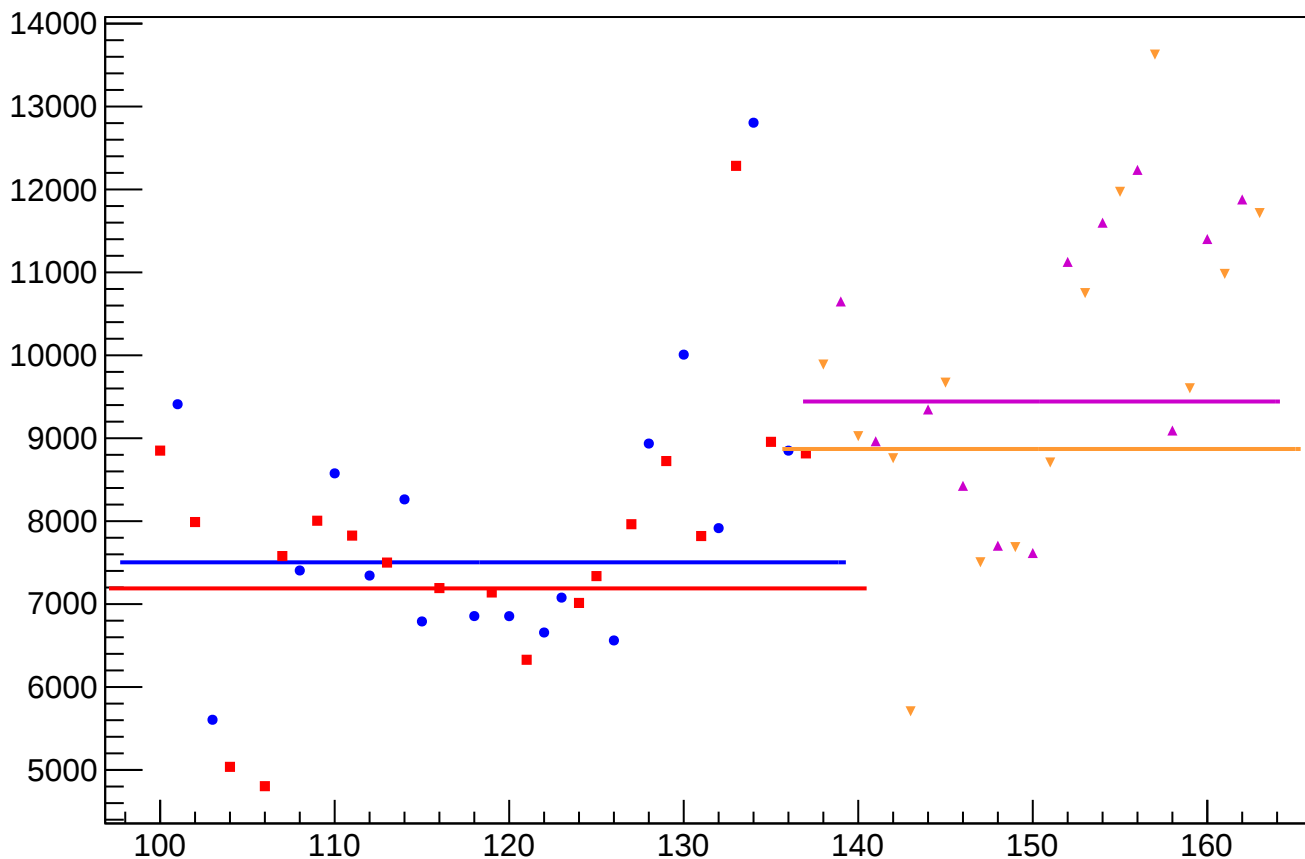
Right: 4784.984+/-2033.900 χ^2/NDF : 29.6/35

In: 3235.609+/-2135.376 χ^2/NDF :22.6/28

Out: 2575.475+/-1979.898 χ^2/NDF :32.4/32

All: 2880.637+/-1451.857 χ^2/NDF : 55.1/61

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7503.667 +/- 2.101 χ^2/NDF : 427313.5/16

Left Out: 8870.425 +/- 1.987 χ^2/NDF : 1025118.2/13

Right Out: 7189.231 +/- 1.973 χ^2/NDF : 557703.4/18

Left In: 9442.941 +/- 2.172 χ^2/NDF : 518920.3/11

Left: 9131.294 +/- 1.466 χ^2/NDF : 1581870.7/25

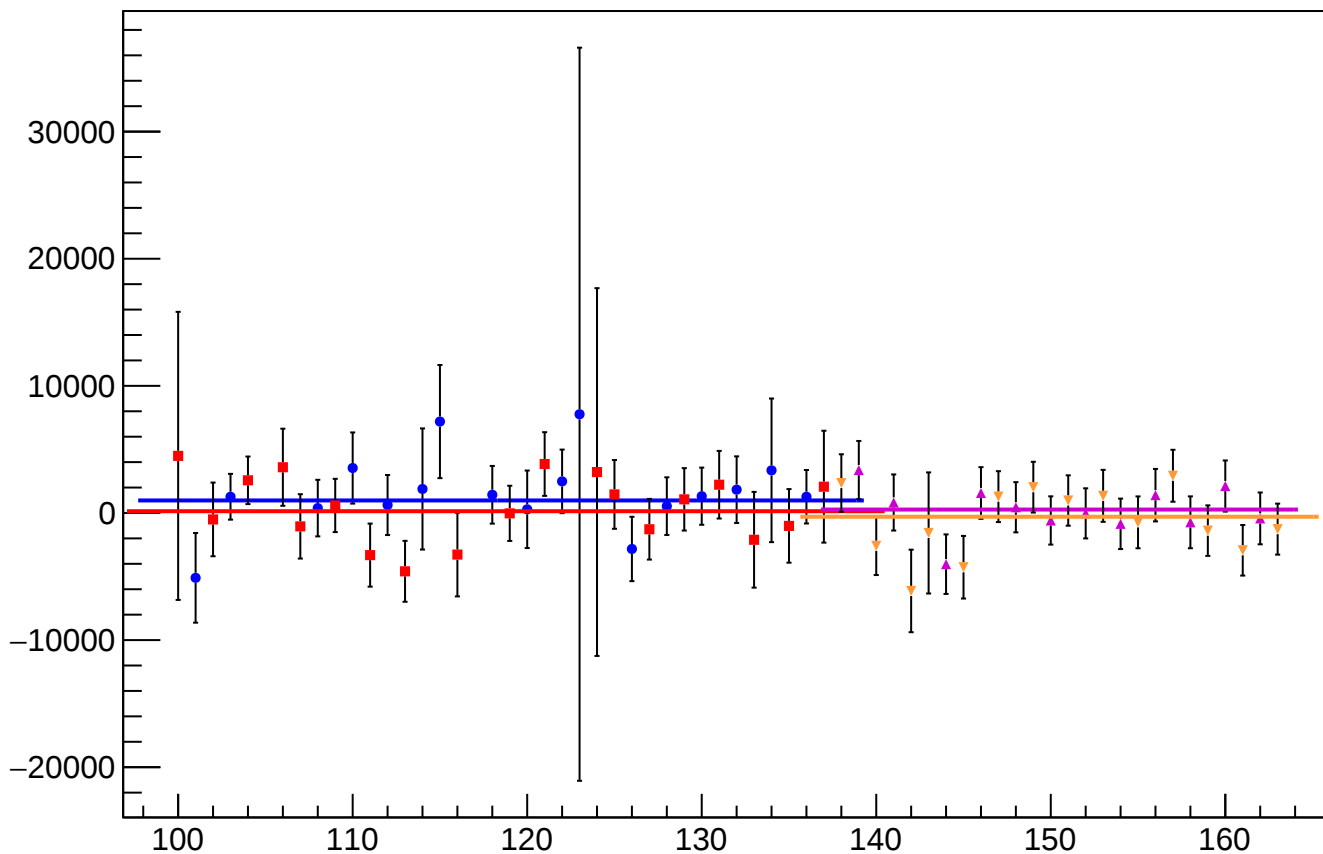
Right: 7336.574 +/- 1.438 χ^2/NDF : 996921.9/35

In: 8441.135 +/- 1.510 χ^2/NDF : 1358173.0/28

Out: 8023.813 +/- 1.400 χ^2/NDF : 1943362.0/32

All: 8216.719 +/- 1.027 χ^2/NDF : 3342613.7/63

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 985.452+/-644.630 χ^2/NDF : 9.1/16

Left Out: -296.769+/-585.525 χ^2/NDF :16.1/13

Right Out: 138.627+/-623.555 χ^2/NDF : 14.7/18

Left In: 268.562+/-594.554 χ^2/NDF :7.7/11

Left: -18.428+/-417.184 χ^2/NDF : 24.3/25

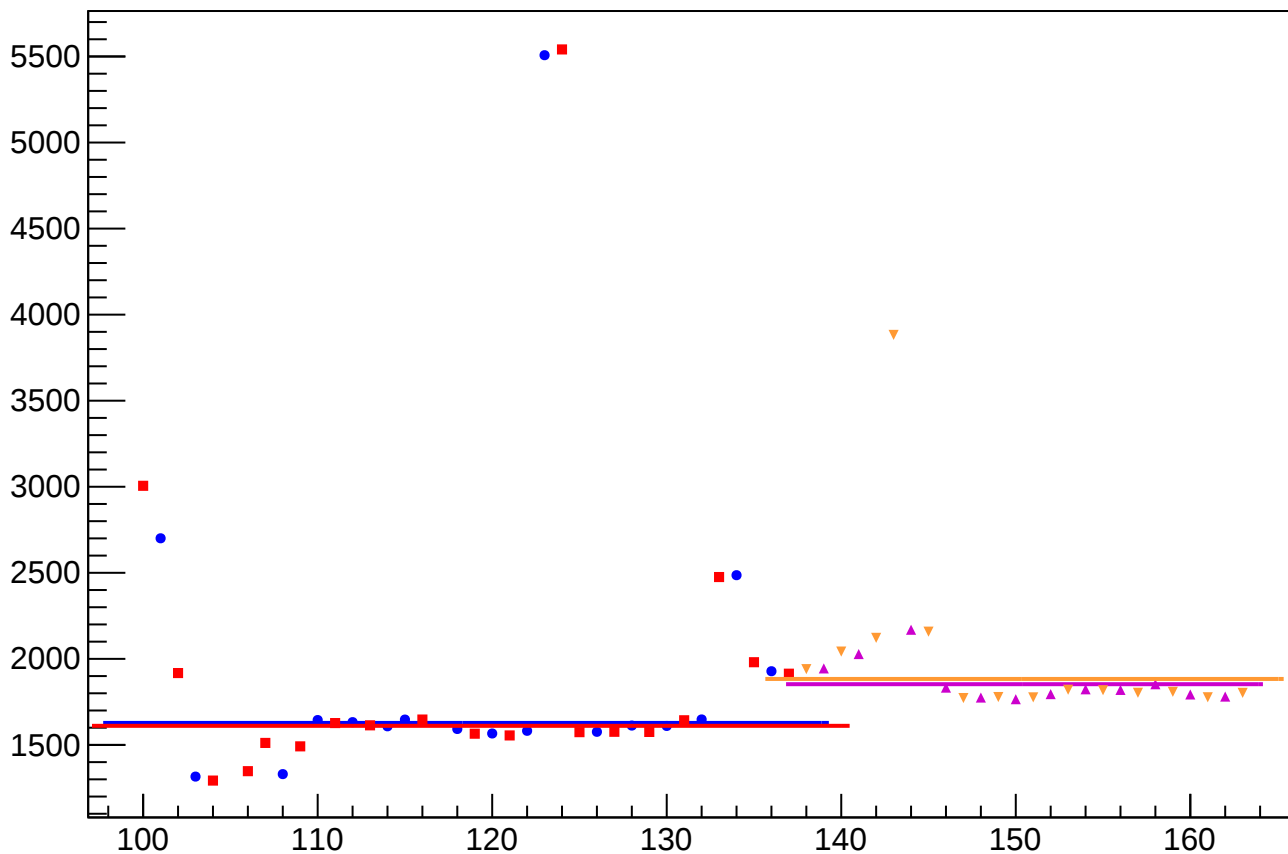
Right: 547.971+/-448.185 χ^2/NDF : 24.6/35

In: 598.084+/-437.045 χ^2/NDF :17.5/28

Out: -92.752+/-426.840 χ^2/NDF :31.1/32

All: 244.506+/-305.366 χ^2/NDF : 49.8/61

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1627.836 $\pm$ 0.456 χ^2 /NDF: 407106.6/16

Left Out: 1883.316 $\pm$ 0.414 χ^2 /NDF: 434998.8/13

Right Out: 1610.948 $\pm$ 0.441 χ^2 /NDF: 433960.8/18

Left In: 1852.846 $\pm$ 0.420 χ^2 /NDF: 66741.8/11

Left: 1868.314 $\pm$ 0.295 χ^2 /NDF: 504407.1/25

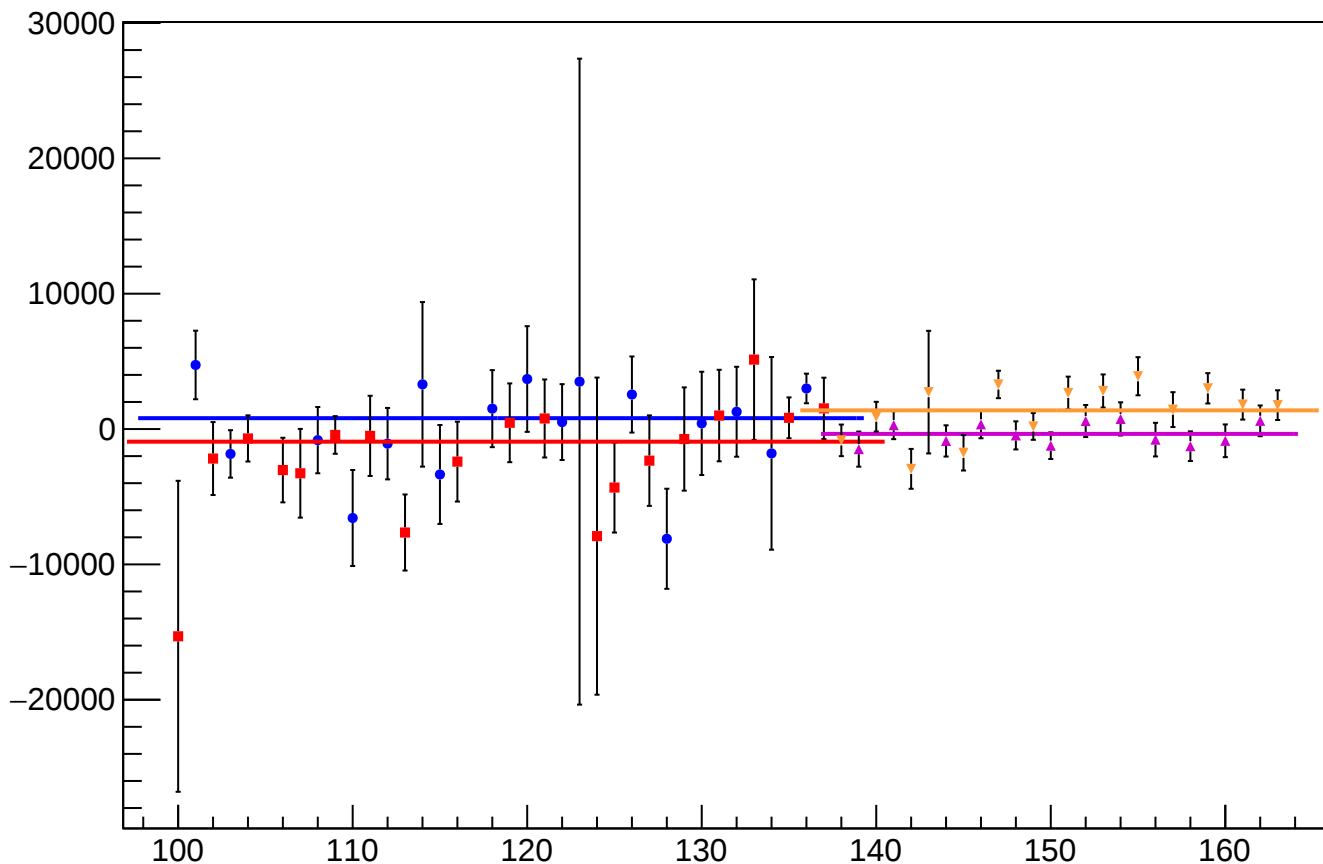
Right: 1619.112 $\pm$ 0.317 χ^2 /NDF: 841776.5/35

In: 1749.419 $\pm$ 0.309 χ^2 /NDF: 605517.8/28

Out: 1755.690 $\pm$ 0.302 χ^2 /NDF: 1071742.5/32

All: 1752.629 $\pm$ 0.216 χ^2 /NDF: 1677471.1/63

asym_at2_dd_correction_mean vs Slug, Sign Corrected



Right In: 803.048 $\pm$ 631.676 χ^2 /NDF: 22.4/16

Left Out: 1379.750 $\pm$ 323.325 χ^2 /NDF:31.3/13

Right Out: -933.645 $\pm$ 589.727 χ^2 /NDF: 15.3/18

Left In: -358.724 $\pm$ 324.418 χ^2 /NDF:5.8/11

Left: 513.448 $\pm$ 229.011 χ^2 /NDF: 51.5/25

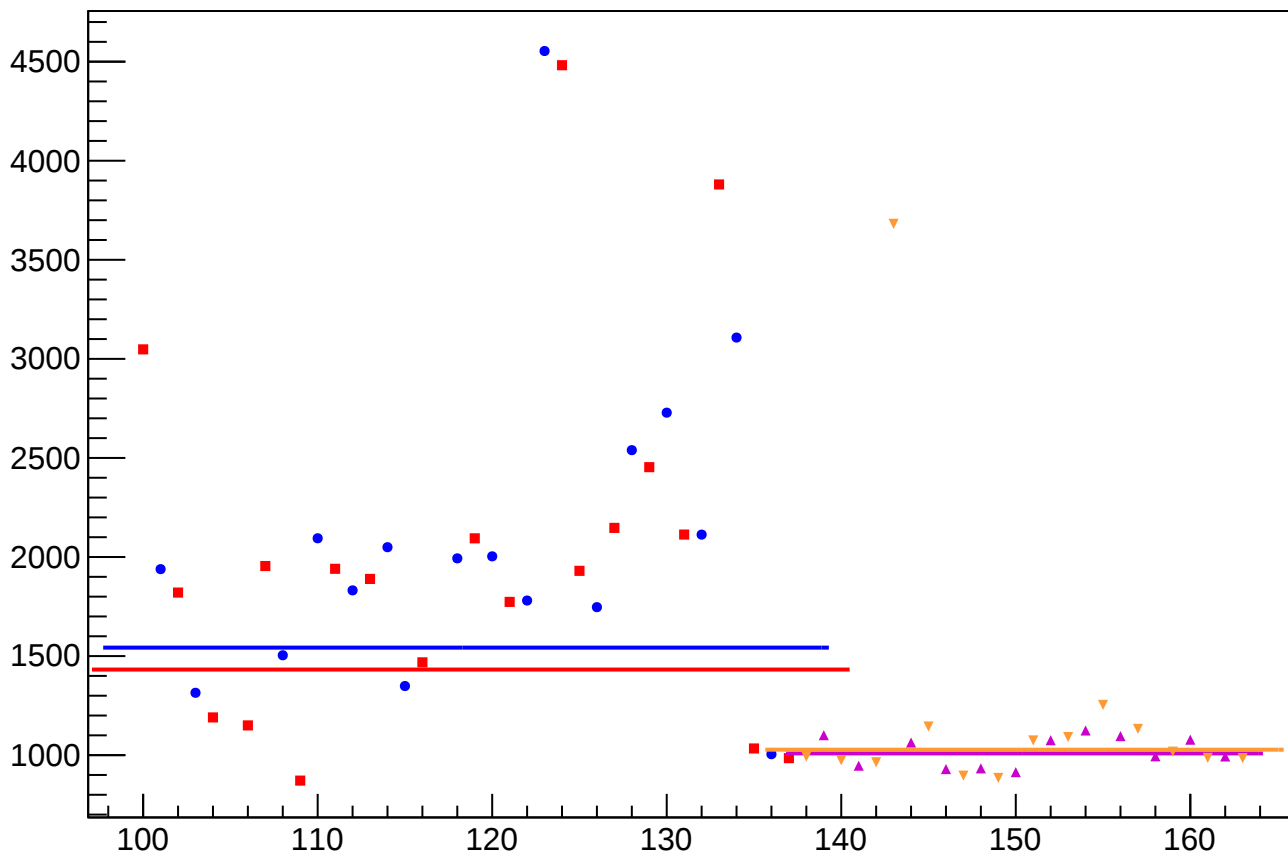
Right: -124.875 $\pm$ 431.067 χ^2 /NDF: 41.7/35

In: -116.244 $\pm$ 288.584 χ^2 /NDF:30.9/28

Out: 845.080 $\pm$ 283.510 χ^2 /NDF:58.4/32

All: 372.943 $\pm$ 202.242 χ^2 /NDF: 95.0/61

asym_at2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1542.705 $\pm$ 0.447 χ^2 /NDF: 1287946.3/16

Left Out: 1027.622 $\pm$ 0.229 χ^2 /NDF: 867144.9/13

Right Out: 1432.013 $\pm$ 0.417 χ^2 /NDF: 1823809.4/18

Left In: 1008.881 $\pm$ 0.229 χ^2 /NDF: 103792.3/11

Left: 1018.283 $\pm$ 0.162 χ^2 /NDF: 974285.6/25

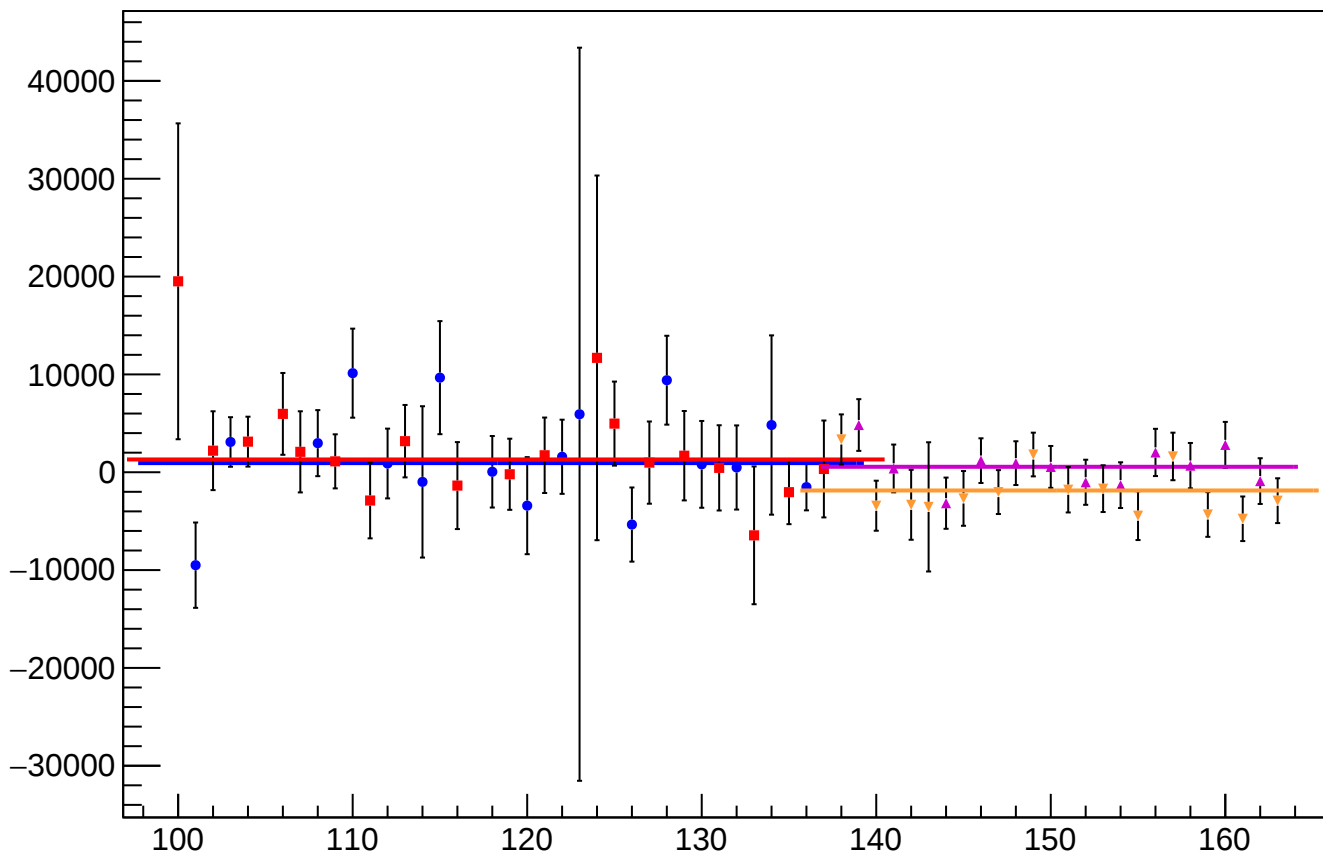
Right: 1483.562 $\pm$ 0.305 χ^2 /NDF: 3144570.0/35

In: 1120.298 $\pm$ 0.204 χ^2 /NDF: 2521978.1/28

Out: 1121.084 $\pm$ 0.200 χ^2 /NDF: 3414041.6/32

All: 1120.698 $\pm$ 0.143 χ^2 /NDF: 5936027.2/61

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 932.818 ± 967.941 χ^2/NDF : 21.6/16

Left Out: -1863.443 ± 674.296 χ^2/NDF : 13.7/13

Right Out: 1307.802 ± 925.415 χ^2/NDF : 8.5/18

Left In: 557.406 ± 680.497 χ^2/NDF : 7.5/11

Left: -664.099 ± 478.976 χ^2/NDF : 27.6/25

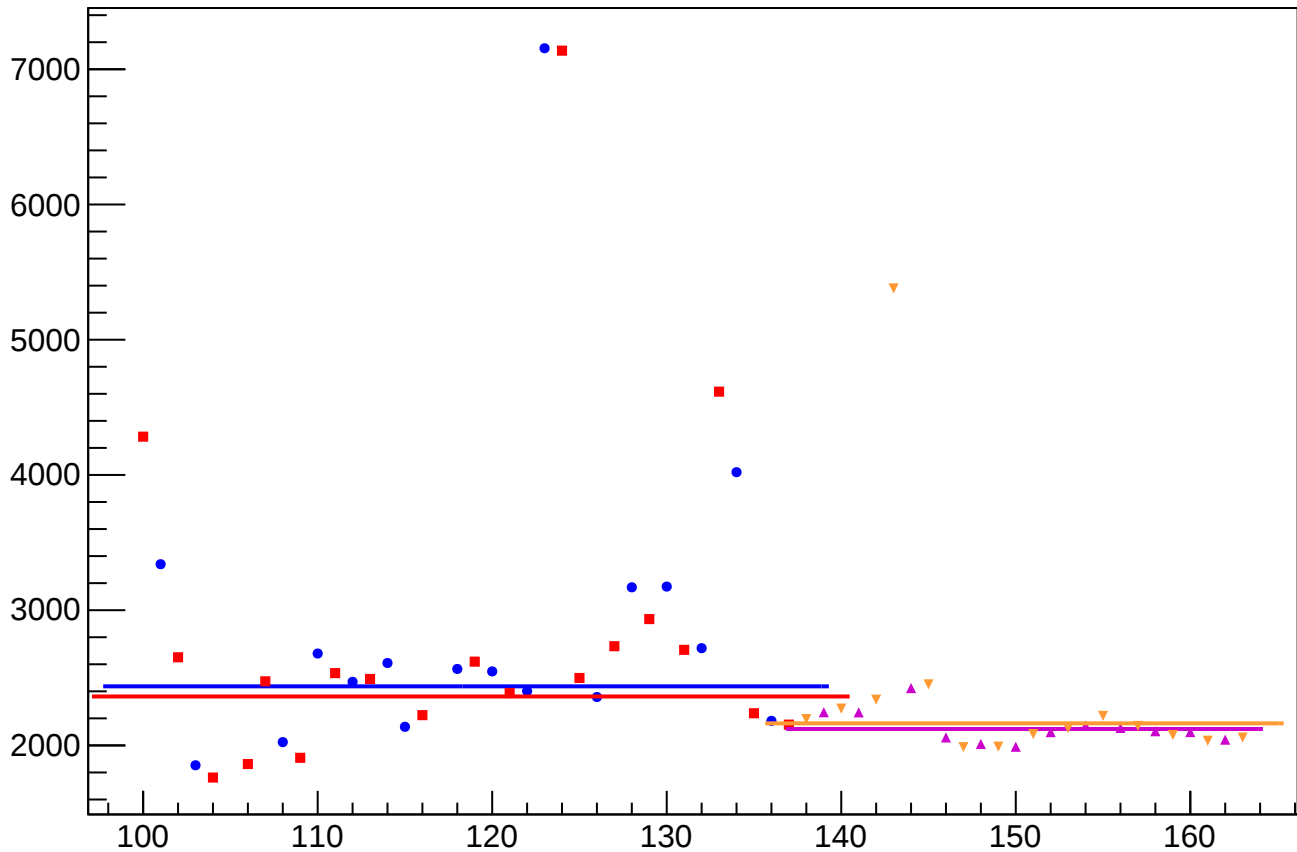
Right: 1128.728 ± 668.896 χ^2/NDF : 30.2/35

In: 681.581 ± 556.689 χ^2/NDF : 29.2/28

Out: -763.665 ± 544.972 χ^2/NDF : 29.8/32

All: -56.411 ± 389.430 χ^2/NDF : 62.5/61

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2436.855+/-0.684 χ^2/NDF : 469030.2/16

Left Out: 2163.173+/-0.477 χ^2/NDF : 545894.4/13

Right Out: 2361.880+/-0.654 χ^2/NDF : 655847.5/18

Left In: 2121.452+/-0.481 χ^2/NDF : 53179.9/11

Left: 2142.503+/-0.339 χ^2/NDF : 602867.6/25

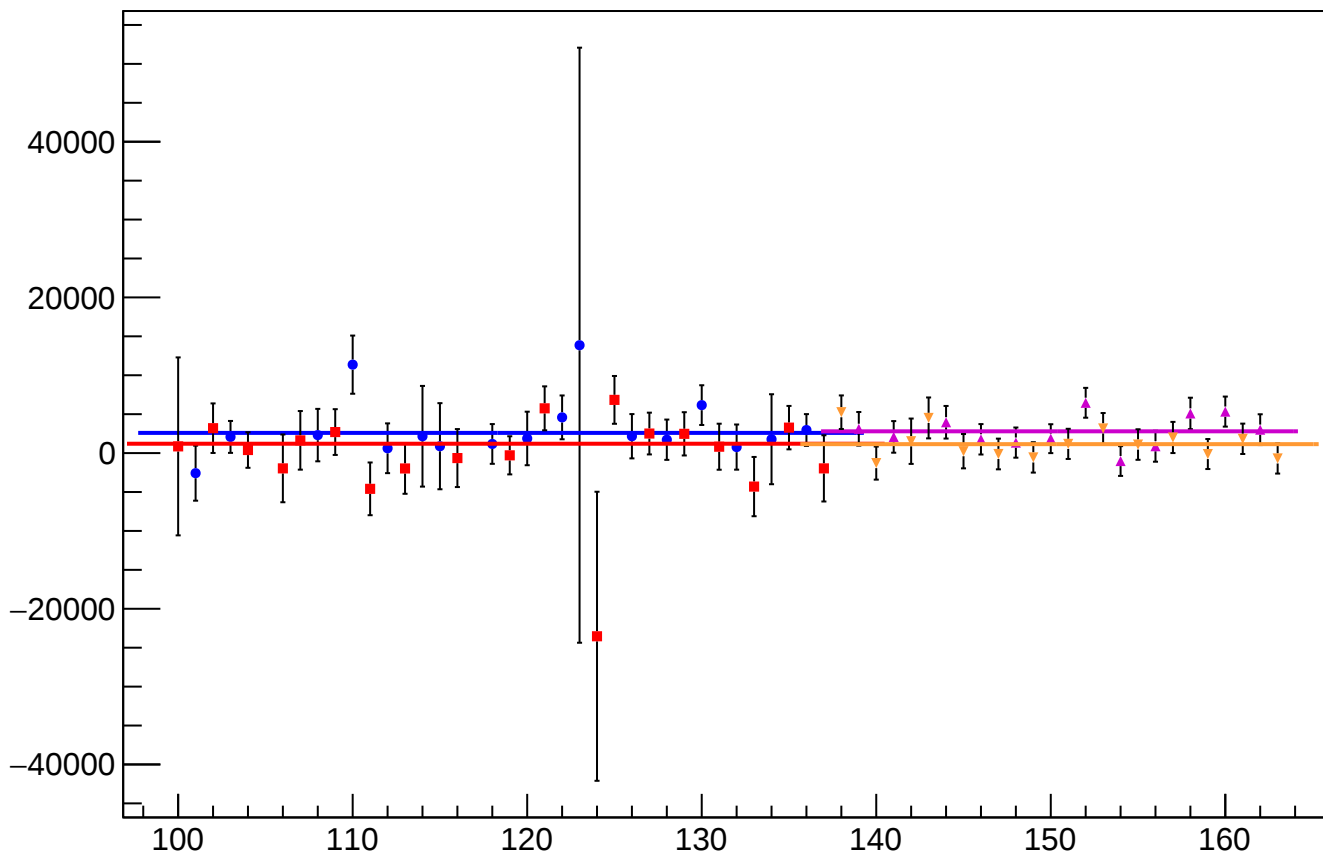
Right: 2397.684+/-0.473 χ^2/NDF : 1131146.9/35

In: 2225.779+/-0.394 χ^2/NDF : 664325.2/28

Out: 2232.084+/-0.385 χ^2/NDF : 1261975.0/32

All: 2228.998+/-0.275 χ^2/NDF : 1926431.2/63

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2594.684+/-743.000 χ^2/NDF : 11.7/16

Left Out: 1148.769+/-554.529 χ^2/NDF :10.6/13

Right Out: 1202.548+/-739.618 χ^2/NDF : 17.2/18

Left In: 2797.365+/-570.648 χ^2/NDF :13.1/11

Left: 1949.455+/-397.687 χ^2/NDF : 28.0/25

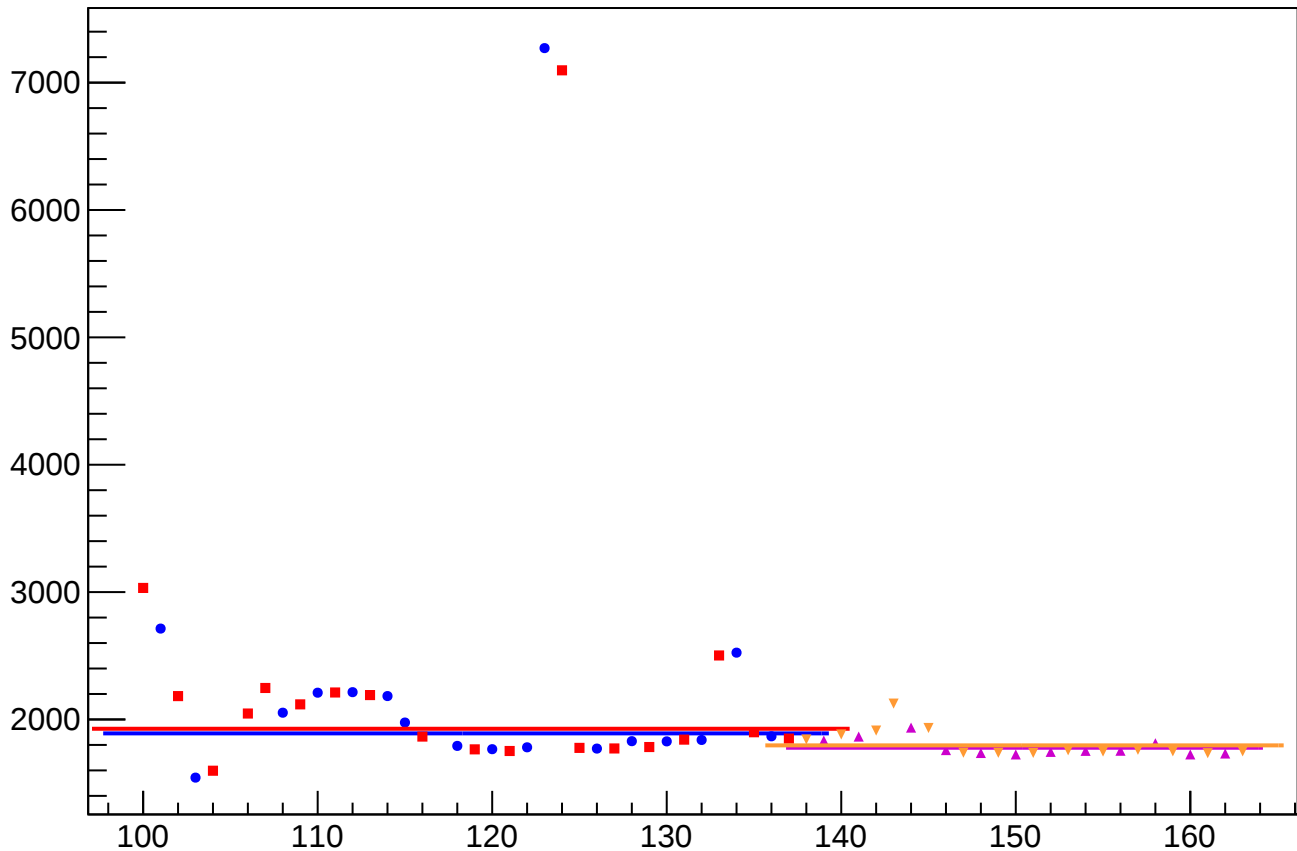
Right: 1895.439+/-524.180 χ^2/NDF : 30.7/35

In: 2722.166+/-452.571 χ^2/NDF :24.9/28

Out: 1168.121+/-443.676 χ^2/NDF :27.8/32

All: 1929.722+/-316.824 χ^2/NDF : 58.7/61

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1890.721+/-0.525 χ^2/NDF : 288944.9/16

Left Out: 1796.535+/-0.392 χ^2/NDF : 58547.2/13

Right Out: 1926.949+/-0.522 χ^2/NDF : 362254.5/18

Left In: 1778.020+/-0.404 χ^2/NDF : 23484.0/11

Left: 1787.543+/-0.281 χ^2/NDF : 83114.2/25

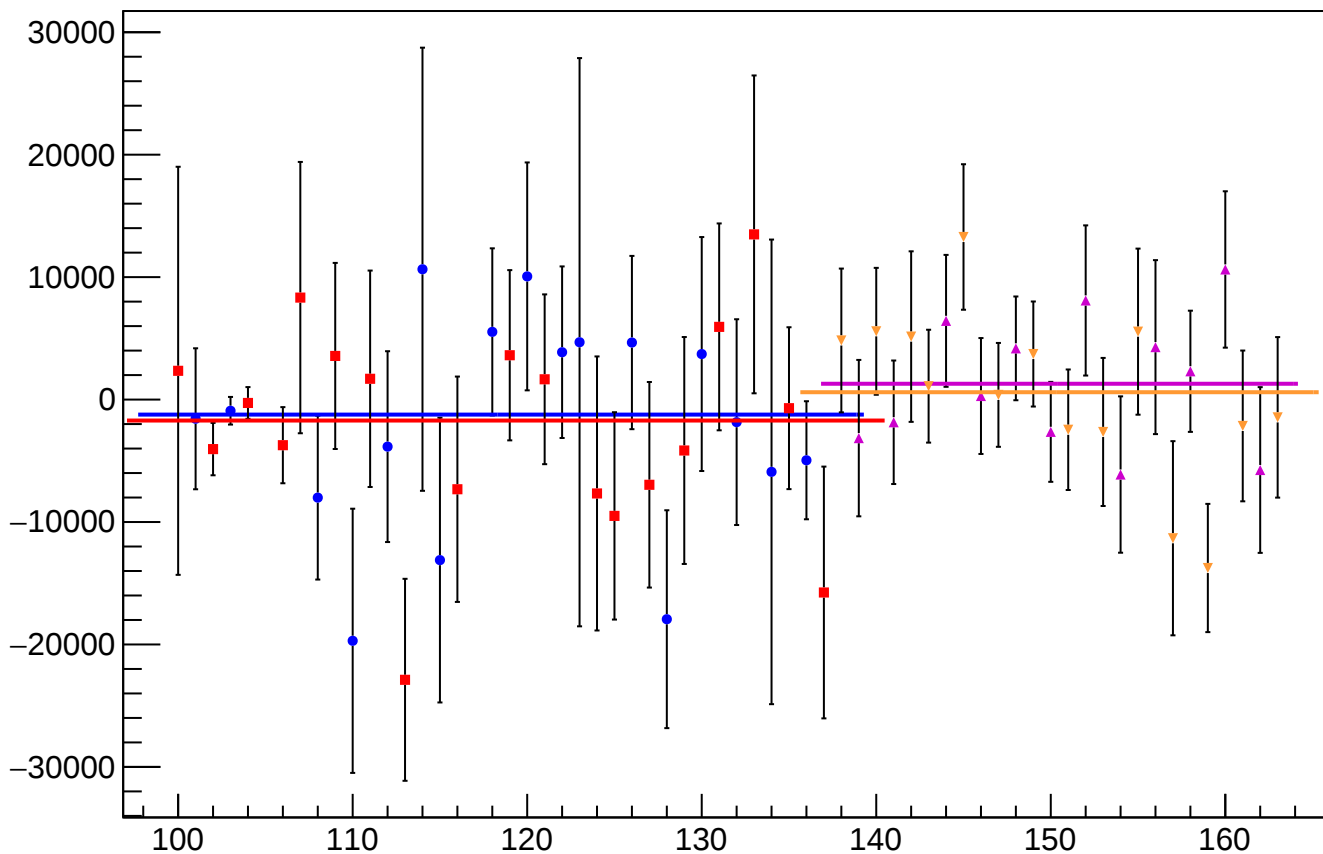
Right: 1908.946+/-0.370 χ^2/NDF : 653591.4/35

In: 1819.834+/-0.320 χ^2/NDF : 341372.3/28

Out: 1843.559+/-0.314 χ^2/NDF : 460687.6/32

All: 1831.939+/-0.224 χ^2/NDF : 804864.1/61

asym_atl1r2_avg_correction_mean vs Slug, Sign Corrected



Right In: -1226.915 $\pm$ 984.603 χ^2 /NDF: 13.8/16

Left Out: 601.122 $\pm$ 1467.052 χ^2 /NDF:18.2/13

Right Out: -1711.747 $\pm$ 941.580 χ^2 /NDF: 17.8/18

Left In: 1291.880 $\pm$ 1548.896 χ^2 /NDF:9.2/11

Left: 927.770 $\pm$ 1065.121 χ^2 /NDF: 27.6/25

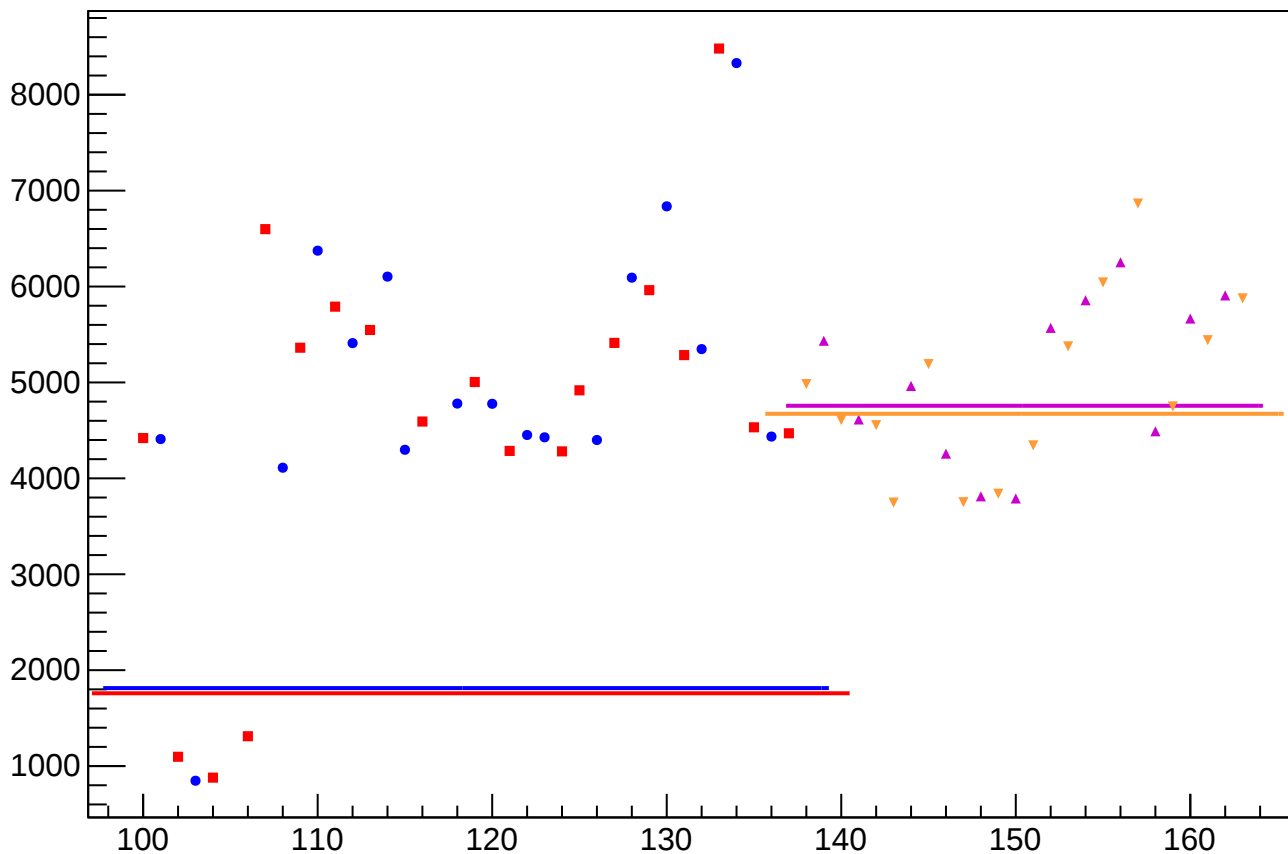
Right: -1480.155 $\pm$ 680.499 χ^2 /NDF: 31.8/35

In: -502.019 $\pm$ 830.929 χ^2 /NDF:24.9/28

Out: -1036.968 $\pm$ 792.411 χ^2 /NDF:37.8/32

All: -782.179 $\pm$ 573.453 χ^2 /NDF: 63.0/61

asym_atl1r2_avg_correction_rms vs Slug, Sign Corrected



Right In: 1813.195+/-0.696 χ^2/NDF : 6449038.4/16

Left Out: 4673.048+/-1.037 χ^2/NDF : 641702.4/13

Right Out: 1759.135+/-0.666 χ^2/NDF : 6313068.7/18

Left In: 4756.805+/-1.095 χ^2/NDF : 548213.0/11

Left: 4712.655+/-0.753 χ^2/NDF : 1192998.1/25

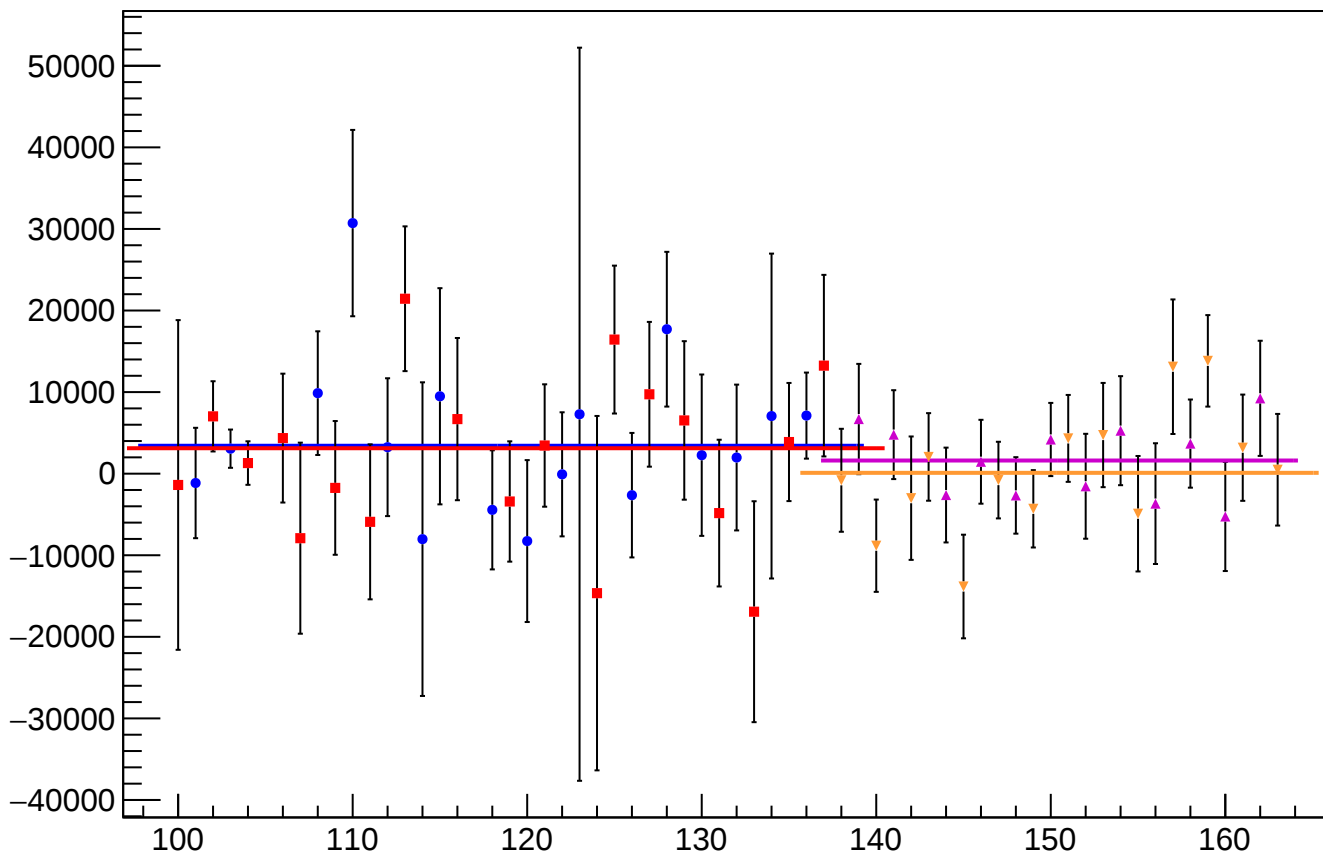
Right: 1784.958+/-0.481 χ^2/NDF : 12765256.3/35

In: 2660.350+/-0.588 χ^2/NDF : 12141842.6/28

Out: 2609.269+/-0.560 χ^2/NDF : 12543063.5/32

All: 2633.598+/-0.405 χ^2/NDF : 24688864.6/60

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3421.264+/-1606.678 χ^2/NDF : 13.7/16

Left Out: 102.336+/-1592.559 χ^2/NDF : 18.9/13

Right Out: 3117.857+/-1605.930 χ^2/NDF : 16.0/18

Left In: 1613.165+/-1667.264 χ^2/NDF : 6.0/11

Left: 823.145+/-1151.614 χ^2/NDF : 25.3/25

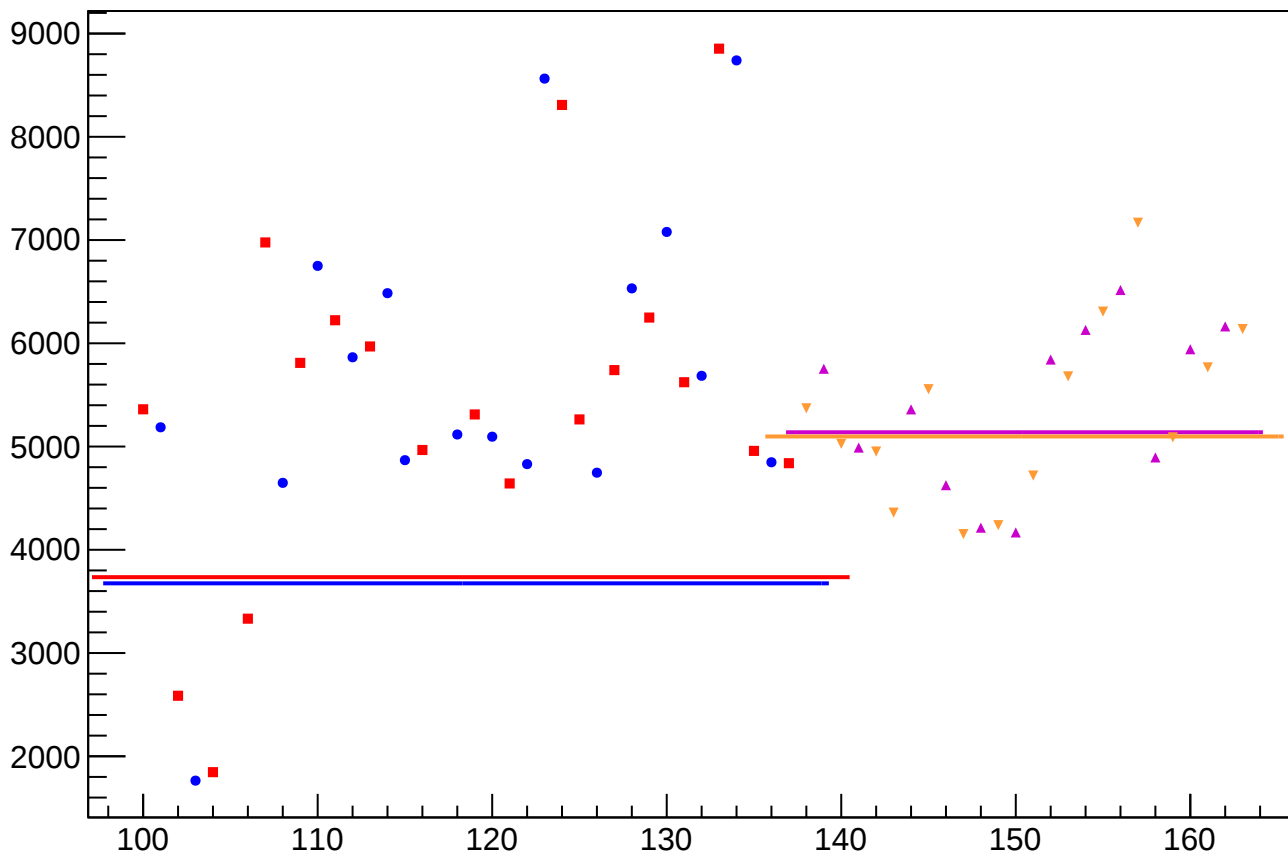
Right: 3269.490+/-1135.828 χ^2/NDF : 29.7/35

In: 2550.663+/-1156.919 χ^2/NDF : 20.3/28

Out: 1597.491+/-1130.807 χ^2/NDF : 36.7/32

All: 2063.199+/-808.675 χ^2/NDF : 57.3/61

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3675.003 $\pm$ 1.136 χ^2/NDF : 2775085.7/16

Left Out: 5097.473 $\pm$ 1.126 χ^2/NDF : 478234.8/13

Right Out: 3734.796 $\pm$ 1.128 χ^2/NDF : 2693929.0/18

Left In: 5138.259 $\pm$ 1.179 χ^2/NDF : 424643.4/11

Left: 5116.932 $\pm$ 0.814 χ^2/NDF : 903504.0/25

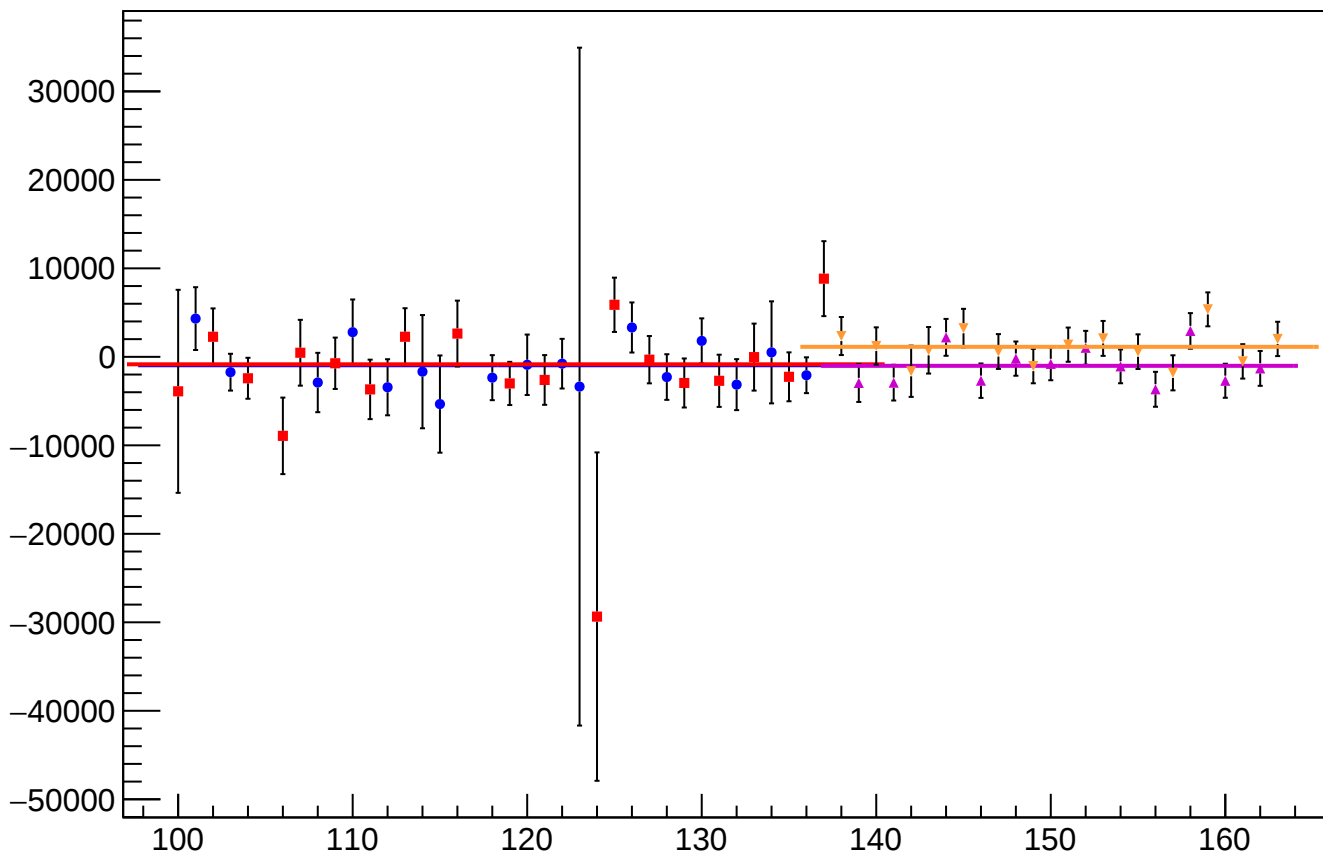
Right: 3705.112 $\pm$ 0.800 χ^2/NDF : 5470409.5/35

In: 4379.562 $\pm$ 0.818 χ^2/NDF : 3998478.0/28

Out: 4417.292 $\pm$ 0.797 χ^2/NDF : 3903062.2/32

All: 4398.920 $\pm$ 0.571 χ^2/NDF : 7902631.5/61

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -951.377+/-740.668 χ^2/NDF : 10.0/16

Left Out: 1131.753+/-552.183 χ^2/NDF : 11.8/13

Right Out: -843.515+/-737.527 χ^2/NDF : 22.5/18

Left In: -1014.762+/-568.350 χ^2/NDF : 12.6/11

Left: 89.459+/-396.045 χ^2/NDF : 31.8/25

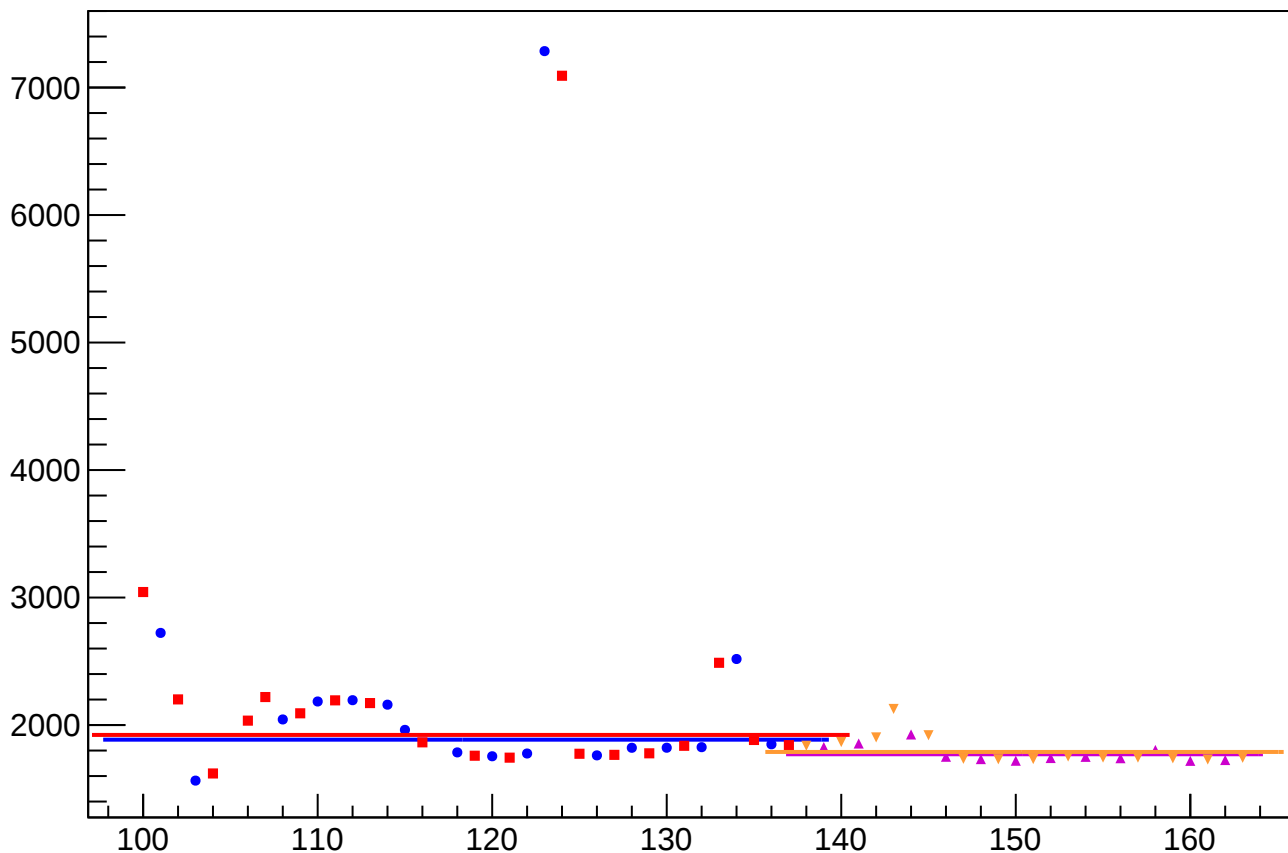
Right: -897.217+/-522.617 χ^2/NDF : 32.5/35

In: -991.271+/-450.898 χ^2/NDF : 22.6/28

Out: 422.240+/-442.023 χ^2/NDF : 39.0/32

All: -270.468+/-315.648 χ^2/NDF : 66.5/61

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



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

Left Out: 1788.980+/-0.390 χ^2/NDF : 58901.3/13

Right Out: 1922.538+/-0.521 χ^2/NDF : 351512.1/18

Left In: 1770.897+/-0.402 χ^2/NDF : 22704.6/11

Left: 1780.199+/-0.280 χ^2/NDF : 82647.6/25

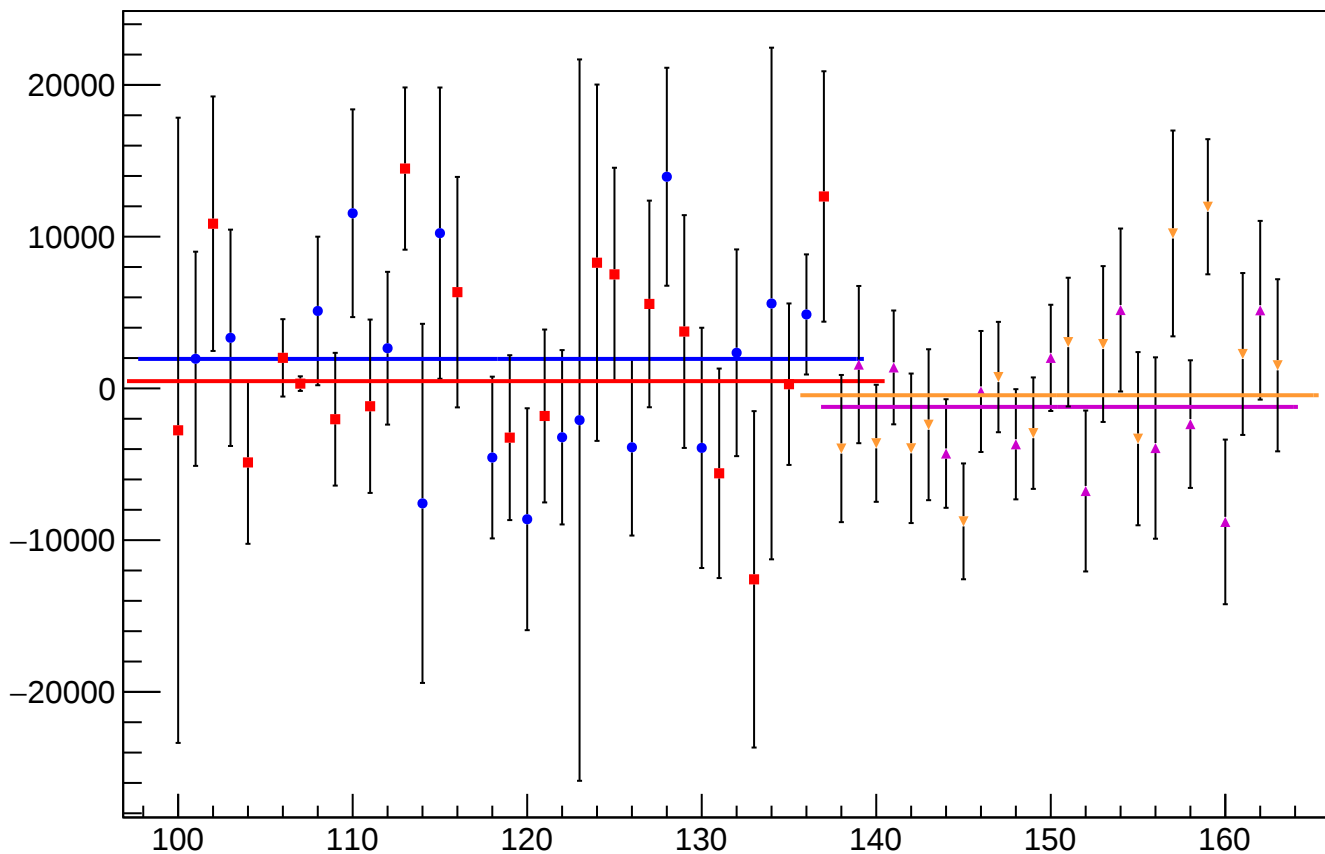
Right: 1904.057+/-0.369 χ^2/NDF : 634475.3/35

In: 1813.317+/-0.319 χ^2/NDF : 333197.3/28

Out: 1837.050+/-0.312 χ^2/NDF : 452525.4/32

All: 1825.426+/-0.223 χ^2/NDF : 788549.8/61

asym_atl1r2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1943.178 $\pm$ 1581.060 χ^2/NDF : 13.2/16

Left Out: -450.248 $\pm$ 1219.570 χ^2/NDF : 19.2/13

Right Out: 478.828 $\pm$ 453.684 χ^2/NDF : 18.1/18

Left In: -1218.722 $\pm$ 1265.532 χ^2/NDF : 8.8/11

Left: -820.277 $\pm$ 878.166 χ^2/NDF : 28.2/25

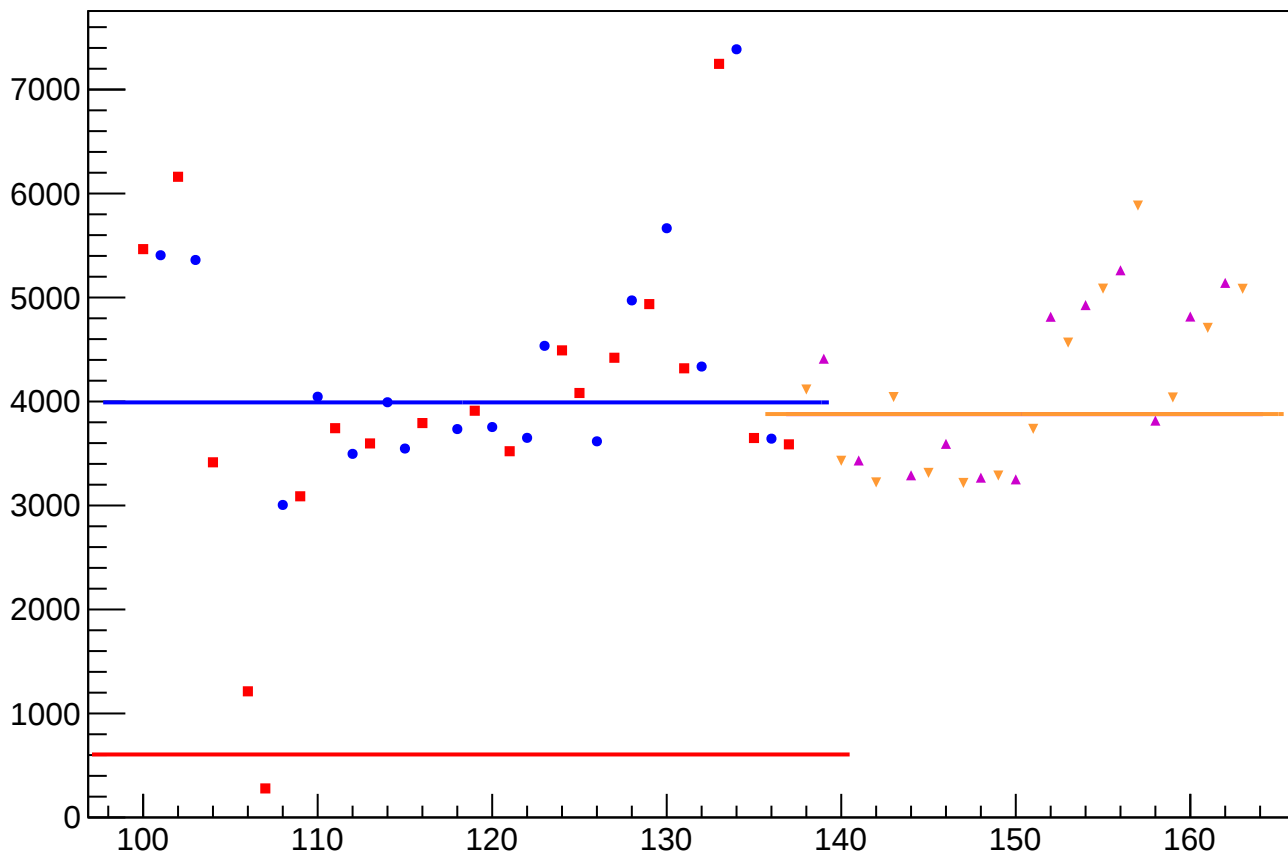
Right: 590.230 $\pm$ 436.086 χ^2/NDF : 32.0/35

In: 16.003 $\pm$ 988.006 χ^2/NDF : 24.4/28

Out: 365.886 $\pm$ 425.215 χ^2/NDF : 37.7/32

All: 311.207 $\pm$ 390.579 χ^2/NDF : 62.3/61

asym_atl1r2_dd_correction_rms vs Slug, Sign Corrected



Right In: 3991.416+/-1.118 χ^2/NDF : 510782.7/16

Left Out: 3879.320+/-0.862 χ^2/NDF : 675034.8/13

Right Out: 605.731+/-0.321 χ^2/NDF : 10246585.0/18

Left In: 3878.502+/-0.895 χ^2/NDF : 632465.3/11

Left: 3878.926+/-0.621 χ^2/NDF : 1307500.5/25

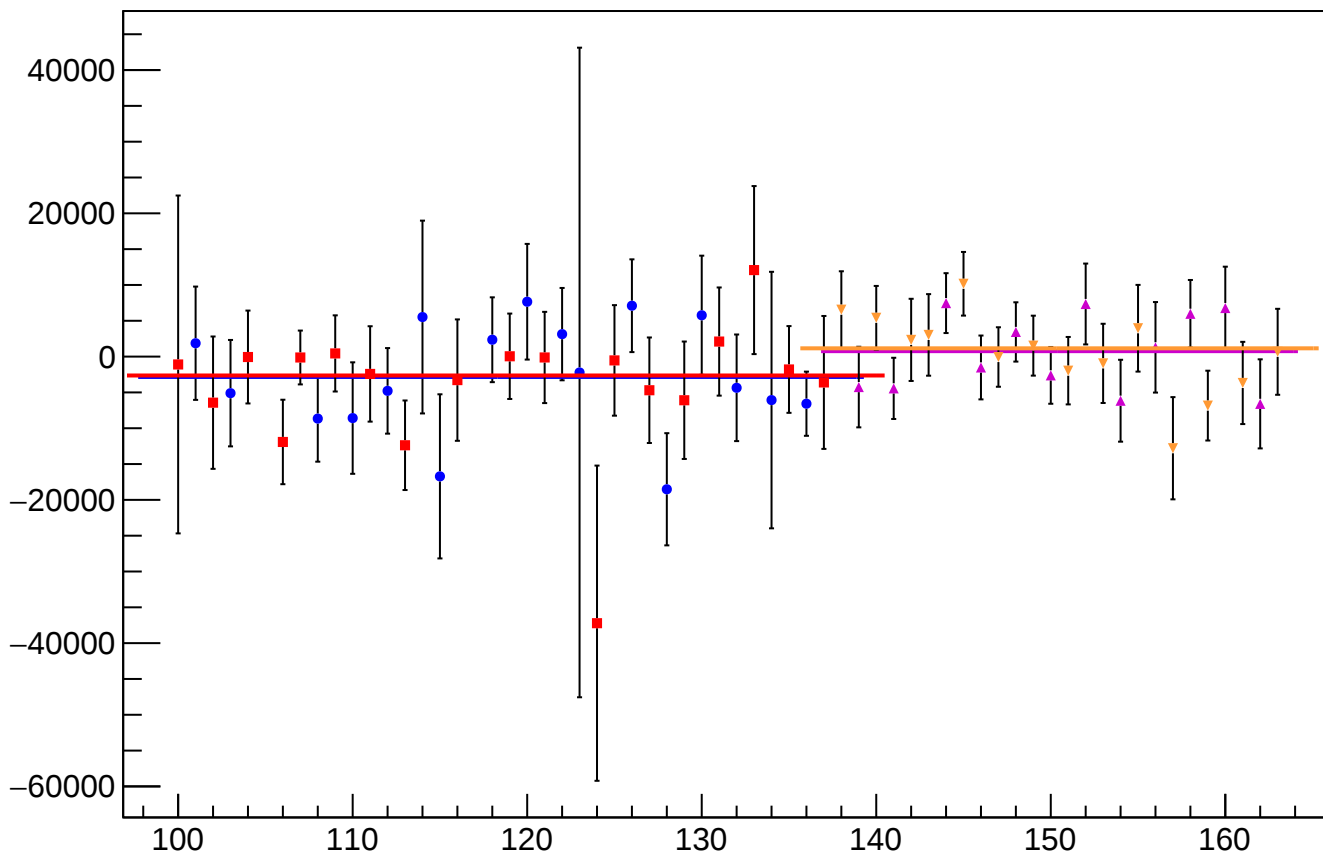
Right: 863.300+/-0.308 χ^2/NDF : 19230863.1/35

In: 3922.595+/-0.699 χ^2/NDF : 1149465.4/28

Out: 1003.681+/-0.301 χ^2/NDF : 23579903.6/32

All: 1459.843+/-0.276 χ^2/NDF : 39457676.9/6

asym_atl1r2_dd_mean vs Slug, Sign Corrected



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

Left Out: 1155.281 ± 1364.141 $\chi^2/\text{NDF}: 14.3/13$

Right Out: -2637.071 ± 1575.105 $\chi^2/\text{NDF}: 11.2/18$

Left In: 760.362 ± 1408.747 $\chi^2/\text{NDF}: 12.8/11$

Left: 964.173 ± 979.984 $\chi^2/\text{NDF}: 27.2/25$

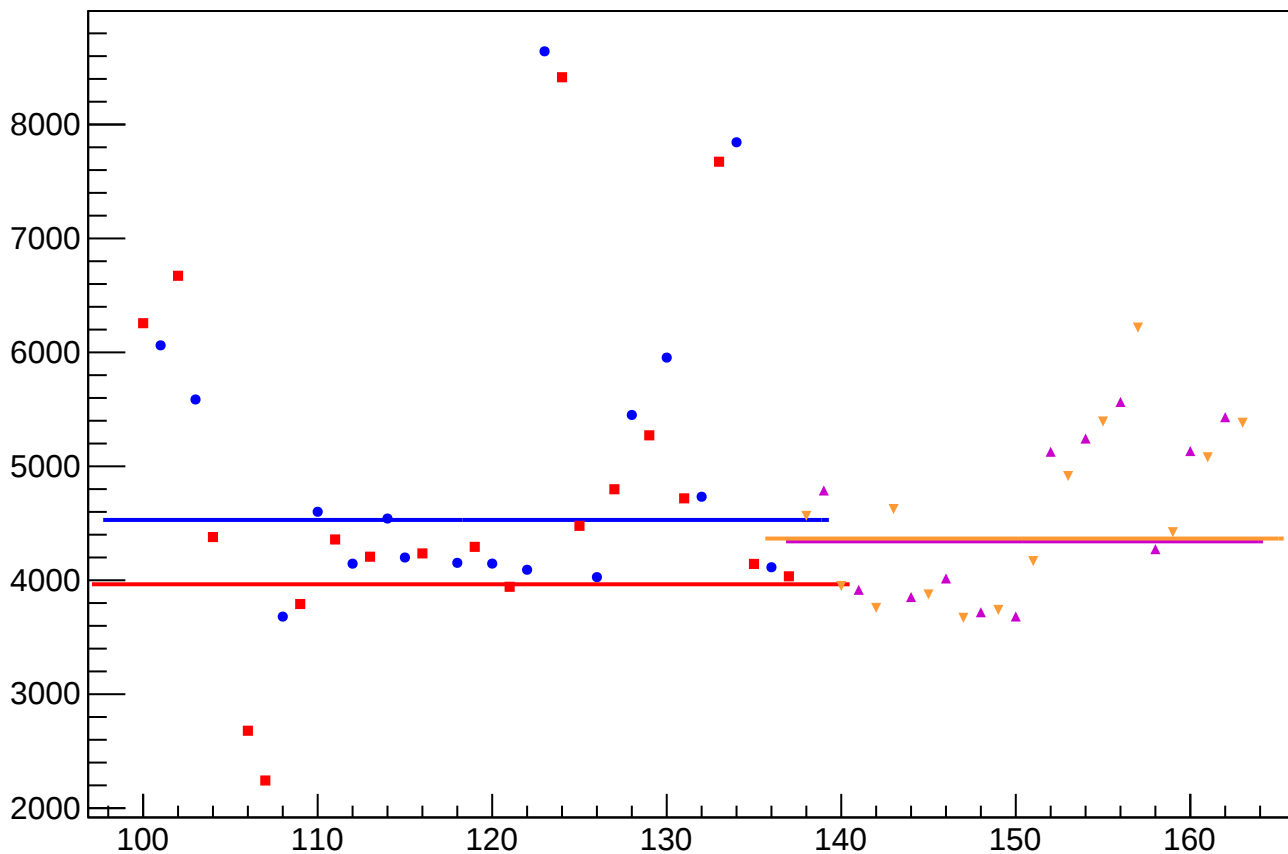
Right: -2725.676 ± 1181.334 $\chi^2/\text{NDF}: 26.6/35$

In: -620.344 ± 1106.083 $\chi^2/\text{NDF}: 30.7/28$

Out: -470.095 ± 1031.174 $\chi^2/\text{NDF}: 28.8/32$

All: -539.960 ± 754.243 $\chi^2/\text{NDF}: 59.5/61$

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4529.462 $\pm$ 1.263 χ^2 /NDF: 389326.2/16

Left Out: 4366.124 $\pm$ 0.965 χ^2 /NDF: 476256.5/13

Right Out: 3964.829 $\pm$ 1.107 χ^2 /NDF: 1140409.6/18

Left In: 4341.510 $\pm$ 0.996 χ^2 /NDF: 434195.2/11

Left: 4354.213 $\pm$ 0.693 χ^2 /NDF: 910766.8/25

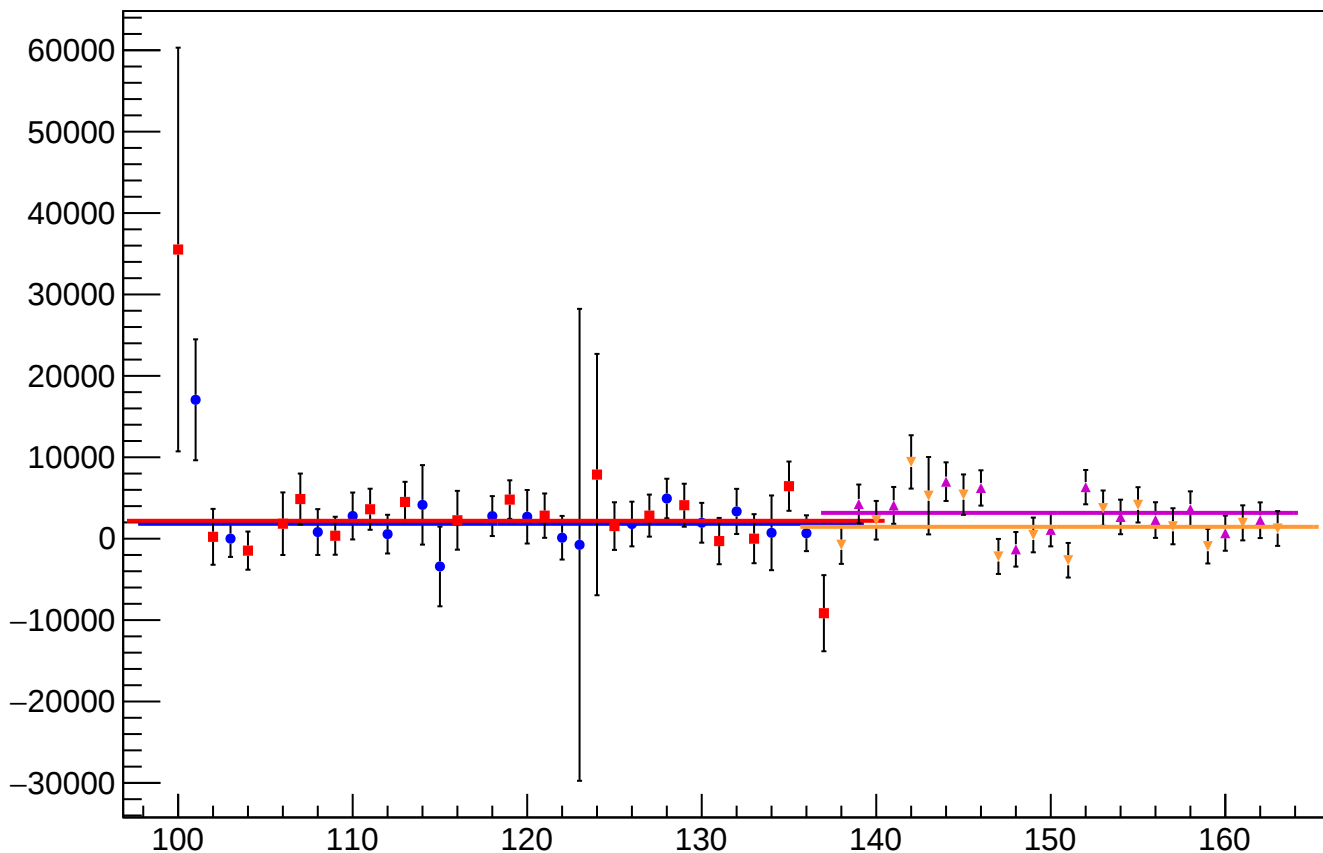
Right: 4210.073 $\pm$ 0.832 χ^2 /NDF: 1642804.6/35

In: 4413.596 $\pm$ 0.782 χ^2 /NDF: 837175.3/28

Out: 4192.870 $\pm$ 0.727 χ^2 /NDF: 1691389.4/32

All: 4295.204 $\pm$ 0.533 χ^2 /NDF: 2571284.7/63

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1830.102+/-711.335 χ^2/NDF : 9.7/16

Left Out: 1456.198+/-619.988 χ^2/NDF :20.9/13

Right Out: 2198.063+/-684.205 χ^2/NDF : 18.3/18

Left In: 3170.934+/-630.719 χ^2/NDF :14.5/11

Left: 2298.855+/-442.143 χ^2/NDF : 39.1/25

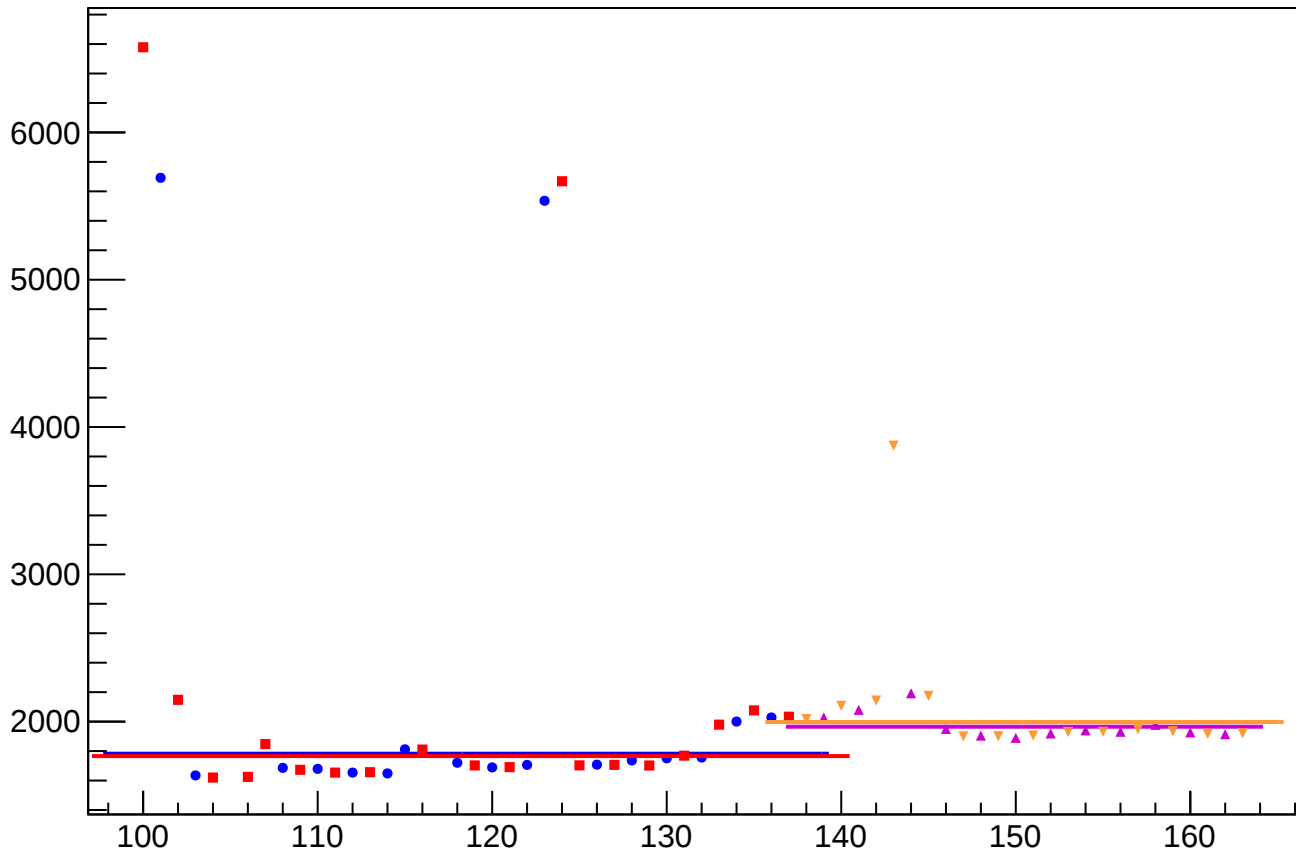
Right: 2021.233+/-493.118 χ^2/NDF : 28.2/35

In: 2580.771+/-471.925 χ^2/NDF :26.1/28

Out: 1790.690+/-459.427 χ^2/NDF :39.9/32

All: 2175.131+/-329.194 χ^2/NDF : 67.5/61

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1782.137+/-0.503 χ^2/NDF : 645188.8/16

Left Out: 1997.157+/-0.438 χ^2/NDF : 354002.5/13

Right Out: 1765.967+/-0.480 χ^2/NDF : 306798.2/18

Left In: 1965.371+/-0.446 χ^2/NDF : 32800.3/11

Left: 1981.537+/-0.313 χ^2/NDF : 389386.1/25

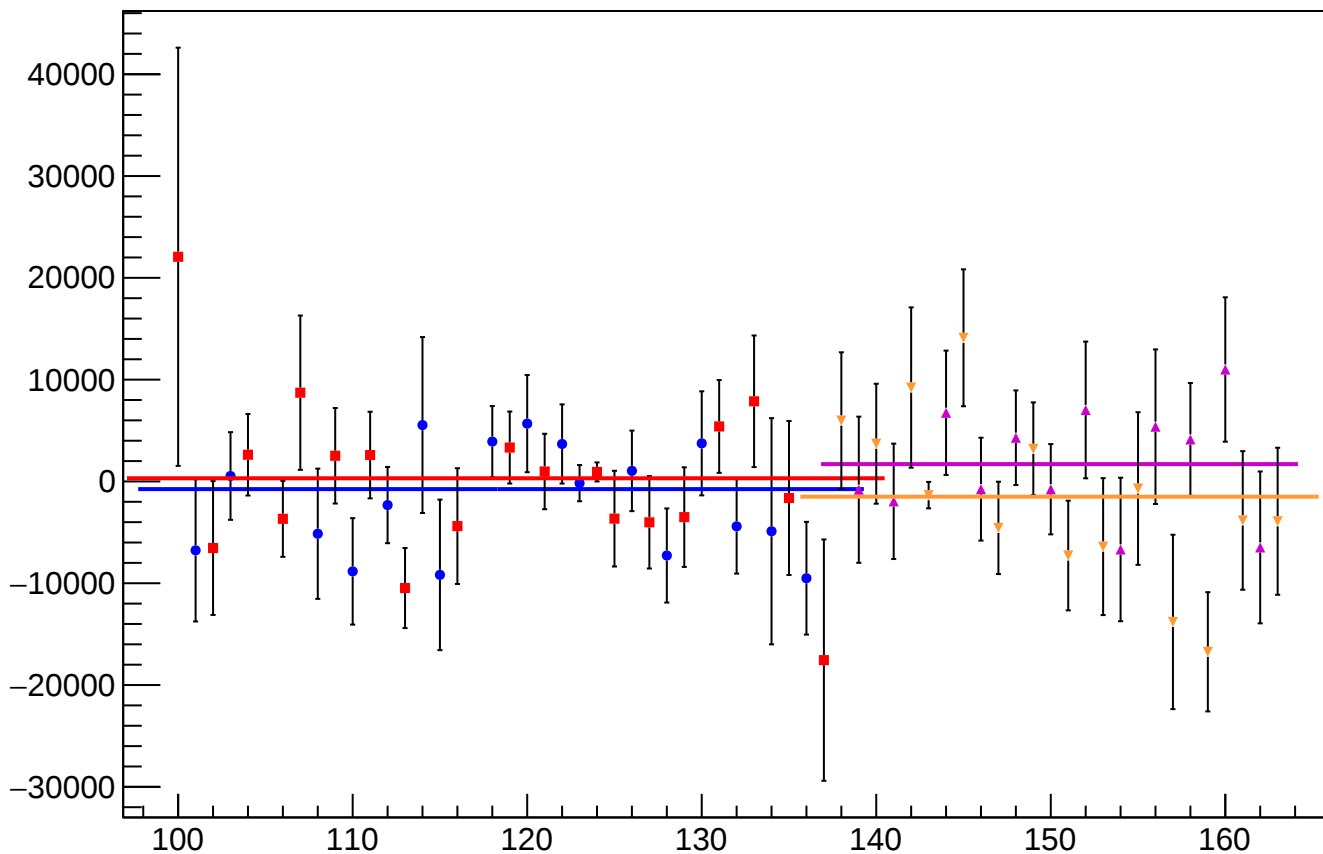
Right: 1773.682+/-0.347 χ^2/NDF : 952527.4/35

In: 1884.721+/-0.334 χ^2/NDF : 752285.7/28

Out: 1892.131+/-0.324 χ^2/NDF : 787137.3/32

All: 1888.537+/-0.232 χ^2/NDF : 1539676.9/63

asym_atr1l2_avg_correction_mean vs Slug, Sign Corrected



Right In: -753.428 ± 1008.523 $\chi^2/\text{NDF}: 16.9/16$

Left Out: -1496.662 ± 1033.321 $\chi^2/\text{NDF}: 21.6/13$

Right Out: 311.405 ± 725.132 $\chi^2/\text{NDF}: 22.0/18$

Left In: 1703.082 ± 1705.600 $\chi^2/\text{NDF}: 7.5/11$

Left: -637.550 ± 883.780 $\chi^2/\text{NDF}: 31.6/25$

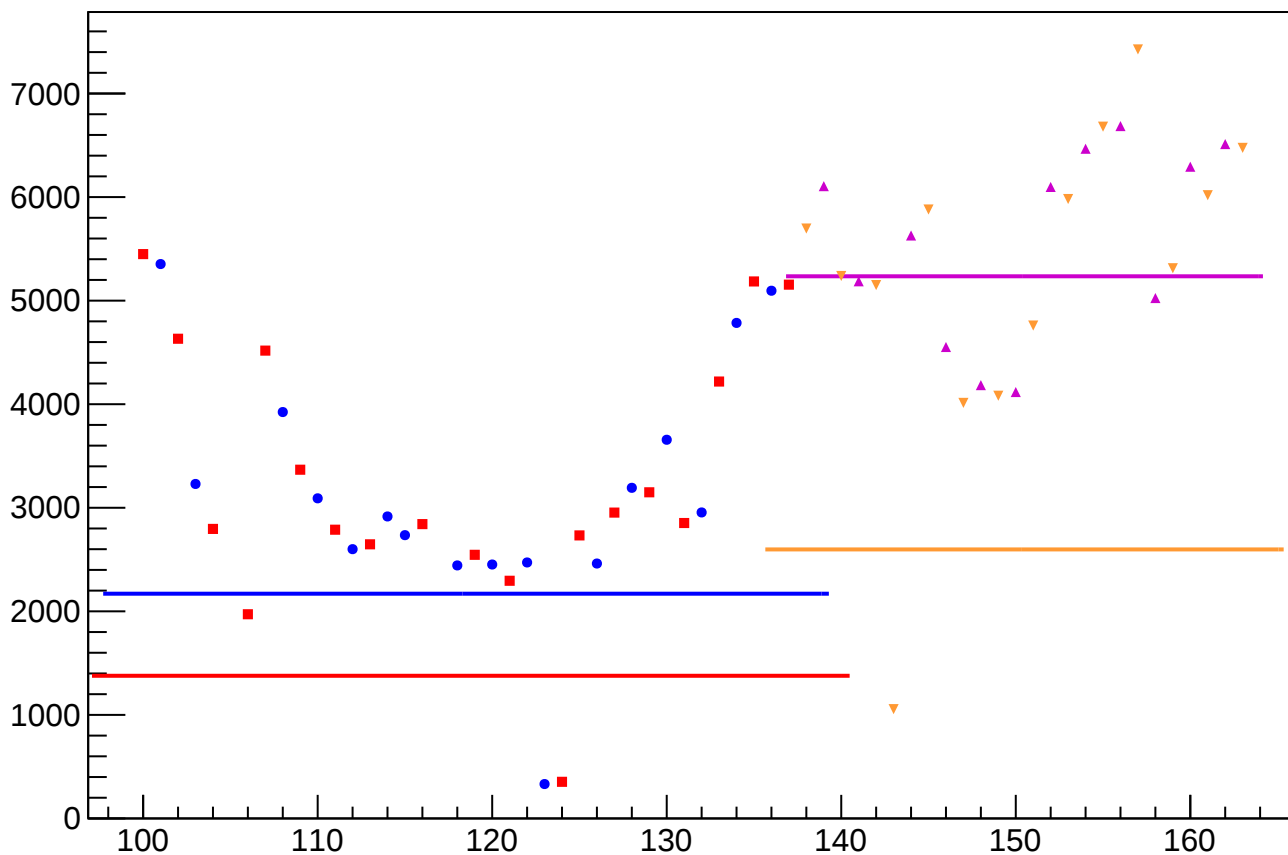
Right: -51.479 ± 588.747 $\chi^2/\text{NDF}: 39.7/35$

In: -117.044 ± 868.115 $\chi^2/\text{NDF}: 25.9/28$

Out: -285.187 ± 593.563 $\chi^2/\text{NDF}: 45.6/32$

All: -231.622 ± 489.980 $\chi^2/\text{NDF}: 71.6/61$

asym_atr1l2_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 2597.764 $\pm$ 0.731 χ^2 /NDF: 8309516.4/13

Right Out: 1377.716 $\pm$ 0.513 χ^2 /NDF: 6847297.6/18

Left In: 5235.185 $\pm$ 1.206 χ^2 /NDF: 576732.3/11

Left: 3305.895 $\pm$ 0.625 χ^2 /NDF: 12384514.7/25

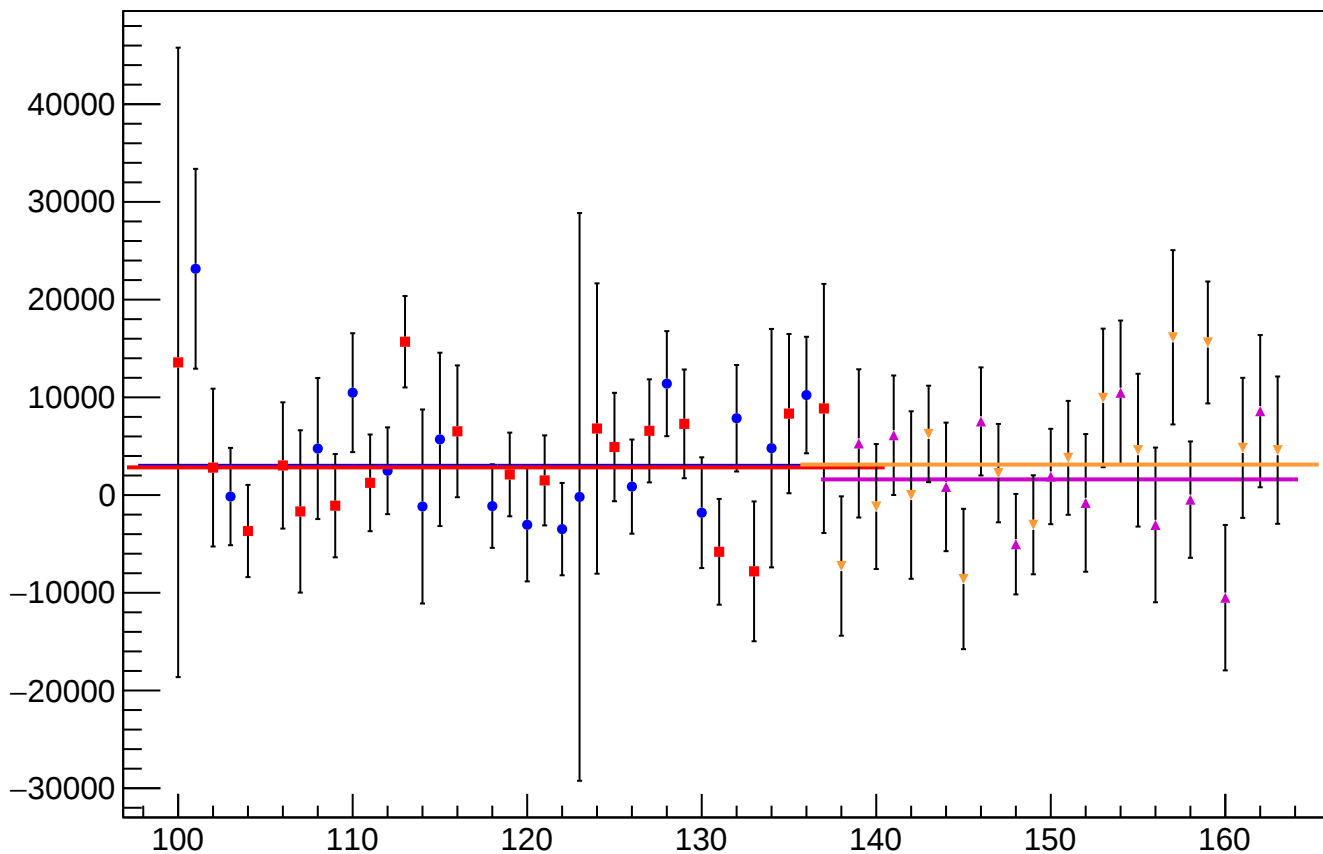
Right: 1647.801 $\pm$ 0.416 χ^2 /NDF: 11635181.2/35

In: 2964.246 $\pm$ 0.614 χ^2 /NDF: 9335696.9/28

Out: 1780.285 $\pm$ 0.420 χ^2 /NDF: 17024966.9/32

All: 2157.457 $\pm$ 0.346 χ^2 /NDF: 28895635.3/6

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2992.806 $\pm$ 1447.211 χ^2 /NDF: 15.7/16

Left Out: 3120.053 $\pm$ 1721.031 χ^2 /NDF:14.5/13

Right Out: 2833.408 $\pm$ 1379.110 χ^2 /NDF: 17.7/18

Left In: 1605.611 $\pm$ 1835.262 χ^2 /NDF:9.1/11

Left: 2411.427 $\pm$ 1255.395 χ^2 /NDF: 23.9/25

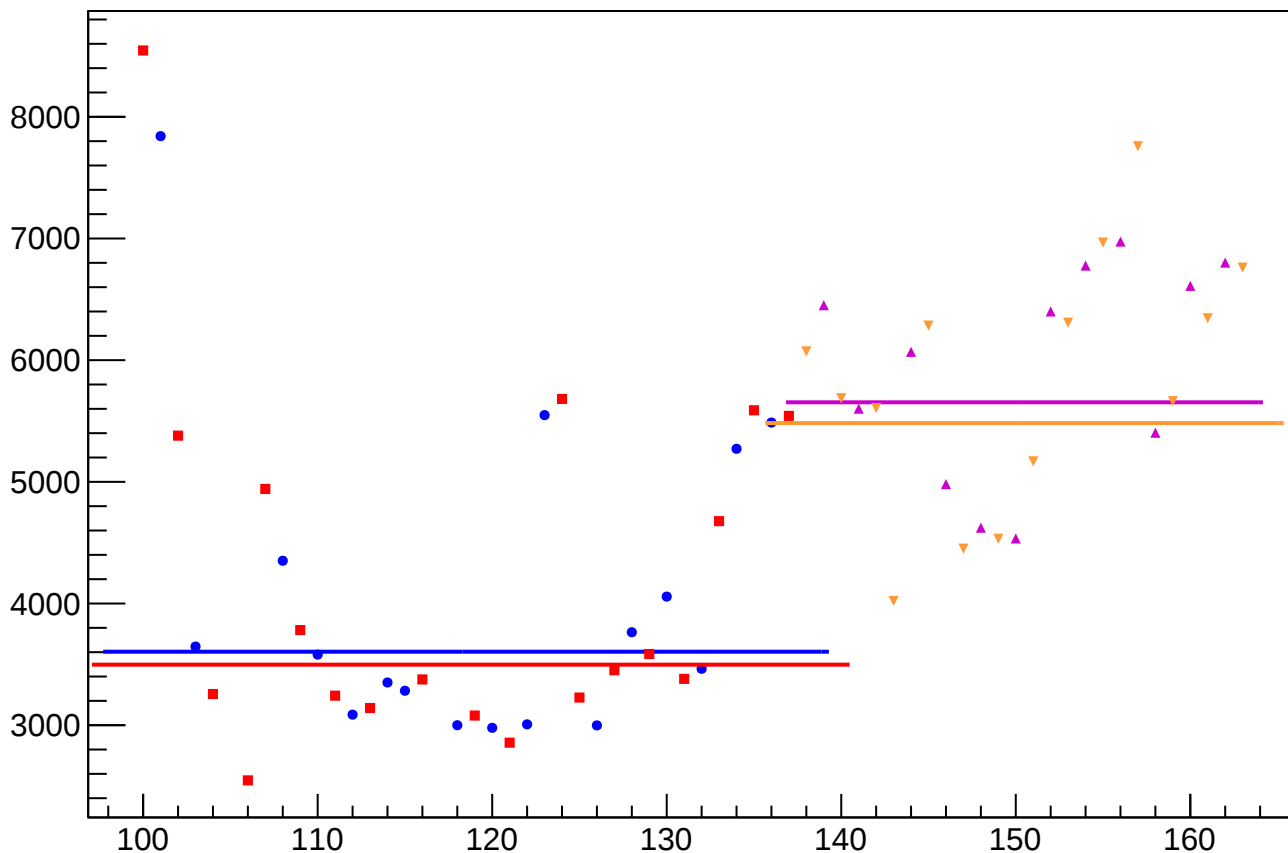
Right: 2909.269 $\pm$ 998.385 χ^2 /NDF: 33.4/35

In: 2460.941 $\pm$ 1136.396 χ^2 /NDF:25.1/28

Out: 2945.496 $\pm$ 1076.207 χ^2 /NDF:32.2/32

All: 2716.390 $\pm$ 781.405 χ^2 /NDF: 57.5/61

asym_atr1l2_avg_rms vs Slug, Sign Corrected



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

Left Out: 5482.941+/-1.217 χ^2/NDF : 694088.2/13

Right Out: 3497.586+/-0.962 χ^2/NDF : 661898.6/18

Left In: 5653.744+/-1.298 χ^2/NDF : 449767.4/11

Left: 5562.862+/-0.888 χ^2/NDF : 1153073.0/25

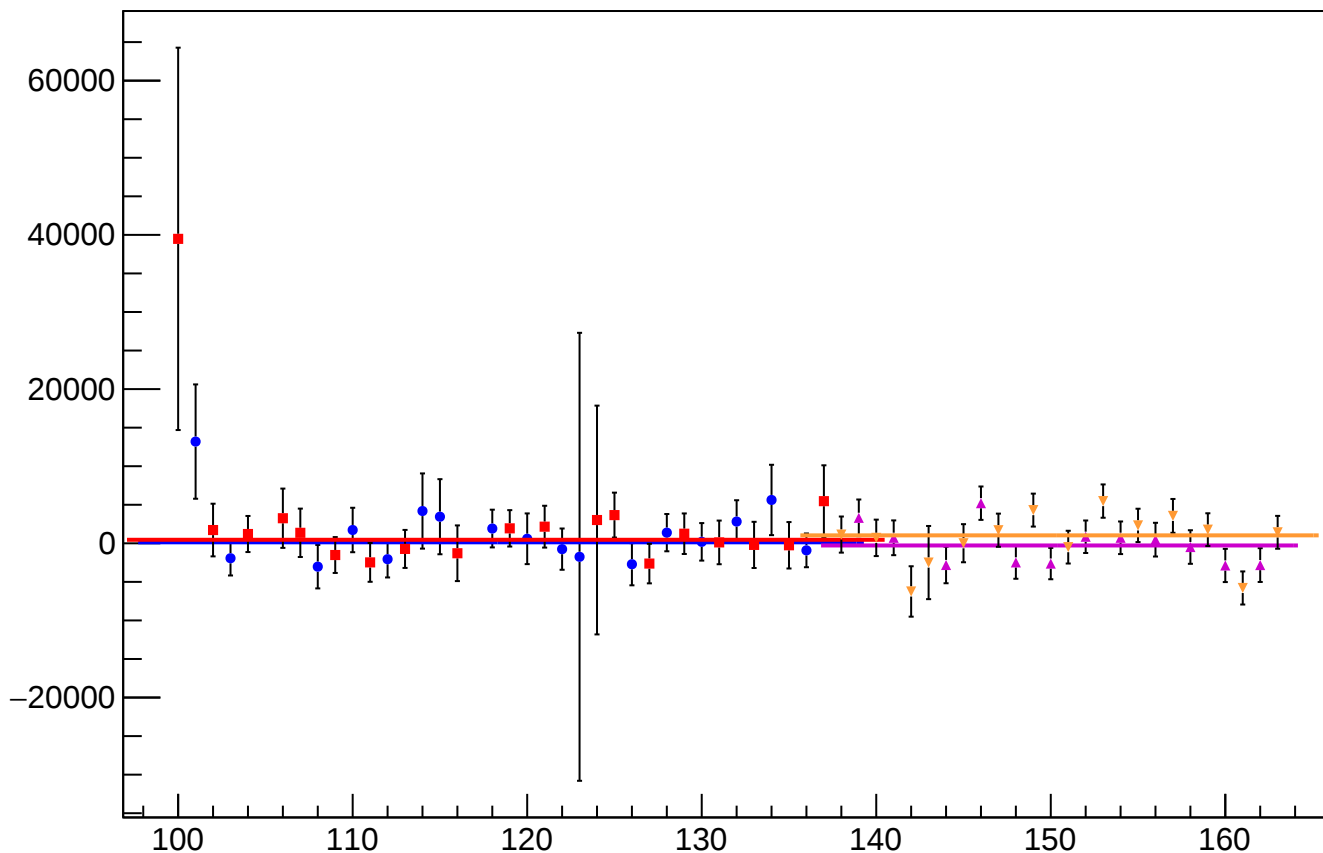
Right: 3547.455+/-0.701 χ^2/NDF : 1452308.2/35

In: 4389.844+/-0.804 χ^2/NDF : 2772814.1/28

Out: 4260.734+/-0.754 χ^2/NDF : 2994444.6/32

All: 4321.228+/-0.550 χ^2/NDF : 5780978.7/63

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 130.913 $\pm$ 709.207 χ^2 /NDF: 12.2/16

Left Out: 1033.364 $\pm$ 618.429 χ^2 /NDF:24.8/13

Right Out: 459.034 $\pm$ 681.841 χ^2 /NDF: 10.7/18

Left In: -278.042 $\pm$ 629.707 χ^2 /NDF:15.9/11

Left: 389.509 $\pm$ 441.229 χ^2 /NDF: 42.9/25

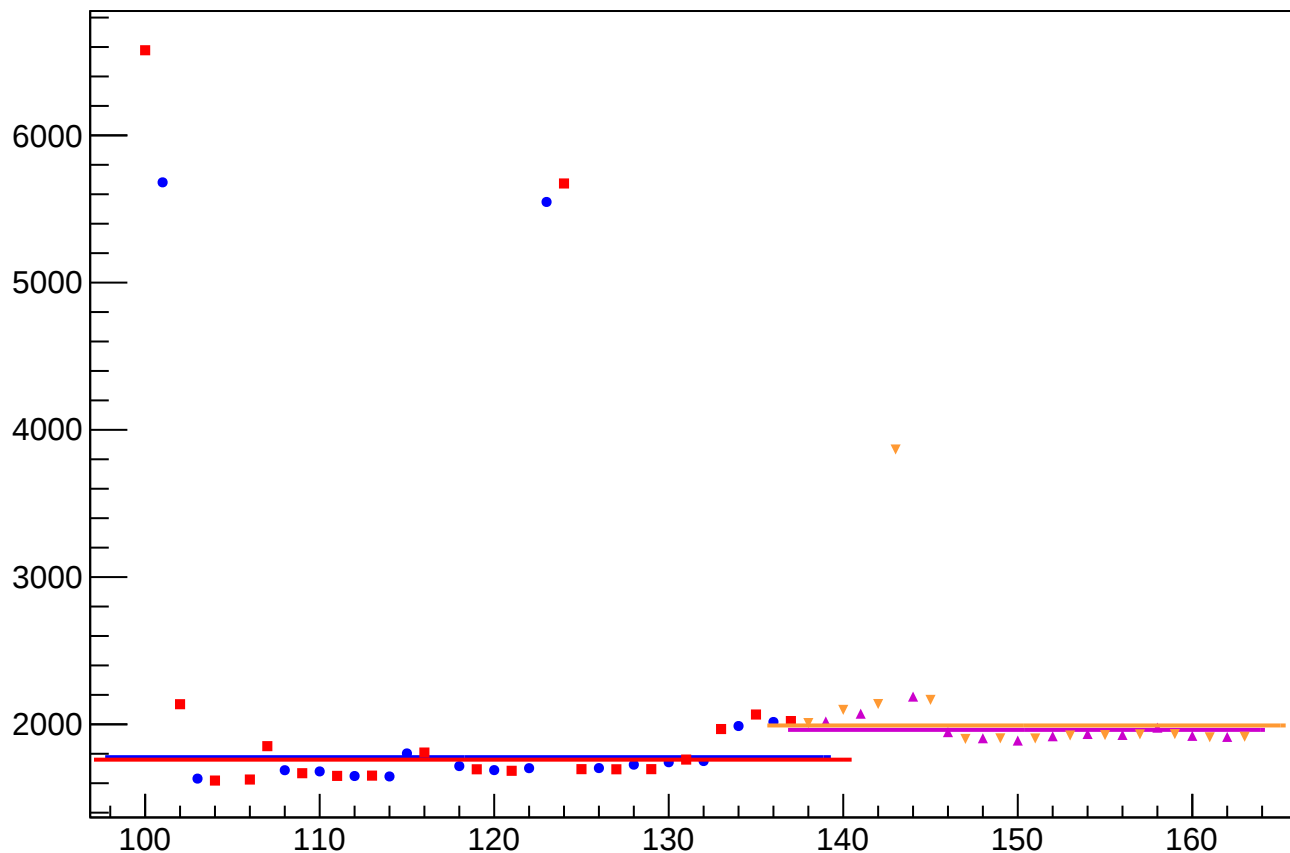
Right: 301.426 $\pm$ 491.524 χ^2 /NDF: 23.0/35

In: -97.761 $\pm$ 470.879 χ^2 /NDF:28.2/28

Out: 774.142 $\pm$ 458.077 χ^2 /NDF:35.9/32

All: 350.204 $\pm$ 328.342 χ^2 /NDF: 65.9/61

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1776.879 ± 0.501 χ^2/NDF : 643576.8/16

Left Out: 1992.276 ± 0.437 χ^2/NDF : 352743.0/13

Right Out: 1759.990 ± 0.479 χ^2/NDF : 306154.6/18

Left In: 1962.308 ± 0.445 χ^2/NDF : 31640.0/11

Left: 1977.563 ± 0.312 χ^2/NDF : 386688.8/25

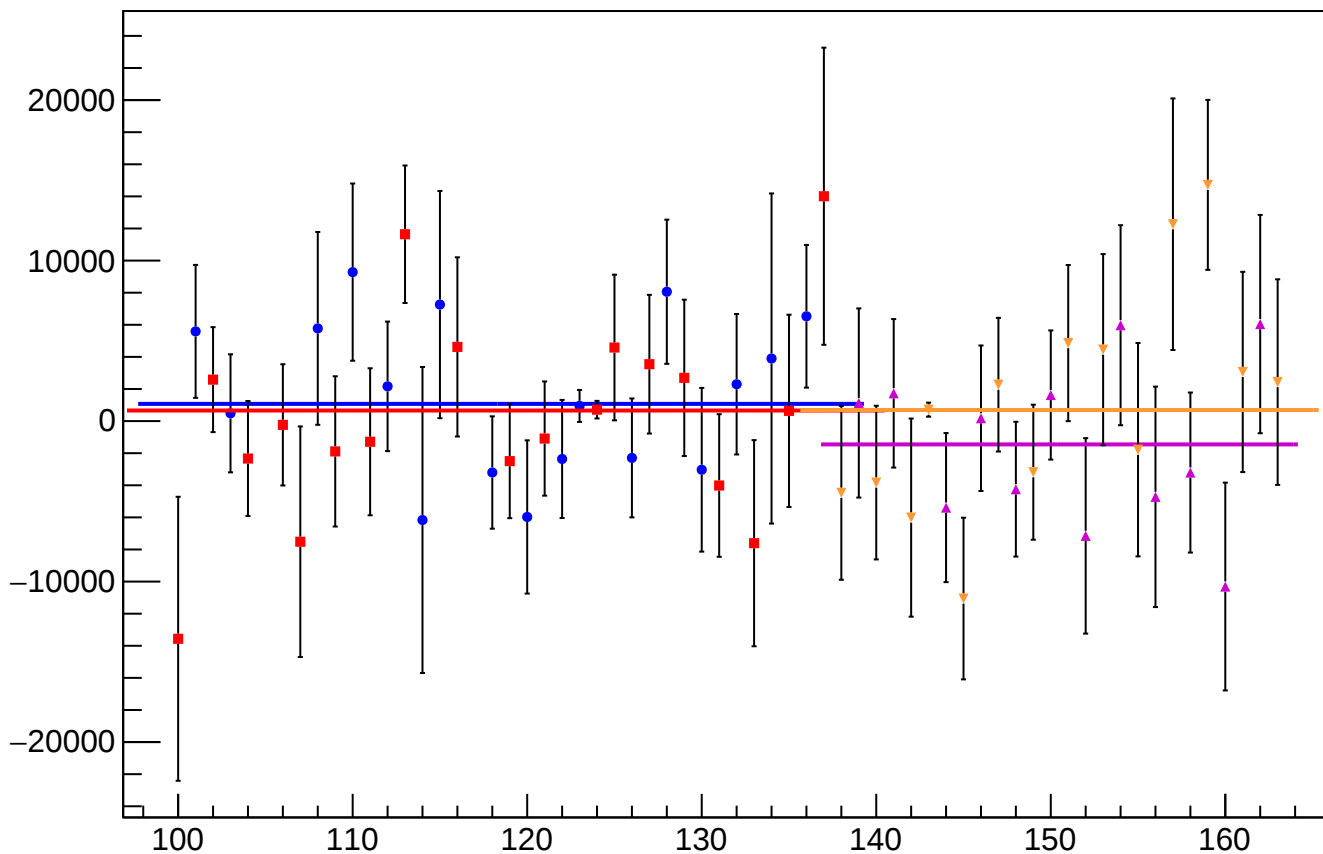
Right: 1768.045 ± 0.346 χ^2/NDF : 950324.7/35

In: 1880.565 ± 0.333 χ^2/NDF : 751667.7/28

Out: 1886.649 ± 0.323 χ^2/NDF : 787204.5/32

All: 1883.700 ± 0.232 χ^2/NDF : 1539044.3/61

asym_atr1l2_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 688.818+/-420.935 χ^2/NDF : 20.1/13

Right Out: 658.759+/-488.034 χ^2/NDF : 19.8/18

Left In: -1452.529+/-1493.030 χ^2/NDF : 8.3/11

Left: 531.143+/-405.141 χ^2/NDF : 30.3/25

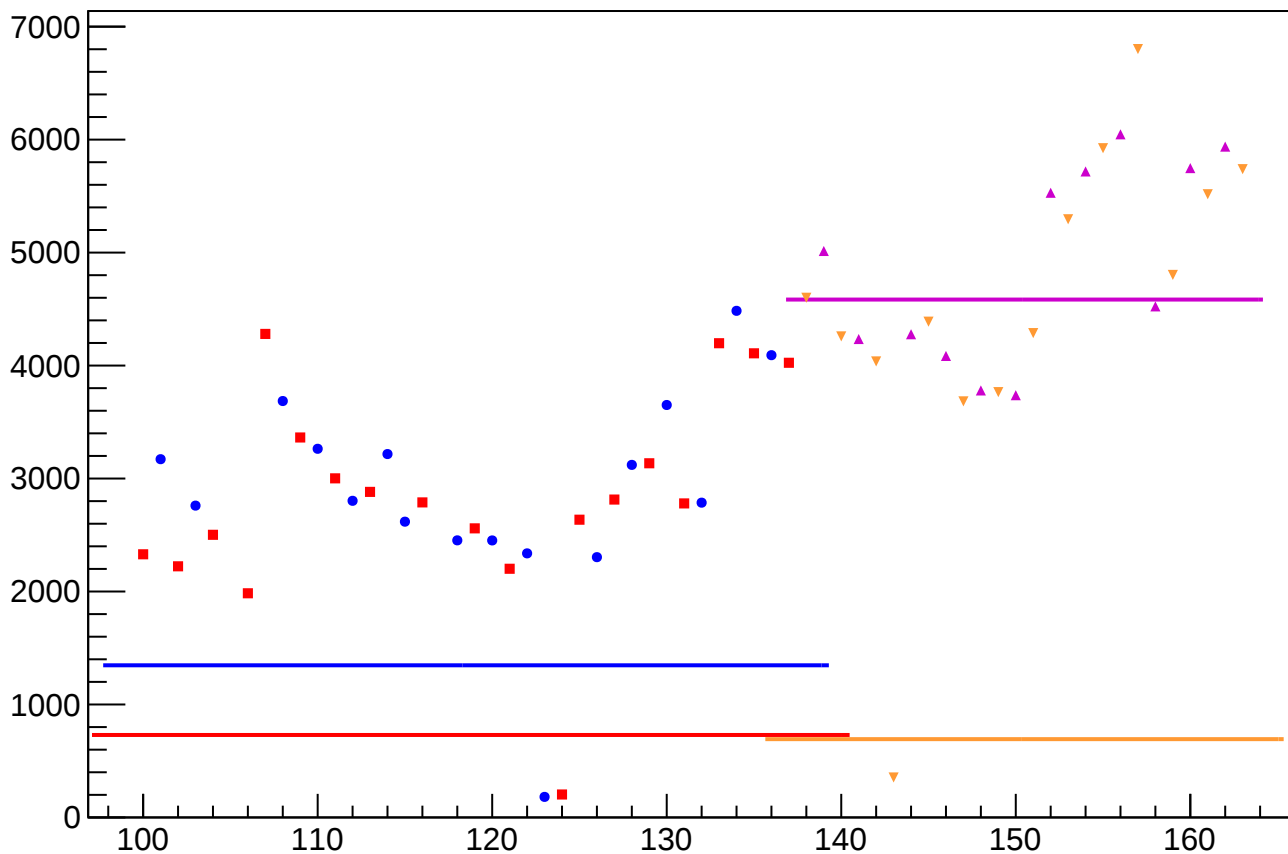
Right: 781.219+/-409.424 χ^2/NDF : 35.6/35

In: 561.006+/-671.819 χ^2/NDF : 26.1/28

Out: 675.996+/-318.750 χ^2/NDF : 39.9/32

All: 654.866+/-287.981 χ^2/NDF : 66.0/61

asym_atr1l2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1346.836 $\pm$ 0.532 χ^2 /NDF: 6839112.6/16

Left Out: 693.199 $\pm$ 0.298 χ^2 /NDF: 15486214.5/13

Right Out: 730.119 $\pm$ 0.345 χ^2 /NDF: 9503127.2/18

Left In: 4584.223 $\pm$ 1.056 χ^2 /NDF: 566239.7/11

Left: 979.709 $\pm$ 0.286 χ^2 /NDF: 28636012.7/25

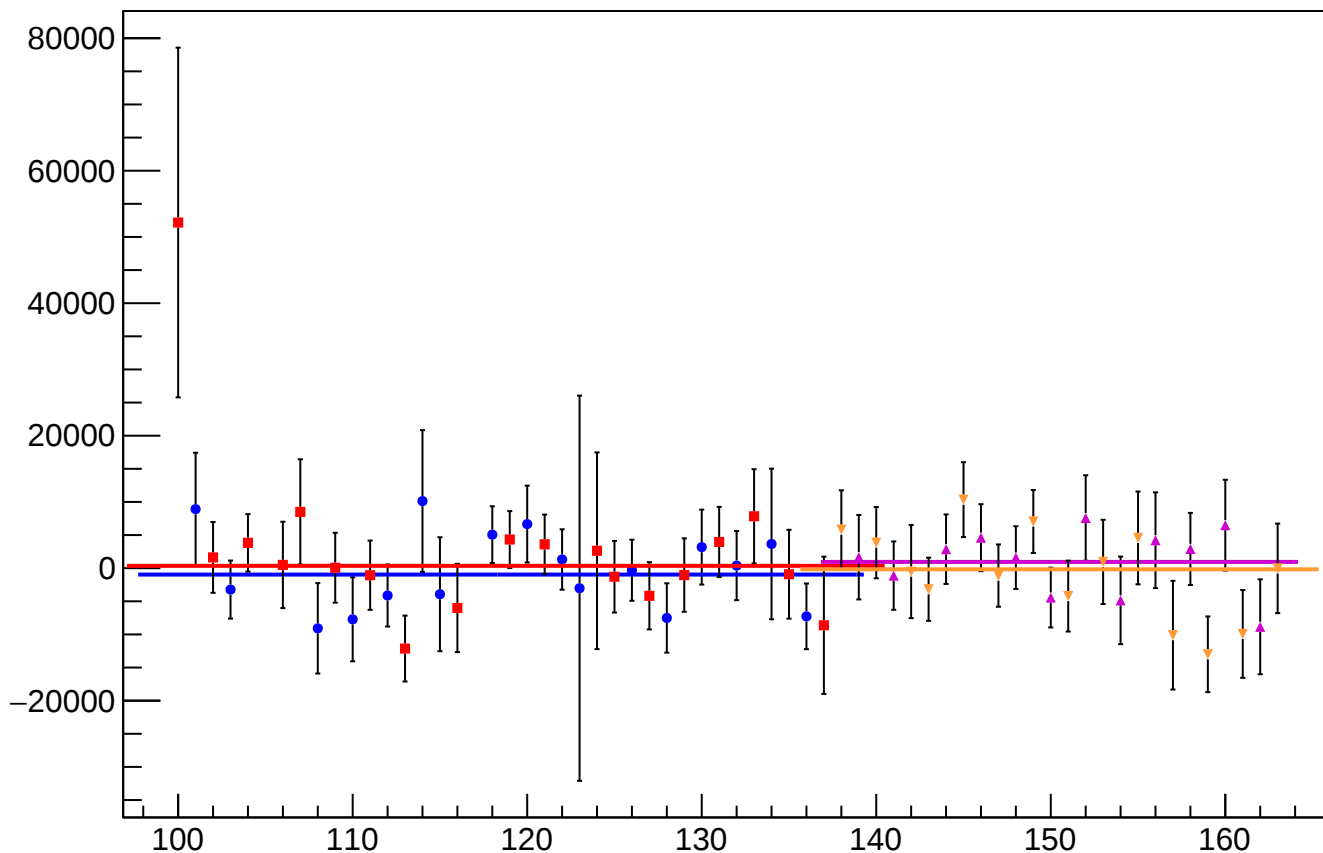
Right: 912.792 $\pm$ 0.290 χ^2 /NDF: 17288237.9/35

In: 2002.319 $\pm$ 0.475 χ^2 /NDF: 14904768.4/28

Out: 708.948 $\pm$ 0.225 χ^2 /NDF: 24995905.3/32

All: 946.602 $\pm$ 0.204 χ^2 /NDF: 45951244.0/63

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -964.151+/-1395.626 χ^2/NDF : 13.7/16

Left Out: -170.090+/-1546.308 χ^2/NDF : 17.5/13

Right Out: 354.646+/-1329.760 χ^2/NDF : 17.6/18

Left In: 945.700+/-1639.512 χ^2/NDF : 7.0/11

Left: 355.189+/-1124.912 χ^2/NDF : 24.7/25

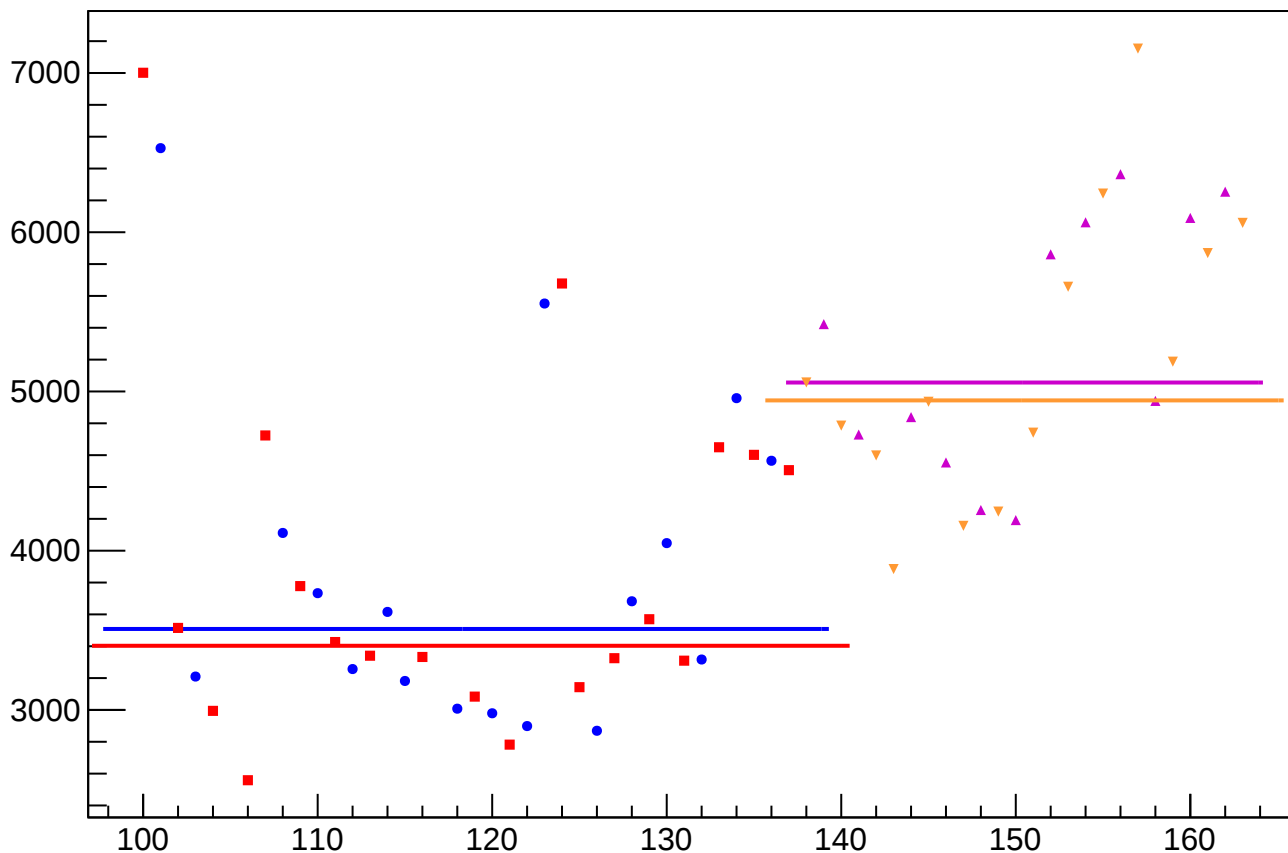
Right: -272.899+/-962.726 χ^2/NDF : 31.8/35

In: -161.706+/-1062.729 χ^2/NDF : 21.5/28

Out: 131.564+/-1008.225 χ^2/NDF : 35.2/32

All: -7.358+/-731.433 χ^2/NDF : 56.7/61

asym_atr1l2_dd_rms vs Slug, Sign Corrected



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

Left Out: 4943.870+/-1.093 χ^2/NDF : 544160.3/13

Right Out: 3402.883+/-0.928 χ^2/NDF : 428556.1/18

Left In: 5056.134+/-1.159 χ^2/NDF : 413849.2/11

Left: 4996.720+/-0.795 χ^2/NDF : 962972.4/25

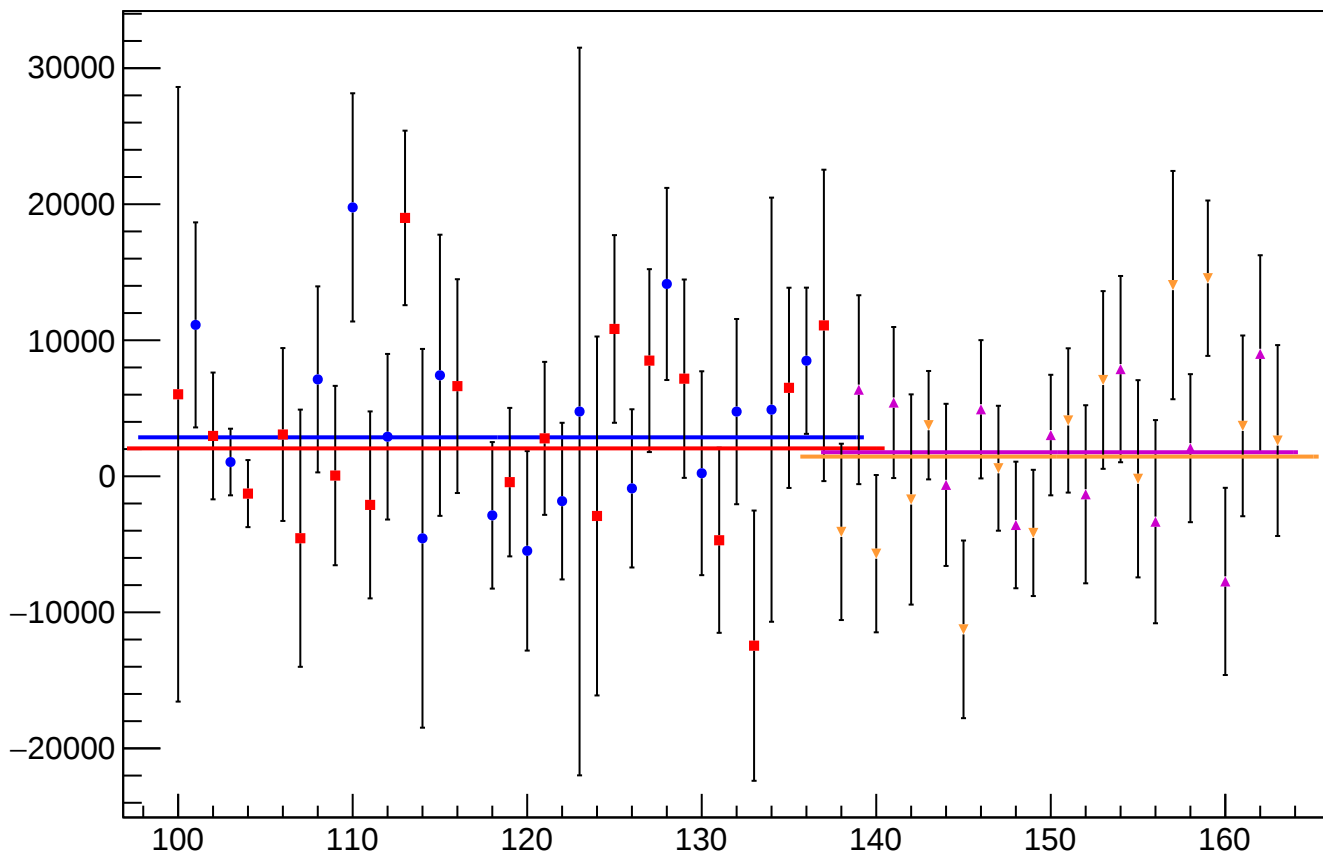
Right: 3452.447+/-0.676 χ^2/NDF : 996829.8/35

In: 4158.741+/-0.751 χ^2/NDF : 2009417.1/28

Out: 4048.212+/-0.708 χ^2/NDF : 2127176.9/32

All: 4100.155+/-0.515 χ^2/NDF : 4148061.3/63

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: 1447.619+/-1549.222 χ^2/NDF : 16.8/13

Right Out: 2051.211+/-1381.577 χ^2/NDF : 17.7/18

Left In: 1767.577+/-1681.361 χ^2/NDF : 7.2/11

Left: 1594.533+/-1139.320 χ^2/NDF : 24.0/25

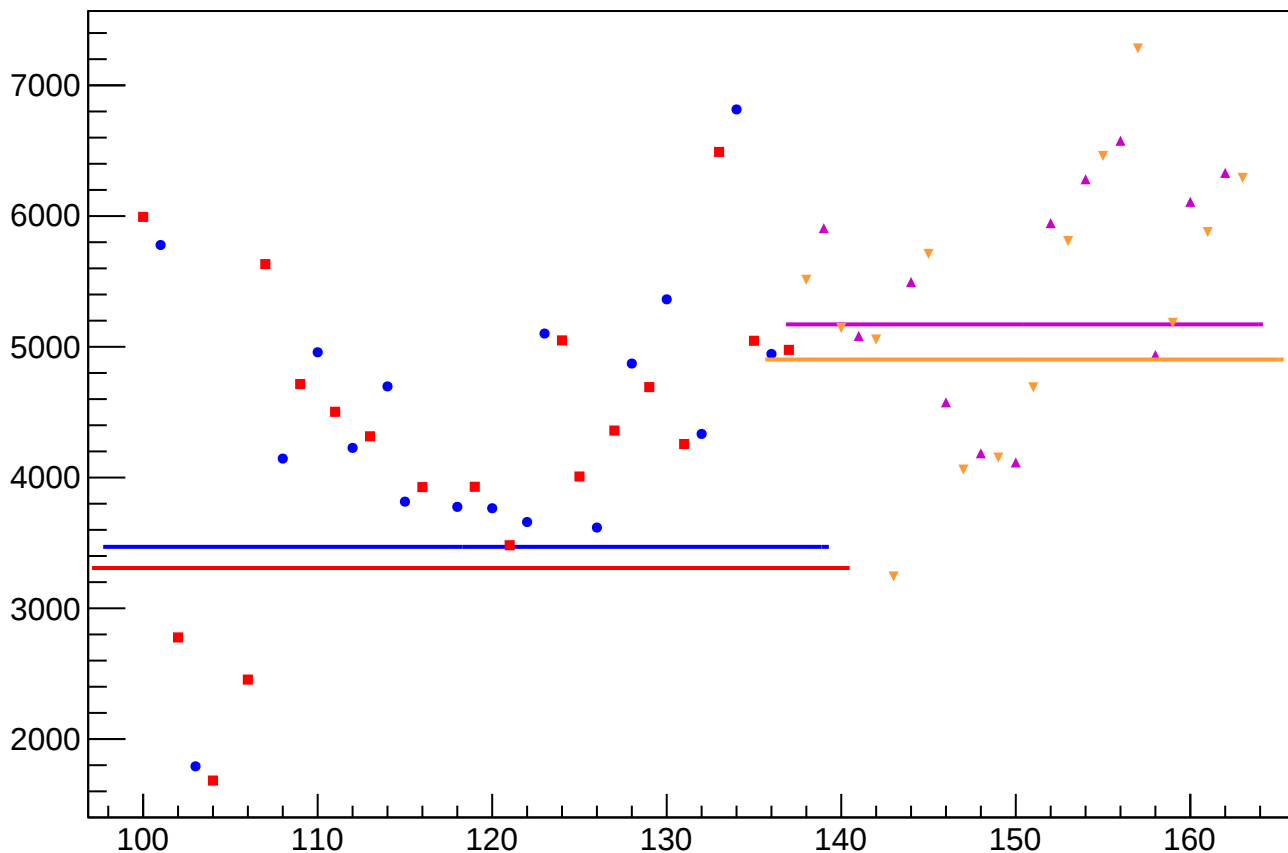
Right: 2437.600+/-1001.108 χ^2/NDF : 31.9/35

In: 2395.817+/-1099.219 χ^2/NDF : 21.5/28

Out: 1783.829+/-1031.118 χ^2/NDF : 34.5/32

All: 2070.279+/-752.034 χ^2/NDF : 56.2/61

reg_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3470.042 $\pm$ 1.027 χ^2 /NDF: 1760860.6/16

Left Out: 4902.682 $\pm$ 1.095 χ^2 /NDF: 939996.1/13

Right Out: 3308.243 $\pm$ 0.968 χ^2 /NDF: 1910782.0/18

Left In: 5171.544 $\pm$ 1.189 χ^2 /NDF: 502981.5/11

Left: 5026.134 $\pm$ 0.806 χ^2 /NDF: 1470636.3/25

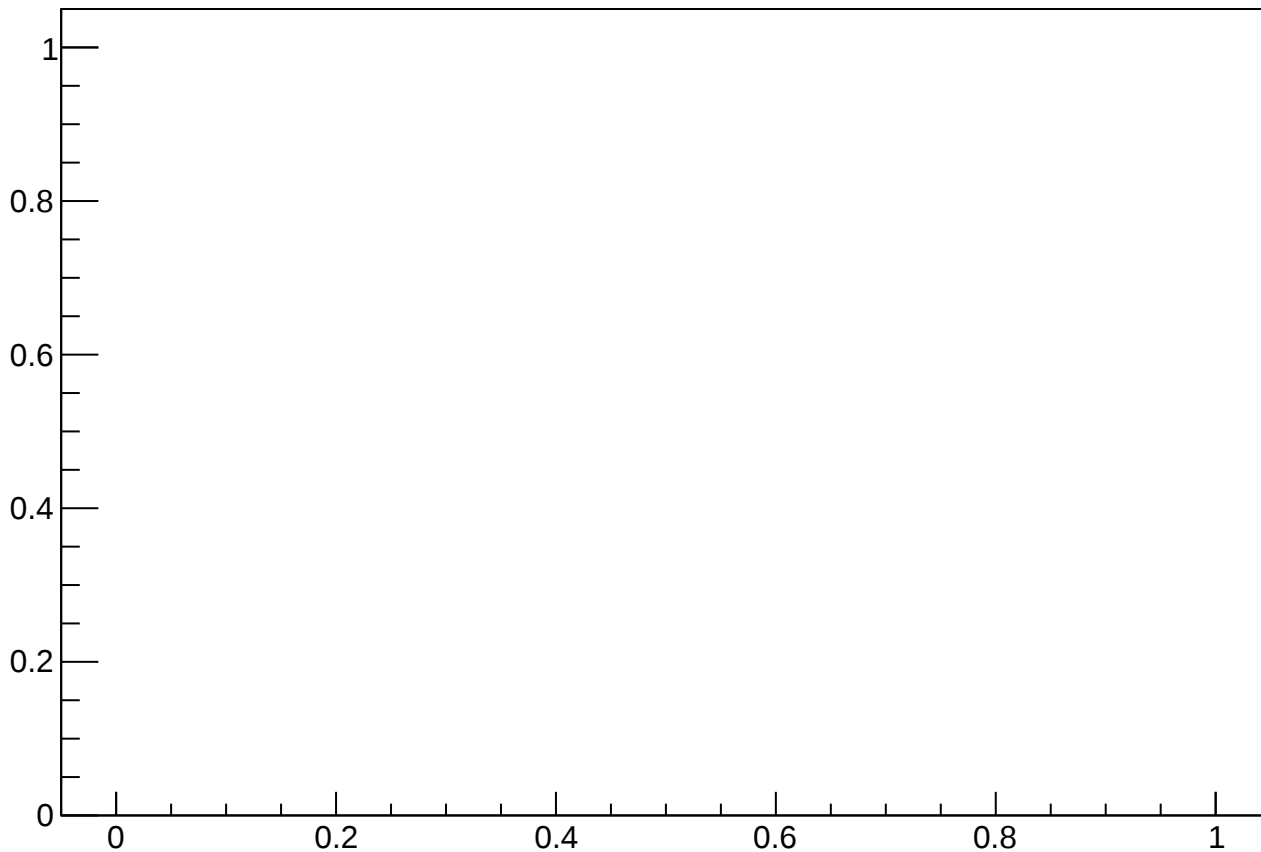
Right: 3384.349 $\pm$ 0.704 χ^2 /NDF: 3684784.1/35

In: 4197.264 $\pm$ 0.777 χ^2 /NDF: 3436642.4/28

Out: 4007.342 $\pm$ 0.725 χ^2 /NDF: 4040370.9/32

All: 4095.754 $\pm$ 0.530 χ^2 /NDF: 7508925.8/63

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

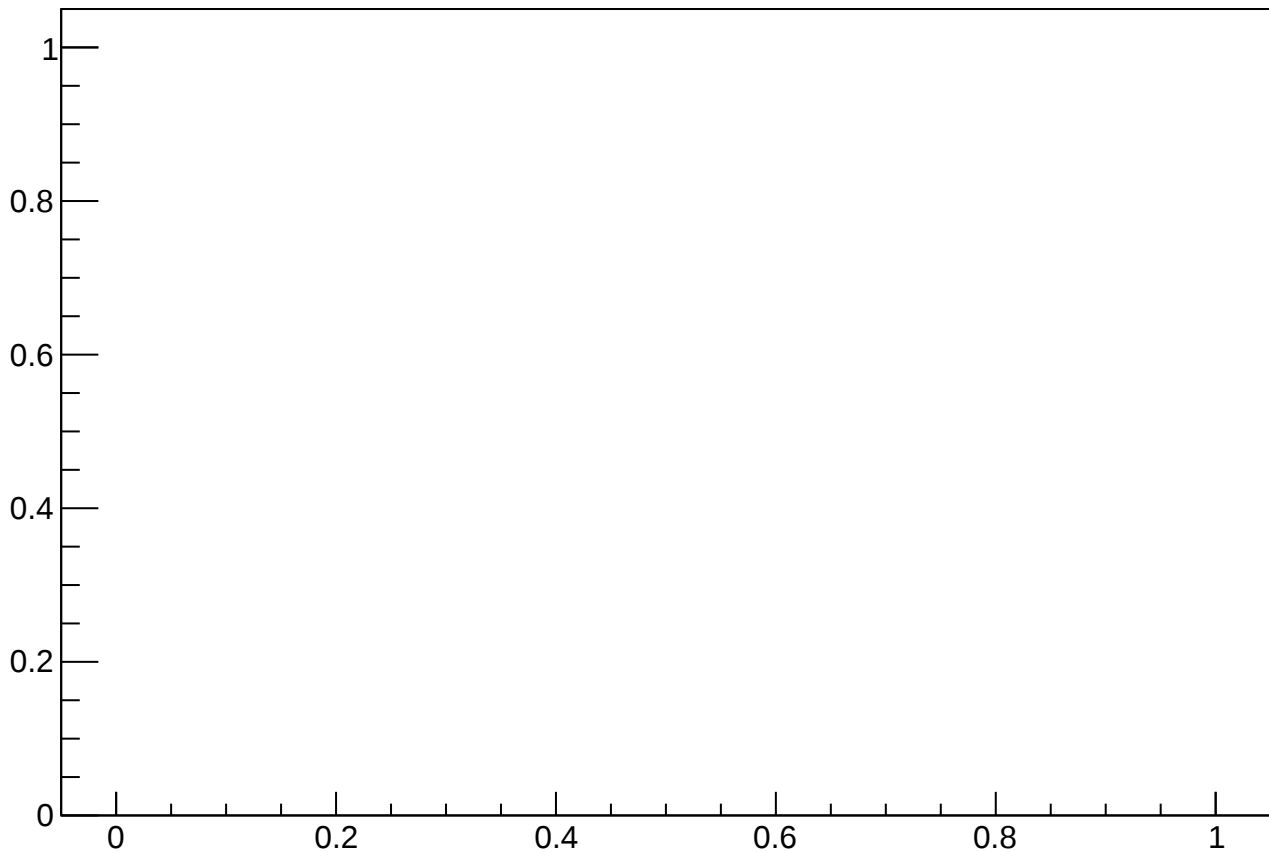
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

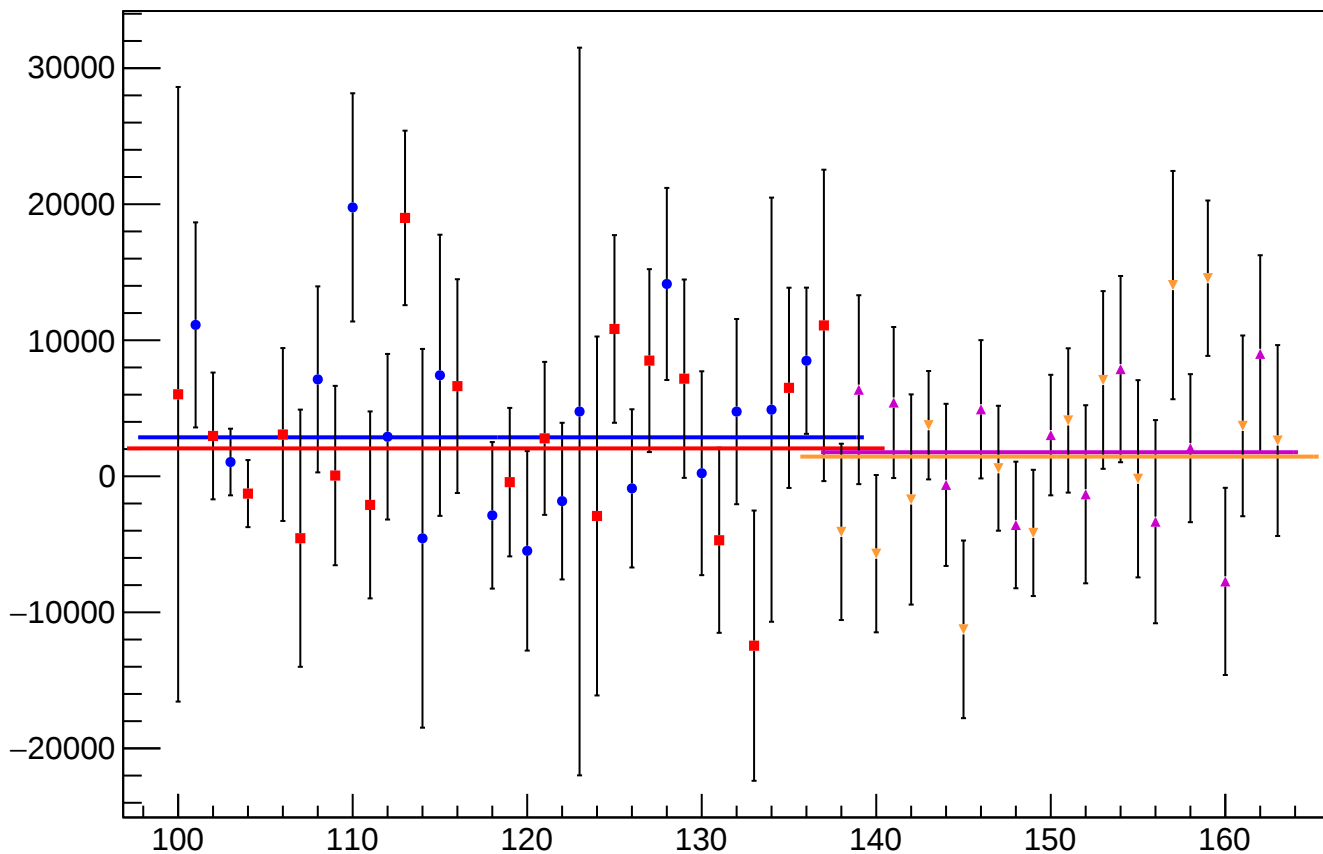
asym_atl_avg_atr_avg_avg_correction_rms vs Slug, Sign Corrected



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

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Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
All: 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: 1447.619+/-1549.222 χ^2/NDF : 16.8/13

Right Out: 2051.211+/-1381.577 χ^2/NDF : 17.7/18

Left In: 1767.577+/-1681.361 χ^2/NDF : 7.2/11

Left: 1594.533+/-1139.320 χ^2/NDF : 24.0/25

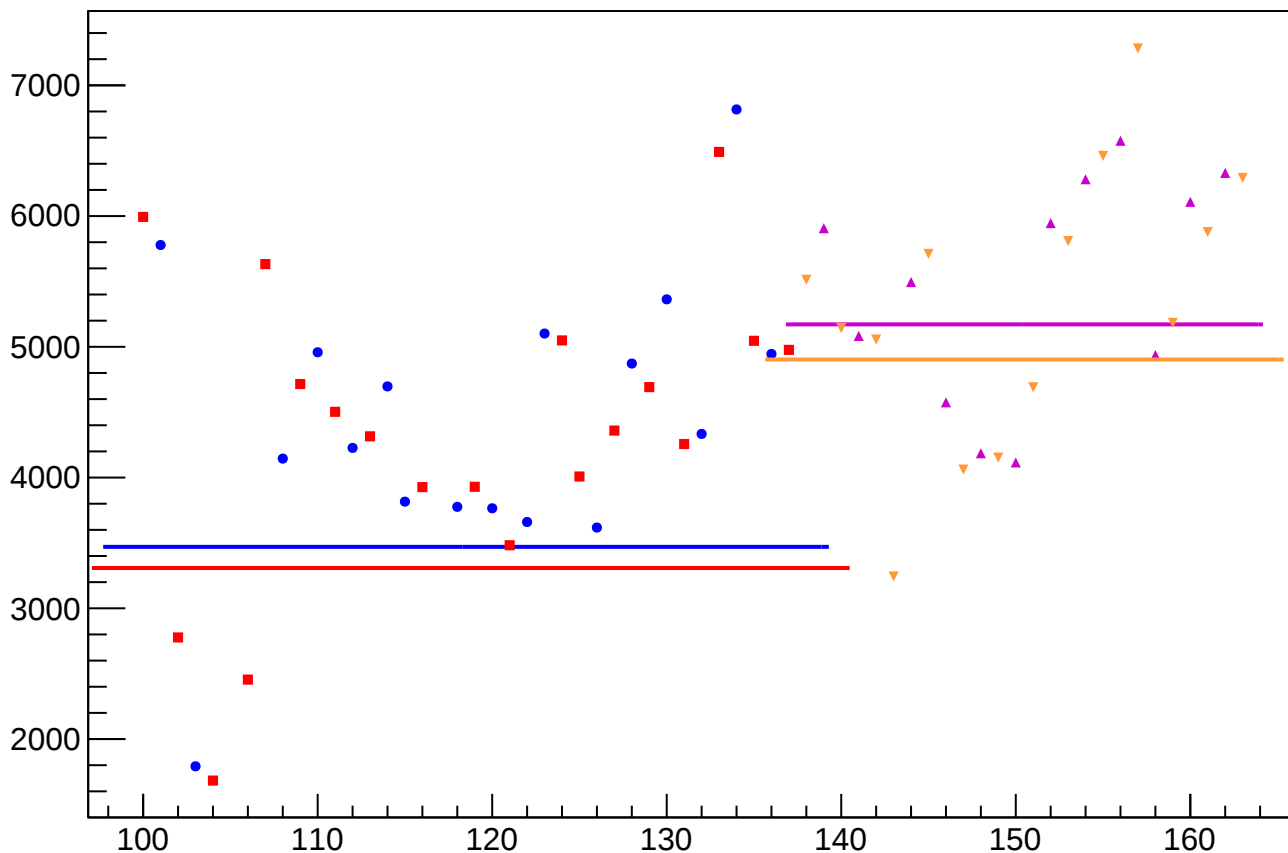
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In: 2395.817+/-1099.219 χ^2/NDF : 21.5/28

Out: 1783.829+/-1031.118 χ^2/NDF : 34.5/32

All: 2070.279+/-752.034 χ^2/NDF : 56.2/61

asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3470.042 $\pm$ 1.027 χ^2 /NDF: 1760860.6/16

Left Out: 4902.682 $\pm$ 1.095 χ^2 /NDF: 939996.1/13

Right Out: 3308.243 $\pm$ 0.968 χ^2 /NDF: 1910782.0/18

Left In: 5171.544 $\pm$ 1.189 χ^2 /NDF: 502981.5/11

Left: 5026.134 $\pm$ 0.806 χ^2 /NDF: 1470636.3/25

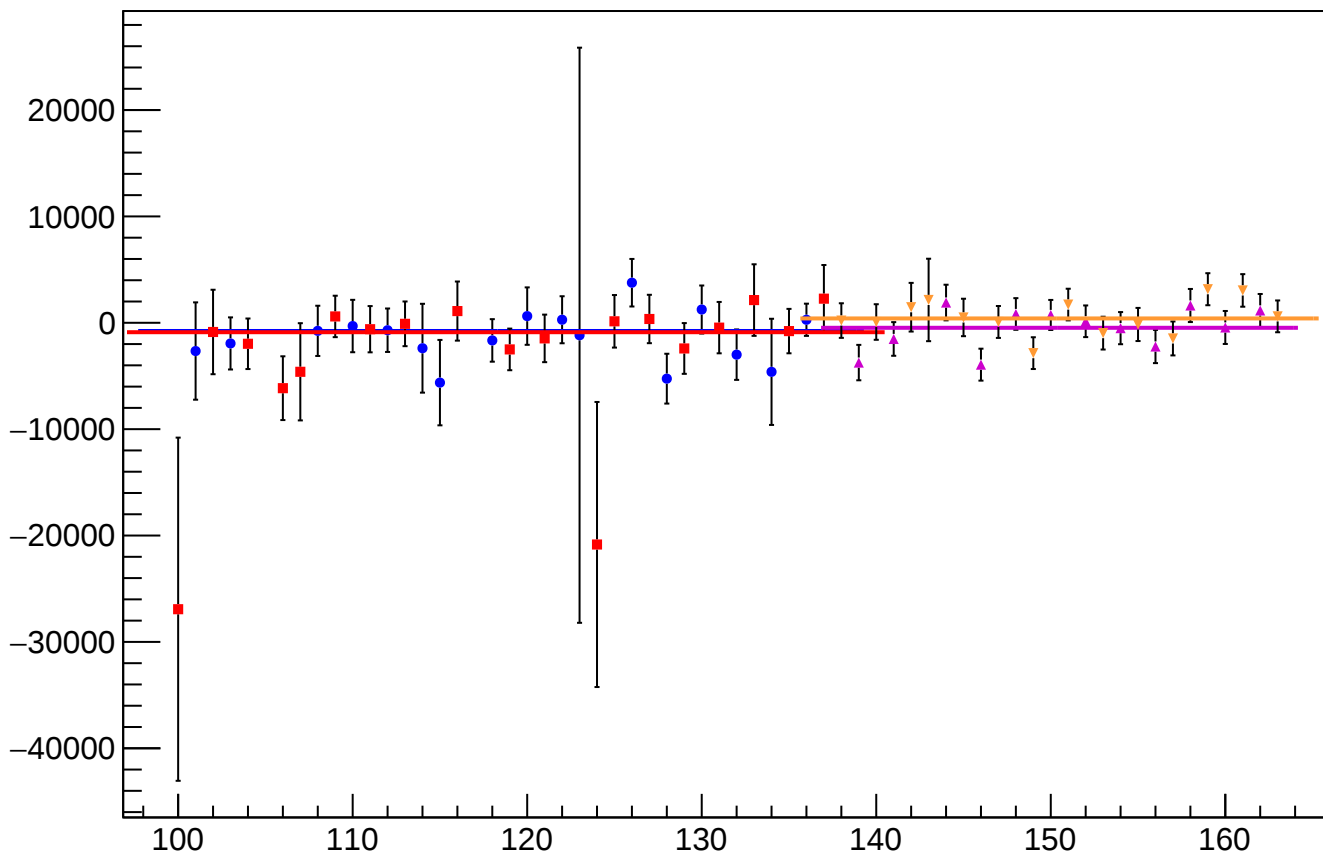
Right: 3384.349 $\pm$ 0.704 χ^2 /NDF: 3684784.1/35

In: 4197.264 $\pm$ 0.777 χ^2 /NDF: 3436642.4/28

Out: 4007.342 $\pm$ 0.725 χ^2 /NDF: 4040370.9/32

All: 4095.754 $\pm$ 0.530 χ^2 /NDF: 7508925.8/63

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: 409.364+/-438.450 χ^2 /NDF:14.7/13

Right Out: -885.145+/-595.053 χ^2 /NDF: 13.5/18

Left In: -470.410+/-444.597 χ^2 /NDF:17.5/11

Left: -24.399+/-312.181 χ^2 /NDF: 34.2/25

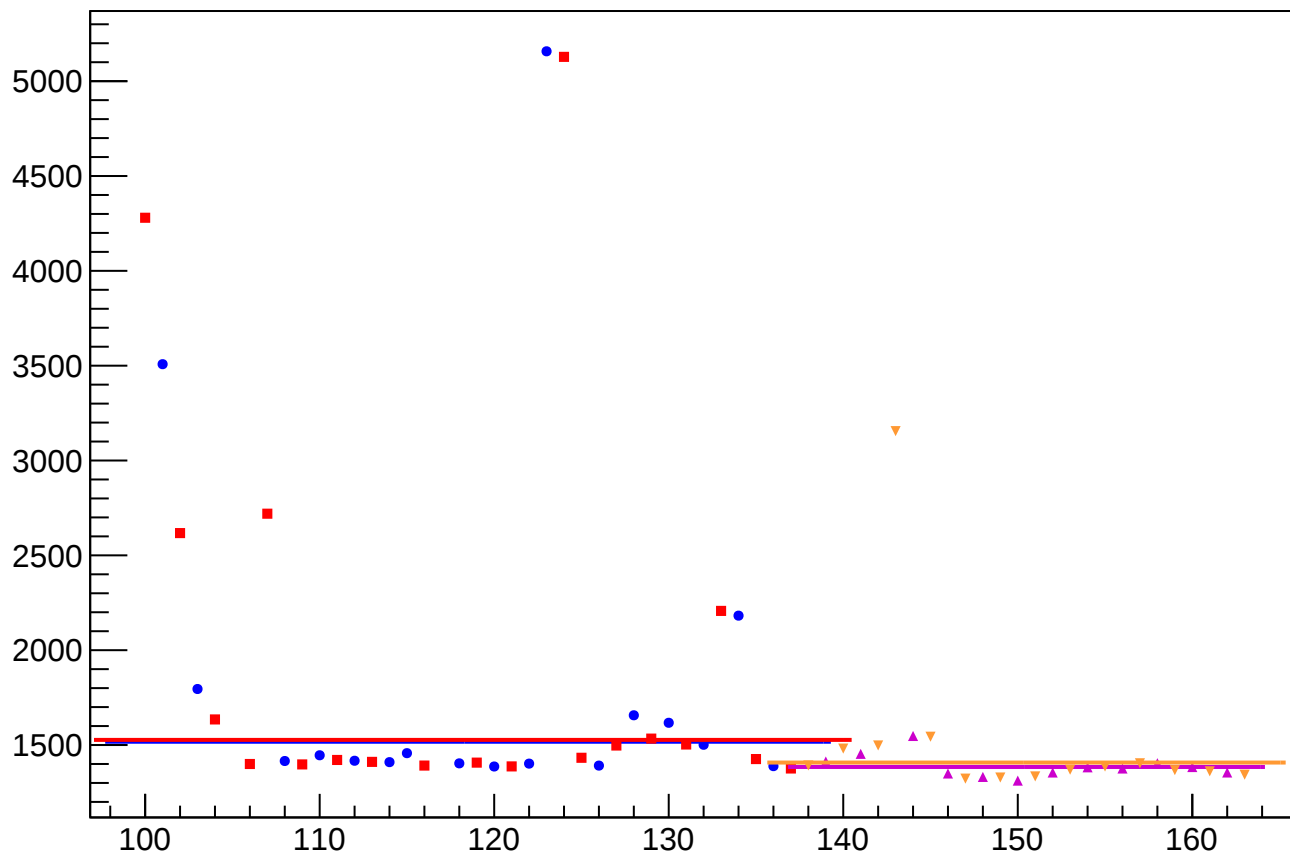
Right: -828.970+/-423.787 χ^2 /NDF: 26.8/35

In: -576.167+/-357.990 χ^2 /NDF:30.9/28

Out: -46.141+/-352.980 χ^2 /NDF:31.3/32

All: -307.419+/-251.347 χ^2 /NDF: 63.3/61

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: 1407.560+/-0.310 χ^2/NDF : 450877.6/13

Right Out: 1527.005+/-0.421 χ^2/NDF : 631684.2/18

Left In: 1384.242+/-0.314 χ^2/NDF : 34056.1/11

Left: 1396.063+/-0.221 χ^2/NDF : 487722.6/25

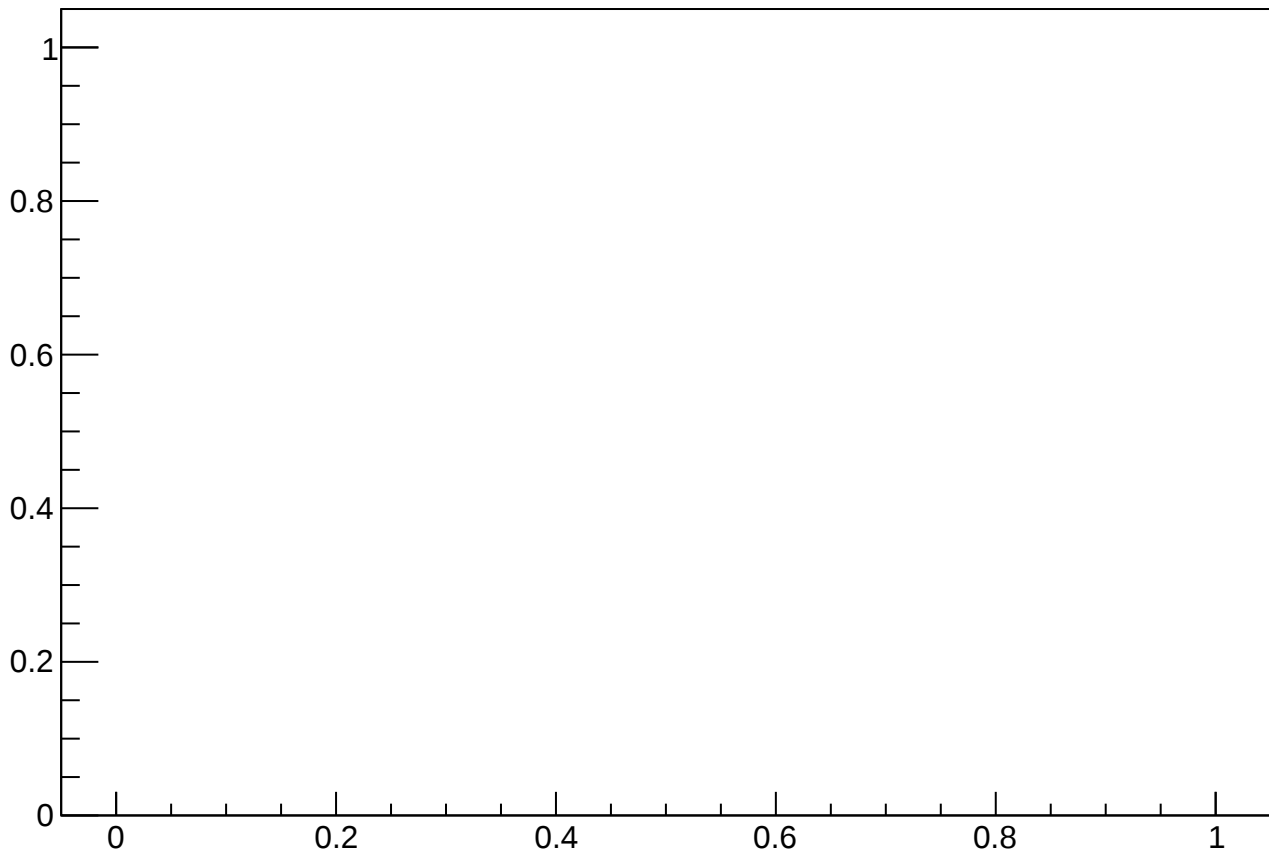
Right: 1522.239+/-0.300 χ^2/NDF : 1168607.3/35

In: 1431.045+/-0.253 χ^2/NDF : 633744.1/28

Out: 1449.590+/-0.250 χ^2/NDF : 1134792.1/32

All: 1440.448+/-0.178 χ^2/NDF : 1771257.6/63

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

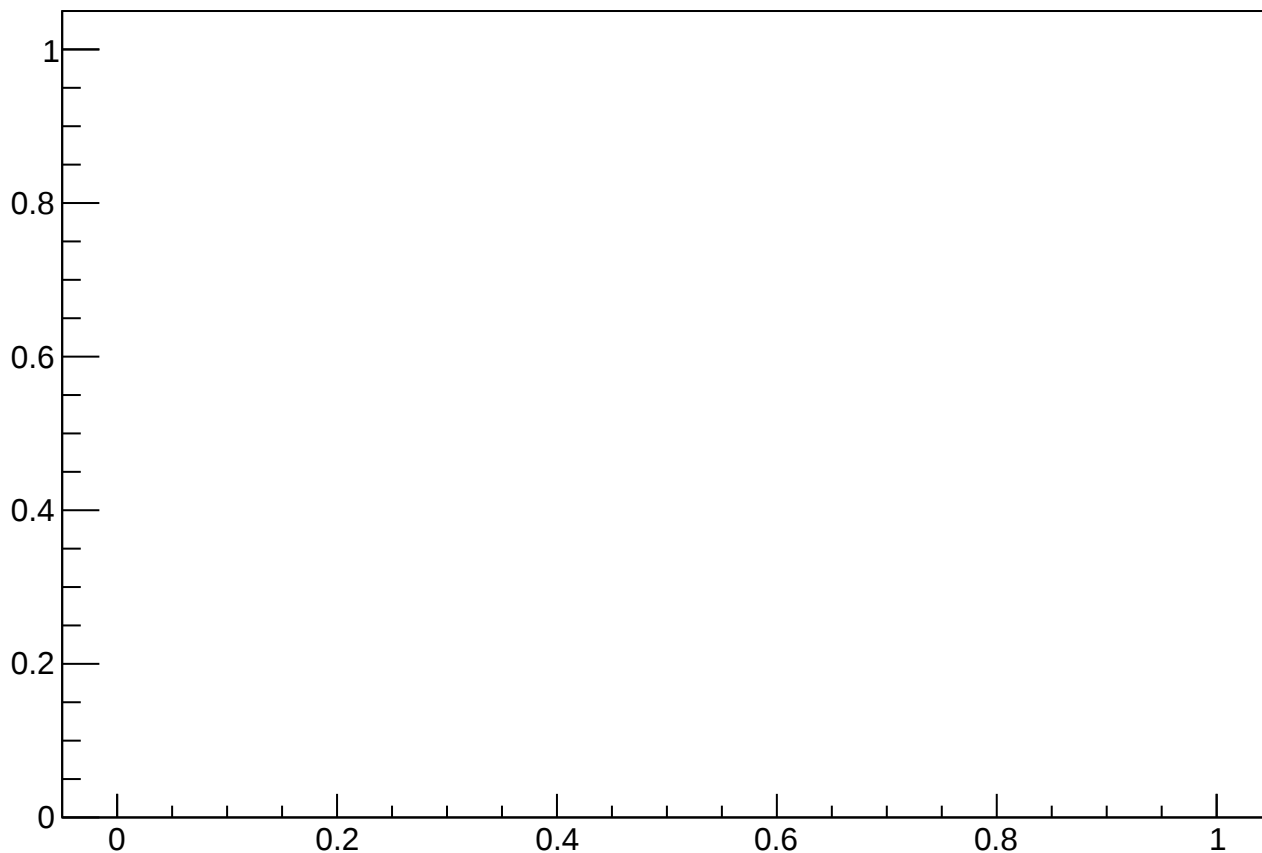
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 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

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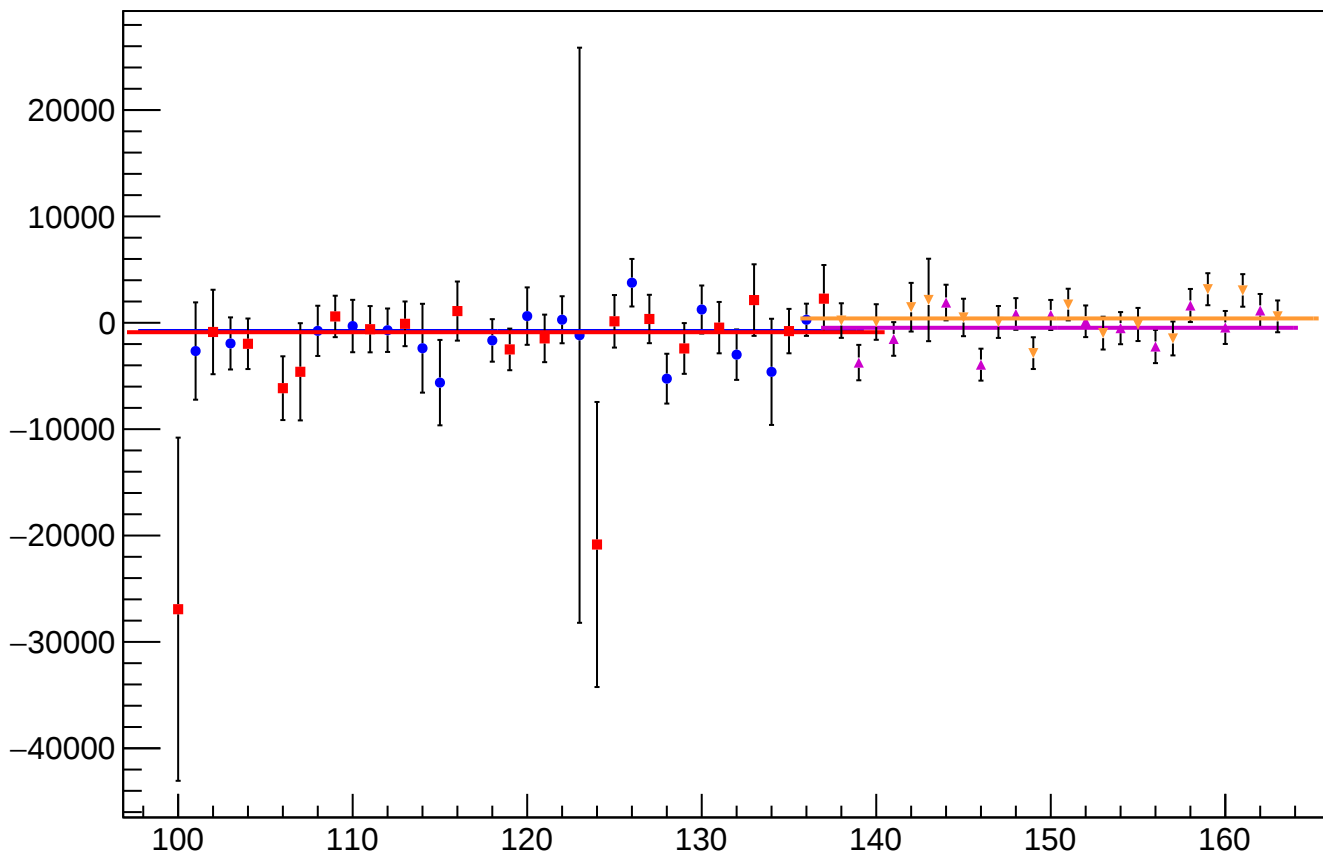
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 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: 409.364+/-438.450 χ^2/NDF :14.7/13

Right Out: -885.145+/-595.053 χ^2/NDF : 13.5/18

Left In: -470.410+/-444.597 χ^2/NDF :17.5/11

Left: -24.399+/-312.181 χ^2/NDF : 34.2/25

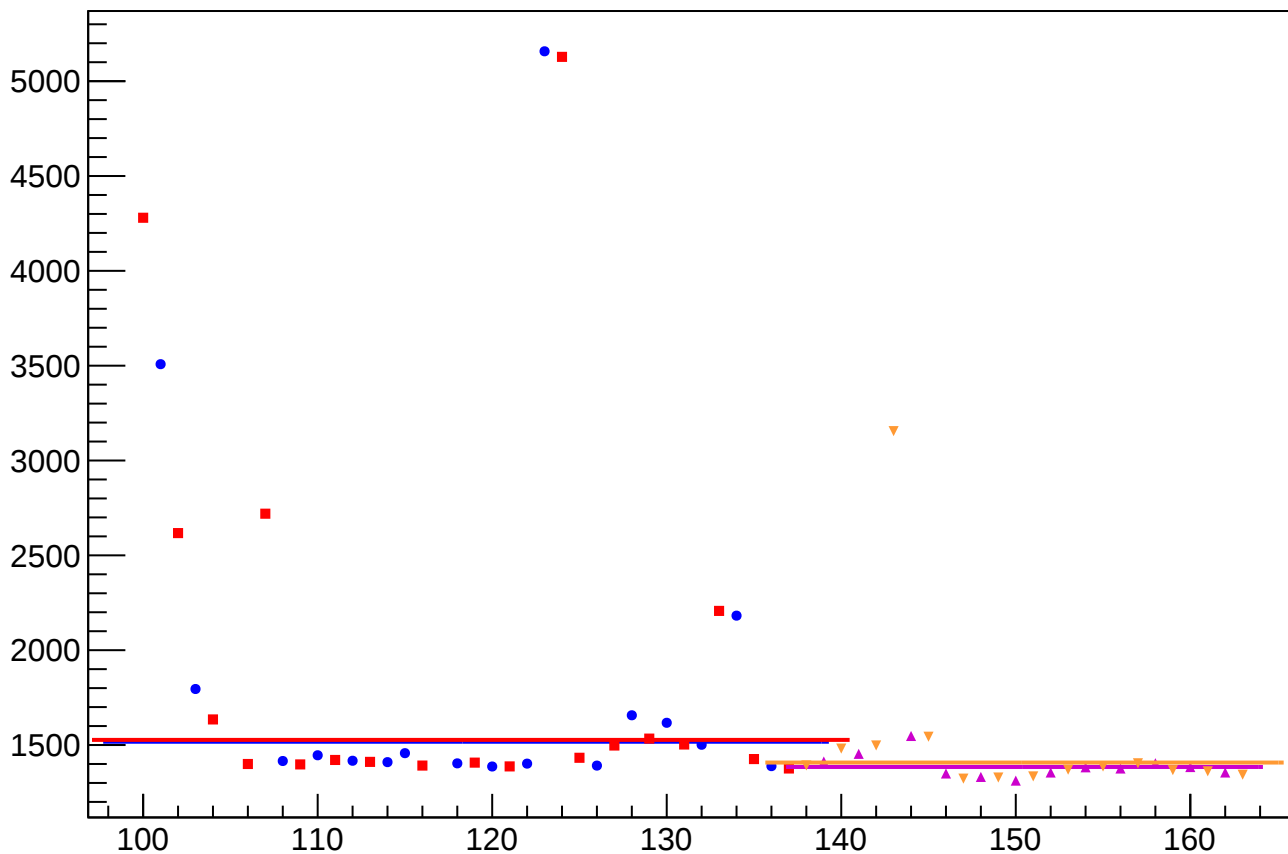
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In: -576.167+/-357.990 χ^2/NDF :30.9/28

Out: -46.141+/-352.980 χ^2/NDF :31.3/32

All: -307.419+/-251.347 χ^2/NDF : 63.3/61

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: 1407.560+/-0.310 χ^2/NDF : 450877.6/13

Right Out: 1527.005+/-0.421 χ^2/NDF : 631684.2/18

Left In: 1384.242+/-0.314 χ^2/NDF : 34056.1/11

Left: 1396.063+/-0.221 χ^2/NDF : 487722.6/25

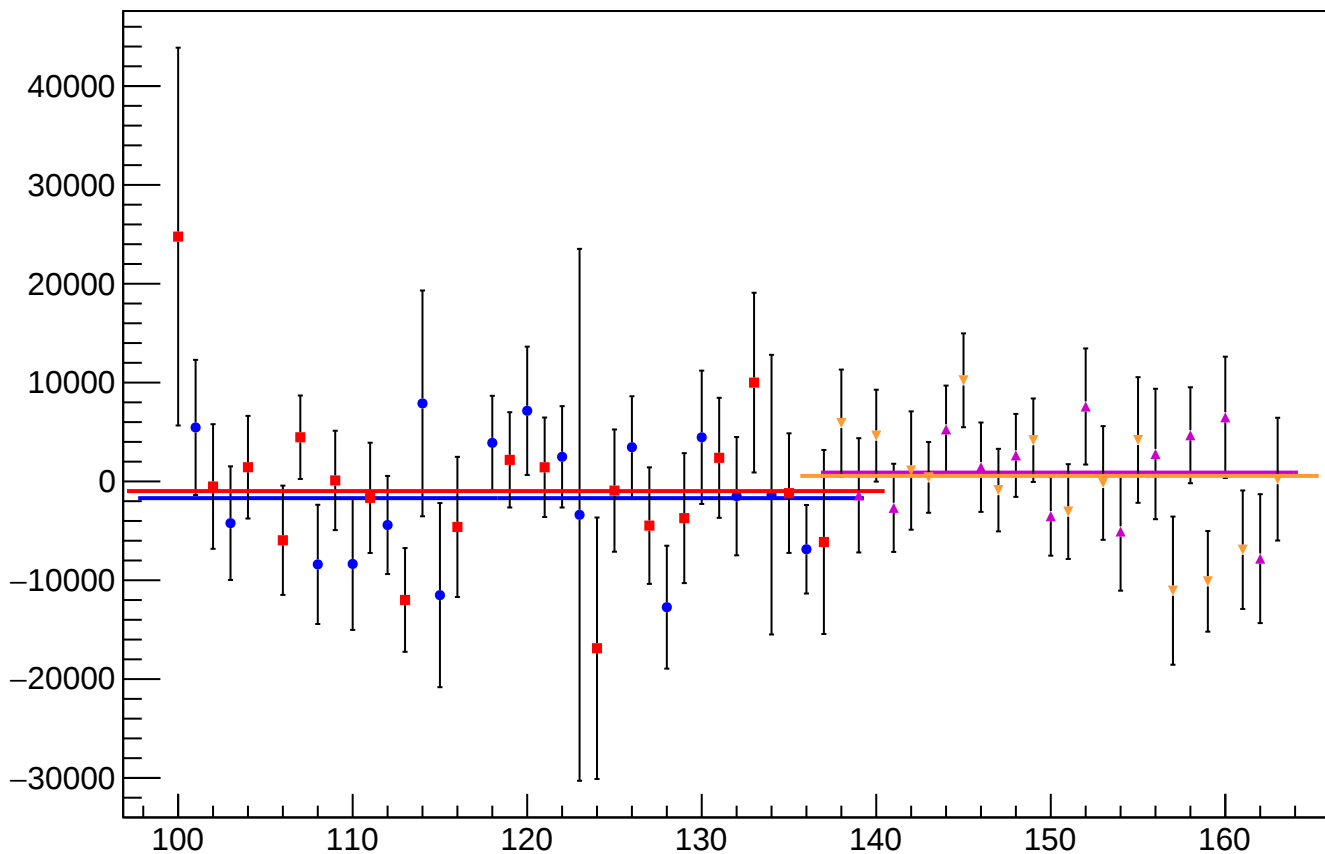
Right: 1522.239+/-0.300 χ^2/NDF : 1168607.3/35

In: 1431.045+/-0.253 χ^2/NDF : 633744.1/28

Out: 1449.590+/-0.250 χ^2/NDF : 1134792.1/32

All: 1440.448+/-0.178 χ^2/NDF : 1771257.6/63

reg_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



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

Left Out: 560.438 $\pm$ 1345.124 χ^2 /NDF:16.0/13

Right Out: -977.899 $\pm$ 1378.874 χ^2 /NDF: 13.9/18

Left In: 895.047 $\pm$ 1456.116 χ^2 /NDF:8.8/11

Left: 714.505 $\pm$ 988.058 χ^2 /NDF: 24.8/25

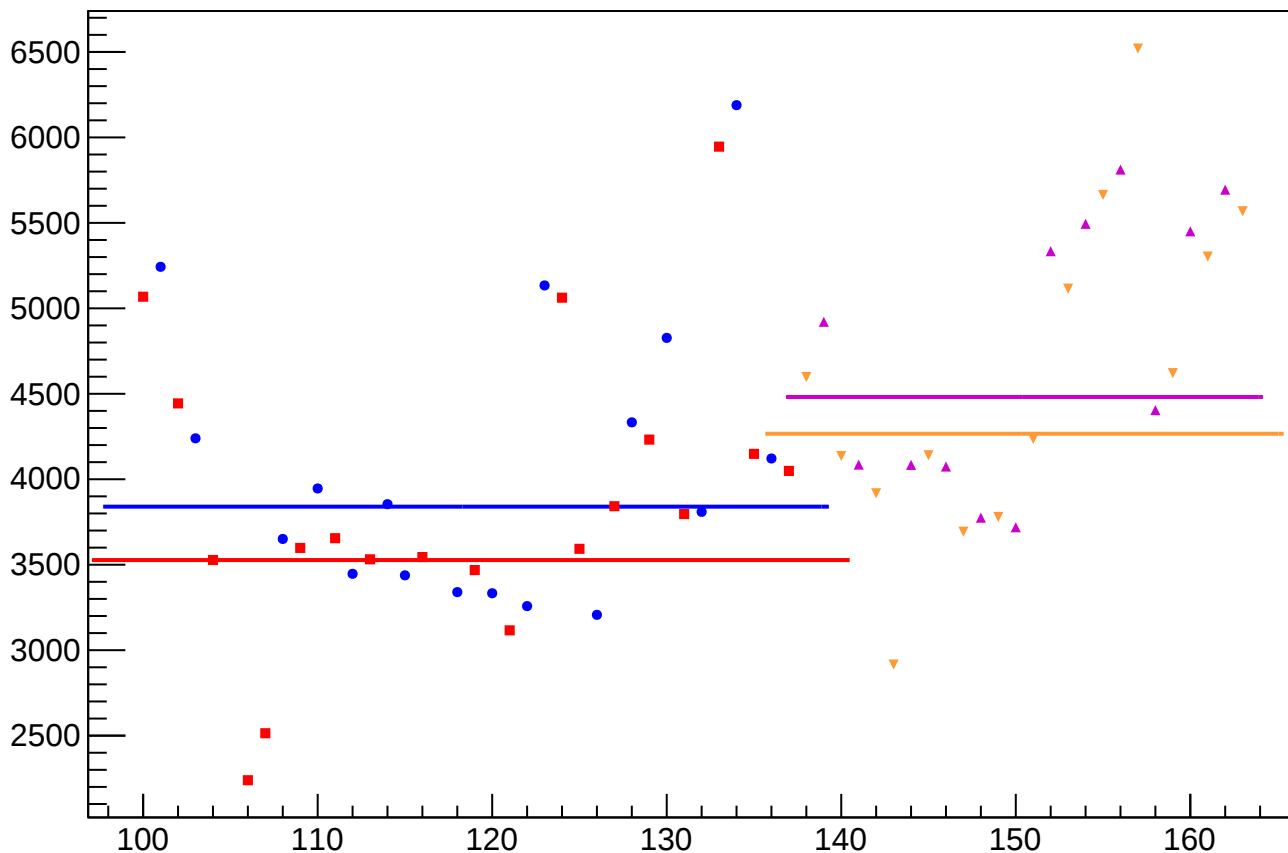
Right: -1302.190 $\pm$ 1019.117 χ^2 /NDF: 29.9/35

In: -349.276 $\pm$ 1049.141 χ^2 /NDF:26.1/28

Out: -189.674 $\pm$ 962.857 χ^2 /NDF:30.6/32

All: -262.643 $\pm$ 709.389 χ^2 /NDF: 56.7/61

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: 4266.314+/-0.951 χ^2/NDF : 844100.6/13

Right Out: 3527.320+/-0.966 χ^2/NDF : 554785.4/18

Left In: 4481.454+/-1.030 χ^2/NDF : 489096.4/11

Left: 4365.373+/-0.699 χ^2/NDF : 1356753.8/25

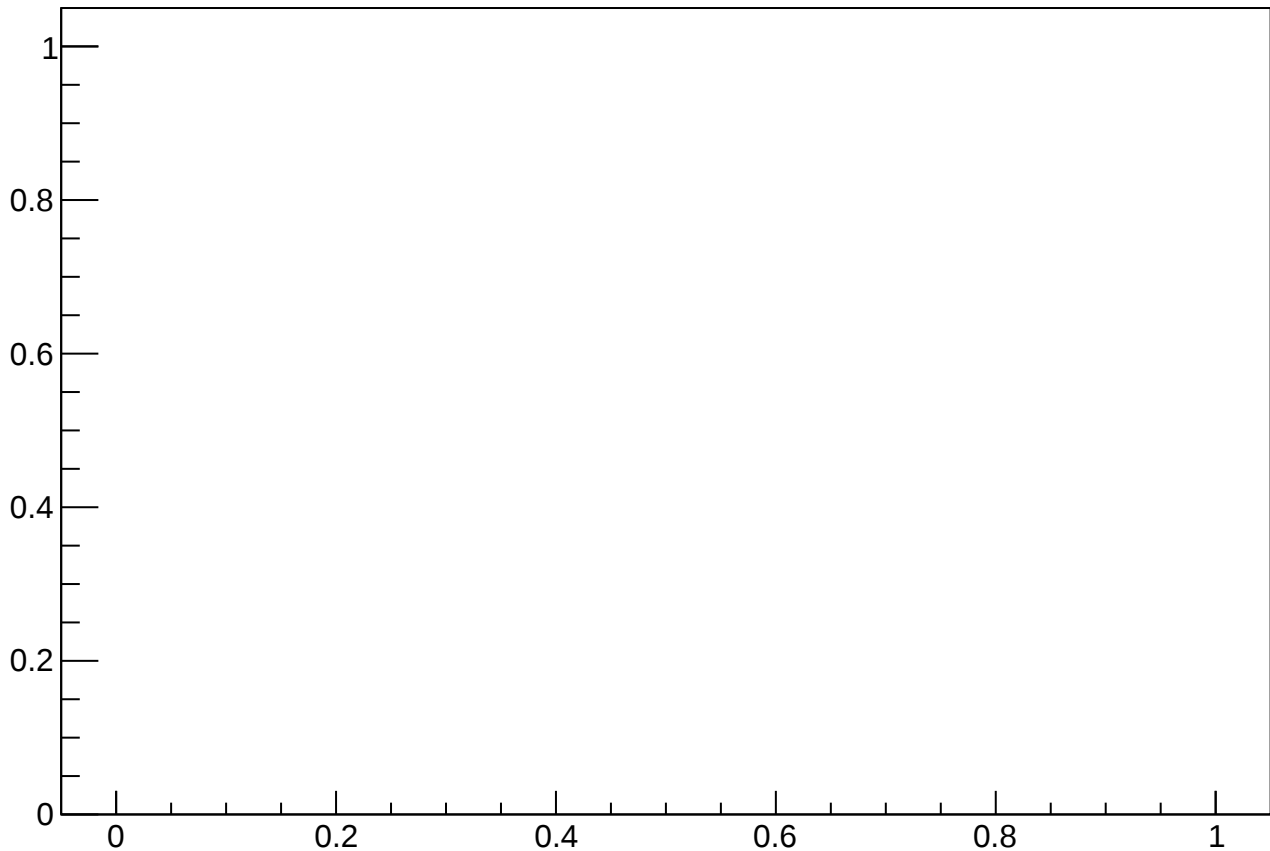
Right: 3667.674+/-0.717 χ^2/NDF : 927722.2/35

In: 4172.870+/-0.742 χ^2/NDF : 1001842.0/28

Out: 3902.600+/-0.678 χ^2/NDF : 1695989.7/32

All: 4025.567+/-0.500 χ^2/NDF : 2770172.2/63

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

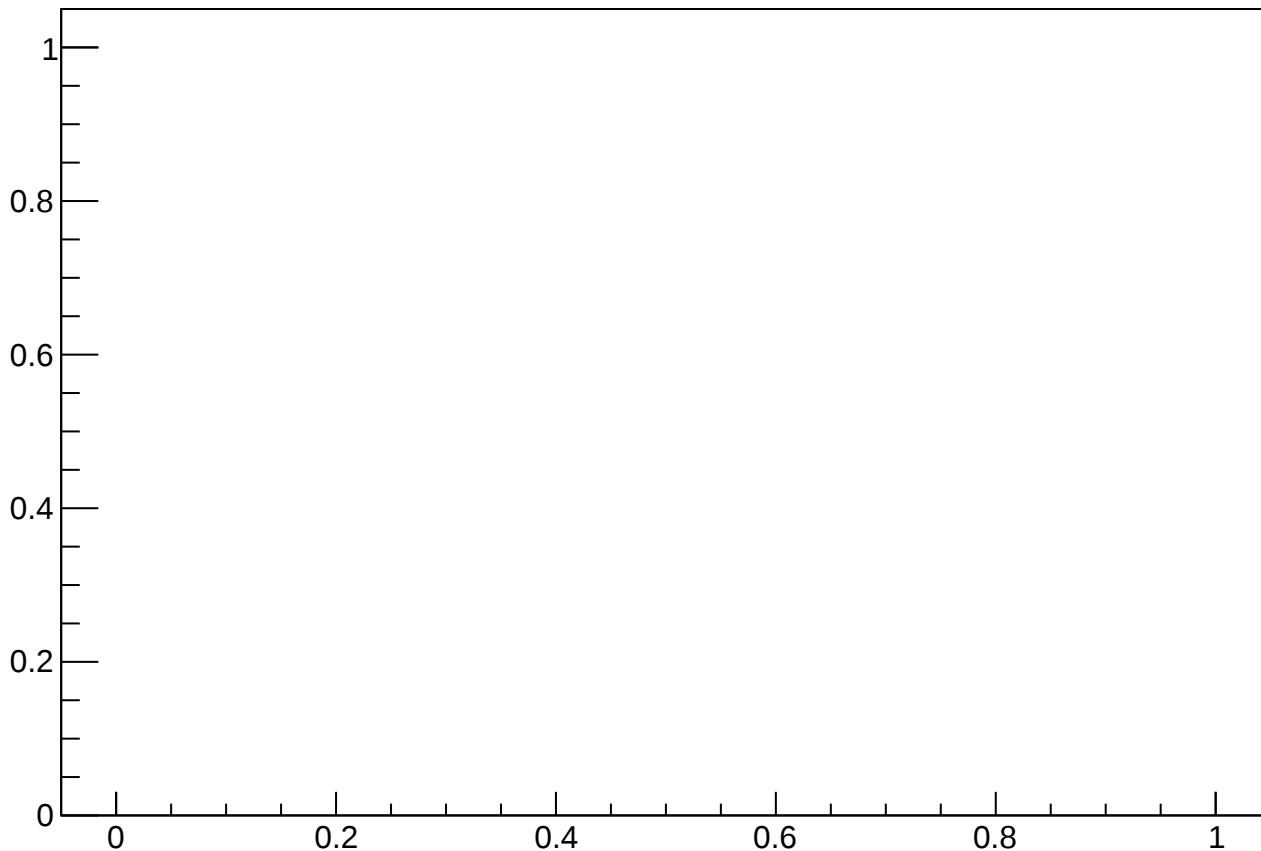
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

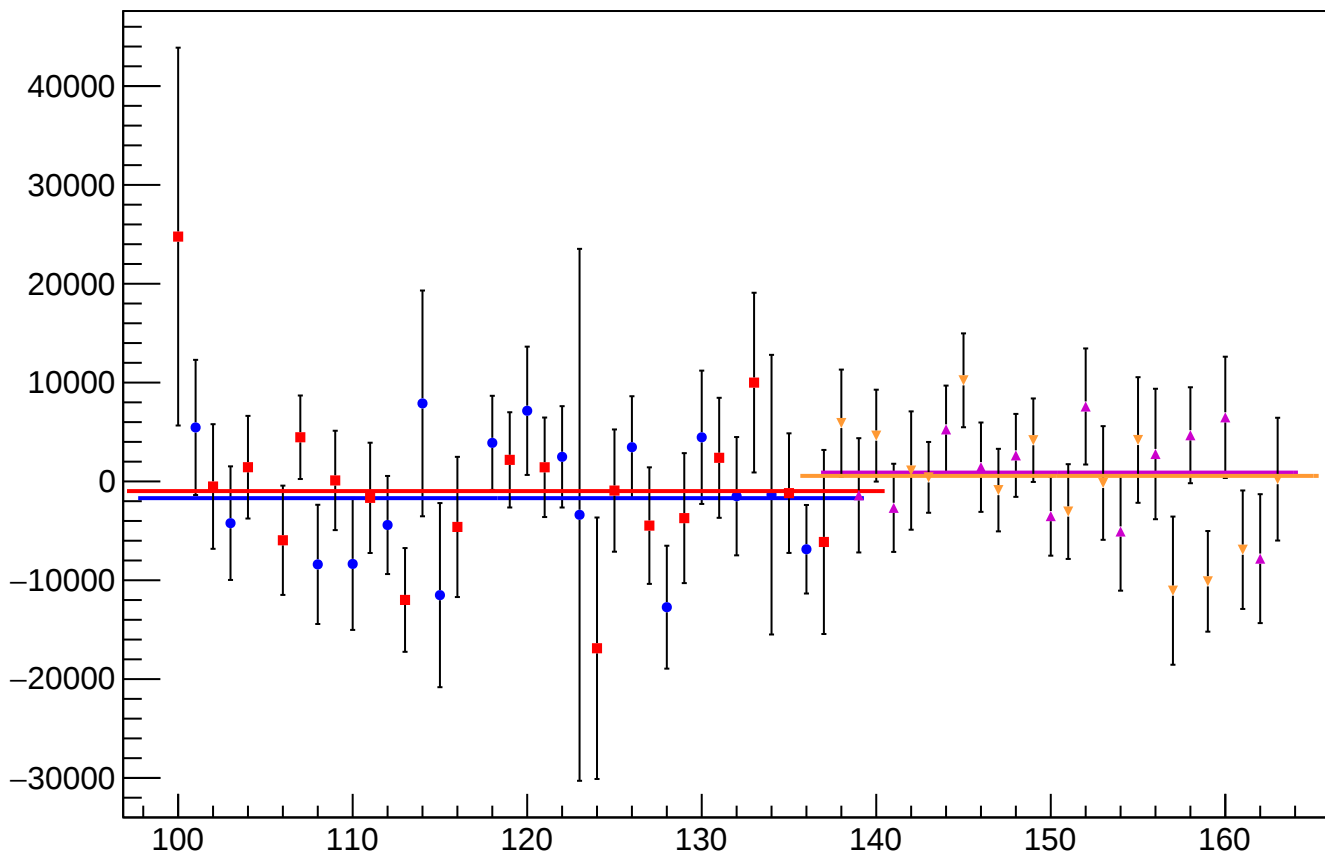
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1692.604 ± 1512.935 χ^2/NDF : 15.8/16

Left Out: 560.438 ± 1345.124 χ^2/NDF : 16.0/13

Right Out: -977.899 ± 1378.874 χ^2/NDF : 13.9/18

Left In: 895.047 ± 1456.116 χ^2/NDF : 8.8/11

Left: 714.505 ± 988.058 χ^2/NDF : 24.8/25

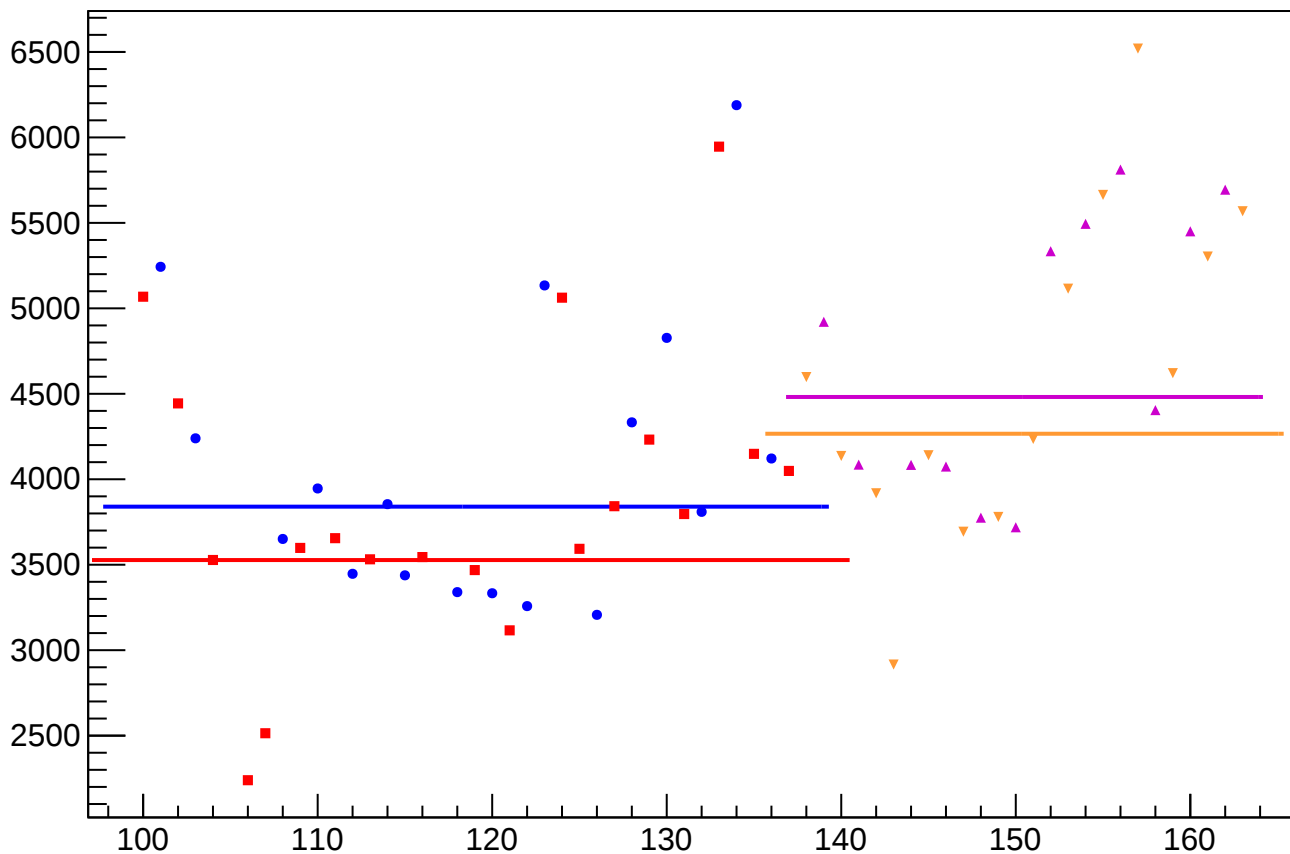
Right: -1302.190 ± 1019.117 χ^2/NDF : 29.9/35

In: -349.276 ± 1049.141 χ^2/NDF : 26.1/28

Out: -189.674 ± 962.857 χ^2/NDF : 30.6/32

All: -262.643 ± 709.389 χ^2/NDF : 56.7/61

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: 4266.314+/-0.951 χ^2/NDF : 844100.6/13

Right Out: 3527.320+/-0.966 χ^2/NDF : 554785.4/18

Left In: 4481.454+/-1.030 χ^2/NDF : 489096.4/11

Left: 4365.373+/-0.699 χ^2/NDF : 1356753.8/25

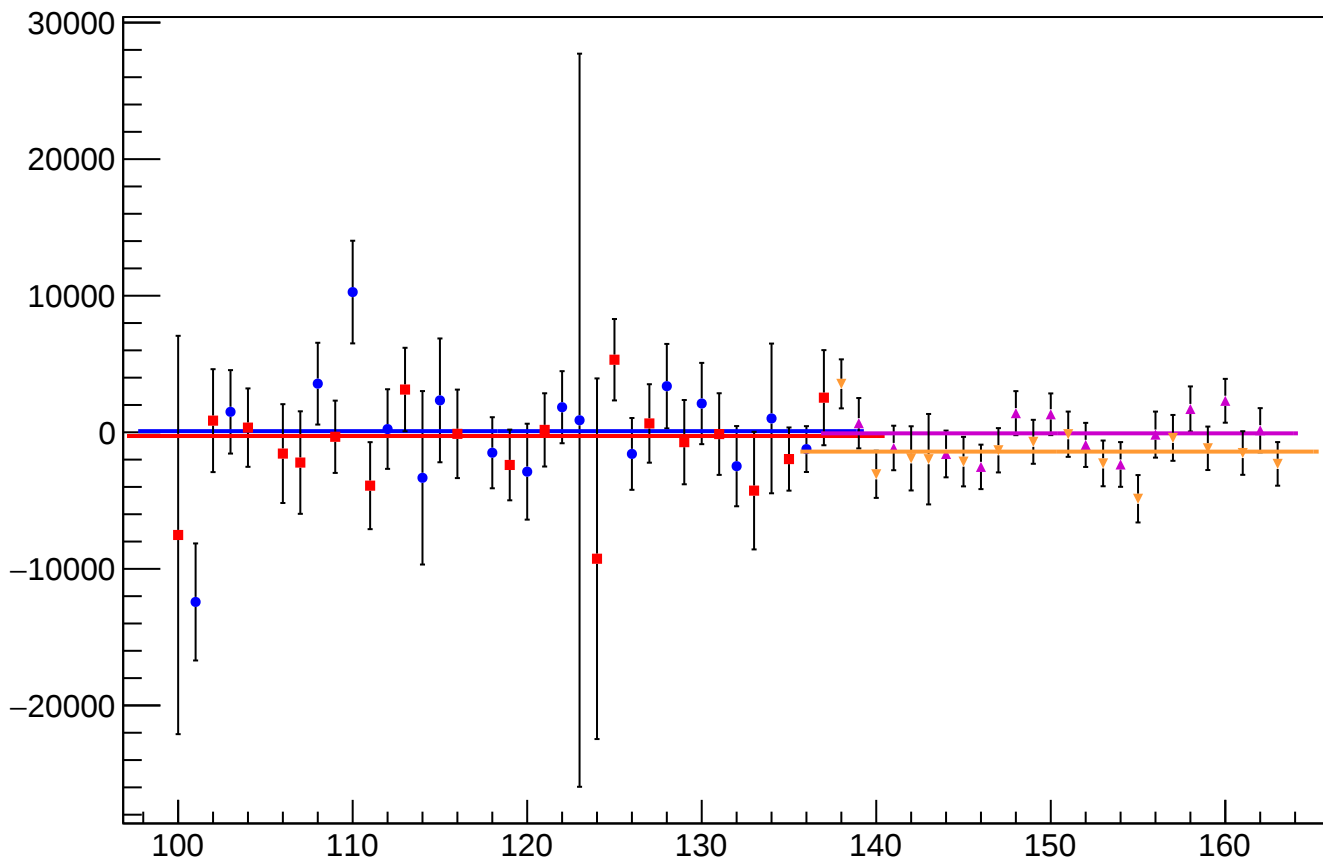
Right: 3667.674+/-0.717 χ^2/NDF : 927722.2/35

In: 4172.870+/-0.742 χ^2/NDF : 1001842.0/28

Out: 3902.600+/-0.678 χ^2/NDF : 1695989.7/32

All: 4025.567+/-0.500 χ^2/NDF : 2770172.2/63

reg_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 83.860 ± 750.549 $\chi^2/\text{NDF}: 22.9/16$

Left Out: -1414.370 ± 467.470 $\chi^2/\text{NDF}: 14.5/13$

Right Out: -272.707 ± 734.115 $\chi^2/\text{NDF}: 10.2/18$

Left In: -76.945 ± 474.101 $\chi^2/\text{NDF}: 10.9/11$

Left: -755.077 ± 332.871 $\chi^2/\text{NDF}: 29.5/25$

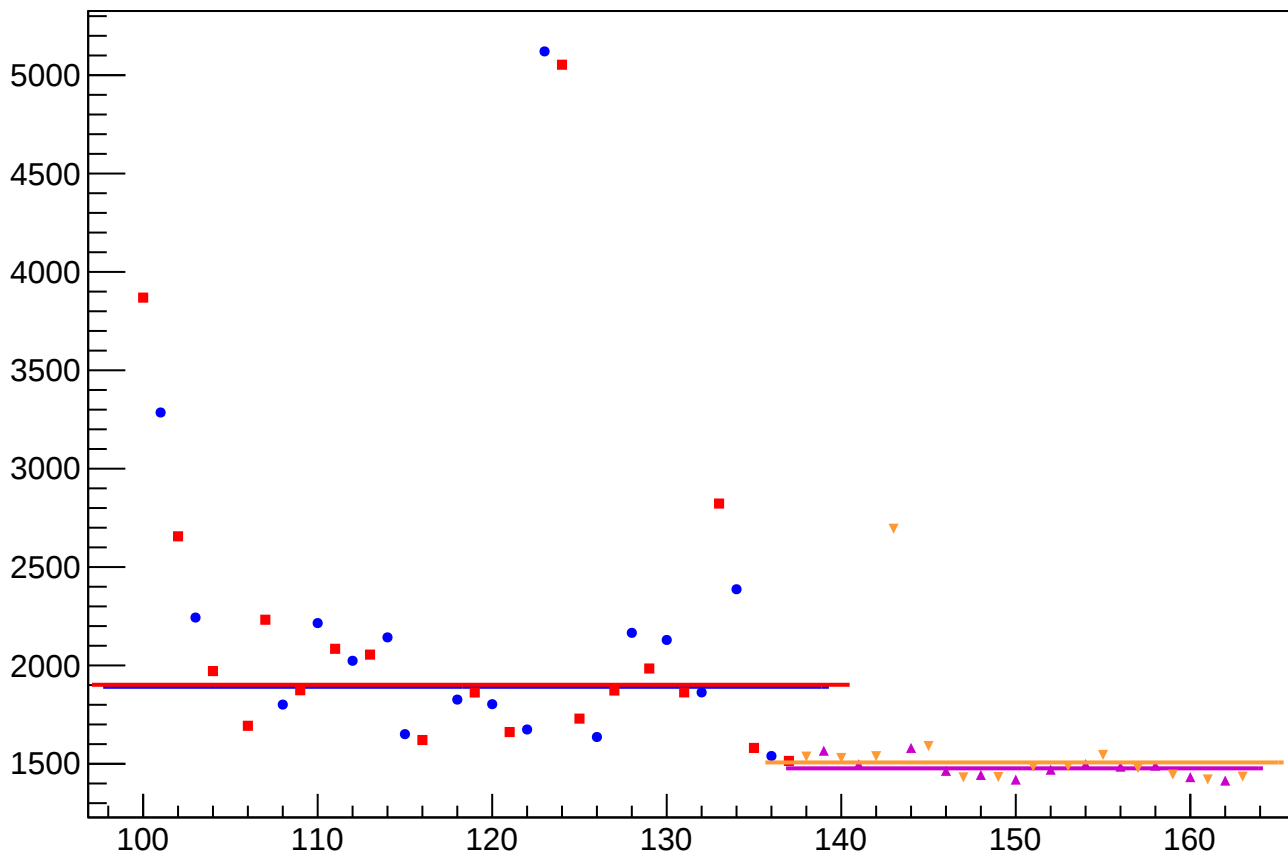
Right: -98.370 ± 524.811 $\chi^2/\text{NDF}: 33.2/35$

In: -31.082 ± 400.830 $\chi^2/\text{NDF}: 33.9/28$

Out: -1084.996 ± 394.312 $\chi^2/\text{NDF}: 26.4/32$

All: -566.678 ± 281.097 $\chi^2/\text{NDF}: 63.8/61$

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: 1506.951+/-0.331 χ^2/NDF : 286540.1/13

Right Out: 1901.797+/-0.519 χ^2/NDF : 460687.3/18

Left In: 1476.964+/-0.335 χ^2/NDF : 21285.9/11

Left: 1492.169+/-0.235 χ^2/NDF : 311882.7/25

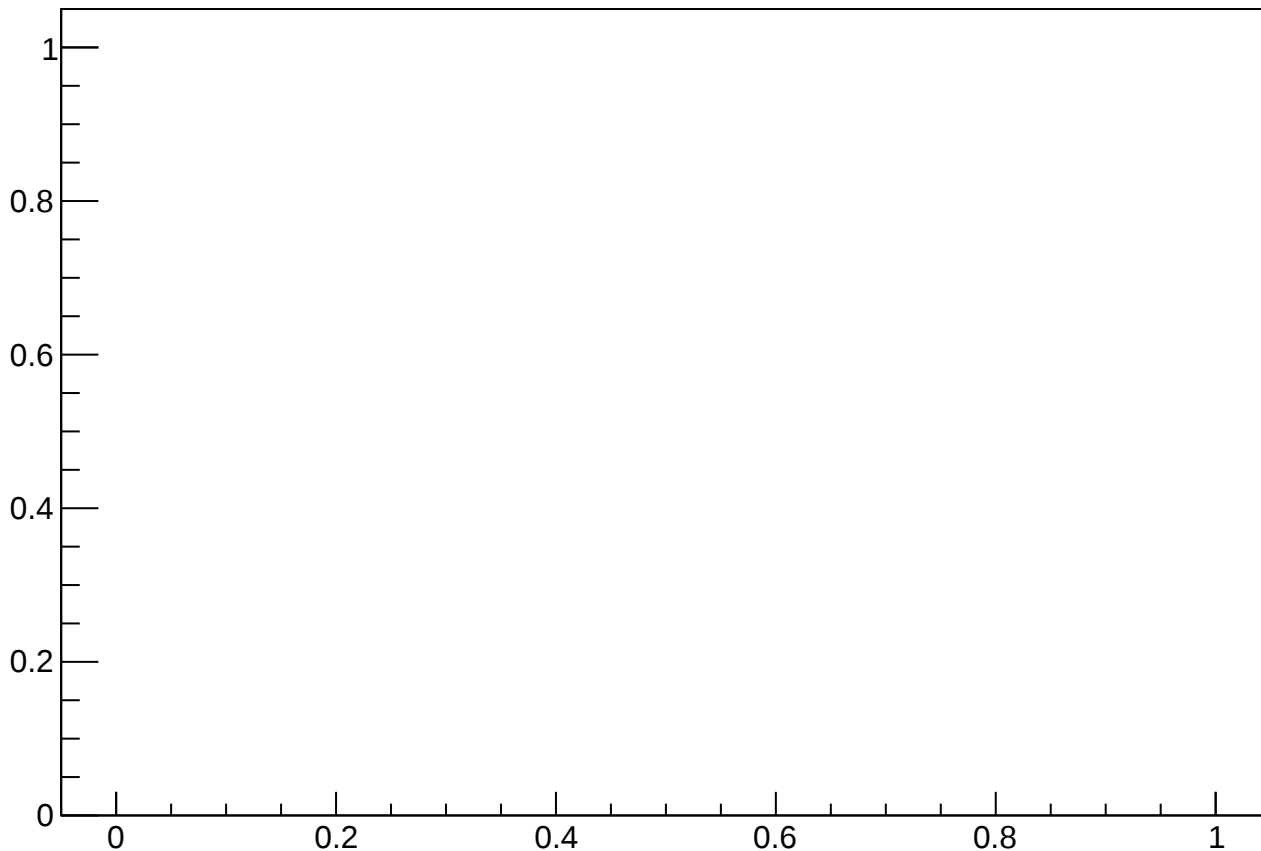
Right: 1896.759+/-0.371 χ^2/NDF : 925377.5/35

In: 1595.193+/-0.283 χ^2/NDF : 921859.6/28

Out: 1620.868+/-0.279 χ^2/NDF : 1158889.5/32

All: 1608.241+/-0.199 χ^2/NDF : 2084919.4/63

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

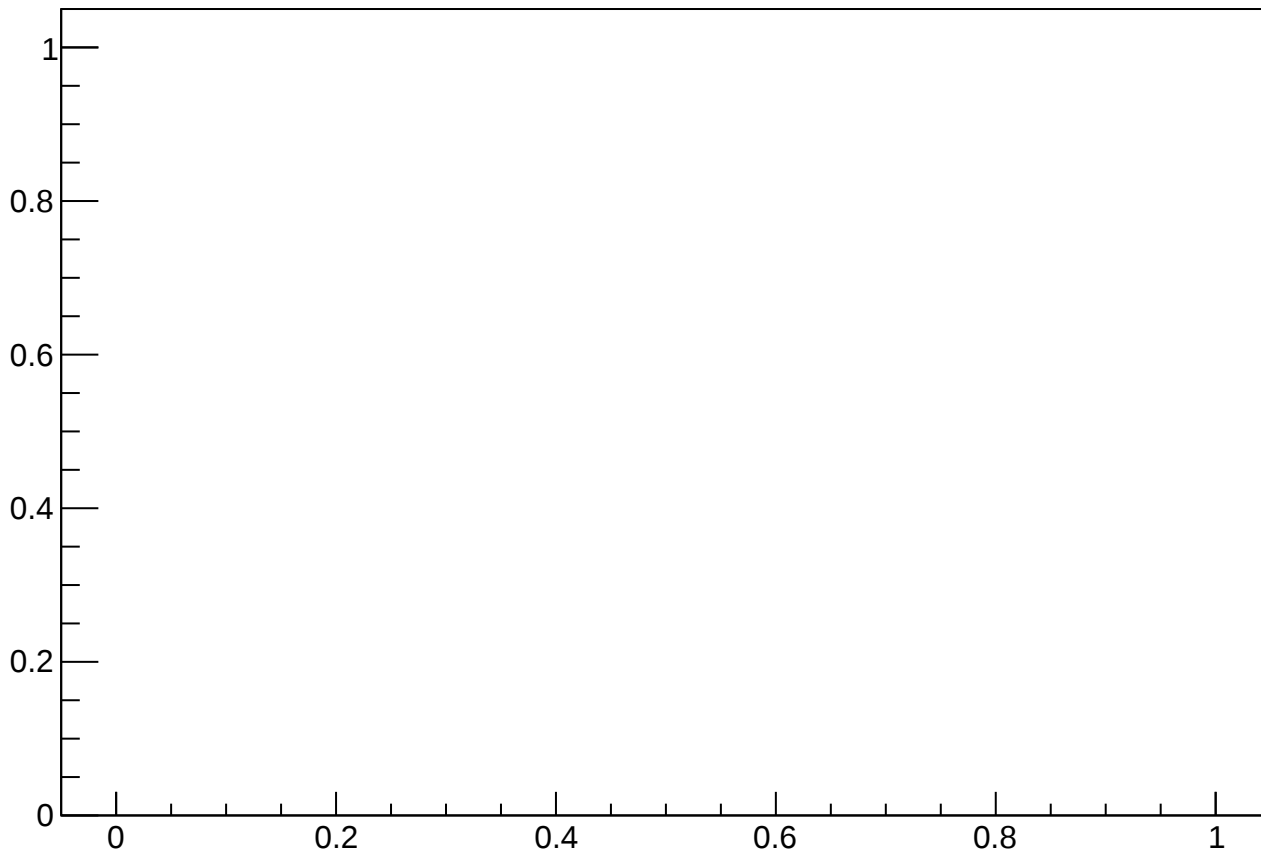
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

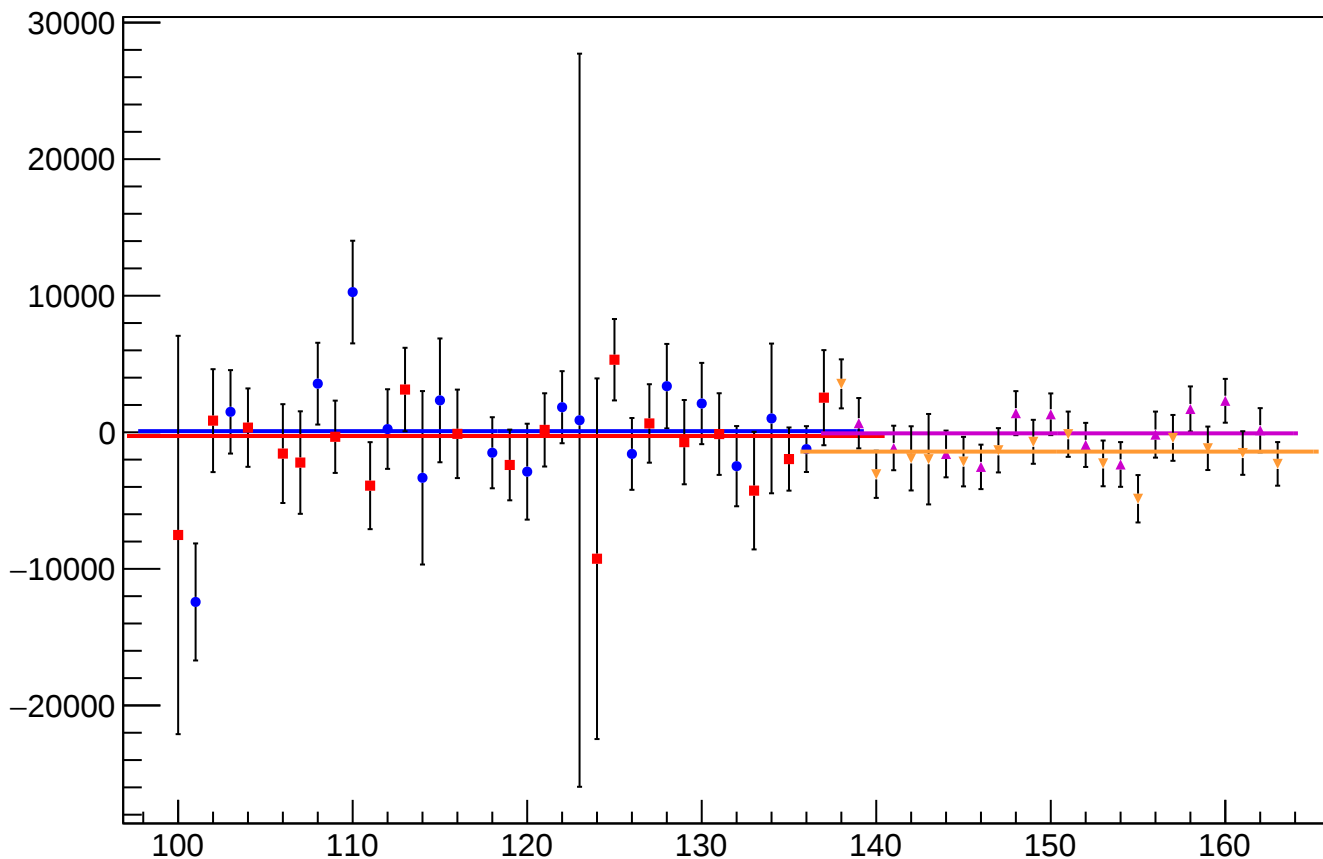
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 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 $\chi^2/\text{NDF}: 22.9/16$

Left Out: -1414.370 ± 467.470 $\chi^2/\text{NDF}: 14.5/13$

Right Out: -272.707 ± 734.115 $\chi^2/\text{NDF}: 10.2/18$

Left In: -76.945 ± 474.101 $\chi^2/\text{NDF}: 10.9/11$

Left: -755.077 ± 332.871 $\chi^2/\text{NDF}: 29.5/25$

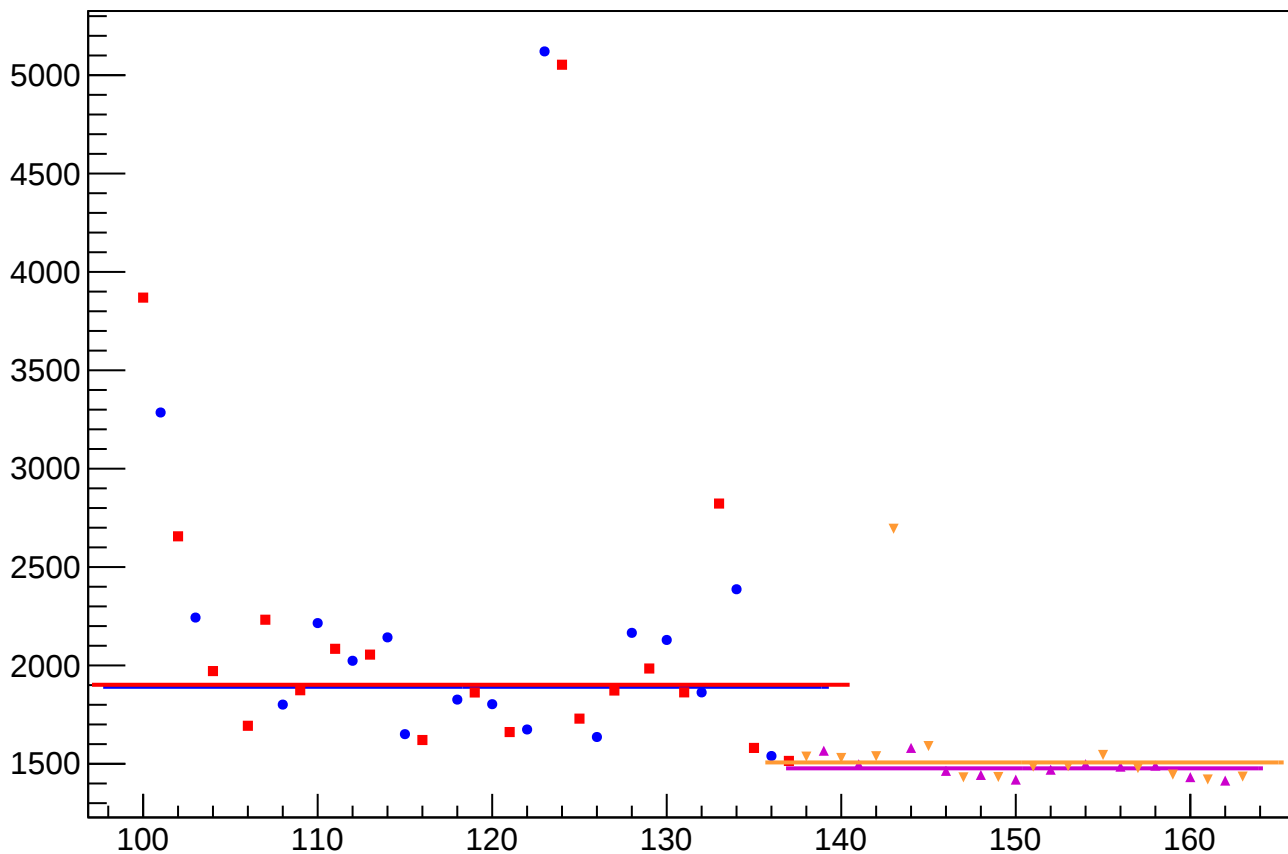
Right: -98.370 ± 524.811 $\chi^2/\text{NDF}: 33.2/35$

In: -31.082 ± 400.830 $\chi^2/\text{NDF}: 33.9/28$

Out: -1084.996 ± 394.312 $\chi^2/\text{NDF}: 26.4/32$

All: -566.678 ± 281.097 $\chi^2/\text{NDF}: 63.8/61$

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: 1506.951+/-0.331 χ^2/NDF : 286540.1/13

Right Out: 1901.797+/-0.519 χ^2/NDF : 460687.3/18

Left In: 1476.964+/-0.335 χ^2/NDF : 21285.9/11

Left: 1492.169+/-0.235 χ^2/NDF : 311882.7/25

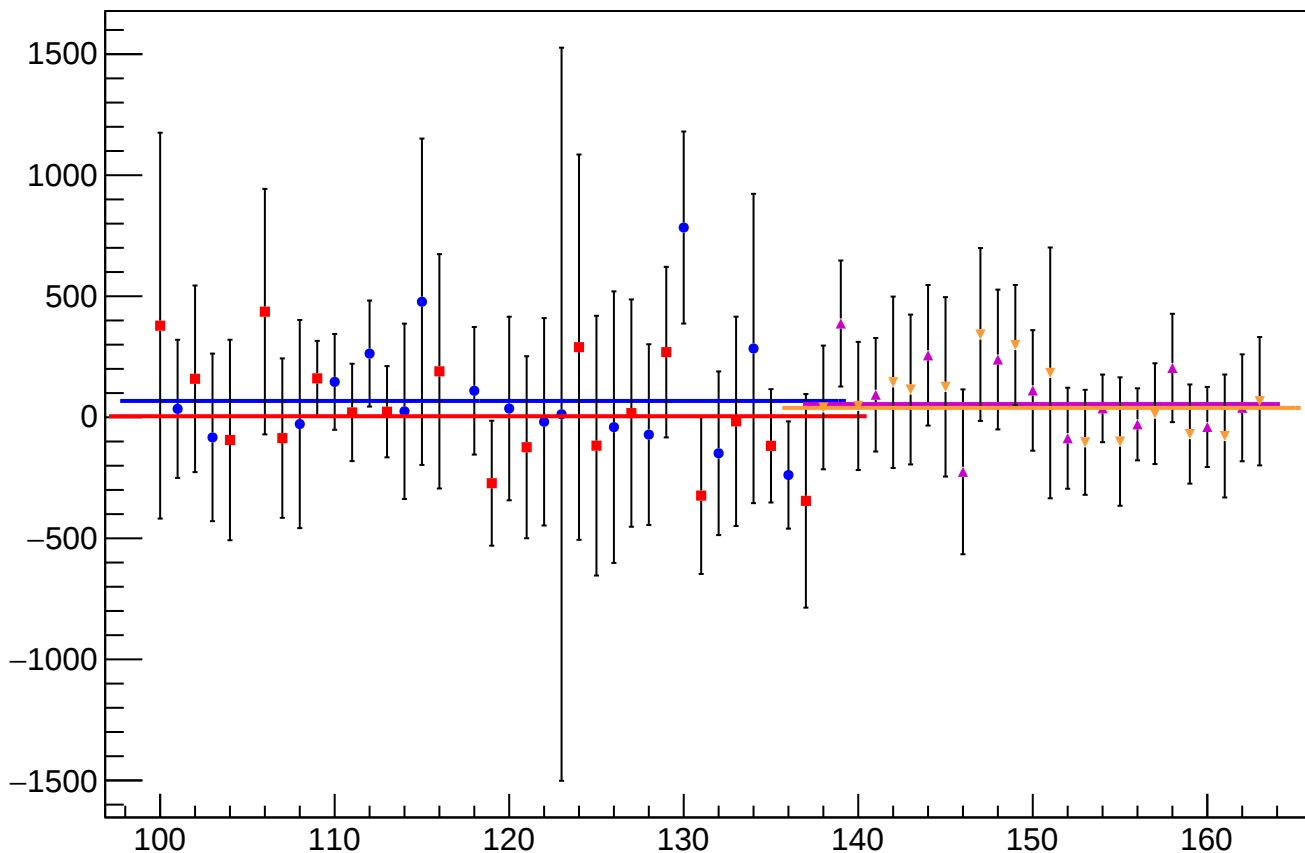
Right: 1896.759+/-0.371 χ^2/NDF : 925377.5/35

In: 1595.193+/-0.283 χ^2/NDF : 921859.6/28

Out: 1620.868+/-0.279 χ^2/NDF : 1158889.5/32

All: 1608.241+/-0.199 χ^2/NDF : 2084919.4/63

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.542+/-79.608 χ^2/NDF : 7.5/16

Left Out: 38.931+/-71.565 χ^2/NDF : 3.3/13

Right Out: 4.423+/-70.009 χ^2/NDF : 6.4/18

Left In: 54.585+/-59.987 χ^2/NDF : 4.8/11

Left: 48.126+/-45.973 χ^2/NDF : 8.2/25

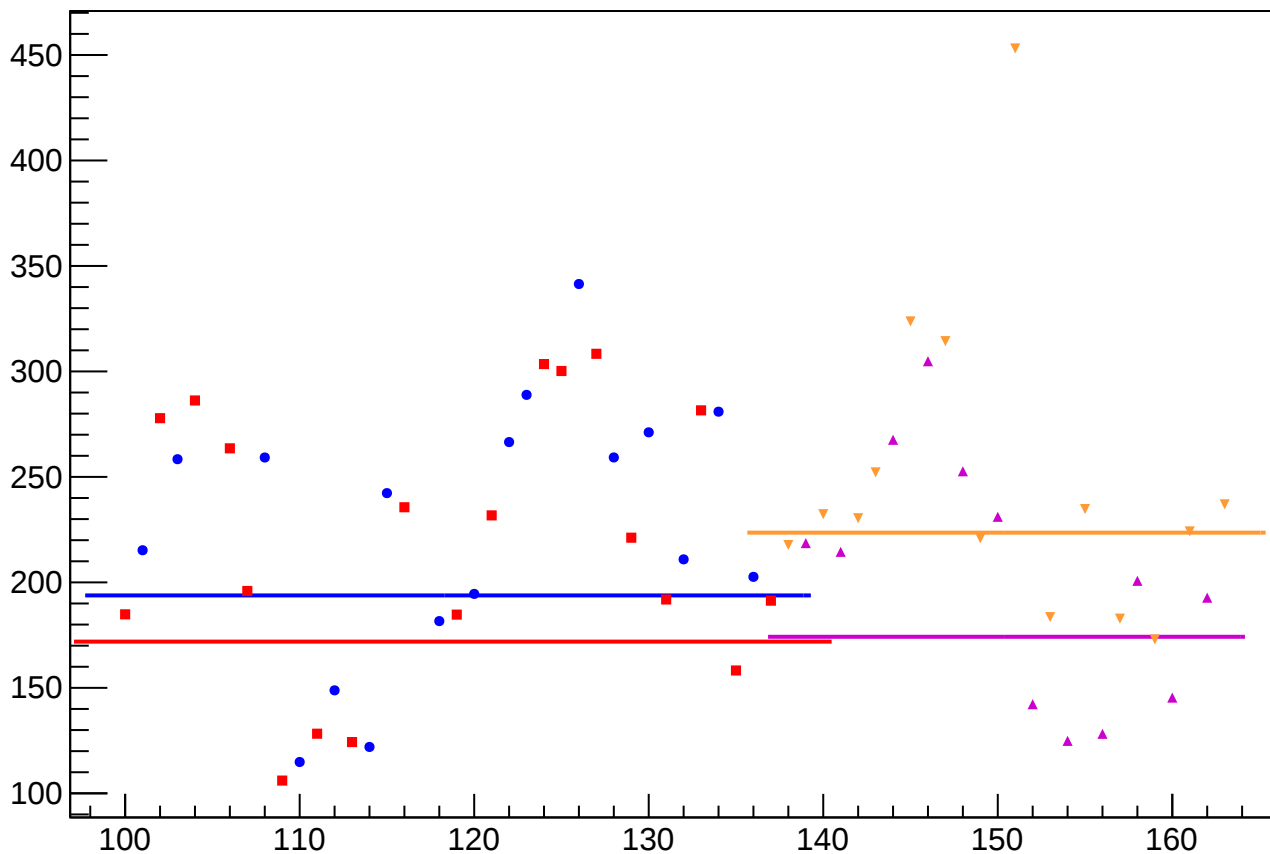
Right: 31.949+/-52.572 χ^2/NDF : 14.2/35

In: 59.278+/-47.908 χ^2/NDF : 12.4/28

Out: 21.298+/-50.045 χ^2/NDF : 9.8/32

All: 41.116+/-34.607 χ^2/NDF : 22.5/61

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 223.583 $\pm$ 0.051 χ^2 /NDF: 965117.1/13

Right Out: 171.920 $\pm$ 0.050 χ^2 /NDF: 1577076.0/18

Left In: 174.213 $\pm$ 0.042 χ^2 /NDF: 1460723.2/11

Left: 194.586 $\pm$ 0.033 χ^2 /NDF: 2984869.2/25

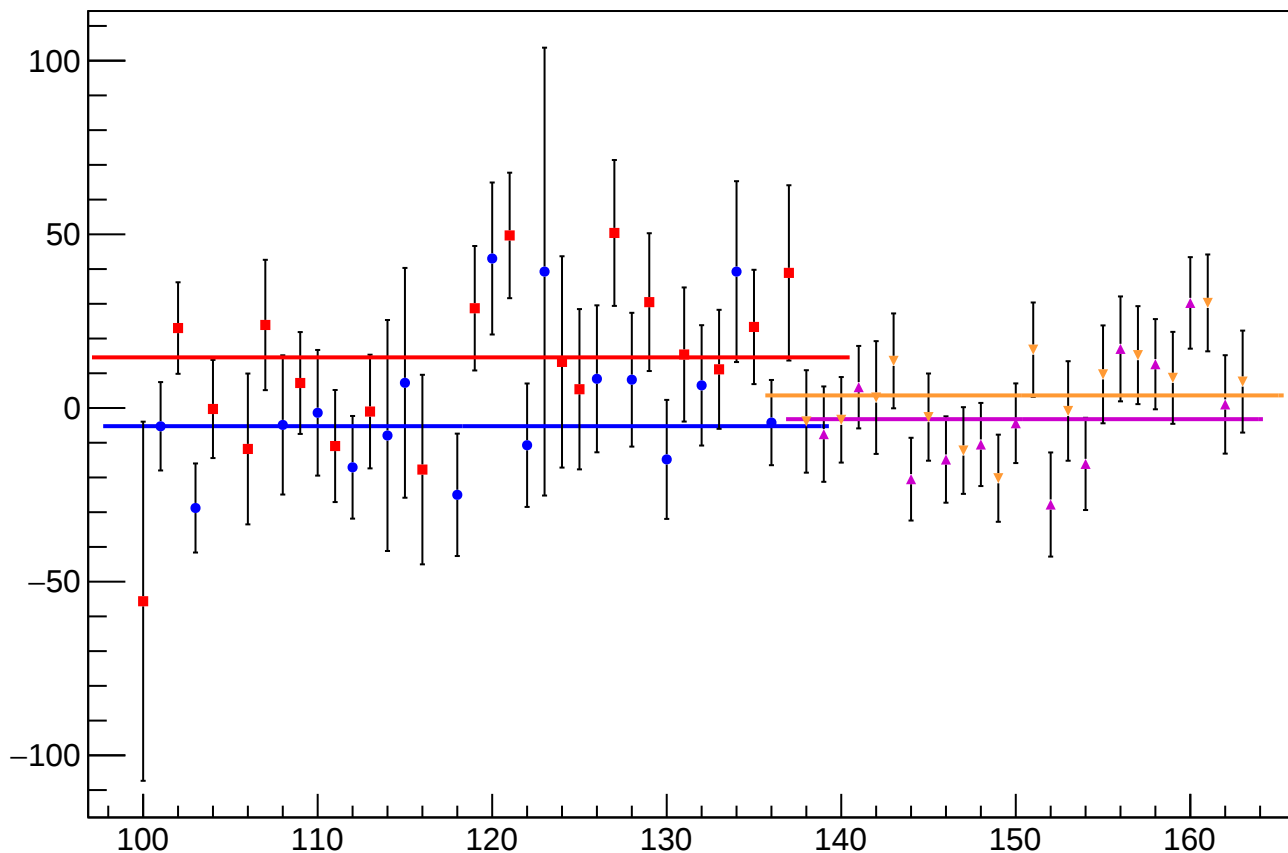
Right: 181.469 $\pm$ 0.037 χ^2 /NDF: 2672713.5/35

In: 181.313 $\pm$ 0.034 χ^2 /NDF: 2548391.1/28

Out: 197.184 $\pm$ 0.035 χ^2 /NDF: 3074789.5/32

All: 188.902 $\pm$ 0.024 χ^2 /NDF: 5728144.7/61

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.231 ± 4.356 $\chi^2/\text{NDF}: 15.5/16$

Left Out: 3.624 ± 3.644 $\chi^2/\text{NDF}: 12.4/13$

Right Out: 14.579 ± 4.265 $\chi^2/\text{NDF}: 19.5/18$

Left In: -3.214 ± 3.735 $\chi^2/\text{NDF}: 17.5/11$

Left: 0.289 ± 2.608 $\chi^2/\text{NDF}: 31.6/25$

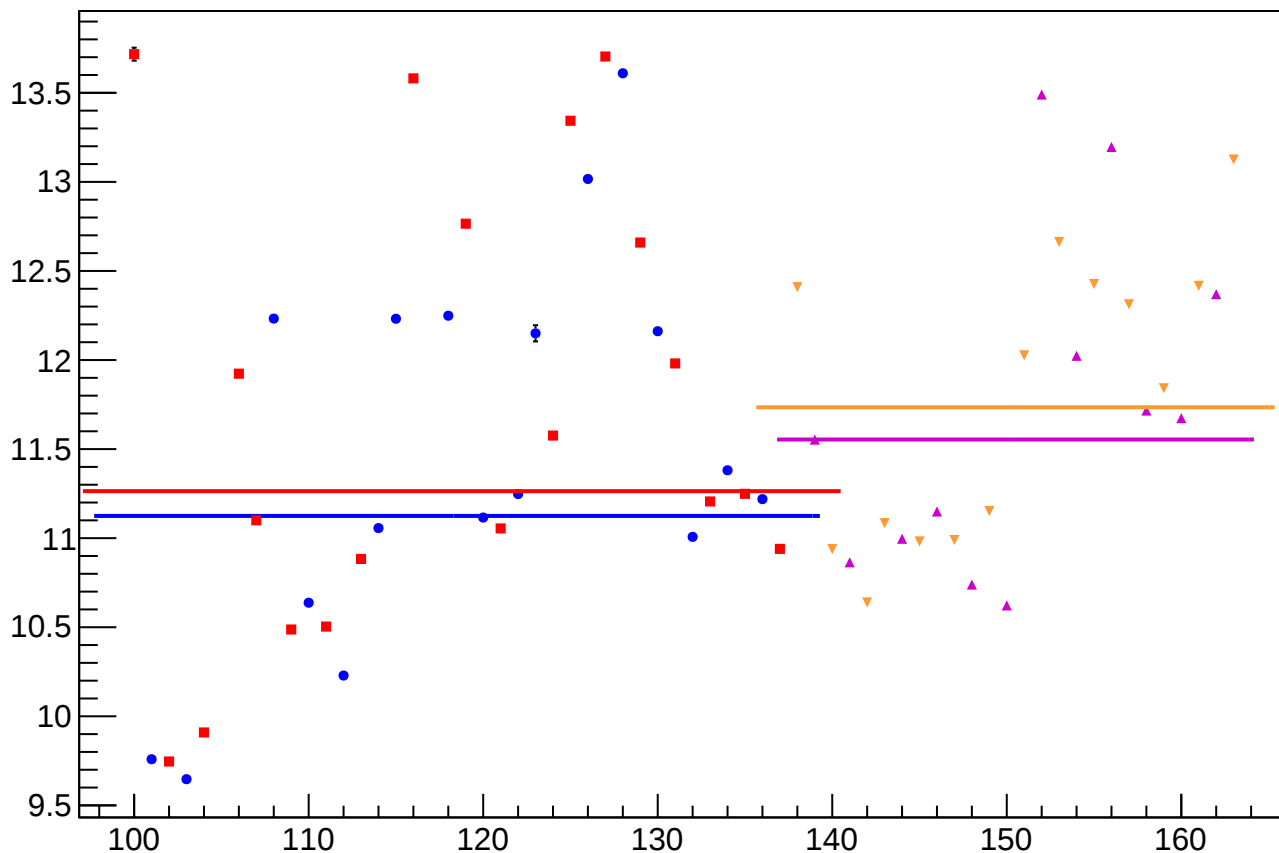
Right: 4.883 ± 3.047 $\chi^2/\text{NDF}: 45.6/35$

In: -4.069 ± 2.835 $\chi^2/\text{NDF}: 33.1/28$

Out: 8.247 ± 2.770 $\chi^2/\text{NDF}: 35.7/32$

All: 2.232 ± 1.982 $\chi^2/\text{NDF}: 78.5/61$

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: 11.735 $\pm$ 0.003 χ^2 /NDF:85186.4/13

Right Out: 11.264 $\pm$ 0.003 χ^2 /NDF: 147733.2/18

Left In: 11.554 $\pm$ 0.003 χ^2 /NDF:102323.1/11

Left: 11.647 $\pm$ 0.002 χ^2 /NDF: 189918.1/25

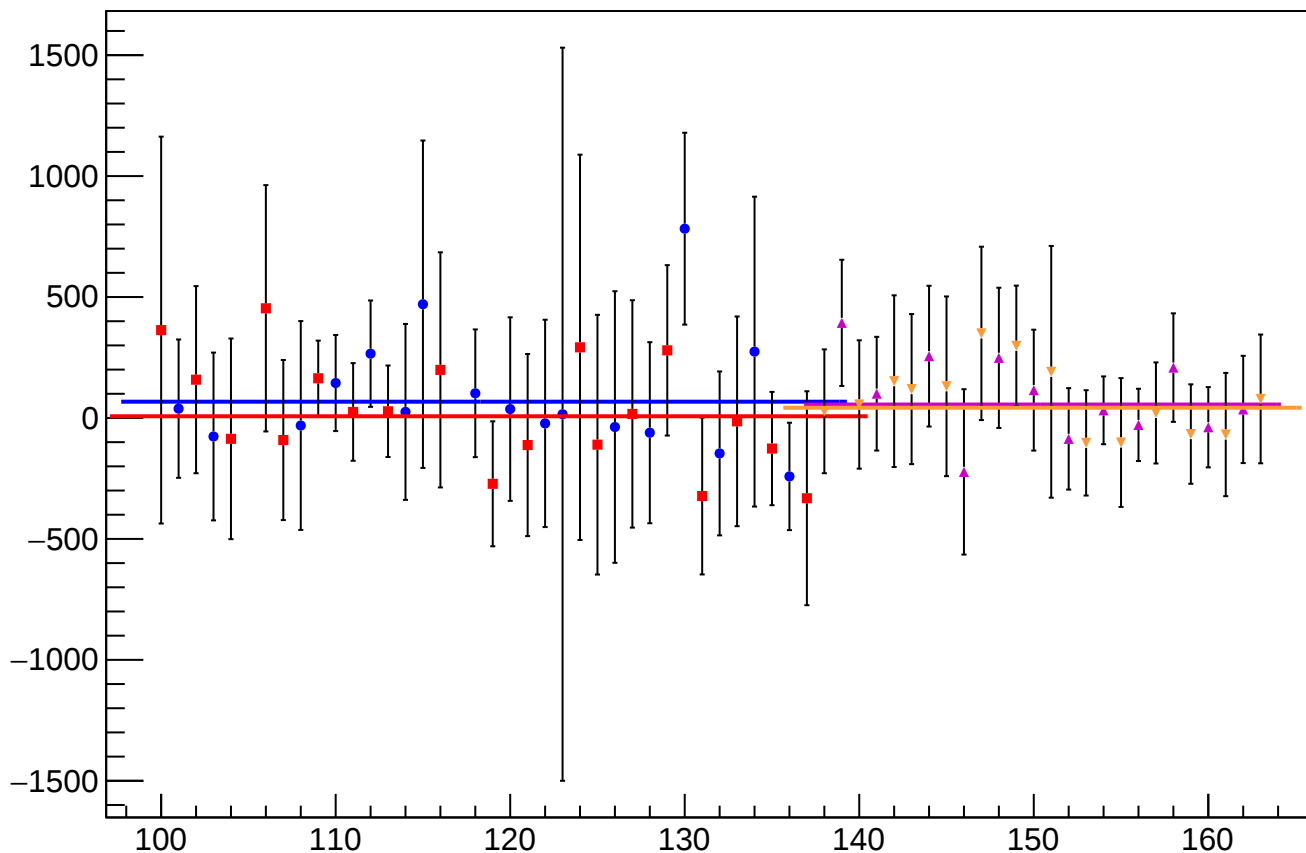
Right: 11.196 $\pm$ 0.002 χ^2 /NDF: 281295.0/35

In: 11.372 $\pm$ 0.002 χ^2 /NDF:246021.9/28

Out: 11.536 $\pm$ 0.002 χ^2 /NDF:247015.3/32

All: 11.456 $\pm$ 0.001 χ^2 /NDF: 496466.3/61

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.305+/-79.817 χ^2/NDF : 7.5/16

Left Out: 42.334+/-71.810 χ^2/NDF : 3.3/13

Right Out: 7.039+/-70.212 χ^2/NDF : 6.4/18

Left In: 55.565+/-60.188 χ^2/NDF : 4.9/11

Left: 50.106+/-46.128 χ^2/NDF : 8.3/25

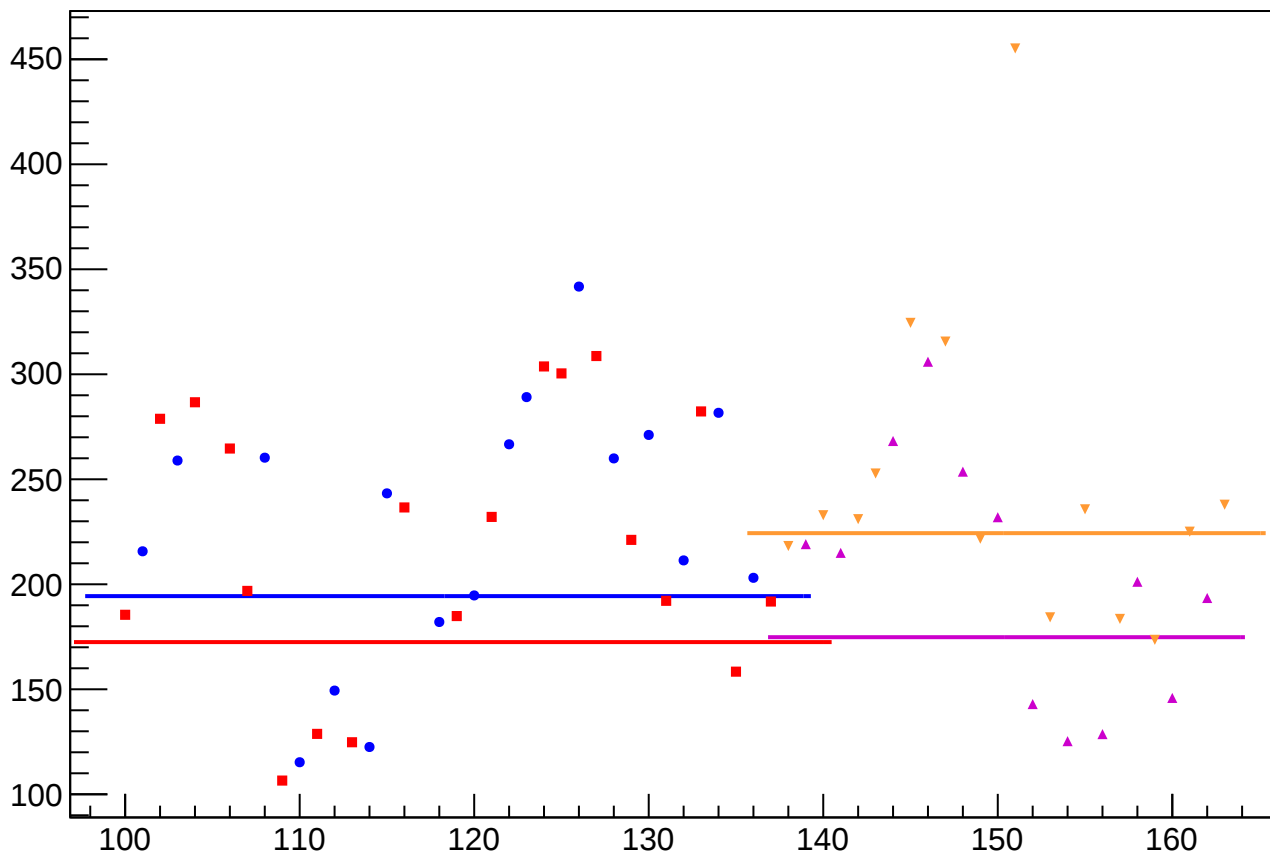
Right: 33.329+/-52.718 χ^2/NDF : 14.2/35

In: 59.821+/-48.056 χ^2/NDF : 12.4/28

Out: 24.289+/-50.203 χ^2/NDF : 9.9/32

All: 42.831+/-34.715 χ^2/NDF : 22.6/61

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: 224.349+/-0.051 χ^2/NDF : 964468.9/13

Right Out: 172.471+/-0.050 χ^2/NDF : 1569648.4/18

Left In: 174.807+/-0.043 χ^2/NDF : 1458453.8/11

Left: 195.250+/-0.033 χ^2/NDF : 2982050.7/25

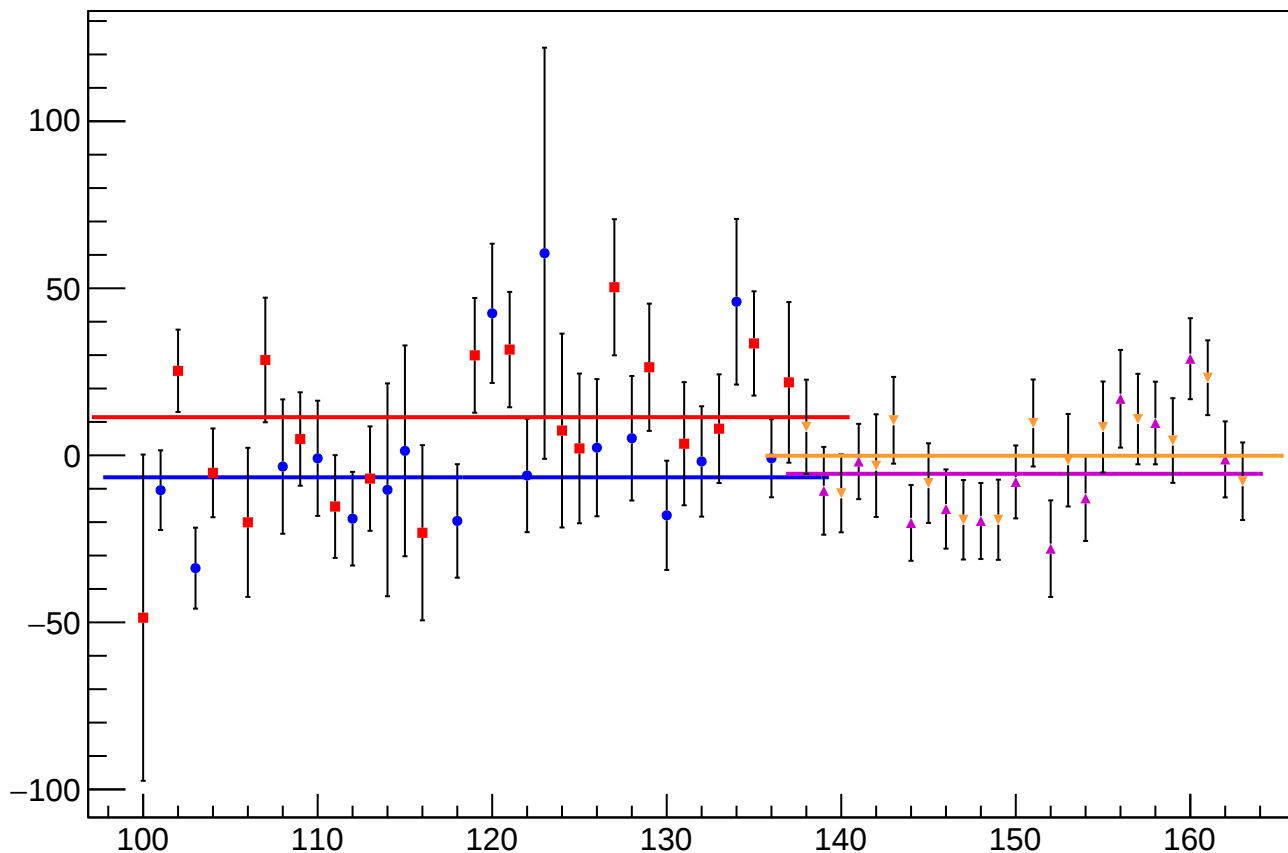
Right: 182.022+/-0.037 χ^2/NDF : 2659717.0/35

In: 181.897+/-0.034 χ^2/NDF : 2540240.1/28

Out: 197.827+/-0.035 χ^2/NDF : 3067762.3/32

All: 189.514+/-0.025 χ^2/NDF : 5713081.2/61

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: -0.119 ± 3.387 $\chi^2/\text{NDF}: 14.2/13$

Right Out: 11.423 ± 4.080 $\chi^2/\text{NDF}: 23.0/18$

Left In: -5.524 ± 3.506 $\chi^2/\text{NDF}: 19.1/11$

Left: -2.728 ± 2.436 $\chi^2/\text{NDF}: 34.6/25$

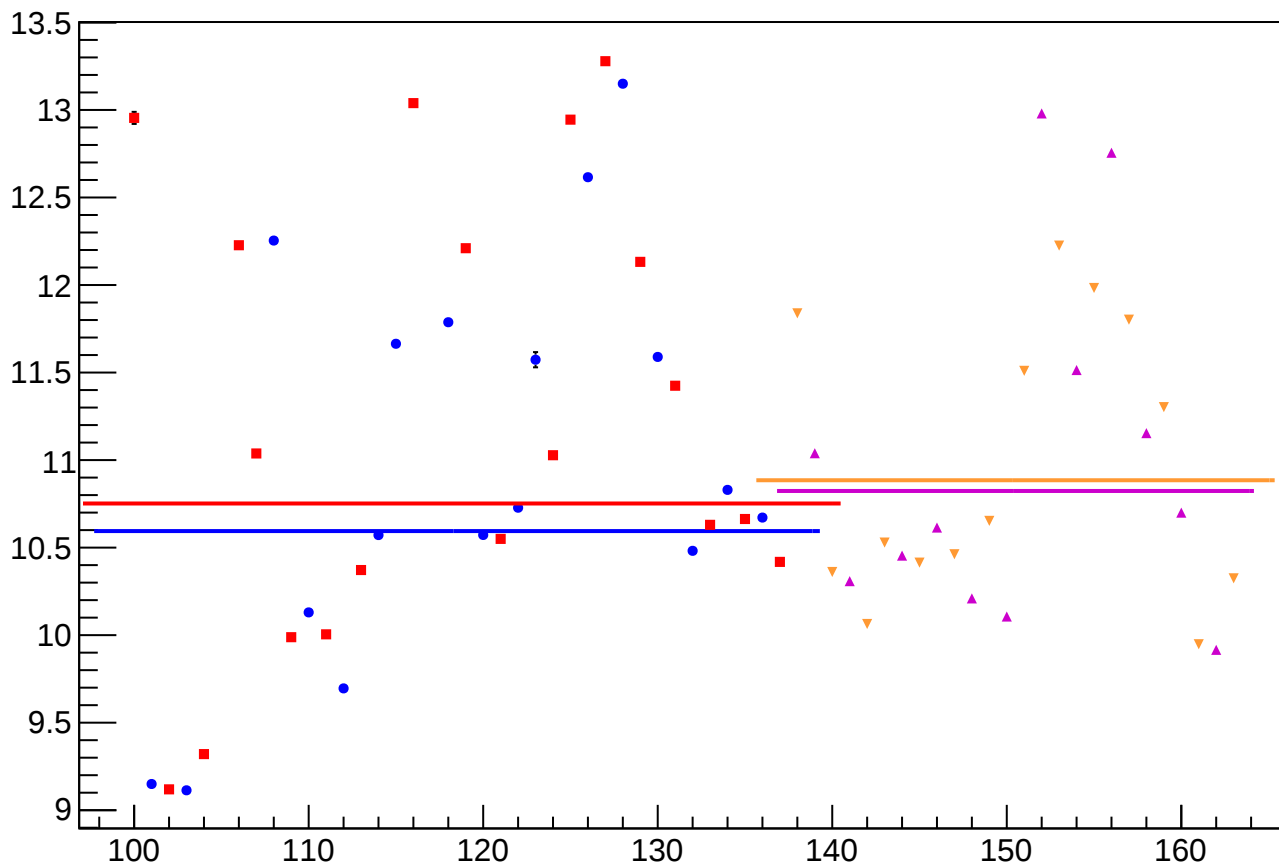
Right: 2.593 ± 2.912 $\chi^2/\text{NDF}: 51.8/35$

In: -5.961 ± 2.680 $\chi^2/\text{NDF}: 38.5/28$

Out: 4.590 ± 2.606 $\chi^2/\text{NDF}: 41.9/32$

All: -0.537 ± 1.868 $\chi^2/\text{NDF}: 88.4/61$

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: 10.885 $\pm$ 0.002 χ^2 /NDF: 93121.1/13

Right Out: 10.752 $\pm$ 0.003 χ^2 /NDF: 177173.0/18

Left In: 10.824 $\pm$ 0.002 χ^2 /NDF: 121568.1/11

Left: 10.855 $\pm$ 0.002 χ^2 /NDF: 215005.2/25

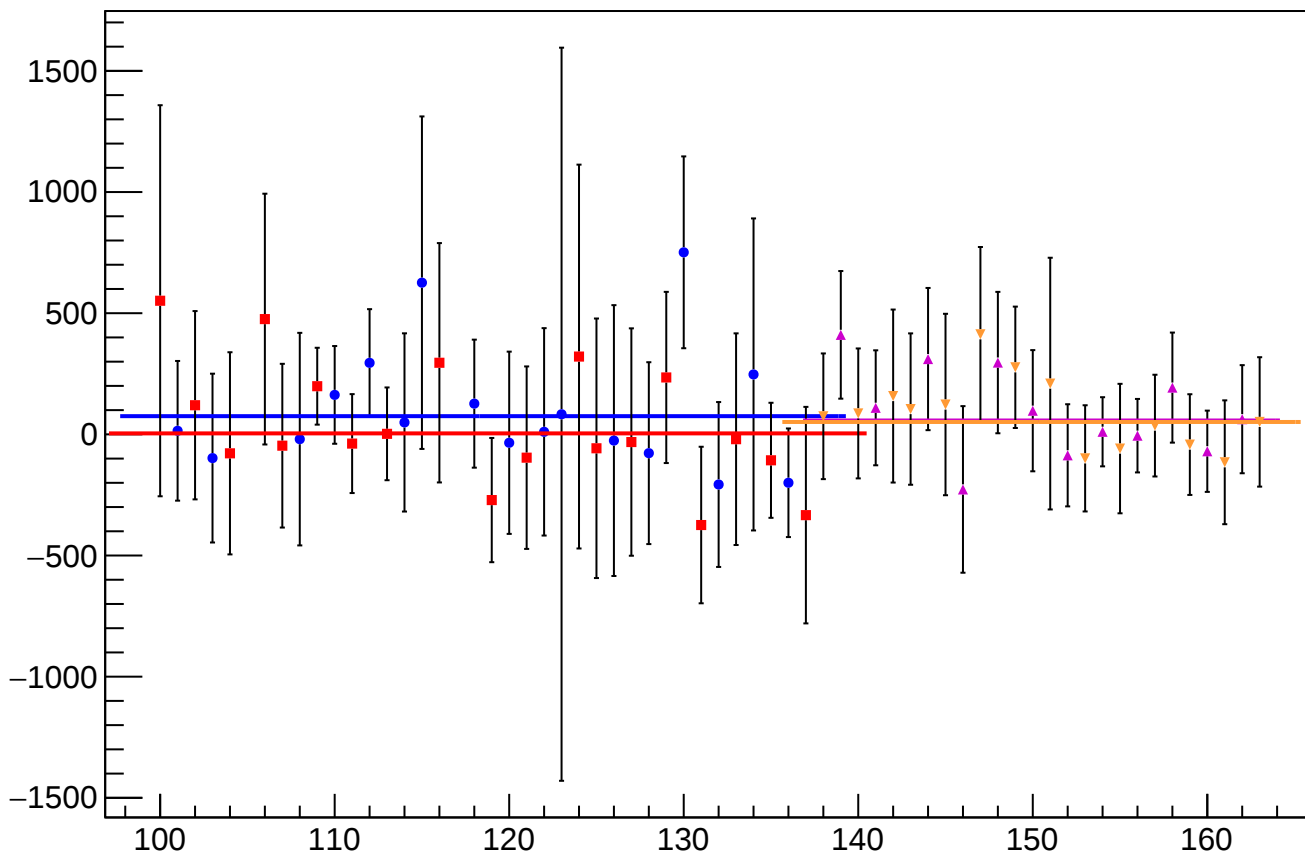
Right: 10.675 $\pm$ 0.002 χ^2 /NDF: 338695.4/35

In: 10.728 $\pm$ 0.002 χ^2 /NDF: 285175.4/28

Out: 10.831 $\pm$ 0.002 χ^2 /NDF: 271548.3/32

All: 10.781 $\pm$ 0.001 χ^2 /NDF: 558221.9/61

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 75.086+/-80.352 χ^2/NDF : 7.7/16

Left Out: 51.105+/-72.286 χ^2/NDF : 3.4/13

Right Out: 3.999+/-70.883 χ^2/NDF : 7.3/18

Left In: 57.191+/-60.843 χ^2/NDF : 5.7/11

Left: 54.667+/-46.549 χ^2/NDF : 9.0/25

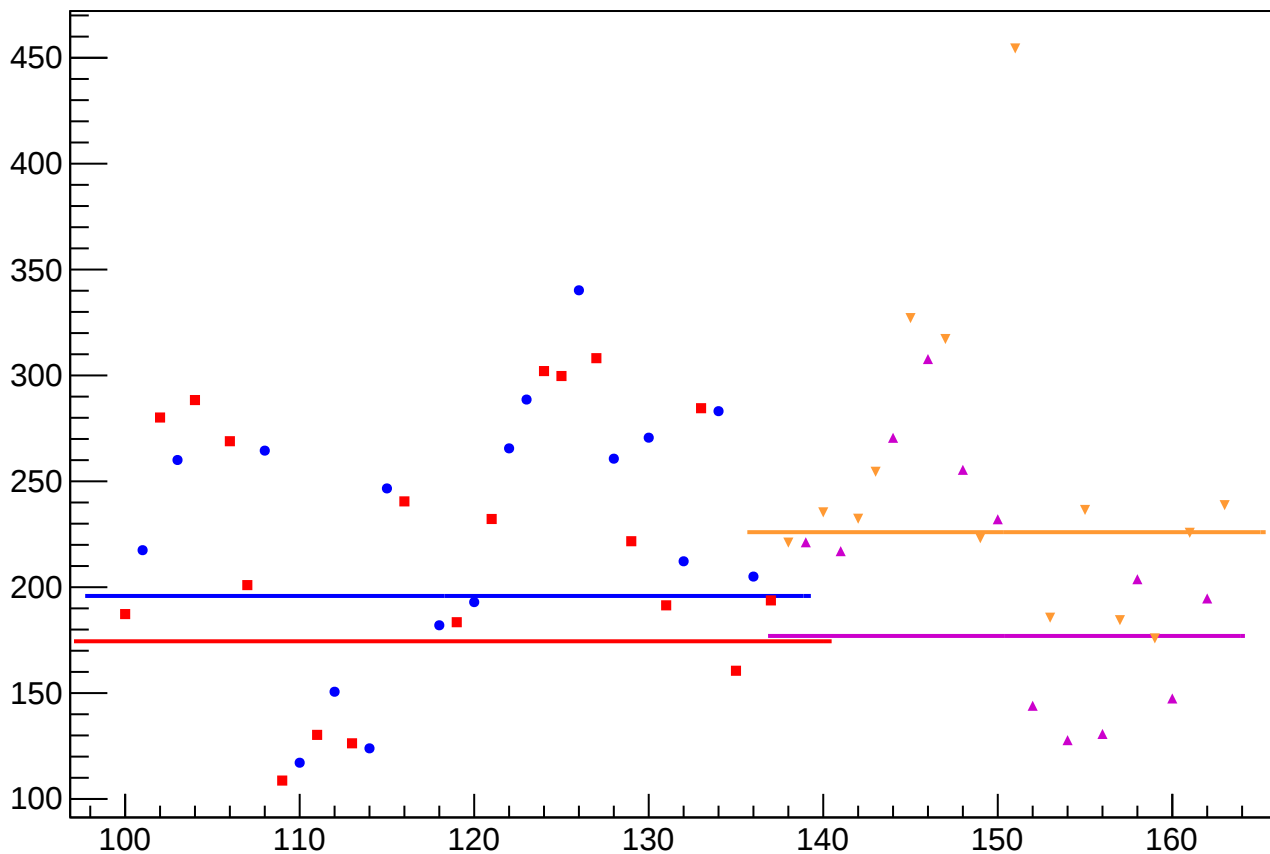
Right: 35.109+/-53.156 χ^2/NDF : 15.5/35

In: 63.712+/-48.506 χ^2/NDF : 13.4/28

Out: 27.090+/-50.610 χ^2/NDF : 10.9/32

All: 46.179+/-35.019 χ^2/NDF : 24.6/61

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: 225.989 $\pm$ 0.051 χ^2 /NDF:952122.7/13

Right Out: 174.465 $\pm$ 0.050 χ^2 /NDF: 1528778.5/18

Left In: 176.985 $\pm$ 0.043 χ^2 /NDF:1423253.9/11

Left: 197.306 $\pm$ 0.033 χ^2 /NDF: 2913369.7/25

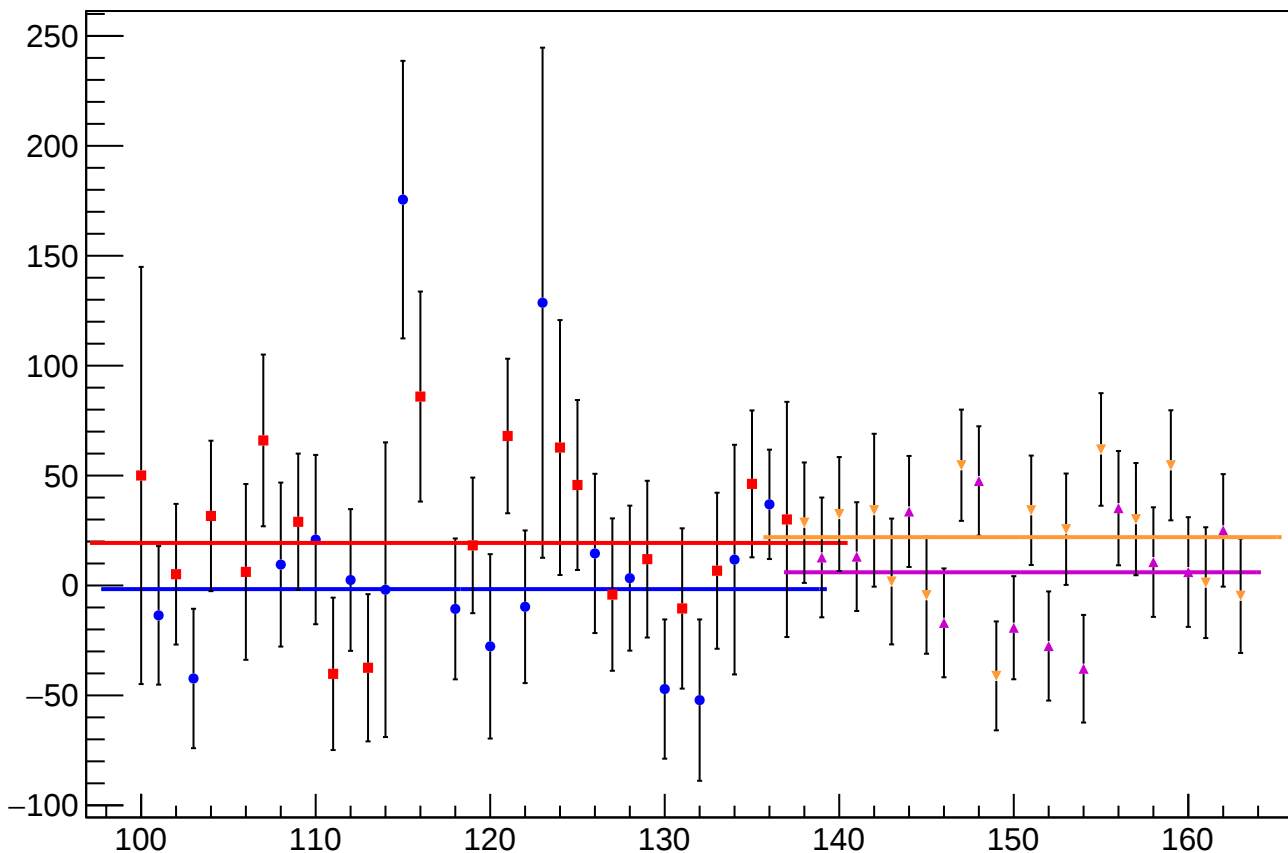
Right: 183.832 $\pm$ 0.038 χ^2 /NDF: 2587830.9/35

In: 183.867 $\pm$ 0.034 χ^2 /NDF:2472708.4/28

Out: 199.722 $\pm$ 0.036 χ^2 /NDF:2998907.9/32

All: 191.458 $\pm$ 0.025 χ^2 /NDF: 5573930.1/61

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: 21.986 ± 7.010 χ^2/NDF : 16.2/13

Right Out: 19.357 ± 8.556 χ^2/NDF : 14.8/18

Left In: 6.006 ± 7.232 χ^2/NDF : 13.0/11

Left: 14.244 ± 5.033 χ^2/NDF : 31.8/25

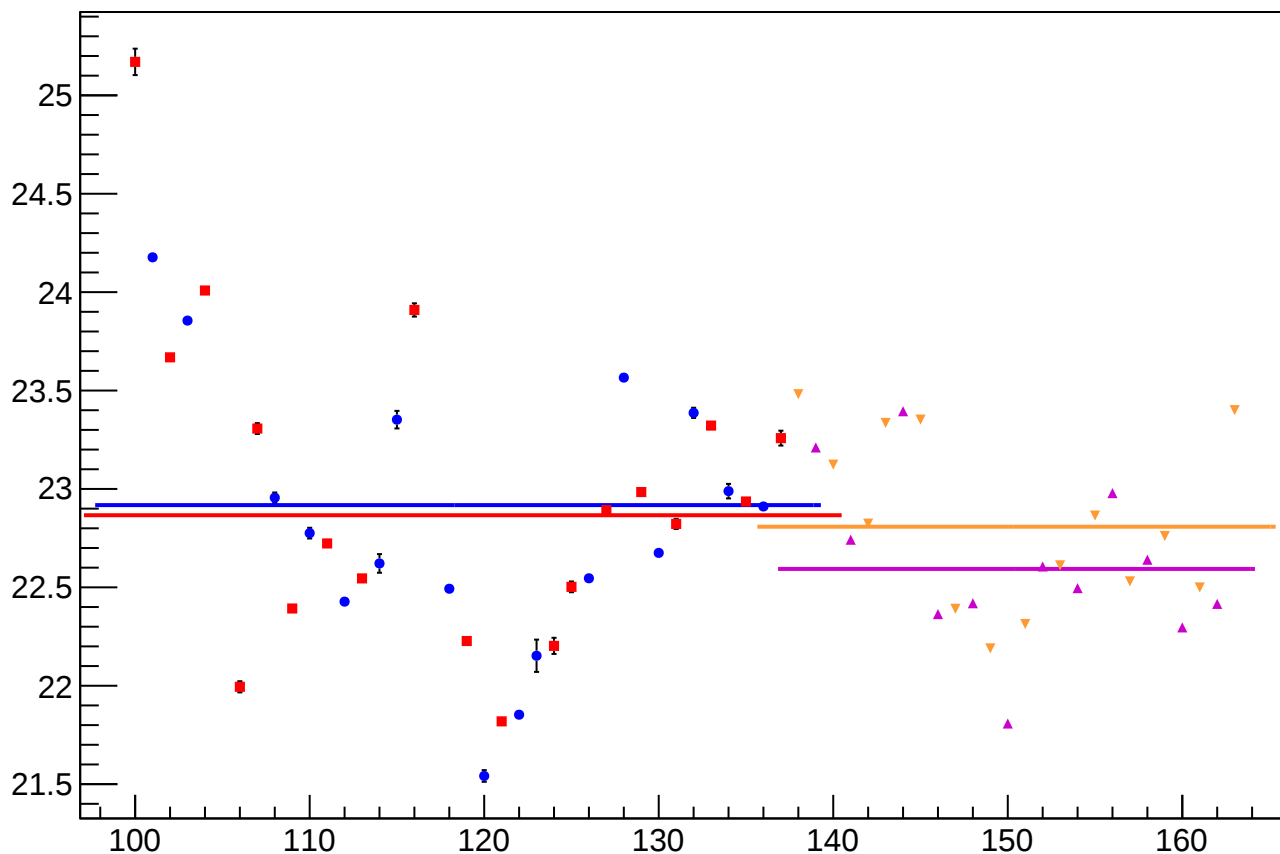
Right: 9.244 ± 6.162 χ^2/NDF : 36.2/35

In: 2.952 ± 5.608 χ^2/NDF : 32.0/28

Out: 20.930 ± 5.422 χ^2/NDF : 31.0/32

All: 12.243 ± 3.898 χ^2/NDF : 68.4/61

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: 22.808 $\pm$ 0.005 χ^2 /NDF: 7306.9/13

Right Out: 22.866 $\pm$ 0.006 χ^2 /NDF: 11052.6/18

Left In: 22.594 $\pm$ 0.005 χ^2 /NDF: 6481.6/11

Left: 22.704 $\pm$ 0.004 χ^2 /NDF: 14696.1/25

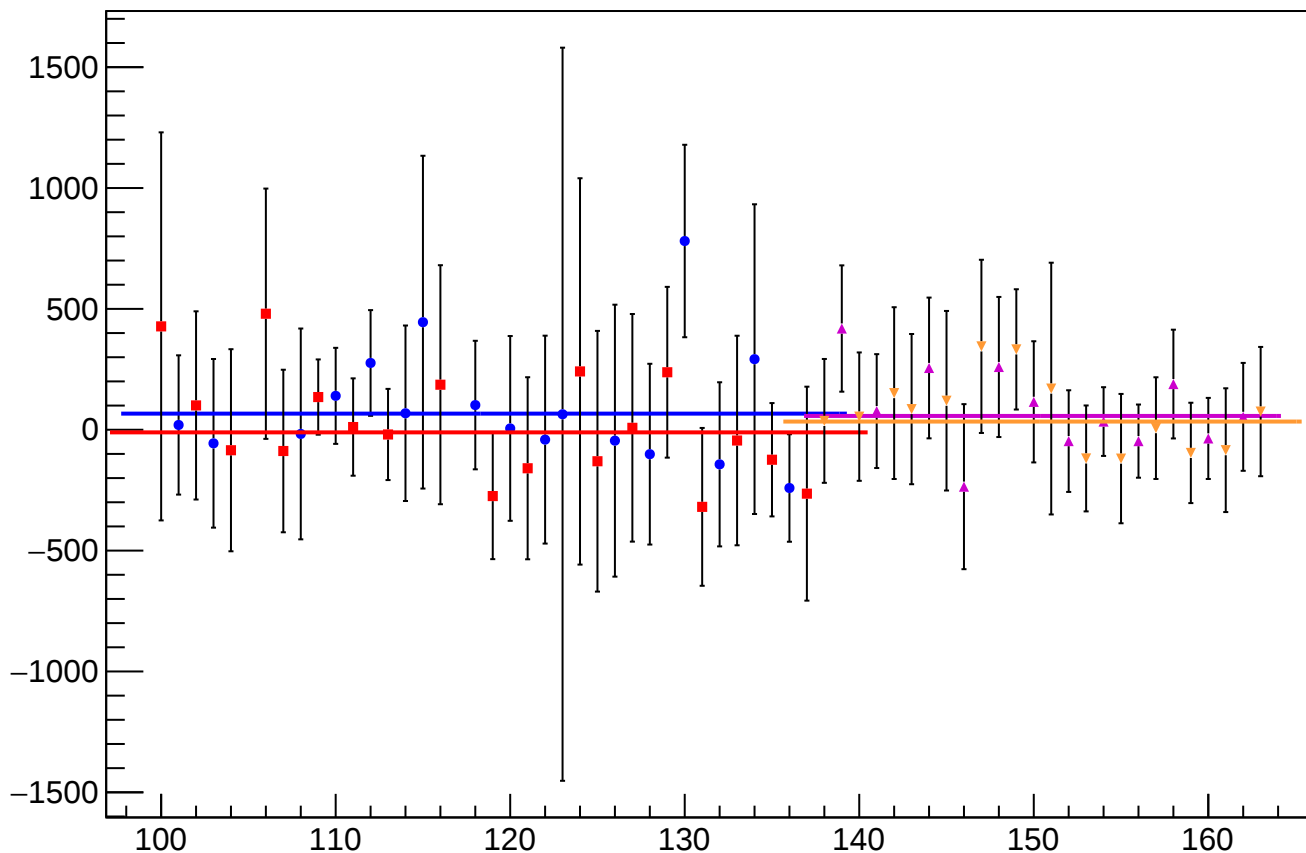
Right: 22.891 $\pm$ 0.004 χ^2 /NDF: 22559.6/35

In: 22.723 $\pm$ 0.004 χ^2 /NDF: 19557.5/28

Out: 22.832 $\pm$ 0.004 χ^2 /NDF: 18415.0/32

All: 22.779 $\pm$ 0.003 χ^2 /NDF: 38360.6/61

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 66.701+/-79.995 χ^2/NDF : 7.5/16

Left Out: 33.871+/-72.093 χ^2/NDF : 3.9/13

Right Out: -10.870+/-70.386 χ^2/NDF : 5.7/18

Left In: 57.123+/-60.638 χ^2/NDF : 5.1/11

Left: 47.489+/-46.405 χ^2/NDF : 9.0/25

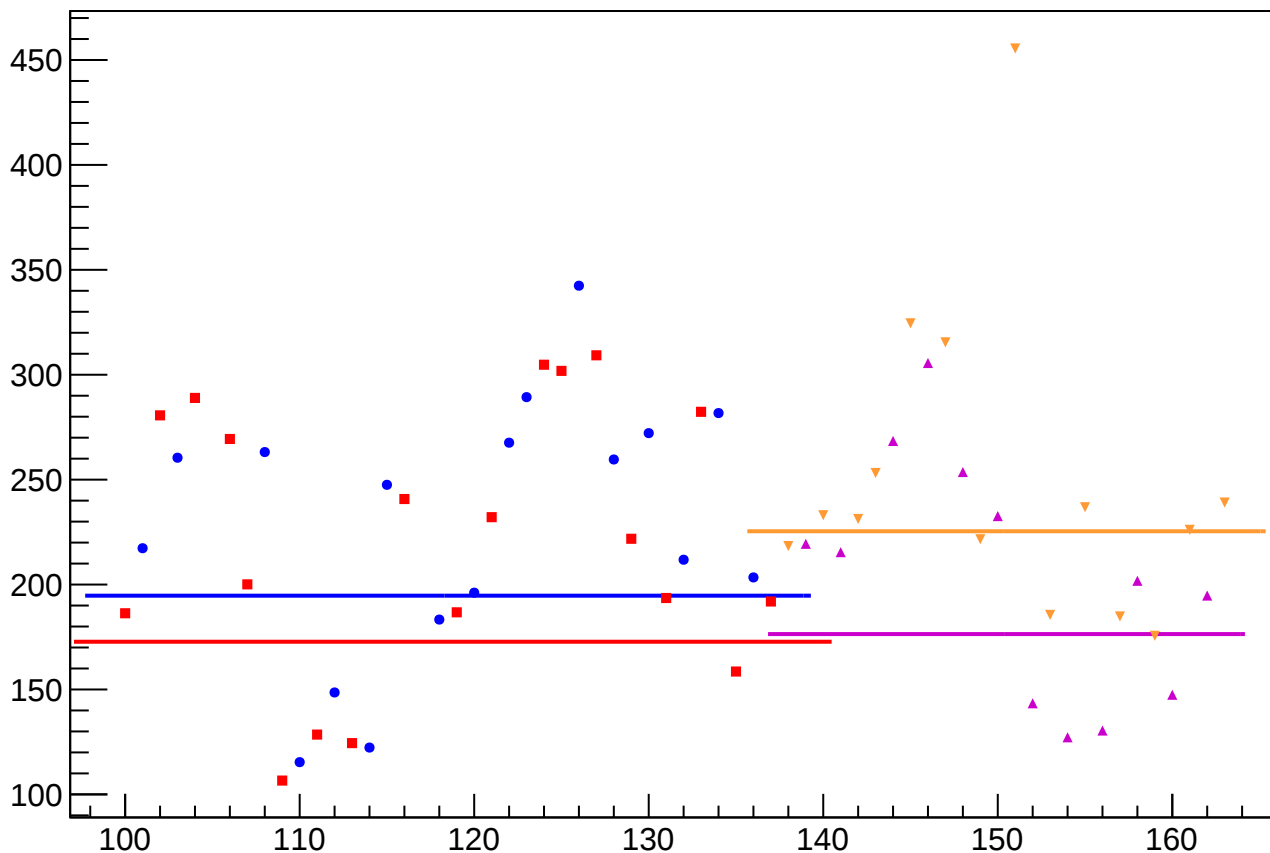
Right: 22.979+/-52.843 χ^2/NDF : 13.8/35

In: 60.618+/-48.324 χ^2/NDF : 12.6/28

Out: 10.965+/-50.363 χ^2/NDF : 9.8/32

All: 36.817+/-34.869 χ^2/NDF : 22.9/61

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: 225.403+/-0.051 χ^2/NDF :944041.1/13

Right Out: 172.753+/-0.050 χ^2/NDF : 1596944.9/18

Left In: 176.404+/-0.043 χ^2/NDF :1409545.5/11

Left: 196.706+/-0.033 χ^2/NDF : 2894679.3/25

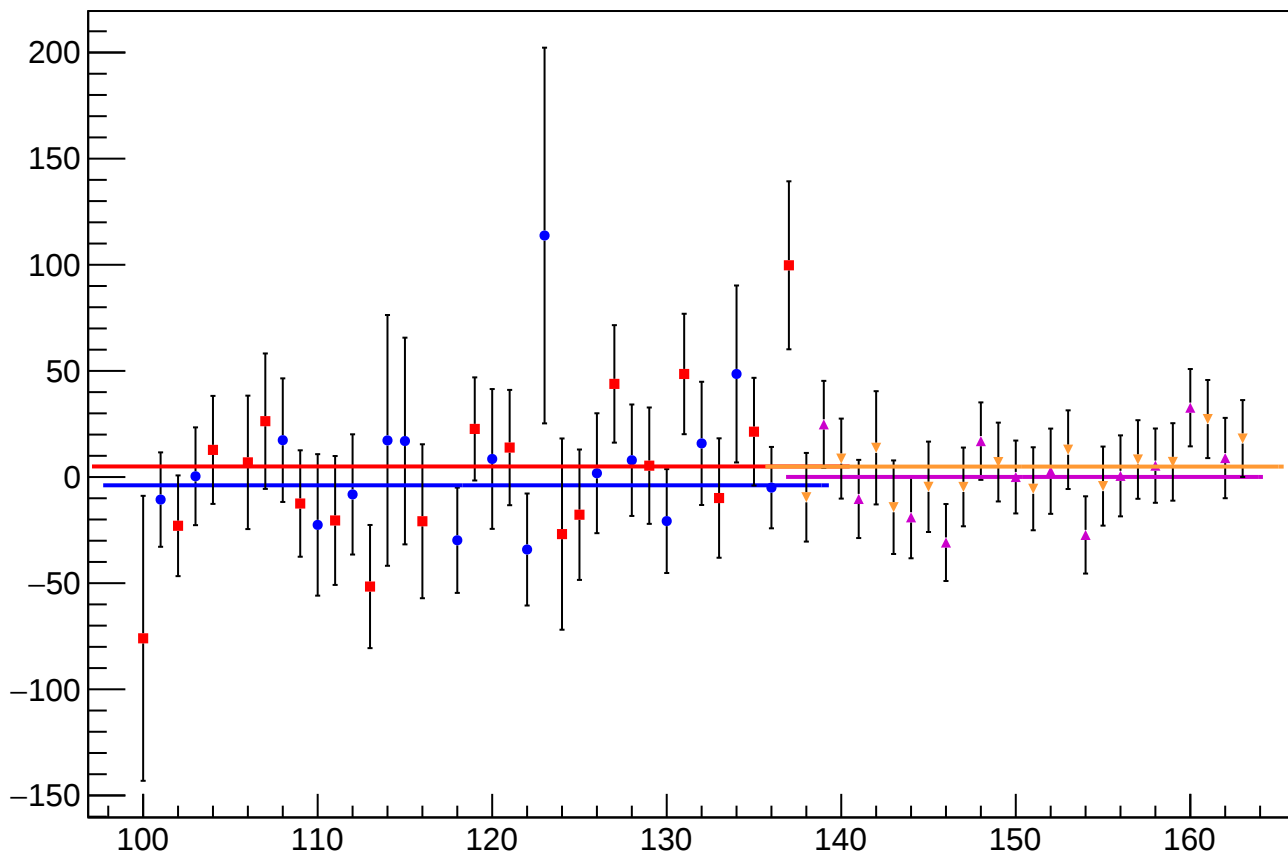
Right: 182.331+/-0.037 χ^2/NDF : 2701685.9/35

In: 183.081+/-0.034 χ^2/NDF :2495880.9/28

Out: 198.448+/-0.036 χ^2/NDF :3087105.5/32

All: 190.447+/-0.025 χ^2/NDF : 5679923.4/61

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: 4.924+/-5.205 χ^2/NDF : 4.6/13

Right Out: 4.985+/-6.727 χ^2/NDF : 21.3/18

Left In: 0.051+/-5.363 χ^2/NDF : 12.3/11

Left: 2.560+/-3.735 χ^2/NDF : 17.4/25

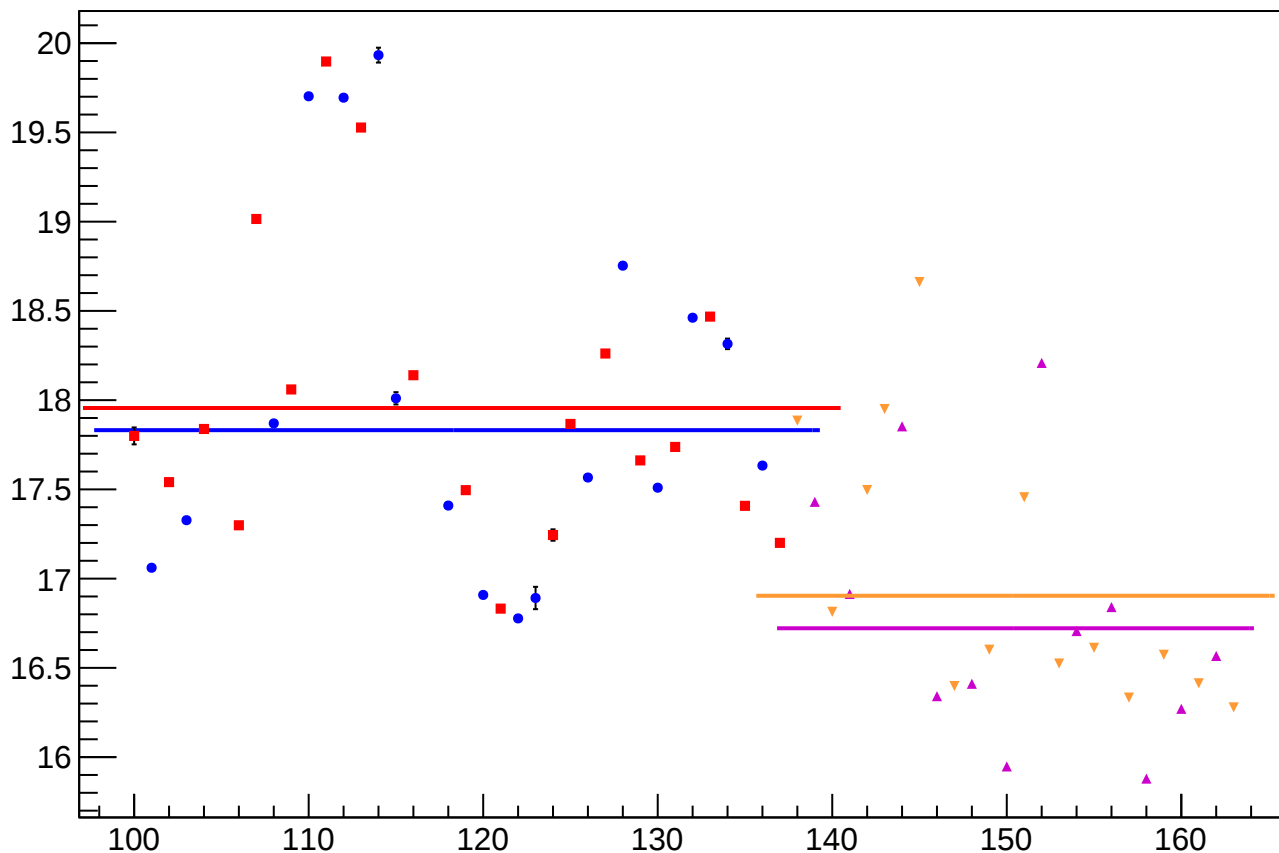
Right: 0.668+/-4.822 χ^2/NDF : 30.6/35

In: -1.430+/-4.238 χ^2/NDF : 20.9/28

Out: 4.947+/-4.116 χ^2/NDF : 26.0/32

All: 1.851+/-2.953 χ^2/NDF : 48.0/61

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: 16.904 $\pm$ 0.004 χ^2 /NDF:34887.3/13

Right Out: 17.956 $\pm$ 0.005 χ^2 /NDF: 25448.9/18

Left In: 16.722 $\pm$ 0.004 χ^2 /NDF:32050.4/11

Left: 16.816 $\pm$ 0.003 χ^2 /NDF: 68125.7/25

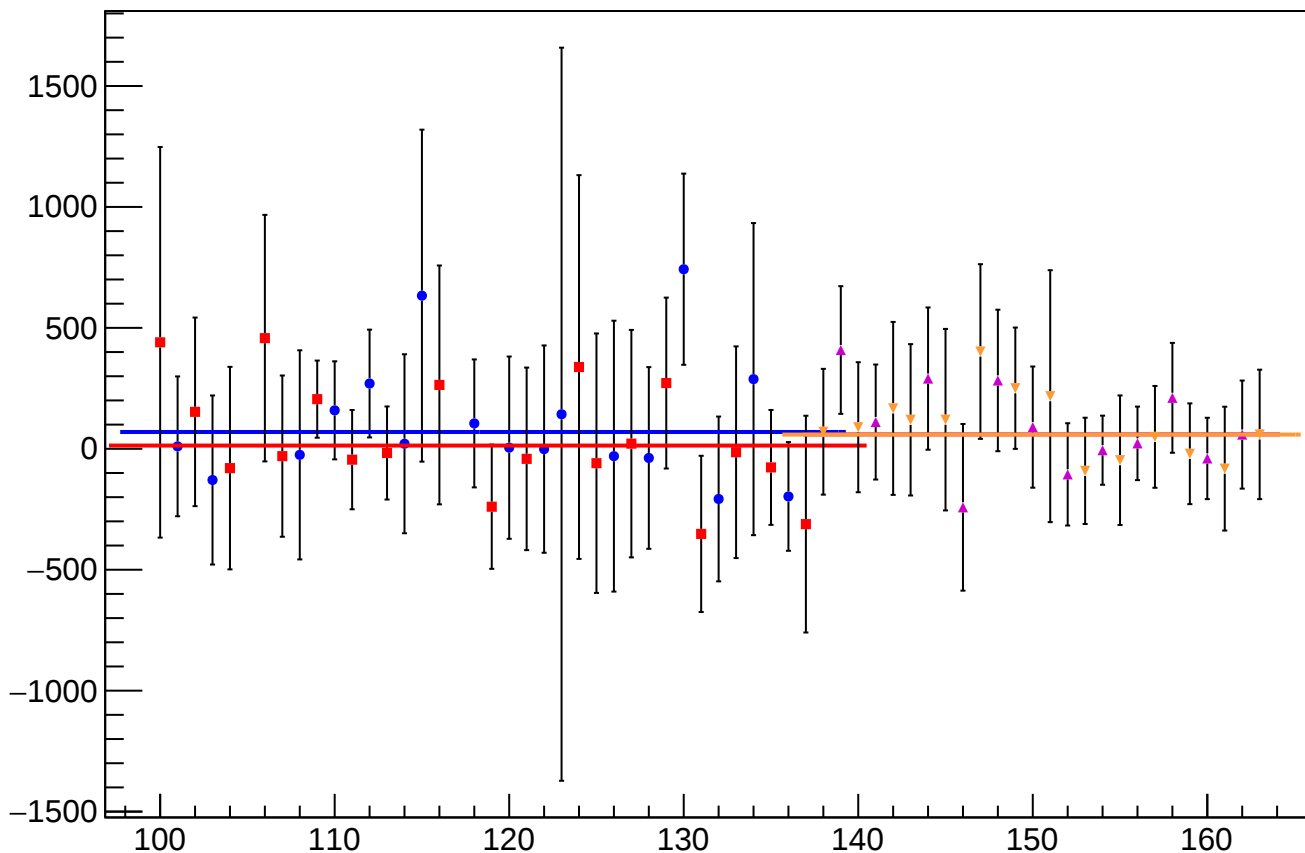
Right: 17.896 $\pm$ 0.003 χ^2 /NDF: 56643.8/35

In: 17.139 $\pm$ 0.003 χ^2 /NDF:95084.0/28

Out: 17.298 $\pm$ 0.003 χ^2 /NDF:90929.9/32

All: 17.221 $\pm$ 0.002 χ^2 /NDF: 187467.2/61

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 69.511+/-80.550 χ^2/NDF : 7.4/16

Left Out: 58.810+/-72.450 χ^2/NDF : 2.8/13

Right Out: 13.410+/-71.041 χ^2/NDF : 6.7/18

Left In: 59.634+/-60.967 χ^2/NDF : 5.4/11

Left: 59.293+/-46.648 χ^2/NDF : 8.3/25

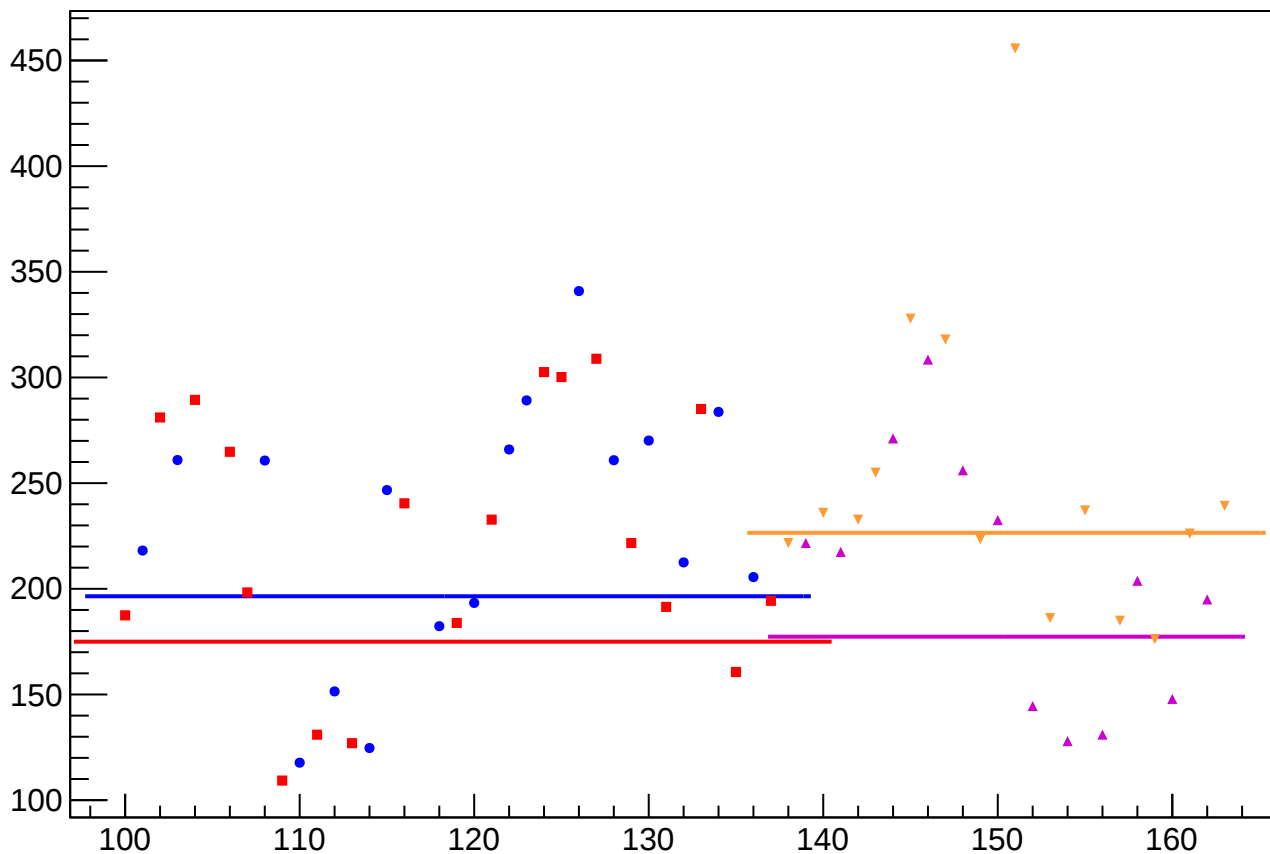
Right: 37.955+/-53.280 χ^2/NDF : 14.4/35

In: 63.231+/-48.613 χ^2/NDF : 12.8/28

Out: 35.665+/-50.725 χ^2/NDF : 9.7/32

All: 50.034+/-35.097 χ^2/NDF : 22.7/61

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: 226.502 $\pm$ 0.051 χ^2 /NDF: 952013.3/13

Right Out: 174.981 $\pm$ 0.050 χ^2 /NDF: 1511102.3/18

Left In: 177.347 $\pm$ 0.043 χ^2 /NDF: 1422566.4/11

Left: 197.725 $\pm$ 0.033 χ^2 /NDF: 2913541.9/25

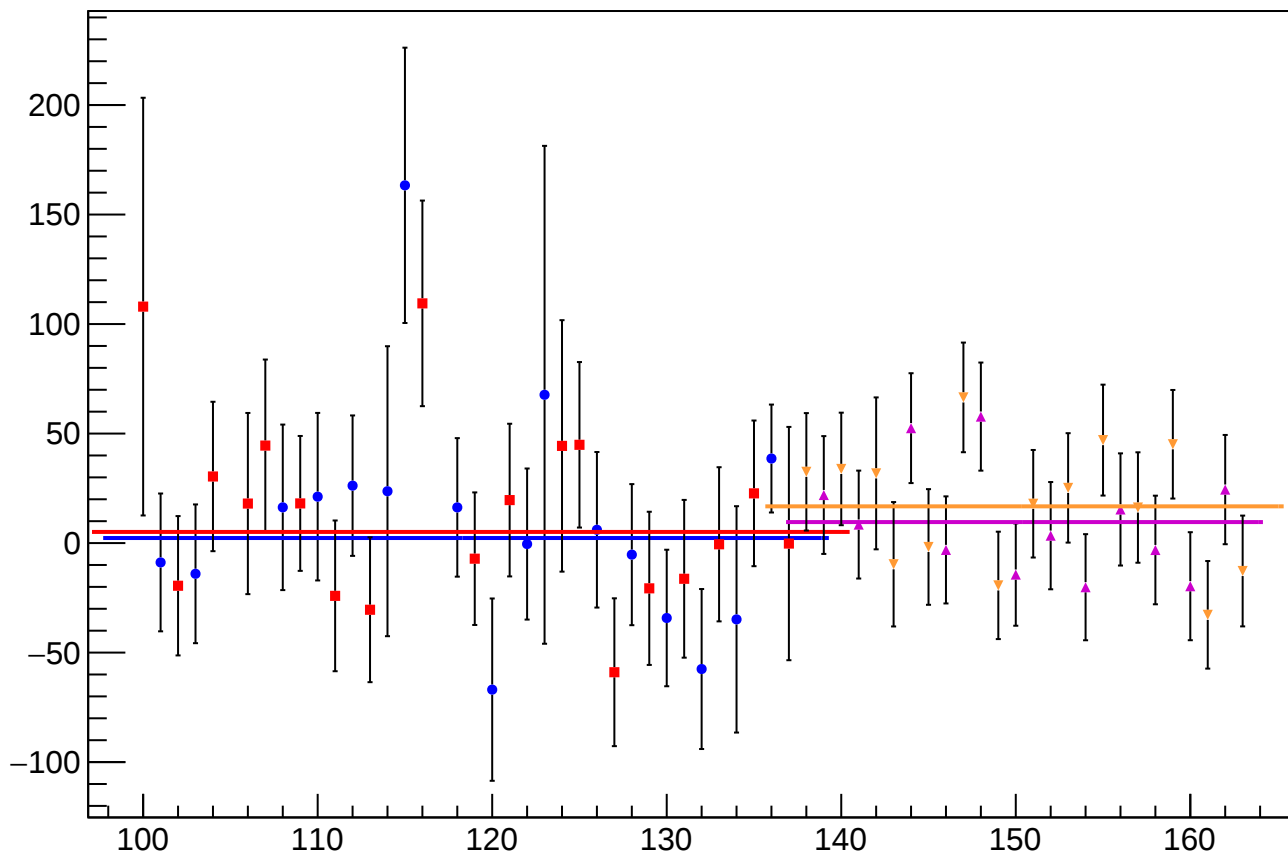
Right: 184.383 $\pm$ 0.038 χ^2 /NDF: 2555448.8/35

In: 184.312 $\pm$ 0.034 χ^2 /NDF: 2458513.1/28

Out: 200.236 $\pm$ 0.036 χ^2 /NDF: 2978739.5/32

All: 191.936 $\pm$ 0.025 χ^2 /NDF: 5539986.2/61

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: 16.771 ± 6.915 $\chi^2/\text{NDF}: 16.7/13$

Right Out: 5.089 ± 8.479 $\chi^2/\text{NDF}: 17.1/18$

Left In: 9.589 ± 7.153 $\chi^2/\text{NDF}: 11.9/11$

Left: 13.301 ± 4.972 $\chi^2/\text{NDF}: 29.2/25$

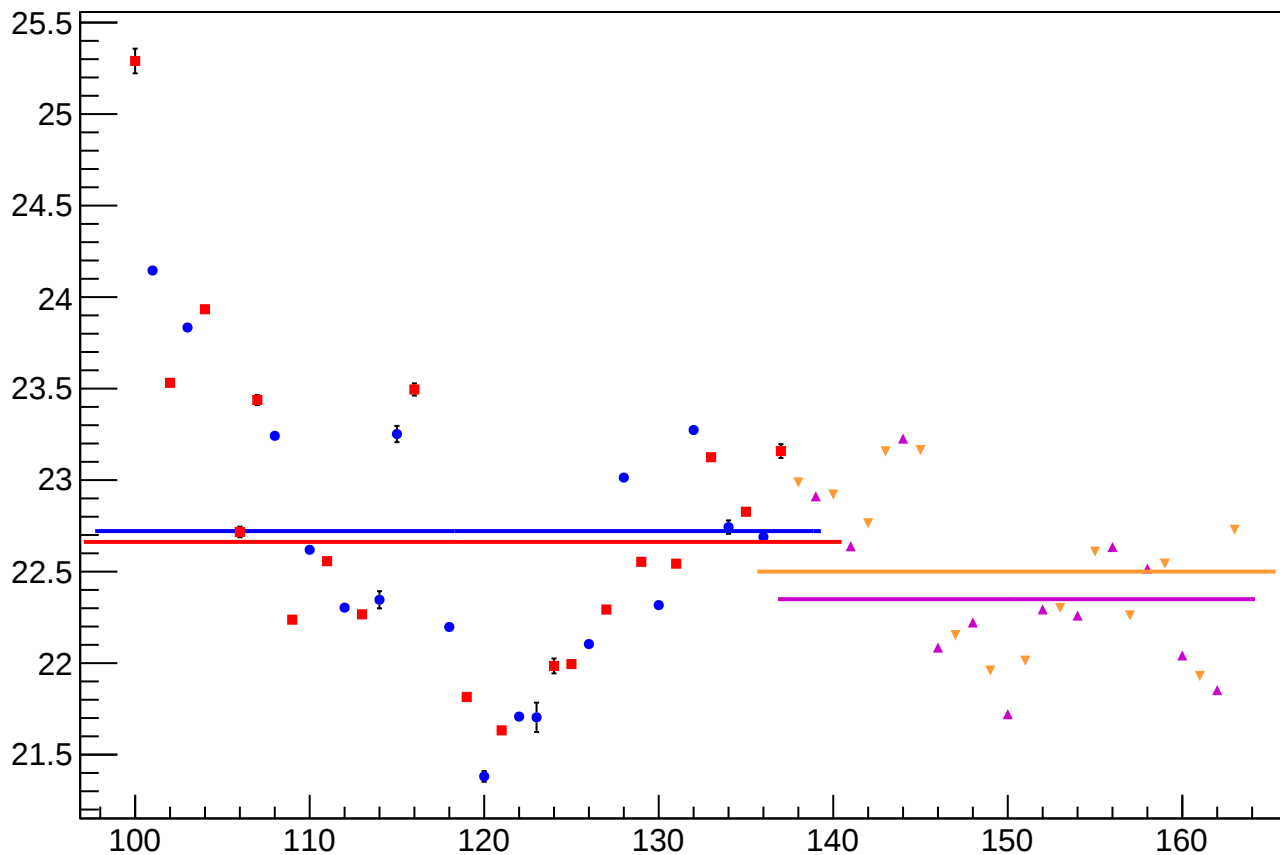
Right: 3.750 ± 6.108 $\chi^2/\text{NDF}: 35.3/35$

In: 6.694 ± 5.552 $\chi^2/\text{NDF}: 30.4/28$

Out: 12.105 ± 5.359 $\chi^2/\text{NDF}: 35.0/32$

All: 9.495 ± 3.856 $\chi^2/\text{NDF}: 65.9/61$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.722 ± 0.006 $\chi^2/\text{NDF}: 13580.6/16$

Left Out: 22.500 ± 0.005 $\chi^2/\text{NDF}: 7382.9/13$

Right Out: 22.662 ± 0.006 $\chi^2/\text{NDF}: 12955.6/18$

Left In: 22.350 ± 0.005 $\chi^2/\text{NDF}: 6811.6/11$

Left: 22.427 ± 0.004 $\chi^2/\text{NDF}: 14651.9/25$

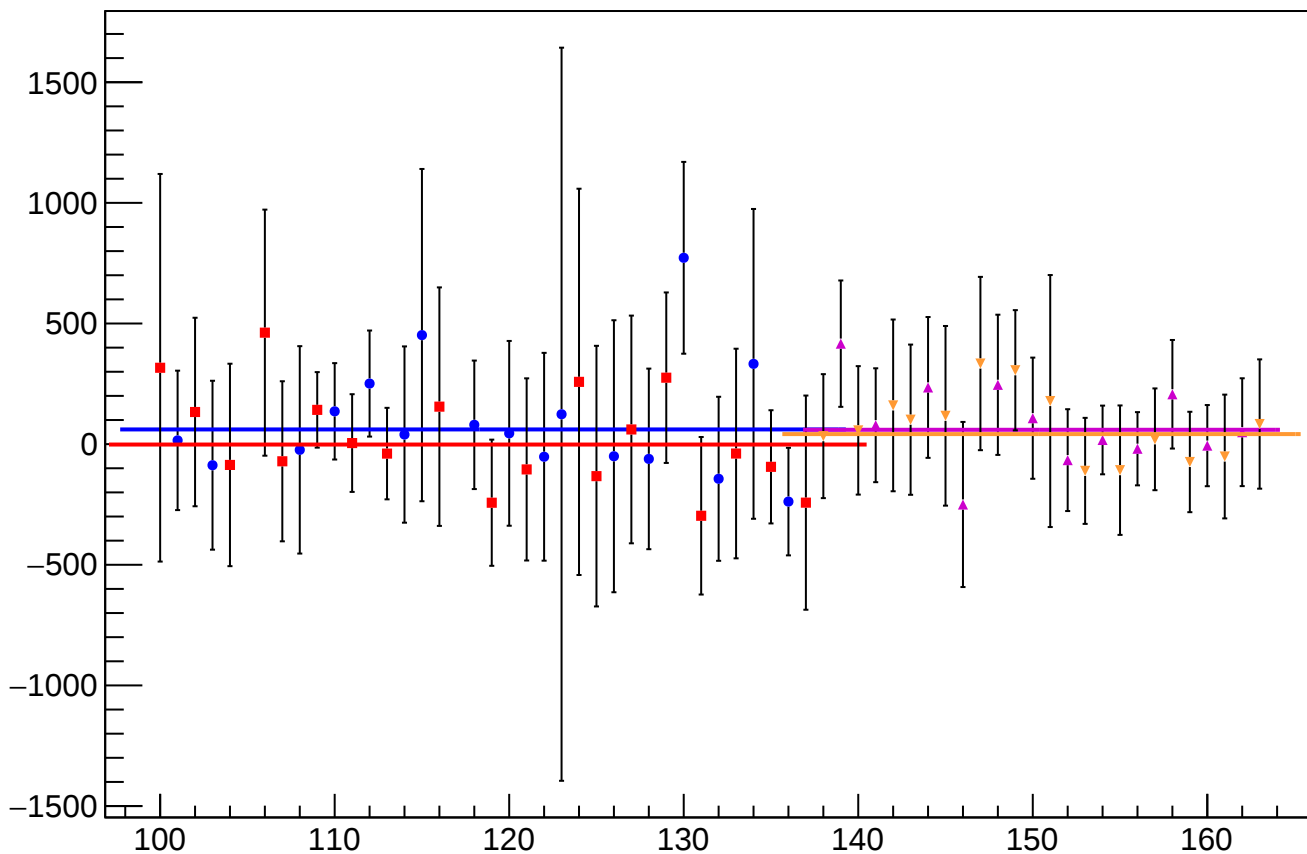
Right: 22.691 ± 0.004 $\chi^2/\text{NDF}: 26582.8/35$

In: 22.497 ± 0.004 $\chi^2/\text{NDF}: 22541.8/28$

Out: 22.565 ± 0.004 $\chi^2/\text{NDF}: 20778.9/32$

All: 22.532 ± 0.003 $\chi^2/\text{NDF}: 43473.5/61$

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: 41.656 $\pm$ 72.257 χ^2 /NDF:3.3/13

Right Out: -1.647 $\pm$ 70.549 χ^2 /NDF: 5.2/18

Left In: 59.515 $\pm$ 60.762 χ^2 /NDF:4.8/11

Left: 52.117 $\pm$ 46.505 χ^2 /NDF: 8.1/25

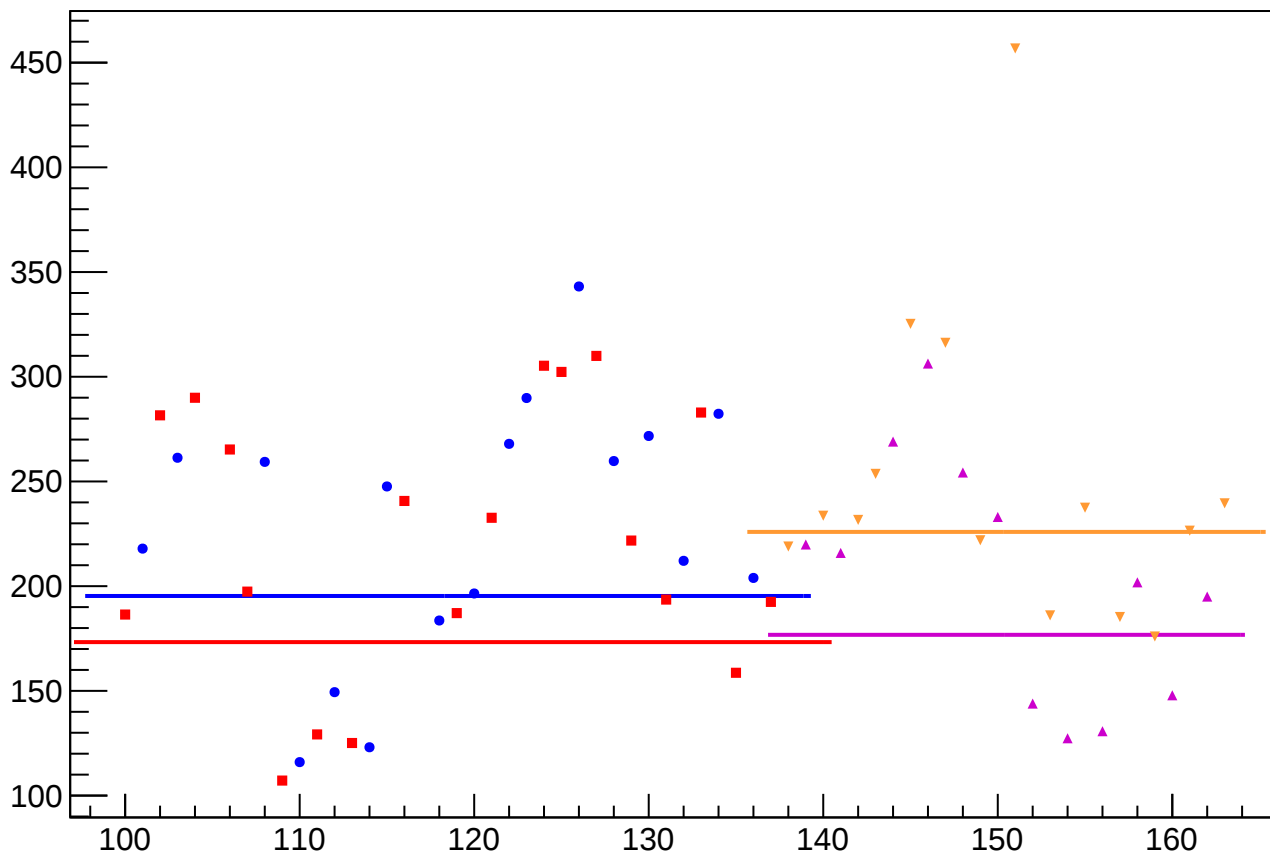
Right: 25.666 $\pm$ 52.970 χ^2 /NDF: 12.7/35

In: 60.042 $\pm$ 48.431 χ^2 /NDF:12.0/28

Out: 19.487 $\pm$ 50.479 χ^2 /NDF:8.7/32

All: 40.604 $\pm$ 34.947 χ^2 /NDF: 21.0/61

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: 225.915+/-0.051 χ^2/NDF : 943951.6/13

Right Out: 173.285+/-0.050 χ^2/NDF : 1578382.8/18

Left In: 176.765+/-0.043 χ^2/NDF : 1408949.4/11

Left: 197.124+/-0.033 χ^2/NDF : 2894956.3/25

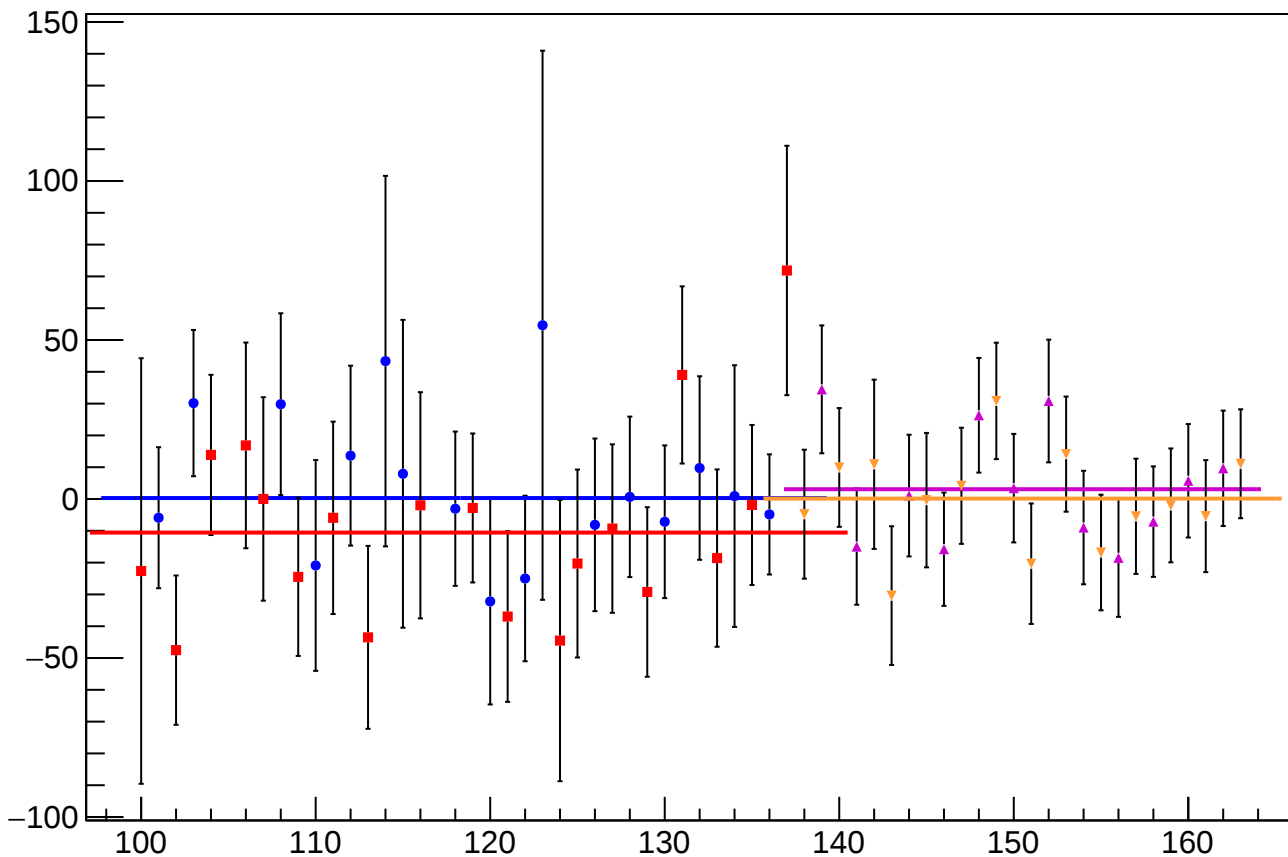
Right: 182.896+/-0.037 χ^2/NDF : 2667678.3/35

In: 183.530+/-0.034 χ^2/NDF : 2481147.1/28

Out: 198.970+/-0.036 χ^2/NDF : 3065538.7/32

All: 190.931+/-0.025 χ^2/NDF : 5644117.8/61

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.305 ± 6.812 $\chi^2/\text{NDF}: 6.8/16$

Left Out: 0.137 ± 5.083 $\chi^2/\text{NDF}: 8.6/13$

Right Out: -10.553 ± 6.628 $\chi^2/\text{NDF}: 16.0/18$

Left In: 3.082 ± 5.265 $\chi^2/\text{NDF}: 10.6/11$

Left: 1.558 ± 3.657 $\chi^2/\text{NDF}: 19.3/25$

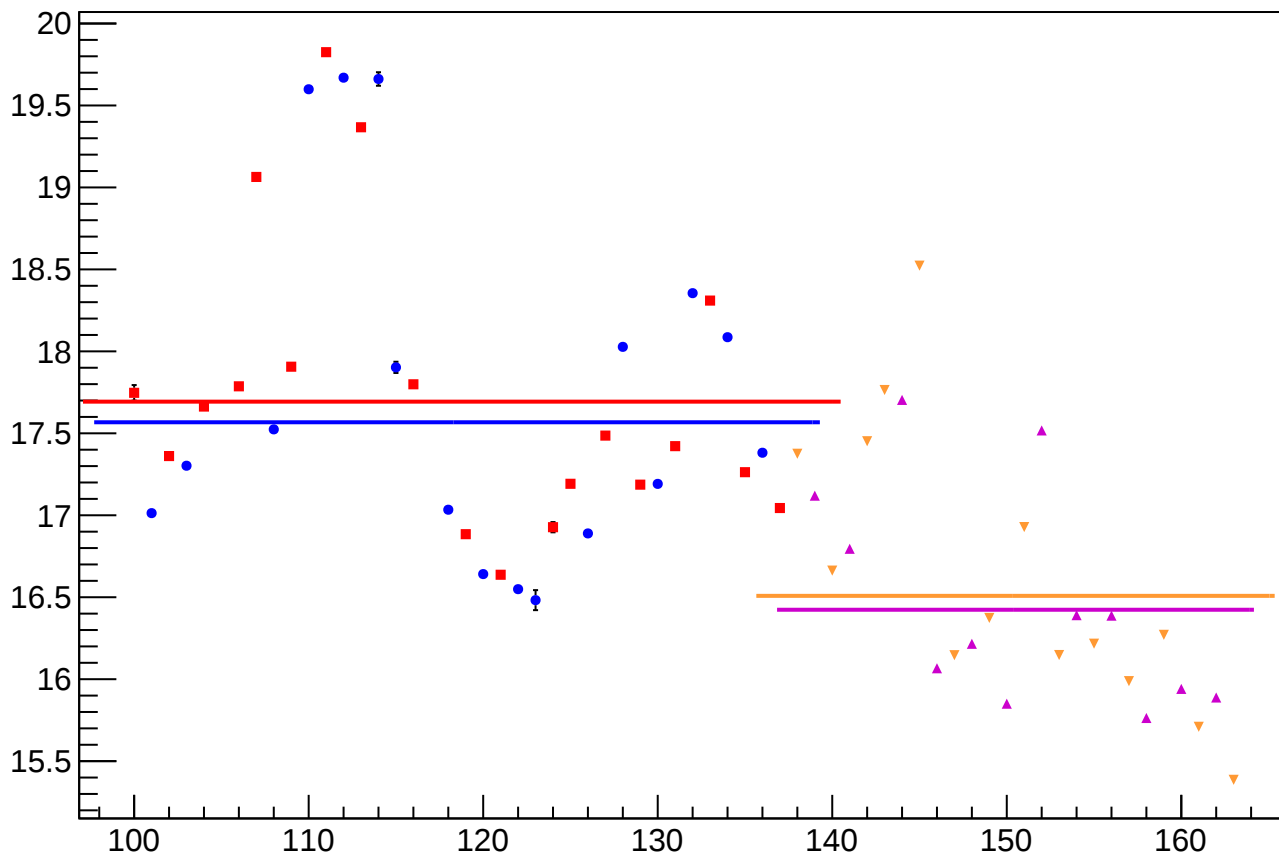
Right: -5.273 ± 4.751 $\chi^2/\text{NDF}: 24.1/35$

In: 2.044 ± 4.166 $\chi^2/\text{NDF}: 17.5/28$

Out: -3.822 ± 4.033 $\chi^2/\text{NDF}: 26.2/32$

All: -0.984 ± 2.898 $\chi^2/\text{NDF}: 44.7/61$

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: 16.508 $\pm$ 0.004 χ^2 /NDF: 49005.6/13

Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30767.1/18

Left In: 16.424 $\pm$ 0.004 χ^2 /NDF: 28042.2/11

Left: 16.468 $\pm$ 0.003 χ^2 /NDF: 77316.1/25

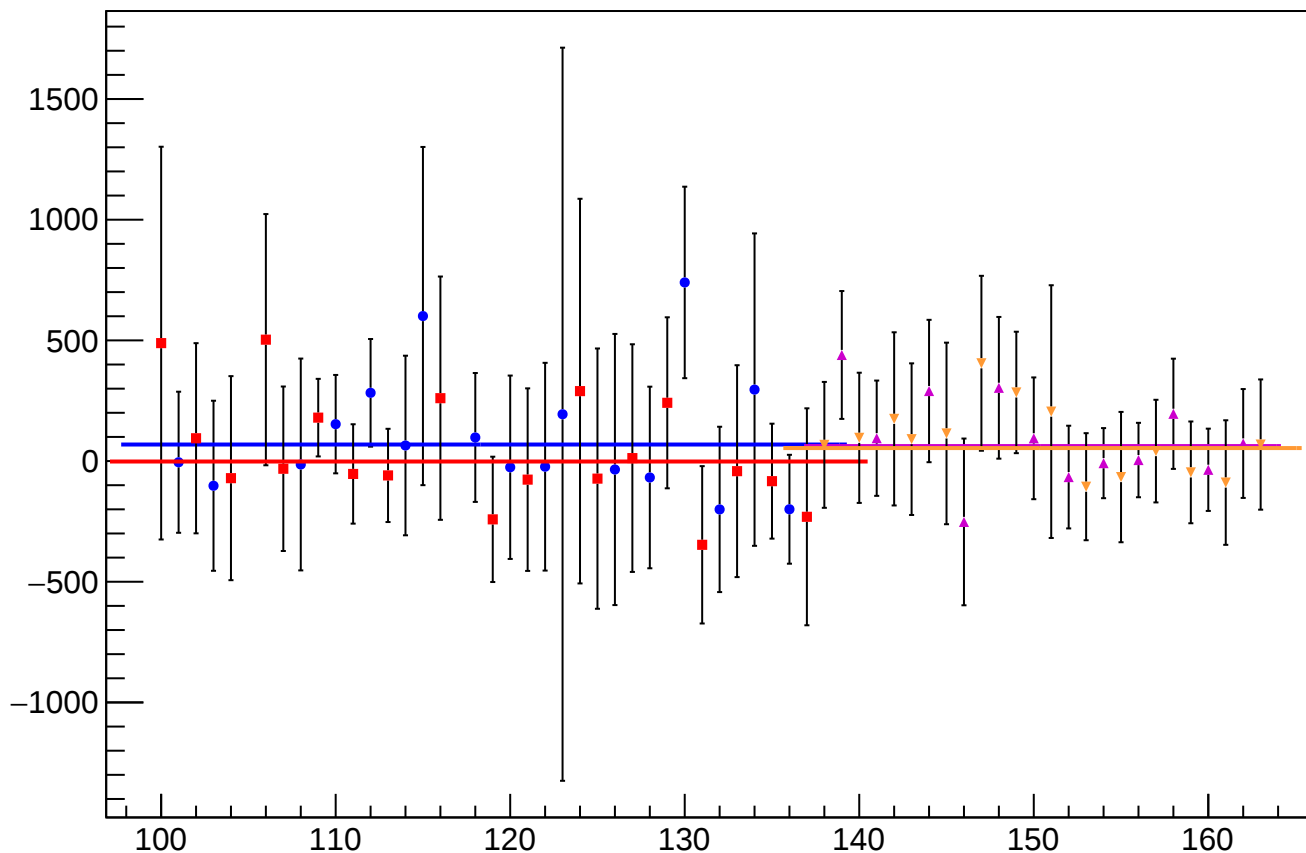
Right: 17.632 $\pm$ 0.003 χ^2 /NDF: 64262.5/35

In: 16.851 $\pm$ 0.003 χ^2 /NDF: 96481.3/28

Out: 16.947 $\pm$ 0.003 χ^2 /NDF: 120012.5/32

All: 16.901 $\pm$ 0.002 χ^2 /NDF: 217040.4/61

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 68.553+/-81.018 χ^2/NDF : 7.3/16

Left Out: 53.839+/-72.950 χ^2/NDF : 3.3/13

Right Out: -1.831+/-71.538 χ^2/NDF : 6.1/18

Left In: 62.165+/-61.567 χ^2/NDF : 5.6/11

Left: 58.702+/-47.050 χ^2/NDF : 8.9/25

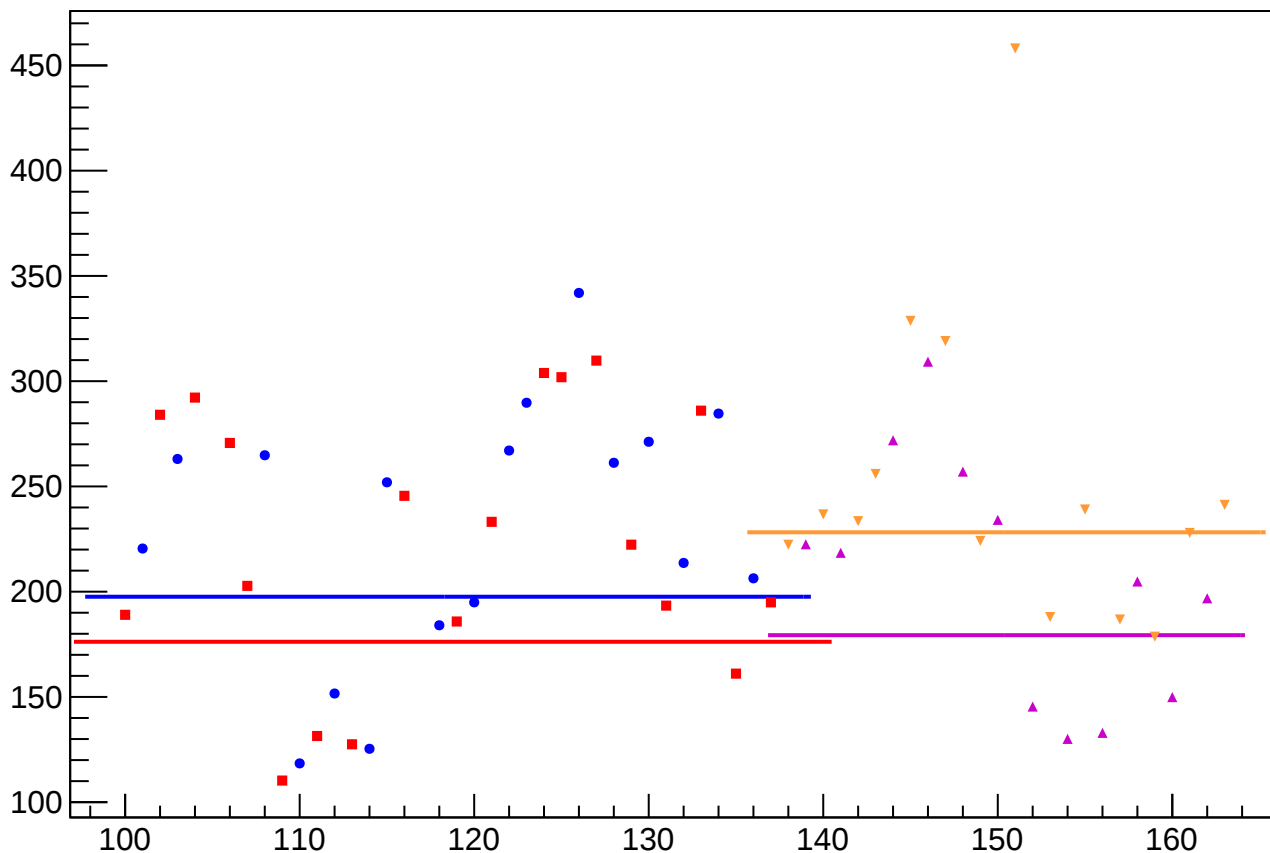
Right: 29.004+/-53.625 χ^2/NDF : 13.9/35

In: 64.504+/-49.019 χ^2/NDF : 12.9/28

Out: 25.460+/-51.077 χ^2/NDF : 9.7/32

All: 45.784+/-35.367 χ^2/NDF : 22.9/61

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: 228.211 $\pm$ 0.052 χ^2 /NDF: 933724.1/13

Right Out: 176.201 $\pm$ 0.051 χ^2 /NDF: 1519832.7/18

Left In: 179.340 $\pm$ 0.044 χ^2 /NDF: 1380159.4/11

Left: 199.669 $\pm$ 0.033 χ^2 /NDF: 2838094.6/25

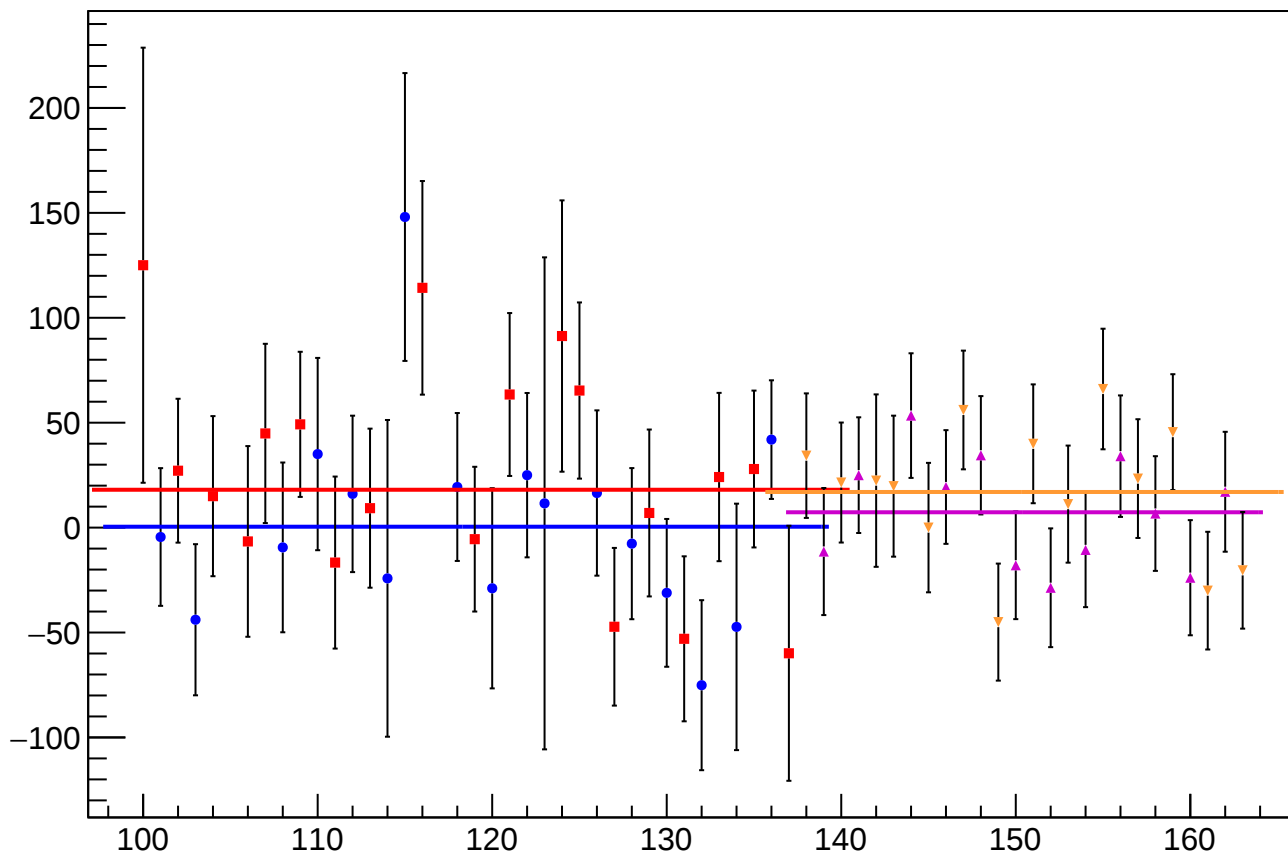
Right: 185.577 $\pm$ 0.038 χ^2 /NDF: 2567082.7/35

In: 186.026 $\pm$ 0.035 χ^2 /NDF: 2413412.5/28

Out: 201.698 $\pm$ 0.036 χ^2 /NDF: 2971788.7/32

All: 193.540 $\pm$ 0.025 χ^2 /NDF: 5483217.0/61

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: 16.981+/-7.834 χ^2/NDF : 16.9/13

Right Out: 18.044+/-9.499 χ^2/NDF : 19.5/18

Left In: 7.309+/-8.070 χ^2/NDF : 9.6/11

Left: 12.288+/-5.621 χ^2/NDF : 27.2/25

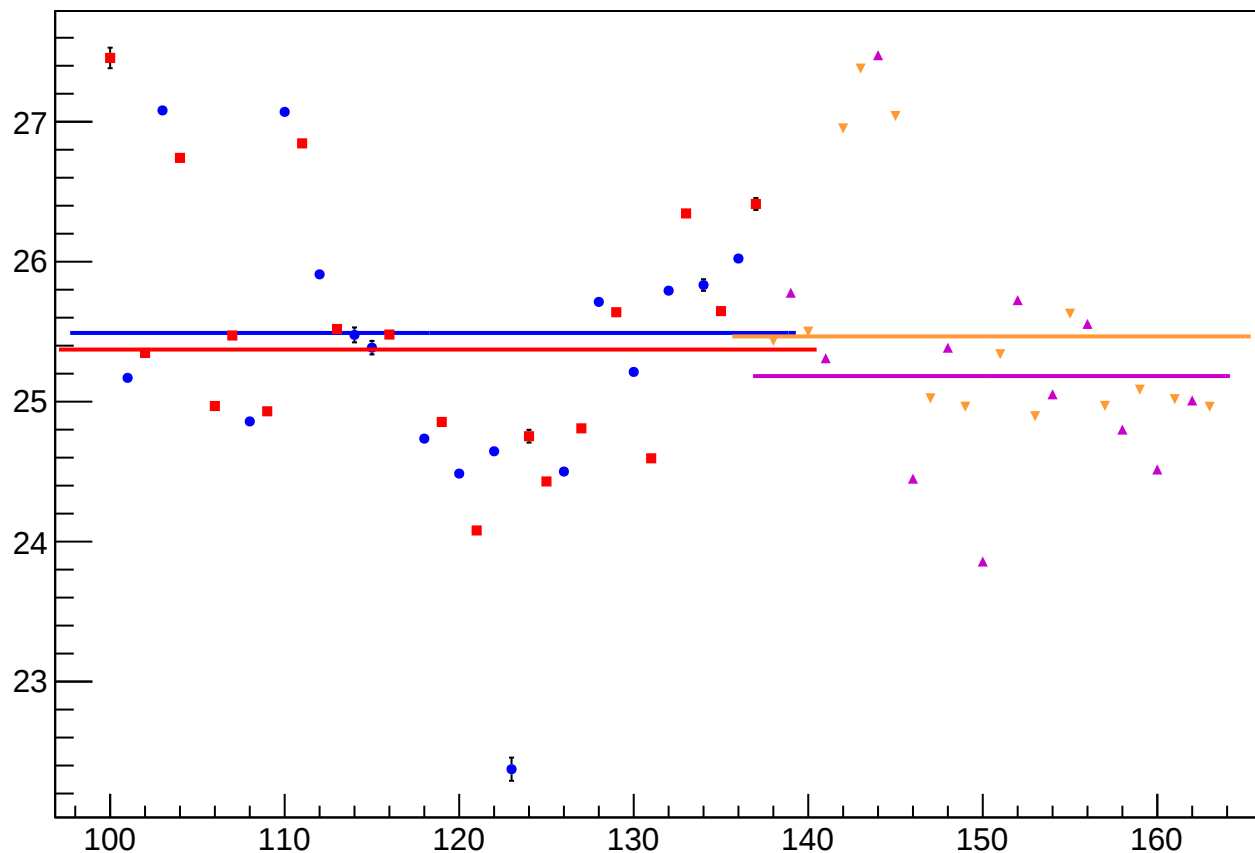
Right: 9.585+/-6.849 χ^2/NDF : 36.6/35

In: 4.556+/-6.251 χ^2/NDF : 25.4/28

Out: 17.411+/-6.044 χ^2/NDF : 36.4/32

All: 11.200+/-4.345 χ^2/NDF : 63.9/61

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: 25.466 $\pm$ 0.006 χ^2 /NDF:18558.0/13

Right Out: 25.372 $\pm$ 0.007 χ^2 /NDF: 13550.5/18

Left In: 25.183 $\pm$ 0.006 χ^2 /NDF:22396.6/11

Left: 25.329 $\pm$ 0.004 χ^2 /NDF: 42224.5/25

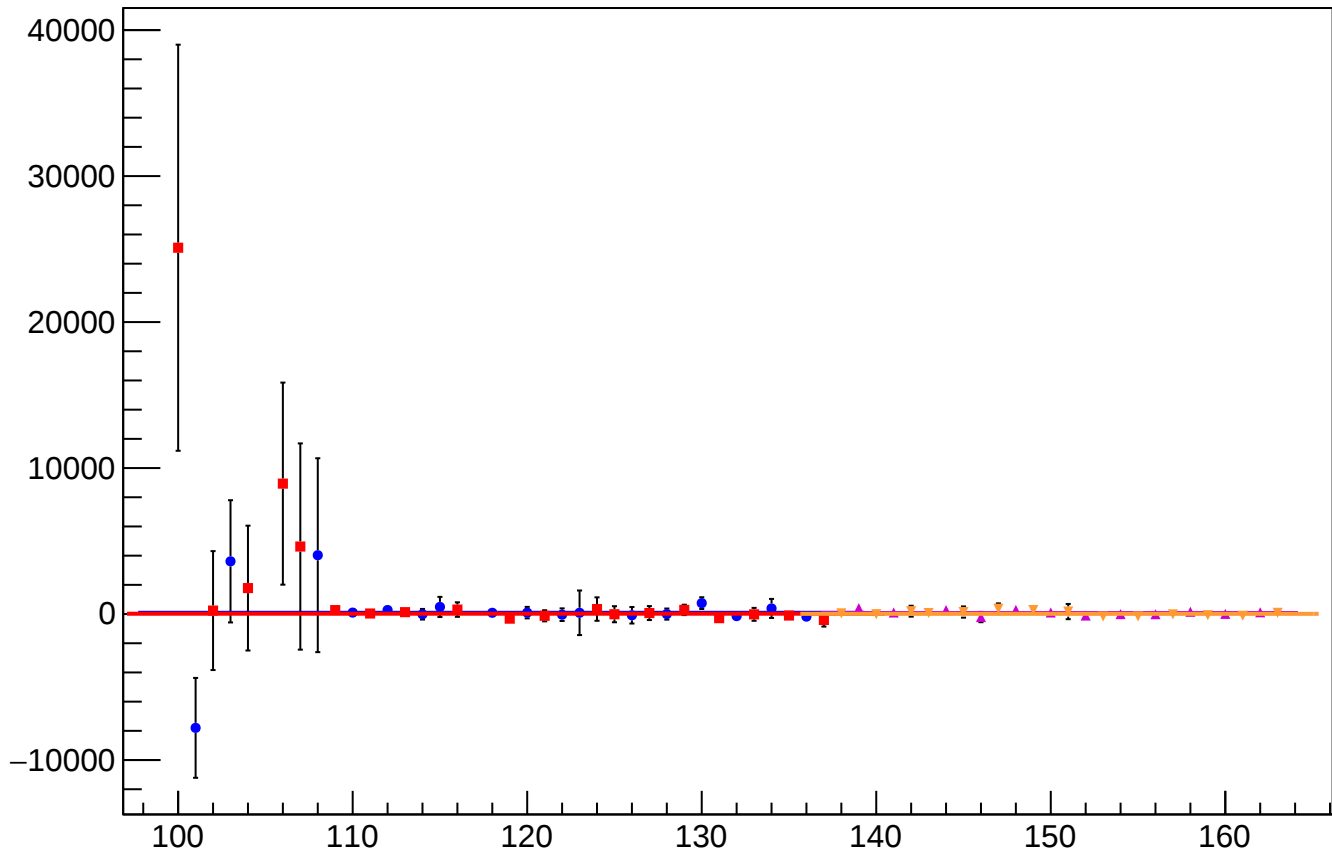
Right: 25.429 $\pm$ 0.005 χ^2 /NDF: 27413.4/35

In: 25.306 $\pm$ 0.004 χ^2 /NDF:37275.7/28

Out: 25.428 $\pm$ 0.004 χ^2 /NDF:32225.0/32

All: 25.369 $\pm$ 0.003 χ^2 /NDF: 69895.2/61

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 86.558+/-88.423 χ^2/NDF : 12.5/16

Left Out: 15.121+/-73.963 χ^2/NDF : 4.0/13

Right Out: 23.352+/-80.948 χ^2/NDF : 11.9/18

Left In: 68.897+/-62.599 χ^2/NDF : 4.7/11

Left: 46.453+/-47.783 χ^2/NDF : 8.9/25

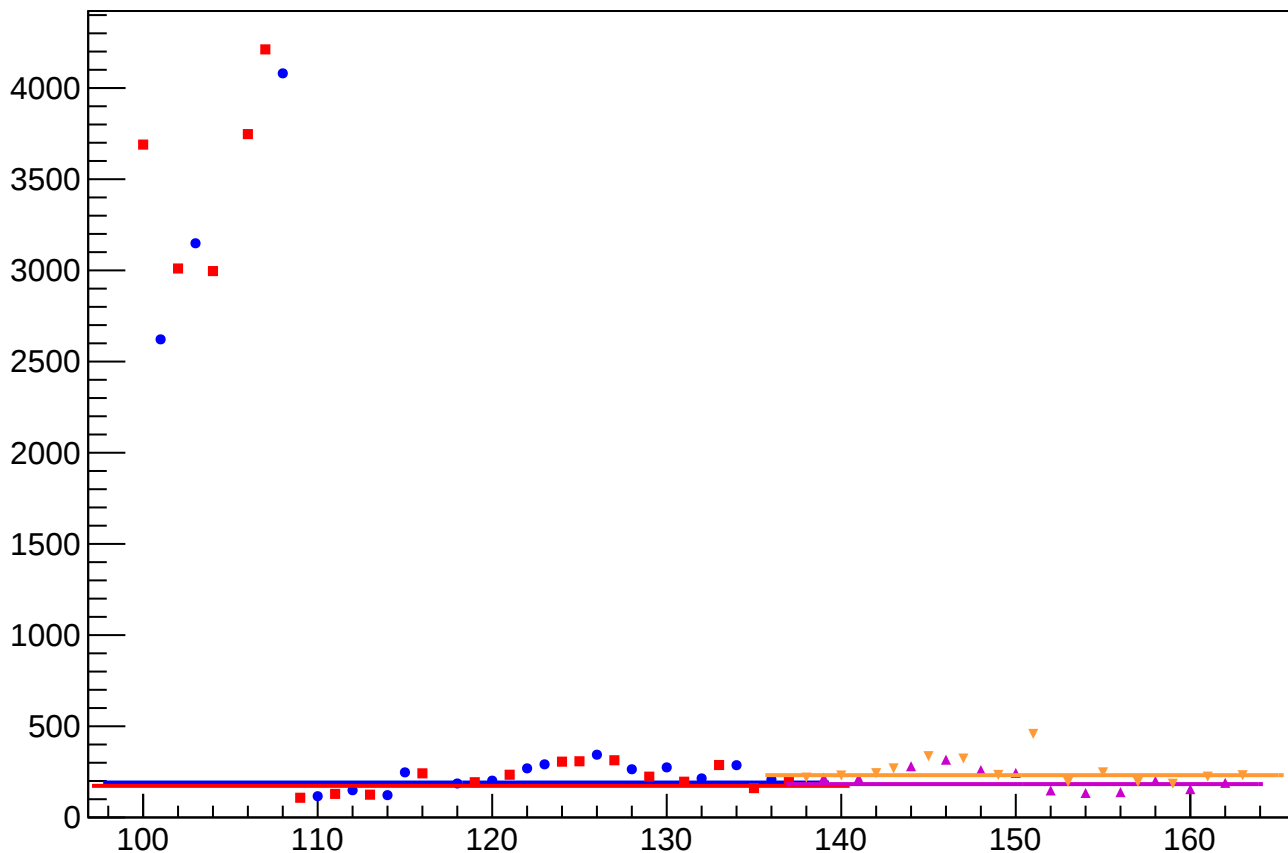
Right: 52.171+/-59.707 χ^2/NDF : 24.7/35

In: 74.793+/-51.092 χ^2/NDF : 17.2/28

Out: 18.866+/-54.603 χ^2/NDF : 15.9/32

All: 48.685+/-37.307 χ^2/NDF : 33.6/61

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: 231.776+/-0.052 χ^2/NDF : 893371.9/13

Right Out: 173.297+/-0.057 χ^2/NDF : 4207424.0/18

Left In: 182.944+/-0.044 χ^2/NDF : 1283693.7/11

Left: 203.324+/-0.034 χ^2/NDF : 2684997.4/25

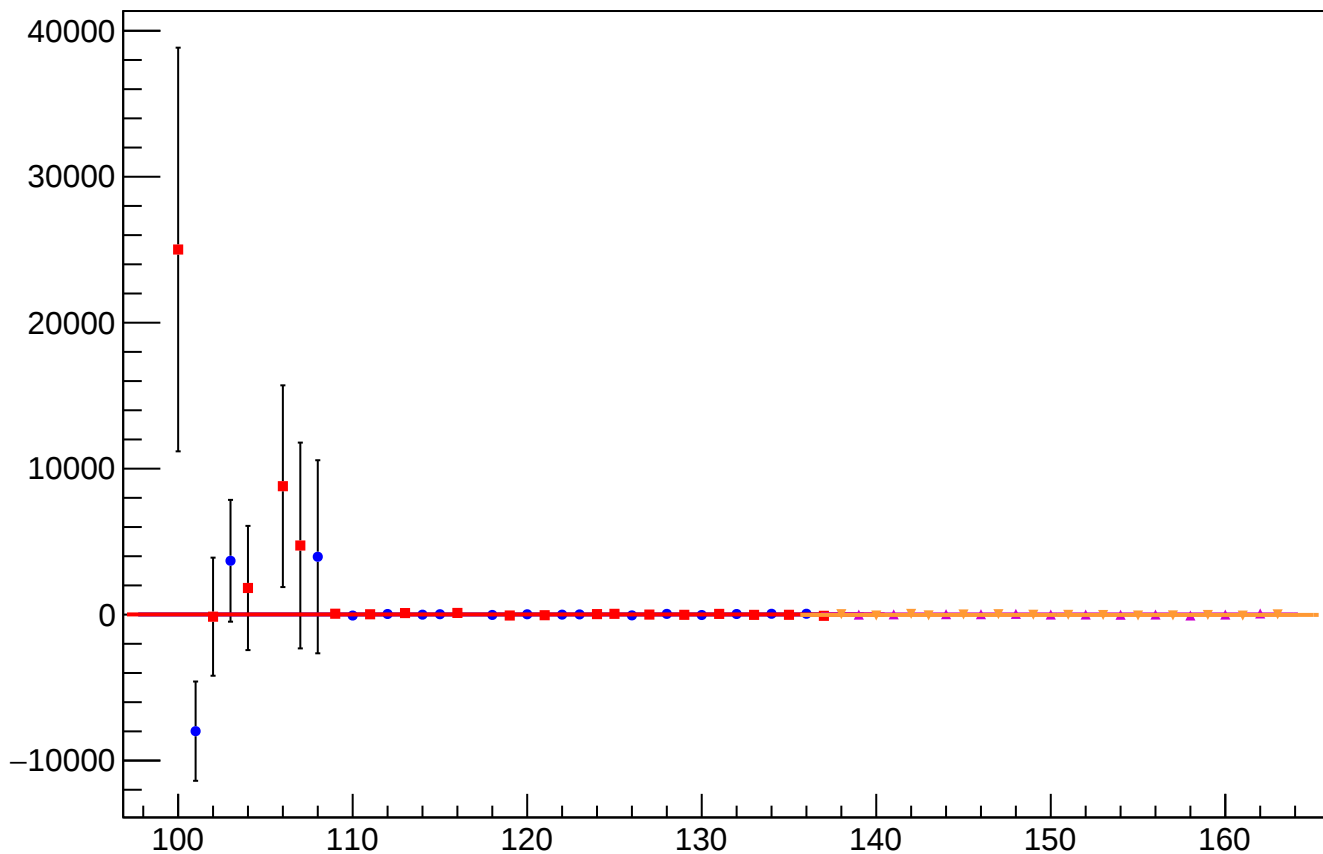
Right: 181.587+/-0.042 χ^2/NDF : 7826577.3/35

In: 185.793+/-0.036 χ^2/NDF : 4869258.0/28

Out: 205.168+/-0.039 χ^2/NDF : 5669648.1/32

All: 194.838+/-0.026 χ^2/NDF : 10673170.6/63

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: -20.515+/-9.078 χ^2/NDF :15.8/13

Right Out: 12.668+/-12.232 χ^2/NDF : 24.8/18

Left In: 13.647+/-9.449 χ^2/NDF :13.7/11

Left: -4.117+/-6.546 χ^2/NDF : 36.3/25

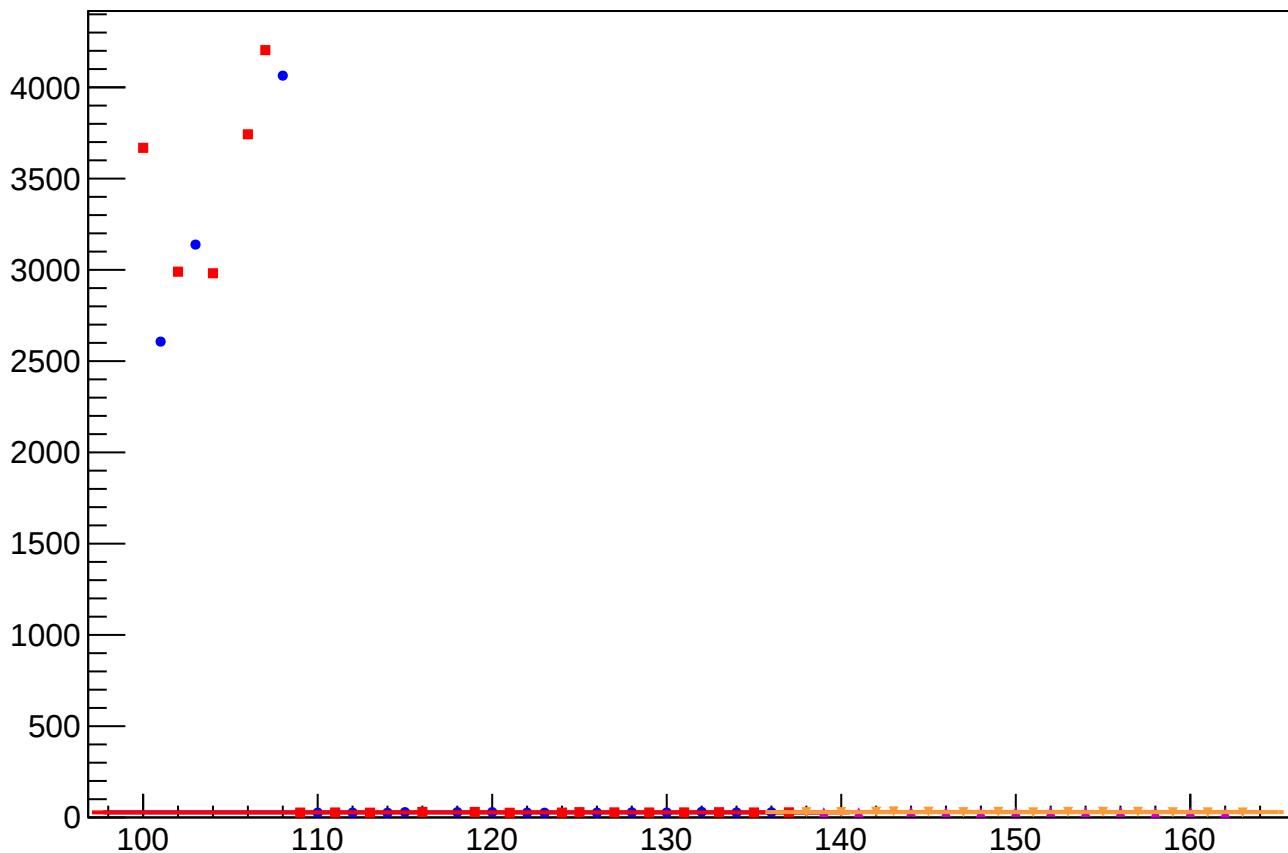
Right: 11.482+/-8.667 χ^2/NDF : 43.2/35

In: 12.397+/-7.489 χ^2/NDF :32.2/28

Out: -8.729+/-7.290 χ^2/NDF :45.4/32

All: 1.550+/-5.224 χ^2/NDF : 81.6/61

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.855+/-0.009 χ^2 /NDF: 3027666.8/16

Left Out: 29.458+/-0.006 χ^2 /NDF: 58753.9/13

Right Out: 27.695+/-0.009 χ^2 /NDF: 3476852.9/18

Left In: 29.405+/-0.007 χ^2 /NDF: 78942.1/11

Left: 29.432+/-0.005 χ^2 /NDF: 137728.6/25

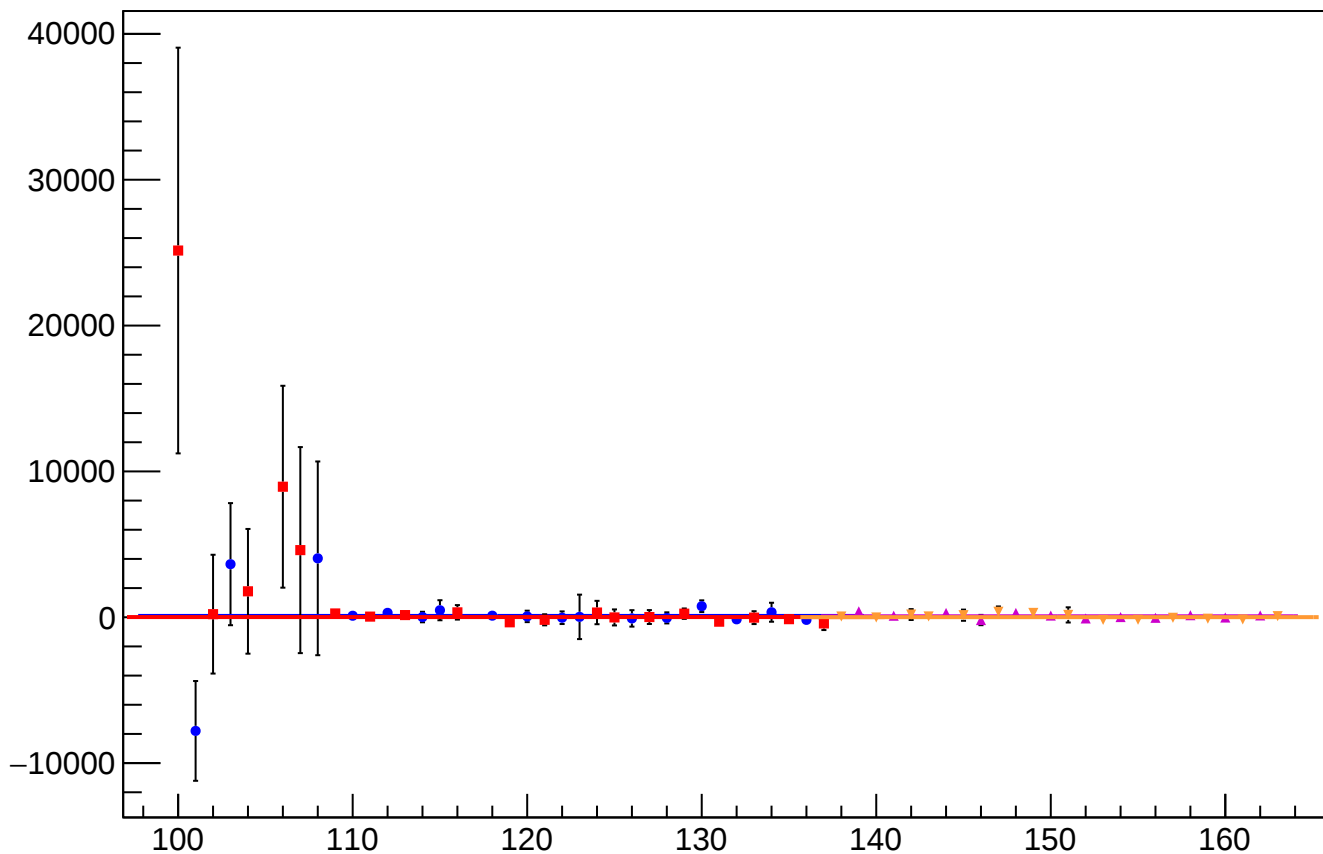
Right: 27.774+/-0.006 χ^2 /NDF: 6504689.9/35

In: 28.829+/-0.005 χ^2 /NDF: 3126625.6/28

Out: 28.832+/-0.005 χ^2 /NDF: 3562398.6/32

All: 28.830+/-0.004 χ^2 /NDF: 6689024.4/61

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: 7.101+/-73.800 χ^2/NDF : 4.6/13

Right Out: 13.341+/-80.686 χ^2/NDF : 12.7/18

Left In: 66.718+/-62.477 χ^2/NDF : 4.9/11

Left: 41.829+/-47.684 χ^2/NDF : 9.9/25

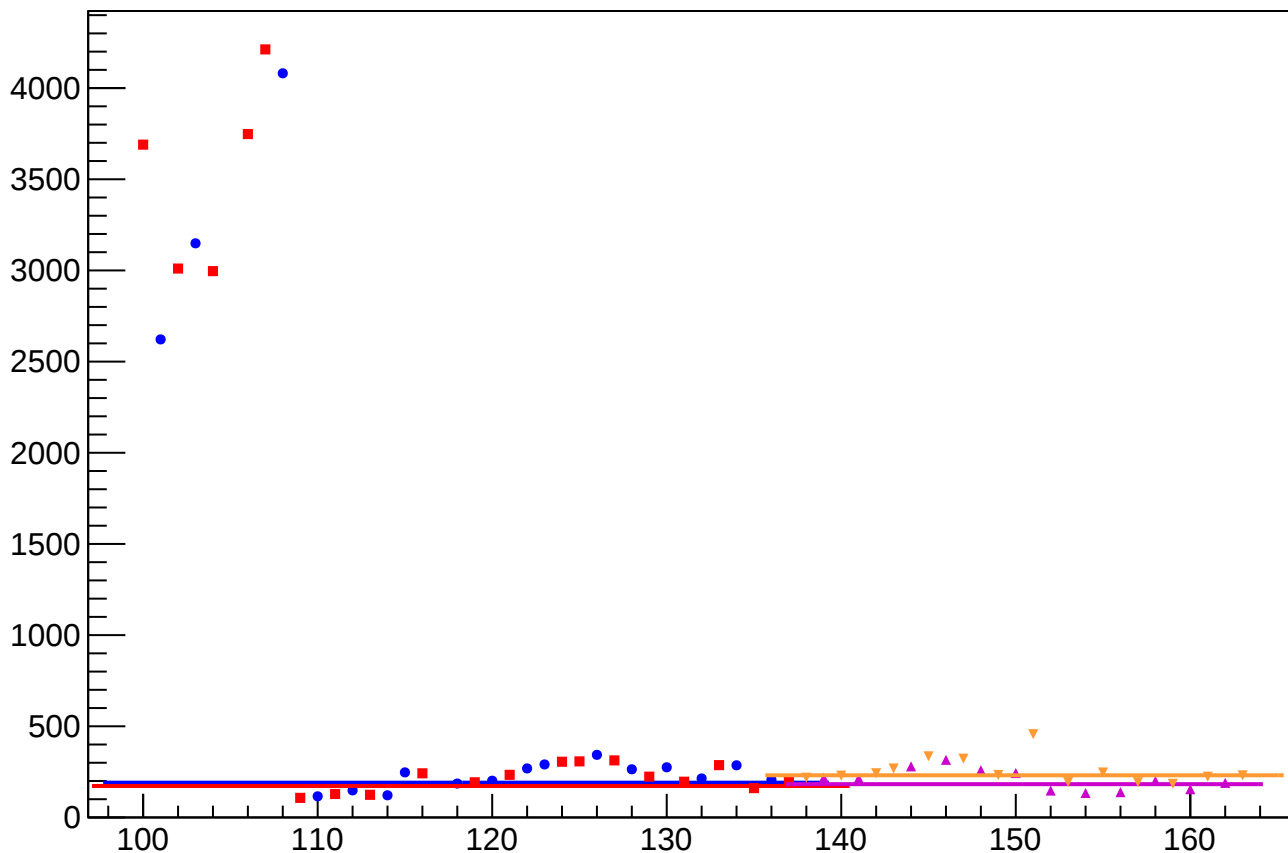
Right: 48.642+/-59.518 χ^2/NDF : 25.9/35

In: 74.761+/-50.972 χ^2/NDF : 17.7/28

Out: 9.943+/-54.457 χ^2/NDF : 17.3/32

All: 44.492+/-37.214 χ^2/NDF : 35.8/61

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: 231.267+/-0.052 χ^2/NDF : 893373.2/13

Right Out: 172.629+/-0.057 χ^2/NDF : 4218625.1/18

Left In: 182.588+/-0.044 χ^2/NDF : 1283935.3/11

Left: 202.911+/-0.034 χ^2/NDF : 2684198.0/25

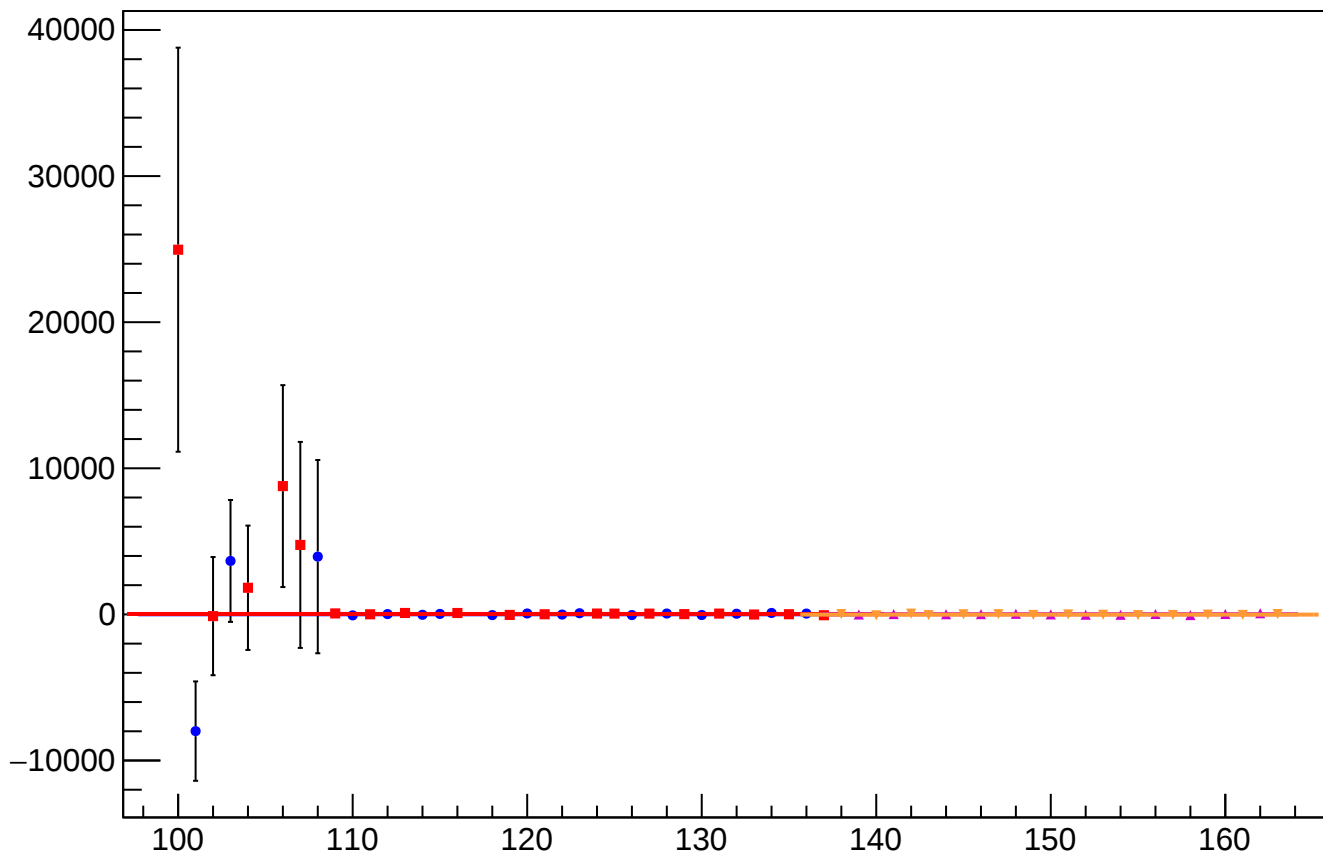
Right: 180.899+/-0.042 χ^2/NDF : 7849745.6/35

In: 185.324+/-0.036 χ^2/NDF : 4880438.1/28

Out: 204.557+/-0.039 χ^2/NDF : 5687134.9/32

All: 194.305+/-0.026 χ^2/NDF : 10700548.8/63

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: -14.981+/-9.156 χ^2/NDF : 10.7/13

Right Out: 29.397+/-12.333 χ^2/NDF : 16.8/18

Left In: 10.995+/-9.510 χ^2/NDF : 12.6/11

Left: -2.485+/-6.596 χ^2/NDF : 27.2/25

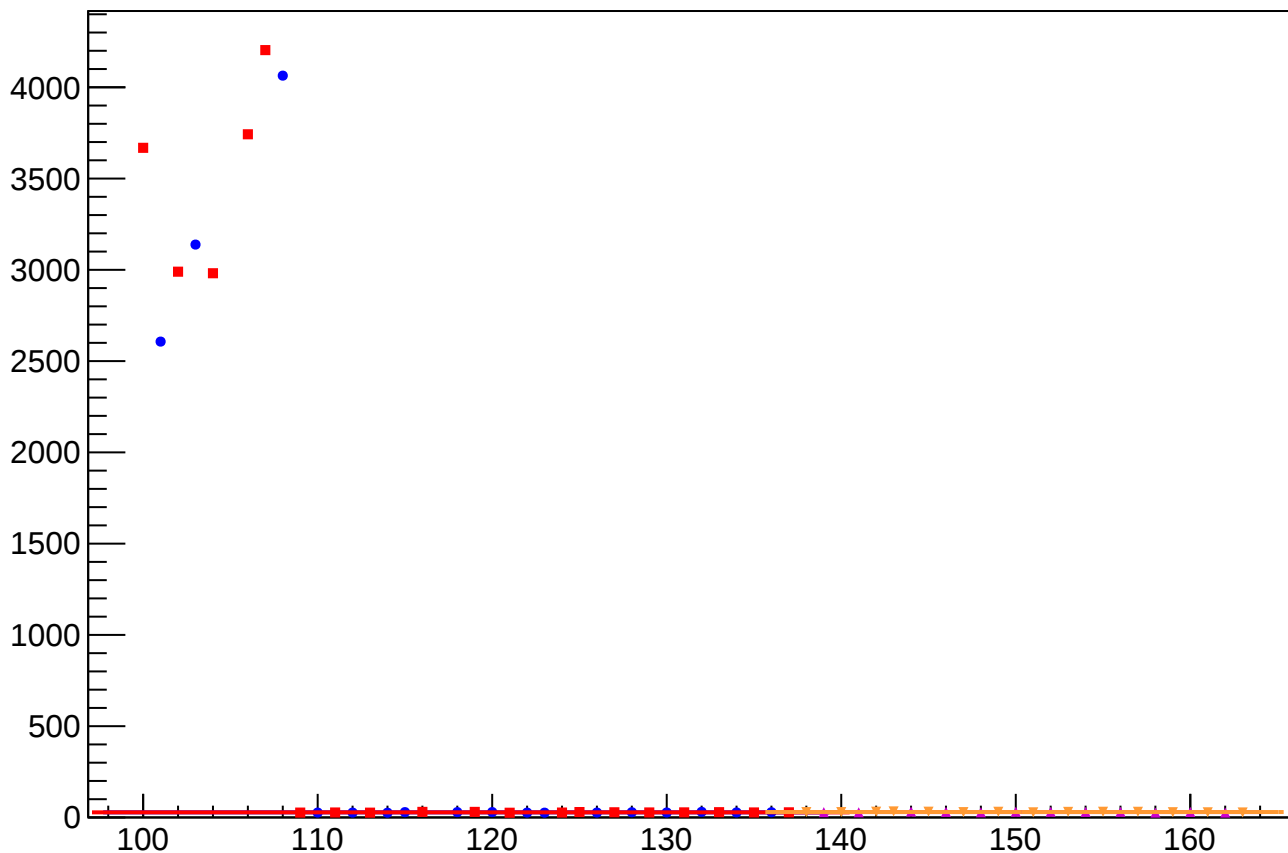
Right: 19.027+/-8.733 χ^2/NDF : 41.4/35

In: 10.105+/-7.539 χ^2/NDF : 35.8/28

Out: 0.787+/-7.352 χ^2/NDF : 35.9/32

All: 5.329+/-5.263 χ^2/NDF : 72.5/61

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 28.044+/-0.009 χ^2 /NDF: 3027898.7/16

Left Out: 29.708+/-0.006 χ^2 /NDF: 58812.7/13

Right Out: 27.918+/-0.009 χ^2 /NDF: 3479690.8/18

Left In: 29.599+/-0.007 χ^2 /NDF: 79055.9/11

Left: 29.656+/-0.005 χ^2 /NDF: 138006.3/25

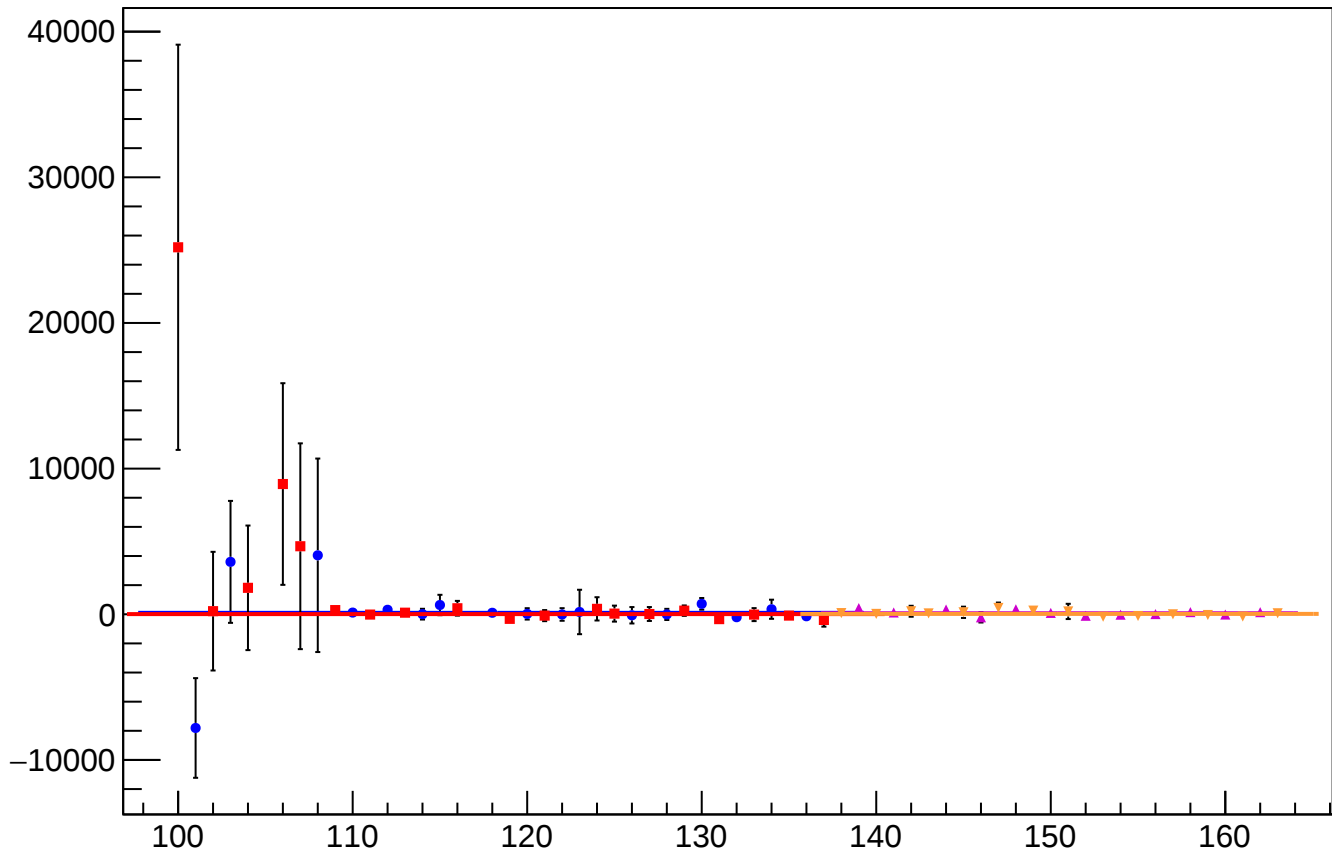
Right: 27.981+/-0.006 χ^2 /NDF: 6507693.6/35

In: 29.021+/-0.005 χ^2 /NDF: 3126820.5/28

Out: 29.072+/-0.005 χ^2 /NDF: 3565676.3/32

All: 29.047+/-0.004 χ^2 /NDF: 6692543.9/61

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: 26.742+/-74.656 χ^2/NDF : 4.1/13

Right Out: 11.728+/-81.772 χ^2/NDF : 12.3/18

Left In: 71.837+/-63.398 χ^2/NDF : 5.6/11

Left: 52.942+/-48.324 χ^2/NDF : 9.9/25

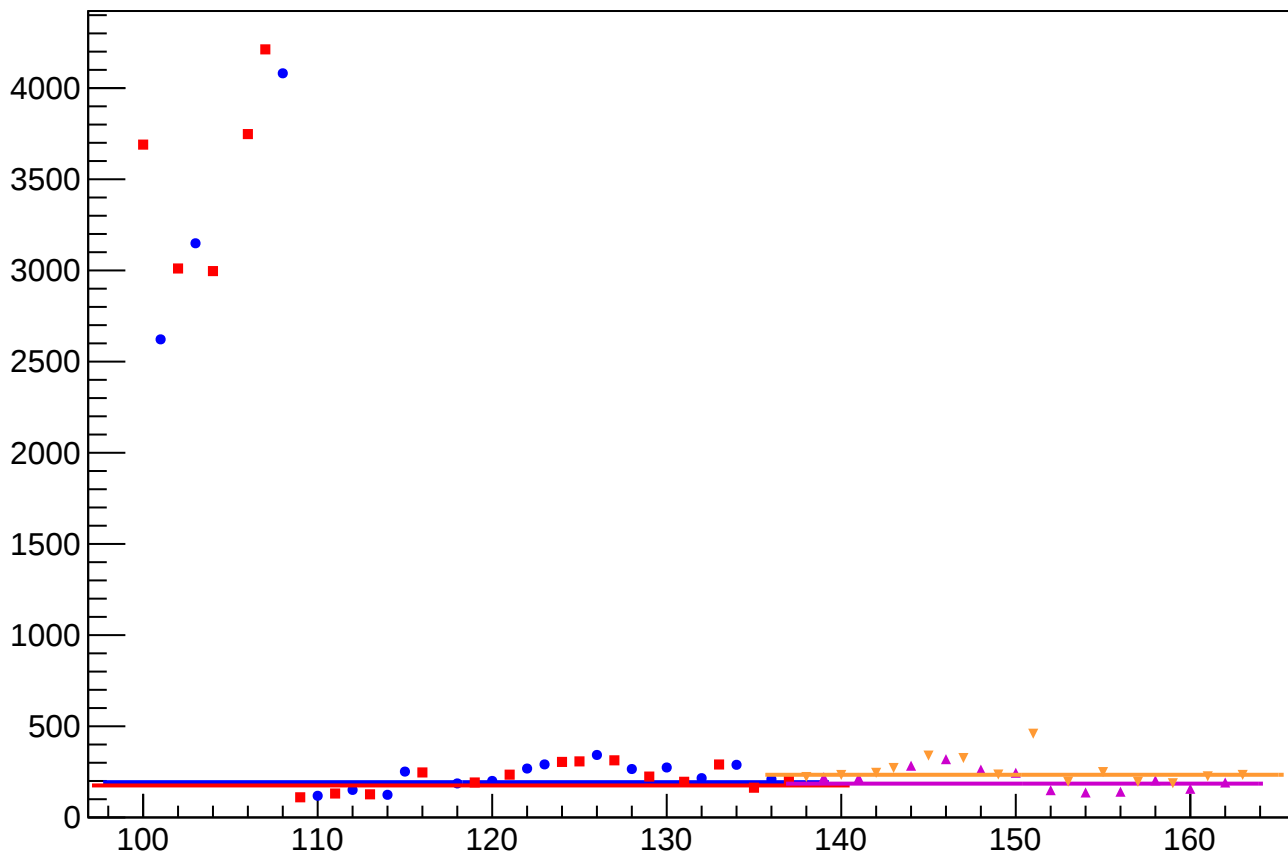
Right: 51.186+/-60.278 χ^2/NDF : 25.3/35

In: 80.665+/-51.676 χ^2/NDF : 18.2/28

Out: 19.916+/-55.134 χ^2/NDF : 16.4/32

All: 52.255+/-37.704 χ^2/NDF : 35.2/61

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.516+/-0.063 χ^2/NDF : 3536947.8/16

Left Out: 234.070+/-0.053 χ^2/NDF : 883895.4/13

Right Out: 175.509+/-0.058 χ^2/NDF : 4165575.9/18

Left In: 185.496+/-0.045 χ^2/NDF : 1258311.1/11

Left: 205.849+/-0.034 χ^2/NDF : 2634126.5/25

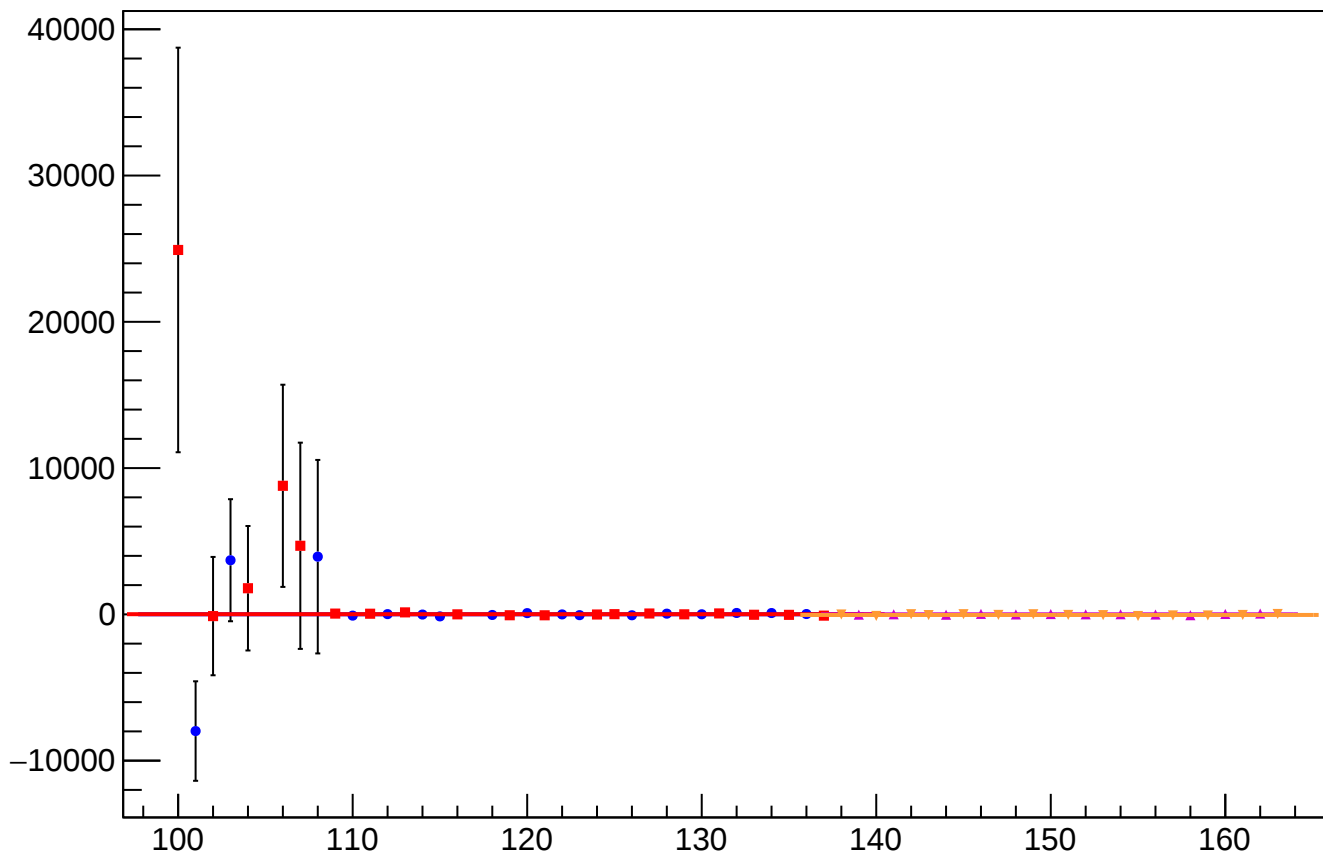
Right: 183.732+/-0.043 χ^2/NDF : 7746808.4/35

In: 188.188+/-0.037 χ^2/NDF : 4806000.2/28

Out: 207.449+/-0.039 χ^2/NDF : 5608907.0/32

All: 197.195+/-0.027 χ^2/NDF : 10544841.2/63

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.565+/-15.052 χ^2/NDF : 20.4/16

Left Out: -39.146+/-10.788 χ^2/NDF :15.2/13

Right Out: 12.158+/-14.952 χ^2/NDF : 21.9/18

Left In: 3.809+/-11.241 χ^2/NDF :6.9/11

Left: -18.552+/-7.783 χ^2/NDF : 29.7/25

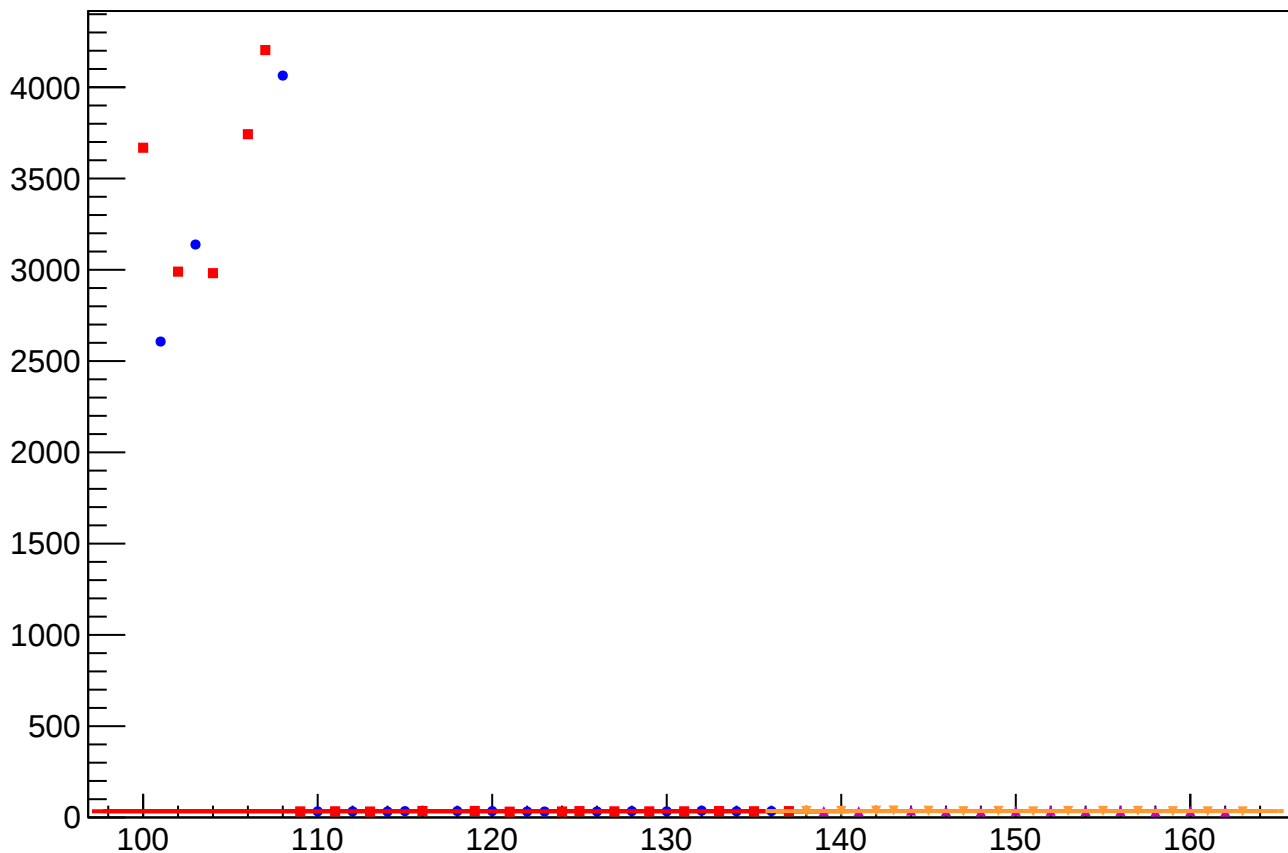
Right: 8.883+/-10.608 χ^2/NDF : 42.5/35

In: 4.437+/-9.006 χ^2/NDF :27.4/28

Out: -21.583+/-8.748 χ^2/NDF :44.9/32

All: -8.951+/-6.275 χ^2/NDF : 76.6/61

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 34.168+/-0.011 χ^2/NDF : 3006512.8/16

Left Out: 35.053+/-0.008 χ^2/NDF : 32606.8/13

Right Out: 33.913+/-0.011 χ^2/NDF : 3451912.6/18

Left In: 35.056+/-0.008 χ^2/NDF : 35878.2/11

Left: 35.054+/-0.006 χ^2/NDF : 68485.1/25

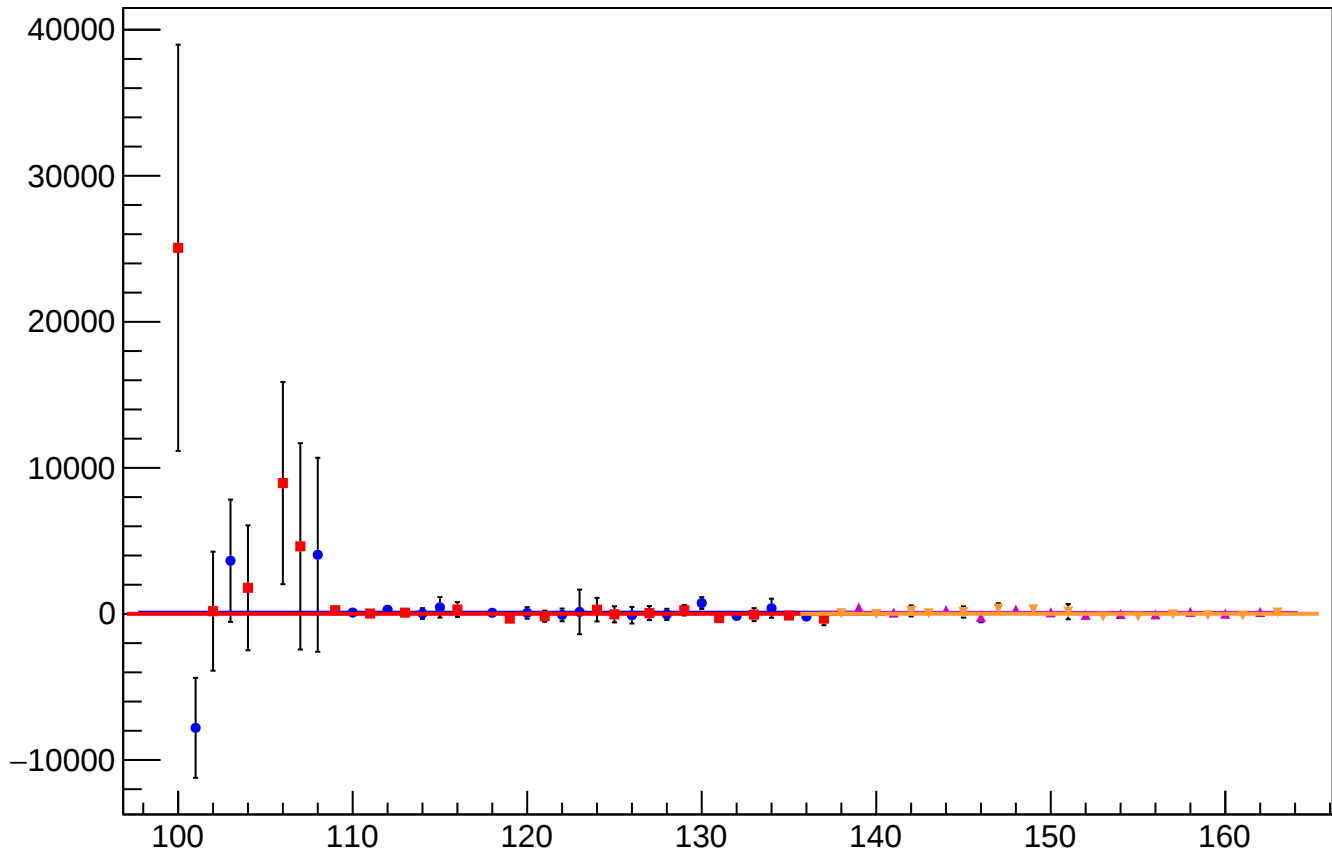
Right: 34.039+/-0.008 χ^2/NDF : 6458714.0/35

In: 34.738+/-0.006 χ^2/NDF : 3046861.1/28

Out: 34.663+/-0.006 χ^2/NDF : 3492168.9/32

All: 34.699+/-0.004 χ^2/NDF : 6539101.4/61

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: 10.562+/-74.461 χ^2/NDF : 4.5/13

Right Out: 8.565+/-81.257 χ^2/NDF : 11.1/18

Left In: 71.774+/-63.199 χ^2/NDF : 4.9/11

Left: 46.143+/-48.183 χ^2/NDF : 9.9/25

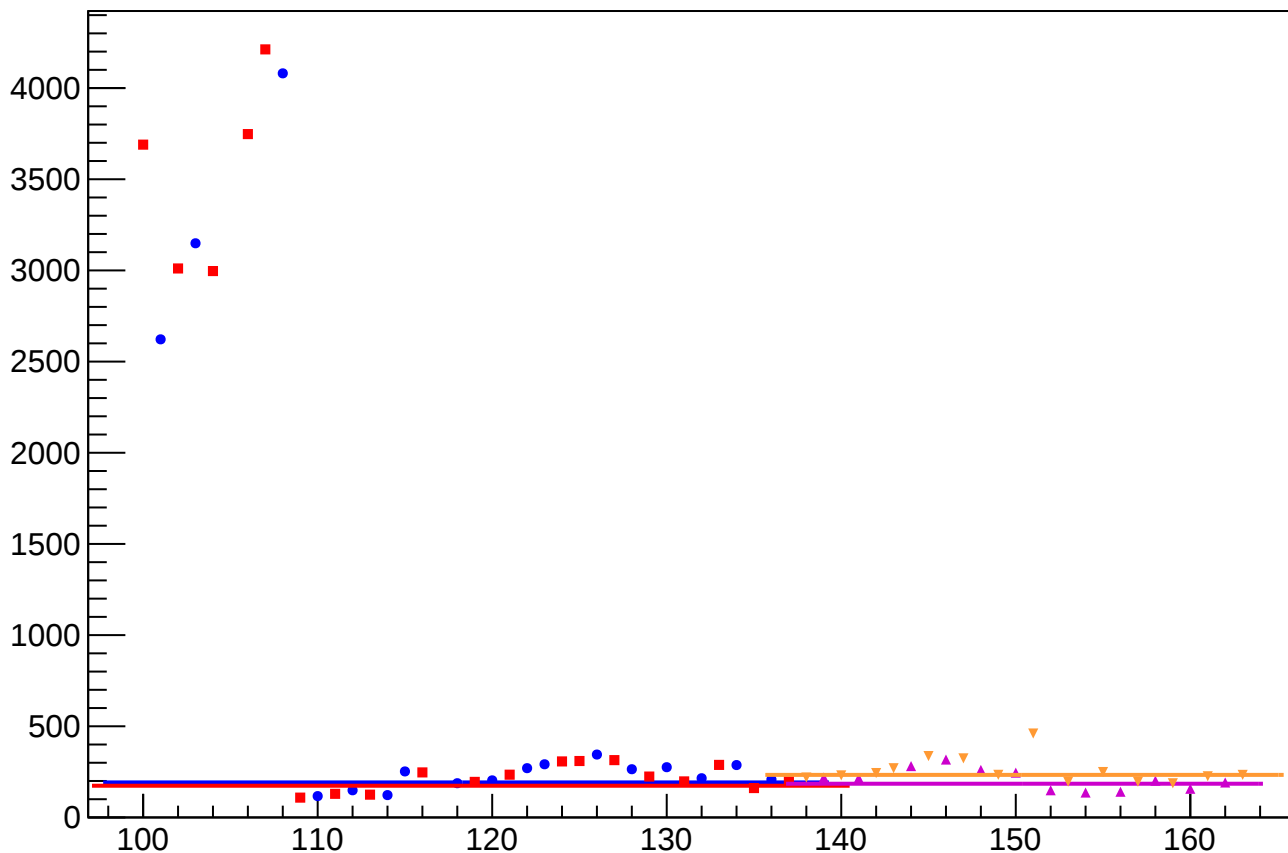
Right: 43.196+/-59.931 χ^2/NDF : 24.0/35

In: 76.058+/-51.479 χ^2/NDF : 17.5/28

Out: 9.651+/-54.898 χ^2/NDF : 15.6/32

All: 44.986+/-37.552 χ^2/NDF : 33.9/61

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: 233.474+/-0.053 χ^2/NDF : 877026.6/13

Right Out: 173.961+/-0.057 χ^2/NDF : 4211616.2/18

Left In: 184.939+/-0.045 χ^2/NDF : 1243687.6/11

Left: 205.262+/-0.034 χ^2/NDF : 2614635.9/25

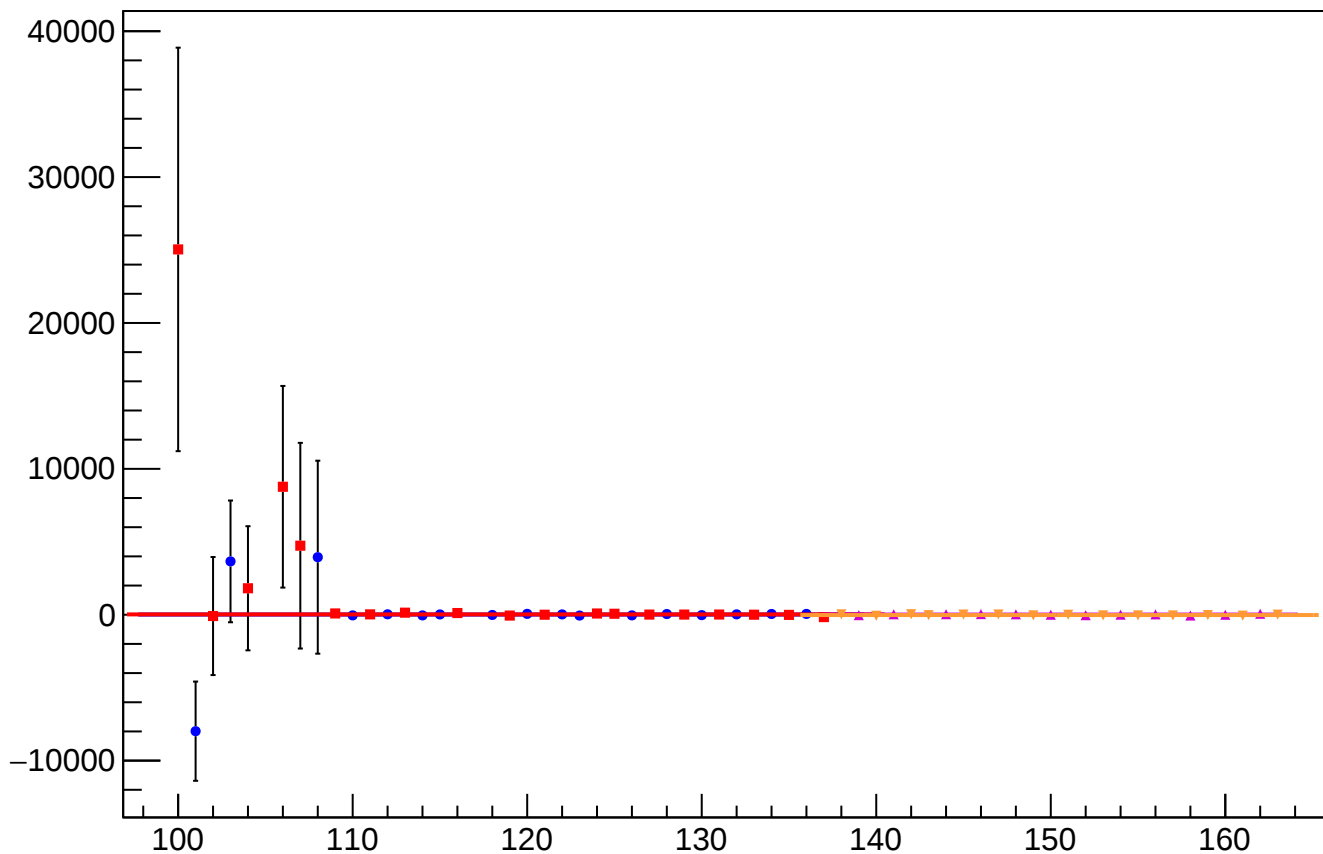
Right: 182.268+/-0.042 χ^2/NDF : 7832071.5/35

In: 187.374+/-0.036 χ^2/NDF : 4827131.8/28

Out: 206.310+/-0.039 χ^2/NDF : 5671798.4/32

All: 196.234+/-0.027 χ^2/NDF : 10625537.0/63

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: -22.316+/-9.783 χ^2/NDF : 11.2/13

Right Out: 22.618+/-13.660 χ^2/NDF : 28.0/18

Left In: 10.800+/-10.188 χ^2/NDF : 11.9/11

Left: -6.431+/-7.056 χ^2/NDF : 28.6/25

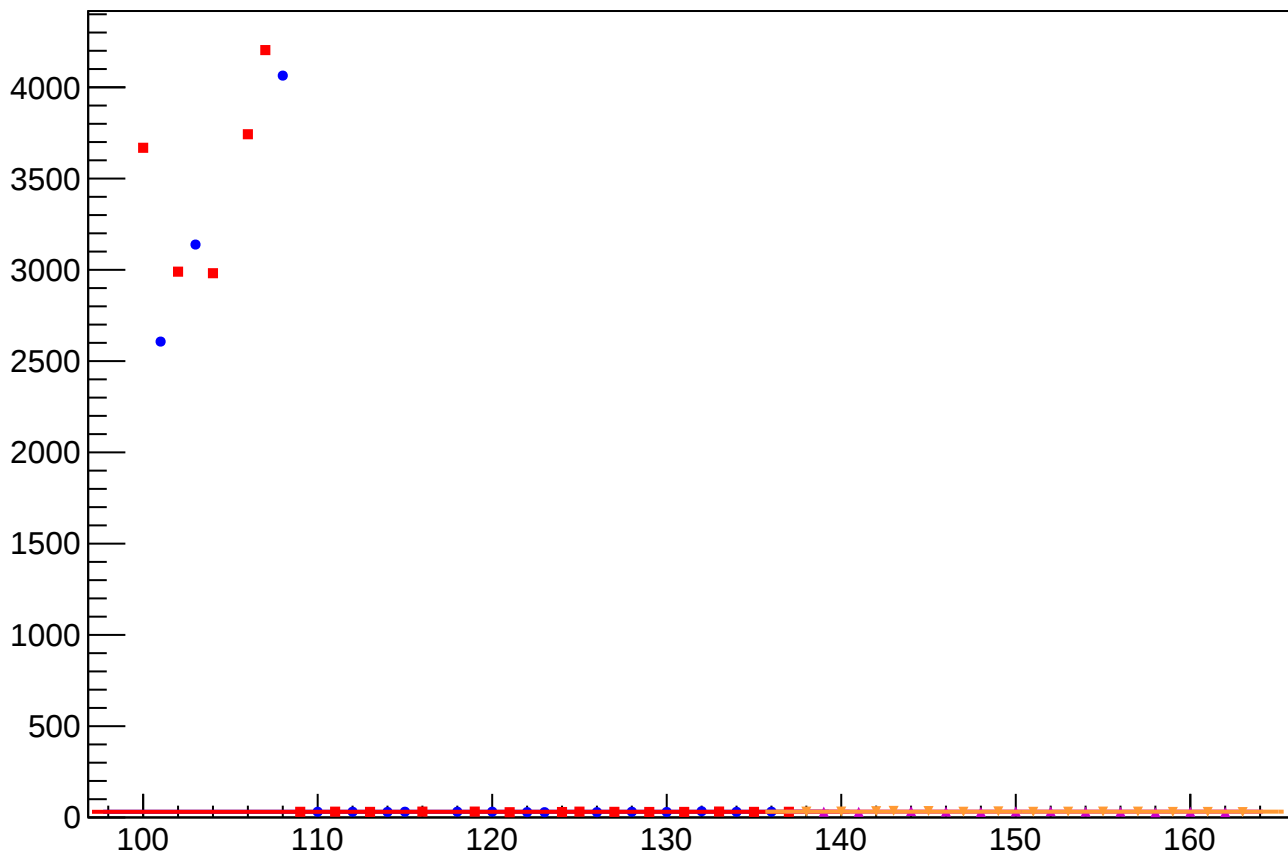
Right: 17.707+/-9.681 χ^2/NDF : 42.9/35

In: 11.493+/-8.180 χ^2/NDF : 26.6/28

Out: -7.084+/-7.953 χ^2/NDF : 46.3/32

All: 1.944+/-5.702 χ^2/NDF : 75.5/61

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: 31.750+/-0.007 χ^2/NDF : 59380.5/13

Right Out: 30.963+/-0.010 χ^2/NDF : 3458924.5/18

Left In: 31.717+/-0.007 χ^2/NDF : 64901.8/11

Left: 31.734+/-0.005 χ^2/NDF : 124292.9/25

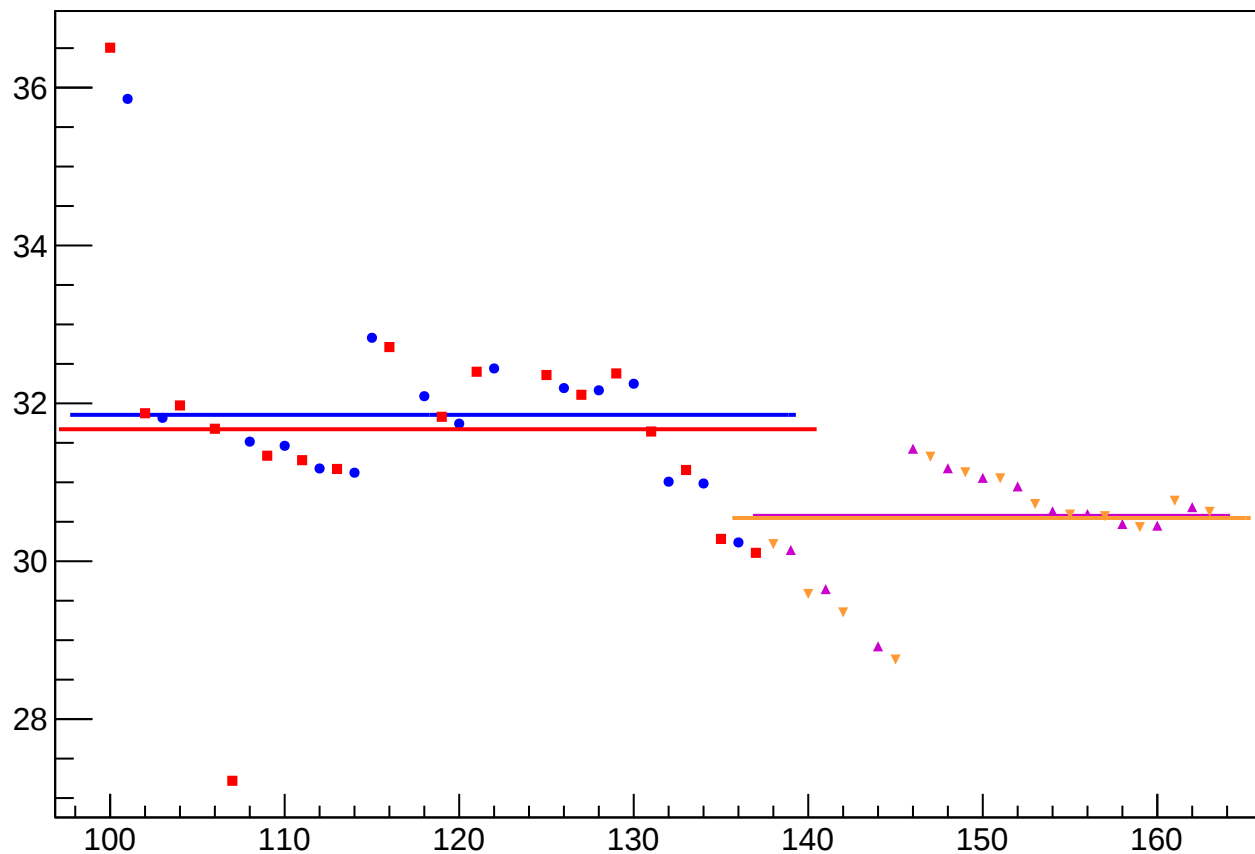
Right: 31.057+/-0.007 χ^2/NDF : 6473633.0/35

In: 31.517+/-0.006 χ^2/NDF : 3081595.4/28

Out: 31.483+/-0.006 χ^2/NDF : 3522693.7/32

All: 31.499+/-0.004 χ^2/NDF : 6604306.7/61

yield_usl_mean vs Slug, Sign Corrected



Right In: 31.855+/-0.000

χ^2/NDF : 1570522165.5/15

Left: 30.561+/-0.000

χ^2/NDF : 1162704953.1/24

Left Out: 30.548+/-0.000

χ^2/NDF : 596258141.4/12

Right: 31.765+/-0.000

χ^2/NDF : 2508641774.0/33

Right Out: 31.672+/-0.000

χ^2/NDF : 917899841.8/17

In: 31.178+/-0.000

χ^2/NDF : 3213193421.1/27

Out: 31.058+/-0.000

χ^2/NDF : 2338261185.0/30

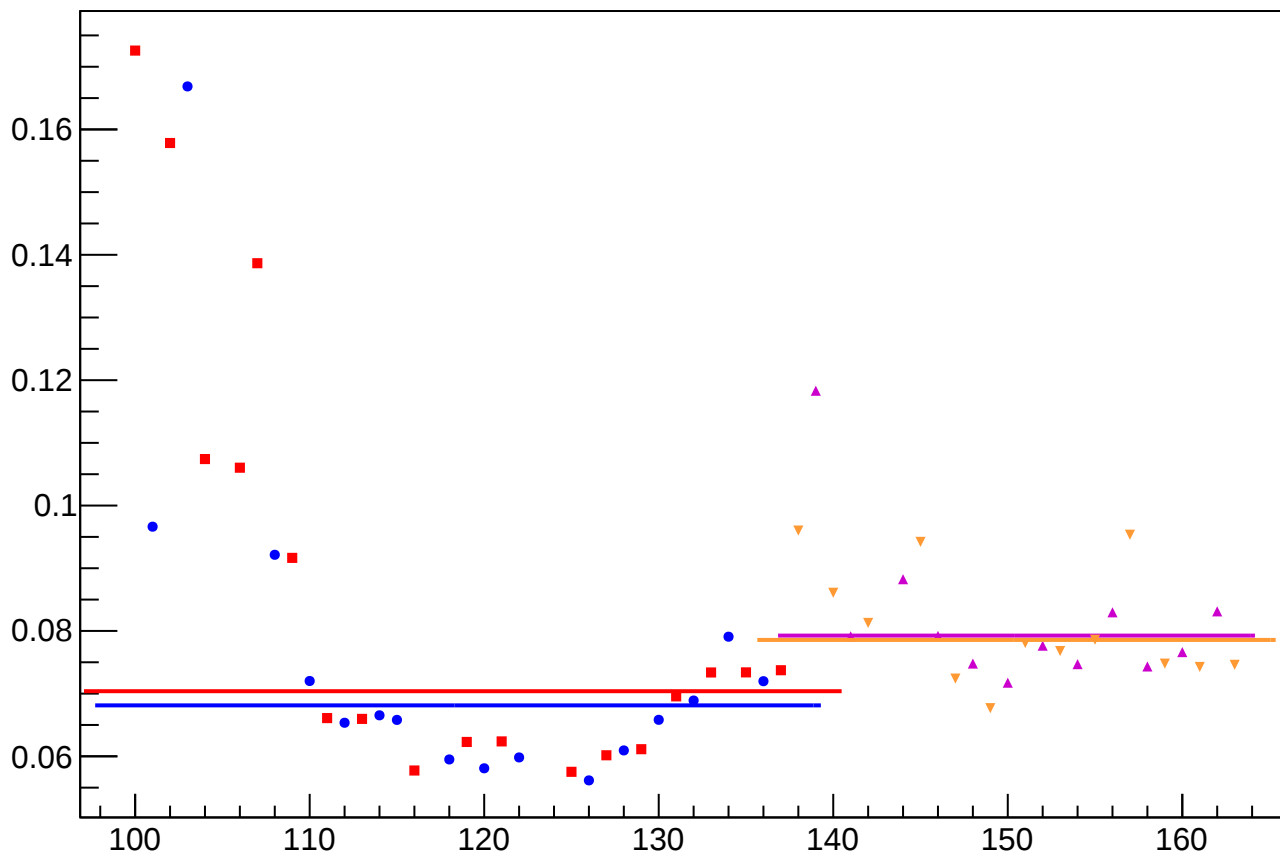
Left In: 30.575+/-0.000

χ^2/NDF : 565942002.4/11

All: 31.118+/-0.000

χ^2/NDF : 5570333944.7/5

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:196627.6/12

Right Out: 0.070 $\pm$ 0.000 χ^2 /NDF: 841320.1/17

Left In: 0.079 $\pm$ 0.000 χ^2 /NDF:211040.5/11

Left: 0.079 $\pm$ 0.000 χ^2 /NDF: 408342.3/24

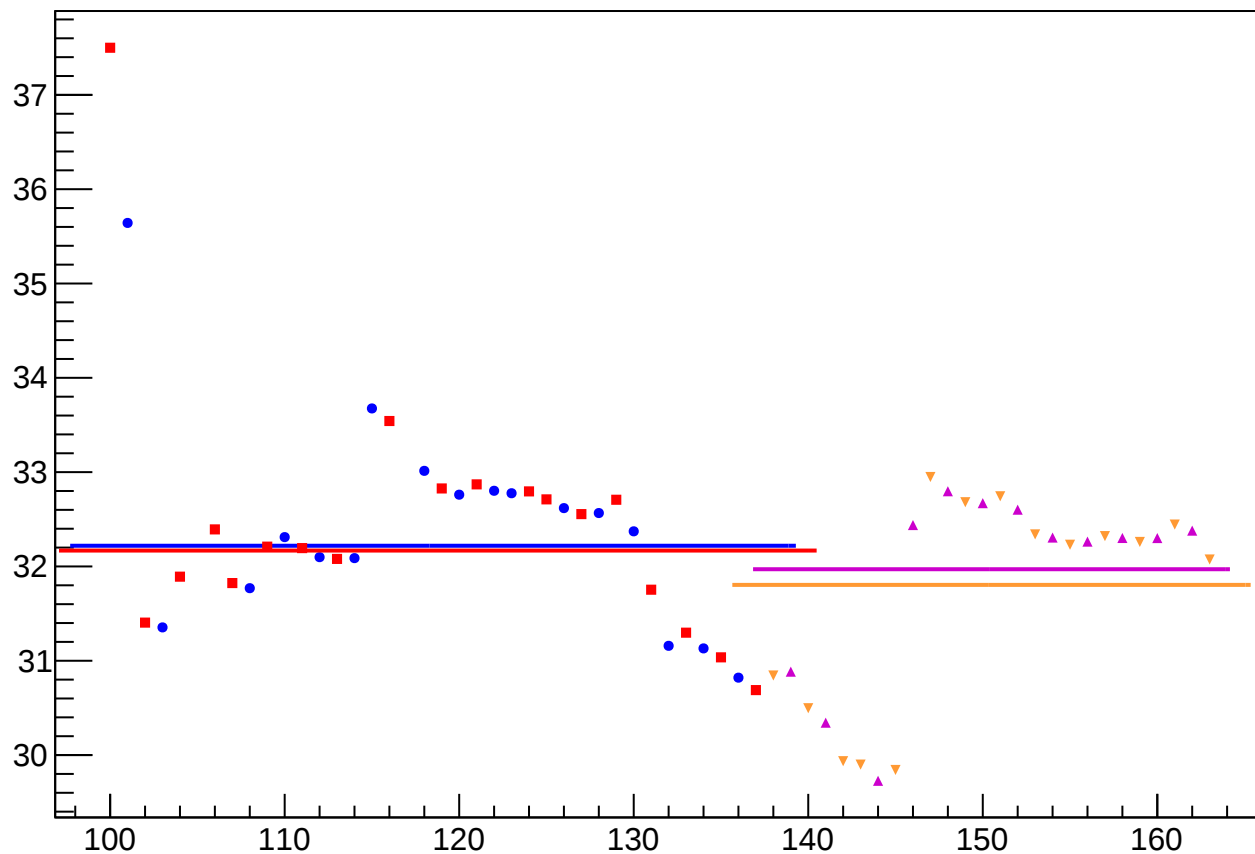
Right: 0.069 $\pm$ 0.000 χ^2 /NDF: 1477315.9/33

In: 0.074 $\pm$ 0.000 χ^2 /NDF:1003705.7/27

Out: 0.075 $\pm$ 0.000 χ^2 /NDF:1125184.9/30

All: 0.074 $\pm$ 0.000 χ^2 /NDF: 2130769.4/58

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.220+/-0.000 χ^2/NDF : 1013864543.3/16

Left Out: 31.804+/-0.000 χ^2/NDF : 1811830467.1/13

Right Out: 32.168+/-0.000 χ^2/NDF : 442298310.3/18

Left In: 31.971+/-0.000 χ^2/NDF : 1393843342.5/11

Left: 31.884+/-0.000 χ^2/NDF : 3226323927.9/25

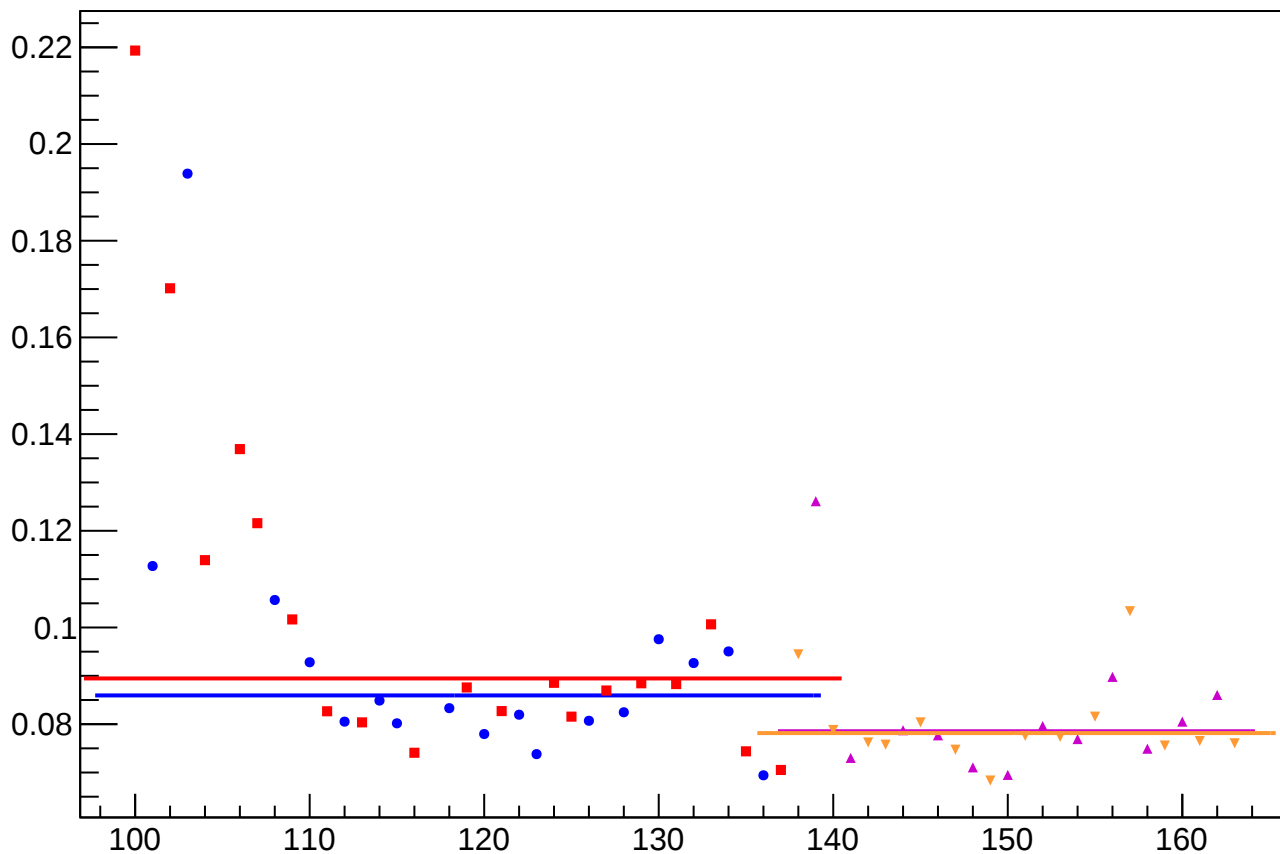
Right: 32.194+/-0.000 χ^2/NDF : 1457173552.7/35

In: 32.058+/-0.000 χ^2/NDF : 2439196914.8/28

Out: 31.925+/-0.000 χ^2/NDF : 2322279232.8/32

All: 31.990+/-0.000 χ^2/NDF : 4781808008.9/66

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF : 553280.3/16

Left Out: 0.078+/-0.000 χ^2/NDF :159795.6/13

Right Out: 0.089+/-0.000 χ^2/NDF : 539869.9/18

Left In: 0.079+/-0.000 χ^2/NDF :291189.4/11

Left: 0.078+/-0.000 χ^2/NDF : 451197.7/25

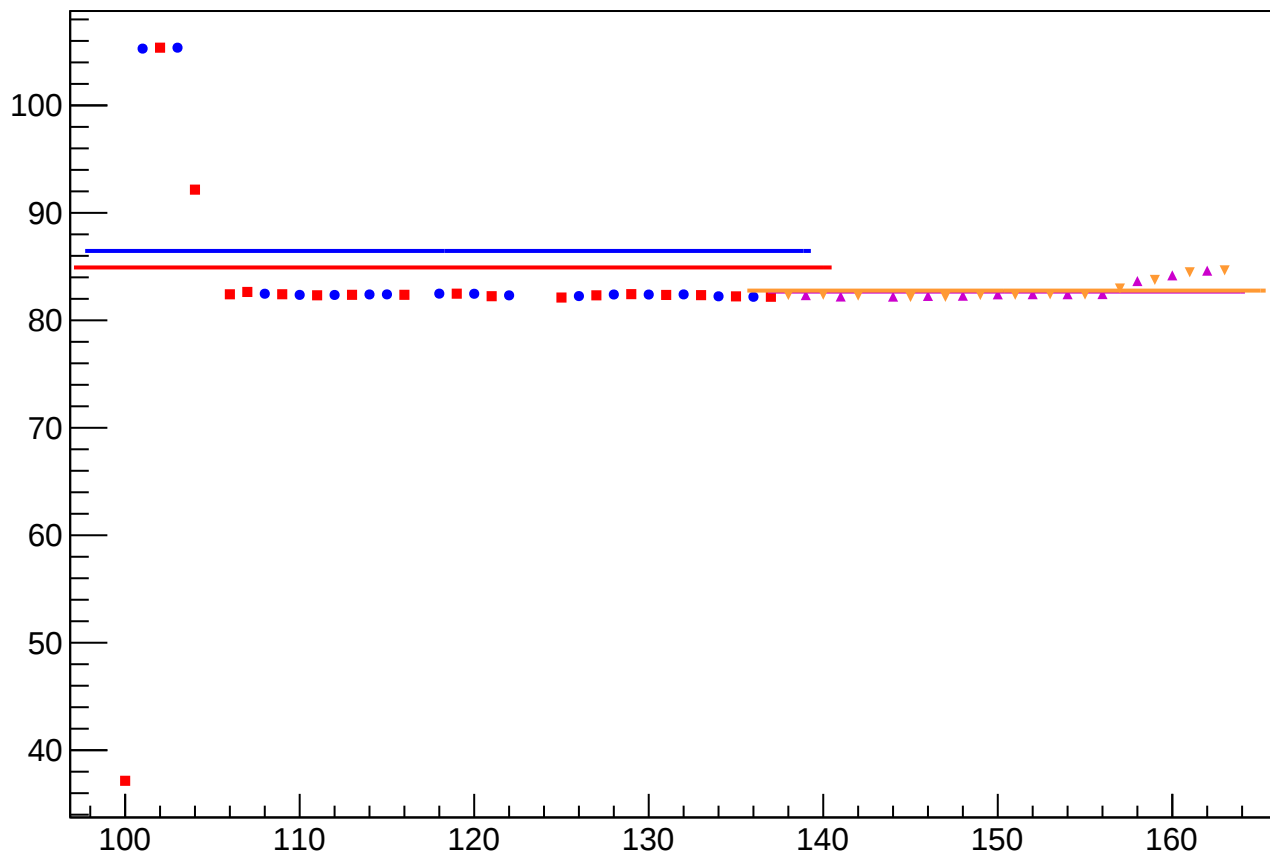
Right: 0.088+/-0.000 χ^2/NDF : 1102728.3/35

In: 0.081+/-0.000 χ^2/NDF :900247.7/28

Out: 0.082+/-0.000 χ^2/NDF :830988.8/32

All: 0.082+/-0.000 χ^2/NDF : 1732483.8/61

yield_dsl_mean vs Slug, Sign Corrected



Right In: 86.457+/-0.000

χ^2/NDF : 291421048436.2/15

Left: 82.720+/-0.000

χ^2/NDF : 5908090743.2/24

Left Out: 82.767+/-0.000

χ^2/NDF : 3224346193.2/12

Right: 85.675+/-0.000

χ^2/NDF : 468146833571.9/33

Right Out: 84.920+/-0.000

χ^2/NDF : 172195187677.7/17

In: 84.302+/-0.000

χ^2/NDF : 324812593760.2/27

Out: 83.717+/-0.000

χ^2/NDF : 185533118245.8/30

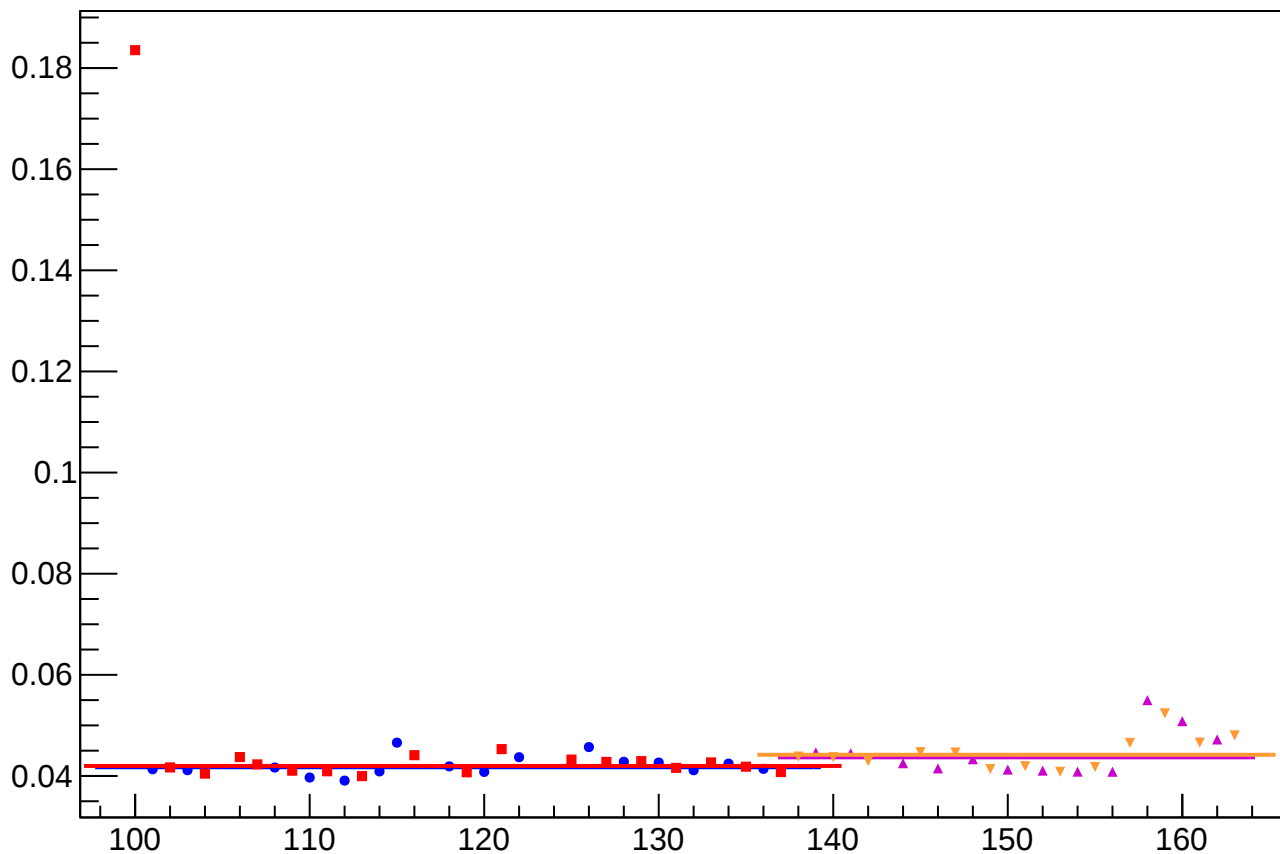
Left In: 82.673+/-0.000

χ^2/NDF : 2662005284.7/11

All: 84.008+/-0.000

χ^2/NDF : 511851294856.2/100

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042 $\pm$ 0.000 χ^2 /NDF: 18887.0/15

Left Out: 0.044 $\pm$ 0.000 χ^2 /NDF:85604.1/12

Right Out: 0.042 $\pm$ 0.000 χ^2 /NDF: 96869.3/17

Left In: 0.044 $\pm$ 0.000 χ^2 /NDF:140913.1/11

Left: 0.044 $\pm$ 0.000 χ^2 /NDF: 227790.9/24

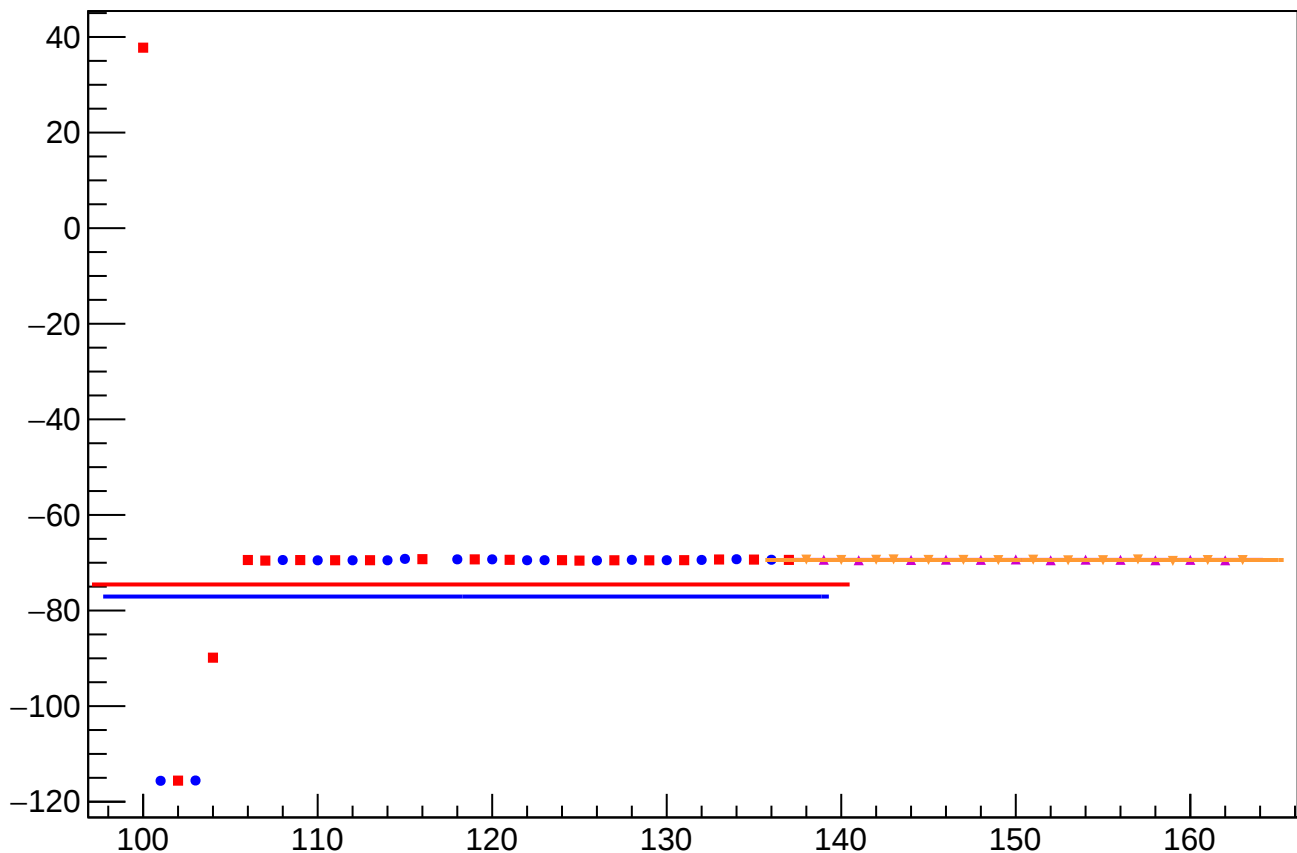
Right: 0.042 $\pm$ 0.000 χ^2 /NDF: 116001.6/33

In: 0.043 $\pm$ 0.000 χ^2 /NDF:176212.5/27

Out: 0.043 $\pm$ 0.000 χ^2 /NDF:203762.9/30

All: 0.043 $\pm$ 0.000 χ^2 /NDF: 381202.0/58

yield_dsr_mean vs Slug, Sign Corrected



Right In: -77.074+/-0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.427+/-0.000 χ^2/NDF : 20430100.0/13

Right Out: -74.547+/-0.000 χ^2/NDF : 371890102737.4/18

Left In: -69.403+/-0.000 χ^2/NDF : 9125285.4/11

Left: -69.416+/-0.000 χ^2/NDF : 30446929.9/25

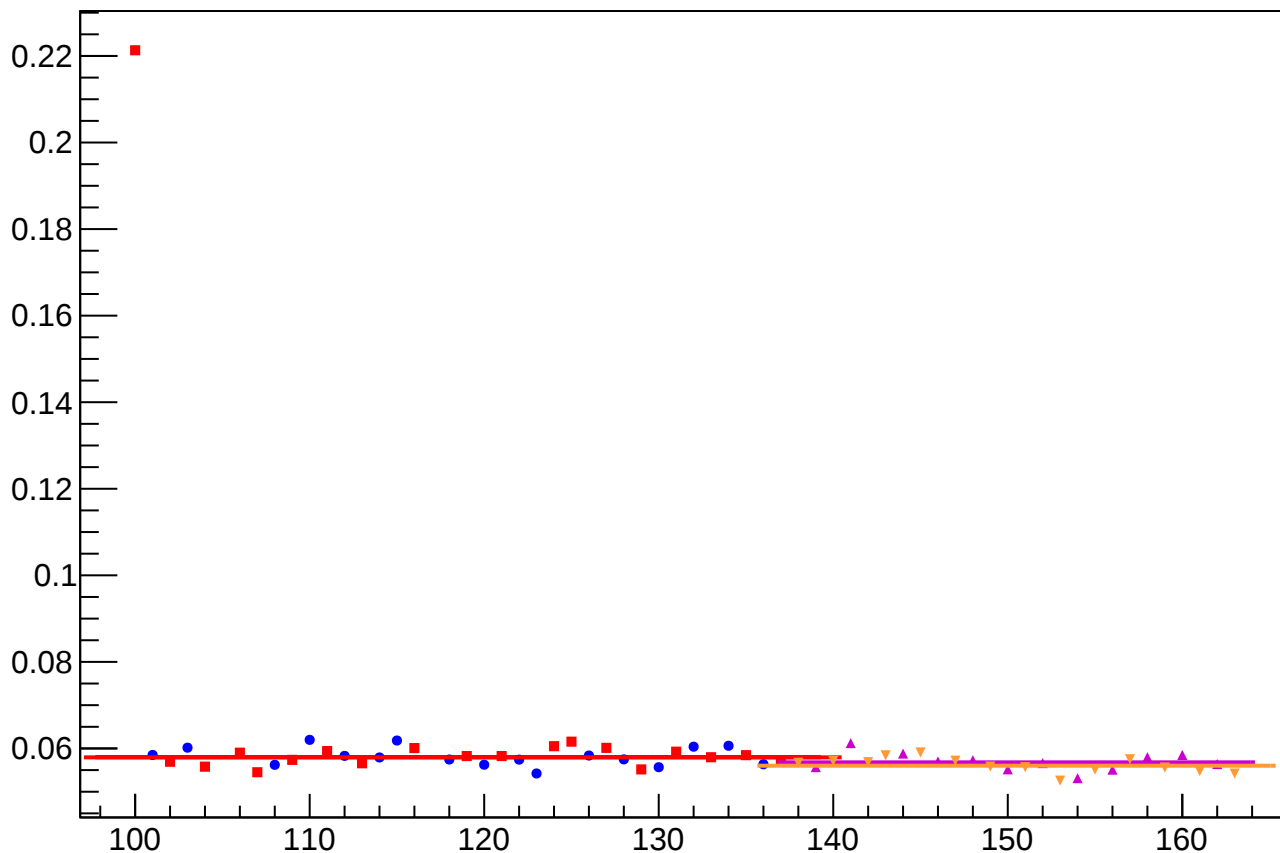
Right: -75.769+/-0.000 χ^2/NDF : 943595296169.5/32

In: -72.442+/-0.000 χ^2/NDF : 633446006254.8/28

Out: -71.403+/-0.000 χ^2/NDF : 404779393344.1/32

All: -71.899+/-0.000 χ^2/NDF : 104095065486

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 : 18390.7/13

Right Out: 0.058+/-0.000 χ^2/NDF : 86466.5/18

Left In: 0.057+/-0.000 χ^2/NDF : 23865.8/11

Left: 0.056+/-0.000 χ^2/NDF : 44106.8/25

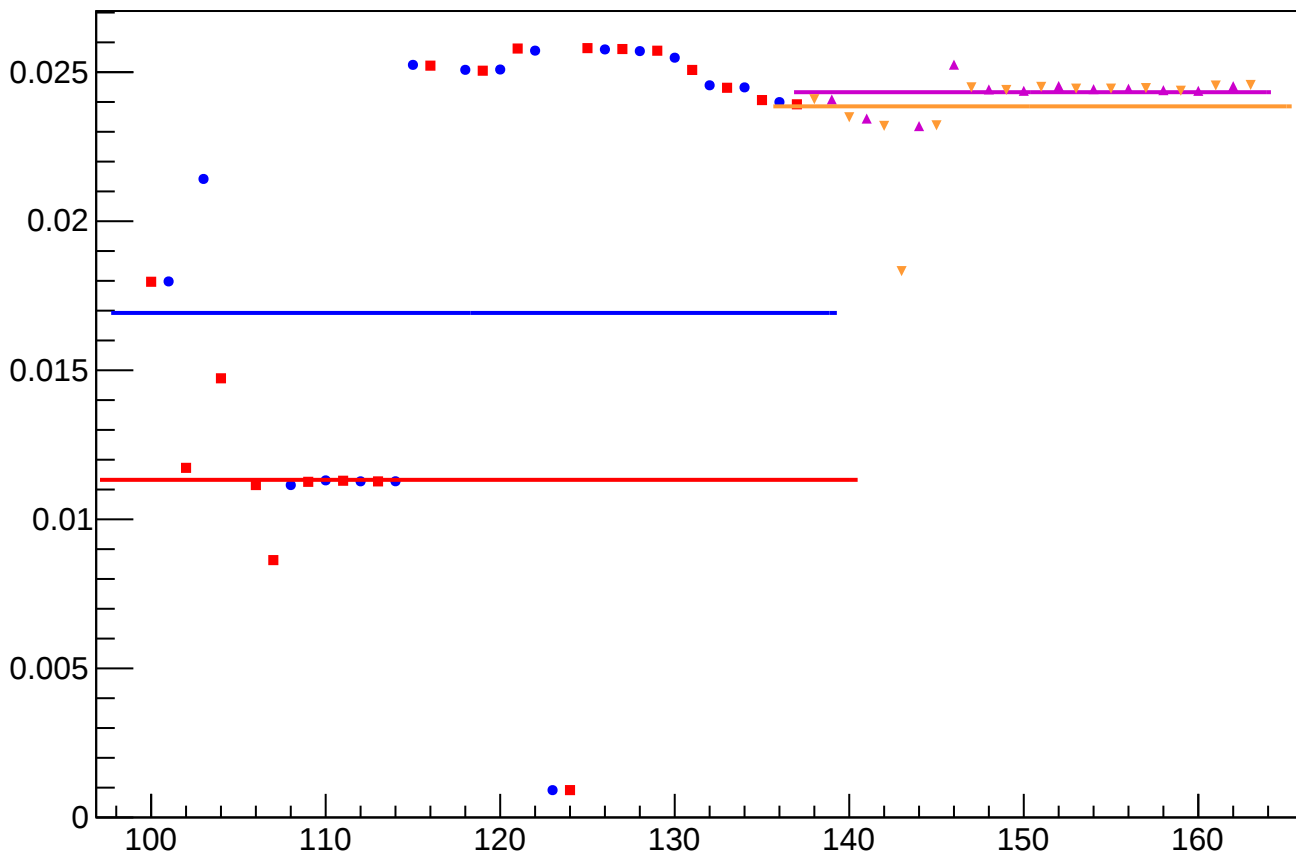
Right: 0.058+/-0.000 χ^2/NDF : 98743.9/35

In: 0.057+/-0.000 χ^2/NDF : 39381.5/28

Out: 0.057+/-0.000 χ^2/NDF : 114191.8/32

All: 0.057+/-0.000 χ^2/NDF : 154836.0/61

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.017 $\pm$ 0.000

χ^2/NDF : 126447785006.7/16

Left: 0.024 $\pm$ 0.000

χ^2/NDF : 5783550842.8/25

Left Out: 0.024 $\pm$ 0.000

χ^2/NDF : 5140591504.8/13

Right: 0.014 $\pm$ 0.000

χ^2/NDF : 392122680736.2/35

Right Out: 0.011 $\pm$ 0.000

χ^2/NDF : 234754769754.2/18

In: 0.021 $\pm$ 0.000

χ^2/NDF : 175310487369.6/28

Out: 0.017 $\pm$ 0.000

χ^2/NDF : 412427184515.5/32

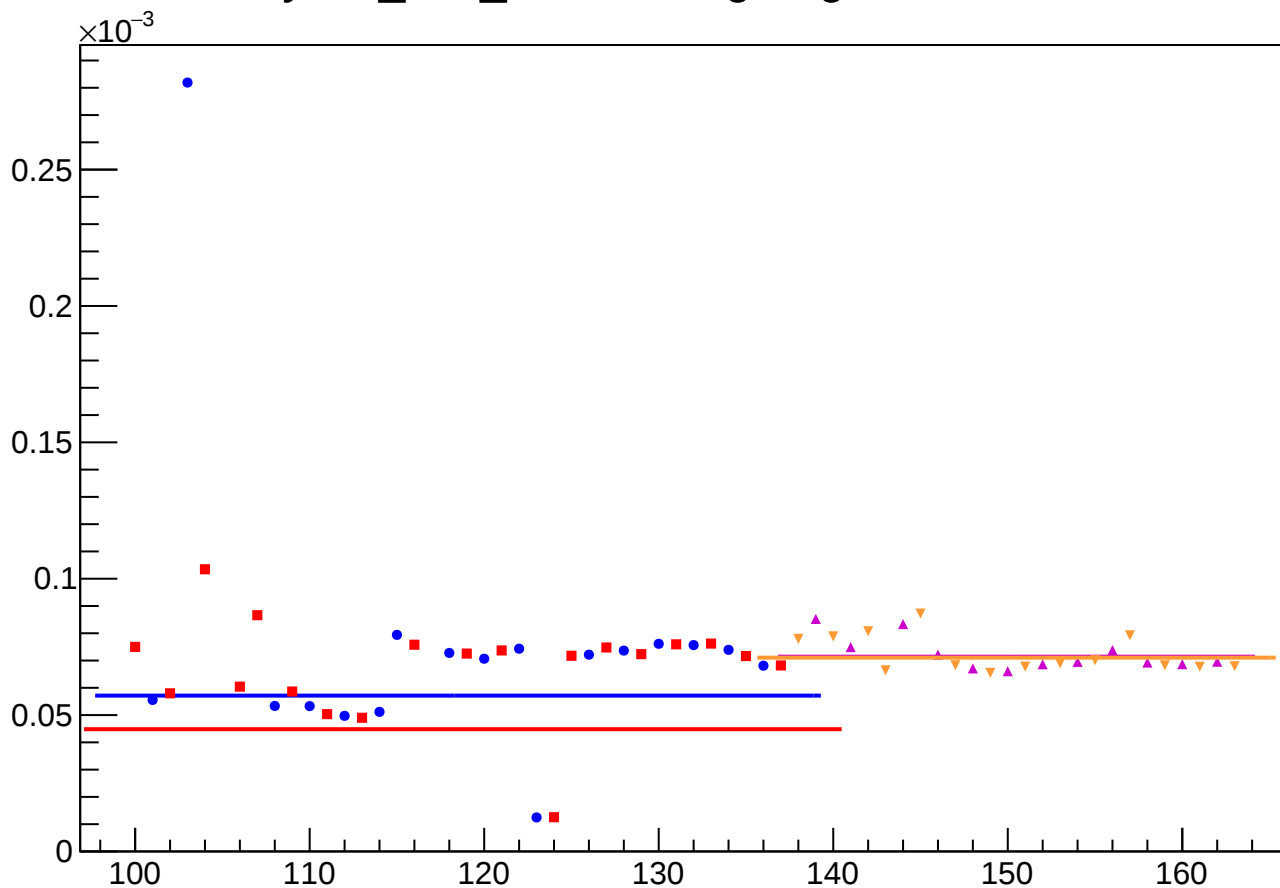
Left In: 0.024 $\pm$ 0.000

χ^2/NDF : 423462598.4/11

All: 0.019 $\pm$ 0.000

χ^2/NDF : 615447129322.2

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 :139123.3/13

Right Out: 0.000+/-0.000 χ^2/NDF : 3592224.4/18

Left In: 0.000+/-0.000 χ^2/NDF :103698.8/11

Left: 0.000+/-0.000 χ^2/NDF : 243082.4/25

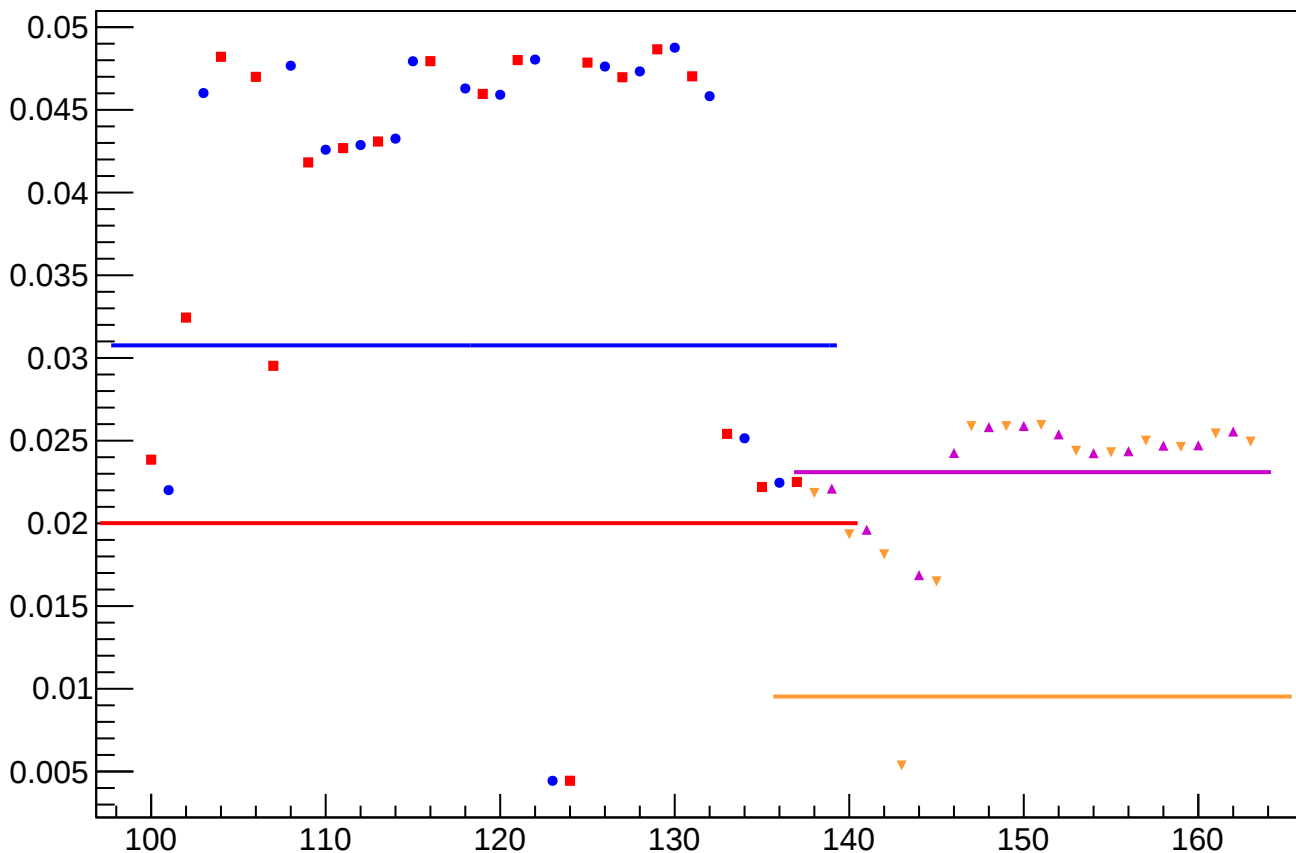
Right: 0.000+/-0.000 χ^2/NDF : 5891779.4/35

In: 0.000+/-0.000 χ^2/NDF :2464587.6/28

Out: 0.000+/-0.000 χ^2/NDF :5243884.3/32

All: 0.000+/-0.000 χ^2/NDF : 7948217.2/61

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.000

χ^2/NDF : 21174738549.0/16

Left: 0.012+/-0.000

χ^2/NDF : 43225211083.1/25

Left Out: 0.010+/-0.000

χ^2/NDF : 26848482391.8/13

Right: 0.024+/-0.000

χ^2/NDF : 66286425044.9/35

Right Out: 0.020+/-0.000

χ^2/NDF : 40011334157.0/18

In: 0.026+/-0.000

χ^2/NDF : 24664645587.7/28

Out: 0.012+/-0.000

χ^2/NDF : 77113437160.1/32

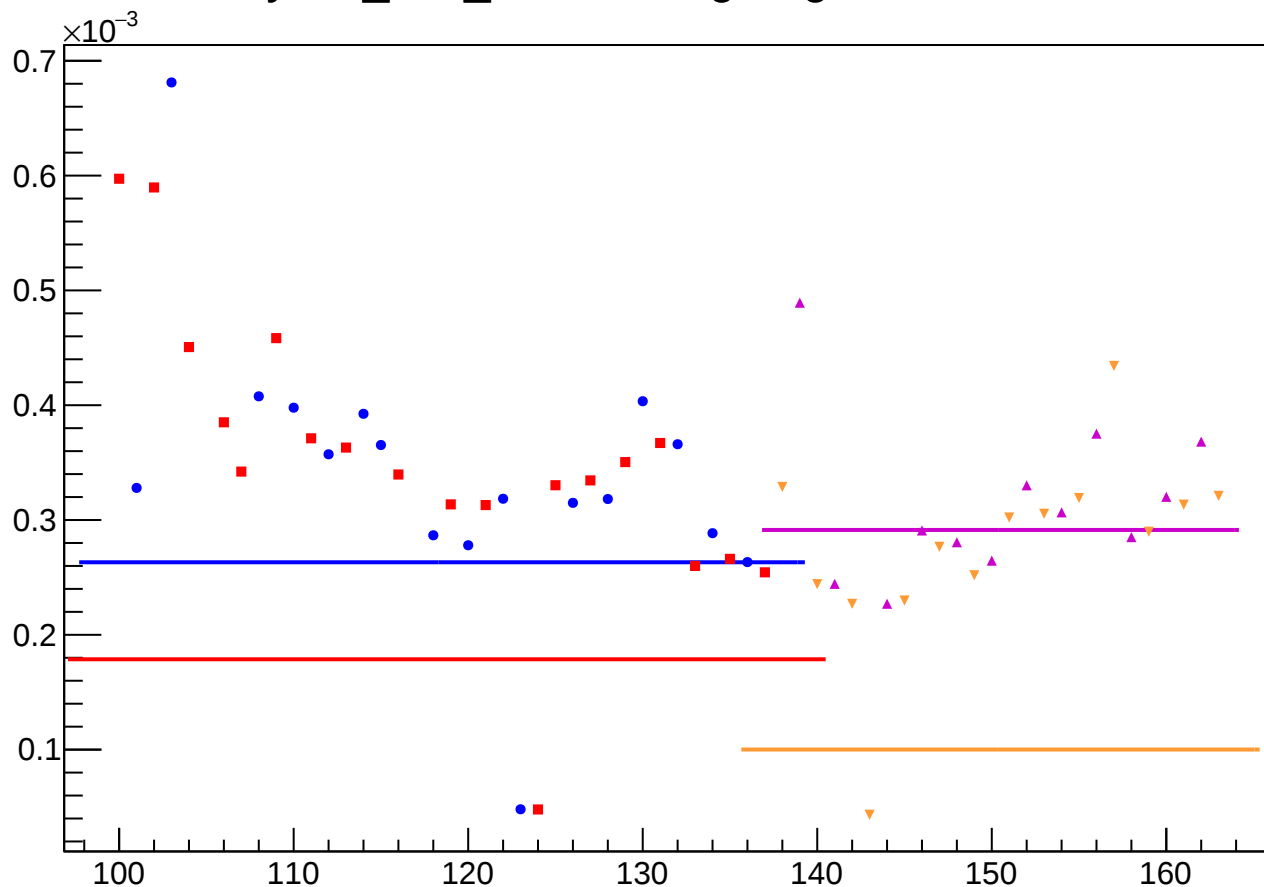
Left In: 0.023+/-0.000

χ^2/NDF : 1036359237.2/11

All: 0.015+/-0.000

χ^2/NDF : 129951827786.2

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 : 9916802.2/13

Right Out: 0.000+/-0.000 χ^2/NDF : 5341022.6/18

Left In: 0.000+/-0.000 χ^2/NDF : 595699.5/11

Left: 0.000+/-0.000 χ^2/NDF : 16609314.4/25

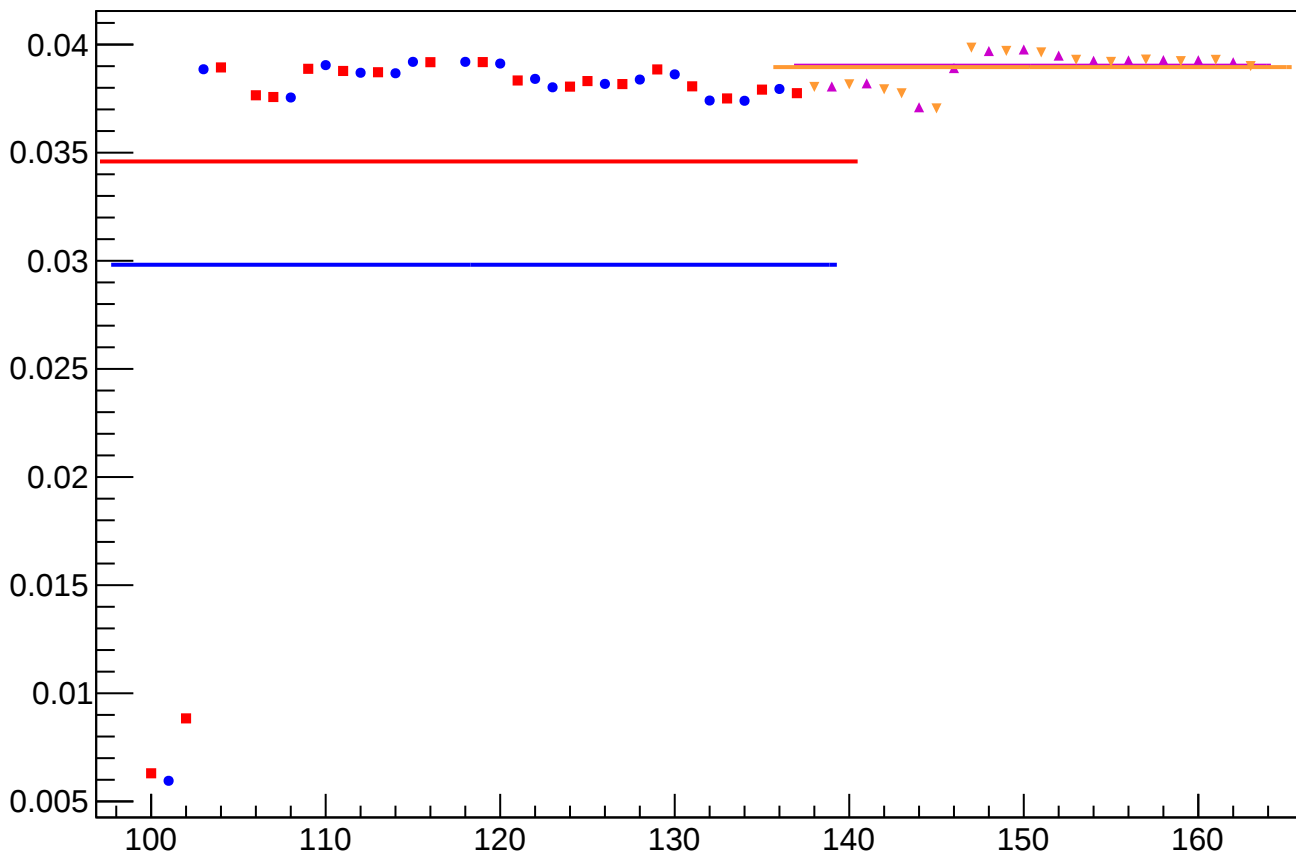
Right: 0.000+/-0.000 χ^2/NDF : 8372315.9/35

In: 0.000+/-0.000 χ^2/NDF : 3062989.3/28

Out: 0.000+/-0.000 χ^2/NDF : 16411317.6/32

All: 0.000+/-0.000 χ^2/NDF : 26586646.3/61

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000

χ^2/NDF : 97152184939.3/16

Left: 0.039+/-0.000

χ^2/NDF : 616887998.9/25

Left Out: 0.039+/-0.000

χ^2/NDF : 341686906.0/13

Right: 0.032+/-0.000

χ^2/NDF : 145974720907.4/35

Right Out: 0.035+/-0.000

χ^2/NDF : 43669374279.3/18

In: 0.035+/-0.000

χ^2/NDF : 118495837651.7/28

Out: 0.037+/-0.000

χ^2/NDF : 48690094280.4/32

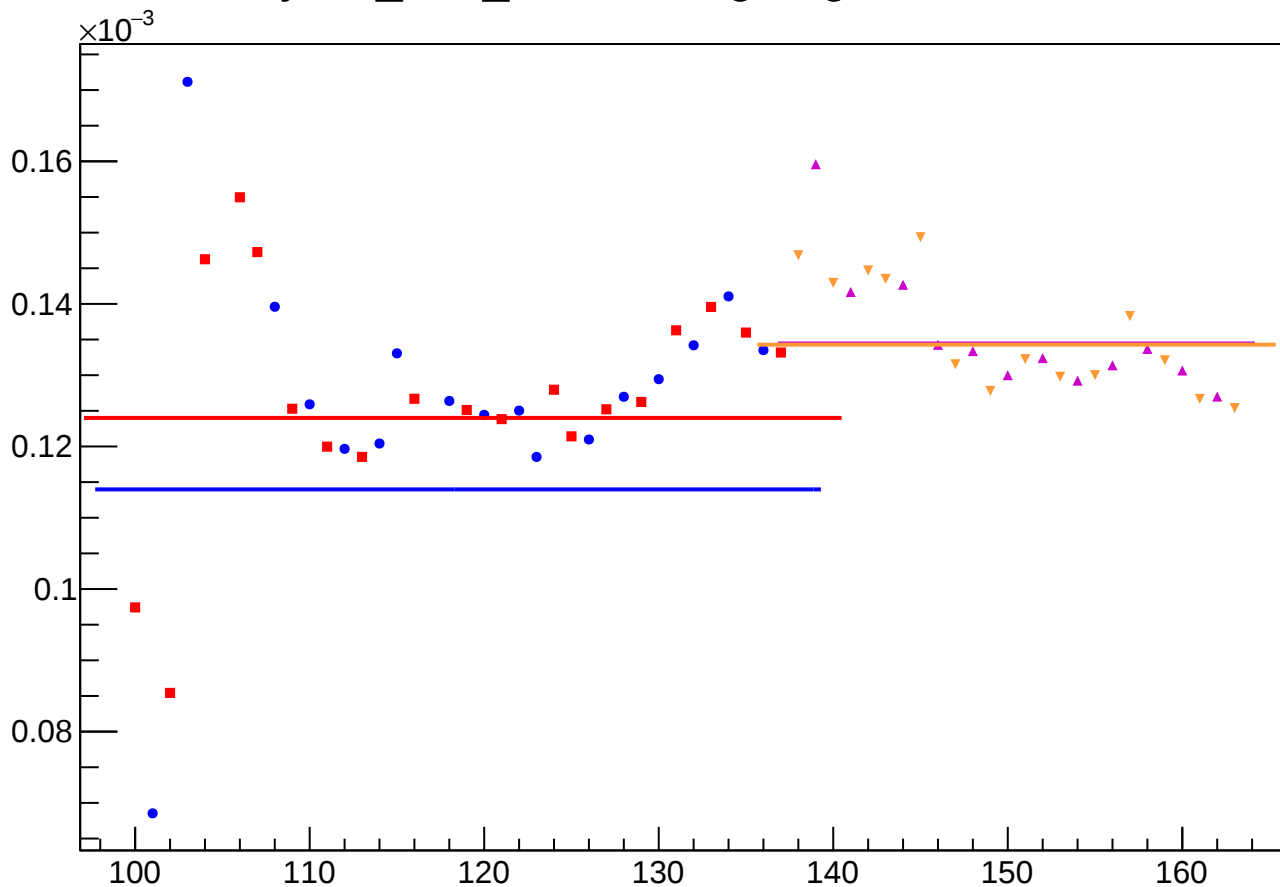
Left In: 0.039+/-0.000

χ^2/NDF : 274011931.2/11

All: 0.036+/-0.000

χ^2/NDF : 170084673607.7

yield_atr1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 794542.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 64367.5/13

Right Out: 0.000+/-0.000 χ^2/NDF : 245154.5/18

Left In: 0.000+/-0.000 χ^2/NDF : 57732.9/11

Left: 0.000+/-0.000 χ^2/NDF : 122115.1/25

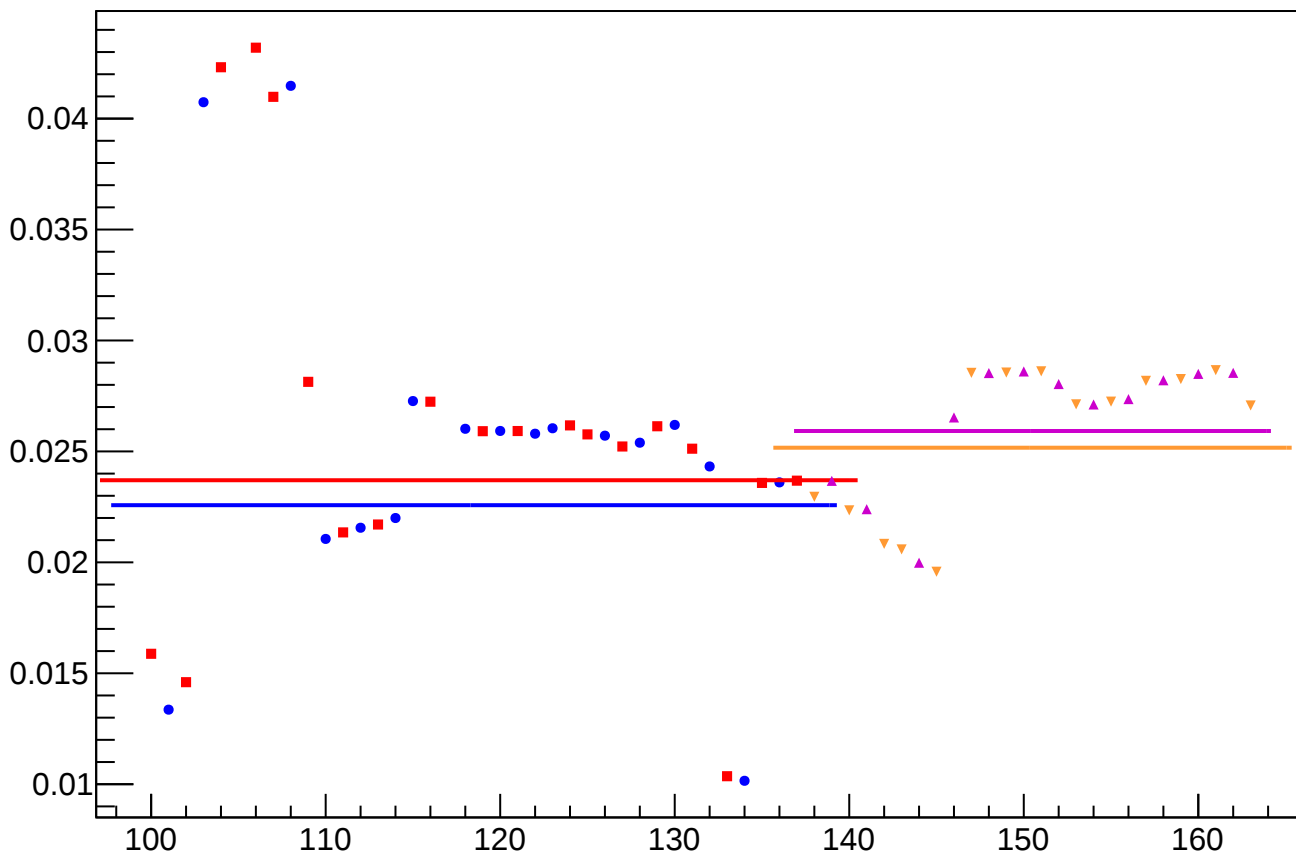
Right: 0.000+/-0.000 χ^2/NDF : 1085105.2/35

In: 0.000+/-0.000 χ^2/NDF : 1060578.8/28

Out: 0.000+/-0.000 χ^2/NDF : 361442.9/32

All: 0.000+/-0.000 χ^2/NDF : 1447898.6/61

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.023 $\pm$ 0.000 χ^2 /NDF: 4247774712.9/16

Left Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 1586150740.8/13

Right Out: 0.024 $\pm$ 0.000 χ^2 /NDF: 5651397656.1/18

Left In: 0.026 $\pm$ 0.000 χ^2 /NDF: 1097887681.0/11

Left: 0.026 $\pm$ 0.000 χ^2 /NDF: 2716651110.5/25

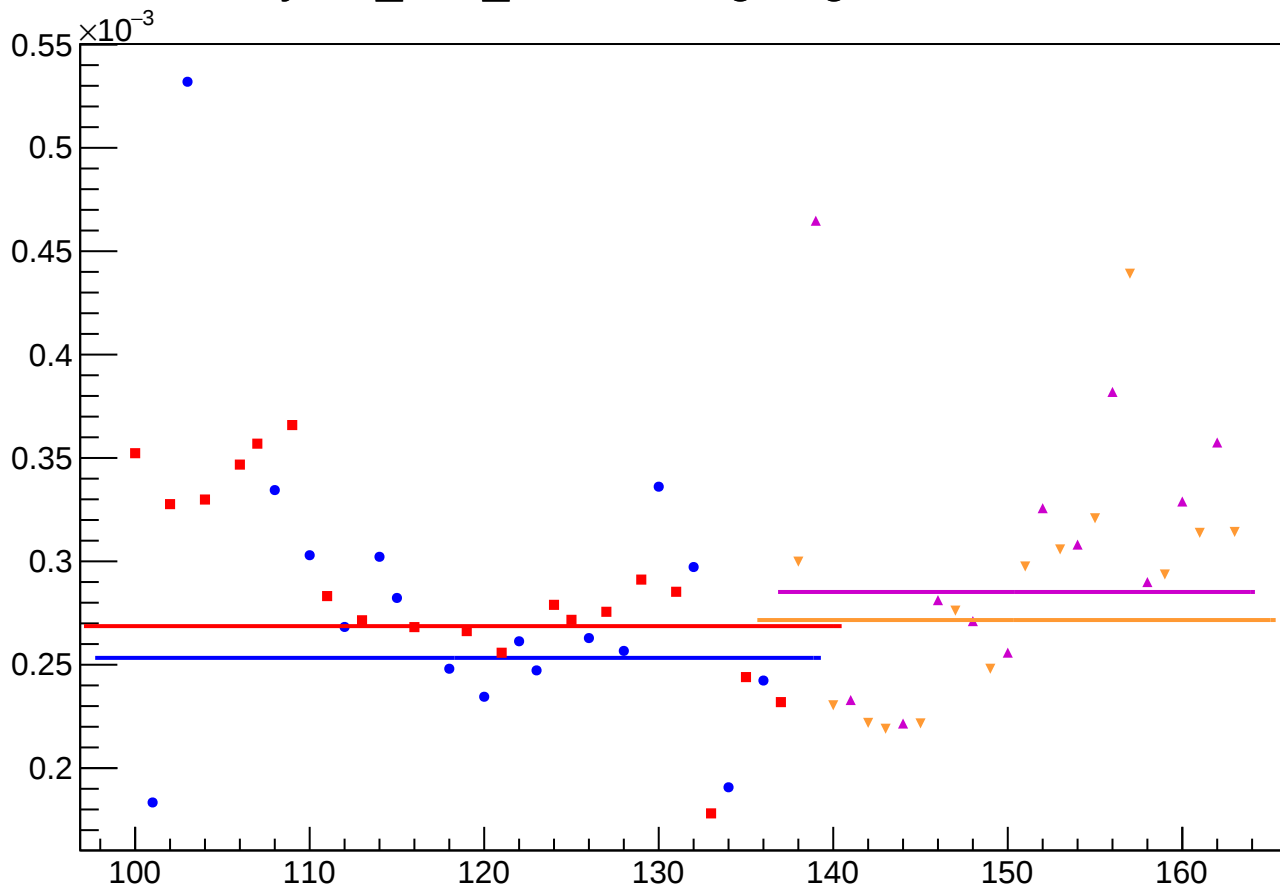
Right: 0.023 $\pm$ 0.000 χ^2 /NDF: 9954563356.3/35

In: 0.024 $\pm$ 0.000 χ^2 /NDF: 5891946841.5/28

Out: 0.025 $\pm$ 0.000 χ^2 /NDF: 7346251671.3/32

All: 0.024 $\pm$ 0.000 χ^2 /NDF: 13241580245.7/6

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 :540595.7/13

Right Out: 0.000+/-0.000 χ^2/NDF : 428329.0/18

Left In: 0.000+/-0.000 χ^2/NDF :645338.6/11

Left: 0.000+/-0.000 χ^2/NDF : 1207108.2/25

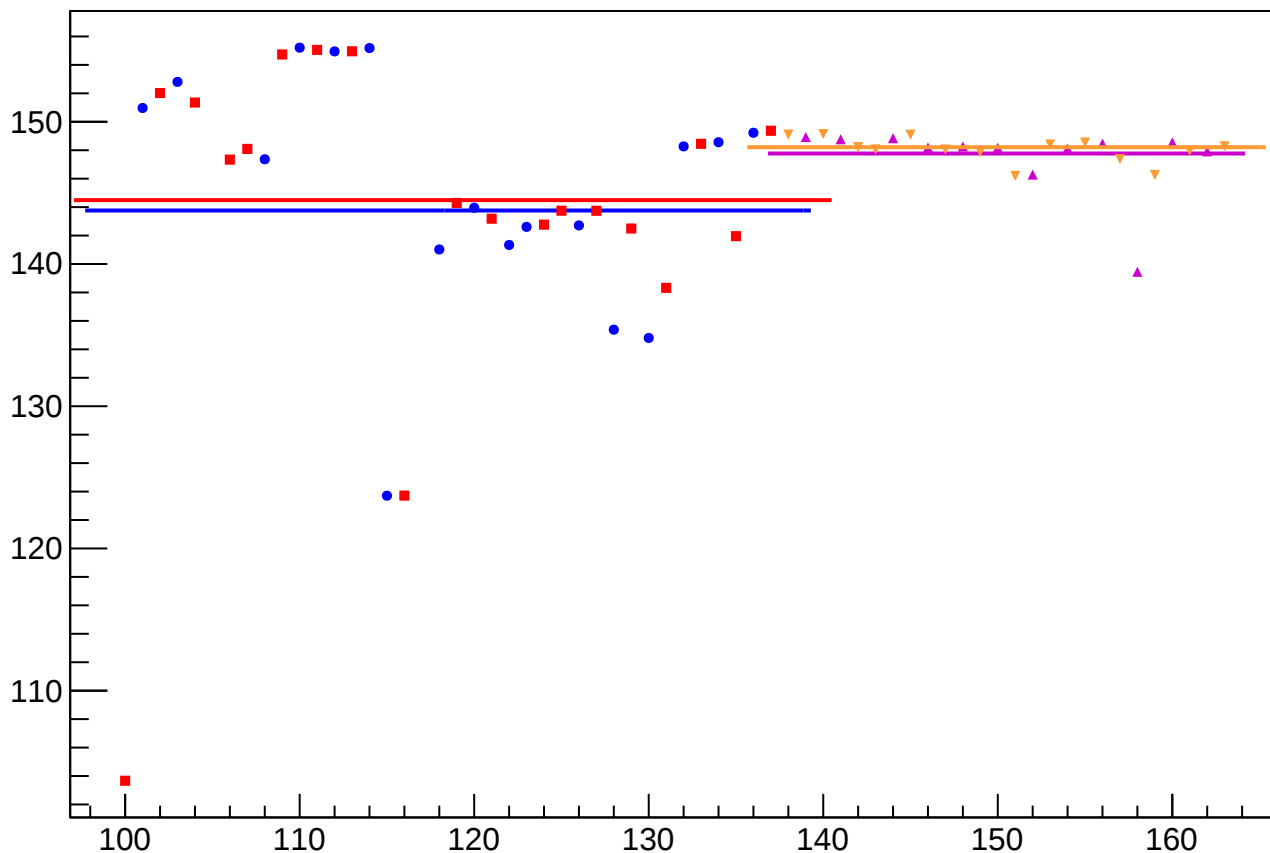
Right: 0.000+/-0.000 χ^2/NDF : 1078147.4/35

In: 0.000+/-0.000 χ^2/NDF :1373759.4/28

Out: 0.000+/-0.000 χ^2/NDF :969799.6/32

All: 0.000+/-0.000 χ^2/NDF : 2343564.9/61

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.763+/-0.000 χ^2/NDF : 3534699505.1/16

Left Out: 148.213+/-0.000 χ^2/NDF : 50611457.0/13

Right Out: 144.490+/-0.000 χ^2/NDF : 4182548232.5/18

Left In: 147.769+/-0.000 χ^2/NDF : 321263236.8/11

Left: 148.002+/-0.000 χ^2/NDF : 378103653.3/25

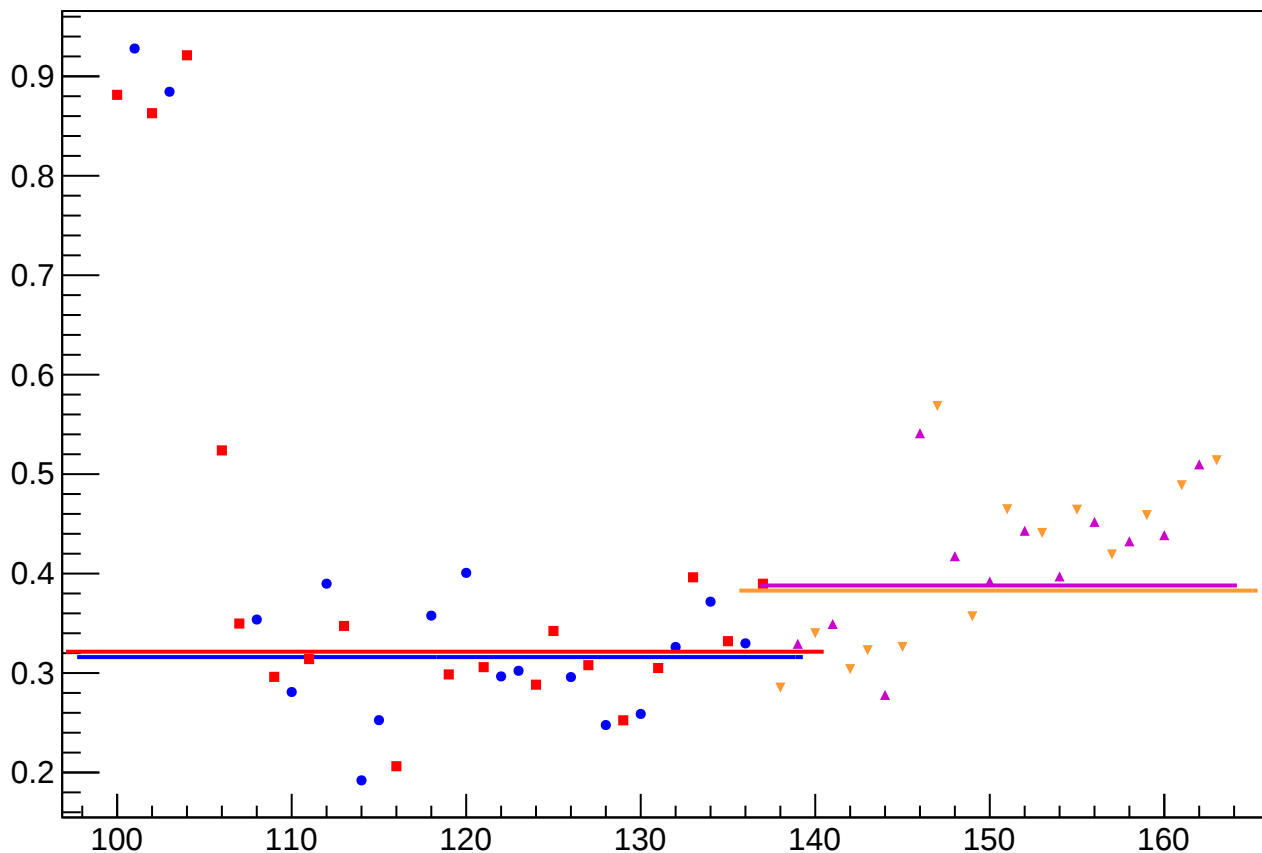
Right: 144.130+/-0.000 χ^2/NDF : 7732099987.4/35

In: 145.845+/-0.000 χ^2/NDF : 4319797754.1/28

Out: 146.497+/-0.000 χ^2/NDF : 4656658892.5/32

All: 146.181+/-0.000 χ^2/NDF : 9001831089.2

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.316 $\pm$ 0.000 χ^2 /NDF: 1265921.5/16

Left Out: 0.383 $\pm$ 0.000 χ^2 /NDF: 849809.1/13

Right Out: 0.321 $\pm$ 0.000 χ^2 /NDF: 1219073.9/18

Left In: 0.388 $\pm$ 0.000 χ^2 /NDF: 636844.0/11

Left: 0.385 $\pm$ 0.000 χ^2 /NDF: 1488317.8/25

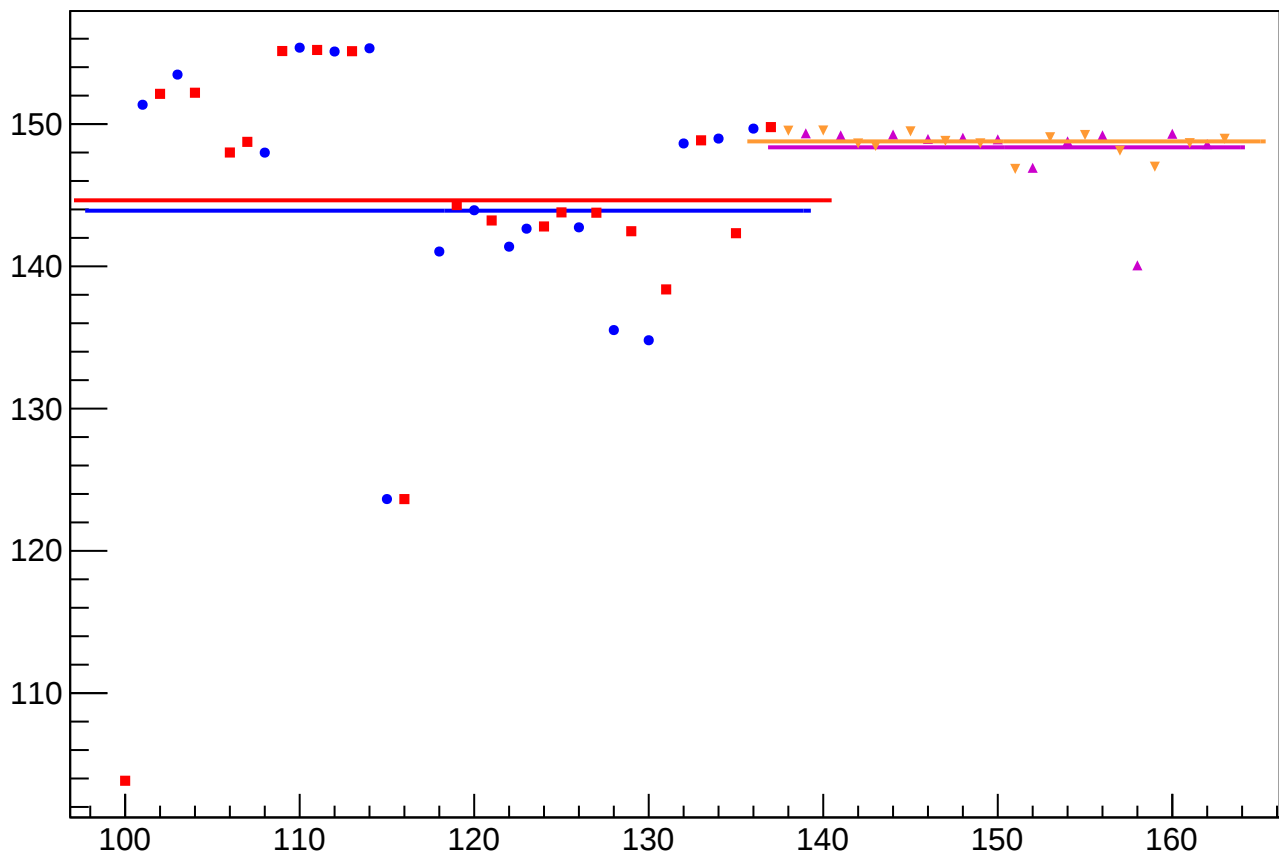
Right: 0.319 $\pm$ 0.000 χ^2 /NDF: 2486648.0/35

In: 0.353 $\pm$ 0.000 χ^2 /NDF: 2202450.6/28

Out: 0.355 $\pm$ 0.000 χ^2 /NDF: 2299563.0/32

All: 0.354 $\pm$ 0.000 χ^2 /NDF: 4502164.2/61

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 143.912 $\pm$ 0.000 χ^2 /NDF: 3587769790.2/16

Left Out: 148.783 $\pm$ 0.000 χ^2 /NDF: 39807070.3/13

Right Out: 144.640 $\pm$ 0.000 χ^2 /NDF: 4209610240.4/18

Left In: 148.366 $\pm$ 0.000 χ^2 /NDF: 310464028.9/11

Left: 148.584 $\pm$ 0.000 χ^2 /NDF: 355648409.9/25

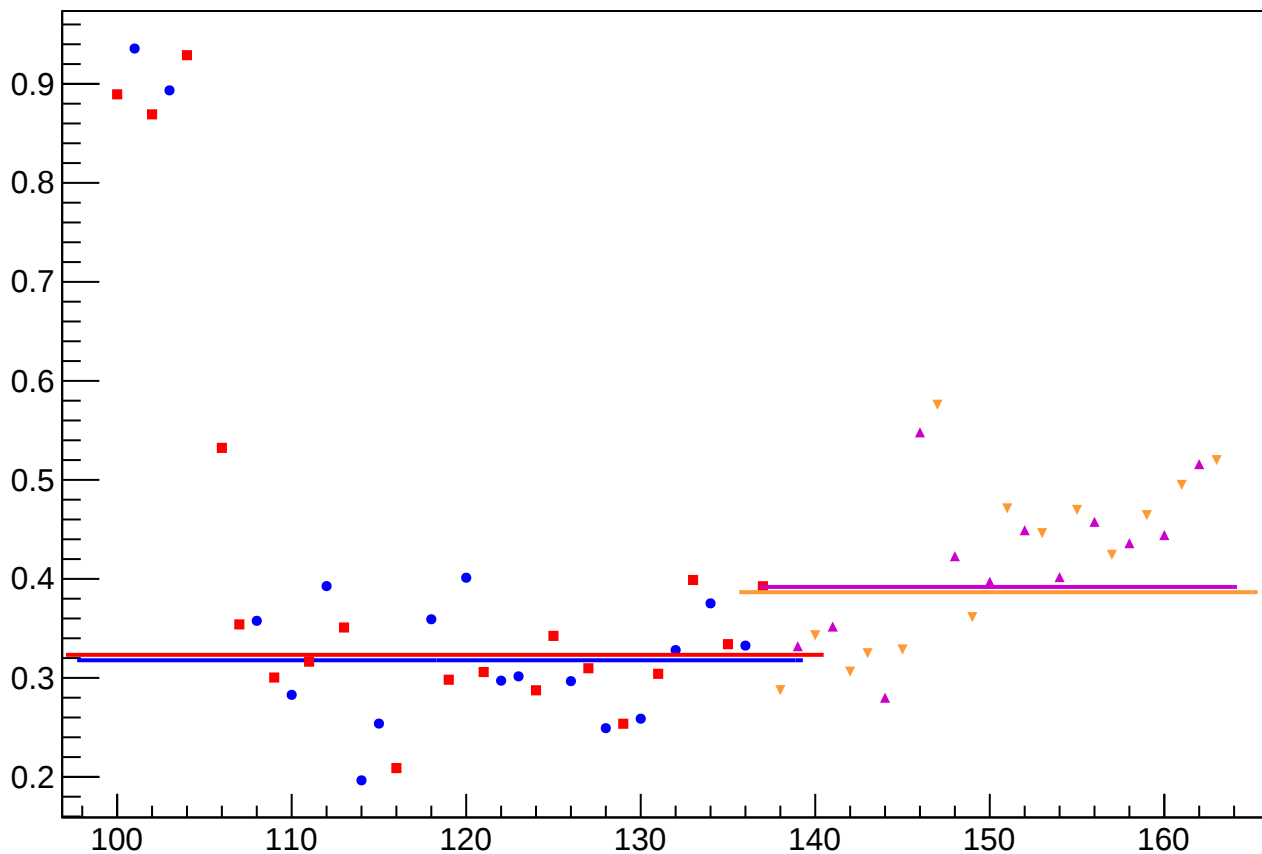
Right: 144.280 $\pm$ 0.000 χ^2 /NDF: 7812104995.9/35

In: 146.217 $\pm$ 0.000 χ^2 /NDF: 4462585368.7/28

Out: 146.865 $\pm$ 0.000 χ^2 /NDF: 4765558085.6/32

All: 146.551 $\pm$ 0.000 χ^2 /NDF: 9252813085.6

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.318 $\pm$ 0.000 χ^2 /NDF: 1268257.9/16

Left Out: 0.387 $\pm$ 0.000 χ^2 /NDF:866074.3/13

Right Out: 0.323 $\pm$ 0.000 χ^2 /NDF: 1222241.9/18

Left In: 0.392 $\pm$ 0.000 χ^2 /NDF:650858.3/11

Left: 0.389 $\pm$ 0.000 χ^2 /NDF: 1518650.2/25

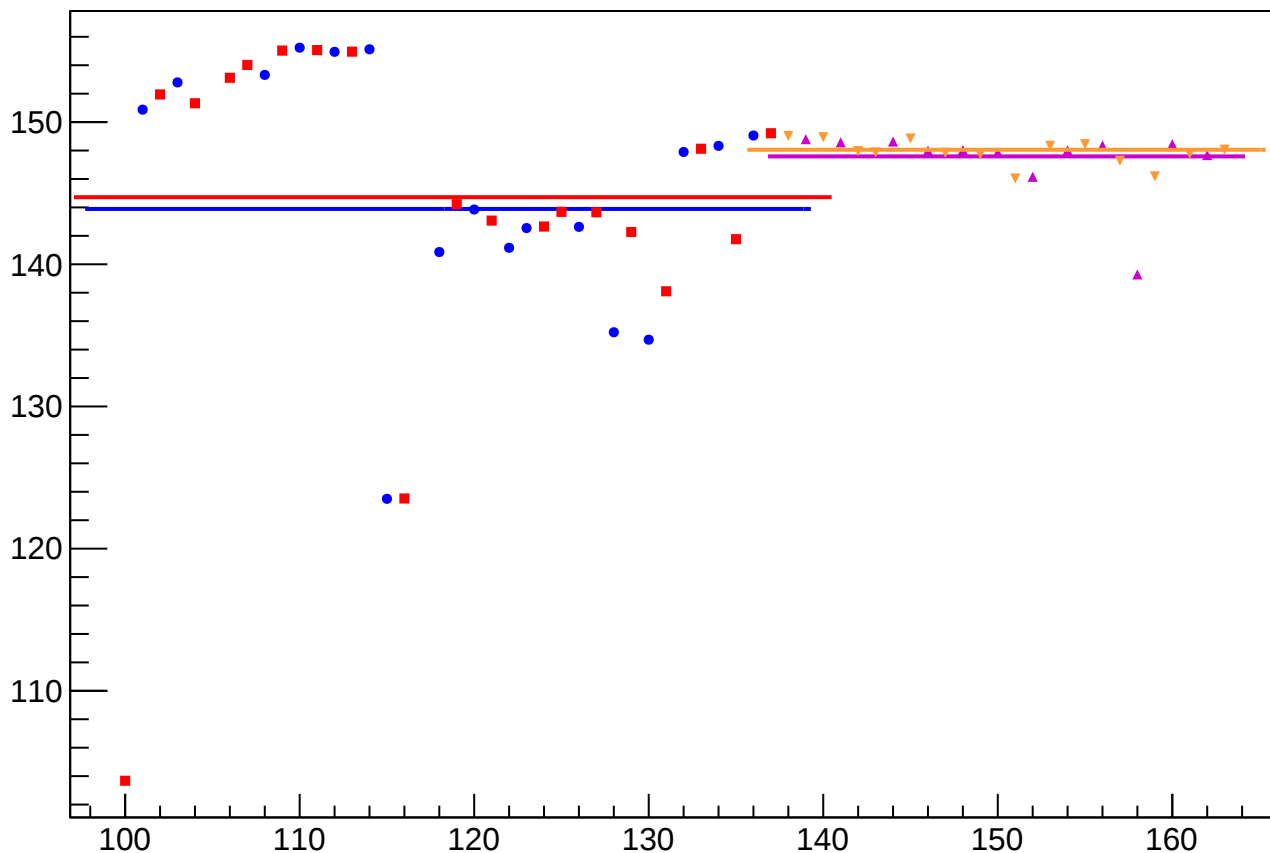
Right: 0.321 $\pm$ 0.000 χ^2 /NDF: 2492180.0/35

In: 0.356 $\pm$ 0.000 χ^2 /NDF:2231120.6/28

Out: 0.357 $\pm$ 0.000 χ^2 /NDF:2329183.7/32

All: 0.357 $\pm$ 0.000 χ^2 /NDF: 4560463.7/61

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.893 $\pm$ 0.000 χ^2/NDF : 3752655677.2/16

Left Out: 148.054 $\pm$ 0.000 χ^2/NDF : 48936379.0/13

Right Out: 144.719 $\pm$ 0.000 χ^2/NDF : 4473225884.5/18

Left In: 147.587 $\pm$ 0.000 χ^2/NDF : 319852142.1/11

Left: 147.832 $\pm$ 0.000 χ^2/NDF : 375618476.3/25

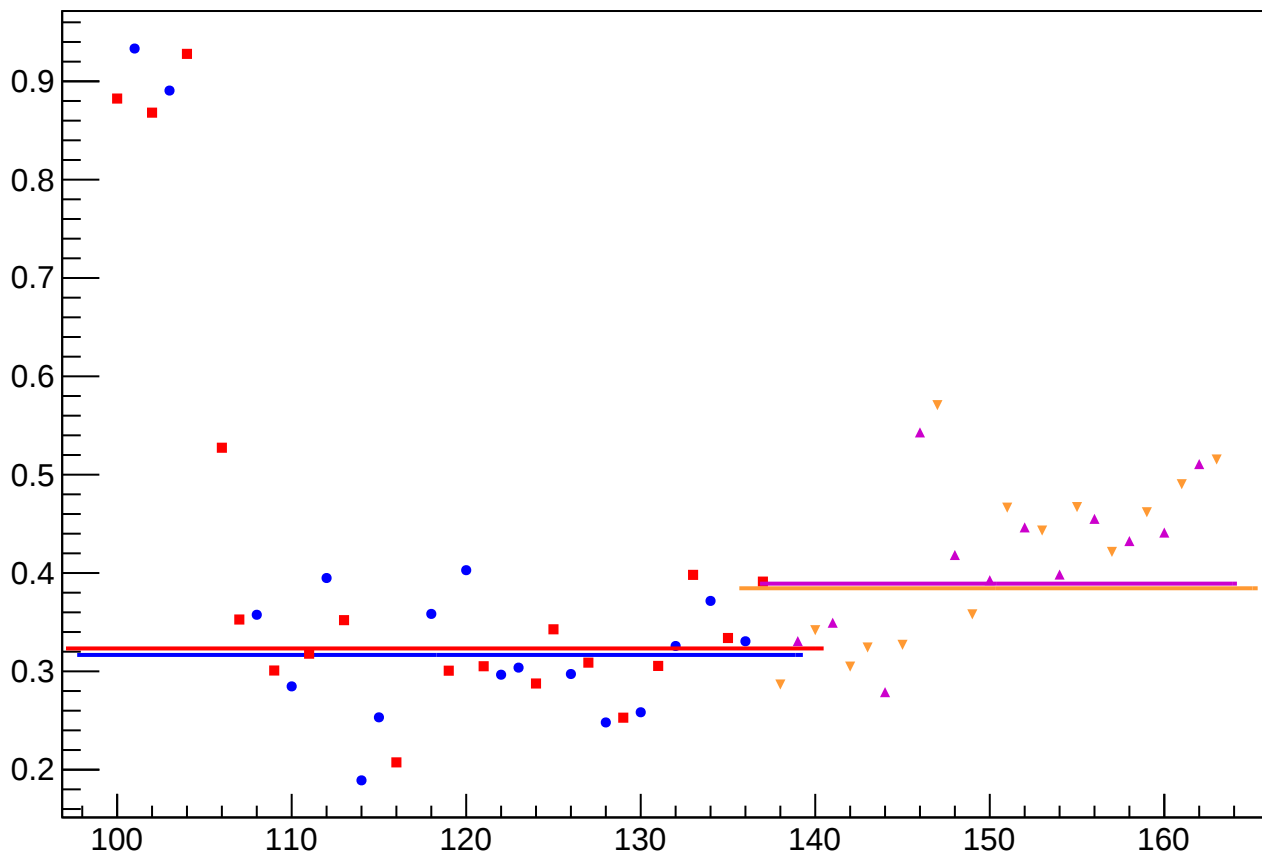
Right: 144.309 $\pm$ 0.000 χ^2/NDF : 8244852440.8/35

In: 145.813 $\pm$ 0.000 χ^2/NDF : 4464516085.2/28

Out: 146.519 $\pm$ 0.000 χ^2/NDF : 4858668668.1/32

All: 146.176 $\pm$ 0.000 χ^2/NDF : 9352694648.9

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317 $\pm$ 0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.384 $\pm$ 0.000 χ^2/NDF : 851571.9/13

Right Out: 0.323 $\pm$ 0.000 χ^2/NDF : 1222784.7/18

Left In: 0.389 $\pm$ 0.000 χ^2/NDF : 639989.5/11

Left: 0.387 $\pm$ 0.000 χ^2/NDF : 1492953.4/25

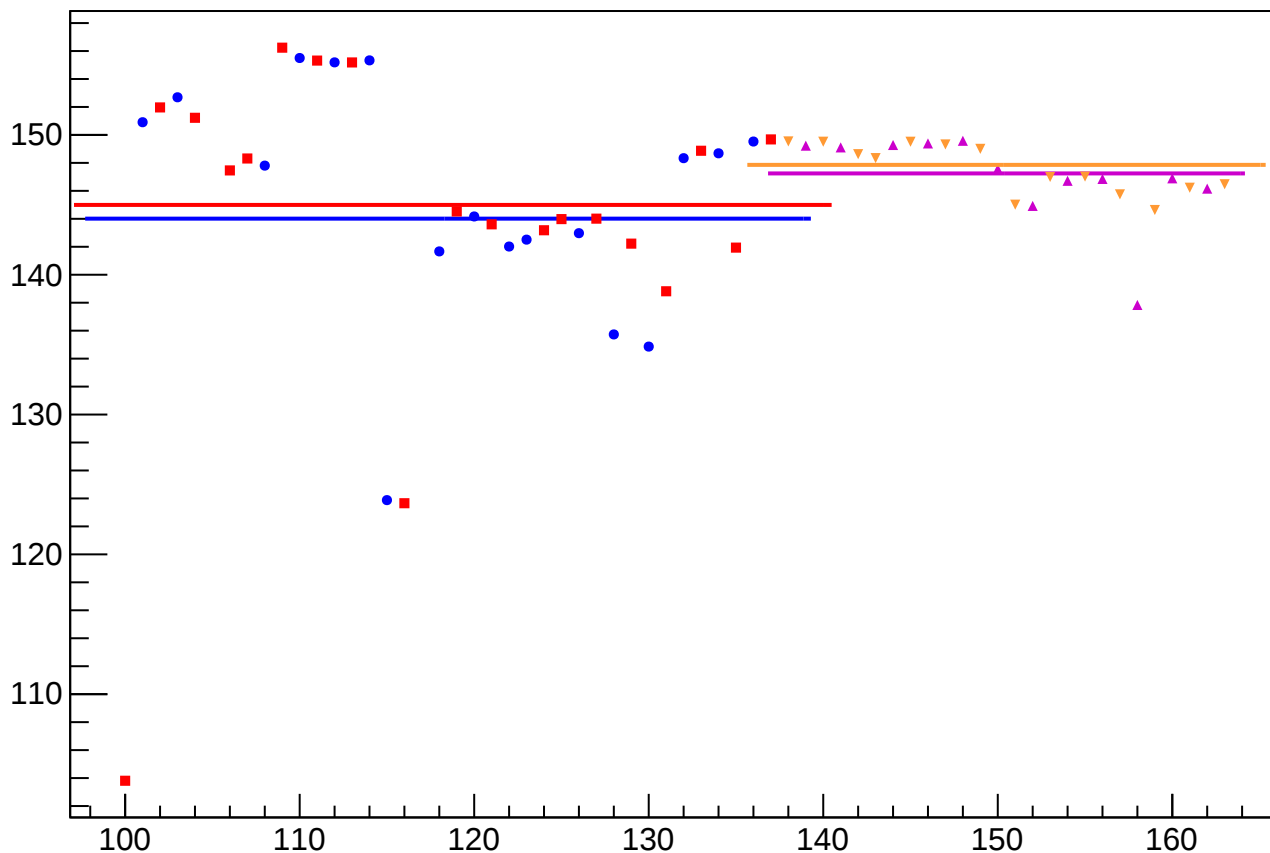
Right: 0.320 $\pm$ 0.000 χ^2/NDF : 2505560.8/35

In: 0.354 $\pm$ 0.000 χ^2/NDF : 2222322.5/28

Out: 0.356 $\pm$ 0.000 χ^2/NDF : 2300893.4/32

All: 0.355 $\pm$ 0.000 χ^2/NDF : 4523662.9/61

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.012 $\pm$ 0.000 χ^2 /NDF: 3241696920.3/16

Left Out: 147.858 $\pm$ 0.000 χ^2 /NDF: 171599984.9/13

Right Out: 144.994 $\pm$ 0.000 χ^2 /NDF: 3852381452.1/18

Left In: 147.246 $\pm$ 0.000 χ^2 /NDF: 484111300.5/11

Left: 147.567 $\pm$ 0.000 χ^2 /NDF: 666529156.3/25

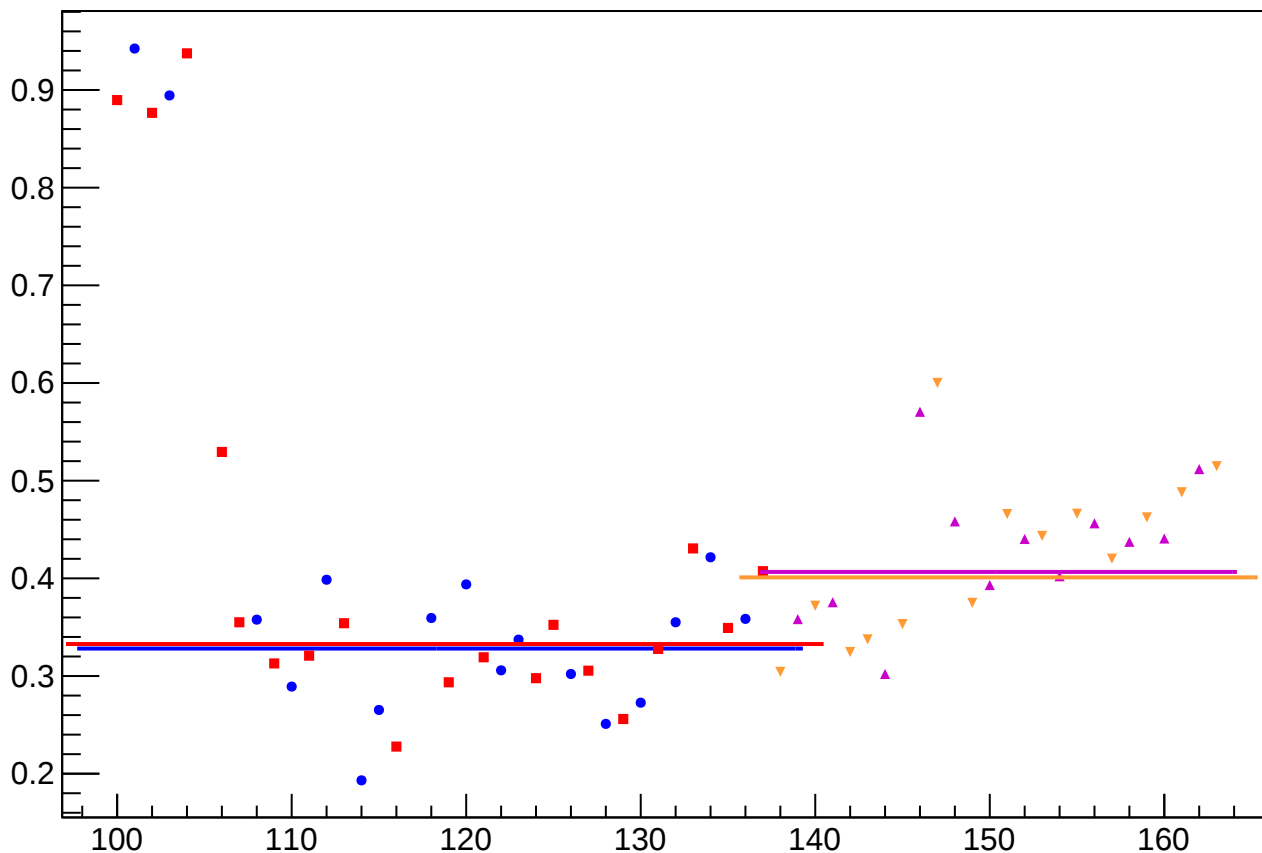
Right: 144.510 $\pm$ 0.000 χ^2 /NDF: 7119138597.7/35

In: 145.687 $\pm$ 0.000 χ^2 /NDF: 4003849277.0/28

Out: 146.526 $\pm$ 0.000 χ^2 /NDF: 4255776884.8/32

All: 146.120 $\pm$ 0.000 χ^2 /NDF: 8298233549.7

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.328 $\pm$ 0.000 χ^2 /NDF: 1265892.9/16

Left Out: 0.401 $\pm$ 0.000 χ^2 /NDF:666544.8/13

Right Out: 0.333 $\pm$ 0.000 χ^2 /NDF: 1185129.6/18

Left In: 0.407 $\pm$ 0.000 χ^2 /NDF:491900.8/11

Left: 0.404 $\pm$ 0.000 χ^2 /NDF: 1160252.9/25

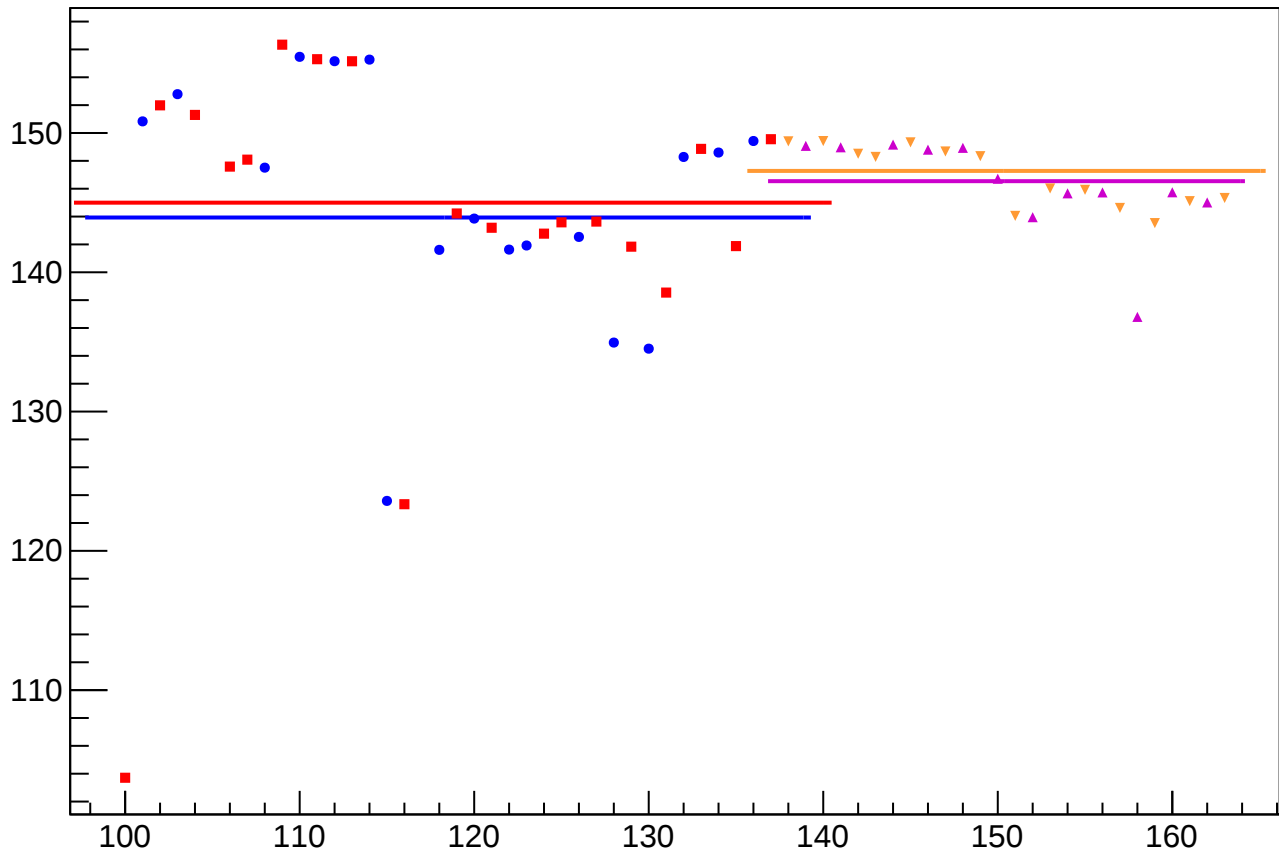
Right: 0.330 $\pm$ 0.000 χ^2 /NDF: 2452140.8/35

In: 0.369 $\pm$ 0.000 χ^2 /NDF:2085137.9/28

Out: 0.369 $\pm$ 0.000 χ^2 /NDF:2114740.2/32

All: 0.369 $\pm$ 0.000 χ^2 /NDF: 4199904.5/61

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 143.932 ± 0.000 $\chi^2/\text{NDF}: 3383012861.2/16$

Left Out: 147.278 ± 0.000 $\chi^2/\text{NDF}: 260774893.5/13$

Right Out: 144.998 ± 0.000 $\chi^2/\text{NDF}: 3932958476.0/18$

Left In: 146.541 ± 0.000 $\chi^2/\text{NDF}: 591707694.3/11$

Left: 146.928 ± 0.000 $\chi^2/\text{NDF}: 868065257.5/25$

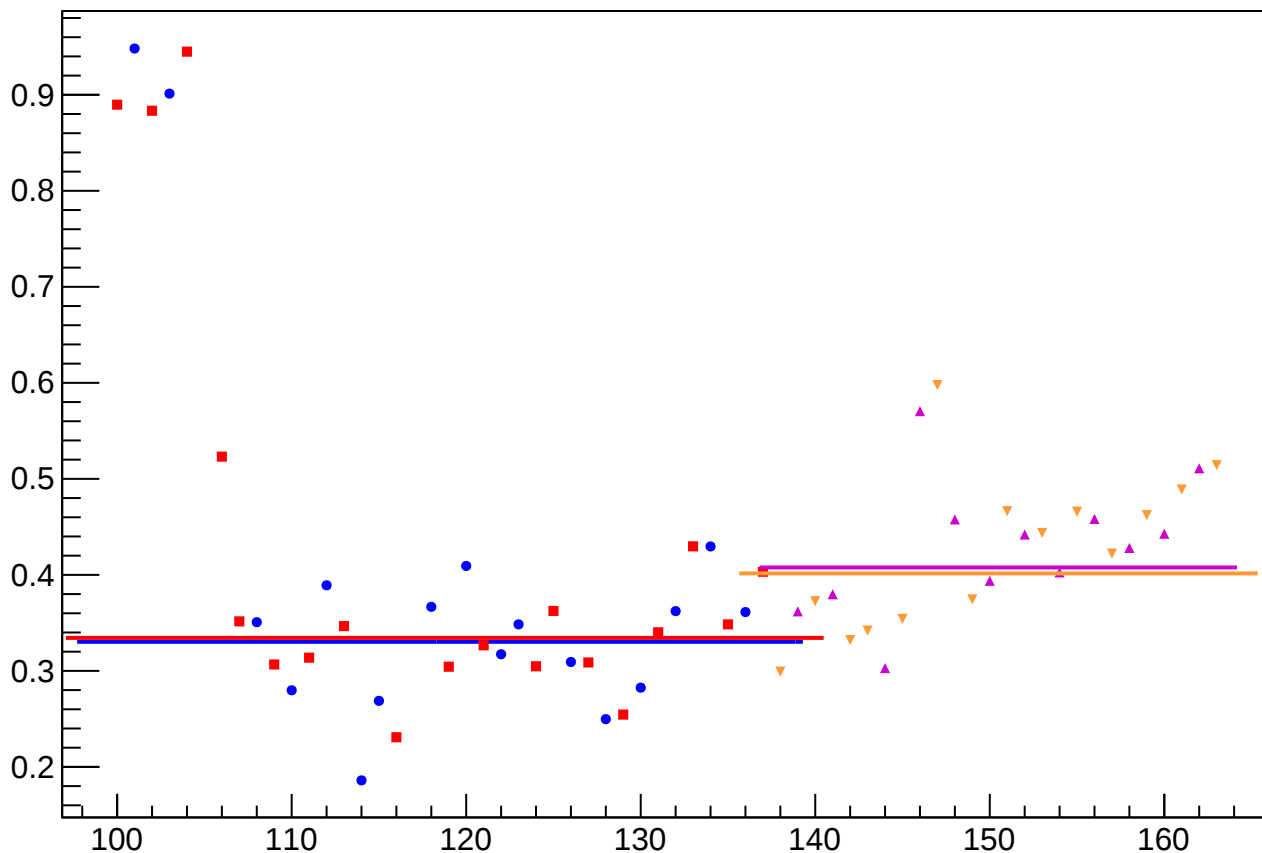
Right: 144.474 ± 0.000 $\chi^2/\text{NDF}: 7345100324.4/35$

In: 145.291 ± 0.000 $\chi^2/\text{NDF}: 4153499758.8/28$

Out: 146.221 ± 0.000 $\chi^2/\text{NDF}: 4339361306.4/32$

All: 145.772 ± 0.000 $\chi^2/\text{NDF}: 8540009527.2$

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.330 $\pm$ 0.000 χ^2 /NDF: 1283955.7/16

Left Out: 0.402 $\pm$ 0.000 χ^2 /NDF:665109.9/13

Right Out: 0.334 $\pm$ 0.000 χ^2 /NDF: 1174012.0/18

Left In: 0.408 $\pm$ 0.000 χ^2 /NDF:476683.2/11

Left: 0.404 $\pm$ 0.000 χ^2 /NDF: 1143997.4/25

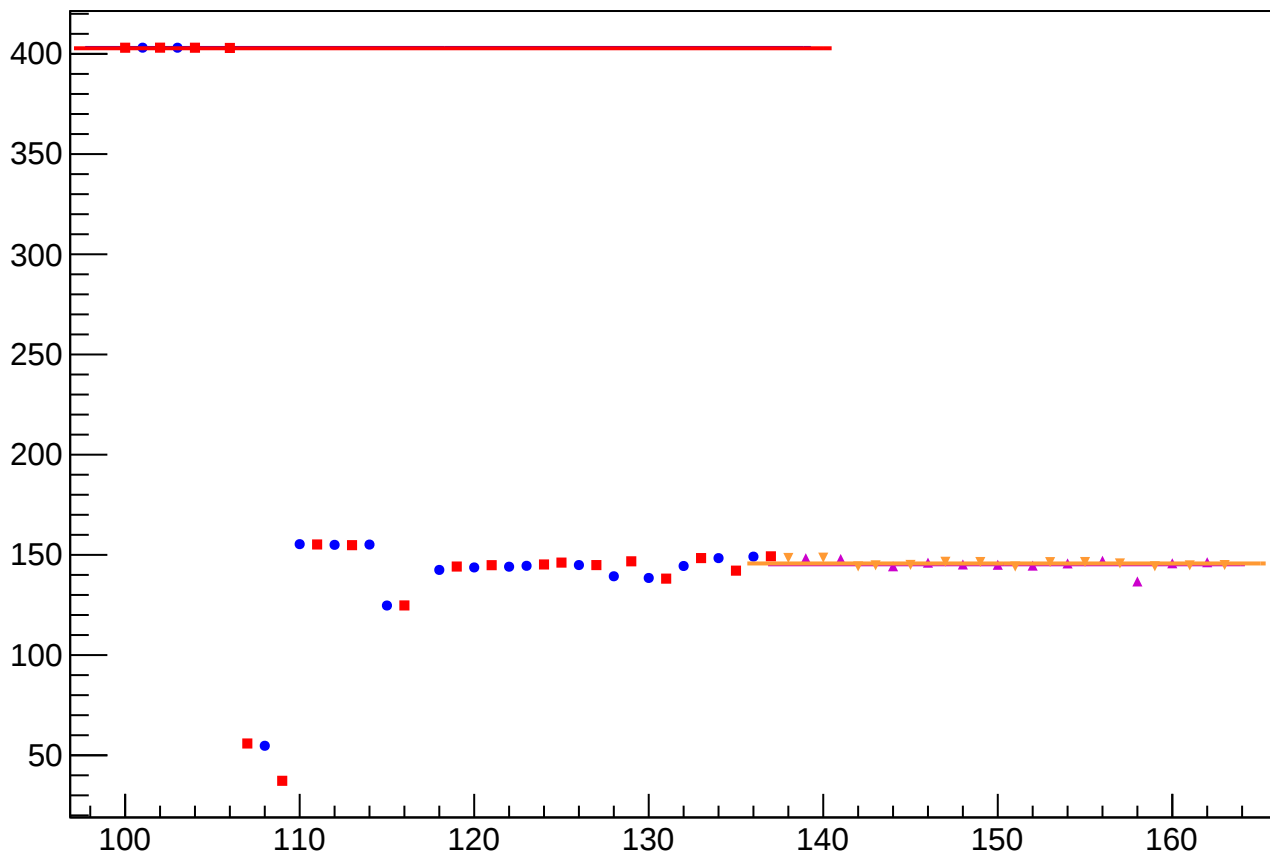
Right: 0.332 $\pm$ 0.000 χ^2 /NDF: 2458819.5/35

In: 0.371 $\pm$ 0.000 χ^2 /NDF:2075320.8/28

Out: 0.370 $\pm$ 0.000 χ^2 /NDF:2091680.7/32

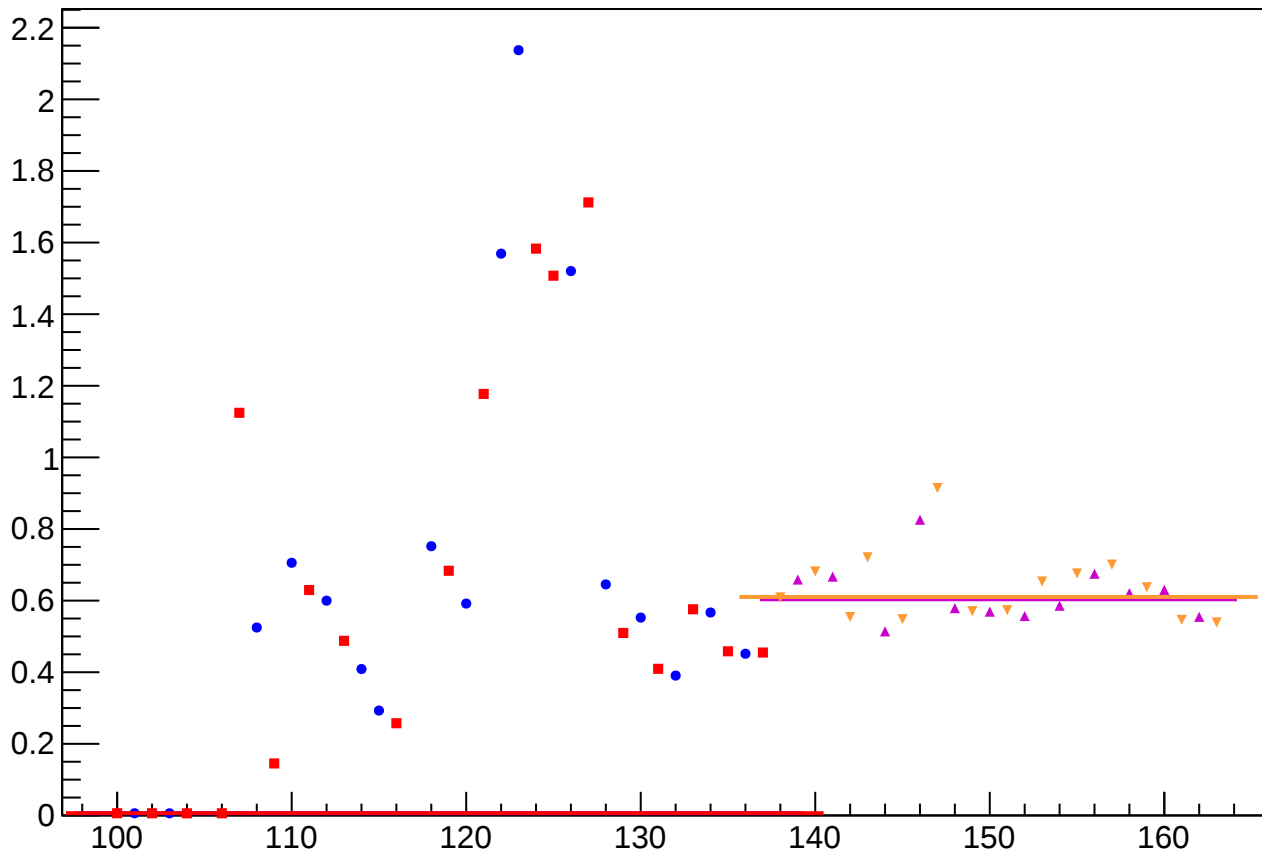
All: 0.371 $\pm$ 0.000 χ^2 /NDF: 4167005.4/61

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.958+/-0.000	χ^2/NDF : 1094364588383.4/16	Left: 145.513+/-0.000	χ^2/NDF : 171535266.5/25
Left Out: 145.717+/-0.000	χ^2/NDF : 40320795.1/13	Right: 402.873+/-0.000	χ^2/NDF : 4196818264482.1/16
Right Out: 402.799+/-0.000	χ^2/NDF : 3102036567767.5/18	In: 402.808+/-0.000	χ^2/NDF : 2296841793987.6/28
Left In: 145.294+/-0.000	χ^2/NDF : 129541132.2/11	Out: 402.657+/-0.000	χ^2/NDF : 4389700861648.9/3
		All: 402.728+/-0.000	χ^2/NDF : 668692020334.0/100

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.610+/-0.000 χ^2/NDF : 247479.5/13

Right Out: 0.006+/-0.000 χ^2/NDF : 9193355.5/18

Left In: 0.604+/-0.000 χ^2/NDF : 167982.3/11

Left: 0.607+/-0.000 χ^2/NDF : 416234.7/25

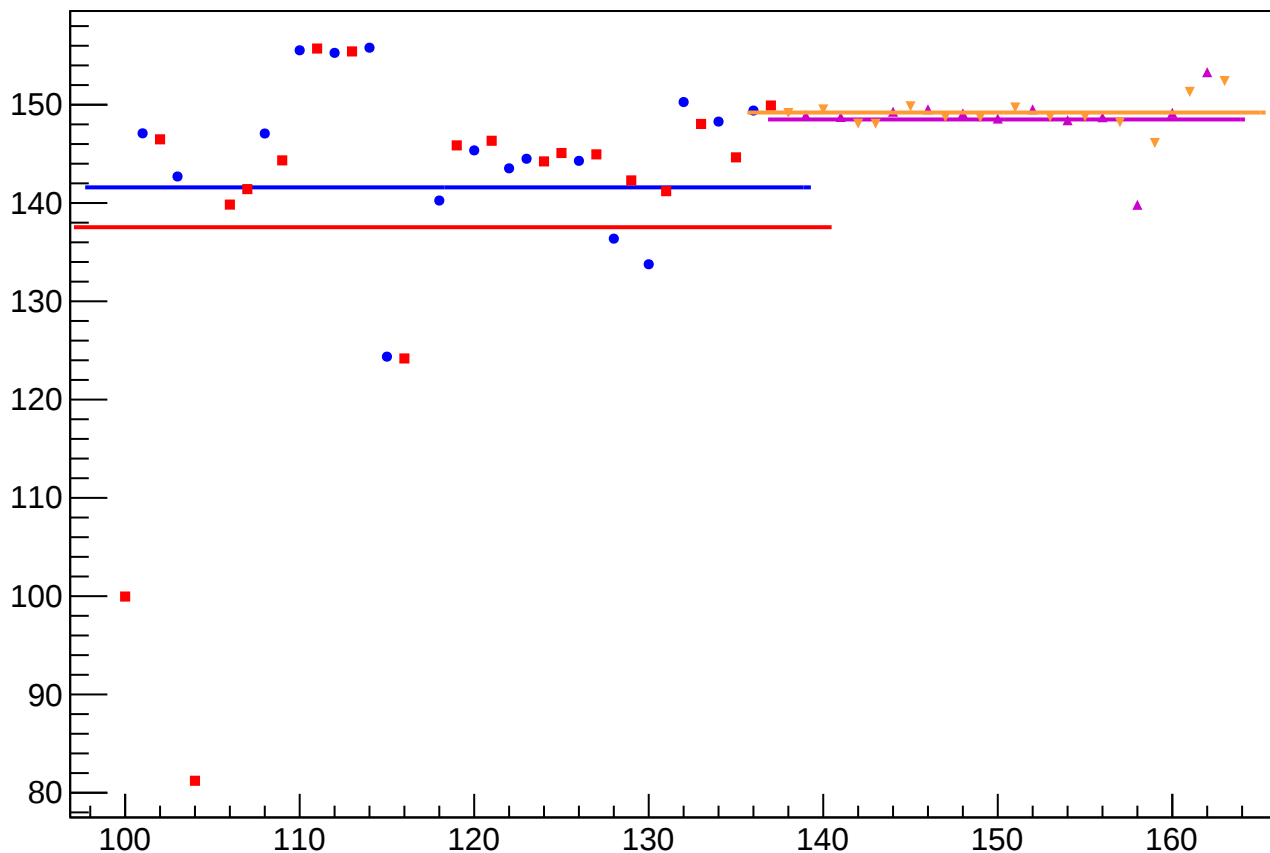
Right: 0.006+/-0.000 χ^2/NDF : 18272681.8/35

In: 0.007+/-0.000 χ^2/NDF : 22176434.9/28

Out: 0.007+/-0.000 χ^2/NDF : 23650364.8/32

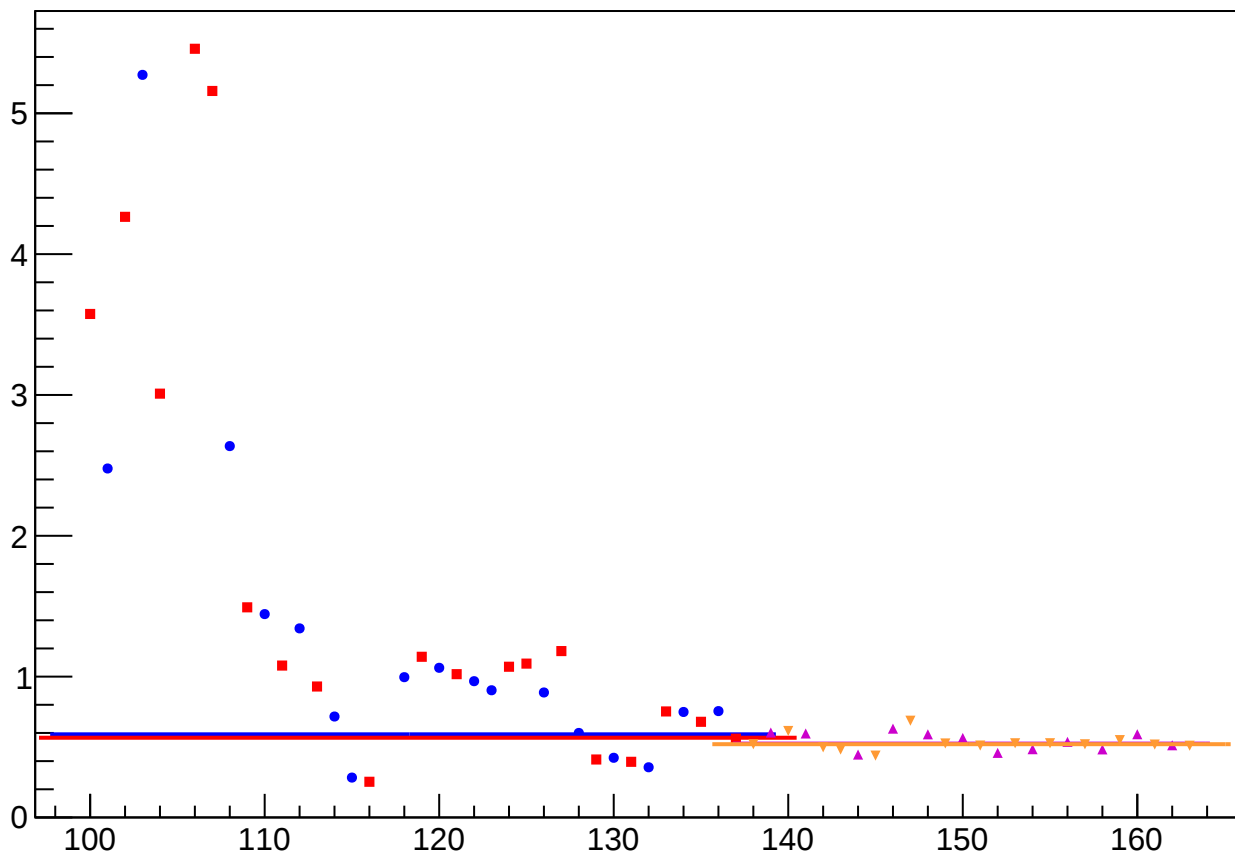
All: 0.007+/-0.000 χ^2/NDF : 45826818.8/61

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.593+/-0.000	χ^2/NDF : 980101868.2/16	Left: 148.870+/-0.000	χ^2/NDF : 400081454.4/25
Left Out: 149.205+/-0.000	χ^2/NDF : 81345741.1/13	Right: 139.514+/-0.000	χ^2/NDF : 2381261600.7/35
Right Out: 137.539+/-0.000	χ^2/NDF : 1316096307.7/18	In: 146.799+/-0.000	χ^2/NDF : 1653839396.4/28
Left In: 148.501+/-0.000	χ^2/NDF : 310707094.2/11	Out: 146.434+/-0.000	χ^2/NDF : 2499669248.3/32
		All: 146.608+/-0.000	χ^2/NDF : 4156361514.1

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.590 $\pm$ 0.000 χ^2 /NDF: 3491995.1/16

Left Out: 0.520 $\pm$ 0.000 χ^2 /NDF:169011.6/13

Right Out: 0.566 $\pm$ 0.000 χ^2 /NDF: 4683596.4/18

Left In: 0.524 $\pm$ 0.000 χ^2 /NDF:219450.8/11

Left: 0.522 $\pm$ 0.000 χ^2 /NDF: 389034.0/25

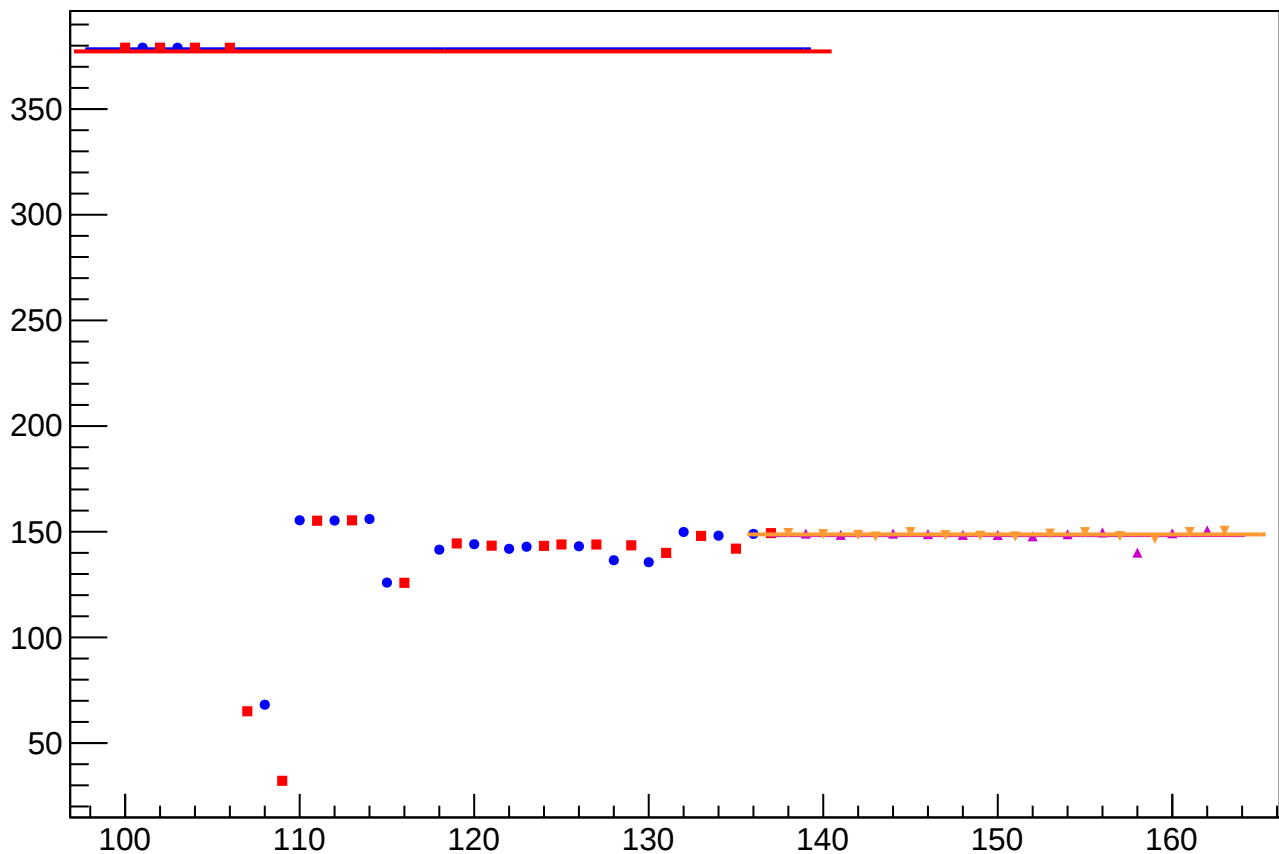
Right: 0.578 $\pm$ 0.000 χ^2 /NDF: 8181648.0/35

In: 0.541 $\pm$ 0.000 χ^2 /NDF:3777388.3/28

Out: 0.531 $\pm$ 0.000 χ^2 /NDF:4886653.1/32

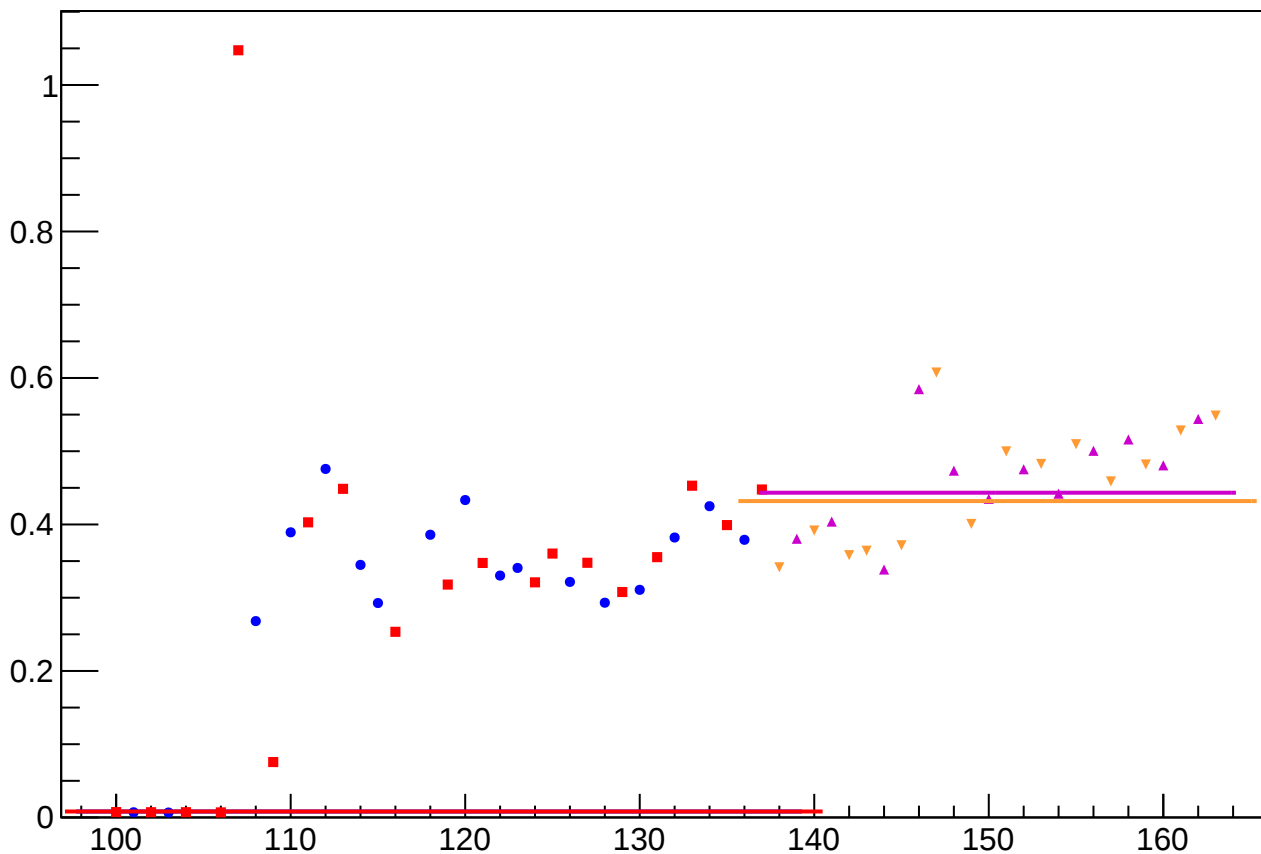
All: 0.536 $\pm$ 0.000 χ^2 /NDF: 8667924.9/61

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.283 +/- 0.000 χ^2/NDF : 2508313421453.8/16
 Left Out: 148.737 +/- 0.000 χ^2/NDF : 51857084.5/13
 Right Out: 377.287 +/- 0.000 χ^2/NDF : 8286303106836.4/18
 Left In: 148.413 +/- 0.000 χ^2/NDF : 223870535.8/11
 All: 376.952 +/- 0.000 χ^2/NDF : 160304186193

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 9806719.4/16

Left Out: 0.432 $\pm$ 0.000 χ^2 /NDF:593866.2/13

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 9522827.2/18

Left In: 0.443 $\pm$ 0.000 χ^2 /NDF:433239.9/11

Left: 0.437 $\pm$ 0.000 χ^2 /NDF: 1033603.0/25

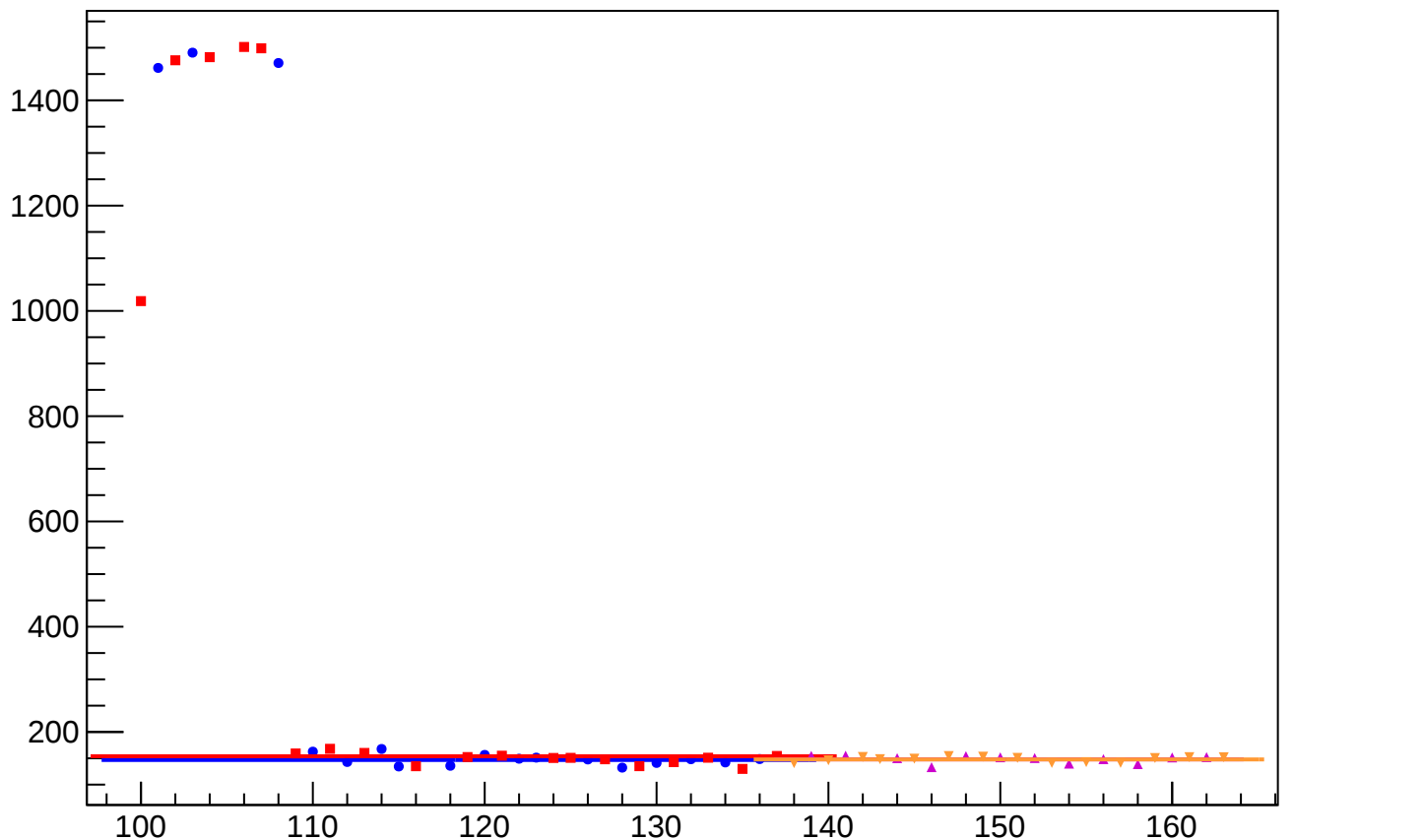
Right: 0.008 $\pm$ 0.000 χ^2 /NDF: 19329555.6/35

In: 0.010 $\pm$ 0.000 χ^2 /NDF:27937453.8/28

Out: 0.010 $\pm$ 0.000 χ^2 /NDF:29097388.8/32

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 57034852.7/61

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.819 $\pm$ 0.000 χ^2 /NDF: 24360774977.7/16

Left Out: 147.828 $\pm$ 0.000 χ^2 /NDF: 240009275.0/13

Right Out: 153.901 $\pm$ 0.000 χ^2 /NDF: 33737565970.8/18

Left In: 148.006 $\pm$ 0.000 χ^2 /NDF: 452064583.6/11

Left: 147.913 $\pm$ 0.000 χ^2 /NDF: 692233905.7/25

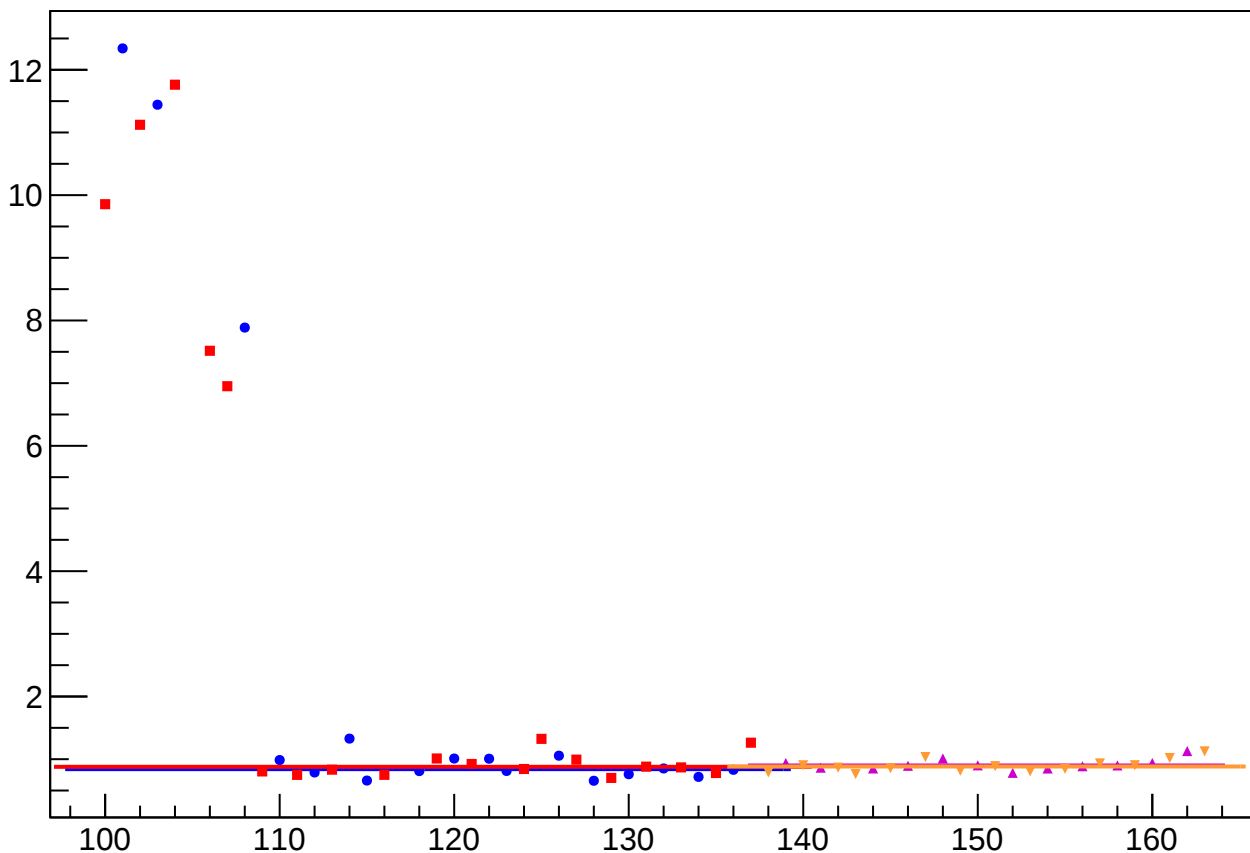
Right: 150.348 $\pm$ 0.000 χ^2 /NDF: 58231390734.2/35

In: 147.584 $\pm$ 0.000 χ^2 /NDF: 24817674809.1/28

Out: 149.850 $\pm$ 0.000 χ^2 /NDF: 34107657270.7/32

All: 148.750 $\pm$ 0.000 χ^2 /NDF: 58964908209.7/66

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.841+/-0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.883+/-0.000 χ^2/NDF :183180.4/13

Right Out: 0.878+/-0.000 χ^2/NDF : 2814626.6/18

Left In: 0.899+/-0.000 χ^2/NDF :116217.8/11

Left: 0.891+/-0.000 χ^2/NDF : 302010.2/25

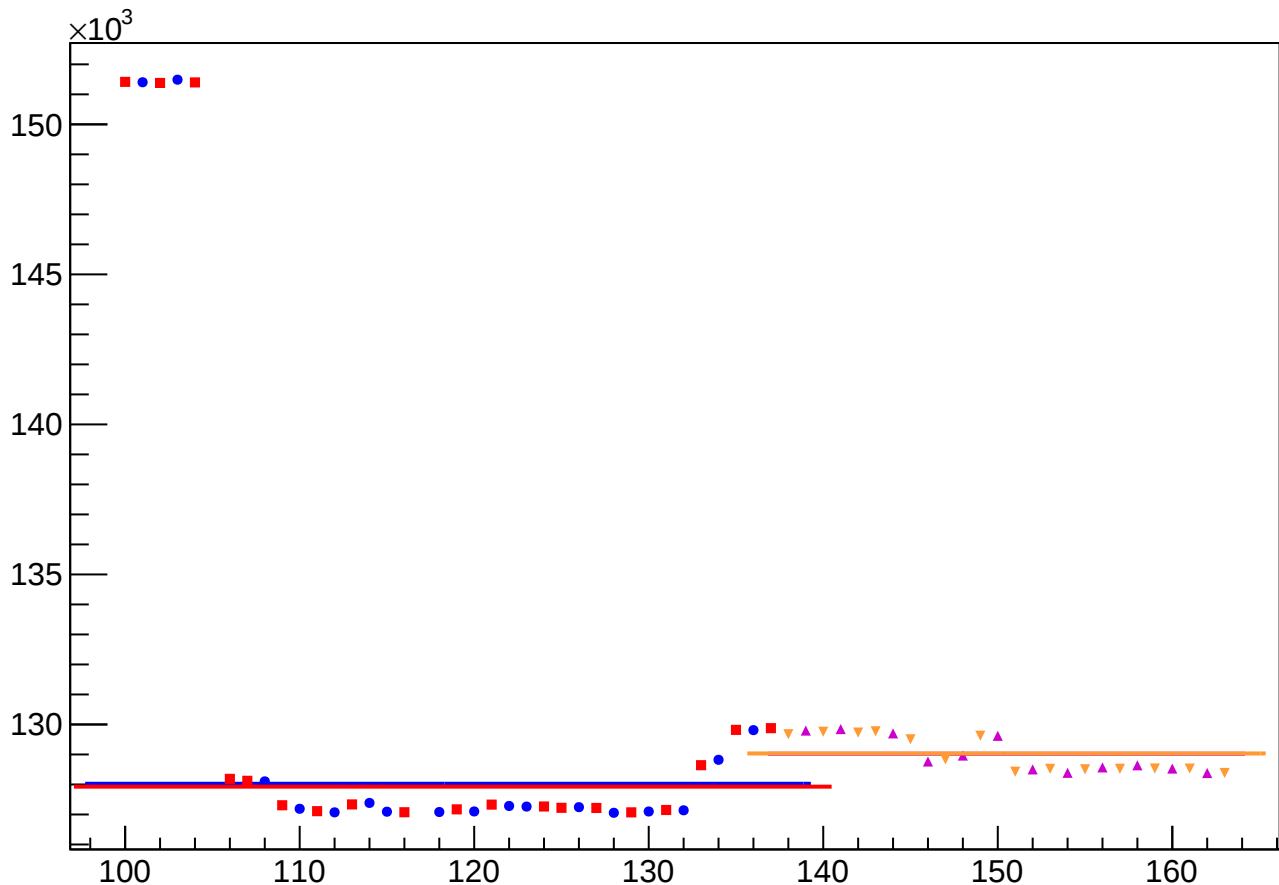
Right: 0.860+/-0.000 χ^2/NDF : 5484331.4/35

In: 0.879+/-0.000 χ^2/NDF :2801861.8/28

Out: 0.882+/-0.000 χ^2/NDF :2997983.8/32

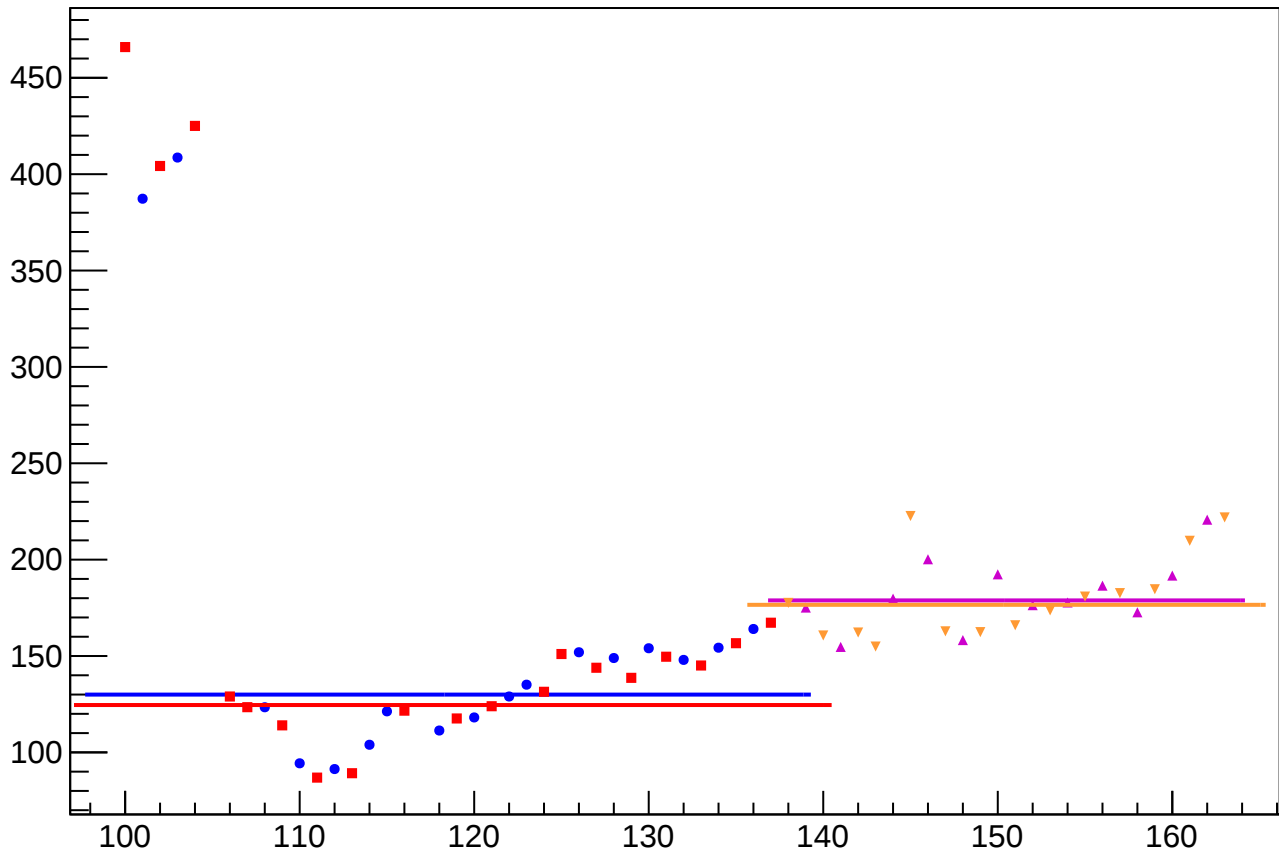
All: 0.880+/-0.000 χ^2/NDF : 5799979.0/61

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 128023.527 $\pm$ 0.055	χ^2/NDF : 4316540586.9/16	Left: 129029.116 $\pm$ 0.040	χ^2/NDF : 207935792.1/25
Left Out: 129033.648 $\pm$ 0.055	χ^2/NDF : 110450536.5/13	Right: 127971.691 $\pm$ 0.037	χ^2/NDF : 8085261759.1/16
Right Out: 127927.471 $\pm$ 0.050	χ^2/NDF : 3767047216.9/18	In: 128494.185 $\pm$ 0.040	χ^2/NDF : 4572335250.5/28
Left In: 129024.093 $\pm$ 0.058	χ^2/NDF : 97470920.8/11	Out: 128432.450 $\pm$ 0.037	χ^2/NDF : 4097638645.1/3
		All: 128461.267 $\pm$ 0.027	χ^2/NDF : 867126390.1/10

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.980 ± 0.039 $\chi^2/\text{NDF}: 1485519.5/16$

Left Out: 176.556 ± 0.039 $\chi^2/\text{NDF}: 256030.3/13$

Right Out: 124.566 ± 0.036 $\chi^2/\text{NDF}: 1531273.9/18$

Left In: 178.853 ± 0.041 $\chi^2/\text{NDF}: 162320.1/11$

Left: 177.646 ± 0.028 $\chi^2/\text{NDF}: 420007.2/25$

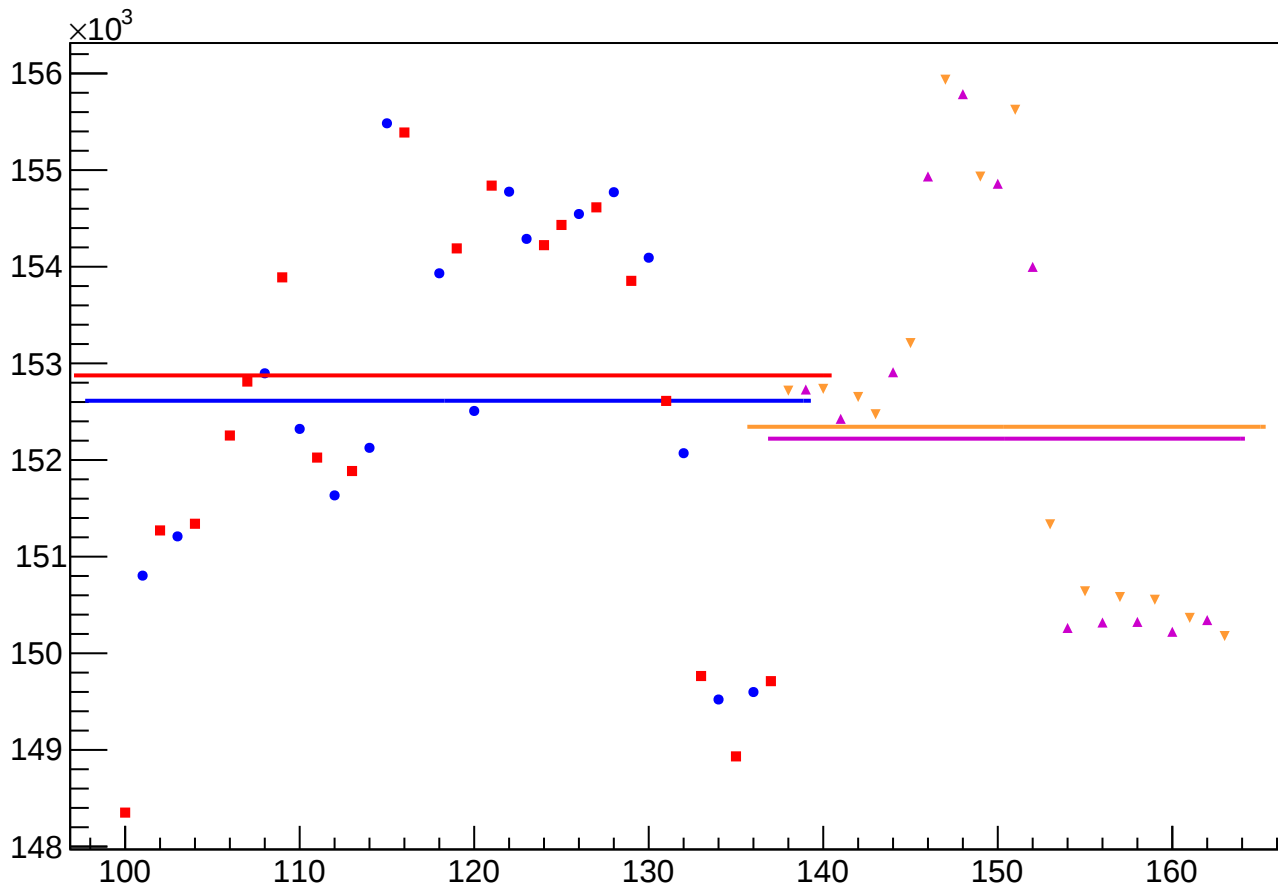
Right: 127.058 ± 0.026 $\chi^2/\text{NDF}: 3027426.7/35$

In: 152.969 ± 0.028 $\chi^2/\text{NDF}: 2403344.3/28$

Out: 148.300 ± 0.026 $\chi^2/\text{NDF}: 2759877.9/32$

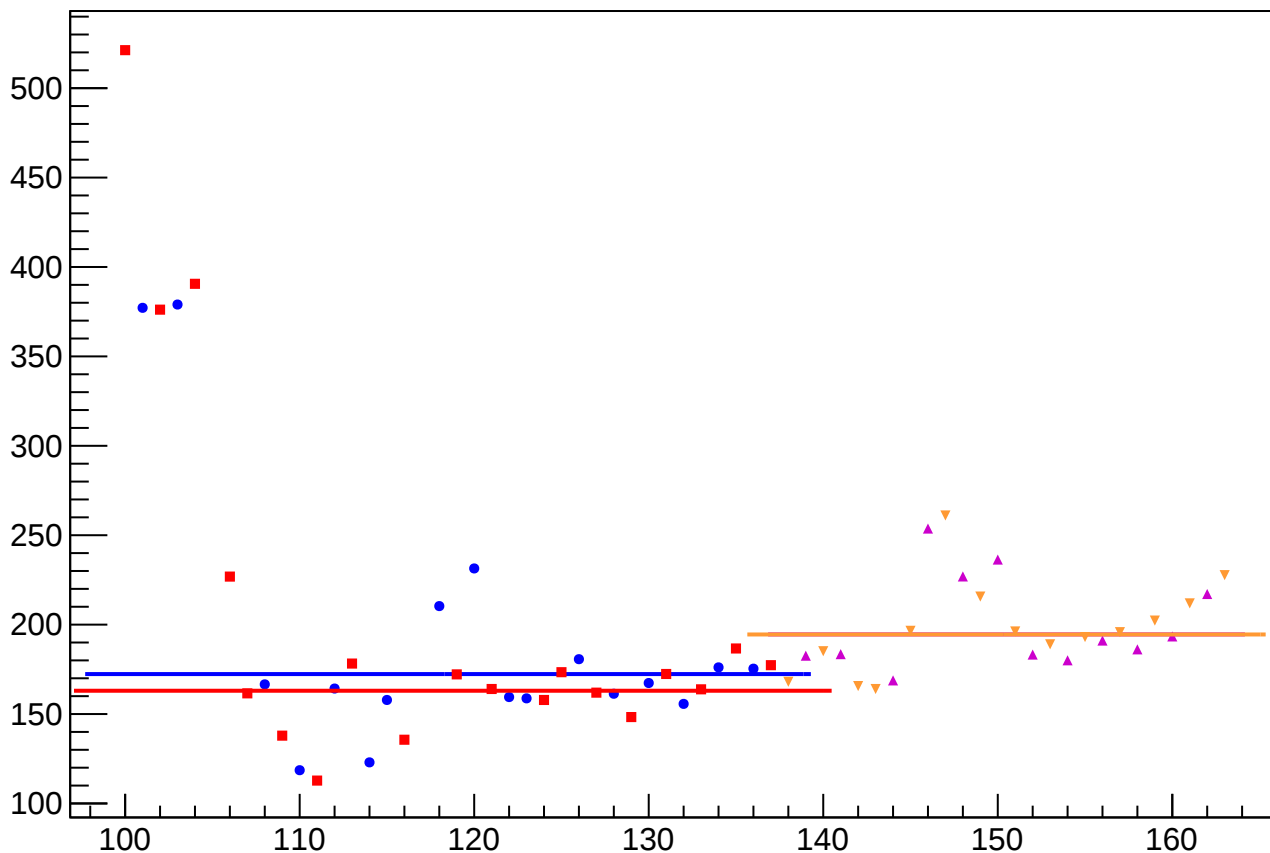
All: 150.480 ± 0.019 $\chi^2/\text{NDF}: 5177981.9/61$

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152613.122 $\pm$ 0.072	χ^2/NDF : 623356098.4/16	Left: 152284.820 $\pm$ 0.044	χ^2/NDF : 1743676343.7/2
Left Out: 152343.914 $\pm$ 0.061	χ^2/NDF : 856317216.7/13	Right: 152755.689 $\pm$ 0.049	χ^2/NDF : 1346872378.3/3
Right Out: 152875.313 $\pm$ 0.066	χ^2/NDF : 716358700.9/18	In: 152390.993 $\pm$ 0.048	χ^2/NDF : 1525432334.5/28
Left In: 152220.808 $\pm$ 0.063	χ^2/NDF : 885389630.7/11	Out: 152586.970 $\pm$ 0.045	χ^2/NDF : 1607642993.0/3
		All: 152494.976 $\pm$ 0.033	χ^2/NDF : 314207049

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.351+/-0.051 χ^2/NDF : 921911.1/16

Left Out: 194.497+/-0.043 χ^2/NDF : 274831.7/13

Right Out: 163.029+/-0.047 χ^2/NDF : 1032736.0/18

Left In: 194.531+/-0.045 χ^2/NDF : 259843.9/11

Left: 194.513+/-0.031 χ^2/NDF : 534675.9/25

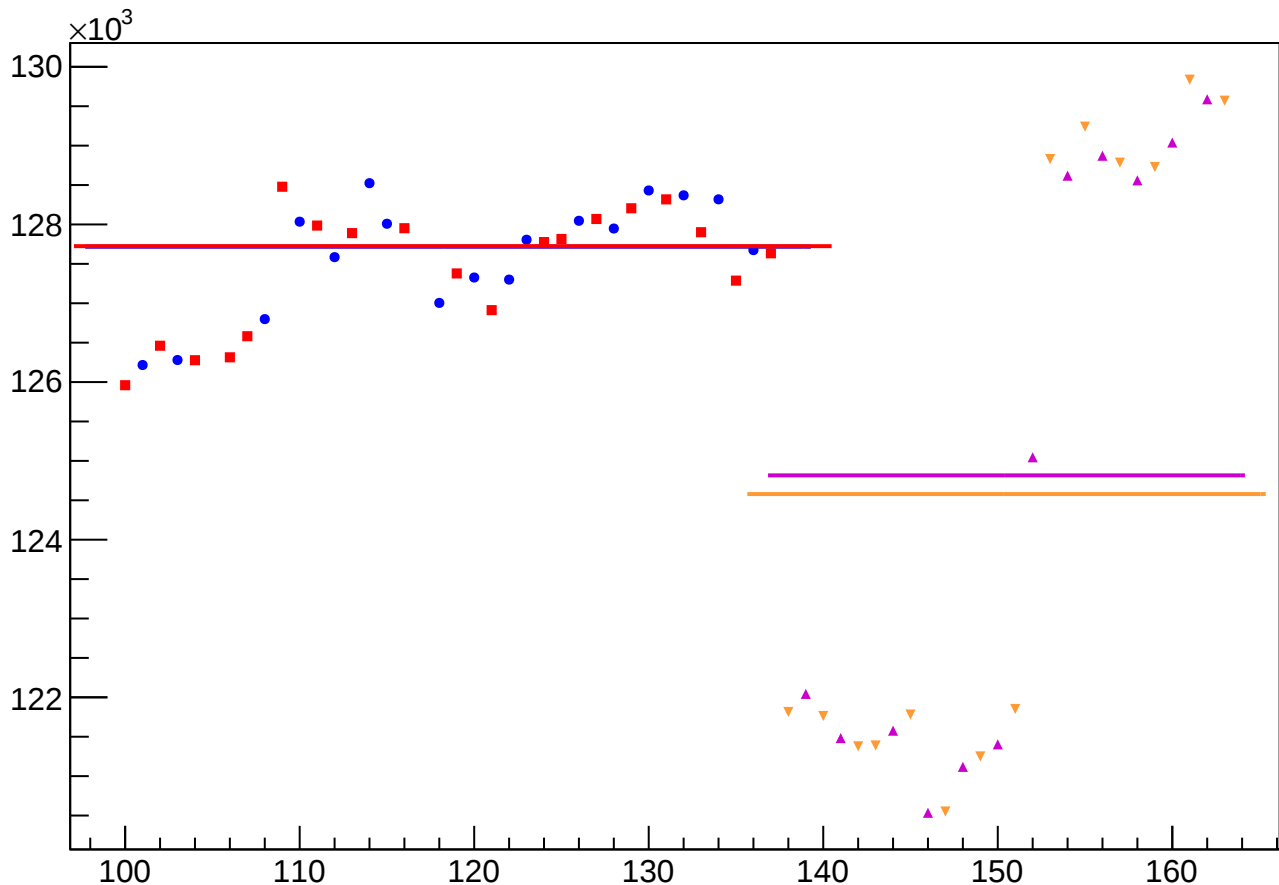
Right: 167.282+/-0.035 χ^2/NDF : 1972741.3/35

In: 184.909+/-0.034 χ^2/NDF : 1288422.6/28

Out: 180.104+/-0.032 χ^2/NDF : 1552801.8/32

All: 182.360+/-0.023 χ^2/NDF : 2852038.5/61

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127717.888 $\pm$ 0.058

χ^2 /NDF: 95177660.2/16

Left Out: 124579.118 $\pm$ 0.053

χ^2 /NDF: 4864419665.1/13

Right Out: 127724.519 $\pm$ 0.055

χ^2 /NDF: 112550604.4/18

Left In: 124816.193 $\pm$ 0.054

χ^2 /NDF: 4325913004.1/11

Left: 124697.148 $\pm$ 0.038

χ^2 /NDF: 9200156420.3/2

Right: 127721.424 $\pm$ 0.040

χ^2 /NDF: 207735167.4/3

In: 126145.743 $\pm$ 0.039

χ^2 /NDF: 5763971920.0/28

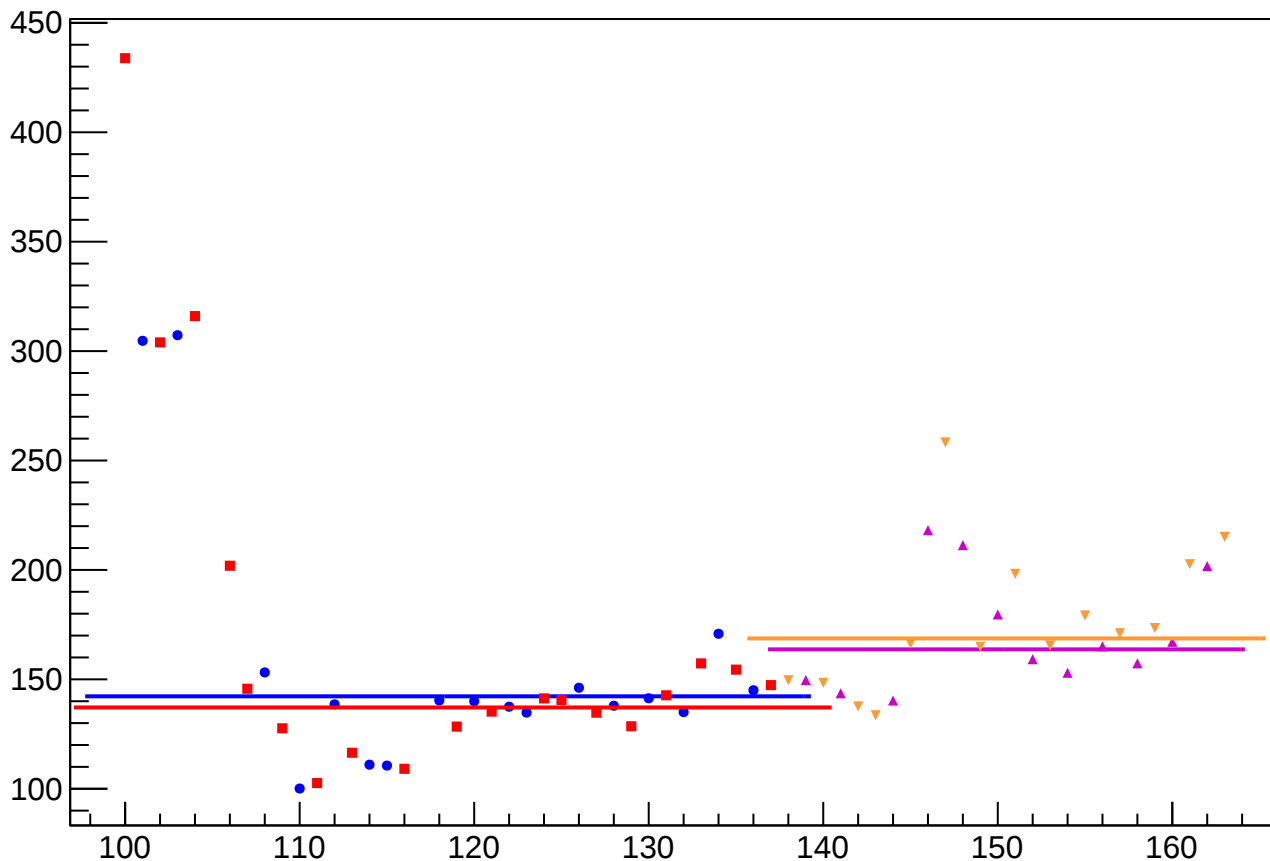
Out: 126118.250 $\pm$ 0.038

χ^2 /NDF: 6676591759.5/3

All: 126131.531 $\pm$ 0.027

χ^2 /NDF: 124408146

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 142.240 $\pm$ 0.041 χ^2 /NDF: 836415.1/16

Left Out: 168.697 $\pm$ 0.038 χ^2 /NDF:528325.3/13

Right Out: 137.151 $\pm$ 0.039 χ^2 /NDF: 957730.8/18

Left In: 163.700 $\pm$ 0.038 χ^2 /NDF:347115.4/11

Left: 166.209 $\pm$ 0.027 χ^2 /NDF: 884169.0/25

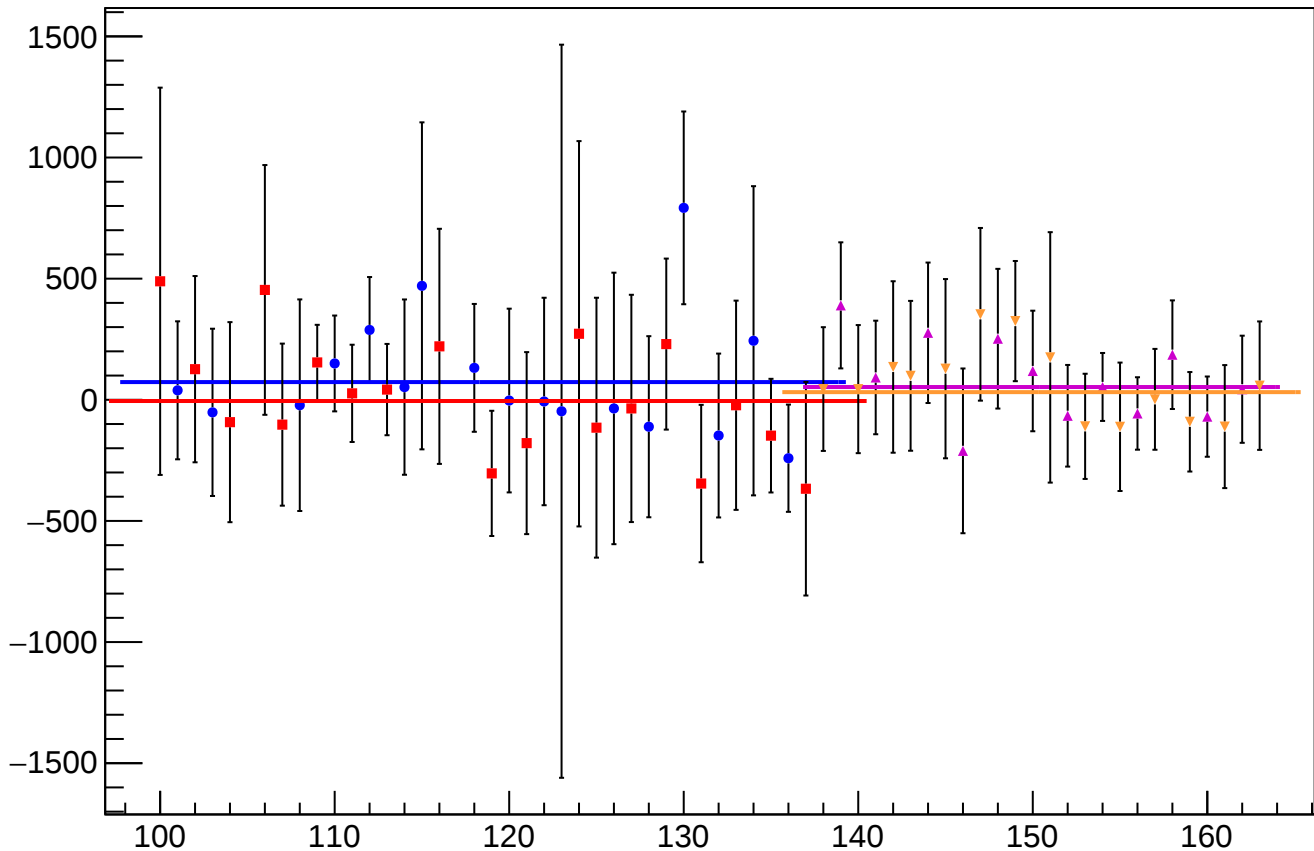
Right: 139.526 $\pm$ 0.028 χ^2 /NDF: 1802277.5/35

In: 153.867 $\pm$ 0.028 χ^2 /NDF:1330430.0/28

Out: 153.261 $\pm$ 0.027 χ^2 /NDF:1827967.7/32

All: 153.554 $\pm$ 0.019 χ^2 /NDF: 3158642.0/61

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 73.109+/-79.604 χ^2/NDF : 7.9/16

Left Out: 31.606+/-71.566 χ^2/NDF : 3.9/13

Right Out: -5.021+/-70.098 χ^2/NDF : 7.1/18

Left In: 52.697+/-60.104 χ^2/NDF : 5.2/11

Left: 43.974+/-46.026 χ^2/NDF : 9.2/25

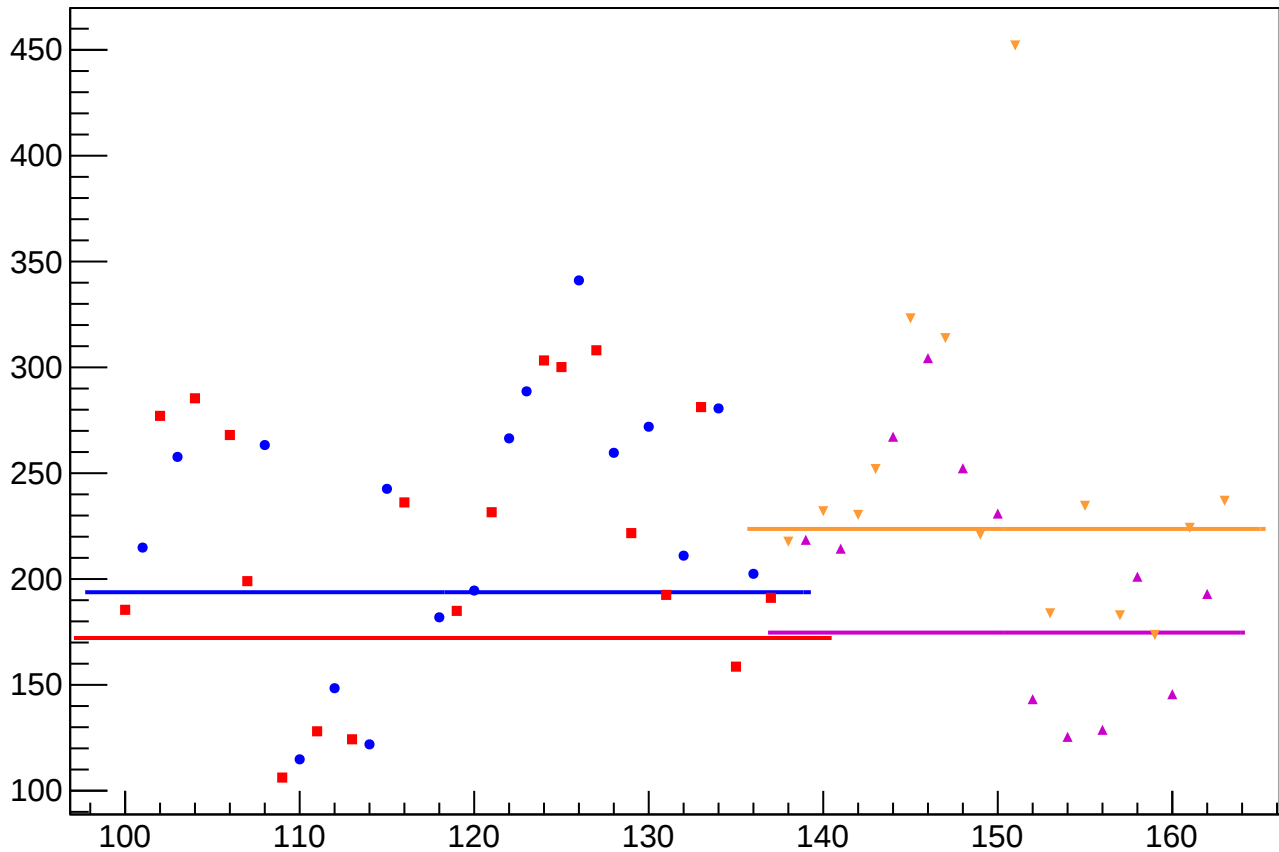
Right: 29.103+/-52.608 χ^2/NDF : 15.5/35

In: 60.109+/-47.967 χ^2/NDF : 13.1/28

Out: 12.913+/-50.078 χ^2/NDF : 11.1/32

All: 37.527+/-34.640 χ^2/NDF : 24.7/61

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.773 $\pm$ 0.056 χ^2 /NDF: 1017081.7/16

Left Out: 223.677 $\pm$ 0.051 χ^2 /NDF: 955823.3/13

Right Out: 172.142 $\pm$ 0.050 χ^2 /NDF: 1580035.1/18

Left In: 174.699 $\pm$ 0.042 χ^2 /NDF: 1439367.7/11

Left: 194.956 $\pm$ 0.033 χ^2 /NDF: 2944491.5/25

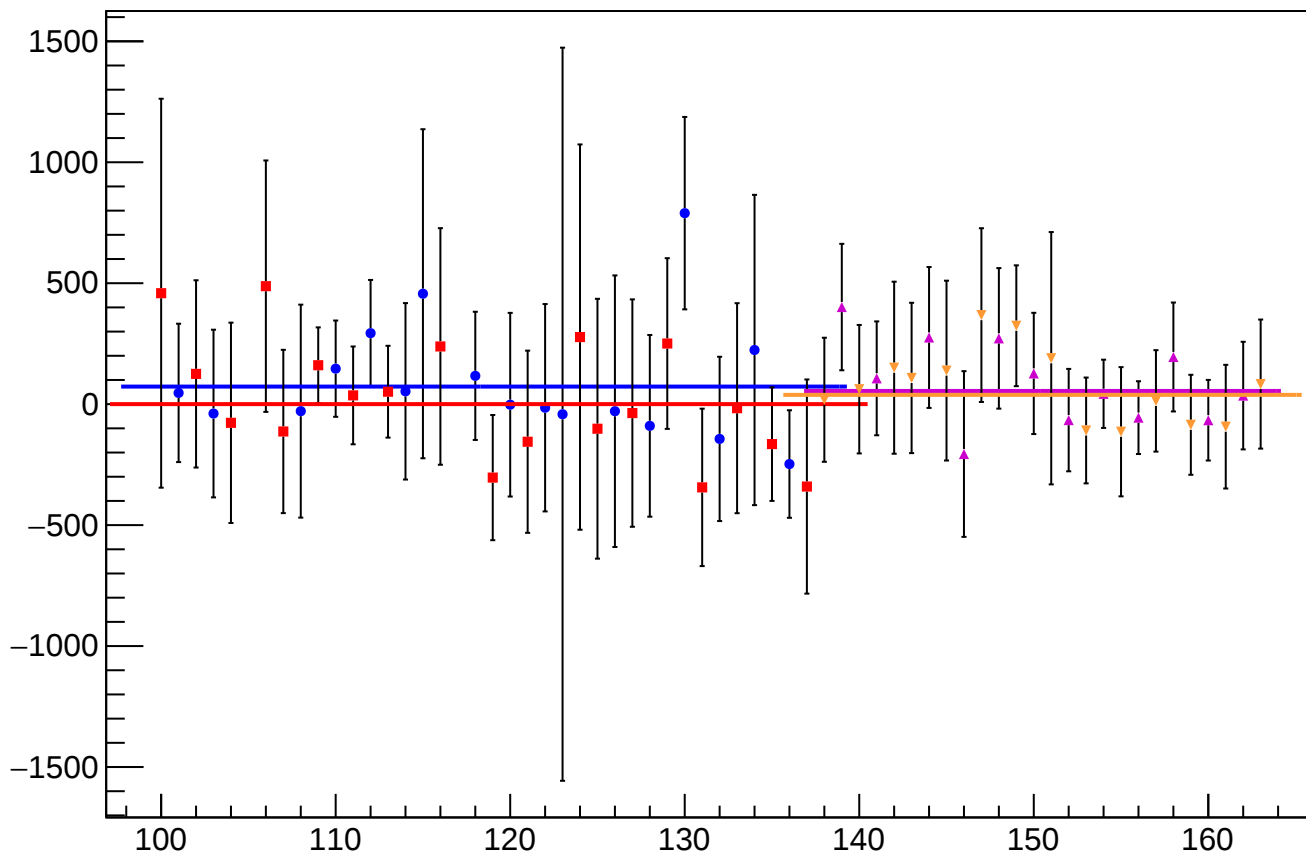
Right: 181.589 $\pm$ 0.037 χ^2 /NDF: 2680292.0/35

In: 181.624 $\pm$ 0.034 χ^2 /NDF: 2529583.1/28

Out: 197.375 $\pm$ 0.035 χ^2 /NDF: 3065145.2/32

All: 189.161 $\pm$ 0.024 χ^2 /NDF: 5697917.8/61

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 72.675+/-79.992 χ^2/NDF : 7.8/16

Left Out: 38.416+/-72.026 χ^2/NDF : 3.9/13

Right Out: 0.181+/-70.467 χ^2/NDF : 7.3/18

Left In: 54.618+/-60.469 χ^2/NDF : 5.4/11

Left: 47.919+/-46.312 χ^2/NDF : 9.3/25

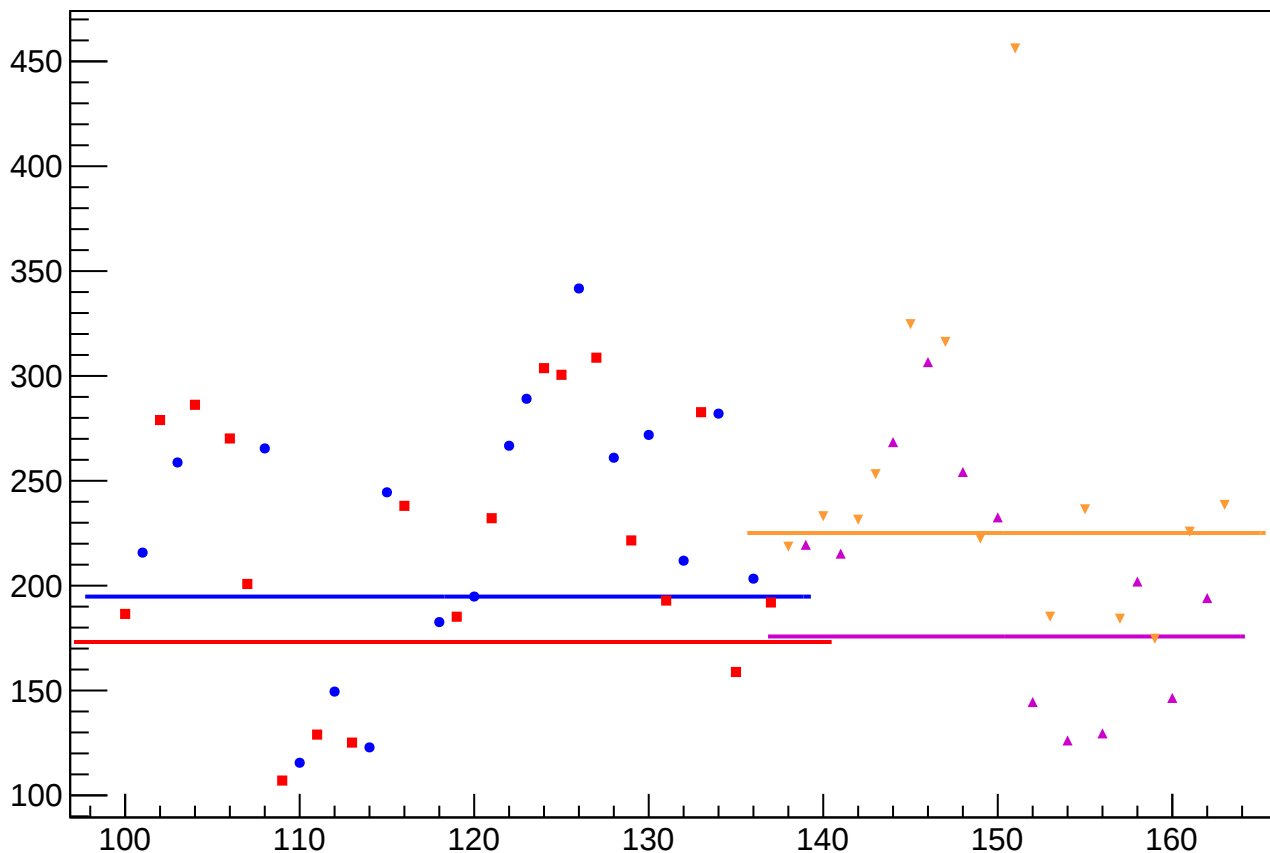
Right: 31.857+/-52.876 χ^2/NDF : 15.5/35

In: 61.184+/-48.237 χ^2/NDF : 13.2/28

Out: 18.880+/-50.370 χ^2/NDF : 11.3/32

All: 40.947+/-34.838 χ^2/NDF : 24.9/61

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.782 $\pm$ 0.057 χ^2 /NDF: 1008292.8/16

Left Out: 225.106 $\pm$ 0.051 χ^2 /NDF:955356.0/13

Right Out: 173.131 $\pm$ 0.050 χ^2 /NDF: 1567556.0/18

Left In: 175.760 $\pm$ 0.043 χ^2 /NDF:1437318.4/11

Left: 196.162 $\pm$ 0.033 χ^2 /NDF: 2943324.3/25

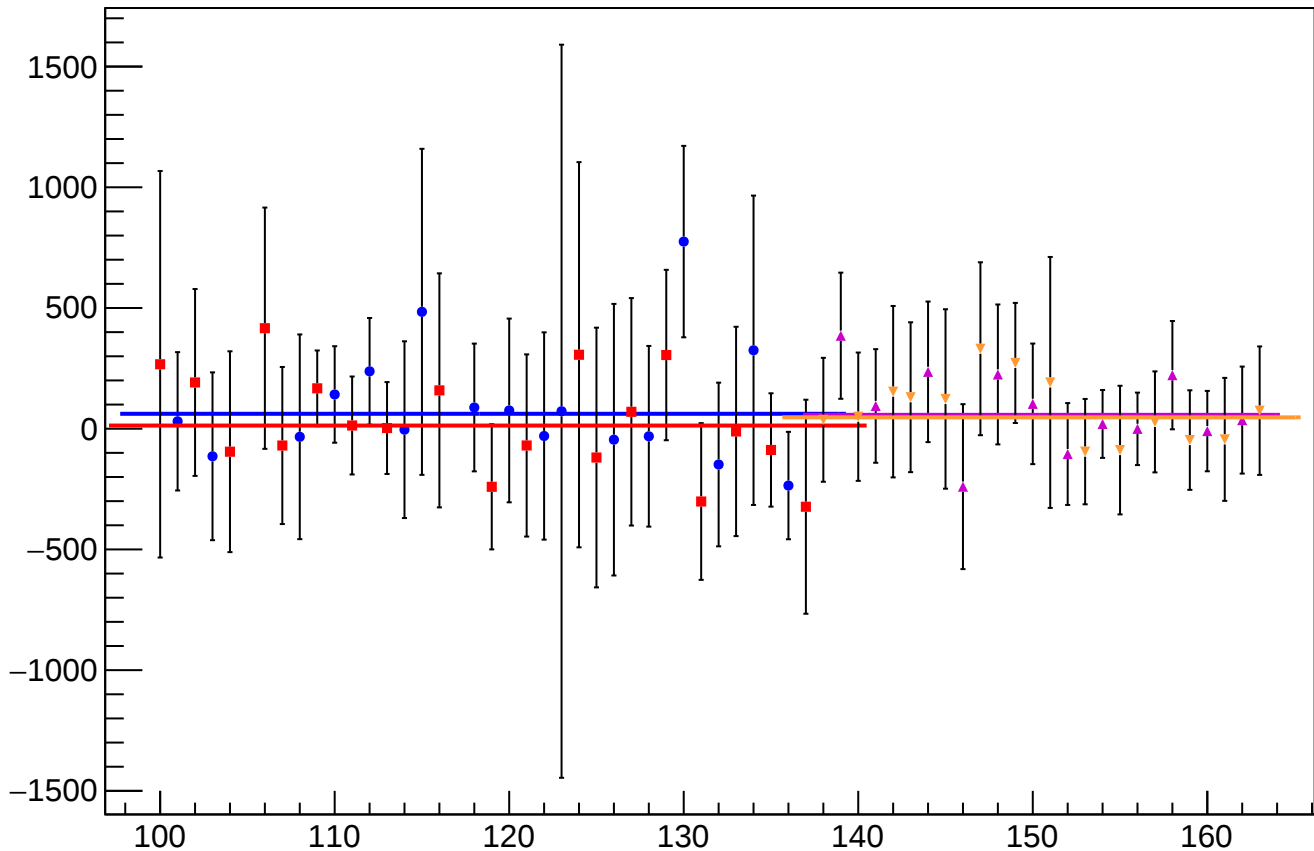
Right: 182.592 $\pm$ 0.037 χ^2 /NDF: 2658346.9/35

In: 182.678 $\pm$ 0.034 χ^2 /NDF:2517580.8/28

Out: 198.550 $\pm$ 0.036 χ^2 /NDF:3055037.6/32

All: 190.271 $\pm$ 0.025 χ^2 /NDF: 5676213.7/61

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 61.814+/-79.986 χ^2/NDF : 7.3/16

Left Out: 47.008+/-71.872 χ^2/NDF : 2.8/13

Right Out: 13.101+/-70.391 χ^2/NDF : 5.8/18

Left In: 57.487+/-60.322 χ^2/NDF : 4.6/11

Left: 53.156+/-46.205 χ^2/NDF : 7.4/25

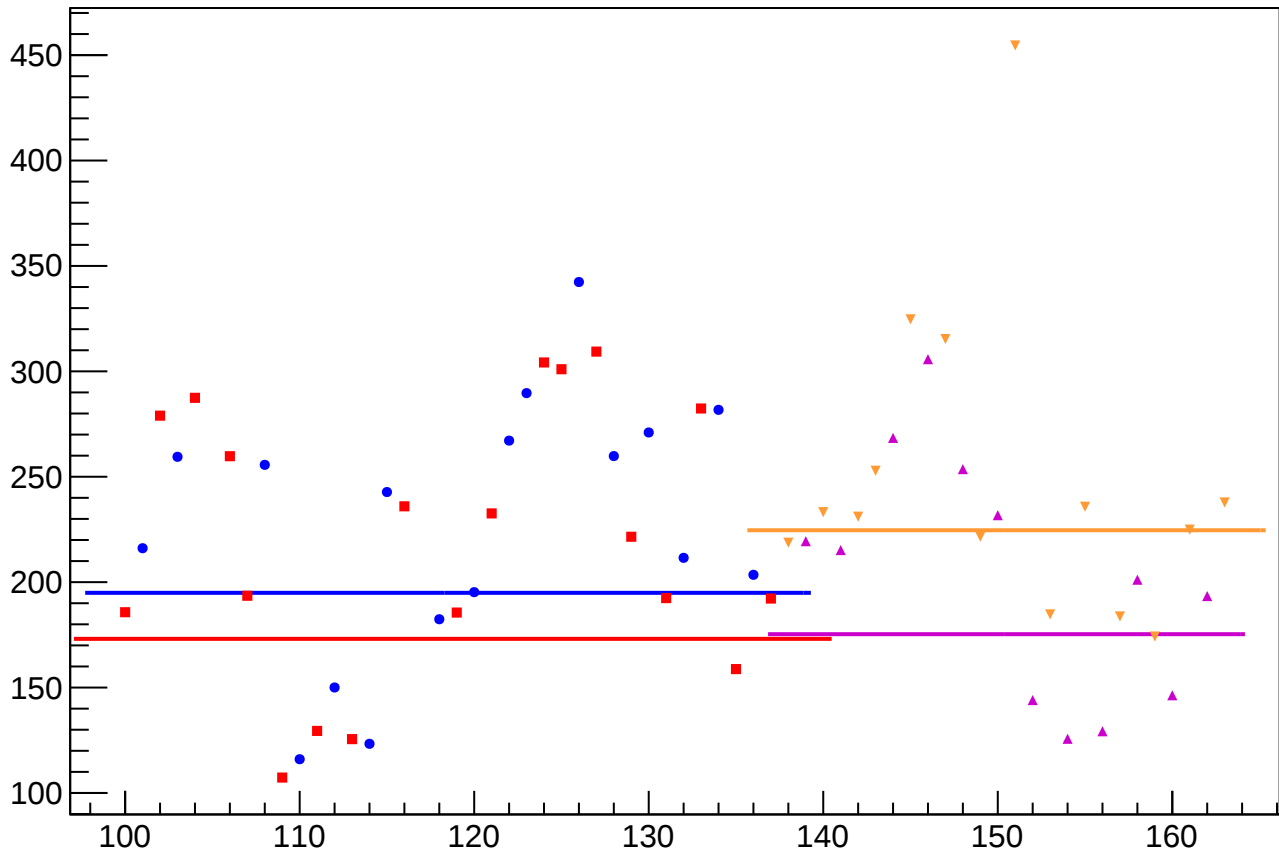
Right: 34.362+/-52.842 χ^2/NDF : 13.2/35

In: 59.056+/-48.162 χ^2/NDF : 11.9/28

Out: 29.702+/-50.289 χ^2/NDF : 8.6/32

All: 45.013+/-34.783 χ^2/NDF : 20.7/61

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.939 $\pm$ 0.057 χ^2/NDF : 986629.1/16

Left Out: 224.617 $\pm$ 0.051 χ^2/NDF : 956750.1/13

Right Out: 173.109 $\pm$ 0.050 χ^2/NDF : 1544723.9/18

Left In: 175.320 $\pm$ 0.043 χ^2/NDF : 1440748.8/11

Left: 195.694 $\pm$ 0.033 χ^2/NDF : 2949542.7/25

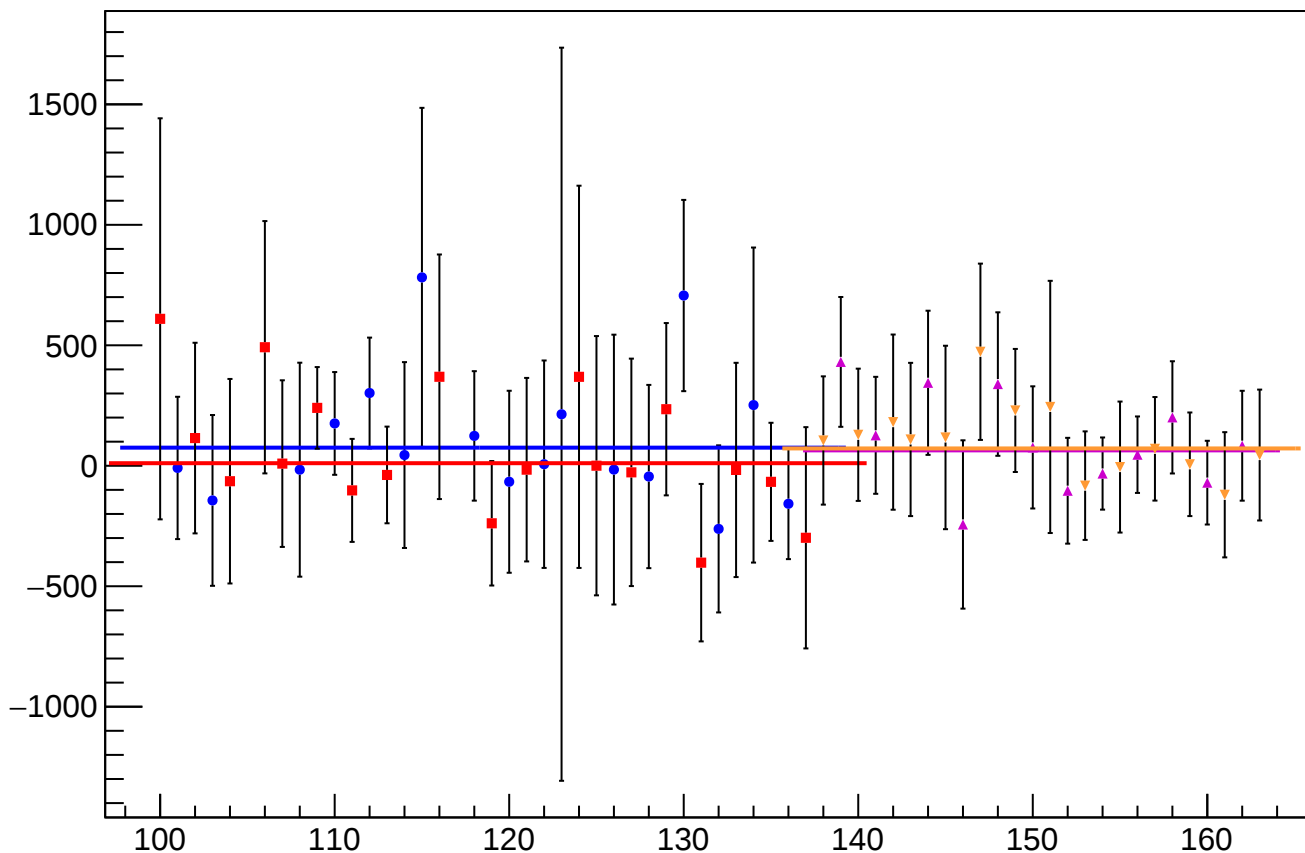
Right: 182.637 $\pm$ 0.037 χ^2/NDF : 2615306.2/35

In: 182.433 $\pm$ 0.034 χ^2/NDF : 2504075.3/28

Out: 198.327 $\pm$ 0.036 χ^2/NDF : 3025782.5/32

All: 190.037 $\pm$ 0.025 χ^2/NDF : 5634060.5/61

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 75.207 $\pm$ 82.504 χ^2 /NDF: 7.6/16

Left Out: 71.944 $\pm$ 73.902 χ^2 /NDF:3.1/13

Right Out: 10.674 $\pm$ 73.338 χ^2 /NDF: 7.8/18

Left In: 63.930 $\pm$ 62.894 χ^2 /NDF:6.4/11

Left: 67.296 $\pm$ 47.896 χ^2 /NDF: 9.5/25

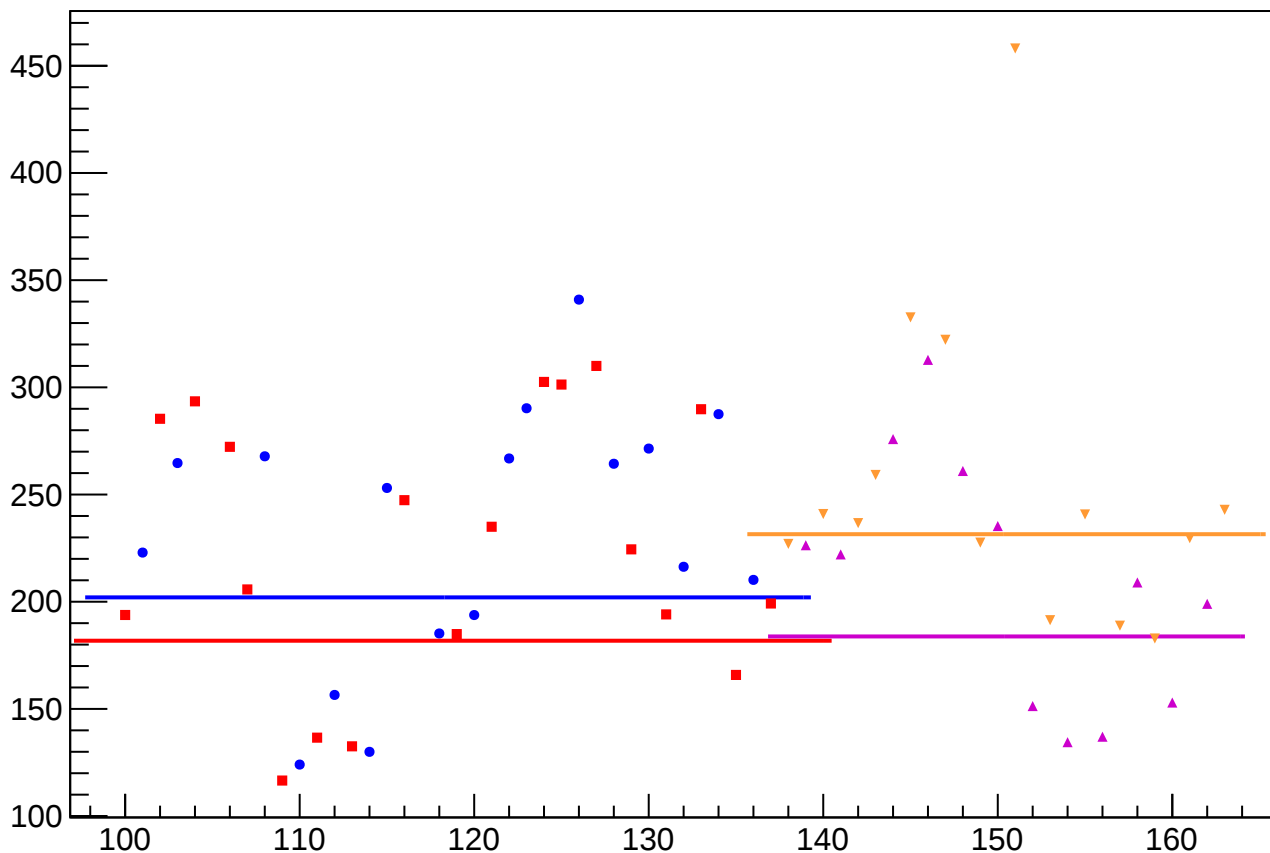
Right: 39.157 $\pm$ 54.813 χ^2 /NDF: 15.8/35

In: 68.075 $\pm$ 50.018 χ^2 /NDF:14.0/28

Out: 41.074 $\pm$ 52.056 χ^2 /NDF:11.3/32

All: 55.113 $\pm$ 36.067 χ^2 /NDF: 25.4/61

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.029+/-0.058 χ^2/NDF : 881608.7/16

Left Out: 231.504+/-0.052 χ^2/NDF : 908479.6/13

Right Out: 181.811+/-0.052 χ^2/NDF : 1377537.2/18

Left In: 183.805+/-0.044 χ^2/NDF : 1308532.1/11

Left: 203.841+/-0.034 χ^2/NDF : 2700200.2/25

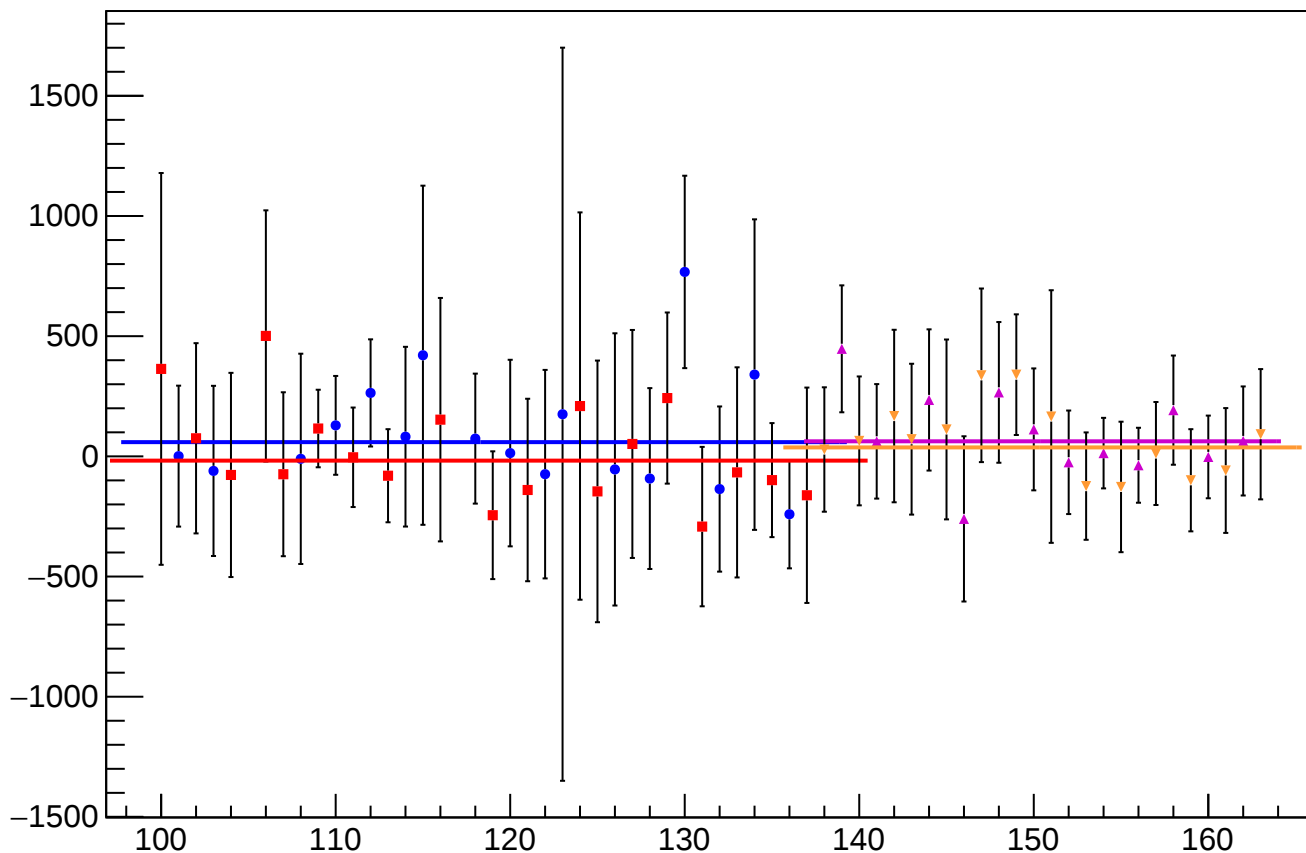
Right: 190.735+/-0.039 χ^2/NDF : 2326235.8/35

In: 190.503+/-0.035 χ^2/NDF : 2251854.4/28

Out: 206.467+/-0.037 χ^2/NDF : 2741617.8/32

All: 198.167+/-0.026 χ^2/NDF : 5091271.1/61

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 59.175+/-81.417 χ^2/NDF : 7.1/16

Left Out: 37.211+/-73.116 χ^2/NDF : 3.9/13

Right Out: -17.727+/-71.900 χ^2/NDF : 4.7/18

Left In: 62.645+/-61.901 χ^2/NDF : 5.0/11

Left: 52.026+/-47.244 χ^2/NDF : 9.0/25

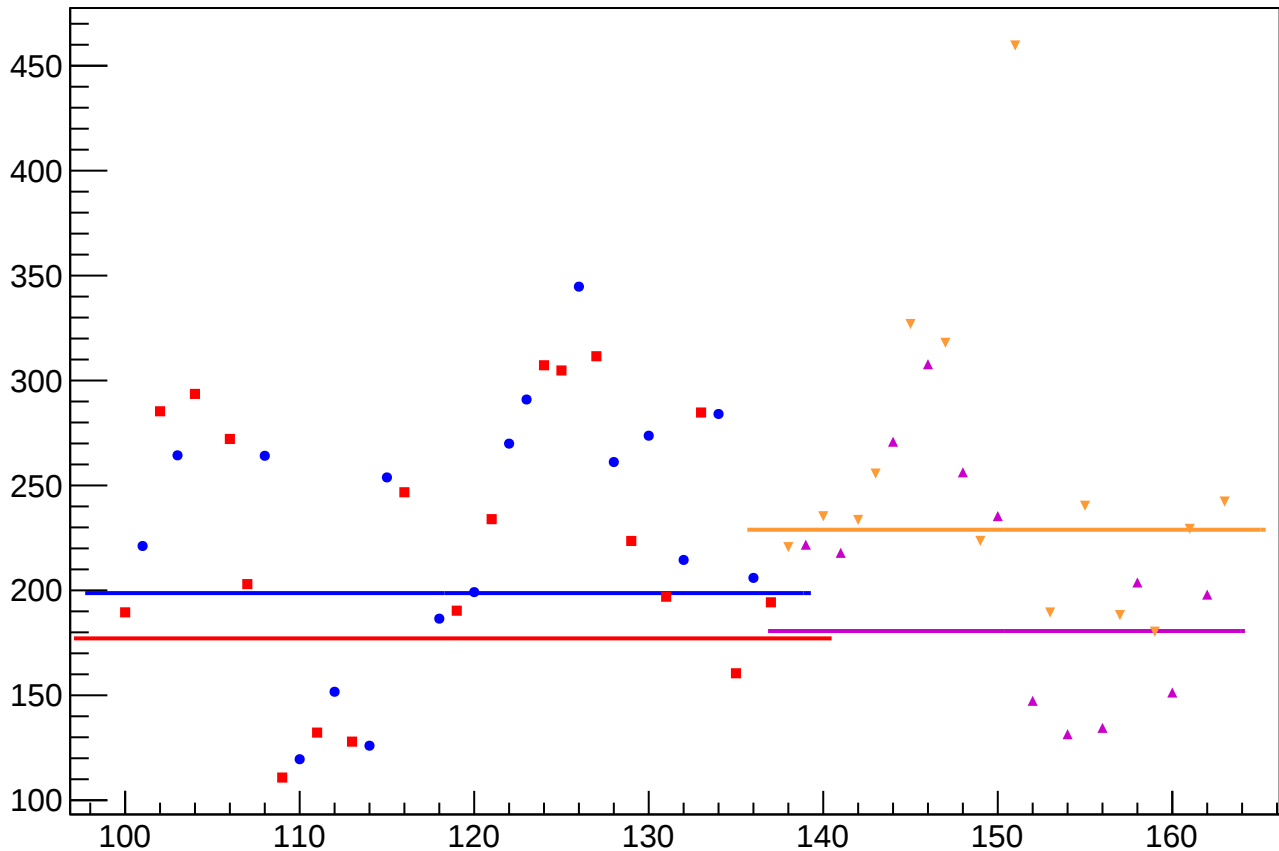
Right: 15.968+/-53.893 χ^2/NDF : 12.3/35

In: 61.374+/-49.276 χ^2/NDF : 12.2/28

Out: 9.281+/-51.266 χ^2/NDF : 8.8/32

All: 36.358+/-35.526 χ^2/NDF : 21.5/61

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.704 $\pm$ 0.058 χ^2/NDF : 963394.4/16

Left Out: 228.902 $\pm$ 0.052 χ^2/NDF : 910991.6/13

Right Out: 177.125 $\pm$ 0.051 χ^2/NDF : 1524889.9/18

Left In: 180.636 $\pm$ 0.044 χ^2/NDF : 1324157.1/11

Left: 200.787 $\pm$ 0.033 χ^2/NDF : 2742806.2/25

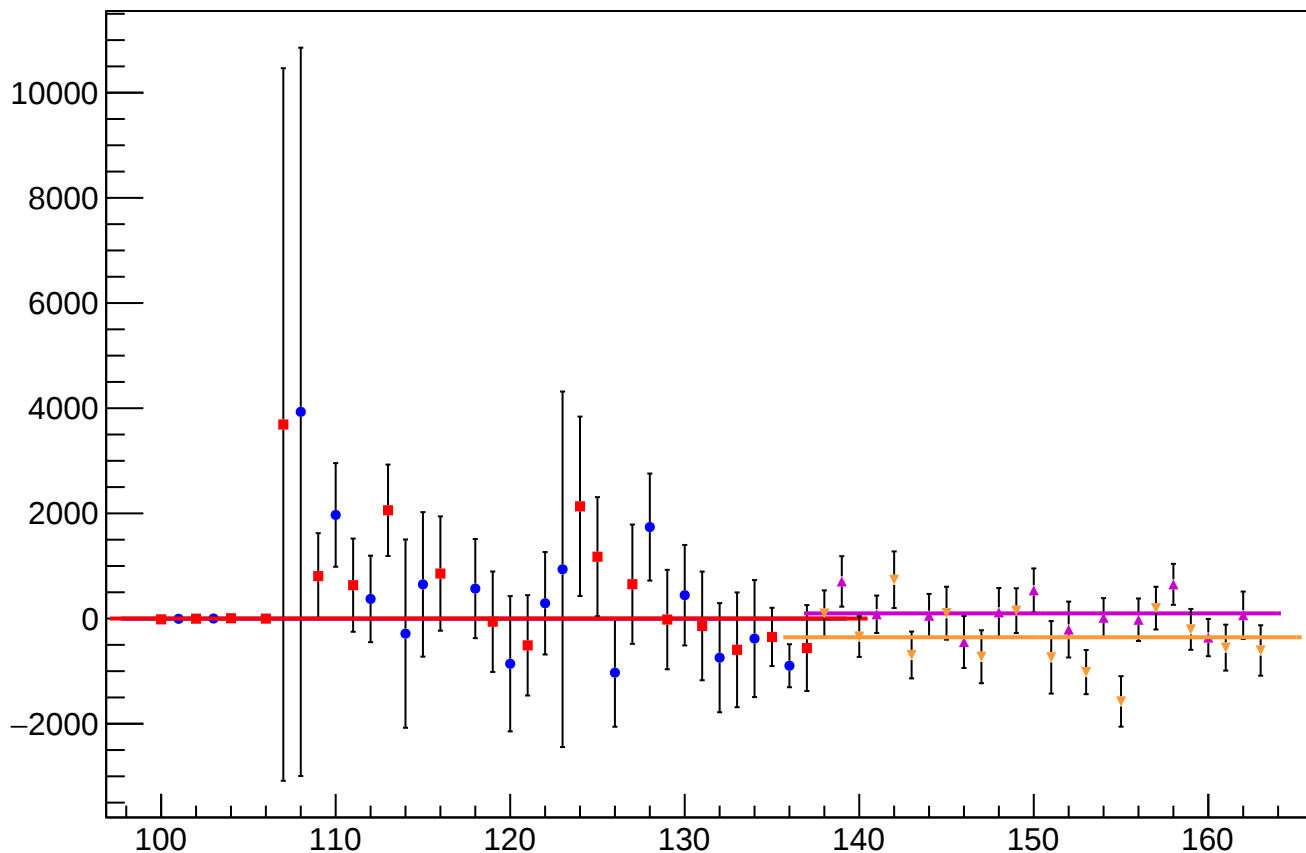
Right: 186.580 $\pm$ 0.038 χ^2/NDF : 2567217.8/35

In: 187.254 $\pm$ 0.035 χ^2/NDF : 2349965.3/28

Out: 202.579 $\pm$ 0.036 χ^2/NDF : 2945760.7/32

All: 194.614 $\pm$ 0.025 χ^2/NDF : 5388618.6/61

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.529 ± 2.251 χ^2/NDF : 16.6/16

Left Out: -355.202 ± 121.140 χ^2/NDF : 20.3/13

Right Out: 0.731 ± 2.111 χ^2/NDF : 18.4/18

Left In: 98.596 ± 120.552 χ^2/NDF : 8.1/11

Left: -127.199 ± 85.450 χ^2/NDF : 35.4/25

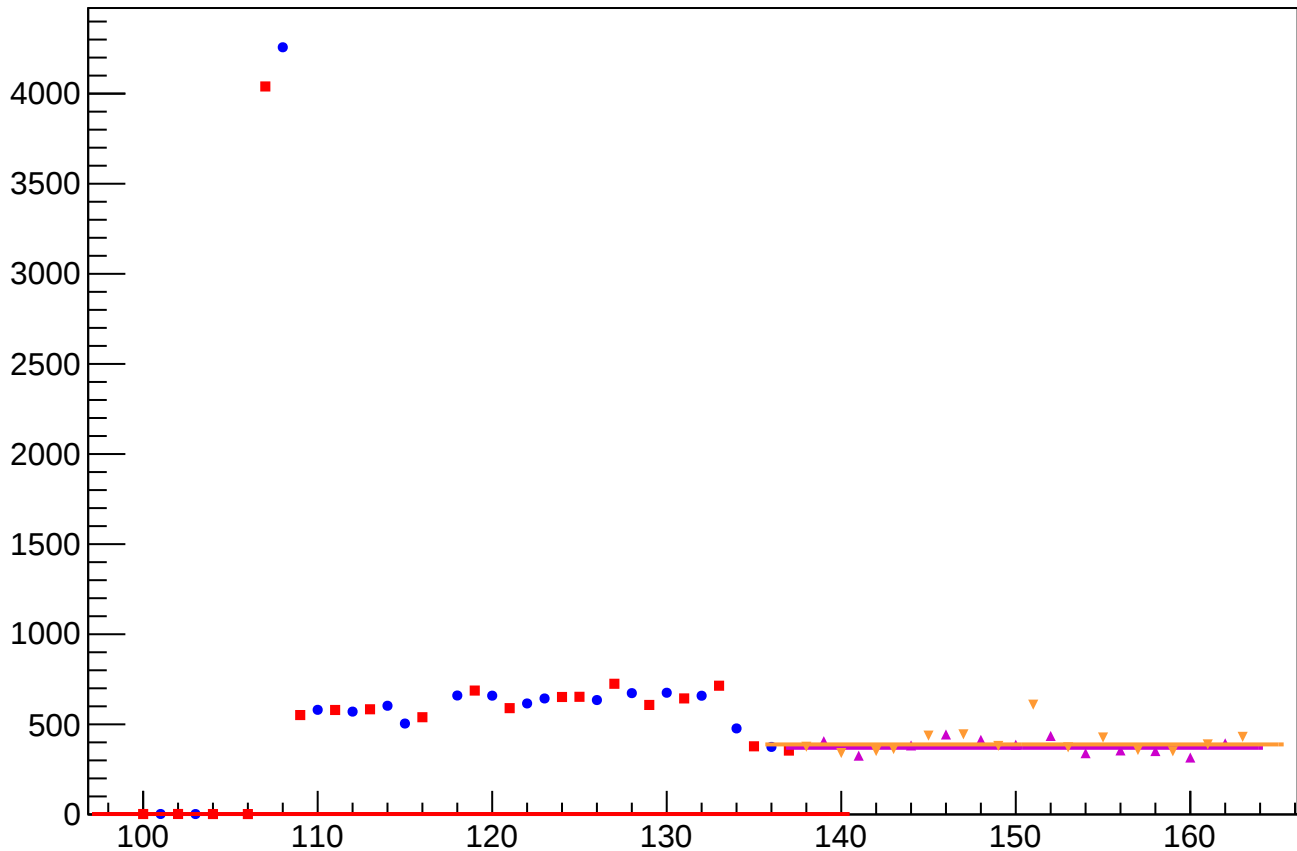
Right: -0.326 ± 1.540 χ^2/NDF : 35.6/35

In: -1.494 ± 2.251 χ^2/NDF : 25.4/28

Out: 0.623 ± 2.111 χ^2/NDF : 47.3/32

All: -0.367 ± 1.540 χ^2/NDF : 73.2/61

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 388.645+/-0.086 χ^2/NDF : 359784.3/13

Right Out: 2.437+/-0.001 χ^2/NDF : 11140185.1/18

Left In: 369.960+/-0.085 χ^2/NDF : 212930.7/11

Left: 379.257+/-0.060 χ^2/NDF : 596622.3/25

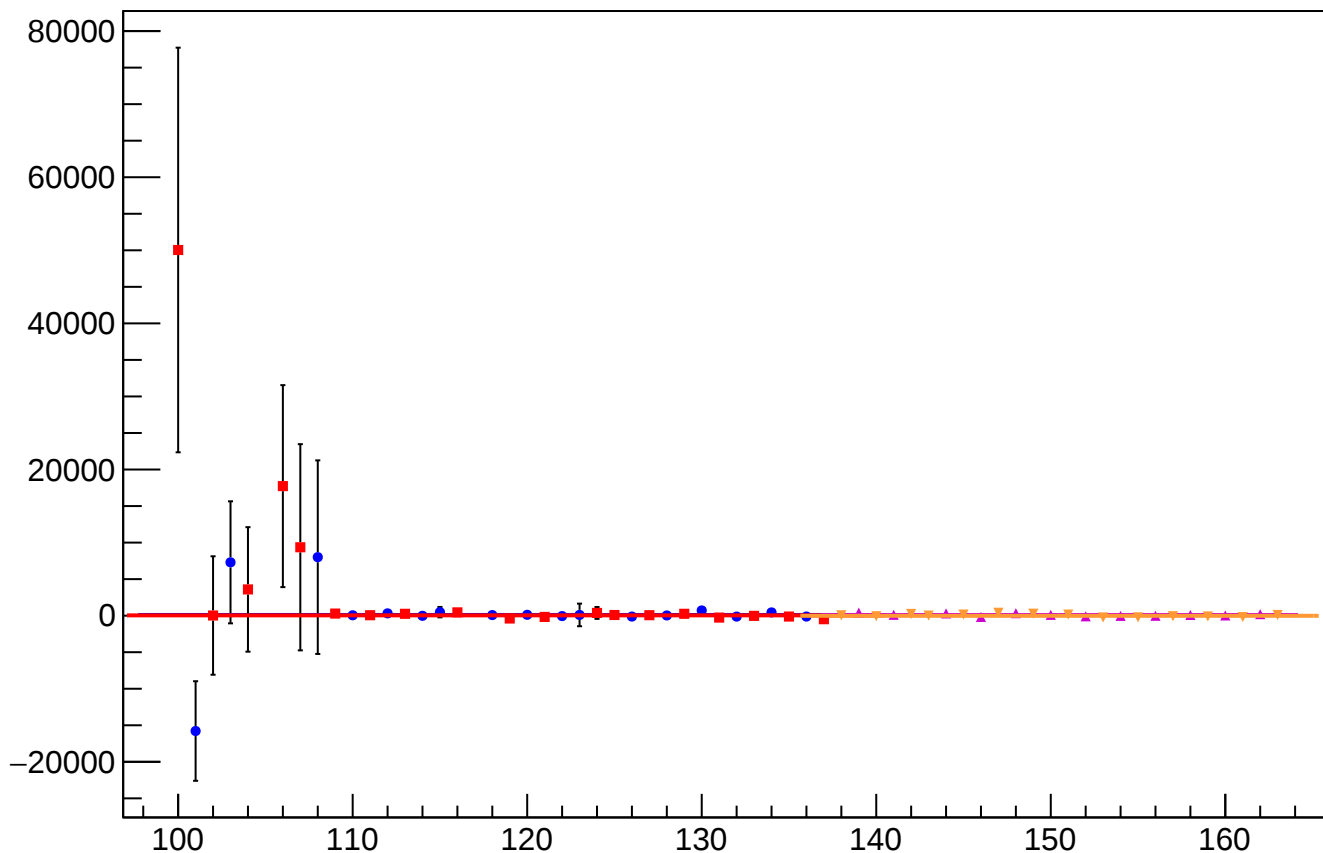
Right: 2.446+/-0.001 χ^2/NDF : 21846612.0/35

In: 2.584+/-0.002 χ^2/NDF : 29499643.5/28

Out: 2.554+/-0.001 χ^2/NDF : 31821986.7/32

All: 2.568+/-0.001 χ^2/NDF : 61321823.6/61

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: -15.281+/-77.061 χ^2/NDF : 5.3/13

Right Out: 42.617+/-84.547 χ^2/NDF : 14.0/18

Left In: 84.971+/-66.500 χ^2/NDF : 5.0/11

Left: 42.180+/-50.346 χ^2/NDF : 11.4/25

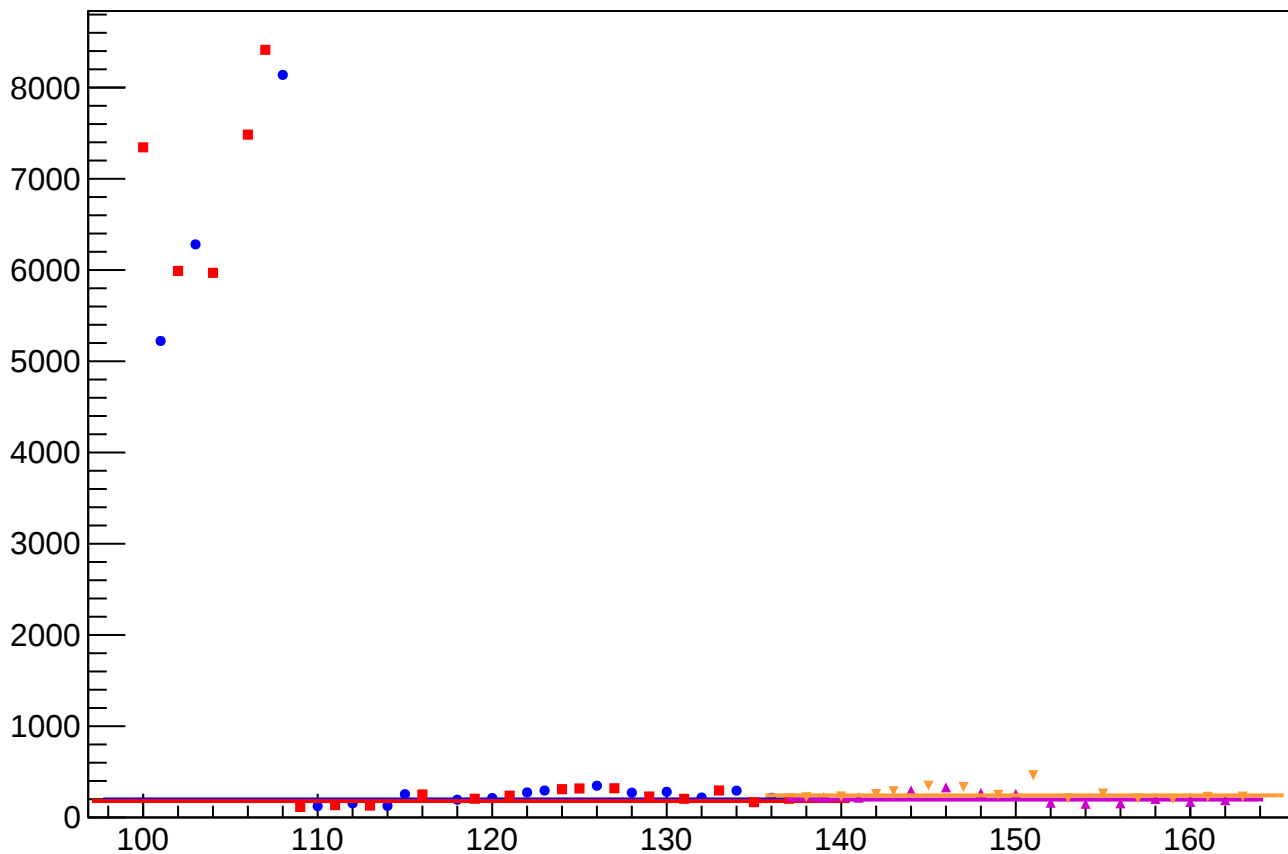
Right: 66.846+/-62.161 χ^2/NDF : 26.2/35

In: 88.549+/-53.836 χ^2/NDF : 17.1/28

Out: 10.992+/-56.953 χ^2/NDF : 19.6/32

All: 51.951+/-39.123 χ^2/NDF : 37.6/61

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.422+/-0.065 χ^2/NDF : 3695848.3/16

Left Out: 242.272+/-0.054 χ^2/NDF :824545.4/13

Right Out: 179.983+/-0.060 χ^2/NDF : 4321404.4/18

Left In: 196.024+/-0.047 χ^2/NDF :1053771.7/11

Left: 215.764+/-0.036 χ^2/NDF : 2291201.1/25

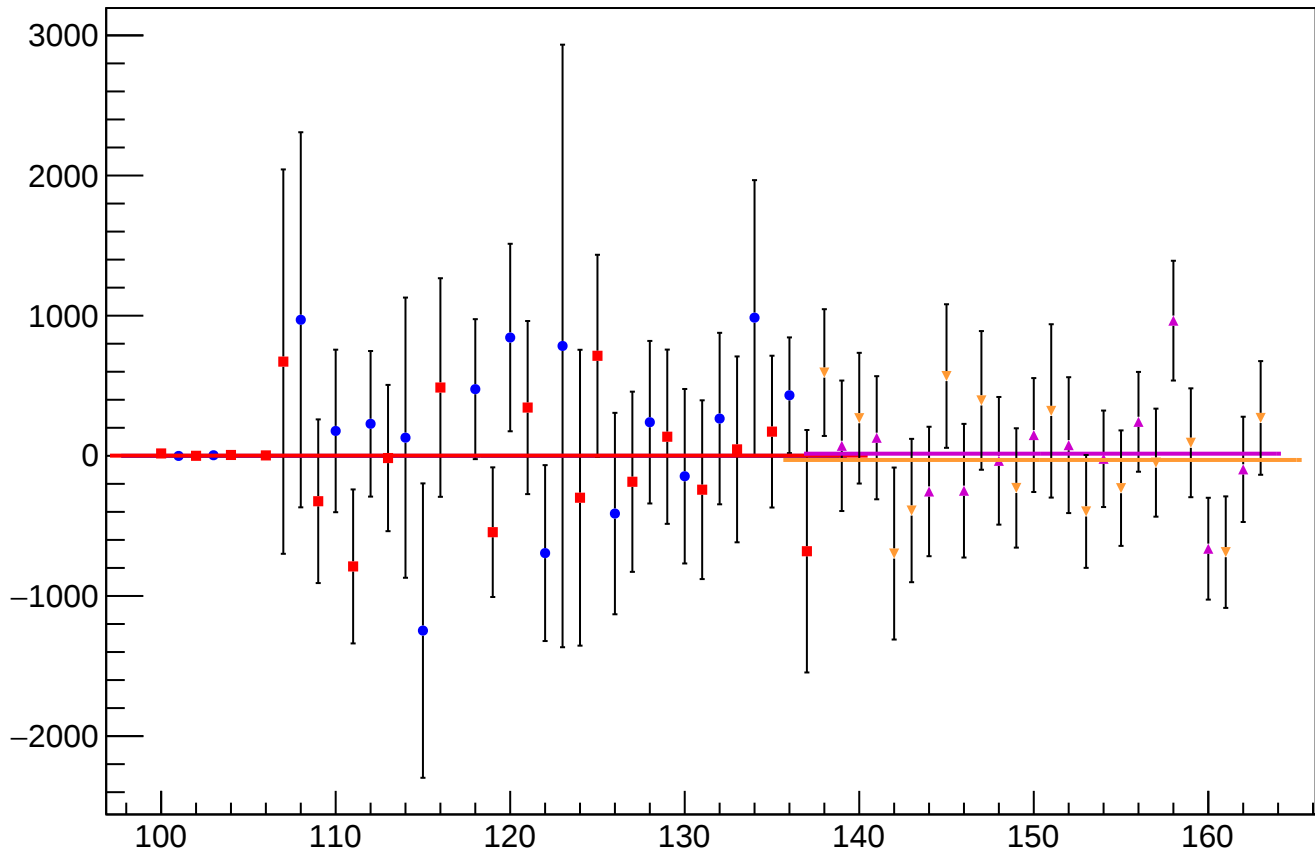
Right: 187.995+/-0.044 χ^2/NDF : 8056346.9/35

In: 196.506+/-0.038 χ^2/NDF :4749924.5/28

Out: 214.007+/-0.040 χ^2/NDF :5738921.9/32

All: 204.764+/-0.028 χ^2/NDF : 10588577.4/63

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.139 ± 1.737 χ^2/NDF : 9.8/16

Left Out: -29.560 ± 119.686 χ^2/NDF : 11.1/13

Right Out: 1.324 ± 1.623 χ^2/NDF : 9.5/18

Left In: 15.222 ± 119.116 χ^2/NDF : 9.8/11

Left: -7.062 ± 84.429 χ^2/NDF : 20.9/25

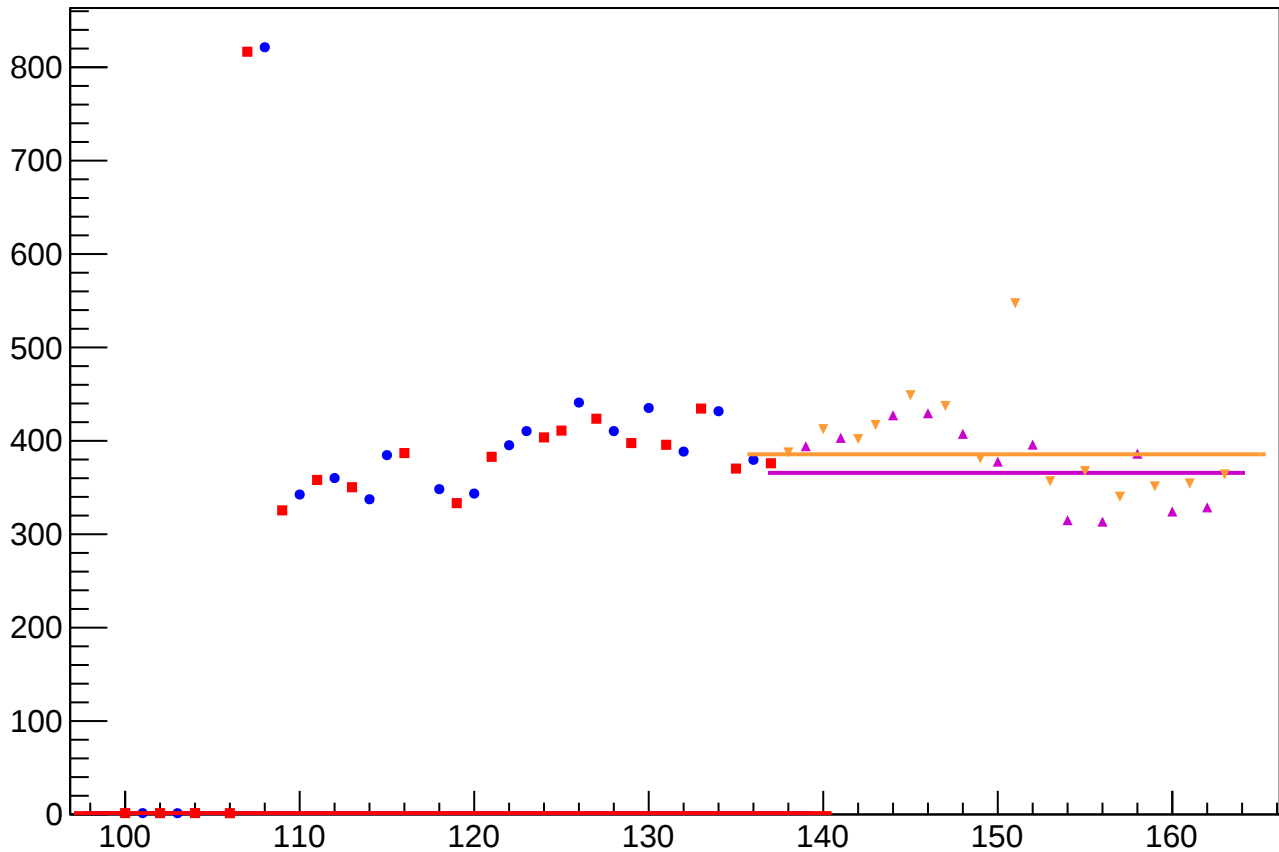
Right: 0.642 ± 1.186 χ^2/NDF : 19.7/35

In: -0.136 ± 1.736 χ^2/NDF : 19.6/28

Out: 1.318 ± 1.622 χ^2/NDF : 20.7/32

All: 0.640 ± 1.185 χ^2/NDF : 40.6/61

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.452+/-0.001 χ^2/NDF : 10815892.9/16

Left Out: 385.602+/-0.085 χ^2/NDF : 280408.5/13

Right Out: 1.451+/-0.001 χ^2/NDF : 10873552.2/18

Left In: 365.702+/-0.084 χ^2/NDF : 256092.4/11

Left: 375.605+/-0.060 χ^2/NDF : 564278.2/25

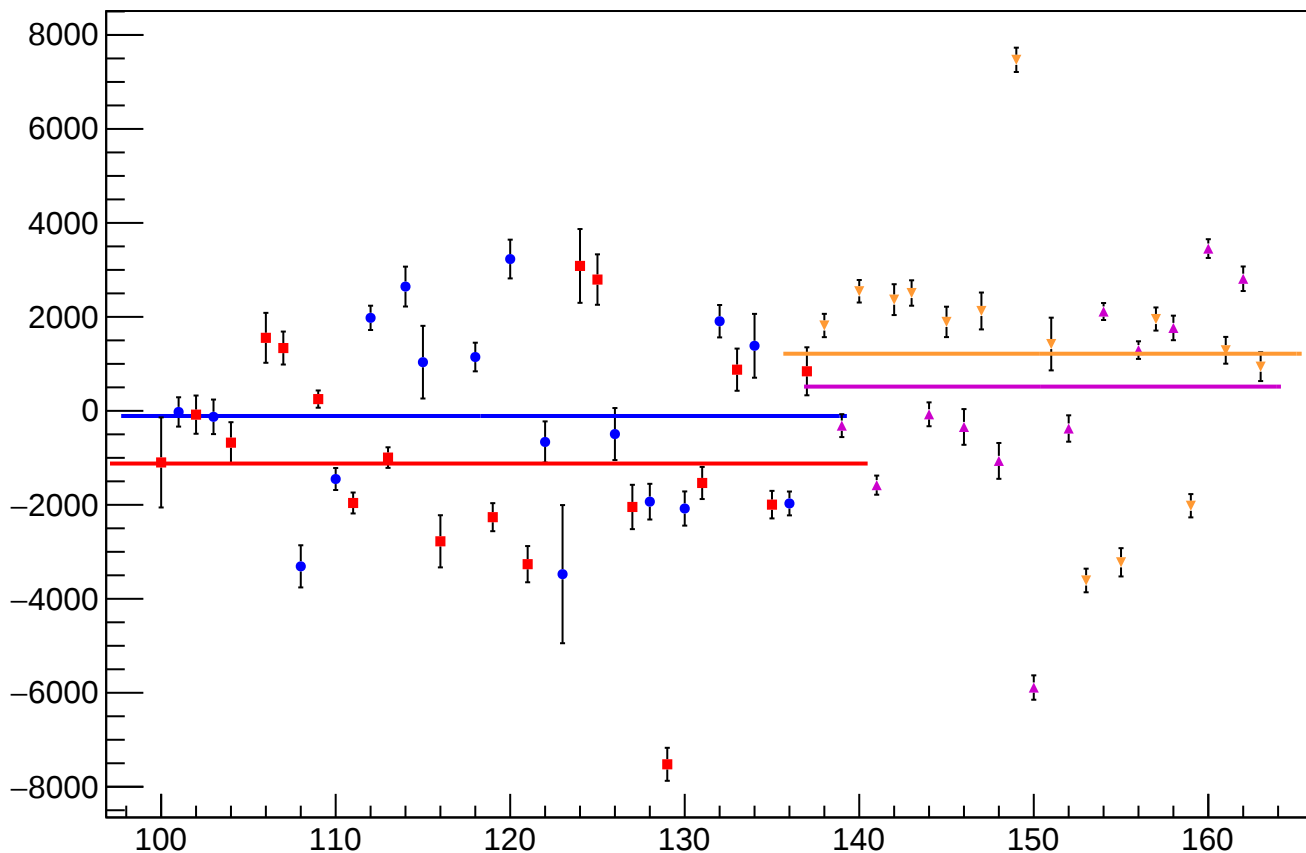
Right: 1.452+/-0.001 χ^2/NDF : 21689445.7/35

In: 1.530+/-0.001 χ^2/NDF : 29770193.8/28

Out: 1.522+/-0.001 χ^2/NDF : 31753848.0/32

All: 1.525+/-0.001 χ^2/NDF : 61524064.5/61

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -109.225 ± 87.961 $\chi^2/\text{NDF}: 428.3/16$

Left Out: 1216.136 ± 75.954 $\chi^2/\text{NDF}: 1431.6/13$

Right Out: -1121.203 ± 78.396 $\chi^2/\text{NDF}: 670.1/18$

Left In: 516.131 ± 68.786 $\chi^2/\text{NDF}: 1177.3/11$

Left: 831.550 ± 50.985 $\chi^2/\text{NDF}: 2655.6/25$

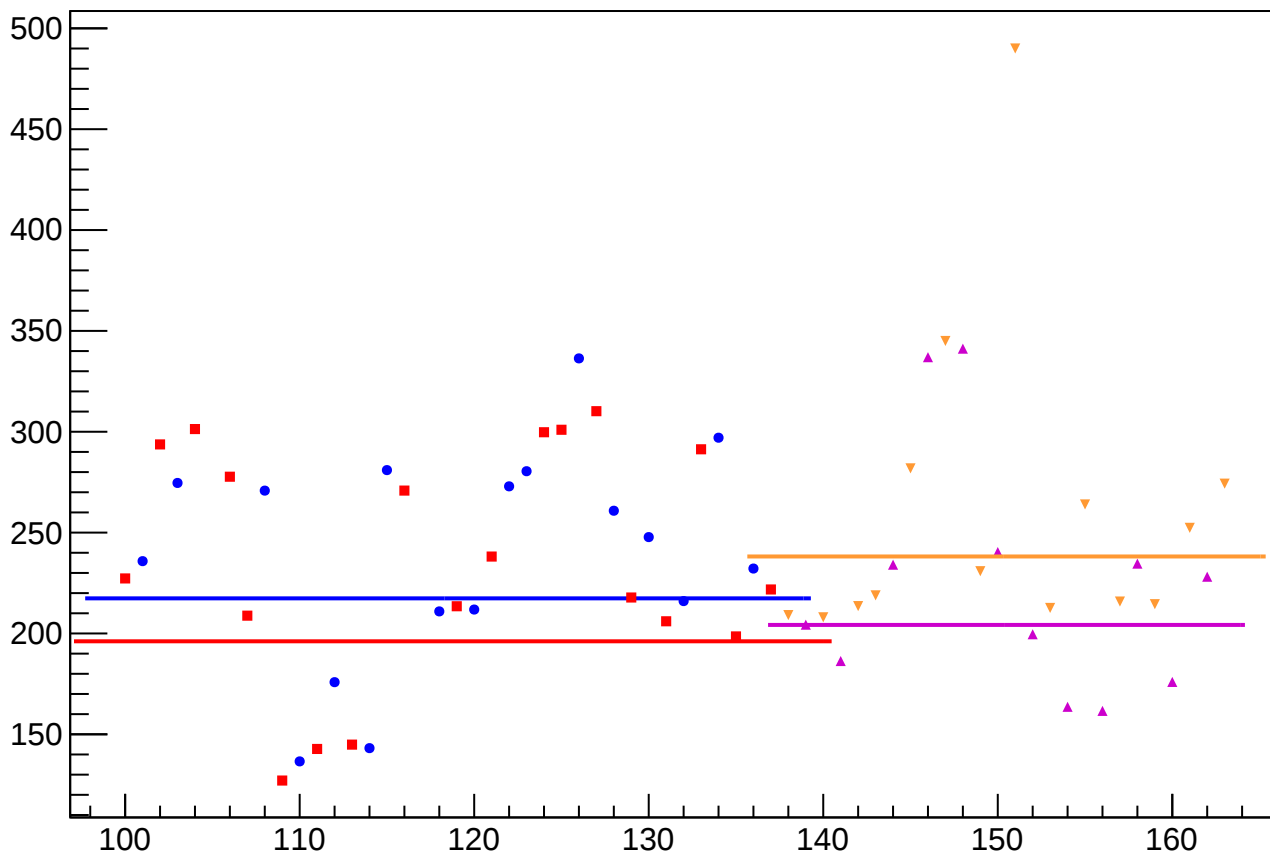
Right: -673.210 ± 58.525 $\chi^2/\text{NDF}: 1172.2/35$

In: 278.828 ± 54.185 $\chi^2/\text{NDF}: 1637.0/28$

Out: 84.441 ± 54.550 $\chi^2/\text{NDF}: 2560.2/32$

All: 182.288 ± 38.443 $\chi^2/\text{NDF}: 4203.6/61$

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.403 $\pm$ 0.062 χ^2 /NDF: 652632.9/16

Left Out: 238.166 $\pm$ 0.054 χ^2 /NDF: 772538.5/13

Right Out: 196.112 $\pm$ 0.055 χ^2 /NDF: 1190862.3/18

Left In: 204.230 $\pm$ 0.049 χ^2 /NDF: 872385.7/11

Left: 219.522 $\pm$ 0.036 χ^2 /NDF: 1864277.3/25

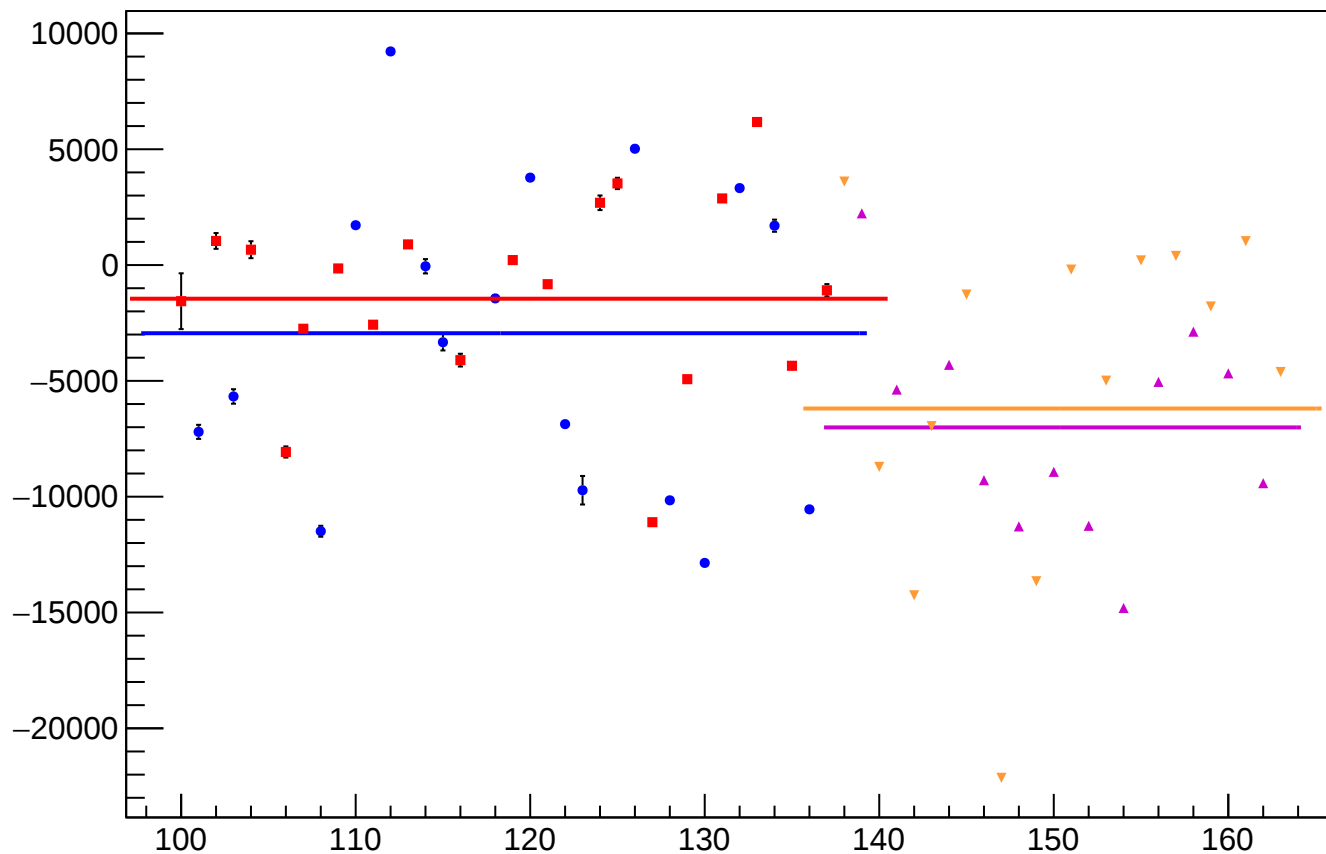
Right: 205.537 $\pm$ 0.041 χ^2 /NDF: 1908796.2/35

In: 209.229 $\pm$ 0.038 χ^2 /NDF: 1552851.3/28

Out: 217.804 $\pm$ 0.039 χ^2 /NDF: 2260262.1/32

All: 213.488 $\pm$ 0.027 χ^2 /NDF: 3837993.2/61

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2943.123+/-48.612 χ^2/NDF : 20909.8/16

Left Out: -6193.139+/-40.811 χ^2/NDF : 34018.7/13

Right Out: -1453.116+/-46.404 χ^2/NDF : 7996.0/18

Left In: -7009.928+/-42.340 χ^2/NDF : 10898.7/11

Left: -6586.511+/-29.383 χ^2/NDF : 45110.3/25

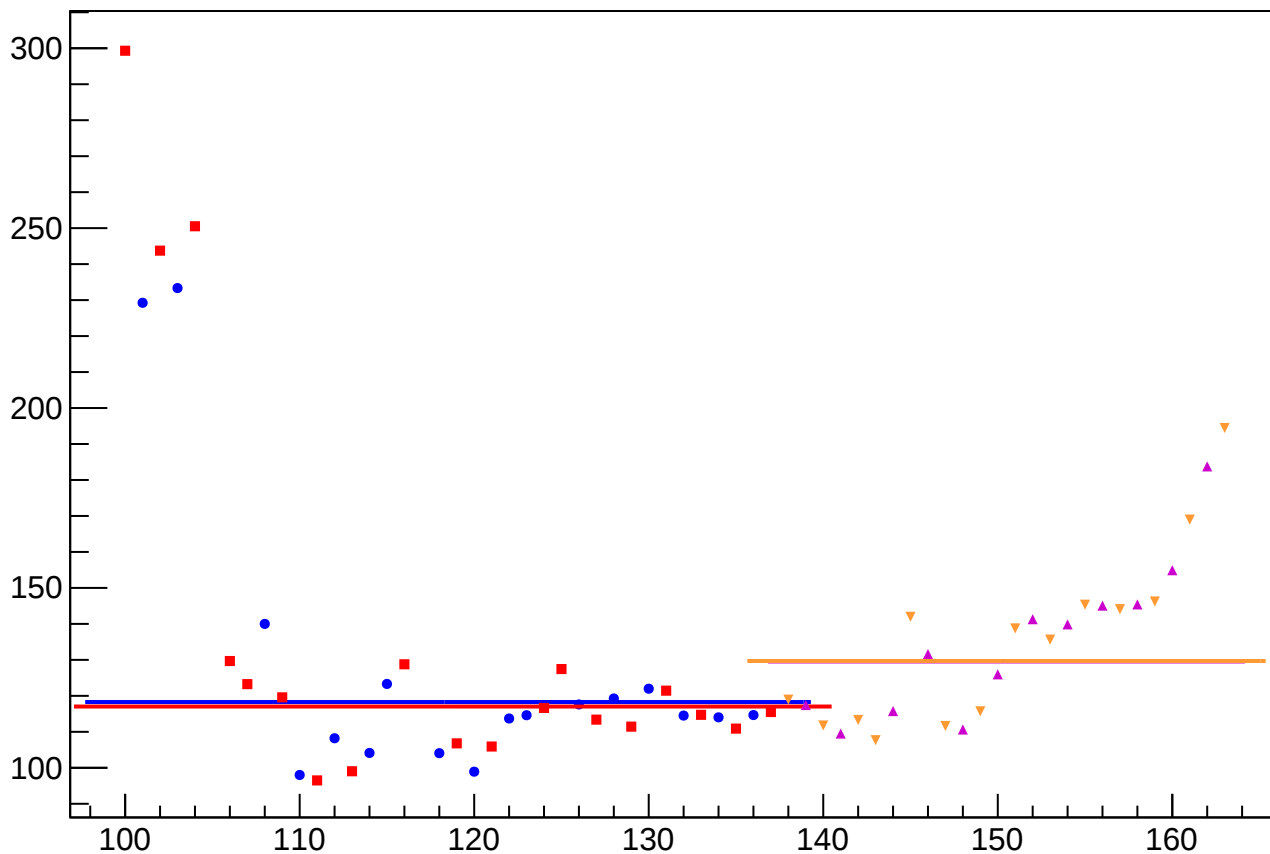
Right: -2163.502+/-33.566 χ^2/NDF : 29397.3/35

In: -5255.631+/-31.928 χ^2/NDF : 35788.2/28

Out: -4125.855+/-30.645 χ^2/NDF : 47898.1/32

All: -4667.591+/-22.109 χ^2/NDF : 84338.0/61

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.286+/-0.034 χ^2/NDF : 636918.0/16

Left Out: 129.689+/-0.029 χ^2/NDF : 523138.8/13

Right Out: 117.031+/-0.033 χ^2/NDF : 690861.5/18

Left In: 129.552+/-0.030 χ^2/NDF : 373059.7/11

Left: 129.623+/-0.021 χ^2/NDF : 896209.4/25

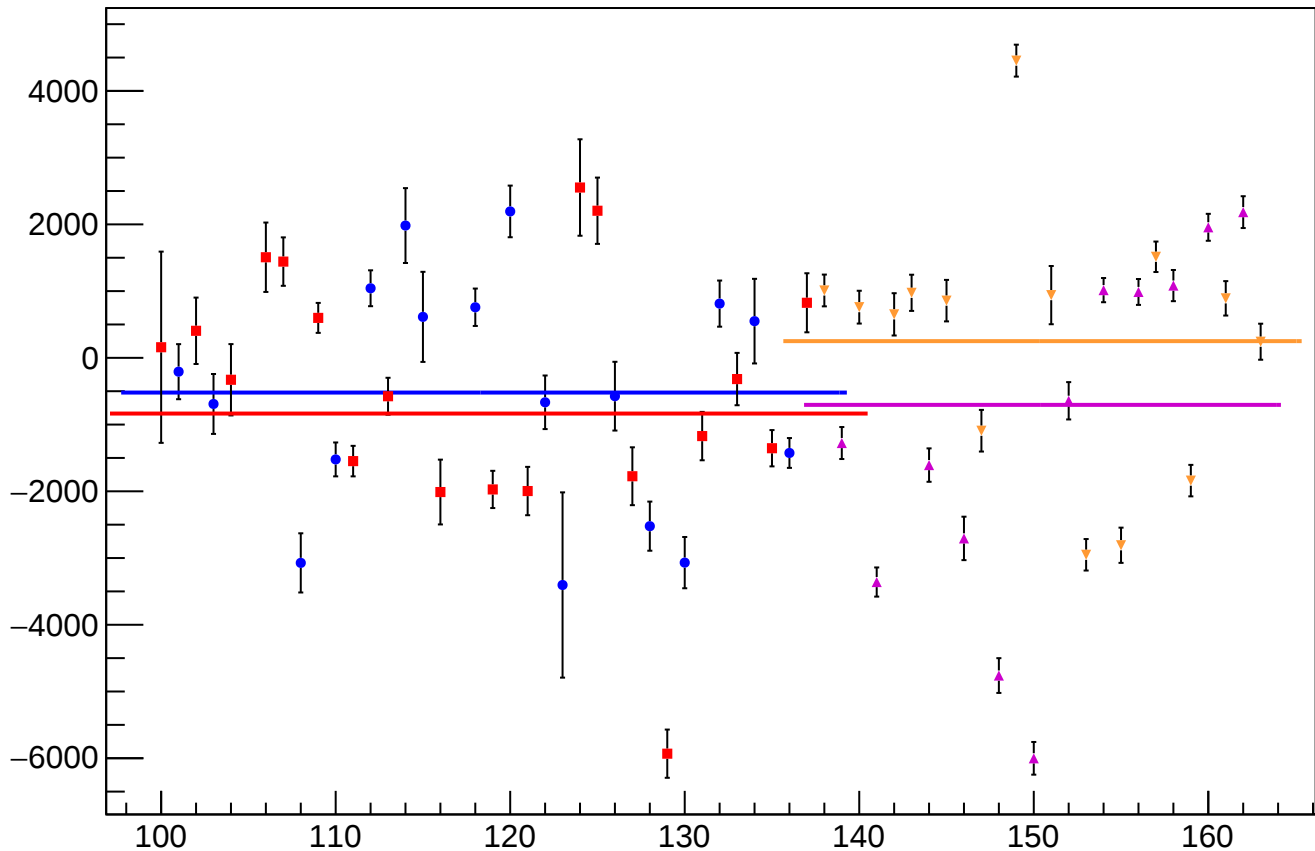
Right: 117.629+/-0.024 χ^2/NDF : 1328476.0/35

In: 124.692+/-0.023 χ^2/NDF : 1071062.5/28

Out: 124.168+/-0.022 χ^2/NDF : 1297905.3/32

All: 124.419+/-0.016 χ^2/NDF : 2369247.6/61

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -520.267±/89.241 χ^2/NDF : 288.1/16

Left Out: 250.353±/70.830 χ^2/NDF :790.3/13

Right Out: -834.834±/82.273 χ^2/NDF : 434.7/18

Left In: -704.785±/66.612 χ^2/NDF :1459.1/11

Left: -256.503±/48.524 χ^2/NDF : 2346.0/25

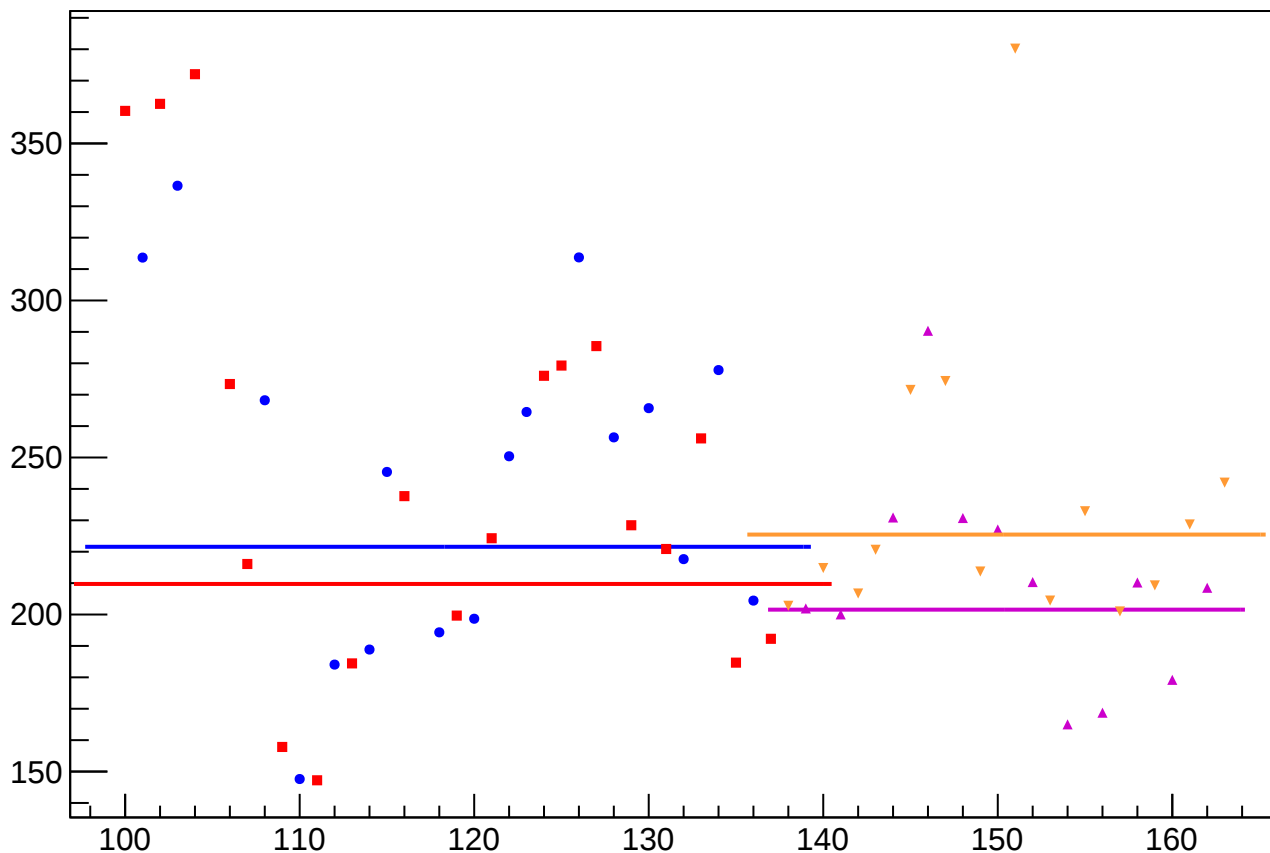
Right: -690.308±/60.489 χ^2/NDF : 729.5/35

In: -638.764±/53.381 χ^2/NDF :1750.0/28

Out: -211.583±/53.678 χ^2/NDF :1325.0/32

All: -426.360±/37.851 χ^2/NDF : 3106.8/61

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.570 $\pm$ 0.063 χ^2 /NDF: 644941.4/16

Left Out: 225.461 $\pm$ 0.050 χ^2 /NDF: 436587.2/13

Right Out: 209.736 $\pm$ 0.058 χ^2 /NDF: 883922.1/18

Left In: 201.554 $\pm$ 0.047 χ^2 /NDF: 392598.4/11

Left: 212.774 $\pm$ 0.034 χ^2 /NDF: 950096.5/25

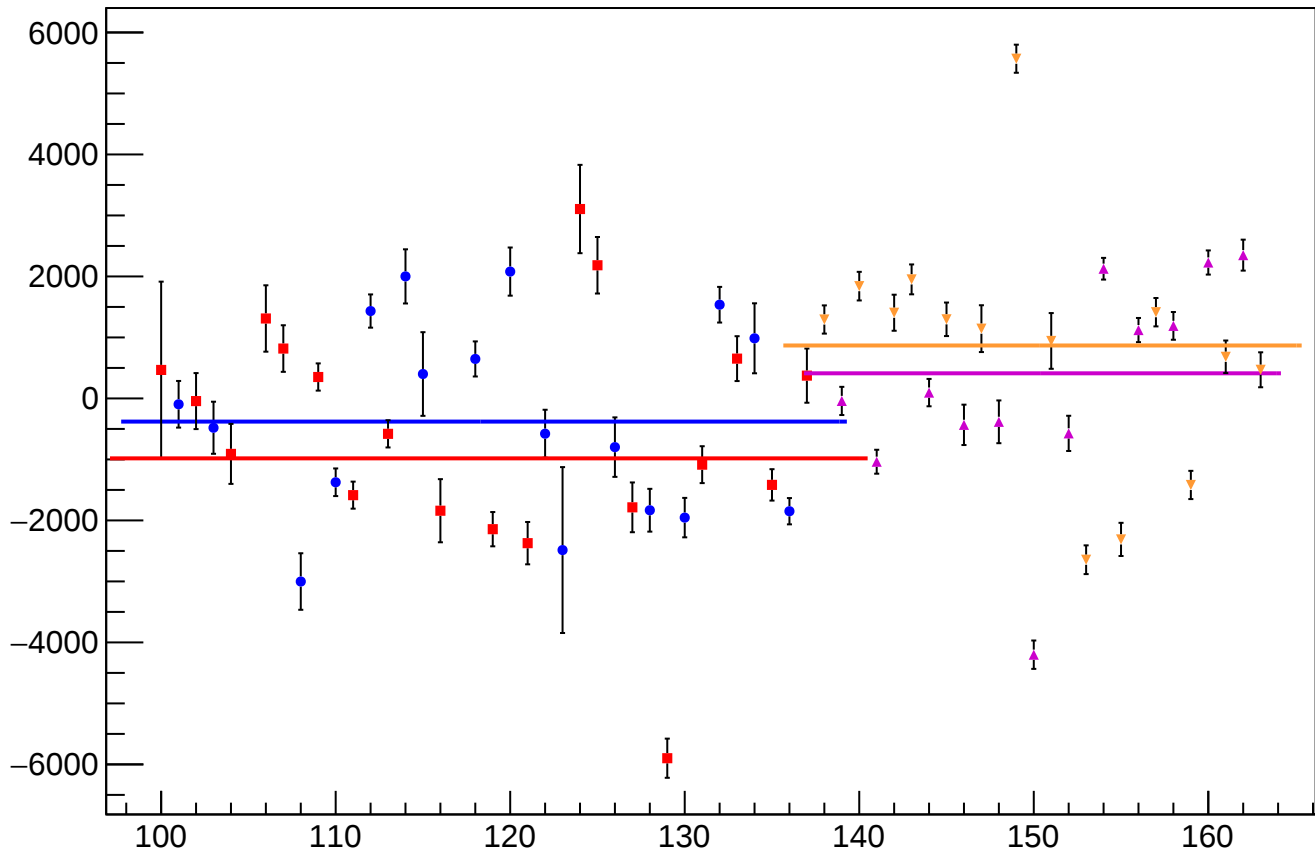
Right: 215.173 $\pm$ 0.043 χ^2 /NDF: 1547873.9/35

In: 208.716 $\pm$ 0.038 χ^2 /NDF: 1102152.5/28

Out: 218.767 $\pm$ 0.038 χ^2 /NDF: 1362471.0/32

All: 213.714 $\pm$ 0.027 χ^2 /NDF: 2499883.7/61

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -379.647+/-84.260 χ^2/NDF : 317.2/16

Left Out: 868.126+/-70.096 χ^2/NDF : 927.7/13

Right Out: -982.539+/-77.724 χ^2/NDF : 476.3/18

Left In: 411.880+/-65.980 χ^2/NDF : 736.8/11

Left: 626.216+/-48.044 χ^2/NDF : 1687.0/25

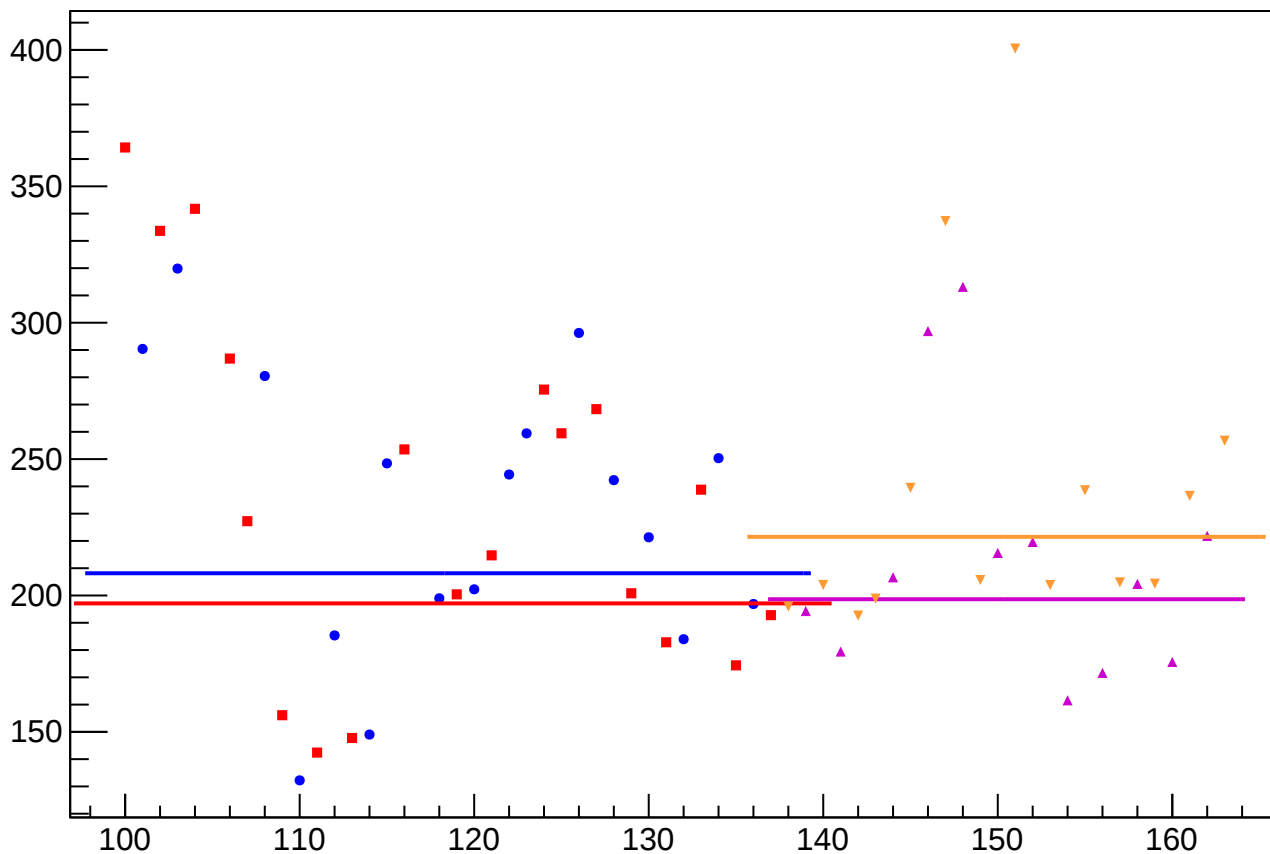
Right: -705.376+/-57.130 χ^2/NDF : 821.1/35

In: 111.016+/-51.948 χ^2/NDF : 1108.7/28

Out: 38.051+/-52.054 χ^2/NDF : 1716.6/32

All: 74.608+/-36.770 χ^2/NDF : 2826.2/61

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.151+/-0.060 χ^2/NDF : 699084.2/16

Left Out: 221.503+/-0.050 χ^2/NDF : 655704.2/13

Right Out: 197.103+/-0.055 χ^2/NDF : 926467.5/18

Left In: 198.633+/-0.047 χ^2/NDF : 602420.2/11

Left: 209.377+/-0.034 χ^2/NDF : 1371006.9/25

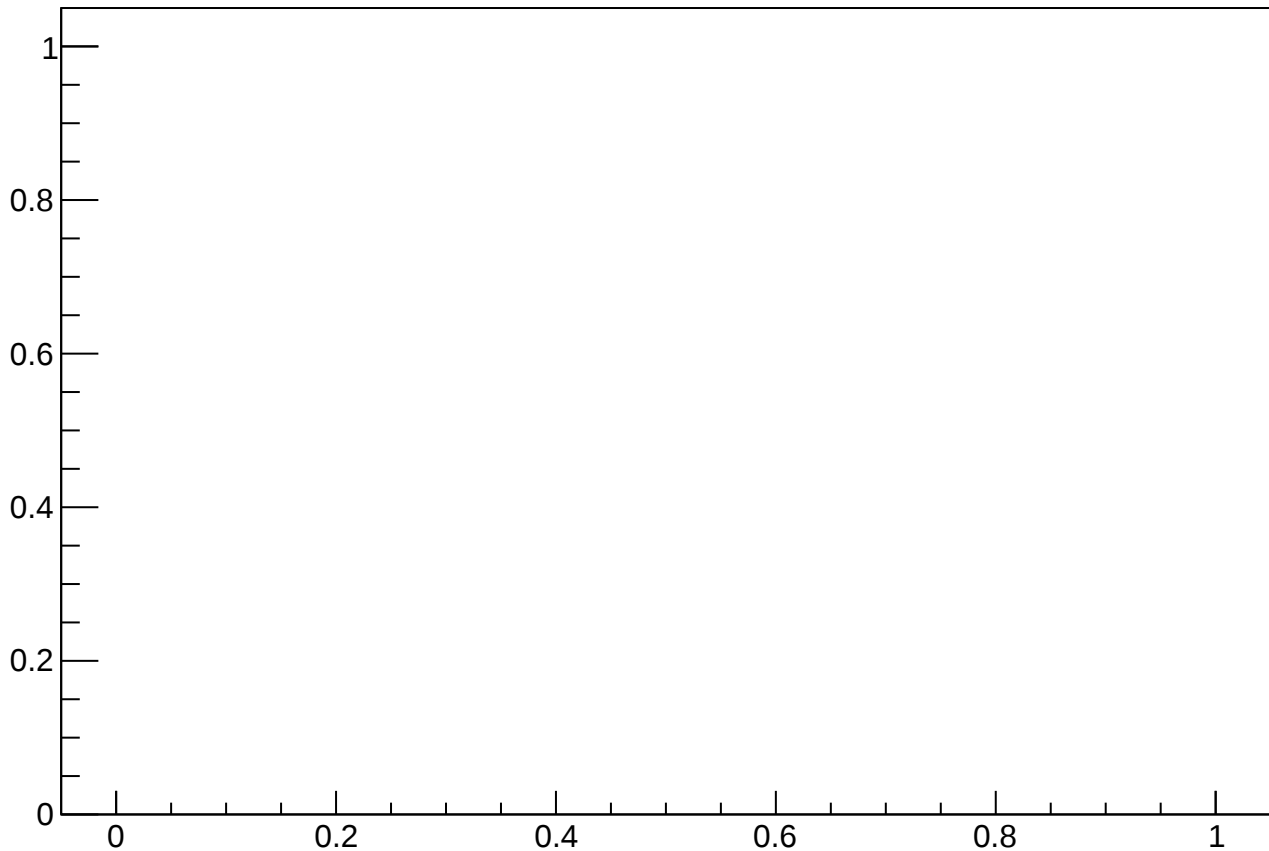
Right: 202.182+/-0.040 χ^2/NDF : 1644129.7/35

In: 202.251+/-0.037 χ^2/NDF : 1317322.4/28

Out: 210.559+/-0.037 χ^2/NDF : 1690874.3/32

All: 206.396+/-0.026 χ^2/NDF : 3033720.5/61

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

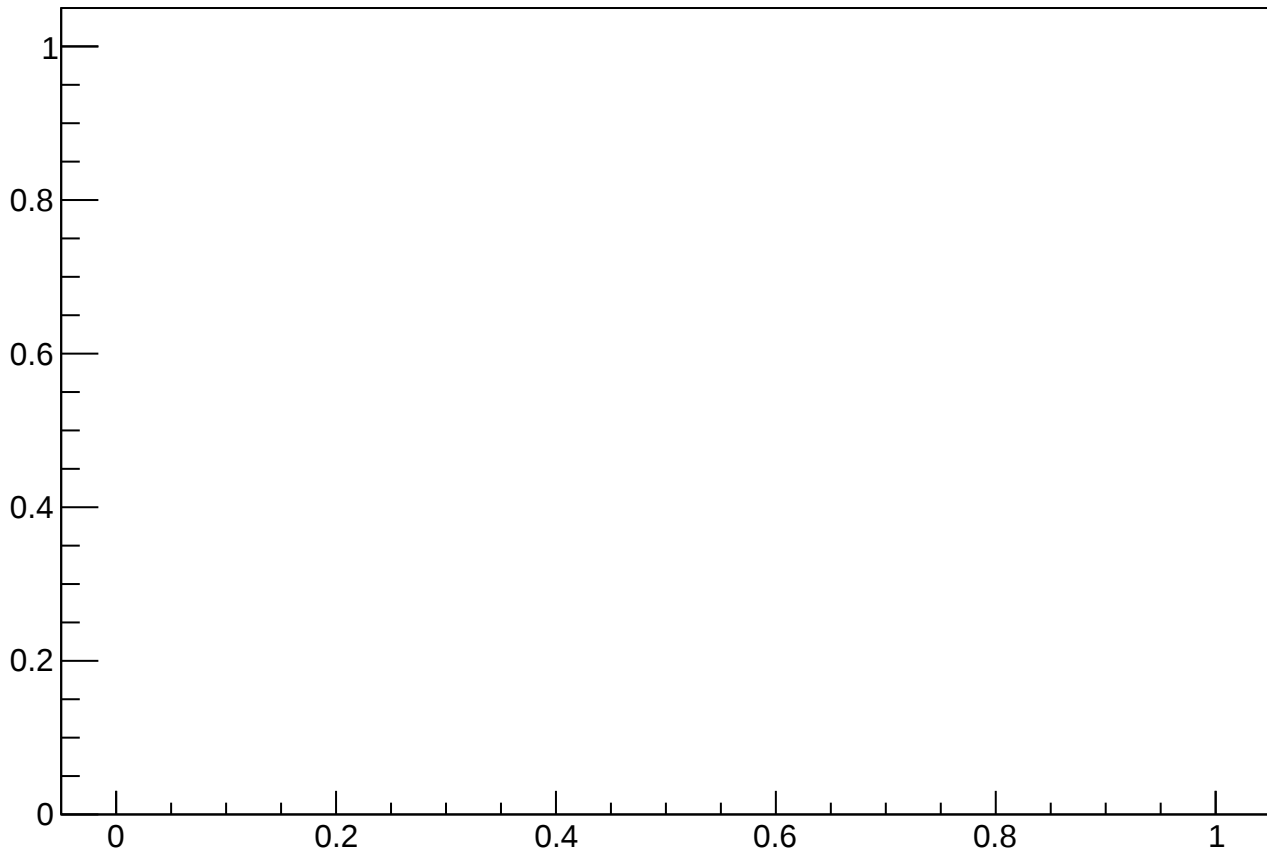
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

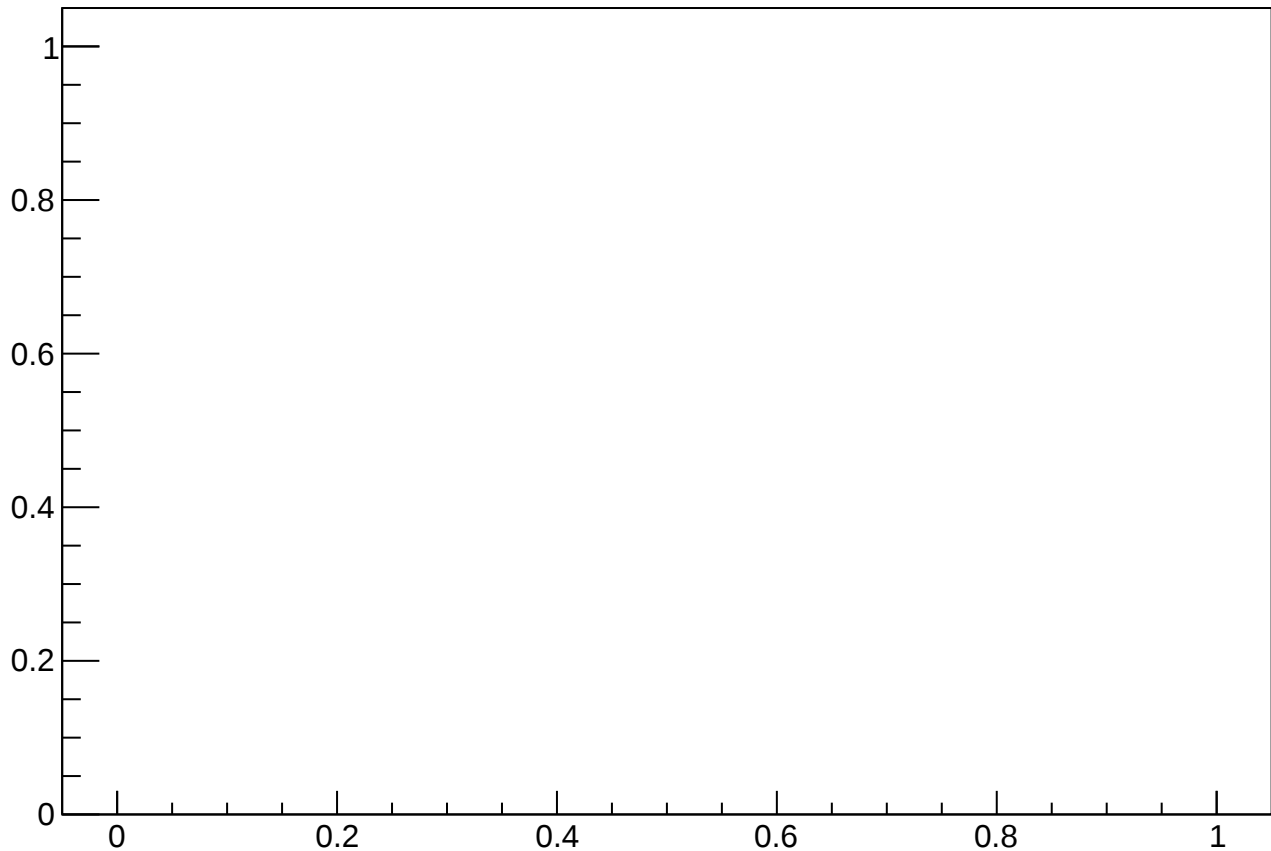
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

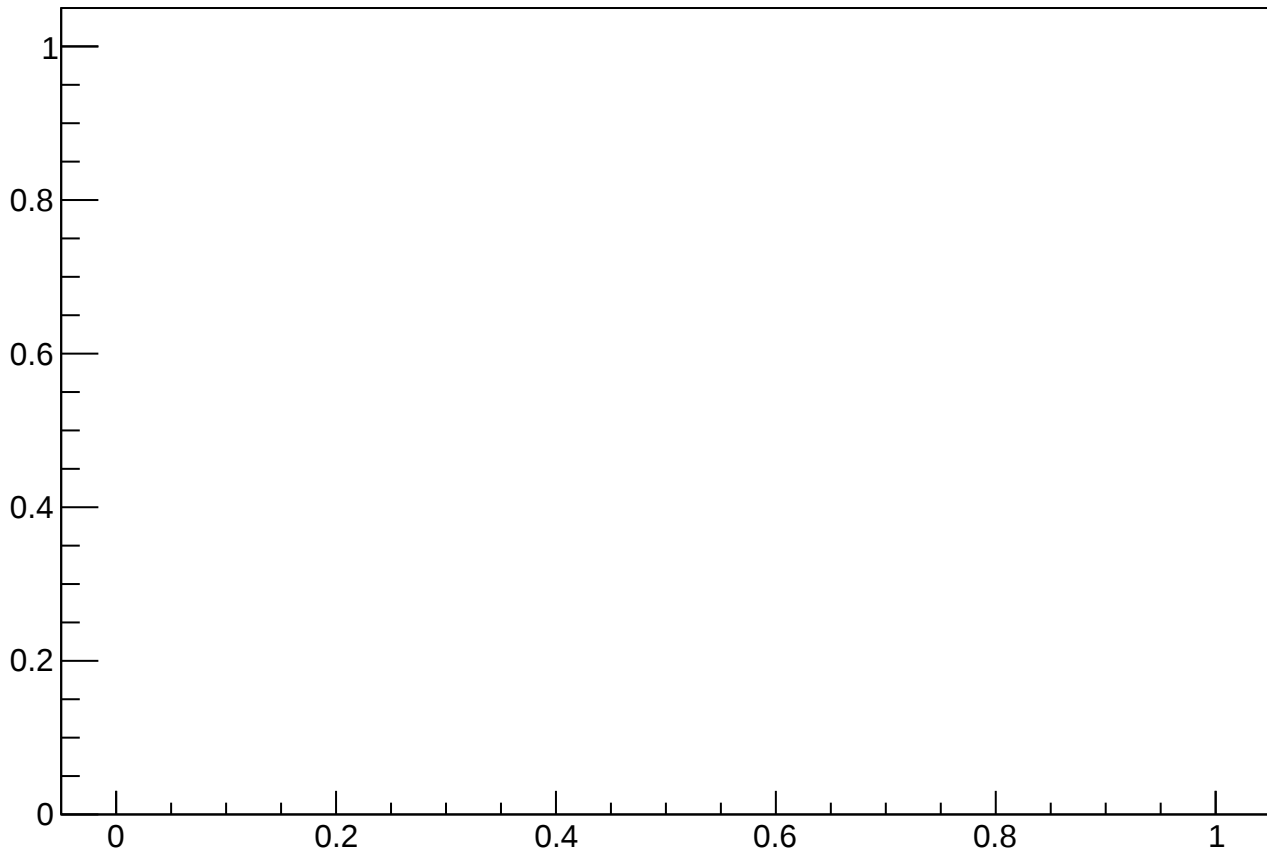
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

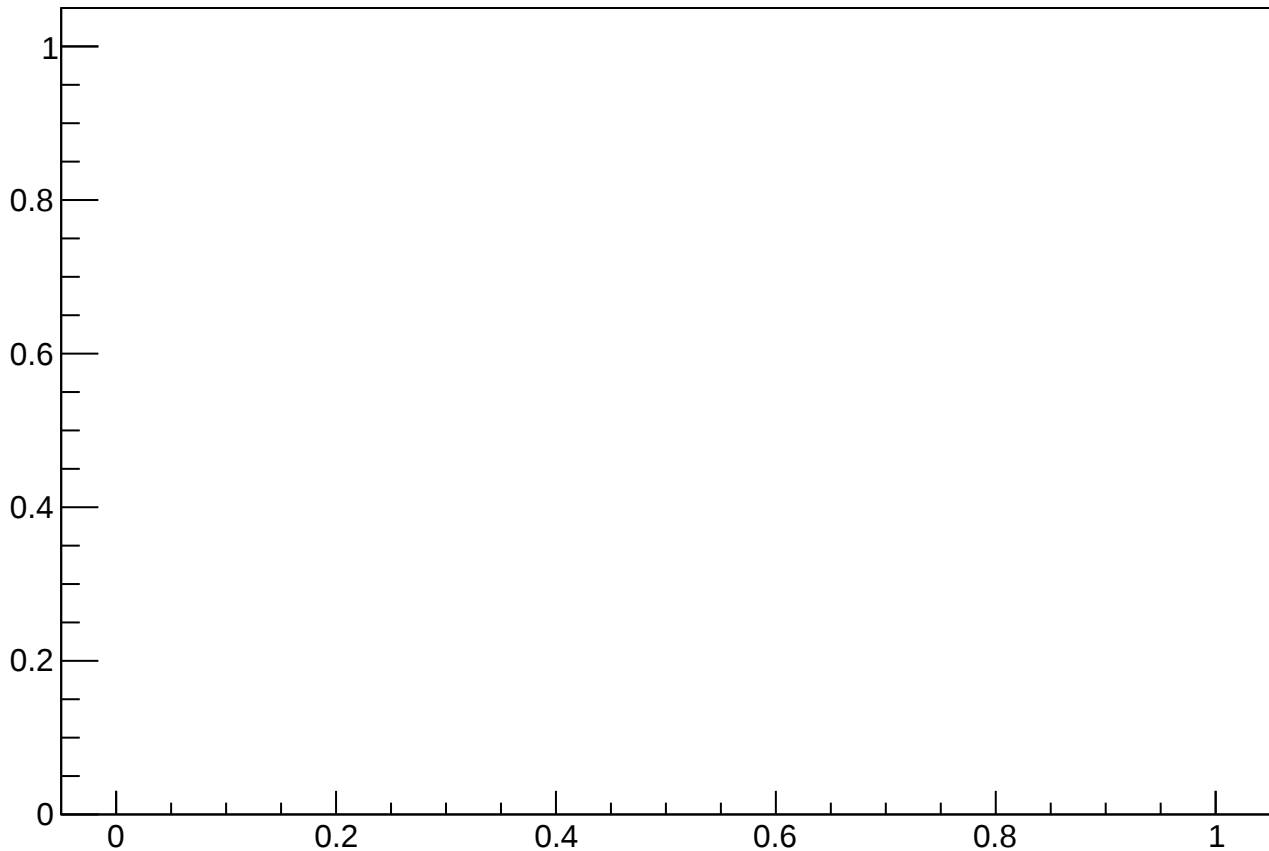
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

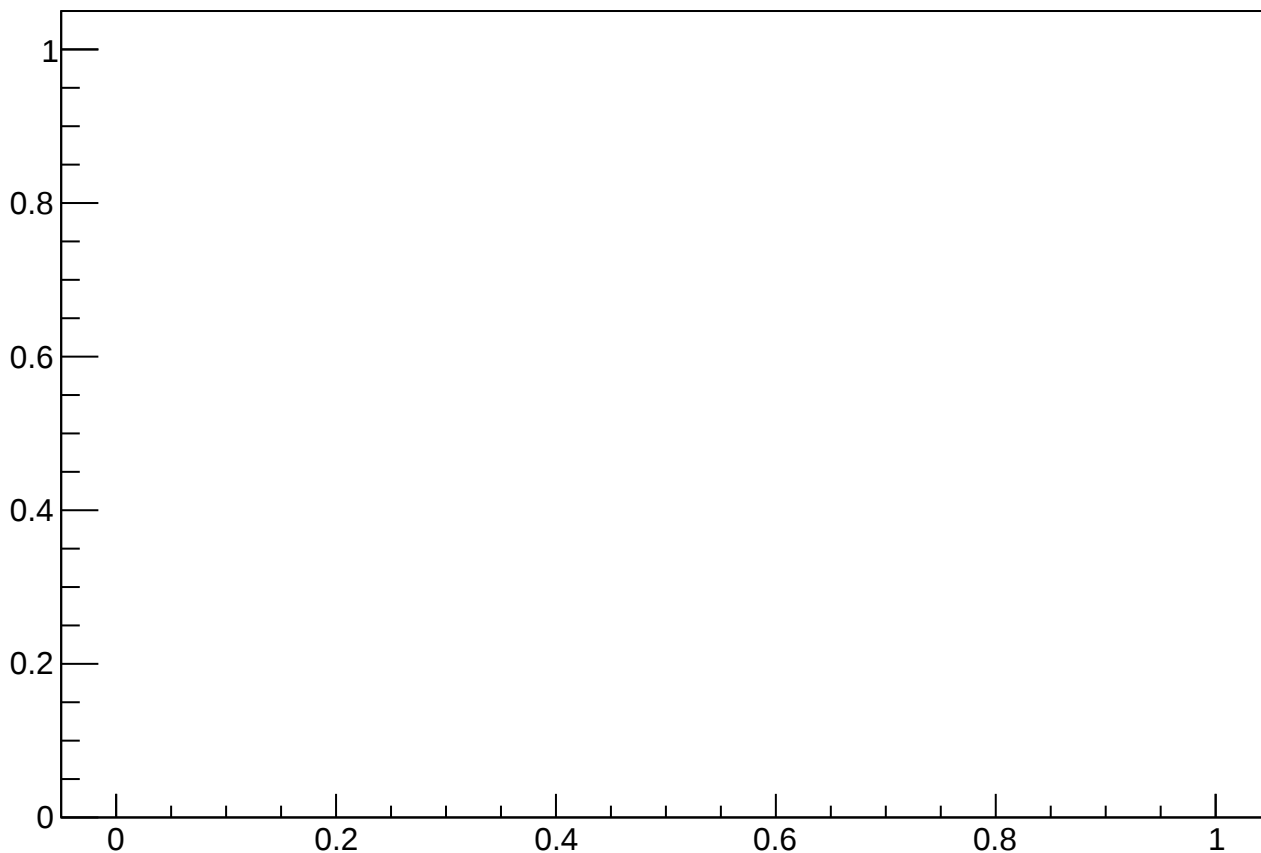
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

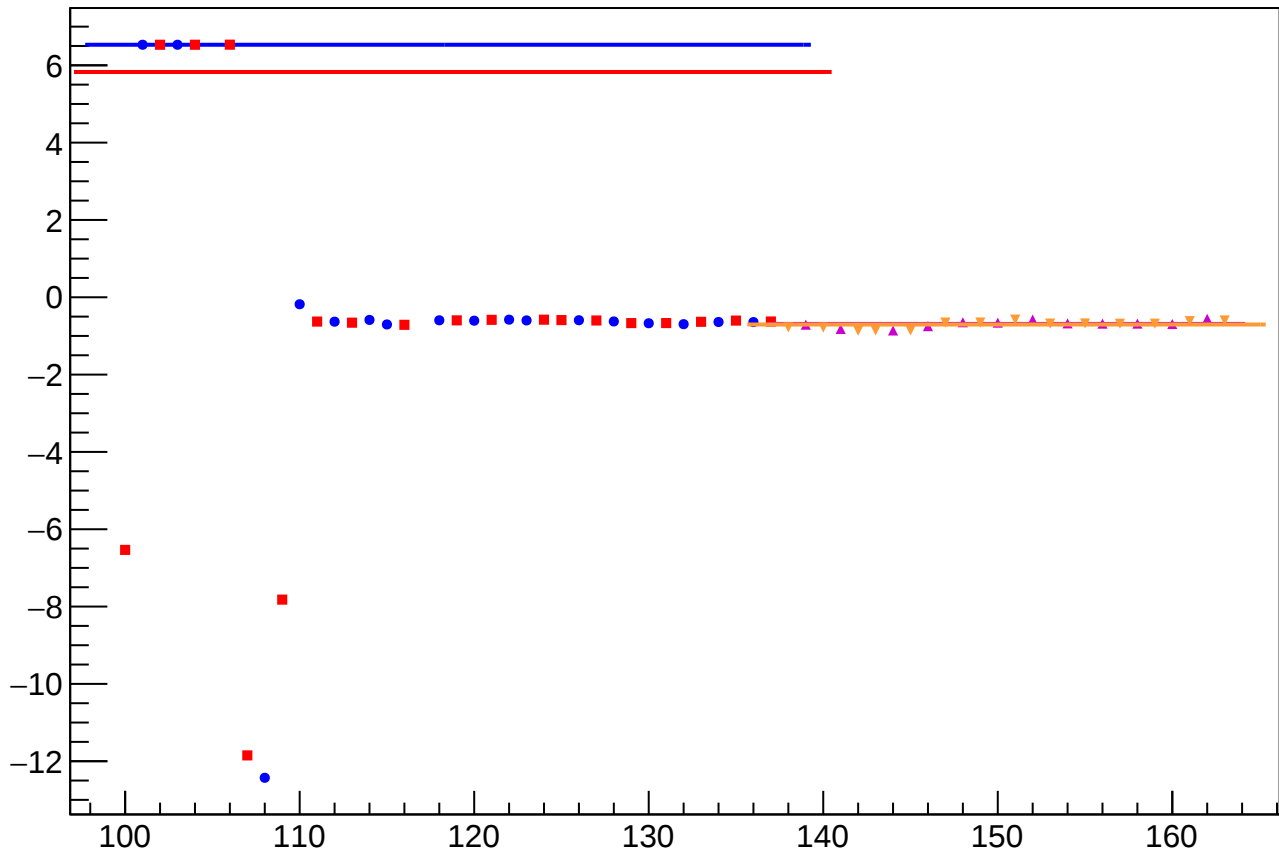
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 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: -0.705+/-0.000 χ^2/NDF : 95059945.4/13

Right Out: 5.827+/-0.000 χ^2/NDF : 755963218053643.4/18

Left In: -0.689+/-0.000 χ^2/NDF : 73320805.8/11

Left: -0.697+/-0.000 χ^2/NDF : 169449681.3/25

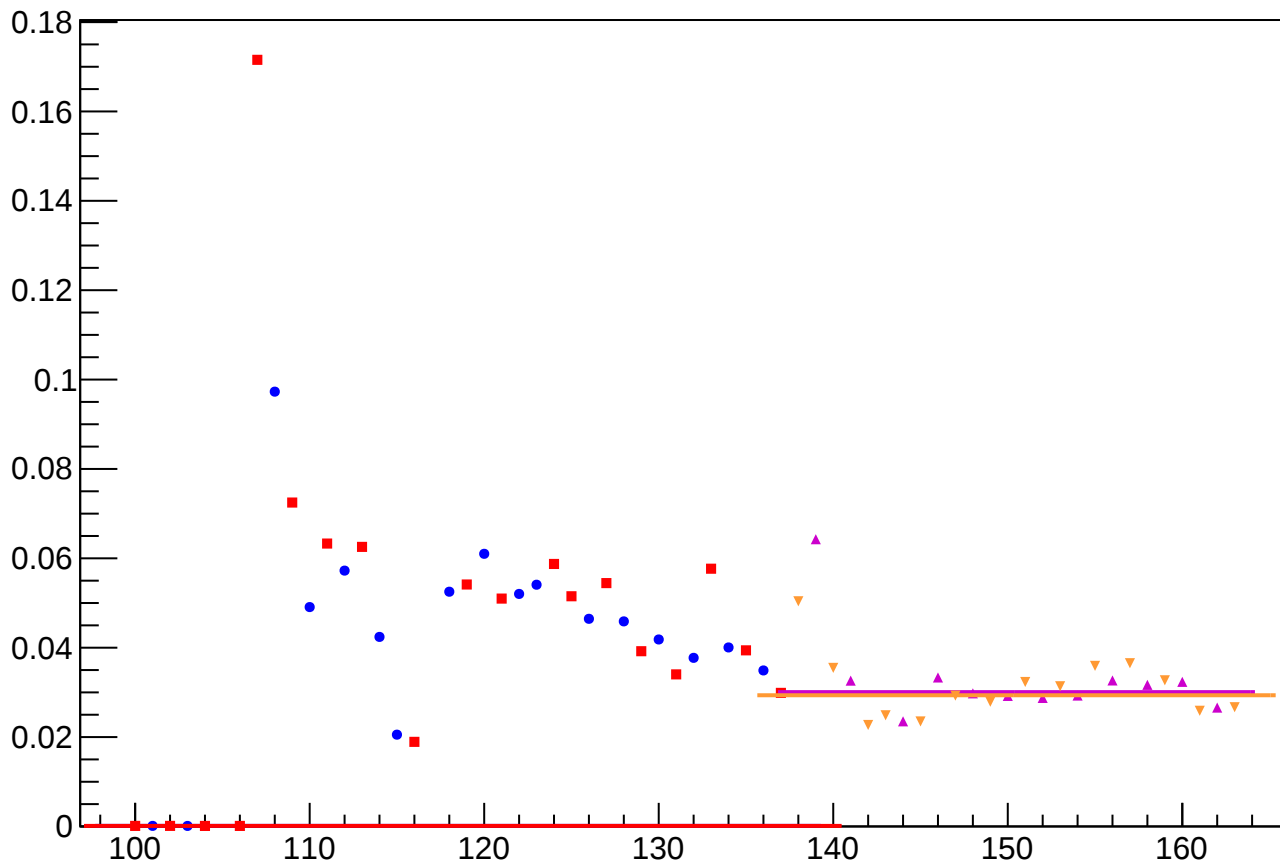
Right: 6.155+/-0.000 χ^2/NDF : 776094576922584.5/25

In: 6.531+/-0.000 χ^2/NDF : 575477044869.4/28

Out: 5.827+/-0.000 χ^2/NDF : 756374851259640.5/32

All: 6.154+/-0.000 χ^2/NDF : 77695118348260.0/50

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 :563909.3/13

Right Out: 0.000+/-0.000 χ^2/NDF : 9349631.9/18

Left In: 0.030+/-0.000 χ^2/NDF :559608.5/11

Left: 0.030+/-0.000 χ^2/NDF : 1127948.4/25

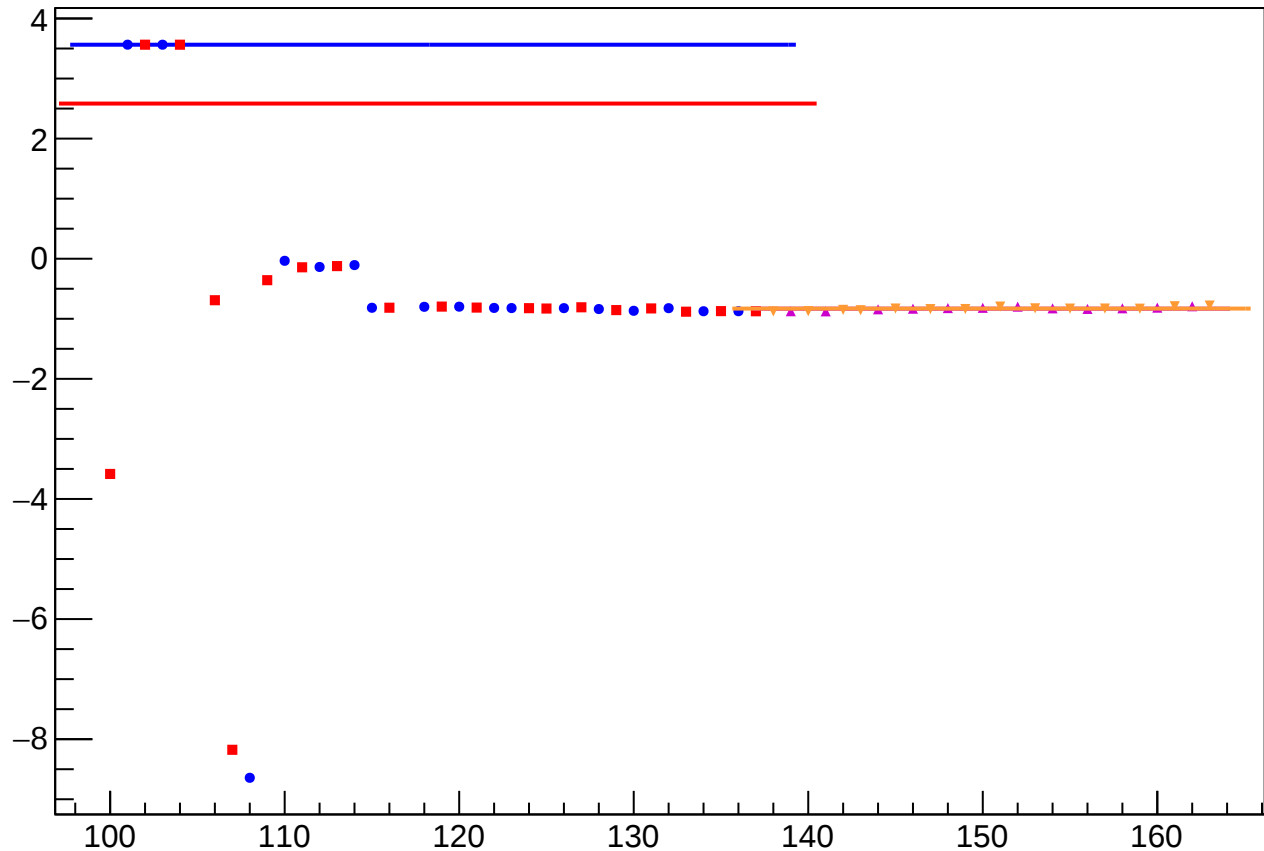
Right: 0.000+/-0.000 χ^2/NDF : 18237948.0/35

In: 0.000+/-0.000 χ^2/NDF :24850013.4/28

Out: 0.000+/-0.000 χ^2/NDF :26401891.4/32

All: 0.000+/-0.000 χ^2/NDF : 51252199.2/61

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.830+/-0.000 χ^2/NDF : 103712253.0/13

Right Out: 2.583+/-0.000 χ^2/NDF : 1253502070019187.0/18

Left In: -0.832+/-0.000 χ^2/NDF : 72568342.4/11

Left: -0.831+/-0.000 χ^2/NDF : 176449786.4/25

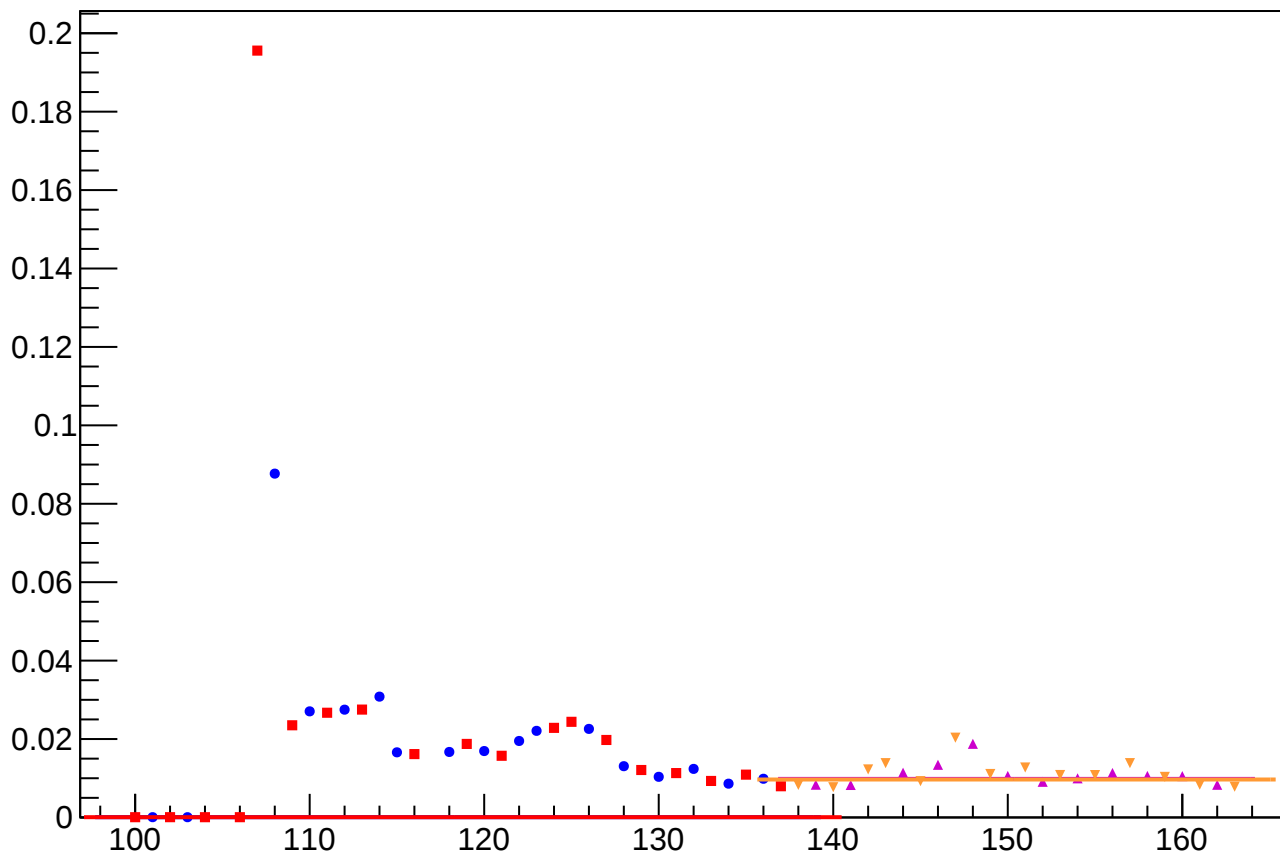
Right: 3.040+/-0.000 χ^2/NDF : 1382254685120485.7

In: 3.562+/-0.000 χ^2/NDF : 1980392090009.0/28

Out: 2.582+/-0.000 χ^2/NDF : 1254505387262875.8

All: 3.039+/-0.000 χ^2/NDF : 13847079104645.7

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9724059.3/16

Left Out: 0.010+/-0.000 χ^2/NDF : 969753.6/13

Right Out: 0.000+/-0.000 χ^2/NDF : 9861757.0/18

Left In: 0.010+/-0.000 χ^2/NDF : 612602.5/11

Left: 0.010+/-0.000 χ^2/NDF : 1584330.9/25

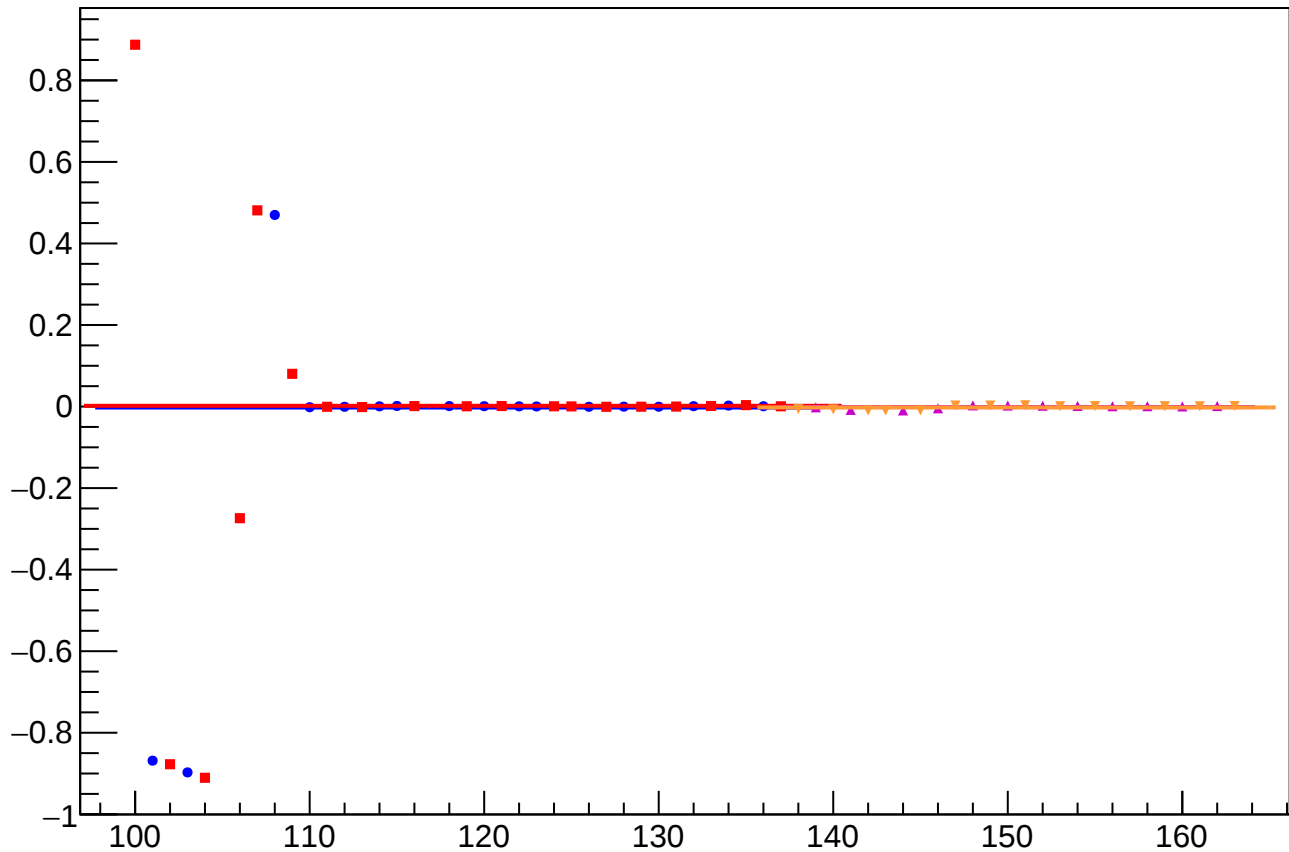
Right: 0.000+/-0.000 χ^2/NDF : 19586090.4/35

In: 0.000+/-0.000 χ^2/NDF : 25128938.0/28

Out: 0.000+/-0.000 χ^2/NDF : 26734128.9/32

All: 0.000+/-0.000 χ^2/NDF : 51863420.8/61

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.000 χ^2/NDF : 9794863405.3/16

Left Out: -0.002+/-0.000 χ^2/NDF : 86033337.1/13

Right Out: 0.002+/-0.000 χ^2/NDF : 3041319824.4/18

Left In: -0.001+/-0.000 χ^2/NDF : 60372335.8/11

Left: -0.002+/-0.000 χ^2/NDF : 147450267.4/25

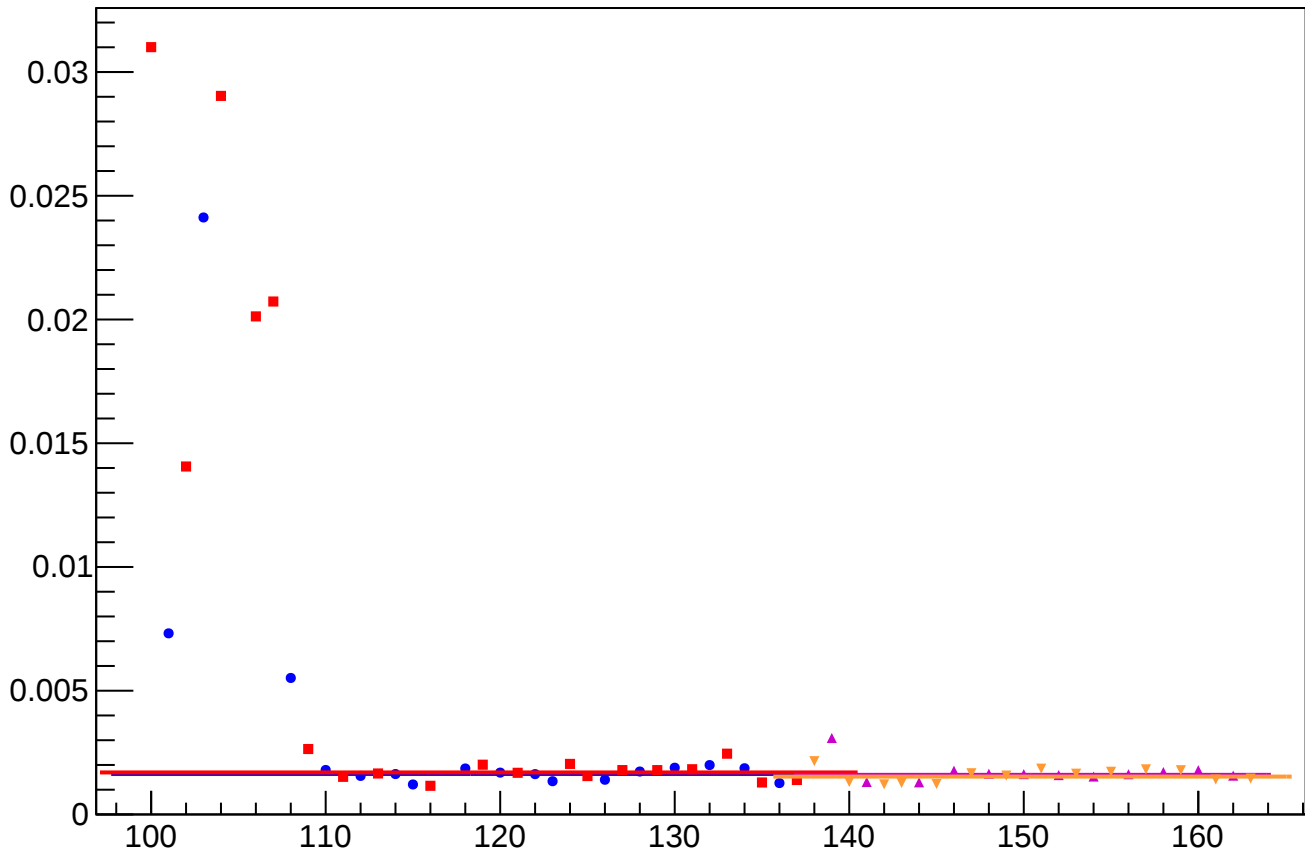
Right: -0.000+/-0.000 χ^2/NDF : 12850350896.6/35

In: -0.002+/-0.000 χ^2/NDF : 9856337052.1/28

Out: -0.001+/-0.000 χ^2/NDF : 3144466957.3/32

All: -0.001+/-0.000 χ^2/NDF : 13002265967.1/66

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: 418913.7/13

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3023899.0/18

Left In: 0.002 $\pm$ 0.000 χ^2 /NDF: 495315.0/11

Left: 0.002 $\pm$ 0.000 χ^2 /NDF: 930316.8/25

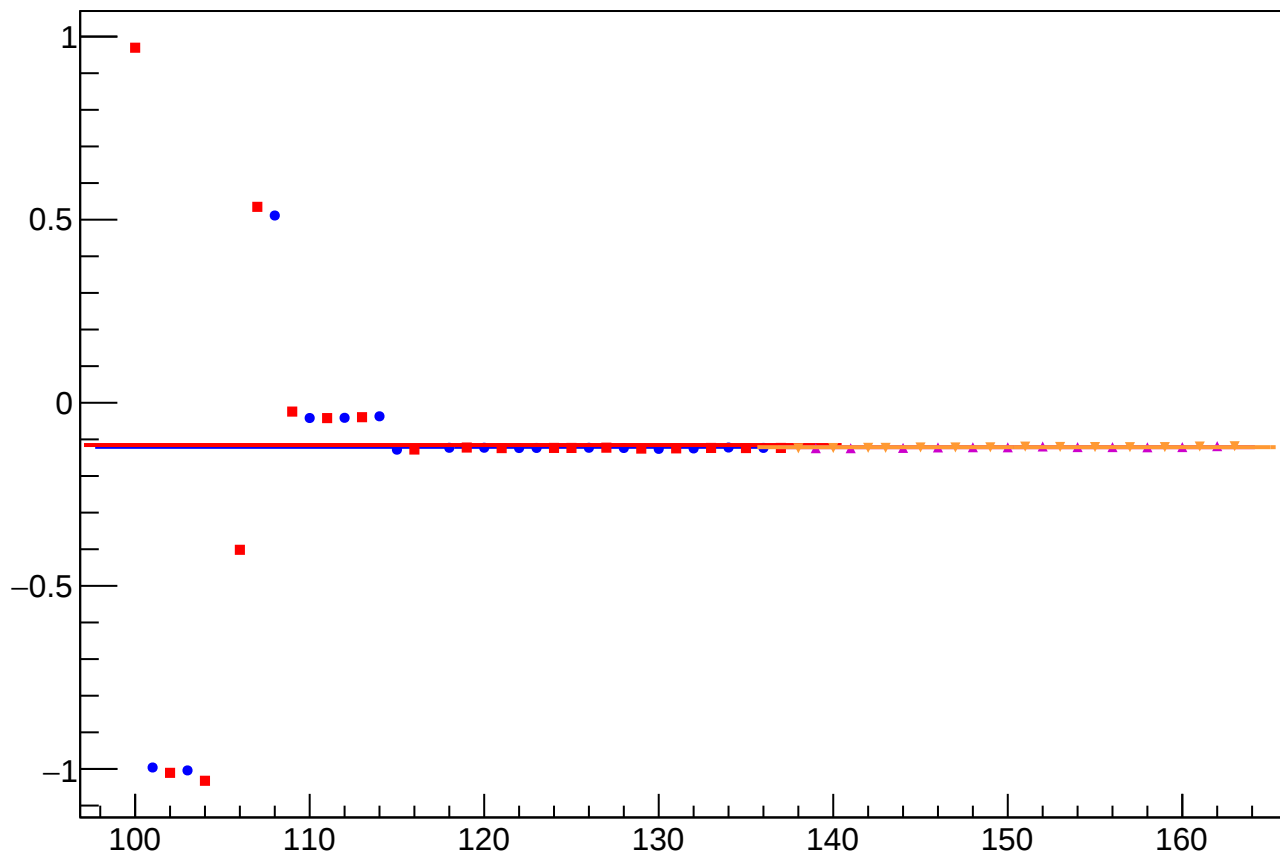
Right: 0.002 $\pm$ 0.000 χ^2 /NDF: 4945998.5/35

In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2414699.7/28

Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3503164.3/32

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 5923015.3/61

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.120+/-0.000 χ^2/NDF : 3932144335.2/16

Left Out: -0.121+/-0.000 χ^2/NDF : 20832786.1/13

Right Out: -0.115+/-0.000 χ^2/NDF : 2456843337.8/18

Left In: -0.121+/-0.000 χ^2/NDF : 20213493.3/11

Left: -0.121+/-0.000 χ^2/NDF : 41046720.5/25

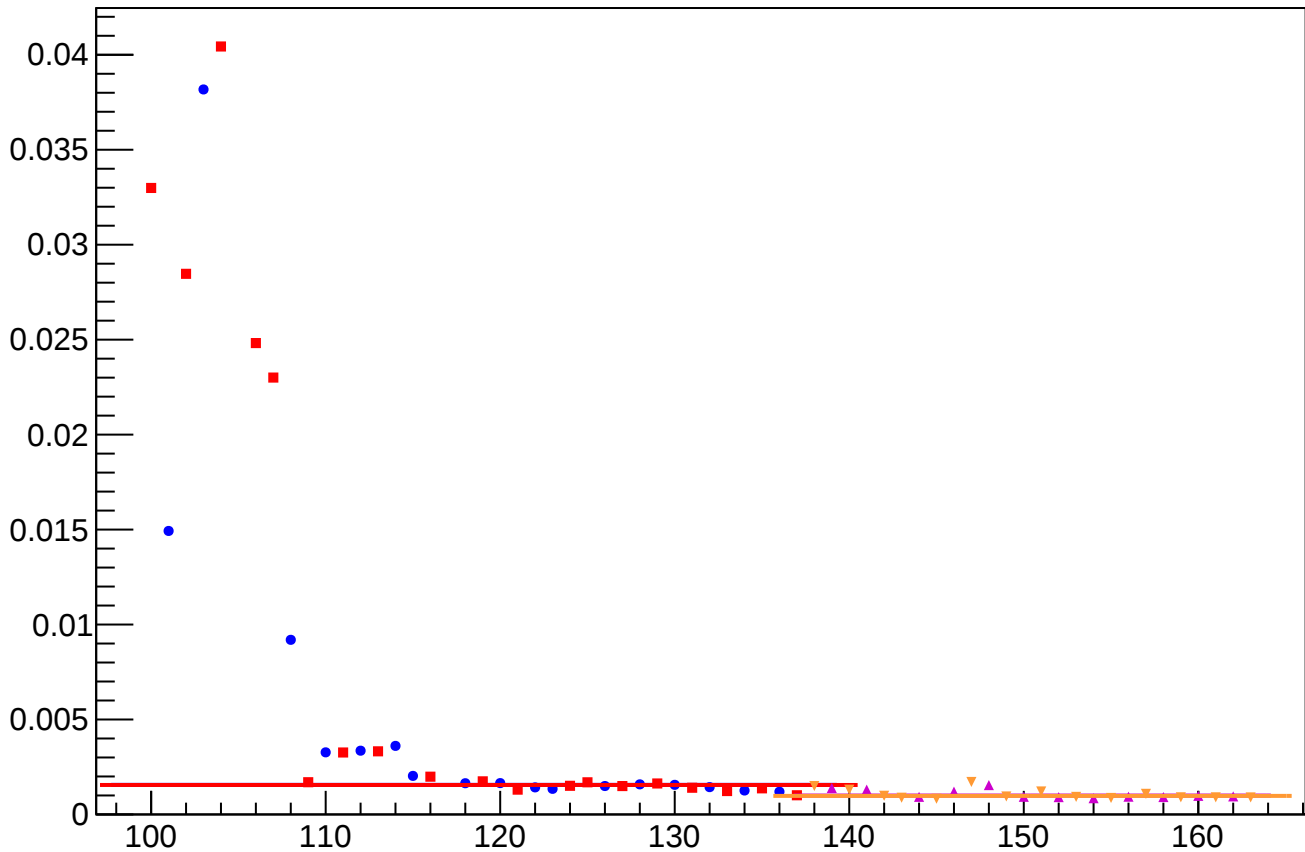
Right: -0.118+/-0.000 χ^2/NDF : 6411653427.4/35

In: -0.121+/-0.000 χ^2/NDF : 3953694711.9/28

Out: -0.120+/-0.000 χ^2/NDF : 2532063764.4/32

All: -0.121+/-0.000 χ^2/NDF : 6488982961.7/6

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 : 711713.4/13

Right Out: 0.002+/-0.000 χ^2/NDF : 3539455.6/18

Left In: 0.001+/-0.000 χ^2/NDF : 518733.2/11

Left: 0.001+/-0.000 χ^2/NDF : 1233565.8/25

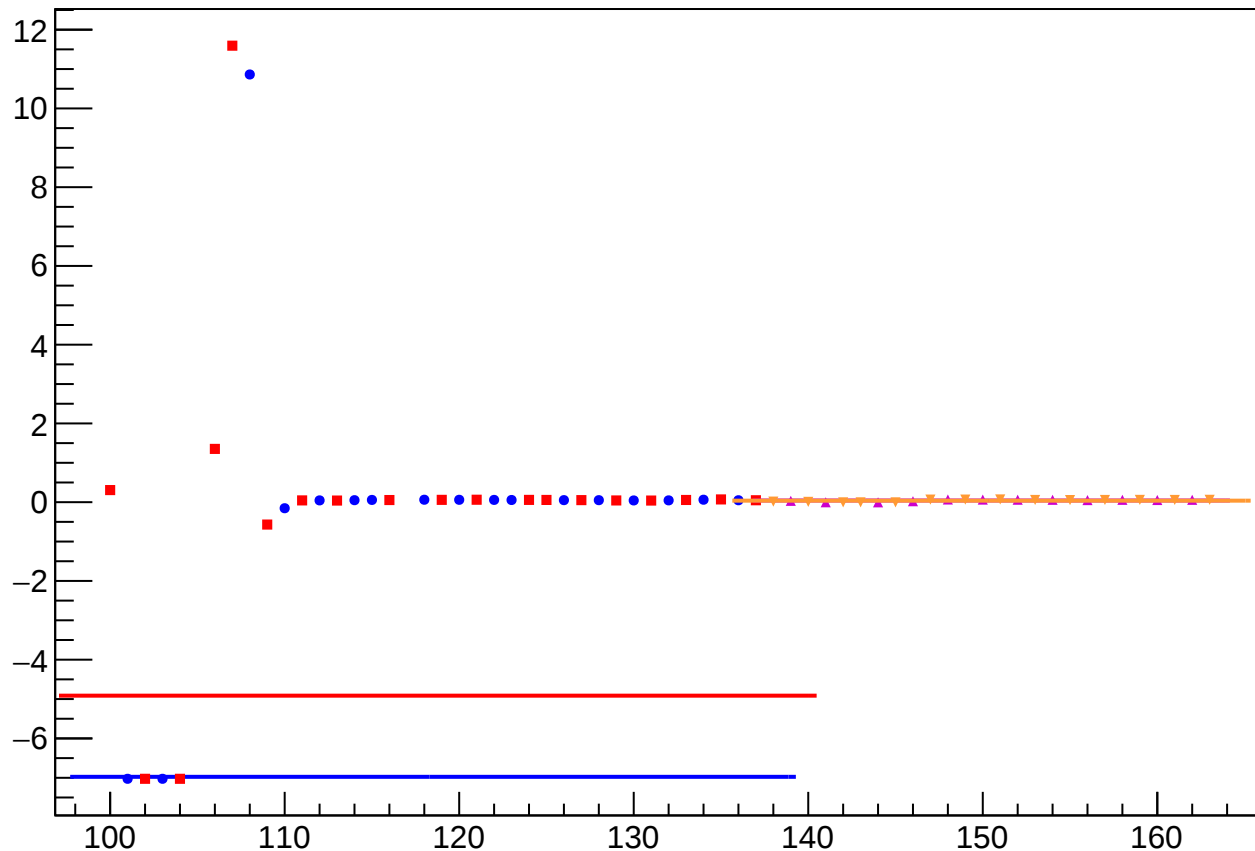
Right: 0.002+/-0.000 χ^2/NDF : 6440590.7/35

In: 0.001+/-0.000 χ^2/NDF : 4400900.8/28

Out: 0.001+/-0.000 χ^2/NDF : 5304254.1/32

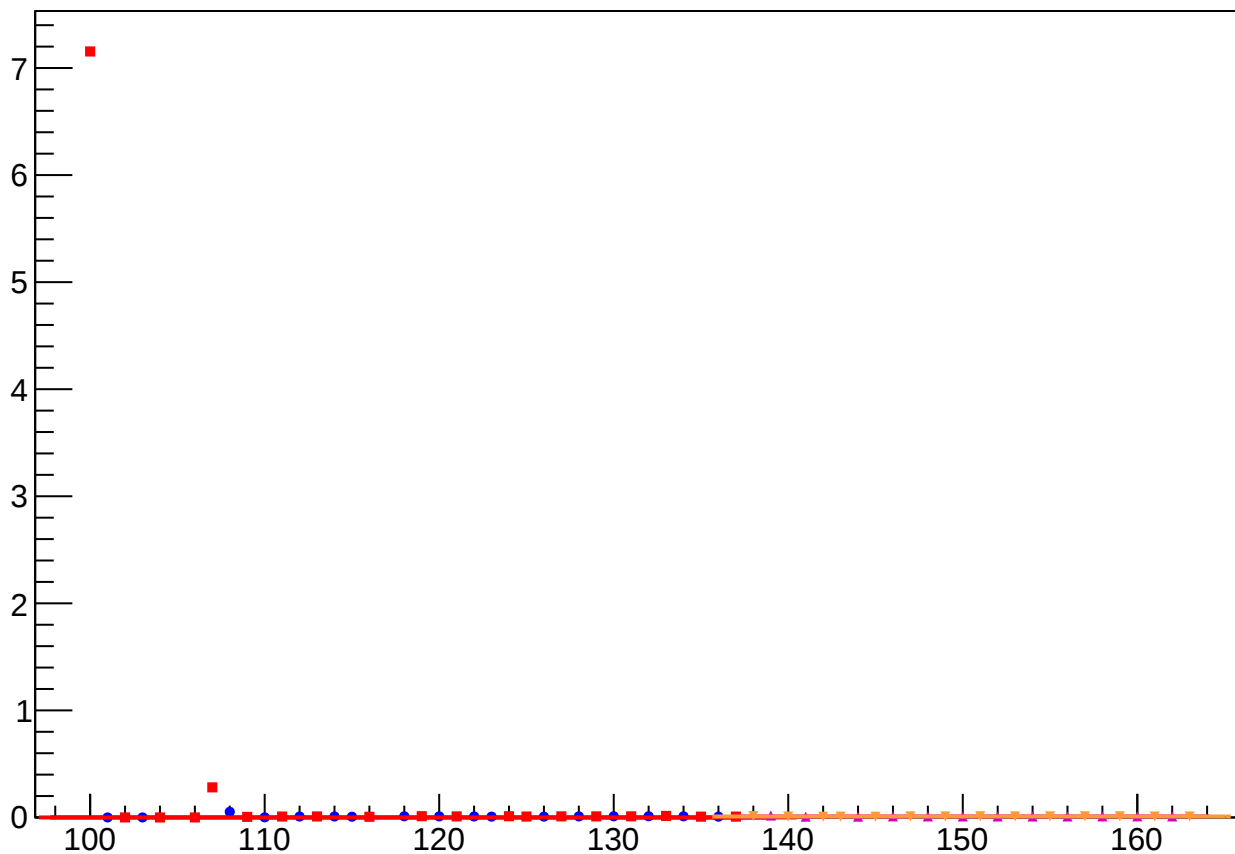
All: 0.001+/-0.000 χ^2/NDF : 9711658.2/61

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975 ± 0.000 $\chi^2/\text{NDF}: 8749579700722.8/16$ Left: 0.040 ± 0.000 $\chi^2/\text{NDF}: 155115072.4/25$
 Left Out: 0.039 ± 0.000 $\chi^2/\text{NDF}: 87752169.4/13$ Right: -5.900 ± 0.000 $\chi^2/\text{NDF}: 430307691650468.6$
 Right Out: -4.914 ± 0.000 $\chi^2/\text{NDF}: 365358092730279.9/18$ In: -6.951 ± 0.000 $\chi^2/\text{NDF}: 13063526914047.4/28$
 Left In: 0.043 ± 0.000 $\chi^2/\text{NDF}: 66620763.5/11$ Out: -4.896 ± 0.000 $\chi^2/\text{NDF}: 367843975217767.5/18$
 All: -5.879 ± 0.000 $\chi^2/\text{NDF}: 4369751926498.0$

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 : 412753.8/13

Right Out: 0.000+/-0.000 χ^2/NDF : 8775982.6/18

Left In: 0.009+/-0.000 χ^2/NDF : 498023.9/11

Left: 0.009+/-0.000 χ^2/NDF : 924551.4/25

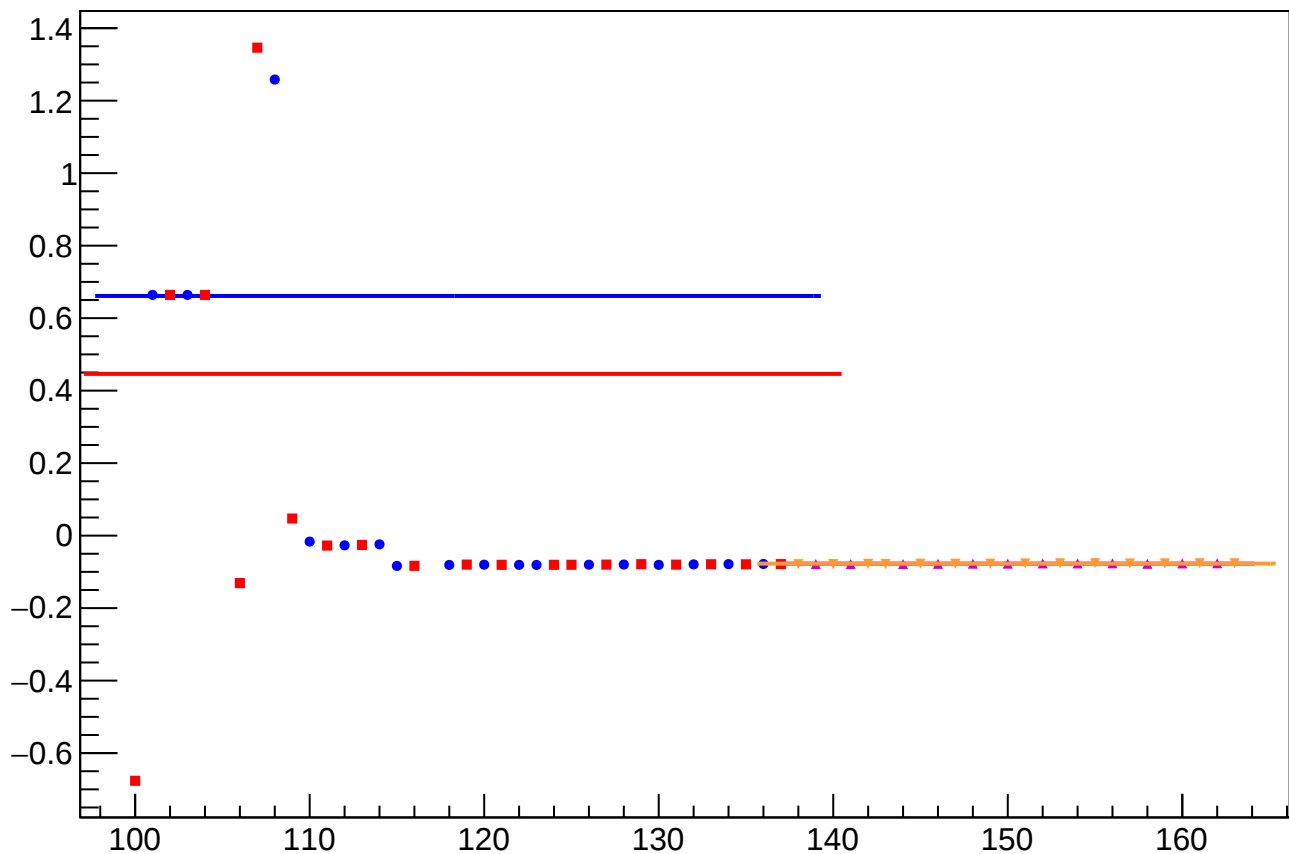
Right: 0.000+/-0.000 χ^2/NDF : 17018999.2/35

In: 0.000+/-0.000 χ^2/NDF : 23655170.0/28

Out: 0.000+/-0.000 χ^2/NDF : 25057115.4/32

All: 0.000+/-0.000 χ^2/NDF : 48712485.3/61

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.661+/-0.000

χ^2/NDF : 5607525081216.0/16

Left: -0.077+/-0.000

χ^2/NDF : 45056370.8/25

Left Out: -0.077+/-0.000

χ^2/NDF : 26168436.6/13

Right: 0.549+/-0.000

χ^2/NDF : 473947475230218.3

Right Out: 0.446+/-0.000

χ^2/NDF : 405416924315199.0/18

In: 0.653+/-0.000

χ^2/NDF : 20807120659368.5/28

Out: 0.441+/-0.000

χ^2/NDF : 413680849212749.3/3

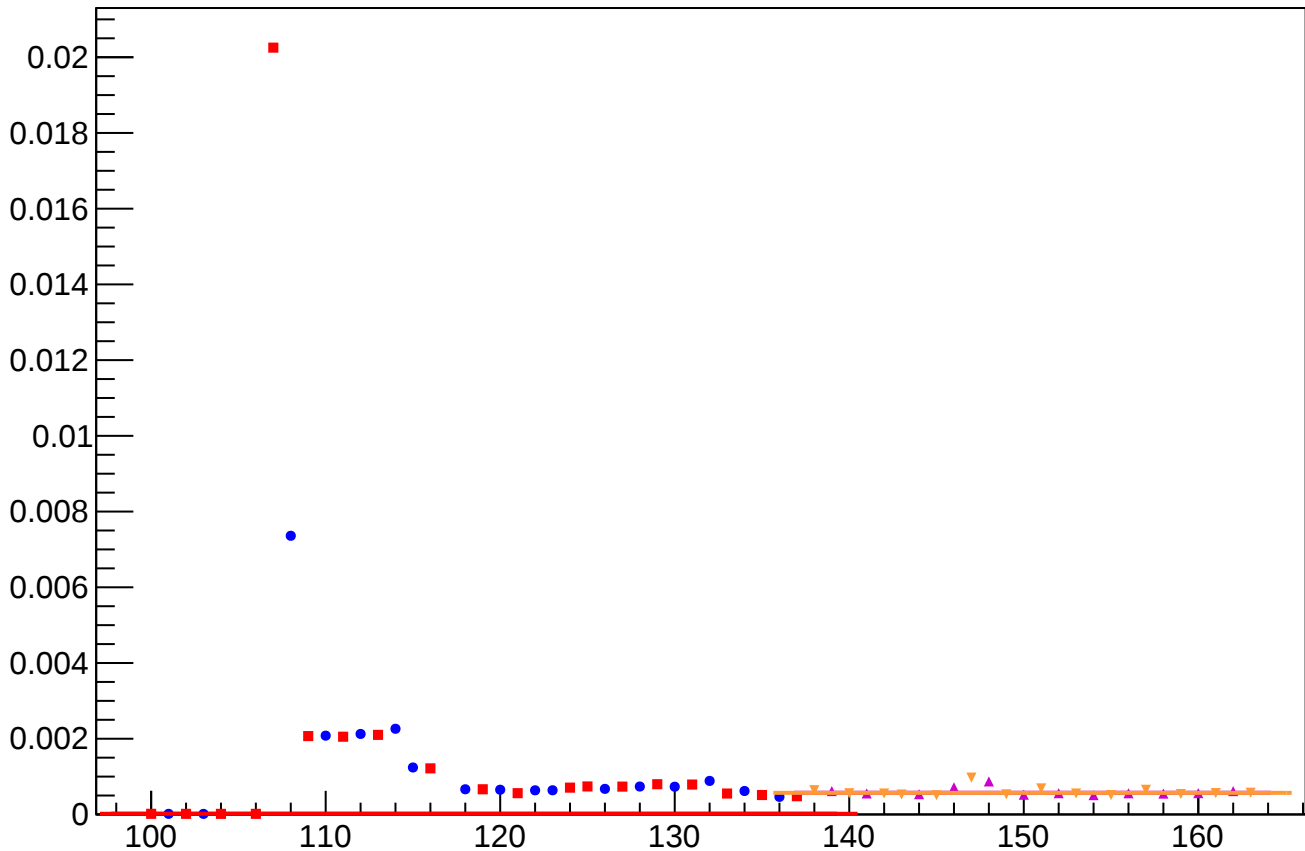
Left In: -0.077+/-0.000

χ^2/NDF : 18884728.5/11

All: 0.542+/-0.000

χ^2/NDF : 49669579421812

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 : 407051.0/13

Right Out: 0.000+/-0.000 χ^2/NDF : 9480848.1/18

Left In: 0.001+/-0.000 χ^2/NDF : 311556.4/11

Left: 0.001+/-0.000 χ^2/NDF : 718786.3/25

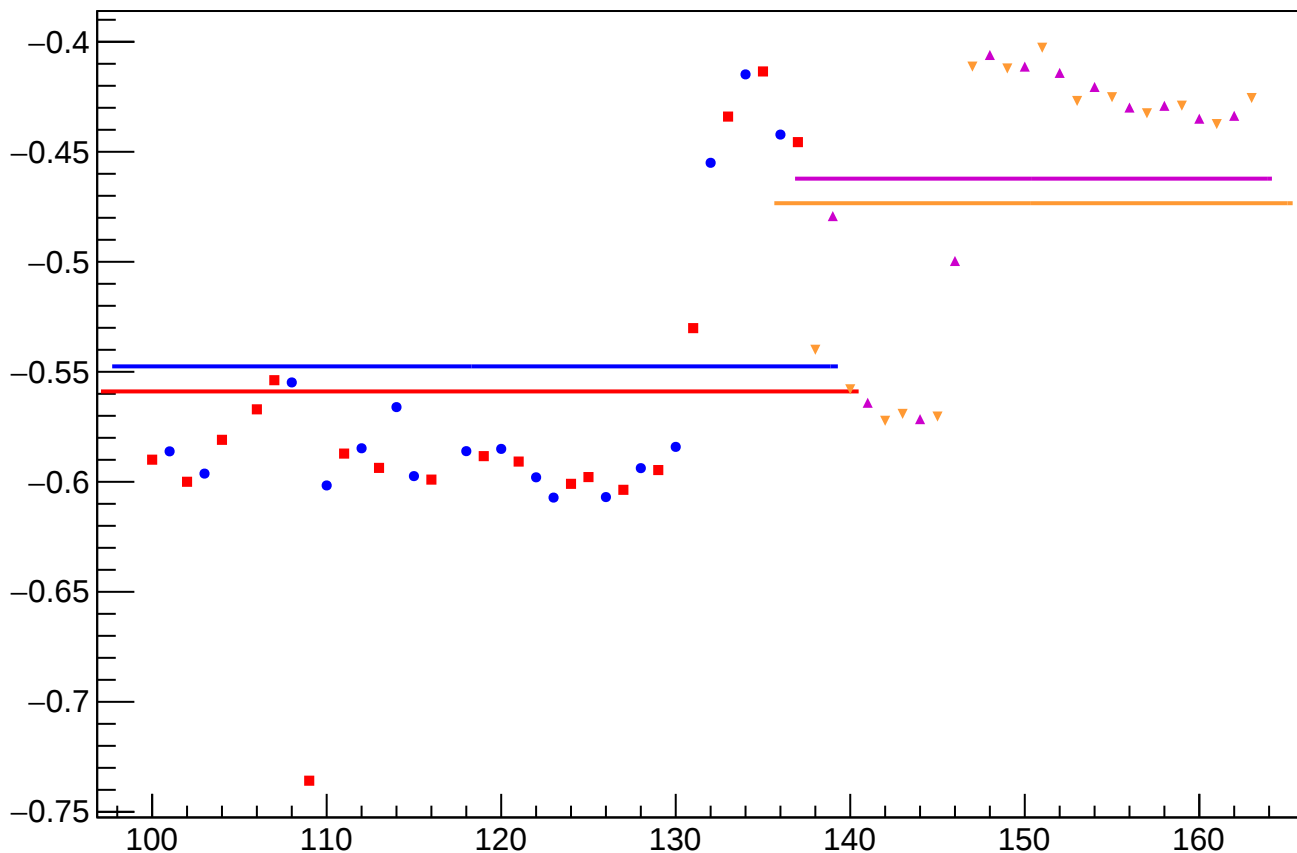
Right: 0.000+/-0.000 χ^2/NDF : 19354868.6/35

In: 0.000+/-0.000 χ^2/NDF : 27356345.6/28

Out: 0.000+/-0.000 χ^2/NDF : 28301721.4/32

All: 0.000+/-0.000 χ^2/NDF : 55658127.9/61

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.548+/-0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.473+/-0.000 χ^2/NDF : 96614769.0/13

Right Out: -0.559+/-0.000 χ^2/NDF : 65330923.3/18

Left In: -0.462+/-0.000 χ^2/NDF : 68848368.4/11

Left: -0.468+/-0.000 χ^2/NDF : 166664021.9/25

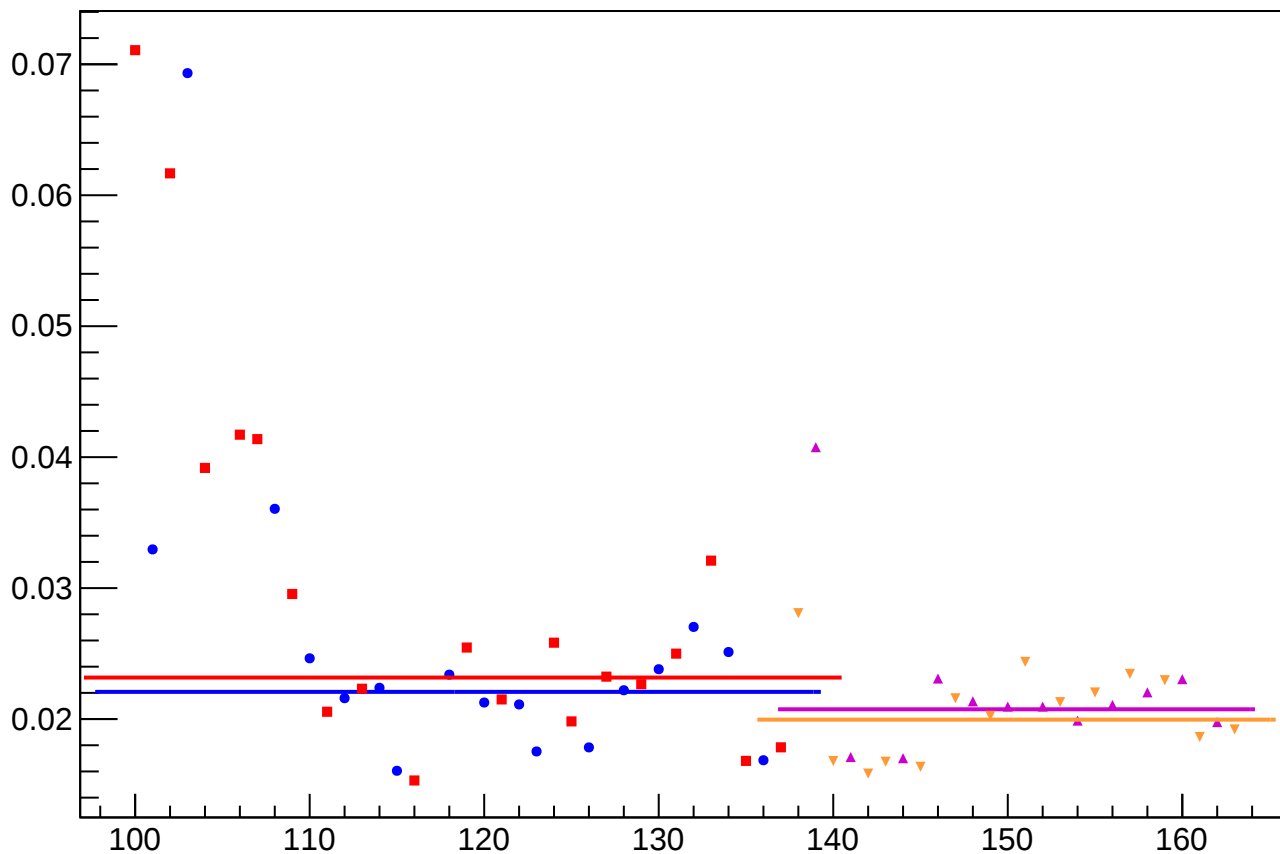
Right: -0.553+/-0.000 χ^2/NDF : 114532950.1/35

In: -0.493+/-0.000 χ^2/NDF : 165249107.4/28

Out: -0.501+/-0.000 χ^2/NDF : 211019227.6/32

All: -0.497+/-0.000 χ^2/NDF : 377143072.5/61

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:392335.6/13

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1156758.3/18

Left In: 0.021 $\pm$ 0.000 χ^2 /NDF:499631.1/11

Left: 0.020 $\pm$ 0.000 χ^2 /NDF: 904016.7/25

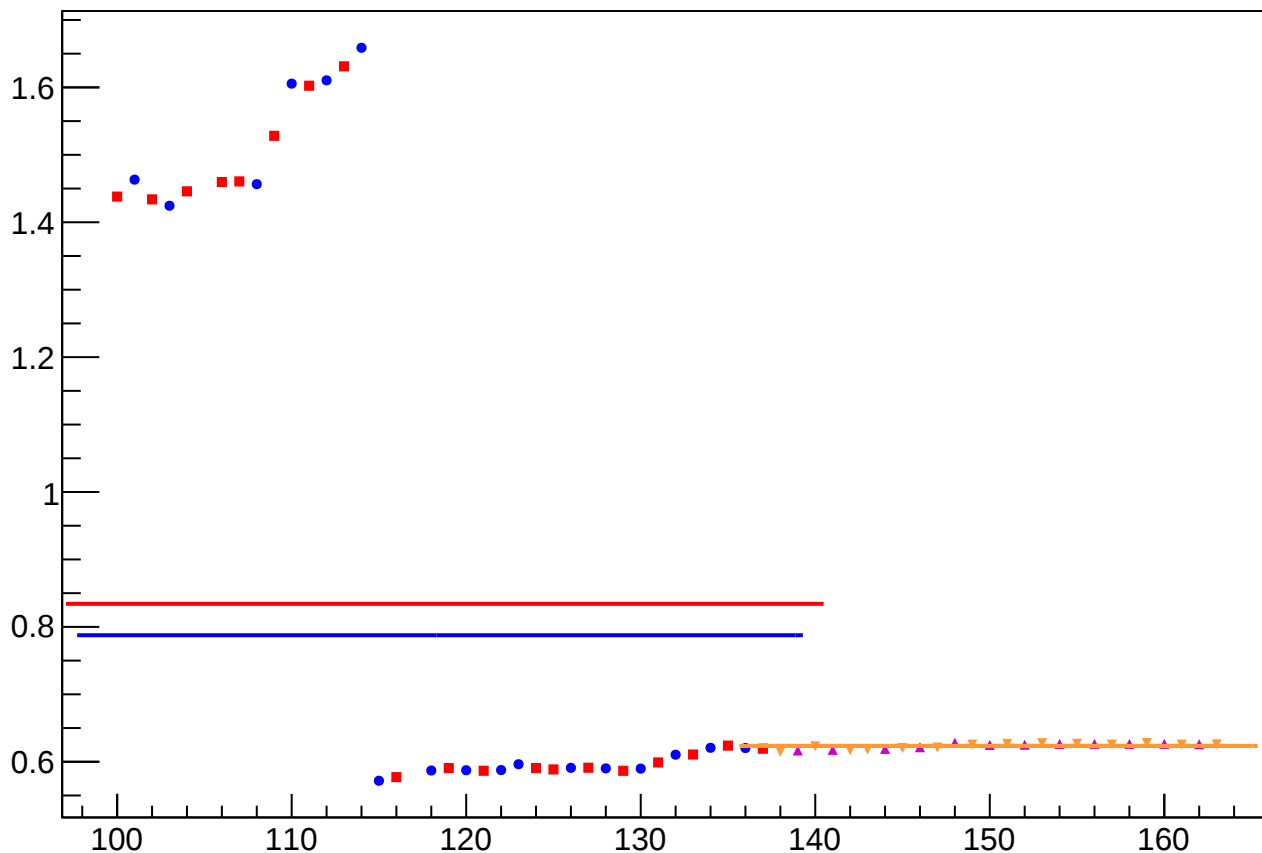
Right: 0.023 $\pm$ 0.000 χ^2 /NDF: 2123609.7/35

In: 0.021 $\pm$ 0.000 χ^2 /NDF:1477702.3/28

Out: 0.021 $\pm$ 0.000 χ^2 /NDF:1687588.1/32

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 3166939.4/61

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.788 $\pm$ 0.000 χ^2/NDF : 3581400502.4/16

Left Out: 0.623 $\pm$ 0.000 χ^2/NDF : 1015567.1/13

Right Out: 0.834 $\pm$ 0.000 χ^2/NDF : 4152115639.4/18

Left In: 0.624 $\pm$ 0.000 χ^2/NDF : 858948.7/11

Left: 0.623 $\pm$ 0.000 χ^2/NDF : 1874840.0/25

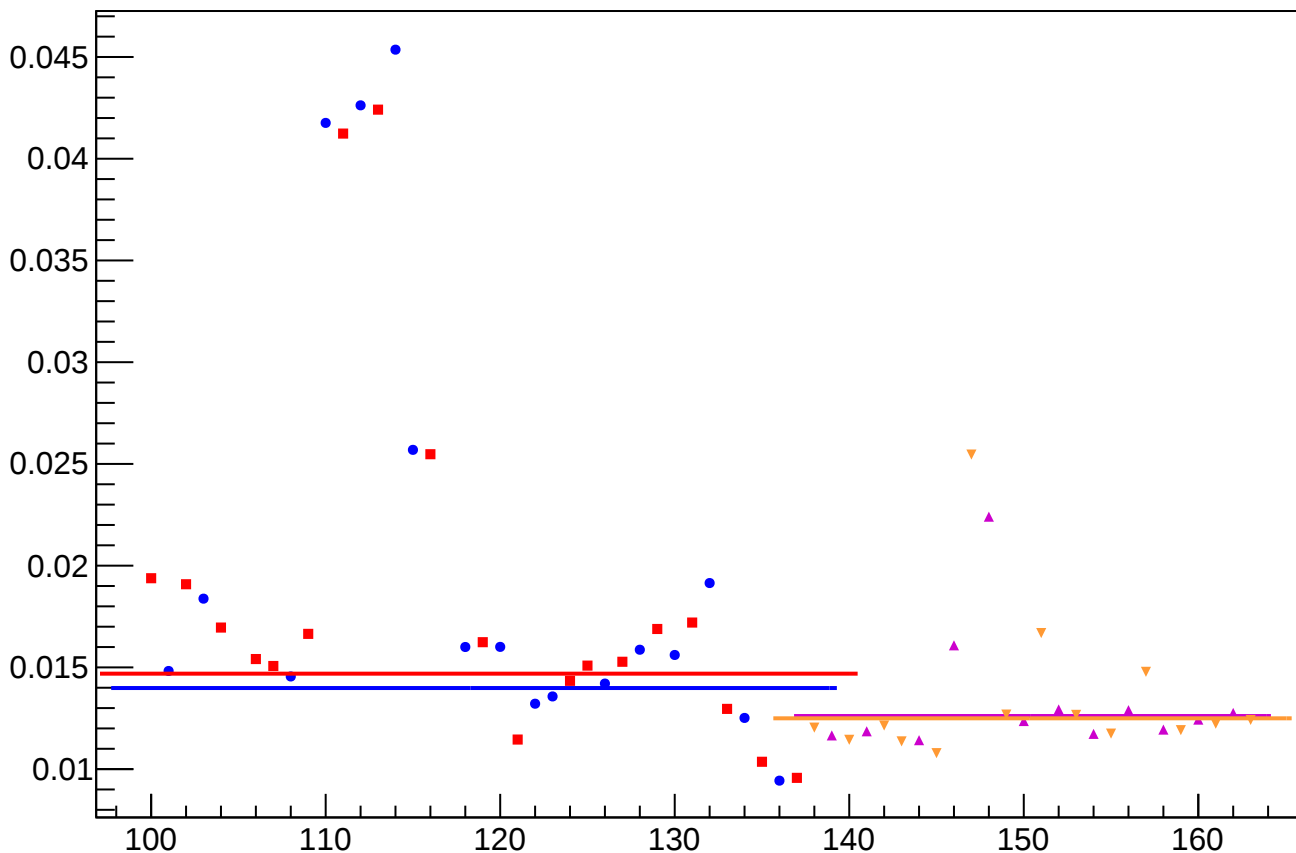
Right: 0.811 $\pm$ 0.000 χ^2/NDF : 7764167044.9/35

In: 0.678 $\pm$ 0.000 χ^2/NDF : 4100790417.3/28

Out: 0.688 $\pm$ 0.000 χ^2/NDF : 5012982395.7/32

All: 0.683 $\pm$ 0.000 χ^2/NDF : 9118197756.4/63

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1398505.7/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:588380.3/13

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1258511.3/18

Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:409651.7/11

Left: 0.013 $\pm$ 0.000 χ^2 /NDF: 998813.0/25

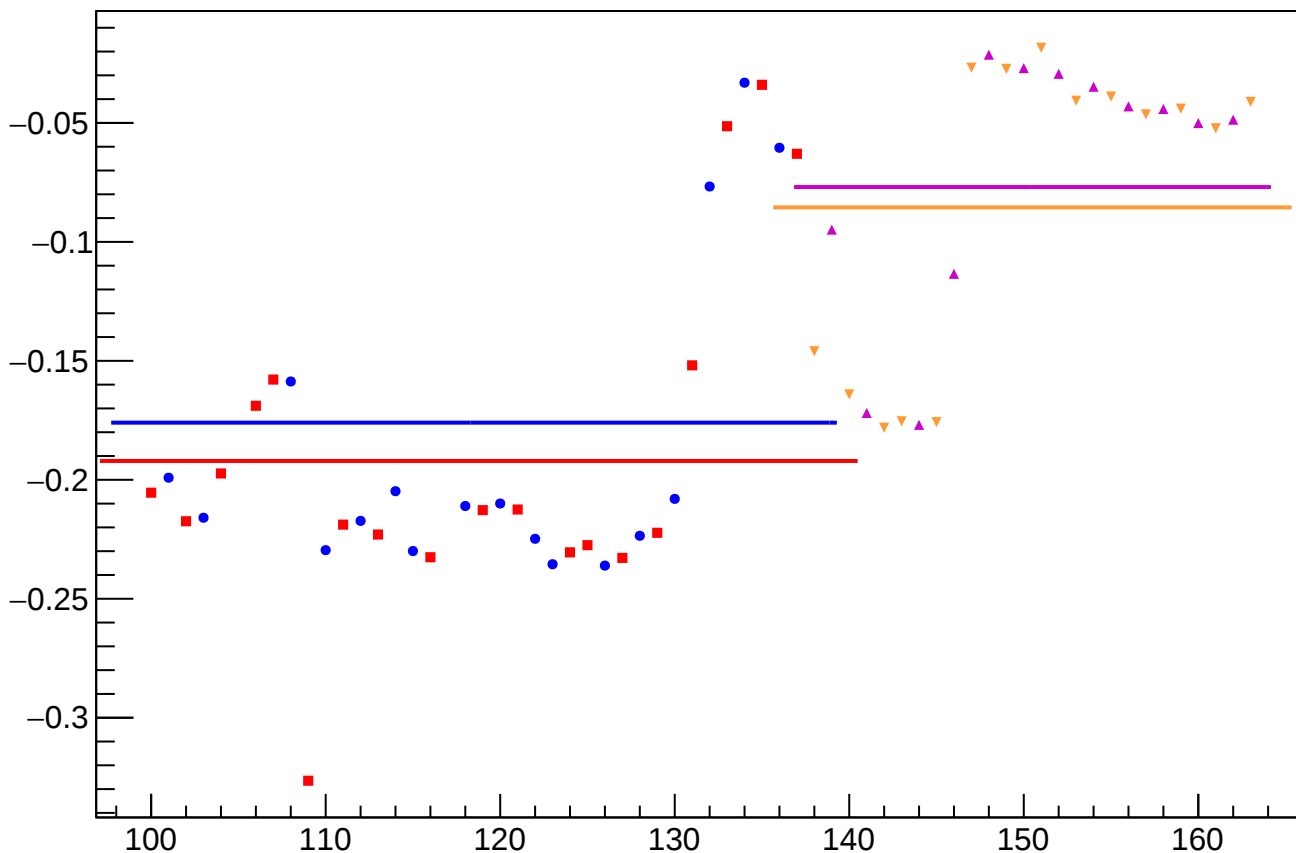
Right: 0.014 $\pm$ 0.000 χ^2 /NDF: 2671110.0/35

In: 0.013 $\pm$ 0.000 χ^2 /NDF:1880976.9/28

Out: 0.013 $\pm$ 0.000 χ^2 /NDF:2033301.0/32

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 3915196.7/61

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.085+/-0.000 χ^2/NDF : 92765599.7/13

Right Out: -0.192+/-0.000 χ^2/NDF : 83253954.4/18

Left In: -0.077+/-0.000 χ^2/NDF : 69644424.8/11

Left: -0.081+/-0.000 χ^2/NDF : 163172281.1/25

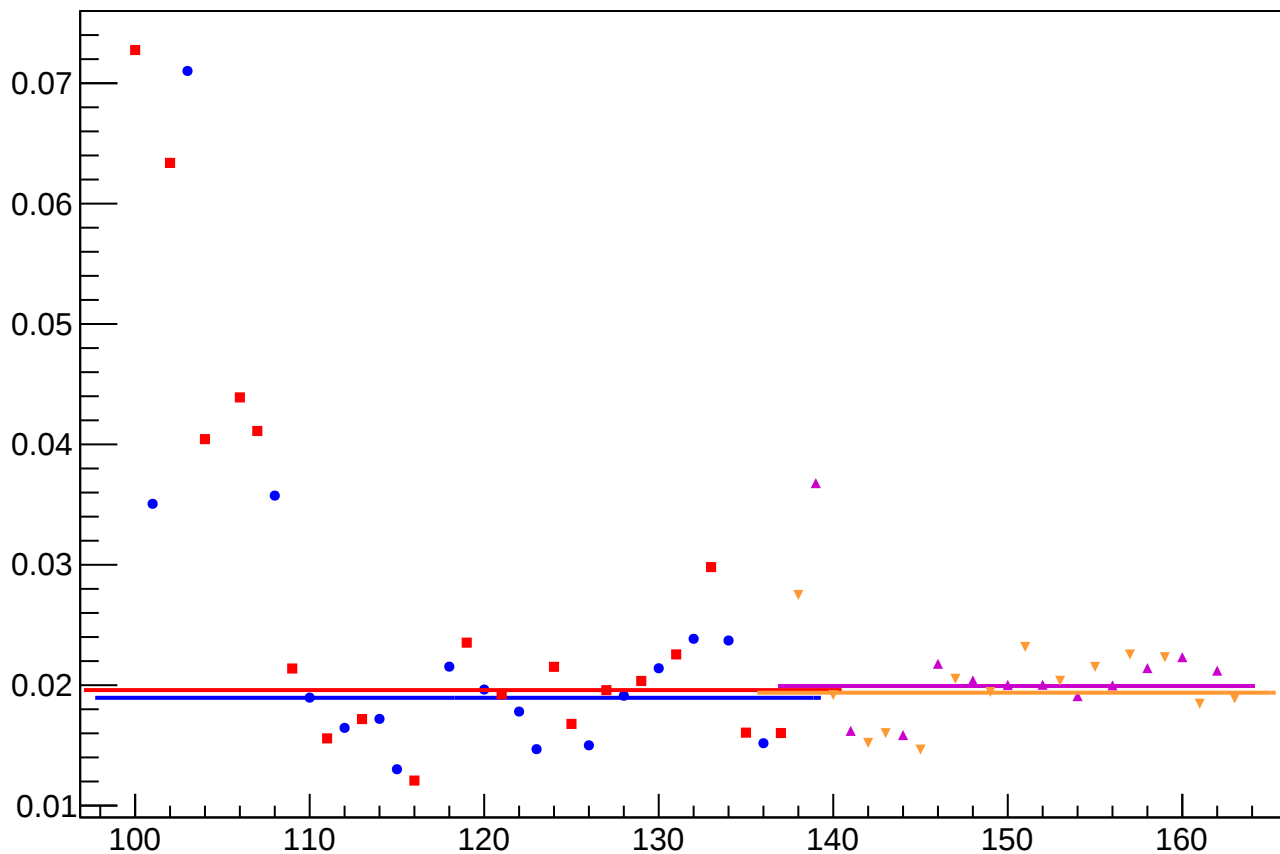
Right: -0.184+/-0.000 χ^2/NDF : 155143425.4/35

In: -0.118+/-0.000 χ^2/NDF : 219209642.2/28

Out: -0.126+/-0.000 χ^2/NDF : 271539611.2/32

All: -0.122+/-0.000 χ^2/NDF : 491847806.3/61

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 : 416932.7/13

Right Out: 0.020+/-0.000 χ^2/NDF : 1455327.3/18

Left In: 0.020+/-0.000 χ^2/NDF : 488304.2/11

Left: 0.020+/-0.000 χ^2/NDF : 911660.4/25

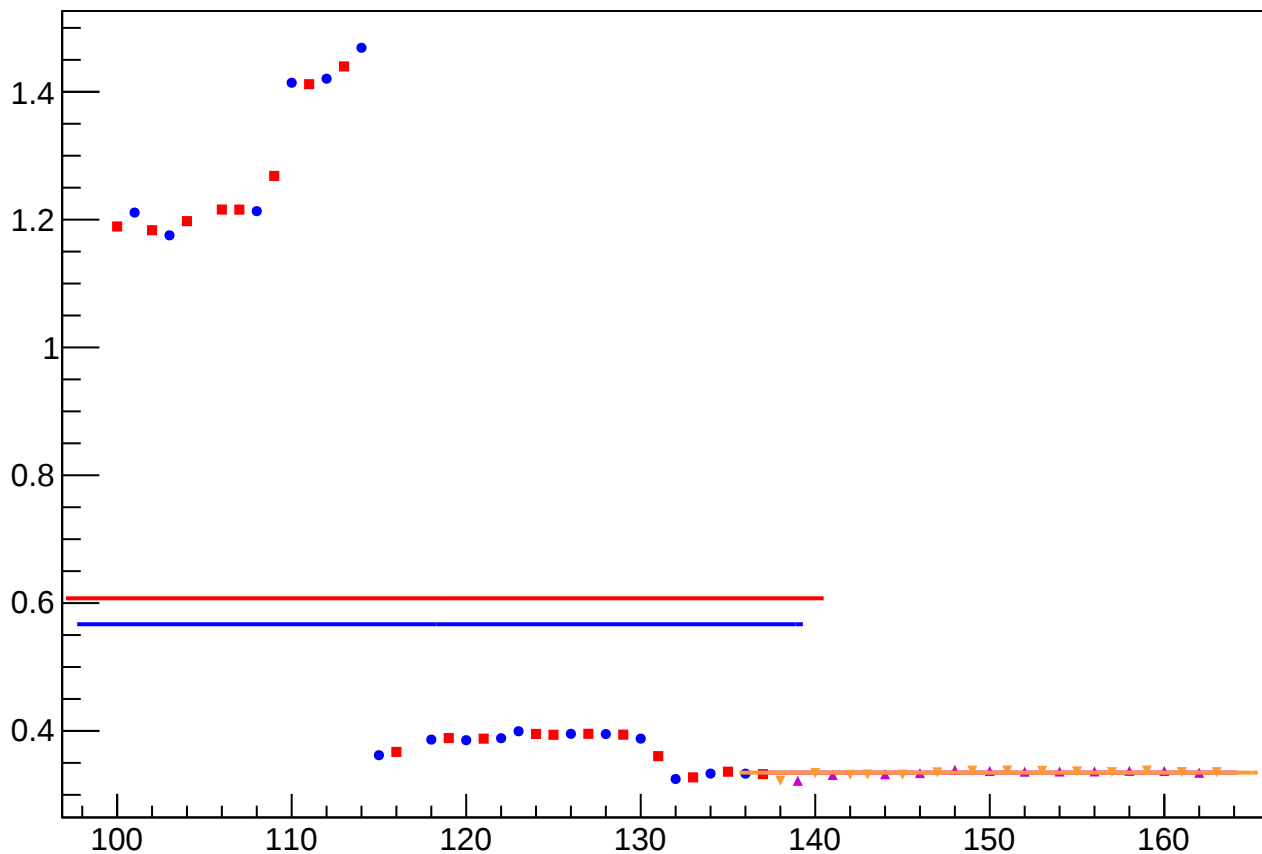
Right: 0.019+/-0.000 χ^2/NDF : 2664188.0/35

In: 0.020+/-0.000 χ^2/NDF : 1707107.4/28

Out: 0.019+/-0.000 χ^2/NDF : 1873040.7/32

All: 0.019+/-0.000 χ^2/NDF : 3580317.1/61

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.567+/-0.000 χ^2/NDF : 5016913731.3/16

Left Out: 0.335+/-0.000 χ^2/NDF :1068097.2/13

Right Out: 0.607+/-0.000 χ^2/NDF : 5505226431.3/18

Left In: 0.335+/-0.000 χ^2/NDF :1150935.8/11

Left: 0.335+/-0.000 χ^2/NDF : 2219124.2/25

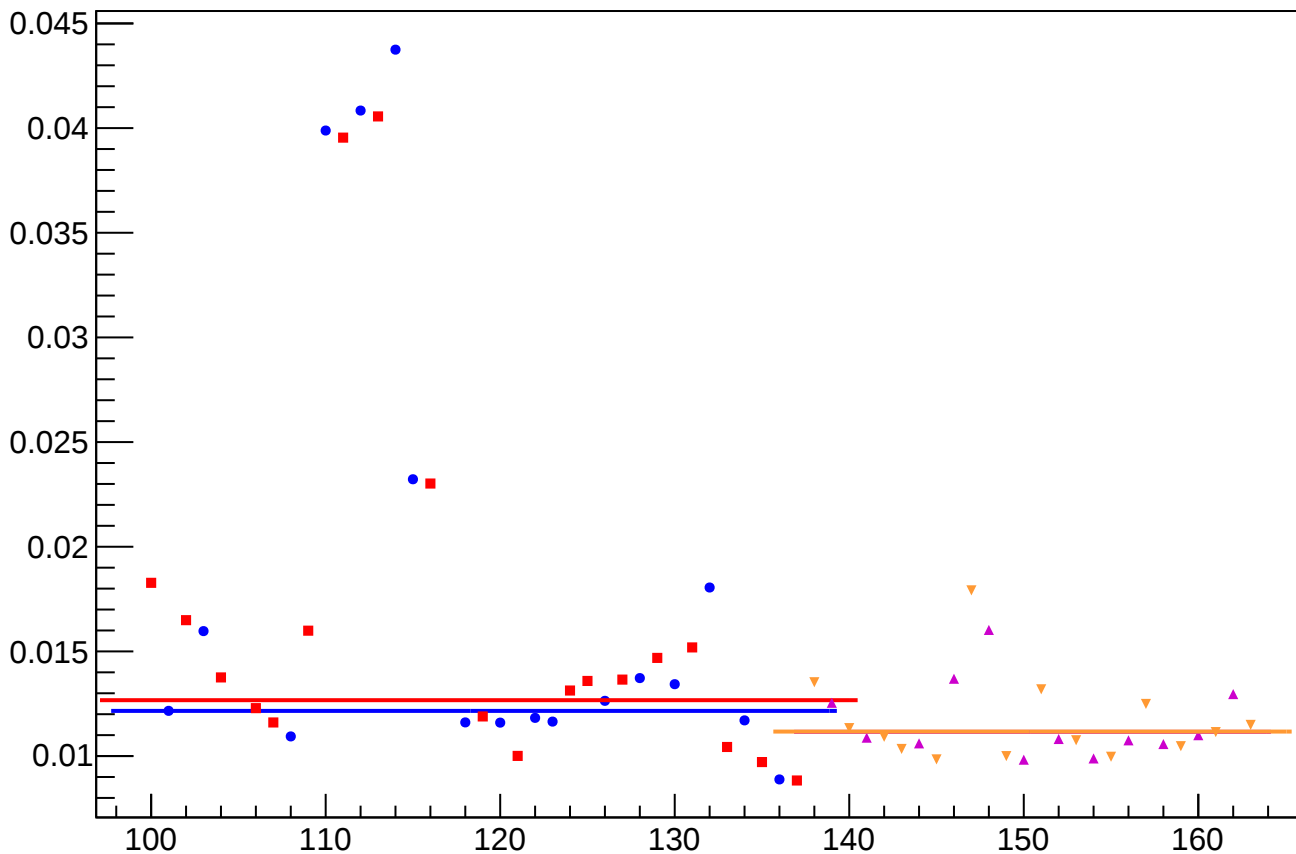
Right: 0.587+/-0.000 χ^2/NDF : 10552855690.4/35

In: 0.413+/-0.000 χ^2/NDF :6370720987.6/28

Out: 0.421+/-0.000 χ^2/NDF :7373624927.8/32

All: 0.417+/-0.000 χ^2/NDF : 13747665821.1/6

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1307948.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:396162.8/13

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1267219.4/18

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:311913.8/11

Left: 0.011 $\pm$ 0.000 χ^2 /NDF: 708091.7/25

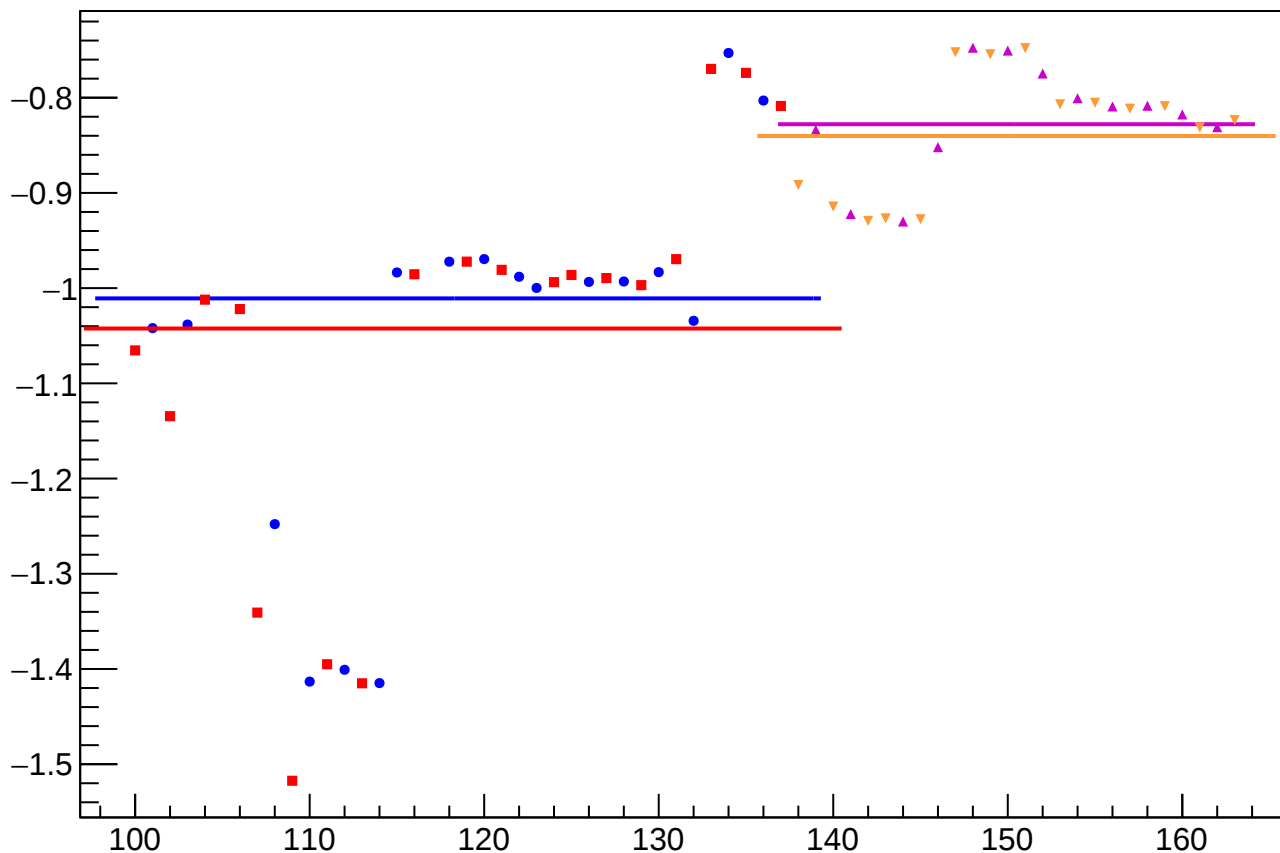
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 2584926.4/35

In: 0.011 $\pm$ 0.000 χ^2 /NDF:1670231.8/28

Out: 0.012 $\pm$ 0.000 χ^2 /NDF:1776223.3/32

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 3448982.0/61

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.011+/-0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.840+/-0.000 χ^2/NDF : 92243156.5/13

Right Out: -1.042+/-0.000 χ^2/NDF : 528958824.5/18

Left In: -0.828+/-0.000 χ^2/NDF : 70019968.5/11

Left: -0.834+/-0.000 χ^2/NDF : 163817849.2/25

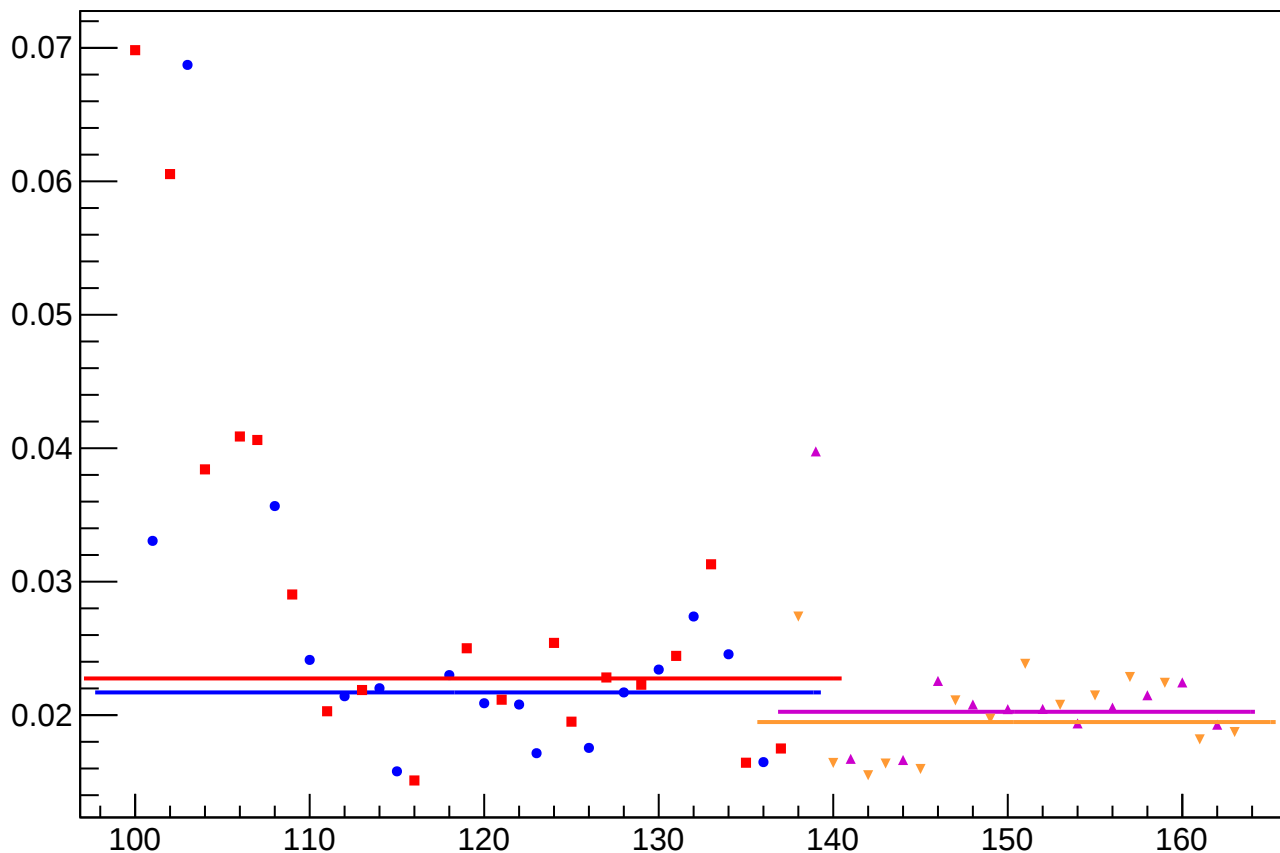
Right: -1.026+/-0.000 χ^2/NDF : 921337924.7/35

In: -0.894+/-0.000 χ^2/NDF : 685756703.7/28

Out: -0.905+/-0.000 χ^2/NDF : 906159694.6/32

All: -0.900+/-0.000 χ^2/NDF : 1593820686.0/6

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 : 390490.1/13

Right Out: 0.023+/-0.000 χ^2/NDF : 1152332.6/18

Left In: 0.020+/-0.000 χ^2/NDF : 496505.8/11

Left: 0.020+/-0.000 χ^2/NDF : 898939.9/25

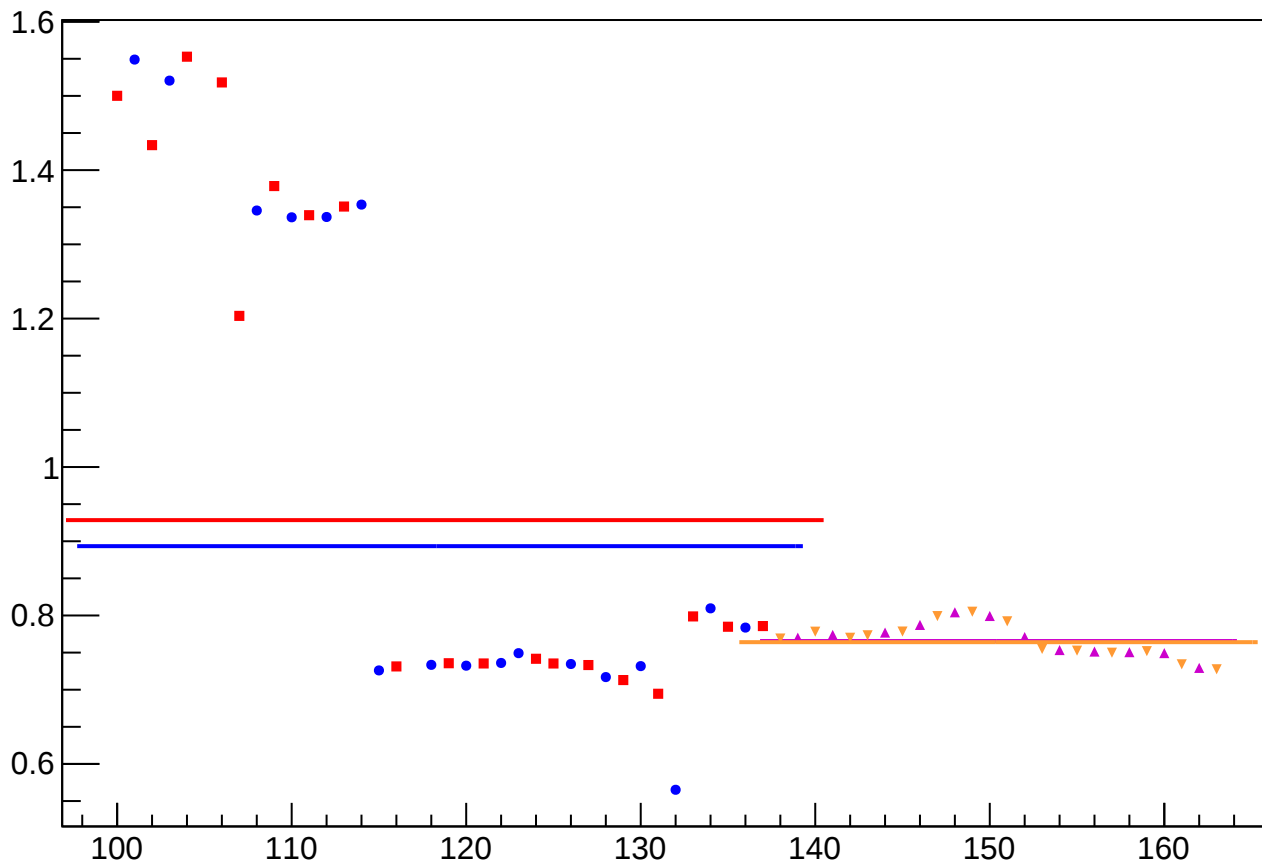
Right: 0.022+/-0.000 χ^2/NDF : 2143091.8/35

In: 0.021+/-0.000 χ^2/NDF : 1504599.8/28

Out: 0.021+/-0.000 χ^2/NDF : 1691603.7/32

All: 0.021+/-0.000 χ^2/NDF : 3198061.7/61

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.893 $\pm$ 0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.764 $\pm$ 0.000 χ^2/NDF :28889310.4/13

Right Out: 0.928 $\pm$ 0.000 χ^2/NDF : 2435640156.0/18

Left In: 0.766 $\pm$ 0.000 χ^2/NDF :21880702.7/11

Left: 0.765 $\pm$ 0.000 χ^2/NDF : 50840651.6/25

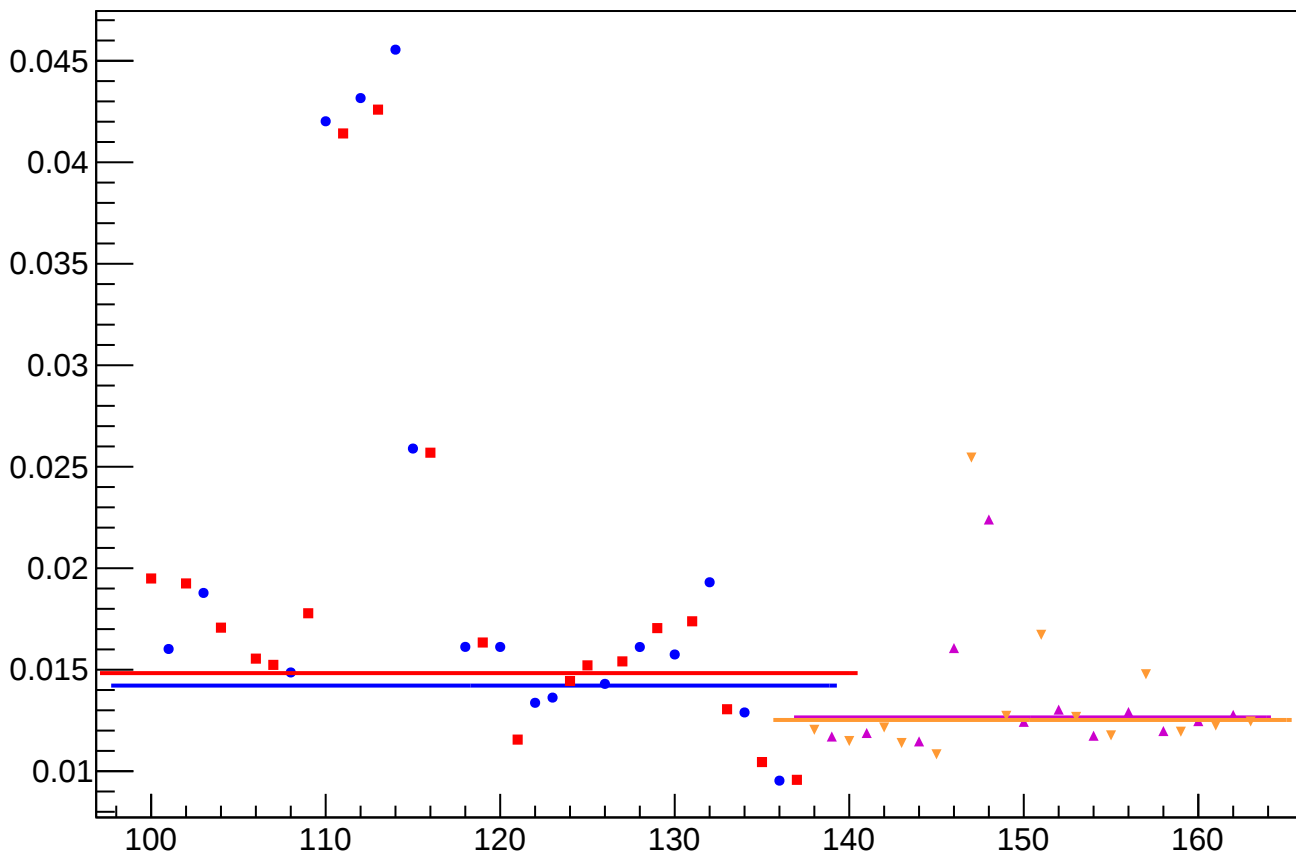
Right: 0.911 $\pm$ 0.000 χ^2/NDF : 4860512064.2/35

In: 0.807 $\pm$ 0.000 χ^2/NDF :2735659516.9/28

Out: 0.813 $\pm$ 0.000 χ^2/NDF :2978546089.2/32

All: 0.810 $\pm$ 0.000 χ^2/NDF : 5716145530.1/61

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1409594.2/16

Left Out: 0.013+/-0.000 χ^2/NDF :583814.7/13

Right Out: 0.015+/-0.000 χ^2/NDF : 1269559.2/18

Left In: 0.013+/-0.000 χ^2/NDF :405254.2/11

Left: 0.013+/-0.000 χ^2/NDF : 990020.2/25

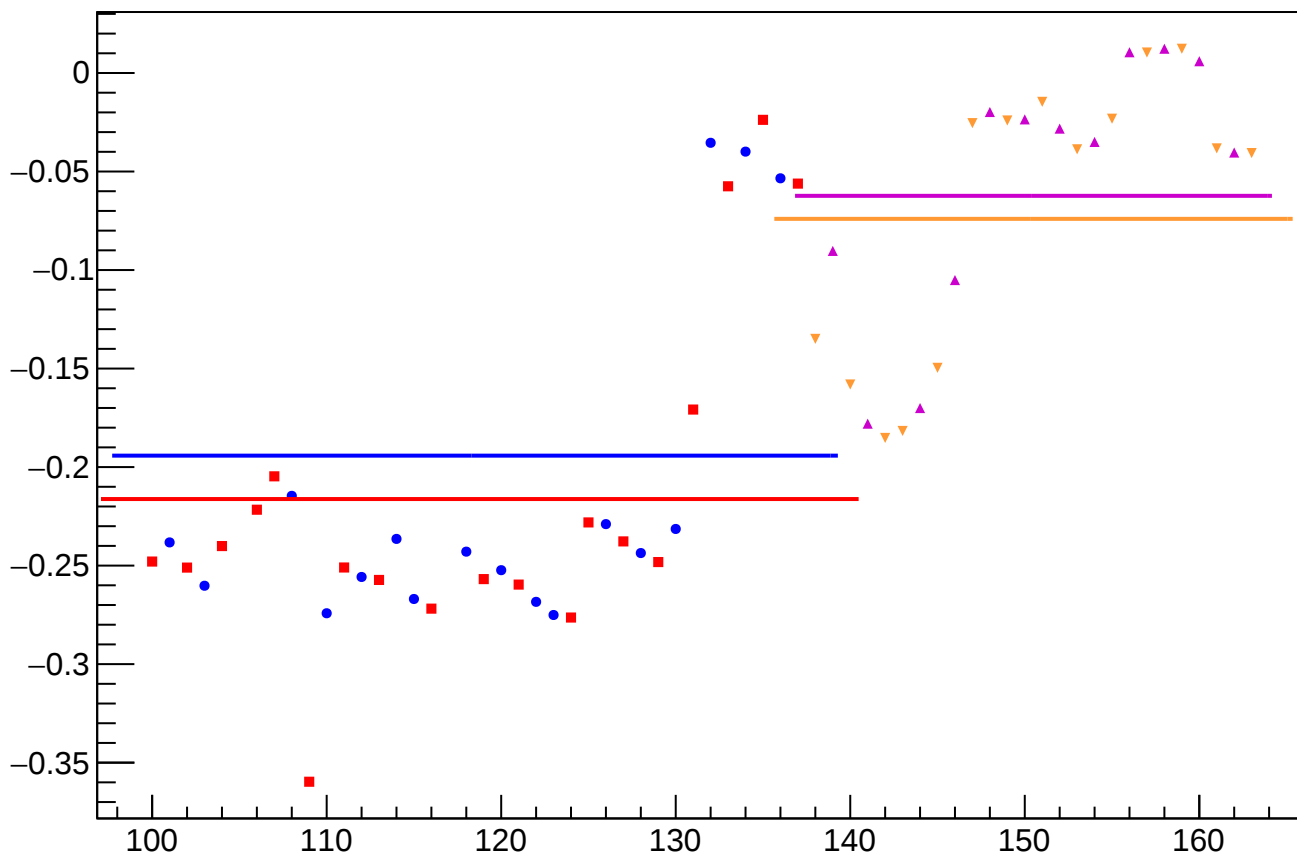
Right: 0.015+/-0.000 χ^2/NDF : 2689500.8/35

In: 0.013+/-0.000 χ^2/NDF :1906892.6/28

Out: 0.013+/-0.000 χ^2/NDF :2055945.2/32

All: 0.013+/-0.000 χ^2/NDF : 3963178.8/61

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.194+/-0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.074+/-0.000 χ^2/NDF : 109384626.7/13

Right Out: -0.216+/-0.000 χ^2/NDF : 111036295.0/18

Left In: -0.062+/-0.000 χ^2/NDF : 94181933.7/11

Left: -0.069+/-0.000 χ^2/NDF : 204985077.2/25

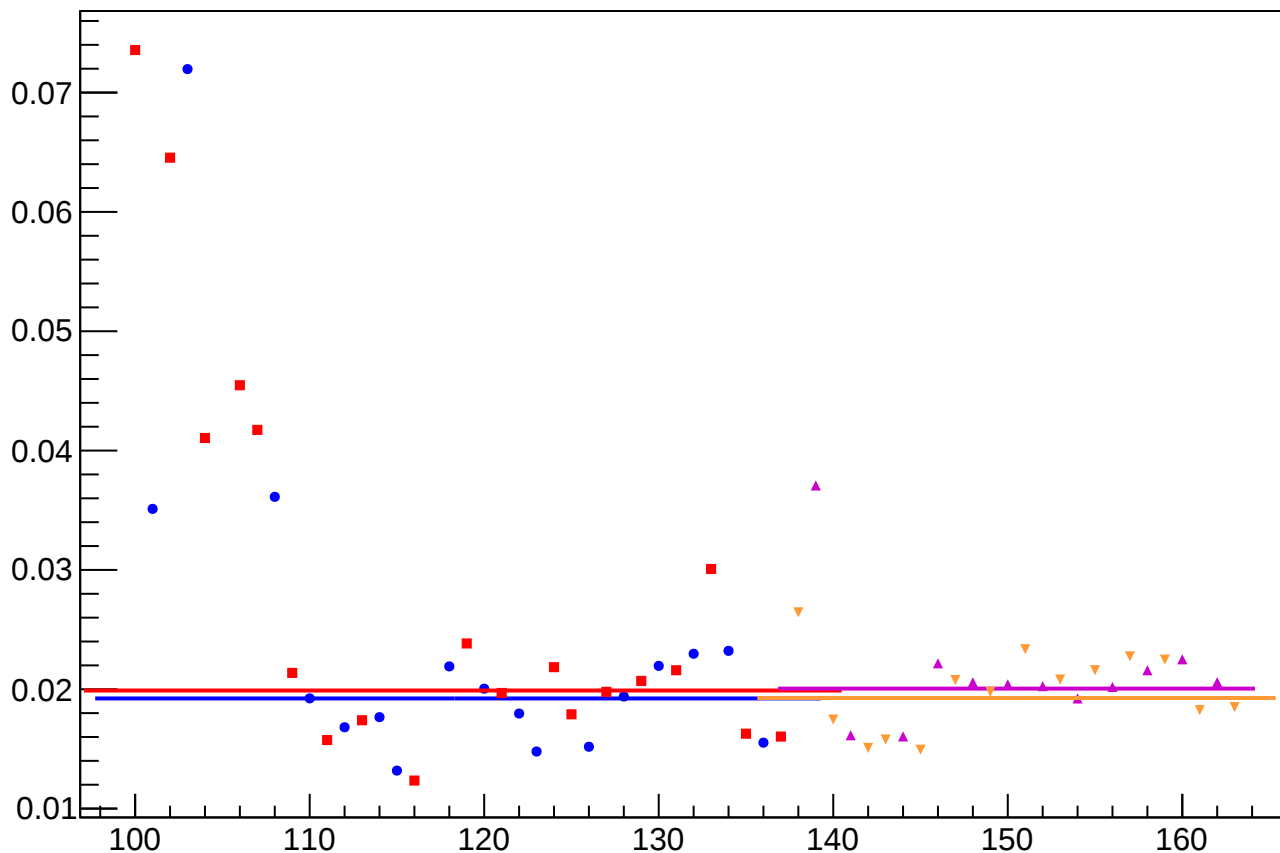
Right: -0.205+/-0.000 χ^2/NDF : 222671892.3/35

In: -0.116+/-0.000 χ^2/NDF : 340381157.6/28

Out: -0.126+/-0.000 χ^2/NDF : 387294794.0/32

All: -0.122+/-0.000 χ^2/NDF : 729457182.1/61

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1174577.3/16

Left Out: 0.019+/-0.000 χ^2/NDF : 420430.9/13

Right Out: 0.020+/-0.000 χ^2/NDF : 1444442.2/18

Left In: 0.020+/-0.000 χ^2/NDF : 491381.7/11

Left: 0.020+/-0.000 χ^2/NDF : 924738.0/25

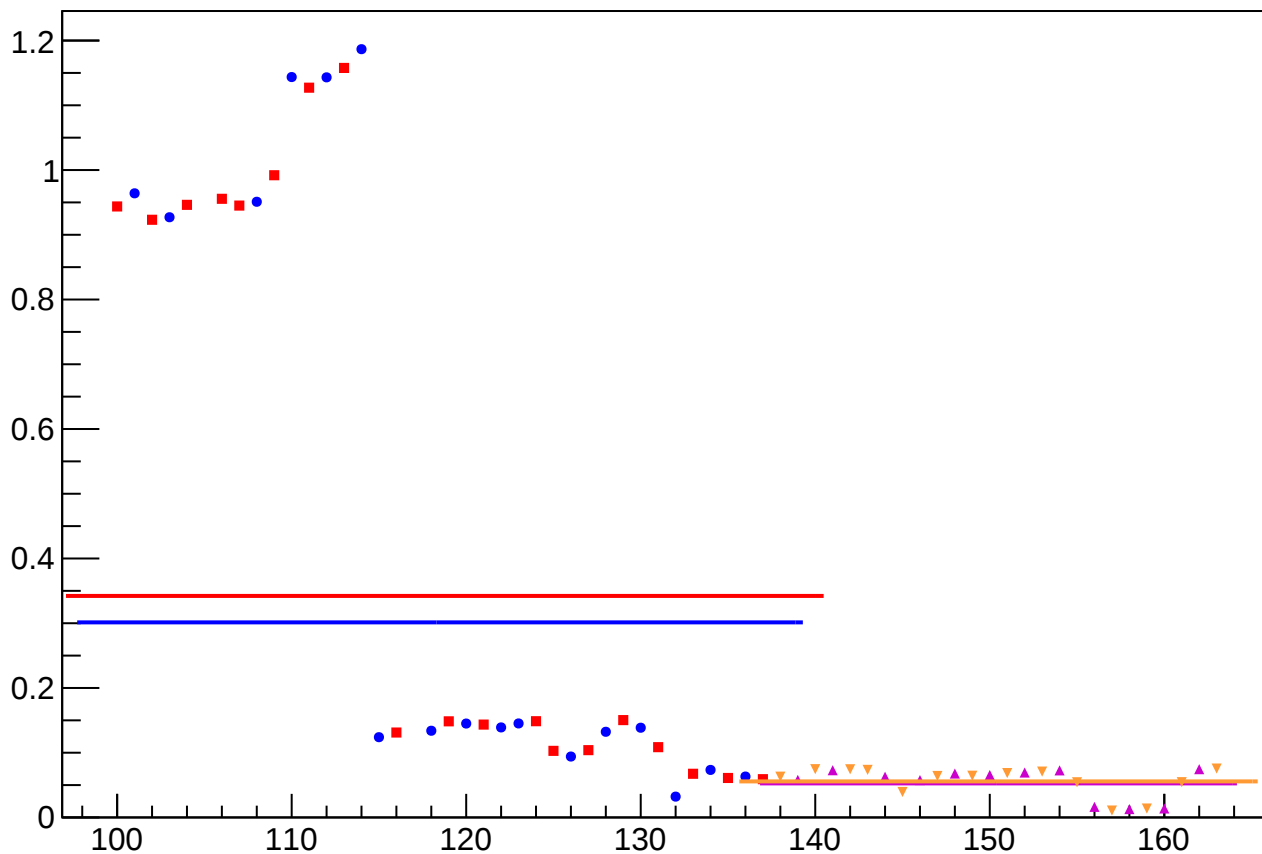
Right: 0.020+/-0.000 χ^2/NDF : 2624881.7/35

In: 0.020+/-0.000 χ^2/NDF : 1676793.3/28

Out: 0.019+/-0.000 χ^2/NDF : 1871368.8/32

All: 0.020+/-0.000 χ^2/NDF : 3549804.9/61

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.301+/-0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.056+/-0.000 χ^2/NDF : 37210259.2/13

Right Out: 0.342+/-0.000 χ^2/NDF : 5442717599.3/18

Left In: 0.053+/-0.000 χ^2/NDF : 45507347.3/11

Left: 0.054+/-0.000 χ^2/NDF : 83098681.8/25

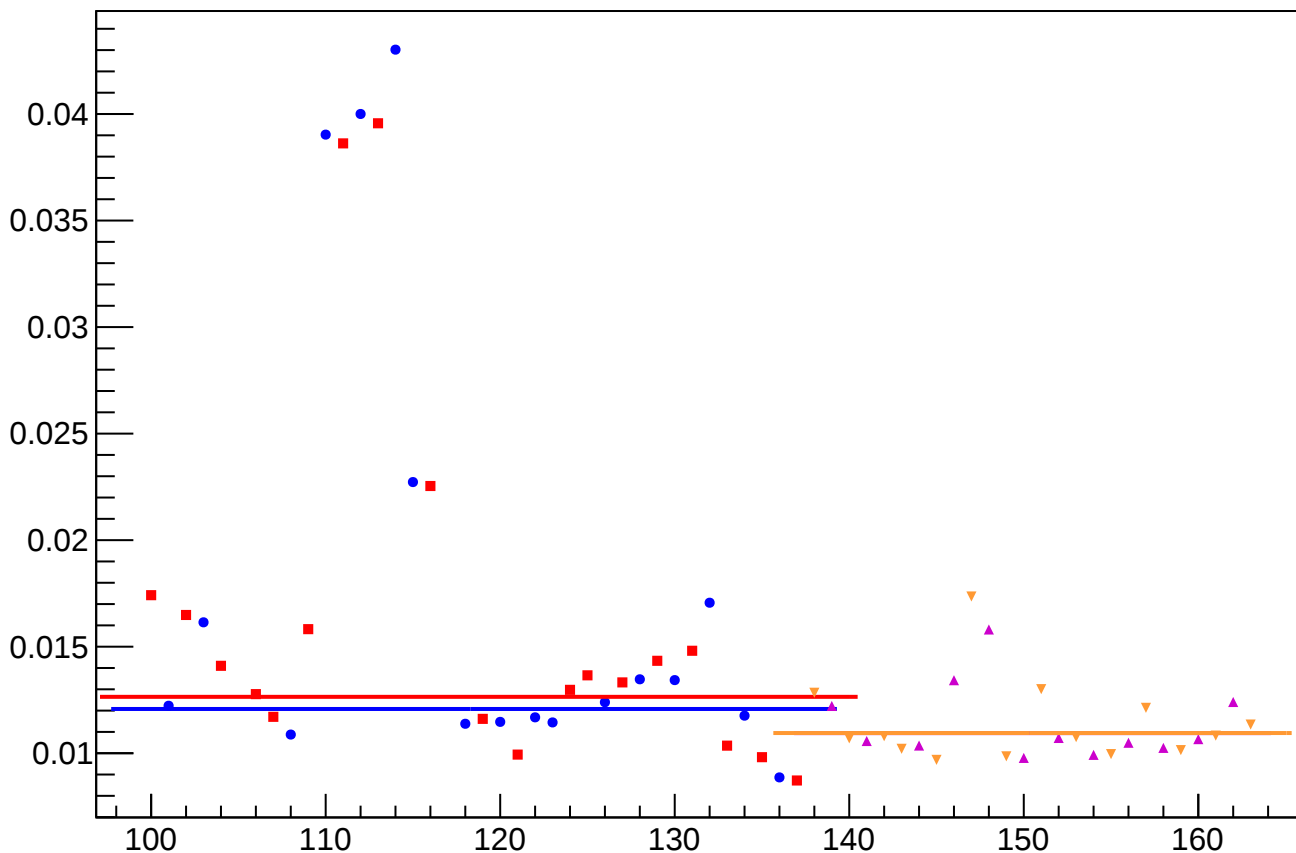
Right: 0.321+/-0.000 χ^2/NDF : 10628899850.1/35

In: 0.135+/-0.000 χ^2/NDF : 6789269714.8/28

Out: 0.144+/-0.000 χ^2/NDF : 7573138683.9/32

All: 0.139+/-0.000 χ^2/NDF : 14366650329.1/6

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1280342.2/16

Left Out: 0.011+/-0.000 χ^2/NDF : 365173.3/13

Right Out: 0.013+/-0.000 χ^2/NDF : 1236084.9/18

Left In: 0.011+/-0.000 χ^2/NDF : 293417.3/11

Left: 0.011+/-0.000 χ^2/NDF : 658591.5/25

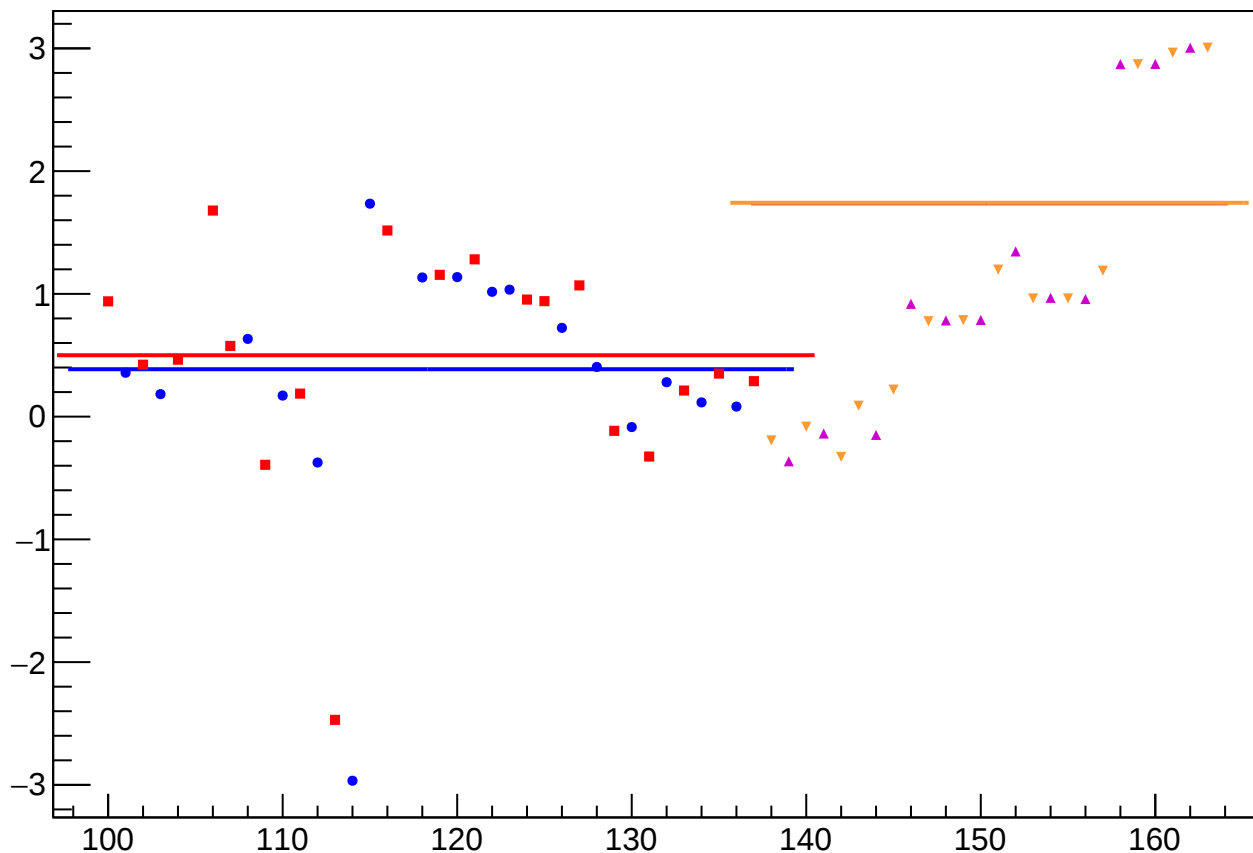
Right: 0.012+/-0.000 χ^2/NDF : 2528646.1/35

In: 0.011+/-0.000 χ^2/NDF : 1639656.8/28

Out: 0.011+/-0.000 χ^2/NDF : 1748533.7/32

All: 0.011+/-0.000 χ^2/NDF : 3390809.8/61

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.386+/-0.000 χ^2/NDF : 246380221.7/16

Left Out: 1.742+/-0.000 χ^2/NDF : 24264033432.2/13

Right Out: 0.500+/-0.000 χ^2/NDF : 983386658.7/18

Left In: 1.737+/-0.000 χ^2/NDF : 23689896861.4/11

Left: 1.740+/-0.000 χ^2/NDF : 47954187080.5/25

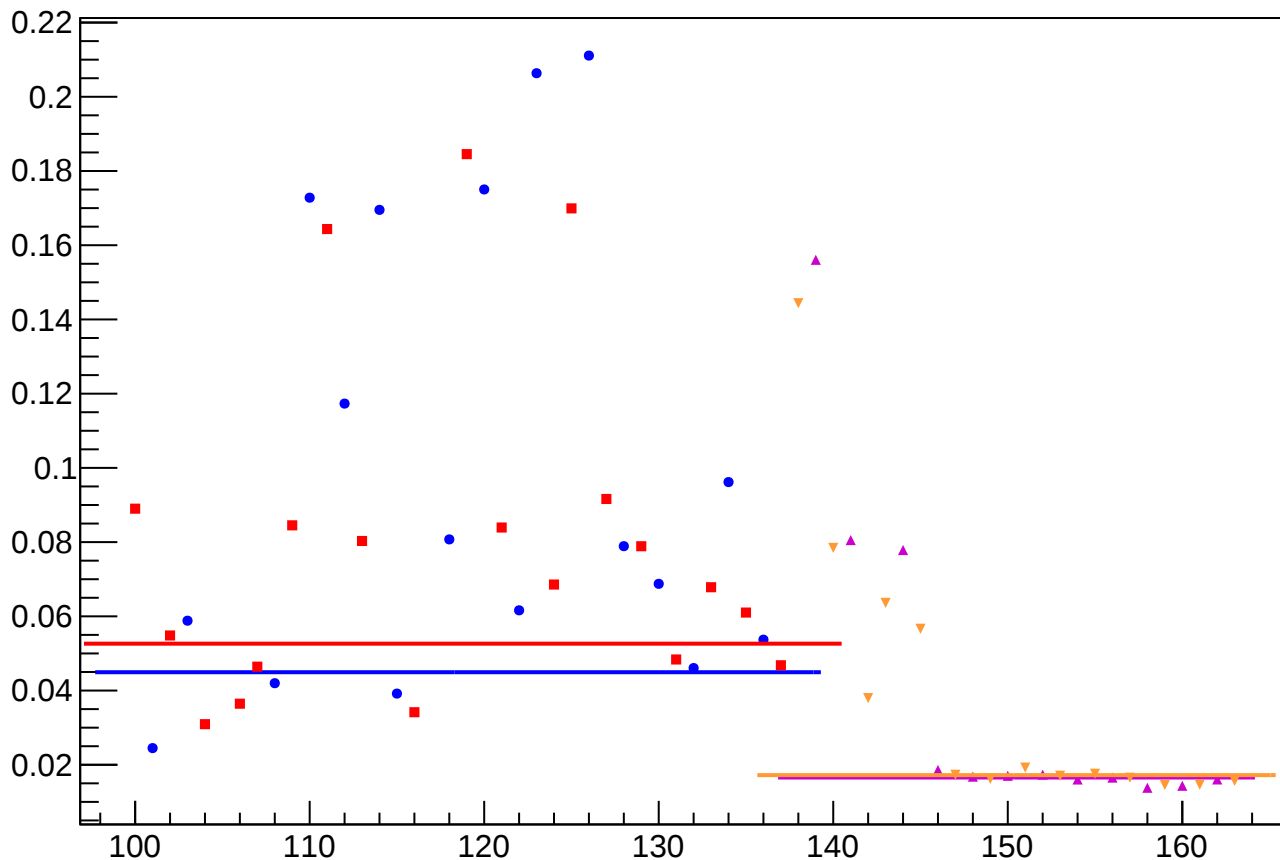
Right: 0.439+/-0.000 χ^2/NDF : 1240216918.3/35

In: 1.648+/-0.000 χ^2/NDF : 26915558905.6/28

Out: 1.670+/-0.000 χ^2/NDF : 27409033936.0/32

All: 1.659+/-0.000 χ^2/NDF : 54330737526.9/6

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045+/-0.000 χ^2/NDF : 2788348.6/16

Left Out: 0.017+/-0.000 χ^2/NDF : 2732489.7/13

Right Out: 0.053+/-0.000 χ^2/NDF : 2191752.0/18

Left In: 0.017+/-0.000 χ^2/NDF : 2391763.5/11

Left: 0.017+/-0.000 χ^2/NDF : 5134434.8/25

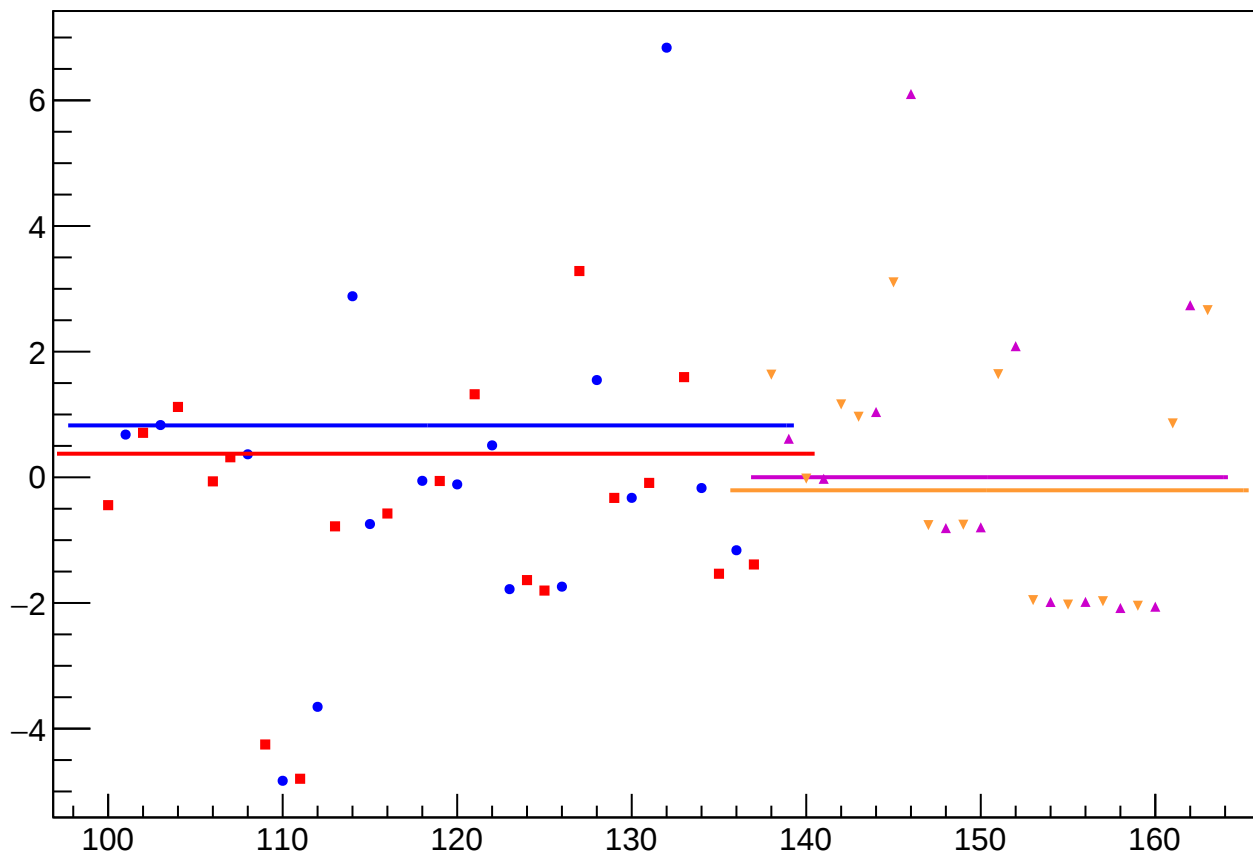
Right: 0.048+/-0.000 χ^2/NDF : 5075265.3/35

In: 0.018+/-0.000 χ^2/NDF : 7807321.9/28

Out: 0.019+/-0.000 χ^2/NDF : 8441646.4/32

All: 0.019+/-0.000 χ^2/NDF : 16266868.3/61

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.826+/-0.000 χ^2/NDF : 10945455664.9/16

Left Out: -0.207+/-0.000 χ^2/NDF : 141440109775.5/13

Right Out: 0.376+/-0.000 χ^2/NDF : 4947158634.2/18

Left In: 0.002+/-0.000 χ^2/NDF : 267362846533.5/11

Left: -0.102+/-0.000 χ^2/NDF : 409615562986.9/25

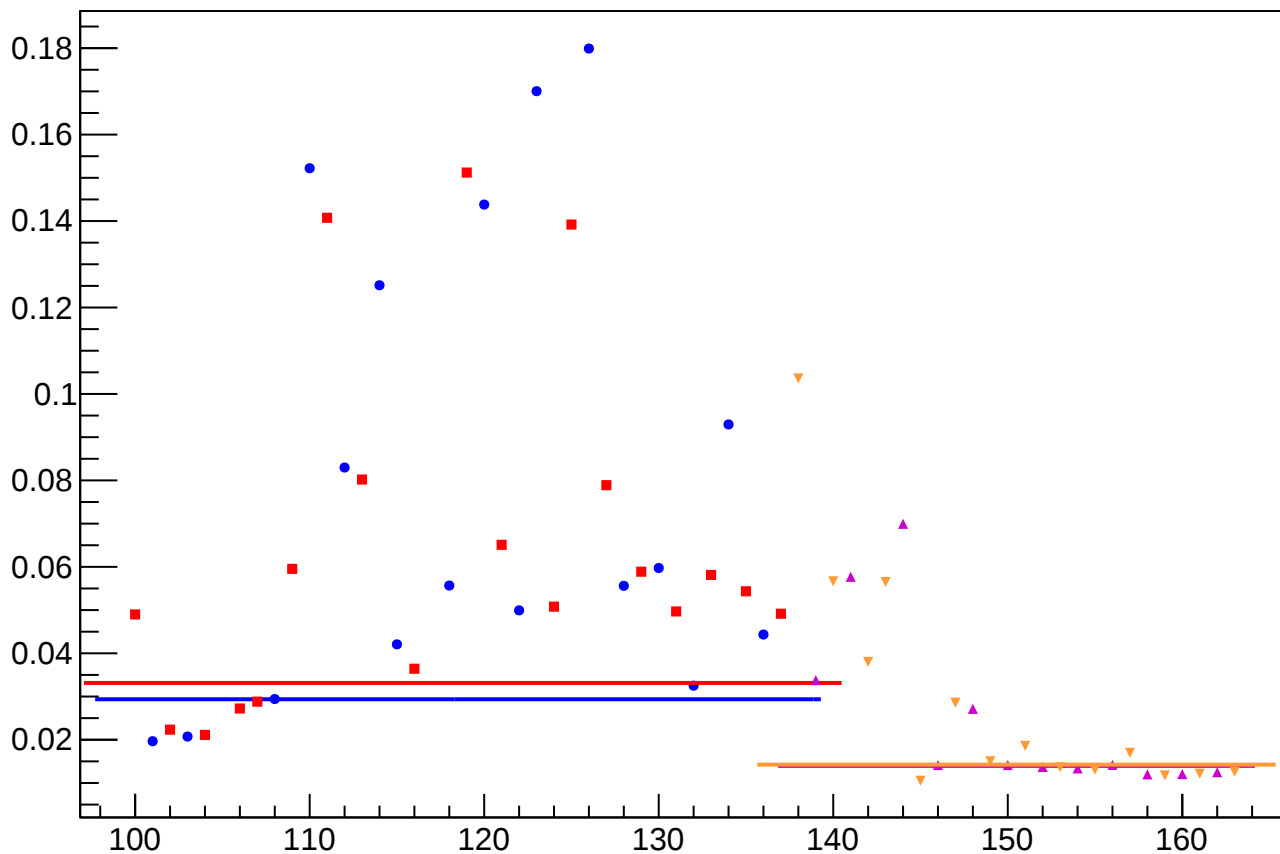
Right: 0.614+/-0.000 χ^2/NDF : 16267855103.5/35

In: 0.080+/-0.000 χ^2/NDF : 280728256225.5/28

Out: -0.157+/-0.000 χ^2/NDF : 147470307651.9/32

All: -0.037+/-0.000 χ^2/NDF : 429346975673.9/32

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.014+/-0.000 χ^2/NDF : 2783225.6/13

Right Out: 0.033+/-0.000 χ^2/NDF : 3099105.0/18

Left In: 0.014+/-0.000 χ^2/NDF : 1854481.4/11

Left: 0.014+/-0.000 χ^2/NDF : 4640888.8/25

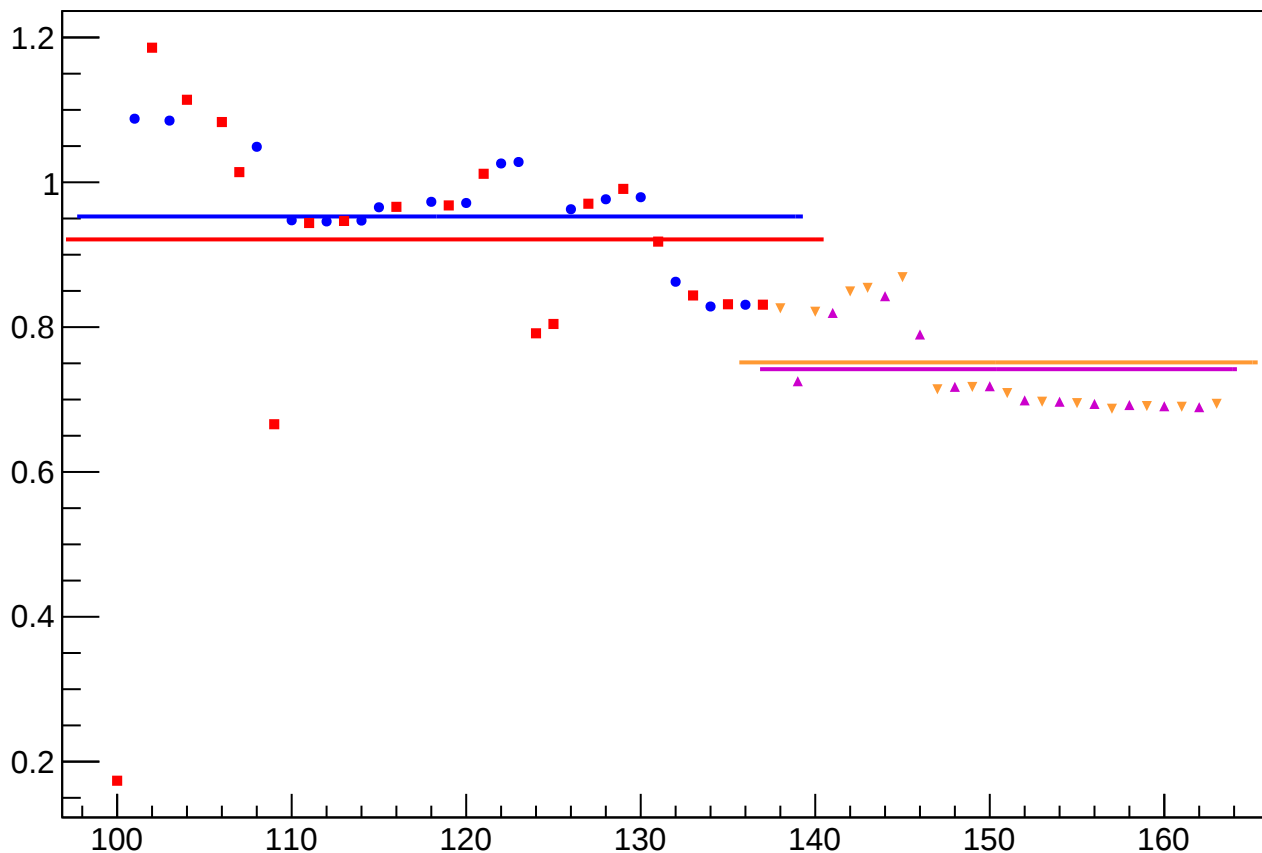
Right: 0.031+/-0.000 χ^2/NDF : 6139085.6/35

In: 0.015+/-0.000 χ^2/NDF : 6533891.5/28

Out: 0.016+/-0.000 χ^2/NDF : 8163390.0/32

All: 0.016+/-0.000 χ^2/NDF : 14705908.7/61

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.953 $\pm$ 0.000 χ^2/NDF : 175750243.6/16

Left Out: 0.751 $\pm$ 0.000 χ^2/NDF :250854914.3/13

Right Out: 0.921 $\pm$ 0.000 χ^2/NDF : 374151585.5/18

Left In: 0.742 $\pm$ 0.000 χ^2/NDF :149512091.0/11

Left: 0.747 $\pm$ 0.000 χ^2/NDF : 402514658.6/25

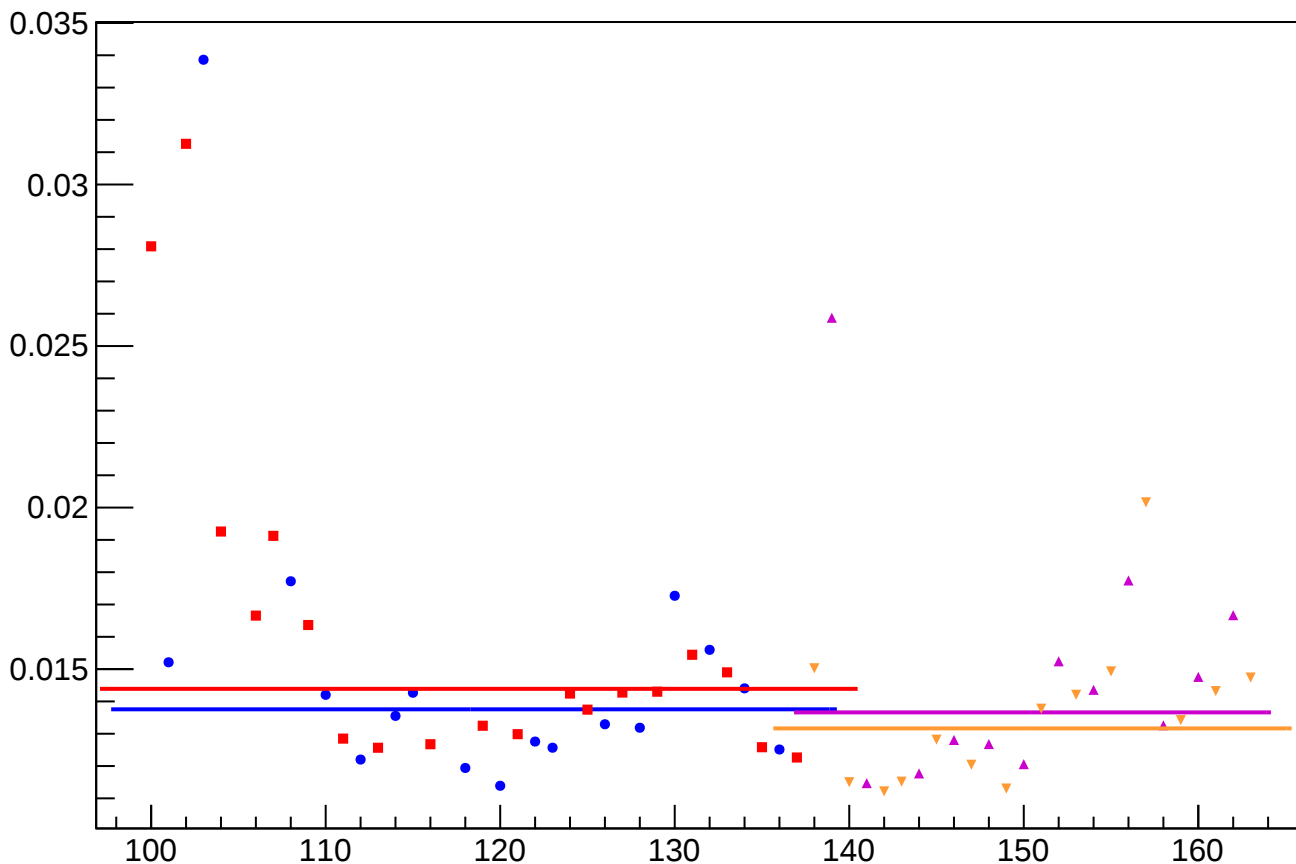
Right: 0.937 $\pm$ 0.000 χ^2/NDF : 564889848.1/35

In: 0.826 $\pm$ 0.000 χ^2/NDF :1137297542.6/28

Out: 0.812 $\pm$ 0.000 χ^2/NDF :1167436619.0/32

All: 0.819 $\pm$ 0.000 χ^2/NDF : 2312370924.4/63

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:343529.2/13

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 503813.0/18

Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:593028.0/11

Left: 0.013 $\pm$ 0.000 χ^2 /NDF: 948536.8/25

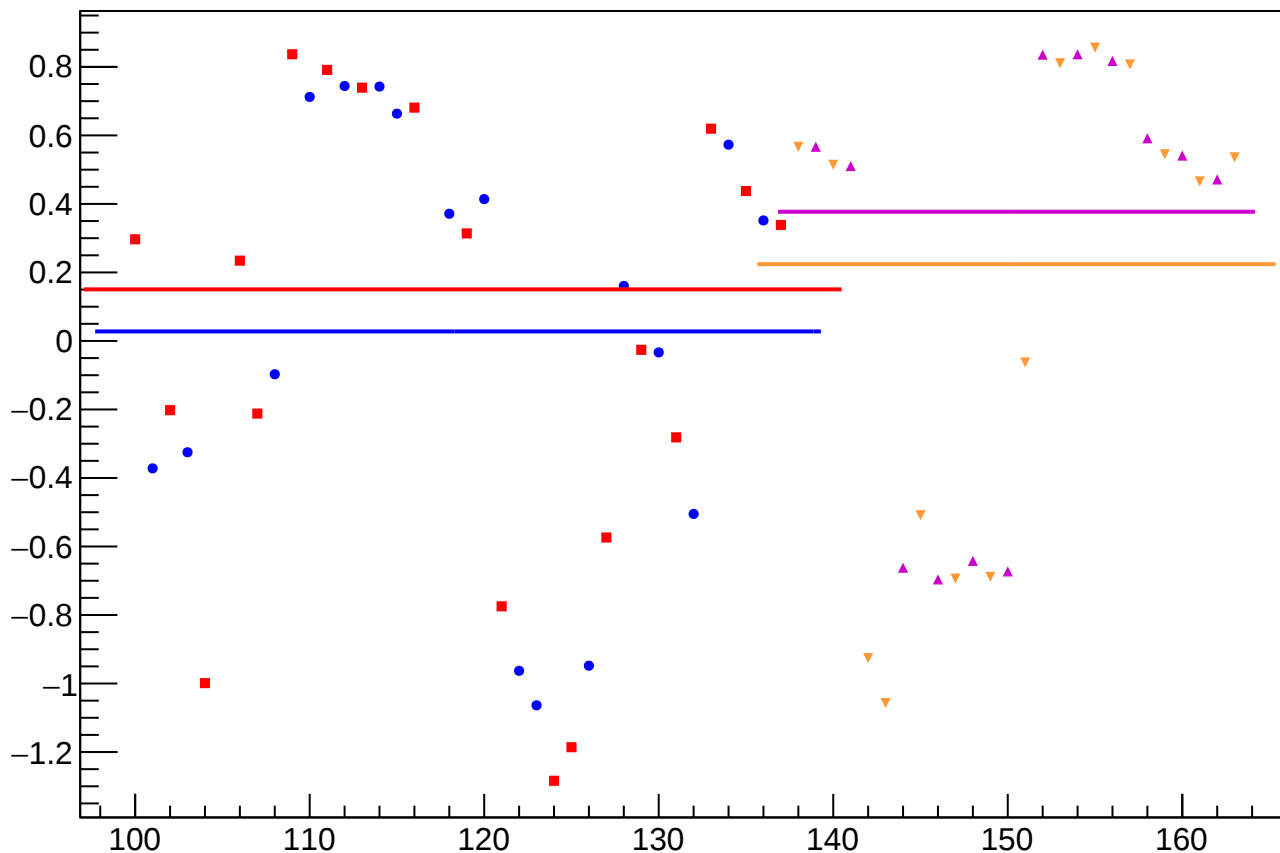
Right: 0.014 $\pm$ 0.000 χ^2 /NDF: 1054284.2/35

In: 0.014 $\pm$ 0.000 χ^2 /NDF:1131827.0/28

Out: 0.014 $\pm$ 0.000 χ^2 /NDF:903726.3/32

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2036246.0/61

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.000

χ^2/NDF : 6276955529.7/16

Left: 0.299+/-0.000

χ^2/NDF : 40746730945.4/25

Left Out: 0.224+/-0.000

χ^2/NDF : 23928586501.2/13

Right: 0.095+/-0.000

χ^2/NDF : 19125643372.9/35

Right Out: 0.151+/-0.000

χ^2/NDF : 12653743155.9/18

In: 0.282+/-0.000

χ^2/NDF : 24436656971.9/28

Out: 0.202+/-0.000

χ^2/NDF : 36690310153.3/32

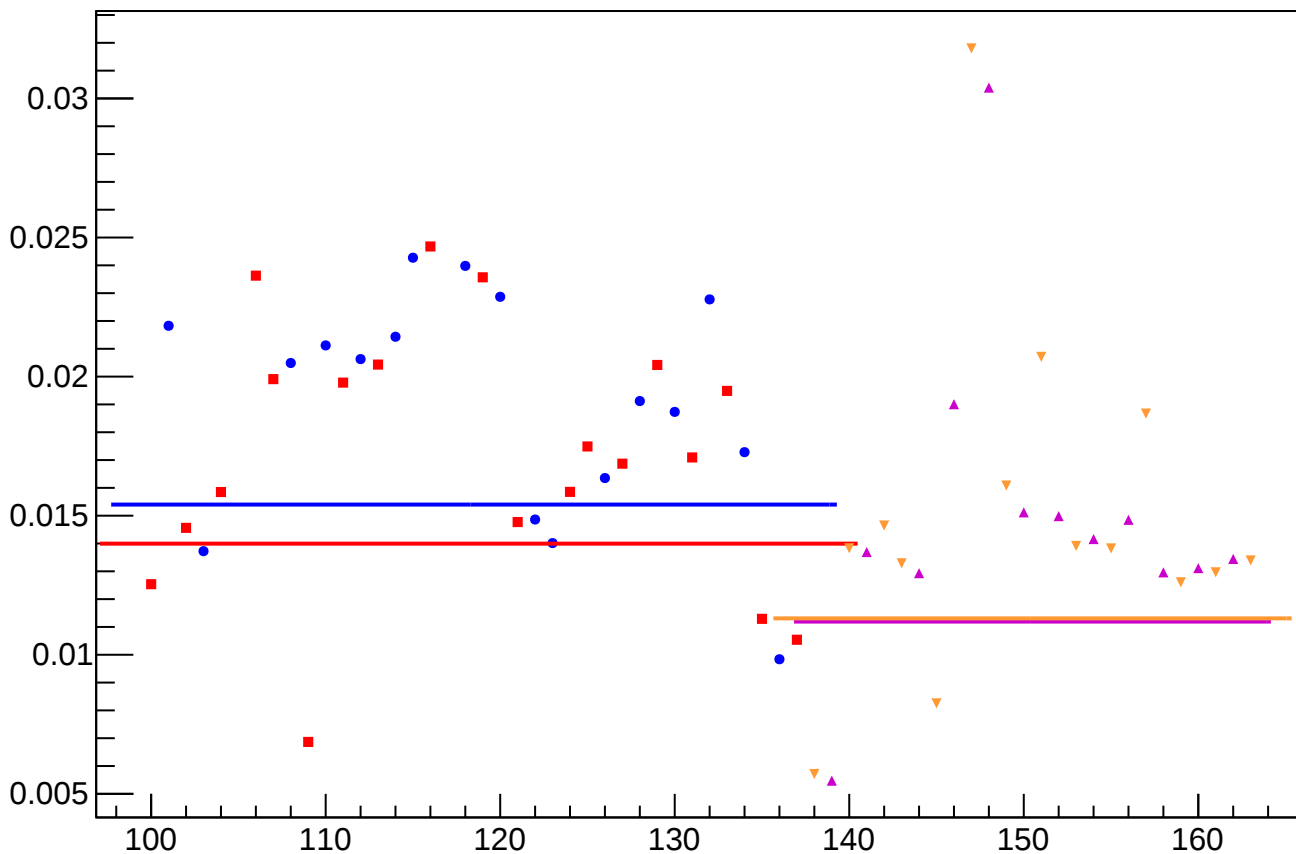
Left In: 0.377+/-0.000

χ^2/NDF : 16065735757.7/11

All: 0.240+/-0.000

χ^2/NDF : 61412595884.6/60

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 : 2879751.9/13

Right Out: 0.014+/-0.000 χ^2/NDF : 1561550.9/18

Left In: 0.011+/-0.000 χ^2/NDF : 2886753.9/11

Left: 0.011+/-0.000 χ^2/NDF : 5767356.1/25

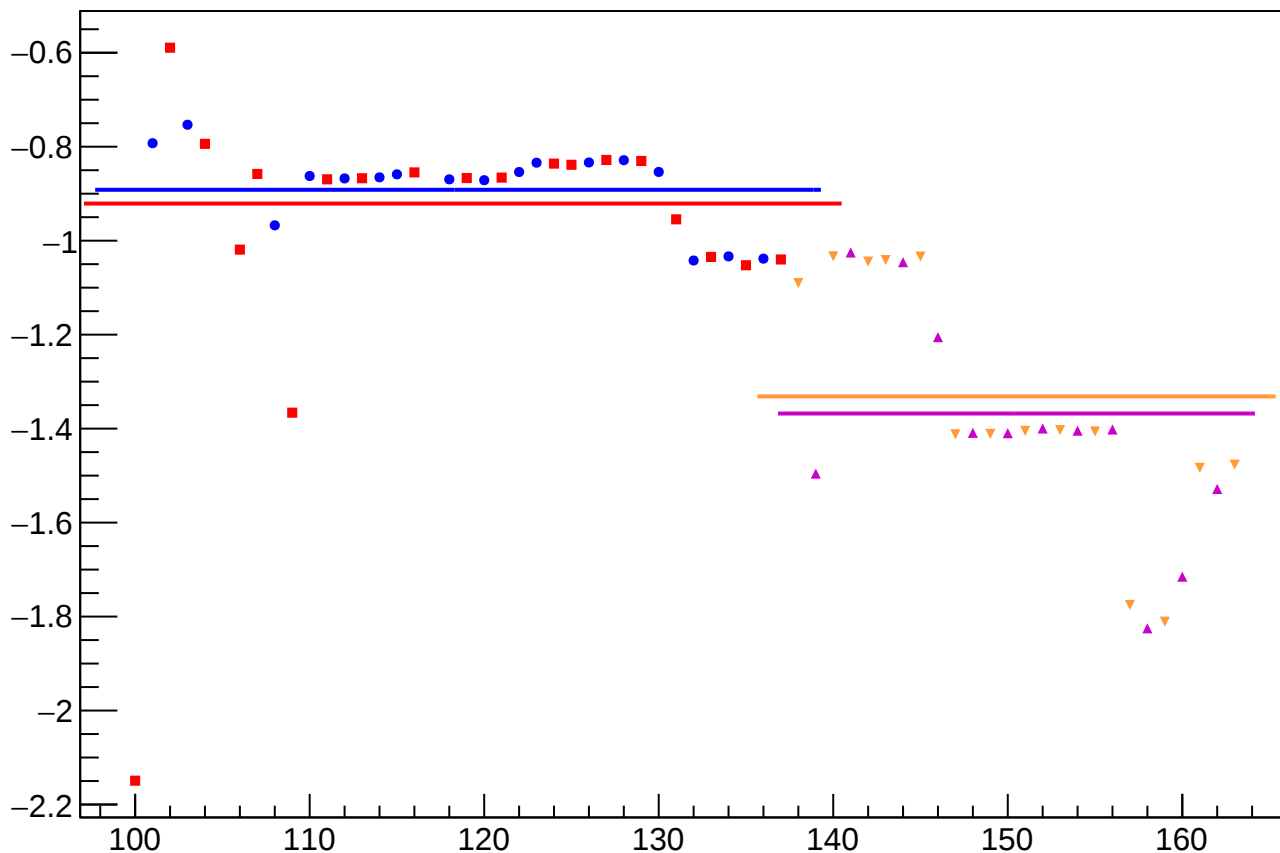
Right: 0.015+/-0.000 χ^2/NDF : 2754233.9/35

In: 0.012+/-0.000 χ^2/NDF : 4635350.7/28

Out: 0.012+/-0.000 χ^2/NDF : 4728990.6/32

All: 0.012+/-0.000 χ^2/NDF : 9368921.4/61

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.892+/-0.000 χ^2/NDF : 39793337.2/16

Left Out: -1.331+/-0.000 χ^2/NDF : 461272247.8/13

Right Out: -0.921+/-0.000 χ^2/NDF : 131159330.1/18

Left In: -1.368+/-0.000 χ^2/NDF : 411062952.0/11

Left: -1.348+/-0.000 χ^2/NDF : 877239047.9/25

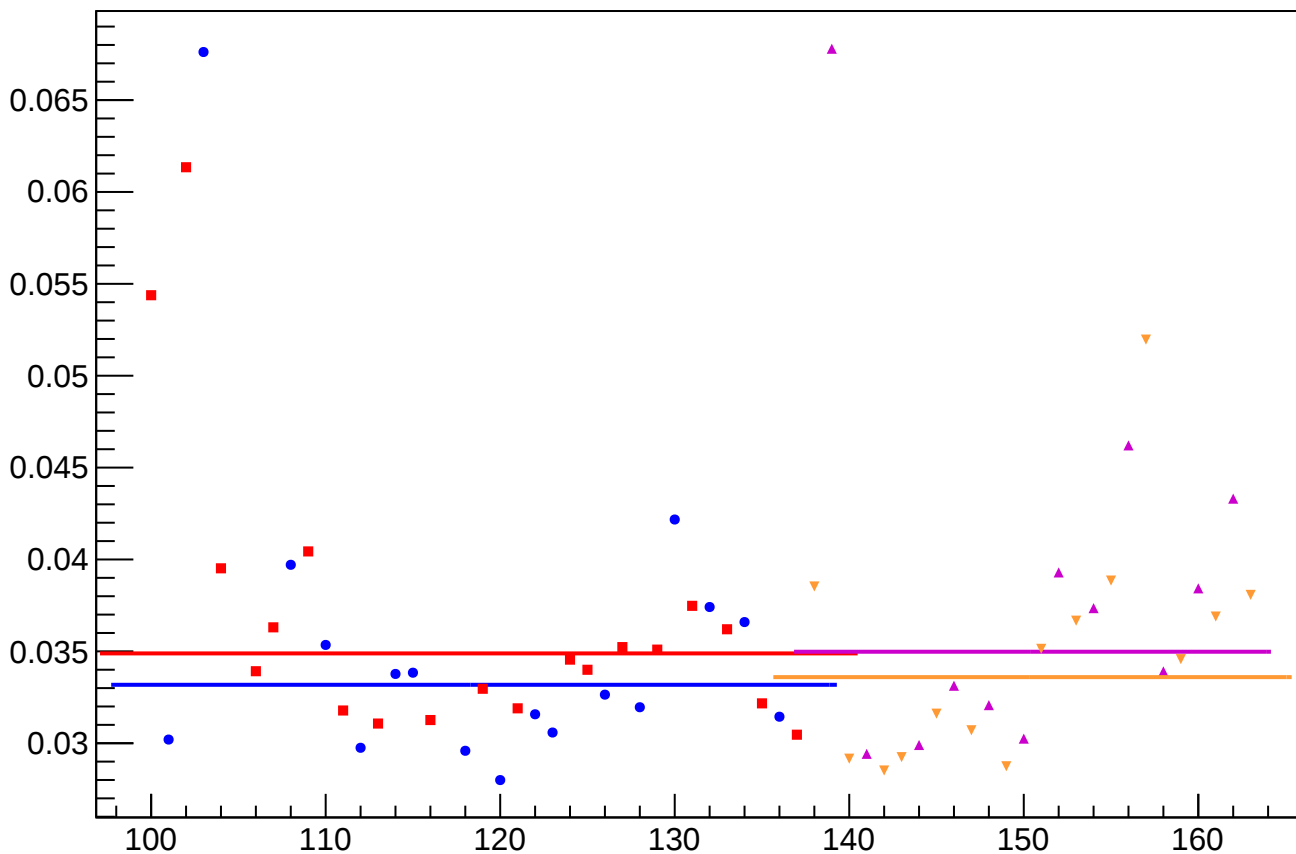
Right: -0.906+/-0.000 χ^2/NDF : 173170801.3/35

In: -1.162+/-0.000 χ^2/NDF : 1129791320.2/28

Out: -1.172+/-0.000 χ^2/NDF : 1113349889.7/32

All: -1.167+/-0.000 χ^2/NDF : 2243835886.1/6

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF : 400106.0/16

Left Out: 0.034+/-0.000 χ^2/NDF :374259.9/13

Right Out: 0.035+/-0.000 χ^2/NDF : 275013.9/18

Left In: 0.035+/-0.000 χ^2/NDF :645388.5/11

Left: 0.034+/-0.000 χ^2/NDF : 1033790.8/25

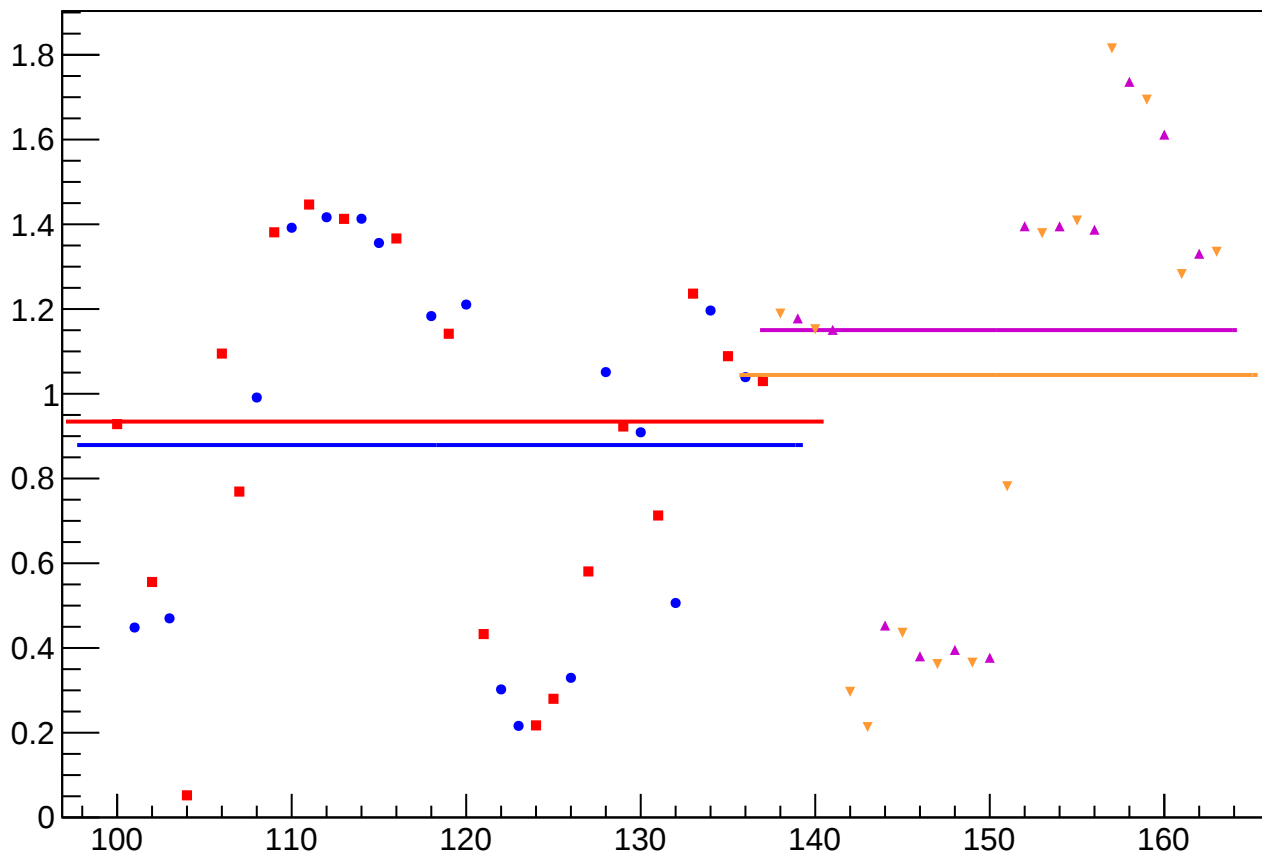
Right: 0.034+/-0.000 χ^2/NDF : 690186.6/35

In: 0.034+/-0.000 χ^2/NDF :1064883.6/28

Out: 0.034+/-0.000 χ^2/NDF :659576.4/32

All: 0.034+/-0.000 χ^2/NDF : 1724591.2/61

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.879+/-0.000

χ^2/NDF : 6371602566.2/16

Left: 1.096+/-0.000

χ^2/NDF : 51806928092.3/25

Left Out: 1.044+/-0.000

χ^2/NDF : 29405422837.6/13

Right: 0.908+/-0.000

χ^2/NDF : 16282606826.3/35

Right Out: 0.934+/-0.000

χ^2/NDF : 9827120184.9/18

In: 1.066+/-0.000

χ^2/NDF : 30766847247.3/28

Out: 1.010+/-0.000

χ^2/NDF : 39705243999.7/32

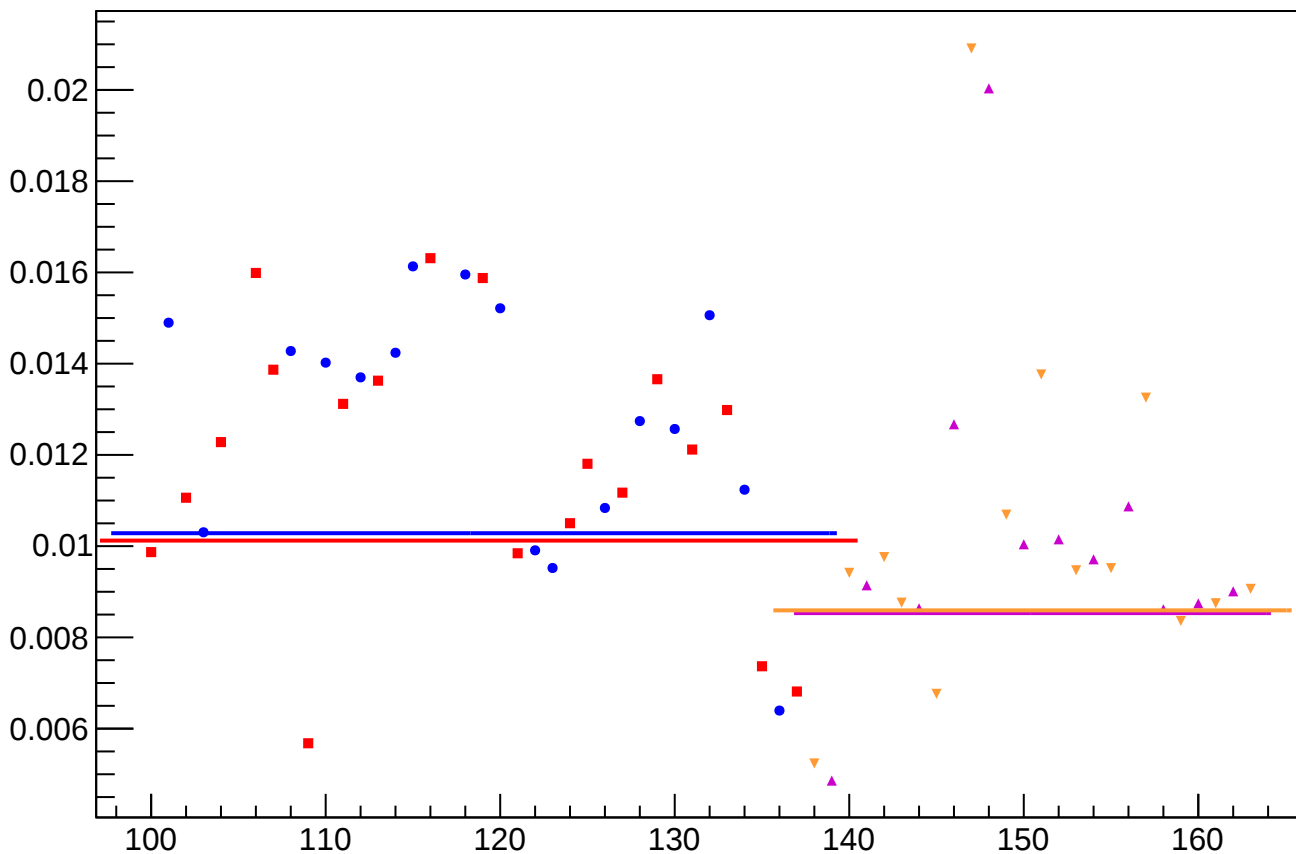
Left In: 1.150+/-0.000

χ^2/NDF : 21723202442.8/11

All: 1.037+/-0.000

χ^2/NDF : 70752711616.8/6

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF : 1207460.1/16

Left Out: 0.009+/-0.000 χ^2/NDF : 1657768.7/13

Right Out: 0.010+/-0.000 χ^2/NDF : 1176642.1/18

Left In: 0.009+/-0.000 χ^2/NDF : 1613889.6/11

Left: 0.009+/-0.000 χ^2/NDF : 3272096.2/25

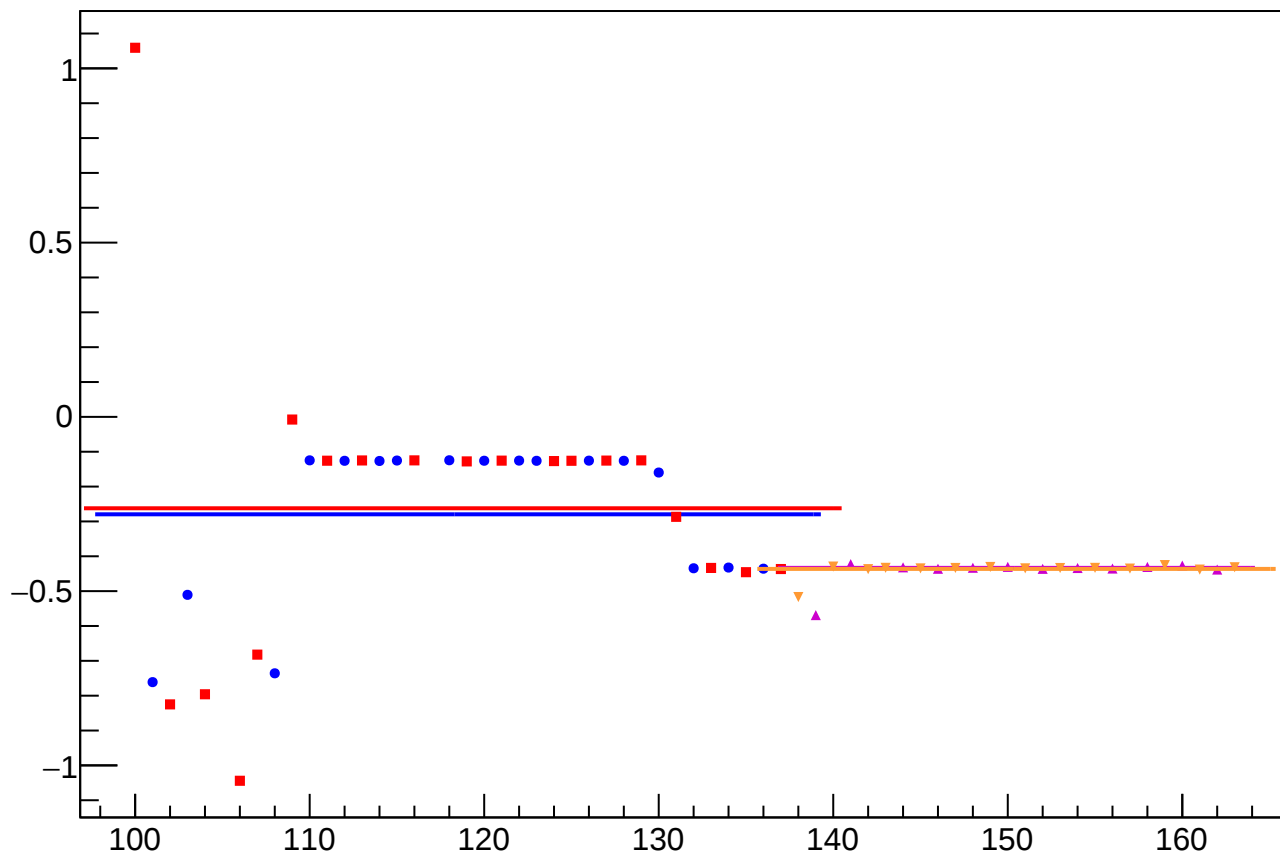
Right: 0.010+/-0.000 χ^2/NDF : 2385530.8/35

In: 0.009+/-0.000 χ^2/NDF : 3044023.8/28

Out: 0.009+/-0.000 χ^2/NDF : 3017254.0/32

All: 0.009+/-0.000 χ^2/NDF : 6061278.2/61

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.280 ± 0.000 χ^2/NDF : 929210245.5/16

Left Out: -0.436 ± 0.000 χ^2/NDF : 25617026.2/13

Right Out: -0.262 ± 0.000 χ^2/NDF : 1006263824.6/18

Left In: -0.433 ± 0.000 χ^2/NDF : 19514140.2/11

Left: -0.435 ± 0.000 χ^2/NDF : 45501609.3/25

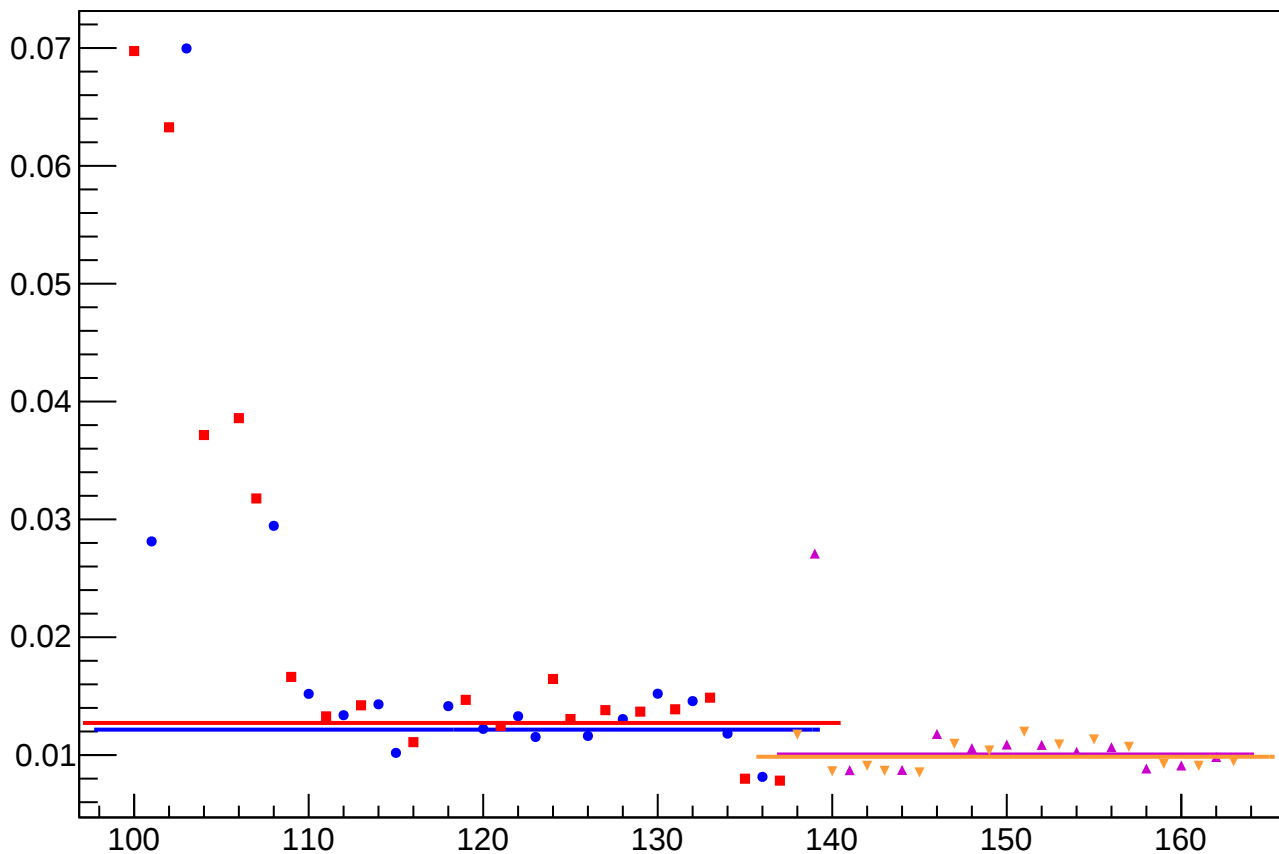
Right: -0.271 ± 0.000 χ^2/NDF : 1940066892.0/35

In: -0.389 ± 0.000 χ^2/NDF : 1480633946.9/28

Out: -0.393 ± 0.000 χ^2/NDF : 1708858512.2/32

All: -0.391 ± 0.000 χ^2/NDF : 3190053051.9/6

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 :225377.6/13

Right Out: 0.013+/-0.000 χ^2/NDF : 1967397.9/18

Left In: 0.010+/-0.000 χ^2/NDF :717229.4/11

Left: 0.010+/-0.000 χ^2/NDF : 945724.0/25

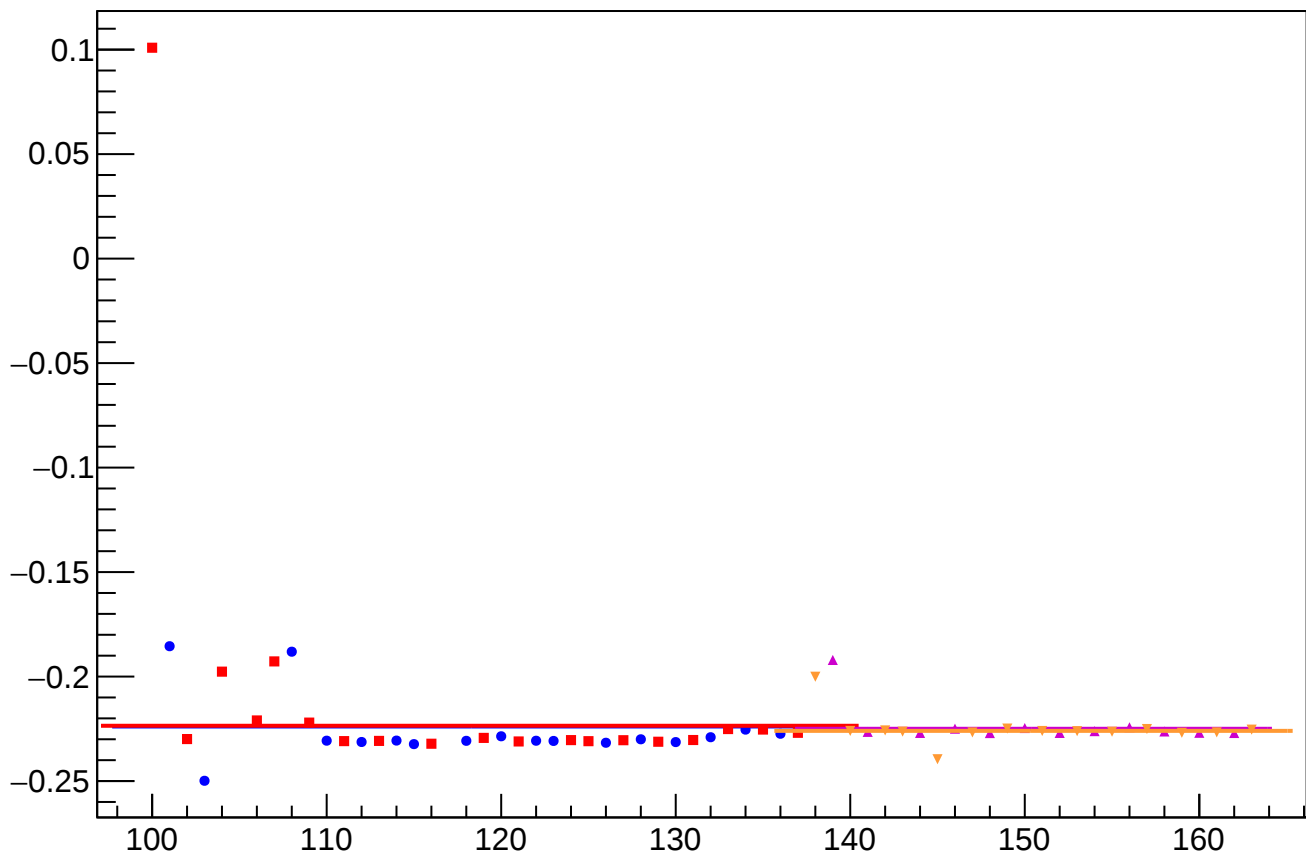
Right: 0.012+/-0.000 χ^2/NDF : 3700041.2/35

In: 0.011+/-0.000 χ^2/NDF :2640271.8/28

Out: 0.011+/-0.000 χ^2/NDF :2560957.4/32

All: 0.011+/-0.000 χ^2/NDF : 5201858.8/61

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 : 20585400.1/13

Right Out: -0.224+/-0.000 χ^2/NDF : 168124199.3/18

Left In: -0.225+/-0.000 χ^2/NDF : 12744472.9/11

Left: -0.226+/-0.000 χ^2/NDF : 33502910.4/25

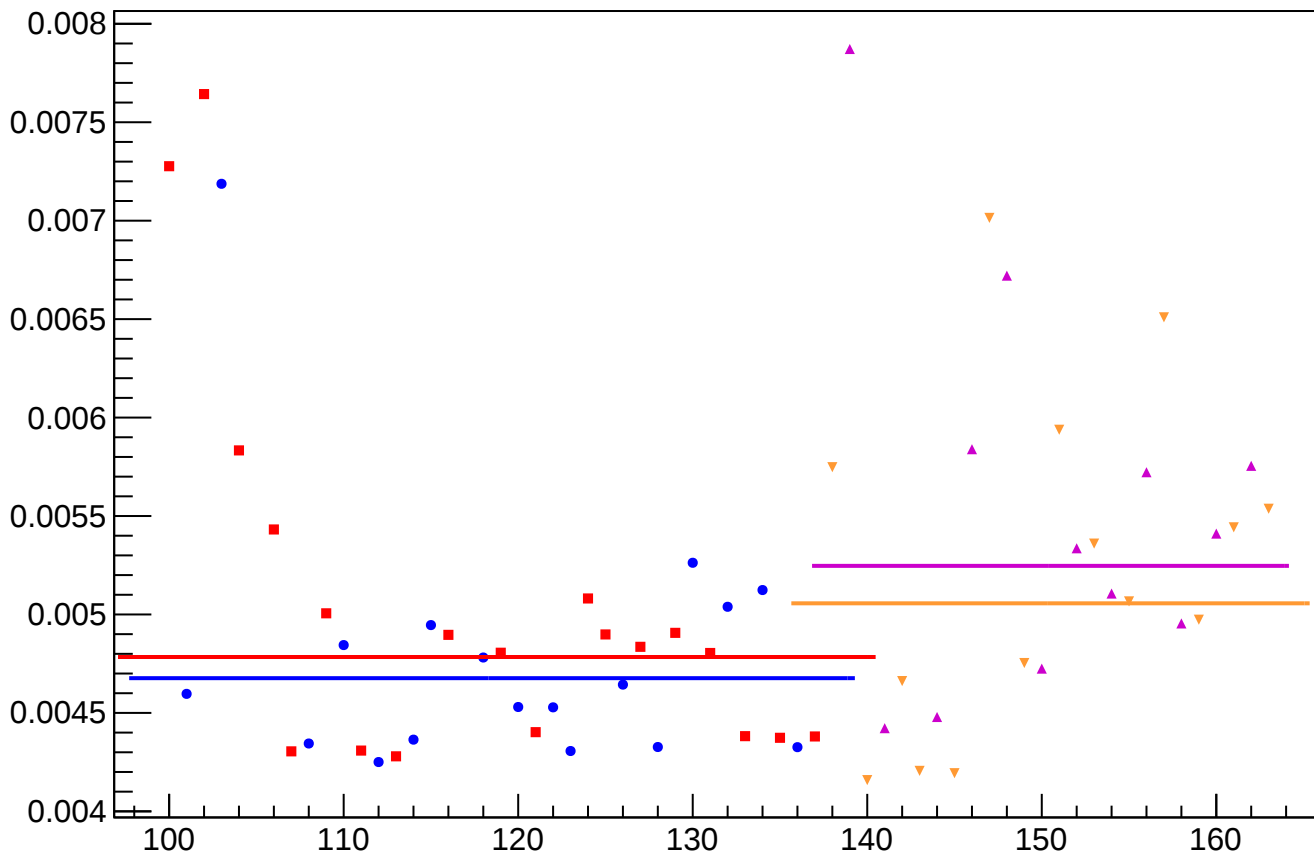
Right: -0.224+/-0.000 χ^2/NDF : 242740169.2/35

In: -0.224+/-0.000 χ^2/NDF : 87527088.1/28

Out: -0.225+/-0.000 χ^2/NDF : 189662933.4/32

All: -0.225+/-0.000 χ^2/NDF : 277256375.1/61

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 : 446728.9/13

Right Out: 0.005+/-0.000 χ^2/NDF : 248269.2/18

Left In: 0.005+/-0.000 χ^2/NDF : 391554.4/11

Left: 0.005+/-0.000 χ^2/NDF : 851015.1/25

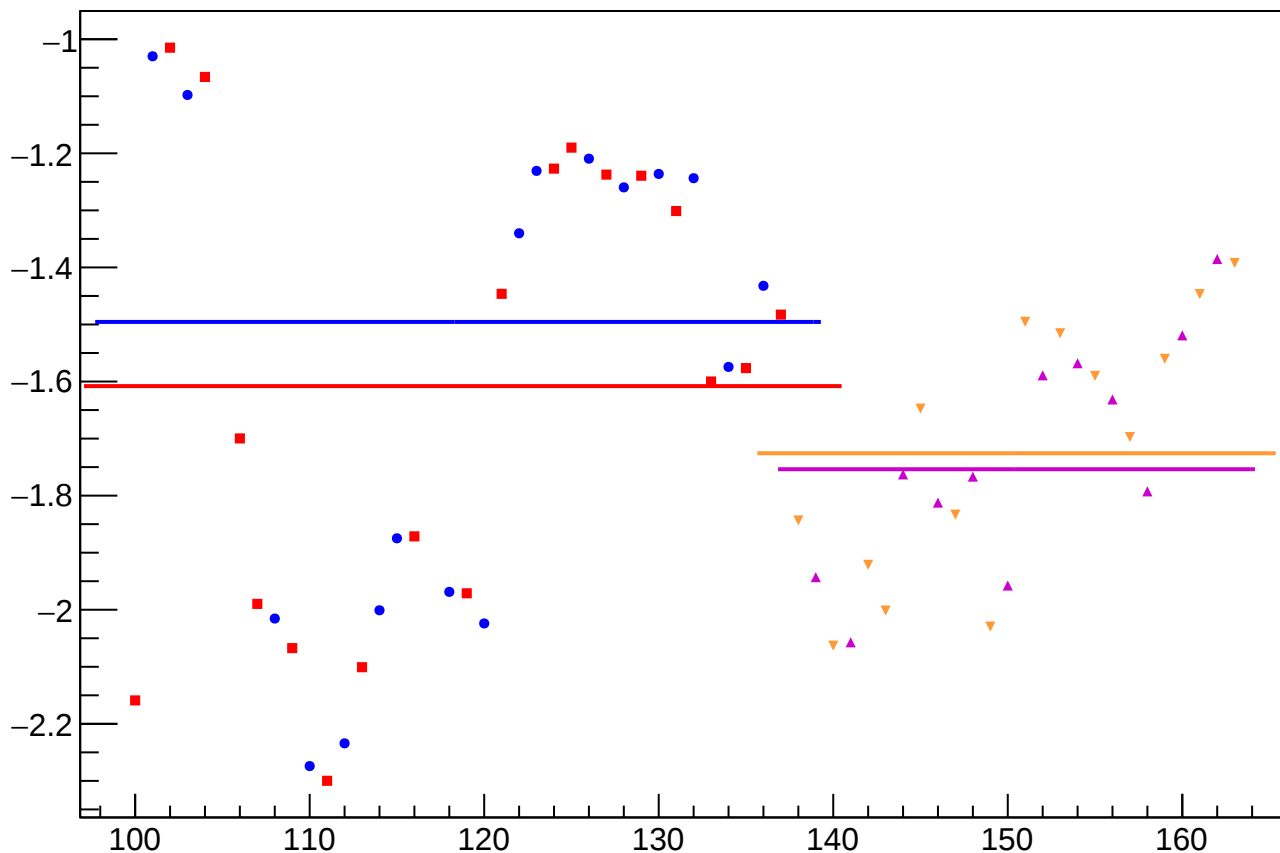
Right: 0.005+/-0.000 χ^2/NDF : 432242.2/35

In: 0.005+/-0.000 χ^2/NDF : 669502.6/28

Out: 0.005+/-0.000 χ^2/NDF : 718865.5/32

All: 0.005+/-0.000 χ^2/NDF : 1389752.8/61

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496+/-0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.726+/-0.000 χ^2/NDF : 13307563083.7/13

Right Out: -1.608+/-0.000 χ^2/NDF : 27852841950.3/18

Left In: -1.754+/-0.000 χ^2/NDF : 8771009255.3/11

Left: -1.739+/-0.000 χ^2/NDF : 22175454848.4/25

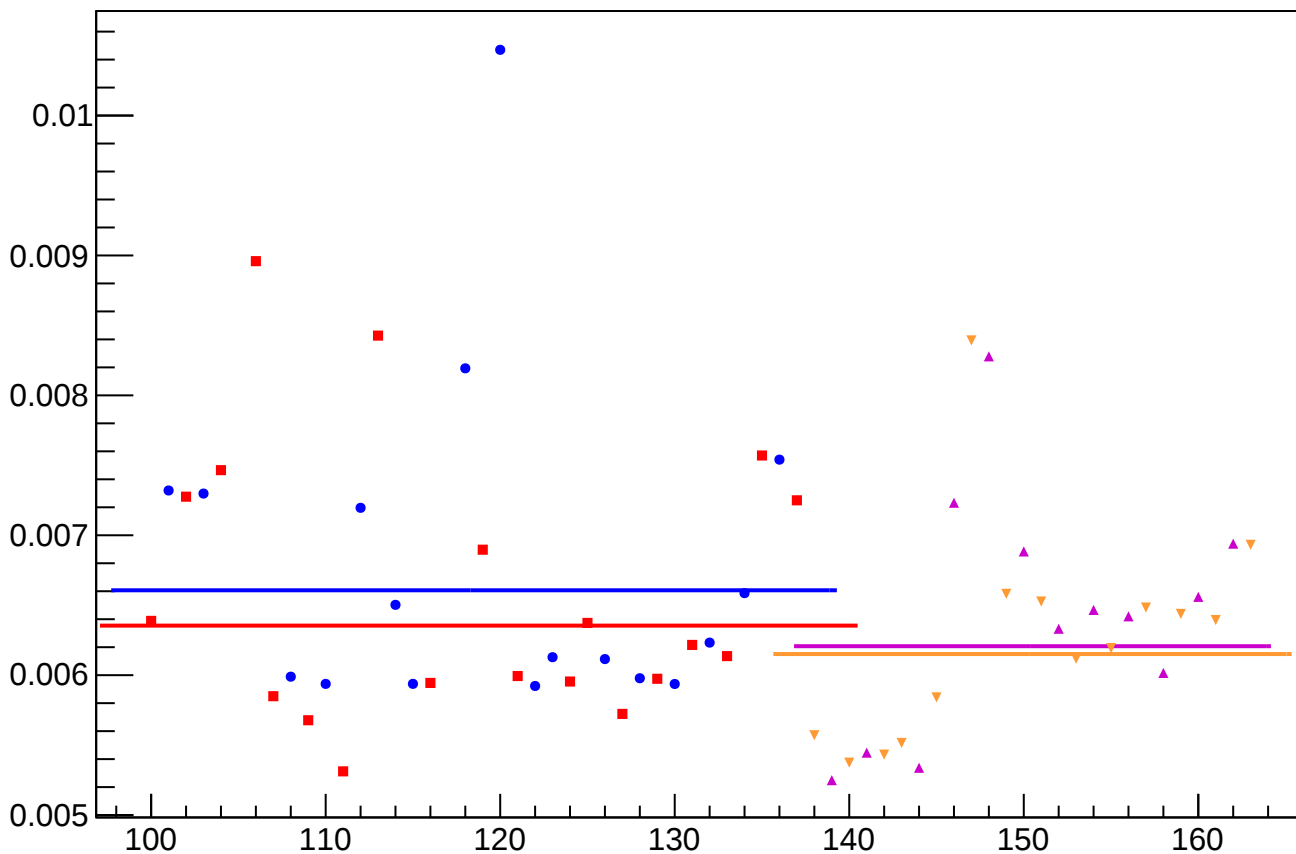
Right: -1.556+/-0.000 χ^2/NDF : 51308404748.0/35

In: -1.658+/-0.000 χ^2/NDF : 37086860158.4/28

Out: -1.680+/-0.000 χ^2/NDF : 42551082252.4/32

All: -1.670+/-0.000 χ^2/NDF : 79742082569.6/71

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 :222848.5/13

Right Out: 0.006+/-0.000 χ^2/NDF : 227287.9/18

Left In: 0.006+/-0.000 χ^2/NDF :283149.8/11

Left: 0.006+/-0.000 χ^2/NDF : 506773.9/25

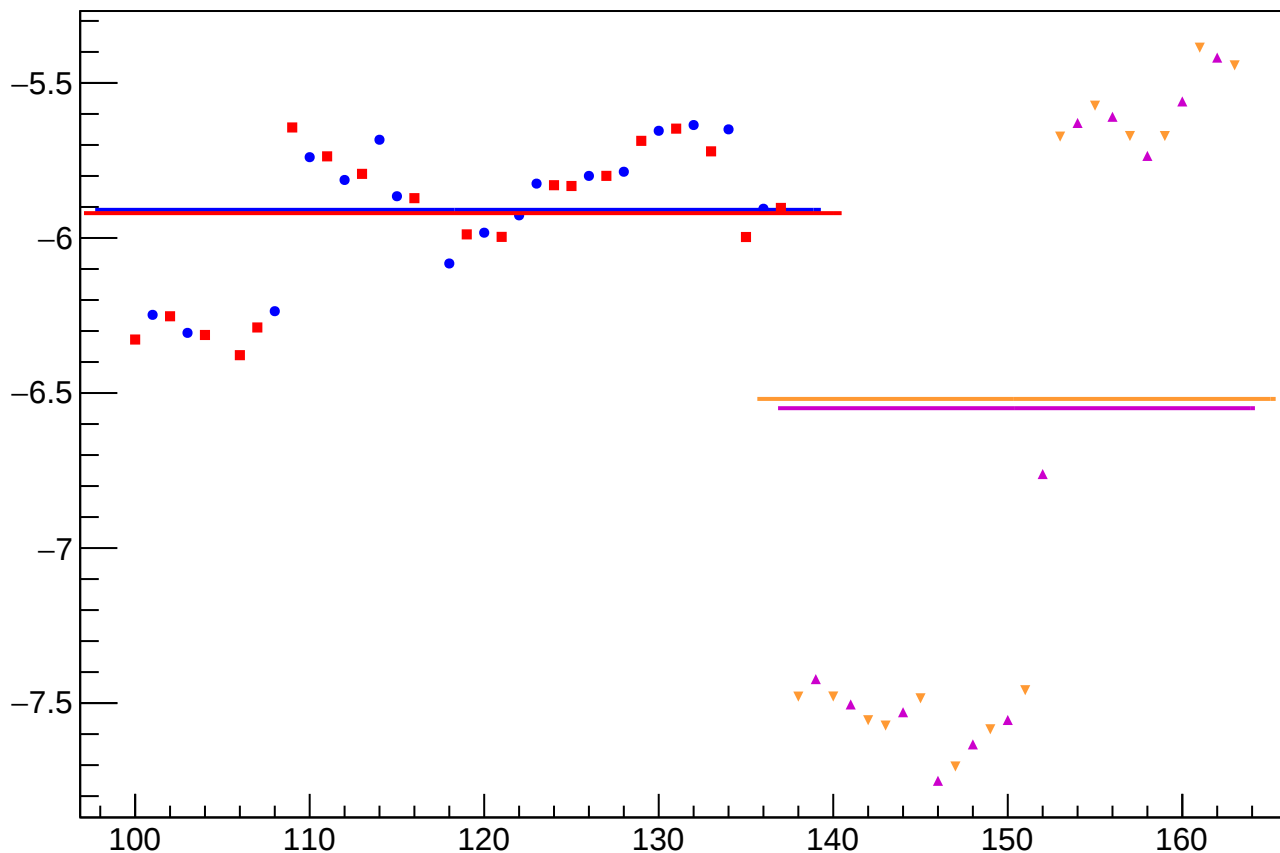
Right: 0.006+/-0.000 χ^2/NDF : 438183.3/35

In: 0.006+/-0.000 χ^2/NDF :512320.6/28

Out: 0.006+/-0.000 χ^2/NDF :458427.8/32

All: 0.006+/-0.000 χ^2/NDF : 977131.6/61

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -6.519+/-0.000 χ^2/NDF : 137072606853.4/13

Right Out: -5.920+/-0.000 χ^2/NDF : 12785272526.6/18

Left In: -6.549+/-0.000 χ^2/NDF : 110562581777.4/11

Left: -6.533+/-0.000 χ^2/NDF : 247695124244.2/25

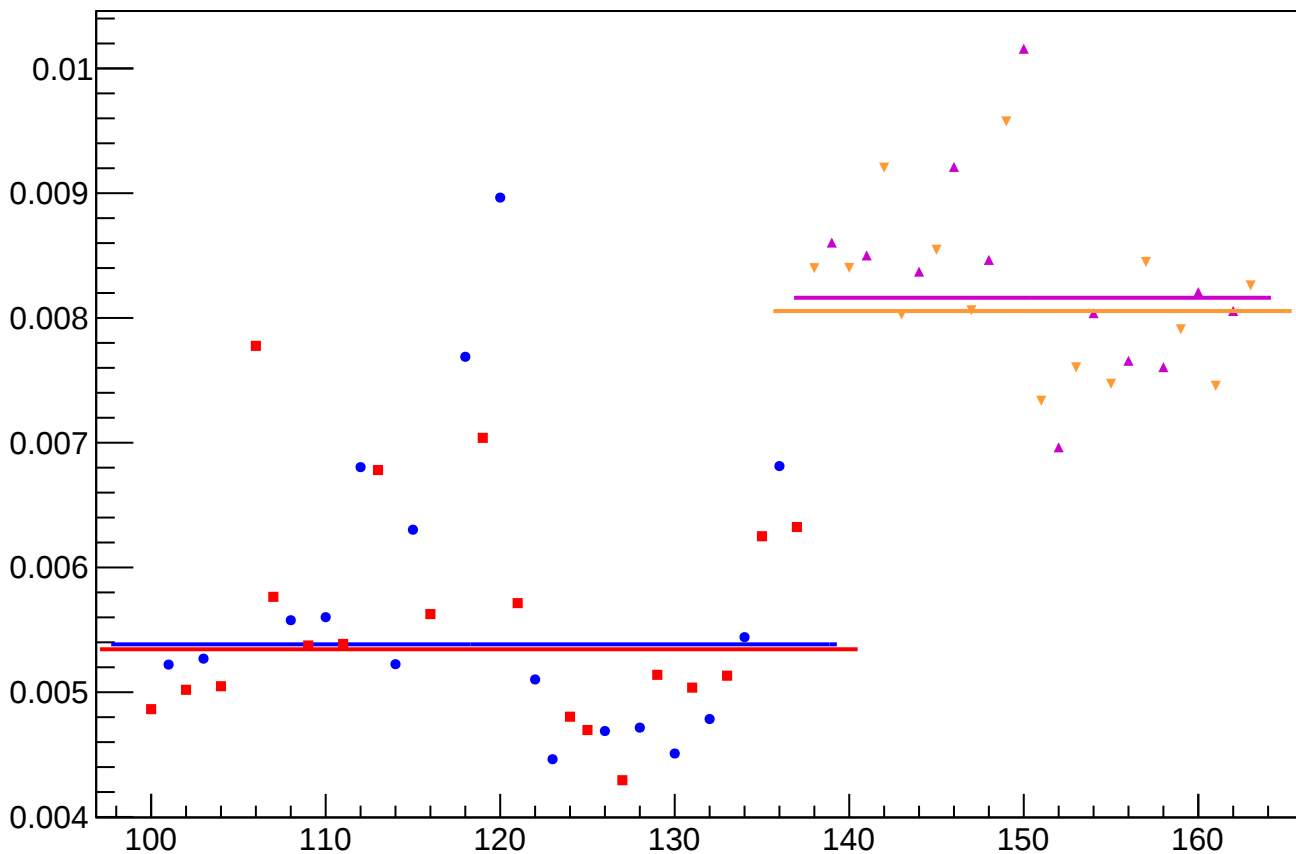
Right: -5.915+/-0.000 χ^2/NDF : 23922455242.5/35

In: -6.157+/-0.000 χ^2/NDF : 153793717192.0/28

Out: -6.151+/-0.000 χ^2/NDF : 180728851540.5/32

All: -6.154+/-0.000 χ^2/NDF : 334529662436.8

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 347627.8/16

Left Out: 0.008+/-0.000 χ^2/NDF :94320.9/13

Right Out: 0.005+/-0.000 χ^2/NDF : 244700.0/18

Left In: 0.008+/-0.000 χ^2/NDF :139775.8/11

Left: 0.008+/-0.000 χ^2/NDF : 235607.1/25

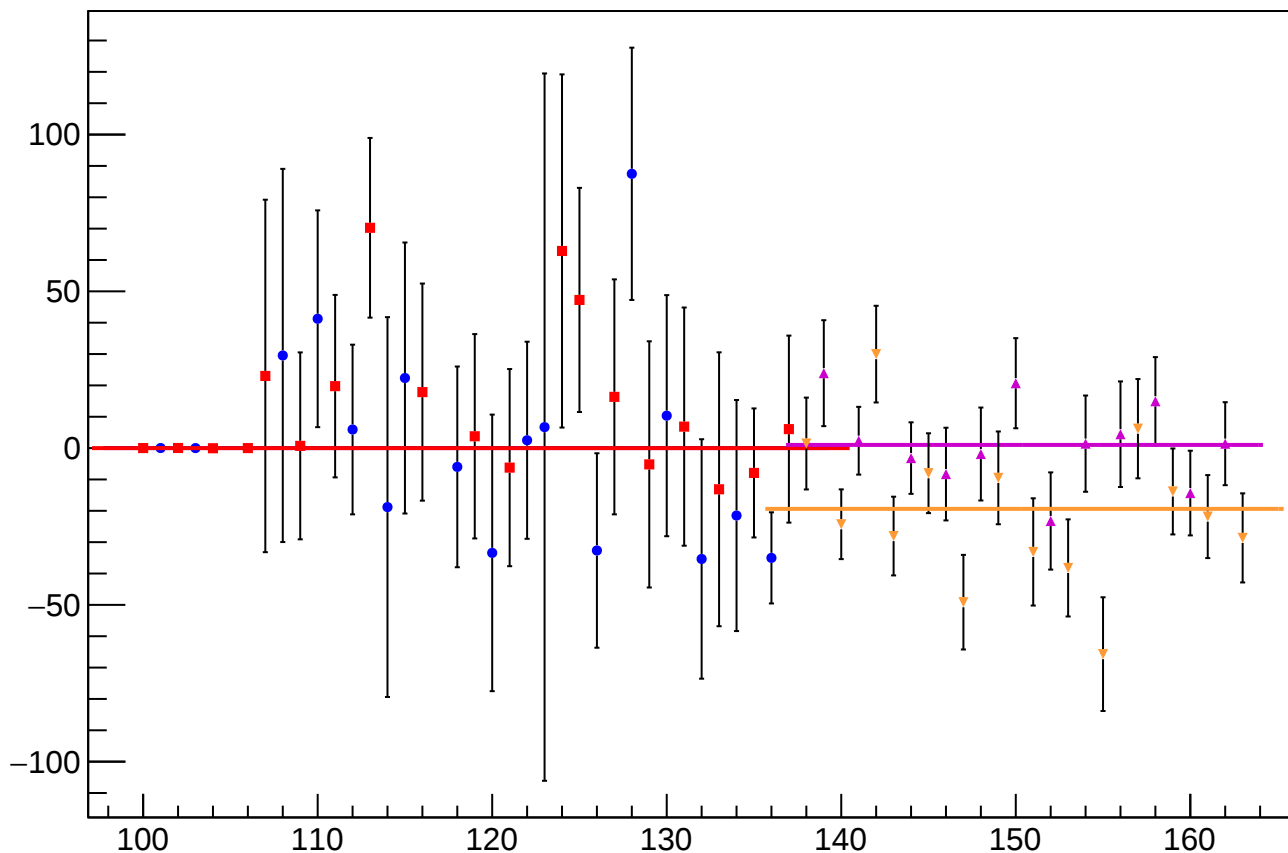
Right: 0.005+/-0.000 χ^2/NDF : 592657.5/35

In: 0.006+/-0.000 χ^2/NDF :1698492.5/28

Out: 0.006+/-0.000 χ^2/NDF :1603516.4/32

All: 0.006+/-0.000 χ^2/NDF : 3303766.0/61

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.013 ± 0.017 χ^2/NDF : 15.8/16

Left Out: -19.378 ± 3.806 χ^2/NDF : 30.0/13

Right Out: -0.003 ± 0.016 χ^2/NDF : 15.3/18

Left In: 1.016 ± 4.019 χ^2/NDF : 9.1/11

Left: -9.736 ± 2.764 χ^2/NDF : 52.6/25

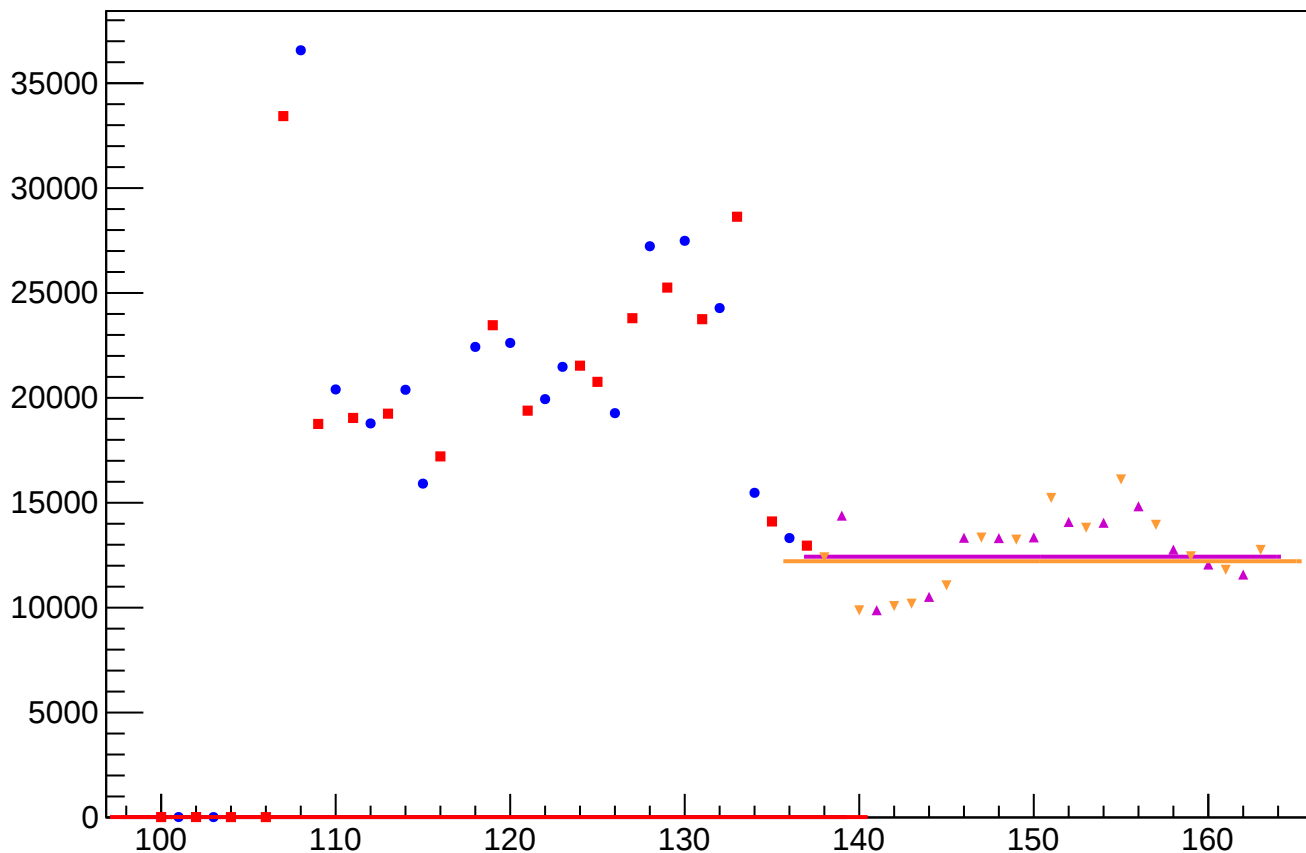
Right: 0.004 ± 0.012 χ^2/NDF : 31.6/35

In: 0.013 ± 0.017 χ^2/NDF : 24.9/28

Out: -0.004 ± 0.016 χ^2/NDF : 71.2/32

All: 0.004 ± 0.012 χ^2/NDF : 96.6/61

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 18.641+/-0.012 χ^2/NDF : 10841561.4/16

Left Out: 12213.168+/-2.691 χ^2/NDF : 421901.1/13

Right Out: 18.311+/-0.011 χ^2/NDF : 11103320.8/18

Left In: 12429.236+/-2.842 χ^2/NDF : 314140.5/11

Left: 12315.323+/-1.954 χ^2/NDF : 739088.6/25

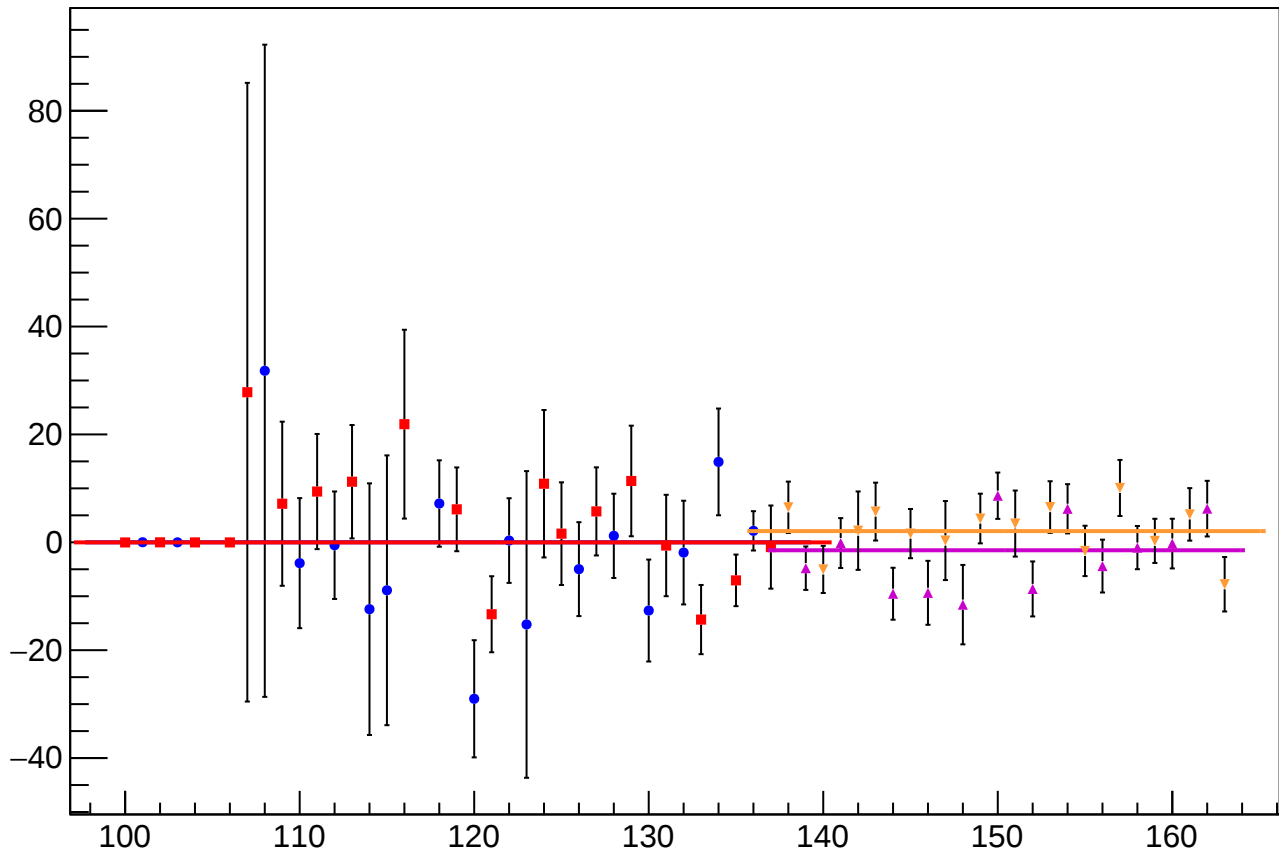
Right: 18.464+/-0.008 χ^2/NDF : 21945270.7/35

In: 18.872+/-0.012 χ^2/NDF : 30223084.5/28

Out: 18.529+/-0.011 χ^2/NDF : 32054409.7/32

All: 18.687+/-0.008 χ^2/NDF : 62277914.9/61

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.009 χ^2/NDF : 14.9/16

Left Out: 2.076 $\pm$ 1.339 χ^2/NDF :12.6/13

Right Out: -0.014 $\pm$ 0.009 χ^2/NDF : 18.4/18

Left In: -1.477 $\pm$ 1.376 χ^2/NDF :20.3/11

Left: 0.348 $\pm$ 0.960 χ^2/NDF : 36.3/25

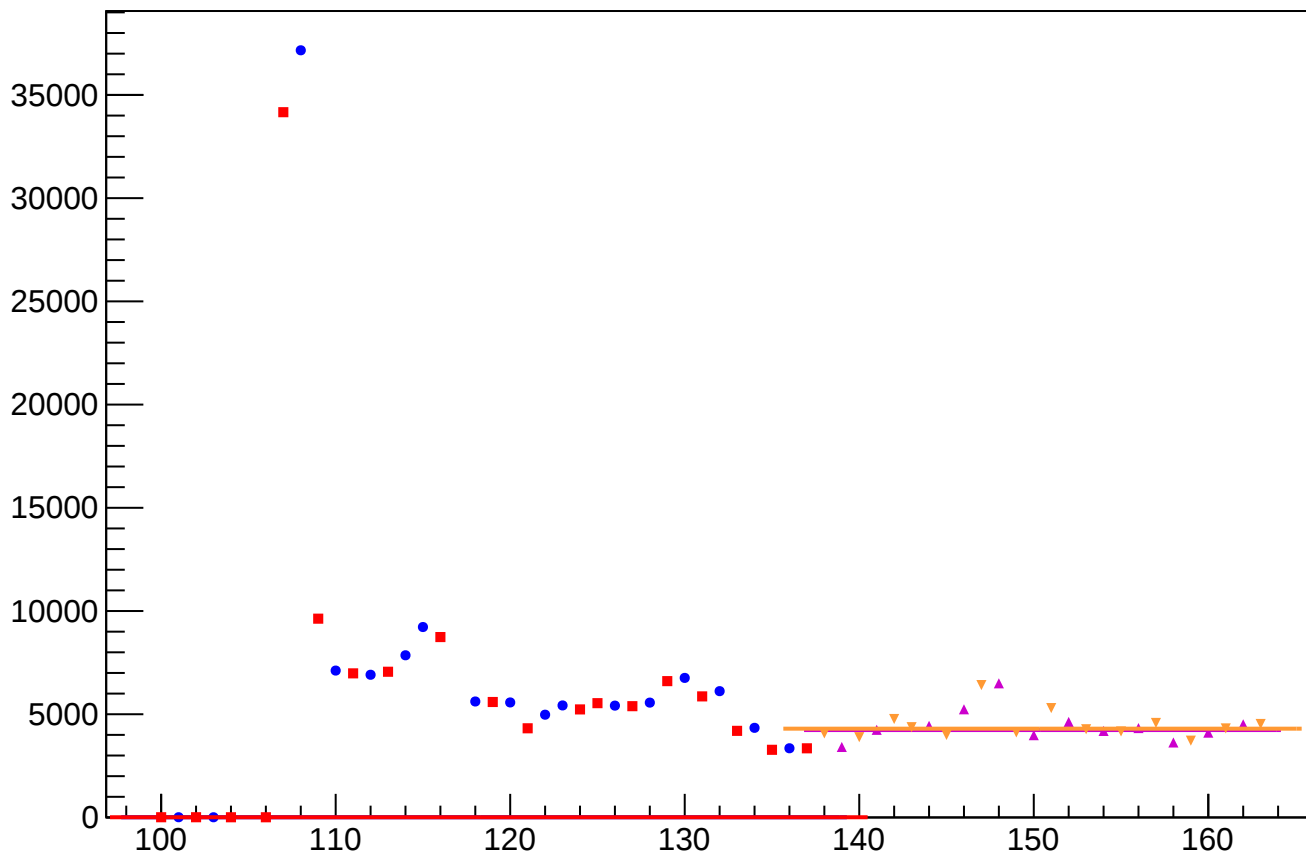
Right: -0.007 $\pm$ 0.006 χ^2/NDF : 34.7/35

In: 0.001 $\pm$ 0.009 χ^2/NDF :36.3/28

Out: -0.014 $\pm$ 0.009 χ^2/NDF :33.4/32

All: -0.007 $\pm$ 0.006 χ^2/NDF : 71.1/61

diff_cav4bY_rms vs Slug, Sign Corrected



Right In: 9.938+/-0.007 χ^2/NDF : 10973577.1/16

Left Out: 4300.967+/-0.946 χ^2/NDF : 314153.3/13

Right Out: 9.854+/-0.006 χ^2/NDF : 11152667.7/18

Left In: 4233.913+/-0.973 χ^2/NDF : 405058.2/11

Left: 4268.369+/-0.678 χ^2/NDF : 721651.5/25

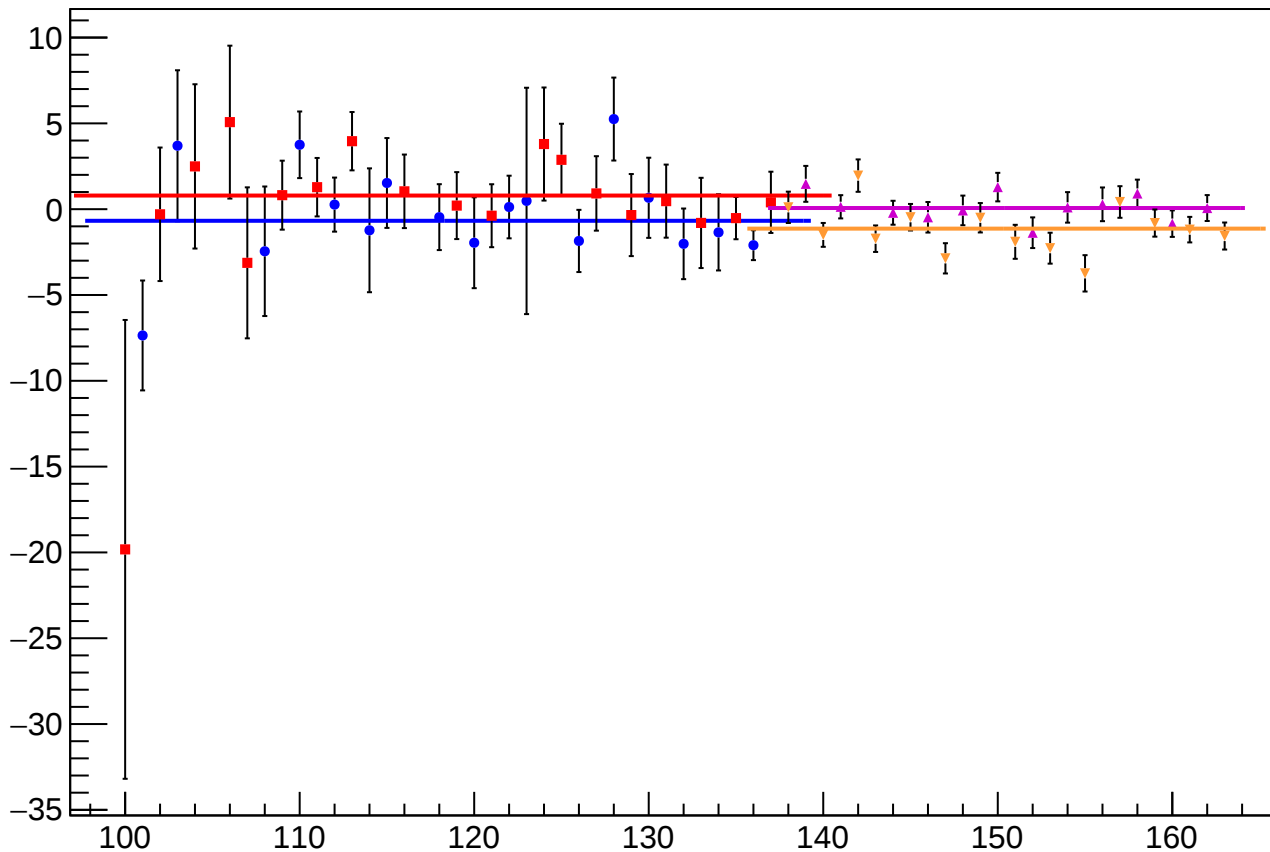
Right: 9.894+/-0.004 χ^2/NDF : 22126332.7/35

In: 10.127+/-0.007 χ^2/NDF : 30220147.7/28

Out: 10.033+/-0.006 χ^2/NDF : 32020333.8/32

All: 10.077+/-0.004 χ^2/NDF : 62240590.8/61

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.677 $\pm$ 0.484 χ^2/NDF : 22.3/16

Left Out: -1.133 $\pm$ 0.225 χ^2/NDF : 30.1/13

Right Out: 0.795 $\pm$ 0.501 χ^2/NDF : 12.0/18

Left In: 0.068 $\pm$ 0.238 χ^2/NDF : 9.7/11

Left: -0.565 $\pm$ 0.163 χ^2/NDF : 53.2/25

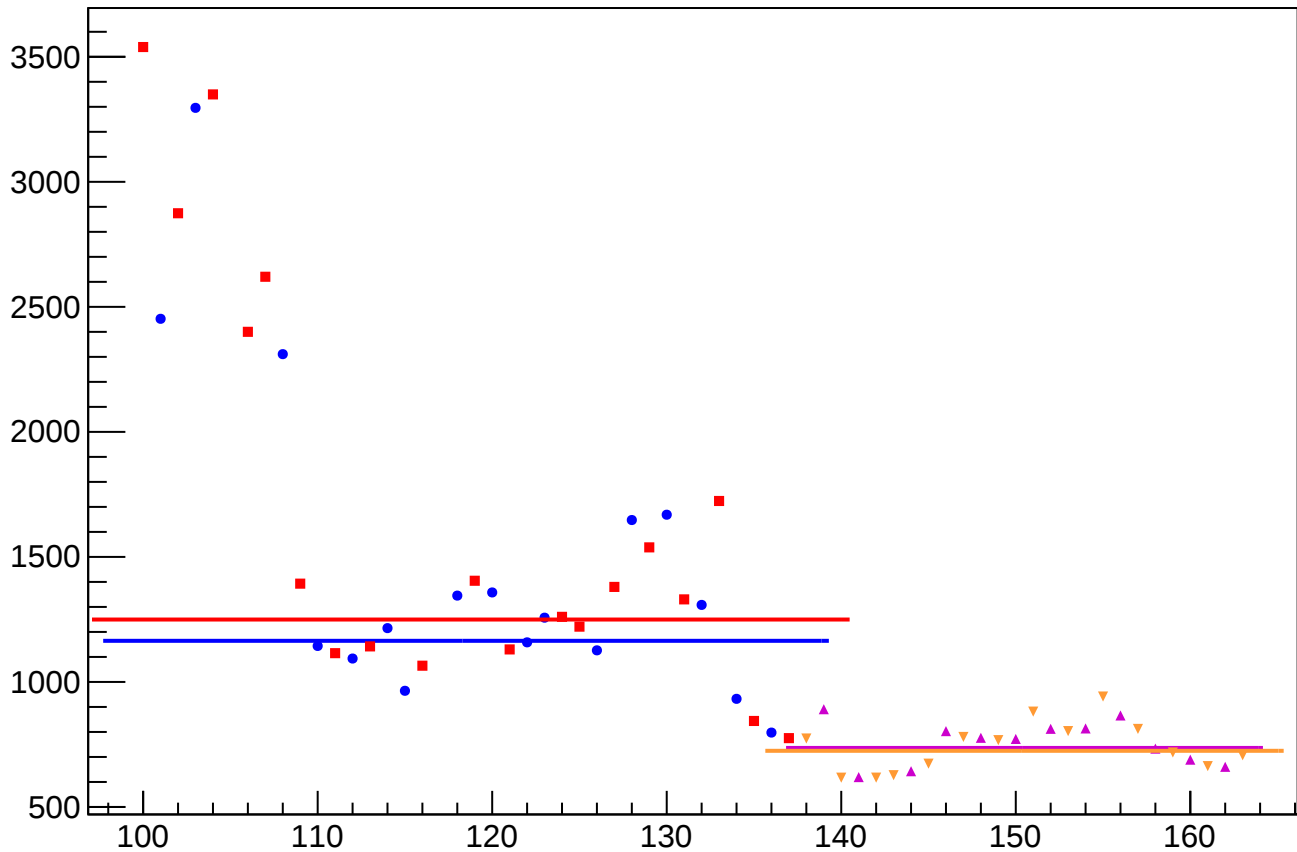
Right: 0.033 $\pm$ 0.348 χ^2/NDF : 38.7/35

In: -0.076 $\pm$ 0.213 χ^2/NDF : 33.8/28

Out: -0.809 $\pm$ 0.205 χ^2/NDF : 54.4/32

All: -0.457 $\pm$ 0.148 χ^2/NDF : 94.4/61

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1164.459 $\pm$ 0.342 χ^2 /NDF: 1584212.9/16

Left Out: 724.604 $\pm$ 0.159 χ^2 /NDF: 315098.2/13

Right Out: 1249.596 $\pm$ 0.354 χ^2 /NDF: 1650133.1/18

Left In: 736.107 $\pm$ 0.168 χ^2 /NDF: 250719.3/11

Left: 730.047 $\pm$ 0.116 χ^2 /NDF: 568288.1/25

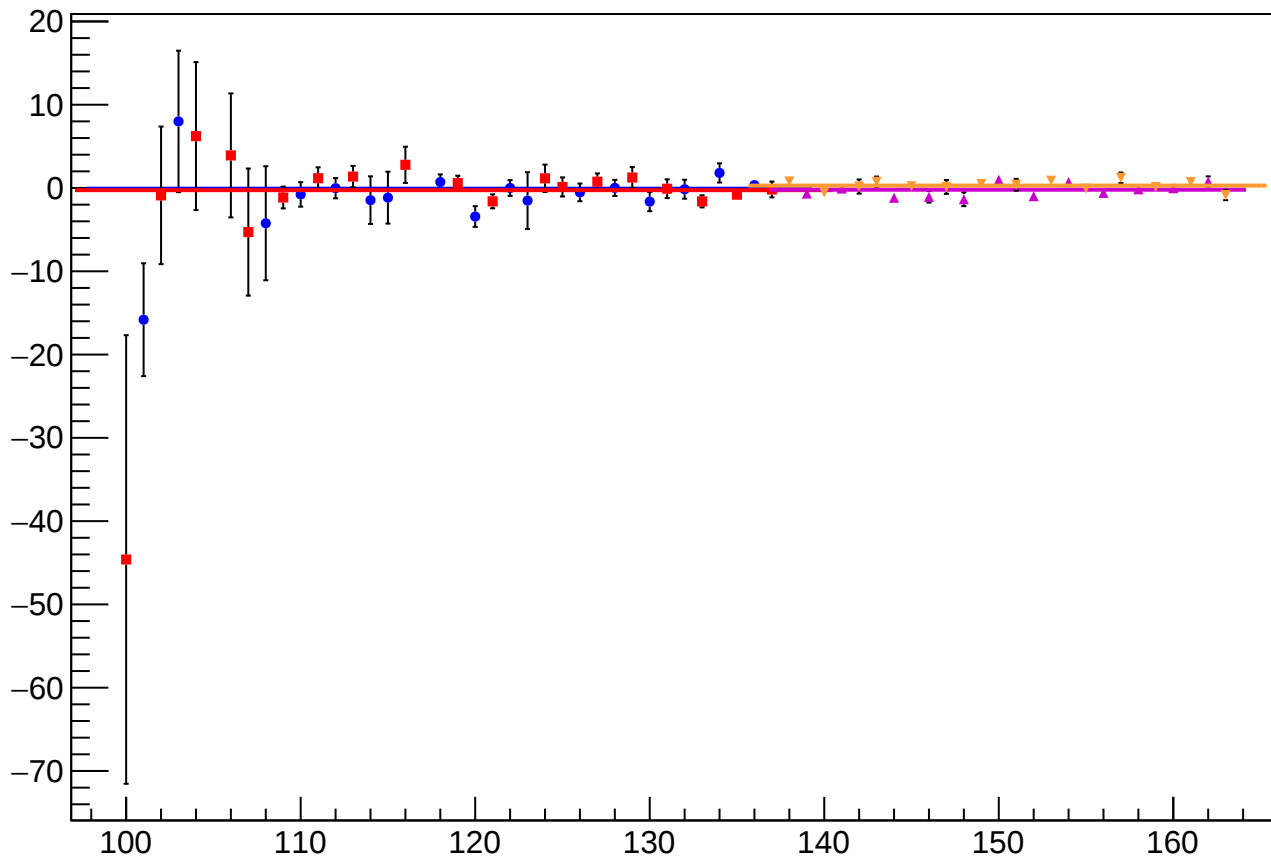
Right: 1205.546 $\pm$ 0.246 χ^2 /NDF: 3264193.7/35

In: 819.229 $\pm$ 0.151 χ^2 /NDF: 3096765.9/28

Out: 812.725 $\pm$ 0.145 χ^2 /NDF: 3790621.3/32

All: 815.854 $\pm$ 0.105 χ^2 /NDF: 6888352.2/61

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

Left Out: 0.290 ± 0.160 χ^2/NDF : 11.8/13

Right Out: -0.259 ± 0.264 χ^2/NDF : 20.4/18

Left In: -0.207 ± 0.166 χ^2/NDF : 20.2/11

Left: 0.050 ± 0.115 χ^2/NDF : 36.6/25

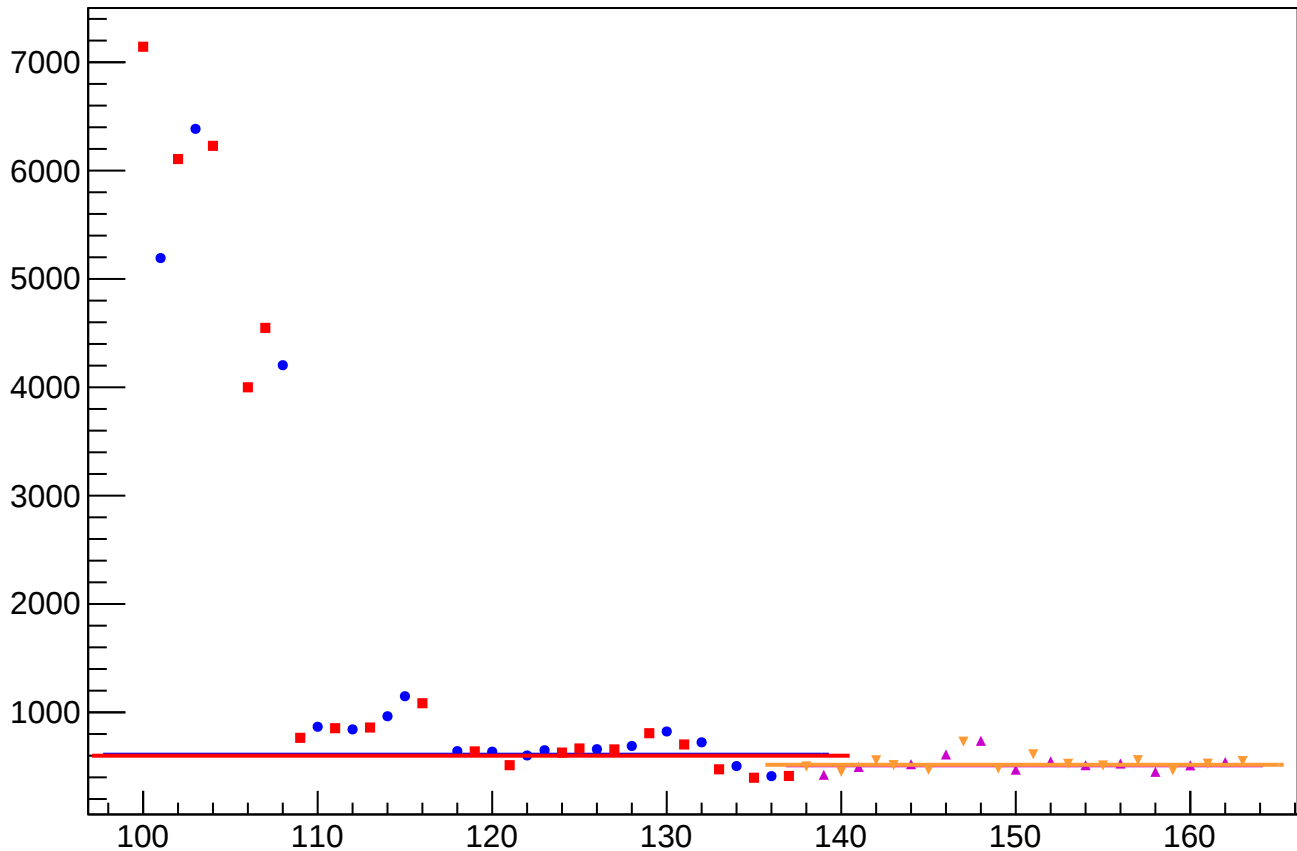
Right: -0.174 ± 0.189 χ^2/NDF : 41.7/35

In: -0.174 ± 0.141 χ^2/NDF : 41.4/28

Out: 0.142 ± 0.137 χ^2/NDF : 35.4/32

All: -0.011 ± 0.098 χ^2/NDF : 79.4/61

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 609.016+/-0.191 χ^2/NDF : 3139231.5/16

Left Out: 516.086+/-0.113 χ^2/NDF : 269501.4/13

Right Out: 599.910+/-0.187 χ^2/NDF : 3547599.8/18

Left In: 511.148+/-0.117 χ^2/NDF : 308391.0/11

Left: 513.697+/-0.081 χ^2/NDF : 578810.0/25

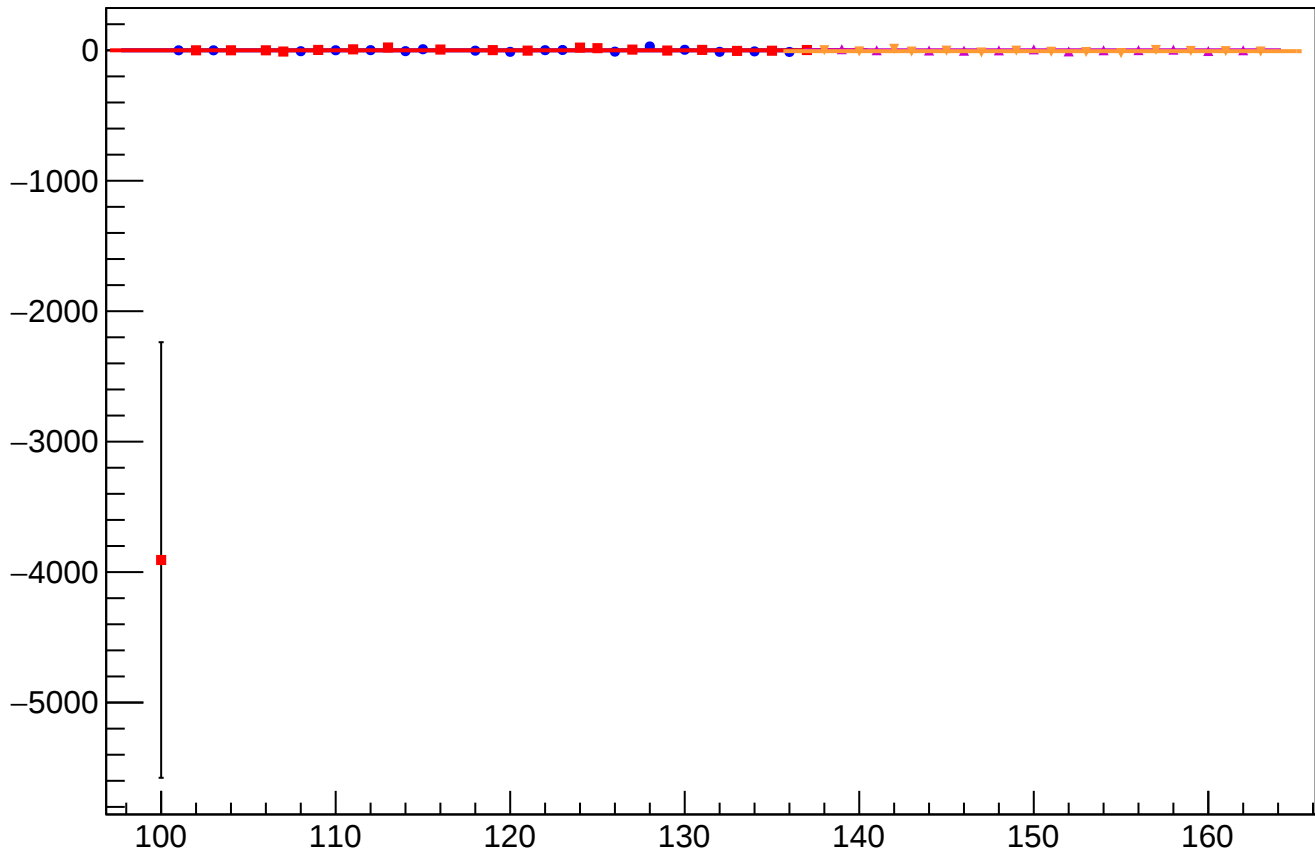
Right: 604.364+/-0.134 χ^2/NDF : 6687992.0/35

In: 537.889+/-0.100 χ^2/NDF : 3638380.6/28

Out: 538.630+/-0.097 χ^2/NDF : 3964131.7/32

All: 538.270+/-0.070 χ^2/NDF : 7602540.6/61

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022 $\pm$ 0.021 χ^2 /NDF: 15.3/16

Left Out: -6.532 $\pm$ 1.311 χ^2 /NDF:30.2/13

Right Out: 0.027 $\pm$ 0.020 χ^2 /NDF: 17.3/18

Left In: 0.368 $\pm$ 1.386 χ^2 /NDF:9.6/11

Left: -3.274 $\pm$ 0.953 χ^2 /NDF: 52.8/25

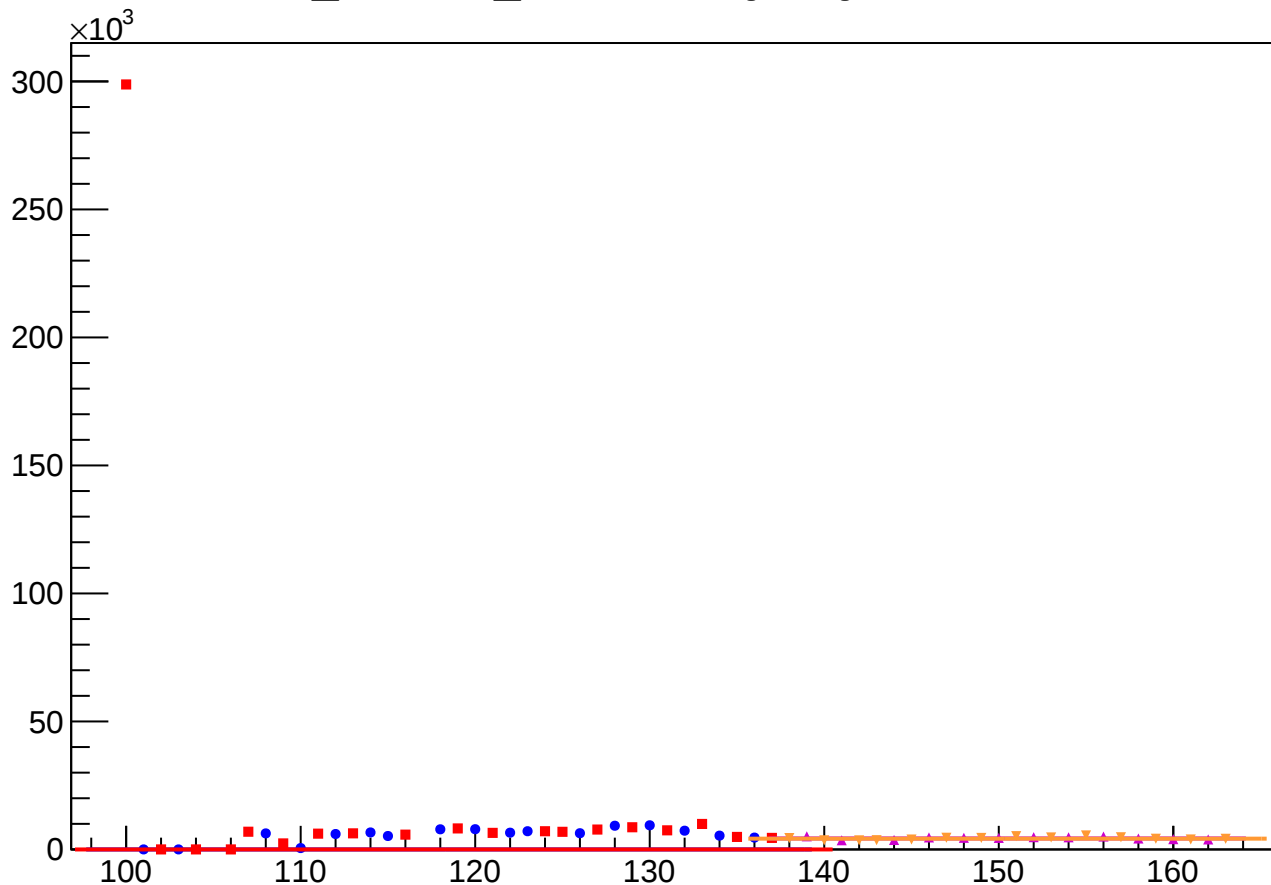
Right: 0.004 $\pm$ 0.014 χ^2 /NDF: 35.4/35

In: -0.022 $\pm$ 0.021 χ^2 /NDF:24.9/28

Out: 0.025 $\pm$ 0.020 χ^2 /NDF:72.4/32

All: 0.003 $\pm$ 0.014 χ^2 /NDF: 100.0/61

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 17.337 $\pm$ 0.015 χ^2/NDF : 10359409.4/16

Left Out: 4218.409 $\pm$ 0.927 χ^2/NDF : 333678.5/13

Right Out: 17.268 $\pm$ 0.014 χ^2/NDF : 10813350.8/18

Left In: 4294.859 $\pm$ 0.980 χ^2/NDF : 256179.6/11

Left: 4254.513 $\pm$ 0.674 χ^2/NDF : 593068.1/25

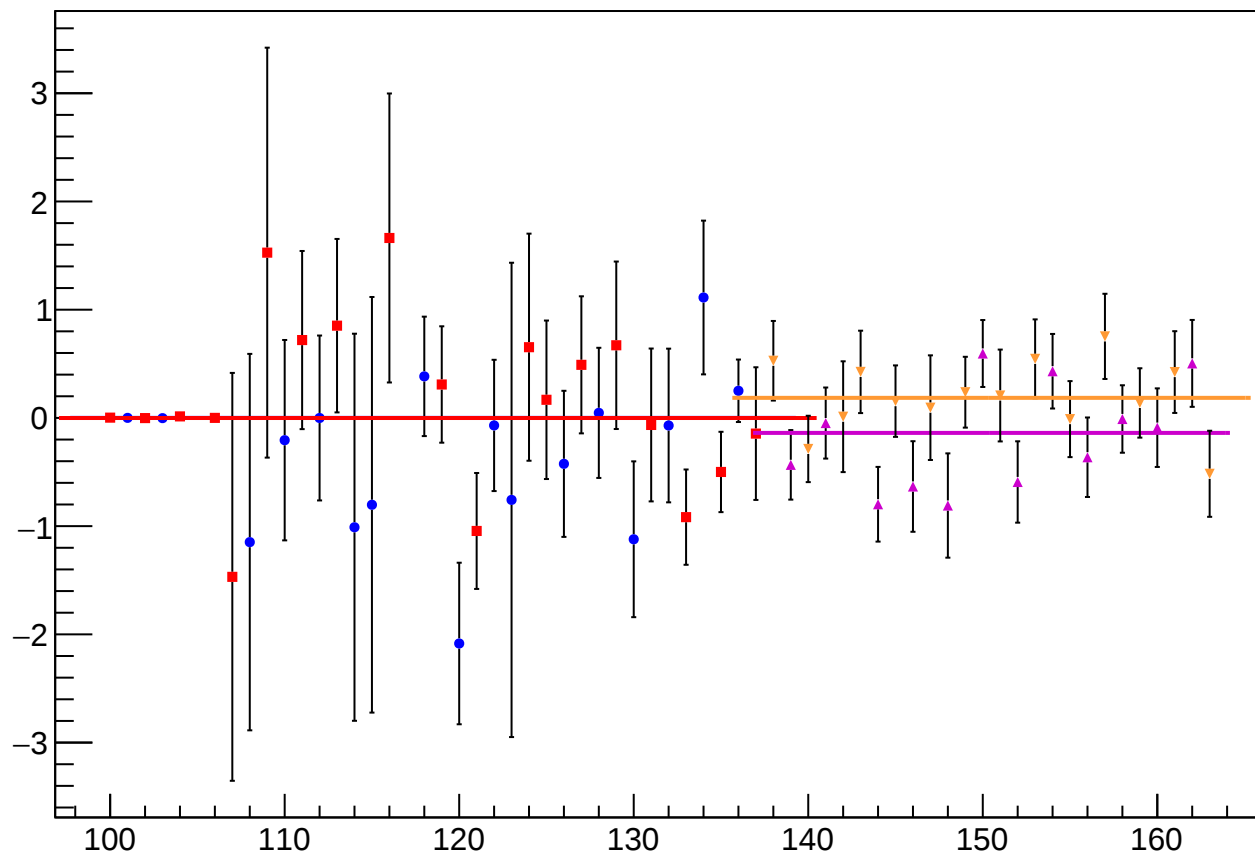
Right: 17.301 $\pm$ 0.010 χ^2/NDF : 21172771.7/35

In: 18.299 $\pm$ 0.015 χ^2/NDF : 29653682.1/28

Out: 18.223 $\pm$ 0.014 χ^2/NDF : 31668613.9/32

All: 18.259 $\pm$ 0.010 χ^2/NDF : 61322309.8/61

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.002 χ^2/NDF : 15.6/16

Left Out: 0.185 $\pm$ 0.099 χ^2/NDF :10.7/13

Right Out: -0.001 $\pm$ 0.002 χ^2/NDF : 17.8/18

Left In: -0.138 $\pm$ 0.103 χ^2/NDF :20.8/11

Left: 0.030 $\pm$ 0.071 χ^2/NDF : 36.7/25

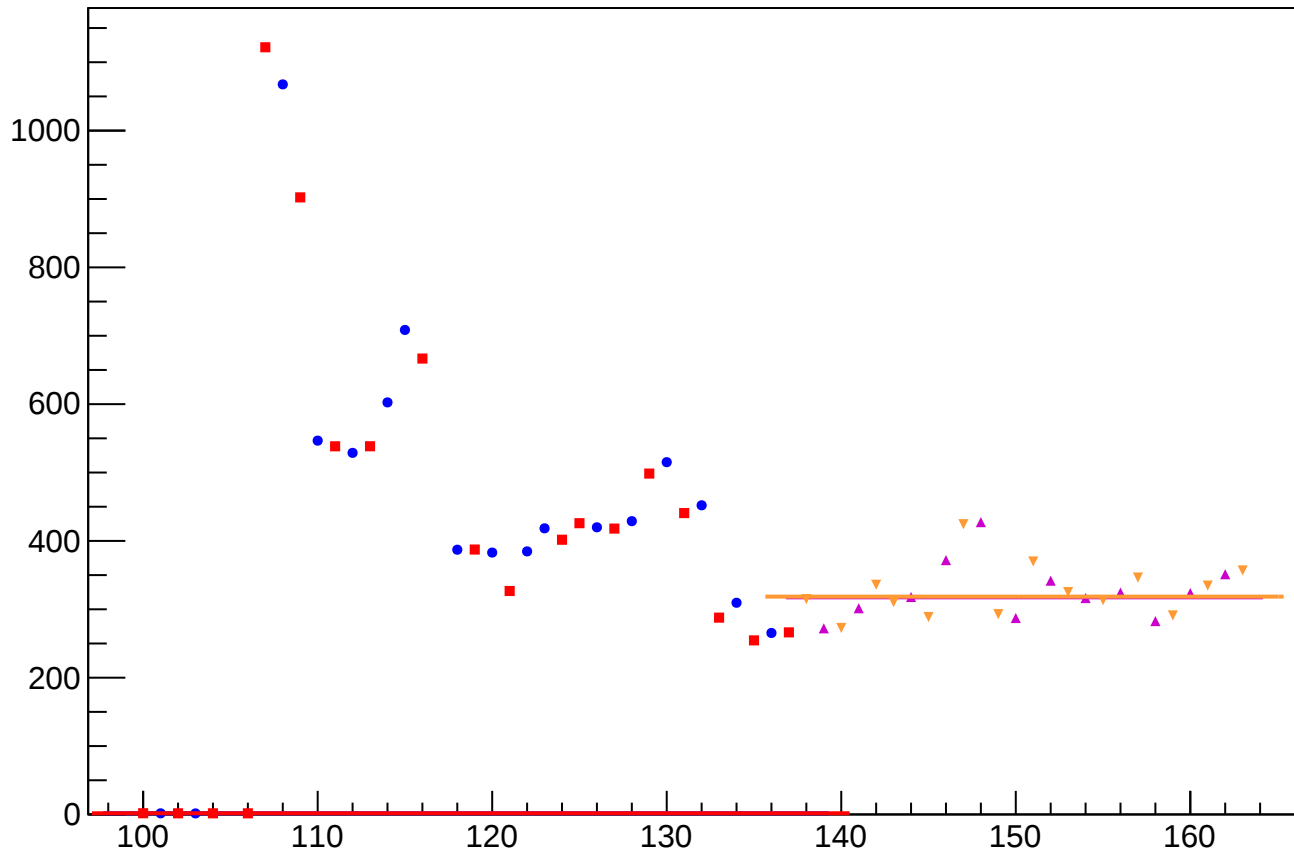
Right: -0.000 $\pm$ 0.001 χ^2/NDF : 33.6/35

In: 0.000 $\pm$ 0.002 χ^2/NDF :38.3/28

Out: -0.001 $\pm$ 0.002 χ^2/NDF :32.1/32

All: -0.000 $\pm$ 0.001 χ^2/NDF : 70.5/61

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.698+/-0.001 χ^2/NDF : 10911617.0/16

Left Out: 318.540+/-0.070 χ^2/NDF :250113.8/13

Right Out: 1.728+/-0.001 χ^2/NDF : 10736674.8/18

Left In: 317.510+/-0.073 χ^2/NDF :250352.2/11

Left: 318.045+/-0.050 χ^2/NDF : 500570.2/25

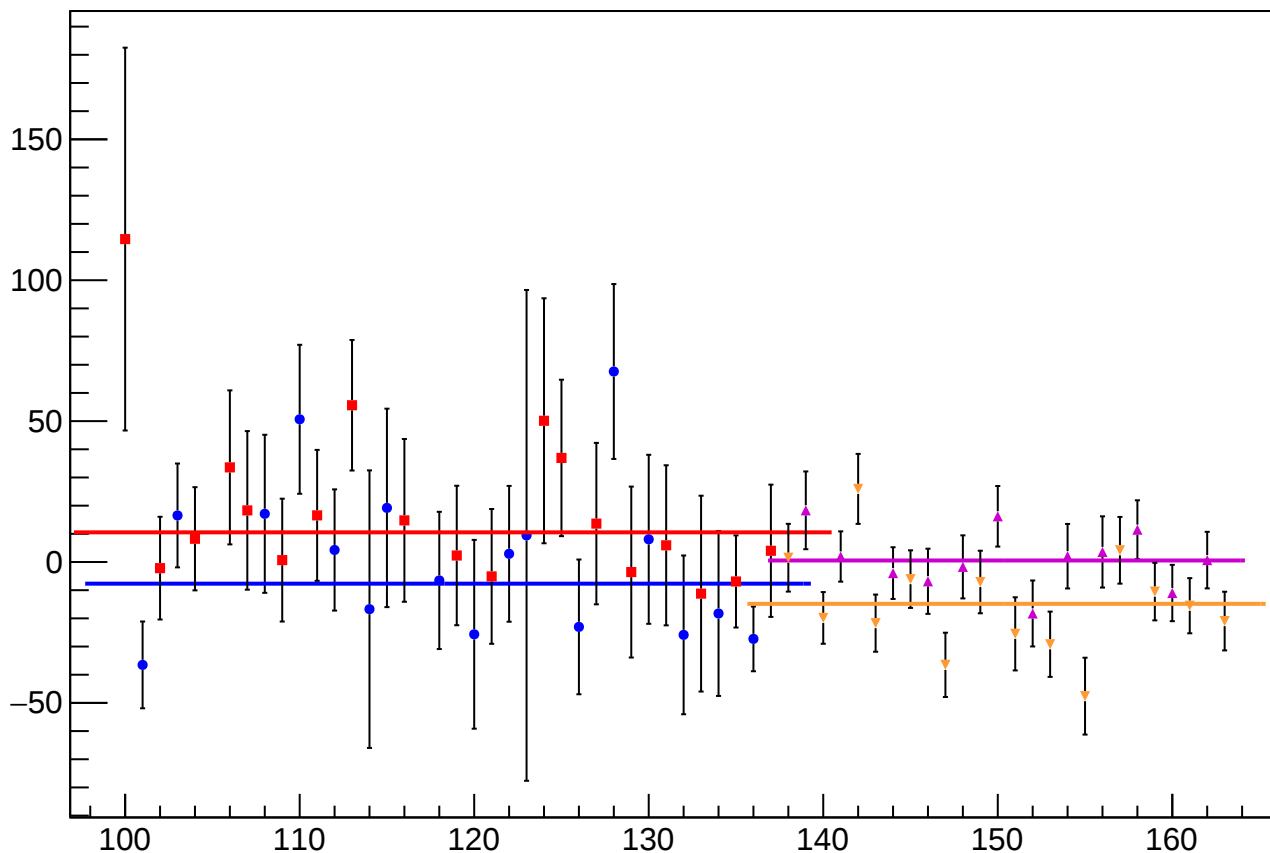
Right: 1.714+/-0.001 χ^2/NDF : 21648518.8/35

In: 1.821+/-0.001 χ^2/NDF :30067690.9/28

Out: 1.850+/-0.001 χ^2/NDF :31501424.7/32

All: 1.836+/-0.001 χ^2/NDF : 61569327.1/61

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.683 ± 5.627 $\chi^2/\text{NDF}: 22.4/16$

Left Out: -14.844 ± 2.942 $\chi^2/\text{NDF}: 29.3/13$

Right Out: 10.524 ± 5.682 $\chi^2/\text{NDF}: 11.9/18$

Left In: 0.543 ± 3.099 $\chi^2/\text{NDF}: 9.6/11$

Left: -7.551 ± 2.134 $\chi^2/\text{NDF}: 51.9/25$

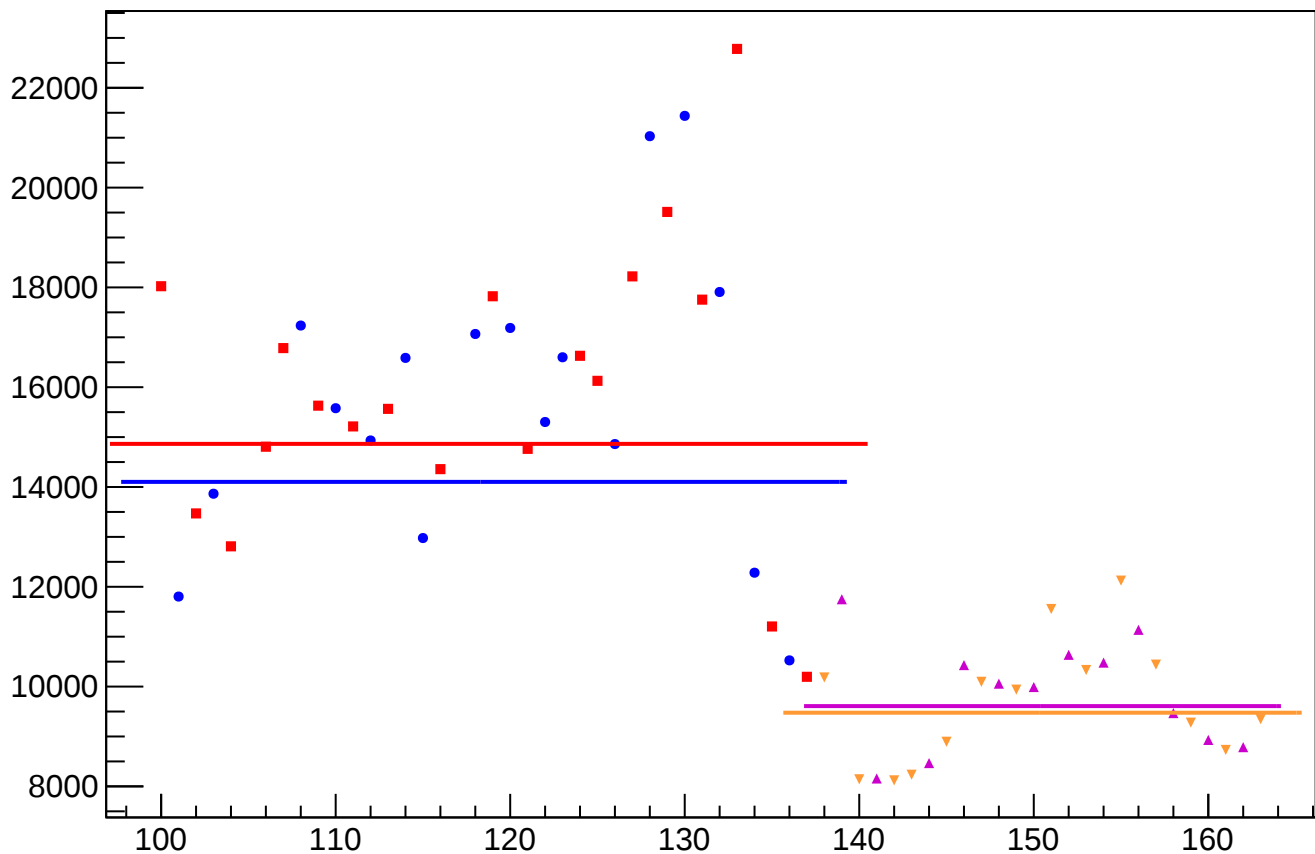
Right: 1.332 ± 3.998 $\chi^2/\text{NDF}: 39.4/35$

In: -1.372 ± 2.715 $\chi^2/\text{NDF}: 33.6/28$

Out: -9.481 ± 2.613 $\chi^2/\text{NDF}: 56.9/32$

All: -5.582 ± 1.882 $\chi^2/\text{NDF}: 95.1/61$

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14102.522 $\pm$ 3.979 χ^2 /NDF: 598934.8/16

Left Out: 9476.485 $\pm$ 2.080 χ^2 /NDF: 282458.8/13

Right Out: 14864.163 $\pm$ 4.018 χ^2 /NDF: 470280.3/18

Left In: 9608.753 $\pm$ 2.191 χ^2 /NDF: 227169.4/11

Left: 9539.180 $\pm$ 1.509 χ^2 /NDF: 511544.3/25

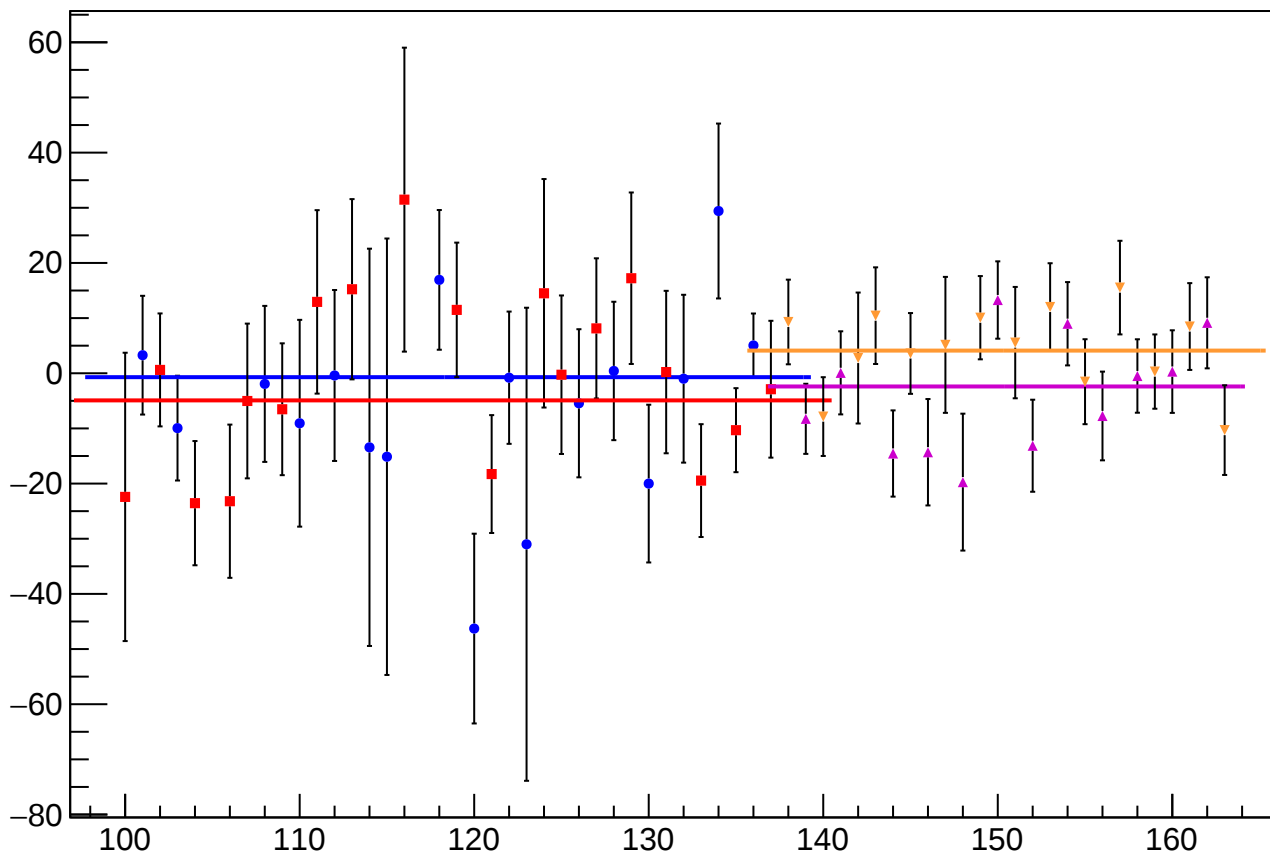
Right: 14479.636 $\pm$ 2.827 χ^2 /NDF: 1087356.3/35

In: 10654.618 $\pm$ 1.920 χ^2 /NDF: 1804714.0/28

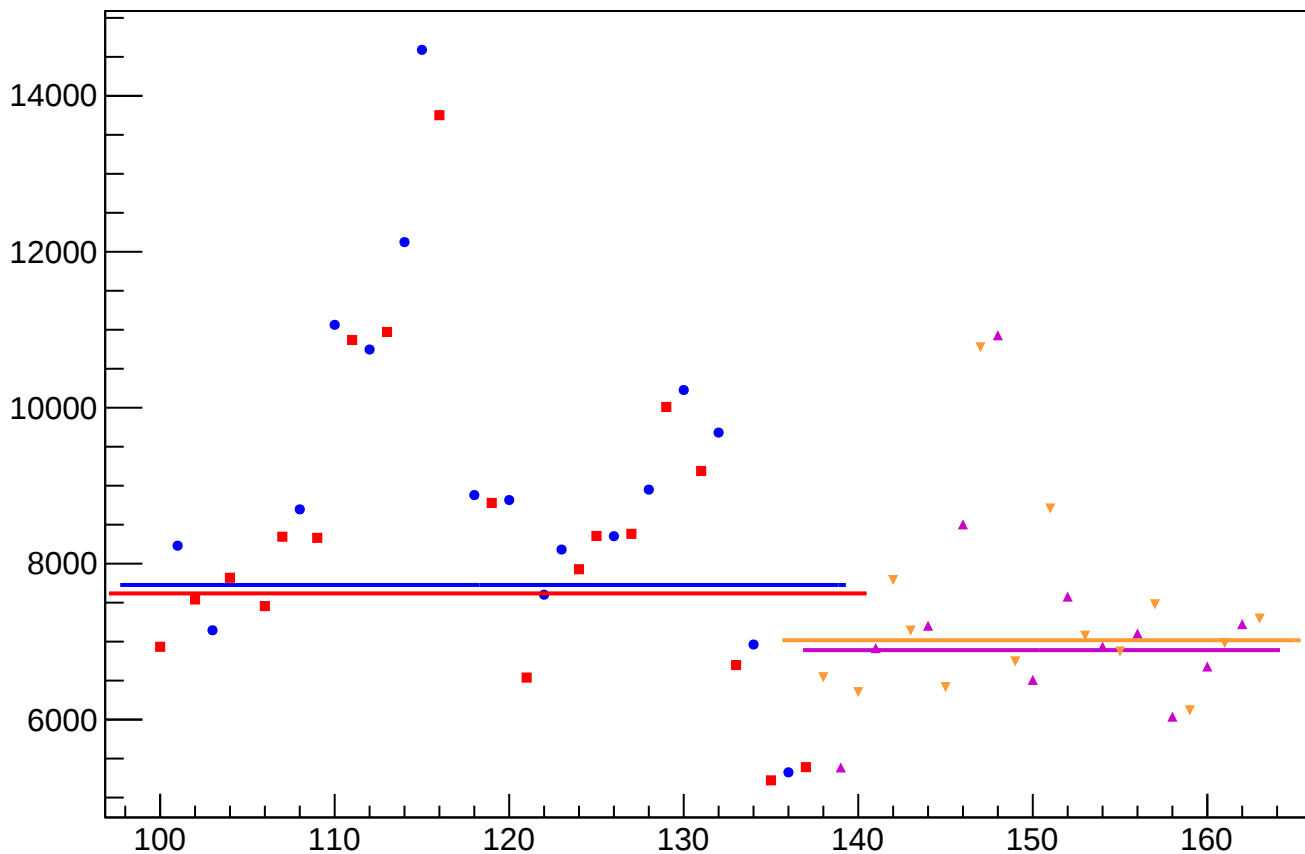
Out: 10615.459 $\pm$ 1.847 χ^2 /NDF: 2170647.2/32

All: 10634.288 $\pm$ 1.331 χ^2 /NDF: 3975577.2/6

diff_bpm4aY_mean vs Slug, Sign Corrected



diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7726.745+/-2.180 χ^2/NDF : 742512.8/16

Left Out: 7017.660+/-1.546 χ^2/NDF :336592.8/13

Right Out: 7618.206+/-2.079 χ^2/NDF : 675125.4/18

Left In: 6890.984+/-1.586 χ^2/NDF :441727.4/11

Left: 6955.954+/-1.107 χ^2/NDF : 781591.9/25

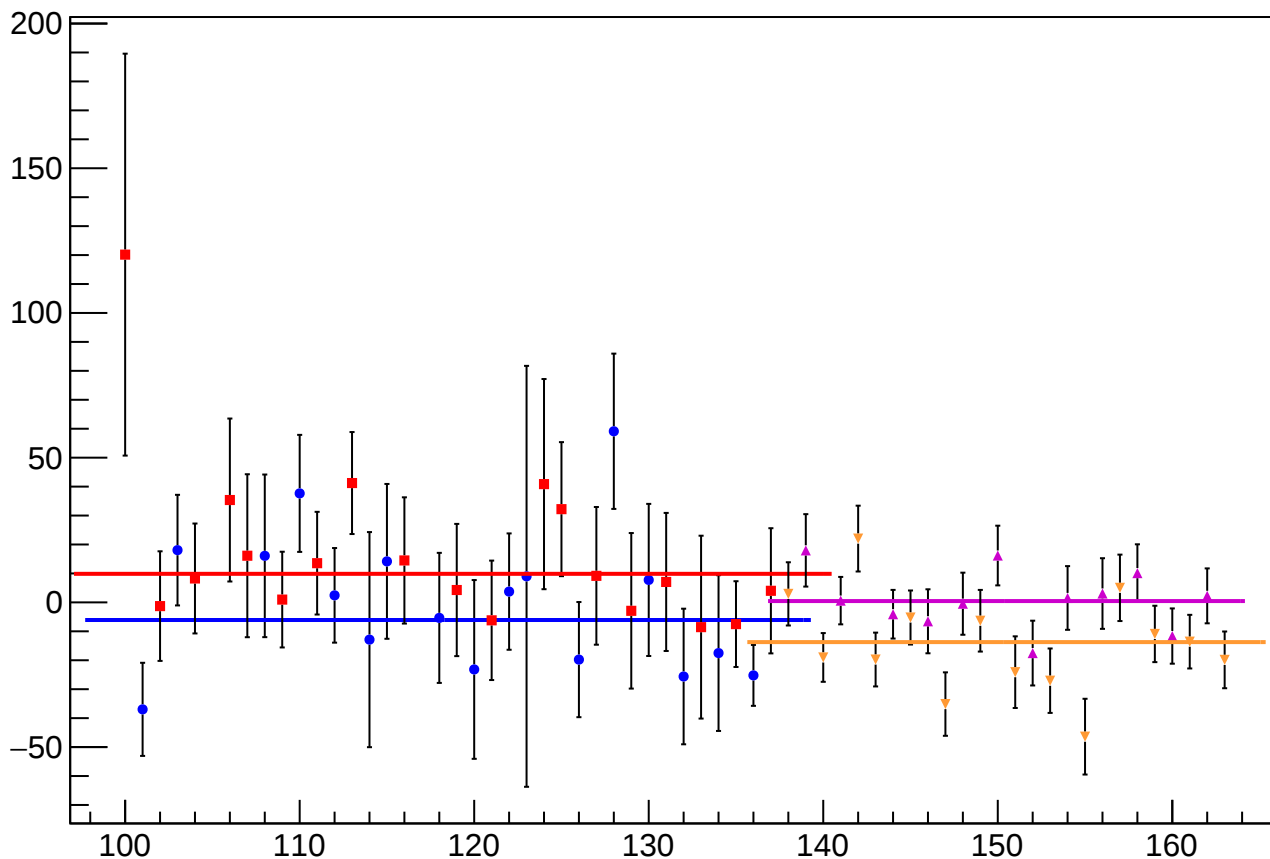
Right: 7669.883+/-1.504 χ^2/NDF : 1418936.4/35

In: 7180.184+/-1.283 χ^2/NDF :1280326.1/28

Out: 7231.502+/-1.240 χ^2/NDF :1065470.4/32

All: 7206.702+/-0.892 χ^2/NDF : 2346623.8/63

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -6.092 ± 5.034 $\chi^2/\text{NDF}: 22.9/16$

Left Out: -13.726 ± 2.763 $\chi^2/\text{NDF}: 29.7/13$

Right Out: 9.864 ± 5.004 $\chi^2/\text{NDF}: 11.6/18$

Left In: 0.454 ± 2.926 $\chi^2/\text{NDF}: 10.2/11$

Left: -7.042 ± 2.009 $\chi^2/\text{NDF}: 52.3/25$

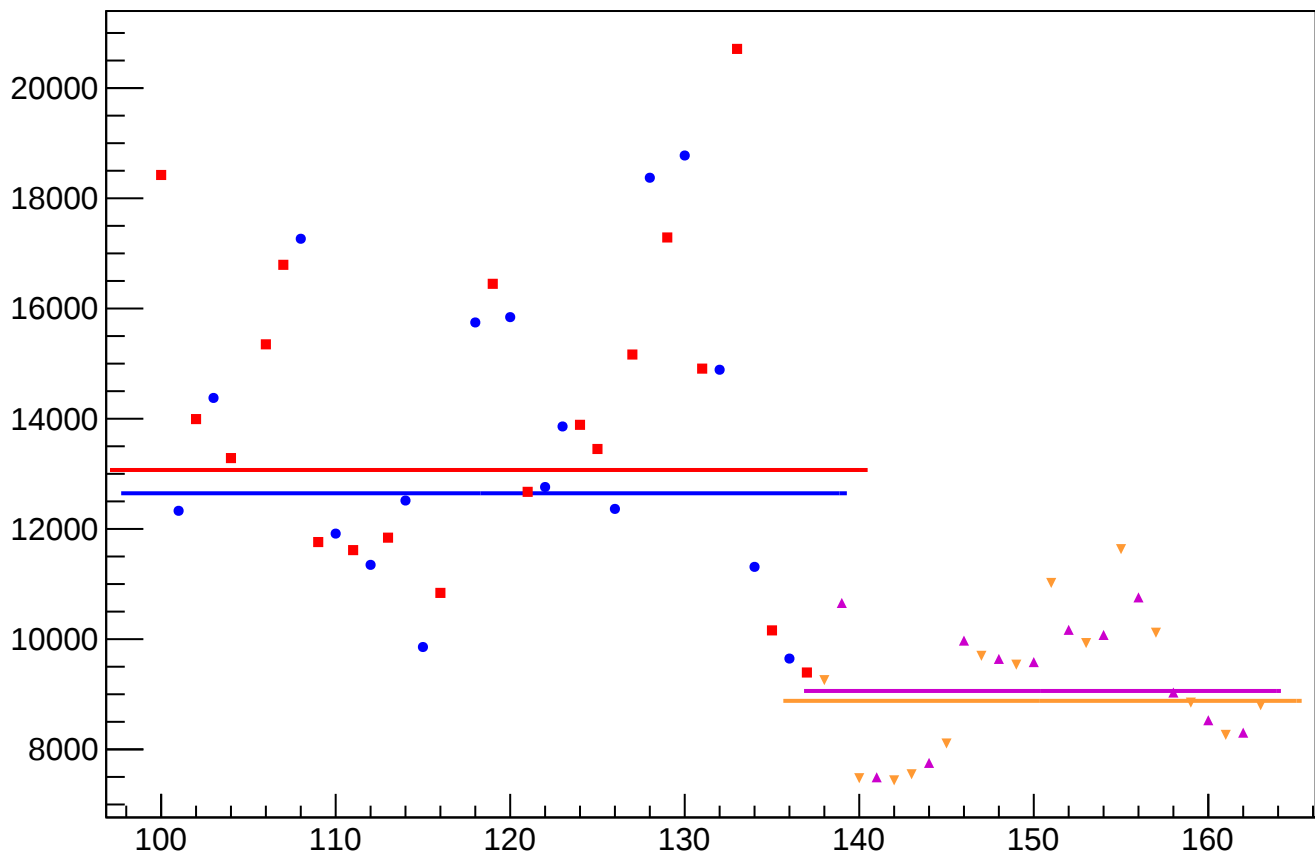
Right: 1.934 ± 3.549 $\chi^2/\text{NDF}: 39.6/35$

In: -1.199 ± 2.529 $\chi^2/\text{NDF}: 34.4/28$

Out: -8.215 ± 2.419 $\chi^2/\text{NDF}: 58.4/32$

All: -4.864 ± 1.748 $\chi^2/\text{NDF}: 96.7/61$

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12647.257 +/- 3.559 χ^2/NDF : 554320.4/16

Left Out: 8880.604 +/- 1.954 χ^2/NDF : 361899.1/13

Right Out: 13069.930 +/- 3.538 χ^2/NDF : 496271.7/18

Left In: 9059.941 +/- 2.069 χ^2/NDF : 272977.1/11

Left: 8965.143 +/- 1.420 χ^2/NDF : 638849.0/25

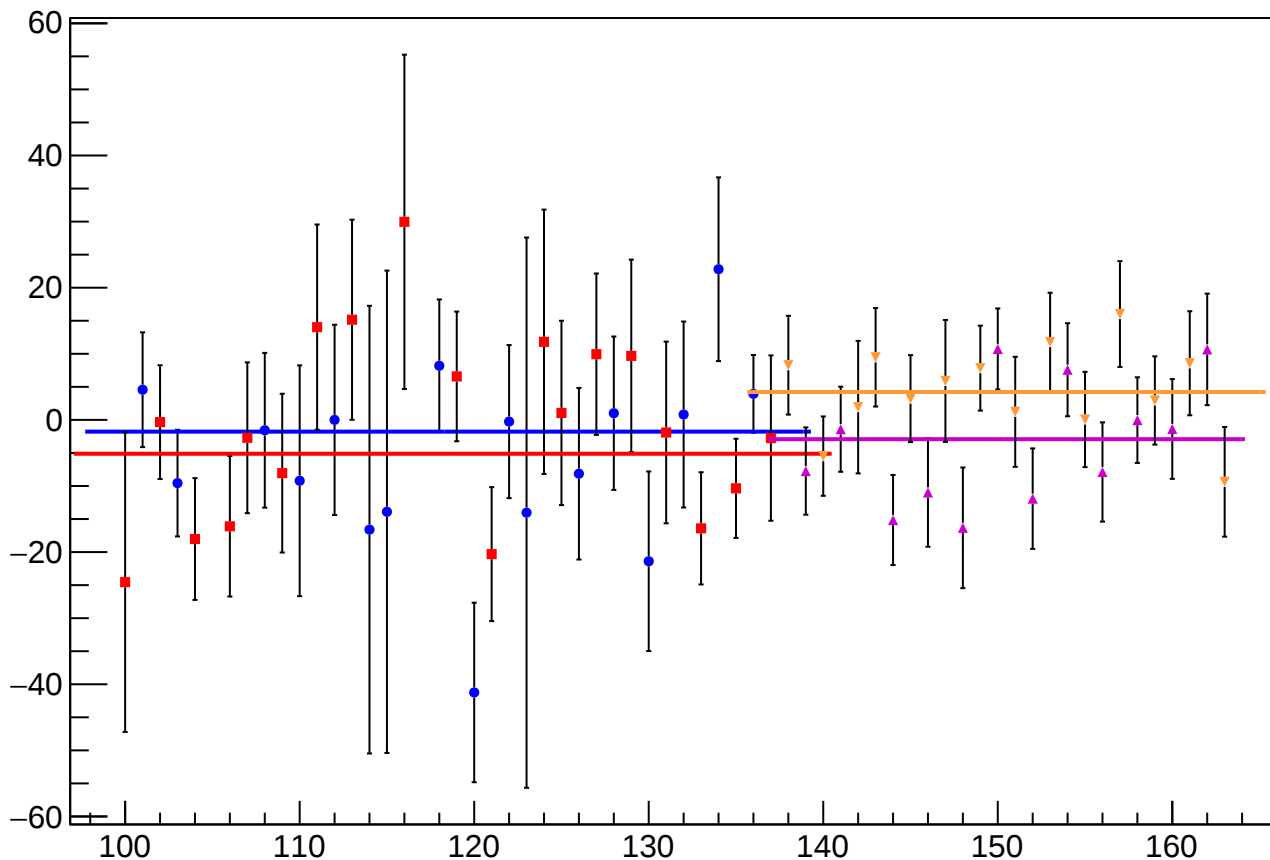
Right: 12859.864 +/- 2.509 χ^2/NDF : 1057685.3/35

In: 9965.706 +/- 1.789 χ^2/NDF : 1586595.4/28

Out: 9859.394 +/- 1.710 χ^2/NDF : 1932655.6/32

All: 9910.170 +/- 1.236 χ^2/NDF : 3521096.7/63

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -1.777 ± 2.806 χ^2/NDF : 18.0/16

Left Out: 4.218 ± 1.988 χ^2/NDF : 10.5/13

Right Out: -5.122 ± 2.642 χ^2/NDF : 18.9/18

Left In: -2.916 ± 2.073 χ^2/NDF : 18.8/11

Left: 0.802 ± 1.435 χ^2/NDF : 35.5/25

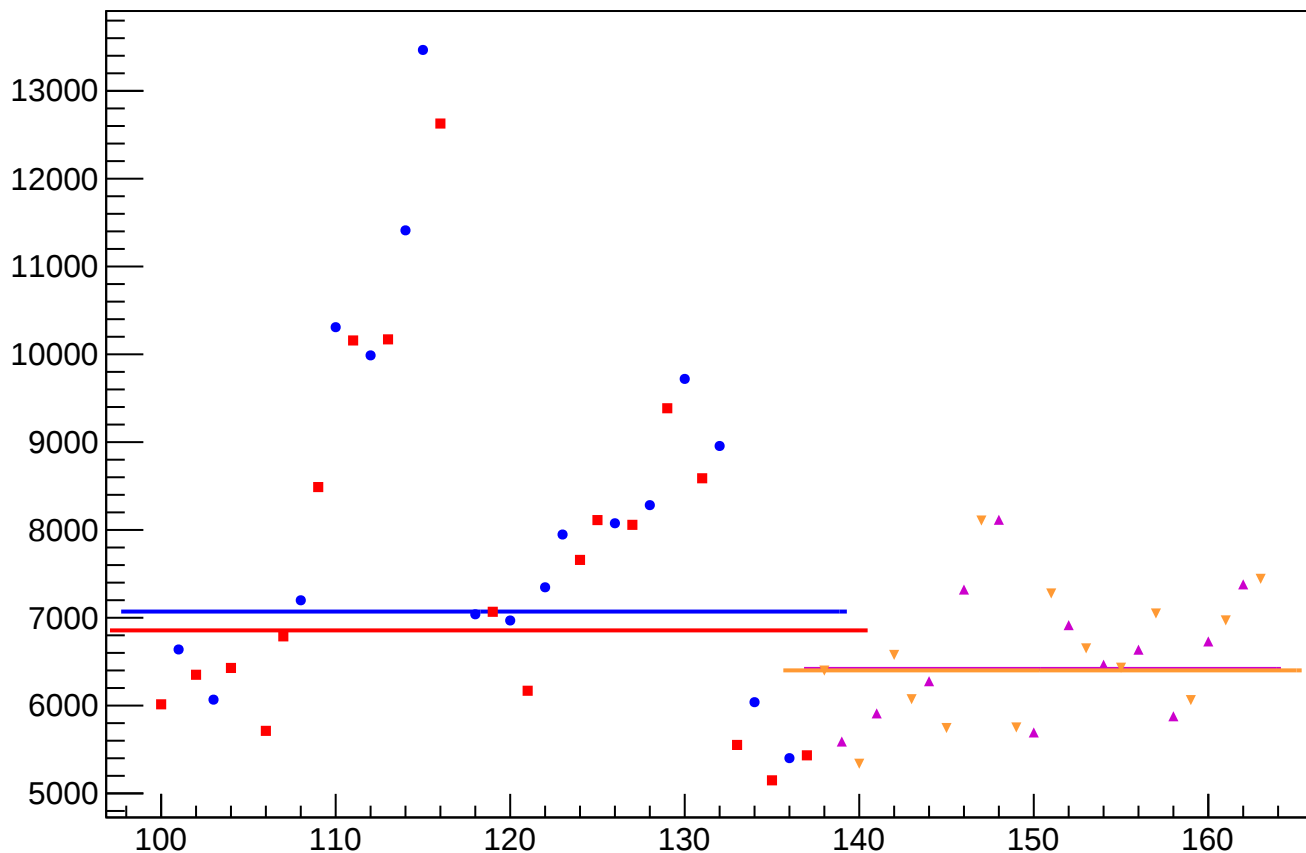
Right: -3.550 ± 1.923 χ^2/NDF : 37.6/35

In: -2.514 ± 1.668 χ^2/NDF : 36.9/28

Out: 0.842 ± 1.588 χ^2/NDF : 37.4/32

All: -0.754 ± 1.150 χ^2/NDF : 76.4/61

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7070.672 $\pm$ 1.984 χ^2/NDF : 601692.5/16

Left Out: 6400.833 $\pm$ 1.405 χ^2/NDF : 260848.8/13

Right Out: 6856.136 $\pm$ 1.868 χ^2/NDF : 682220.3/18

Left In: 6417.505 $\pm$ 1.466 χ^2/NDF : 219608.2/11

Left: 6408.817 $\pm$ 1.015 χ^2/NDF : 480524.5/25

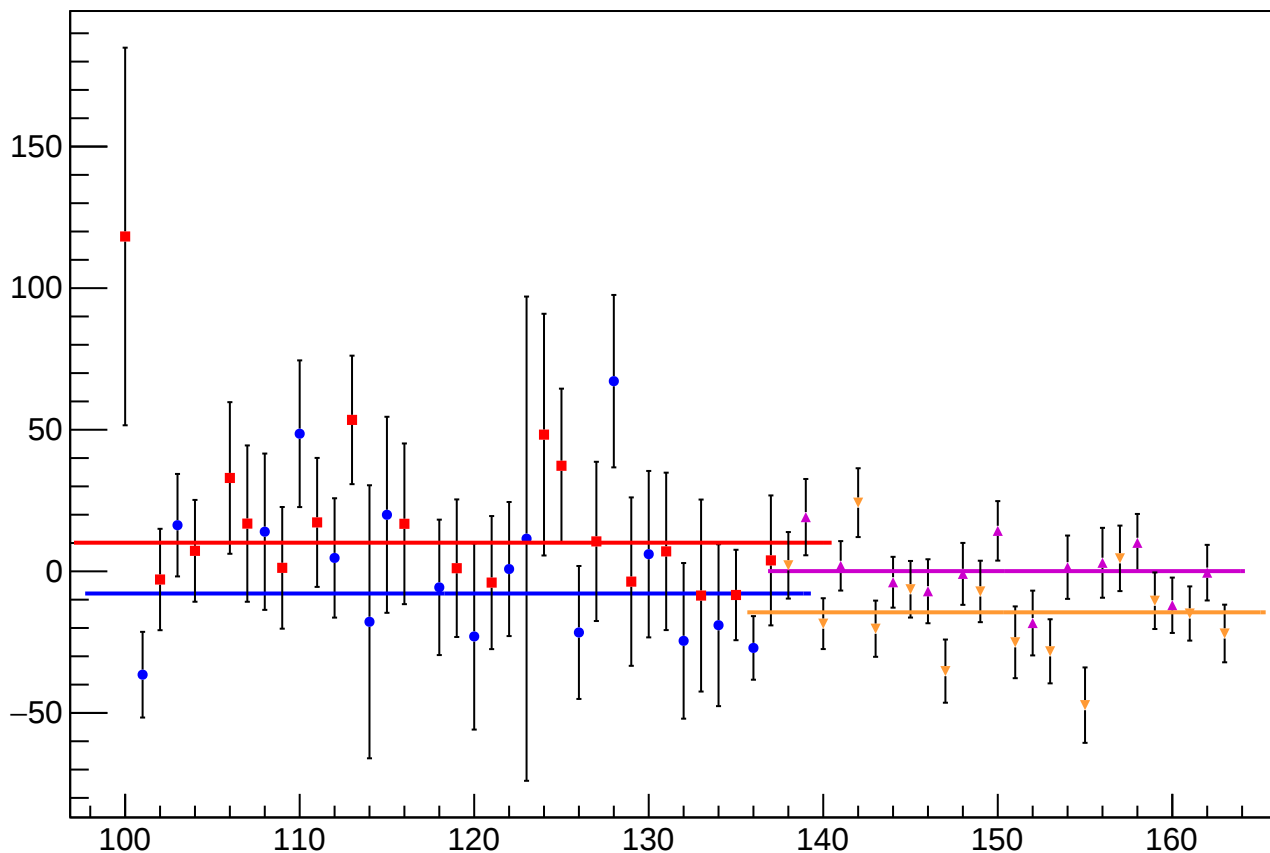
Right: 6956.947 $\pm$ 1.360 χ^2/NDF : 1290110.2/35

In: 6648.171 $\pm$ 1.179 χ^2/NDF : 891399.0/28

Out: 6565.397 $\pm$ 1.123 χ^2/NDF : 981001.4/32

All: 6604.771 $\pm$ 0.813 χ^2/NDF : 1874984.4/63

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -7.825 $\pm$ 5.516 χ^2/NDF : 22.3/16

Left Out: -14.470 $\pm$ 2.876 χ^2/NDF : 28.9/13

Right Out: 10.117 $\pm$ 5.571 χ^2/NDF : 12.2/18

Left In: 0.080 $\pm$ 3.029 χ^2/NDF : 9.6/11

Left: -7.573 $\pm$ 2.086 χ^2/NDF : 50.7/25

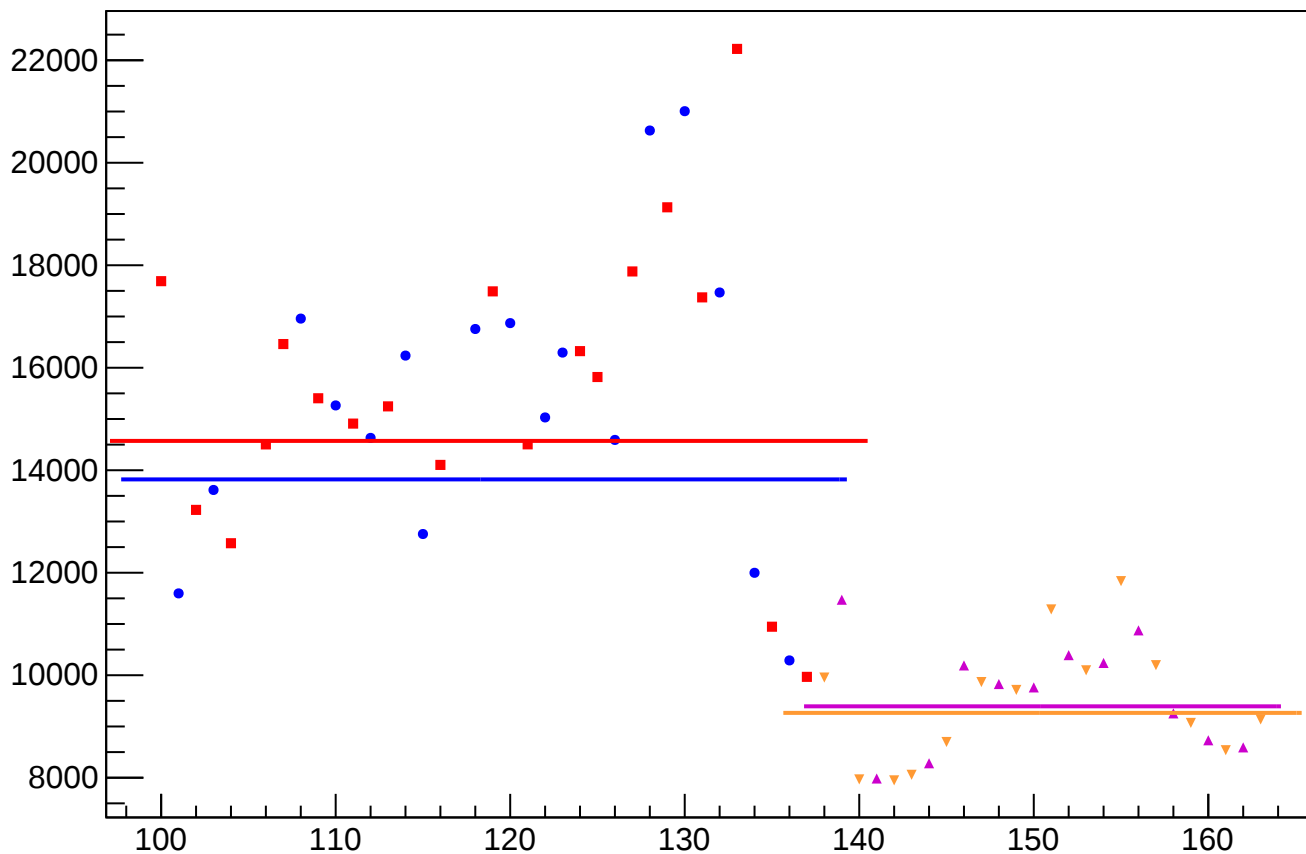
Right: 1.056 $\pm$ 3.920 χ^2/NDF : 39.7/35

In: -1.752 $\pm$ 2.655 χ^2/NDF : 33.5/28

Out: -9.296 $\pm$ 2.556 χ^2/NDF : 56.5/32

All: -5.669 $\pm$ 1.841 χ^2/NDF : 94.1/61

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13821.195+/-3.900 χ^2/NDF : 602672.4/16

Left Out: 9265.329+/-2.034 χ^2/NDF : 279229.9/13

Right Out: 14572.437+/-3.939 χ^2/NDF : 472468.2/18

Left In: 9393.161+/-2.142 χ^2/NDF : 224415.1/11

Left: 9325.929+/-1.475 χ^2/NDF : 505518.0/25

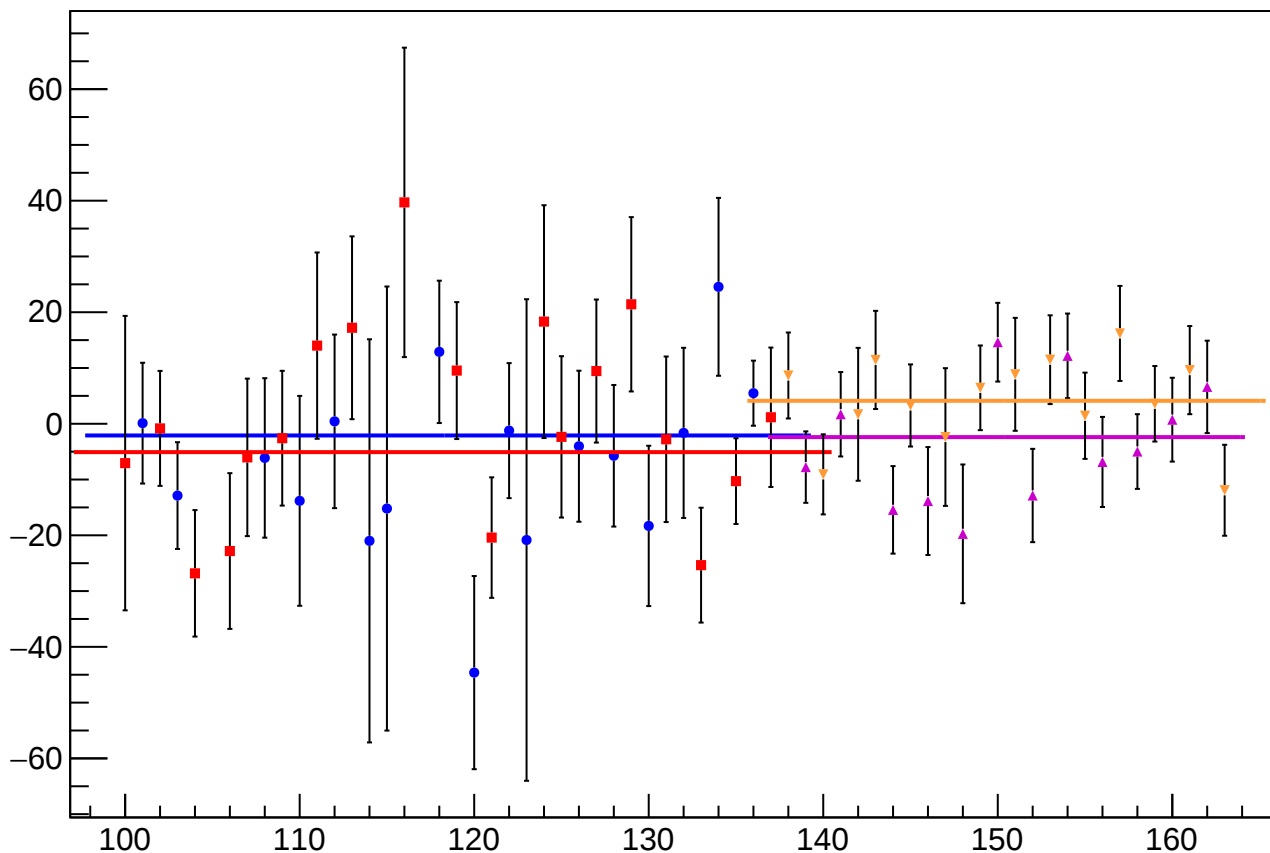
Right: 14193.062+/-2.772 χ^2/NDF : 1093505.5/35

In: 10419.327+/-1.878 χ^2/NDF : 1817345.4/28

Out: 10382.112+/-1.807 χ^2/NDF : 2184689.7/32

All: 10400.008+/-1.302 χ^2/NDF : 4002239.1/60

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -2.098 ± 3.106 χ^2/NDF : 15.6/16

Left Out: 4.117 ± 2.196 χ^2/NDF : 12.4/13

Right Out: -5.085 ± 2.962 χ^2/NDF : 24.8/18

Left In: -2.392 ± 2.254 χ^2/NDF : 20.0/11

Left: 0.948 ± 1.573 χ^2/NDF : 36.7/25

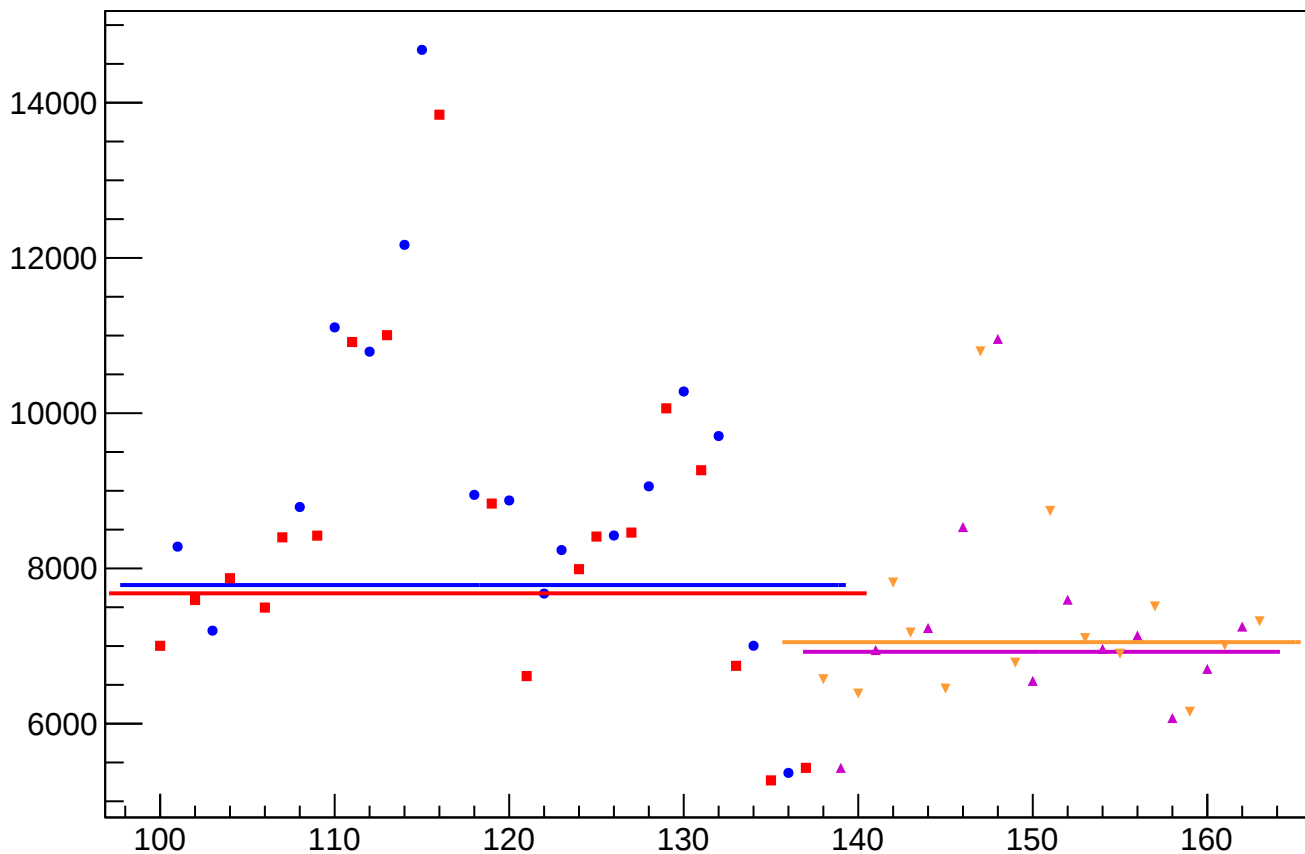
Right: -3.662 ± 2.144 χ^2/NDF : 40.9/35

In: -2.290 ± 1.824 χ^2/NDF : 35.6/28

Out: 0.854 ± 1.764 χ^2/NDF : 43.4/32

All: -0.665 ± 1.268 χ^2/NDF : 80.6/61

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7785.931 $\pm$ 2.197 χ^2 /NDF: 738101.9/16

Left Out: 7050.223 $\pm$ 1.553 χ^2 /NDF:332807.2/13

Right Out: 7679.182 $\pm$ 2.095 χ^2 /NDF: 668736.8/18

Left In: 6925.805 $\pm$ 1.594 χ^2 /NDF:434542.5/11

Left: 6989.637 $\pm$ 1.112 χ^2 /NDF: 770477.0/25

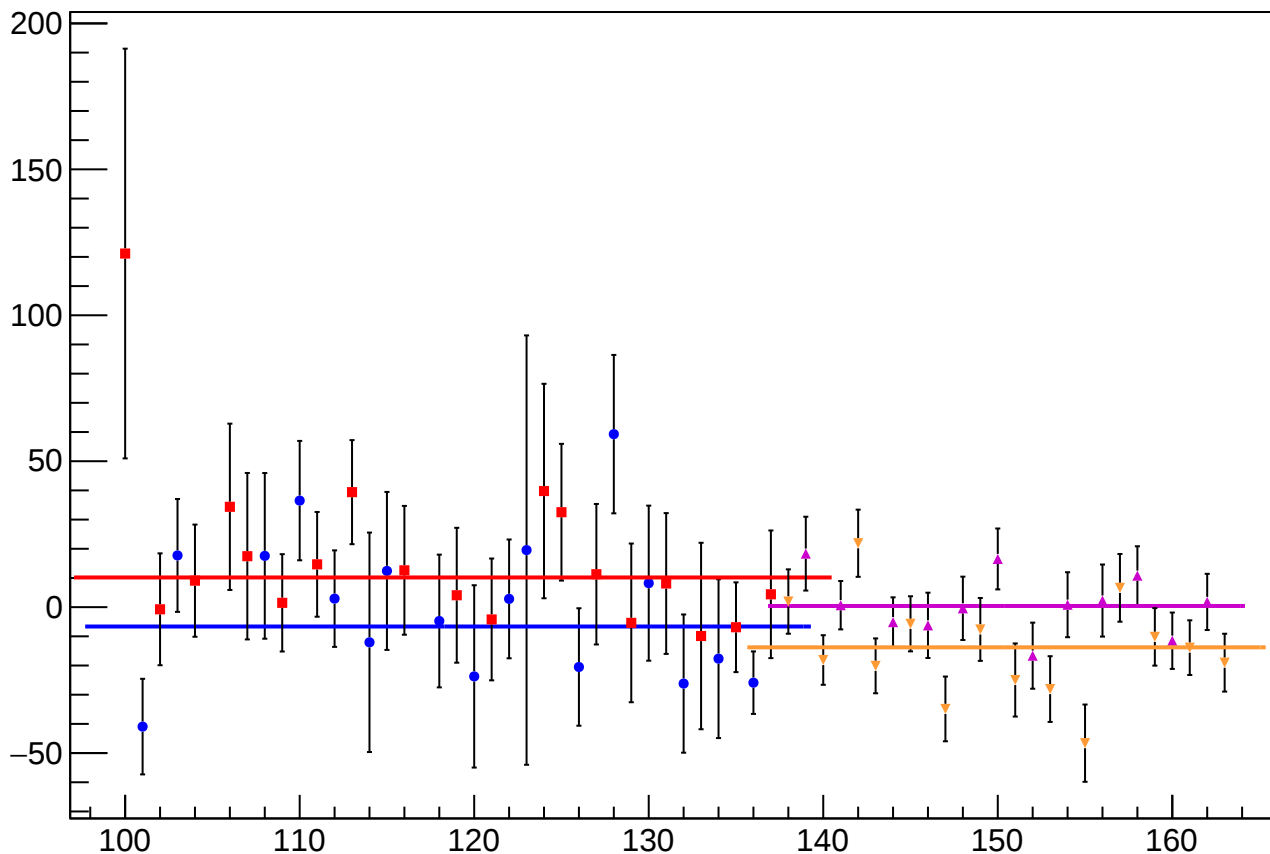
Right: 7730.020 $\pm$ 1.516 χ^2 /NDF: 1408075.7/35

In: 7222.401 $\pm$ 1.290 χ^2 /NDF:1273099.8/28

Out: 7273.245 $\pm$ 1.247 χ^2 /NDF:1059738.4/32

All: 7248.677 $\pm$ 0.897 χ^2 /NDF: 2333641.1/63

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -6.634 ± 5.101 χ^2/NDF : 23.4/16

Left Out: -13.765 ± 2.793 χ^2/NDF : 29.1/13

Right Out: 10.172 ± 5.075 χ^2/NDF : 10.8/18

Left In: 0.401 ± 2.959 χ^2/NDF : 10.1/11

Left: -7.091 ± 2.031 χ^2/NDF : 51.3/25

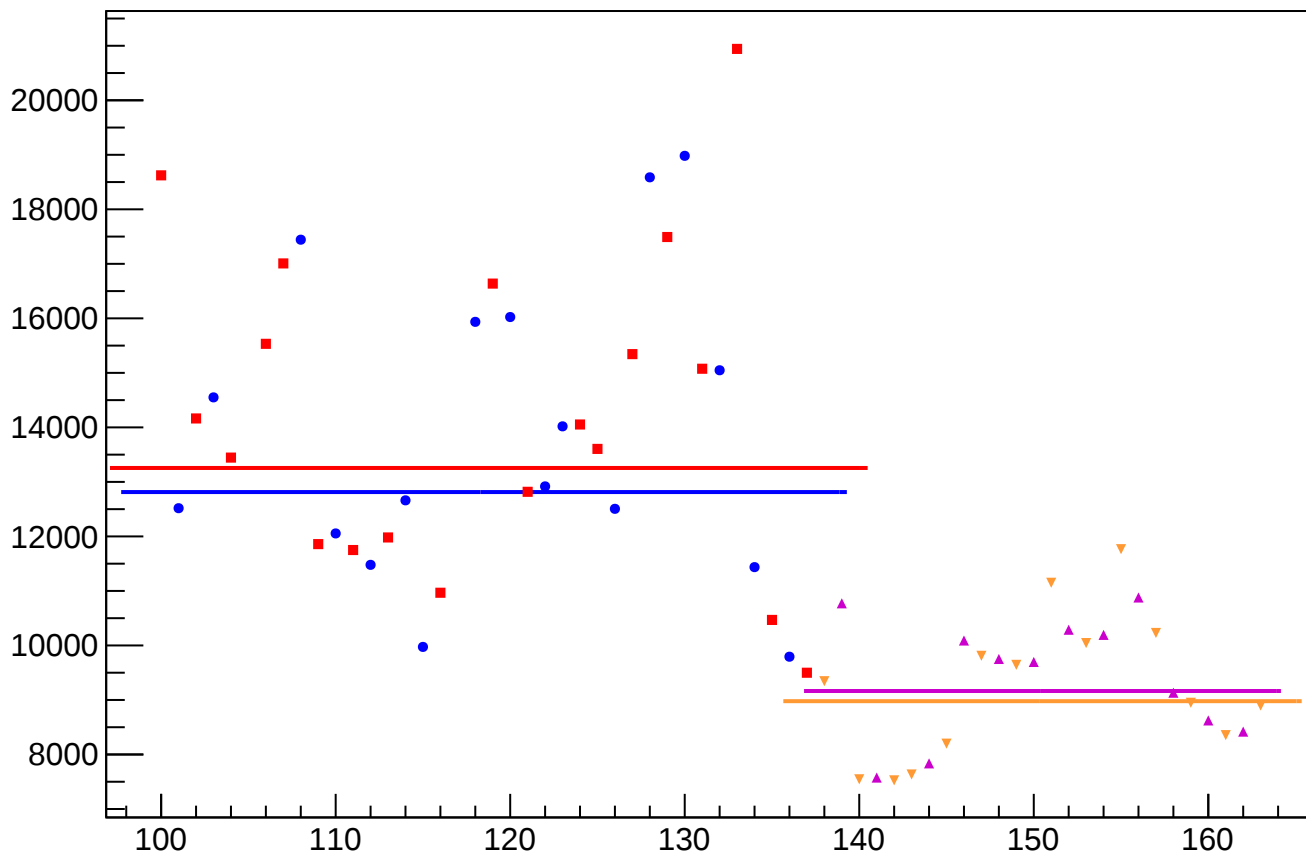
Right: 1.813 ± 3.598 χ^2/NDF : 39.7/35

In: -1.371 ± 2.560 χ^2/NDF : 34.9/28

Out: -8.200 ± 2.447 χ^2/NDF : 57.0/32

All: -4.939 ± 1.769 χ^2/NDF : 95.6/61

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12813.726+/-3.607 χ^2/NDF : 548127.6/16

Left Out: 8977.832+/-1.975 χ^2/NDF : 363460.0/13

Right Out: 13255.535+/-3.588 χ^2/NDF : 484287.4/18

Left In: 9164.419+/-2.093 χ^2/NDF : 273162.4/11

Left: 9065.735+/-1.436 χ^2/NDF : 640827.4/25

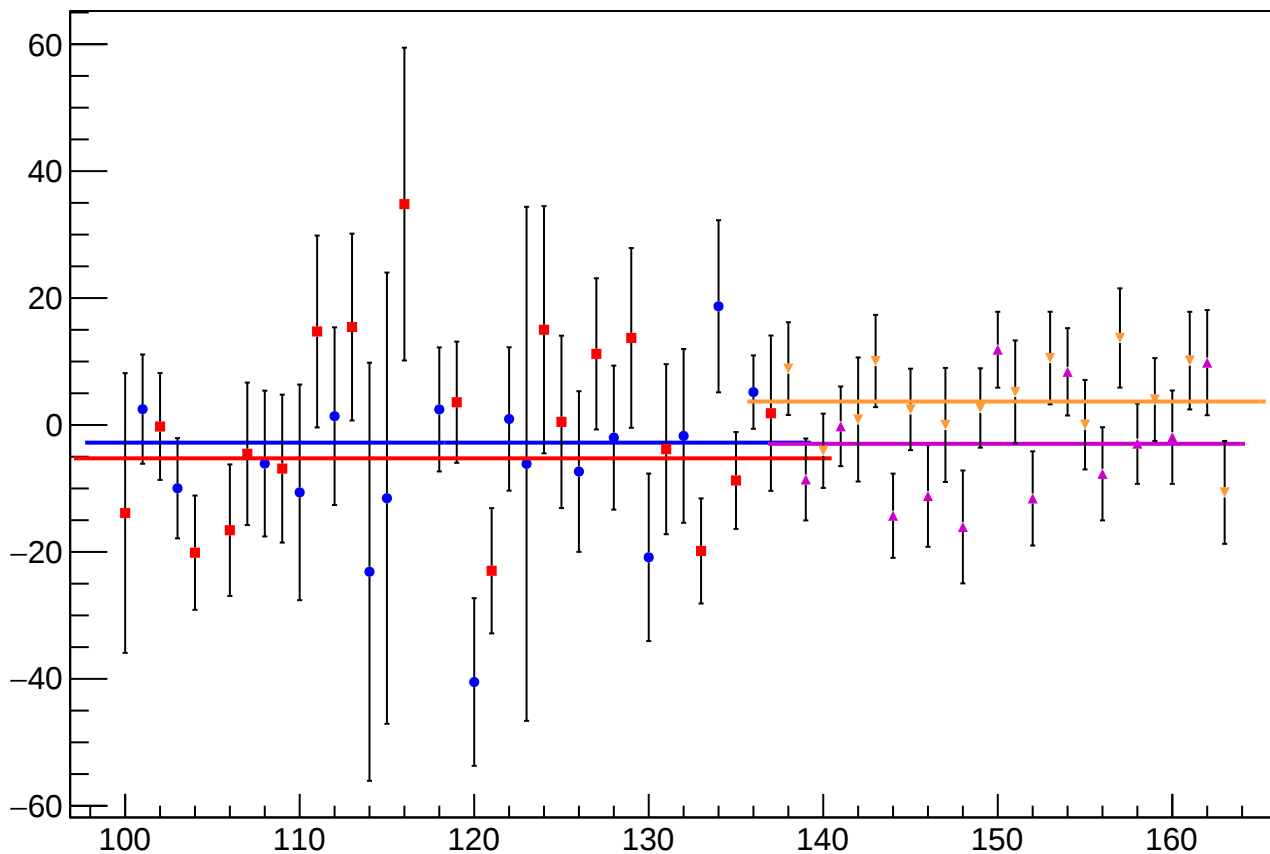
Right: 13035.784+/-2.544 χ^2/NDF : 1039954.9/35

In: 10083.308+/-1.810 χ^2/NDF : 1587067.4/28

Out: 9972.358+/-1.730 χ^2/NDF : 1938434.5/32

All: 10025.332+/-1.251 χ^2/NDF : 3527465.2/6

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -2.778 ± 2.747 χ^2/NDF : 17.0/16

Left Out: 3.703 ± 1.940 χ^2/NDF : 10.0/13

Right Out: -5.252 ± 2.590 χ^2/NDF : 23.5/18

Left In: -2.960 ± 2.024 χ^2/NDF : 20.1/11

Left: 0.513 ± 1.401 χ^2/NDF : 35.8/25

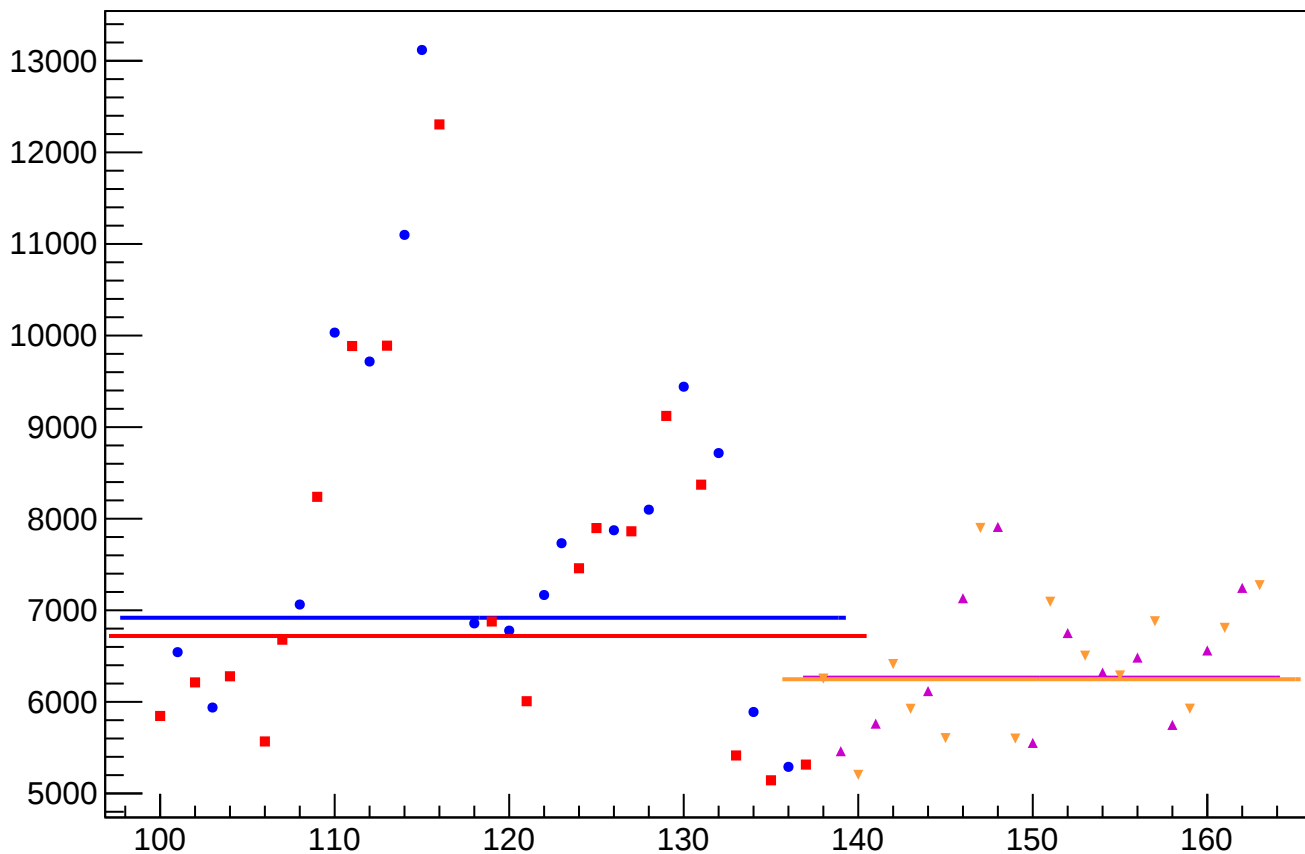
Right: -4.088 ± 1.884 χ^2/NDF : 41.0/35

In: -2.896 ± 1.630 χ^2/NDF : 37.1/28

Out: 0.484 ± 1.553 χ^2/NDF : 41.2/32

All: -1.124 ± 1.124 χ^2/NDF : 80.6/61

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6918.554+/-1.943 χ^2/NDF : 587976.6/16

Left Out: 6247.211+/-1.372 χ^2/NDF : 262353.9/13

Right Out: 6719.404+/-1.831 χ^2/NDF : 653831.7/18

Left In: 6264.506+/-1.431 χ^2/NDF : 220140.3/11

Left: 6255.492+/-0.990 χ^2/NDF : 482570.3/25

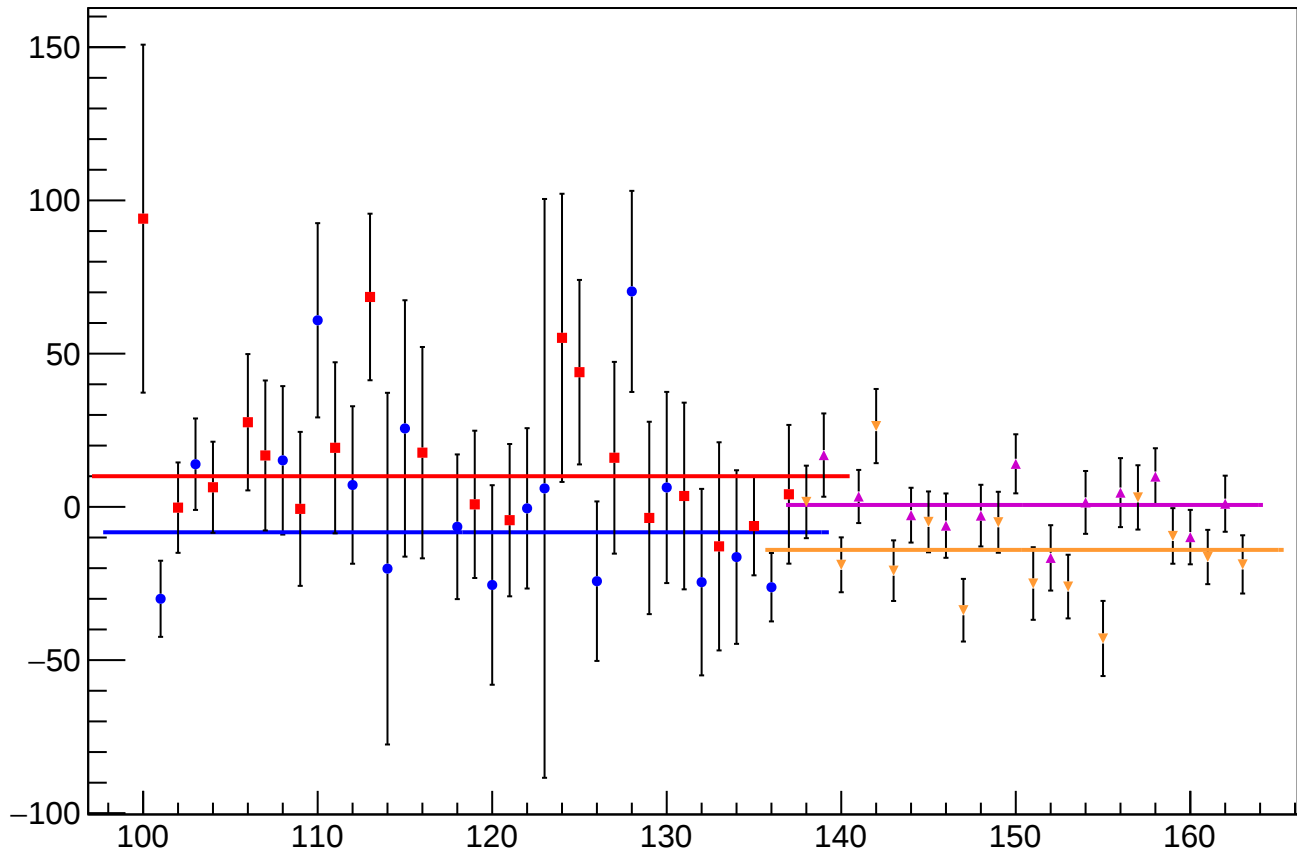
Right: 6813.106+/-1.332 χ^2/NDF : 1247373.6/35

In: 6494.634+/-1.152 χ^2/NDF : 881596.0/28

Out: 6416.946+/-1.098 χ^2/NDF : 958778.8/32

All: 6453.914+/-0.795 χ^2/NDF : 1842757.6/63

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.286 $\pm$ 5.410 χ^2/NDF : 21.7/16

Left Out: -14.033 $\pm$ 2.726 χ^2/NDF : 30.0/13

Right Out: 10.007 $\pm$ 5.513 χ^2/NDF : 12.9/18

Left In: 0.628 $\pm$ 2.846 χ^2/NDF : 9.3/11

Left: -7.019 $\pm$ 1.969 χ^2/NDF : 53.2/25

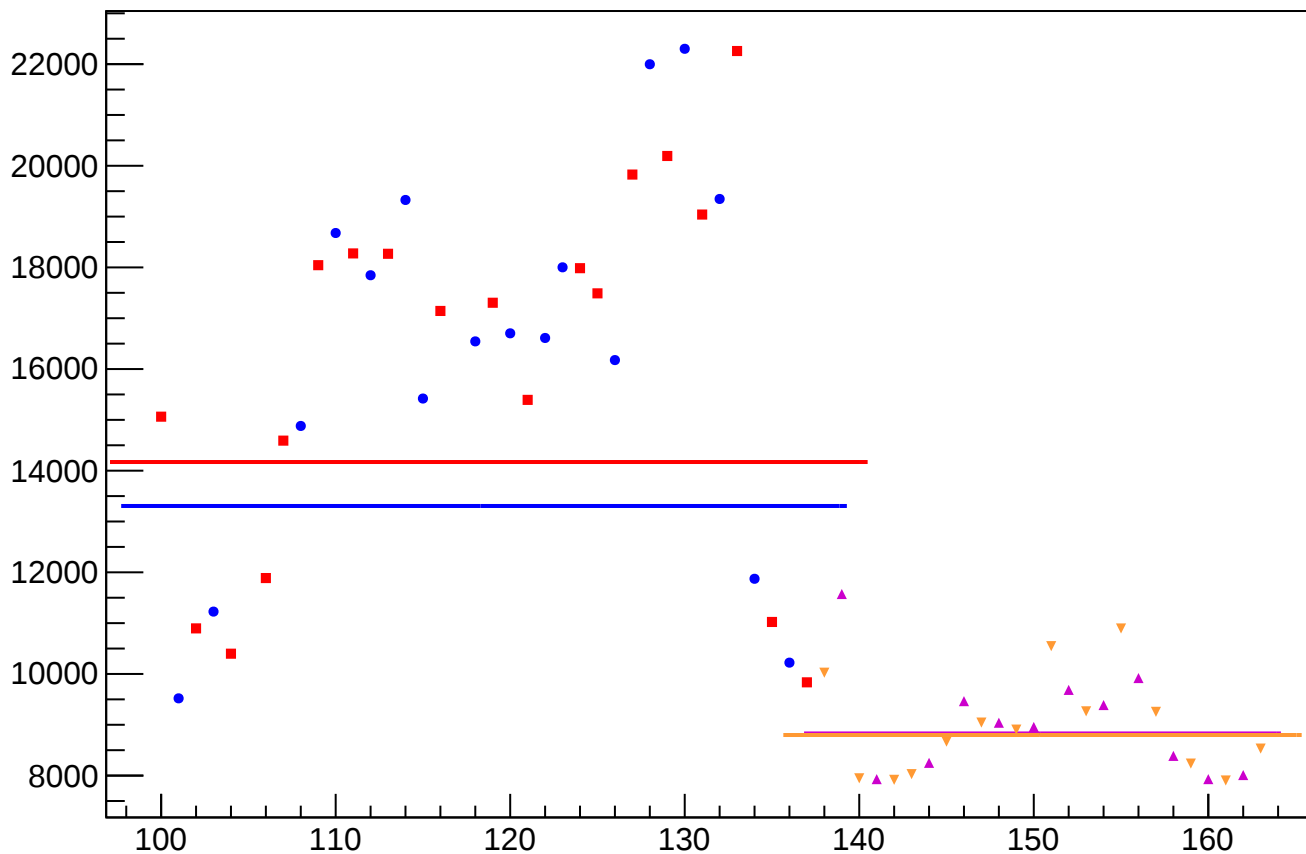
Right: 0.688 $\pm$ 3.861 χ^2/NDF : 40.2/35

In: -1.304 $\pm$ 2.519 χ^2/NDF : 33.1/28

Out: -9.311 $\pm$ 2.444 χ^2/NDF : 58.2/32

All: -5.429 $\pm$ 1.754 χ^2/NDF : 96.5/61

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13305.410 $\pm$ 3.826 χ^2 /NDF: 1044091.1/16

Left Out: 8798.665 $\pm$ 1.927 χ^2 /NDF:203569.6/13

Right Out: 14170.668 $\pm$ 3.898 χ^2 /NDF: 930612.1/18

Left In: 8829.507 $\pm$ 2.013 χ^2 /NDF:198618.8/11

Left: 8813.420 $\pm$ 1.392 χ^2 /NDF: 402310.9/25

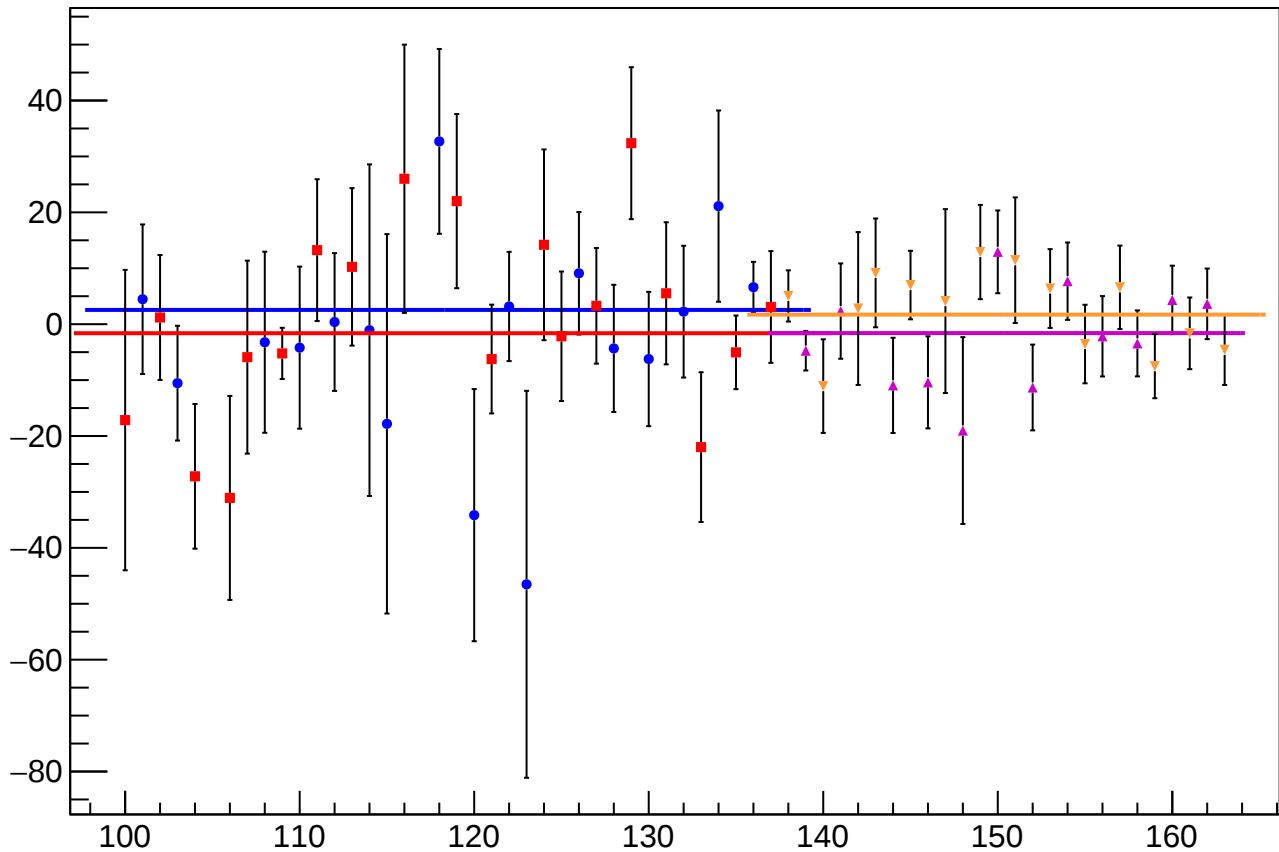
Right: 13729.884 $\pm$ 2.730 χ^2 /NDF: 1999799.5/35

In: 9799.734 $\pm$ 1.781 χ^2 /NDF:2314885.4/28

Out: 9853.964 $\pm$ 1.728 χ^2 /NDF:2660089.0/32

All: 9827.673 $\pm$ 1.240 χ^2 /NDF: 4975452.0/63

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.551 ± 2.757 $\chi^2/\text{NDF}: 13.6/16$

Left Out: 1.710 ± 1.930 $\chi^2/\text{NDF}: 12.0/13$

Right Out: -1.613 ± 2.442 $\chi^2/\text{NDF}: 24.0/18$

Left In: -1.592 ± 1.883 $\chi^2/\text{NDF}: 13.4/11$

Left: 0.019 ± 1.348 $\chi^2/\text{NDF}: 27.0/25$

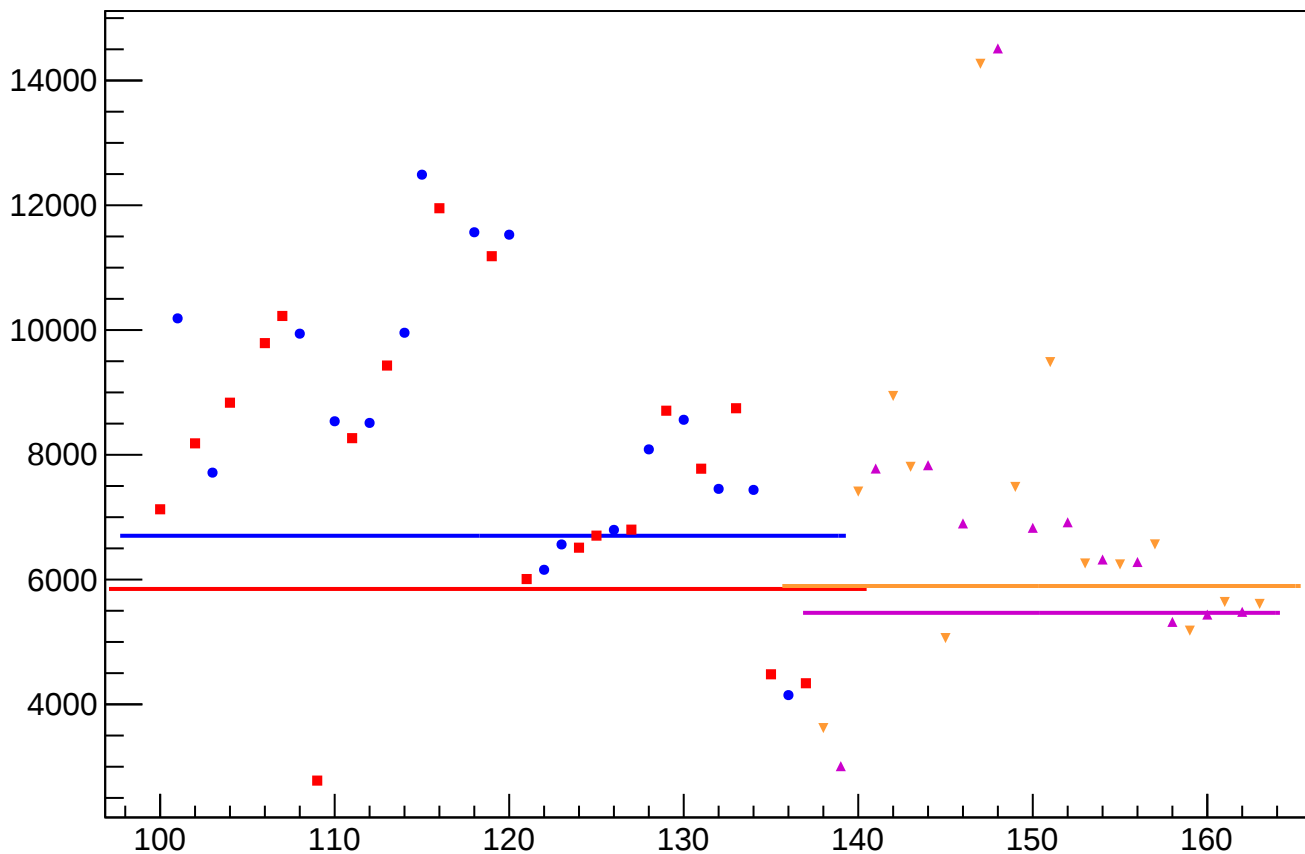
Right: 0.218 ± 1.828 $\chi^2/\text{NDF}: 38.9/35$

In: -0.274 ± 1.555 $\chi^2/\text{NDF}: 28.6/28$

Out: 0.433 ± 1.514 $\chi^2/\text{NDF}: 37.2/32$

All: 0.089 ± 1.085 $\chi^2/\text{NDF}: 65.9/61$

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6702.245+/-1.949 χ^2/NDF : 1389956.8/16

Left Out: 5897.018+/-1.364 χ^2/NDF : 1631206.2/13

Right Out: 5849.606+/-1.727 χ^2/NDF : 2278464.5/18

Left In: 5466.805+/-1.332 χ^2/NDF : 2112967.1/11

Left: 5676.702+/-0.953 χ^2/NDF : 3795089.7/25

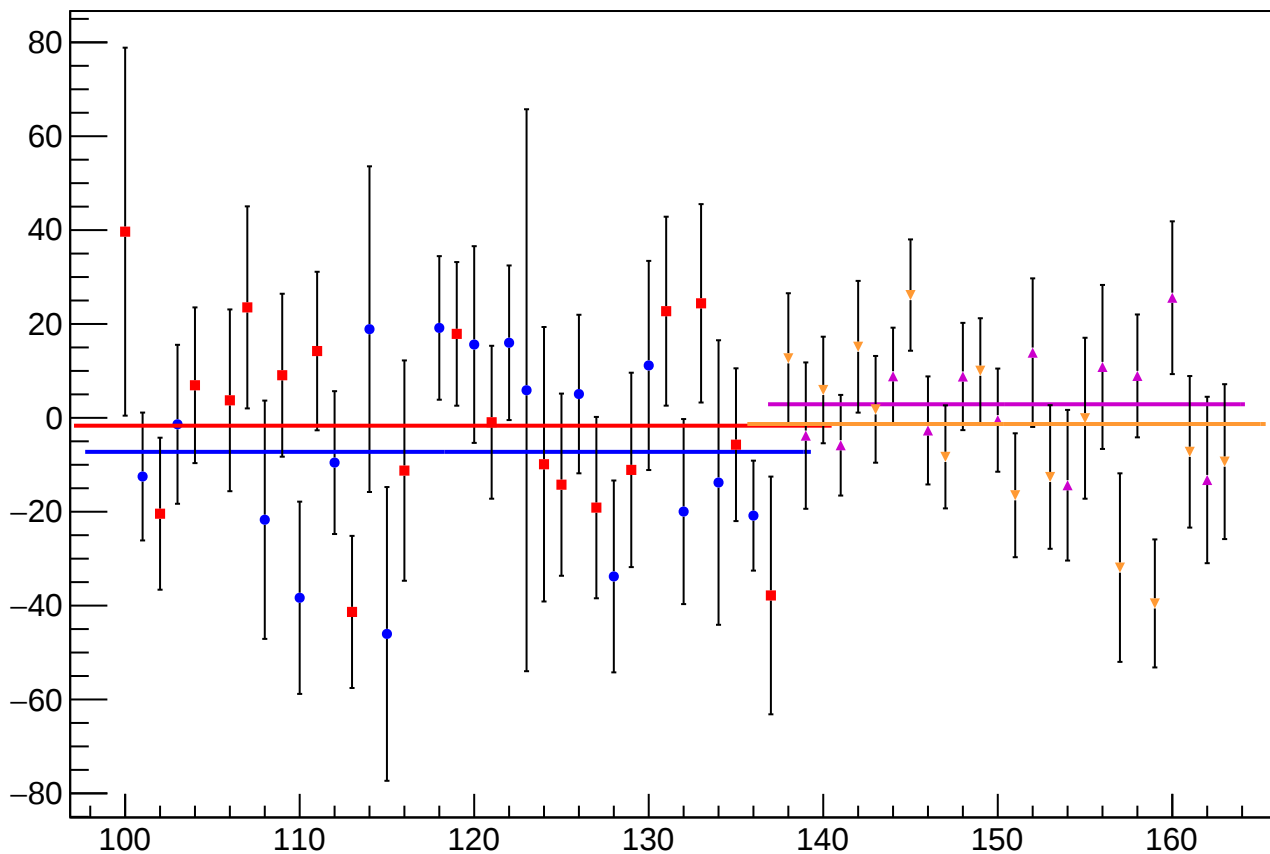
Right: 6224.538+/-1.293 χ^2/NDF : 3775609.7/35

In: 5859.928+/-1.100 χ^2/NDF : 3776777.4/28

Out: 5878.798+/-1.071 χ^2/NDF : 3910134.8/32

All: 5869.615+/-0.767 χ^2/NDF : 7687063.4/63

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -7.245 $\pm$ 4.547 χ^2/NDF : 15.9/16

Left Out: -1.310 $\pm$ 3.581 χ^2/NDF : 22.1/13

Right Out: -1.671 $\pm$ 4.373 χ^2/NDF : 19.9/18

Left In: 2.896 $\pm$ 3.791 χ^2/NDF : 6.6/11

Left: 0.673 $\pm$ 2.603 χ^2/NDF : 29.4/25

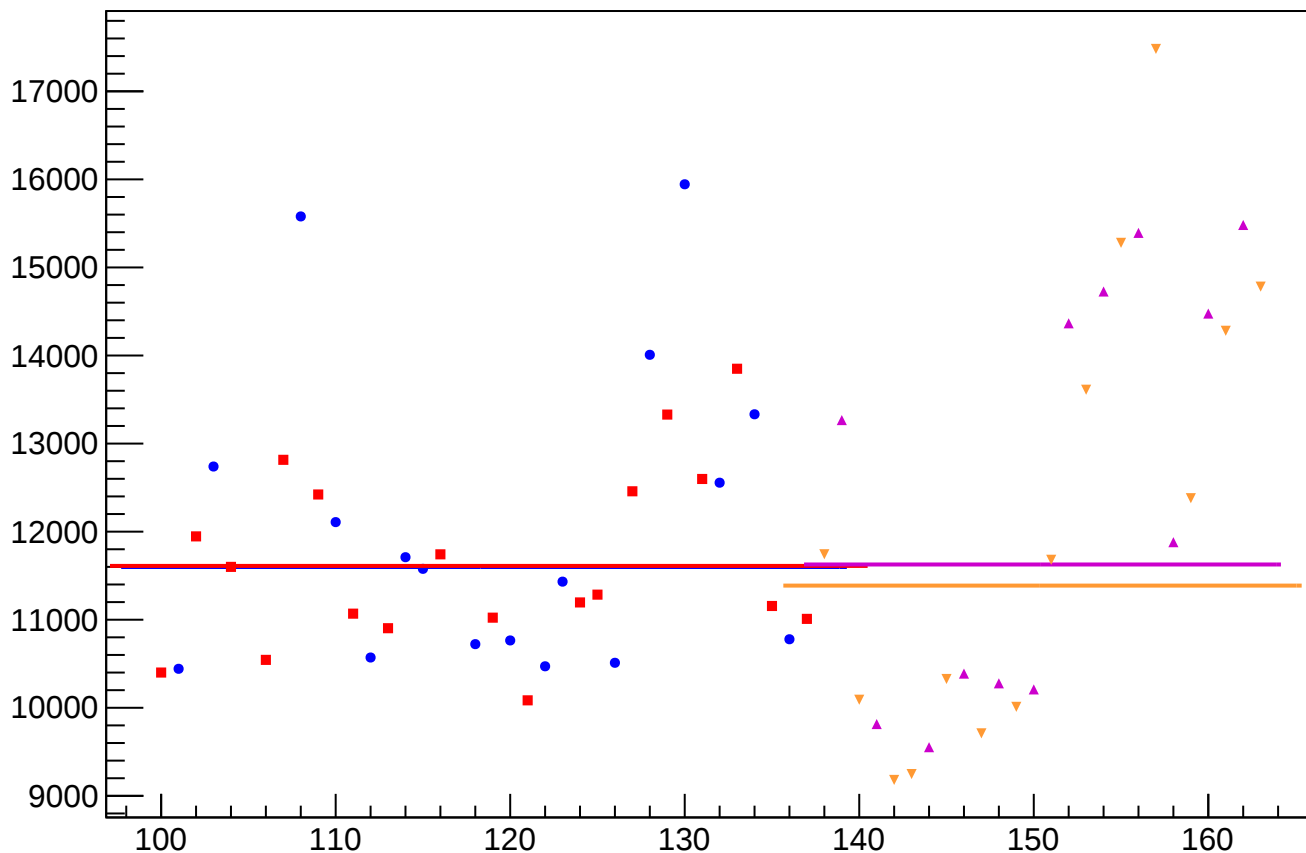
Right: -4.349 $\pm$ 3.152 χ^2/NDF : 36.6/35

In: -1.263 $\pm$ 2.912 χ^2/NDF : 25.5/28

Out: -1.455 $\pm$ 2.771 χ^2/NDF : 42.0/32

All: -1.364 $\pm$ 2.007 χ^2/NDF : 67.4/61

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11598.751+/-3.215 χ^2/NDF : 235423.8/16

Left Out: 11387.407+/-2.532 χ^2/NDF : 730597.1/13

Right Out: 11610.941+/-3.092 χ^2/NDF : 94447.0/18

Left In: 11627.117+/-2.681 χ^2/NDF : 627976.2/11

Left: 11500.452+/-1.841 χ^2/NDF : 1362798.4/25

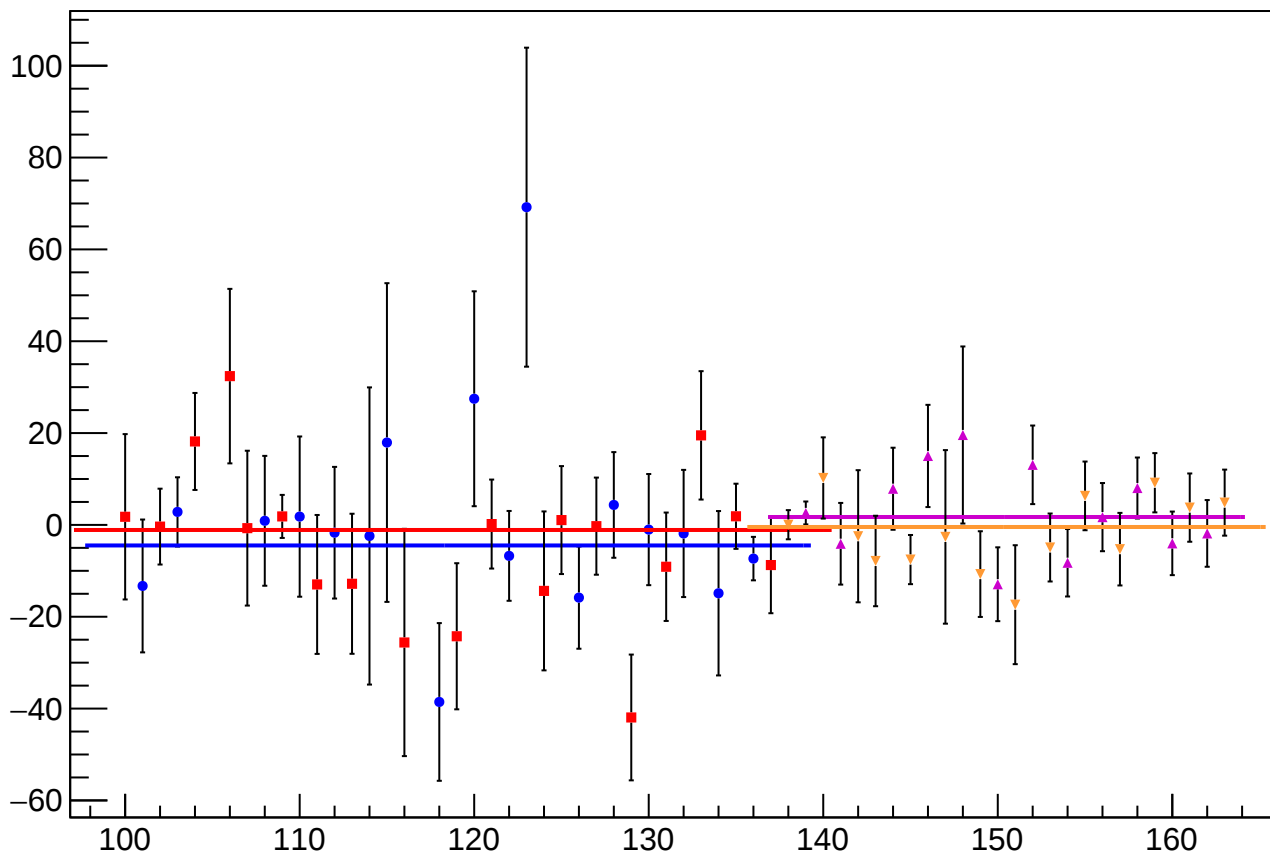
Right: 11605.084+/-2.229 χ^2/NDF : 329878.2/35

In: 11615.484+/-2.059 χ^2/NDF : 863445.9/28

Out: 11477.149+/-1.959 χ^2/NDF : 828171.9/32

All: 11542.887+/-1.419 χ^2/NDF : 1693986.8/66

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -4.476 ± 2.782 χ^2/NDF : 14.8/16

Left Out: -0.454 ± 1.839 χ^2/NDF : 11.4/13

Right Out: -1.105 ± 2.429 χ^2/NDF : 24.0/18

Left In: 1.723 ± 1.753 χ^2/NDF : 12.1/11

Left: 0.686 ± 1.269 χ^2/NDF : 24.2/25

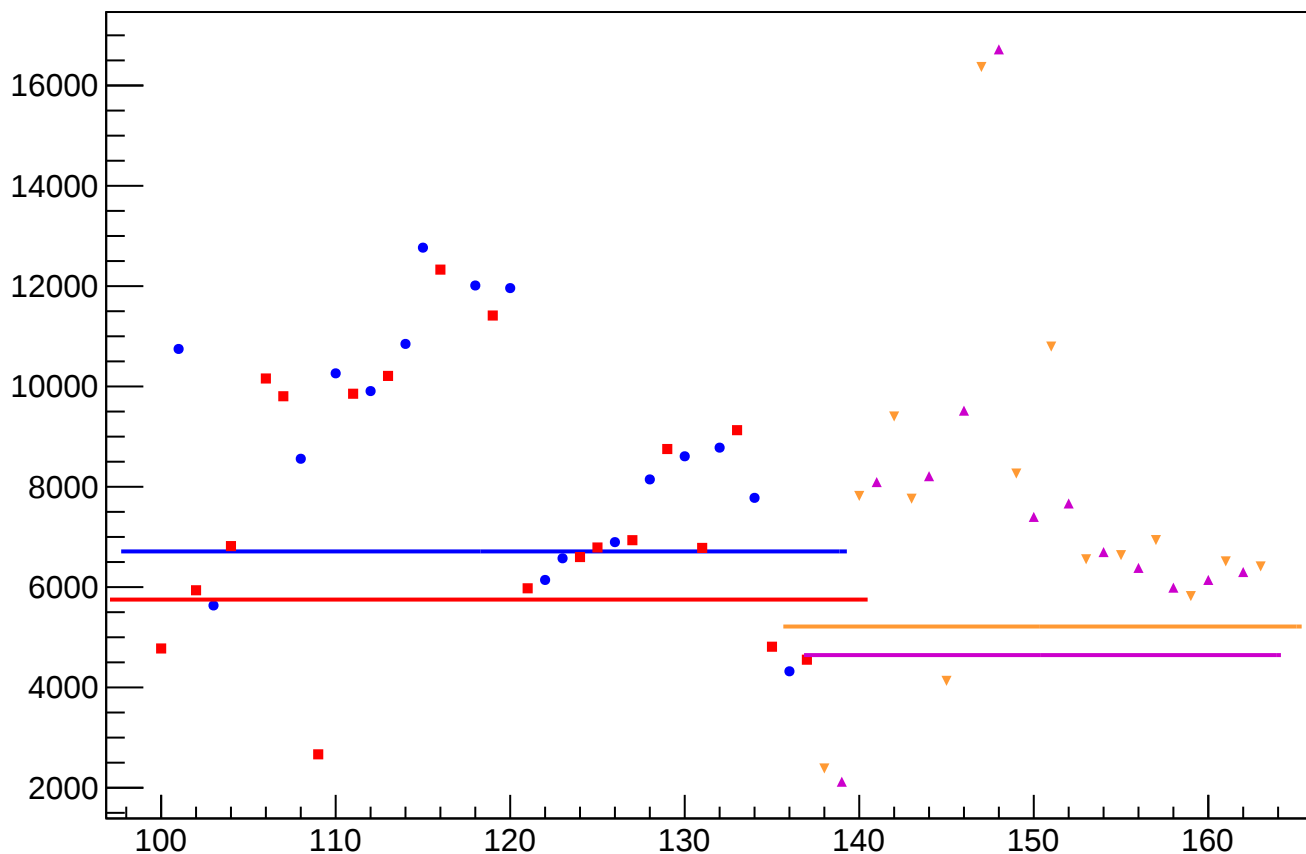
Right: -2.563 ± 1.830 χ^2/NDF : 39.7/35

In: -0.039 ± 1.483 χ^2/NDF : 30.5/28

Out: -0.691 ± 1.466 χ^2/NDF : 35.5/32

All: -0.369 ± 1.043 χ^2/NDF : 66.1/61

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6711.550+/-1.967 χ^2/NDF : 1446972.0/16

Left Out: 5214.327+/-1.300 χ^2/NDF : 3793249.8/13

Right Out: 5751.505+/-1.718 χ^2/NDF : 2165110.0/18

Left In: 4644.727+/-1.240 χ^2/NDF : 4871285.0/11

Left: 4915.919+/-0.897 χ^2/NDF : 8765059.0/25

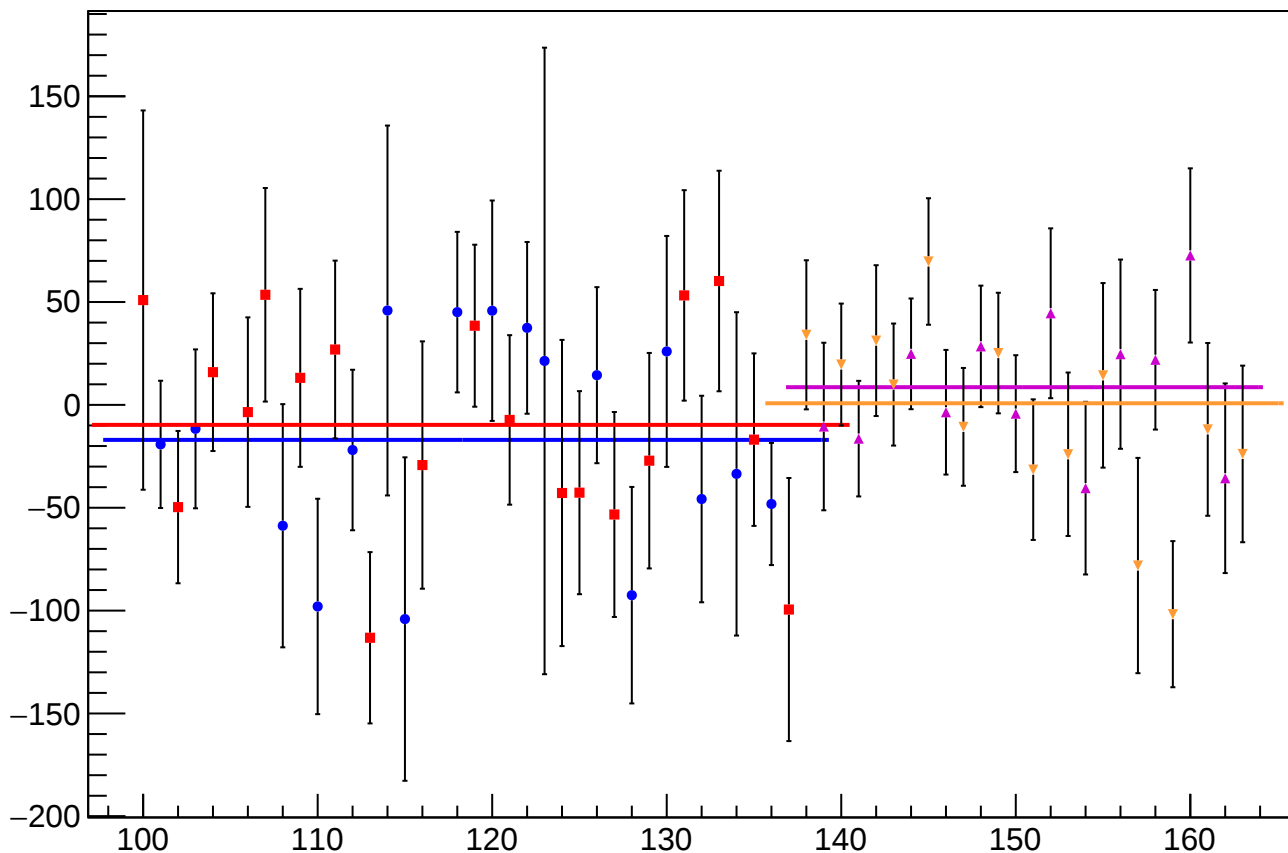
Right: 6166.836+/-1.294 χ^2/NDF : 3747249.5/35

In: 5232.269+/-1.049 χ^2/NDF : 7108509.1/28

Out: 5410.046+/-1.037 χ^2/NDF : 6020538.9/32

All: 5322.181+/-0.737 χ^2/NDF : 13143581.3/66

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -17.010 $\pm$ 11.287 χ^2 /NDF: 15.0/16

Left Out: 0.777 $\pm$ 9.334 χ^2 /NDF:20.3/13

Right Out: -9.719 $\pm$ 10.891 χ^2 /NDF: 19.1/18

Left In: 8.601 $\pm$ 9.877 χ^2 /NDF:7.8/11

Left: 4.468 $\pm$ 6.784 χ^2 /NDF: 28.4/25

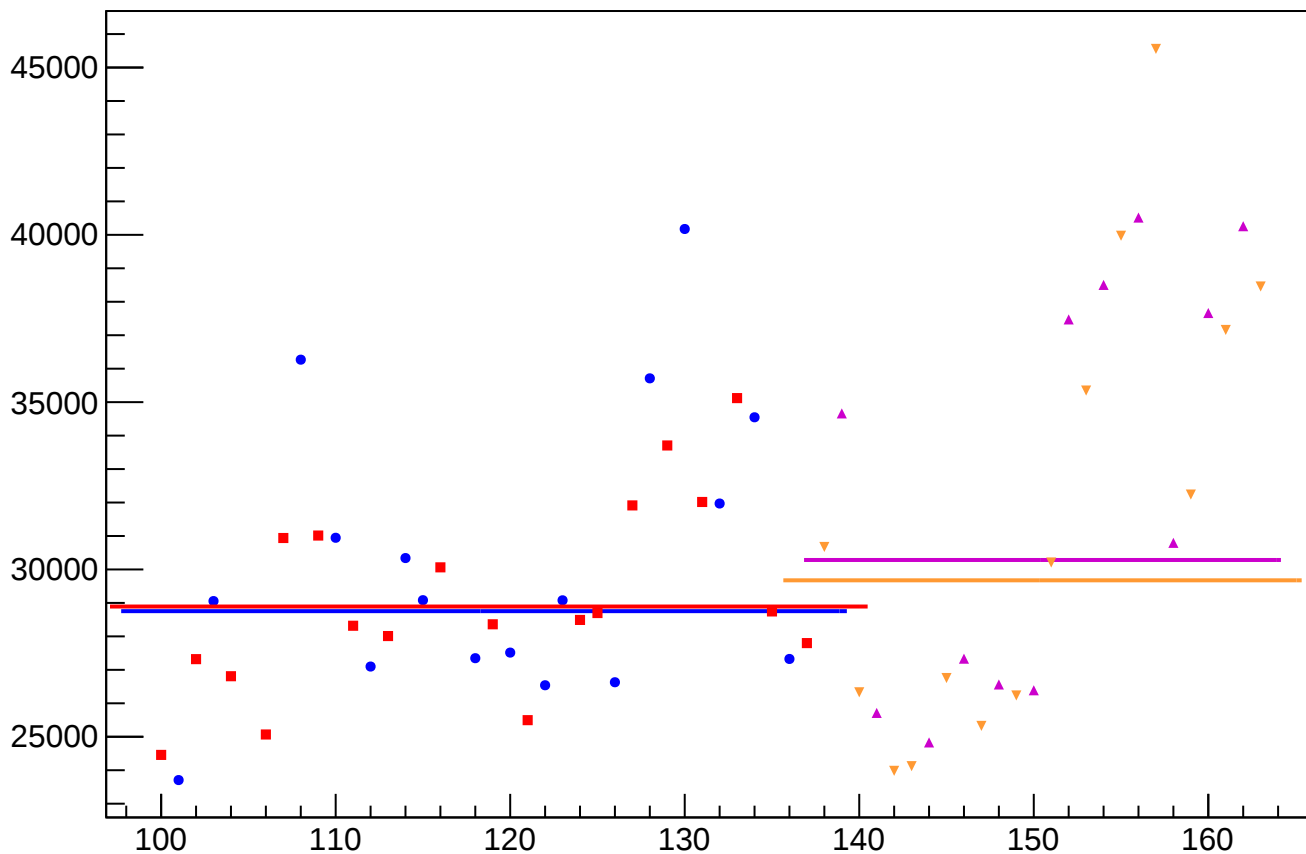
Right: -13.234 $\pm$ 7.837 χ^2 /NDF: 34.3/35

In: -2.505 $\pm$ 7.433 χ^2 /NDF:25.7/28

Out: -3.668 $\pm$ 7.087 χ^2 /NDF:39.9/32

All: -3.114 $\pm$ 5.129 χ^2 /NDF: 65.6/61

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28753.787+/-7.981 χ^2/NDF : 249215.1/16

Left Out: 29675.239+/-6.600 χ^2/NDF : 725705.5/13

Right Out: 28892.154+/-7.701 χ^2/NDF : 111241.2/18

Left In: 30283.120+/-6.984 χ^2/NDF : 637809.6/11

Left: 29962.007+/-4.797 χ^2/NDF : 1367517.2/25

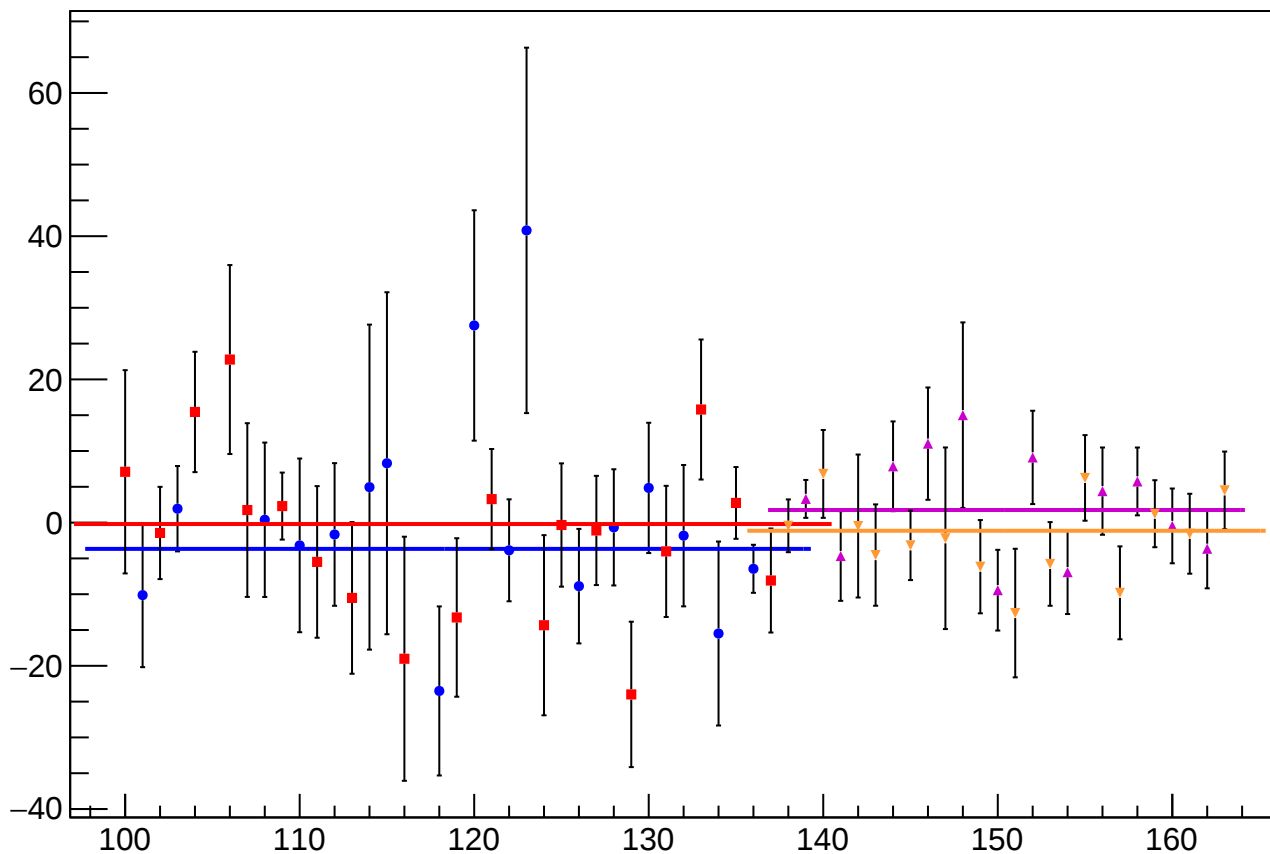
Right: 28825.443+/-5.542 χ^2/NDF : 360612.0/35

In: 29619.926+/-5.256 χ^2/NDF : 907819.6/28

Out: 29343.636+/-5.011 χ^2/NDF : 842908.3/32

All: 29475.204+/-3.627 χ^2/NDF : 1752175.4/60

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -3.668 $\pm$ 2.010 χ^2/NDF : 14.5/16

Left Out: -1.141 $\pm$ 1.566 χ^2/NDF : 9.6/13

Right Out: -0.199 $\pm$ 1.893 χ^2/NDF : 22.3/18

Left In: 1.760 $\pm$ 1.506 χ^2/NDF : 14.2/11

Left: 0.366 $\pm$ 1.085 χ^2/NDF : 25.7/25

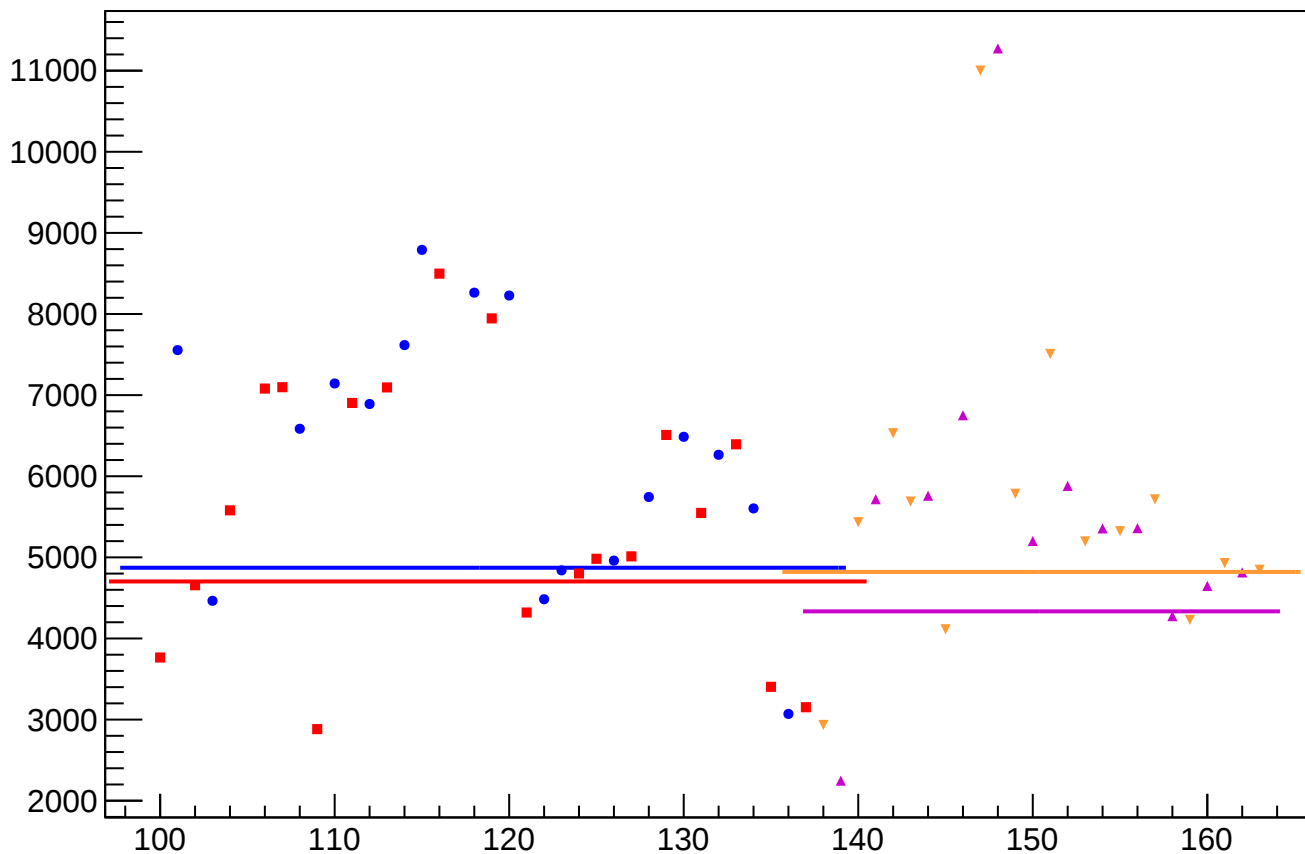
Right: -1.830 $\pm$ 1.378 χ^2/NDF : 38.4/35

In: -0.192 $\pm$ 1.205 χ^2/NDF : 33.4/28

Out: -0.758 $\pm$ 1.207 χ^2/NDF : 32.1/32

All: -0.474 $\pm$ 0.853 χ^2/NDF : 65.6/61

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4872.105 ± 1.421 $\chi^2/\text{NDF}: 1405253.2/16$

Left Out: 4820.540 ± 1.107 $\chi^2/\text{NDF}: 1466692.3/13$

Right Out: 4702.994 ± 1.338 $\chi^2/\text{NDF}: 1312720.8/18$

Left In: 4334.208 ± 1.065 $\chi^2/\text{NDF}: 2509334.6/11$

Left: 4567.808 ± 0.767 $\chi^2/\text{NDF}: 4076254.8/25$

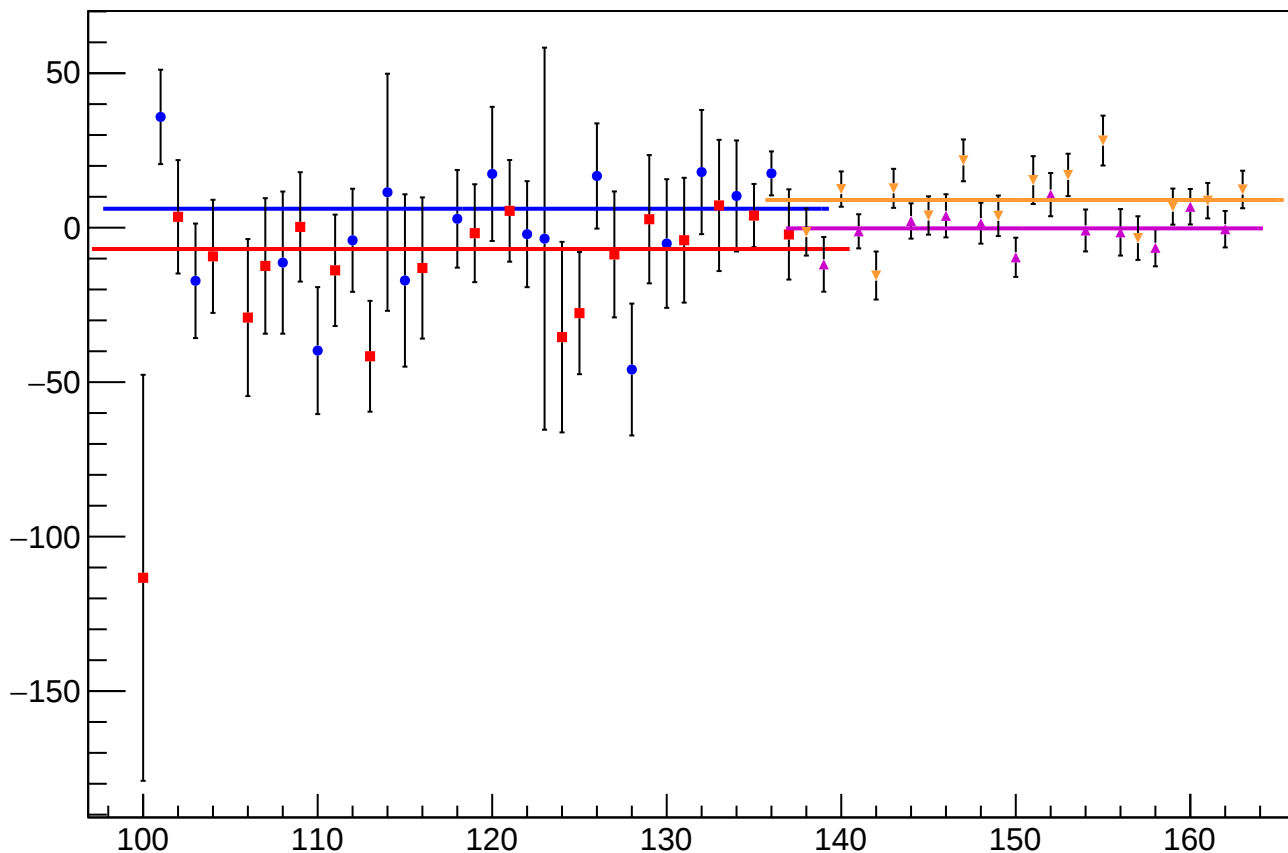
Right: 4782.480 ± 0.974 $\chi^2/\text{NDF}: 2725478.8/35$

In: 4527.575 ± 0.852 $\chi^2/\text{NDF}: 4006350.0/28$

Out: 4772.768 ± 0.853 $\chi^2/\text{NDF}: 2783992.2/32$

All: 4650.010 ± 0.603 $\chi^2/\text{NDF}: 6831691.5/63$

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 6.133 $\pm$ 4.080 χ^2 /NDF: 22.2/16

Left Out: 8.968 $\pm$ 1.766 χ^2 /NDF:28.6/13

Right Out: -6.892 $\pm$ 4.224 χ^2 /NDF: 12.5/18

Left In: -0.222 $\pm$ 1.854 χ^2 /NDF:9.6/11

Left: 4.596 $\pm$ 1.279 χ^2 /NDF: 51.1/25

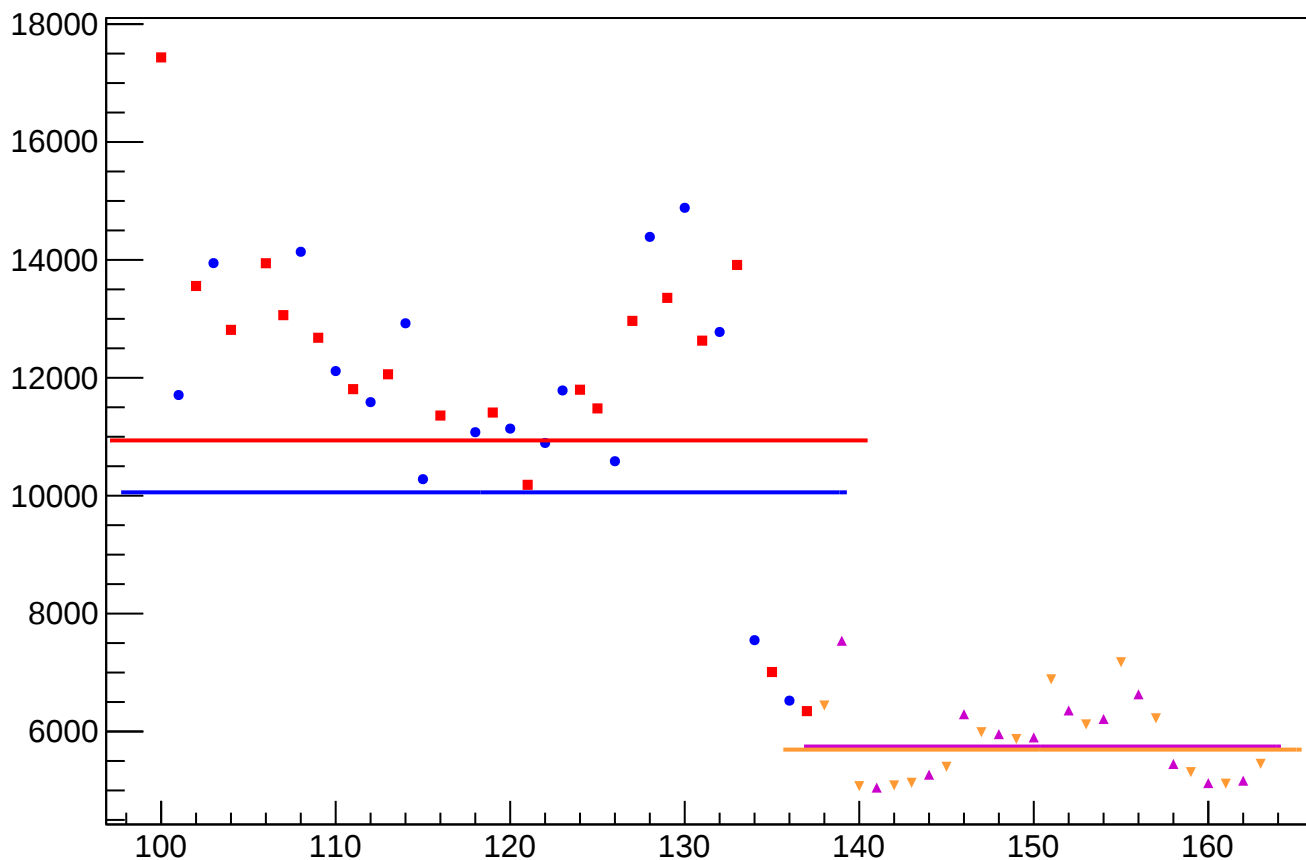
Right: -0.153 $\pm$ 2.935 χ^2 /NDF: 39.6/35

In: 0.865 $\pm$ 1.688 χ^2 /NDF:33.8/28

Out: 6.609 $\pm$ 1.629 χ^2 /NDF:53.1/32

All: 3.838 $\pm$ 1.172 χ^2 /NDF: 92.9/61

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10056.991 $\pm$ 2.885 χ^2 /NDF: 1002872.6/16

Left Out: 5692.445 $\pm$ 1.249 χ^2 /NDF:246700.5/13

Right Out: 10937.573 $\pm$ 2.987 χ^2 /NDF: 762909.5/18

Left In: 5744.995 $\pm$ 1.311 χ^2 /NDF:243466.8/11

Left: 5717.444 $\pm$ 0.904 χ^2 /NDF: 491009.8/25

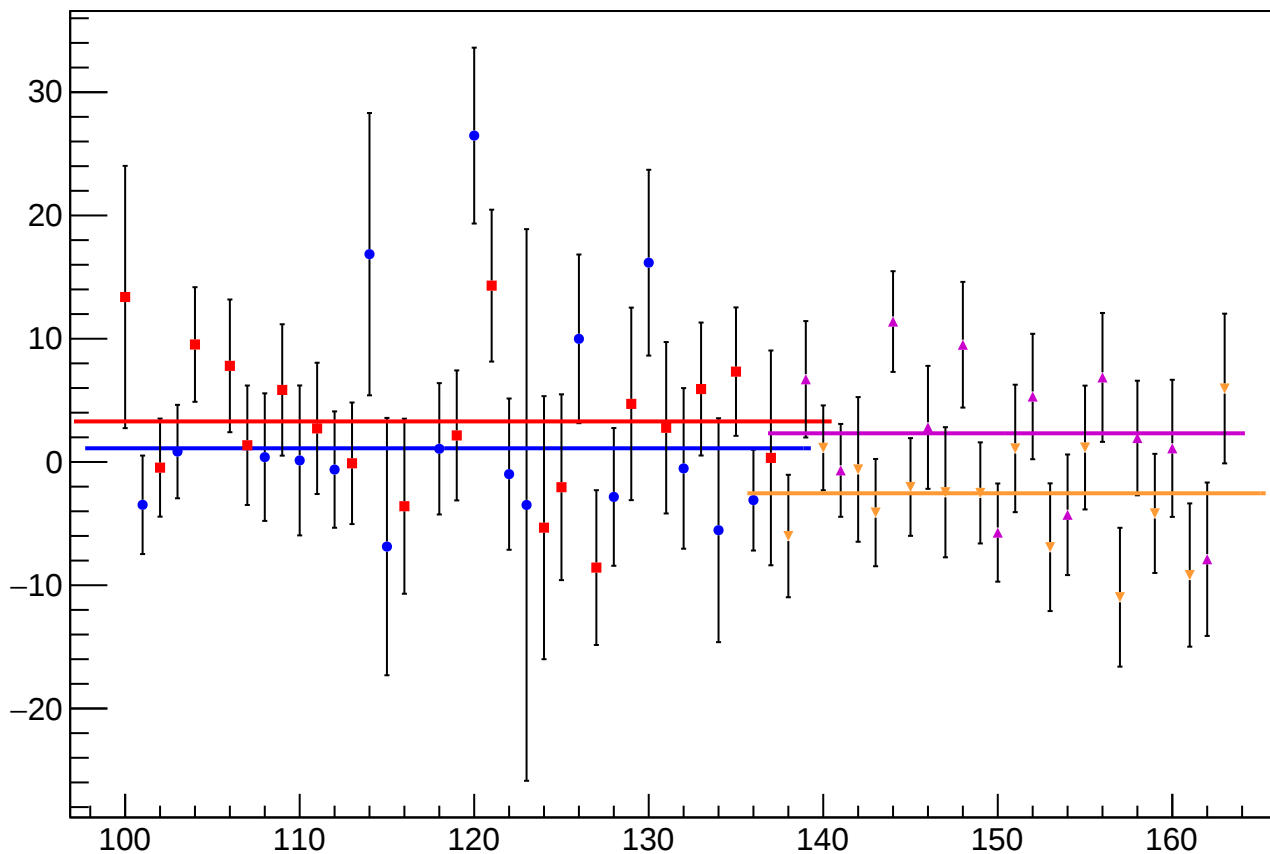
Right: 10481.996 $\pm$ 2.075 χ^2 /NDF: 1810742.6/35

In: 6482.853 $\pm$ 1.193 χ^2 /NDF:3097812.0/28

Out: 6472.715 $\pm$ 1.152 χ^2 /NDF:3634209.7/32

All: 6477.605 $\pm$ 0.829 χ^2 /NDF: 6732059.0/63

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.112 ± 1.403 $\chi^2/\text{NDF}: 24.6/16$

Left Out: -2.539 ± 1.279 $\chi^2/\text{NDF}: 9.3/13$

Right Out: 3.290 ± 1.334 $\chi^2/\text{NDF}: 15.1/18$

Left In: 2.326 ± 1.363 $\chi^2/\text{NDF}: 18.2/11$

Left: -0.260 ± 0.933 $\chi^2/\text{NDF}: 34.2/25$

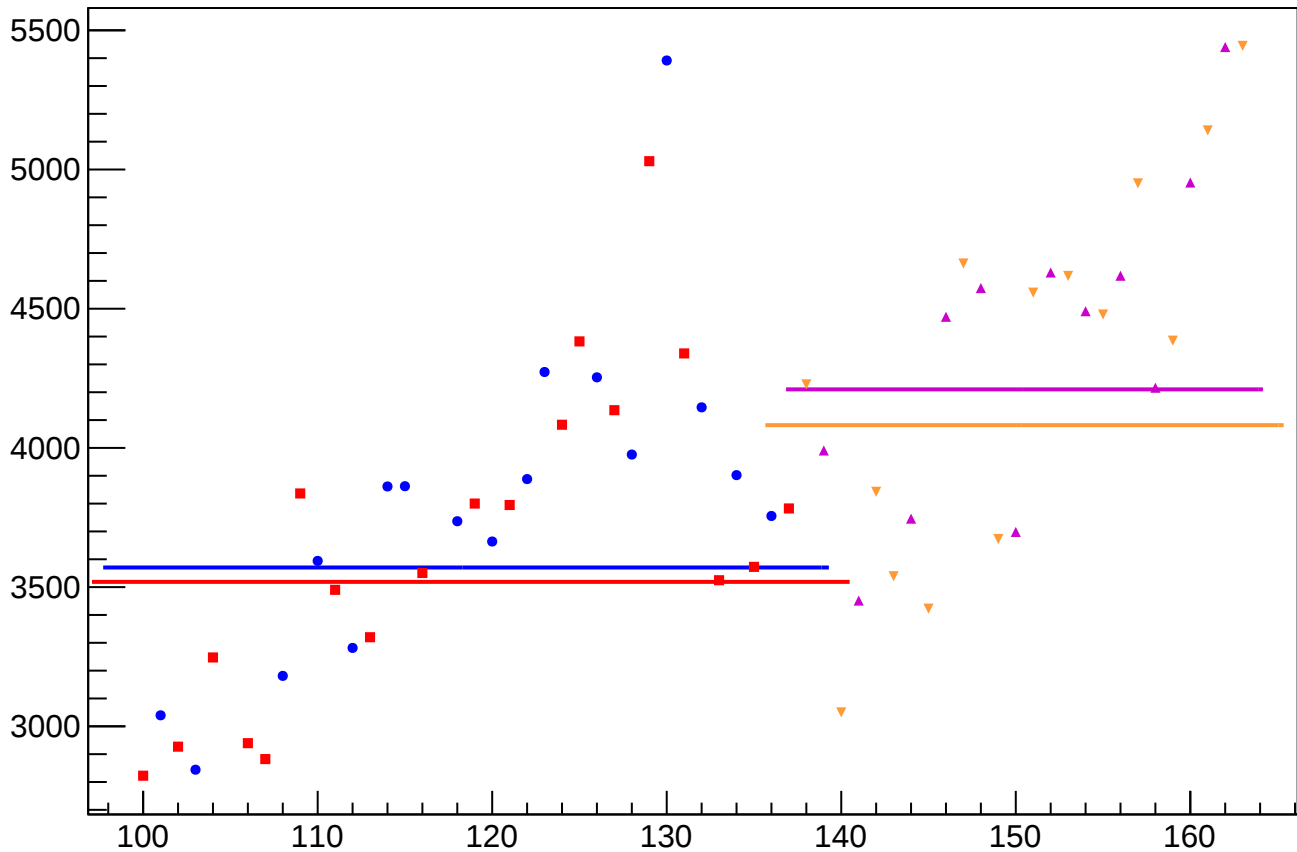
Right: 2.256 ± 0.967 $\chi^2/\text{NDF}: 40.9/35$

In: 1.737 ± 0.978 $\chi^2/\text{NDF}: 43.2/28$

Out: 0.254 ± 0.923 $\chi^2/\text{NDF}: 34.3/32$

All: 0.953 ± 0.671 $\chi^2/\text{NDF}: 78.7/61$

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3570.481+/-0.992 χ^2/NDF : 309699.2/16

Left Out: 4081.726+/-0.905 χ^2/NDF : 588646.3/13

Right Out: 3518.886+/-0.943 χ^2/NDF : 293392.5/18

Left In: 4210.278+/-0.964 χ^2/NDF : 306144.2/11

Left: 4141.932+/-0.660 χ^2/NDF : 904250.2/25

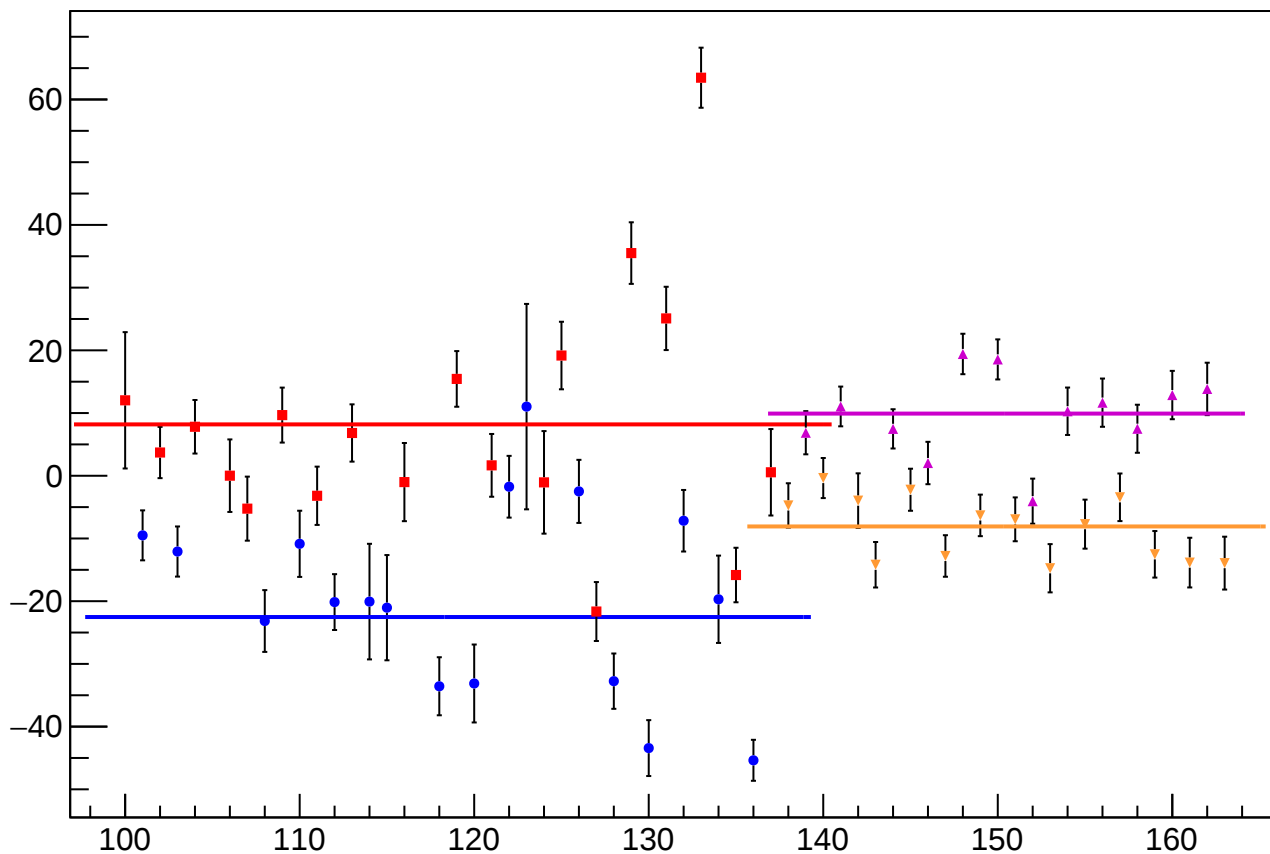
Right: 3543.379+/-0.683 χ^2/NDF : 604512.8/35

In: 3899.609+/-0.691 χ^2/NDF : 829850.4/28

Out: 3812.024+/-0.653 χ^2/NDF : 1067576.1/32

All: 3853.313+/-0.475 χ^2/NDF : 1905913.1/63

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.526 $\pm$ 1.201 χ^2 /NDF: 155.5/16

Left Out: -8.083 $\pm$ 0.974 χ^2 /NDF:25.9/13

Right Out: 8.192 $\pm$ 1.157 χ^2 /NDF: 275.8/18

Left In: 9.914 $\pm$ 1.013 χ^2 /NDF:40.1/11

Left: 0.563 $\pm$ 0.702 χ^2 /NDF: 230.2/25

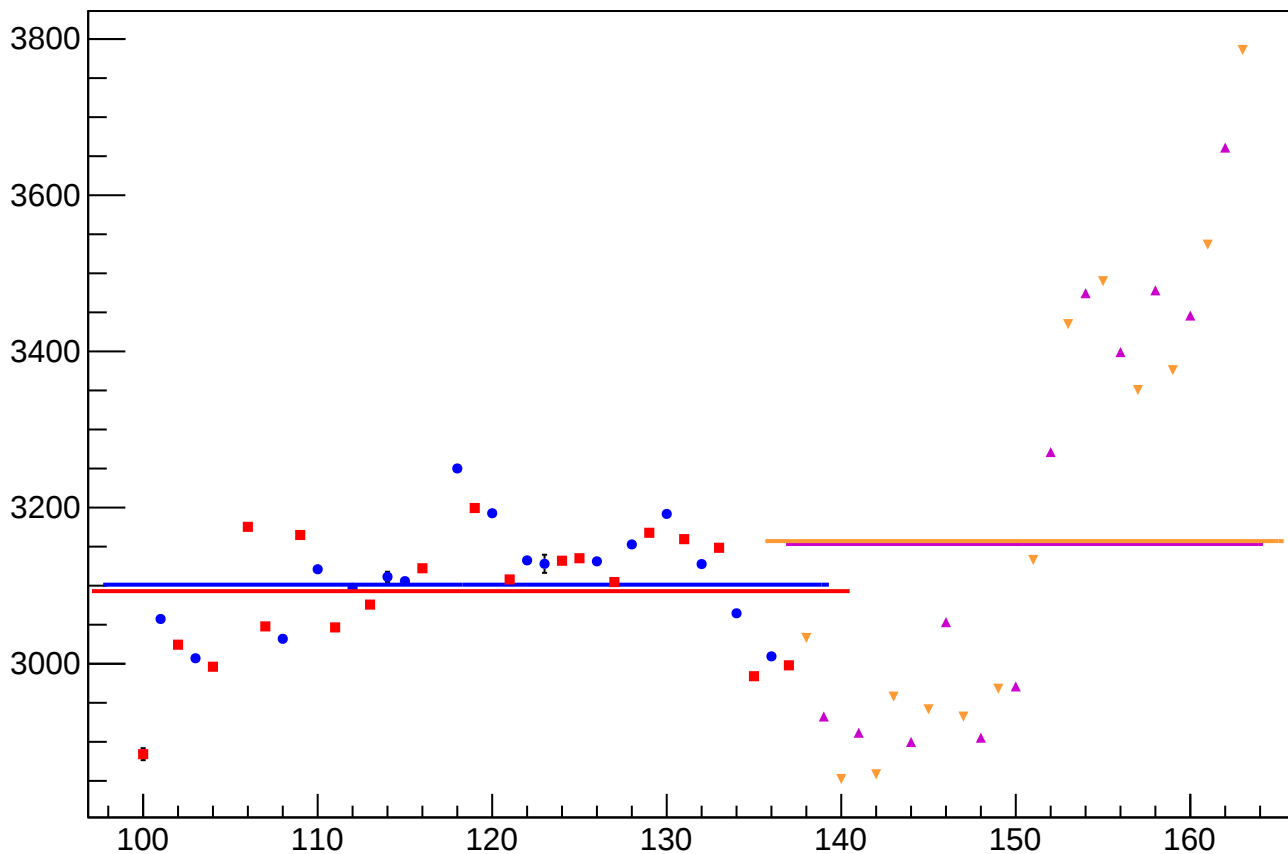
Right: -6.598 $\pm$ 0.833 χ^2 /NDF: 770.8/35

In: -3.570 $\pm$ 0.774 χ^2 /NDF:622.3/28

Out: -1.335 $\pm$ 0.745 χ^2 /NDF:417.6/32

All: -2.410 $\pm$ 0.537 χ^2 /NDF: 1044.2/61

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3101.270 ± 0.849 $\chi^2/\text{NDF}: 7233.8/16$

Left Out: 3157.073 ± 0.689 $\chi^2/\text{NDF}: 160155.1/13$

Right Out: 3092.993 ± 0.818 $\chi^2/\text{NDF}: 7766.0/18$

Left In: 3153.378 ± 0.716 $\chi^2/\text{NDF}: 133258.5/11$

Left: 3155.298 ± 0.496 $\chi^2/\text{NDF}: 293427.5/25$

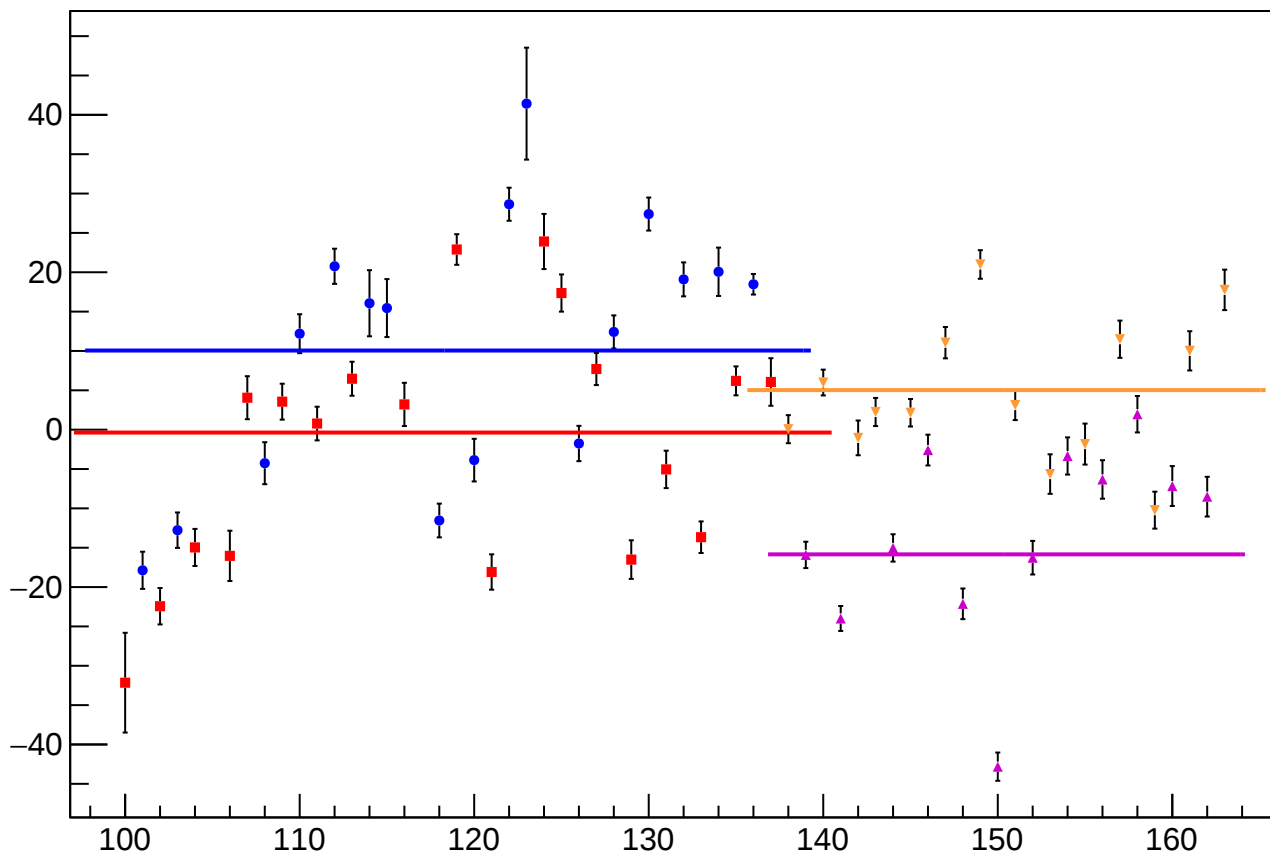
Right: 3096.979 ± 0.589 $\chi^2/\text{NDF}: 15049.1/35$

In: 3131.719 ± 0.547 $\chi^2/\text{NDF}: 142693.9/28$

Out: 3130.503 ± 0.527 $\chi^2/\text{NDF}: 171512.8/32$

All: 3131.088 ± 0.380 $\chi^2/\text{NDF}: 314209.3/61$

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 10.055 ± 0.562 χ^2/NDF : 692.2/16

Left Out: 5.025 ± 0.547 χ^2/NDF : 211.3/13

Right Out: -0.367 ± 0.547 χ^2/NDF : 629.8/18

Left In: -15.845 ± 0.579 χ^2/NDF : 431.2/11

Left: -4.827 ± 0.398 χ^2/NDF : 1328.9/25

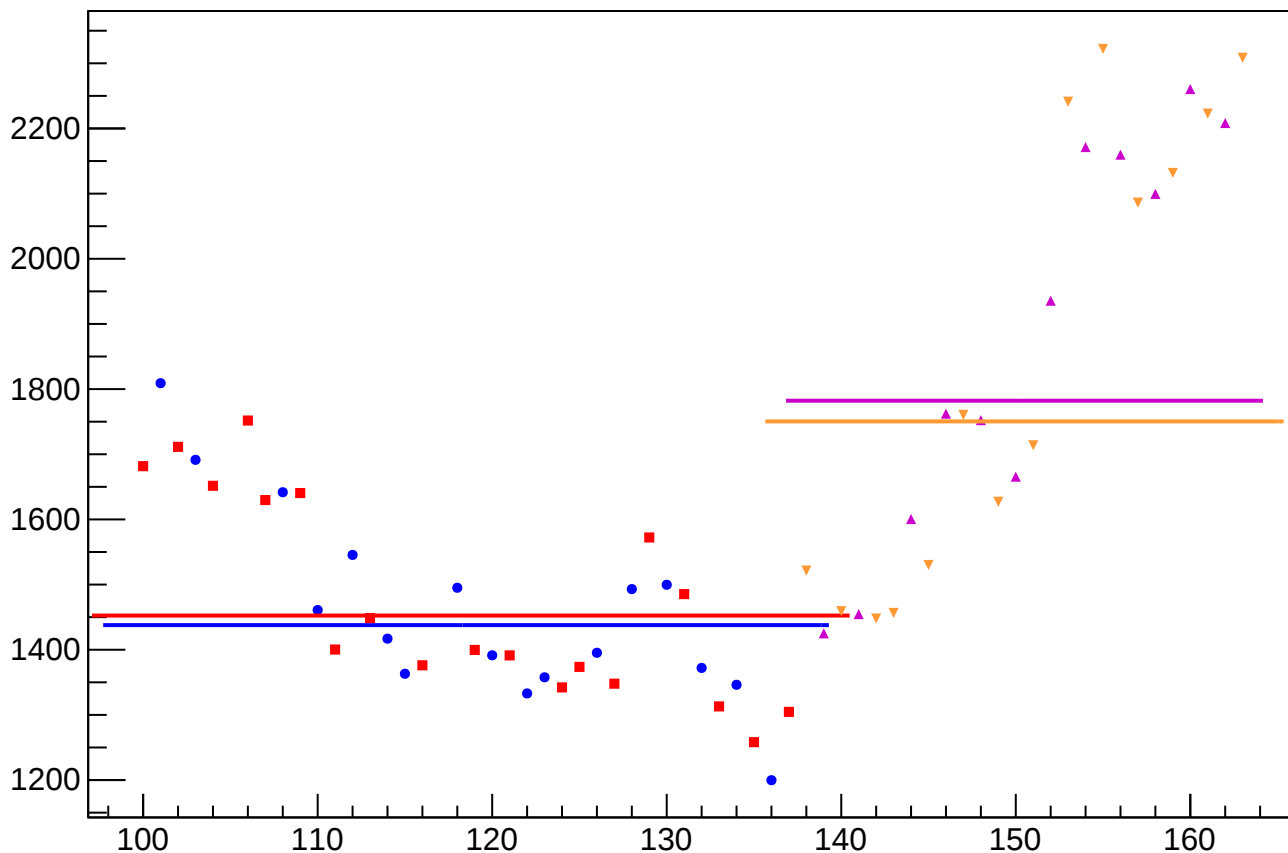
Right: 4.707 ± 0.392 χ^2/NDF : 1498.8/35

In: -2.506 ± 0.403 χ^2/NDF : 2154.7/28

Out: 2.328 ± 0.387 χ^2/NDF : 889.7/32

All: 0.010 ± 0.279 χ^2/NDF : 3119.3/61

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1437.776 $\pm$ 0.397 χ^2/NDF : 173216.2/16

Left Out: 1750.427 $\pm$ 0.387 χ^2/NDF : 661196.2/13

Right Out: 1452.469 $\pm$ 0.387 χ^2/NDF : 138605.8/18

Left In: 1782.186 $\pm$ 0.409 χ^2/NDF : 485379.8/11

Left: 1765.419 $\pm$ 0.281 χ^2/NDF : 1149755.5/25

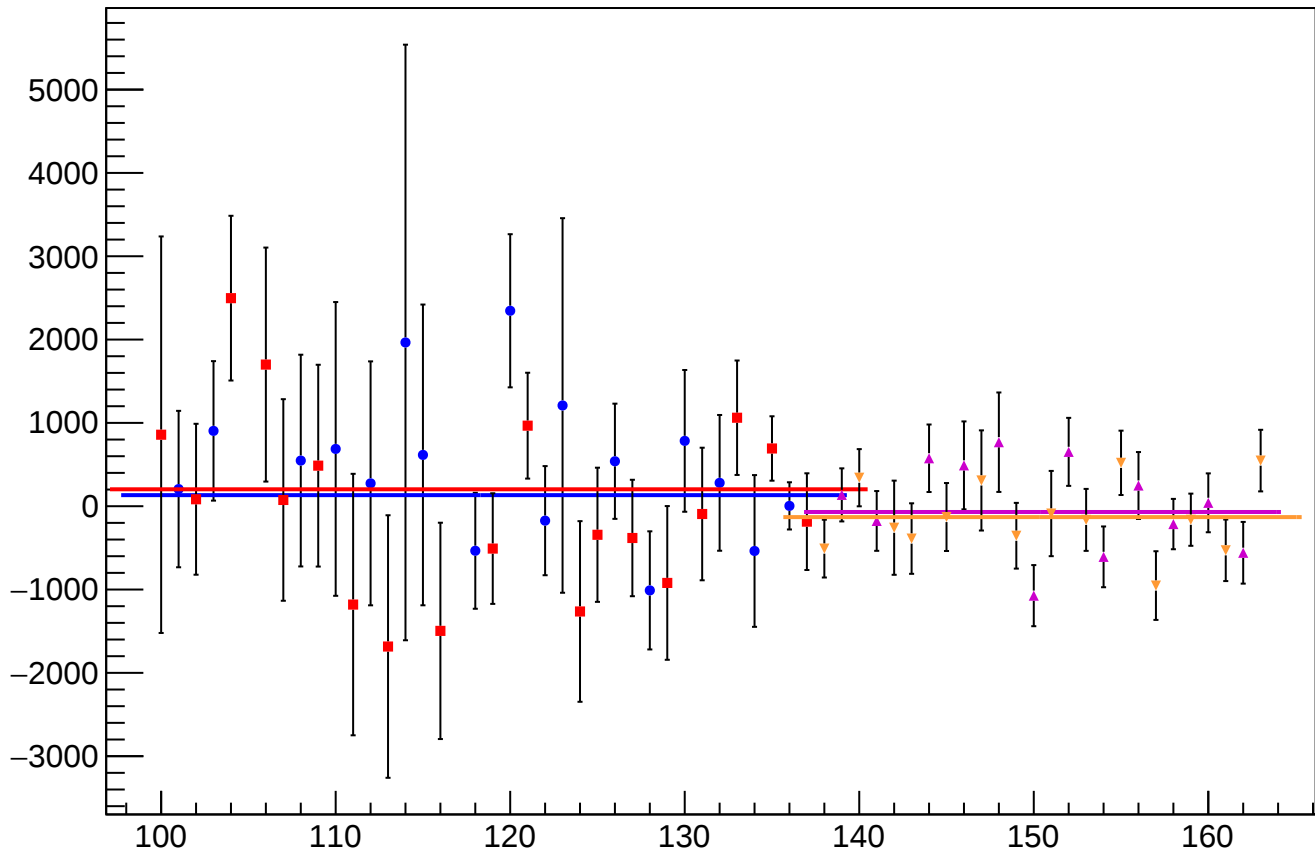
Right: 1445.316 $\pm$ 0.277 χ^2/NDF : 312524.3/35

In: 1604.815 $\pm$ 0.285 χ^2/NDF : 1023345.9/28

Out: 1601.382 $\pm$ 0.274 χ^2/NDF : 1096352.9/32

All: 1603.028 $\pm$ 0.197 χ^2/NDF : 2119774.3/63

asym_sam1_mean vs Slug, Sign Corrected



Right In: 132.921 ± 180.271 $\chi^2/\text{NDF}: 12.9/16$

Left Out: -130.717 ± 105.869 $\chi^2/\text{NDF}: 15.7/13$

Right Out: 203.062 ± 184.353 $\chi^2/\text{NDF}: 21.4/18$

Left In: -69.325 ± 109.414 $\chi^2/\text{NDF}: 21.6/11$

Left: -101.031 ± 76.083 $\chi^2/\text{NDF}: 37.5/25$

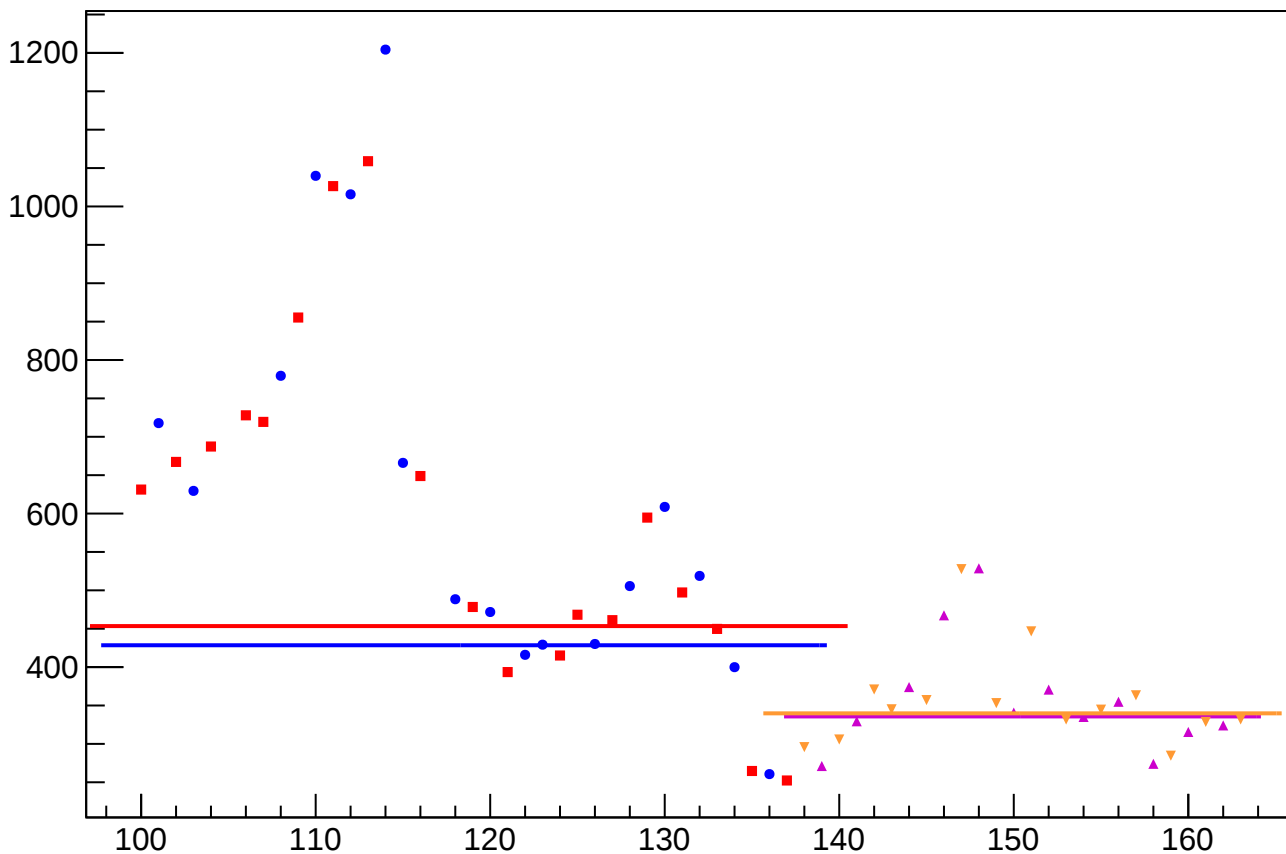
Right: 167.206 ± 128.890 $\chi^2/\text{NDF}: 34.4/35$

In: -14.879 ± 93.534 $\chi^2/\text{NDF}: 35.4/28$

Out: -47.939 ± 91.807 $\chi^2/\text{NDF}: 39.6/32$

All: -31.717 ± 65.519 $\chi^2/\text{NDF}: 75.1/61$

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.460 $\pm$ 0.127 χ^2 /NDF: 2011453.8/16

Left Out: 339.770 $\pm$ 0.075 χ^2 /NDF: 419092.9/13

Right Out: 453.435 $\pm$ 0.130 χ^2 /NDF: 2029813.8/18

Left In: 335.756 $\pm$ 0.077 χ^2 /NDF: 545821.2/11

Left: 337.830 $\pm$ 0.054 χ^2 /NDF: 966304.3/25

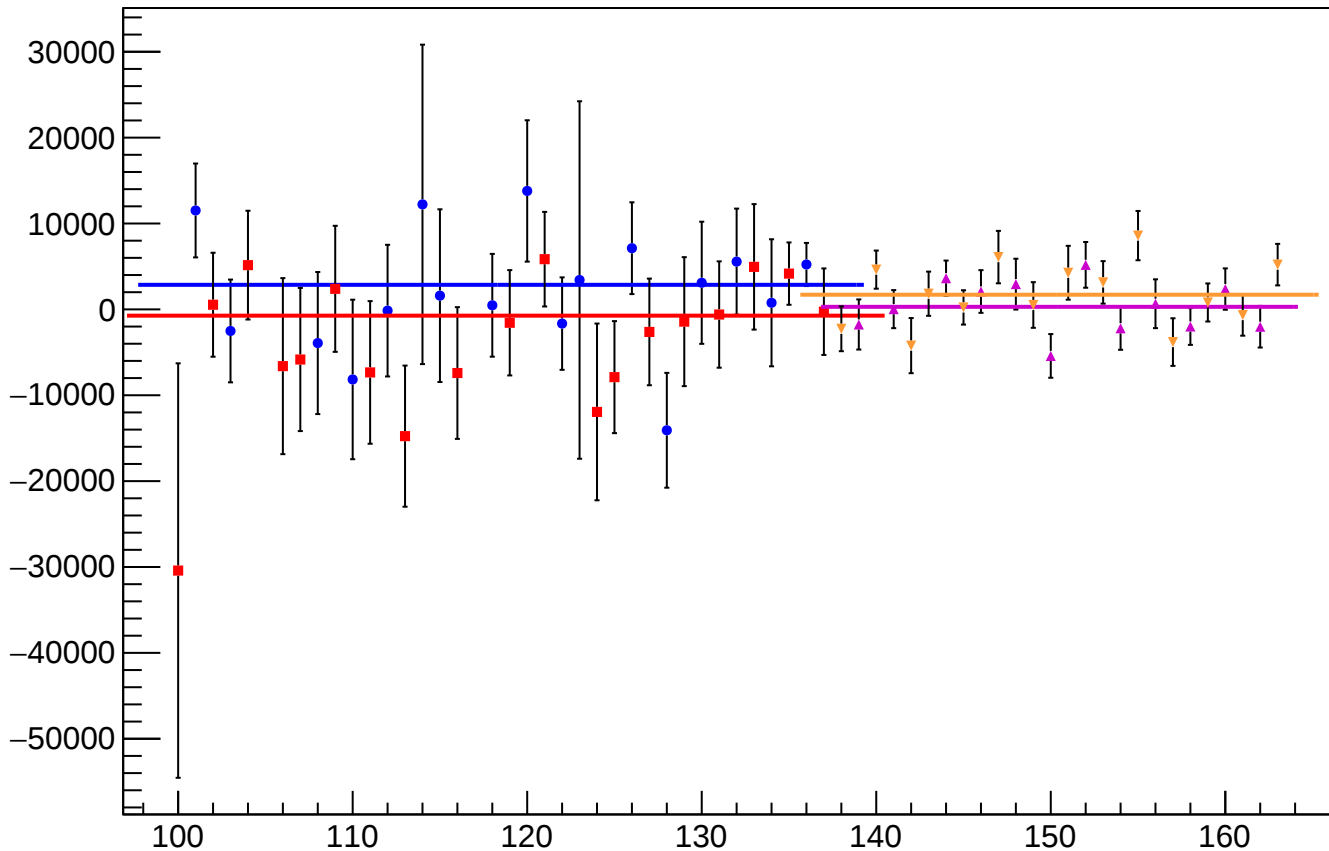
Right: 440.668 $\pm$ 0.091 χ^2 /NDF: 4060031.3/35

In: 360.713 $\pm$ 0.066 χ^2 /NDF: 2943791.3/28

Out: 367.959 $\pm$ 0.065 χ^2 /NDF: 3020647.1/32

All: 364.404 $\pm$ 0.046 χ^2 /NDF: 5970552.2/61

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2859.622 $\pm$ 1447.884 χ^2 /NDF: 16.7/16

Left Out: 1707.381 $\pm$ 680.182 χ^2 /NDF:24.2/13

Right Out: -729.571 $\pm$ 1509.224 χ^2 /NDF: 14.0/18

Left In: 297.014 $\pm$ 711.860 χ^2 /NDF:16.7/11

Left: 1034.276 $\pm$ 491.779 χ^2 /NDF: 42.9/25

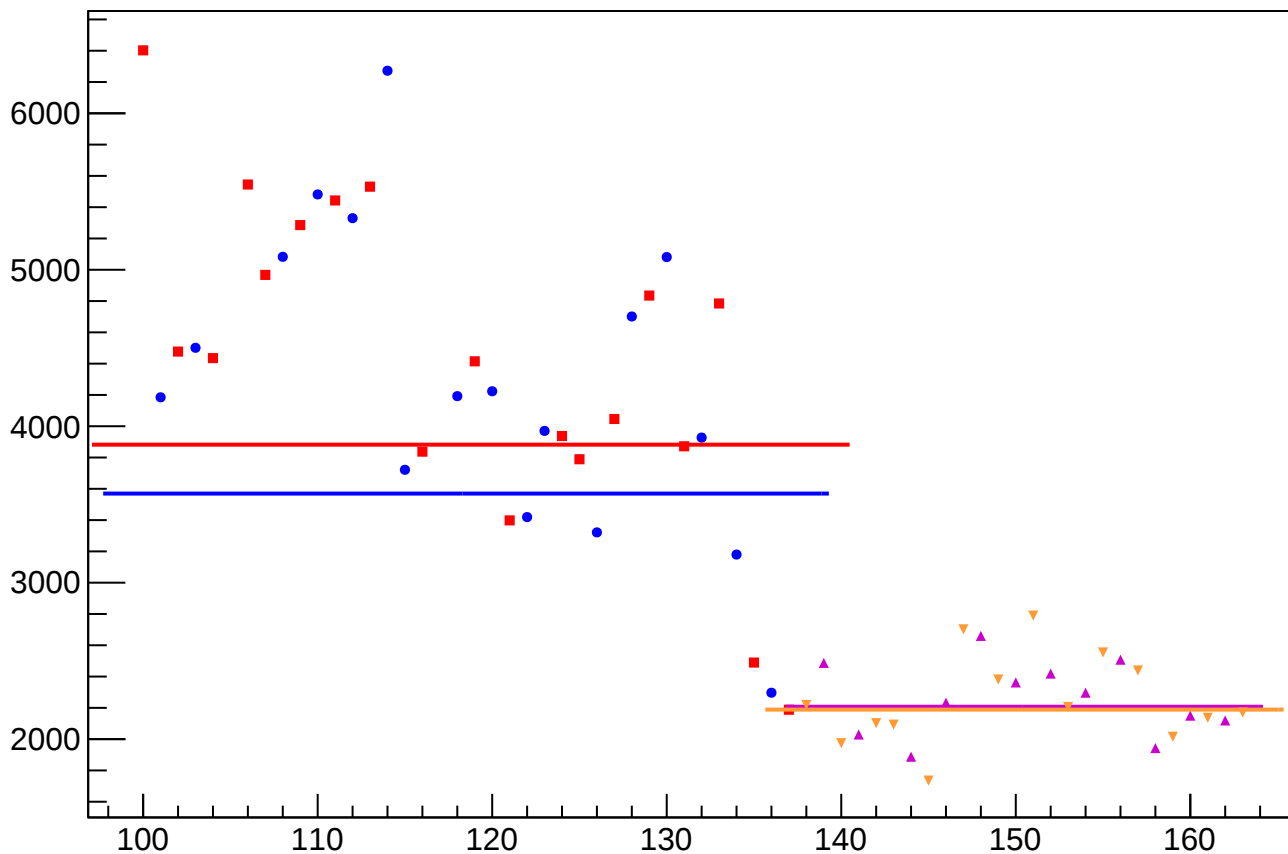
Right: 1139.446 $\pm$ 1044.821 χ^2 /NDF: 33.6/35

In: 795.874 $\pm$ 638.825 χ^2 /NDF:35.9/28

Out: 1295.964 $\pm$ 620.114 χ^2 /NDF:40.4/32

All: 1053.350 $\pm$ 444.955 χ^2 /NDF: 76.5/61

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3569.631+/-1.024 χ^2/NDF : 1087935.4/16

Left Out: 2188.761+/-0.481 χ^2/NDF : 328586.8/13

Right Out: 3882.169+/-1.067 χ^2/NDF : 983087.5/18

Left In: 2207.159+/-0.503 χ^2/NDF : 205916.4/11

Left: 2197.542+/-0.348 χ^2/NDF : 535201.5/25

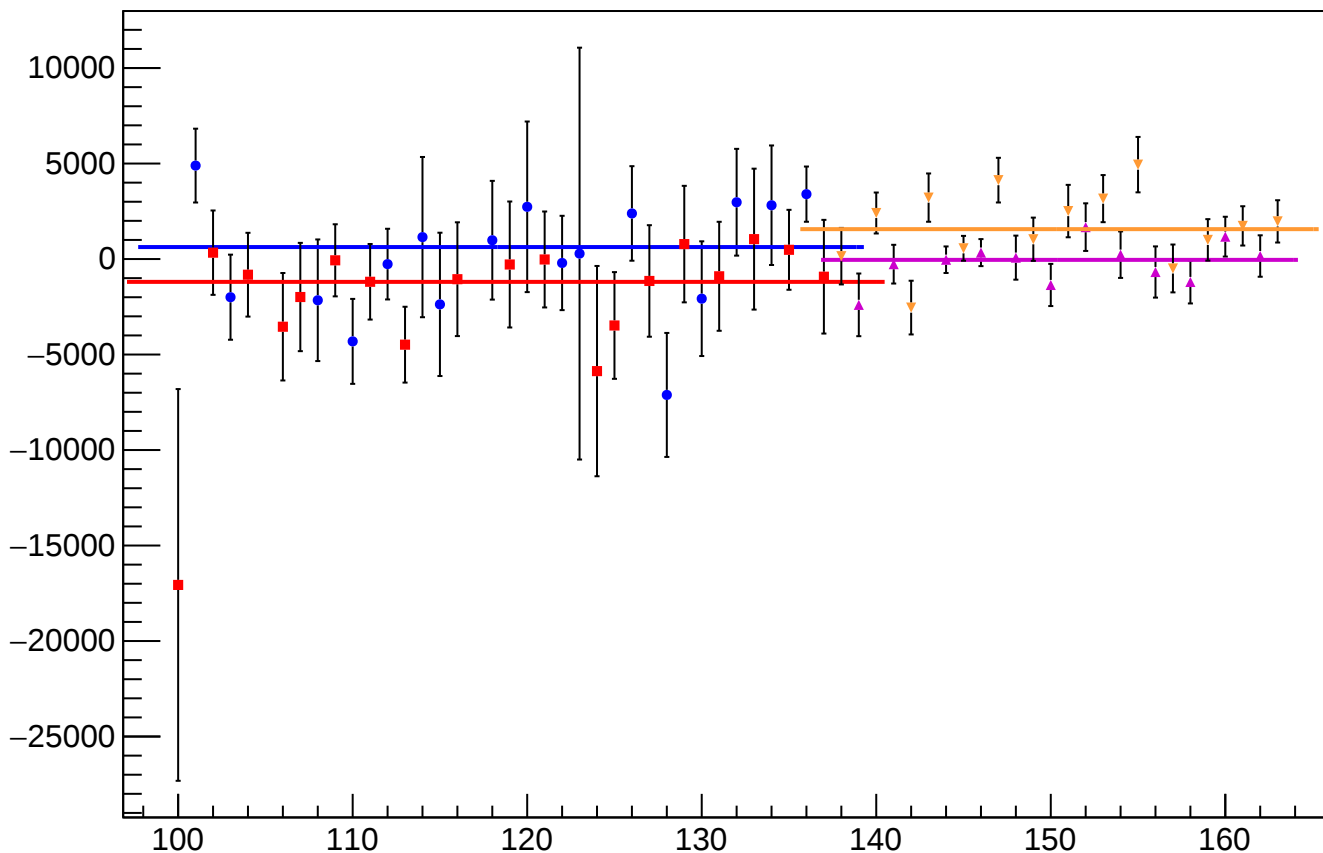
Right: 3719.420+/-0.739 χ^2/NDF : 2115685.3/35

In: 2472.390+/-0.452 χ^2/NDF : 2720091.9/28

Out: 2474.650+/-0.438 χ^2/NDF : 3404524.1/32

All: 2473.553+/-0.315 χ^2/NDF : 6124628.9/63

asym_sam3_mean vs Slug, Sign Corrected



Right In: 627.655+/-620.929 χ^2/NDF : 25.1/16

Left Out: 1565.030+/-298.225 χ^2/NDF : 29.9/13

Right Out: -1195.385+/-603.058 χ^2/NDF : 9.9/18

Left In: -43.181+/-295.920 χ^2/NDF : 8.4/11

Left: 754.686+/-210.057 χ^2/NDF : 53.0/25

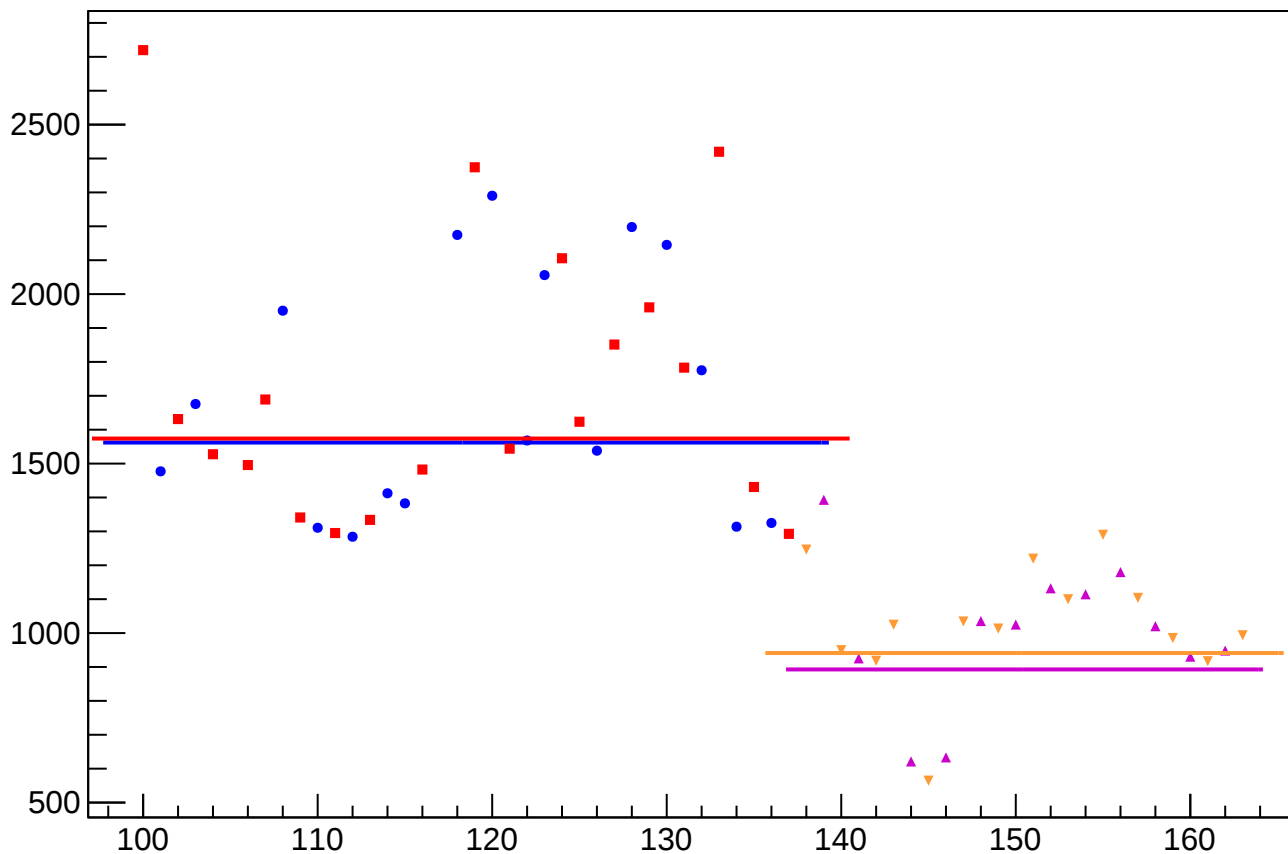
Right: -310.478+/-432.606 χ^2/NDF : 39.4/35

In: 80.982+/-267.135 χ^2/NDF : 34.5/28

Out: 1022.614+/-267.324 χ^2/NDF : 56.6/32

All: 551.465+/-188.960 χ^2/NDF : 97.3/61

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1562.101 $\pm$ 0.439 χ^2 /NDF: 482088.3/16

Left Out: 941.159 $\pm$ 0.211 χ^2 /NDF: 1059607.0/13

Right Out: 1573.906 $\pm$ 0.426 χ^2 /NDF: 463991.4/18

Left In: 892.696 $\pm$ 0.209 χ^2 /NDF: 1087060.8/11

Left: 916.739 $\pm$ 0.149 χ^2 /NDF: 2173280.9/25

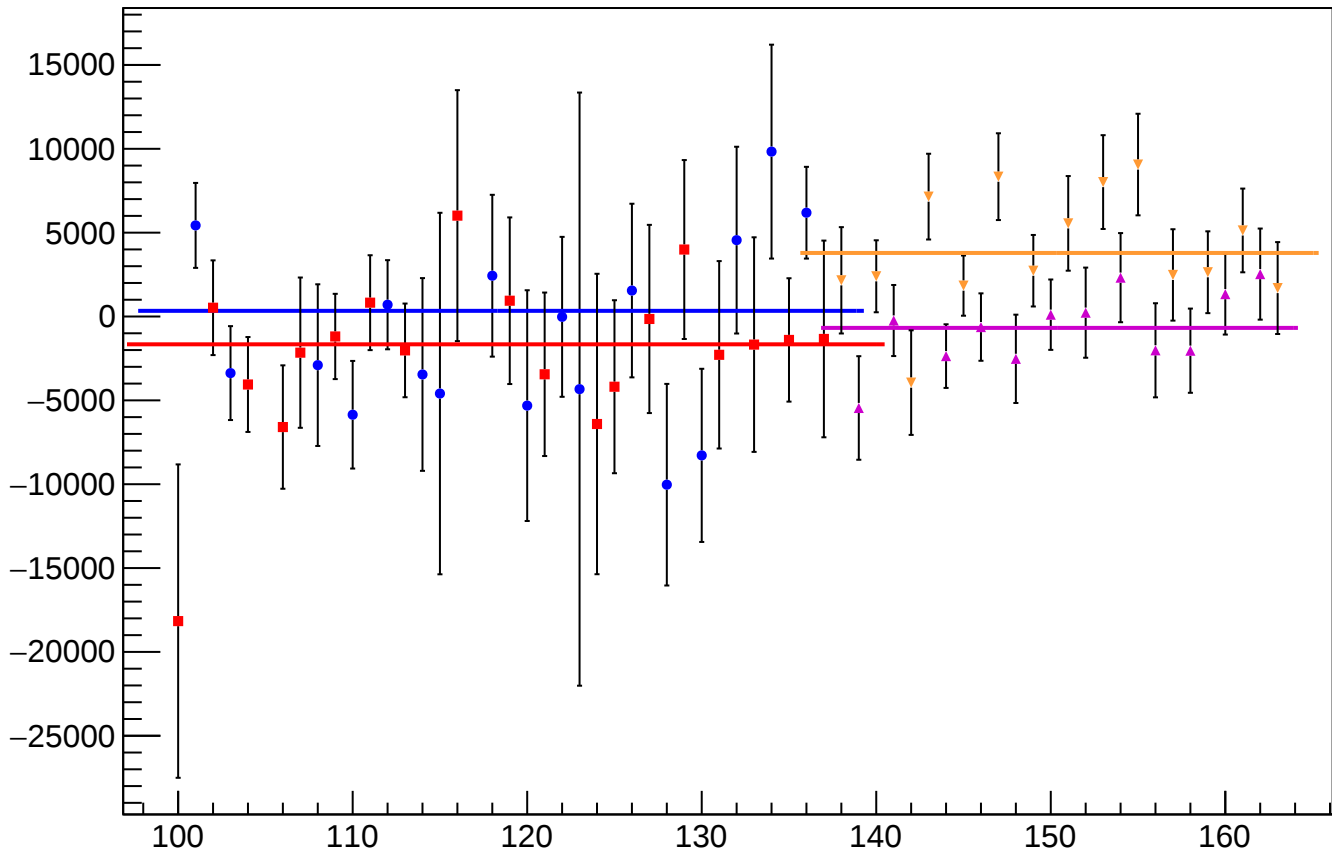
Right: 1568.176 $\pm$ 0.306 χ^2 /NDF: 946451.6/35

In: 1016.594 $\pm$ 0.189 χ^2 /NDF: 3463391.5/28

Out: 1065.493 $\pm$ 0.189 χ^2 /NDF: 3292727.6/32

All: 1041.026 $\pm$ 0.134 χ^2 /NDF: 6789601.9/63

asym_sam4_mean vs Slug, Sign Corrected



Right In: 338.117 $\pm$ 995.842 χ^2/NDF : 24.8/16

Left Out: 3790.007 $\pm$ 672.550 χ^2/NDF :20.1/13

Right Out: -1658.069 $\pm$ 924.453 χ^2/NDF : 10.3/18

Left In: -678.574 $\pm$ 690.495 χ^2/NDF :7.8/11

Left: 1614.538 $\pm$ 481.784 χ^2/NDF : 49.4/25

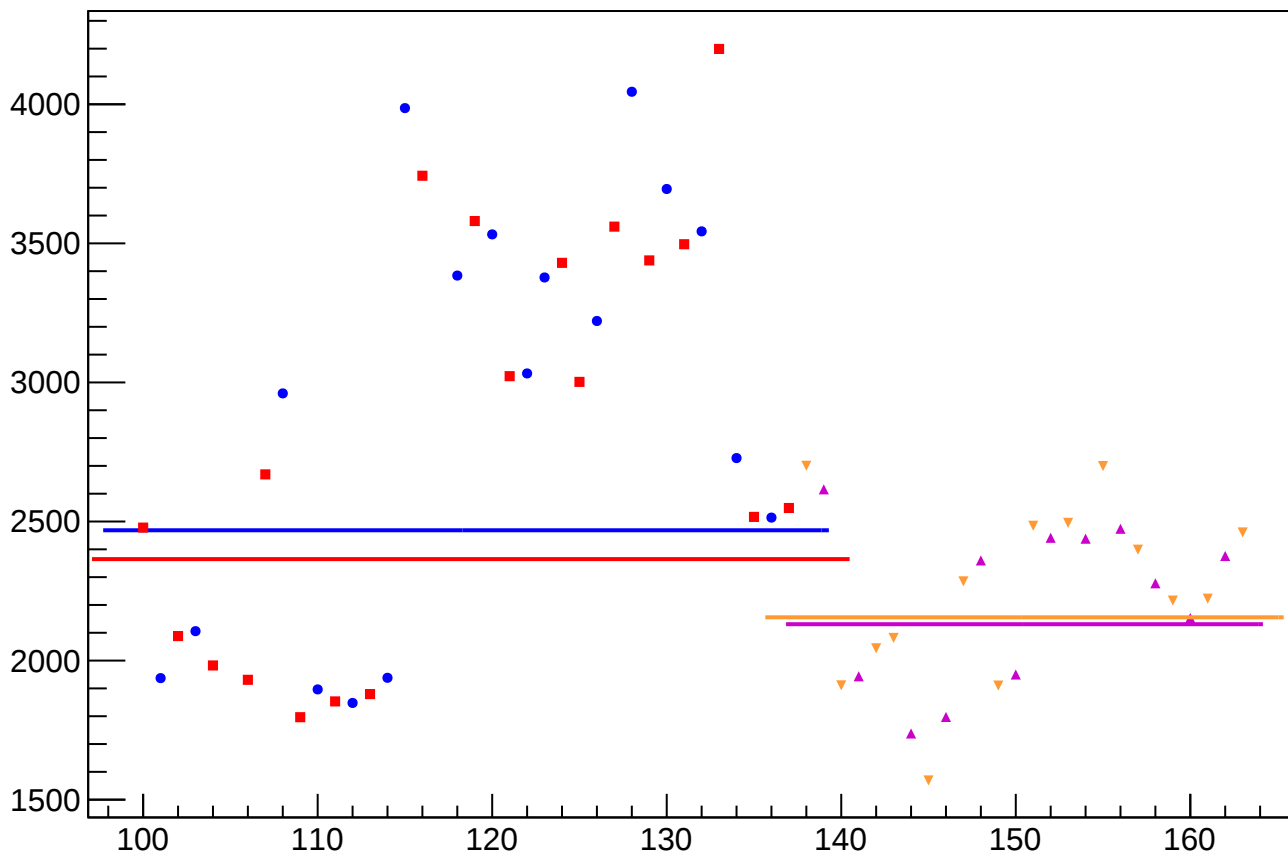
Right: -734.084 $\pm$ 677.520 χ^2/NDF : 37.2/35

In: -348.478 $\pm$ 567.435 χ^2/NDF :33.3/28

Out: 1904.459 $\pm$ 543.854 χ^2/NDF :53.1/32

All: 825.777 $\pm$ 392.635 χ^2/NDF : 94.6/61

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2468.489 $\pm$ 0.704 χ^2 /NDF: 896153.6/16

Left Out: 2155.563 $\pm$ 0.476 χ^2 /NDF: 498743.4/13

Right Out: 2364.833 $\pm$ 0.654 χ^2 /NDF: 1025161.0/18

Left In: 2130.832 $\pm$ 0.488 χ^2 /NDF: 342491.9/11

Left: 2143.523 $\pm$ 0.341 χ^2 /NDF: 842551.9/25

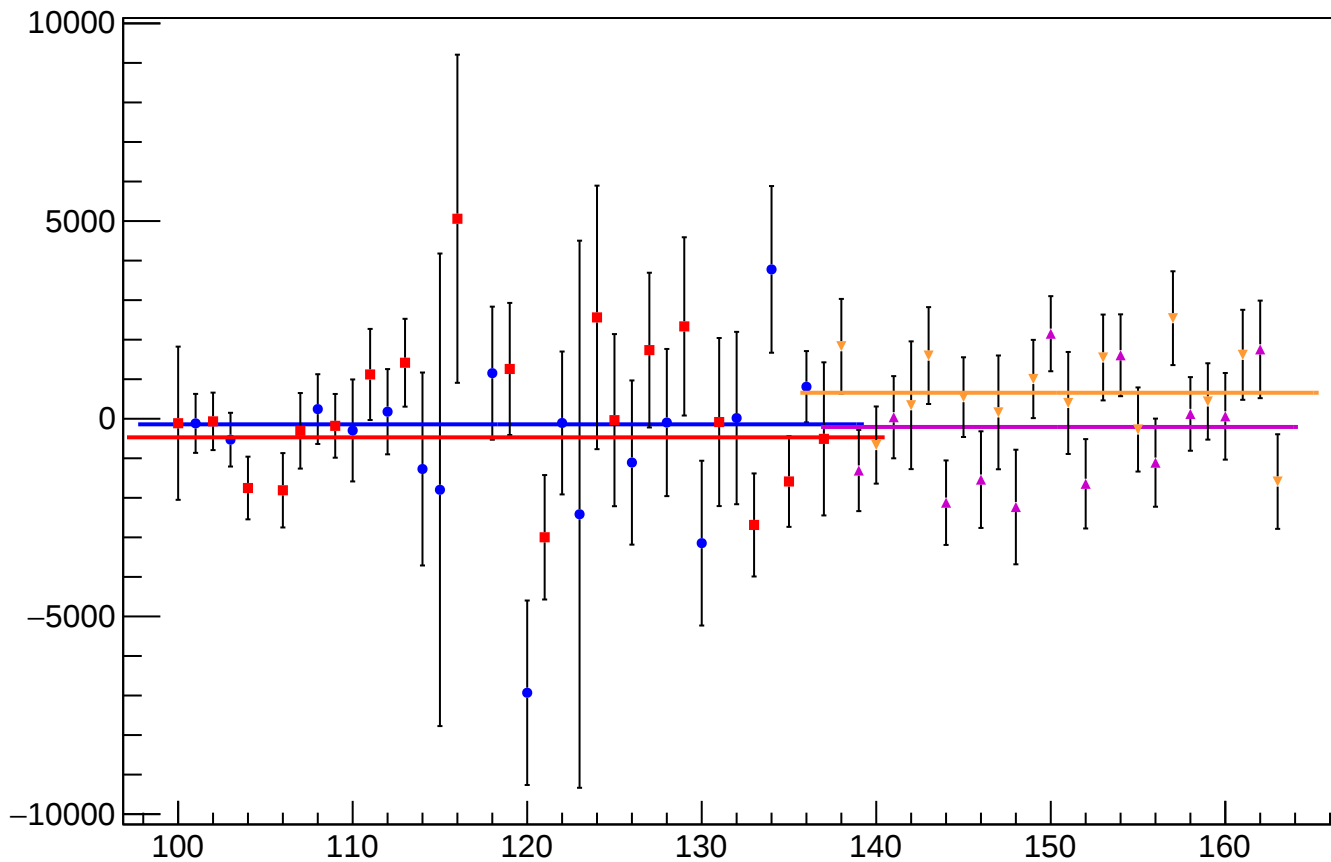
Right: 2412.813 $\pm$ 0.479 χ^2 /NDF: 1932953.4/35

In: 2240.462 $\pm$ 0.401 χ^2 /NDF: 1393924.0/28

Out: 2227.990 $\pm$ 0.385 χ^2 /NDF: 1590922.4/32

All: 2233.961 $\pm$ 0.278 χ^2 /NDF: 2985349.9/63

asym_sam5_mean vs Slug, Sign Corrected



Right In: -141.213 ± 313.319 $\chi^2/\text{NDF}: 16.9/16$

Left Out: 657.770 ± 303.260 $\chi^2/\text{NDF}: 12.0/13$

Right Out: -470.143 ± 282.892 $\chi^2/\text{NDF}: 22.9/18$

Left In: -207.593 ± 313.585 $\chi^2/\text{NDF}: 21.8/11$

Left: 239.570 ± 217.996 $\chi^2/\text{NDF}: 37.7/25$

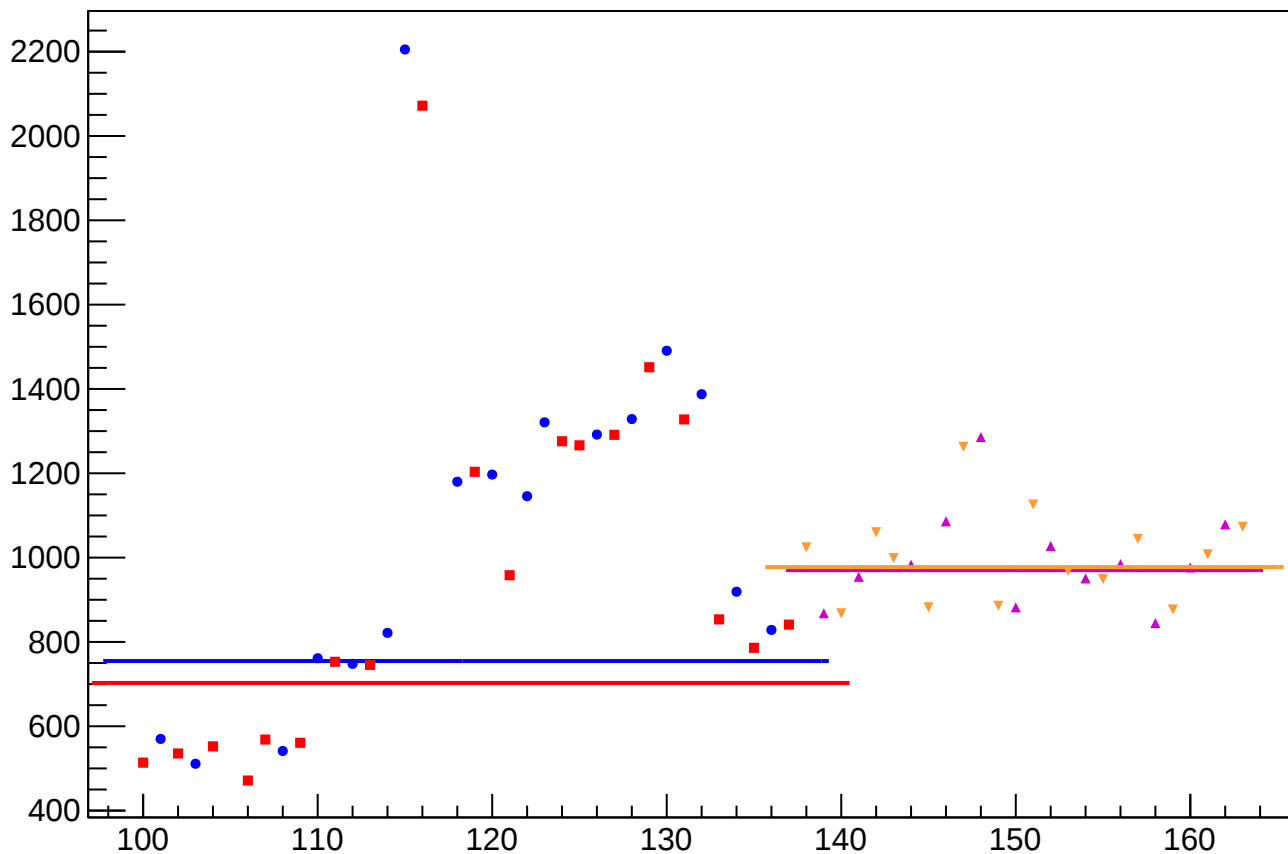
Right: -322.421 ± 209.970 $\chi^2/\text{NDF}: 40.5/35$

In: -174.375 ± 221.644 $\chi^2/\text{NDF}: 38.8/28$

Out: 54.668 ± 206.861 $\chi^2/\text{NDF}: 42.3/32$

All: -51.961 ± 151.229 $\chi^2/\text{NDF}: 81.6/61$

asym_sam5_rms vs Slug, Sign Corrected



Right In: 754.684+/-0.222 χ^2/NDF : 1690621.2/16

Left Out: 977.497+/-0.214 χ^2/NDF : 218002.9/13

Right Out: 702.721+/-0.200 χ^2/NDF : 1691602.9/18

Left In: 970.294+/-0.222 χ^2/NDF : 208835.8/11

Left: 974.016+/-0.154 χ^2/NDF : 427384.0/25

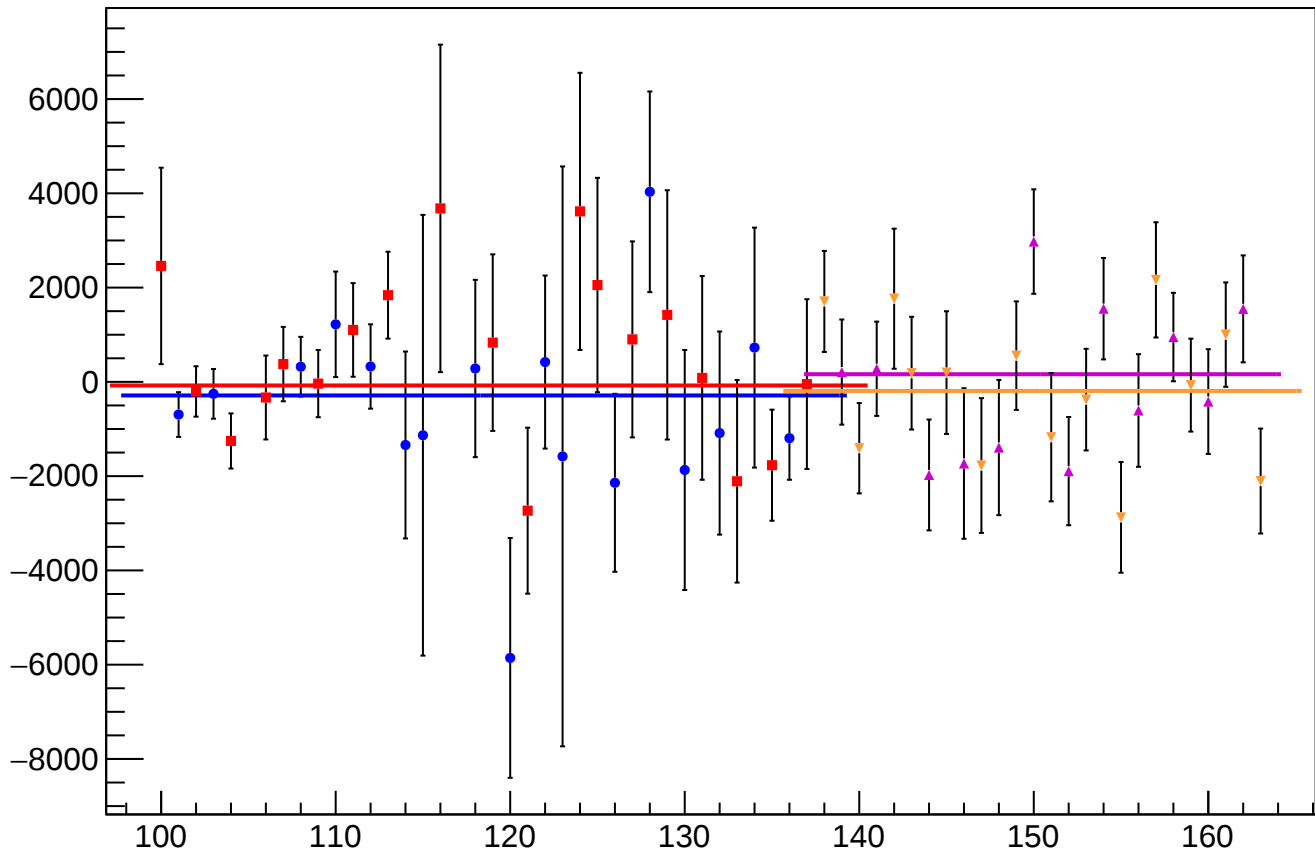
Right: 726.058+/-0.148 χ^2/NDF : 3412528.8/35

In: 862.397+/-0.157 χ^2/NDF : 2372602.4/28

Out: 830.573+/-0.146 χ^2/NDF : 2787560.1/32

All: 845.388+/-0.107 χ^2/NDF : 5182199.2/61

asym_sam6_mean vs Slug, Sign Corrected



Right In: -288.037+/-250.436 χ^2/NDF : 16.2/16

Left Out: -192.407+/-310.162 χ^2/NDF : 21.9/13

Right Out: -76.119+/-246.083 χ^2/NDF : 21.4/18

Left In: 162.843+/-328.529 χ^2/NDF : 20.1/11

Left: -24.989+/-225.531 χ^2/NDF : 42.7/25

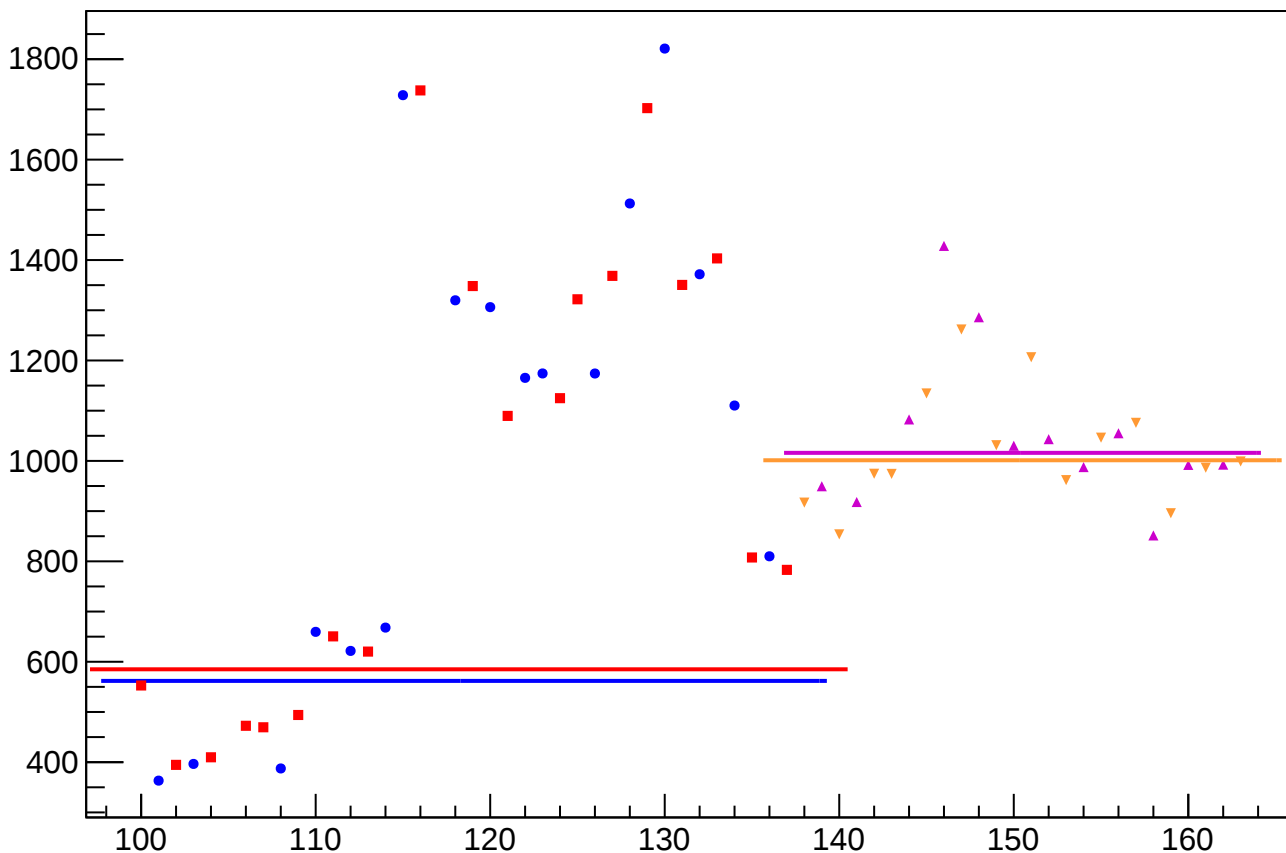
Right: -180.221+/-175.526 χ^2/NDF : 37.9/35

In: -122.327+/-199.167 χ^2/NDF : 37.5/28

Out: -121.042+/-192.777 χ^2/NDF : 43.4/32

All: -121.664+/-138.518 χ^2/NDF : 80.9/61

asym_sam6_rms vs Slug, Sign Corrected



Right In: 561.894 $\pm$ 0.177 χ^2 /NDF: 3216651.3/16

Left Out: 1001.283 $\pm$ 0.219 χ^2 /NDF:231949.3/13

Right Out: 584.993 $\pm$ 0.174 χ^2 /NDF: 2824449.5/18

Left In: 1016.052 $\pm$ 0.232 χ^2 /NDF:304941.5/11

Left: 1008.243 $\pm$ 0.159 χ^2 /NDF: 539028.0/25

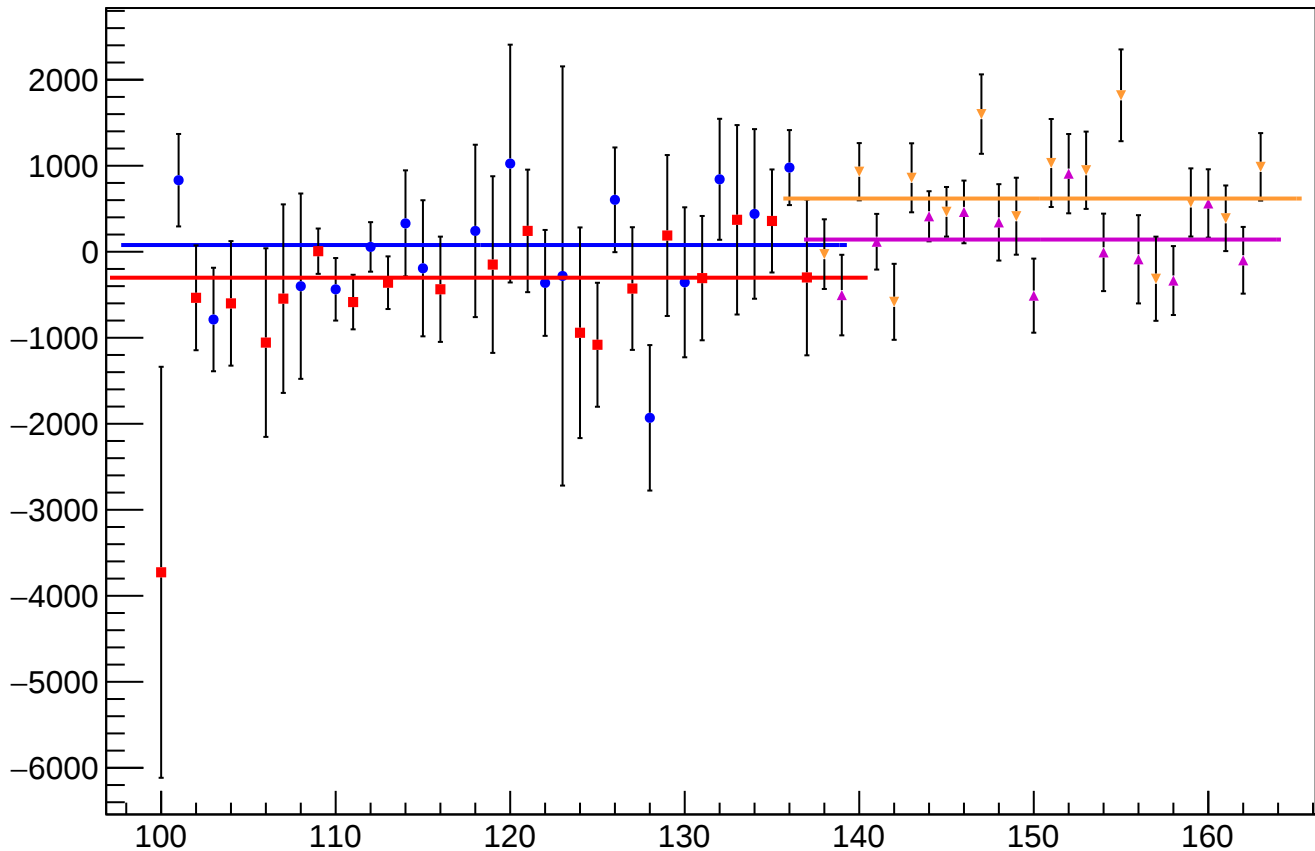
Right: 573.646 $\pm$ 0.124 χ^2 /NDF: 6049757.3/35

In: 728.809 $\pm$ 0.141 χ^2 /NDF:5938949.1/28

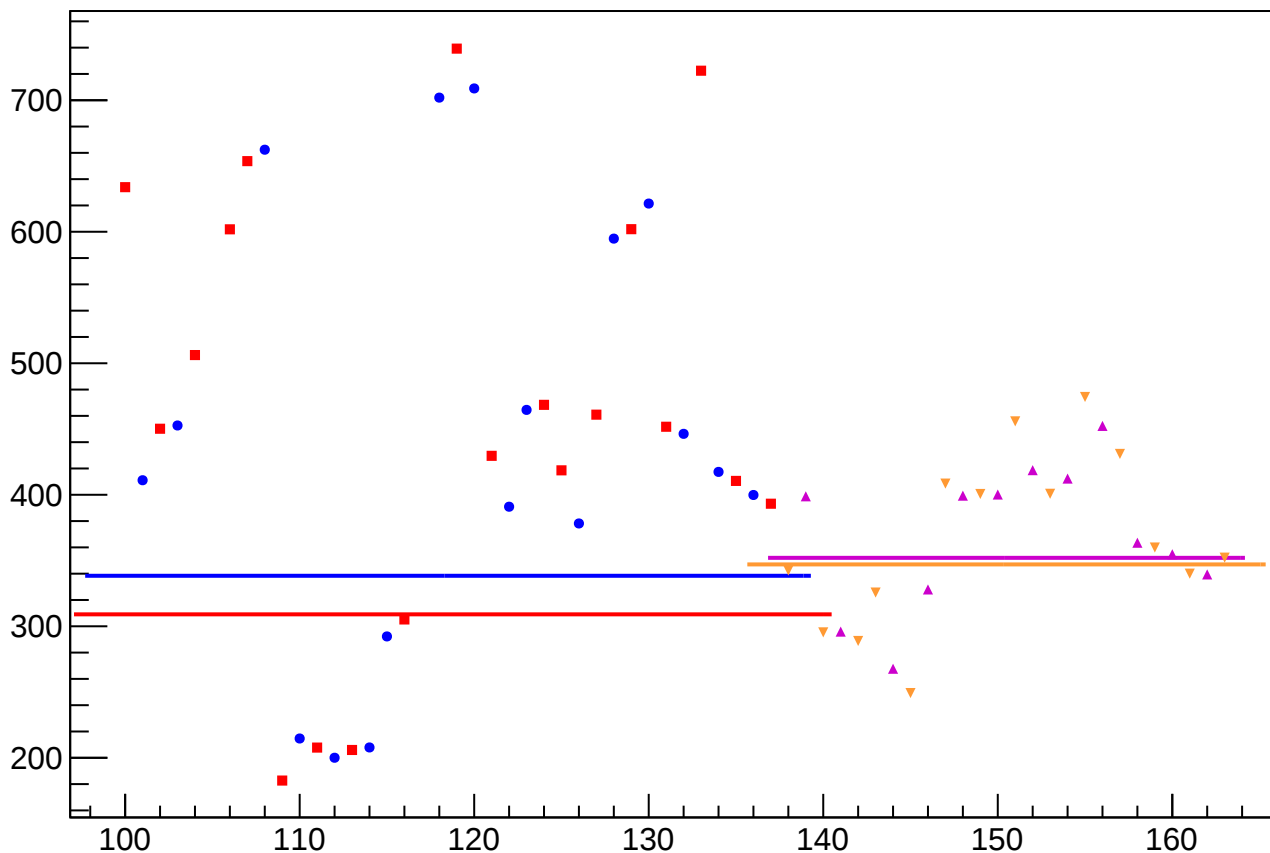
Out: 745.810 $\pm$ 0.136 χ^2 /NDF:5267427.5/32

All: 737.586 $\pm$ 0.098 χ^2 /NDF: 11213900.7/63

asym_sam7_mean vs Slug, Sign Corrected



asym_sam7_rms vs Slug, Sign Corrected



Right In: 338.408 $\pm$ 0.101 χ^2 /NDF: 2009287.1/16

Left Out: 347.047 $\pm$ 0.077 χ^2 /NDF: 678097.3/13

Right Out: 309.081 $\pm$ 0.092 χ^2 /NDF: 2733465.5/18

Left In: 352.050 $\pm$ 0.081 χ^2 /NDF: 461898.6/11

Left: 349.426 $\pm$ 0.056 χ^2 /NDF: 1142004.9/25

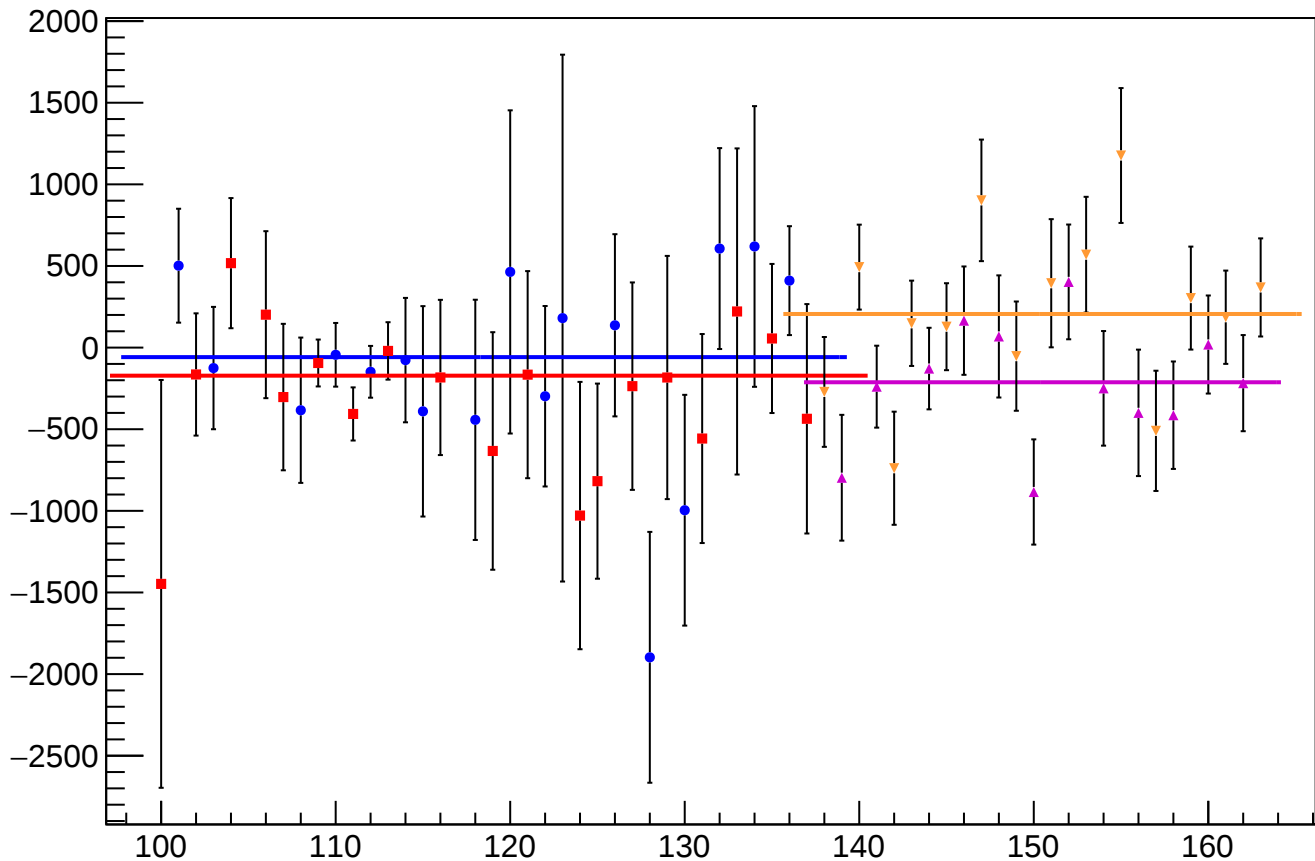
Right: 322.325 $\pm$ 0.068 χ^2 /NDF: 4788966.2/35

In: 346.725 $\pm$ 0.063 χ^2 /NDF: 2482303.4/28

Out: 331.347 $\pm$ 0.059 χ^2 /NDF: 3512146.9/32

All: 338.512 $\pm$ 0.043 χ^2 /NDF: 6026150.7/61

asym_sam8_mean vs Slug, Sign Corrected



Right In: -58.299+/-90.484 χ^2/NDF : 15.9/16

Left Out: 205.877+/-85.161 χ^2/NDF : 25.9/13

Right Out: -171.954+/-76.920 χ^2/NDF : 11.3/18

Left In: -212.338+/-91.587 χ^2/NDF : 12.9/11

Left: 11.953+/-62.366 χ^2/NDF : 50.0/25

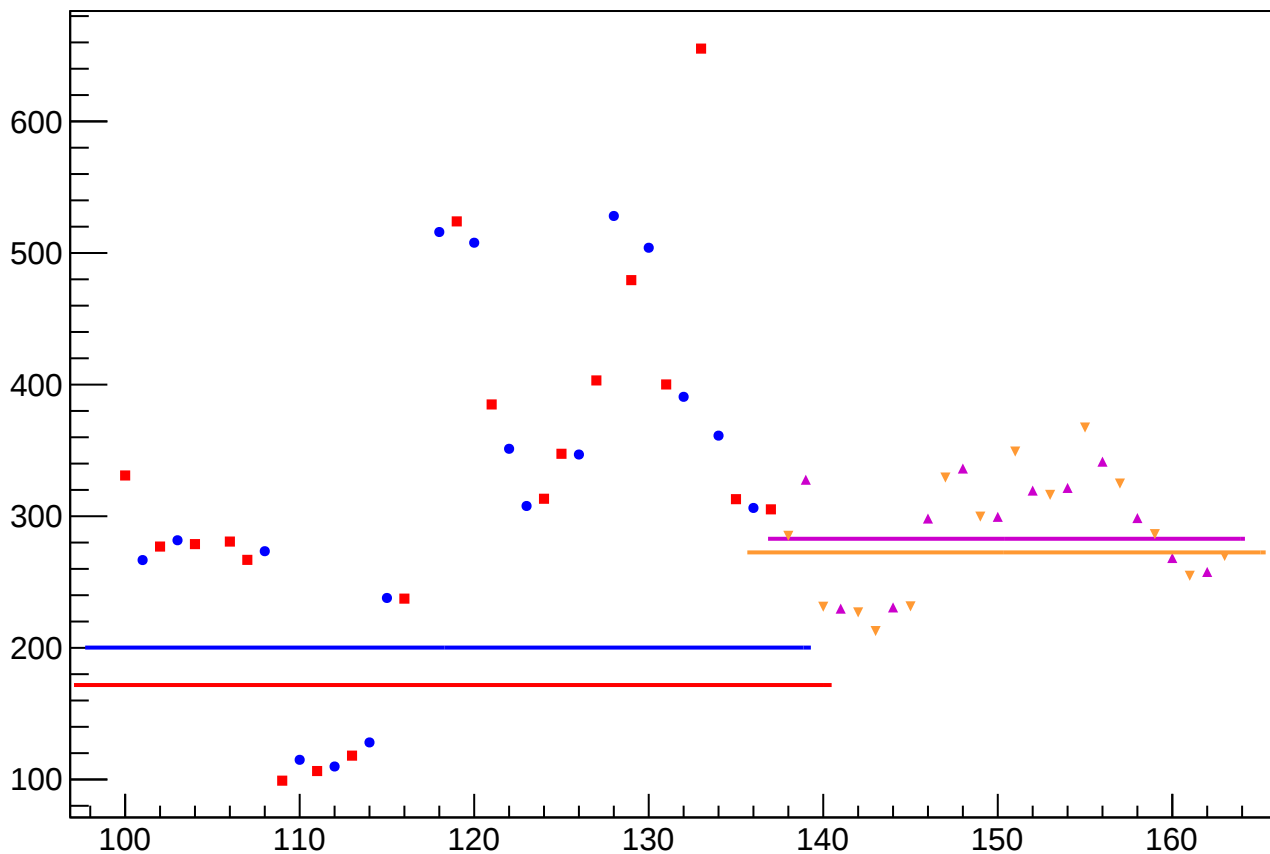
Right: -124.276+/-58.606 χ^2/NDF : 28.1/35

In: -134.386+/-64.368 χ^2/NDF : 30.2/28

Out: -2.201+/-57.082 χ^2/NDF : 48.1/32

All: -60.392+/-42.708 χ^2/NDF : 80.6/61

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.209+/-0.064 χ^2/NDF : 3387197.7/16

Left Out: 272.522+/-0.060 χ^2/NDF :563814.9/13

Right Out: 171.757+/-0.054 χ^2/NDF : 4093922.6/18

Left In: 282.875+/-0.065 χ^2/NDF :369722.1/11

Left: 277.323+/-0.044 χ^2/NDF : 947244.2/25

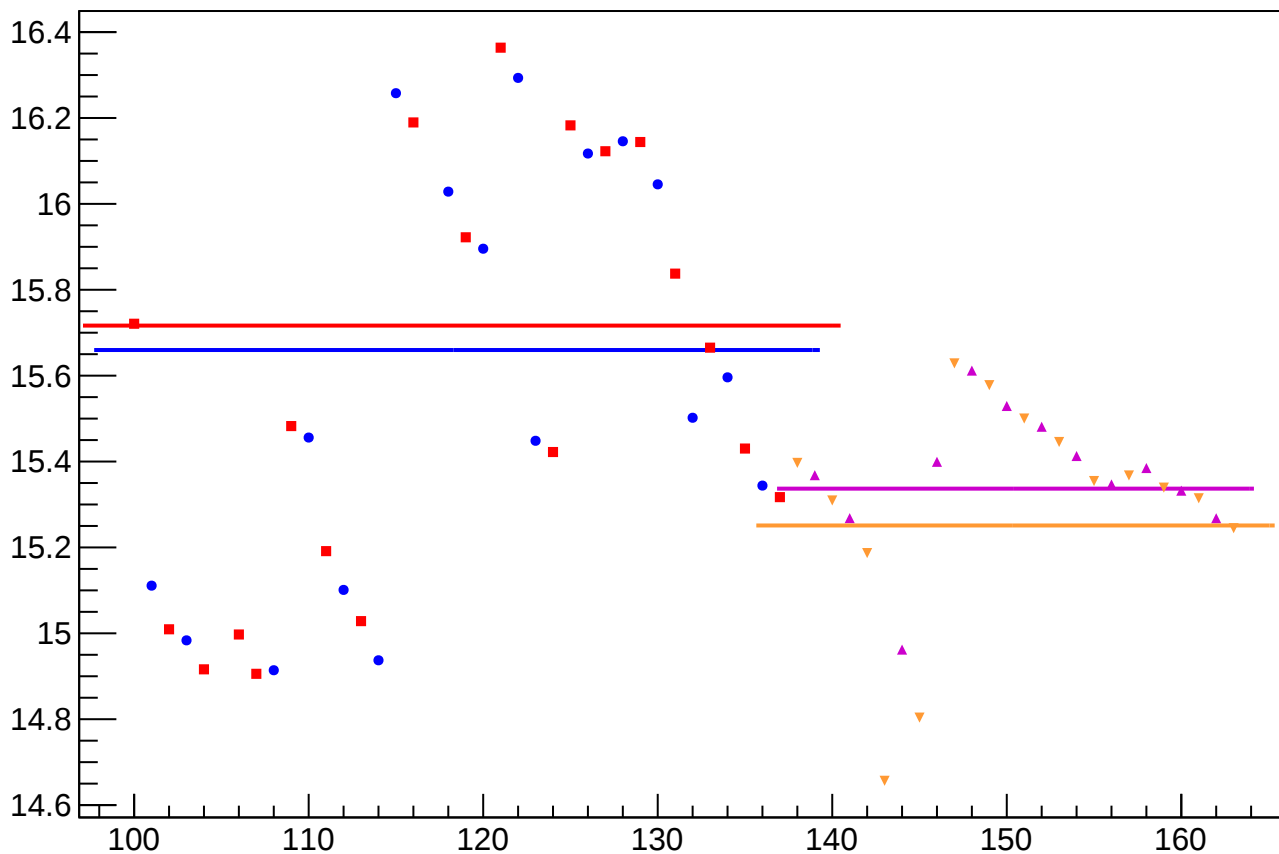
Right: 183.693+/-0.041 χ^2/NDF : 7595909.3/35

In: 241.041+/-0.046 χ^2/NDF :4581477.1/28

Out: 217.029+/-0.040 χ^2/NDF :6199753.8/32

All: 227.600+/-0.030 χ^2/NDF : 10937032.2/63

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.660+/-0.000 χ^2/NDF : 5782644553.5/16

Left Out: 15.251+/-0.000 χ^2/NDF : 6306085235.4/13

Right Out: 15.717+/-0.000 χ^2/NDF : 5461829475.3/18

Left In: 15.337+/-0.000 χ^2/NDF : 1915450435.5/11

Left: 15.291+/-0.000 χ^2/NDF : 8517414957.7/25

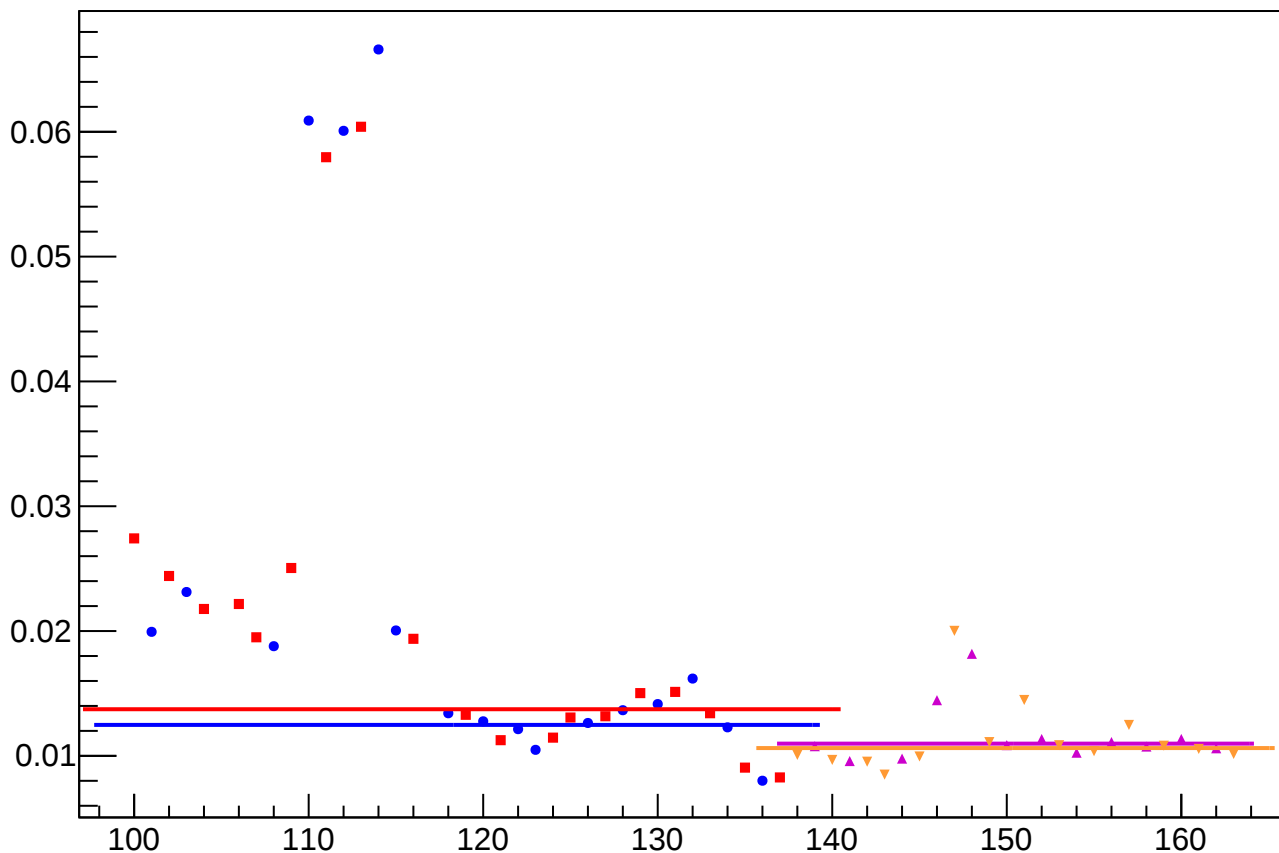
Right: 15.686+/-0.000 χ^2/NDF : 11294352327.9/35

In: 15.435+/-0.000 χ^2/NDF : 10095576990.3/28

Out: 15.368+/-0.000 χ^2/NDF : 16451565412.1/32

All: 15.401+/-0.000 χ^2/NDF : 26800752875.0

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2/NDF : 2152911.4/16

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF :586817.2/13

Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 2077569.4/18

Left In: 0.011 $\pm$ 0.000 χ^2/NDF :397025.7/11

Left: 0.011 $\pm$ 0.000 χ^2/NDF : 994002.2/25

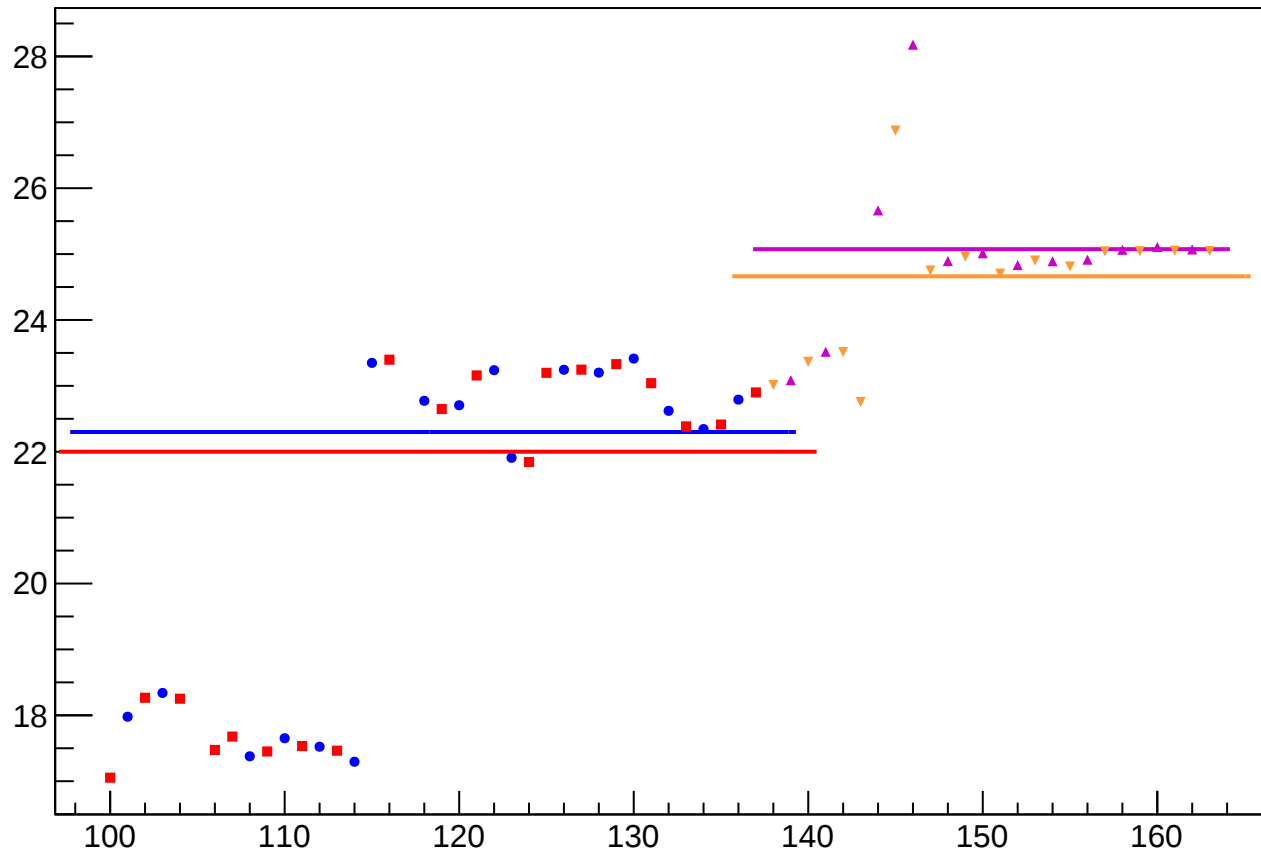
Right: 0.013 $\pm$ 0.000 χ^2/NDF : 4279107.1/35

In: 0.011 $\pm$ 0.000 χ^2/NDF :2653544.3/28

Out: 0.011 $\pm$ 0.000 χ^2/NDF :3083041.7/32

All: 0.011 $\pm$ 0.000 χ^2/NDF : 5736700.7/61

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.300+/-0.000 χ^2/NDF : 938398636.8/16

Left Out: 24.663+/-0.000 χ^2/NDF : 864331852.8/13

Right Out: 22.001+/-0.000 χ^2/NDF : 1066041325.5/18

Left In: 25.075+/-0.000 χ^2/NDF : 698095418.5/11

Left: 24.855+/-0.000 χ^2/NDF : 1615357043.2/25

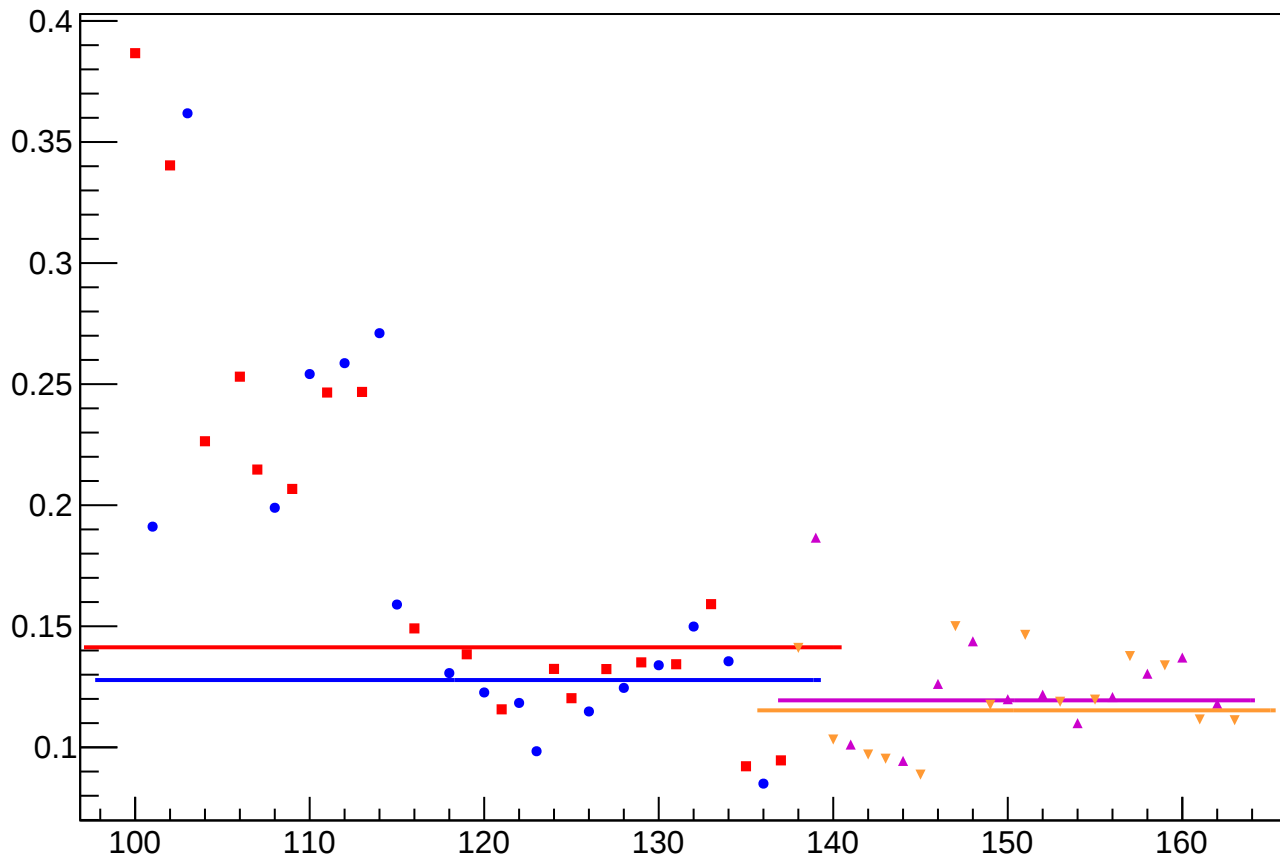
Right: 22.159+/-0.000 χ^2/NDF : 2017477949.3/35

In: 24.114+/-0.000 χ^2/NDF : 3195442250.4/28

Out: 23.885+/-0.000 χ^2/NDF : 3313799709.1/32

All: 23.996+/-0.000 χ^2/NDF : 6533187136.2/6

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.128+/-0.000 χ^2/NDF : 1492109.7/16

Left Out: 0.115+/-0.000 χ^2/NDF : 453719.1/13

Right Out: 0.141+/-0.000 χ^2/NDF : 1449275.1/18

Left In: 0.119+/-0.000 χ^2/NDF : 423900.3/11

Left: 0.117+/-0.000 χ^2/NDF : 888271.8/25

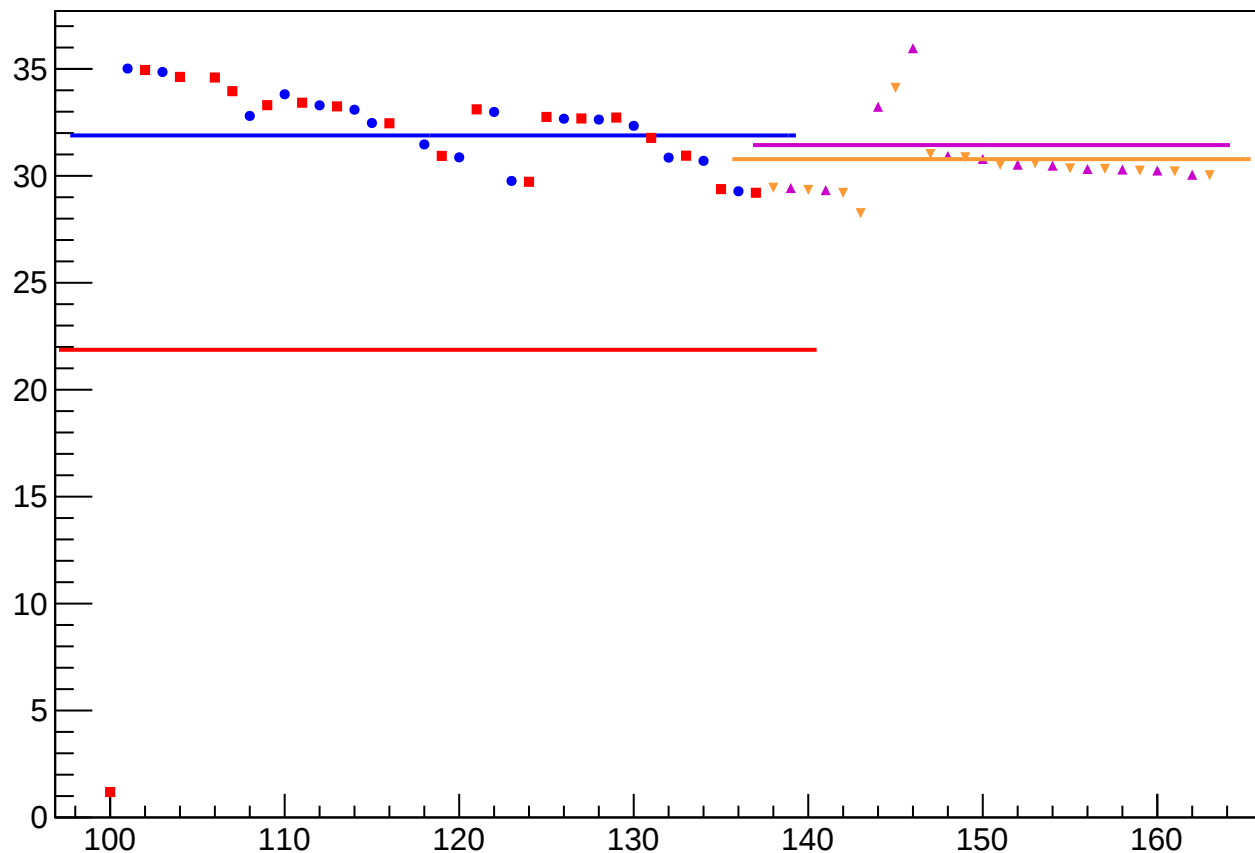
Right: 0.134+/-0.000 χ^2/NDF : 2994732.7/35

In: 0.122+/-0.000 χ^2/NDF : 1944498.3/28

Out: 0.123+/-0.000 χ^2/NDF : 2167822.8/32

All: 0.123+/-0.000 χ^2/NDF : 4112617.4/61

yield_sam3_mean vs Slug, Sign Corrected



Right In: 31.889+/-0.000 χ^2/NDF : 1930403776.3/16

Left Out: 30.782+/-0.000 χ^2/NDF : 4563008333.4/13

Right Out: 21.867+/-0.000 χ^2/NDF : 230068750081.7/18

Left In: 31.439+/-0.000 χ^2/NDF : 6495607377.7/11

Left: 31.102+/-0.000 χ^2/NDF : 11416094491.7/25

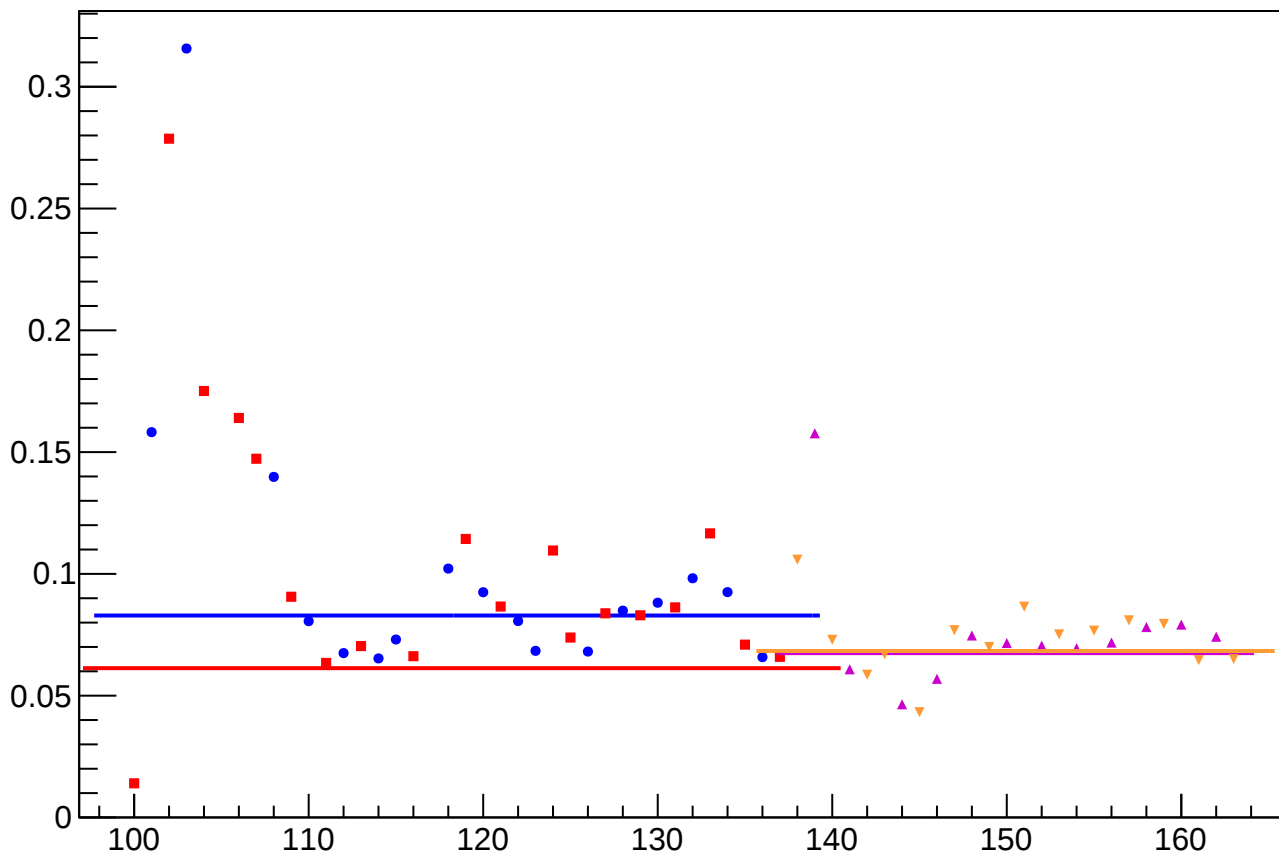
Right: 25.887+/-0.000 χ^2/NDF : 274879927198.7/35

In: 31.577+/-0.000 χ^2/NDF : 8526230776.9/28

Out: 27.353+/-0.000 χ^2/NDF : 286684781345.5/32

All: 29.283+/-0.000 χ^2/NDF : 317768511442.7/66

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.083 $\pm$ 0.000 χ^2 /NDF: 1164452.3/16

Left Out: 0.068 $\pm$ 0.000 χ^2 /NDF:692950.8/13

Right Out: 0.061 $\pm$ 0.000 χ^2 /NDF: 3603853.3/18

Left In: 0.067 $\pm$ 0.000 χ^2 /NDF:848219.9/11

Left: 0.068 $\pm$ 0.000 χ^2 /NDF: 1542439.6/25

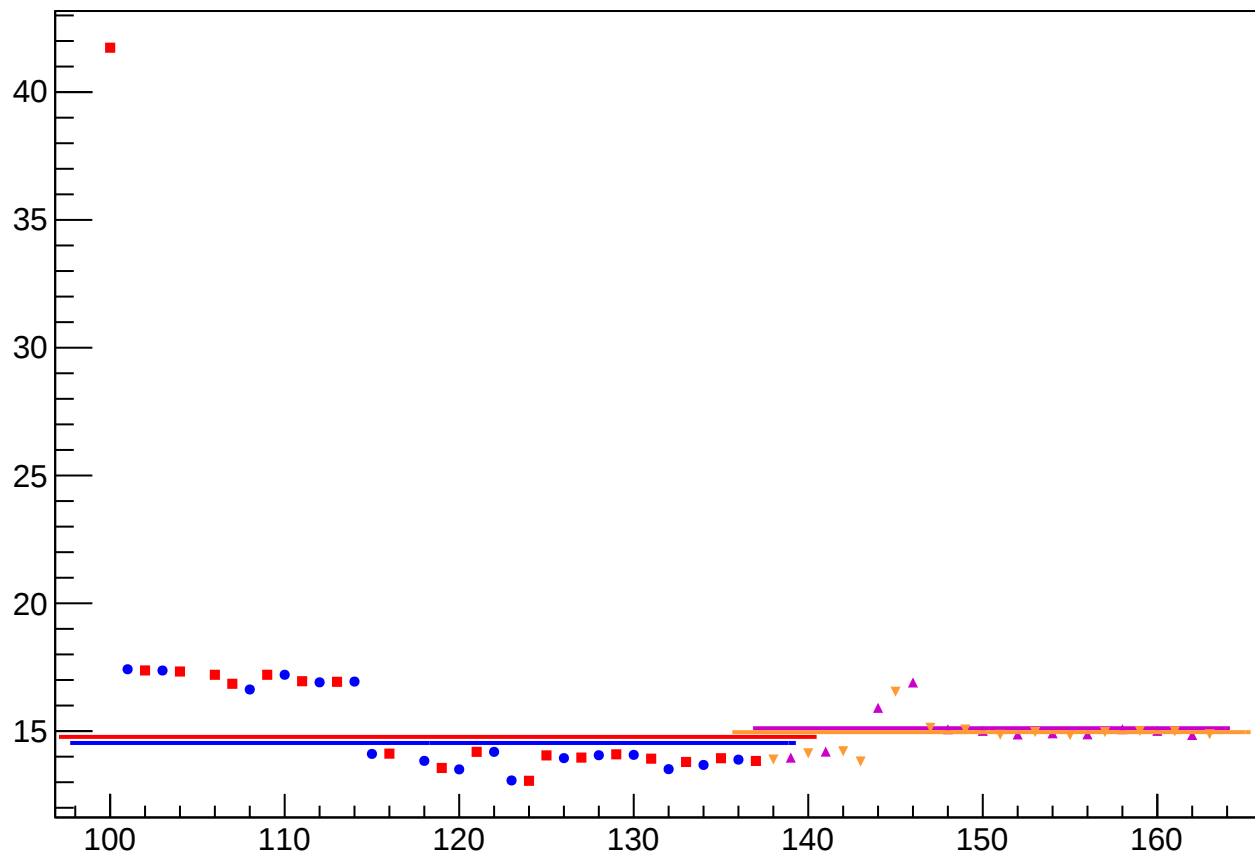
Right: 0.070 $\pm$ 0.000 χ^2 /NDF: 5167150.6/35

In: 0.072 $\pm$ 0.000 χ^2 /NDF:2248439.2/28

Out: 0.066 $\pm$ 0.000 χ^2 /NDF:4361878.4/32

All: 0.069 $\pm$ 0.000 χ^2 /NDF: 6719281.8/61

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.536+/-0.000 χ^2/NDF : 1470499792.7/16

Left Out: 14.959+/-0.000 χ^2/NDF : 948666444.9/13

Right Out: 14.774+/-0.000 χ^2/NDF : 1886755709.2/18

Left In: 15.112+/-0.000 χ^2/NDF : 746925951.7/11

Left: 15.032+/-0.000 χ^2/NDF : 1717051678.3/25

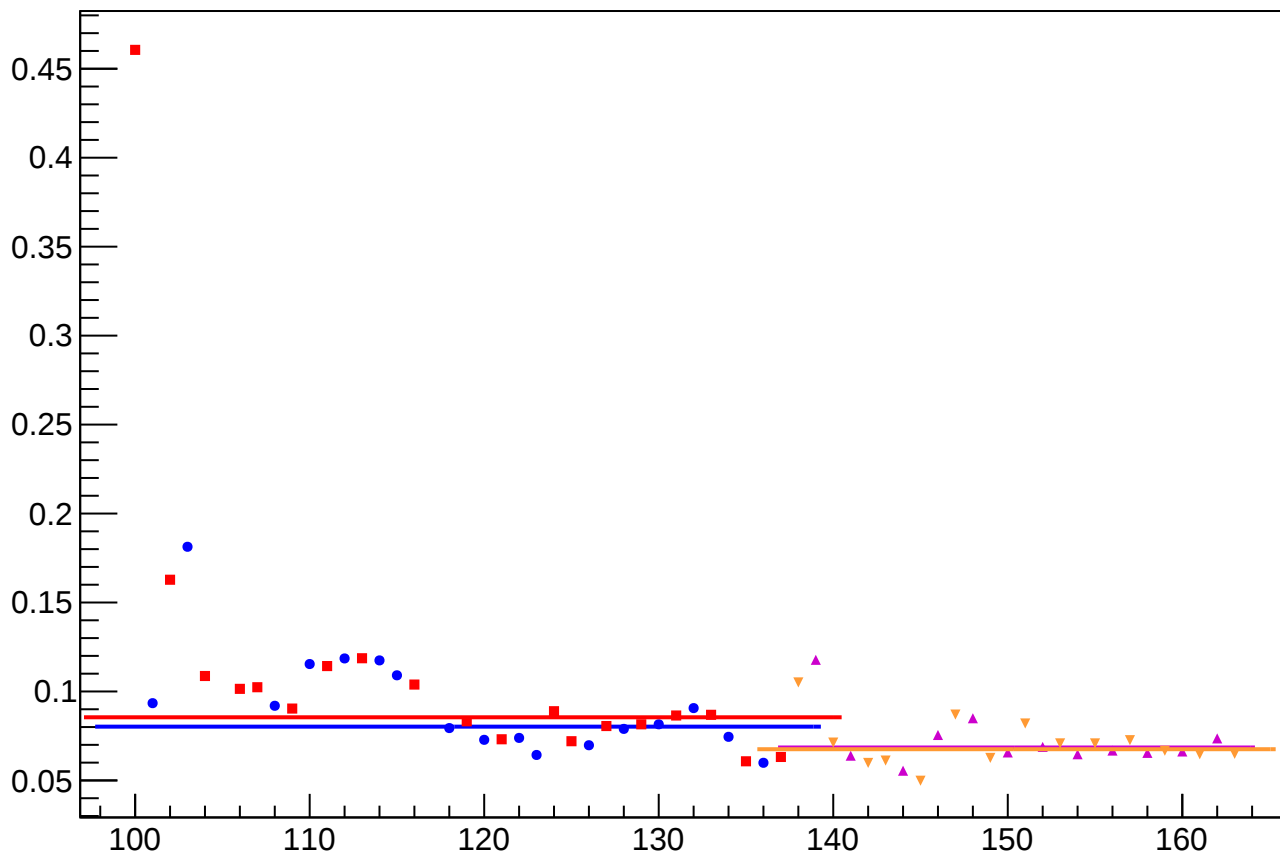
Right: 14.651+/-0.000 χ^2/NDF : 3380785876.4/35

In: 14.922+/-0.000 χ^2/NDF : 2408529638.1/28

Out: 14.904+/-0.000 χ^2/NDF : 2854828957.5/32

All: 14.913+/-0.000 χ^2/NDF : 5263786001.5/6

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 : 474518.7/13

Right Out: 0.085+/-0.000 χ^2/NDF : 738043.0/18

Left In: 0.069+/-0.000 χ^2/NDF : 410661.4/11

Left: 0.068+/-0.000 χ^2/NDF : 886896.7/25

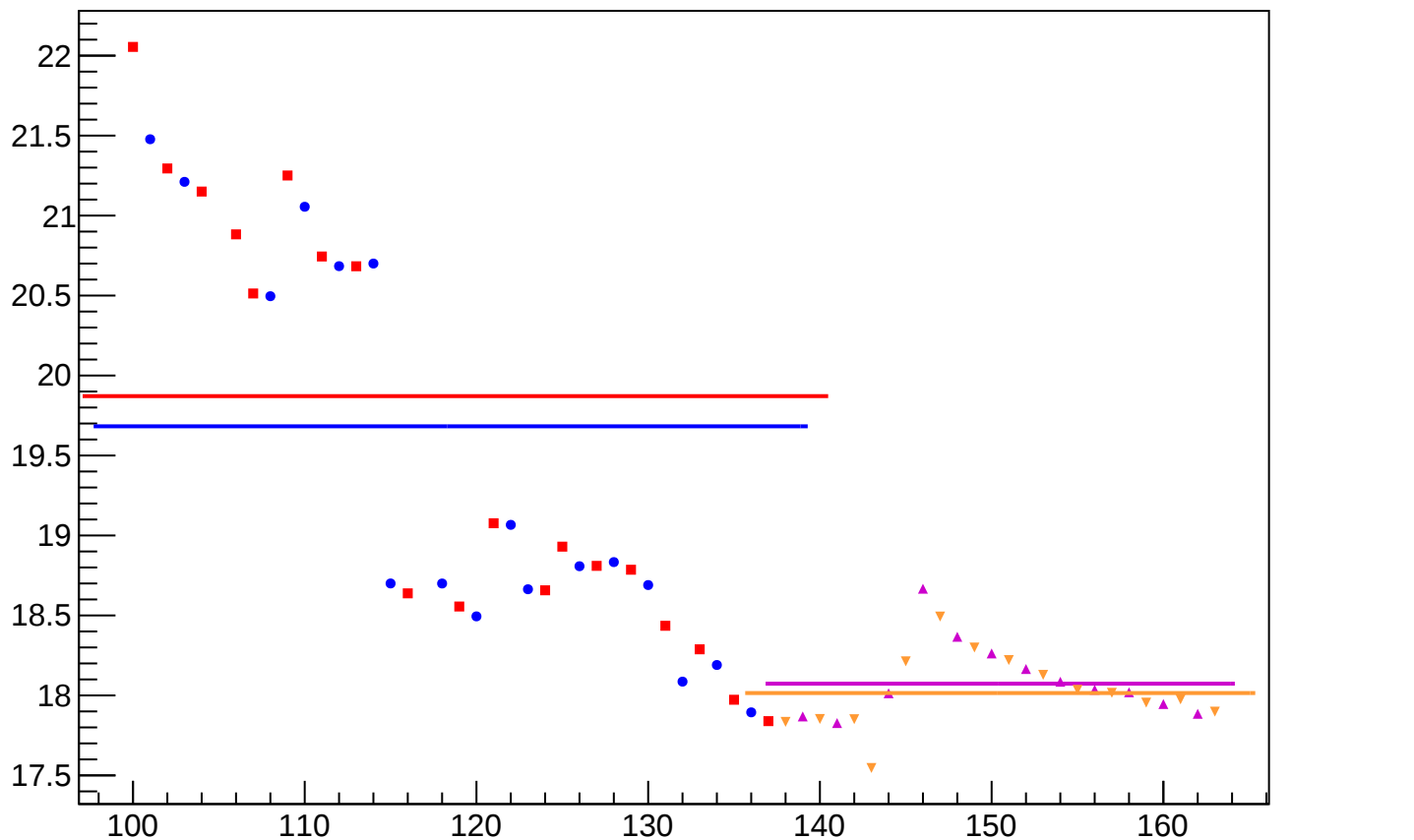
Right: 0.083+/-0.000 χ^2/NDF : 1539722.7/35

In: 0.072+/-0.000 χ^2/NDF : 1347096.5/28

Out: 0.073+/-0.000 χ^2/NDF : 1577069.7/32

All: 0.073+/-0.000 χ^2/NDF : 2924759.5/61

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.683+/-0.000 χ^2/NDF : 12276801857.2/16

Left Out: 18.015+/-0.000 χ^2/NDF : 416888476.2/13

Right Out: 19.871+/-0.000 χ^2/NDF : 11324266794.7/18

Left In: 18.073+/-0.000 χ^2/NDF : 352013807.6/11

Left: 18.043+/-0.000 χ^2/NDF : 784946773.3/25

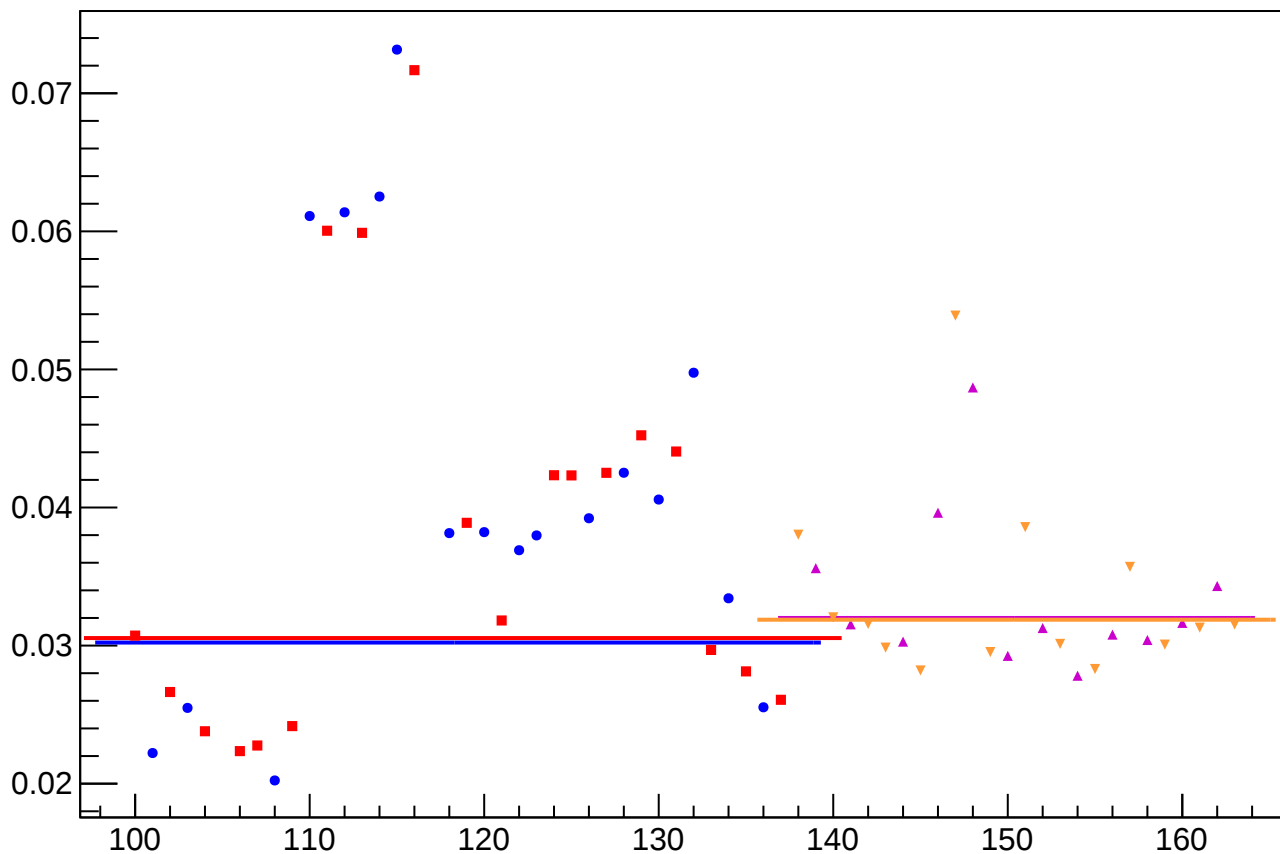
Right: 19.778+/-0.000 χ^2/NDF : 23711776447.8/35

In: 18.724+/-0.000 χ^2/NDF : 22063812738.5/28

Out: 18.745+/-0.000 χ^2/NDF : 24957599632.5/32

All: 18.735+/-0.000 χ^2/NDF : 47025084219.5

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 :424658.1/13

Right Out: 0.031+/-0.000 χ^2/NDF : 1189734.1/18

Left In: 0.032+/-0.000 χ^2/NDF :321714.8/11

Left: 0.032+/-0.000 χ^2/NDF : 746523.8/25

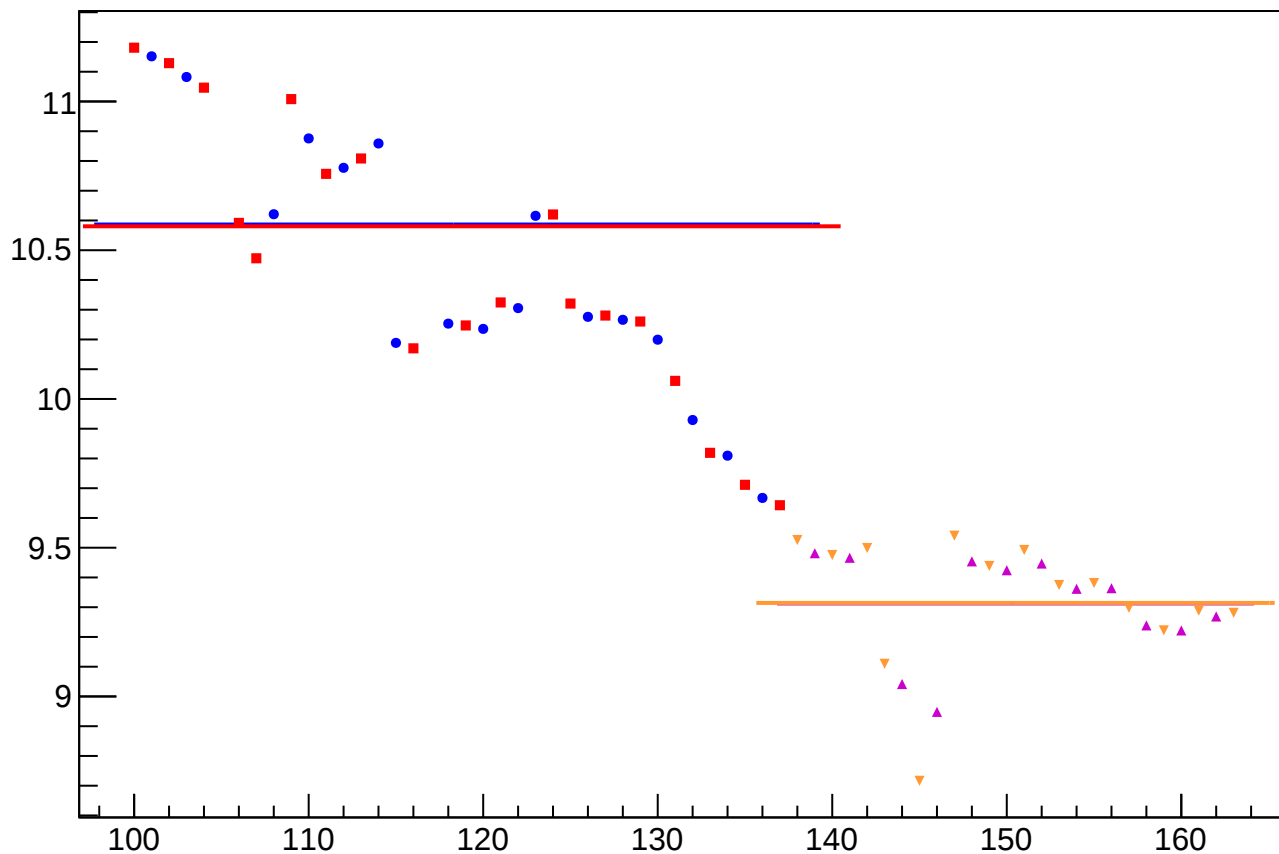
Right: 0.030+/-0.000 χ^2/NDF : 2514909.2/35

In: 0.031+/-0.000 χ^2/NDF :1669332.9/28

Out: 0.031+/-0.000 χ^2/NDF :1627928.1/32

All: 0.031+/-0.000 χ^2/NDF : 3297336.9/61

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.586+/-0.000 χ^2/NDF : 7420104563.4/16

Left Out: 9.314+/-0.000 χ^2/NDF : 1064447963.2/13

Right Out: 10.580+/-0.000 χ^2/NDF : 5763852721.2/18

Left In: 9.313+/-0.000 χ^2/NDF : 520826519.2/11

Left: 9.314+/-0.000 χ^2/NDF : 1585311788.4/25

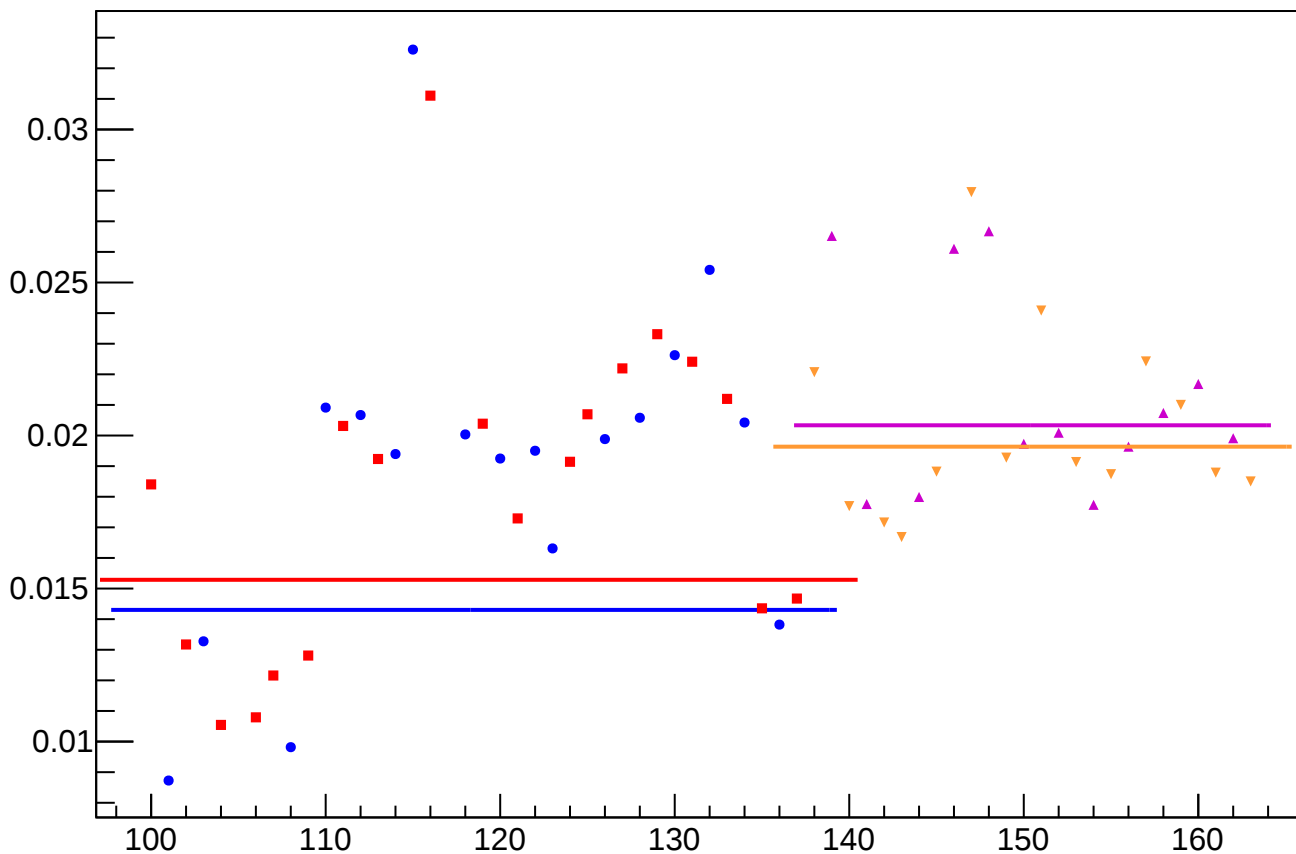
Right: 10.583+/-0.000 χ^2/NDF : 13184410027.5/35

In: 10.012+/-0.000 χ^2/NDF : 26973950945.0/28

Out: 9.956+/-0.000 χ^2/NDF : 26817580567.9/32

All: 9.983+/-0.000 χ^2/NDF : 53870332773.3/66

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1408012.0/16

Left Out: 0.020+/-0.000 χ^2/NDF : 313873.4/13

Right Out: 0.015+/-0.000 χ^2/NDF : 989017.0/18

Left In: 0.020+/-0.000 χ^2/NDF : 336634.0/11

Left: 0.020+/-0.000 χ^2/NDF : 661673.3/25

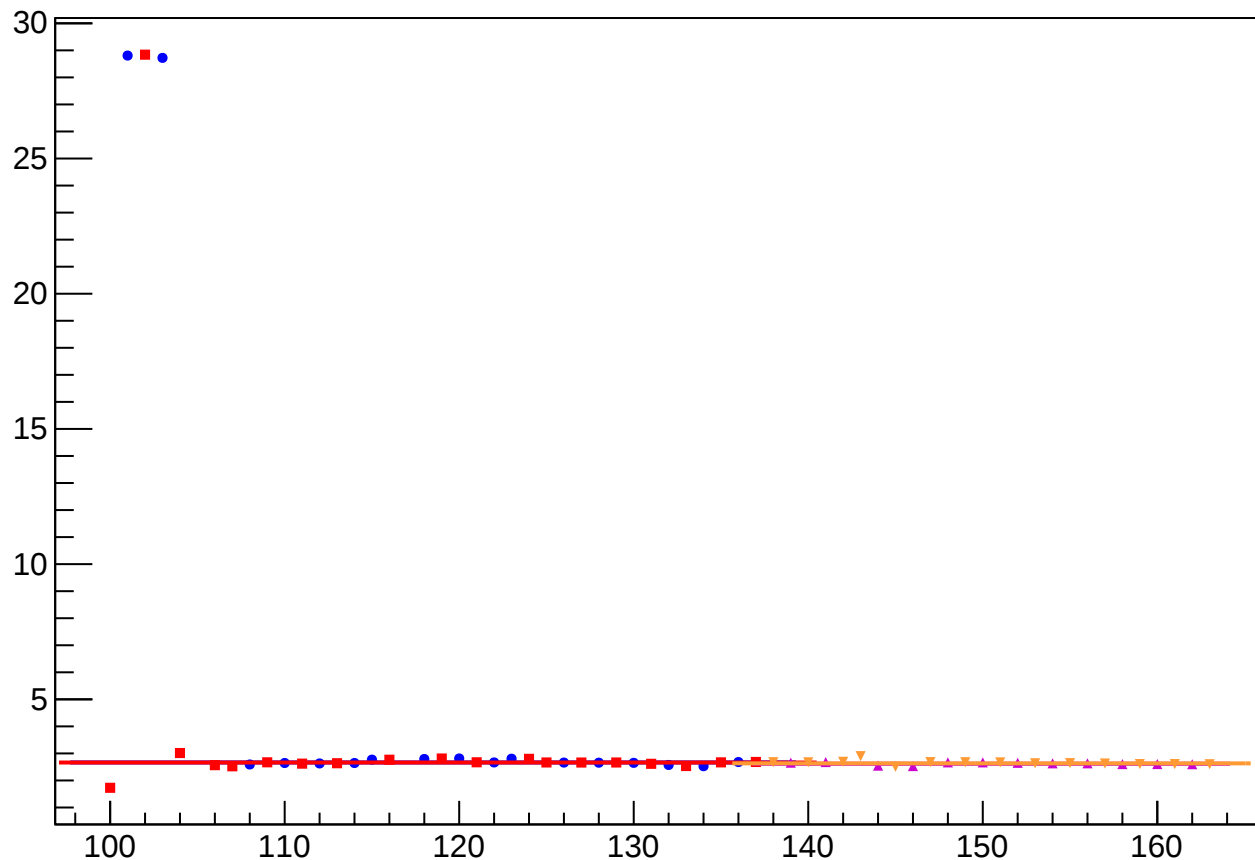
Right: 0.015+/-0.000 χ^2/NDF : 2421831.8/35

In: 0.017+/-0.000 χ^2/NDF : 2598341.0/28

Out: 0.017+/-0.000 χ^2/NDF : 1774874.4/32

All: 0.017+/-0.000 χ^2/NDF : 4381495.8/61

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.666+/-0.000 χ^2/NDF : 163167327359.4/16

Left Out: 2.632+/-0.000 χ^2/NDF : 11788737287.3/13

Right Out: 2.664+/-0.000 χ^2/NDF : 70398125461.7/18

Left In: 2.617+/-0.000 χ^2/NDF : 3903965488.8/11

Left: 2.625+/-0.000 χ^2/NDF : 15864291804.7/25

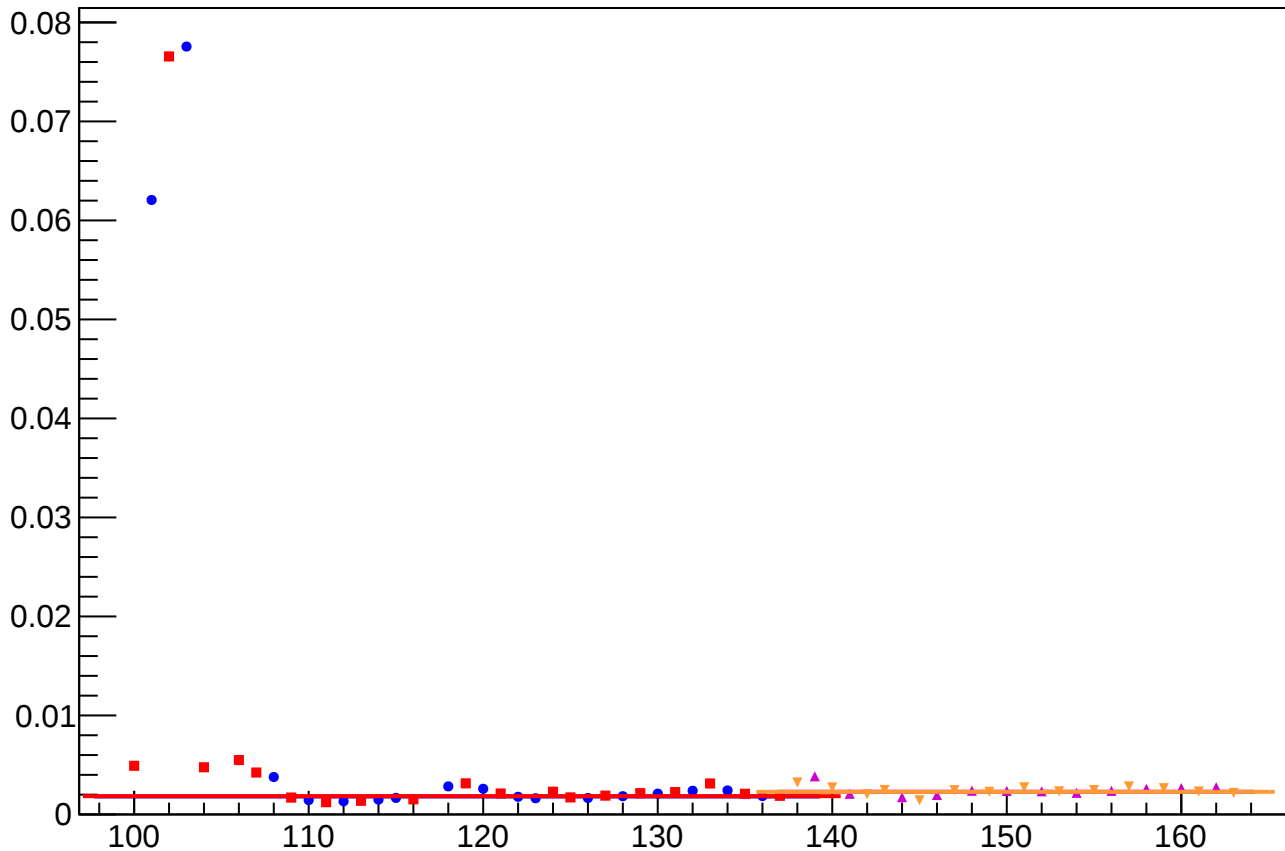
Right: 2.665+/-0.000 χ^2/NDF : 233569925265.6/35

In: 2.640+/-0.000 χ^2/NDF : 168754605722.5/28

Out: 2.647+/-0.000 χ^2/NDF : 82923669019.0/32

All: 2.644+/-0.000 χ^2/NDF : 251740137125.6

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 : 697492.7/13

Right Out: 0.002+/-0.000 χ^2/NDF : 2331228.4/18

Left In: 0.002+/-0.000 χ^2/NDF : 502653.3/11

Left: 0.002+/-0.000 χ^2/NDF : 1200212.6/25

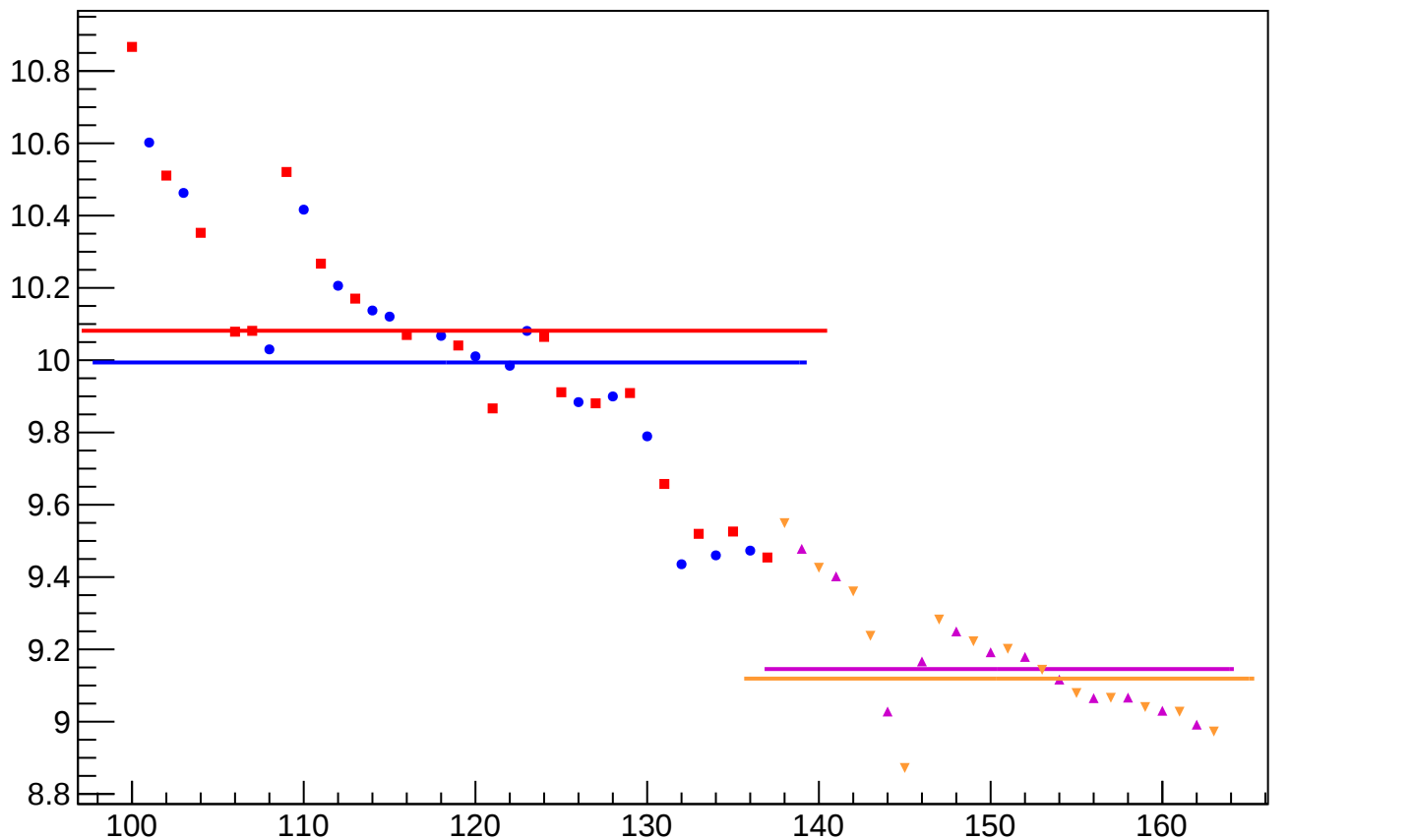
Right: 0.002+/-0.000 χ^2/NDF : 4993749.3/35

In: 0.002+/-0.000 χ^2/NDF : 3486133.7/28

Out: 0.002+/-0.000 χ^2/NDF : 3321280.7/32

All: 0.002+/-0.000 χ^2/NDF : 6807852.3/61

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.994+/-0.000 χ^2/NDF : 18815741664.6/16

Left Out: 9.119+/-0.000 χ^2/NDF : 5768931003.2/13

Right Out: 10.082+/-0.000 χ^2/NDF : 15502695798.7/18

Left In: 9.146+/-0.000 χ^2/NDF : 3041230061.1/11

Left: 9.131+/-0.000 χ^2/NDF : 8880273757.2/25

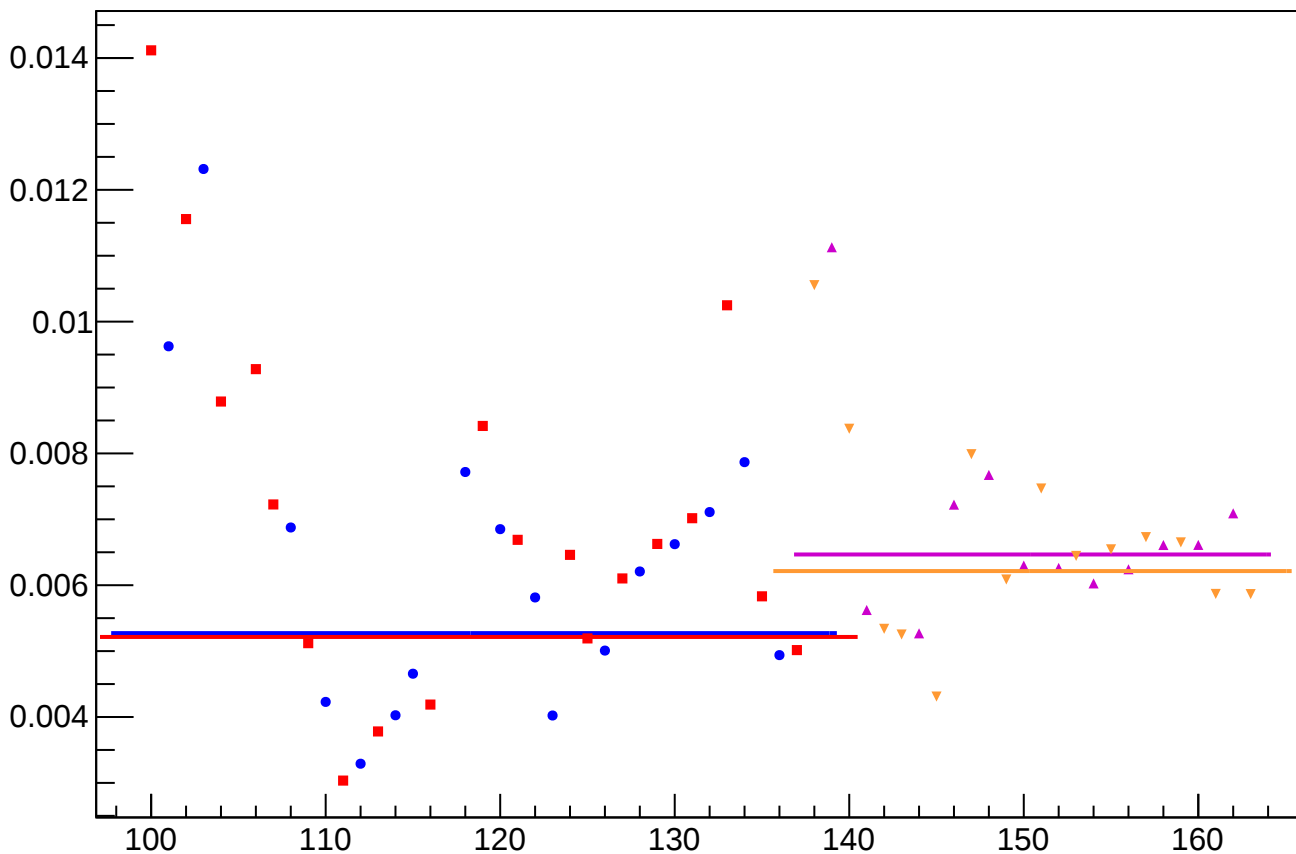
Right: 10.039+/-0.000 χ^2/NDF : 35036056098.5/35

In: 9.561+/-0.000 χ^2/NDF : 88266282911.2/28

Out: 9.573+/-0.000 χ^2/NDF : 115403173197.4/32

All: 9.567+/-0.000 χ^2/NDF : 203696583575.9

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 : 678638.3/13

Right Out: 0.005+/-0.000 χ^2/NDF : 1657948.7/18

Left In: 0.006+/-0.000 χ^2/NDF : 401826.0/11

Left: 0.006+/-0.000 χ^2/NDF : 1093226.6/25

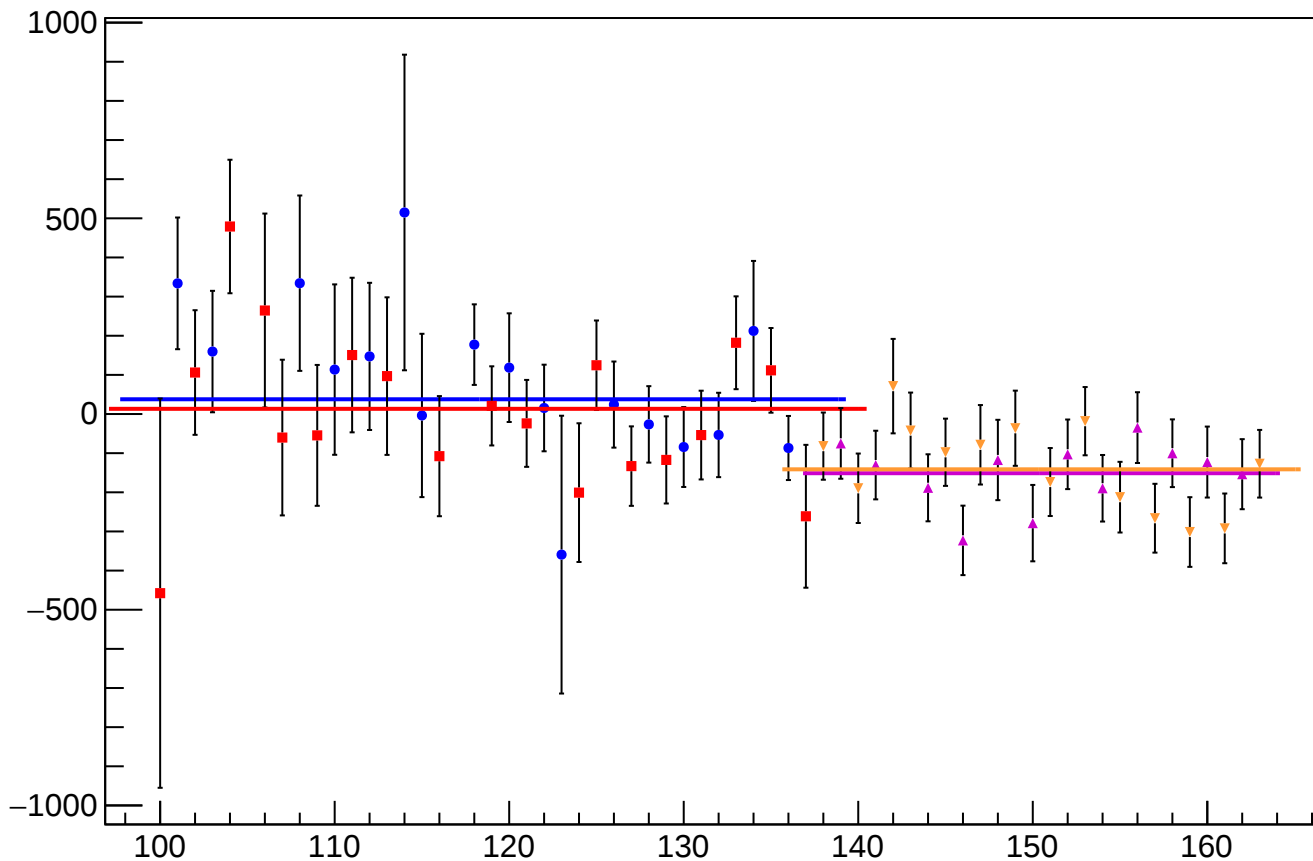
Right: 0.005+/-0.000 χ^2/NDF : 2904141.2/35

In: 0.006+/-0.000 χ^2/NDF : 1910372.8/28

Out: 0.006+/-0.000 χ^2/NDF : 2539791.2/32

All: 0.006+/-0.000 χ^2/NDF : 4457619.1/61

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 37.694 $\pm$ 32.253 χ^2/NDF : 16.7/16

Left Out: -141.273 $\pm$ 24.391 χ^2/NDF :17.7/13

Right Out: 13.278 $\pm$ 32.066 χ^2/NDF : 22.7/18

Left In: -151.208 $\pm$ 25.965 χ^2/NDF :9.1/11

Left: -145.930 $\pm$ 17.778 χ^2/NDF : 26.9/25

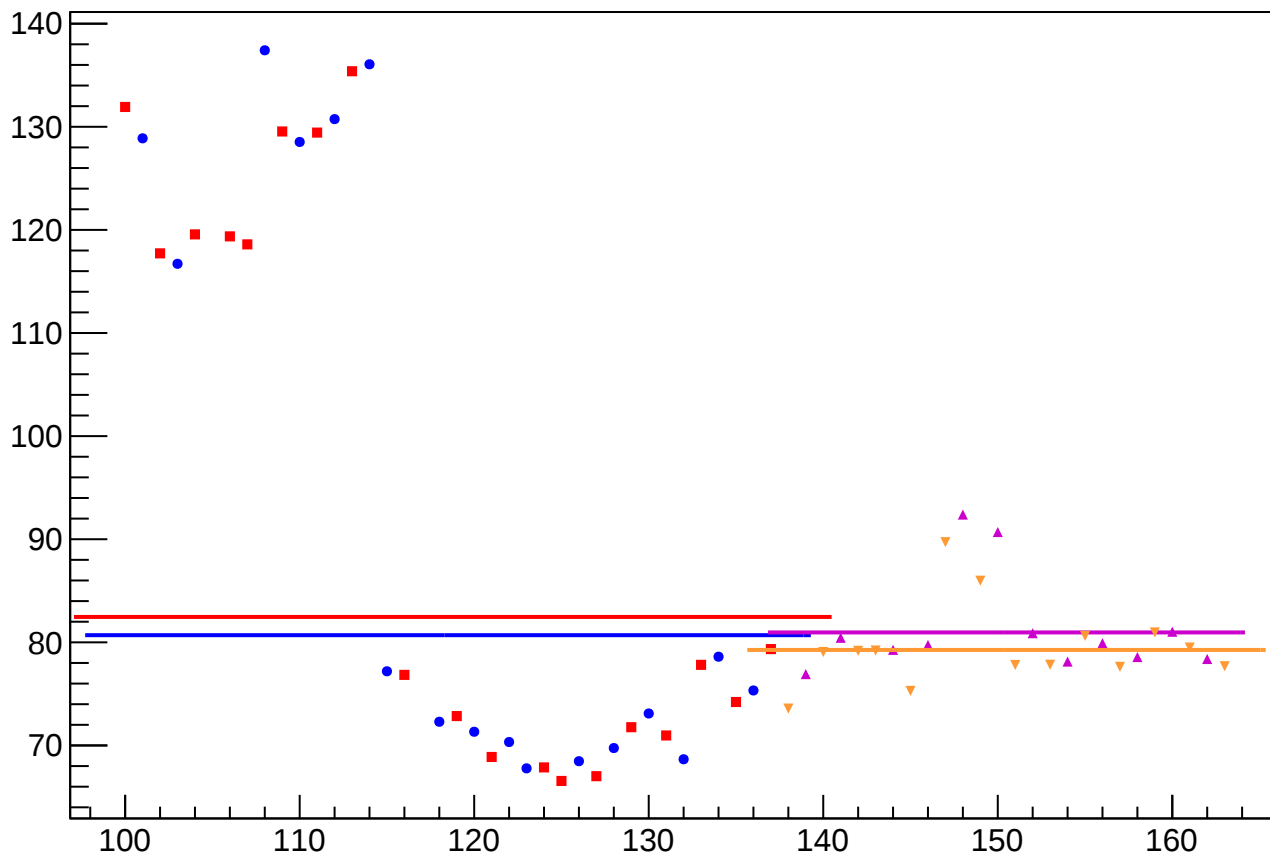
Right: 25.415 $\pm$ 22.740 χ^2/NDF : 39.7/35

In: -76.927 $\pm$ 20.225 χ^2/NDF :46.6/28

Out: -84.626 $\pm$ 19.413 χ^2/NDF :55.1/32

All: -80.934 $\pm$ 14.006 χ^2/NDF : 101.8/61

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.694 $\pm$ 0.023 χ^2/NDF : 814026.4/16

Left Out: 79.263 $\pm$ 0.017 χ^2/NDF : 47716.9/13

Right Out: 82.464 $\pm$ 0.023 χ^2/NDF : 914878.0/18

Left In: 80.961 $\pm$ 0.018 χ^2/NDF : 55592.0/11

Left: 80.059 $\pm$ 0.013 χ^2/NDF : 107853.3/25

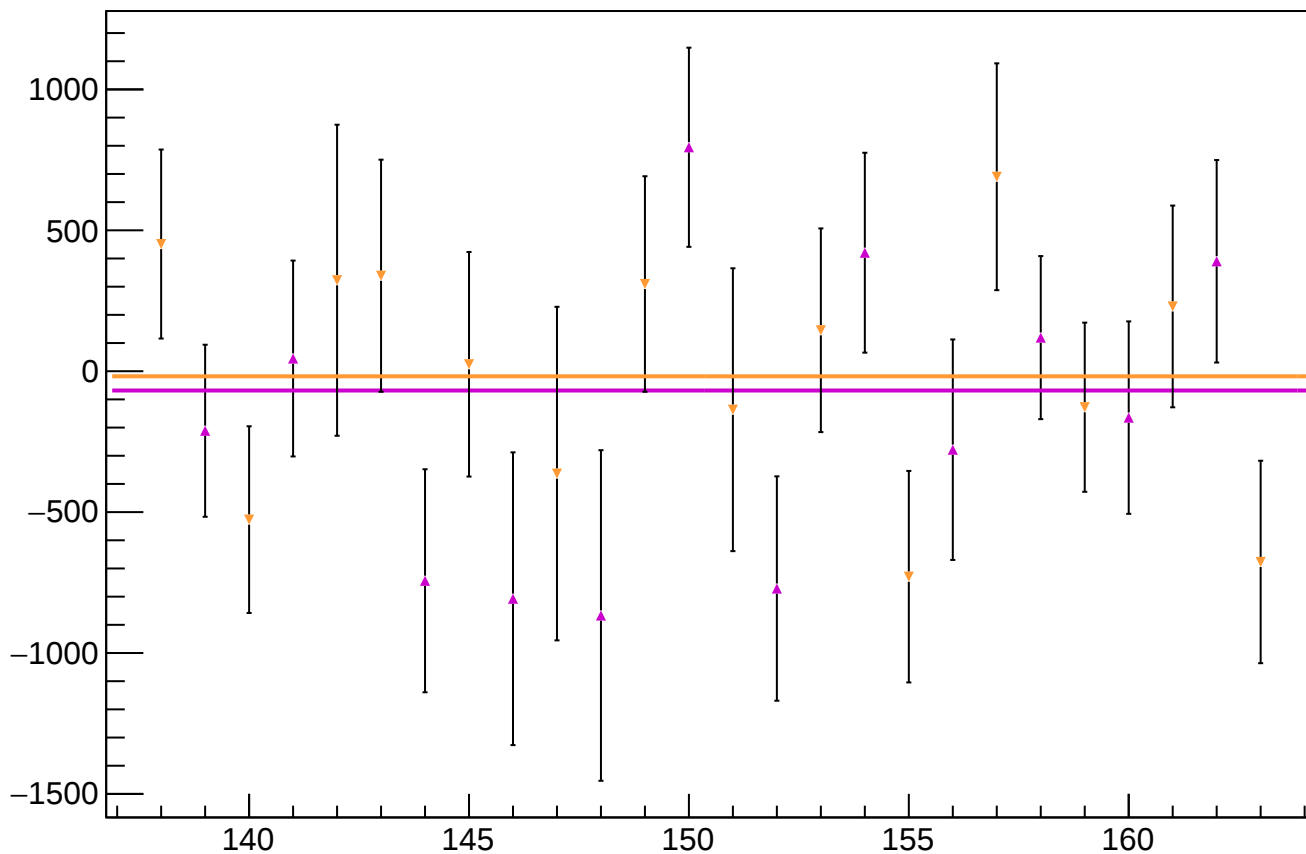
Right: 81.584 $\pm$ 0.016 χ^2/NDF : 1731931.3/35

In: 80.856 $\pm$ 0.014 χ^2/NDF : 869701.3/28

Out: 80.436 $\pm$ 0.014 χ^2/NDF : 975219.3/32

All: 80.637 $\pm$ 0.010 χ^2/NDF : 1845369.7/61

asym_sam1_correction_mean vs Slug, Sign Corrected



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

Left Out: -18.047+/-102.747 χ^2/NDF :17.5/13

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

Left In: -68.463+/-105.956 χ^2/NDF :20.5/11

Left: -42.480+/-73.762 χ^2/NDF : 38.1/25

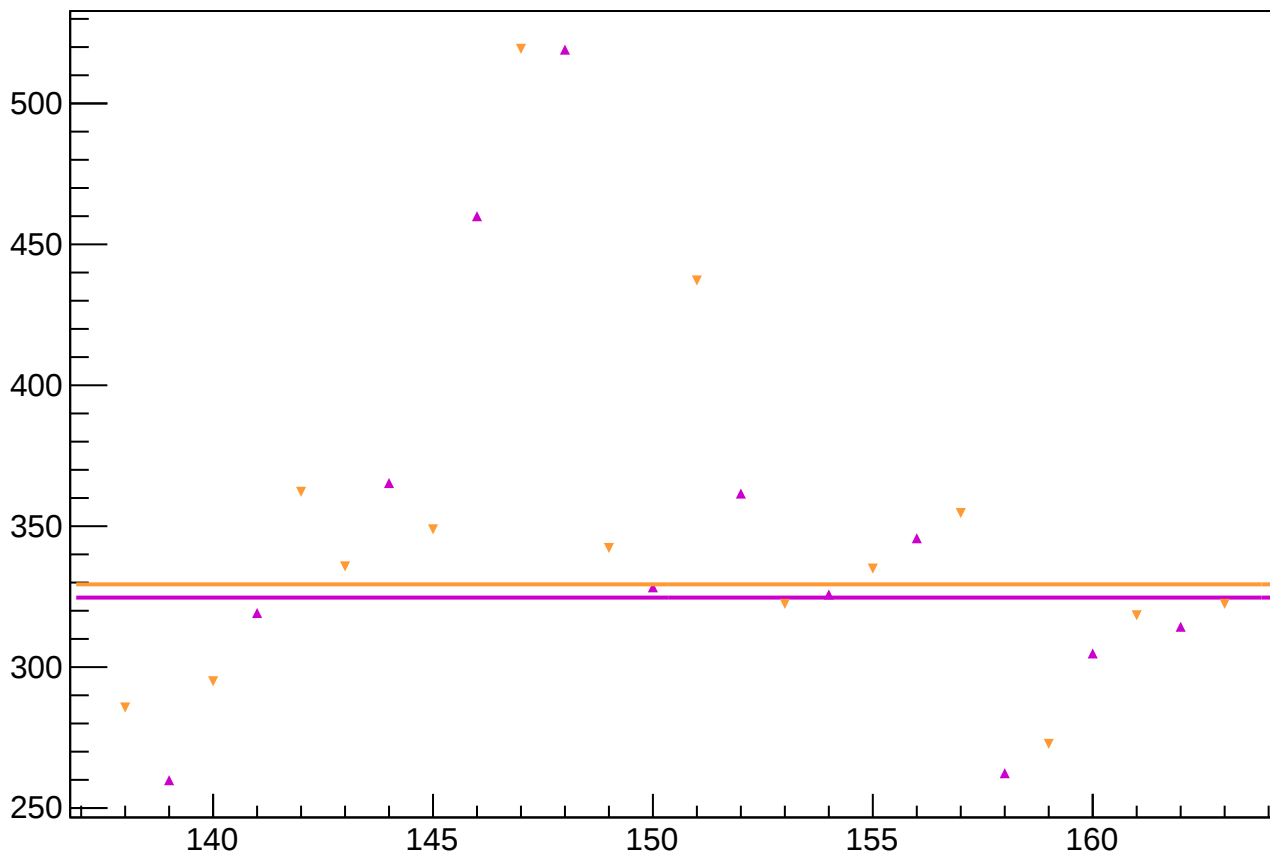
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -68.463+/-105.956 χ^2/NDF :20.5/11

Out: -18.047+/-102.747 χ^2/NDF :17.5/13

All: -42.480+/-73.762 χ^2/NDF : 38.1/25

asym_sam1_correction_rms vs Slug, Sign Corrected



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

Left Out: 329.368+/-0.073 χ^2/NDF :451387.4/13

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

Left In: 324.669+/-0.075 χ^2/NDF :591499.9/11

Left: 327.091+/-0.052 χ^2/NDF : 1044914.0/25

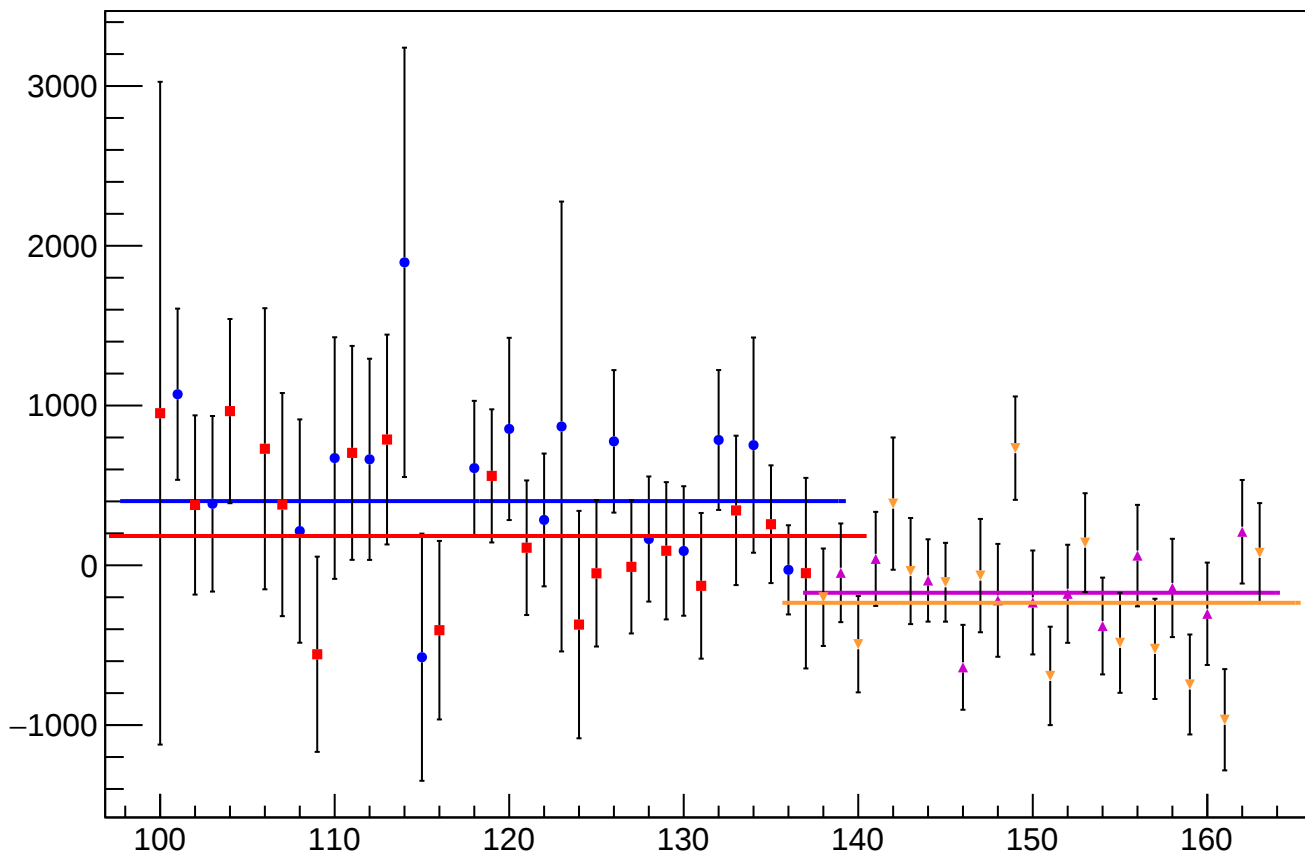
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 324.669+/-0.075 χ^2/NDF :591499.9/11

Out: 329.368+/-0.073 χ^2/NDF :451387.4/13

All: 327.091+/-0.052 χ^2/NDF : 1044914.0/25

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 401.871 $\pm$ 121.048 χ^2 /NDF: 10.9/16

Left Out: -234.710 $\pm$ 83.791 χ^2 /NDF:27.0/13

Right Out: 183.481 $\pm$ 120.338 χ^2 /NDF: 9.3/18

Left In: -171.911 $\pm$ 87.722 χ^2 /NDF:6.5/11

Left: -204.749 $\pm$ 60.591 χ^2 /NDF: 33.7/25

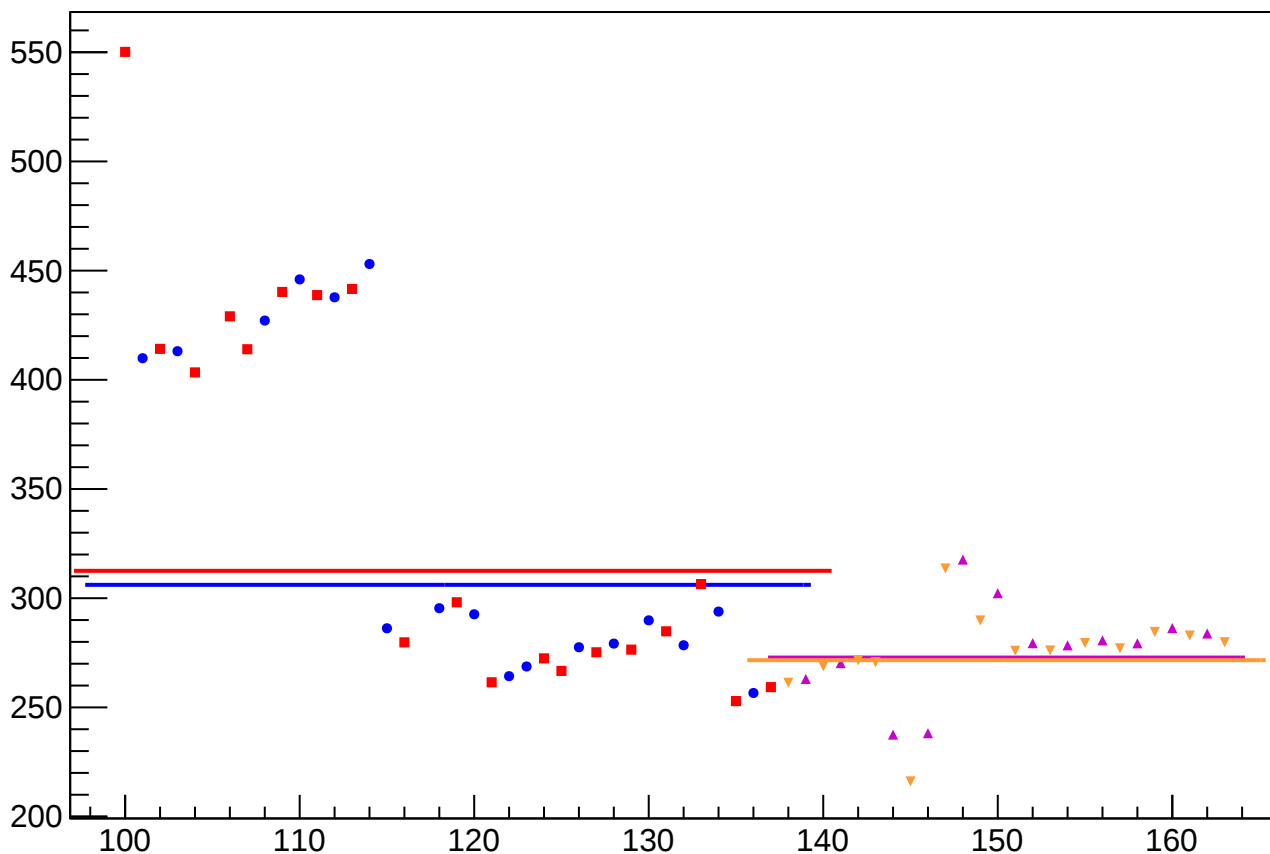
Right: 292.034 $\pm$ 85.342 χ^2 /NDF: 21.9/35

In: 25.665 $\pm$ 71.031 χ^2 /NDF:32.1/28

Out: -98.163 $\pm$ 68.763 χ^2 /NDF:44.5/32

All: -38.257 $\pm$ 49.405 χ^2 /NDF: 78.2/61

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 306.123+/-0.086 χ^2/NDF : 508435.8/16

Left Out: 271.617+/-0.059 χ^2/NDF : 148107.3/13

Right Out: 312.543+/-0.085 χ^2/NDF : 625769.8/18

Left In: 272.819+/-0.062 χ^2/NDF : 131855.0/11

Left: 272.190+/-0.043 χ^2/NDF : 280158.7/25

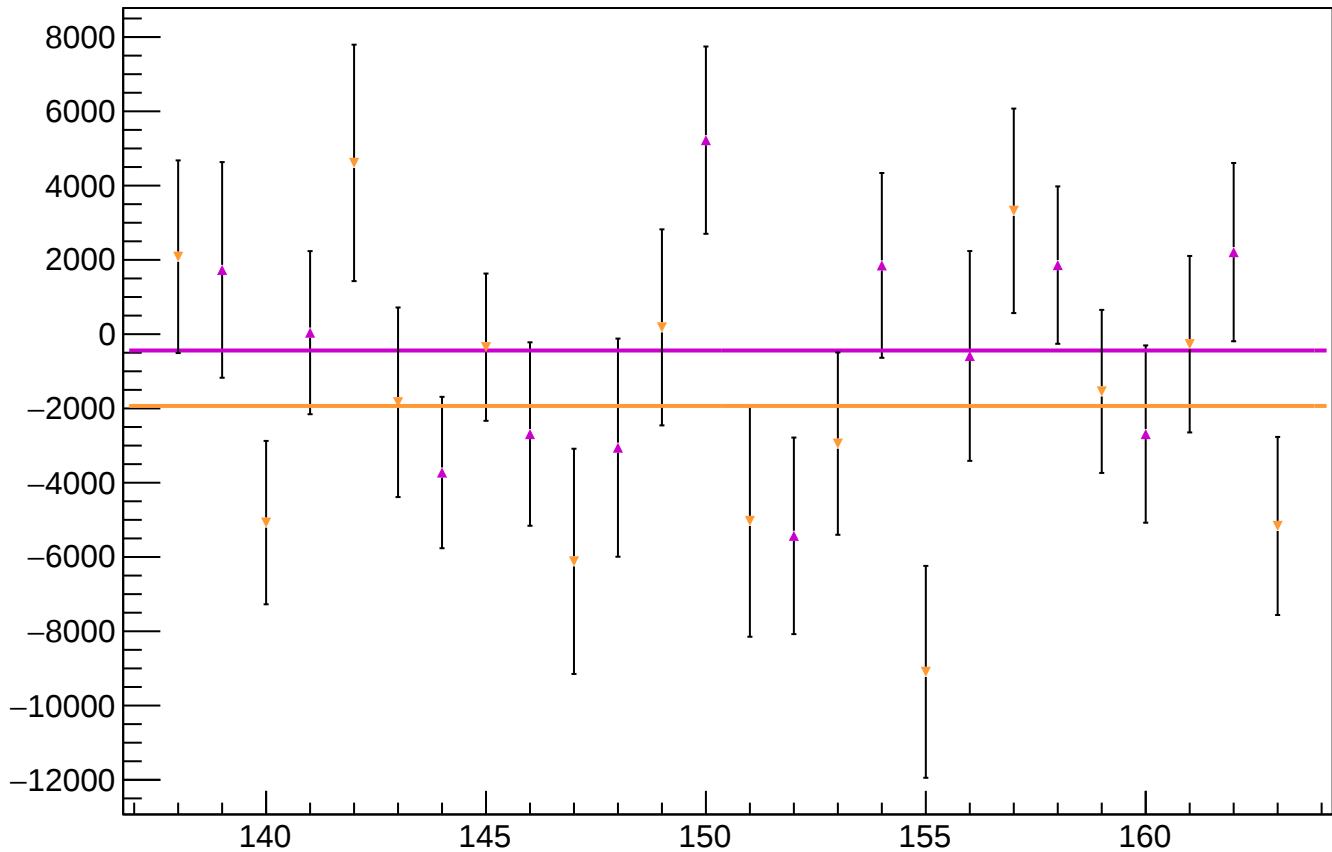
Right: 309.352+/-0.060 χ^2/NDF : 1137034.2/35

In: 284.287+/-0.050 χ^2/NDF : 739558.1/28

Out: 284.980+/-0.049 χ^2/NDF : 929670.3/32

All: 284.645+/-0.035 χ^2/NDF : 1669326.6/61

asym_sam2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1932.646+/-674.739 χ^2/NDF :25.3/13

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

Left In: -439.891+/-706.166 χ^2/NDF :17.6/11

Left: -1220.223+/-487.845 χ^2/NDF : 45.2/25

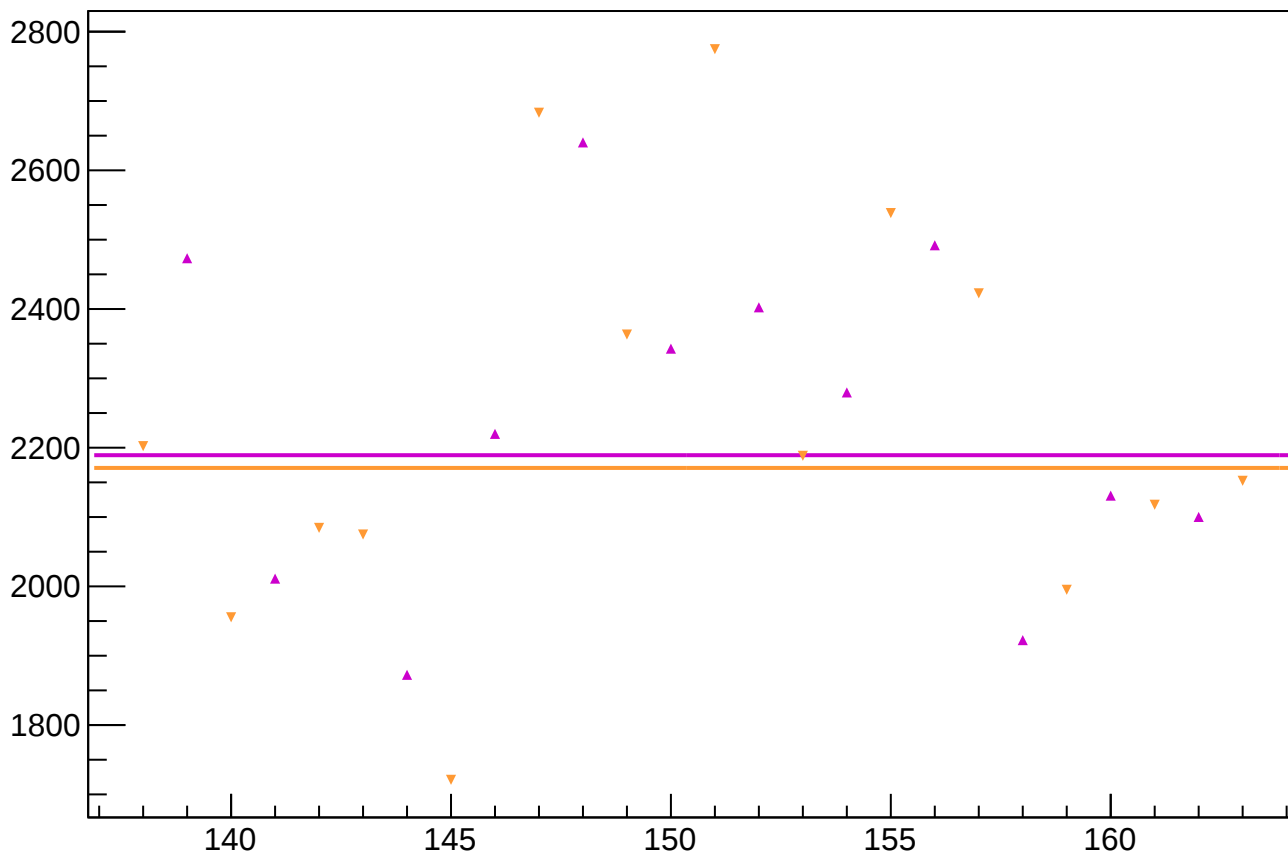
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -439.891+/-706.166 χ^2/NDF :17.6/11

Out: -1932.646+/-674.739 χ^2/NDF :25.3/13

All: -1220.223+/-487.845 χ^2/NDF : 45.2/25

asym_sam2_correction_rms vs Slug, Sign Corrected



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

Left Out: 2170.824+/-0.477 χ^2/NDF :333341.3/13

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

Left In: 2189.188+/-0.499 χ^2/NDF :209750.3/11

Left: 2179.588+/-0.345 χ^2/NDF : 543798.6/25

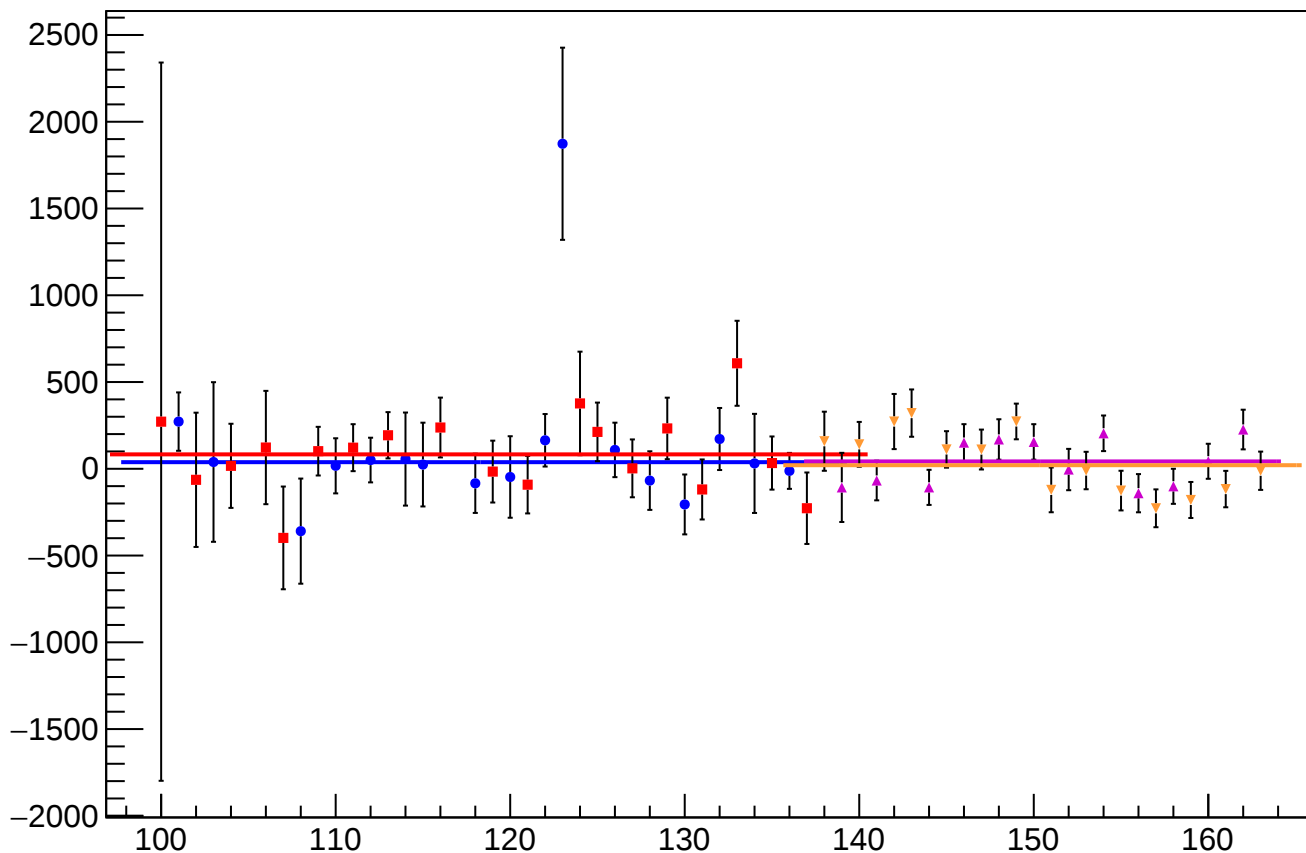
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2189.188+/-0.499 χ^2/NDF :209750.3/11

Out: 2170.824+/-0.477 χ^2/NDF :333341.3/13

All: 2179.588+/-0.345 χ^2/NDF : 543798.6/25

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 38.126 $\pm$ 43.548 χ^2/NDF : 19.4/16

Left Out: 20.628 $\pm$ 31.296 χ^2/NDF : 29.9/13

Right Out: 83.101 $\pm$ 43.098 χ^2/NDF : 16.7/18

Left In: 42.461 $\pm$ 31.976 χ^2/NDF : 17.1/11

Left: 31.310 $\pm$ 22.366 χ^2/NDF : 47.3/25

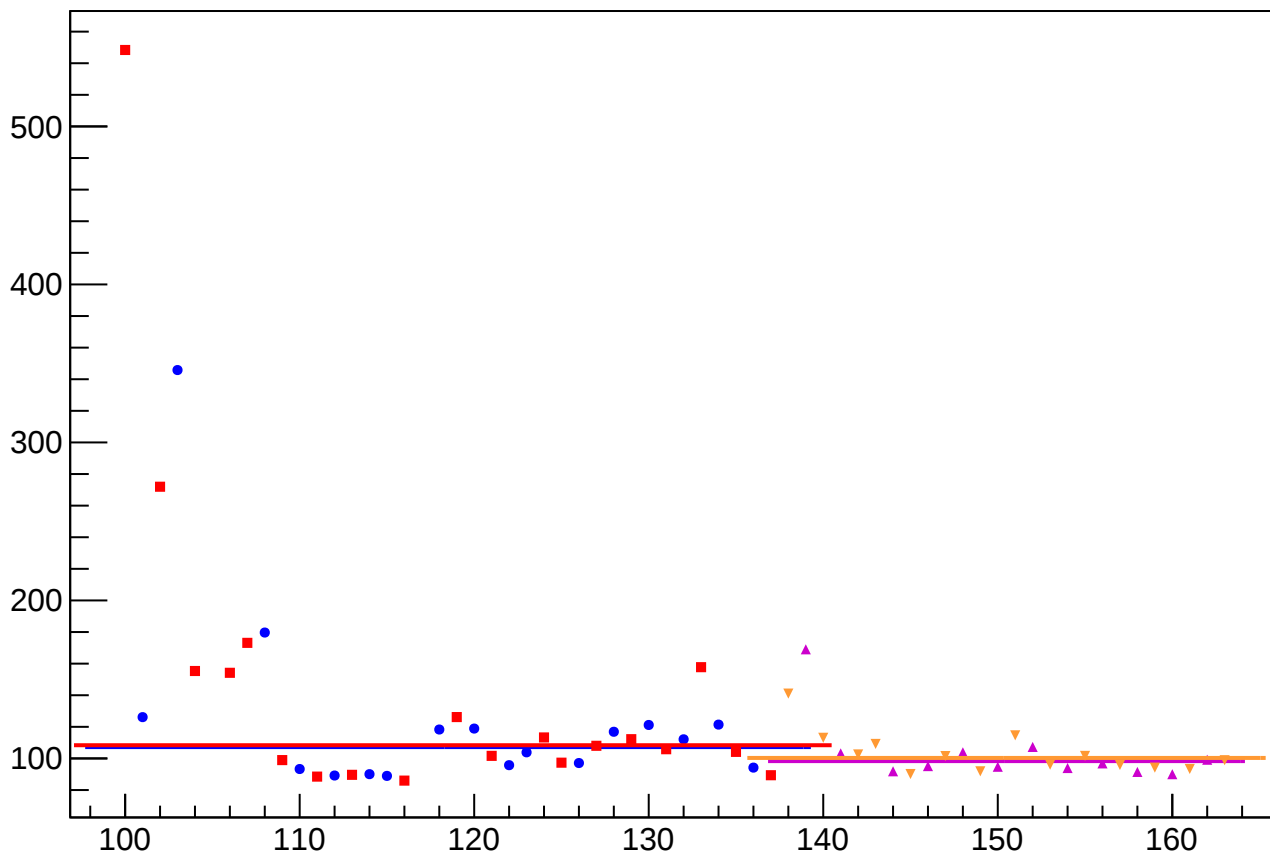
Right: 60.847 $\pm$ 30.633 χ^2/NDF : 36.7/35

In: 40.943 $\pm$ 25.774 χ^2/NDF : 36.5/28

Out: 42.197 $\pm$ 25.324 χ^2/NDF : 48.0/32

All: 41.581 $\pm$ 18.064 χ^2/NDF : 84.5/61

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 107.189+/-0.031 χ^2/NDF : 843115.1/16

Left Out: 100.316+/-0.022 χ^2/NDF : 222685.4/13

Right Out: 108.359+/-0.030 χ^2/NDF : 917287.7/18

Left In: 98.308+/-0.023 χ^2/NDF : 310828.6/11

Left: 99.334+/-0.016 χ^2/NDF : 537540.6/25

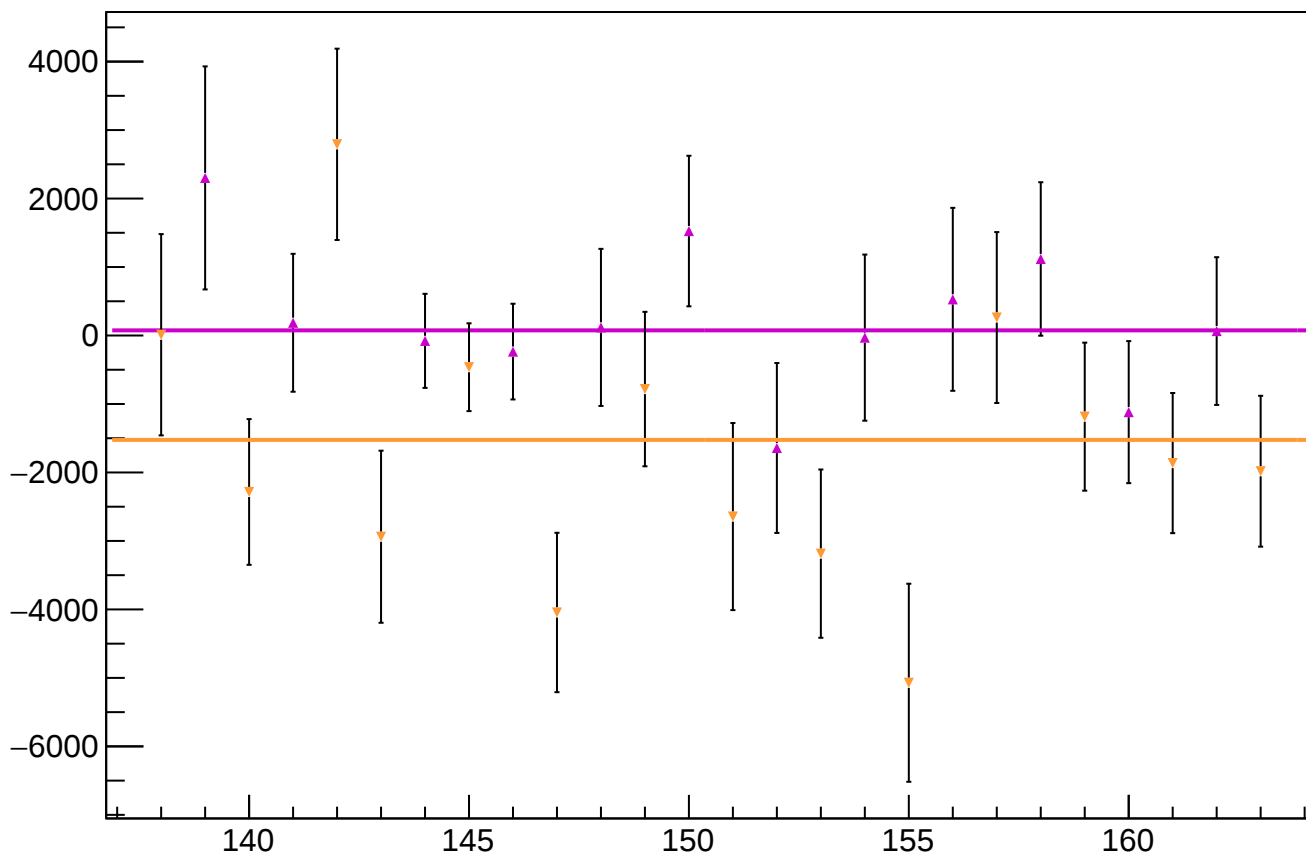
Right: 107.780+/-0.022 χ^2/NDF : 1761132.0/35

In: 101.419+/-0.018 χ^2/NDF : 1207979.8/28

Out: 103.093+/-0.018 χ^2/NDF : 1185576.2/32

All: 102.271+/-0.013 χ^2/NDF : 2397847.1/61

asym_sam3_correction_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -1524.189 $\pm$ 296.135 χ^2 /NDF:31.2/13

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 75.060 $\pm$ 293.693 χ^2 /NDF:8.1/11

Left: -717.942 $\pm$ 208.530 χ^2 /NDF: 54.0/25

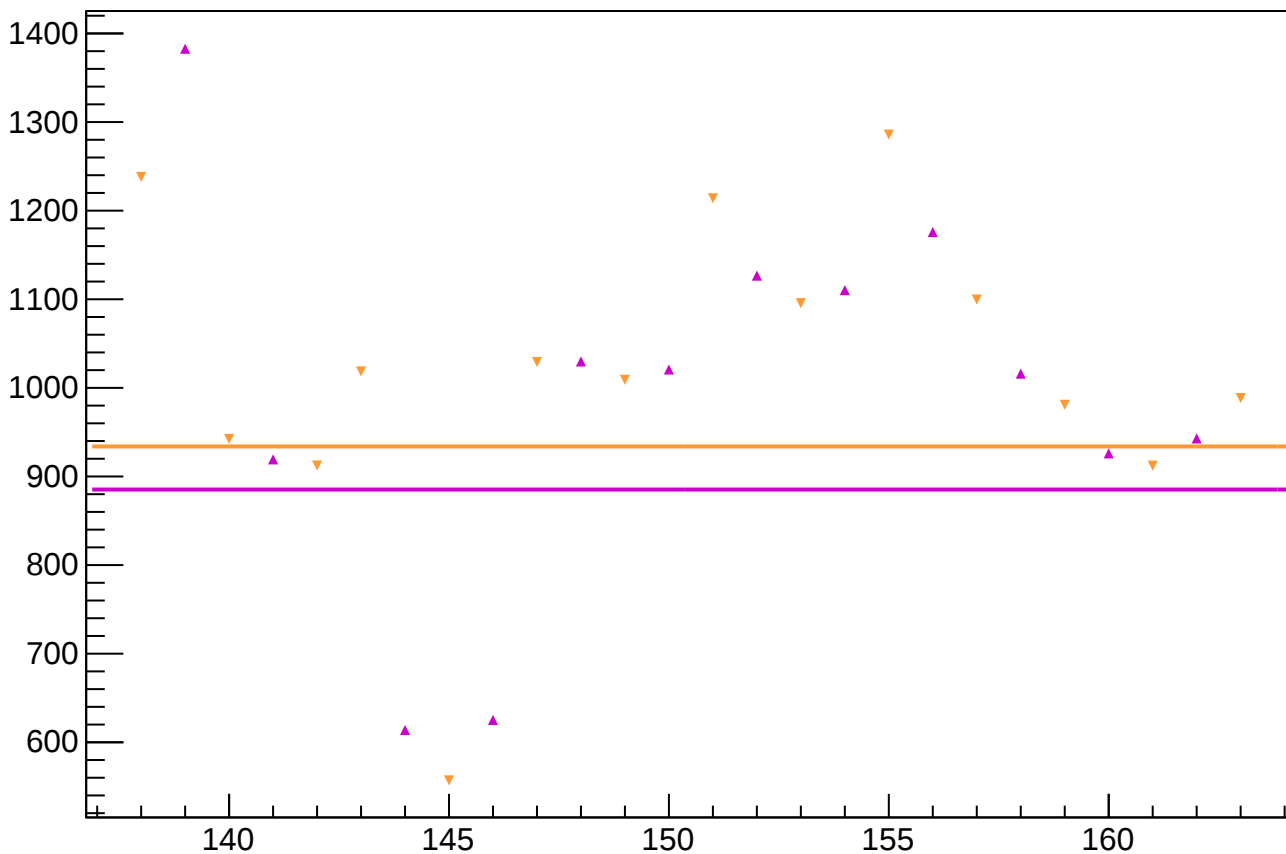
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 75.060 $\pm$ 293.693 χ^2 /NDF:8.1/11

Out: -1524.189 $\pm$ 296.135 χ^2 /NDF:31.2/13

All: -717.942 $\pm$ 208.530 χ^2 /NDF: 54.0/25

asym_sam3_correction_rms vs Slug, Sign Corrected



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

Left Out: 933.877+/-0.209 χ^2/NDF :1090777.5/13

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

Left In: 885.243+/-0.208 χ^2/NDF :1115670.8/11

Left: 909.359+/-0.147 χ^2/NDF : 2233642.5/25

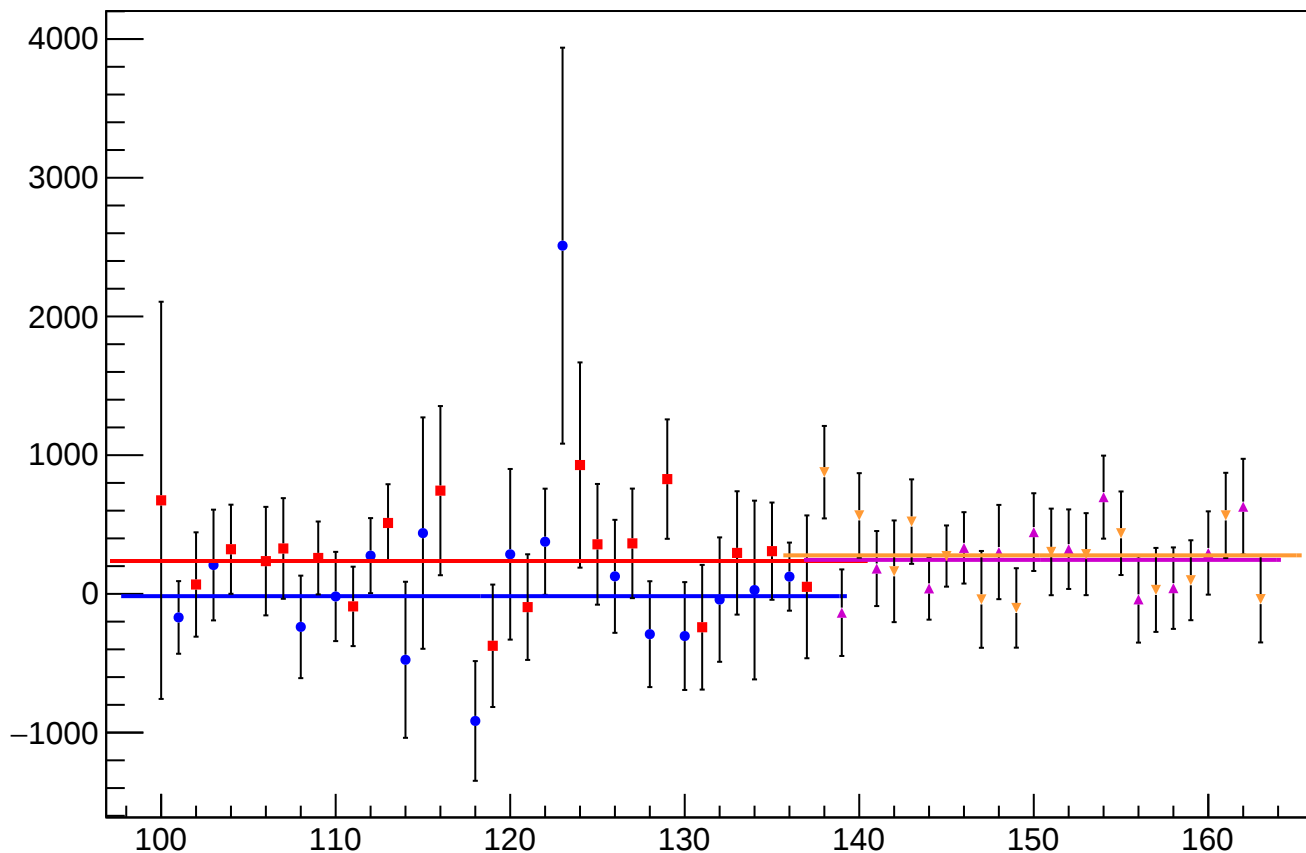
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 885.243+/-0.208 χ^2/NDF :1115670.8/11

Out: 933.877+/-0.209 χ^2/NDF :1090777.5/13

All: 909.359+/-0.147 χ^2/NDF : 2233642.5/25

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -16.459 $\pm$ 93.285 χ^2/NDF : 13.4/16

Left Out: 277.847 $\pm$ 80.189 χ^2/NDF : 10.7/13

Right Out: 236.984 $\pm$ 88.937 χ^2/NDF : 10.3/18

Left In: 245.126 $\pm$ 83.101 χ^2/NDF : 8.0/11

Left: 262.070 $\pm$ 57.704 χ^2/NDF : 18.7/25

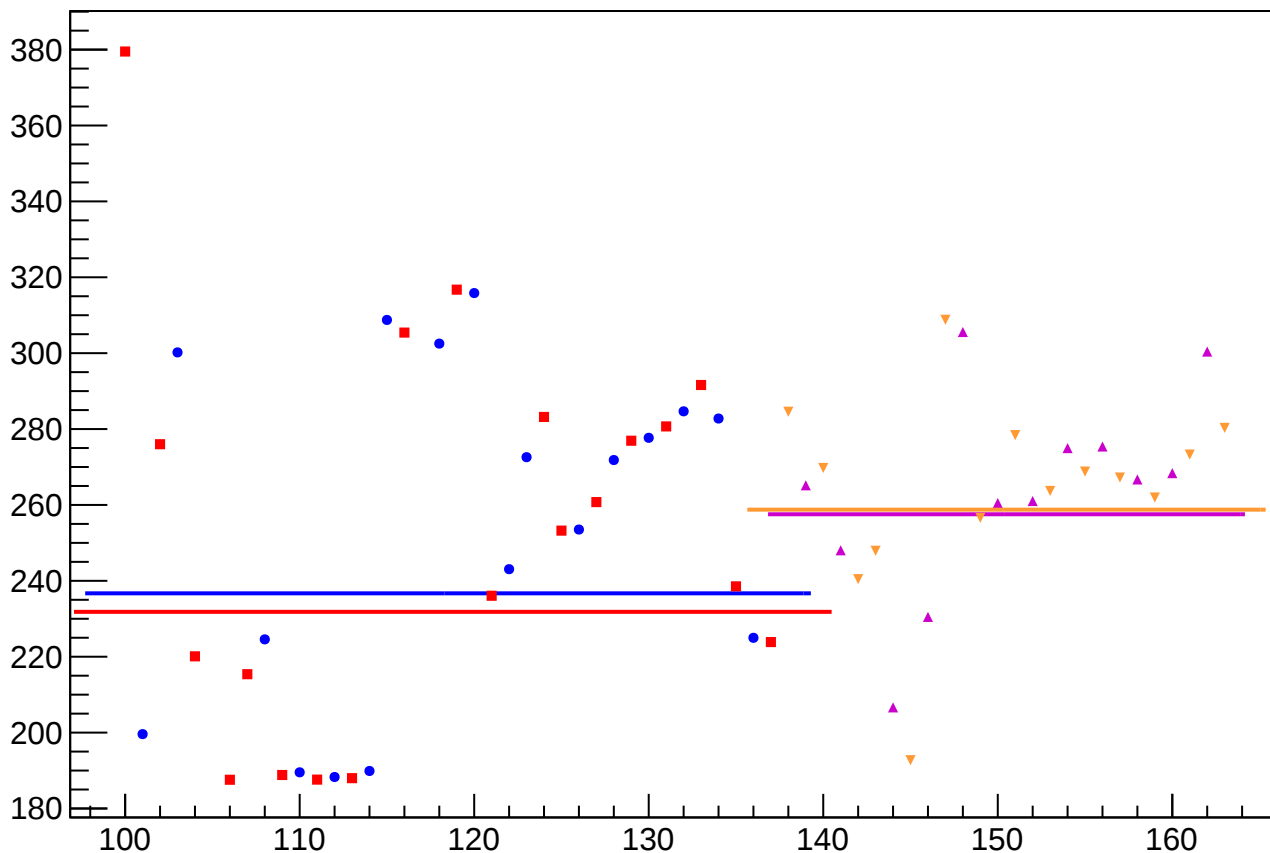
Right: 116.305 $\pm$ 64.370 χ^2/NDF : 27.6/35

In: 129.385 $\pm$ 62.051 χ^2/NDF : 25.8/28

Out: 259.523 $\pm$ 59.555 χ^2/NDF : 21.1/32

All: 197.123 $\pm$ 42.967 χ^2/NDF : 49.2/61

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 236.706+/-0.066 χ^2/NDF : 390344.9/16

Left Out: 258.759+/-0.057 χ^2/NDF : 269016.1/13

Right Out: 231.828+/-0.063 χ^2/NDF : 443276.3/18

Left In: 257.542+/-0.059 χ^2/NDF : 216931.5/11

Left: 258.172+/-0.041 χ^2/NDF : 486169.6/25

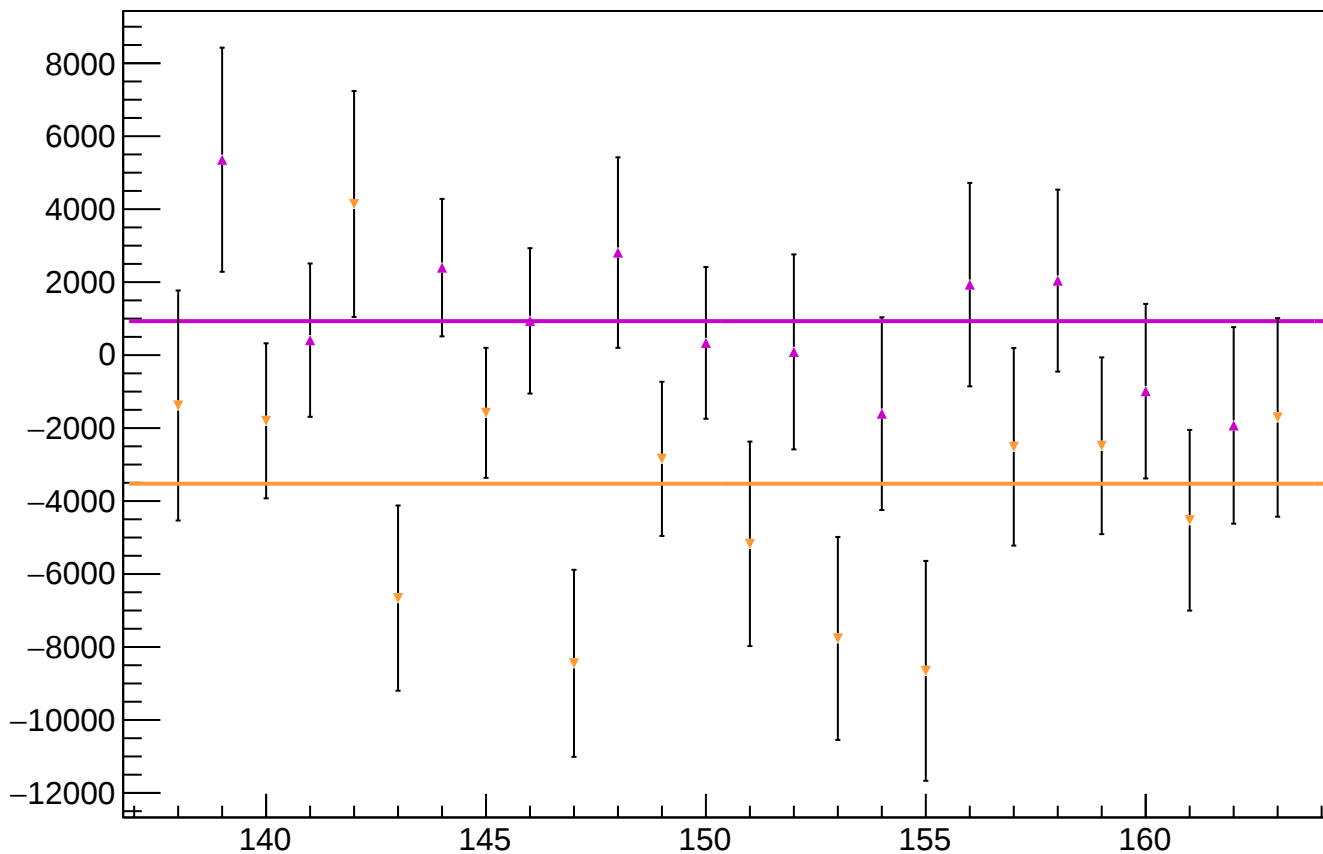
Right: 234.151+/-0.046 χ^2/NDF : 836486.0/35

In: 248.323+/-0.044 χ^2/NDF : 662908.4/28

Out: 246.683+/-0.042 χ^2/NDF : 813444.2/32

All: 247.469+/-0.030 χ^2/NDF : 1477080.2/61

asym_sam4_correction_mean vs Slug, Sign Corrected



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

Left Out: -3524.465+/-667.468 χ^2/NDF :20.3/13

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

Left In: 931.331+/-685.251 χ^2/NDF :6.5/11

Left: -1355.132+/-478.134 χ^2/NDF : 48.4/25

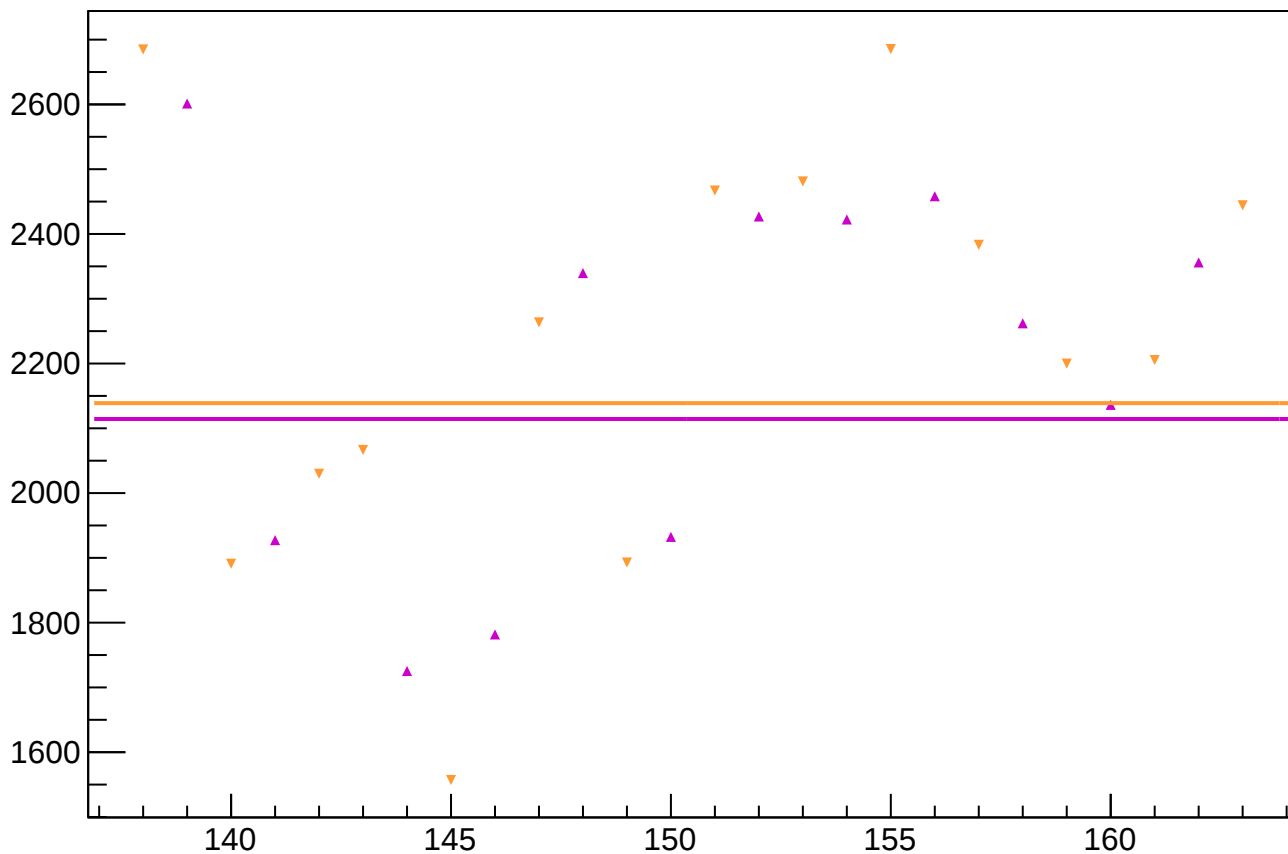
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 931.331+/-685.251 χ^2/NDF :6.5/11

Out: -3524.465+/-667.468 χ^2/NDF :20.3/13

All: -1355.132+/-478.134 χ^2/NDF : 48.4/25

asym_sam4_correction_rms vs Slug, Sign Corrected



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

Left Out: 2138.878+/-0.472 χ^2/NDF :504157.1/13

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

Left In: 2114.372+/-0.485 χ^2/NDF :345652.8/11

Left: 2126.947+/-0.338 χ^2/NDF : 851122.3/25

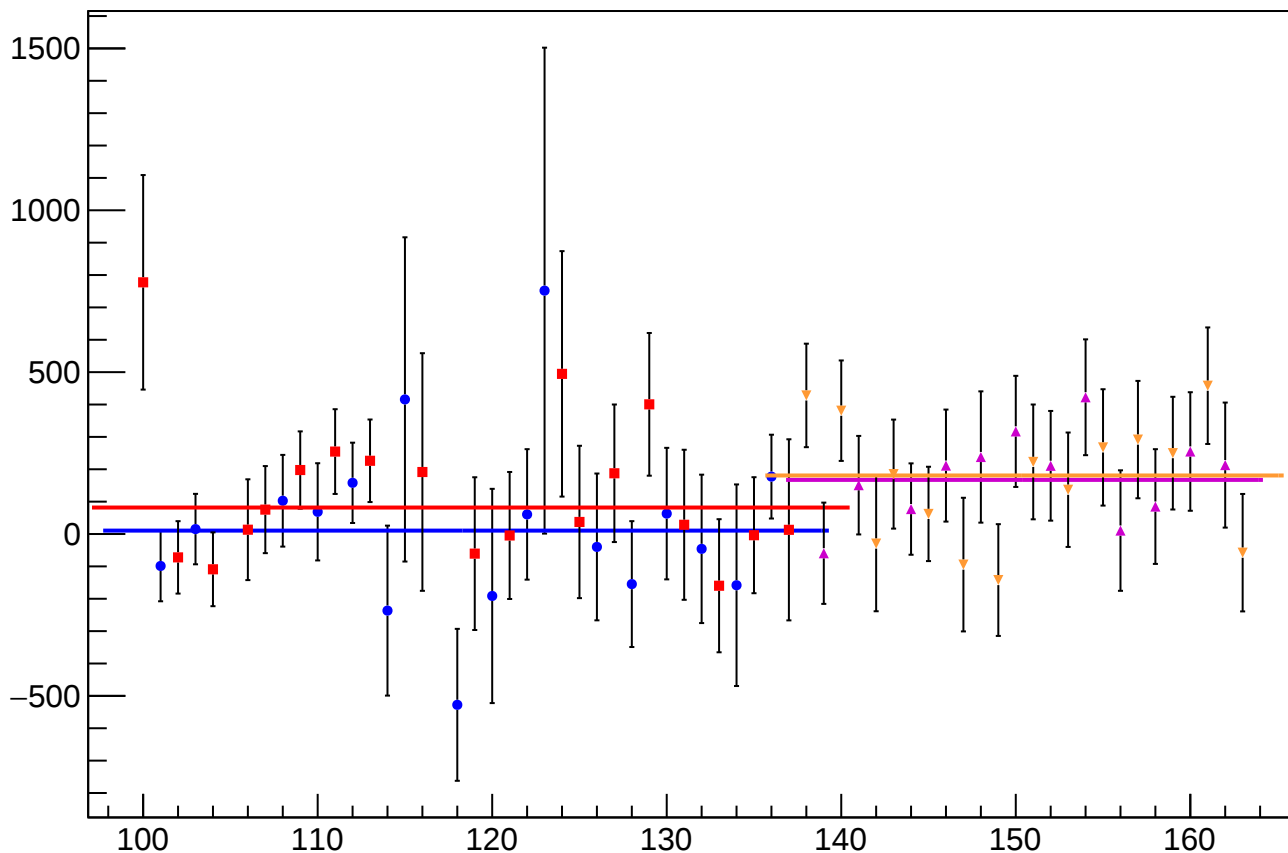
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2114.372+/-0.485 χ^2/NDF :345652.8/11

Out: 2138.878+/-0.472 χ^2/NDF :504157.1/13

All: 2126.947+/-0.338 χ^2/NDF : 851122.3/25

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 10.530+/-42.294 χ^2/NDF : 14.1/16

Left Out: 180.829+/-46.503 χ^2/NDF :16.0/13

Right Out: 81.802+/-38.985 χ^2/NDF : 19.2/18

Left In: 167.160+/-49.425 χ^2/NDF :6.8/11

Left: 174.410+/-33.868 χ^2/NDF : 22.8/25

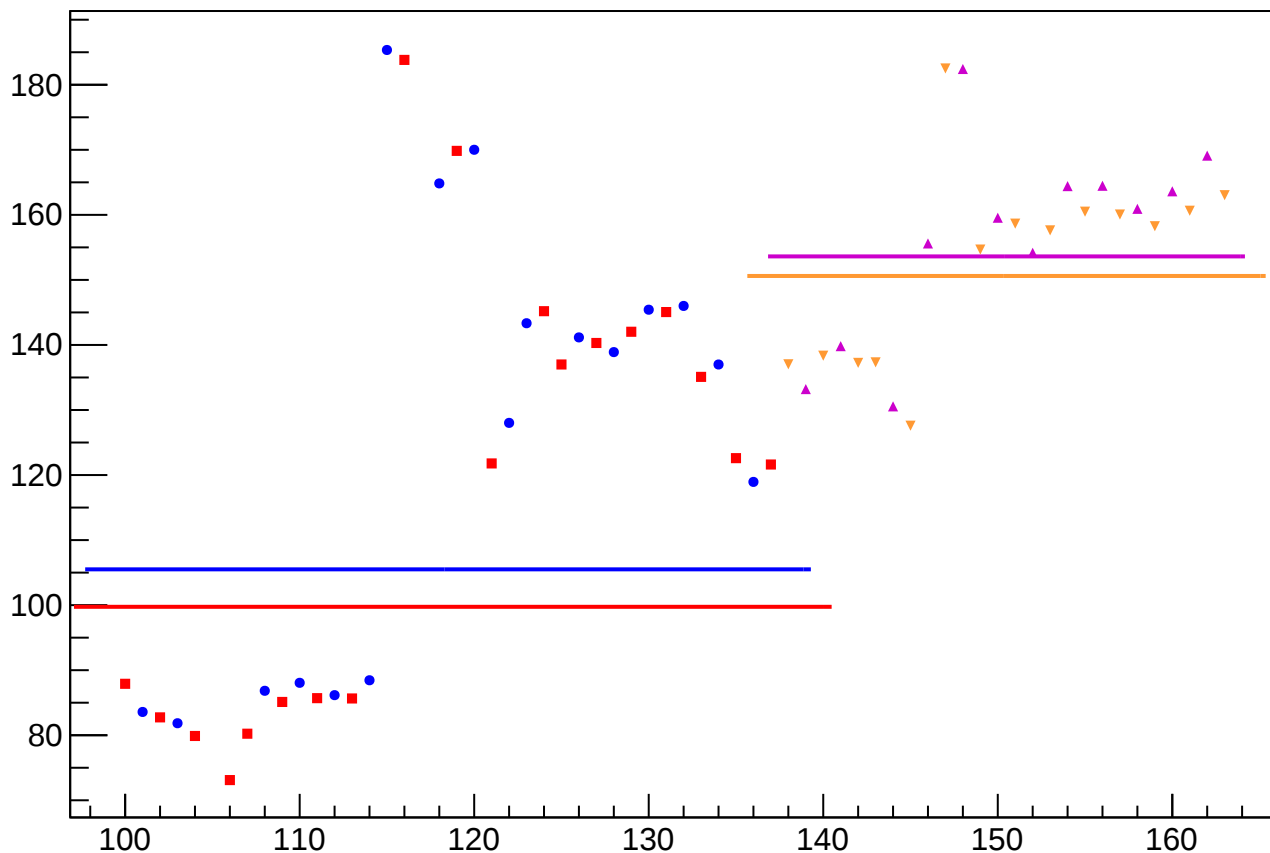
Right: 49.063+/-28.665 χ^2/NDF : 34.8/35

In: 76.742+/-32.135 χ^2/NDF :26.6/28

Out: 122.673+/-29.875 χ^2/NDF :37.9/32

All: 101.379+/-21.880 χ^2/NDF : 65.6/61

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 105.503 $\pm$ 0.030 χ^2 /NDF: 869022.6/16

Left Out: 150.605 $\pm$ 0.033 χ^2 /NDF:184507.1/13

Right Out: 99.744 $\pm$ 0.028 χ^2 /NDF: 1000097.3/18

Left In: 153.614 $\pm$ 0.035 χ^2 /NDF:183250.4/11

Left: 152.018 $\pm$ 0.024 χ^2 /NDF: 371687.8/25

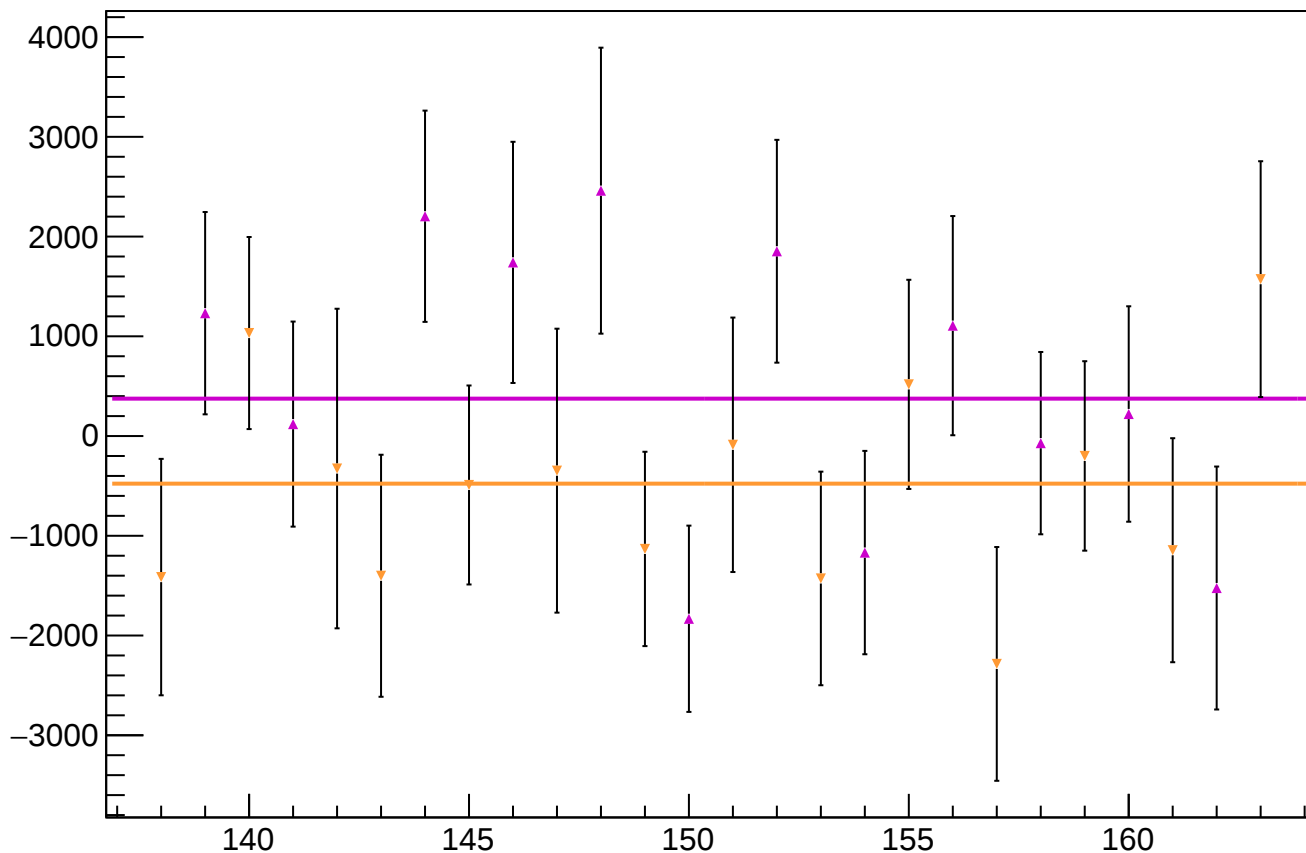
Right: 102.389 $\pm$ 0.020 χ^2 /NDF: 1889165.6/35

In: 125.840 $\pm$ 0.023 χ^2 /NDF:2146260.5/28

Out: 120.736 $\pm$ 0.021 χ^2 /NDF:2589610.6/32

All: 123.102 $\pm$ 0.015 χ^2 /NDF: 4762938.6/61

asym_sam5_correction_mean vs Slug, Sign Corrected



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

Left Out: -477.297+/-299.442 χ^2/NDF :11.7/13

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

Left In: 374.971+/-309.378 χ^2/NDF :19.9/11

Left: -65.068+/-215.165 χ^2/NDF : 35.6/25

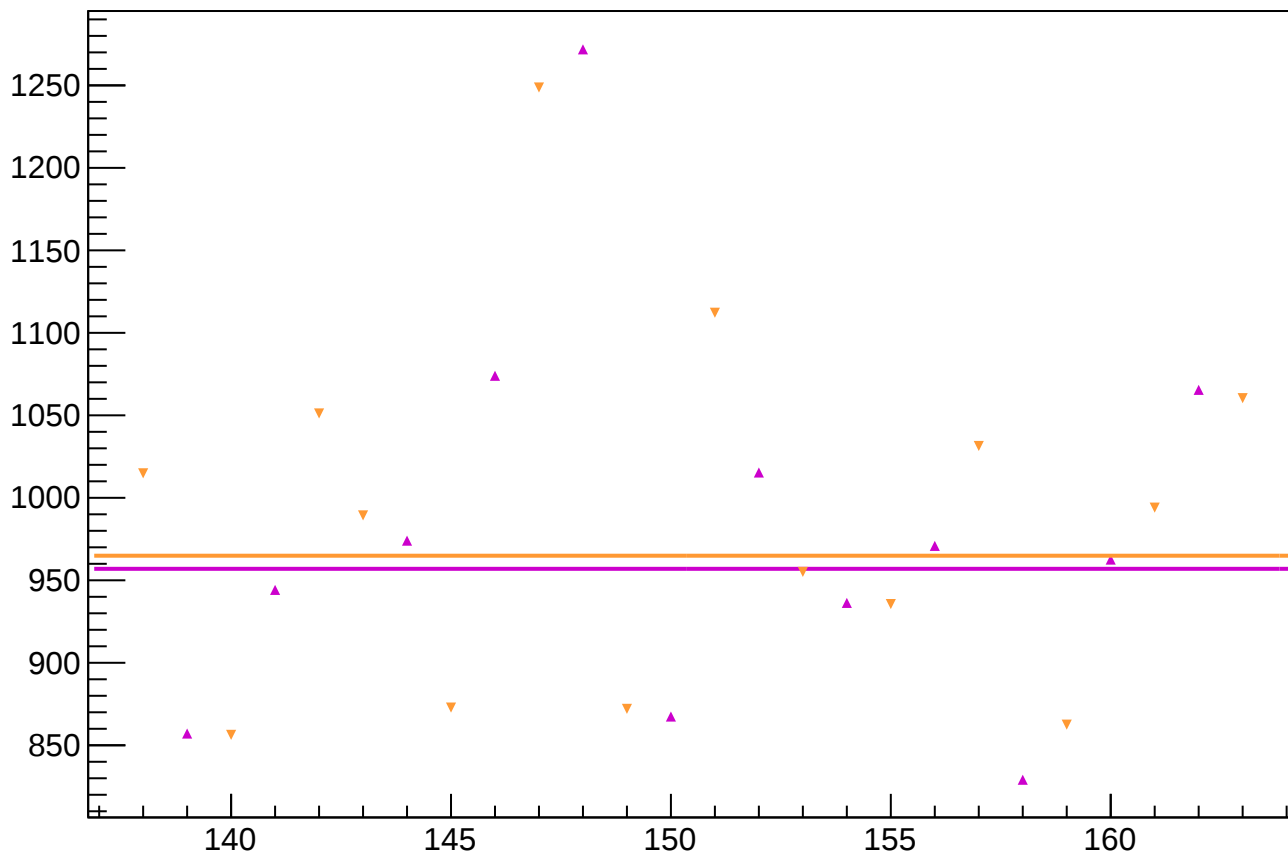
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 374.971+/-309.378 χ^2/NDF :19.9/11

Out: -477.297+/-299.442 χ^2/NDF :11.7/13

All: -65.068+/-215.165 χ^2/NDF : 35.6/25

asym_sam5_correction_rms vs Slug, Sign Corrected



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

Left Out: 964.909+/-0.212 χ^2/NDF :222763.6/13

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

Left In: 956.962+/-0.219 χ^2/NDF :215468.3/11

Left: 961.065+/-0.152 χ^2/NDF : 438913.3/25

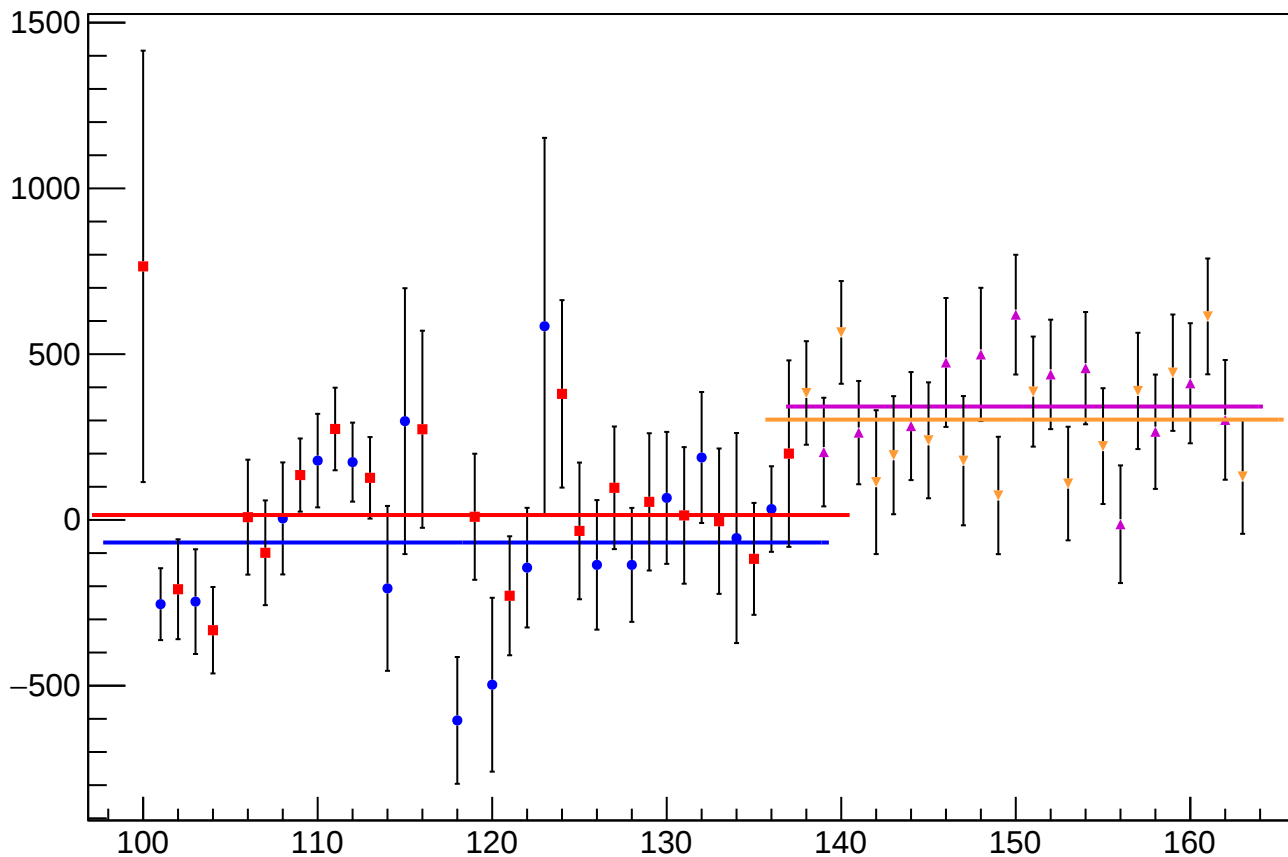
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 956.962+/-0.219 χ^2/NDF :215468.3/11

Out: 964.909+/-0.212 χ^2/NDF :222763.6/13

All: 961.065+/-0.152 χ^2/NDF : 438913.3/25

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -68.111 ± 42.265 $\chi^2/\text{NDF}: 27.8/16$

Left Out: 302.605 ± 46.592 $\chi^2/\text{NDF}: 13.3/13$

Right Out: 14.800 ± 39.467 $\chi^2/\text{NDF}: 23.1/18$

Left In: 342.027 ± 50.243 $\chi^2/\text{NDF}: 9.7/11$

Left: 320.832 ± 34.163 $\chi^2/\text{NDF}: 23.3/25$

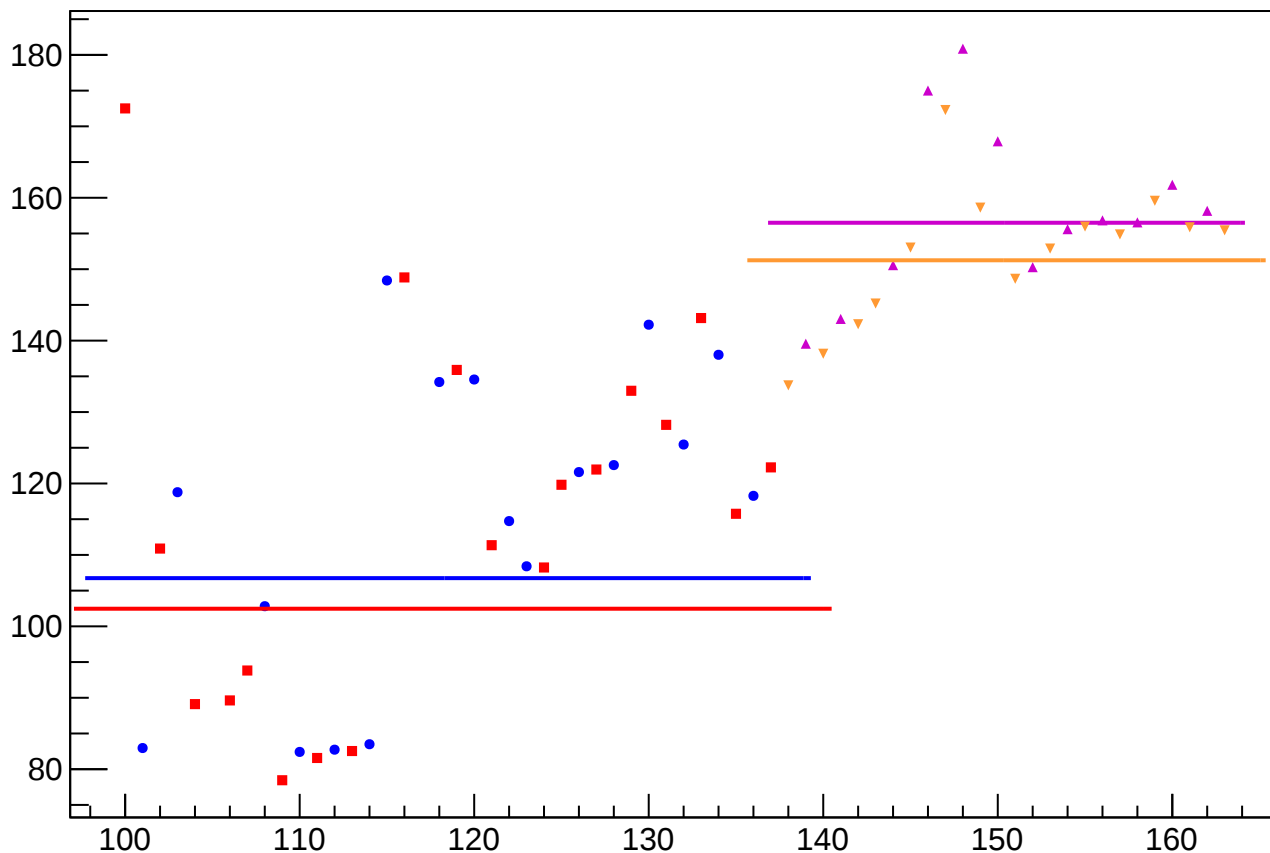
Right: -23.820 ± 28.846 $\chi^2/\text{NDF}: 53.0/35$

In: 101.848 ± 32.343 $\chi^2/\text{NDF}: 76.6/28$

Out: 135.036 ± 30.115 $\chi^2/\text{NDF}: 58.6/32$

All: 119.625 ± 22.040 $\chi^2/\text{NDF}: 135.8/61$

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 106.749 $\pm$ 0.030 χ^2 /NDF: 501742.8/16

Left Out: 151.247 $\pm$ 0.033 χ^2 /NDF: 82140.7/13

Right Out: 102.467 $\pm$ 0.028 χ^2 /NDF: 589344.0/18

Left In: 156.501 $\pm$ 0.036 χ^2 /NDF: 99244.2/11

Left: 153.676 $\pm$ 0.024 χ^2 /NDF: 193145.5/25

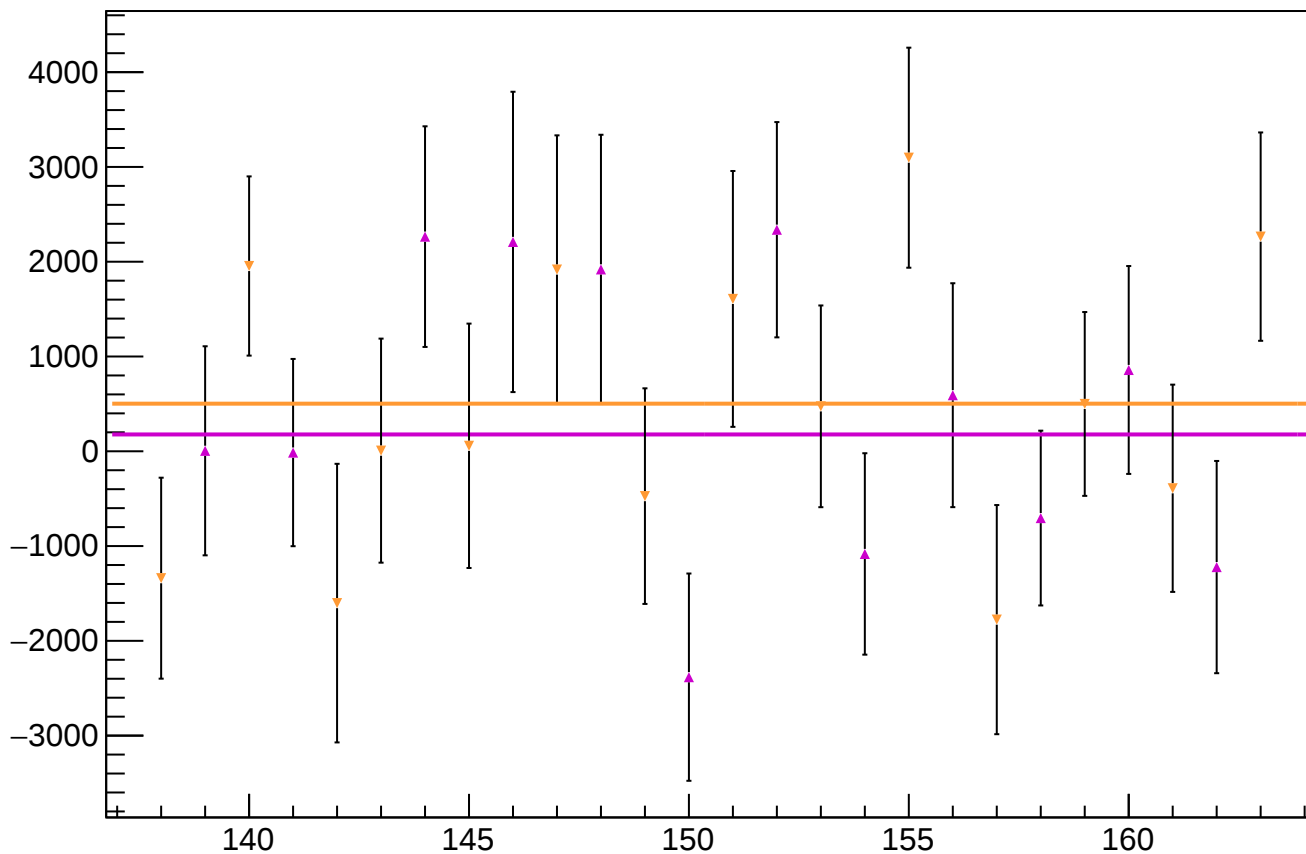
Right: 104.462 $\pm$ 0.020 χ^2 /NDF: 1102055.3/35

In: 127.366 $\pm$ 0.023 χ^2 /NDF: 1749388.5/28

Out: 122.846 $\pm$ 0.021 χ^2 /NDF: 1947892.9/32

All: 124.945 $\pm$ 0.016 χ^2 /NDF: 3718208.8/61

asym_sam6_correction_mean vs Slug, Sign Corrected



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

Left Out: 502.301+/-306.478 χ^2/NDF : 21.9/13

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

Left In: 177.549+/-324.471 χ^2/NDF : 19.9/11

Left: 349.178+/-222.802 χ^2/NDF : 42.4/25

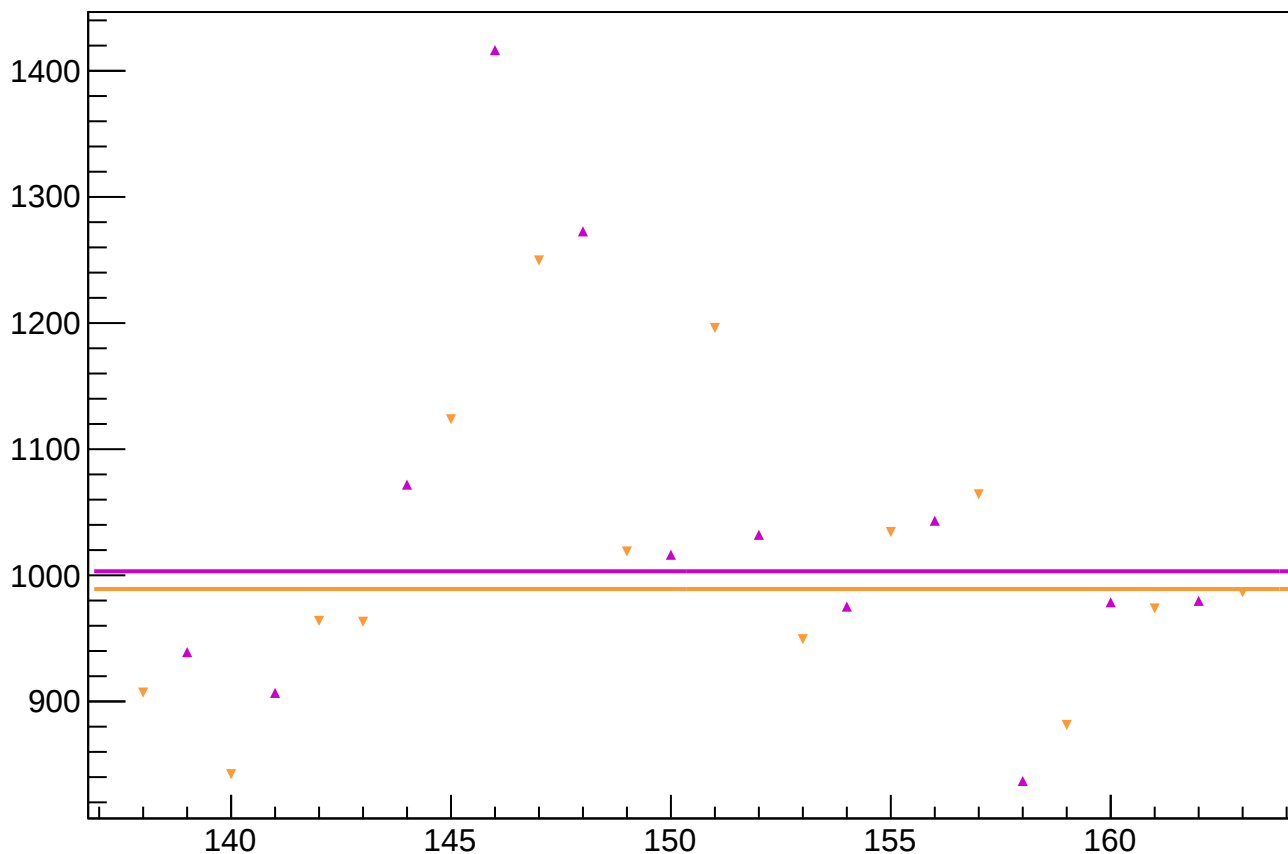
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 177.549+/-324.471 χ^2/NDF : 19.9/11

Out: 502.301+/-306.478 χ^2/NDF : 21.9/13

All: 349.178+/-222.802 χ^2/NDF : 42.4/25

asym_sam6_correction_rms vs Slug, Sign Corrected



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

Left Out: 989.152+/-0.217 χ^2/NDF :238319.8/13

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

Left In: 1003.212+/-0.229 χ^2/NDF :313014.6/11

Left: 995.782+/-0.158 χ^2/NDF : 553318.9/25

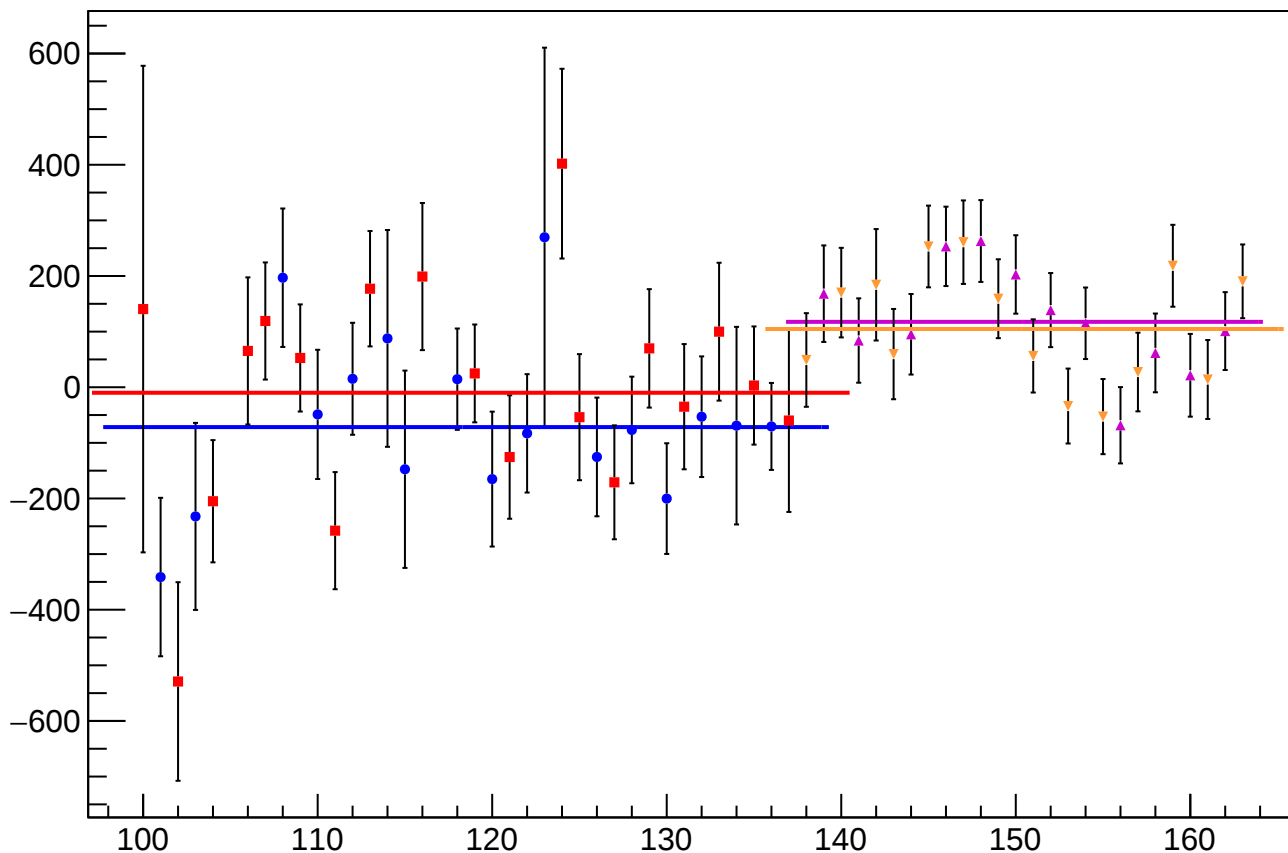
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1003.212+/-0.229 χ^2/NDF :313014.6/11

Out: 989.152+/-0.217 χ^2/NDF :238319.8/13

All: 995.782+/-0.158 χ^2/NDF : 553318.9/25

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -71.669 ± 28.358 $\chi^2/\text{NDF}: 15.2/16$

Left Out: 104.719 ± 19.652 $\chi^2/\text{NDF}: 28.1/13$

Right Out: -9.917 ± 26.816 $\chi^2/\text{NDF}: 36.5/18$

Left In: 117.558 ± 20.656 $\chi^2/\text{NDF}: 19.4/11$

Left: 110.819 ± 14.238 $\chi^2/\text{NDF}: 47.7/25$

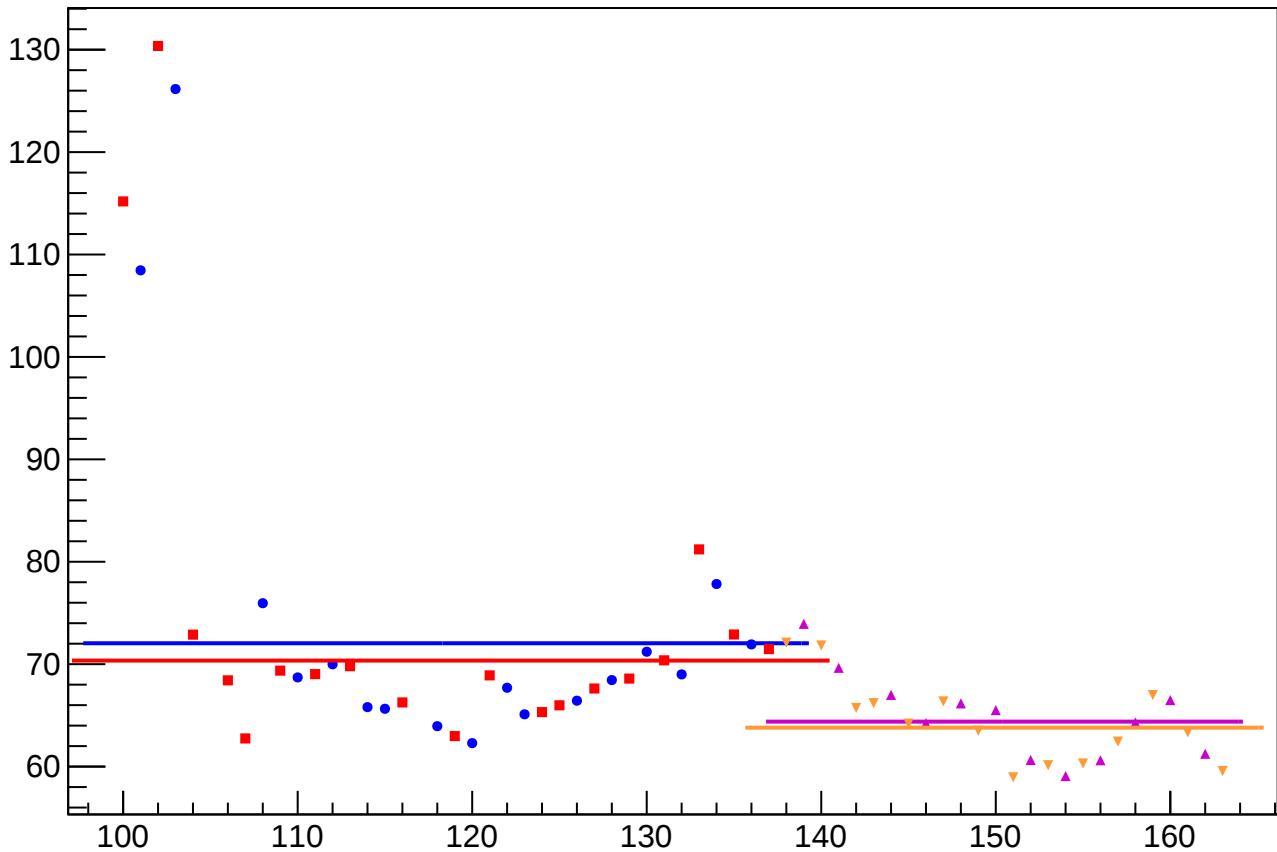
Right: -39.068 ± 19.484 $\chi^2/\text{NDF}: 54.2/35$

In: 51.965 ± 16.696 $\chi^2/\text{NDF}: 63.7/28$

Out: 64.664 ± 15.851 $\chi^2/\text{NDF}: 76.5/32$

All: 58.644 ± 11.496 $\chi^2/\text{NDF}: 140.5/61$

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 72.042 $\pm$ 0.020 χ^2 /NDF: 391971.7/16

Left Out: 63.801 $\pm$ 0.014 χ^2 /NDF: 79096.3/13

Right Out: 70.351 $\pm$ 0.019 χ^2 /NDF: 299005.5/18

Left In: 64.390 $\pm$ 0.015 χ^2 /NDF: 69746.7/11

Left: 64.081 $\pm$ 0.010 χ^2 /NDF: 149695.9/25

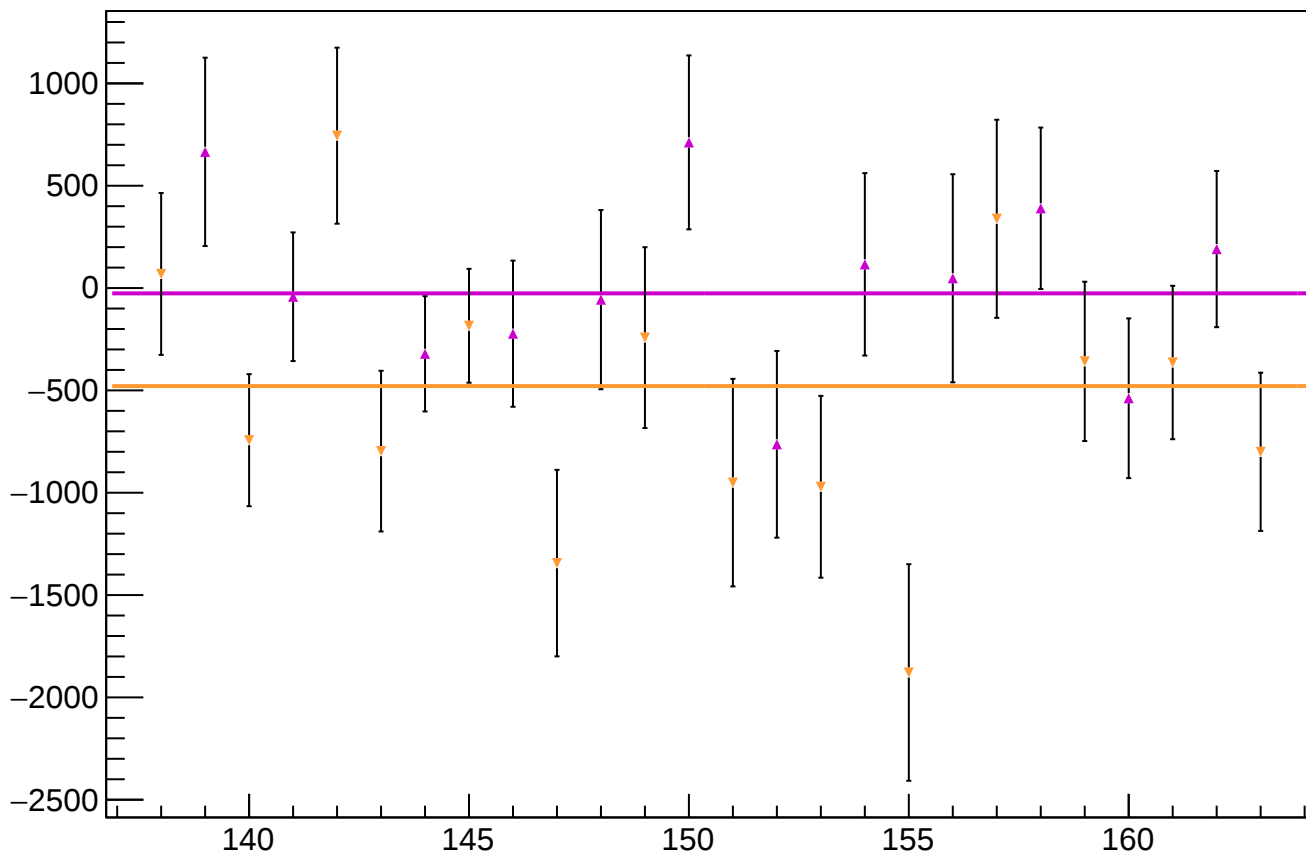
Right: 71.149 $\pm$ 0.014 χ^2 /NDF: 694733.5/35

In: 67.043 $\pm$ 0.012 χ^2 /NDF: 556868.4/28

Out: 66.090 $\pm$ 0.011 χ^2 /NDF: 455722.5/32

All: 66.542 $\pm$ 0.008 χ^2 /NDF: 1016016.7/61

asym_sam7_correction_mean vs Slug, Sign Corrected



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

Left Out: -478.900+/-106.617 χ^2/NDF :29.2/13

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

Left In: -25.844+/-112.068 χ^2/NDF :12.6/11

Left: -263.658+/-77.245 χ^2/NDF : 50.3/25

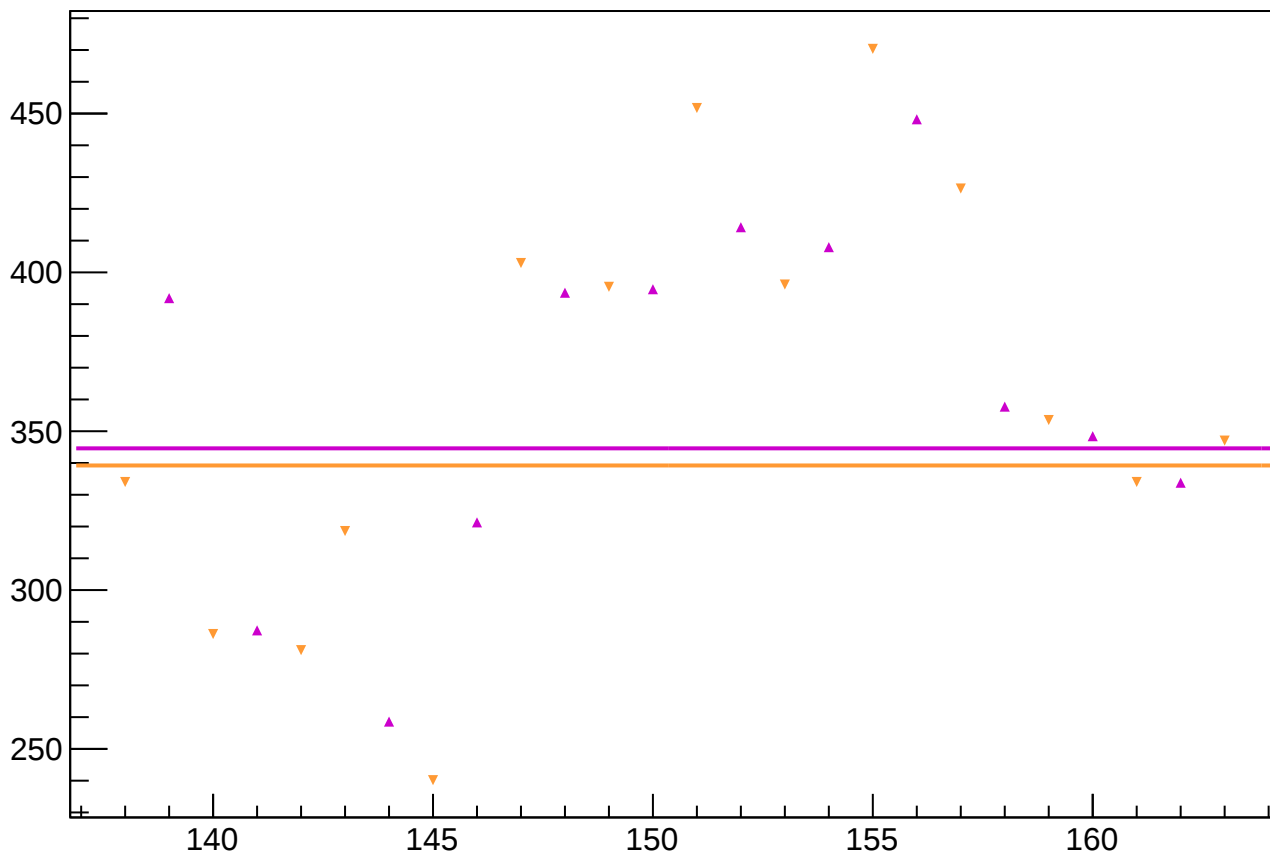
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -25.844+/-112.068 χ^2/NDF :12.6/11

Out: -478.900+/-106.617 χ^2/NDF :29.2/13

All: -263.658+/-77.245 χ^2/NDF : 50.3/25

asym_sam7_correction_rms vs Slug, Sign Corrected



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

Left Out: 339.221+/-0.075 χ^2/NDF : 744719.0/13

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

Left In: 344.609+/-0.079 χ^2/NDF : 509391.1/11

Left: 341.781+/-0.055 χ^2/NDF : 1256537.3/25

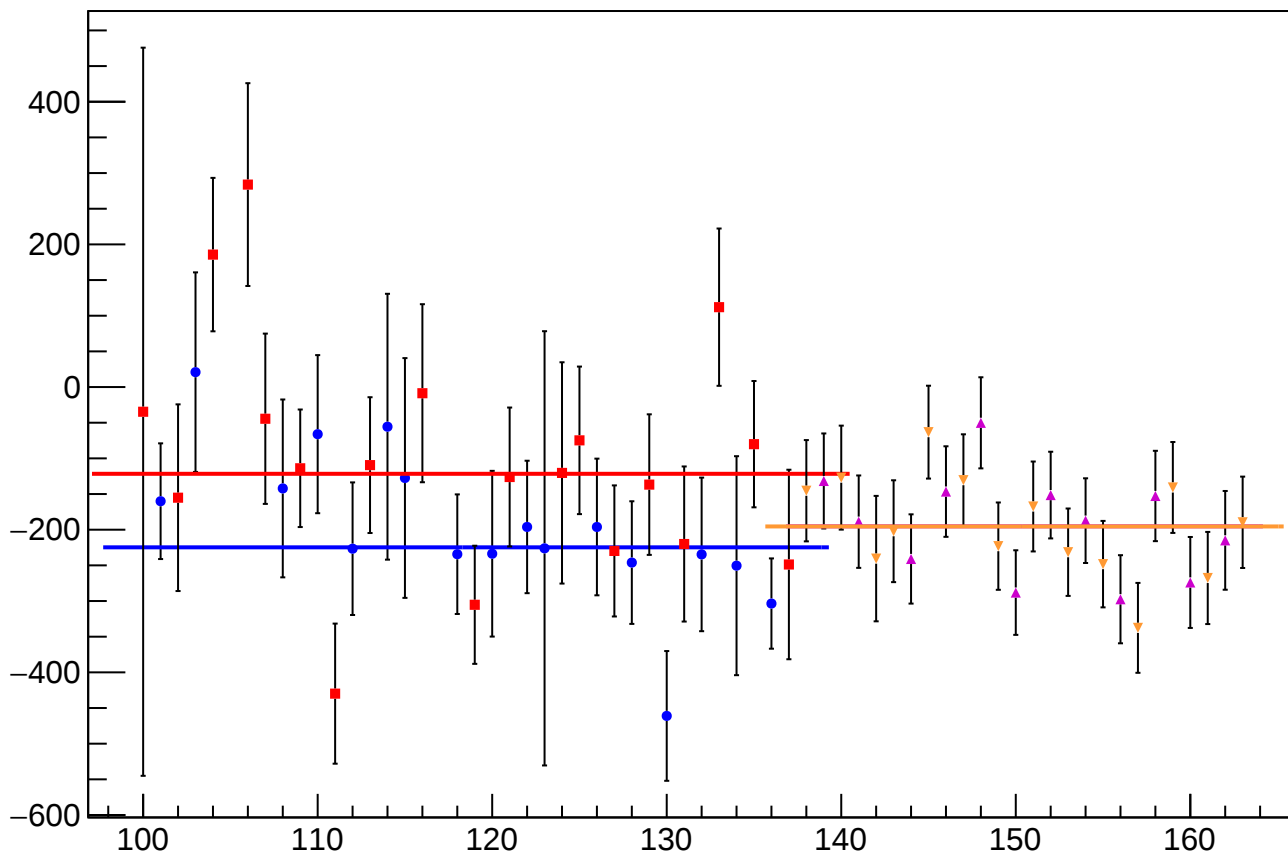
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 344.609+/-0.079 χ^2/NDF : 509391.1/11

Out: 339.221+/-0.075 χ^2/NDF : 744719.0/13

All: 341.781+/-0.055 χ^2/NDF : 1256537.3/25

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -224.727 $\pm$ 24.880 χ^2 /NDF: 16.0/16

Left Out: -195.442 $\pm$ 17.599 χ^2 /NDF:15.4/13

Right Out: -121.633 $\pm$ 24.599 χ^2 /NDF: 40.5/18

Left In: -195.286 $\pm$ 18.205 χ^2 /NDF:15.0/11

Left: -195.367 $\pm$ 12.653 χ^2 /NDF: 30.4/25

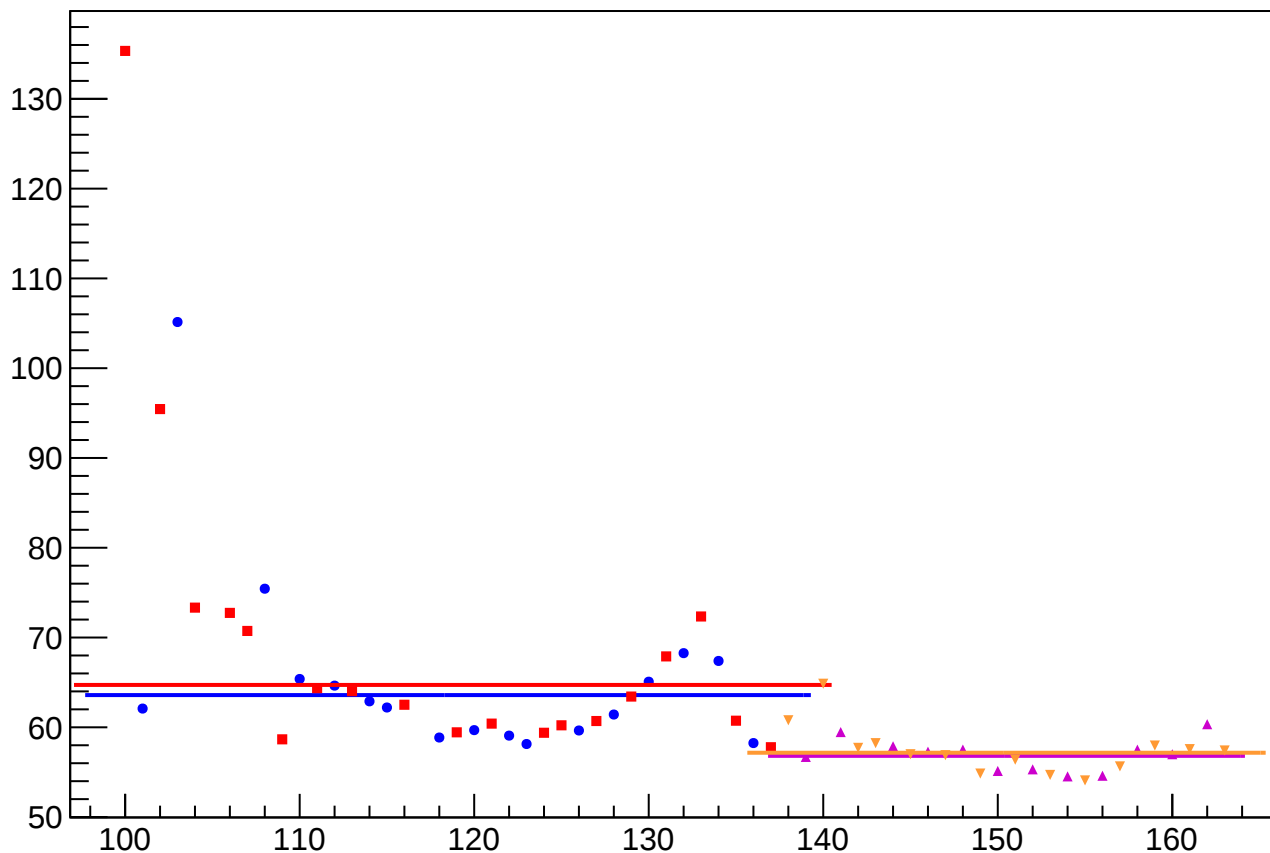
Right: -172.594 $\pm$ 17.493 χ^2 /NDF: 65.1/35

In: -205.552 $\pm$ 14.692 χ^2 /NDF:31.9/28

Out: -170.455 $\pm$ 14.313 χ^2 /NDF:61.8/32

All: -187.545 $\pm$ 10.252 χ^2 /NDF: 96.6/61

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 63.589 $\pm$ 0.018 χ^2 /NDF: 234601.0/16

Left Out: 57.168 $\pm$ 0.012 χ^2 /NDF: 41196.0/13

Right Out: 64.720 $\pm$ 0.017 χ^2 /NDF: 227506.4/18

Left In: 56.822 $\pm$ 0.013 χ^2 /NDF: 18092.7/11

Left: 57.001 $\pm$ 0.009 χ^2 /NDF: 59662.4/25

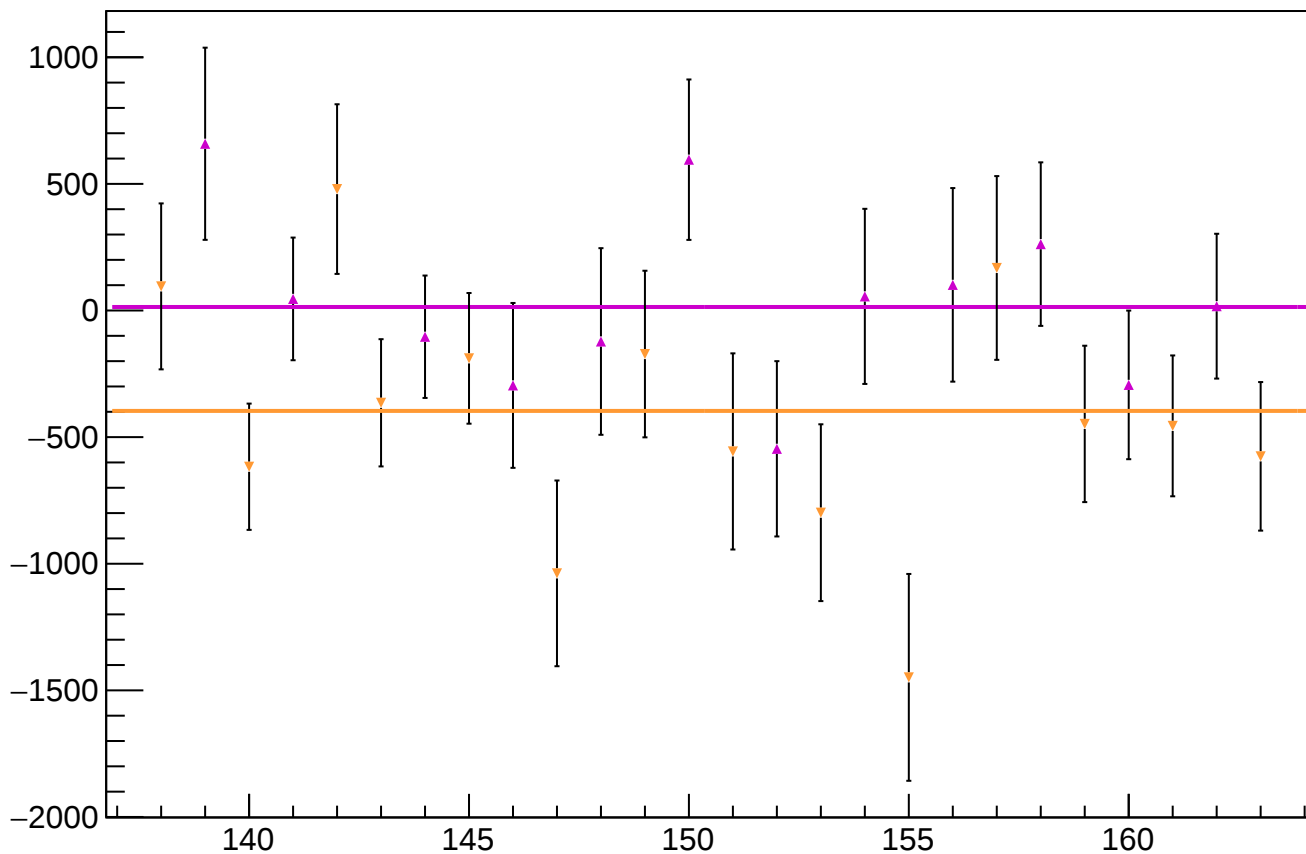
Right: 64.161 $\pm$ 0.012 χ^2 /NDF: 464197.3/35

In: 59.182 $\pm$ 0.010 χ^2 /NDF: 349060.9/28

Out: 59.725 $\pm$ 0.010 χ^2 /NDF: 393392.1/32

All: 59.460 $\pm$ 0.007 χ^2 /NDF: 743855.5/61

asym_sam8_correction_mean vs Slug, Sign Corrected



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

Left Out: -396.501+/-82.942 χ^2/NDF :25.1/13

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

Left In: 13.915+/-89.487 χ^2/NDF :11.9/11

Left: -206.850+/-60.831 χ^2/NDF : 48.3/25

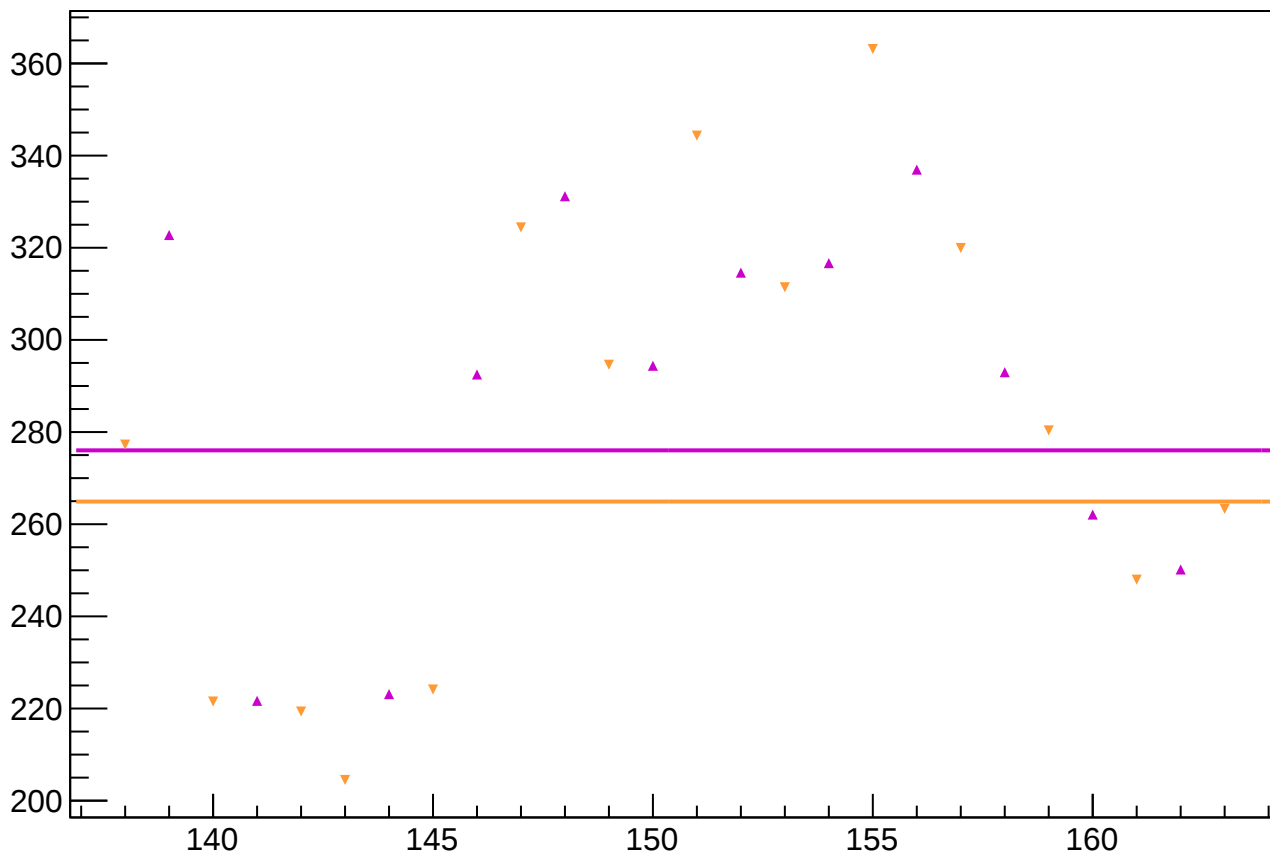
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 13.915+/-89.487 χ^2/NDF :11.9/11

Out: -396.501+/-82.942 χ^2/NDF :25.1/13

All: -206.850+/-60.831 χ^2/NDF : 48.3/25

asym_sam8_correction_rms vs Slug, Sign Corrected



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

Left Out: 264.914+/-0.059 χ^2/NDF :628896.9/13

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

Left In: 276.030+/-0.063 χ^2/NDF :413226.9/11

Left: 270.051+/-0.043 χ^2/NDF : 1058724.5/25

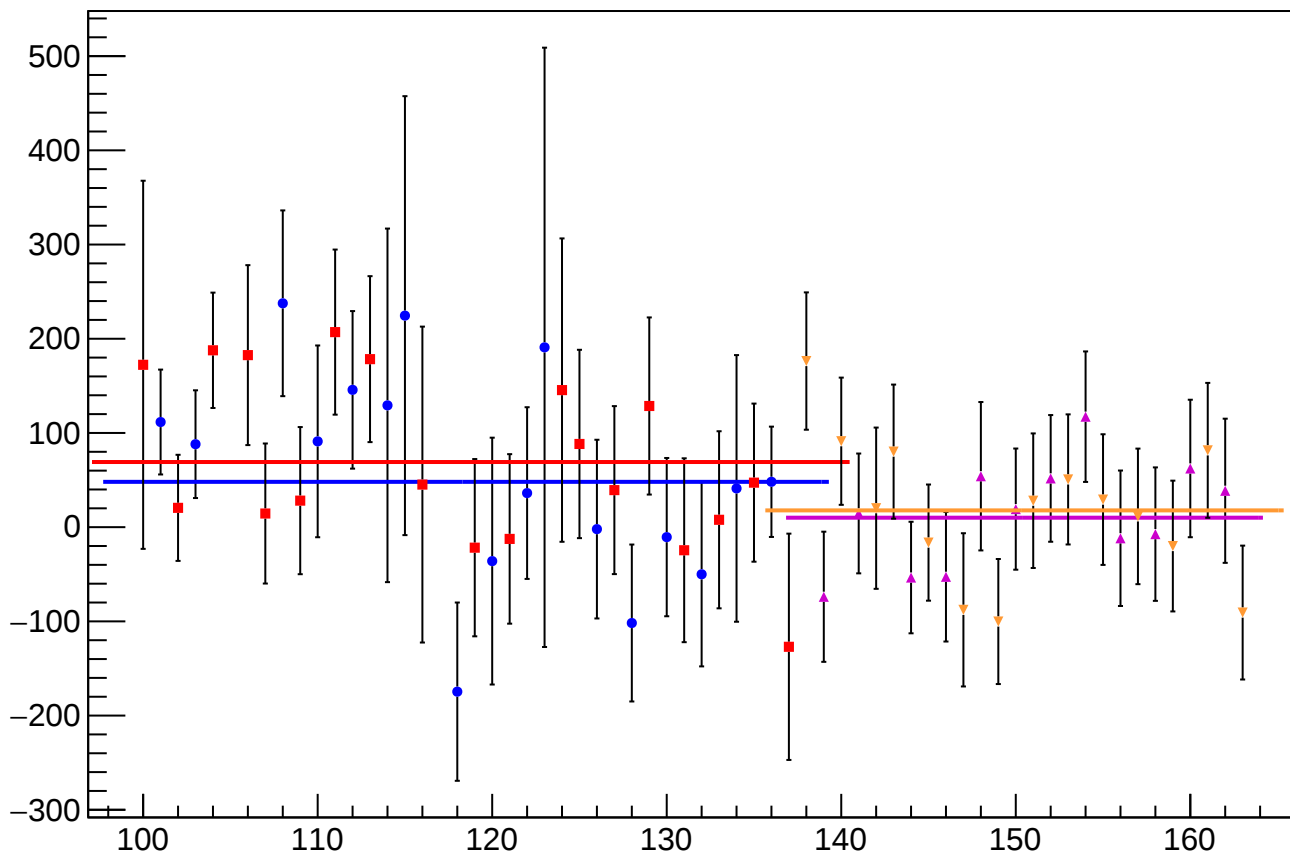
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 276.030+/-0.063 χ^2/NDF :413226.9/11

Out: 264.914+/-0.059 χ^2/NDF :628896.9/13

All: 270.051+/-0.043 χ^2/NDF : 1058724.5/25

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 48.109+/-21.510 χ^2/NDF : 19.0/16

Left Out: 17.809+/-18.931 χ^2/NDF :15.5/13

Right Out: 69.156+/-20.407 χ^2/NDF : 17.7/18

Left In: 10.046+/-19.850 χ^2/NDF :7.4/11

Left: 14.111+/-13.699 χ^2/NDF : 23.0/25

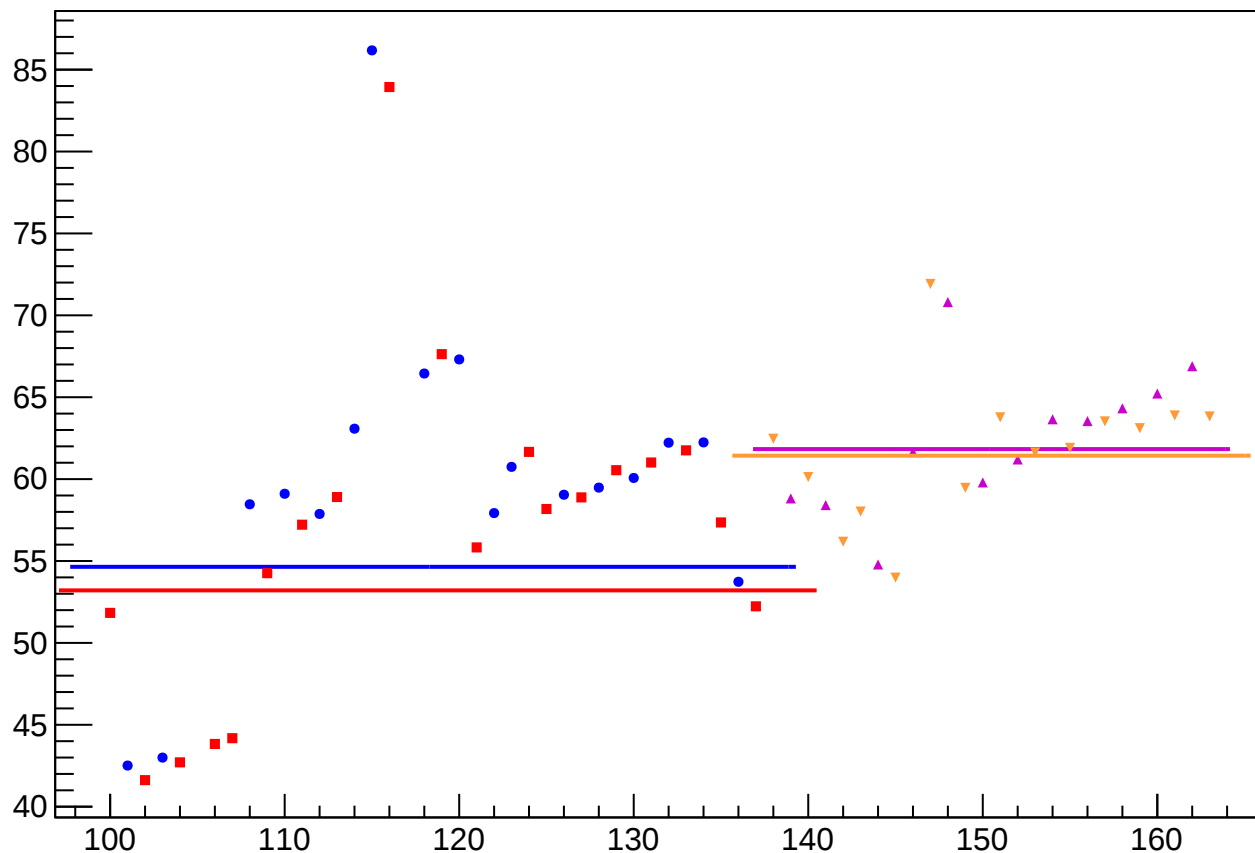
Right: 59.186+/-14.805 χ^2/NDF : 37.1/35

In: 27.552+/-14.588 χ^2/NDF :28.0/28

Out: 41.558+/-13.879 χ^2/NDF :36.6/32

All: 34.904+/-10.055 χ^2/NDF : 65.1/61

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 54.645 $\pm$ 0.015 χ^2 /NDF: 319300.2/16

Left Out: 61.432 $\pm$ 0.013 χ^2 /NDF: 87188.4/13

Right Out: 53.207 $\pm$ 0.014 χ^2 /NDF: 386295.2/18

Left In: 61.833 $\pm$ 0.014 χ^2 /NDF: 84146.7/11

Left: 61.623 $\pm$ 0.010 χ^2 /NDF: 171761.4/25

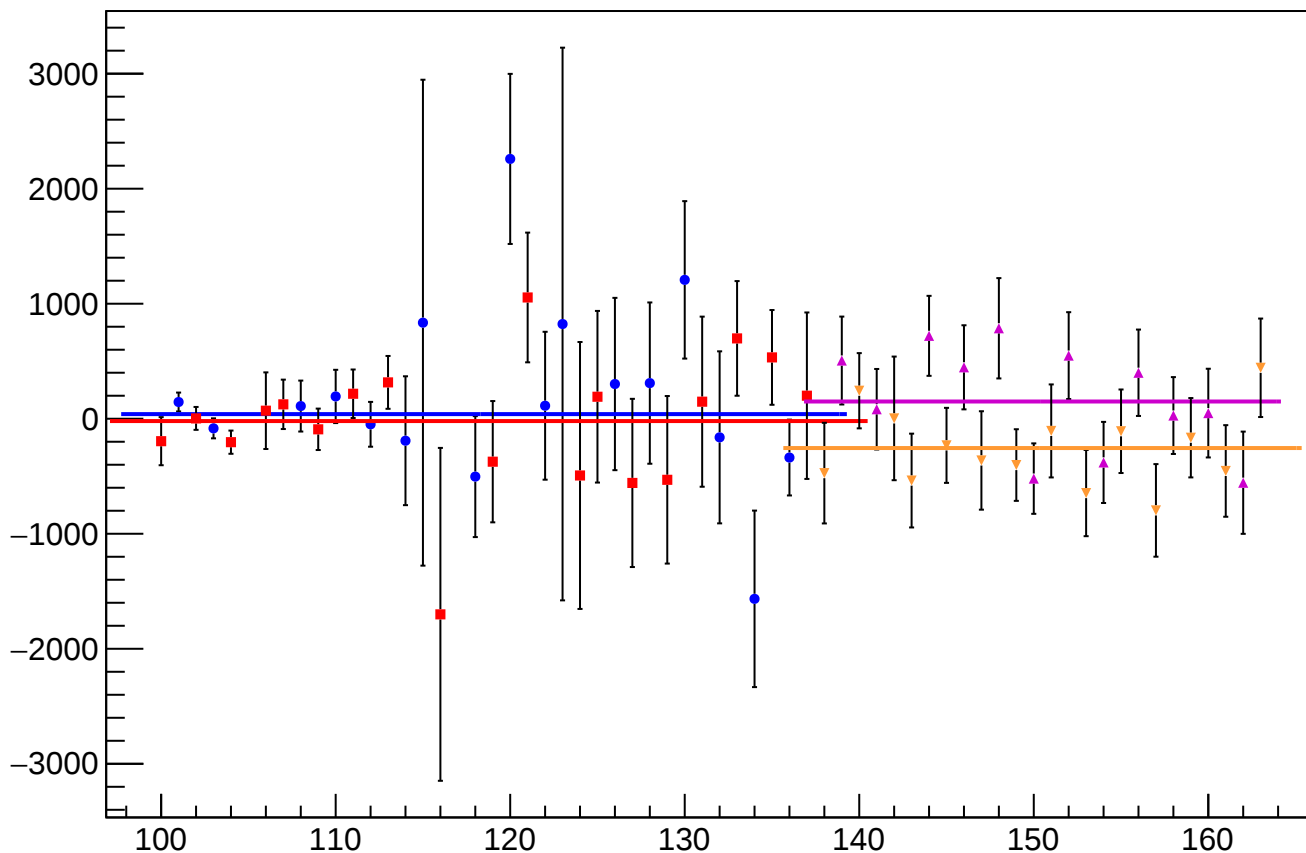
Right: 53.888 $\pm$ 0.010 χ^2 /NDF: 710299.5/35

In: 58.527 $\pm$ 0.010 χ^2 /NDF: 524065.7/28

Out: 57.628 $\pm$ 0.010 χ^2 /NDF: 648130.2/32

All: 58.055 $\pm$ 0.007 χ^2 /NDF: 1176182.9/61

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



Right In: 40.207 $\pm$ 51.542 χ^2 /NDF: 23.9/16

Left Out: -254.788 $\pm$ 101.850 χ^2 /NDF:9.8/13

Right Out: -20.232 $\pm$ 53.274 χ^2 /NDF: 18.9/18

Left In: 149.835 $\pm$ 105.657 χ^2 /NDF:17.7/11

Left: -59.898 $\pm$ 73.328 χ^2 /NDF: 35.1/25

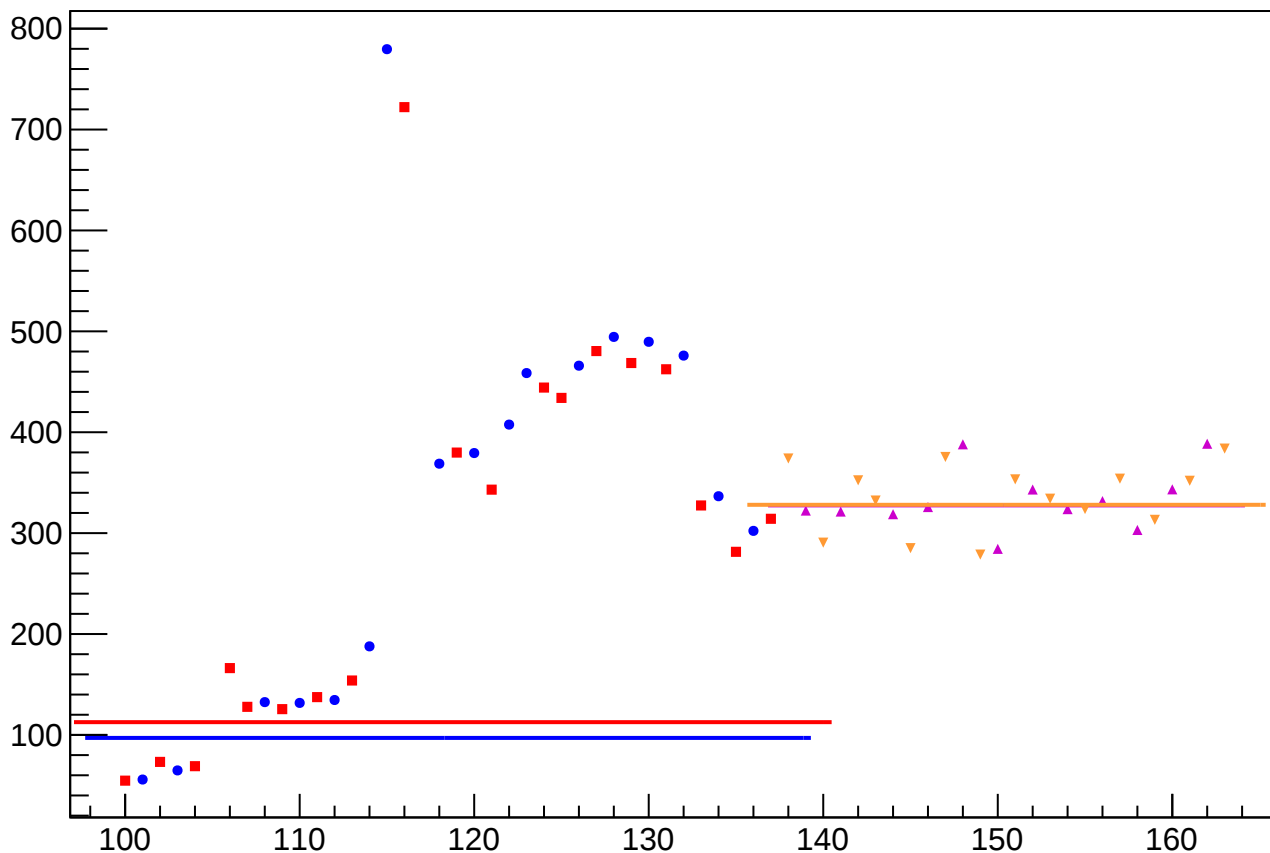
Right: 10.986 $\pm$ 37.043 χ^2 /NDF: 43.4/35

In: 61.281 $\pm$ 46.324 χ^2 /NDF:42.5/28

Out: -70.620 $\pm$ 47.206 χ^2 /NDF:32.8/32

All: -3.426 $\pm$ 33.064 χ^2 /NDF: 79.3/61

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



Right In: 97.039+/-0.036 χ^2/NDF : 5819709.2/16

Left Out: 328.075+/-0.072 χ^2/NDF : 223715.4/13

Right Out: 112.653+/-0.038 χ^2/NDF : 5036306.5/18

Left In: 327.484+/-0.075 χ^2/NDF : 136157.9/11

Left: 327.790+/-0.052 χ^2/NDF : 359905.7/25

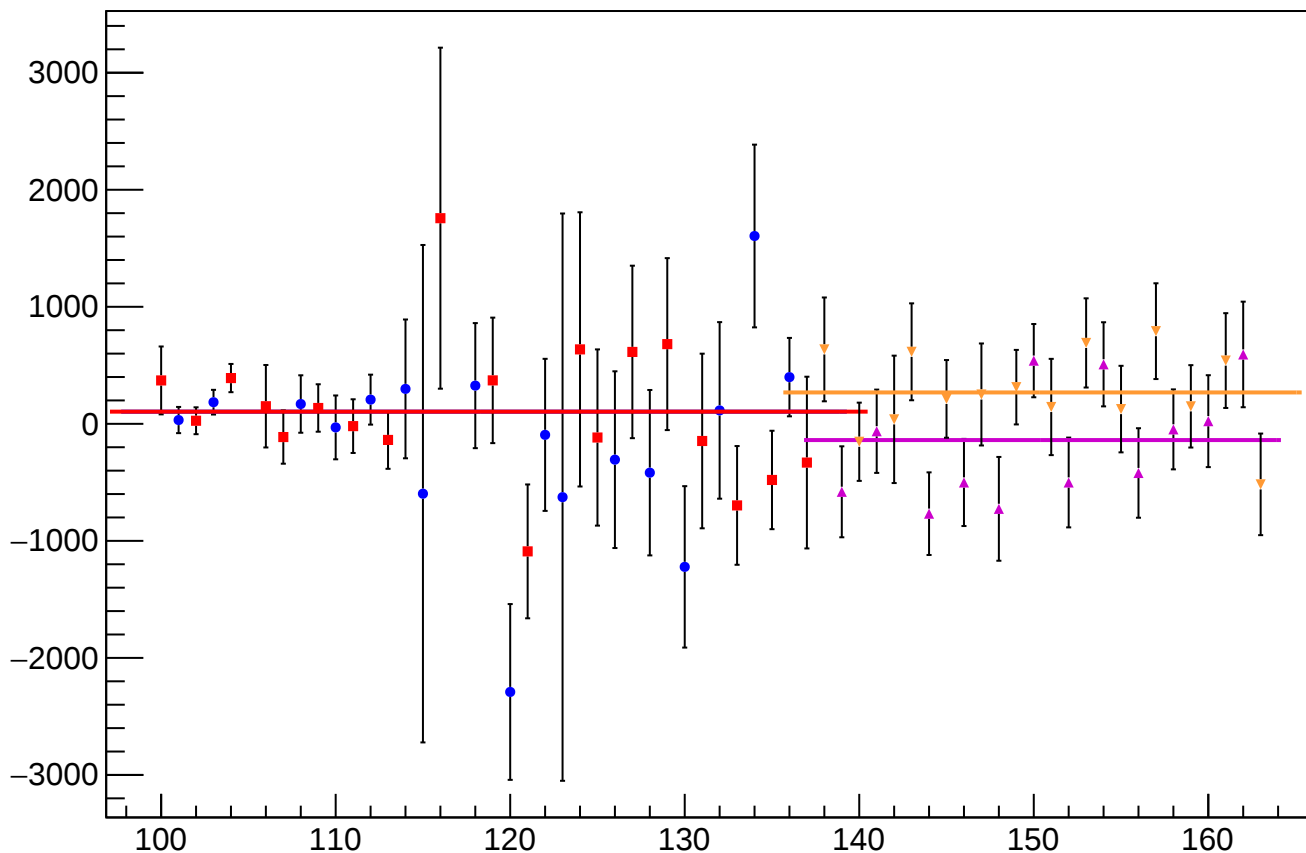
Right: 104.588+/-0.026 χ^2/NDF : 10944761.2/35

In: 141.337+/-0.033 χ^2/NDF : 13641068.1/28

Out: 158.931+/-0.033 χ^2/NDF : 12285141.4/32

All: 149.968+/-0.023 χ^2/NDF : 26067734.7/63

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 104.001 $\pm$ 63.156 χ^2 /NDF: 21.3/16

Left Out: 268.203 $\pm$ 103.684 χ^2 /NDF:10.2/13

Right Out: 104.140 $\pm$ 60.857 χ^2 /NDF: 21.3/18

Left In: -138.713 $\pm$ 107.587 χ^2 /NDF:19.5/11

Left: 72.261 $\pm$ 74.657 χ^2 /NDF: 37.0/25

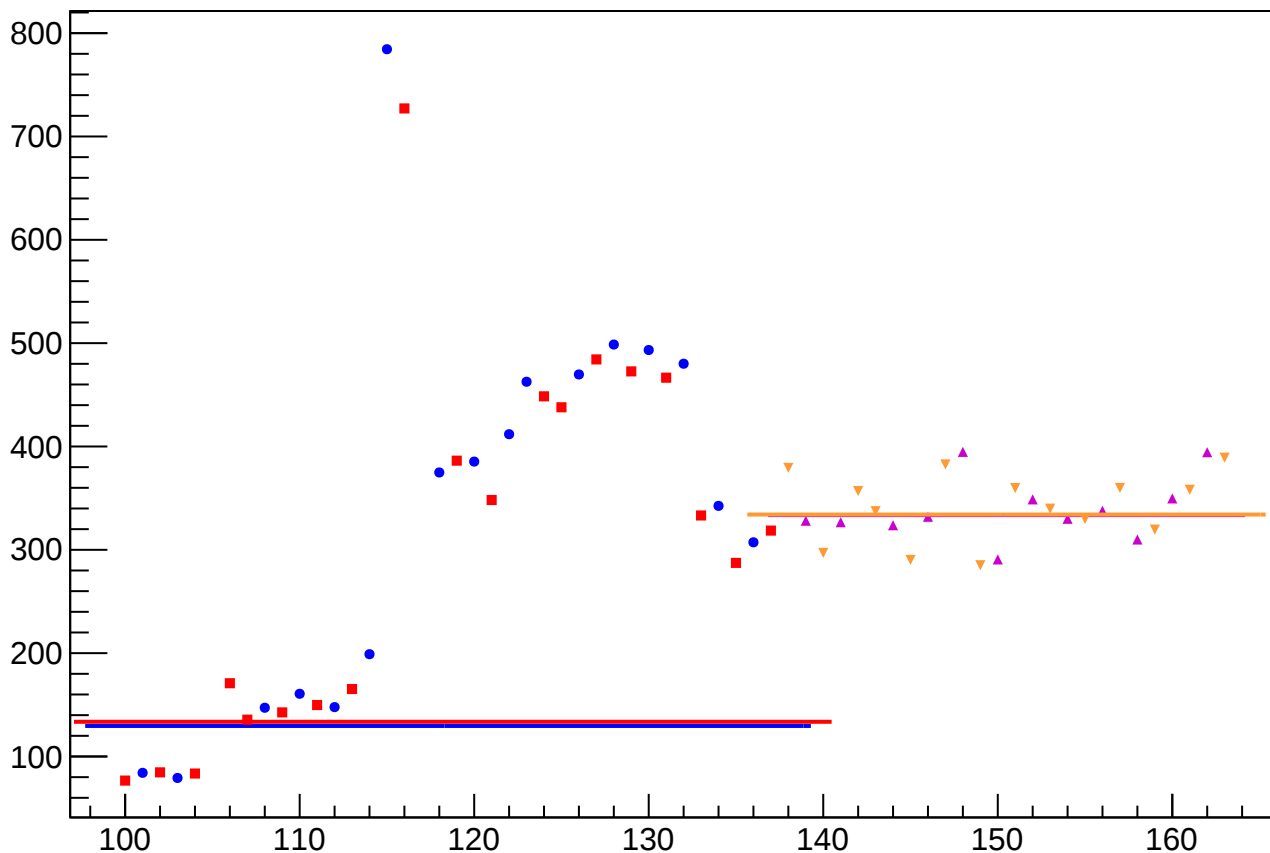
Right: 104.073 $\pm$ 43.823 χ^2 /NDF: 42.6/35

In: 41.798 $\pm$ 54.465 χ^2 /NDF:44.5/28

Out: 146.178 $\pm$ 52.484 χ^2 /NDF:33.4/32

All: 95.921 $\pm$ 37.793 χ^2 /NDF: 79.8/61

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 129.552 $\pm$ 0.045 χ^2 /NDF: 4772450.4/16

Left Out: 334.135 $\pm$ 0.073 χ^2 /NDF:215197.7/13

Right Out: 133.593 $\pm$ 0.043 χ^2 /NDF: 4366252.1/18

Left In: 333.585 $\pm$ 0.076 χ^2 /NDF:131271.6/11

Left: 333.870 $\pm$ 0.053 χ^2 /NDF: 346496.4/25

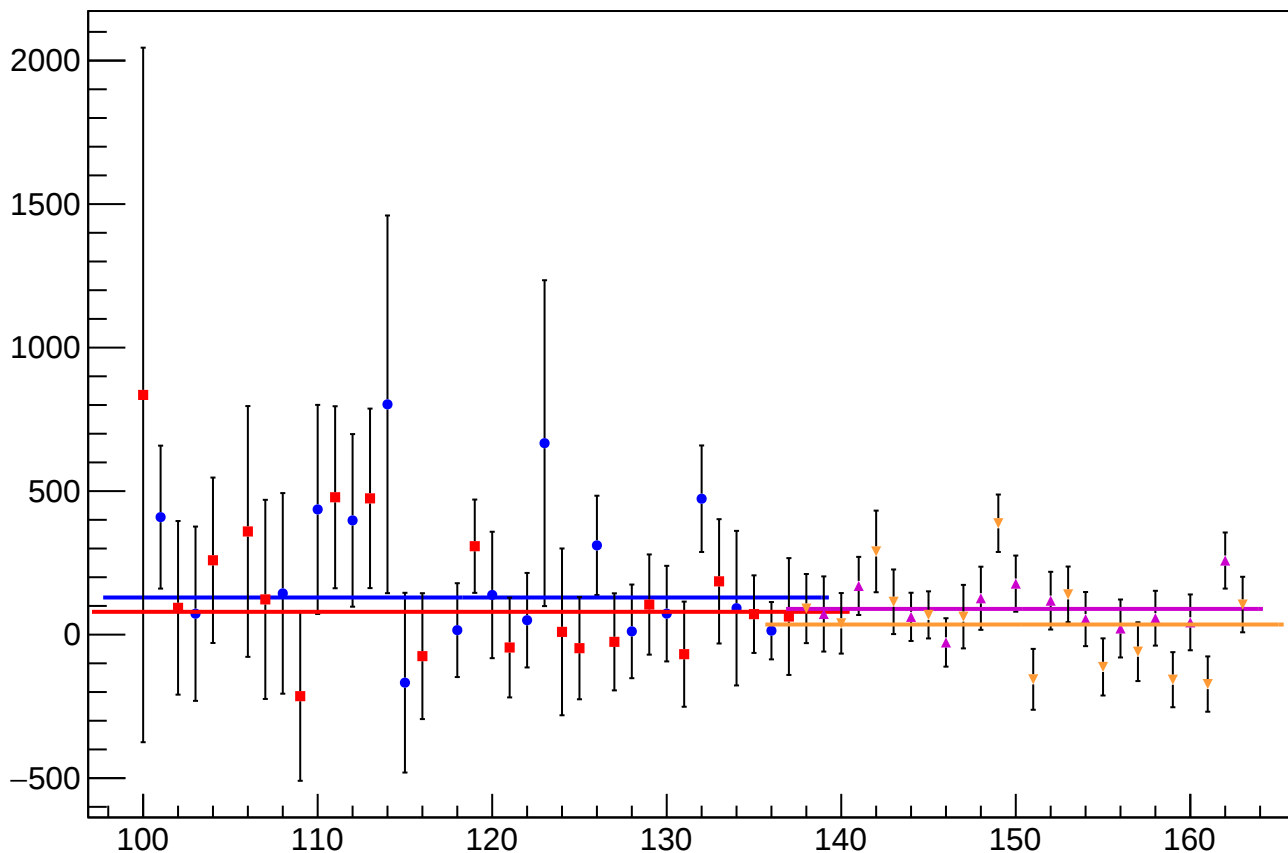
Right: 131.647 $\pm$ 0.031 χ^2 /NDF: 9142947.8/35

In: 181.842 $\pm$ 0.039 χ^2 /NDF:10253279.8/28

Out: 184.978 $\pm$ 0.037 χ^2 /NDF:10146357.8/32

All: 183.468 $\pm$ 0.027 χ^2 /NDF: 20403076.4/63

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: 35.254 $\pm$ 27.396 χ^2 /NDF:33.2/13

Right Out: 79.483 $\pm$ 49.886 χ^2 /NDF: 10.2/18

Left In: 89.613 $\pm$ 28.228 χ^2 /NDF:7.6/11

Left: 61.620 $\pm$ 19.659 χ^2 /NDF: 42.7/25

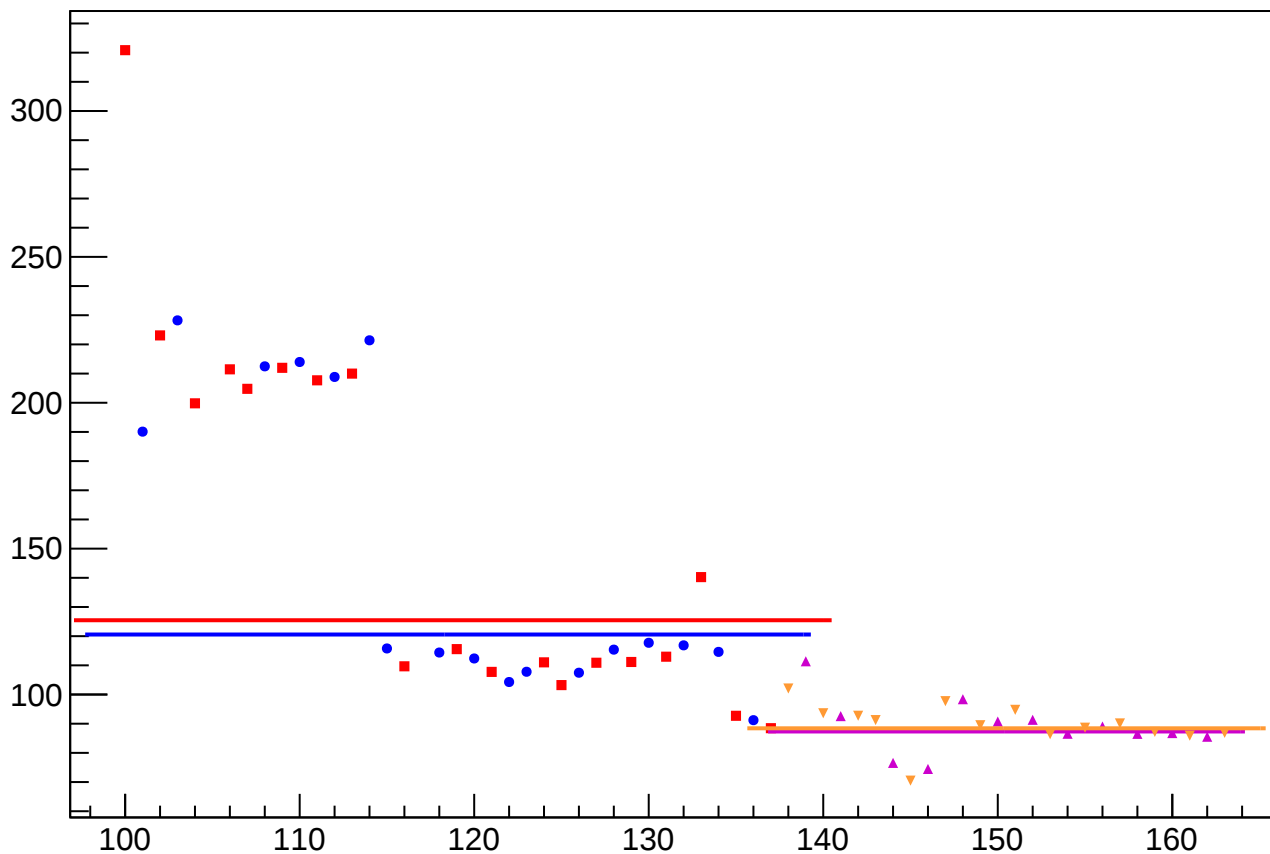
Right: 104.826 $\pm$ 35.001 χ^2 /NDF: 23.7/35

In: 99.490 $\pm$ 24.475 χ^2 /NDF:21.0/28

Out: 45.502 $\pm$ 24.013 χ^2 /NDF:44.1/32

All: 71.982 $\pm$ 17.141 χ^2 /NDF: 67.5/61

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 120.565 $\pm$ 0.035 χ^2 /NDF: 1112076.4/16

Left Out: 88.420 $\pm$ 0.019 χ^2 /NDF:154164.5/13

Right Out: 125.458 $\pm$ 0.035 χ^2 /NDF: 1333754.6/18

Left In: 87.332 $\pm$ 0.020 χ^2 /NDF:179553.3/11

Left: 87.893 $\pm$ 0.014 χ^2 /NDF: 335247.1/25

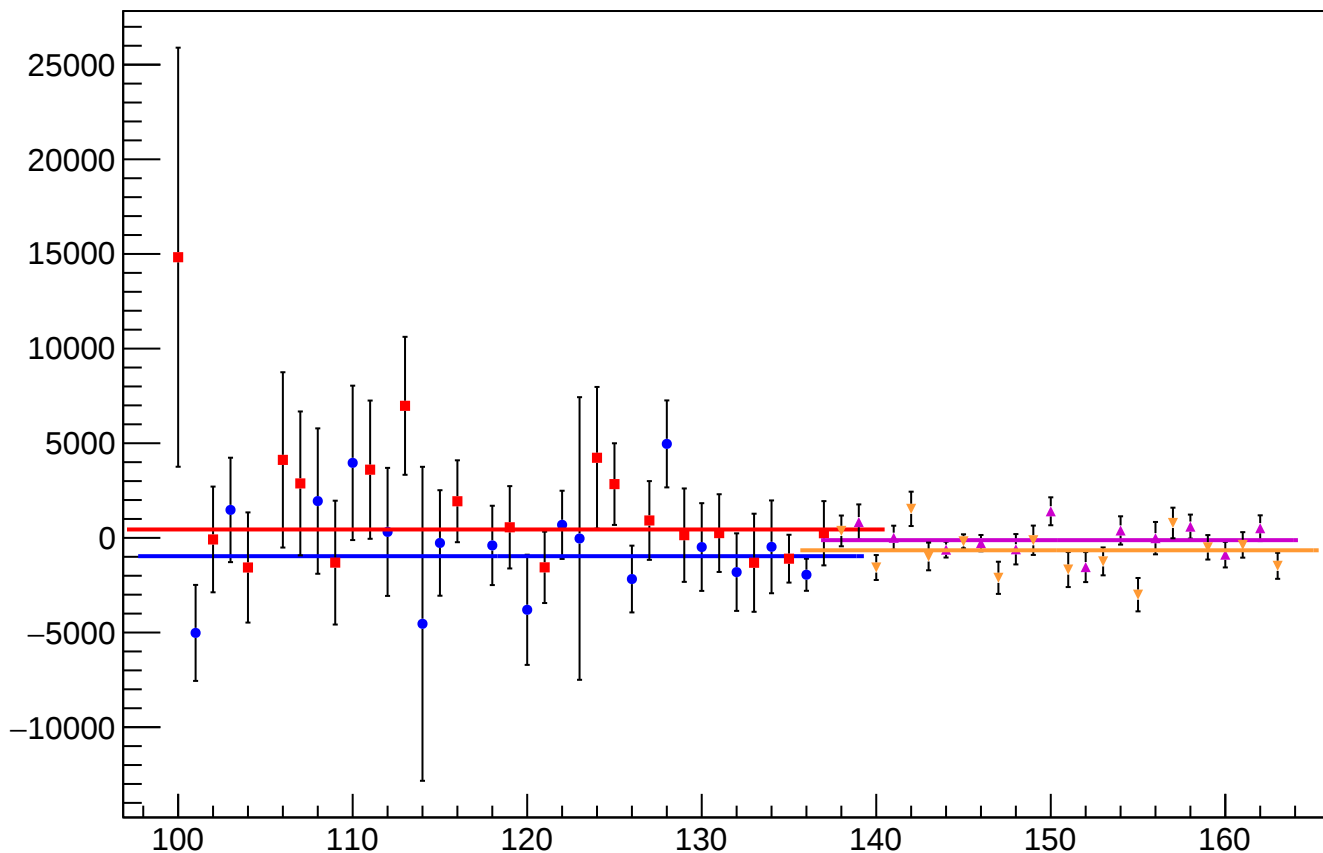
Right: 122.974 $\pm$ 0.025 χ^2 /NDF: 2455600.4/35

In: 95.583 $\pm$ 0.017 χ^2 /NDF:1979788.2/28

Out: 97.002 $\pm$ 0.017 χ^2 /NDF:2334956.8/32

All: 96.306 $\pm$ 0.012 χ^2 /NDF: 4318174.2/61

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



Right In: -966.587+/-512.340 χ^2/NDF : 16.4/16

Left Out: -655.198+/-183.331 χ^2/NDF : 28.3/13

Right Out: 444.406+/-545.370 χ^2/NDF : 13.4/18

Left In: -119.968+/-183.440 χ^2/NDF : 14.4/11

Left: -387.742+/-129.673 χ^2/NDF : 47.0/25

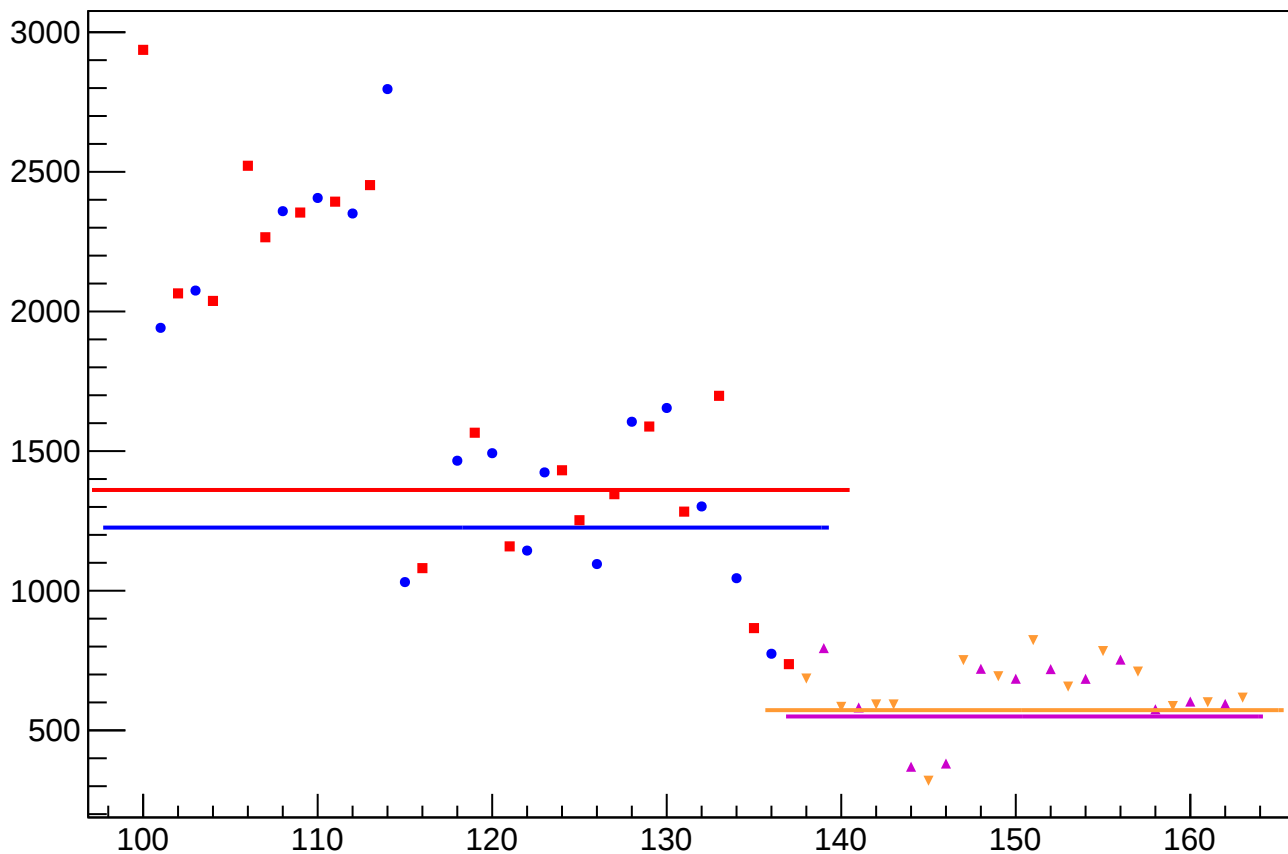
Right: -305.110+/-373.410 χ^2/NDF : 33.3/35

In: -216.168+/-172.704 χ^2/NDF : 33.2/28

Out: -543.556+/-173.775 χ^2/NDF : 45.3/32

All: -378.850+/-122.497 χ^2/NDF : 80.3/61

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



Right In: 1226.135+/-0.362 χ^2/NDF : 1756323.1/16

Left Out: 572.315+/-0.130 χ^2/NDF : 1467351.3/13

Right Out: 1360.770+/-0.386 χ^2/NDF : 1749074.9/18

Left In: 549.687+/-0.130 χ^2/NDF : 1273682.4/11

Left: 561.008+/-0.092 χ^2/NDF : 2756258.6/25

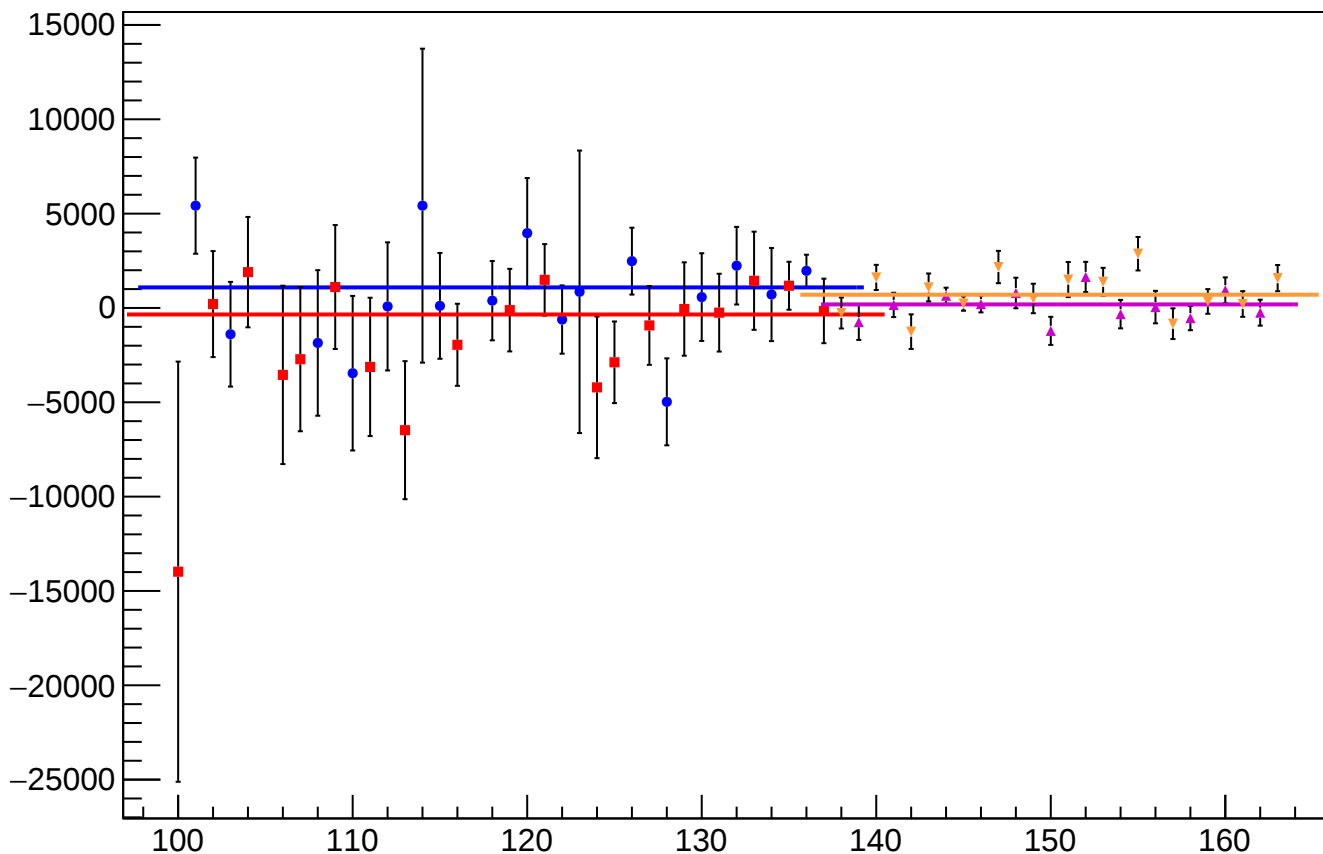
Right: 1289.252+/-0.264 χ^2/NDF : 3570145.2/35

In: 626.551+/-0.122 χ^2/NDF : 6120280.3/28

Out: 652.367+/-0.123 χ^2/NDF : 6972243.6/32

All: 639.379+/-0.087 χ^2/NDF : 13114729.3/63

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1089.066+/-515.272 χ^2/NDF : 16.9/16

Left Out: 701.428+/-185.879 χ^2/NDF : 26.2/13

Right Out: -345.640+/-548.191 χ^2/NDF : 12.5/18

Left In: 188.090+/-186.106 χ^2/NDF : 13.0/11

Left: 445.073+/-131.517 χ^2/NDF : 42.9/25

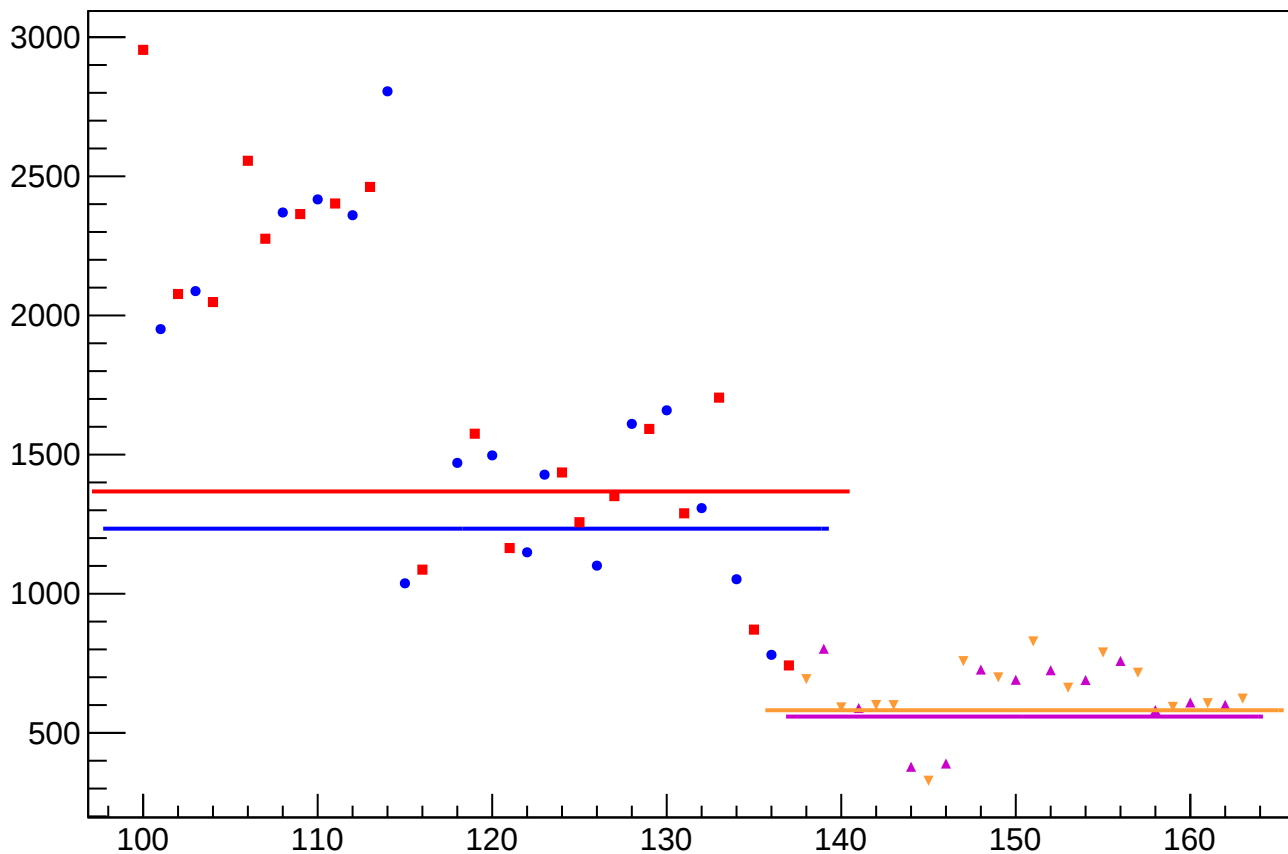
Right: 416.082+/-375.451 χ^2/NDF : 33.1/35

In: 292.061+/-175.039 χ^2/NDF : 32.6/28

Out: 593.457+/-176.034 χ^2/NDF : 41.9/32

All: 441.905+/-124.122 χ^2/NDF : 76.0/61

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1233.863+/-0.364 χ^2/NDF : 1744048.5/16

Left Out: 581.394+/-0.131 χ^2/NDF : 1394215.4/13

Right Out: 1367.609+/-0.388 χ^2/NDF : 1744594.4/18

Left In: 558.643+/-0.132 χ^2/NDF : 1216299.5/11

Left: 570.032+/-0.093 χ^2/NDF : 2625477.6/25

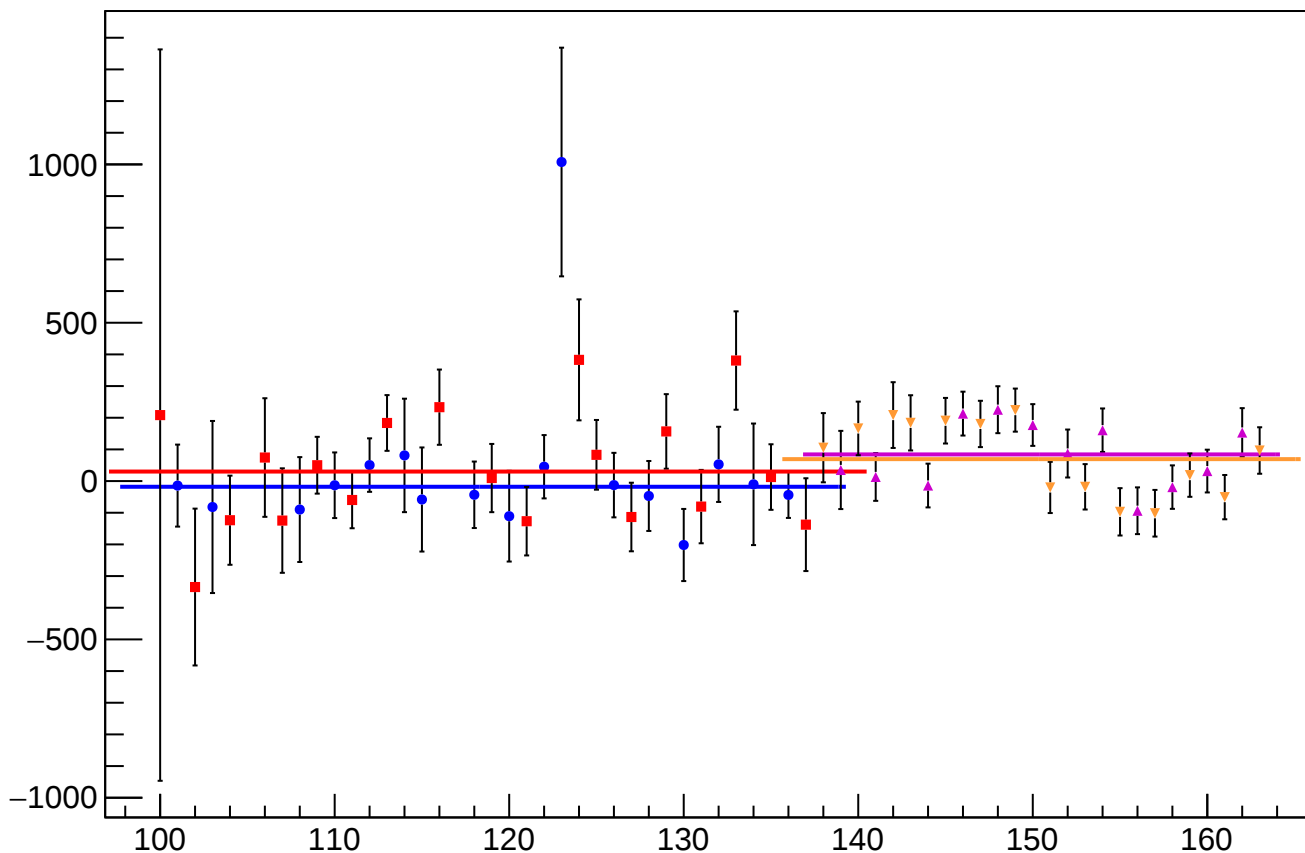
Right: 1296.600+/-0.265 χ^2/NDF : 3551849.9/35

In: 636.562+/-0.124 χ^2/NDF : 5998400.0/28

Out: 662.466+/-0.124 χ^2/NDF : 6828455.1/32

All: 649.440+/-0.088 χ^2/NDF : 12848632.4/63

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -17.972 ± 28.848 χ^2/NDF : 13.4/16

Left Out: 69.269 ± 20.596 χ^2/NDF : 31.9/13

Right Out: 30.070 ± 27.976 χ^2/NDF : 27.4/18

Left In: 84.173 ± 21.121 χ^2/NDF : 22.9/11

Left: 76.534 ± 14.746 χ^2/NDF : 55.1/25

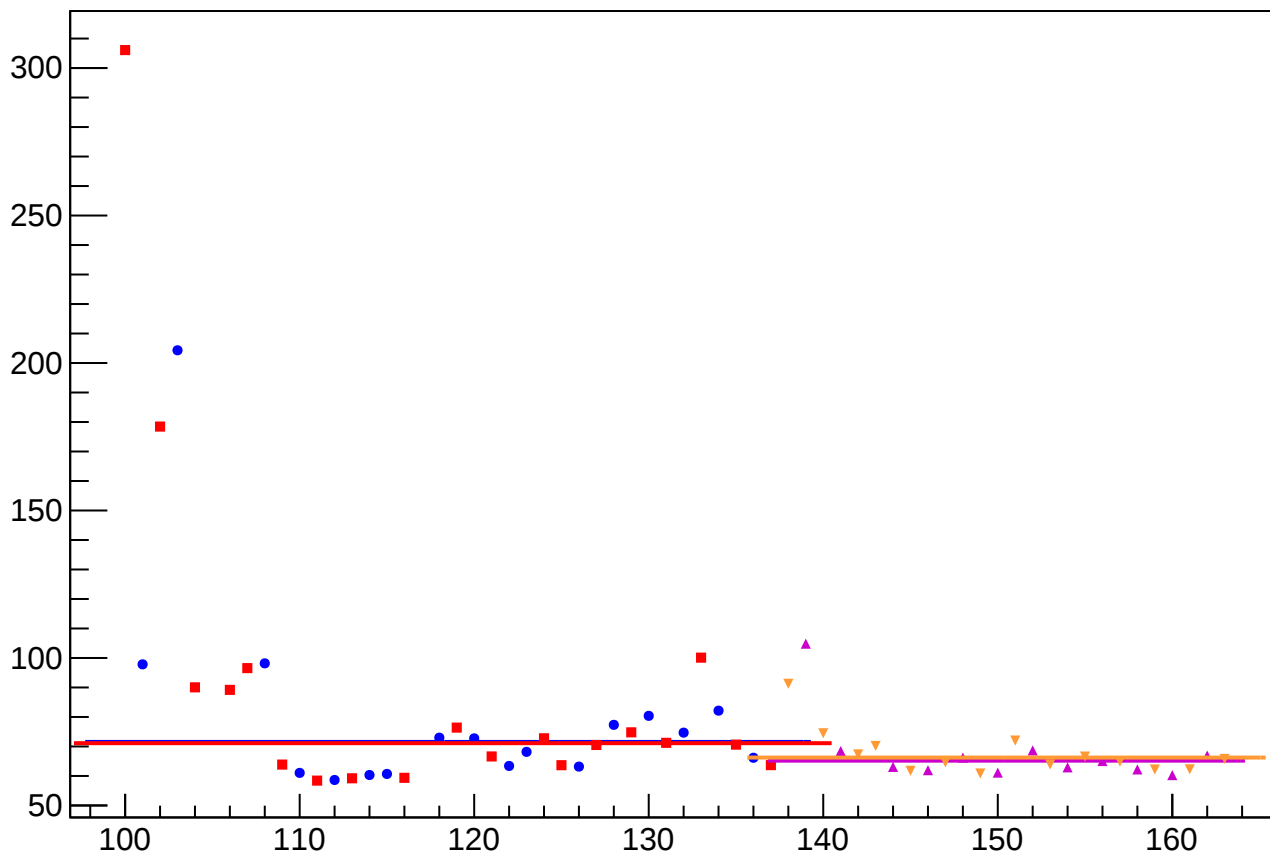
Right: 6.786 ± 20.083 χ^2/NDF : 42.2/35

In: 48.527 ± 17.042 χ^2/NDF : 44.4/28

Out: 55.492 ± 16.586 χ^2/NDF : 60.6/32

All: 52.104 ± 11.886 χ^2/NDF : 105.1/61

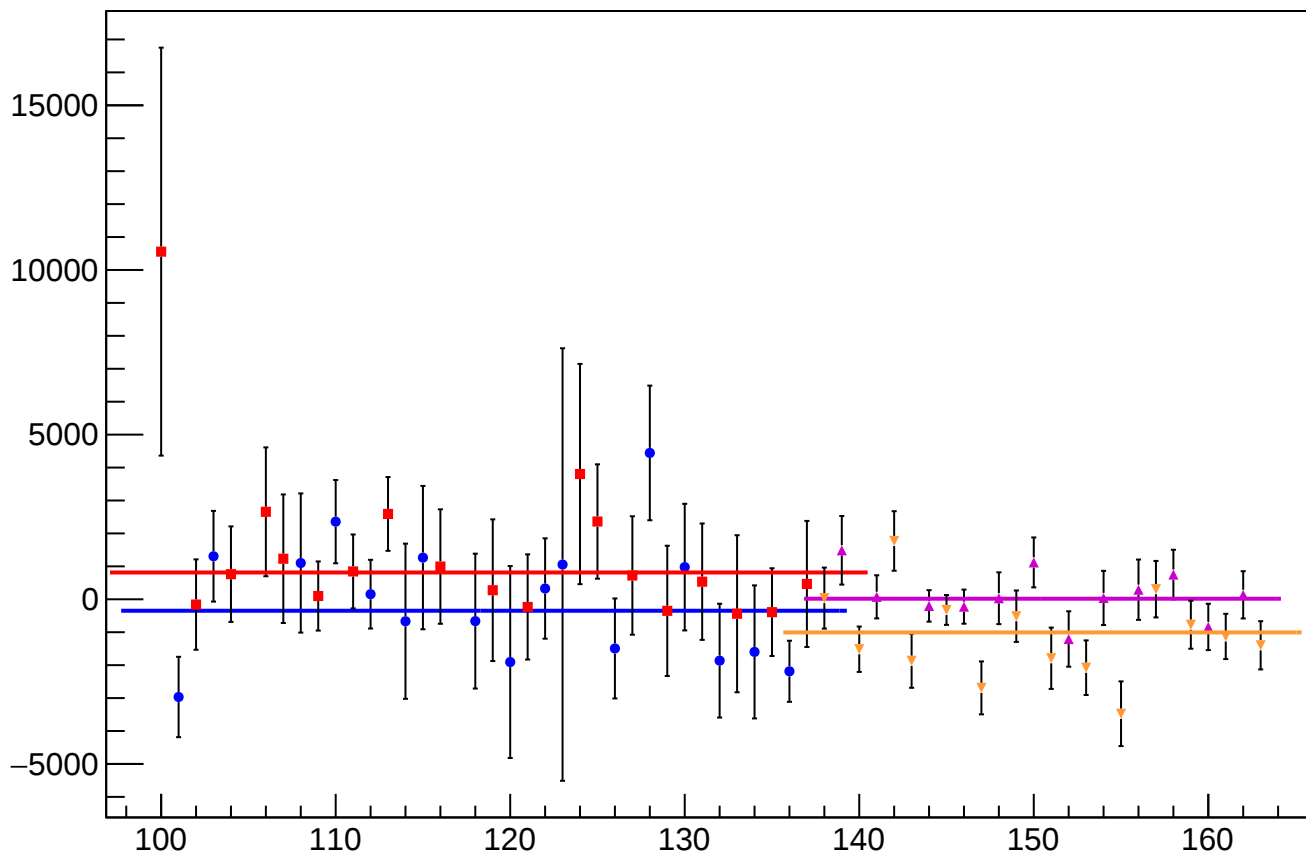
reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 71.536 $\pm$ 0.020 χ^2 /NDF: 758961.6/16
 Left Out: 66.236 $\pm$ 0.015 χ^2 /NDF:175815.0/13
 Right Out: 71.115 $\pm$ 0.020 χ^2 /NDF: 765159.2/18
 Left In: 65.191 $\pm$ 0.015 χ^2 /NDF:245912.0/11

Left: 65.727 $\pm$ 0.010 χ^2 /NDF: 424237.0/25
 Right: 71.319 $\pm$ 0.014 χ^2 /NDF: 1524340.2/35
 In: 67.405 $\pm$ 0.012 χ^2 /NDF:1067862.1/28
 Out: 67.951 $\pm$ 0.012 χ^2 /NDF:980424.1/32
 All: 67.685 $\pm$ 0.008 χ^2 /NDF: 2049339.2/61

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: -347.939+/-381.994 χ^2/NDF : 24.1/16

Left Out: -1006.074+/-200.327 χ^2/NDF :30.9/13

Right Out: 814.154+/-369.807 χ^2/NDF : 10.5/18

Left In: 17.572+/-201.932 χ^2/NDF :9.2/11

Left: -498.335+/-142.217 χ^2/NDF : 53.0/25

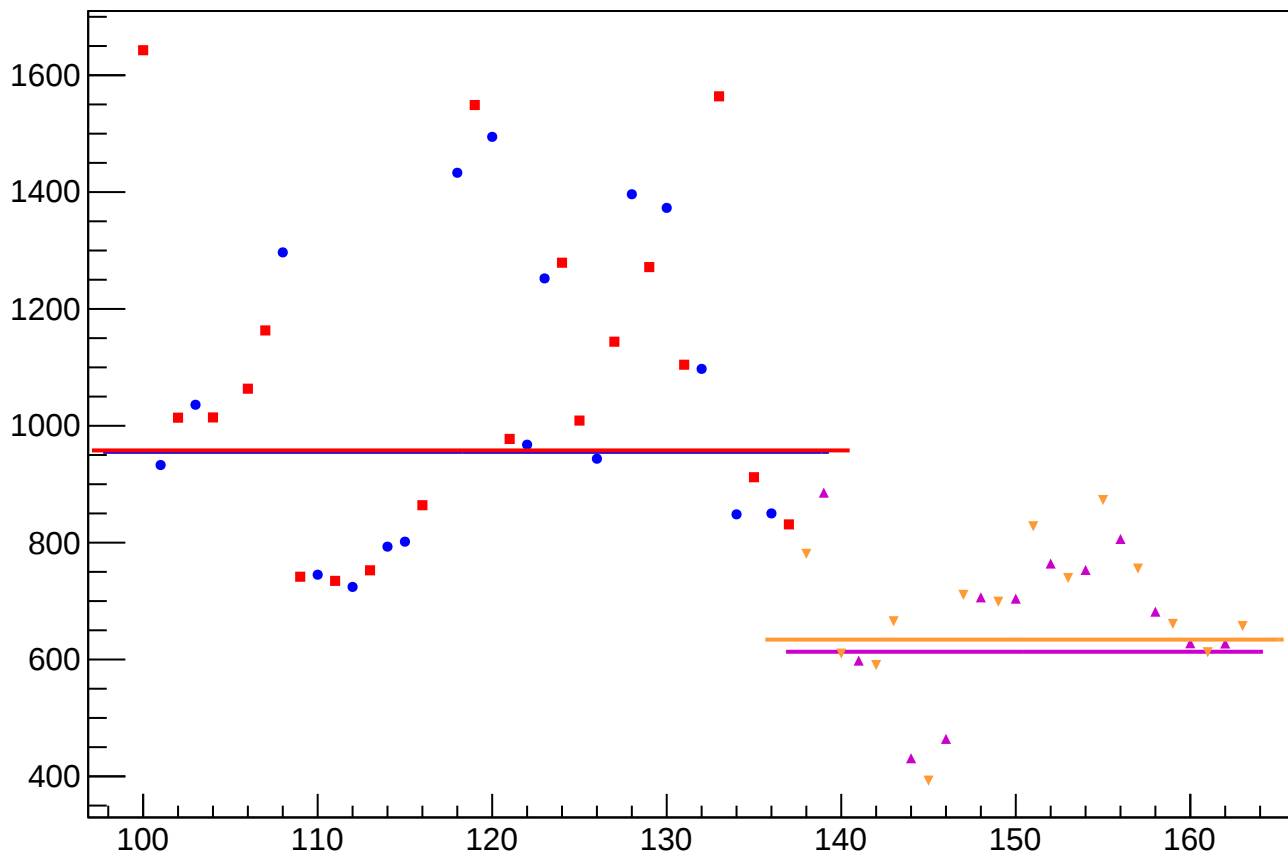
Right: 251.940+/-265.697 χ^2/NDF : 39.3/35

In: -62.260+/-178.523 χ^2/NDF :34.0/28

Out: -593.116+/-176.143 χ^2/NDF :60.1/32

All: -331.250+/-125.385 χ^2/NDF : 98.6/61

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: 634.066 $\pm$ 0.142 χ^2 /NDF: 944367.1/13

Right Out: 957.849 $\pm$ 0.261 χ^2 /NDF: 693081.8/18

Left In: 613.265 $\pm$ 0.143 χ^2 /NDF: 880440.5/11

Left: 623.749 $\pm$ 0.101 χ^2 /NDF: 1835503.2/25

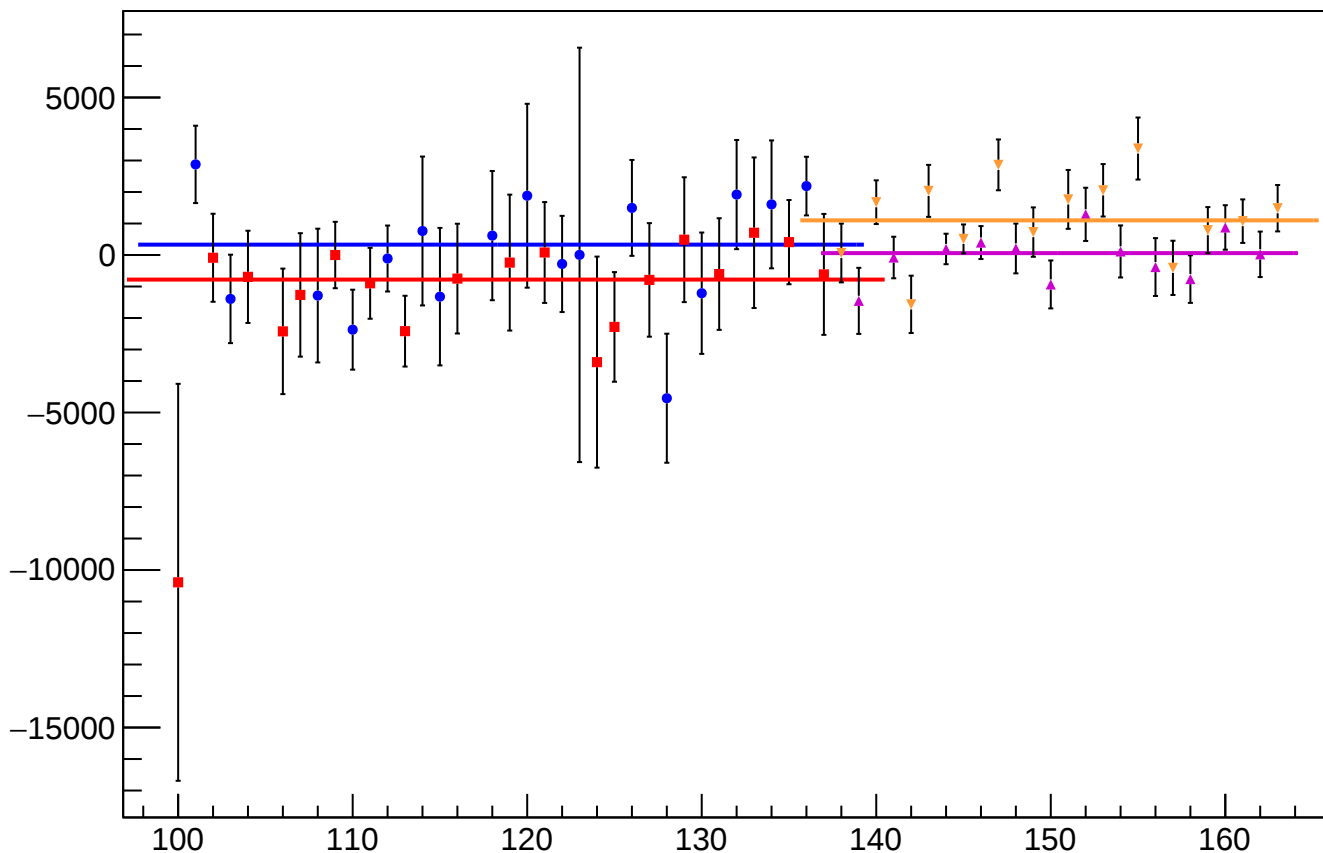
Right: 956.676 $\pm$ 0.188 χ^2 /NDF: 1339635.8/35

In: 687.997 $\pm$ 0.126 χ^2 /NDF: 2781117.0/28

Out: 707.523 $\pm$ 0.125 χ^2 /NDF: 2822773.4/32

All: 697.891 $\pm$ 0.089 χ^2 /NDF: 5616014.2/61

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 329.164 $\pm$ 383.728 χ^2 /NDF: 24.3/16

Left Out: 1099.833 $\pm$ 201.654 χ^2 /NDF:29.1/13

Right Out: -779.623 $\pm$ 371.673 χ^2 /NDF: 9.3/18

Left In: 60.235 $\pm$ 203.295 χ^2 /NDF:9.2/11

Left: 584.248 $\pm$ 143.167 χ^2 /NDF: 51.6/25

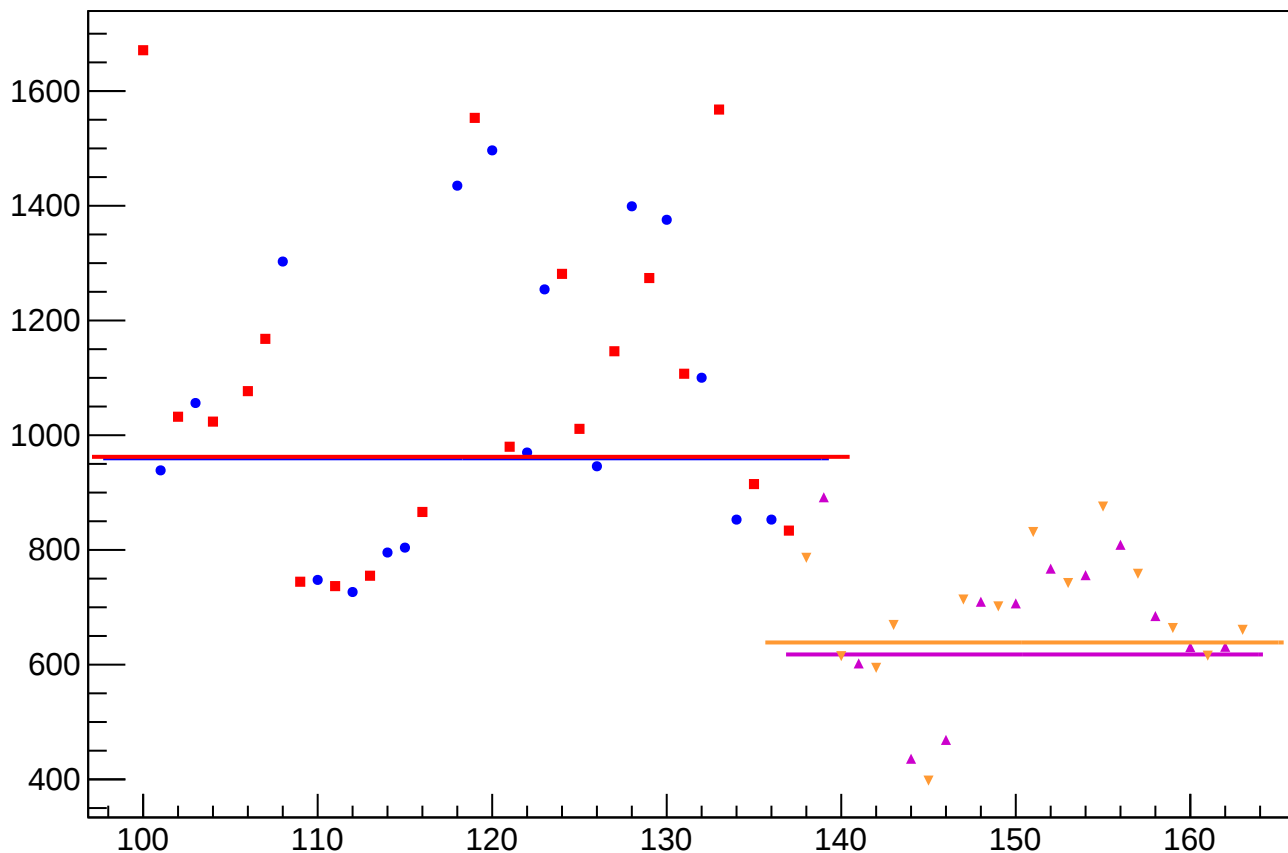
Right: -242.920 $\pm$ 266.973 χ^2 /NDF: 37.9/35

In: 119.174 $\pm$ 179.642 χ^2 /NDF:33.9/28

Out: 672.403 $\pm$ 177.246 χ^2 /NDF:58.2/32

All: 399.502 $\pm$ 126.170 χ^2 /NDF: 96.9/61

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 959.770 $\pm$ 0.271 χ^2 /NDF: 646727.9/16

Left Out: 638.675 $\pm$ 0.143 χ^2 /NDF: 917615.9/13

Right Out: 962.314 $\pm$ 0.263 χ^2 /NDF: 695757.2/18

Left In: 617.780 $\pm$ 0.144 χ^2 /NDF: 859414.4/11

Left: 628.312 $\pm$ 0.101 χ^2 /NDF: 1787680.0/25

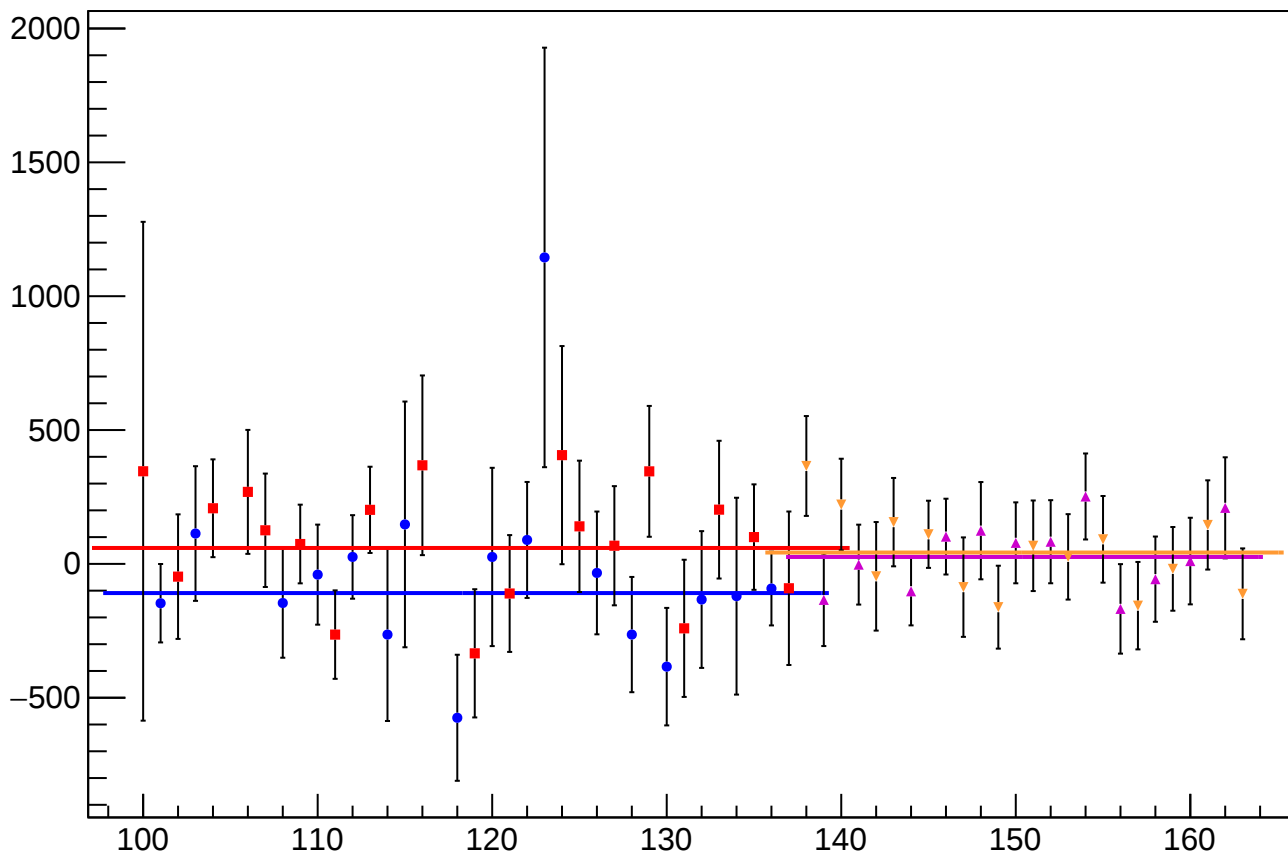
Right: 961.083 $\pm$ 0.189 χ^2 /NDF: 1342530.4/35

In: 692.732 $\pm$ 0.127 χ^2 /NDF: 2746567.0/28

Out: 712.278 $\pm$ 0.125 χ^2 /NDF: 2784950.1/32

All: 702.636 $\pm$ 0.089 χ^2 /NDF: 5543514.7/61

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -108.977 ± 52.923 χ^2/NDF : 12.0/16

Left Out: 42.470 ± 43.872 χ^2/NDF : 10.2/13

Right Out: 59.475 ± 50.822 χ^2/NDF : 14.9/18

Left In: 25.848 ± 45.371 χ^2/NDF : 7.3/11

Left: 34.438 ± 31.539 χ^2/NDF : 17.6/25

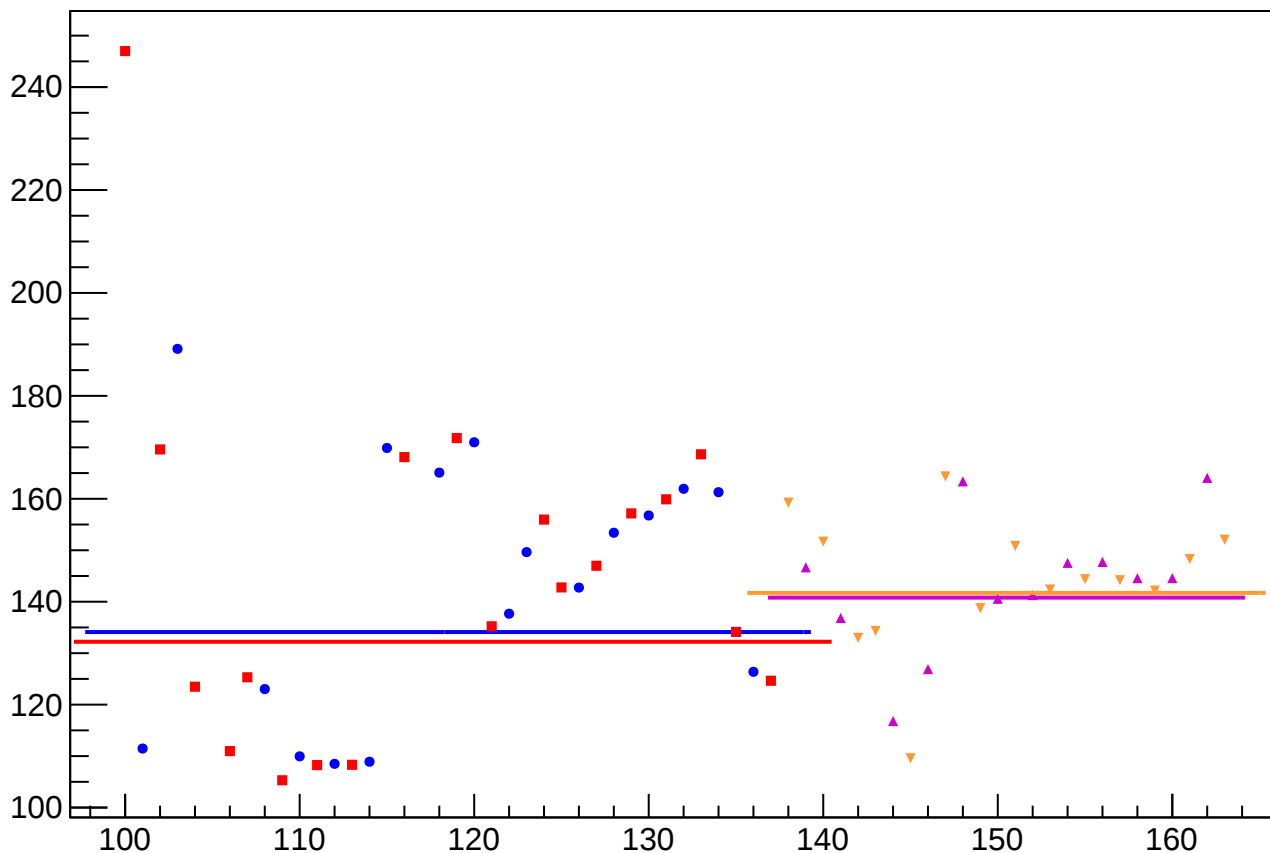
Right: -21.341 ± 36.657 χ^2/NDF : 32.2/35

In: -31.266 ± 34.445 χ^2/NDF : 23.0/28

Out: 49.731 ± 33.210 χ^2/NDF : 25.2/32

All: 10.711 ± 23.908 χ^2/NDF : 51.1/61

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: 141.721 $\pm$ 0.031 χ^2 /NDF:211258.5/13

Right Out: 132.219 $\pm$ 0.036 χ^2 /NDF: 441738.5/18

Left In: 140.796 $\pm$ 0.032 χ^2 /NDF:164402.7/11

Left: 141.274 $\pm$ 0.022 χ^2 /NDF: 376090.5/25

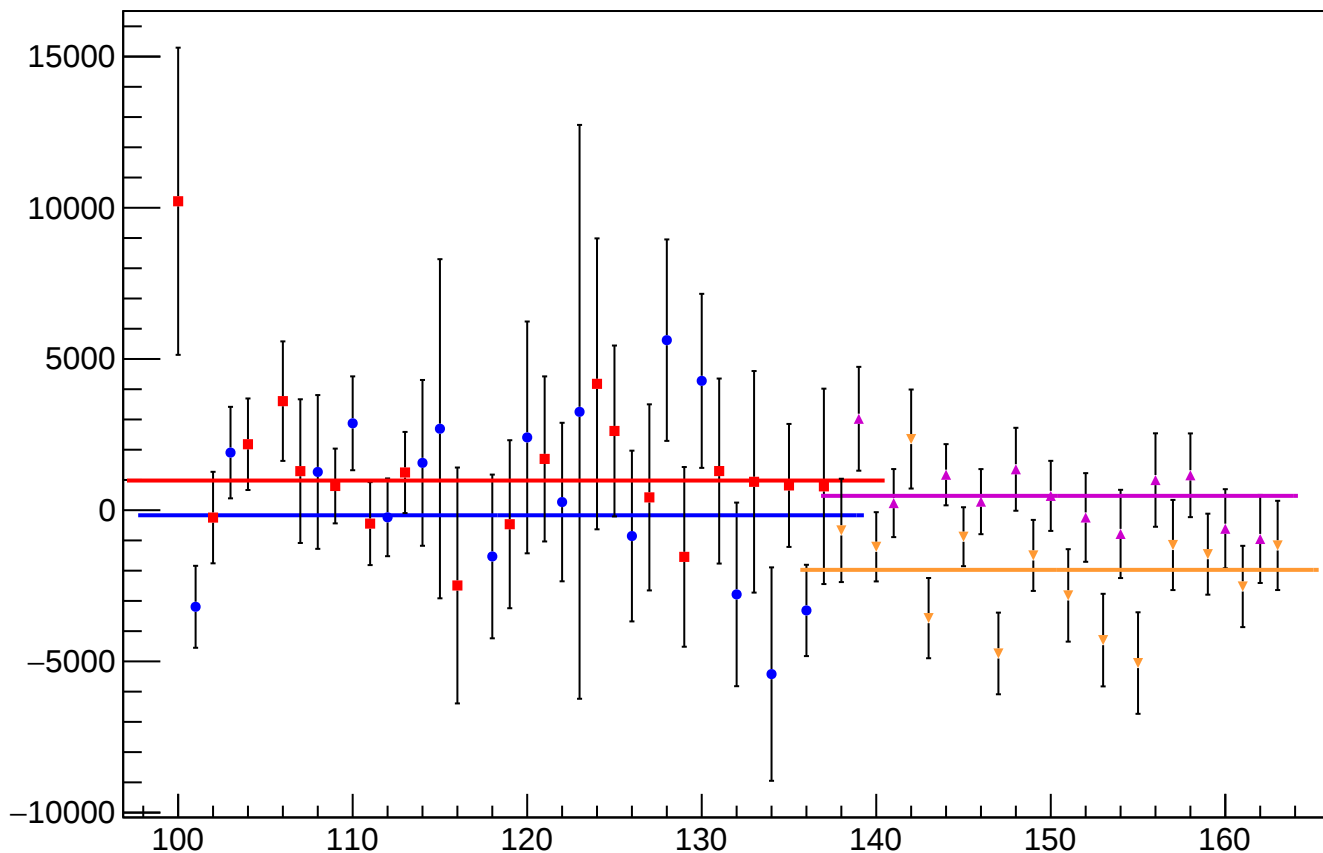
Right: 133.123 $\pm$ 0.026 χ^2 /NDF: 845638.9/35

In: 137.961 $\pm$ 0.024 χ^2 /NDF:585421.2/28

Out: 137.663 $\pm$ 0.023 χ^2 /NDF:693057.6/32

All: 137.807 $\pm$ 0.017 χ^2 /NDF: 1278556.1/61

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



Right In: -168.237+/-523.672 χ^2/NDF : 25.3/16

Left Out: -1973.226+/-362.643 χ^2/NDF :22.0/13

Right Out: 980.517+/-480.968 χ^2/NDF : 10.2/18

Left In: 474.155+/-373.254 χ^2/NDF :6.2/11

Left: -784.818+/-260.098 χ^2/NDF : 50.3/25

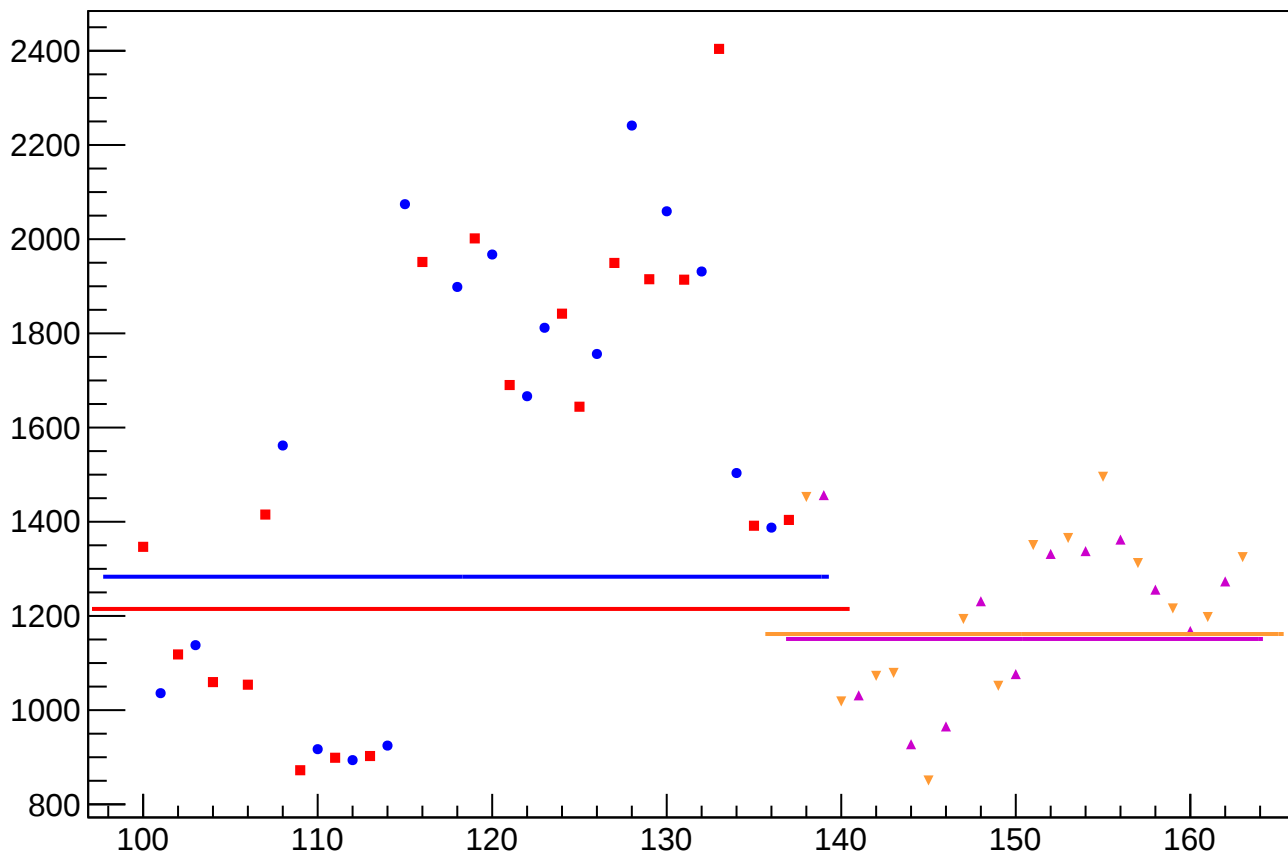
Right: 454.882+/-354.232 χ^2/NDF : 38.1/35

In: 257.744+/-303.948 χ^2/NDF :32.5/28

Out: -902.656+/-289.559 χ^2/NDF :56.2/32

All: -350.572+/-209.652 χ^2/NDF : 96.3/61

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



Right In: 1283.318+/-0.370 χ^2/NDF : 1169431.5/16

Left Out: 1161.654+/-0.256 χ^2/NDF : 519945.6/13

Right Out: 1214.883+/-0.340 χ^2/NDF : 1360860.3/18

Left In: 1151.116+/-0.264 χ^2/NDF : 384420.0/11

Left: 1156.537+/-0.184 χ^2/NDF : 905185.7/25

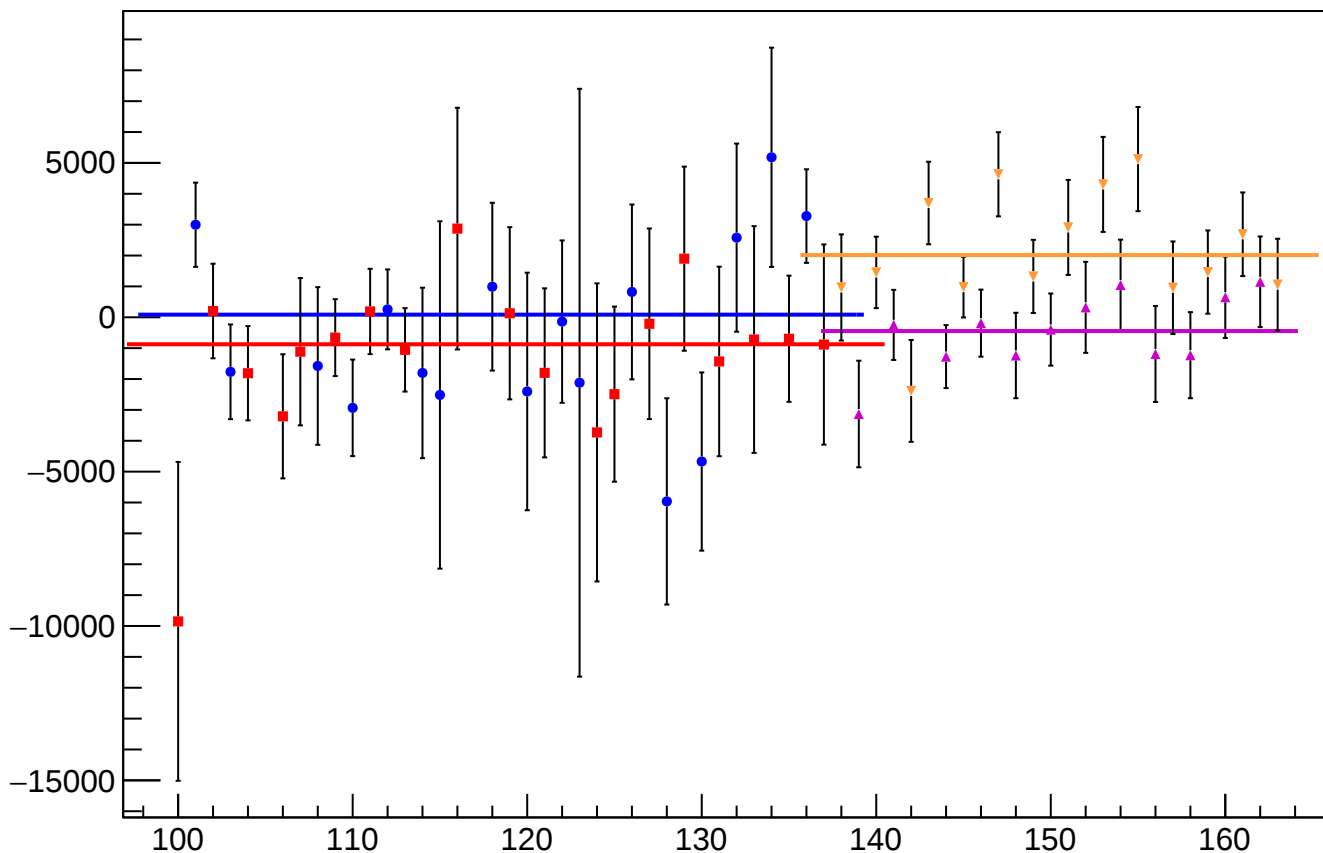
Right: 1246.197+/-0.250 χ^2/NDF : 2548819.1/35

In: 1195.653+/-0.215 χ^2/NDF : 1638374.2/28

Out: 1180.947+/-0.205 χ^2/NDF : 1896423.0/32

All: 1187.944+/-0.148 χ^2/NDF : 3537251.6/63

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 85.077+/-527.082 χ^2/NDF : 24.7/16

Left Out: 2013.923+/-365.475 χ^2/NDF : 21.7/13

Right Out: -874.592+/-484.647 χ^2/NDF : 8.7/18

Left In: -445.913+/-376.143 χ^2/NDF : 7.2/11

Left: 819.382+/-262.120 χ^2/NDF : 50.9/25

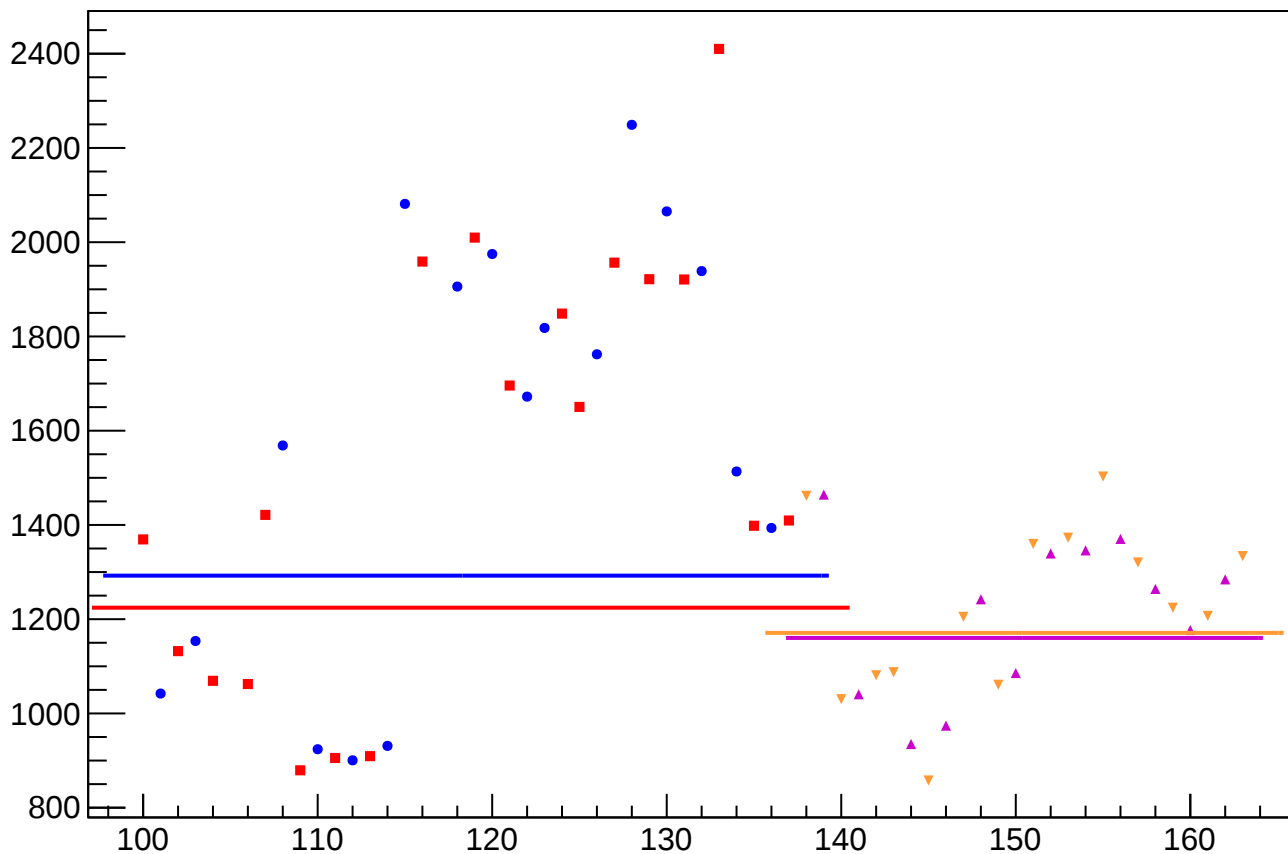
Right: -434.939+/-356.757 χ^2/NDF : 35.2/35

In: -266.742+/-306.175 χ^2/NDF : 32.6/28

Out: 966.779+/-291.804 χ^2/NDF : 53.1/32

All: 379.646+/-211.234 χ^2/NDF : 94.1/61

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1292.426 $\pm$ 0.373 χ^2 /NDF: 1156576.0/16

Left Out: 1170.996 $\pm$ 0.258 χ^2 /NDF: 512561.6/13

Right Out: 1224.429 $\pm$ 0.343 χ^2 /NDF: 1345748.2/18

Left In: 1160.221 $\pm$ 0.266 χ^2 /NDF: 379574.6/11

Left: 1165.763 $\pm$ 0.185 χ^2 /NDF: 892980.4/25

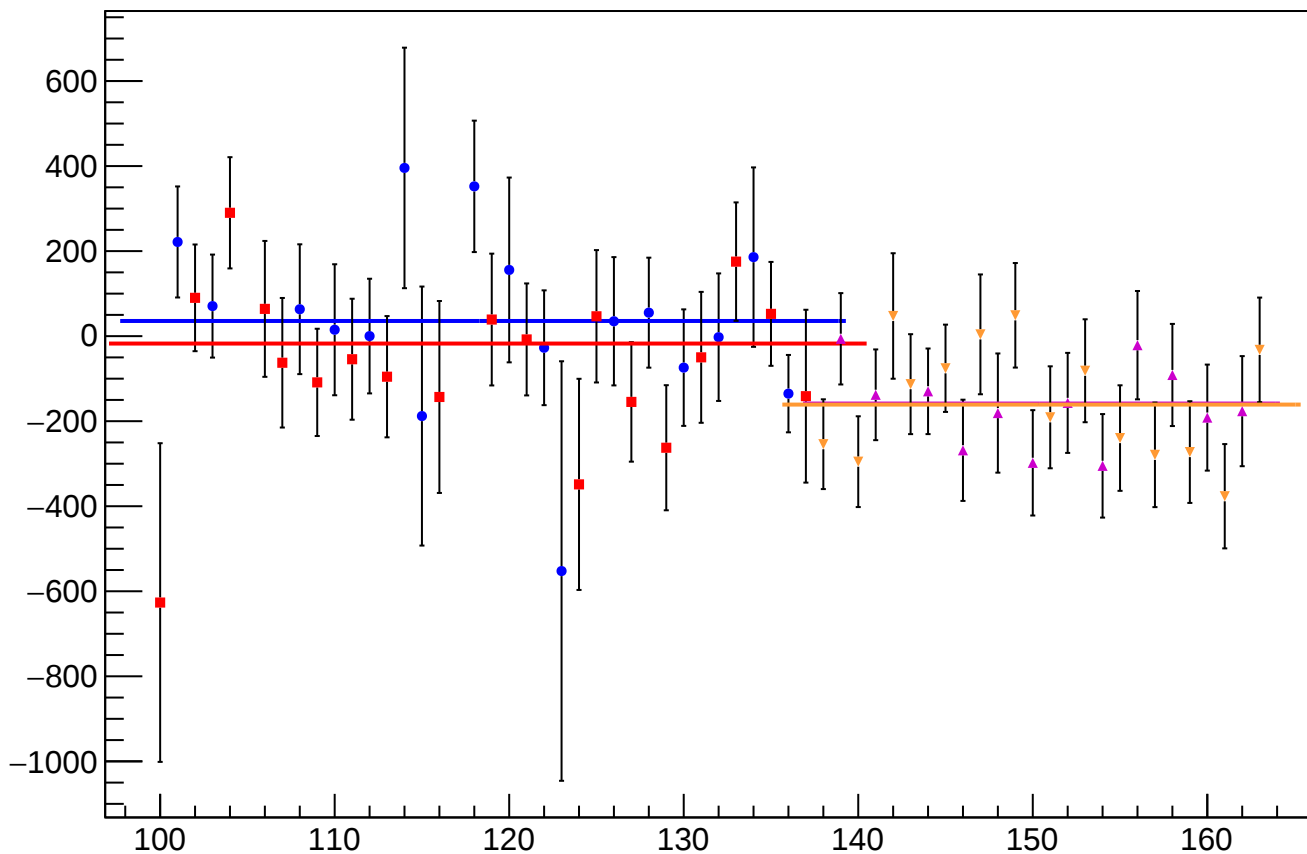
Right: 1255.580 $\pm$ 0.252 χ^2 /NDF: 2520360.3/35

In: 1204.831 $\pm$ 0.216 χ^2 /NDF: 1619518.7/28

Out: 1190.367 $\pm$ 0.206 χ^2 /NDF: 1873807.6/32

All: 1197.251 $\pm$ 0.149 χ^2 /NDF: 3495665.2/63

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: -160.948 $\pm$ 31.968 χ^2 /NDF:16.4/13

Right Out: -17.418 $\pm$ 34.691 χ^2 /NDF: 18.9/18

Left In: -158.512 $\pm$ 34.211 χ^2 /NDF:7.3/11

Left: -159.812 $\pm$ 23.357 χ^2 /NDF: 23.7/25

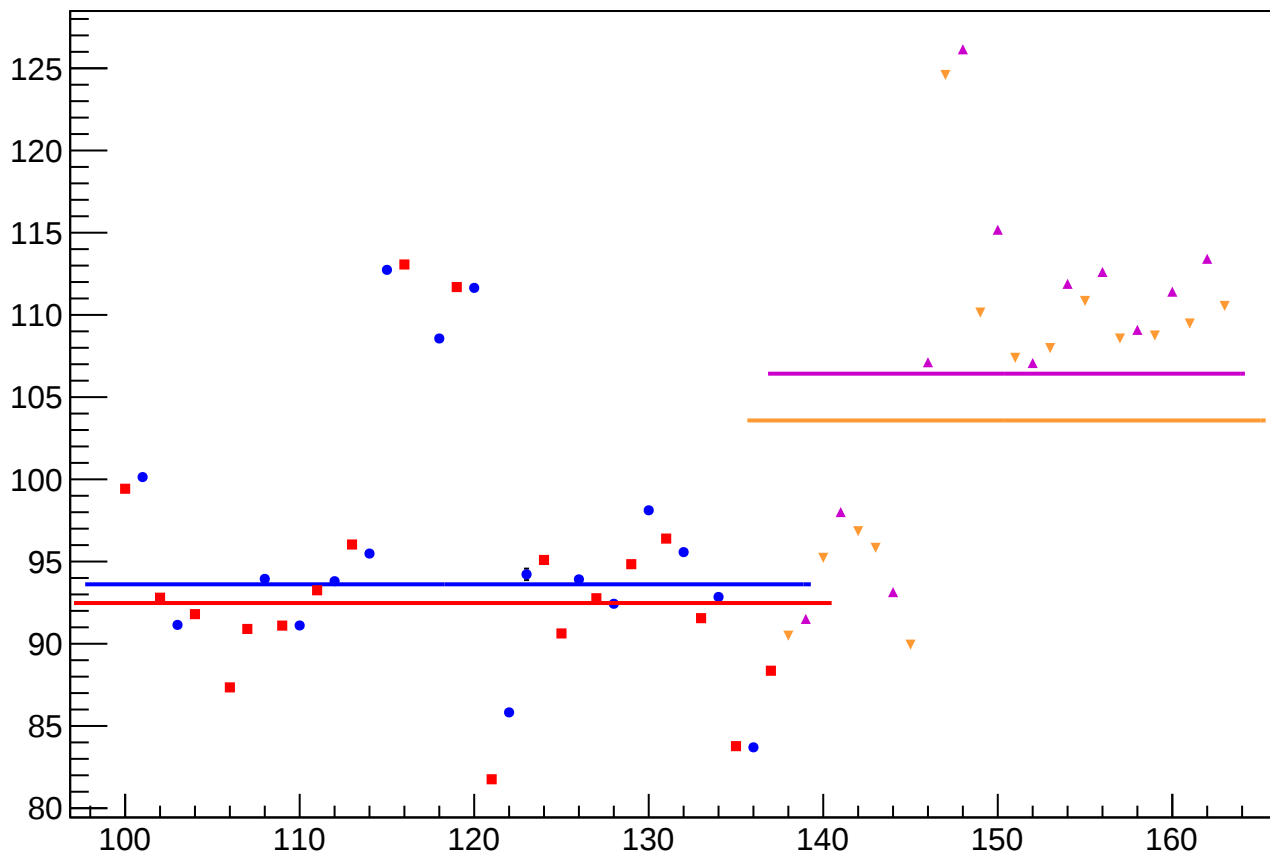
Right: 7.891 $\pm$ 25.096 χ^2 /NDF: 35.3/35

In: -67.299 $\pm$ 24.913 χ^2 /NDF:37.7/28

Out: -95.037 $\pm$ 23.508 χ^2 /NDF:44.6/32

All: -81.972 $\pm$ 17.098 χ^2 /NDF: 82.9/61

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 93.616+/-0.026 χ^2/NDF : 79928.5/16

Left Out: 103.582+/-0.023 χ^2/NDF : 170883.8/13

Right Out: 92.477+/-0.025 χ^2/NDF : 78591.0/18

Left In: 106.426+/-0.024 χ^2/NDF : 154327.9/11

Left: 104.908+/-0.017 χ^2/NDF : 332592.7/25

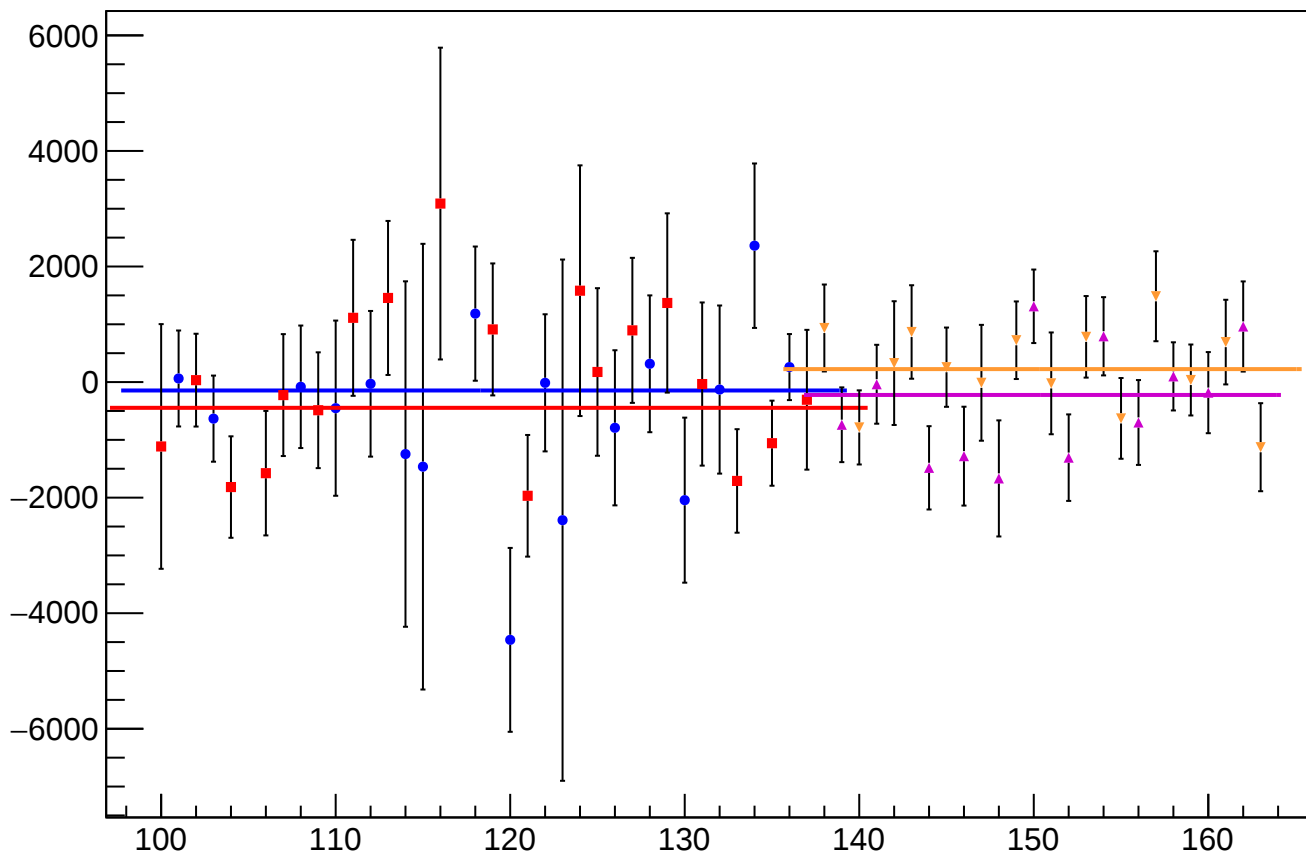
Right: 93.020+/-0.018 χ^2/NDF : 159546.8/35

In: 100.409+/-0.018 χ^2/NDF : 365973.1/28

Out: 98.482+/-0.017 χ^2/NDF : 360297.3/32

All: 99.390+/-0.012 χ^2/NDF : 732598.2/61

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



Right In: -145.464 $\pm$ 276.629 χ^2 /NDF: 15.5/16

Left Out: 224.500 $\pm$ 199.322 χ^2 /NDF:13.1/13

Right Out: -445.575 $\pm$ 260.276 χ^2 /NDF: 19.0/18

Left In: -222.927 $\pm$ 205.604 χ^2 /NDF:20.6/11

Left: 7.726 $\pm$ 143.111 χ^2 /NDF: 36.1/25

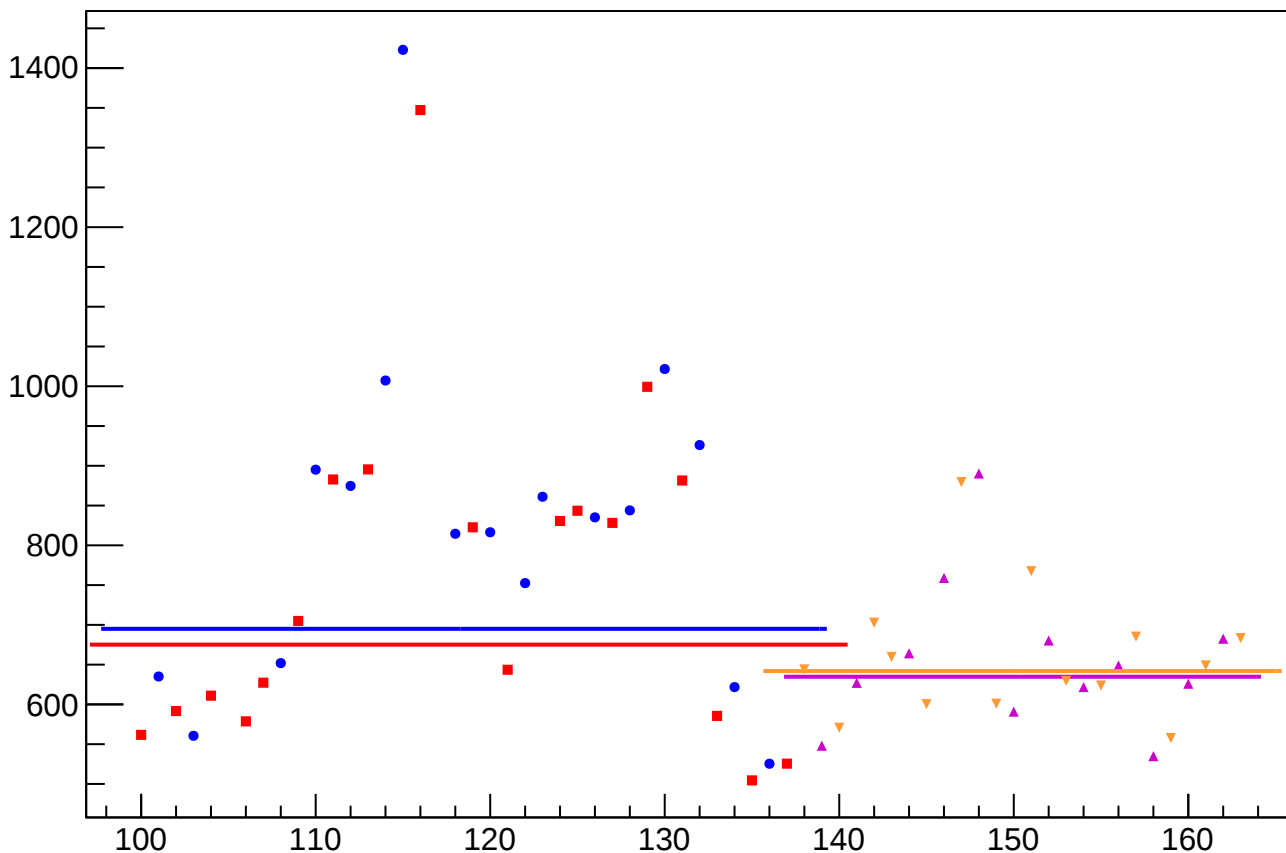
Right: -304.652 $\pm$ 189.560 χ^2 /NDF: 35.1/35

In: -195.363 $\pm$ 165.017 χ^2 /NDF:36.1/28

Out: -23.206 $\pm$ 158.249 χ^2 /NDF:36.2/32

All: -105.681 $\pm$ 114.216 χ^2 /NDF: 72.9/61

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: 641.927 $\pm$ 0.141 χ^2 /NDF:251829.6/13

Right Out: 675.151 $\pm$ 0.184 χ^2 /NDF: 676394.1/18

Left In: 634.792 $\pm$ 0.145 χ^2 /NDF:294672.8/11

Left: 638.470 $\pm$ 0.101 χ^2 /NDF: 547744.1/25

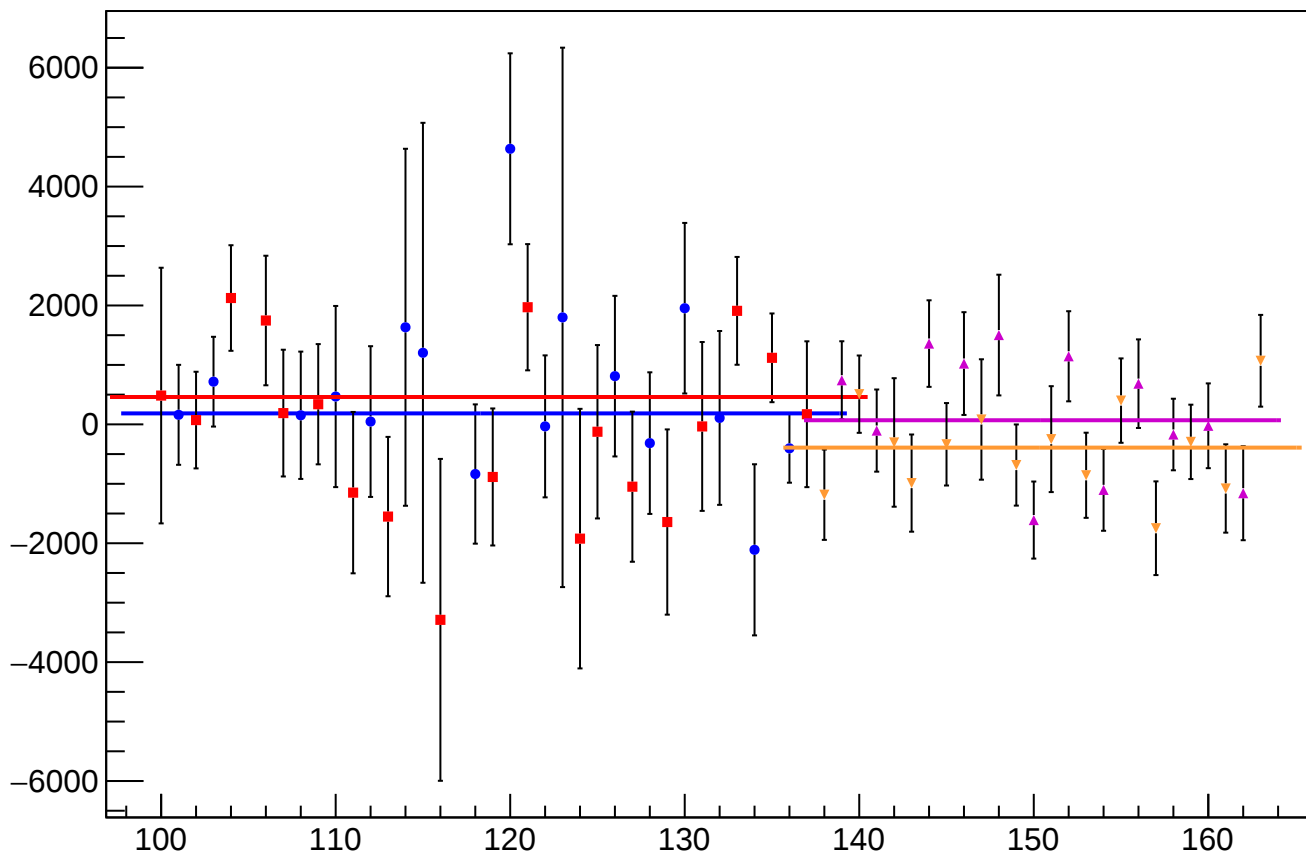
Right: 684.478 $\pm$ 0.134 χ^2 /NDF: 1359576.7/35

In: 656.221 $\pm$ 0.117 χ^2 /NDF:1033443.4/28

Out: 654.209 $\pm$ 0.112 χ^2 /NDF:948765.5/32

All: 655.173 $\pm$ 0.081 χ^2 /NDF: 1982363.9/61

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 184.518 ± 279.390 $\chi^2/\text{NDF}: 14.9/16$

Left Out: -391.277 ± 202.055 $\chi^2/\text{NDF}: 13.1/13$

Right Out: 460.174 ± 262.960 $\chi^2/\text{NDF}: 22.3/18$

Left In: 69.203 ± 208.651 $\chi^2/\text{NDF}: 22.4/11$

Left: -168.431 ± 145.150 $\chi^2/\text{NDF}: 37.9/25$

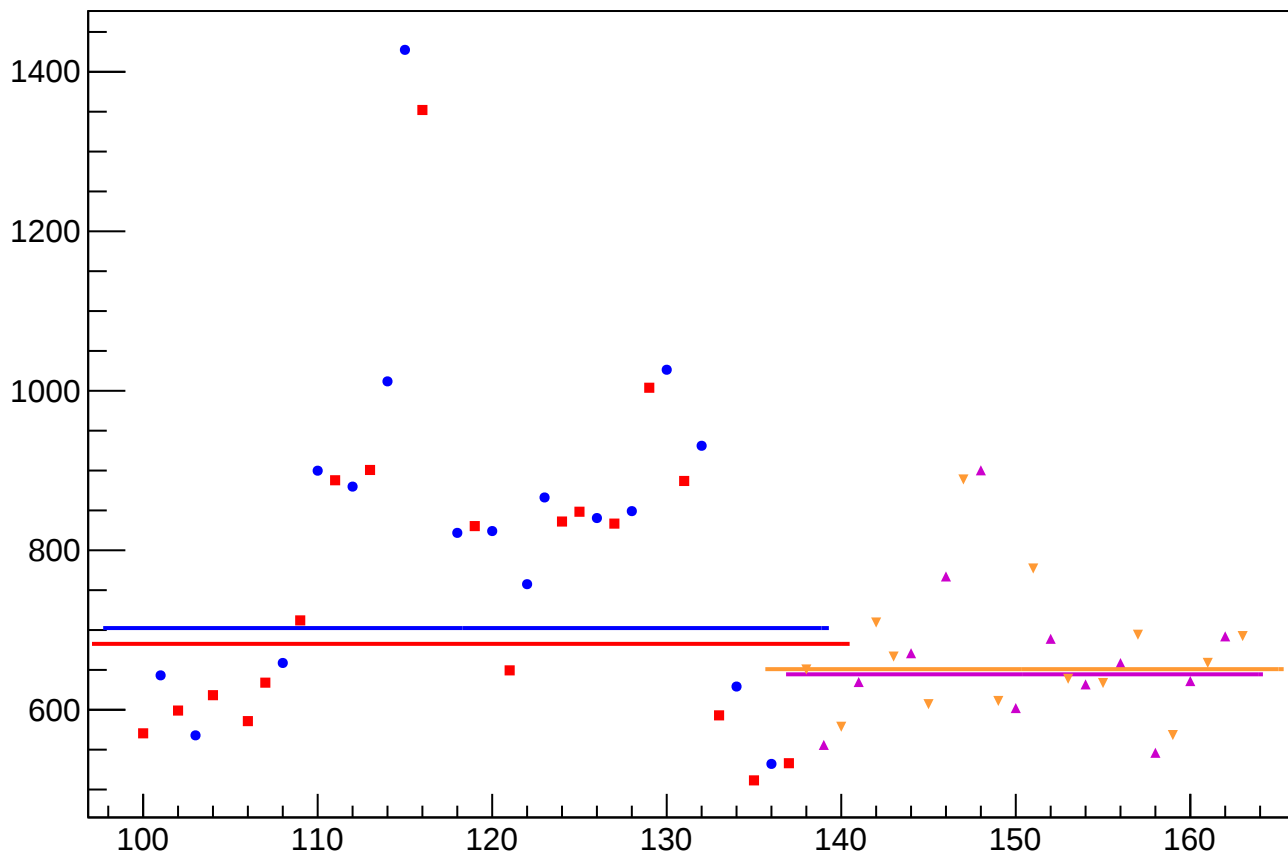
Right: 330.689 ± 191.486 $\chi^2/\text{NDF}: 37.7/35$

In: 110.490 ± 167.176 $\chi^2/\text{NDF}: 37.4/28$

Out: -75.189 ± 160.219 $\chi^2/\text{NDF}: 41.9/32$

All: 13.706 ± 115.673 $\chi^2/\text{NDF}: 80.0/61$

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 702.469 $\pm$ 0.198 χ^2 /NDF: 660525.4/16

Left Out: 650.958 $\pm$ 0.143 χ^2 /NDF: 245228.9/13

Right Out: 682.662 $\pm$ 0.186 χ^2 /NDF: 659521.7/18

Left In: 644.471 $\pm$ 0.148 χ^2 /NDF: 284493.1/11

Left: 647.818 $\pm$ 0.103 χ^2 /NDF: 530719.7/25

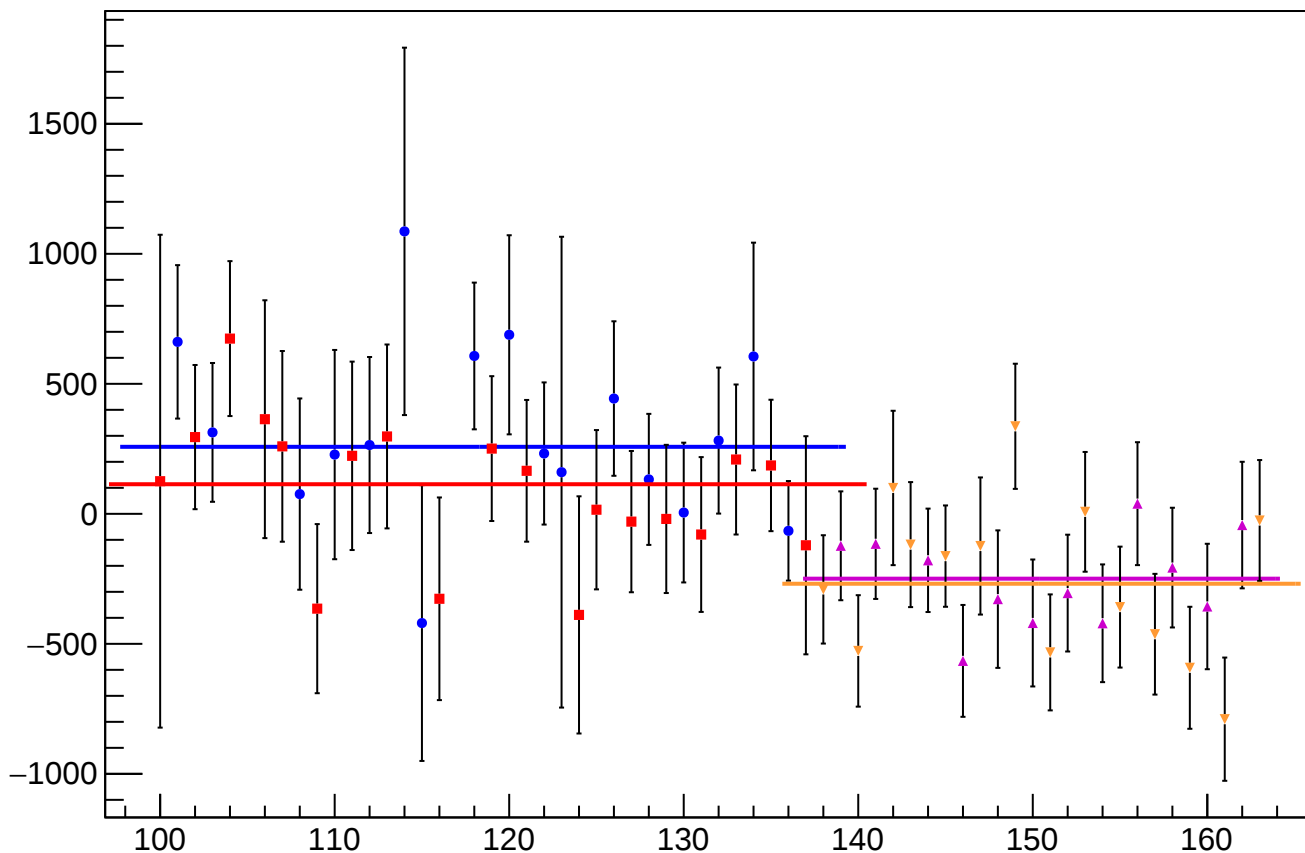
Right: 691.966 $\pm$ 0.135 χ^2 /NDF: 1325377.5/35

In: 665.236 $\pm$ 0.118 χ^2 /NDF: 1000347.0/28

Out: 662.727 $\pm$ 0.113 χ^2 /NDF: 923030.2/32

All: 663.928 $\pm$ 0.082 χ^2 /NDF: 1923612.0/61

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 257.721 $\pm$ 75.931 χ^2 /NDF: 13.0/16

Left Out: -268.888 $\pm$ 61.790 χ^2 /NDF:21.8/13

Right Out: 113.851 $\pm$ 74.211 χ^2 /NDF: 11.2/18

Left In: -249.381 $\pm$ 65.482 χ^2 /NDF:6.7/11

Left: -259.700 $\pm$ 44.941 χ^2 /NDF: 28.6/25

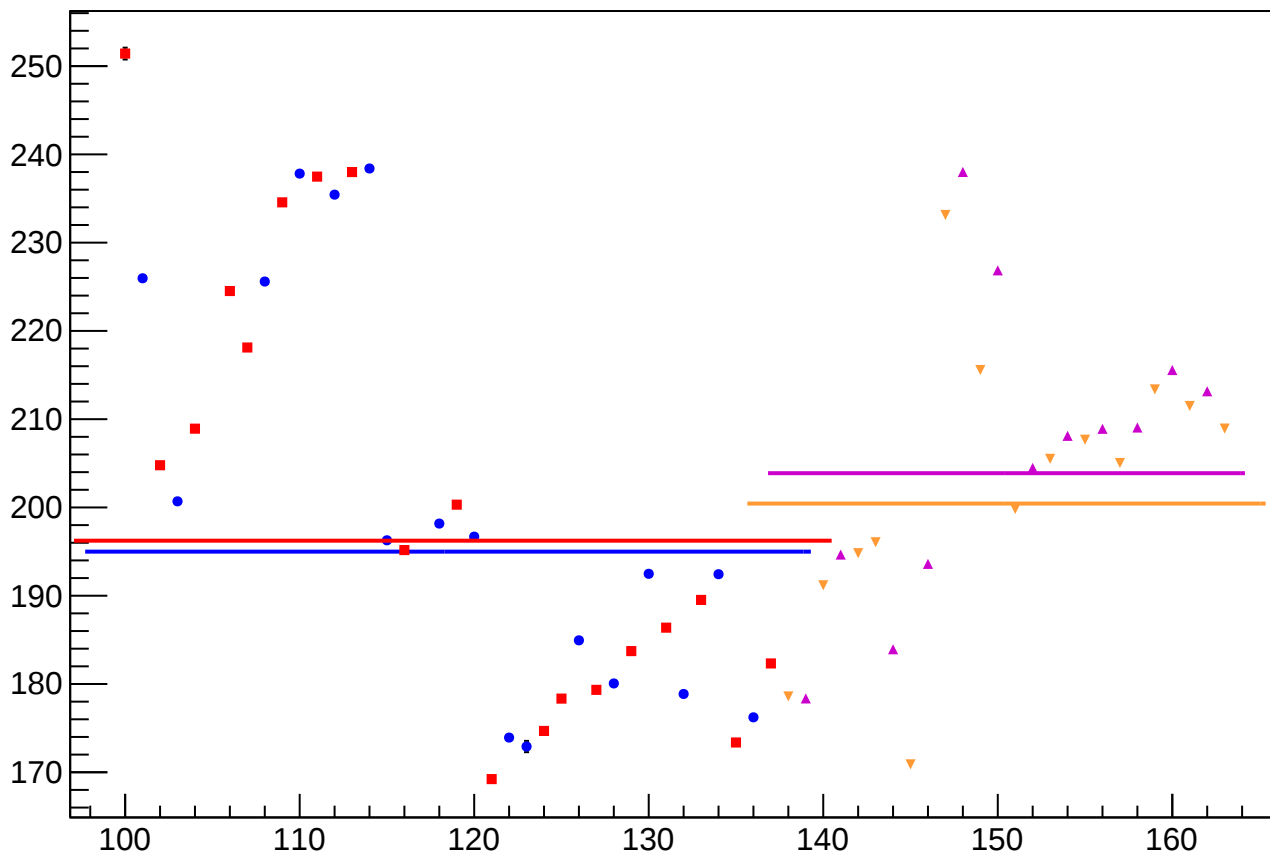
Right: 184.138 $\pm$ 53.073 χ^2 /NDF: 26.1/35

In: -33.097 $\pm$ 49.589 χ^2 /NDF:45.3/28

Out: -112.186 $\pm$ 47.485 χ^2 /NDF:48.8/32

All: -74.355 $\pm$ 34.297 χ^2 /NDF: 95.4/61

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: 200.440 $\pm$ 0.044 χ^2 /NDF:128549.6/13

Right Out: 196.235 $\pm$ 0.052 χ^2 /NDF: 173491.6/18

Left In: 203.881 $\pm$ 0.046 χ^2 /NDF:119451.8/11

Left: 202.061 $\pm$ 0.032 χ^2 /NDF: 250923.1/25

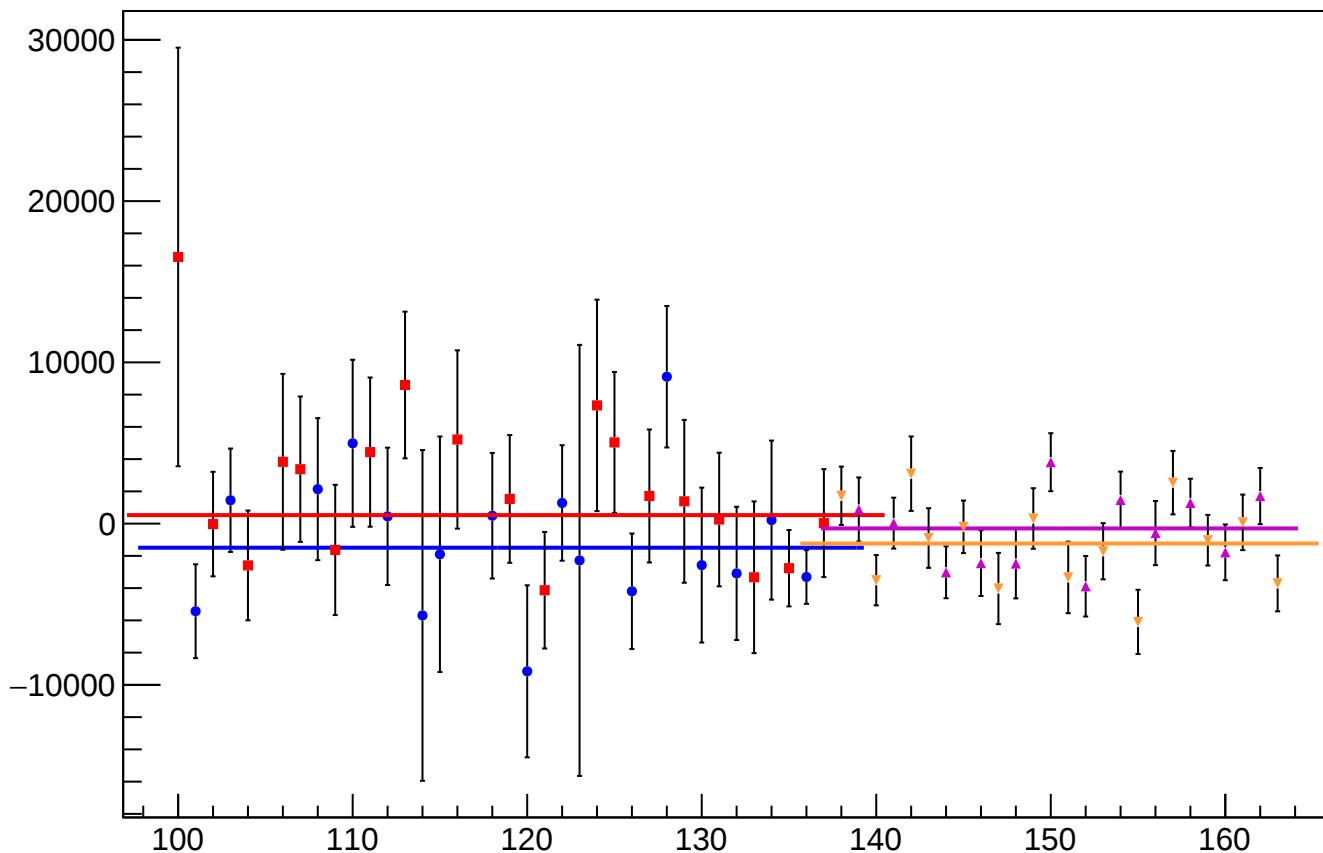
Right: 195.629 $\pm$ 0.038 χ^2 /NDF: 318035.8/35

In: 200.091 $\pm$ 0.035 χ^2 /NDF:279434.7/28

Out: 198.718 $\pm$ 0.034 χ^2 /NDF:305833.9/32

All: 199.375 $\pm$ 0.024 χ^2 /NDF: 586067.9/61

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: -1232.096 $\pm$ 489.100 χ^2 /NDF:24.3/13

Right Out: 528.758 $\pm$ 934.718 χ^2 /NDF: 14.6/18

Left In: -298.010 $\pm$ 515.184 χ^2 /NDF:18.4/11

Left: -789.297 $\pm$ 354.709 χ^2 /NDF: 44.5/25

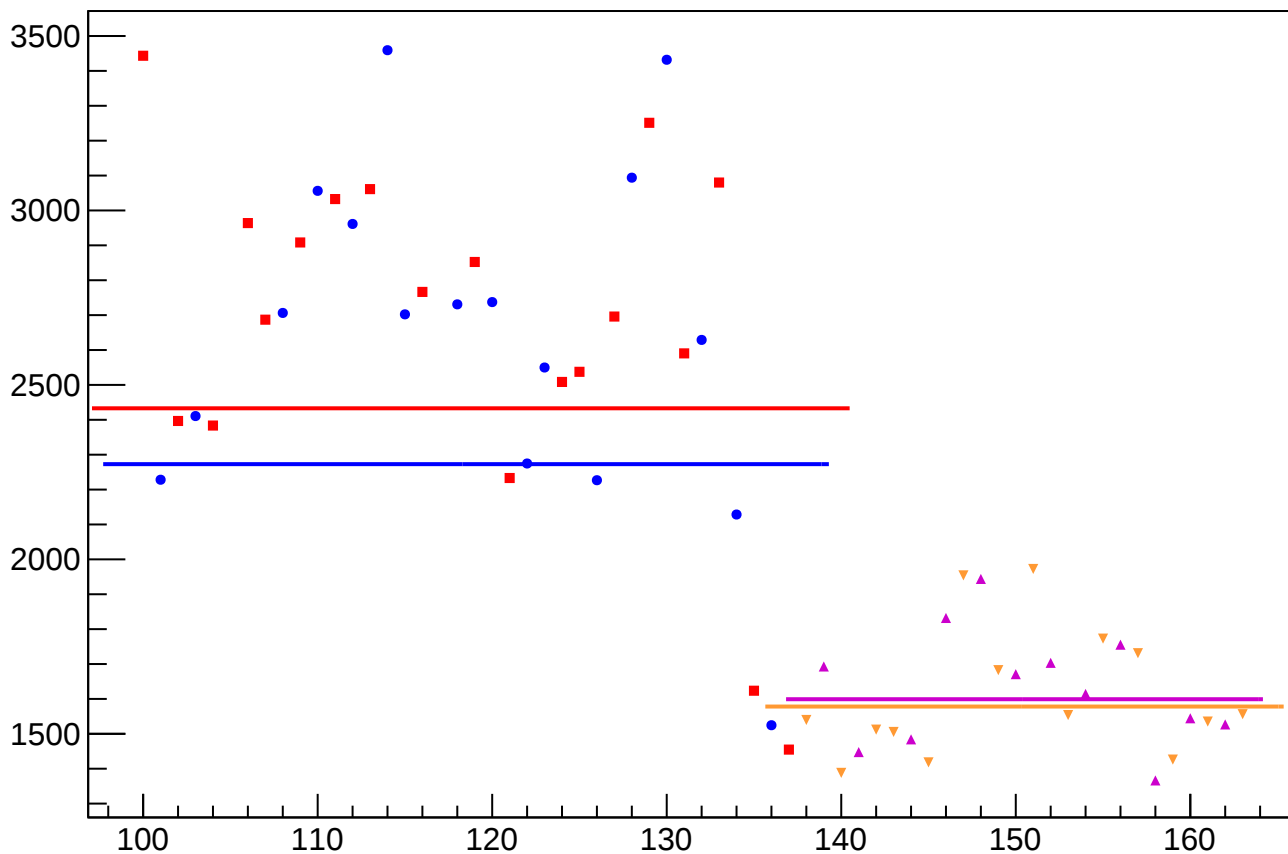
Right: -508.424 $\pm$ 652.337 χ^2 /NDF: 33.2/35

In: -587.719 $\pm$ 448.423 χ^2 /NDF:35.9/28

Out: -853.604 $\pm$ 433.358 χ^2 /NDF:41.7/32

All: -725.203 $\pm$ 311.620 χ^2 /NDF: 77.8/61

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 2272.883+/-0.644 χ^2/NDF : 805650.3/16

Left Out: 1578.143+/-0.346 χ^2/NDF : 233778.9/13

Right Out: 2432.950+/-0.661 χ^2/NDF : 680783.9/18

Left In: 1599.150+/-0.364 χ^2/NDF : 185124.8/11

Left: 1588.101+/-0.251 χ^2/NDF : 420652.6/25

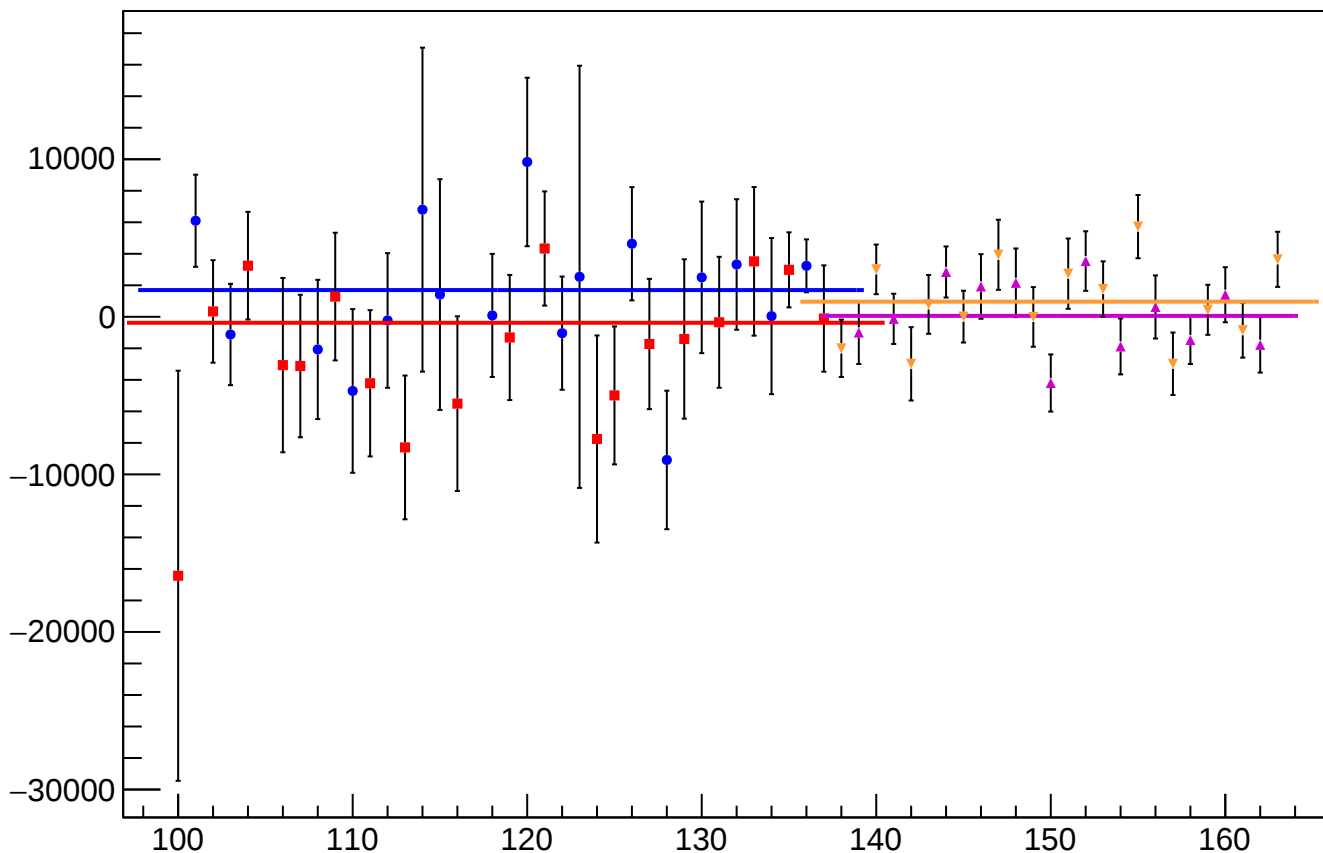
Right: 2350.846+/-0.461 χ^2/NDF : 1516518.2/35

In: 1762.449+/-0.317 χ^2/NDF : 1819822.6/28

Out: 1761.882+/-0.306 χ^2/NDF : 2227679.6/32

All: 1762.156+/-0.220 χ^2/NDF : 4047503.8/63

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1695.956+/-914.855 χ^2/NDF : 16.6/16

Left Out: 962.839+/-493.210 χ^2/NDF : 23.6/13

Right Out: -377.629+/-938.528 χ^2/NDF : 15.0/18

Left In: 60.871+/-519.583 χ^2/NDF : 17.9/11

Left: 535.326+/-357.712 χ^2/NDF : 43.1/25

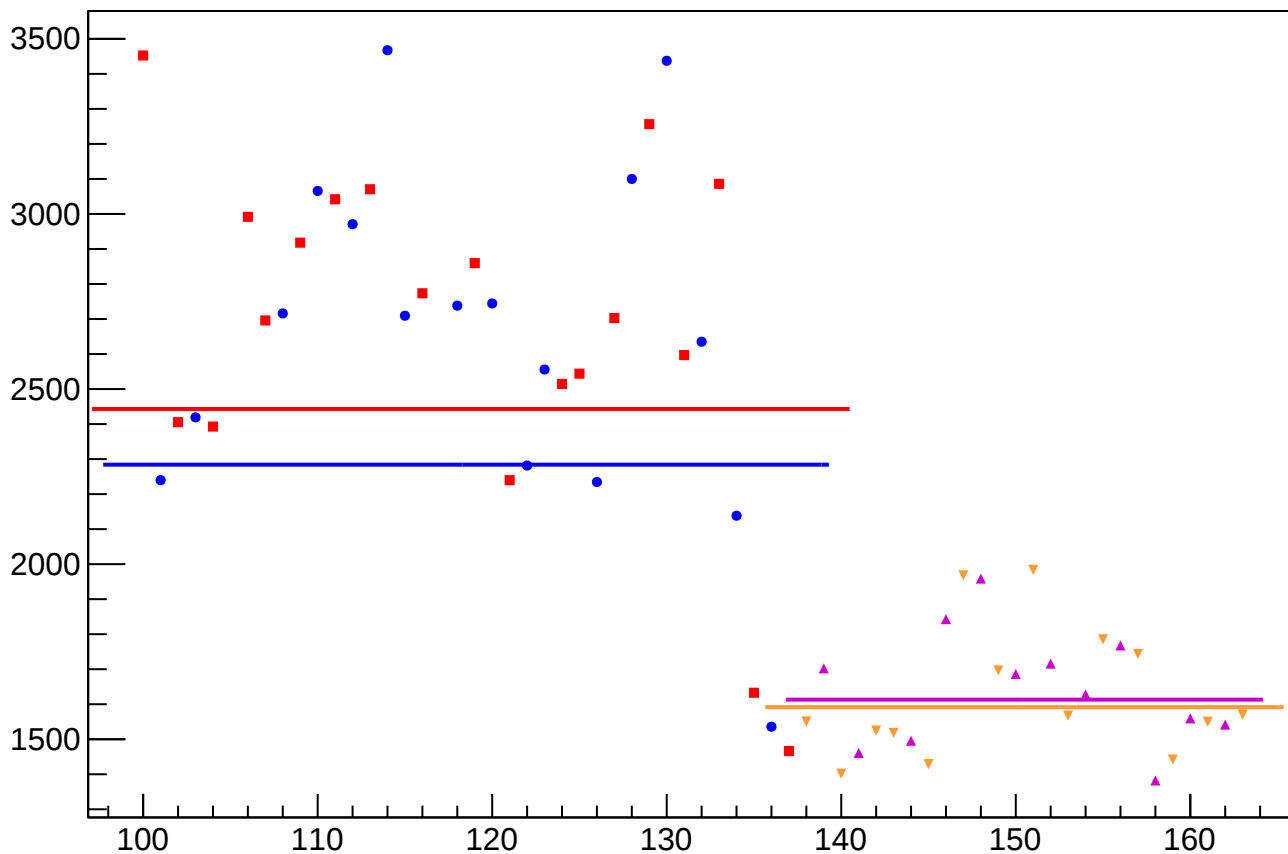
Right: 685.645+/-655.109 χ^2/NDF : 34.1/35

In: 459.648+/-451.801 χ^2/NDF : 36.9/28

Out: 672.758+/-436.595 χ^2/NDF : 40.2/32

All: 569.850+/-313.957 χ^2/NDF : 77.2/61

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2284.104+/-0.647 χ^2/NDF : 793993.4/16

Left Out: 1591.696+/-0.349 χ^2/NDF : 229629.5/13

Right Out: 2443.124+/-0.664 χ^2/NDF : 672899.9/18

Left In: 1613.084+/-0.367 χ^2/NDF : 180494.0/11

Left: 1601.833+/-0.253 χ^2/NDF : 411906.3/25

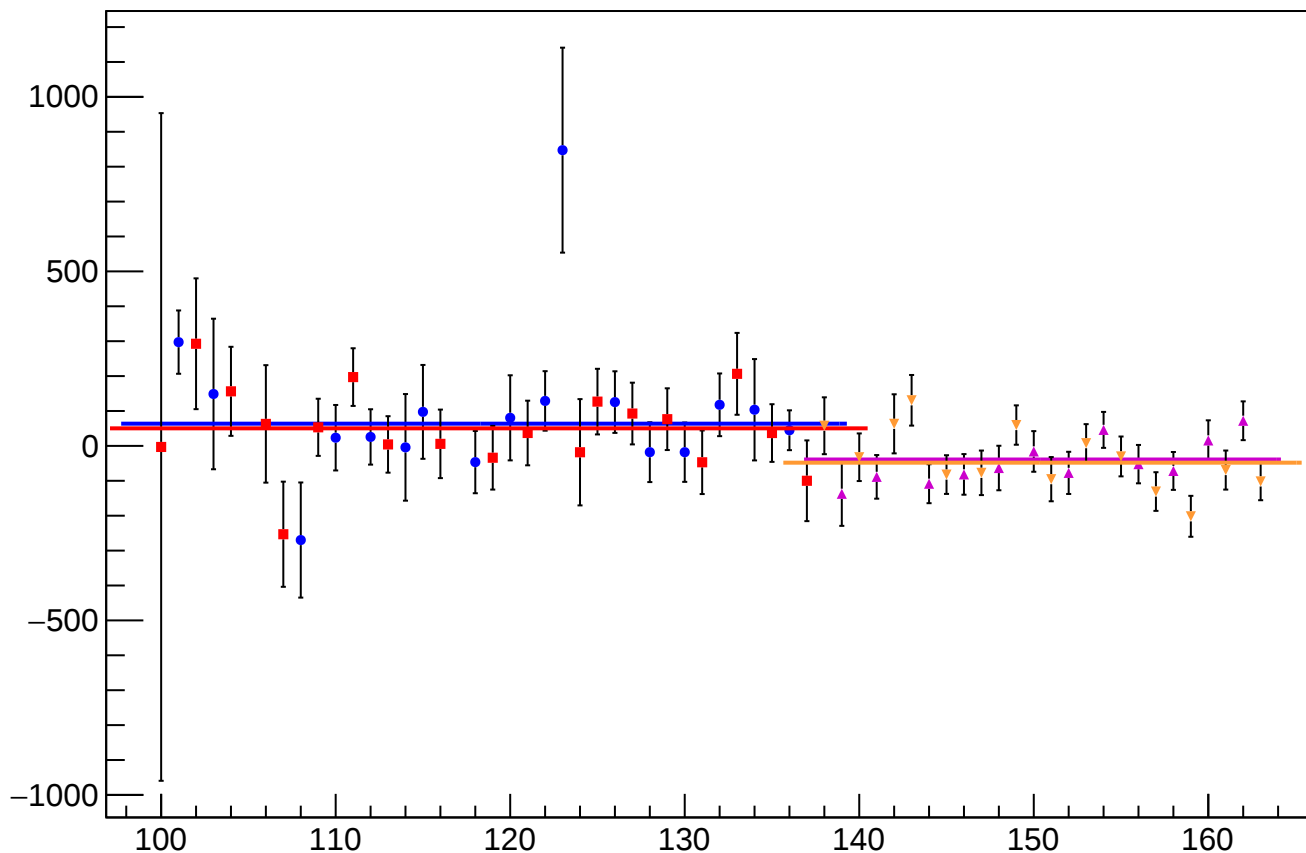
Right: 2361.583+/-0.463 χ^2/NDF : 1496334.9/35

In: 1776.738+/-0.319 χ^2/NDF : 1788031.8/28

Out: 1775.947+/-0.309 χ^2/NDF : 2192335.7/32

All: 1776.329+/-0.222 χ^2/NDF : 3980370.7/63

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: -48.085 $\pm$ 16.322 χ^2 /NDF:25.7/13

Right Out: 50.278 $\pm$ 23.661 χ^2 /NDF: 16.8/18

Left In: -39.012 $\pm$ 16.958 χ^2 /NDF:12.6/11

Left: -43.722 $\pm$ 11.760 χ^2 /NDF: 38.5/25

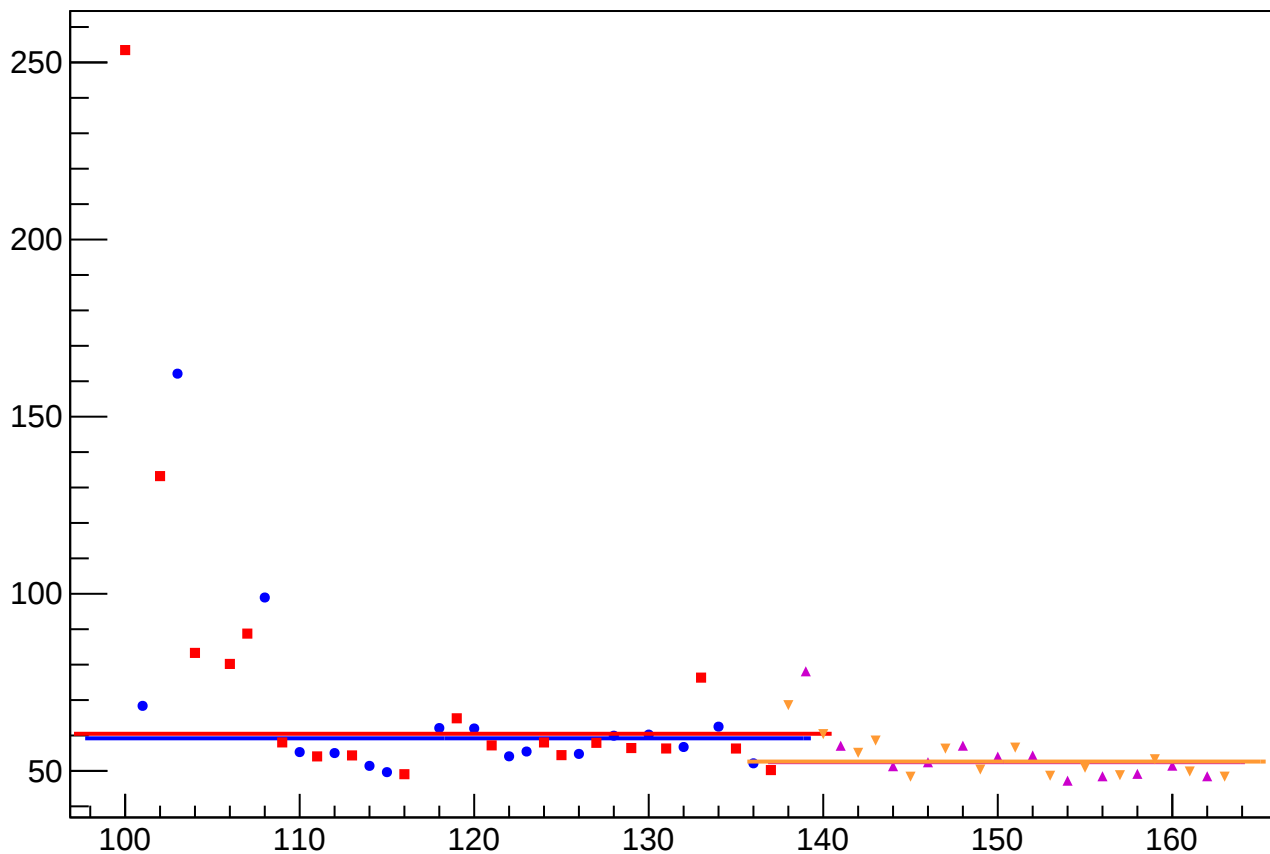
Right: 56.949 $\pm$ 16.760 χ^2 /NDF: 40.6/35

In: -4.328 $\pm$ 13.799 χ^2 /NDF:48.6/28

Out: -16.370 $\pm$ 13.436 χ^2 /NDF:54.2/32

All: -10.509 $\pm$ 9.626 χ^2 /NDF: 103.3/61

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 59.200 $\pm$ 0.017 χ^2 /NDF: 665472.4/16

Left Out: 52.638 $\pm$ 0.012 χ^2 /NDF: 186641.6/13

Right Out: 60.483 $\pm$ 0.017 χ^2 /NDF: 680059.5/18

Left In: 52.466 $\pm$ 0.012 χ^2 /NDF: 230839.5/11

Left: 52.556 $\pm$ 0.008 χ^2 /NDF: 417587.5/25

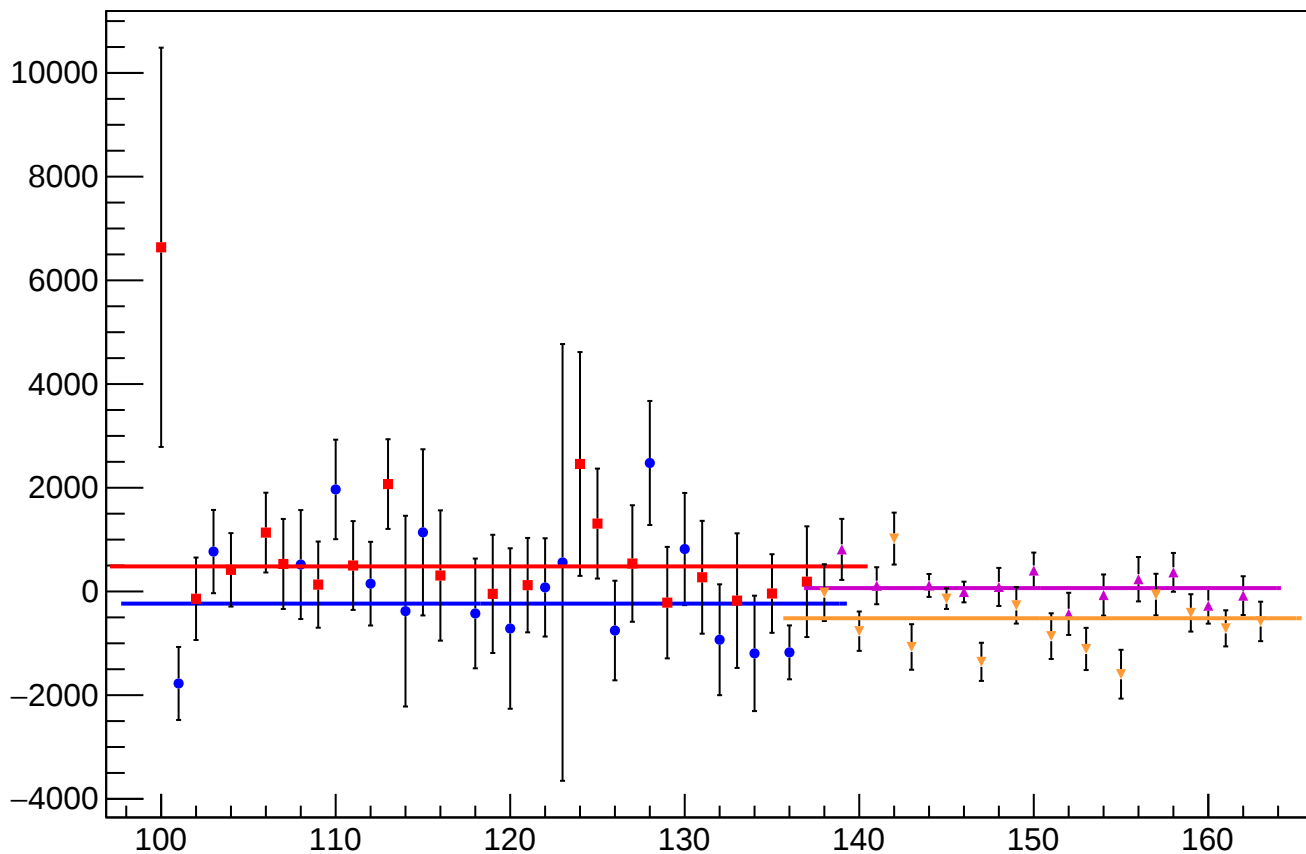
Right: 59.844 $\pm$ 0.012 χ^2 /NDF: 1348461.0/35

In: 54.741 $\pm$ 0.010 χ^2 /NDF: 1002850.5/28

Out: 55.168 $\pm$ 0.010 χ^2 /NDF: 1015672.0/32

All: 54.960 $\pm$ 0.007 χ^2 /NDF: 2019503.0/61

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -234.492 ± 233.880 χ^2/NDF : 24.2/16

Left Out: -516.752 ± 97.483 χ^2/NDF : 31.3/13

Right Out: 483.305 ± 222.314 χ^2/NDF : 10.6/18

Left In: 65.119 ± 94.212 χ^2/NDF : 6.3/11

Left: -215.892 ± 67.745 χ^2/NDF : 56.1/25

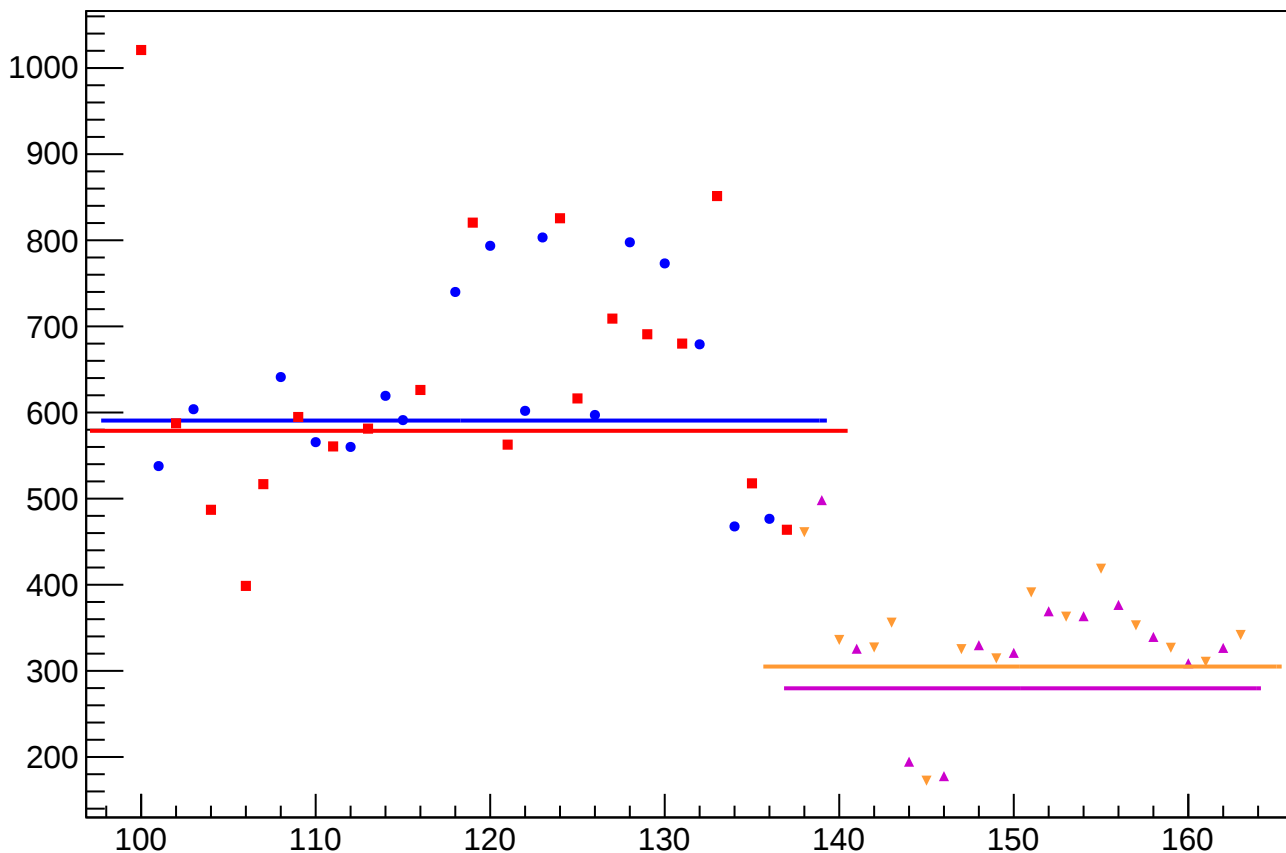
Right: 142.594 ± 161.133 χ^2/NDF : 39.7/35

In: 23.290 ± 87.388 χ^2/NDF : 31.9/28

Out: -355.475 ± 89.277 χ^2/NDF : 58.8/32

All: -162.045 ± 62.450 χ^2/NDF : 100.0/61

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: 305.021 $\pm$ 0.069 χ^2 /NDF:1398839.4/13

Right Out: 578.753 $\pm$ 0.157 χ^2 /NDF: 493962.7/18

Left In: 279.758 $\pm$ 0.067 χ^2 /NDF:1579731.4/11

Left: 291.958 $\pm$ 0.048 χ^2 /NDF: 3048022.1/25

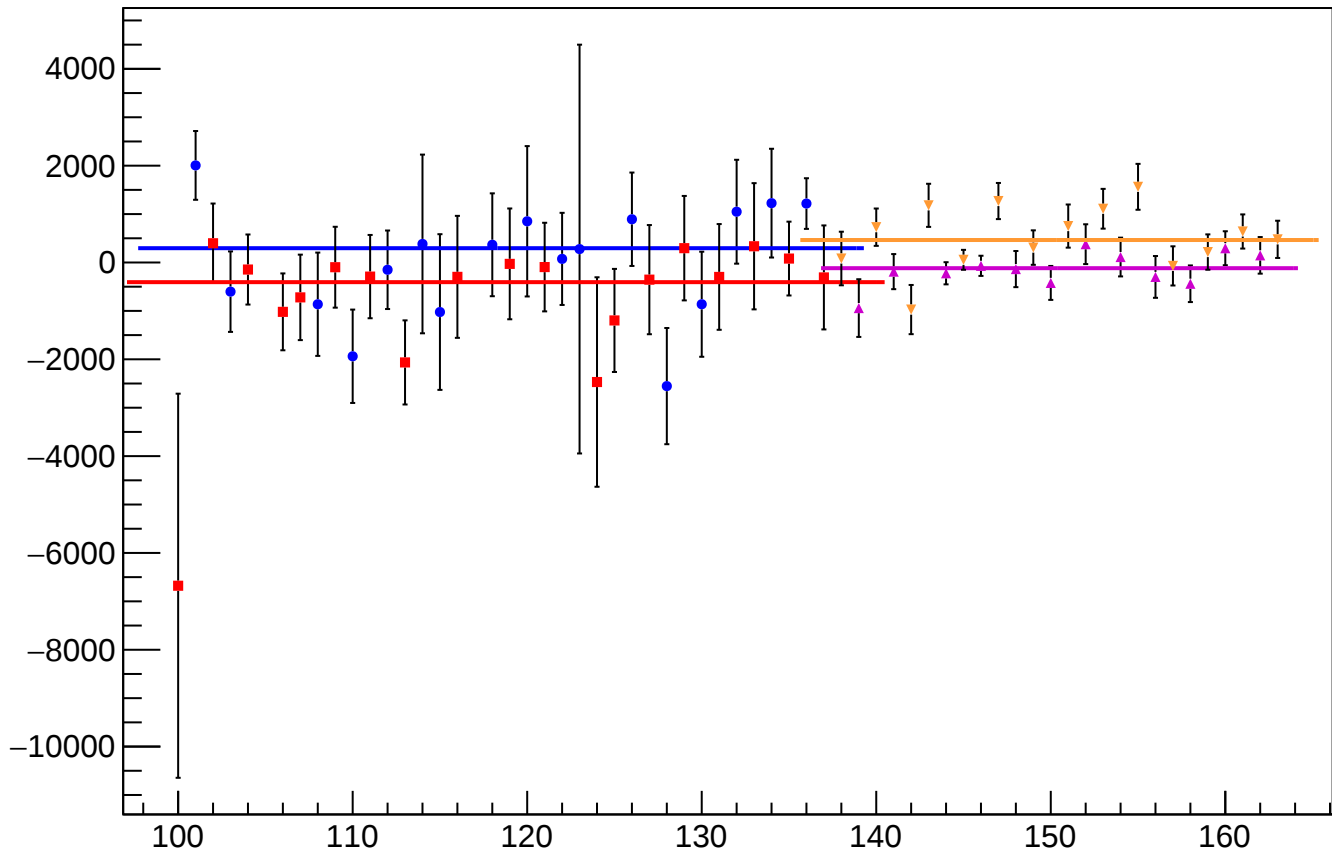
Right: 584.404 $\pm$ 0.114 χ^2 /NDF: 848765.8/35

In: 323.163 $\pm$ 0.062 χ^2 /NDF:4972586.6/28

Out: 349.165 $\pm$ 0.063 χ^2 /NDF:4435955.1/32

All: 335.886 $\pm$ 0.044 χ^2 /NDF: 9495178.6/61

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 295.401 $\pm$ 235.860 χ^2 /NDF: 26.1/16

Left Out: 464.230 $\pm$ 99.299 χ^2 /NDF:31.1/13

Right Out: -406.158 $\pm$ 224.855 χ^2 /NDF: 11.0/18

Left In: -117.601 $\pm$ 96.437 χ^2 /NDF:7.5/11

Left: 164.806 $\pm$ 69.181 χ^2 /NDF: 56.2/25

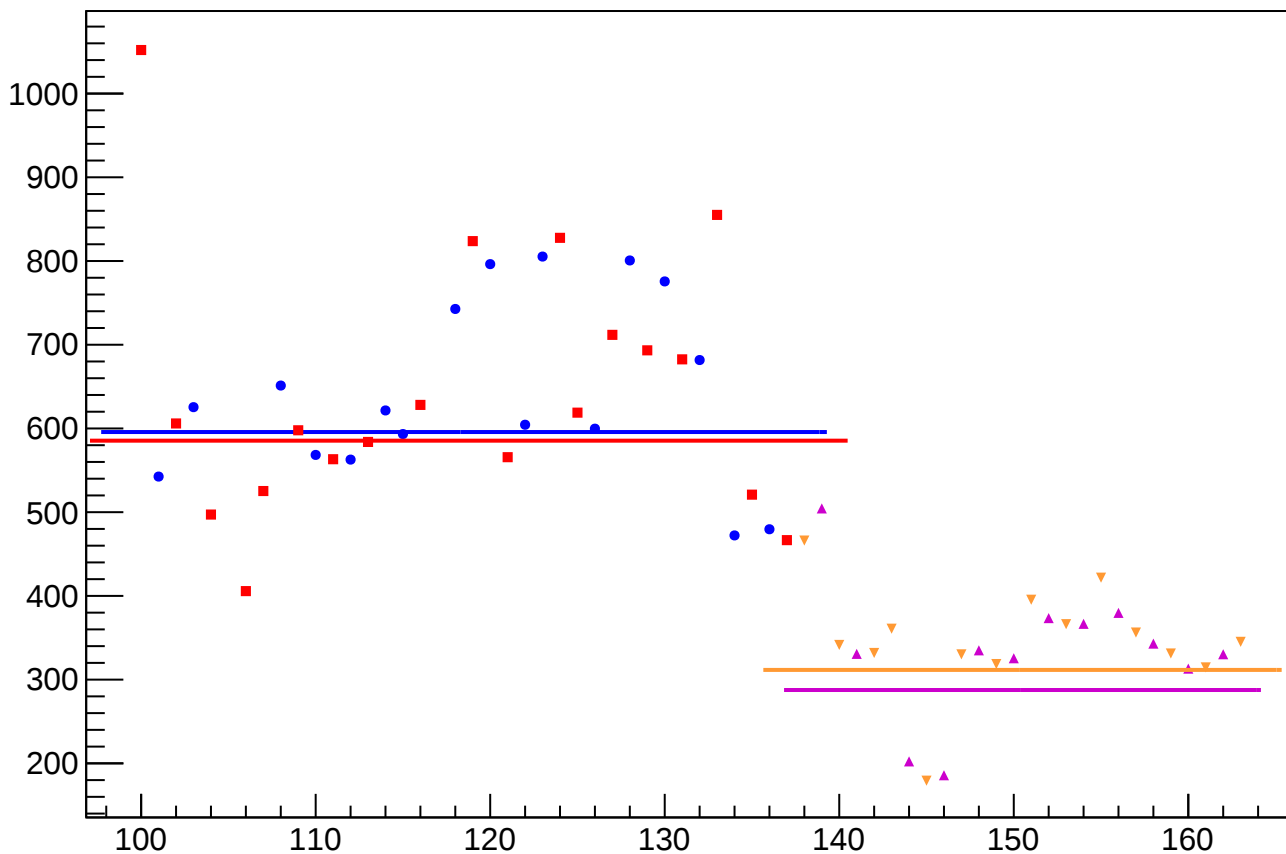
Right: -72.128 $\pm$ 162.748 χ^2 /NDF: 41.7/35

In: -58.446 $\pm$ 89.263 χ^2 /NDF:36.3/28

Out: 322.185 $\pm$ 90.836 χ^2 /NDF:54.6/32

All: 128.546 $\pm$ 63.668 χ^2 /NDF: 99.8/61

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 595.734+/-0.167 χ^2/NDF : 350058.2/16

Left Out: 311.601+/-0.070 χ^2/NDF :1288263.4/13

Right Out: 585.421+/-0.159 χ^2/NDF : 474472.3/18

Left In: 287.611+/-0.068 χ^2/NDF :1440106.1/11

Left: 299.255+/-0.049 χ^2/NDF : 2788443.9/25

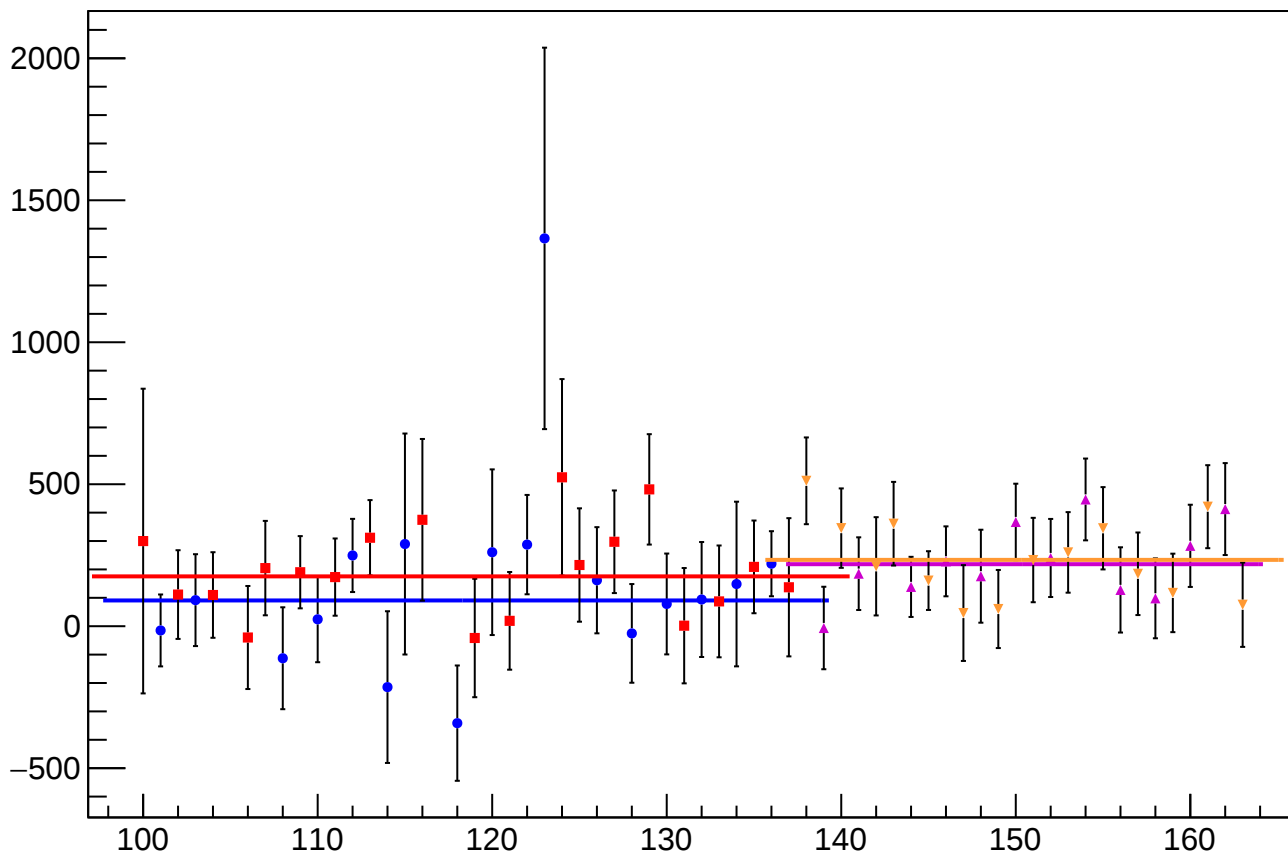
Right: 590.331+/-0.115 χ^2/NDF : 826533.5/35

In: 331.743+/-0.063 χ^2/NDF :4714531.2/28

Out: 356.288+/-0.064 χ^2/NDF :4244617.0/32

All: 343.801+/-0.045 χ^2/NDF : 9033432.3/61

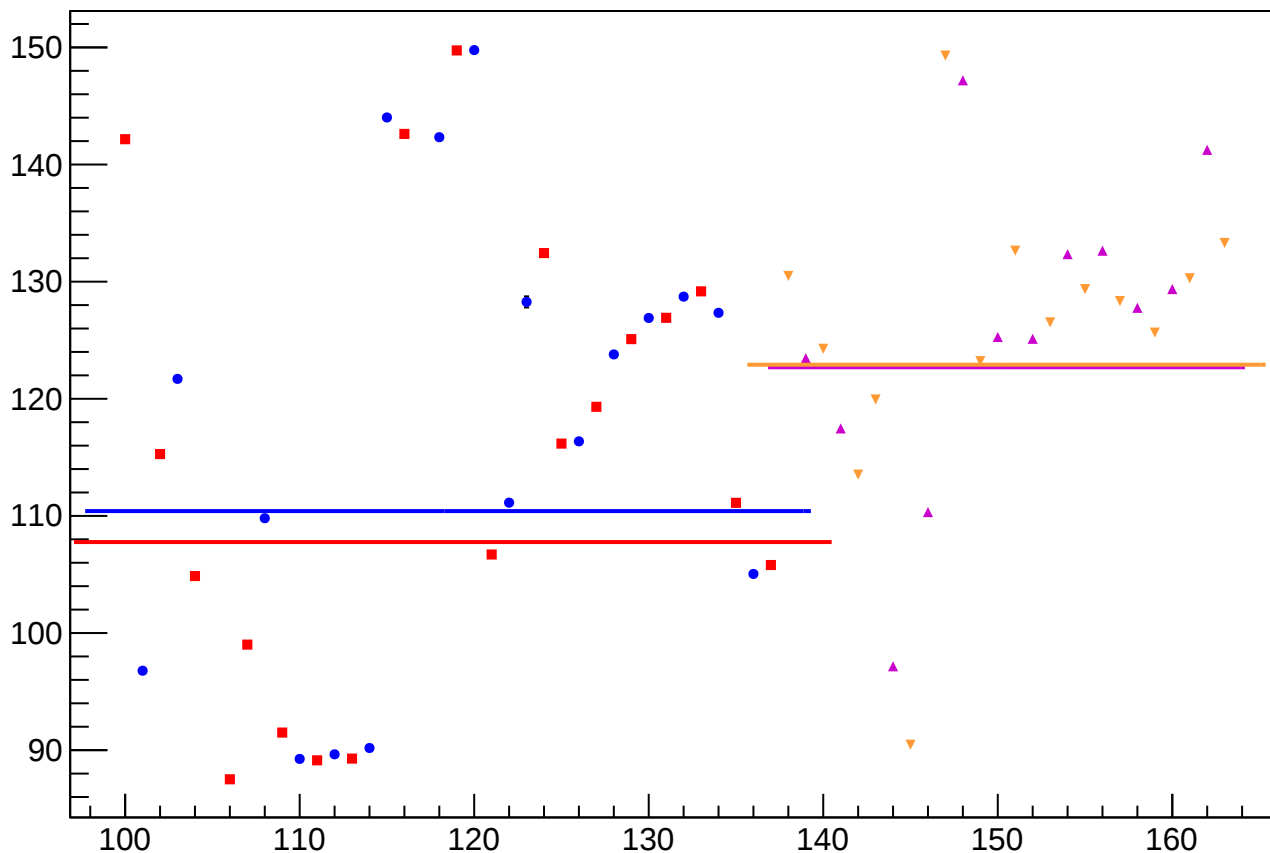
reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 90.711+/-43.312 χ^2/NDF : 16.9/16
 Left Out: 233.623+/-38.087 χ^2/NDF :12.3/13
 Right Out: 175.485+/-41.101 χ^2/NDF : 10.3/18
 Left In: 218.404+/-39.594 χ^2/NDF :9.6/11

Left: 226.308+/-27.449 χ^2/NDF : 21.9/25
 Right: 135.317+/-29.814 χ^2/NDF : 29.2/35
 In: 160.274+/-29.223 χ^2/NDF :31.2/28
 Out: 206.763+/-27.936 χ^2/NDF :23.6/32
 All: 184.565+/-20.194 χ^2/NDF : 56.2/61

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 110.411 ± 0.031 $\chi^2/\text{NDF}: 296425.4/16$

Left Out: 122.910 ± 0.027 $\chi^2/\text{NDF}: 289782.9/13$

Right Out: 107.768 ± 0.029 $\chi^2/\text{NDF}: 344441.4/18$

Left In: 122.692 ± 0.028 $\chi^2/\text{NDF}: 236971.9/11$

Left: 122.805 ± 0.019 $\chi^2/\text{NDF}: 526786.4/25$

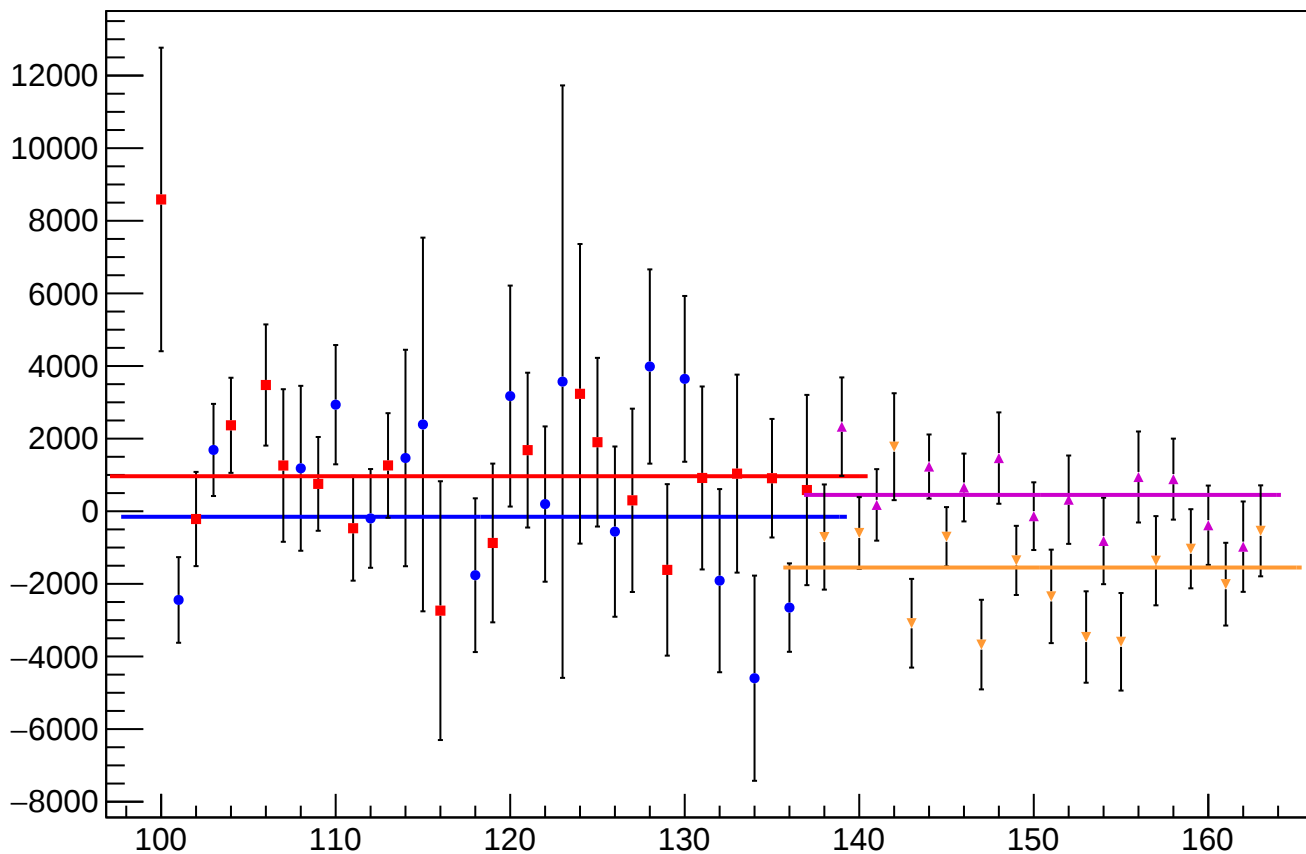
Right: 109.020 ± 0.021 $\chi^2/\text{NDF}: 644787.1/35$

In: 117.101 ± 0.021 $\chi^2/\text{NDF}: 620985.7/28$

Out: 115.914 ± 0.020 $\chi^2/\text{NDF}: 780270.7/32$

All: 116.481 ± 0.014 $\chi^2/\text{NDF}: 1402980.4/61$

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -152.403+/-464.753 χ^2/NDF : 24.7/16

Left Out: -1549.988+/-307.306 χ^2/NDF : 18.1/13

Right Out: 964.716+/-435.111 χ^2/NDF : 12.3/18

Left In: 450.066+/-314.800 χ^2/NDF : 7.2/11

Left: -574.048+/-219.900 χ^2/NDF : 46.0/25

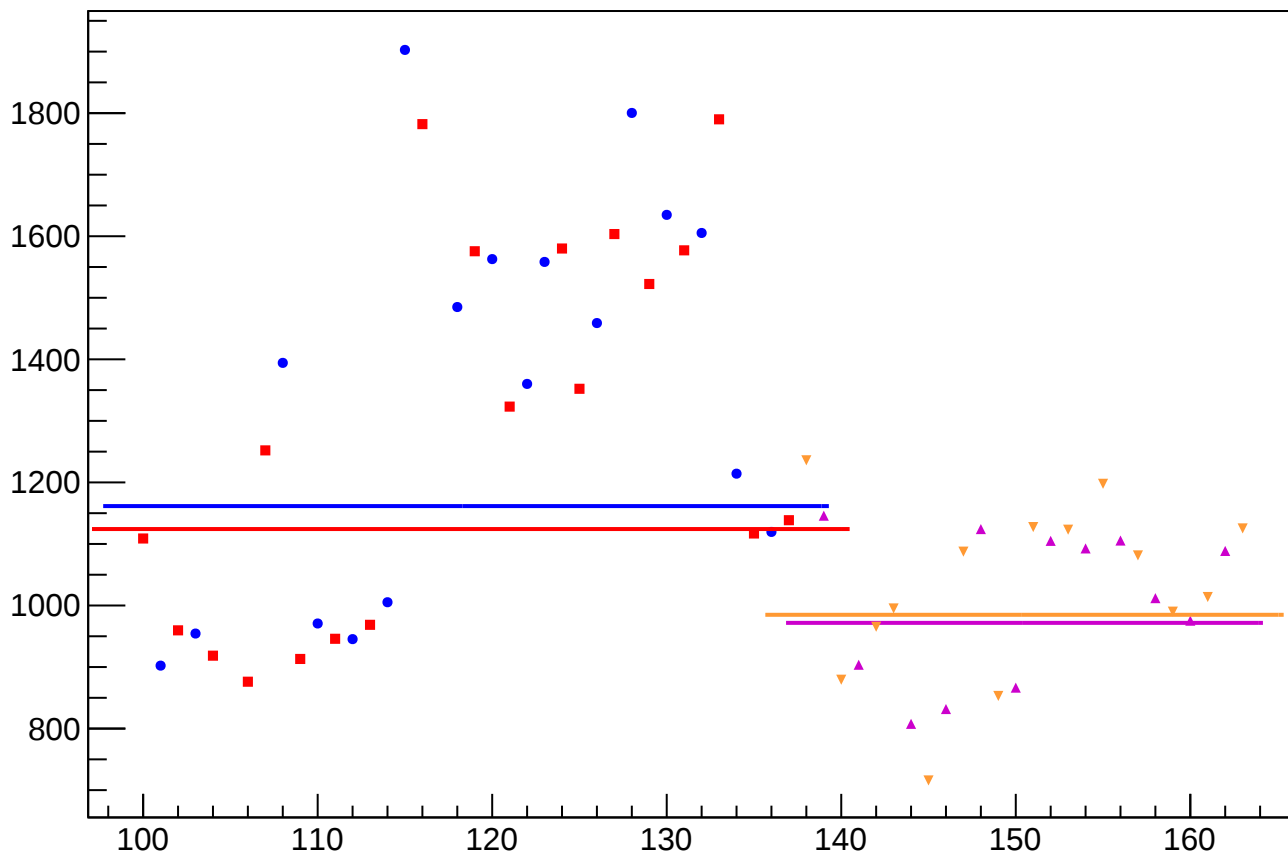
Right: 442.914+/-317.632 χ^2/NDF : 40.0/35

In: 260.586+/-260.637 χ^2/NDF : 33.0/28

Out: -713.076+/-251.013 χ^2/NDF : 52.7/32

All: -244.552+/-180.800 χ^2/NDF : 93.0/61

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: 984.894 $\pm$ 0.217 χ^2 /NDF: 489859.2/13

Right Out: 1124.235 $\pm$ 0.308 χ^2 /NDF: 767790.0/18

Left In: 971.784 $\pm$ 0.223 χ^2 /NDF: 299014.4/11

Left: 978.497 $\pm$ 0.155 χ^2 /NDF: 790650.0/25

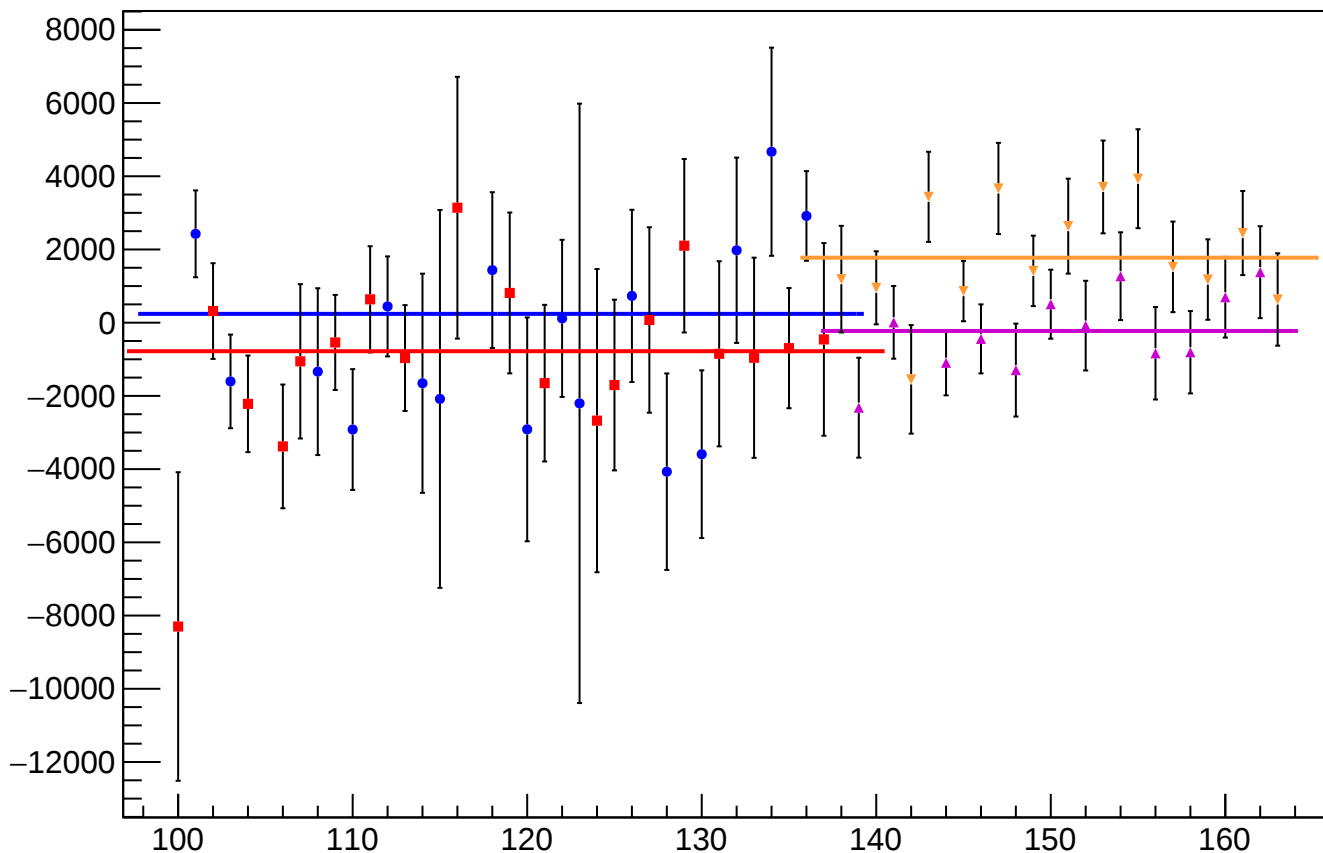
Right: 1141.655 $\pm$ 0.225 χ^2 /NDF: 1470560.5/35

In: 1031.460 $\pm$ 0.184 χ^2 /NDF: 1223448.9/28

Out: 1031.268 $\pm$ 0.177 χ^2 /NDF: 1394495.3/32

All: 1031.360 $\pm$ 0.128 χ^2 /NDF: 2617944.7/63

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 240.732 ± 467.036 $\chi^2/\text{NDF}: 24.8/16$

Left Out: 1775.402 ± 309.782 $\chi^2/\text{NDF}: 18.2/13$

Right Out: -779.192 ± 437.487 $\chi^2/\text{NDF}: 12.3/18$

Left In: -225.760 ± 317.388 $\chi^2/\text{NDF}: 9.1/11$

Left: 799.086 ± 221.689 $\chi^2/\text{NDF}: 47.7/25$

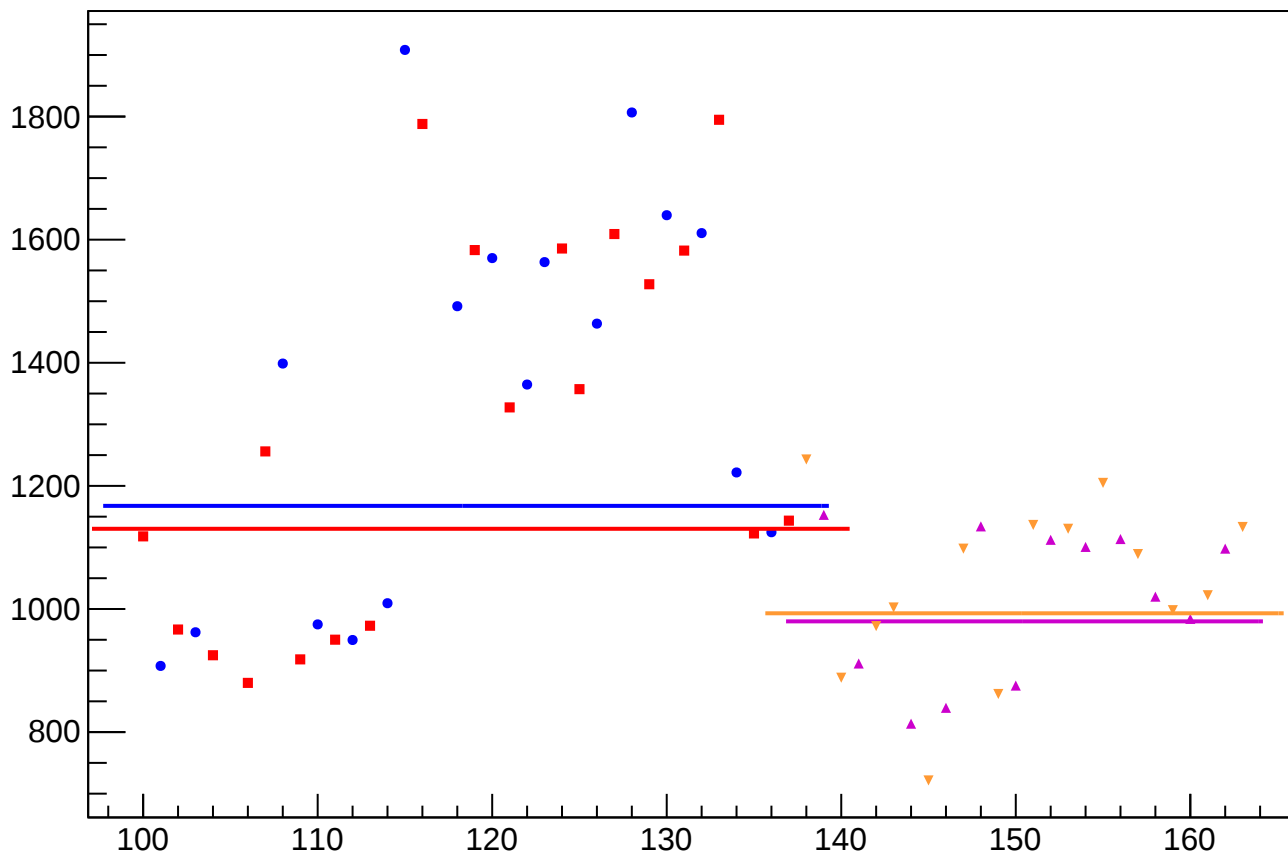
Right: -302.513 ± 319.286 $\chi^2/\text{NDF}: 39.7/35$

In: -78.384 ± 262.508 $\chi^2/\text{NDF}: 34.6/28$

Out: 922.285 ± 252.818 $\chi^2/\text{NDF}: 53.2/32$

All: 440.759 ± 182.099 $\chi^2/\text{NDF}: 95.4/61$

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1167.539 $\pm$ 0.330 χ^2/NDF : 690485.6/16

Left Out: 993.018 $\pm$ 0.219 χ^2/NDF : 485054.3/13

Right Out: 1130.301 $\pm$ 0.309 χ^2/NDF : 761503.6/18

Left In: 979.905 $\pm$ 0.224 χ^2/NDF : 296542.0/11

Left: 986.621 $\pm$ 0.157 χ^2/NDF : 783344.8/25

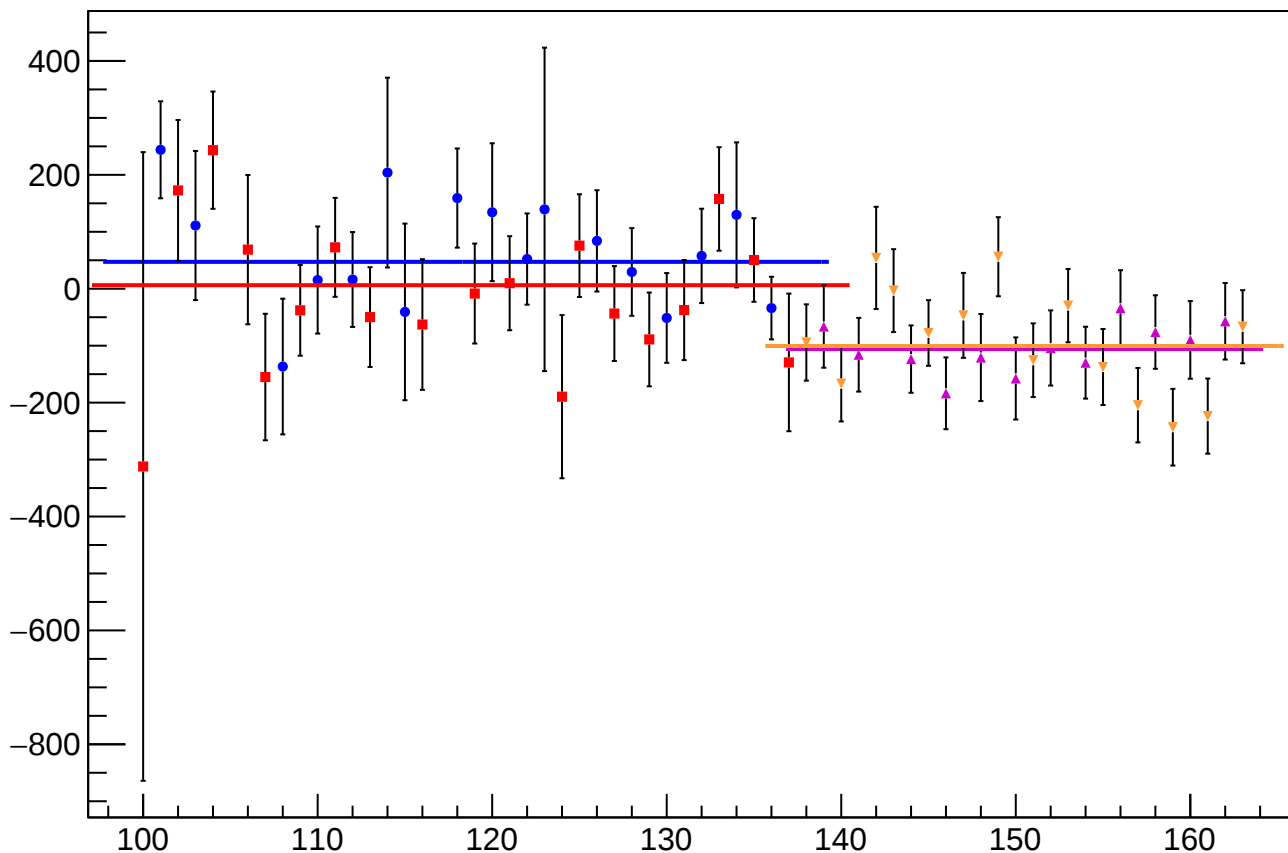
Right: 1147.705 $\pm$ 0.226 χ^2/NDF : 1458761.3/35

In: 1039.183 $\pm$ 0.186 χ^2/NDF : 1207855.1/28

Out: 1038.864 $\pm$ 0.179 χ^2/NDF : 1377727.6/32

All: 1039.018 $\pm$ 0.129 χ^2/NDF : 2585584.2/63

reg_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 47.220 ± 22.565 $\chi^2/\text{NDF}: 16.1/16$

Left Out: -100.569 ± 18.011 $\chi^2/\text{NDF}: 24.0/13$

Right Out: 6.246 ± 22.128 $\chi^2/\text{NDF}: 20.3/18$

Left In: -105.885 ± 19.200 $\chi^2/\text{NDF}: 4.6/11$

Left: -103.057 ± 13.136 $\chi^2/\text{NDF}: 28.6/25$

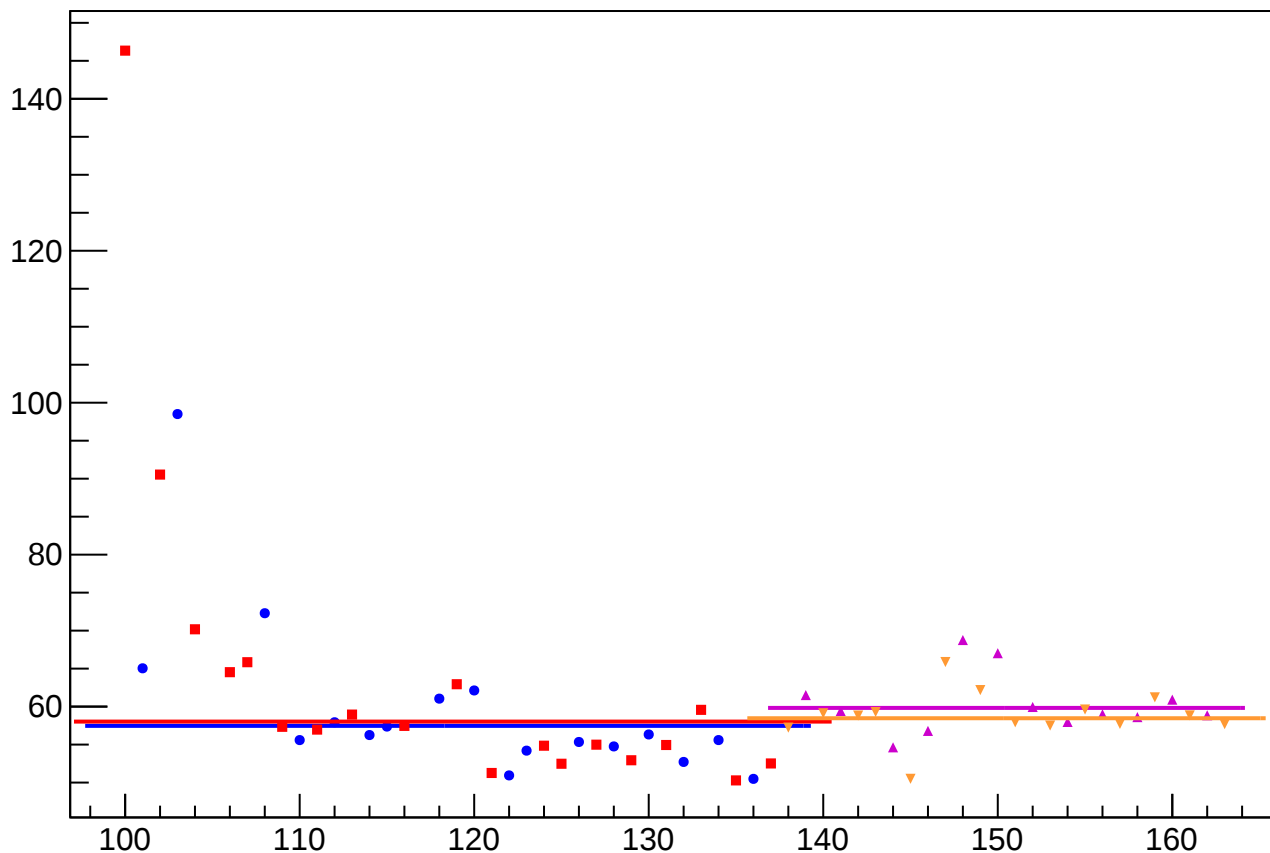
Right: 26.333 ± 15.799 $\chi^2/\text{NDF}: 38.1/35$

In: -41.588 ± 14.623 $\chi^2/\text{NDF}: 47.4/28$

Out: -58.002 ± 13.969 $\chi^2/\text{NDF}: 58.3/32$

All: -50.170 ± 10.101 $\chi^2/\text{NDF}: 106.3/61$

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: 58.468 ± 0.013 χ^2/NDF : 69945.5/13

Right Out: 58.027 ± 0.016 χ^2/NDF : 300788.2/18

Left In: 59.828 ± 0.014 χ^2/NDF : 72097.5/11

Left: 59.104 ± 0.009 χ^2/NDF : 147381.1/25

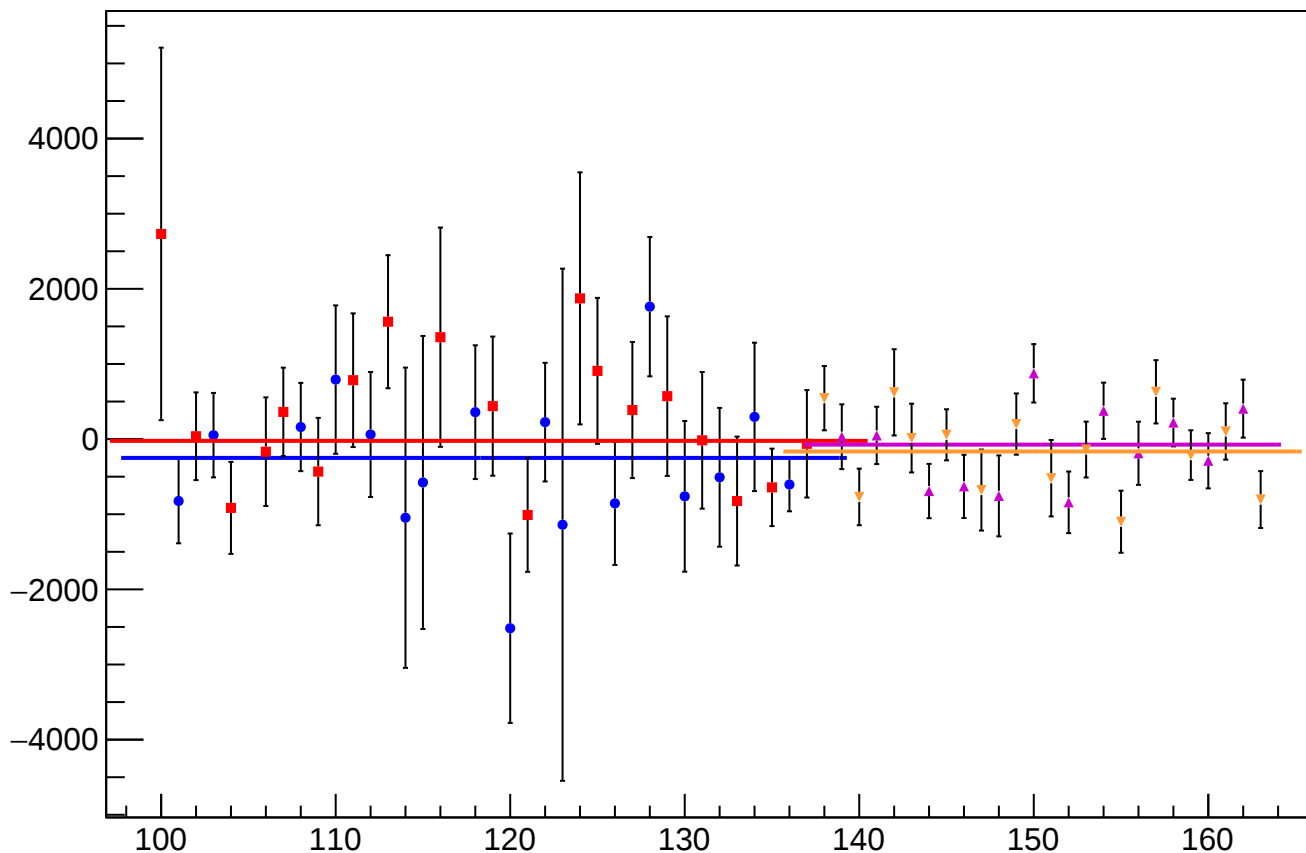
Right: 57.752 ± 0.011 χ^2/NDF : 608576.3/35

In: 58.836 ± 0.010 χ^2/NDF : 391970.7/28

Out: 58.292 ± 0.010 χ^2/NDF : 371210.9/32

All: 58.552 ± 0.007 χ^2/NDF : 764626.6/61

asym_sam_13_57_dd_correction_mean vs Slug, Sign Corrected



Right In: -250.140 ± 184.092 $\chi^2/\text{NDF}: 14.3/16$

Left Out: -164.665 ± 108.906 $\chi^2/\text{NDF}: 22.1/13$

Right Out: -23.314 ± 181.834 $\chi^2/\text{NDF}: 16.1/18$

Left In: -73.475 ± 112.934 $\chi^2/\text{NDF}: 20.2/11$

Left: -120.725 ± 78.394 $\chi^2/\text{NDF}: 42.6/25$

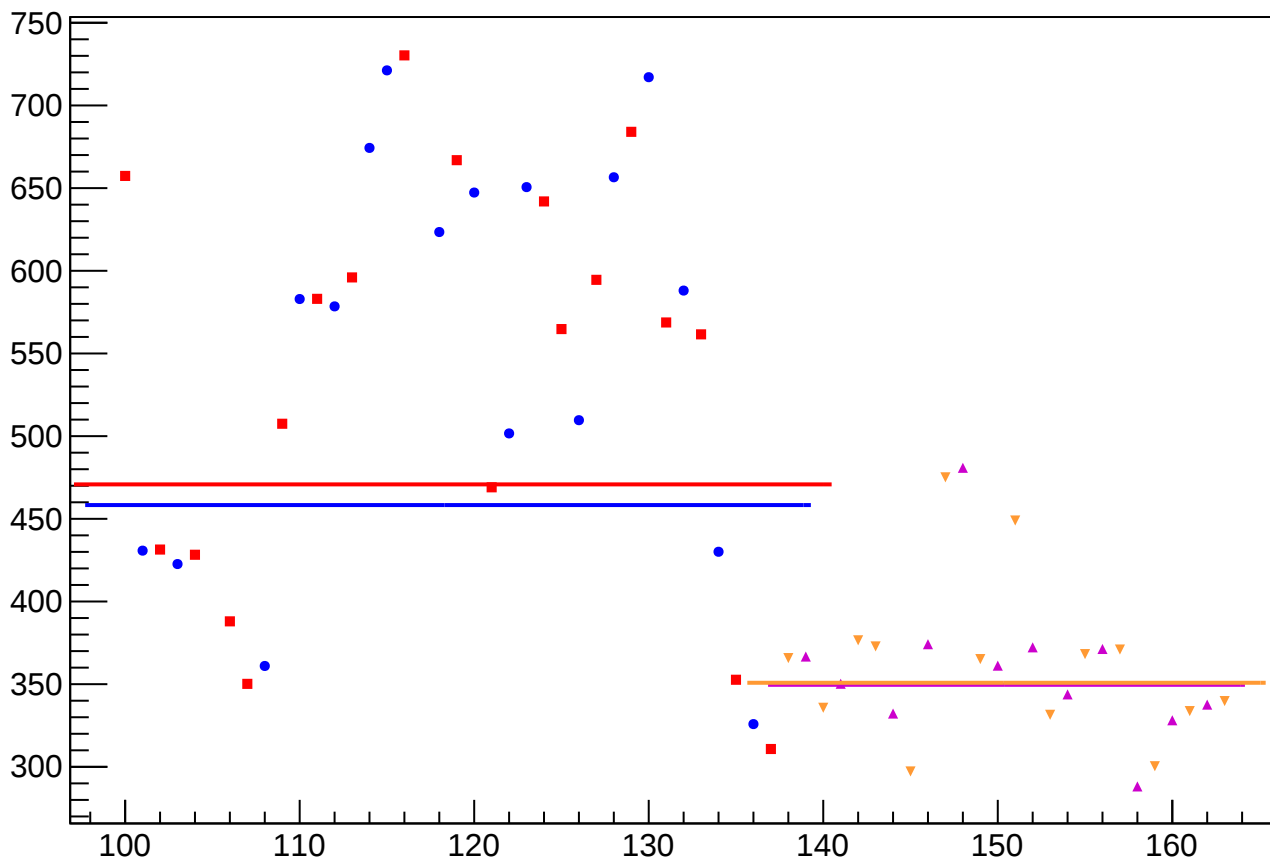
Right: -135.327 ± 129.367 $\chi^2/\text{NDF}: 31.1/35$

In: -121.782 ± 96.264 $\chi^2/\text{NDF}: 35.1/28$

Out: -127.347 ± 93.430 $\chi^2/\text{NDF}: 38.6/32$

All: -124.647 ± 67.044 $\chi^2/\text{NDF}: 73.7/61$

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected



Right In: 458.324+/-0.130 χ^2/NDF : 877201.7/16

Left Out: 350.851+/-0.077 χ^2/NDF : 313423.5/13

Right Out: 470.827+/-0.129 χ^2/NDF : 778635.2/18

Left In: 349.608+/-0.080 χ^2/NDF : 230774.6/11

Left: 350.252+/-0.055 χ^2/NDF : 544323.5/25

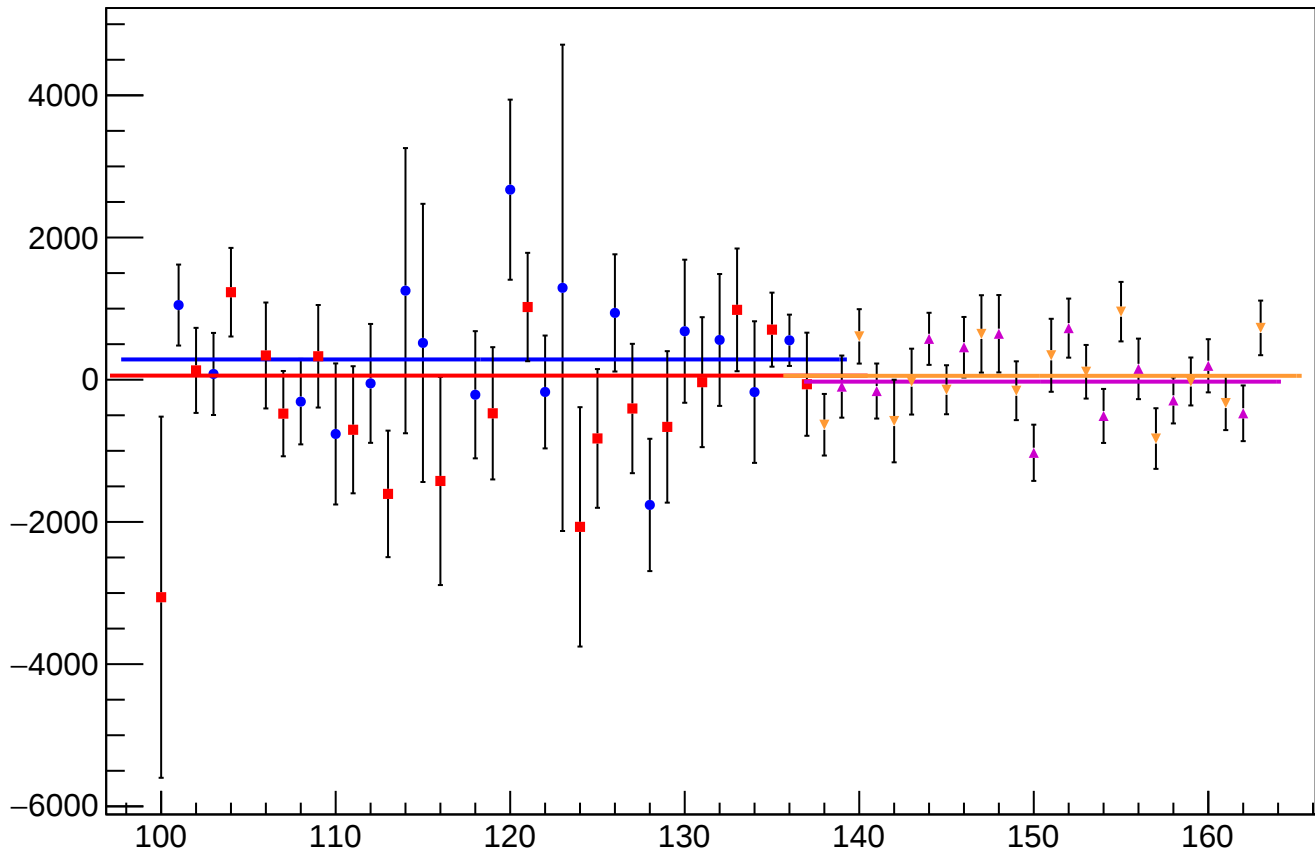
Right: 464.653+/-0.091 χ^2/NDF : 1660506.8/35

In: 379.335+/-0.068 χ^2/NDF : 1614759.9/28

Out: 382.526+/-0.066 χ^2/NDF : 1732889.8/32

All: 380.978+/-0.047 χ^2/NDF : 3348781.2/61

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: 55.056 $\pm$ 110.474 χ^2 /NDF:21.0/13

Right Out: 58.001 $\pm$ 184.074 χ^2 /NDF: 19.2/18

Left In: -27.139 $\pm$ 114.633 χ^2 /NDF:19.5/11

Left: 15.476 $\pm$ 79.546 χ^2 /NDF: 40.8/25

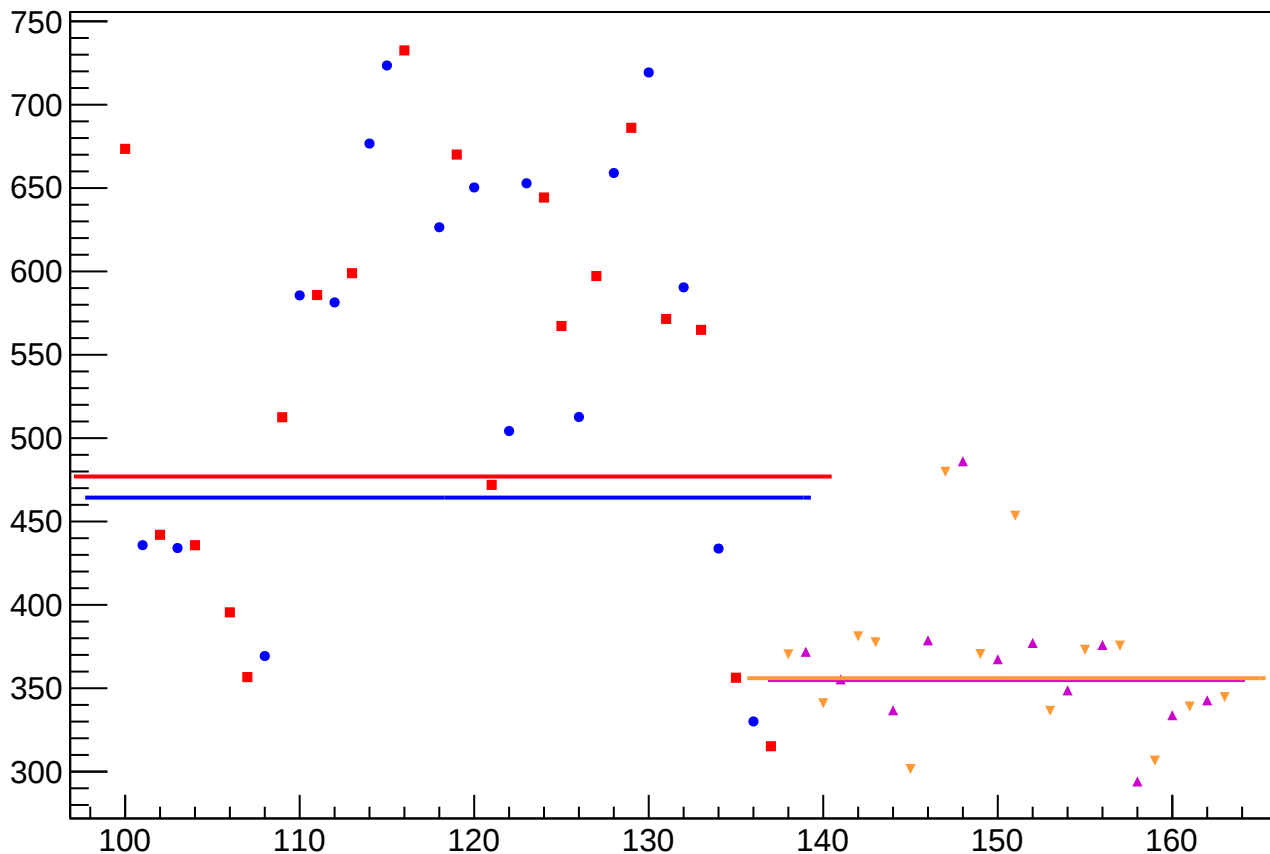
Right: 170.332 $\pm$ 130.927 χ^2 /NDF: 35.1/35

In: 58.706 $\pm$ 97.626 χ^2 /NDF:36.7/28

Out: 55.836 $\pm$ 94.724 χ^2 /NDF:40.2/32

All: 57.227 $\pm$ 67.983 χ^2 /NDF: 76.9/61

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: 356.028 $\pm$ 0.078 χ^2 /NDF: 302847.9/13

Right Out: 476.989 $\pm$ 0.130 χ^2 /NDF: 749331.1/18

Left In: 354.981 $\pm$ 0.081 χ^2 /NDF: 222331.6/11

Left: 355.524 $\pm$ 0.056 χ^2 /NDF: 525266.2/25

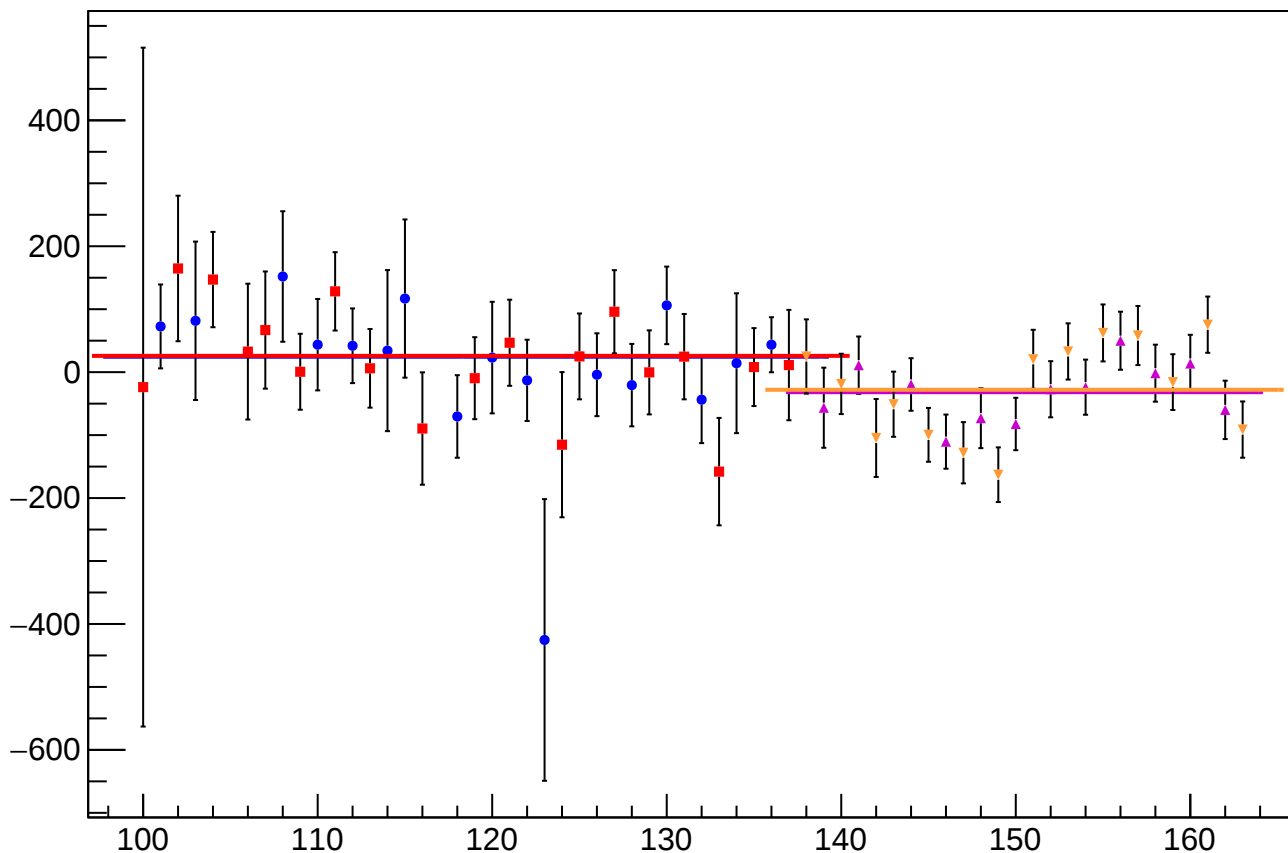
Right: 470.740 $\pm$ 0.093 χ^2 /NDF: 1599897.5/35

In: 385.023 $\pm$ 0.069 χ^2 /NDF: 1568279.7/28

Out: 388.060 $\pm$ 0.067 χ^2 /NDF: 1687119.2/32

All: 386.587 $\pm$ 0.048 χ^2 /NDF: 3256395.6/61

reg_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 24.584+/-17.839 χ^2/NDF : 13.0/16

Left Out: -27.987+/-12.631 χ^2/NDF : 37.0/13

Right Out: 25.884+/-17.386 χ^2/NDF : 16.8/18

Left In: -31.794+/-13.143 χ^2/NDF : 11.7/11

Left: -29.815+/-9.107 χ^2/NDF : 48.7/25

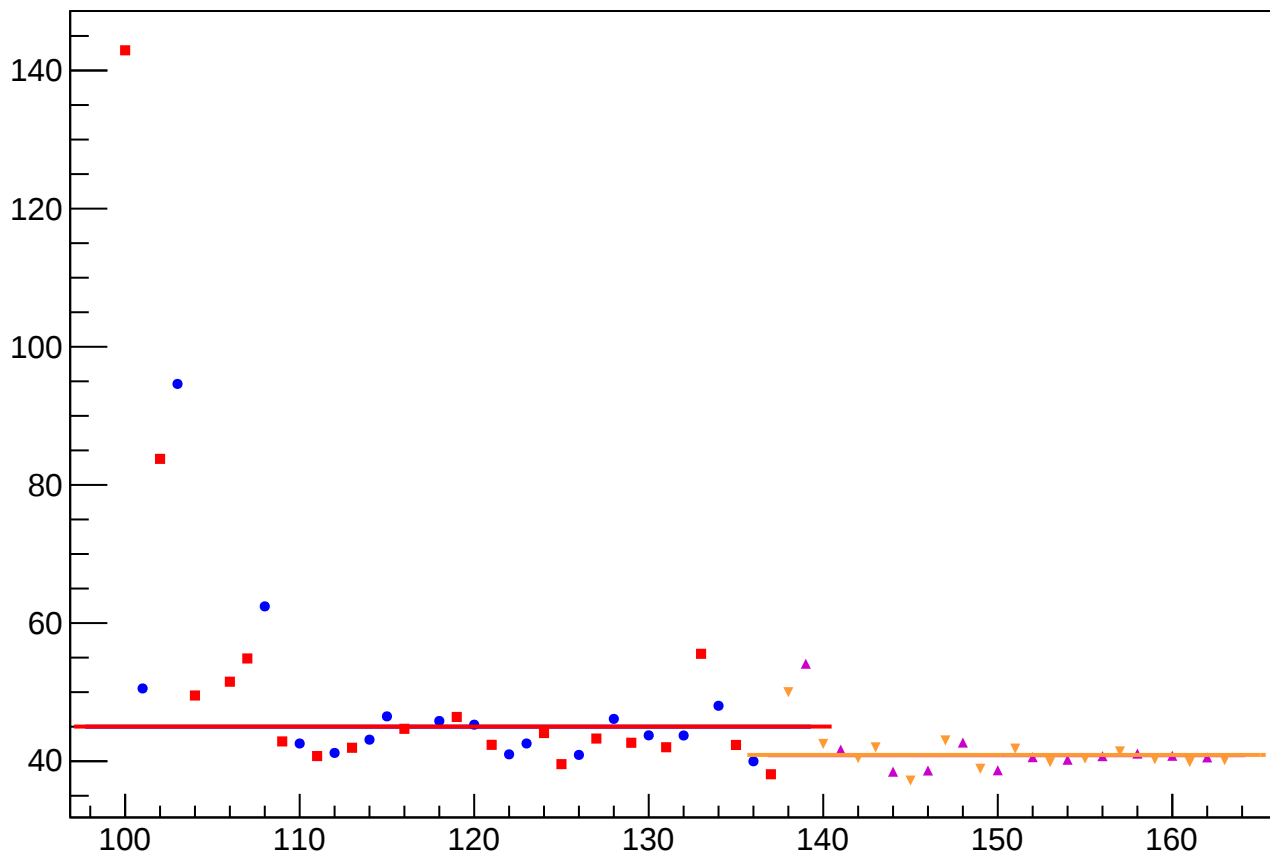
Right: 25.251+/-12.451 χ^2/NDF : 29.8/35

In: -11.959+/-10.581 χ^2/NDF : 31.2/28

Out: -9.377+/-10.219 χ^2/NDF : 60.0/32

All: -10.623+/-7.351 χ^2/NDF : 91.2/61

reg_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 45.001 $\pm$ 0.013 χ^2 /NDF: 438352.8/16

Left Out: 40.913 $\pm$ 0.009 χ^2 /NDF: 78107.7/13

Right Out: 45.017 $\pm$ 0.012 χ^2 /NDF: 415509.0/18

Left In: 40.876 $\pm$ 0.009 χ^2 /NDF: 108324.6/11

Left: 40.895 $\pm$ 0.006 χ^2 /NDF: 186440.8/25

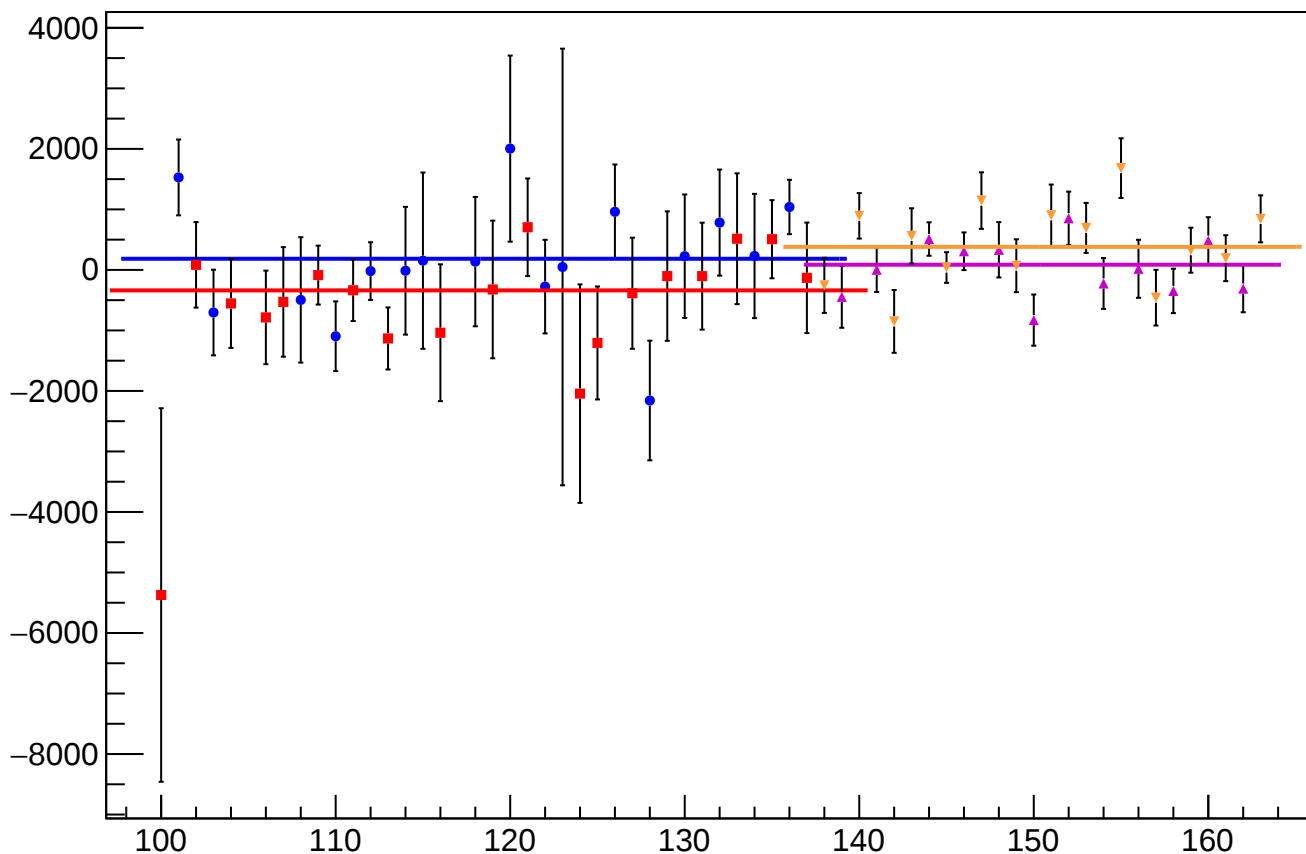
Right: 45.009 $\pm$ 0.009 χ^2 /NDF: 853862.6/35

In: 42.327 $\pm$ 0.007 χ^2 /NDF: 616010.8/28

Out: 42.331 $\pm$ 0.007 χ^2 /NDF: 566546.9/32

All: 42.329 $\pm$ 0.005 χ^2 /NDF: 1182557.8/61

asym_sam_15_37_dd_correction_mean vs Slug, Sign Corrected



Right In: 184.184+/-188.558 χ^2/NDF : 24.2/16

Left Out: 381.108+/-108.341 χ^2/NDF :28.2/13

Right Out: -338.329+/-179.381 χ^2/NDF : 12.5/18

Left In: 85.751+/-111.294 χ^2/NDF :16.0/11

Left: 237.400+/-77.631 χ^2/NDF : 47.8/25

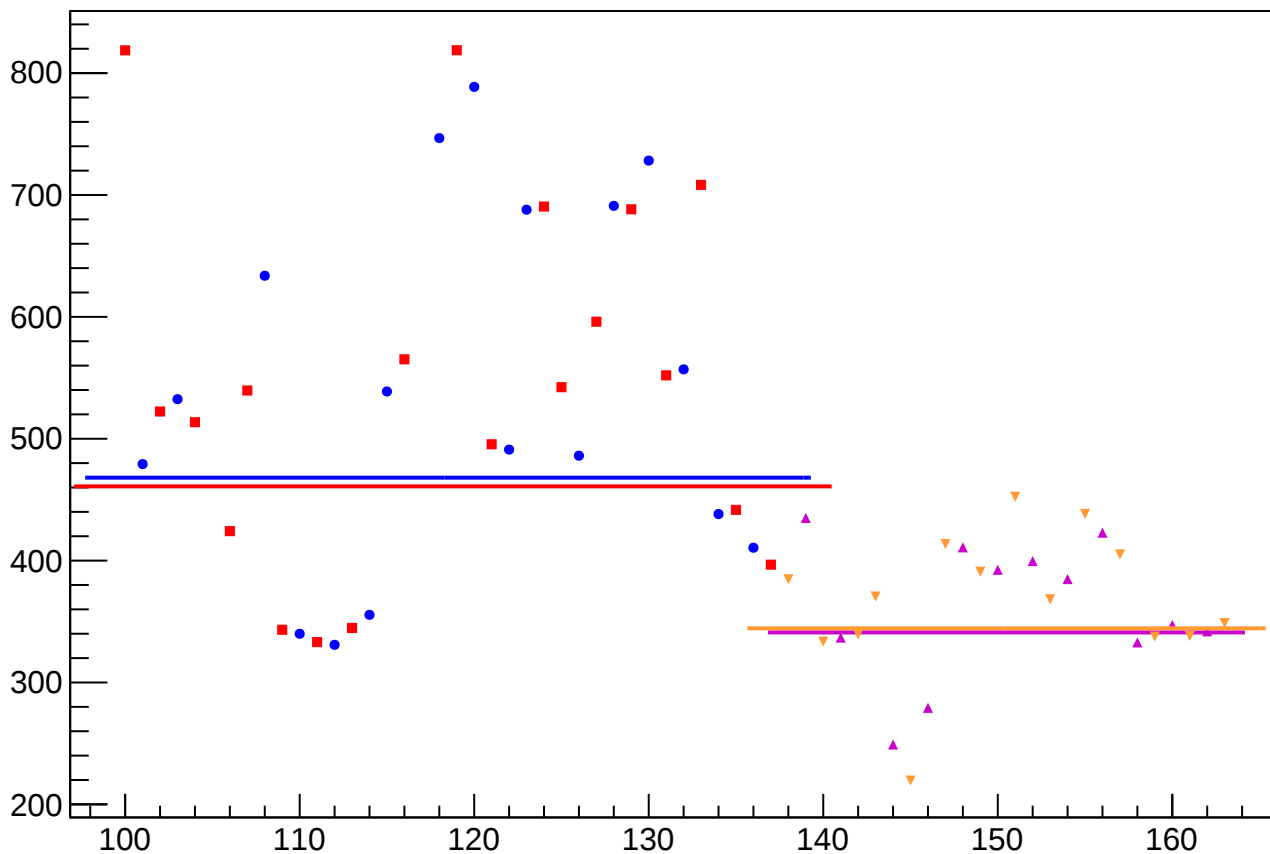
Right: -90.096+/-129.965 χ^2/NDF : 40.7/35

In: 111.183+/-95.844 χ^2/NDF :40.4/28

Out: 188.816+/-92.739 χ^2/NDF :52.5/32

All: 151.278+/-66.647 χ^2/NDF : 93.2/61

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 468.071+/-0.133 χ^2/NDF : 880319.3/16

Left Out: 344.448+/-0.077 χ^2/NDF : 782895.9/13

Right Out: 460.939+/-0.127 χ^2/NDF : 955028.5/18

Left In: 341.075+/-0.079 χ^2/NDF : 561251.3/11

Left: 342.807+/-0.055 χ^2/NDF : 1345090.5/25

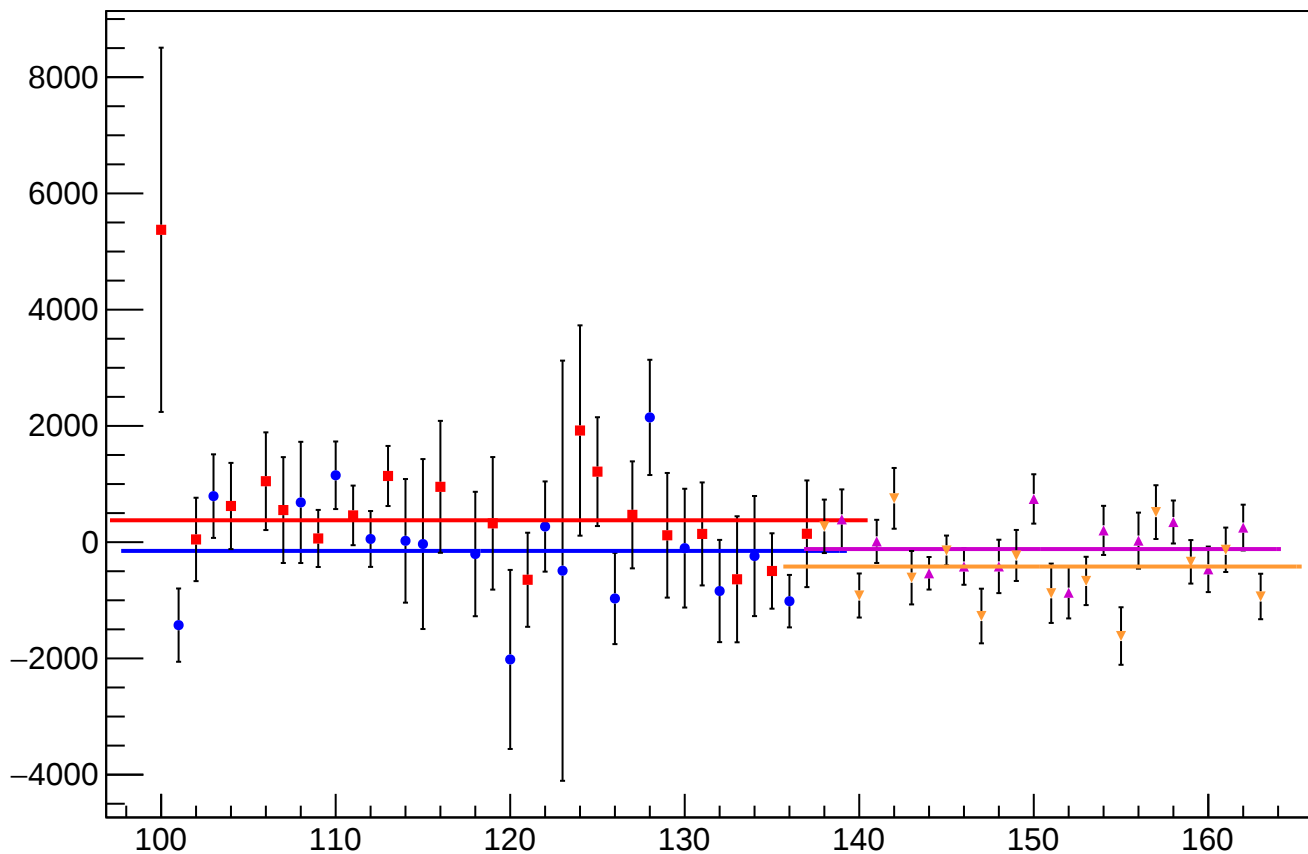
Right: 464.328+/-0.092 χ^2/NDF : 1836849.7/35

In: 373.887+/-0.068 χ^2/NDF : 2114411.0/28

Out: 375.584+/-0.066 χ^2/NDF : 2355941.7/32

All: 374.763+/-0.047 χ^2/NDF : 4470676.6/61

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -150.305+/-189.729 χ^2/NDF : 24.2/16

Left Out: -419.412+/-109.191 χ^2/NDF : 27.3/13

Right Out: 376.554+/-181.258 χ^2/NDF : 12.4/18

Left In: -118.528+/-112.168 χ^2/NDF : 15.6/11

Left: -273.016+/-78.241 χ^2/NDF : 46.6/25

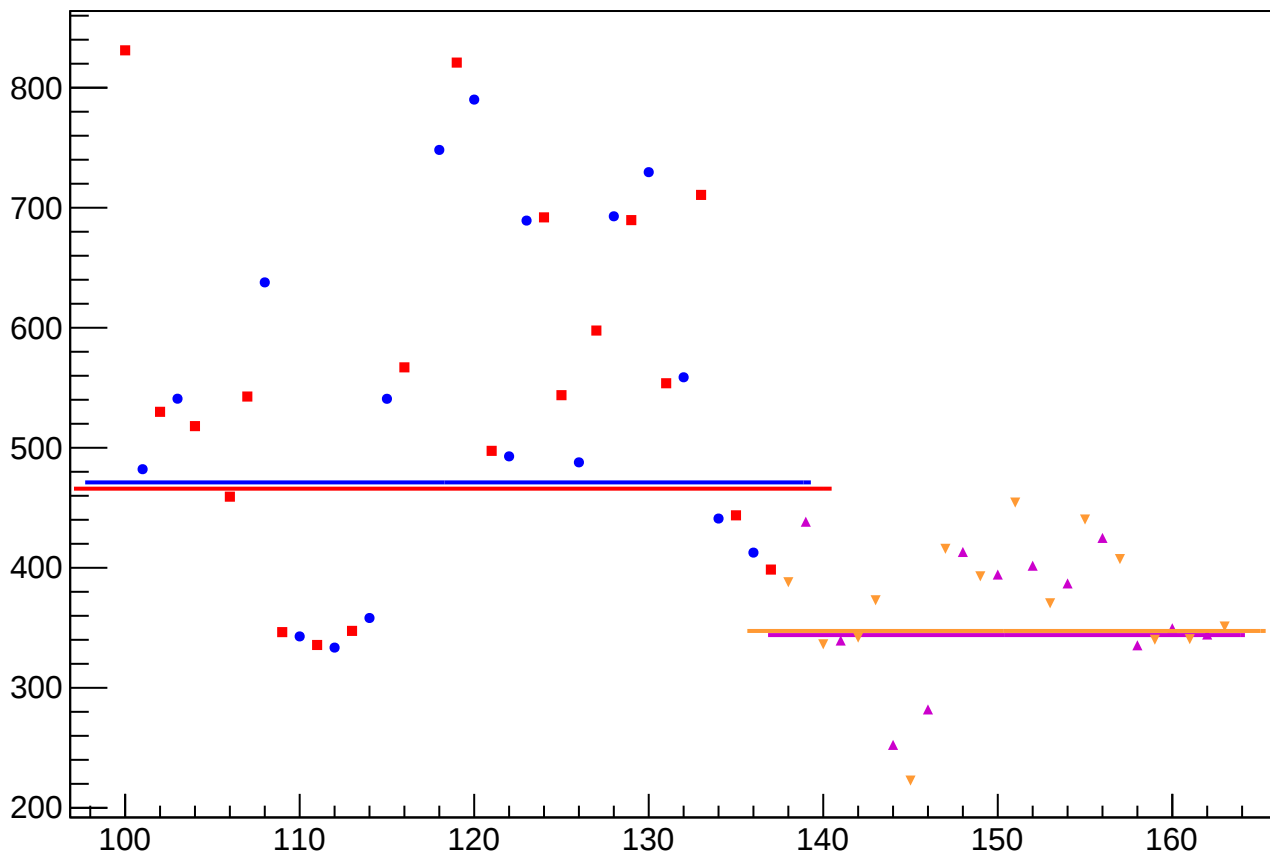
Right: 125.150+/-131.061 χ^2/NDF : 40.7/35

In: -126.758+/-96.556 χ^2/NDF : 39.8/28

Out: -207.471+/-93.531 χ^2/NDF : 53.8/32

All: -168.399+/-67.180 χ^2/NDF : 94.0/61

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 471.156+/-0.134 χ^2/NDF : 871832.5/16

Left Out: 347.379+/-0.077 χ^2/NDF : 758157.4/13

Right Out: 465.935+/-0.128 χ^2/NDF : 940521.6/18

Left In: 343.933+/-0.079 χ^2/NDF : 545190.2/11

Left: 345.702+/-0.055 χ^2/NDF : 1304316.5/25

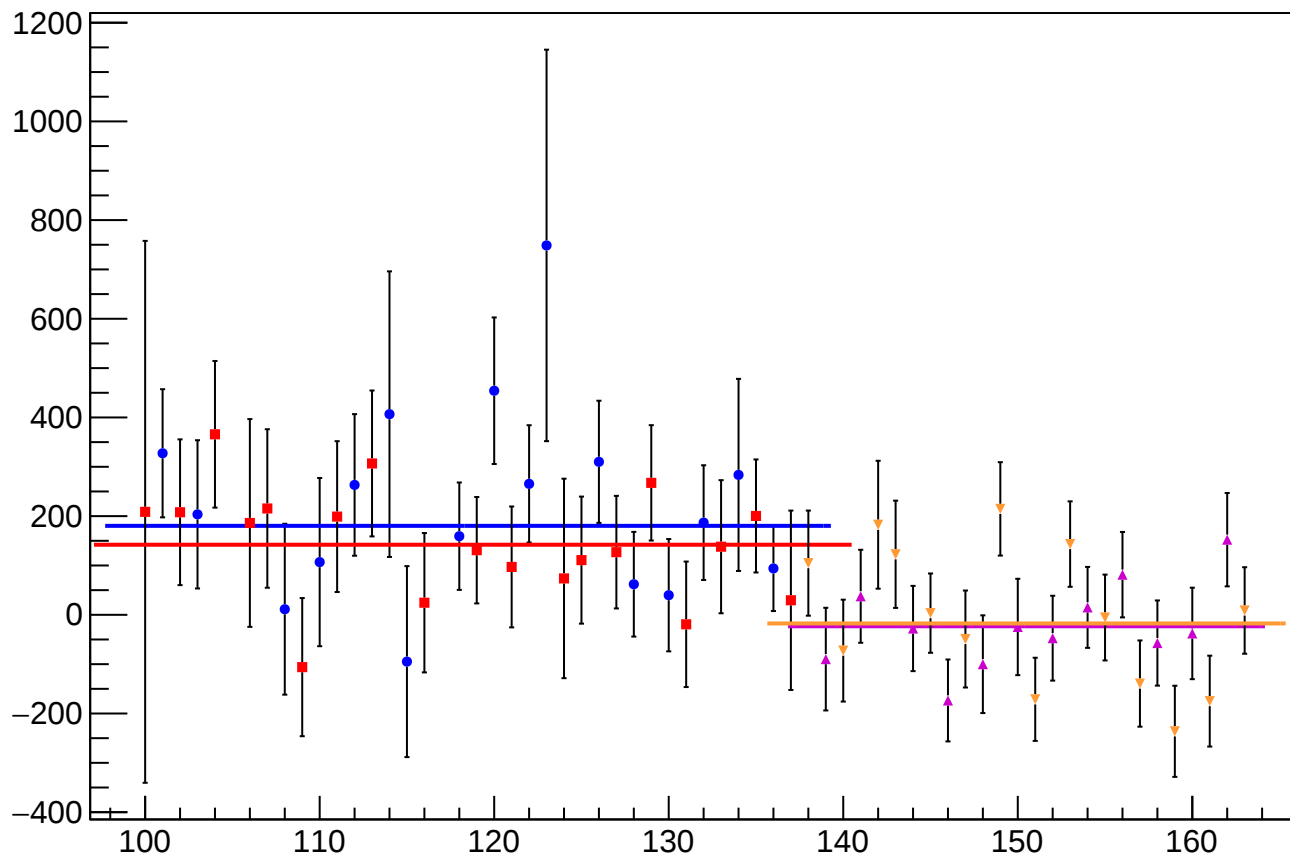
Right: 468.427+/-0.093 χ^2/NDF : 1813145.9/35

In: 376.883+/-0.068 χ^2/NDF : 2083388.9/28

Out: 378.947+/-0.066 χ^2/NDF : 2326484.1/32

All: 377.948+/-0.048 χ^2/NDF : 4410344.2/61

reg_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 180.326 ± 32.769 $\chi^2/\text{NDF}: 16.6/16$

Left Out: -17.523 ± 25.010 $\chi^2/\text{NDF}: 29.2/13$

Right Out: 142.040 ± 32.338 $\chi^2/\text{NDF}: 11.7/18$

Left In: -23.204 ± 26.077 $\chi^2/\text{NDF}: 10.1/11$

Left: -20.245 ± 18.050 $\chi^2/\text{NDF}: 39.3/25$

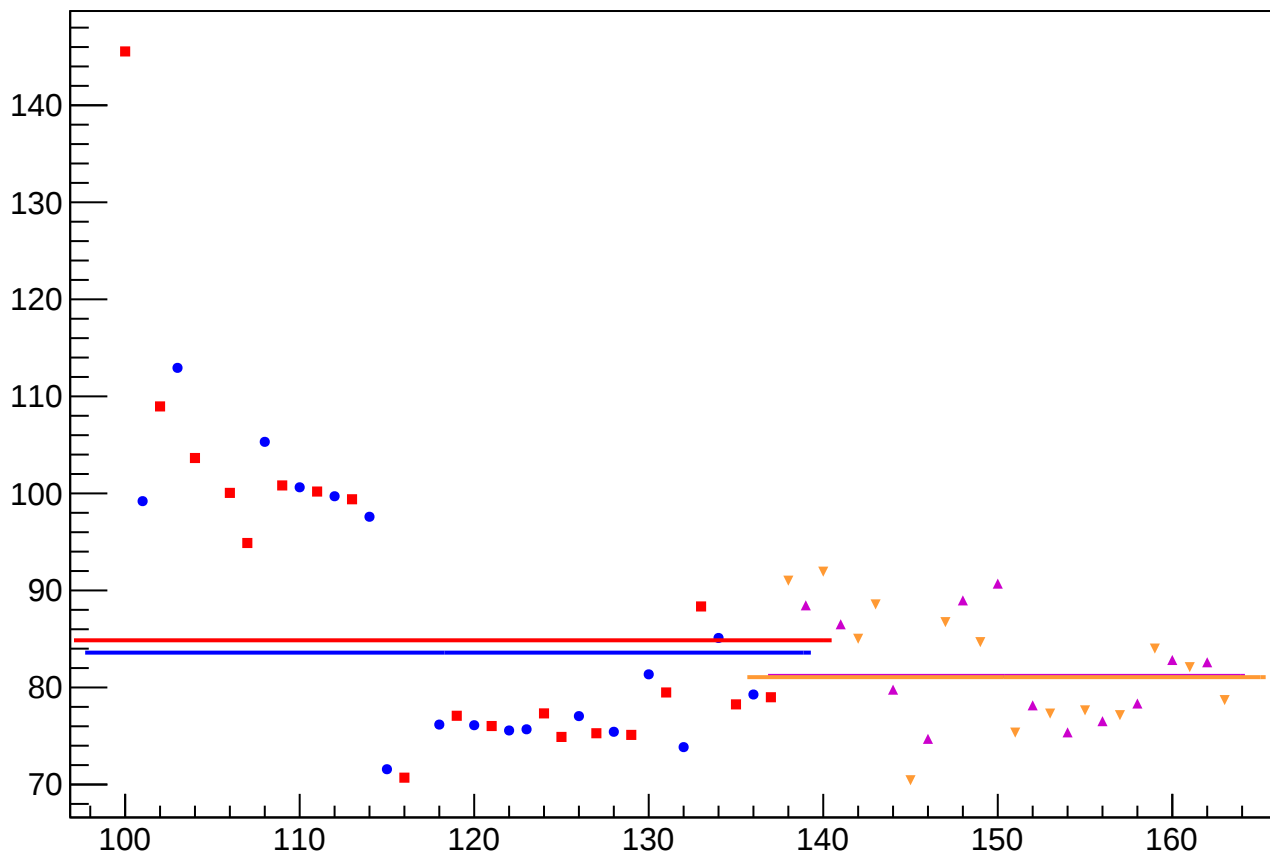
Right: 160.930 ± 23.017 $\chi^2/\text{NDF}: 28.9/35$

In: 55.710 ± 20.405 $\chi^2/\text{NDF}: 50.3/28$

Out: 42.198 ± 19.784 $\chi^2/\text{NDF}: 56.1/32$

All: 48.745 ± 14.204 $\chi^2/\text{NDF}: 106.6/61$

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 83.591 $\pm$ 0.023 χ^2/NDF : 255921.7/16

Left Out: 81.063 $\pm$ 0.018 χ^2/NDF : 119304.5/13

Right Out: 84.861 $\pm$ 0.023 χ^2/NDF : 290606.5/18

Left In: 81.194 $\pm$ 0.018 χ^2/NDF : 81815.5/11

Left: 81.126 $\pm$ 0.013 χ^2/NDF : 201146.1/25

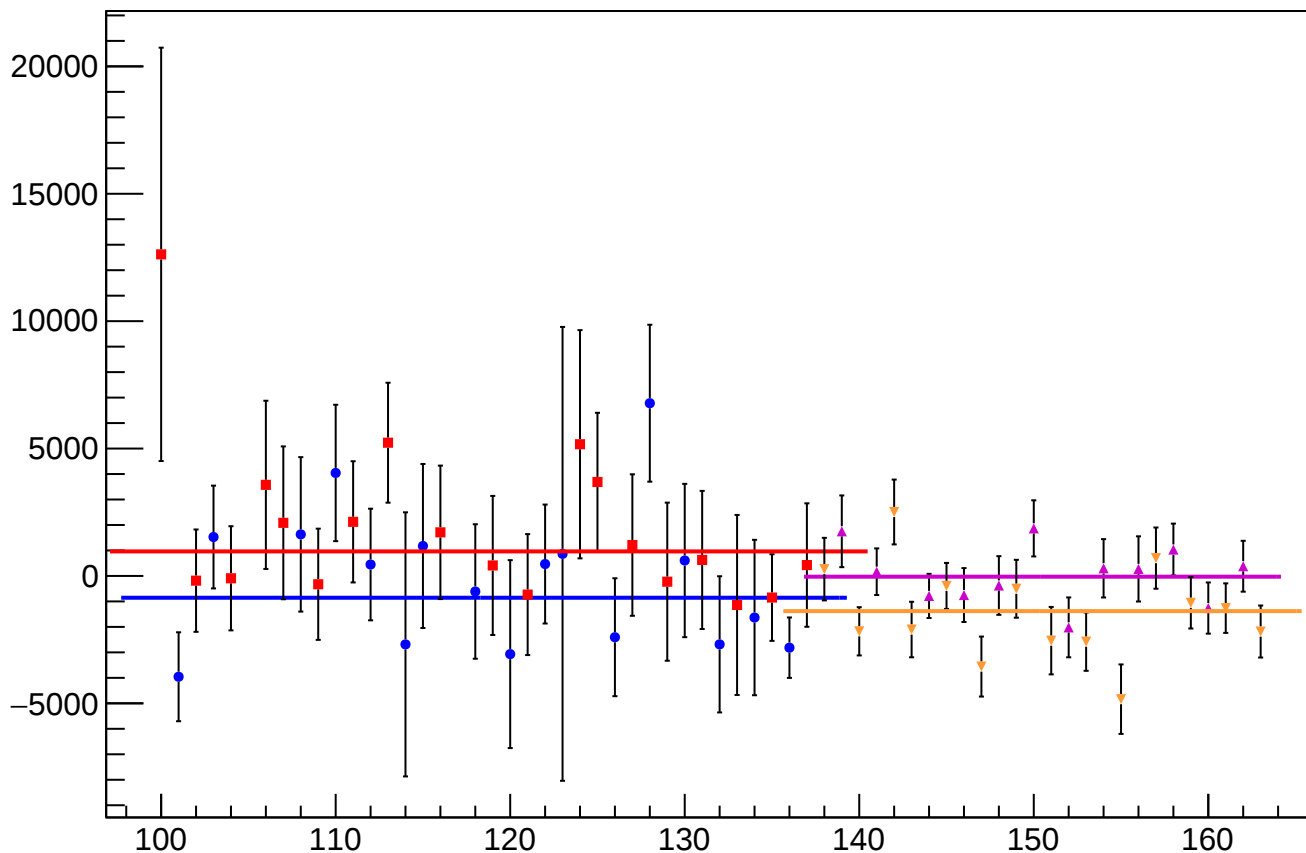
Right: 84.234 $\pm$ 0.016 χ^2/NDF : 548050.9/35

In: 82.123 $\pm$ 0.014 χ^2/NDF : 344288.9/28

Out: 82.485 $\pm$ 0.014 χ^2/NDF : 427172.2/32

All: 82.309 $\pm$ 0.010 χ^2/NDF : 771784.7/61

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: -1379.934 $\pm$ 294.511 χ^2 /NDF:29.5/13

Right Out: 962.932 $\pm$ 589.071 χ^2 /NDF: 11.5/18

Left In: -29.194 $\pm$ 307.698 χ^2 /NDF:11.7/11

Left: -734.127 $\pm$ 212.760 χ^2 /NDF: 51.3/25

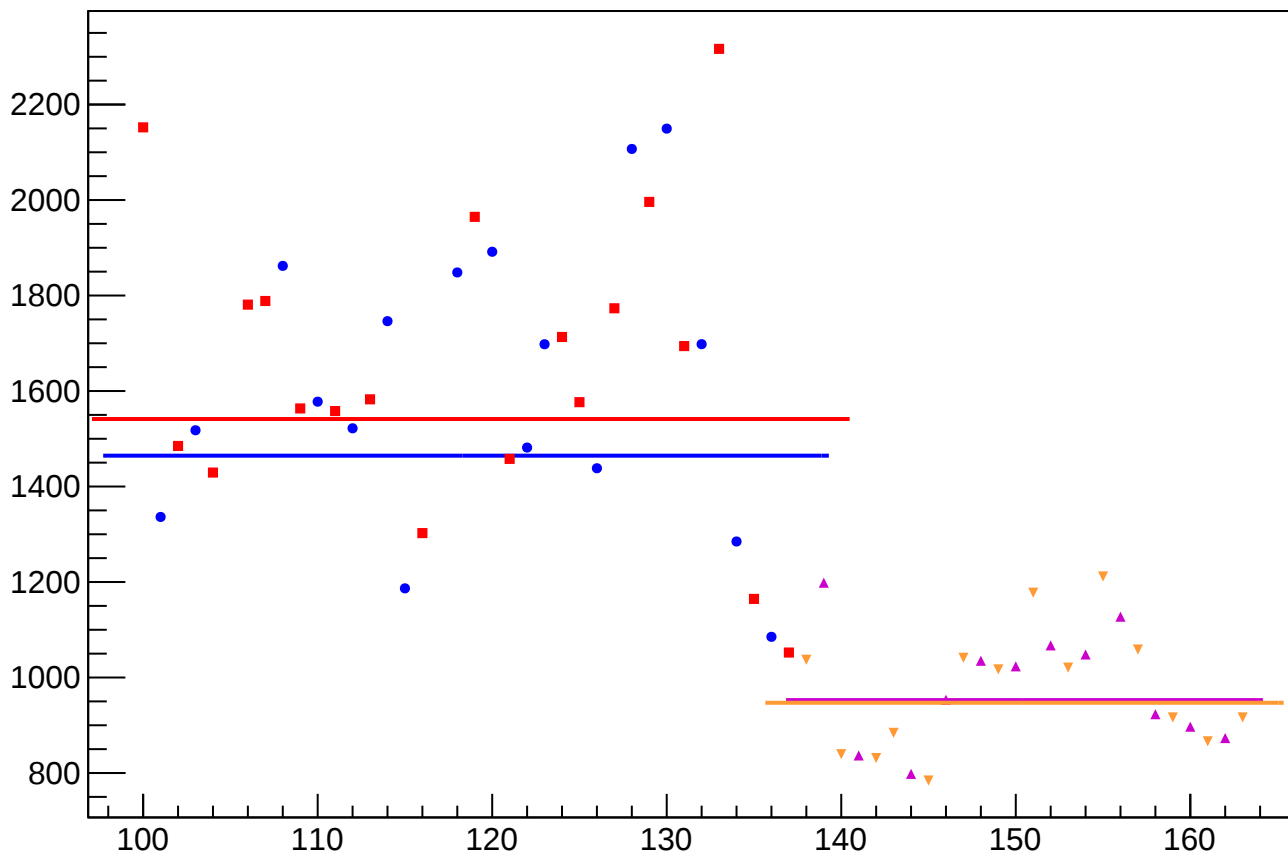
Right: 44.847 $\pm$ 414.477 χ^2 /NDF: 36.6/35

In: -209.037 $\pm$ 272.152 χ^2 /NDF:33.5/28

Out: -911.423 $\pm$ 263.423 χ^2 /NDF:53.7/32

All: -571.674 $\pm$ 189.279 χ^2 /NDF: 90.7/61

asym_sam_24_68_dd_correction_rms vs Slug, Sign Corrected



Left: 949.793 $\pm$ 0.150 χ^2/NDF : 590579.7/25

Right: 1502.634 $\pm$ 0.293 χ^2/NDF : 1031717.7/35

In: 1064.161 $\pm$ 0.192 χ^2/NDF : 2031930.2/28

Out: 1065.953 $\pm$ 0.186 χ^2/NDF : 2406460.0/32

All: 1065.086 $\pm$ 0.134 χ^2/NDF : 4438435.0/63

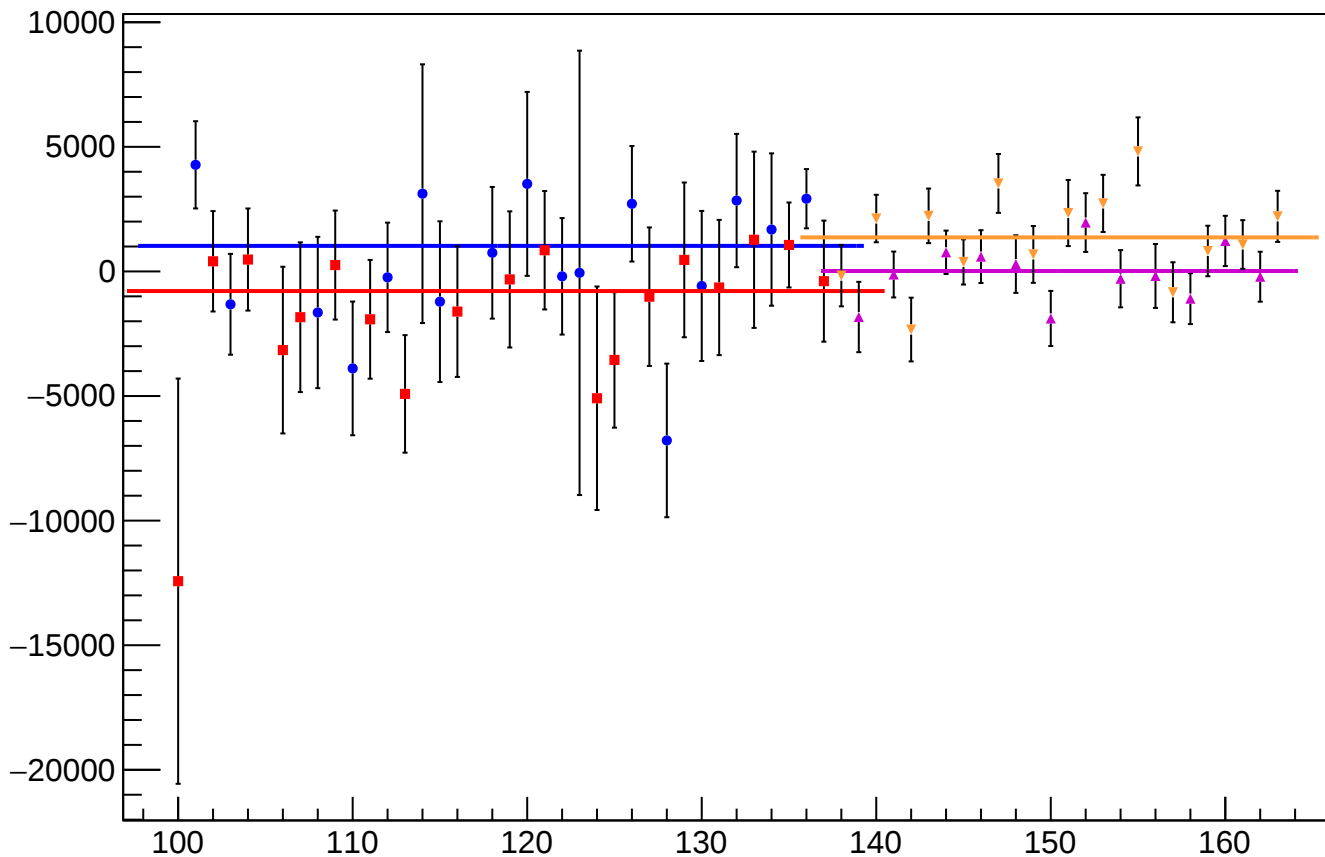
Right In: 1464.636 $\pm$ 0.412 χ^2/NDF : 560863.4/16

Left Out: 947.113 $\pm$ 0.208 χ^2/NDF : 324303.0/13

Right Out: 1541.388 $\pm$ 0.417 χ^2/NDF : 453710.5/18

Left In: 952.718 $\pm$ 0.218 χ^2/NDF : 265930.4/11

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: 1366.667 $\pm$ 295.701 χ^2 /NDF:28.8/13

Right Out: -787.007 $\pm$ 590.388 χ^2 /NDF: 11.2/18

Left In: 17.094 $\pm$ 308.909 χ^2 /NDF:11.3/11

Left: 721.348 $\pm$ 213.609 χ^2 /NDF: 50.0/25

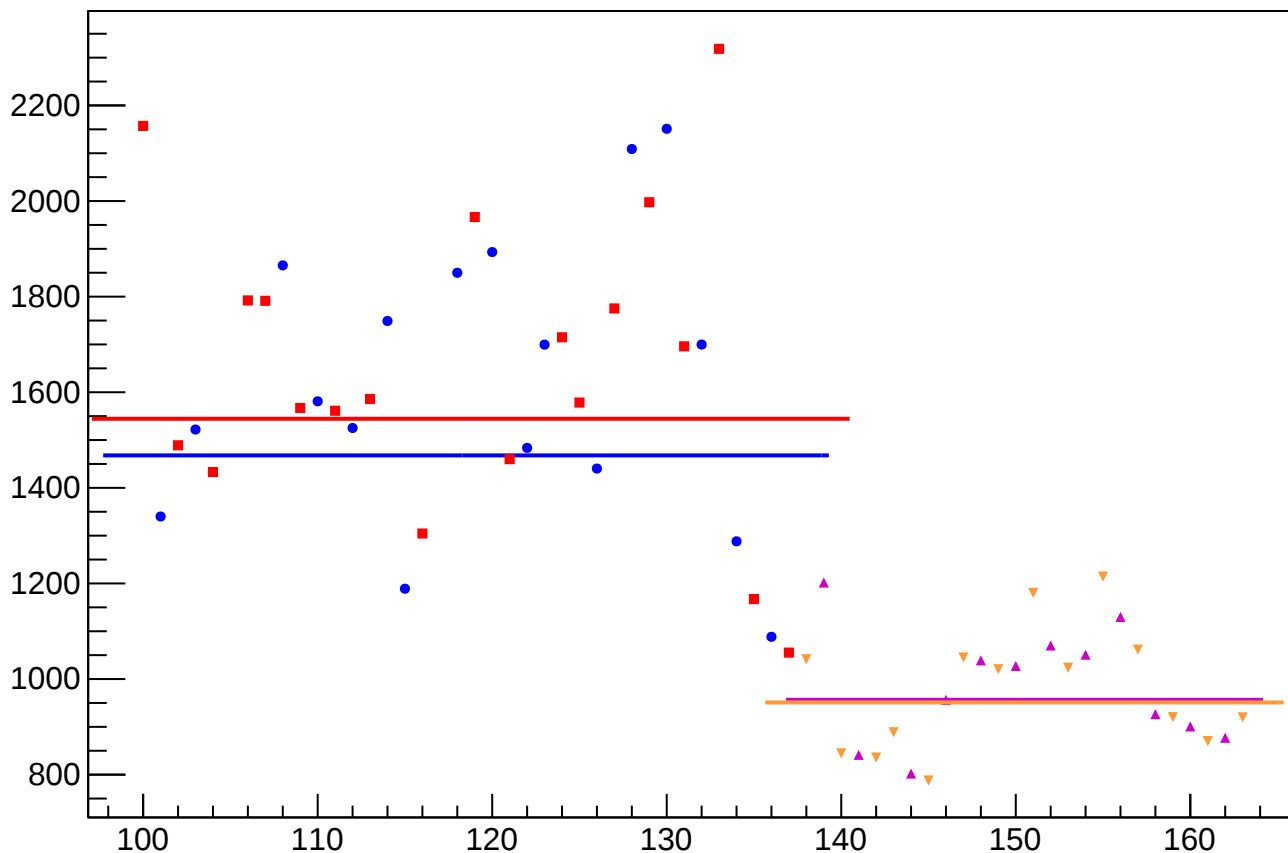
Right: 128.343 $\pm$ 415.370 χ^2 /NDF: 36.9/35

In: 237.265 $\pm$ 273.113 χ^2 /NDF:34.5/28

Out: 934.749 $\pm$ 264.392 χ^2 /NDF:50.6/32

All: 597.321 $\pm$ 189.961 χ^2 /NDF: 88.5/61

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1467.905+/-0.413 χ^2/NDF : 557458.9/16

Left Out: 951.093+/-0.209 χ^2/NDF : 319652.8/13

Right Out: 1544.513+/-0.417 χ^2/NDF : 451805.9/18

Left In: 956.594+/-0.218 χ^2/NDF : 261982.3/11

Left: 953.723+/-0.151 χ^2/NDF : 581966.0/25

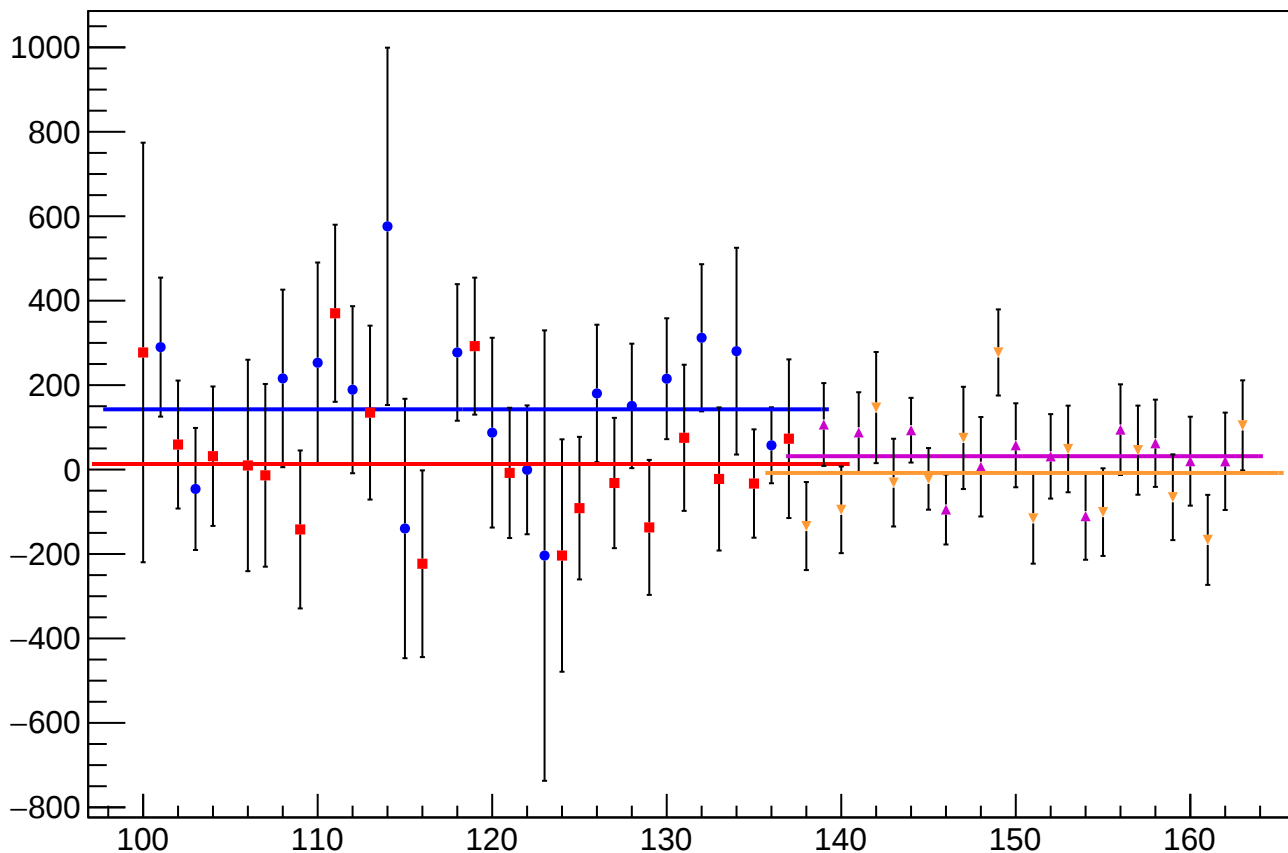
Right: 1505.825+/-0.294 χ^2/NDF : 1026270.9/35

In: 1068.229+/-0.193 χ^2/NDF : 2015784.8/28

Out: 1070.103+/-0.187 χ^2/NDF : 2386829.6/32

All: 1069.196+/-0.134 χ^2/NDF : 4402662.9/63

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: -7.980 $\pm$ 27.456 χ^2 /NDF:18.0/13

Right Out: 13.177 $\pm$ 41.396 χ^2 /NDF: 10.8/18

Left In: 31.645 $\pm$ 28.361 χ^2 /NDF:6.4/11

Left: 11.190 $\pm$ 19.727 χ^2 /NDF: 25.3/25

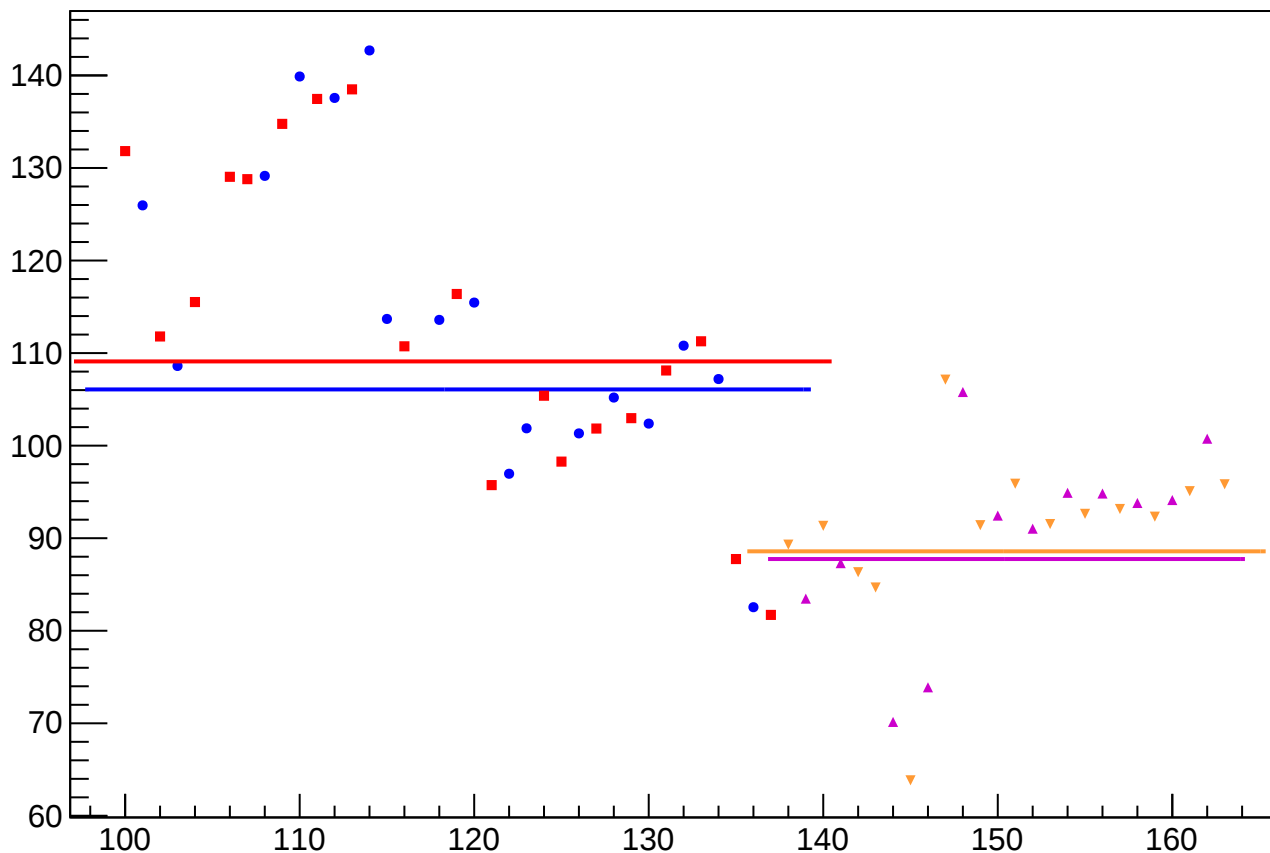
Right: 77.572 $\pm$ 29.352 χ^2 /NDF: 25.0/35

In: 66.850 $\pm$ 23.438 χ^2 /NDF:20.5/28

Out: -1.516 $\pm$ 22.881 χ^2 /NDF:29.0/32

All: 31.845 $\pm$ 16.373 χ^2 /NDF: 53.9/61

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: 88.581 $\pm$ 0.019 χ^2 /NDF:320364.3/13

Right Out: 109.100 $\pm$ 0.029 χ^2 /NDF: 285394.8/18

Left In: 87.750 $\pm$ 0.020 χ^2 /NDF:276791.7/11

Left: 88.179 $\pm$ 0.014 χ^2 /NDF: 598043.2/25

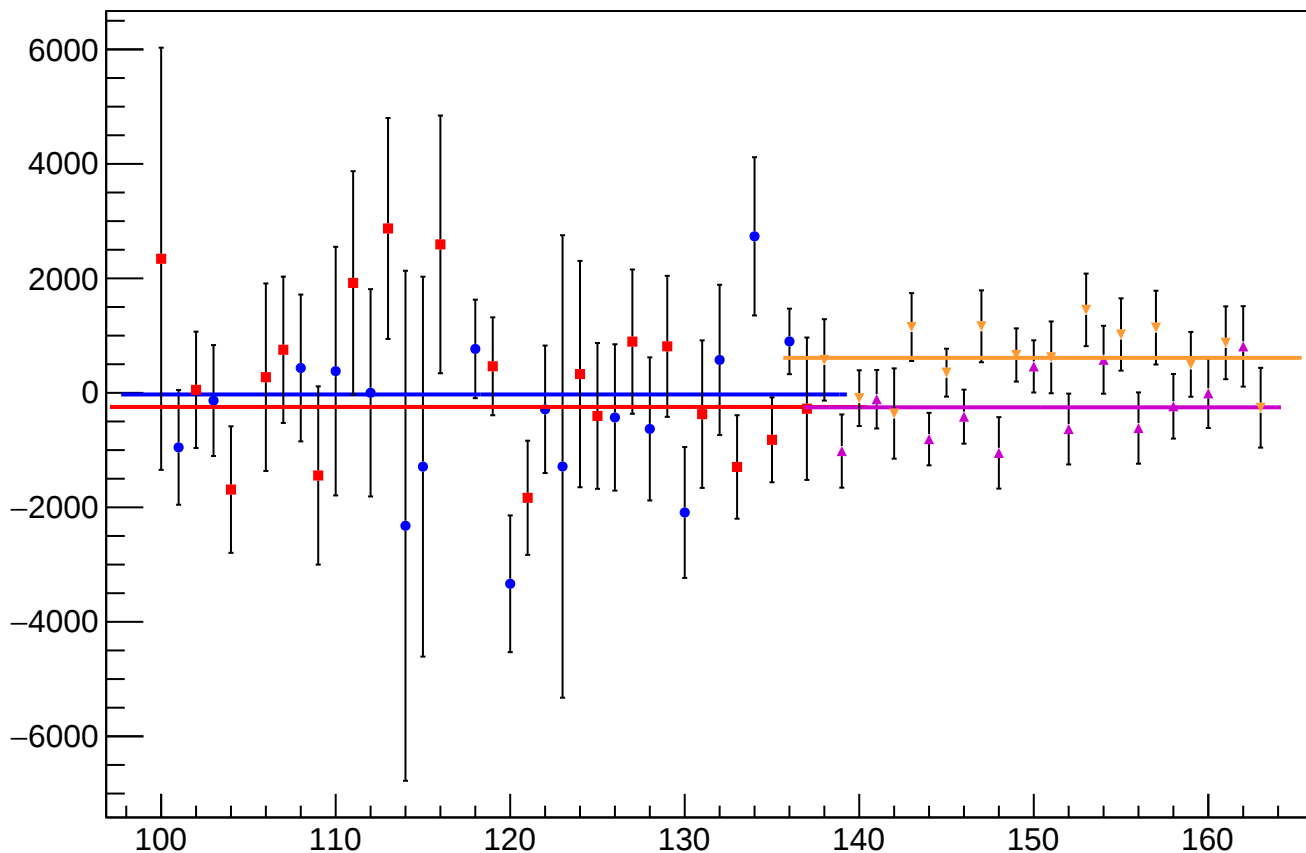
Right: 107.595 $\pm$ 0.021 χ^2 /NDF: 608619.1/35

In: 93.559 $\pm$ 0.017 χ^2 /NDF:859393.1/28

Out: 94.850 $\pm$ 0.016 χ^2 /NDF:947033.1/32

All: 94.220 $\pm$ 0.012 χ^2 /NDF: 1809531.1/61

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: 611.203+/-155.954 χ^2/NDF :10.2/13

Right Out: -246.386+/-279.451 χ^2/NDF : 15.9/18

Left In: -252.529+/-160.478 χ^2/NDF :12.3/11

Left: 191.681+/-111.841 χ^2/NDF : 37.4/25

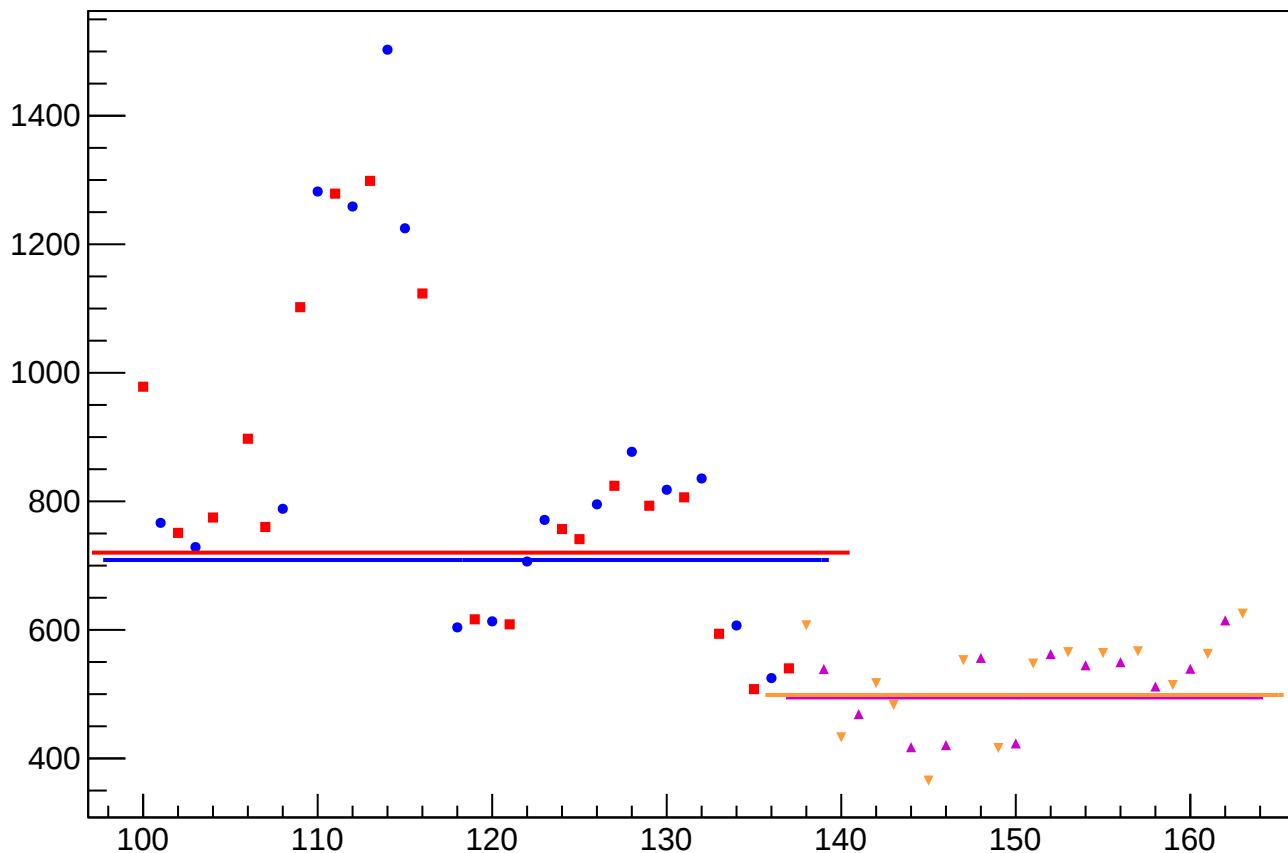
Right: -138.842+/-199.101 χ^2/NDF : 36.7/35

In: -198.106+/-139.684 χ^2/NDF :33.3/28

Out: 407.539+/-136.183 χ^2/NDF :33.2/32

All: 112.403+/-97.510 χ^2/NDF : 76.2/61

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: 498.691 $\pm$ 0.110 χ^2 /NDF: 531698.5/13

Right Out: 720.201 $\pm$ 0.198 χ^2 /NDF: 899934.4/18

Left In: 494.850 $\pm$ 0.113 χ^2 /NDF: 314273.6/11

Left: 496.825 $\pm$ 0.079 χ^2 /NDF: 846561.4/25

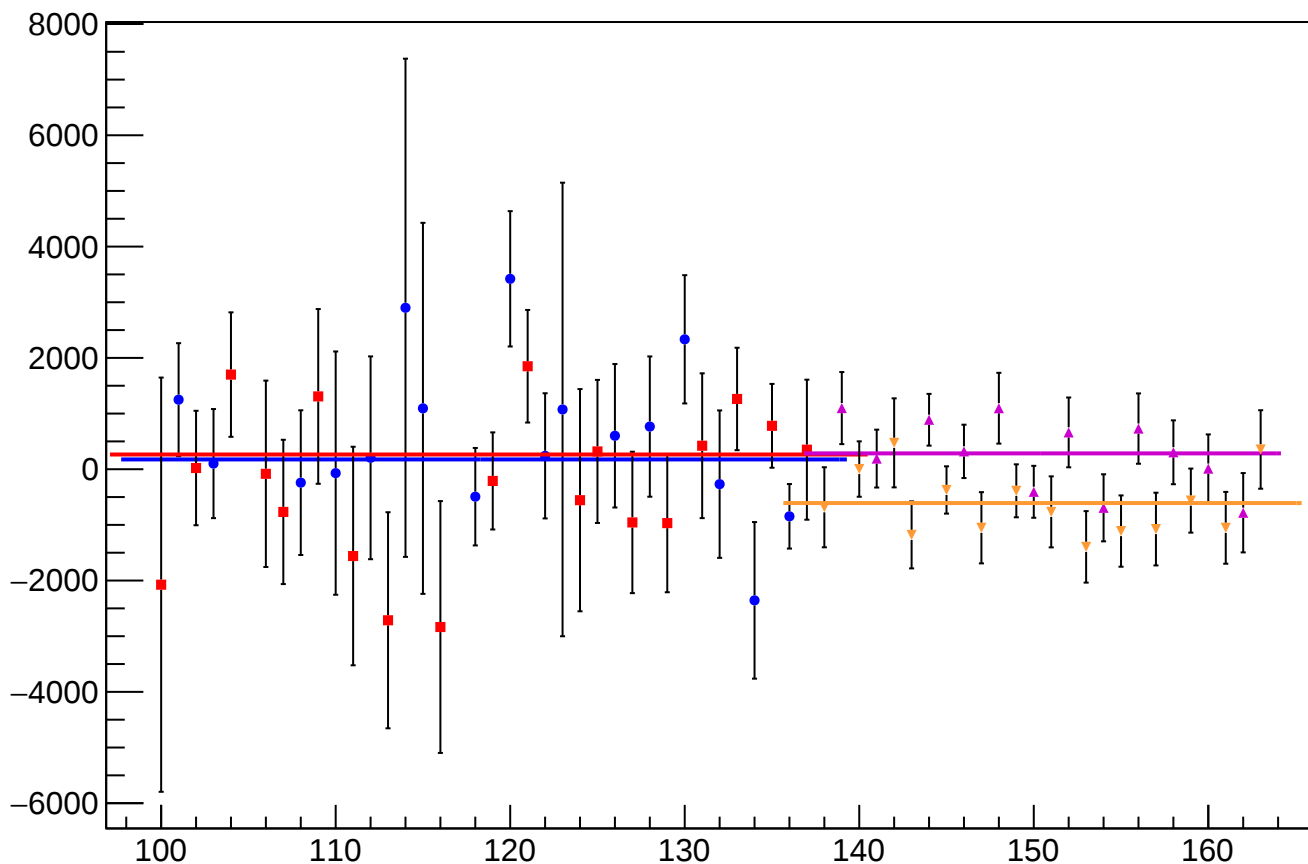
Right: 714.580 $\pm$ 0.141 χ^2 /NDF: 1695116.1/35

In: 546.698 $\pm$ 0.099 χ^2 /NDF: 1969225.2/28

Out: 551.296 $\pm$ 0.096 χ^2 /NDF: 2389827.7/32

All: 549.055 $\pm$ 0.069 χ^2 /NDF: 4360164.1/61

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 175.854+/-287.218 χ^2/NDF : 19.7/16

Left Out: -607.642+/-158.548 χ^2/NDF :10.3/13

Right Out: 264.622+/-283.074 χ^2/NDF : 14.8/18

Left In: 284.670+/-163.113 χ^2/NDF :13.1/11

Left: -174.146+/-113.690 χ^2/NDF : 38.7/25

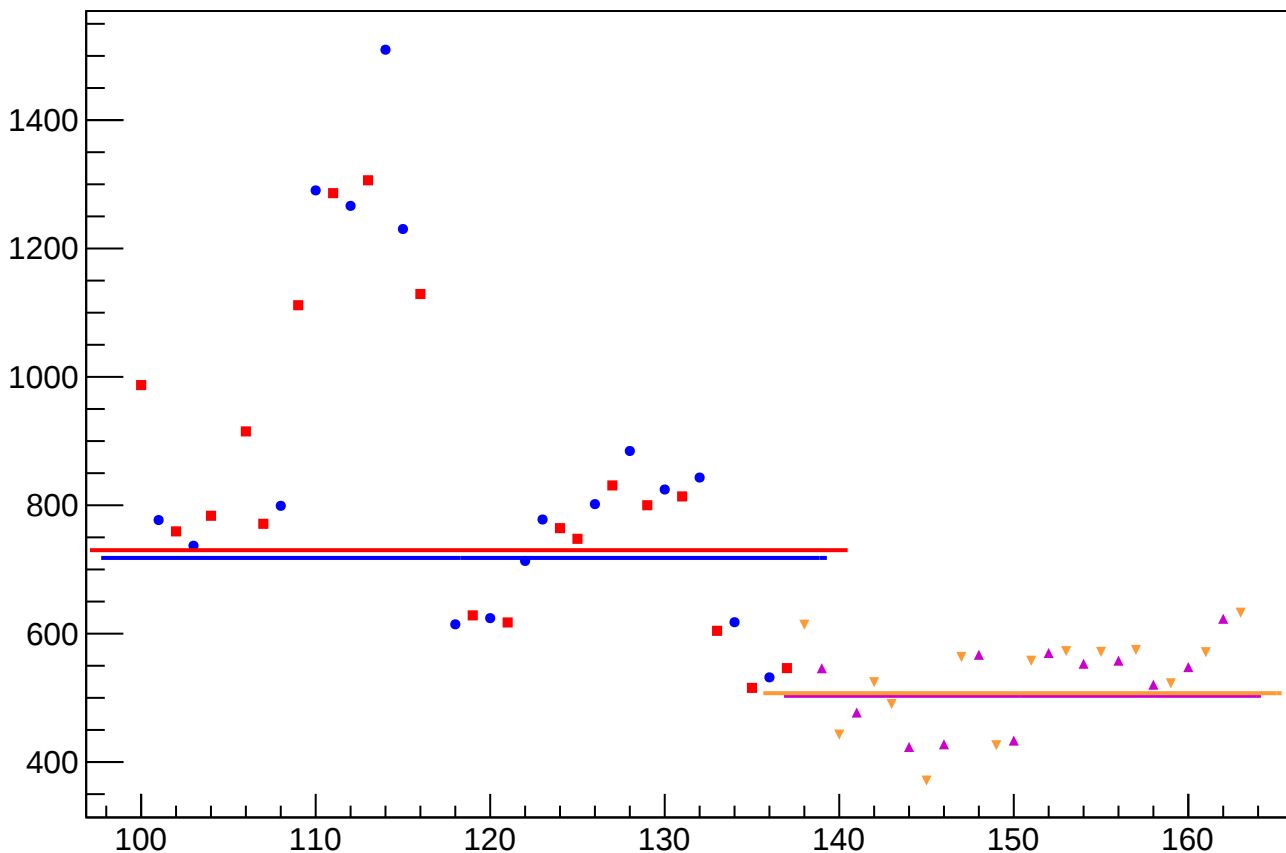
Right: 220.883+/-201.613 χ^2/NDF : 34.6/35

In: 258.134+/-141.836 χ^2/NDF :32.9/28

Out: -399.350+/-138.329 χ^2/NDF :32.3/32

All: -78.838+/-99.030 χ^2/NDF : 76.2/61

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: 507.276 $\pm$ 0.112 χ^2 /NDF: 518215.9/13

Right Out: 730.040 $\pm$ 0.200 χ^2 /NDF: 881842.0/18

Left In: 503.141 $\pm$ 0.115 χ^2 /NDF: 307719.3/11

Left: 505.267 $\pm$ 0.080 χ^2 /NDF: 826596.0/25

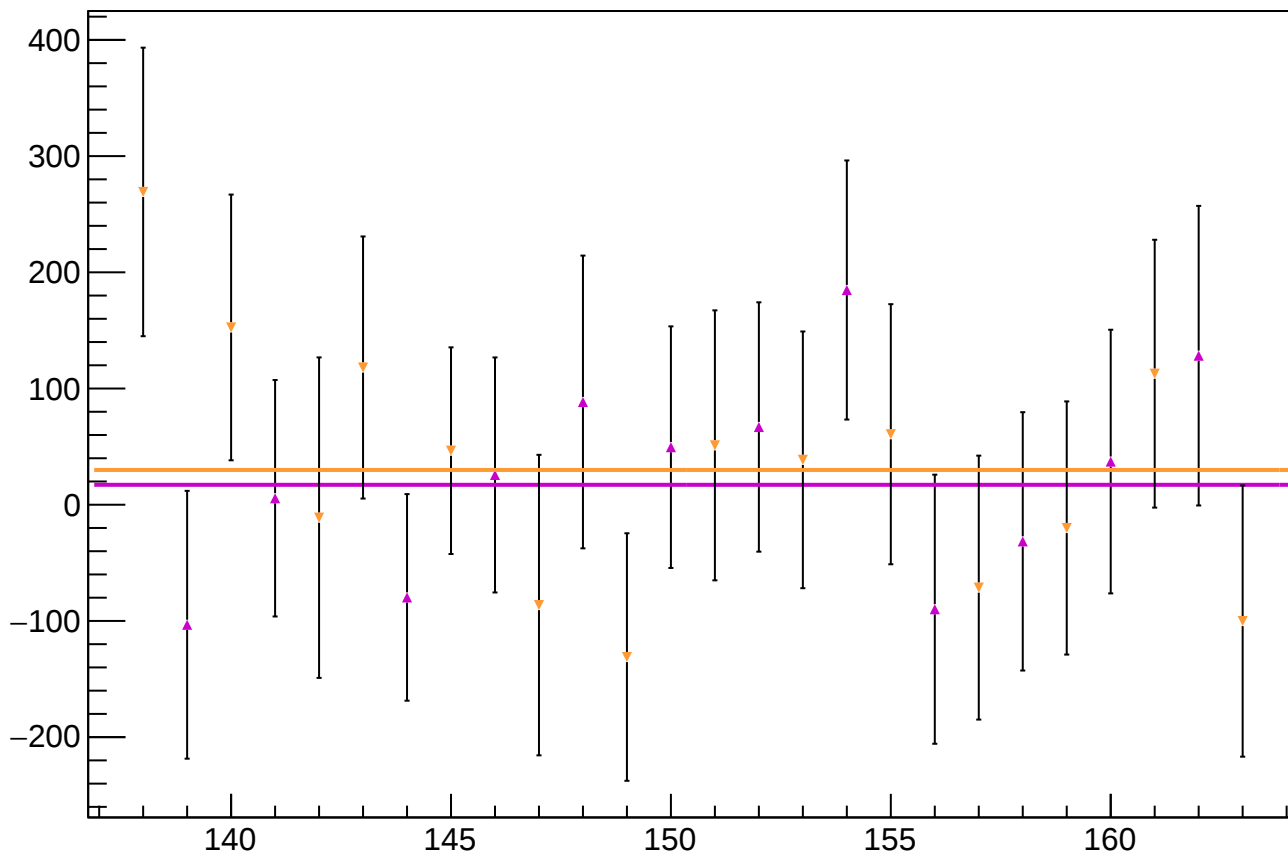
Right: 724.094 $\pm$ 0.143 χ^2 /NDF: 1662212.8/35

In: 555.531 $\pm$ 0.100 χ^2 /NDF: 1932363.7/28

Out: 560.471 $\pm$ 0.098 χ^2 /NDF: 2342866.9/32

All: 558.063 $\pm$ 0.070 χ^2 /NDF: 4276473.7/61

reg_asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 29.929 $\pm$ 30.241 χ^2 /NDF:11.6/13

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 17.142 $\pm$ 31.426 χ^2 /NDF:7.0/11

Left: 23.781 $\pm$ 21.791 χ^2 /NDF: 18.7/25

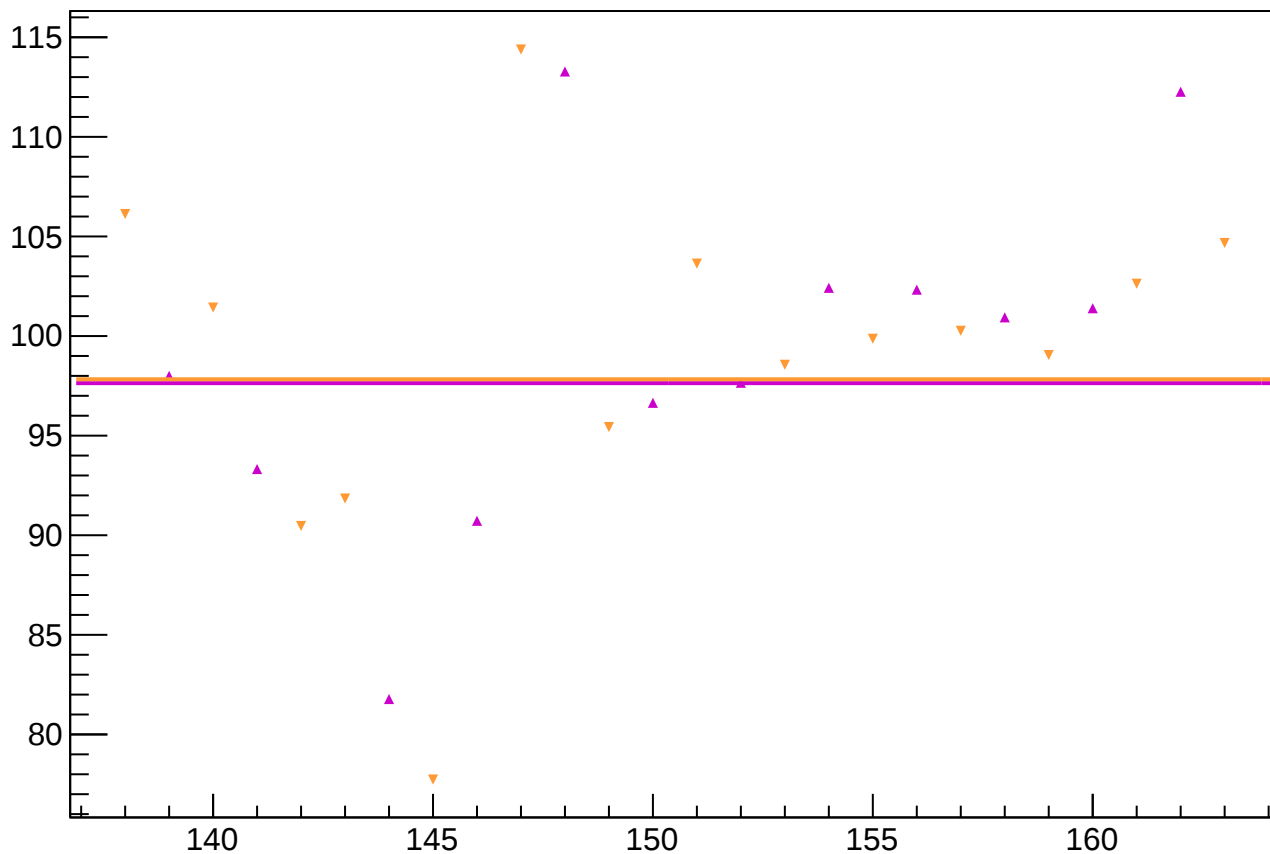
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 17.142 $\pm$ 31.426 χ^2 /NDF:7.0/11

Out: 29.929 $\pm$ 30.241 χ^2 /NDF:11.6/13

All: 23.781 $\pm$ 21.791 χ^2 /NDF: 18.7/25

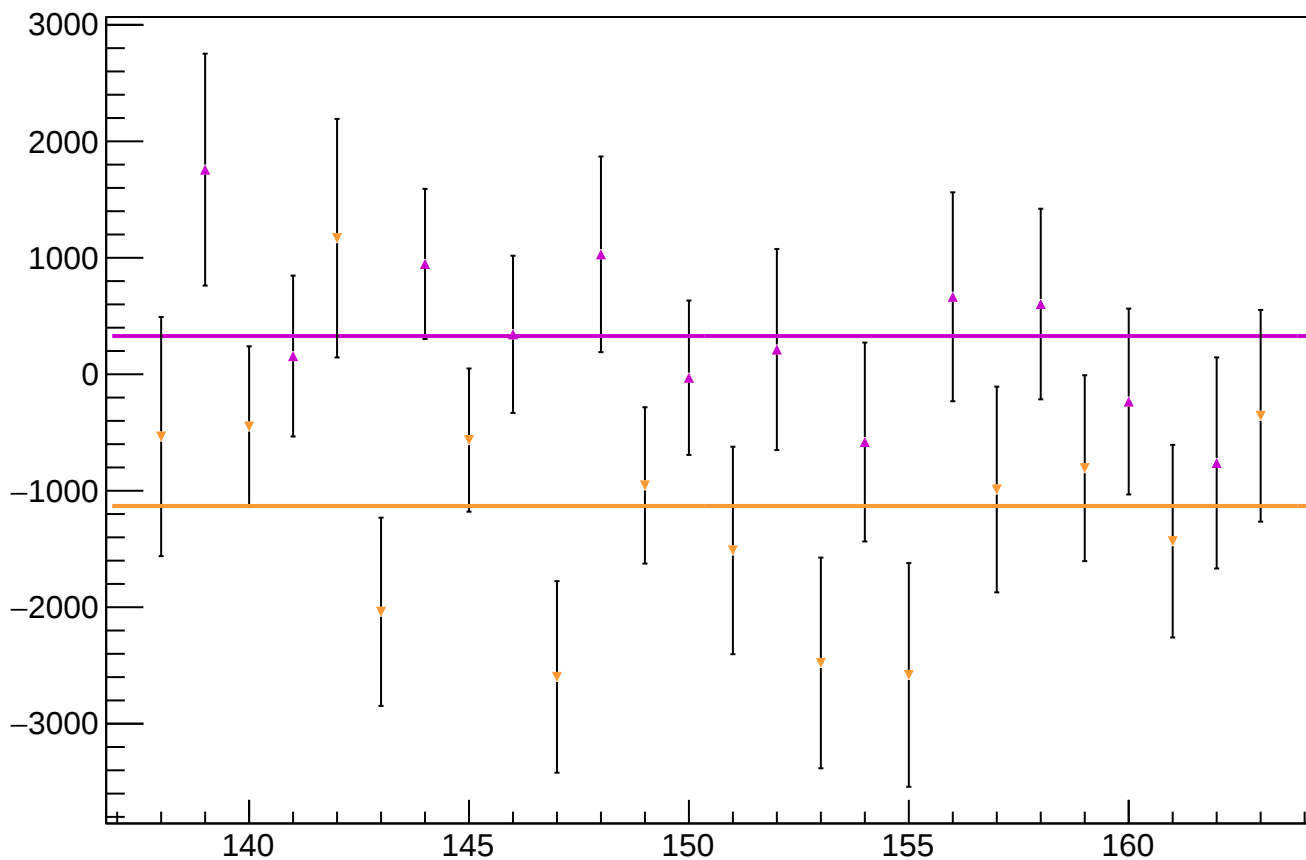
reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 97.830+/-0.021 χ^2/NDF :175457.5/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 97.636+/-0.022 χ^2/NDF :144350.8/11

Left: 97.737+/-0.015 χ^2/NDF : 319847.9/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 97.636+/-0.022 χ^2/NDF :144350.8/11
 Out: 97.830+/-0.021 χ^2/NDF :175457.5/13
 All: 97.737+/-0.015 χ^2/NDF : 319847.9/25

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1130.352+/-218.325 χ^2/NDF :17.5/13

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

Left In: 328.266+/-225.628 χ^2/NDF :7.4/11

Left: -425.029+/-156.897 χ^2/NDF : 46.4/25

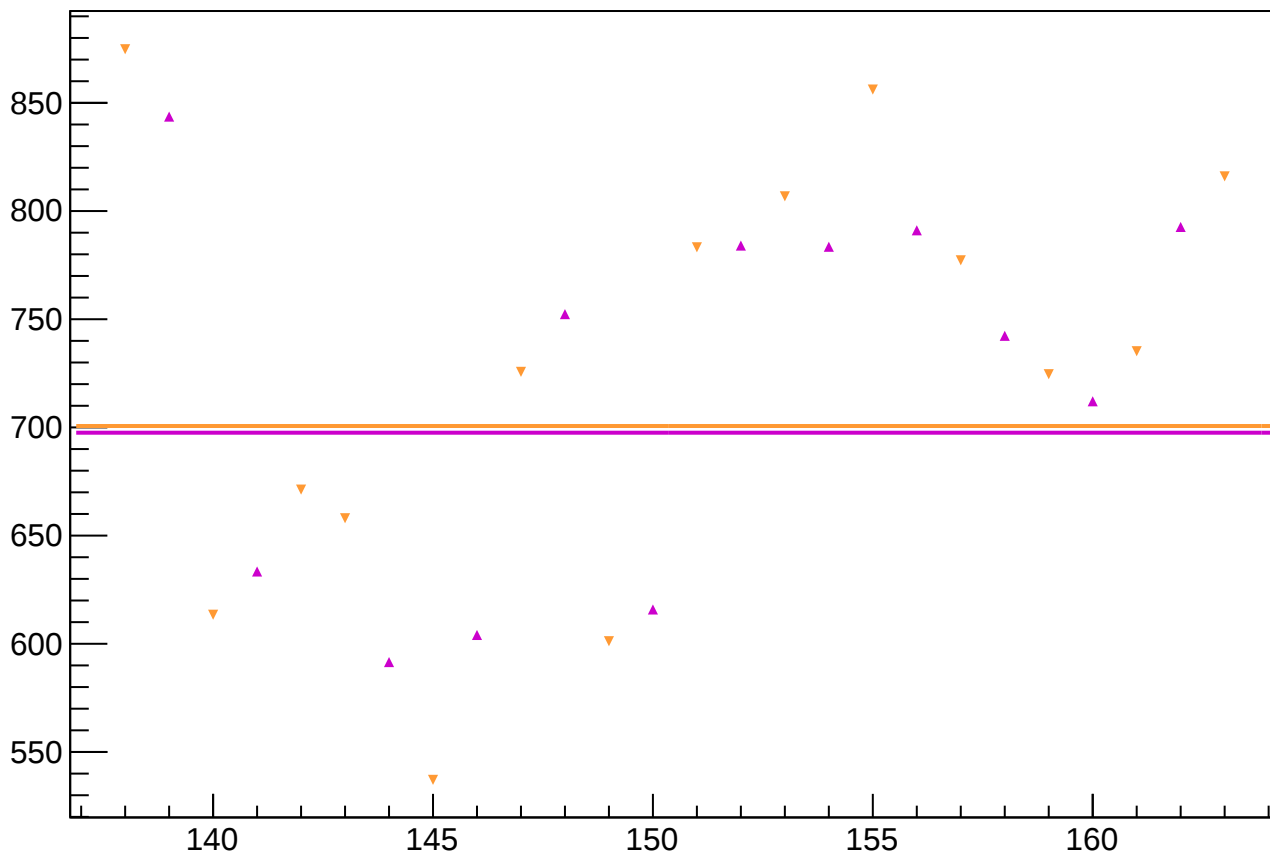
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 328.266+/-225.628 χ^2/NDF :7.4/11

Out: -1130.352+/-218.325 χ^2/NDF :17.5/13

All: -425.029+/-156.897 χ^2/NDF : 46.4/25

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 700.647+/-0.154 χ^2/NDF : 433889.4/13

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

Left In: 697.554+/-0.160 χ^2/NDF : 282496.1/11

Left: 699.151+/-0.111 χ^2/NDF : 716579.6/25

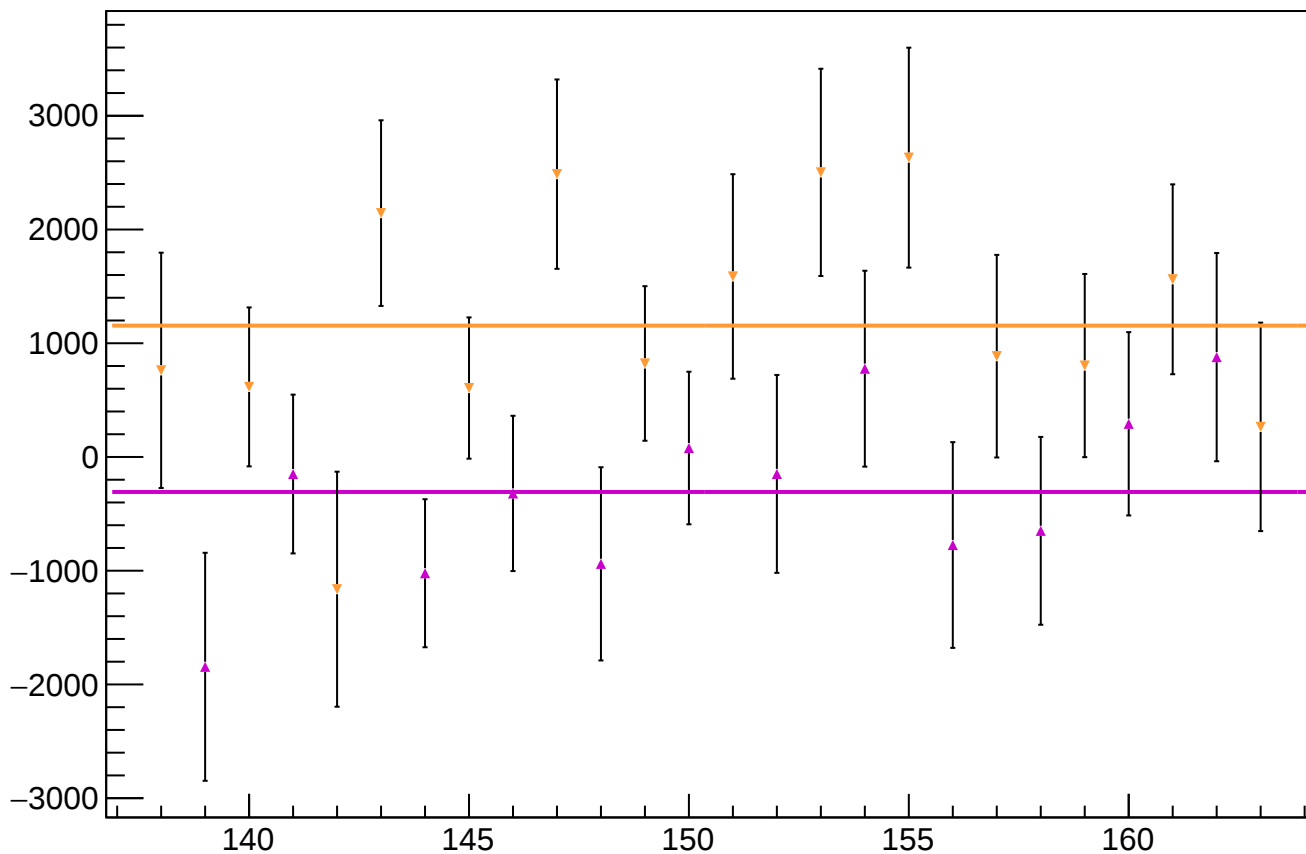
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 697.554+/-0.160 χ^2/NDF : 282496.1/11

Out: 700.647+/-0.154 χ^2/NDF : 433889.4/13

All: 699.151+/-0.111 χ^2/NDF : 716579.6/25

asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 1155.180+/-220.543 χ^2/NDF :17.0/13

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

Left In: -307.646+/-227.903 χ^2/NDF :8.8/11

Left: 447.771+/-158.486 χ^2/NDF : 47.1/25

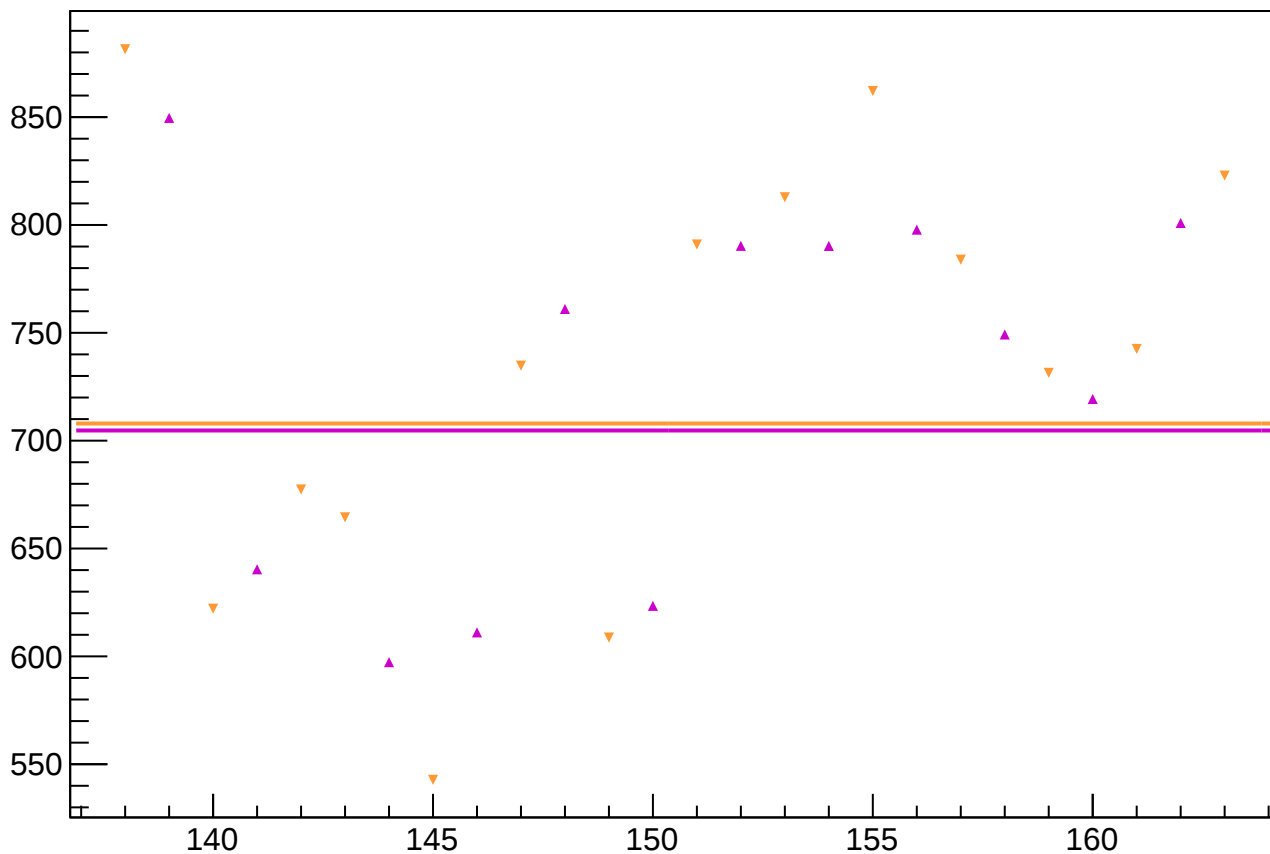
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -307.646+/-227.903 χ^2/NDF :8.8/11

Out: 1155.180+/-220.543 χ^2/NDF :17.0/13

All: 447.771+/-158.486 χ^2/NDF : 47.1/25

asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 707.964+/-0.156 χ^2/NDF :425588.7/13

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

Left In: 704.722+/-0.161 χ^2/NDF :277904.6/11

Left: 706.396+/-0.112 χ^2/NDF : 703702.3/25

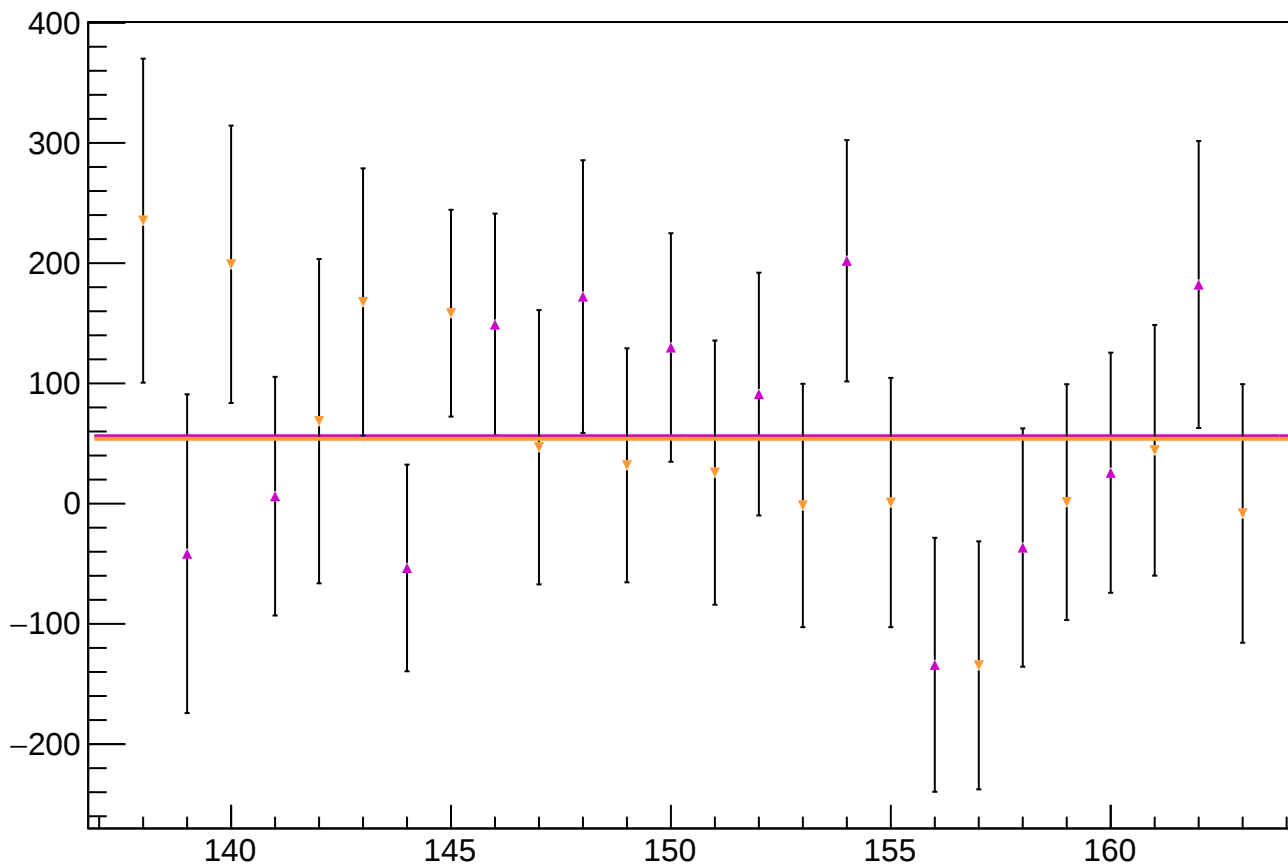
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 704.722+/-0.161 χ^2/NDF :277904.6/11

Out: 707.964+/-0.156 χ^2/NDF :425588.7/13

All: 706.396+/-0.112 χ^2/NDF : 703702.3/25

reg_asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 53.962 $\pm$ 28.468 χ^2 /NDF:10.6/13

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 56.007 $\pm$ 29.372 χ^2 /NDF:12.6/11

Left: 54.952 $\pm$ 20.442 χ^2 /NDF: 23.2/25

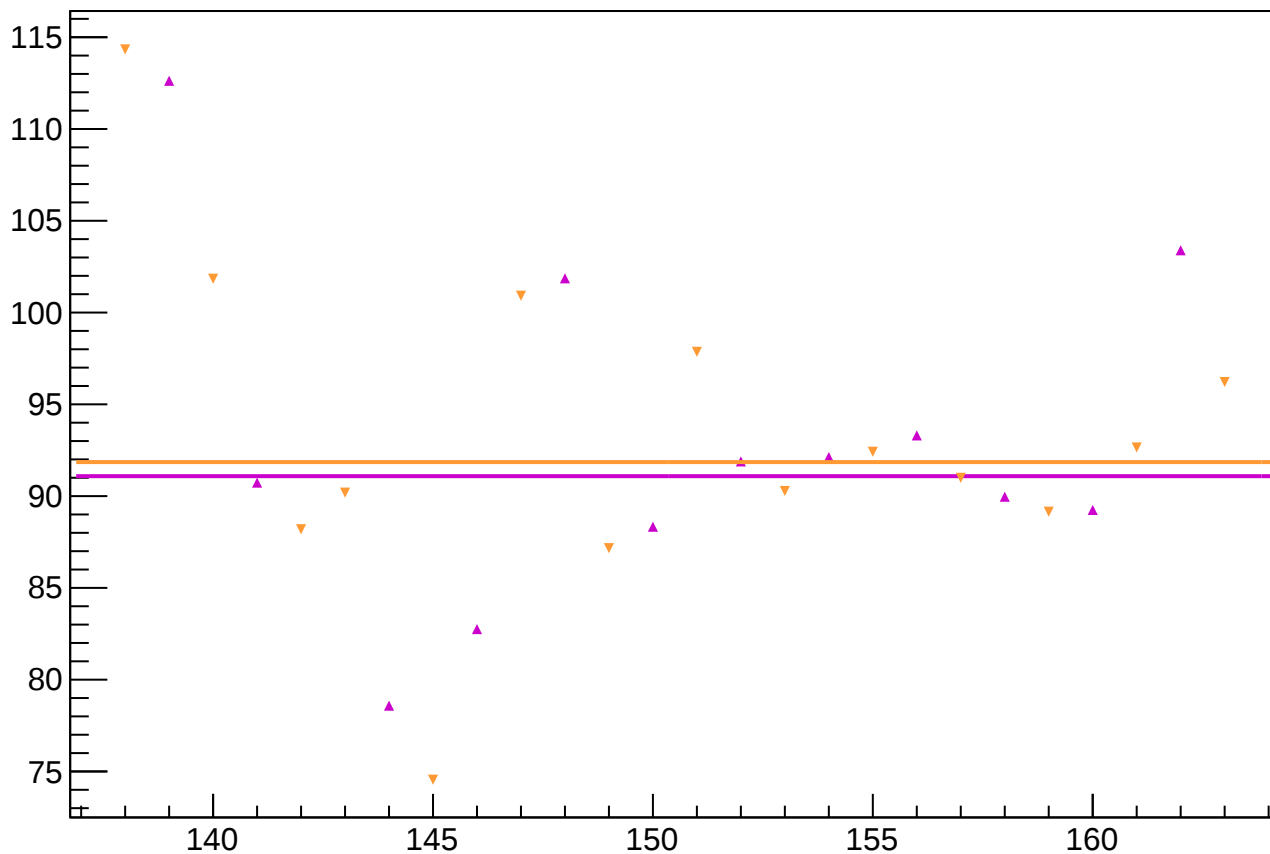
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 56.007 $\pm$ 29.372 χ^2 /NDF:12.6/11

Out: 53.962 $\pm$ 28.468 χ^2 /NDF:10.6/13

All: 54.952 $\pm$ 20.442 χ^2 /NDF: 23.2/25

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: 91.854 $\pm$ 0.020 χ^2/NDF :182408.5/13

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left In: 91.086 $\pm$ 0.021 χ^2/NDF :154648.0/11

Left: 91.482 $\pm$ 0.014 χ^2/NDF : 337761.3/25

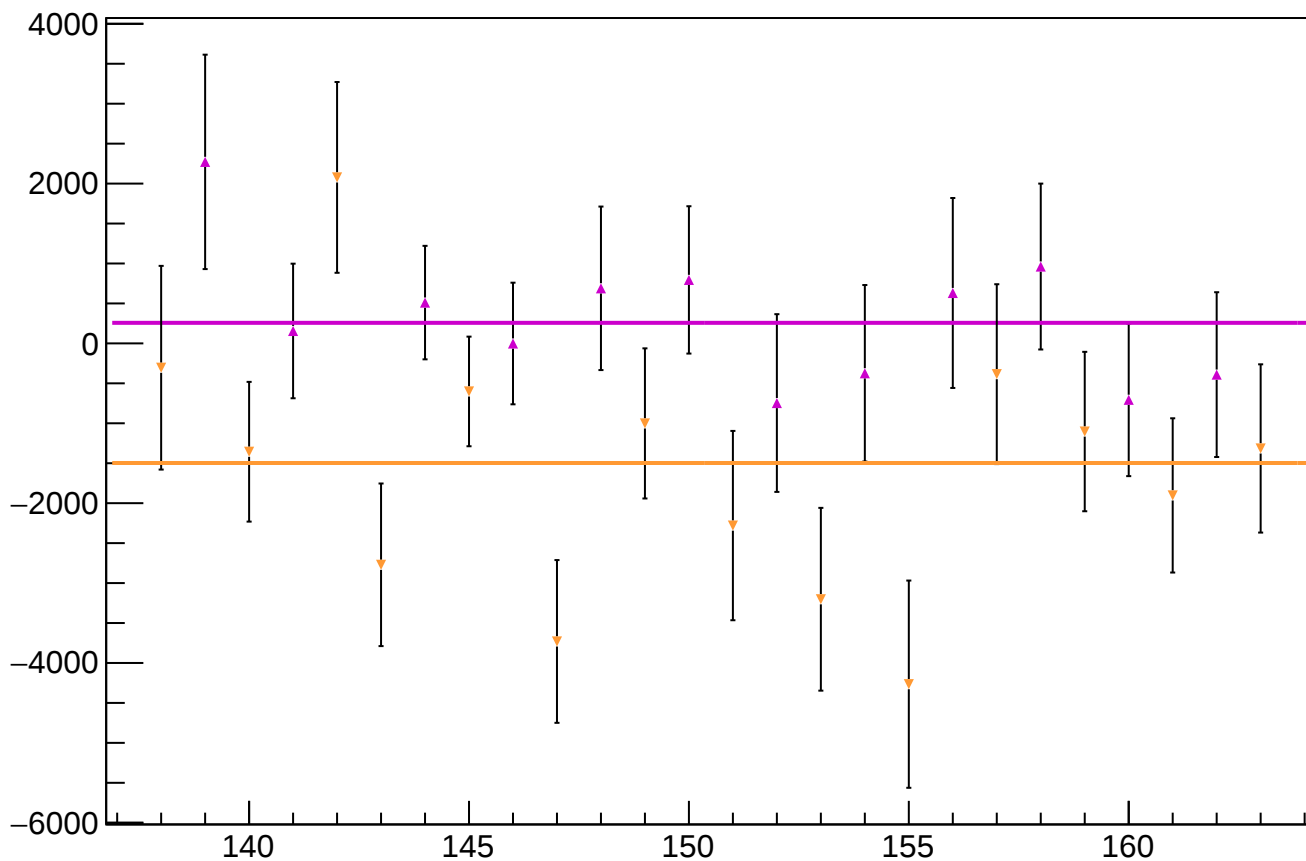
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 91.086 $\pm$ 0.021 χ^2/NDF :154648.0/11

Out: 91.854 $\pm$ 0.020 χ^2/NDF :182408.5/13

All: 91.482 $\pm$ 0.014 χ^2/NDF : 337761.3/25

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1497.029+/-270.644 χ^2/NDF :26.8/13

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

Left In: 257.240+/-276.249 χ^2/NDF :6.1/11

Left: -637.873+/-193.325 χ^2/NDF : 53.5/25

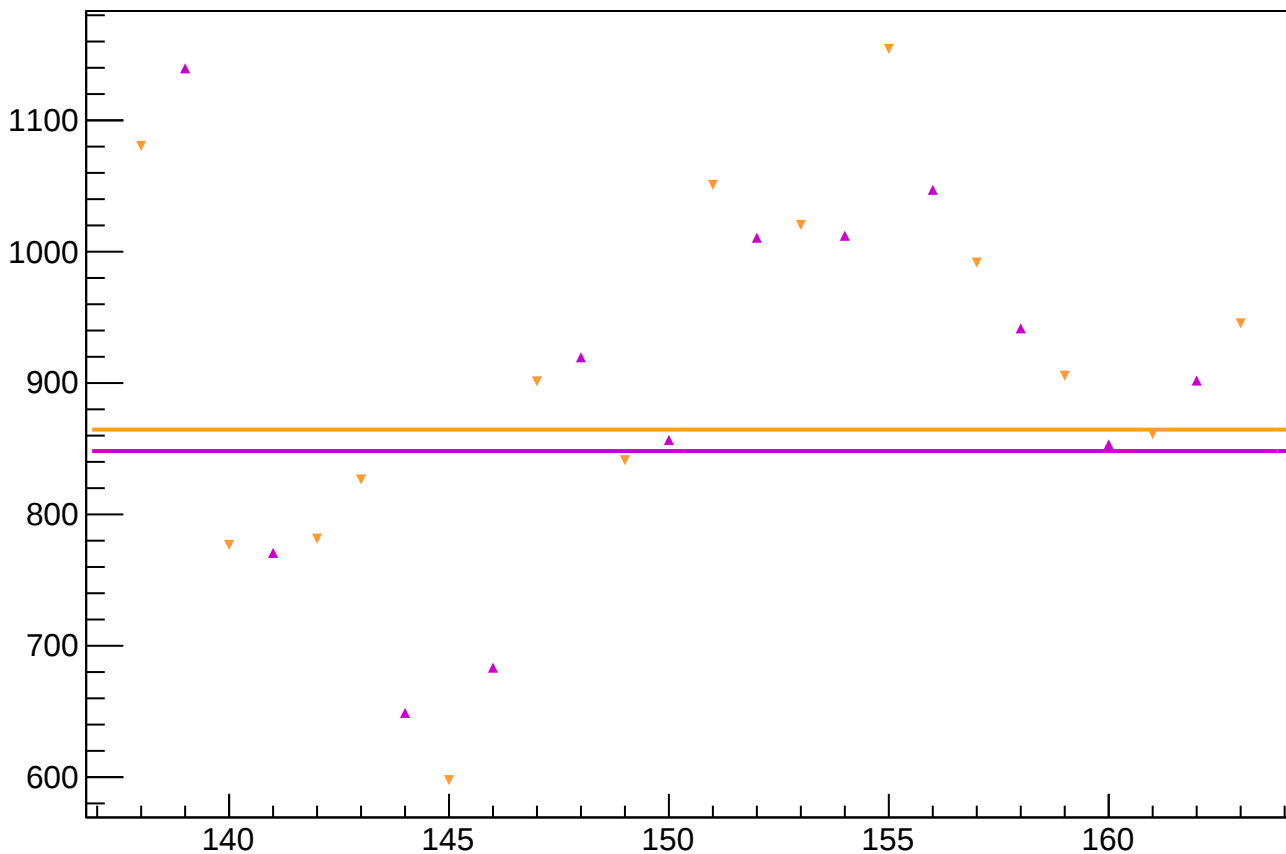
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 257.240+/-276.249 χ^2/NDF :6.1/11

Out: -1497.029+/-270.644 χ^2/NDF :26.8/13

All: -637.873+/-193.325 χ^2/NDF : 53.5/25

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 864.560+/-0.191 χ^2/NDF : 623628.3/13

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

Left In: 848.243+/-0.195 χ^2/NDF : 536881.5/11

Left: 856.568+/-0.137 χ^2/NDF : 1164070.2/25

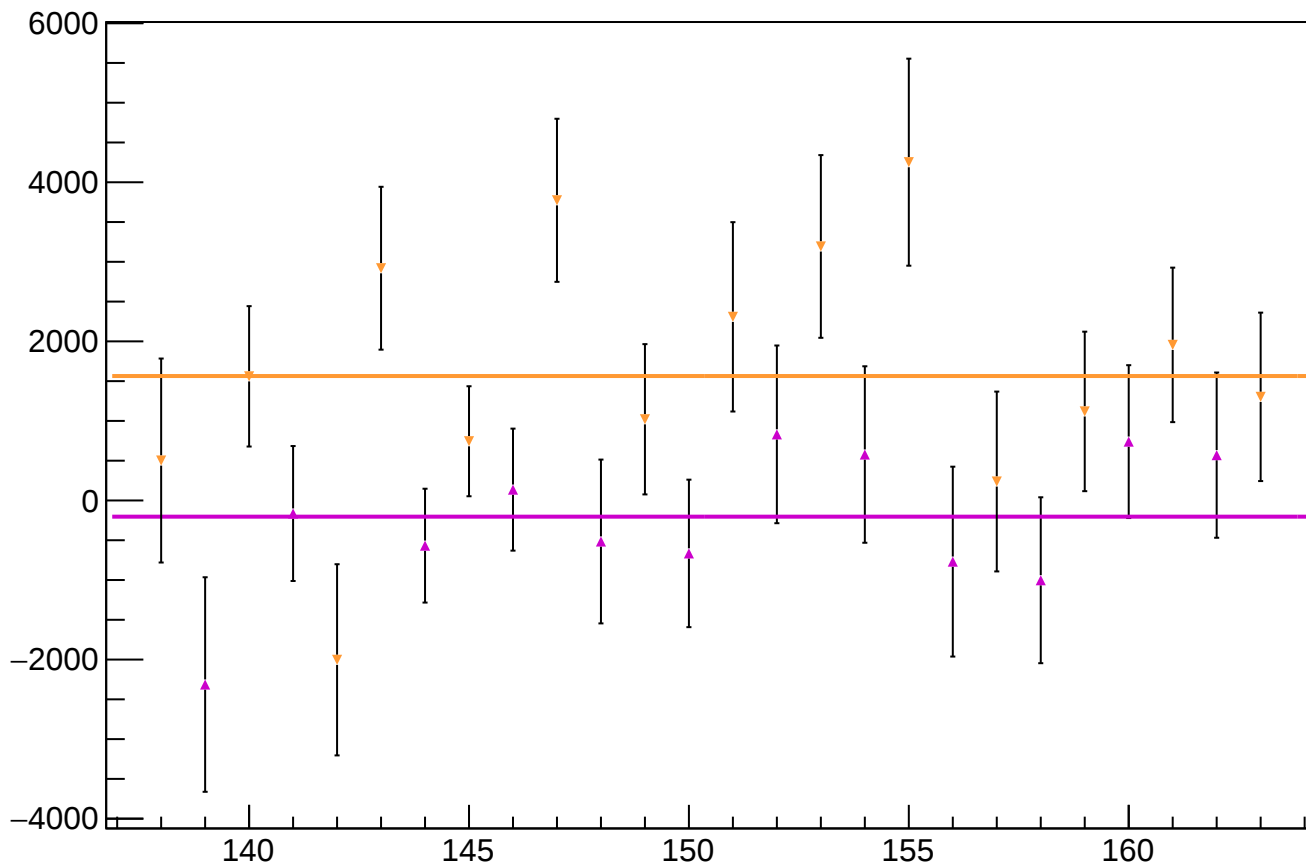
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 848.243+/-0.195 χ^2/NDF : 536881.5/11

Out: 864.560+/-0.191 χ^2/NDF : 623628.3/13

All: 856.568+/-0.137 χ^2/NDF : 1164070.2/25

asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 1564.192+/-272.279 χ^2/NDF :26.1/13

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

Left In: -203.592+/-277.922 χ^2/NDF :6.9/11

Left: 698.428+/-194.495 χ^2/NDF : 53.7/25

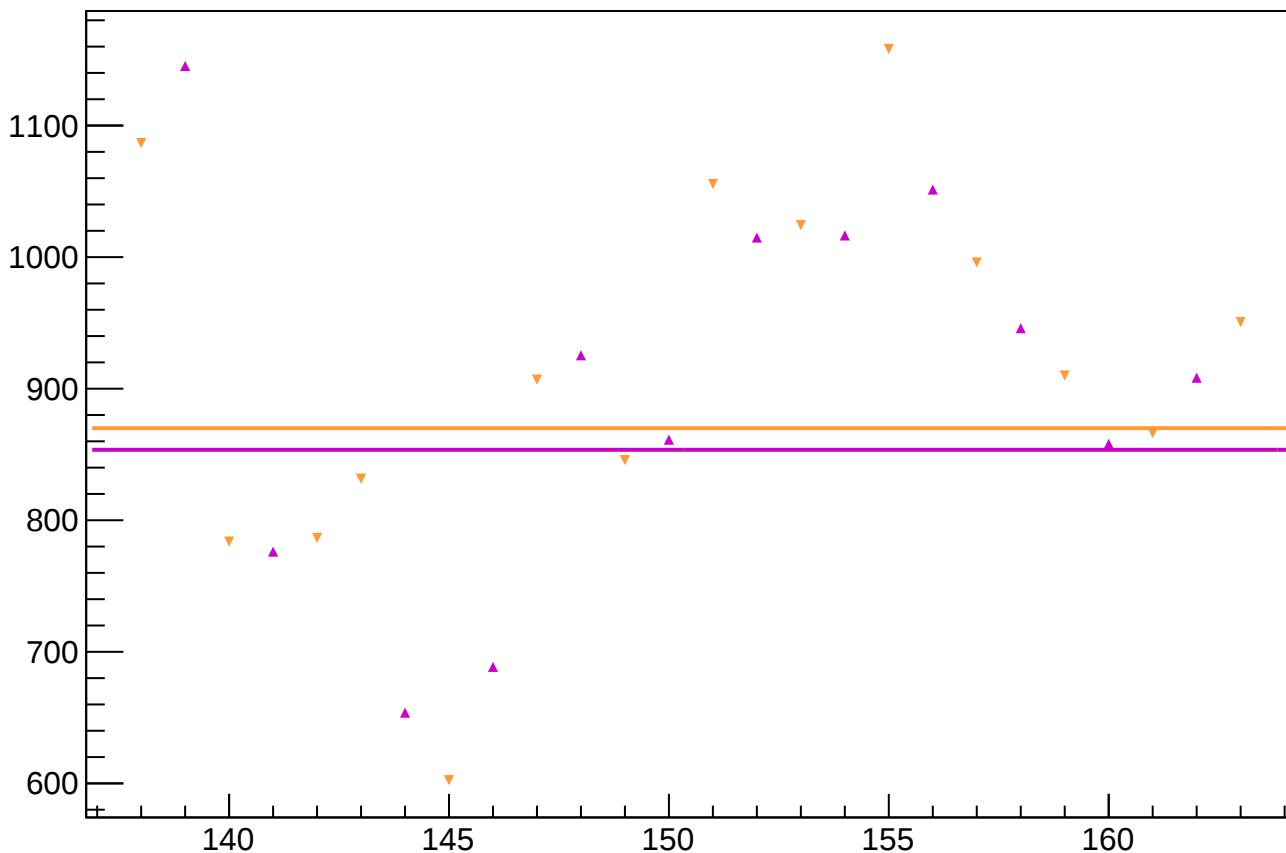
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -203.592+/-277.922 χ^2/NDF :6.9/11

Out: 1564.192+/-272.279 χ^2/NDF :26.1/13

All: 698.428+/-194.495 χ^2/NDF : 53.7/25

asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 869.990+/-0.193 χ^2/NDF :614586.1/13

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

Left In: 853.560+/-0.197 χ^2/NDF :529733.5/11

Left: 861.944+/-0.138 χ^2/NDF : 1147886.3/25

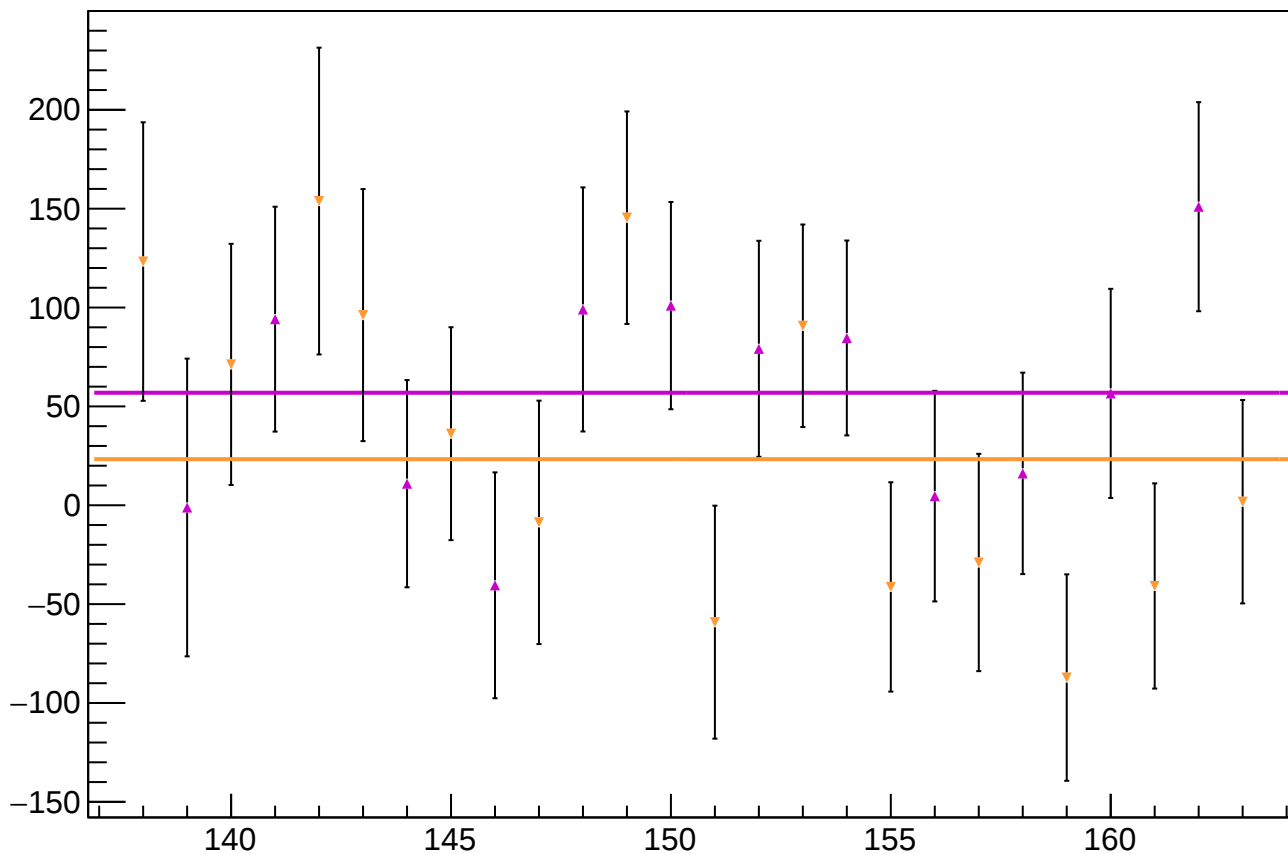
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 853.560+/-0.197 χ^2/NDF :529733.5/11

Out: 869.990+/-0.193 χ^2/NDF :614586.1/13

All: 861.944+/-0.138 χ^2/NDF : 1147886.3/25

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 23.328 $\pm$ 15.230 χ^2 /NDF:24.5/13

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 56.912 $\pm$ 15.845 χ^2 /NDF:11.1/11

Left: 39.455 $\pm$ 10.980 χ^2 /NDF: 38.0/25

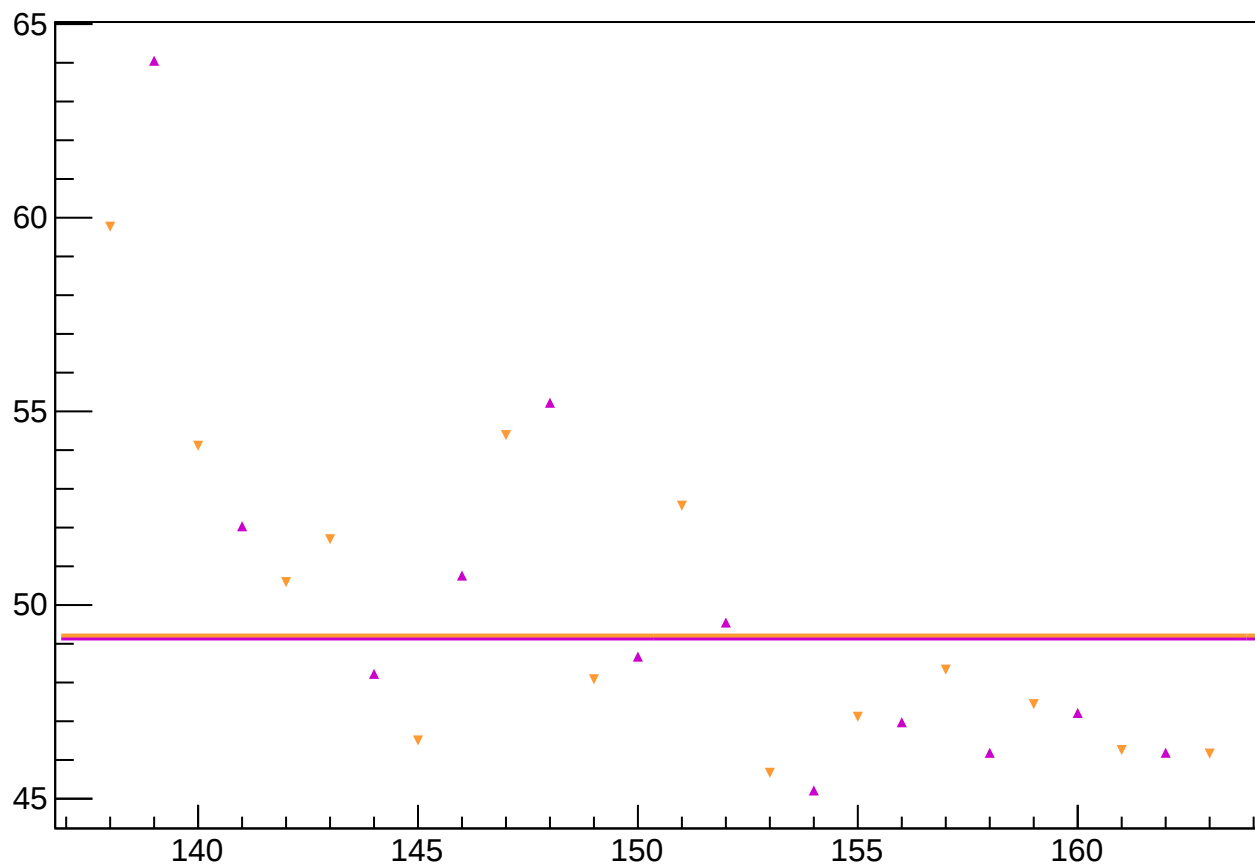
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 56.912 $\pm$ 15.845 χ^2 /NDF:11.1/11

Out: 23.328 $\pm$ 15.230 χ^2 /NDF:24.5/13

All: 39.455 $\pm$ 10.980 χ^2 /NDF: 38.0/25

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 49.212+/-0.011 χ^2/NDF :117087.7/13

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

Left In: 49.137+/-0.011 χ^2/NDF :137189.6/11

Left: 49.176+/-0.008 χ^2/NDF : 254301.1/25

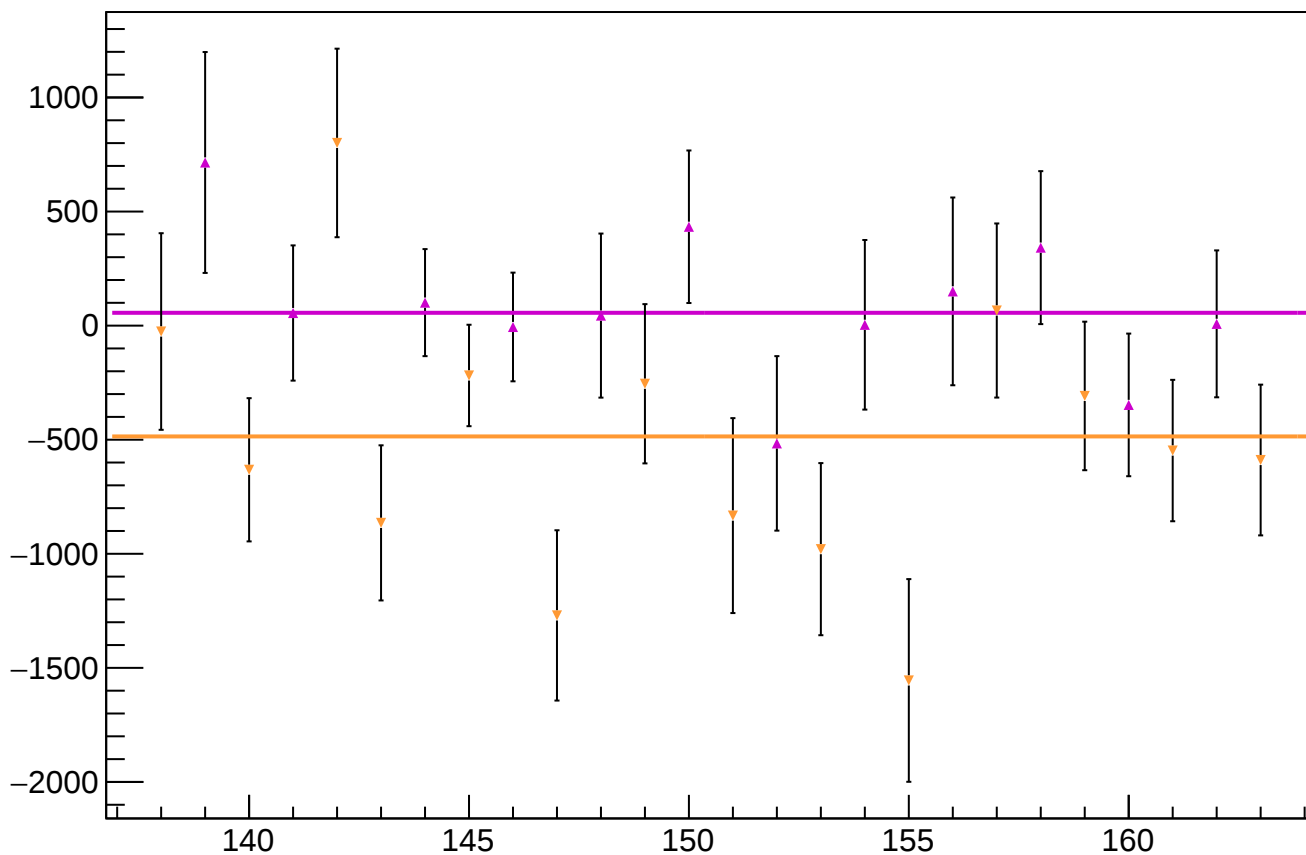
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 49.137+/-0.011 χ^2/NDF :137189.6/11

Out: 49.212+/-0.011 χ^2/NDF :117087.7/13

All: 49.176+/-0.008 χ^2/NDF : 254301.1/25

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -485.635 $\pm$ 91.619 χ^2 /NDF:29.3/13

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 56.254 $\pm$ 92.489 χ^2 /NDF:8.0/11

Left: -217.249 $\pm$ 65.090 χ^2 /NDF: 54.6/25

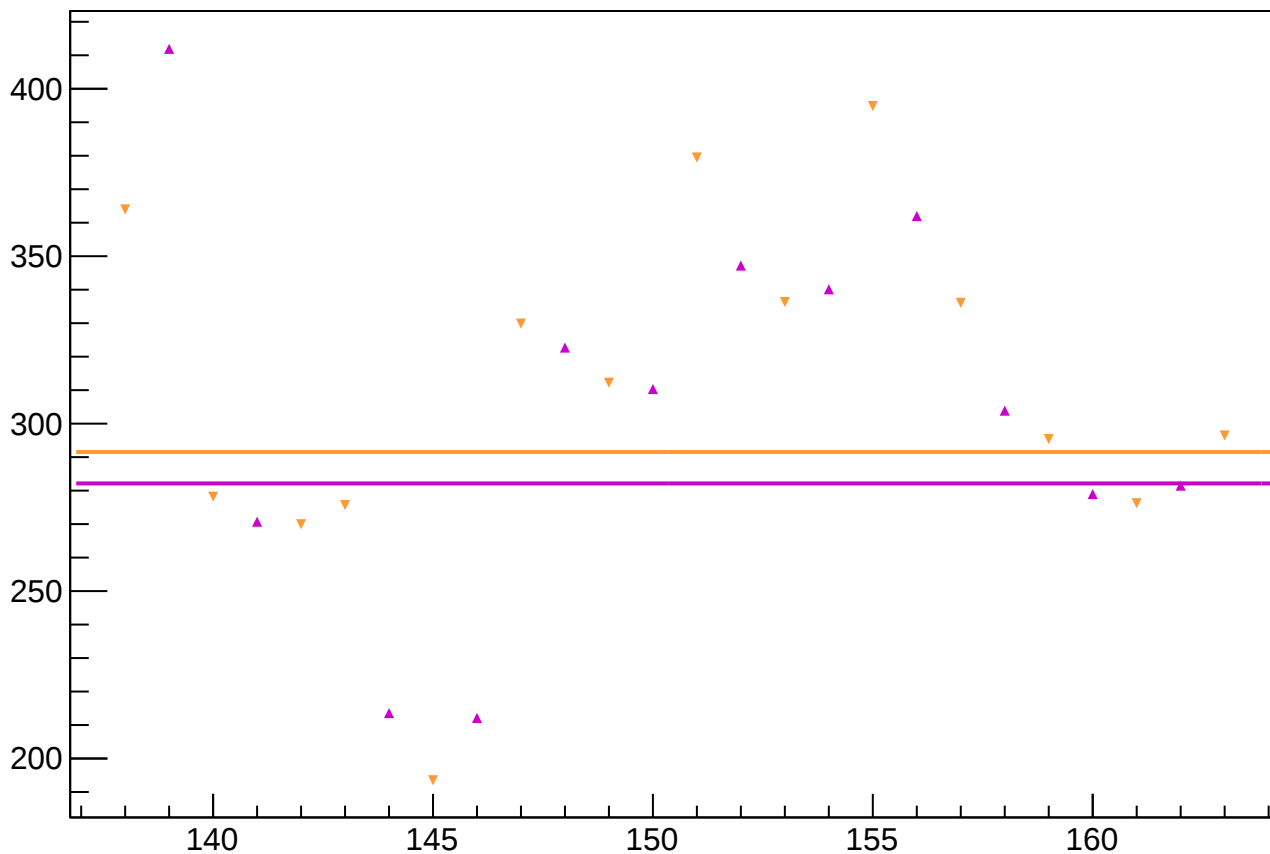
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 56.254 $\pm$ 92.489 χ^2 /NDF:8.0/11

Out: -485.635 $\pm$ 91.619 χ^2 /NDF:29.3/13

All: -217.249 $\pm$ 65.090 χ^2 /NDF: 54.6/25

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 291.539+/-0.065 χ^2/NDF : 740978.1/13

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

Left In: 282.151+/-0.065 χ^2/NDF : 720770.0/11

Left: 286.889+/-0.046 χ^2/NDF : 1472147.9/25

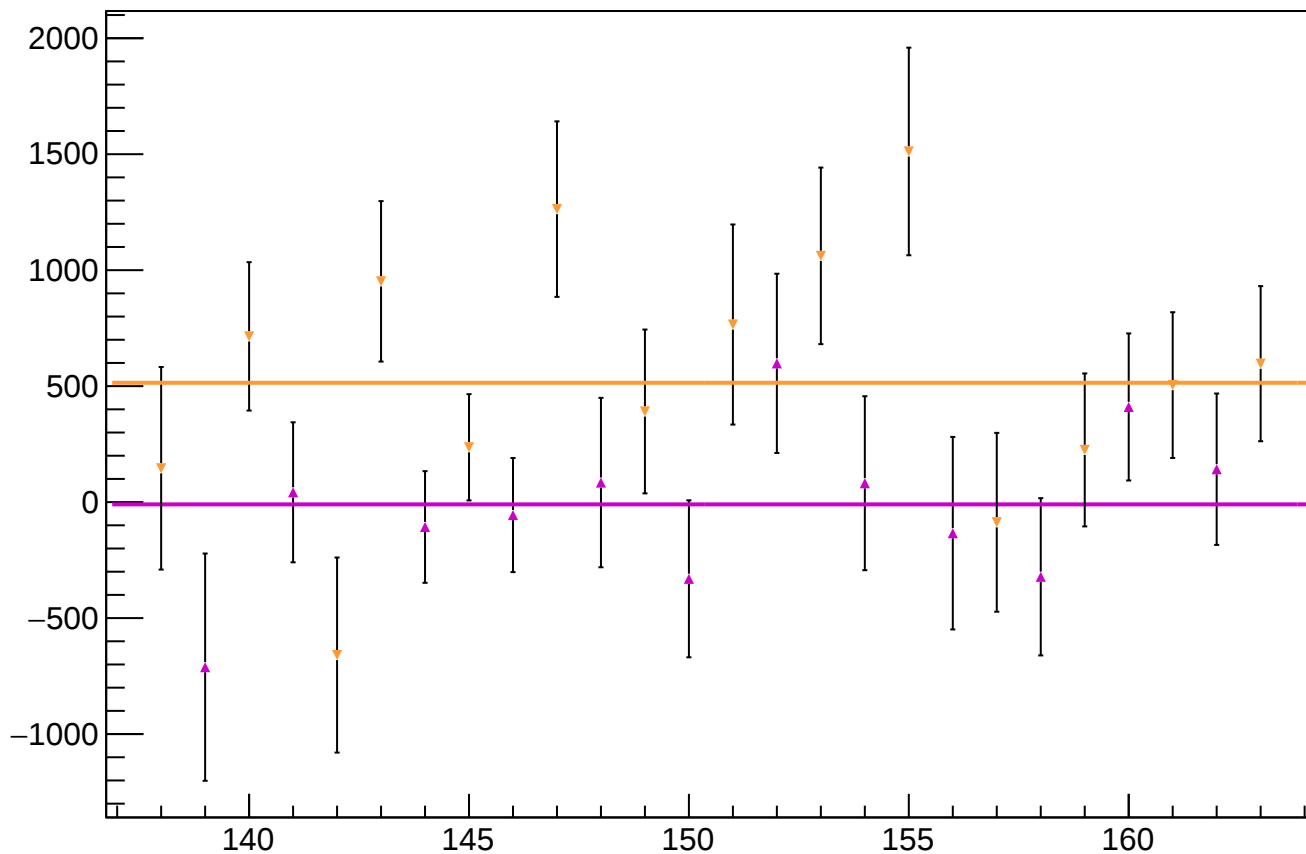
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 282.151+/-0.065 χ^2/NDF : 720770.0/11

Out: 291.539+/-0.065 χ^2/NDF : 740978.1/13

All: 286.889+/-0.046 χ^2/NDF : 1472147.9/25

asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 514.594+/-93.108 χ^2/NDF :26.6/13

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

Left In: -9.766+/-94.154 χ^2/NDF :8.7/11

Left: 255.343+/-66.204 χ^2/NDF : 51.0/25

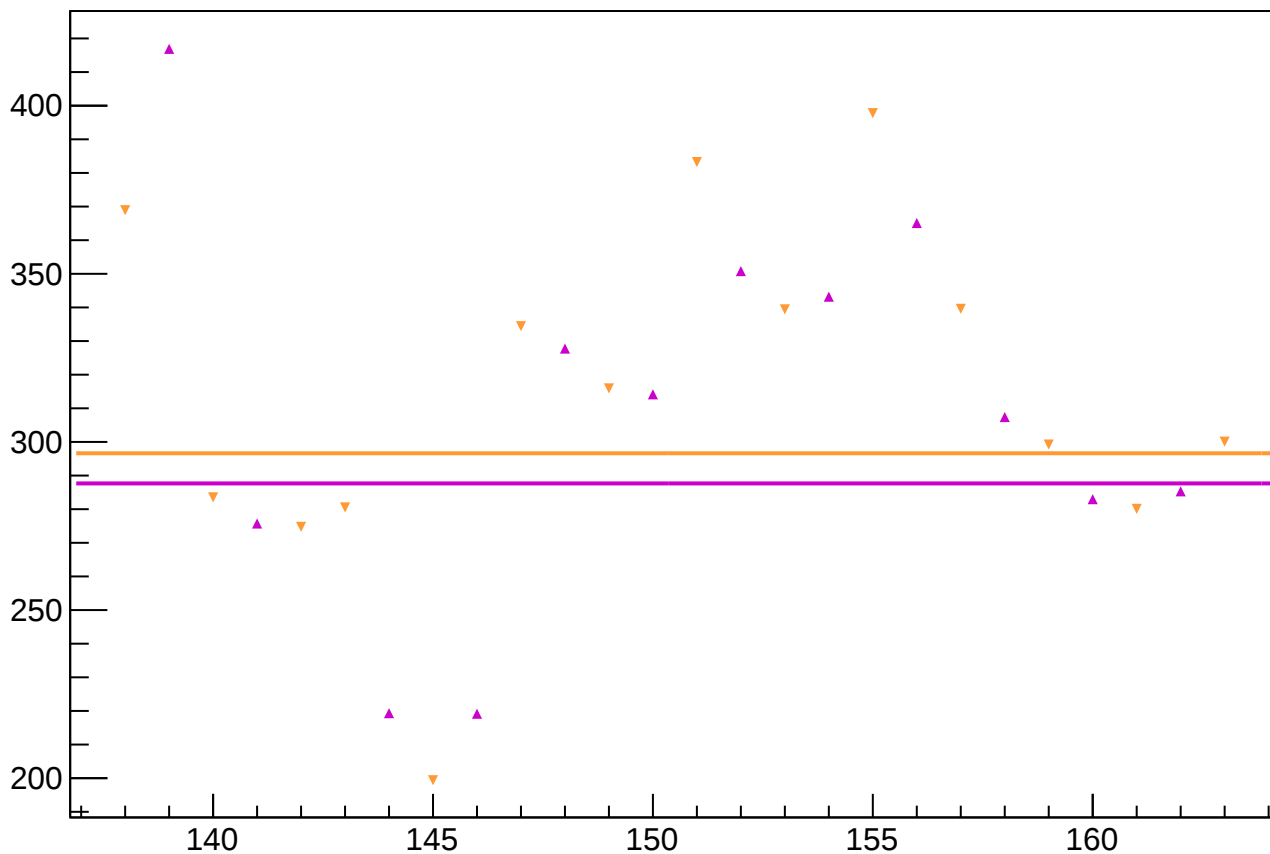
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -9.766+/-94.154 χ^2/NDF :8.7/11

Out: 514.594+/-93.108 χ^2/NDF :26.6/13

All: 255.343+/-66.204 χ^2/NDF : 51.0/25

asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 296.637+/-0.066 χ^2/NDF : 693059.7/13

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

Left In: 287.663+/-0.067 χ^2/NDF : 669015.7/11

Left: 292.200+/-0.047 χ^2/NDF : 1371261.5/25

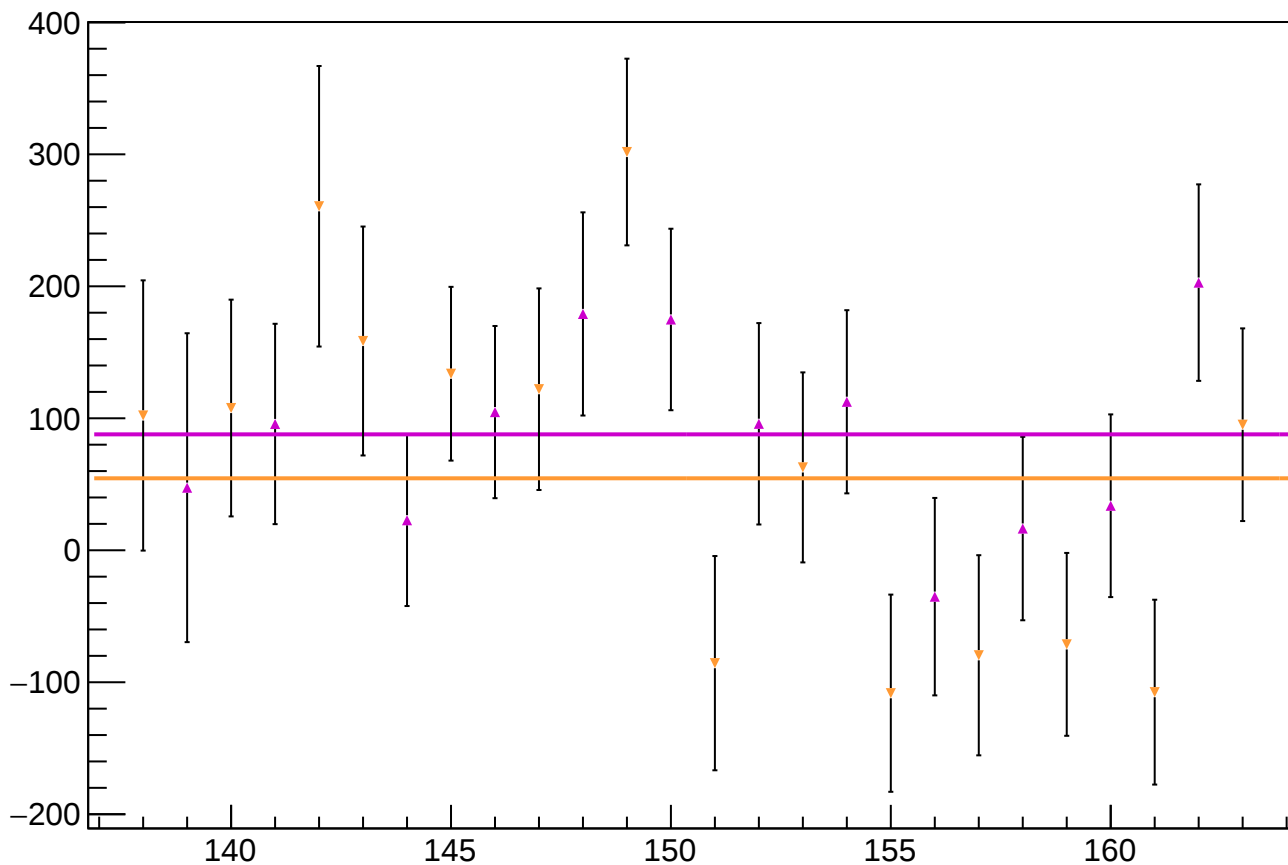
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 287.663+/-0.067 χ^2/NDF : 669015.7/11

Out: 296.637+/-0.066 χ^2/NDF : 693059.7/13

All: 292.200+/-0.047 χ^2/NDF : 1371261.5/25

reg_asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 54.528 $\pm$ 20.562 χ^2 /NDF:40.1/13

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 87.829 $\pm$ 21.068 χ^2 /NDF:11.1/11

Left: 70.774 $\pm$ 14.715 χ^2 /NDF: 52.5/25

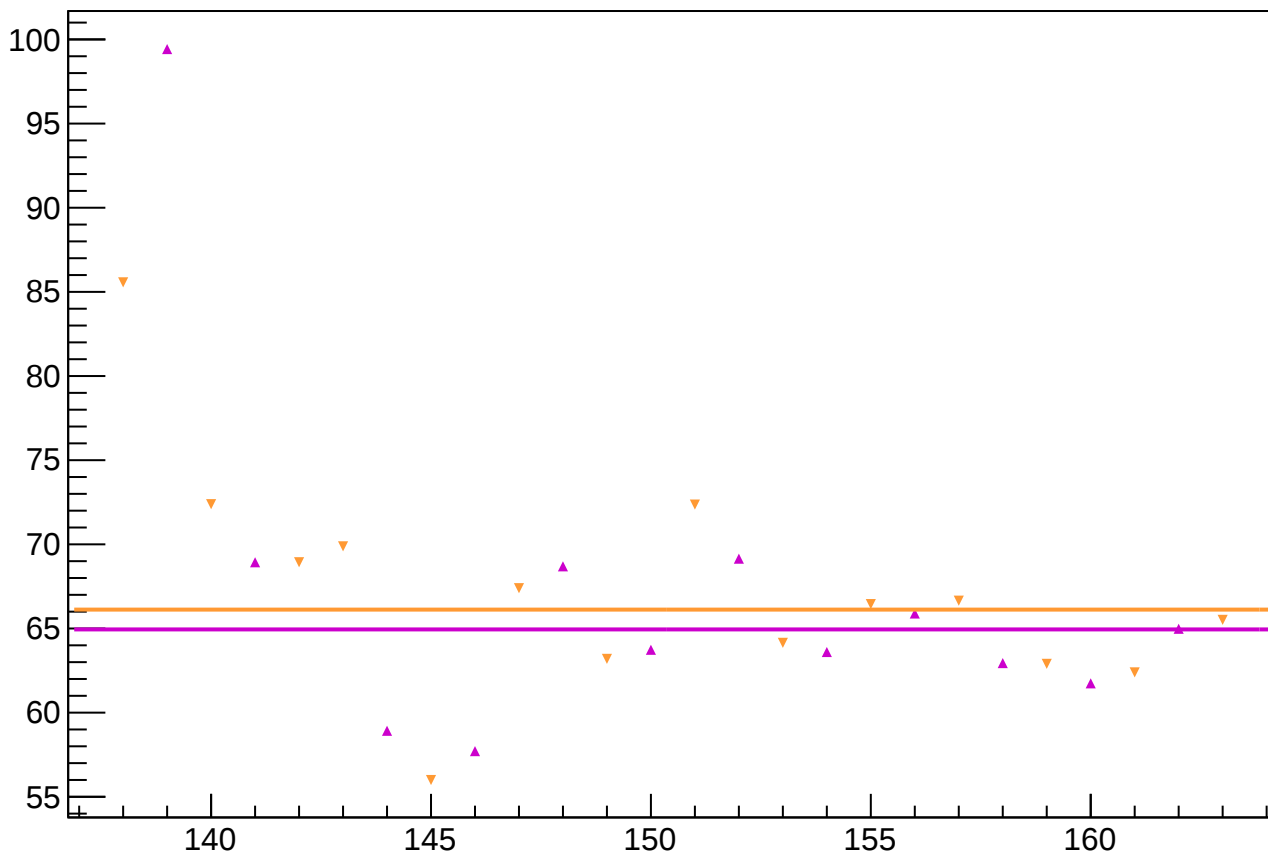
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 87.829 $\pm$ 21.068 χ^2 /NDF:11.1/11

Out: 54.528 $\pm$ 20.562 χ^2 /NDF:40.1/13

All: 70.774 $\pm$ 14.715 χ^2 /NDF: 52.5/25

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 66.122+/-0.015 χ^2/NDF :163852.8/13

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

Left In: 64.945+/-0.015 χ^2/NDF :239381.7/11

Left: 65.548+/-0.010 χ^2/NDF : 406433.7/25

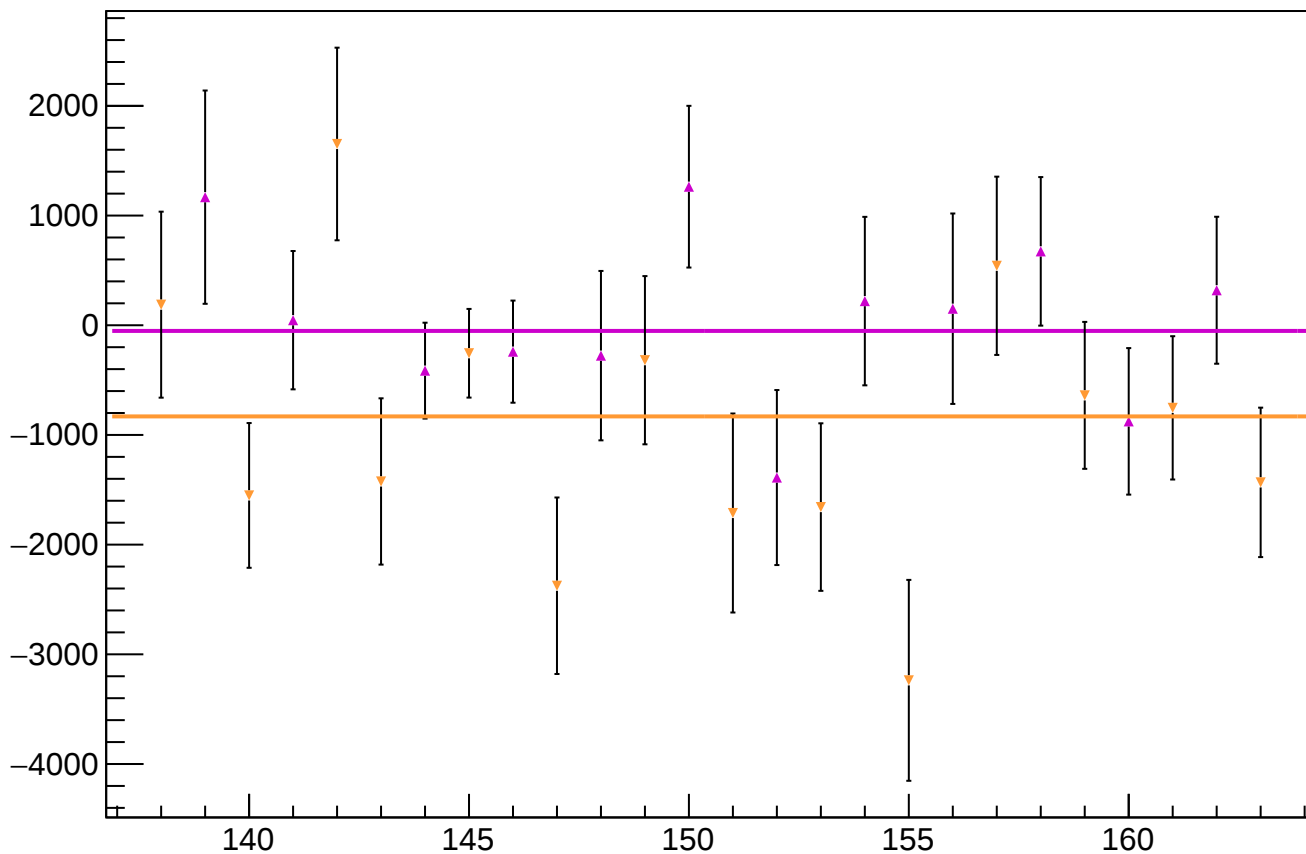
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 64.945+/-0.015 χ^2/NDF :239381.7/11

Out: 66.122+/-0.015 χ^2/NDF :163852.8/13

All: 65.548+/-0.010 χ^2/NDF : 406433.7/25

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -831.080+/-187.462 χ^2/NDF :30.2/13

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

Left In: -51.679+/-188.362 χ^2/NDF :11.7/11

Left: -443.245+/-132.873 χ^2/NDF : 50.4/25

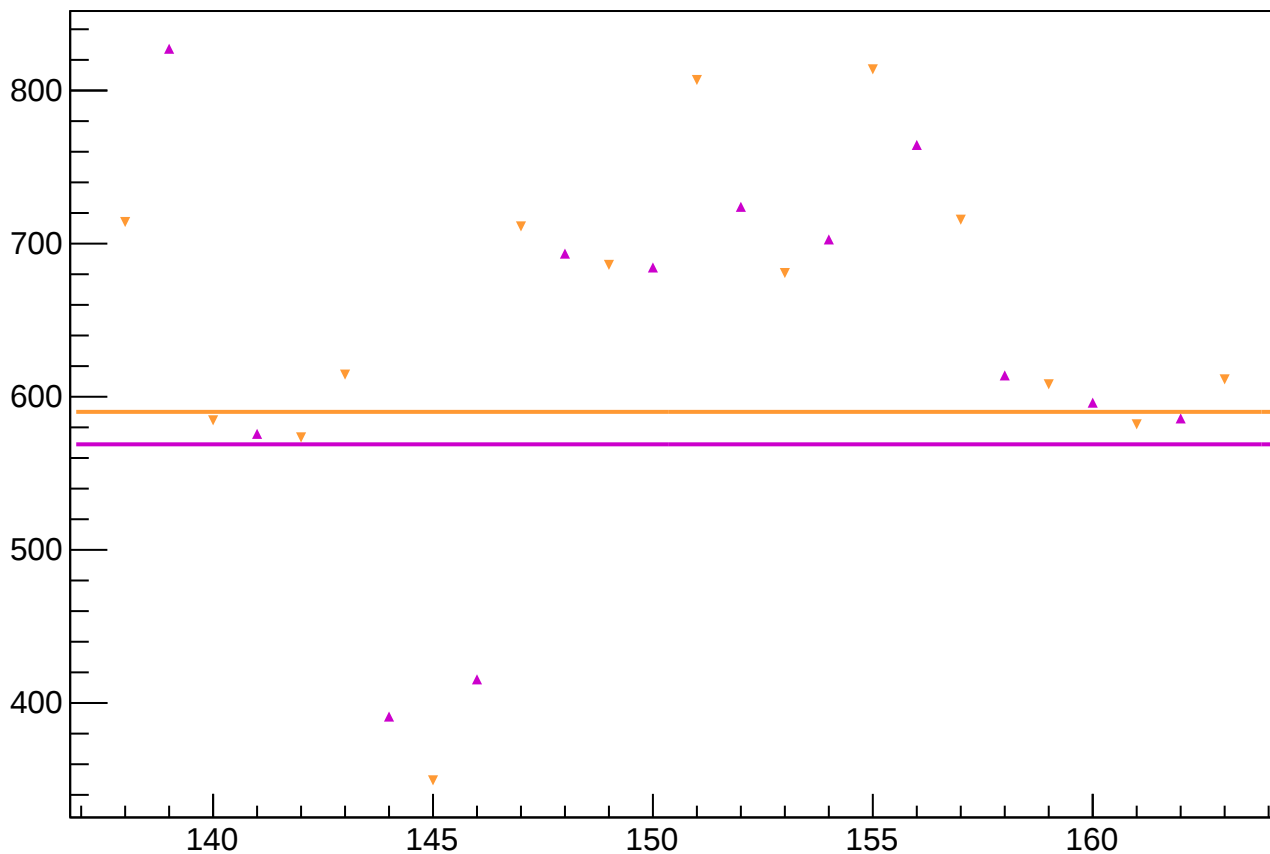
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -51.679+/-188.362 χ^2/NDF :11.7/11

Out: -831.080+/-187.462 χ^2/NDF :30.2/13

All: -443.245+/-132.873 χ^2/NDF : 50.4/25

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 590.130+/-0.133 χ^2/NDF :1144418.2/13

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

Left In: 568.927+/-0.133 χ^2/NDF :1042241.4/11

Left: 579.579+/-0.094 χ^2/NDF : 2199392.3/25

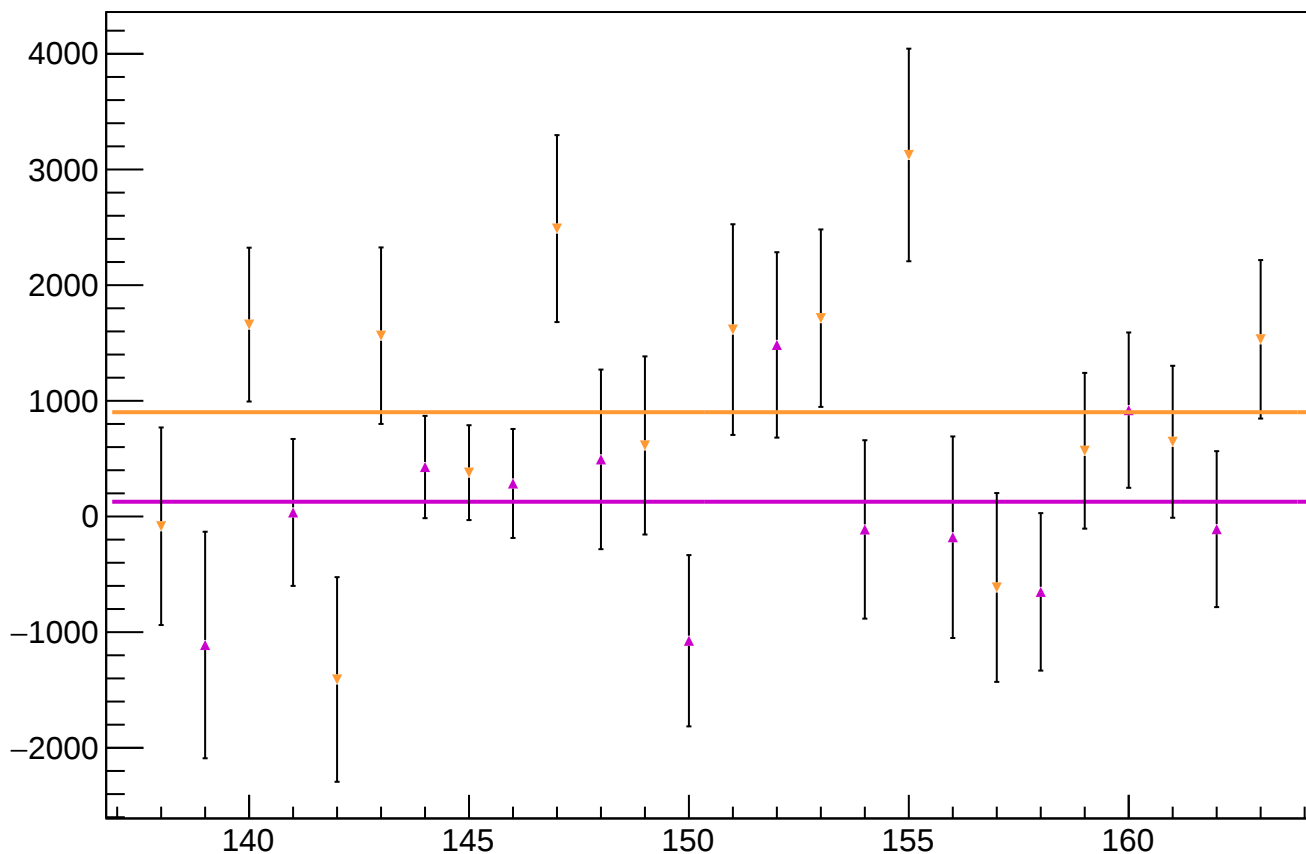
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 568.927+/-0.133 χ^2/NDF :1042241.4/11

Out: 590.130+/-0.133 χ^2/NDF :1144418.2/13

All: 579.579+/-0.094 χ^2/NDF : 2199392.3/25

asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 901.572+/-188.866 χ^2/NDF : 28.1/13

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

Left In: 127.486+/-189.819 χ^2/NDF : 11.0/11

Left: 516.478+/-133.884 χ^2/NDF : 47.4/25

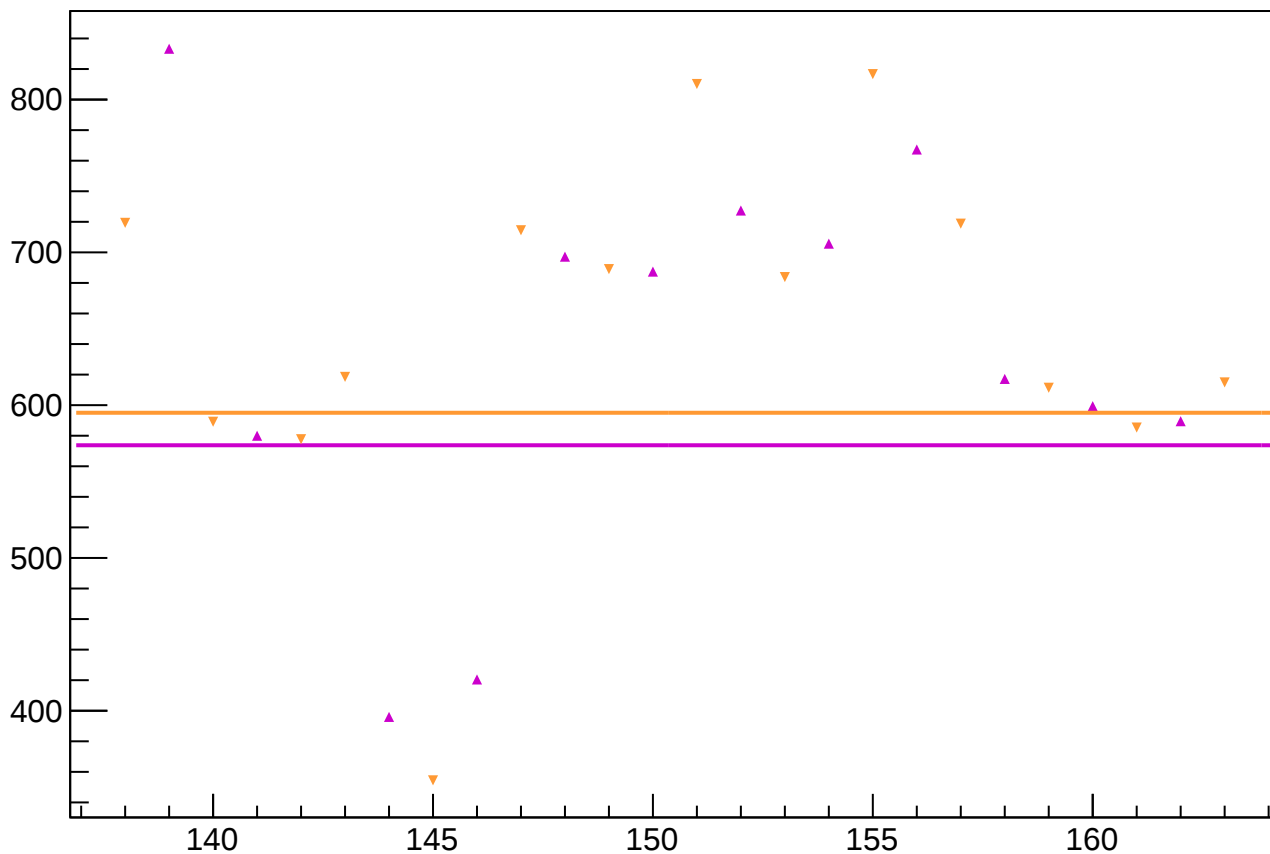
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 127.486+/-189.819 χ^2/NDF : 11.0/11

Out: 901.572+/-188.866 χ^2/NDF : 28.1/13

All: 516.478+/-133.884 χ^2/NDF : 47.4/25

asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 595.031+/-0.134 χ^2/NDF :1111248.2/13

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

Left In: 573.757+/-0.134 χ^2/NDF :1016065.3/11

Left: 584.448+/-0.095 χ^2/NDF : 2139937.1/25

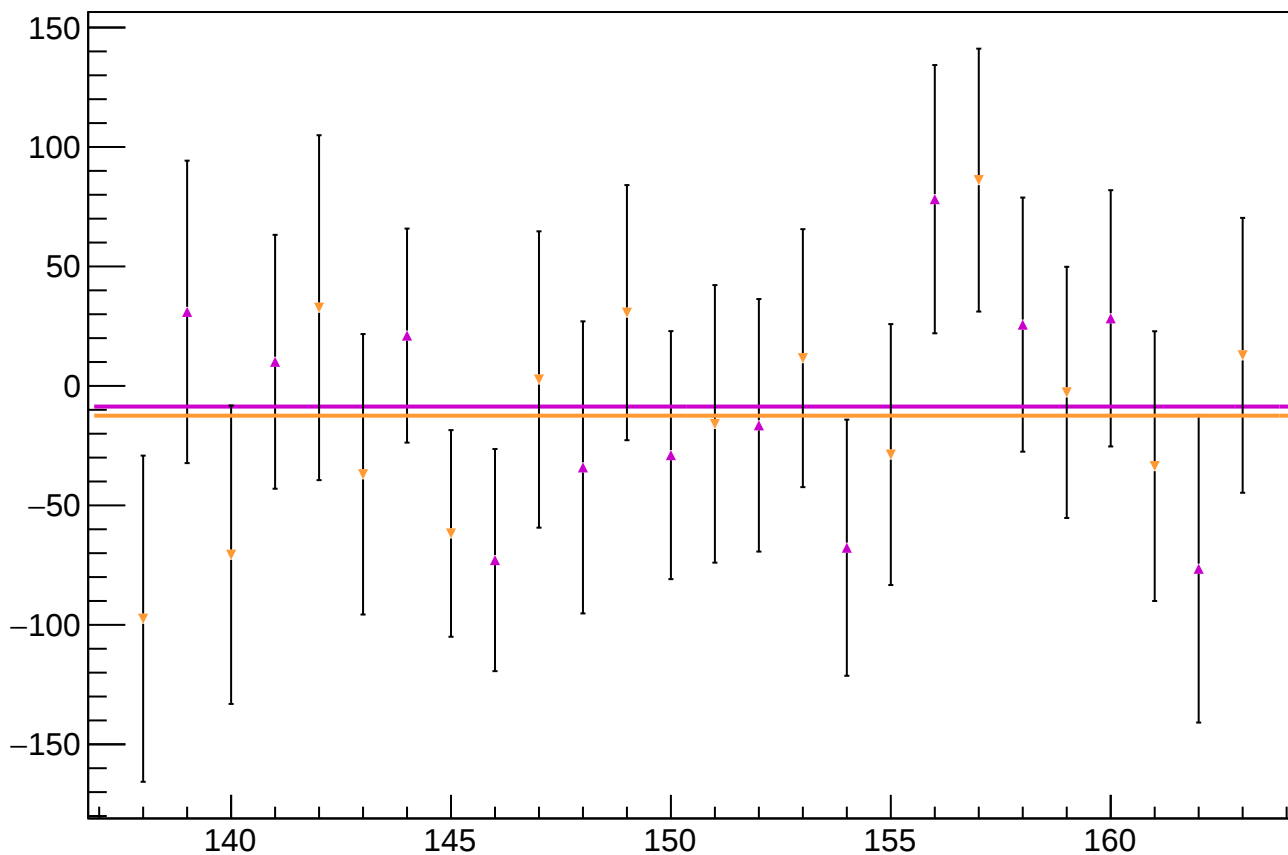
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 573.757+/-0.134 χ^2/NDF :1016065.3/11

Out: 595.031+/-0.134 χ^2/NDF :1111248.2/13

All: 584.448+/-0.095 χ^2/NDF : 2139937.1/25

reg_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -12.454 ± 15.106 $\chi^2/\text{NDF}: 8.9/13$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -8.639 ± 15.485 $\chi^2/\text{NDF}: 8.8/11$

Left: -10.594 ± 10.813 $\chi^2/\text{NDF}: 17.7/25$

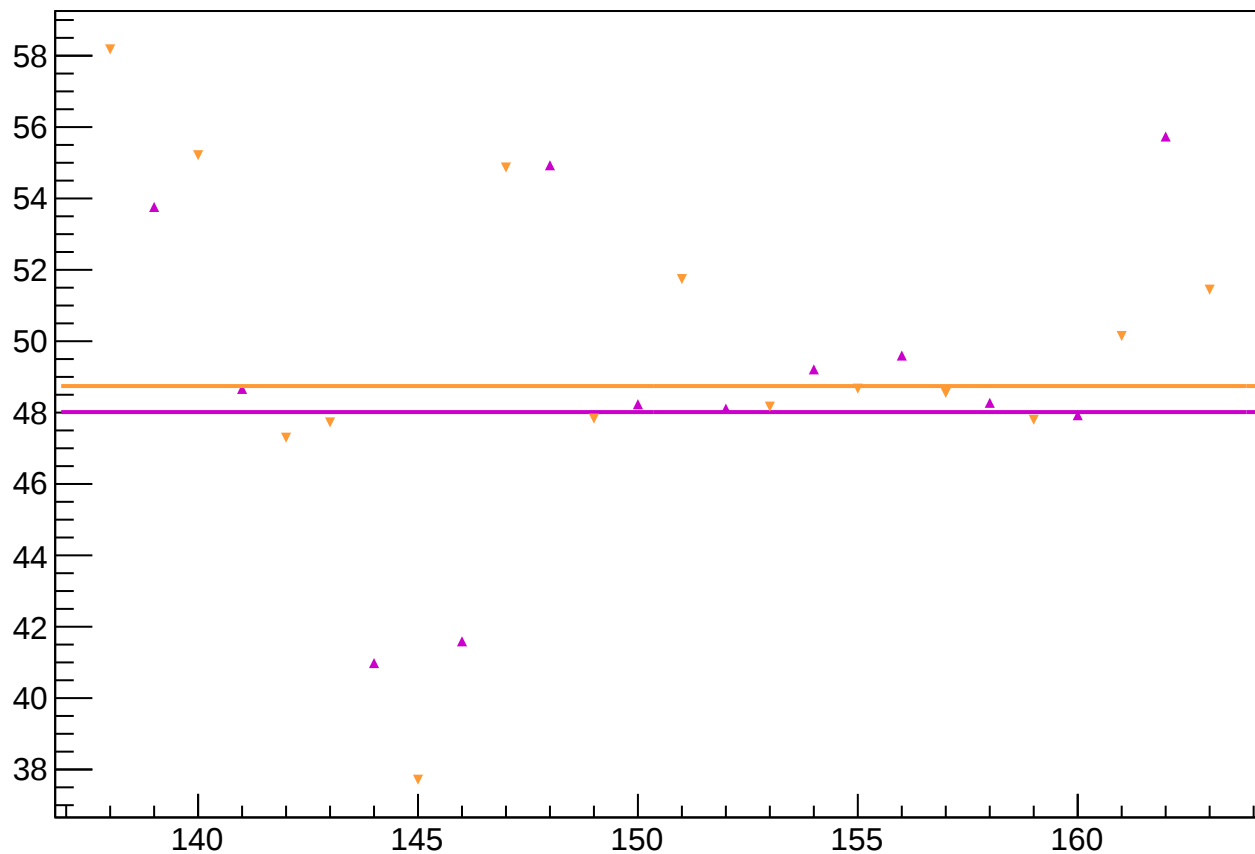
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -8.639 ± 15.485 $\chi^2/\text{NDF}: 8.8/11$

Out: -12.454 ± 15.106 $\chi^2/\text{NDF}: 8.9/13$

All: -10.594 ± 10.813 $\chi^2/\text{NDF}: 17.7/25$

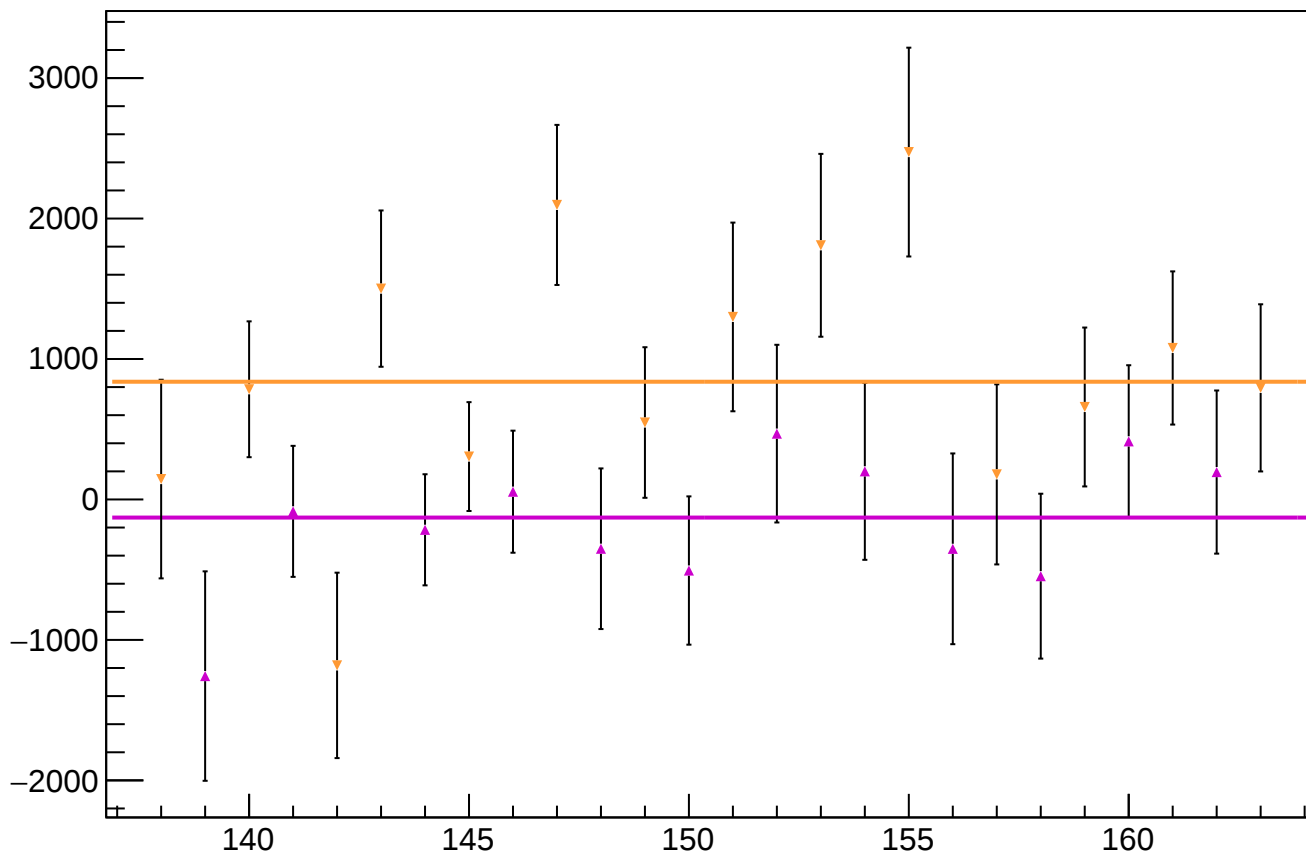
reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 Left Out: 48.743+/-0.011 χ^2 /NDF:223146.3/13
 Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 Left In: 48.014+/-0.011 χ^2 /NDF:161345.4/11

Left: 48.388+/-0.008 χ^2 /NDF: 386761.9/25
 Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 In: 48.014+/-0.011 χ^2 /NDF:161345.4/11
 Out: 48.743+/-0.011 χ^2 /NDF:223146.3/13
 All: 48.388+/-0.008 χ^2 /NDF: 386761.9/25

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: 838.149+/-152.225 χ^2/NDF : 27.7/13

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

Left In: -128.965+/-155.809 χ^2/NDF : 6.3/11

Left: 365.841+/-108.884 χ^2/NDF : 53.7/25

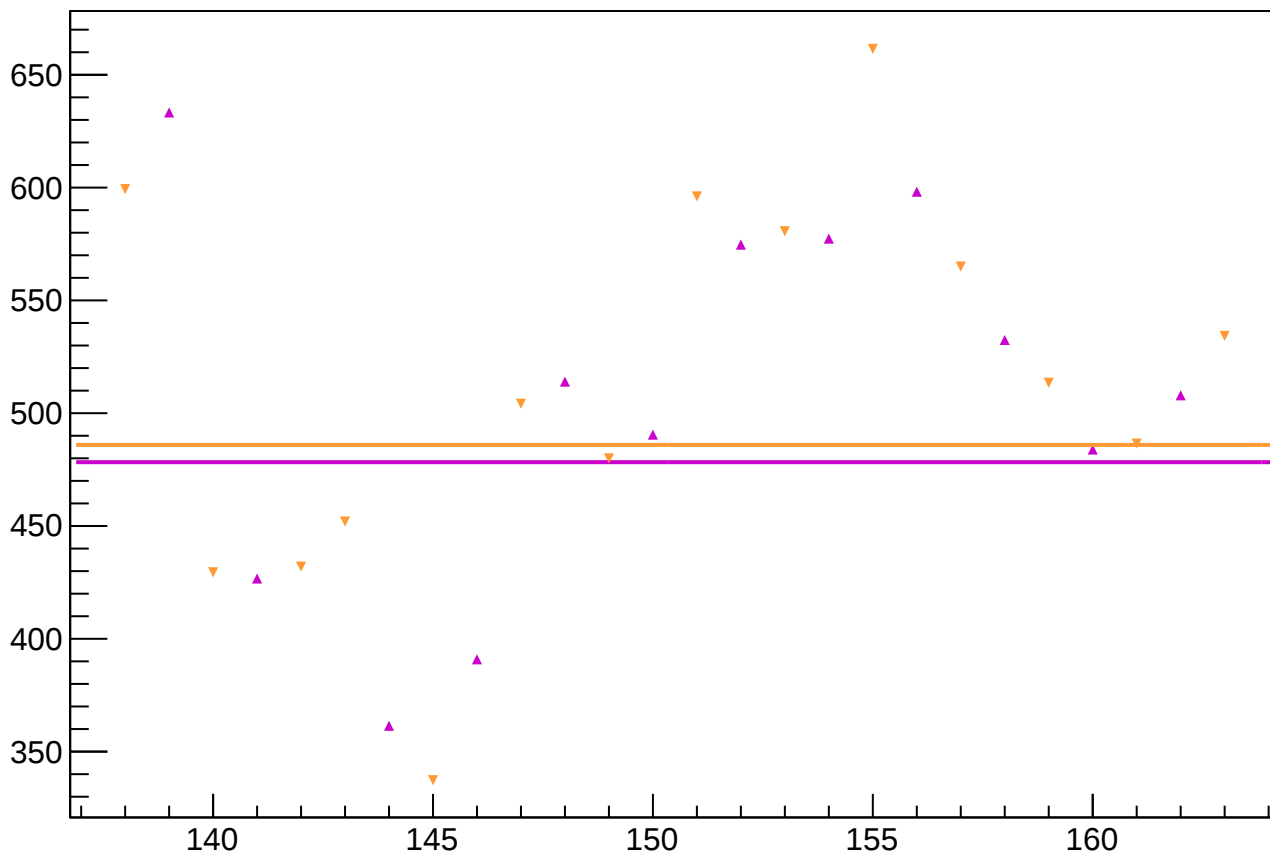
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -128.965+/-155.809 χ^2/NDF : 6.3/11

Out: 838.149+/-152.225 χ^2/NDF : 27.7/13

All: 365.841+/-108.884 χ^2/NDF : 53.7/25

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: 485.933+/-0.108 χ^2/NDF : 652064.0/13

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

Left In: 478.290+/-0.110 χ^2/NDF : 555964.7/11

Left: 482.200+/-0.077 χ^2/NDF : 1210491.0/25

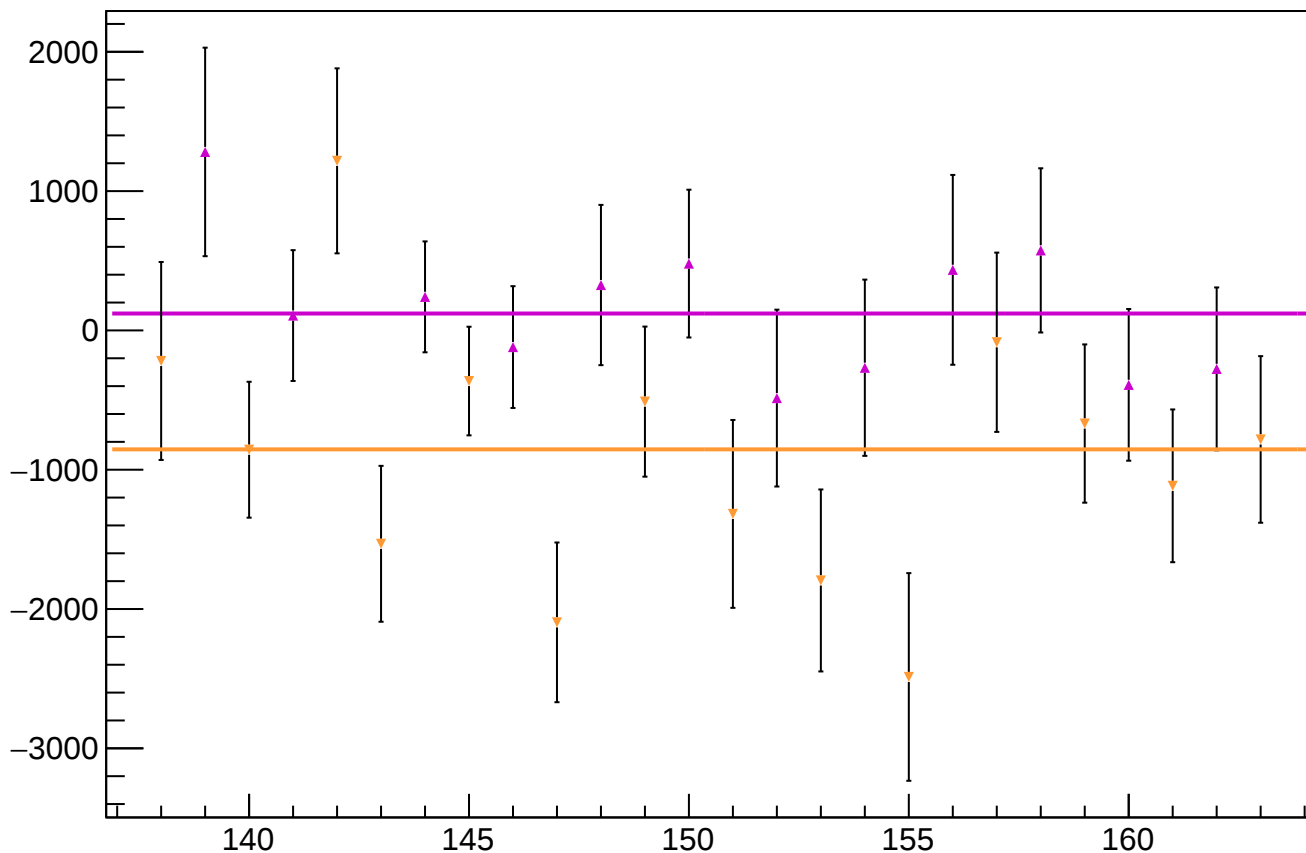
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 478.290+/-0.110 χ^2/NDF : 555964.7/11

Out: 485.933+/-0.108 χ^2/NDF : 652064.0/13

All: 482.200+/-0.077 χ^2/NDF : 1210491.0/25

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -853.925+/-153.050 χ^2/NDF :27.8/13

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

Left In: 121.301+/-156.640 χ^2/NDF :6.8/11

Left: -377.618+/-109.470 χ^2/NDF : 54.5/25

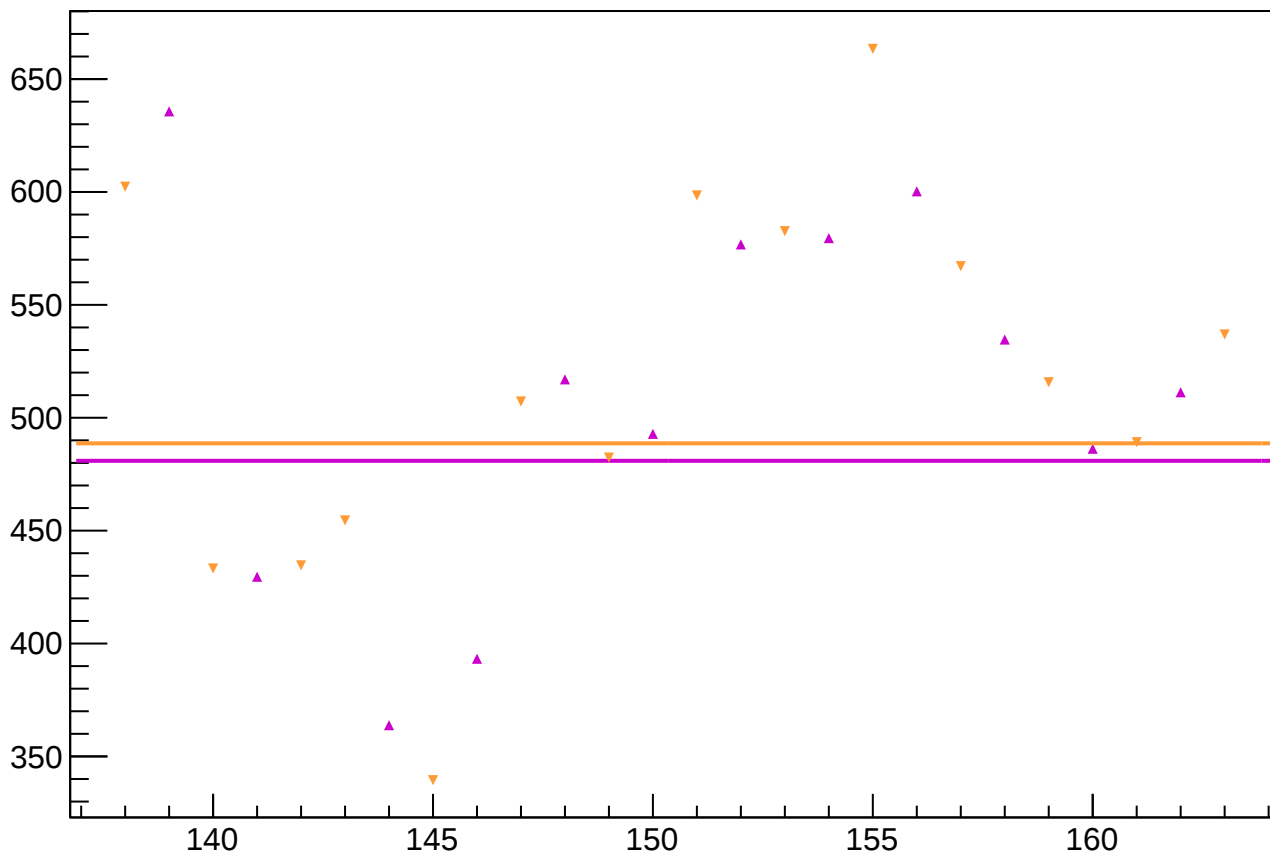
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 121.301+/-156.640 χ^2/NDF :6.8/11

Out: -853.925+/-153.050 χ^2/NDF :27.8/13

All: -377.618+/-109.470 χ^2/NDF : 54.5/25

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 488.671+/-0.108 χ^2/NDF : 644511.5/13

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

Left In: 480.934+/-0.111 χ^2/NDF : 549684.3/11

Left: 484.892+/-0.077 χ^2/NDF : 1196691.9/25

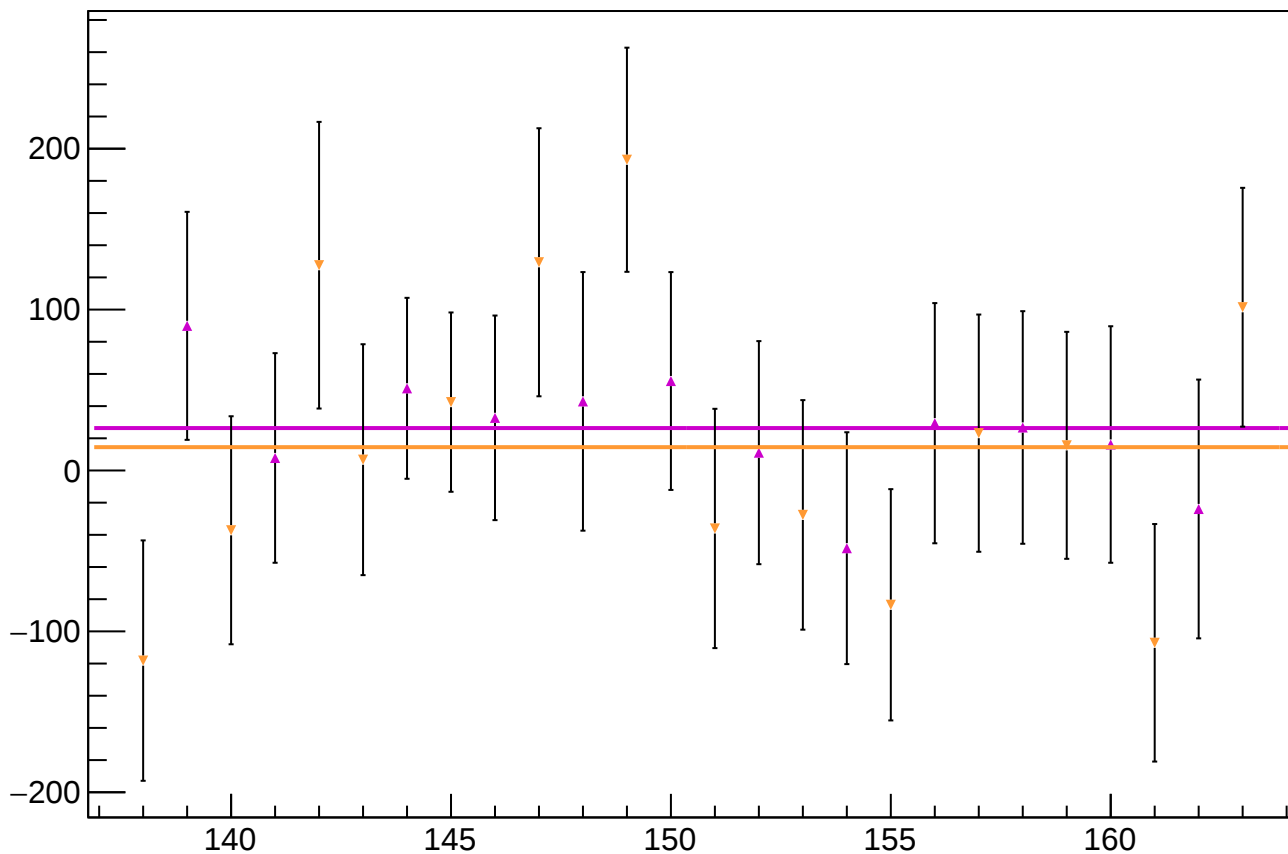
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 480.934+/-0.111 χ^2/NDF : 549684.3/11

Out: 488.671+/-0.108 χ^2/NDF : 644511.5/13

All: 484.892+/-0.077 χ^2/NDF : 1196691.9/25

reg_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 14.494 $\pm$ 19.274 χ^2 /NDF:20.8/13

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 26.361 $\pm$ 20.069 χ^2 /NDF:2.9/11

Left: 20.188 $\pm$ 13.901 χ^2 /NDF: 23.8/25

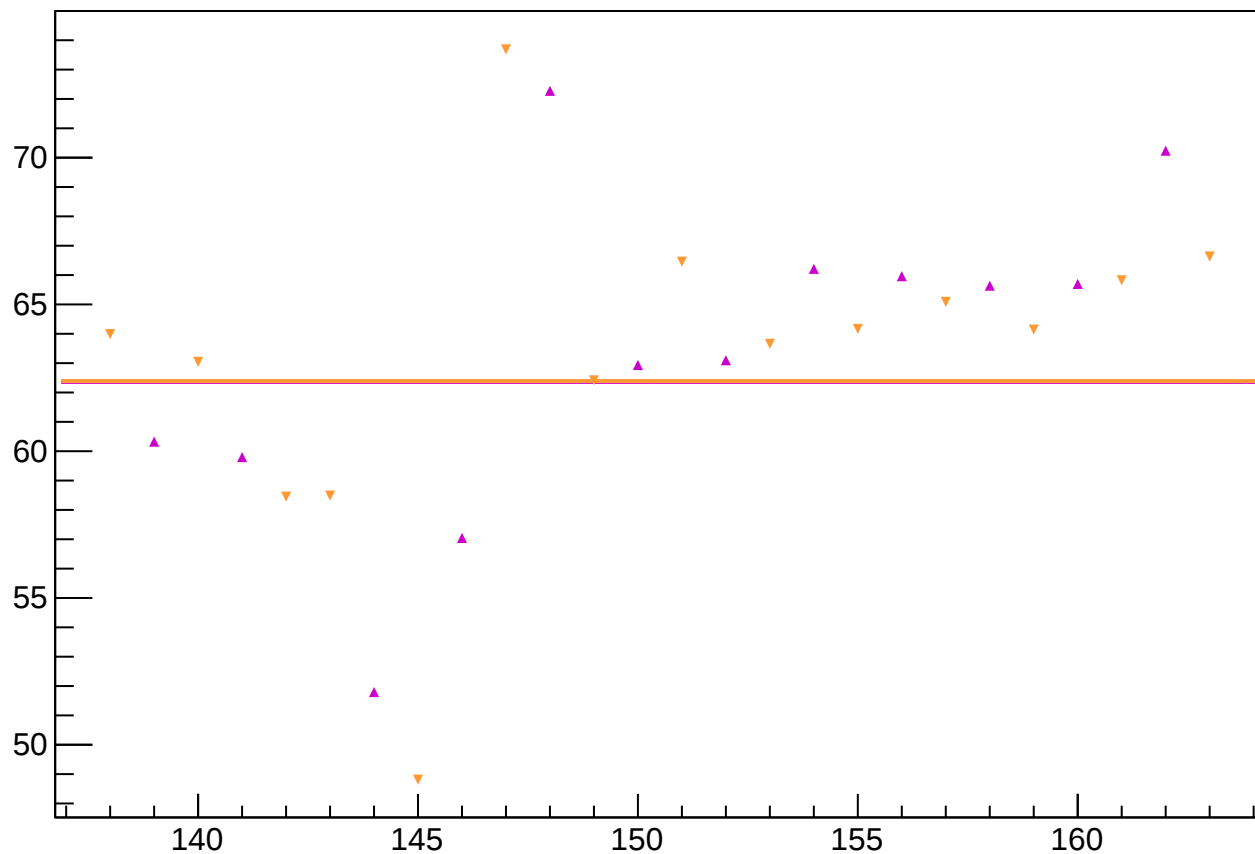
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 26.361 $\pm$ 20.069 χ^2 /NDF:2.9/11

Out: 14.494 $\pm$ 19.274 χ^2 /NDF:20.8/13

All: 20.188 $\pm$ 13.901 χ^2 /NDF: 23.8/25

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: 62.390+/-0.014 χ^2/NDF :189060.0/13

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

Left In: 62.361+/-0.014 χ^2/NDF :157951.8/11

Left: 62.376+/-0.010 χ^2/NDF : 347014.0/25

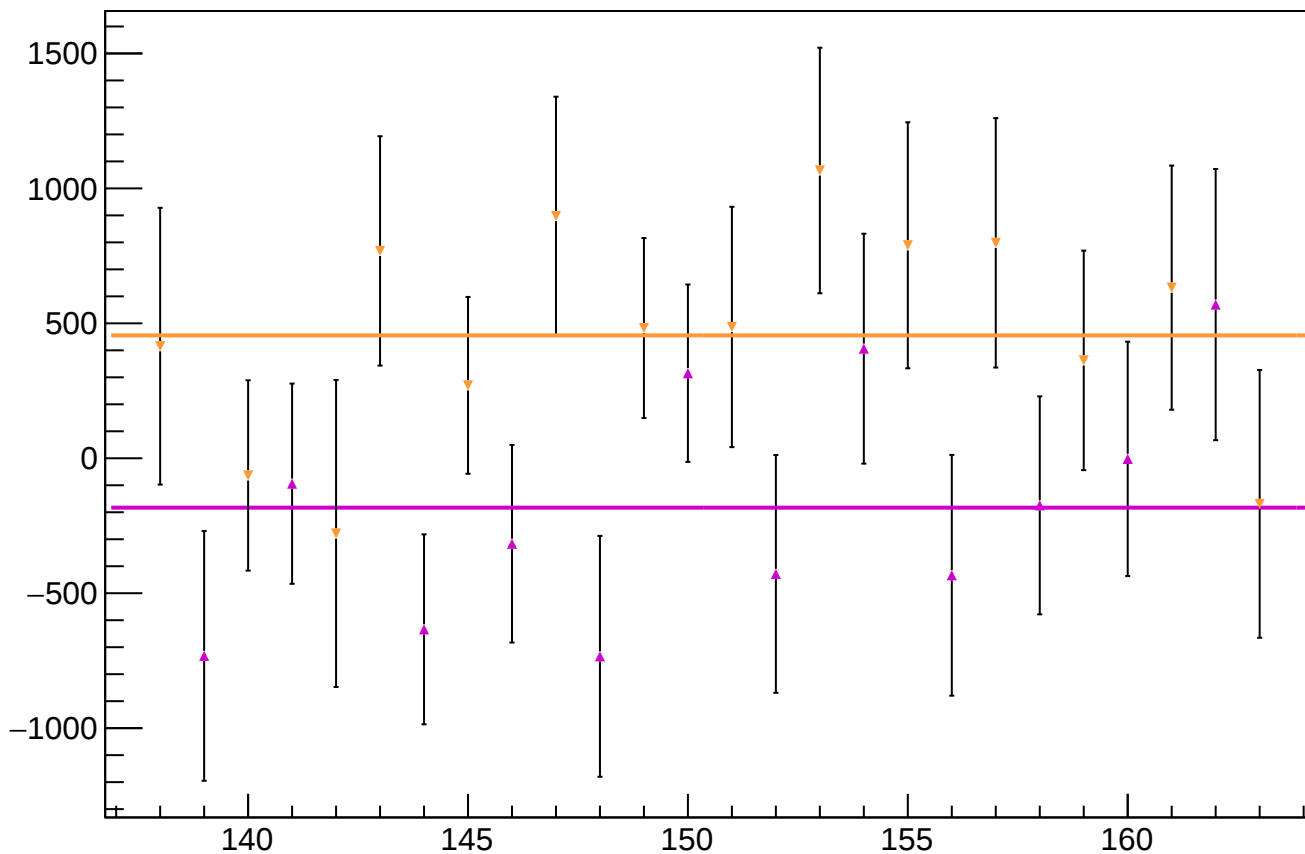
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 62.361+/-0.014 χ^2/NDF :157951.8/11

Out: 62.390+/-0.014 χ^2/NDF :189060.0/13

All: 62.376+/-0.010 χ^2/NDF : 347014.0/25

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: 455.451+/-113.040 χ^2/NDF :10.4/13

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

Left In: -182.942+/-117.187 χ^2/NDF :12.0/11

Left: 147.750+/-81.358 χ^2/NDF : 37.8/25

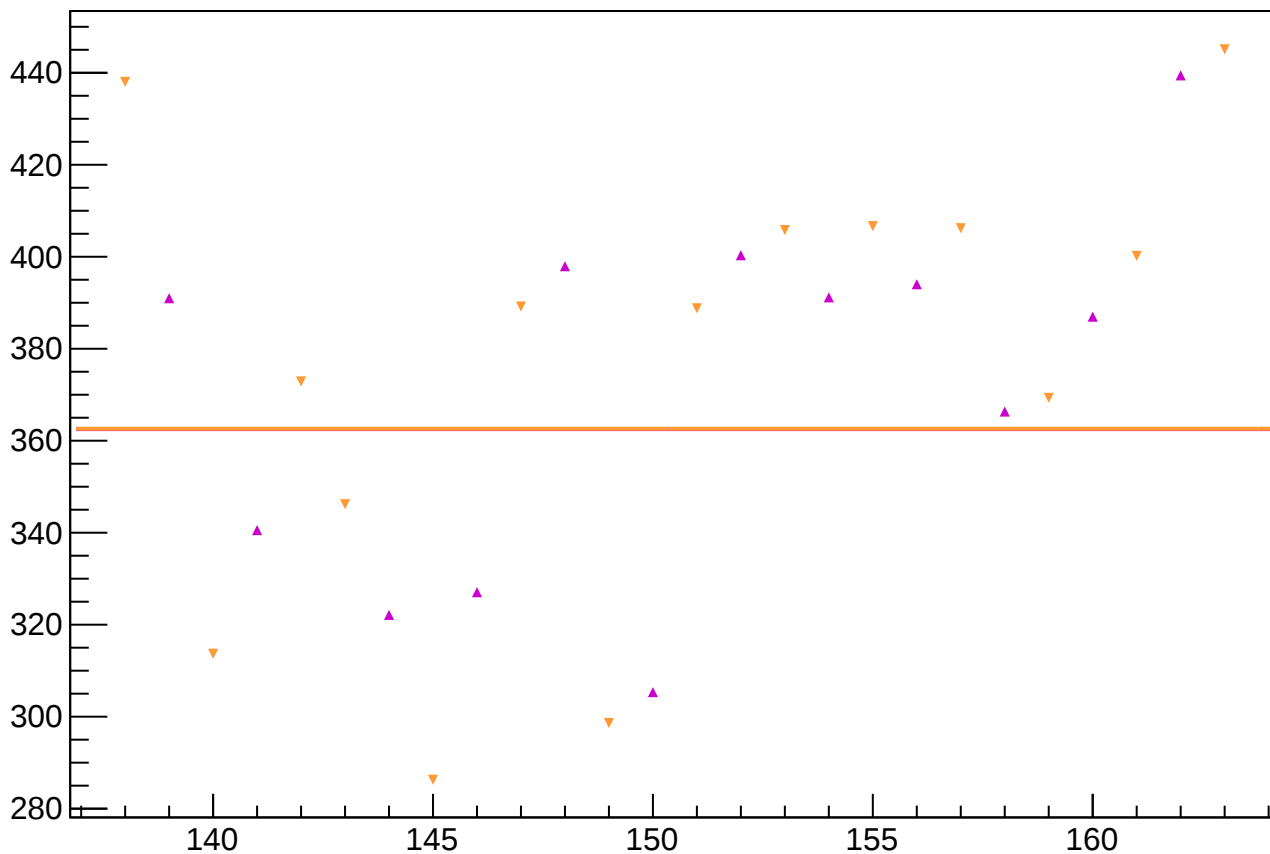
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -182.942+/-117.187 χ^2/NDF :12.0/11

Out: 455.451+/-113.040 χ^2/NDF :10.4/13

All: 147.750+/-81.358 χ^2/NDF : 37.8/25

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: 362.606+/-0.080 χ^2/NDF :405874.4/13

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

Left In: 362.528+/-0.083 χ^2/NDF :219942.7/11

Left: 362.569+/-0.058 χ^2/NDF : 625817.6/25

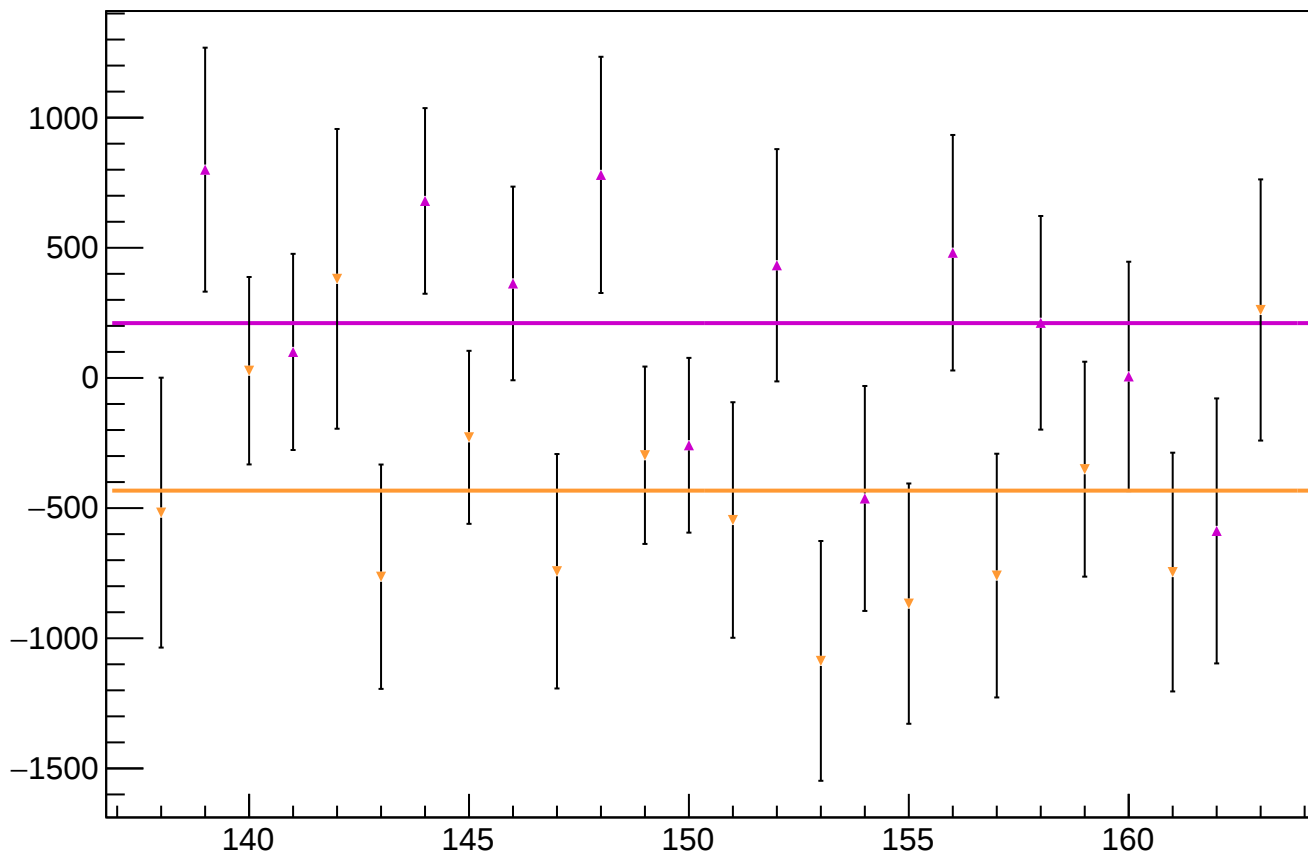
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 362.528+/-0.083 χ^2/NDF :219942.7/11

Out: 362.606+/-0.080 χ^2/NDF :405874.4/13

All: 362.569+/-0.058 χ^2/NDF : 625817.6/25

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -432.825+/-114.792 χ^2/NDF :11.1/13

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

Left In: 210.669+/-118.980 χ^2/NDF :12.8/11

Left: -122.602+/-82.611 χ^2/NDF : 39.1/25

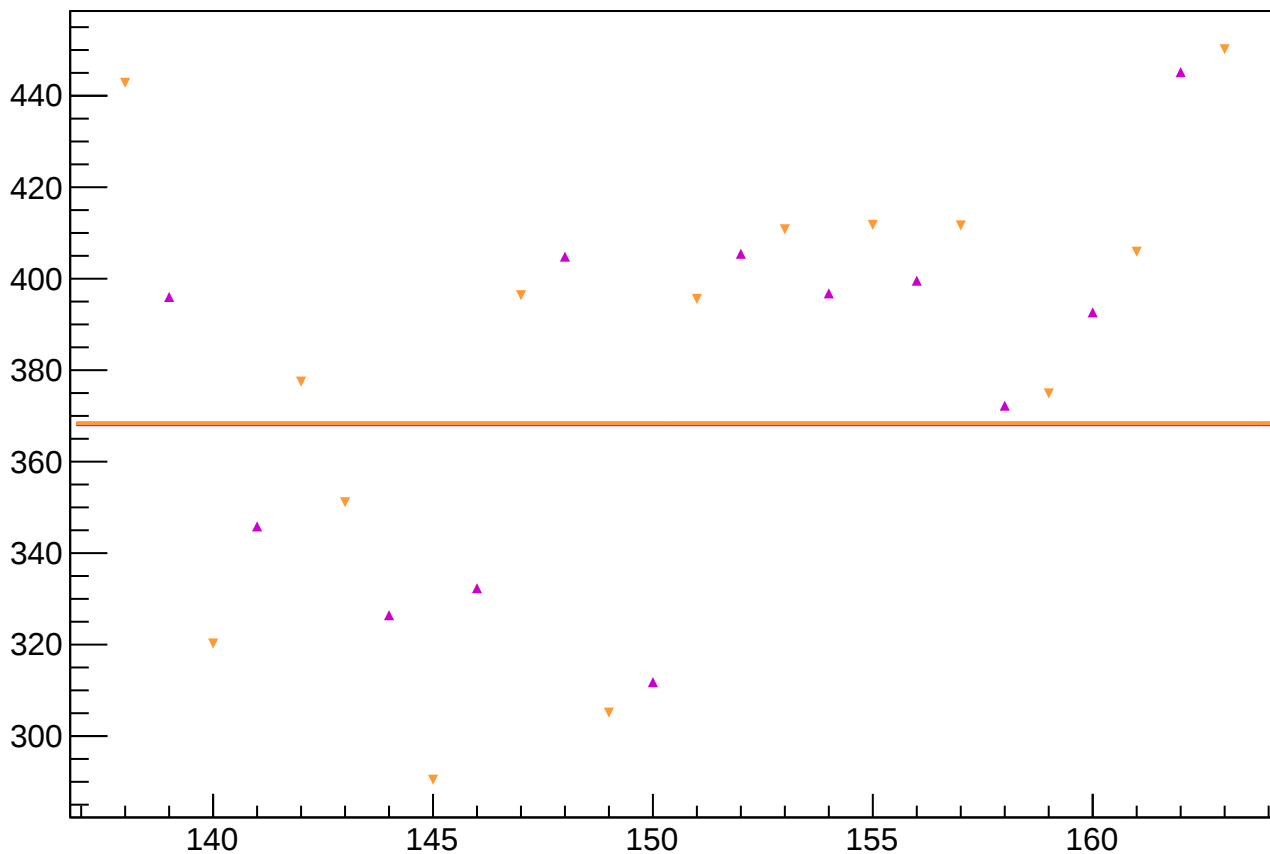
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 210.669+/-118.980 χ^2/NDF :12.8/11

Out: -432.825+/-114.792 χ^2/NDF :11.1/13

All: -122.602+/-82.611 χ^2/NDF : 39.1/25

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 368.423+/-0.081 χ^2/NDF :393312.3/13

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

Left In: 368.193+/-0.084 χ^2/NDF :214050.9/11

Left: 368.312+/-0.058 χ^2/NDF : 607367.1/25

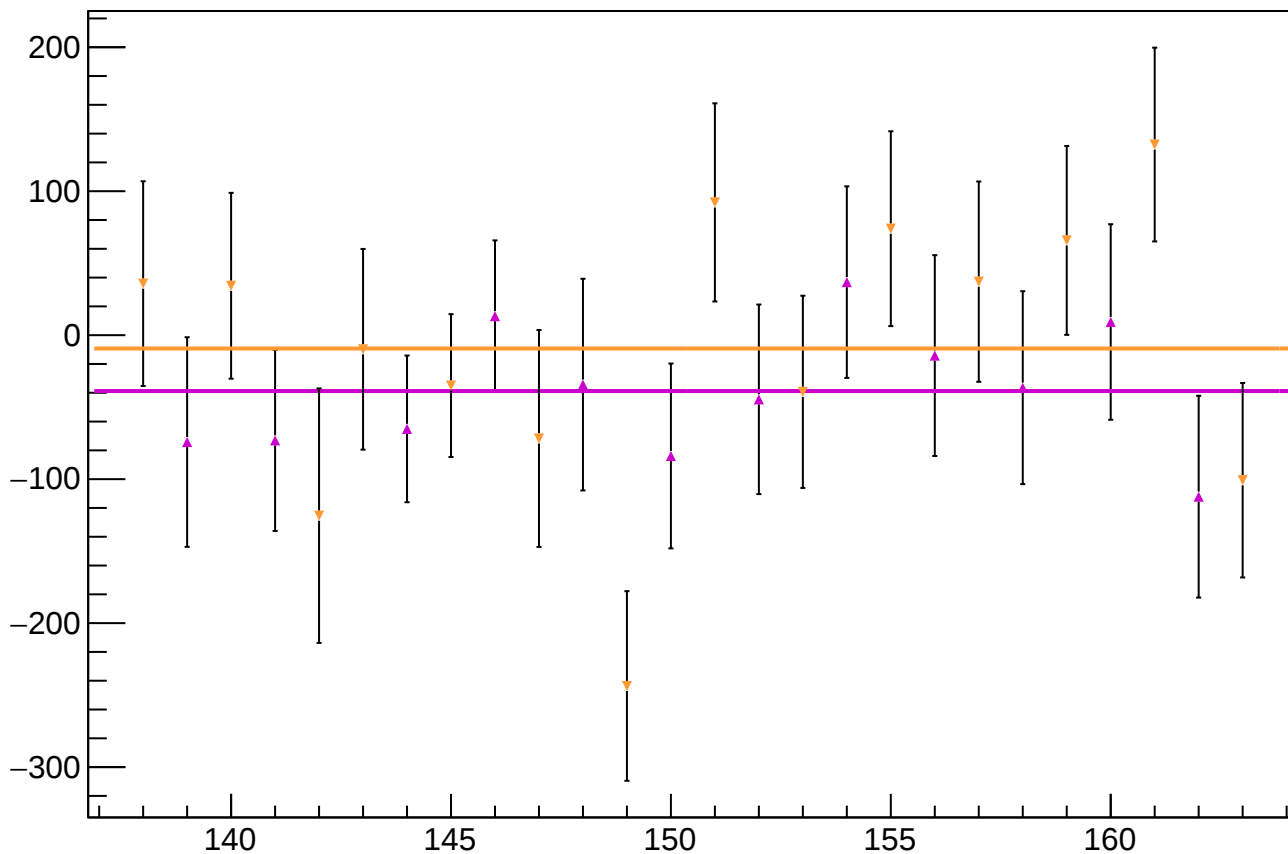
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 368.193+/-0.084 χ^2/NDF :214050.9/11

Out: 368.423+/-0.081 χ^2/NDF :393312.3/13

All: 368.312+/-0.058 χ^2/NDF : 607367.1/25

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: -9.249+/-17.909 χ^2/NDF :28.1/13

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

Left In: -38.803+/-18.501 χ^2/NDF :5.3/11

Left: -23.545+/-12.868 χ^2/NDF : 34.7/25

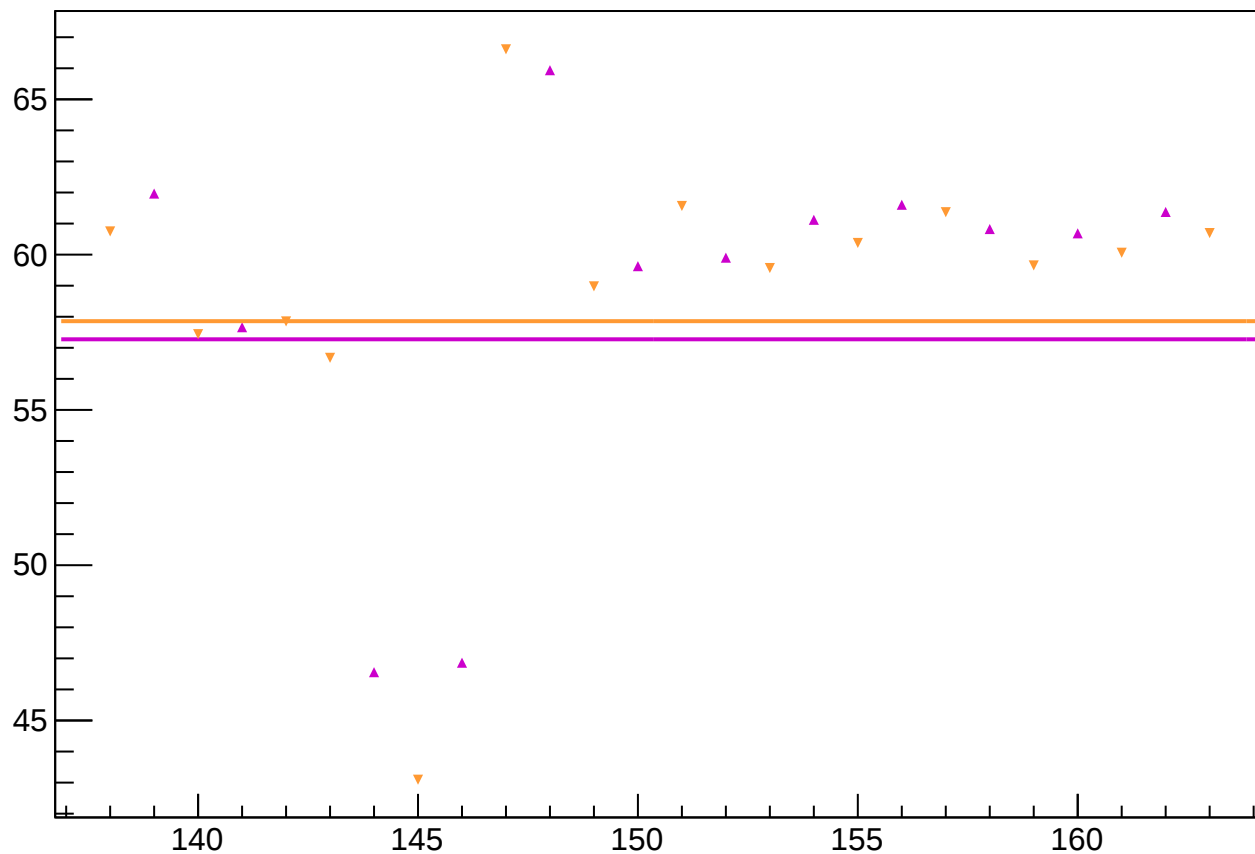
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -38.803+/-18.501 χ^2/NDF :5.3/11

Out: -9.249+/-17.909 χ^2/NDF :28.1/13

All: -23.545+/-12.868 χ^2/NDF : 34.7/25

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 57.857+/-0.013 χ^2/NDF :230778.8/13

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

Left In: 57.274+/-0.013 χ^2/NDF :240884.5/11

Left: 57.575+/-0.009 χ^2/NDF : 472691.8/25

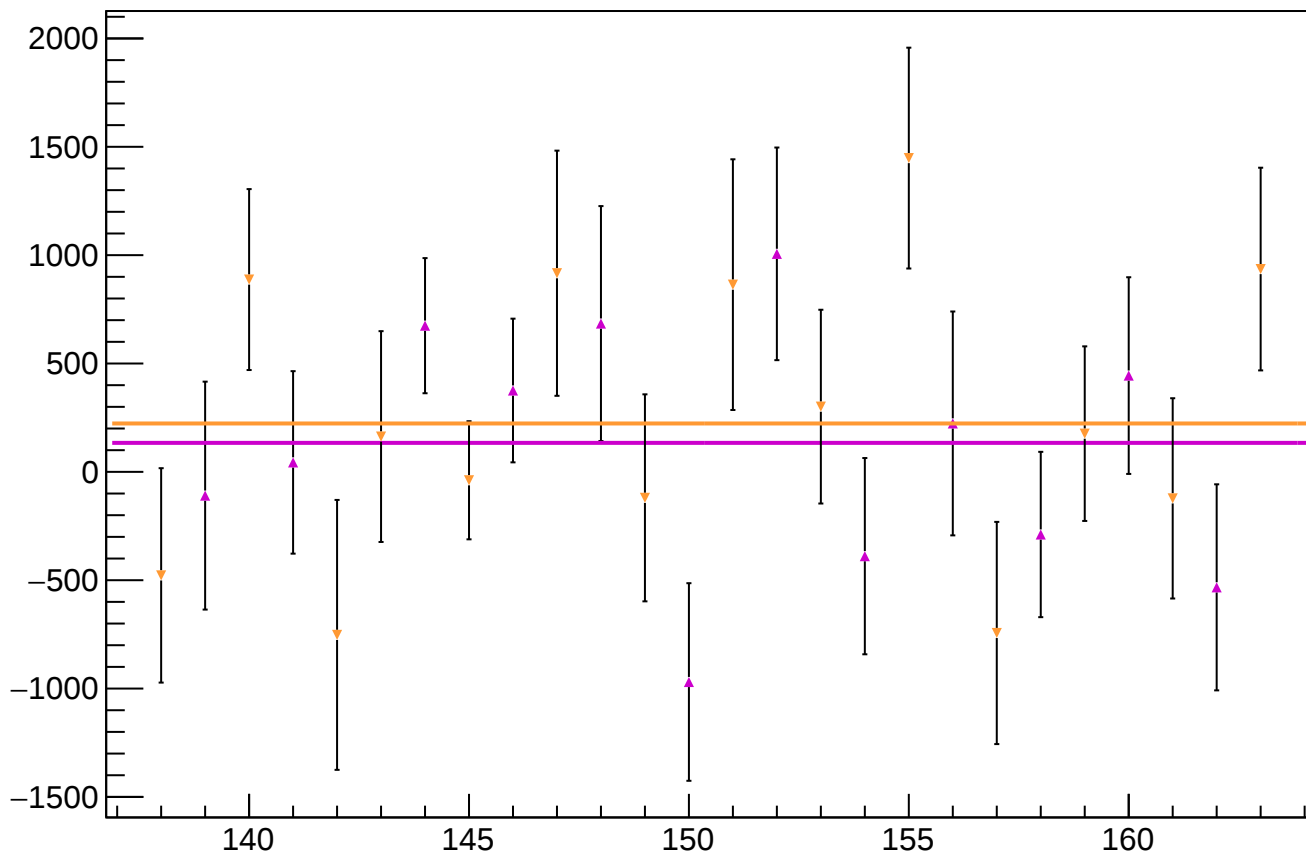
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 57.274+/-0.013 χ^2/NDF :240884.5/11

Out: 57.857+/-0.013 χ^2/NDF :230778.8/13

All: 57.575+/-0.009 χ^2/NDF : 472691.8/25

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: 223.283+/-120.676 χ^2/NDF : 23.4/13

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

Left In: 133.782+/-123.293 χ^2/NDF : 18.9/11

Left: 179.493+/-86.241 χ^2/NDF : 42.6/25

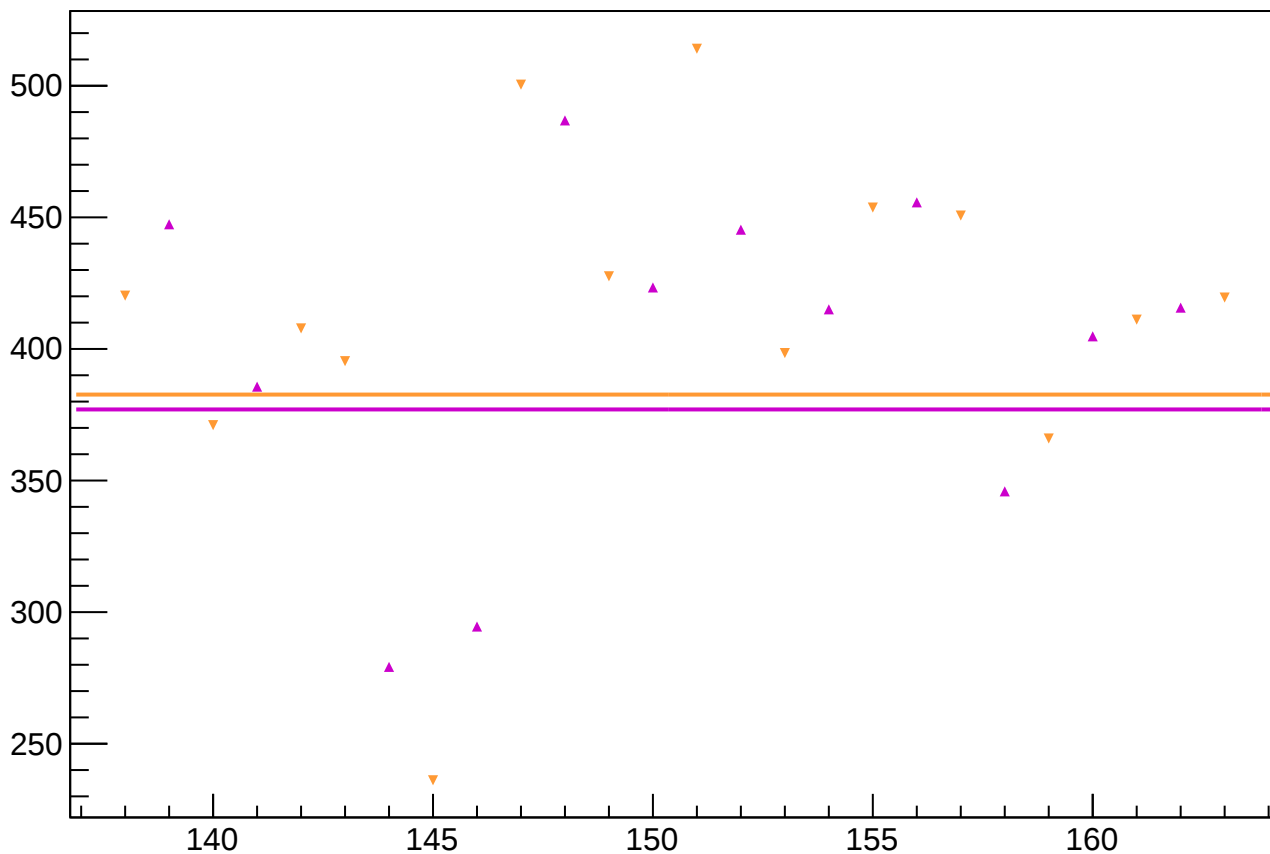
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 133.782+/-123.293 χ^2/NDF : 18.9/11

Out: 223.283+/-120.676 χ^2/NDF : 23.4/13

All: 179.493+/-86.241 χ^2/NDF : 42.6/25

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: 382.667+/-0.085 χ^2/NDF : 903789.8/13

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

Left In: 377.014+/-0.087 χ^2/NDF : 593360.8/11

Left: 379.901+/-0.061 χ^2/NDF : 1499297.6/25

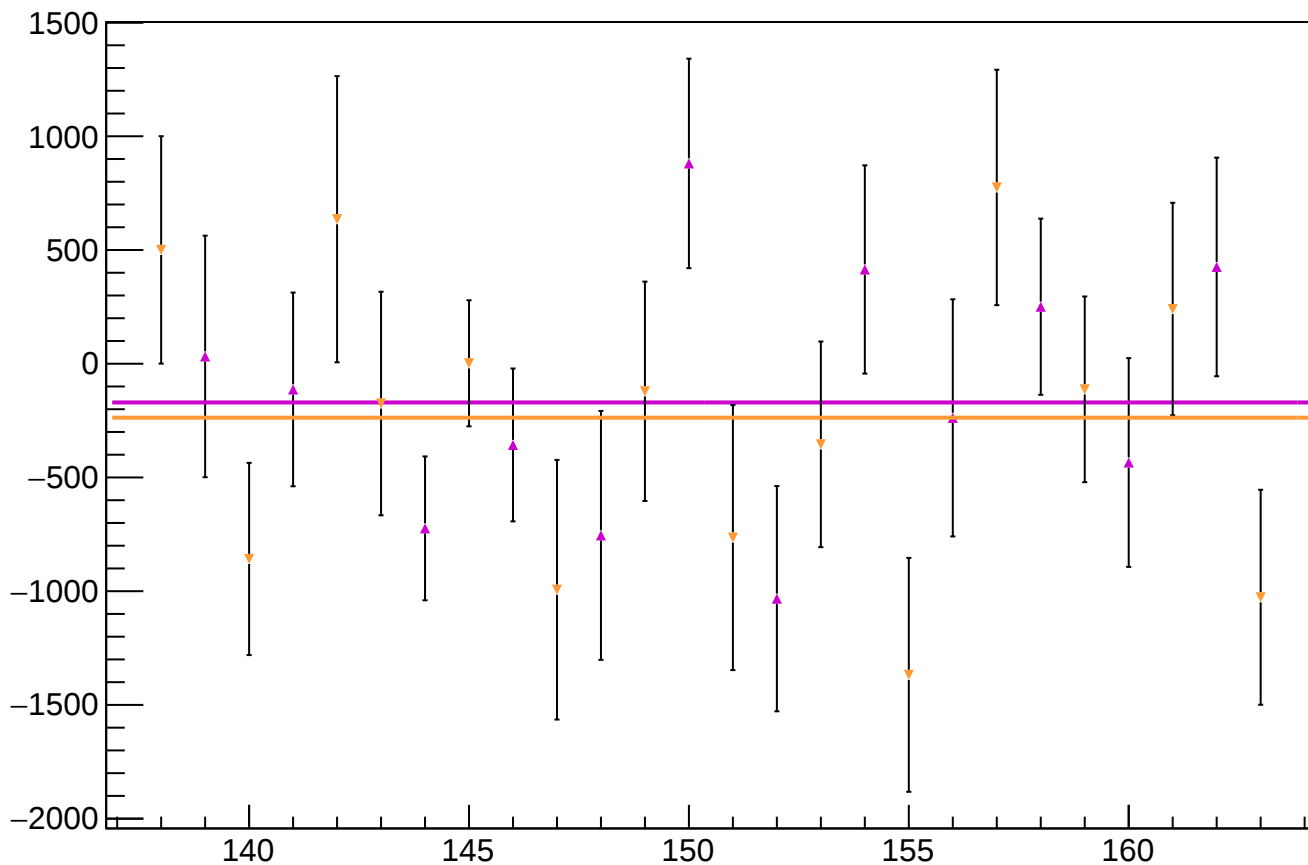
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 377.014+/-0.087 χ^2/NDF : 593360.8/11

Out: 382.667+/-0.085 χ^2/NDF : 903789.8/13

All: 379.901+/-0.061 χ^2/NDF : 1499297.6/25

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -237.153+/-122.091 χ^2/NDF :22.3/13

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

Left In: -170.249+/-124.756 χ^2/NDF :17.6/11

Left: -204.423+/-87.258 χ^2/NDF : 40.1/25

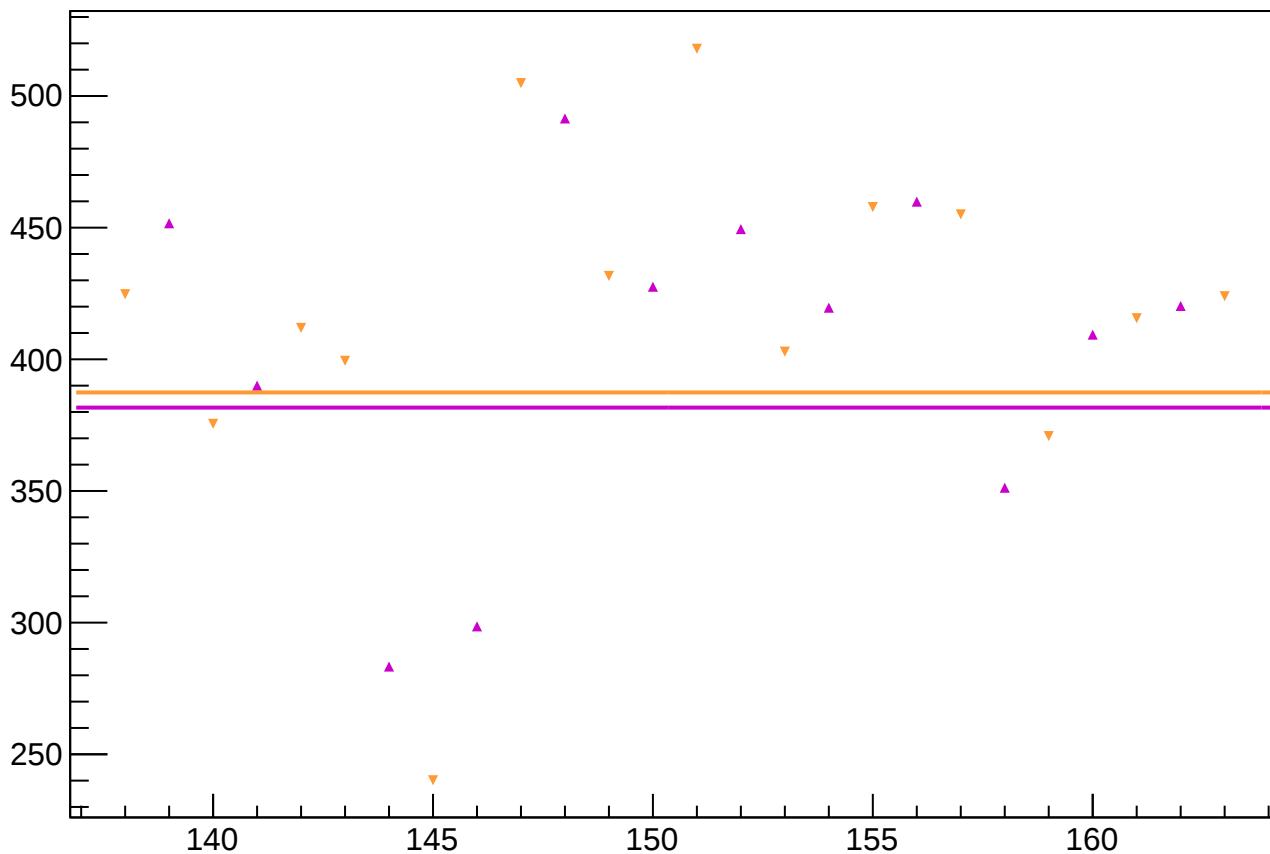
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -170.249+/-124.756 χ^2/NDF :17.6/11

Out: -237.153+/-122.091 χ^2/NDF :22.3/13

All: -204.423+/-87.258 χ^2/NDF : 40.1/25

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 387.414+/-0.086 χ^2/NDF : 880414.1/13

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

Left In: 381.662+/-0.088 χ^2/NDF : 580415.0/11

Left: 384.600+/-0.062 χ^2/NDF : 1463000.4/25

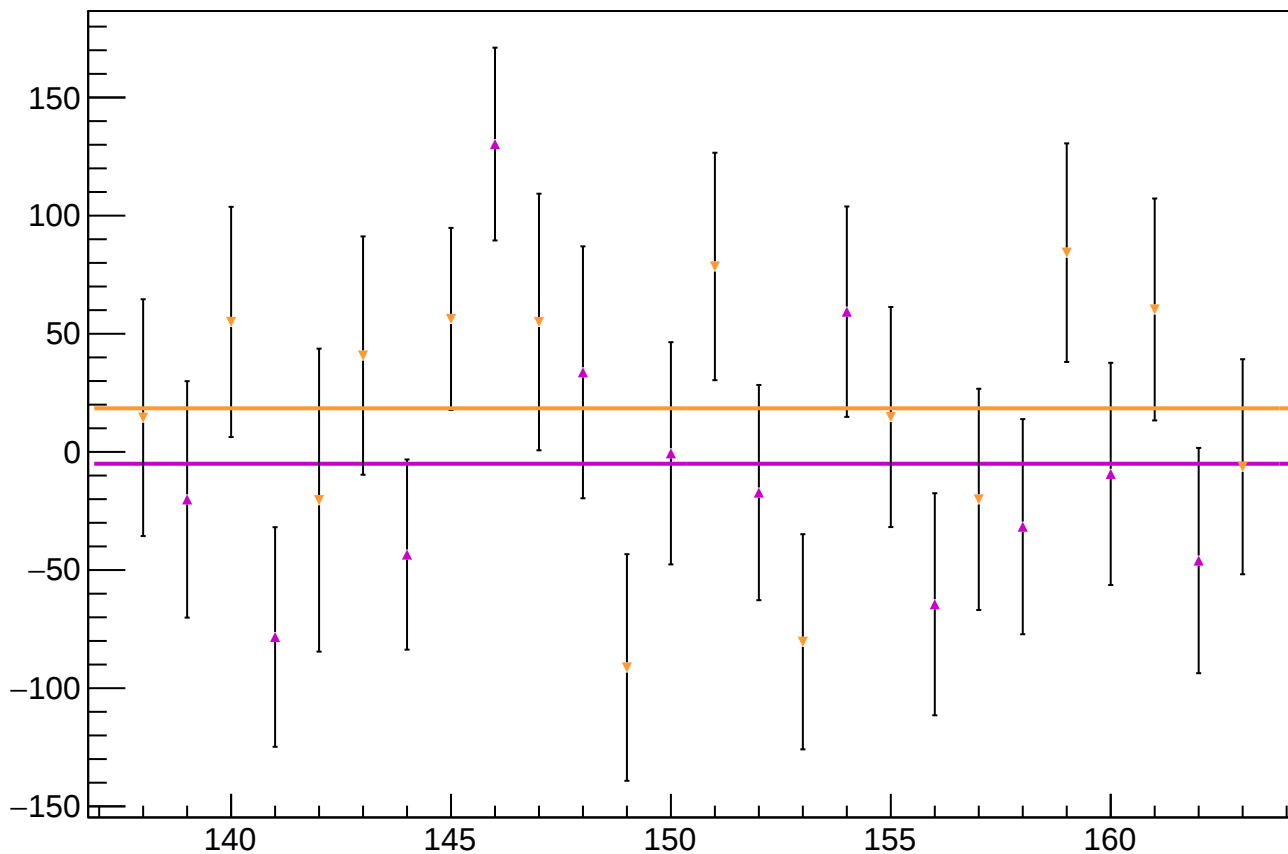
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 381.662+/-0.088 χ^2/NDF : 580415.0/11

Out: 387.414+/-0.086 χ^2/NDF : 880414.1/13

All: 384.600+/-0.062 χ^2/NDF : 1463000.4/25

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: 18.463+/-12.764 χ^2/NDF :17.8/13

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

Left In: -5.007+/-13.246 χ^2/NDF :19.9/11

Left: 7.164+/-9.191 χ^2/NDF : 39.4/25

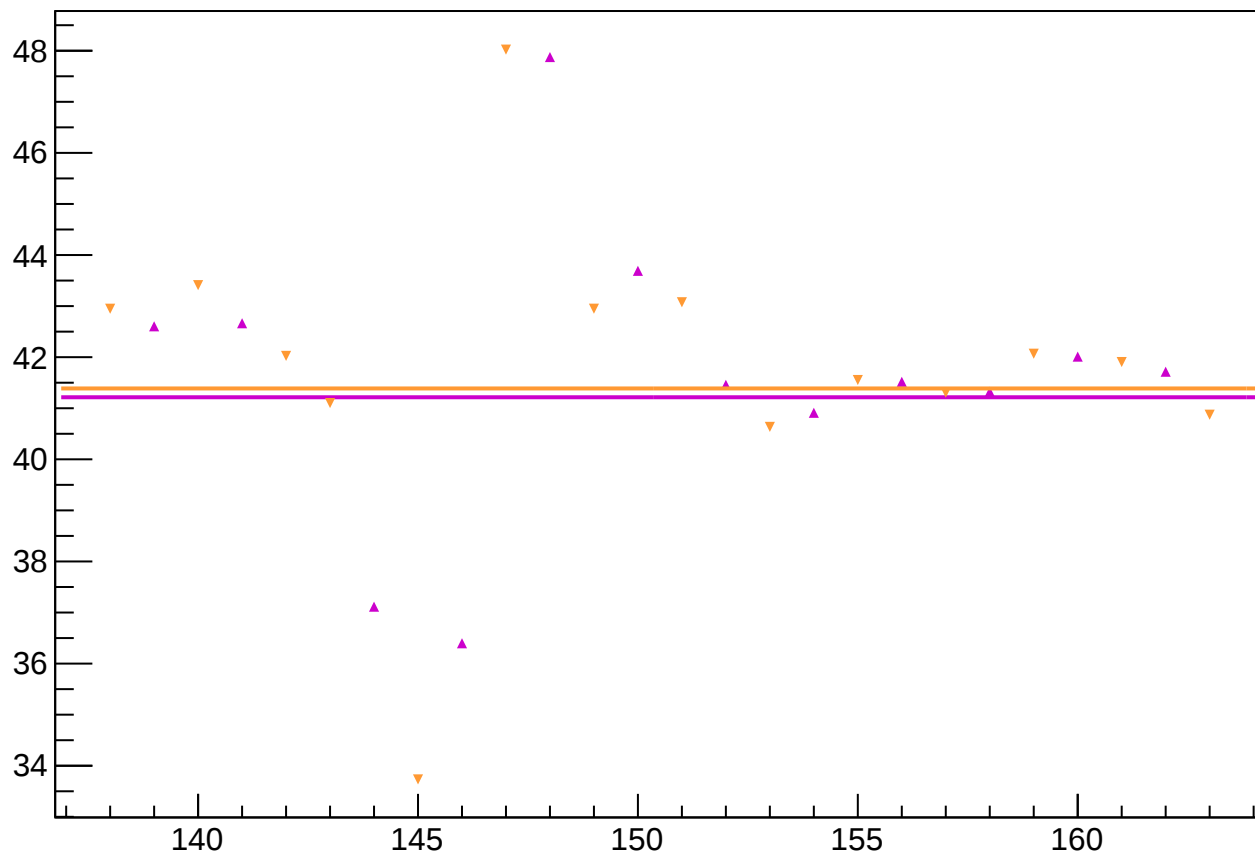
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -5.007+/-13.246 χ^2/NDF :19.9/11

Out: 18.463+/-12.764 χ^2/NDF :17.8/13

All: 7.164+/-9.191 χ^2/NDF : 39.4/25

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: 41.387+/-0.009 χ^2/NDF :120506.8/13

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

Left In: 41.215+/-0.009 χ^2/NDF :89936.5/11

Left: 41.304+/-0.006 χ^2/NDF : 210619.2/25

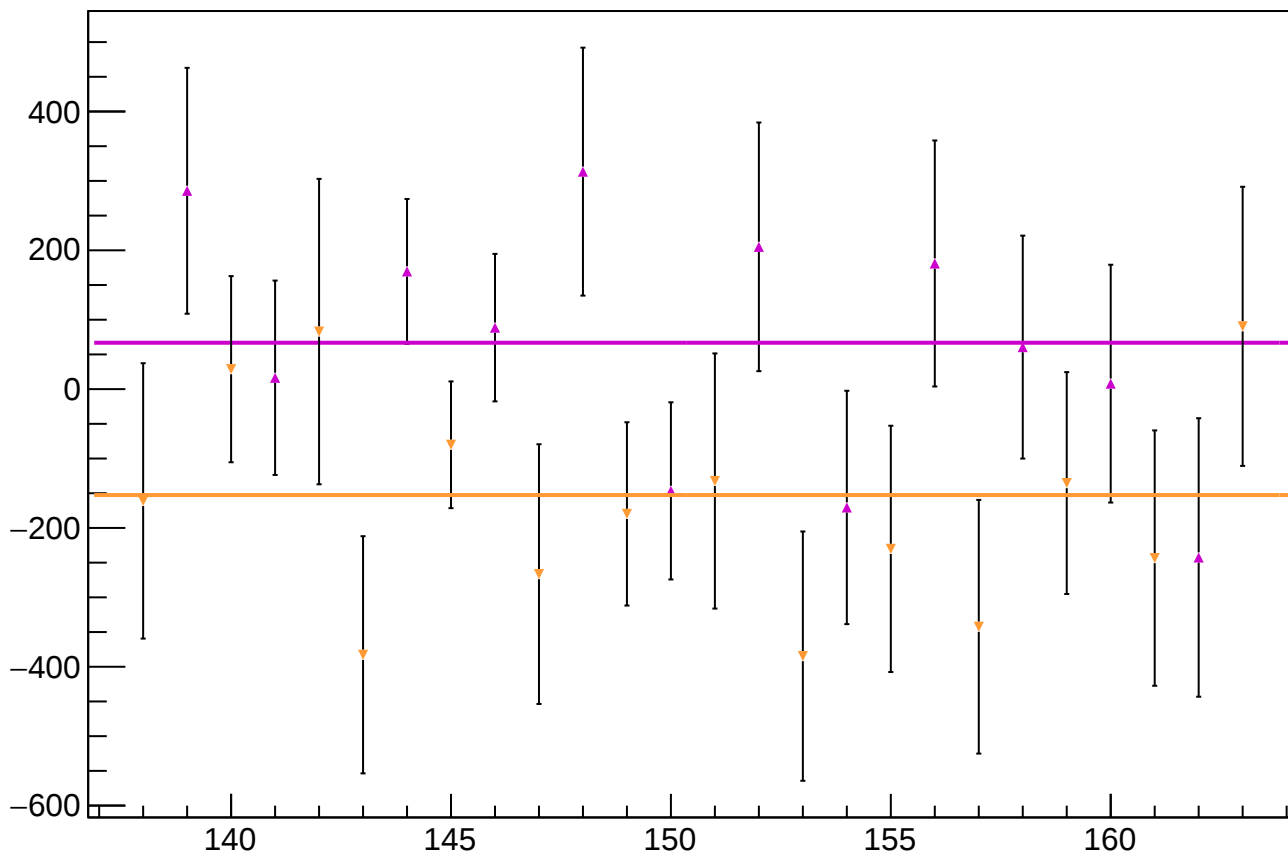
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 41.215+/-0.009 χ^2/NDF :89936.5/11

Out: 41.387+/-0.009 χ^2/NDF :120506.8/13

All: 41.304+/-0.006 χ^2/NDF : 210619.2/25

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: -152.625+/-42.350 χ^2/NDF :10.5/13

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

Left In: 66.833+/-42.557 χ^2/NDF :12.9/11

Left: -43.431+/-30.019 χ^2/NDF : 36.7/25

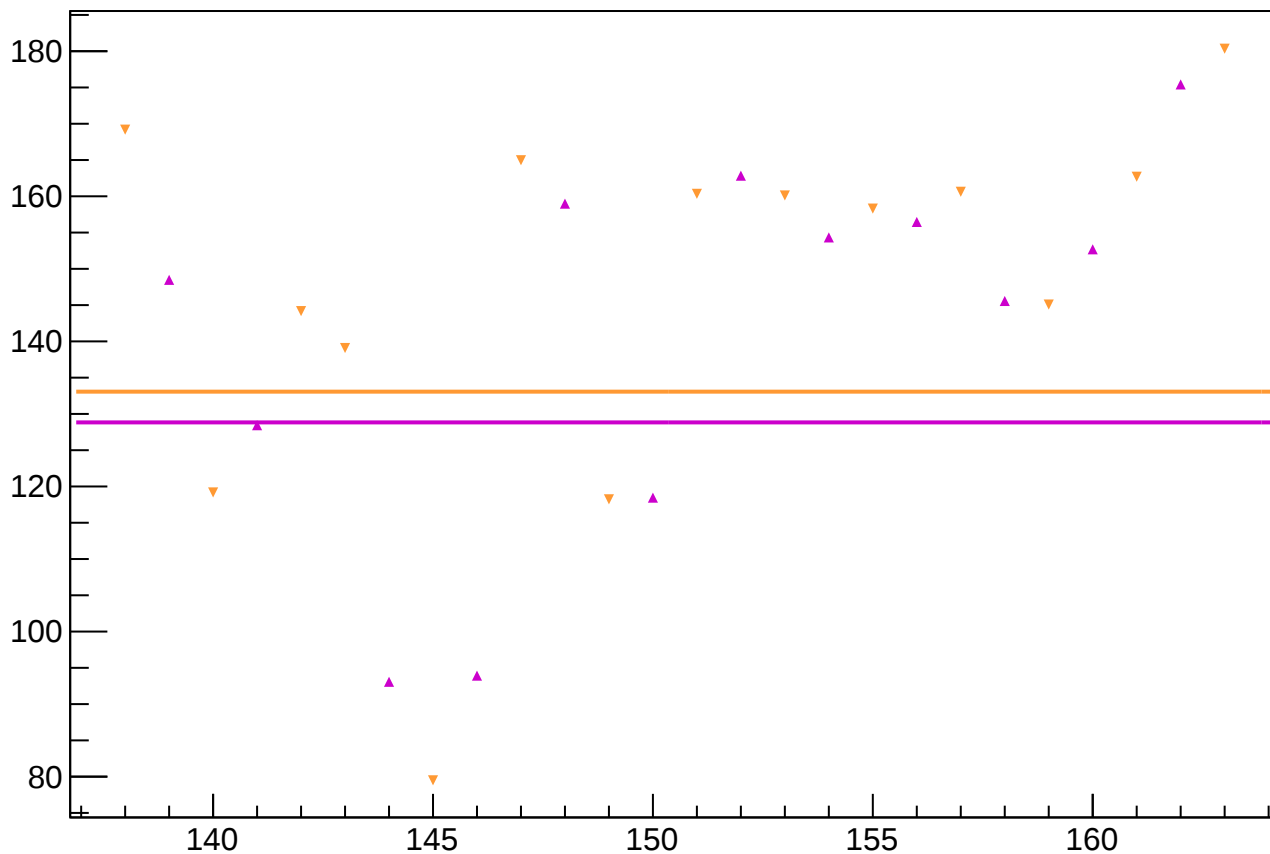
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 66.833+/-42.557 χ^2/NDF :12.9/11

Out: -152.625+/-42.350 χ^2/NDF :10.5/13

All: -43.431+/-30.019 χ^2/NDF : 36.7/25

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: 133.071+/-0.030 χ^2/NDF :1216478.7/13

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

Left In: 128.833+/-0.030 χ^2/NDF :880685.9/11

Left: 130.962+/-0.021 χ^2/NDF : 2107130.2/25

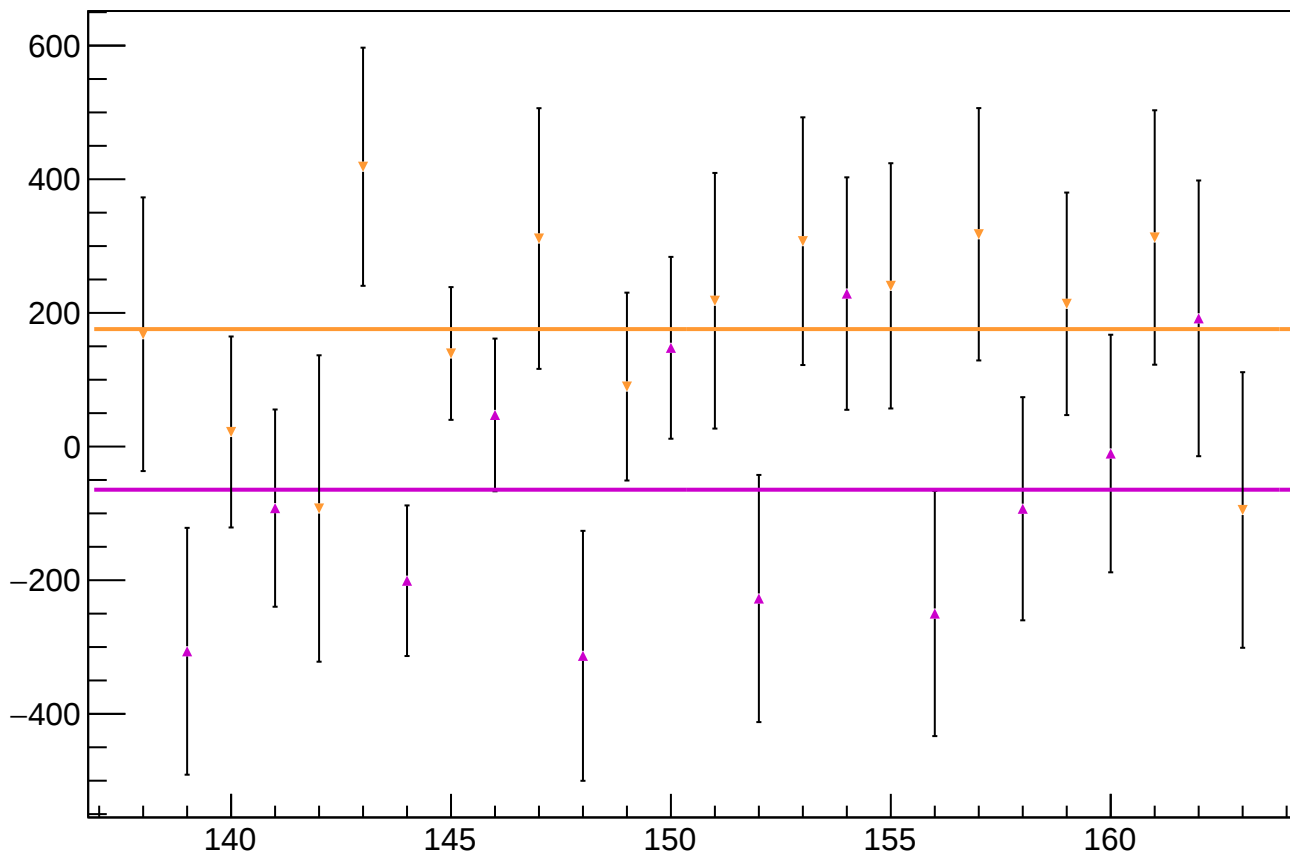
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 128.833+/-0.030 χ^2/NDF :880685.9/11

Out: 133.071+/-0.030 χ^2/NDF :1216478.7/13

All: 130.962+/-0.021 χ^2/NDF : 2107130.2/25

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 175.780 $\pm$ 44.589 χ^2 /NDF:8.9/13

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -64.563 $\pm$ 44.890 χ^2 /NDF:14.7/11

Left: 56.417 $\pm$ 31.635 χ^2 /NDF: 38.0/25

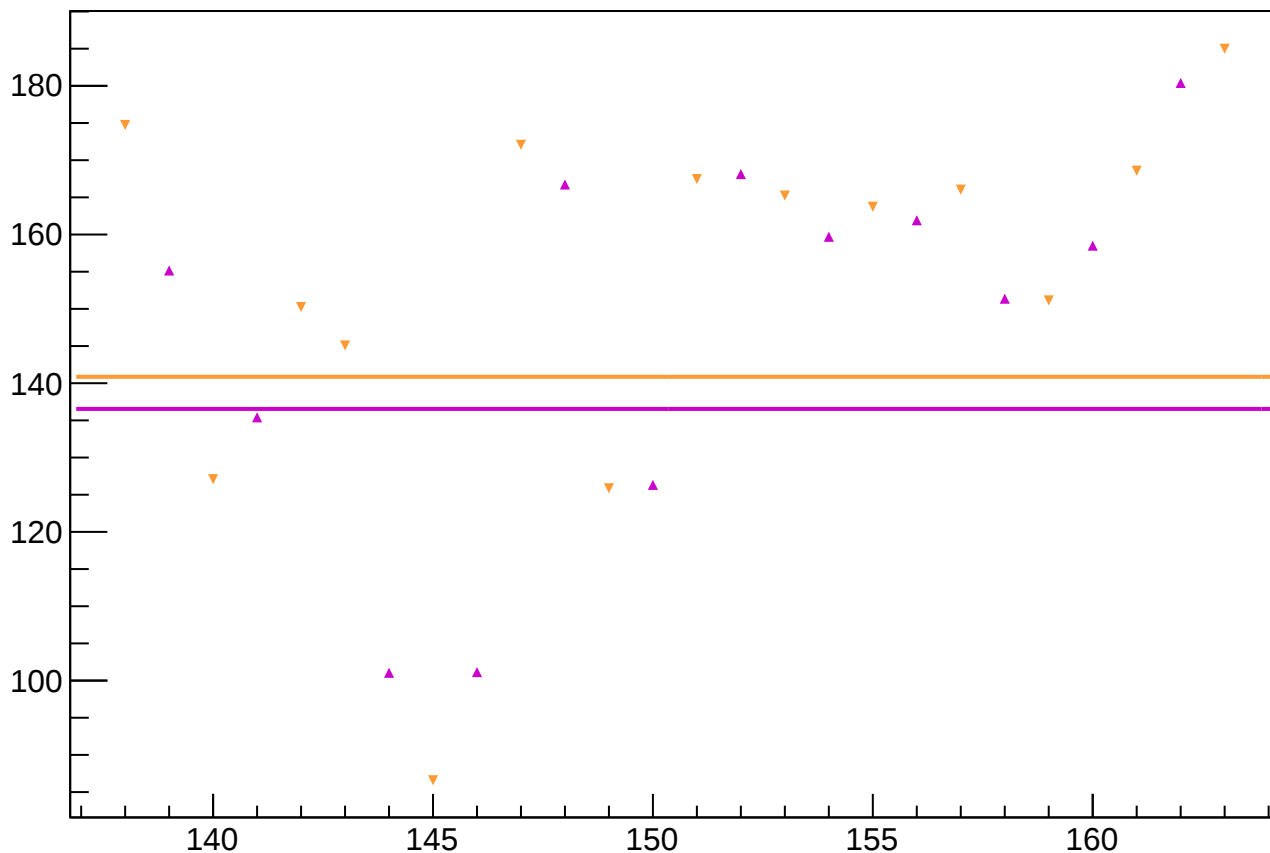
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -64.563 $\pm$ 44.890 χ^2 /NDF:14.7/11

Out: 175.780 $\pm$ 44.589 χ^2 /NDF:8.9/13

All: 56.417 $\pm$ 31.635 χ^2 /NDF: 38.0/25

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 140.863+/-0.032 χ^2/NDF :1030462.7/13

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

Left In: 136.542+/-0.032 χ^2/NDF :743153.7/11

Left: 138.717+/-0.022 χ^2/NDF : 1782946.2/25

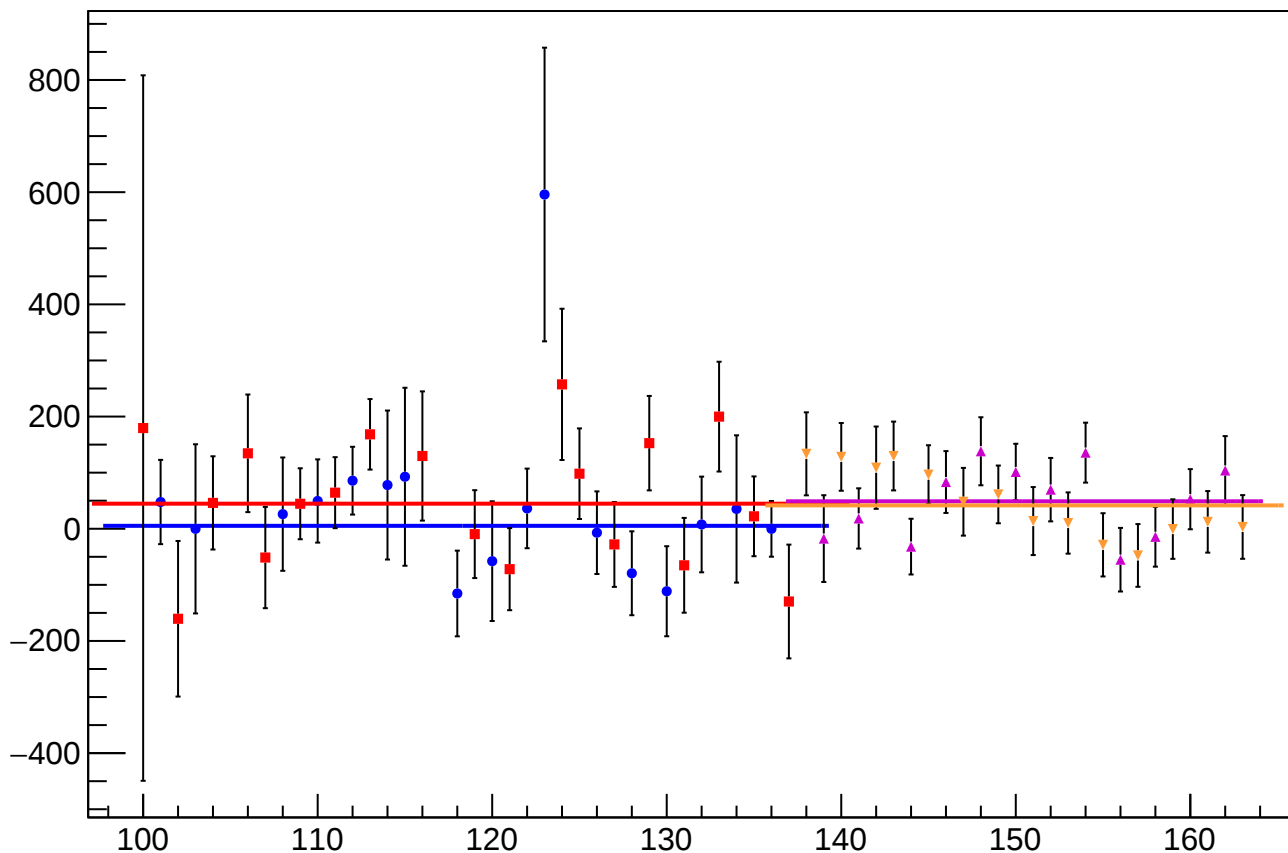
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 136.542+/-0.032 χ^2/NDF :743153.7/11

Out: 140.863+/-0.032 χ^2/NDF :1030462.7/13

All: 138.717+/-0.022 χ^2/NDF : 1782946.2/25

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: 41.666 $\pm$ 15.495 χ^2 /NDF:13.8/13

Right Out: 44.715 $\pm$ 19.410 χ^2 /NDF: 24.4/18

Left In: 48.939 $\pm$ 16.100 χ^2 /NDF:15.7/11

Left: 45.163 $\pm$ 11.164 χ^2 /NDF: 29.6/25

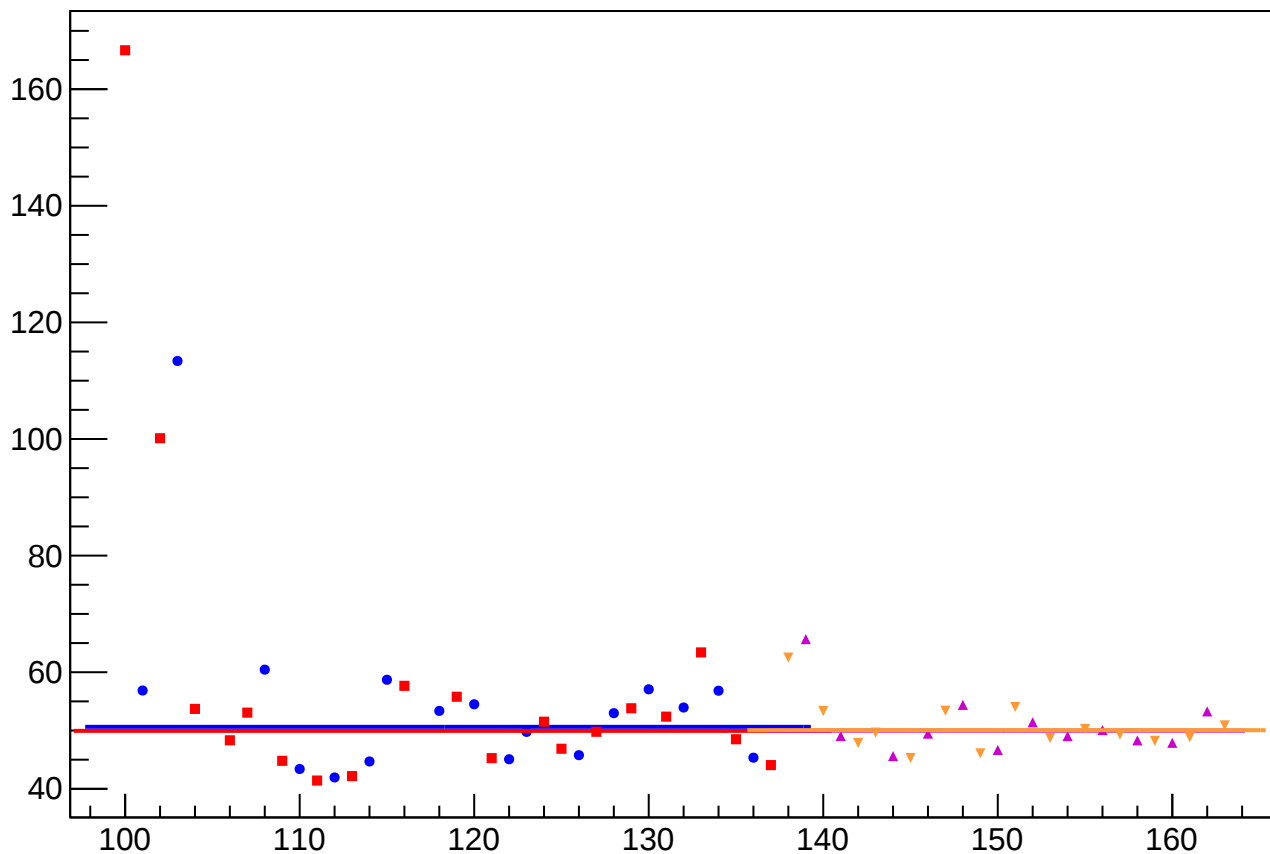
Right: 25.706 $\pm$ 13.979 χ^2 /NDF: 41.1/35

In: 31.904 $\pm$ 12.578 χ^2 /NDF:33.3/28

Out: 42.853 $\pm$ 12.110 χ^2 /NDF:38.2/32

All: 37.586 $\pm$ 8.724 χ^2 /NDF: 71.9/61

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: 50.060 $\pm$ 0.011 χ^2 /NDF: 113108.0/13

Right Out: 49.943 $\pm$ 0.014 χ^2 /NDF: 500488.8/18

Left In: 49.976 $\pm$ 0.011 χ^2 /NDF: 130601.1/11

Left: 50.020 $\pm$ 0.008 χ^2 /NDF: 243737.2/25

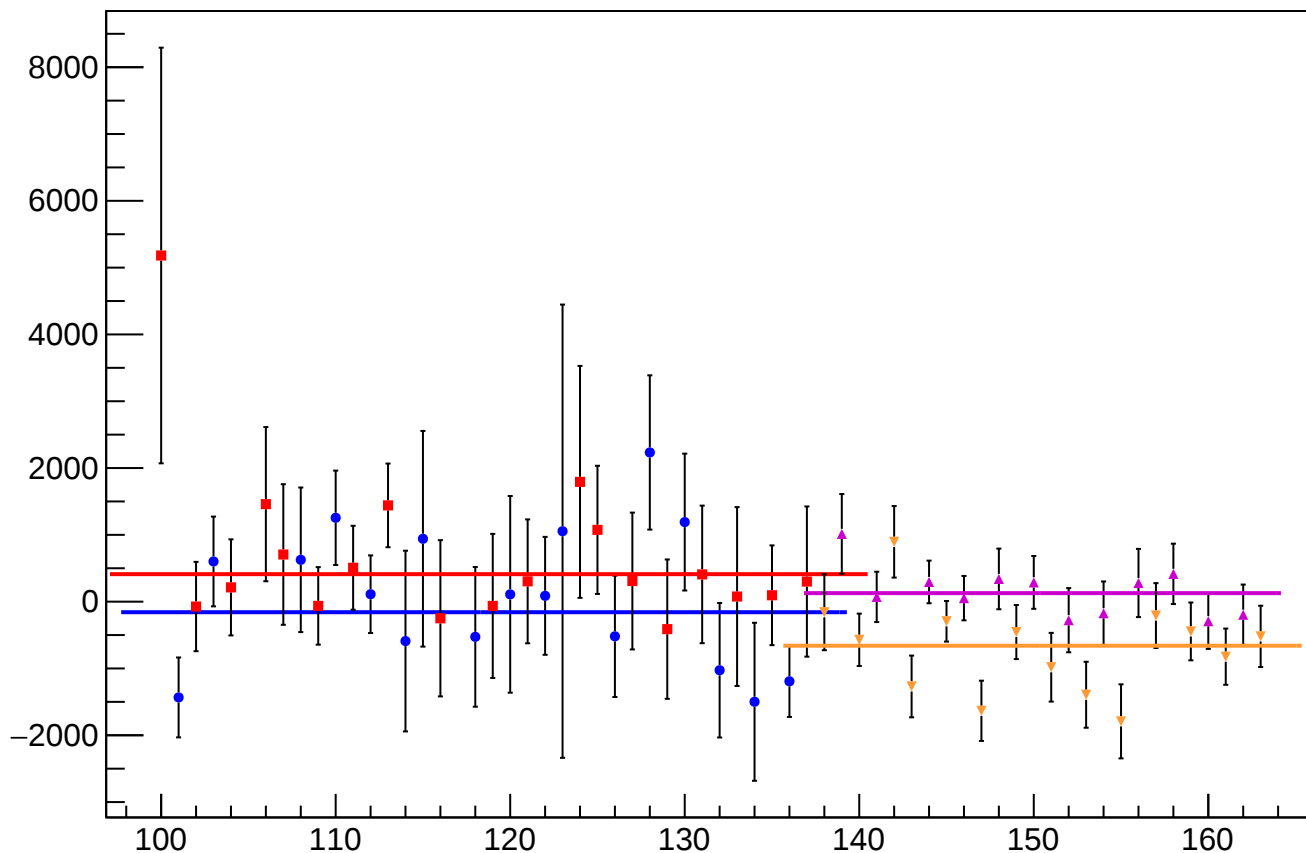
Right: 50.276 $\pm$ 0.010 χ^2 /NDF: 1021399.4/35

In: 50.233 $\pm$ 0.009 χ^2 /NDF: 651591.4/28

Out: 50.014 $\pm$ 0.009 χ^2 /NDF: 613641.5/32

All: 50.120 $\pm$ 0.006 χ^2 /NDF: 1265546.0/61

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



Right In: -158.001+/-210.181 χ^2/NDF : 23.5/16

Left Out: -659.633+/-118.884 χ^2/NDF :25.5/13

Right Out: 411.611+/-203.633 χ^2/NDF : 9.8/18

Left In: 127.613+/-121.089 χ^2/NDF :6.1/11

Left: -273.242+/-84.832 χ^2/NDF : 53.1/25

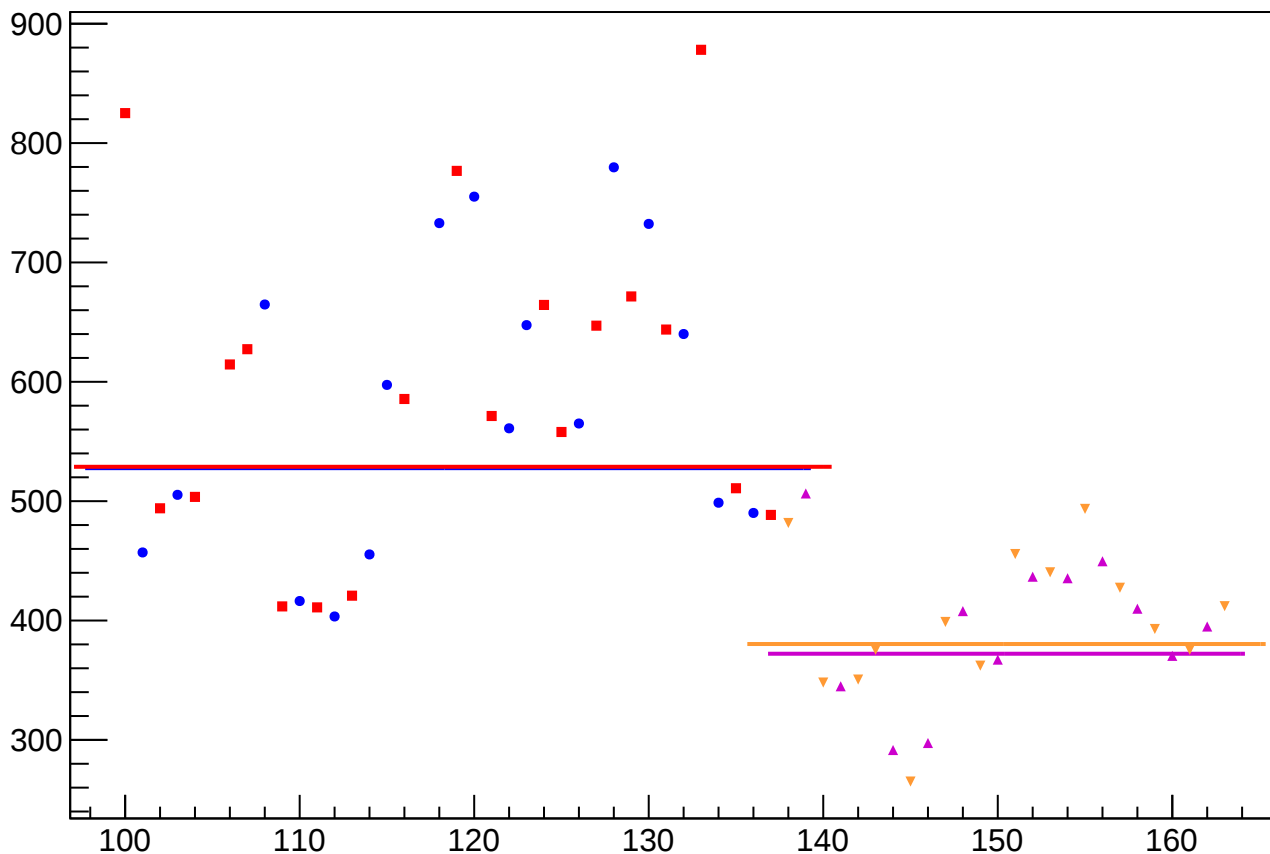
Right: 135.816+/-146.251 χ^2/NDF : 37.0/35

In: 56.439+/-104.922 χ^2/NDF :30.9/28

Out: -387.325+/-102.668 χ^2/NDF :55.9/32

All: -170.261+/-73.381 χ^2/NDF : 96.0/61

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



Right In: 527.663+/-0.149 χ^2/NDF : 557423.6/16

Left Out: 380.326+/-0.084 χ^2/NDF : 564904.1/13

Right Out: 528.806+/-0.144 χ^2/NDF : 623364.6/18

Left In: 372.181+/-0.086 χ^2/NDF : 490496.3/11

Left: 376.328+/-0.060 χ^2/NDF : 1060007.2/25

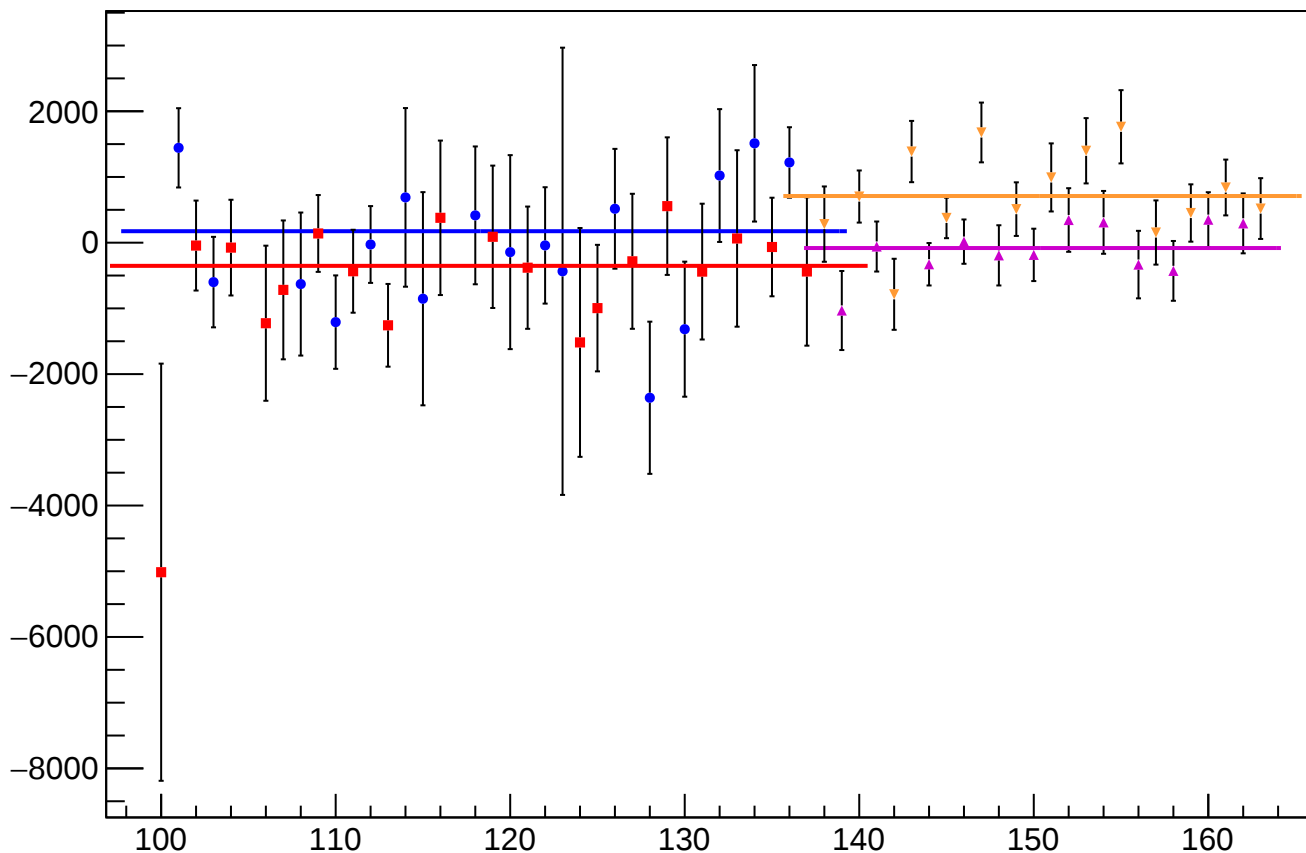
Right: 528.253+/-0.103 χ^2/NDF : 1180818.7/35

In: 410.927+/-0.074 χ^2/NDF : 1869648.7/28

Out: 418.069+/-0.073 χ^2/NDF : 1981312.1/32

All: 414.576+/-0.052 χ^2/NDF : 3855694.8/61

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 174.605 $\pm$ 211.662 χ^2 /NDF: 23.7/16

Left Out: 710.097 $\pm$ 119.999 χ^2 /NDF:23.9/13

Right Out: -352.570 $\pm$ 205.204 χ^2 /NDF: 8.4/18

Left In: -81.509 $\pm$ 122.254 χ^2 /NDF:7.3/11

Left: 321.663 $\pm$ 85.638 χ^2 /NDF: 52.6/25

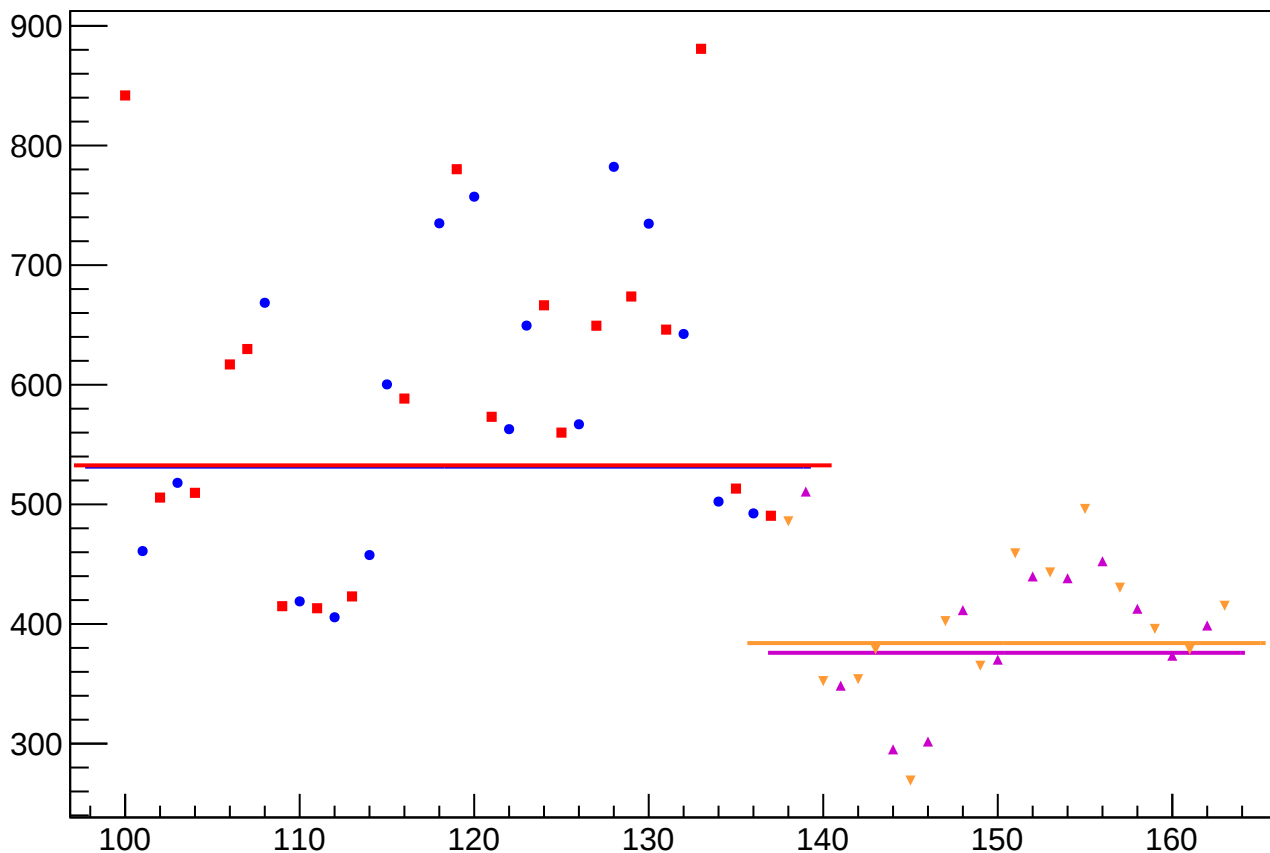
Right: -97.148 $\pm$ 147.331 χ^2 /NDF: 35.3/35

In: -17.441 $\pm$ 105.864 χ^2 /NDF:32.1/28

Out: 439.303 $\pm$ 103.587 χ^2 /NDF:52.4/32

All: 215.896 $\pm$ 74.039 χ^2 /NDF: 94.0/61

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 531.554+/-0.150 χ^2/NDF : 550087.6/16

Left Out: 384.058+/-0.085 χ^2/NDF : 547335.7/13

Right Out: 532.620+/-0.145 χ^2/NDF : 615746.2/18

Left In: 375.919+/-0.086 χ^2/NDF : 476690.8/11

Left: 380.064+/-0.061 χ^2/NDF : 1028541.2/25

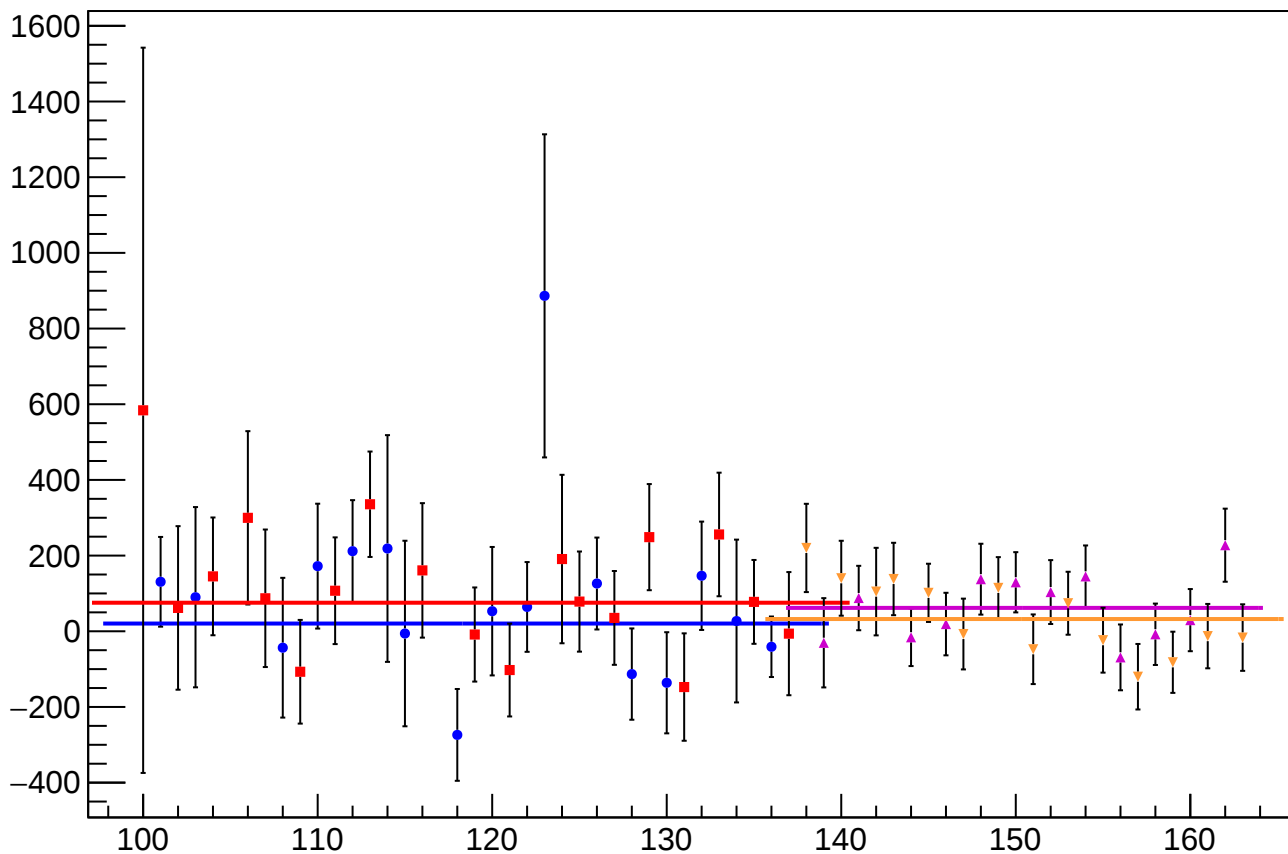
Right: 532.104+/-0.104 χ^2/NDF : 1165860.0/35

In: 414.852+/-0.075 χ^2/NDF : 1837610.4/28

Out: 421.915+/-0.073 χ^2/NDF : 1944236.7/32

All: 418.460+/-0.052 χ^2/NDF : 3786395.5/61

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: 32.355 $\pm$ 23.926 χ^2 /NDF:14.5/13

Right Out: 75.454 $\pm$ 34.698 χ^2 /NDF: 15.4/18

Left In: 61.806 $\pm$ 24.763 χ^2 /NDF:10.8/11

Left: 46.575 $\pm$ 17.206 χ^2 /NDF: 26.0/25

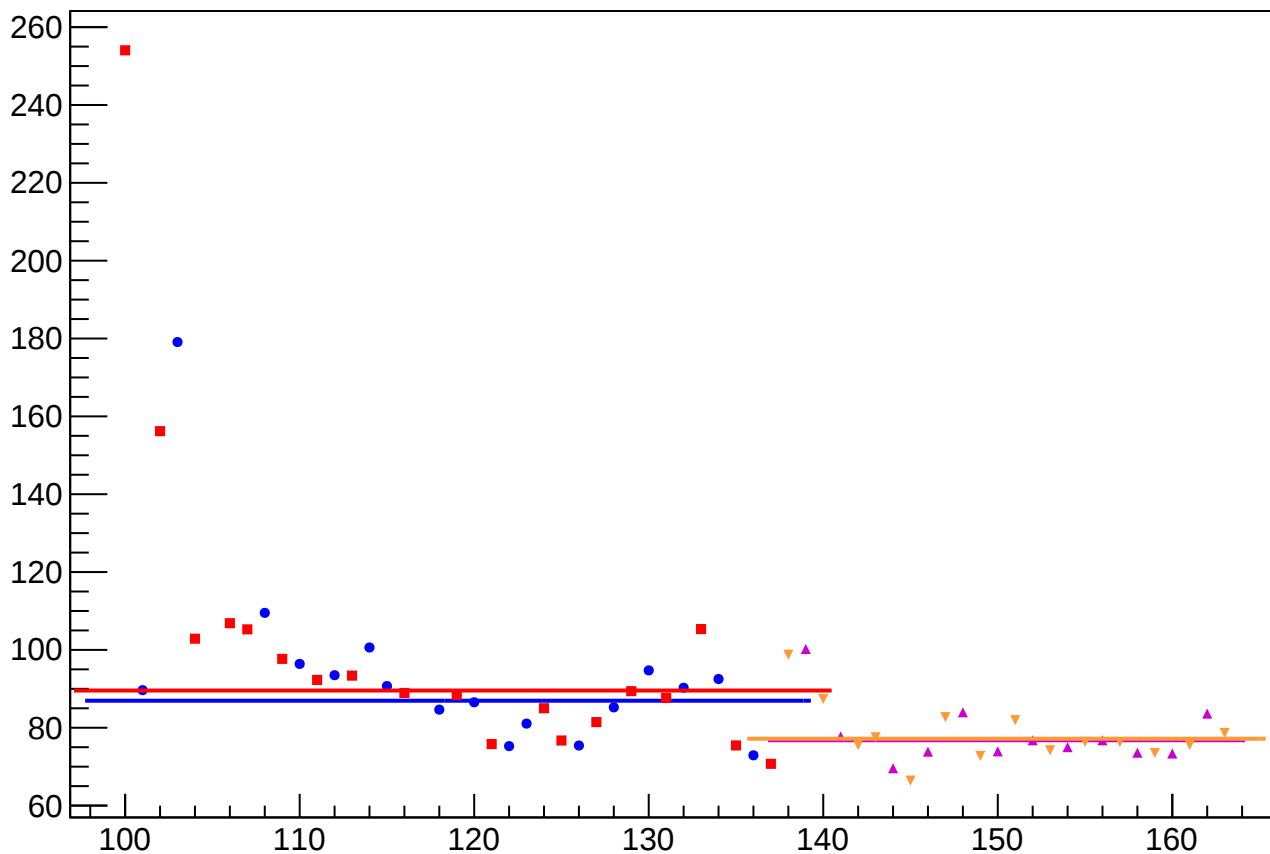
Right: 47.856 $\pm$ 24.495 χ^2 /NDF: 35.9/35

In: 47.786 $\pm$ 20.134 χ^2 /NDF:31.0/28

Out: 46.244 $\pm$ 19.697 χ^2 /NDF:31.0/32

All: 46.998 $\pm$ 14.080 χ^2 /NDF: 62.0/61

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 86.943 $\pm$ 0.024 χ^2 /NDF: 455809.4/16

Left Out: 77.183 $\pm$ 0.017 χ^2 /NDF: 156027.8/13

Right Out: 89.561 $\pm$ 0.025 χ^2 /NDF: 431229.7/18

Left In: 76.785 $\pm$ 0.018 χ^2 /NDF: 131603.2/11

Left: 76.990 $\pm$ 0.012 χ^2 /NDF: 287898.4/25

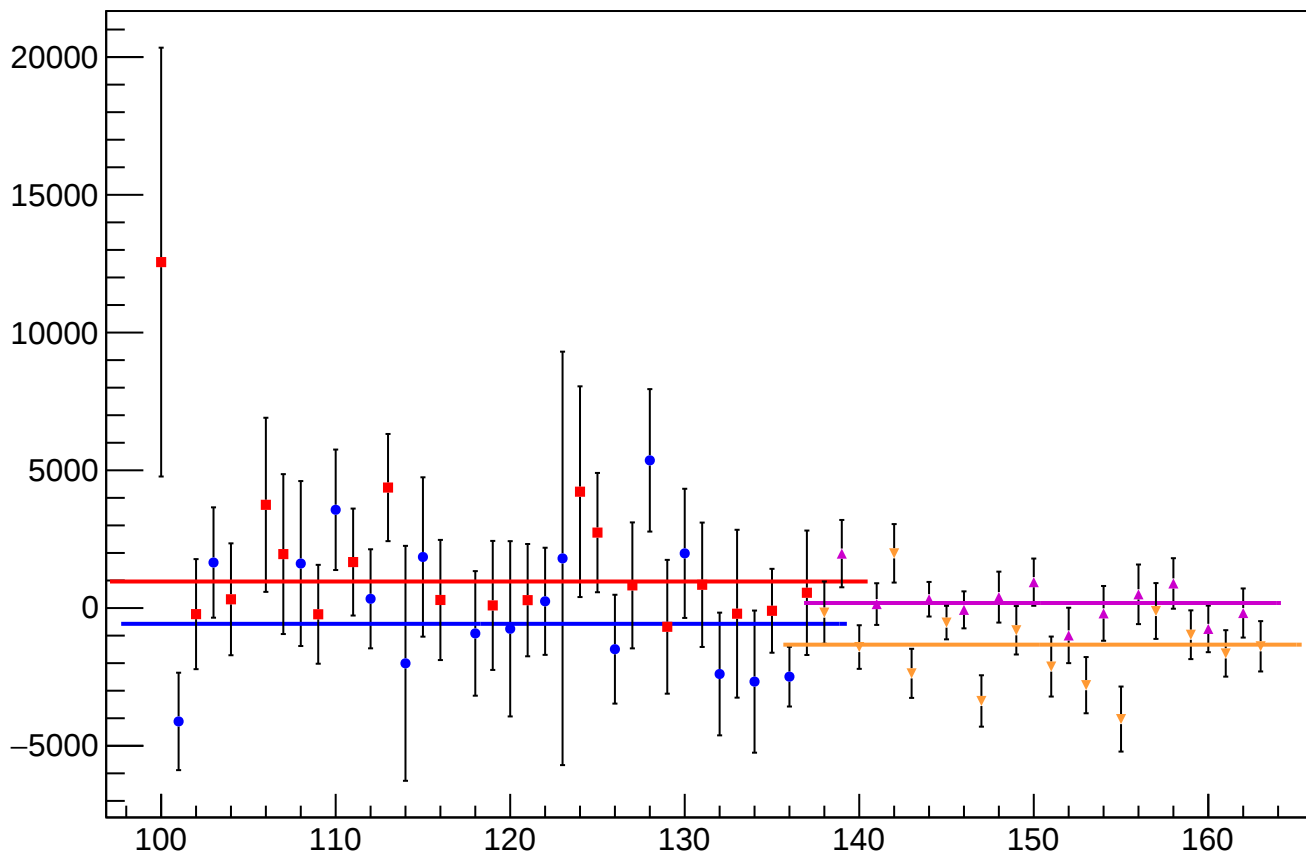
Right: 88.247 $\pm$ 0.017 χ^2 /NDF: 892752.0/35

In: 80.227 $\pm$ 0.014 χ^2 /NDF: 701482.6/28

Out: 81.172 $\pm$ 0.014 χ^2 /NDF: 759760.7/32

All: 80.710 $\pm$ 0.010 χ^2 /NDF: 1463490.3/61

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: -1328.417 $\pm$ 242.208 χ^2 /NDF:28.7/13

Right Out: 963.846 $\pm$ 514.621 χ^2 /NDF: 10.1/18

Left In: 183.617 $\pm$ 246.901 χ^2 /NDF:6.8/11

Left: -586.905 $\pm$ 172.902 χ^2 /NDF: 54.6/25

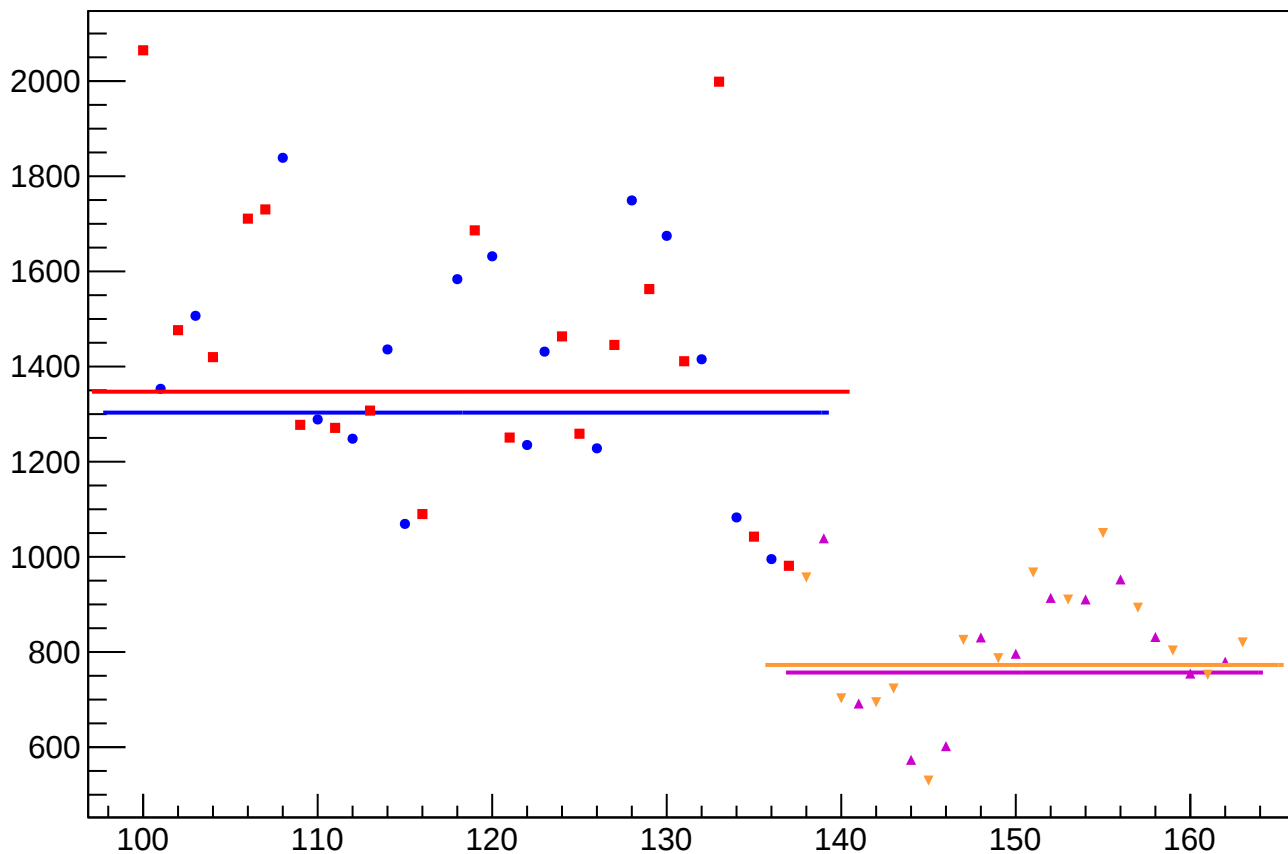
Right: 199.325 $\pm$ 364.737 χ^2 /NDF: 36.4/35

In: 43.235 $\pm$ 222.800 χ^2 /NDF:30.4/28

Out: -912.728 $\pm$ 219.149 χ^2 /NDF:55.0/32

All: -442.642 $\pm$ 156.237 χ^2 /NDF: 94.8/61

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



Right In: 1303.201+/-0.366 χ^2/NDF : 451961.9/16

Left Out: 772.846+/-0.171 χ^2/NDF : 659128.5/13

Right Out: 1347.177+/-0.364 χ^2/NDF : 420774.0/18

Left In: 756.844+/-0.175 χ^2/NDF : 591753.2/11

Left: 764.998+/-0.122 χ^2/NDF : 1255162.6/25

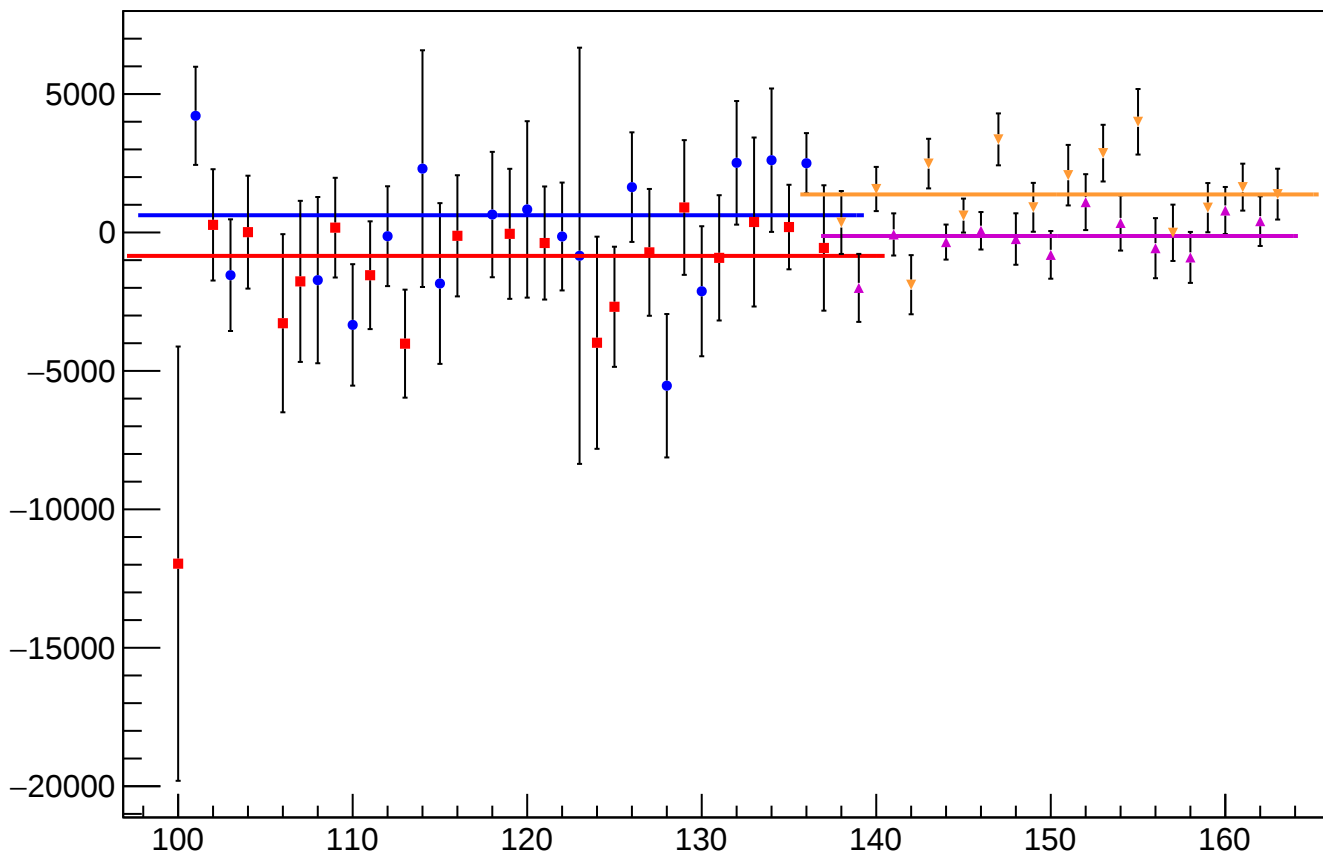
Right: 1325.291+/-0.258 χ^2/NDF : 880004.2/35

In: 858.303+/-0.158 χ^2/NDF : 2862375.8/28

Out: 876.998+/-0.155 χ^2/NDF : 3119200.7/32

All: 867.805+/-0.110 χ^2/NDF : 5988733.3/61

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 622.411 $\pm$ 518.496 χ^2 /NDF: 22.0/16

Left Out: 1374.012 $\pm$ 243.544 χ^2 /NDF:27.7/13

Right Out: -846.021 $\pm$ 516.325 χ^2 /NDF: 9.1/18

Left In: -127.102 $\pm$ 248.297 χ^2 /NDF:7.3/11

Left: 637.960 $\pm$ 173.868 χ^2 /NDF: 53.6/25

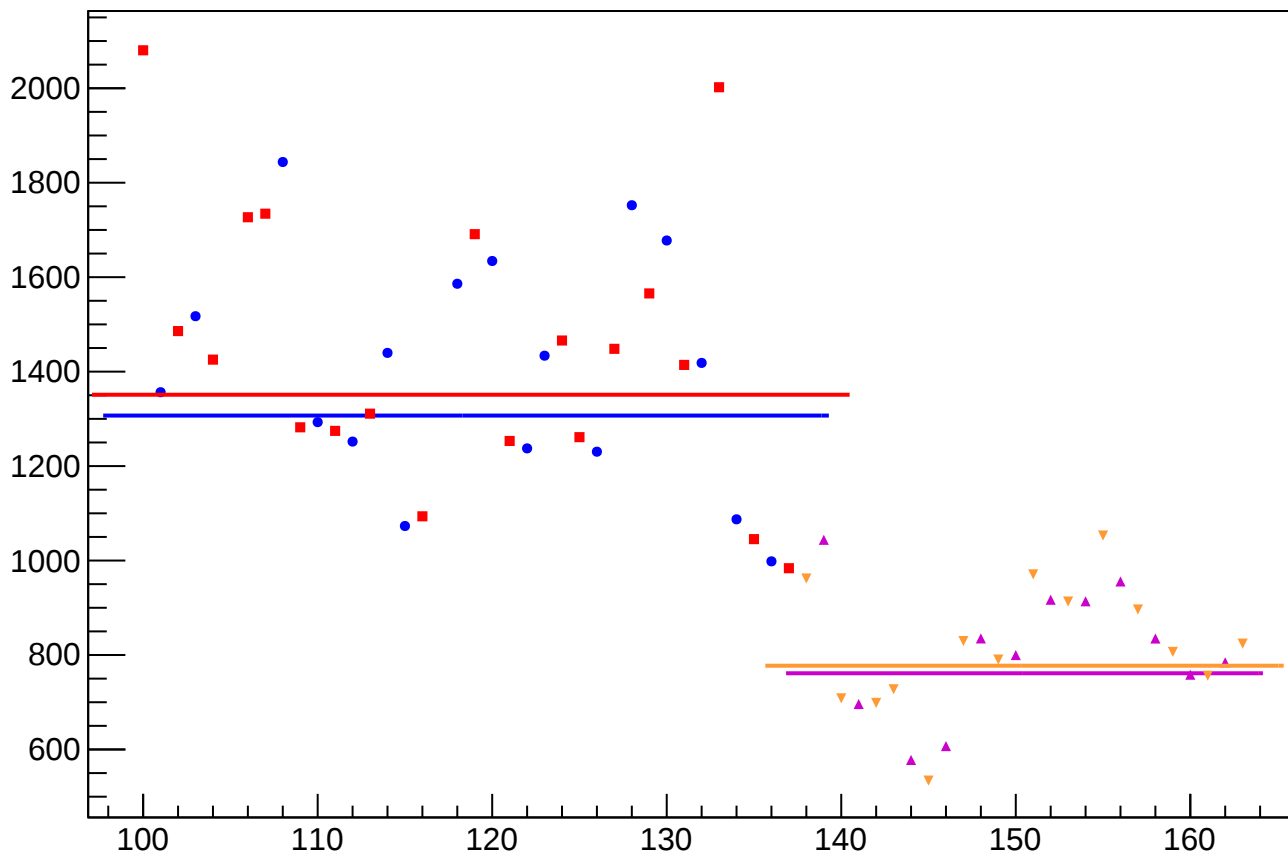
Right: -114.886 $\pm$ 365.862 χ^2 /NDF: 35.1/35

In: 12.717 $\pm$ 223.943 χ^2 /NDF:30.9/28

Out: 969.973 $\pm$ 220.270 χ^2 /NDF:51.9/32

All: 499.261 $\pm$ 157.037 χ^2 /NDF: 92.1/61

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1306.980+/-0.367 χ^2/NDF : 451191.7/16

Left Out: 777.323+/-0.172 χ^2/NDF : 648084.0/13

Right Out: 1351.096+/-0.365 χ^2/NDF : 421804.6/18

Left In: 761.340+/-0.176 χ^2/NDF : 581808.3/11

Left: 769.486+/-0.123 χ^2/NDF : 1234115.8/25

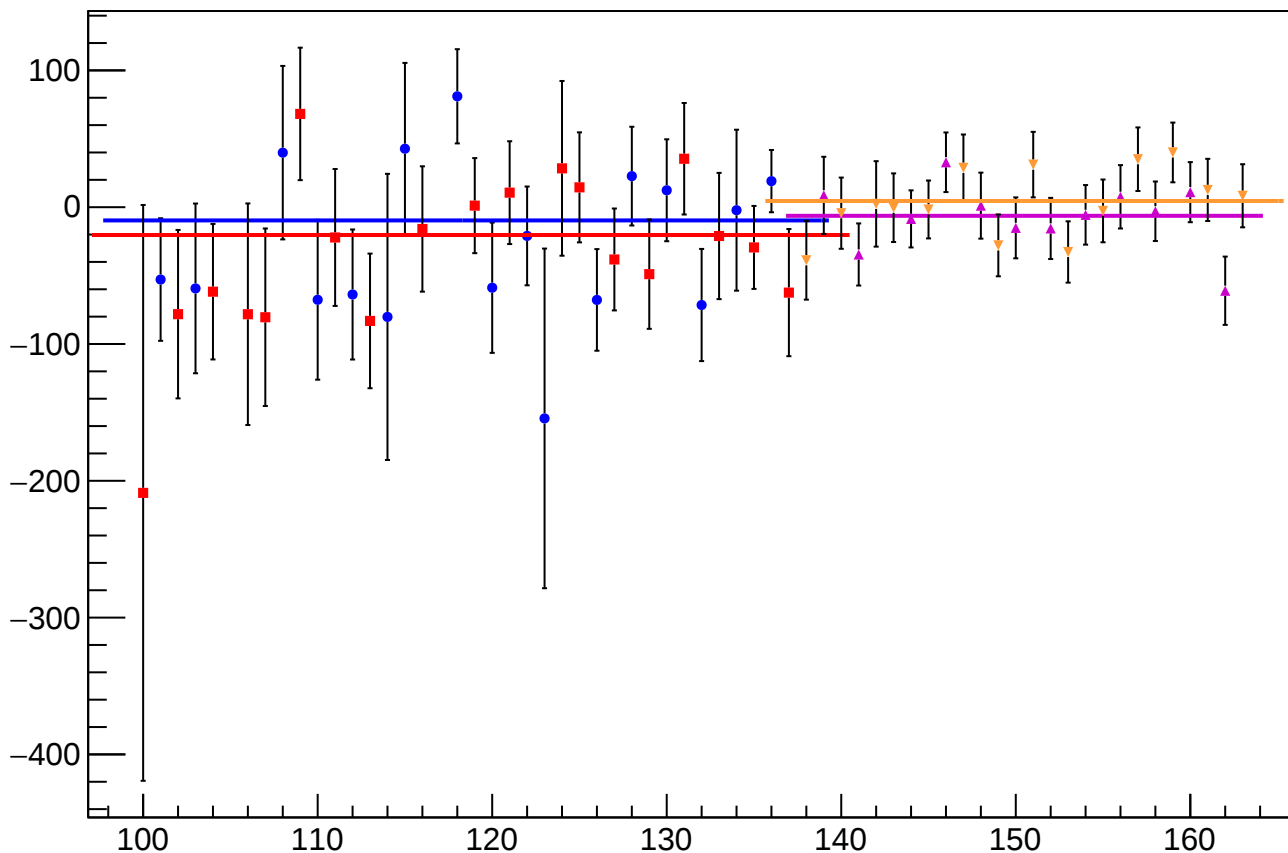
Right: 1329.131+/-0.259 χ^2/NDF : 880266.0/35

In: 863.127+/-0.158 χ^2/NDF : 2834715.9/28

Out: 881.747+/-0.156 χ^2/NDF : 3090210.9/32

All: 872.591+/-0.111 χ^2/NDF : 5931955.1/61

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: 4.552 ± 6.378 χ^2/NDF : 14.2/13

Right Out: -20.335 ± 10.444 χ^2/NDF : 14.7/18

Left In: -6.296 ± 6.579 χ^2/NDF : 11.3/11

Left: -0.704 ± 4.579 χ^2/NDF : 26.9/25

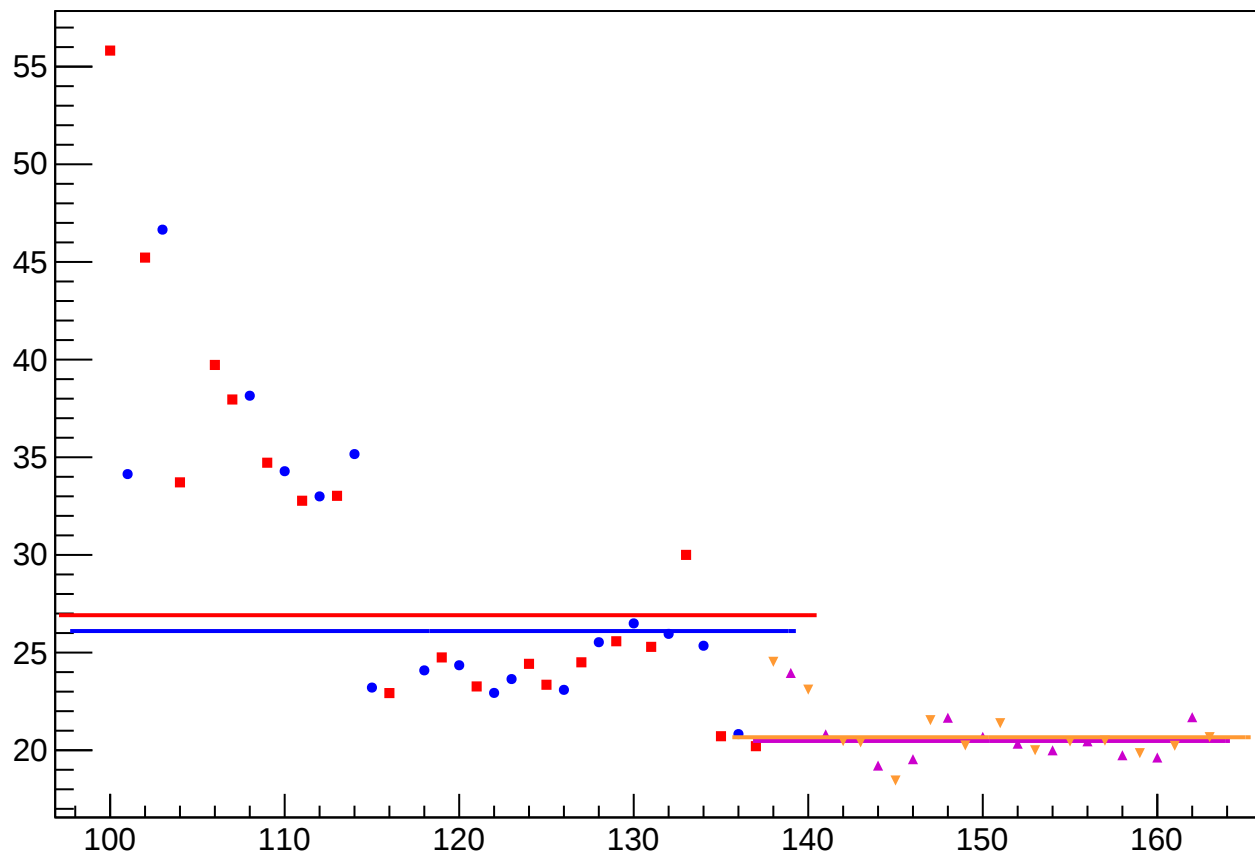
Right: -14.983 ± 7.372 χ^2/NDF : 37.7/35

In: -7.259 ± 5.561 χ^2/NDF : 34.0/28

Out: -2.209 ± 5.444 χ^2/NDF : 33.0/32

All: -4.680 ± 3.890 χ^2/NDF : 67.4/61

reg_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 26.103 $\pm$ 0.007 χ^2 /NDF: 604038.5/16

Left Out: 20.665 $\pm$ 0.005 χ^2 /NDF: 86456.5/13

Right Out: 26.914 $\pm$ 0.007 χ^2 /NDF: 678970.2/18

Left In: 20.475 $\pm$ 0.005 χ^2 /NDF: 58028.4/11

Left: 20.573 $\pm$ 0.003 χ^2 /NDF: 145346.3/25

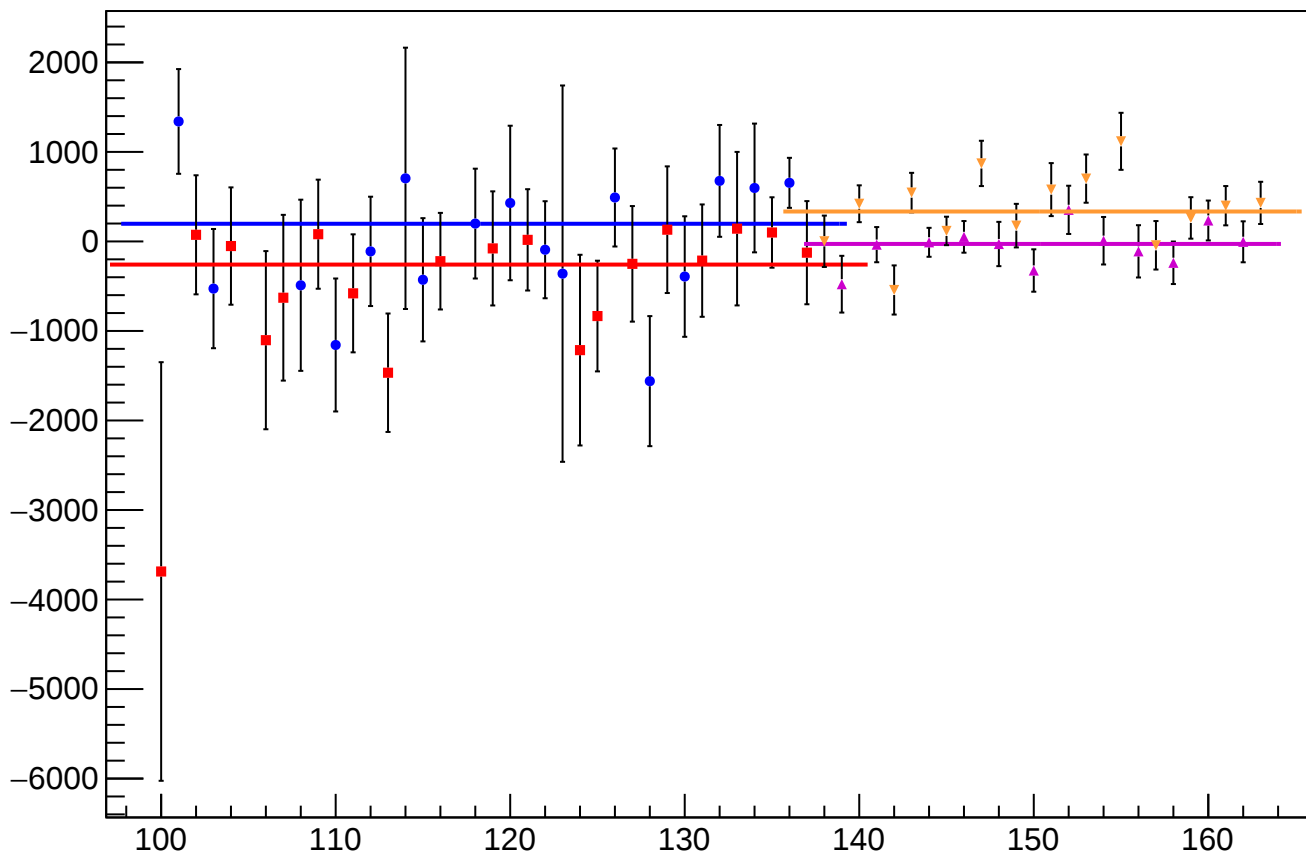
Right: 26.507 $\pm$ 0.005 χ^2 /NDF: 1289062.8/35

In: 22.082 $\pm$ 0.004 χ^2 /NDF: 1079868.3/28

Out: 22.363 $\pm$ 0.004 χ^2 /NDF: 1286889.0/32

All: 22.225 $\pm$ 0.003 χ^2 /NDF: 2369367.6/61

asym_sam_1357_2468_dd_correction_mean vs Slug, Sign Corrected



Right In: 197.327+/-147.883 χ^2/NDF : 21.0/16

Left Out: 334.339+/-63.534 χ^2/NDF : 30.3/13

Right Out: -258.537+/-149.867 χ^2/NDF : 10.7/18

Left In: -27.960+/-64.958 χ^2/NDF : 8.1/11

Left: 157.203+/-45.420 χ^2/NDF : 54.3/25

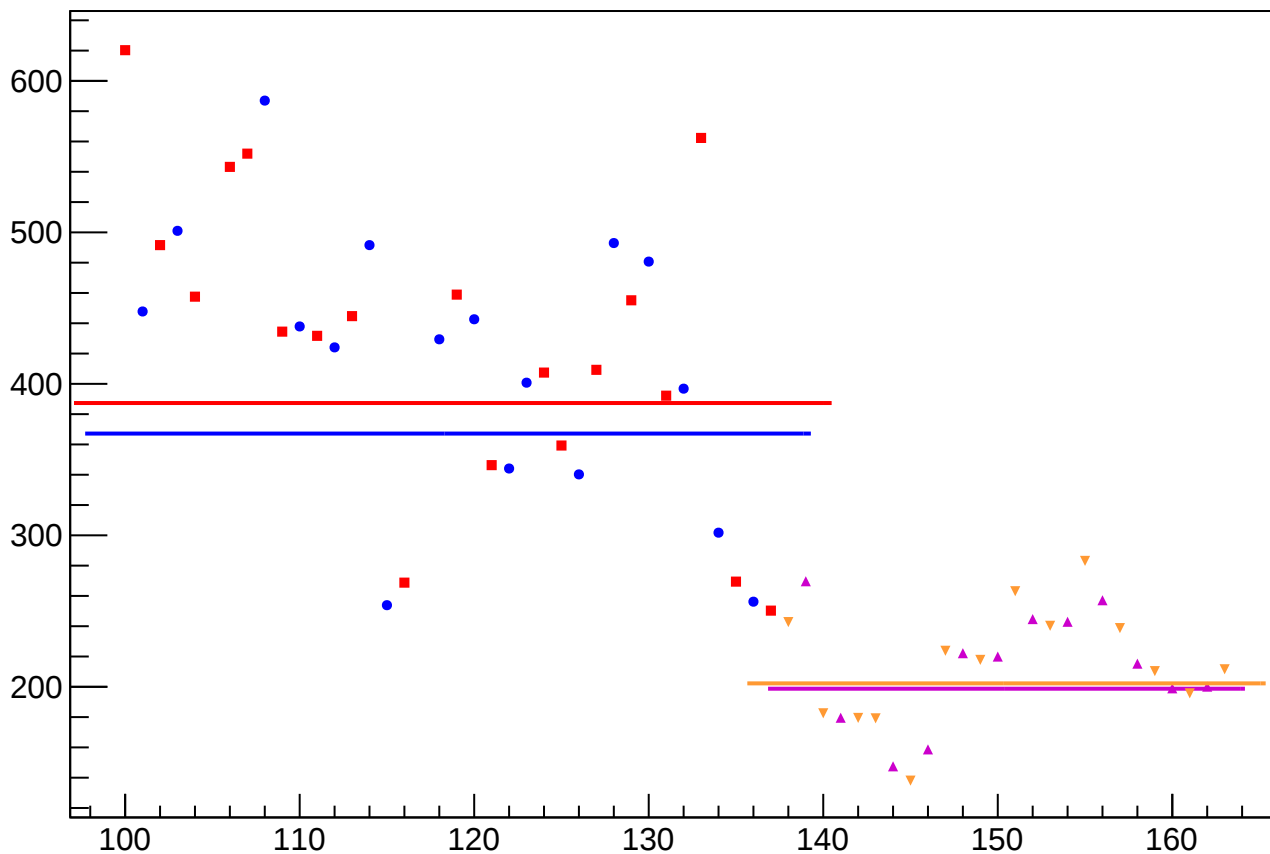
Right: -27.568+/-105.264 χ^2/NDF : 36.3/35

In: 8.477+/-59.473 χ^2/NDF : 31.0/28

Out: 244.018+/-58.495 χ^2/NDF : 54.2/32

All: 128.201+/-41.704 χ^2/NDF : 93.2/61

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: 202.261 $\pm$ 0.045 χ^2 /NDF: 739692.6/13

Right Out: 387.344 $\pm$ 0.106 χ^2 /NDF: 774562.4/18

Left In: 198.744 $\pm$ 0.046 χ^2 /NDF: 660301.1/11

Left: 200.541 $\pm$ 0.032 χ^2 /NDF: 1402989.7/25

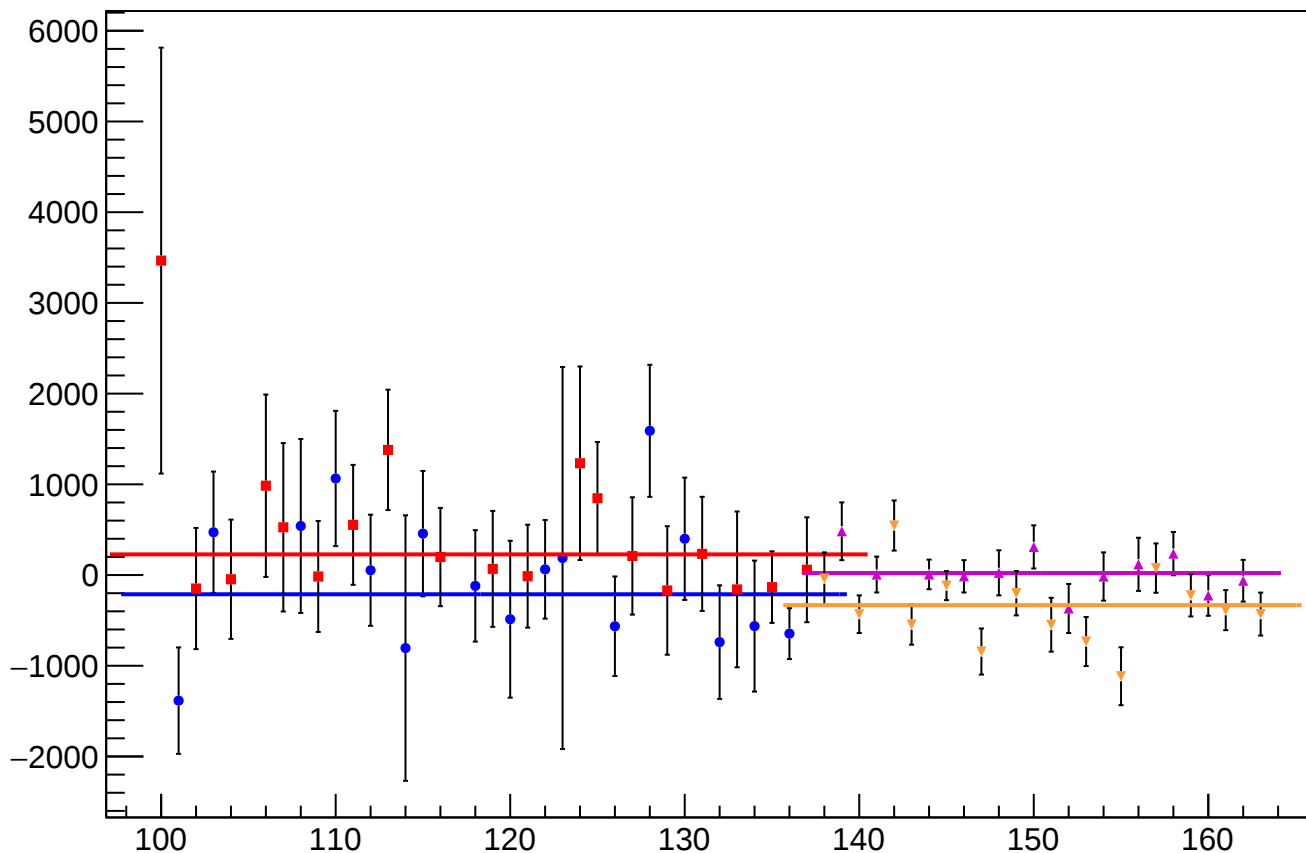
Right: 377.128 $\pm$ 0.074 χ^2 /NDF: 1620053.1/35

In: 225.986 $\pm$ 0.042 χ^2 /NDF: 3662370.5/28

Out: 230.457 $\pm$ 0.041 χ^2 /NDF: 4099910.9/32

All: 228.259 $\pm$ 0.029 χ^2 /NDF: 7768026.2/61

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -211.859 ± 148.316 $\chi^2/\text{NDF}: 21.0/16$

Left Out: -331.620 ± 63.902 $\chi^2/\text{NDF}: 29.9/13$

Right Out: 227.831 ± 150.317 $\chi^2/\text{NDF}: 10.1/18$

Left In: 22.140 ± 65.339 $\chi^2/\text{NDF}: 8.0/11$

Left: -158.673 ± 45.685 $\chi^2/\text{NDF}: 52.9/25$

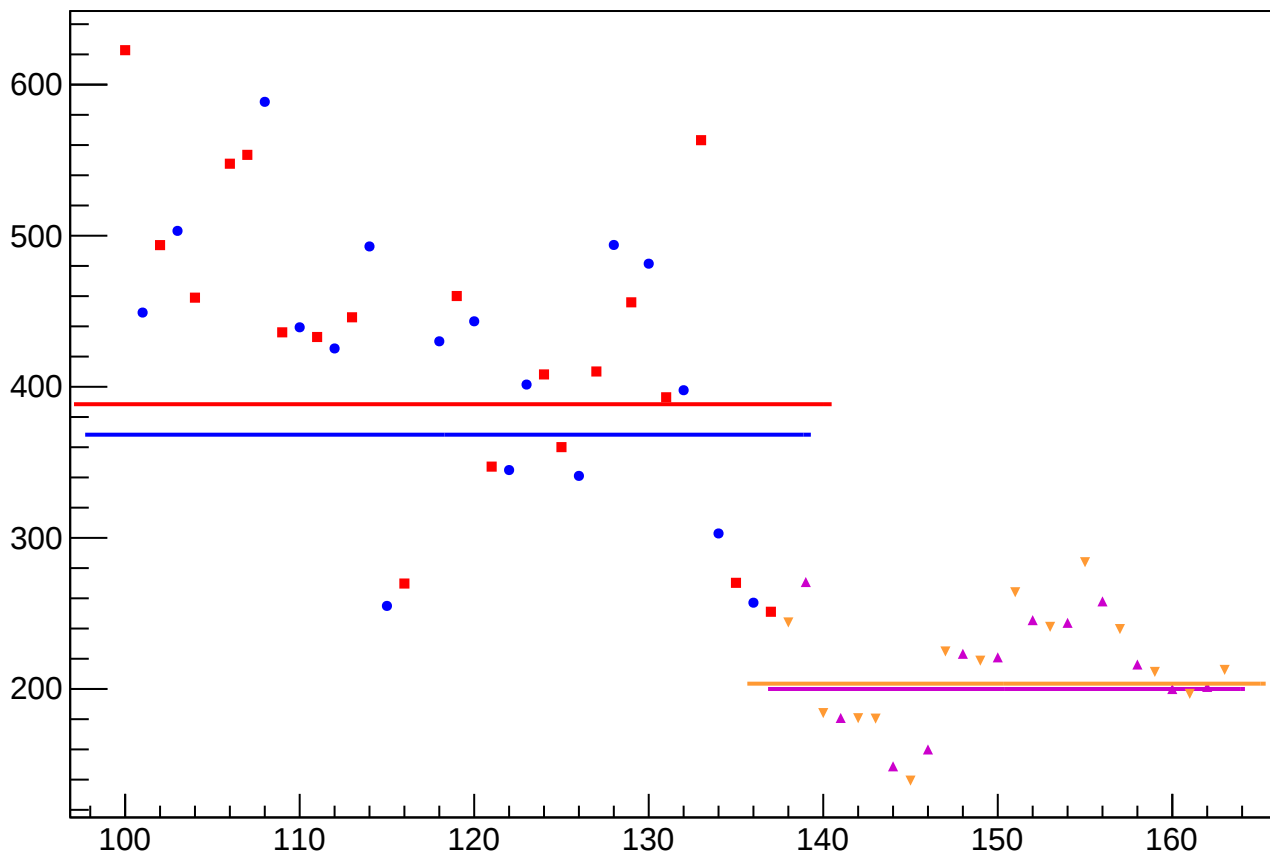
Right: 5.040 ± 105.575 $\chi^2/\text{NDF}: 35.4/35$

In: -15.892 ± 59.794 $\chi^2/\text{NDF}: 31.1/28$

Out: -245.990 ± 58.808 $\chi^2/\text{NDF}: 51.7/32$

All: -132.852 ± 41.928 $\chi^2/\text{NDF}: 90.3/61$

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: 203.512 $\pm$ 0.045 χ^2 /NDF: 725319.9/13

Right Out: 388.472 $\pm$ 0.106 χ^2 /NDF: 774717.2/18

Left In: 199.987 $\pm$ 0.046 χ^2 /NDF: 647344.3/11

Left: 201.789 $\pm$ 0.032 χ^2 /NDF: 1375640.5/25

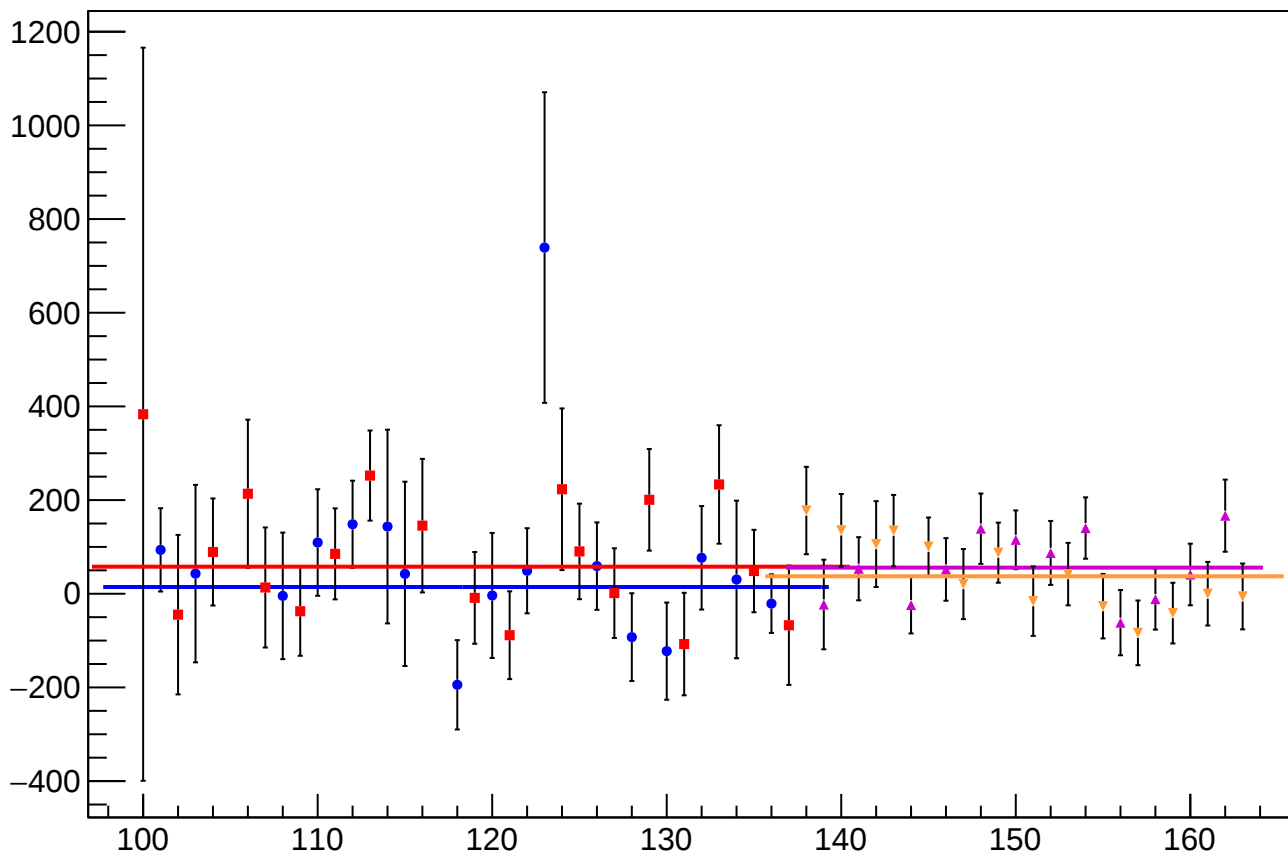
Right: 378.252 $\pm$ 0.075 χ^2 /NDF: 1617584.5/35

In: 227.343 $\pm$ 0.042 χ^2 /NDF: 3629051.3/28

Out: 231.823 $\pm$ 0.042 χ^2 /NDF: 4064660.3/32

All: 229.620 $\pm$ 0.030 χ^2 /NDF: 7699417.5/61

reg_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 14.385+/-26.334 χ^2/NDF : 17.7/16

Left Out: 37.276+/-19.121 χ^2/NDF :14.3/13

Right Out: 57.795+/-26.121 χ^2/NDF : 18.4/18

Left In: 55.750+/-19.821 χ^2/NDF :12.4/11

Left: 46.181+/-13.762 χ^2/NDF : 27.2/25

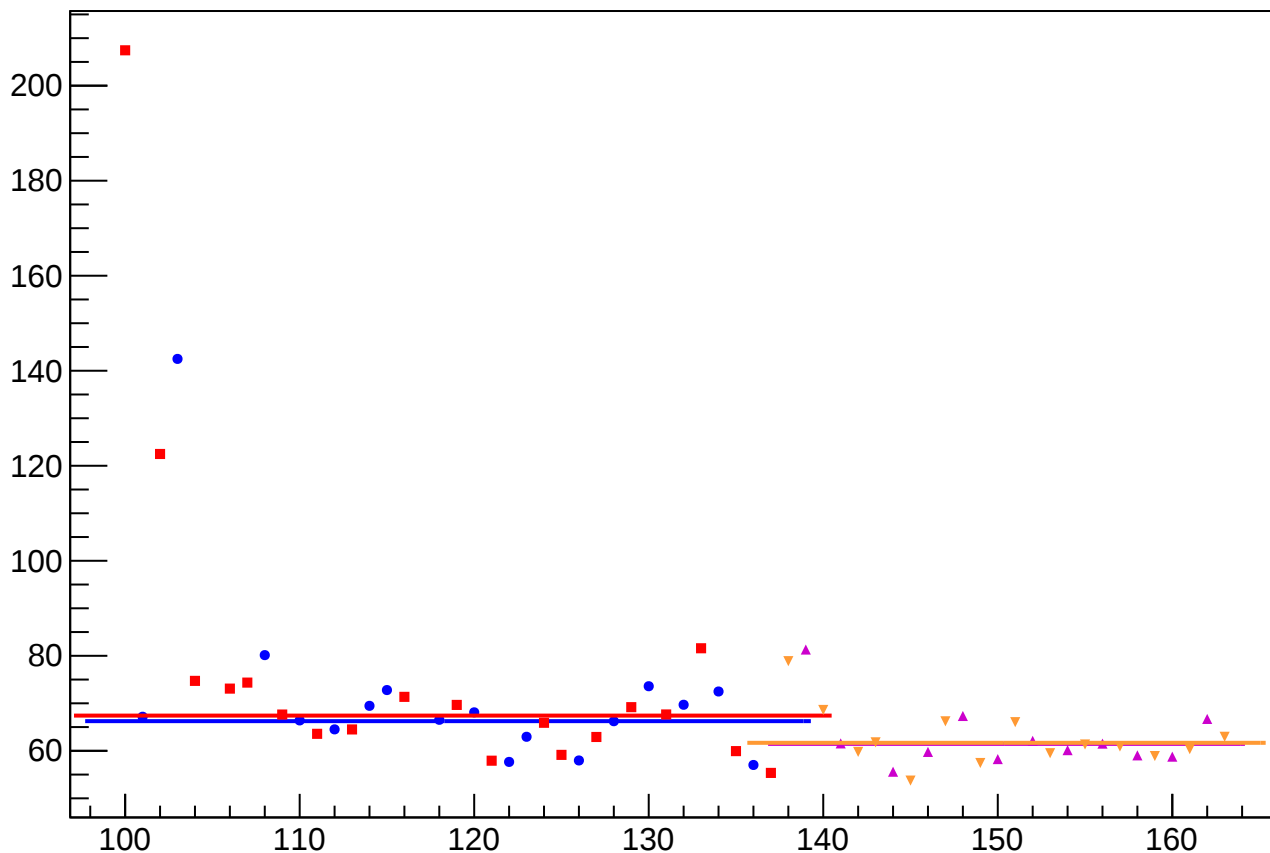
Right: 36.266+/-18.545 χ^2/NDF : 37.5/35

In: 40.790+/-15.836 χ^2/NDF :31.7/28

Out: 44.435+/-15.429 χ^2/NDF :33.1/32

All: 42.660+/-11.051 χ^2/NDF : 64.9/61

reg_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 66.247+/-0.019 χ^2/NDF : 440944.2/16

Left Out: 61.686+/-0.014 χ^2/NDF :147700.6/13

Right Out: 67.415+/-0.018 χ^2/NDF : 393608.5/18

Left In: 61.458+/-0.014 χ^2/NDF :139859.0/11

Left: 61.576+/-0.010 χ^2/NDF : 287697.5/25

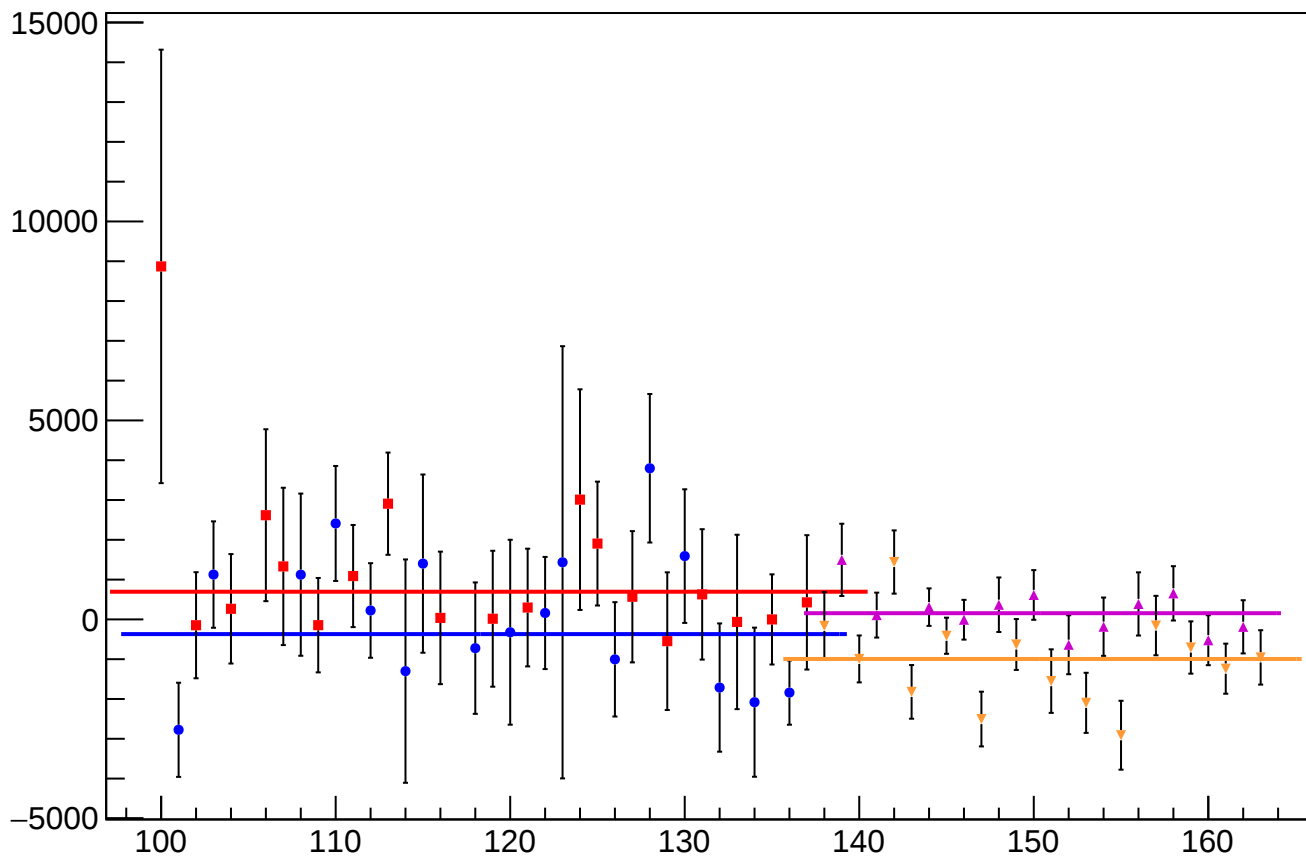
Right: 66.836+/-0.013 χ^2/NDF : 836536.0/35

In: 63.190+/-0.011 χ^2/NDF :623032.7/28

Out: 63.685+/-0.011 χ^2/NDF :603944.1/32

All: 63.444+/-0.008 χ^2/NDF : 1227980.6/61

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



Right In: -369.546 $\pm$ 366.432 χ^2 /NDF: 22.3/16

Left Out: -994.172 $\pm$ 179.909 χ^2 /NDF:27.8/13

Right Out: 695.425 $\pm$ 361.887 χ^2 /NDF: 9.9/18

Left In: 155.973 $\pm$ 183.305 χ^2 /NDF:6.5/11

Left: -429.854 $\pm$ 128.398 χ^2 /NDF: 54.3/25

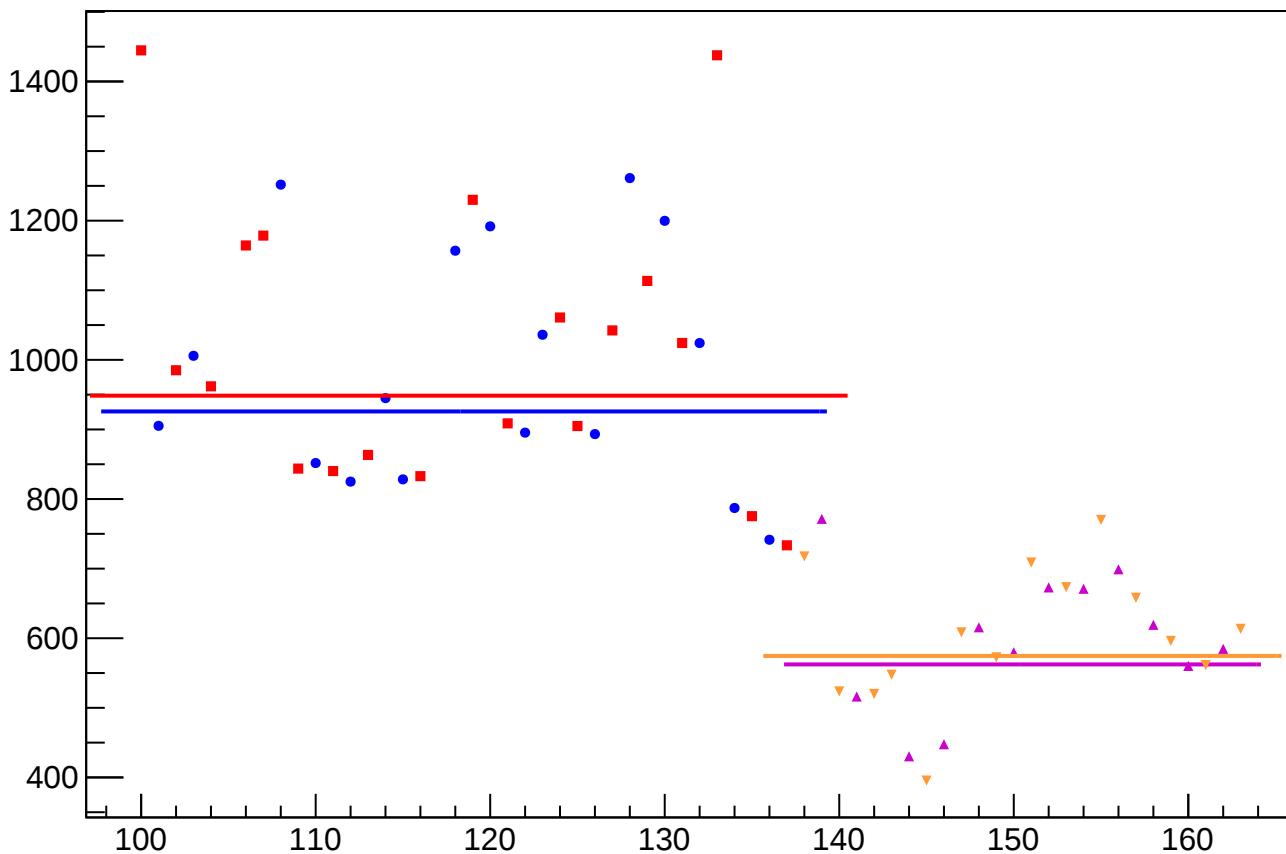
Right: 169.586 $\pm$ 257.485 χ^2 /NDF: 36.5/35

In: 50.788 $\pm$ 163.937 χ^2 /NDF:30.4/28

Out: -659.344 $\pm$ 161.099 χ^2 /NDF:55.2/32

All: -310.478 $\pm$ 114.904 χ^2 /NDF: 95.2/61

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: 574.561 $\pm$ 0.127 χ^2 /NDF: 628156.2/13

Right Out: 948.553 $\pm$ 0.256 χ^2 /NDF: 381931.9/18

Left In: 562.382 $\pm$ 0.130 χ^2 /NDF: 560025.6/11

Left: 568.586 $\pm$ 0.091 χ^2 /NDF: 1192678.5/25

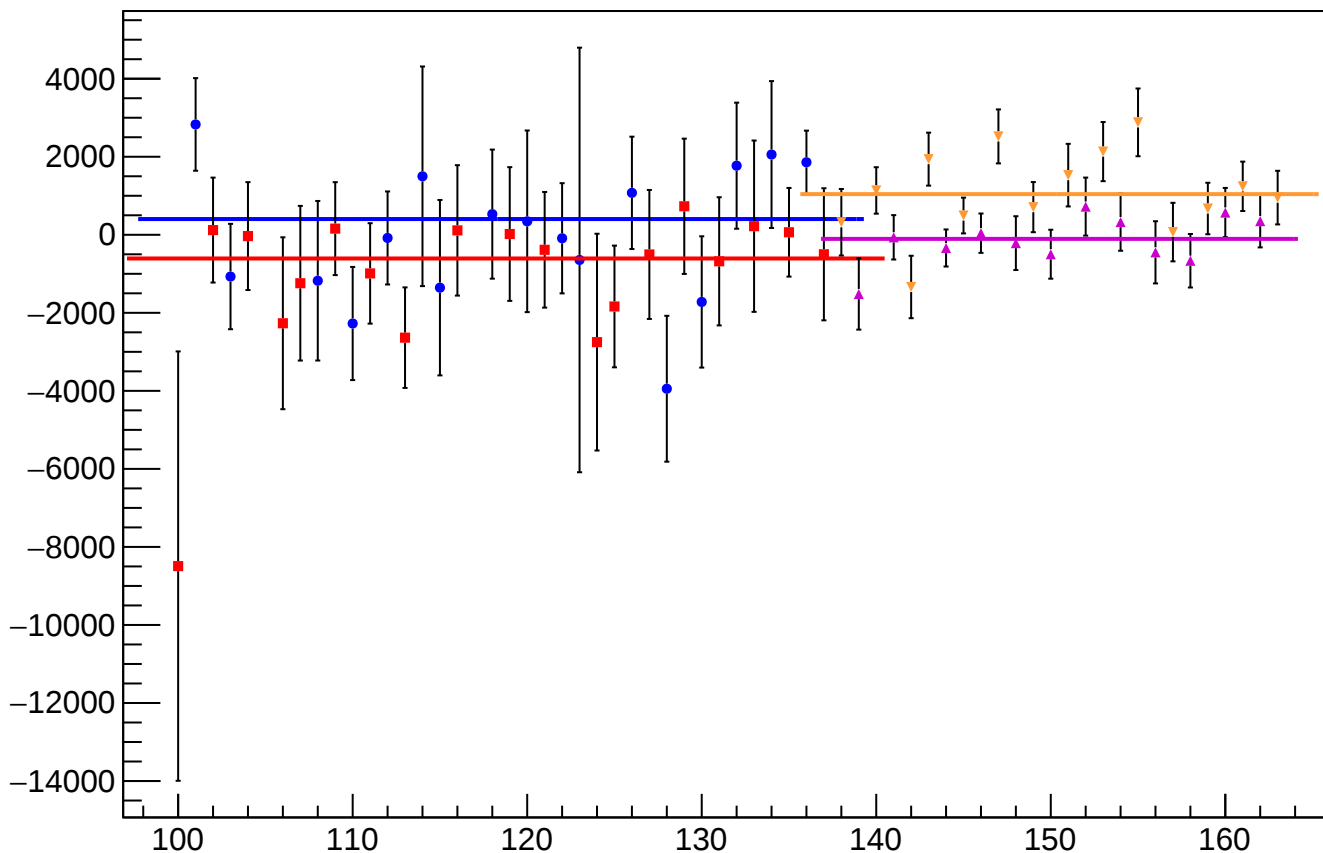
Right: 937.360 $\pm$ 0.182 χ^2 /NDF: 776890.8/35

In: 635.139 $\pm$ 0.116 χ^2 /NDF: 2525319.7/28

Out: 648.675 $\pm$ 0.114 χ^2 /NDF: 2722818.9/32

All: 642.025 $\pm$ 0.081 χ^2 /NDF: 5255075.1/61

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 403.591+/-367.686 χ^2/NDF : 22.4/16

Left Out: 1042.365+/-181.048 χ^2/NDF : 26.6/13

Right Out: -607.276+/-363.327 χ^2/NDF : 8.8/18

Left In: -104.807+/-184.497 χ^2/NDF : 7.2/11

Left: 479.603+/-129.223 χ^2/NDF : 53.5/25

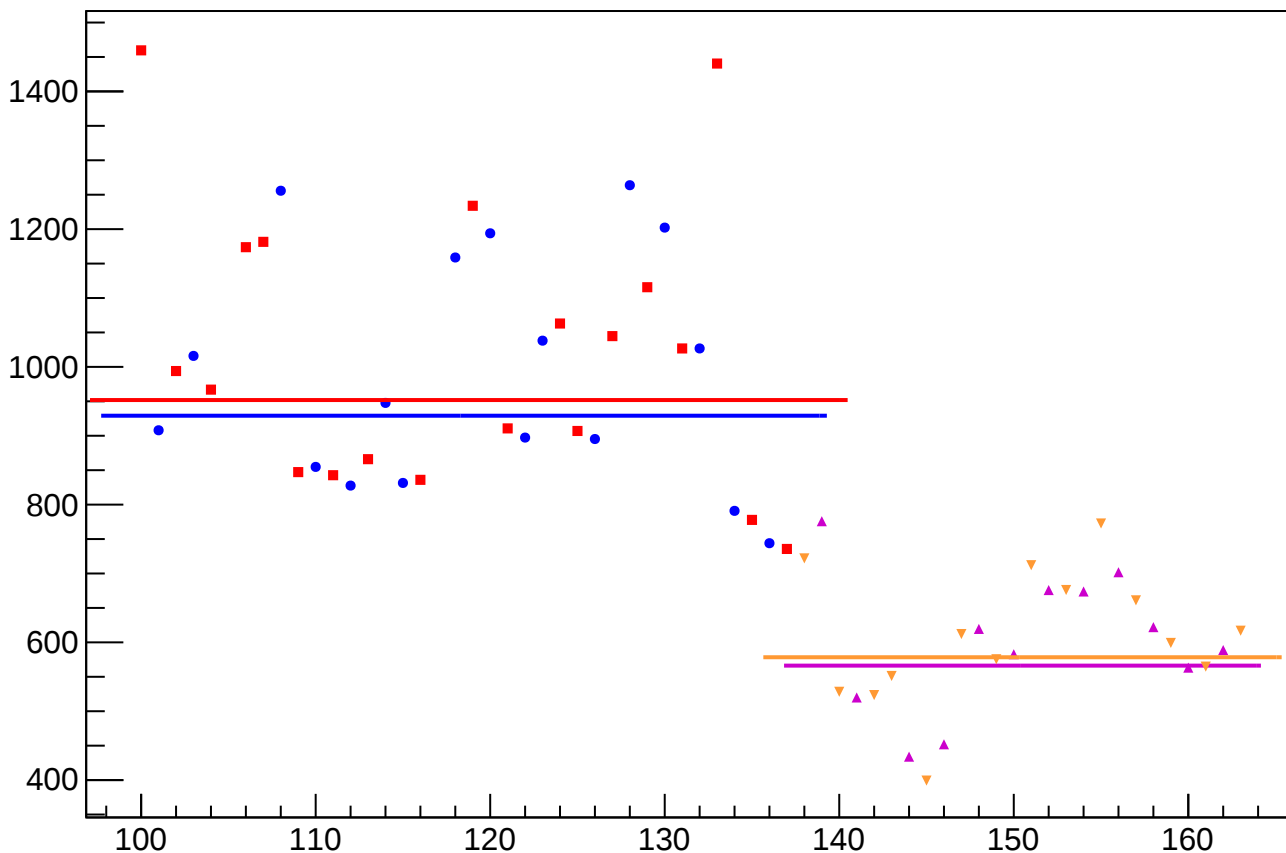
Right: -107.869+/-258.438 χ^2/NDF : 35.1/35

In: -2.548+/-164.902 χ^2/NDF : 31.1/28

Out: 714.225+/-162.044 χ^2/NDF : 52.0/32

All: 362.104+/-115.580 χ^2/NDF : 92.7/61

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Left: 572.410 $\pm$ 0.091 χ^2/NDF : 1169606.7/25

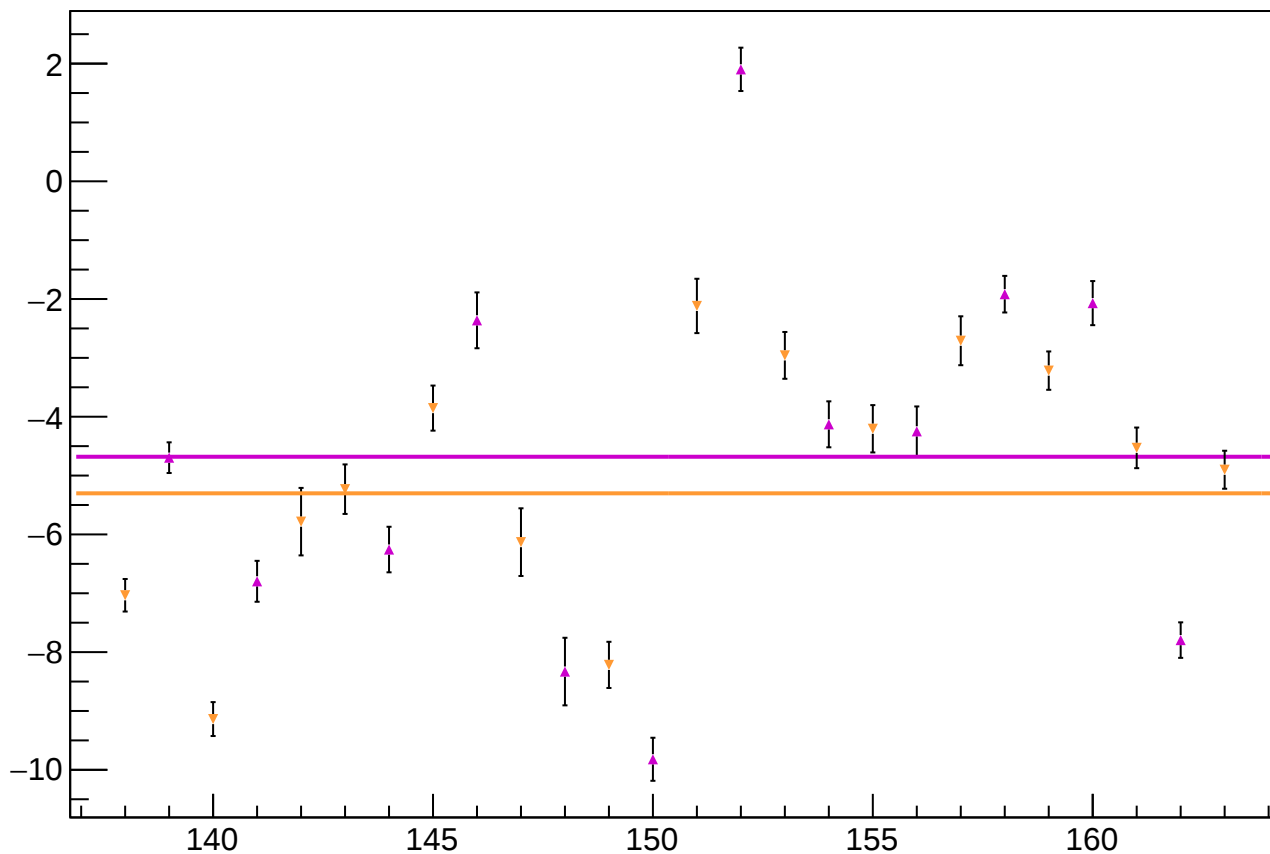
Right: 940.607 $\pm$ 0.183 χ^2/NDF : 776385.5/35

In: 639.204 $\pm$ 0.117 χ^2/NDF : 2495896.2/28

Out: 652.665 $\pm$ 0.115 χ^2/NDF : 2690914.2/32

All: 646.053 $\pm$ 0.082 χ^2/NDF : 5193590.5/61

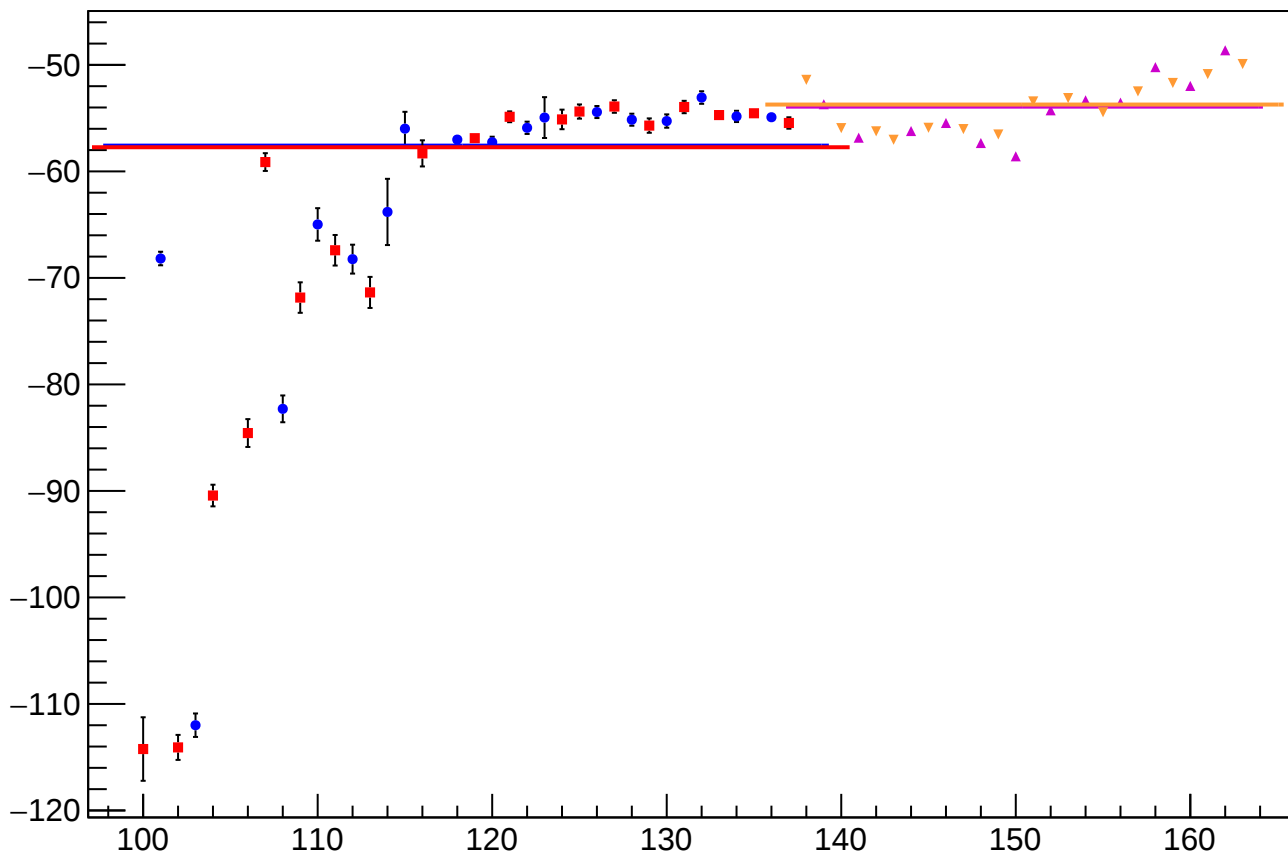
reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -5.302 $\pm$ 0.100 χ^2/NDF :464.9/13
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -4.680 $\pm$ 0.104 χ^2/NDF :871.9/11

Left: -5.004 $\pm$ 0.072 χ^2/NDF : 1355.5/25
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: -4.680 $\pm$ 0.104 χ^2/NDF :871.9/11
 Out: -5.302 $\pm$ 0.100 χ^2/NDF :464.9/13
 All: -5.004 $\pm$ 0.072 χ^2/NDF : 1355.5/25

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.581 ± 0.143 χ^2/NDF : 3455.5/16

Left Out: -53.724 ± 0.073 χ^2/NDF : 1033.4/13

Right Out: -57.732 ± 0.143 χ^2/NDF : 4698.5/18

Left In: -53.920 ± 0.078 χ^2/NDF : 1553.8/11

Left: -53.816 ± 0.053 χ^2/NDF : 2590.5/25

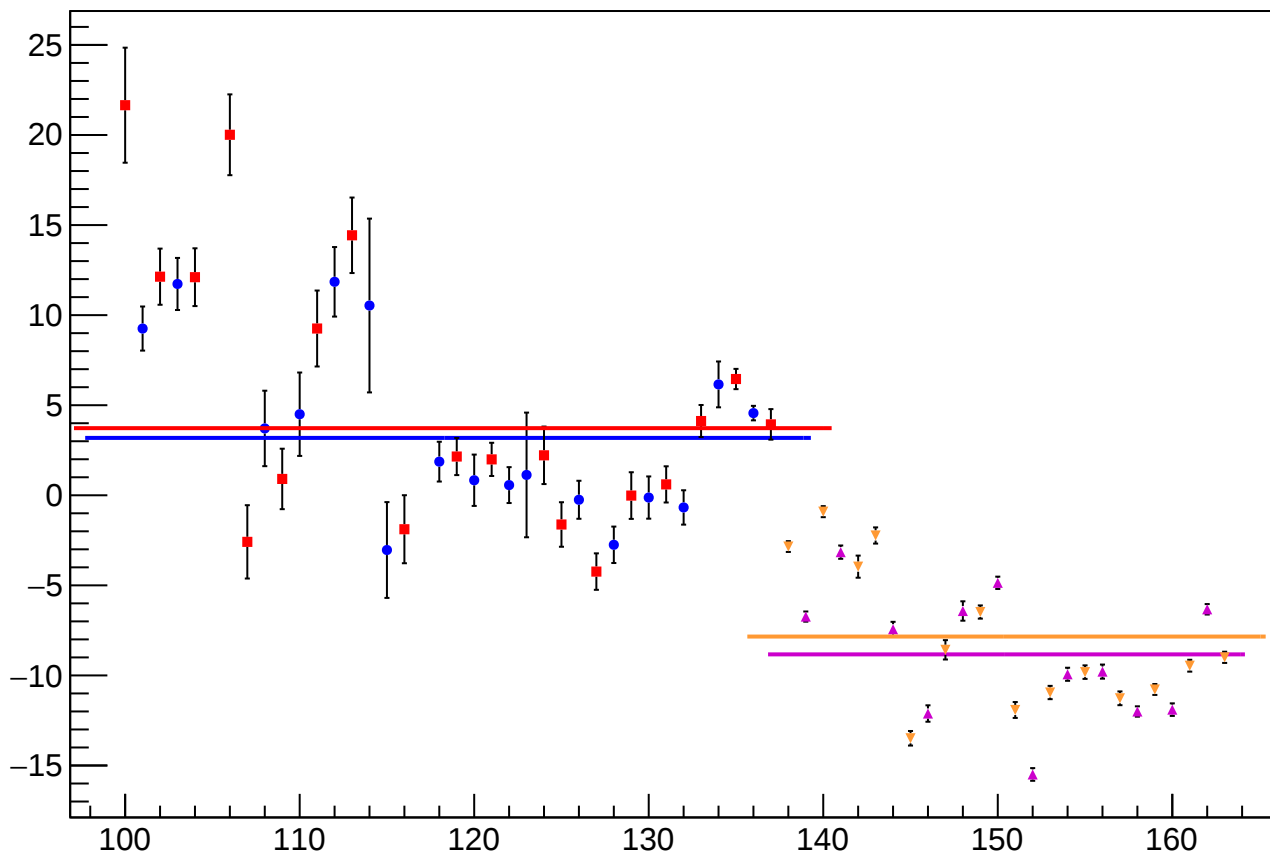
Right: -57.657 ± 0.101 χ^2/NDF : 8154.5/35

In: -54.757 ± 0.068 χ^2/NDF : 5514.4/28

Out: -54.556 ± 0.065 χ^2/NDF : 6354.7/32

All: -54.652 ± 0.047 χ^2/NDF : 11873.6/61

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.185 ± 0.259 $\chi^2/\text{NDF}: 185.8/16$

Left Out: -7.842 ± 0.098 $\chi^2/\text{NDF}: 1590.5/13$

Right Out: 3.726 ± 0.268 $\chi^2/\text{NDF}: 324.1/18$

Left In: -8.831 ± 0.102 $\chi^2/\text{NDF}: 1155.3/11$

Left: -8.321 ± 0.071 $\chi^2/\text{NDF}: 2794.6/25$

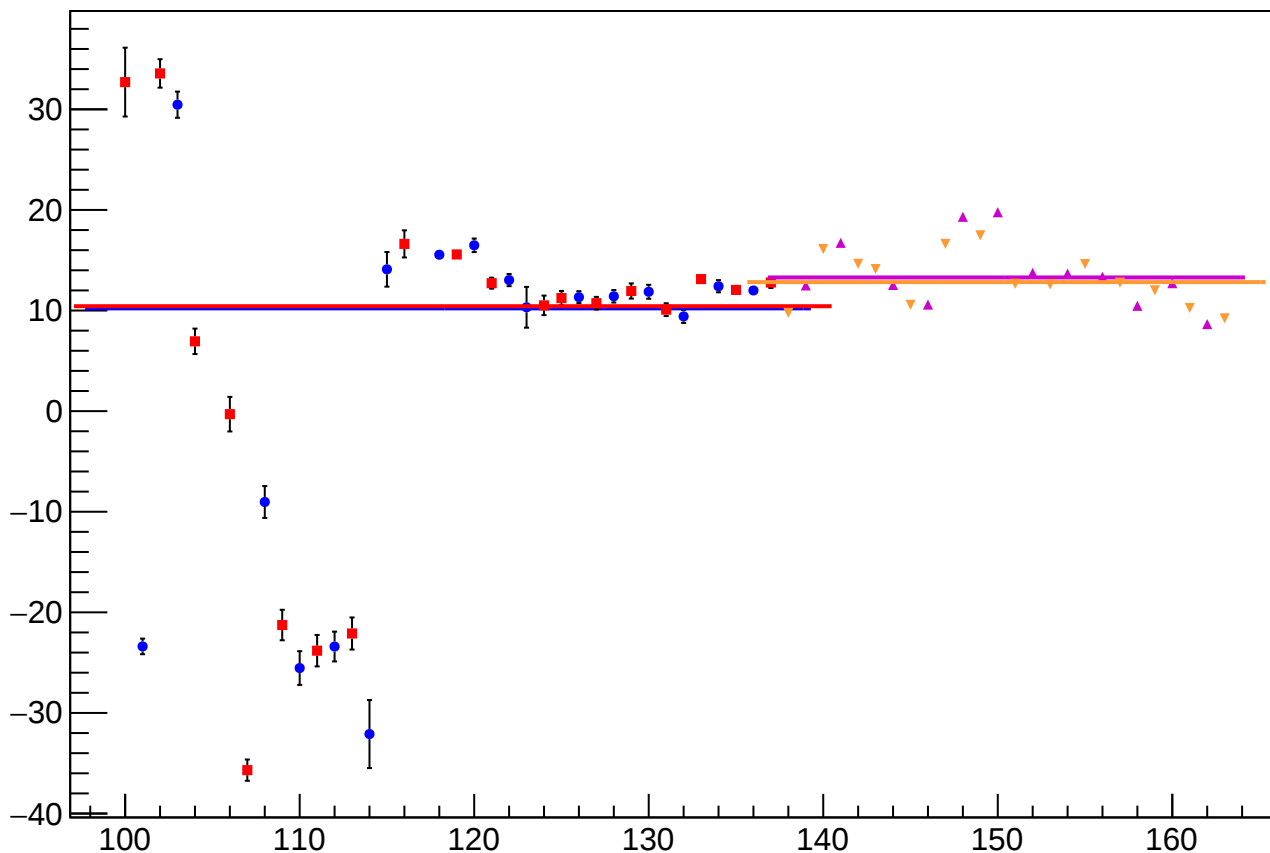
Right: 3.447 ± 0.186 $\chi^2/\text{NDF}: 512.0/35$

In: -7.228 ± 0.095 $\chi^2/\text{NDF}: 3206.6/28$

Out: -6.463 ± 0.092 $\chi^2/\text{NDF}: 3561.4/32$

All: -6.837 ± 0.066 $\chi^2/\text{NDF}: 6801.5/61$

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.215+/-0.158 χ^2/NDF : 3692.6/16

Left Out: 12.827+/-0.084 χ^2/NDF : 939.1/13

Right Out: 10.430+/-0.160 χ^2/NDF : 3826.9/18

Left In: 13.288+/-0.088 χ^2/NDF : 1427.3/11

Left: 13.046+/-0.061 χ^2/NDF : 2380.8/25

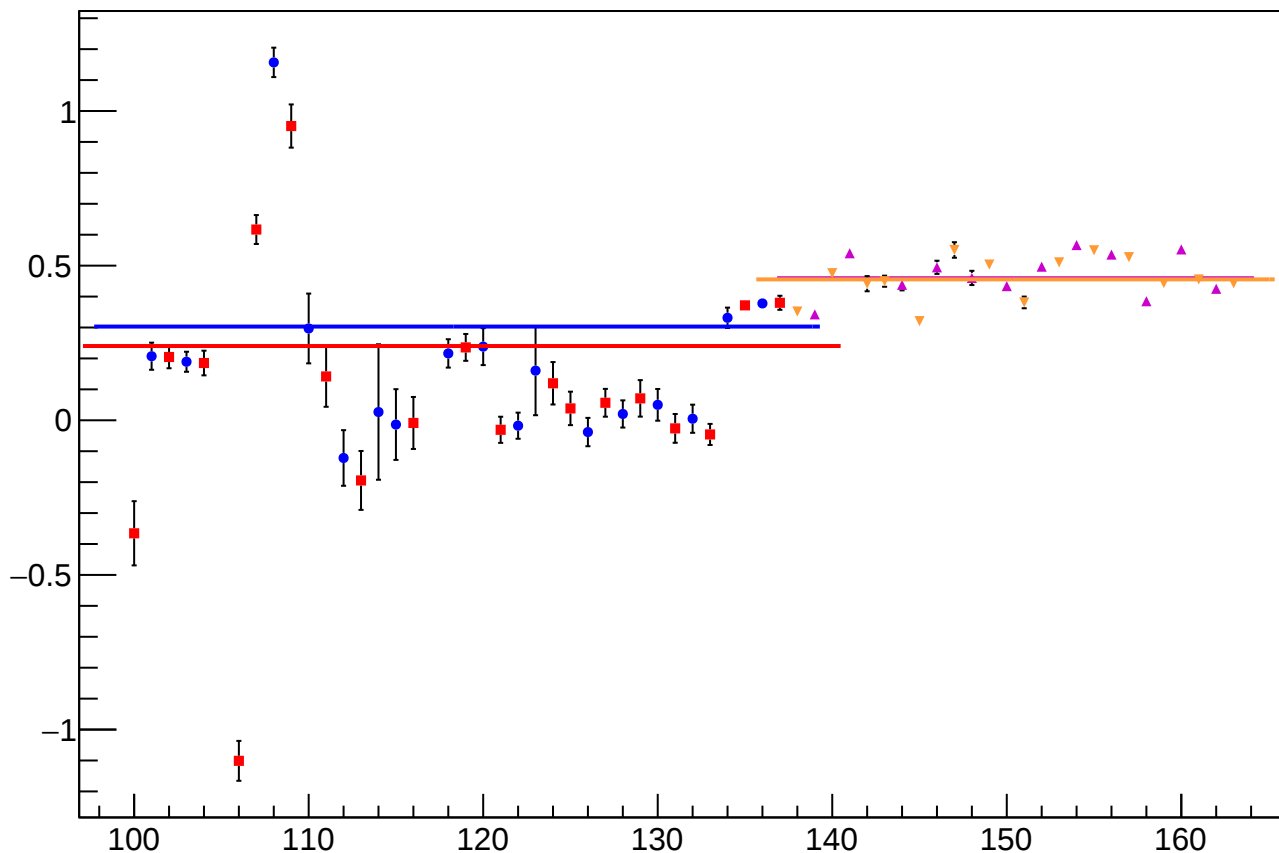
Right: 10.321+/-0.112 χ^2/NDF : 7520.5/35

In: 12.557+/-0.077 χ^2/NDF : 5408.0/28

Out: 12.311+/-0.074 χ^2/NDF : 4942.0/32

All: 12.429+/-0.053 χ^2/NDF : 10355.4/61

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.303 $\pm$ 0.008 χ^2 /NDF: 646.3/16

Left Out: 0.456 $\pm$ 0.004 χ^2 /NDF:299.1/13

Right Out: 0.240 $\pm$ 0.009 χ^2 /NDF: 984.4/18

Left In: 0.459 $\pm$ 0.004 χ^2 /NDF:403.3/11

Left: 0.457 $\pm$ 0.003 χ^2 /NDF: 702.8/25

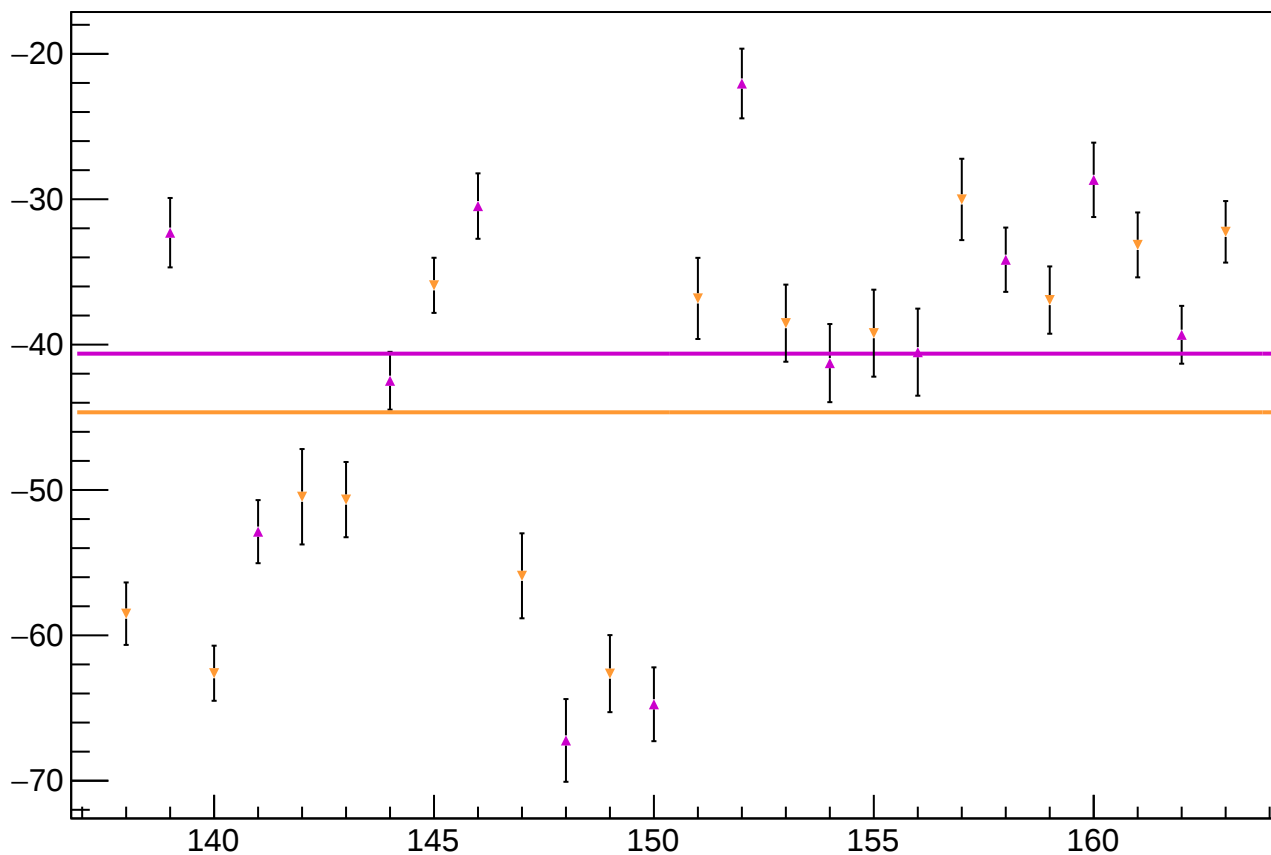
Right: 0.273 $\pm$ 0.006 χ^2 /NDF: 1658.9/35

In: 0.431 $\pm$ 0.003 χ^2 /NDF:1345.7/28

Out: 0.420 $\pm$ 0.003 χ^2 /NDF:1817.1/32

All: 0.425 $\pm$ 0.002 χ^2 /NDF: 3167.7/61

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: -44.656 $\pm$ 0.646 χ^2 /NDF:337.9/13

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -40.622 $\pm$ 0.682 χ^2 /NDF:333.8/11

Left: -42.748 $\pm$ 0.469 χ^2 /NDF: 690.1/25

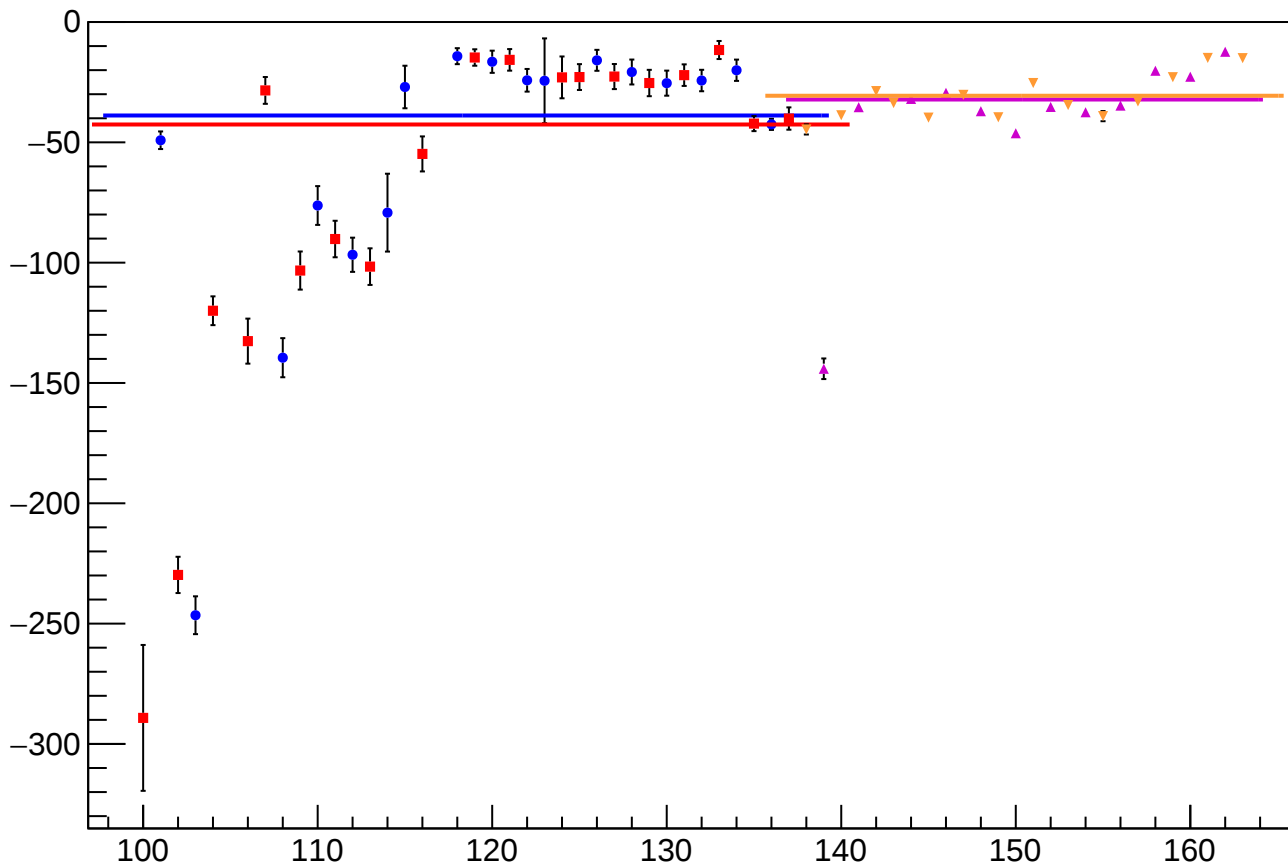
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -40.622 $\pm$ 0.682 χ^2 /NDF:333.8/11

Out: -44.656 $\pm$ 0.646 χ^2 /NDF:337.9/13

All: -42.748 $\pm$ 0.469 χ^2 /NDF: 690.1/25

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -38.844 $\pm$ 1.148 χ^2 /NDF: 1121.9/16

Left Out: -30.641 $\pm$ 0.455 χ^2 /NDF:390.3/13

Right Out: -42.586 $\pm$ 1.210 χ^2 /NDF: 1345.7/18

Left In: -32.206 $\pm$ 0.478 χ^2 /NDF:1031.8/11

Left: -31.384 $\pm$ 0.330 χ^2 /NDF: 1427.7/25

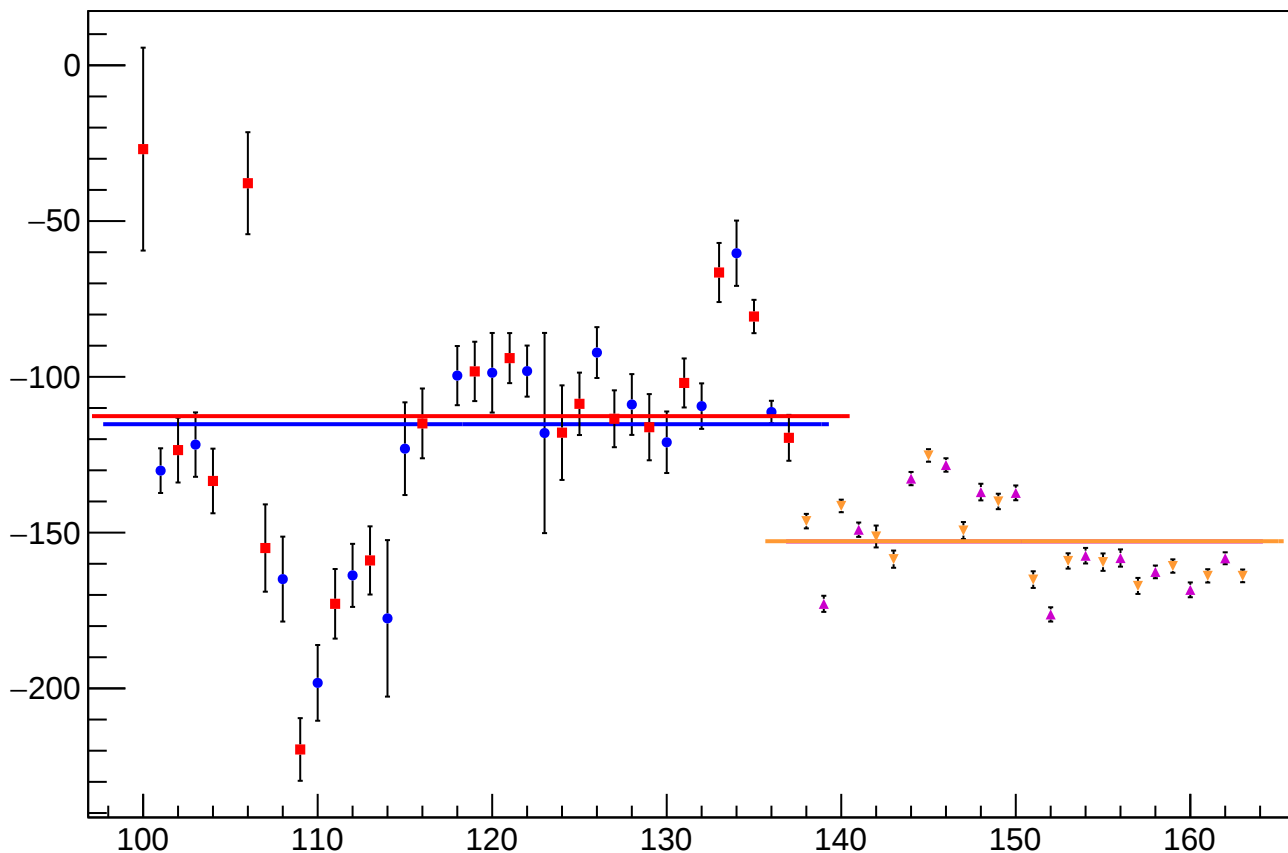
Right: -40.617 $\pm$ 0.833 χ^2 /NDF: 2472.6/35

In: -33.188 $\pm$ 0.442 χ^2 /NDF:2182.2/28

Out: -32.121 $\pm$ 0.426 χ^2 /NDF:1821.4/32

All: -32.635 $\pm$ 0.307 χ^2 /NDF: 4006.6/61

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -115.199 ± 2.081 $\chi^2/\text{NDF}: 140.8/16$

Left Out: -152.761 ± 0.639 $\chi^2/\text{NDF}: 393.3/13$

Right Out: -112.611 ± 2.209 $\chi^2/\text{NDF}: 272.4/18$

Left In: -152.835 ± 0.665 $\chi^2/\text{NDF}: 544.9/11$

Left: -152.796 ± 0.461 $\chi^2/\text{NDF}: 938.1/25$

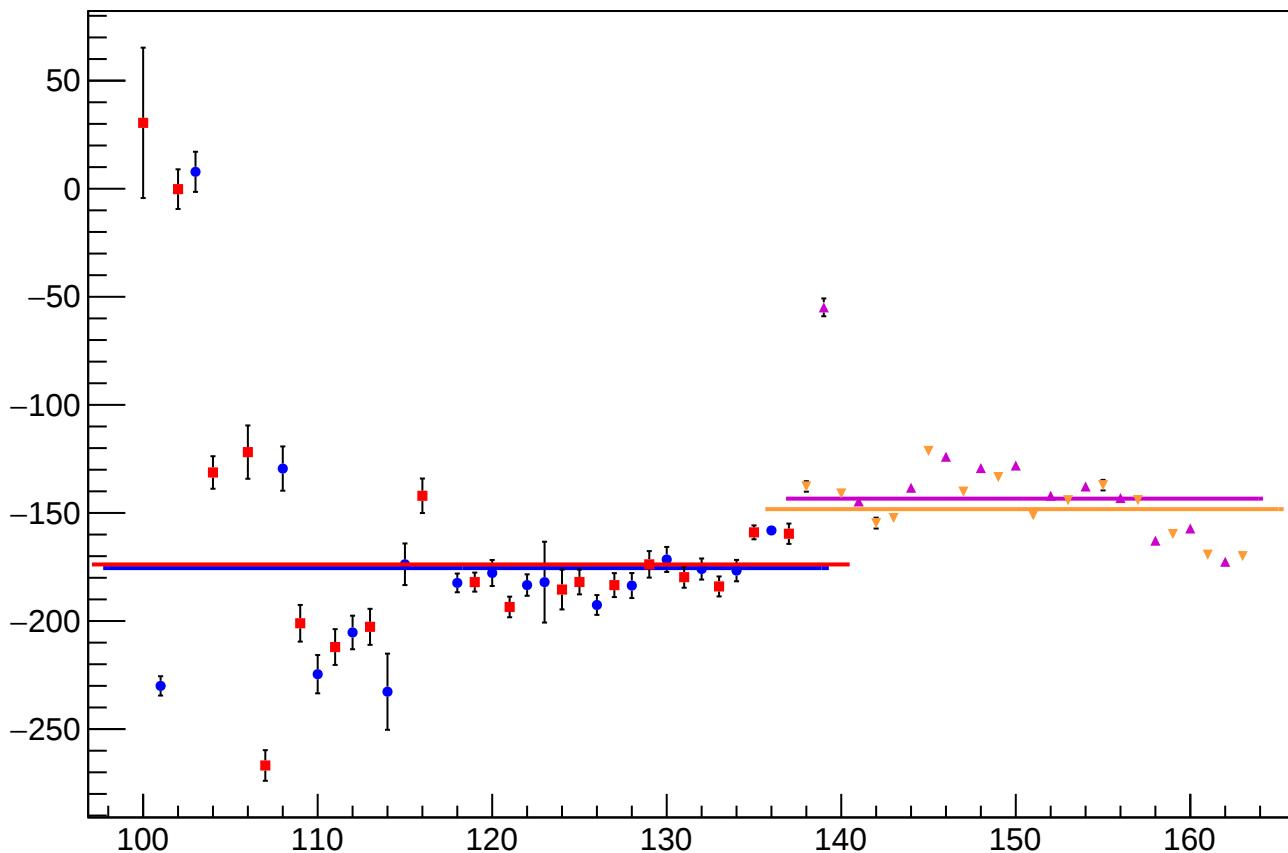
Right: -113.982 ± 1.515 $\chi^2/\text{NDF}: 413.9/35$

In: -149.347 ± 0.634 $\chi^2/\text{NDF}: 982.3/28$

Out: -149.657 ± 0.614 $\chi^2/\text{NDF}: 970.4/32$

All: -149.507 ± 0.441 $\chi^2/\text{NDF}: 1952.8/61$

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -175.521 ± 1.277 χ^2/NDF : 692.3/16

Left Out: -148.232 ± 0.531 χ^2/NDF : 750.1/13

Right Out: -173.830 ± 1.357 χ^2/NDF : 737.9/18

Left In: -143.380 ± 0.557 χ^2/NDF : 1228.6/11

Left: -145.923 ± 0.384 χ^2/NDF : 2018.4/25

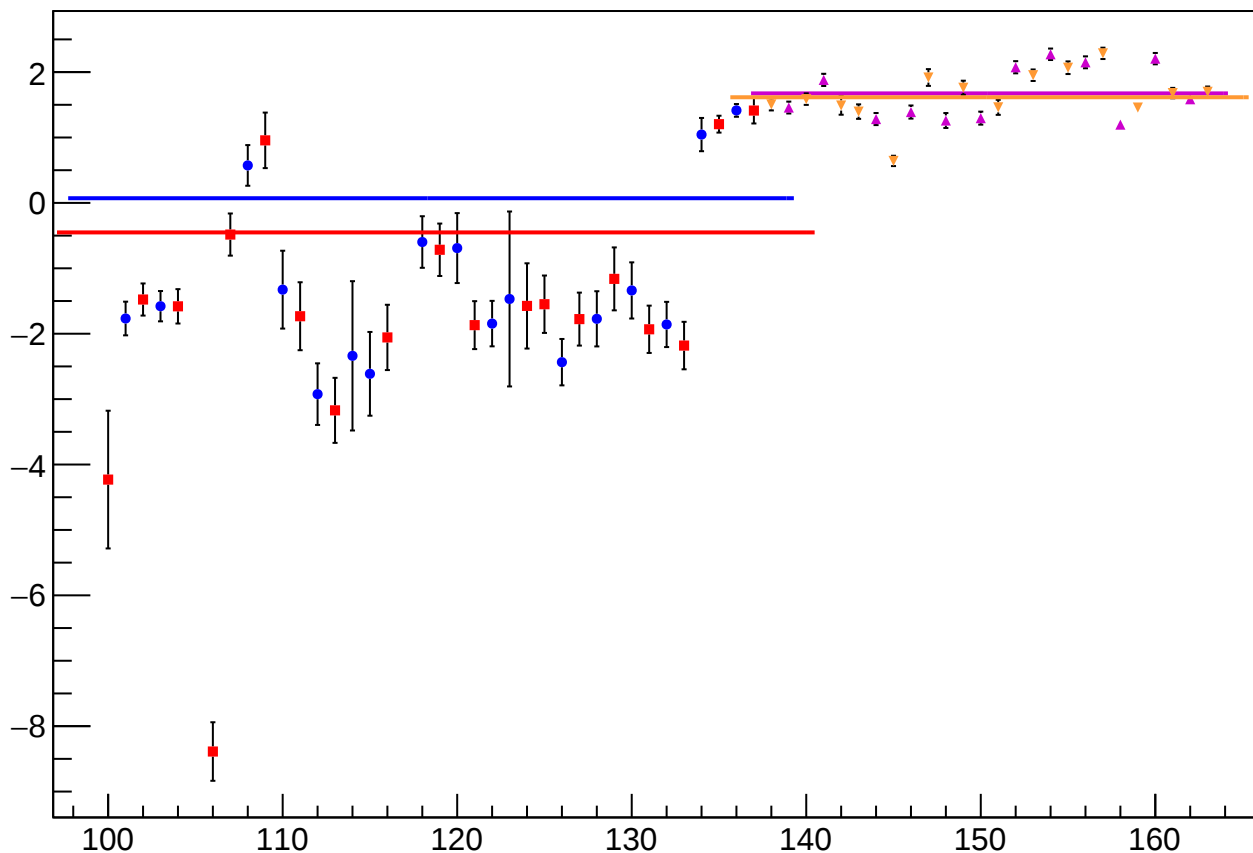
Right: -174.726 ± 0.930 χ^2/NDF : 1431.0/35

In: -148.515 ± 0.510 χ^2/NDF : 2453.1/28

Out: -151.628 ± 0.494 χ^2/NDF : 1796.8/32

All: -150.122 ± 0.355 χ^2/NDF : 4269.1/61

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.072 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.615 ± 0.025 χ^2/NDF : 269.0/13

Right Out: -0.451 ± 0.071 χ^2/NDF : 751.3/18

Left In: 1.674 ± 0.026 χ^2/NDF : 237.5/11

Left: 1.644 ± 0.018 χ^2/NDF : 509.1/25

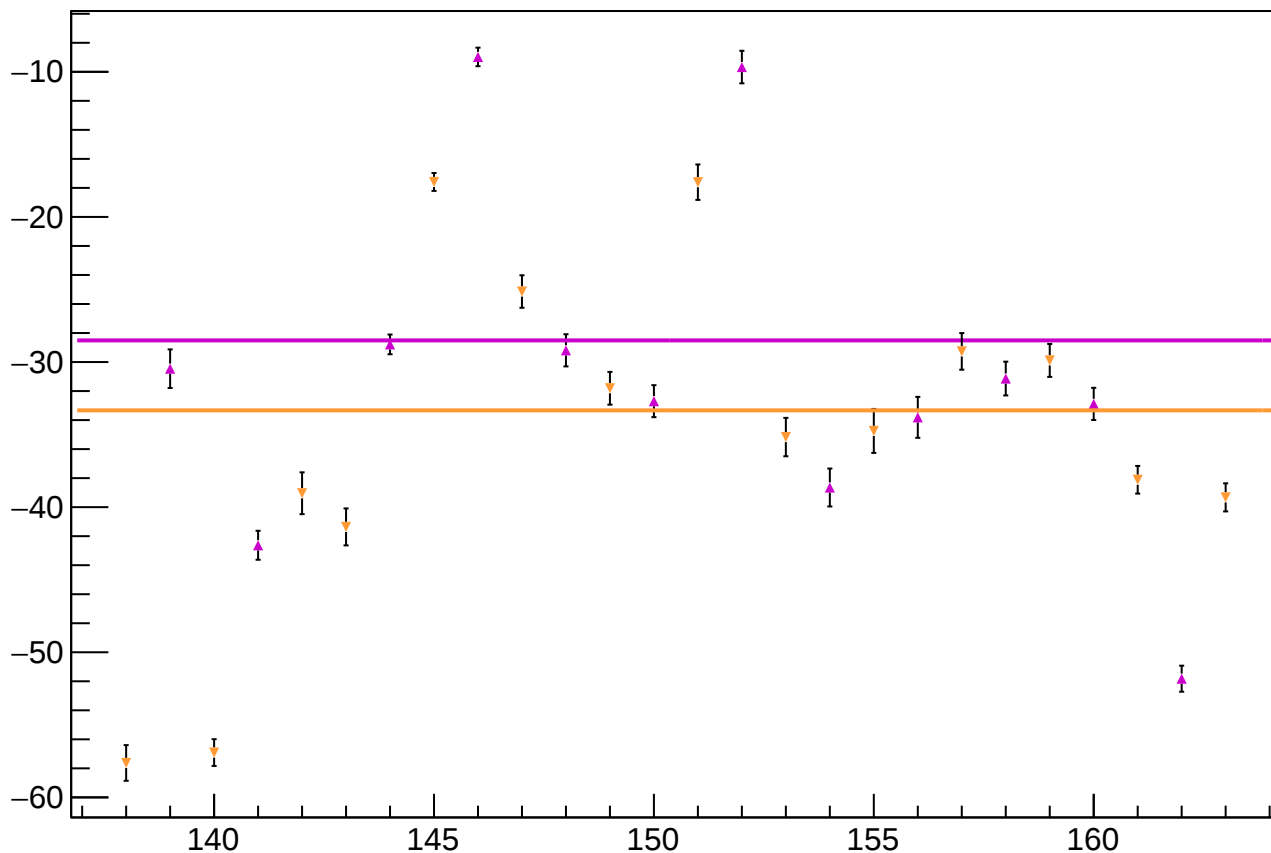
Right: -0.174 ± 0.049 χ^2/NDF : 1305.0/35

In: 1.466 ± 0.024 χ^2/NDF : 1258.5/28

Out: 1.390 ± 0.024 χ^2/NDF : 1768.2/32

All: 1.427 ± 0.017 χ^2/NDF : 3031.8/61

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



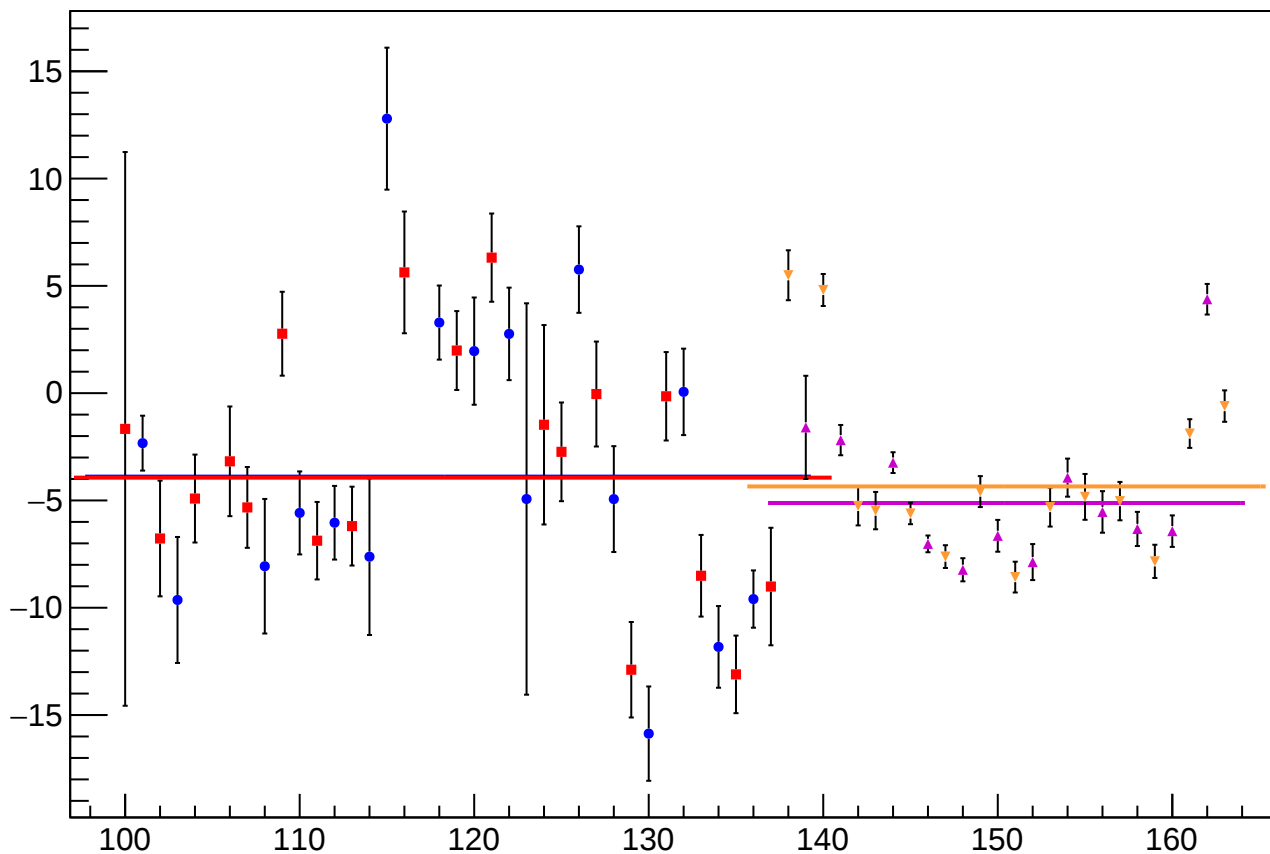
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -33.329+/-0.284 χ^2/NDF :2057.0/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -28.508+/-0.283 χ^2/NDF :2204.8/11

Left: -30.908+/-0.200 χ^2/NDF : 4406.4/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -28.508+/-0.283 χ^2/NDF :2204.8/11
 Out: -33.329+/-0.284 χ^2/NDF :2057.0/13

All: -30.908+/-0.200 χ^2/NDF : 4406.4/25

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.890 ± 0.498 $\chi^2/\text{NDF}: 160.5/16$

Left Out: -4.347 ± 0.198 $\chi^2/\text{NDF}: 366.2/13$

Right Out: -3.937 ± 0.507 $\chi^2/\text{NDF}: 122.2/18$

Left In: -5.119 ± 0.191 $\chi^2/\text{NDF}: 291.2/11$

Left: -4.746 ± 0.137 $\chi^2/\text{NDF}: 665.3/25$

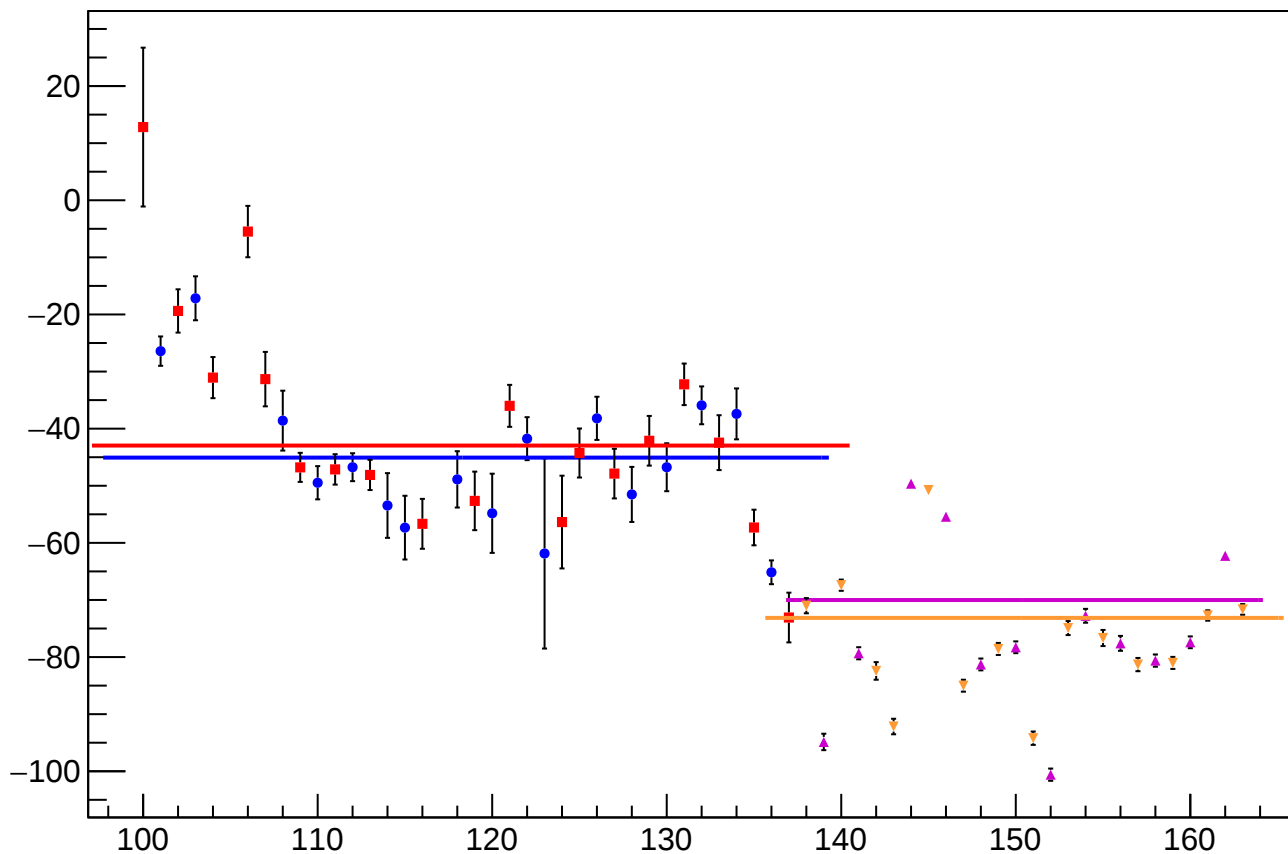
Right: -3.913 ± 0.355 $\chi^2/\text{NDF}: 282.6/35$

In: -4.961 ± 0.178 $\chi^2/\text{NDF}: 457.0/28$

Out: -4.292 ± 0.184 $\chi^2/\text{NDF}: 488.9/32$

All: -4.638 ± 0.128 $\chi^2/\text{NDF}: 952.7/61$

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -45.070 ± 0.883 χ^2/NDF : 229.7/16

Left Out: -73.138 ± 0.282 χ^2/NDF : 2032.2/13

Right Out: -42.959 ± 0.878 χ^2/NDF : 248.3/18

Left In: -70.012 ± 0.277 χ^2/NDF : 2987.5/11

Left: -71.546 ± 0.197 χ^2/NDF : 5082.3/25

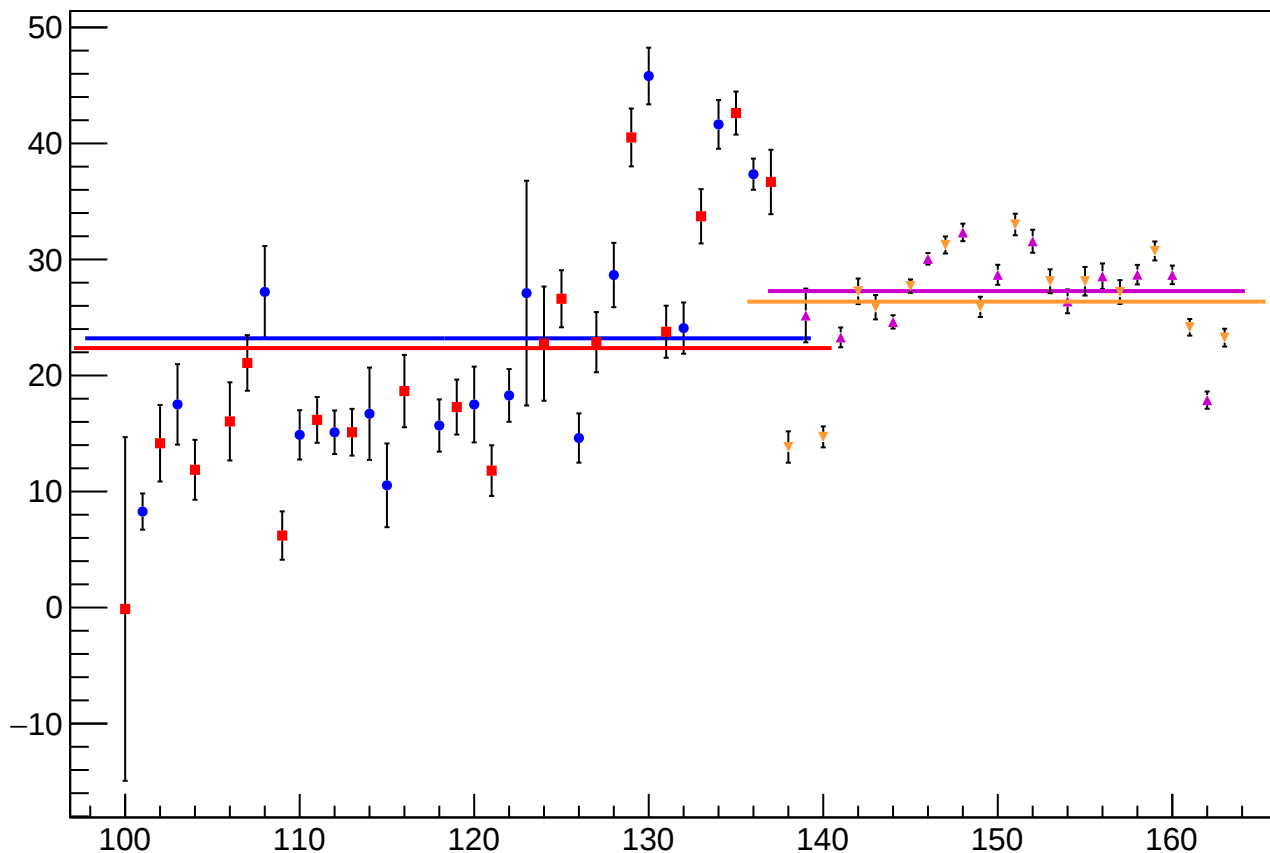
Right: -44.008 ± 0.623 χ^2/NDF : 480.9/35

In: -67.783 ± 0.264 χ^2/NDF : 3943.3/28

Out: -70.318 ± 0.268 χ^2/NDF : 3351.9/32

All: -69.030 ± 0.188 χ^2/NDF : 7340.5/61

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: 26.364 $\pm$ 0.232 χ^2 /NDF:415.0/13

Right Out: 22.361 $\pm$ 0.573 χ^2 /NDF: 366.9/18

Left In: 27.274 $\pm$ 0.227 χ^2 /NDF:309.7/11

Left: 26.829 $\pm$ 0.162 χ^2 /NDF: 732.5/25

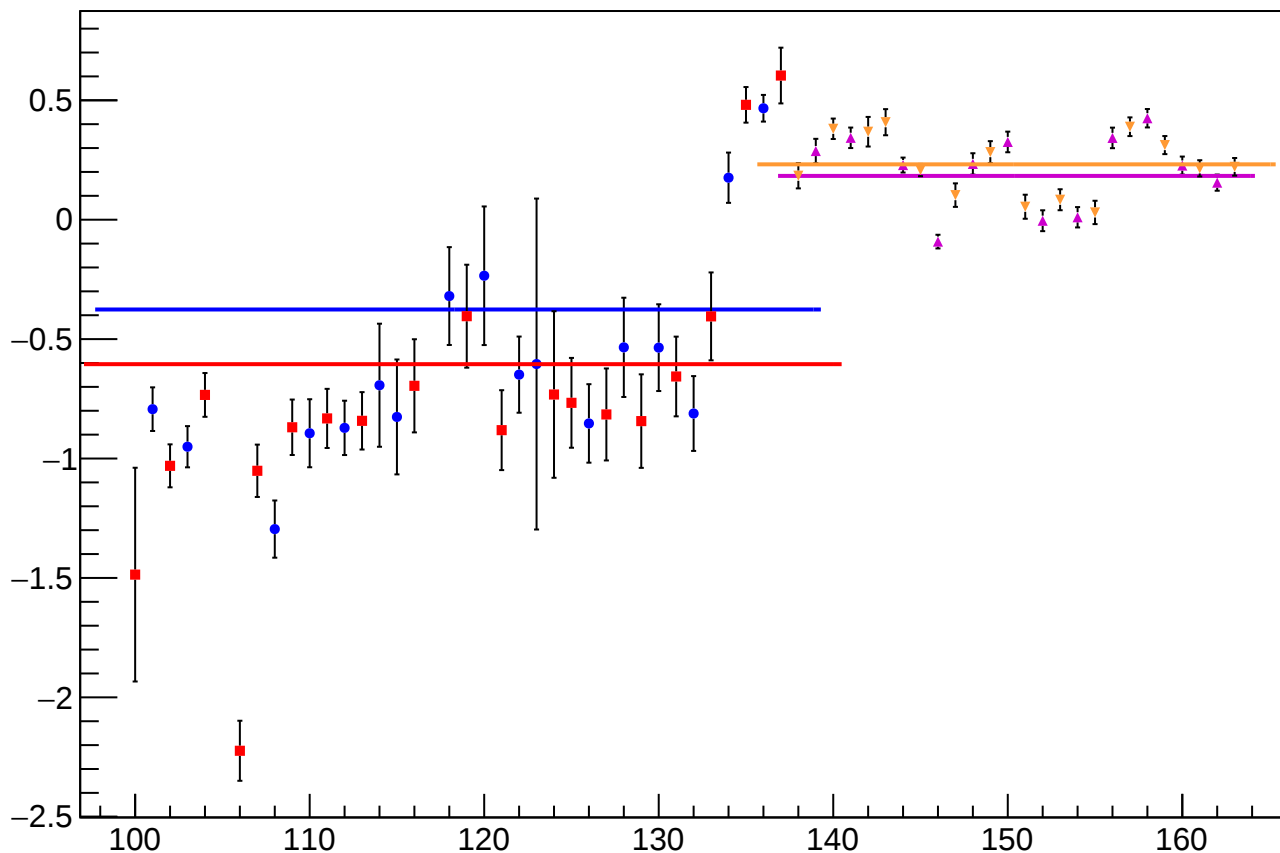
Right: 22.793 $\pm$ 0.400 χ^2 /NDF: 825.2/35

In: 26.696 $\pm$ 0.211 χ^2 /NDF:812.4/28

Out: 25.799 $\pm$ 0.215 χ^2 /NDF:823.9/32

All: 26.257 $\pm$ 0.150 χ^2 /NDF: 1645.2/61

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: 0.232 ± 0.011 $\chi^2/\text{NDF}: 99.0/13$

Right Out: -0.605 ± 0.030 $\chi^2/\text{NDF}: 551.1/18$

Left In: 0.183 ± 0.011 $\chi^2/\text{NDF}: 214.1/11$

Left: 0.208 ± 0.008 $\chi^2/\text{NDF}: 322.6/25$

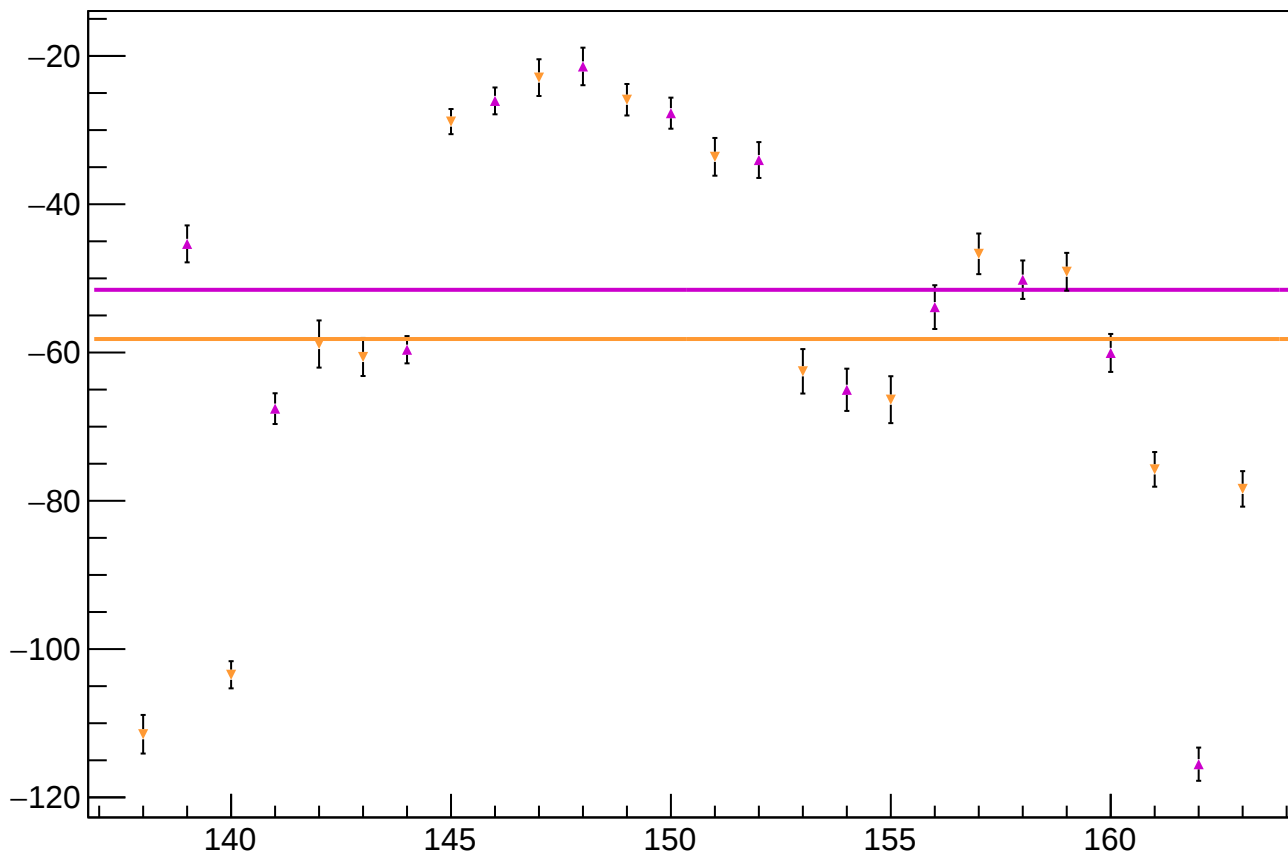
Right: -0.490 ± 0.021 $\chi^2/\text{NDF}: 1017.2/35$

In: 0.116 ± 0.010 $\chi^2/\text{NDF}: 954.8/28$

Out: 0.133 ± 0.010 $\chi^2/\text{NDF}: 1325.9/32$

All: 0.125 ± 0.007 $\chi^2/\text{NDF}: 2282.0/61$

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: -58.179 $\pm$ 0.640 χ^2/NDF :2023.2/13

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left In: -51.543 $\pm$ 0.661 χ^2/NDF :1457.1/11

Left: -54.967 $\pm$ 0.460 χ^2/NDF : 3532.2/25

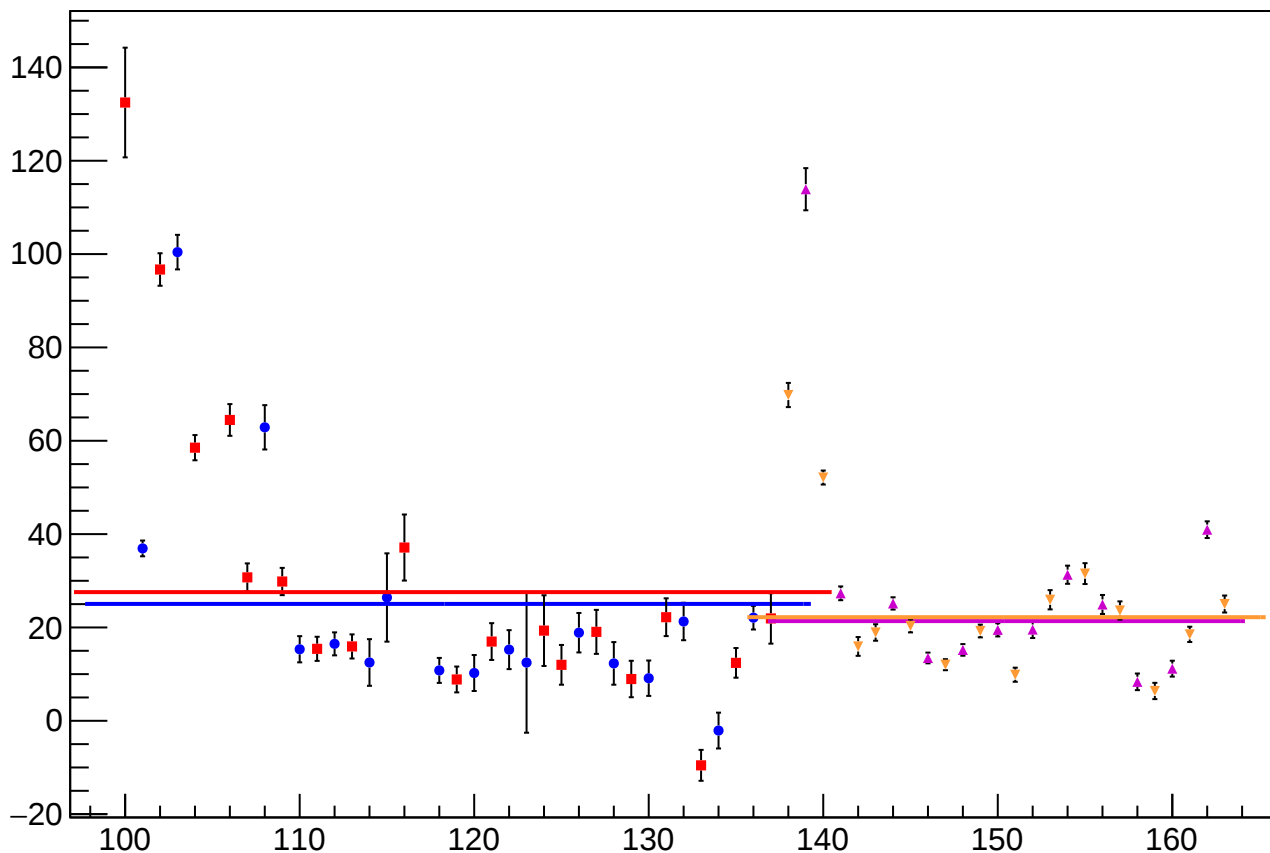
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -51.543 $\pm$ 0.661 χ^2/NDF :1457.1/11

Out: -58.179 $\pm$ 0.640 χ^2/NDF :2023.2/13

All: -54.967 $\pm$ 0.460 χ^2/NDF : 3532.2/25

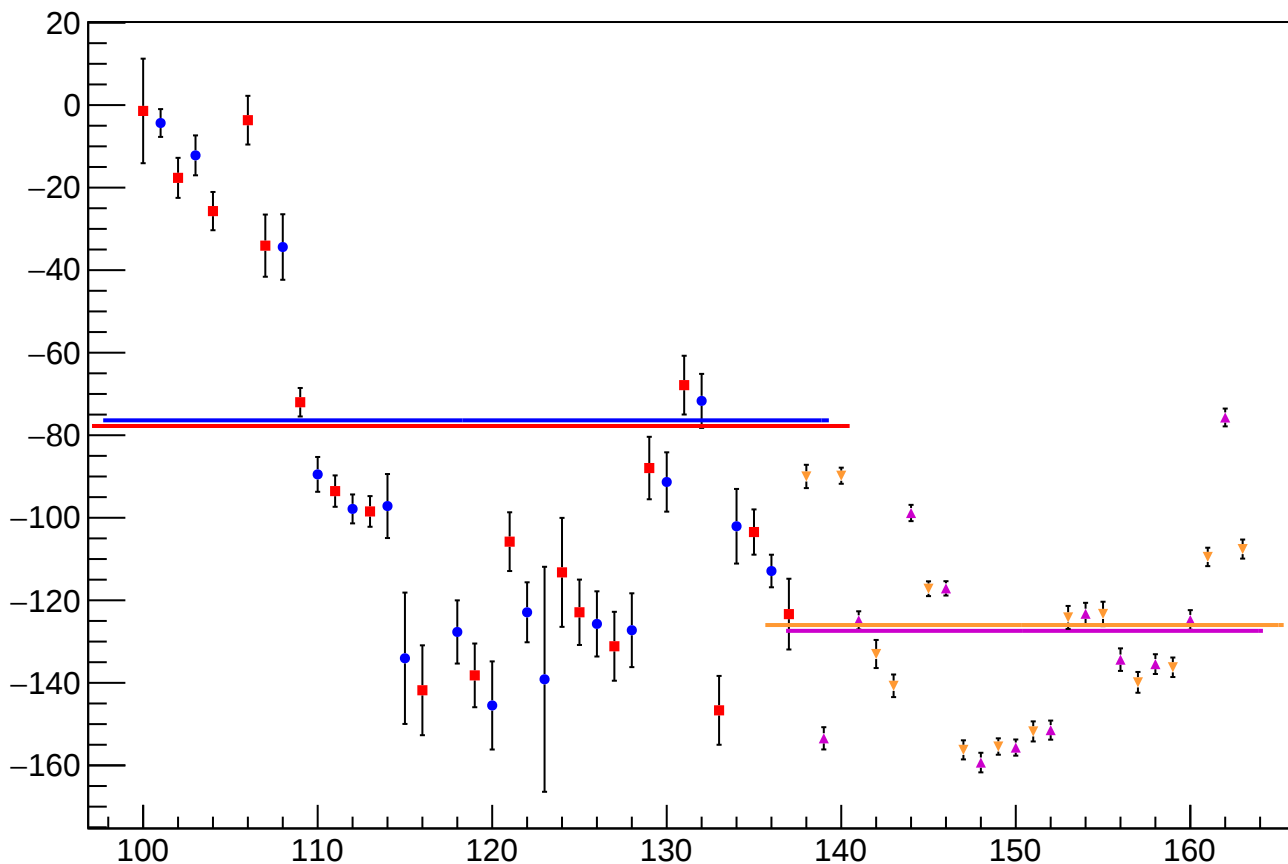
reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 25.045 ± 0.806 χ^2/NDF : 686.4/16
 Left Out: 22.202 ± 0.444 χ^2/NDF : 1006.3/13
 Right Out: 27.573 ± 0.810 χ^2/NDF : 1012.8/18
 Left In: 21.361 ± 0.458 χ^2/NDF : 757.1/11

Left: 21.794 ± 0.319 χ^2/NDF : 1765.1/25
 Right: 26.303 ± 0.571 χ^2/NDF : 1704.1/35
 In: 22.260 ± 0.398 χ^2/NDF : 1459.3/28
 Out: 23.445 ± 0.390 χ^2/NDF : 2052.9/32
 All: 22.866 ± 0.279 χ^2/NDF : 3516.7/61

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.392 ± 1.416 $\chi^2/\text{NDF}: 1031.9/16$

Left Out: -125.989 ± 0.633 $\chi^2/\text{NDF}: 1234.9/13$

Right Out: -77.761 ± 1.353 $\chi^2/\text{NDF}: 872.7/18$

Left In: -127.401 ± 0.646 $\chi^2/\text{NDF}: 1433.2/11$

Left: -126.681 ± 0.452 $\chi^2/\text{NDF}: 2670.5/25$

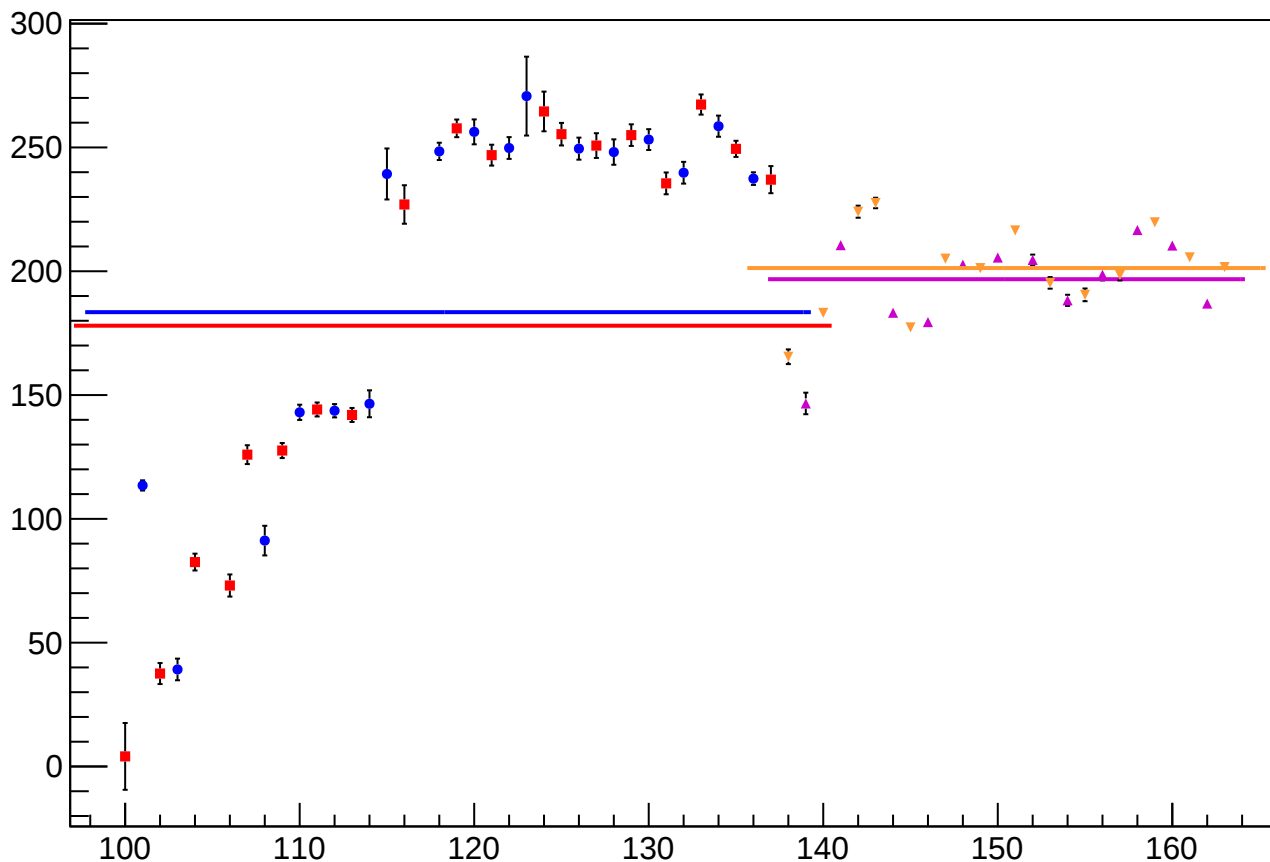
Right: -77.108 ± 0.978 $\chi^2/\text{NDF}: 1905.1/35$

In: -118.621 ± 0.588 $\chi^2/\text{NDF}: 3539.1/28$

Out: -117.329 ± 0.573 $\chi^2/\text{NDF}: 3150.2/32$

All: -117.959 ± 0.410 $\chi^2/\text{NDF}: 6691.8/61$

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 183.478 $\pm$ 0.919 χ^2 /NDF: 5331.4/16

Left Out: 201.291 $\pm$ 0.524 χ^2 /NDF: 908.9/13

Right Out: 178.011 $\pm$ 0.924 χ^2 /NDF: 6345.7/18

Left In: 196.787 $\pm$ 0.539 χ^2 /NDF: 676.8/11

Left: 199.103 $\pm$ 0.376 χ^2 /NDF: 1621.5/25

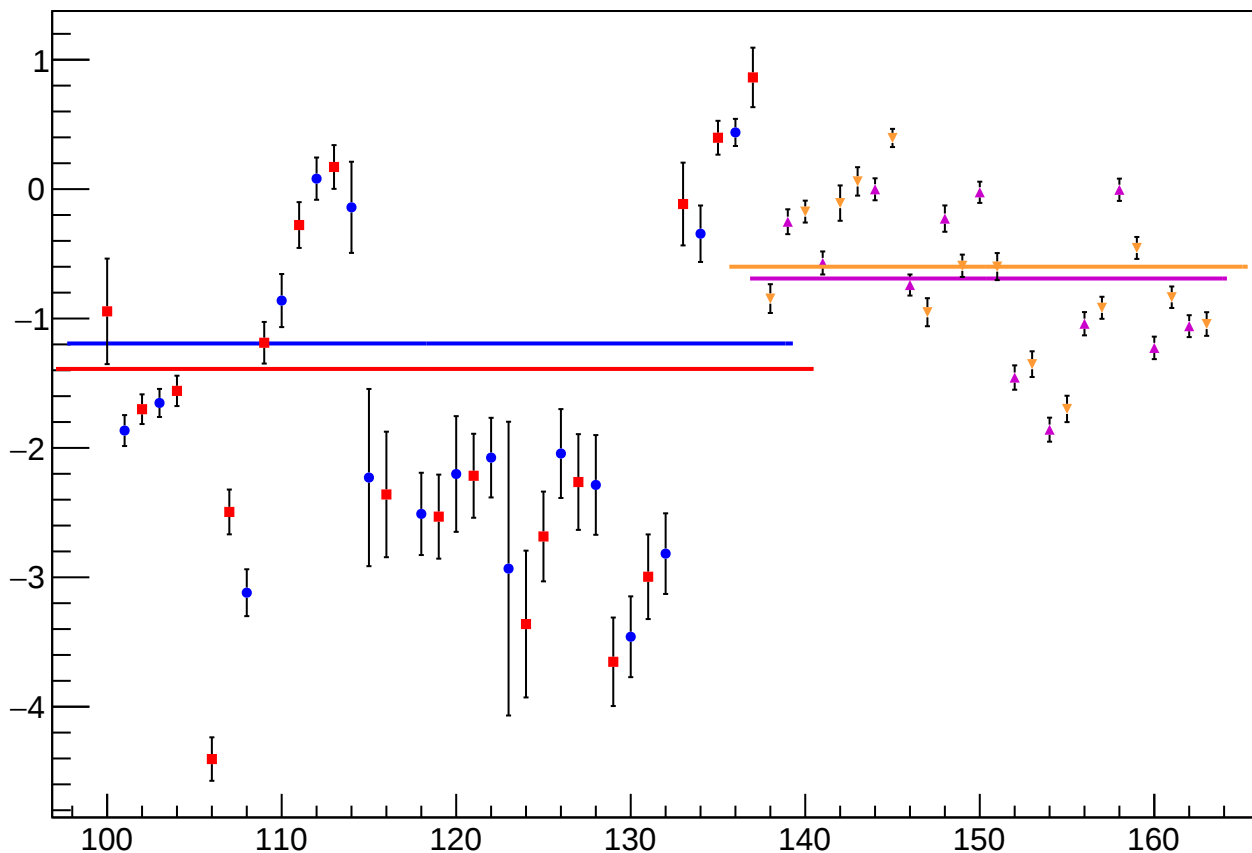
Right: 180.761 $\pm$ 0.651 χ^2 /NDF: 11694.8/35

In: 193.378 $\pm$ 0.465 χ^2 /NDF: 6164.3/28

Out: 195.625 $\pm$ 0.456 χ^2 /NDF: 7734.9/32

All: 194.524 $\pm$ 0.325 χ^2 /NDF: 13911.1/61

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.600 ± 0.025 χ^2/NDF : 511.8/13

Right Out: -1.390 ± 0.046 χ^2/NDF : 920.6/18

Left In: -0.691 ± 0.026 χ^2/NDF : 535.6/11

Left: -0.644 ± 0.018 χ^2/NDF : 1053.9/25

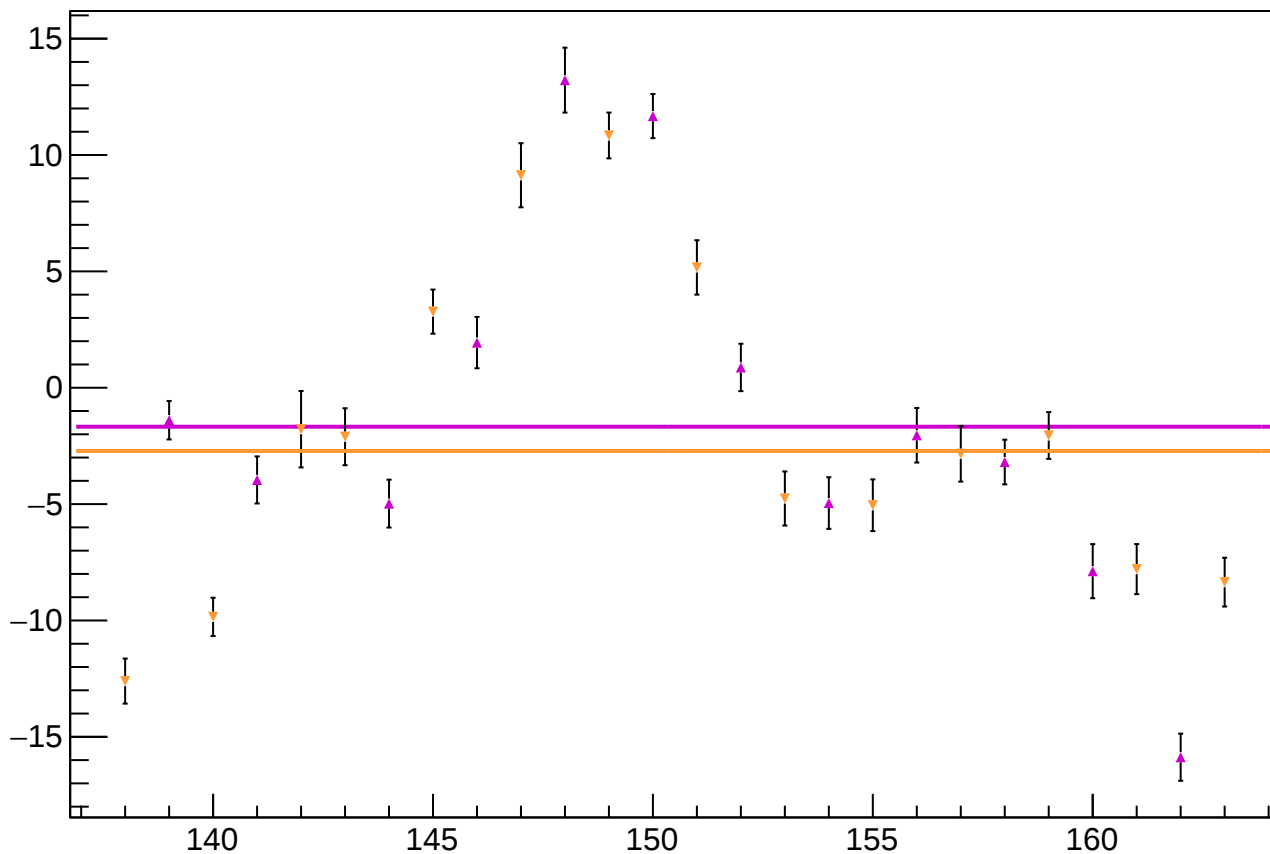
Right: -1.296 ± 0.033 χ^2/NDF : 1551.0/35

In: -0.801 ± 0.023 χ^2/NDF : 1242.0/28

Out: -0.780 ± 0.022 χ^2/NDF : 1661.5/32

All: -0.790 ± 0.016 χ^2/NDF : 2904.0/61

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.717+/-0.289 χ^2/NDF : 588.2/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.675+/-0.300 χ^2/NDF : 581.5/11

Left: -2.215+/-0.208 χ^2/NDF : 1176.0/25

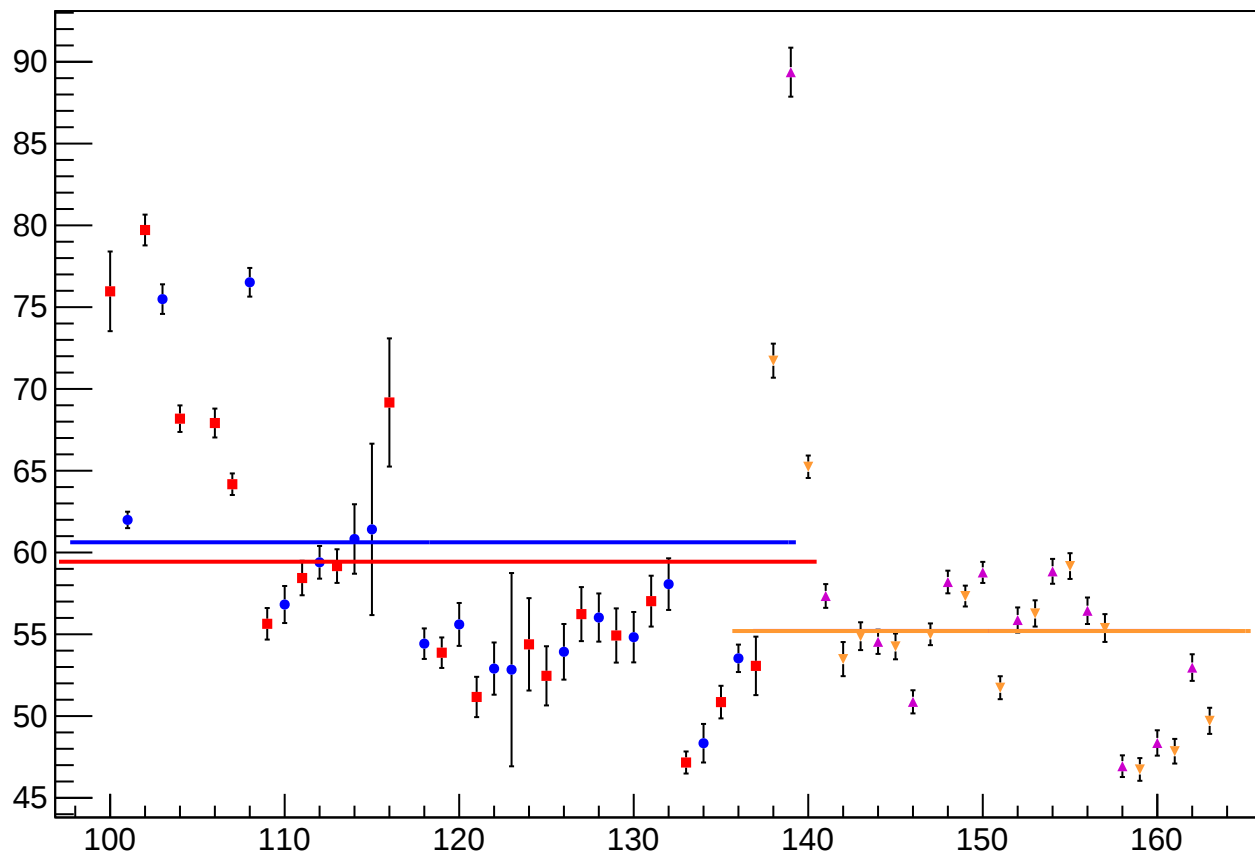
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1.675+/-0.300 χ^2/NDF : 581.5/11

Out: -2.717+/-0.289 χ^2/NDF : 588.2/13

All: -2.215+/-0.208 χ^2/NDF : 1176.0/25

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 60.625 $\pm$ 0.263 χ^2 /NDF: 924.6/16

Left Out: 55.199 $\pm$ 0.206 χ^2 /NDF:824.5/13

Right Out: 59.438 $\pm$ 0.248 χ^2 /NDF: 1323.4/18

Left In: 55.205 $\pm$ 0.218 χ^2 /NDF:883.6/11

Left: 55.202 $\pm$ 0.150 χ^2 /NDF: 1708.1/25

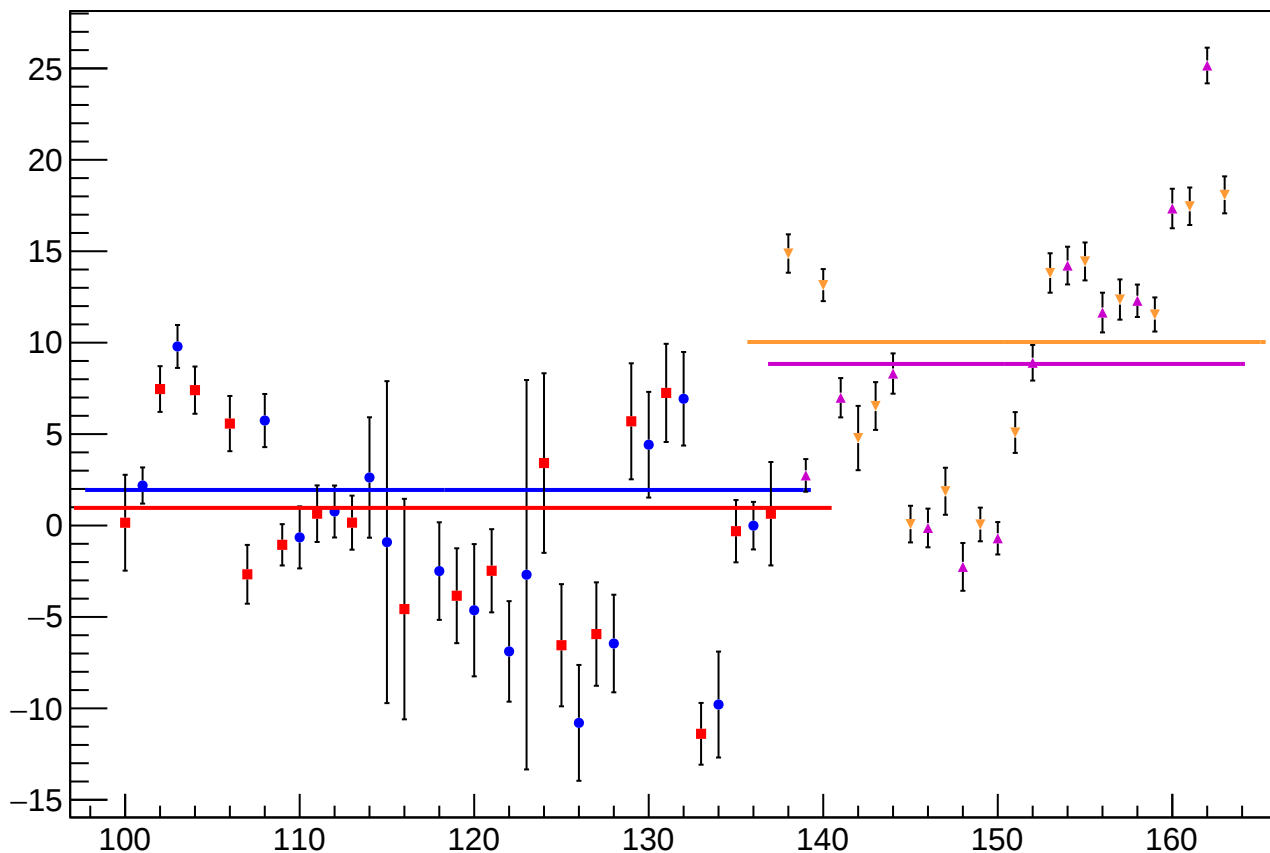
Right: 59.996 $\pm$ 0.180 χ^2 /NDF: 2258.7/35

In: 57.411 $\pm$ 0.168 χ^2 /NDF:2059.9/28

Out: 56.927 $\pm$ 0.158 χ^2 /NDF:2321.2/32

All: 57.155 $\pm$ 0.115 χ^2 /NDF: 4385.5/61

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.945 ± 0.459 $\chi^2/\text{NDF}: 120.6/16$

Left Out: 10.036 ± 0.284 $\chi^2/\text{NDF}: 479.3/13$

Right Out: 0.964 ± 0.424 $\chi^2/\text{NDF}: 149.5/18$

Left In: 8.837 ± 0.292 $\chi^2/\text{NDF}: 700.5/11$

Left: 9.453 ± 0.204 $\chi^2/\text{NDF}: 1188.4/25$

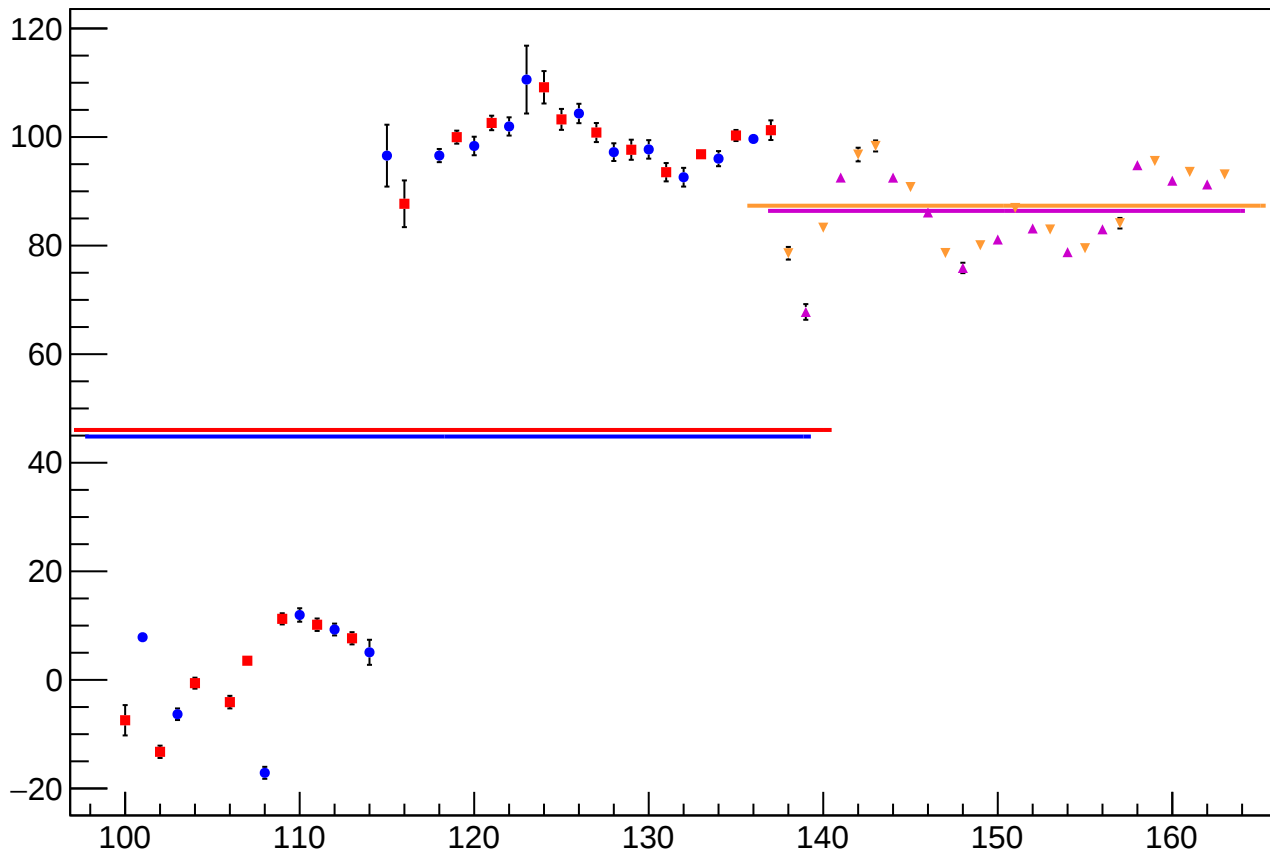
Right: 1.416 ± 0.312 $\chi^2/\text{NDF}: 272.6/35$

In: 6.848 ± 0.246 $\chi^2/\text{NDF}: 981.6/28$

Out: 7.229 ± 0.236 $\chi^2/\text{NDF}: 944.4/32$

All: 7.047 ± 0.170 $\chi^2/\text{NDF}: 1927.2/61$

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 44.829 $\pm$ 0.305 χ^2 /NDF: 24763.1/16

Left Out: 87.351 $\pm$ 0.239 χ^2 /NDF: 794.8/13

Right Out: 46.040 $\pm$ 0.289 χ^2 /NDF: 28263.4/18

Left In: 86.395 $\pm$ 0.251 χ^2 /NDF: 760.0/11

Left: 86.897 $\pm$ 0.173 χ^2 /NDF: 1562.4/25

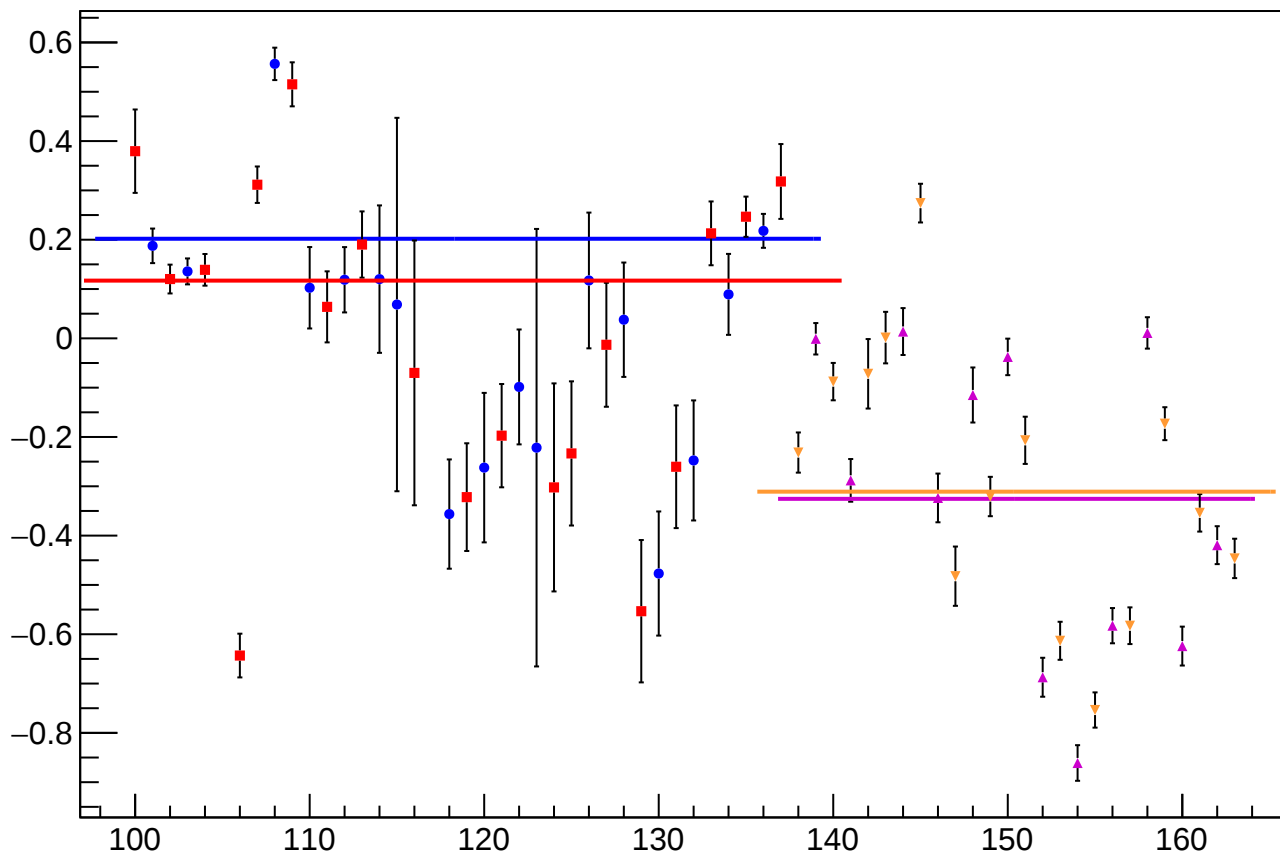
Right: 45.465 $\pm$ 0.210 χ^2 /NDF: 53034.8/35

In: 69.592 $\pm$ 0.194 χ^2 /NDF: 36612.7/28

Out: 70.620 $\pm$ 0.184 χ^2 /NDF: 41176.6/32

All: 70.132 $\pm$ 0.133 χ^2 /NDF: 77804.1/61

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.202 ± 0.014 χ^2/NDF : 216.0/16

Left Out: -0.311 ± 0.011 χ^2/NDF : 619.1/13

Right Out: 0.117 ± 0.013 χ^2/NDF : 499.6/18

Left In: -0.325 ± 0.011 χ^2/NDF : 760.6/11

Left: -0.318 ± 0.008 χ^2/NDF : 1380.6/25

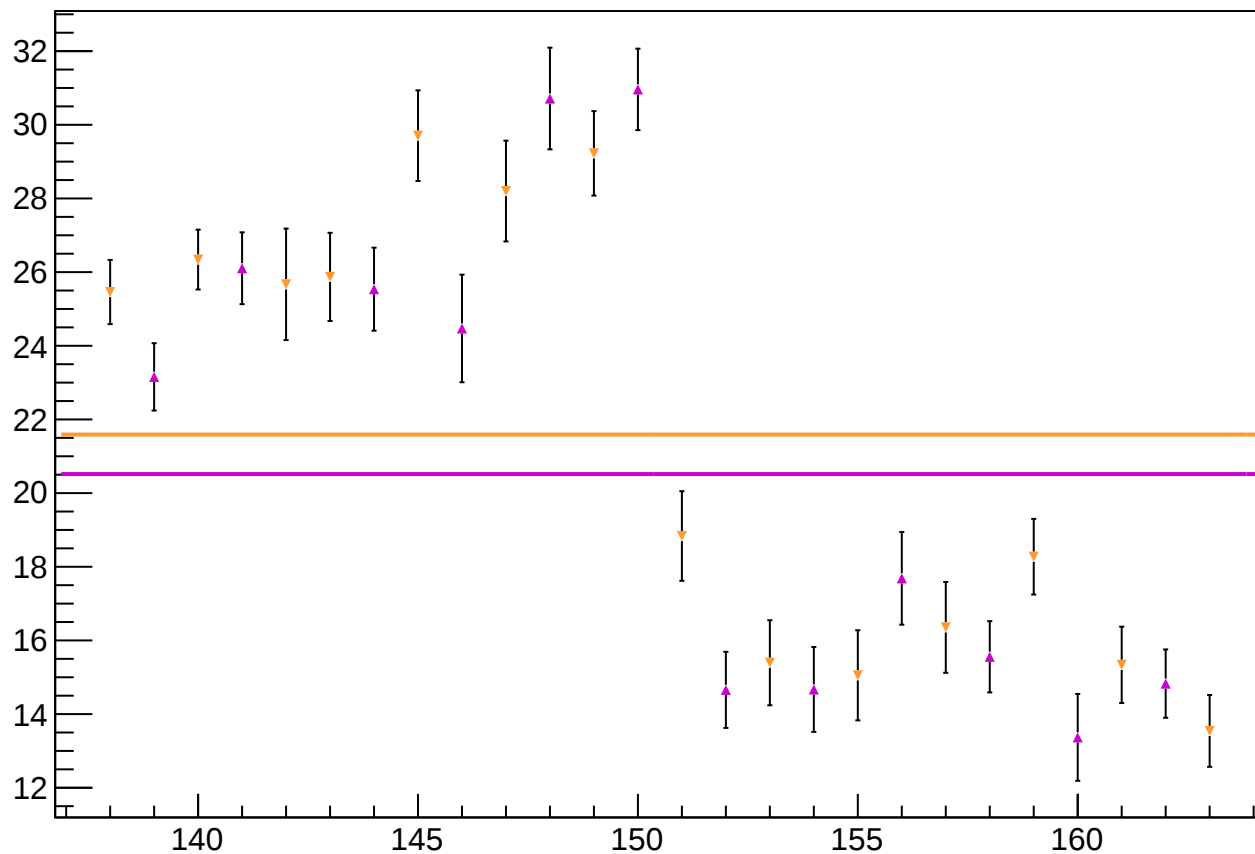
Right: 0.156 ± 0.010 χ^2/NDF : 735.2/35

In: -0.120 ± 0.009 χ^2/NDF : 1835.8/28

Out: -0.133 ± 0.008 χ^2/NDF : 1748.1/32

All: -0.126 ± 0.006 χ^2/NDF : 3585.0/61

reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 21.591+/-0.294 χ^2/NDF :380.7/13

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

Left In: 20.517+/-0.314 χ^2/NDF :375.7/11

Left: 21.091+/-0.215 χ^2/NDF : 762.6/25

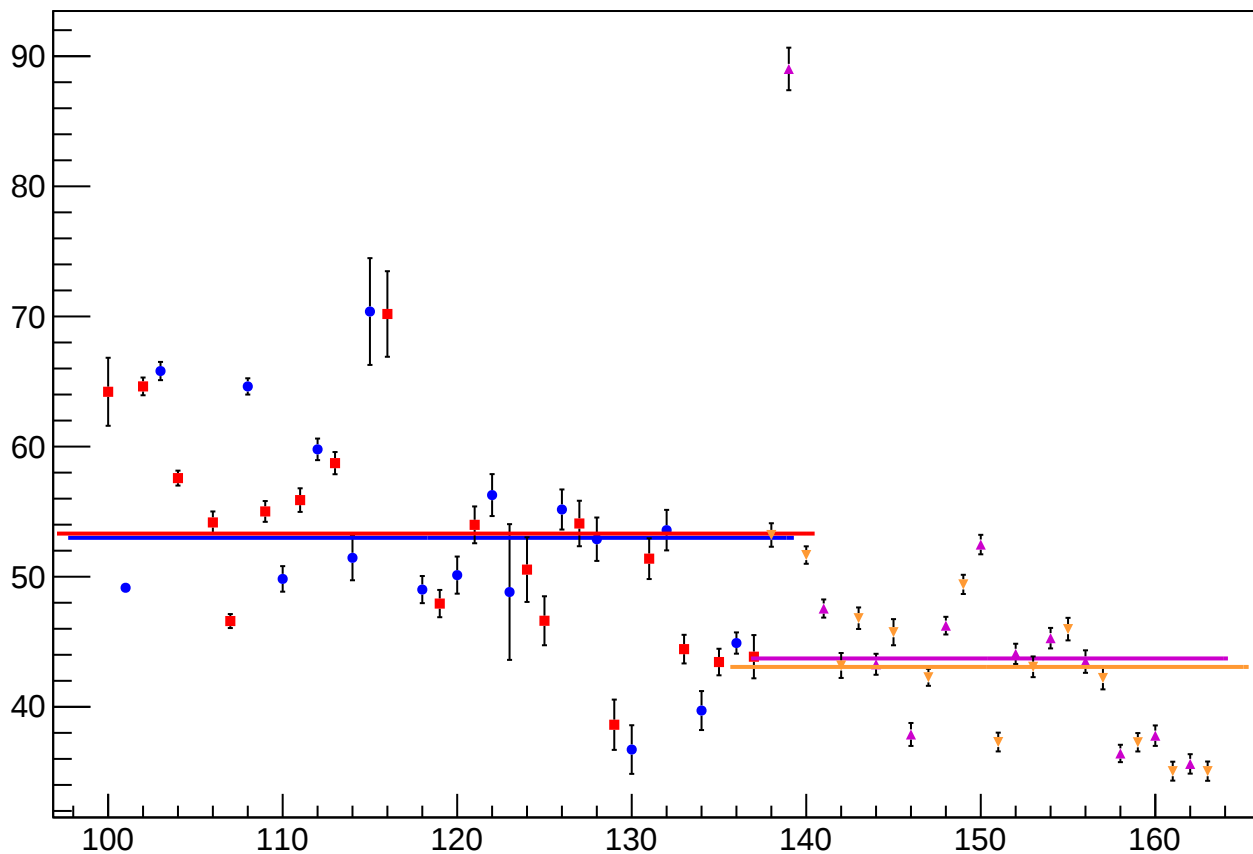
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 20.517+/-0.314 χ^2/NDF :375.7/11

Out: 21.591+/-0.294 χ^2/NDF :380.7/13

All: 21.091+/-0.215 χ^2/NDF : 762.6/25

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 52.989 $\pm$ 0.211 χ^2 /NDF: 1198.0/16

Left Out: 43.067 $\pm$ 0.208 χ^2 /NDF: 774.7/13

Right Out: 53.315 $\pm$ 0.227 χ^2 /NDF: 875.6/18

Left In: 43.718 $\pm$ 0.227 χ^2 /NDF: 1291.6/11

Left: 43.366 $\pm$ 0.153 χ^2 /NDF: 2070.8/25

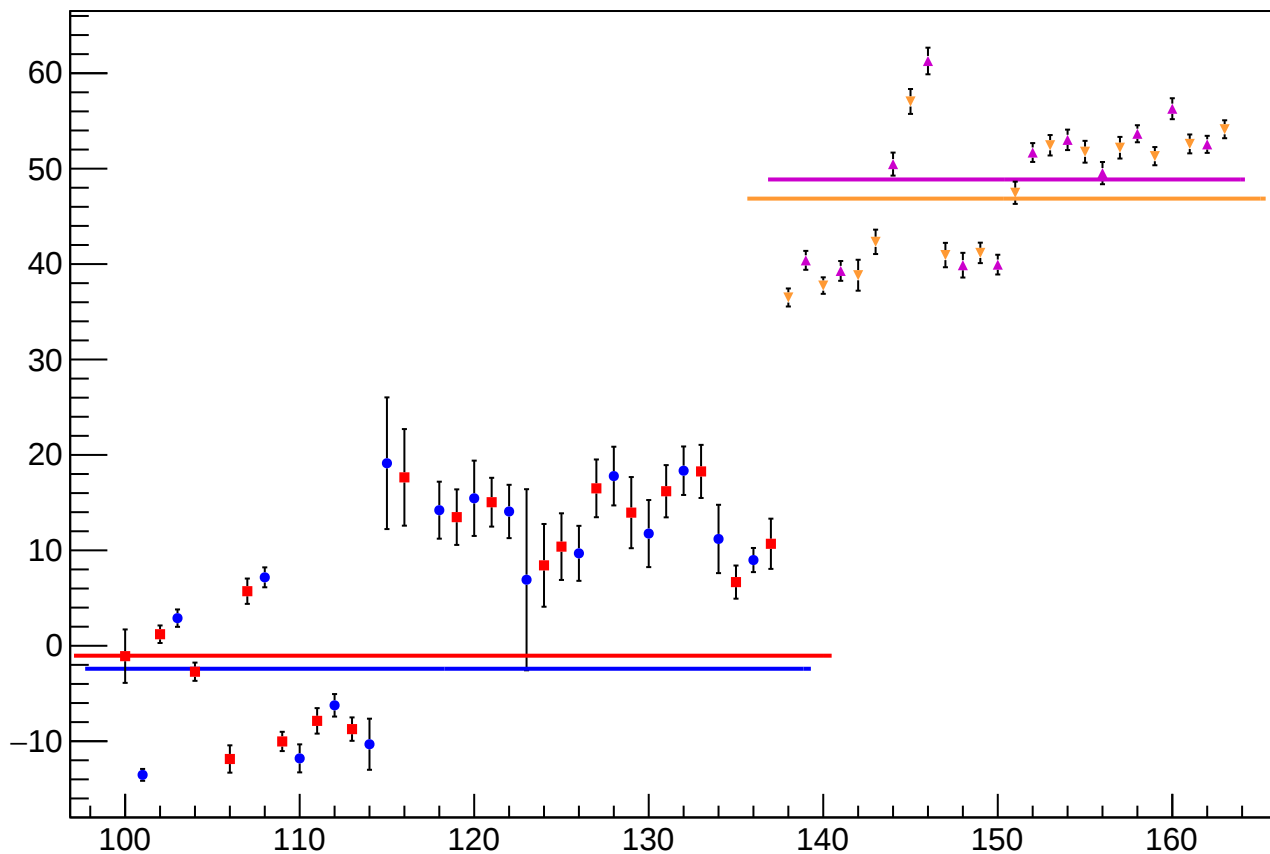
Right: 53.140 $\pm$ 0.154 χ^2 /NDF: 2074.7/35

In: 48.687 $\pm$ 0.154 χ^2 /NDF: 3386.4/28

Out: 47.762 $\pm$ 0.153 χ^2 /NDF: 2757.2/32

All: 48.222 $\pm$ 0.109 χ^2 /NDF: 6161.7/61

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.409 ± 0.364 χ^2/NDF : 834.6/16

Left Out: 46.860 ± 0.290 χ^2/NDF : 562.1/13

Right Out: -1.040 ± 0.377 χ^2/NDF : 507.5/18

Left In: 48.866 ± 0.306 χ^2/NDF : 477.1/11

Left: 47.806 ± 0.210 χ^2/NDF : 1061.8/25

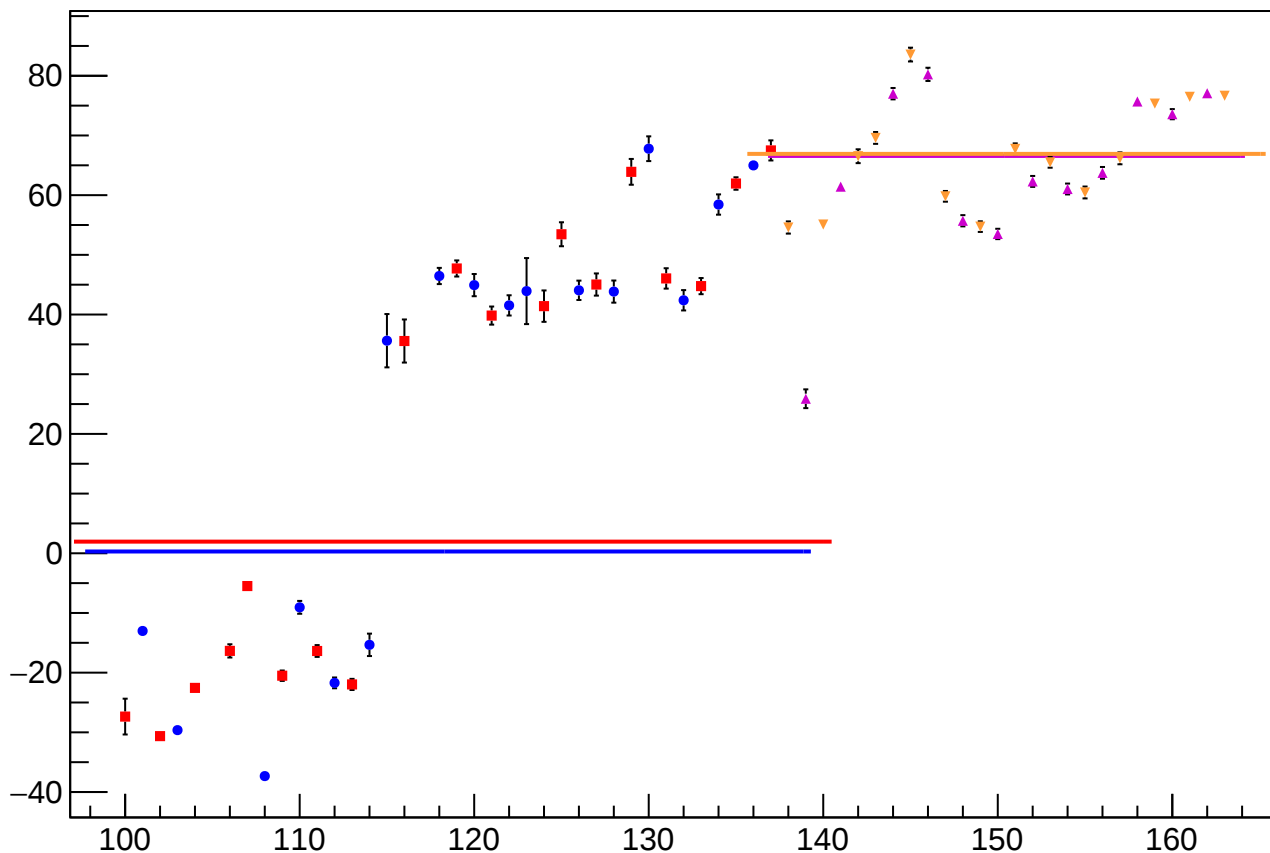
Right: -1.748 ± 0.262 χ^2/NDF : 1349.0/35

In: 27.622 ± 0.235 χ^2/NDF : 12913.1/28

Out: 29.091 ± 0.230 χ^2/NDF : 11221.2/32

All: 28.372 ± 0.164 χ^2/NDF : 24154.3/61

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.300 ± 0.247 χ^2/NDF : 18259.2/16

Left Out: 66.916 ± 0.242 χ^2/NDF : 1307.2/13

Right Out: 1.952 ± 0.267 χ^2/NDF : 15450.6/18

Left In: 66.572 ± 0.261 χ^2/NDF : 1823.6/11

Left: 66.757 ± 0.178 χ^2/NDF : 3131.7/25

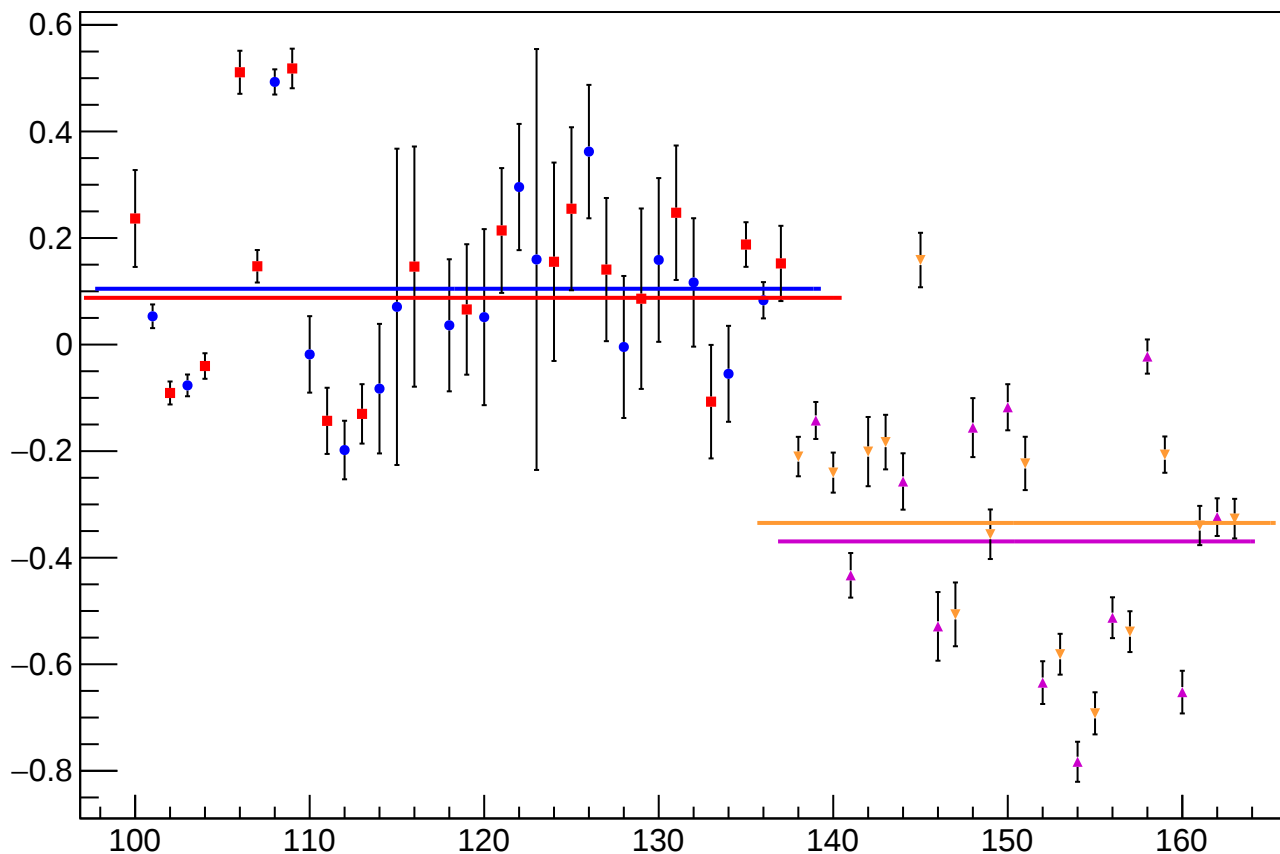
Right: 1.065 ± 0.181 χ^2/NDF : 33730.4/35

In: 31.669 ± 0.180 χ^2/NDF : 54043.1/28

Out: 37.512 ± 0.179 χ^2/NDF : 49252.8/32

All: 34.594 ± 0.127 χ^2/NDF : 103826.0/61

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 ± 0.011 $\chi^2/\text{NDF}: 400.8/16$

Left Out: -0.335 ± 0.011 $\chi^2/\text{NDF}: 303.0/13$

Right Out: 0.088 ± 0.011 $\chi^2/\text{NDF}: 390.9/18$

Left In: -0.369 ± 0.012 $\chi^2/\text{NDF}: 451.5/11$

Left: -0.351 ± 0.008 $\chi^2/\text{NDF}: 759.1/25$

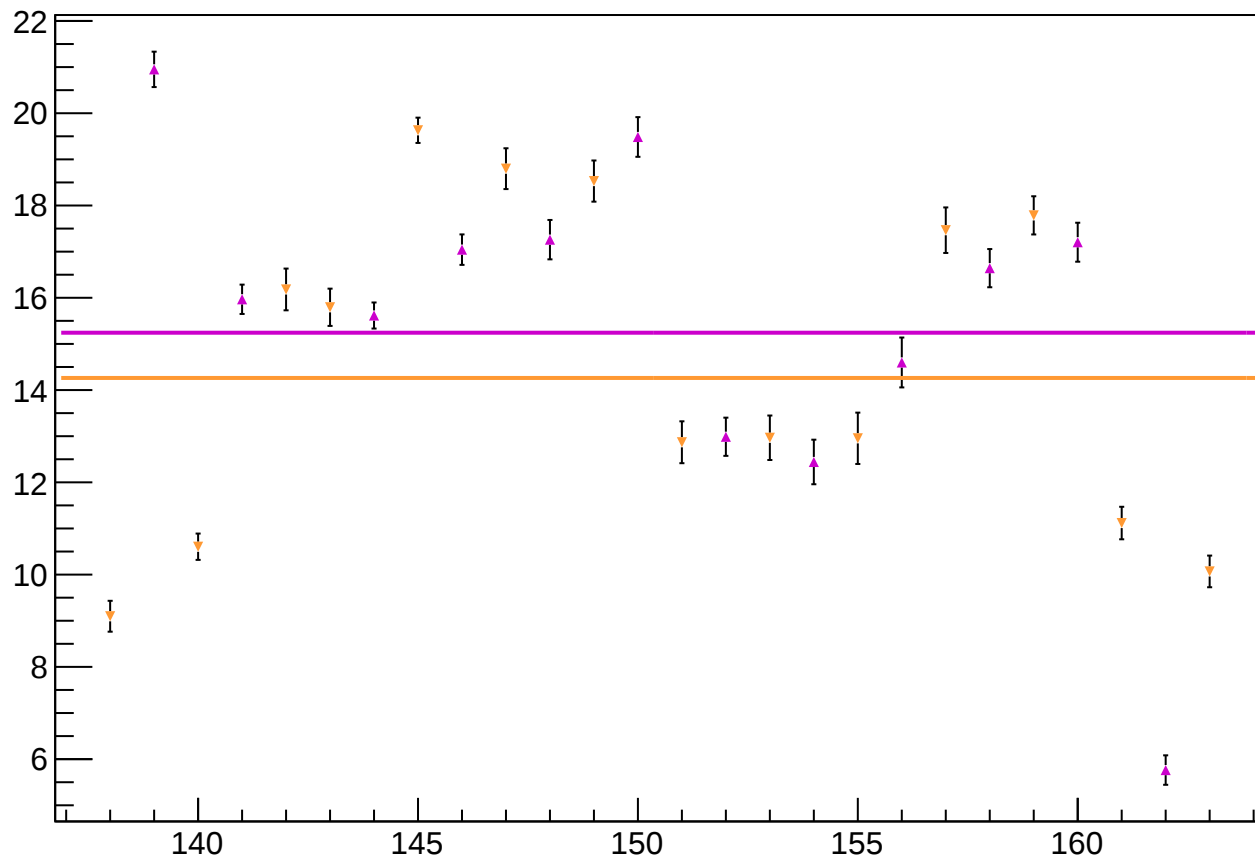
Right: 0.096 ± 0.008 $\chi^2/\text{NDF}: 792.8/35$

In: -0.118 ± 0.008 $\chi^2/\text{NDF}: 1718.7/28$

Out: -0.119 ± 0.008 $\chi^2/\text{NDF}: 1414.3/32$

All: -0.118 ± 0.006 $\chi^2/\text{NDF}: 3133.0/61$

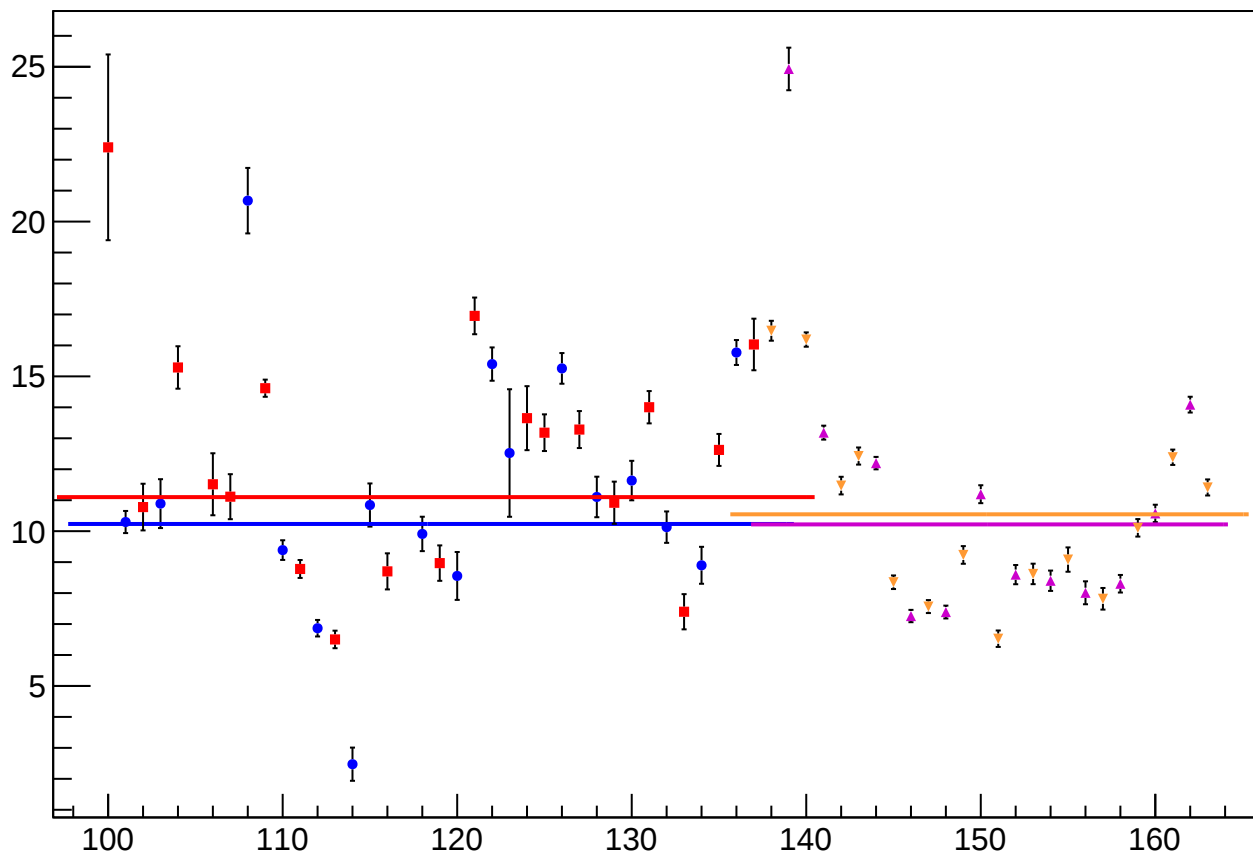
reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 14.262+/-0.103 χ^2/NDF :1381.0/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 15.243+/-0.109 χ^2/NDF :1356.3/11

Left: 14.724+/-0.075 χ^2/NDF : 2780.1/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 15.243+/-0.109 χ^2/NDF :1356.3/11
 Out: 14.262+/-0.103 χ^2/NDF :1381.0/13
 All: 14.724+/-0.075 χ^2/NDF : 2780.1/25

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.232 $\pm$ 0.119 χ^2 /NDF: 876.7/16

Left Out: 10.544 $\pm$ 0.072 χ^2 /NDF:1722.0/13

Right Out: 11.100 $\pm$ 0.116 χ^2 /NDF: 817.8/18

Left In: 10.218 $\pm$ 0.076 χ^2 /NDF:1517.2/11

Left: 10.389 $\pm$ 0.052 χ^2 /NDF: 3248.9/25

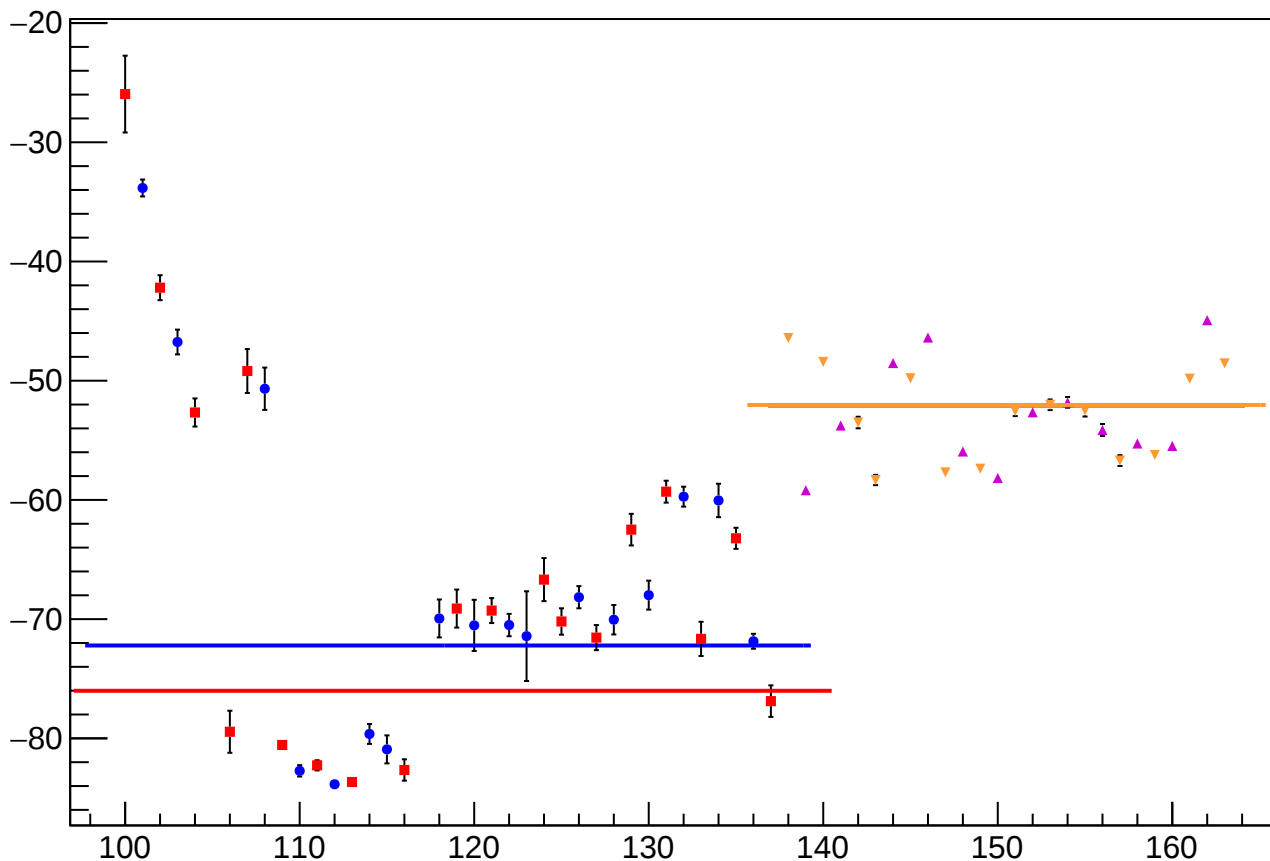
Right: 10.677 $\pm$ 0.083 χ^2 /NDF: 1721.6/35

In: 10.222 $\pm$ 0.064 χ^2 /NDF:2394.0/28

Out: 10.699 $\pm$ 0.061 χ^2 /NDF:2556.2/32

All: 10.470 $\pm$ 0.044 χ^2 /NDF: 4979.1/61

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.211+/-0.198 χ^2/NDF : 5566.2/16

Left Out: -52.036+/-0.103 χ^2/NDF :1394.8/13

Right Out: -76.009+/-0.181 χ^2/NDF : 3463.3/18

Left In: -52.084+/-0.107 χ^2/NDF :1805.8/11

Left: -52.059+/-0.074 χ^2/NDF : 3200.6/25

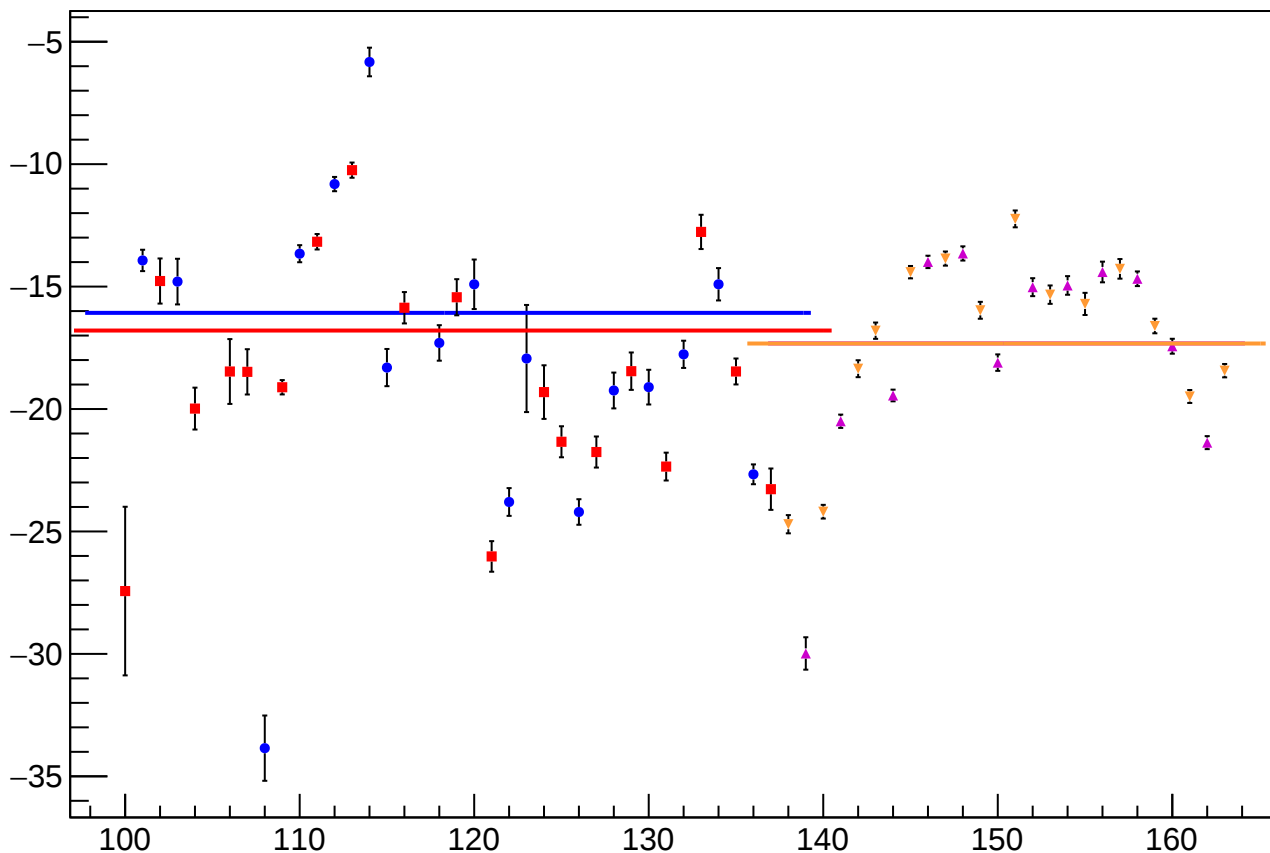
Right: -74.280+/-0.134 χ^2/NDF : 9230.0/35

In: -56.644+/-0.094 χ^2/NDF :15364.8/28

Out: -57.869+/-0.089 χ^2/NDF :18134.4/32

All: -57.290+/-0.065 χ^2/NDF : 33588.3/61

reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.073 ± 0.133 χ^2/NDF : 1640.5/16

Left Out: -17.325 ± 0.085 χ^2/NDF : 1704.3/13

Right Out: -16.795 ± 0.128 χ^2/NDF : 1216.0/18

Left In: -17.321 ± 0.089 χ^2/NDF : 1357.0/11

Left: -17.323 ± 0.061 χ^2/NDF : 3061.3/25

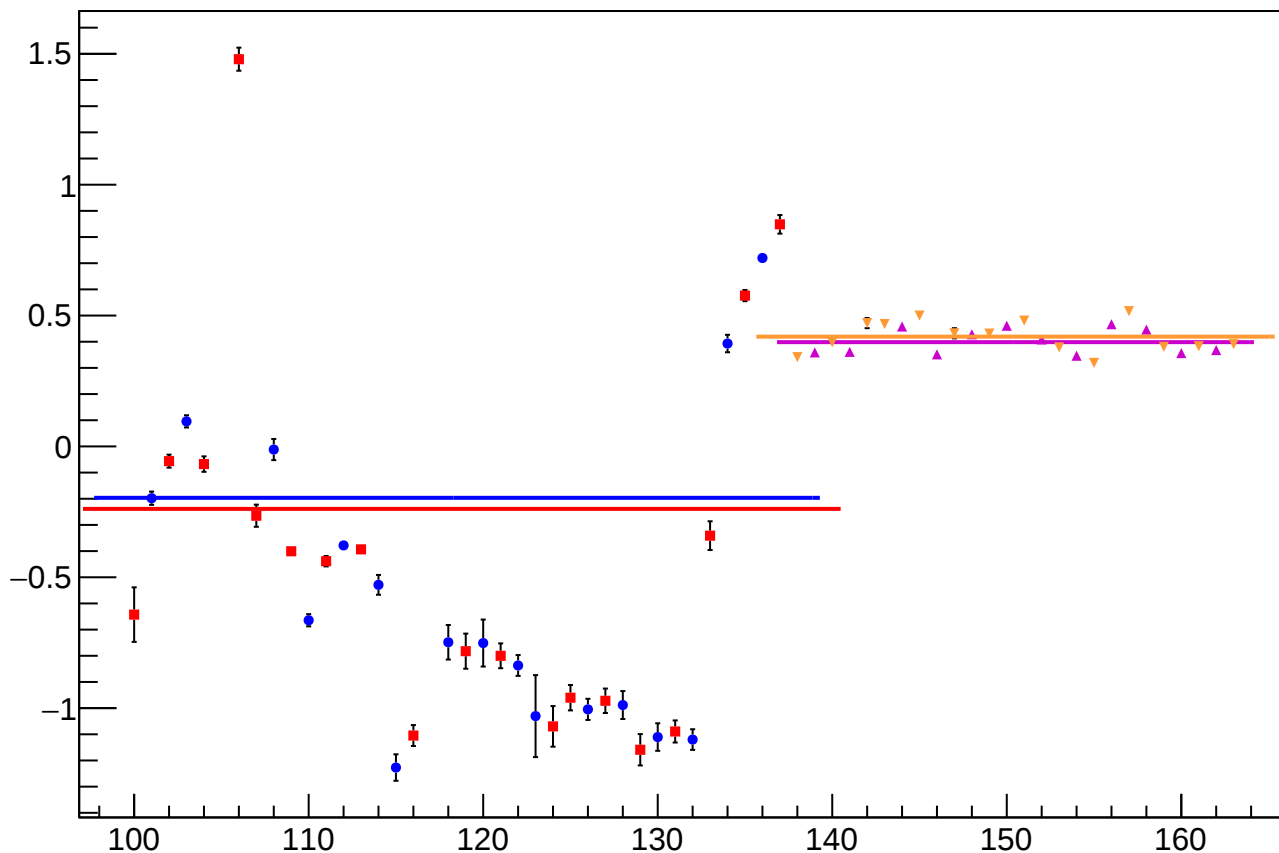
Right: -16.446 ± 0.092 χ^2/NDF : 2871.9/35

In: -16.932 ± 0.074 χ^2/NDF : 3058.6/28

Out: -17.163 ± 0.071 χ^2/NDF : 2932.2/32

All: -17.053 ± 0.051 χ^2/NDF : 5995.9/61

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.419 ± 0.004 χ^2/NDF : 207.1/13

Right Out: -0.239 ± 0.007 χ^2/NDF : 6188.6/18

Left In: 0.398 ± 0.004 χ^2/NDF : 117.7/11

Left: 0.409 ± 0.003 χ^2/NDF : 337.7/25

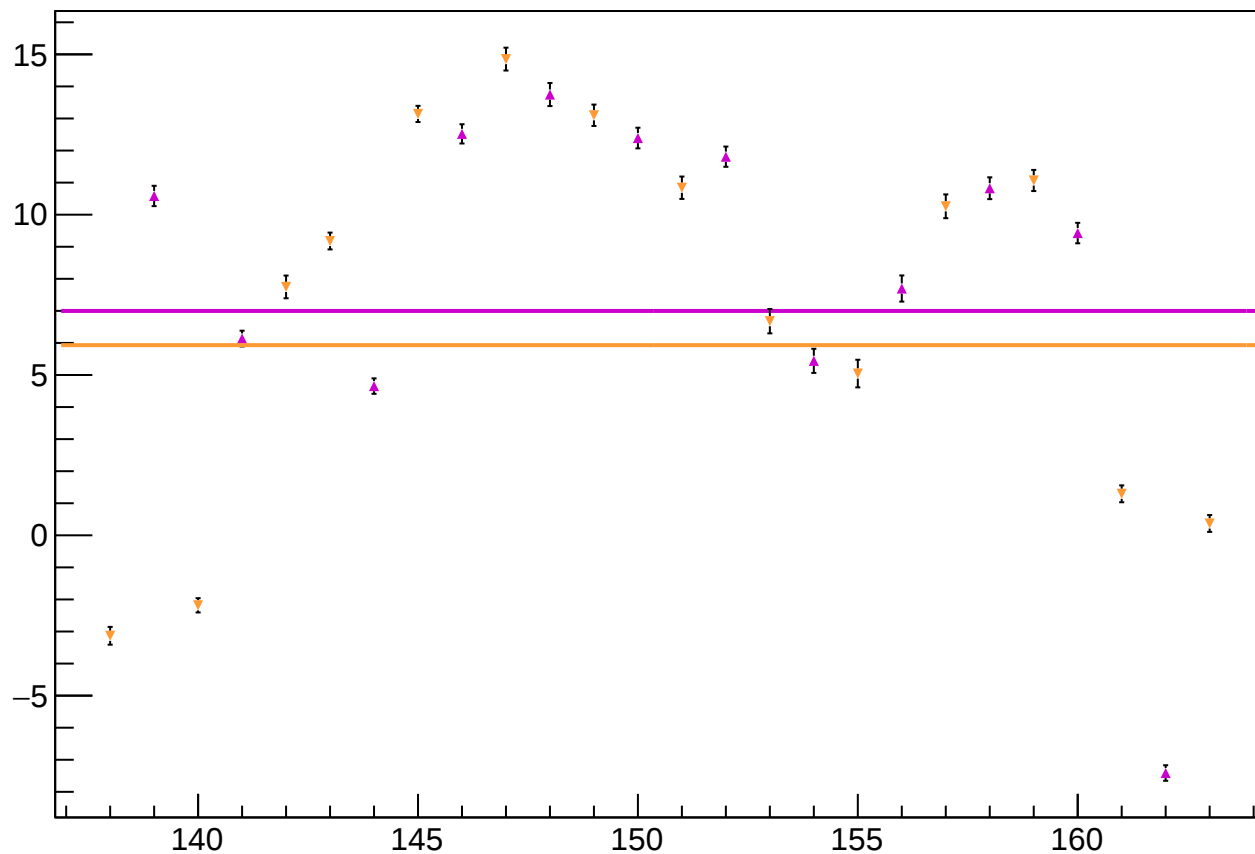
Right: -0.219 ± 0.005 χ^2/NDF : 12528.7/35

In: 0.256 ± 0.004 χ^2/NDF : 11169.9/28

Out: 0.261 ± 0.004 χ^2/NDF : 12777.4/32

All: 0.259 ± 0.003 χ^2/NDF : 23948.2/61

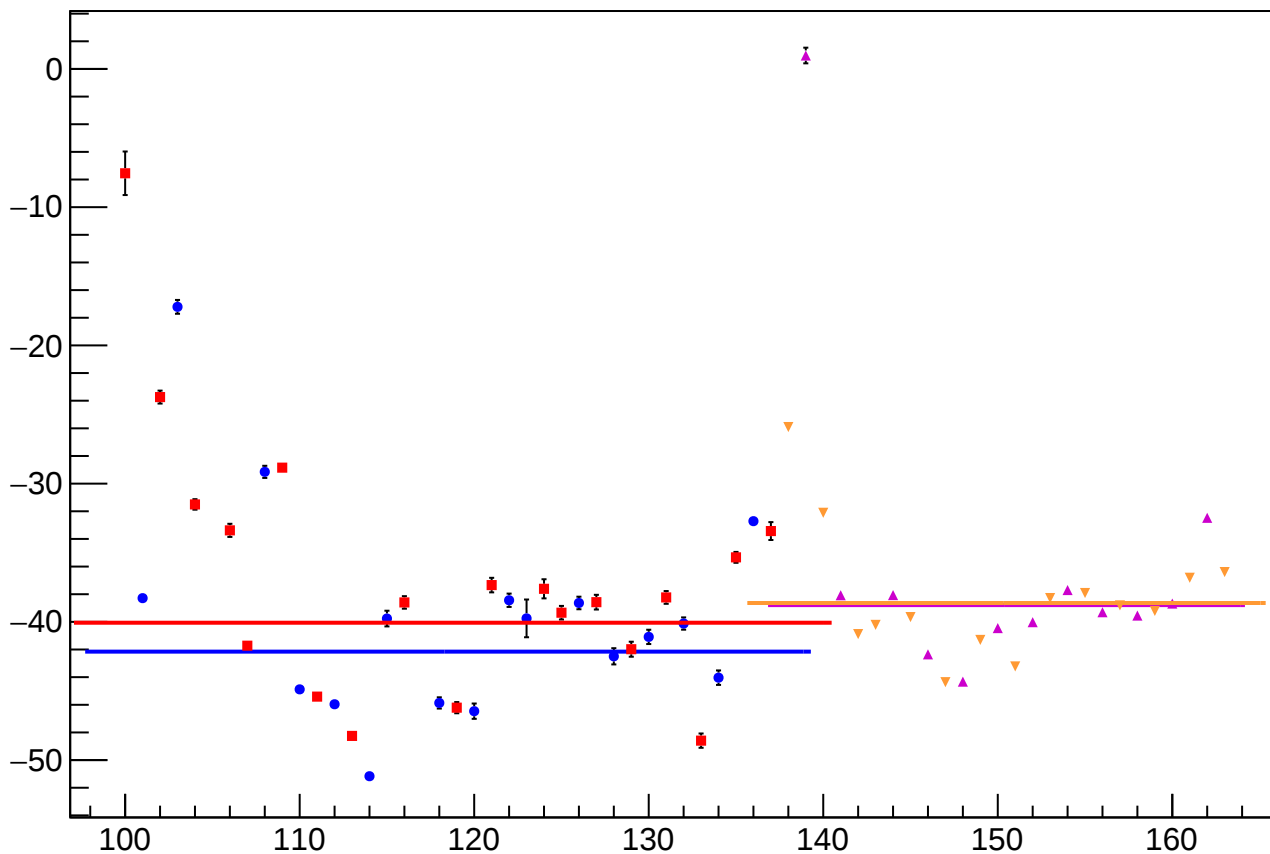
reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.931+/-0.081 χ^2/NDF : 5823.4/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 6.998+/-0.087 χ^2/NDF : 5179.3/11

Left: 6.421+/-0.059 χ^2/NDF : 11083.1/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 6.998+/-0.087 χ^2/NDF : 5179.3/11
 Out: 5.931+/-0.081 χ^2/NDF : 5823.4/13
 All: 6.421+/-0.059 χ^2/NDF : 11083.1/25

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.153 ± 0.078 χ^2/NDF : 6557.8/16

Left Out: -38.635 ± 0.057 χ^2/NDF : 5767.6/13

Right Out: -40.062 ± 0.073 χ^2/NDF : 11322.2/18

Left In: -38.788 ± 0.061 χ^2/NDF : 7492.7/11

Left: -38.705 ± 0.042 χ^2/NDF : 13263.6/25

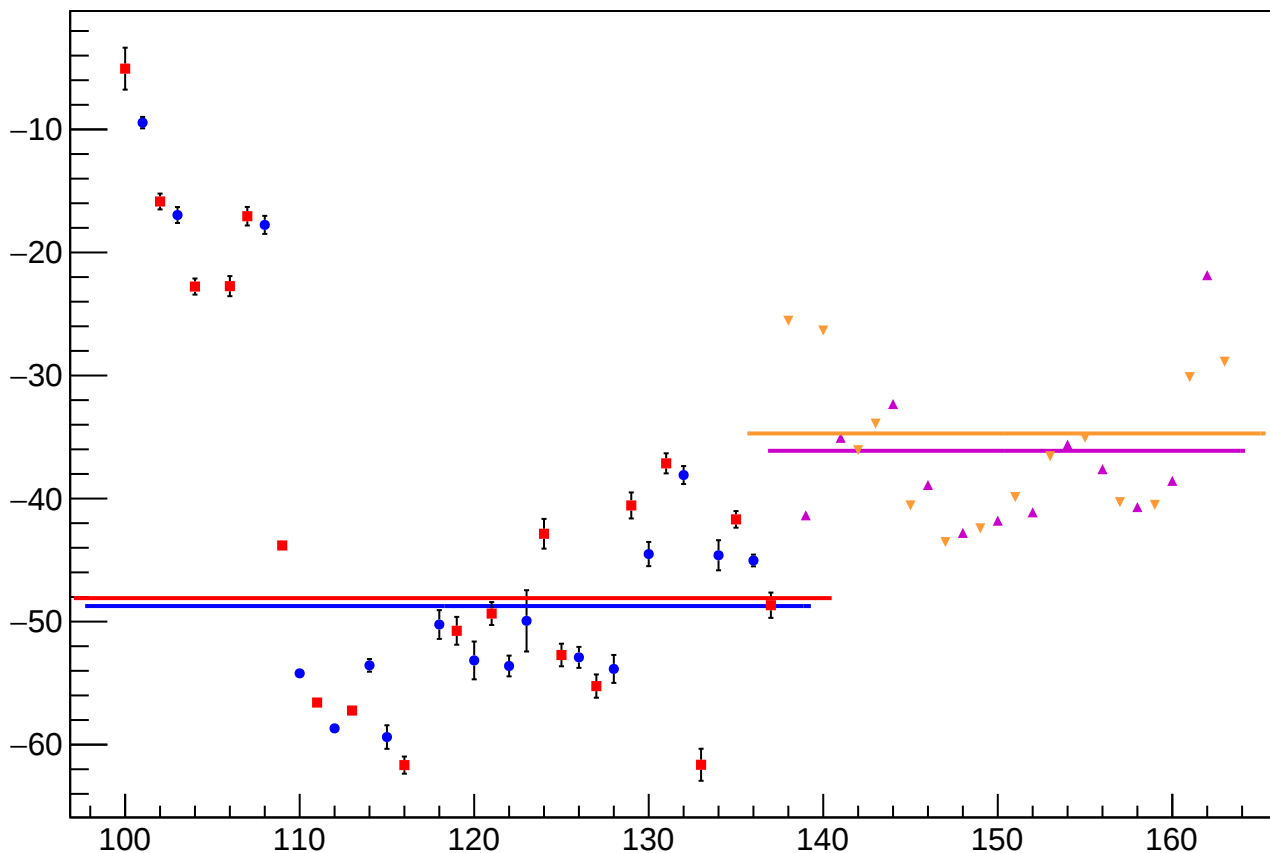
Right: -41.035 ± 0.053 χ^2/NDF : 18264.1/35

In: -40.075 ± 0.048 χ^2/NDF : 15199.4/28

Out: -39.172 ± 0.045 χ^2/NDF : 17329.7/32

All: -39.588 ± 0.033 χ^2/NDF : 32717.9/61

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.737 ± 0.125 $\chi^2/\text{NDF}: 14658.1/16$

Left Out: -34.709 ± 0.080 $\chi^2/\text{NDF}: 5738.6/13$

Right Out: -48.092 ± 0.107 $\chi^2/\text{NDF}: 11733.2/18$

Left In: -36.119 ± 0.086 $\chi^2/\text{NDF}: 5617.8/11$

Left: -35.367 ± 0.059 $\chi^2/\text{NDF}: 11500.6/25$

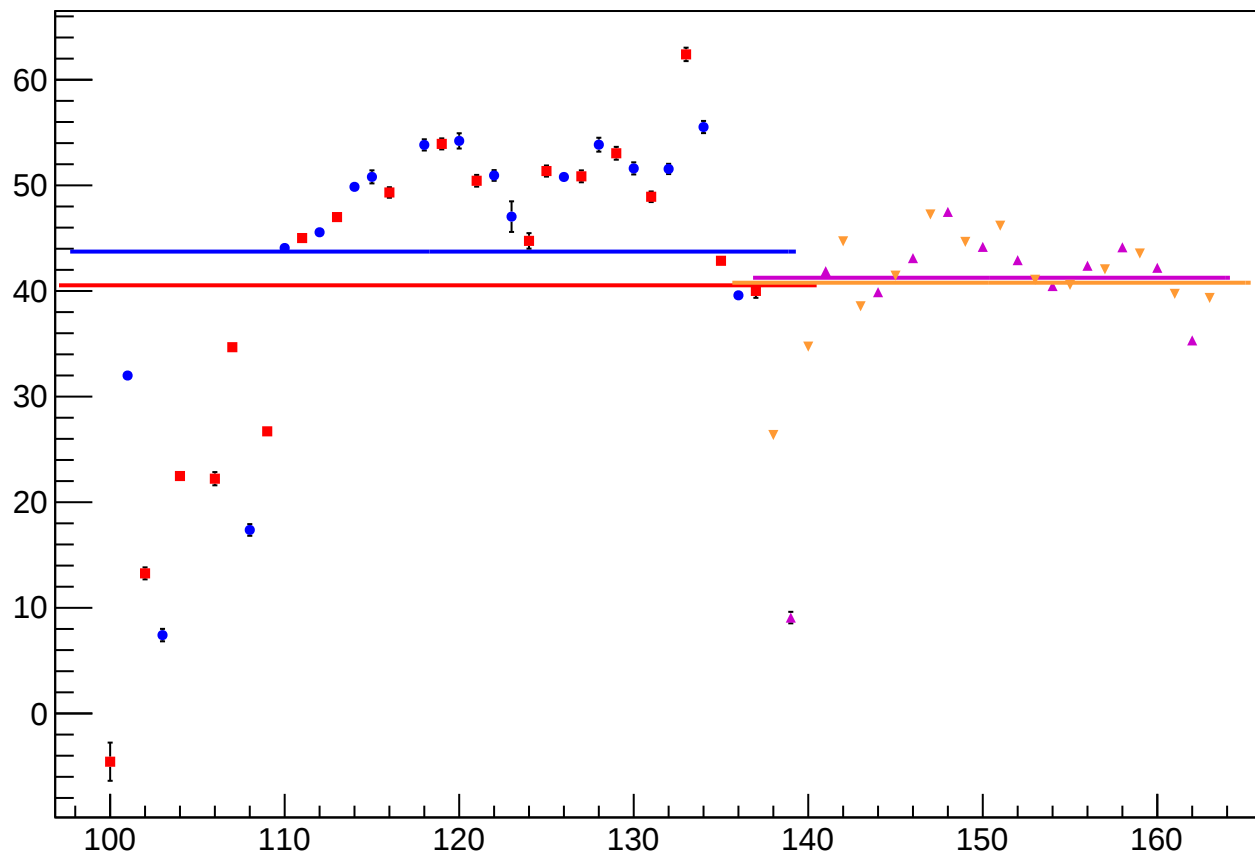
Right: -48.367 ± 0.081 $\chi^2/\text{NDF}: 26406.8/35$

In: -40.176 ± 0.071 $\chi^2/\text{NDF}: 27238.4/28$

Out: -39.507 ± 0.064 $\chi^2/\text{NDF}: 27462.1/32$

All: -39.810 ± 0.048 $\chi^2/\text{NDF}: 54749.5/61$

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.731 $\pm$ 0.087 χ^2/NDF : 10567.7/16

Left Out: 40.783 $\pm$ 0.066 χ^2/NDF : 4876.0/13

Right Out: 40.537 $\pm$ 0.080 χ^2/NDF : 17601.3/18

Left In: 41.253 $\pm$ 0.072 χ^2/NDF : 5455.9/11

Left: 40.999 $\pm$ 0.049 χ^2/NDF : 10355.2/25

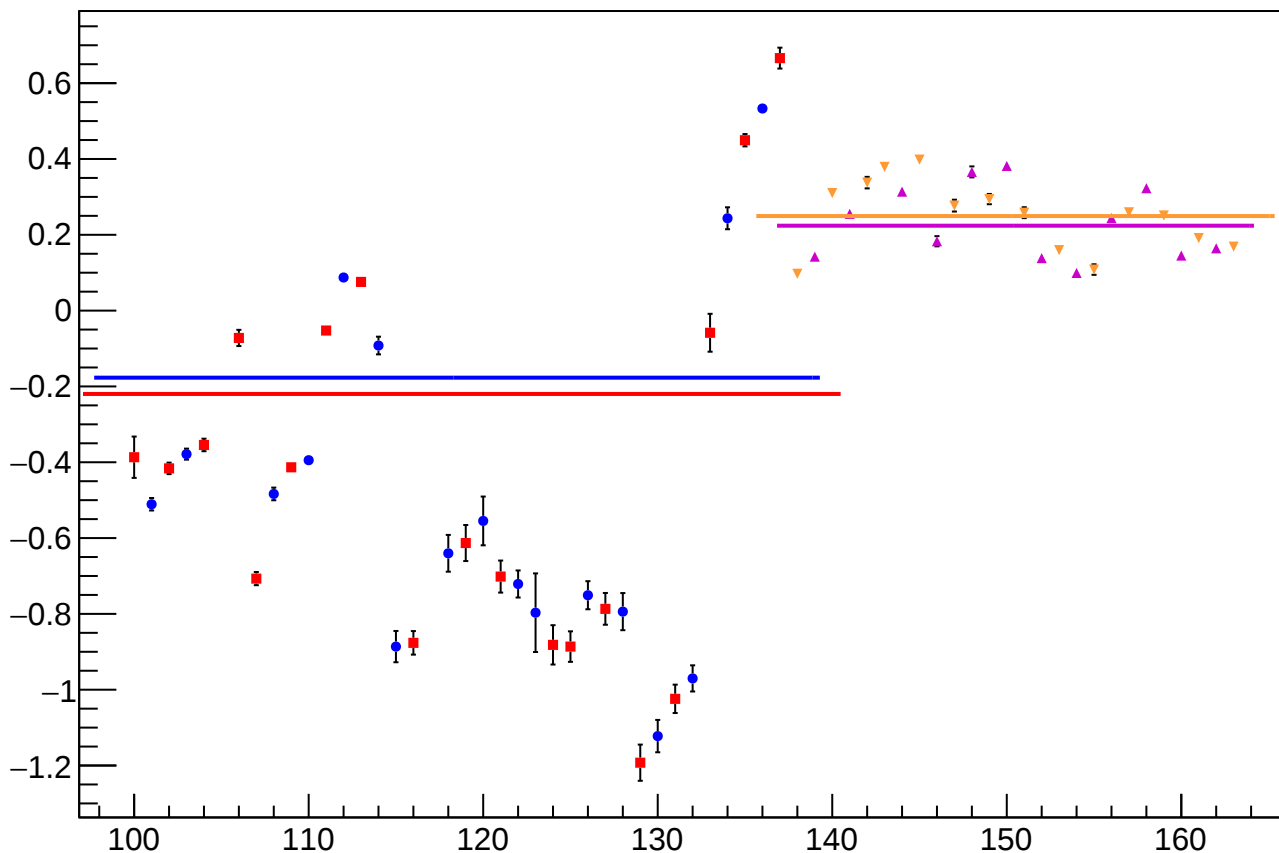
Right: 42.007 $\pm$ 0.059 χ^2/NDF : 28898.9/35

In: 42.257 $\pm$ 0.055 χ^2/NDF : 16507.5/28

Out: 40.683 $\pm$ 0.051 χ^2/NDF : 22482.9/32

All: 41.408 $\pm$ 0.038 χ^2/NDF : 39428.0/61

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.177 ± 0.005 χ^2/NDF : 7364.7/16

Left Out: 0.249 ± 0.003 χ^2/NDF : 835.9/13

Right Out: -0.220 ± 0.004 χ^2/NDF : 7430.4/18

Left In: 0.224 ± 0.003 χ^2/NDF : 706.7/11

Left: 0.238 ± 0.002 χ^2/NDF : 1573.0/25

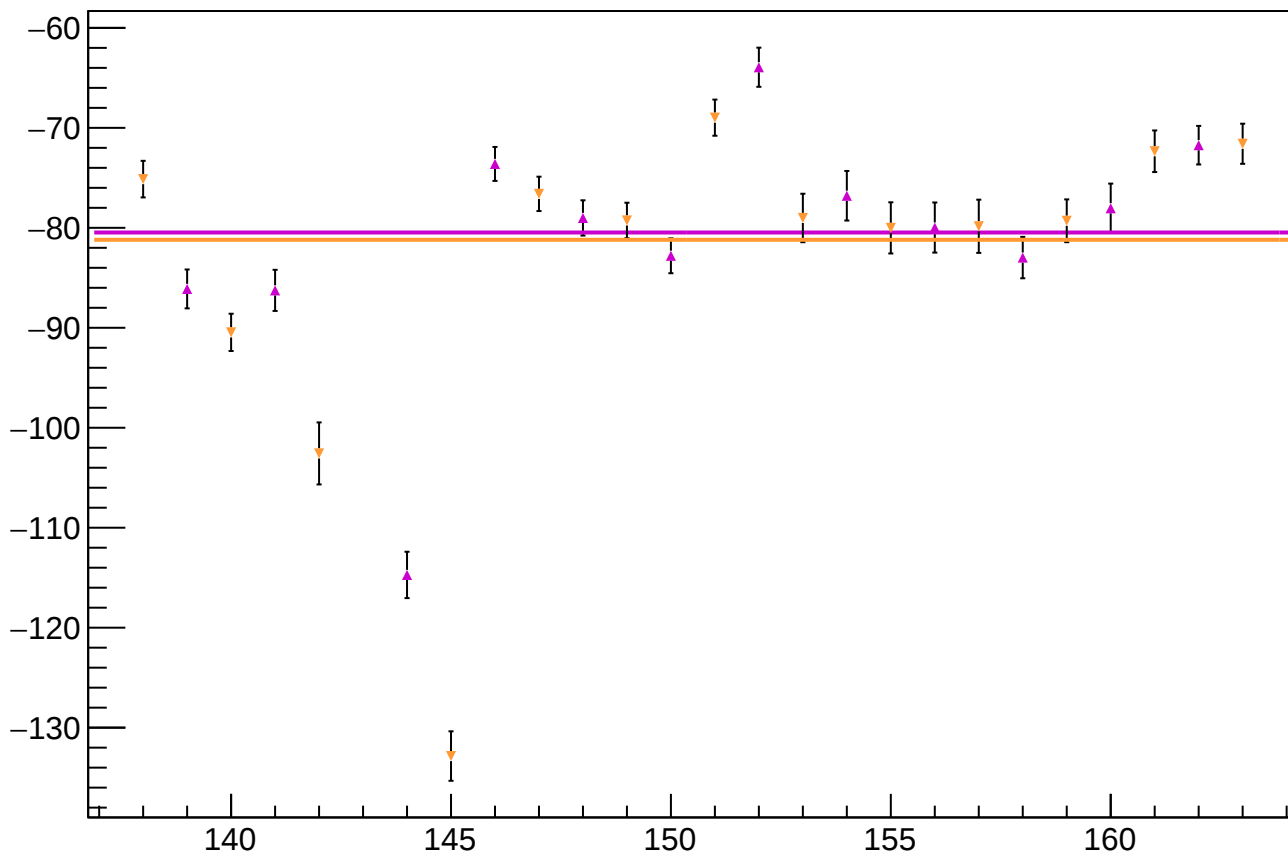
Right: -0.201 ± 0.003 χ^2/NDF : 14839.1/35

In: 0.093 ± 0.003 χ^2/NDF : 12696.4/28

Out: 0.085 ± 0.003 χ^2/NDF : 16003.0/32

All: 0.089 ± 0.002 χ^2/NDF : 28703.9/61

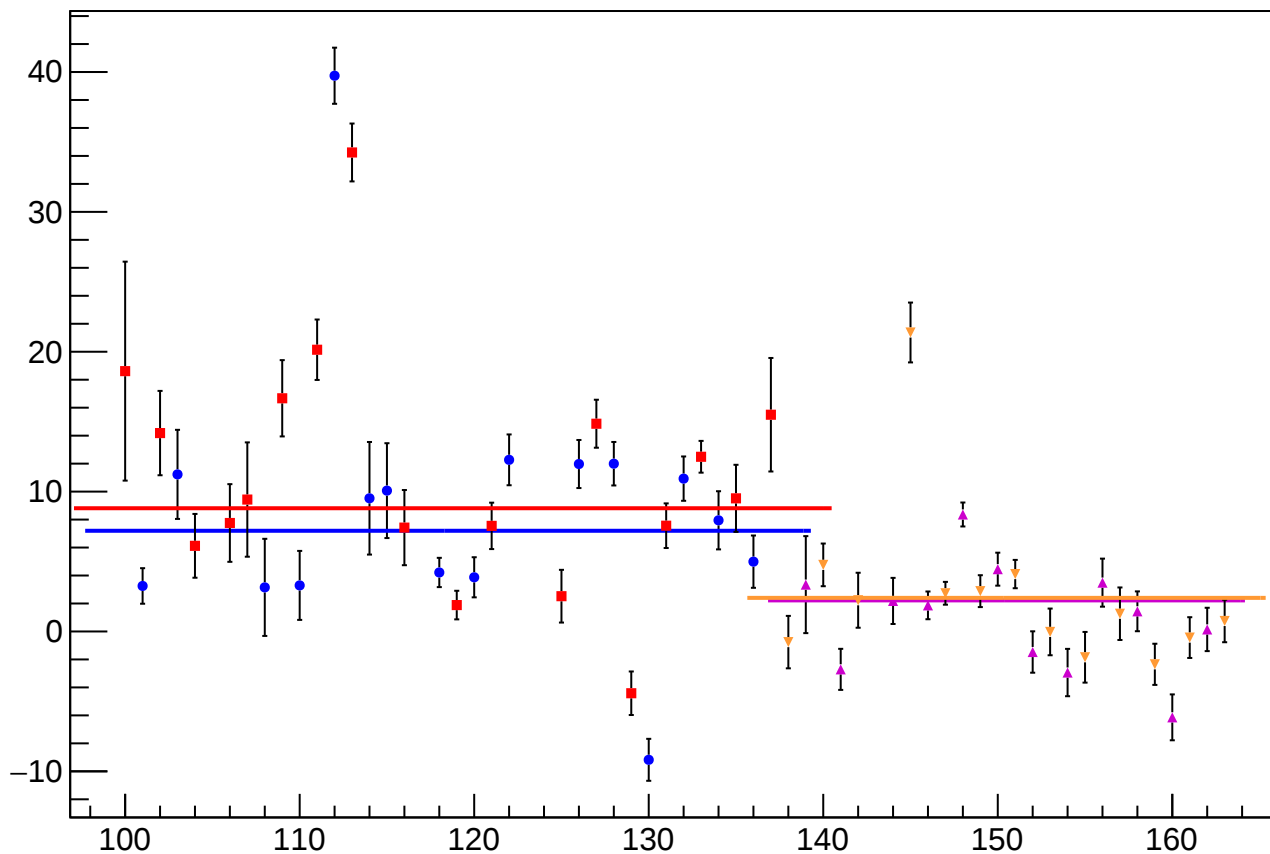
reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -81.198+/-0.580 χ^2/NDF : 615.4/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -80.468+/-0.584 χ^2/NDF : 350.0/11

Left: -80.836+/-0.411 χ^2/NDF : 966.2/24
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -80.468+/-0.584 χ^2/NDF : 350.0/11
 Out: -81.198+/-0.580 χ^2/NDF : 615.4/12
 All: -80.836+/-0.411 χ^2/NDF : 966.2/24

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.199 ± 0.440 χ^2/NDF : 443.8/15

Left Out: 2.402 ± 0.385 χ^2/NDF : 110.4/12

Right Out: 8.810 ± 0.448 χ^2/NDF : 349.7/17

Left In: 2.222 ± 0.394 χ^2/NDF : 110.7/11

Left: 2.314 ± 0.275 χ^2/NDF : 221.2/24

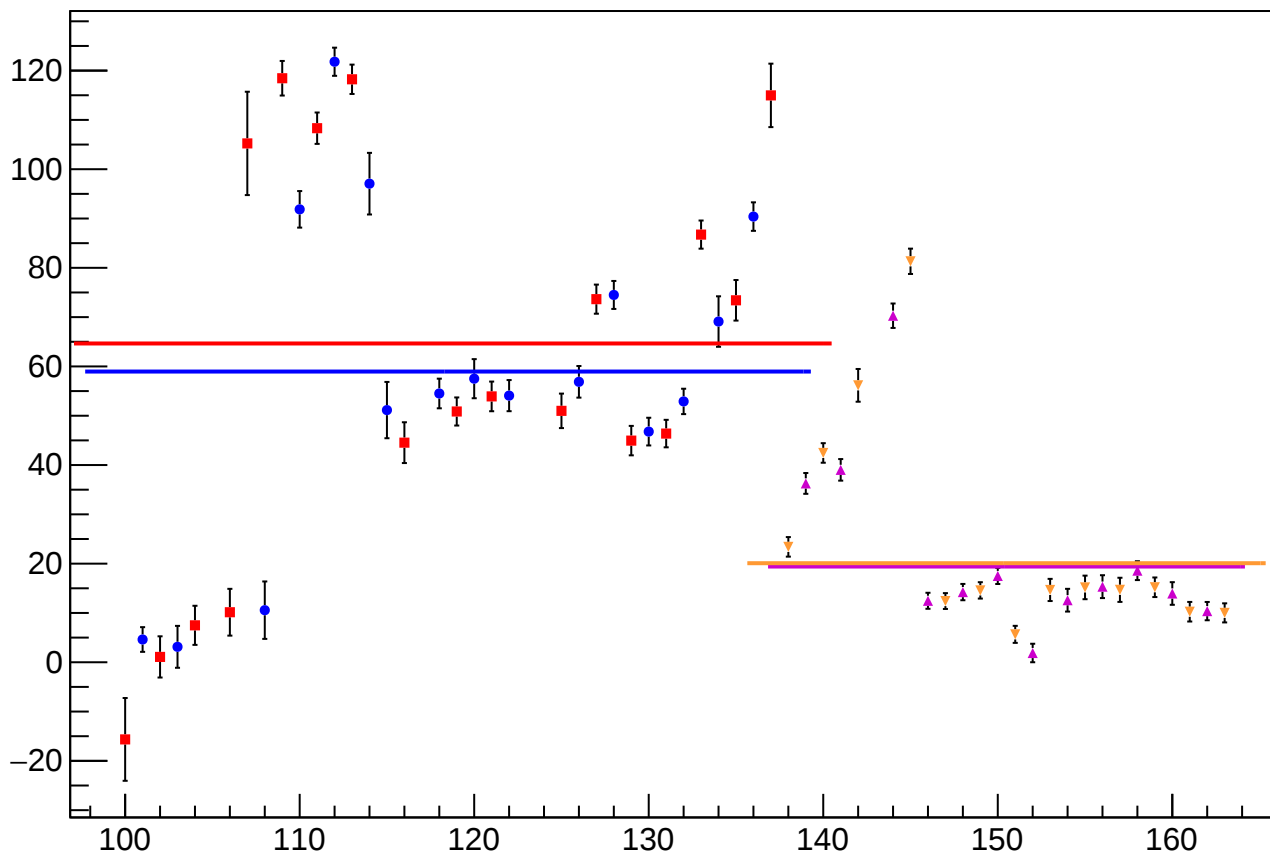
Right: 7.990 ± 0.314 χ^2/NDF : 800.1/33

In: 4.440 ± 0.293 χ^2/NDF : 625.6/27

Out: 5.124 ± 0.292 χ^2/NDF : 577.9/30

All: 4.783 ± 0.207 χ^2/NDF : 1206.2/58

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.962 $\pm$ 0.837 χ^2 /NDF: 1496.5/15

Left Out: 20.089 $\pm$ 0.563 χ^2 /NDF:992.2/12

Right Out: 64.655 $\pm$ 0.840 χ^2 /NDF: 1721.8/17

Left In: 19.415 $\pm$ 0.565 χ^2 /NDF:723.9/11

Left: 19.753 $\pm$ 0.399 χ^2 /NDF: 1716.9/24

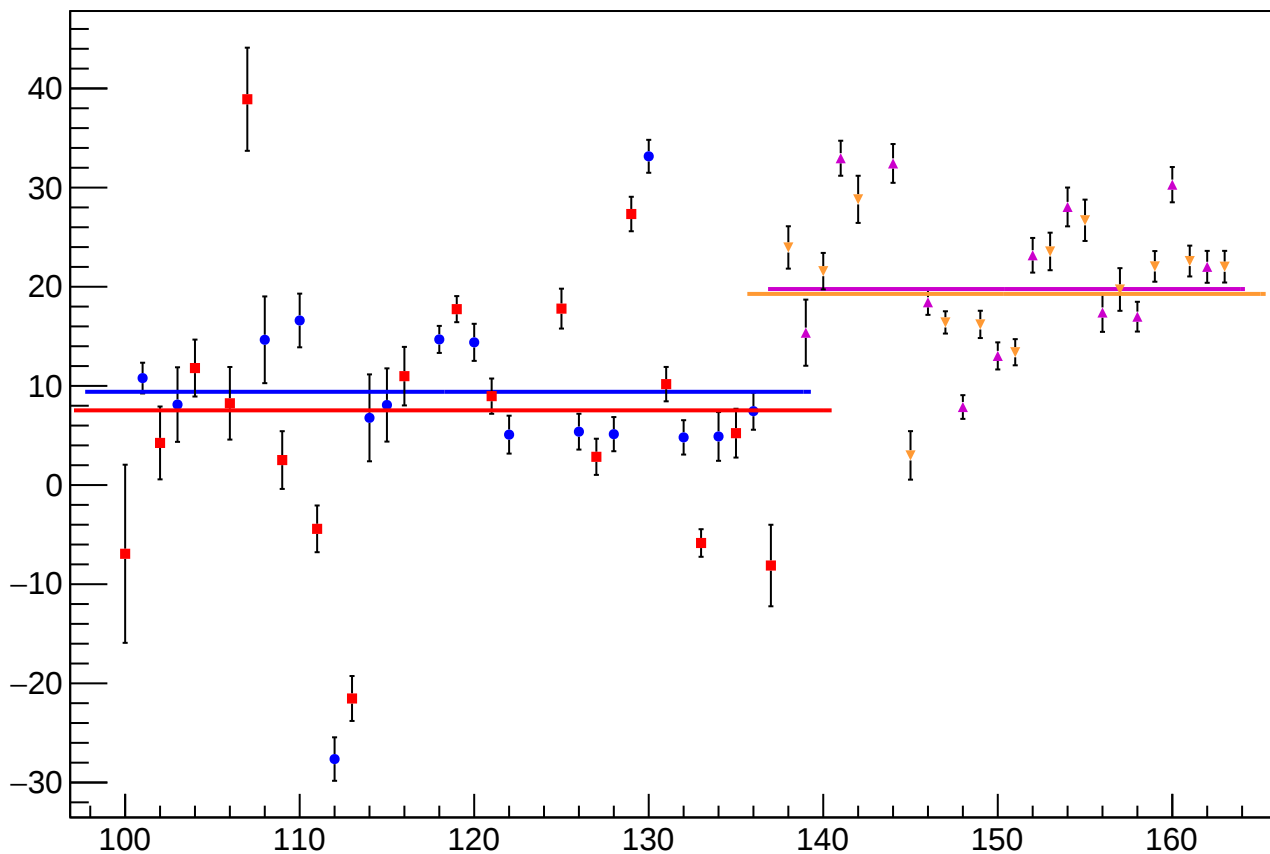
Right: 61.798 $\pm$ 0.593 χ^2 /NDF: 3241.4/33

In: 31.805 $\pm$ 0.468 χ^2 /NDF:3753.6/27

Out: 33.915 $\pm$ 0.468 χ^2 /NDF:4655.4/30

All: 32.862 $\pm$ 0.331 χ^2 /NDF: 8419.2/58

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.405 ± 0.507 χ^2/NDF : 549.5/15

Left Out: 19.277 ± 0.461 χ^2/NDF : 126.8/12

Right Out: 7.533 ± 0.515 χ^2/NDF : 569.8/17

Left In: 19.770 ± 0.470 χ^2/NDF : 287.4/11

Left: 19.519 ± 0.329 χ^2/NDF : 414.7/24

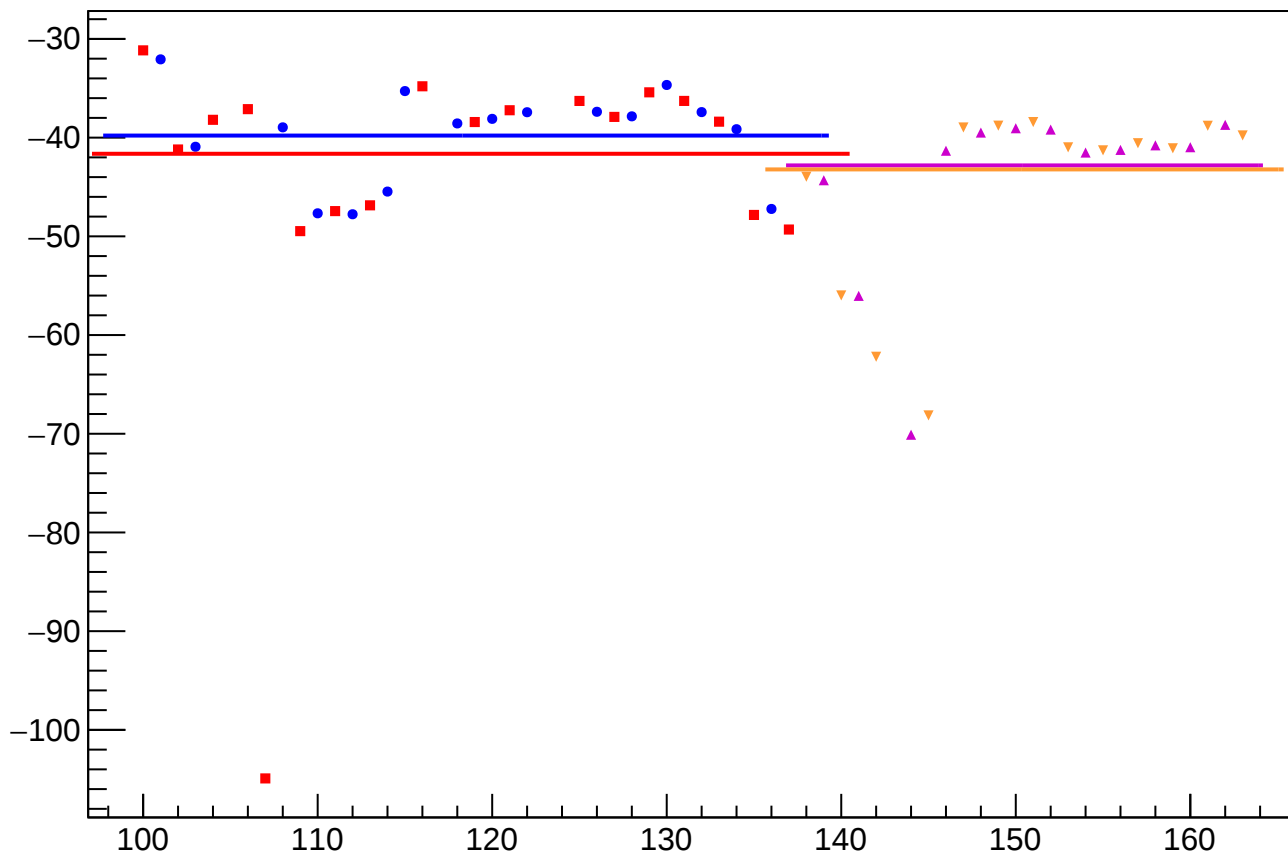
Right: 8.484 ± 0.361 χ^2/NDF : 1126.0/33

In: 14.974 ± 0.345 χ^2/NDF : 1061.7/27

Out: 14.049 ± 0.343 χ^2/NDF : 985.3/30

All: 14.510 ± 0.243 χ^2/NDF : 2050.6/58

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.791 ± 0.031 χ^2/NDF : 26138.6/15

Left Out: -43.220 ± 0.022 χ^2/NDF : 122013.2/12

Right Out: -41.635 ± 0.031 χ^2/NDF : 94393.1/17

Left In: -42.815 ± 0.022 χ^2/NDF : 98739.2/11

Left: -43.016 ± 0.016 χ^2/NDF : 220917.6/24

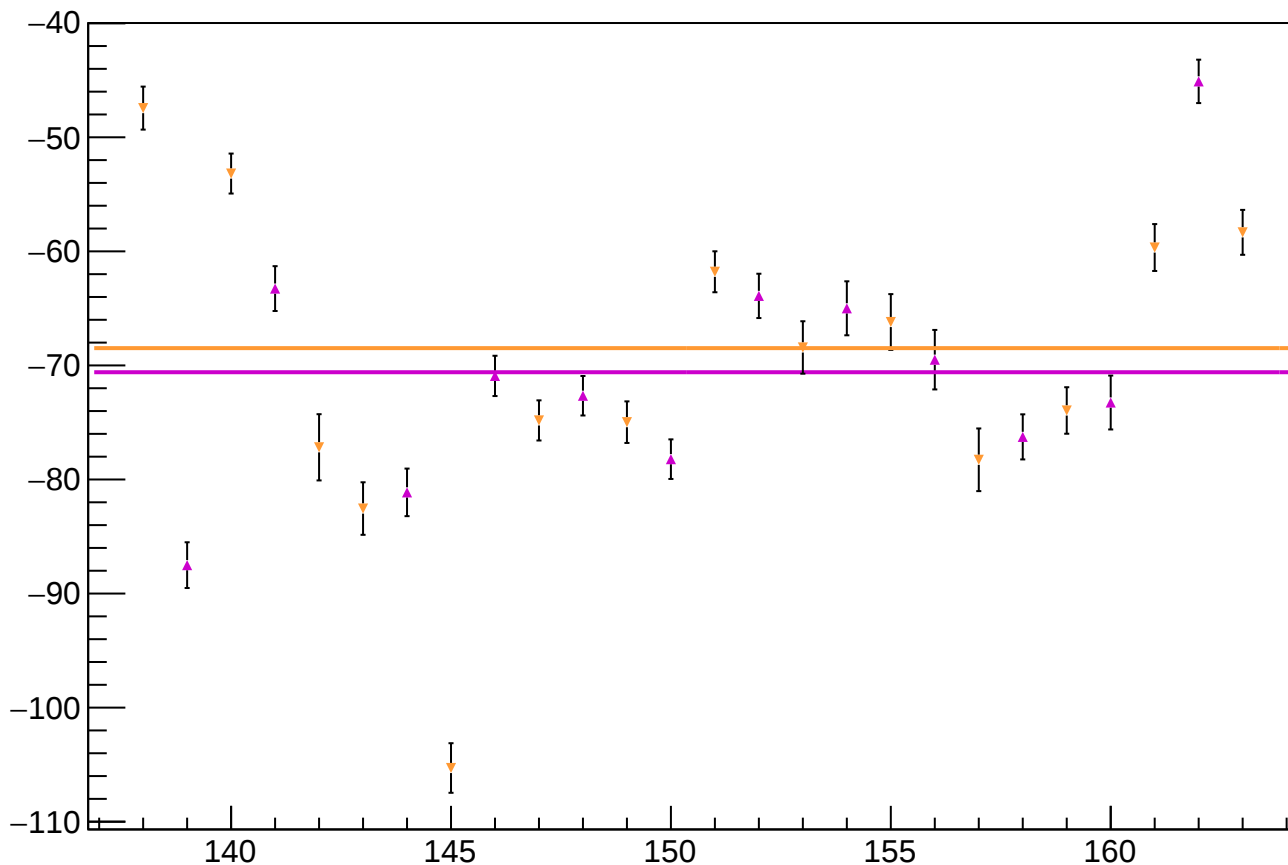
Right: -40.714 ± 0.022 χ^2/NDF : 122277.1/33

In: -41.797 ± 0.018 χ^2/NDF : 131097.7/27

Out: -42.682 ± 0.018 χ^2/NDF : 218108.9/30

All: -42.238 ± 0.013 χ^2/NDF : 350395.0/58

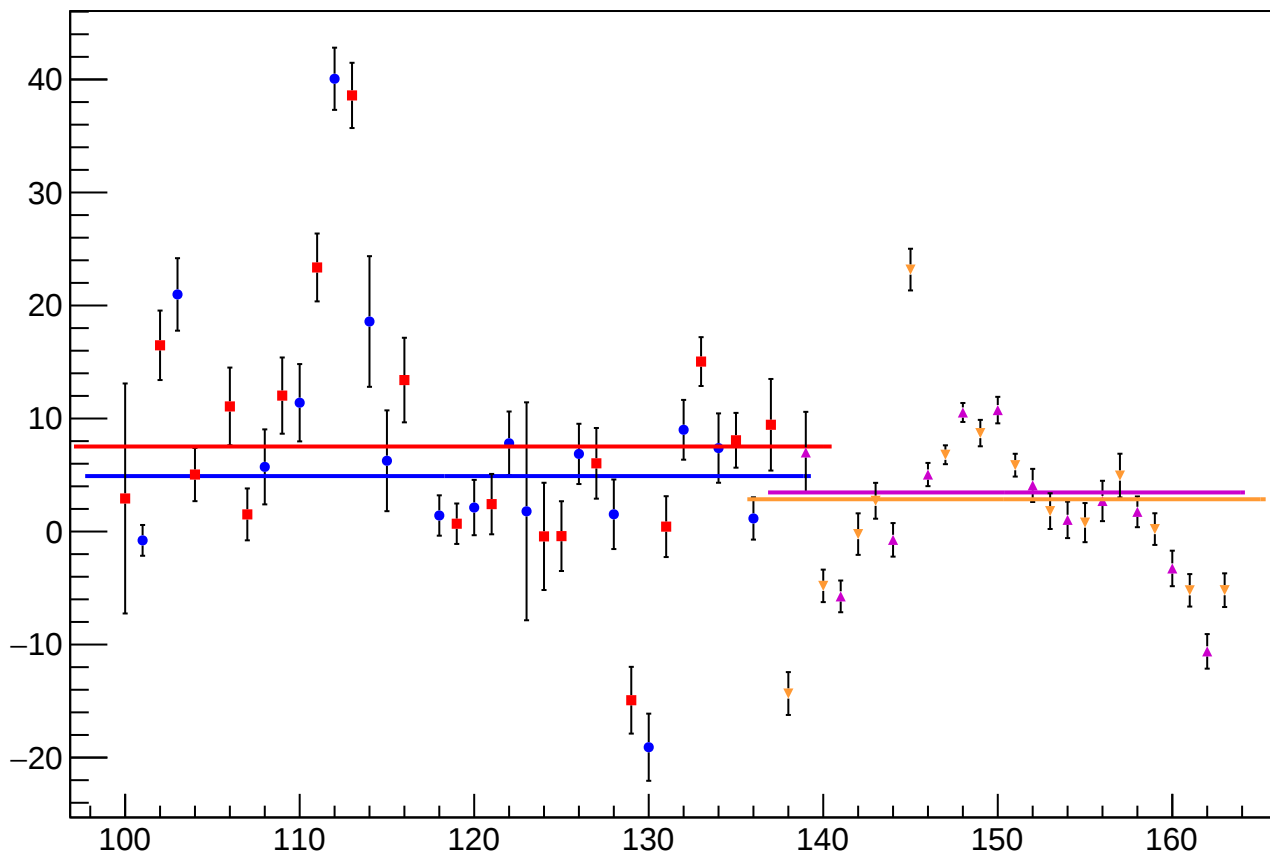
reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -68.484+/-0.552 χ^2/NDF : 639.2/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -70.597+/-0.575 χ^2/NDF : 338.0/11

Left: -69.497+/-0.398 χ^2/NDF : 984.2/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -70.597+/-0.575 χ^2/NDF : 338.0/11
 Out: -68.484+/-0.552 χ^2/NDF : 639.2/13
 All: -69.497+/-0.398 χ^2/NDF : 984.2/25

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.907 ± 0.628 χ^2/NDF : 295.4/16

Left Out: 2.856 ± 0.369 χ^2/NDF : 358.3/13

Right Out: 7.523 ± 0.651 χ^2/NDF : 270.6/18

Left In: 3.459 ± 0.387 χ^2/NDF : 271.0/11

Left: 3.143 ± 0.267 χ^2/NDF : 630.6/25

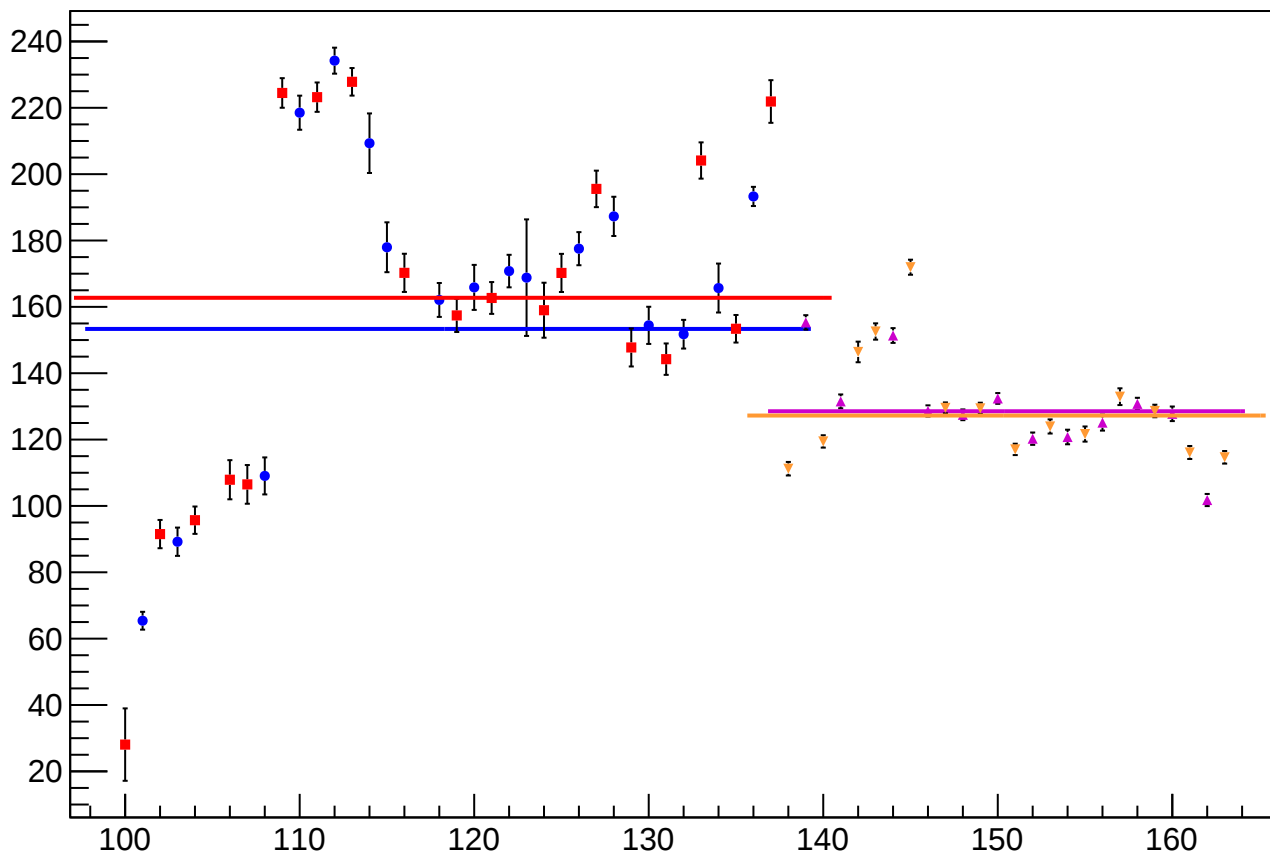
Right: 6.168 ± 0.452 χ^2/NDF : 574.4/35

In: 3.858 ± 0.330 χ^2/NDF : 570.3/28

Out: 3.992 ± 0.321 χ^2/NDF : 667.8/32

All: 3.927 ± 0.230 χ^2/NDF : 1238.2/61

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 153.350+/-1.150 χ^2/NDF : 2268.3/16

Left Out: 127.245+/-0.540 χ^2/NDF : 740.3/13

Right Out: 162.734+/-1.177 χ^2/NDF : 1708.8/18

Left In: 128.536+/-0.557 χ^2/NDF : 514.0/11

Left: 127.870+/-0.388 χ^2/NDF : 1257.0/25

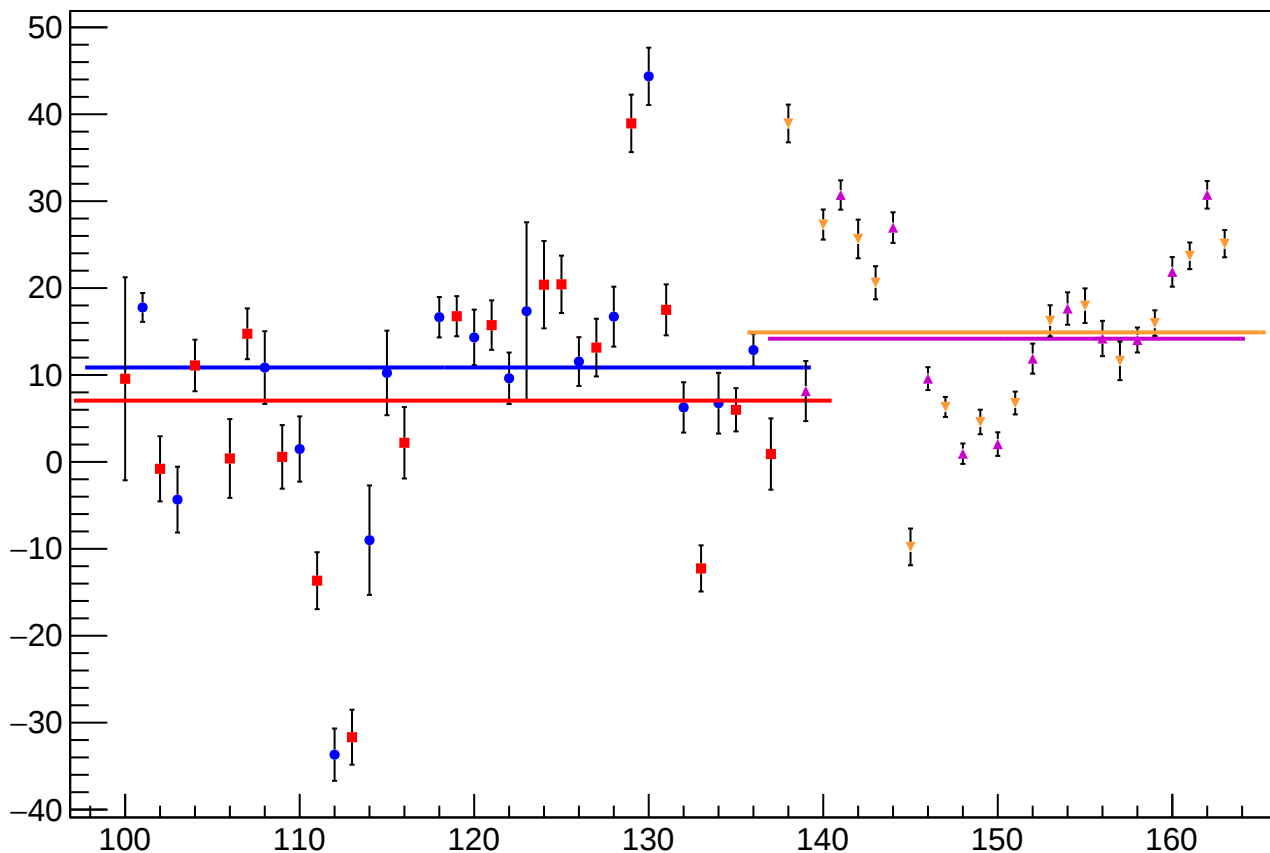
Right: 157.935+/-0.823 χ^2/NDF : 4009.6/35

In: 133.248+/-0.501 χ^2/NDF : 3159.3/28

Out: 133.416+/-0.491 χ^2/NDF : 3200.3/32

All: 133.334+/-0.351 χ^2/NDF : 6359.6/61

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.864 $\pm$ 0.719 χ^2 /NDF: 387.9/16

Left Out: 14.901 $\pm$ 0.441 χ^2 /NDF: 570.9/13

Right Out: 7.052 $\pm$ 0.748 χ^2 /NDF: 424.7/18

Left In: 14.173 $\pm$ 0.462 χ^2 /NDF: 504.5/11

Left: 14.554 $\pm$ 0.319 χ^2 /NDF: 1076.7/25

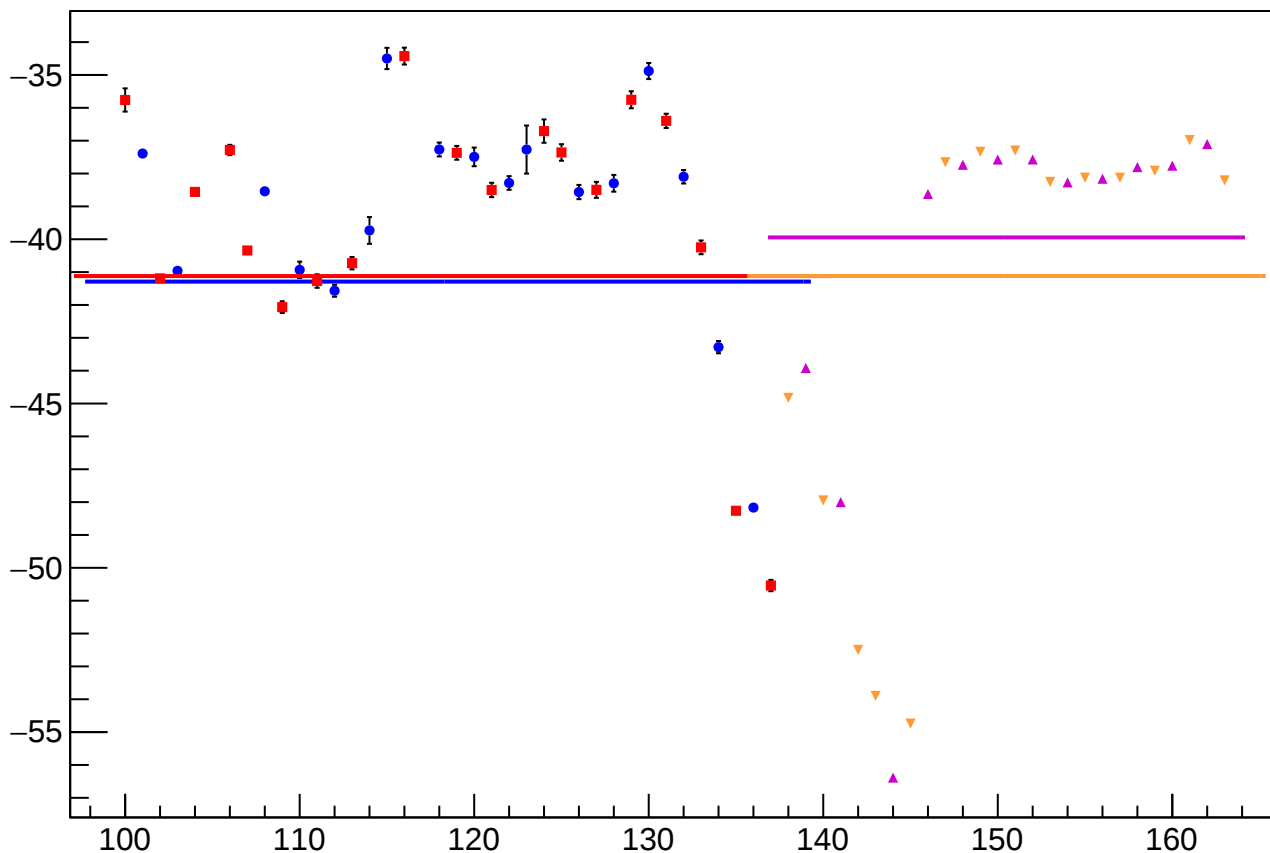
Right: 9.031 $\pm$ 0.518 χ^2 /NDF: 826.1/35

In: 13.207 $\pm$ 0.389 χ^2 /NDF: 907.4/28

Out: 12.876 $\pm$ 0.380 χ^2 /NDF: 1077.4/32

All: 13.038 $\pm$ 0.272 χ^2 /NDF: 1985.2/61

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: -41.117 ± 0.021 $\chi^2/\text{NDF}: 75565.4/13$

Right Out: -41.120 ± 0.039 $\chi^2/\text{NDF}: 12110.6/18$

Left In: -39.944 ± 0.022 $\chi^2/\text{NDF}: 47993.4/11$

Left: -40.544 ± 0.015 $\chi^2/\text{NDF}: 125024.3/25$

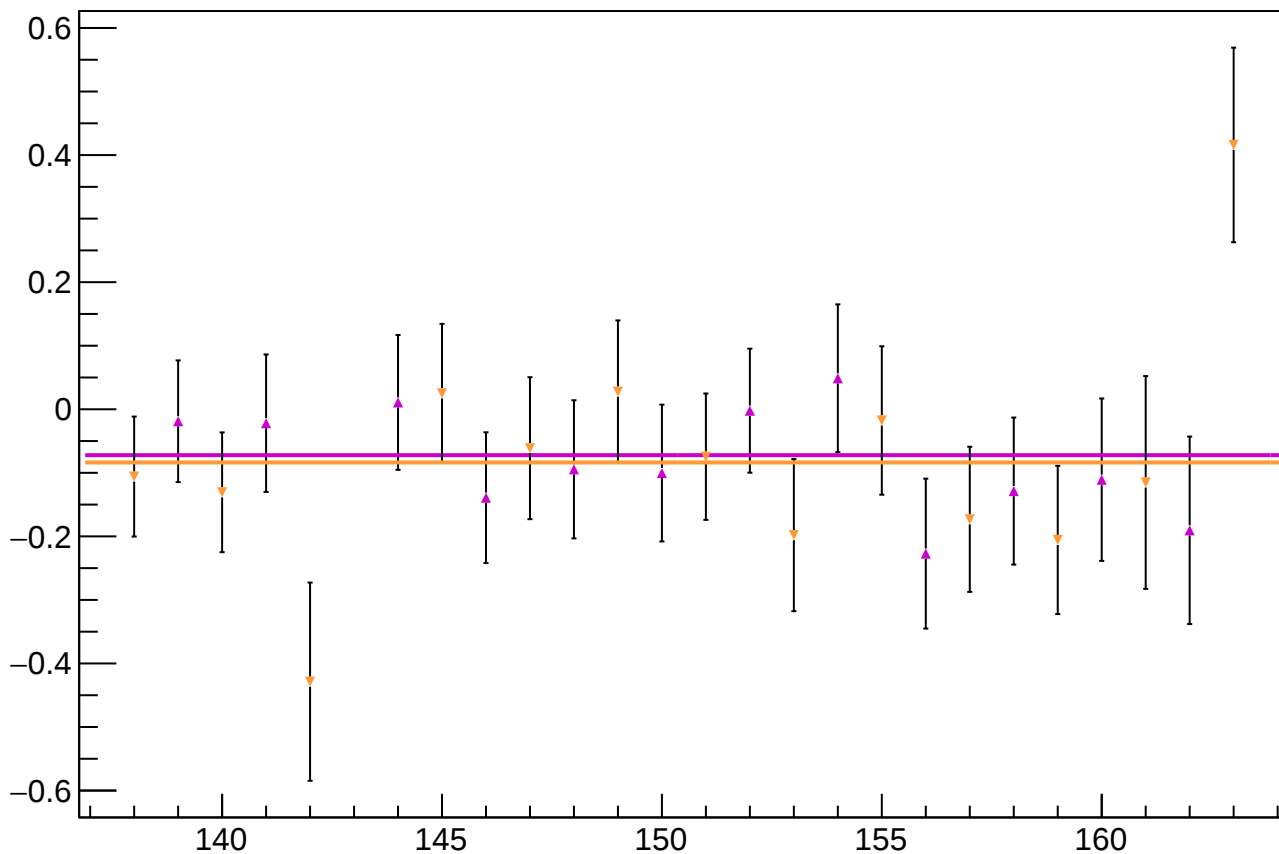
Right: -41.205 ± 0.027 $\chi^2/\text{NDF}: 24629.1/35$

In: -40.272 ± 0.019 $\chi^2/\text{NDF}: 61419.8/28$

Out: -41.118 ± 0.019 $\chi^2/\text{NDF}: 87676.0/32$

All: -40.702 ± 0.013 $\chi^2/\text{NDF}: 150098.2/61$

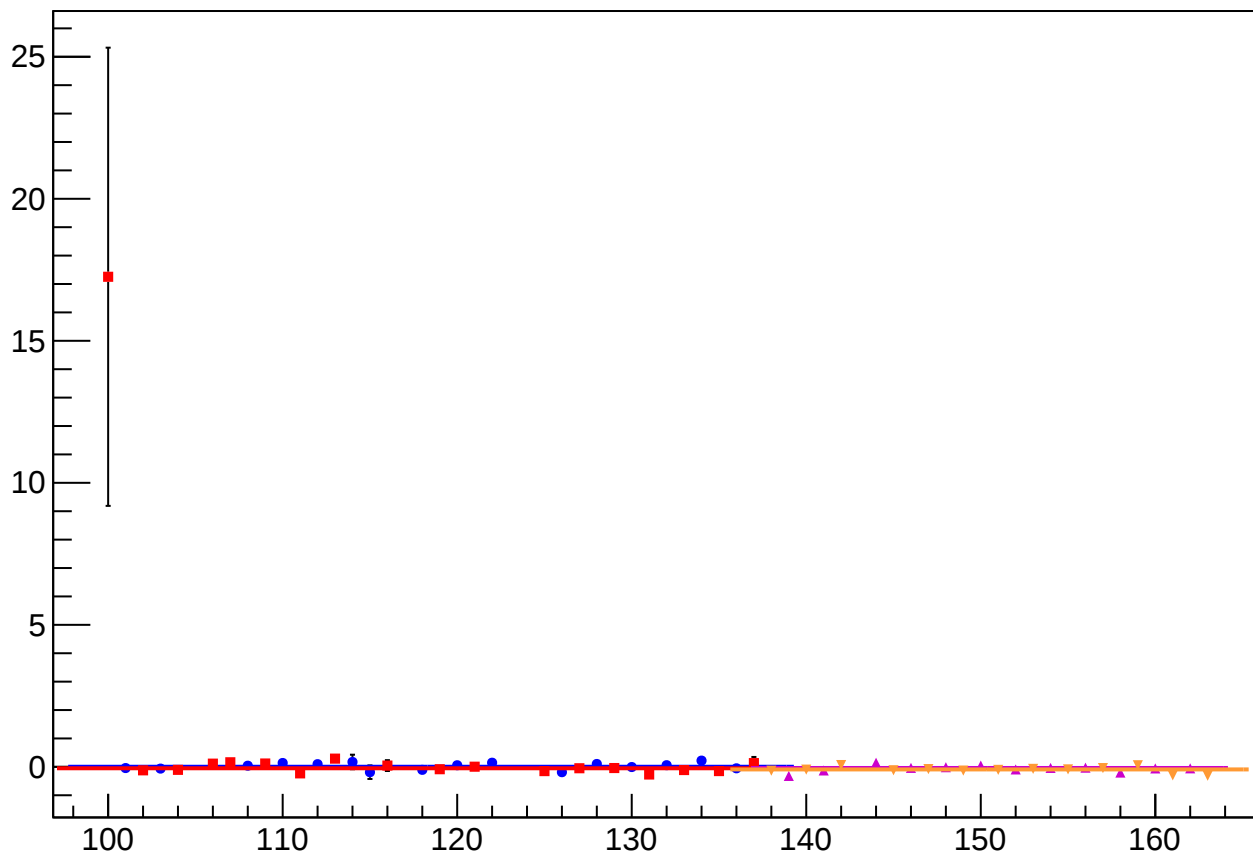
reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.084+/-0.032 χ^2/NDF : 20.8/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.072+/-0.032 χ^2/NDF : 6.0/11

Left: -0.078+/-0.023 χ^2/NDF : 26.9/24
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.072+/-0.032 χ^2/NDF : 6.0/11
 Out: -0.084+/-0.032 χ^2/NDF : 20.8/12
 All: -0.078+/-0.023 χ^2/NDF : 26.9/24

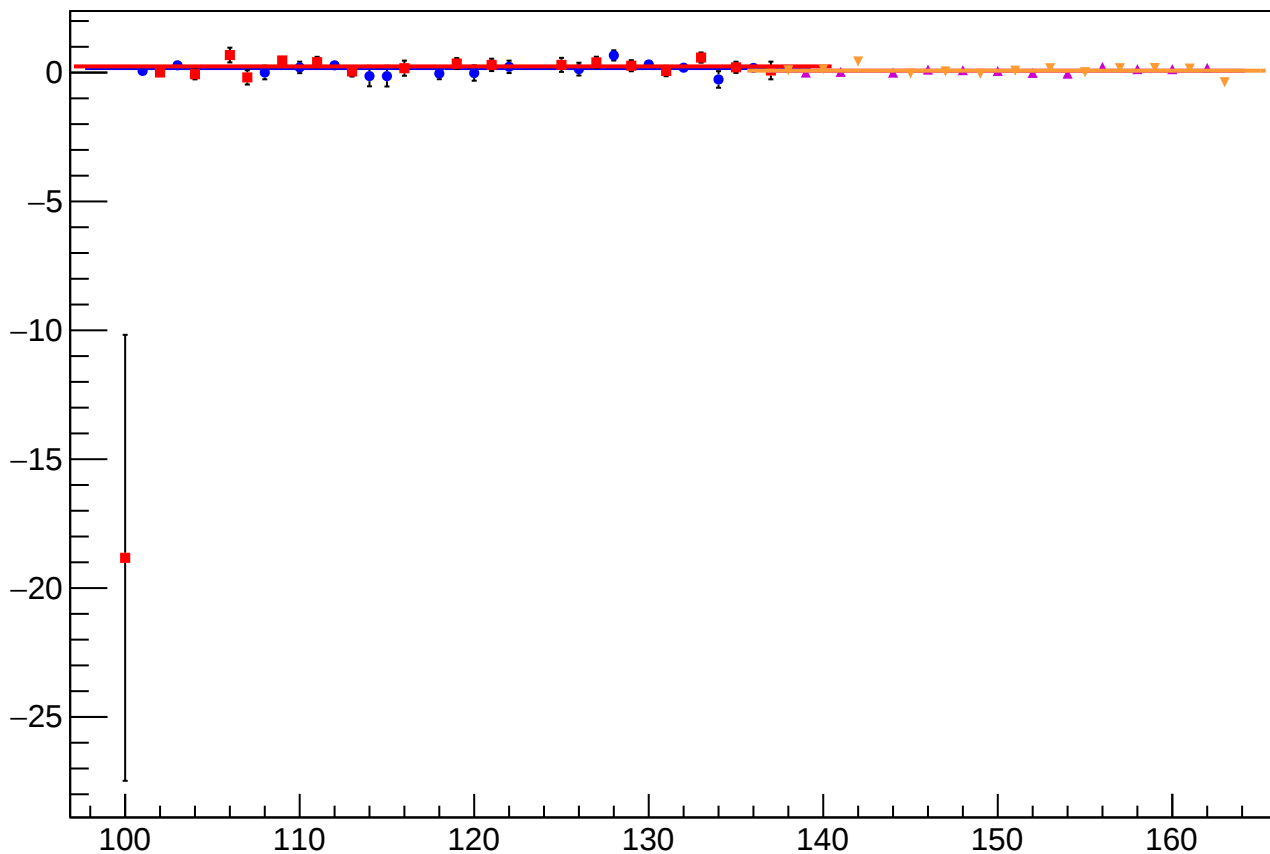
reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.003 ± 0.029 $\chi^2/\text{NDF}: 12.4/15$
 Left Out: -0.090 ± 0.022 $\chi^2/\text{NDF}: 13.7/12$
 Right Out: -0.050 ± 0.029 $\chi^2/\text{NDF}: 25.6/17$
 Left In: -0.040 ± 0.022 $\chi^2/\text{NDF}: 16.1/11$

Left: -0.065 ± 0.016 $\chi^2/\text{NDF}: 32.4/24$
 Right: -0.023 ± 0.020 $\chi^2/\text{NDF}: 39.7/33$
 In: -0.024 ± 0.017 $\chi^2/\text{NDF}: 29.9/27$
 Out: -0.076 ± 0.018 $\chi^2/\text{NDF}: 40.5/30$
 All: -0.050 ± 0.012 $\chi^2/\text{NDF}: 74.8/58$

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.176+/-0.053 χ^2/NDF : 13.0/15

Left Out: 0.075+/-0.031 χ^2/NDF : 19.2/12

Right Out: 0.240+/-0.054 χ^2/NDF : 21.6/17

Left In: 0.070+/-0.031 χ^2/NDF : 6.2/11

Left: 0.072+/-0.022 χ^2/NDF : 25.4/24

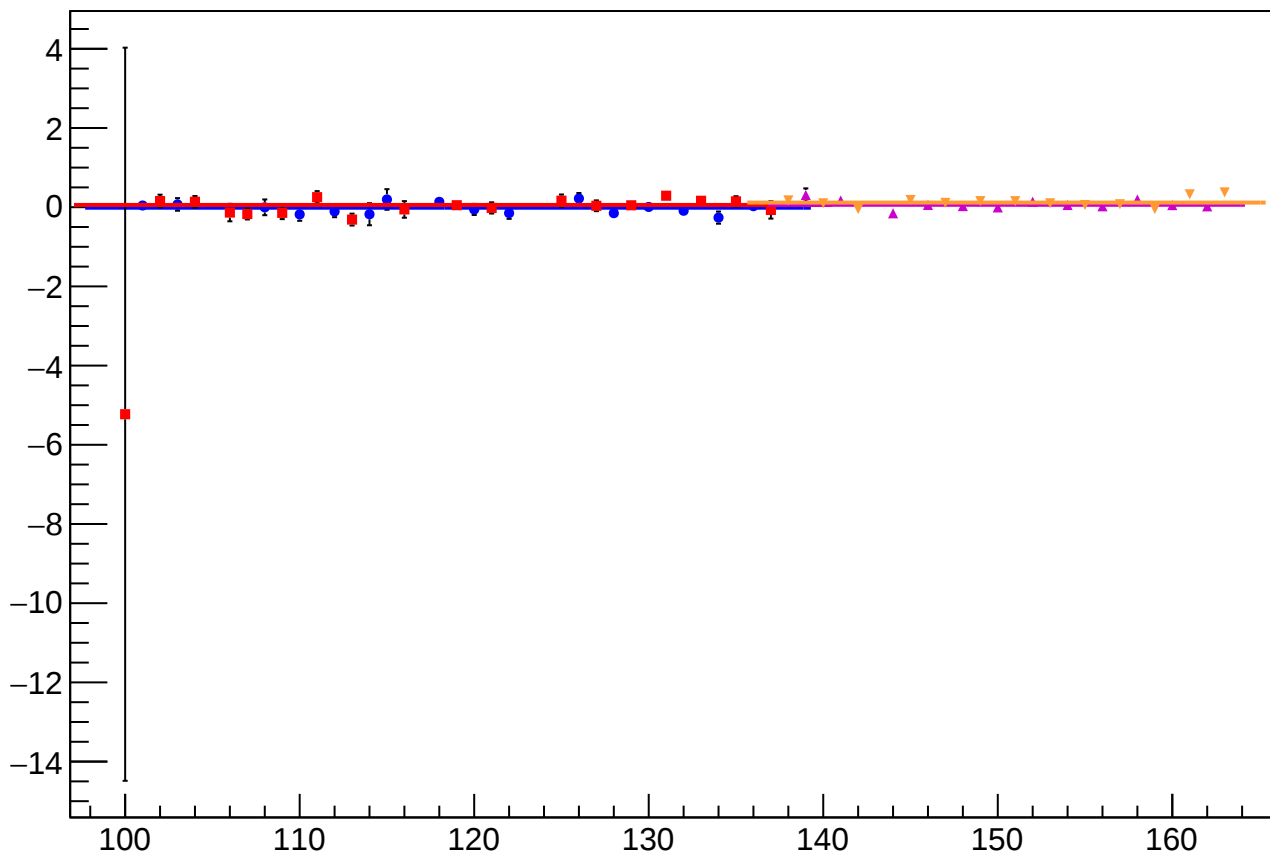
Right: 0.207+/-0.038 χ^2/NDF : 35.3/33

In: 0.098+/-0.027 χ^2/NDF : 22.1/27

Out: 0.116+/-0.027 χ^2/NDF : 47.9/30

All: 0.107+/-0.019 χ^2/NDF : 70.2/58

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.117 ± 0.026 χ^2/NDF : 14.4/12

Right Out: 0.057 ± 0.034 χ^2/NDF : 20.3/17

Left In: 0.061 ± 0.026 χ^2/NDF : 13.8/11

Left: 0.089 ± 0.019 χ^2/NDF : 30.5/24

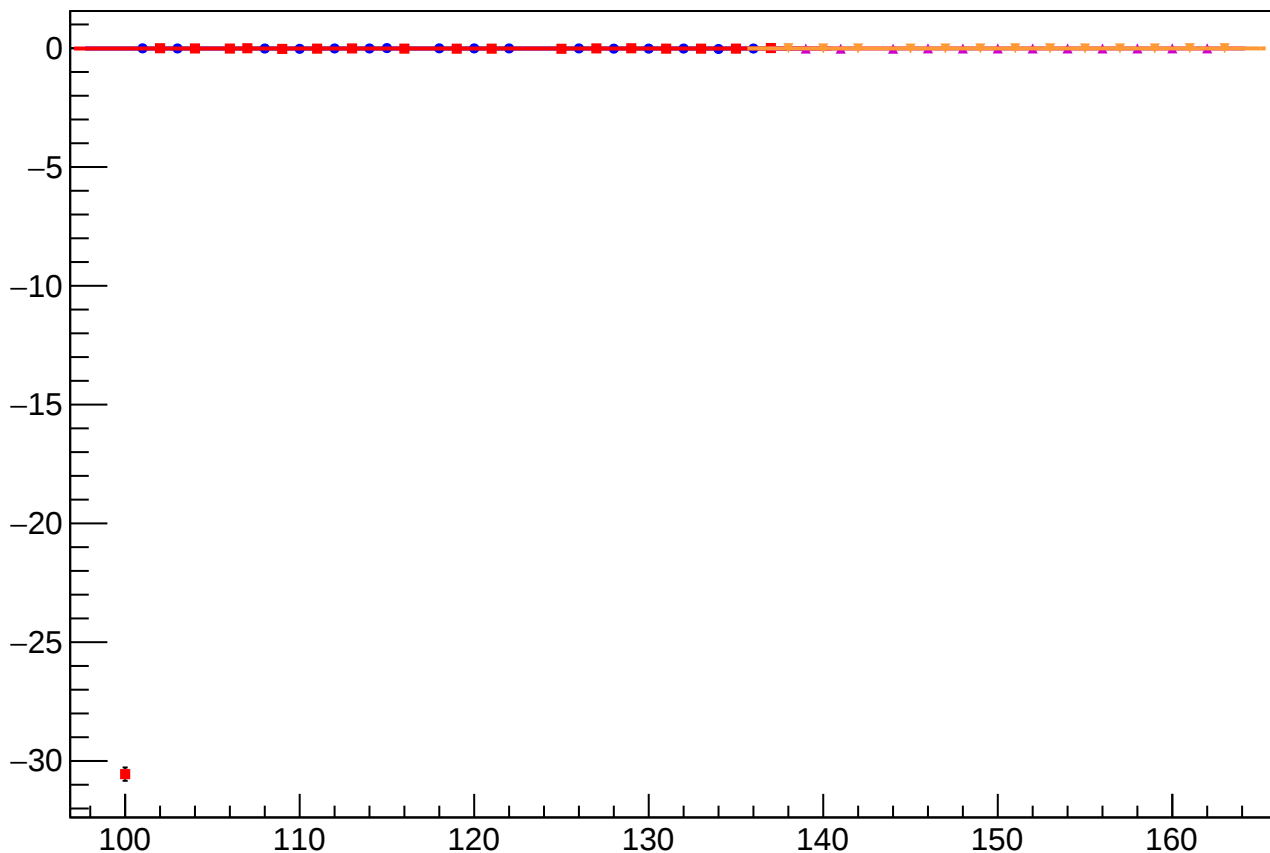
Right: 0.021 ± 0.024 χ^2/NDF : 36.2/33

In: 0.032 ± 0.020 χ^2/NDF : 30.5/27

Out: 0.094 ± 0.021 χ^2/NDF : 36.7/30

All: 0.063 ± 0.015 χ^2/NDF : 71.8/58

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 ± 0.002 χ^2/NDF : 12.8/15

Left Out: -0.008 ± 0.001 χ^2/NDF : 11.9/12

Right Out: -0.012 ± 0.002 χ^2/NDF : 11891.4/17

Left In: -0.010 ± 0.001 χ^2/NDF : 11.0/11

Left: -0.009 ± 0.001 χ^2/NDF : 24.7/24

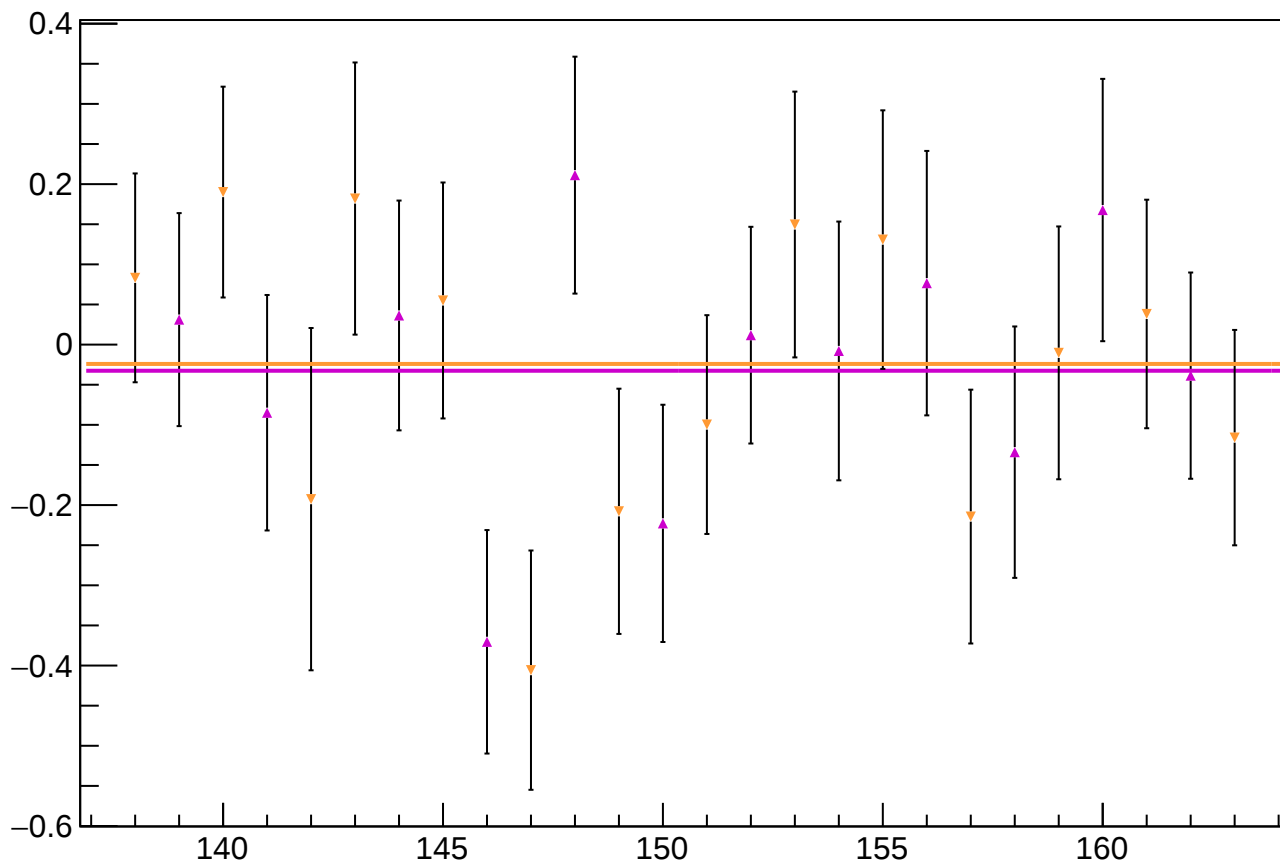
Right: -0.012 ± 0.001 χ^2/NDF : 11904.1/33

In: -0.011 ± 0.001 χ^2/NDF : 24.3/27

Out: -0.009 ± 0.001 χ^2/NDF : 11906.6/30

All: -0.010 ± 0.001 χ^2/NDF : 11932.0/58

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -0.024 $\pm$ 0.040 χ^2 /NDF:18.2/13

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -0.033 $\pm$ 0.042 χ^2 /NDF:13.3/11

Left: -0.028 $\pm$ 0.029 χ^2 /NDF: 31.5/25

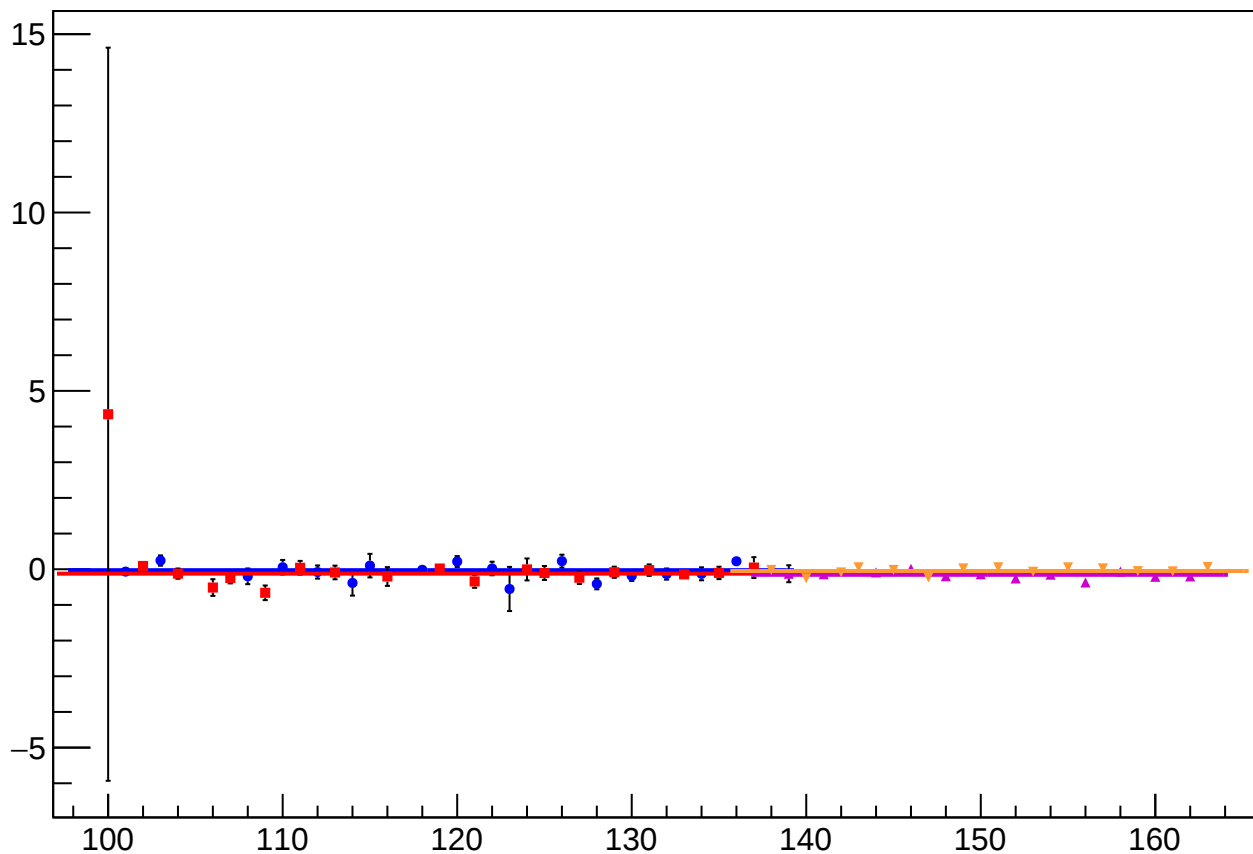
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.033 $\pm$ 0.042 χ^2 /NDF:13.3/11

Out: -0.024 $\pm$ 0.040 χ^2 /NDF:18.2/13

All: -0.028 $\pm$ 0.029 χ^2 /NDF: 31.5/25

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.026±/0.037 χ^2/NDF : 22.7/16

Left Out: -0.049±/0.028 χ^2/NDF :16.0/13

Right Out: -0.124±/0.039 χ^2/NDF : 18.3/18

Left In: -0.156±/0.029 χ^2/NDF :10.7/11

Left: -0.099±/0.020 χ^2/NDF : 33.7/25

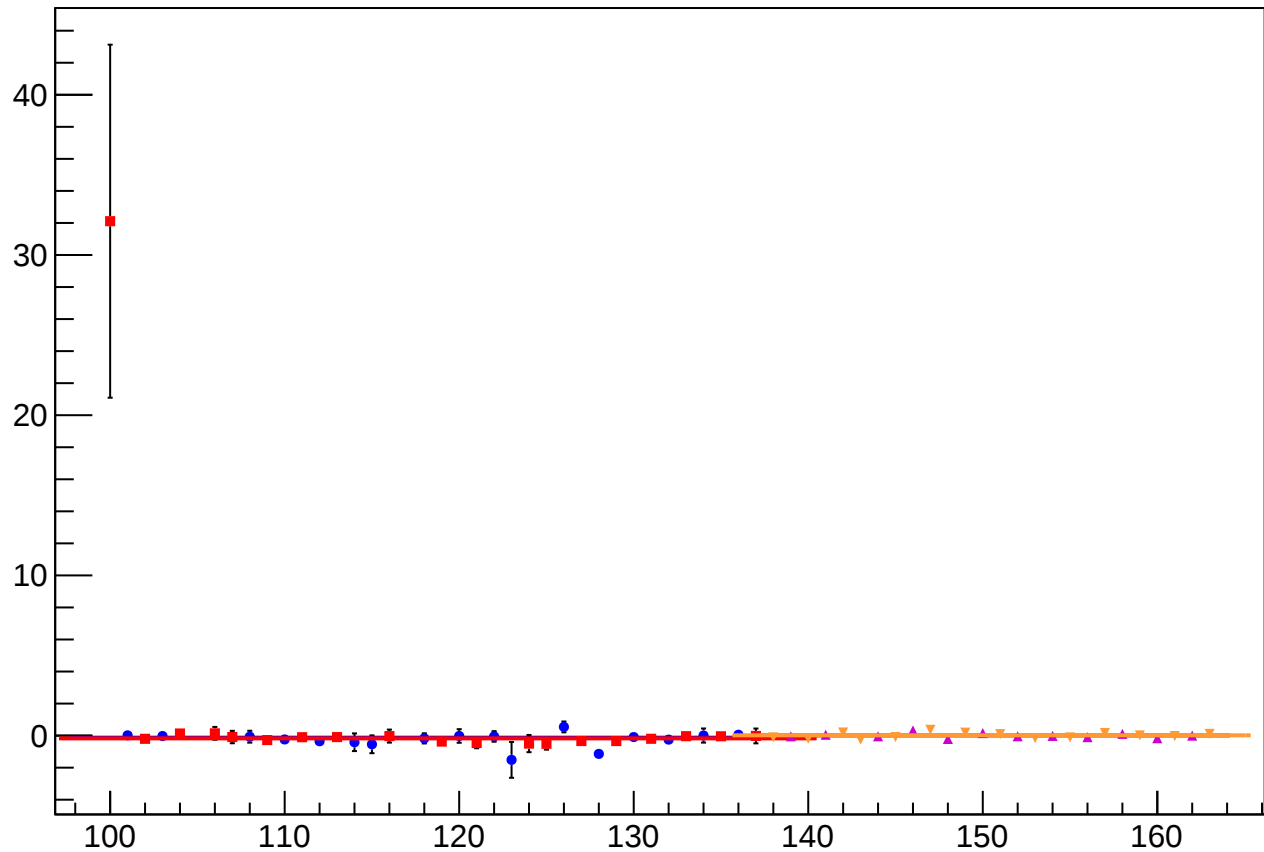
Right: -0.072±/0.027 χ^2/NDF : 44.3/35

In: -0.105±/0.023 χ^2/NDF :41.0/28

Out: -0.074±/0.023 χ^2/NDF :36.7/32

All: -0.089±/0.016 χ^2/NDF : 78.6/61

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.129 ± 0.067 $\chi^2/\text{NDF}: 23.1/16$

Left Out: 0.018 ± 0.039 $\chi^2/\text{NDF}: 17.8/13$

Right Out: -0.172 ± 0.071 $\chi^2/\text{NDF}: 14.9/18$

Left In: 0.009 ± 0.041 $\chi^2/\text{NDF}: 11.9/11$

Left: 0.014 ± 0.028 $\chi^2/\text{NDF}: 29.7/25$

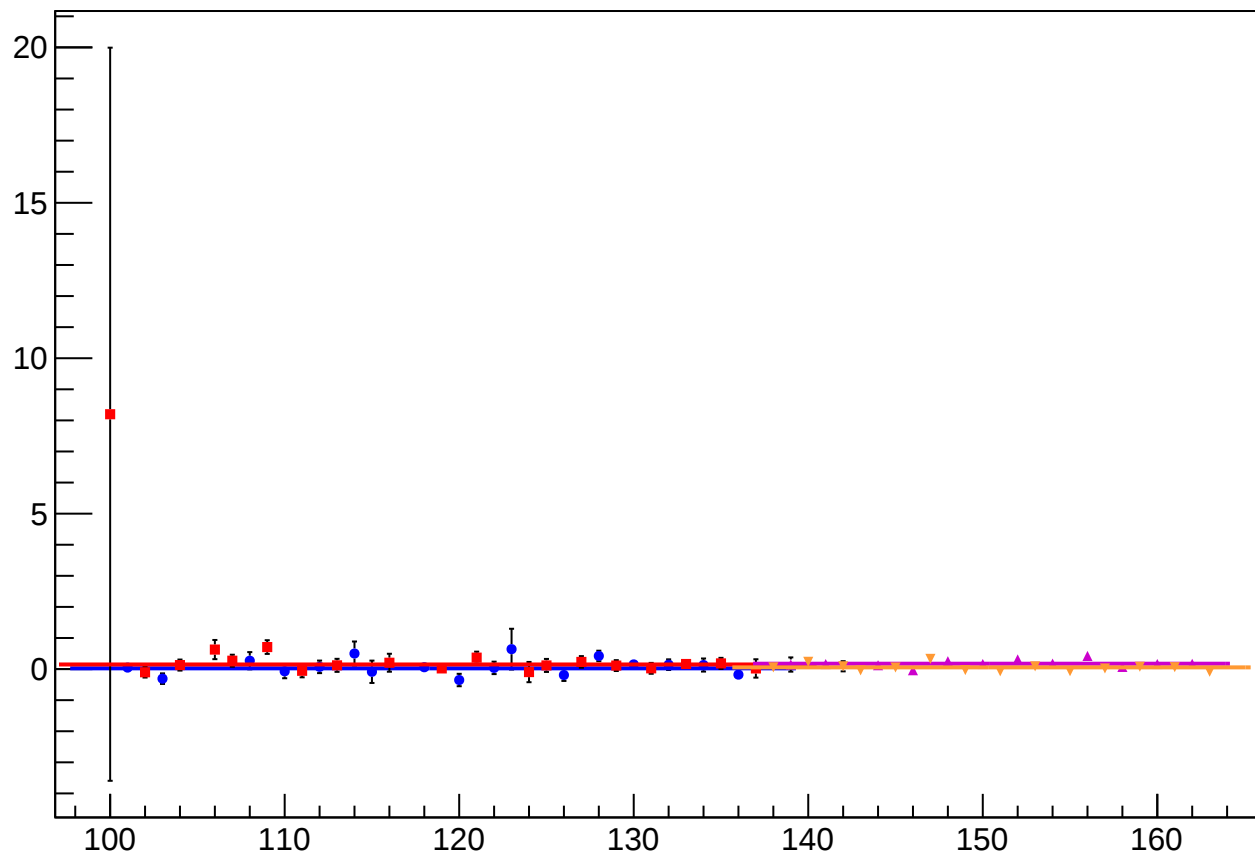
Right: -0.150 ± 0.049 $\chi^2/\text{NDF}: 38.2/35$

In: -0.029 ± 0.035 $\chi^2/\text{NDF}: 38.1/28$

Out: -0.026 ± 0.034 $\chi^2/\text{NDF}: 38.2/32$

All: -0.027 ± 0.025 $\chi^2/\text{NDF}: 76.3/61$

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.023+/-0.043 χ^2/NDF : 21.3/16

Left Out: 0.054+/-0.033 χ^2/NDF : 15.1/13

Right Out: 0.148+/-0.045 χ^2/NDF : 16.6/18

Left In: 0.173+/-0.035 χ^2/NDF : 10.7/11

Left: 0.110+/-0.024 χ^2/NDF : 32.0/25

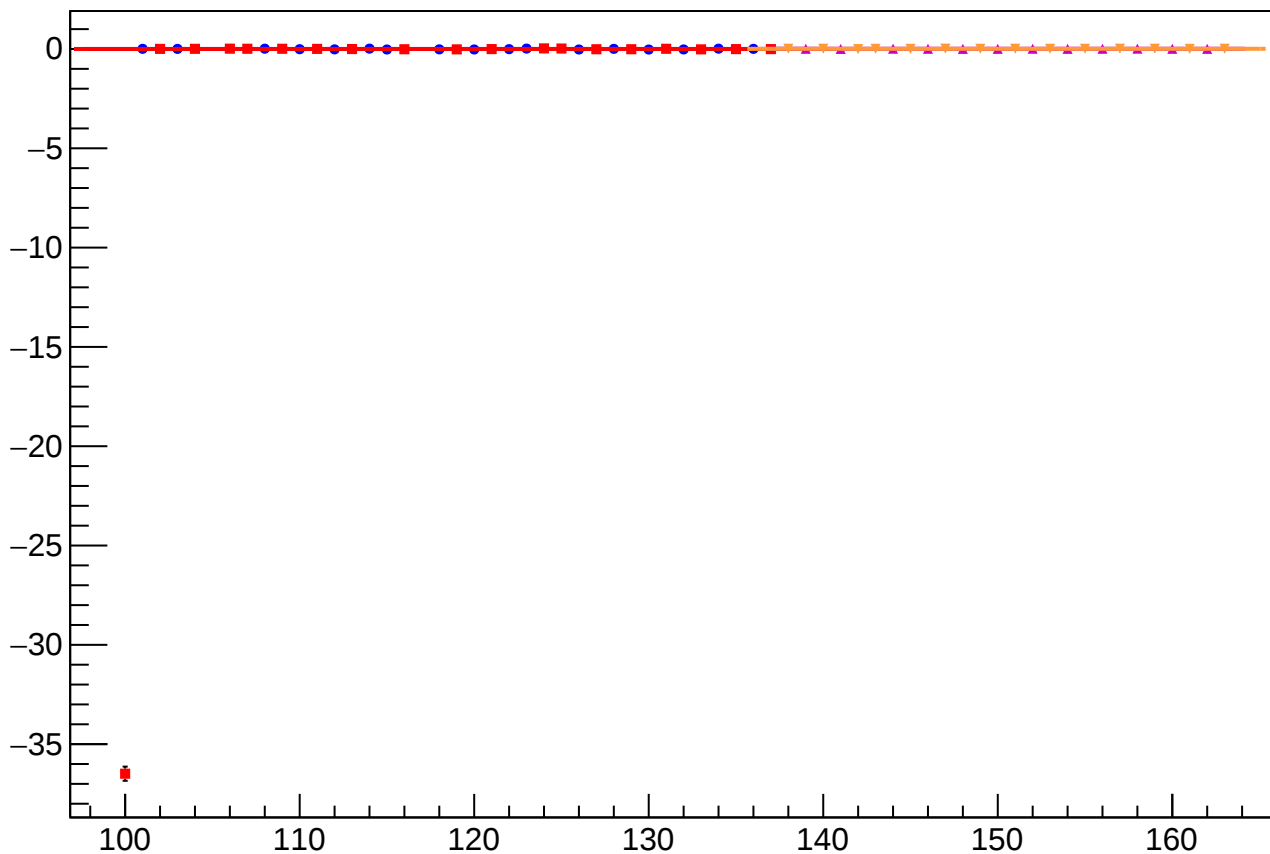
Right: 0.082+/-0.031 χ^2/NDF : 41.9/35

In: 0.113+/-0.027 χ^2/NDF : 39.5/28

Out: 0.086+/-0.027 χ^2/NDF : 34.5/32

All: 0.100+/-0.019 χ^2/NDF : 74.5/61

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: 6.6/13

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/18

Left In: 0.011 $\pm$ 0.002 χ^2 /NDF: 5.1/11

Left: 0.011 $\pm$ 0.001 χ^2 /NDF: 11.7/25

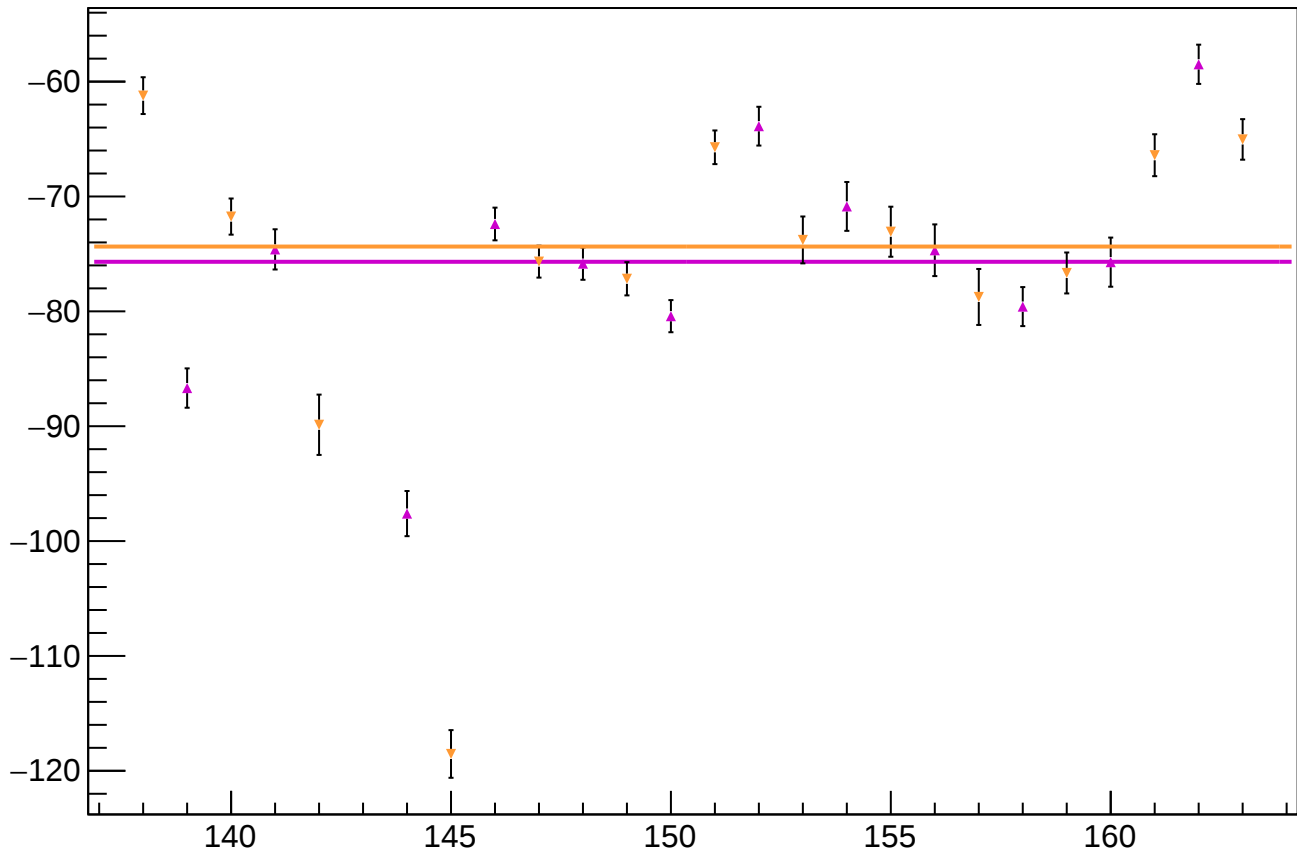
Right: 0.001 $\pm$ 0.002 χ^2 /NDF: 10479.7/35

In: 0.008 $\pm$ 0.001 χ^2 /NDF: 47.0/28

Out: 0.008 $\pm$ 0.001 χ^2 /NDF: 10467.7/32

All: 0.008 $\pm$ 0.001 χ^2 /NDF: 10514.7/61

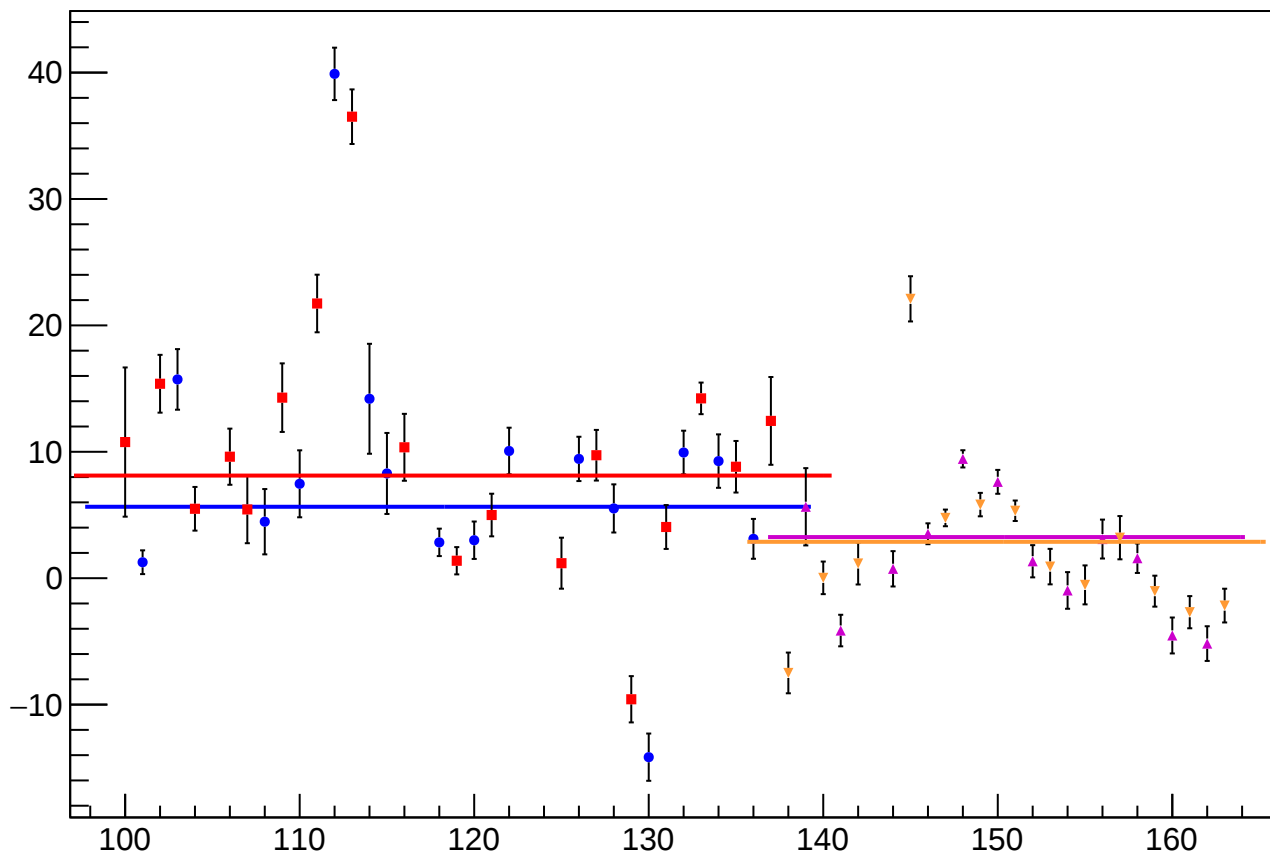
reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -74.359+/-0.489 χ^2/NDF :649.6/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -75.686+/-0.493 χ^2/NDF :343.6/11

Left: -75.017+/-0.347 χ^2/NDF : 996.8/24
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -75.686+/-0.493 χ^2/NDF :343.6/11
 Out: -74.359+/-0.489 χ^2/NDF :649.6/12
 All: -75.017+/-0.347 χ^2/NDF : 996.8/24

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.651 ± 0.429 $\chi^2/\text{NDF}: 461.9/15$

Left Out: 2.879 ± 0.320 $\chi^2/\text{NDF}: 240.9/12$

Right Out: 8.119 ± 0.453 $\chi^2/\text{NDF}: 407.9/17$

Left In: 3.254 ± 0.328 $\chi^2/\text{NDF}: 223.3/11$

Left: 3.061 ± 0.229 $\chi^2/\text{NDF}: 464.9/24$

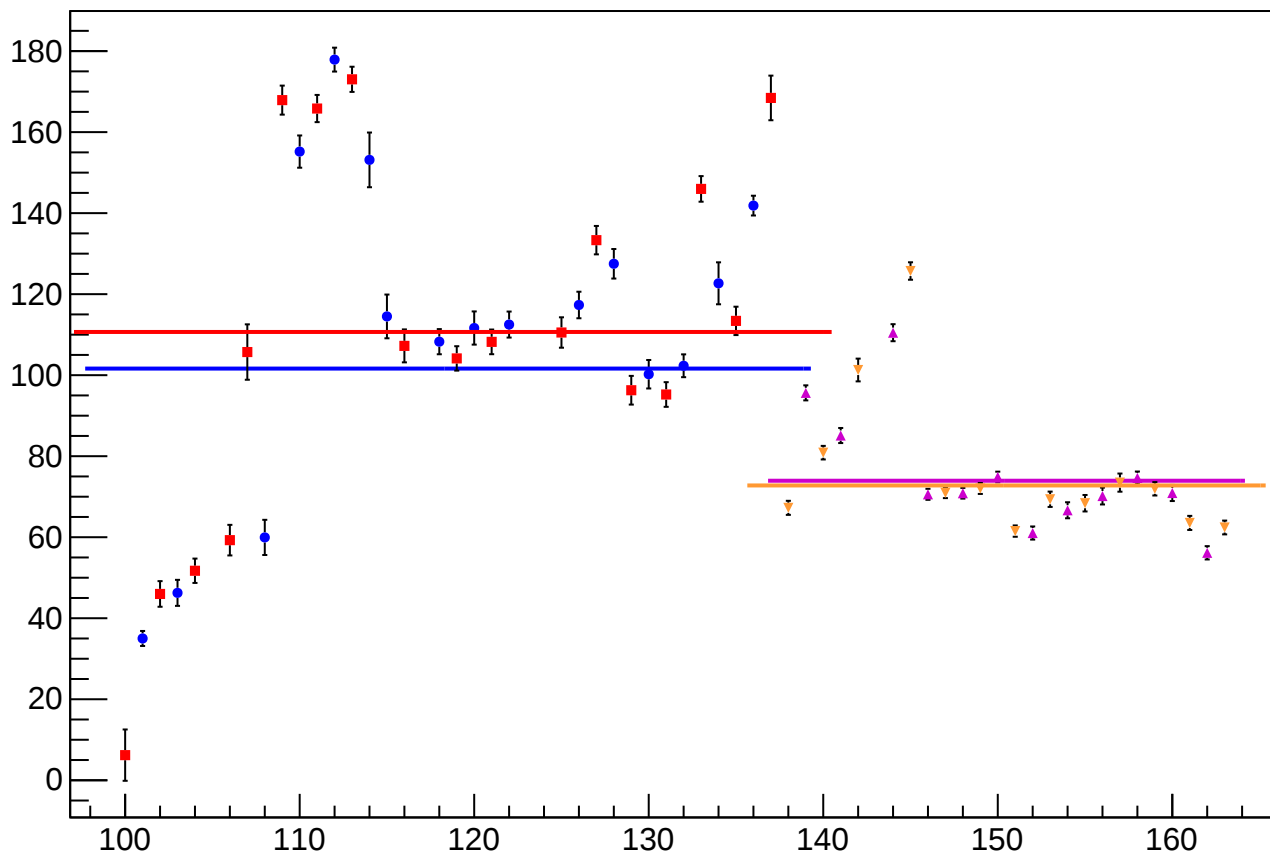
Right: 6.819 ± 0.311 $\chi^2/\text{NDF}: 885.4/33$

In: 4.139 ± 0.261 $\chi^2/\text{NDF}: 704.9/27$

Out: 4.626 ± 0.261 $\chi^2/\text{NDF}: 738.2/30$

All: 4.382 ± 0.185 $\chi^2/\text{NDF}: 1444.8/58$

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: 72.779 $\pm$ 0.474 χ^2 /NDF: 881.0/12

Right Out: 110.669 $\pm$ 0.836 χ^2 /NDF: 2514.0/17

Left In: 73.944 $\pm$ 0.477 χ^2 /NDF: 686.8/11

Left: 73.359 $\pm$ 0.336 χ^2 /NDF: 1570.8/24

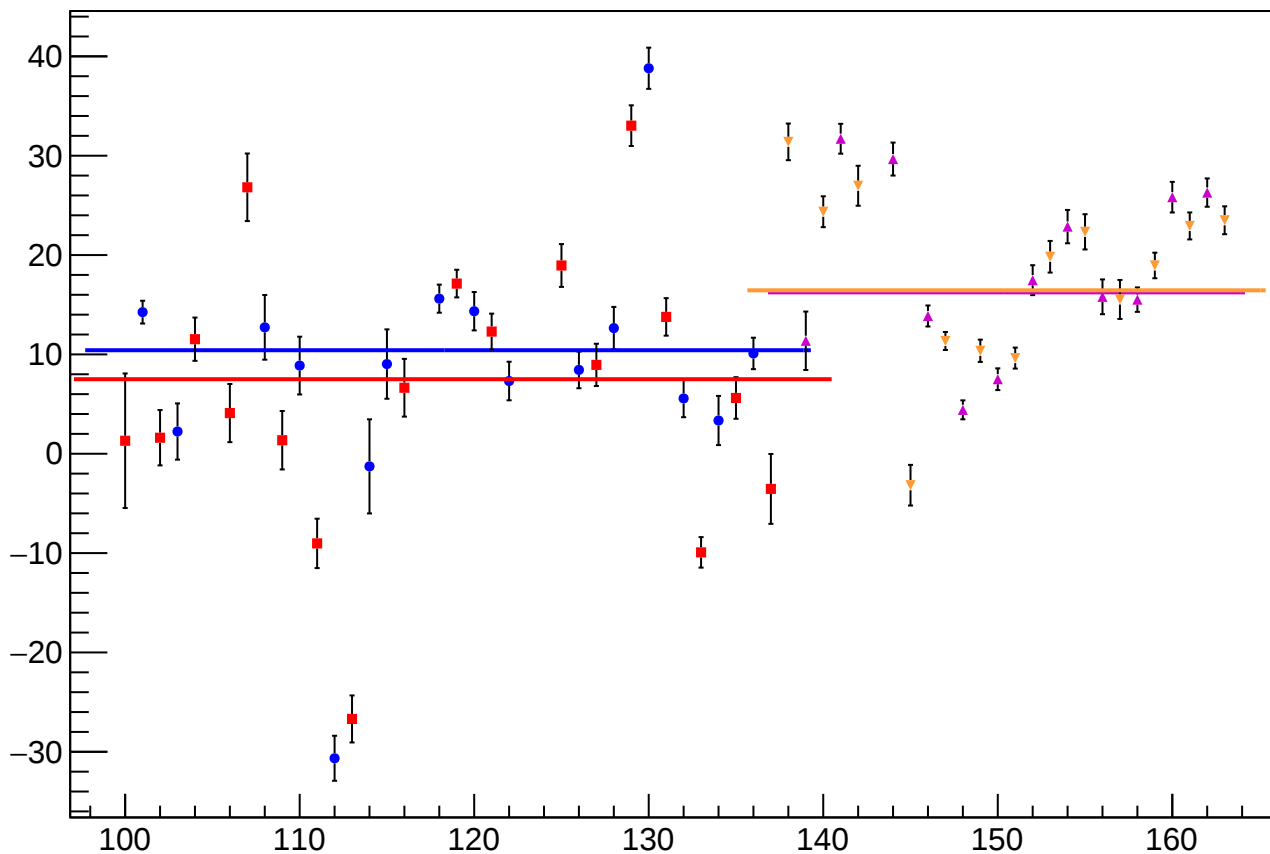
Right: 106.018 $\pm$ 0.583 χ^2 /NDF: 5554.3/33

In: 81.037 $\pm$ 0.411 χ^2 /NDF: 4531.6/27

Out: 82.008 $\pm$ 0.413 χ^2 /NDF: 4948.5/30

All: 81.521 $\pm$ 0.291 χ^2 /NDF: 9482.8/58

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.420 $\pm$ 0.497 χ^2 /NDF: 579.7/15

Left Out: 16.450 $\pm$ 0.386 χ^2 /NDF: 381.0/12

Right Out: 7.502 $\pm$ 0.523 χ^2 /NDF: 689.4/17

Left In: 16.243 $\pm$ 0.394 χ^2 /NDF: 501.5/11

Left: 16.349 $\pm$ 0.276 χ^2 /NDF: 882.6/24

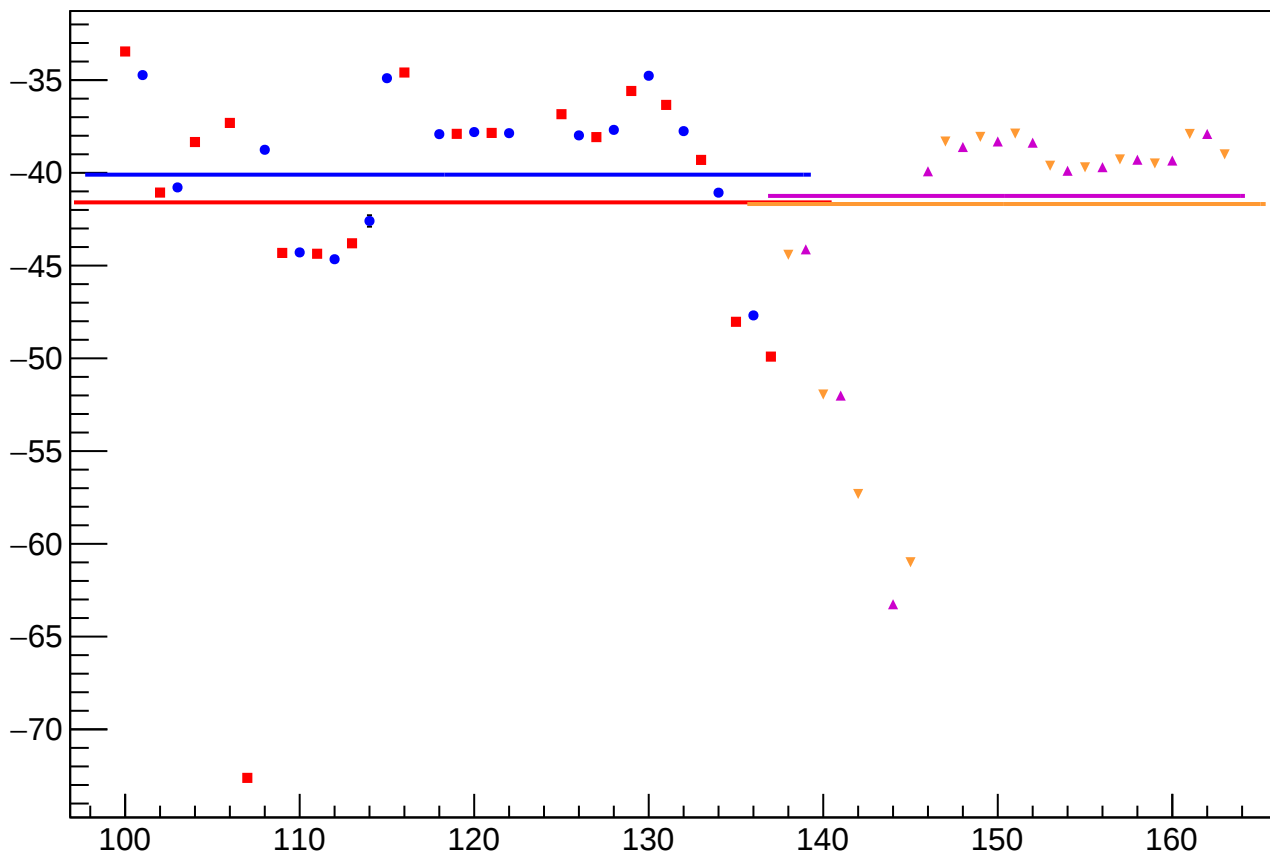
Right: 9.035 $\pm$ 0.360 χ^2 /NDF: 1285.5/33

In: 13.998 $\pm$ 0.309 χ^2 /NDF: 1165.4/27

Out: 13.300 $\pm$ 0.310 χ^2 /NDF: 1259.9/30

All: 13.651 $\pm$ 0.219 χ^2 /NDF: 2427.9/58

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.098 $\pm$ 0.028 χ^2 /NDF: 25073.4/15

Left Out: -41.680 $\pm$ 0.019 χ^2 /NDF:111423.9/12

Right Out: -41.592 $\pm$ 0.029 χ^2 /NDF: 61677.7/17

Left In: -41.244 $\pm$ 0.019 χ^2 /NDF:92173.6/11

Left: -41.461 $\pm$ 0.013 χ^2 /NDF: 203864.0/24

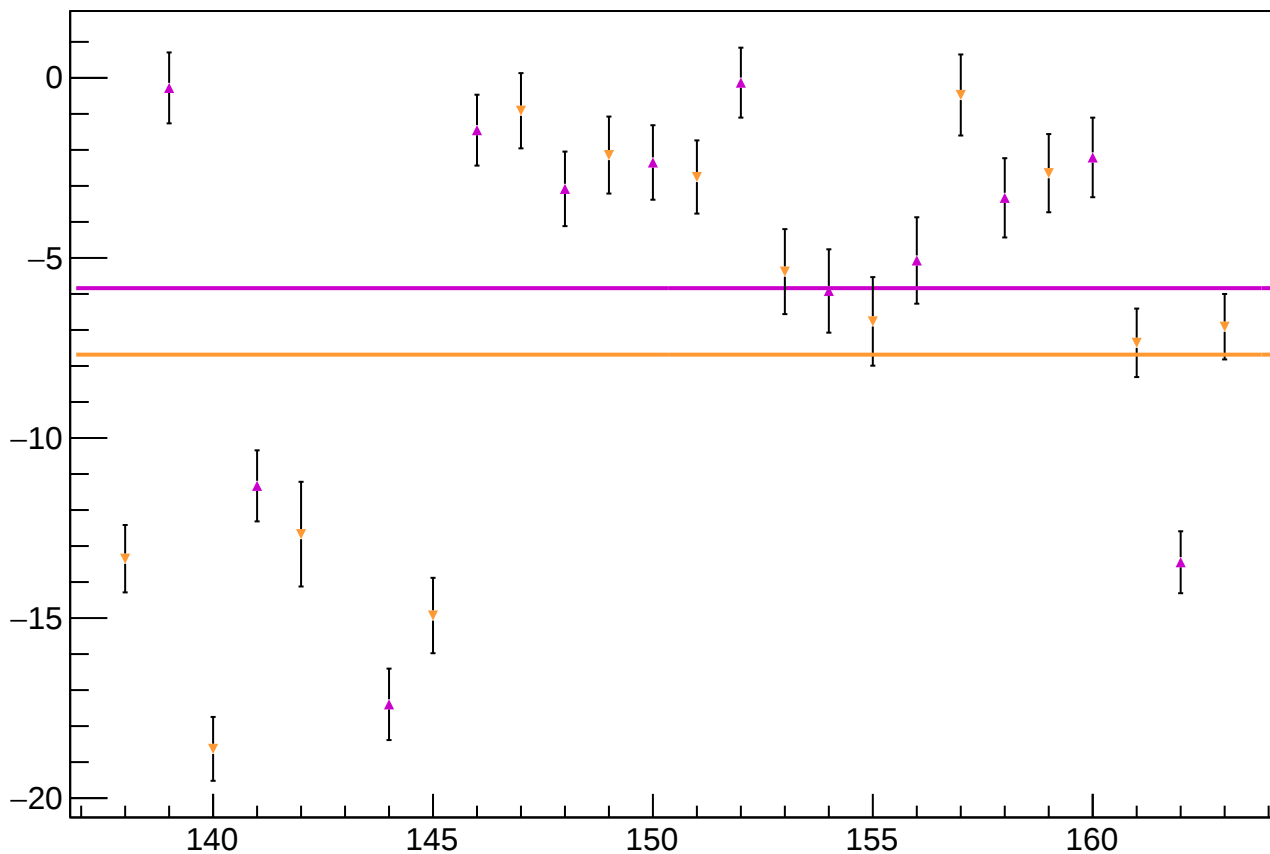
Right: -40.838 $\pm$ 0.020 χ^2 /NDF: 88129.3/33

In: -40.893 $\pm$ 0.016 χ^2 /NDF:118381.9/27

Out: -41.653 $\pm$ 0.016 χ^2 /NDF:173108.2/30

All: -41.270 $\pm$ 0.011 χ^2 /NDF: 292658.0/58

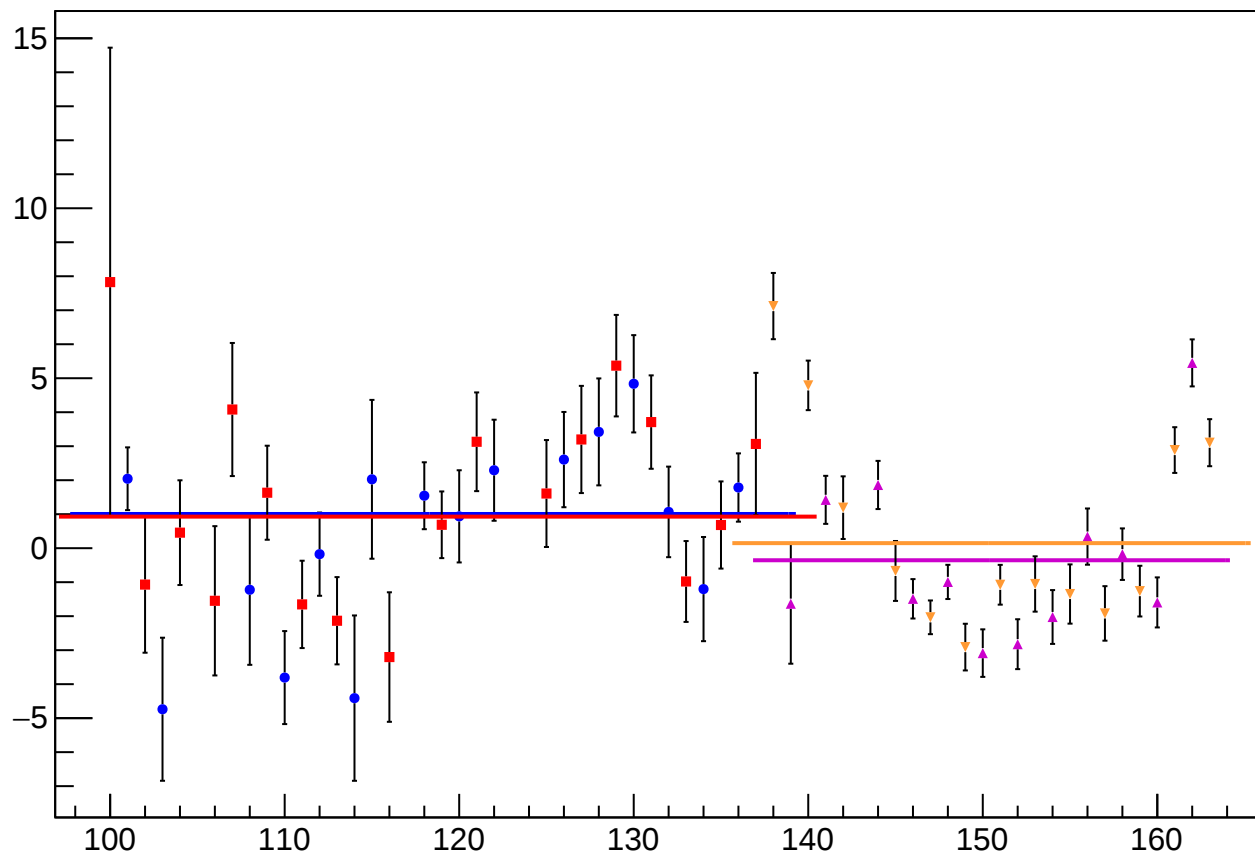
reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -7.685 $\pm$ 0.290 χ^2 /NDF:409.1/12
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -5.839 $\pm$ 0.295 χ^2 /NDF:366.2/11

Left: -6.779 $\pm$ 0.207 χ^2 /NDF: 795.2/24
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -5.839 $\pm$ 0.295 χ^2 /NDF:366.2/11
 Out: -7.685 $\pm$ 0.290 χ^2 /NDF:409.1/12
 All: -6.779 $\pm$ 0.207 χ^2 /NDF: 795.2/24

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.006 $\pm$ 0.342 χ^2 /NDF: 42.7/15

Left Out: 0.149 $\pm$ 0.200 χ^2 /NDF:187.7/12

Right Out: 0.929 $\pm$ 0.353 χ^2 /NDF: 41.9/17

Left In: -0.355 $\pm$ 0.205 χ^2 /NDF:127.1/11

Left: -0.097 $\pm$ 0.143 χ^2 /NDF: 317.9/24

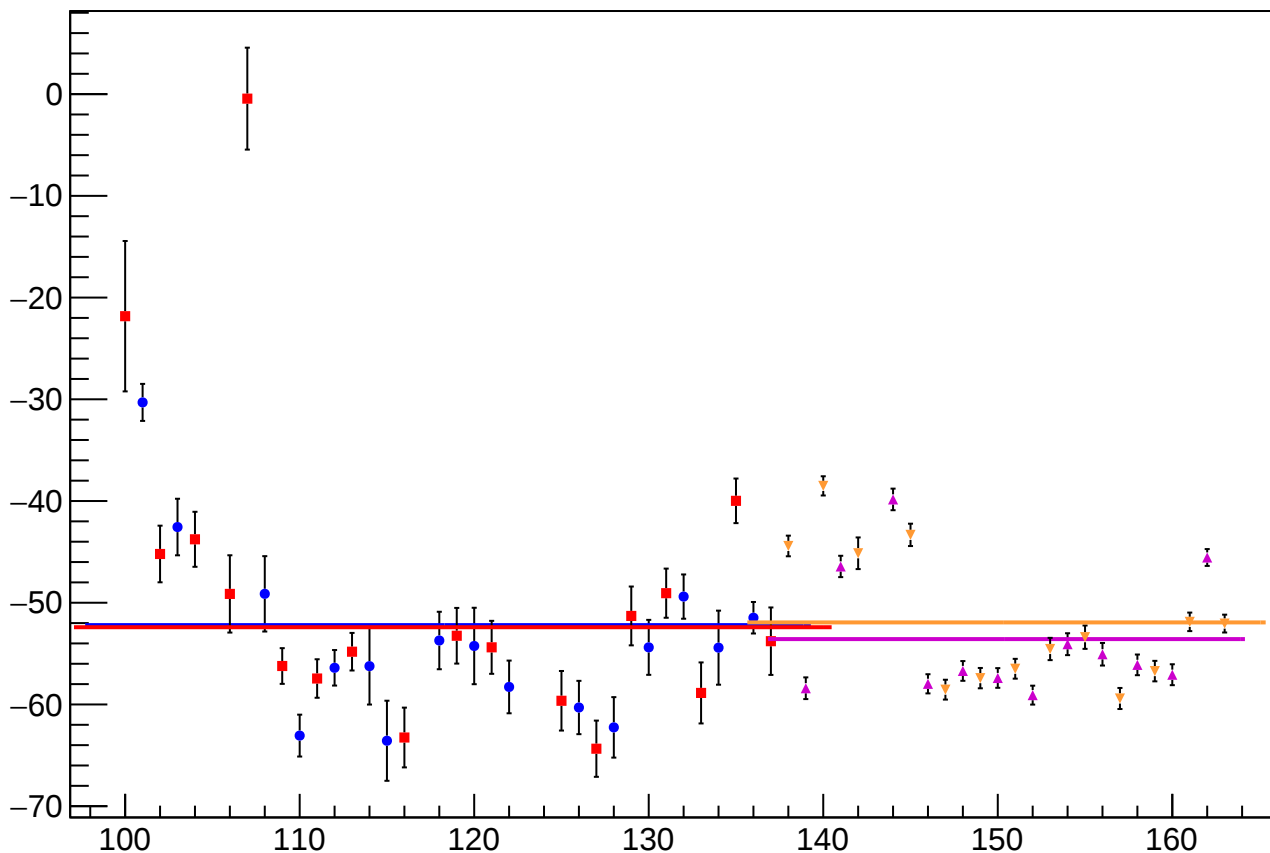
Right: 0.969 $\pm$ 0.246 χ^2 /NDF: 84.6/33

In: 0.005 $\pm$ 0.176 χ^2 /NDF:181.6/27

Out: 0.338 $\pm$ 0.174 χ^2 /NDF:233.2/30

All: 0.173 $\pm$ 0.124 χ^2 /NDF: 416.6/58

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.200 ± 0.615 χ^2/NDF : 230.6/15

Left Out: -51.935 ± 0.283 χ^2/NDF : 517.1/12

Right Out: -52.407 ± 0.616 χ^2/NDF : 233.9/17

Left In: -53.574 ± 0.287 χ^2/NDF : 430.9/11

Left: -52.744 ± 0.202 χ^2/NDF : 964.5/24

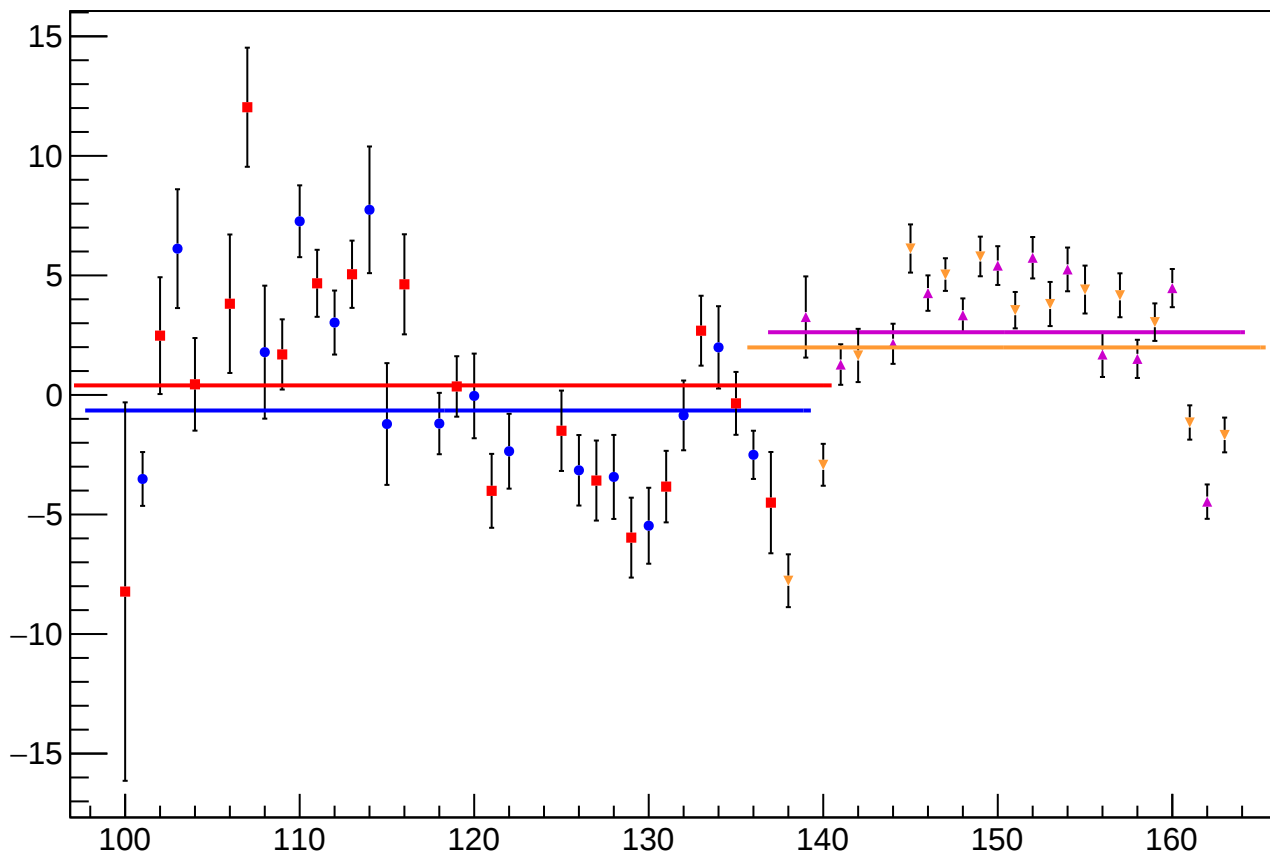
Right: -52.303 ± 0.435 χ^2/NDF : 464.6/33

In: -53.328 ± 0.260 χ^2/NDF : 665.6/27

Out: -52.017 ± 0.257 χ^2/NDF : 751.5/30

All: -52.666 ± 0.183 χ^2/NDF : 1430.0/58

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: 1.988 ± 0.235 χ^2/NDF : 233.2/12

Right Out: 0.400 ± 0.399 χ^2/NDF : 95.9/17

Left In: 2.623 ± 0.241 χ^2/NDF : 147.3/11

Left: 2.298 ± 0.168 χ^2/NDF : 384.0/24

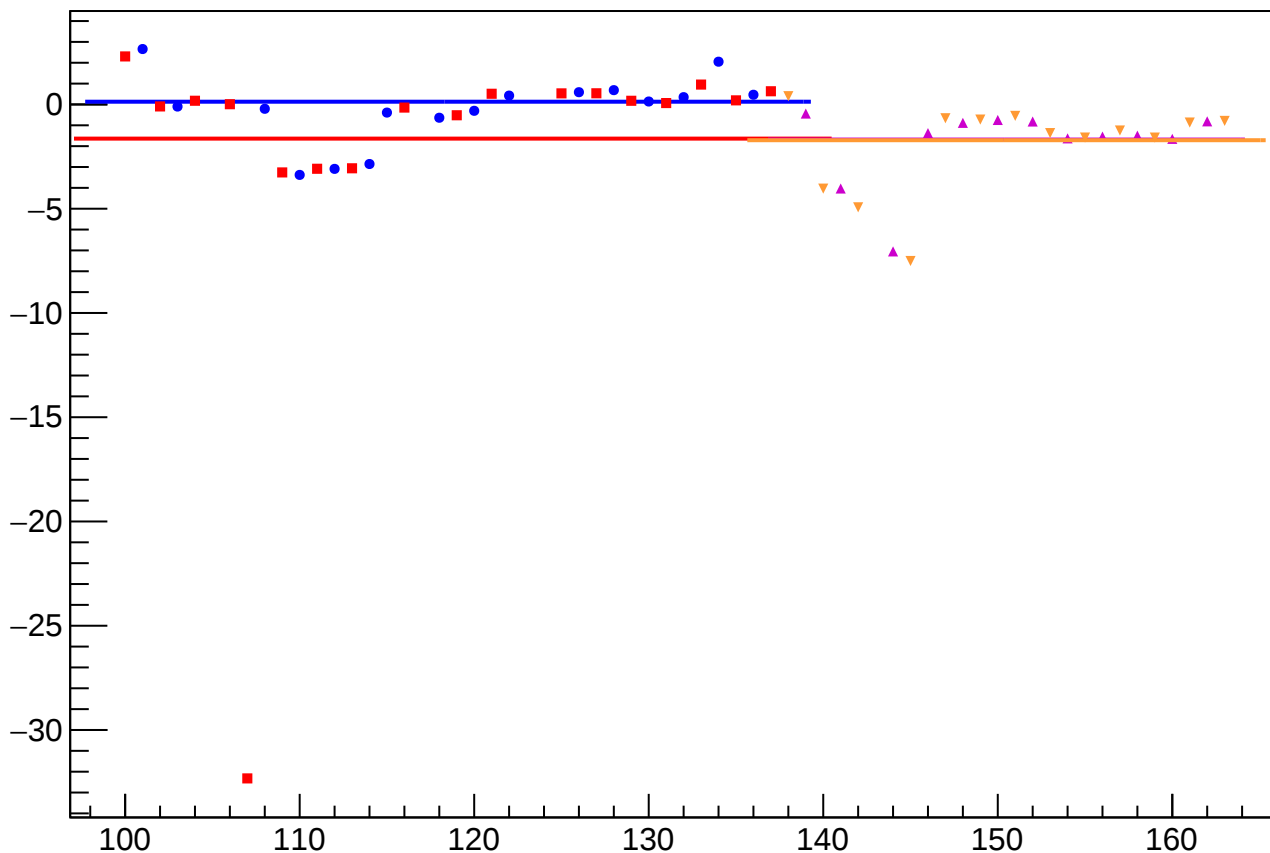
Right: -0.142 ± 0.278 χ^2/NDF : 181.4/33

In: 1.709 ± 0.204 χ^2/NDF : 280.8/27

Out: 1.579 ± 0.203 χ^2/NDF : 340.8/30

All: 1.643 ± 0.144 χ^2/NDF : 621.8/58

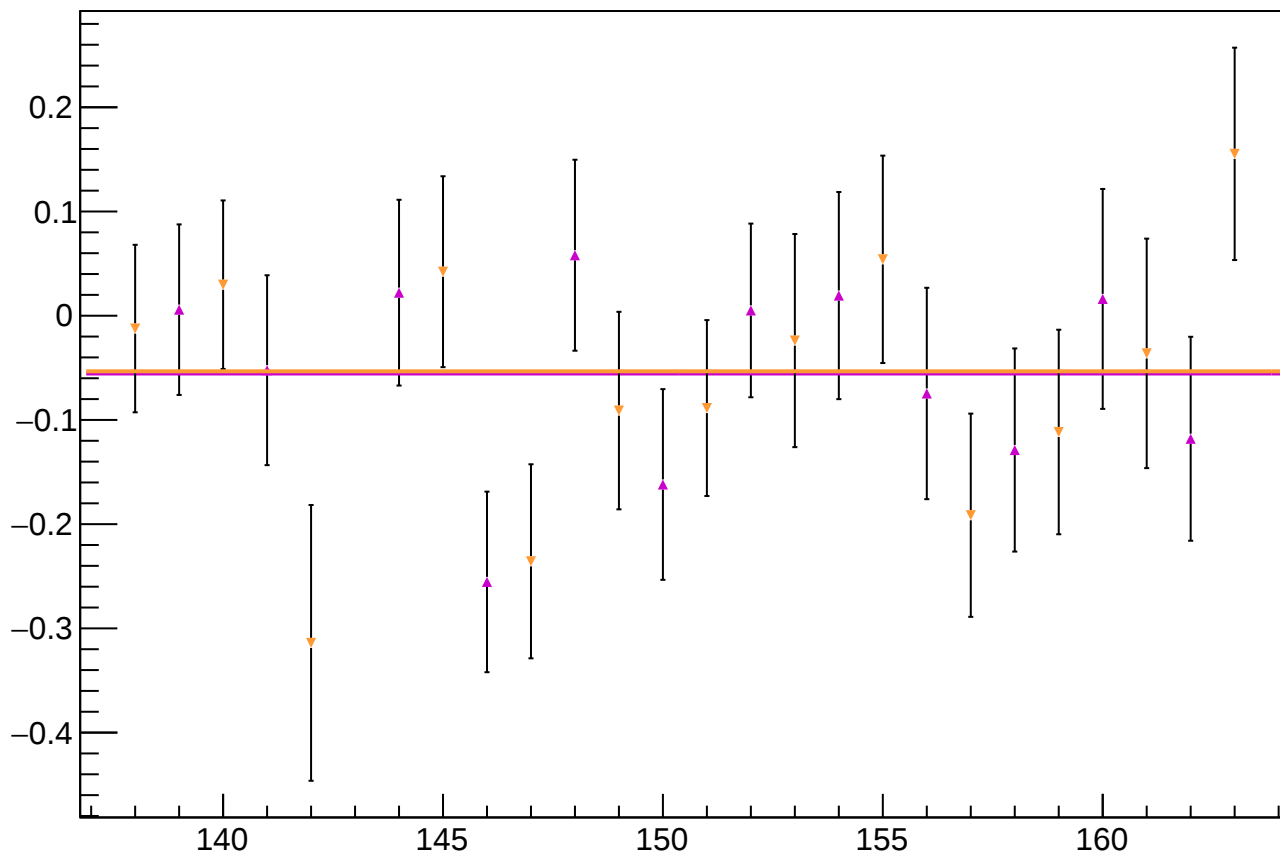
reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.132 ± 0.022 $\chi^2/\text{NDF}: 5247.5/15$
 Left Out: -1.715 ± 0.011 $\chi^2/\text{NDF}: 30098.3/12$
 Right Out: -1.638 ± 0.022 $\chi^2/\text{NDF}: 77848.3/17$
 Left In: -1.683 ± 0.011 $\chi^2/\text{NDF}: 19812.5/11$

Left: -1.699 ± 0.008 $\chi^2/\text{NDF}: 49914.9/24$
 Right: -0.742 ± 0.015 $\chi^2/\text{NDF}: 86422.1/33$
 In: -1.298 ± 0.010 $\chi^2/\text{NDF}: 30642.3/27$
 Out: -1.699 ± 0.010 $\chi^2/\text{NDF}: 107956.5/30$
 All: -1.500 ± 0.007 $\chi^2/\text{NDF}: 139419.8/58$

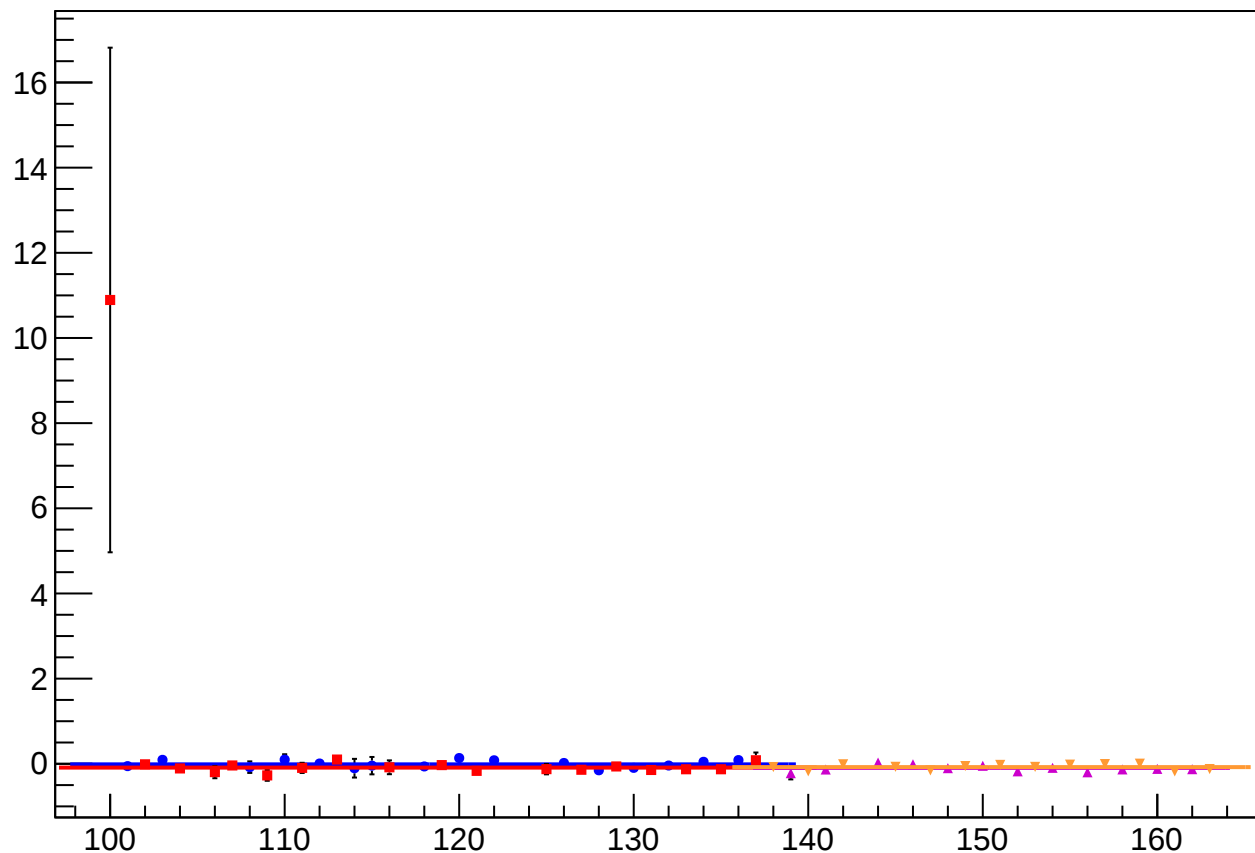
reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.053 $\pm$ 0.026 χ^2 /NDF:18.3/12
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.055 $\pm$ 0.027 χ^2 /NDF:12.1/11

Left: -0.054 $\pm$ 0.019 χ^2 /NDF: 30.4/24
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.055 $\pm$ 0.027 χ^2 /NDF:12.1/11
 Out: -0.053 $\pm$ 0.026 χ^2 /NDF:18.3/12
 All: -0.054 $\pm$ 0.019 χ^2 /NDF: 30.4/24

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: -0.078+/-0.018 χ^2/NDF :12.4/12

Right Out: -0.089+/-0.025 χ^2/NDF : 13.0/17

Left In: -0.096+/-0.018 χ^2/NDF :12.6/11

Left: -0.087+/-0.013 χ^2/NDF : 25.5/24

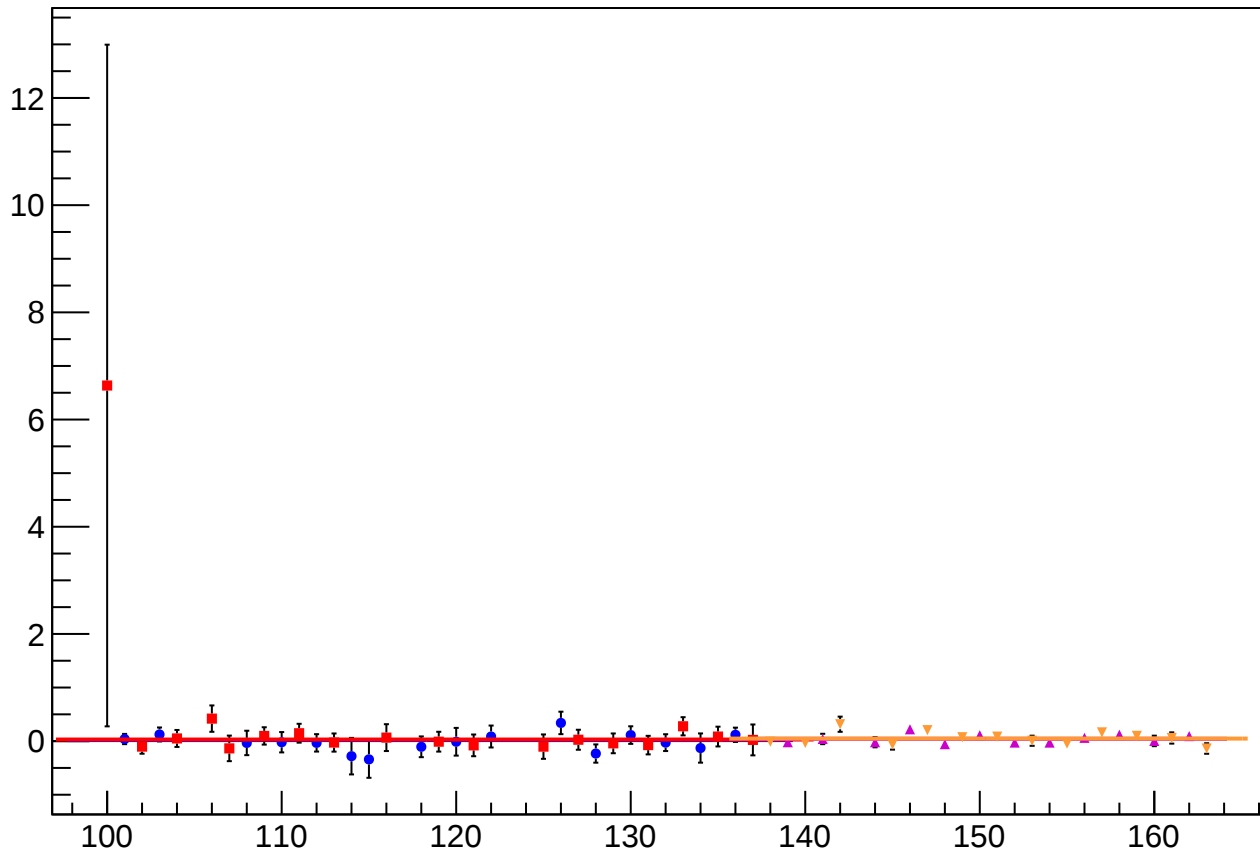
Right: -0.049+/-0.017 χ^2/NDF : 29.6/33

In: -0.064+/-0.015 χ^2/NDF :32.0/27

Out: -0.082+/-0.015 χ^2/NDF :25.5/30

All: -0.073+/-0.010 χ^2/NDF : 58.2/58

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.020 $\pm$ 0.043 χ^2 /NDF: 9.1/15

Left Out: 0.047 $\pm$ 0.026 χ^2 /NDF:16.5/12

Right Out: 0.030 $\pm$ 0.045 χ^2 /NDF: 9.2/17

Left In: 0.043 $\pm$ 0.026 χ^2 /NDF:10.1/11

Left: 0.045 $\pm$ 0.018 χ^2 /NDF: 26.6/24

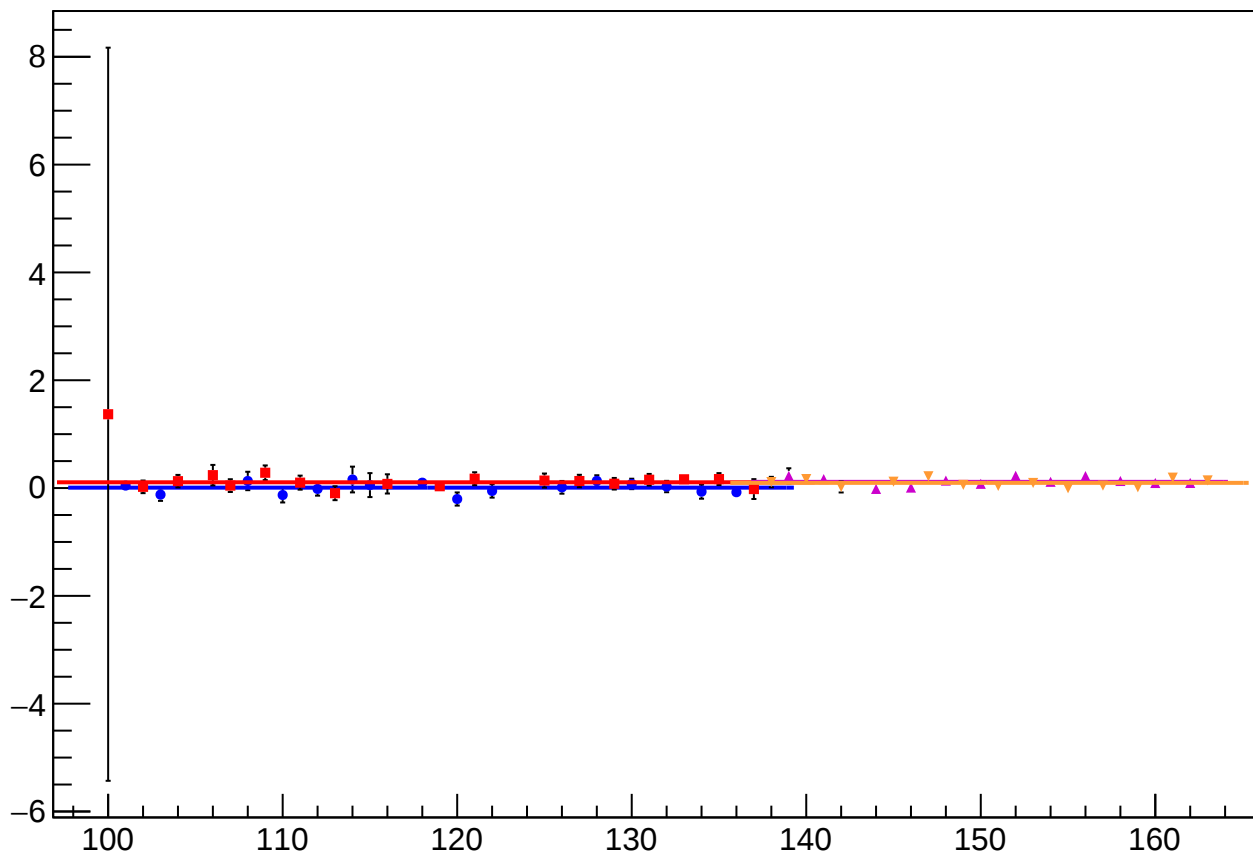
Right: 0.025 $\pm$ 0.031 χ^2 /NDF: 18.3/33

In: 0.037 $\pm$ 0.022 χ^2 /NDF:19.4/27

Out: 0.043 $\pm$ 0.022 χ^2 /NDF:25.8/30

All: 0.040 $\pm$ 0.016 χ^2 /NDF: 45.3/58

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.027 χ^2/NDF : 11.3/15

Left Out: 0.096 $\pm$ 0.022 χ^2/NDF : 11.5/12

Right Out: 0.107 $\pm$ 0.029 χ^2/NDF : 8.2/17

Left In: 0.115 $\pm$ 0.022 χ^2/NDF : 11.4/11

Left: 0.105 $\pm$ 0.015 χ^2/NDF : 23.2/24

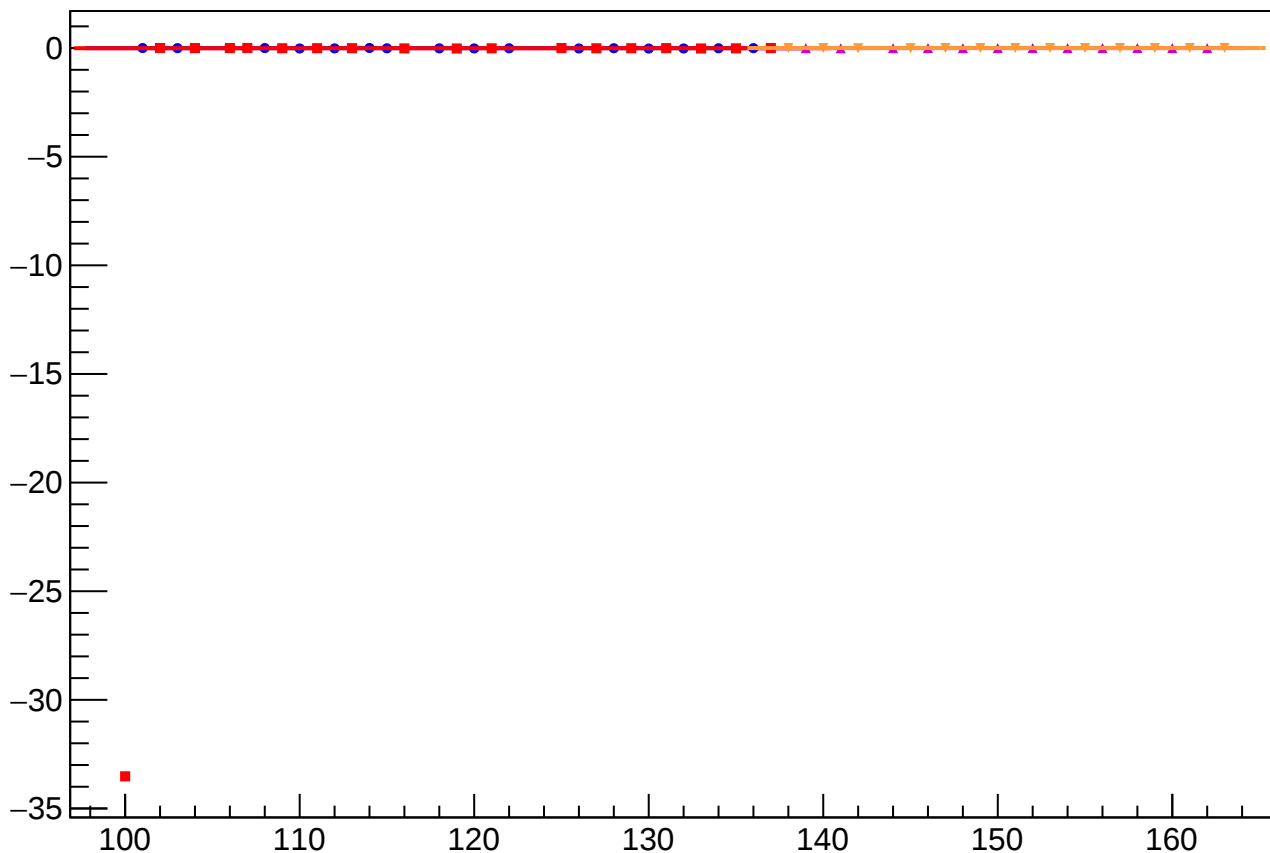
Right: 0.054 $\pm$ 0.020 χ^2/NDF : 25.8/33

In: 0.072 $\pm$ 0.017 χ^2/NDF : 32.1/27

Out: 0.100 $\pm$ 0.017 χ^2/NDF : 19.7/30

All: 0.086 $\pm$ 0.012 χ^2/NDF : 53.2/58

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005 $\pm$ 0.001 χ^2 /NDF: 21.8/15

Left Out: 0.001 $\pm$ 0.001 χ^2 /NDF: 8.4/12

Right Out: -0.006 $\pm$ 0.001 χ^2 /NDF: 26508.7/17

Left In: 0.000 $\pm$ 0.001 χ^2 /NDF: 7.5/11

Left: 0.001 $\pm$ 0.001 χ^2 /NDF: 16.7/24

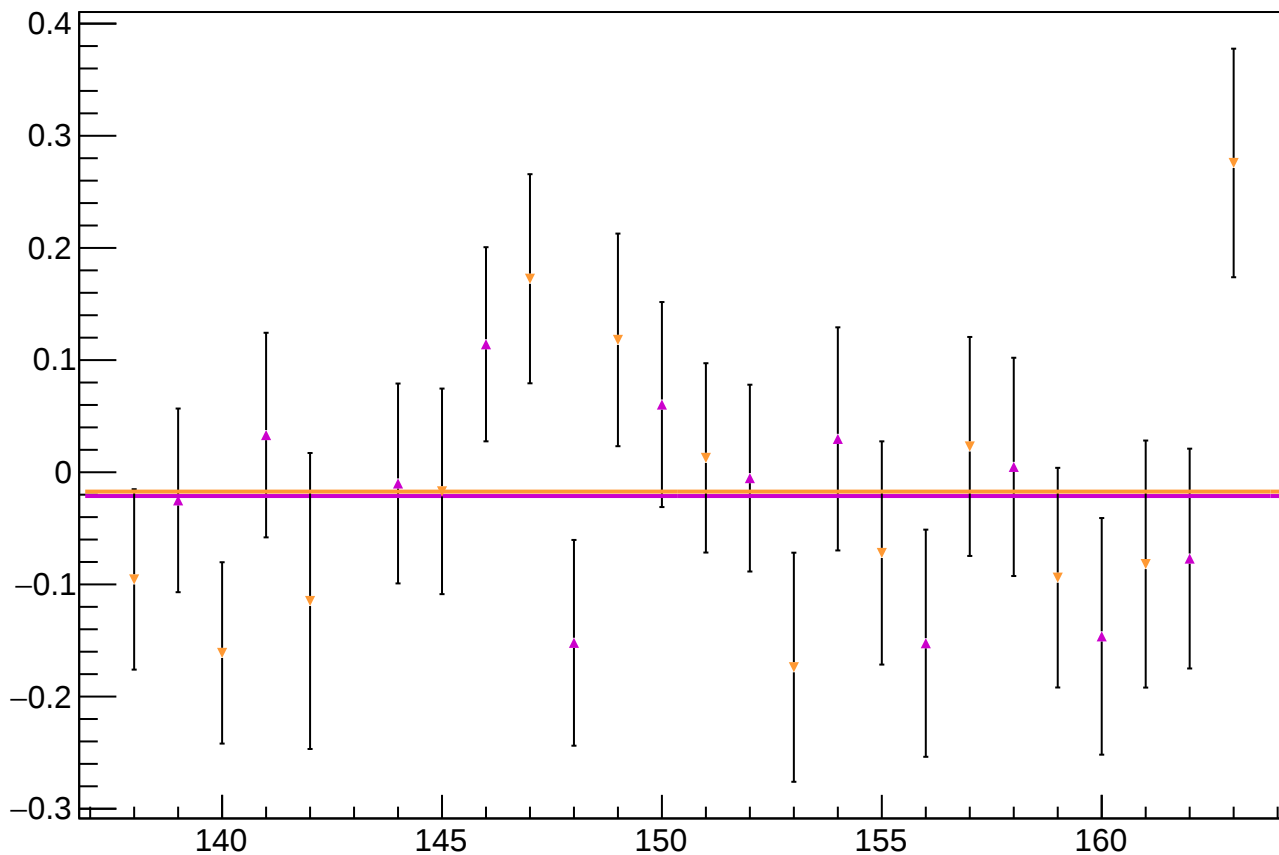
Right: -0.006 $\pm$ 0.001 χ^2 /NDF: 26530.6/33

In: -0.002 $\pm$ 0.001 χ^2 /NDF: 39.0/27

Out: -0.001 $\pm$ 0.001 χ^2 /NDF: 26534.4/30

All: -0.001 $\pm$ 0.001 χ^2 /NDF: 26573.8/58

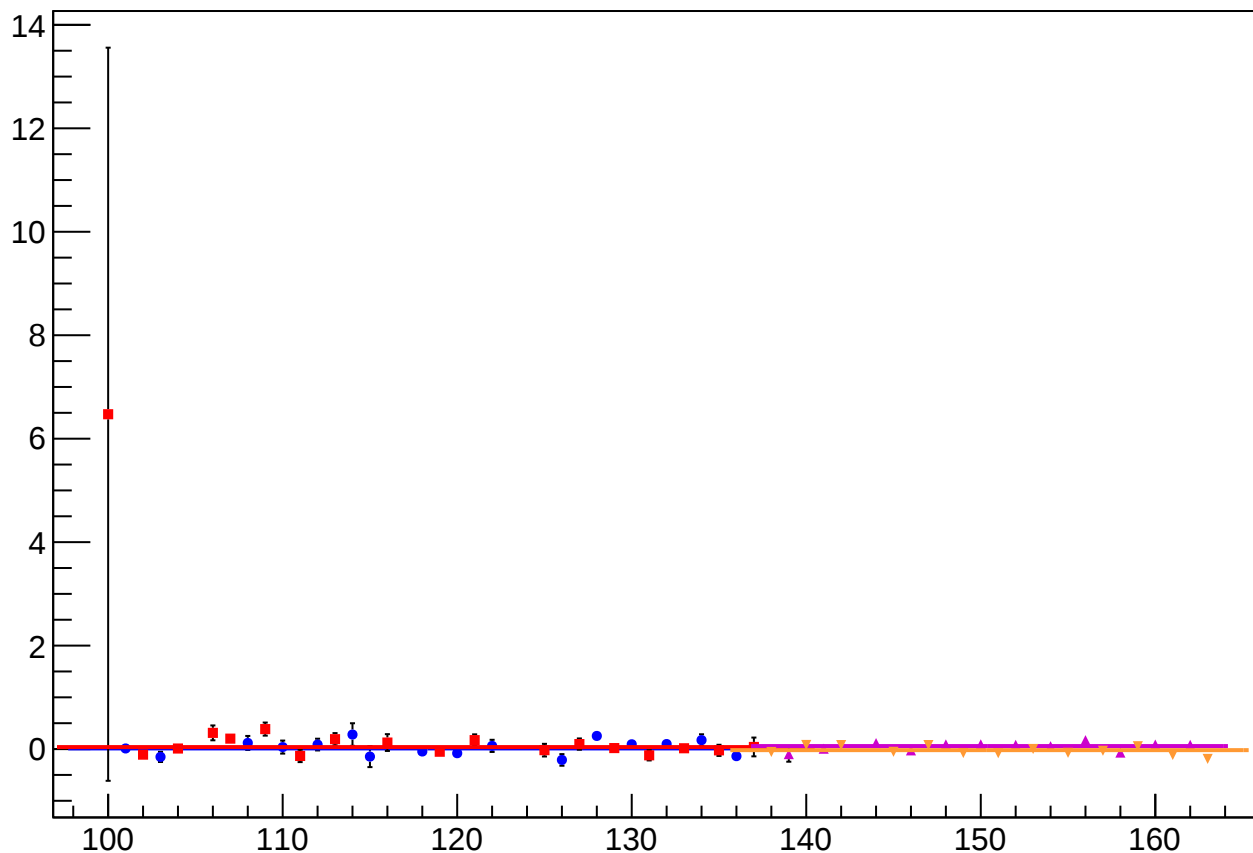
reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.017 $\pm$ 0.026 χ^2 /NDF:23.0/12
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.021 $\pm$ 0.027 χ^2 /NDF:9.4/11

Left: -0.019 $\pm$ 0.019 χ^2 /NDF: 32.5/24
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.021 $\pm$ 0.027 χ^2 /NDF:9.4/11
 Out: -0.017 $\pm$ 0.026 χ^2 /NDF:23.0/12
 All: -0.019 $\pm$ 0.019 χ^2 /NDF: 32.5/24

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.023 χ^2 /NDF: 25.0/15

Left Out: -0.021 $\pm$ 0.018 χ^2 /NDF:19.4/12

Right Out: 0.038 $\pm$ 0.025 χ^2 /NDF: 28.4/17

Left In: 0.058 $\pm$ 0.018 χ^2 /NDF:12.6/11

Left: 0.018 $\pm$ 0.013 χ^2 /NDF: 41.3/24

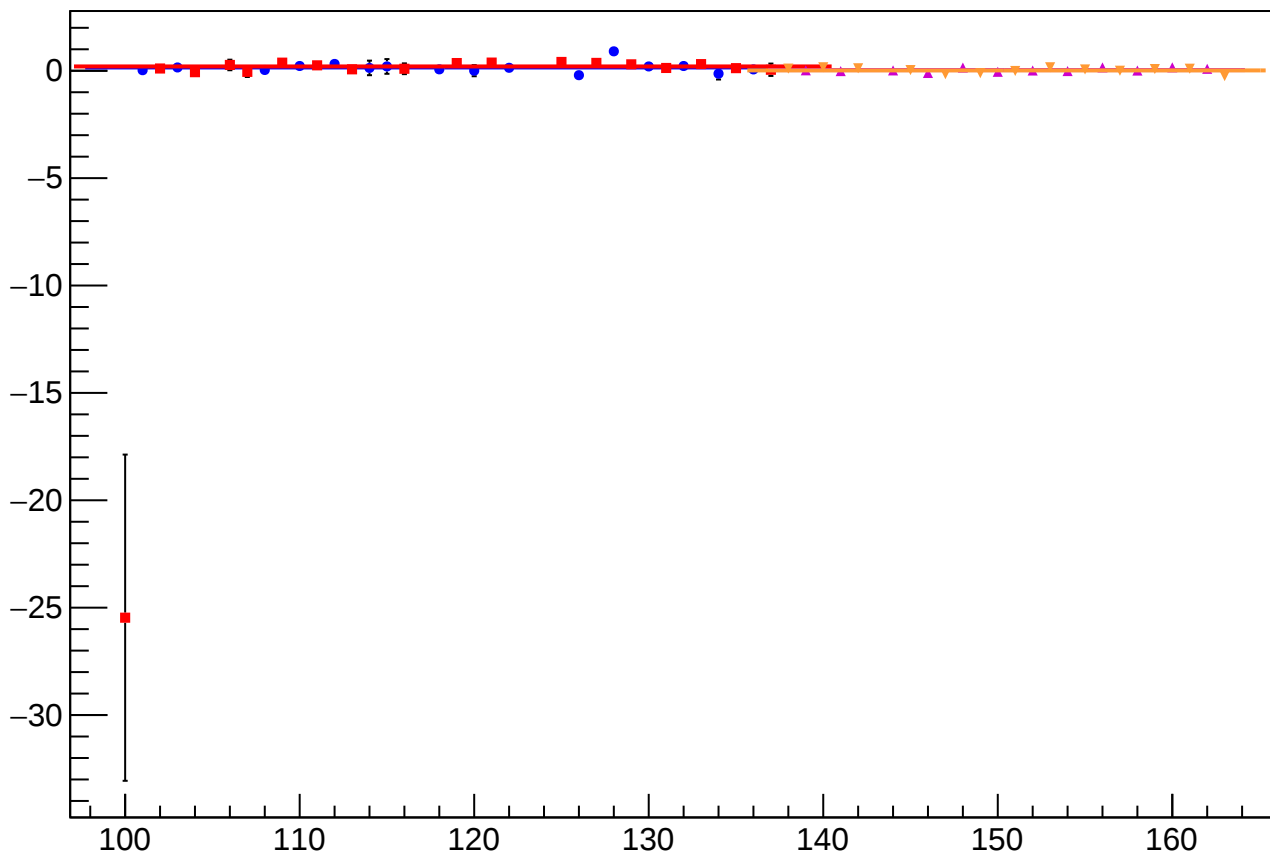
Right: 0.025 $\pm$ 0.017 χ^2 /NDF: 54.0/33

In: 0.040 $\pm$ 0.015 χ^2 /NDF:40.0/27

Out: -0.000 $\pm$ 0.015 χ^2 /NDF:51.5/30

All: 0.020 $\pm$ 0.010 χ^2 /NDF: 95.4/58

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: 0.016+/-0.026 χ^2/NDF : 21.6/12

Right Out: 0.201+/-0.045 χ^2/NDF : 22.6/17

Left In: 0.032+/-0.026 χ^2/NDF : 9.8/11

Left: 0.024+/-0.018 χ^2/NDF : 31.6/24

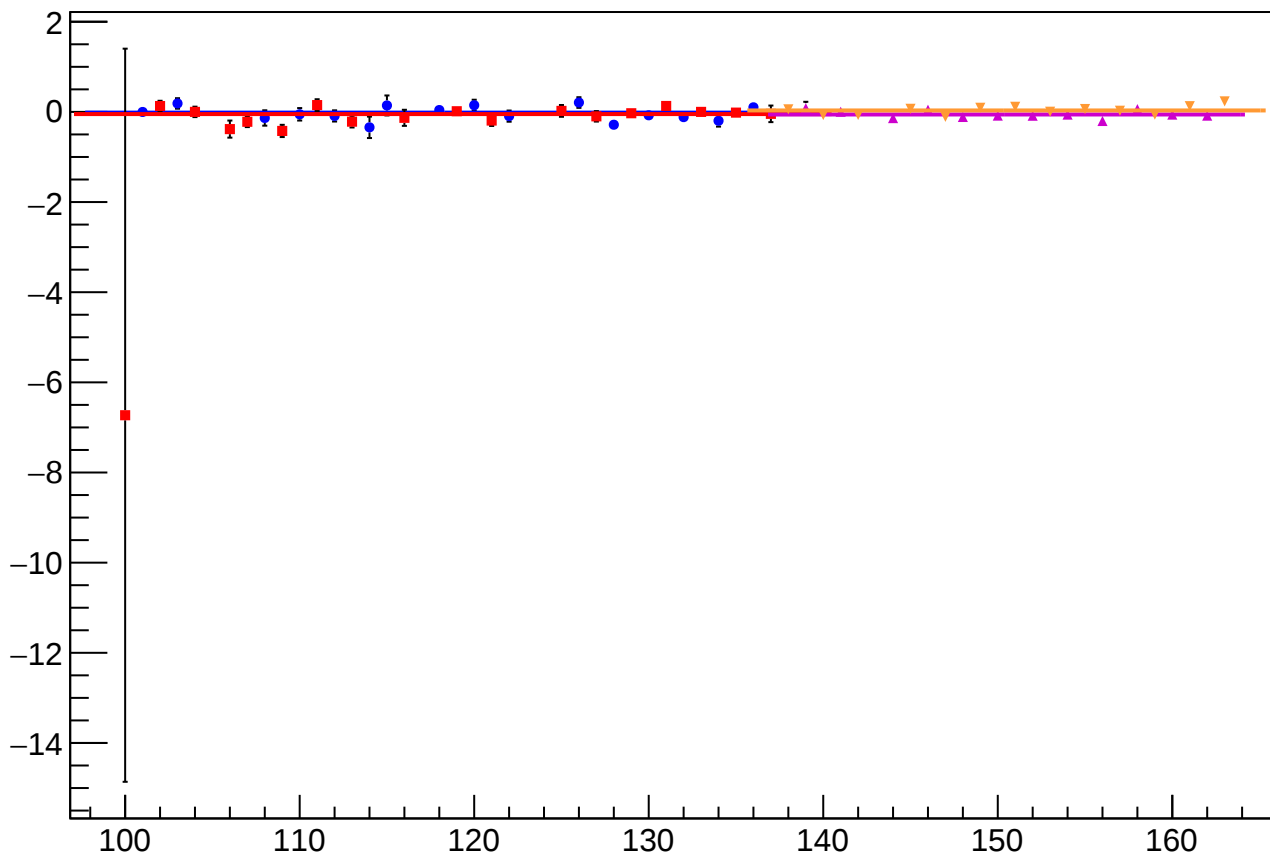
Right: 0.177+/-0.031 χ^2/NDF : 51.1/33

In: 0.065+/-0.022 χ^2/NDF : 43.7/27

Out: 0.062+/-0.022 χ^2/NDF : 56.9/30

All: 0.063+/-0.016 χ^2/NDF : 100.6/58

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: 0.032 ± 0.022 $\chi^2/\text{NDF}: 20.0/12$

Right Out: -0.048 ± 0.029 $\chi^2/\text{NDF}: 25.9/17$

Left In: -0.057 ± 0.022 $\chi^2/\text{NDF}: 12.6/11$

Left: -0.012 ± 0.015 $\chi^2/\text{NDF}: 41.1/24$

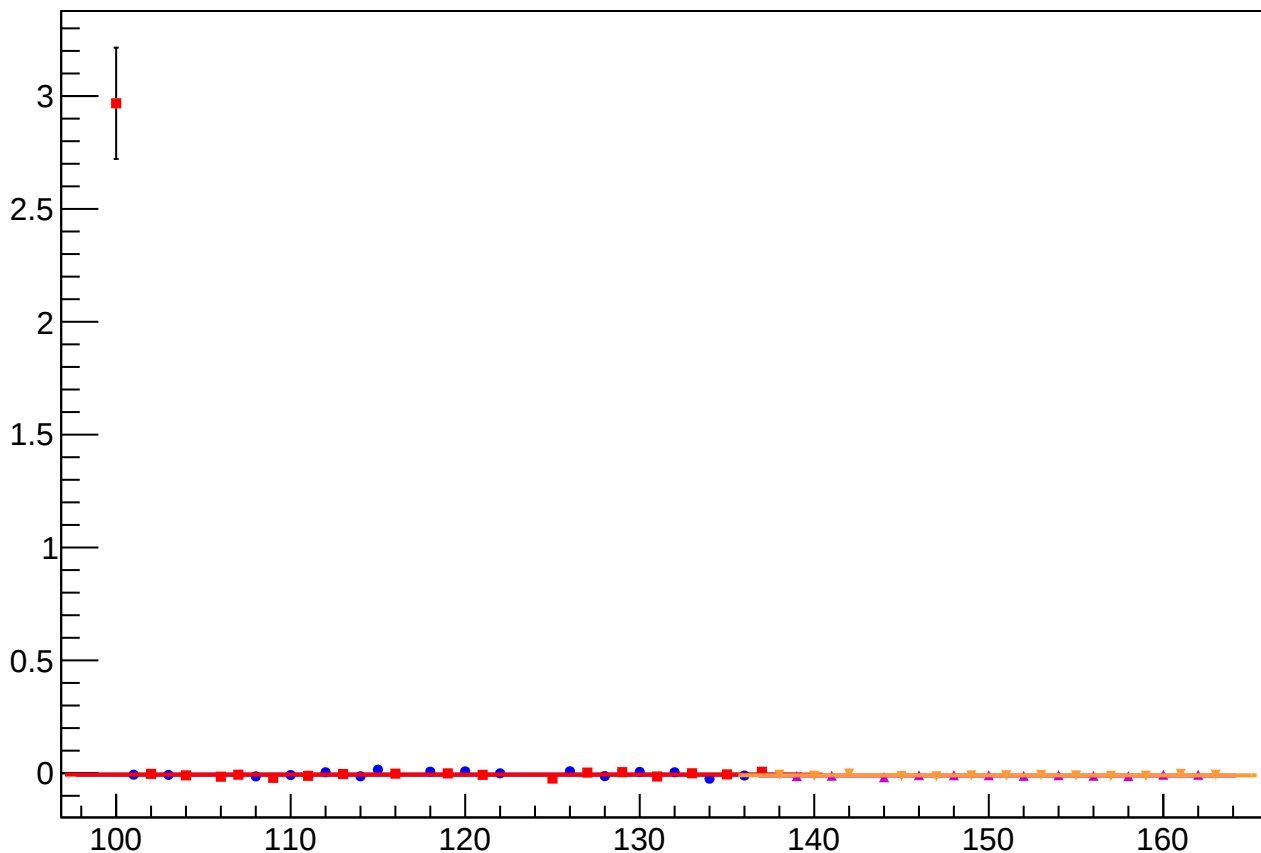
Right: -0.031 ± 0.020 $\chi^2/\text{NDF}: 51.0/33$

In: -0.041 ± 0.017 $\chi^2/\text{NDF}: 38.4/27$

Out: 0.003 ± 0.017 $\chi^2/\text{NDF}: 51.0/30$

All: -0.019 ± 0.012 $\chi^2/\text{NDF}: 92.7/58$

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 : 9.1/12

Right Out: -0.006 ± 0.001 χ^2/NDF : 165.9/17

Left In: -0.010 ± 0.001 χ^2/NDF : 7.3/11

Left: -0.010 ± 0.001 χ^2/NDF : 17.1/24

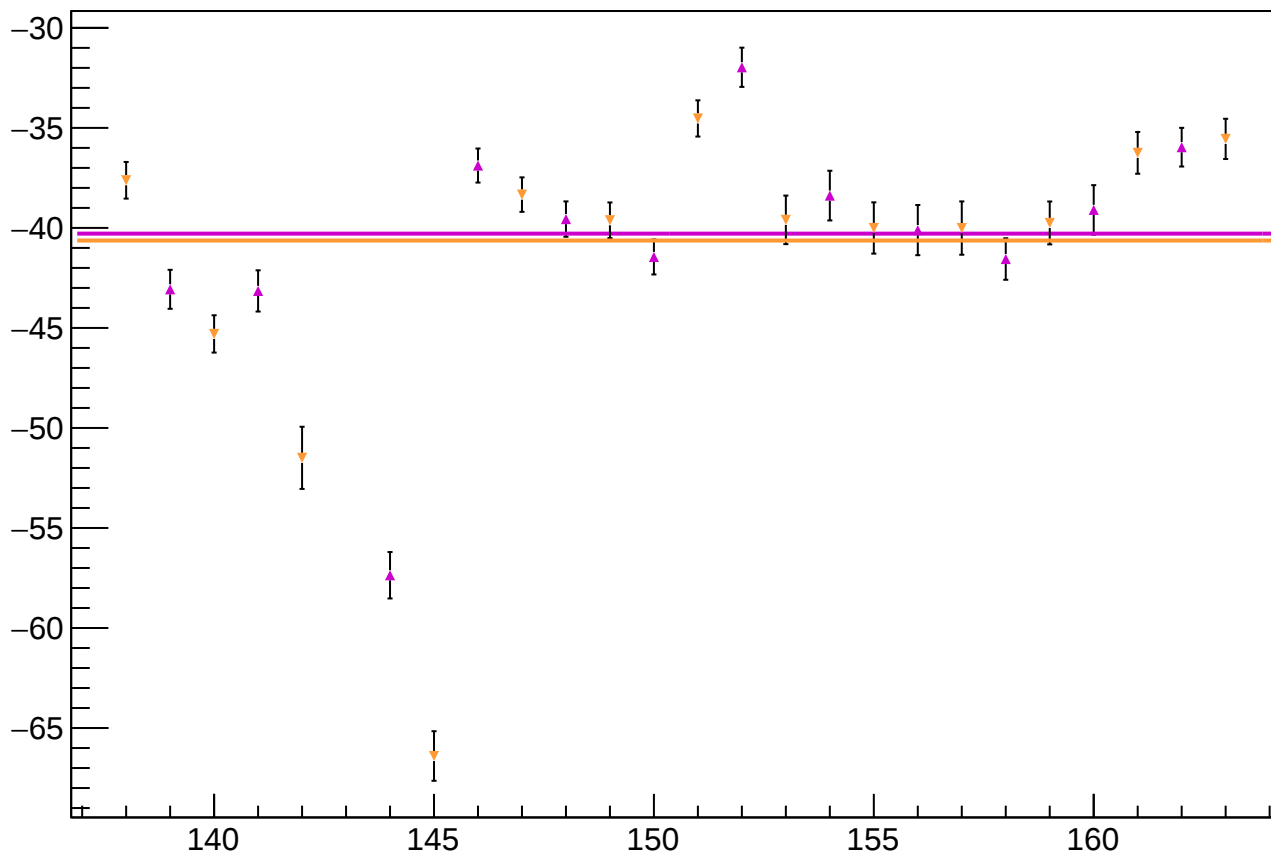
Right: -0.006 ± 0.001 χ^2/NDF : 193.3/33

In: -0.009 ± 0.001 χ^2/NDF : 40.4/27

Out: -0.008 ± 0.001 χ^2/NDF : 178.3/30

All: -0.009 ± 0.001 χ^2/NDF : 219.3/58

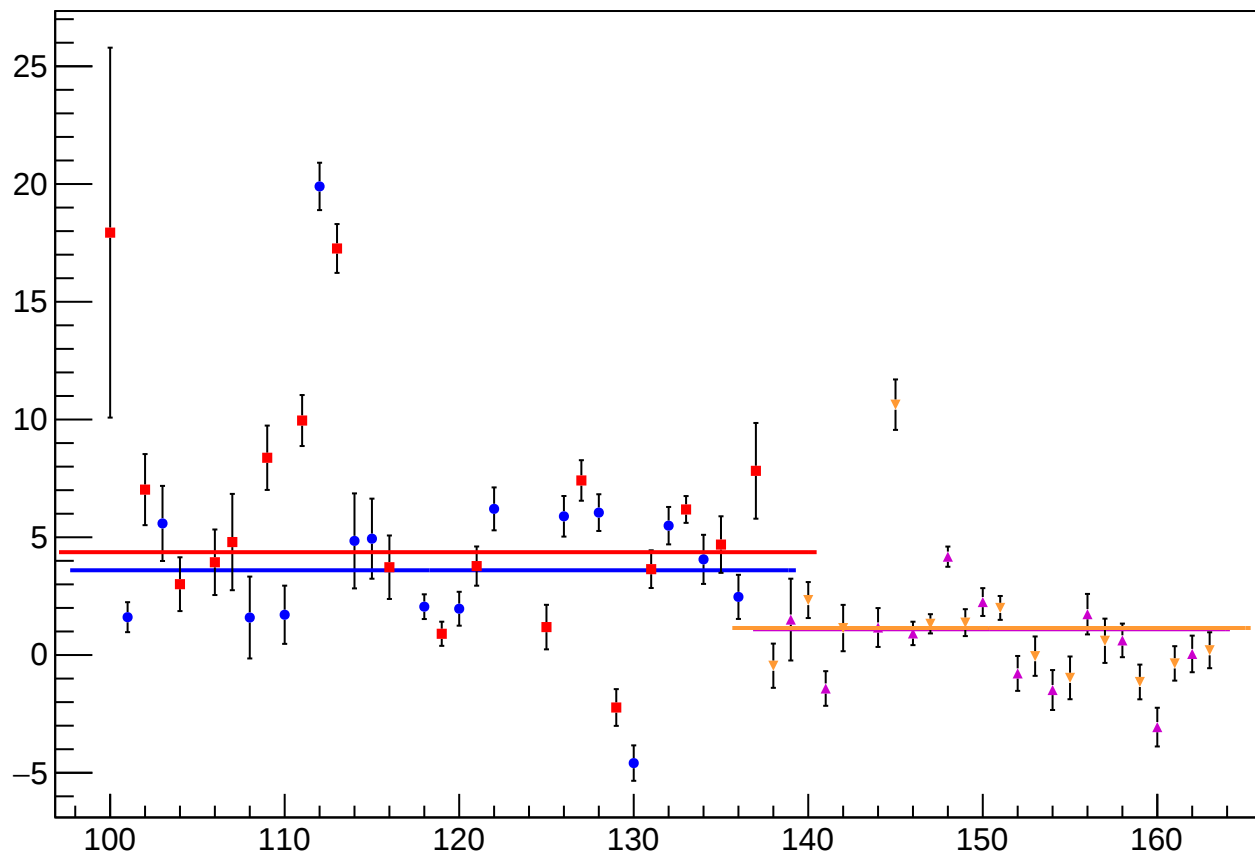
reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -40.630+/-0.290 χ^2/NDF :615.7/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -40.285+/-0.293 χ^2/NDF :347.6/11

Left: -40.459+/-0.206 χ^2/NDF : 964.0/24
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -40.285+/-0.293 χ^2/NDF :347.6/11
 Out: -40.630+/-0.290 χ^2/NDF :615.7/12
 All: -40.459+/-0.206 χ^2/NDF : 964.0/24

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: 1.148 ± 0.193 χ^2/NDF : 110.1/12

Right Out: 4.367 ± 0.225 χ^2/NDF : 353.1/17

Left In: 1.093 ± 0.197 χ^2/NDF : 111.4/11

Left: 1.121 ± 0.138 χ^2/NDF : 221.5/24

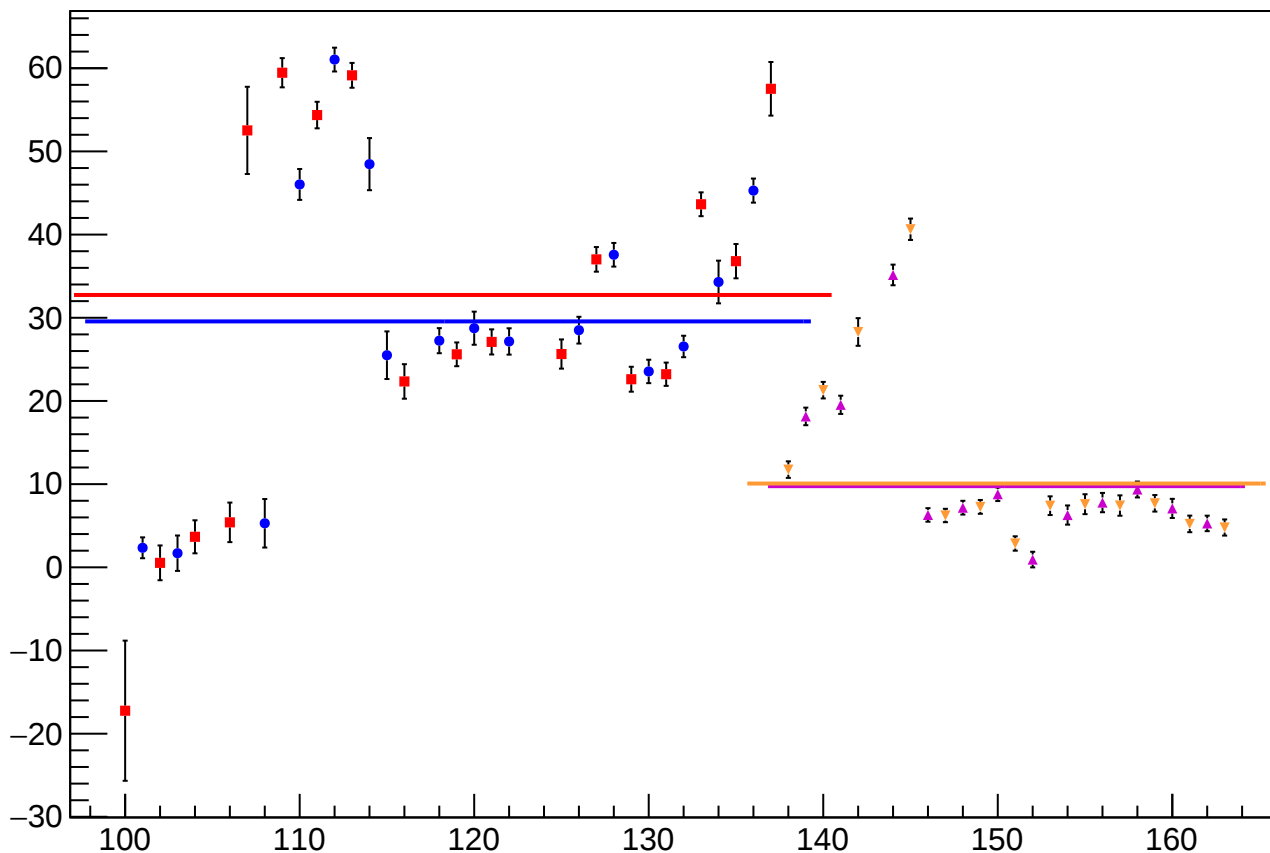
Right: 3.975 ± 0.157 χ^2/NDF : 802.5/33

In: 2.209 ± 0.147 χ^2/NDF : 626.5/27

Out: 2.512 ± 0.146 χ^2/NDF : 581.4/30

All: 2.361 ± 0.104 χ^2/NDF : 1210.0/58

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.564 $\pm$ 0.420 χ^2 /NDF: 1494.6/15

Left Out: 10.074 $\pm$ 0.282 χ^2 /NDF: 992.4/12

Right Out: 32.741 $\pm$ 0.423 χ^2 /NDF: 1663.3/17

Left In: 9.758 $\pm$ 0.283 χ^2 /NDF: 719.6/11

Left: 9.916 $\pm$ 0.200 χ^2 /NDF: 1712.6/24

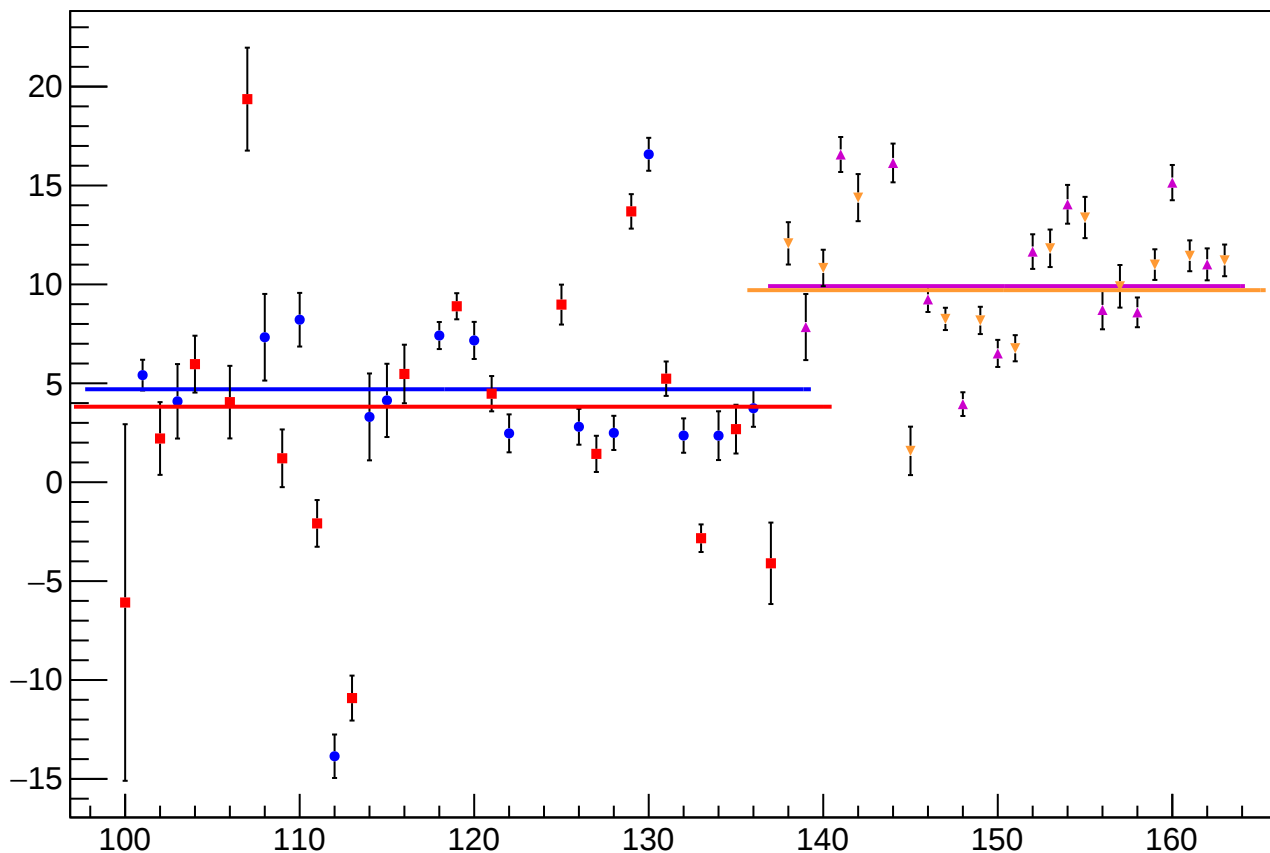
Right: 31.140 $\pm$ 0.298 χ^2 /NDF: 3186.3/33

In: 15.959 $\pm$ 0.235 χ^2 /NDF: 3745.1/27

Out: 17.064 $\pm$ 0.235 χ^2 /NDF: 4644.2/30

All: 16.511 $\pm$ 0.166 χ^2 /NDF: 8400.4/58

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.699 ± 0.254 χ^2/NDF : 548.9/15

Left Out: 9.709 ± 0.231 χ^2/NDF : 125.8/12

Right Out: 3.817 ± 0.258 χ^2/NDF : 567.6/17

Left In: 9.913 ± 0.236 χ^2/NDF : 286.0/11

Left: 9.809 ± 0.165 χ^2/NDF : 412.2/24

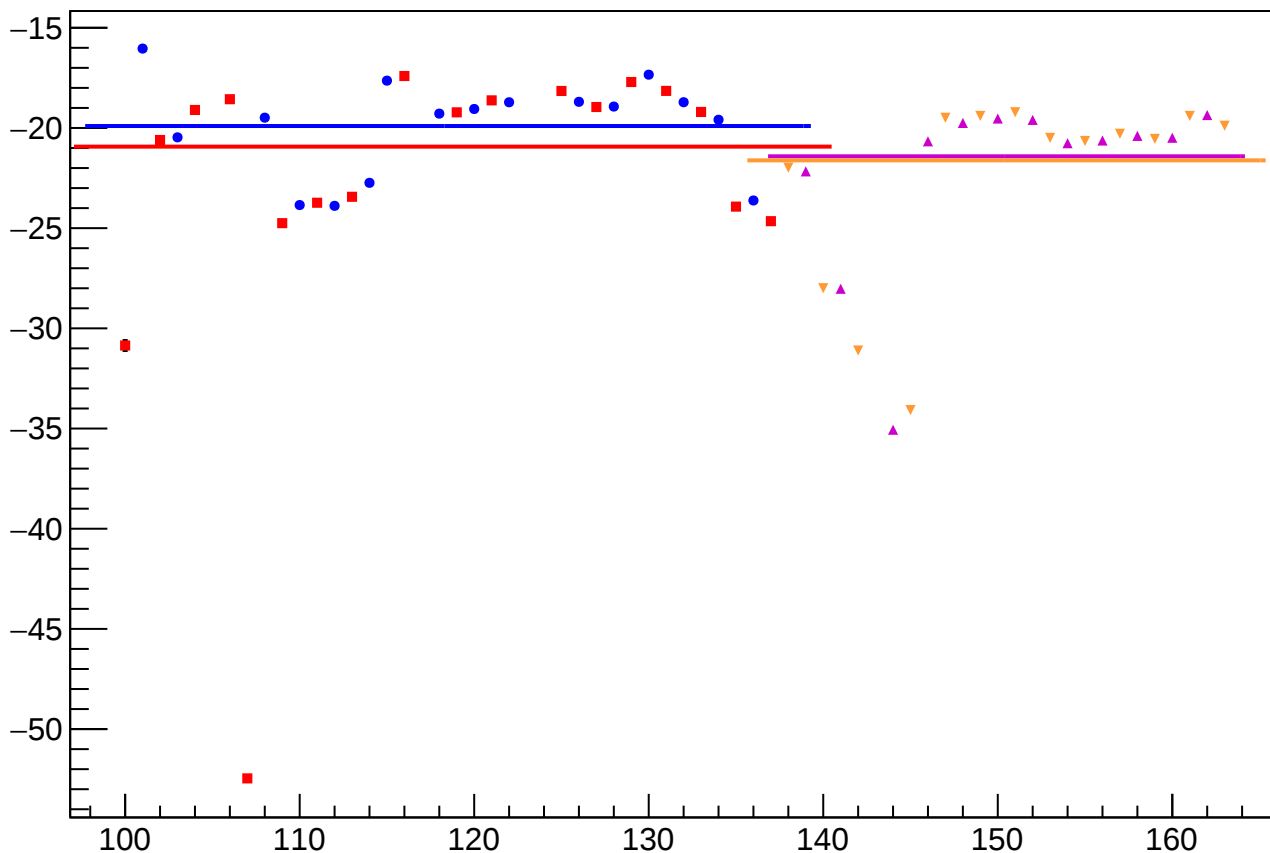
Right: 4.265 ± 0.181 χ^2/NDF : 1122.4/33

In: 7.502 ± 0.173 χ^2/NDF : 1061.5/27

Out: 7.091 ± 0.172 χ^2/NDF : 982.2/30

All: 7.296 ± 0.122 χ^2/NDF : 2046.6/58

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.902 ± 0.016 $\chi^2/\text{NDF}: 26054.0/15$

Left Out: -21.616 ± 0.011 $\chi^2/\text{NDF}: 121704.0/12$

Right Out: -20.931 ± 0.016 $\chi^2/\text{NDF}: 94008.3/17$

Left In: -21.414 ± 0.011 $\chi^2/\text{NDF}: 98528.3/11$

Left: -21.514 ± 0.008 $\chi^2/\text{NDF}: 220396.0/24$

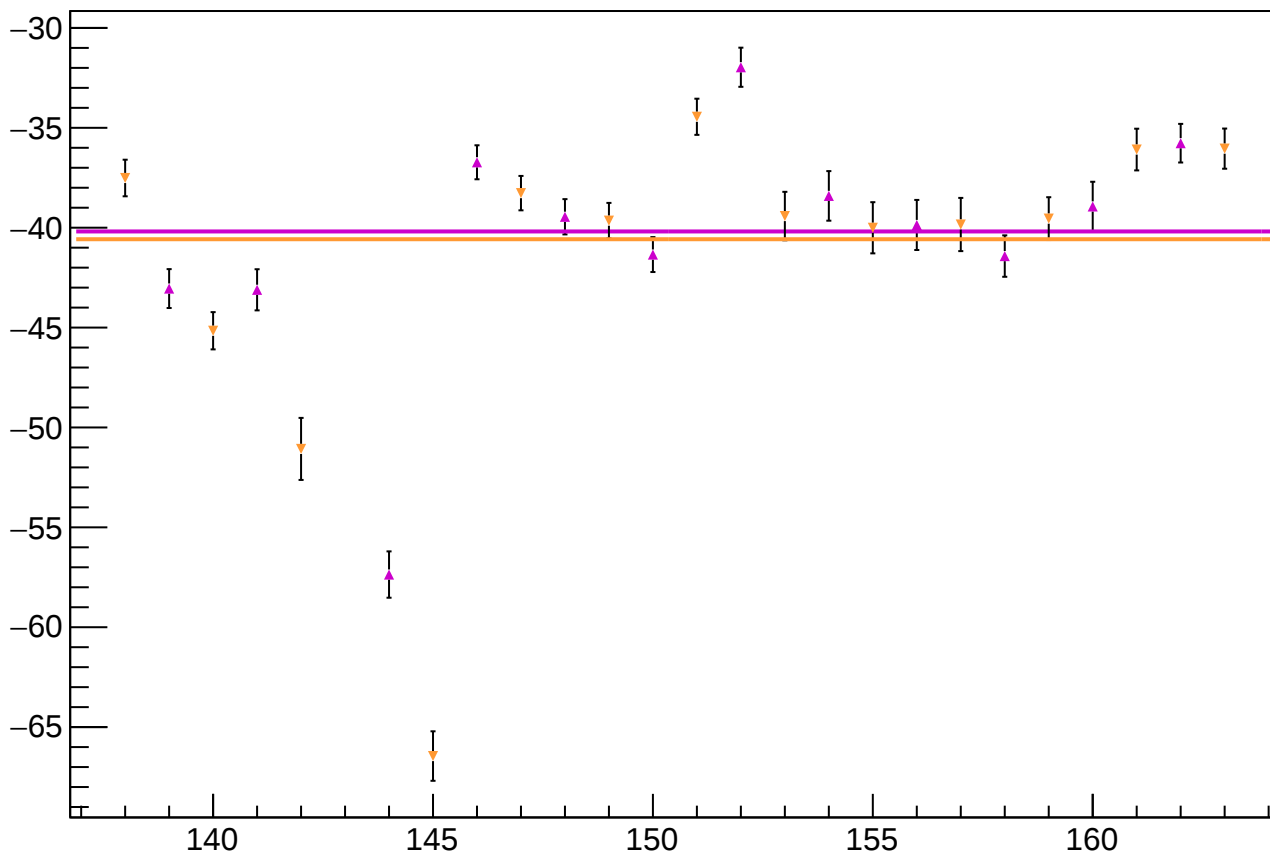
Right: -20.414 ± 0.011 $\chi^2/\text{NDF}: 122212.6/33$

In: -20.905 ± 0.009 $\chi^2/\text{NDF}: 130773.6/27$

Out: -21.385 ± 0.009 $\chi^2/\text{NDF}: 216971.8/30$

All: -21.144 ± 0.006 $\chi^2/\text{NDF}: 349133.7/58$

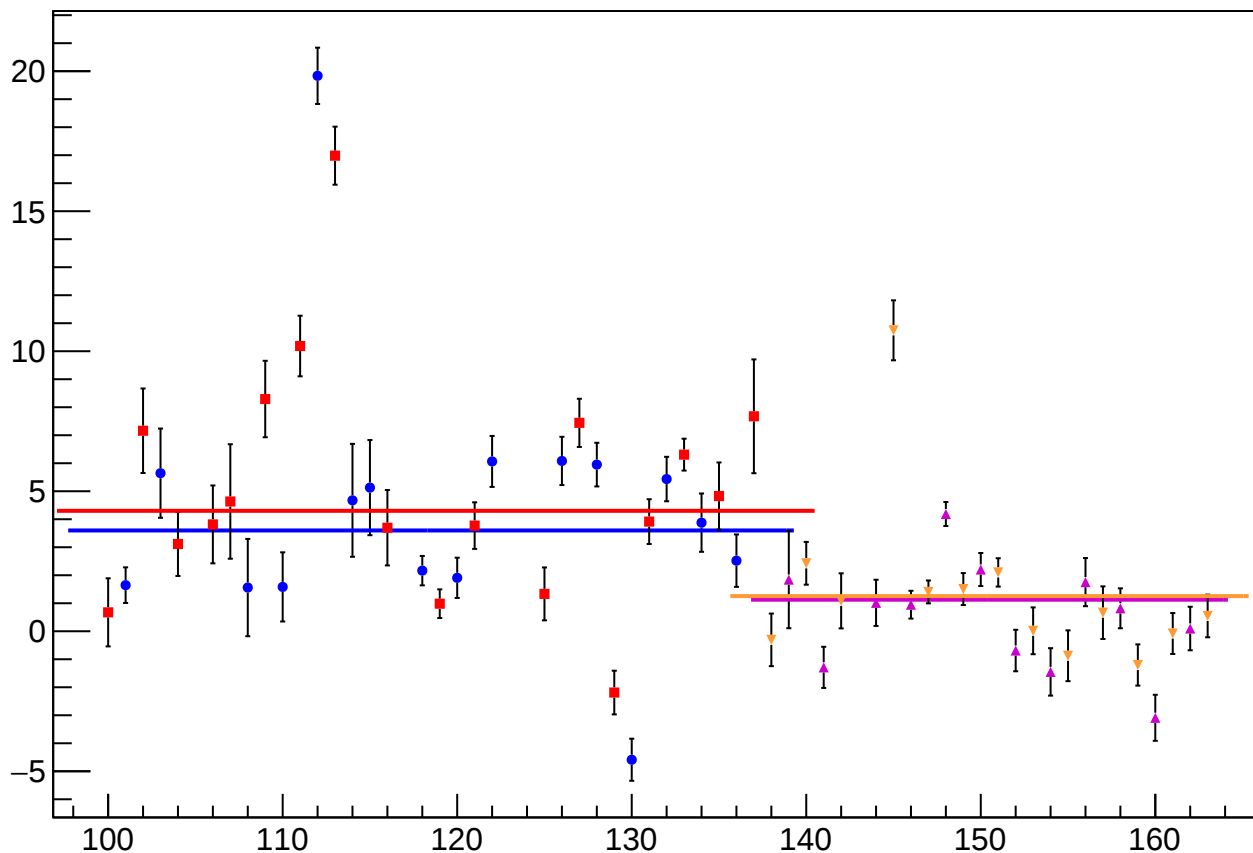
reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -40.577+/-0.290 χ^2/NDF : 612.6/12
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -40.188+/-0.292 χ^2/NDF : 350.8/11

Left: -40.384+/-0.206 χ^2/NDF : 964.3/24
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -40.188+/-0.292 χ^2/NDF : 350.8/11
 Out: -40.577+/-0.290 χ^2/NDF : 612.6/12
 All: -40.384+/-0.206 χ^2/NDF : 964.3/24

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.599 $\pm$ 0.220 χ^2 /NDF: 440.3/15

Left Out: 1.255 $\pm$ 0.193 χ^2 /NDF:110.4/12

Right Out: 4.301 $\pm$ 0.221 χ^2 /NDF: 352.1/17

Left In: 1.127 $\pm$ 0.197 χ^2 /NDF:109.5/11

Left: 1.193 $\pm$ 0.138 χ^2 /NDF: 220.1/24

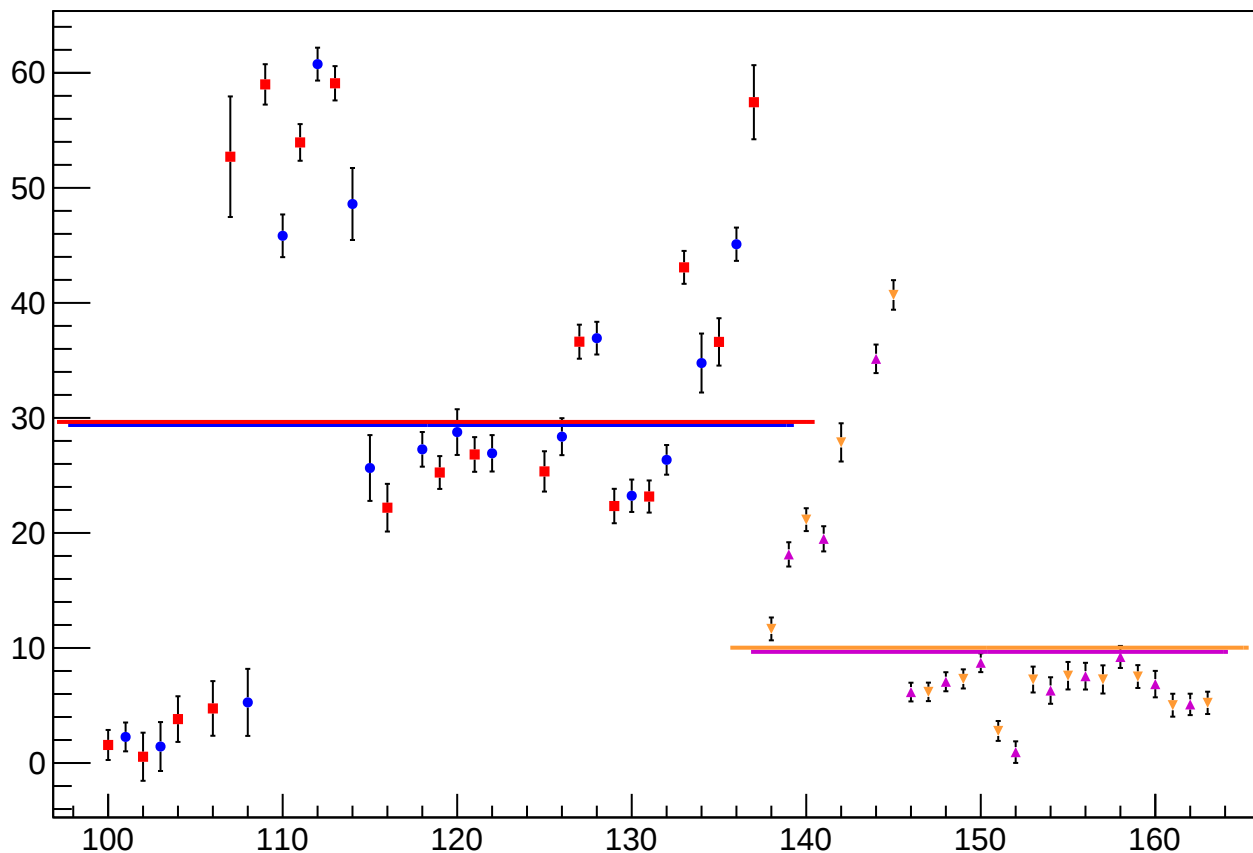
Right: 3.949 $\pm$ 0.156 χ^2 /NDF: 797.4/33

In: 2.228 $\pm$ 0.147 χ^2 /NDF:619.7/27

Out: 2.571 $\pm$ 0.145 χ^2 /NDF:570.4/30

All: 2.401 $\pm$ 0.103 χ^2 /NDF: 1192.8/58

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: 10.026 $\pm$ 0.282 χ^2 /NDF:987.7/12

Right Out: 29.652 $\pm$ 0.402 χ^2 /NDF: 2131.0/17

Left In: 9.663 $\pm$ 0.283 χ^2 /NDF:725.0/11

Left: 9.845 $\pm$ 0.200 χ^2 /NDF: 1713.5/24

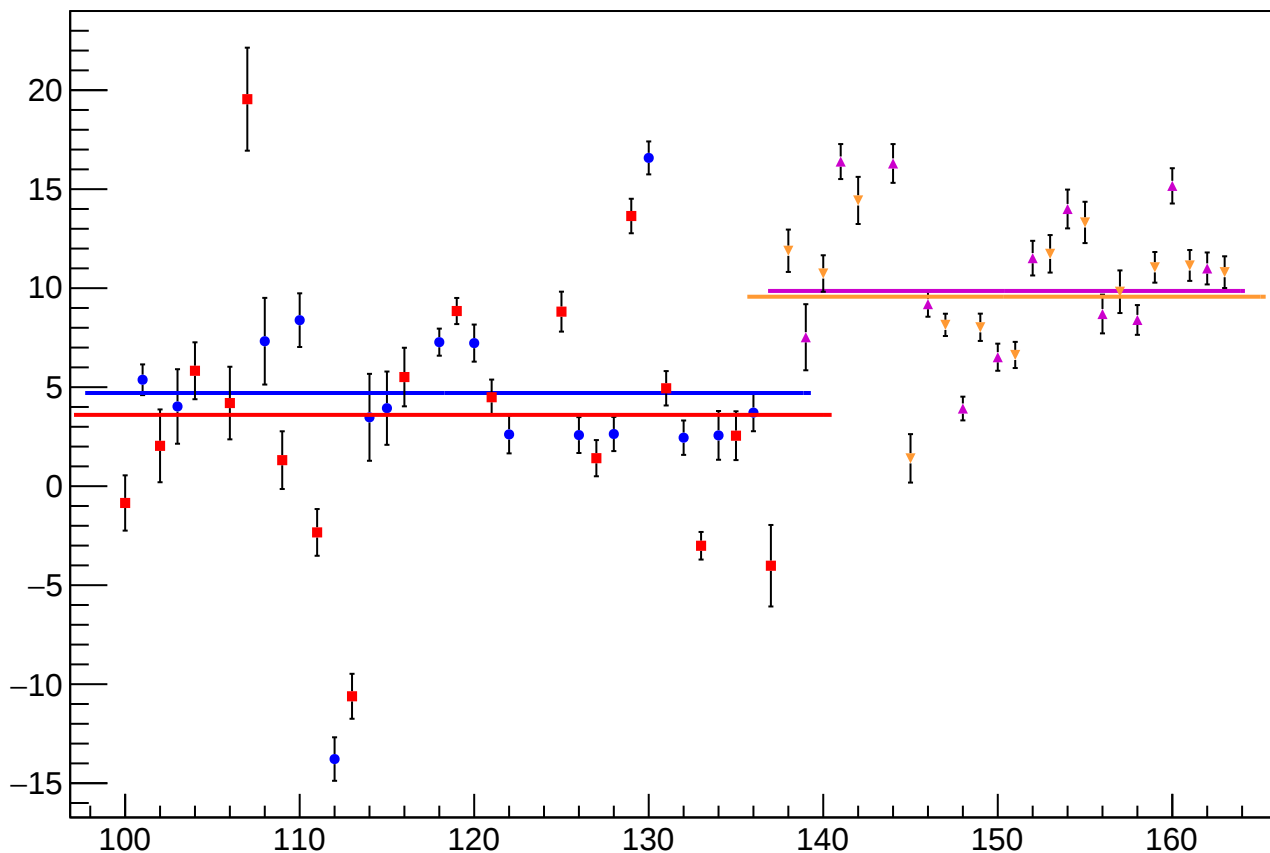
Right: 29.525 $\pm$ 0.290 χ^2 /NDF: 3619.8/33

In: 15.839 $\pm$ 0.235 χ^2 /NDF:3733.8/27

Out: 16.495 $\pm$ 0.231 χ^2 /NDF:4713.8/30

All: 16.172 $\pm$ 0.165 χ^2 /NDF: 8451.6/58

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.706 ± 0.254 χ^2/NDF : 545.2/15

Left Out: 9.569 ± 0.231 χ^2/NDF : 127.1/12

Right Out: 3.601 ± 0.254 χ^2/NDF : 573.4/17

Left In: 9.860 ± 0.235 χ^2/NDF : 287.2/11

Left: 9.712 ± 0.165 χ^2/NDF : 415.1/24

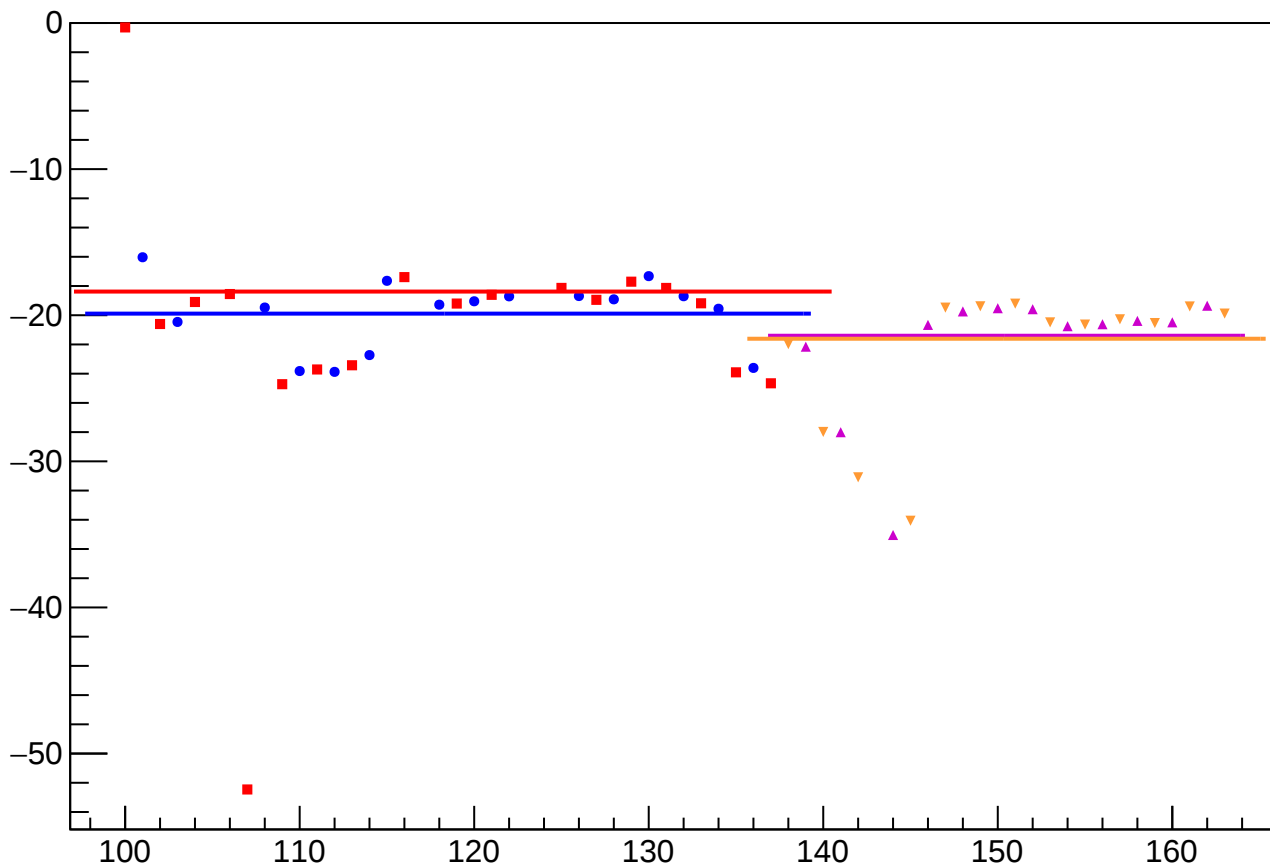
Right: 4.154 ± 0.180 χ^2/NDF : 1128.1/33

In: 7.477 ± 0.173 χ^2/NDF : 1053.9/27

Out: 6.869 ± 0.171 χ^2/NDF : 1002.7/30

All: 7.170 ± 0.121 χ^2/NDF : 2062.9/58

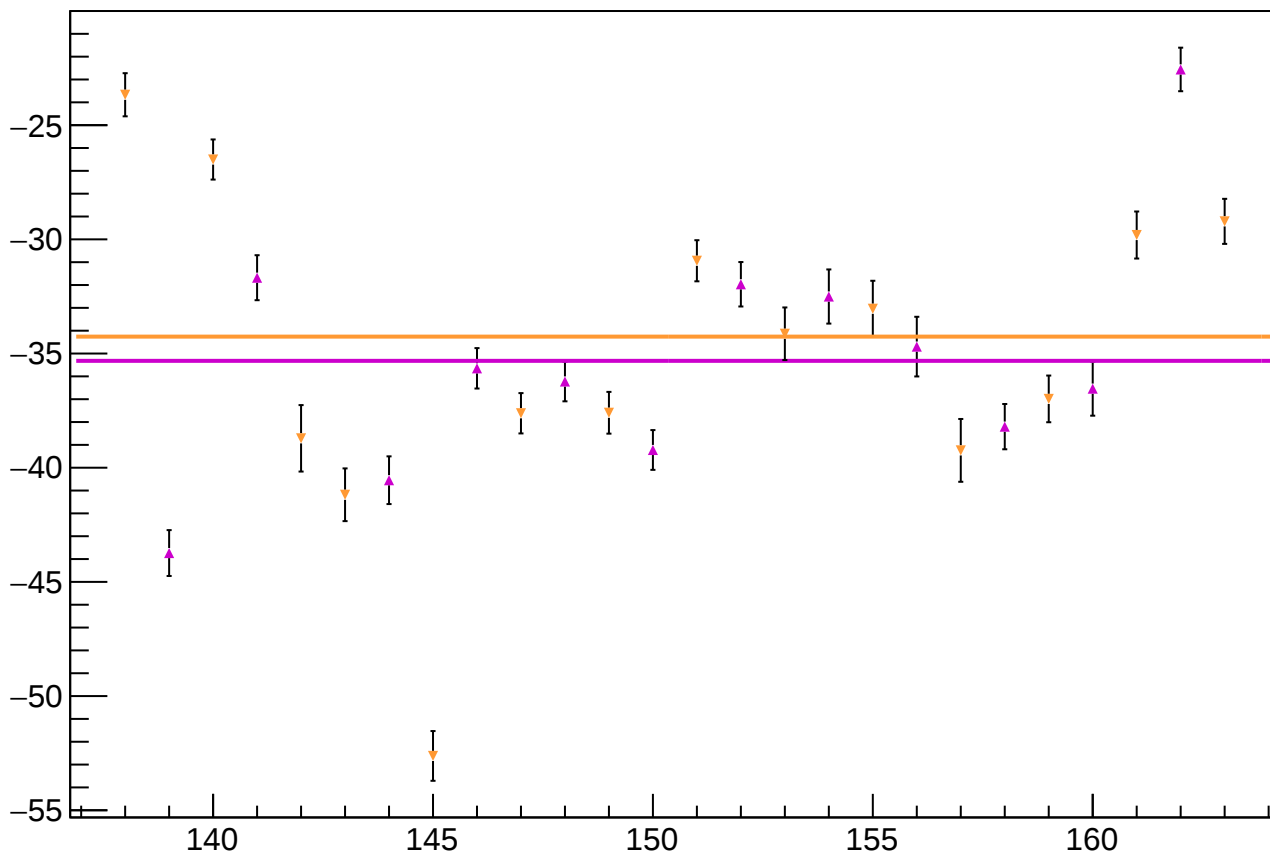
reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.890 ± 0.016 $\chi^2/\text{NDF}: 26044.4/15$
 Left Out: -21.609 ± 0.011 $\chi^2/\text{NDF}: 121741.6/12$
 Right Out: -18.380 ± 0.015 $\chi^2/\text{NDF}: 300999.4/17$
 Left In: -21.404 ± 0.011 $\chi^2/\text{NDF}: 98460.8/11$

Left: -21.506 ± 0.008 $\chi^2/\text{NDF}: 220370.6/24$
 Right: -19.091 ± 0.011 $\chi^2/\text{NDF}: 331979.2/33$
 In: -20.895 ± 0.009 $\chi^2/\text{NDF}: 130722.9/27$
 Out: -20.427 ± 0.009 $\chi^2/\text{NDF}: 453127.9/30$
 All: -20.657 ± 0.006 $\chi^2/\text{NDF}: 585203.1/58$

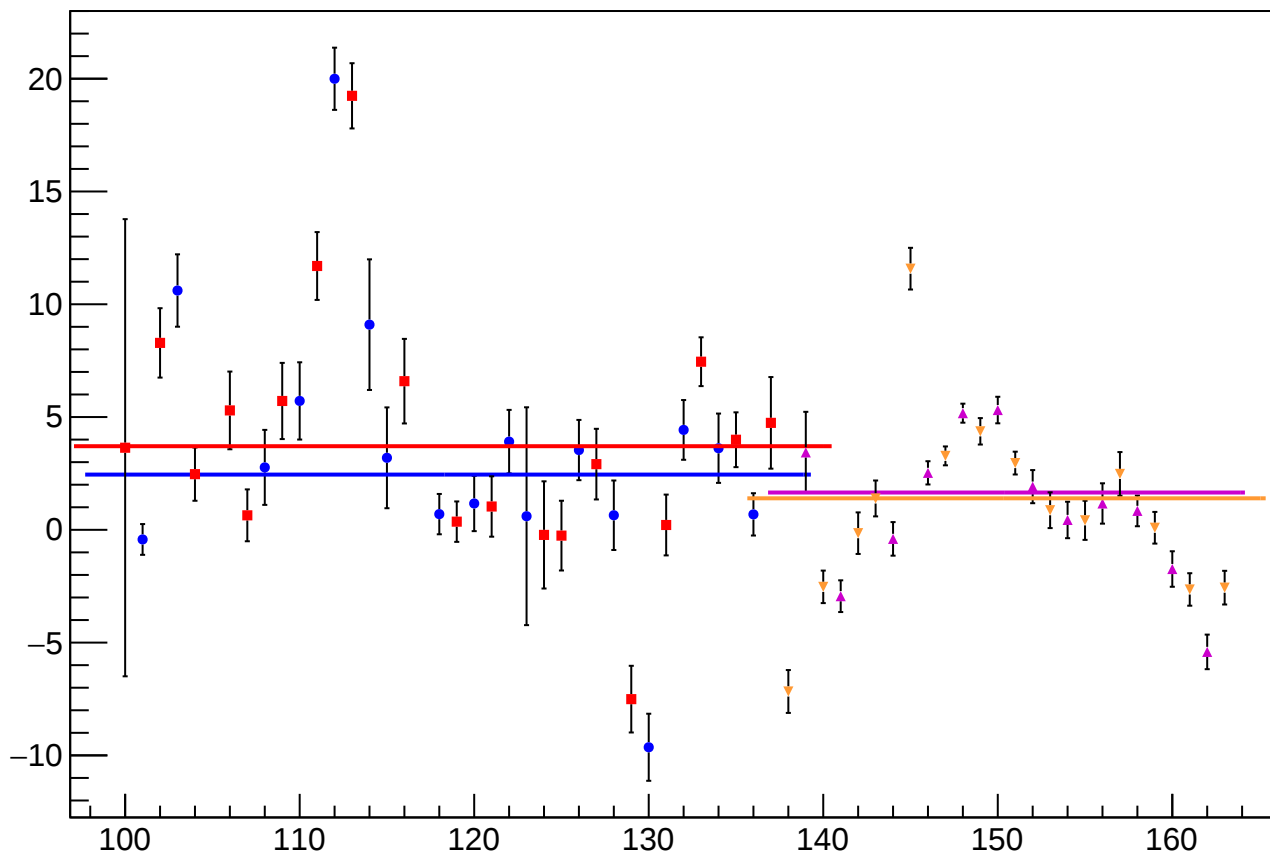
reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -34.259+/-0.277 χ^2/NDF :640.8/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -35.320+/-0.288 χ^2/NDF :336.6/11

Left: -34.768+/-0.200 χ^2/NDF : 984.4/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -35.320+/-0.288 χ^2/NDF :336.6/11
 Out: -34.259+/-0.277 χ^2/NDF :640.8/13
 All: -34.768+/-0.200 χ^2/NDF : 984.4/25

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: 1.397 ± 0.185 χ^2/NDF : 356.5/13

Right Out: 3.707 ± 0.326 χ^2/NDF : 269.4/18

Left In: 1.654 ± 0.194 χ^2/NDF : 270.3/11

Left: 1.519 ± 0.134 χ^2/NDF : 627.7/25

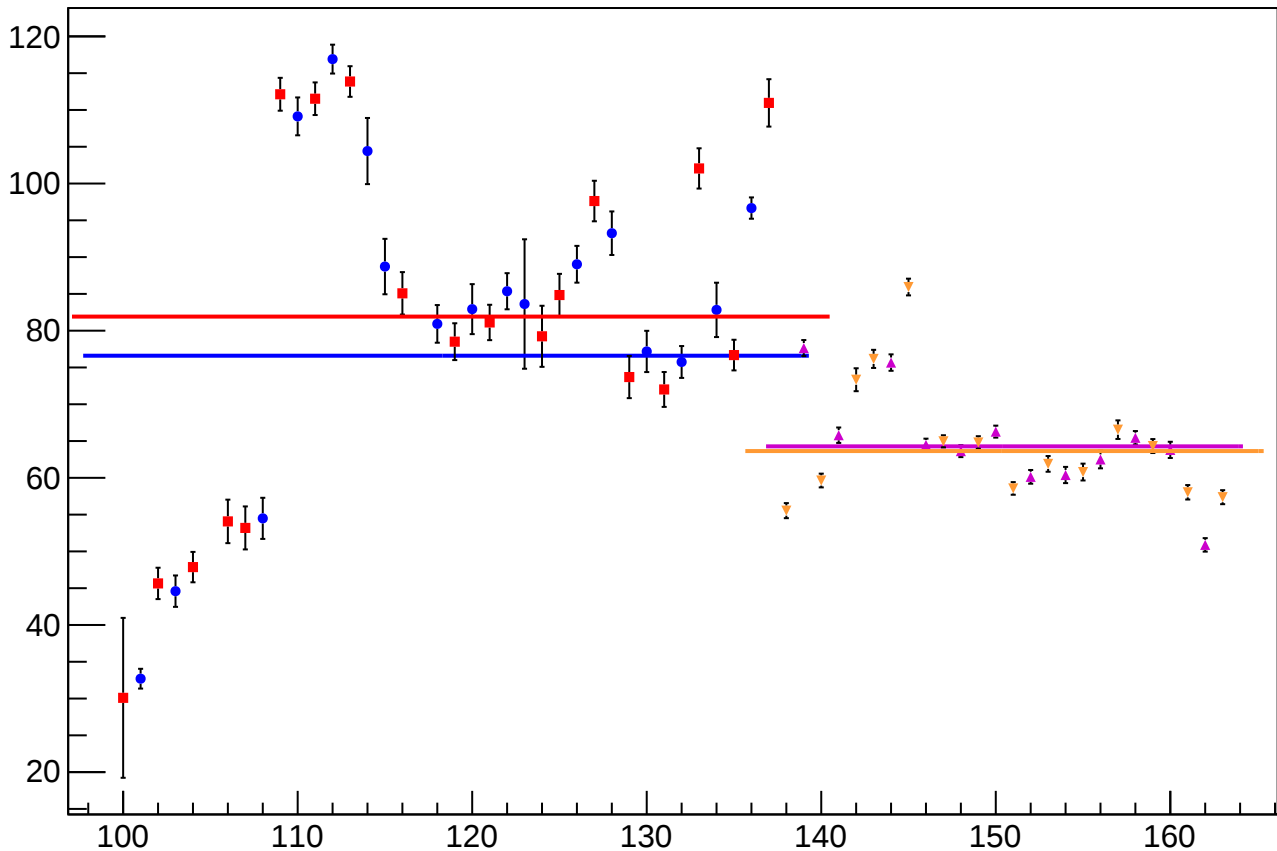
Right: 3.055 ± 0.226 χ^2/NDF : 572.4/35

In: 1.873 ± 0.165 χ^2/NDF : 570.2/28

Out: 1.959 ± 0.161 χ^2/NDF : 663.8/32

All: 1.917 ± 0.115 χ^2/NDF : 1234.2/61

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.598 $\pm$ 0.576 χ^2 /NDF: 2255.1/16

Left Out: 63.638 $\pm$ 0.271 χ^2 /NDF: 737.2/13

Right Out: 81.916 $\pm$ 0.592 χ^2 /NDF: 1570.7/18

Left In: 64.279 $\pm$ 0.279 χ^2 /NDF: 512.4/11

Left: 63.948 $\pm$ 0.194 χ^2 /NDF: 1252.3/25

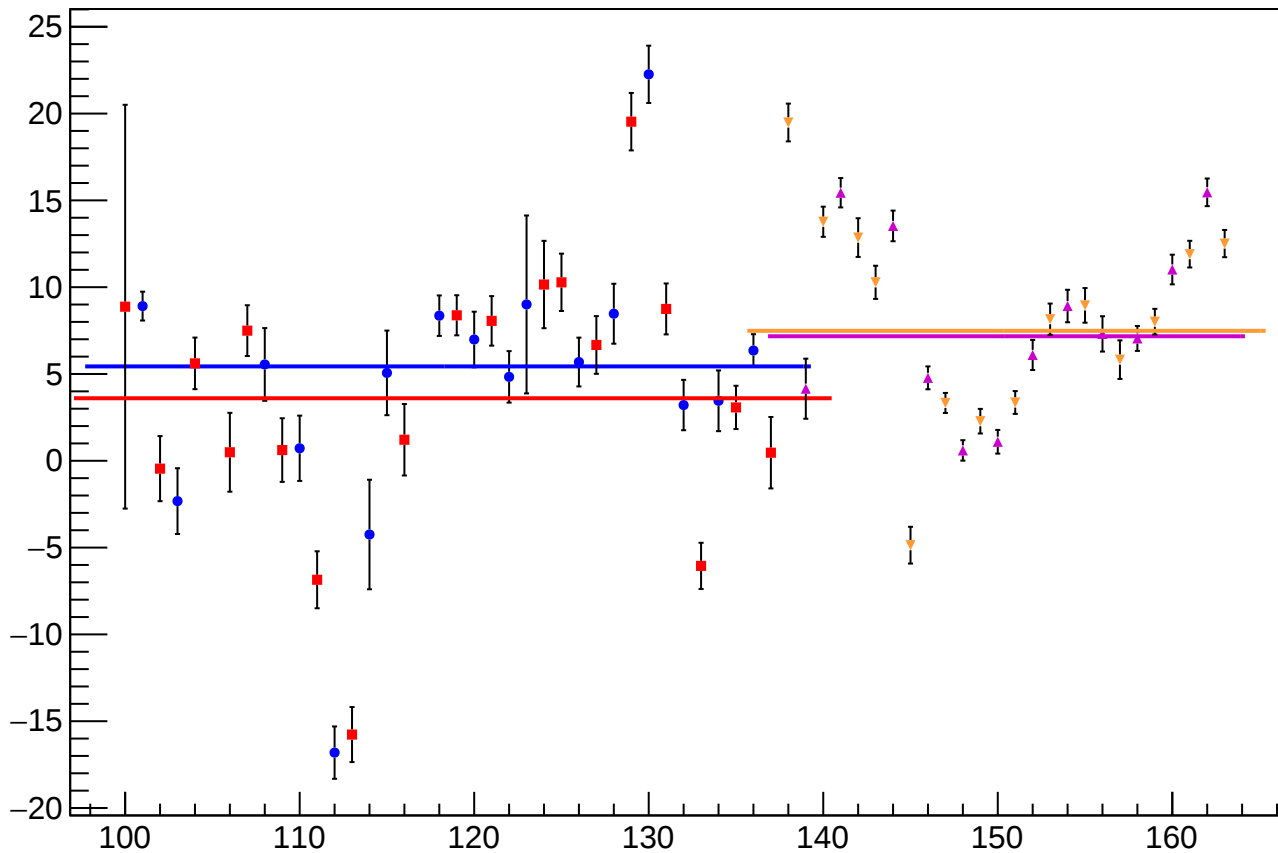
Right: 79.184 $\pm$ 0.413 χ^2 /NDF: 3867.3/35

In: 66.621 $\pm$ 0.251 χ^2 /NDF: 3137.9/28

Out: 66.797 $\pm$ 0.246 χ^2 /NDF: 3096.3/32

All: 66.711 $\pm$ 0.176 χ^2 /NDF: 6234.4/61

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.436 $\pm$ 0.360 χ^2/NDF : 387.2/16

Left Out: 7.486 $\pm$ 0.221 χ^2/NDF :566.5/13

Right Out: 3.602 $\pm$ 0.375 χ^2/NDF : 423.3/18

Left In: 7.173 $\pm$ 0.231 χ^2/NDF :501.3/11

Left: 7.336 $\pm$ 0.160 χ^2/NDF : 1068.7/25

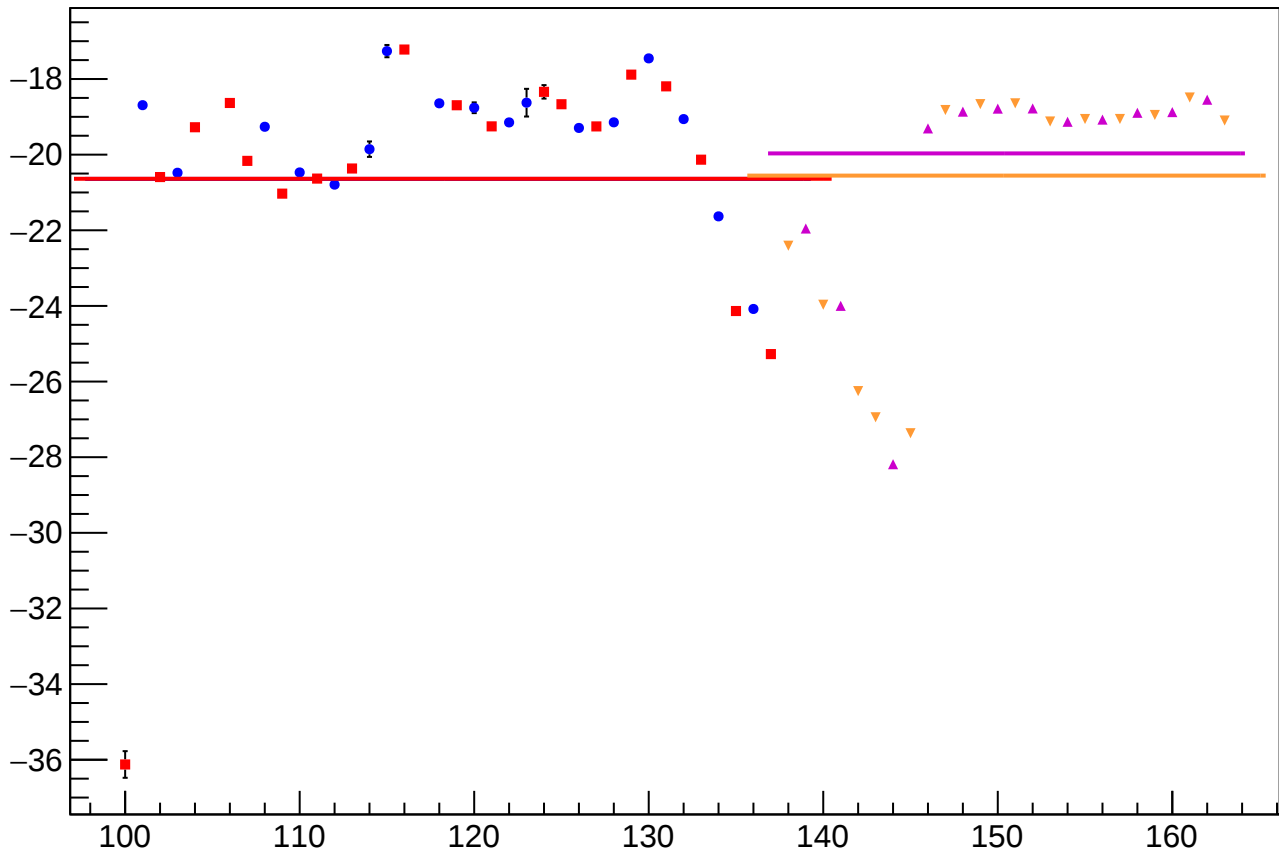
Right: 4.556 $\pm$ 0.260 χ^2/NDF : 823.0/35

In: 6.666 $\pm$ 0.195 χ^2/NDF :904.9/28

Out: 6.485 $\pm$ 0.190 χ^2/NDF :1069.4/32

All: 6.573 $\pm$ 0.136 χ^2/NDF : 1974.7/61

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.642 $\pm$ 0.019 χ^2 /NDF: 12431.5/16

Left Out: -20.554 $\pm$ 0.011 χ^2 /NDF: 75259.0/13

Right Out: -20.638 $\pm$ 0.019 χ^2 /NDF: 13783.4/18

Left In: -19.967 $\pm$ 0.011 χ^2 /NDF: 47786.4/11

Left: -20.267 $\pm$ 0.008 χ^2 /NDF: 124504.7/25

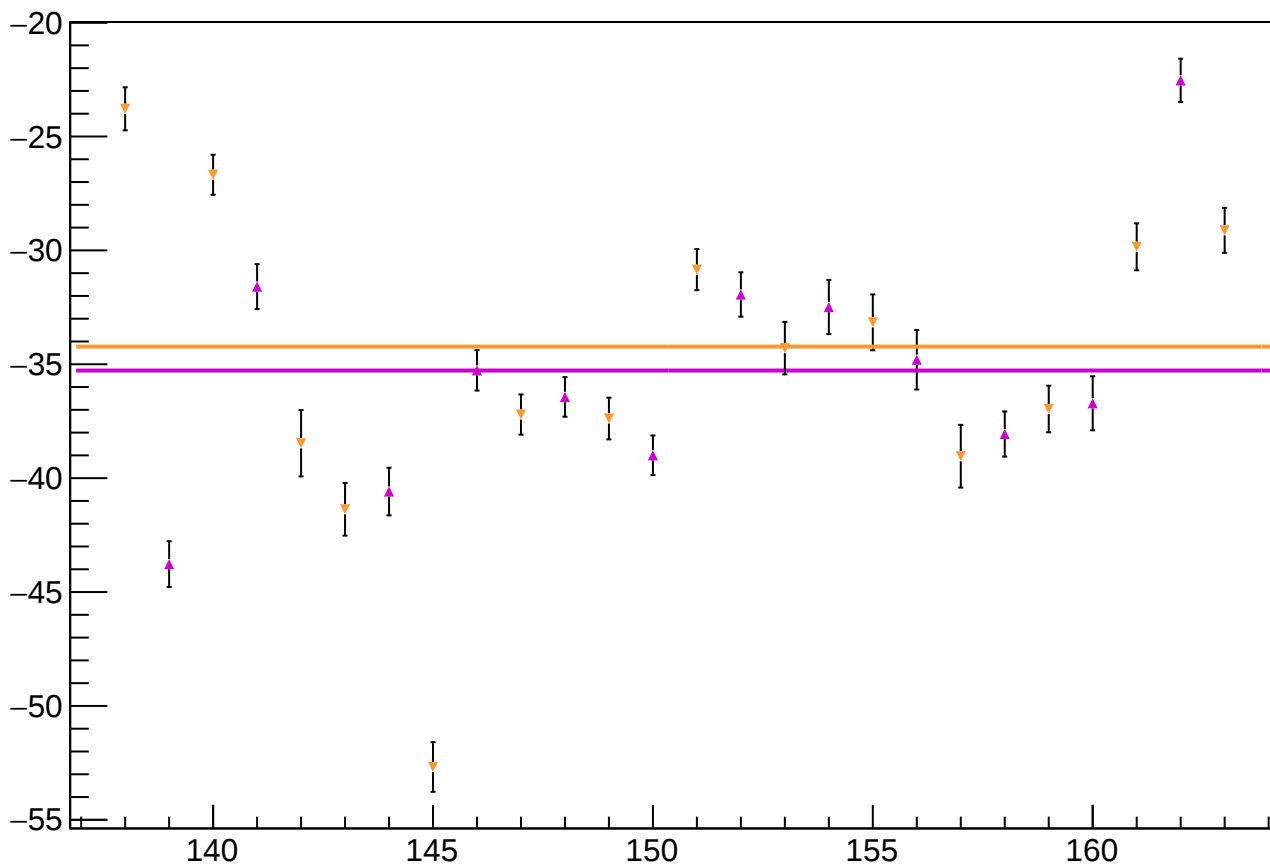
Right: -20.640 $\pm$ 0.014 χ^2 /NDF: 26214.9/35

In: -20.132 $\pm$ 0.010 χ^2 /NDF: 61138.3/28

Out: -20.574 $\pm$ 0.009 χ^2 /NDF: 89056.7/32

All: -20.356 $\pm$ 0.007 χ^2 /NDF: 151281.6/61

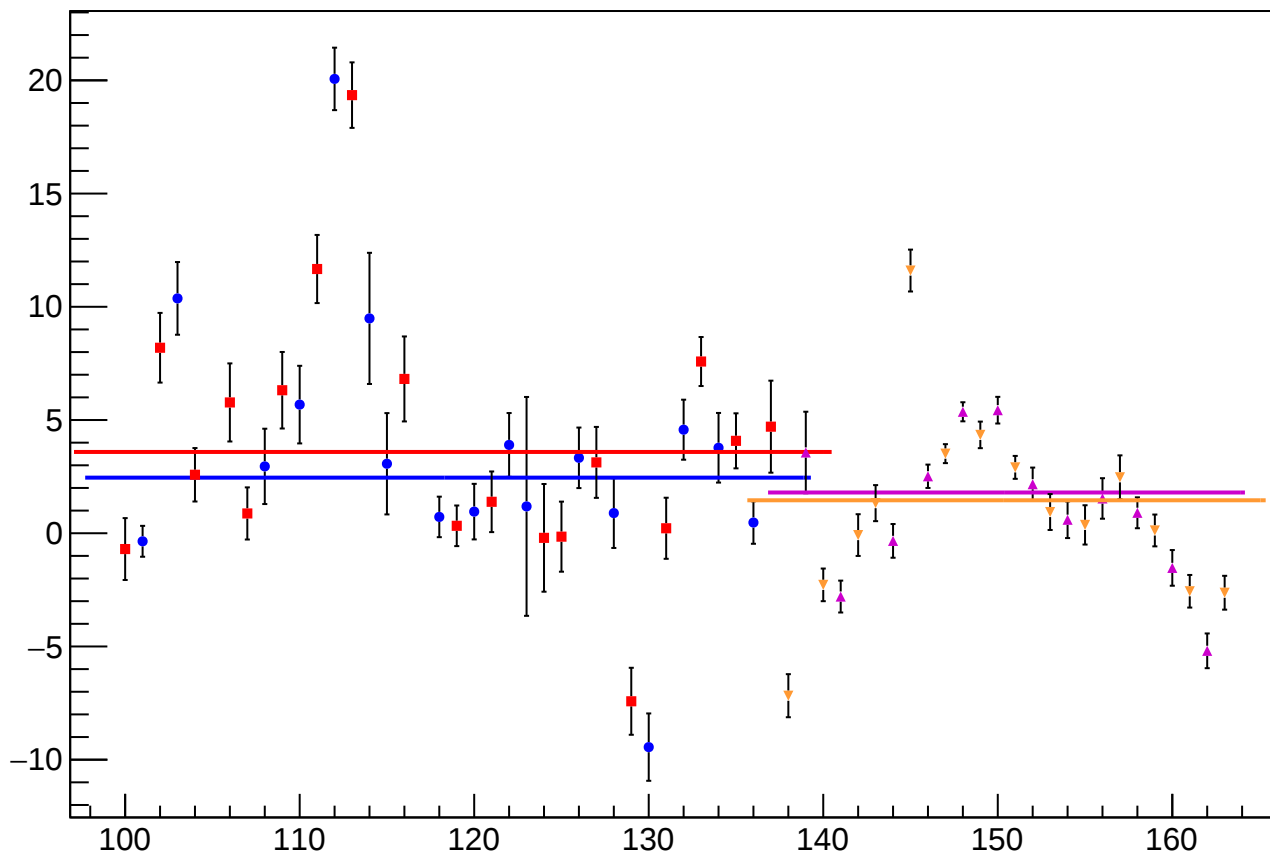
reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: -34.225 ± 0.277 χ^2/NDF : 631.6/13
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -35.275 ± 0.288 χ^2/NDF : 336.3/11

Left: -34.729 ± 0.200 χ^2/NDF : 974.8/25
 Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 In: -35.275 ± 0.288 χ^2/NDF : 336.3/11
 Out: -34.225 ± 0.277 χ^2/NDF : 631.6/13
 All: -34.729 ± 0.200 χ^2/NDF : 974.8/25

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.455 $\pm$ 0.315 χ^2 /NDF: 293.5/16

Left Out: 1.455 $\pm$ 0.185 χ^2 /NDF: 356.7/13

Right Out: 3.590 $\pm$ 0.318 χ^2 /NDF: 279.8/18

Left In: 1.799 $\pm$ 0.194 χ^2 /NDF: 268.7/11

Left: 1.619 $\pm$ 0.134 χ^2 /NDF: 627.0/25

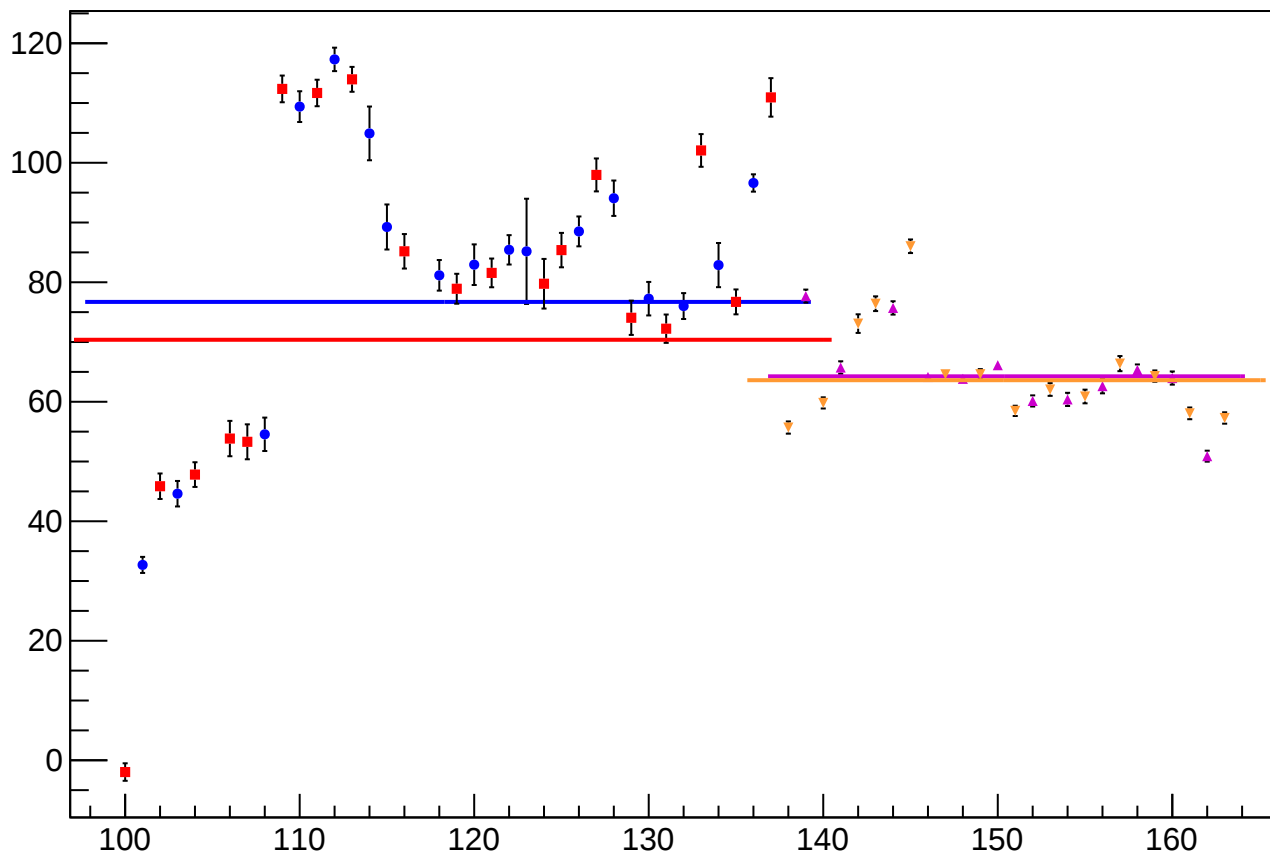
Right: 3.017 $\pm$ 0.224 χ^2 /NDF: 579.8/35

In: 1.980 $\pm$ 0.165 χ^2 /NDF: 565.4/28

Out: 1.996 $\pm$ 0.160 χ^2 /NDF: 670.2/32

All: 1.989 $\pm$ 0.115 χ^2 /NDF: 1235.6/61

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.713 $\pm$ 0.576 χ^2 /NDF: 2266.6/16

Left Out: 63.608 $\pm$ 0.271 χ^2 /NDF: 736.7/13

Right Out: 70.376 $\pm$ 0.550 χ^2 /NDF: 4390.7/18

Left In: 64.257 $\pm$ 0.279 χ^2 /NDF: 511.1/11

Left: 63.923 $\pm$ 0.194 χ^2 /NDF: 1250.6/25

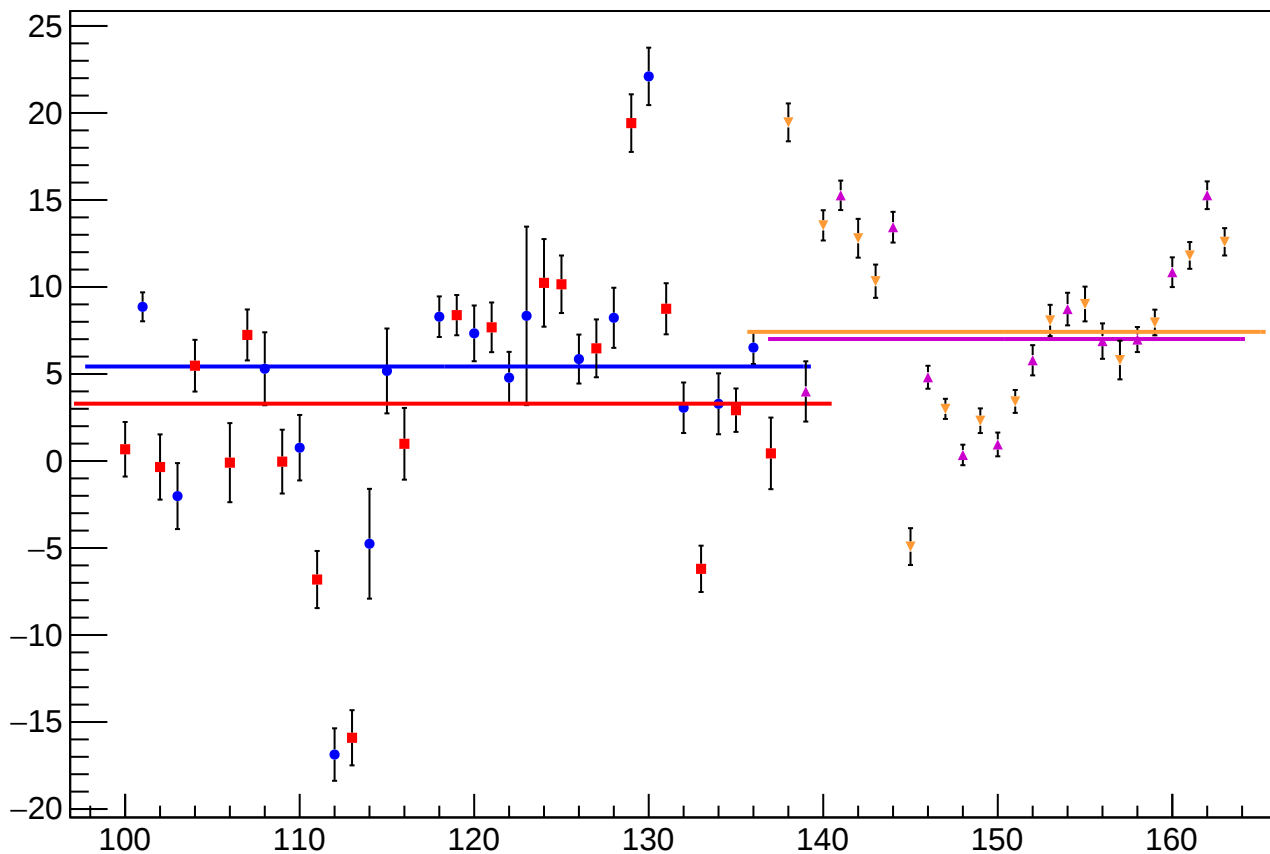
Right: 73.396 $\pm$ 0.398 χ^2 /NDF: 6720.6/35

In: 66.626 $\pm$ 0.251 χ^2 /NDF: 3156.0/28

Out: 64.929 $\pm$ 0.243 χ^2 /NDF: 5249.2/32

All: 65.749 $\pm$ 0.175 χ^2 /NDF: 8428.8/61

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.430 ± 0.361 $\chi^2/\text{NDF}: 385.9/16$

Left Out: 7.421 ± 0.221 $\chi^2/\text{NDF}: 569.5/13$

Right Out: 3.295 ± 0.365 $\chi^2/\text{NDF}: 426.1/18$

Left In: 7.010 ± 0.232 $\chi^2/\text{NDF}: 501.9/11$

Left: 7.225 ± 0.160 $\chi^2/\text{NDF}: 1073.0/25$

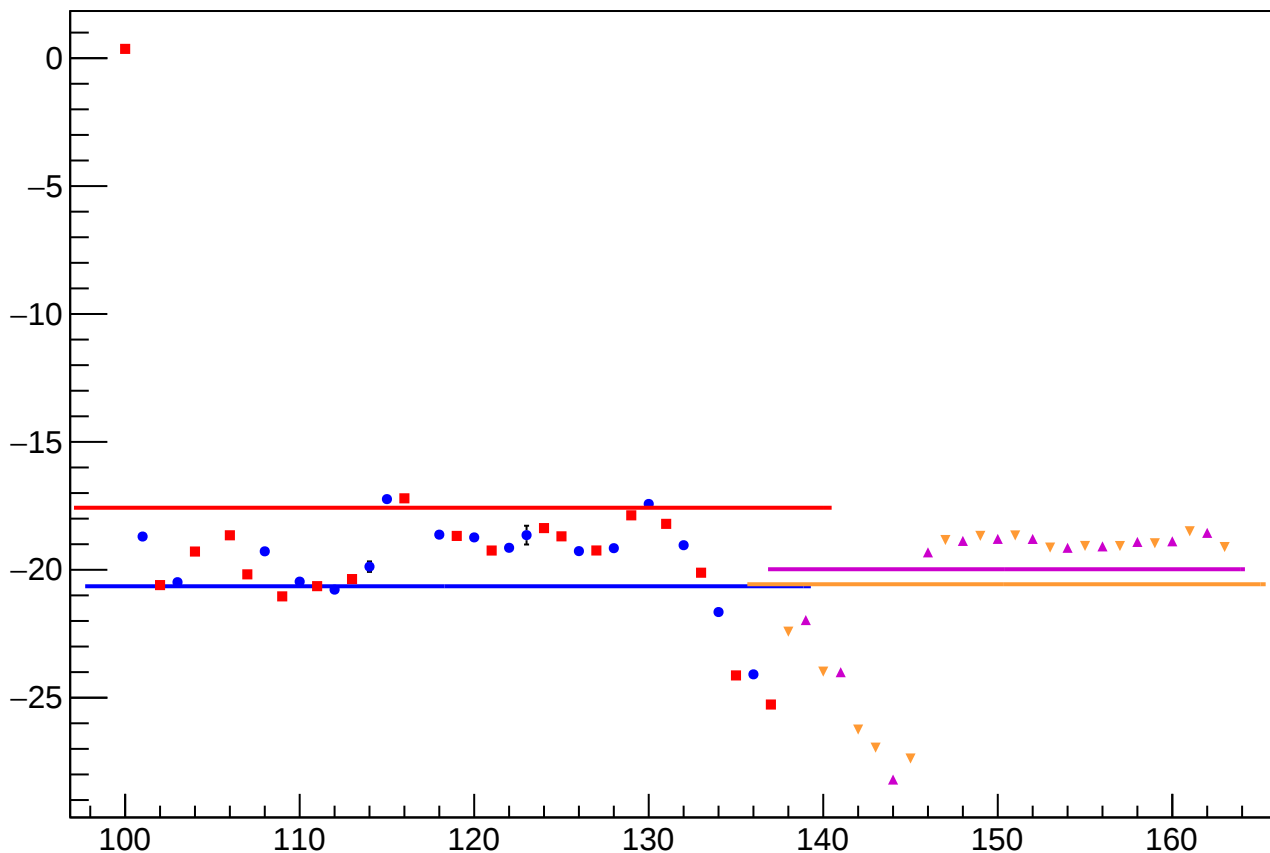
Right: 4.376 ± 0.257 $\chi^2/\text{NDF}: 829.3/35$

In: 6.548 ± 0.195 $\chi^2/\text{NDF}: 901.3/28$

Out: 6.314 ± 0.189 $\chi^2/\text{NDF}: 1089.0/32$

All: 6.428 ± 0.136 $\chi^2/\text{NDF}: 1991.1/61$

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.643 $\pm$ 0.019 χ^2/NDF : 12468.6/16

Left Out: -20.564 $\pm$ 0.011 χ^2/NDF : 75100.5/13

Right Out: -17.574 $\pm$ 0.018 χ^2/NDF : 178327.0/18

Left In: -19.978 $\pm$ 0.011 χ^2/NDF : 47717.9/11

Left: -20.278 $\pm$ 0.008 χ^2/NDF : 124273.2/25

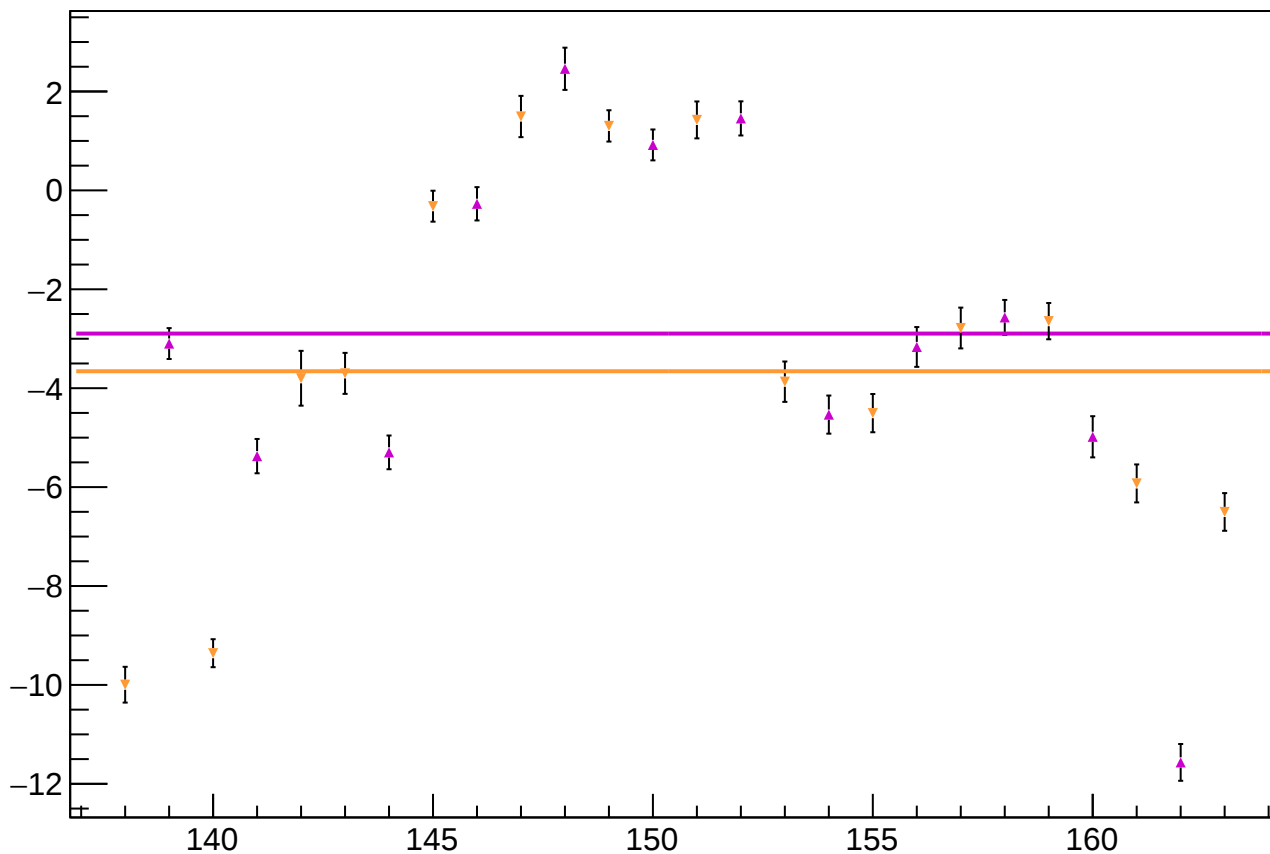
Right: -19.001 $\pm$ 0.013 χ^2/NDF : 204262.7/35

In: -20.140 $\pm$ 0.010 χ^2/NDF : 61080.5/28

Out: -19.781 $\pm$ 0.009 χ^2/NDF : 273718.2/32

All: -19.954 $\pm$ 0.007 χ^2/NDF : 335530.5/61

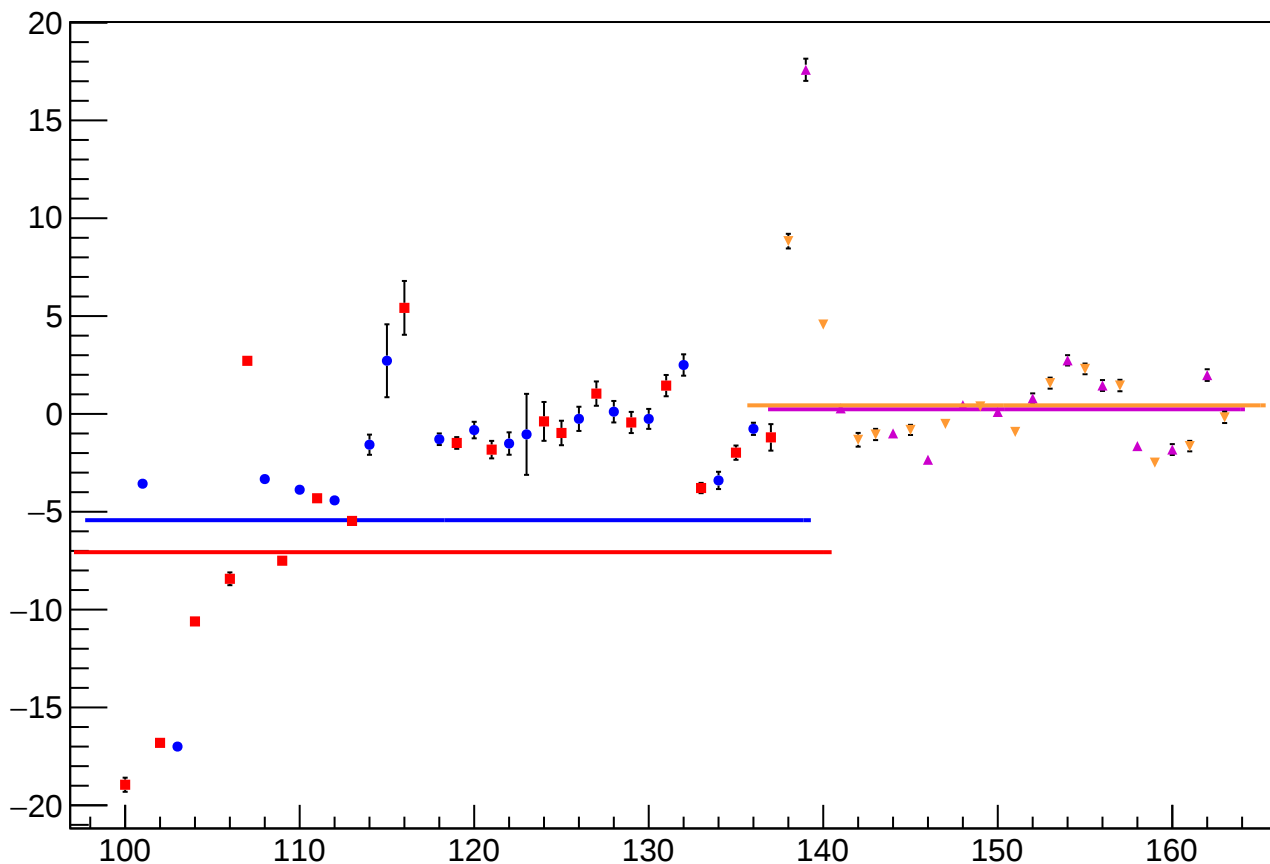
reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



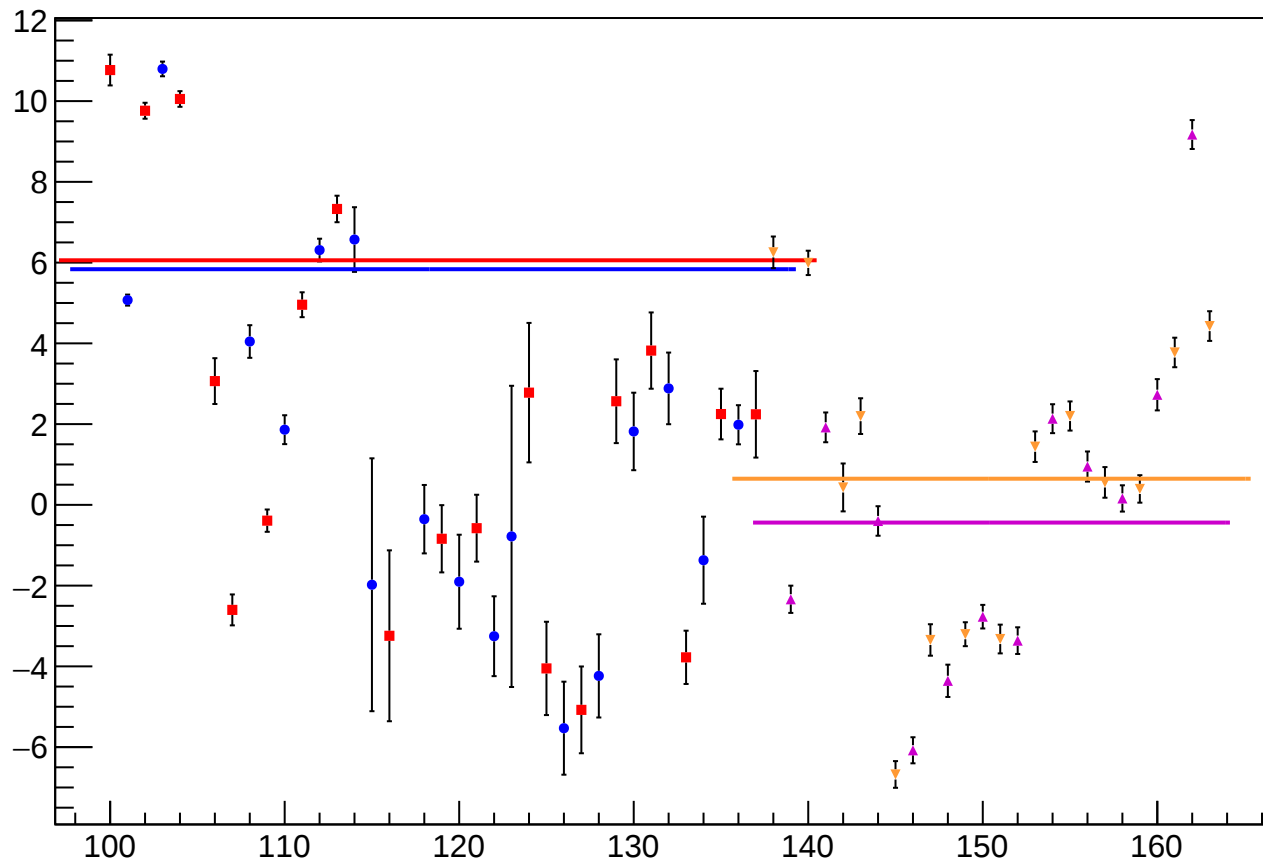
Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -3.657 ± 0.099 $\chi^2/\text{NDF}: 1517.8/13$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -2.896 ± 0.103 $\chi^2/\text{NDF}: 1215.2/11$

Left: -3.292 ± 0.071 $\chi^2/\text{NDF}: 2761.4/25$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 In: -2.896 ± 0.103 $\chi^2/\text{NDF}: 1215.2/11$
 Out: -3.657 ± 0.099 $\chi^2/\text{NDF}: 1517.8/13$
 All: -3.292 ± 0.071 $\chi^2/\text{NDF}: 2761.4/25$

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.836 $\pm$ 0.090 χ^2/NDF : 1440.9/16

Left Out: 0.648 $\pm$ 0.097 χ^2/NDF :1622.8/13

Right Out: 6.057 $\pm$ 0.093 χ^2/NDF : 2668.9/18

Left In: -0.439 $\pm$ 0.100 χ^2/NDF :1471.5/11

Left: 0.121 $\pm$ 0.070 χ^2/NDF : 3154.6/25

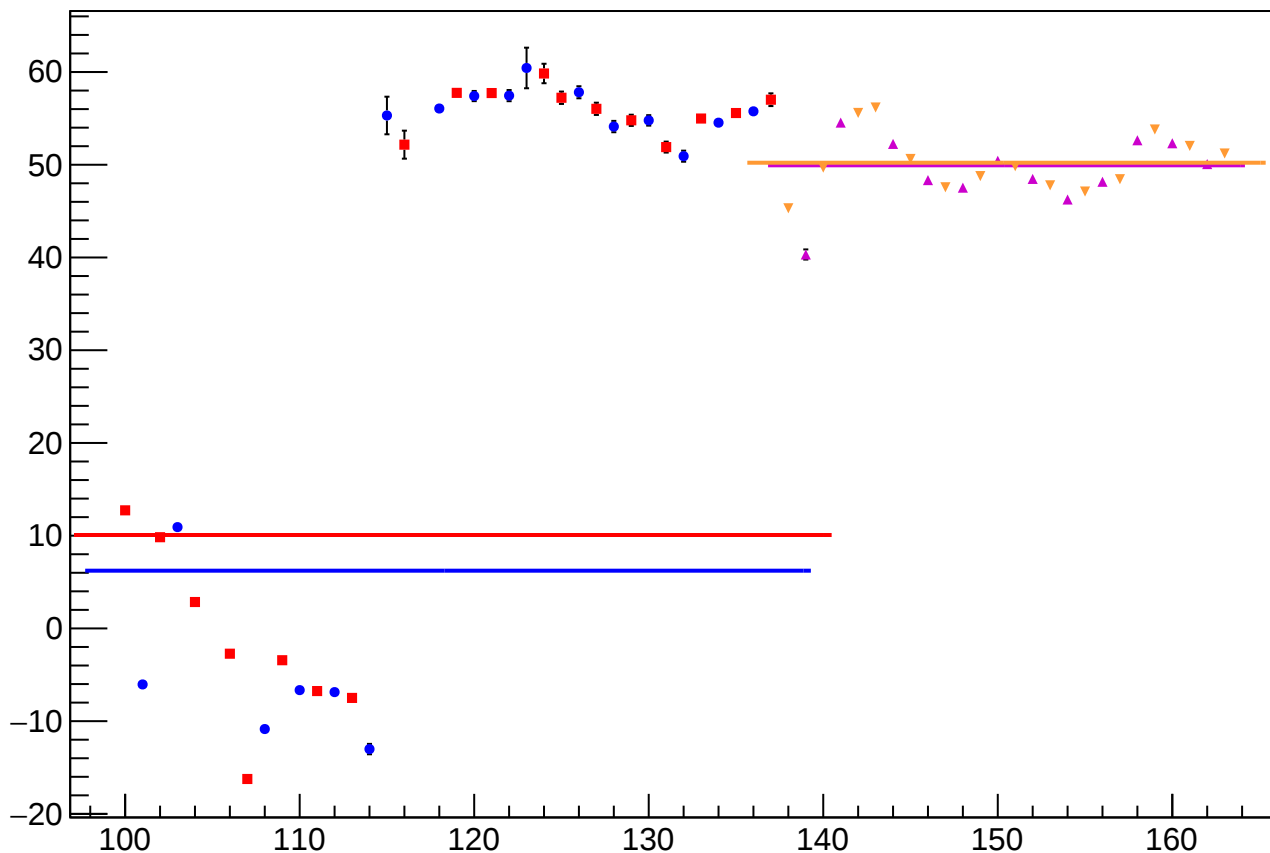
Right: 5.942 $\pm$ 0.065 χ^2/NDF : 4112.7/35

In: 3.052 $\pm$ 0.067 χ^2/NDF :5085.8/28

Out: 3.466 $\pm$ 0.067 χ^2/NDF :5901.3/32

All: 3.257 $\pm$ 0.047 χ^2/NDF : 11006.1/61

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.226 ± 0.065 $\chi^2/\text{NDF}: 120955.1/16$

Left Out: 50.219 ± 0.081 $\chi^2/\text{NDF}: 1145.3/13$

Right Out: 10.075 ± 0.070 $\chi^2/\text{NDF}: 122049.3/18$

Left In: 49.940 ± 0.085 $\chi^2/\text{NDF}: 1094.6/11$

Left: 50.087 ± 0.059 $\chi^2/\text{NDF}: 2245.6/25$

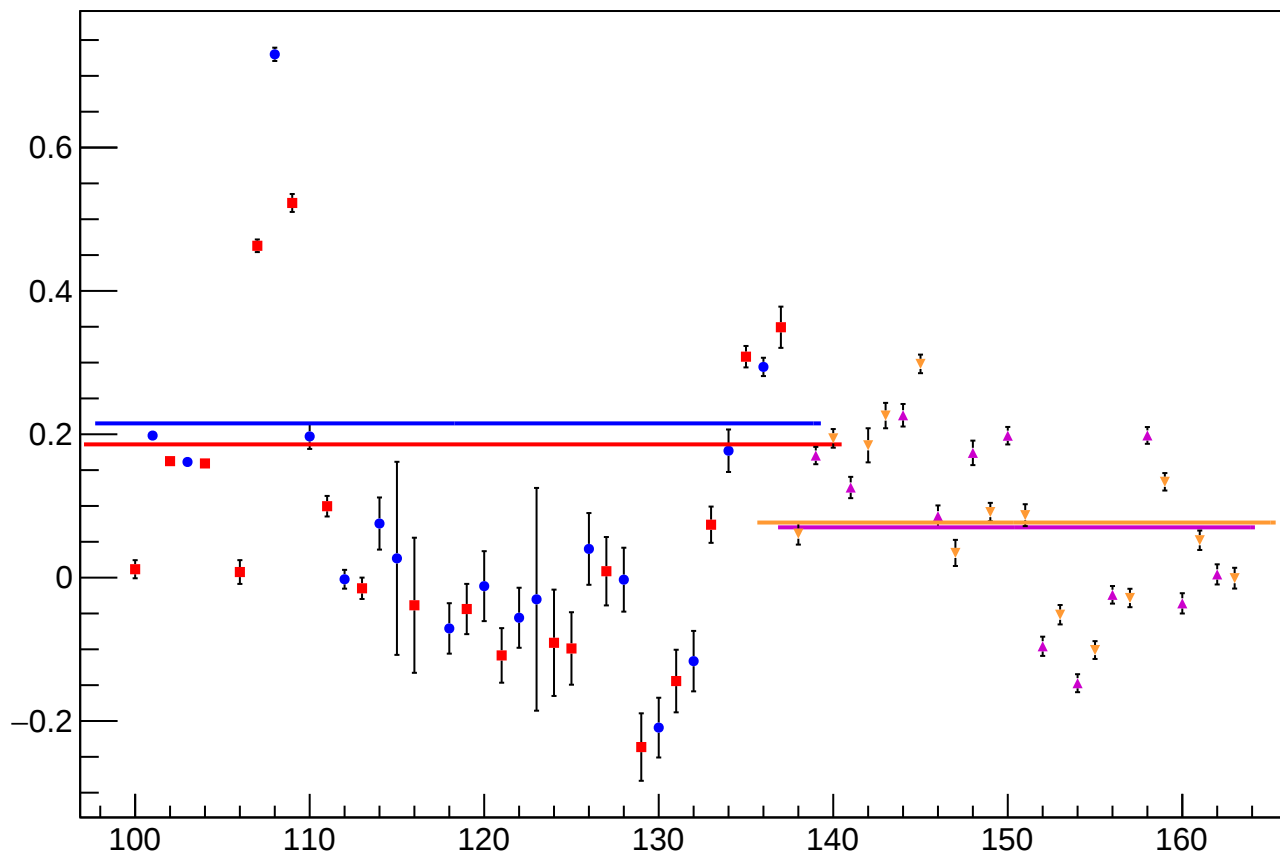
Right: 8.011 ± 0.047 $\chi^2/\text{NDF}: 244638.0/35$

In: 22.221 ± 0.052 $\chi^2/\text{NDF}: 288409.4/28$

Out: 27.106 ± 0.053 $\chi^2/\text{NDF}: 263780.8/32$

All: 24.603 ± 0.037 $\chi^2/\text{NDF}: 556557.6/61$

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215 $\pm$ 0.003 χ^2 /NDF: 3925.9/16

Left Out: 0.077 $\pm$ 0.004 χ^2 /NDF:889.0/13

Right Out: 0.186 $\pm$ 0.003 χ^2 /NDF: 2718.1/18

Left In: 0.070 $\pm$ 0.004 χ^2 /NDF:1040.1/11

Left: 0.074 $\pm$ 0.003 χ^2 /NDF: 1930.6/25

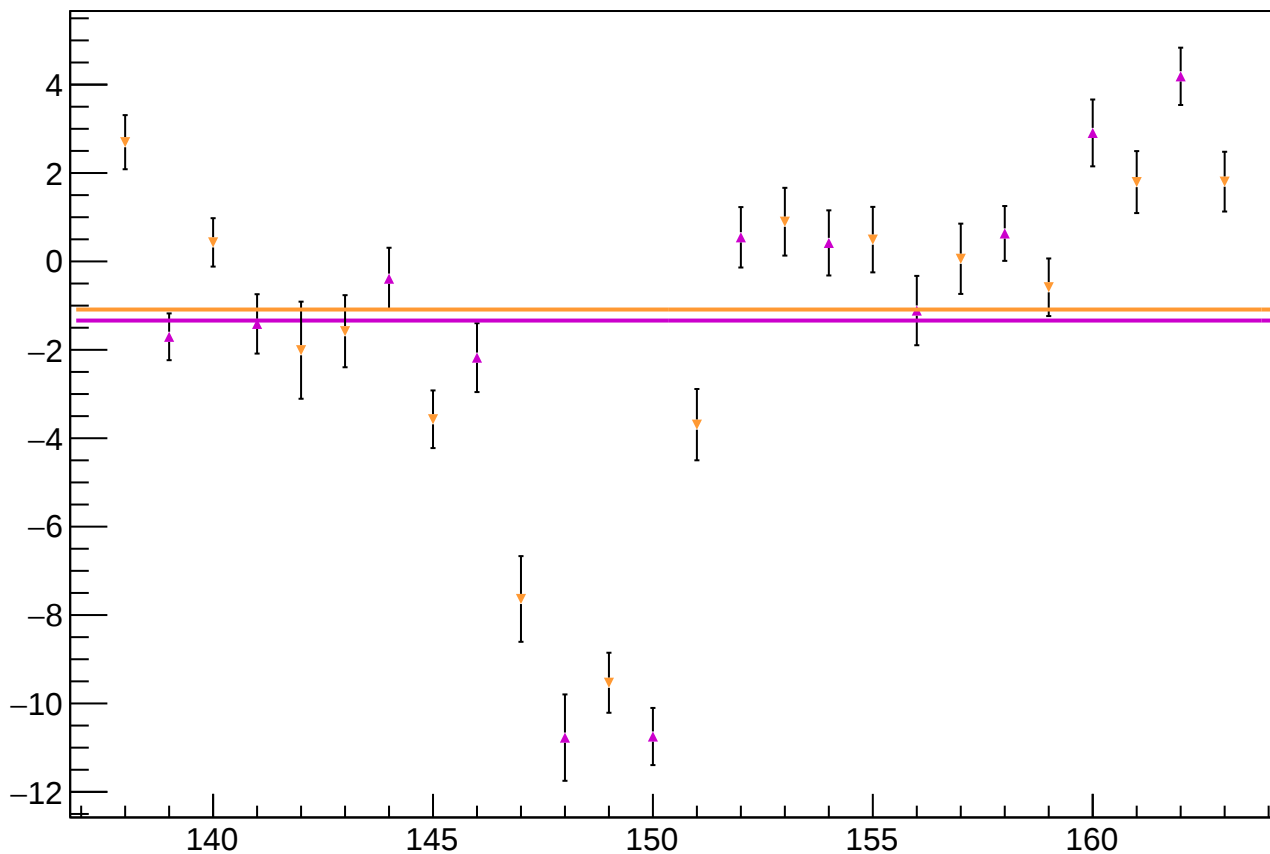
Right: 0.200 $\pm$ 0.002 χ^2 /NDF: 6701.6/35

In: 0.166 $\pm$ 0.002 χ^2 /NDF:5887.1/28

Out: 0.150 $\pm$ 0.002 χ^2 /NDF:4156.5/32

All: 0.158 $\pm$ 0.002 χ^2 /NDF: 10072.7/61

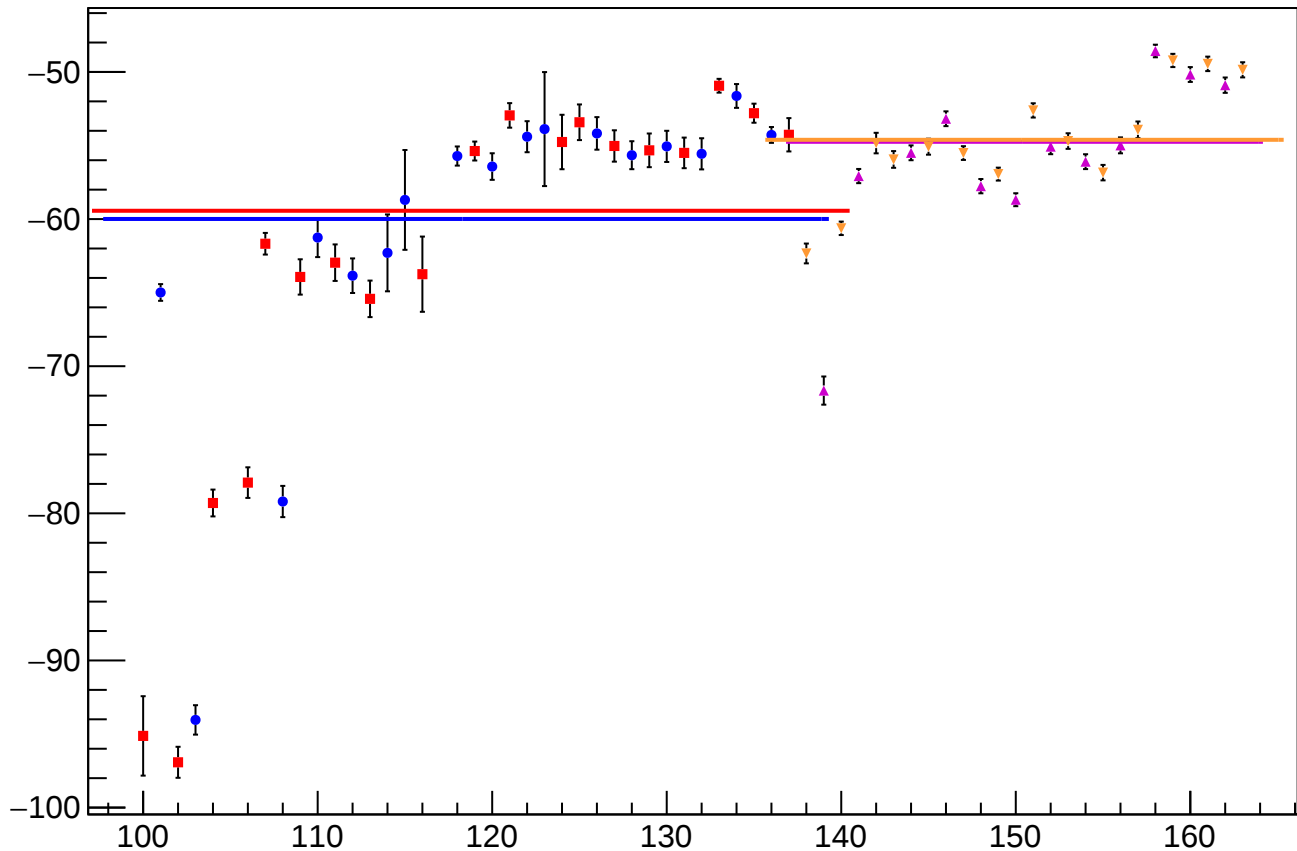
reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -1.088 $\pm$ 0.192 χ^2 /NDF:321.4/13
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -1.338 $\pm$ 0.199 χ^2 /NDF:436.2/11

Left: -1.208 $\pm$ 0.138 χ^2 /NDF: 758.4/25
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -1.338 $\pm$ 0.199 χ^2 /NDF:436.2/11
 Out: -1.088 $\pm$ 0.192 χ^2 /NDF:321.4/13
 All: -1.208 $\pm$ 0.138 χ^2 /NDF: 758.4/25

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: -54.612 ± 0.138 χ^2/NDF : 718.3/13

Right Out: -59.435 ± 0.212 χ^2/NDF : 2917.9/18

Left In: -54.747 ± 0.146 χ^2/NDF : 817.0/11

Left: -54.676 ± 0.100 χ^2/NDF : 1535.8/25

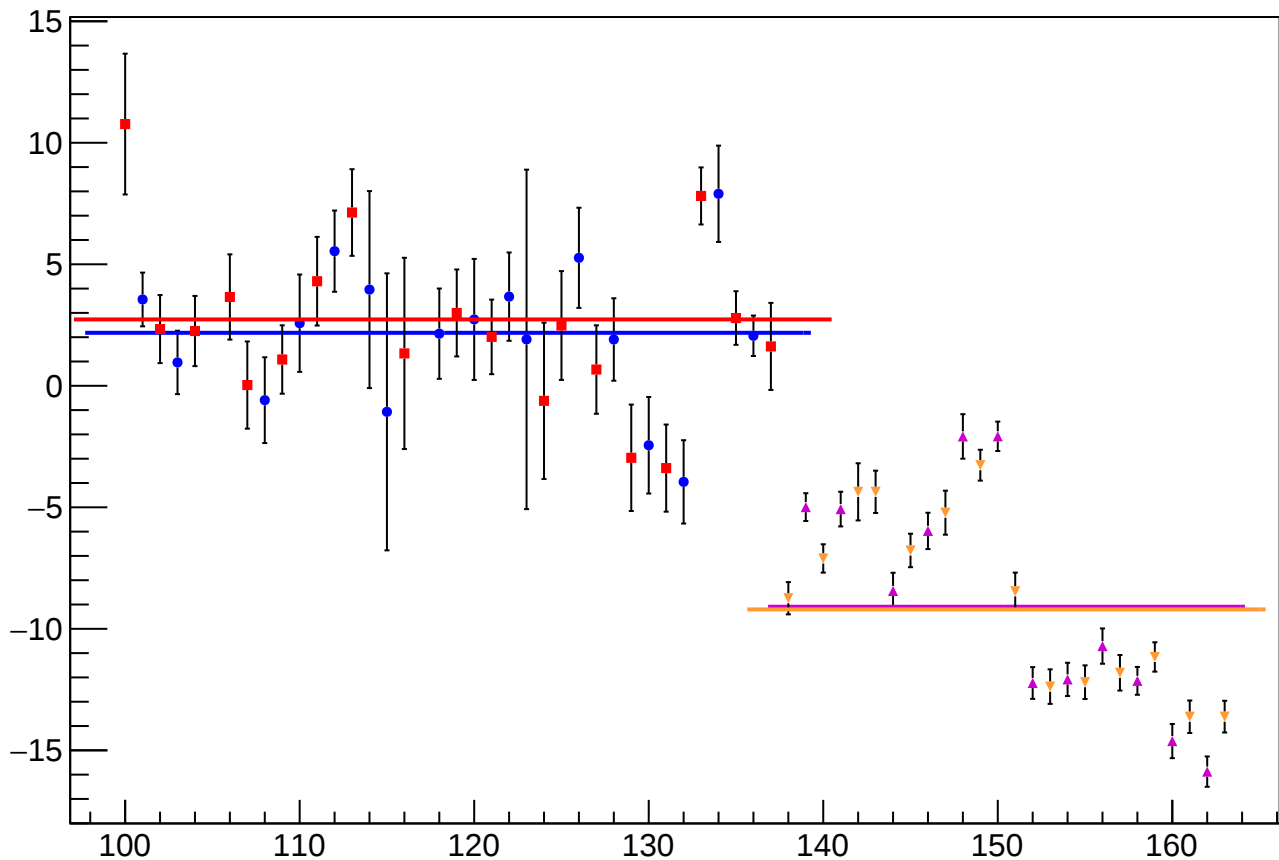
Right: -59.697 ± 0.154 χ^2/NDF : 4894.0/35

In: -56.305 ± 0.123 χ^2/NDF : 3172.0/28

Out: -56.045 ± 0.116 χ^2/NDF : 4000.2/32

All: -56.167 ± 0.084 χ^2/NDF : 7174.6/61

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.181 $\pm$ 0.406 χ^2 /NDF: 39.0/16

Left Out: -9.202 $\pm$ 0.189 χ^2 /NDF: 332.6/13

Right Out: 2.731 $\pm$ 0.388 χ^2 /NDF: 58.9/18

Left In: -9.091 $\pm$ 0.194 χ^2 /NDF: 549.5/11

Left: -9.148 $\pm$ 0.135 χ^2 /NDF: 882.2/25

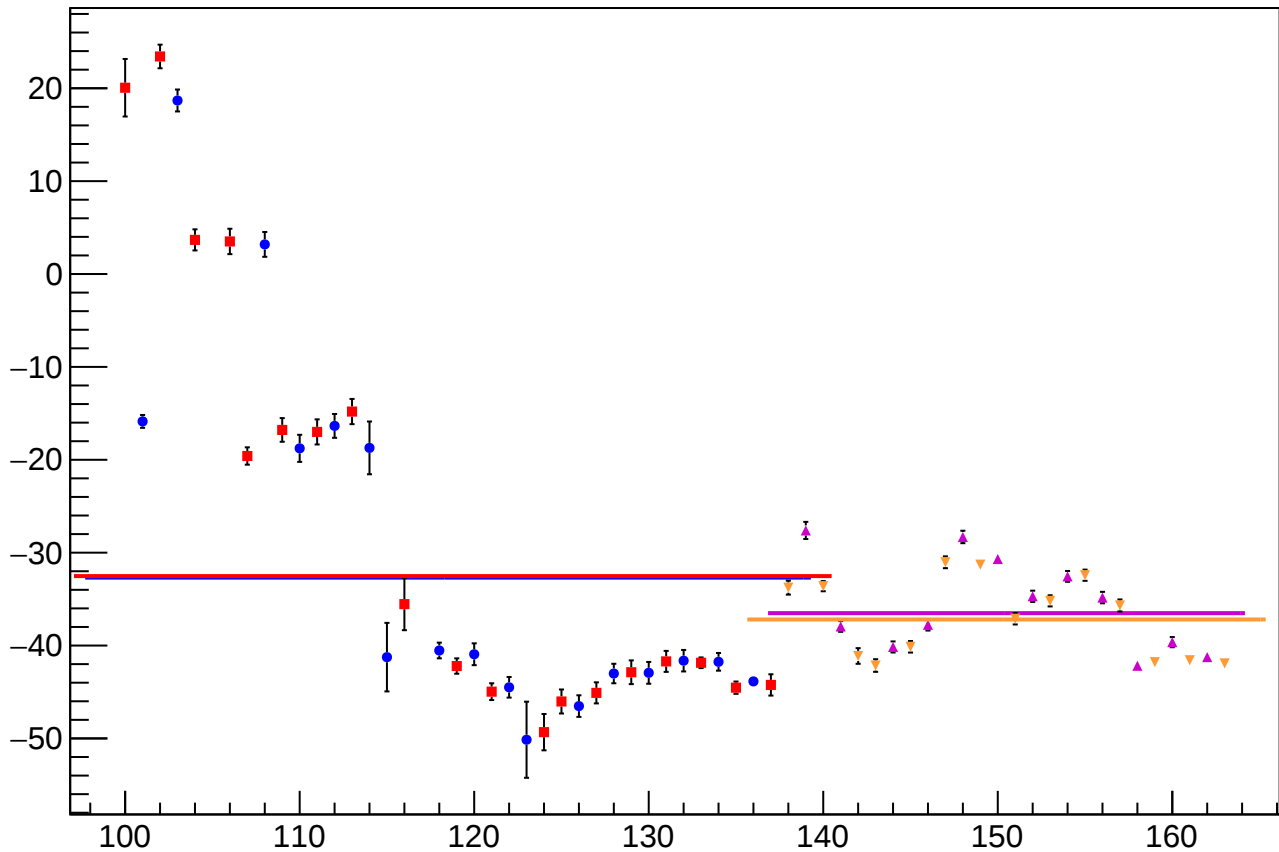
Right: 2.468 $\pm$ 0.280 χ^2 /NDF: 98.9/35

In: -6.989 $\pm$ 0.175 χ^2 /NDF: 1216.6/28

Out: -6.914 $\pm$ 0.170 χ^2 /NDF: 1156.1/32

All: -6.950 $\pm$ 0.122 χ^2 /NDF: 2372.8/61

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: -37.195 ± 0.159 $\chi^2/\text{NDF}: 698.7/13$

Right Out: -32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/18$

Left In: -36.510 ± 0.168 $\chi^2/\text{NDF}: 750.3/11$

Left: -36.869 ± 0.115 $\chi^2/\text{NDF}: 1457.7/25$

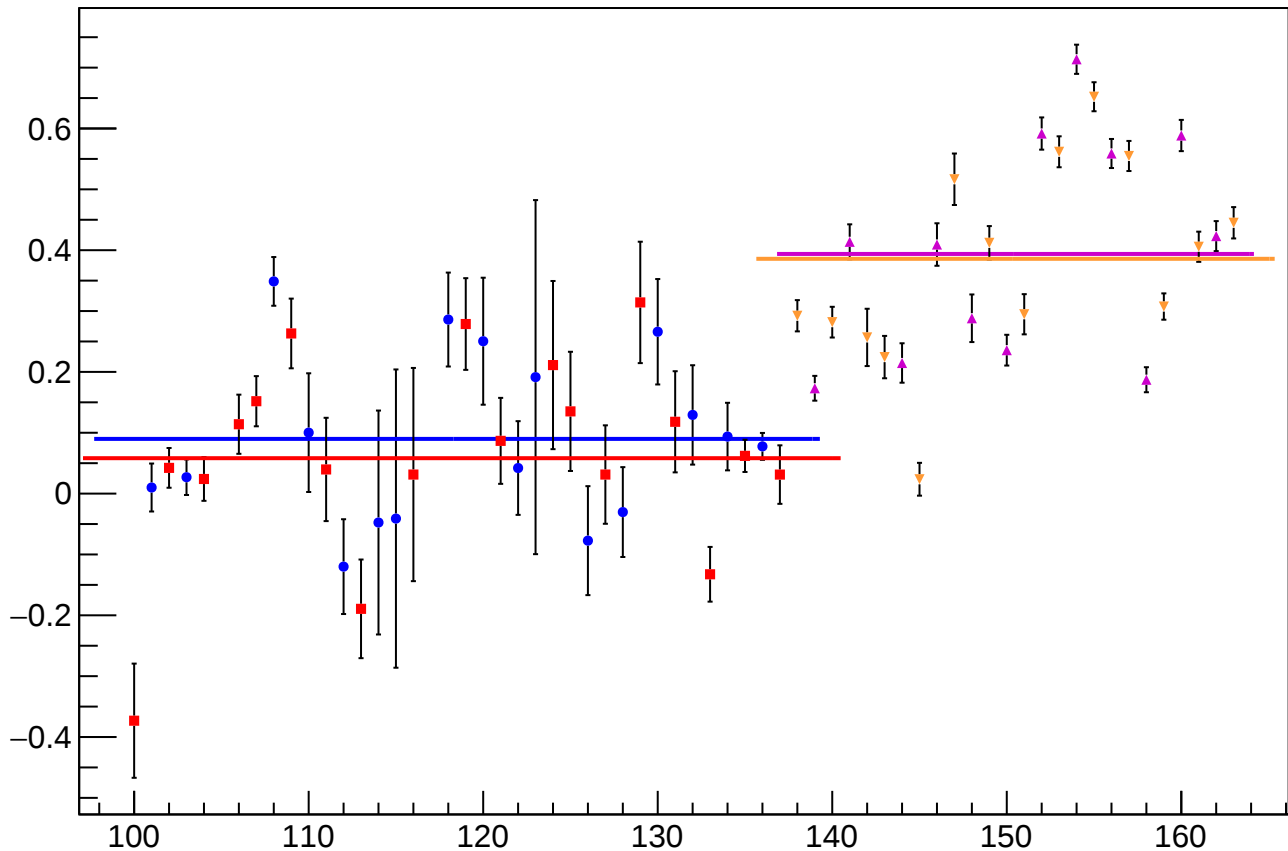
Right: -32.599 ± 0.177 $\chi^2/\text{NDF}: 10692.4/35$

In: -35.361 ± 0.140 $\chi^2/\text{NDF}: 5553.9/28$

Out: -35.797 ± 0.133 $\chi^2/\text{NDF}: 7000.9/32$

All: -35.590 ± 0.097 $\chi^2/\text{NDF}: 12559.9/61$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.090 $\pm$ 0.013 χ^2 /NDF: 78.8/16

Left Out: 0.386 $\pm$ 0.007 χ^2 /NDF:496.3/13

Right Out: 0.058 $\pm$ 0.012 χ^2 /NDF: 87.1/18

Left In: 0.394 $\pm$ 0.007 χ^2 /NDF:636.3/11

Left: 0.390 $\pm$ 0.005 χ^2 /NDF: 1133.2/25

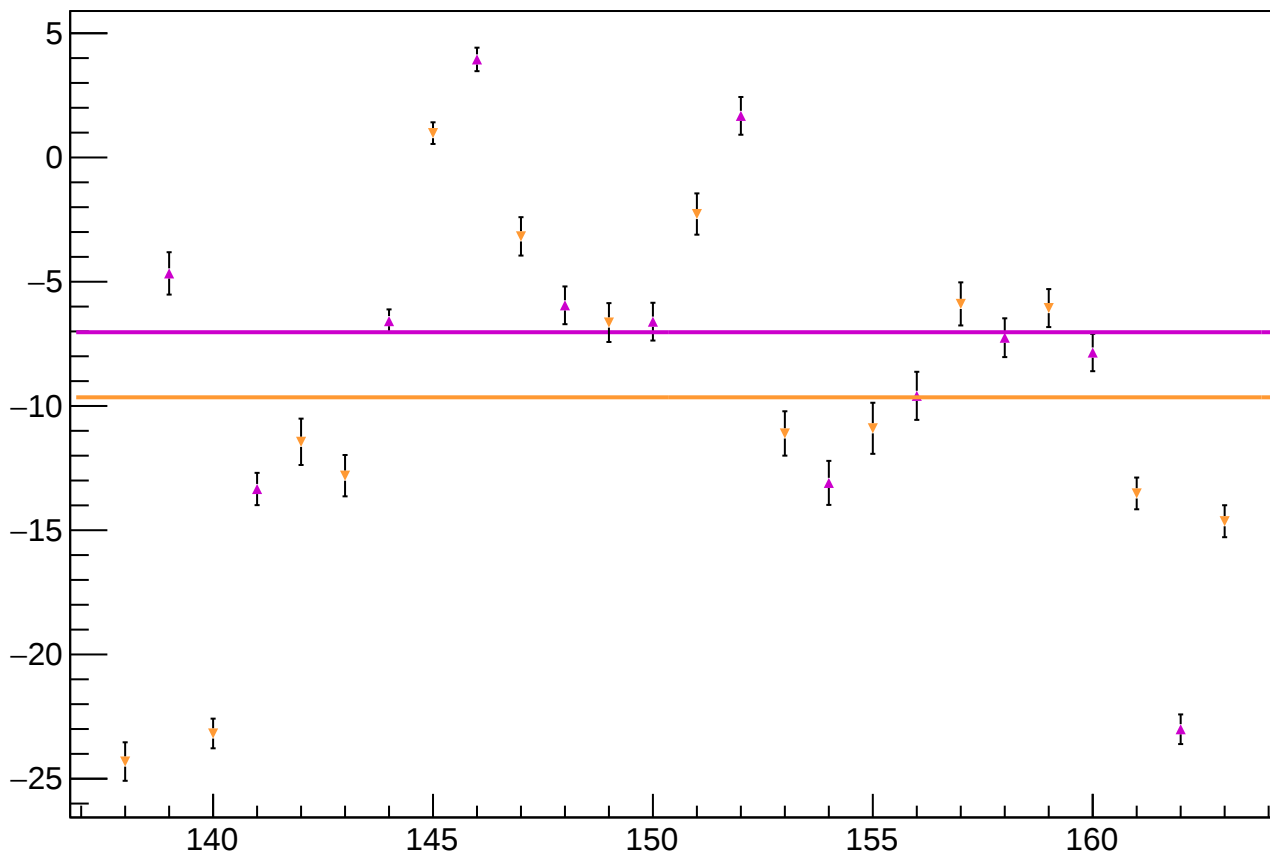
Right: 0.073 $\pm$ 0.009 χ^2 /NDF: 169.1/35

In: 0.317 $\pm$ 0.006 χ^2 /NDF:1139.2/28

Out: 0.299 $\pm$ 0.006 χ^2 /NDF:1116.2/32

All: 0.308 $\pm$ 0.004 χ^2 /NDF: 2259.3/61

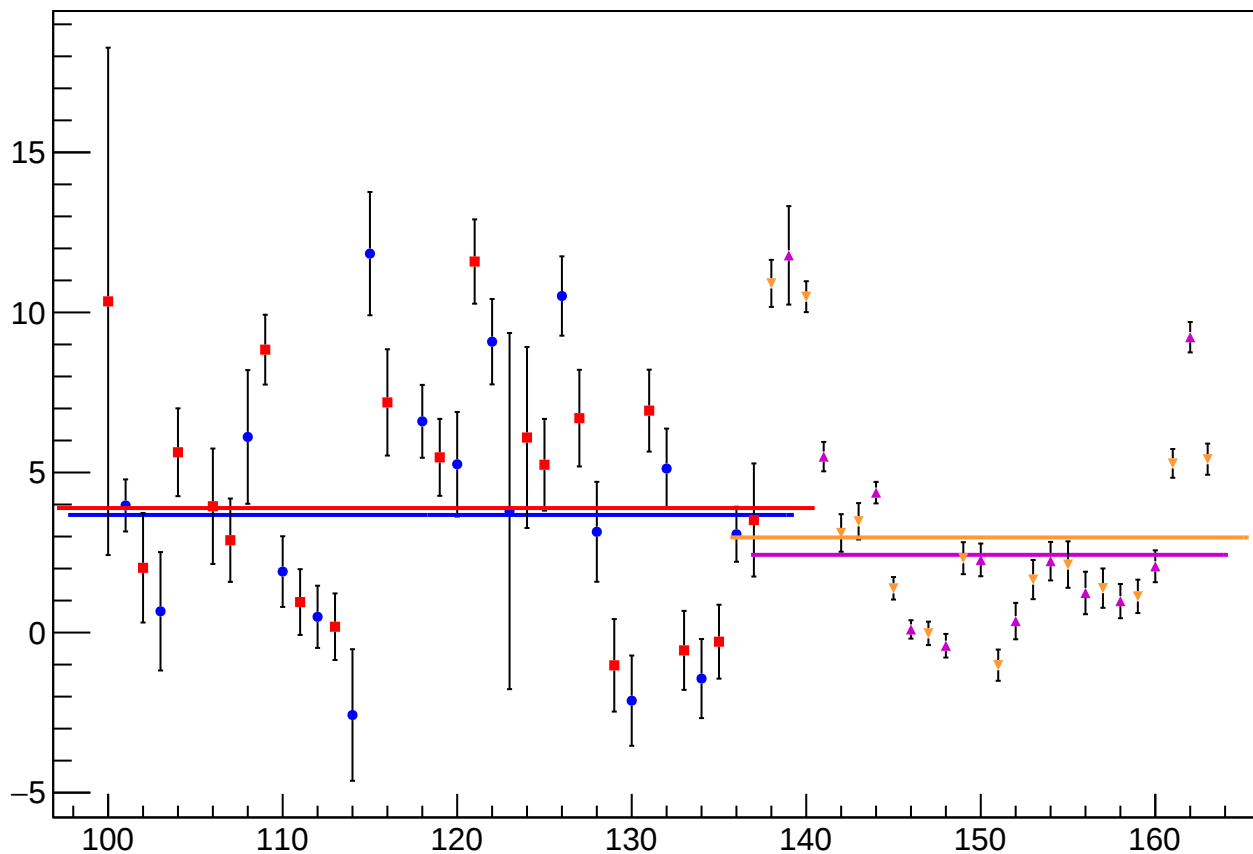
reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -9.651+/-0.192 χ^2/NDF :1790.3/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -7.032+/-0.194 χ^2/NDF :1548.6/11

Left: -8.359+/-0.136 χ^2/NDF : 3431.0/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -7.032+/-0.194 χ^2/NDF :1548.6/11
 Out: -9.651+/-0.192 χ^2/NDF :1790.3/13
 All: -8.359+/-0.136 χ^2/NDF : 3431.0/25

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.675 ± 0.310 $\chi^2/\text{NDF}: 135.2/16$

Left Out: 2.973 ± 0.134 $\chi^2/\text{NDF}: 593.6/13$

Right Out: 3.890 ± 0.316 $\chi^2/\text{NDF}: 133.7/18$

Left In: 2.429 ± 0.132 $\chi^2/\text{NDF}: 469.8/11$

Left: 2.697 ± 0.094 $\chi^2/\text{NDF}: 1071.7/25$

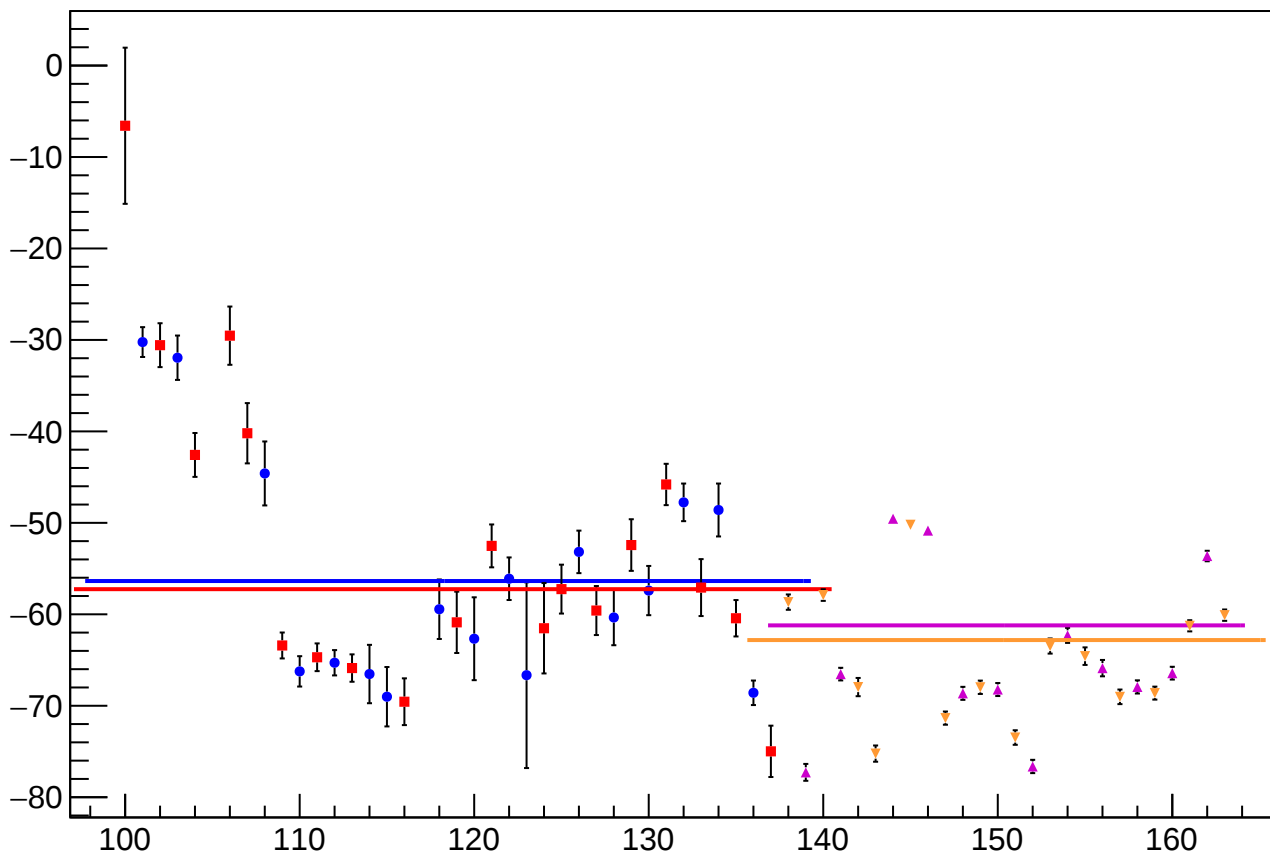
Right: 3.780 ± 0.221 $\chi^2/\text{NDF}: 269.1/35$

In: 2.619 ± 0.121 $\chi^2/\text{NDF}: 618.6/28$

Out: 3.111 ± 0.123 $\chi^2/\text{NDF}: 734.4/32$

All: 2.862 ± 0.086 $\chi^2/\text{NDF}: 1361.1/61$

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -56.362 $\pm$ 0.543 χ^2 /NDF: 587.2/16

Left Out: -62.816 $\pm$ 0.190 χ^2 /NDF:1571.8/13

Right Out: -57.252 $\pm$ 0.536 χ^2 /NDF: 476.0/18

Left In: -61.211 $\pm$ 0.190 χ^2 /NDF:2418.6/11

Left: -62.013 $\pm$ 0.135 χ^2 /NDF: 4025.9/25

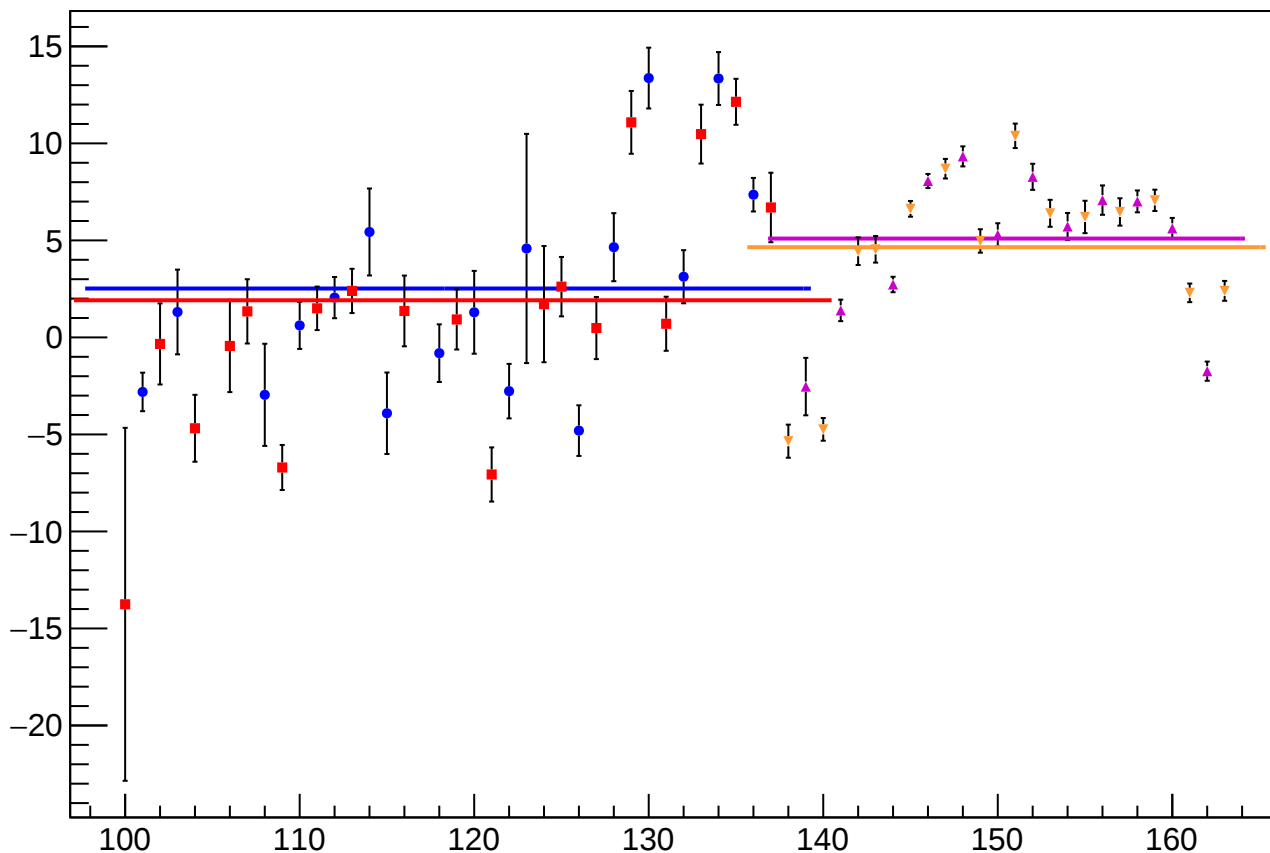
Right: -56.813 $\pm$ 0.382 χ^2 /NDF: 1064.6/35

In: -60.681 $\pm$ 0.180 χ^2 /NDF:3076.8/28

Out: -62.192 $\pm$ 0.179 χ^2 /NDF:2143.4/32

All: -61.437 $\pm$ 0.127 χ^2 /NDF: 5255.7/61

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: 4.649 ± 0.157 χ^2/NDF : 645.8/13

Right Out: 1.914 ± 0.355 χ^2/NDF : 264.5/18

Left In: 5.094 ± 0.157 χ^2/NDF : 473.2/11

Left: 4.872 ± 0.111 χ^2/NDF : 1123.1/25

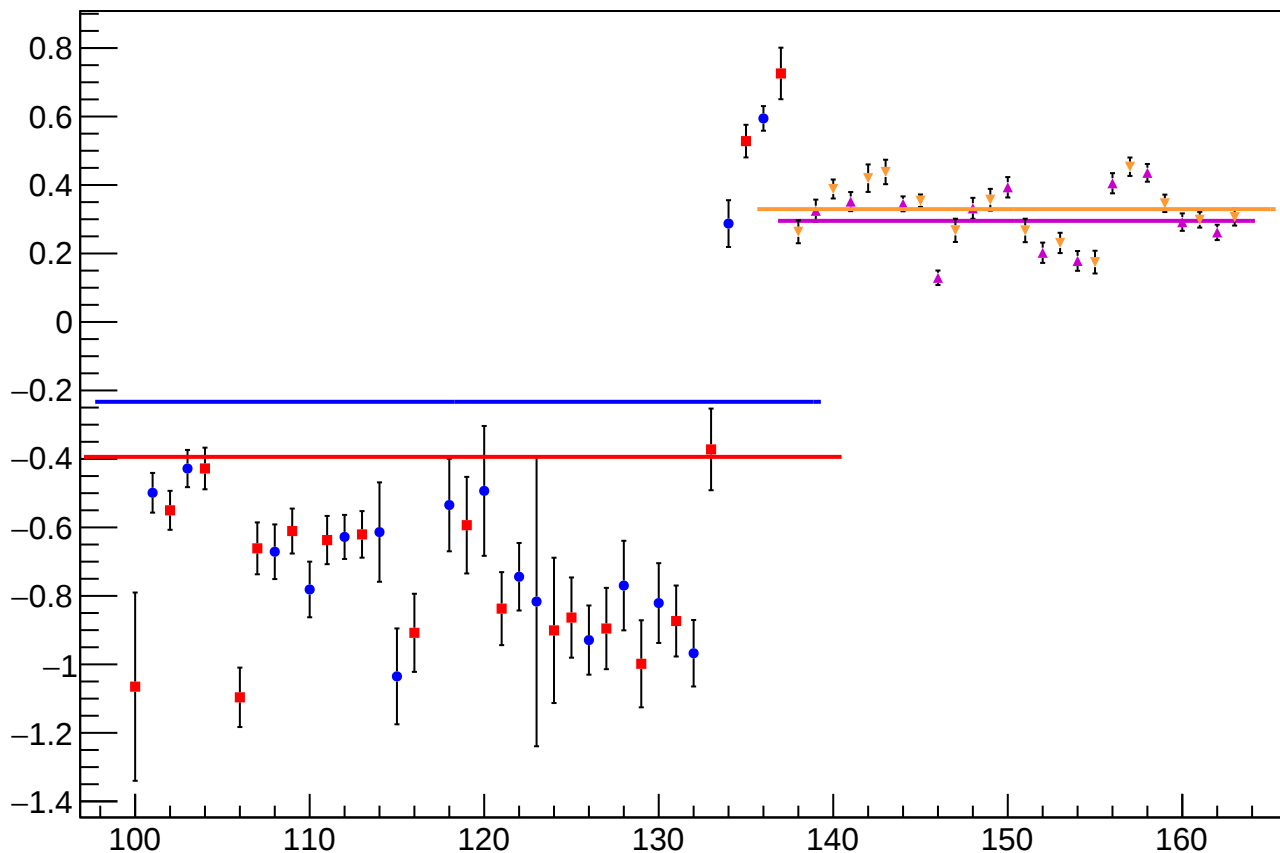
Right: 2.224 ± 0.248 χ^2/NDF : 508.4/35

In: 4.659 ± 0.143 χ^2/NDF : 761.3/28

Out: 4.202 ± 0.143 χ^2/NDF : 960.0/32

All: 4.431 ± 0.101 χ^2/NDF : 1726.4/61

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: 0.330 ± 0.007 χ^2/NDF : 89.1/13

Right Out: -0.394 ± 0.019 χ^2/NDF : 845.2/18

Left In: 0.295 ± 0.008 χ^2/NDF : 155.8/11

Left: 0.313 ± 0.005 χ^2/NDF : 255.2/25

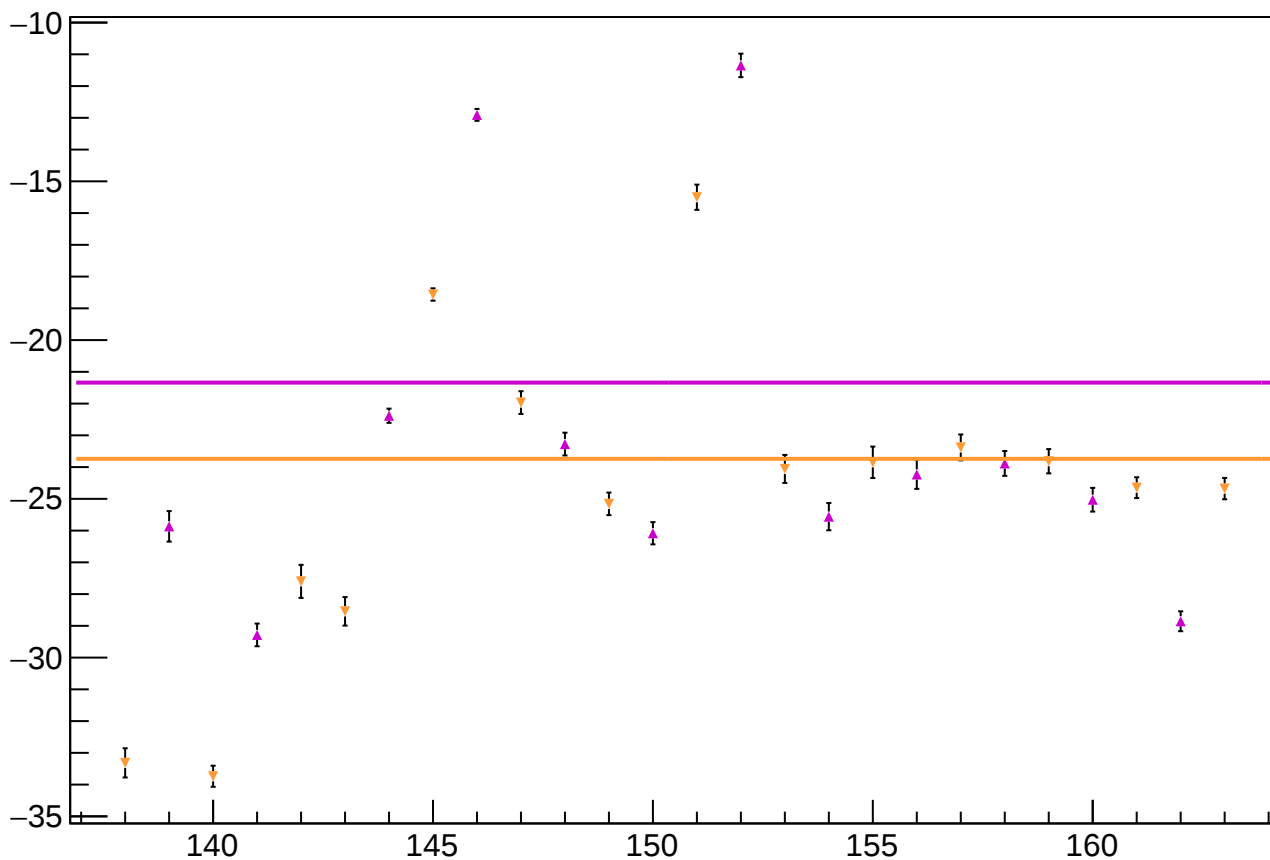
Right: -0.313 ± 0.013 χ^2/NDF : 1838.0/35

In: 0.222 ± 0.007 χ^2/NDF : 1784.9/28

Out: 0.232 ± 0.007 χ^2/NDF : 2191.0/32

All: 0.227 ± 0.005 χ^2/NDF : 3977.1/61

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



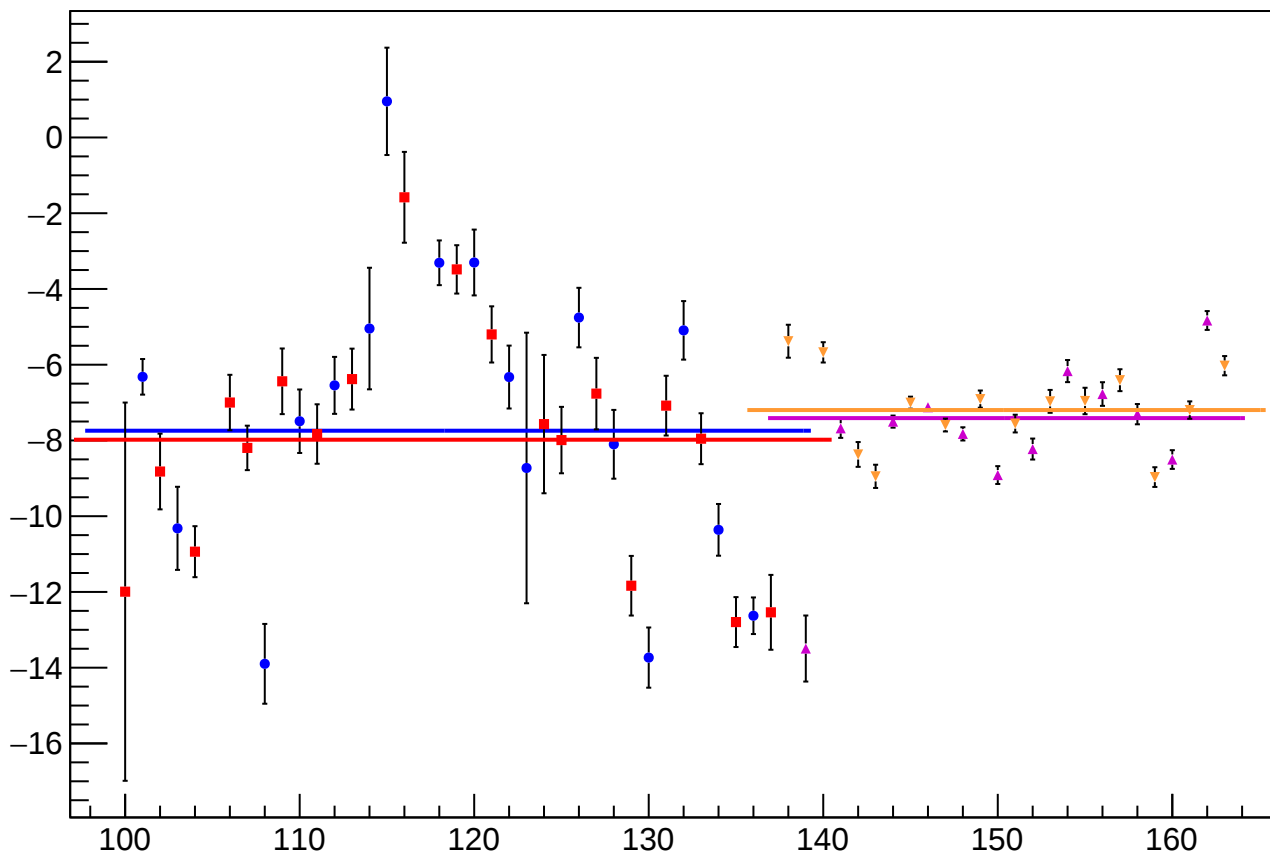
Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -23.740 ± 0.095 $\chi^2/\text{NDF}: 2701.9/13$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -21.339 ± 0.092 $\chi^2/\text{NDF}: 4425.7/11$

Left: -22.504 ± 0.066 $\chi^2/\text{NDF}: 7457.5/25$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -21.339 ± 0.092 $\chi^2/\text{NDF}: 4425.7/11$
 Out: -23.740 ± 0.095 $\chi^2/\text{NDF}: 2701.9/13$

All: -22.504 ± 0.066 $\chi^2/\text{NDF}: 7457.5/25$

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: -7.197 ± 0.066 χ^2/NDF : 182.0/13

Right Out: -7.981 ± 0.186 χ^2/NDF : 223.5/18

Left In: -7.410 ± 0.062 χ^2/NDF : 260.8/11

Left: -7.310 ± 0.045 χ^2/NDF : 448.4/25

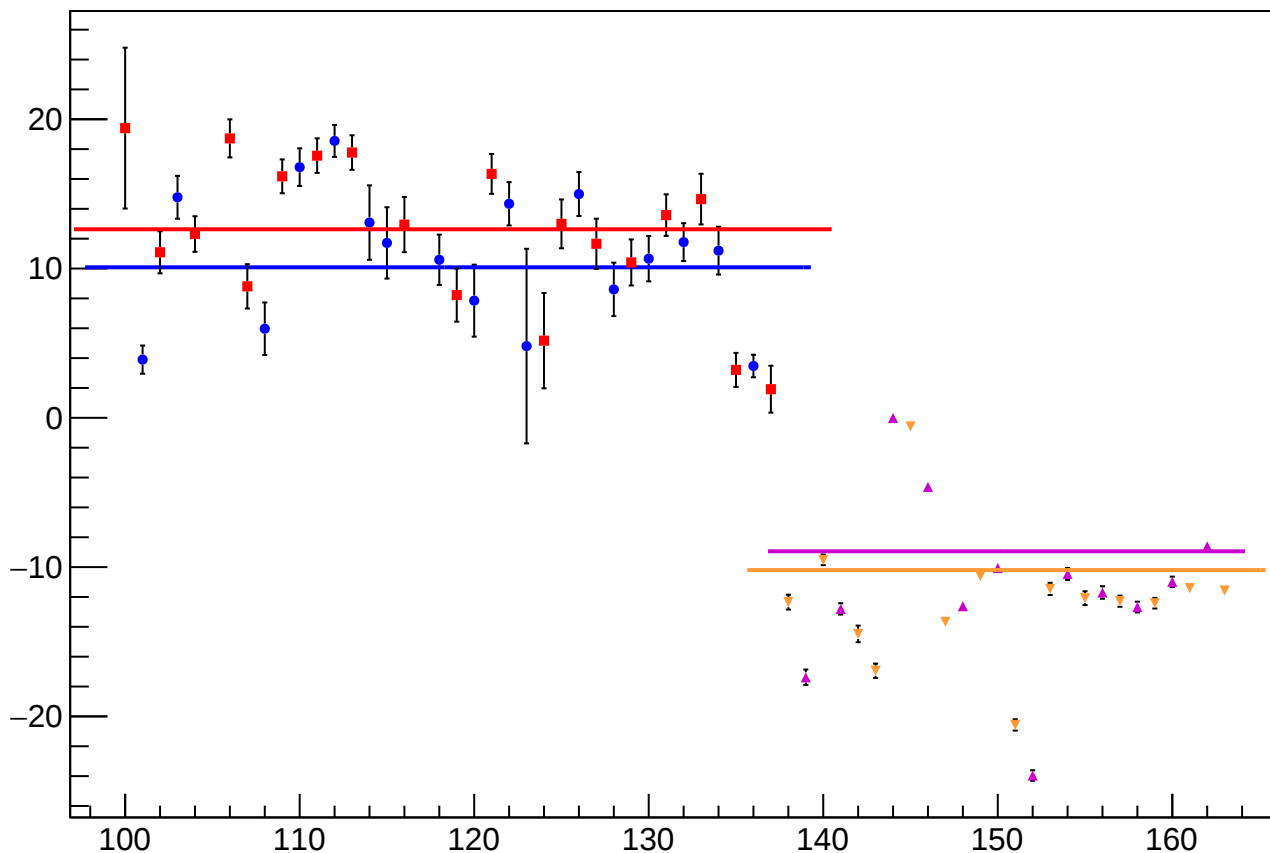
Right: -7.863 ± 0.132 χ^2/NDF : 601.9/35

In: -7.443 ± 0.059 χ^2/NDF : 641.2/28

Out: -7.284 ± 0.062 χ^2/NDF : 421.3/32

All: -7.368 ± 0.043 χ^2/NDF : 1065.9/61

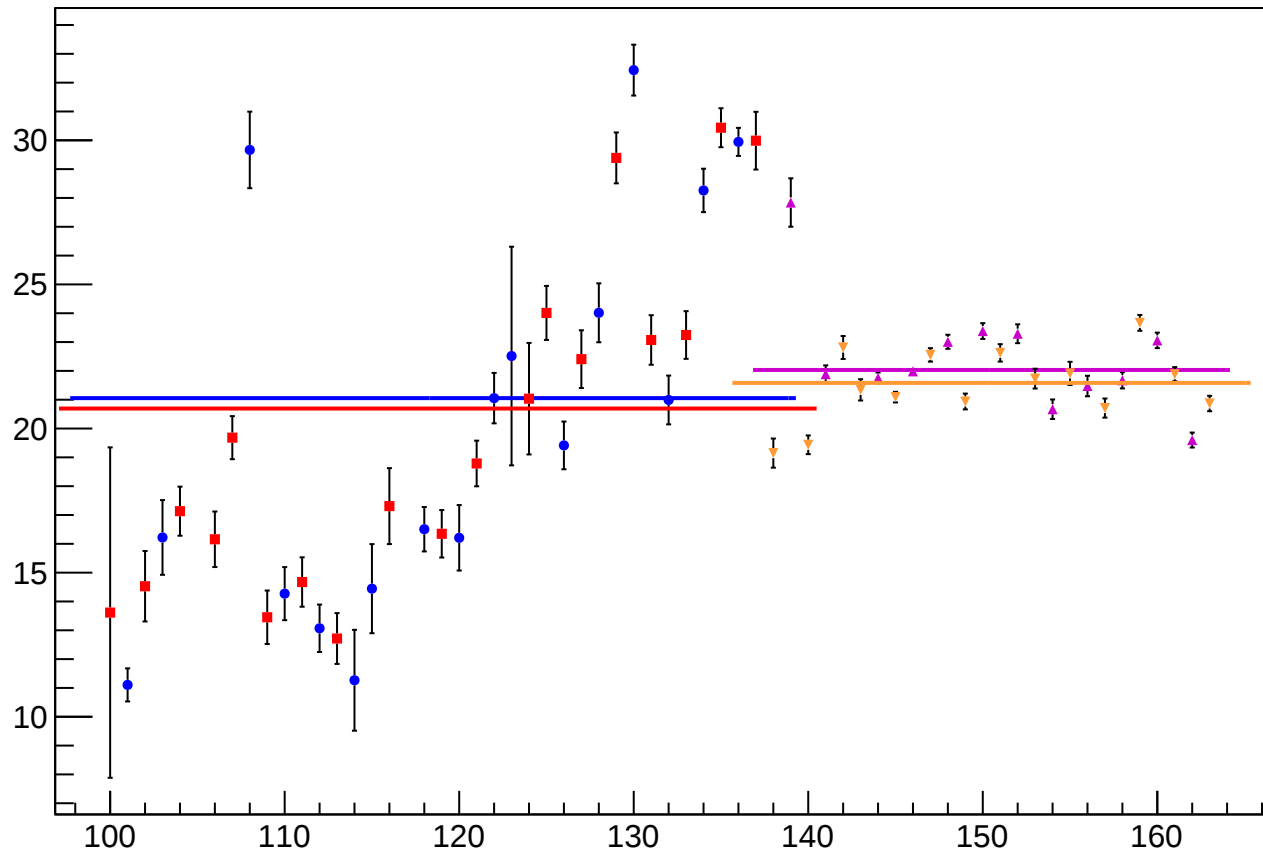
reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 10.083 ± 0.338 $\chi^2/\text{NDF}: 252.7/16$
 Left Out: -10.200 ± 0.094 $\chi^2/\text{NDF}: 3441.2/13$
 Right Out: 12.632 ± 0.333 $\chi^2/\text{NDF}: 218.6/18$
 Left In: -8.940 ± 0.090 $\chi^2/\text{NDF}: 4459.3/11$

Left: -9.543 ± 0.065 $\chi^2/\text{NDF}: 7994.5/25$
 Right: 11.377 ± 0.237 $\chi^2/\text{NDF}: 500.1/35$
 In: -7.684 ± 0.087 $\chi^2/\text{NDF}: 7671.7/28$
 Out: -8.517 ± 0.090 $\chi^2/\text{NDF}: 8023.1/32$
 All: -8.084 ± 0.063 $\chi^2/\text{NDF}: 15739.0/61$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 21.055 $\pm$ 0.211 χ^2 /NDF: 1211.8/16

Left Out: 21.584 $\pm$ 0.077 χ^2 /NDF:192.8/13

Right Out: 20.694 $\pm$ 0.213 χ^2 /NDF: 724.1/18

Left In: 22.033 $\pm$ 0.074 χ^2 /NDF:228.2/11

Left: 21.819 $\pm$ 0.053 χ^2 /NDF: 438.7/25

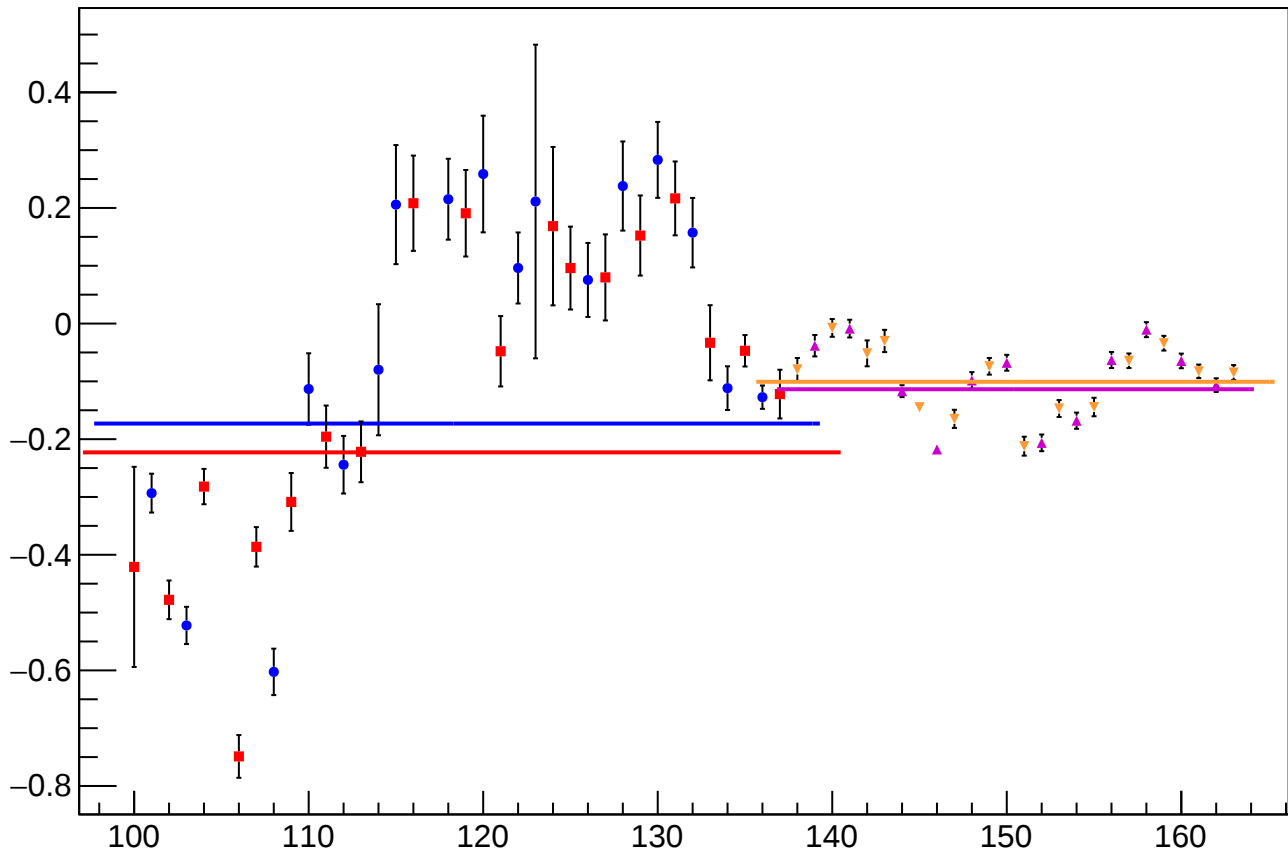
Right: 20.876 $\pm$ 0.150 χ^2 /NDF: 1937.3/35

In: 21.926 $\pm$ 0.070 χ^2 /NDF:1459.2/28

Out: 21.480 $\pm$ 0.073 χ^2 /NDF:932.3/32

All: 21.713 $\pm$ 0.050 χ^2 /NDF: 2411.2/61

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: -0.101 ± 0.004 χ^2/NDF : 209.3/13

Right Out: -0.223 ± 0.011 χ^2/NDF : 535.1/18

Left In: -0.114 ± 0.004 χ^2/NDF : 375.8/11

Left: -0.107 ± 0.003 χ^2/NDF : 591.3/25

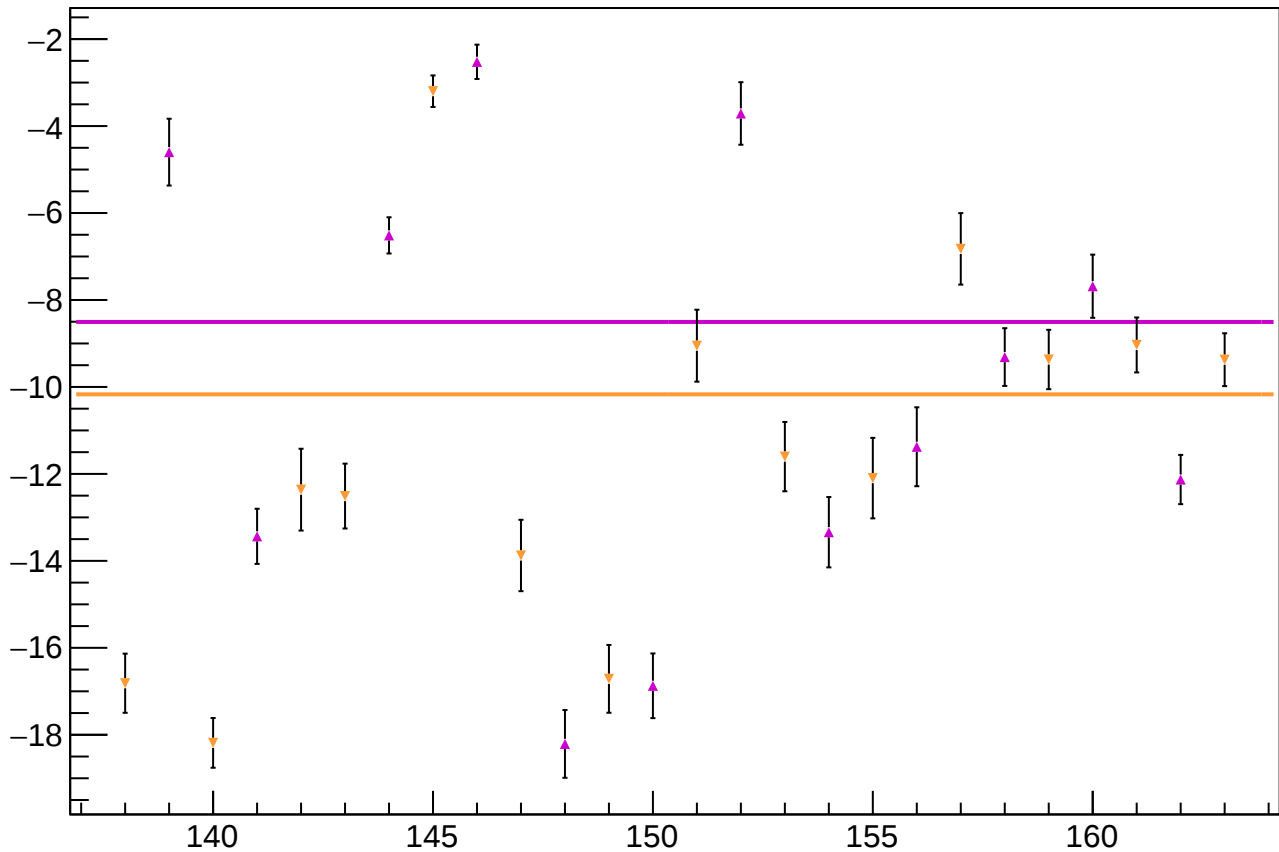
Right: -0.198 ± 0.008 χ^2/NDF : 1007.1/35

In: -0.119 ± 0.003 χ^2/NDF : 863.0/28

Out: -0.113 ± 0.003 χ^2/NDF : 856.0/32

All: -0.116 ± 0.002 χ^2/NDF : 1720.6/61

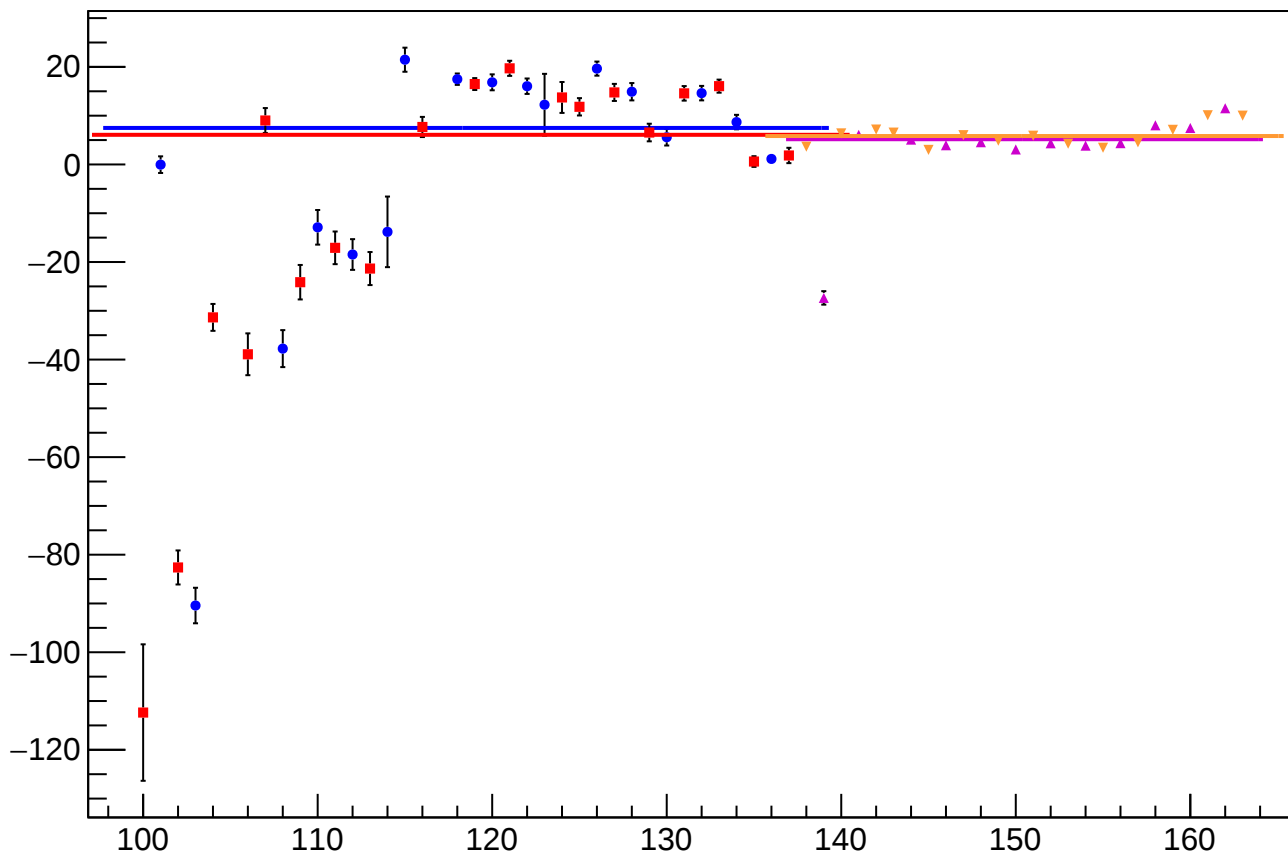
reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -10.170+/-0.177 χ^2/NDF :799.7/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -8.505+/-0.177 χ^2/NDF :754.8/11

Left: -9.339+/-0.125 χ^2/NDF : 1598.6/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -8.505+/-0.177 χ^2/NDF :754.8/11
 Out: -10.170+/-0.177 χ^2/NDF :799.7/13
 All: -9.339+/-0.125 χ^2/NDF : 1598.6/25

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.488 ± 0.407 $\chi^2/\text{NDF}: 1340.5/16$

Left Out: 5.827 ± 0.125 $\chi^2/\text{NDF}: 330.0/13$

Right Out: 6.078 ± 0.434 $\chi^2/\text{NDF}: 1512.1/18$

Left In: 5.174 ± 0.122 $\chi^2/\text{NDF}: 872.7/11$

Left: 5.492 ± 0.087 $\chi^2/\text{NDF}: 1216.6/25$

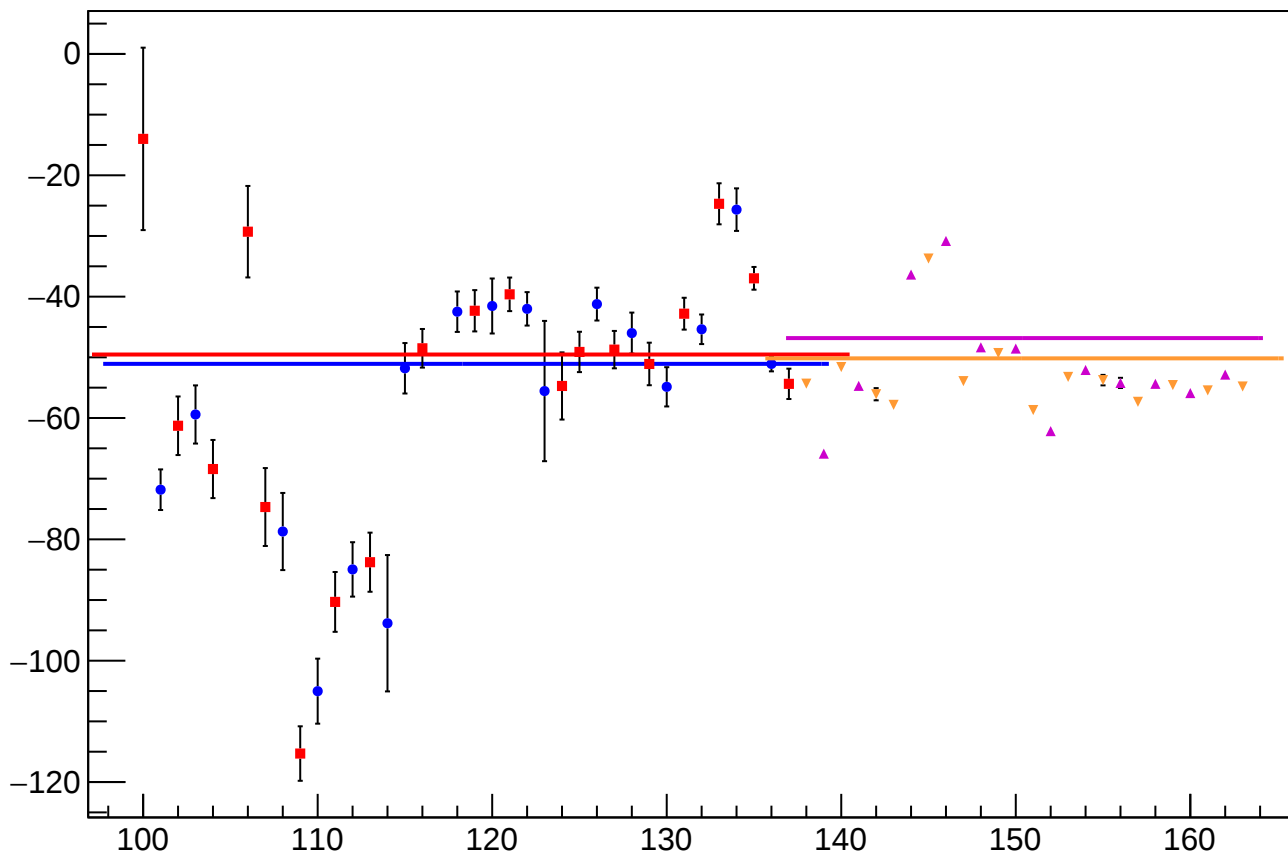
Right: 6.829 ± 0.297 $\chi^2/\text{NDF}: 2858.2/35$

In: 5.365 ± 0.117 $\chi^2/\text{NDF}: 2242.9/28$

Out: 5.847 ± 0.120 $\chi^2/\text{NDF}: 1842.4/32$

All: 5.599 ± 0.084 $\chi^2/\text{NDF}: 4093.5/61$

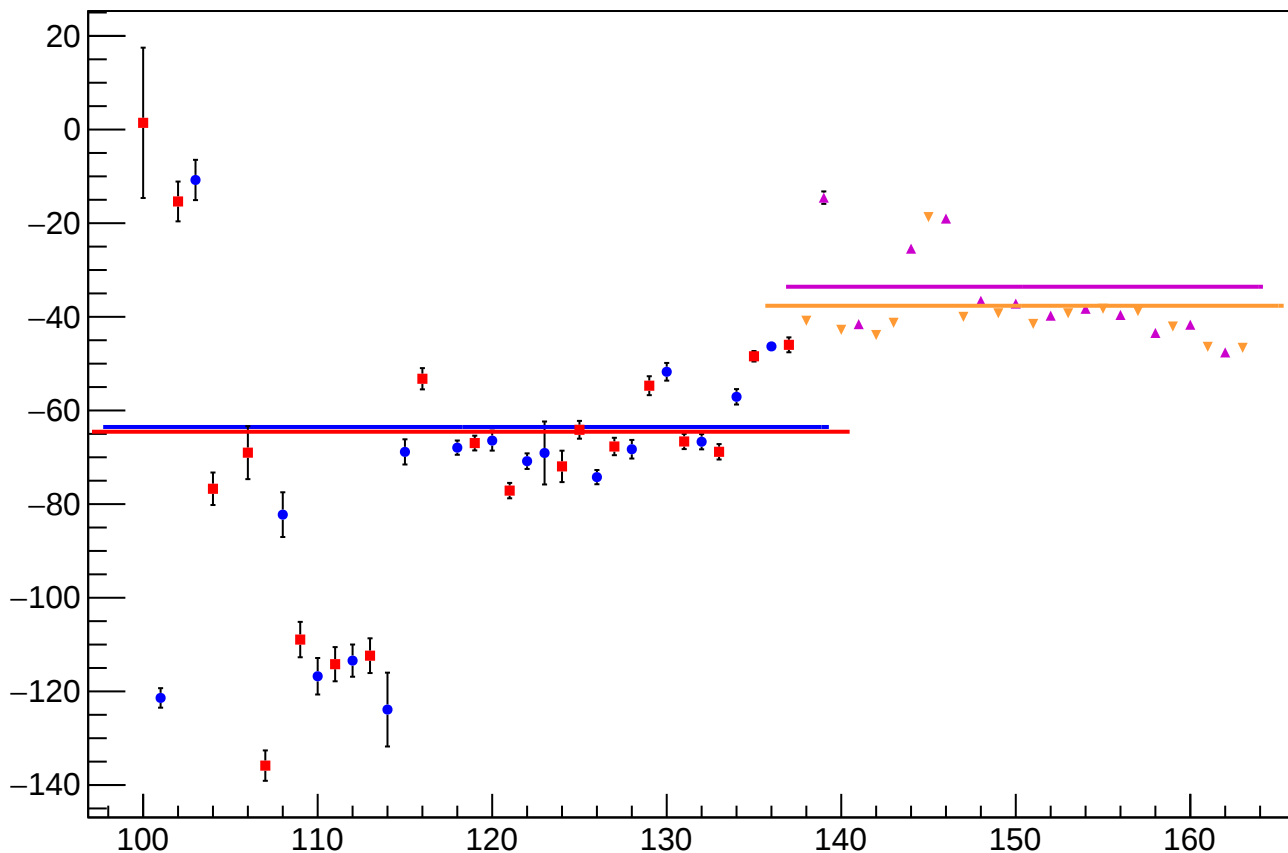
reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -51.077 ± 0.741 χ^2/NDF : 330.2/16
 Left Out: -50.172 ± 0.177 χ^2/NDF : 2419.2/13
 Right Out: -49.537 ± 0.798 χ^2/NDF : 509.6/18
 Left In: -46.831 ± 0.174 χ^2/NDF : 4072.9/11

Left: -48.474 ± 0.124 χ^2/NDF : 6673.6/25
 Right: -50.365 ± 0.543 χ^2/NDF : 841.8/35
 In: -47.052 ± 0.169 χ^2/NDF : 4434.2/28
 Out: -50.142 ± 0.173 χ^2/NDF : 2929.4/32
 All: -48.568 ± 0.121 χ^2/NDF : 7526.9/61

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: -37.637 ± 0.146 χ^2/NDF : 4271.9/13

Right Out: -64.540 ± 0.483 χ^2/NDF : 1603.1/18

Left In: -33.571 ± 0.144 χ^2/NDF : 4941.3/11

Left: -35.575 ± 0.103 χ^2/NDF : 9604.9/25

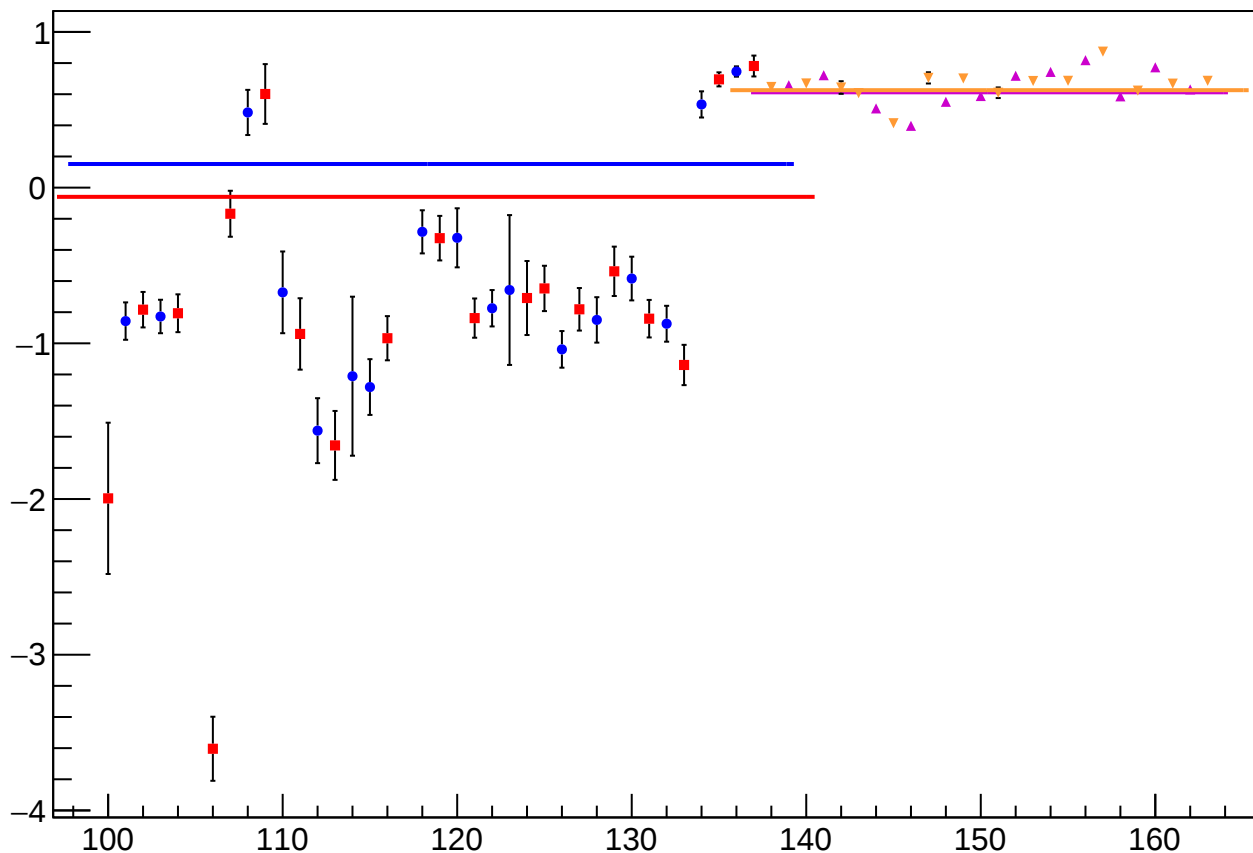
Right: -63.995 ± 0.329 χ^2/NDF : 3616.4/35

In: -36.376 ± 0.137 χ^2/NDF : 10992.1/28

Out: -39.897 ± 0.140 χ^2/NDF : 8717.2/32

All: -38.102 ± 0.098 χ^2/NDF : 20031.9/61

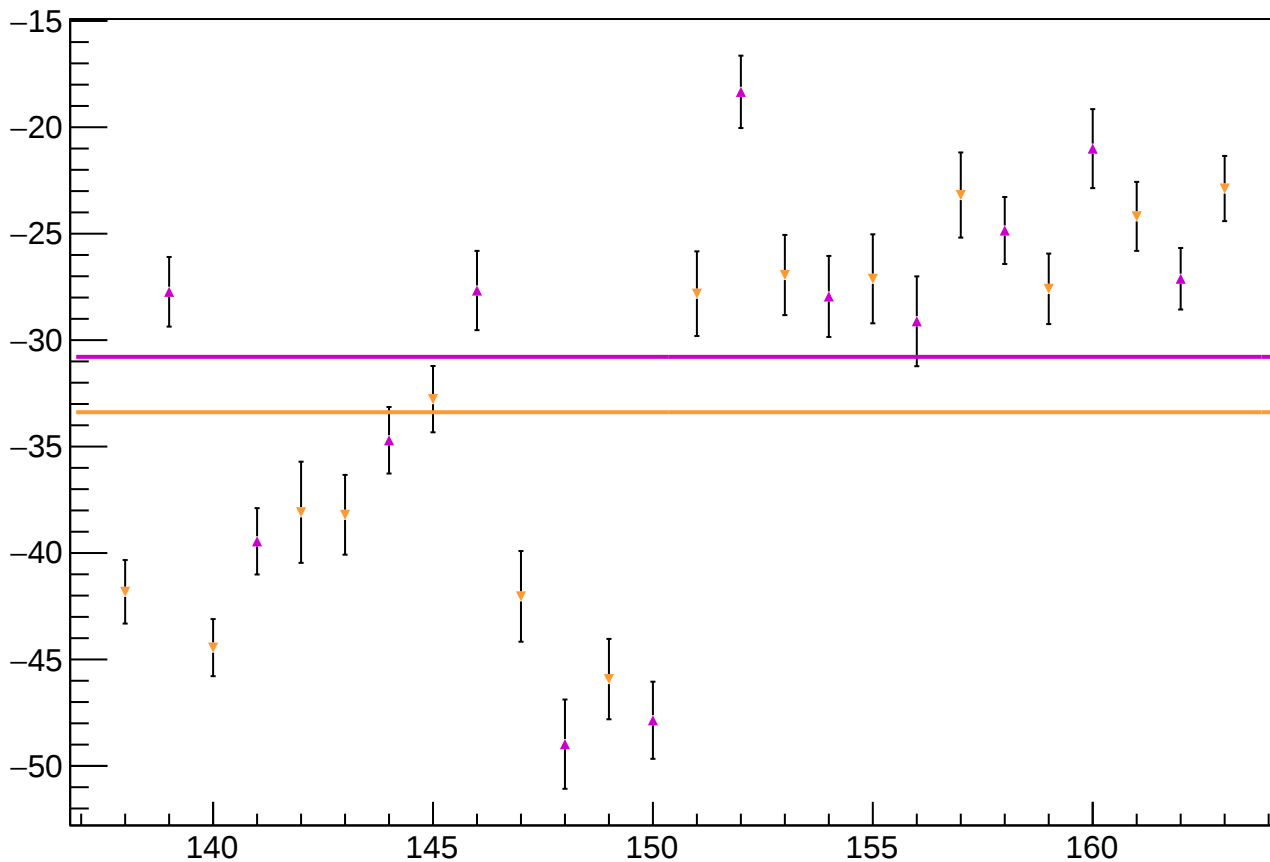
reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.152 ± 0.024 χ^2/NDF : 987.4/16
 Left Out: 0.626 ± 0.007 χ^2/NDF : 322.9/13
 Right Out: -0.059 ± 0.026 χ^2/NDF : 1161.9/18
 Left In: 0.612 ± 0.007 χ^2/NDF : 336.6/11

Left: 0.619 ± 0.005 χ^2/NDF : 661.5/25
 Right: 0.056 ± 0.018 χ^2/NDF : 2184.3/35
 In: 0.576 ± 0.007 χ^2/NDF : 1662.4/28
 Out: 0.582 ± 0.007 χ^2/NDF : 2119.8/32
 All: 0.579 ± 0.005 χ^2/NDF : 3782.6/61

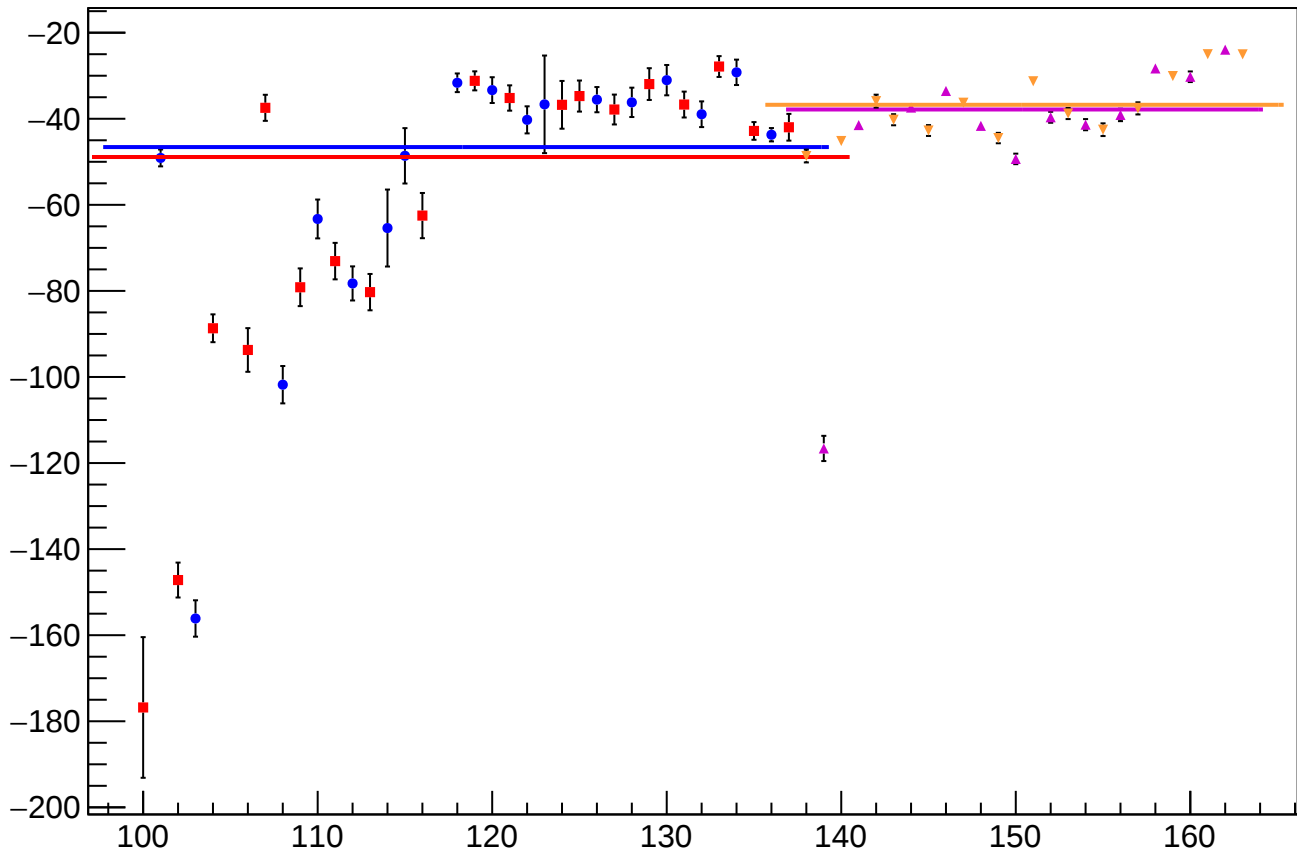
reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -33.387+/-0.468 χ^2/NDF :317.3/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -30.785+/-0.498 χ^2/NDF :312.5/11

Left: -32.166+/-0.341 χ^2/NDF : 644.2/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -30.785+/-0.498 χ^2/NDF :312.5/11
 Out: -33.387+/-0.468 χ^2/NDF :317.3/13
 All: -32.166+/-0.341 χ^2/NDF : 644.2/25

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: -36.754 ± 0.330 χ^2/NDF : 477.0/13

Right Out: -48.888 ± 0.763 χ^2/NDF : 1277.5/18

Left In: -37.848 ± 0.352 χ^2/NDF : 1119.3/11

Left: -37.266 ± 0.241 χ^2/NDF : 1601.4/25

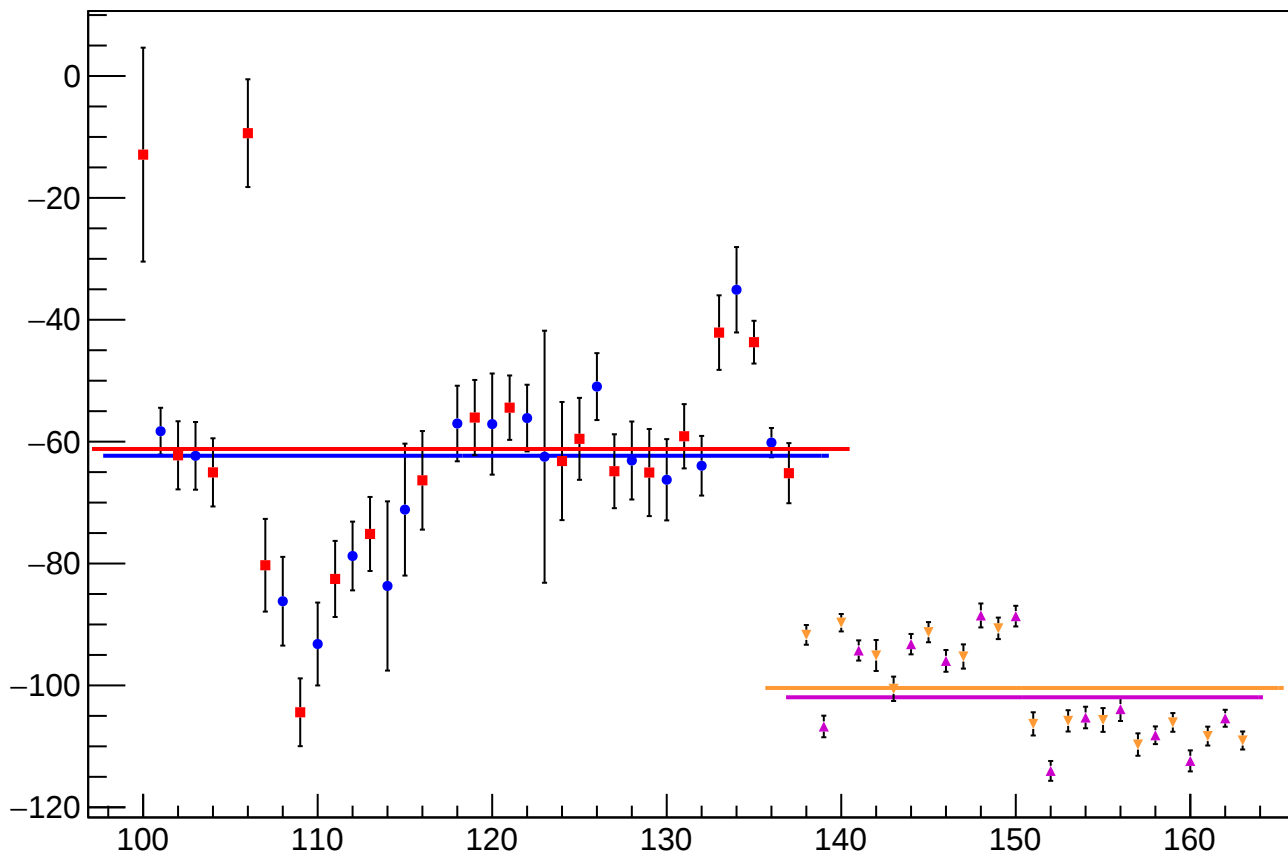
Right: -47.681 ± 0.527 χ^2/NDF : 2358.7/35

In: -39.498 ± 0.317 χ^2/NDF : 2311.8/28

Out: -38.665 ± 0.303 χ^2/NDF : 1967.3/32

All: -39.062 ± 0.219 χ^2/NDF : 4282.7/61

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.315 ± 1.316 $\chi^2/\text{NDF}: 67.1/16$

Left Out: -100.419 ± 0.462 $\chi^2/\text{NDF}: 283.1/13$

Right Out: -61.203 ± 1.381 $\chi^2/\text{NDF}: 165.0/18$

Left In: -101.947 ± 0.485 $\chi^2/\text{NDF}: 296.3/11$

Left: -101.146 ± 0.335 $\chi^2/\text{NDF}: 584.6/25$

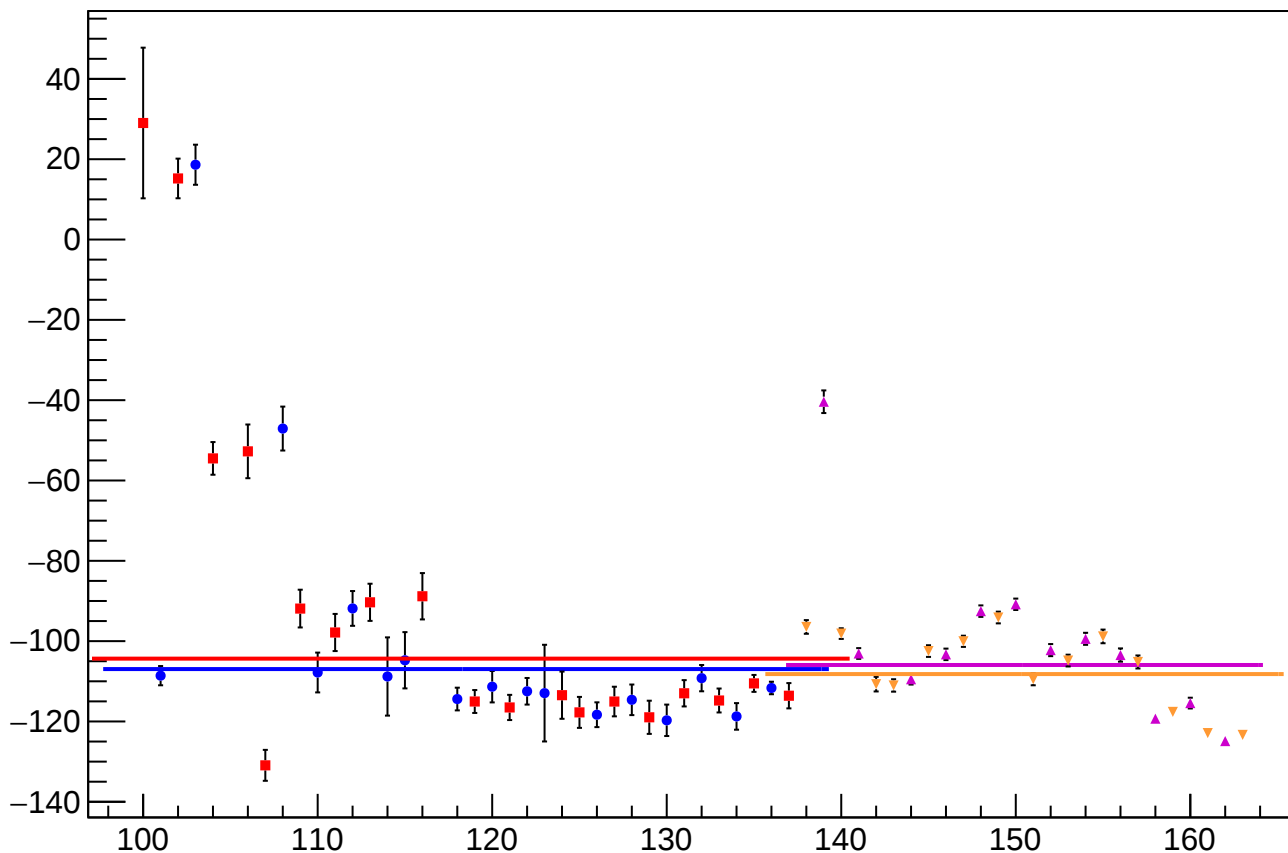
Right: -61.786 ± 0.953 $\chi^2/\text{NDF}: 232.5/35$

In: -97.201 ± 0.455 $\chi^2/\text{NDF}: 1162.3/28$

Out: -96.465 ± 0.439 $\chi^2/\text{NDF}: 1173.2/32$

All: -96.819 ± 0.316 $\chi^2/\text{NDF}: 2336.9/61$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -106.954 ± 0.817 $\chi^2/\text{NDF}: 827.2/16$

Left Out: -108.200 ± 0.385 $\chi^2/\text{NDF}: 654.8/13$

Right Out: -104.356 ± 0.861 $\chi^2/\text{NDF}: 1021.0/18$

Left In: -105.938 ± 0.408 $\chi^2/\text{NDF}: 1219.1/11$

Left: -107.137 ± 0.280 $\chi^2/\text{NDF}: 1890.2/25$

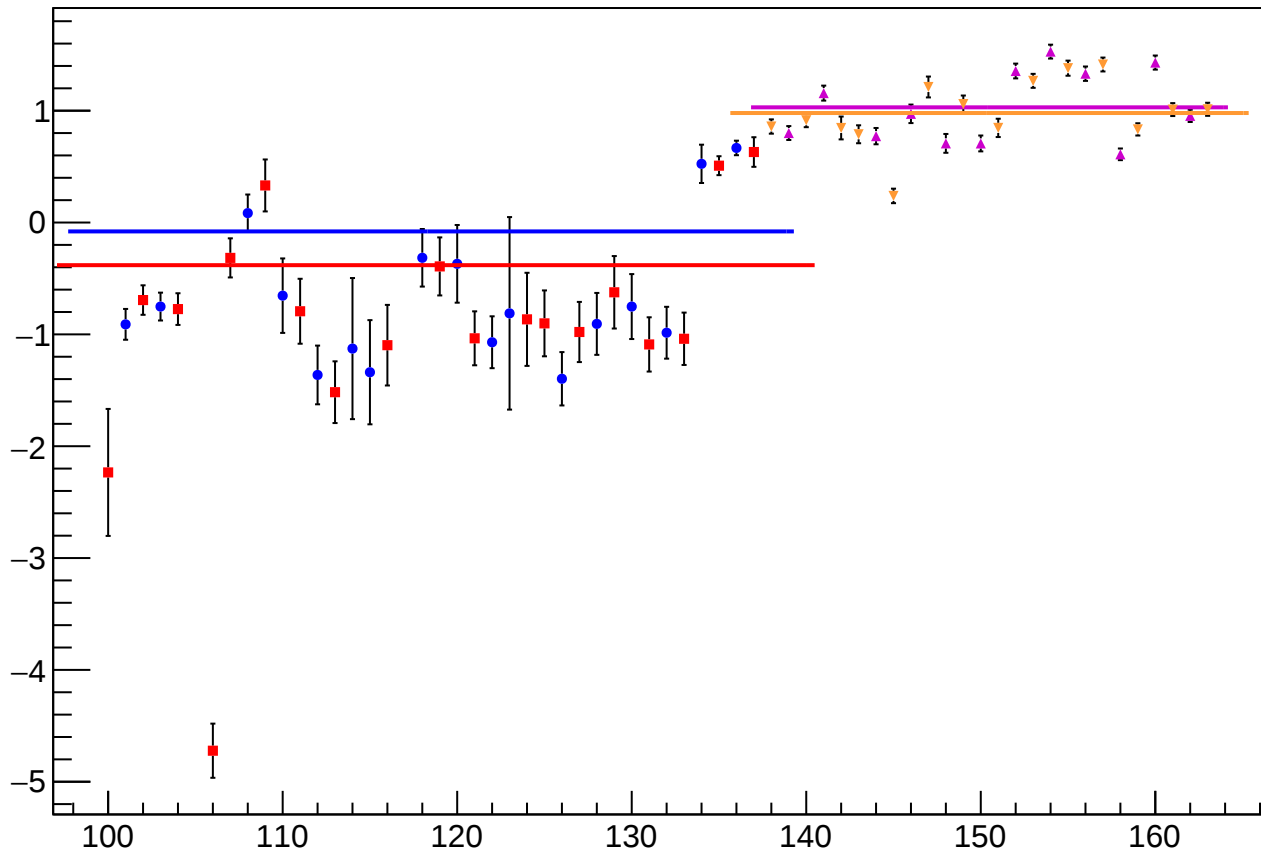
Right: -105.723 ± 0.593 $\chi^2/\text{NDF}: 1853.0/35$

In: -106.141 ± 0.365 $\chi^2/\text{NDF}: 2047.6/28$

Out: -107.561 ± 0.351 $\chi^2/\text{NDF}: 1692.4/32$

All: -106.879 ± 0.253 $\chi^2/\text{NDF}: 3747.9/61$

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: 0.979 ± 0.018 χ^2/NDF : 265.4/13

Right Out: -0.381 ± 0.044 χ^2/NDF : 580.5/18

Left In: 1.030 ± 0.019 χ^2/NDF : 283.1/11

Left: 1.004 ± 0.013 χ^2/NDF : 552.4/25

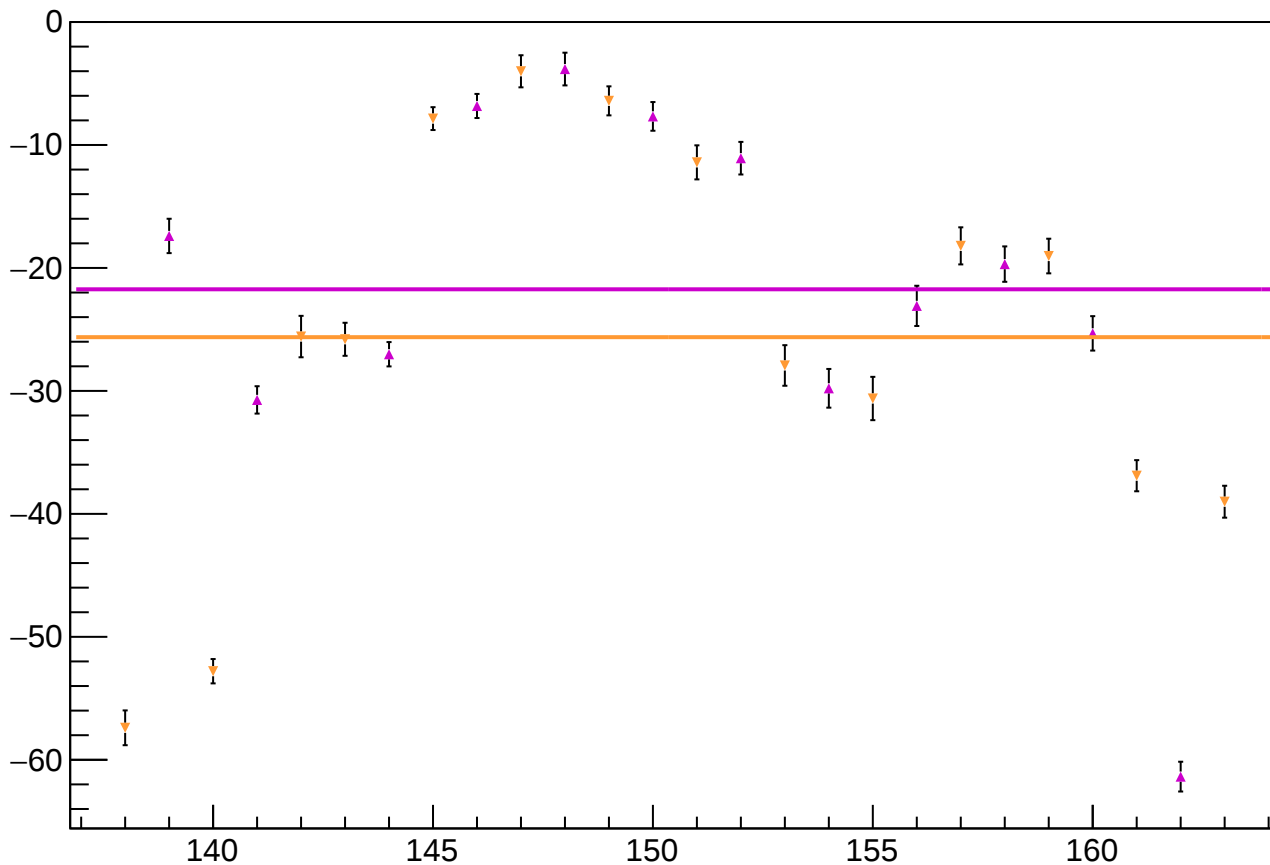
Right: -0.224 ± 0.030 χ^2/NDF : 933.5/35

In: 0.847 ± 0.017 χ^2/NDF : 1187.1/28

Out: 0.784 ± 0.017 χ^2/NDF : 1664.4/32

All: 0.815 ± 0.012 χ^2/NDF : 2858.4/61

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



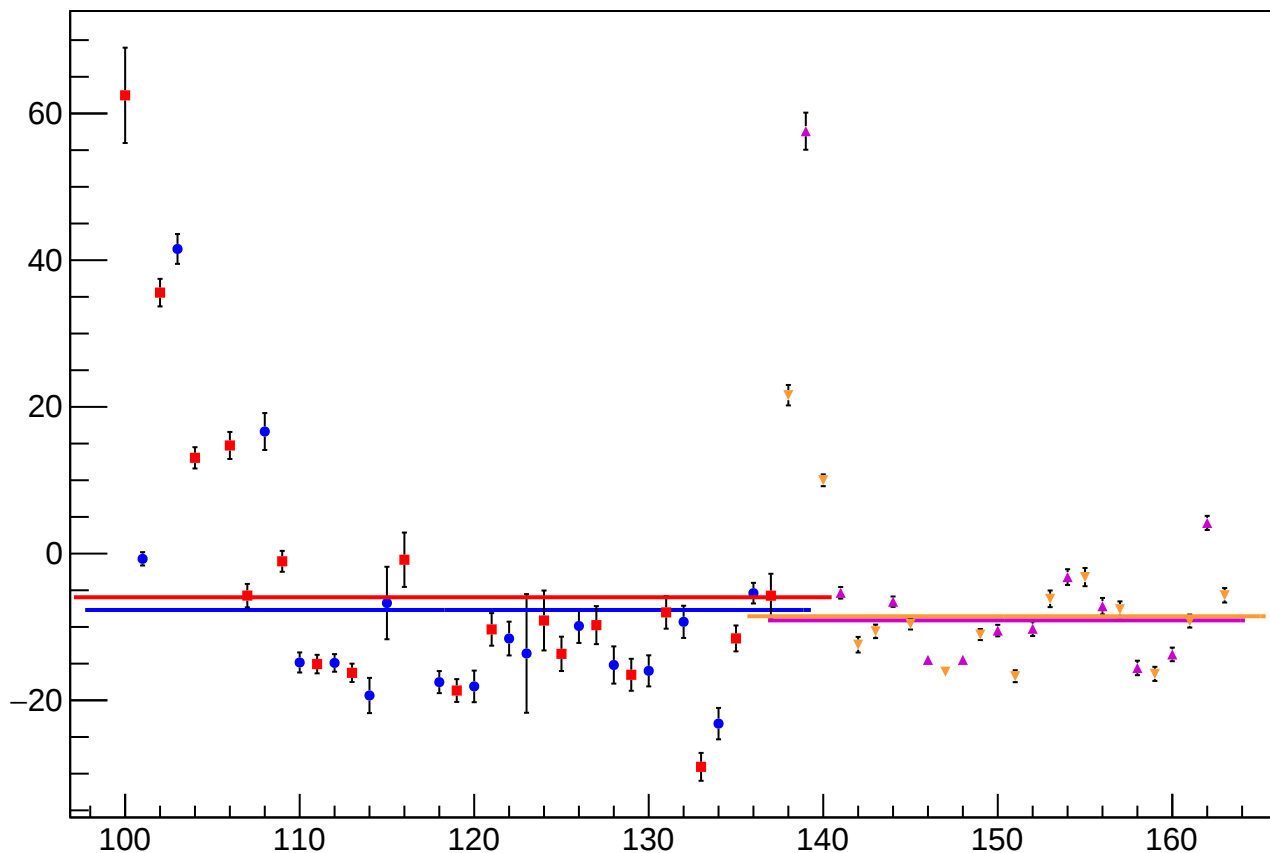
Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -25.630 ± 0.348 $\chi^2/\text{NDF}: 2509.4/13$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -21.737 ± 0.360 $\chi^2/\text{NDF}: 1832.7/11$

Left: -23.751 ± 0.250 $\chi^2/\text{NDF}: 4402.5/25$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -21.737 ± 0.360 $\chi^2/\text{NDF}: 1832.7/11$
 Out: -25.630 ± 0.348 $\chi^2/\text{NDF}: 2509.4/13$

All: -23.751 ± 0.250 $\chi^2/\text{NDF}: 4402.5/25$

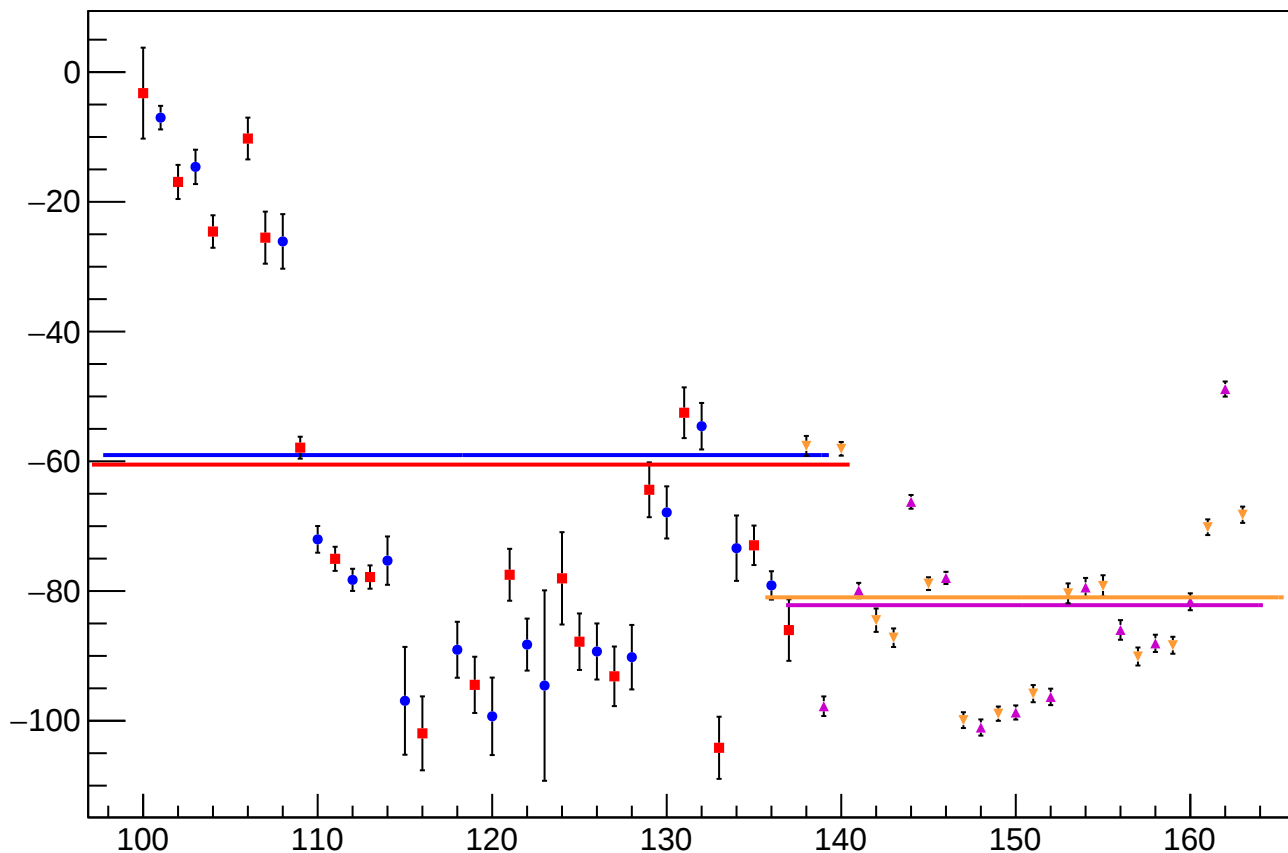
reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.686 ± 0.430 χ^2/NDF : 975.9/16
 Left Out: -8.544 ± 0.240 χ^2/NDF : 1370.7/13
 Right Out: -5.953 ± 0.429 χ^2/NDF : 1298.1/18
 Left In: -9.102 ± 0.248 χ^2/NDF : 1172.0/11

Left: -8.815 ± 0.173 χ^2/NDF : 2545.3/25
 Right: -6.817 ± 0.304 χ^2/NDF : 2282.2/35
 In: -8.750 ± 0.215 χ^2/NDF : 2156.1/28
 Out: -7.924 ± 0.210 χ^2/NDF : 2696.5/32
 All: -8.327 ± 0.150 χ^2/NDF : 4860.2/61

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.039 ± 0.746 $\chi^2/\text{NDF}: 1709.5/16$

Left Out: -80.971 ± 0.344 $\chi^2/\text{NDF}: 1621.6/13$

Right Out: -60.507 ± 0.704 $\chi^2/\text{NDF}: 1384.8/18$

Left In: -82.180 ± 0.352 $\chi^2/\text{NDF}: 1784.6/11$

Left: -81.562 ± 0.246 $\chi^2/\text{NDF}: 3412.2/25$

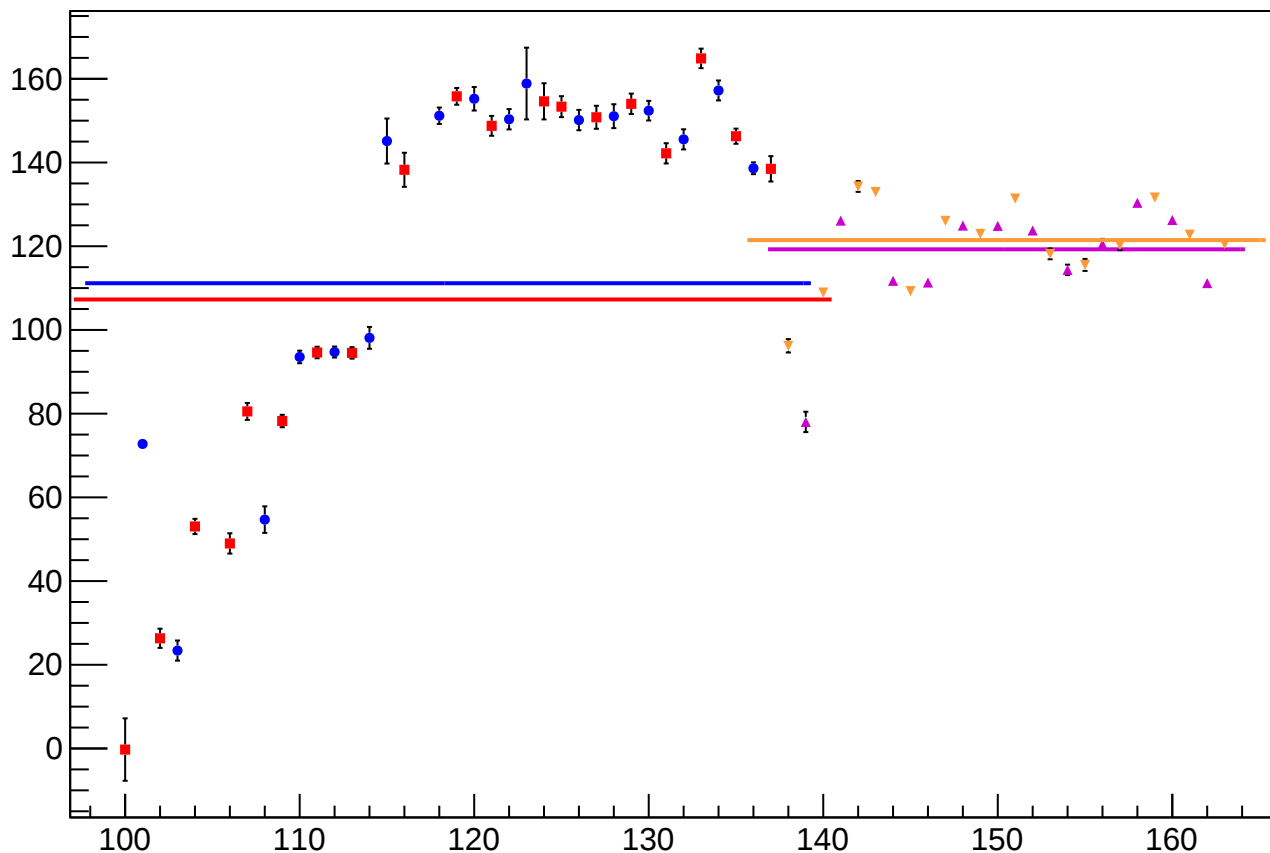
Right: -59.815 ± 0.512 $\chi^2/\text{NDF}: 3096.4/35$

In: -77.962 ± 0.318 $\chi^2/\text{NDF}: 4281.7/28$

Out: -77.027 ± 0.309 $\chi^2/\text{NDF}: 3687.7/32$

All: -77.481 ± 0.222 $\chi^2/\text{NDF}: 7973.9/61$

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.160 $\pm$ 0.489 χ^2 /NDF: 5877.6/16

Left Out: 121.467 $\pm$ 0.284 χ^2 /NDF:1061.2/13

Right Out: 107.283 $\pm$ 0.488 χ^2 /NDF: 7055.1/18

Left In: 119.260 $\pm$ 0.293 χ^2 /NDF:860.5/11

Left: 120.396 $\pm$ 0.204 χ^2 /NDF: 1951.0/25

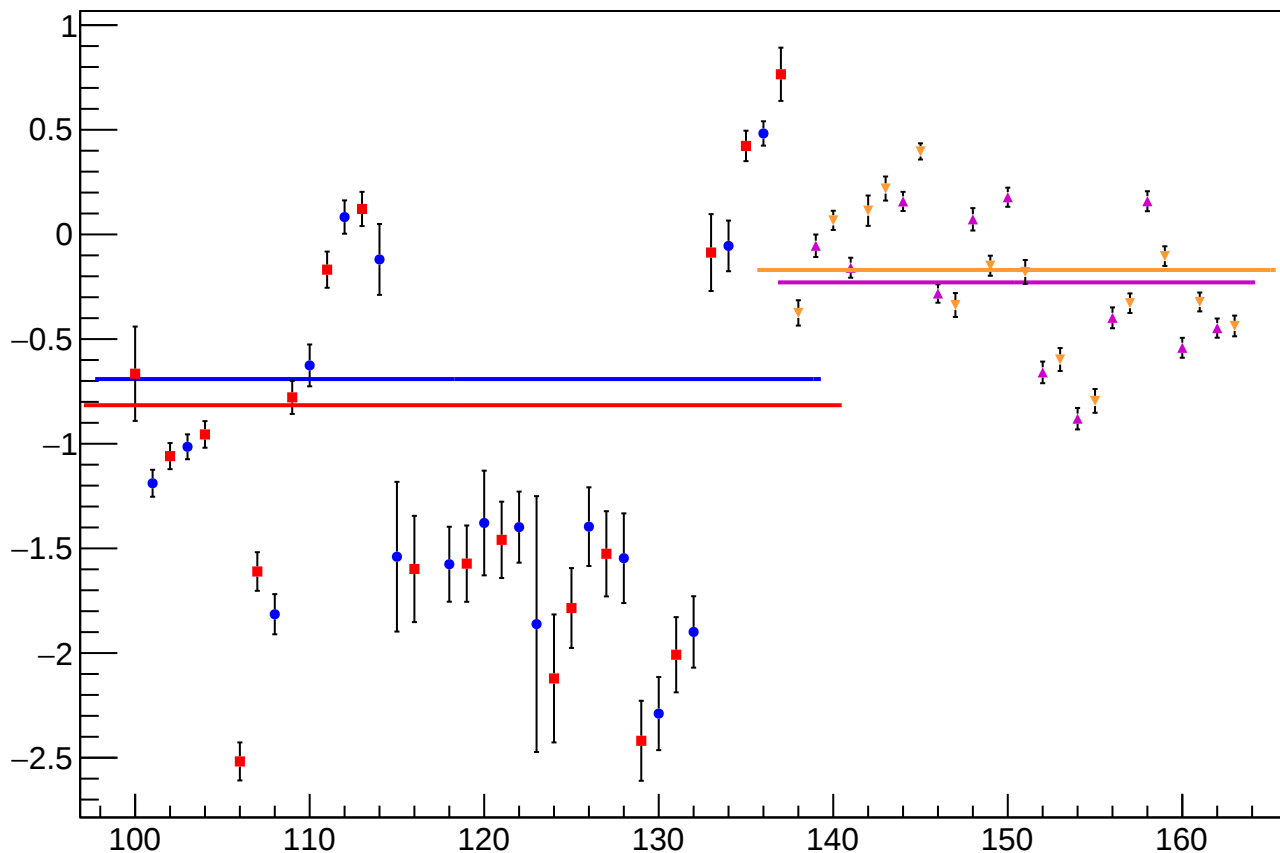
Right: 109.217 $\pm$ 0.345 χ^2 /NDF: 12964.2/35

In: 117.123 $\pm$ 0.251 χ^2 /NDF:6940.1/28

Out: 117.873 $\pm$ 0.245 χ^2 /NDF:8747.8/32

All: 117.507 $\pm$ 0.176 χ^2 /NDF: 15692.5/61

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: -0.170 ± 0.014 χ^2/NDF : 559.9/13

Right Out: -0.816 ± 0.024 χ^2/NDF : 1304.4/18

Left In: -0.229 ± 0.014 χ^2/NDF : 570.6/11

Left: -0.199 ± 0.010 χ^2/NDF : 1139.8/25

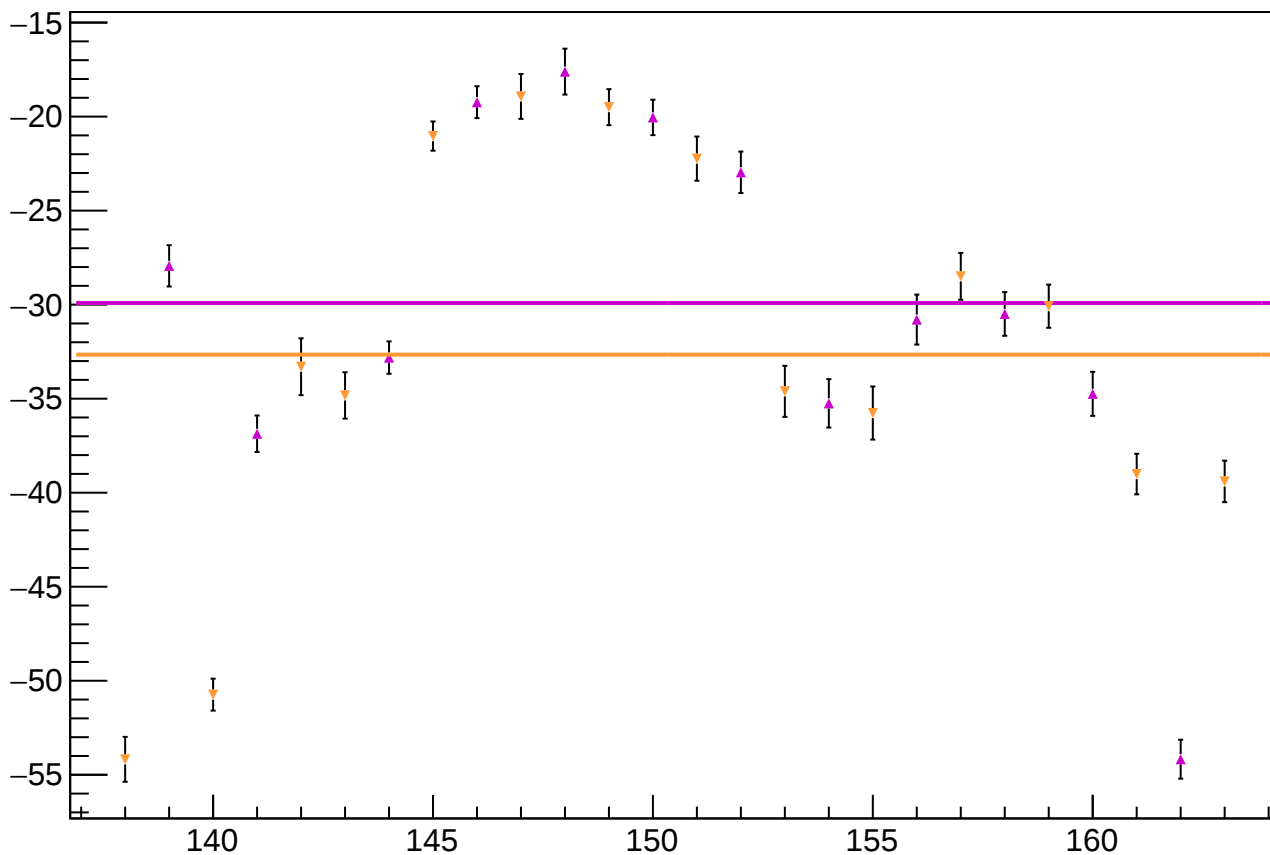
Right: -0.757 ± 0.018 χ^2/NDF : 2307.7/35

In: -0.334 ± 0.012 χ^2/NDF : 1809.1/28

Out: -0.323 ± 0.012 χ^2/NDF : 2400.8/32

All: -0.328 ± 0.009 χ^2/NDF : 4210.3/61

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



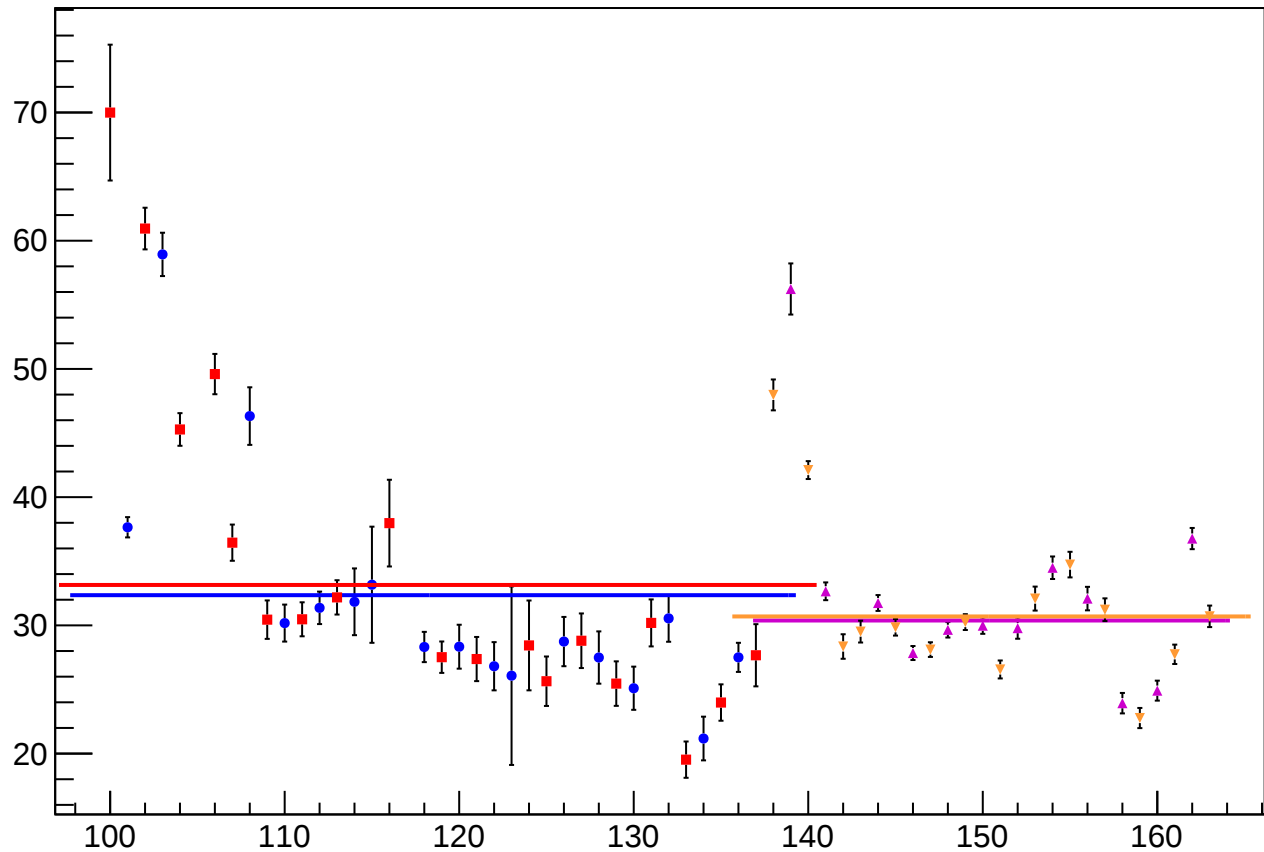
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -32.658+/-0.295 χ^2/NDF :1499.9/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -29.912+/-0.304 χ^2/NDF :1060.9/11

Left: -31.325+/-0.212 χ^2/NDF : 2602.8/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -29.912+/-0.304 χ^2/NDF :1060.9/11
 Out: -32.658+/-0.295 χ^2/NDF :1499.9/13

All: -31.325+/-0.212 χ^2/NDF : 2602.8/25

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: 30.696 ± 0.206 $\chi^2/\text{NDF}: 675.0/13$

Right Out: 33.152 ± 0.379 $\chi^2/\text{NDF}: 772.0/18$

Left In: 30.380 ± 0.212 $\chi^2/\text{NDF}: 407.6/11$

Left: 30.543 ± 0.148 $\chi^2/\text{NDF}: 1083.7/25$

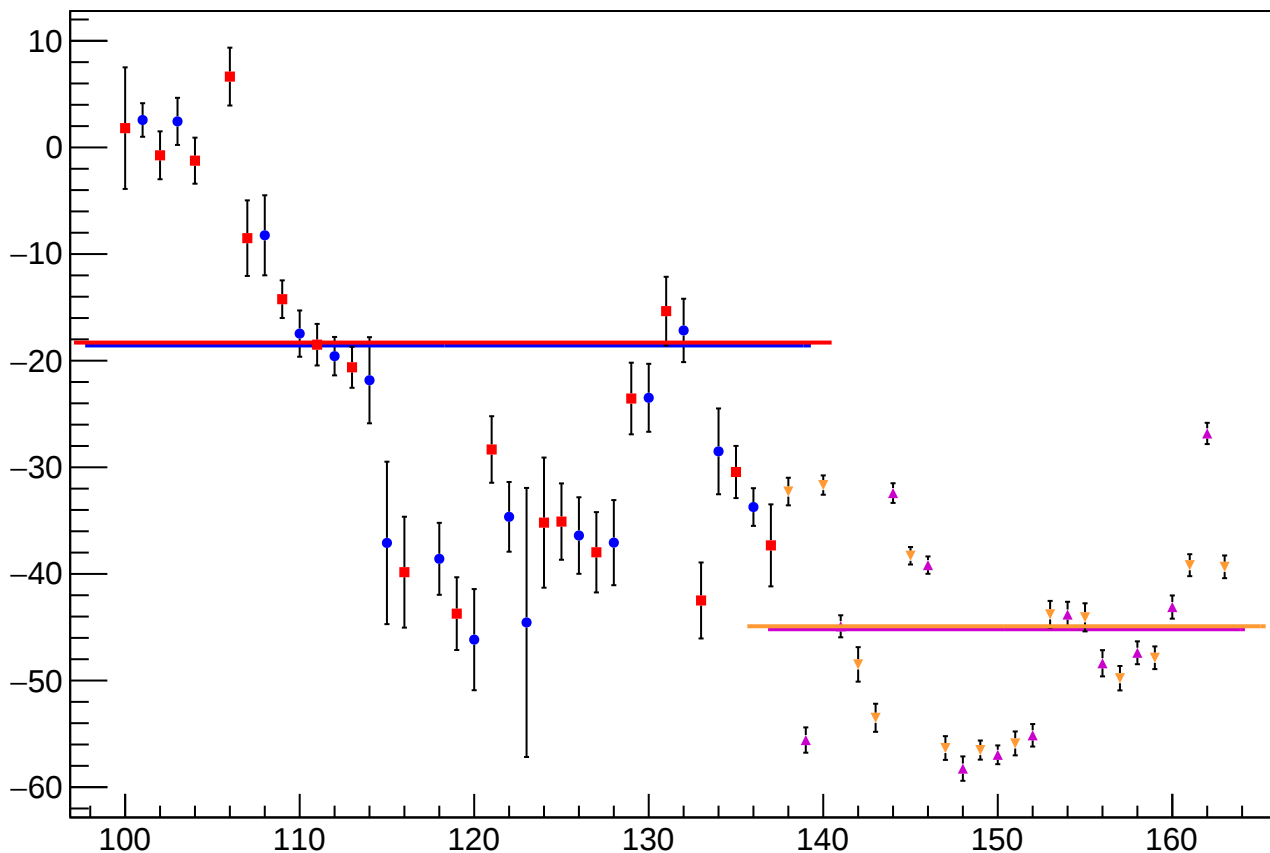
Right: 32.750 ± 0.267 $\chi^2/\text{NDF}: 1224.7/35$

In: 30.859 ± 0.185 $\chi^2/\text{NDF}: 879.1/28$

Out: 31.257 ± 0.181 $\chi^2/\text{NDF}: 1479.4/32$

All: 31.062 ± 0.129 $\chi^2/\text{NDF}: 2360.8/61$

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

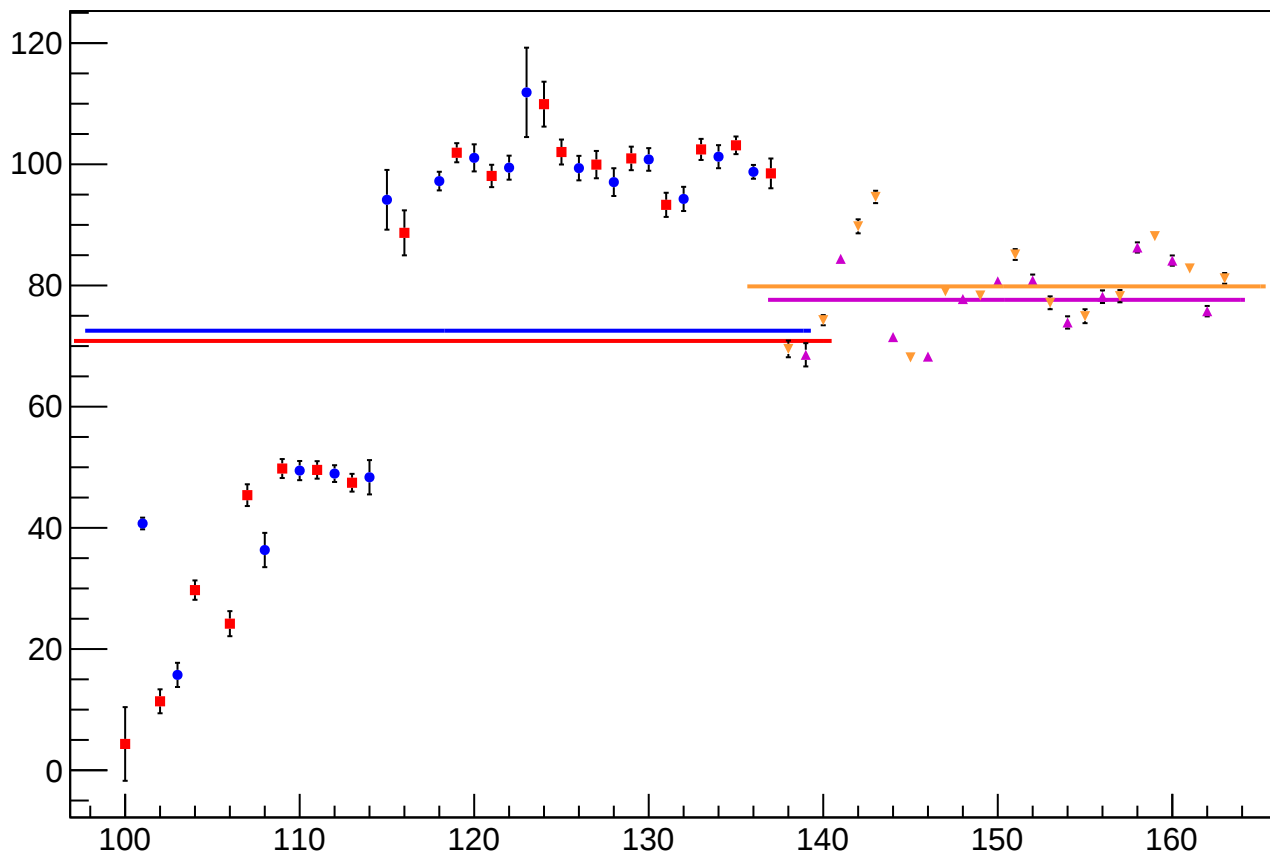


Right In: -18.572 ± 0.667 $\chi^2/\text{NDF}: 511.5/16$
 Left Out: -44.910 ± 0.291 $\chi^2/\text{NDF}: 876.4/13$
 Right Out: -18.300 ± 0.644 $\chi^2/\text{NDF}: 473.4/18$
 Left In: -45.189 ± 0.297 $\chi^2/\text{NDF}: 1077.2/11$

Left: -45.047 ± 0.208 $\chi^2/\text{NDF}: 1954.0/25$
 Right: -18.431 ± 0.463 $\chi^2/\text{NDF}: 984.9/35$
 In: -40.800 ± 0.271 $\chi^2/\text{NDF}: 2916.6/28$
 Out: -40.390 ± 0.265 $\chi^2/\text{NDF}: 2767.8/32$

All: -40.591 ± 0.190 $\chi^2/\text{NDF}: 5685.6/61$

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.537 ± 0.428 $\chi^2/\text{NDF}: 4684.1/16$

Left Out: 79.851 ± 0.242 $\chi^2/\text{NDF}: 817.0/13$

Right Out: 70.849 ± 0.433 $\chi^2/\text{NDF}: 5500.2/18$

Left In: 77.633 ± 0.249 $\chi^2/\text{NDF}: 562.2/11$

Left: 78.772 ± 0.174 $\chi^2/\text{NDF}: 1420.0/25$

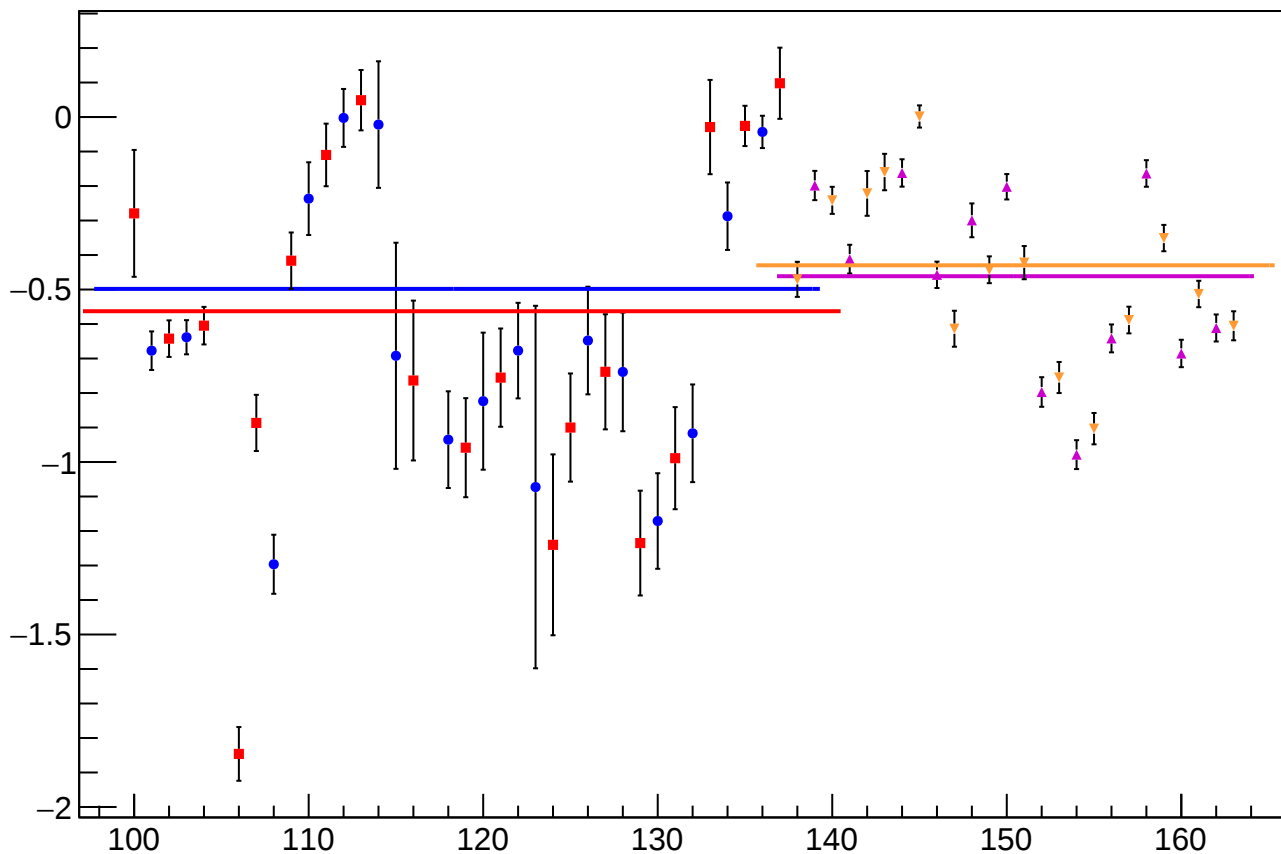
Right: 71.702 ± 0.305 $\chi^2/\text{NDF}: 10192.0/35$

In: 76.347 ± 0.215 $\chi^2/\text{NDF}: 5352.1/28$

Out: 77.709 ± 0.211 $\chi^2/\text{NDF}: 6646.3/32$

All: 77.040 ± 0.151 $\chi^2/\text{NDF}: 12018.8/61$

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: -0.430 ± 0.011 χ^2/NDF : 456.4/13

Right Out: -0.563 ± 0.021 χ^2/NDF : 560.8/18

Left In: -0.461 ± 0.012 χ^2/NDF : 497.1/11

Left: -0.445 ± 0.008 χ^2/NDF : 957.2/25

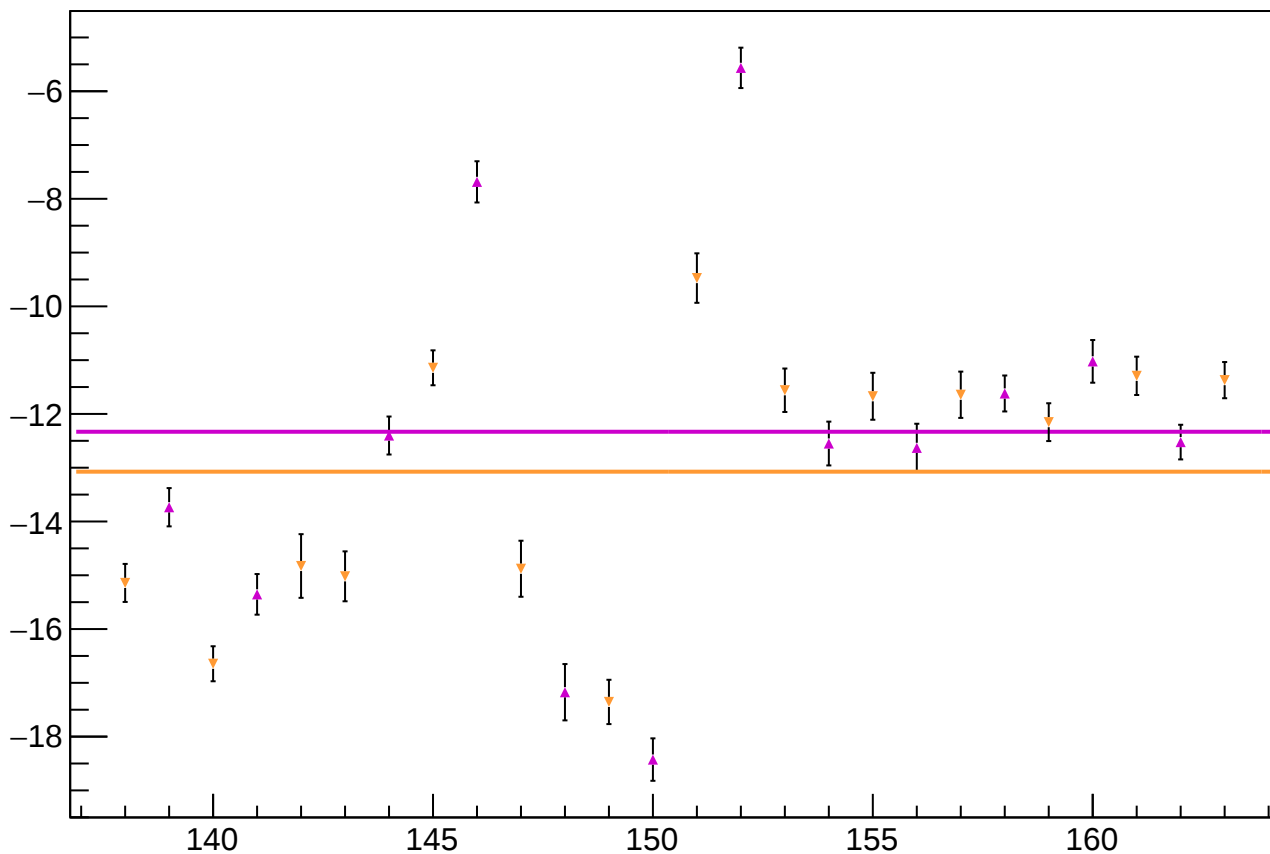
Right: -0.532 ± 0.015 χ^2/NDF : 867.9/35

In: -0.469 ± 0.010 χ^2/NDF : 802.0/28

Out: -0.459 ± 0.010 χ^2/NDF : 1047.2/32

All: -0.464 ± 0.007 χ^2/NDF : 1849.6/61

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



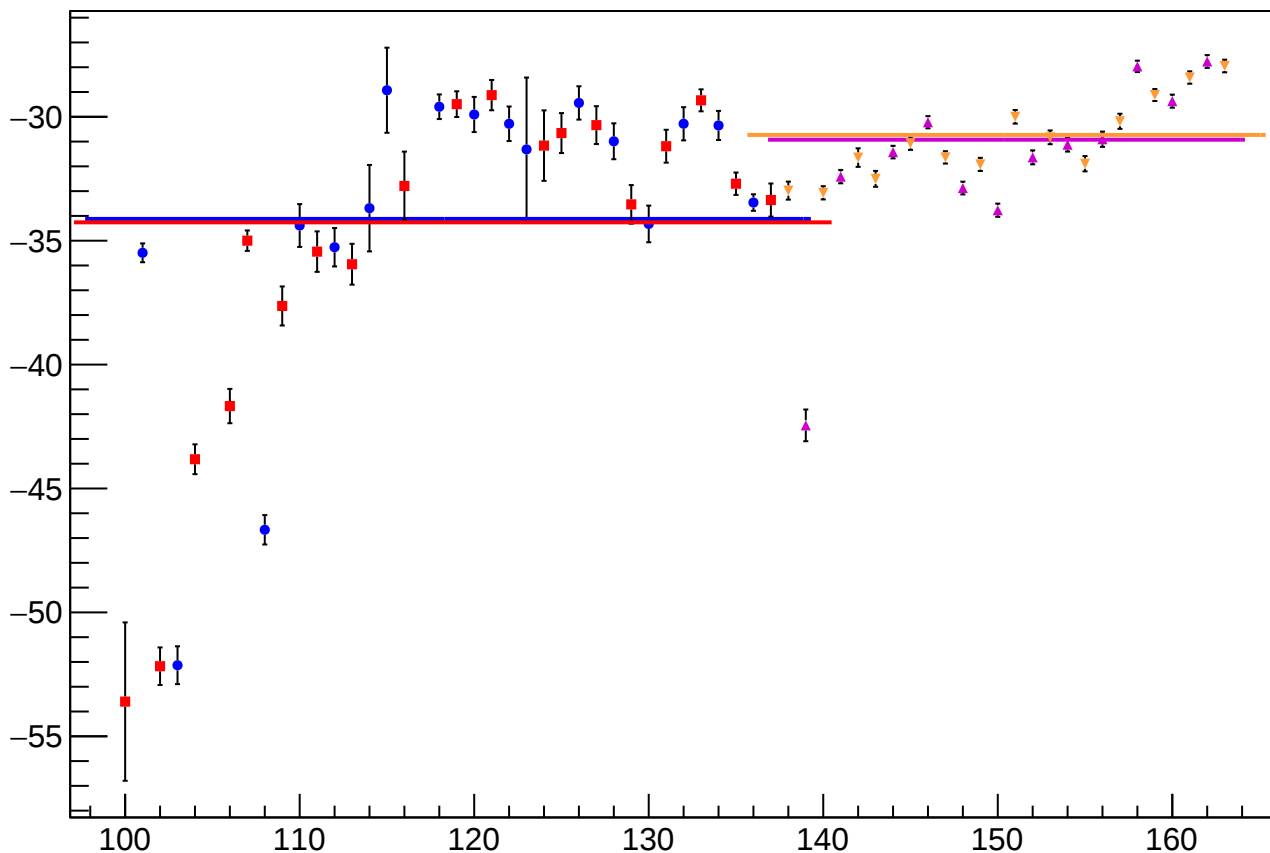
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -13.074+/-0.105 χ^2/NDF :490.6/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -12.331+/-0.110 χ^2/NDF :892.0/11

Left: -12.719+/-0.076 χ^2/NDF : 1406.4/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -12.331+/-0.110 χ^2/NDF :892.0/11
 Out: -13.074+/-0.105 χ^2/NDF :490.6/13

All: -12.719+/-0.076 χ^2/NDF : 1406.4/25

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: -30.732 ± 0.075 χ^2/NDF : 458.7/13

Right Out: -34.260 ± 0.151 χ^2/NDF : 1354.9/18

Left In: -30.924 ± 0.079 χ^2/NDF : 893.1/11

Left: -30.823 ± 0.054 χ^2/NDF : 1355.0/25

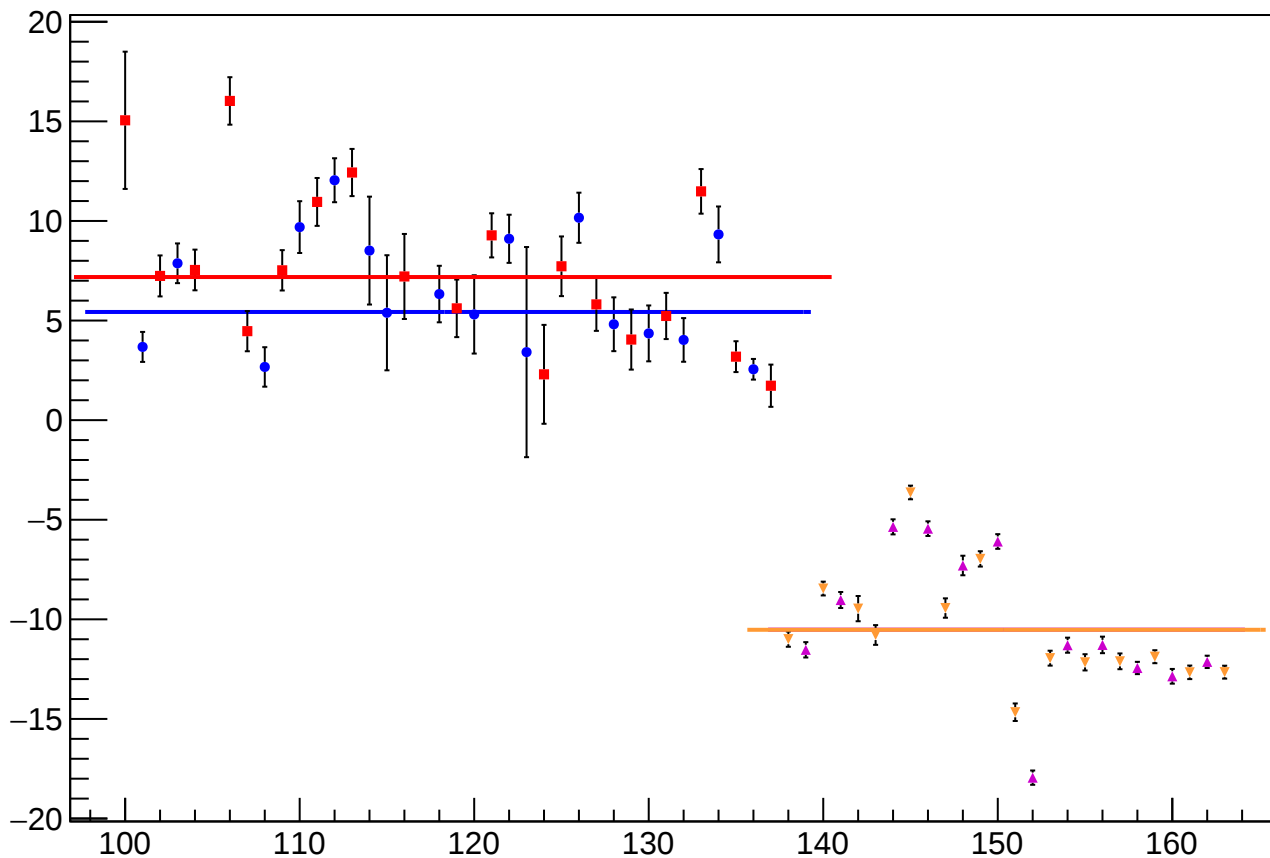
Right: -34.191 ± 0.107 χ^2/NDF : 2677.8/35

In: -31.602 ± 0.070 χ^2/NDF : 2565.3/28

Out: -31.430 ± 0.067 χ^2/NDF : 2252.5/32

All: -31.512 ± 0.048 χ^2/NDF : 4820.9/61

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.431 ± 0.270 $\chi^2/\text{NDF}: 132.0/16$

Left Out: -10.525 ± 0.103 $\chi^2/\text{NDF}: 769.0/13$

Right Out: 7.185 ± 0.274 $\chi^2/\text{NDF}: 182.1/18$

Left In: -10.518 ± 0.107 $\chi^2/\text{NDF}: 1125.4/11$

Left: -10.521 ± 0.074 $\chi^2/\text{NDF}: 1894.4/25$

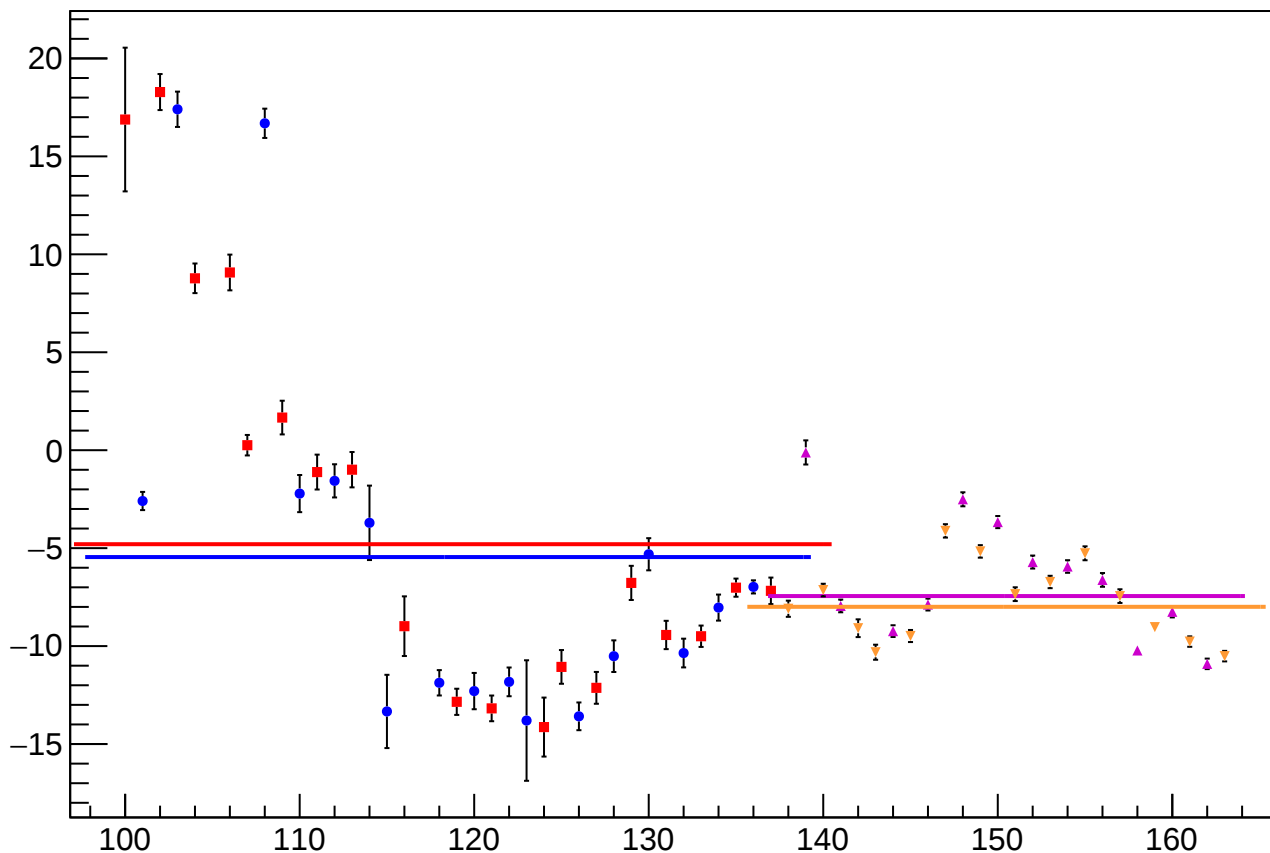
Right: 6.295 ± 0.193 $\chi^2/\text{NDF}: 334.8/35$

In: -8.363 ± 0.099 $\chi^2/\text{NDF}: 4266.4/28$

Out: -8.320 ± 0.097 $\chi^2/\text{NDF}: 4596.7/32$

All: -8.341 ± 0.069 $\chi^2/\text{NDF}: 8863.2/61$

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.455 ± 0.171 $\chi^2/\text{NDF}: 2096.5/16$

Left Out: -7.995 ± 0.087 $\chi^2/\text{NDF}: 509.0/13$

Right Out: -4.798 ± 0.173 $\chi^2/\text{NDF}: 2047.4/18$

Left In: -7.446 ± 0.090 $\chi^2/\text{NDF}: 880.8/11$

Left: -7.733 ± 0.063 $\chi^2/\text{NDF}: 1409.0/25$

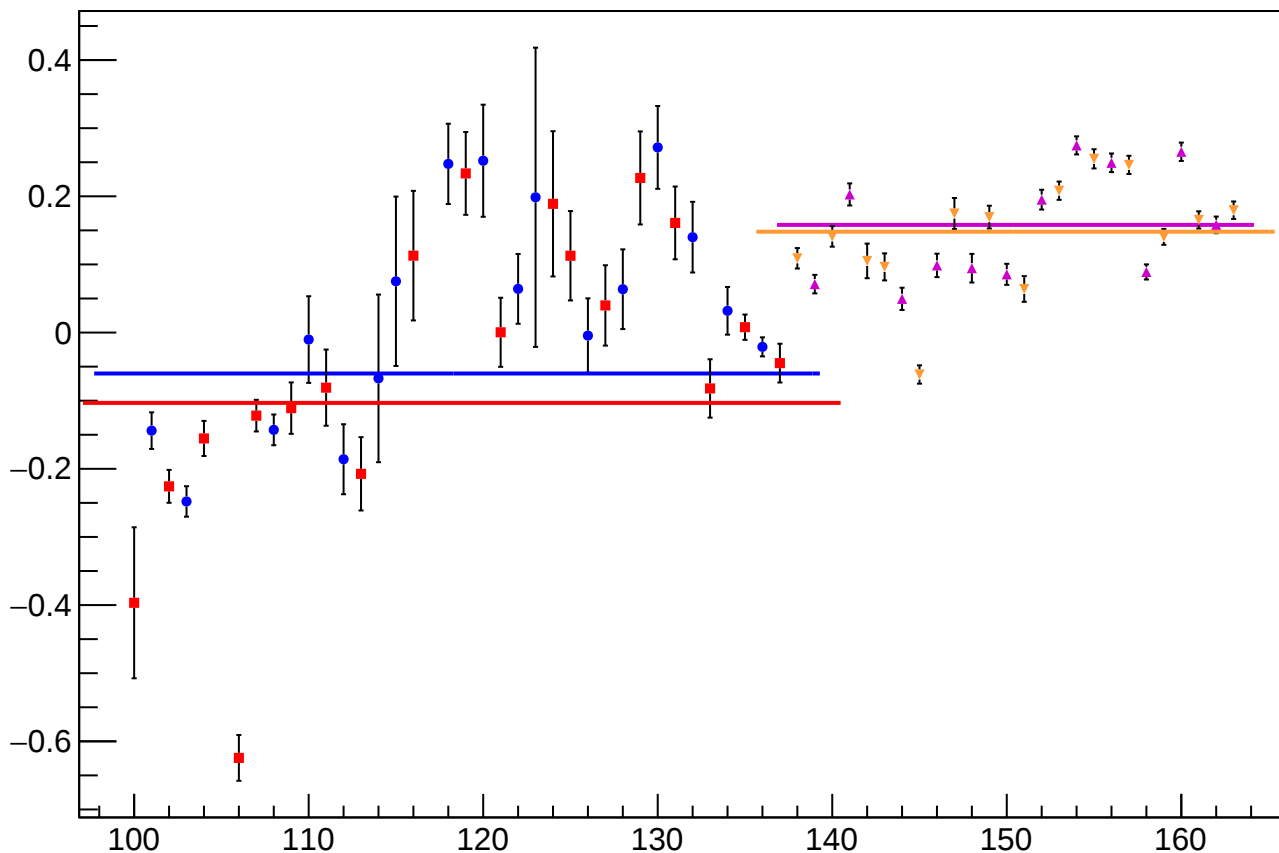
Right: -5.131 ± 0.122 $\chi^2/\text{NDF}: 4151.2/35$

In: -7.010 ± 0.080 $\chi^2/\text{NDF}: 3083.3/28$

Out: -7.355 ± 0.077 $\chi^2/\text{NDF}: 2829.7/32$

All: -7.188 ± 0.056 $\chi^2/\text{NDF}: 5922.7/61$

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: 0.148 ± 0.004 χ^2/NDF : 422.5/13

Right Out: -0.103 ± 0.008 χ^2/NDF : 434.3/18

Left In: 0.158 ± 0.004 χ^2/NDF : 366.6/11

Left: 0.153 ± 0.003 χ^2/NDF : 792.0/25

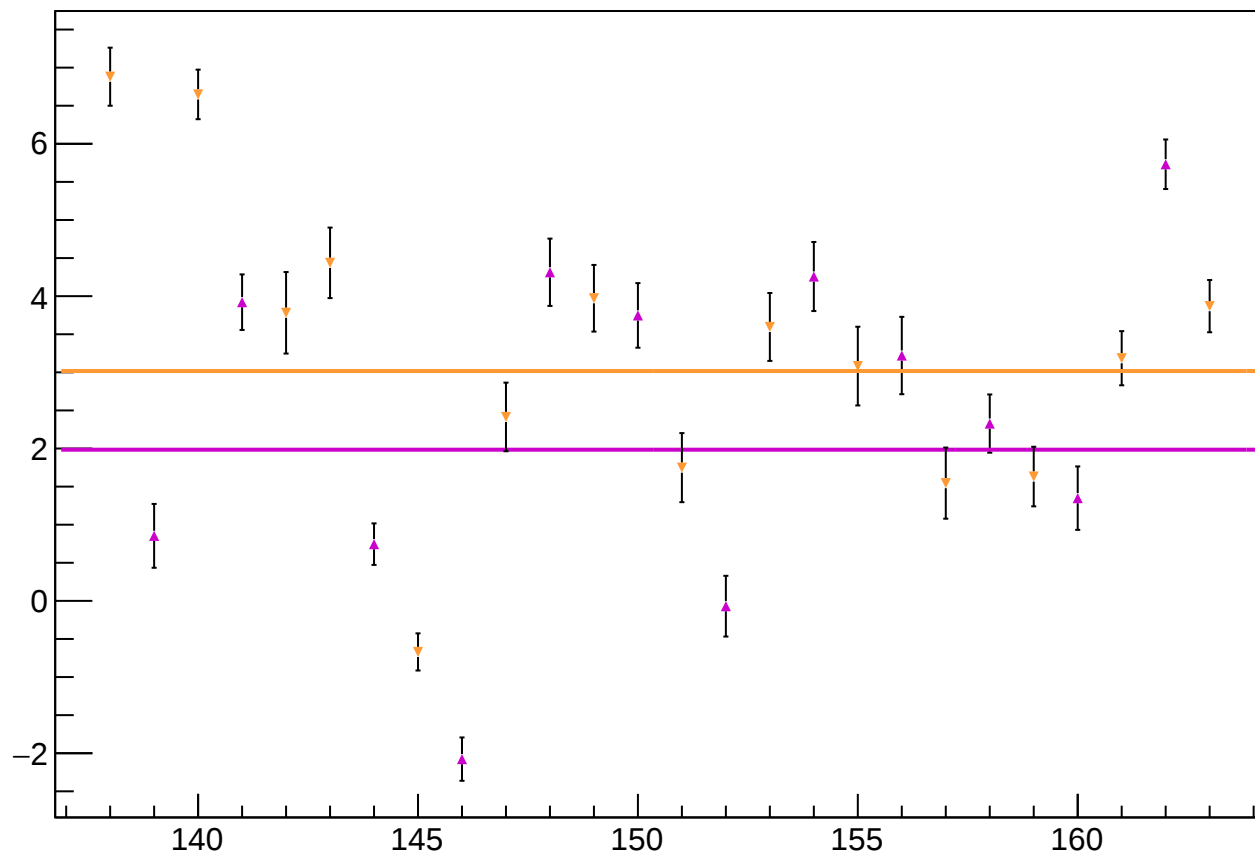
Right: -0.082 ± 0.006 χ^2/NDF : 662.9/35

In: 0.116 ± 0.004 χ^2/NDF : 1125.1/28

Out: 0.102 ± 0.004 χ^2/NDF : 1581.1/32

All: 0.109 ± 0.003 χ^2/NDF : 2713.2/61

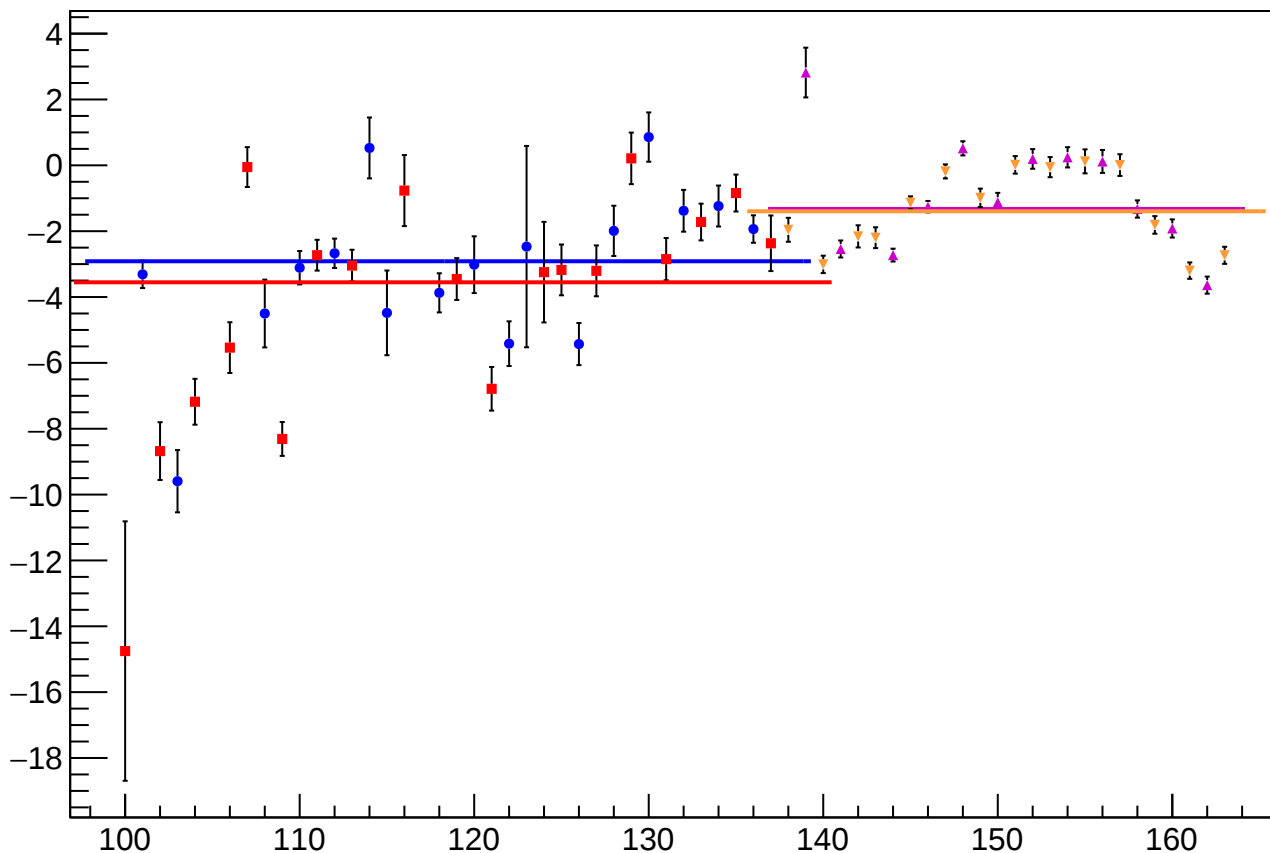
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.017 $\pm$ 0.104 χ^2 /NDF:512.5/13
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 1.985 $\pm$ 0.107 χ^2 /NDF:498.5/11

Left: 2.518 $\pm$ 0.075 χ^2 /NDF: 1058.8/25
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 1.985 $\pm$ 0.107 χ^2 /NDF:498.5/11
 Out: 3.017 $\pm$ 0.104 χ^2 /NDF:512.5/13
 All: 2.518 $\pm$ 0.075 χ^2 /NDF: 1058.8/25

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: -1.395 ± 0.073 χ^2/NDF : 251.2/13

Right Out: -3.553 ± 0.155 χ^2/NDF : 290.9/18

Left In: -1.325 ± 0.074 χ^2/NDF : 331.0/11

Left: -1.361 ± 0.052 χ^2/NDF : 582.7/25

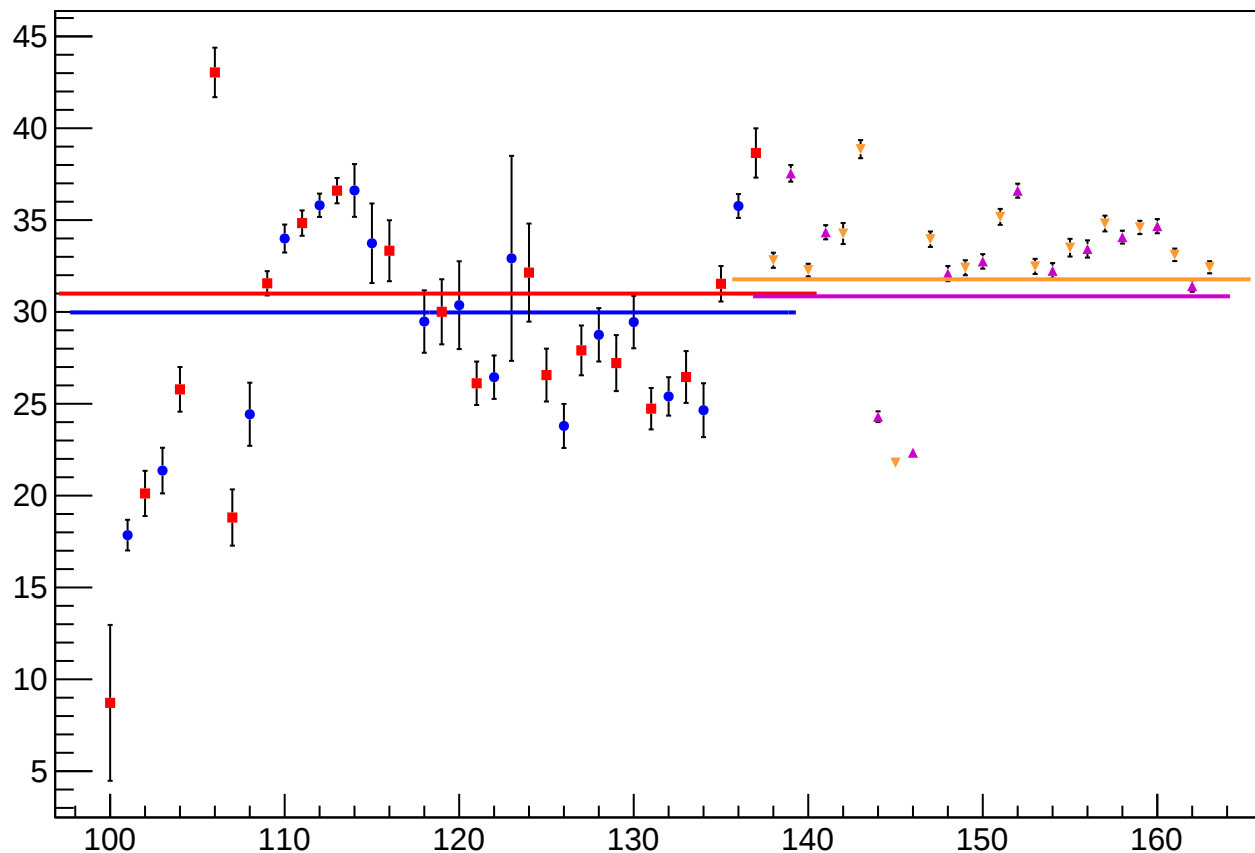
Right: -3.234 ± 0.109 χ^2/NDF : 445.5/35

In: -1.621 ± 0.067 χ^2/NDF : 562.8/28

Out: -1.788 ± 0.066 χ^2/NDF : 701.4/32

All: -1.706 ± 0.047 χ^2/NDF : 1267.3/61

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.972 ± 0.267 $\chi^2/NDF: 554.3/16$

Left Out: 31.775 ± 0.103 $\chi^2/NDF: 1946.6/13$

Right Out: 30.999 ± 0.260 $\chi^2/NDF: 479.5/18$

Left In: 30.851 ± 0.105 $\chi^2/NDF: 2258.0/11$

Left: 31.322 ± 0.074 $\chi^2/NDF: 4244.0/25$

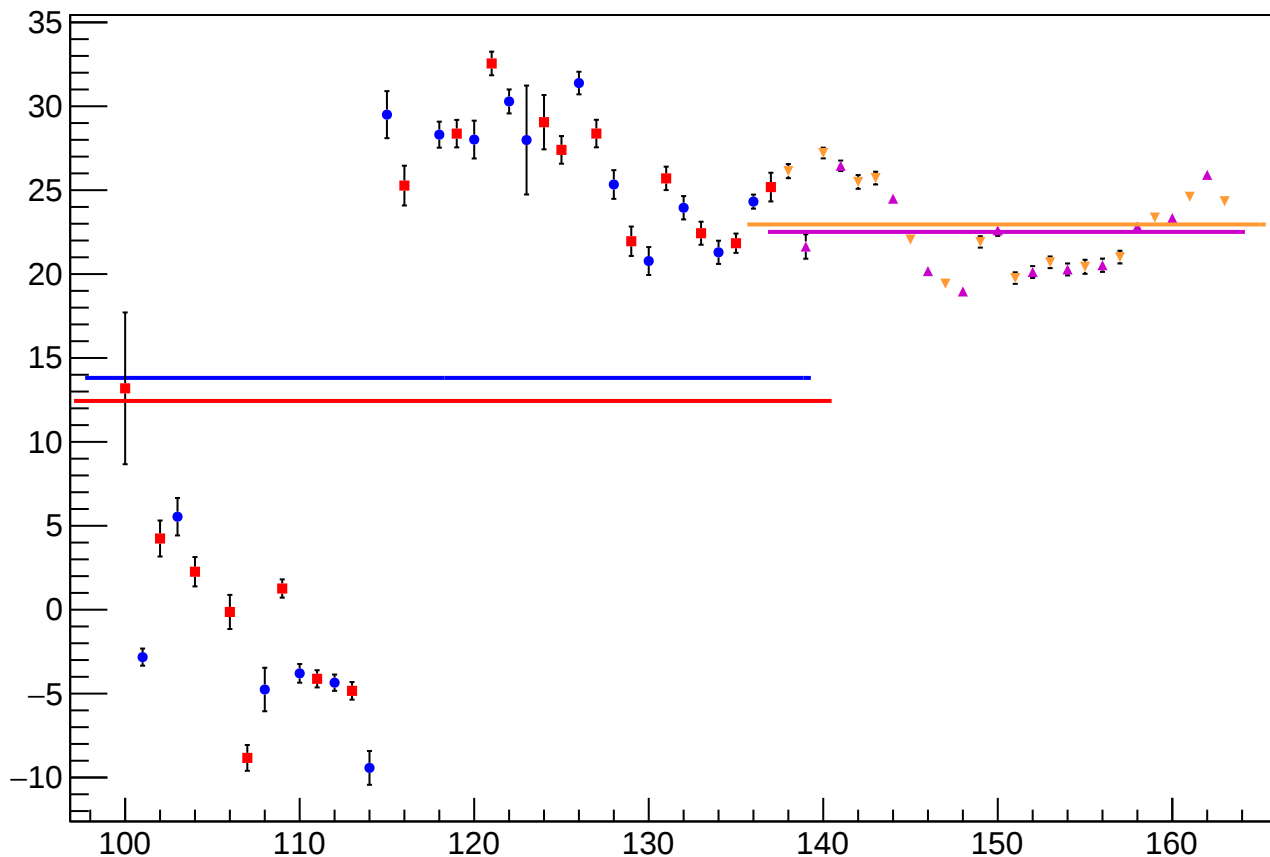
Right: 30.500 ± 0.186 $\chi^2/NDF: 1041.4/35$

In: 30.734 ± 0.098 $\chi^2/NDF: 2821.7/28$

Out: 31.670 ± 0.096 $\chi^2/NDF: 2433.8/32$

All: 31.211 ± 0.068 $\chi^2/NDF: 5302.2/61$

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.813 $\pm$ 0.173 χ^2 /NDF: 7318.6/16

Left Out: 22.957 $\pm$ 0.085 χ^2 /NDF: 751.1/13

Right Out: 12.440 $\pm$ 0.174 χ^2 /NDF: 6970.3/18

Left In: 22.512 $\pm$ 0.087 χ^2 /NDF: 764.0/11

Left: 22.739 $\pm$ 0.061 χ^2 /NDF: 1528.4/25

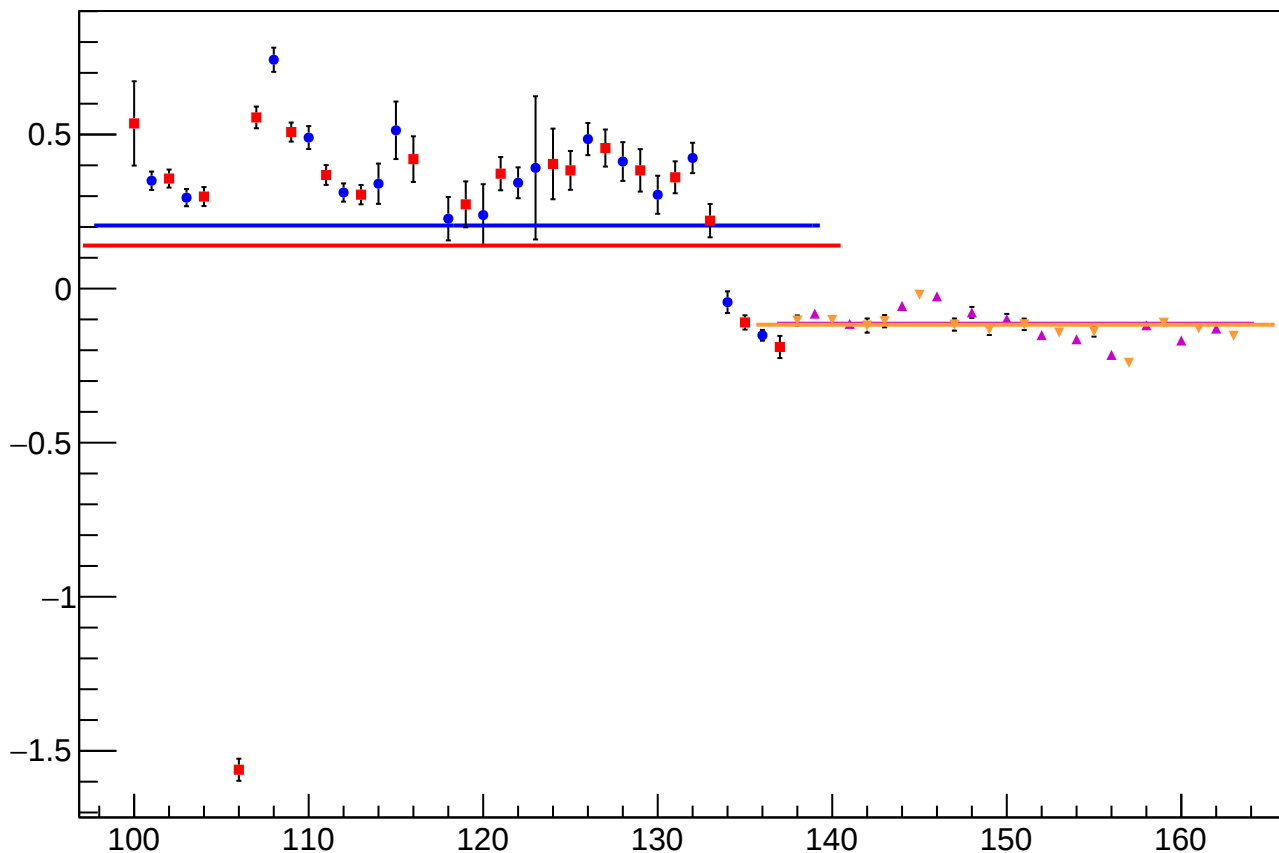
Right: 13.131 $\pm$ 0.122 χ^2 /NDF: 14320.3/35

In: 20.749 $\pm$ 0.078 χ^2 /NDF: 10106.2/28

Out: 20.915 $\pm$ 0.077 χ^2 /NDF: 10674.3/32

All: 20.833 $\pm$ 0.055 χ^2 /NDF: 20782.9/61

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: -0.117 ± 0.004 $\chi^2/\text{NDF}: 180.6/13$

Right Out: 0.140 ± 0.009 $\chi^2/\text{NDF}: 3014.2/18$

Left In: -0.114 ± 0.004 $\chi^2/\text{NDF}: 156.3/11$

Left: -0.116 ± 0.003 $\chi^2/\text{NDF}: 337.1/25$

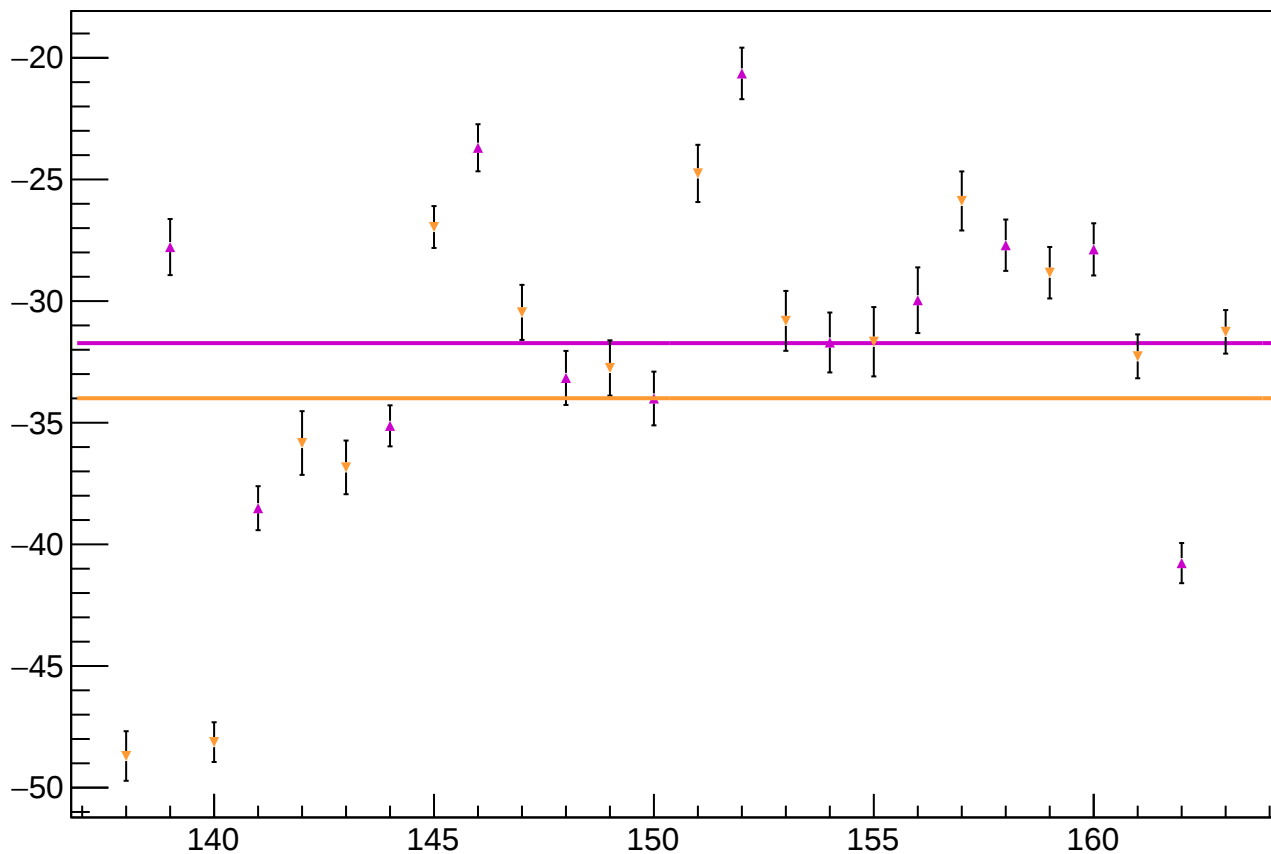
Right: 0.172 ± 0.007 $\chi^2/\text{NDF}: 3884.5/35$

In: -0.062 ± 0.004 $\chi^2/\text{NDF}: 1968.1/28$

Out: -0.076 ± 0.004 $\chi^2/\text{NDF}: 3847.6/32$

All: -0.069 ± 0.003 $\chi^2/\text{NDF}: 5822.9/61$

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: -33.993+/-0.281 χ^2/NDF : 746.7/13

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

Left In: -31.728+/-0.296 χ^2/NDF : 418.0/11

Left: -32.920+/-0.204 χ^2/NDF : 1195.5/25

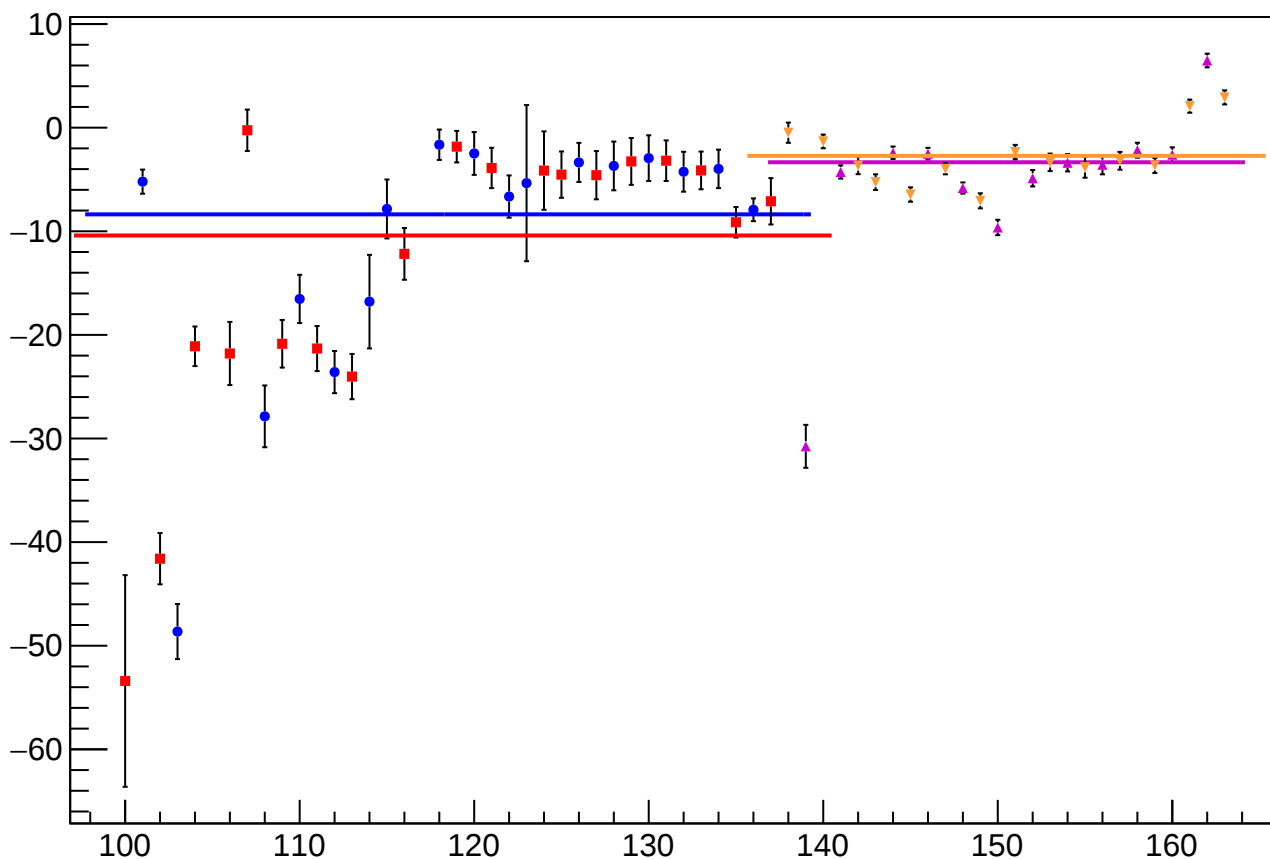
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -31.728+/-0.296 χ^2/NDF : 418.0/11

Out: -33.993+/-0.281 χ^2/NDF : 746.7/13

All: -32.920+/-0.204 χ^2/NDF : 1195.5/25

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.367 ± 0.466 $\chi^2/\text{NDF}: 408.8/16$

Left Out: -2.721 ± 0.195 $\chi^2/\text{NDF}: 222.6/13$

Right Out: -10.405 ± 0.491 $\chi^2/\text{NDF}: 430.3/18$

Left In: -3.339 ± 0.203 $\chi^2/\text{NDF}: 504.3/11$

Left: -3.017 ± 0.141 $\chi^2/\text{NDF}: 731.7/25$

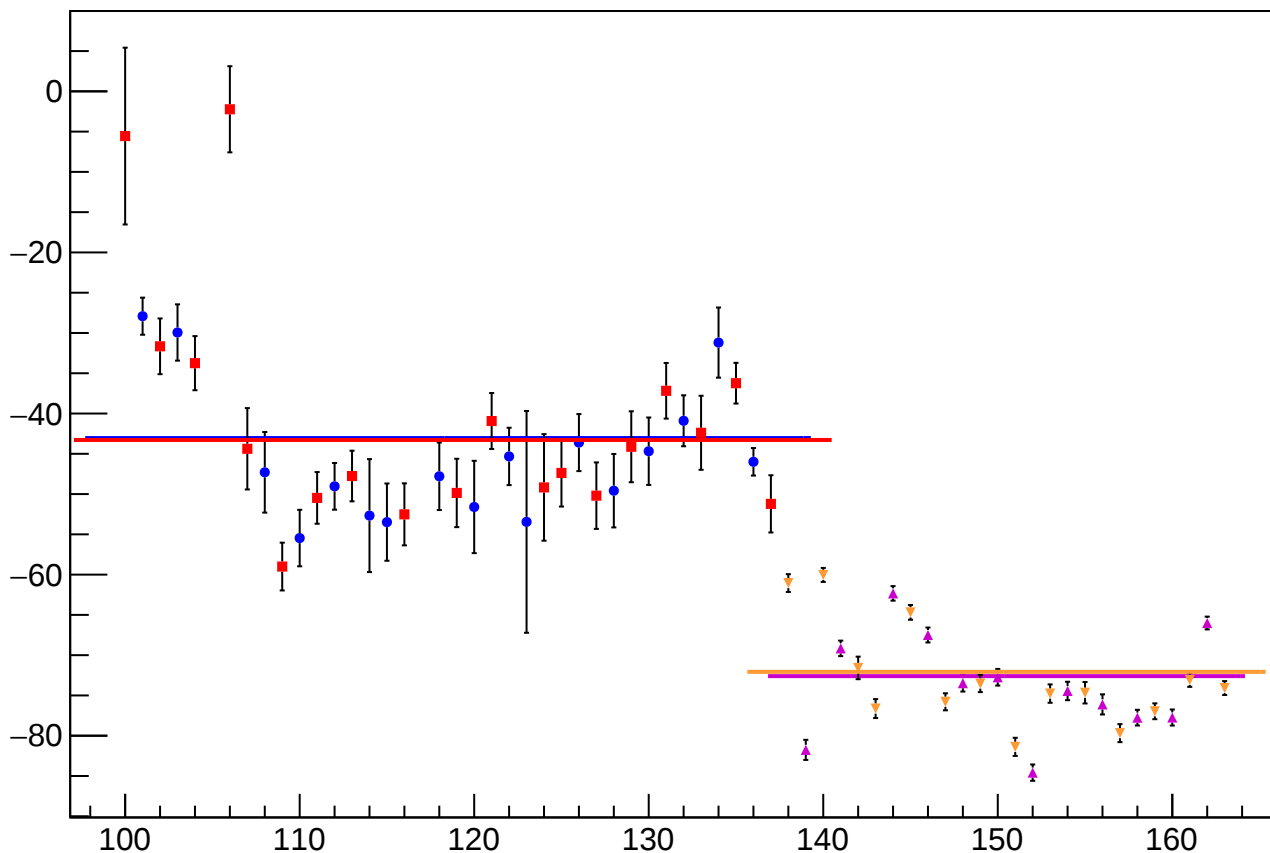
Right: -9.333 ± 0.338 $\chi^2/\text{NDF}: 848.2/35$

In: -4.145 ± 0.186 $\chi^2/\text{NDF}: 1010.9/28$

Out: -3.764 ± 0.181 $\chi^2/\text{NDF}: 864.5/32$

All: -3.949 ± 0.130 $\chi^2/\text{NDF}: 1877.5/61$

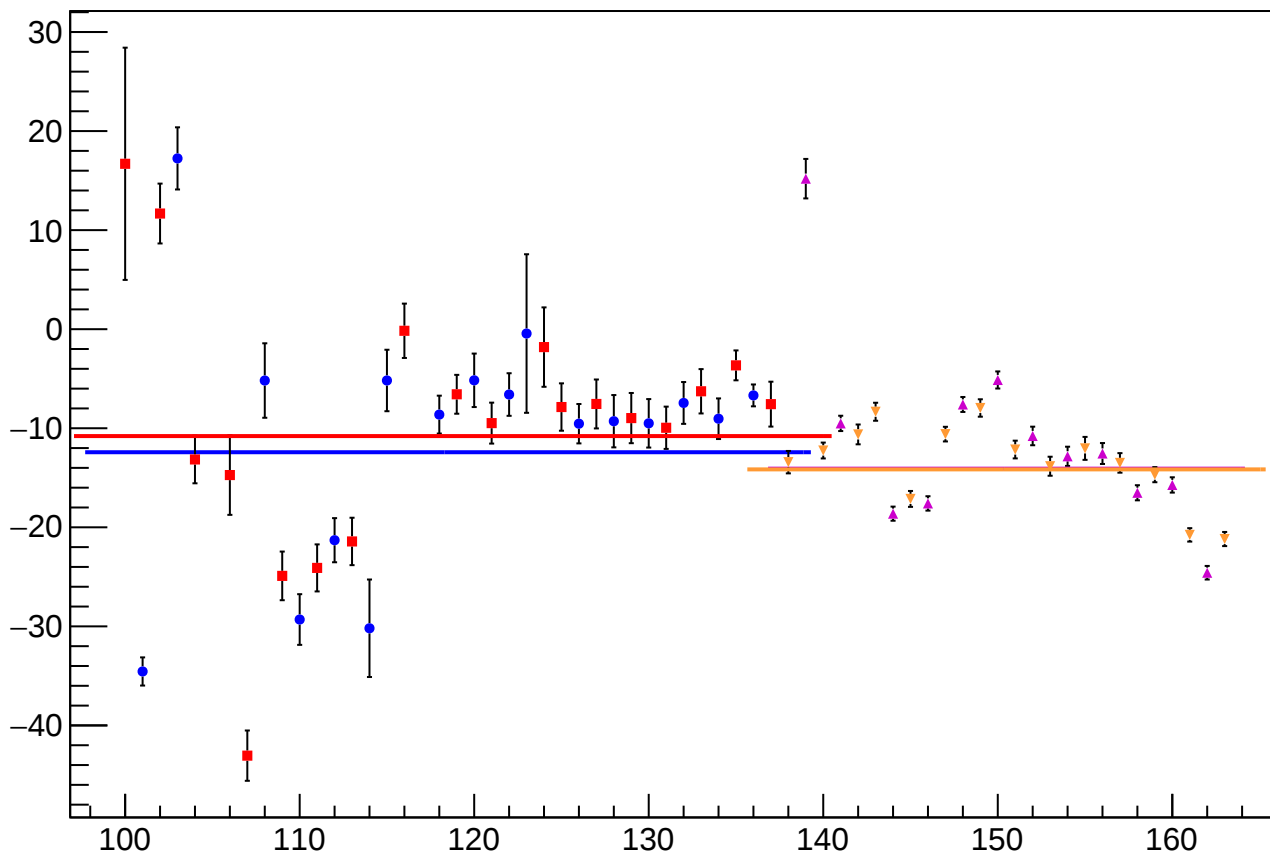
reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -43.047 ± 0.837 $\chi^2/\text{NDF}: 99.0/16$
 Left Out: -72.068 ± 0.277 $\chi^2/\text{NDF}: 541.4/13$
 Right Out: -43.282 ± 0.867 $\chi^2/\text{NDF}: 154.4/18$
 Left In: -72.602 ± 0.289 $\chi^2/\text{NDF}: 500.9/11$

Left: -72.324 ± 0.200 $\chi^2/\text{NDF}: 1044.1/25$
 Right: -43.161 ± 0.602 $\chi^2/\text{NDF}: 253.4/35$
 In: -69.461 ± 0.273 $\chi^2/\text{NDF}: 1713.5/28$
 Out: -69.395 ± 0.264 $\chi^2/\text{NDF}: 1695.4/32$
 All: -69.427 ± 0.190 $\chi^2/\text{NDF}: 3408.9/61$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.421 ± 0.523 $\chi^2/\text{NDF}: 474.4/16$

Left Out: -14.153 ± 0.228 $\chi^2/\text{NDF}: 347.9/13$

Right Out: -10.791 ± 0.554 $\chi^2/\text{NDF}: 365.8/18$

Left In: -14.080 ± 0.239 $\chi^2/\text{NDF}: 760.9/11$

Left: -14.118 ± 0.165 $\chi^2/\text{NDF}: 1108.8/25$

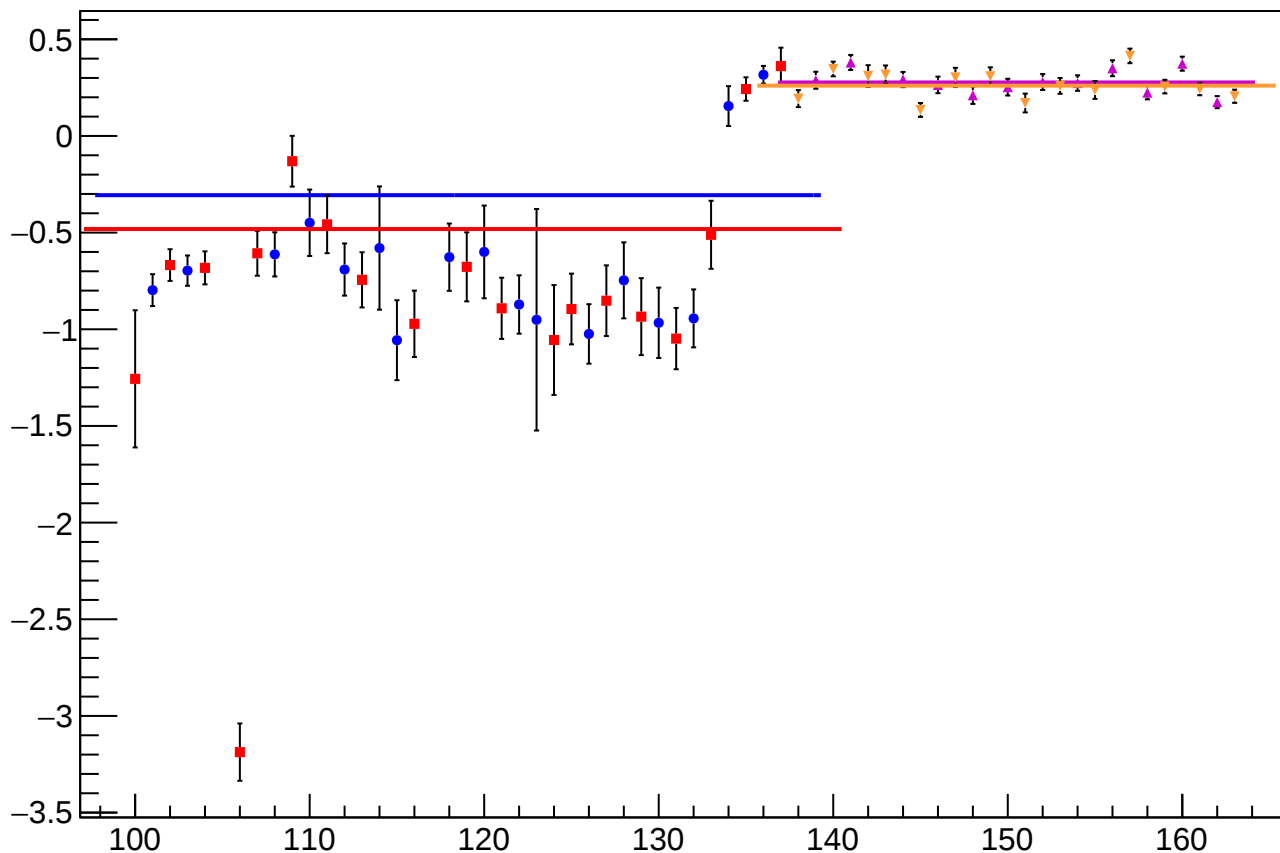
Right: -11.652 ± 0.380 $\chi^2/\text{NDF}: 844.7/35$

In: -13.793 ± 0.217 $\chi^2/\text{NDF}: 1243.6/28$

Out: -13.665 ± 0.211 $\chi^2/\text{NDF}: 745.2/32$

All: -13.727 ± 0.151 $\chi^2/\text{NDF}: 1988.9/61$

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: 0.260 ± 0.011 χ^2/NDF : 47.1/13

Right Out: -0.481 ± 0.029 χ^2/NDF : 628.3/18

Left In: 0.277 ± 0.011 χ^2/NDF : 33.1/11

Left: 0.268 ± 0.008 χ^2/NDF : 81.3/25

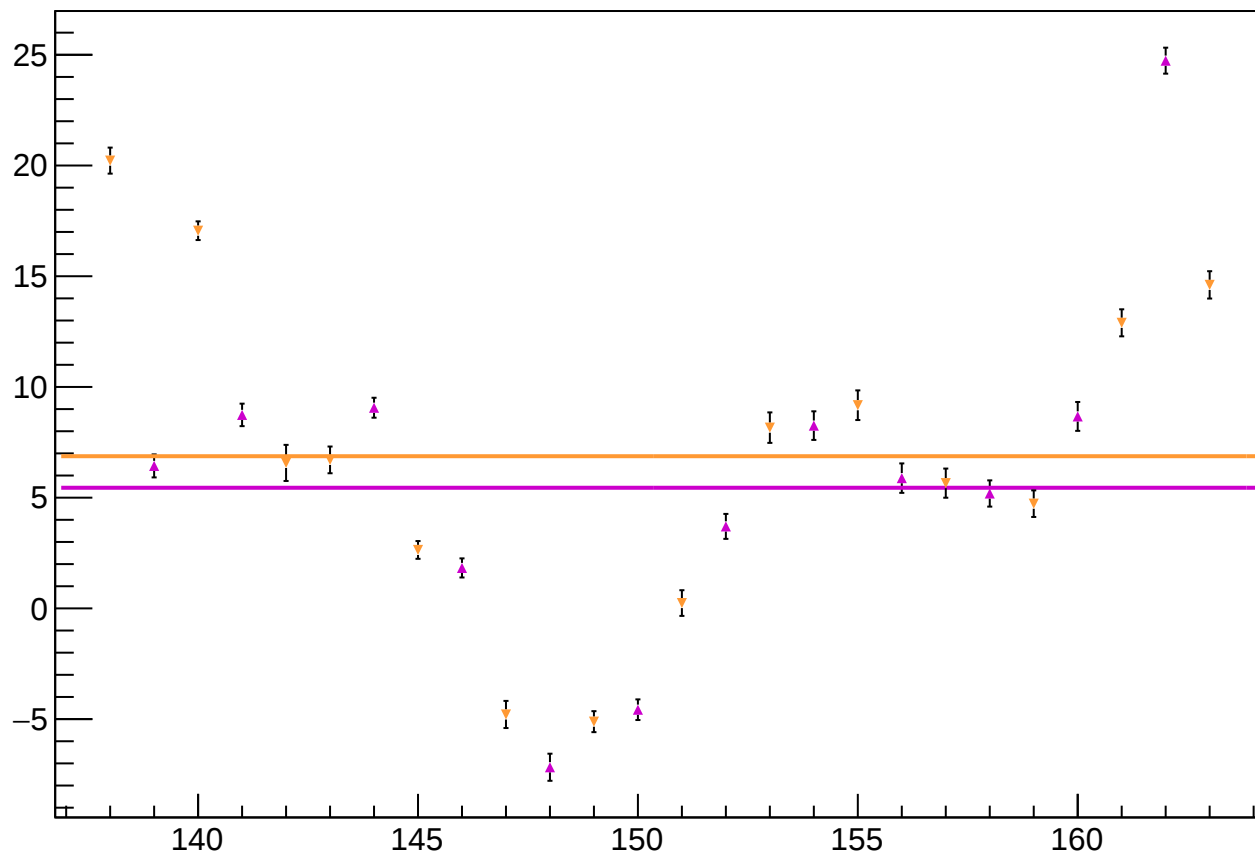
Right: -0.391 ± 0.020 χ^2/NDF : 1019.4/35

In: 0.193 ± 0.010 χ^2/NDF : 787.5/28

Out: 0.166 ± 0.010 χ^2/NDF : 1262.9/32

All: 0.179 ± 0.007 χ^2/NDF : 2053.6/61

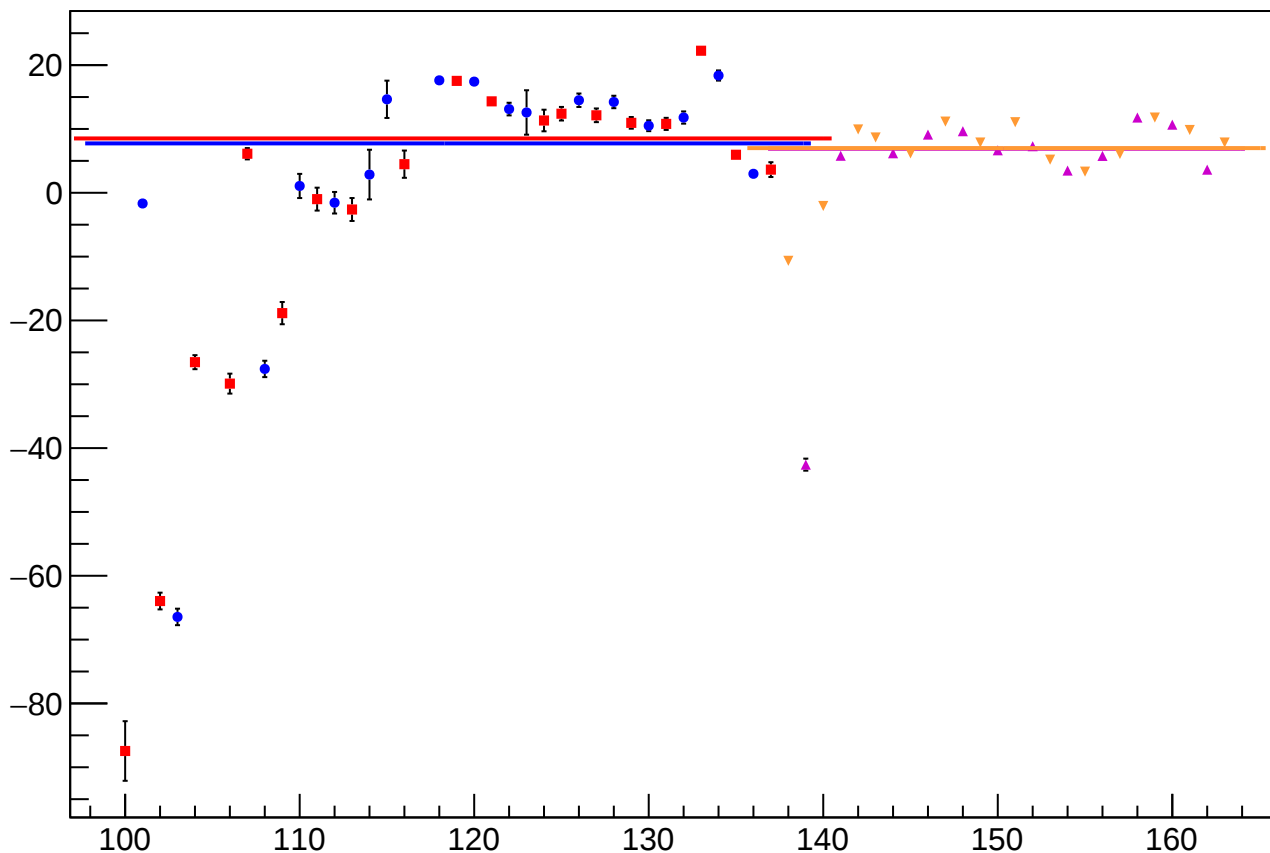
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 6.872+/-0.151 χ^2/NDF :2629.1/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 5.448+/-0.156 χ^2/NDF :2202.8/11

Left: 6.183+/-0.109 χ^2/NDF : 4874.9/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 5.448+/-0.156 χ^2/NDF :2202.8/11
 Out: 6.872+/-0.151 χ^2/NDF :2629.1/13
 All: 6.183+/-0.109 χ^2/NDF : 4874.9/25

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.737 ± 0.218 $\chi^2/\text{NDF}: 5300.6/16$

Left Out: 6.998 ± 0.106 $\chi^2/\text{NDF}: 2211.4/13$

Right Out: 8.514 ± 0.213 $\chi^2/\text{NDF}: 6719.4/18$

Left In: 6.900 ± 0.109 $\chi^2/\text{NDF}: 3240.6/11$

Left: 6.950 ± 0.076 $\chi^2/\text{NDF}: 5452.4/25$

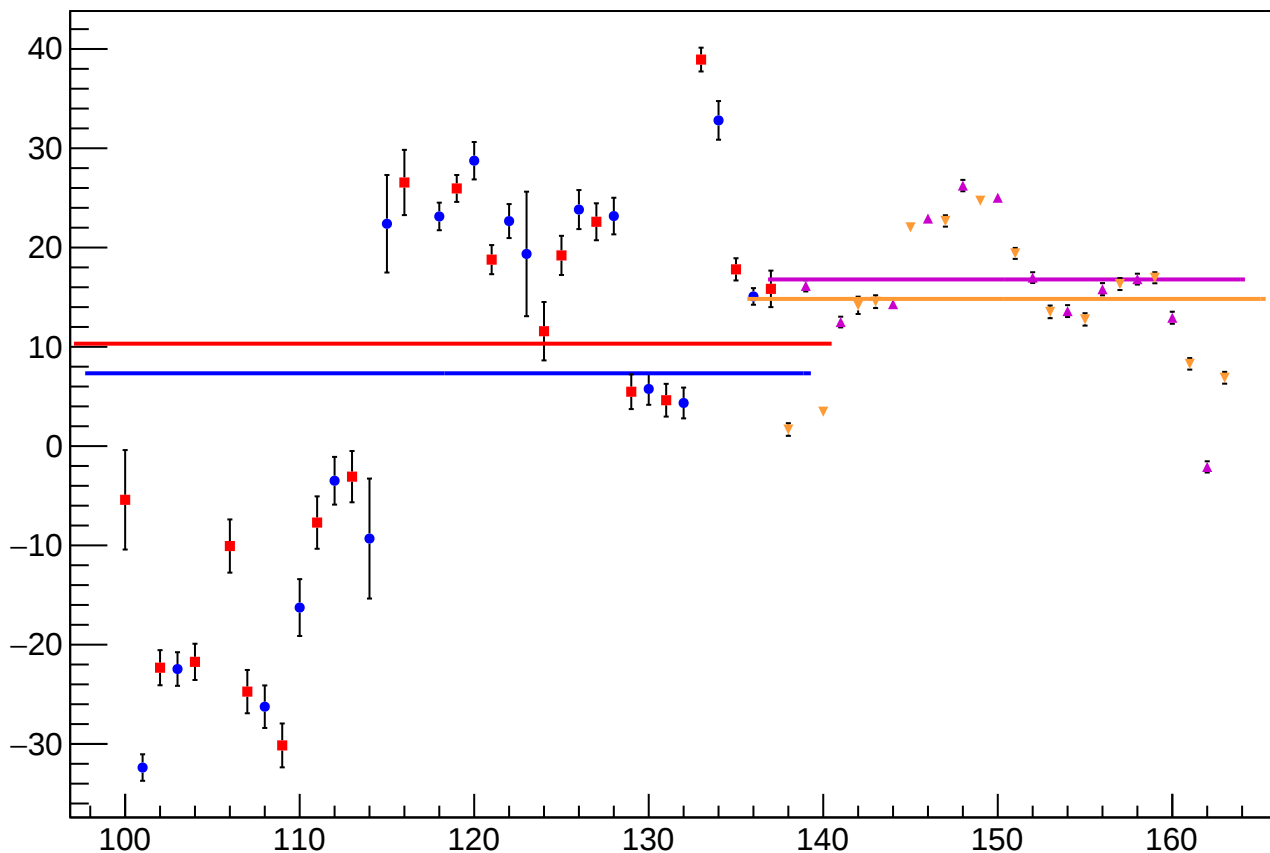
Right: 8.134 ± 0.152 $\chi^2/\text{NDF}: 12026.5/35$

In: 7.068 ± 0.098 $\chi^2/\text{NDF}: 8553.0/28$

Out: 7.296 ± 0.095 $\chi^2/\text{NDF}: 8971.4/32$

All: 7.186 ± 0.068 $\chi^2/\text{NDF}: 17527.2/61$

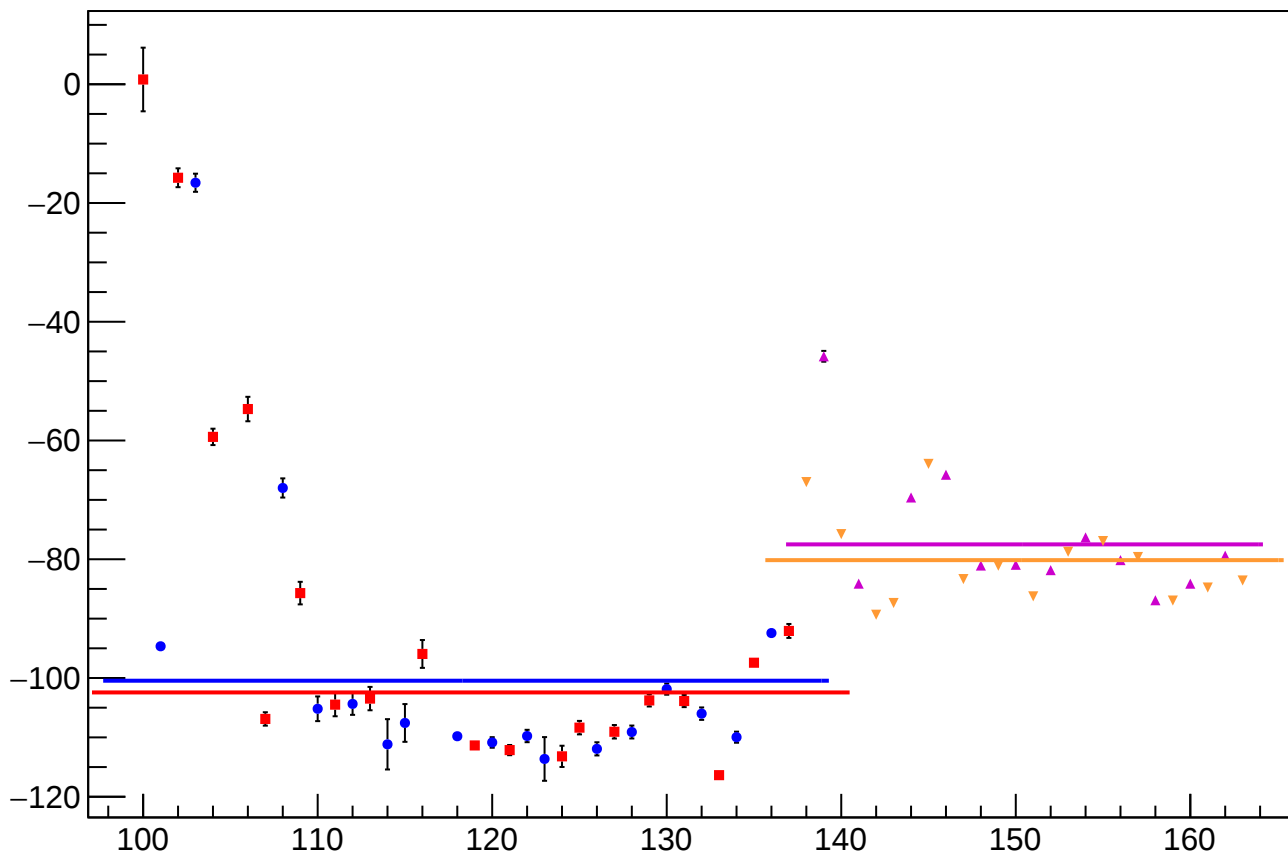
reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 7.333 ± 0.419 $\chi^2/\text{NDF}: 2293.1/16$
 Left Out: 14.826 ± 0.149 $\chi^2/\text{NDF}: 2449.2/13$
 Right Out: 10.317 ± 0.417 $\chi^2/\text{NDF}: 2281.5/18$
 Left In: 16.787 ± 0.152 $\chi^2/\text{NDF}: 2127.3/11$

Left: 15.787 ± 0.107 $\chi^2/\text{NDF}: 4660.9/25$
 Right: 8.831 ± 0.295 $\chi^2/\text{NDF}: 4600.2/35$
 In: 15.681 ± 0.143 $\chi^2/\text{NDF}: 4870.9/28$
 Out: 14.314 ± 0.141 $\chi^2/\text{NDF}: 4834.4/32$
 All: 14.985 ± 0.100 $\chi^2/\text{NDF}: 9751.7/61$

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: -80.150 ± 0.124 χ^2/NDF : 3437.3/13

Right Out: -102.431 ± 0.246 χ^2/NDF : 6094.3/18

Left In: -77.495 ± 0.128 χ^2/NDF : 3996.6/11

Left: -78.865 ± 0.089 χ^2/NDF : 7654.4/25

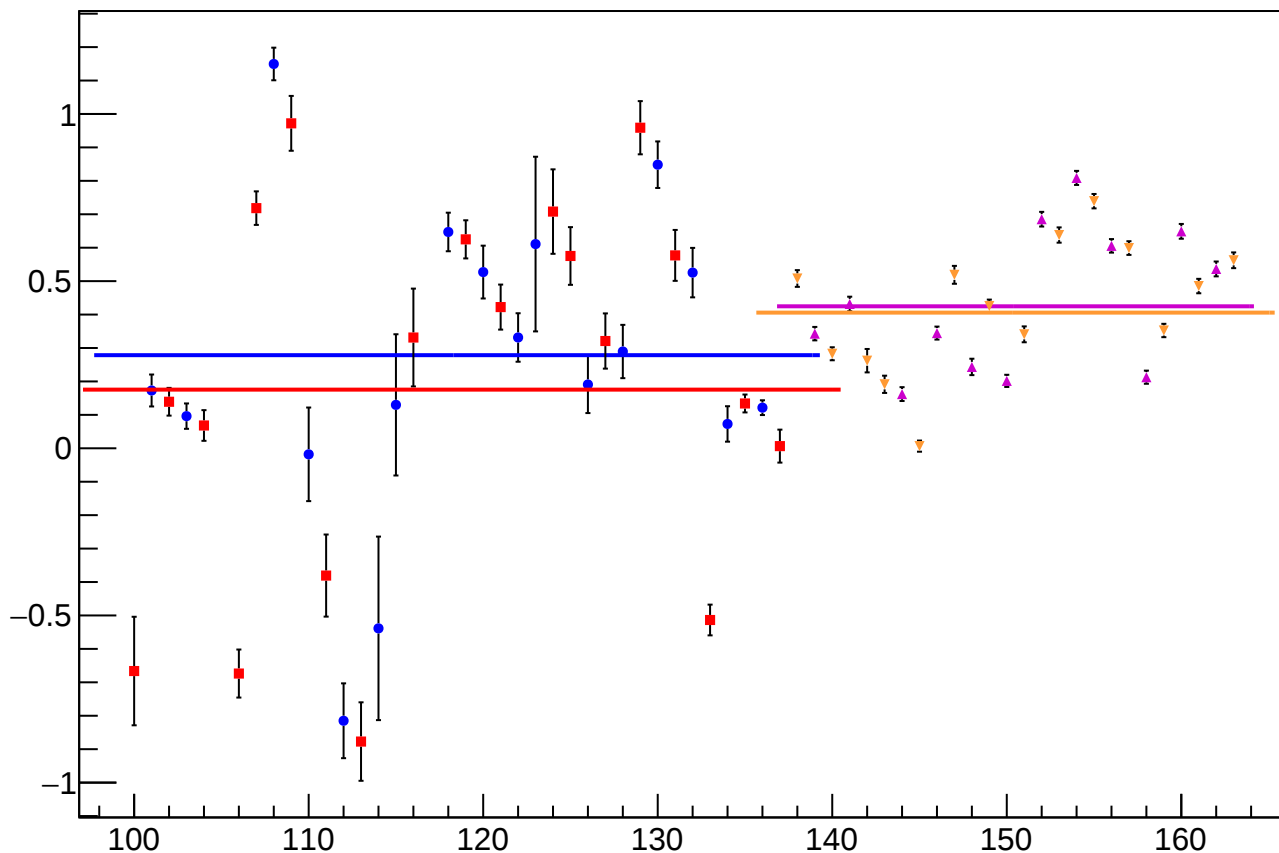
Right: -101.462 ± 0.176 χ^2/NDF : 10586.9/35

In: -82.268 ± 0.114 χ^2/NDF : 15100.6/28

Out: -84.680 ± 0.111 χ^2/NDF : 16053.4/32

All: -83.509 ± 0.080 χ^2/NDF : 31383.1/61

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: 0.406 ± 0.006 χ^2/NDF : 1239.9/13

Right Out: 0.175 ± 0.013 χ^2/NDF : 967.7/18

Left In: 0.425 ± 0.006 χ^2/NDF : 1196.4/11

Left: 0.415 ± 0.004 χ^2/NDF : 2441.3/25

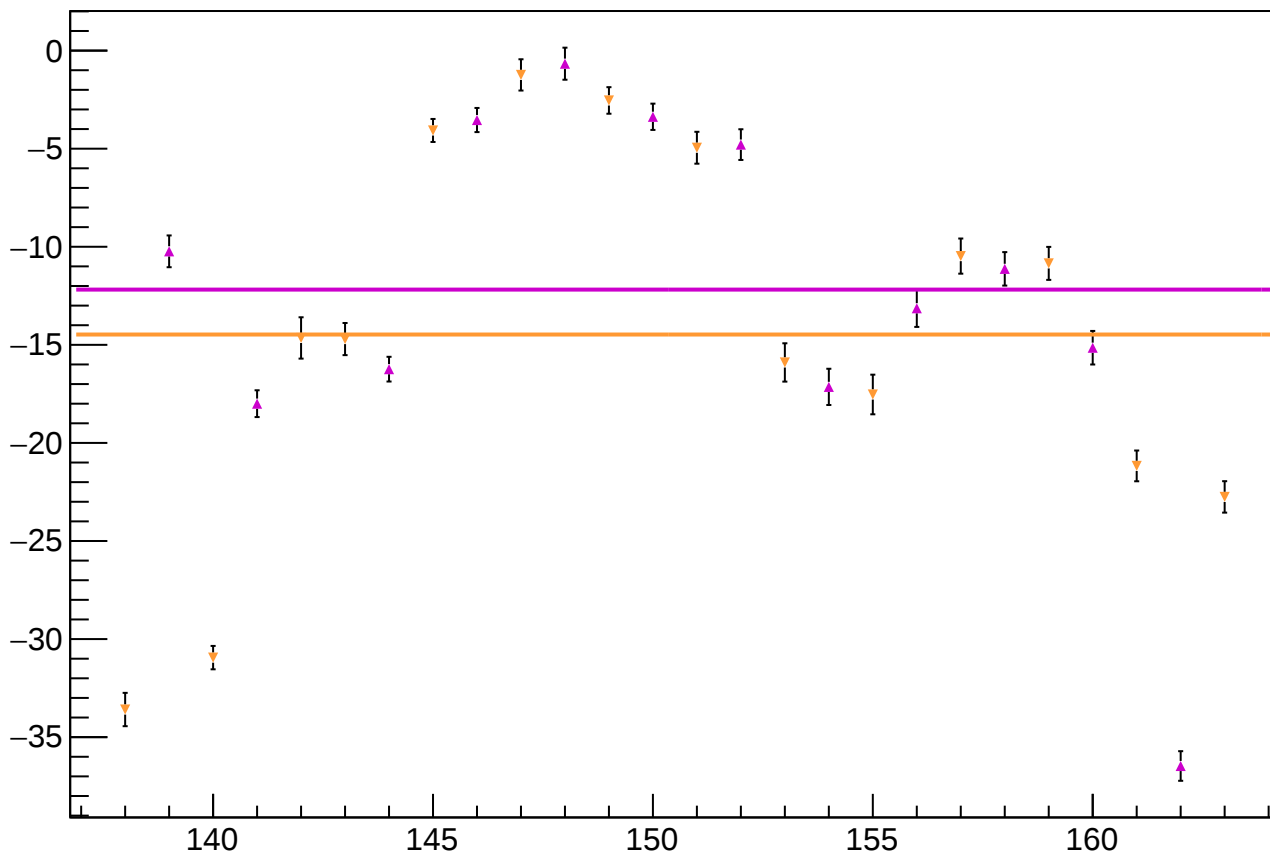
Right: 0.227 ± 0.010 χ^2/NDF : 1650.8/35

In: 0.401 ± 0.005 χ^2/NDF : 1947.9/28

Out: 0.369 ± 0.005 χ^2/NDF : 2453.1/32

All: 0.385 ± 0.004 χ^2/NDF : 4417.8/61

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: -14.474+/-0.210 χ^2/NDF : 2538.1/13

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

Left In: -12.184+/-0.218 χ^2/NDF : 1856.0/11

Left: -13.373+/-0.151 χ^2/NDF : 4451.2/25

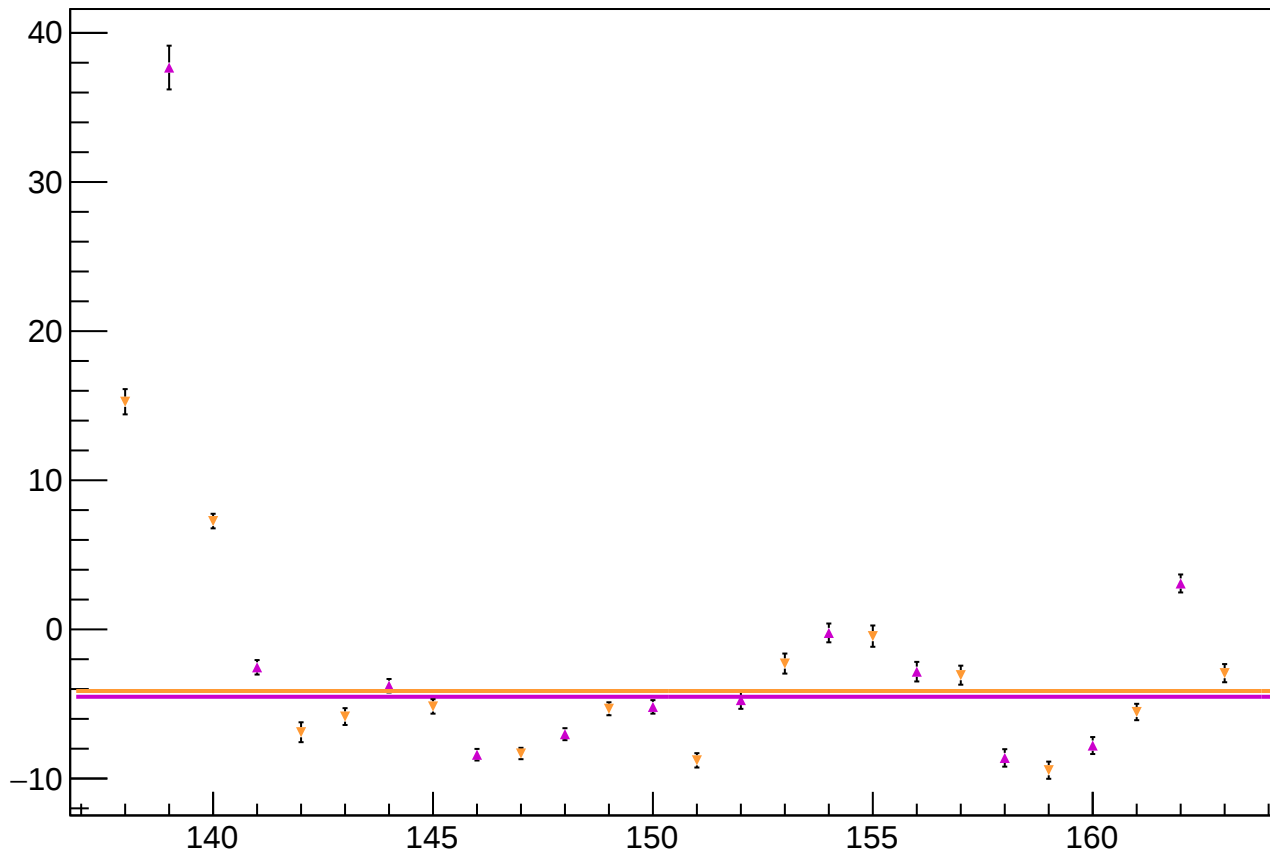
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -12.184+/-0.218 χ^2/NDF : 1856.0/11

Out: -14.474+/-0.210 χ^2/NDF : 2538.1/13

All: -13.373+/-0.151 χ^2/NDF : 4451.2/25

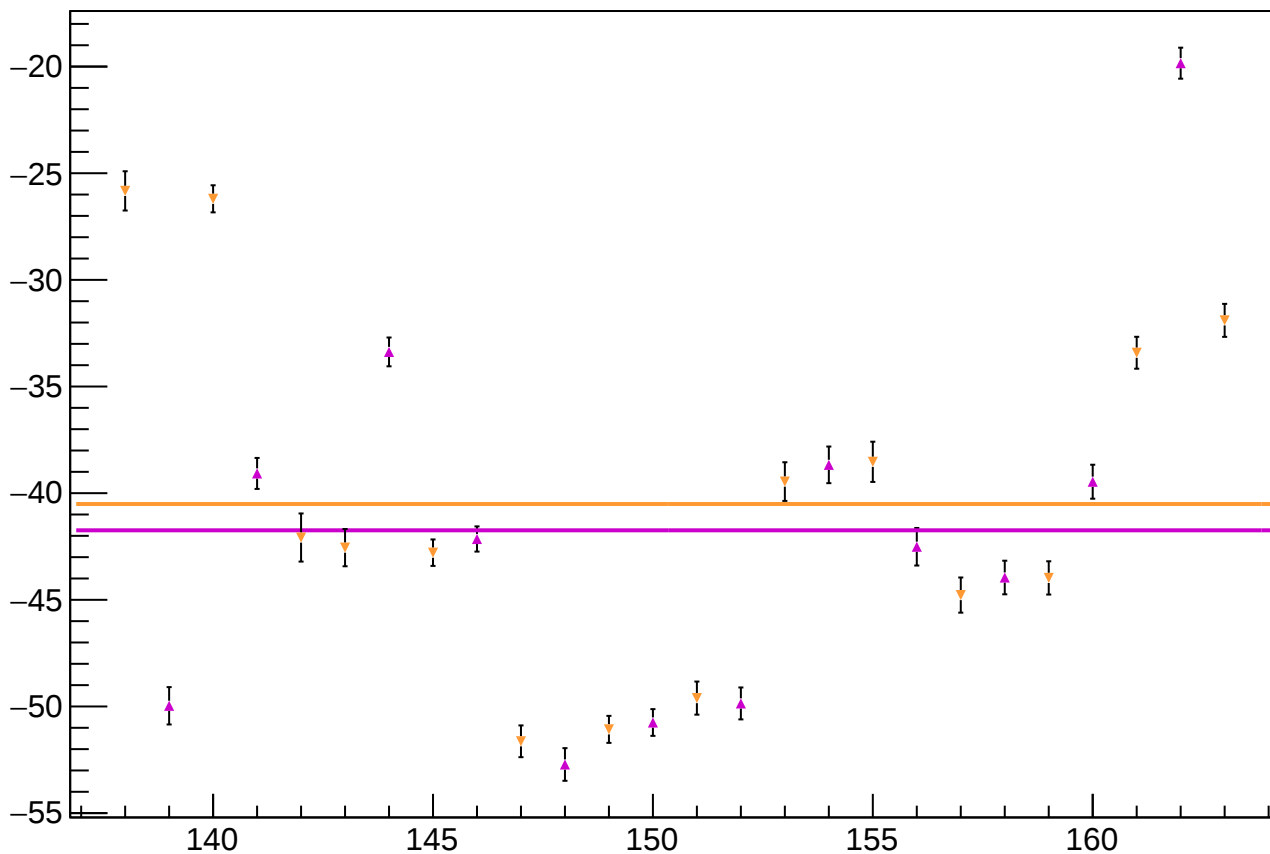
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -4.130+/-0.145 χ^2/NDF :1452.6/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -4.518+/-0.151 χ^2/NDF :1281.3/11

Left: -4.317+/-0.105 χ^2/NDF : 2737.3/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -4.518+/-0.151 χ^2/NDF :1281.3/11
 Out: -4.130+/-0.145 χ^2/NDF :1452.6/13
 All: -4.317+/-0.105 χ^2/NDF : 2737.3/25

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: -40.508+/-0.207 χ^2/NDF :1688.5/13

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

Left In: -41.741+/-0.213 χ^2/NDF :1722.4/11

Left: -41.108+/-0.149 χ^2/NDF : 3428.1/25

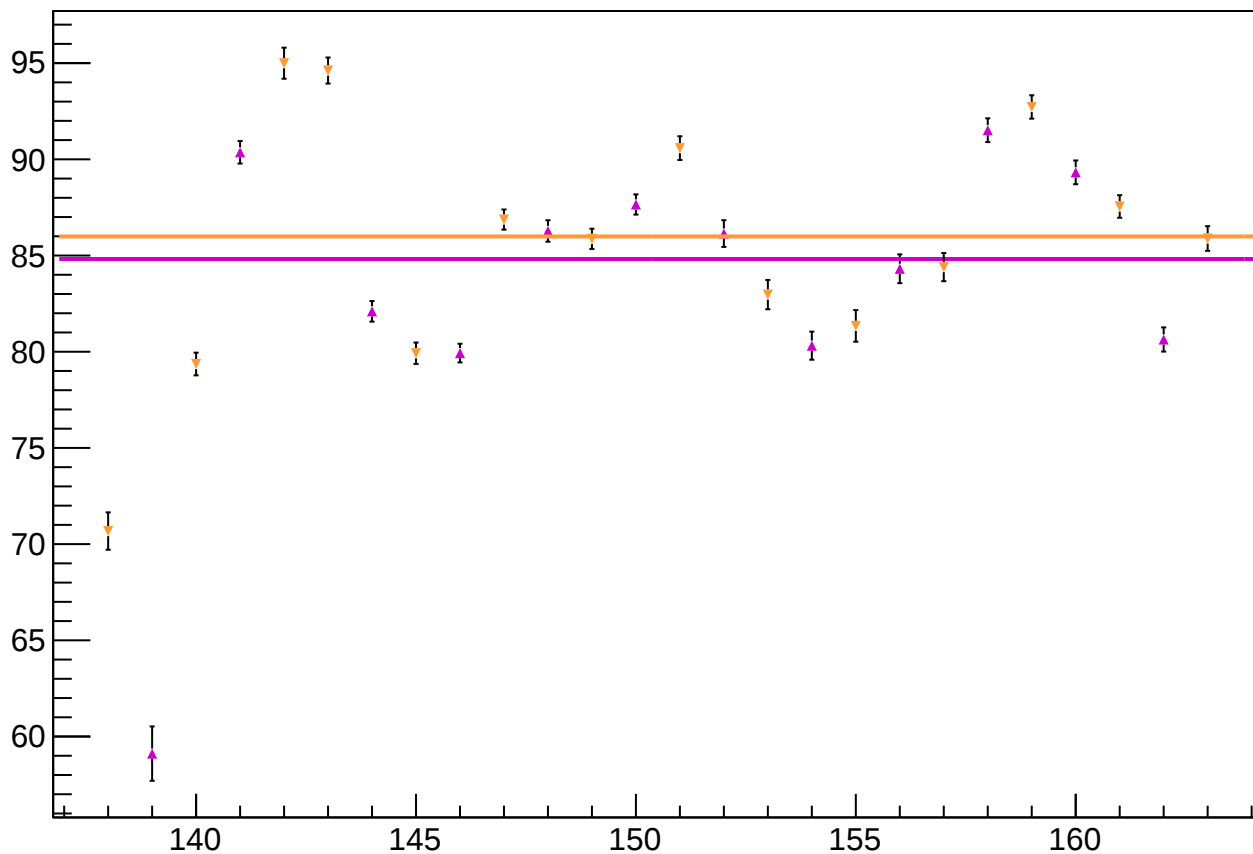
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -41.741+/-0.213 χ^2/NDF :1722.4/11

Out: -40.508+/-0.207 χ^2/NDF :1688.5/13

All: -41.108+/-0.149 χ^2/NDF : 3428.1/25

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: 85.991+/-0.172 χ^2/NDF :1022.1/13

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

Left In: 84.820+/-0.178 χ^2/NDF :841.7/11

Left: 85.427+/-0.124 χ^2/NDF : 1886.2/25

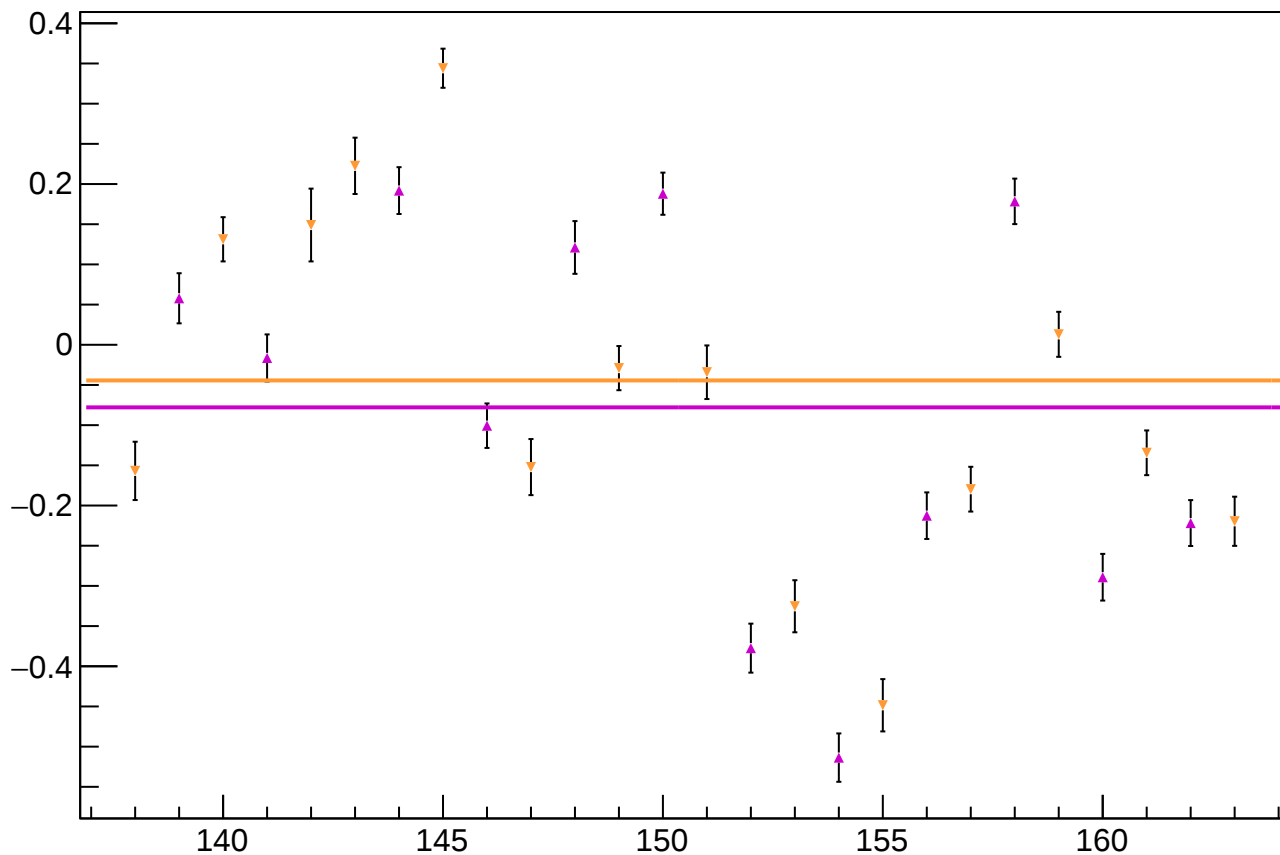
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 84.820+/-0.178 χ^2/NDF :841.7/11

Out: 85.991+/-0.172 χ^2/NDF :1022.1/13

All: 85.427+/-0.124 χ^2/NDF : 1886.2/25

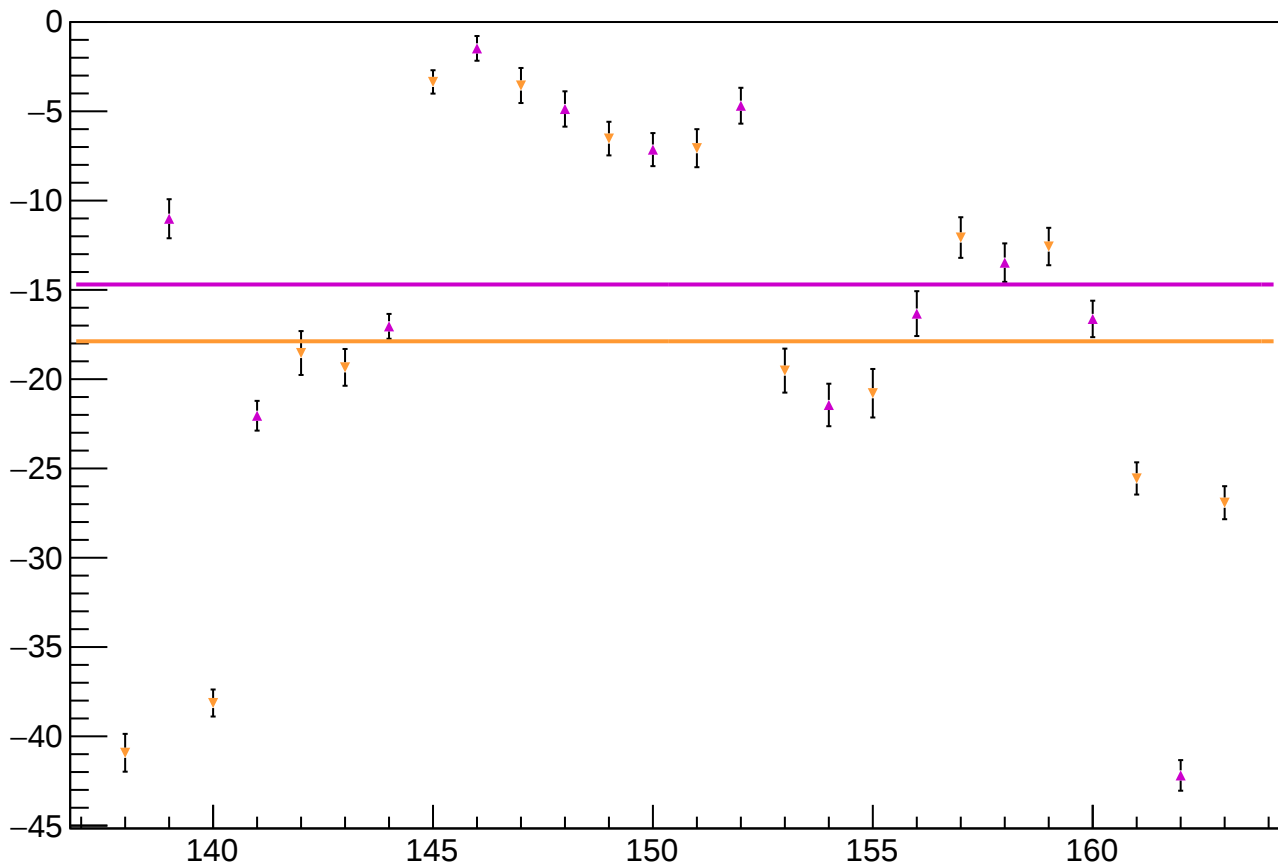
reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.044+/-0.008 χ^2/NDF : 691.9/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.078+/-0.008 χ^2/NDF : 737.8/11

Left: -0.061+/-0.006 χ^2/NDF : 1437.8/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.078+/-0.008 χ^2/NDF : 737.8/11
 Out: -0.044+/-0.008 χ^2/NDF : 691.9/13
 All: -0.061+/-0.006 χ^2/NDF : 1437.8/25

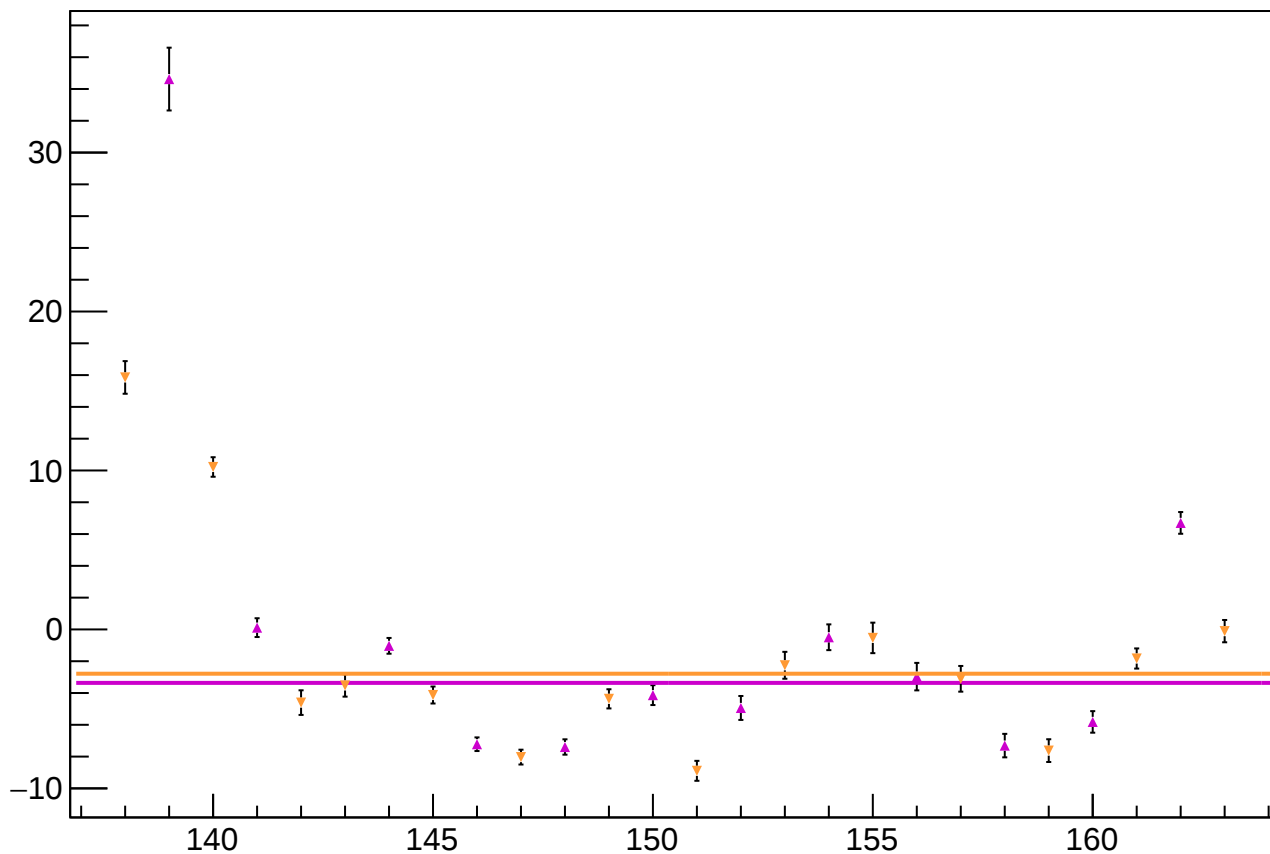
reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -17.879+/-0.259 χ^2/NDF :2371.7/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -14.698+/-0.266 χ^2/NDF :1797.1/11

Left: -16.330+/-0.186 χ^2/NDF : 4242.2/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -14.698+/-0.266 χ^2/NDF :1797.1/11
 Out: -17.879+/-0.259 χ^2/NDF :2371.7/13
 All: -16.330+/-0.186 χ^2/NDF : 4242.2/25

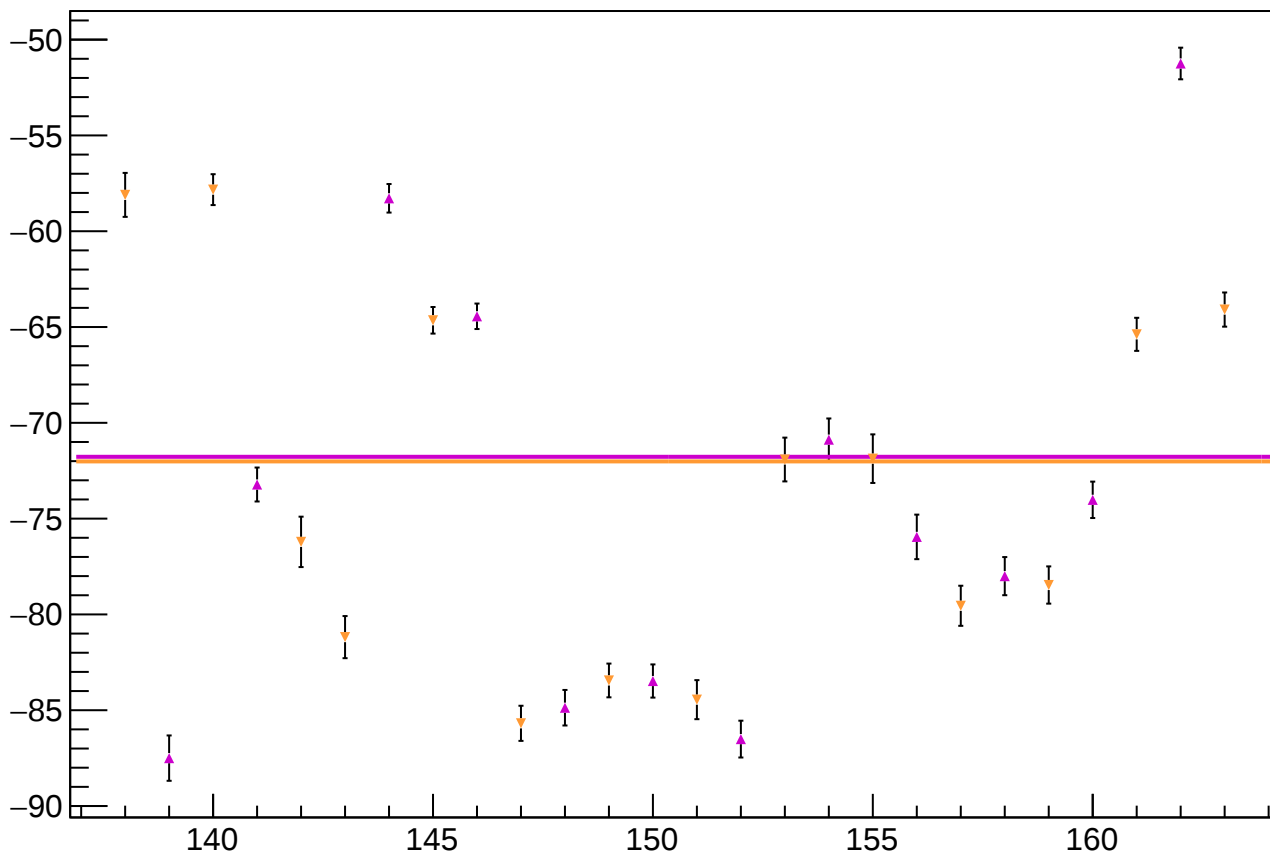
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.786+/-0.179 χ^2/NDF :1086.9/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.363+/-0.182 χ^2/NDF :854.3/11

Left: -3.070+/-0.128 χ^2/NDF : 1946.4/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -3.363+/-0.182 χ^2/NDF :854.3/11
 Out: -2.786+/-0.179 χ^2/NDF :1086.9/13
 All: -3.070+/-0.128 χ^2/NDF : 1946.4/25

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: -72.014+/-0.257 χ^2/NDF :1423.0/13

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

Left In: -71.773+/-0.260 χ^2/NDF :1922.8/11

Left: -71.895+/-0.183 χ^2/NDF : 3346.3/25

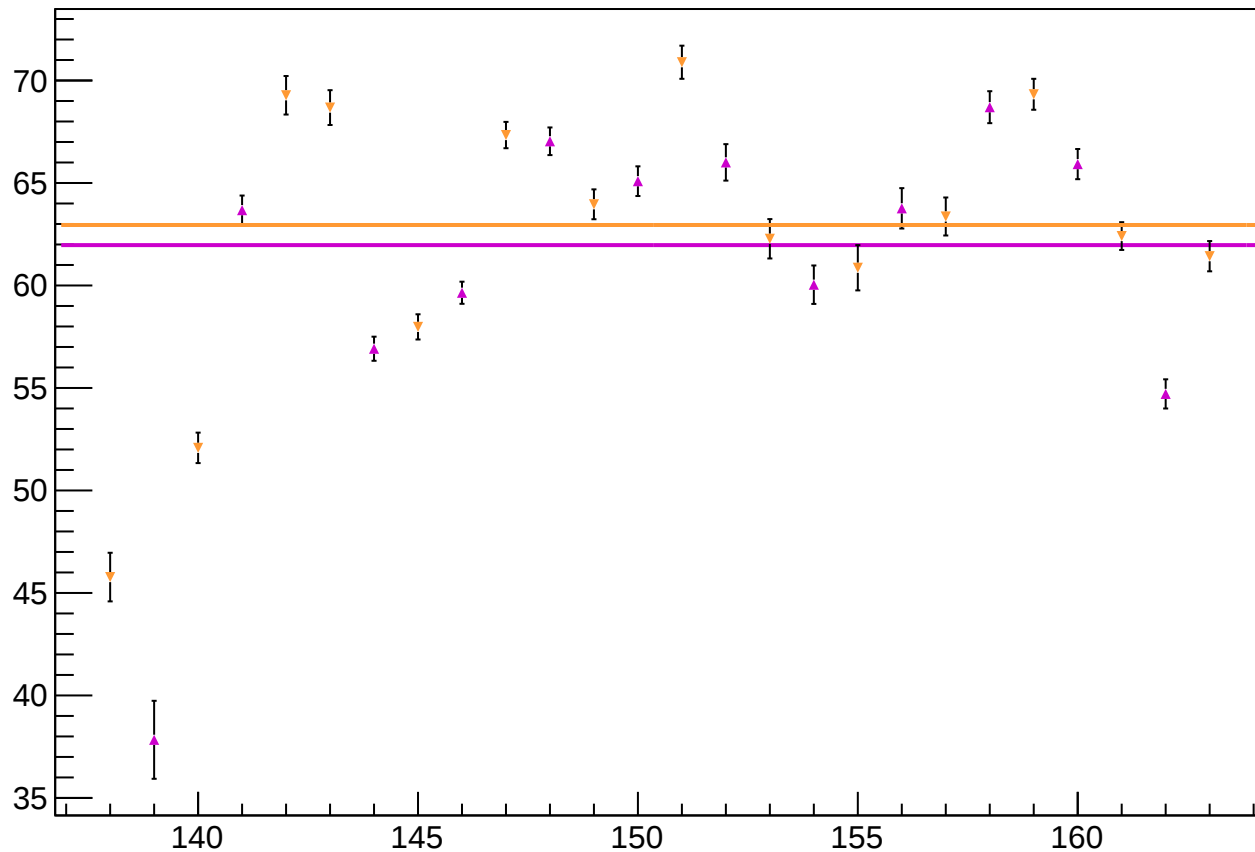
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -71.773+/-0.260 χ^2/NDF :1922.8/11

Out: -72.014+/-0.257 χ^2/NDF :1423.0/13

All: -71.895+/-0.183 χ^2/NDF : 3346.3/25

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 62.951 $\pm$ 0.211 χ^2 /NDF:805.7/13
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 61.969 $\pm$ 0.215 χ^2 /NDF:569.6/11

Left: 62.469 $\pm$ 0.151 χ^2 /NDF: 1385.9/25

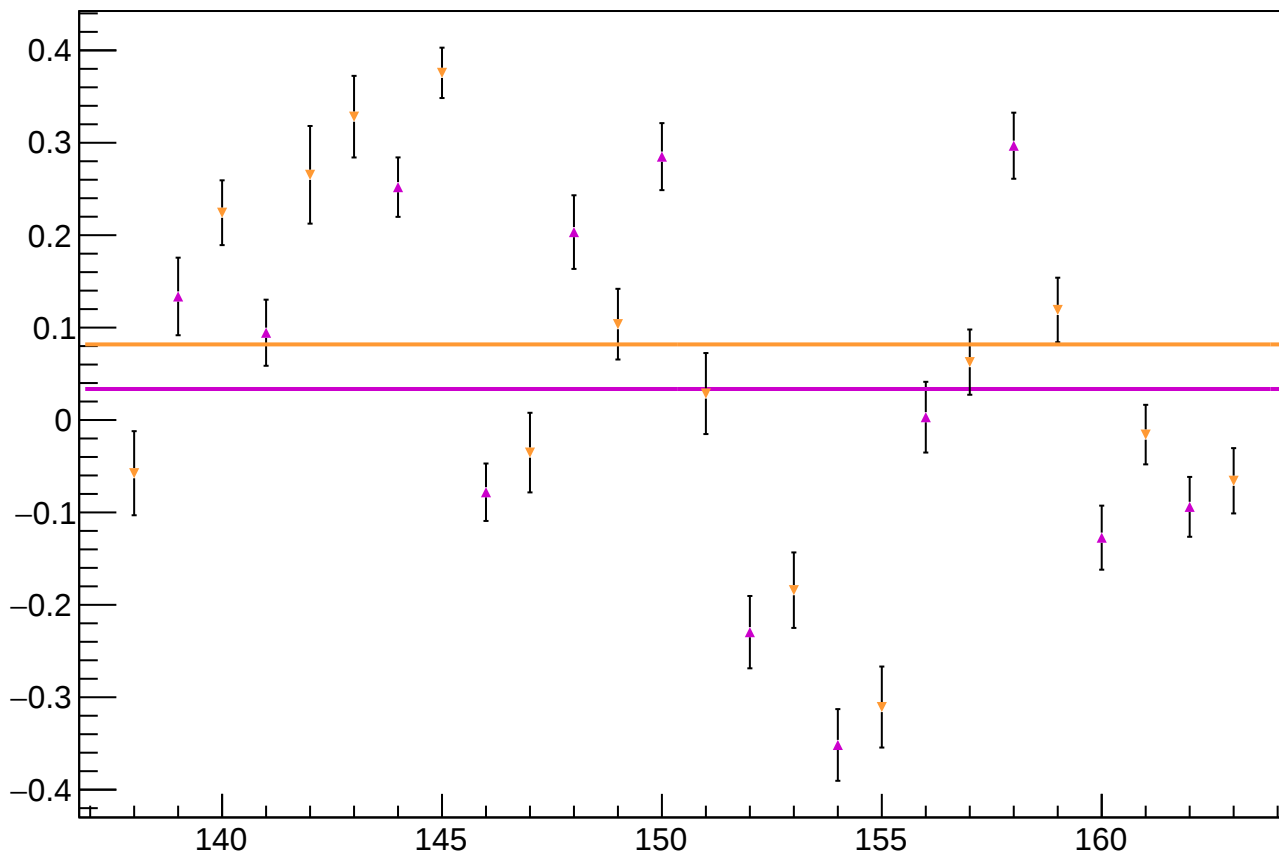
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 61.969 $\pm$ 0.215 χ^2 /NDF:569.6/11

Out: 62.951 $\pm$ 0.211 χ^2 /NDF:805.7/13

All: 62.469 $\pm$ 0.151 χ^2 /NDF: 1385.9/25

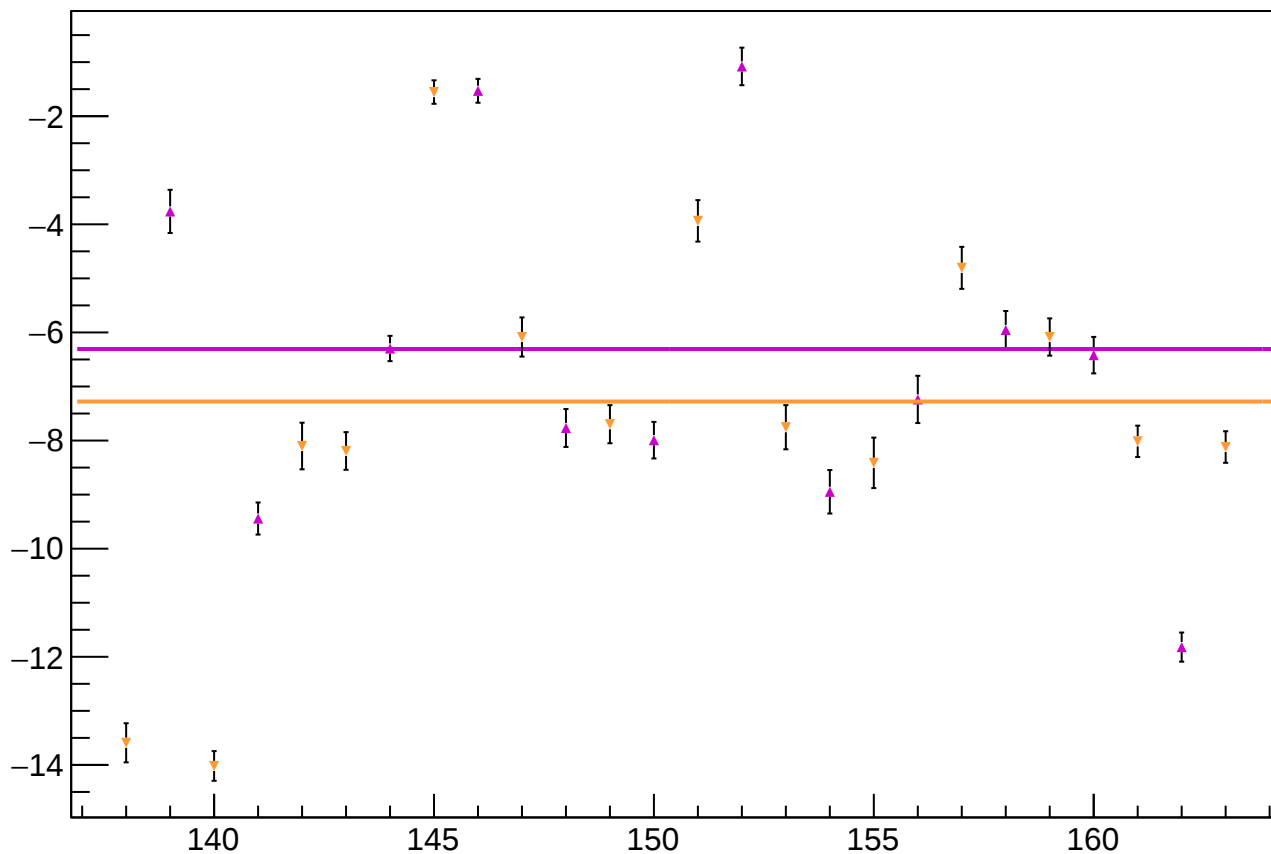
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.082 $\pm$ 0.010 χ^2 /NDF:345.2/13
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.034 $\pm$ 0.010 χ^2 /NDF:369.6/11

Left: 0.058 $\pm$ 0.007 χ^2 /NDF: 725.9/25
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.034 $\pm$ 0.010 χ^2 /NDF:369.6/11
 Out: 0.082 $\pm$ 0.010 χ^2 /NDF:345.2/13
 All: 0.058 $\pm$ 0.007 χ^2 /NDF: 725.9/25

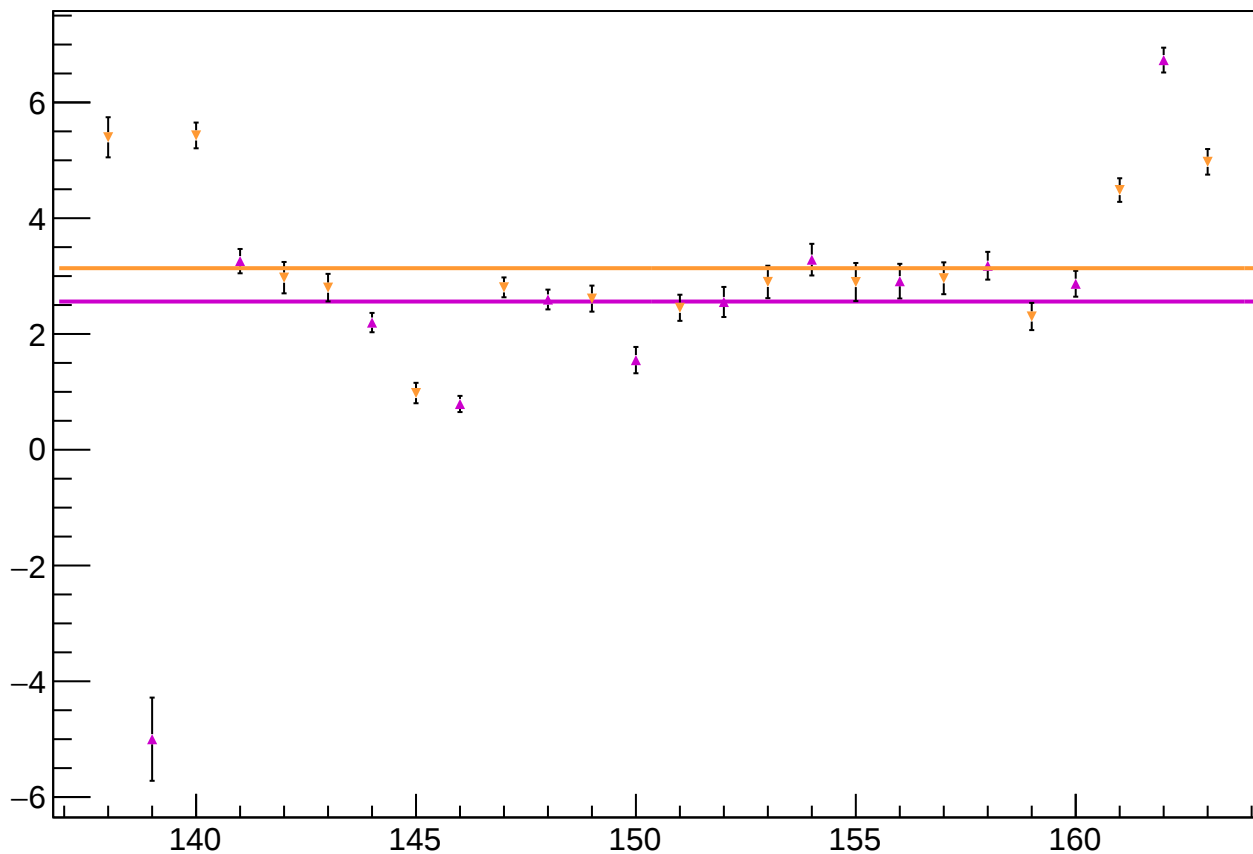
reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -7.278 $\pm$ 0.089 χ^2 /NDF:1776.4/13
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -6.307 $\pm$ 0.090 χ^2 /NDF:1356.1/11

Left: -6.800 $\pm$ 0.063 χ^2 /NDF: 3191.8/25
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -6.307 $\pm$ 0.090 χ^2 /NDF:1356.1/11
 Out: -7.278 $\pm$ 0.089 χ^2 /NDF:1776.4/13
 All: -6.800 $\pm$ 0.063 χ^2 /NDF: 3191.8/25

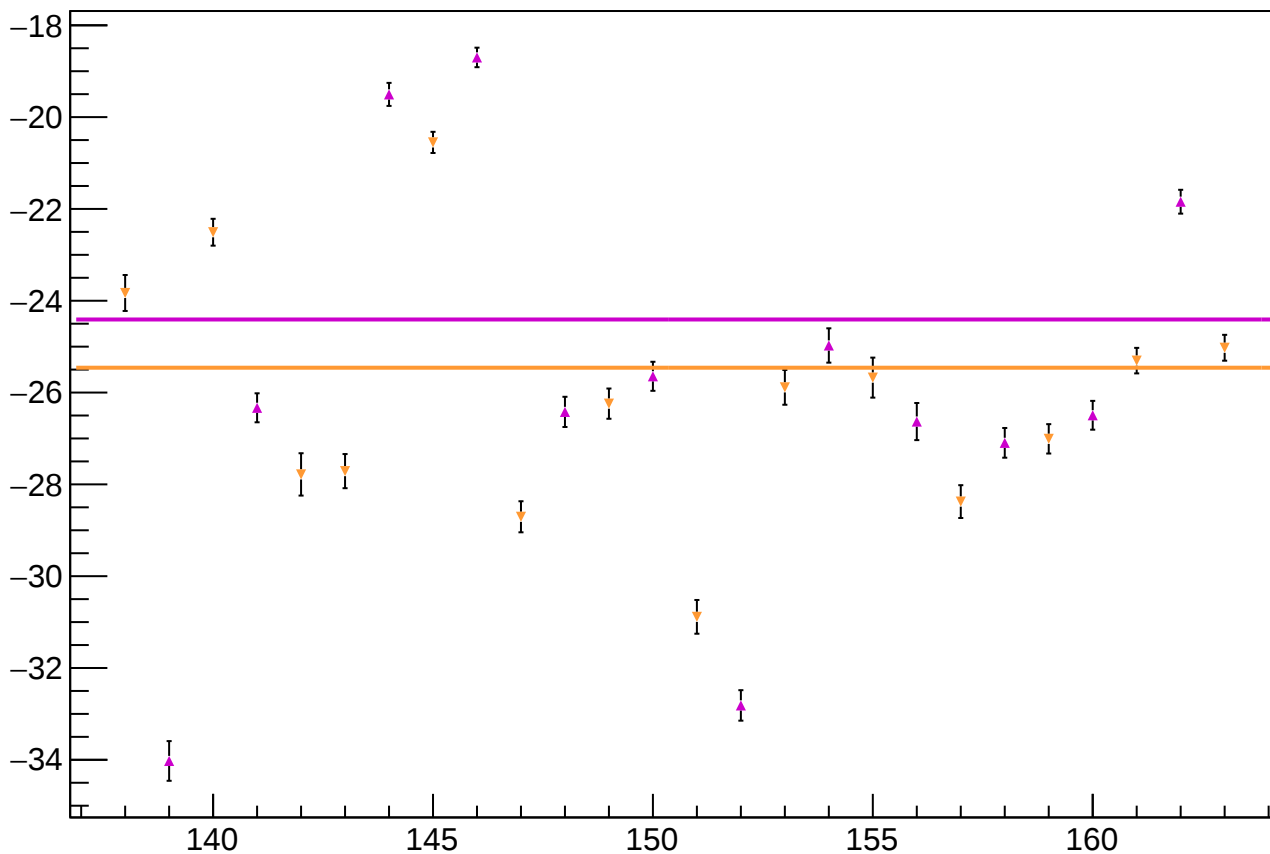
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 3.136+/-0.062 χ^2/NDF :446.5/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 2.560+/-0.062 χ^2/NDF :702.2/11

Left: 2.848+/-0.044 χ^2/NDF : 1192.4/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 2.560+/-0.062 χ^2/NDF :702.2/11
 Out: 3.136+/-0.062 χ^2/NDF :446.5/13
 All: 2.848+/-0.044 χ^2/NDF : 1192.4/25

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: -25.459+/-0.088 χ^2/NDF :1045.3/13

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

Left In: -24.408+/-0.088 χ^2/NDF :2572.4/11

Left: -24.934+/-0.062 χ^2/NDF : 3689.2/25

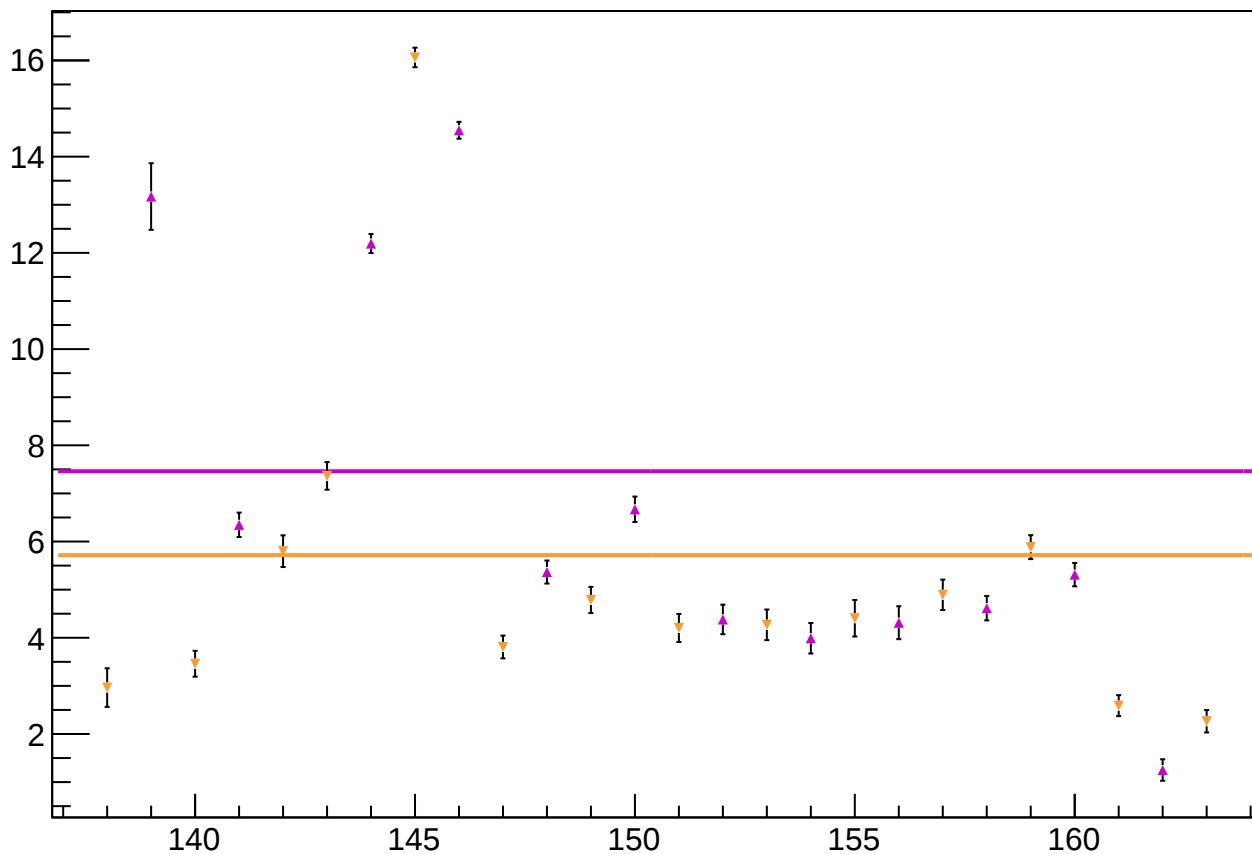
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -24.408+/-0.088 χ^2/NDF :2572.4/11

Out: -25.459+/-0.088 χ^2/NDF :1045.3/13

All: -24.934+/-0.062 χ^2/NDF : 3689.2/25

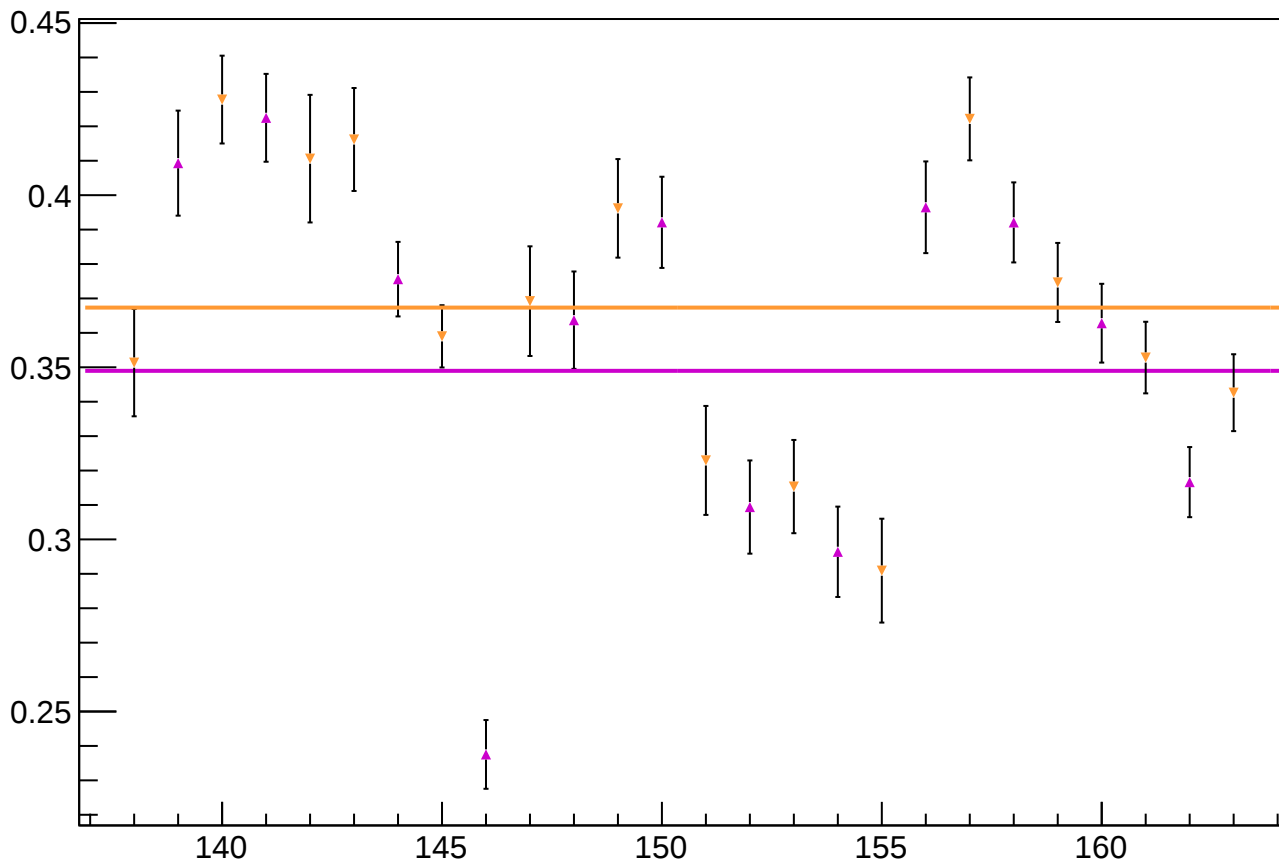
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.717+/-0.072 χ^2/NDF :3311.4/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 7.460+/-0.073 χ^2/NDF :3668.5/11

Left: 6.584+/-0.051 χ^2/NDF : 7269.0/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 7.460+/-0.073 χ^2/NDF :3668.5/11
 Out: 5.717+/-0.072 χ^2/NDF :3311.4/13
 All: 6.584+/-0.051 χ^2/NDF : 7269.0/25

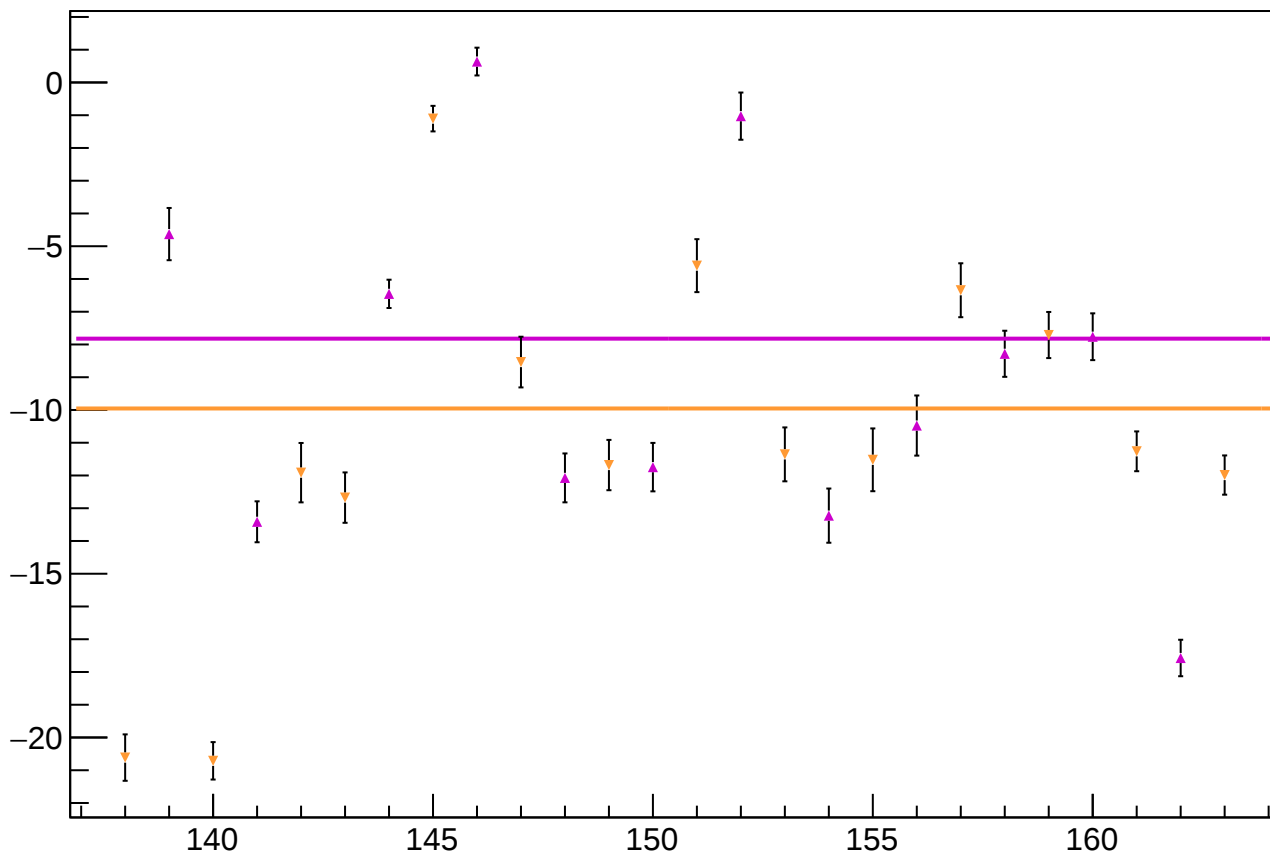
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.367 $\pm$ 0.003 χ^2 /NDF:120.8/13
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.349 $\pm$ 0.004 χ^2 /NDF:253.6/11

Left: 0.358 $\pm$ 0.002 χ^2 /NDF: 388.3/25
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.349 $\pm$ 0.004 χ^2 /NDF:253.6/11
 Out: 0.367 $\pm$ 0.003 χ^2 /NDF:120.8/13
 All: 0.358 $\pm$ 0.002 χ^2 /NDF: 388.3/25

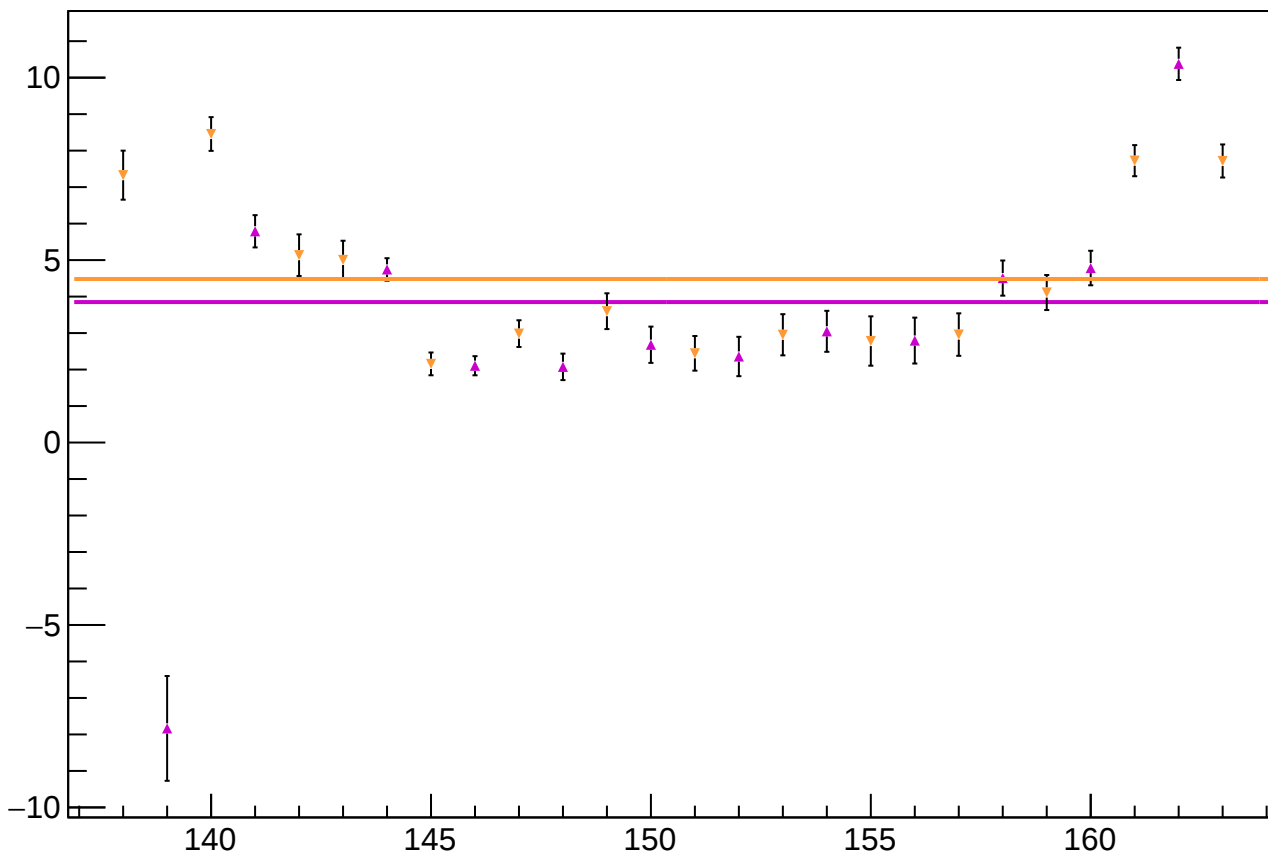
reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -9.954 $\pm$ 0.180 χ^2 /NDF:1201.3/13
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -7.822 $\pm$ 0.181 χ^2 /NDF:1011.4/11

Left: -8.897 $\pm$ 0.128 χ^2 /NDF: 2282.6/25
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -7.822 $\pm$ 0.181 χ^2 /NDF:1011.4/11
 Out: -9.954 $\pm$ 0.180 χ^2 /NDF:1201.3/13
 All: -8.897 $\pm$ 0.128 χ^2 /NDF: 2282.6/25

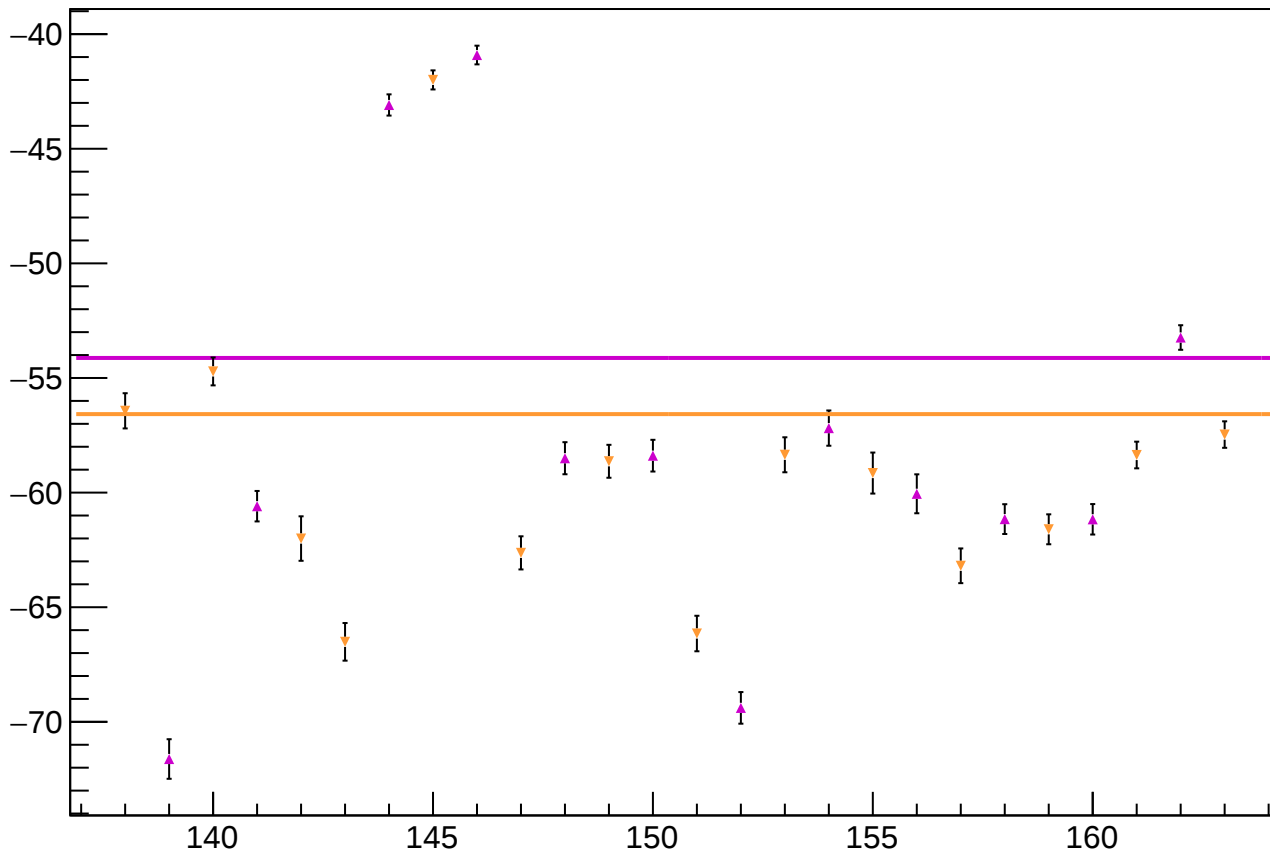
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.482 $\pm$ 0.126 χ^2 /NDF:317.9/13
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 3.850 $\pm$ 0.124 χ^2 /NDF:403.1/11

Left: 4.160 $\pm$ 0.088 χ^2 /NDF: 733.9/25
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 3.850 $\pm$ 0.124 χ^2 /NDF:403.1/11
 Out: 4.482 $\pm$ 0.126 χ^2 /NDF:317.9/13
 All: 4.160 $\pm$ 0.088 χ^2 /NDF: 733.9/25

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



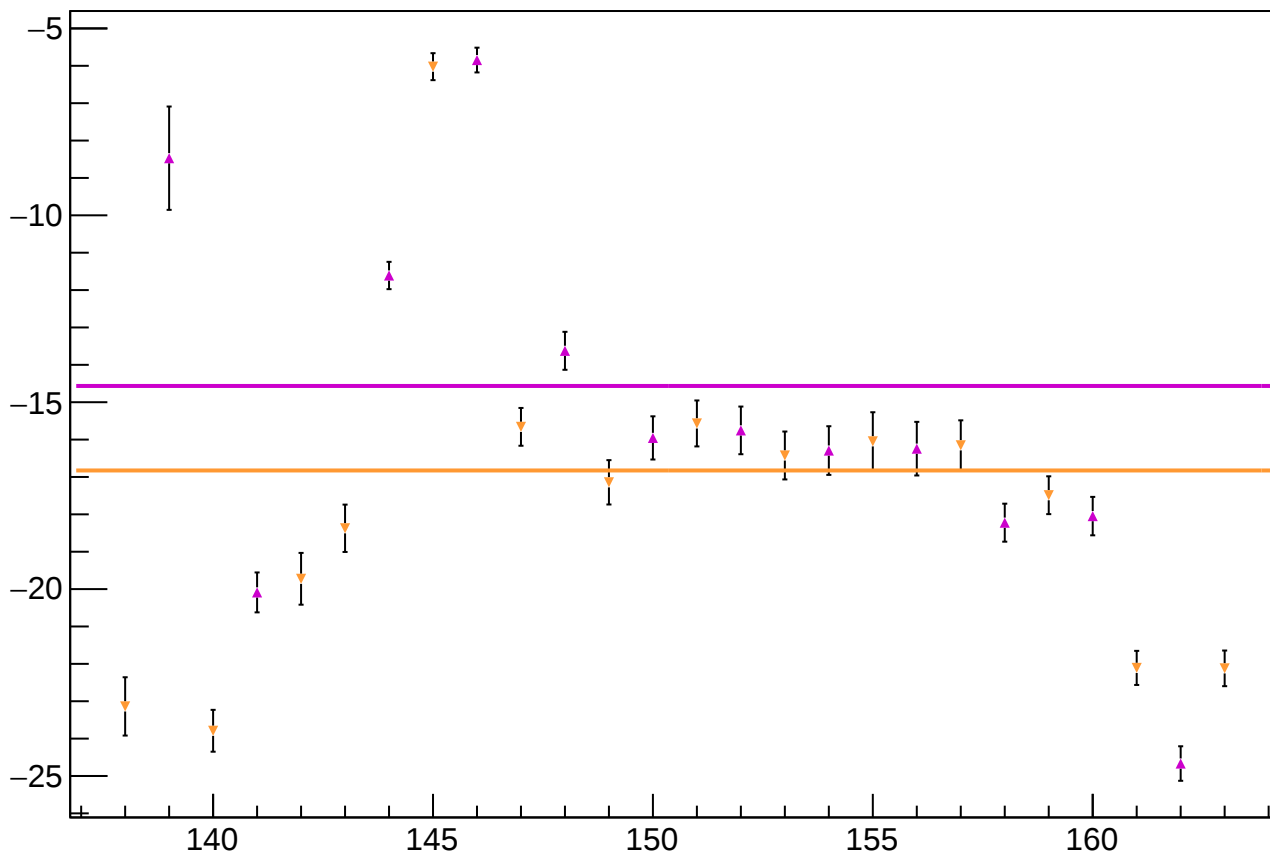
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -56.576+/-0.179 χ^2/NDF :1807.9/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -54.126+/-0.178 χ^2/NDF :2986.9/11

Left: -55.342+/-0.126 χ^2/NDF : 4889.2/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -54.126+/-0.178 χ^2/NDF :2986.9/11
 Out: -56.576+/-0.179 χ^2/NDF :1807.9/13

All: -55.342+/-0.126 χ^2/NDF : 4889.2/25

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -16.826 ± 0.148 $\chi^2/\text{NDF}: 1411.2/13$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -14.565 ± 0.146 $\chi^2/\text{NDF}: 1486.5/11$

Left: -15.687 ± 0.104 $\chi^2/\text{NDF}: 3016.0/25$

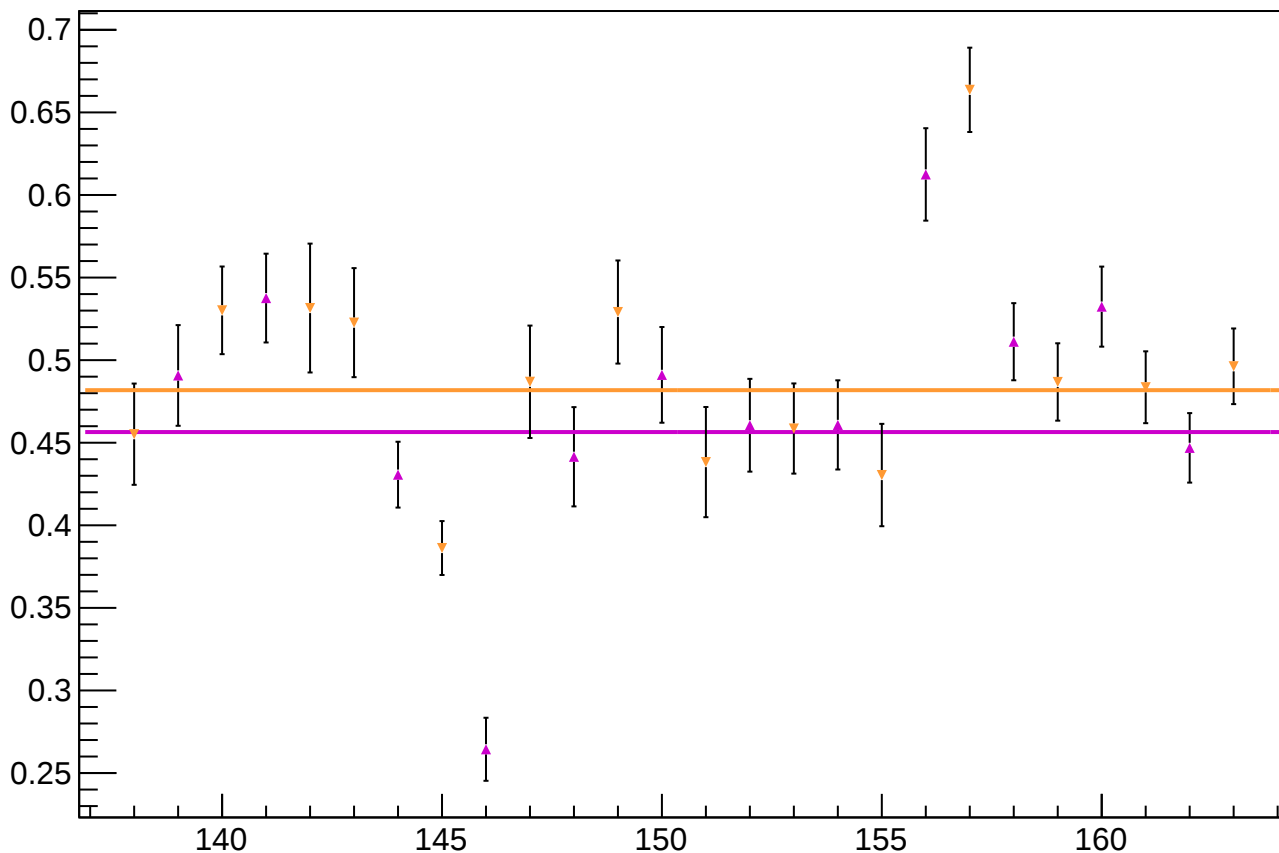
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -14.565 ± 0.146 $\chi^2/\text{NDF}: 1486.5/11$

Out: -16.826 ± 0.148 $\chi^2/\text{NDF}: 1411.2/13$

All: -15.687 ± 0.104 $\chi^2/\text{NDF}: 3016.0/25$

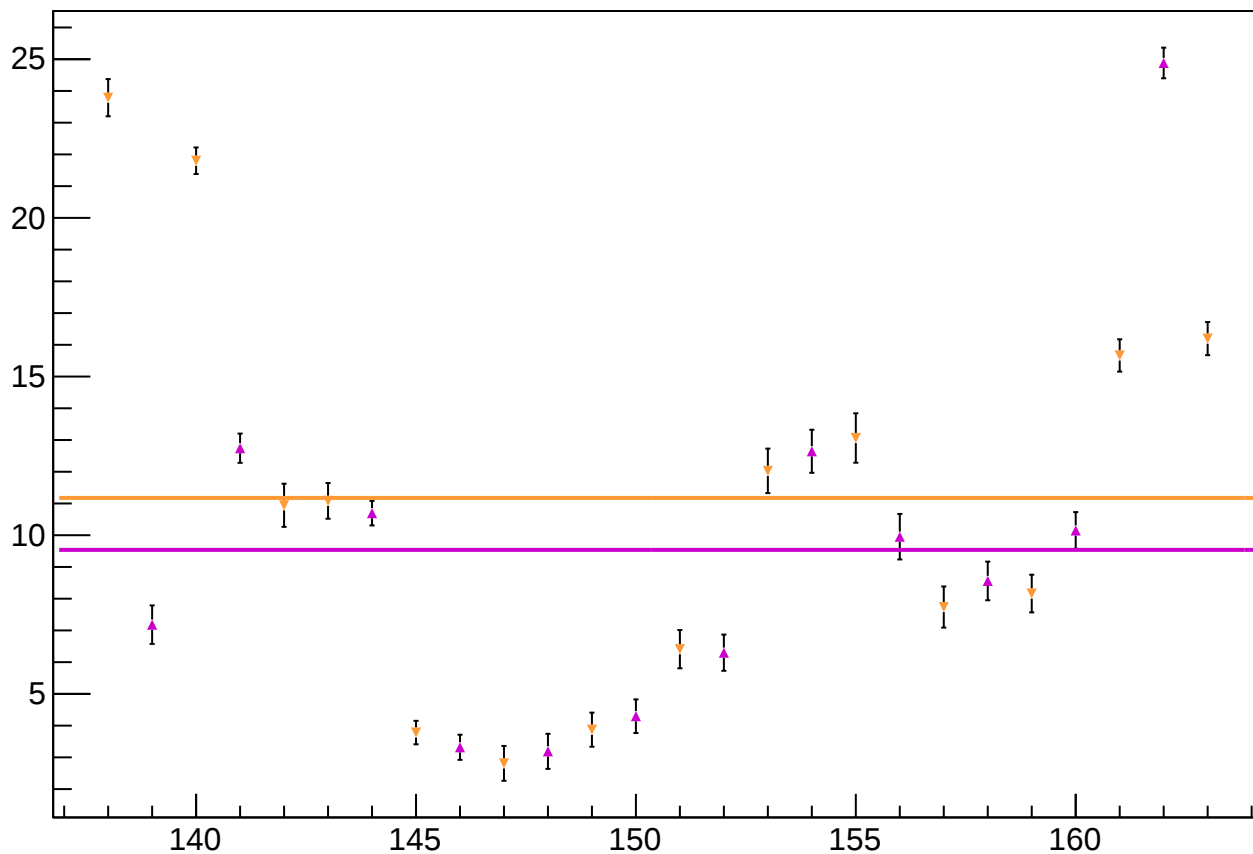
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 0.482 $\pm$ 0.007 χ^2/NDF :100.2/13
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 0.456 $\pm$ 0.007 χ^2/NDF :161.6/11

Left: 0.469 $\pm$ 0.005 χ^2/NDF : 268.3/25
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 0.456 $\pm$ 0.007 χ^2/NDF :161.6/11
 Out: 0.482 $\pm$ 0.007 χ^2/NDF :100.2/13
 All: 0.469 $\pm$ 0.005 χ^2/NDF : 268.3/25

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: 11.176+/-0.145 χ^2/NDF :2219.3/13

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

Left In: 9.538+/-0.150 χ^2/NDF :1618.9/11

Left: 10.382+/-0.104 χ^2/NDF : 3899.7/25

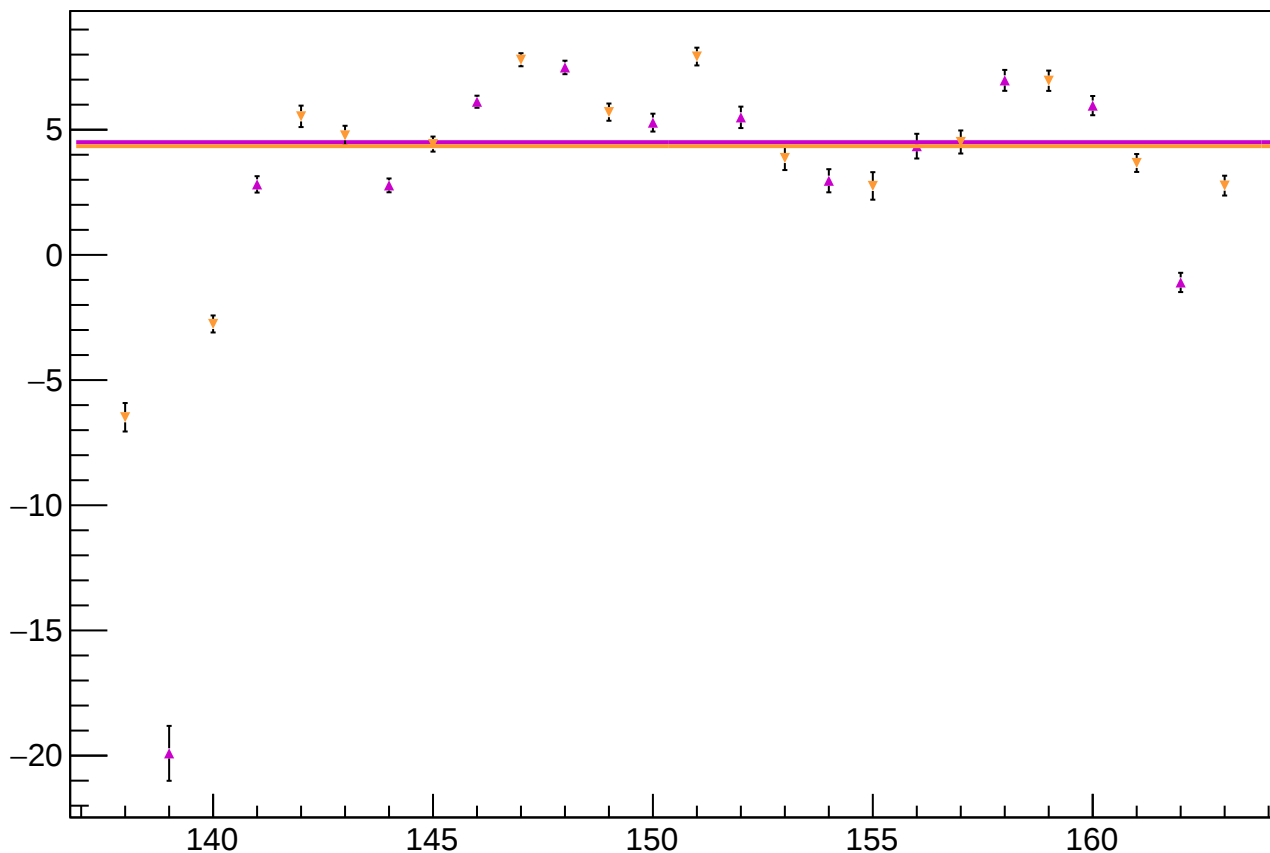
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 9.538+/-0.150 χ^2/NDF :1618.9/11

Out: 11.176+/-0.145 χ^2/NDF :2219.3/13

All: 10.382+/-0.104 χ^2/NDF : 3899.7/25

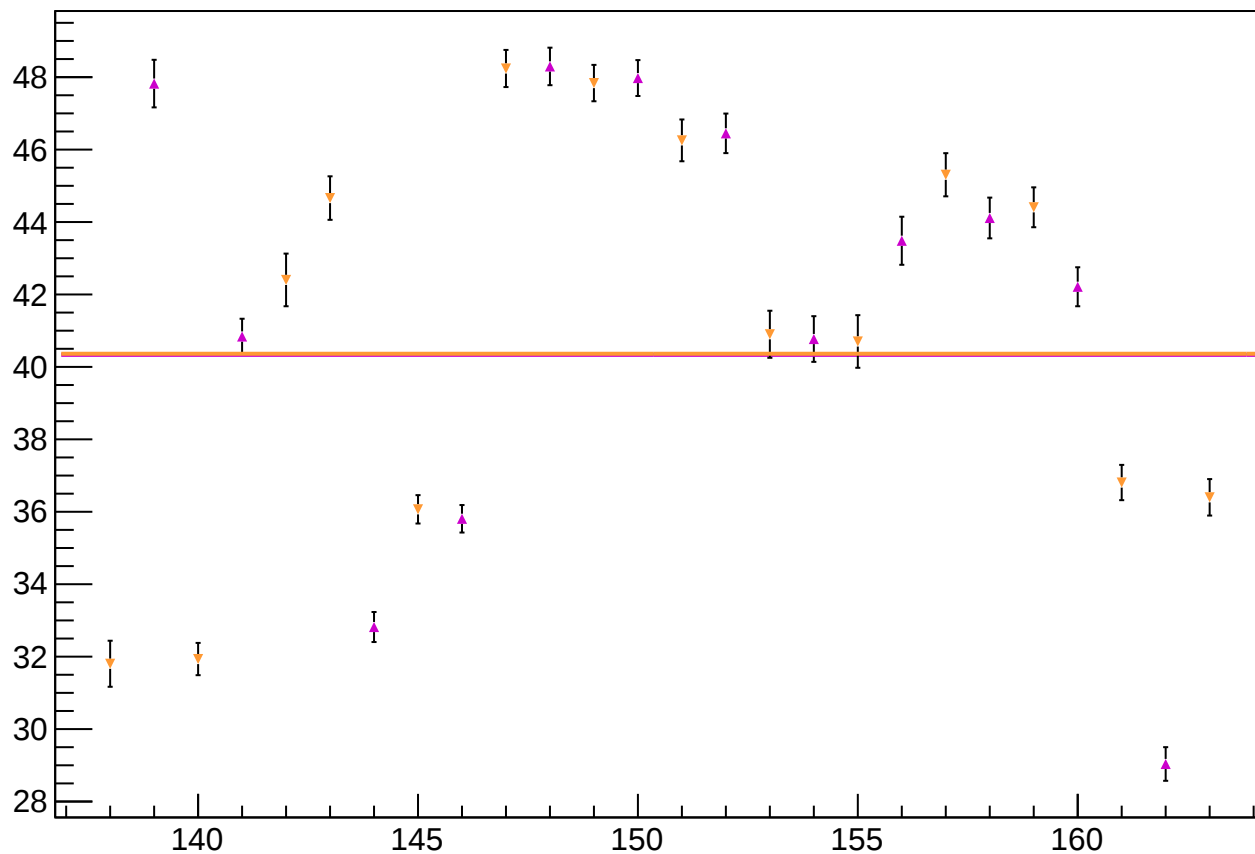
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.343 $\pm$ 0.101 χ^2 /NDF:1171.3/13
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.502 $\pm$ 0.102 χ^2 /NDF:1012.0/11

Left: 4.421 $\pm$ 0.072 χ^2 /NDF: 2184.5/25
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 4.502 $\pm$ 0.102 χ^2 /NDF:1012.0/11
 Out: 4.343 $\pm$ 0.101 χ^2 /NDF:1171.3/13
 All: 4.421 $\pm$ 0.072 χ^2 /NDF: 2184.5/25

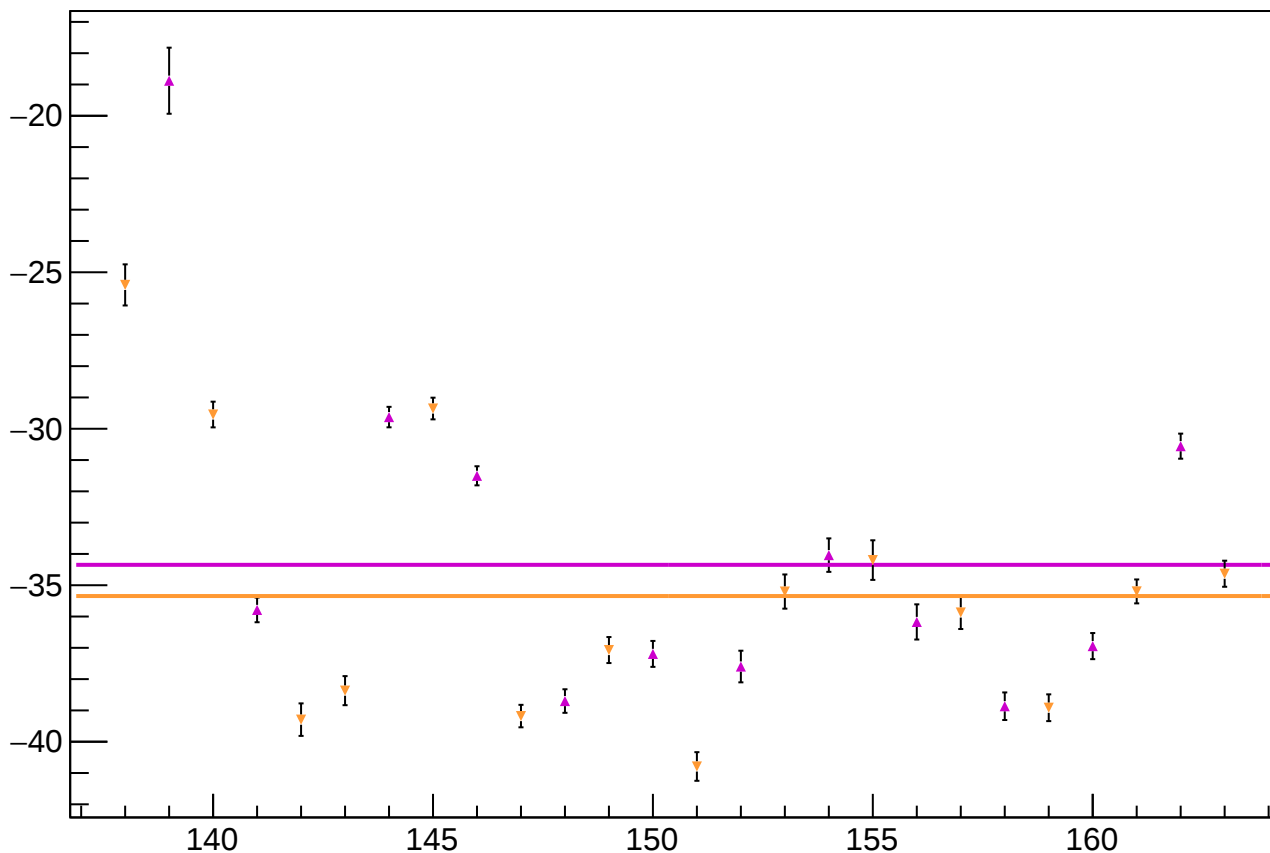
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 40.363+/-0.144 χ^2/NDF :1519.3/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 40.332+/-0.147 χ^2/NDF :1873.6/11

Left: 40.348+/-0.103 χ^2/NDF : 3392.9/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 40.332+/-0.147 χ^2/NDF :1873.6/11
 Out: 40.363+/-0.144 χ^2/NDF :1519.3/13
 All: 40.348+/-0.103 χ^2/NDF : 3392.9/25

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected

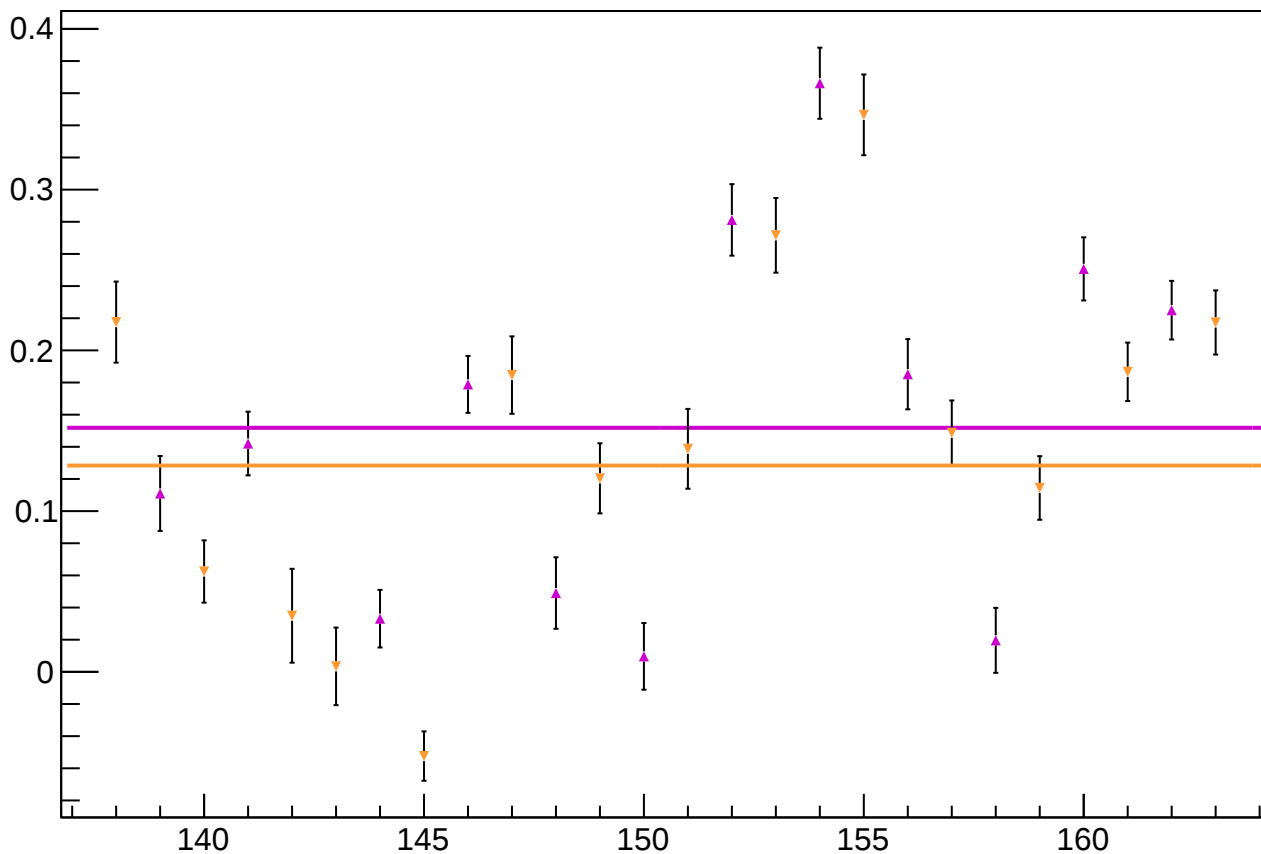


Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -35.345+/-0.119 χ^2/NDF : 1177.9/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -34.348+/-0.121 χ^2/NDF : 989.8/11

Left: -34.857+/-0.085 χ^2/NDF : 2202.2/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -34.348+/-0.121 χ^2/NDF : 989.8/11
 Out: -35.345+/-0.119 χ^2/NDF : 1177.9/13

All: -34.857+/-0.085 χ^2/NDF : 2202.2/25

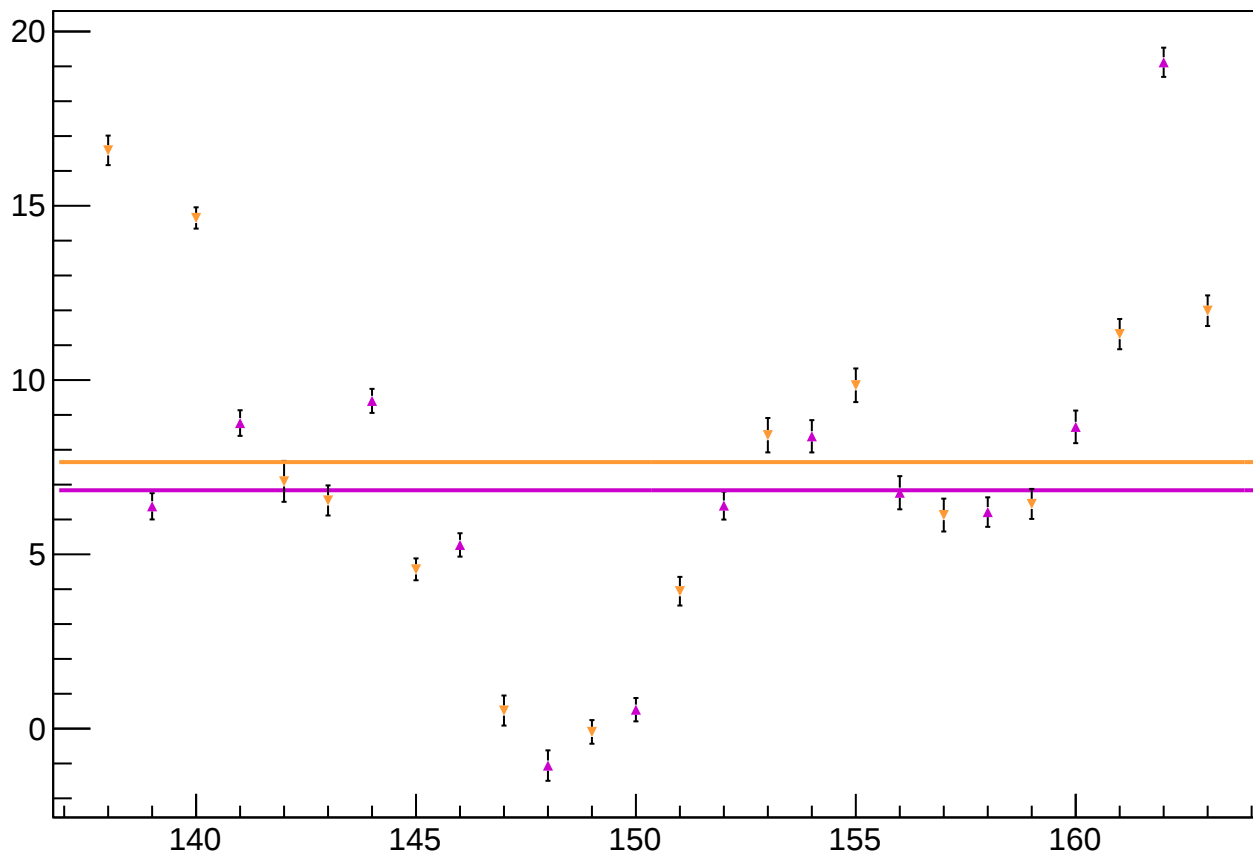
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.128 $\pm$ 0.006 χ^2 /NDF:350.2/13
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.152 $\pm$ 0.006 χ^2 /NDF:332.3/11

Left: 0.140 $\pm$ 0.004 χ^2 /NDF: 690.7/25
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.152 $\pm$ 0.006 χ^2 /NDF:332.3/11
 Out: 0.128 $\pm$ 0.006 χ^2 /NDF:350.2/13
 All: 0.140 $\pm$ 0.004 χ^2 /NDF: 690.7/25

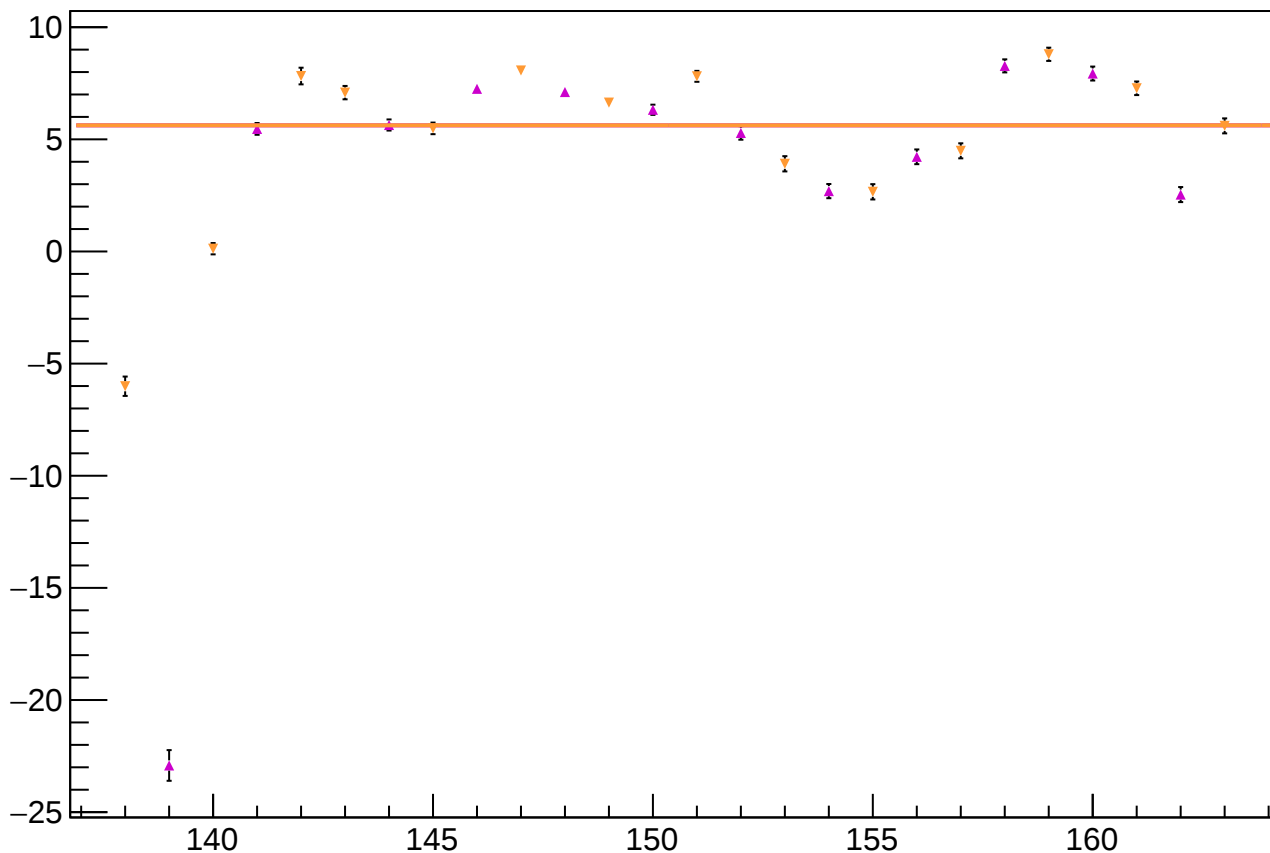
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 7.646+/-0.109 χ^2/NDF :2161.8/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 6.838+/-0.114 χ^2/NDF :1673.3/11

Left: 7.258+/-0.079 χ^2/NDF : 3861.2/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 6.838+/-0.114 χ^2/NDF :1673.3/11
 Out: 7.646+/-0.109 χ^2/NDF :2161.8/13
 All: 7.258+/-0.079 χ^2/NDF : 3861.2/25

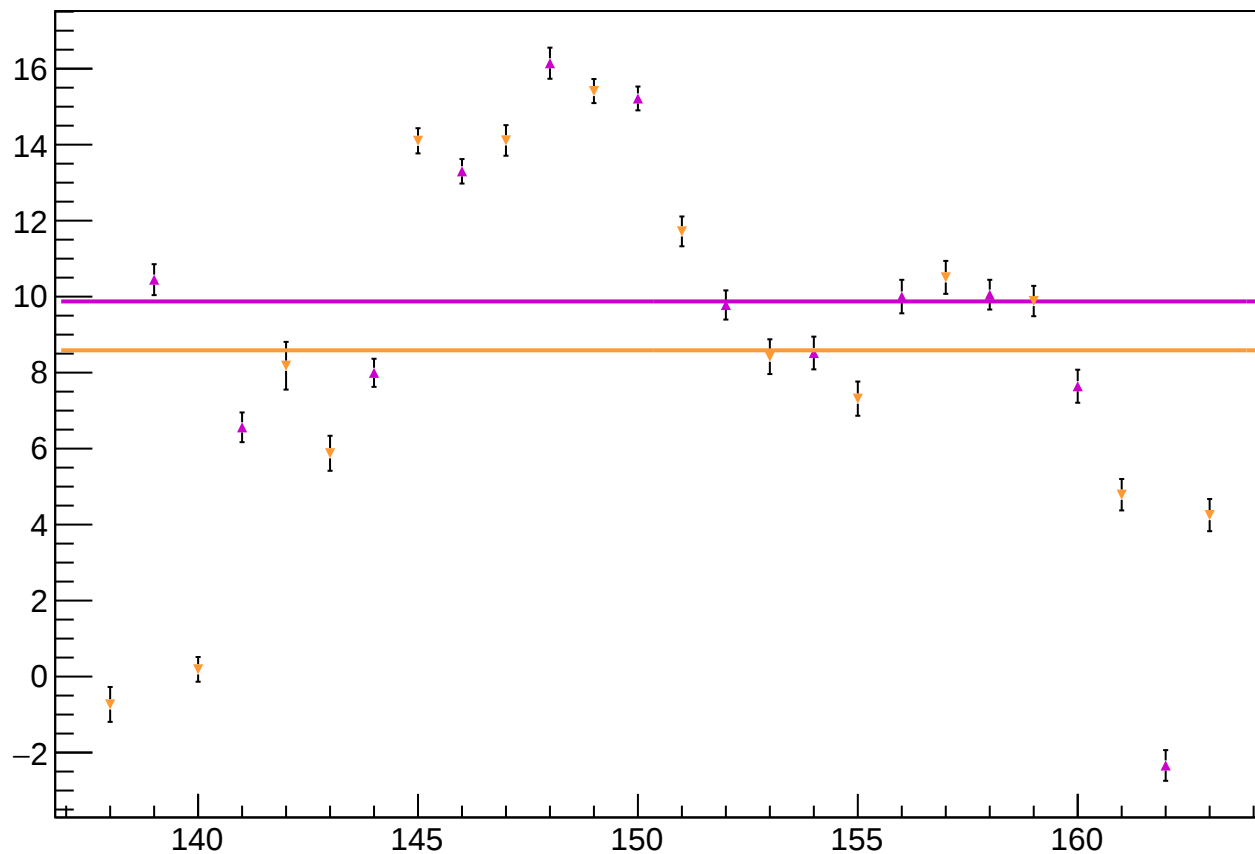
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.625 $\pm$ 0.076 χ^2 /NDF:1757.5/13
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 5.623 $\pm$ 0.080 χ^2 /NDF:2182.6/11

Left: 5.624 $\pm$ 0.055 χ^2 /NDF: 3940.1/25
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 5.623 $\pm$ 0.080 χ^2 /NDF:2182.6/11
 Out: 5.625 $\pm$ 0.076 χ^2 /NDF:1757.5/13
 All: 5.624 $\pm$ 0.055 χ^2 /NDF: 3940.1/25

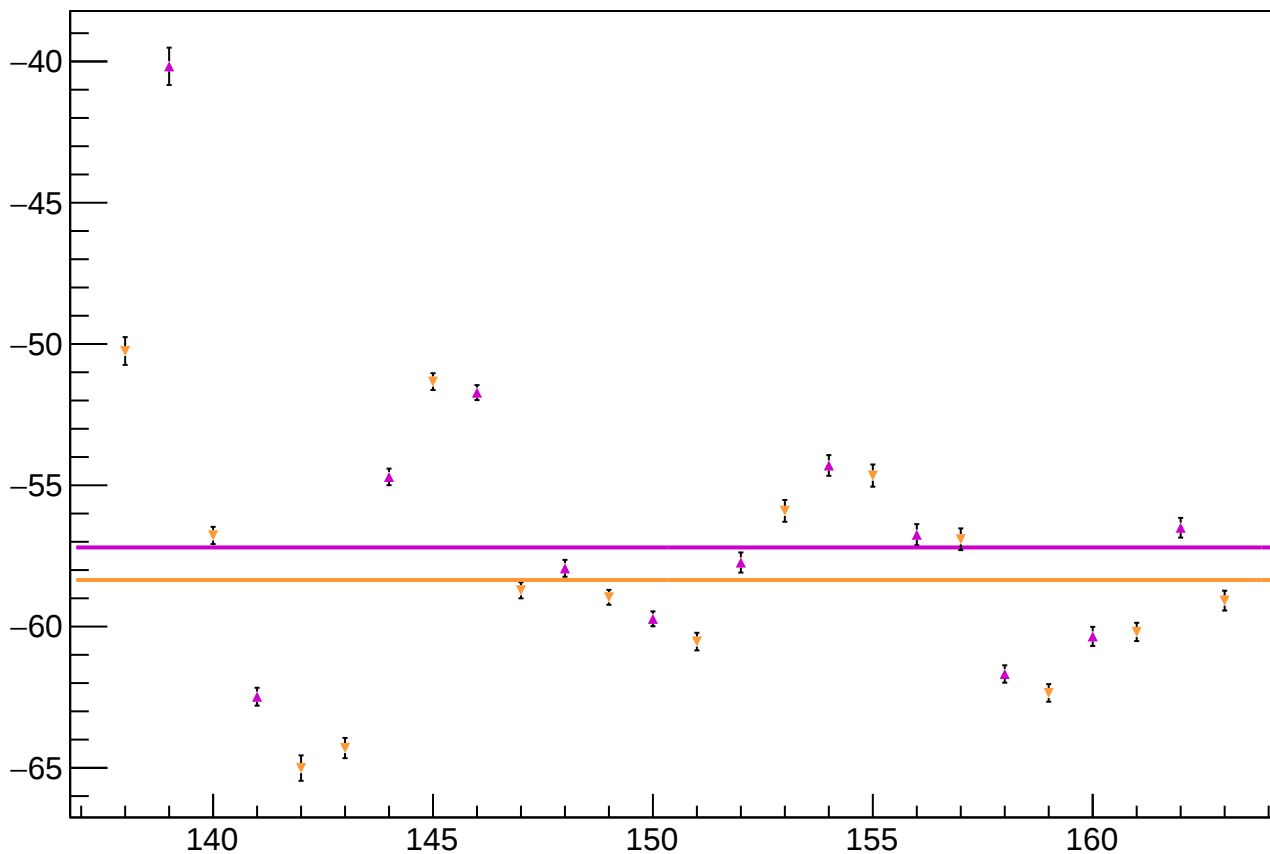
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.587+/-0.108 χ^2/NDF :2331.8/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 9.874+/-0.111 χ^2/NDF :1689.4/11

Left: 9.212+/-0.077 χ^2/NDF : 4090.3/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 9.874+/-0.111 χ^2/NDF :1689.4/11
 Out: 8.587+/-0.108 χ^2/NDF :2331.8/13
 All: 9.212+/-0.077 χ^2/NDF : 4090.3/25

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



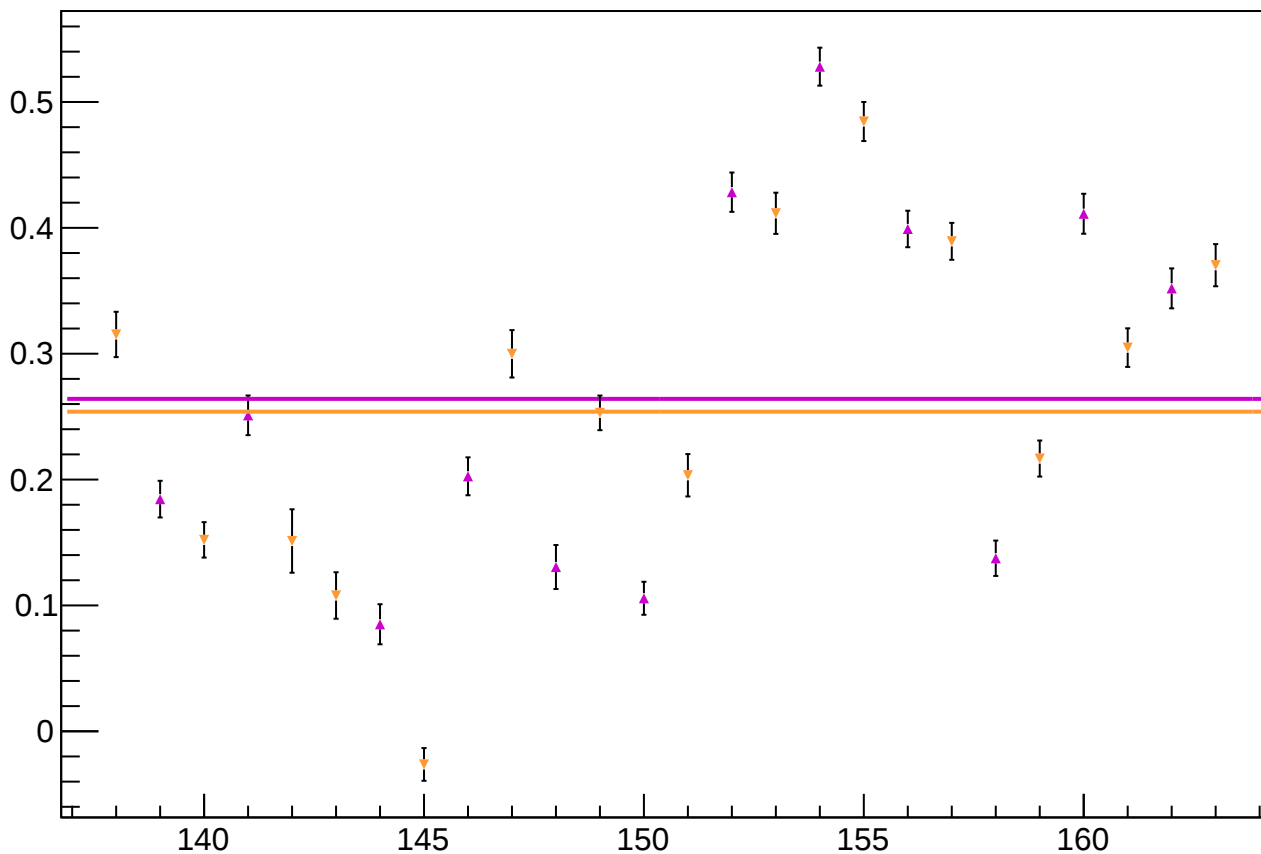
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -58.351+/-0.090 χ^2/NDF :1753.2/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -57.200+/-0.094 χ^2/NDF :1915.2/11

Left: -57.800+/-0.065 χ^2/NDF : 3747.2/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -57.200+/-0.094 χ^2/NDF :1915.2/11
 Out: -58.351+/-0.090 χ^2/NDF :1753.2/13

All: -57.800+/-0.065 χ^2/NDF : 3747.2/25

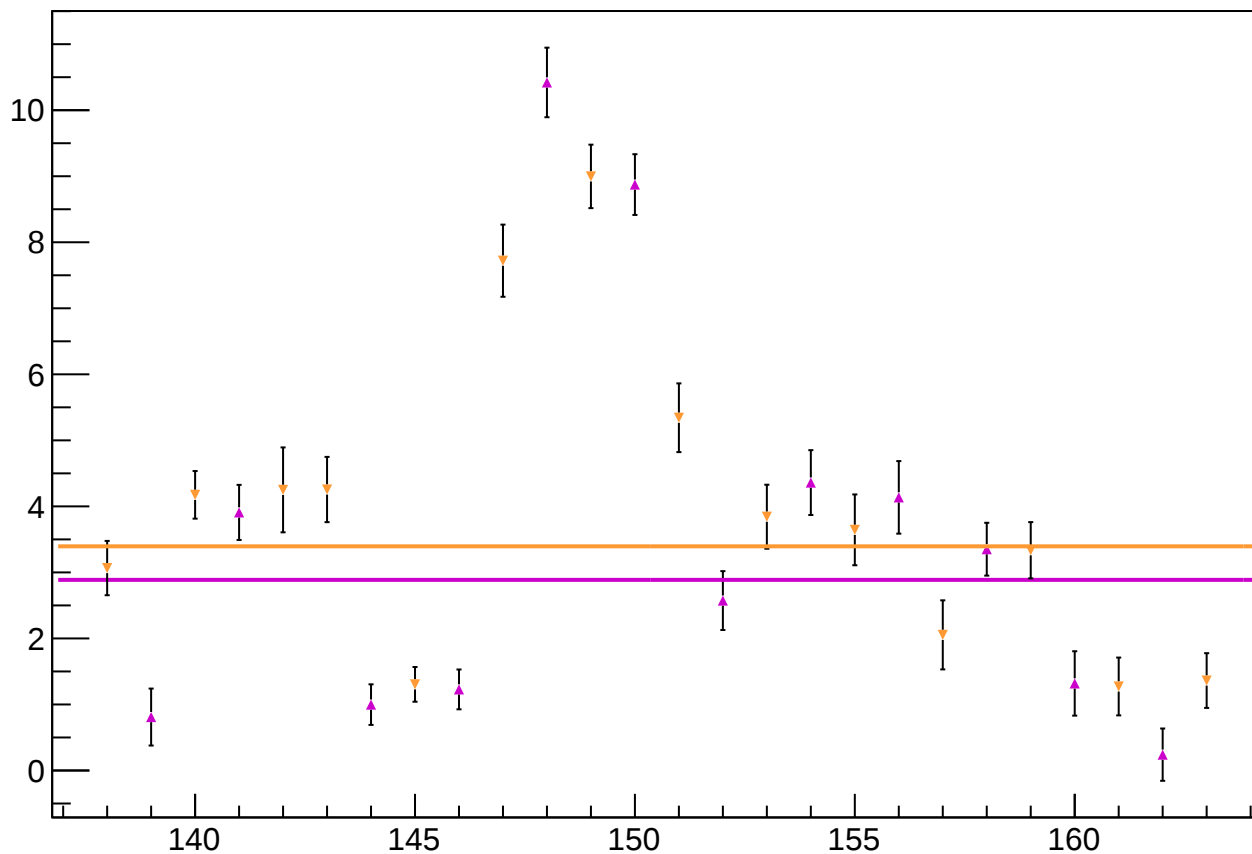
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.254+/-0.004 χ^2/NDF :1086.7/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.264+/-0.004 χ^2/NDF :1079.3/11

Left: 0.259+/-0.003 χ^2/NDF : 2168.8/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 0.264+/-0.004 χ^2/NDF :1079.3/11
 Out: 0.254+/-0.004 χ^2/NDF :1086.7/13
 All: 0.259+/-0.003 χ^2/NDF : 2168.8/25

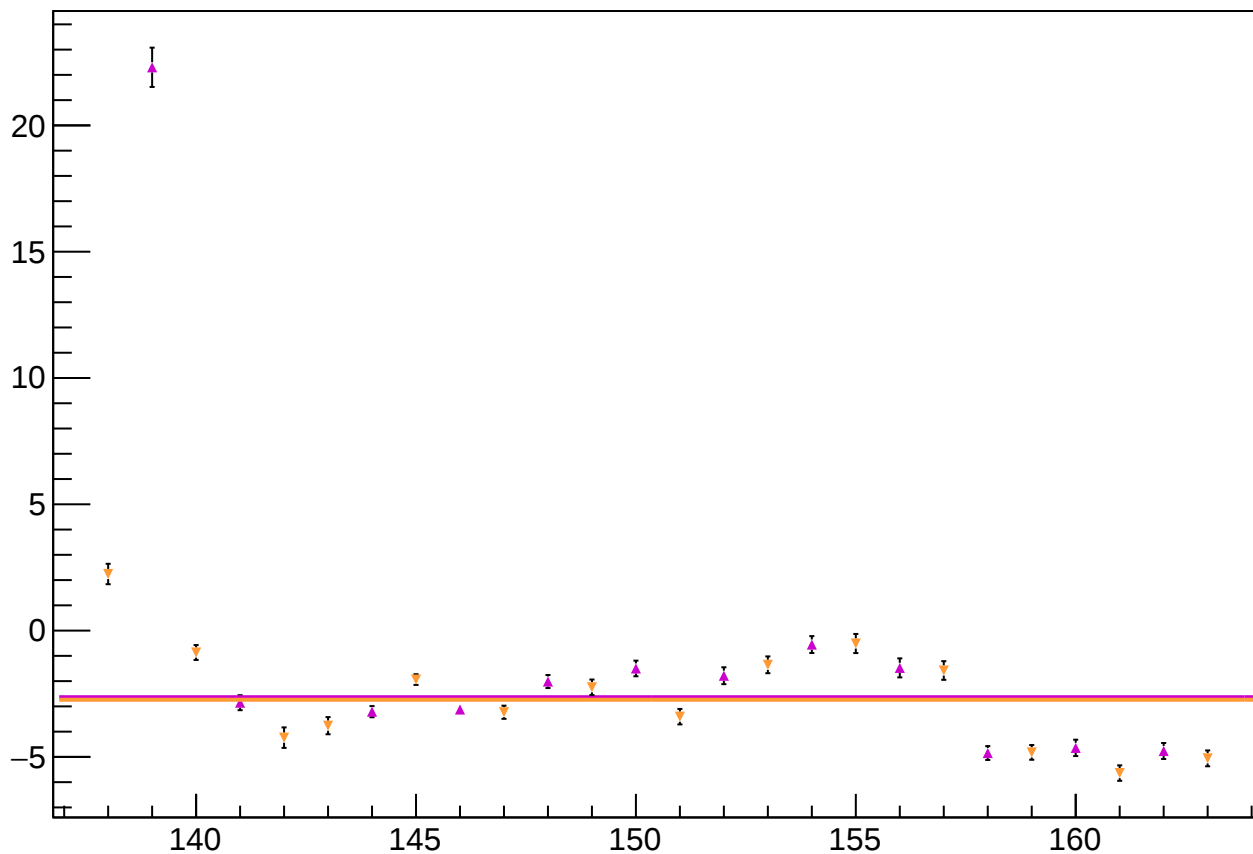
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.395 $\pm$ 0.116 χ^2 /NDF:341.1/13
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 2.887 $\pm$ 0.119 χ^2 /NDF:542.4/11

Left: 3.147 $\pm$ 0.083 χ^2 /NDF: 892.8/25
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 2.887 $\pm$ 0.119 χ^2 /NDF:542.4/11
 Out: 3.395 $\pm$ 0.116 χ^2 /NDF:341.1/13
 All: 3.147 $\pm$ 0.083 χ^2 /NDF: 892.8/25

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected

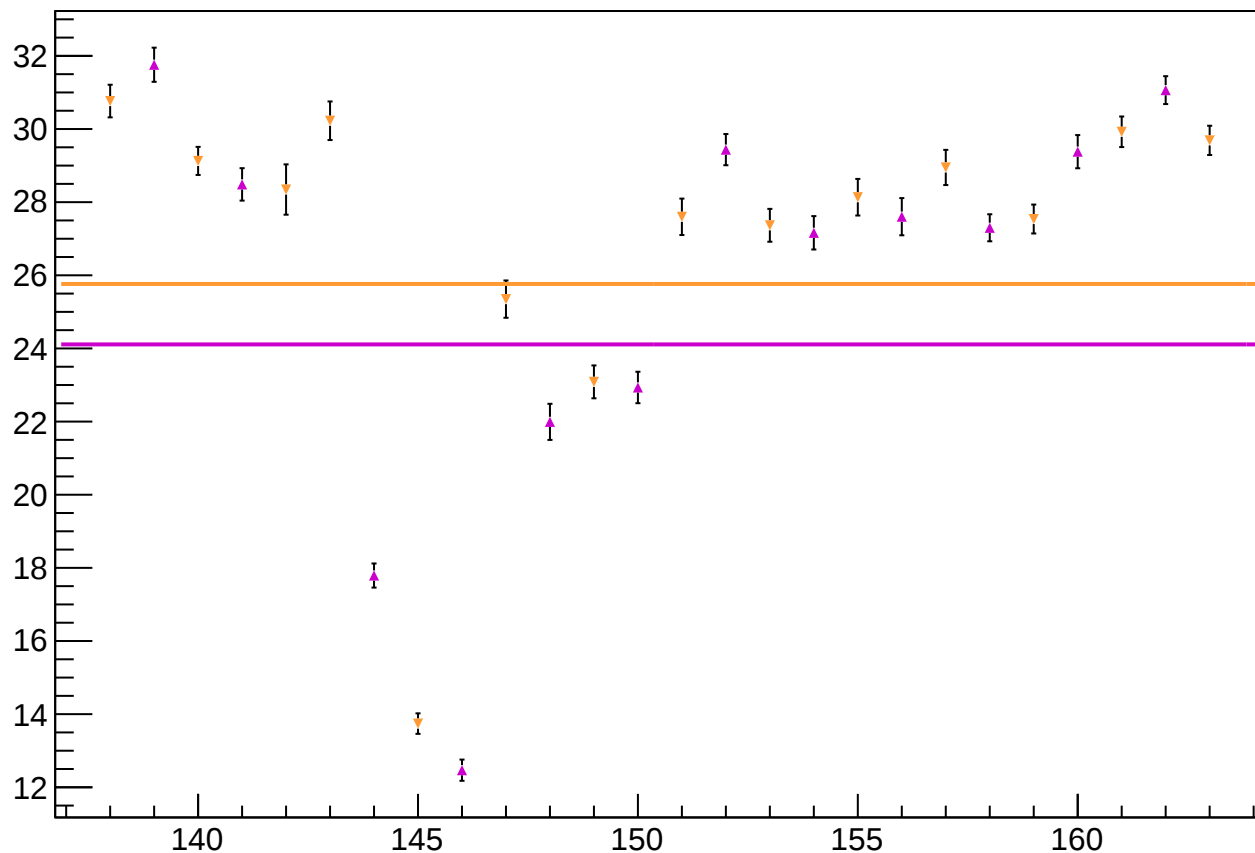


Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.737+/-0.083 χ^2/NDF :497.5/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.637+/-0.083 χ^2/NDF :1266.0/11

Left: -2.688+/-0.059 χ^2/NDF : 1764.2/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -2.637+/-0.083 χ^2/NDF :1266.0/11
 Out: -2.737+/-0.083 χ^2/NDF :497.5/13

All: -2.688+/-0.059 χ^2/NDF : 1764.2/25

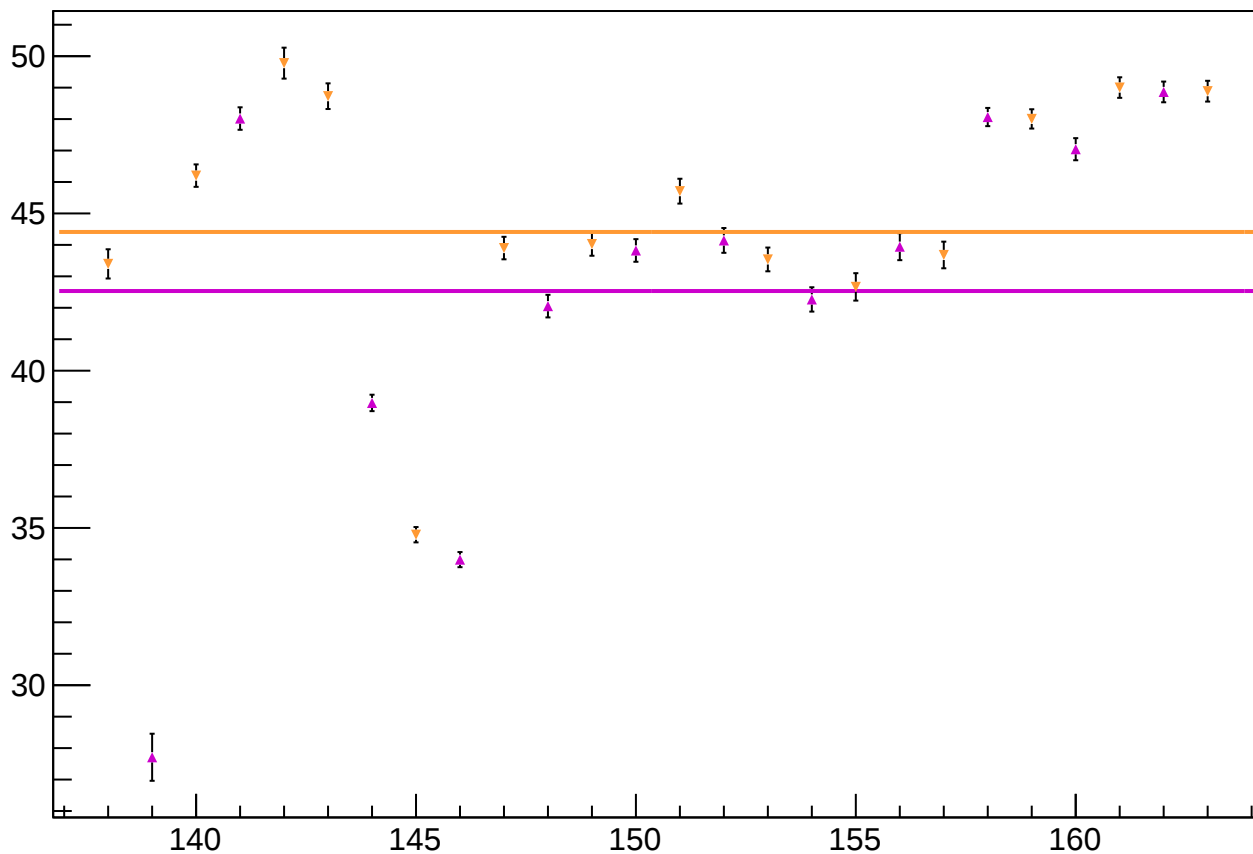
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 25.763+/-0.116 χ^2/NDF :2471.5/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 24.110+/-0.117 χ^2/NDF :3160.5/11

Left: 24.944+/-0.082 χ^2/NDF : 5733.2/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 24.110+/-0.117 χ^2/NDF :3160.5/11
 Out: 25.763+/-0.116 χ^2/NDF :2471.5/13
 All: 24.944+/-0.082 χ^2/NDF : 5733.2/25

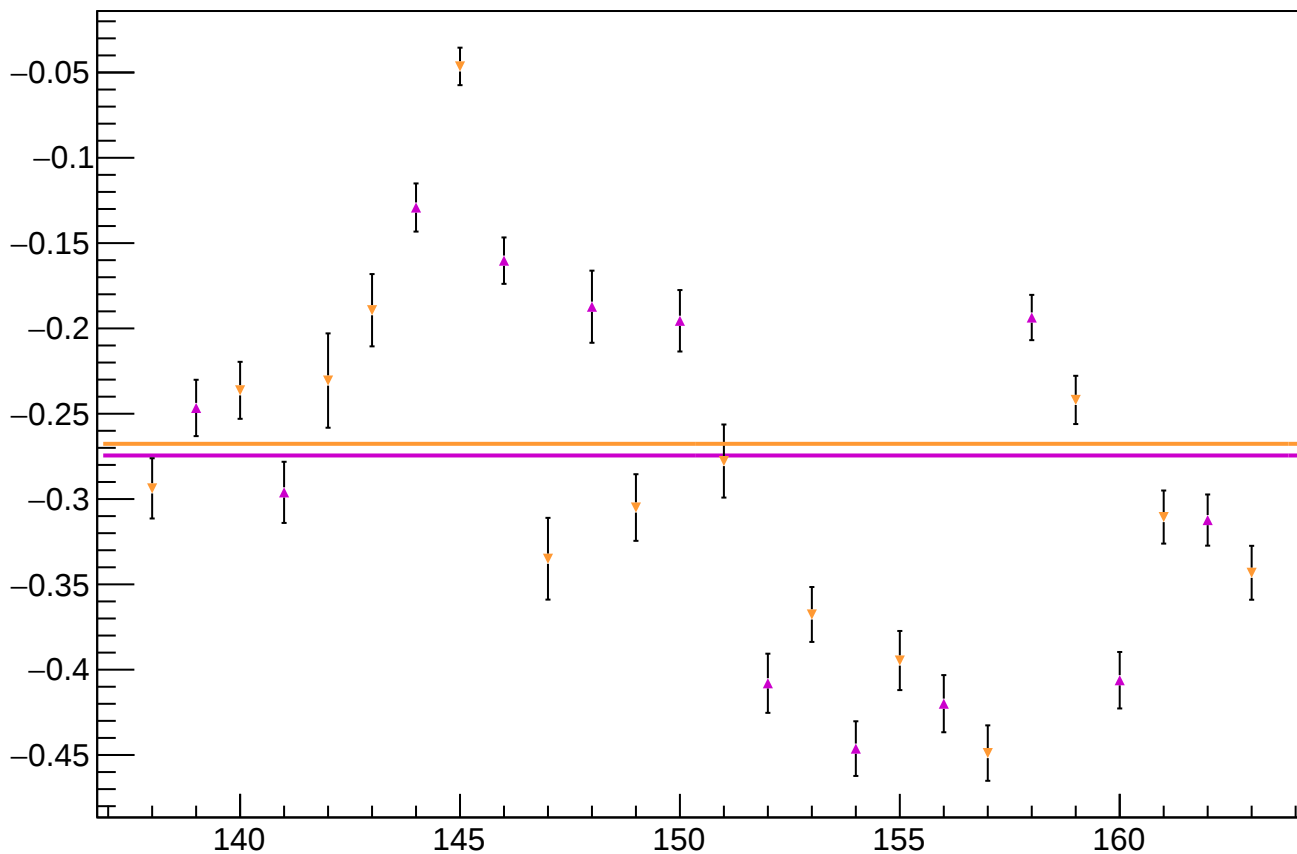
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 44.411+/-0.096 χ^2/NDF :2374.2/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 42.533+/-0.098 χ^2/NDF :3015.8/11

Left: 43.486+/-0.069 χ^2/NDF : 5577.6/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 42.533+/-0.098 χ^2/NDF :3015.8/11
 Out: 44.411+/-0.096 χ^2/NDF :2374.2/13
 All: 43.486+/-0.069 χ^2/NDF : 5577.6/25

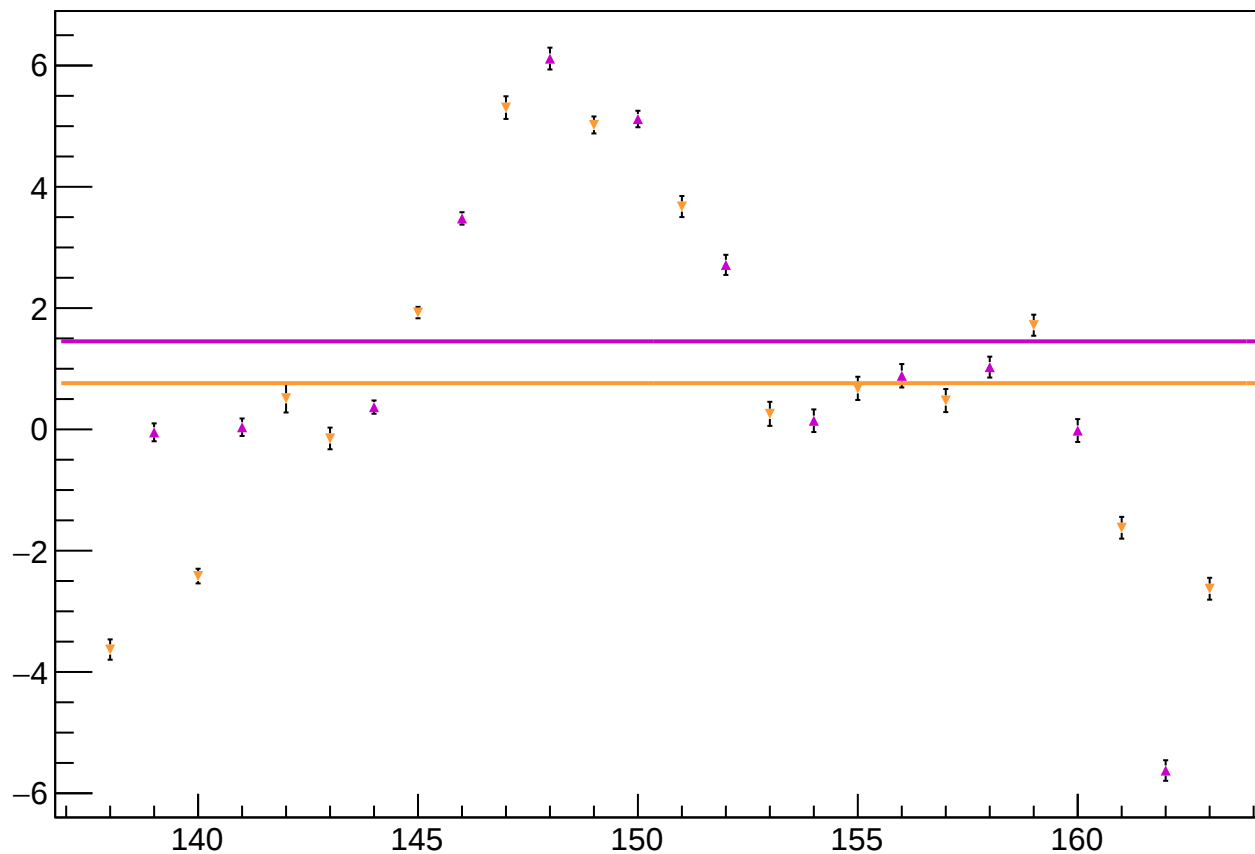
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.268+/-0.005 χ^2/NDF : 689.1/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.274+/-0.005 χ^2/NDF : 573.7/11

Left: -0.271+/-0.003 χ^2/NDF : 1263.9/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.274+/-0.005 χ^2/NDF : 573.7/11
 Out: -0.268+/-0.005 χ^2/NDF : 689.1/13
 All: -0.271+/-0.003 χ^2/NDF : 1263.9/25

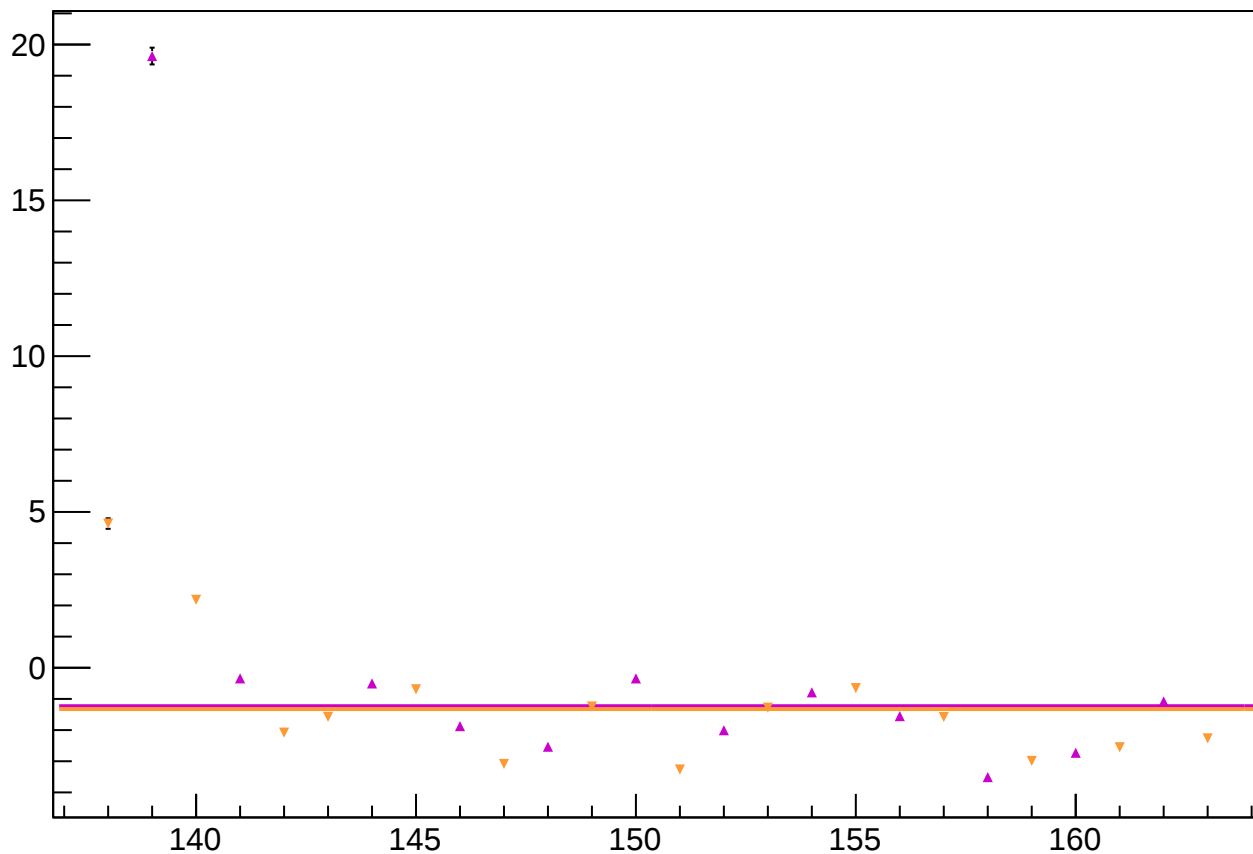
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.762+/-0.042 χ^2/NDF :3925.8/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 1.452+/-0.043 χ^2/NDF :4012.9/11

Left: 1.105+/-0.030 χ^2/NDF : 8069.5/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 1.452+/-0.043 χ^2/NDF :4012.9/11
 Out: 0.762+/-0.042 χ^2/NDF :3925.8/13
 All: 1.105+/-0.030 χ^2/NDF : 8069.5/25

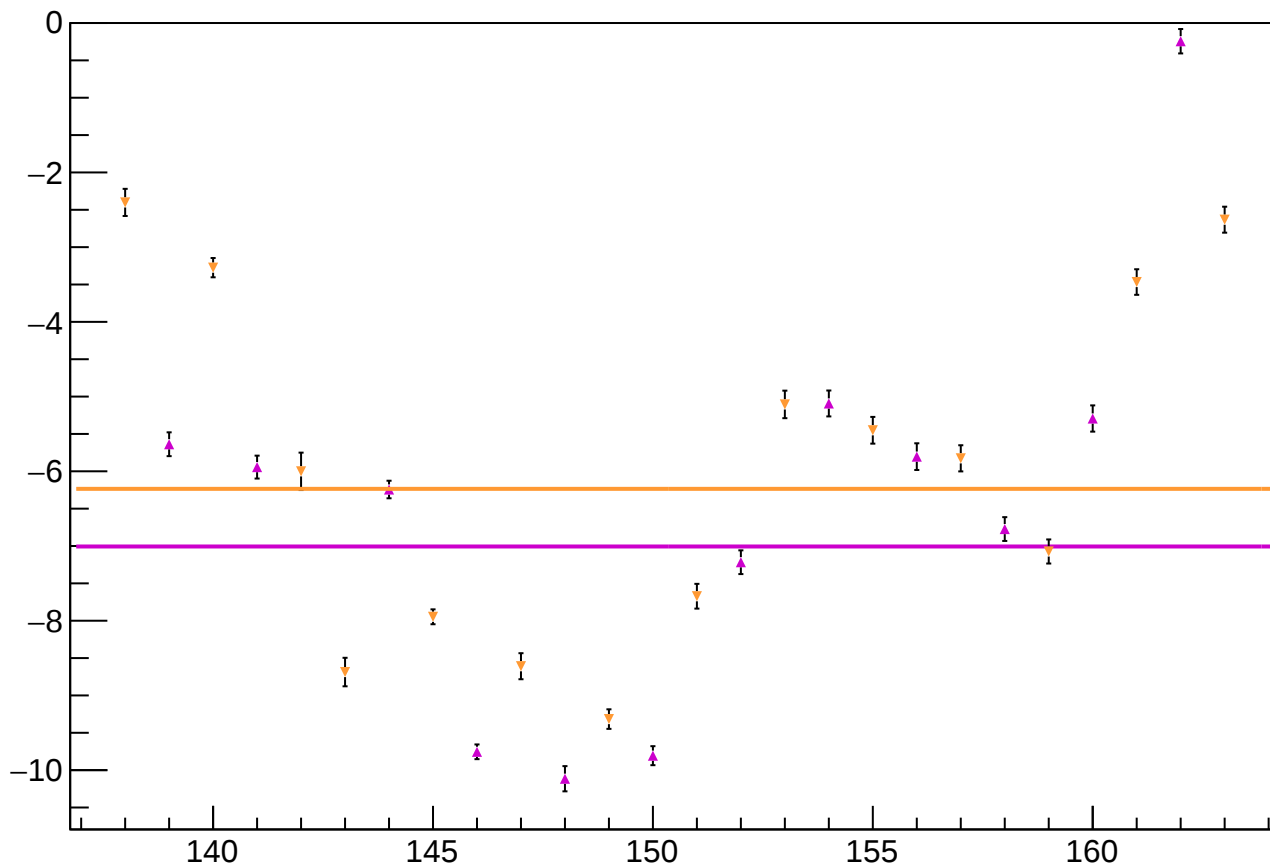
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.325+/-0.030 χ^2/NDF : 3674.3/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.234+/-0.030 χ^2/NDF : 7144.6/11

Left: -1.280+/-0.021 χ^2/NDF : 10823.5/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -1.234+/-0.030 χ^2/NDF : 7144.6/11
 Out: -1.325+/-0.030 χ^2/NDF : 3674.3/13
 All: -1.280+/-0.021 χ^2/NDF : 10823.5/25

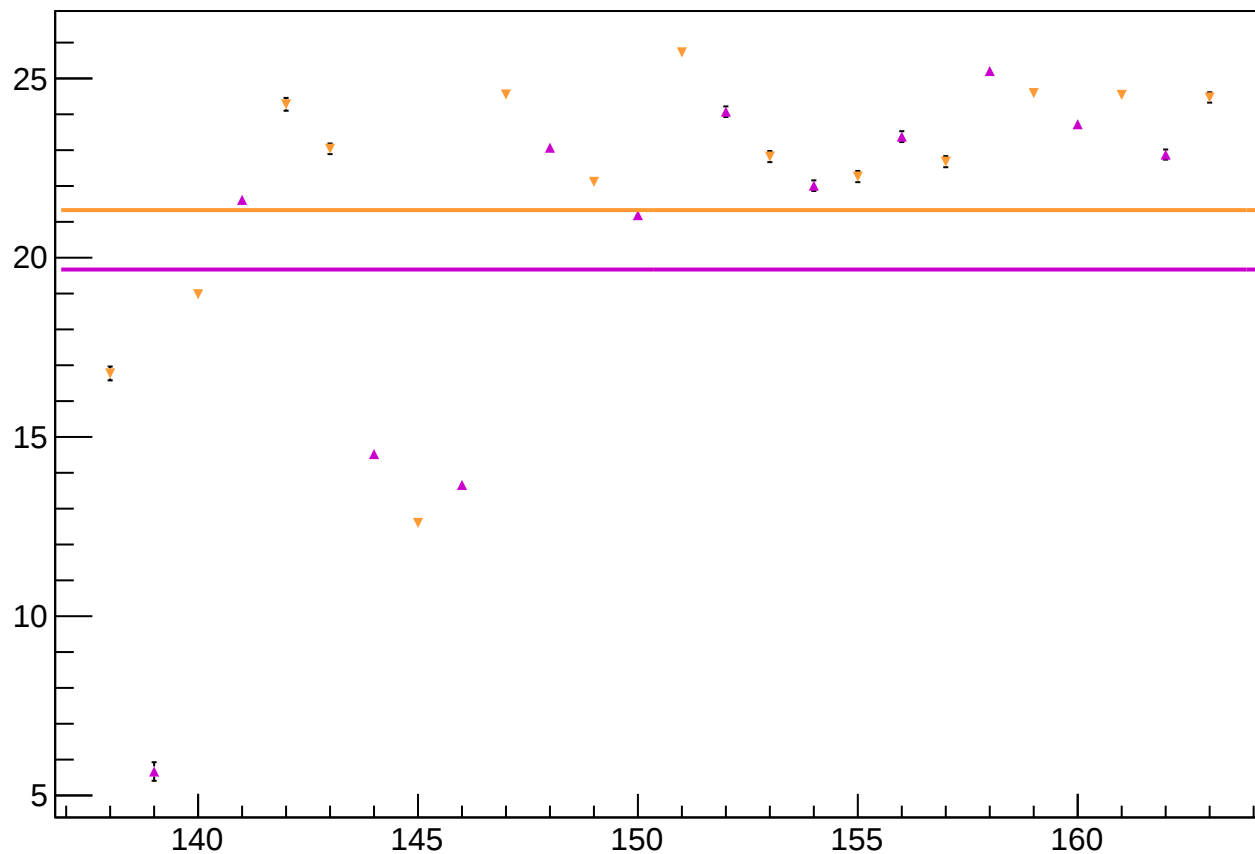
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -6.235+/-0.042 χ^2/NDF :3028.7/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -7.006+/-0.042 χ^2/NDF :3748.6/11

Left: -6.623+/-0.030 χ^2/NDF : 6945.3/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -7.006+/-0.042 χ^2/NDF :3748.6/11
 Out: -6.235+/-0.042 χ^2/NDF :3028.7/13
 All: -6.623+/-0.030 χ^2/NDF : 6945.3/25

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: 21.328 $\pm$ 0.035 χ^2/NDF :14909.5/13

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left In: 19.670 $\pm$ 0.035 χ^2/NDF :17623.9/11

Left: 20.499 $\pm$ 0.025 χ^2/NDF : 33634.2/25

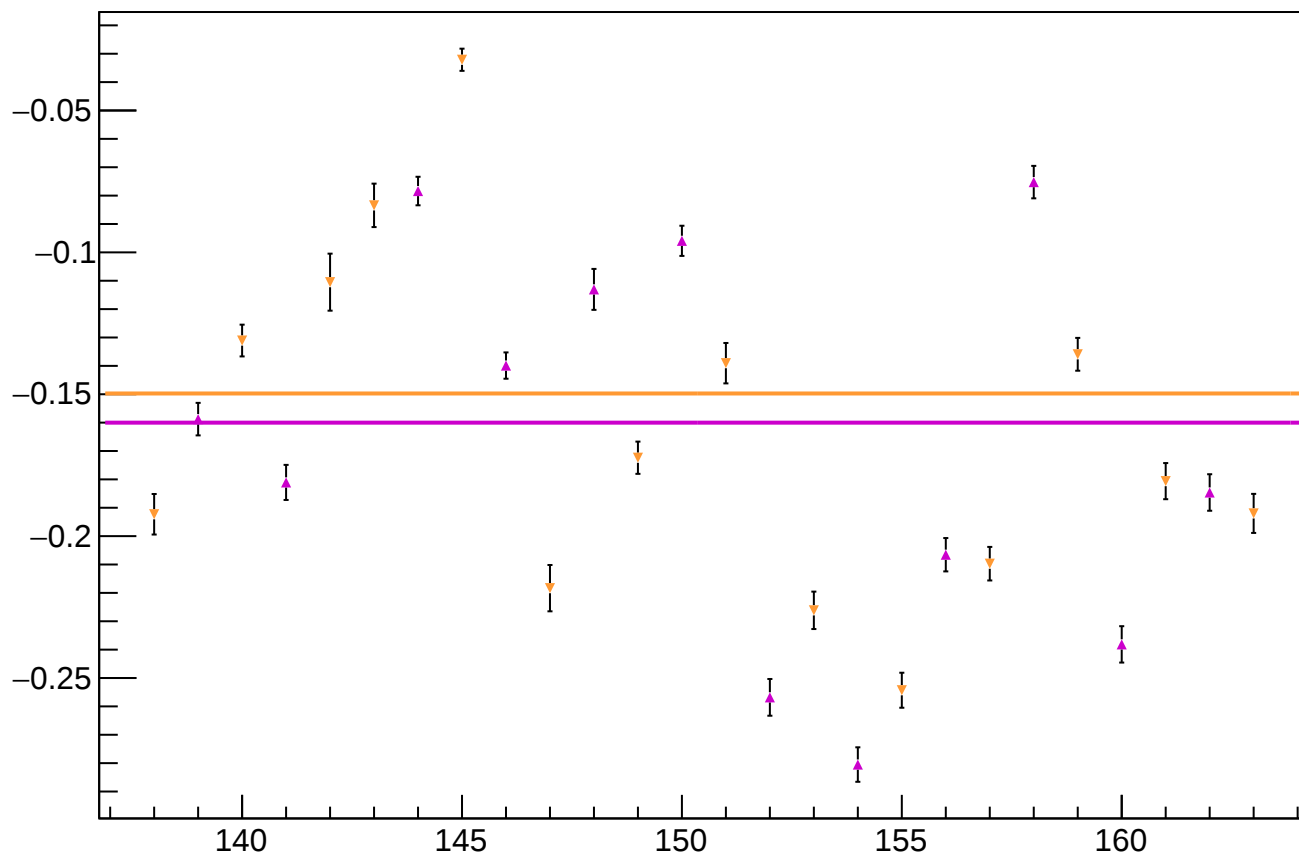
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 19.670 $\pm$ 0.035 χ^2/NDF :17623.9/11

Out: 21.328 $\pm$ 0.035 χ^2/NDF :14909.5/13

All: 20.499 $\pm$ 0.025 χ^2/NDF : 33634.2/25

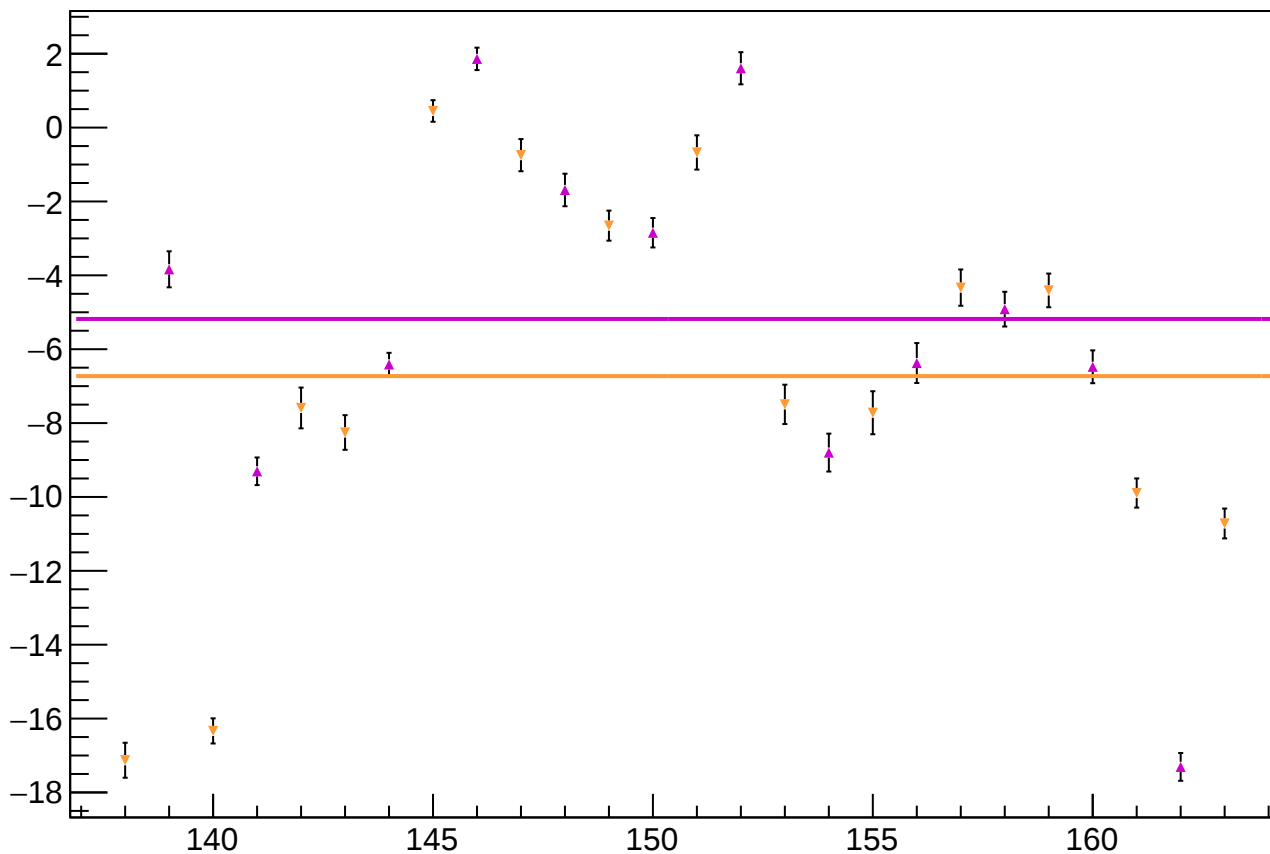
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.150+/-0.002 χ^2/NDF :1723.0/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.160+/-0.002 χ^2/NDF :1544.0/11

Left: -0.155+/-0.001 χ^2/NDF : 3286.0/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.160+/-0.002 χ^2/NDF :1544.0/11
 Out: -0.150+/-0.002 χ^2/NDF :1723.0/13
 All: -0.155+/-0.001 χ^2/NDF : 3286.0/25

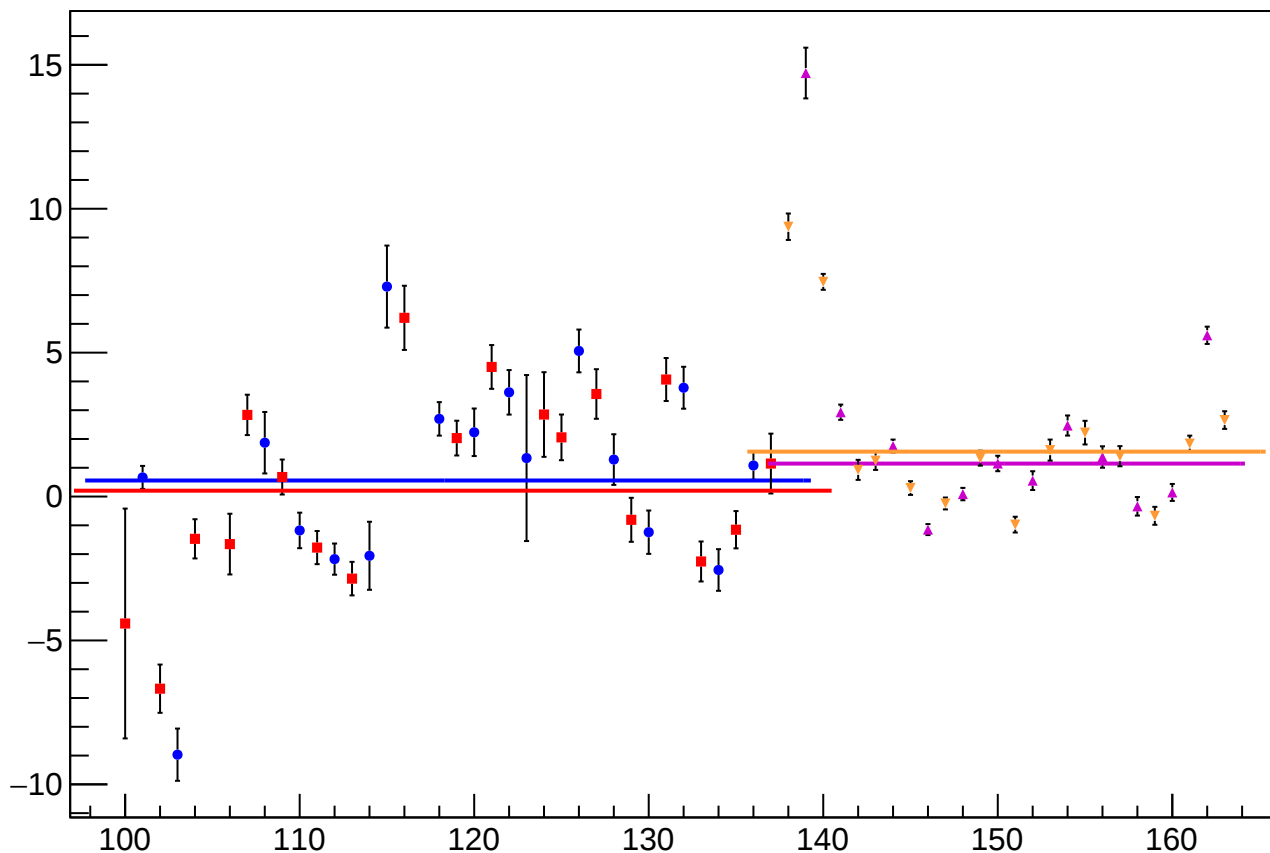
reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -6.728+/-0.114 χ^2/NDF :2573.6/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -5.181+/-0.117 χ^2/NDF :2124.6/11

Left: -5.973+/-0.082 χ^2/NDF : 4787.7/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -5.181+/-0.117 χ^2/NDF :2124.6/11
 Out: -6.728+/-0.114 χ^2/NDF :2573.6/13
 All: -5.973+/-0.082 χ^2/NDF : 4787.7/25

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: 1.561 ± 0.079 χ^2/NDF : 1007.7/13

Right Out: 0.204 ± 0.175 χ^2/NDF : 272.1/18

Left In: 1.145 ± 0.080 χ^2/NDF : 729.7/11

Left: 1.356 ± 0.056 χ^2/NDF : 1751.0/25

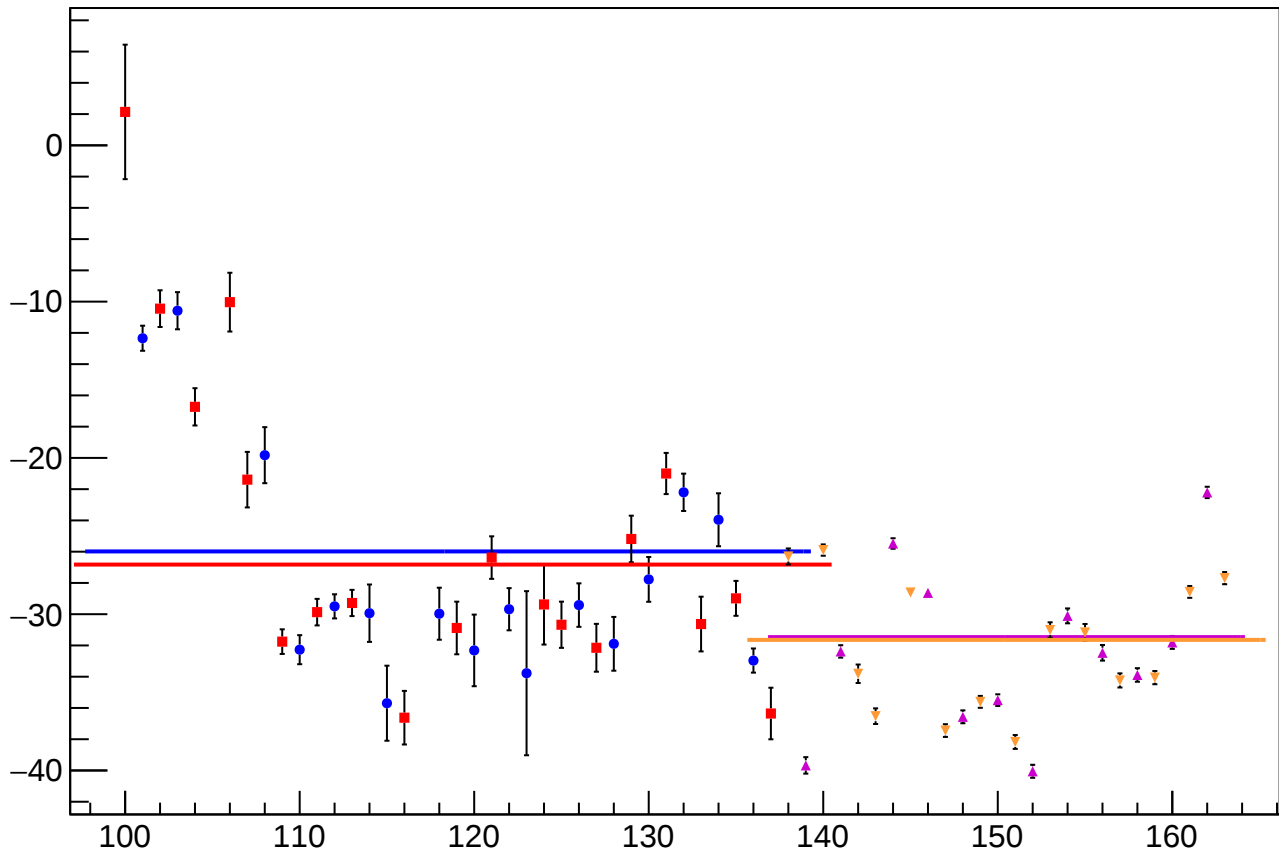
Right: 0.386 ± 0.122 χ^2/NDF : 562.1/35

In: 1.038 ± 0.073 χ^2/NDF : 1027.3/28

Out: 1.330 ± 0.072 χ^2/NDF : 1329.9/32

All: 1.186 ± 0.051 χ^2/NDF : 2365.4/61

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: -31.644 ± 0.113 χ^2/NDF : 1330.5/13

Right Out: -26.825 ± 0.298 χ^2/NDF : 581.6/18

Left In: -31.466 ± 0.114 χ^2/NDF : 2050.4/11

Left: -31.556 ± 0.080 χ^2/NDF : 3382.1/25

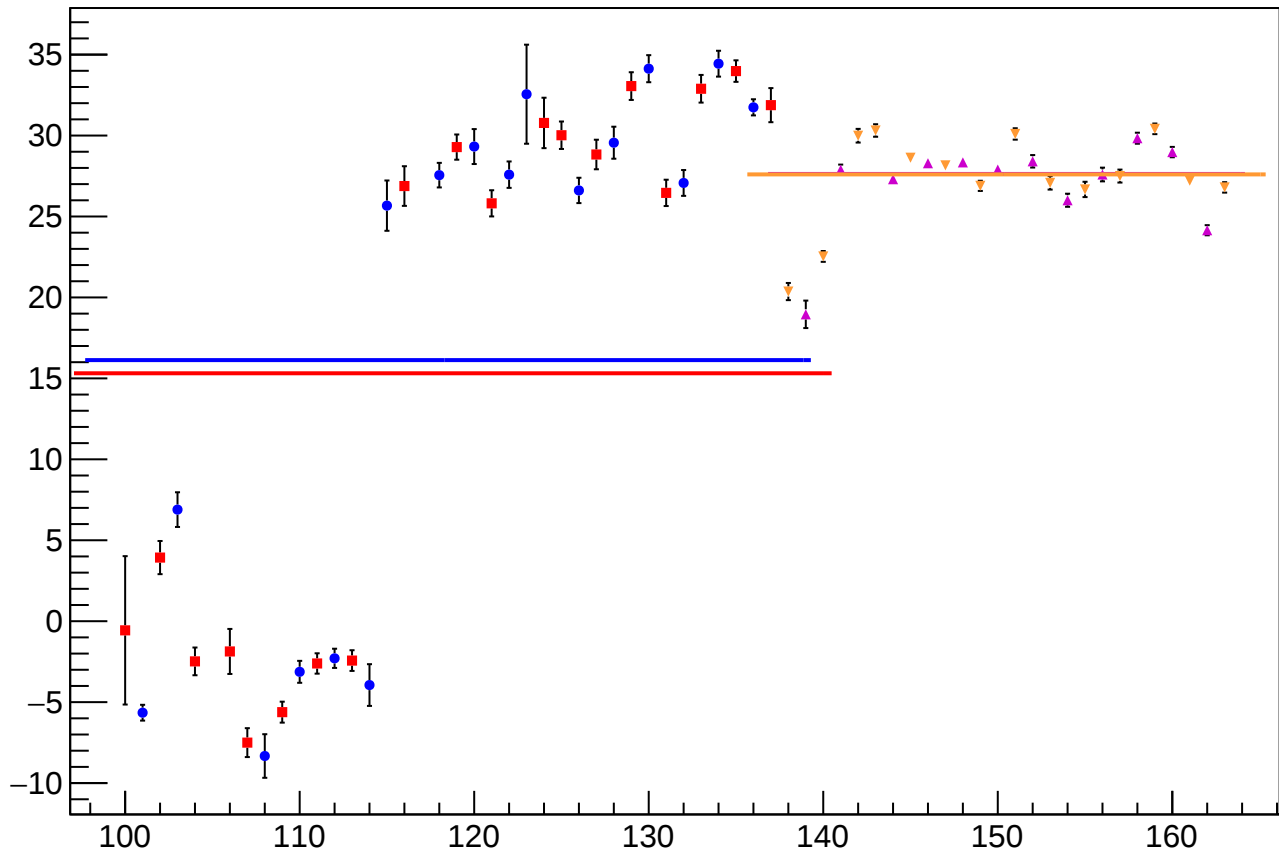
Right: -26.408 ± 0.211 χ^2/NDF : 1277.0/35

In: -30.773 ± 0.107 χ^2/NDF : 3032.7/28

Out: -31.037 ± 0.106 χ^2/NDF : 2141.2/32

All: -30.906 ± 0.075 χ^2/NDF : 5177.0/61

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 16.129 $\pm$ 0.192 χ^2 /NDF: 7572.5/16

Left Out: 27.600 $\pm$ 0.093 χ^2 /NDF:657.6/13

Right Out: 15.315 $\pm$ 0.197 χ^2 /NDF: 7278.1/18

Left In: 27.628 $\pm$ 0.095 χ^2 /NDF:324.5/11

Left: 27.614 $\pm$ 0.066 χ^2 /NDF: 982.1/25

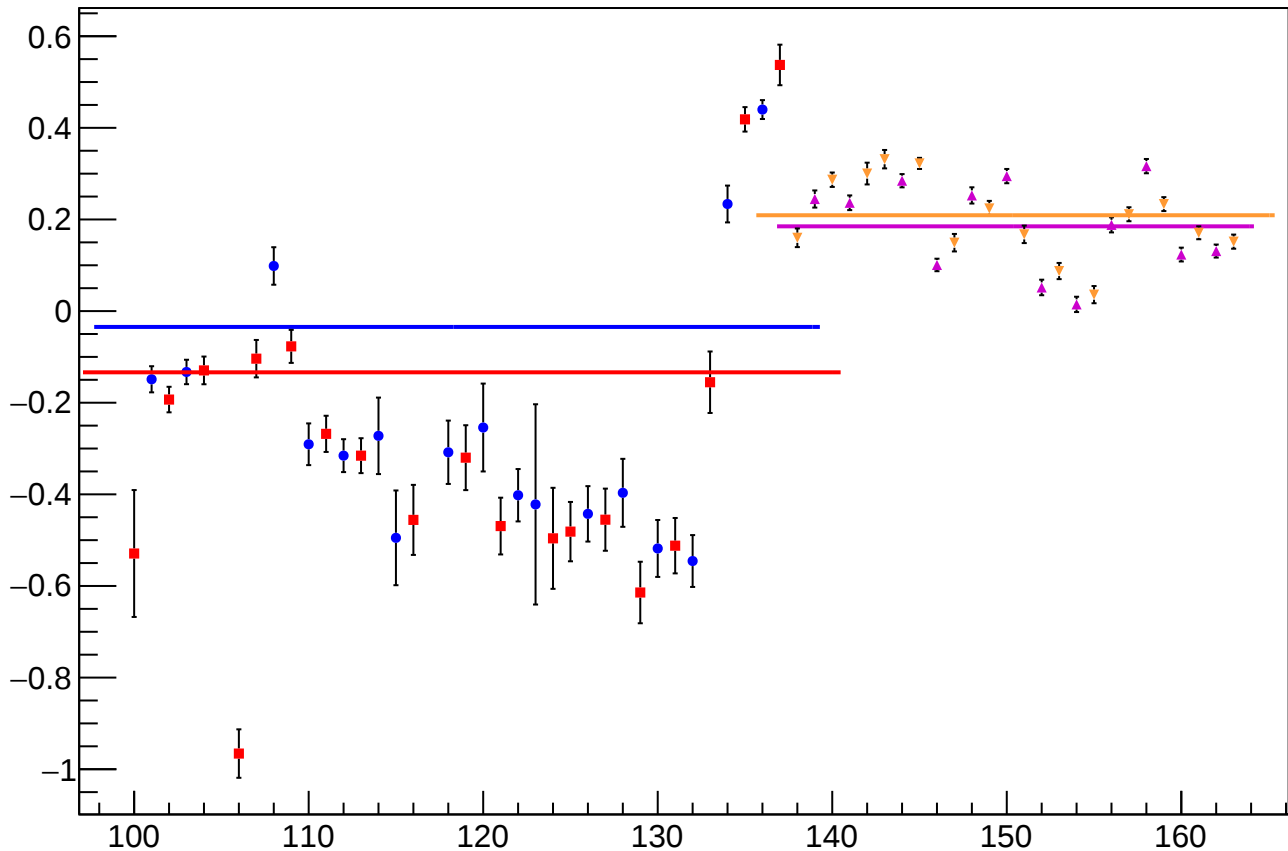
Right: 15.732 $\pm$ 0.138 χ^2 /NDF: 14859.4/35

In: 25.376 $\pm$ 0.085 χ^2 /NDF:10779.8/28

Out: 25.356 $\pm$ 0.084 χ^2 /NDF:11113.7/32

All: 25.366 $\pm$ 0.060 χ^2 /NDF: 21893.5/61

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: 0.209 ± 0.004 χ^2/NDF : 340.8/13

Right Out: -0.134 ± 0.010 χ^2/NDF : 1161.9/18

Left In: 0.185 ± 0.005 χ^2/NDF : 437.4/11

Left: 0.197 ± 0.003 χ^2/NDF : 792.7/25

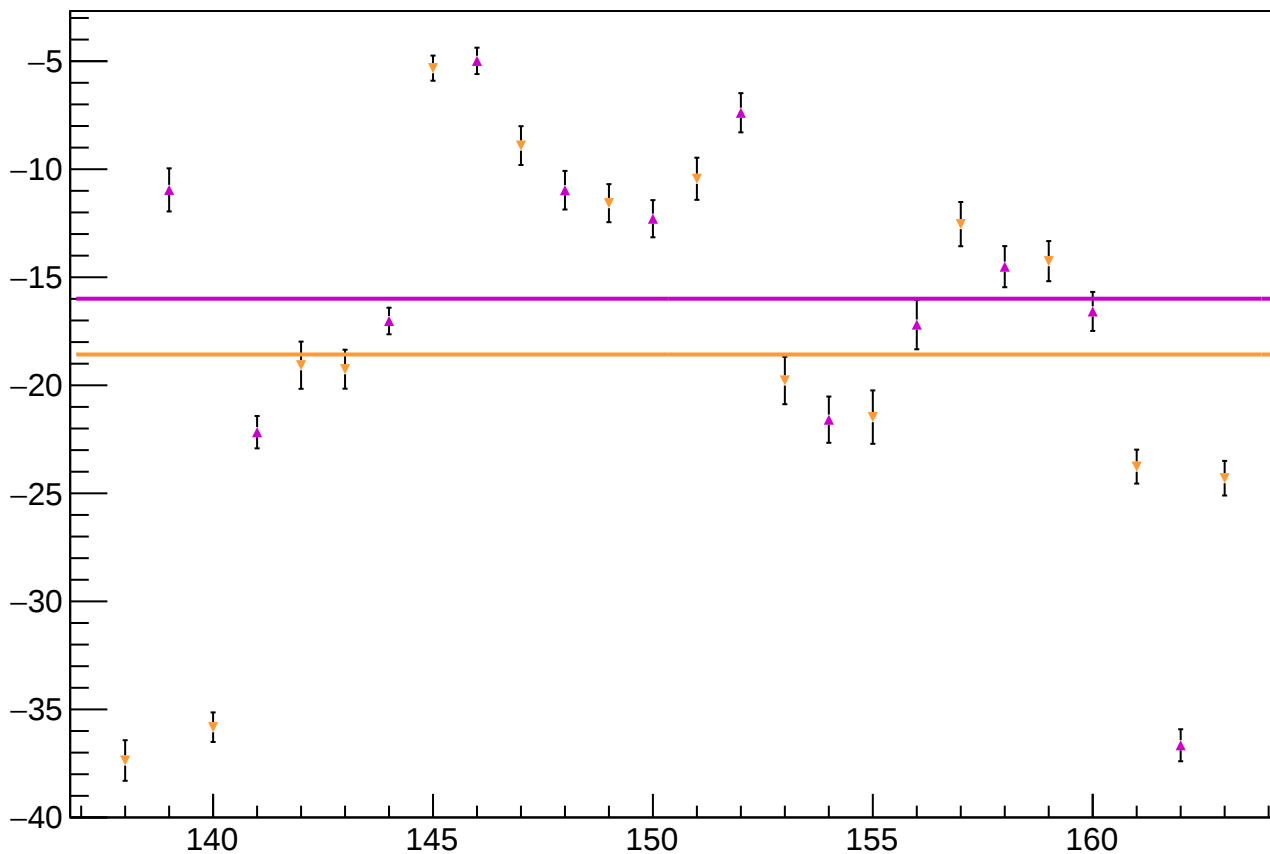
Right: -0.084 ± 0.007 χ^2/NDF : 2219.2/35

In: 0.149 ± 0.004 χ^2/NDF : 1827.3/28

Out: 0.156 ± 0.004 χ^2/NDF : 2425.2/32

All: 0.153 ± 0.003 χ^2/NDF : 4253.8/61

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: -18.574+/-0.232 χ^2/NDF :1961.2/13

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

Left In: -15.992+/-0.237 χ^2/NDF :1371.6/11

Left: -17.316+/-0.166 χ^2/NDF : 3393.4/25

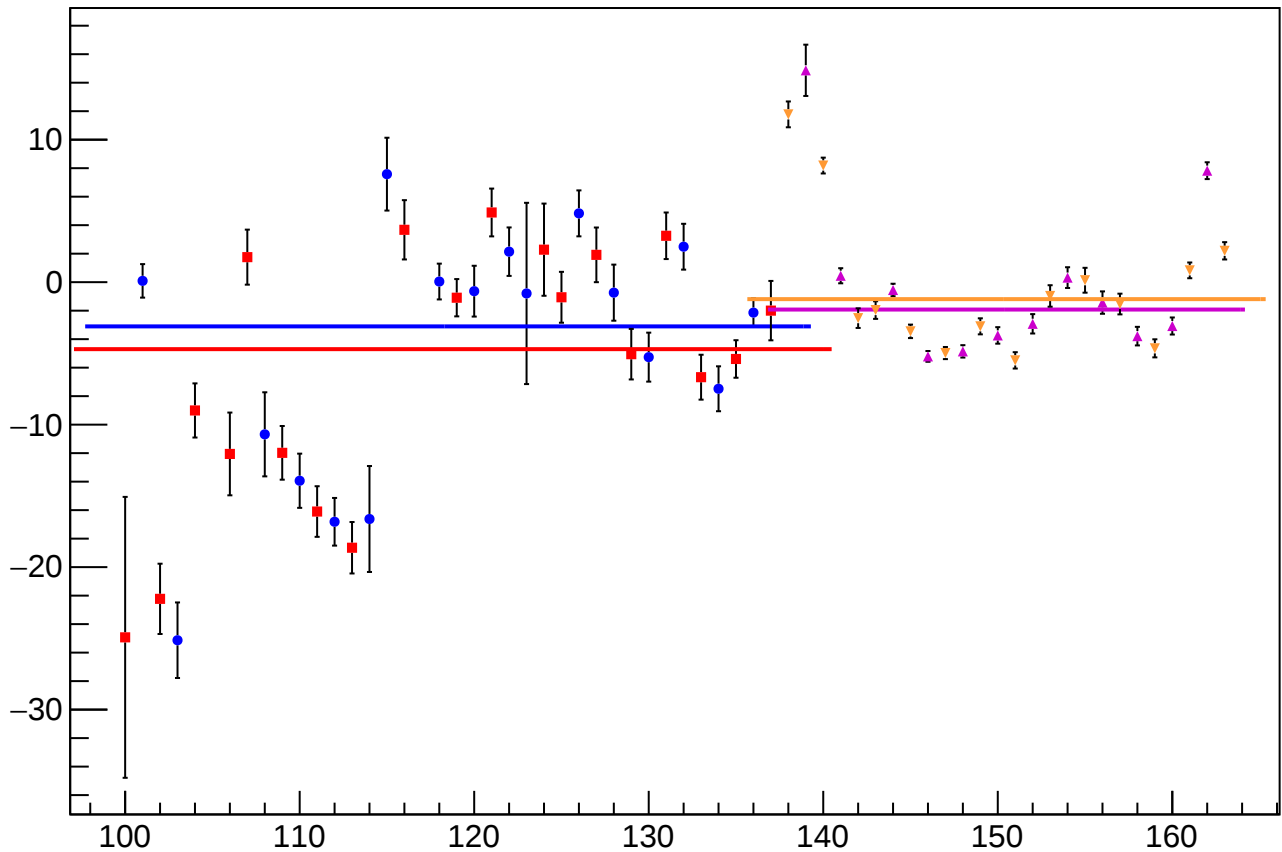
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -15.992+/-0.237 χ^2/NDF :1371.6/11

Out: -18.574+/-0.232 χ^2/NDF :1961.2/13

All: -17.316+/-0.166 χ^2/NDF : 3393.4/25

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.104 ± 0.411 $\chi^2/\text{NDF}: 279.1/16$

Left Out: -1.191 ± 0.160 $\chi^2/\text{NDF}: 741.3/13$

Right Out: -4.701 ± 0.427 $\chi^2/\text{NDF}: 297.6/18$

Left In: -1.922 ± 0.162 $\chi^2/\text{NDF}: 544.8/11$

Left: -1.553 ± 0.114 $\chi^2/\text{NDF}: 1296.3/25$

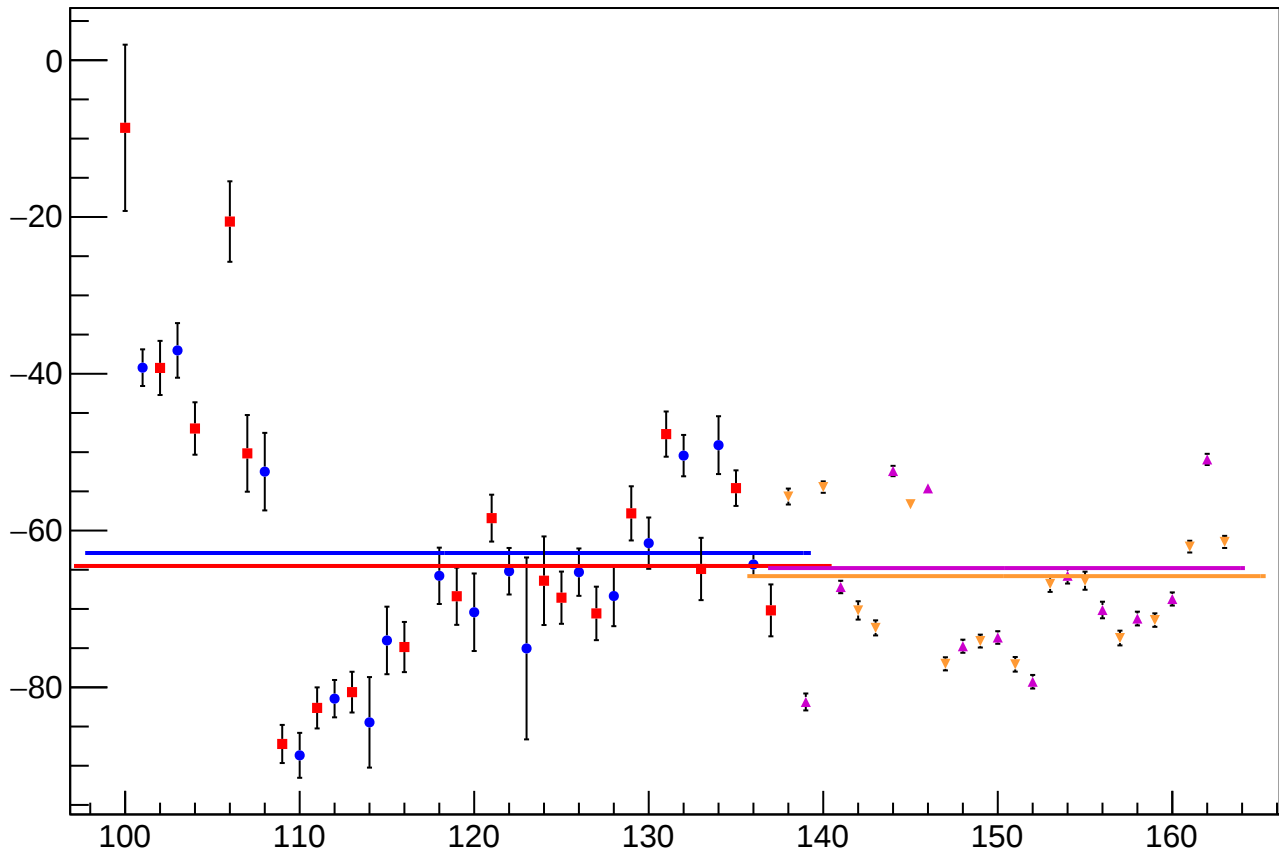
Right: -3.873 ± 0.296 $\chi^2/\text{NDF}: 584.0/35$

In: -2.081 ± 0.151 $\chi^2/\text{NDF}: 831.1/28$

Out: -1.626 ± 0.150 $\chi^2/\text{NDF}: 1098.2/32$

All: -1.853 ± 0.106 $\chi^2/\text{NDF}: 1933.8/61$

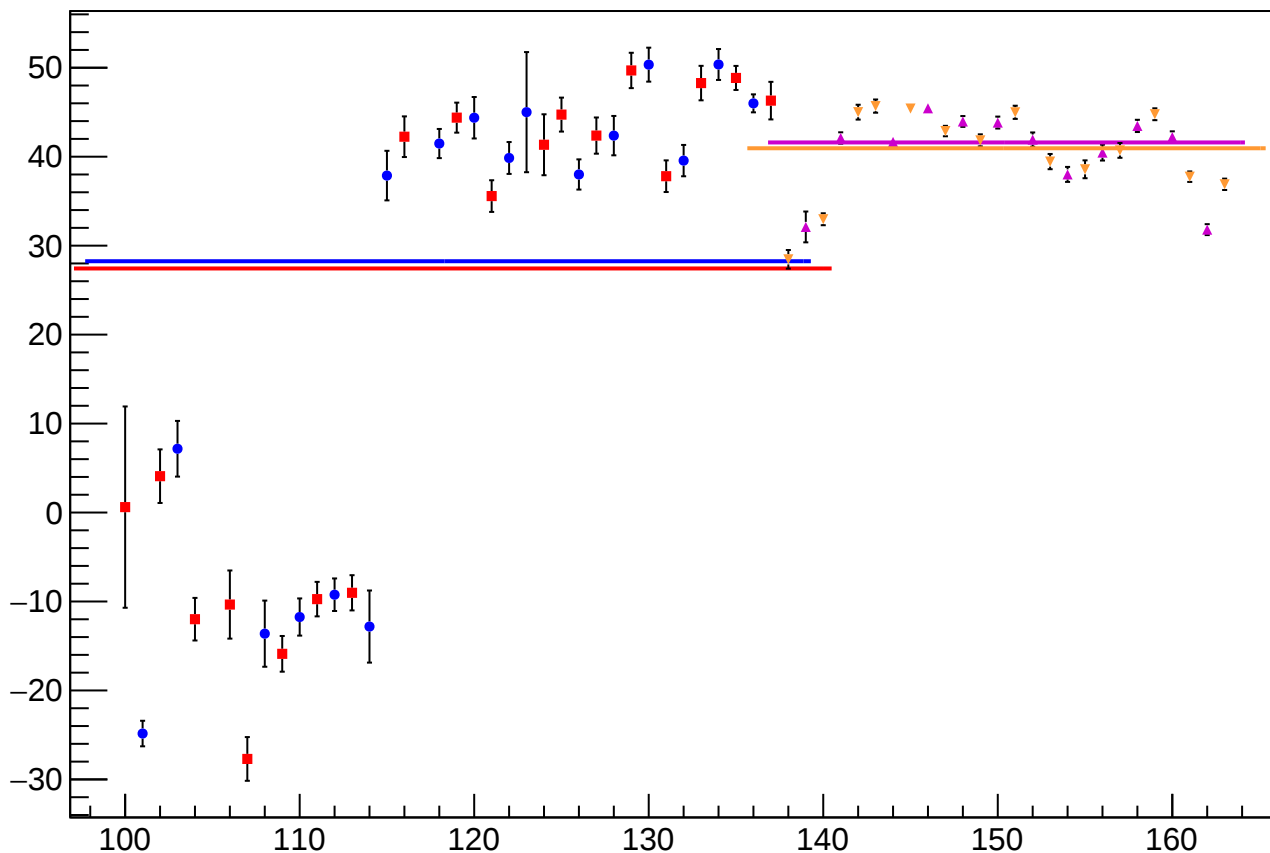
reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.863 ± 0.741 $\chi^2/\text{NDF}: 368.7/16$
 Left Out: -65.813 ± 0.230 $\chi^2/\text{NDF}: 1219.6/13$
 Right Out: -64.517 ± 0.752 $\chi^2/\text{NDF}: 444.3/18$
 Left In: -64.786 ± 0.232 $\chi^2/\text{NDF}: 1934.8/11$

Left: -65.305 ± 0.163 $\chi^2/\text{NDF}: 3164.3/25$
 Right: -63.677 ± 0.528 $\chi^2/\text{NDF}: 815.4/35$
 In: -64.613 ± 0.222 $\chi^2/\text{NDF}: 2309.7/28$
 Out: -65.703 ± 0.220 $\chi^2/\text{NDF}: 1666.6/32$
 All: -65.163 ± 0.156 $\chi^2/\text{NDF}: 3988.4/61$

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.250 $\pm$ 0.460 χ^2 /NDF: 3319.5/16

Left Out: 40.947 $\pm$ 0.189 χ^2 /NDF:567.7/13

Right Out: 27.435 $\pm$ 0.479 χ^2 /NDF: 3032.4/18

Left In: 41.601 $\pm$ 0.192 χ^2 /NDF:403.9/11

Left: 41.269 $\pm$ 0.135 χ^2 /NDF: 977.5/25

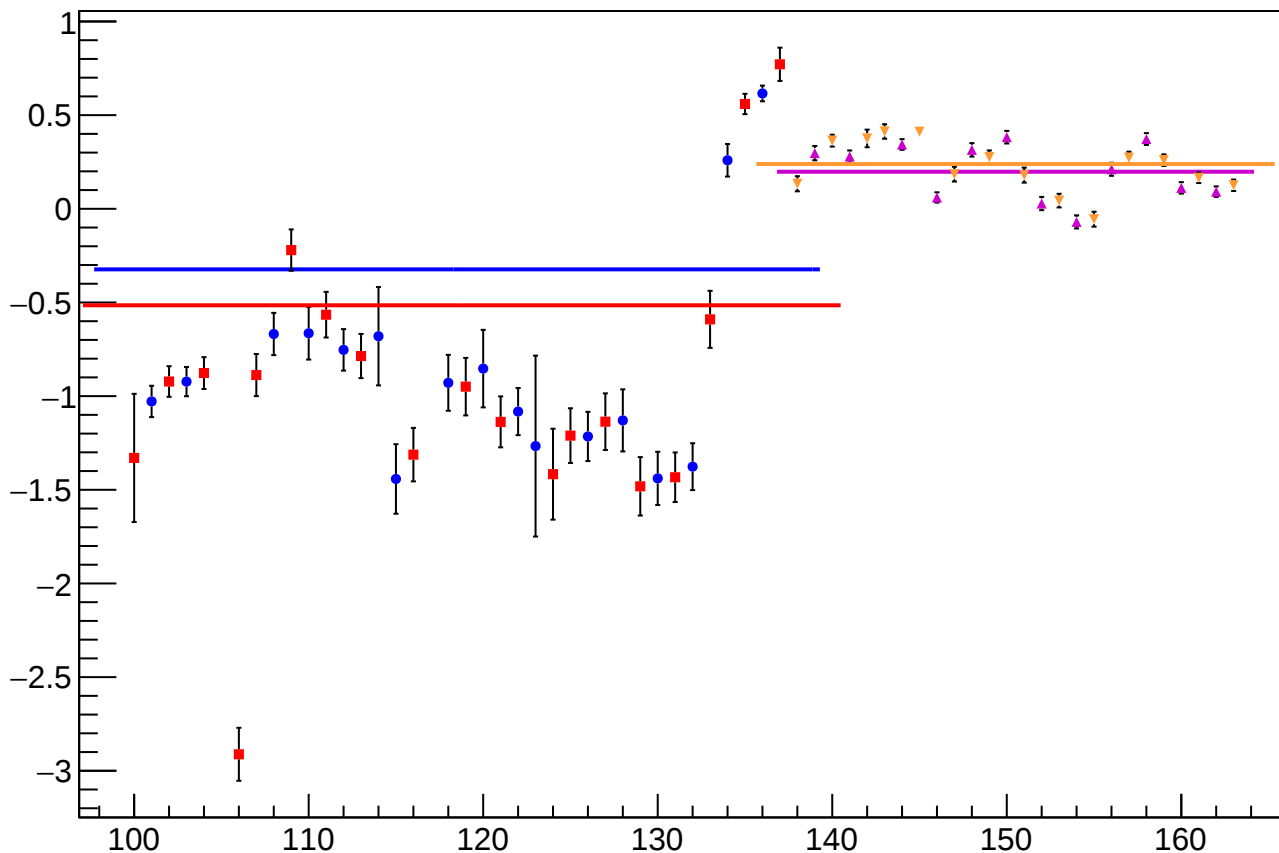
Right: 27.859 $\pm$ 0.332 χ^2 /NDF: 6353.5/35

In: 39.622 $\pm$ 0.177 χ^2 /NDF:4440.6/28

Out: 39.124 $\pm$ 0.176 χ^2 /NDF:4289.2/32

All: 39.371 $\pm$ 0.125 χ^2 /NDF: 8733.8/61

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: 0.239 ± 0.009 χ^2/NDF : 212.2/13

Right Out: -0.515 ± 0.026 χ^2/NDF : 1160.9/18

Left In: 0.198 ± 0.009 χ^2/NDF : 239.9/11

Left: 0.219 ± 0.006 χ^2/NDF : 462.2/25

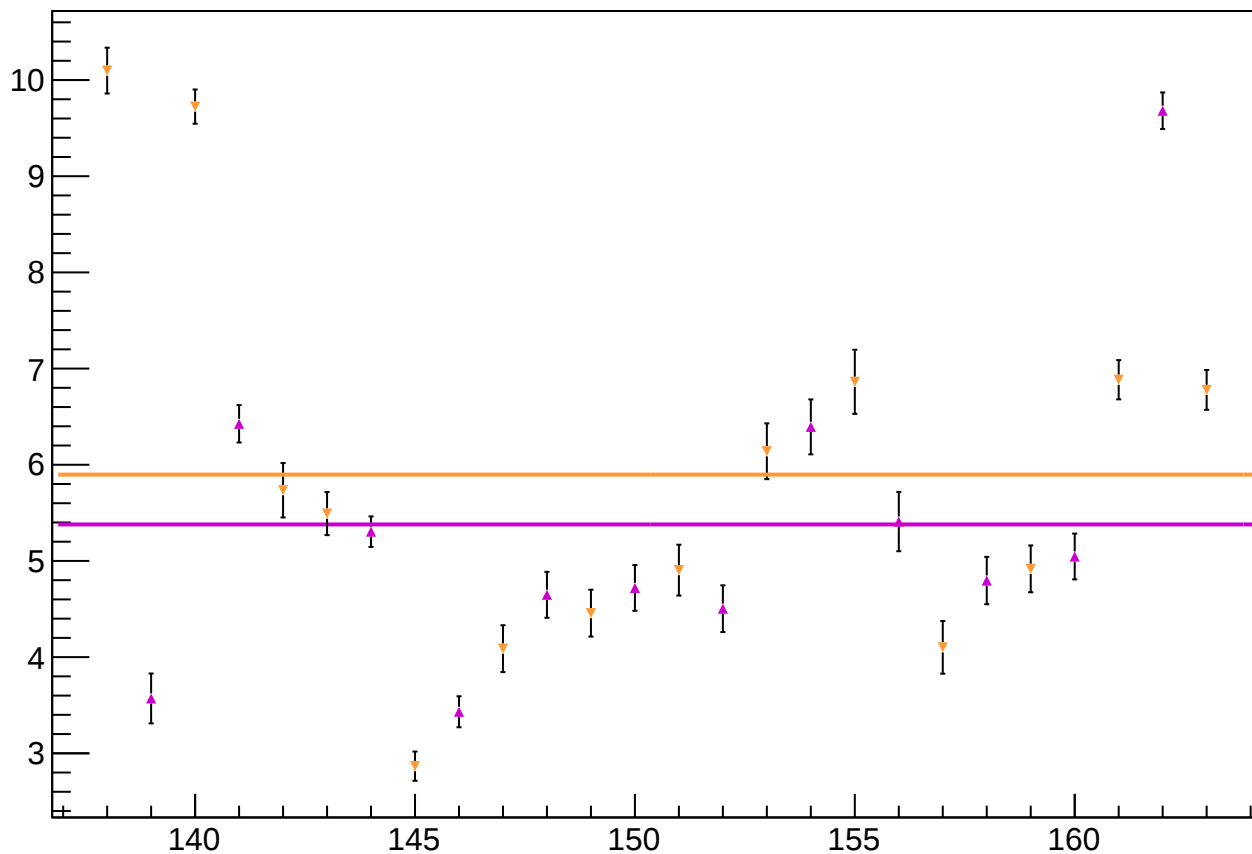
Right: -0.416 ± 0.018 χ^2/NDF : 2200.2/35

In: 0.135 ± 0.009 χ^2/NDF : 1634.0/28

Out: 0.156 ± 0.009 χ^2/NDF : 2135.8/32

All: 0.146 ± 0.006 χ^2/NDF : 3773.0/61

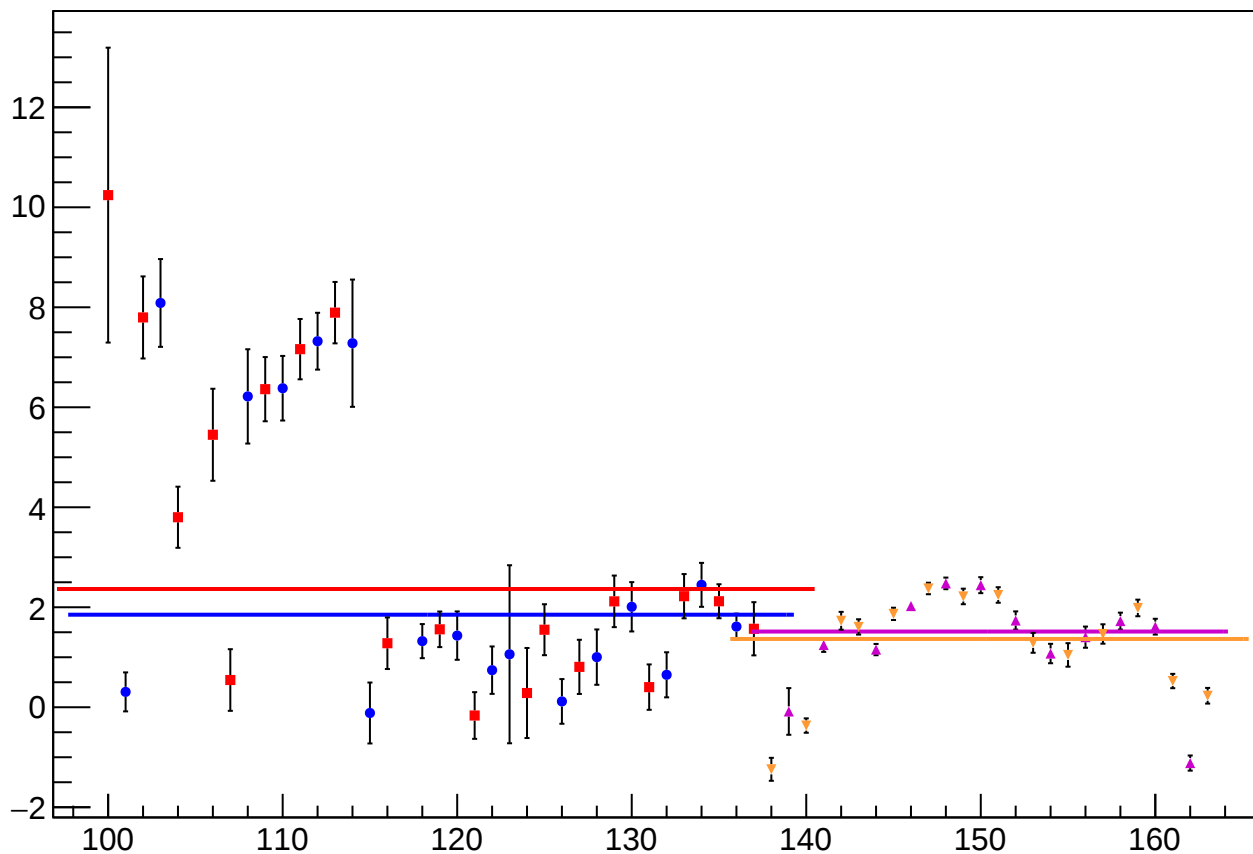
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.898+/-0.061 χ^2/NDF :1387.3/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 5.379+/-0.062 χ^2/NDF :787.6/11

Left: 5.646+/-0.044 χ^2/NDF : 2210.3/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 5.379+/-0.062 χ^2/NDF :787.6/11
 Out: 5.898+/-0.061 χ^2/NDF :1387.3/13
 All: 5.646+/-0.044 χ^2/NDF : 2210.3/25

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.851 $\pm$ 0.117 χ^2 /NDF: 294.2/16

Left Out: 1.366 $\pm$ 0.042 χ^2 /NDF:538.3/13

Right Out: 2.365 $\pm$ 0.123 χ^2 /NDF: 336.2/18

Left In: 1.514 $\pm$ 0.043 χ^2 /NDF:466.2/11

Left: 1.439 $\pm$ 0.030 χ^2 /NDF: 1010.7/25

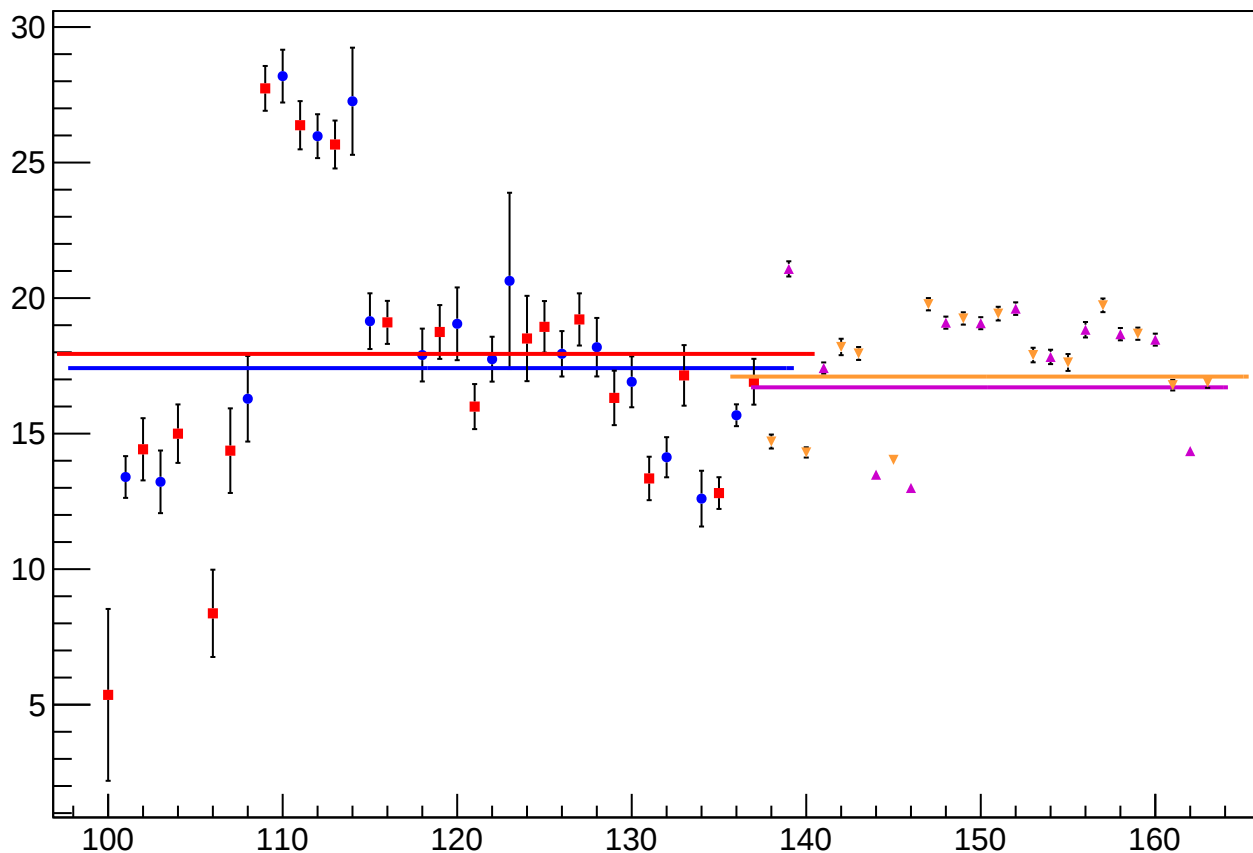
Right: 2.097 $\pm$ 0.085 χ^2 /NDF: 639.6/35

In: 1.554 $\pm$ 0.040 χ^2 /NDF:767.7/28

Out: 1.472 $\pm$ 0.040 χ^2 /NDF:934.0/32

All: 1.513 $\pm$ 0.028 χ^2 /NDF: 1703.8/61

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.417 $\pm$ 0.213 χ^2 /NDF: 367.0/16

Left Out: 17.104 $\pm$ 0.060 χ^2 /NDF:1174.8/13

Right Out: 17.941 $\pm$ 0.219 χ^2 /NDF: 505.6/18

Left In: 16.708 $\pm$ 0.061 χ^2 /NDF:1949.7/11

Left: 16.909 $\pm$ 0.043 χ^2 /NDF: 3145.8/25

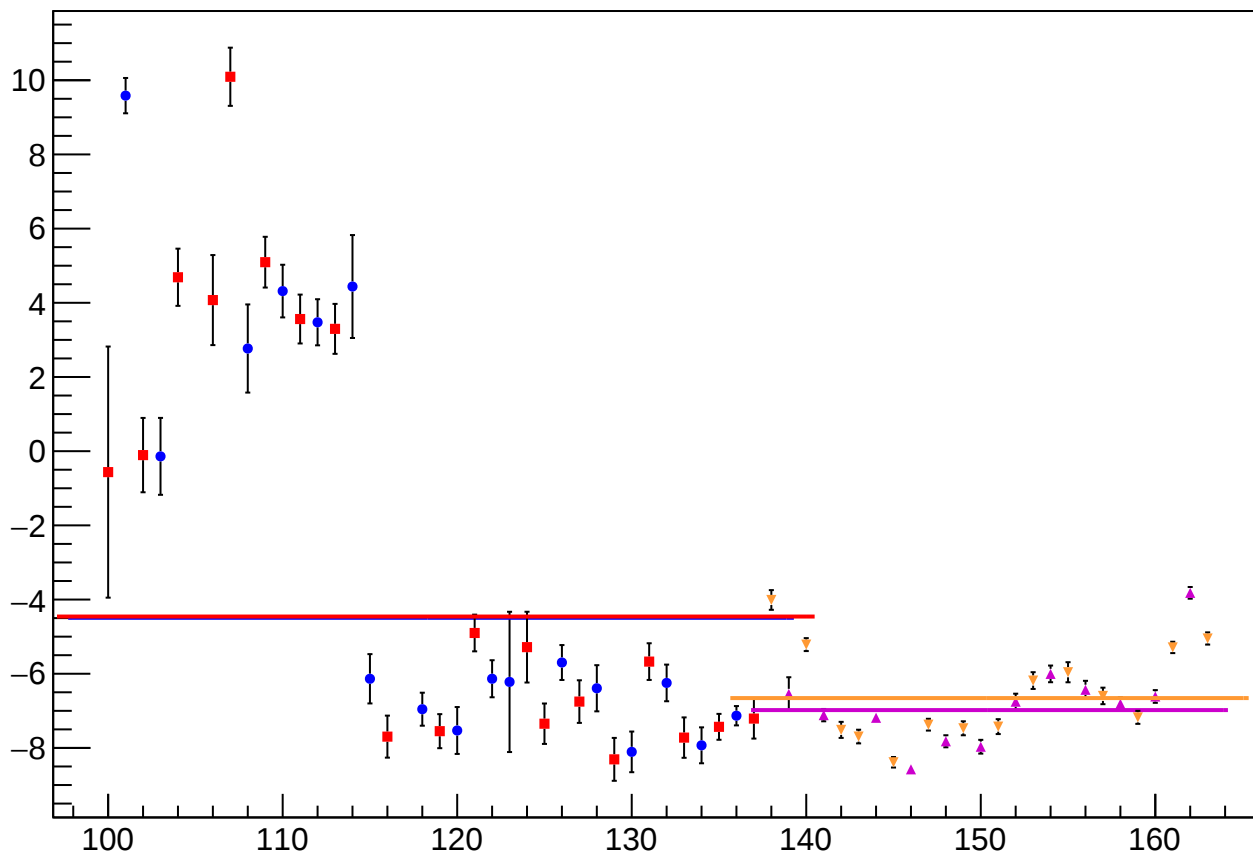
Right: 17.671 $\pm$ 0.153 χ^2 /NDF: 875.6/35

In: 16.762 $\pm$ 0.059 χ^2 /NDF:2327.0/28

Out: 17.163 $\pm$ 0.058 χ^2 /NDF:1693.9/32

All: 16.965 $\pm$ 0.041 χ^2 /NDF: 4044.5/61

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.491 ± 0.130 $\chi^2/\text{NDF}: 1585.4/16$

Left Out: -6.656 ± 0.050 $\chi^2/\text{NDF}: 611.3/13$

Right Out: -4.458 ± 0.137 $\chi^2/\text{NDF}: 1338.9/18$

Left In: -6.980 ± 0.050 $\chi^2/\text{NDF}: 656.6/11$

Left: -6.815 ± 0.035 $\chi^2/\text{NDF}: 1288.8/25$

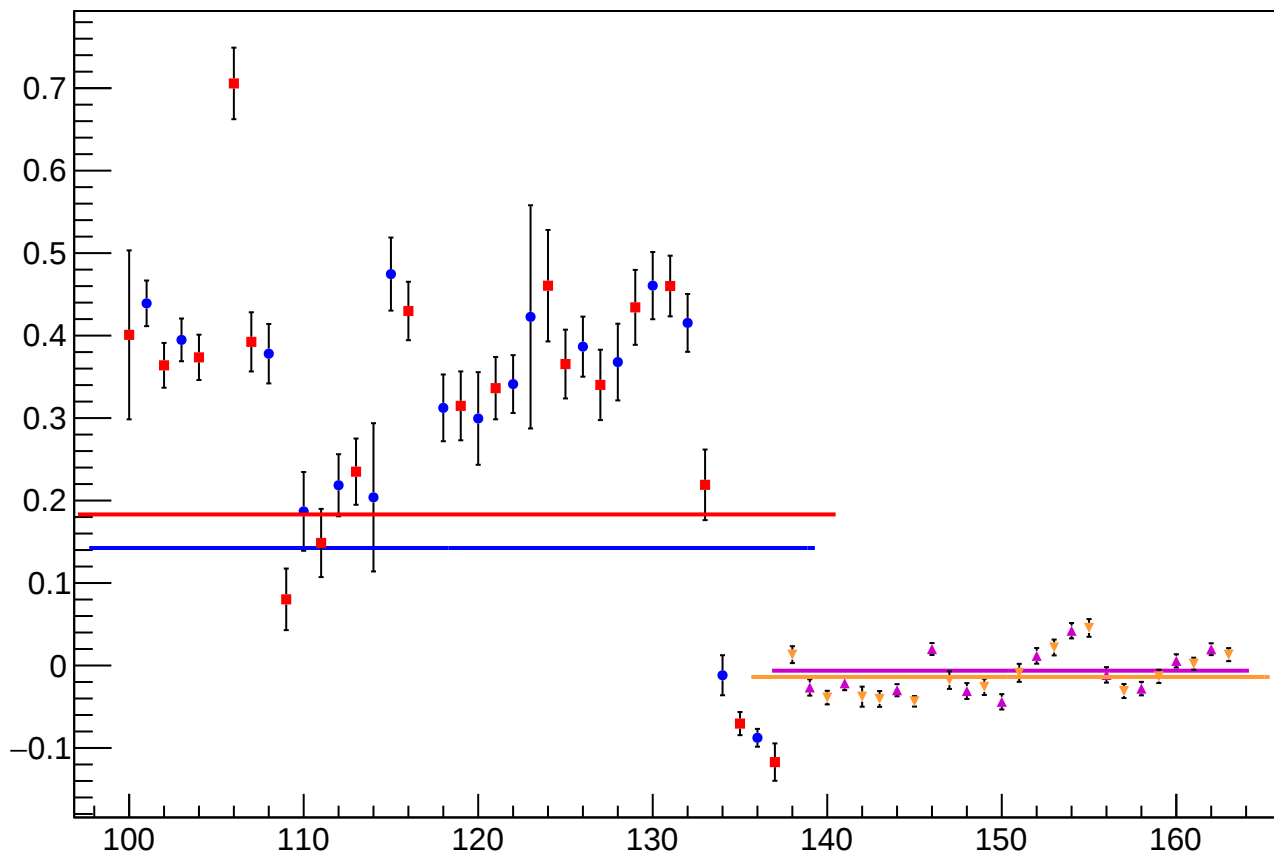
Right: -4.476 ± 0.094 $\chi^2/\text{NDF}: 2924.4/35$

In: -6.656 ± 0.047 $\chi^2/\text{NDF}: 2558.6/28$

Out: -6.401 ± 0.047 $\chi^2/\text{NDF}: 2177.7/32$

All: -6.527 ± 0.033 $\chi^2/\text{NDF}: 4751.1/61$

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.142 ± 0.007 $\chi^2/\text{NDF}: 1058.8/16$

Left Out: -0.014 ± 0.002 $\chi^2/\text{NDF}: 116.1/13$

Right Out: 0.183 ± 0.007 $\chi^2/\text{NDF}: 1000.9/18$

Left In: -0.006 ± 0.002 $\chi^2/\text{NDF}: 107.5/11$

Left: -0.010 ± 0.002 $\chi^2/\text{NDF}: 228.6/25$

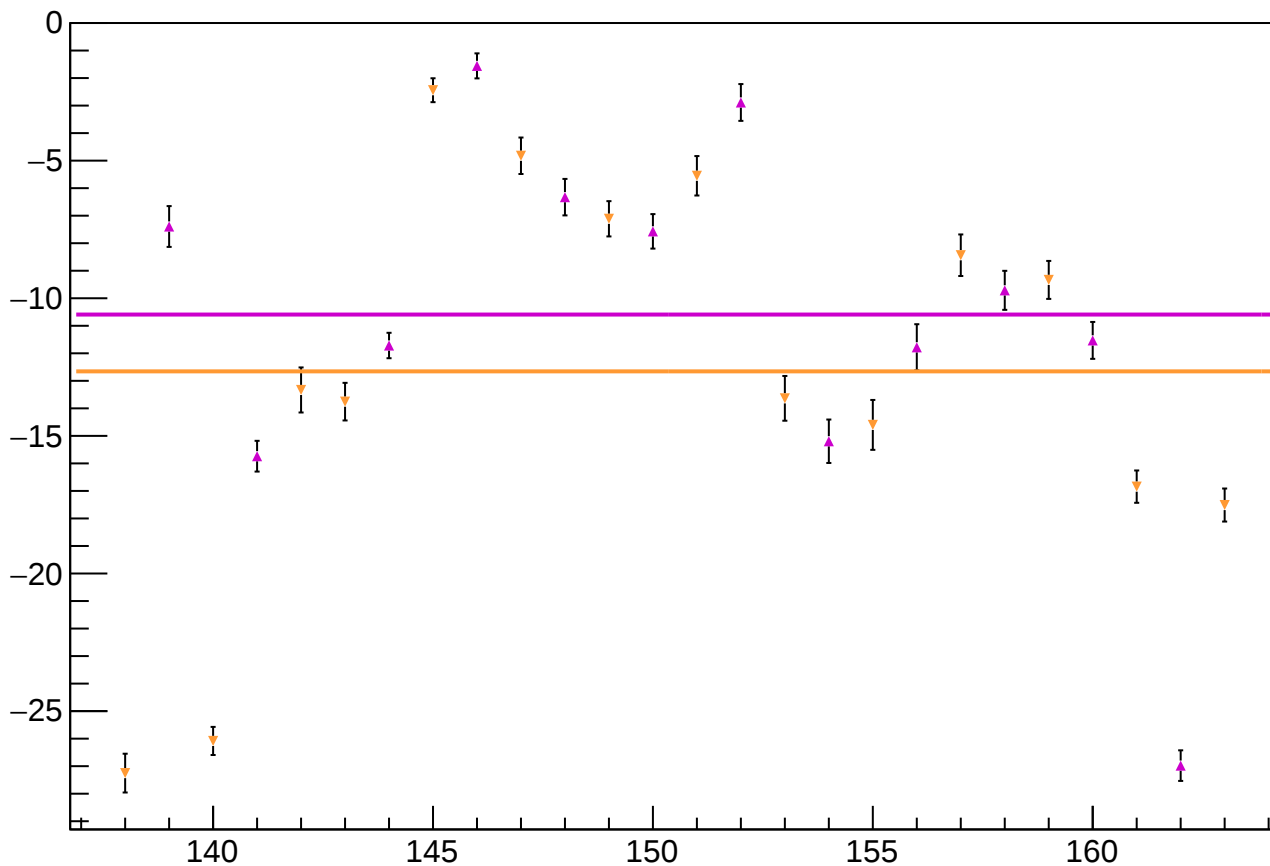
Right: 0.162 ± 0.005 $\chi^2/\text{NDF}: 2075.4/35$

In: 0.010 ± 0.002 $\chi^2/\text{NDF}: 1562.0/28$

Out: 0.004 ± 0.002 $\chi^2/\text{NDF}: 1758.6/32$

All: 0.007 ± 0.002 $\chi^2/\text{NDF}: 3323.1/61$

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected

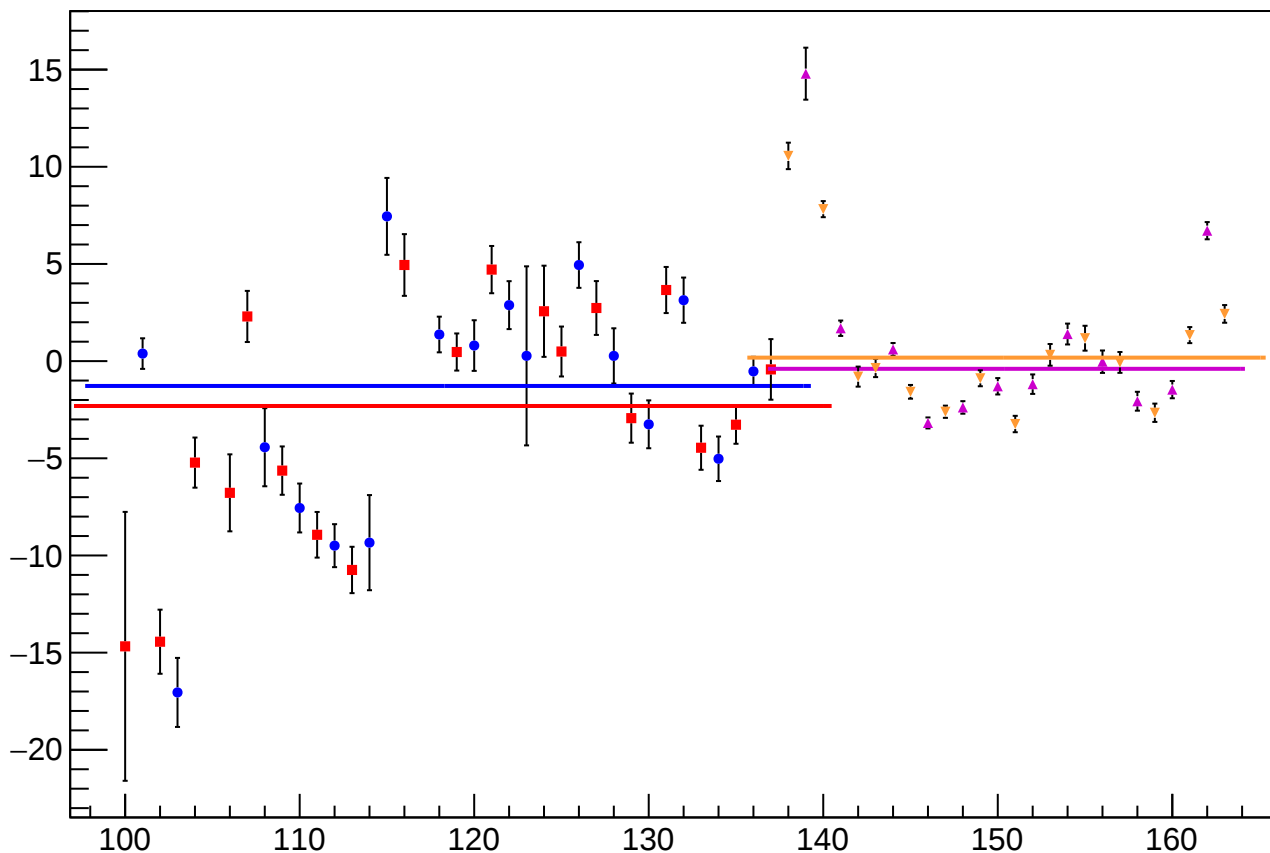


Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -12.656+/-0.172 χ^2/NDF :2167.3/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -10.592+/-0.177 χ^2/NDF :1610.7/11

Left: -11.649+/-0.123 χ^2/NDF : 3848.1/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -10.592+/-0.177 χ^2/NDF :1610.7/11
 Out: -12.656+/-0.172 χ^2/NDF :2167.3/13

All: -11.649+/-0.123 χ^2/NDF : 3848.1/25

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.278 ± 0.292 χ^2/NDF : 276.5/16

Left Out: 0.180 ± 0.119 χ^2/NDF : 824.3/13

Right Out: -2.309 ± 0.302 χ^2/NDF : 285.3/18

Left In: -0.396 ± 0.121 χ^2/NDF : 594.2/11

Left: -0.105 ± 0.085 χ^2/NDF : 1429.9/25

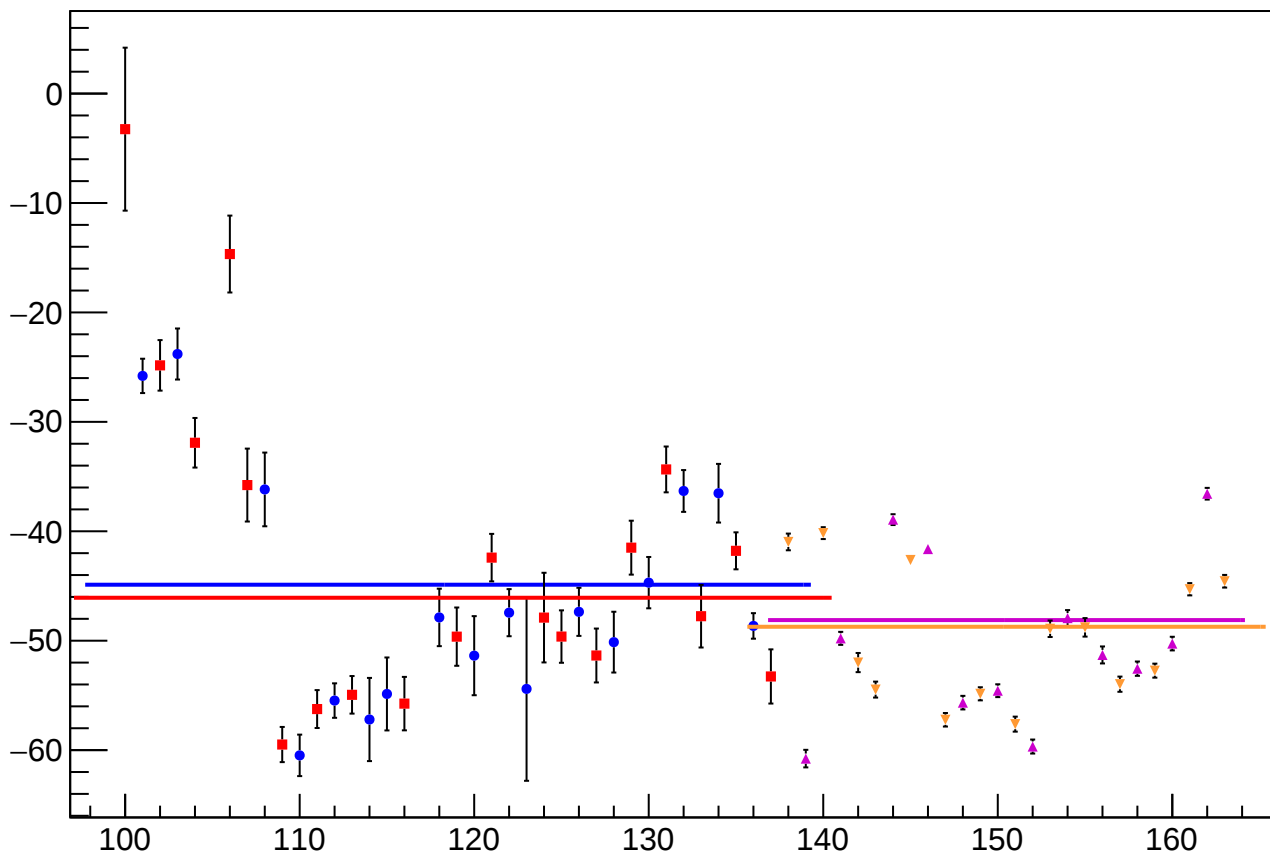
Right: -1.776 ± 0.210 χ^2/NDF : 567.8/35

In: -0.524 ± 0.112 χ^2/NDF : 878.5/28

Out: -0.155 ± 0.111 χ^2/NDF : 1168.2/32

All: -0.339 ± 0.079 χ^2/NDF : 2052.1/61

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -44.883 ± 0.524 χ^2/NDF : 421.0/16

Left Out: -48.726 ± 0.171 χ^2/NDF : 1249.6/13

Right Out: -46.075 ± 0.529 χ^2/NDF : 454.3/18

Left In: -48.116 ± 0.173 χ^2/NDF : 1957.1/11

Left: -48.424 ± 0.121 χ^2/NDF : 3213.1/25

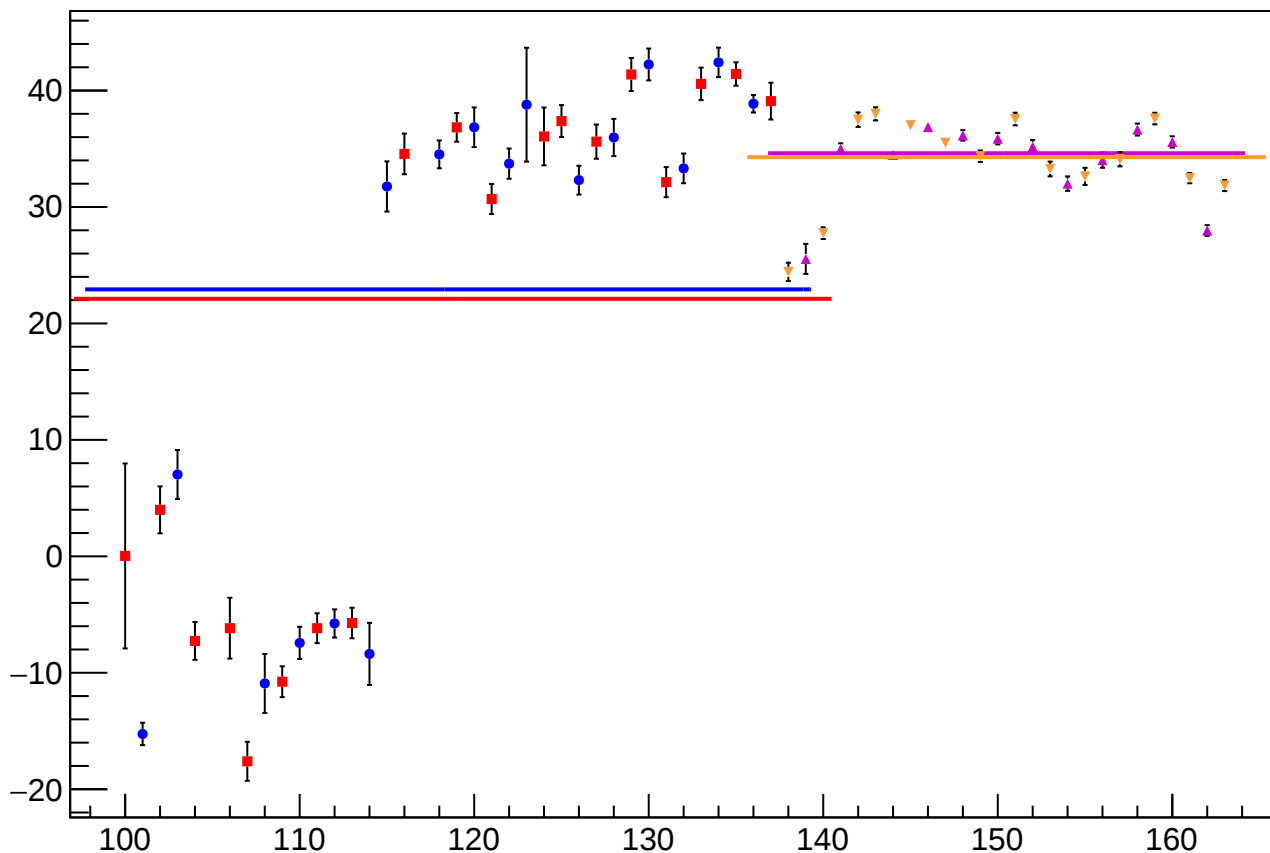
Right: -45.474 ± 0.372 χ^2/NDF : 877.8/35

In: -47.800 ± 0.164 χ^2/NDF : 2412.4/28

Out: -48.476 ± 0.162 χ^2/NDF : 1726.6/32

All: -48.141 ± 0.115 χ^2/NDF : 4147.6/61

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.926 $\pm$ 0.328 χ^2 /NDF: 4330.2/16

Left Out: 34.280 $\pm$ 0.141 χ^2 /NDF:580.8/13

Right Out: 22.117 $\pm$ 0.340 χ^2 /NDF: 4033.4/18

Left In: 34.616 $\pm$ 0.143 χ^2 /NDF:354.2/11

Left: 34.445 $\pm$ 0.100 χ^2 /NDF: 937.8/25

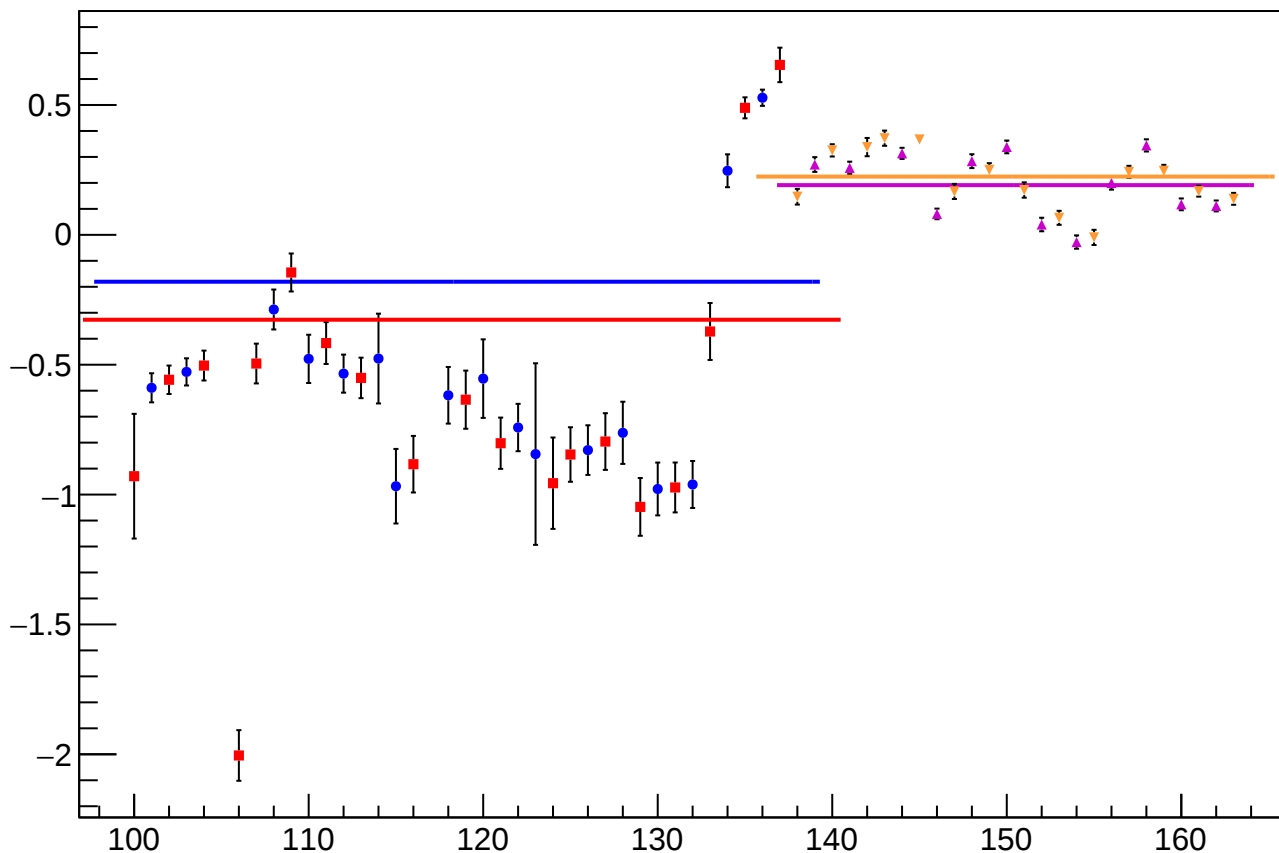
Right: 22.536 $\pm$ 0.236 χ^2 /NDF: 8366.6/35

In: 32.755 $\pm$ 0.131 χ^2 /NDF:5752.0/28

Out: 32.505 $\pm$ 0.130 χ^2 /NDF:5707.5/32

All: 32.629 $\pm$ 0.092 χ^2 /NDF: 11461.3/61

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: 0.224 ± 0.007 χ^2/NDF : 252.5/13

Right Out: -0.327 ± 0.018 χ^2/NDF : 1175.6/18

Left In: 0.191 ± 0.007 χ^2/NDF : 299.5/11

Left: 0.208 ± 0.005 χ^2/NDF : 563.7/25

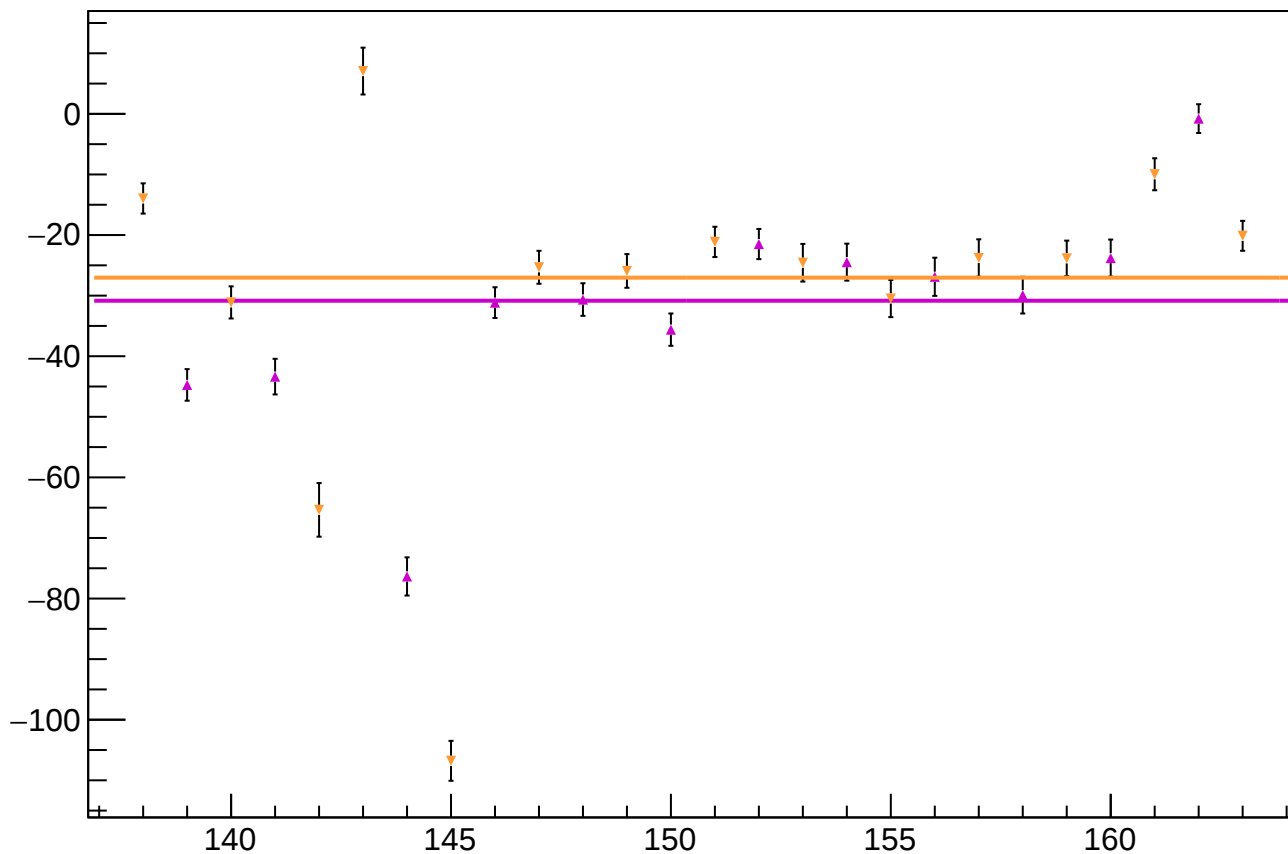
Right: -0.252 ± 0.013 χ^2/NDF : 2204.4/35

In: 0.143 ± 0.006 χ^2/NDF : 1676.2/28

Out: 0.158 ± 0.006 χ^2/NDF : 2235.3/32

All: 0.151 ± 0.004 χ^2/NDF : 3914.4/61

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -27.033 $\pm$ 0.773 χ^2/NDF :827.7/13
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -30.840 $\pm$ 0.801 χ^2/NDF :443.6/11

Left: -28.868 $\pm$ 0.556 χ^2/NDF : 1283.1/25

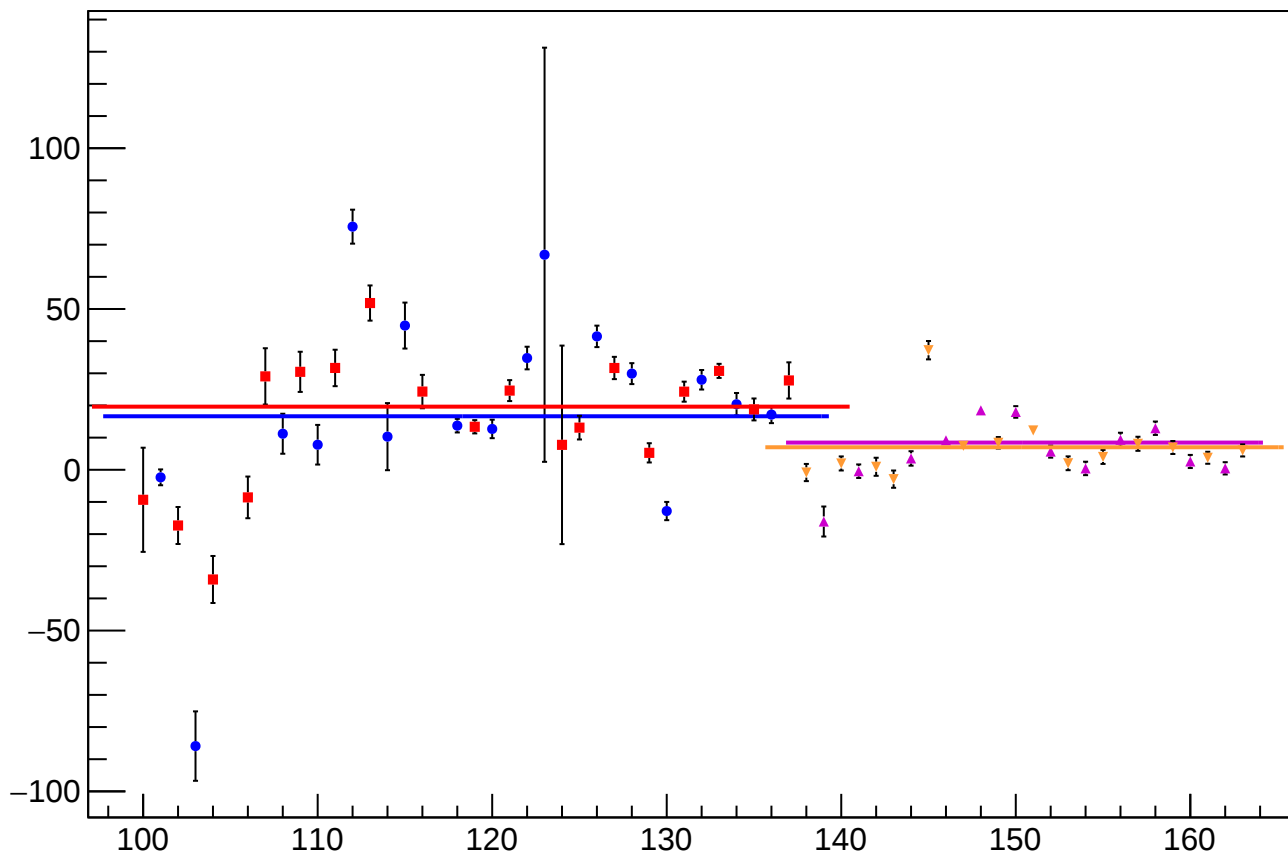
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -30.840 $\pm$ 0.801 χ^2/NDF :443.6/11

Out: -27.033 $\pm$ 0.773 χ^2/NDF :827.7/13

All: -28.868 $\pm$ 0.556 χ^2/NDF : 1283.1/25

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.641 ± 0.859 $\chi^2/\text{NDF}: 518.9/16$

Left Out: 7.003 ± 0.527 $\chi^2/\text{NDF}: 169.0/13$

Right Out: 19.632 ± 0.896 $\chi^2/\text{NDF}: 241.7/18$

Left In: 8.459 ± 0.552 $\chi^2/\text{NDF}: 184.8/11$

Left: 7.697 ± 0.381 $\chi^2/\text{NDF}: 357.4/25$

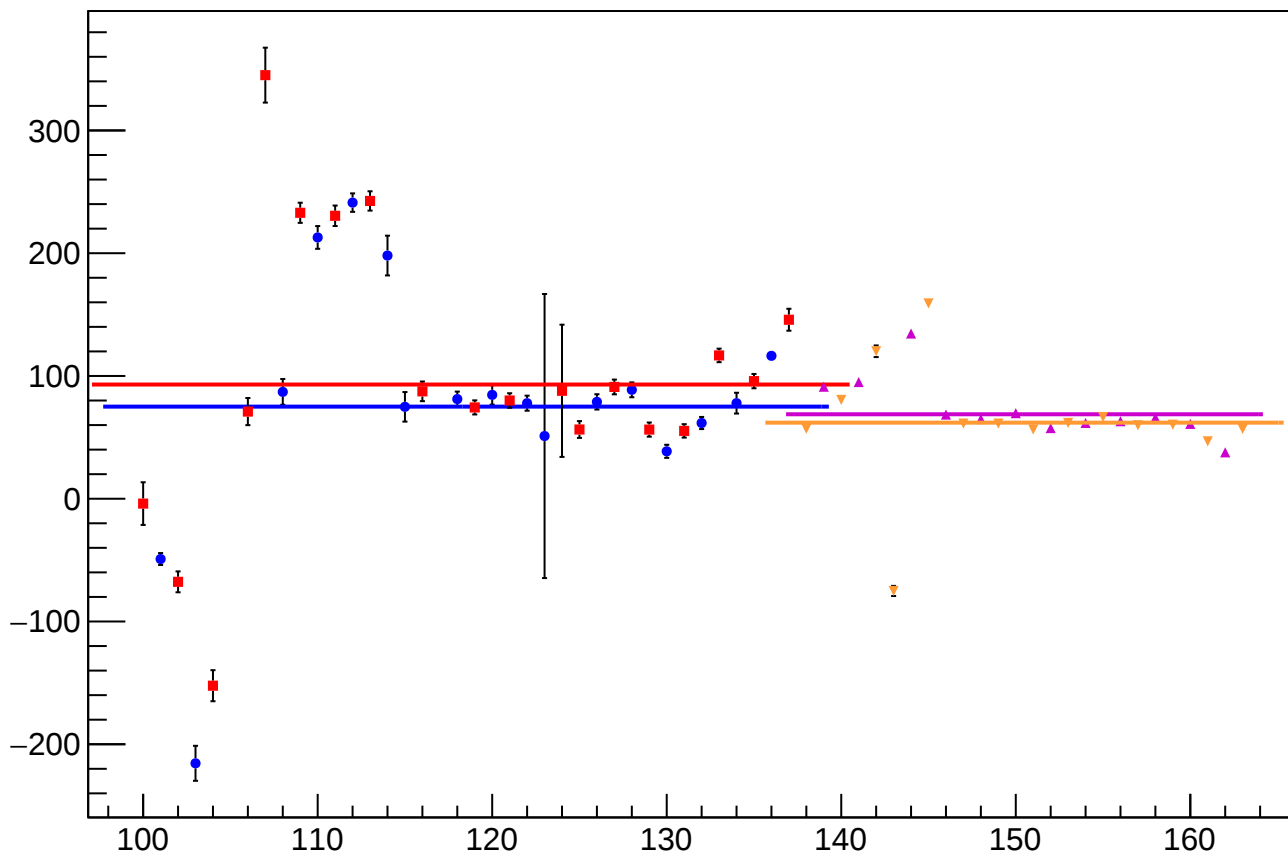
Right: 18.072 ± 0.620 $\chi^2/\text{NDF}: 766.4/35$

In: 10.852 ± 0.464 $\chi^2/\text{NDF}: 767.9/28$

Out: 10.249 ± 0.454 $\chi^2/\text{NDF}: 558.2/32$

All: 10.544 ± 0.325 $\chi^2/\text{NDF}: 1327.0/61$

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 75.032 ± 1.647 χ^2/NDF : 1999.7/16

Left Out: 61.975 ± 0.753 χ^2/NDF : 2156.2/13

Right Out: 93.028 ± 1.711 χ^2/NDF : 2003.6/18

Left In: 68.807 ± 0.776 χ^2/NDF : 741.6/11

Left: 65.292 ± 0.540 χ^2/NDF : 2937.7/25

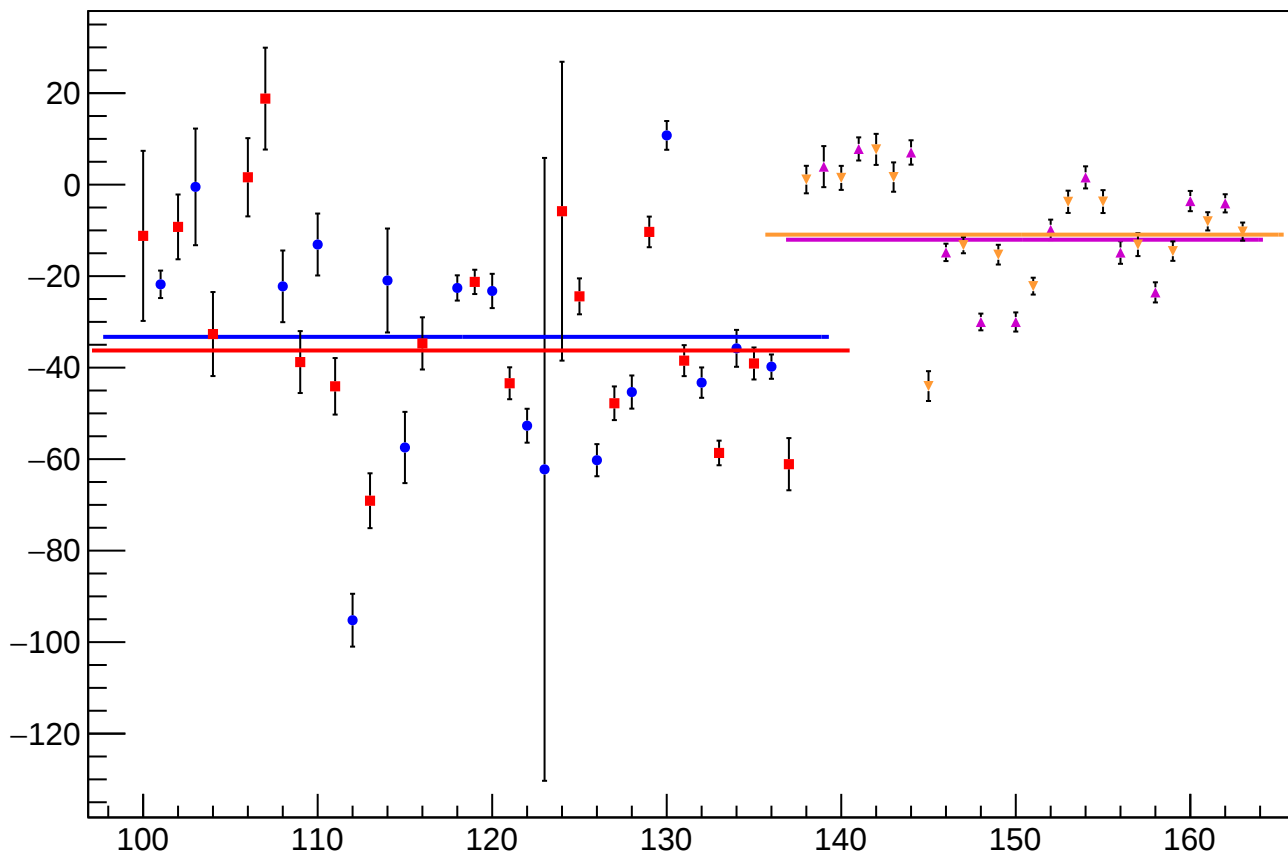
Right: 83.683 ± 1.187 χ^2/NDF : 4060.7/35

In: 69.937 ± 0.702 χ^2/NDF : 2753.0/28

Out: 67.016 ± 0.689 χ^2/NDF : 4435.6/32

All: 68.451 ± 0.492 χ^2/NDF : 7197.4/61

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.272 ± 0.982 χ^2/NDF : 489.4/16

Left Out: -10.928 ± 0.623 χ^2/NDF : 252.9/13

Right Out: -36.251 ± 1.024 χ^2/NDF : 297.6/18

Left In: -12.039 ± 0.652 χ^2/NDF : 390.3/11

Left: -11.458 ± 0.450 χ^2/NDF : 644.7/25

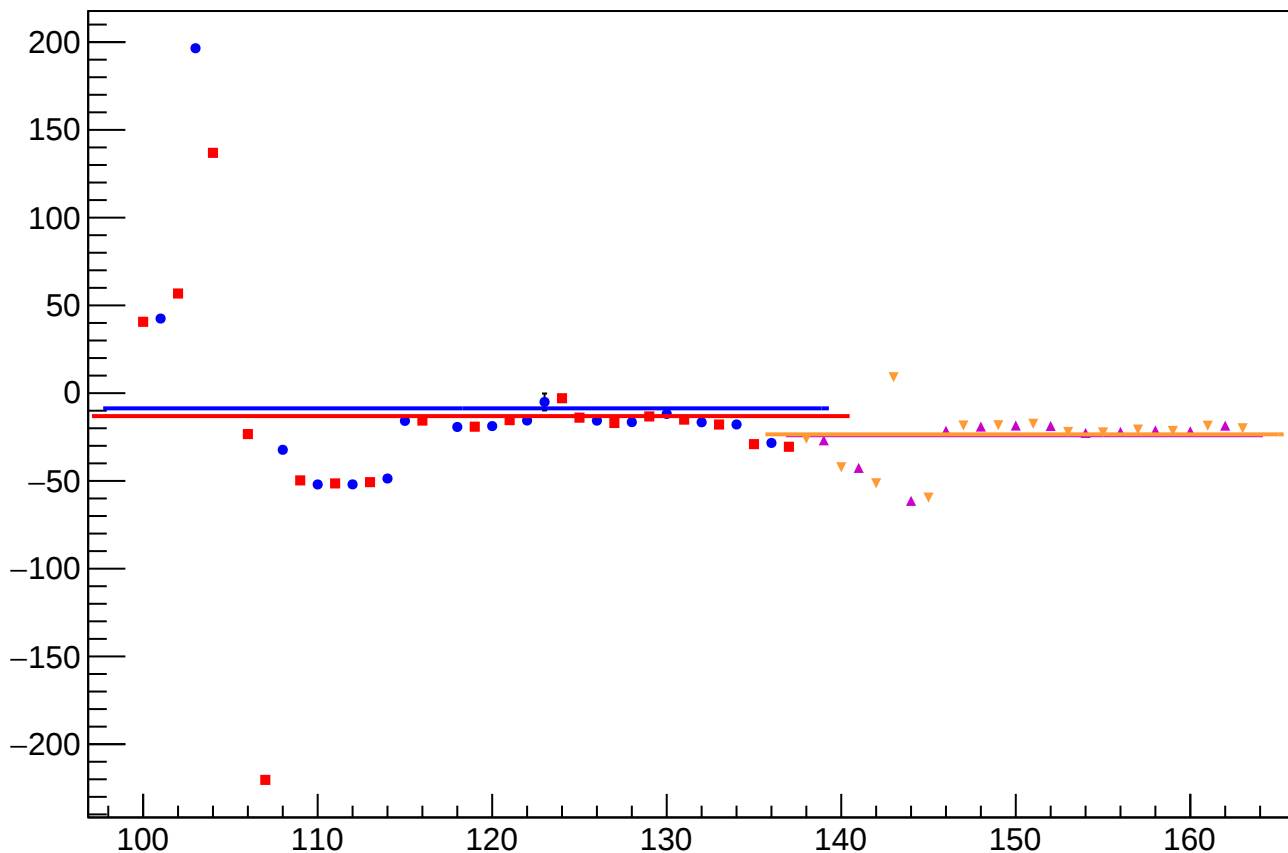
Right: -34.699 ± 0.709 χ^2/NDF : 791.4/35

In: -18.535 ± 0.543 χ^2/NDF : 1204.2/28

Out: -17.771 ± 0.532 χ^2/NDF : 996.9/32

All: -18.145 ± 0.380 χ^2/NDF : 2202.1/61

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Left: -23.714 ± 0.021 $\chi^2/\text{NDF}: 268884.4/25$

Right: -10.767 ± 0.043 $\chi^2/\text{NDF}: 1136731.7/35$

In: -20.800 ± 0.027 $\chi^2/\text{NDF}: 729539.7/28$

Out: -21.549 ± 0.027 $\chi^2/\text{NDF}: 749569.5/32$

All: -21.179 ± 0.019 $\chi^2/\text{NDF}: 1479501.6/61$

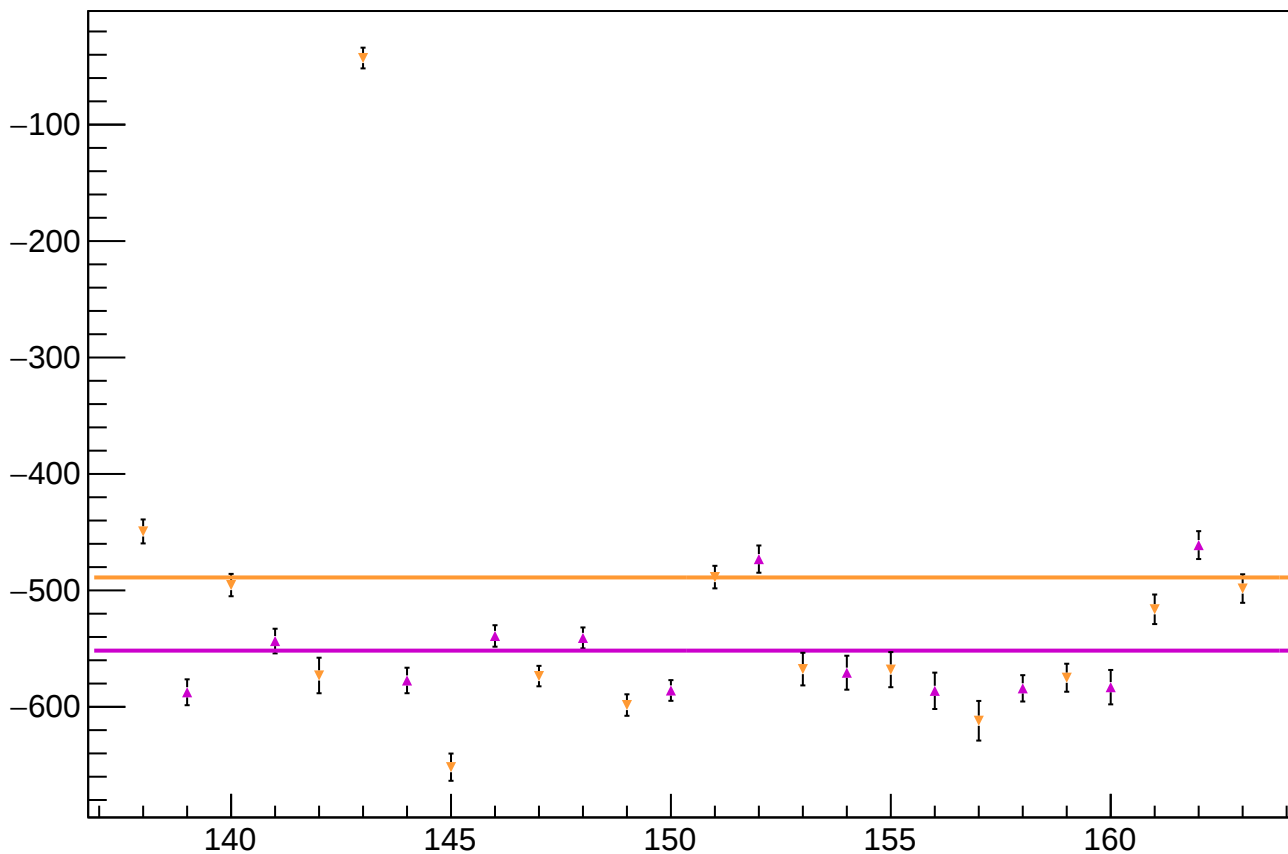
Right In: -8.657 ± 0.059 $\chi^2/\text{NDF}: 575742.7/16$

Left Out: -23.470 ± 0.029 $\chi^2/\text{NDF}: 168216.3/13$

Right Out: -13.077 ± 0.062 $\chi^2/\text{NDF}: 558318.9/18$

Left In: -23.971 ± 0.030 $\chi^2/\text{NDF}: 100527.0/11$

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -488.877+/-2.980 χ^2/NDF :3153.8/13

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

Left In: -551.718+/-3.200 χ^2/NDF :156.3/11

Left: -518.062+/-2.181 χ^2/NDF : 3516.7/25

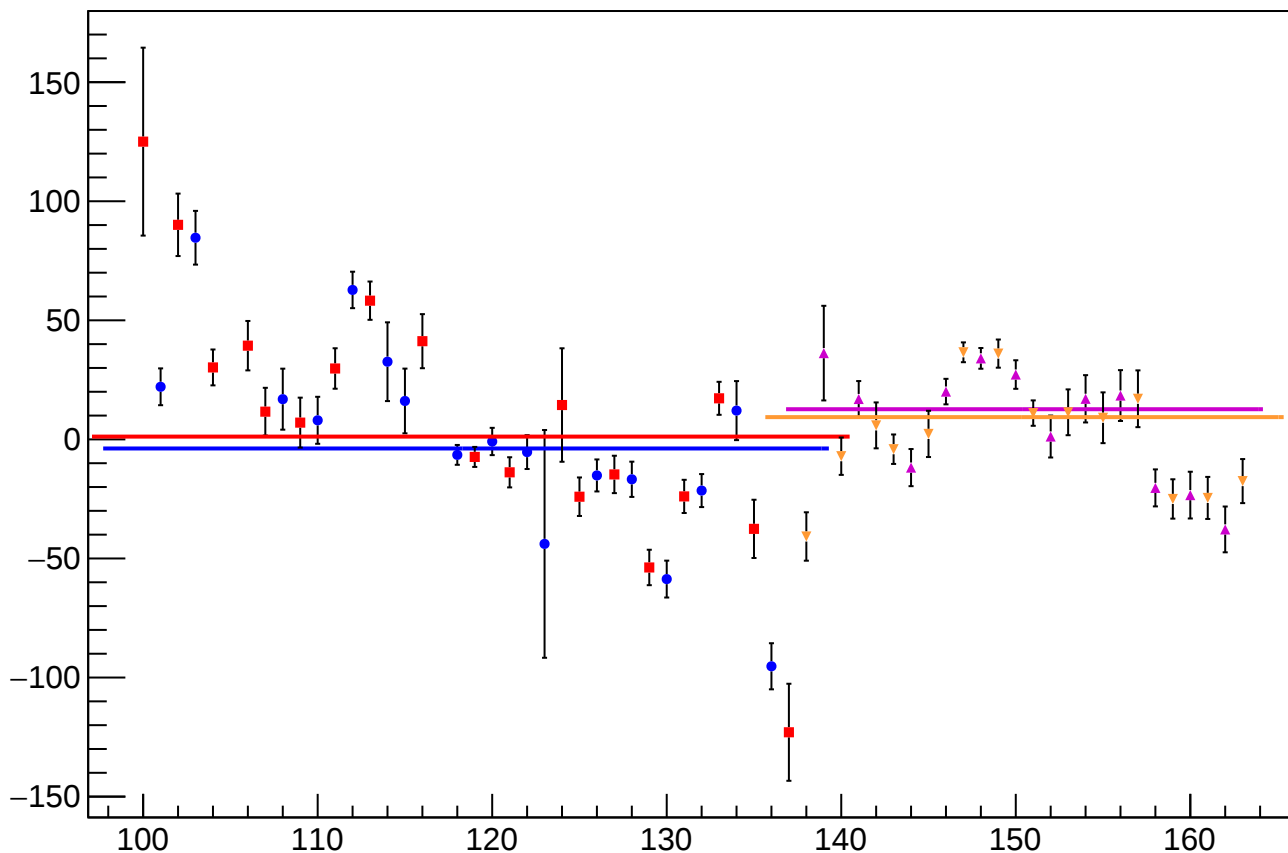
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -551.718+/-3.200 χ^2/NDF :156.3/11

Out: -488.877+/-2.980 χ^2/NDF :3153.8/13

All: -518.062+/-2.181 χ^2/NDF : 3516.7/25

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.815 ± 1.923 χ^2/NDF : 314.3/16

Left Out: 9.352 ± 1.959 χ^2/NDF : 138.3/13

Right Out: 1.175 ± 1.914 χ^2/NDF : 303.9/18

Left In: 12.674 ± 2.125 χ^2/NDF : 104.8/11

Left: 10.878 ± 1.440 χ^2/NDF : 244.4/25

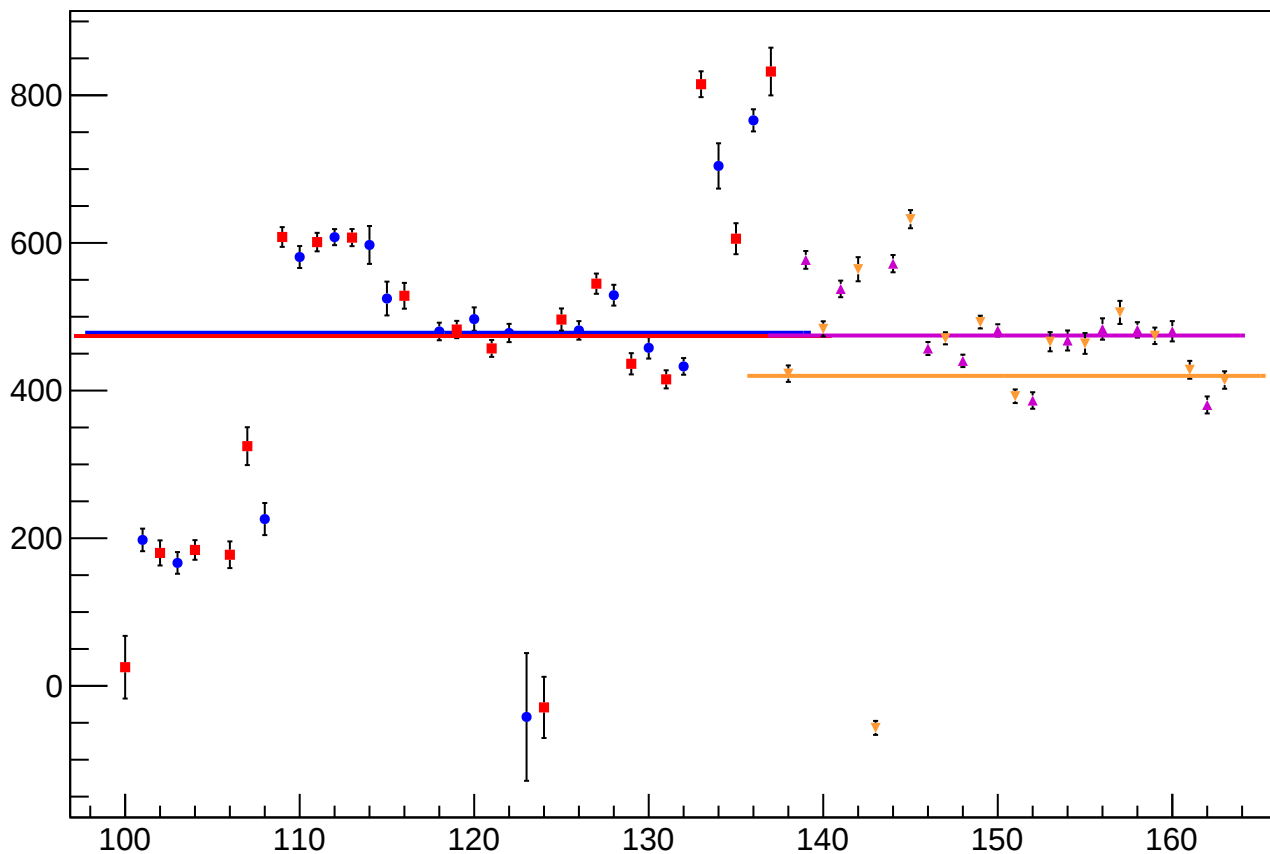
Right: -1.308 ± 1.356 χ^2/NDF : 621.6/35

In: 3.610 ± 1.426 χ^2/NDF : 452.2/28

Out: 5.169 ± 1.369 χ^2/NDF : 451.0/32

All: 4.421 ± 0.987 χ^2/NDF : 903.9/61

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 478.334 $\pm$ 3.662 χ^2 /NDF: 1628.8/16

Left Out: 419.942 $\pm$ 2.934 χ^2 /NDF: 3129.8/13

Right Out: 473.902 $\pm$ 3.531 χ^2 /NDF: 2285.0/18

Left In: 474.585 $\pm$ 3.105 χ^2 /NDF: 323.8/11

Left: 445.716 $\pm$ 2.133 χ^2 /NDF: 3617.1/25

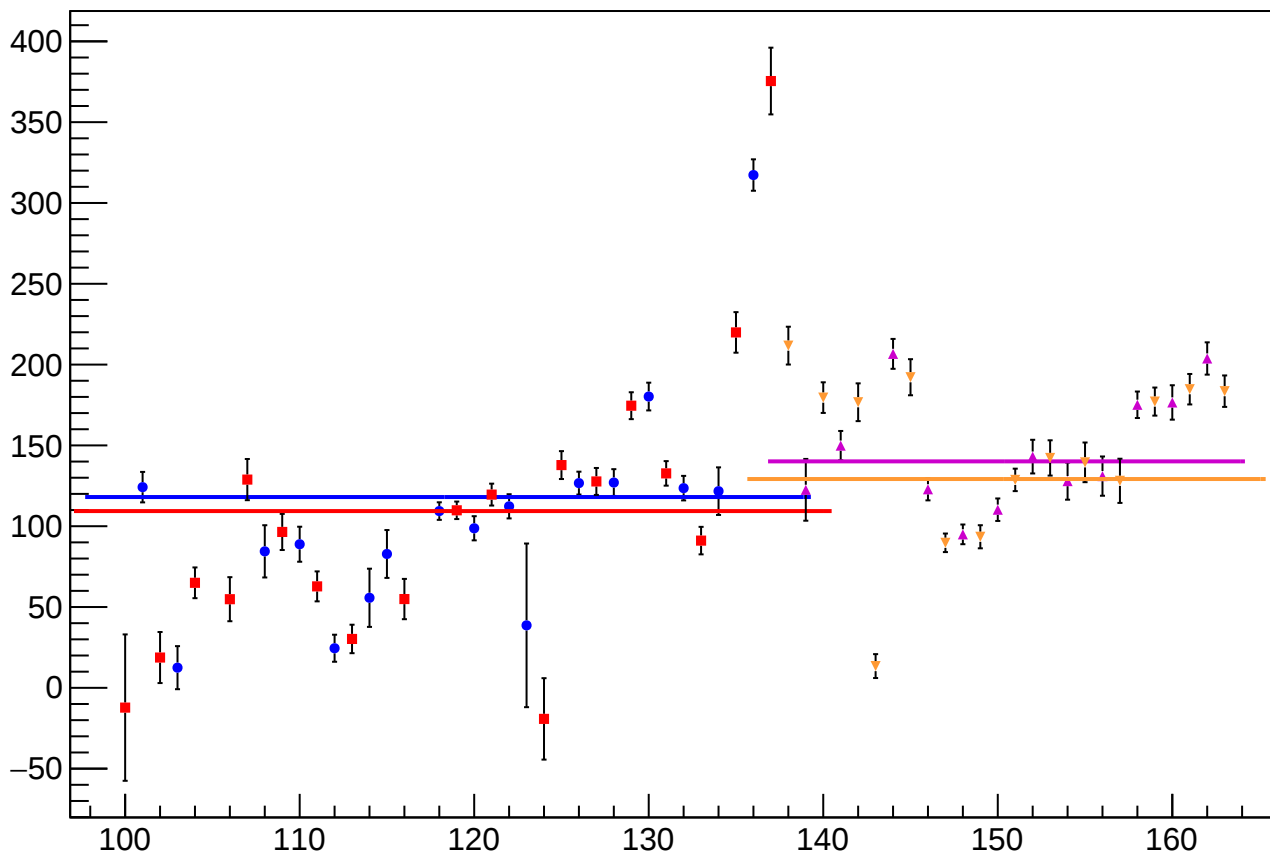
Right: 476.038 $\pm$ 2.542 χ^2 /NDF: 3914.6/35

In: 476.154 $\pm$ 2.368 χ^2 /NDF: 1953.2/28

Out: 441.983 $\pm$ 2.257 χ^2 /NDF: 5552.9/32

All: 458.243 $\pm$ 1.634 χ^2 /NDF: 7615.2/61

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 118.055 $\pm$ 2.225 χ^2 /NDF: 705.3/16

Left Out: 129.200 $\pm$ 2.369 χ^2 /NDF: 542.1/13

Right Out: 109.367 $\pm$ 2.205 χ^2 /NDF: 569.8/18

Left In: 140.121 $\pm$ 2.559 χ^2 /NDF: 205.8/11

Left: 134.240 $\pm$ 1.738 χ^2 /NDF: 757.8/25

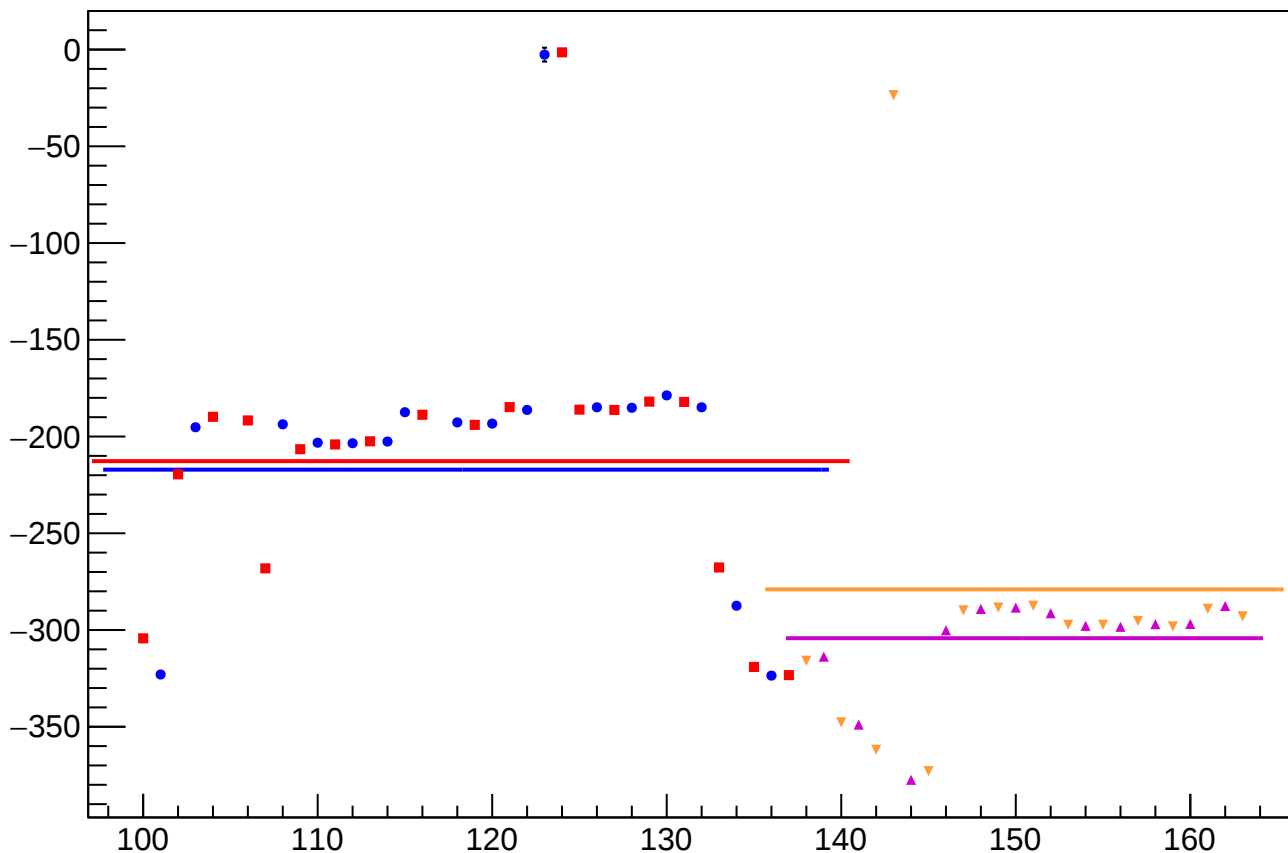
Right: 113.671 $\pm$ 1.566 χ^2 /NDF: 1282.8/35

In: 127.557 $\pm$ 1.679 χ^2 /NDF: 953.5/28

Out: 118.573 $\pm$ 1.614 χ^2 /NDF: 1149.5/32

All: 122.887 $\pm$ 1.164 χ^2 /NDF: 2117.8/61

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -217.120 $\pm$ 0.137 χ^2 /NDF: 146559.7/16

Left Out: -278.989 $\pm$ 0.118 χ^2 /NDF: 544963.8/13

Right Out: -212.715 $\pm$ 0.130 χ^2 /NDF: 115566.2/18

Left In: -304.238 $\pm$ 0.123 χ^2 /NDF: 37470.8/11

Left: -291.043 $\pm$ 0.085 χ^2 /NDF: 604290.9/25

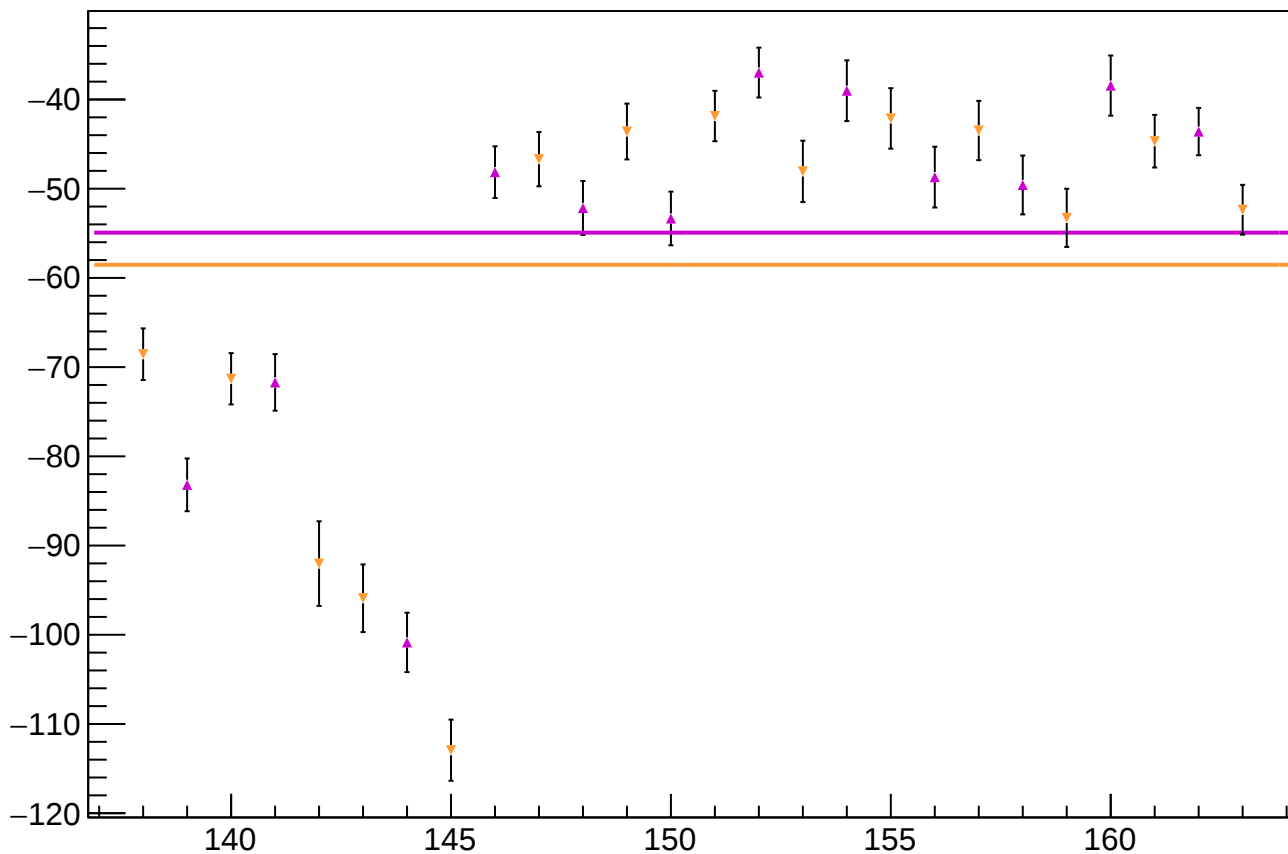
Right: -214.812 $\pm$ 0.094 χ^2 /NDF: 262670.9/35

In: -265.062 $\pm$ 0.092 χ^2 /NDF: 407939.1/28

Out: -249.094 $\pm$ 0.087 χ^2 /NDF: 802800.8/32

All: -256.707 $\pm$ 0.063 χ^2 /NDF: 1226643.7/61

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



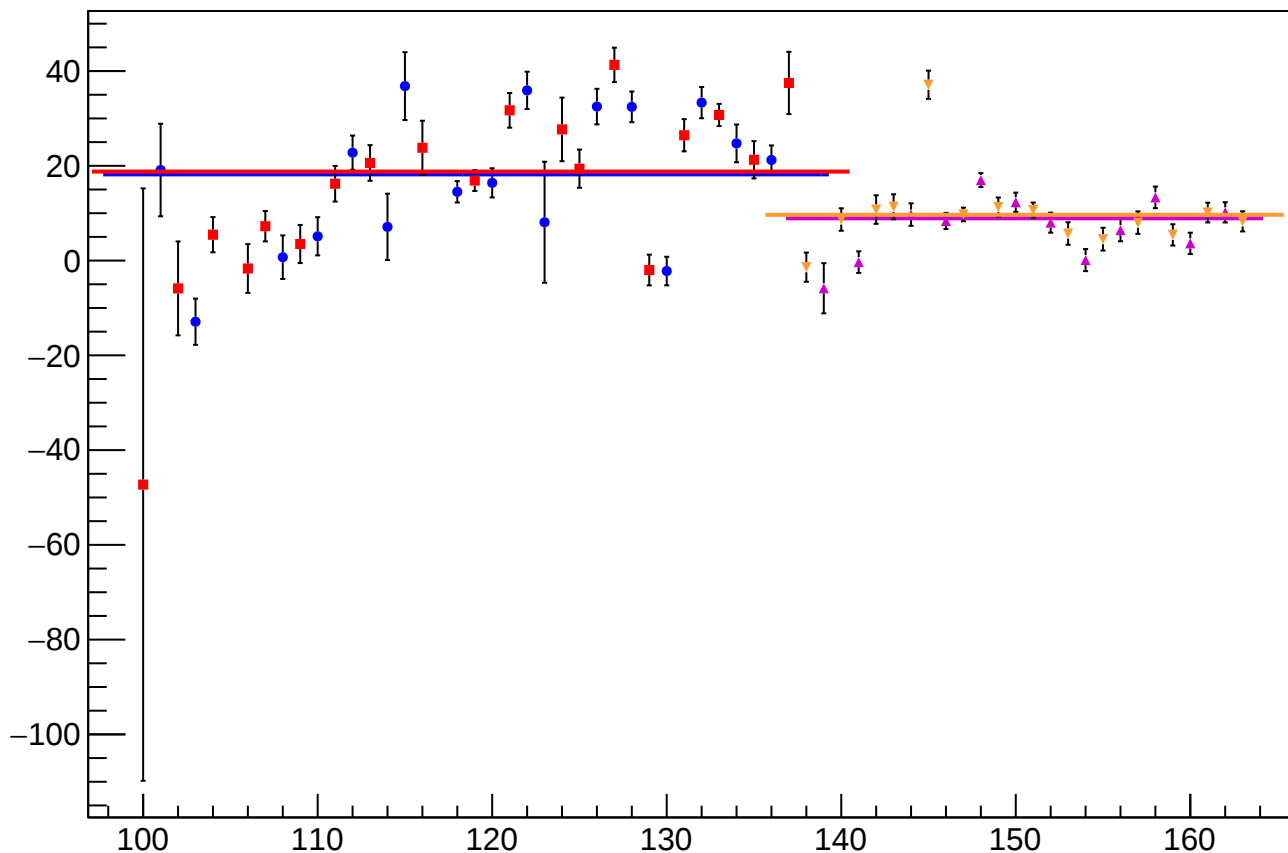
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -58.532+/-0.853 χ^2/NDF :586.2/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -54.924+/-0.889 χ^2/NDF :427.7/11

Left: -56.803+/-0.615 χ^2/NDF : 1022.5/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -54.924+/-0.889 χ^2/NDF :427.7/11
 Out: -58.532+/-0.853 χ^2/NDF :586.2/13

All: -56.803+/-0.615 χ^2/NDF : 1022.5/25

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.188 ± 0.917 χ^2/NDF : 204.9/16

Left Out: 9.668 ± 0.583 χ^2/NDF : 111.3/13

Right Out: 18.791 ± 0.863 χ^2/NDF : 198.8/18

Left In: 8.918 ± 0.614 χ^2/NDF : 82.6/11

Left: 9.313 ± 0.423 χ^2/NDF : 194.7/25

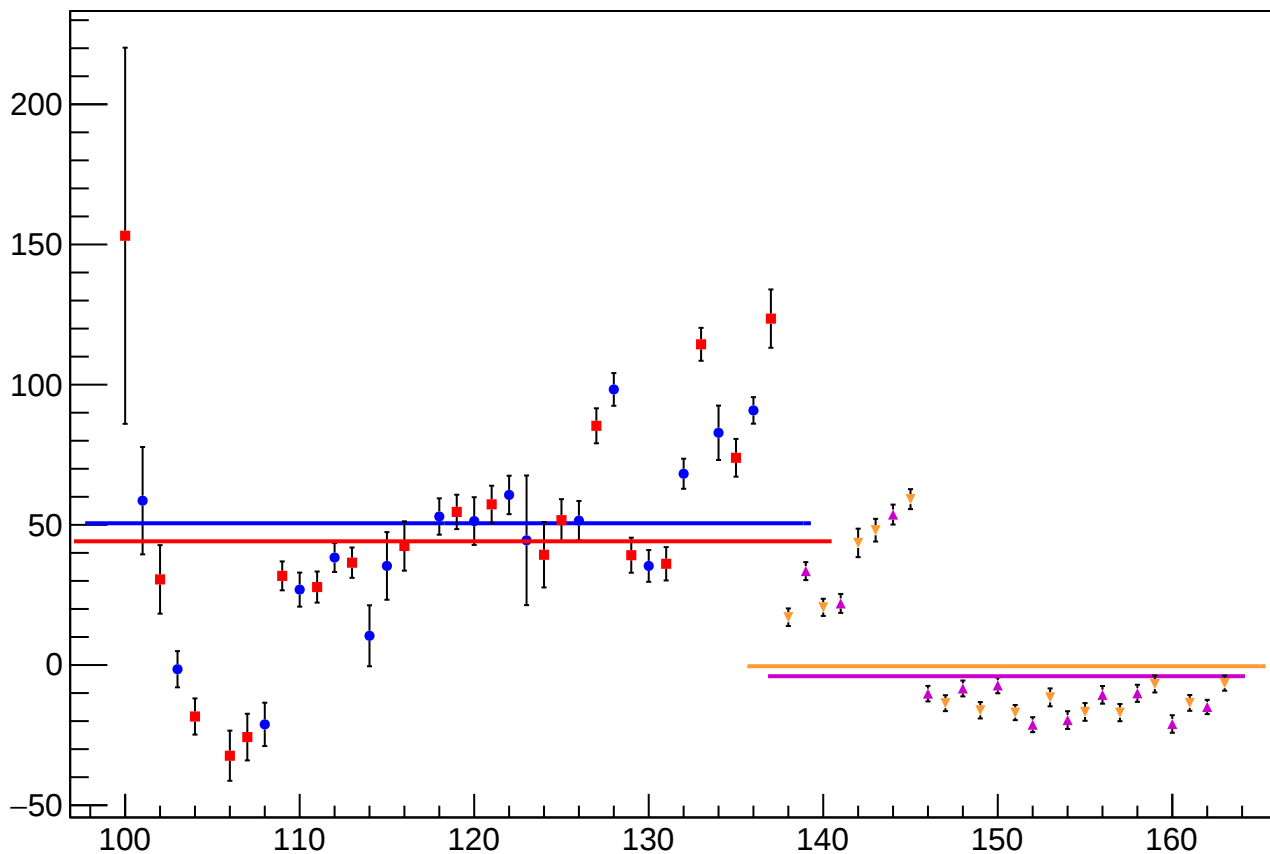
Right: 18.508 ± 0.628 χ^2/NDF : 403.9/35

In: 11.787 ± 0.510 χ^2/NDF : 358.0/28

Out: 12.527 ± 0.483 χ^2/NDF : 386.8/32

All: 12.177 ± 0.351 χ^2/NDF : 746.0/61

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 50.565 $\pm$ 1.678 χ^2 /NDF: 357.9/16

Left Out: -0.429 $\pm$ 0.833 χ^2 /NDF: 763.5/13

Right Out: 44.132 $\pm$ 1.603 χ^2 /NDF: 532.5/18

Left In: -3.988 $\pm$ 0.861 χ^2 /NDF: 589.9/11

Left: -2.148 $\pm$ 0.599 χ^2 /NDF: 1362.2/25

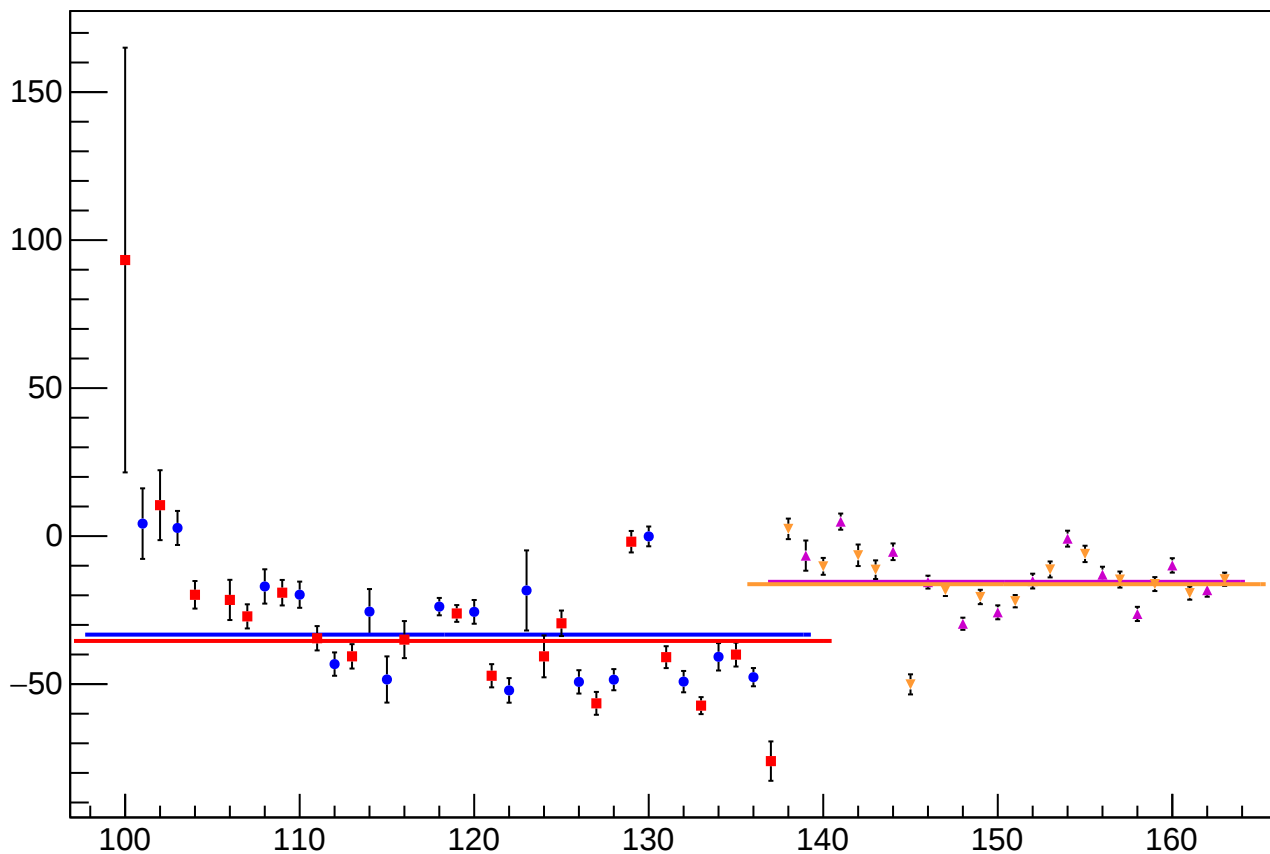
Right: 47.201 $\pm$ 1.159 χ^2 /NDF: 898.2/35

In: 7.390 $\pm$ 0.766 χ^2 /NDF: 1784.7/28

Out: 9.043 $\pm$ 0.739 χ^2 /NDF: 1904.9/32

All: 8.247 $\pm$ 0.532 χ^2 /NDF: 3692.1/61

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -16.243 ± 0.689 χ^2/NDF : 174.0/13

Right Out: -35.417 ± 0.991 χ^2/NDF : 289.7/18

Left In: -15.447 ± 0.724 χ^2/NDF : 195.6/11

Left: -15.864 ± 0.499 χ^2/NDF : 370.2/25

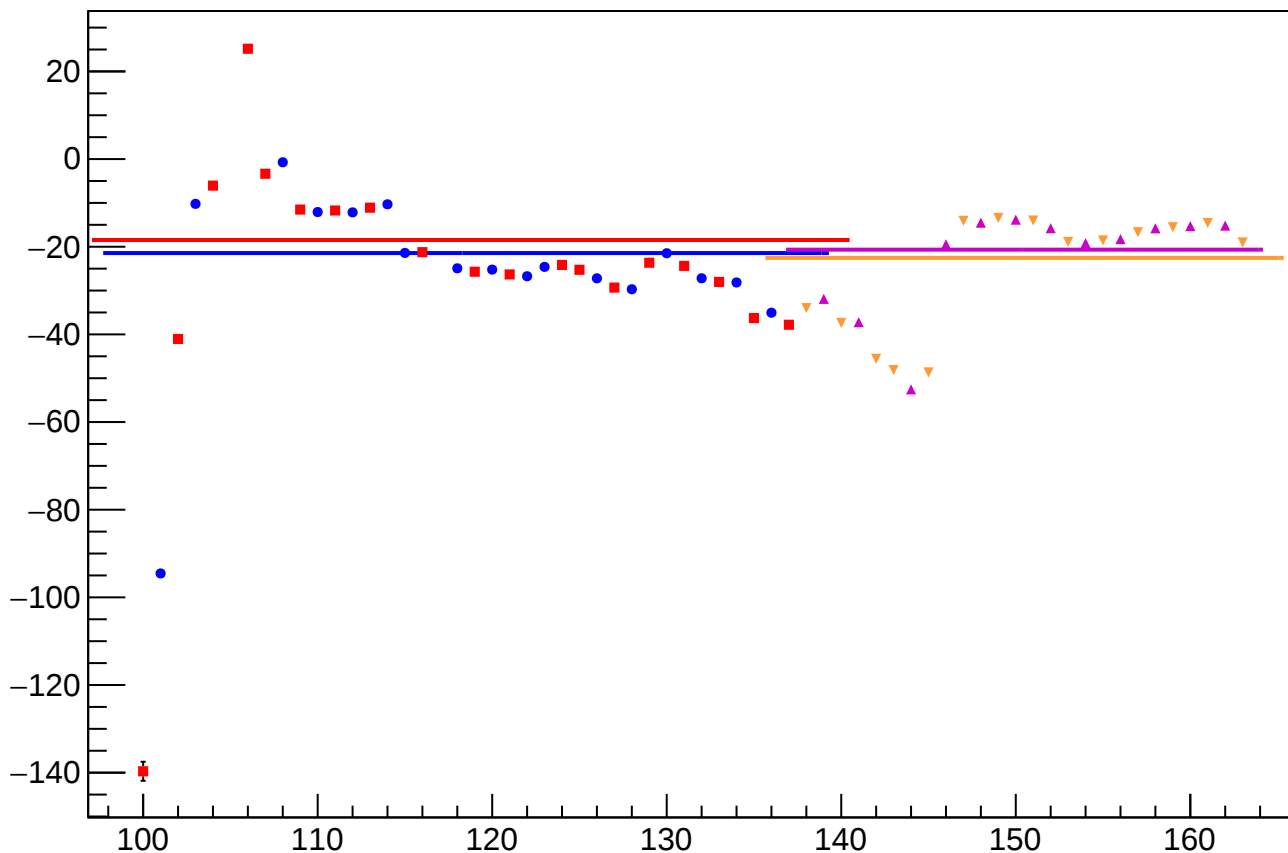
Right: -34.404 ± 0.719 χ^2/NDF : 582.0/35

In: -21.238 ± 0.595 χ^2/NDF : 683.0/28

Out: -22.485 ± 0.566 χ^2/NDF : 716.0/32

All: -21.893 ± 0.410 χ^2/NDF : 1401.3/61

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: -22.543 ± 0.033 $\chi^2/\text{NDF}: 124543.4/13$

Right Out: -18.463 ± 0.057 $\chi^2/\text{NDF}: 80470.6/18$

Left In: -20.668 ± 0.033 $\chi^2/\text{NDF}: 82655.5/11$

Left: -21.633 ± 0.023 $\chi^2/\text{NDF}: 208812.0/25$

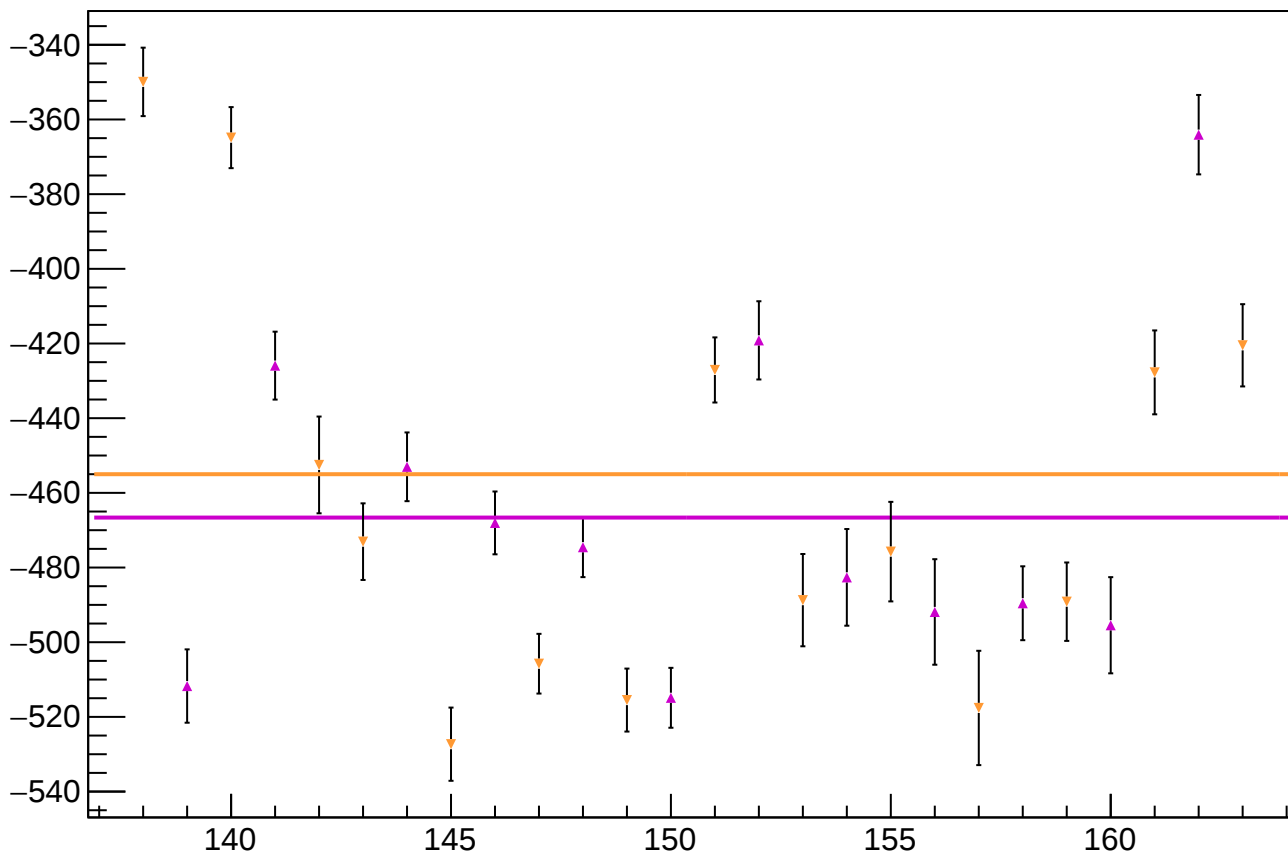
Right: -19.914 ± 0.041 $\chi^2/\text{NDF}: 130751.2/35$

In: -20.857 ± 0.029 $\chi^2/\text{NDF}: 131754.4/28$

Out: -21.552 ± 0.028 $\chi^2/\text{NDF}: 208839.4/32$

All: -21.215 ± 0.020 $\chi^2/\text{NDF}: 340886.6/61$

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -455.002+/-2.699 χ^2/NDF :465.4/13

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

Left In: -466.619+/-2.832 χ^2/NDF :209.1/11

Left: -460.531+/-1.954 χ^2/NDF : 683.3/25

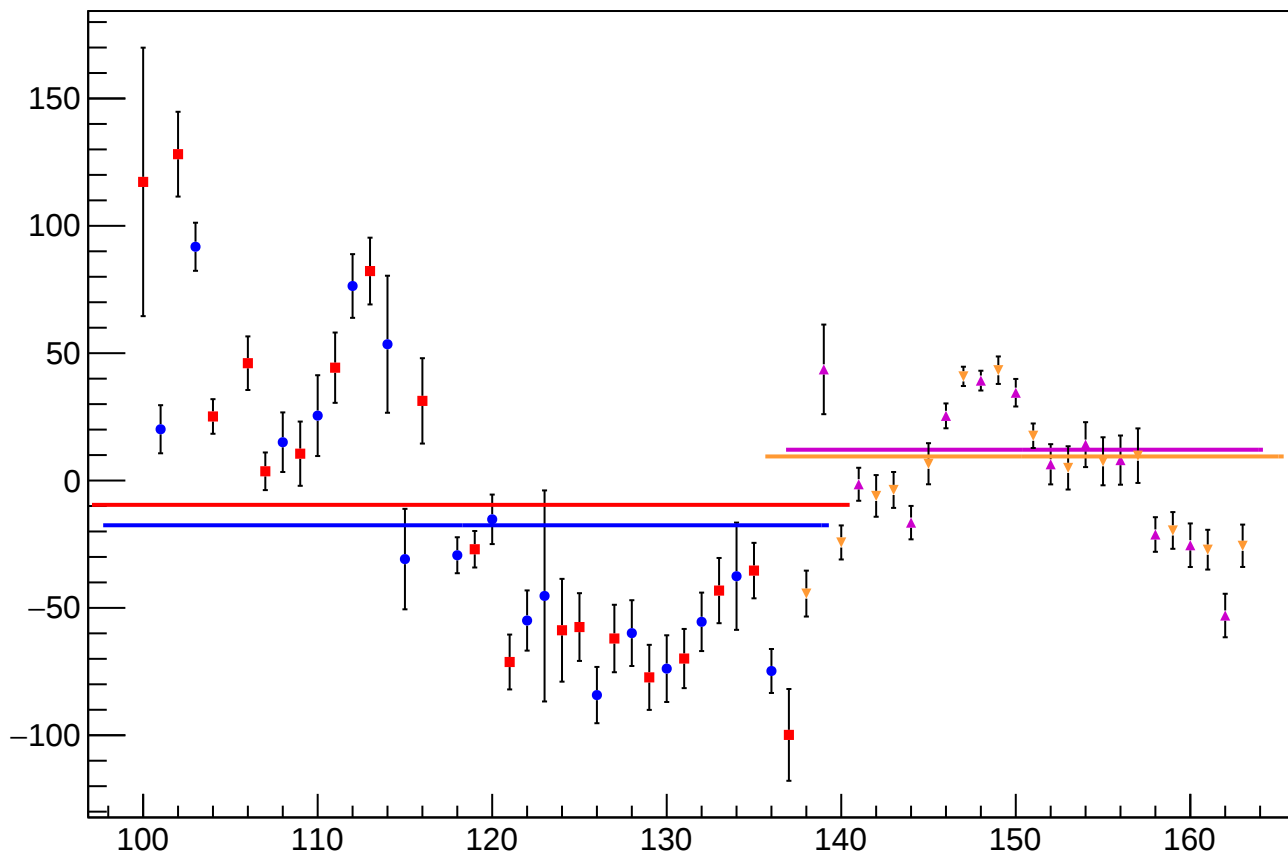
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -466.619+/-2.832 χ^2/NDF :209.1/11

Out: -455.002+/-2.699 χ^2/NDF :465.4/13

All: -460.531+/-1.954 χ^2/NDF : 683.3/25

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -17.564 ± 2.820 χ^2/NDF : 363.7/16

Left Out: 9.458 ± 1.778 χ^2/NDF : 235.8/13

Right Out: -9.547 ± 2.609 χ^2/NDF : 370.3/18

Left In: 12.101 ± 1.885 χ^2/NDF : 202.0/11

Left: 10.702 ± 1.293 χ^2/NDF : 438.9/25

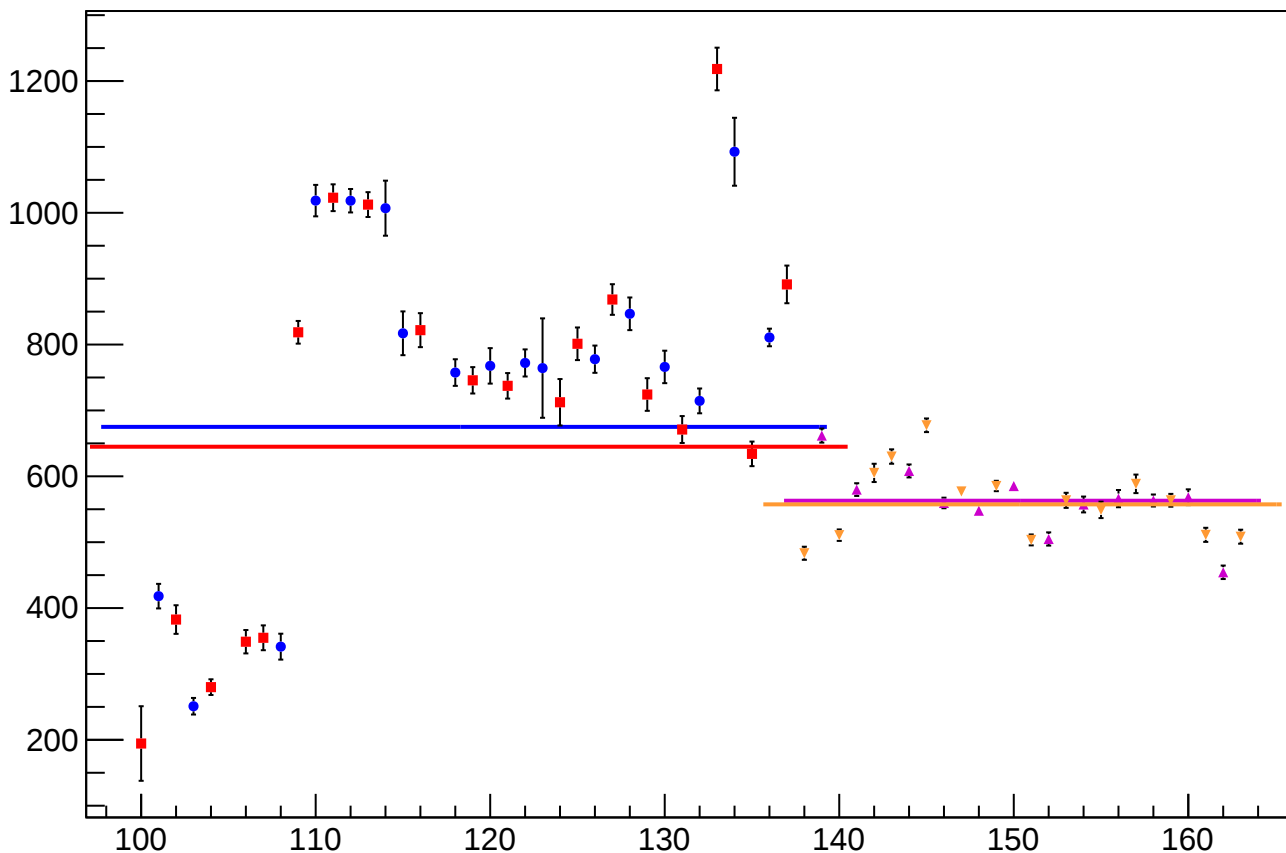
Right: -13.243 ± 1.915 χ^2/NDF : 738.4/35

In: 2.942 ± 1.567 χ^2/NDF : 642.3/28

Out: 3.428 ± 1.469 χ^2/NDF : 642.3/32

All: 3.201 ± 1.072 χ^2/NDF : 1284.6/61

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 675.045 $\pm$ 5.067 χ^2 /NDF: 2584.3/16

Left Out: 557.425 $\pm$ 2.654 χ^2 /NDF: 382.8/13

Right Out: 644.915 $\pm$ 4.761 χ^2 /NDF: 3122.2/18

Left In: 562.942 $\pm$ 2.753 χ^2 /NDF: 270.0/11

Left: 560.083 $\pm$ 1.911 χ^2 /NDF: 654.9/25

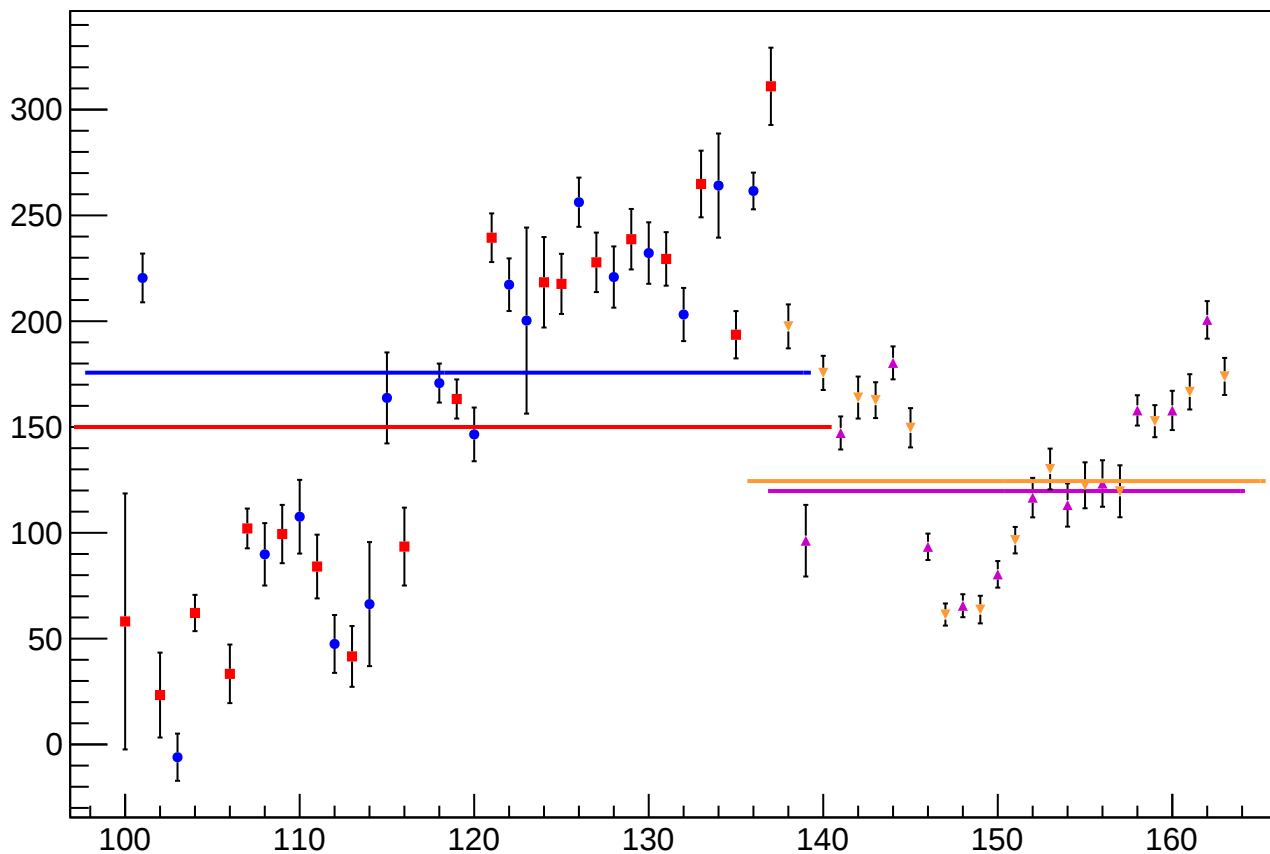
Right: 659.042 $\pm$ 3.470 χ^2 /NDF: 5725.3/35

In: 588.486 $\pm$ 2.419 χ^2 /NDF: 3232.2/28

Out: 578.164 $\pm$ 2.318 χ^2 /NDF: 3762.6/32

All: 583.106 $\pm$ 1.674 χ^2 /NDF: 7004.3/61

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 175.686 $\pm$ 3.239 χ^2 /NDF: 637.9/16

Left Out: 124.446 $\pm$ 2.148 χ^2 /NDF: 457.3/13

Right Out: 150.017 $\pm$ 3.042 χ^2 /NDF: 693.8/18

Left In: 119.752 $\pm$ 2.268 χ^2 /NDF: 360.3/11

Left: 122.226 $\pm$ 1.560 χ^2 /NDF: 819.9/25

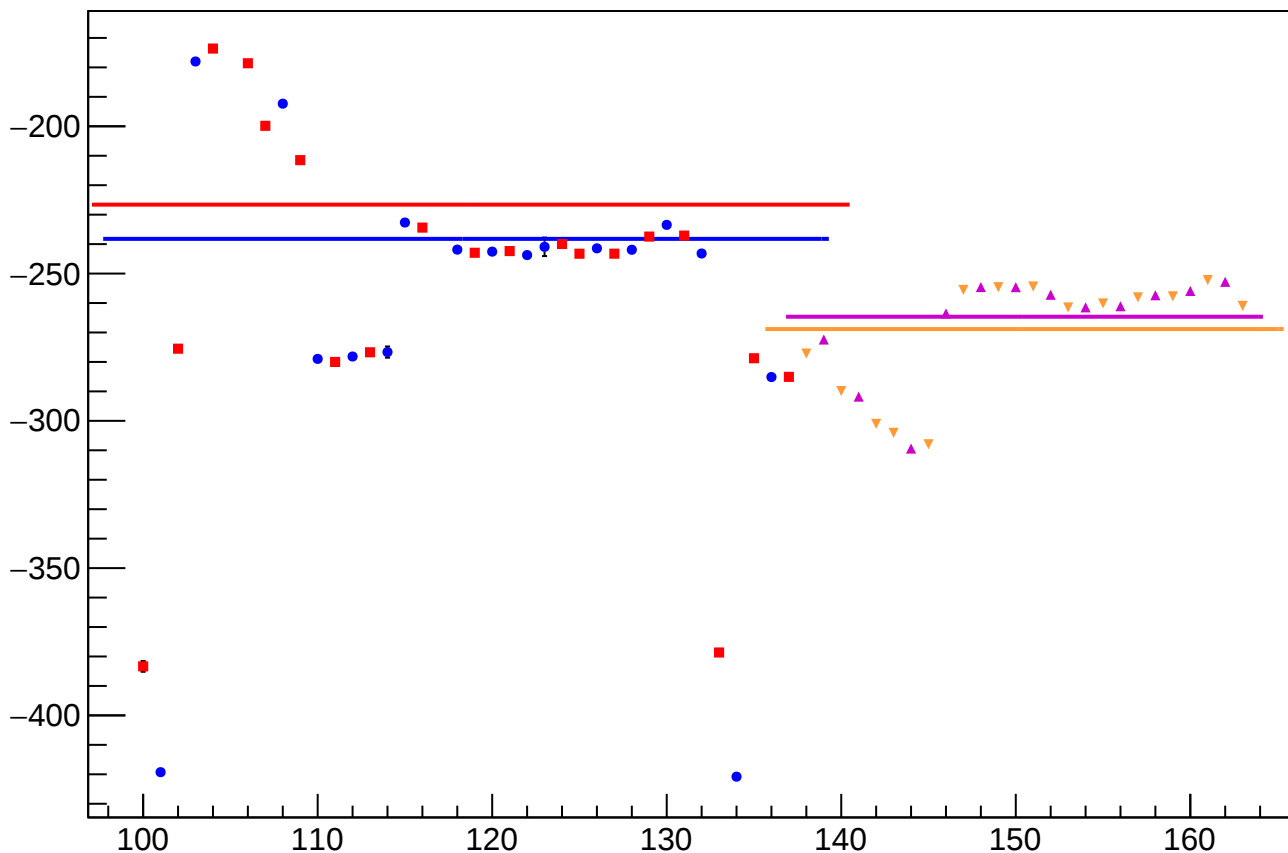
Right: 162.048 $\pm$ 2.217 χ^2 /NDF: 1365.0/35

In: 138.152 $\pm$ 1.858 χ^2 /NDF: 1198.4/28

Out: 132.956 $\pm$ 1.755 χ^2 /NDF: 1198.2/32

All: 135.407 $\pm$ 1.276 χ^2 /NDF: 2400.7/61

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.217+/-0.160 χ^2/NDF : 167120.0/16

Left Out: -268.839+/-0.107 χ^2/NDF :31534.8/13

Right Out: -226.597+/-0.151 χ^2/NDF : 102562.3/18

Left In: -264.655+/-0.109 χ^2/NDF :20247.1/11

Left: -266.800+/-0.076 χ^2/NDF : 52531.6/25

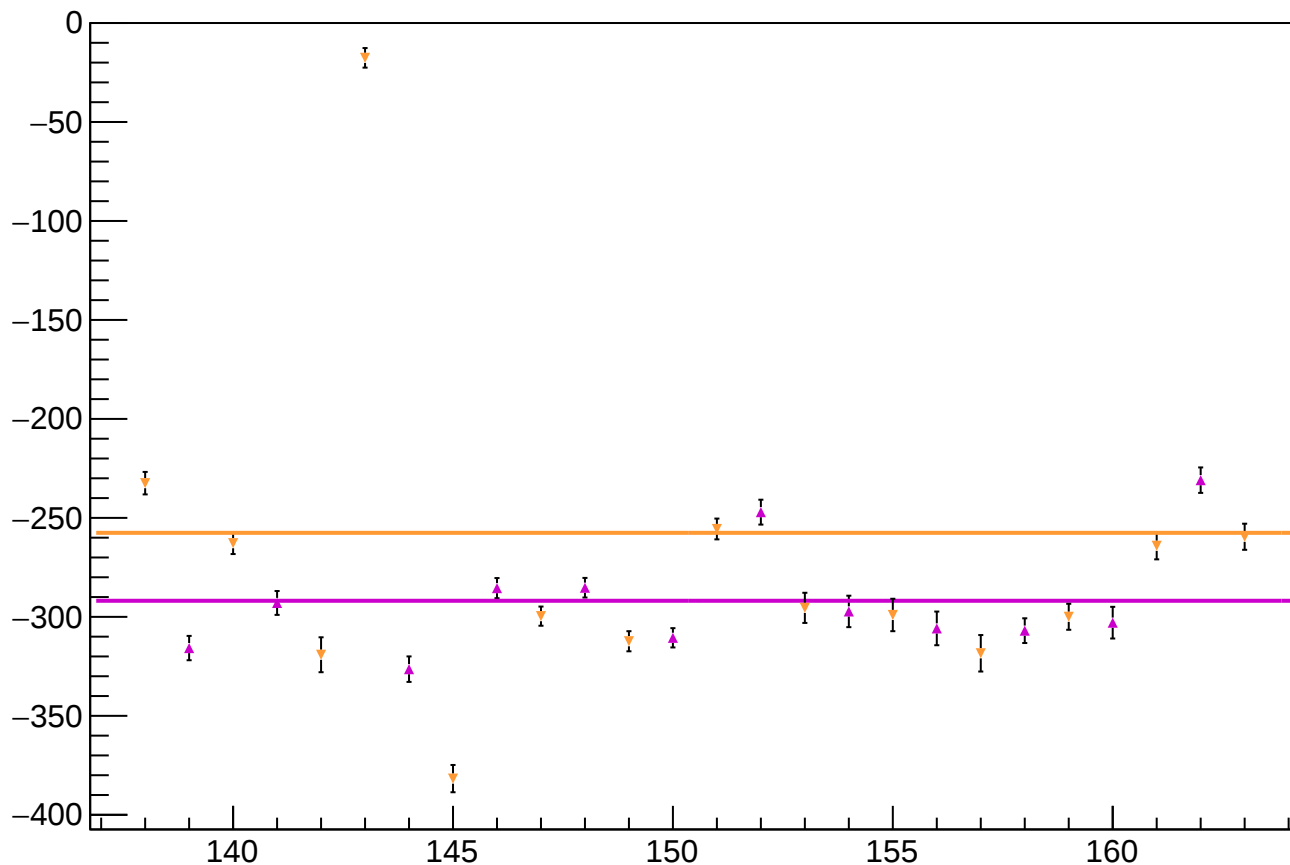
Right: -232.063+/-0.110 χ^2/NDF : 272459.7/35

In: -256.266+/-0.090 χ^2/NDF :205901.2/28

Out: -254.806+/-0.087 χ^2/NDF :186200.8/32

All: -255.510+/-0.063 χ^2/NDF : 392237.1/61

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: -257.550+/-1.649 χ^2/NDF :3075.9/13

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

Left In: -291.873+/-1.768 χ^2/NDF :213.4/11

Left: -273.517+/-1.206 χ^2/NDF : 3490.9/25

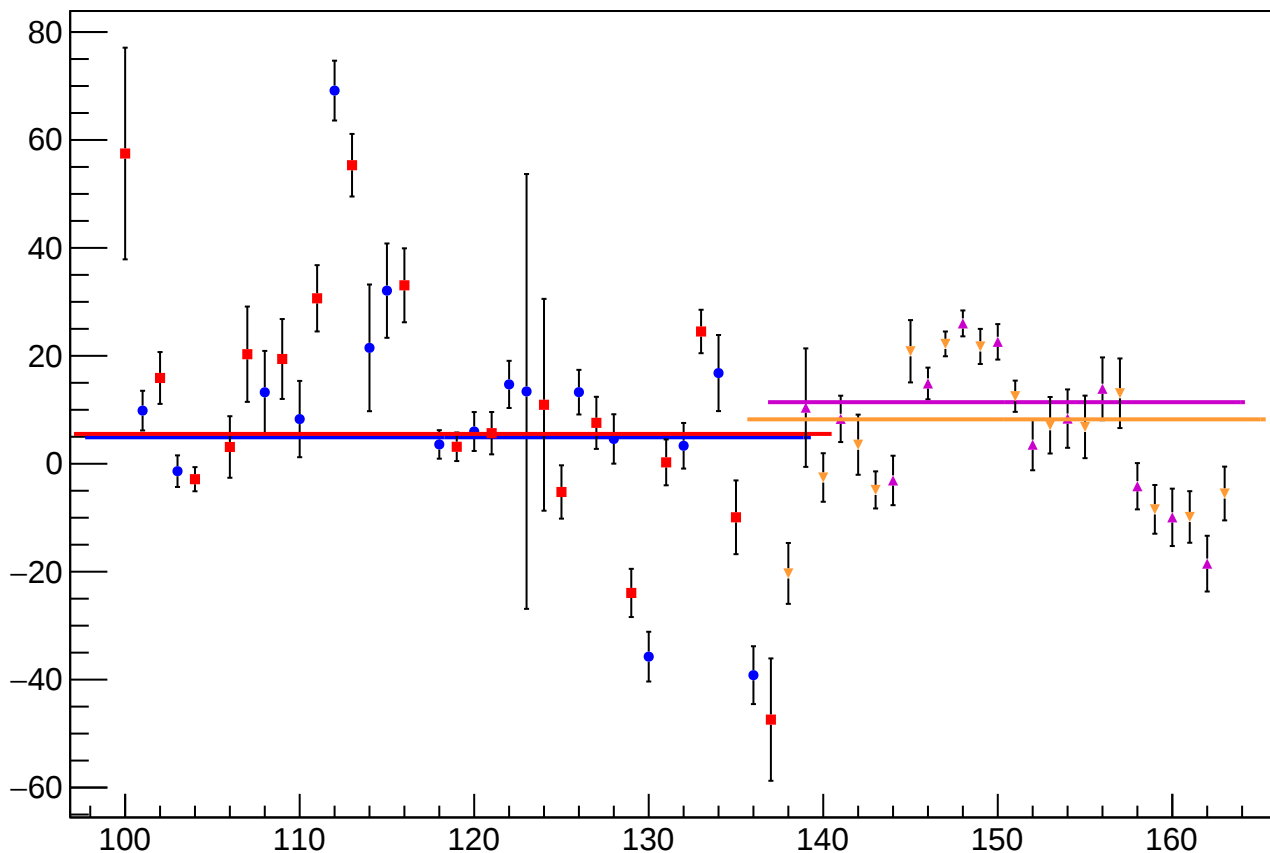
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -291.873+/-1.768 χ^2/NDF :213.4/11

Out: -257.550+/-1.649 χ^2/NDF :3075.9/13

All: -273.517+/-1.206 χ^2/NDF : 3490.9/25

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: 8.231 ± 1.082 $\chi^2/\text{NDF}: 144.1/13$

Right Out: 5.530 ± 1.069 $\chi^2/\text{NDF}: 238.9/18$

Left In: 11.411 ± 1.172 $\chi^2/\text{NDF}: 126.6/11$

Left: 9.694 ± 0.795 $\chi^2/\text{NDF}: 274.7/25$

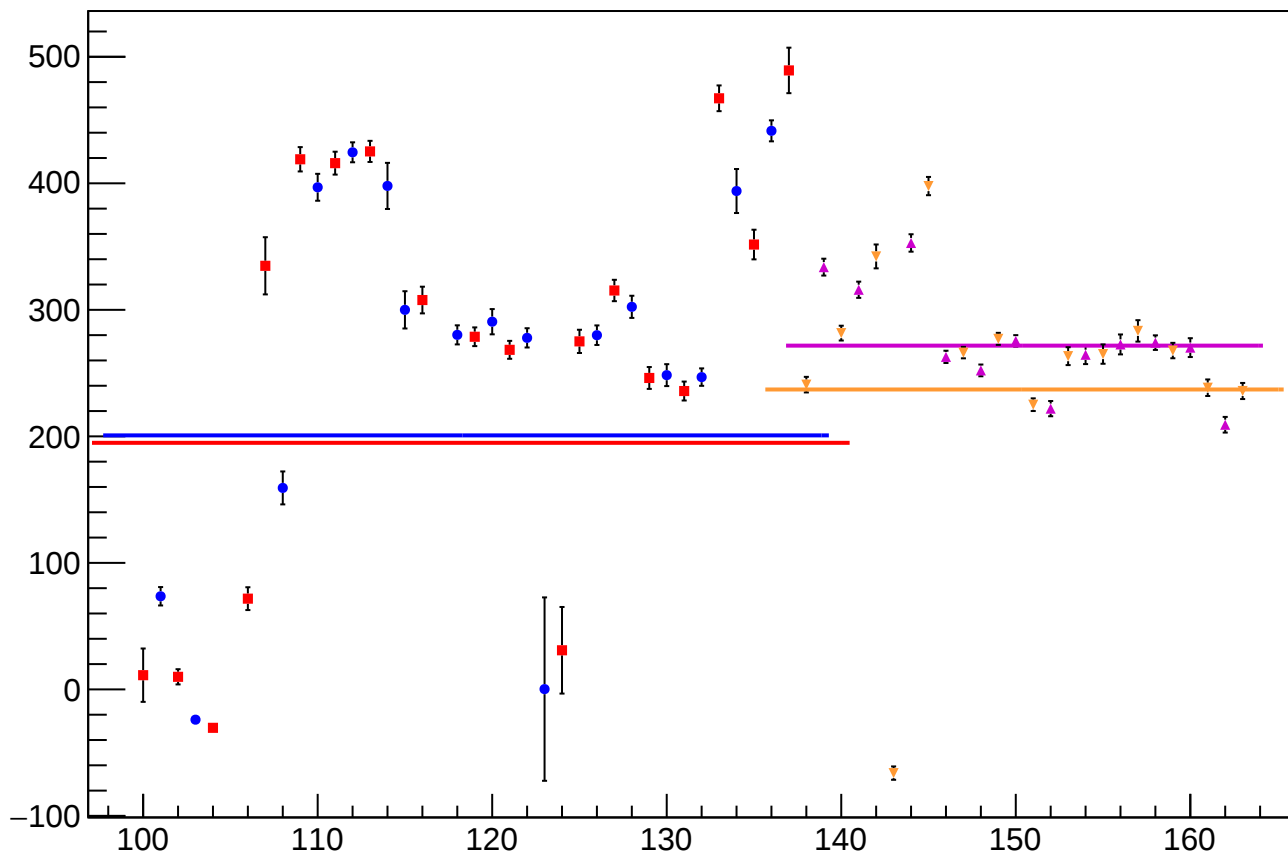
Right: 5.228 ± 0.768 $\chi^2/\text{NDF}: 550.7/35$

In: 7.967 ± 0.804 $\chi^2/\text{NDF}: 454.6/28$

Out: 6.864 ± 0.760 $\chi^2/\text{NDF}: 386.2/32$

All: 7.385 ± 0.552 $\chi^2/\text{NDF}: 841.7/61$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 200.773 $\pm$ 1.983 χ^2 /NDF: 6733.0/16

Left Out: 237.048 $\pm$ 1.620 χ^2 /NDF: 4176.6/13

Right Out: 194.892 $\pm$ 1.924 χ^2 /NDF: 8247.1/18

Left In: 271.707 $\pm$ 1.712 χ^2 /NDF: 466.3/11

Left: 253.418 $\pm$ 1.177 χ^2 /NDF: 4859.1/25

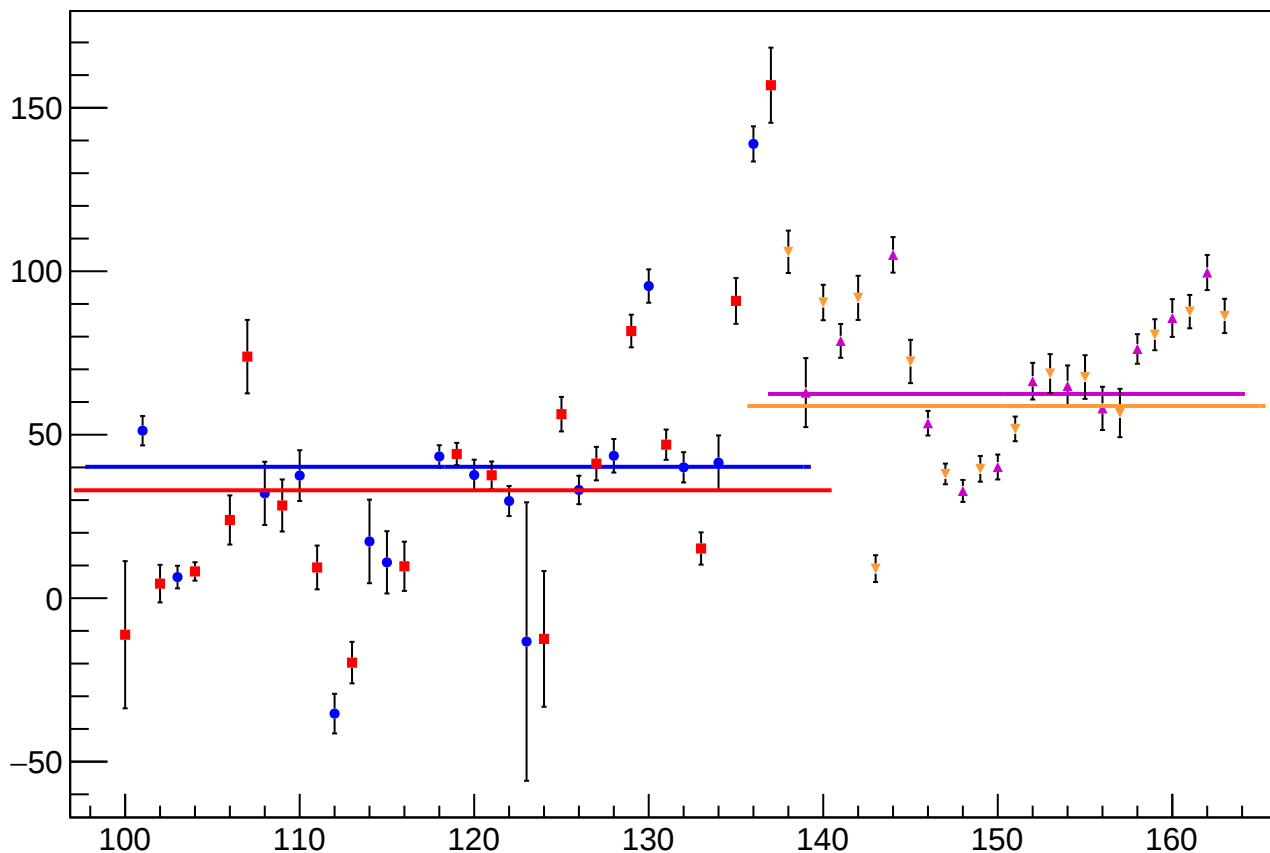
Right: 197.743 $\pm$ 1.381 χ^2 /NDF: 14984.6/35

In: 241.413 $\pm$ 1.296 χ^2 /NDF: 7932.2/28

Out: 219.559 $\pm$ 1.239 χ^2 /NDF: 12704.7/32

All: 229.995 $\pm$ 0.896 χ^2 /NDF: 20785.4/61

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 40.185 ± 1.283 $\chi^2/\text{NDF}: 734.6/16$

Left Out: 58.791 ± 1.307 $\chi^2/\text{NDF}: 417.7/13$

Right Out: 33.006 ± 1.250 $\chi^2/\text{NDF}: 552.7/18$

Left In: 62.469 ± 1.412 $\chi^2/\text{NDF}: 263.5/11$

Left: 60.490 ± 0.959 $\chi^2/\text{NDF}: 684.9/25$

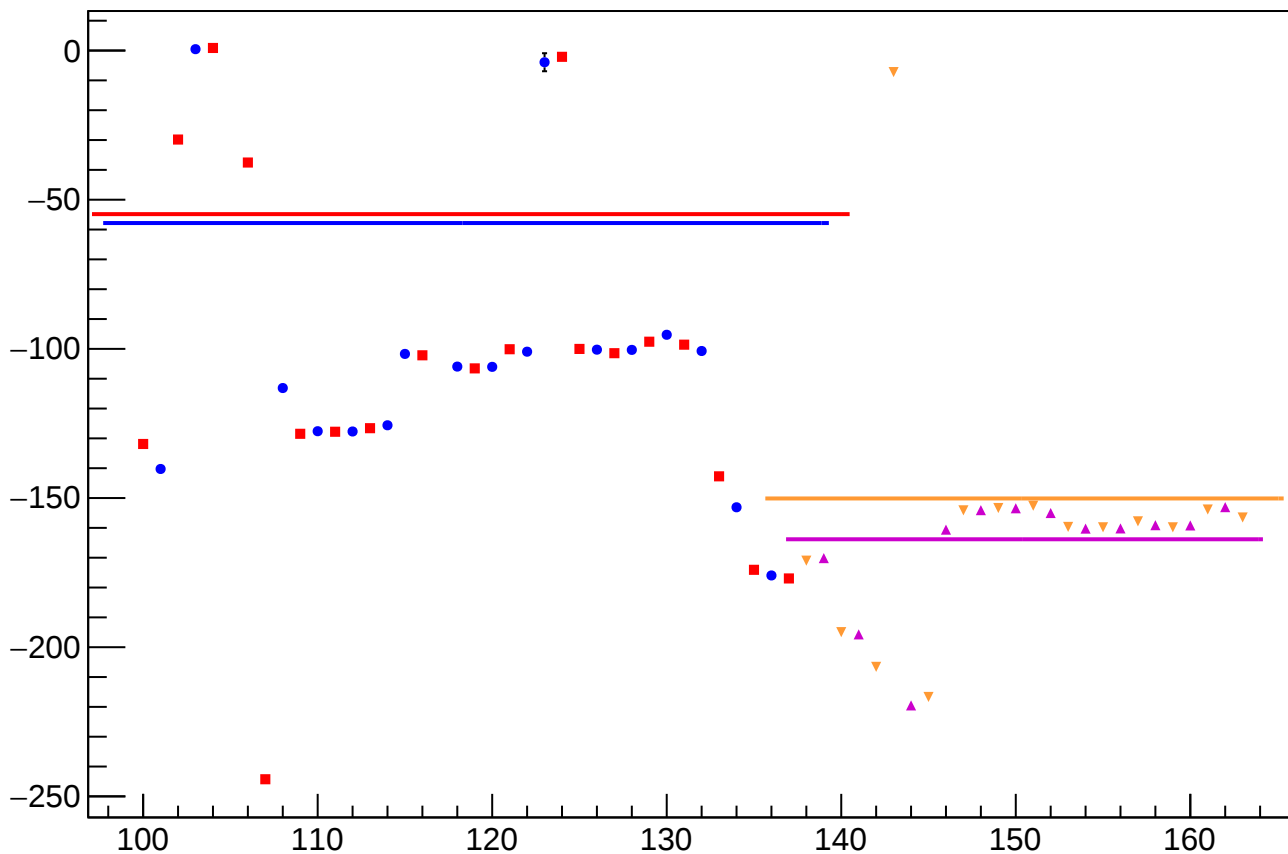
Right: 36.503 ± 0.896 $\chi^2/\text{NDF}: 1303.3/35$

In: 50.268 ± 0.949 $\chi^2/\text{NDF}: 1134.6/28$

Out: 45.323 ± 0.904 $\chi^2/\text{NDF}: 1173.6/32$

All: 47.673 ± 0.655 $\chi^2/\text{NDF}: 2322.4/61$

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -57.821 ± 0.062 $\chi^2/\text{NDF}: 1101296.2/16$

Left Out: -150.142 ± 0.065 $\chi^2/\text{NDF}: 579579.9/13$

Right Out: -54.833 ± 0.060 $\chi^2/\text{NDF}: 1000741.7/18$

Left In: -163.822 ± 0.068 $\chi^2/\text{NDF}: 59814.8/11$

Left: -156.681 ± 0.047 $\chi^2/\text{NDF}: 660529.8/25$

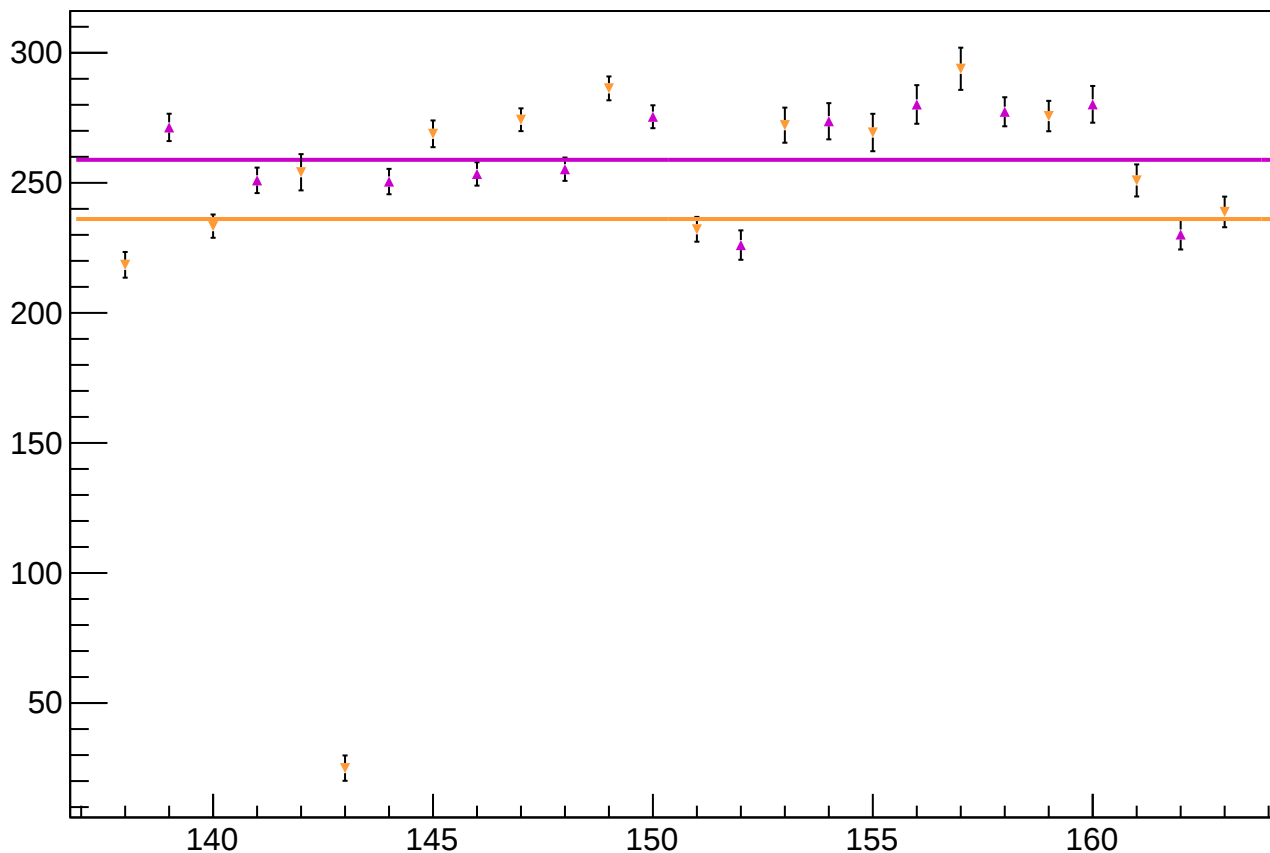
Right: -56.289 ± 0.043 $\chi^2/\text{NDF}: 2103236.7/35$

In: -105.774 ± 0.046 $\chi^2/\text{NDF}: 2492503.6/28$

Out: -98.822 ± 0.044 $\chi^2/\text{NDF}: 2735952.3/32$

All: -102.180 ± 0.032 $\chi^2/\text{NDF}: 5240403.9/61$

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: 236.098+/-1.449 χ^2/NDF :2288.9/13

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

Left In: 258.852+/-1.537 χ^2/NDF :118.7/11

Left: 246.804+/-1.055 χ^2/NDF : 2523.5/25

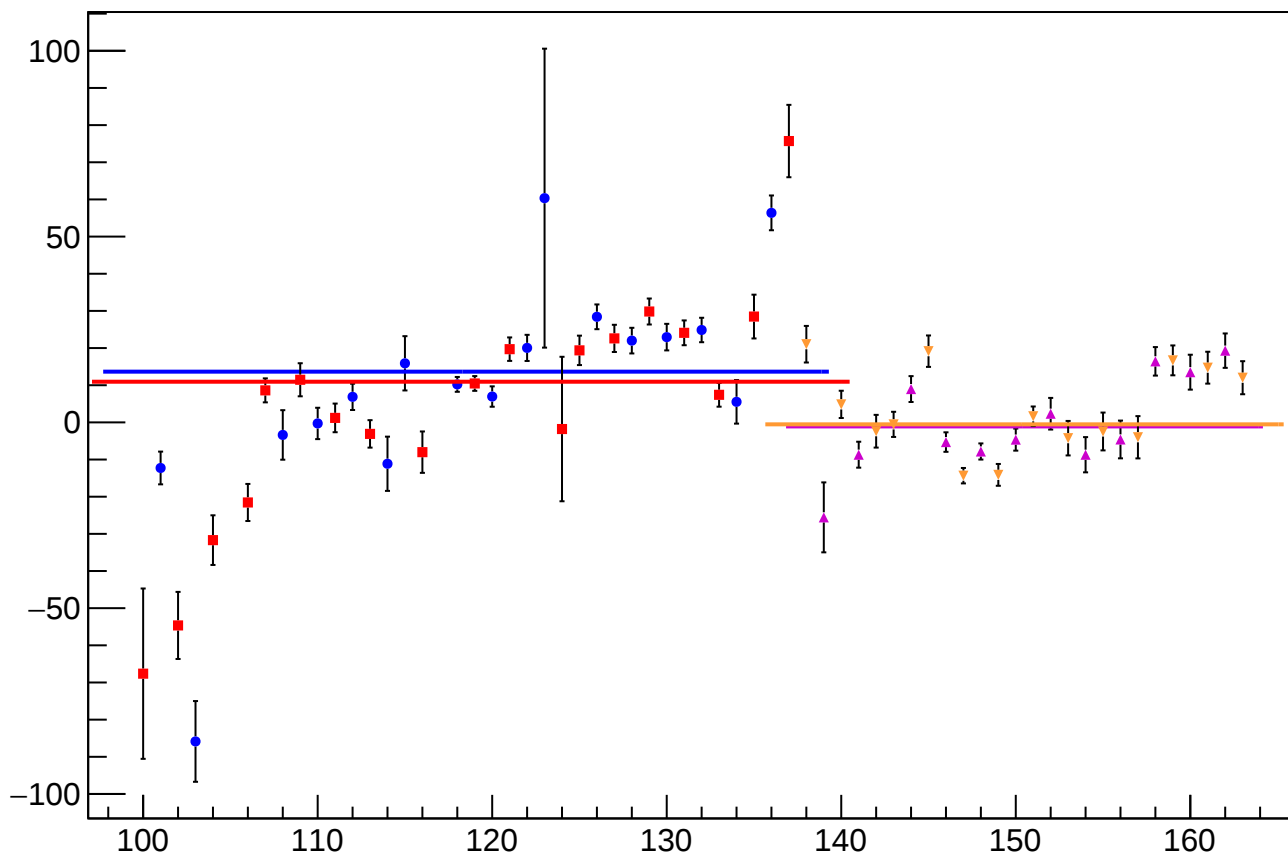
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 258.852+/-1.537 χ^2/NDF :118.7/11

Out: 236.098+/-1.449 χ^2/NDF :2288.9/13

All: 246.804+/-1.055 χ^2/NDF : 2523.5/25

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 13.652 ± 0.936 $\chi^2/\text{NDF}: 294.0/16$

Left Out: -0.528 ± 0.960 $\chi^2/\text{NDF}: 149.7/13$

Right Out: 10.944 ± 0.913 $\chi^2/\text{NDF}: 302.5/18$

Left In: -1.088 ± 1.029 $\chi^2/\text{NDF}: 87.1/11$

Left: -0.788 ± 0.702 $\chi^2/\text{NDF}: 236.9/25$

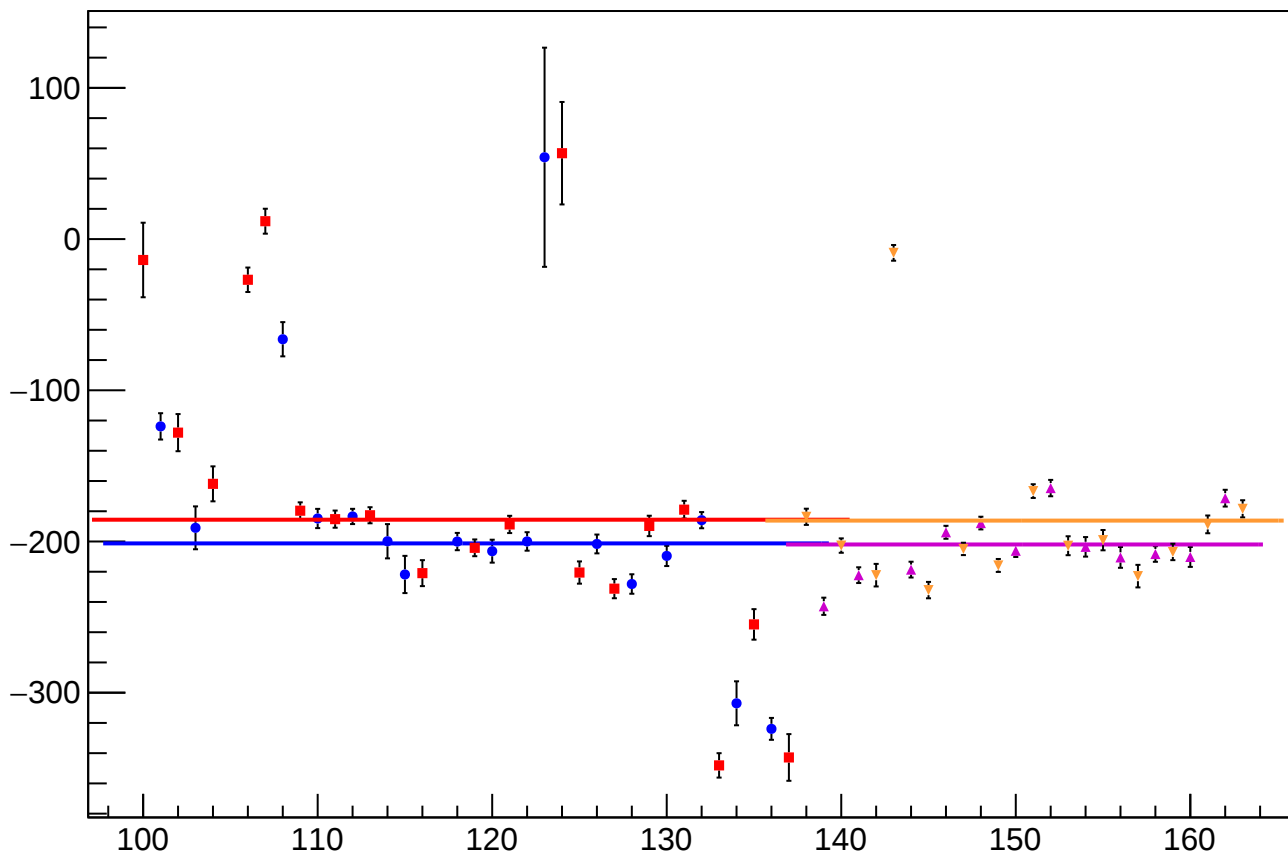
Right: 12.264 ± 0.654 $\chi^2/\text{NDF}: 600.9/35$

In: 6.974 ± 0.692 $\chi^2/\text{NDF}: 493.4/28$

Out: 5.494 ± 0.662 $\chi^2/\text{NDF}: 527.2/32$

All: 6.200 ± 0.478 $\chi^2/\text{NDF}: 1023.0/61$

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: -186.185 ± 1.428 χ^2/NDF : 1406.5/13

Right Out: -185.593 ± 1.699 χ^2/NDF : 1746.0/18

Left In: -201.974 ± 1.496 χ^2/NDF : 175.3/11

Left: -193.714 ± 1.033 χ^2/NDF : 1640.1/25

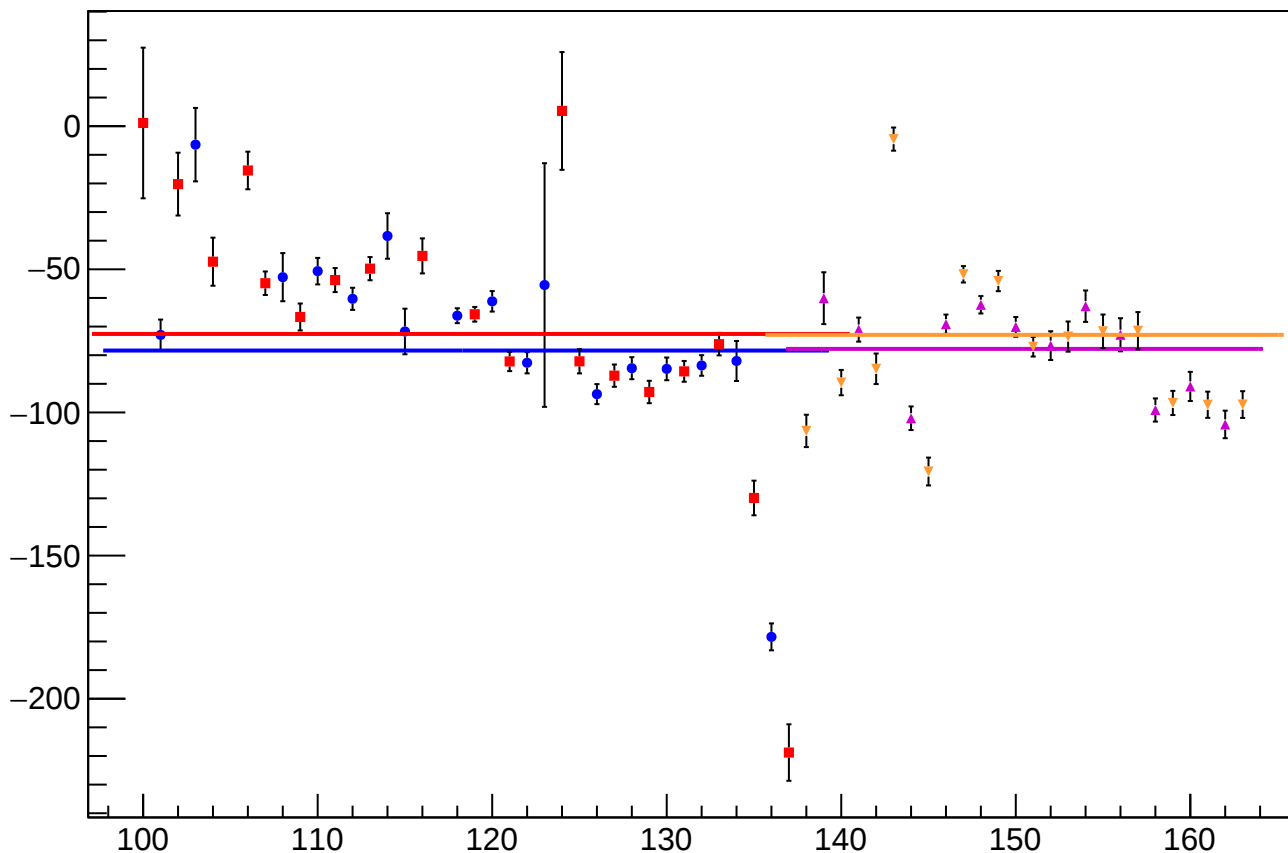
Right: -192.999 ± 1.234 χ^2/NDF : 2409.6/35

In: -201.684 ± 1.149 χ^2/NDF : 798.8/28

Out: -185.940 ± 1.093 χ^2/NDF : 3152.6/32

All: -193.419 ± 0.792 χ^2/NDF : 4049.9/61

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: -72.897 ± 1.158 χ^2/NDF : 608.0/13

Right Out: -72.577 ± 1.052 χ^2/NDF : 605.8/18

Left In: -77.798 ± 1.236 χ^2/NDF : 150.9/11

Left: -75.188 ± 0.845 χ^2/NDF : 767.2/25

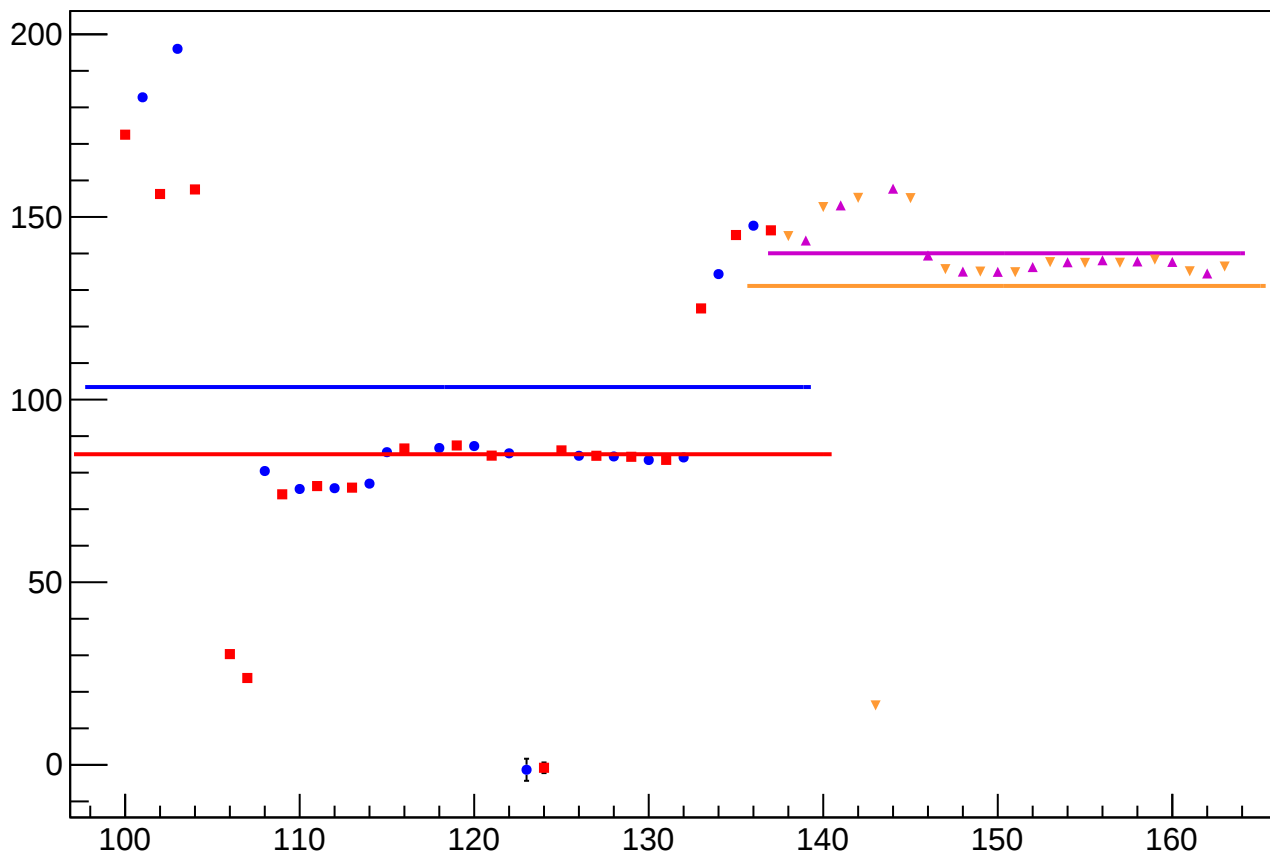
Right: -75.395 ± 0.754 χ^2/NDF : 1272.0/35

In: -78.125 ± 0.814 χ^2/NDF : 802.4/28

Out: -72.722 ± 0.778 χ^2/NDF : 1213.9/32

All: -75.303 ± 0.563 χ^2/NDF : 2039.2/61

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 103.436 $\pm$ 0.071 χ^2 /NDF: 272785.6/16

Left Out: 131.117 $\pm$ 0.057 χ^2 /NDF: 344925.1/13

Right Out: 85.043 $\pm$ 0.064 χ^2 /NDF: 422343.0/18

Left In: 140.055 $\pm$ 0.059 χ^2 /NDF: 13185.1/11

Left: 135.423 $\pm$ 0.041 χ^2 /NDF: 369828.6/25

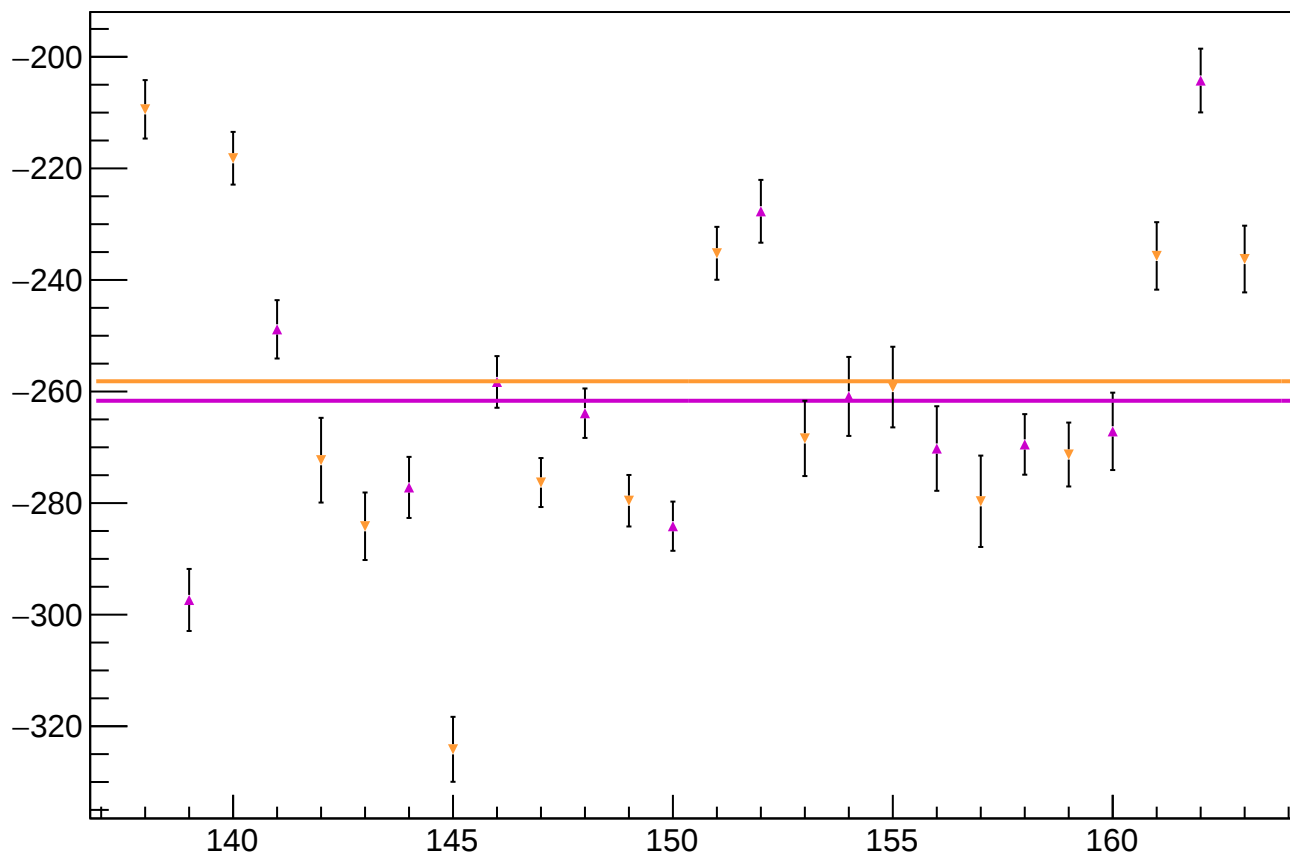
Right: 93.267 $\pm$ 0.047 χ^2 /NDF: 732362.9/35

In: 124.936 $\pm$ 0.046 χ^2 /NDF: 442684.4/28

Out: 110.521 $\pm$ 0.043 χ^2 /NDF: 1056207.2/32

All: 117.251 $\pm$ 0.031 χ^2 /NDF: 1552302.1/61

reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: -258.159 $\pm$ 1.507 χ^2/NDF :412.2/13

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left In: -261.656 $\pm$ 1.570 χ^2/NDF :223.4/11

Left: -259.836 $\pm$ 1.087 χ^2/NDF : 638.2/25

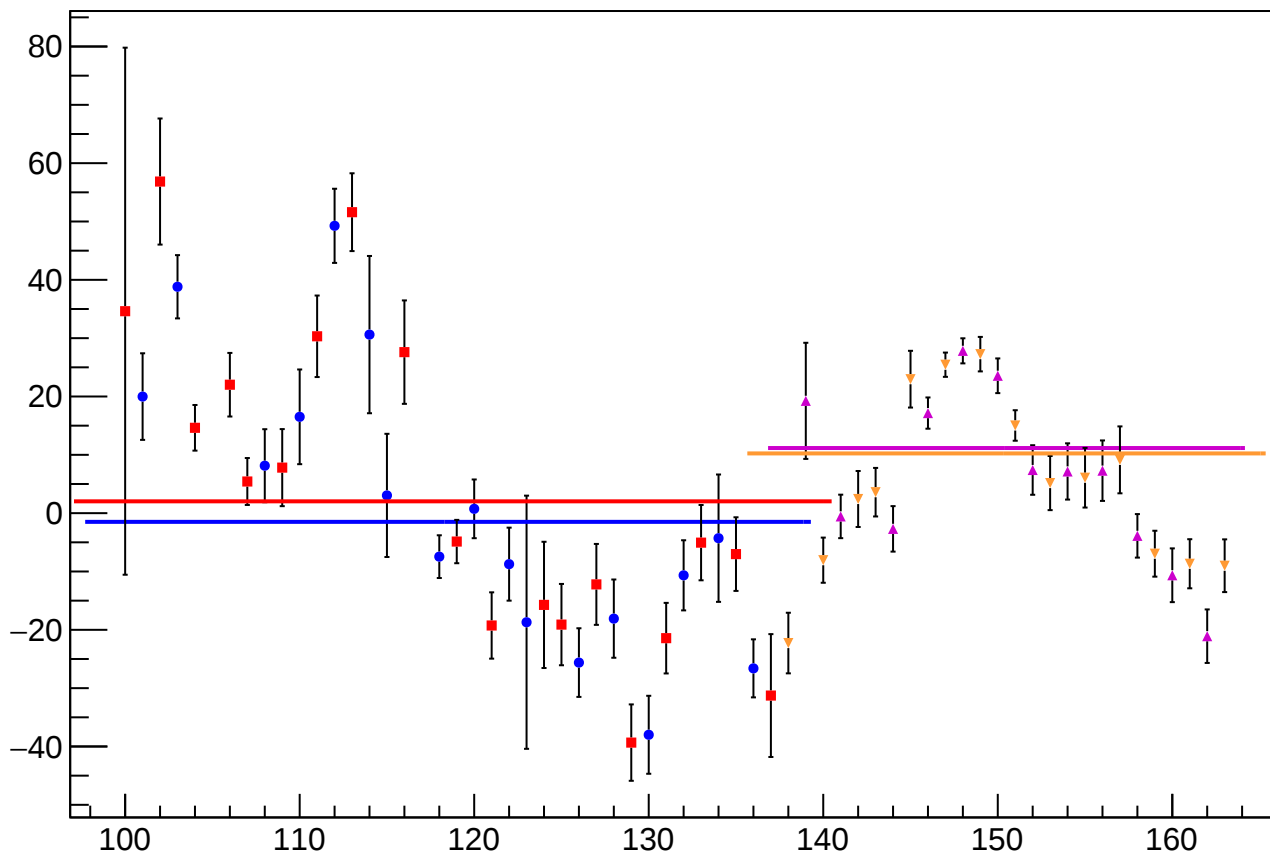
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -261.656 $\pm$ 1.570 χ^2/NDF :223.4/11

Out: -258.159 $\pm$ 1.507 χ^2/NDF :412.2/13

All: -259.836 $\pm$ 1.087 χ^2/NDF : 638.2/25

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: 10.241 ± 0.988 χ^2/NDF : 222.8/13

Right Out: 2.028 ± 1.400 χ^2/NDF : 233.3/18

Left In: 11.166 ± 1.043 χ^2/NDF : 195.8/11

Left: 10.678 ± 0.717 χ^2/NDF : 419.0/25

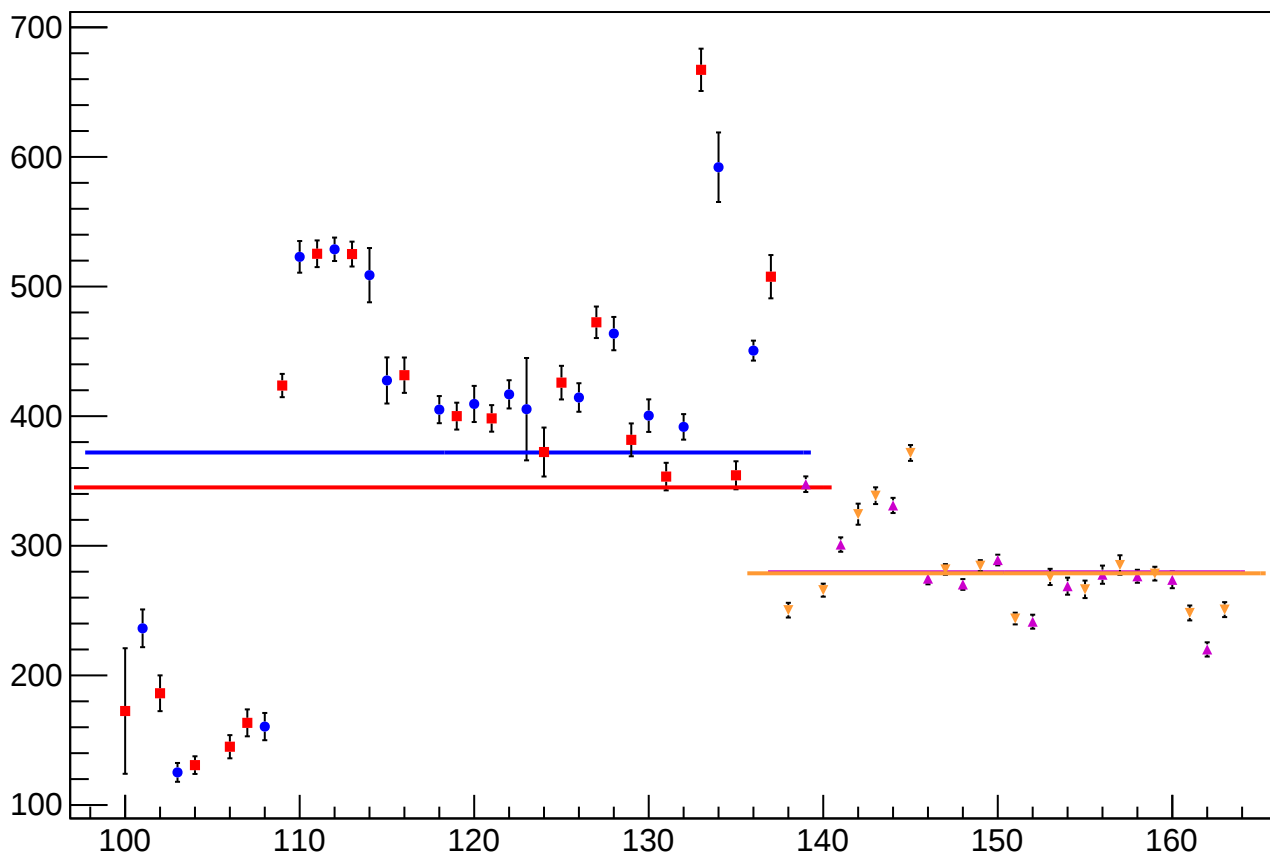
Right: 0.432 ± 1.035 χ^2/NDF : 462.1/35

In: 7.171 ± 0.863 χ^2/NDF : 468.2/28

Out: 7.508 ± 0.807 χ^2/NDF : 479.0/32

All: 7.351 ± 0.590 χ^2/NDF : 947.3/61

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 371.975 $\pm$ 2.778 χ^2 /NDF: 2432.6/16

Left Out: 278.762 $\pm$ 1.476 χ^2 /NDF:498.3/13

Right Out: 345.043 $\pm$ 2.562 χ^2 /NDF: 3415.2/18

Left In: 279.560 $\pm$ 1.522 χ^2 /NDF:402.0/11

Left: 279.149 $\pm$ 1.060 χ^2 /NDF: 900.4/25

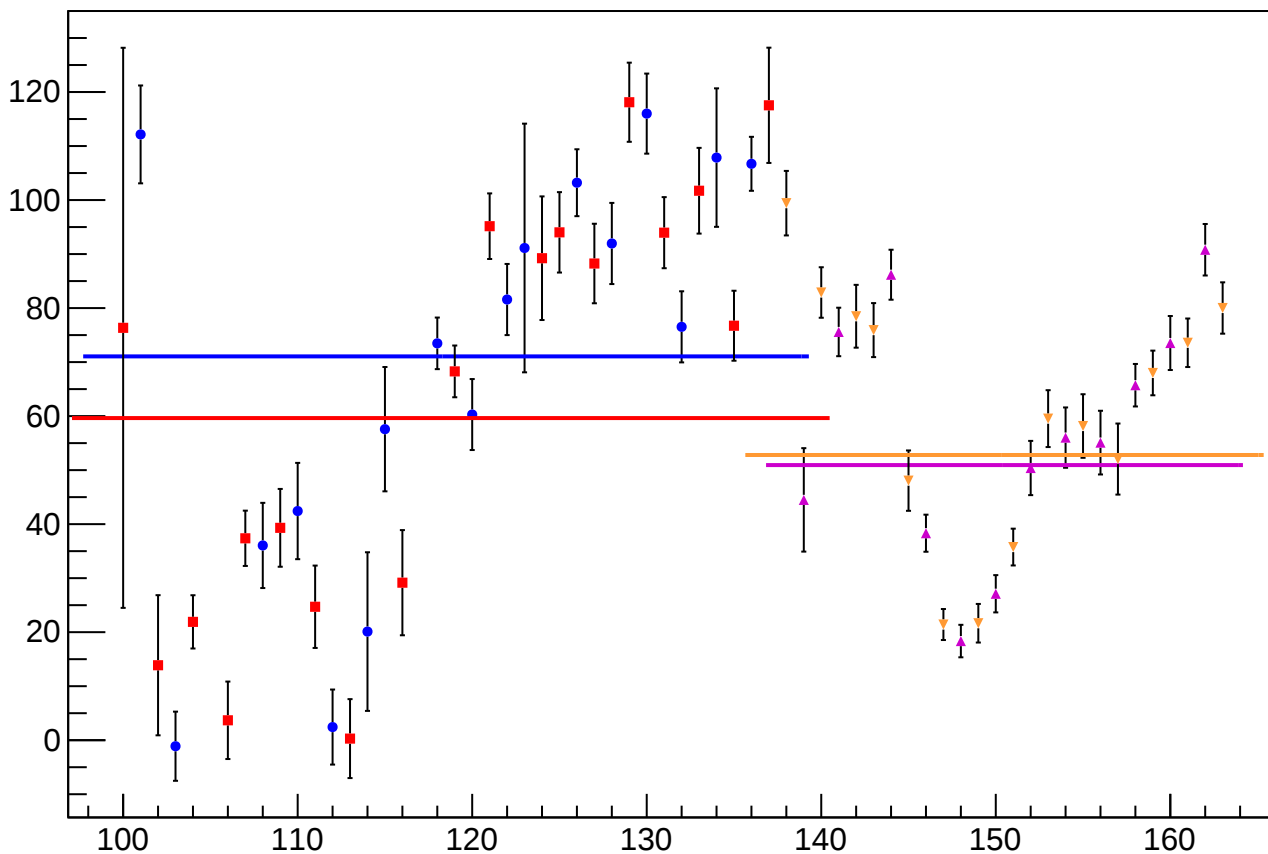
Right: 357.423 $\pm$ 1.883 χ^2 /NDF: 5898.6/35

In: 300.907 $\pm$ 1.335 χ^2 /NDF:3685.9/28

Out: 295.273 $\pm$ 1.279 χ^2 /NDF:4416.0/32

All: 297.969 $\pm$ 0.923 χ^2 /NDF: 8111.1/61

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: 52.802 $\pm$ 1.194 χ^2 /NDF:434.7/13

Right Out: 59.637 $\pm$ 1.631 χ^2 /NDF: 491.6/18

Left In: 50.934 $\pm$ 1.254 χ^2 /NDF:373.1/11

Left: 51.914 $\pm$ 0.865 χ^2 /NDF: 808.9/25

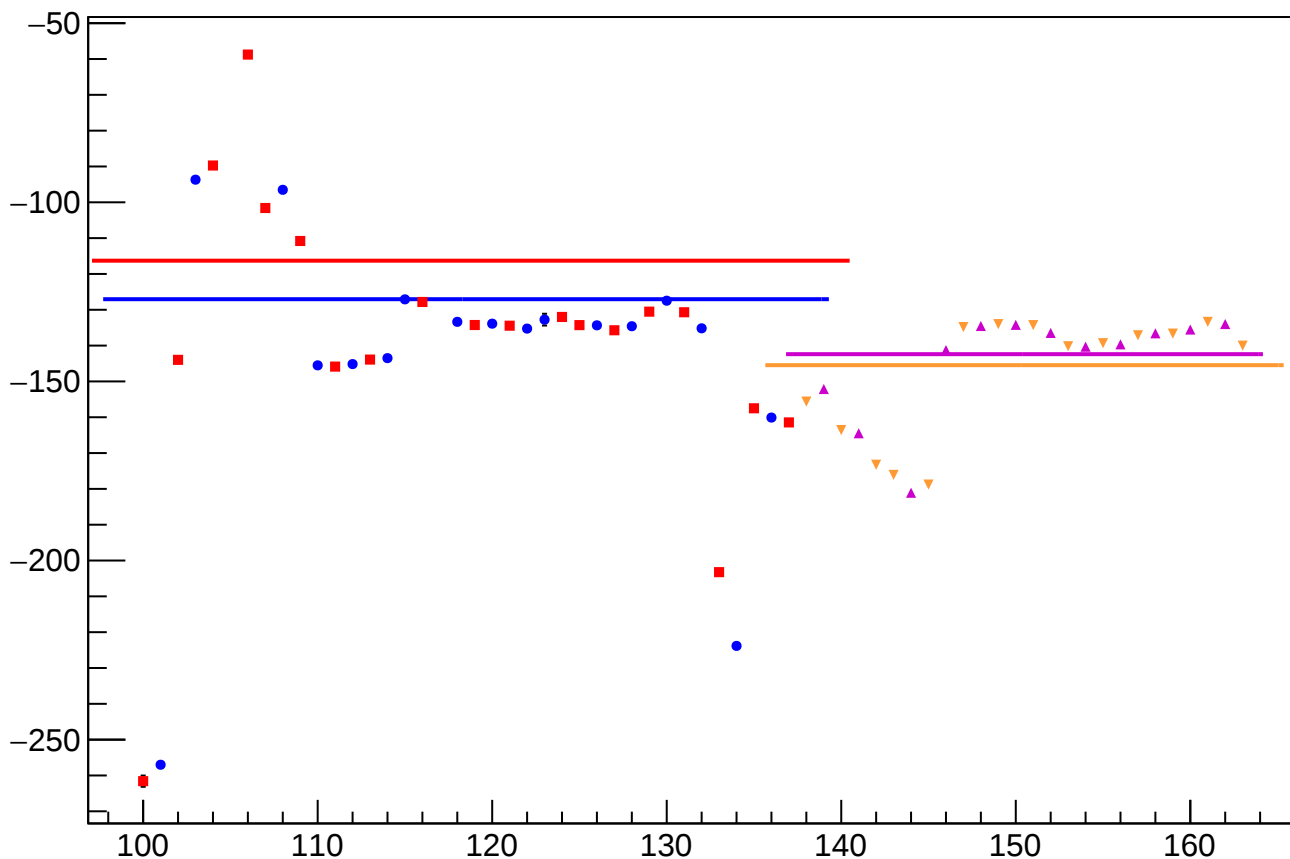
Right: 64.900 $\pm$ 1.198 χ^2 /NDF: 940.4/35

In: 57.689 $\pm$ 1.022 χ^2 /NDF:885.7/28

Out: 55.186 $\pm$ 0.963 χ^2 /NDF:937.8/32

All: 56.364 $\pm$ 0.701 χ^2 /NDF: 1826.6/61

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: -145.463+/-0.059 χ^2/NDF : 67275.8/13

Right Out: -116.295+/-0.083 χ^2/NDF : 167109.1/18

Left In: -142.392+/-0.060 χ^2/NDF : 43056.9/11

Left: -143.958+/-0.042 χ^2/NDF : 111650.7/25

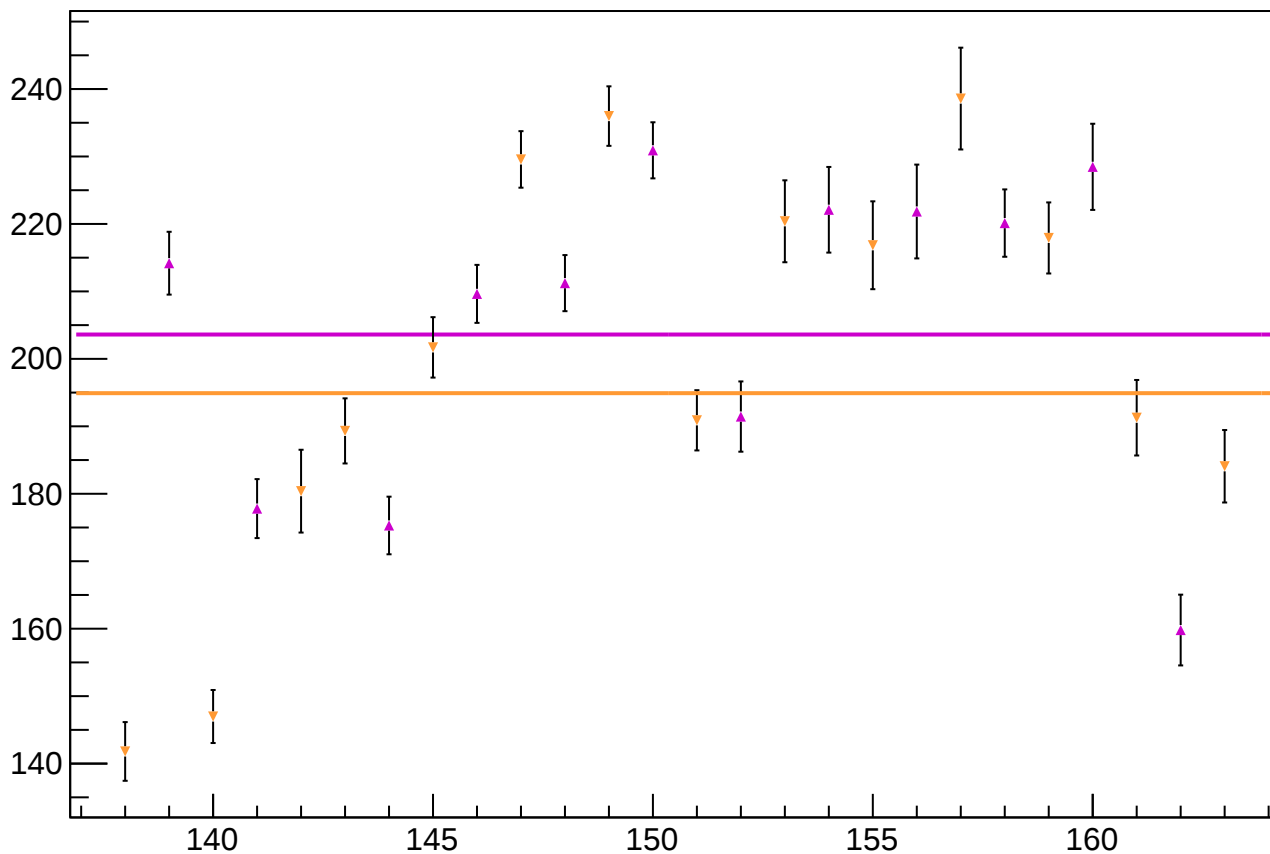
Right: -121.250+/-0.061 χ^2/NDF : 341860.6/35

In: -137.611+/-0.050 χ^2/NDF : 230178.1/28

Out: -135.621+/-0.048 χ^2/NDF : 316244.2/32

All: -136.578+/-0.035 χ^2/NDF : 547241.2/61

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 194.914+/-1.329 χ^2/NDF : 548.8/13

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

Left In: 203.608+/-1.405 χ^2/NDF : 249.0/11

Left: 199.019+/-0.966 χ^2/NDF : 818.1/25

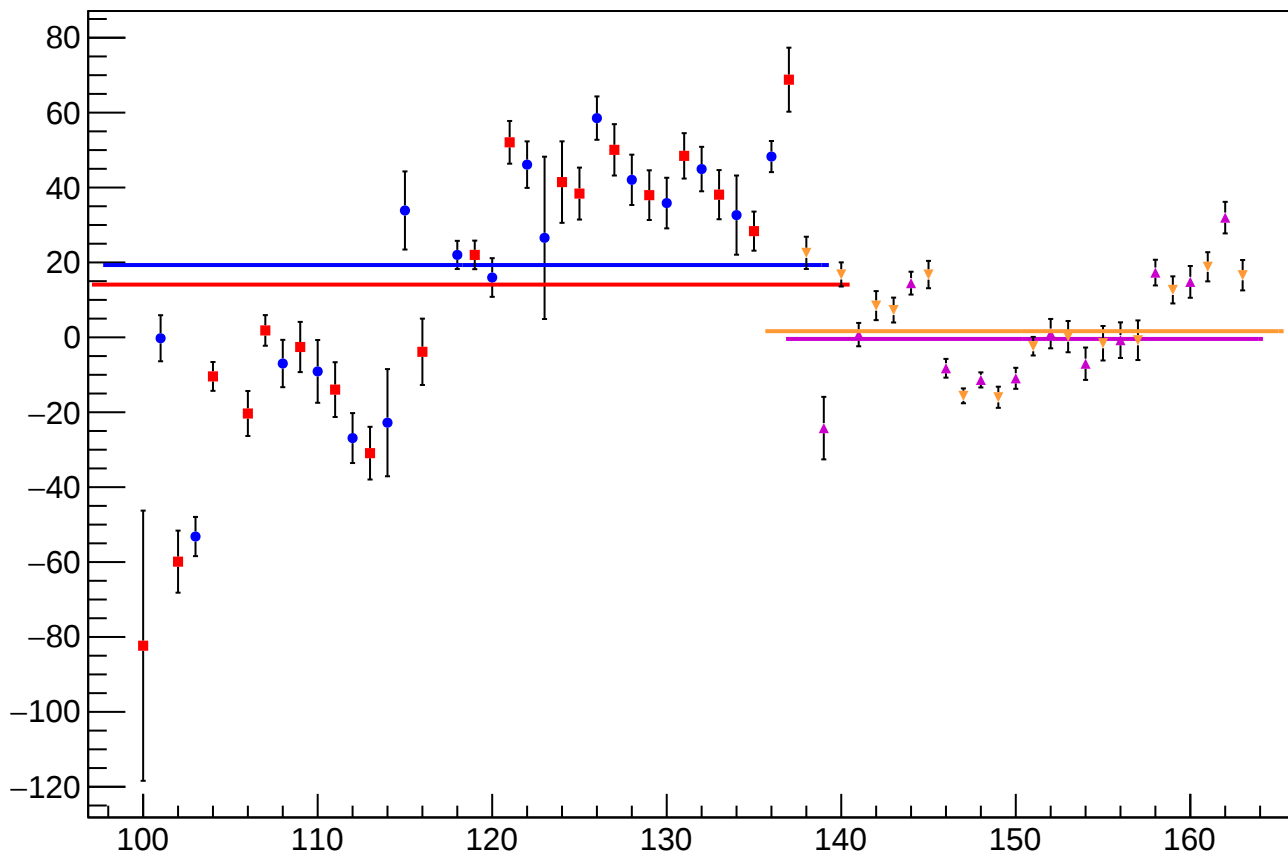
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 203.608+/-1.405 χ^2/NDF : 249.0/11

Out: 194.914+/-1.329 χ^2/NDF : 548.8/13

All: 199.019+/-0.966 χ^2/NDF : 818.1/25

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.308 ± 1.500 $\chi^2/\text{NDF}: 441.3/16$

Left Out: 1.647 ± 0.888 $\chi^2/\text{NDF}: 229.2/13$

Right Out: 14.083 ± 1.390 $\chi^2/\text{NDF}: 436.9/18$

Left In: -0.424 ± 0.946 $\chi^2/\text{NDF}: 186.5/11$

Left: 0.677 ± 0.648 $\chi^2/\text{NDF}: 418.3/25$

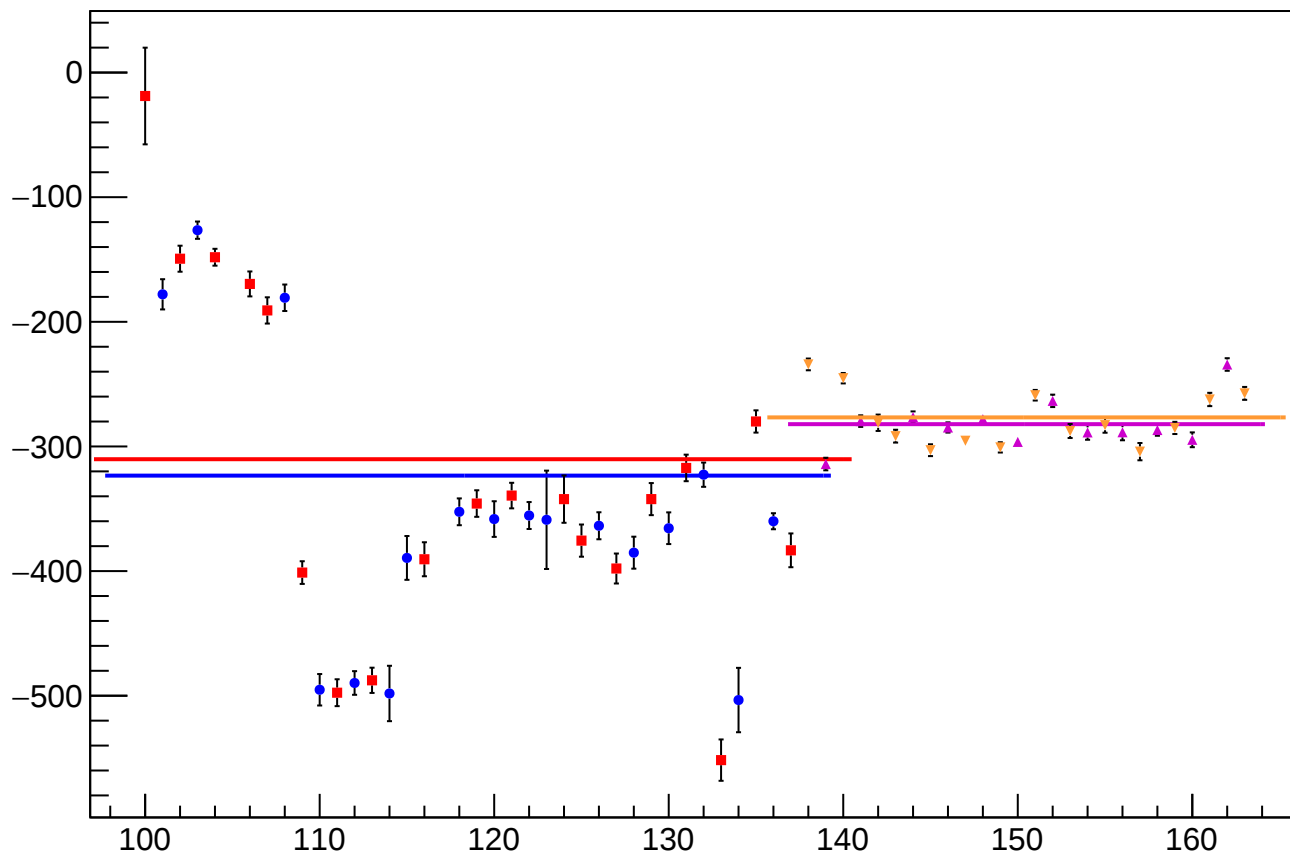
Right: 16.496 ± 1.020 $\chi^2/\text{NDF}: 884.7/35$

In: 5.191 ± 0.800 $\chi^2/\text{NDF}: 751.5/28$

Out: 5.254 ± 0.748 $\chi^2/\text{NDF}: 723.0/32$

All: 5.225 ± 0.547 $\chi^2/\text{NDF}: 1474.5/61$

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -323.402 ± 2.684 $\chi^2/\text{NDF}: 1849.6/16$

Left Out: -276.685 ± 1.313 $\chi^2/\text{NDF}: 296.4/13$

Right Out: -310.236 ± 2.523 $\chi^2/\text{NDF}: 2298.8/18$

Left In: -282.115 ± 1.371 $\chi^2/\text{NDF}: 168.6/11$

Left: -279.283 ± 0.948 $\chi^2/\text{NDF}: 473.2/25$

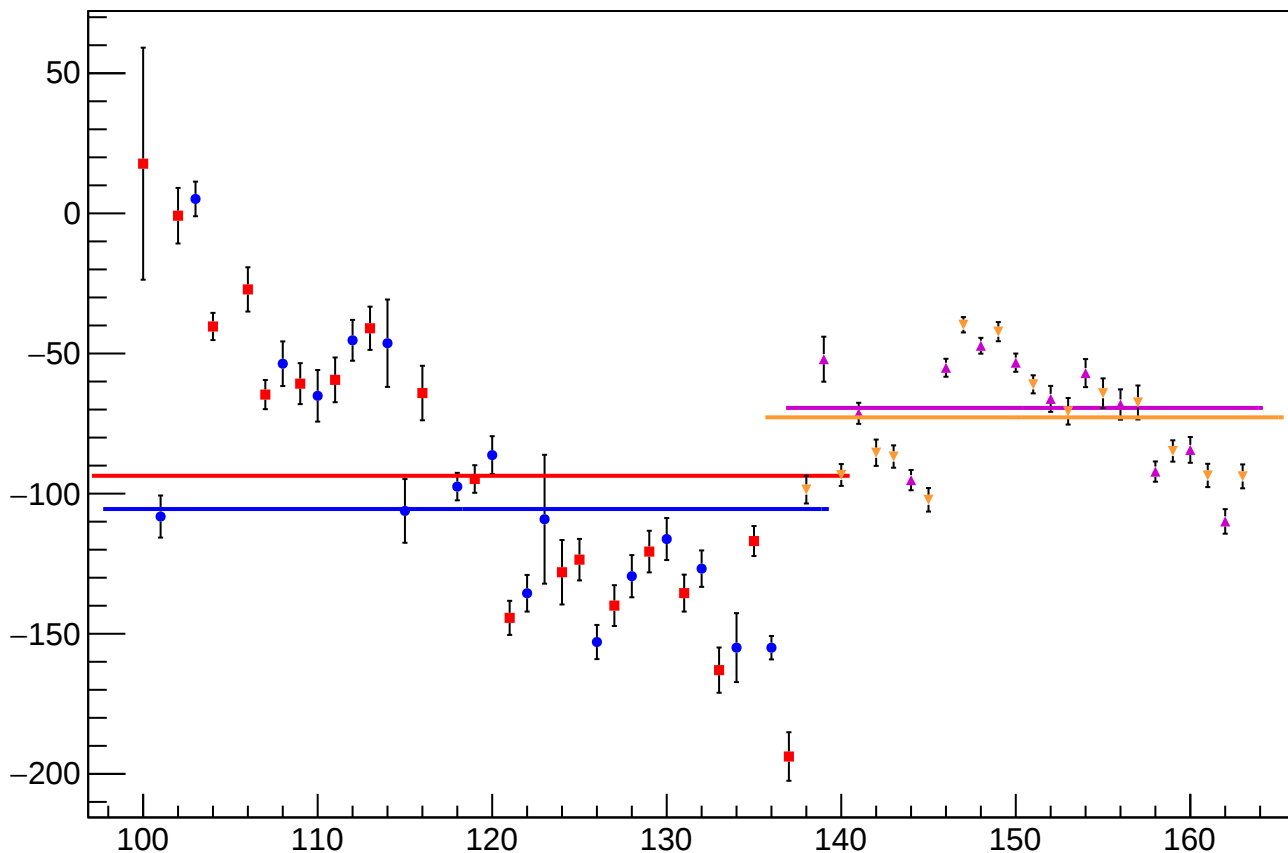
Right: -316.413 ± 1.838 $\chi^2/\text{NDF}: 4161.2/35$

In: -290.655 ± 1.221 $\chi^2/\text{NDF}: 2205.9/28$

Out: -283.831 ± 1.165 $\chi^2/\text{NDF}: 2734.3/32$

All: -287.083 ± 0.843 $\chi^2/\text{NDF}: 4956.6/61$

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -105.496 $\pm$ 1.712 χ^2/NDF : 737.3/16

Left Out: -72.781 $\pm$ 1.068 χ^2/NDF : 425.5/13

Right Out: -93.637 $\pm$ 1.610 χ^2/NDF : 827.1/18

Left In: -69.415 $\pm$ 1.134 χ^2/NDF : 304.4/11

Left: -71.199 $\pm$ 0.778 χ^2/NDF : 734.5/25

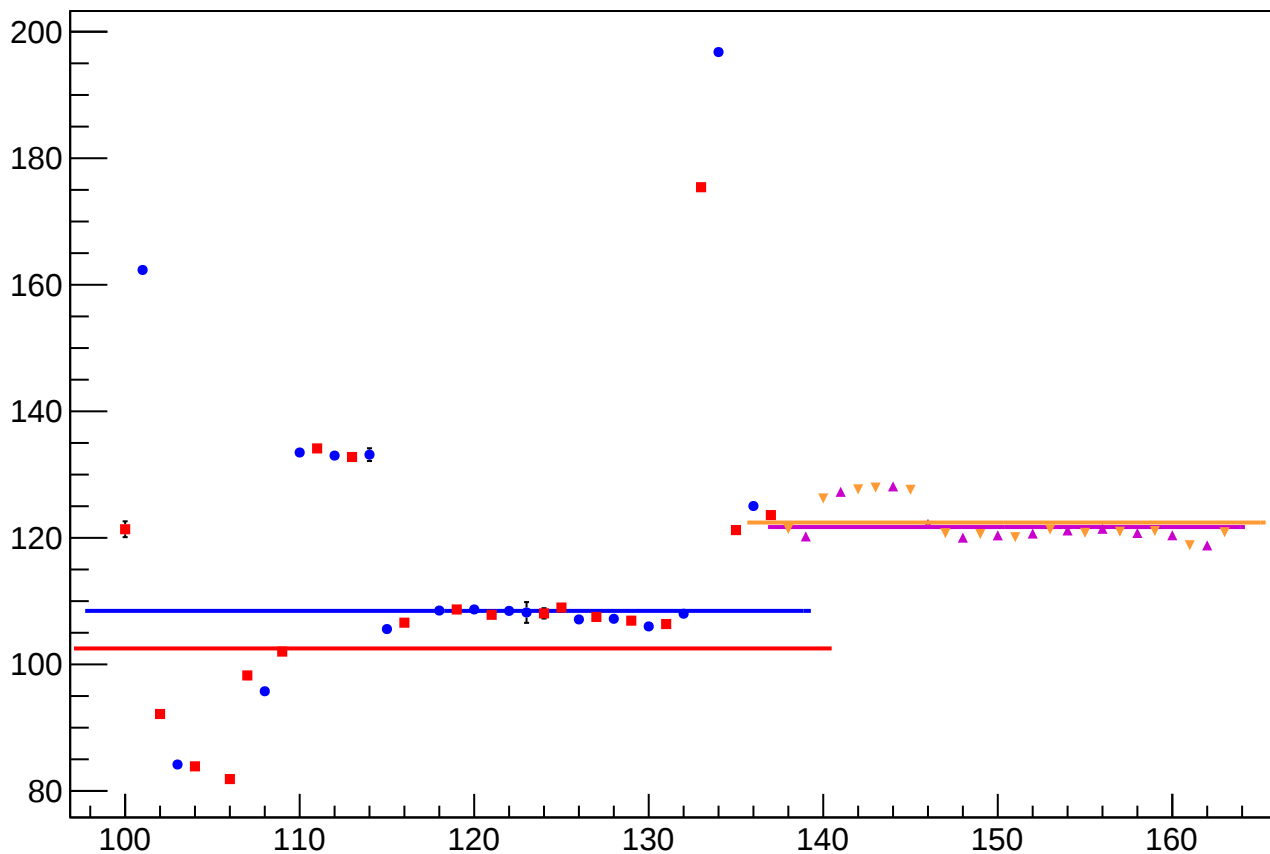
Right: -99.203 $\pm$ 1.173 χ^2/NDF : 1589.9/35

In: -80.425 $\pm$ 0.946 χ^2/NDF : 1350.4/28

Out: -79.155 $\pm$ 0.890 χ^2/NDF : 1369.0/32

All: -79.752 $\pm$ 0.648 χ^2/NDF : 2720.4/61

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 108.460 $\pm$ 0.085 χ^2/NDF : 73301.9/16

Left Out: 122.424 $\pm$ 0.053 χ^2/NDF : 3253.8/13

Right Out: 102.521 $\pm$ 0.080 χ^2/NDF : 52992.1/18

Left In: 121.709 $\pm$ 0.054 χ^2/NDF : 2470.0/11

Left: 122.078 $\pm$ 0.038 χ^2/NDF : 5813.2/25

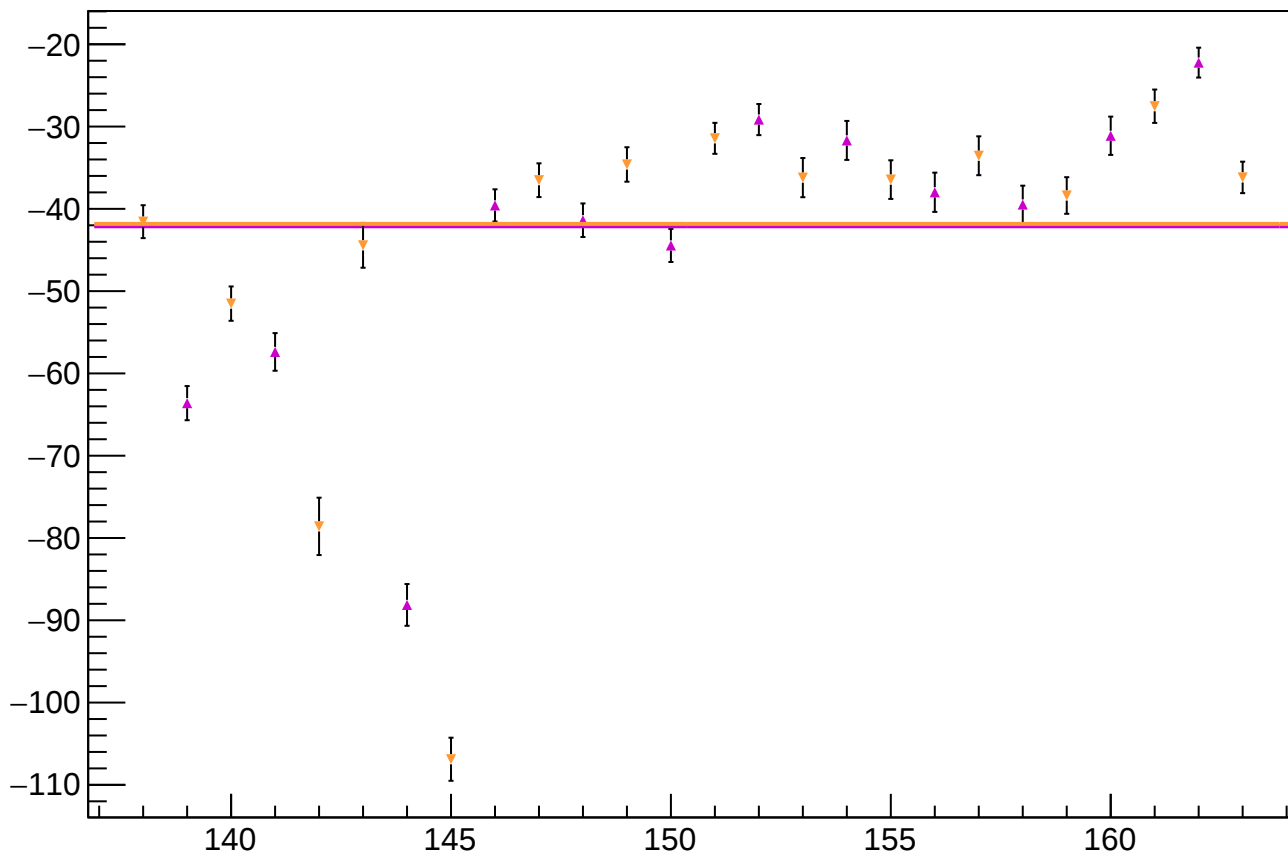
Right: 105.294 $\pm$ 0.058 χ^2/NDF : 128896.1/35

In: 117.865 $\pm$ 0.046 χ^2/NDF : 93019.4/28

Out: 116.375 $\pm$ 0.044 χ^2/NDF : 99817.1/32

All: 117.088 $\pm$ 0.032 χ^2/NDF : 193389.2/61

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



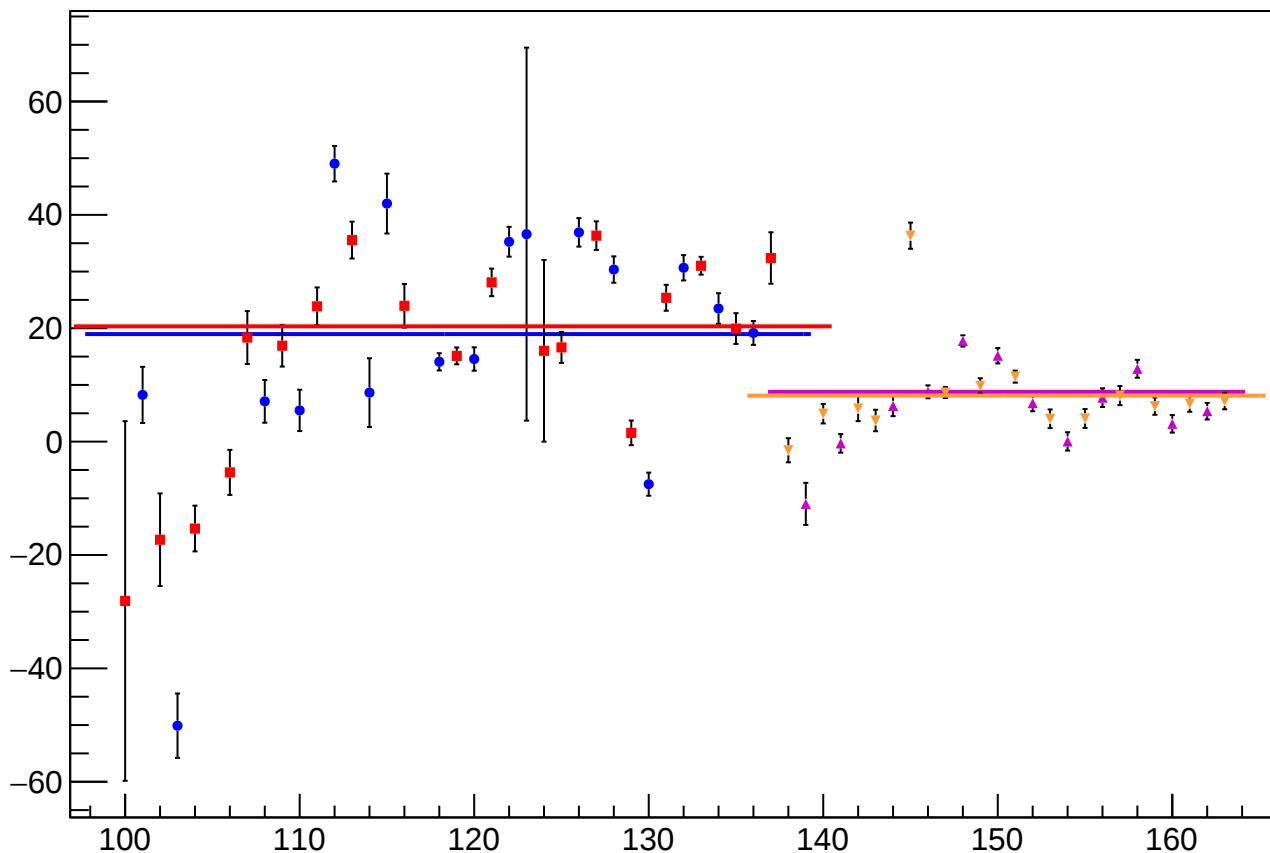
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -41.828+/-0.593 χ^2/NDF : 883.9/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -42.120+/-0.615 χ^2/NDF : 696.7/11

Left: -41.969+/-0.427 χ^2/NDF : 1580.7/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -42.120+/-0.615 χ^2/NDF : 696.7/11
 Out: -41.828+/-0.593 χ^2/NDF : 883.9/13

All: -41.969+/-0.427 χ^2/NDF : 1580.7/25

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.970 $\pm$ 0.653 χ^2 /NDF: 618.4/16

Left Out: 8.115 $\pm$ 0.402 χ^2 /NDF: 206.2/13

Right Out: 20.338 $\pm$ 0.642 χ^2 /NDF: 366.4/18

Left In: 8.781 $\pm$ 0.423 χ^2 /NDF: 221.6/11

Left: 8.432 $\pm$ 0.291 χ^2 /NDF: 429.1/25

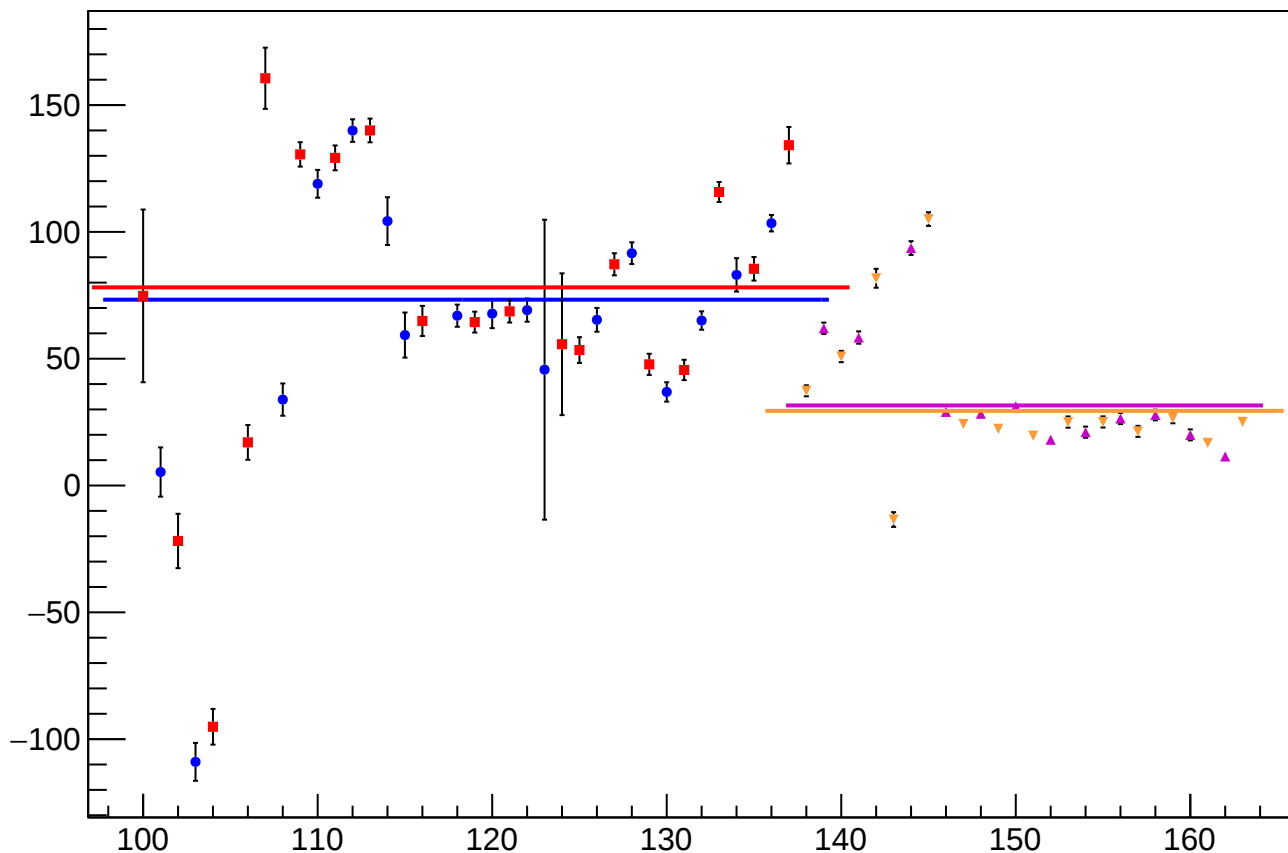
Right: 19.666 $\pm$ 0.458 χ^2 /NDF: 987.0/35

In: 11.789 $\pm$ 0.355 χ^2 /NDF: 1011.6/28

Out: 11.558 $\pm$ 0.341 χ^2 /NDF: 832.8/32

All: 11.669 $\pm$ 0.246 χ^2 /NDF: 1844.6/61

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: 29.424+/-0.577 χ^2 /NDF:1423.5/13

Right Out: 78.130+/-1.223 χ^2 /NDF: 1543.3/18

Left In: 31.567+/-0.595 χ^2 /NDF:1080.1/11

Left: 30.463+/-0.414 χ^2 /NDF: 2510.3/25

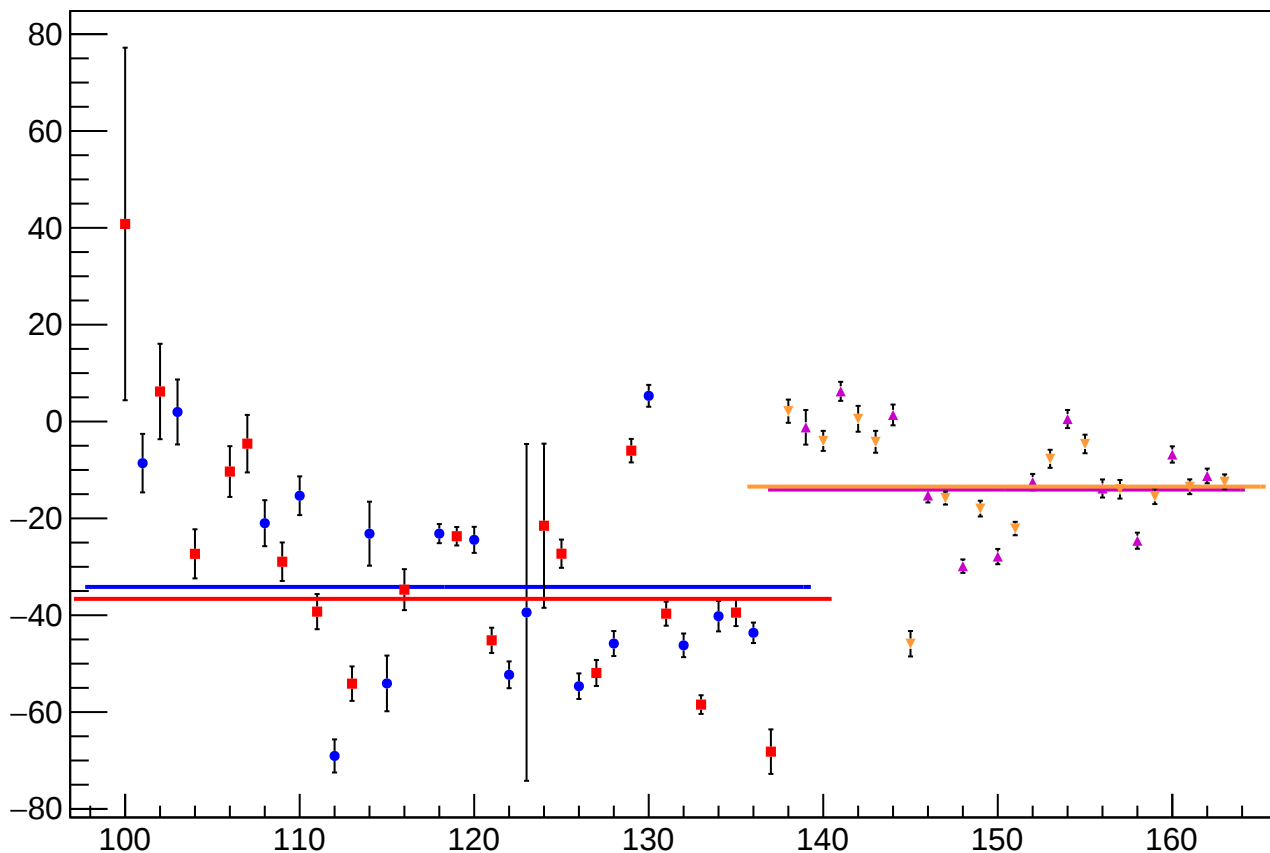
Right: 75.732+/-0.869 χ^2 /NDF: 2749.7/35

In: 39.408+/-0.536 χ^2 /NDF:3202.8/28

Out: 38.300+/-0.522 χ^2 /NDF:4264.8/32

All: 38.839+/-0.374 χ^2 /NDF: 7469.8/61

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: -13.438 ± 0.476 χ^2/NDF : 341.7/13

Right Out: -36.618 ± 0.736 χ^2/NDF : 547.0/18

Left In: -14.053 ± 0.499 χ^2/NDF : 502.4/11

Left: -13.731 ± 0.344 χ^2/NDF : 844.9/25

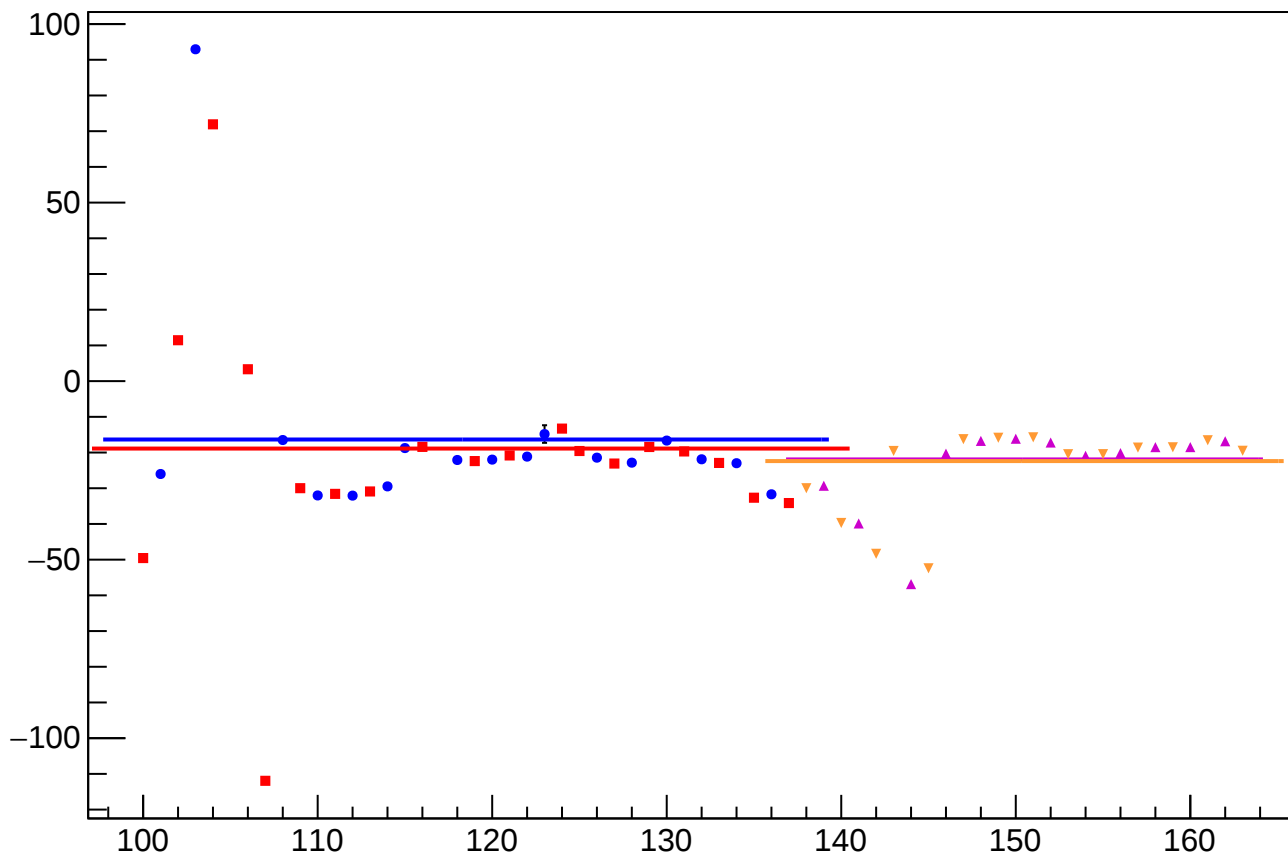
Right: -35.401 ± 0.523 χ^2/NDF : 1270.0/35

In: -20.282 ± 0.415 χ^2/NDF : 1722.4/28

Out: -20.278 ± 0.400 χ^2/NDF : 1588.4/32

All: -20.280 ± 0.288 χ^2/NDF : 3310.8/61

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: -22.394 ± 0.023 $\chi^2/\text{NDF}: 181979.7/13$

Right Out: -18.886 ± 0.045 $\chi^2/\text{NDF}: 433793.7/18$

Left In: -21.930 ± 0.023 $\chi^2/\text{NDF}: 152235.3/11$

Left: -22.168 ± 0.016 $\chi^2/\text{NDF}: 334420.3/25$

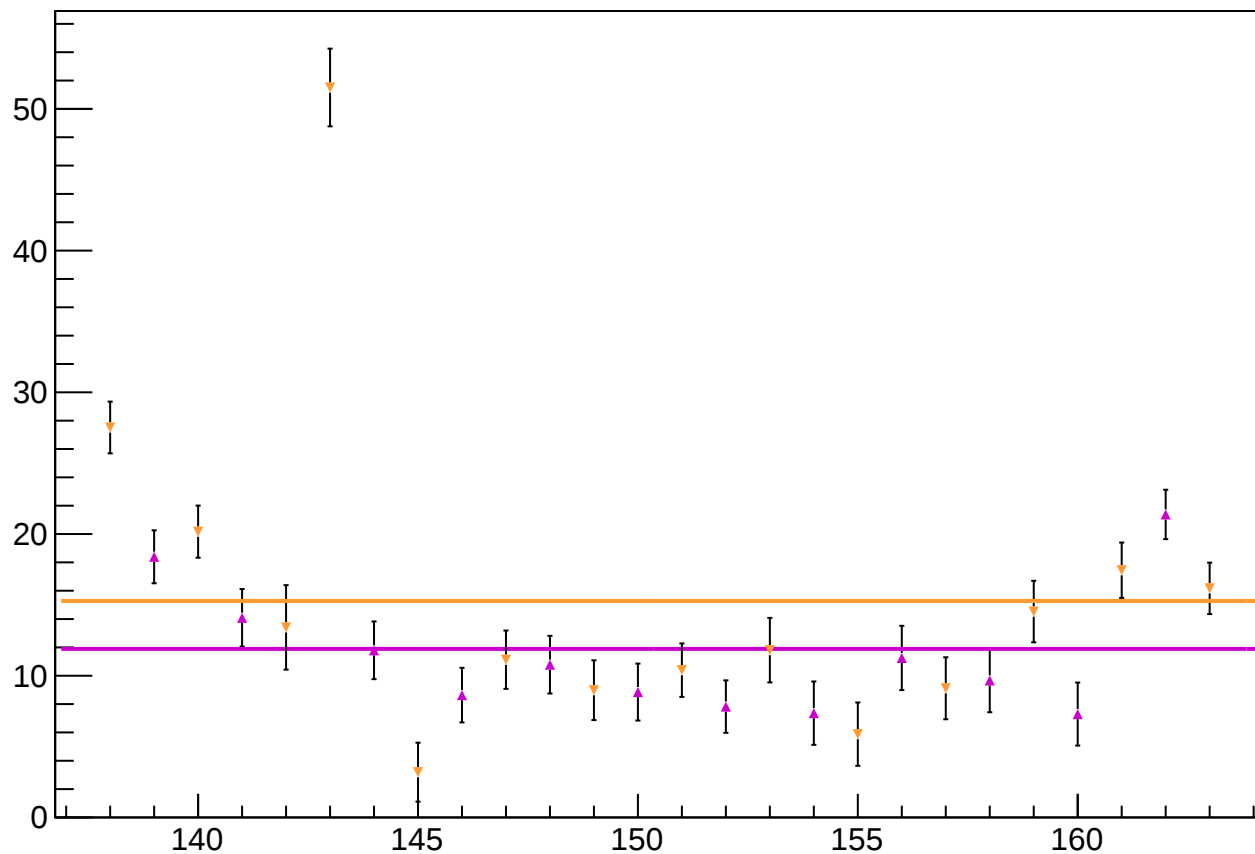
Right: -17.599 ± 0.032 $\chi^2/\text{NDF}: 909577.8/35$

In: -20.747 ± 0.021 $\chi^2/\text{NDF}: 638744.0/28$

Out: -21.696 ± 0.020 $\chi^2/\text{NDF}: 620576.7/32$

All: -21.230 ± 0.014 $\chi^2/\text{NDF}: 1260405.0/61$

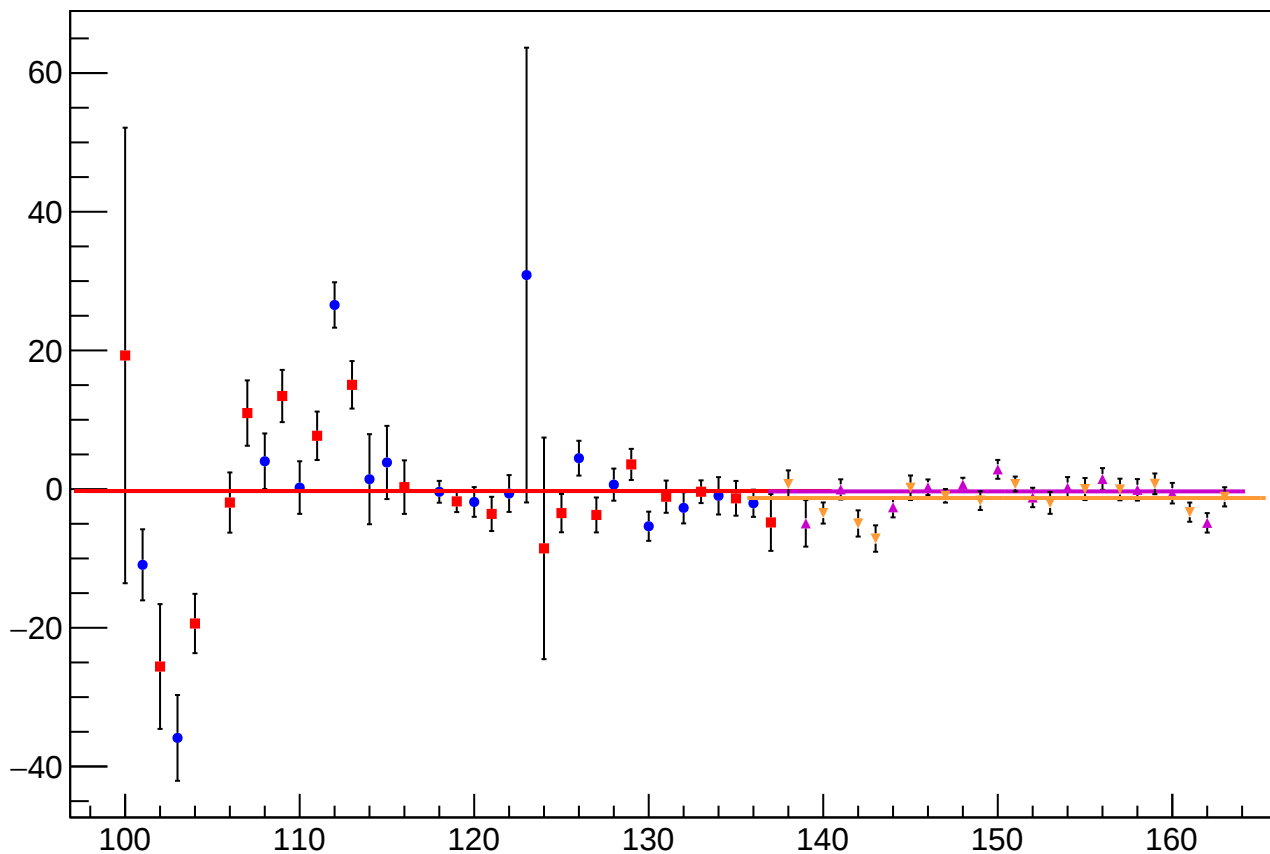
reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 15.278+/-0.560 χ^2/NDF :310.0/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 11.894+/-0.583 χ^2/NDF :62.7/11

Left: 13.654+/-0.404 χ^2/NDF : 390.2/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 11.894+/-0.583 χ^2/NDF :62.7/11
 Out: 15.278+/-0.560 χ^2/NDF :310.0/13
 All: 13.654+/-0.404 χ^2/NDF : 390.2/25

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: -1.285 ± 0.386 χ^2/NDF : 26.3/13

Right Out: -0.270 ± 0.656 χ^2/NDF : 83.2/18

Left In: -0.328 ± 0.405 χ^2/NDF : 23.4/11

Left: -0.830 ± 0.279 χ^2/NDF : 52.6/25

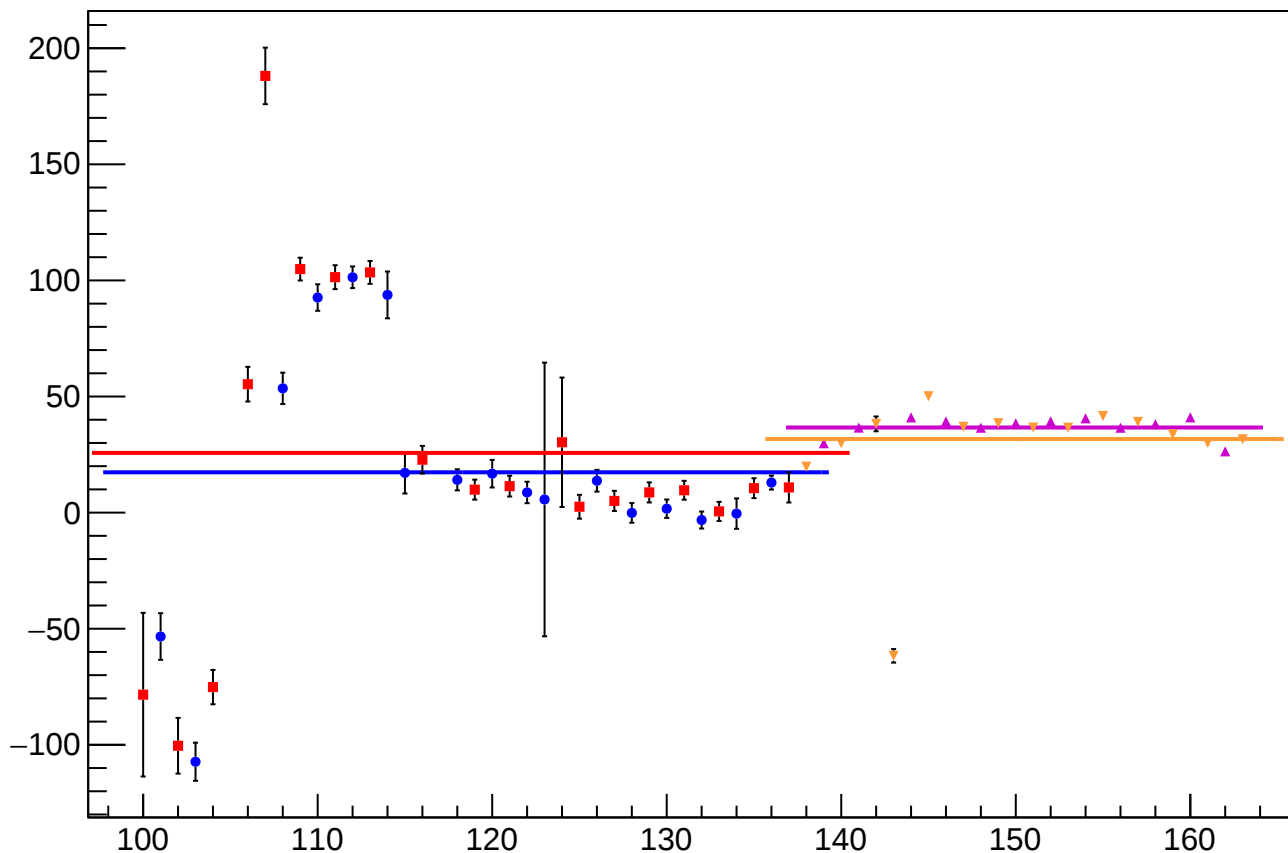
Right: -0.275 ± 0.466 χ^2/NDF : 202.7/35

In: -0.315 ± 0.346 χ^2/NDF : 143.0/28

Out: -1.025 ± 0.332 χ^2/NDF : 111.2/32

All: -0.684 ± 0.240 χ^2/NDF : 256.4/61

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.361+/-1.247 χ^2/NDF : 943.0/16

Left Out: 31.687+/-0.548 χ^2/NDF :1200.8/13

Right Out: 25.717+/-1.243 χ^2/NDF : 1378.8/18

Left In: 36.658+/-0.566 χ^2/NDF :66.5/11

Left: 34.090+/-0.394 χ^2/NDF : 1307.2/25

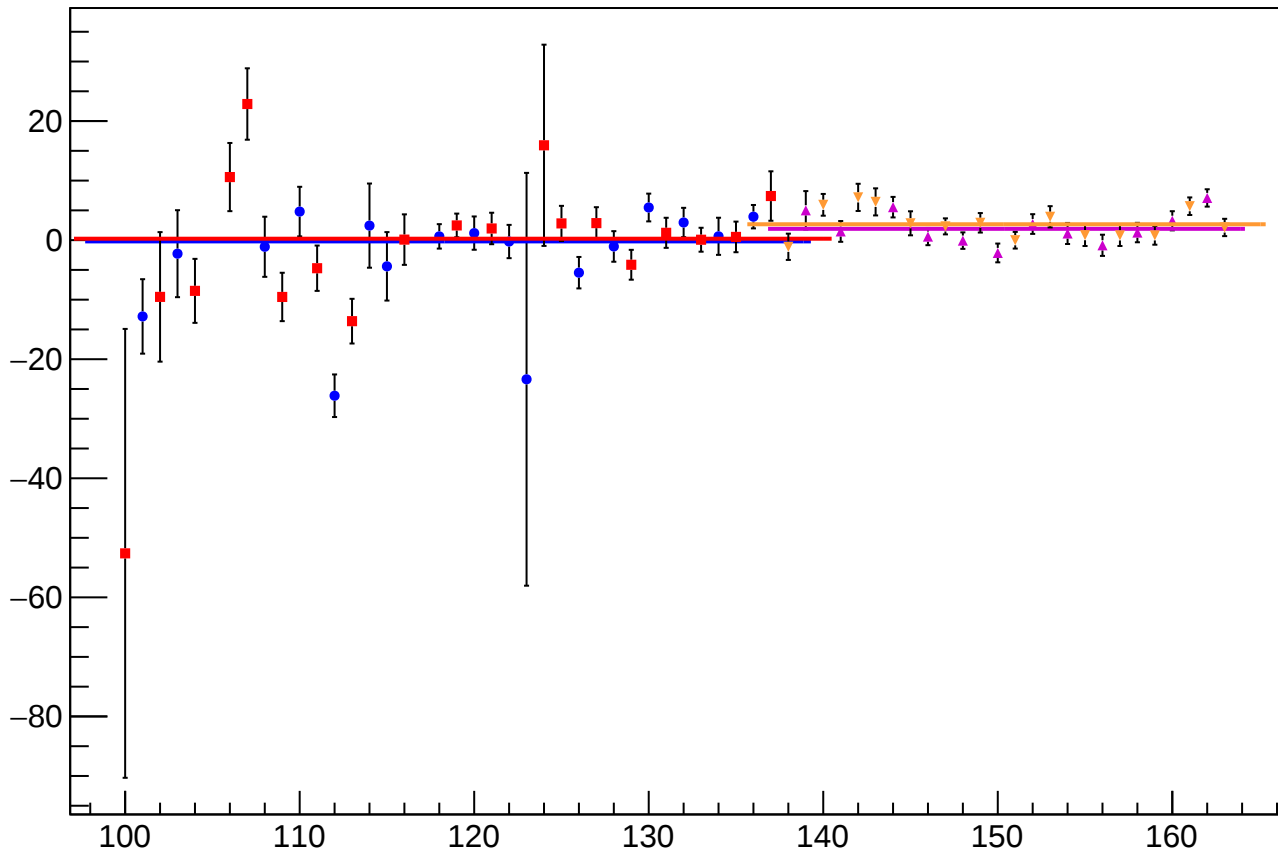
Right: 21.552+/-0.880 χ^2/NDF : 2344.4/35

In: 33.360+/-0.515 χ^2/NDF :1208.1/28

Out: 30.717+/-0.501 χ^2/NDF :2599.0/32

All: 32.001+/-0.359 χ^2/NDF : 3820.6/61

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: 2.666 ± 0.455 χ^2/NDF : 24.9/13

Right Out: 0.239 ± 0.748 χ^2/NDF : 54.5/18

Left In: 1.898 ± 0.477 χ^2/NDF : 31.3/11

Left: 2.301 ± 0.329 χ^2/NDF : 57.6/25

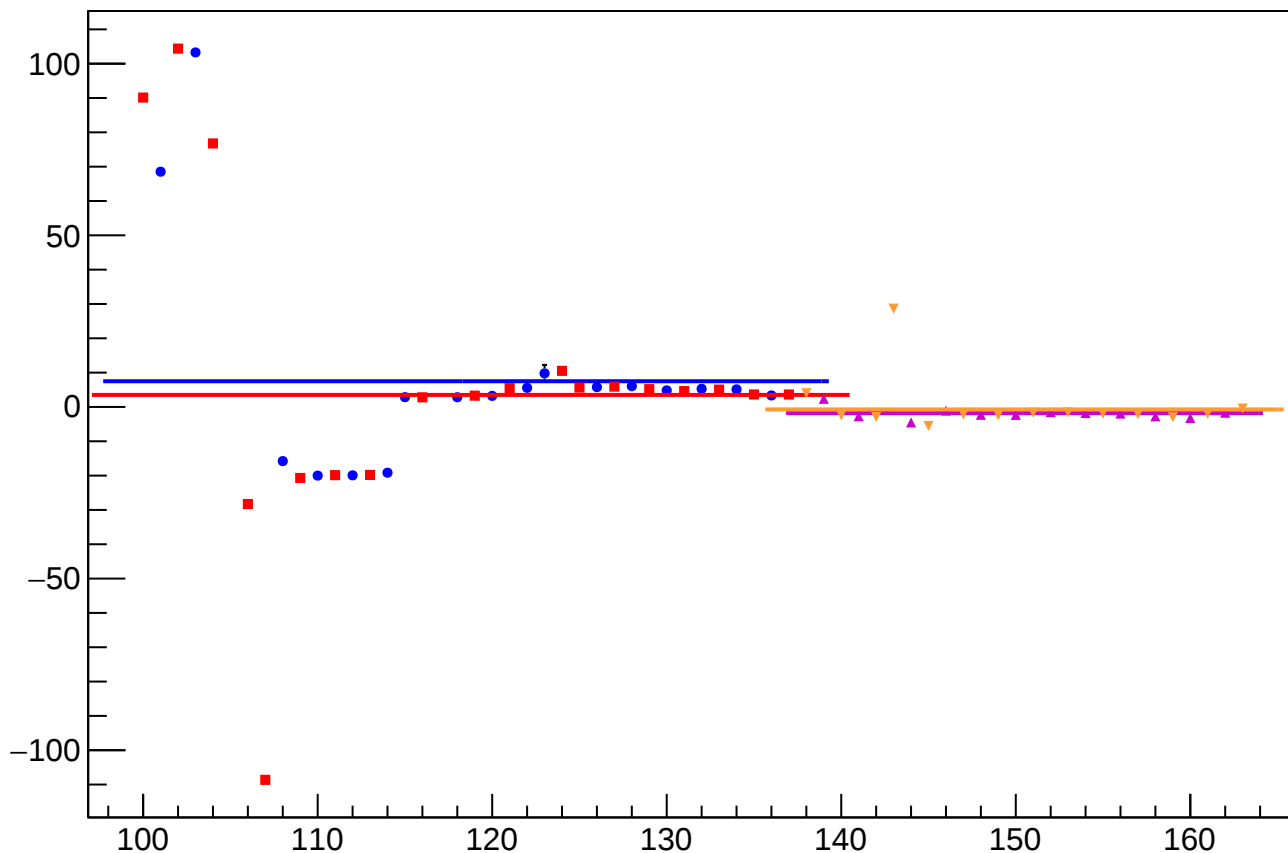
Right: 0.015 ± 0.530 χ^2/NDF : 130.6/35

In: 1.293 ± 0.403 χ^2/NDF : 112.8/28

Out: 2.012 ± 0.389 χ^2/NDF : 87.1/32

All: 1.665 ± 0.280 χ^2/NDF : 201.5/61

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: -0.718+/-0.021 χ^2/NDF : 73458.8/13

Right Out: 3.504+/-0.046 χ^2/NDF : 510579.4/18

Left In: -1.794+/-0.022 χ^2/NDF : 5019.9/11

Left: -1.240+/-0.015 χ^2/NDF : 79710.8/25

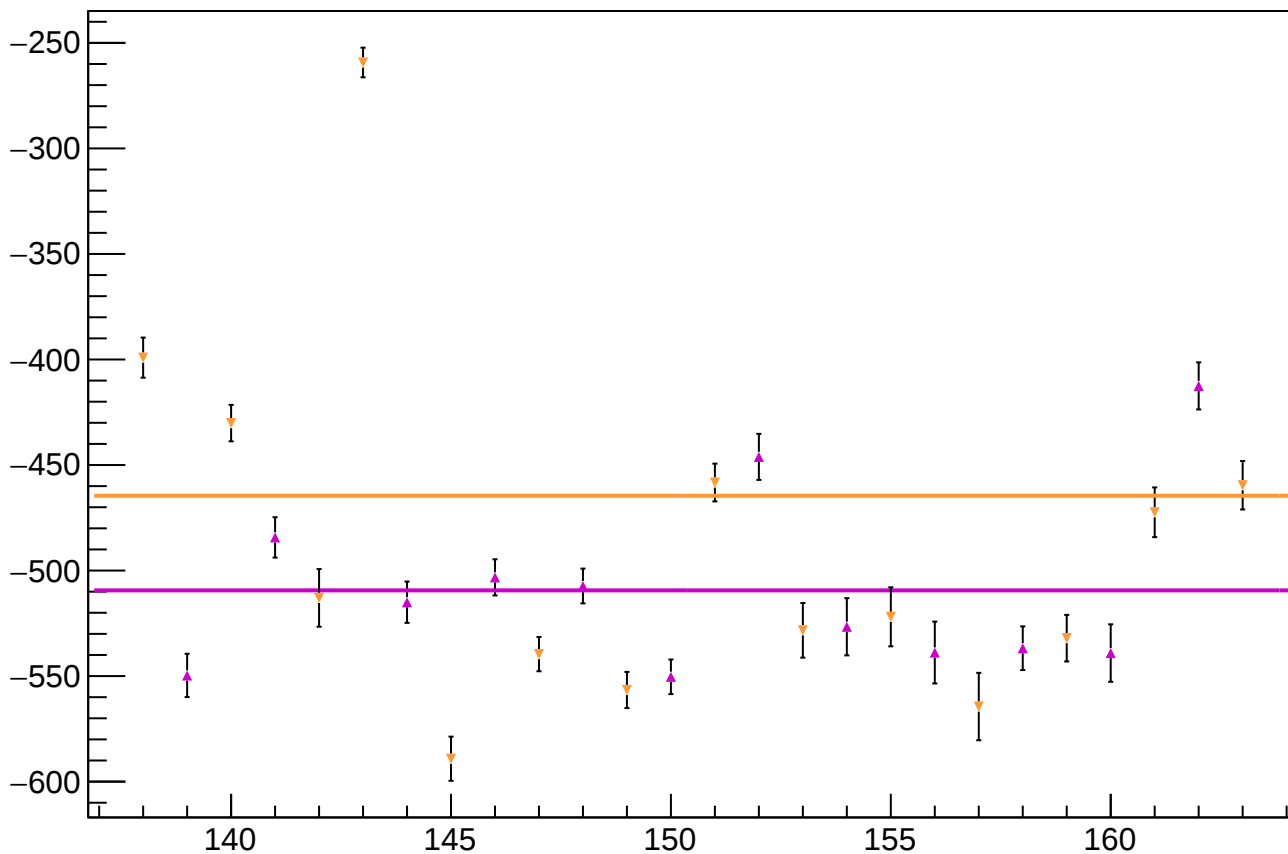
Right: 5.541+/-0.032 χ^2/NDF : 870462.8/35

In: 0.023+/-0.020 χ^2/NDF : 395816.6/28

Out: 0.041+/-0.019 χ^2/NDF : 591061.2/32

All: 0.032+/-0.014 χ^2/NDF : 986878.1/61

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: -464.563+/-2.687 χ^2/NDF :1392.8/13

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

Left In: -509.385+/-2.945 χ^2/NDF :174.6/11

Left: -484.926+/-1.985 χ^2/NDF : 1693.9/25

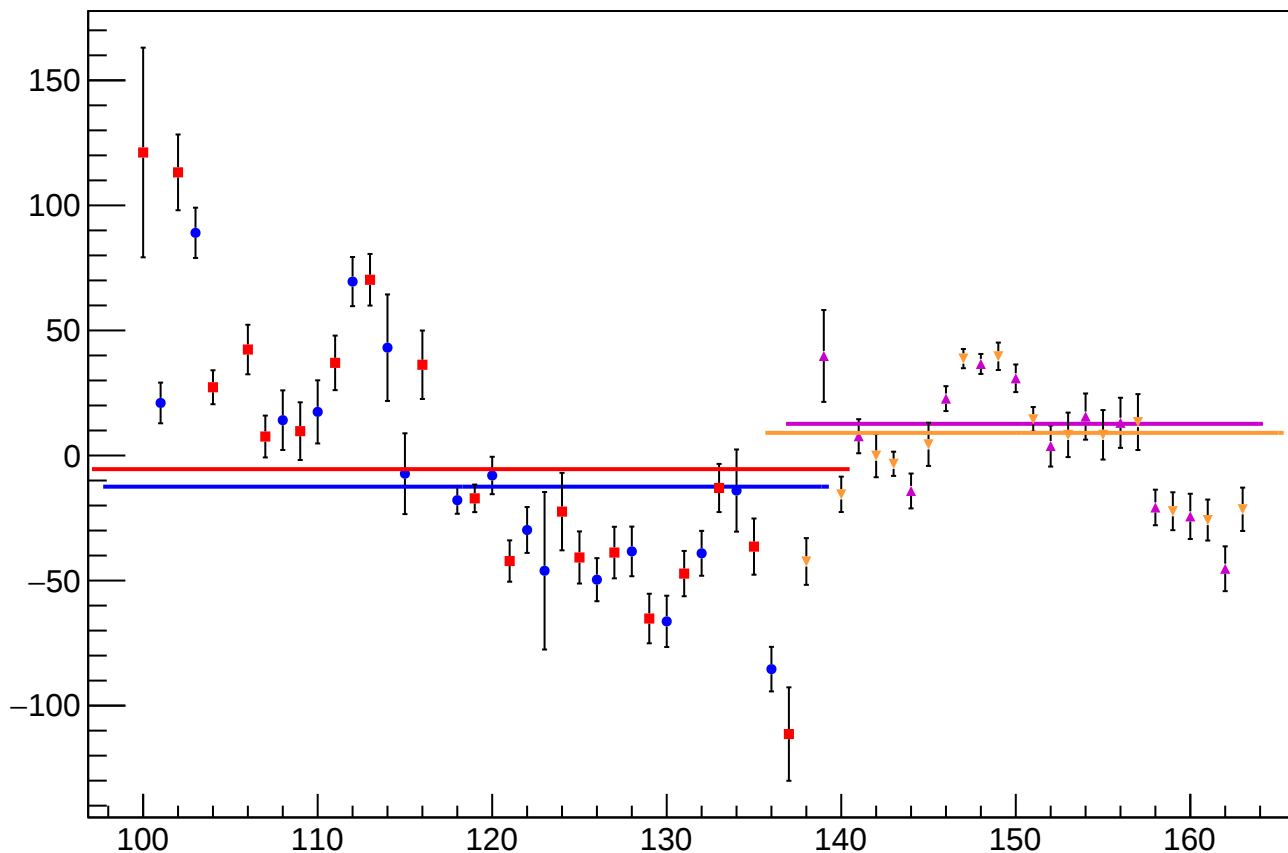
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -509.385+/-2.945 χ^2/NDF :174.6/11

Out: -464.563+/-2.687 χ^2/NDF :1392.8/13

All: -484.926+/-1.985 χ^2/NDF : 1693.9/25

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: 9.057 ± 1.769 χ^2/NDF : 190.2/13

Right Out: -5.453 ± 2.259 χ^2/NDF : 345.0/18

Left In: 12.664 ± 1.954 χ^2/NDF : 150.5/11

Left: 10.682 ± 1.311 χ^2/NDF : 342.5/25

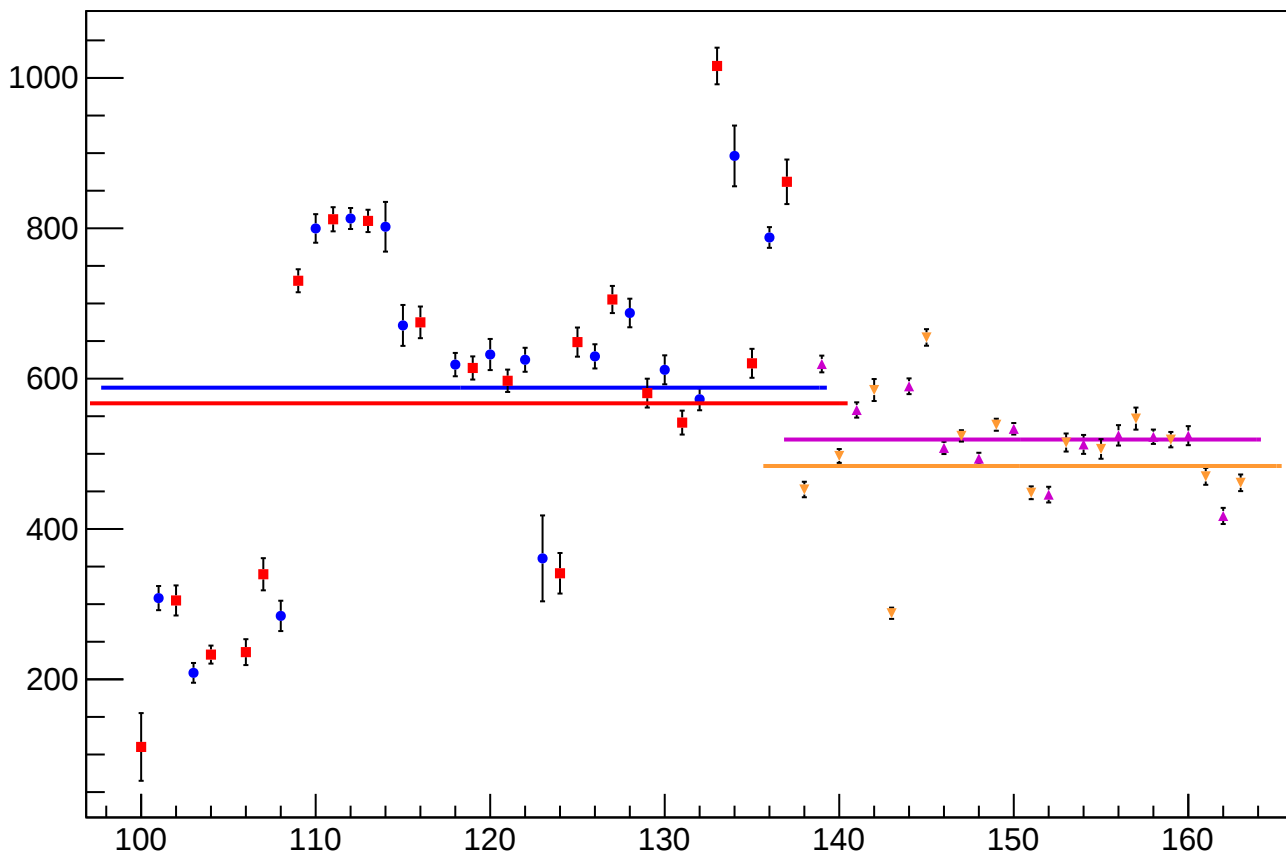
Right: -8.819 ± 1.628 χ^2/NDF : 690.7/35

In: 2.391 ± 1.502 χ^2/NDF : 559.2/28

Out: 3.541 ± 1.393 χ^2/NDF : 560.7/32

All: 3.010 ± 1.021 χ^2/NDF : 1120.2/61

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: 483.803 $\pm$ 2.656 χ^2 /NDF:1121.7/13

Right Out: 567.179 $\pm$ 4.136 χ^2 /NDF: 2783.2/18

Left In: 519.006 $\pm$ 2.860 χ^2 /NDF:298.0/11

Left: 500.105 $\pm$ 1.946 χ^2 /NDF: 1501.1/25

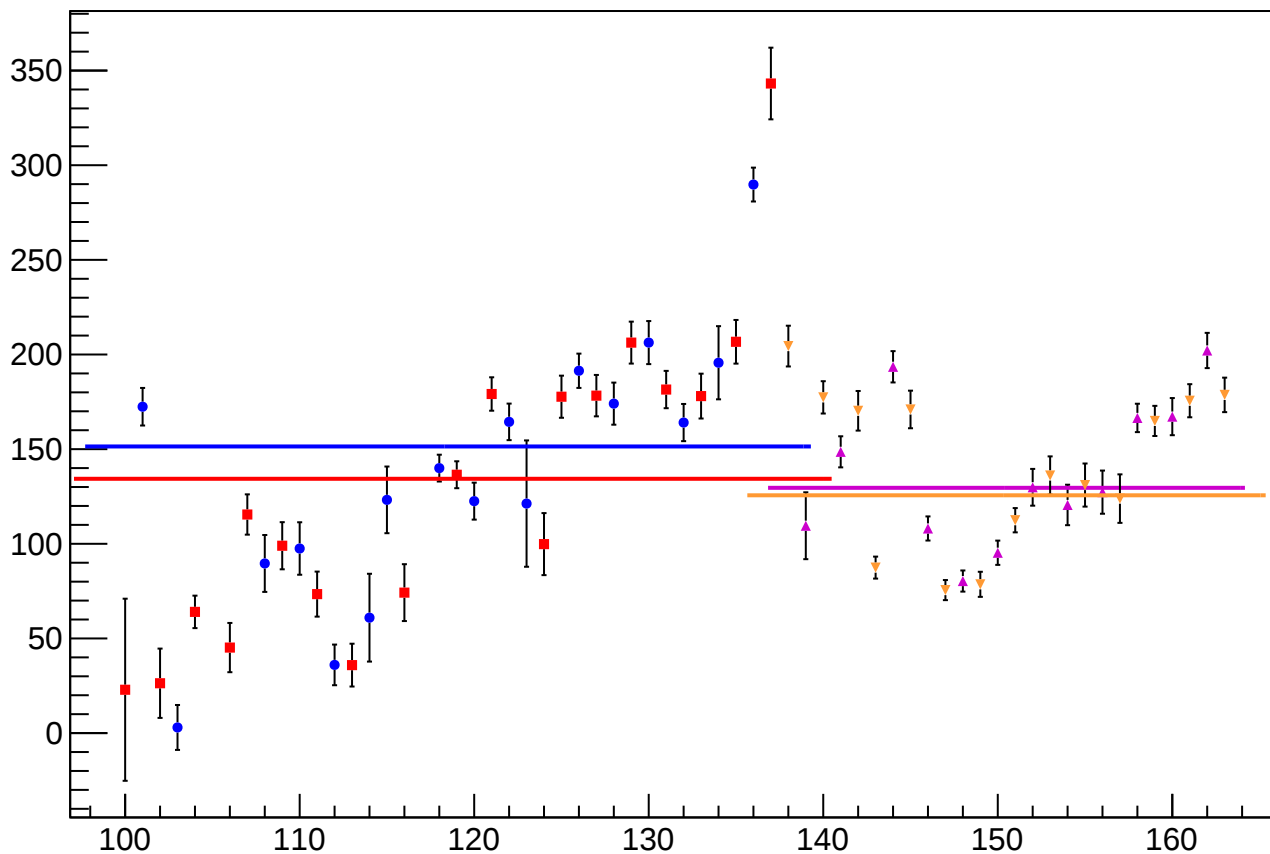
Right: 577.056 $\pm$ 2.998 χ^2 /NDF: 4924.8/35

In: 539.805 $\pm$ 2.390 χ^2 /NDF:2603.1/28

Out: 508.142 $\pm$ 2.235 χ^2 /NDF:4192.7/32

All: 522.911 $\pm$ 1.632 χ^2 /NDF: 6889.4/61

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: 125.622+/-2.140 χ^2/NDF : 408.6/13

Right Out: 134.346+/-2.616 χ^2/NDF : 584.9/18

Left In: 129.574+/-2.354 χ^2/NDF : 284.7/11

Left: 127.411+/-1.583 χ^2/NDF : 694.8/25

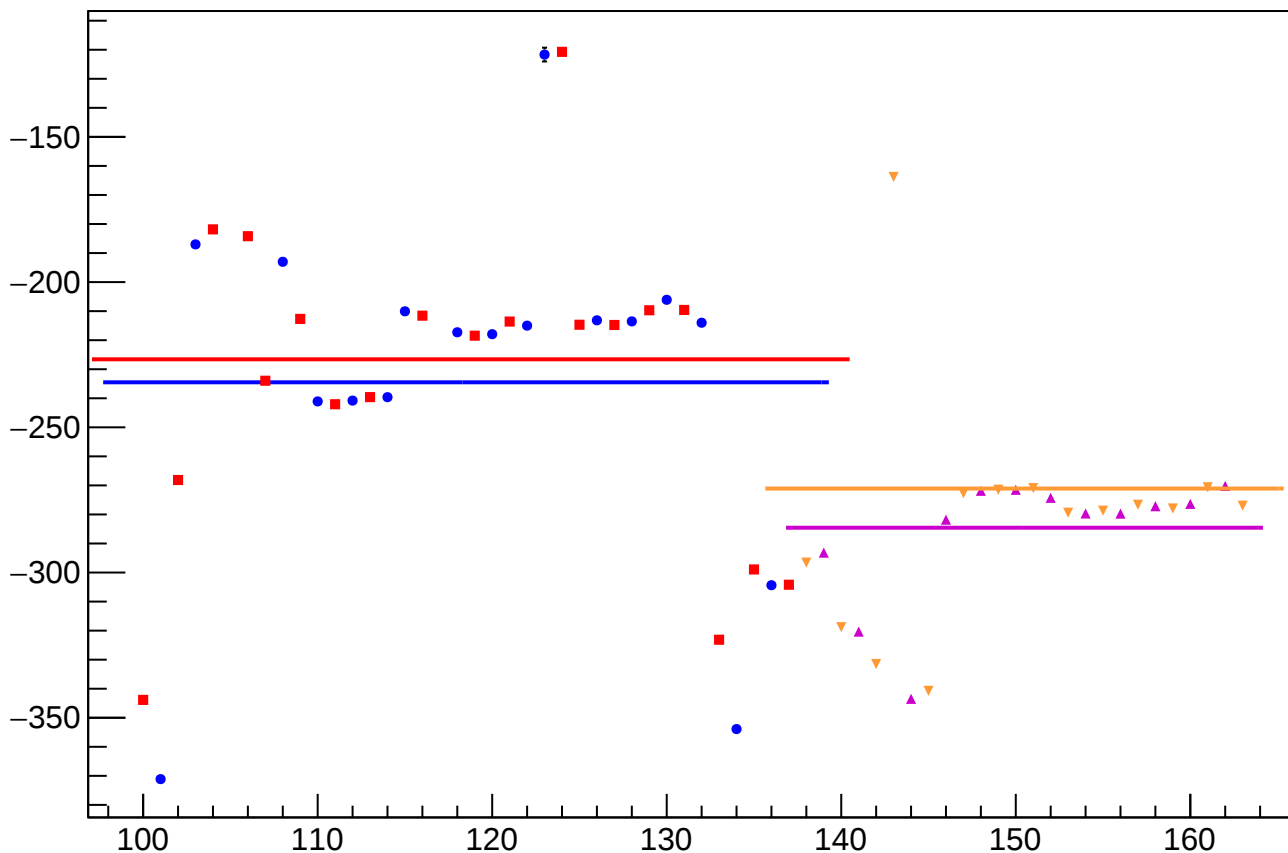
Right: 142.583+/-1.882 χ^2/NDF : 1238.7/35

In: 138.972+/-1.777 χ^2/NDF : 955.0/28

Out: 129.120+/-1.656 χ^2/NDF : 1000.1/32

All: 133.700+/-1.211 χ^2/NDF : 1971.6/61

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -234.501+/-0.149 χ^2 /NDF: 145046.5/16

Left Out: -271.076+/-0.107 χ^2 /NDF:182864.5/13

Right Out: -226.581+/-0.141 χ^2 /NDF: 98968.8/18

Left In: -284.566+/-0.114 χ^2 /NDF:30487.0/11

Left: -277.401+/-0.078 χ^2 /NDF: 220818.1/25

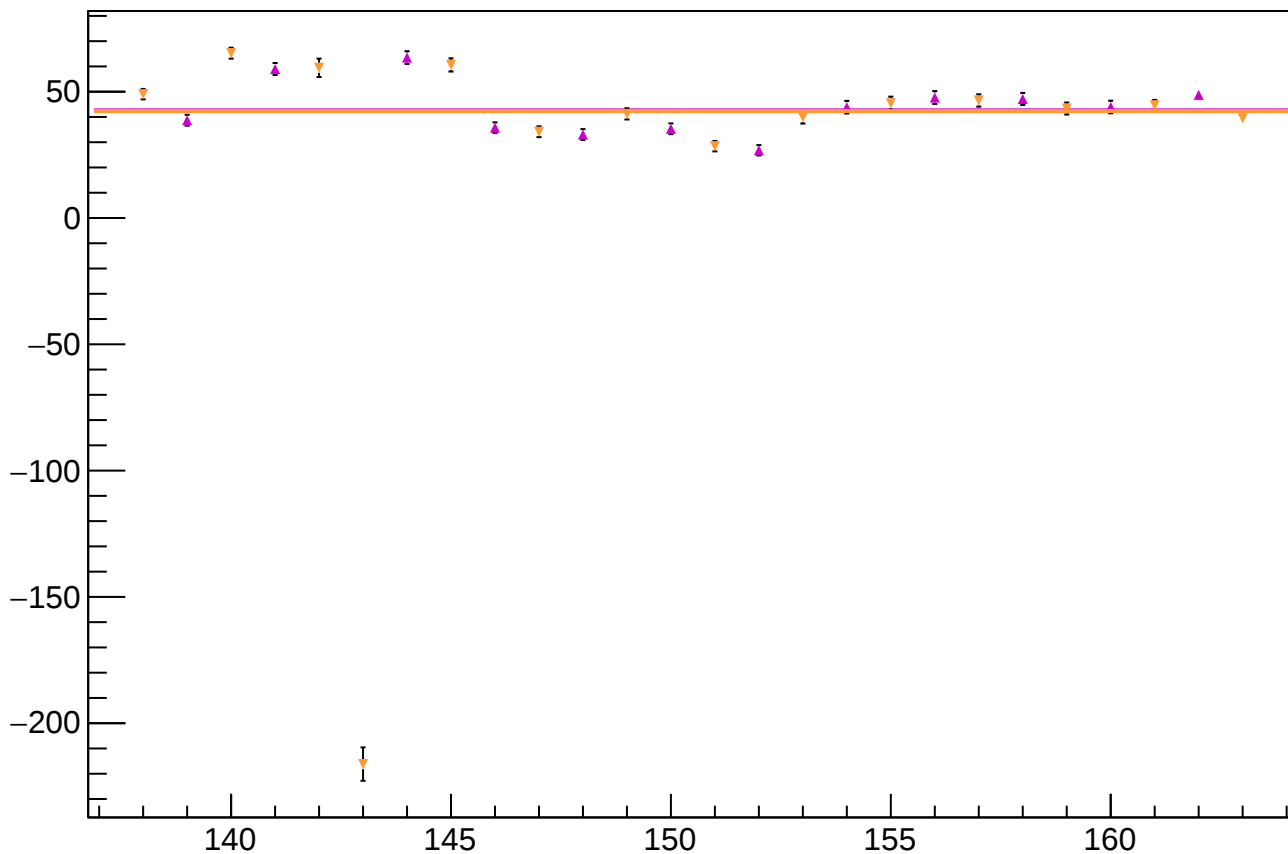
Right: -230.333+/-0.103 χ^2 /NDF: 245501.4/35

In: -266.131+/-0.090 χ^2 /NDF:246833.1/28

Out: -254.895+/-0.085 χ^2 /NDF:344837.3/32

All: -260.183+/-0.062 χ^2 /NDF: 599841.2/61

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 42.336 $\pm$ 0.637 χ^2 /NDF:1790.0/13

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 42.615 $\pm$ 0.649 χ^2 /NDF:240.0/11

Left: 42.473 $\pm$ 0.455 χ^2 /NDF: 2030.1/25

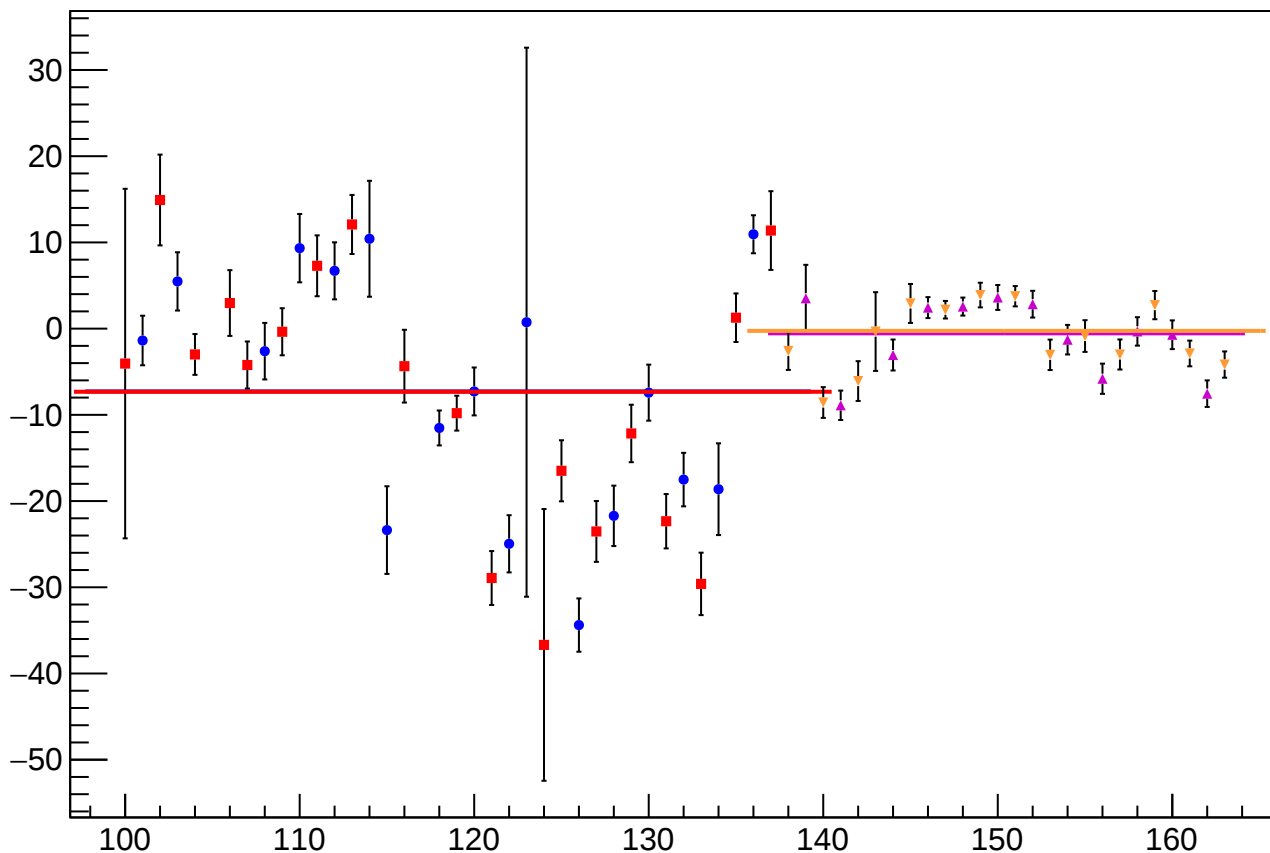
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 42.615 $\pm$ 0.649 χ^2 /NDF:240.0/11

Out: 42.336 $\pm$ 0.637 χ^2 /NDF:1790.0/13

All: 42.473 $\pm$ 0.455 χ^2 /NDF: 2030.1/25

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: -0.260 ± 0.433 χ^2/NDF : 75.1/13

Right Out: -7.323 ± 0.761 χ^2/NDF : 255.3/18

Left In: -0.548 ± 0.446 χ^2/NDF : 84.8/11

Left: -0.400 ± 0.311 χ^2/NDF : 160.2/25

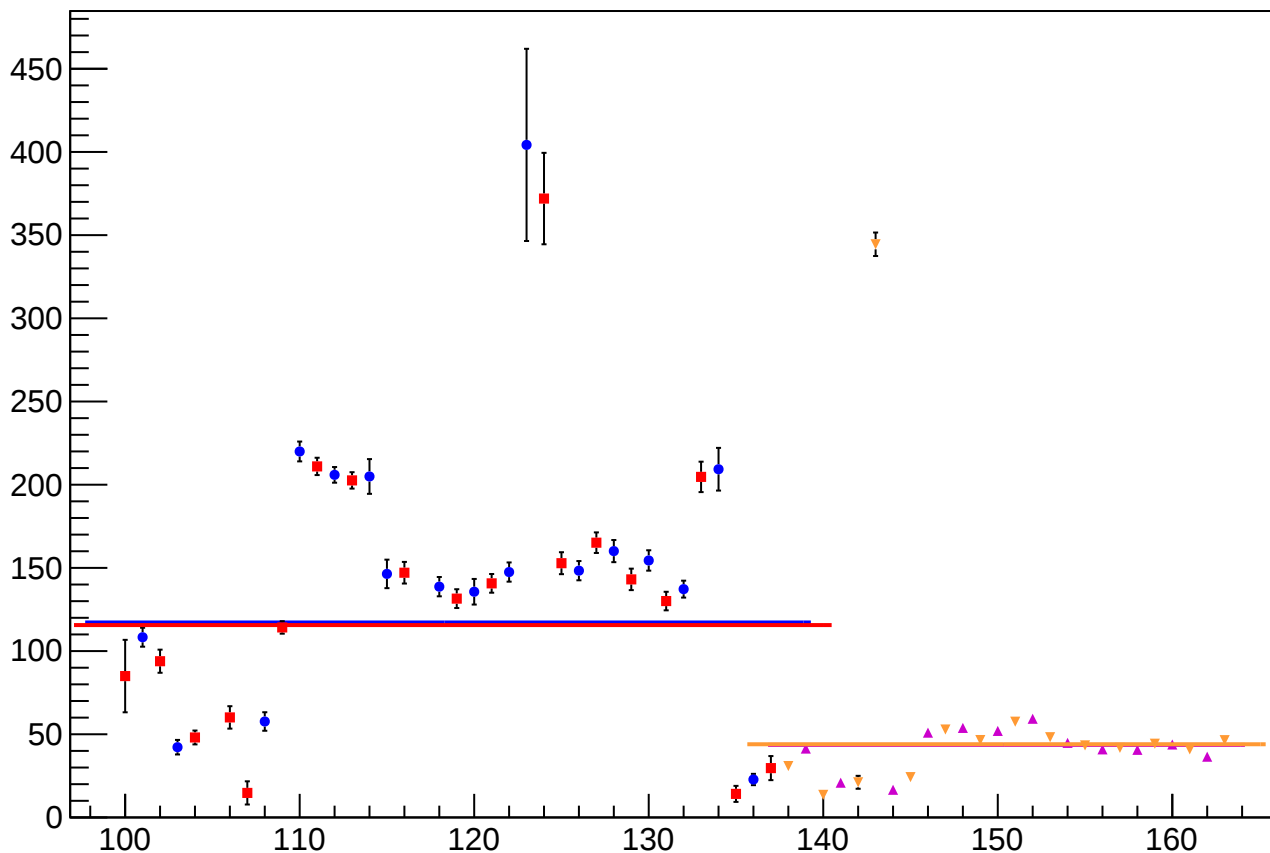
Right: -7.304 ± 0.548 χ^2/NDF : 538.5/35

In: -2.181 ± 0.388 χ^2/NDF : 423.3/28

Out: -1.990 ± 0.376 χ^2/NDF : 395.5/32

All: -2.083 ± 0.270 χ^2/NDF : 818.9/61

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 117.187+/-1.416 χ^2/NDF : 2161.0/16

Left Out: 43.995+/-0.619 χ^2/NDF :2183.7/13

Right Out: 115.632+/-1.361 χ^2/NDF : 2137.6/18

Left In: 43.604+/-0.628 χ^2/NDF :321.5/11

Left: 43.803+/-0.441 χ^2/NDF : 2505.4/25

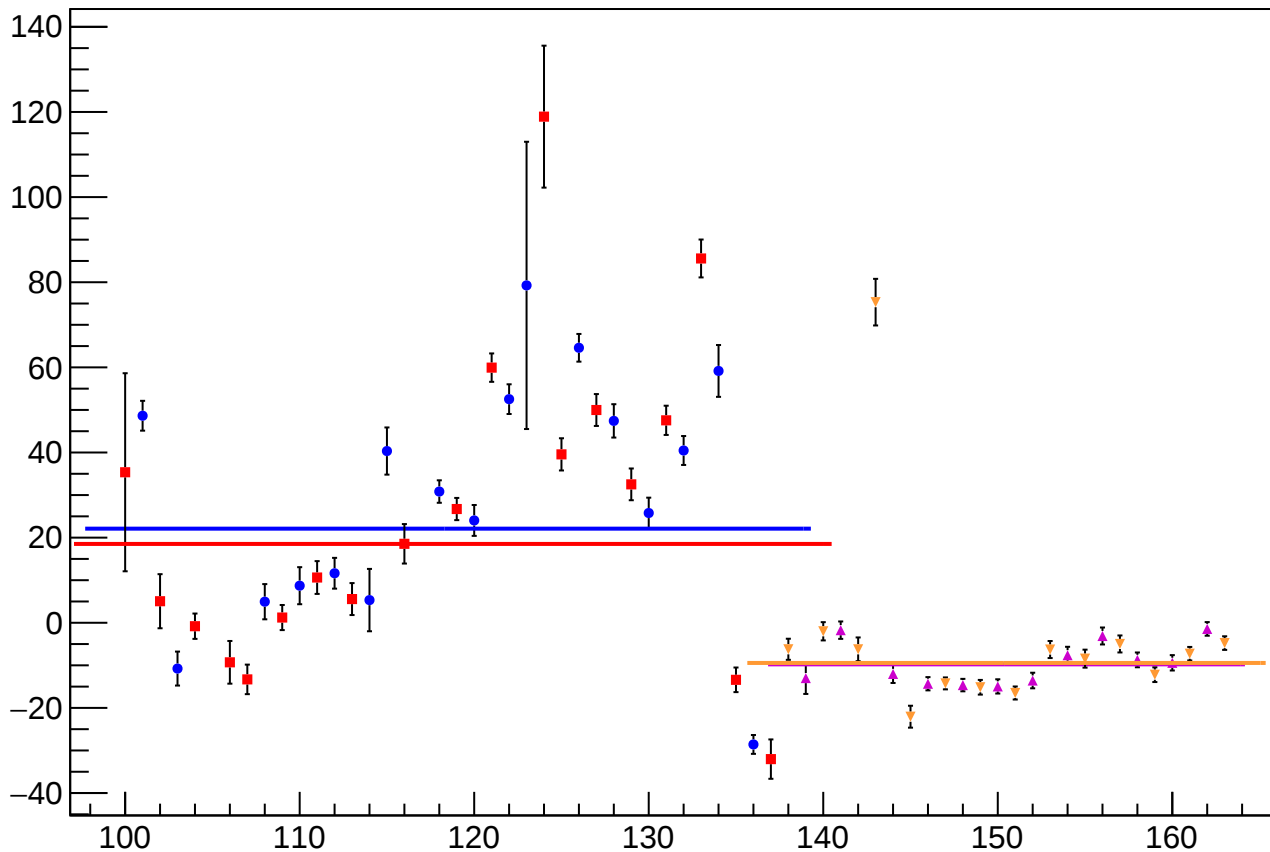
Right: 116.378+/-0.981 χ^2/NDF : 4299.2/35

In: 55.700+/-0.574 χ^2/NDF :4737.8/28

Out: 56.285+/-0.564 χ^2/NDF :6616.4/32

All: 55.998+/-0.402 χ^2/NDF : 11354.8/61

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: -9.440 $\pm$ 0.512 χ^2 /NDF:343.3/13

Right Out: 18.521 $\pm$ 0.871 χ^2 /NDF: 1068.6/18

Left In: -9.772 $\pm$ 0.527 χ^2 /NDF:90.7/11

Left: -9.601 $\pm$ 0.367 χ^2 /NDF: 434.1/25

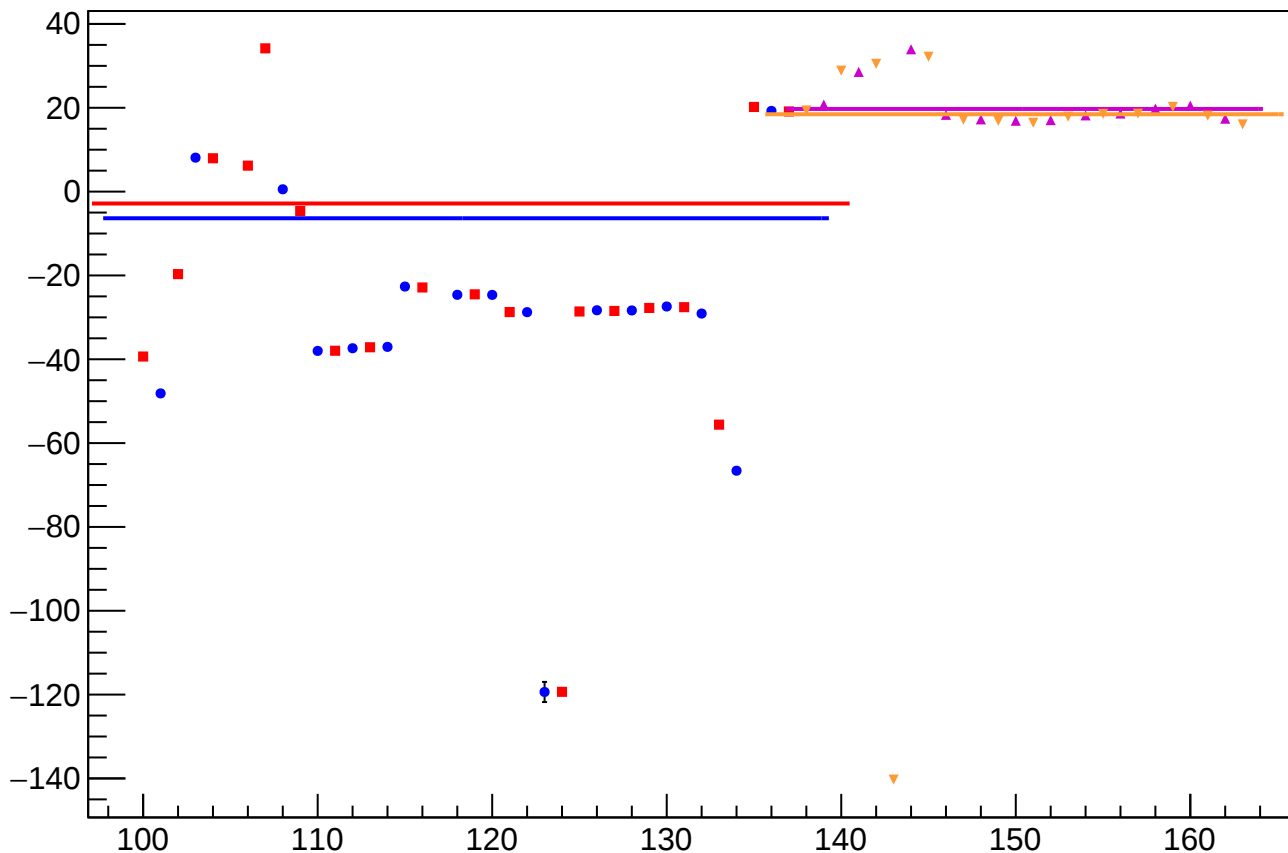
Right: 20.261 $\pm$ 0.625 χ^2 /NDF: 2147.1/35

In: -1.609 $\pm$ 0.454 χ^2 /NDF:2098.4/28

Out: -2.257 $\pm$ 0.442 χ^2 /NDF:2177.3/32

All: -1.942 $\pm$ 0.317 χ^2 /NDF: 4276.8/61

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: 18.455 ± 0.024 χ^2/NDF : 350105.5/13

Right Out: -2.837 ± 0.046 χ^2/NDF : 265573.0/18

Left In: 19.719 ± 0.024 χ^2/NDF : 27285.6/11

Left: 19.080 ± 0.017 χ^2/NDF : 378738.8/25

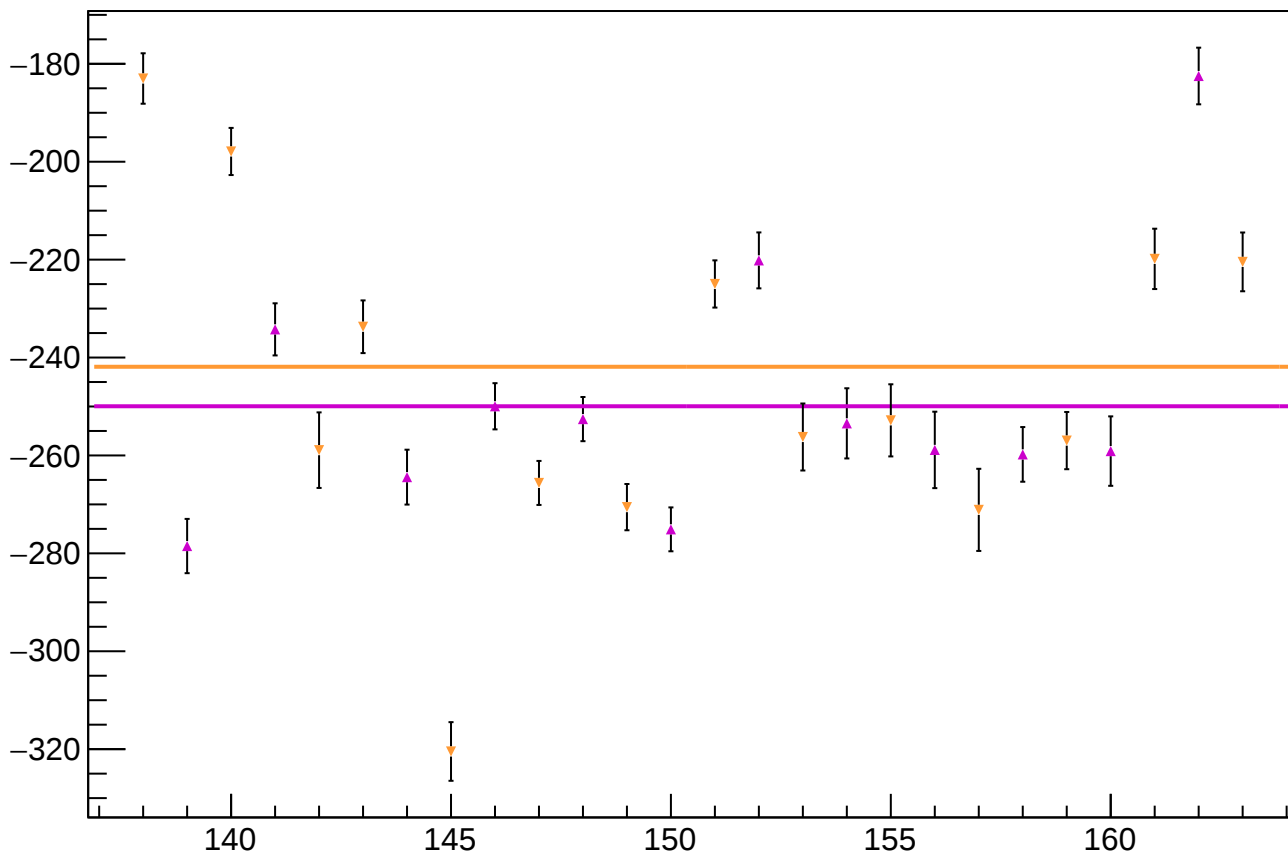
Right: -4.577 ± 0.033 χ^2/NDF : 533252.4/35

In: 14.029 ± 0.022 χ^2/NDF : 539932.1/28

Out: 13.797 ± 0.021 χ^2/NDF : 784922.9/32

All: 13.912 ± 0.015 χ^2/NDF : 1324913.4/61

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: -241.885 $\pm$ 1.517 χ^2/NDF :521.2/13

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left In: -249.953 $\pm$ 1.598 χ^2/NDF :243.2/11

Left: -245.710 $\pm$ 1.100 χ^2/NDF : 777.8/25

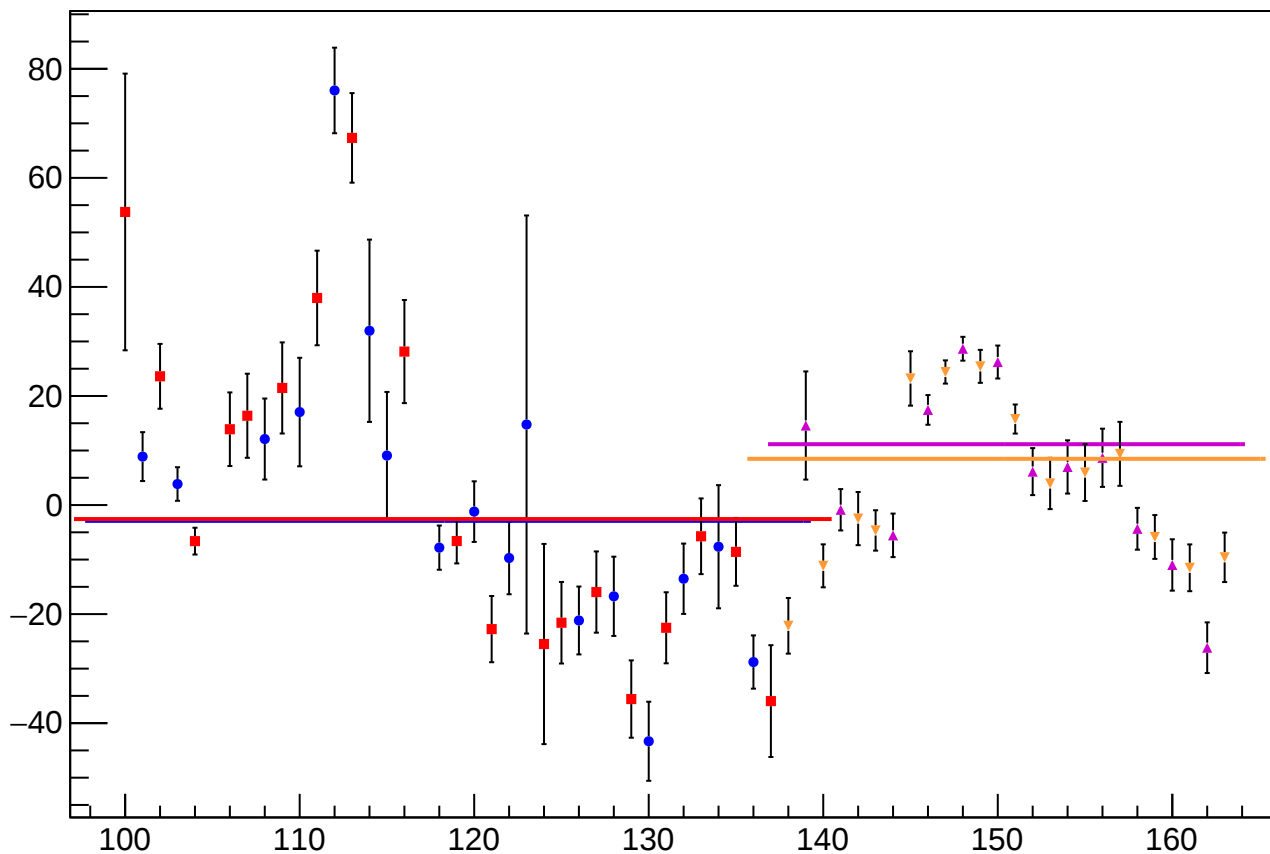
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -249.953 $\pm$ 1.598 χ^2/NDF :243.2/11

Out: -241.885 $\pm$ 1.517 χ^2/NDF :521.2/13

All: -245.710 $\pm$ 1.100 χ^2/NDF : 777.8/25

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: 8.478 ± 0.998 χ^2/NDF : 233.4/13

Right Out: -2.570 ± 1.396 χ^2/NDF : 218.2/18

Left In: 11.156 ± 1.062 χ^2/NDF : 227.3/11

Left: 9.734 ± 0.727 χ^2/NDF : 464.1/25

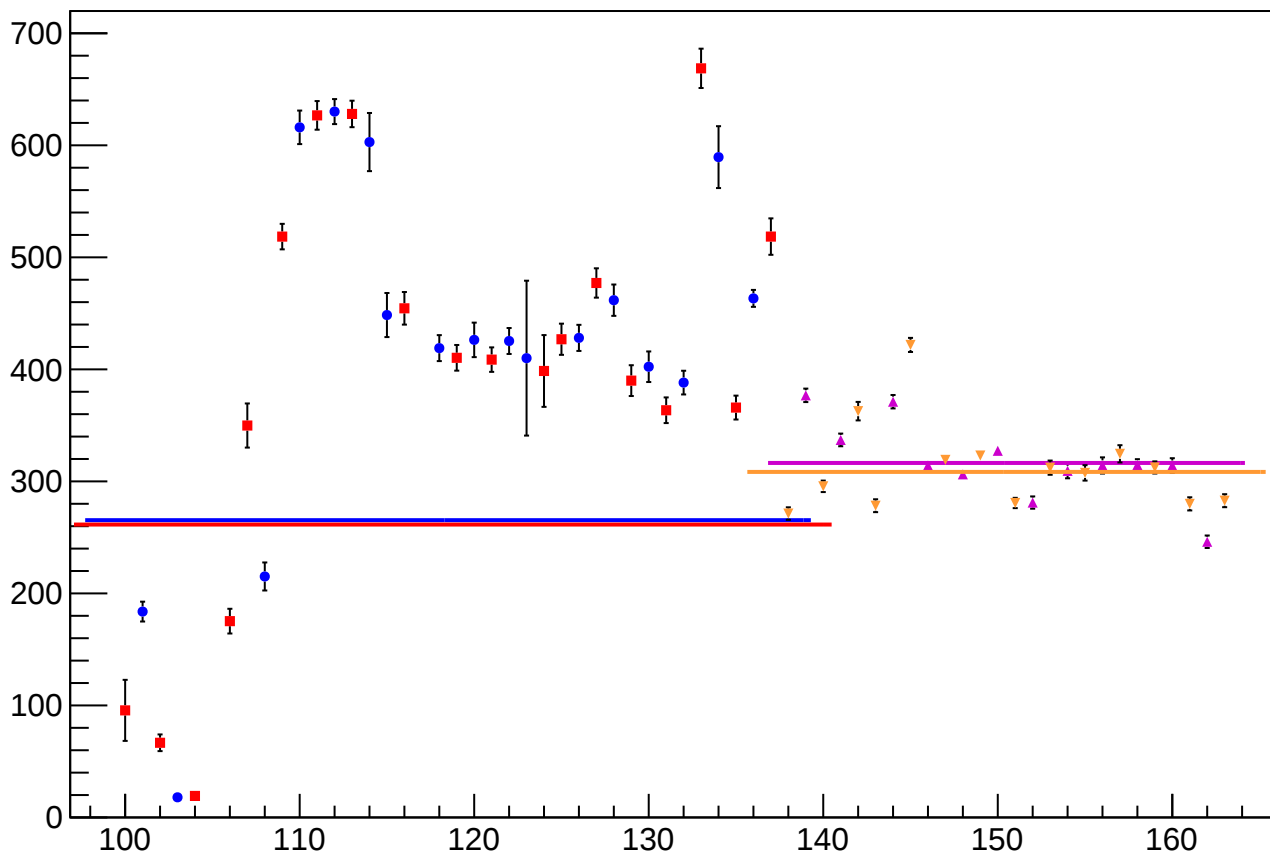
Right: -2.728 ± 1.011 χ^2/NDF : 421.8/35

In: 6.323 ± 0.860 χ^2/NDF : 491.1/28

Out: 4.743 ± 0.812 χ^2/NDF : 493.1/32

All: 5.487 ± 0.590 χ^2/NDF : 986.0/61

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: 308.452 $\pm$ 1.489 χ^2 /NDF:548.2/13

Right Out: 261.465 $\pm$ 2.458 χ^2 /NDF: 8204.3/18

Left In: 316.450 $\pm$ 1.549 χ^2 /NDF:412.6/11

Left: 312.292 $\pm$ 1.073 χ^2 /NDF: 974.7/25

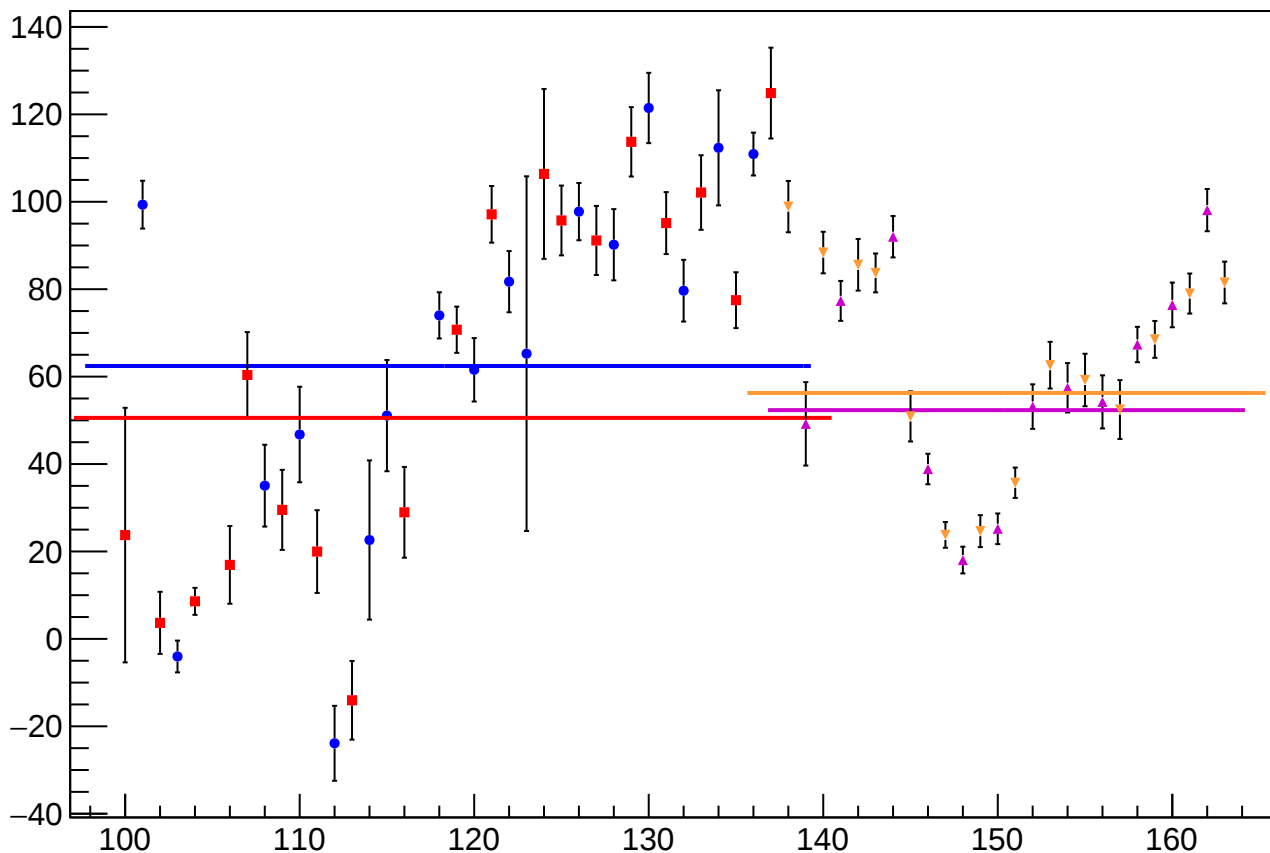
Right: 263.393 $\pm$ 1.749 χ^2 /NDF: 15839.3/35

In: 302.179 $\pm$ 1.315 χ^2 /NDF:8350.2/28

Out: 295.842 $\pm$ 1.273 χ^2 /NDF:9019.9/32

All: 298.908 $\pm$ 0.915 χ^2 /NDF: 17382.1/61

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: 56.260+/-1.205 χ^2/NDF : 457.1/13

Right Out: 50.560+/-1.642 χ^2/NDF : 657.4/18

Left In: 52.330+/-1.277 χ^2/NDF : 427.5/11

Left: 54.410+/-0.876 χ^2/NDF : 889.6/25

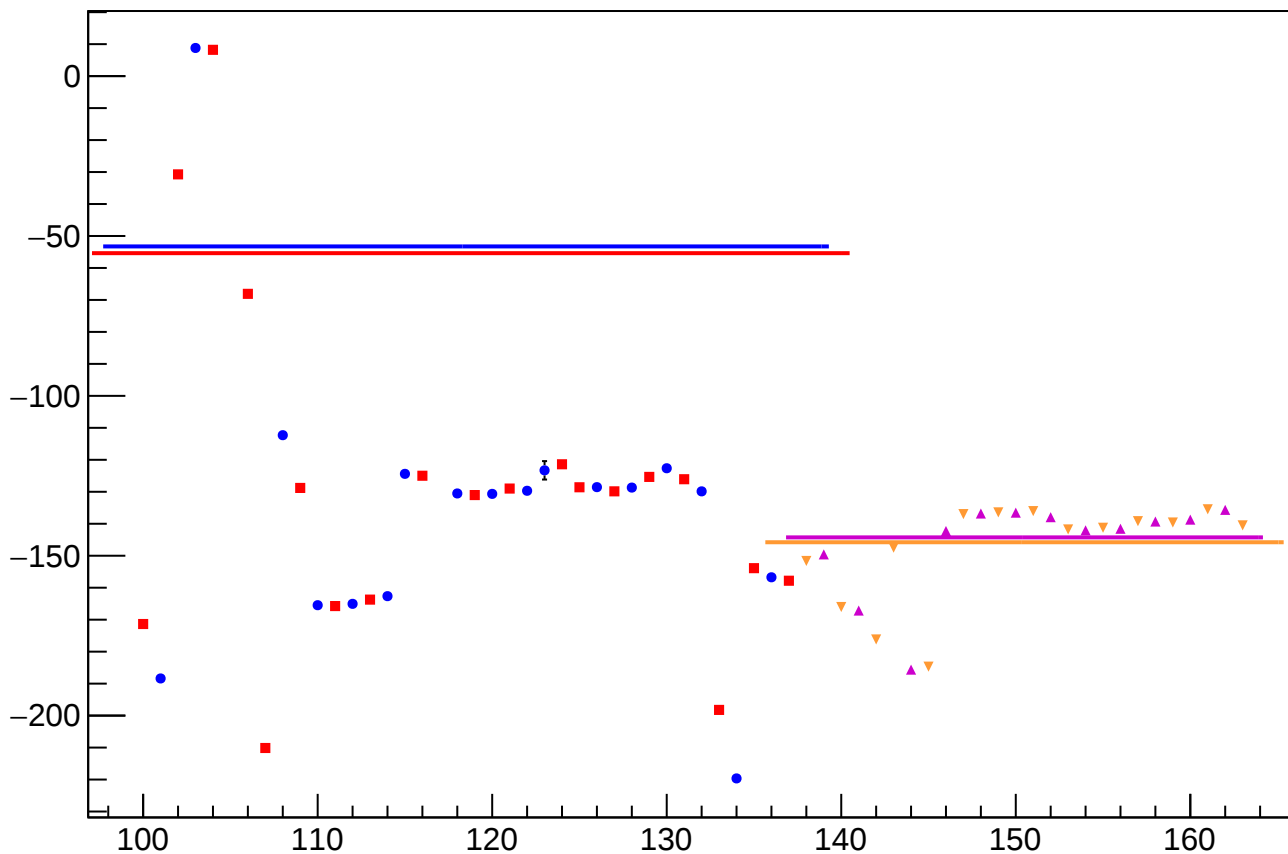
Right: 56.313+/-1.179 χ^2/NDF : 1404.5/35

In: 55.993+/-1.020 χ^2/NDF : 1171.9/28

Out: 54.266+/-0.971 χ^2/NDF : 1122.3/32

All: 55.087+/-0.703 χ^2/NDF : 2295.8/61

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -53.264 ± 0.070 $\chi^2/\text{NDF}: 1225492.9/16$

Left Out: -145.784 ± 0.060 $\chi^2/\text{NDF}: 53634.4/13$

Right Out: -55.373 ± 0.072 $\chi^2/\text{NDF}: 967027.2/18$

Left In: -144.262 ± 0.061 $\chi^2/\text{NDF}: 42930.0/11$

Left: -145.045 ± 0.043 $\chi^2/\text{NDF}: 96880.2/25$

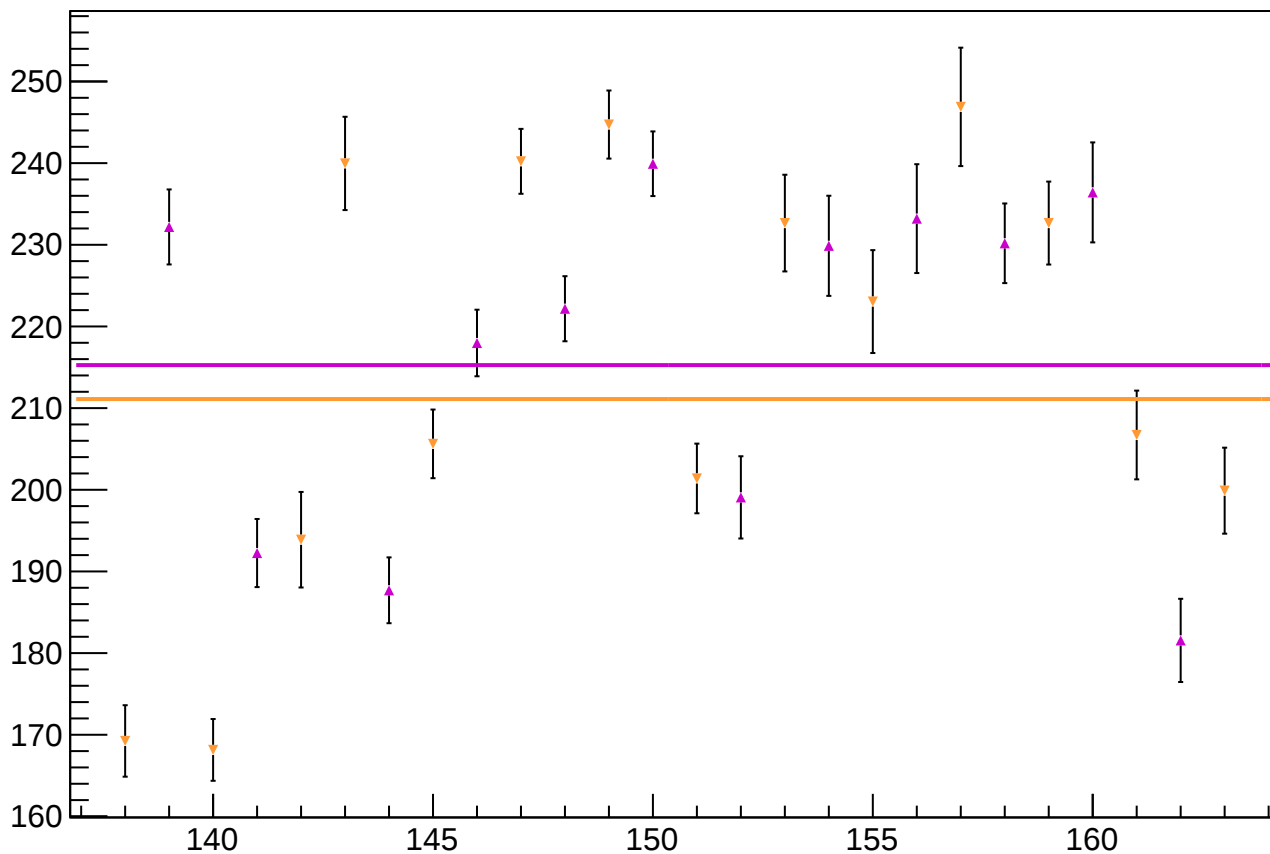
Right: -54.295 ± 0.050 $\chi^2/\text{NDF}: 2192958.9/35$

In: -104.913 ± 0.046 $\chi^2/\text{NDF}: 2216411.2/28$

Out: -108.906 ± 0.046 $\chi^2/\text{NDF}: 1955588.3/32$

All: -106.924 ± 0.033 $\chi^2/\text{NDF}: 4175746.2/61$

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: 211.111+/-1.295 χ^2/NDF :444.7/13

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

Left In: 215.267+/-1.349 χ^2/NDF :221.4/11

Left: 213.104+/-0.935 χ^2/NDF : 671.0/25

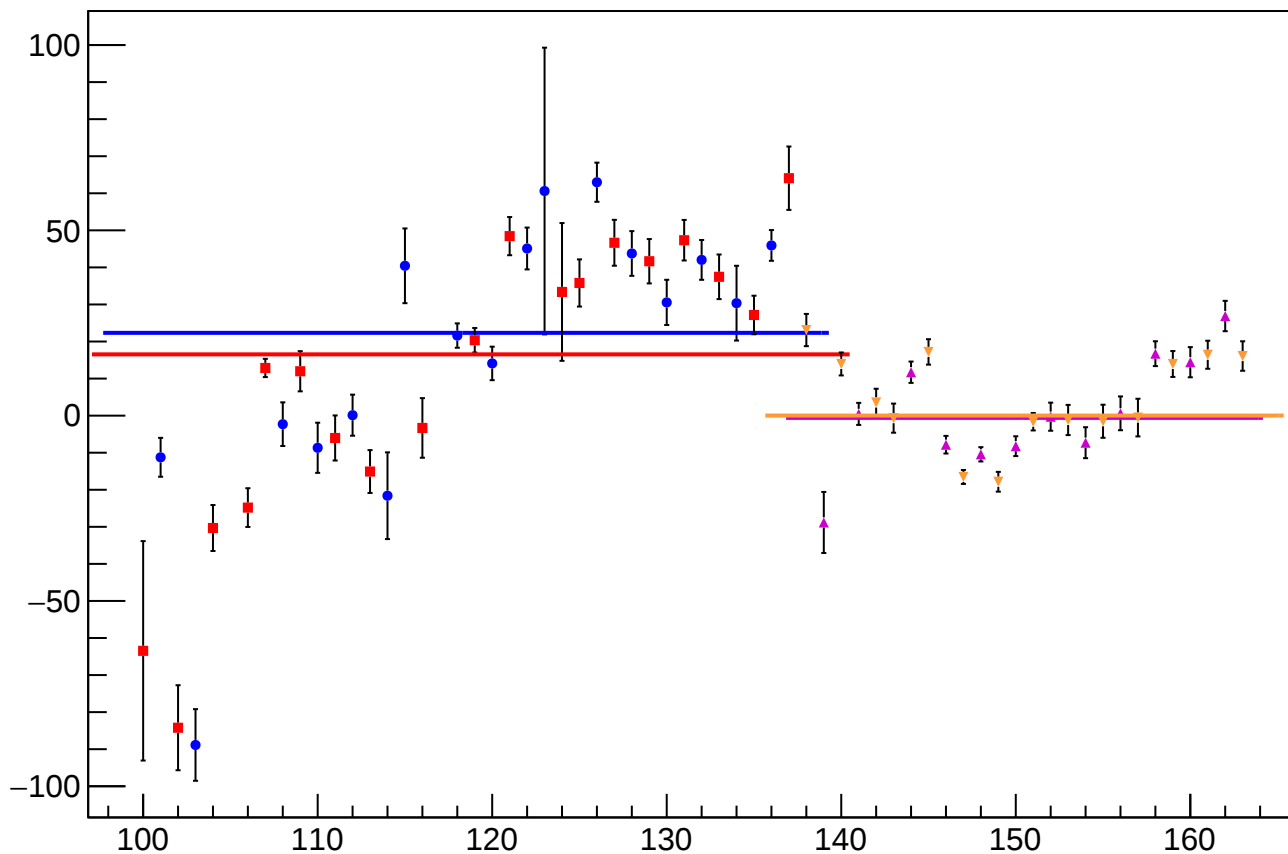
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 215.267+/-1.349 χ^2/NDF :221.4/11

Out: 211.111+/-1.295 χ^2/NDF :444.7/13

All: 213.104+/-0.935 χ^2/NDF : 671.0/25

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.342 $\pm$ 1.395 χ^2 /NDF: 385.8/16

Left Out: 0.027 $\pm$ 0.862 χ^2 /NDF: 248.1/13

Right Out: 16.537 $\pm$ 1.227 χ^2 /NDF: 426.6/18

Left In: -0.607 $\pm$ 0.906 χ^2 /NDF: 161.6/11

Left: -0.274 $\pm$ 0.624 χ^2 /NDF: 410.0/25

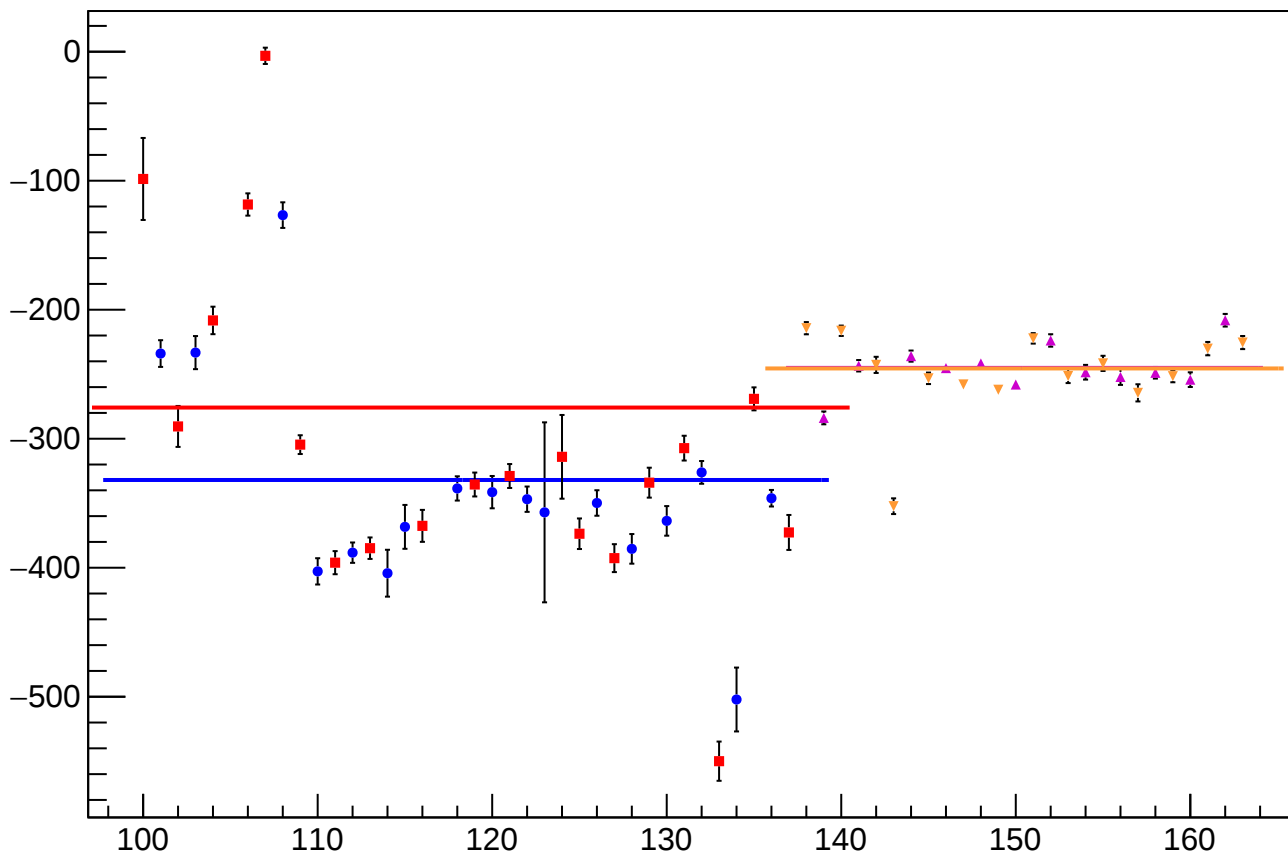
Right: 19.069 $\pm$ 0.922 χ^2 /NDF: 822.2/35

In: 6.202 $\pm$ 0.760 χ^2 /NDF: 737.7/28

Out: 5.479 $\pm$ 0.705 χ^2 /NDF: 795.9/32

All: 5.814 $\pm$ 0.517 χ^2 /NDF: 1534.1/61

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: -245.528 ± 1.277 χ^2/NDF : 503.5/13

Right Out: -275.842 ± 2.325 χ^2/NDF : 3362.2/18

Left In: -245.097 ± 1.316 χ^2/NDF : 159.4/11

Left: -245.319 ± 0.916 χ^2/NDF : 663.0/25

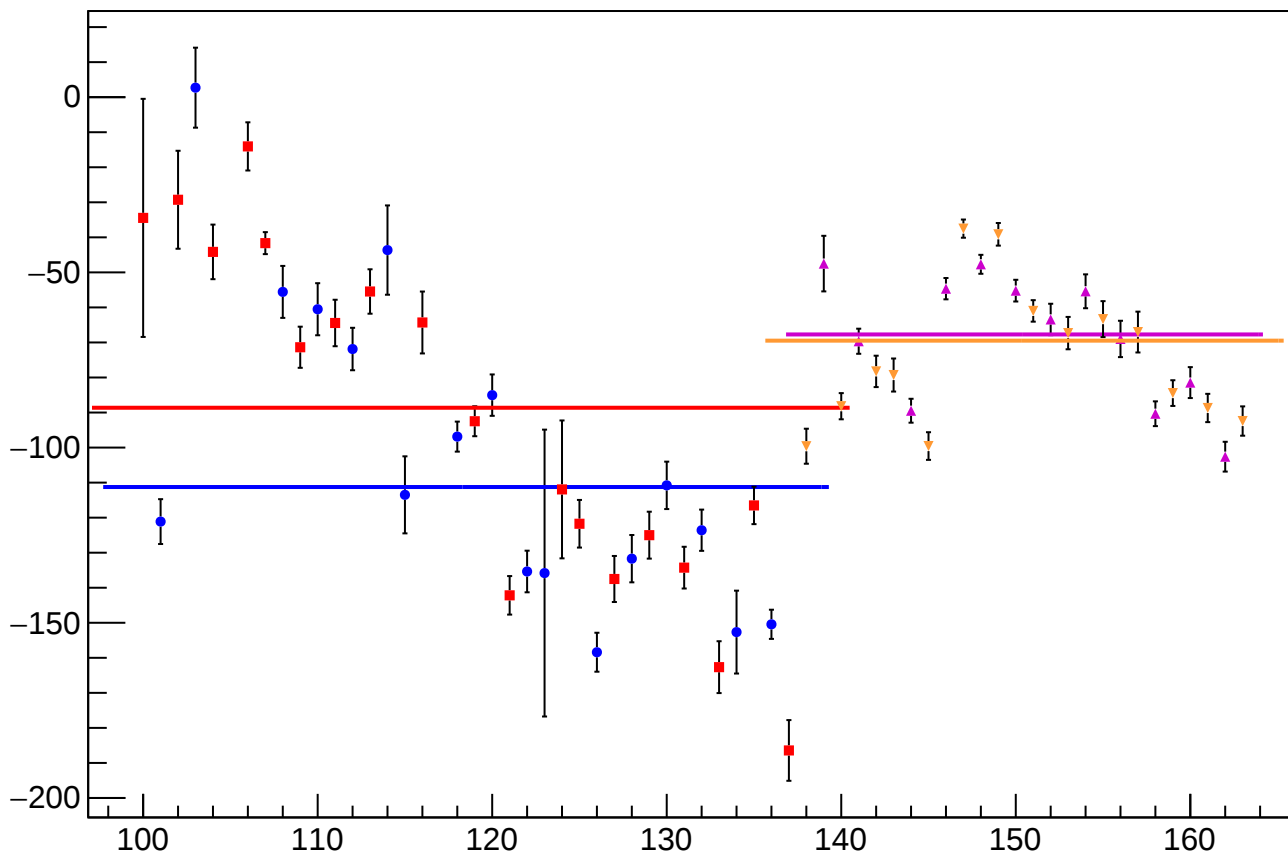
Right: -300.997 ± 1.727 χ^2/NDF : 4408.6/35

In: -263.038 ± 1.172 χ^2/NDF : 1844.3/28

Out: -252.552 ± 1.119 χ^2/NDF : 3996.4/32

All: -257.551 ± 0.809 χ^2/NDF : 5882.6/61

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: -69.483 ± 1.038 χ^2/NDF : 446.4/13

Right Out: -88.633 ± 1.433 χ^2/NDF : 971.0/18

Left In: -67.712 ± 1.087 χ^2/NDF : 262.6/11

Left: -68.639 ± 0.751 χ^2/NDF : 710.4/25

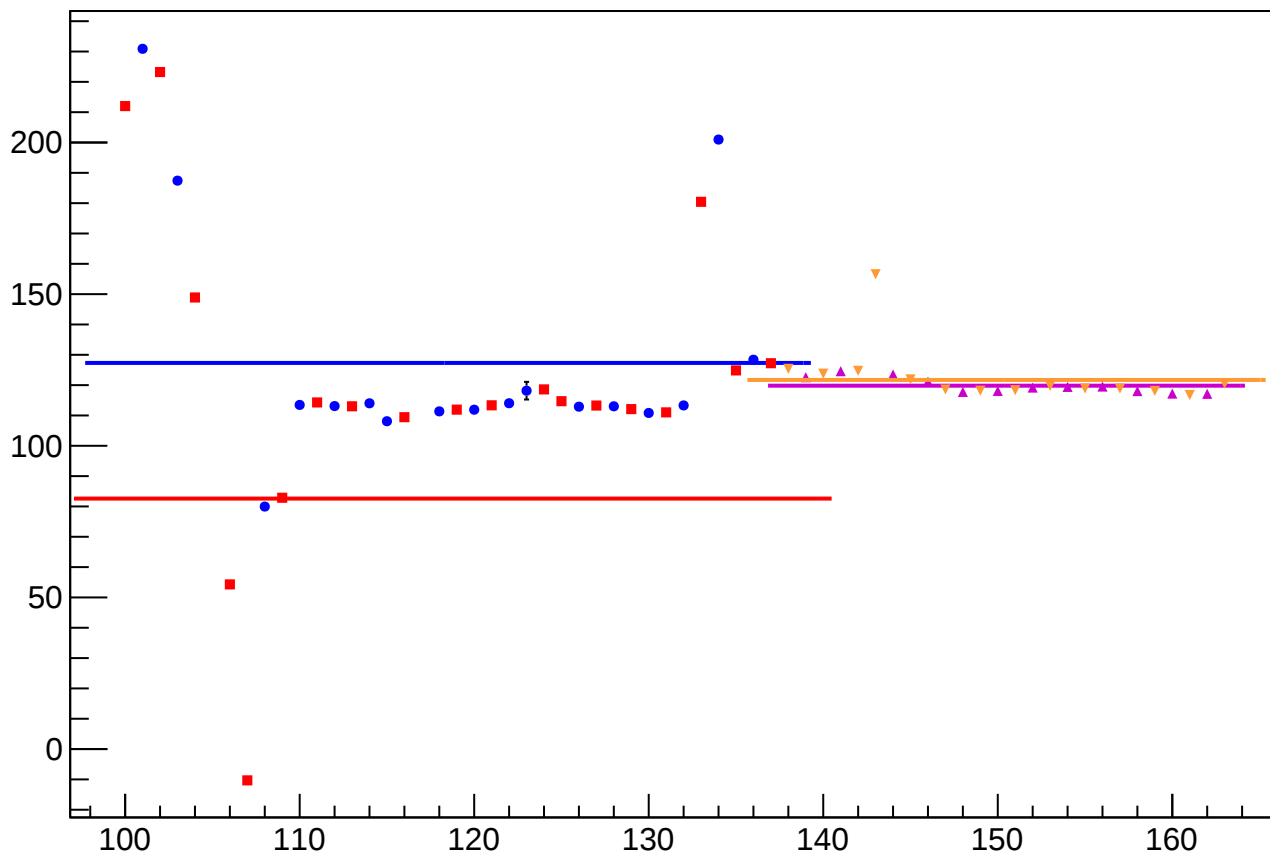
Right: -98.723 ± 1.067 χ^2/NDF : 1591.7/35

In: -81.505 ± 0.899 χ^2/NDF : 1280.0/28

Out: -76.073 ± 0.841 χ^2/NDF : 1534.5/32

All: -78.607 ± 0.614 χ^2/NDF : 2834.0/61

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: 121.715+/-0.051 χ^2/NDF : 23673.1/13

Right Out: 82.595+/-0.075 χ^2/NDF : 765022.5/18

Left In: 119.820+/-0.052 χ^2/NDF : 2179.4/11

Left: 120.788+/-0.037 χ^2/NDF : 26524.2/25

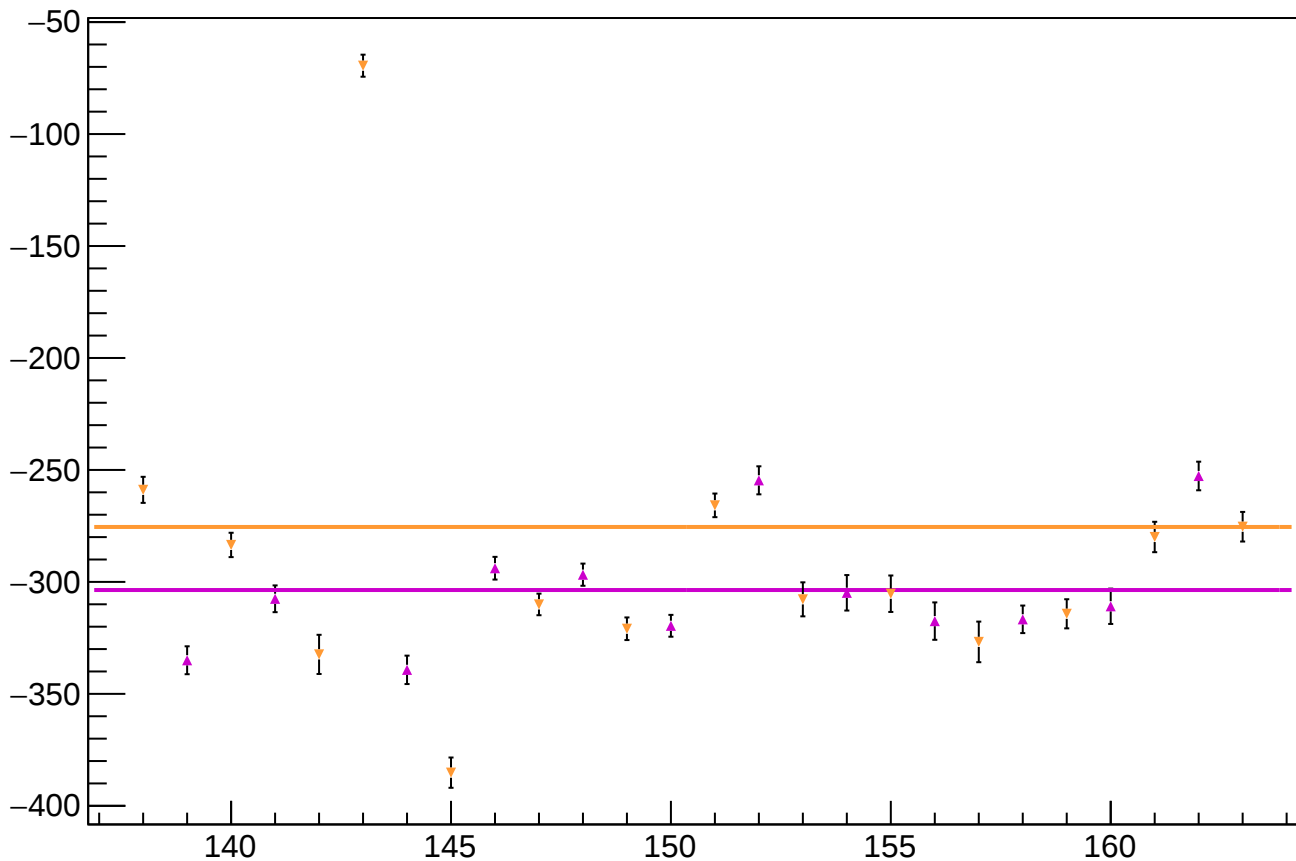
Right: 101.169+/-0.058 χ^2/NDF : 1099026.8/35

In: 121.730+/-0.045 χ^2/NDF : 195201.6/28

Out: 109.376+/-0.042 χ^2/NDF : 973105.3/32

All: 115.159+/-0.031 χ^2/NDF : 1208170.6/61

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: -275.466+/-1.643 χ^2/NDF :2301.7/13

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

Left In: -303.629+/-1.759 χ^2/NDF :206.6/11

Left: -288.585+/-1.201 χ^2/NDF : 2645.1/25

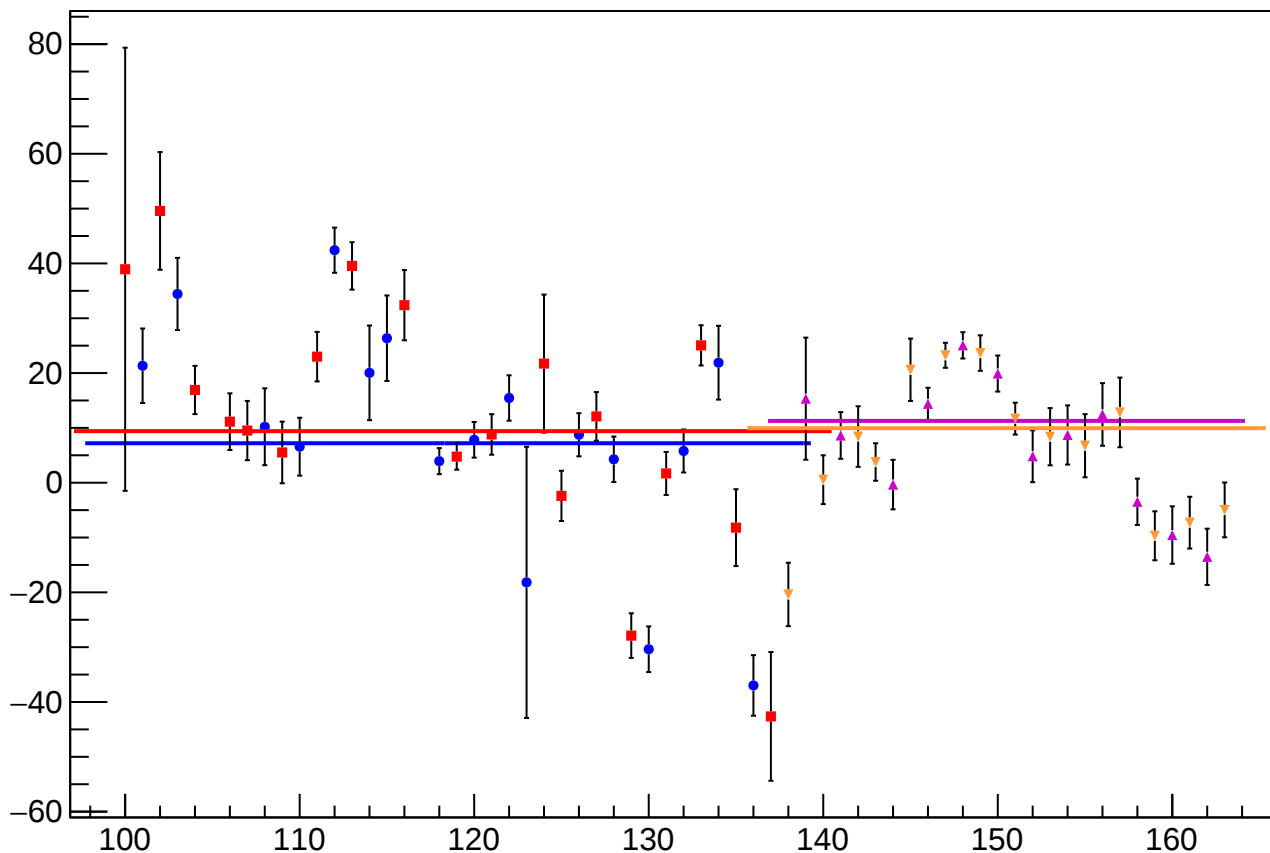
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -303.629+/-1.759 χ^2/NDF :206.6/11

Out: -275.466+/-1.643 χ^2/NDF :2301.7/13

All: -288.585+/-1.201 χ^2/NDF : 2645.1/25

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: 9.947 ± 1.077 χ^2/NDF : 133.1/13

Right Out: 9.403 ± 1.071 χ^2/NDF : 232.2/18

Left In: 11.276 ± 1.167 χ^2/NDF : 101.6/11

Left: 10.558 ± 0.792 χ^2/NDF : 235.4/25

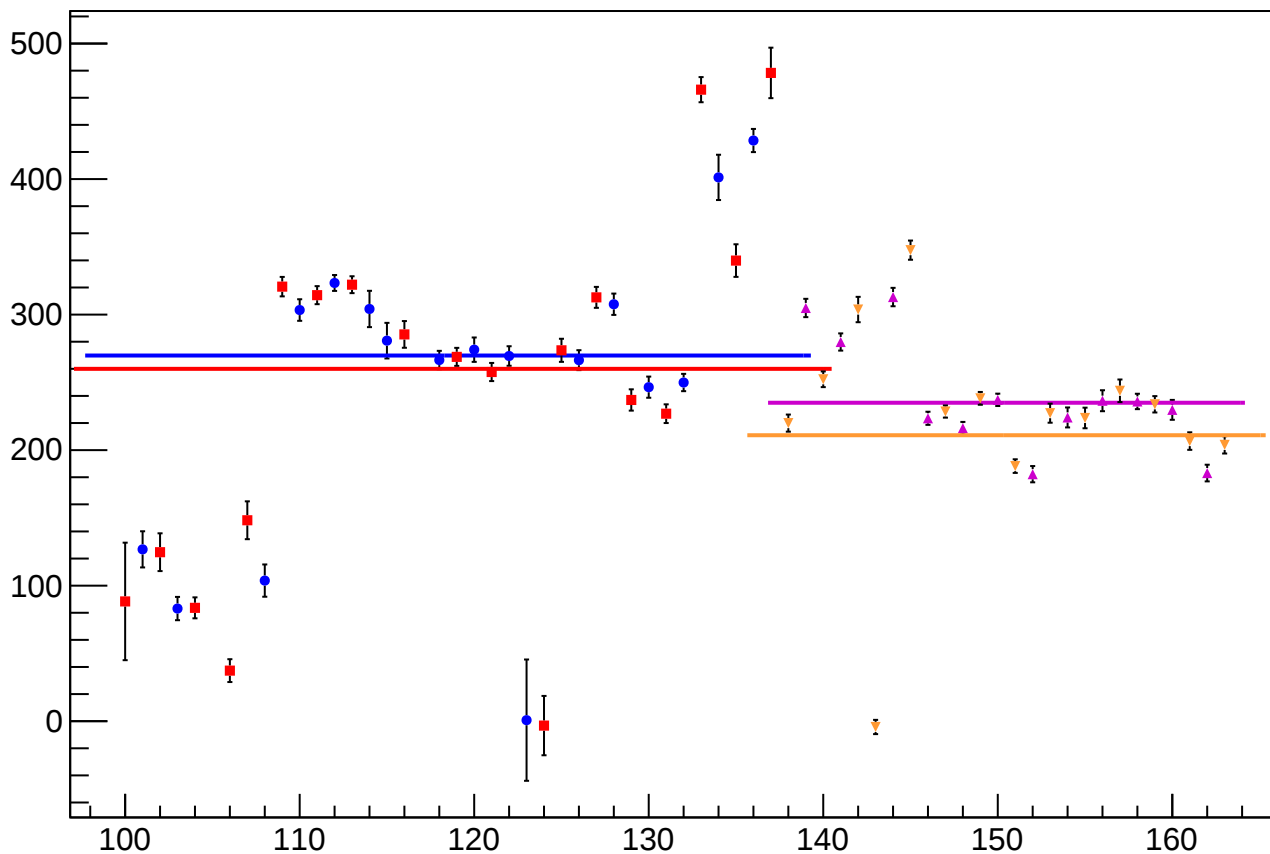
Right: 8.333 ± 0.768 χ^2/NDF : 495.1/35

In: 9.123 ± 0.802 χ^2/NDF : 368.9/28

Out: 9.673 ± 0.760 χ^2/NDF : 365.4/32

All: 9.413 ± 0.551 χ^2/NDF : 734.5/61

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 269.806 $\pm$ 2.089 χ^2 /NDF: 1374.1/16

Left Out: 210.993 $\pm$ 1.613 χ^2 /NDF:2309.0/13

Right Out: 259.980 $\pm$ 1.977 χ^2 /NDF: 2538.6/18

Left In: 234.960 $\pm$ 1.704 χ^2 /NDF:462.3/11

Left: 222.325 $\pm$ 1.171 χ^2 /NDF: 2875.7/25

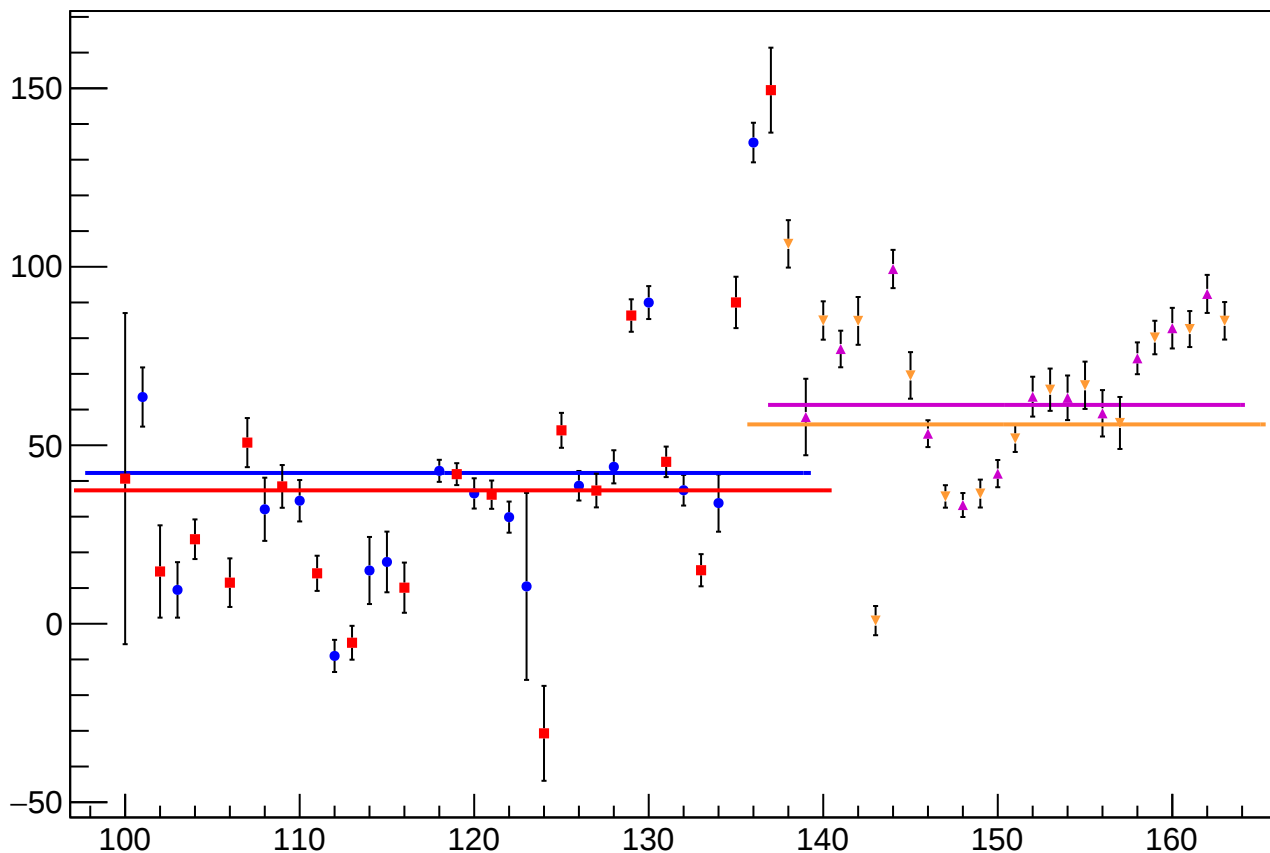
Right: 264.622 $\pm$ 1.436 χ^2 /NDF: 3924.4/35

In: 248.878 $\pm$ 1.320 χ^2 /NDF:2003.5/28

Out: 230.577 $\pm$ 1.250 χ^2 /NDF:5216.2/32

All: 239.227 $\pm$ 0.908 χ^2 /NDF: 7321.1/61

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.242 $\pm$ 1.274 χ^2 /NDF: 574.4/16

Left Out: 55.846 $\pm$ 1.302 χ^2 /NDF: 448.6/13

Right Out: 37.367 $\pm$ 1.235 χ^2 /NDF: 472.3/18

Left In: 61.306 $\pm$ 1.404 χ^2 /NDF: 217.0/11

Left: 58.372 $\pm$ 0.955 χ^2 /NDF: 673.7/25

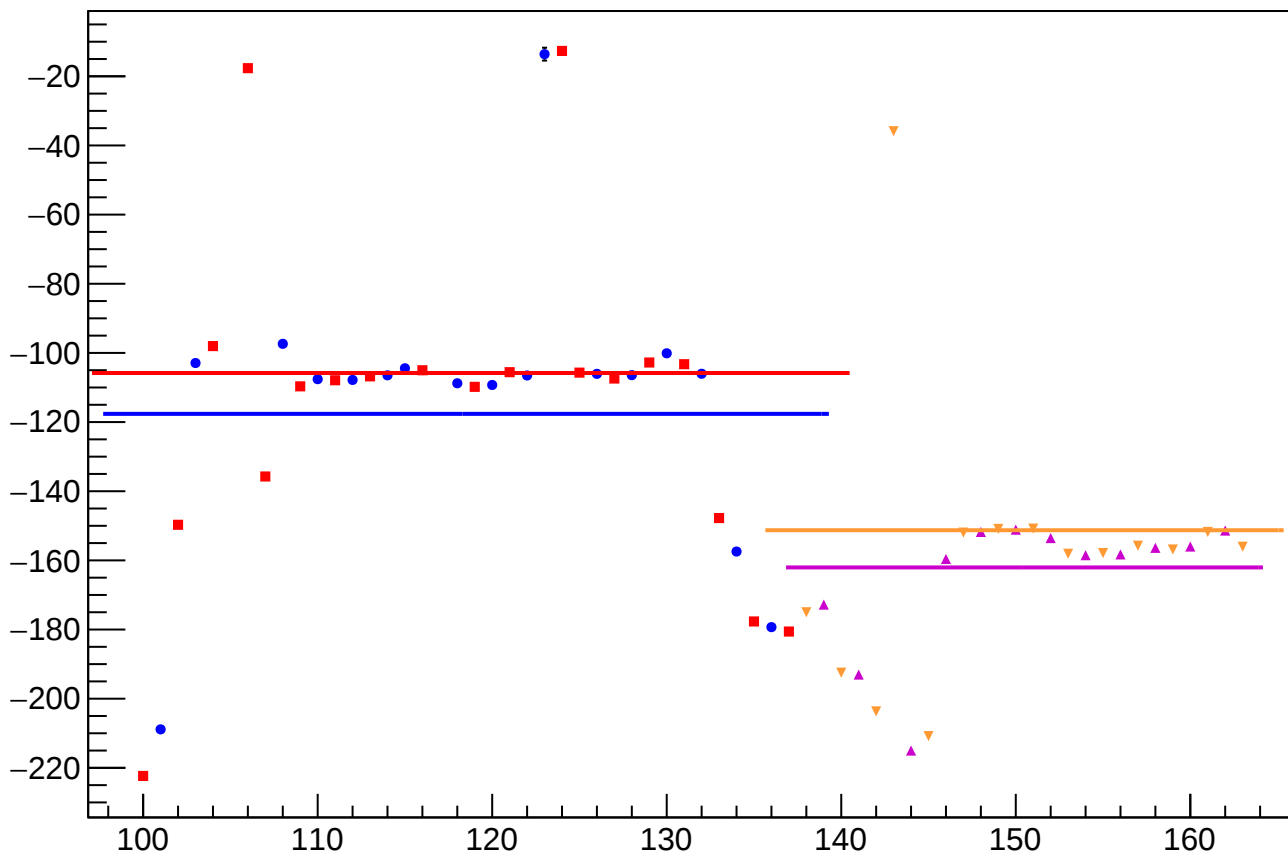
Right: 39.728 $\pm$ 0.886 χ^2 /NDF: 1054.2/35

In: 50.849 $\pm$ 0.943 χ^2 /NDF: 892.6/28

Out: 46.115 $\pm$ 0.896 χ^2 /NDF: 1027.0/32

All: 48.360 $\pm$ 0.650 χ^2 /NDF: 1932.8/61

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: -151.282+/-0.065 χ^2/NDF : 403619.3/13

Right Out: -105.807+/-0.073 χ^2/NDF : 323108.1/18

Left In: -162.042+/-0.068 χ^2/NDF : 59172.2/11

Left: -156.431+/-0.047 χ^2/NDF : 475992.6/25

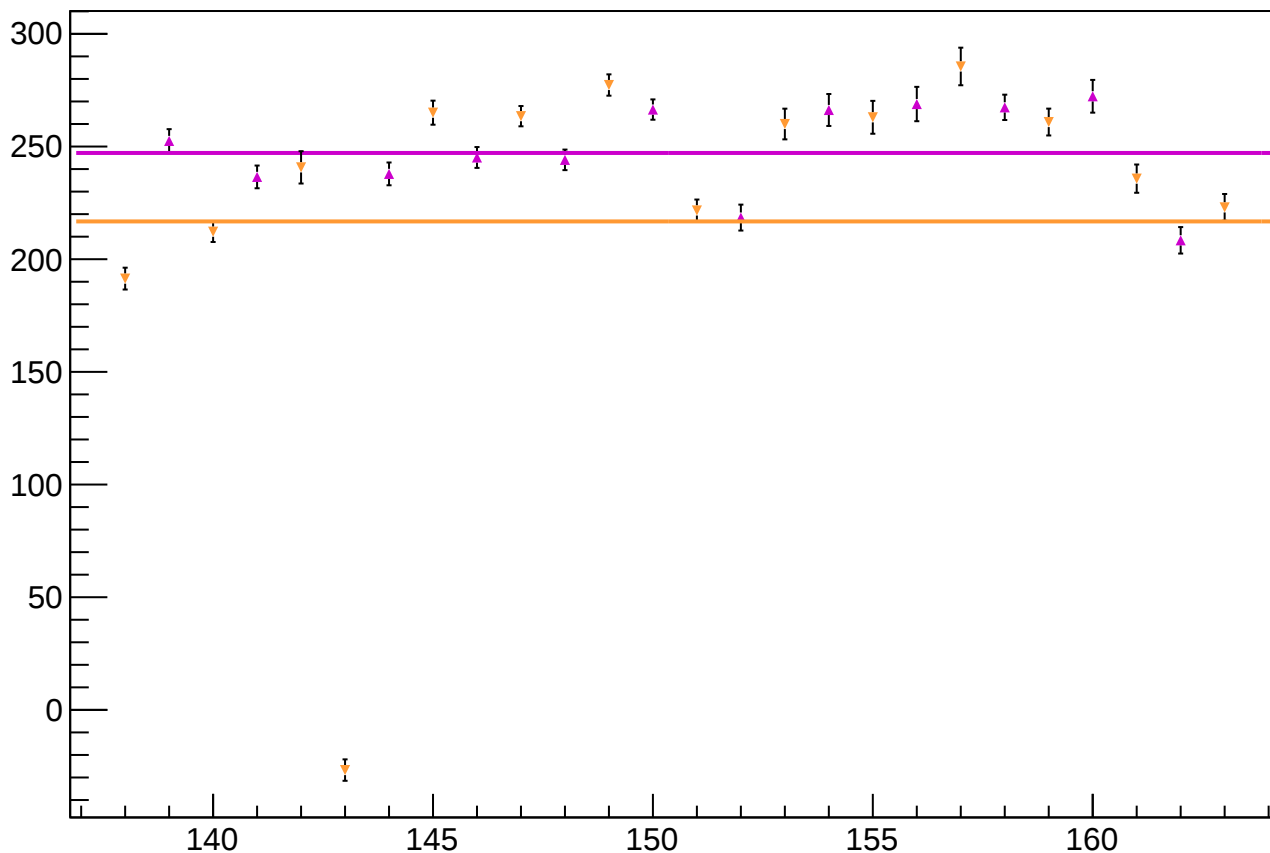
Right: -111.270+/-0.053 χ^2/NDF : 477157.6/35

In: -143.128+/-0.051 χ^2/NDF : 384740.1/28

Out: -131.188+/-0.048 χ^2/NDF : 944428.8/32

All: -136.818+/-0.035 χ^2/NDF : 1357858.5/61

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 216.768+/-1.470 χ^2/NDF :3229.8/13

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

Left In: 247.152+/-1.569 χ^2/NDF :136.5/11

Left: 230.973+/-1.073 χ^2/NDF : 3566.0/25

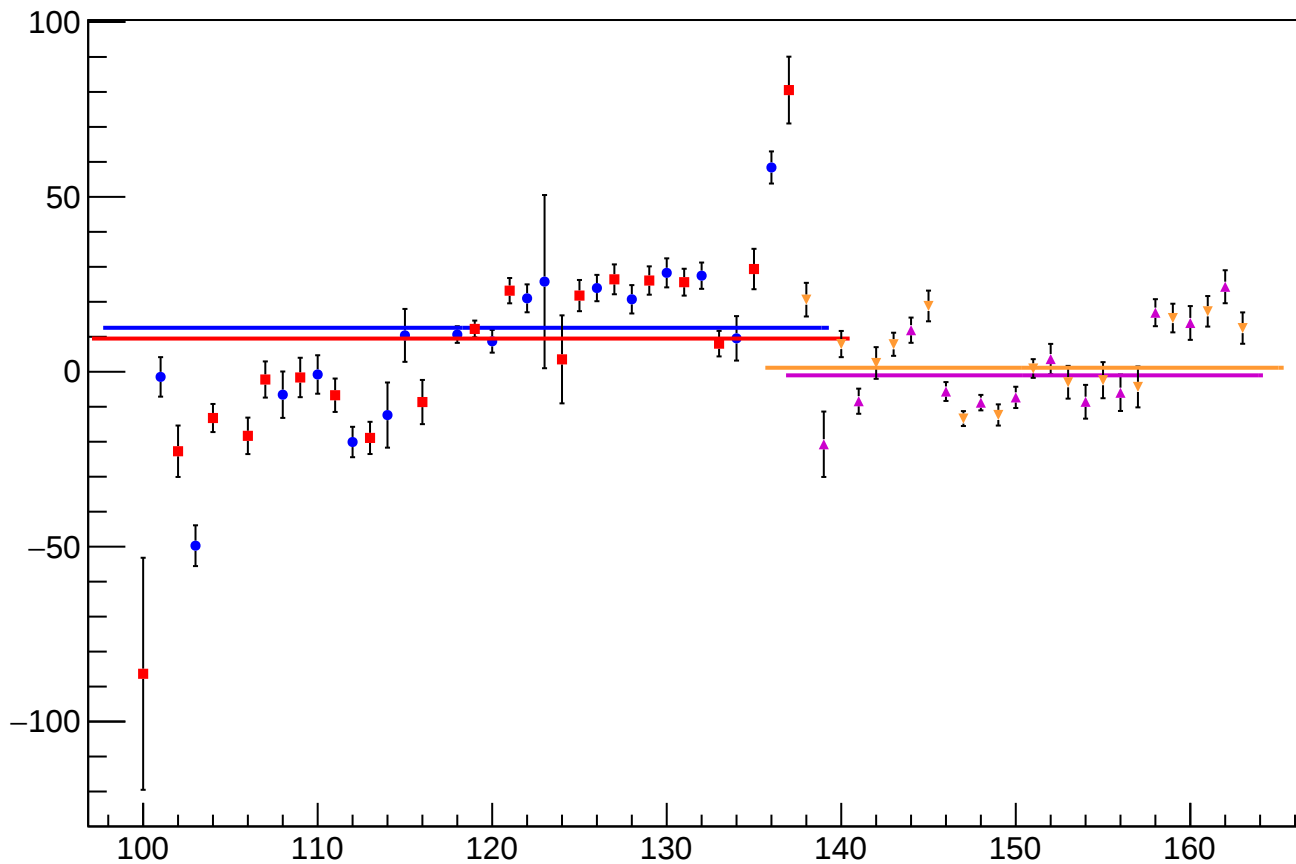
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 247.152+/-1.569 χ^2/NDF :136.5/11

Out: 216.768+/-1.470 χ^2/NDF :3229.8/13

All: 230.973+/-1.073 χ^2/NDF : 3566.0/25

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.574 $\pm$ 1.074 χ^2 /NDF: 348.0/16

Left Out: 1.149 $\pm$ 0.976 χ^2 /NDF:140.6/13

Right Out: 9.493 $\pm$ 1.047 χ^2 /NDF: 295.8/18

Left In: -1.022 $\pm$ 1.052 χ^2 /NDF:105.7/11

Left: 0.145 $\pm$ 0.716 χ^2 /NDF: 248.5/25

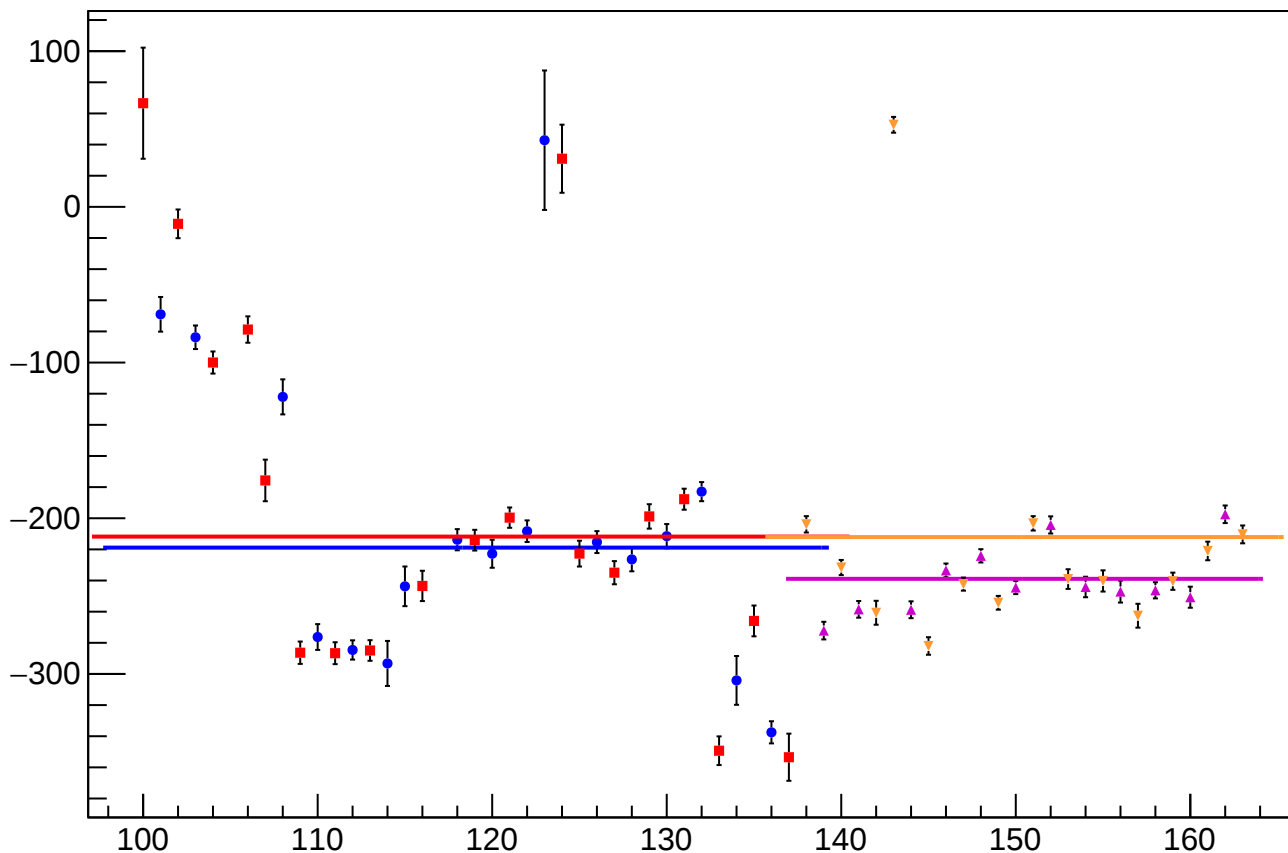
Right: 10.995 $\pm$ 0.750 χ^2 /NDF: 648.0/35

In: 5.634 $\pm$ 0.751 χ^2 /NDF:535.4/28

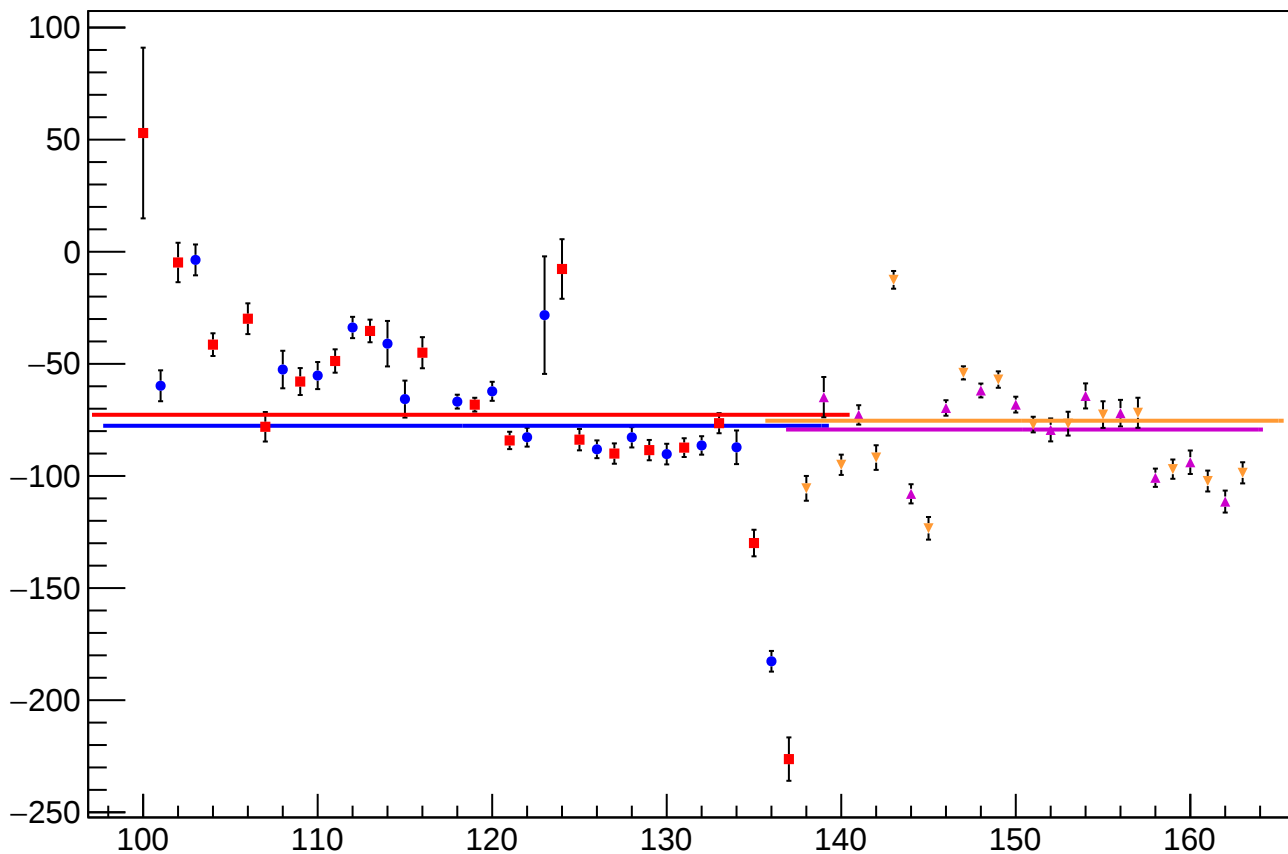
Out: 5.028 $\pm$ 0.714 χ^2 /NDF:470.3/32

All: 5.316 $\pm$ 0.518 χ^2 /NDF: 1006.1/61

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -75.357 ± 1.177 χ^2/NDF : 562.1/13

Right Out: -72.710 ± 1.206 χ^2/NDF : 671.4/18

Left In: -79.292 ± 1.264 χ^2/NDF : 186.5/11

Left: -77.185 ± 0.861 χ^2/NDF : 753.8/25

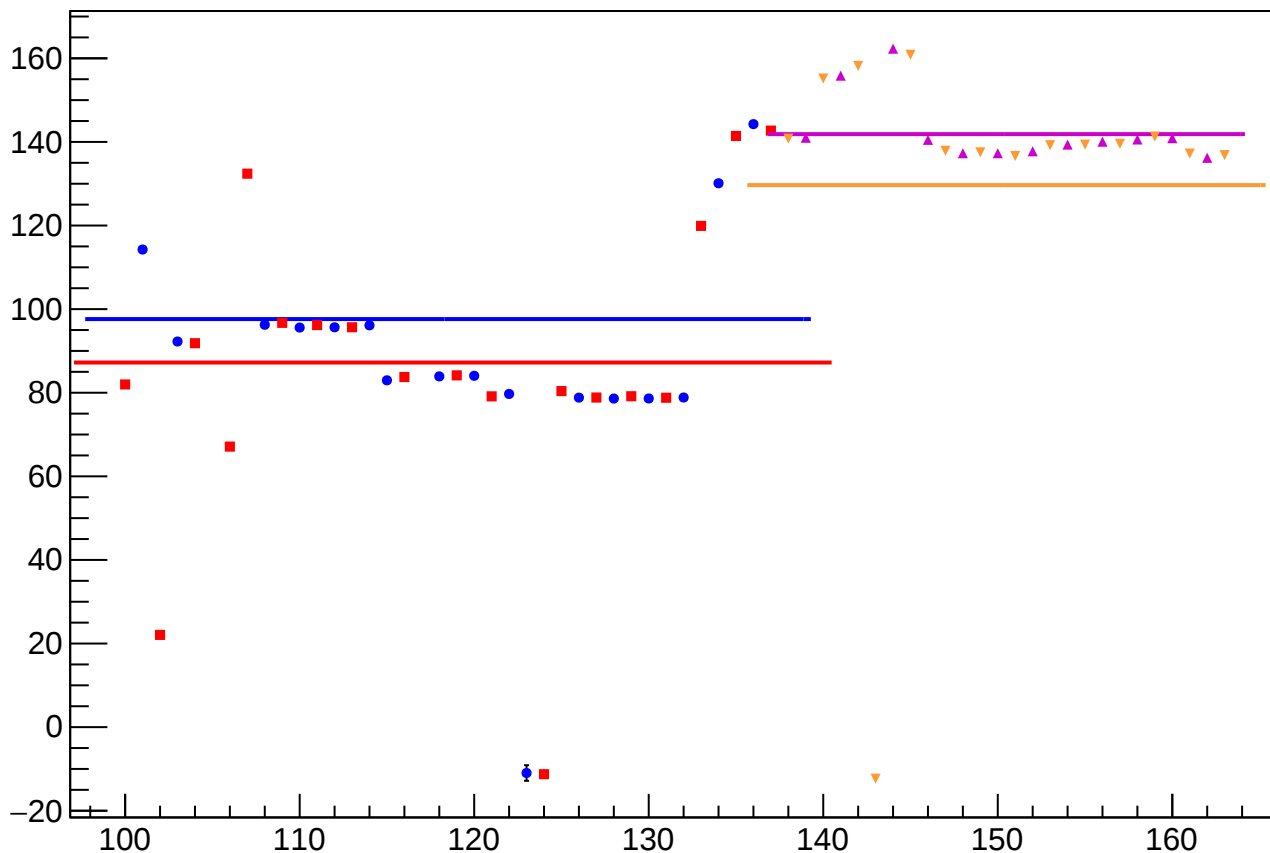
Right: -75.100 ± 0.863 χ^2/NDF : 1495.4/35

In: -78.434 ± 0.884 χ^2/NDF : 1003.3/28

Out: -74.066 ± 0.842 χ^2/NDF : 1236.0/32

All: -76.145 ± 0.610 χ^2/NDF : 2252.1/61

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 97.620 $\pm$ 0.074 χ^2 /NDF: 94045.2/16

Left Out: 129.672 $\pm$ 0.058 χ^2 /NDF: 549514.9/13

Right Out: 87.226 $\pm$ 0.068 χ^2 /NDF: 220850.5/18

Left In: 141.863 $\pm$ 0.061 χ^2 /NDF: 14203.1/11

Left: 135.519 $\pm$ 0.042 χ^2 /NDF: 584776.6/25

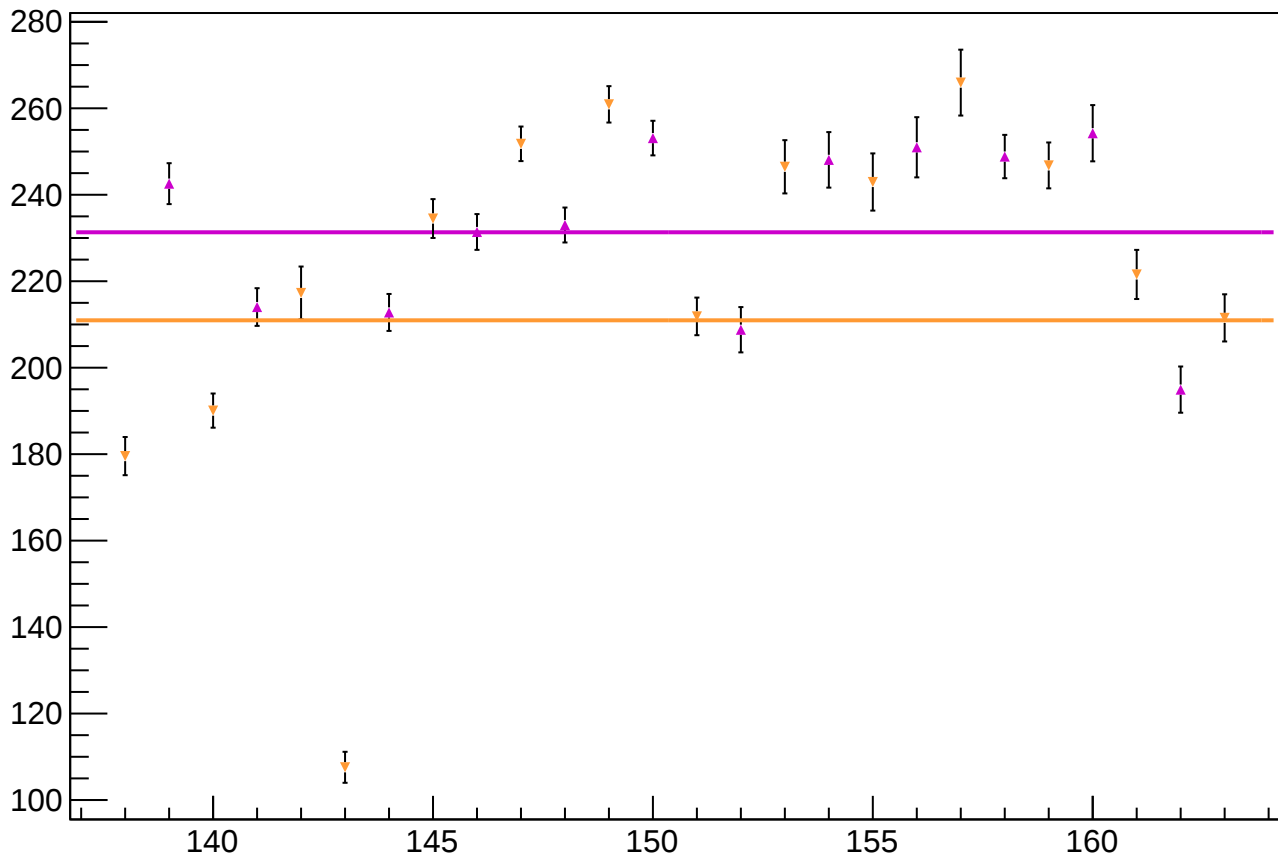
Right: 92.025 $\pm$ 0.050 χ^2 /NDF: 325598.1/35

In: 124.020 $\pm$ 0.047 χ^2 /NDF: 323218.8/28

Out: 111.814 $\pm$ 0.044 χ^2 /NDF: 994295.1/32

All: 117.578 $\pm$ 0.032 χ^2 /NDF: 1353397.9/61

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: 210.959+/-1.283 χ^2/NDF :1341.7/13

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

Left In: 231.323+/-1.395 χ^2/NDF :174.3/11

Left: 220.290+/-0.944 χ^2/NDF : 1631.5/25

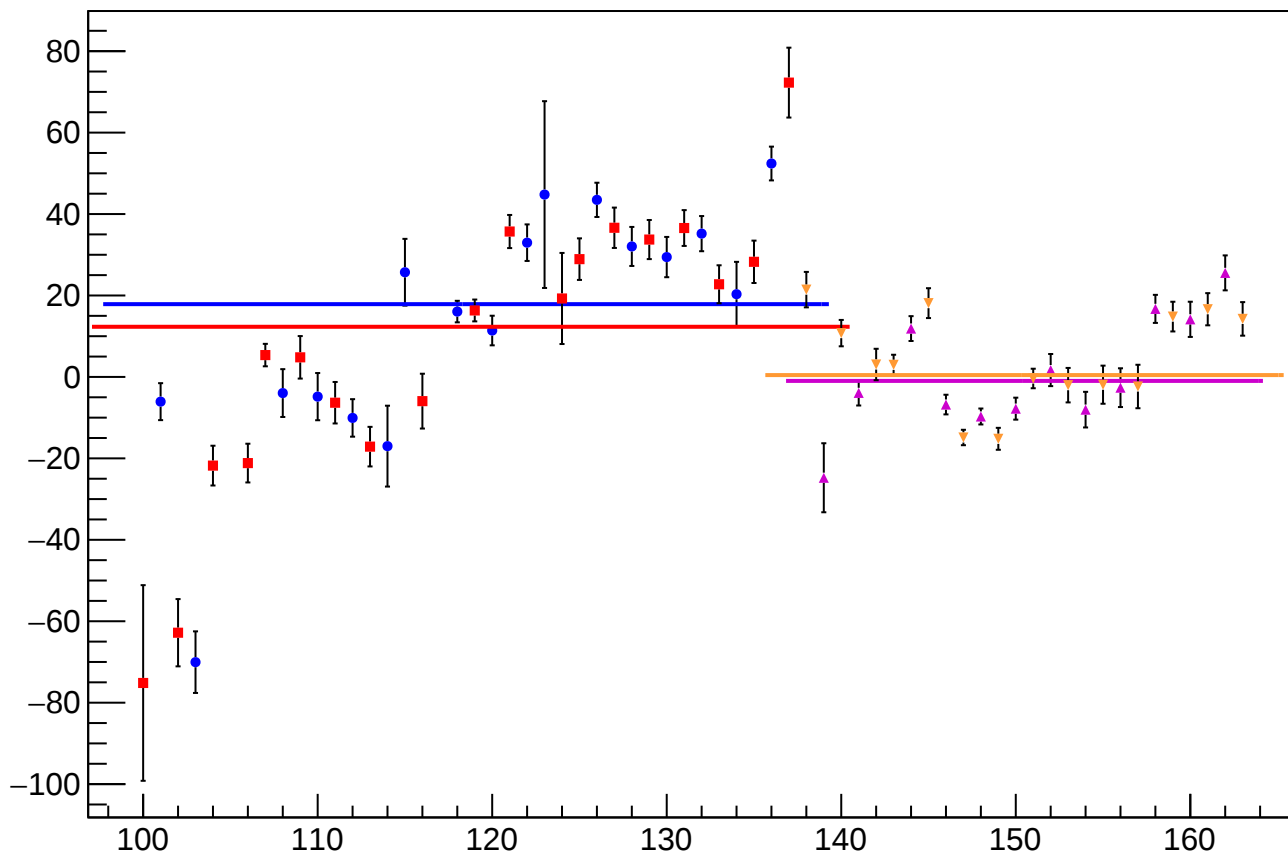
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 231.323+/-1.395 χ^2/NDF :174.3/11

Out: 210.959+/-1.283 χ^2/NDF :1341.7/13

All: 220.290+/-0.944 χ^2/NDF : 1631.5/25

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.872 ± 1.166 $\chi^2/\text{NDF}: 395.3/16$

Left Out: 0.452 ± 0.852 $\chi^2/\text{NDF}: 201.8/13$

Right Out: 12.317 ± 1.083 $\chi^2/\text{NDF}: 444.0/18$

Left In: -0.977 ± 0.933 $\chi^2/\text{NDF}: 138.6/11$

Left: -0.197 ± 0.629 $\chi^2/\text{NDF}: 341.6/25$

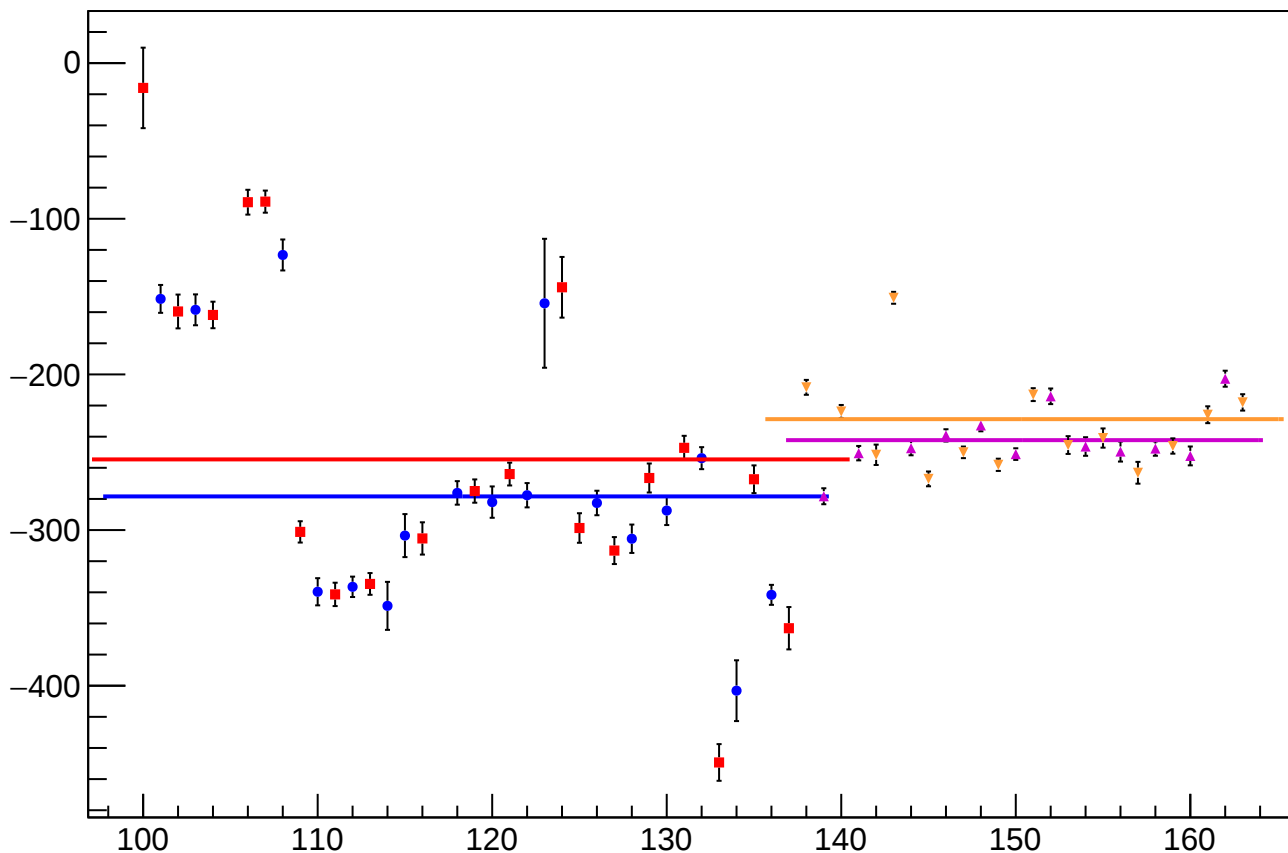
Right: 14.891 ± 0.794 $\chi^2/\text{NDF}: 851.6/35$

In: 6.385 ± 0.729 $\chi^2/\text{NDF}: 693.2/28$

Out: 4.986 ± 0.670 $\chi^2/\text{NDF}: 719.9/32$

All: 5.627 ± 0.493 $\chi^2/\text{NDF}: 1415.2/61$

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -278.380 ± 2.185 χ^2/NDF : 910.6/16

Left Out: -228.742 ± 1.271 χ^2/NDF : 667.9/13

Right Out: -254.603 ± 2.020 χ^2/NDF : 2037.5/18

Left In: -242.229 ± 1.359 χ^2/NDF : 162.8/11

Left: -235.031 ± 0.928 χ^2/NDF : 883.2/25

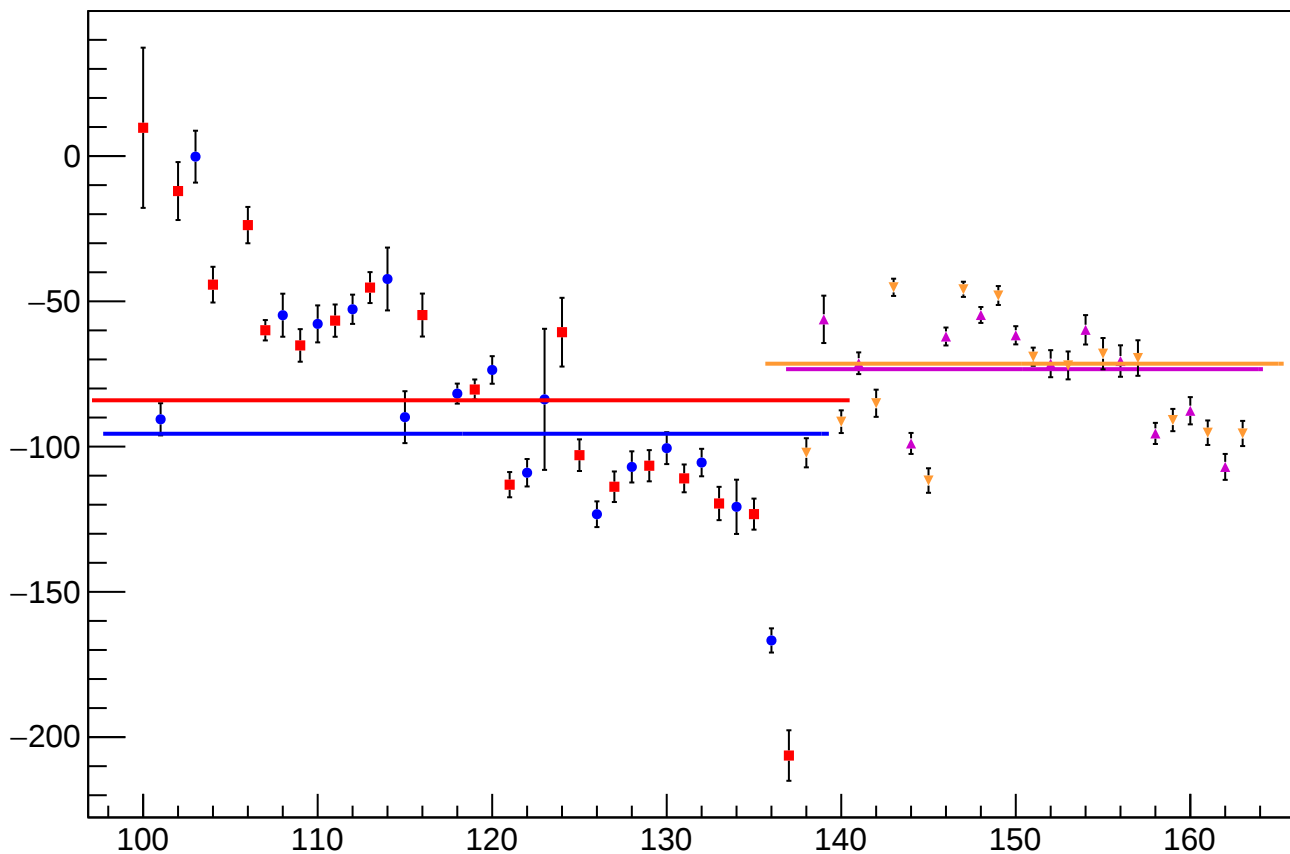
Right: -265.560 ± 1.483 χ^2/NDF : 3011.9/35

In: -252.319 ± 1.154 χ^2/NDF : 1270.8/28

Out: -236.077 ± 1.076 χ^2/NDF : 2822.8/32

All: -243.626 ± 0.787 χ^2/NDF : 4199.6/61

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: -71.465 ± 1.028 χ^2/NDF : 478.3/13

Right Out: -84.062 ± 1.257 χ^2/NDF : 783.2/18

Left In: -73.351 ± 1.122 χ^2/NDF : 239.1/11

Left: -72.325 ± 0.758 χ^2/NDF : 718.9/25

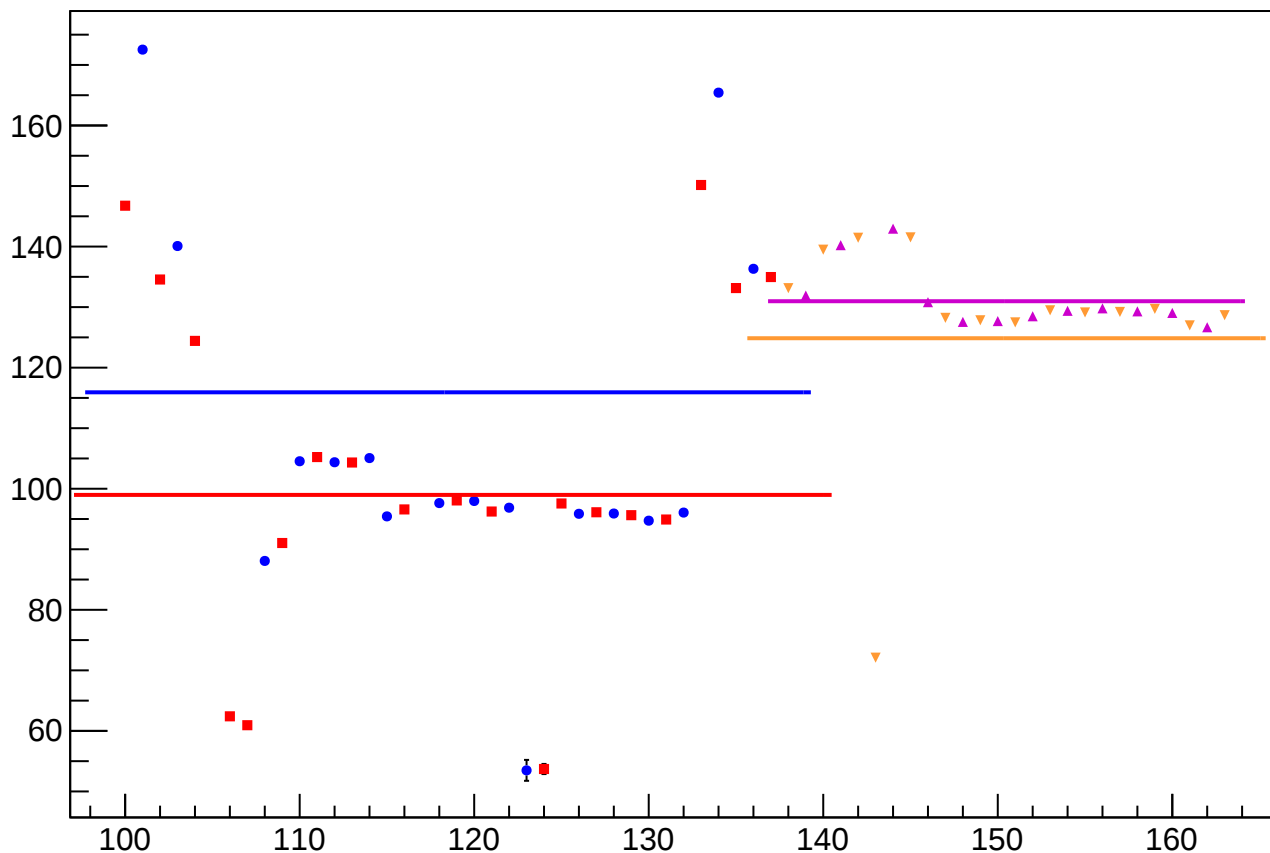
Right: -89.449 ± 0.917 χ^2/NDF : 1493.7/35

In: -82.509 ± 0.860 χ^2/NDF : 1071.9/28

Out: -76.515 ± 0.796 χ^2/NDF : 1321.7/32

All: -79.278 ± 0.584 χ^2/NDF : 2419.8/61

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: 124.859 $\pm$ 0.051 χ^2 /NDF:141741.2/13

Right Out: 98.981 $\pm$ 0.069 χ^2 /NDF: 172974.2/18

Left In: 130.973 $\pm$ 0.054 χ^2 /NDF:7801.4/11

Left: 127.741 $\pm$ 0.037 χ^2 /NDF: 156302.1/25

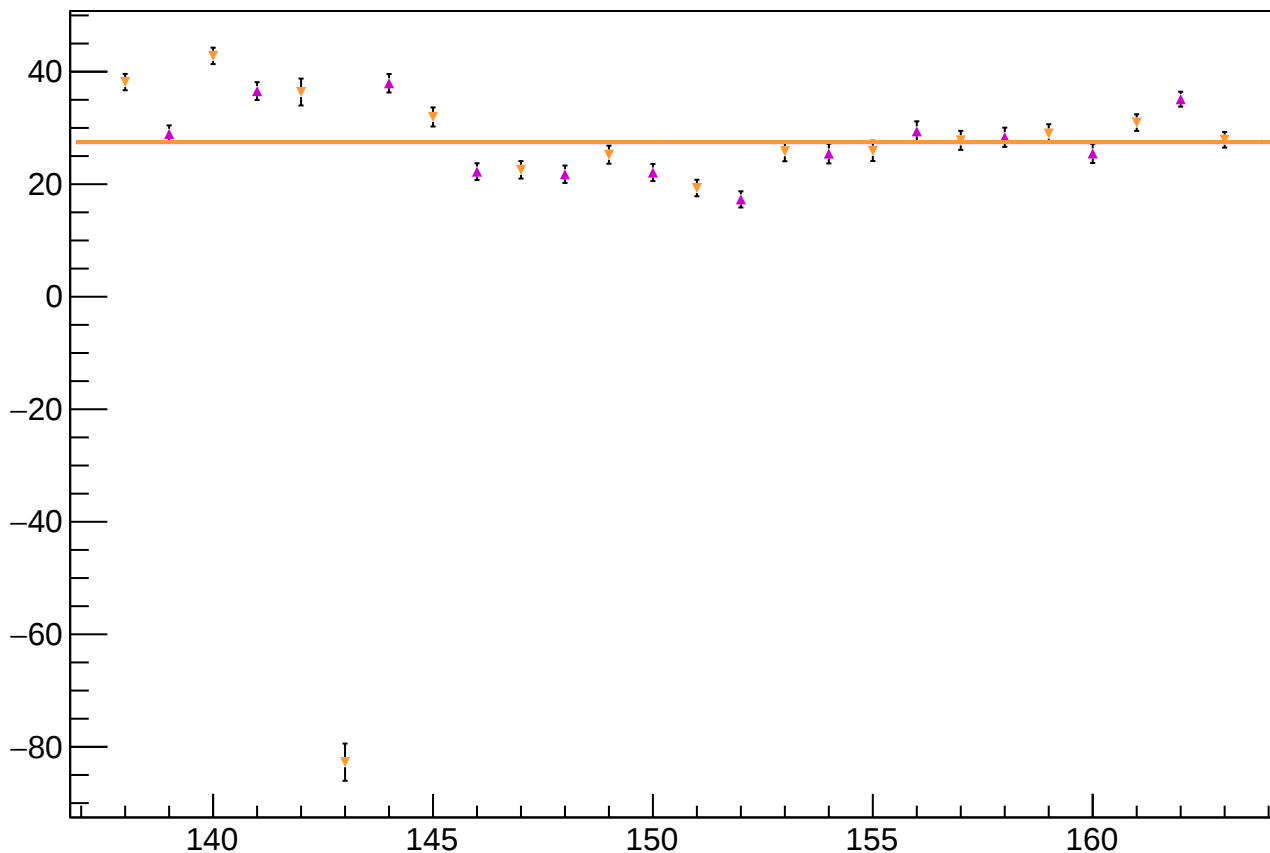
Right: 106.321 $\pm$ 0.052 χ^2 /NDF: 305233.1/35

In: 126.126 $\pm$ 0.045 χ^2 /NDF:138543.9/28

Out: 115.626 $\pm$ 0.041 χ^2 /NDF:406376.6/32

All: 120.439 $\pm$ 0.030 χ^2 /NDF: 575066.5/61

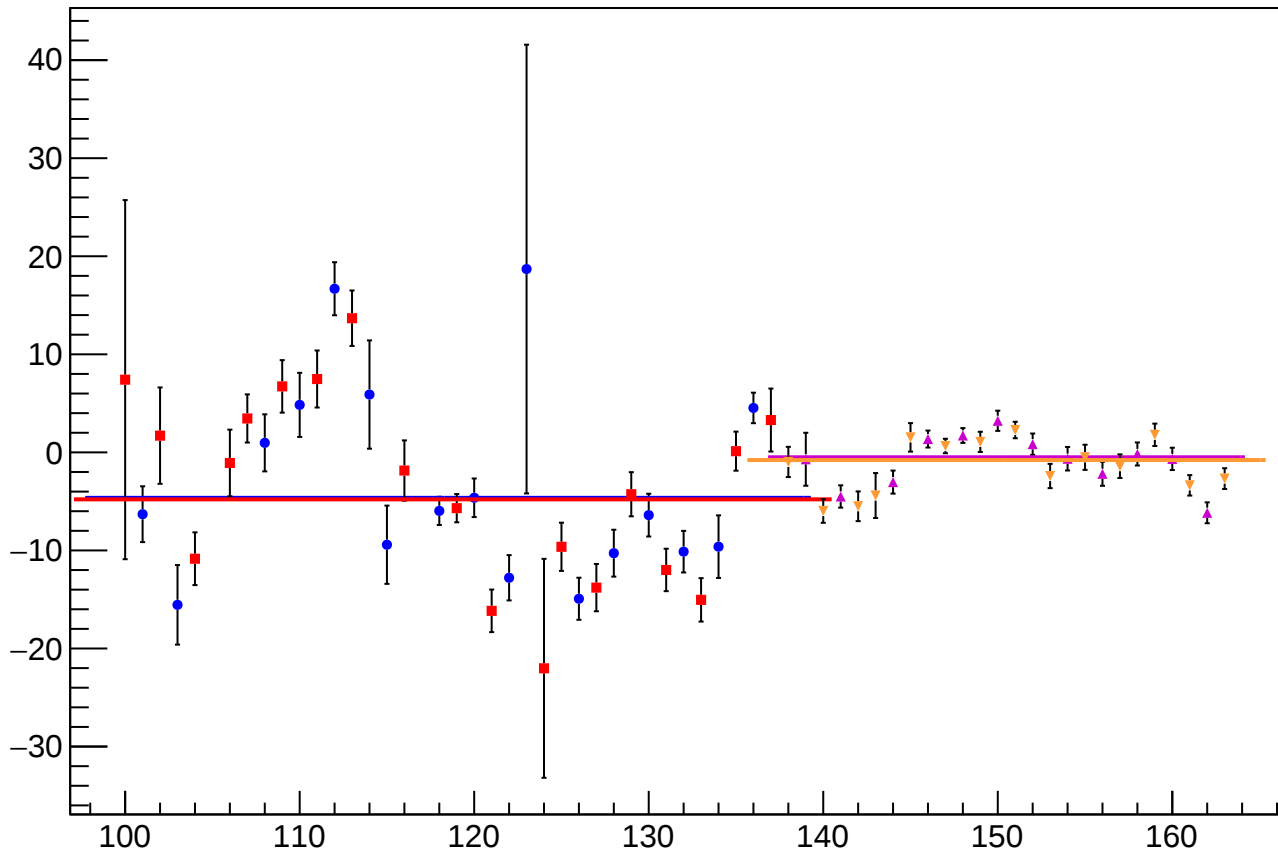
reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 27.506+/-0.441 χ^2/NDF :1344.2/13
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 27.482+/-0.452 χ^2/NDF :200.3/11

Left: 27.494+/-0.316 χ^2/NDF : 1544.5/25
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 27.482+/-0.452 χ^2/NDF :200.3/11
 Out: 27.506+/-0.441 χ^2/NDF :1344.2/13
 All: 27.494+/-0.316 χ^2/NDF : 1544.5/25

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.637 ± 0.588 $\chi^2/\text{NDF}: 174.4/16$

Left Out: -0.783 ± 0.302 $\chi^2/\text{NDF}: 70.0/13$

Right Out: -4.791 ± 0.585 $\chi^2/\text{NDF}: 192.5/18$

Left In: -0.502 ± 0.312 $\chi^2/\text{NDF}: 75.1/11$

Left: -0.647 ± 0.217 $\chi^2/\text{NDF}: 145.5/25$

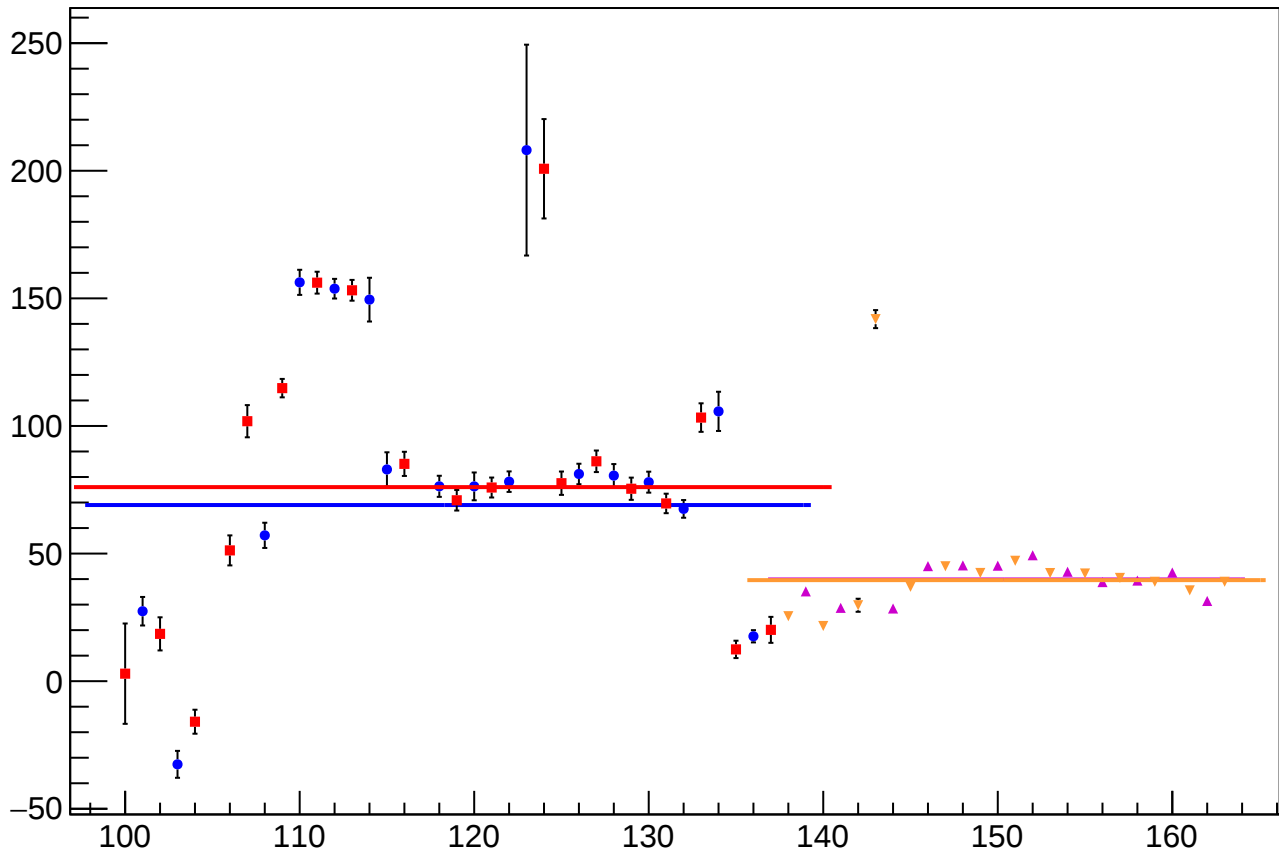
Right: -4.714 ± 0.414 $\chi^2/\text{NDF}: 367.0/35$

In: -1.412 ± 0.276 $\chi^2/\text{NDF}: 288.1/28$

Out: -1.629 ± 0.269 $\chi^2/\text{NDF}: 299.7/32$

All: -1.524 ± 0.192 $\chi^2/\text{NDF}: 588.1/61$

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: 39.593+/-0.430 χ^2/NDF :1129.4/13

Right Out: 76.041+/-1.070 χ^2/NDF : 1881.9/18

Left In: 39.862+/-0.438 χ^2/NDF :233.7/11

Left: 39.725+/-0.307 χ^2/NDF : 1363.4/25

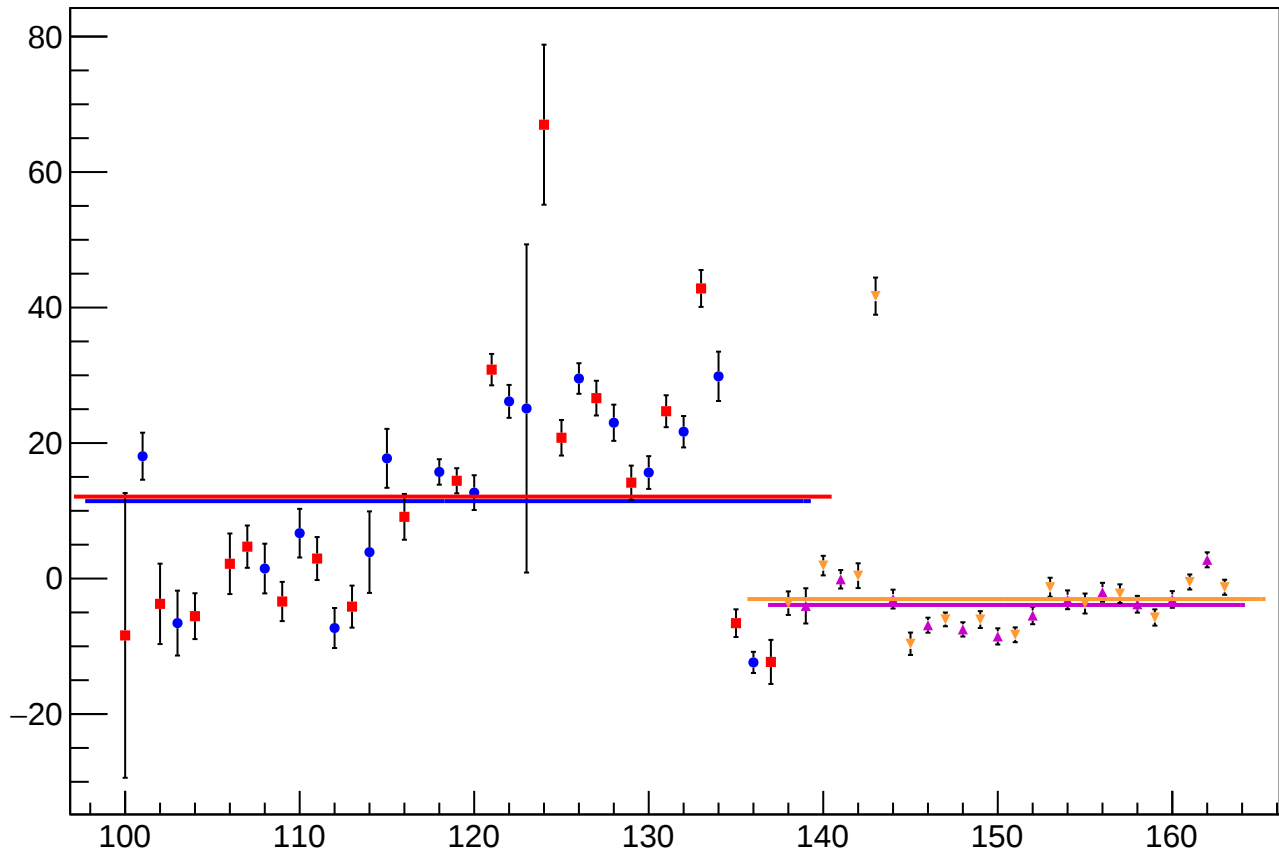
Right: 72.574+/-0.761 χ^2/NDF : 3751.2/35

In: 43.965+/-0.406 χ^2/NDF :2704.1/28

Out: 44.670+/-0.399 χ^2/NDF :4010.3/32

All: 44.324+/-0.285 χ^2/NDF : 6715.9/61

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.428 ± 0.665 $\chi^2/\text{NDF}: 476.8/16$

Left Out: -3.024 ± 0.357 $\chi^2/\text{NDF}: 349.6/13$

Right Out: 12.095 ± 0.664 $\chi^2/\text{NDF}: 539.1/18$

Left In: -3.896 ± 0.368 $\chi^2/\text{NDF}: 82.3/11$

Left: -3.446 ± 0.256 $\chi^2/\text{NDF}: 434.9/25$

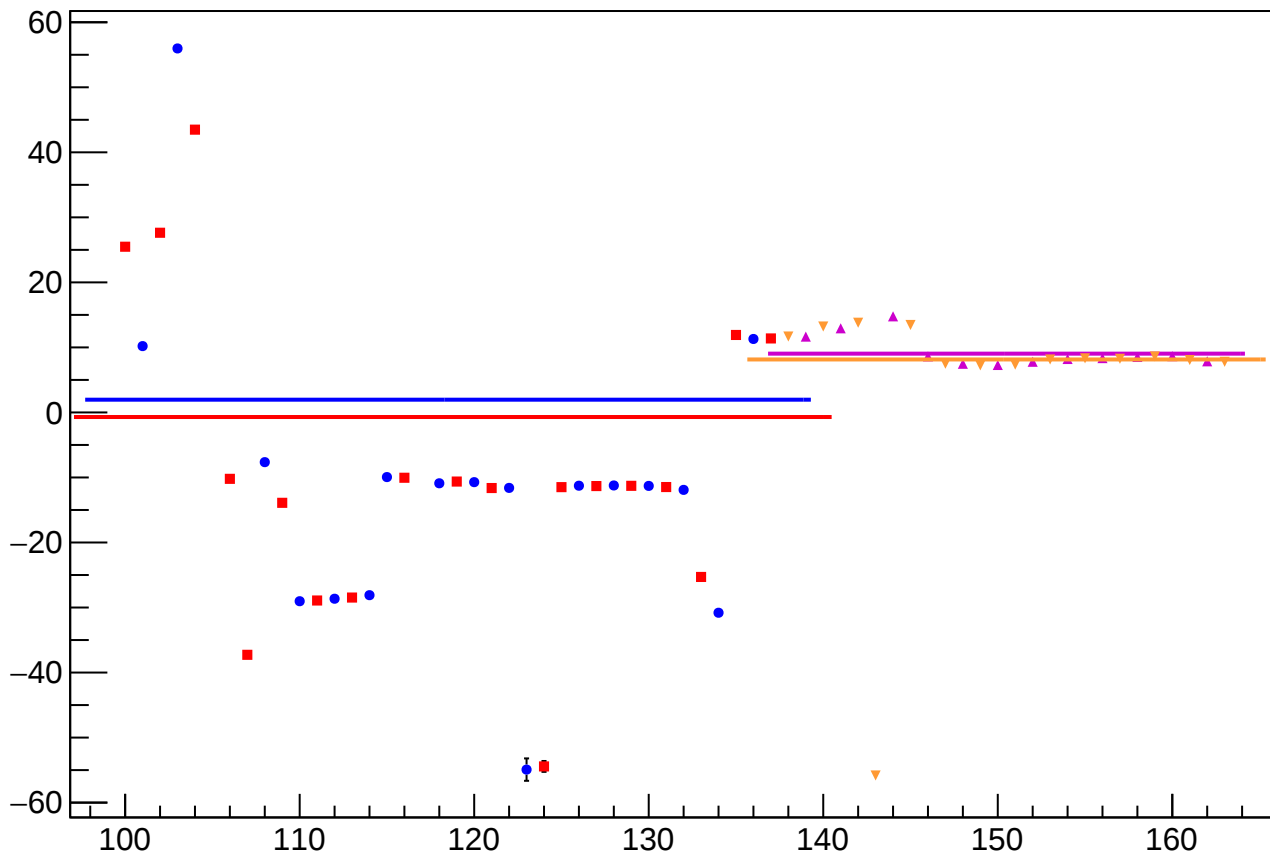
Right: 11.762 ± 0.470 $\chi^2/\text{NDF}: 1016.4/35$

In: -0.305 ± 0.322 $\chi^2/\text{NDF}: 965.1/28$

Out: 0.362 ± 0.314 $\chi^2/\text{NDF}: 1291.2/32$

All: 0.037 ± 0.225 $\chi^2/\text{NDF}: 2258.5/61$

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.960 ± 0.037 $\chi^2/\text{NDF}: 358457.0/16$

Left Out: 8.146 ± 0.017 $\chi^2/\text{NDF}: 222561.7/13$

Right Out: -0.704 ± 0.037 $\chi^2/\text{NDF}: 361168.6/18$

Left In: 9.041 ± 0.017 $\chi^2/\text{NDF}: 13996.8/11$

Left: 8.586 ± 0.012 $\chi^2/\text{NDF}: 237953.4/25$

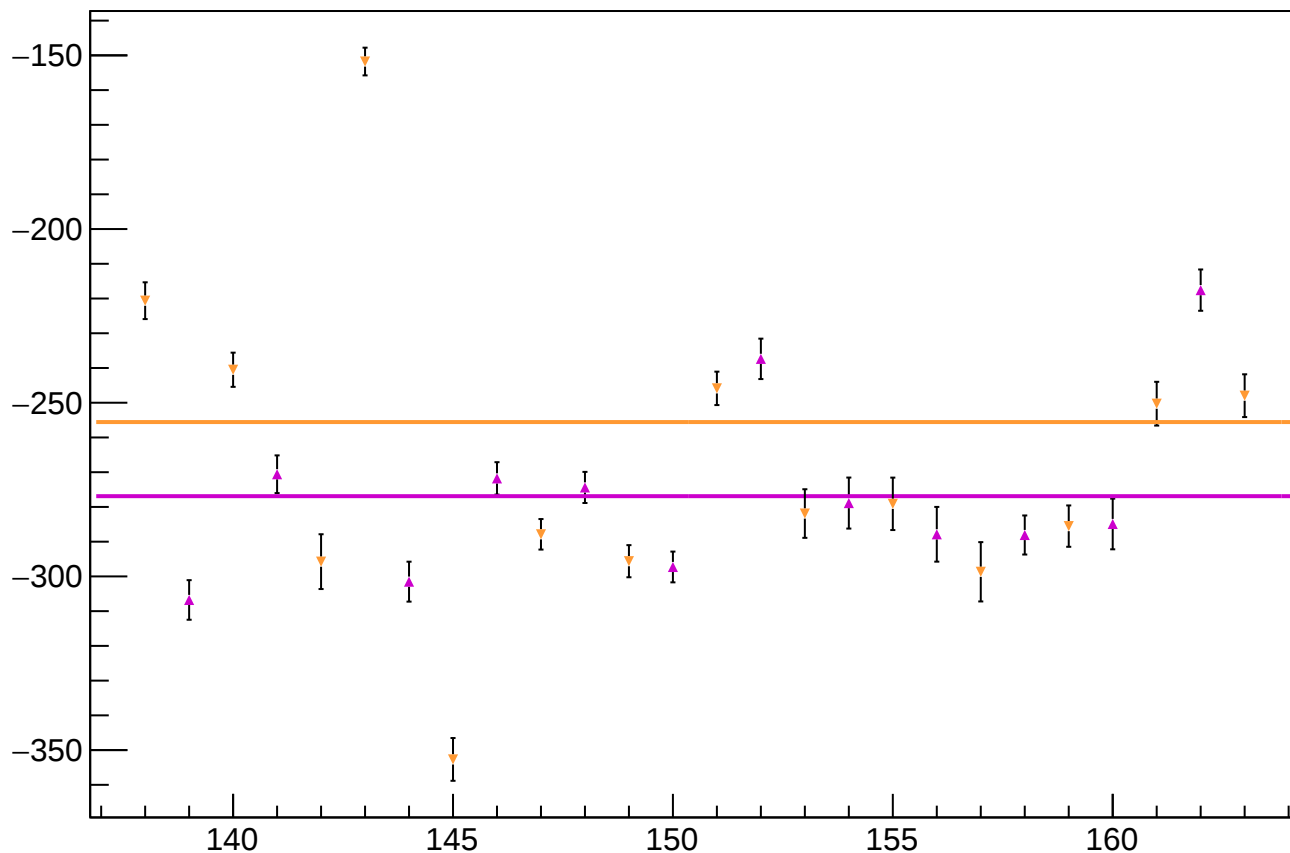
Right: 0.627 ± 0.026 $\chi^2/\text{NDF}: 722198.2/35$

In: 7.807 ± 0.016 $\chi^2/\text{NDF}: 402451.7/28$

Out: 6.641 ± 0.015 $\chi^2/\text{NDF}: 630904.2/32$

All: 7.216 ± 0.011 $\chi^2/\text{NDF}: 1036215.5/61$

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: -255.565+/-1.482 χ^2/NDF :1214.7/13

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

Left In: -276.900+/-1.612 χ^2/NDF :222.7/11

Left: -265.333+/-1.091 χ^2/NDF : 1532.4/25

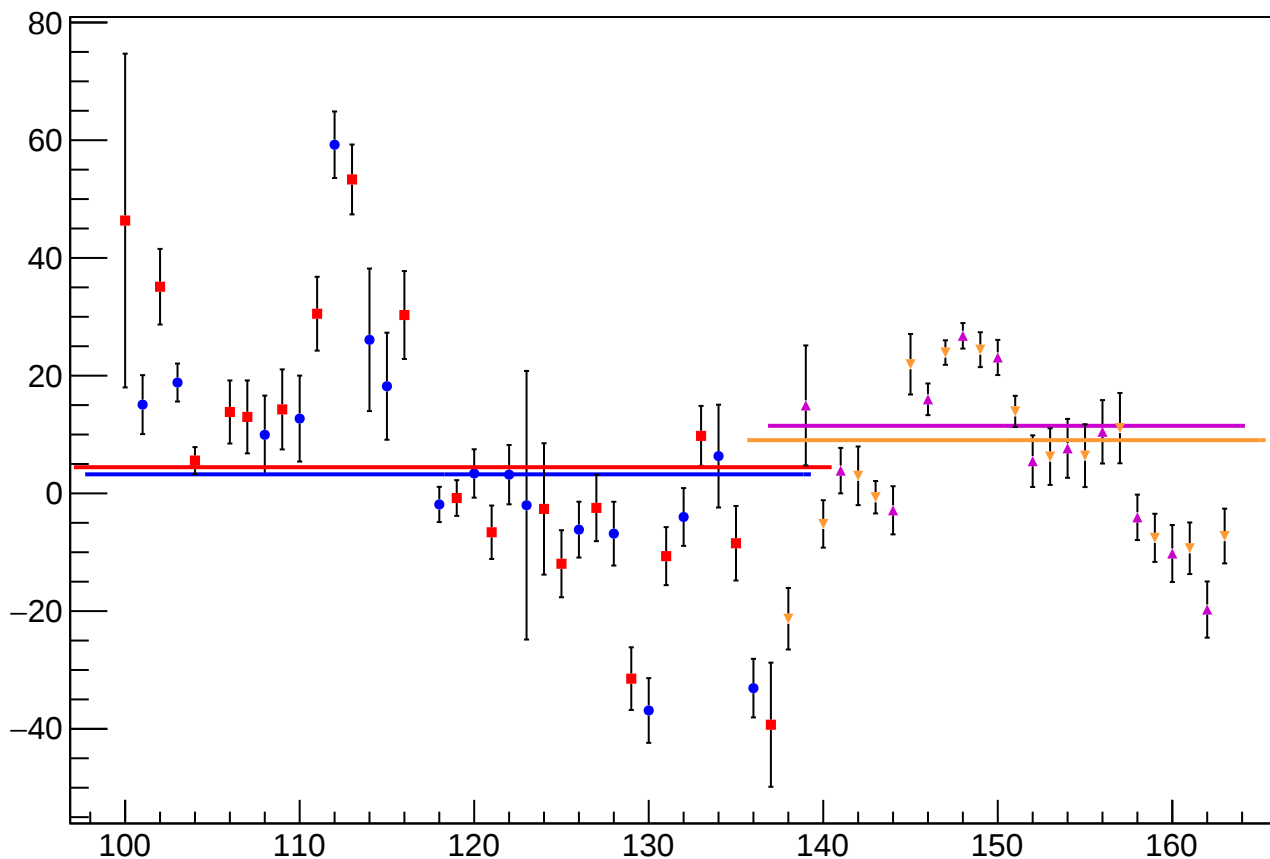
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -276.900+/-1.612 χ^2/NDF :222.7/11

Out: -255.565+/-1.482 χ^2/NDF :1214.7/13

All: -265.333+/-1.091 χ^2/NDF : 1532.4/25

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: 9.046 ± 0.971 χ^2/NDF : 194.8/13

Right Out: 4.450 ± 1.157 χ^2/NDF : 225.8/18

Left In: 11.480 ± 1.067 χ^2/NDF : 165.4/11

Left: 10.149 ± 0.718 χ^2/NDF : 363.0/25

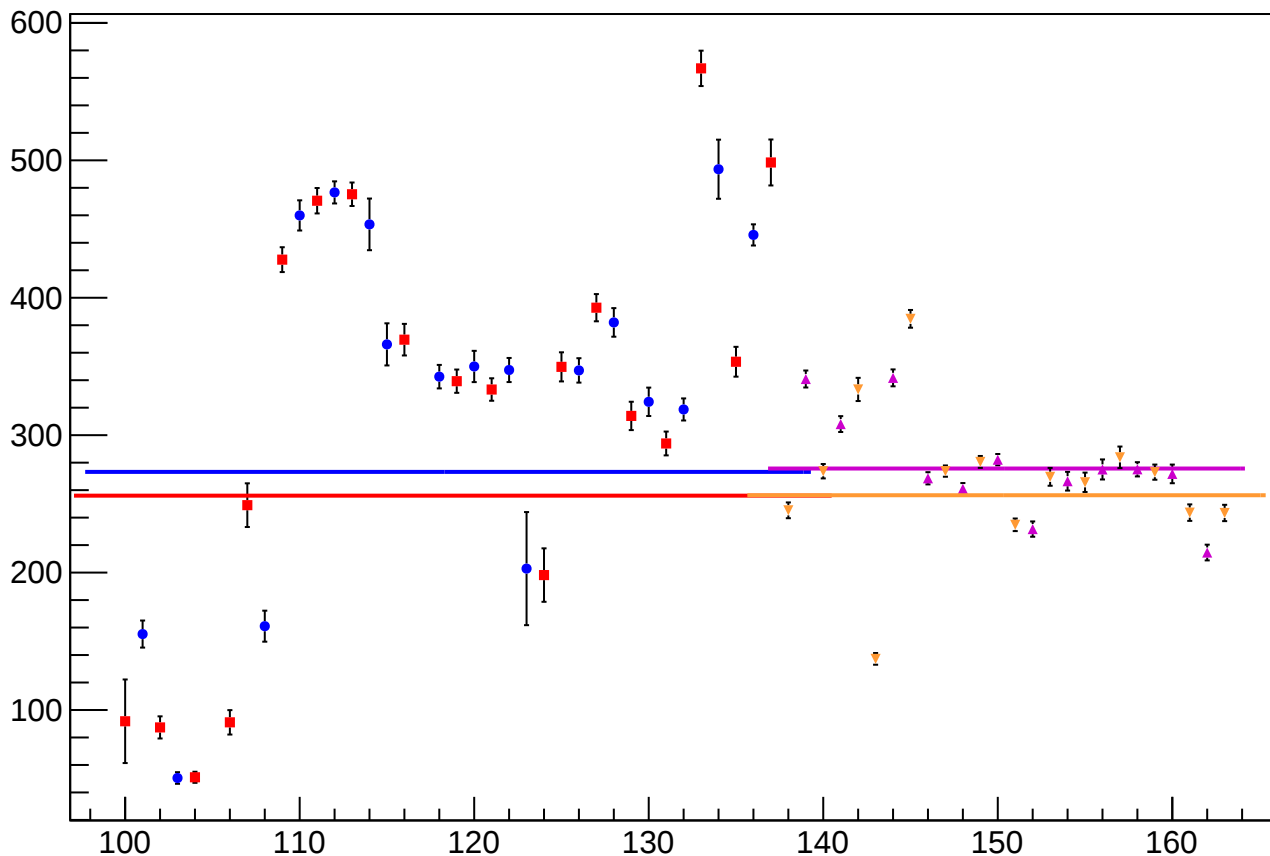
Right: 3.887 ± 0.847 χ^2/NDF : 481.6/35

In: 7.986 ± 0.810 χ^2/NDF : 446.0/28

Out: 7.147 ± 0.744 χ^2/NDF : 429.8/32

All: 7.531 ± 0.548 χ^2/NDF : 876.4/61

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 273.276 $\pm$ 2.205 χ^2 /NDF: 5101.5/16

Left Out: 256.287 $\pm$ 1.459 χ^2 /NDF:1384.1/13

Right Out: 255.985 $\pm$ 2.080 χ^2 /NDF: 6438.4/18

Left In: 275.723 $\pm$ 1.562 χ^2 /NDF:453.8/11

Left: 265.347 $\pm$ 1.066 χ^2 /NDF: 1920.6/25

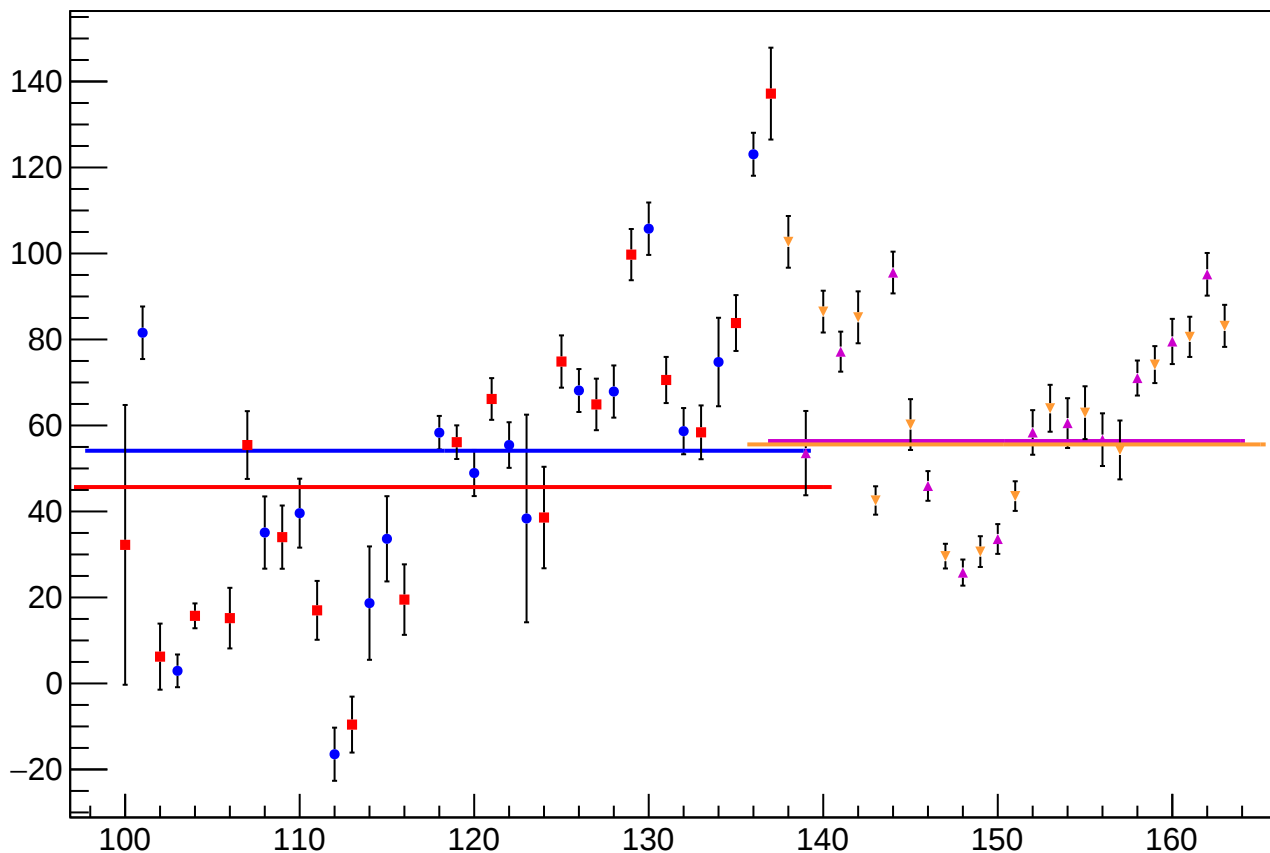
Right: 264.127 $\pm$ 1.513 χ^2 /NDF: 11572.5/35

In: 274.906 $\pm$ 1.274 χ^2 /NDF:5556.2/28

Out: 256.187 $\pm$ 1.195 χ^2 /NDF:7822.5/32

All: 264.942 $\pm$ 0.872 χ^2 /NDF: 13493.5/61

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 54.119 $\pm$ 1.438 χ^2 /NDF: 633.9/16

Left Out: 55.592 $\pm$ 1.175 χ^2 /NDF: 367.3/13

Right Out: 45.675 $\pm$ 1.357 χ^2 /NDF: 531.0/18

Left In: 56.383 $\pm$ 1.285 χ^2 /NDF: 333.2/11

Left: 55.952 $\pm$ 0.867 χ^2 /NDF: 700.8/25

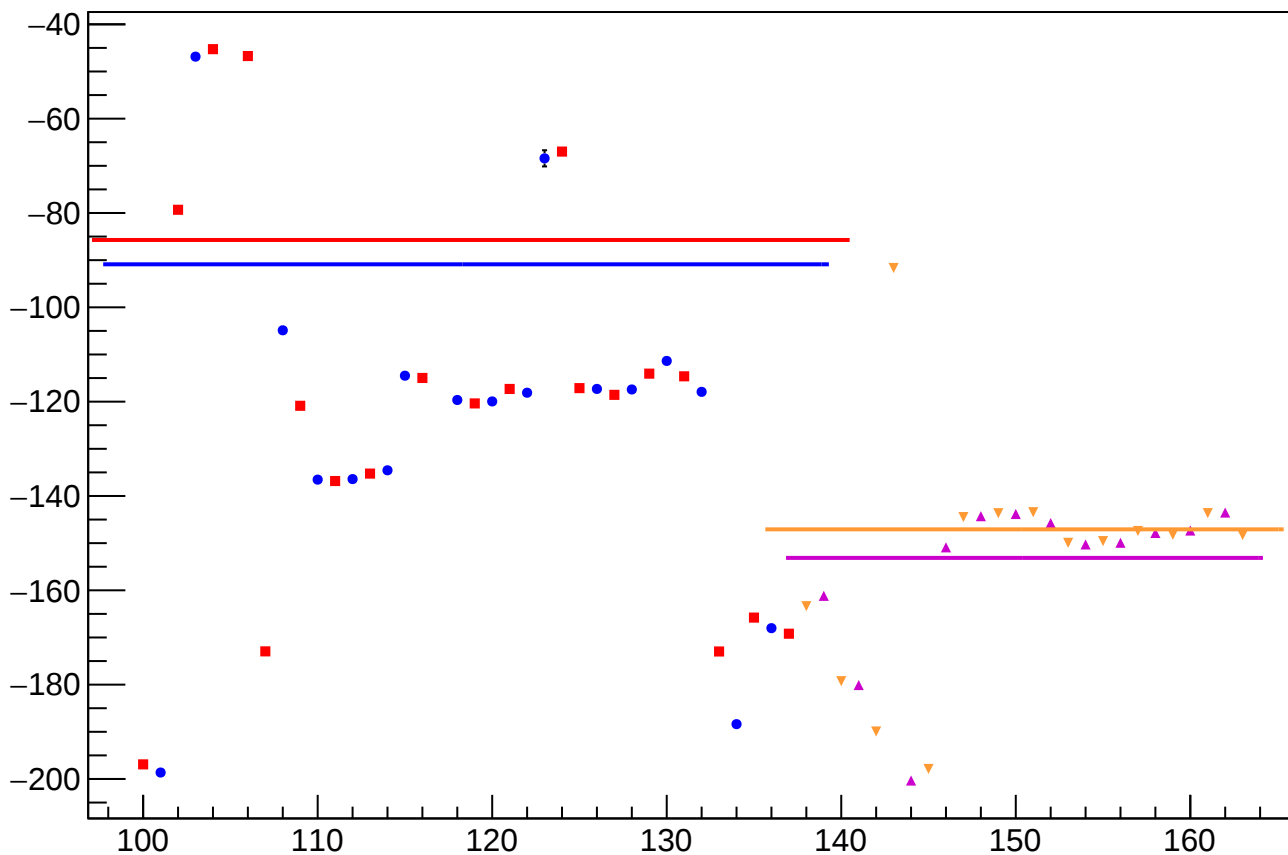
Right: 49.654 $\pm$ 0.987 χ^2 /NDF: 1183.2/35

In: 55.378 $\pm$ 0.958 χ^2 /NDF: 968.5/28

Out: 51.343 $\pm$ 0.888 χ^2 /NDF: 928.9/32

All: 53.208 $\pm$ 0.651 χ^2 /NDF: 1907.0/61

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: -147.074 ± 0.059 $\chi^2/\text{NDF}: 187072.7/13$

Right Out: -85.722 ± 0.065 $\chi^2/\text{NDF}: 494183.1/18$

Left In: -153.127 ± 0.062 $\chi^2/\text{NDF}: 55304.0/11$

Left: -149.931 ± 0.043 $\chi^2/\text{NDF}: 247395.7/25$

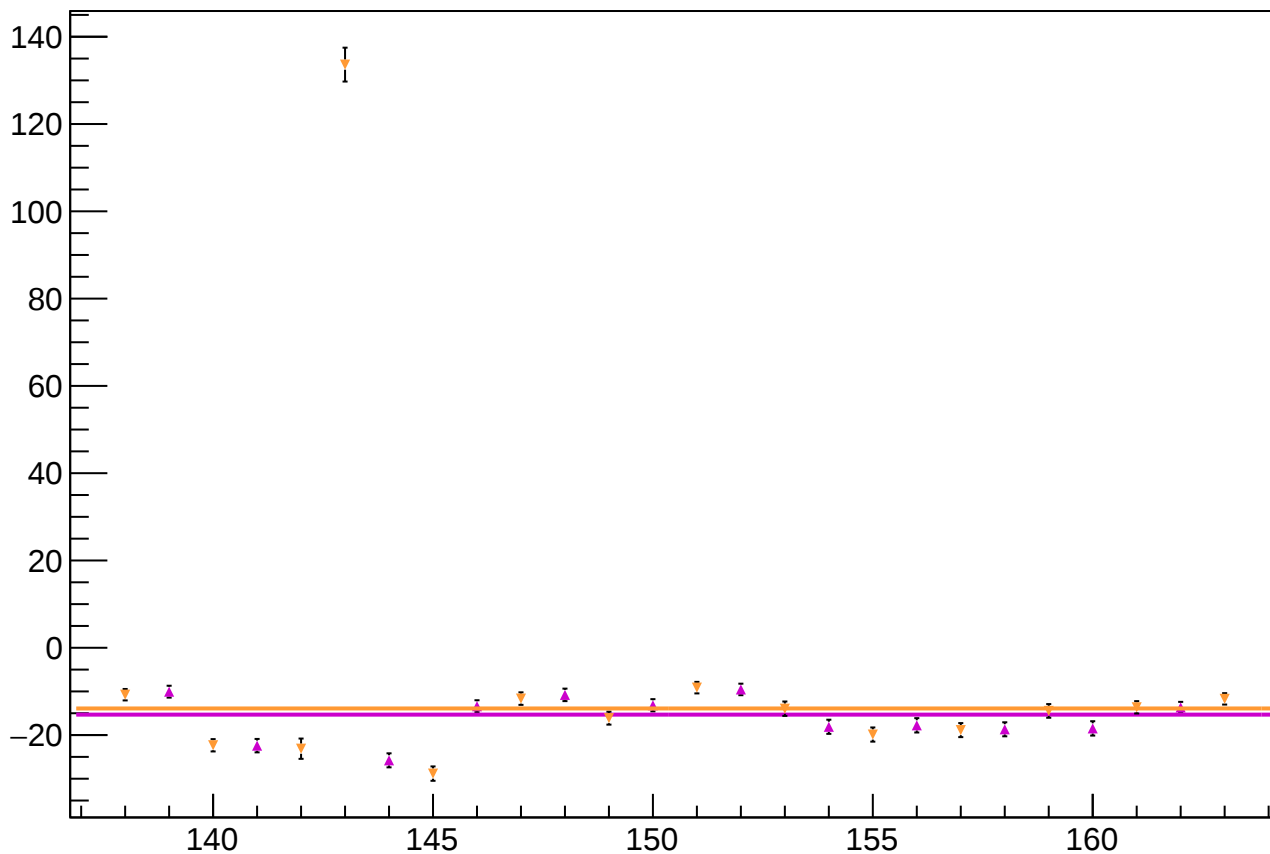
Right: -88.197 ± 0.047 $\chi^2/\text{NDF}: 1030623.7/35$

In: -124.721 ± 0.046 $\chi^2/\text{NDF}: 1047582.0/28$

Out: -119.548 ± 0.044 $\chi^2/\text{NDF}: 1171458.0/32$

All: -122.008 ± 0.032 $\chi^2/\text{NDF}: 2225740.1/61$

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: -13.906+/-0.414 χ^2/NDF :1627.8/13

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

Left In: -15.318+/-0.424 χ^2/NDF :126.9/11

Left: -14.595+/-0.296 χ^2/NDF : 1760.4/25

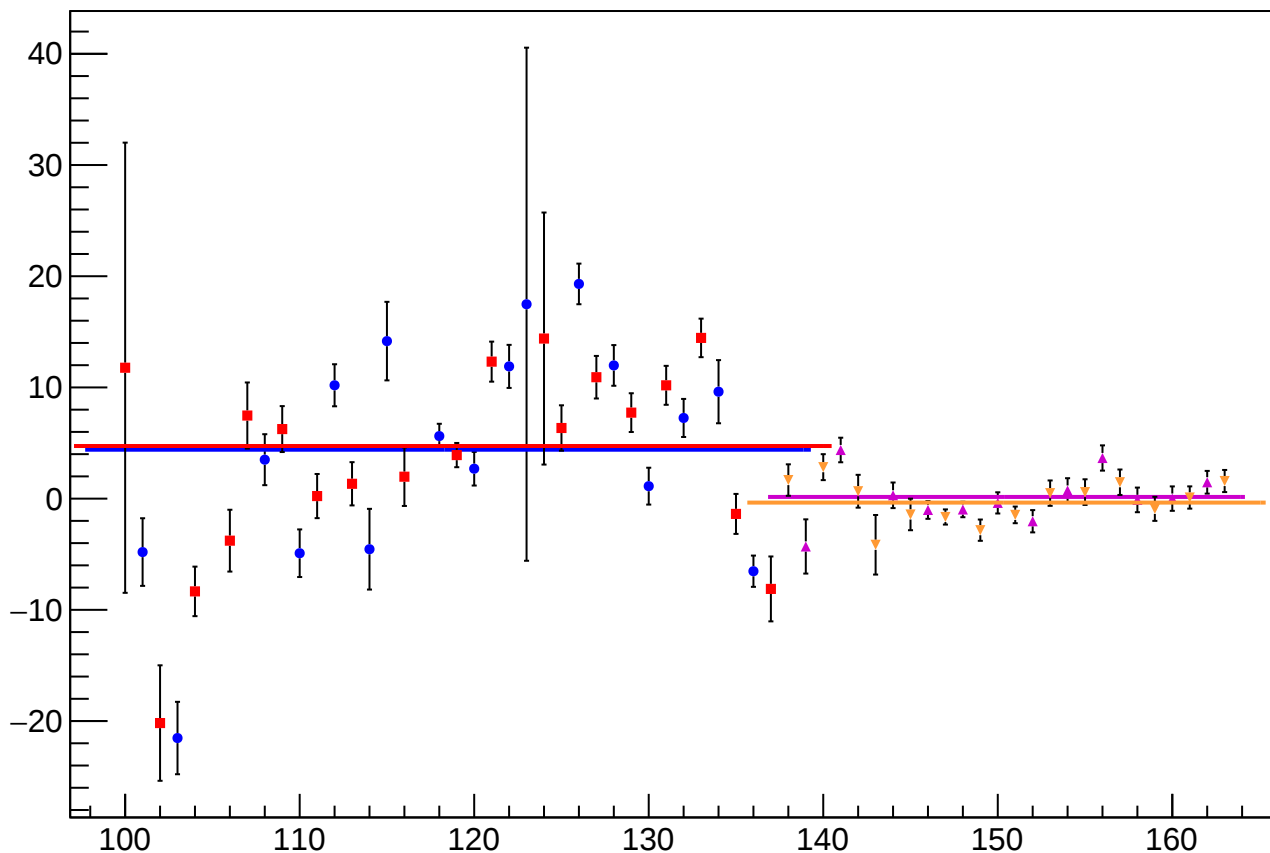
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -15.318+/-0.424 χ^2/NDF :126.9/11

Out: -13.906+/-0.414 χ^2/NDF :1627.8/13

All: -14.595+/-0.296 χ^2/NDF : 1760.4/25

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: -0.356 ± 0.283 $\chi^2/\text{NDF}: 33.1/13$

Right Out: 4.732 ± 0.473 $\chi^2/\text{NDF}: 182.9/18$

Left In: 0.153 ± 0.293 $\chi^2/\text{NDF}: 39.3/11$

Left: -0.110 ± 0.203 $\chi^2/\text{NDF}: 74.0/25$

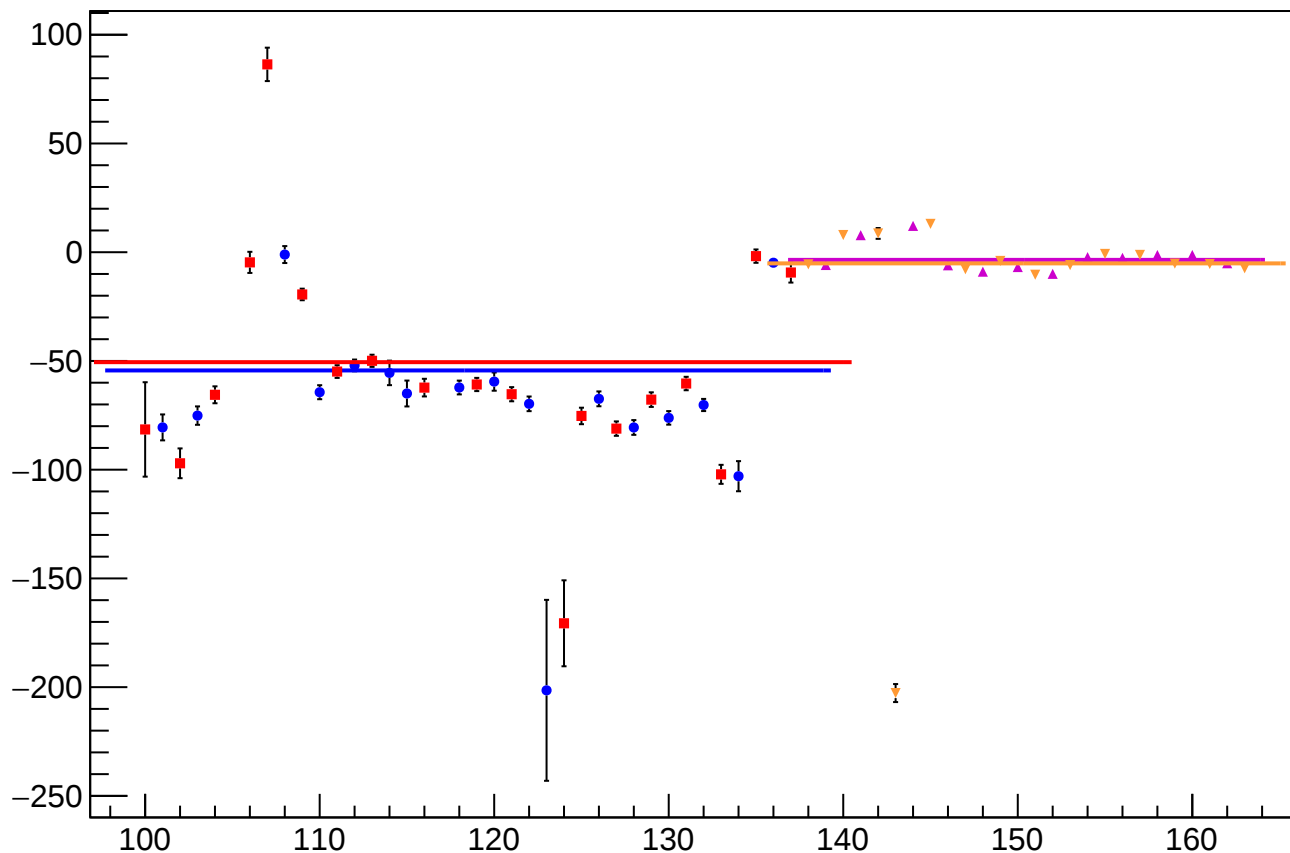
Right: 4.565 ± 0.334 $\chi^2/\text{NDF}: 470.0/35$

In: 1.337 ± 0.249 $\chi^2/\text{NDF}: 384.8/28$

Out: 0.983 ± 0.243 $\chi^2/\text{NDF}: 301.3/32$

All: 1.155 ± 0.174 $\chi^2/\text{NDF}: 687.1/61$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -54.365+/-0.868 χ^2/NDF : 1013.5/16

Left Out: -5.137+/-0.403 χ^2/NDF : 2533.5/13

Right Out: -50.554+/-0.858 χ^2/NDF : 1321.3/18

Left In: -3.522+/-0.411 χ^2/NDF : 192.4/11

Left: -4.345+/-0.288 χ^2/NDF : 2733.8/25

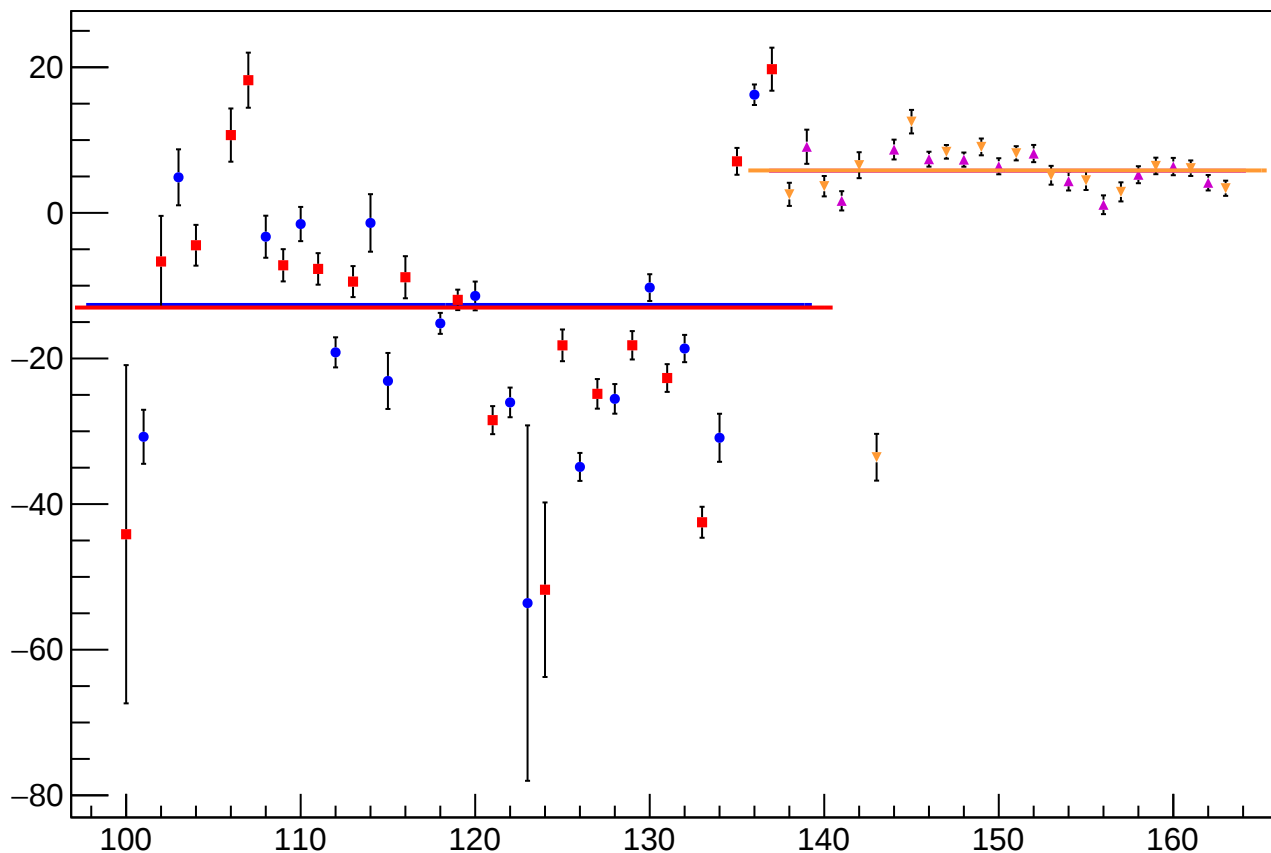
Right: -52.436+/-0.610 χ^2/NDF : 2344.5/35

In: -12.814+/-0.371 χ^2/NDF : 4008.2/28

Out: -13.351+/-0.365 χ^2/NDF : 6152.6/32

All: -13.087+/-0.260 χ^2/NDF : 10161.9/61

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: 5.828 ± 0.334 χ^2/NDF : 207.8/13

Right Out: -13.005 ± 0.538 χ^2/NDF : 721.4/18

Left In: 5.786 ± 0.346 χ^2/NDF : 42.7/11

Left: 5.808 ± 0.240 χ^2/NDF : 250.4/25

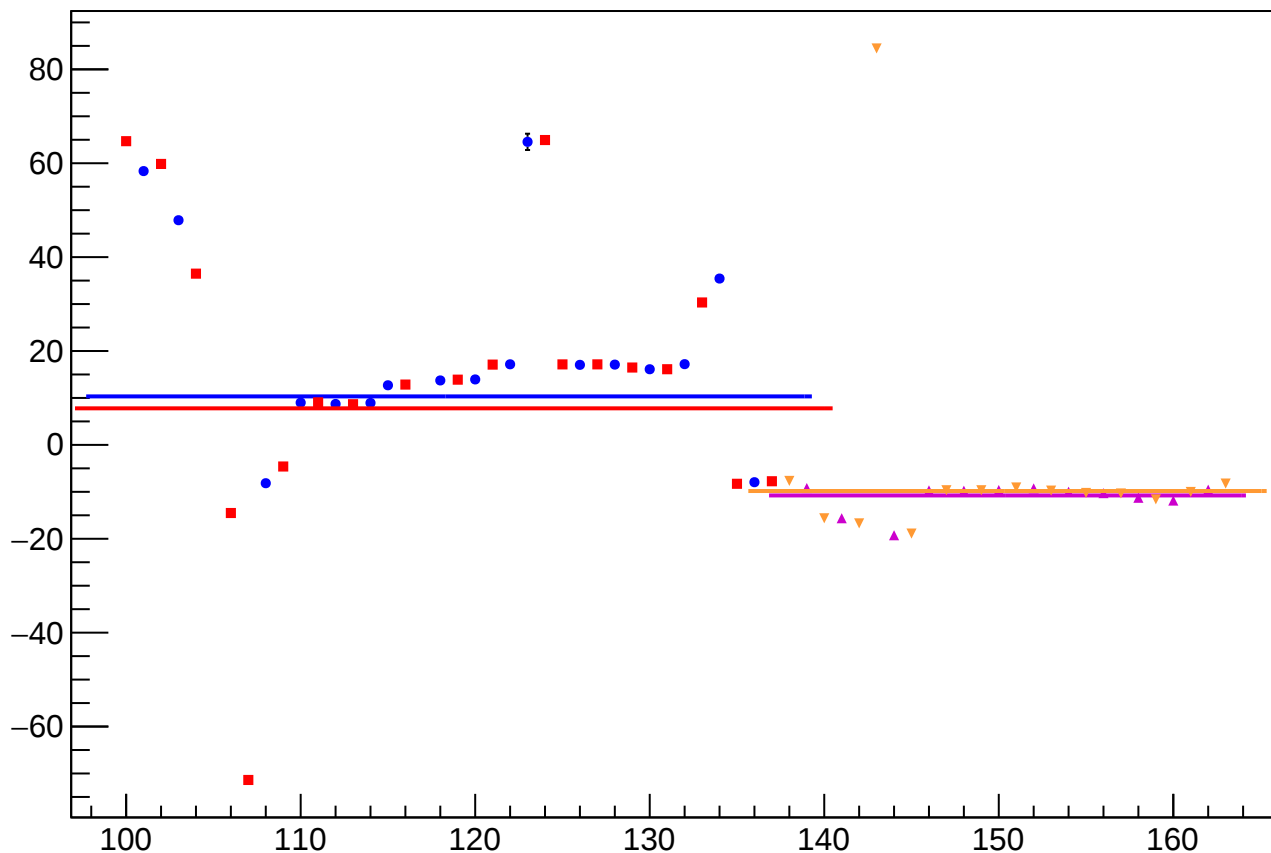
Right: -12.826 ± 0.380 χ^2/NDF : 1510.1/35

In: 0.377 ± 0.291 χ^2/NDF : 1666.0/28

Out: 0.580 ± 0.284 χ^2/NDF : 1814.7/32

All: 0.481 ± 0.203 χ^2/NDF : 3480.9/61

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: -9.827+/-0.016 χ^2/NDF : 356891.9/13

Right Out: 7.786+/-0.031 χ^2/NDF : 544119.7/18

Left In: -10.769+/-0.016 χ^2/NDF : 22424.4/11

Left: -10.290+/-0.011 χ^2/NDF : 381083.3/25

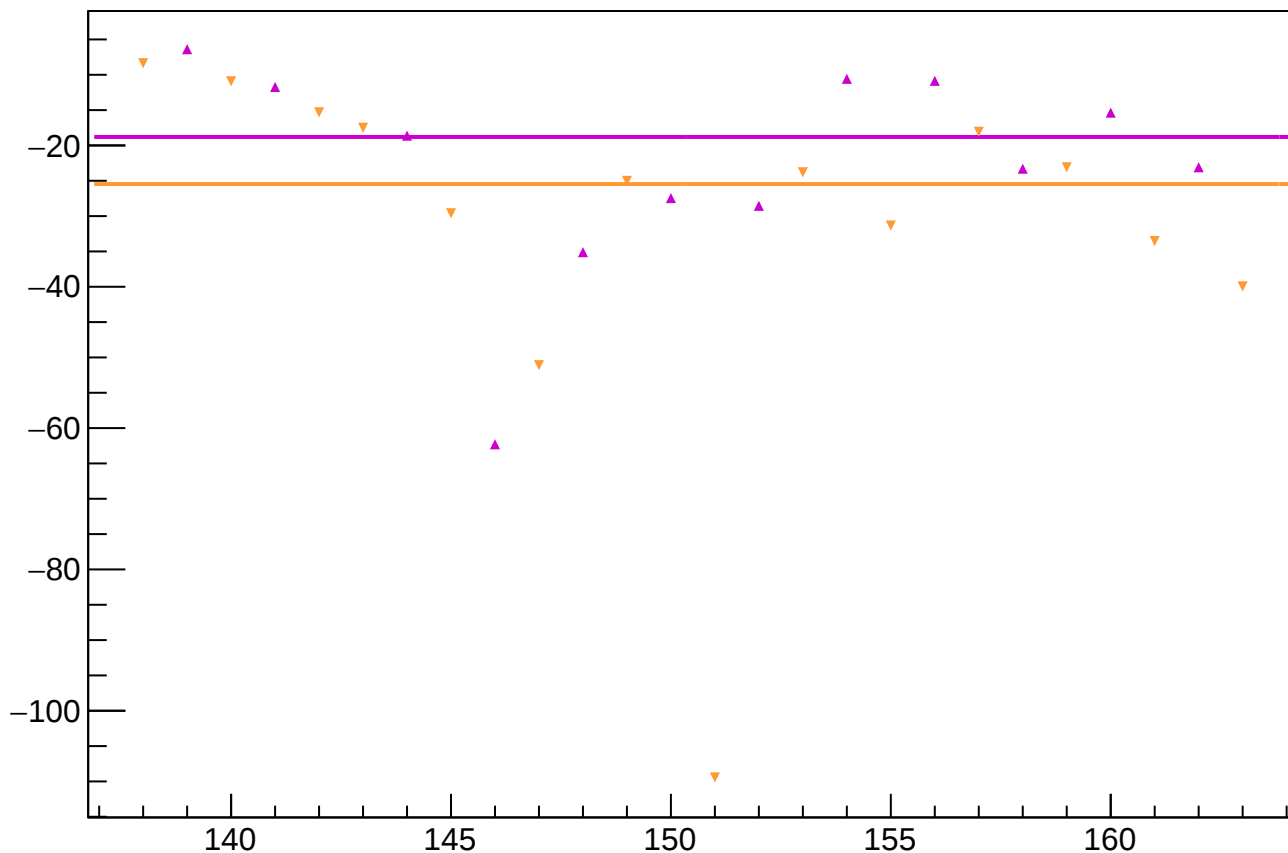
Right: 9.084+/-0.022 χ^2/NDF : 928345.1/35

In: -6.270+/-0.014 χ^2/NDF : 775473.3/28

Out: -6.278+/-0.014 χ^2/NDF : 1153788.8/32

All: -6.274+/-0.010 χ^2/NDF : 1929262.3/61

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: -25.466+/-0.069 χ^2/NDF :56399.6/13

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

Left In: -18.798+/-0.060 χ^2/NDF :36683.6/11

Left: -21.687+/-0.045 χ^2/NDF : 98387.2/25

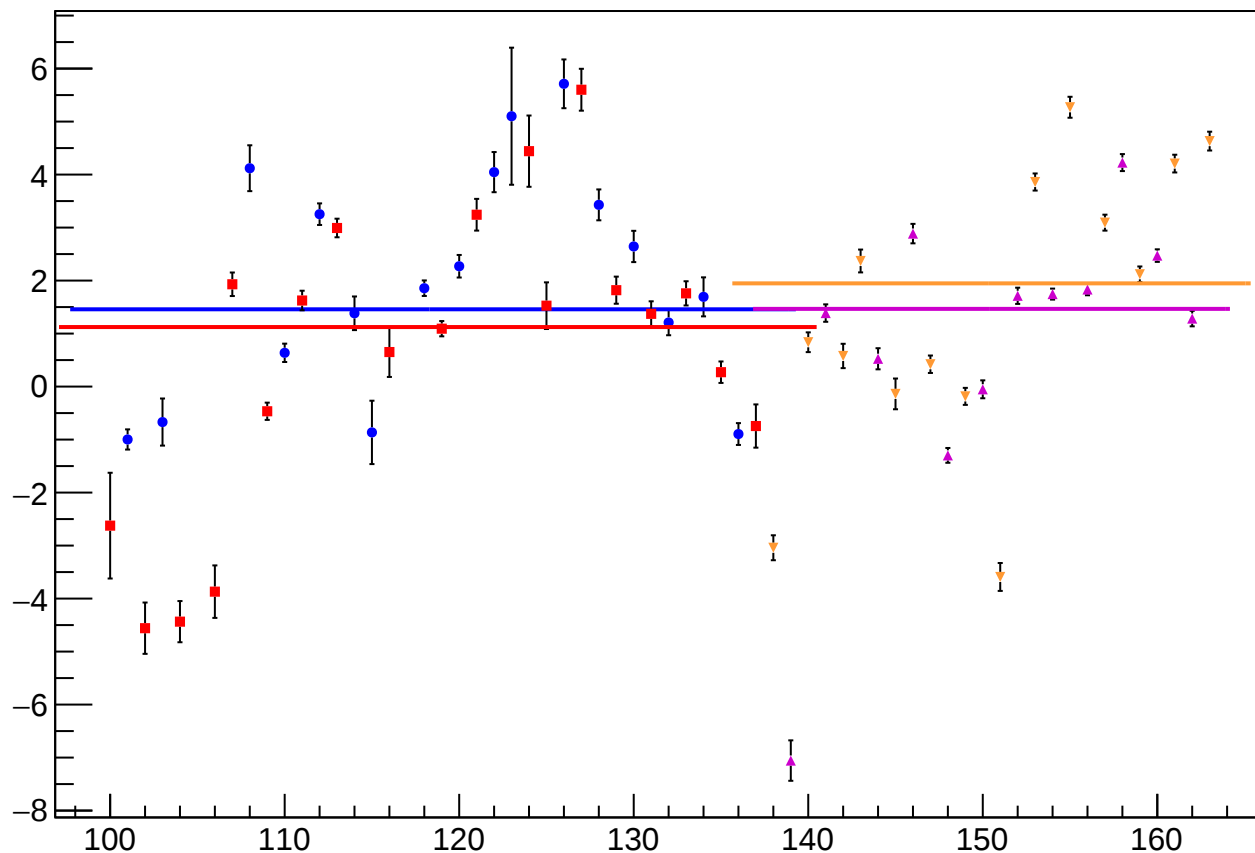
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.798+/-0.060 χ^2/NDF :36683.6/11

Out: -25.466+/-0.069 χ^2/NDF :56399.6/13

All: -21.687+/-0.045 χ^2/NDF : 98387.2/25

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: 1.947 ± 0.049 χ^2/NDF : 2173.5/13

Right Out: 1.123 ± 0.058 χ^2/NDF : 947.4/18

Left In: 1.466 ± 0.042 χ^2/NDF : 1444.5/11

Left: 1.669 ± 0.032 χ^2/NDF : 3673.0/25

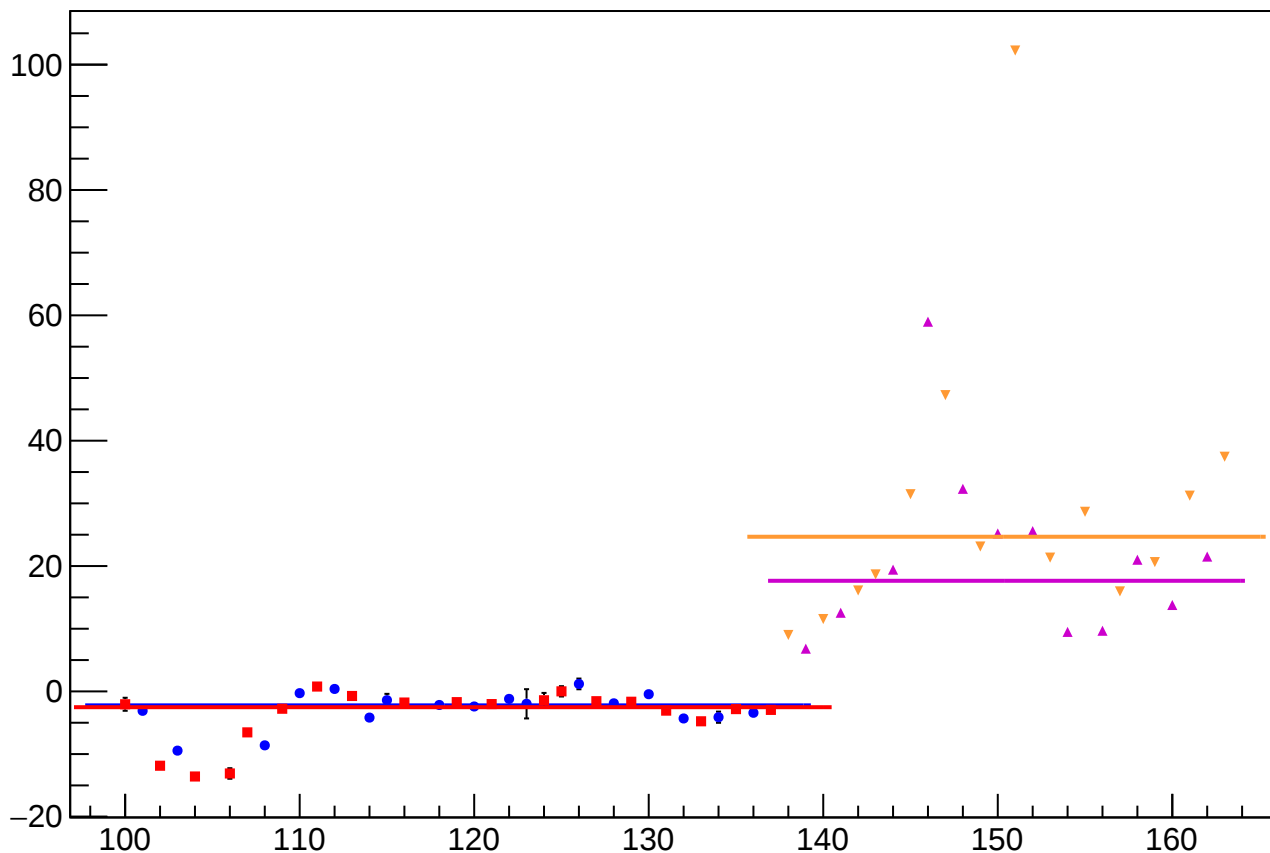
Right: 1.280 ± 0.042 χ^2/NDF : 1661.2/35

In: 1.464 ± 0.035 χ^2/NDF : 2142.7/28

Out: 1.602 ± 0.038 χ^2/NDF : 3237.9/32

All: 1.528 ± 0.026 χ^2/NDF : 5387.9/61

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: 24.675 ± 0.067 χ^2/NDF : 50474.9/13

Right Out: -2.520 ± 0.099 χ^2/NDF : 904.0/18

Left In: 17.648 ± 0.058 χ^2/NDF : 34746.8/11

Left: 20.627 ± 0.044 χ^2/NDF : 91502.3/25

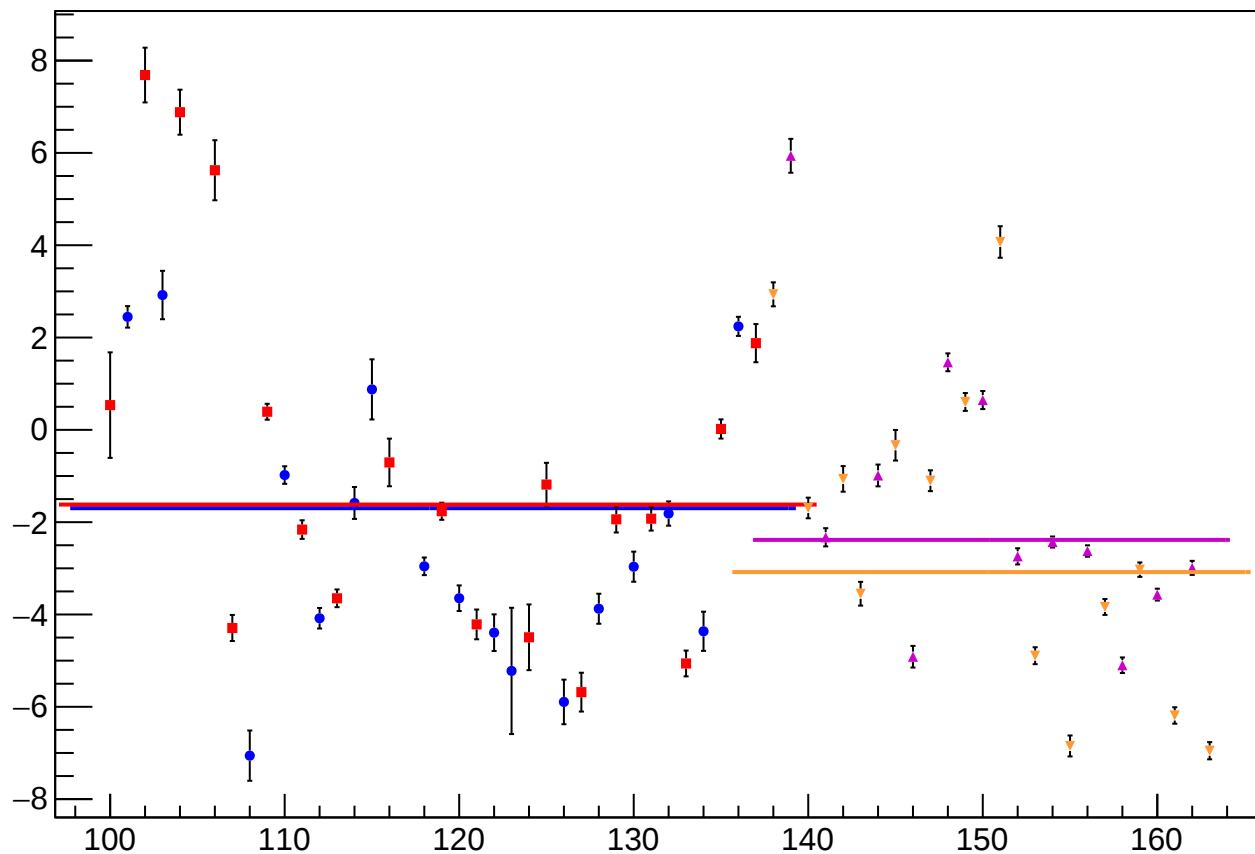
Right: -2.391 ± 0.074 χ^2/NDF : 1368.3/35

In: 13.431 ± 0.051 χ^2/NDF : 60347.0/28

Out: 16.076 ± 0.056 χ^2/NDF : 103002.4/32

All: 14.645 ± 0.038 χ^2/NDF : 164571.8/61

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: -3.081 ± 0.057 χ^2/NDF : 2706.3/13

Right Out: -1.618 ± 0.066 χ^2/NDF : 1489.2/18

Left In: -2.384 ± 0.048 χ^2/NDF : 1665.8/11

Left: -2.677 ± 0.037 χ^2/NDF : 4459.7/25

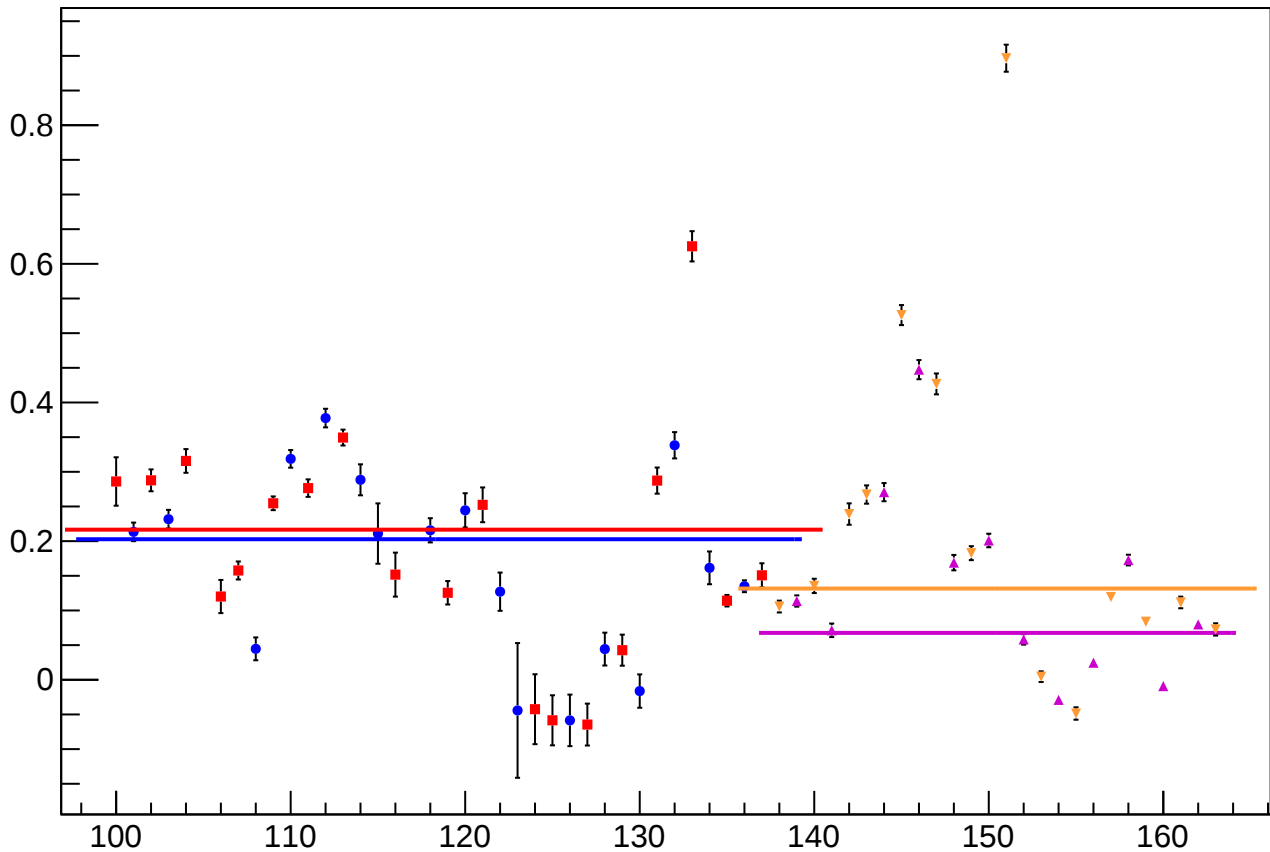
Right: -1.655 ± 0.048 χ^2/NDF : 2809.3/35

In: -2.167 ± 0.040 χ^2/NDF : 3049.0/28

Out: -2.456 ± 0.043 χ^2/NDF : 4479.7/32

All: -2.301 ± 0.029 χ^2/NDF : 7553.1/61

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.203 $\pm$ 0.004 χ^2 /NDF: 676.5/16

Left Out: 0.132 $\pm$ 0.003 χ^2 /NDF:3626.9/13

Right Out: 0.217 $\pm$ 0.004 χ^2 /NDF: 1064.4/18

Left In: 0.068 $\pm$ 0.002 χ^2 /NDF:2114.4/11

Left: 0.094 $\pm$ 0.002 χ^2 /NDF: 6113.1/25

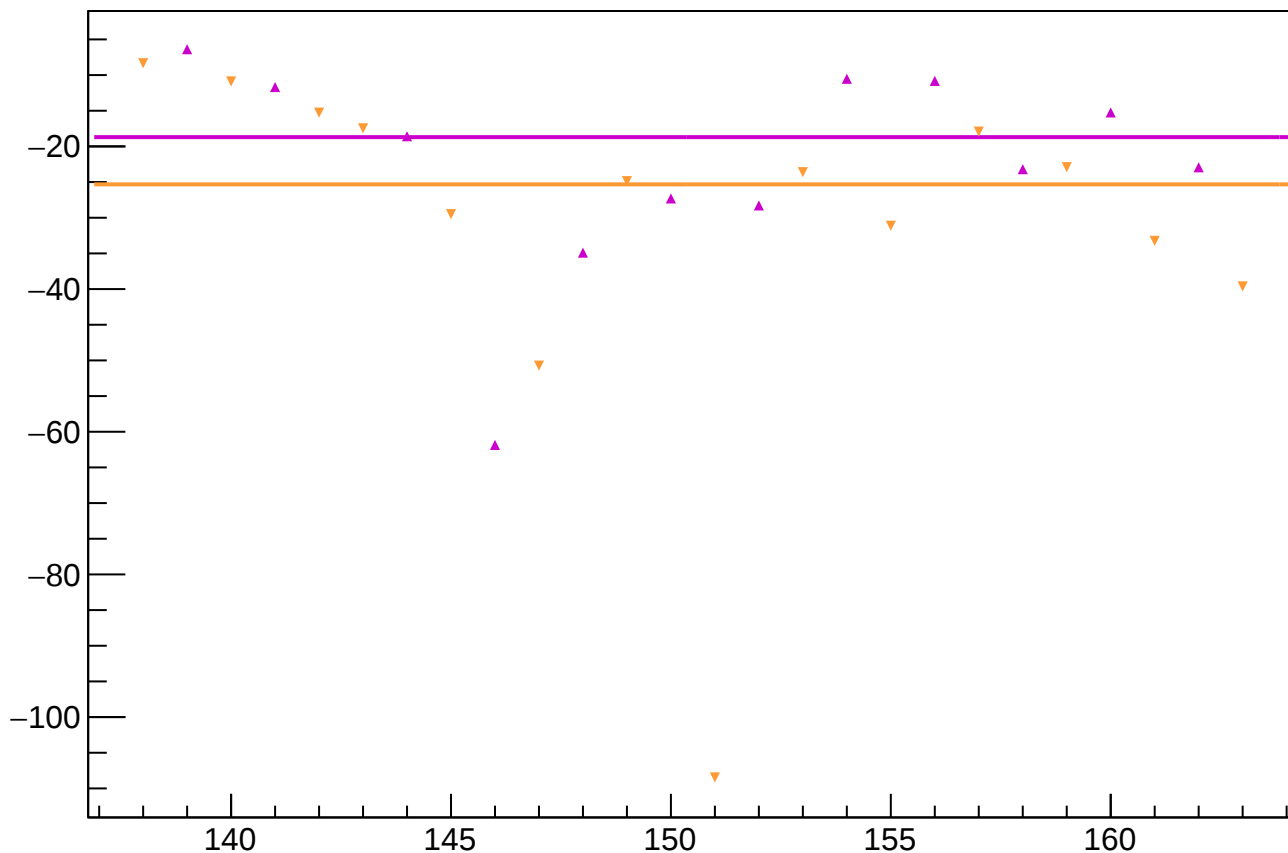
Right: 0.210 $\pm$ 0.003 χ^2 /NDF: 1747.1/35

In: 0.096 $\pm$ 0.002 χ^2 /NDF:3631.2/28

Out: 0.159 $\pm$ 0.002 χ^2 /NDF:5048.4/32

All: 0.124 $\pm$ 0.001 χ^2 /NDF: 9185.4/61

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: -25.317+/-0.068 χ^2/NDF :56206.3/13

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

Left In: -18.701+/-0.060 χ^2/NDF :36604.9/11

Left: -21.569+/-0.045 χ^2/NDF : 98095.4/25

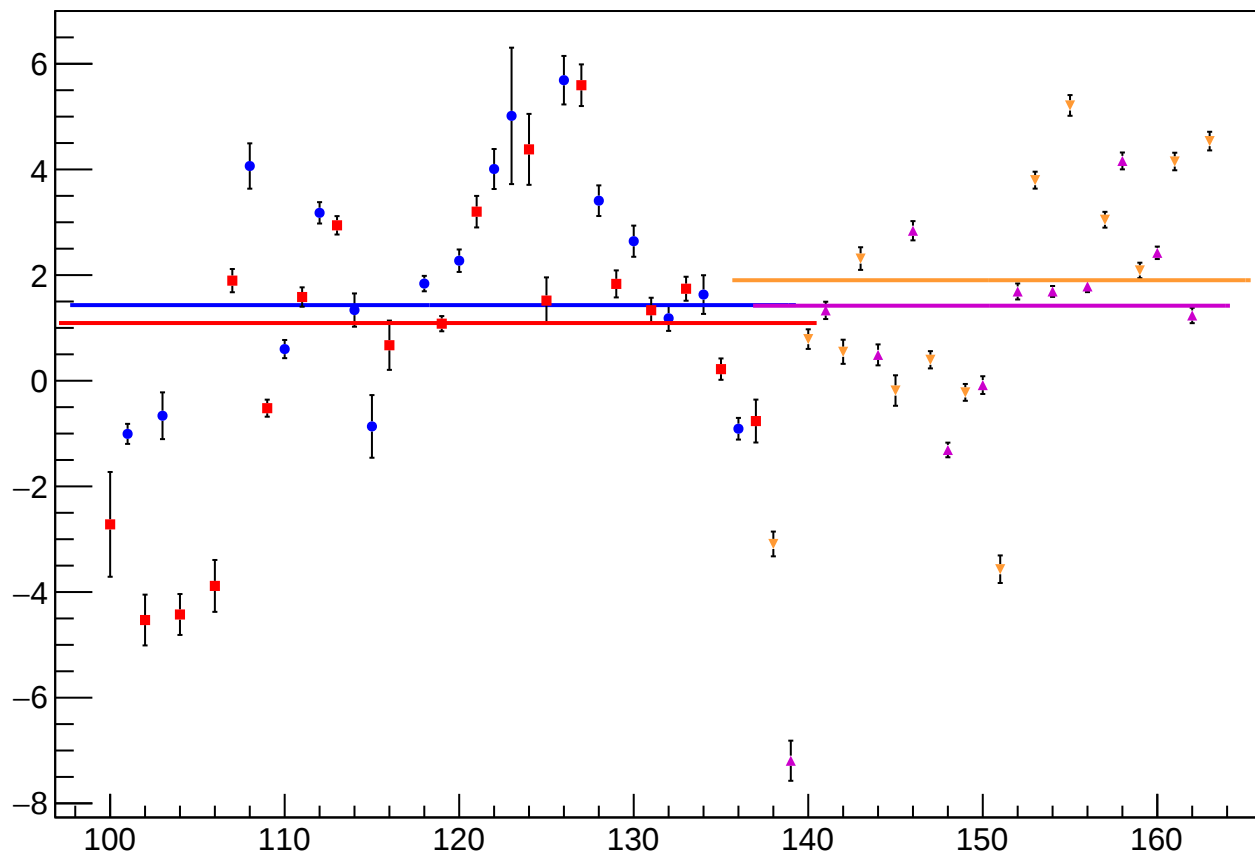
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.701+/-0.060 χ^2/NDF :36604.9/11

Out: -25.317+/-0.068 χ^2/NDF :56206.3/13

All: -21.569+/-0.045 χ^2/NDF : 98095.4/25

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.432 ± 0.062 χ^2/NDF : 696.6/16

Left Out: 1.903 ± 0.049 χ^2/NDF : 2173.0/13

Right Out: 1.092 ± 0.058 χ^2/NDF : 953.2/18

Left In: 1.421 ± 0.042 χ^2/NDF : 1455.3/11

Left: 1.624 ± 0.032 χ^2/NDF : 3684.2/25

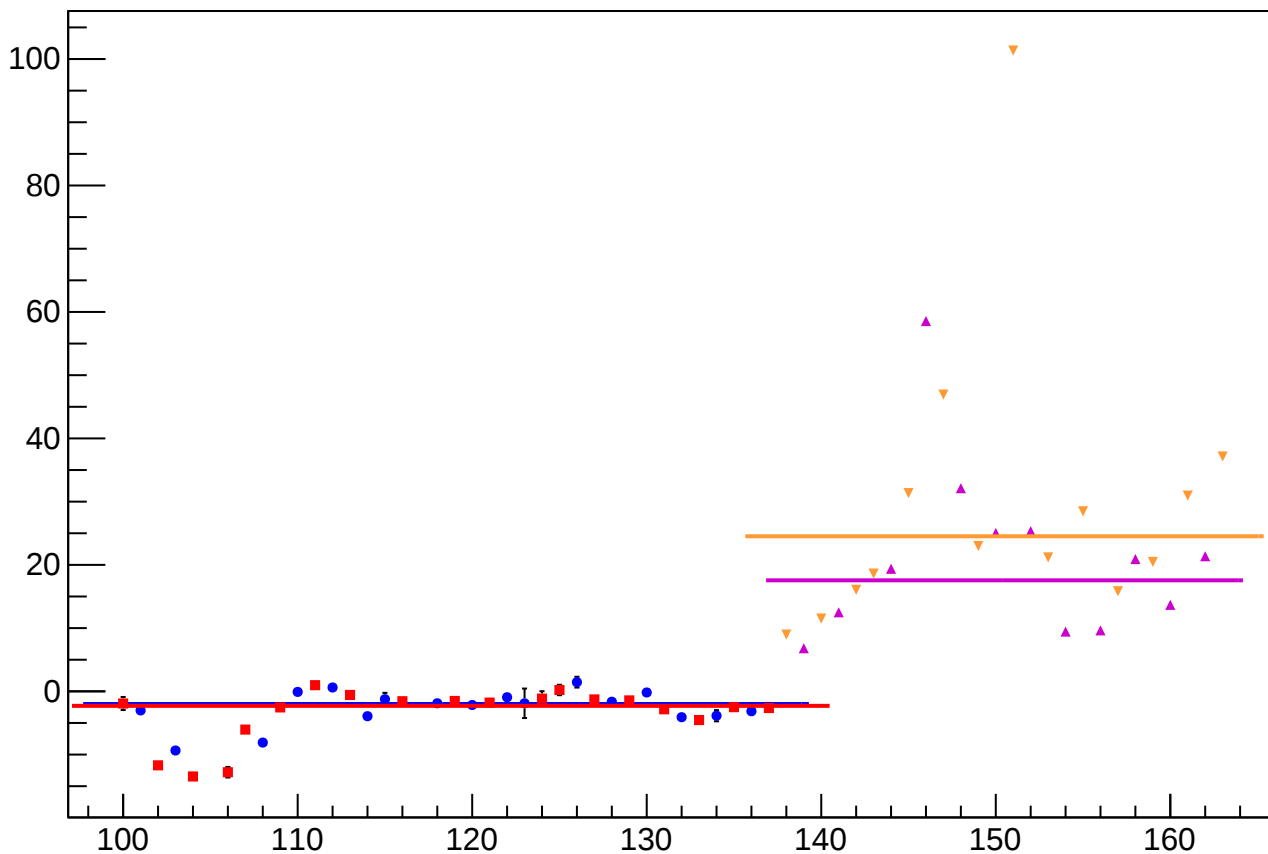
Right: 1.251 ± 0.042 χ^2/NDF : 1665.8/35

In: 1.424 ± 0.035 χ^2/NDF : 2151.8/28

Out: 1.564 ± 0.037 χ^2/NDF : 3240.5/32

All: 1.489 ± 0.025 χ^2/NDF : 5399.9/61

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: 24.525 ± 0.067 χ^2/NDF : 50329.9/13

Right Out: -2.295 ± 0.098 χ^2/NDF : 907.2/18

Left In: 17.556 ± 0.057 χ^2/NDF : 34684.7/11

Left: 20.512 ± 0.044 χ^2/NDF : 91267.4/25

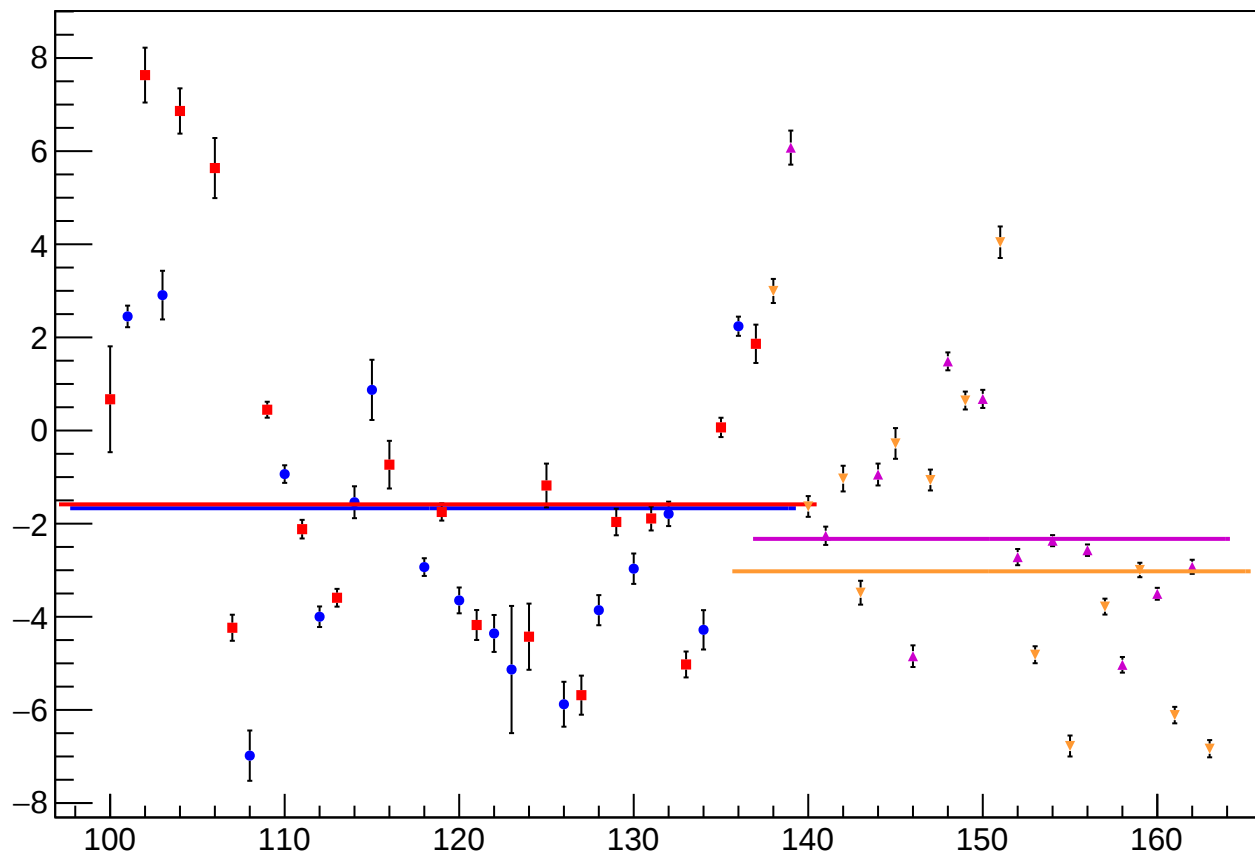
Right: -2.167 ± 0.074 χ^2/NDF : 1374.2/35

In: 13.414 ± 0.051 χ^2/NDF : 59752.1/28

Out: 16.057 ± 0.055 χ^2/NDF : 102011.8/32

All: 14.627 ± 0.037 χ^2/NDF : 162999.5/61

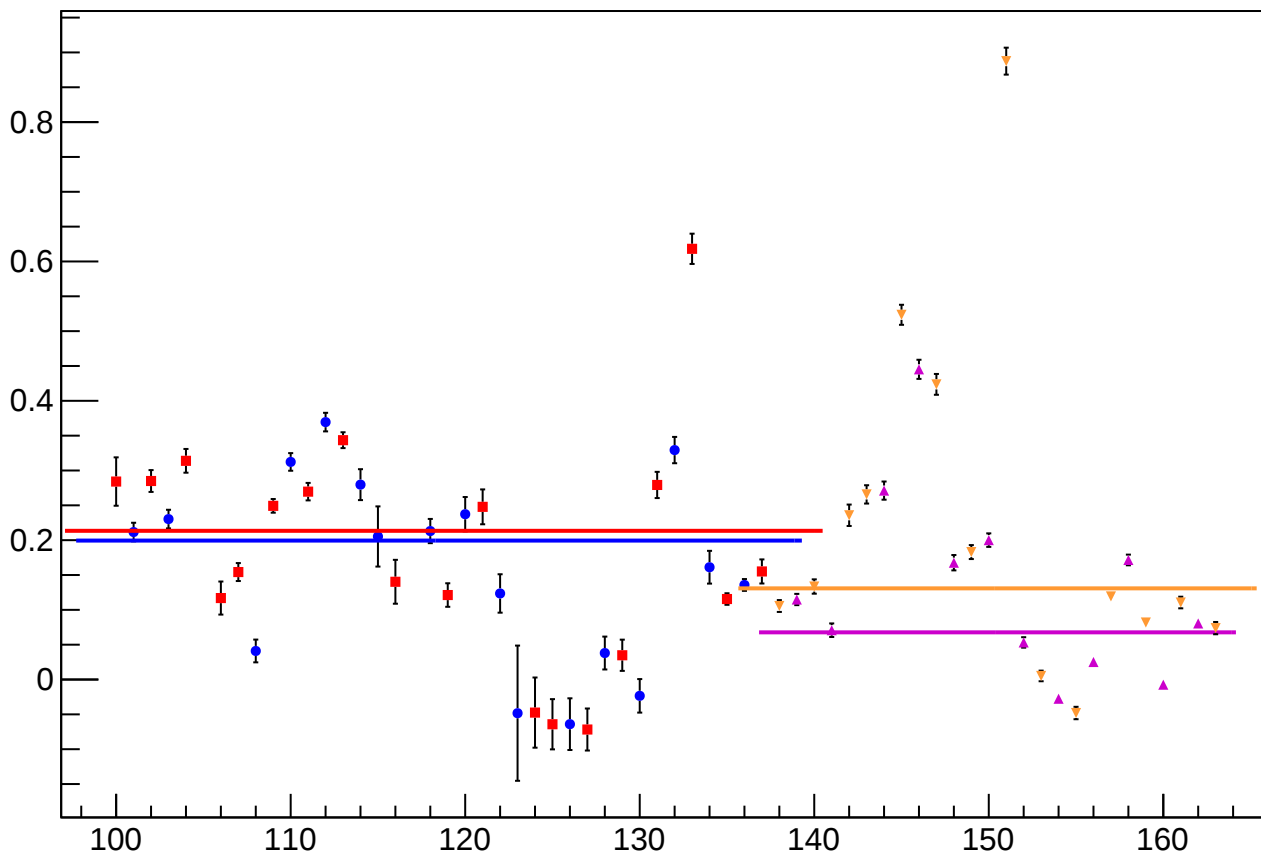
reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.669 ± 0.071 χ^2/NDF : 1314.9/16
 Left Out: -3.023 ± 0.056 χ^2/NDF : 2704.5/13
 Right Out: -1.585 ± 0.065 χ^2/NDF : 1494.7/18
 Left In: -2.327 ± 0.048 χ^2/NDF : 1680.1/11

Left: -2.620 ± 0.037 χ^2/NDF : 4473.1/25
 Right: -1.624 ± 0.048 χ^2/NDF : 2810.4/35
 In: -2.119 ± 0.040 χ^2/NDF : 3054.2/28
 Out: -2.411 ± 0.043 χ^2/NDF : 4476.9/32
 All: -2.255 ± 0.029 χ^2/NDF : 7556.0/61

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.199 $\pm$ 0.004 χ^2 /NDF: 662.1/16

Left Out: 0.131 $\pm$ 0.003 χ^2 /NDF:3618.1/13

Right Out: 0.213 $\pm$ 0.004 χ^2 /NDF: 1048.2/18

Left In: 0.068 $\pm$ 0.002 χ^2 /NDF:2108.9/11

Left: 0.093 $\pm$ 0.002 χ^2 /NDF: 6093.4/25

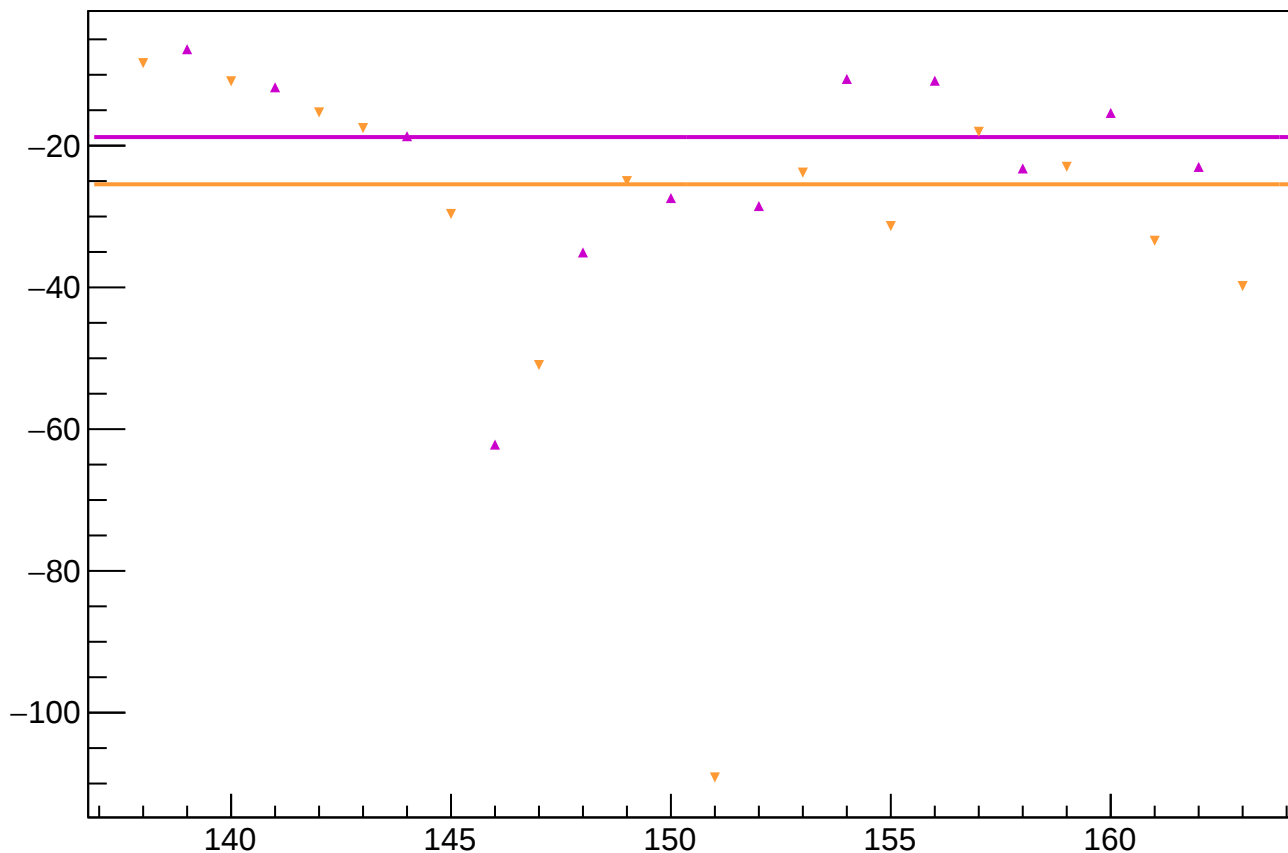
Right: 0.207 $\pm$ 0.003 χ^2 /NDF: 1716.7/35

In: 0.095 $\pm$ 0.002 χ^2 /NDF:3577.7/28

Out: 0.157 $\pm$ 0.002 χ^2 /NDF:5007.5/32

All: 0.123 $\pm$ 0.001 χ^2 /NDF: 9082.3/61

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -25.451+/-0.069 χ^2/NDF :56330.1/13

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

Left In: -18.790+/-0.060 χ^2/NDF :36671.7/11

Left: -21.675+/-0.045 χ^2/NDF : 98316.4/25

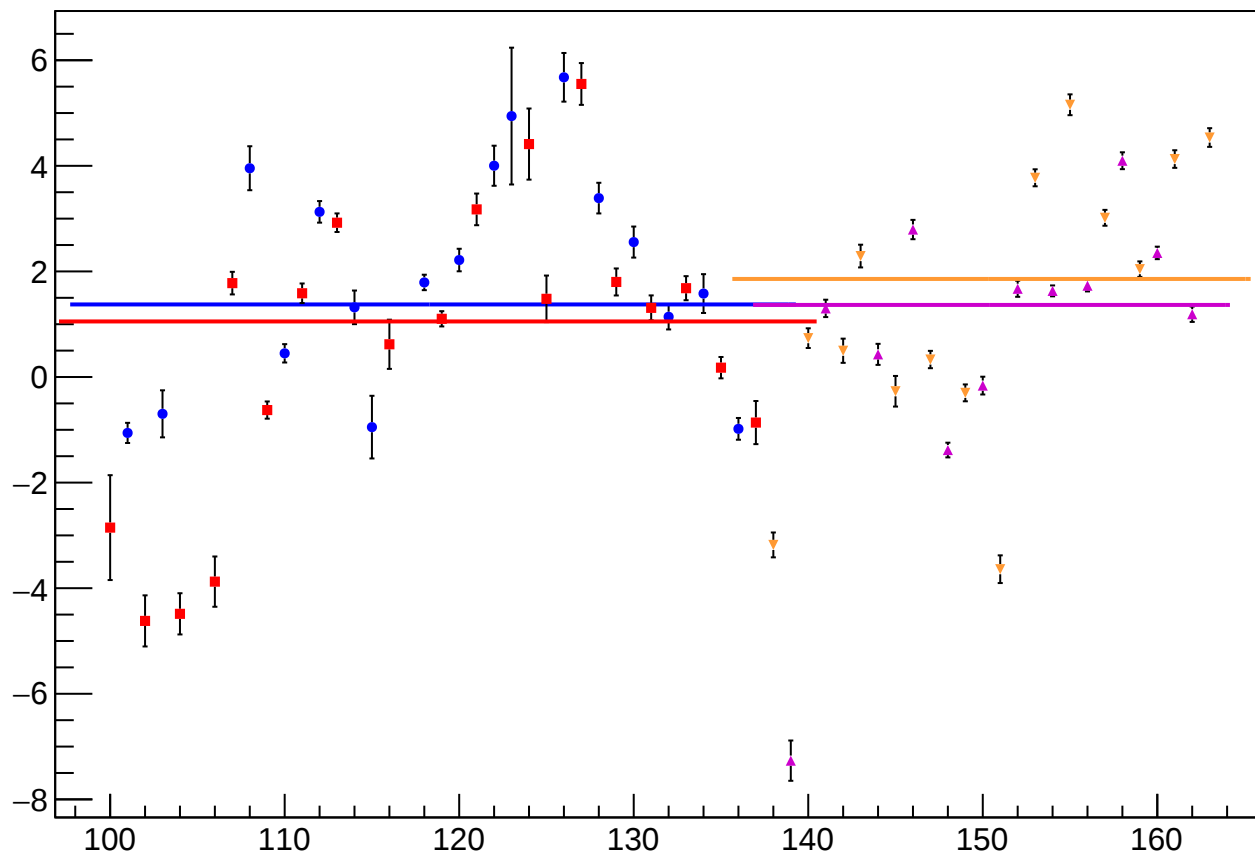
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.790+/-0.060 χ^2/NDF :36671.7/11

Out: -25.451+/-0.069 χ^2/NDF :56330.1/13

All: -21.675+/-0.045 χ^2/NDF : 98316.4/25

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.375 $\pm$ 0.062 χ^2 /NDF: 702.4/16

Left Out: 1.858 $\pm$ 0.049 χ^2 /NDF:2191.4/13

Right Out: 1.052 $\pm$ 0.058 χ^2 /NDF: 964.0/18

Left In: 1.365 $\pm$ 0.042 χ^2 /NDF:1451.5/11

Left: 1.573 $\pm$ 0.032 χ^2 /NDF: 3700.7/25

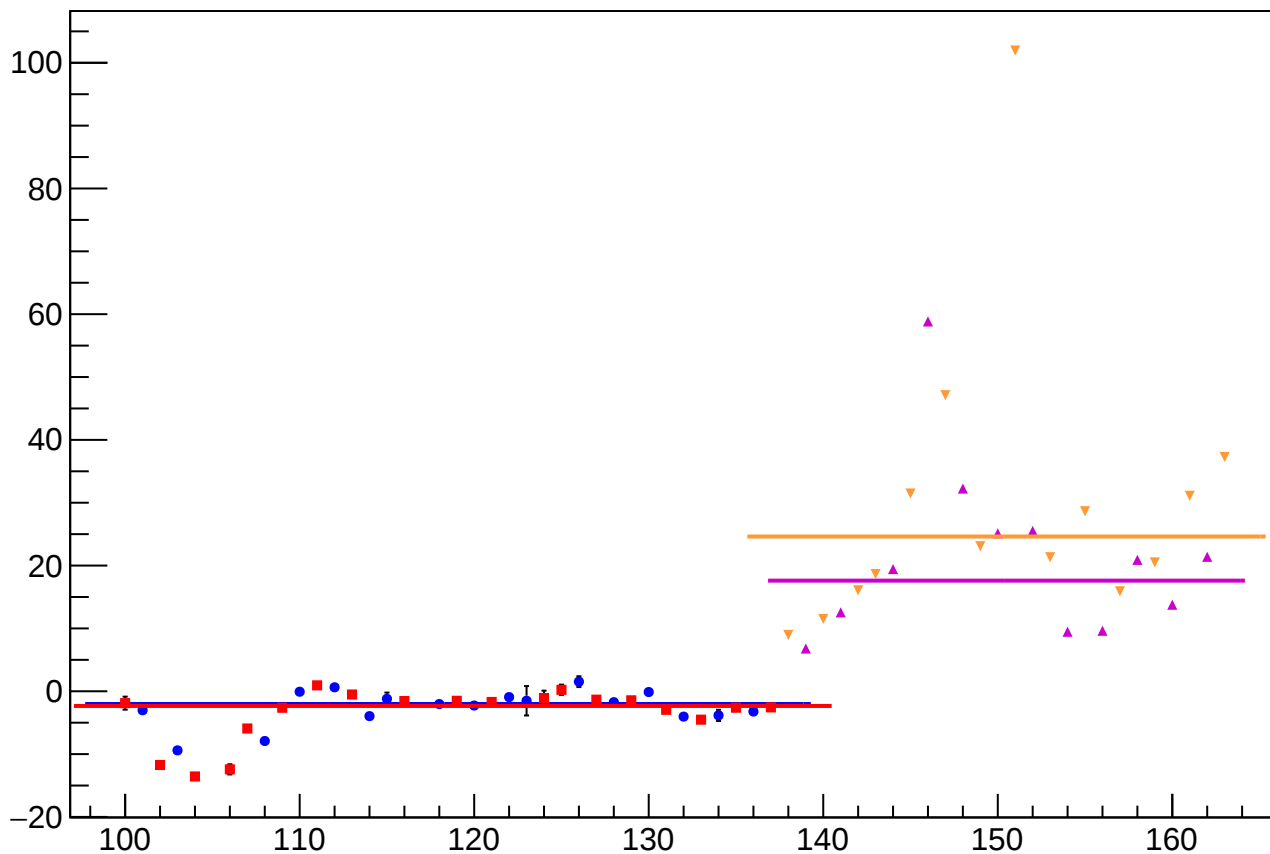
Right: 1.203 $\pm$ 0.042 χ^2 /NDF: 1680.9/35

In: 1.368 $\pm$ 0.035 χ^2 /NDF:2153.9/28

Out: 1.520 $\pm$ 0.038 χ^2 /NDF:3267.5/32

All: 1.439 $\pm$ 0.026 χ^2 /NDF: 5430.3/61

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.031 ± 0.111 χ^2/NDF : 463.2/16

Left Out: 24.622 ± 0.067 χ^2/NDF : 50435.5/13

Right Out: -2.336 ± 0.099 χ^2/NDF : 902.0/18

Left In: 17.604 ± 0.058 χ^2/NDF : 34757.2/11

Left: 20.578 ± 0.044 χ^2/NDF : 91485.7/25

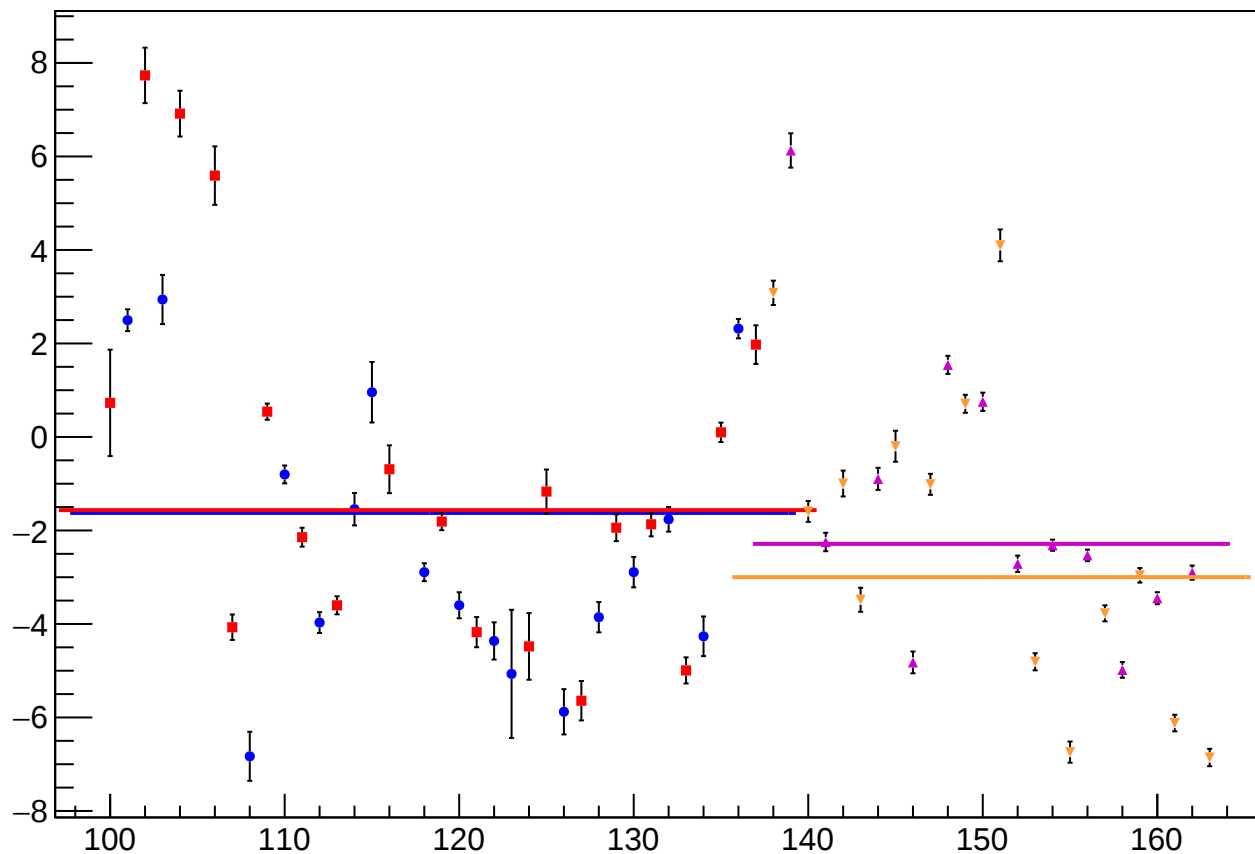
Right: -2.202 ± 0.074 χ^2/NDF : 1369.3/35

In: 13.457 ± 0.051 χ^2/NDF : 59766.5/28

Out: 16.119 ± 0.056 χ^2/NDF : 102160.7/32

All: 14.678 ± 0.038 χ^2/NDF : 163169.5/61

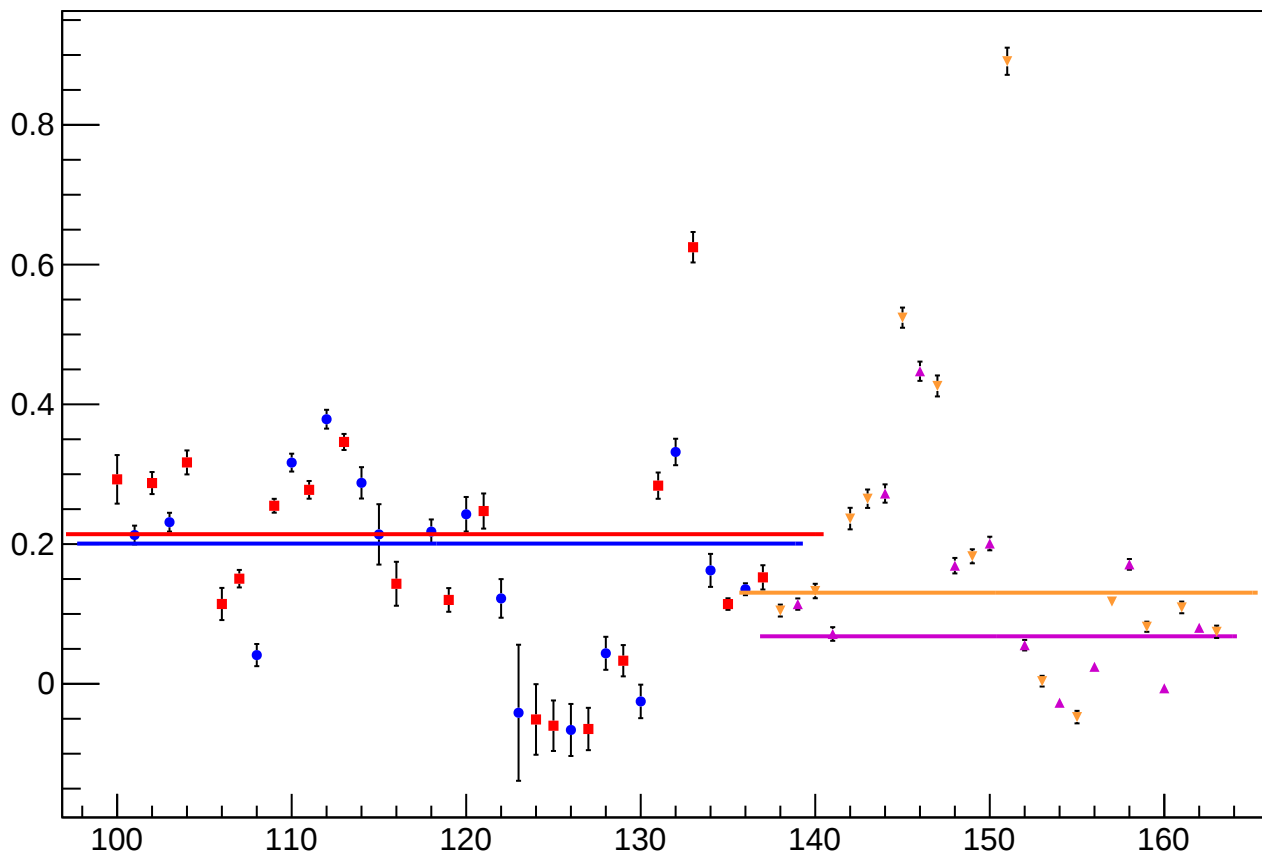
reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.625 ± 0.071 χ^2/NDF : 1320.8/16
 Left Out: -2.998 ± 0.057 χ^2/NDF : 2729.1/13
 Right Out: -1.565 ± 0.066 χ^2/NDF : 1505.8/18
 Left In: -2.287 ± 0.048 χ^2/NDF : 1677.2/11

Left: -2.586 ± 0.037 χ^2/NDF : 4497.8/25
 Right: -1.592 ± 0.048 χ^2/NDF : 2826.9/35
 In: -2.079 ± 0.040 χ^2/NDF : 3057.4/28
 Out: -2.387 ± 0.043 χ^2/NDF : 4508.7/32
 All: -2.222 ± 0.029 χ^2/NDF : 7593.8/61

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 ± 0.004 χ^2/NDF : 690.6/16

Left Out: 0.130 ± 0.003 χ^2/NDF : 3609.9/13

Right Out: 0.214 ± 0.004 χ^2/NDF : 1080.4/18

Left In: 0.068 ± 0.002 χ^2/NDF : 2099.6/11

Left: 0.093 ± 0.002 χ^2/NDF : 6065.1/25

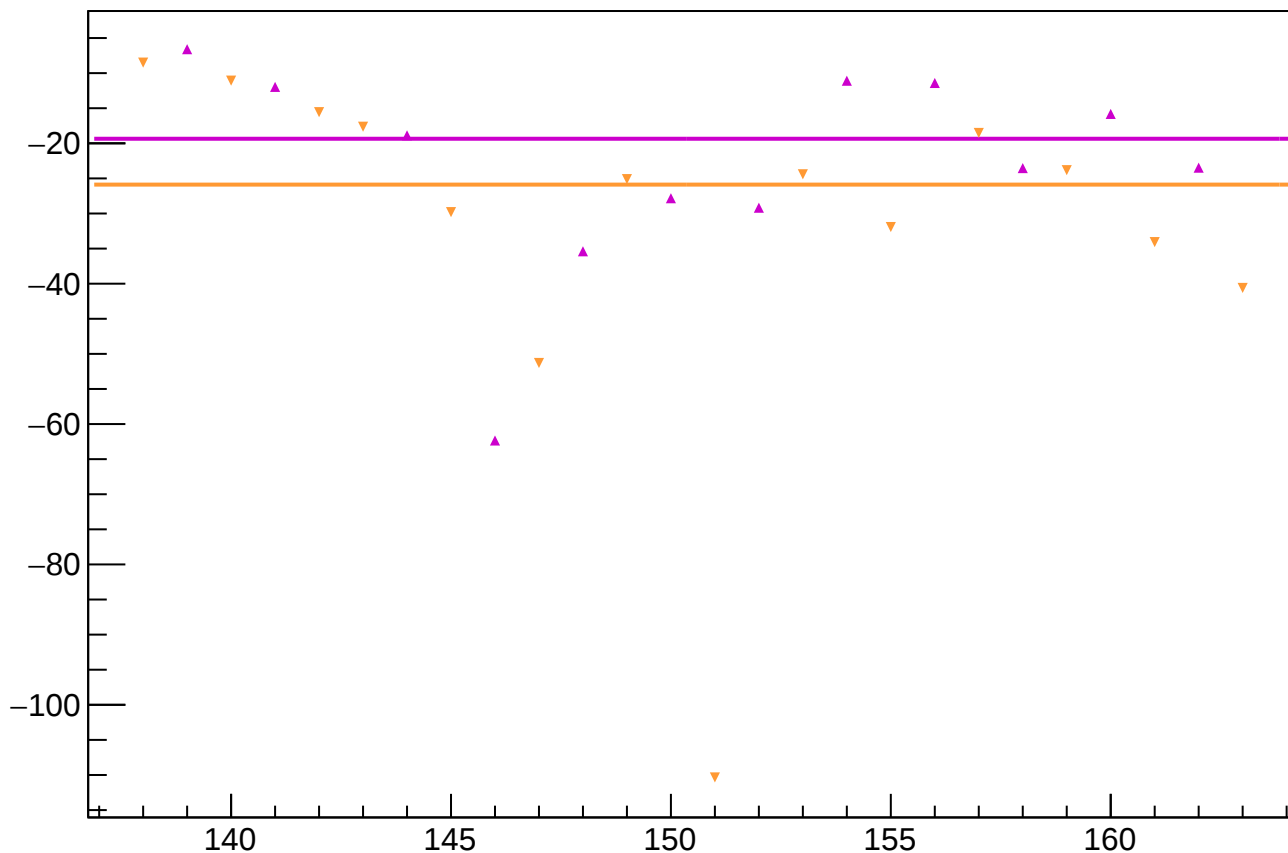
Right: 0.208 ± 0.003 χ^2/NDF : 1776.9/35

In: 0.095 ± 0.002 χ^2/NDF : 3603.2/28

Out: 0.158 ± 0.002 χ^2/NDF : 5039.1/32

All: 0.123 ± 0.001 χ^2/NDF : 9129.0/61

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: -25.883+/-0.070 χ^2/NDF :56258.8/13

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

Left In: -19.350+/-0.062 χ^2/NDF :35548.3/11

Left: -22.205+/-0.046 χ^2/NDF : 96720.9/25

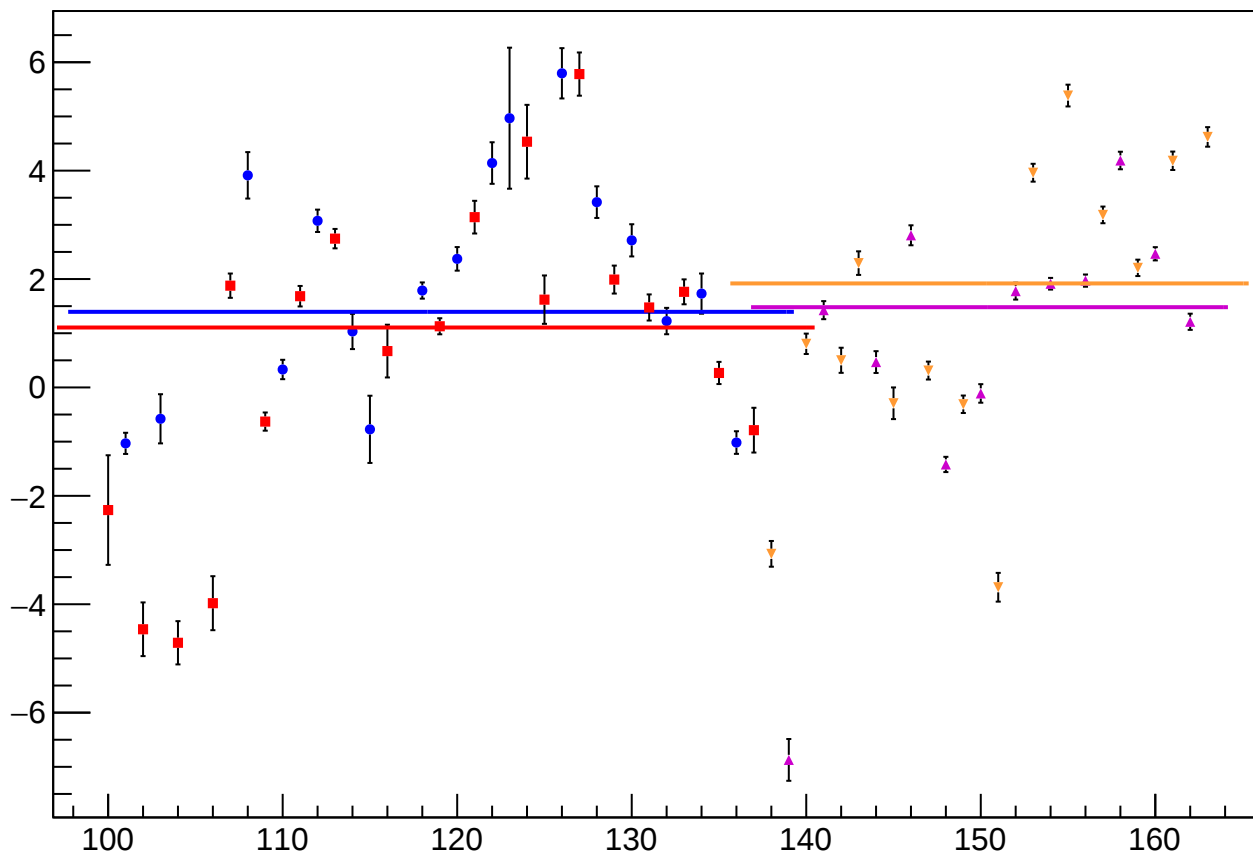
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.350+/-0.062 χ^2/NDF :35548.3/11

Out: -25.883+/-0.070 χ^2/NDF :56258.8/13

All: -22.205+/-0.046 χ^2/NDF : 96720.9/25

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.395 $\pm$ 0.063 χ^2/NDF : 701.4/16

Left Out: 1.919 $\pm$ 0.050 χ^2/NDF :2230.6/13

Right Out: 1.106 $\pm$ 0.059 χ^2/NDF : 937.0/18

Left In: 1.481 $\pm$ 0.043 χ^2/NDF :1444.8/11

Left: 1.668 $\pm$ 0.033 χ^2/NDF : 3719.3/25

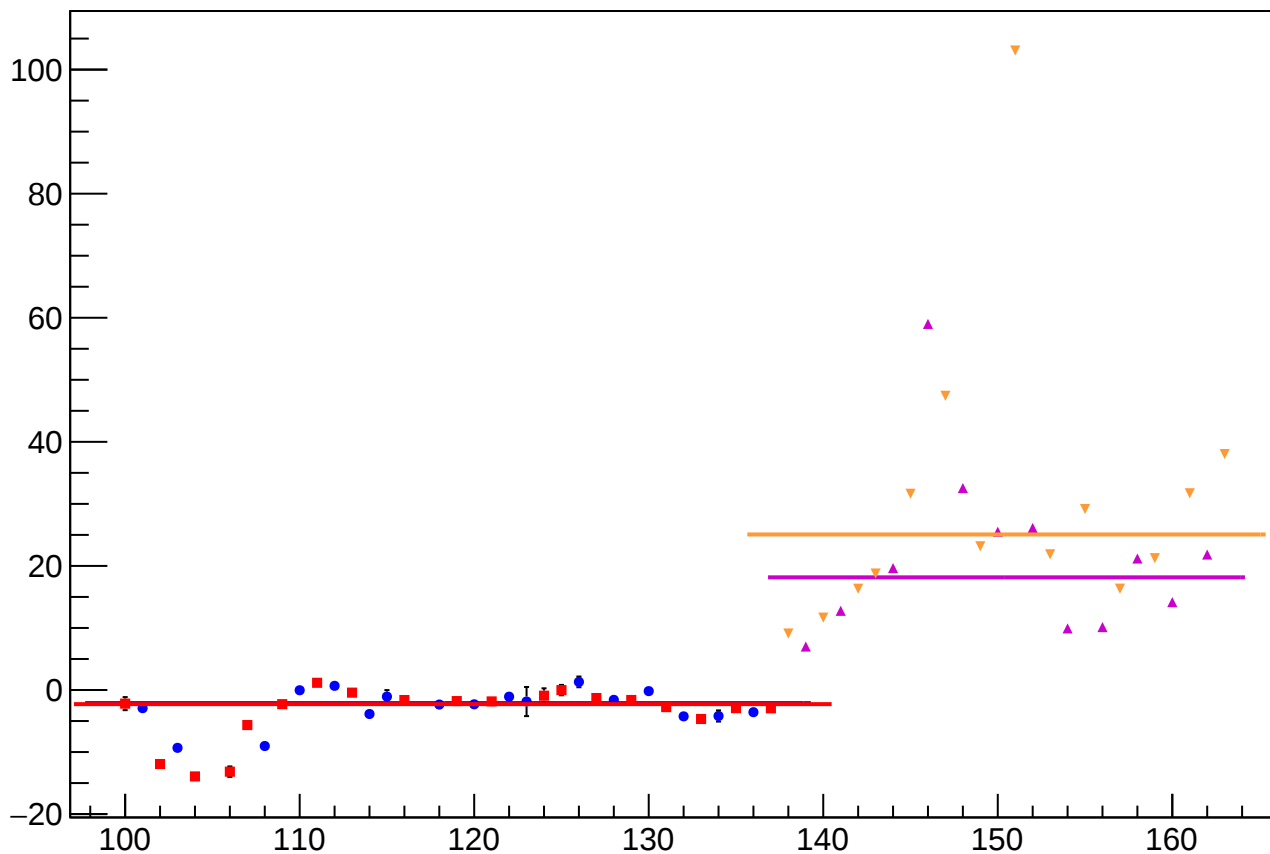
Right: 1.241 $\pm$ 0.043 χ^2/NDF : 1649.6/35

In: 1.453 $\pm$ 0.036 χ^2/NDF :2147.5/28

Out: 1.580 $\pm$ 0.038 χ^2/NDF :3277.6/32

All: 1.512 $\pm$ 0.026 χ^2/NDF : 5430.9/61

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.119 ± 0.113 χ^2/NDF : 486.3/16

Left Out: 25.071 ± 0.068 χ^2/NDF : 50215.3/13

Right Out: -2.277 ± 0.101 χ^2/NDF : 919.4/18

Left In: 18.158 ± 0.059 χ^2/NDF : 33550.9/11

Left: 21.115 ± 0.045 χ^2/NDF : 89624.4/25

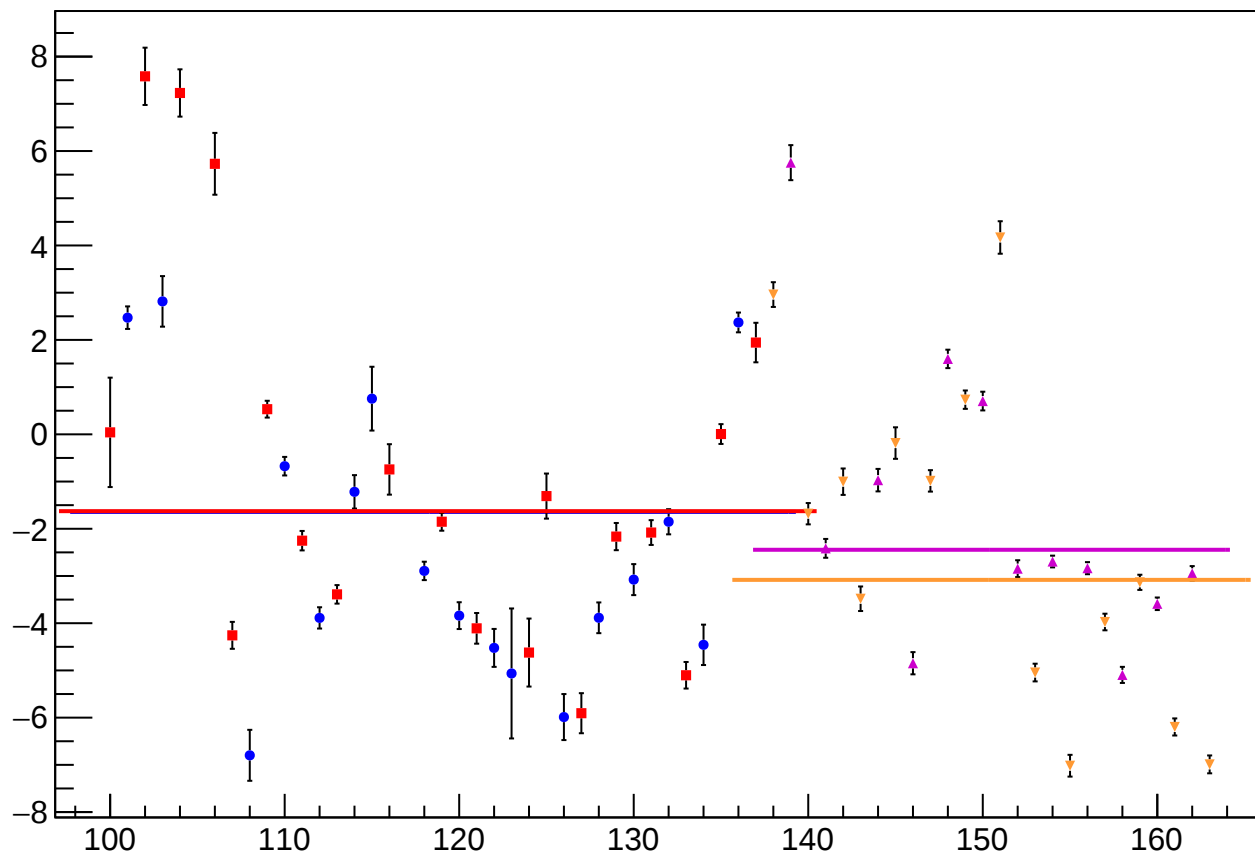
Right: -2.207 ± 0.075 χ^2/NDF : 1406.8/35

In: 13.826 ± 0.052 χ^2/NDF : 59224.3/28

Out: 16.491 ± 0.057 χ^2/NDF : 101410.4/32

All: 15.055 ± 0.038 χ^2/NDF : 161829.2/61

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: -3.082 ± 0.058 $\chi^2/\text{NDF}: 2767.3/13$

Right Out: -1.627 ± 0.067 $\chi^2/\text{NDF}: 1468.1/18$

Left In: -2.445 ± 0.049 $\chi^2/\text{NDF}: 1656.4/11$

Left: -2.715 ± 0.038 $\chi^2/\text{NDF}: 4494.2/25$

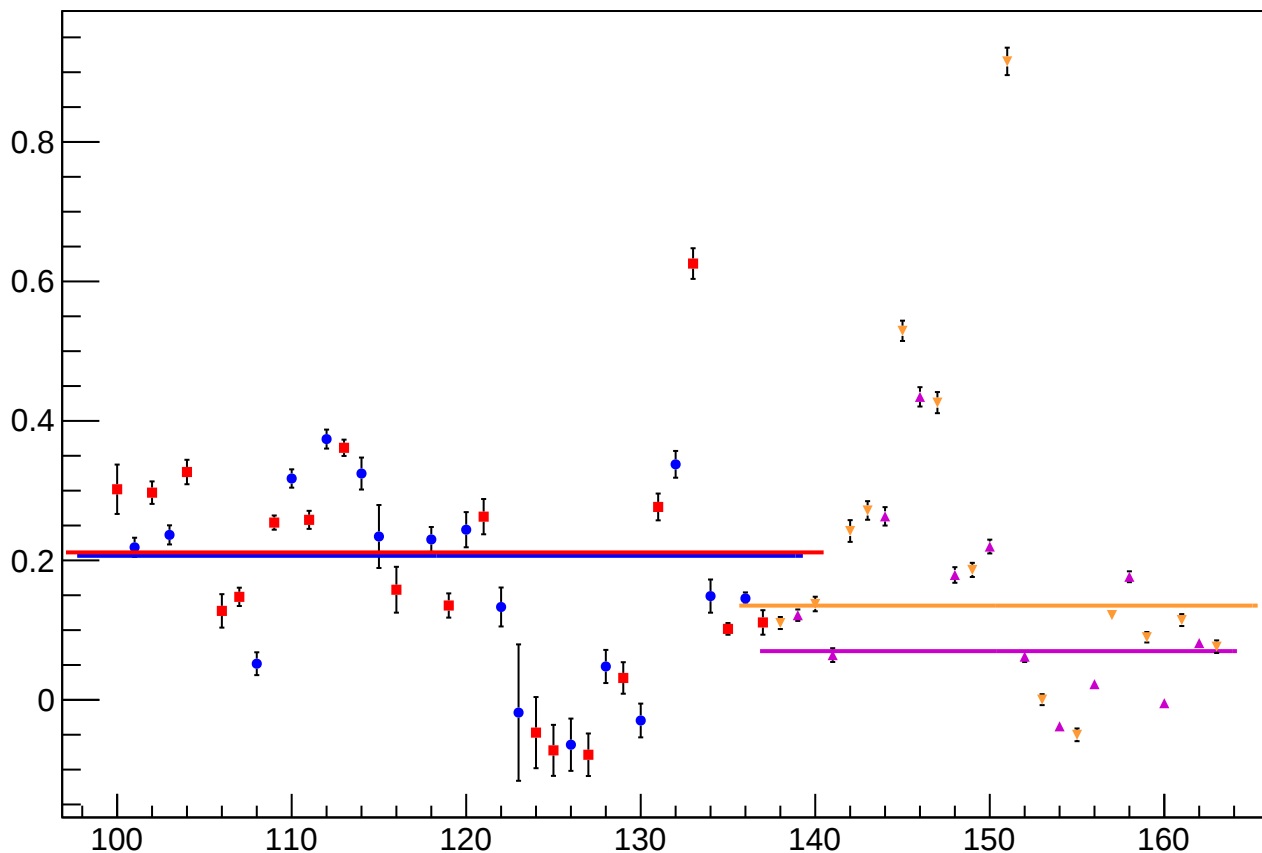
Right: -1.635 ± 0.049 $\chi^2/\text{NDF}: 2778.2/35$

In: -2.190 ± 0.041 $\chi^2/\text{NDF}: 3050.1/28$

Out: -2.464 ± 0.044 $\chi^2/\text{NDF}: 4507.1/32$

All: -2.318 ± 0.030 $\chi^2/\text{NDF}: 7578.2/61$

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: 0.135 ± 0.003 χ^2/NDF : 3660.0/13

Right Out: 0.211 ± 0.004 χ^2/NDF : 1145.6/18

Left In: 0.070 ± 0.002 χ^2/NDF : 2139.7/11

Left: 0.097 ± 0.002 χ^2/NDF : 6171.8/25

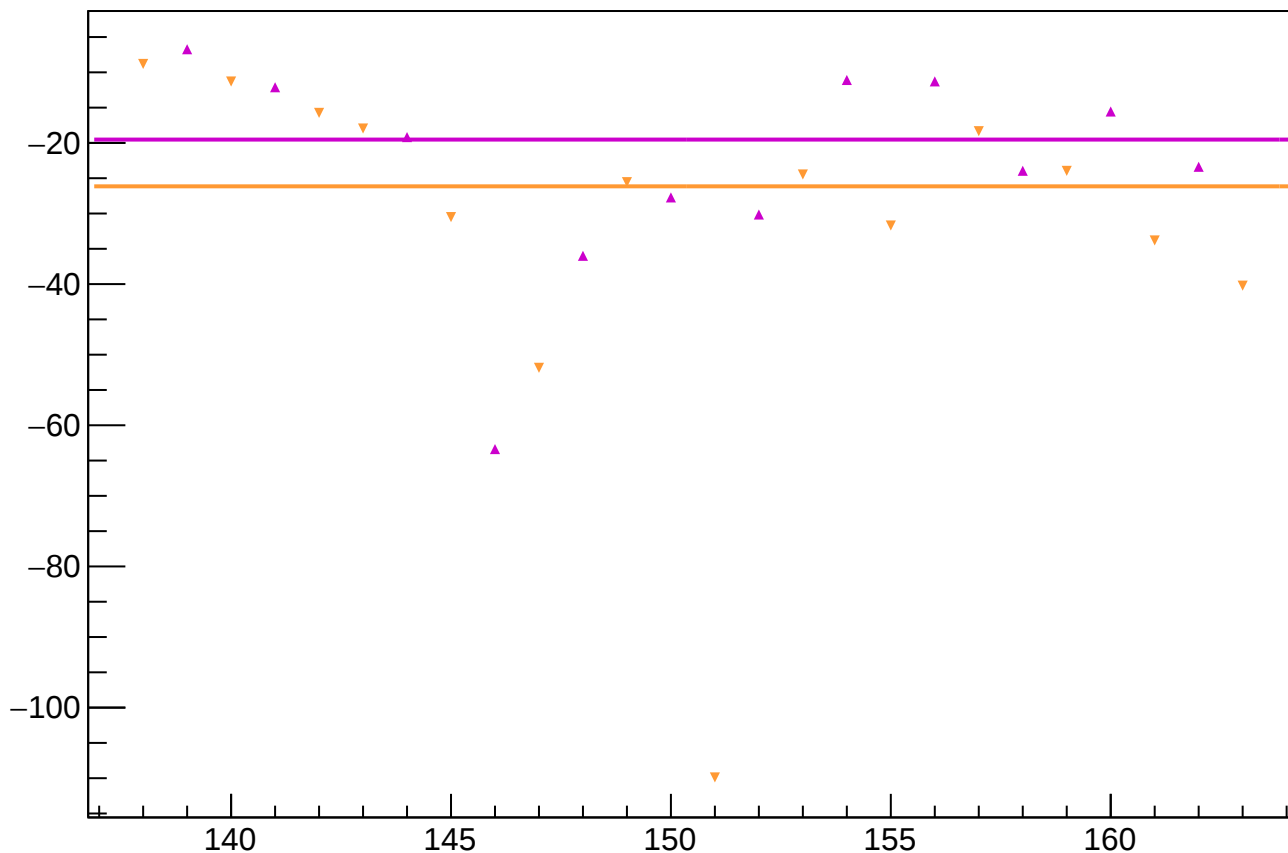
Right: 0.209 ± 0.003 χ^2/NDF : 1801.3/35

In: 0.098 ± 0.002 χ^2/NDF : 3624.5/28

Out: 0.160 ± 0.002 χ^2/NDF : 5084.0/32

All: 0.126 ± 0.001 χ^2/NDF : 9161.3/61

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -26.150+/-0.071 χ^2/NDF :54975.4/13

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

Left In: -19.526+/-0.063 χ^2/NDF :35895.7/11

Left: -22.435+/-0.047 χ^2/NDF : 95790.7/25

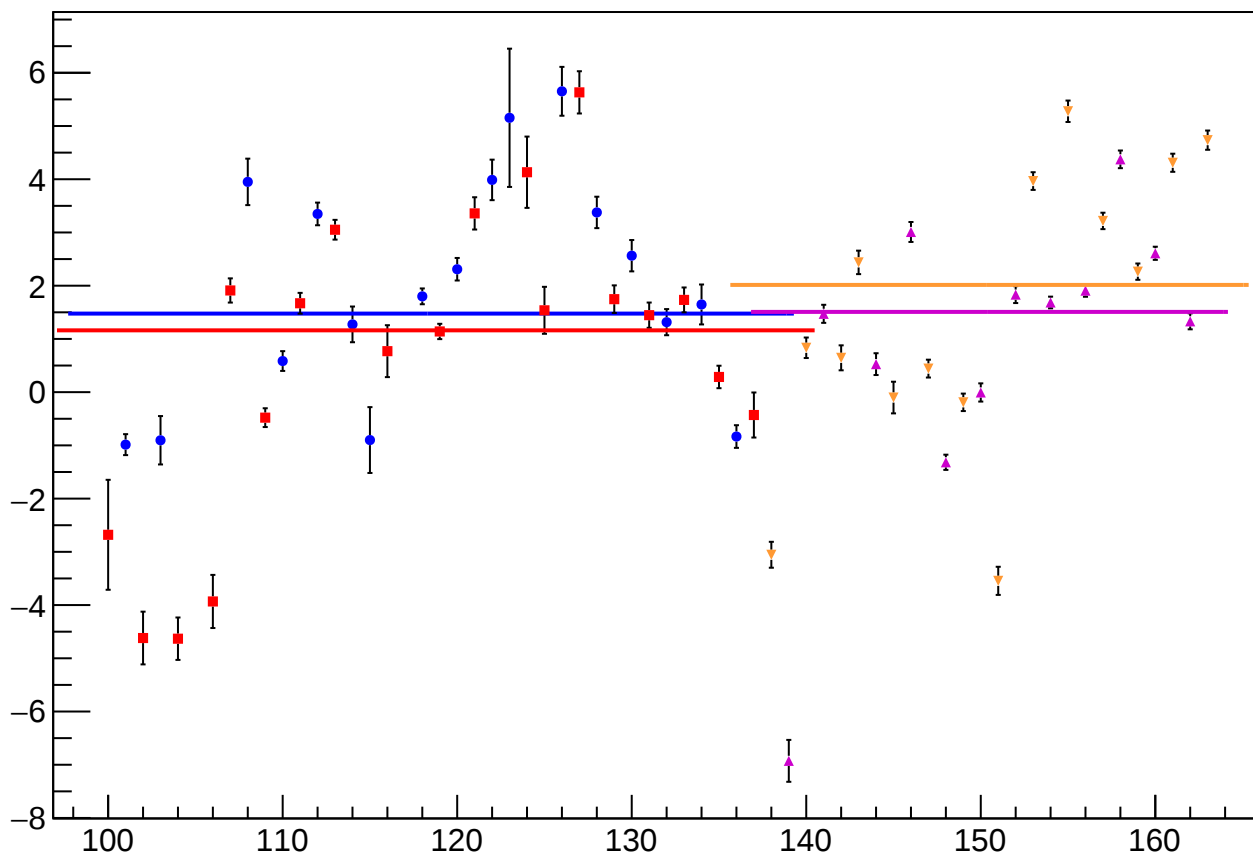
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.526+/-0.063 χ^2/NDF :35895.7/11

Out: -26.150+/-0.071 χ^2/NDF :54975.4/13

All: -22.435+/-0.047 χ^2/NDF : 95790.7/25

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: 2.015 $\pm$ 0.051 χ^2 /NDF: 2143.3/13

Right Out: 1.161 $\pm$ 0.060 χ^2 /NDF: 917.9/18

Left In: 1.508 $\pm$ 0.044 χ^2 /NDF: 1413.3/11

Left: 1.725 $\pm$ 0.033 χ^2 /NDF: 3614.0/25

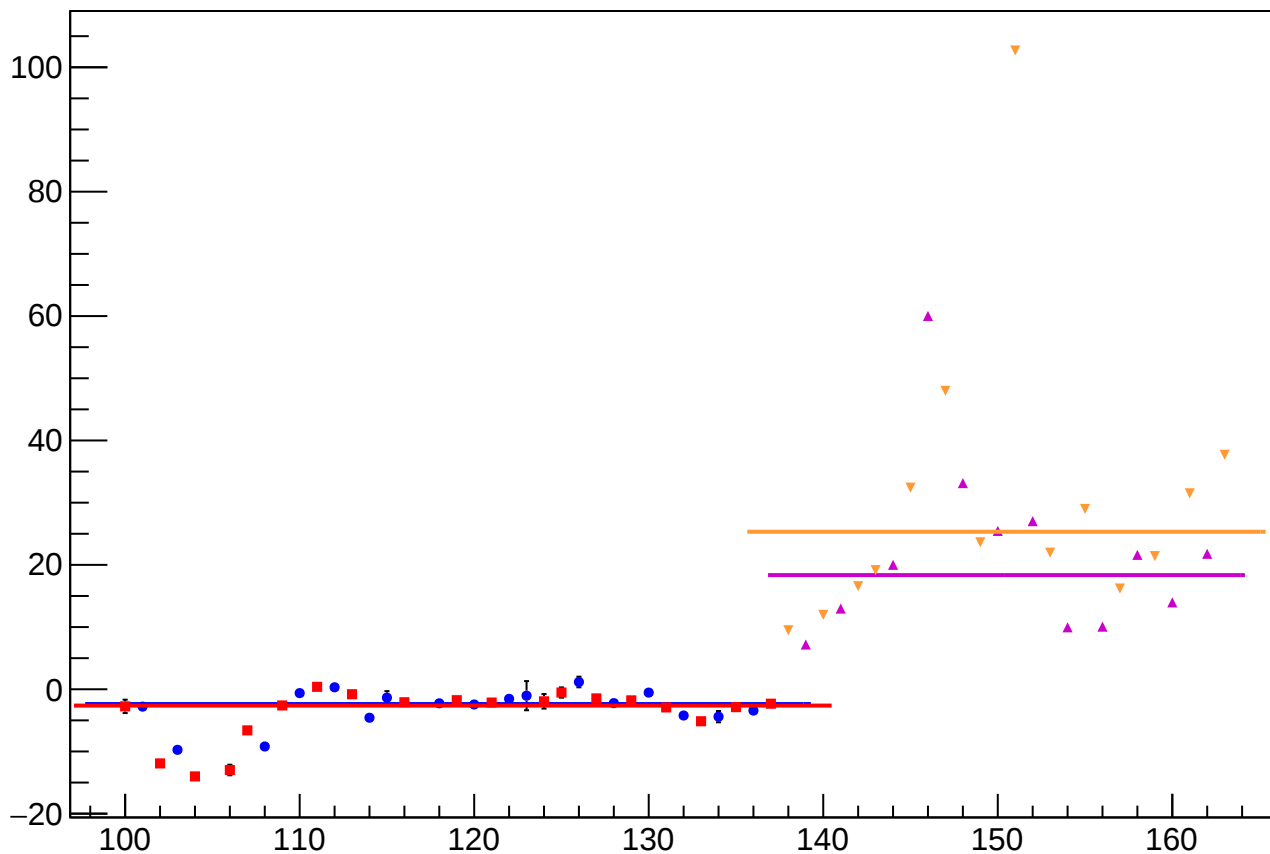
Right: 1.309 $\pm$ 0.044 χ^2 /NDF: 1590.5/35

In: 1.497 $\pm$ 0.036 χ^2 /NDF: 2073.1/28

Out: 1.660 $\pm$ 0.039 χ^2 /NDF: 3179.7/32

All: 1.573 $\pm$ 0.026 χ^2 /NDF: 5262.2/61

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: 25.327 ± 0.069 χ^2/NDF : 49216.8/13

Right Out: -2.623 ± 0.103 χ^2/NDF : 841.3/18

Left In: 18.356 ± 0.060 χ^2/NDF : 33927.2/11

Left: 21.354 ± 0.045 χ^2/NDF : 88954.8/25

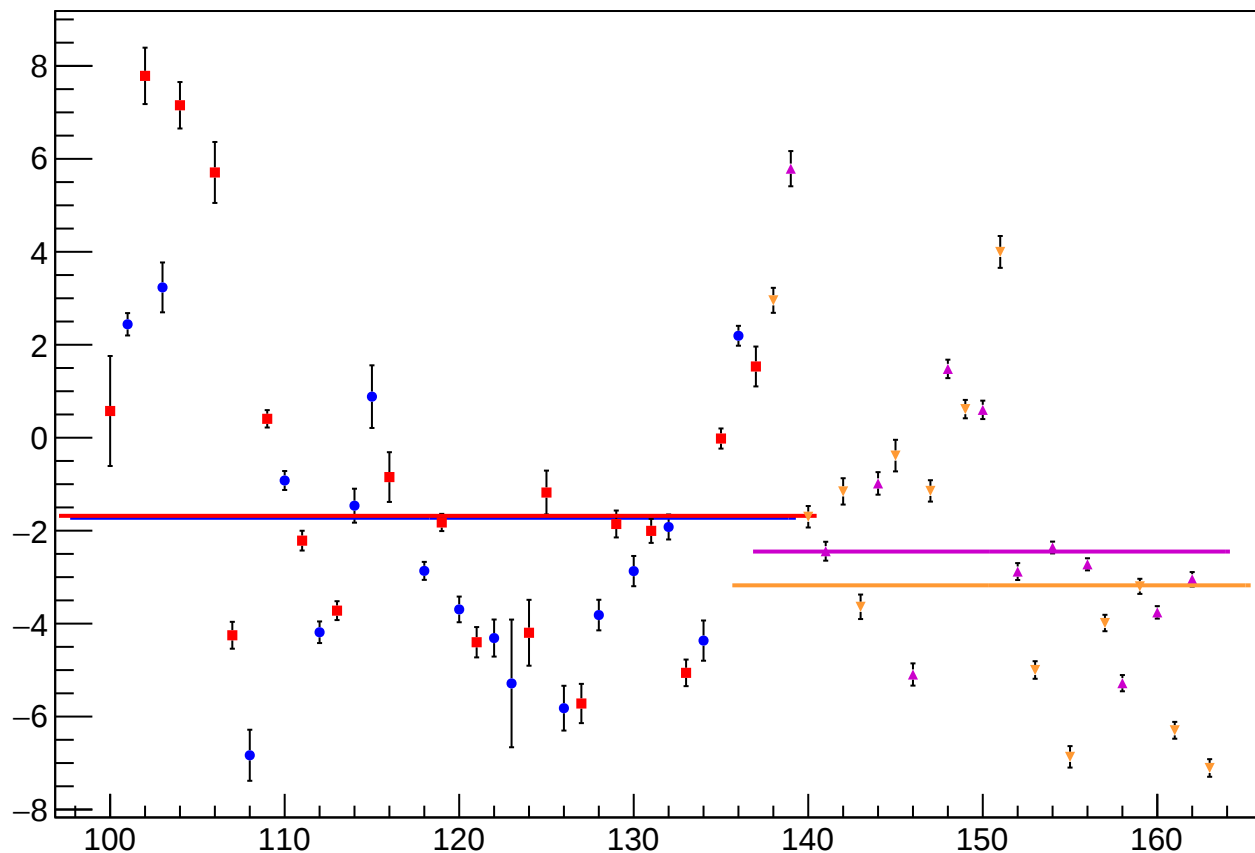
Right: -2.514 ± 0.077 χ^2/NDF : 1282.5/35

In: 13.923 ± 0.053 χ^2/NDF : 59915.2/28

Out: 16.692 ± 0.057 χ^2/NDF : 100690.5/32

All: 15.202 ± 0.039 χ^2/NDF : 161857.7/61

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: -3.176 ± 0.058 $\chi^2/\text{NDF}: 2661.1/13$

Right Out: -1.681 ± 0.068 $\chi^2/\text{NDF}: 1431.0/18$

Left In: -2.449 ± 0.050 $\chi^2/\text{NDF}: 1643.4/11$

Left: -2.760 ± 0.038 $\chi^2/\text{NDF}: 4394.1/25$

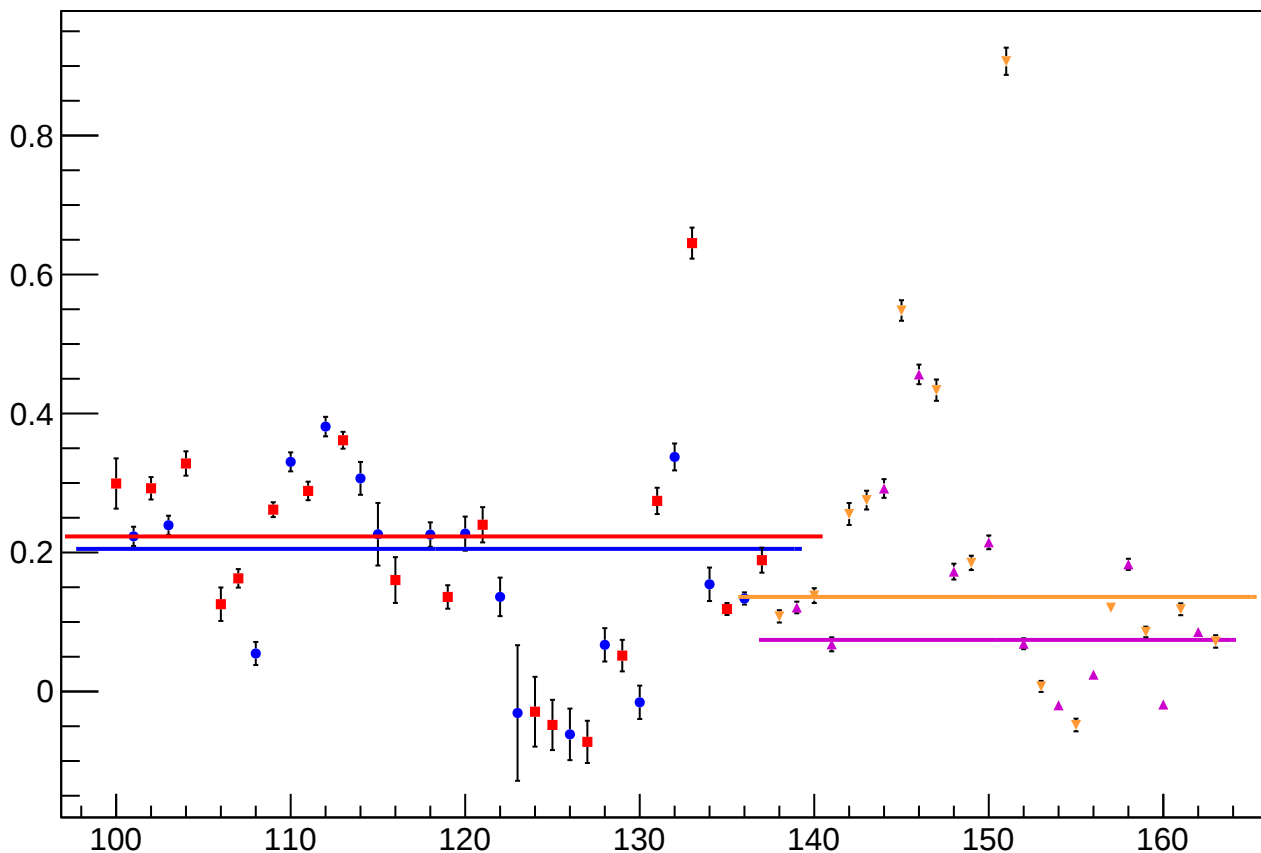
Right: -1.700 ± 0.050 $\chi^2/\text{NDF}: 2678.8/35$

In: -2.217 ± 0.041 $\chi^2/\text{NDF}: 2958.2/28$

Out: -2.544 ± 0.044 $\chi^2/\text{NDF}: 4371.9/32$

All: -2.370 ± 0.030 $\chi^2/\text{NDF}: 7359.4/61$

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 $\pm$ 0.004 χ^2 /NDF: 650.7/16

Left Out: 0.136 $\pm$ 0.003 χ^2 /NDF:3673.0/13

Right Out: 0.223 $\pm$ 0.004 χ^2 /NDF: 1040.5/18

Left In: 0.074 $\pm$ 0.002 χ^2 /NDF:2134.2/11

Left: 0.100 $\pm$ 0.002 χ^2 /NDF: 6133.3/25

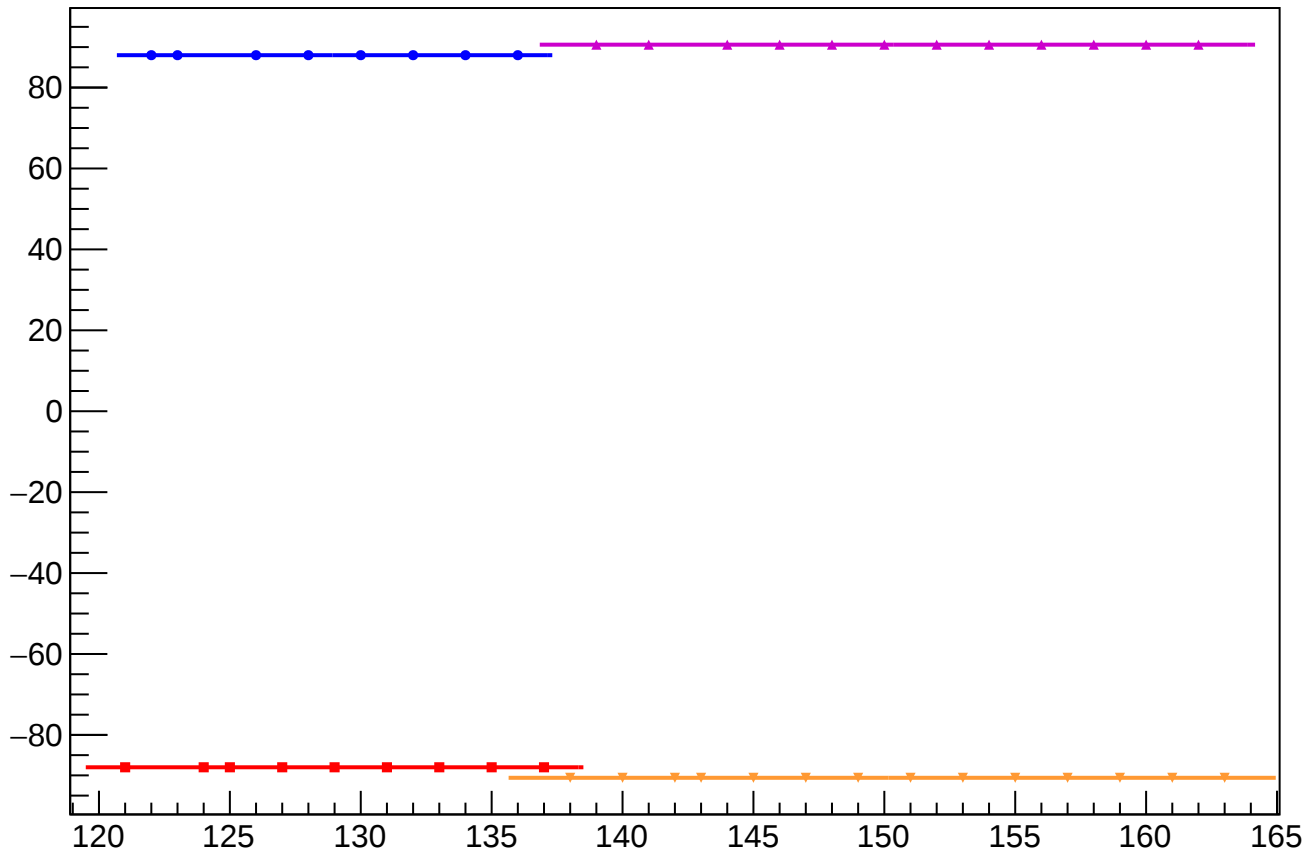
Right: 0.215 $\pm$ 0.003 χ^2 /NDF: 1700.9/35

In: 0.102 $\pm$ 0.002 χ^2 /NDF:3525.6/28

Out: 0.164 $\pm$ 0.002 χ^2 /NDF:5063.6/32

All: 0.130 $\pm$ 0.001 χ^2 /NDF: 9040.1/61

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 : 3777444.7/13

Right Out: -88.001+/-0.000 χ^2/NDF : 109456.0/8

Left In: 90.599+/-0.000 χ^2/NDF : 953398.4/11

Left: -3.804+/-0.000 χ^2/NDF : 17174128917722334

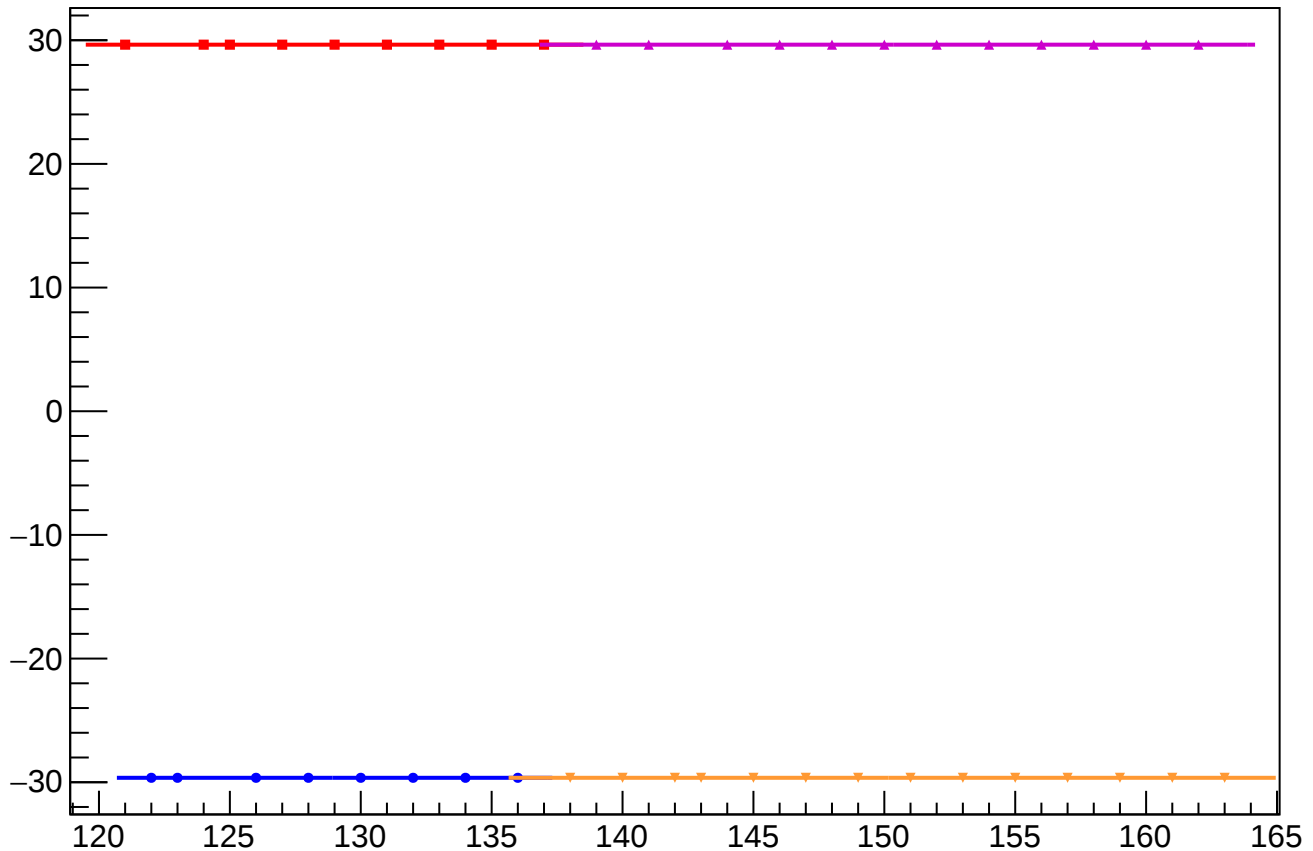
Right: 3.062+/-0.000 χ^2/NDF : 51126681569224617

In: 89.939+/-0.000 χ^2/NDF : 172262814303360863

Out: -90.012+/-0.000 χ^2/NDF : 1667105509653727

All: -2.158+/-0.000 χ^2/NDF : 2231048588212

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 : 179948.6/13

Right Out: 29.641+/-0.000 χ^2/NDF : 29358.2/8

Left In: 29.641+/-0.000 χ^2/NDF : 48972.5/11

Left: -1.244+/-0.000 χ^2/NDF : 18382393874494729

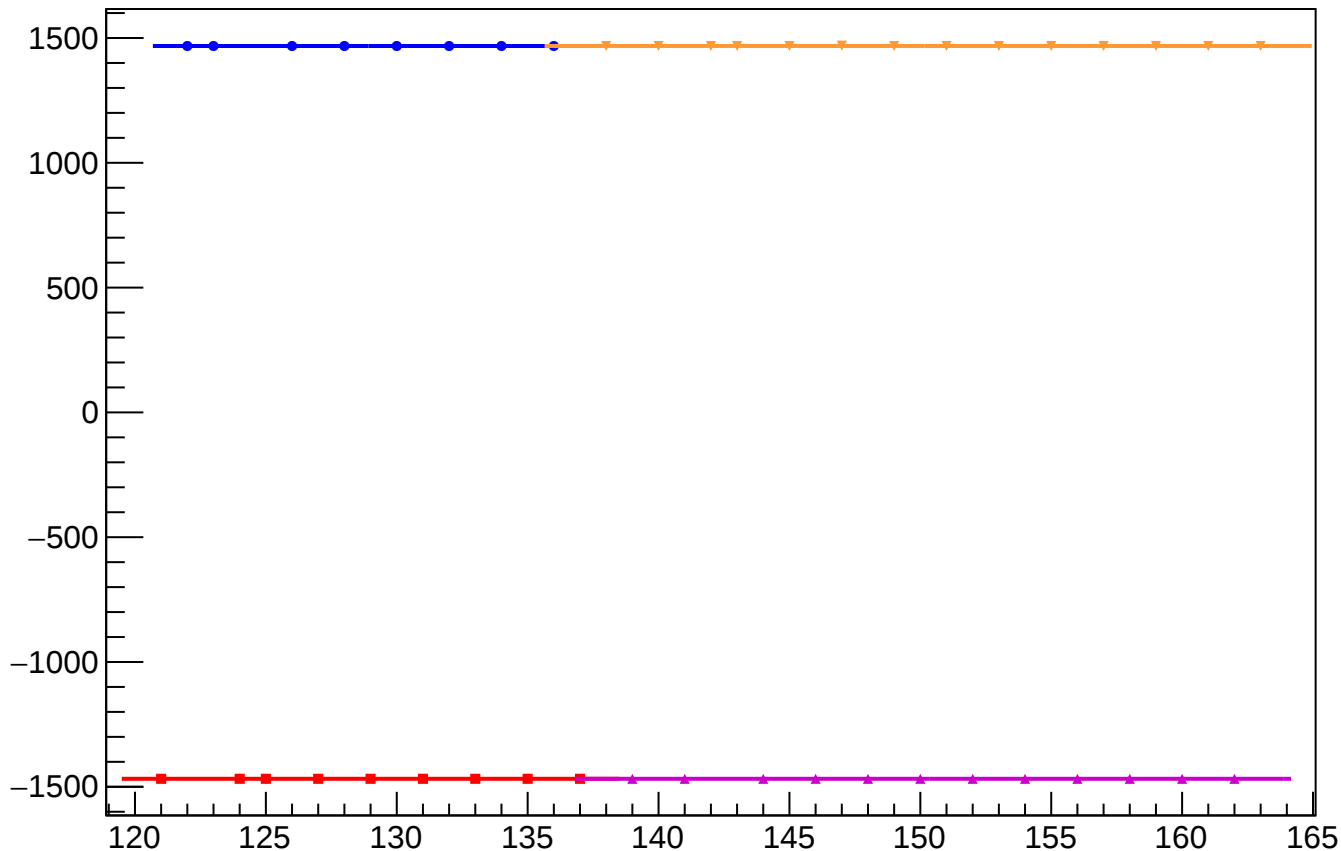
Right: -1.031+/-0.000 χ^2/NDF : 5800324943766944

In: 14.578+/-0.000 χ^2/NDF : 896503012986641657

Out: -16.238+/-0.000 χ^2/NDF : 8676075091512179

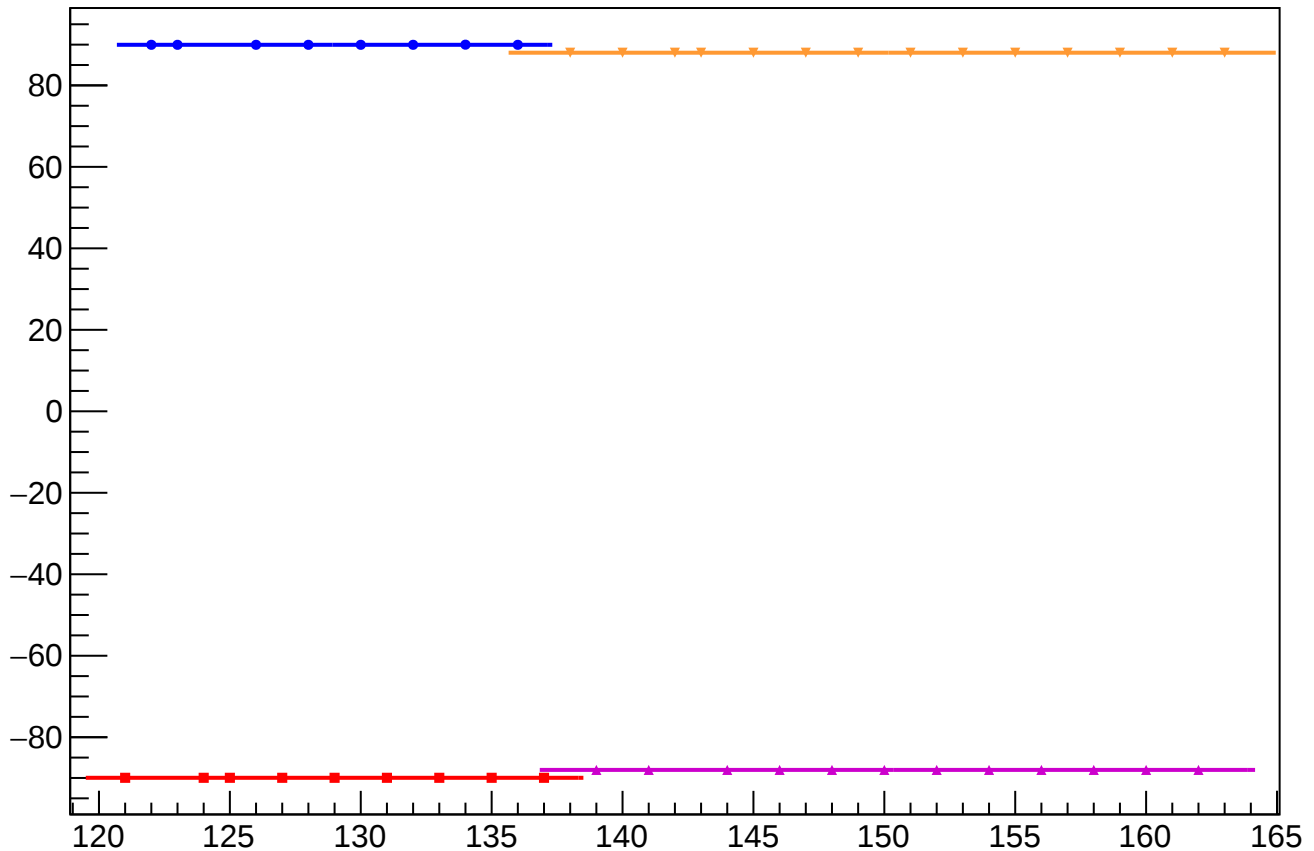
All: -1.193+/-0.000 χ^2/NDF : 2418294699227

psub_pl_pos_mean vs Slug, Sign Corrected



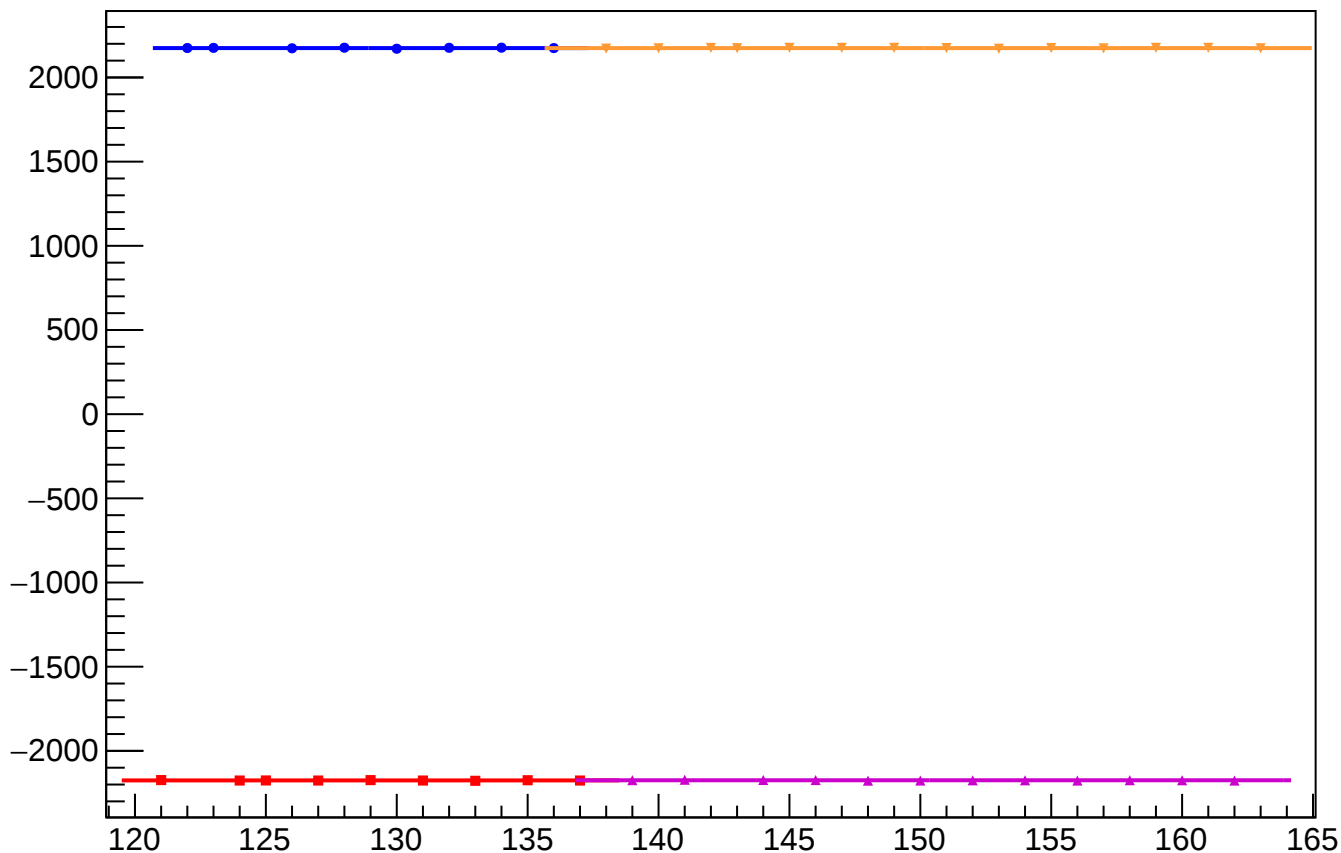
Right In: 1467.979+/-0.000 χ^2/NDF : 436234375.5/7
 Left Out: 1468.084+/-0.000 χ^2/NDF : 124556797583811109412065375158272.0/13
 Right Out: -1467.979+/-0.000 χ^2/NDF : 83183350.3/8
 Left In: -1467.989+/-0.000 χ^2/NDF : 100393625470610309764849074176.0/11
 Left: 61.683+/-0.000 χ^2/NDF : 45091941370760565
 Right: 51.079+/-0.000 χ^2/NDF : 1422706063207371
 In: -722.000+/-0.000 χ^2/NDF : 2198961099611791
 Out: 804.297+/-0.000 χ^2/NDF : 2128223562279553
 All: 59.141+/-0.000 χ^2/NDF : 5931956697935

Phi_FG_mean vs Slug, Sign Corrected



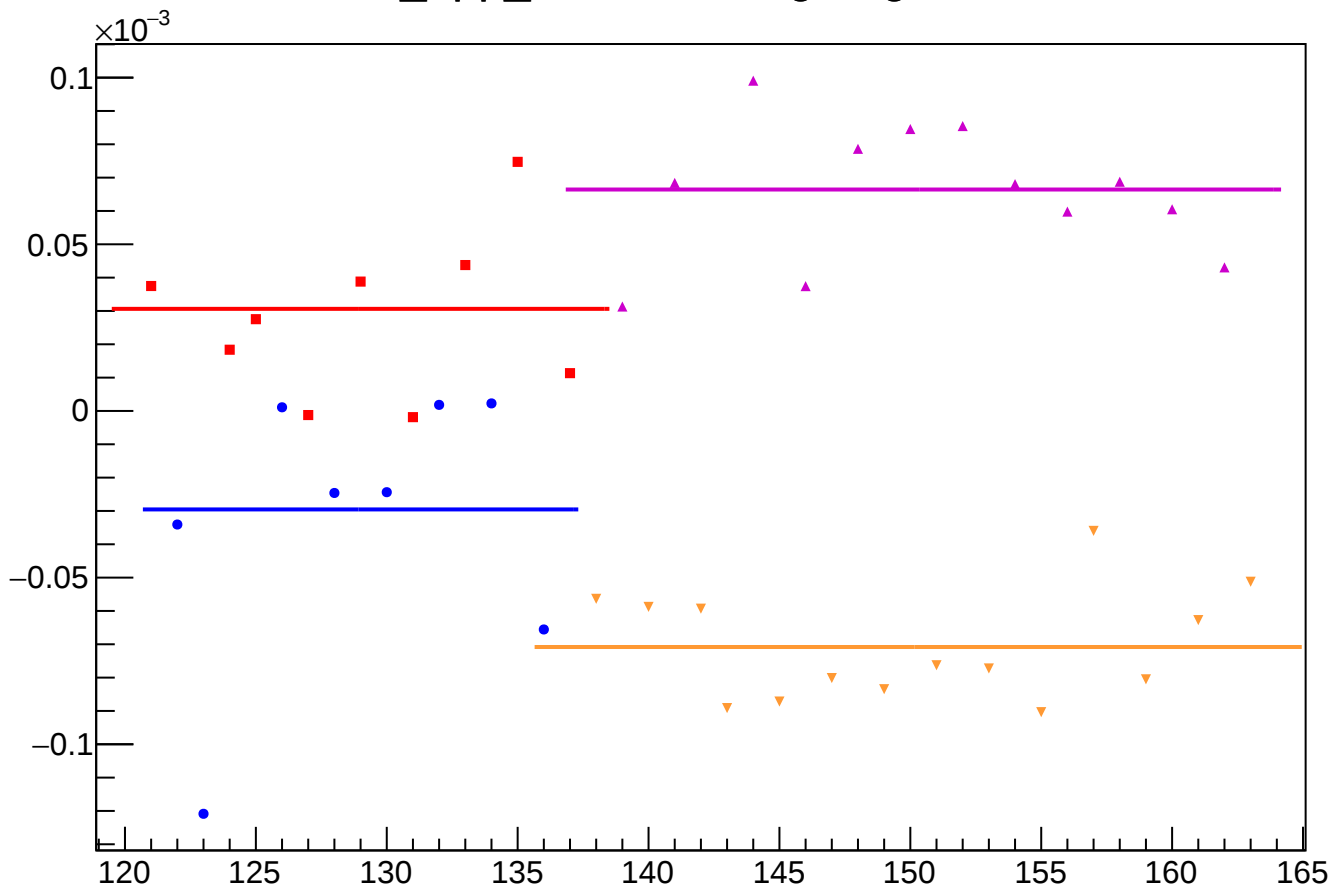
Right In: 89.961+/-0.000	χ^2/NDF : 21528640598708602874349223936.0/7	Left: 3.696+/-0.000	χ^2/NDF : 162104373145506916
Left Out: 88.021+/-0.000	χ^2/NDF : 3292970.5/13	Right: 3.131+/-0.000	χ^2/NDF : 53429021948733419
Right Out: -89.959+/-0.000	χ^2/NDF : 331397.3/8	In: -42.798+/-0.000	χ^2/NDF : 80810365043275296
Left In: -88.021+/-0.000	χ^2/NDF : 936636.6/11	Out: 47.783+/-0.000	χ^2/NDF : 78203954171362000
		All: 3.560+/-0.000	χ^2/NDF : 21553499514930

HALLA_p_mean vs Slug, Sign Corrected



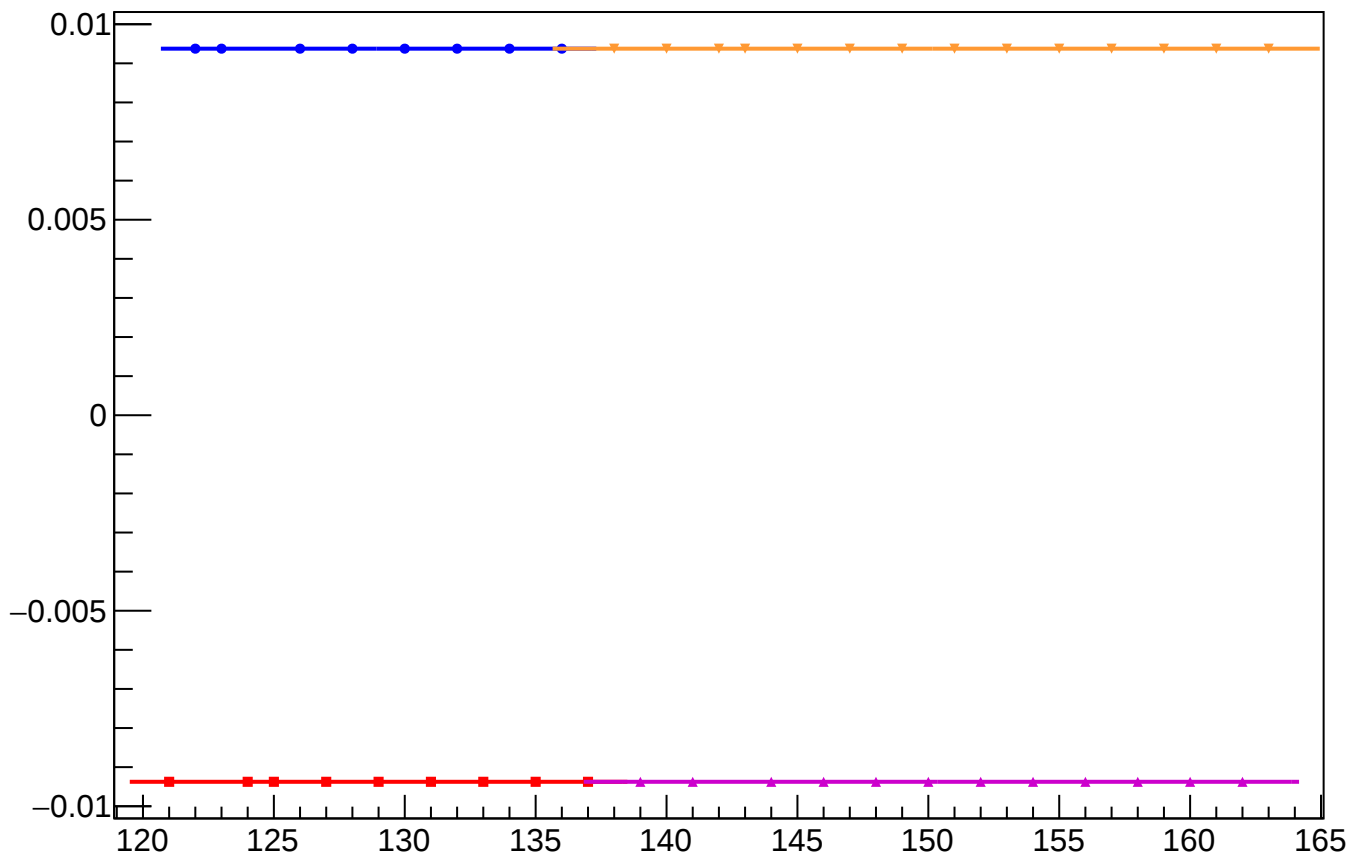
Right In: 2174.572 $\pm$ 0.000 χ^2 /NDF: 1360264074026849381407550448074752.0/7
 Left Out: 2174.393 $\pm$ 0.000 χ^2 /NDF: 3493754556495061994293722597031936.0/13
 Right Out: -2175.442 $\pm$ 0.000 χ^2 /NDF: 610778445075790556034346524868608.0/8
 Left In: -2174.604 $\pm$ 0.000 χ^2 /NDF: 2398698528105242975622588859940864.0/11
 All: 87.368 $\pm$ 0.000 χ^2 /NDF: 1301666425203

HALLA_dpp_mean vs Slug, Sign Corrected



Right In: -0.000 ± 0.000 $\chi^2/\text{NDF}: 250161267307815387529216.0/7$
 Left Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 276800137098451199459328.0/13$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 196732771178766734983168.0/8$
 Left In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 377703283219952914399232.0/11$
 All: -0.000 ± 0.000 $\chi^2/\text{NDF}: 1156343692149$

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 : 0.0/13

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

Left In: -0.009+/-0.000 χ^2/NDF : 0.0/11

Left: 0.000+/-0.000 χ^2/NDF : 183894024332060538

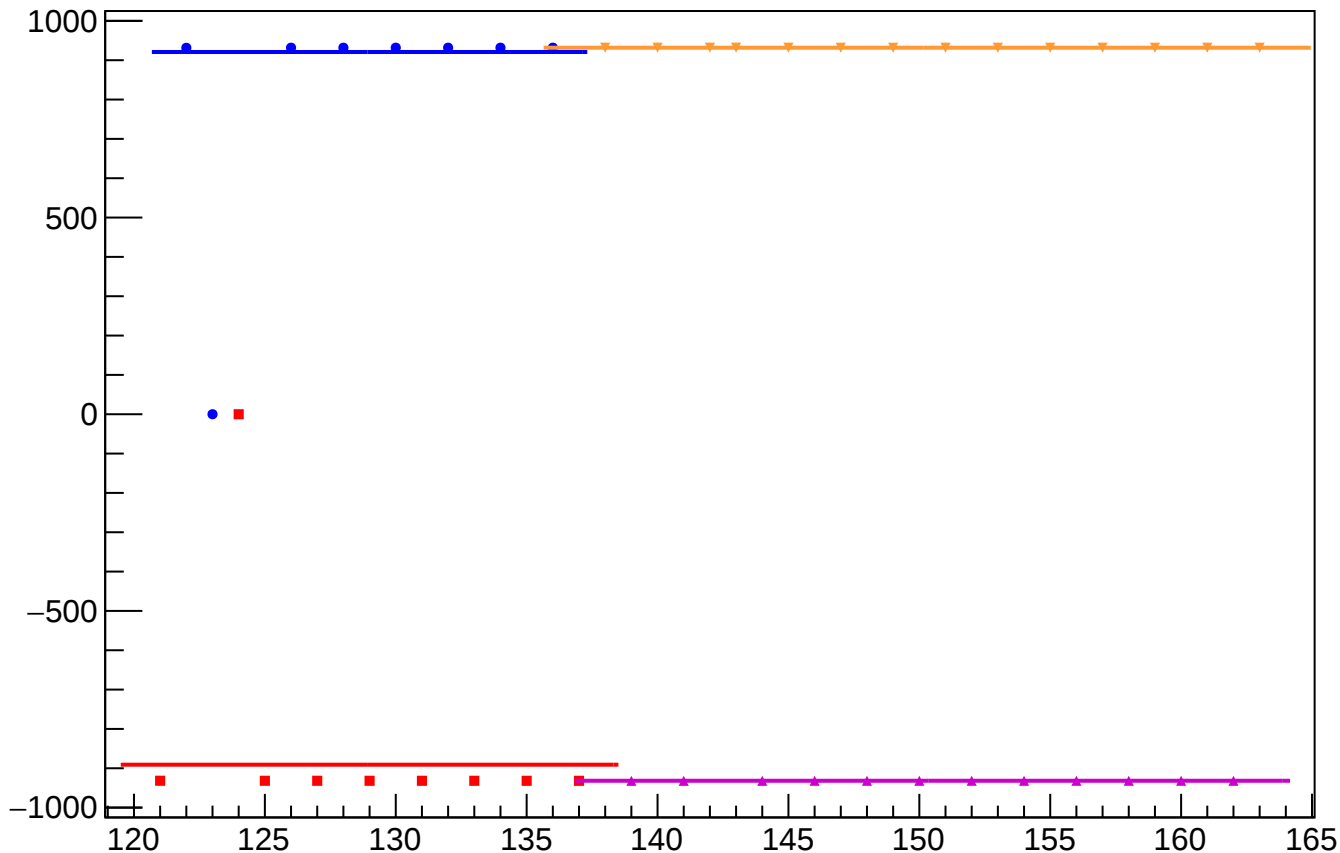
Right: 0.000+/-0.000 χ^2/NDF : 58025364031769994

In: -0.005+/-0.000 χ^2/NDF : 896844817979195455

Out: 0.005+/-0.000 χ^2/NDF : 867938297306872842

All: 0.000+/-0.000 χ^2/NDF : 24192167097388

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 920.898+/-0.000

χ^2/NDF : 3432128841951899861299566212080992256.0/7

Left Out: 931.785+/-0.000

χ^2/NDF : 3824097196132259392435592888320.0/13

Right Out: -890.923+/-0.000

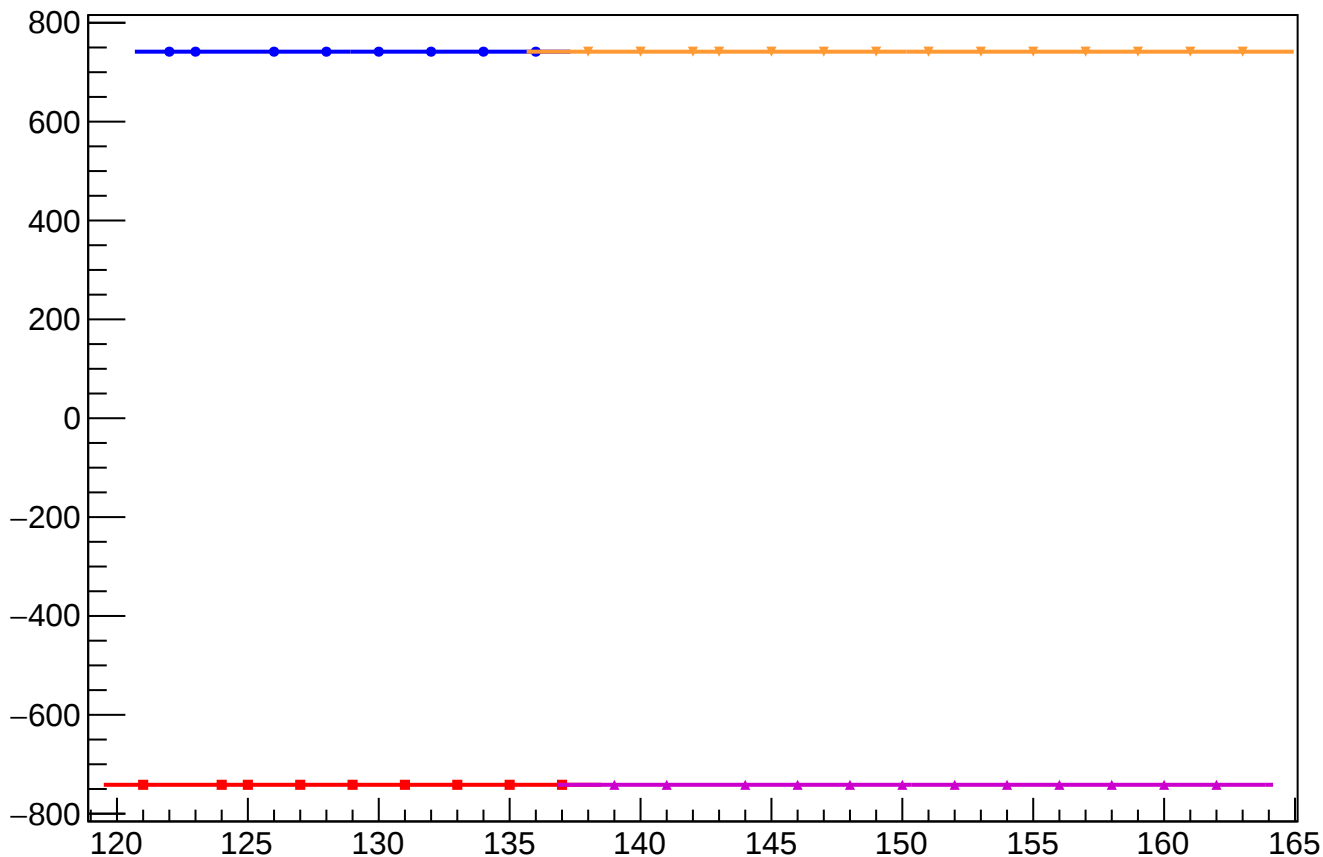
χ^2/NDF : 11621671430114409722932854398744788992.0/8

Left In: -931.771+/-0.000

χ^2/NDF : 3338864270585058965284953522176.0/11

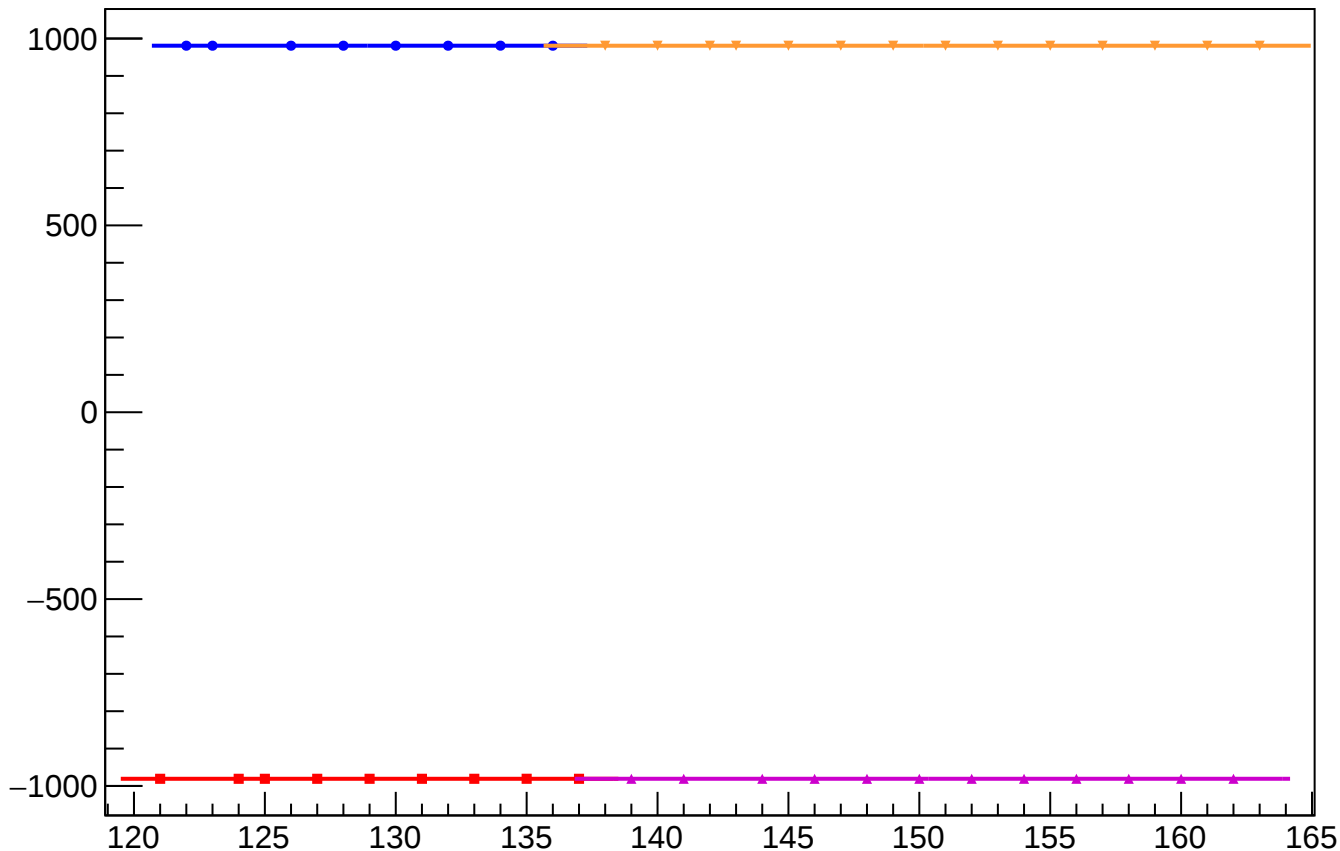
All: 40.897+/-0.000 χ^2/NDF : 2373450341210

HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



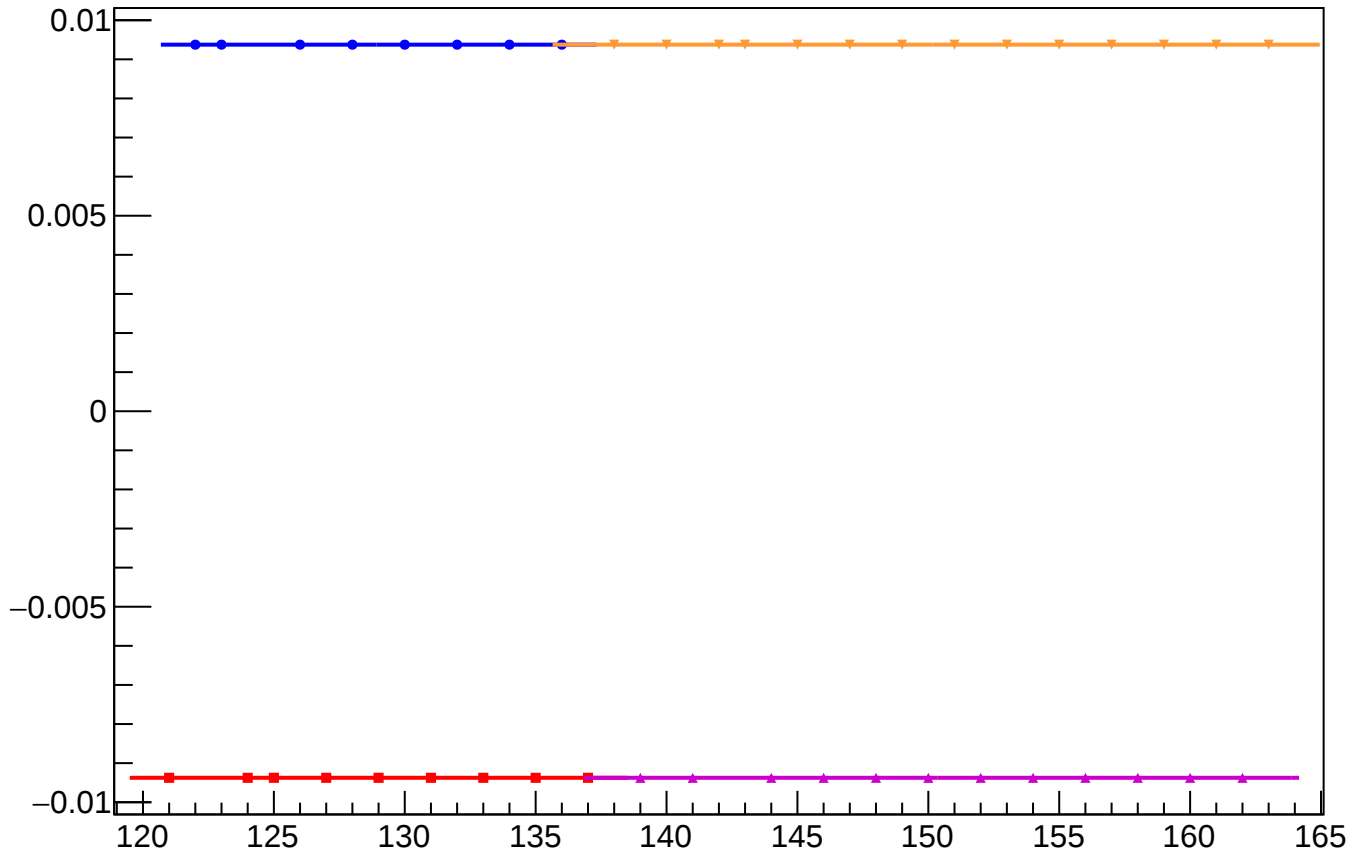
Right In: 741.528+/-0.000	χ^2/NDF : 18896144326732419810052800512.0/7	Left: 31.132+/-0.000	χ^2/NDF : 11504488628740704
Left Out: 741.517+/-0.000	χ^2/NDF : 119003742152676901932423446528.0/13	Right: 25.802+/-0.000	χ^2/NDF : 3630199450079866
Right Out: -741.529+/-0.000	χ^2/NDF : 16580353917842624420385914880.0/8	In: -364.696+/-0.000	χ^2/NDF : 5610780273973582
Left In: -741.517+/-0.000	χ^2/NDF : 99613487819020458908064940032.0/11	Out: 406.229+/-0.000	χ^2/NDF : 5429942224518265
	All: 29.854+/-0.000		χ^2/NDF : 1513483087755

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.825+/-0.000	χ^2/NDF : 159345321268745350954763681792.0/7	Left: 41.172+/-0.000	χ^2/NDF : 20126403019872200
Left Out: 980.772+/-0.000	χ^2/NDF : 571426813038232490263791534080.0/13	Right: 34.132+/-0.000	χ^2/NDF : 6351195317188543
Right Out: -980.818+/-0.000	χ^2/NDF : 143689912167528137563261894656.0/8	In: -482.366+/-0.000	χ^2/NDF : 9816110752331933
Left In: -980.783+/-0.000	χ^2/NDF : 1126780082223529243552134463488.0/11	Out: 537.294+/-0.000	χ^2/NDF : 9499545971838204
		All: 39.484+/-0.000	χ^2/NDF : 2647784739858

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/13

Right Out: -0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left In: -0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/11

Left: 0.000 $\pm$ 0.000 χ^2 /NDF: 18389402433206053

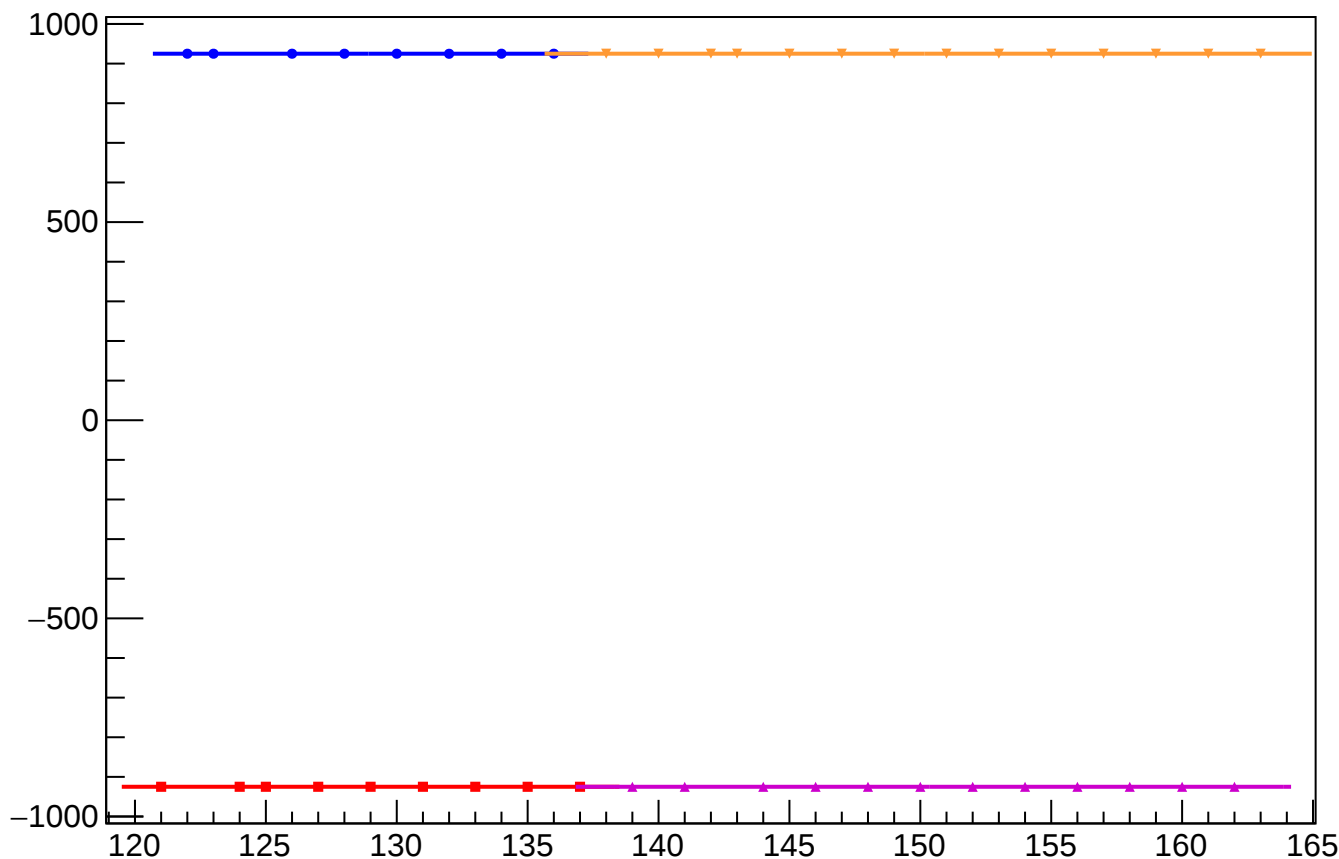
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 58025364031769994

In: -0.005 $\pm$ 0.000 χ^2 /NDF: 896844817979195455

Out: 0.005 $\pm$ 0.000 χ^2 /NDF: 867938297306872842

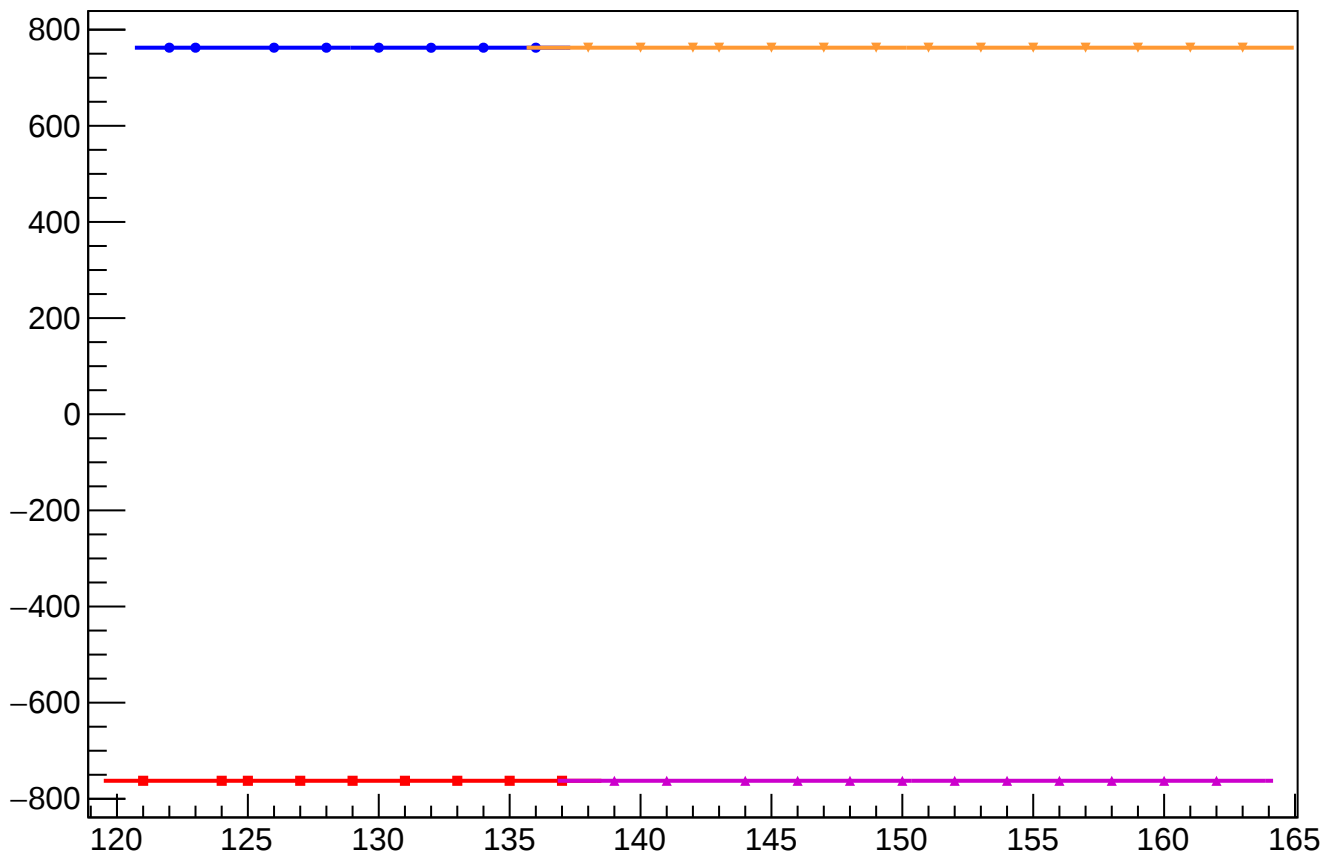
All: 0.000 $\pm$ 0.000 χ^2 /NDF: 2419216709738

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



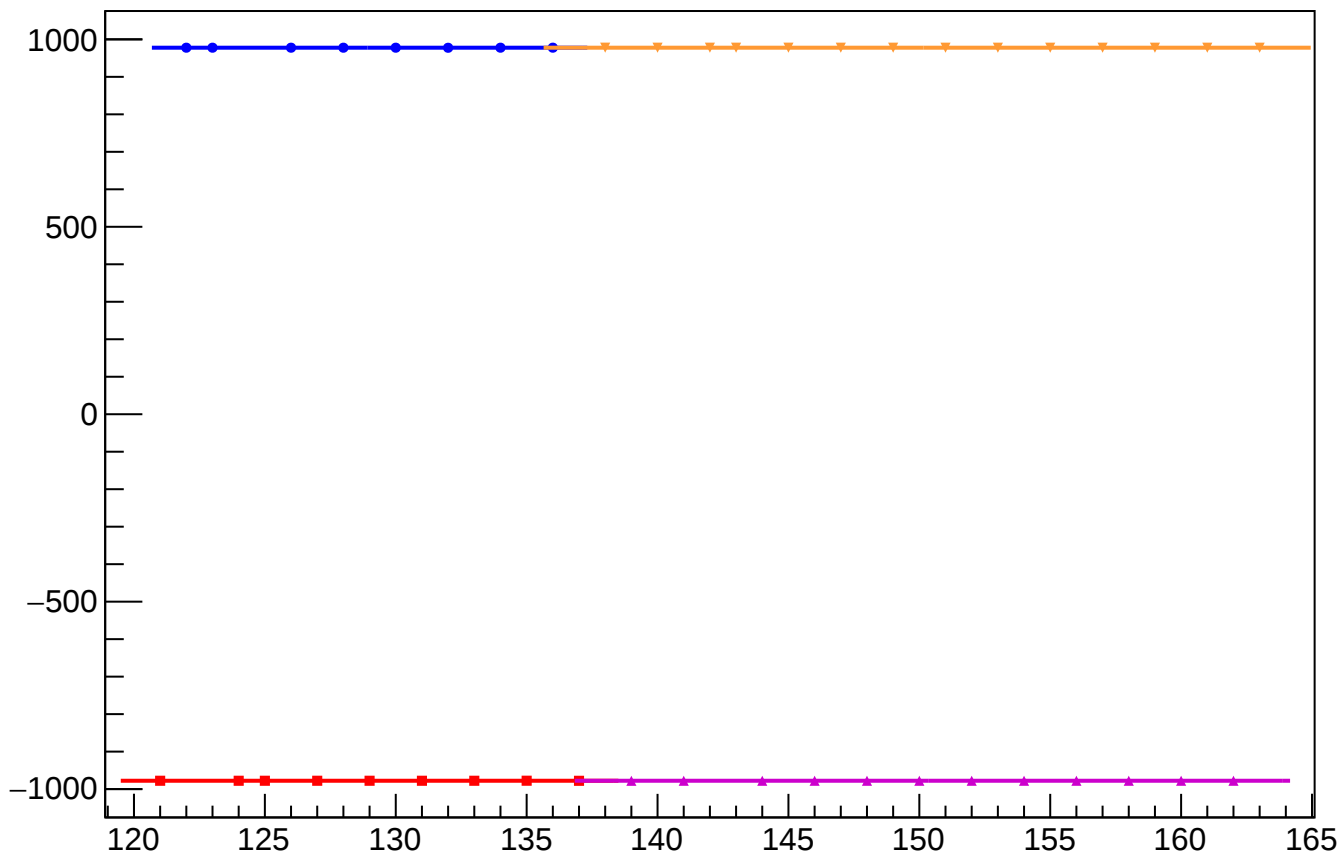
Right In: 924.939+/-0.000 χ^2/NDF : 1401458495809517406218388242432.0/7
 Left Out: 924.989+/-0.000 χ^2/NDF : 700023076741883835114319773696.0/13
 Right Out: -924.957+/-0.000 χ^2/NDF : 71808709366506786060310151168.0/8
 Left In: -924.991+/-0.000 χ^2/NDF : 533277214537863356113175445504.0/11
 All: 37.238+/-0.000 χ^2/NDF : 2355032638420

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



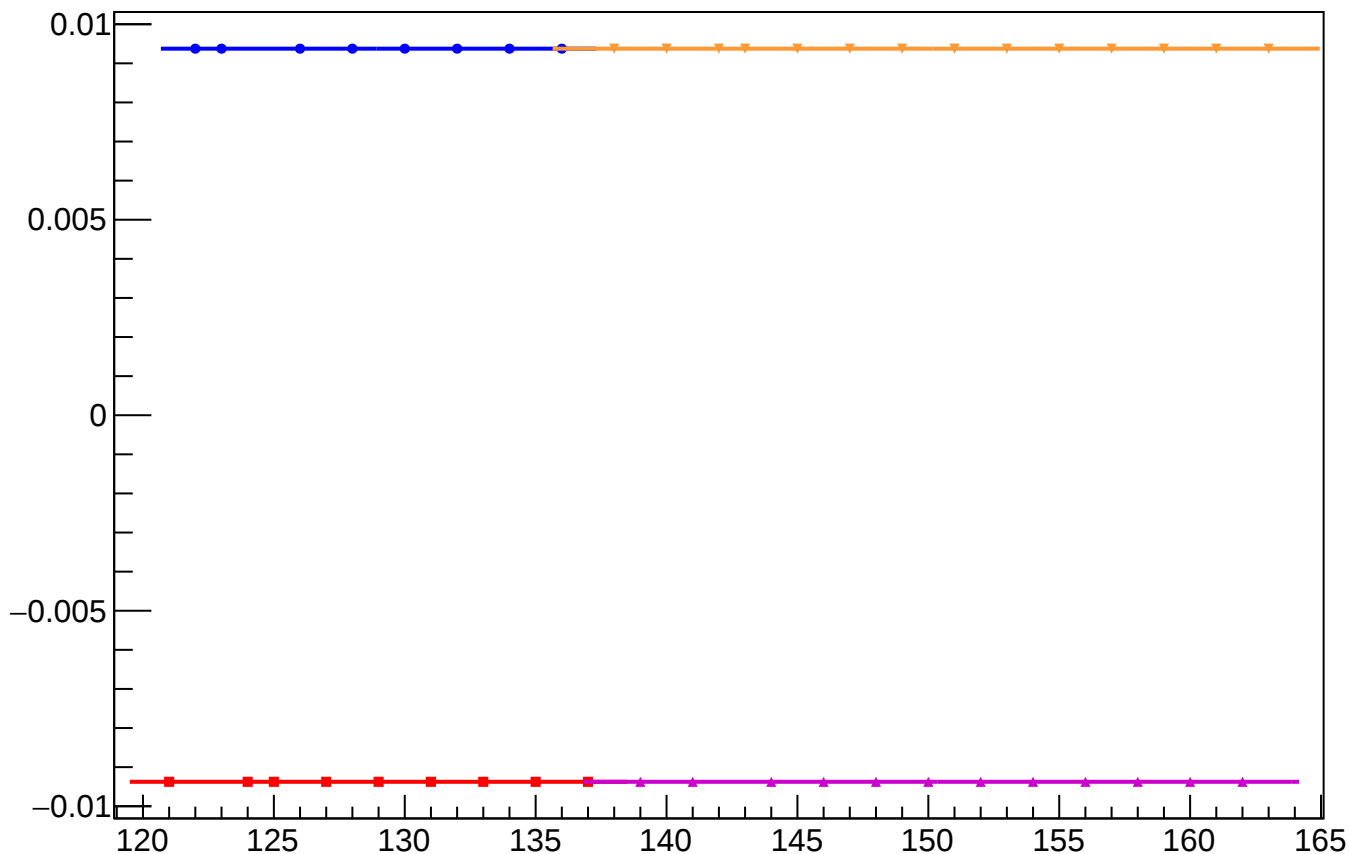
Right In: 762.484+/-0.000 χ^2/NDF : 784430761251084401798891438080.0/7
 Left Out: 762.505+/-0.000 χ^2/NDF : 237144156026255736646427213824.0/13
 Right Out: -762.501+/-0.000 χ^2/NDF : 469794702848036819563446272.0/8
 Left In: -762.505+/-0.000 χ^2/NDF : 150340541031951497354551492608.0/11
 All: 30.697+/-0.000 χ^2/NDF : 1600346096452

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.741+/-0.000	χ^2/NDF : 1738104571804792841781326643200.0/7	Left: 41.052+/-0.000	χ^2/NDF : 20002033133841584
Left Out: 977.744+/-0.000	χ^2/NDF : 975425008830335686262021685248.0/13	Right: 34.023+/-0.000	χ^2/NDF : 6311333196839596
Right Out: -977.737+/-0.000	χ^2/NDF : 772313054358211830610902646784.0/8	In: -480.880+/-0.000	χ^2/NDF : 9754886768658962
Left In: -977.741+/-0.000	χ^2/NDF : 847339564749317209383734607872.0/11	Out: 535.648+/-0.000	χ^2/NDF : 9440471433094587
	All: 39.367+/-0.000		χ^2/NDF : 2631361460995

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 : 0.0/13

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

Left In: -0.009+/-0.000 χ^2/NDF : 0.0/11

Left: 0.000+/-0.000 χ^2/NDF : 18389402433206053

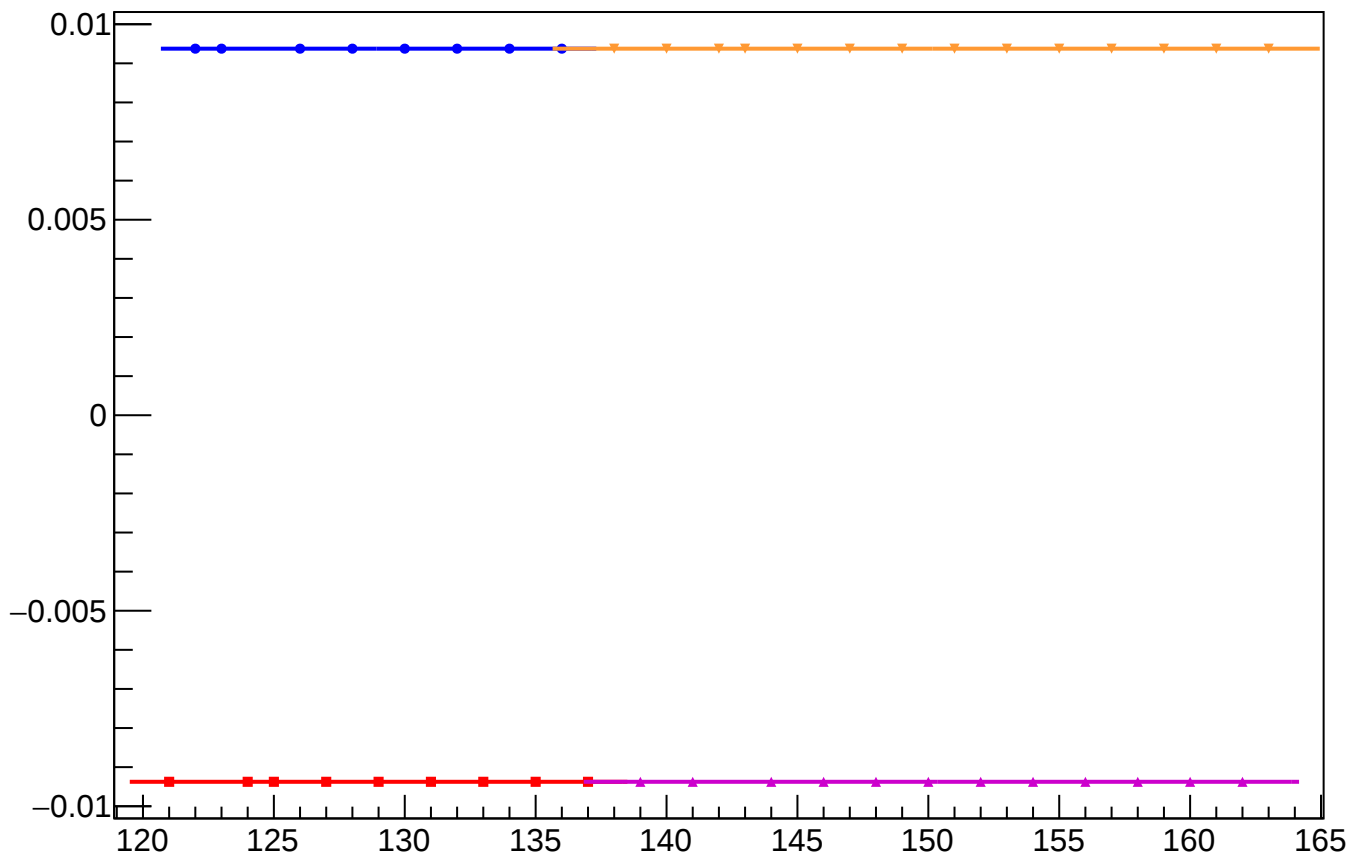
Right: 0.000+/-0.000 χ^2/NDF : 58025364031769994

In: -0.005+/-0.000 χ^2/NDF : 896844817979195455

Out: 0.005+/-0.000 χ^2/NDF : 867938297306872842

All: 0.000+/-0.000 χ^2/NDF : 2419216709738

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 : 0.0/13

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

Left In: -0.009+/-0.000 χ^2/NDF : 0.0/11

Left: 0.000+/-0.000 χ^2/NDF : 183894024332060538

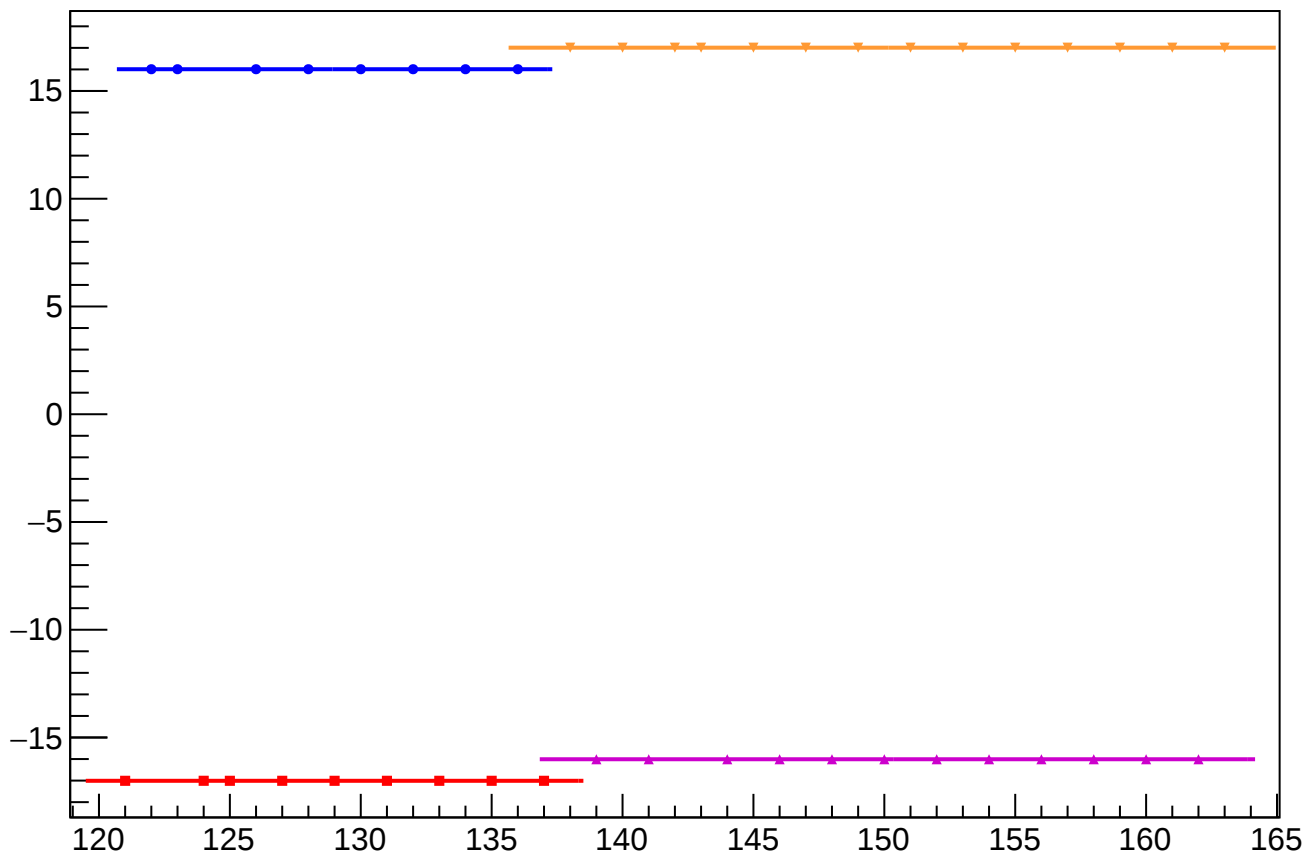
Right: 0.000+/-0.000 χ^2/NDF : 58025364031769994

In: -0.005+/-0.000 χ^2/NDF : 896844817979195455

Out: 0.005+/-0.000 χ^2/NDF : 867938297306872842

All: 0.000+/-0.000 χ^2/NDF : 24192167097388

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 : 13483818070691772654157824.0/13

Right Out: -17.009+/-0.000 χ^2/NDF : 8333578329558812540796928.0/8

Left In: -16.009+/-0.000 χ^2/NDF : 39821.7/11

Left: 0.954+/-0.000 χ^2/NDF : 52427512760369745

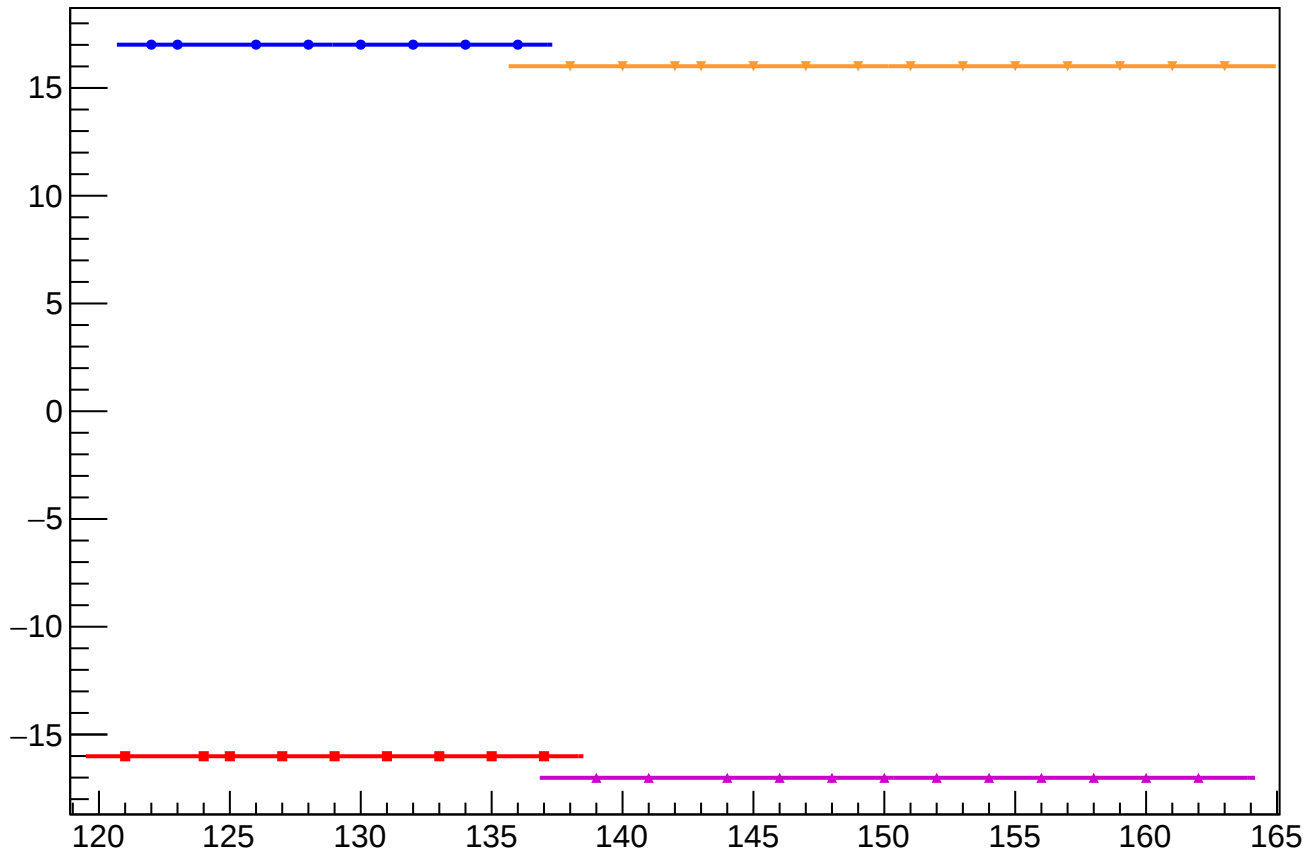
Right: -0.126+/-0.000 χ^2/NDF : 1683539334964133

In: -7.928+/-0.000 χ^2/NDF : 242196213405551473

Out: 9.051+/-0.000 χ^2/NDF : 267736112515710852

All: 0.692+/-0.000 χ^2/NDF : 69317513604443

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009 $\pm$ 0.000 χ^2/NDF : 76109.3/7

Left Out: 16.009 $\pm$ 0.000 χ^2/NDF : 53983.3/13

Right Out: -16.009 $\pm$ 0.000 χ^2/NDF : 17859.8/8

Left In: -17.009 $\pm$ 0.000 χ^2/NDF : 14262.6/11

Left: 0.232 $\pm$ 0.000 χ^2/NDF : 56472220059971109

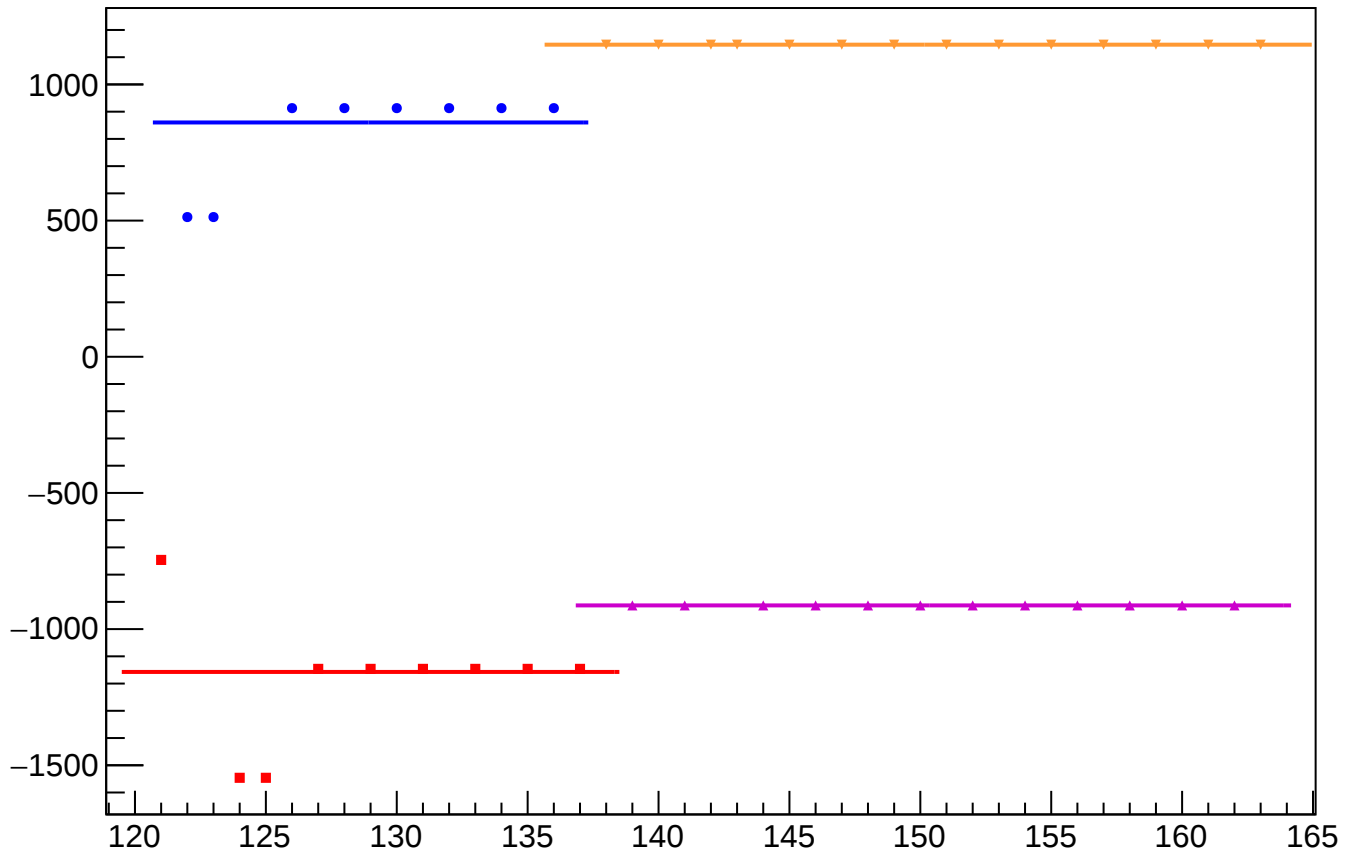
Right: 1.074 $\pm$ 0.000 χ^2/NDF : 17994367493156690

In: -8.288 $\pm$ 0.000 χ^2/NDF : 294319239034857185

Out: 8.729 $\pm$ 0.000 χ^2/NDF : 252680100334217233

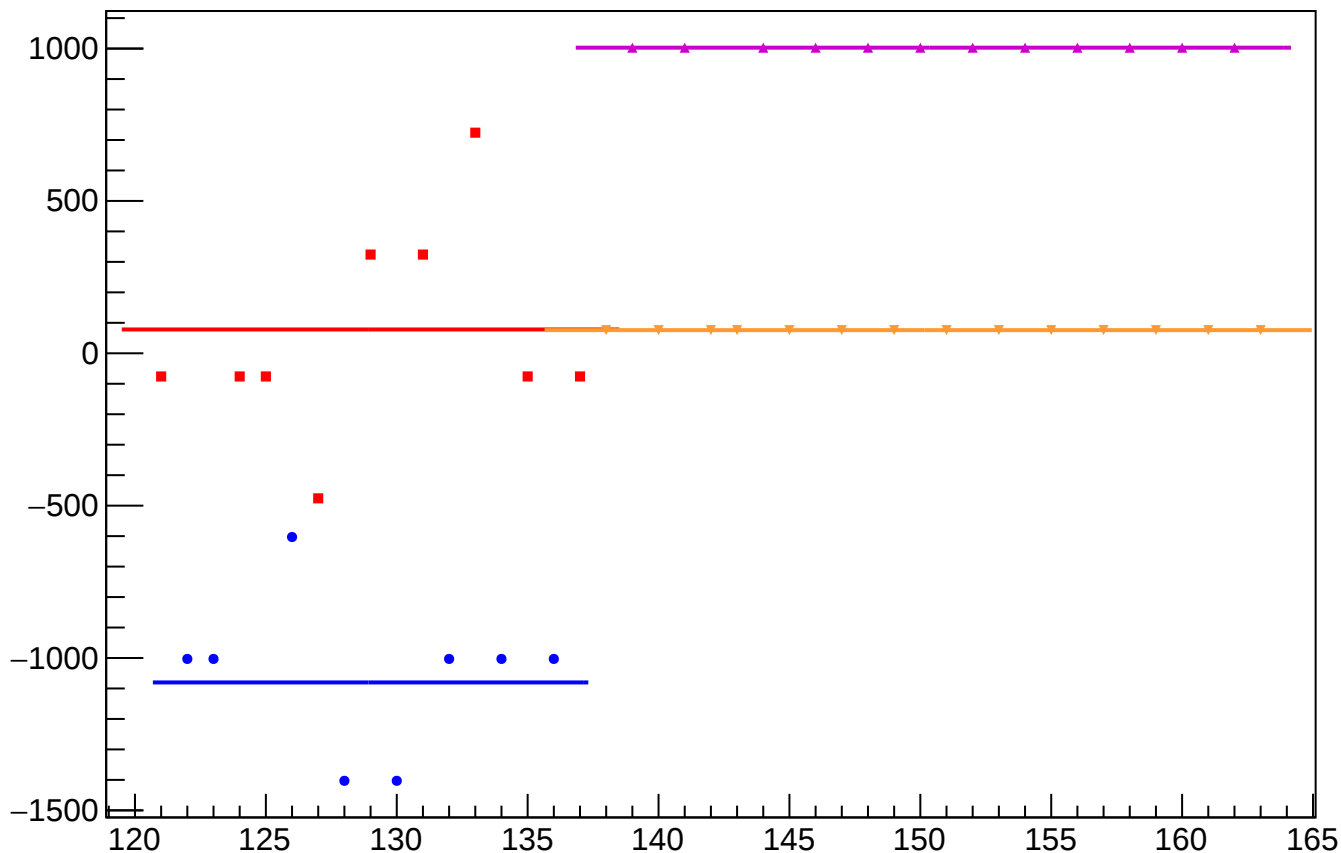
All: 0.435 $\pm$ 0.000 χ^2/NDF : 74502202382763

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Right In: 860.361 ± 0.000 $\chi^2/\text{NDF}: 6252693455178703850651720460594577408.0/7$
 Left Out: 1146.011 ± 0.000 $\chi^2/\text{NDF}: 3914954058934147058554109952.0/13$
 Right Out: -1157.295 ± 0.000 $\chi^2/\text{NDF}: 13880040120623316310083946144856014848.0/8$
 Left In: -912.994 ± 0.000 $\chi^2/\text{NDF}: 13226302837169364721714855936.0/11$
 All: 94.256 ± 0.000 $\chi^2/\text{NDF}: 2947102807627$

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 : 8804602533957945597624320000.0/13

Right Out: 78.224+/-0.000

χ^2/NDF : 39611265375063350144036471826150326272.0/8

Left In: 1002.989+/-0.000

χ^2/NDF : 1313082436713551567964340224.0/11

Left: 520.041+/-0.000 χ^2/NDF : 4494735217364119

Right: -521.133+/-0.000 χ^2/NDF : 28273431193063

In: 473.684+/-0.000 χ^2/NDF : 1128685420702545

Out: 76.512+/-0.000 χ^2/NDF : 39612474387074610

All: 270.416+/-0.000 χ^2/NDF : 127696407618