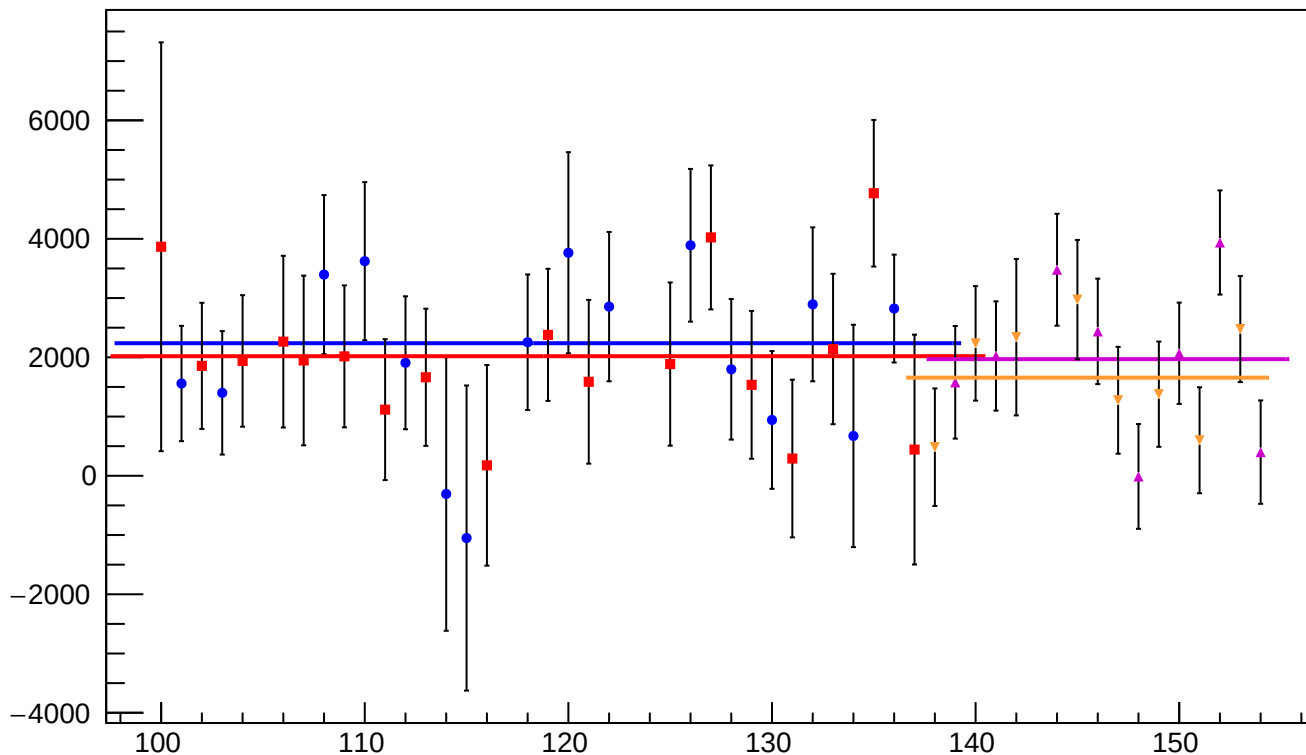


dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2237.929 $\pm$ 314.642

Left Out: 1656.207 $\pm$ 340.241

Right Out: 2018.625 $\pm$ 308.362

Left In: 1969.022 $\pm$ 317.555

χ^2/NDF : 11.3/15

χ^2/NDF : 6.2/7

χ^2/NDF : 12.6/17

χ^2/NDF : 16.3/7

Left: 1823.390 $\pm$ 232.151

Right: 2126.067 $\pm$ 220.232

In: 2104.714 $\pm$ 223.508

Out: 1855.186 $\pm$ 228.486

All: 1982.698 $\pm$ 159.775

χ^2/NDF : 23.0/15

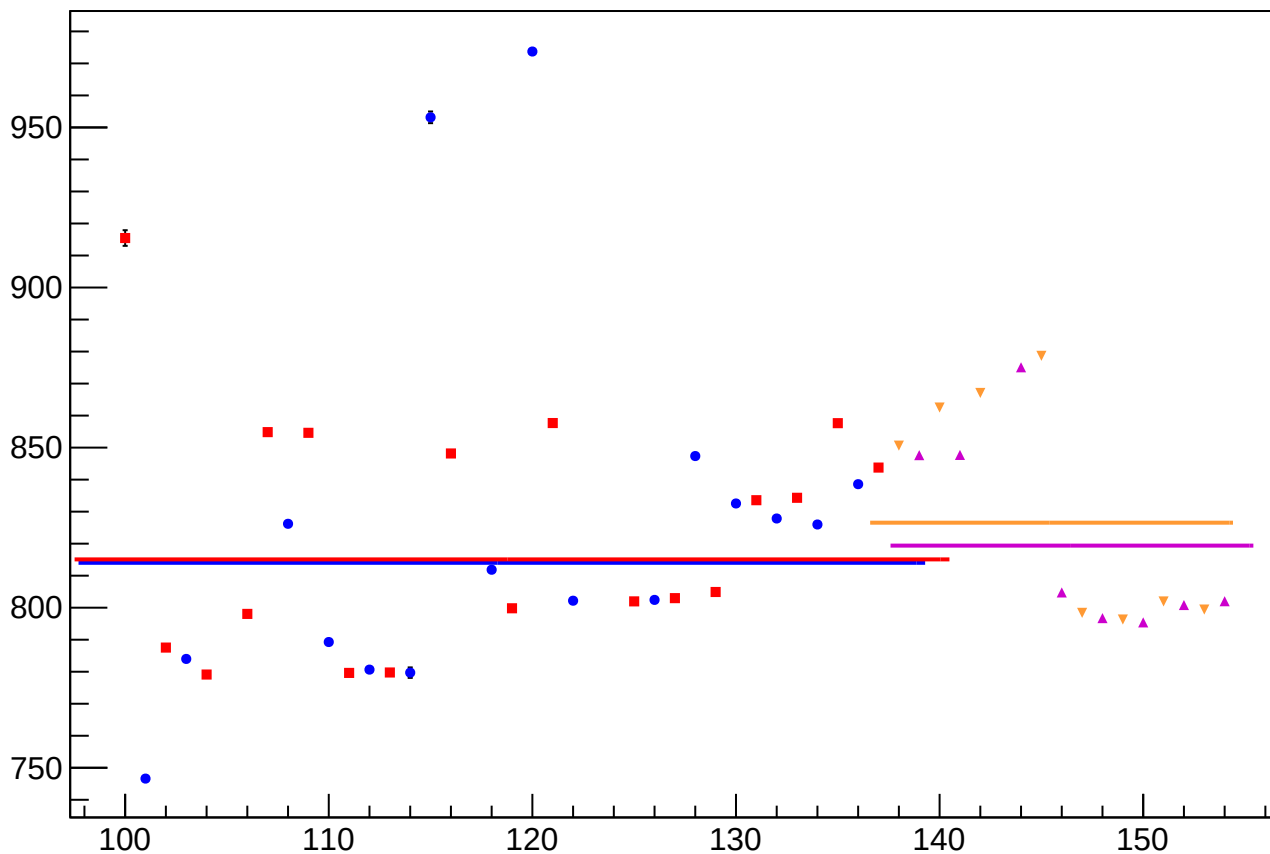
χ^2/NDF : 24.1/33

χ^2/NDF : 28.0/23

χ^2/NDF : 19.4/25

χ^2/NDF : 48.0/49

dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 814.021 $\pm$ 0.222 χ^2/NDF : 42041.6/15

Left Out: 826.551 $\pm$ 0.241 χ^2/NDF :18798.1/7

Right Out: 815.084 $\pm$ 0.218 χ^2/NDF : 19959.3/17

Left In: 819.390 $\pm$ 0.225 χ^2/NDF :15714.5/7

Left: 822.724 $\pm$ 0.164 χ^2/NDF : 34986.1/15

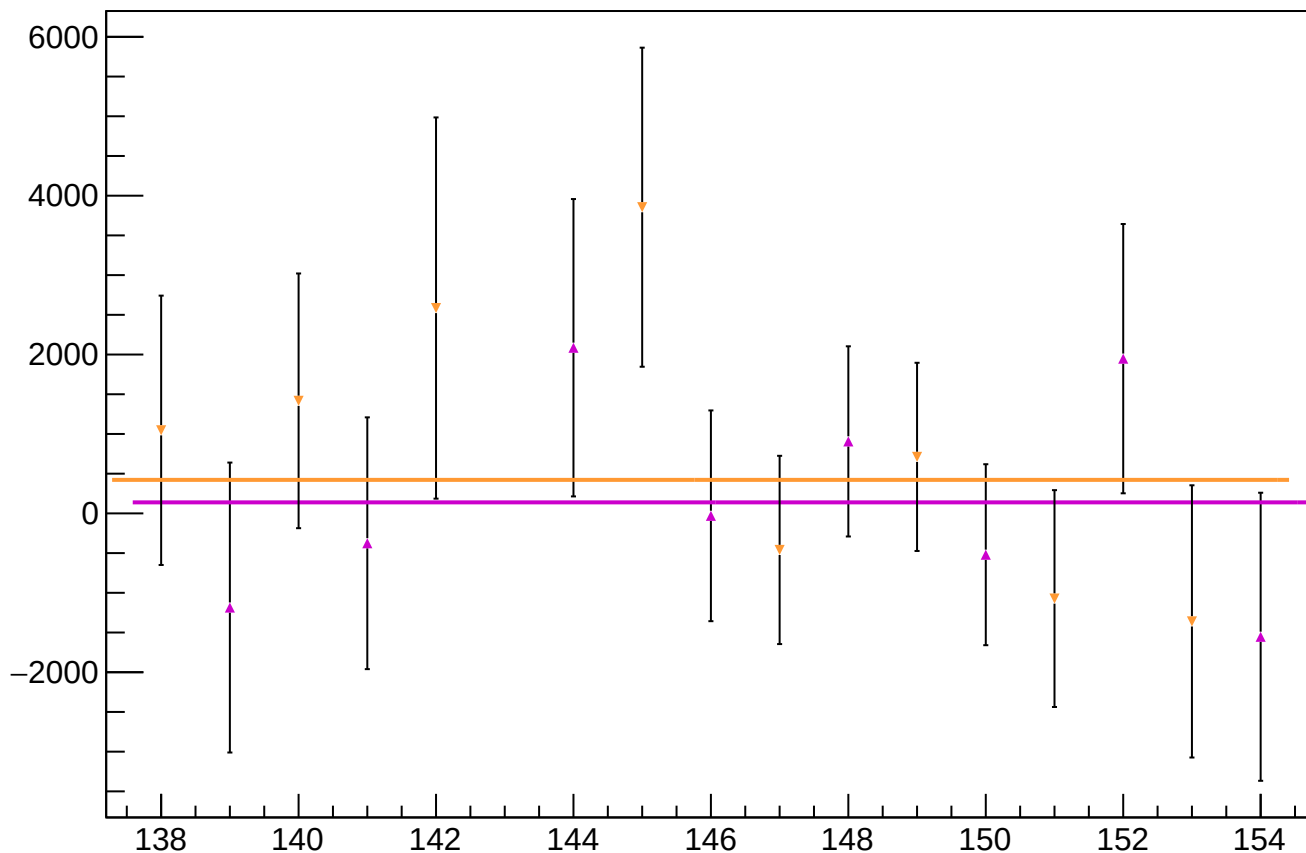
Right: 814.563 $\pm$ 0.156 χ^2/NDF : 62012.6/33

In: 816.681 $\pm$ 0.158 χ^2/NDF :58044.6/23

Out: 820.255 $\pm$ 0.162 χ^2/NDF :40004.5/25

All: 818.429 $\pm$ 0.113 χ^2/NDF : 98299.2/49

asym_us_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 421.970+/-537.630 χ^2/NDF : 7.1/7

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

Left In: 138.696+/-521.872 χ^2/NDF : 4.5/7

Left: 276.120+/-374.466 χ^2/NDF : 11.8/15

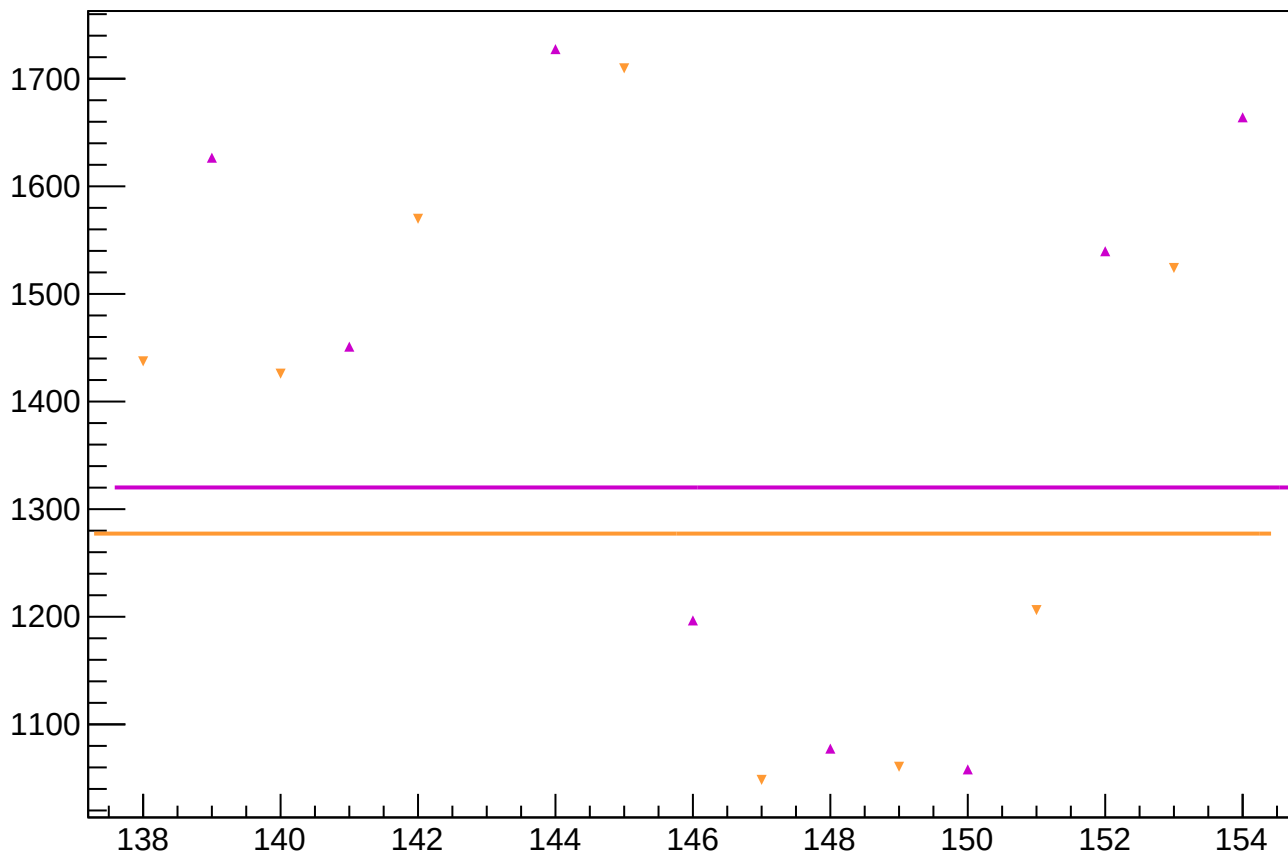
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 138.696+/-521.872 χ^2/NDF : 4.5/7

Out: 421.970+/-537.630 χ^2/NDF : 7.1/7

All: 276.120+/-374.466 χ^2/NDF : 11.8/15

asym_us_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1277.285+/-0.380 χ^2/NDF :345785.1/7

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

Left In: 1320.164+/-0.369 χ^2/NDF :475474.7/7

Left: 1299.362+/-0.265 χ^2/NDF : 827810.1/15

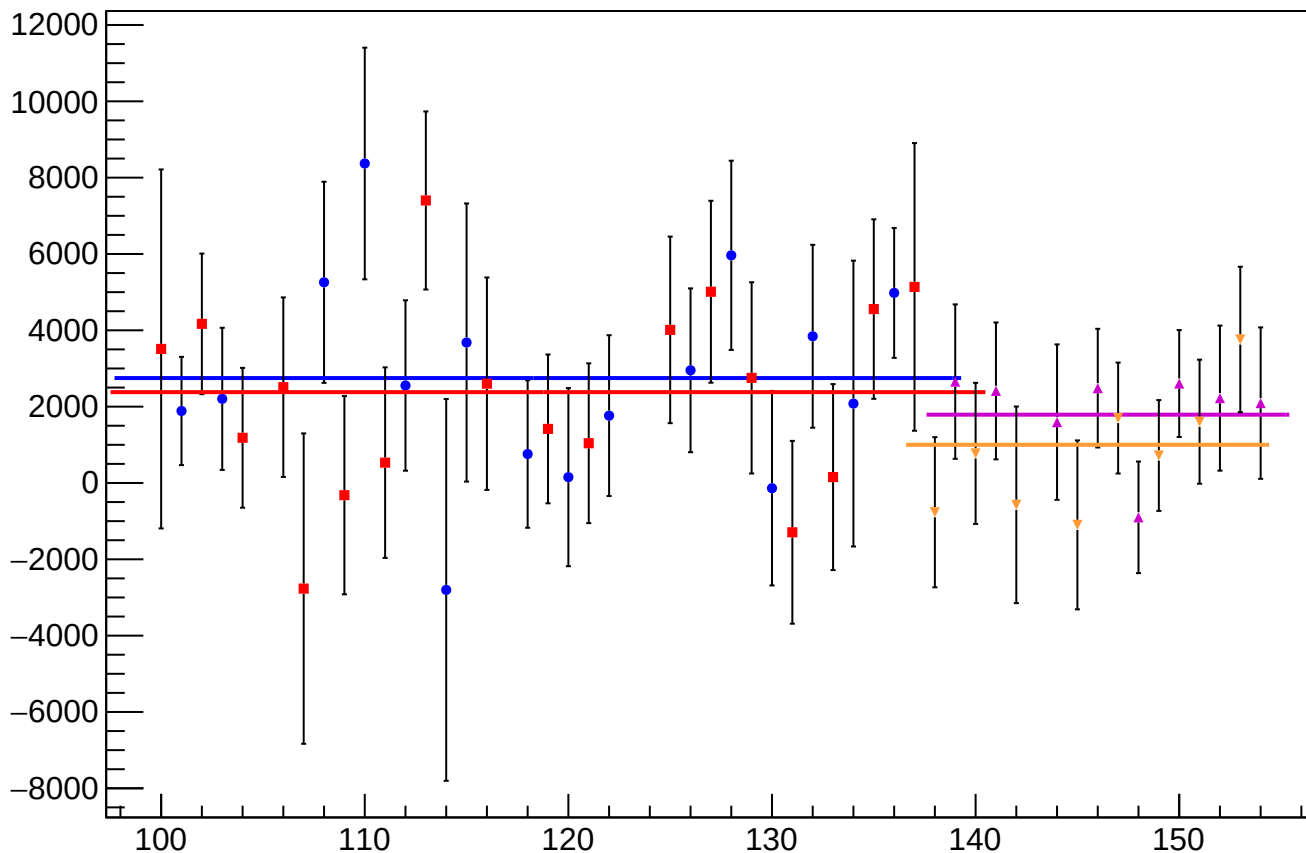
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1320.164+/-0.369 χ^2/NDF :475474.7/7

Out: 1277.285+/-0.380 χ^2/NDF :345785.1/7

All: 1299.362+/-0.265 χ^2/NDF : 827810.1/15

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2748.777 $\pm$ 562.943 χ^2 /NDF: 13.5/15

Left Out: 1000.390 $\pm$ 631.455 χ^2 /NDF: 4.6/7

Right Out: 2379.450 $\pm$ 568.967 χ^2 /NDF: 16.2/17

Left In: 1789.677 $\pm$ 606.426 χ^2 /NDF: 4.3/7

Left: 1410.986 $\pm$ 437.389 χ^2 /NDF: 9.7/15

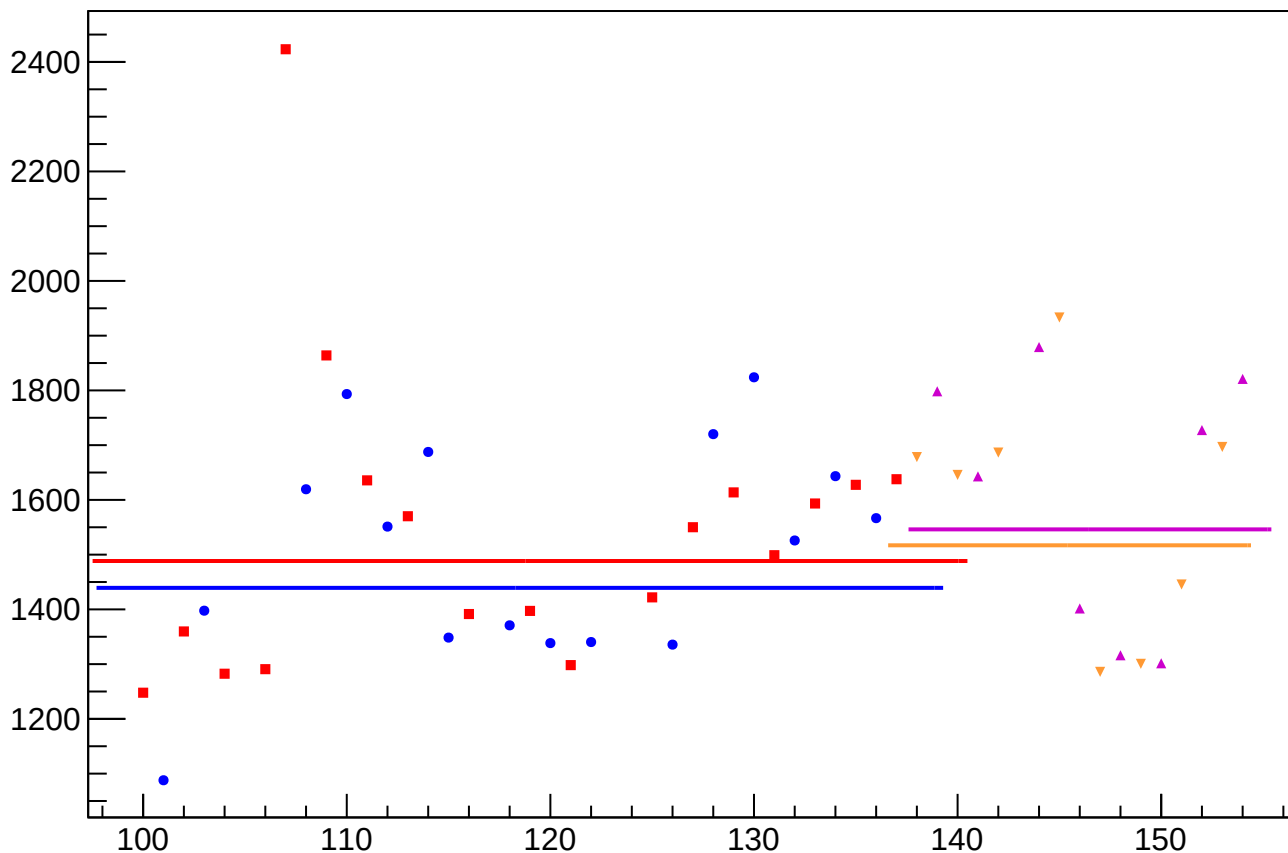
Right: 2566.079 $\pm$ 400.174 χ^2 /NDF: 30.0/33

In: 2304.842 $\pm$ 412.578 χ^2 /NDF: 19.2/23

Out: 1761.513 $\pm$ 422.691 χ^2 /NDF: 23.4/25

All: 2039.755 $\pm$ 295.247 χ^2 /NDF: 43.5/49

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1439.332 $\pm$ 0.398 χ^2/NDF : 277860.8/15

Left Out: 1517.049 $\pm$ 0.447 χ^2/NDF : 219207.7/7

Right Out: 1488.384 $\pm$ 0.402 χ^2/NDF : 256324.7/17

Left In: 1546.138 $\pm$ 0.429 χ^2/NDF : 274816.0/7

Left: 1532.181 $\pm$ 0.309 χ^2/NDF : 496231.7/15

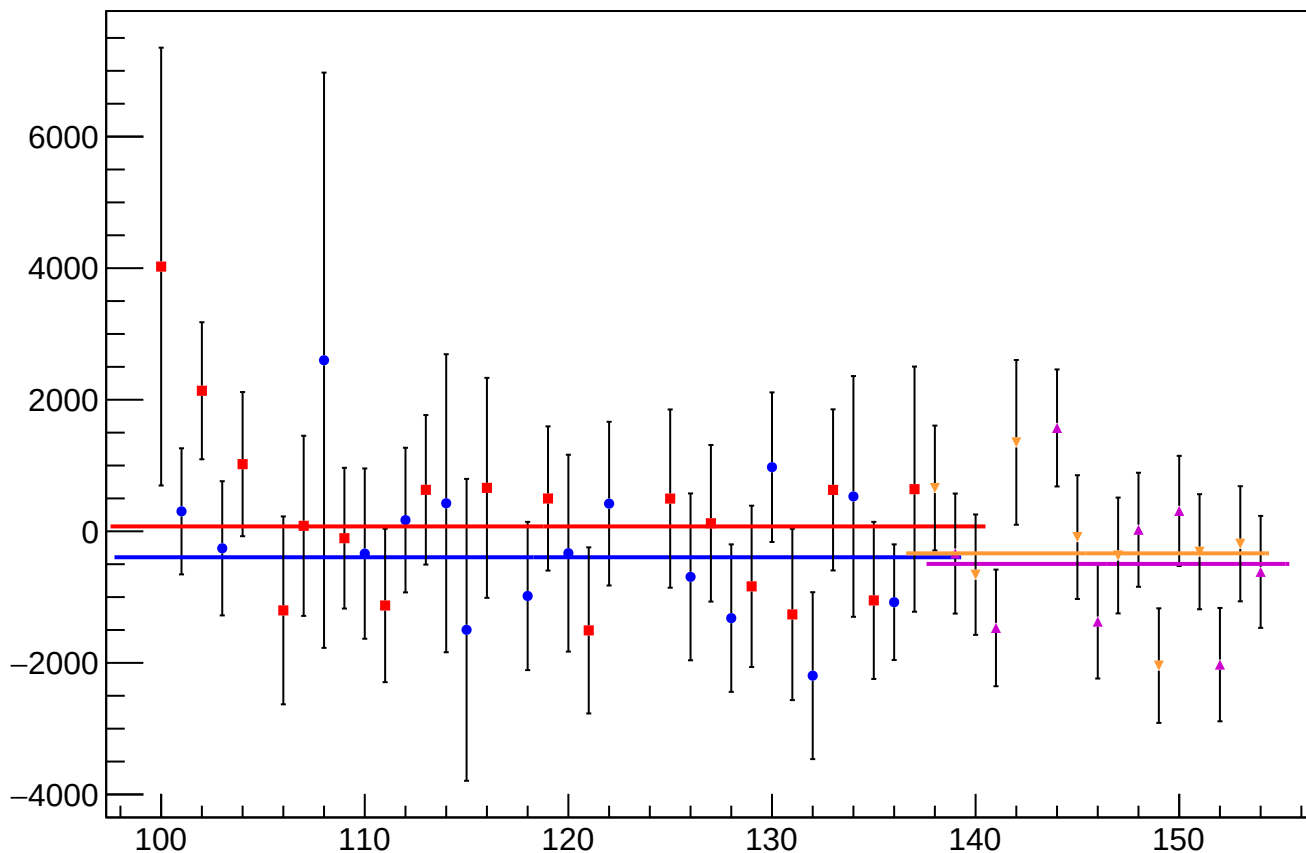
Right: 1463.597 $\pm$ 0.283 χ^2/NDF : 541697.1/33

In: 1488.769 $\pm$ 0.292 χ^2/NDF : 585999.9/23

Out: 1501.228 $\pm$ 0.299 χ^2/NDF : 477807.1/25

All: 1494.848 $\pm$ 0.209 χ^2/NDF : 1064696.9/49

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -394.364 ± 313.174 $\chi^2/\text{NDF}: 7.4/15$

Left Out: -334.884 ± 328.015 $\chi^2/\text{NDF}: 7.0/7$

Right Out: 74.289 ± 298.398 $\chi^2/\text{NDF}: 12.9/17$

Left In: -495.541 ± 307.735 $\chi^2/\text{NDF}: 12.1/7$

Left: -420.332 ± 224.429 $\chi^2/\text{NDF}: 19.2/15$

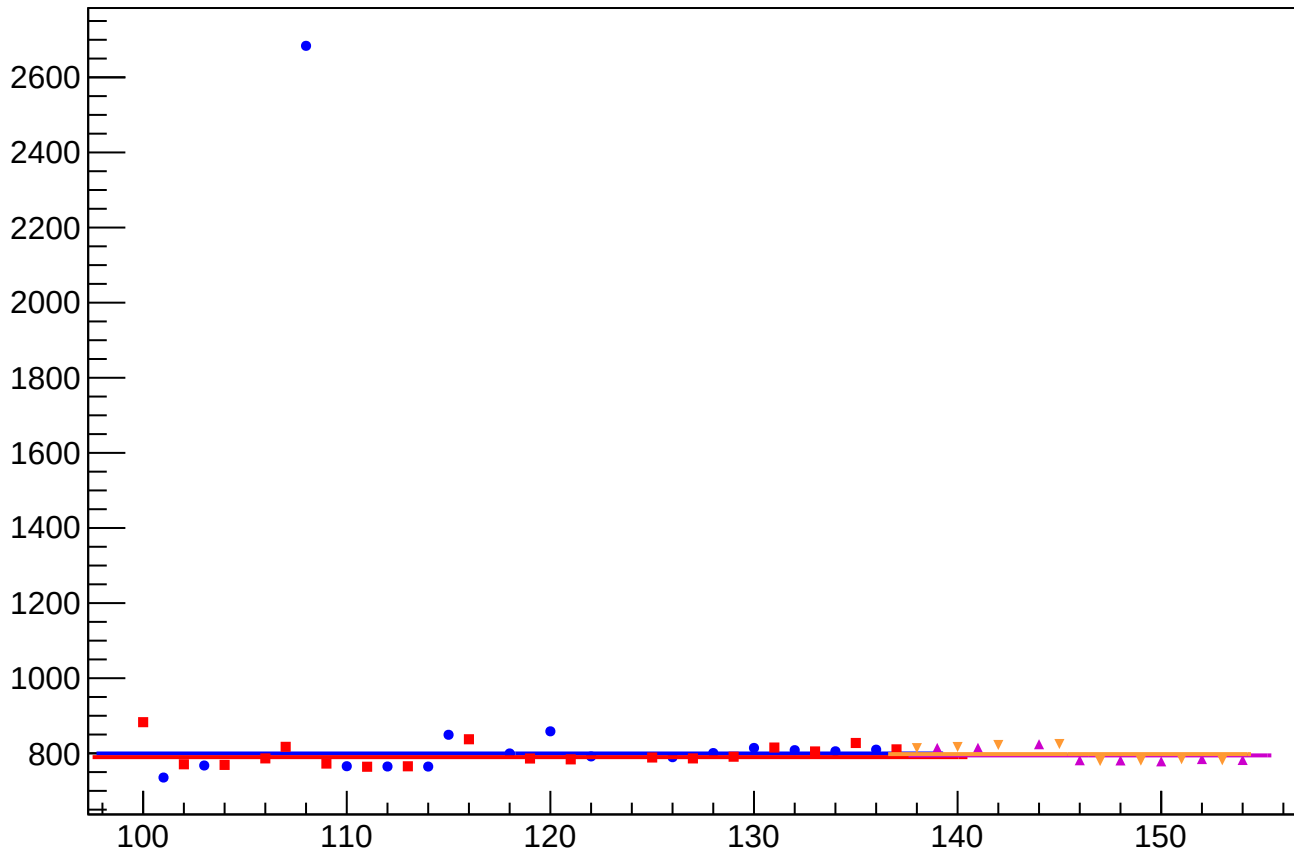
Right: -148.721 ± 216.034 $\chi^2/\text{NDF}: 21.5/33$

In: -445.839 ± 219.499 $\chi^2/\text{NDF}: 19.6/23$

Out: -110.995 ± 220.729 $\chi^2/\text{NDF}: 20.8/25$

All: -279.352 ± 155.642 $\chi^2/\text{NDF}: 41.5/49$

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 799.537 $\pm$ 0.221 χ^2 /NDF: 391185.9/15

Left Out: 797.877 $\pm$ 0.232 χ^2 /NDF: 6677.5/7

Right Out: 789.794 $\pm$ 0.211 χ^2 /NDF: 11174.9/17

Left In: 794.450 $\pm$ 0.218 χ^2 /NDF: 6536.0/7

Left: 796.054 $\pm$ 0.159 χ^2 /NDF: 13329.7/15

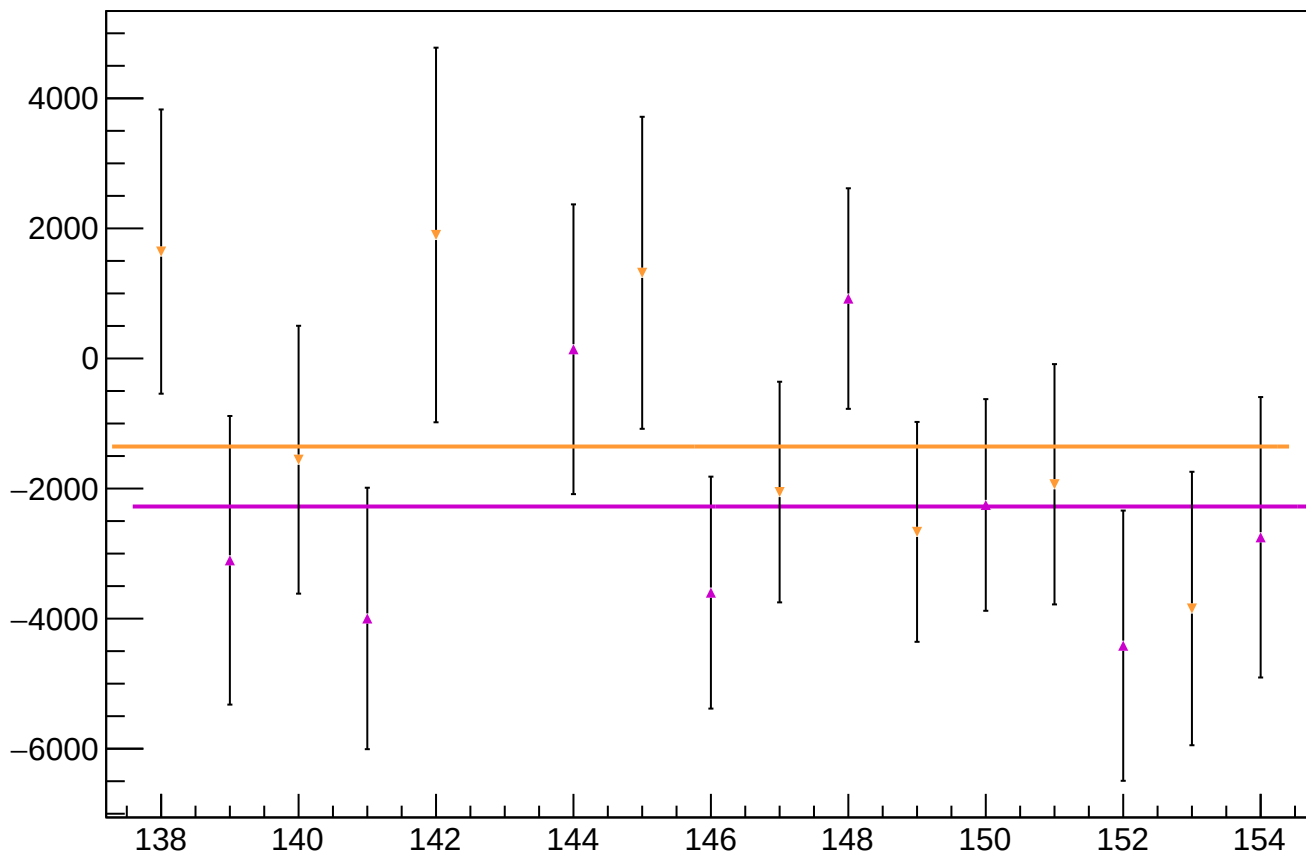
Right: 794.430 $\pm$ 0.153 χ^2 /NDF: 403375.5/33

In: 796.949 $\pm$ 0.155 χ^2 /NDF: 397990.4/23

Out: 793.454 $\pm$ 0.156 χ^2 /NDF: 18517.0/25

All: 795.211 $\pm$ 0.110 χ^2 /NDF: 416759.5/49

asym_us_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -1353.799+/-714.976 χ^2/NDF : 6.7/7

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

Left In: -2276.097+/-683.770 χ^2/NDF : 7.3/7

Left: -1835.515+/-494.162 χ^2/NDF : 14.8/15

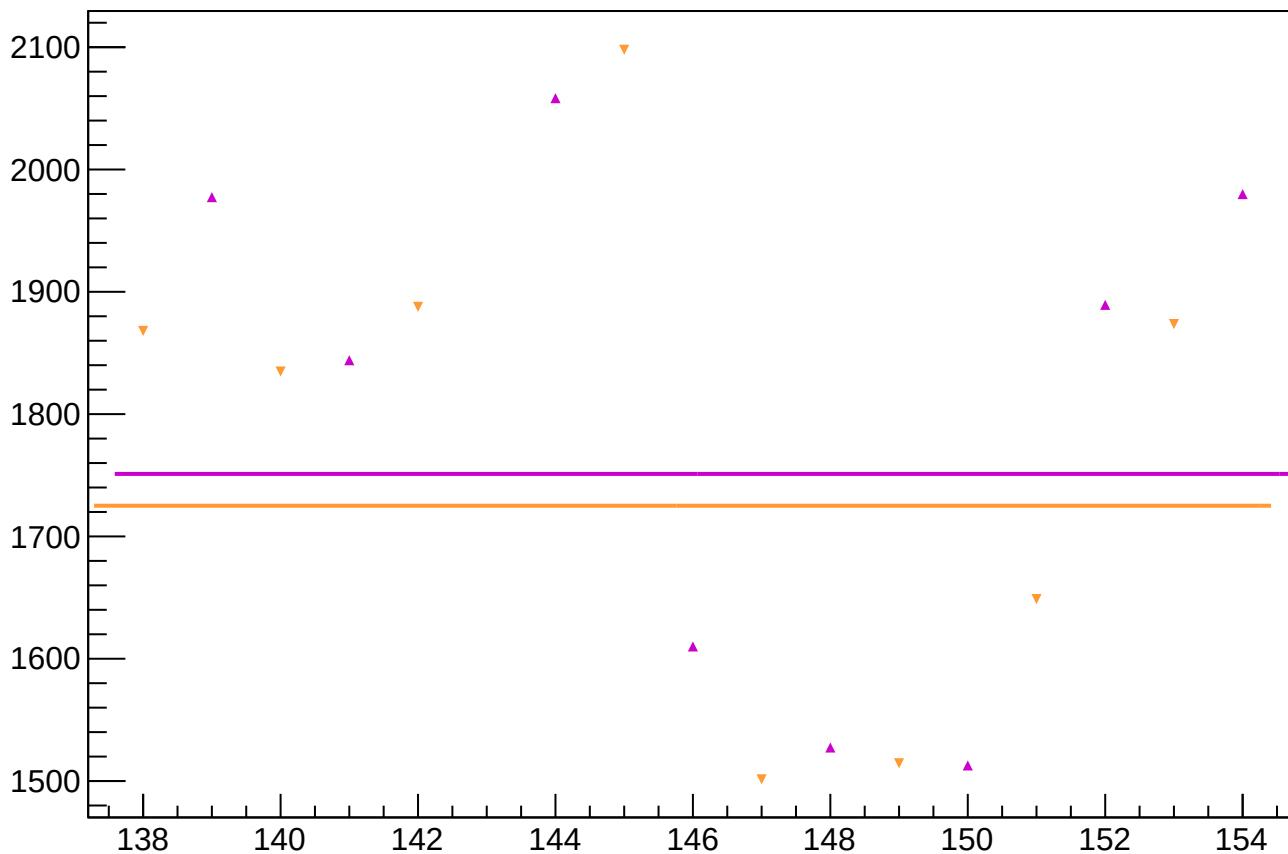
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -2276.097+/-683.770 χ^2/NDF : 7.3/7

Out: -1353.799+/-714.976 χ^2/NDF : 6.7/7

All: -1835.515+/-494.162 χ^2/NDF : 14.8/15

asym_us_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1725.108+/-0.506 χ^2/NDF :148120.2/7

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

Left In: 1751.106+/-0.483 χ^2/NDF :184713.3/7

Left: 1738.687+/-0.349 χ^2/NDF : 334214.7/15

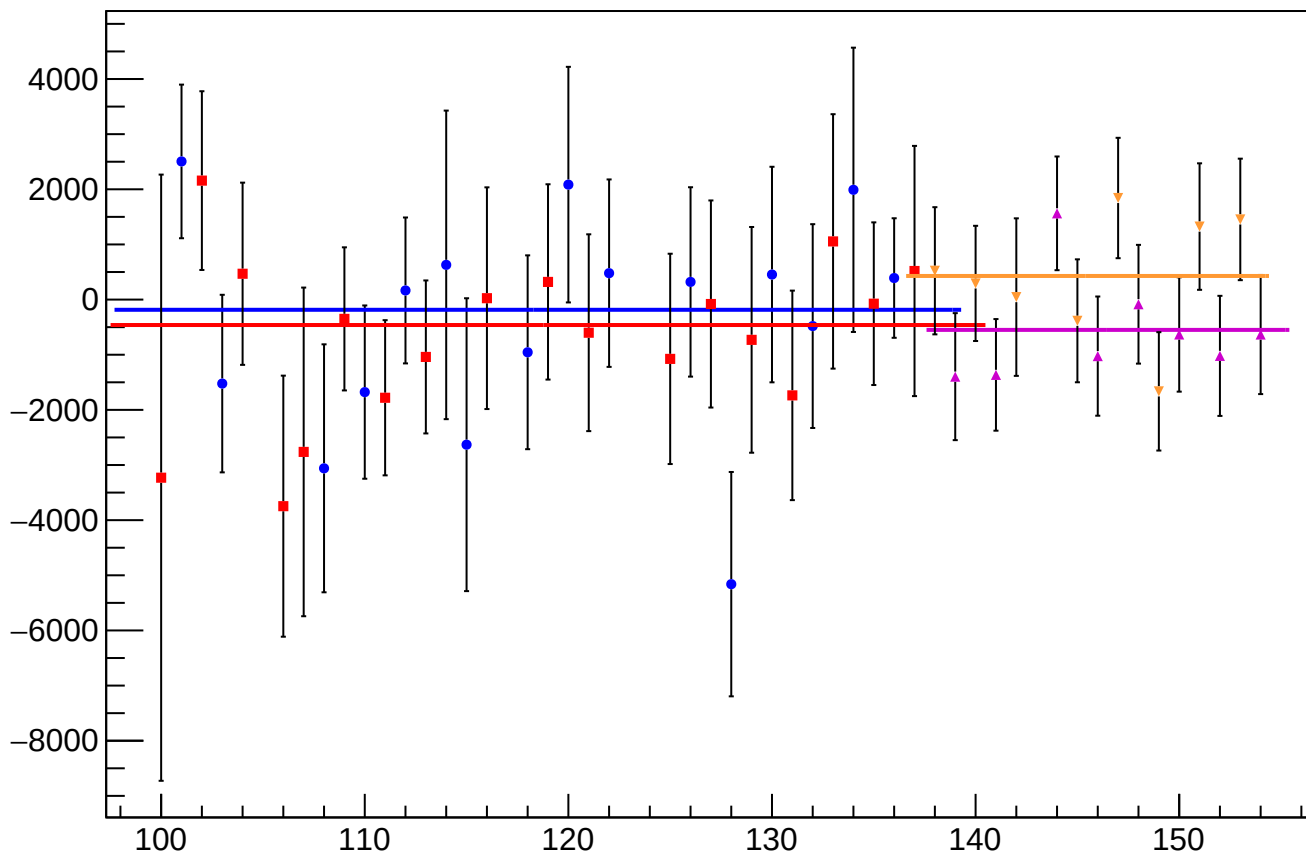
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1751.106+/-0.483 χ^2/NDF :184713.3/7

Out: 1725.108+/-0.506 χ^2/NDF :148120.2/7

All: 1738.687+/-0.349 χ^2/NDF : 334214.7/15

asym_us_dd_mean vs Slug, Sign Corrected



Right In: -185.054 ± 431.495 $\chi^2/\text{NDF}: 16.6/15$

Left Out: 428.410 ± 399.855 $\chi^2/\text{NDF}: 7.6/7$

Right Out: -461.253 ± 426.921 $\chi^2/\text{NDF}: 8.3/17$

Left In: -549.587 ± 377.407 $\chi^2/\text{NDF}: 6.0/7$

Left: -88.810 ± 274.460 $\chi^2/\text{NDF}: 16.7/15$

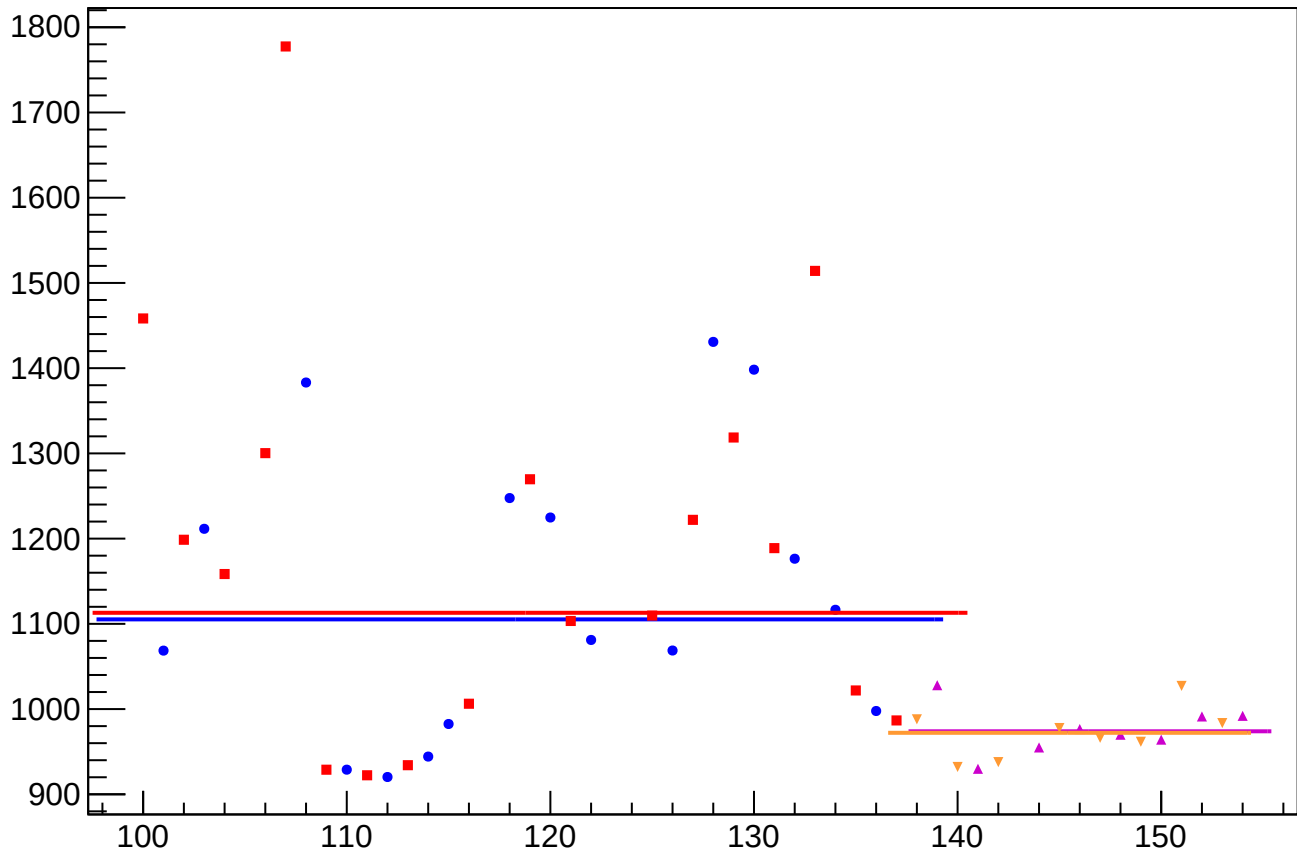
Right: -324.625 ± 303.483 $\chi^2/\text{NDF}: 25.2/33$

In: -391.587 ± 284.077 $\chi^2/\text{NDF}: 23.0/23$

Out: 12.672 ± 291.840 $\chi^2/\text{NDF}: 18.2/25$

All: -194.905 ± 203.562 $\chi^2/\text{NDF}: 42.2/49$

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1105.236+/-0.305 χ^2/NDF : 255366.2/15

Left Out: 972.158+/-0.283 χ^2/NDF : 9593.3/7

Right Out: 1112.974+/-0.302 χ^2/NDF : 362995.4/17

Left In: 973.928+/-0.267 χ^2/NDF : 10157.4/7

Left: 973.094+/-0.194 χ^2/NDF : 19771.5/15

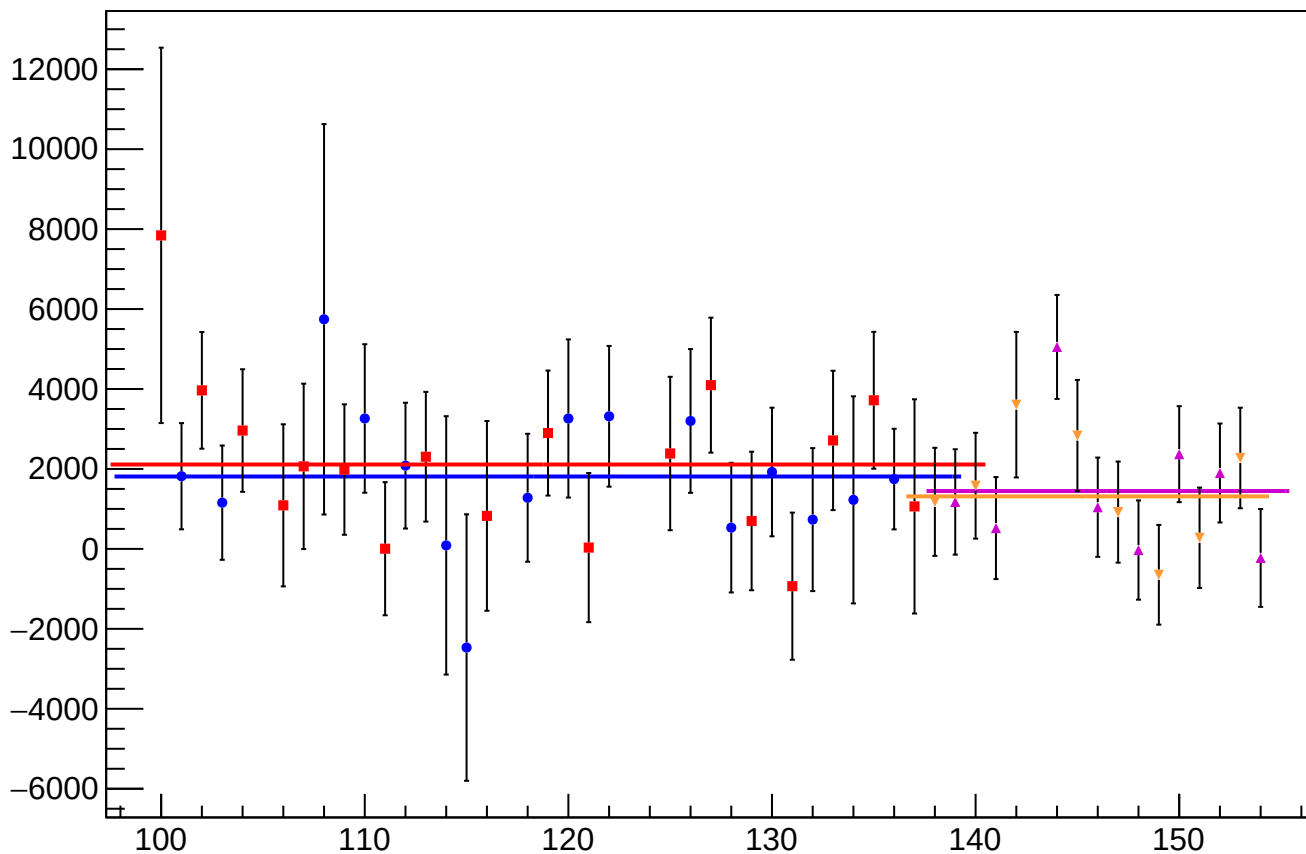
Right: 1109.146+/-0.215 χ^2/NDF : 618686.6/33

In: 1030.841+/-0.201 χ^2/NDF : 370456.6/23

Out: 1037.961+/-0.206 χ^2/NDF : 488498.6/25

All: 1034.305+/-0.144 χ^2/NDF : 859566.6/49

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1811.054 $\pm$ 442.142 χ^2/NDF : 6.5/15

Left Out: 1313.662 $\pm$ 472.951 χ^2/NDF : 6.7/7

Right Out: 2111.004 $\pm$ 427.676 χ^2/NDF : 13.0/17

Left In: 1447.822 $\pm$ 443.156 χ^2/NDF : 12.4/7

Left: 1385.101 $\pm$ 323.379 χ^2/NDF : 19.1/15

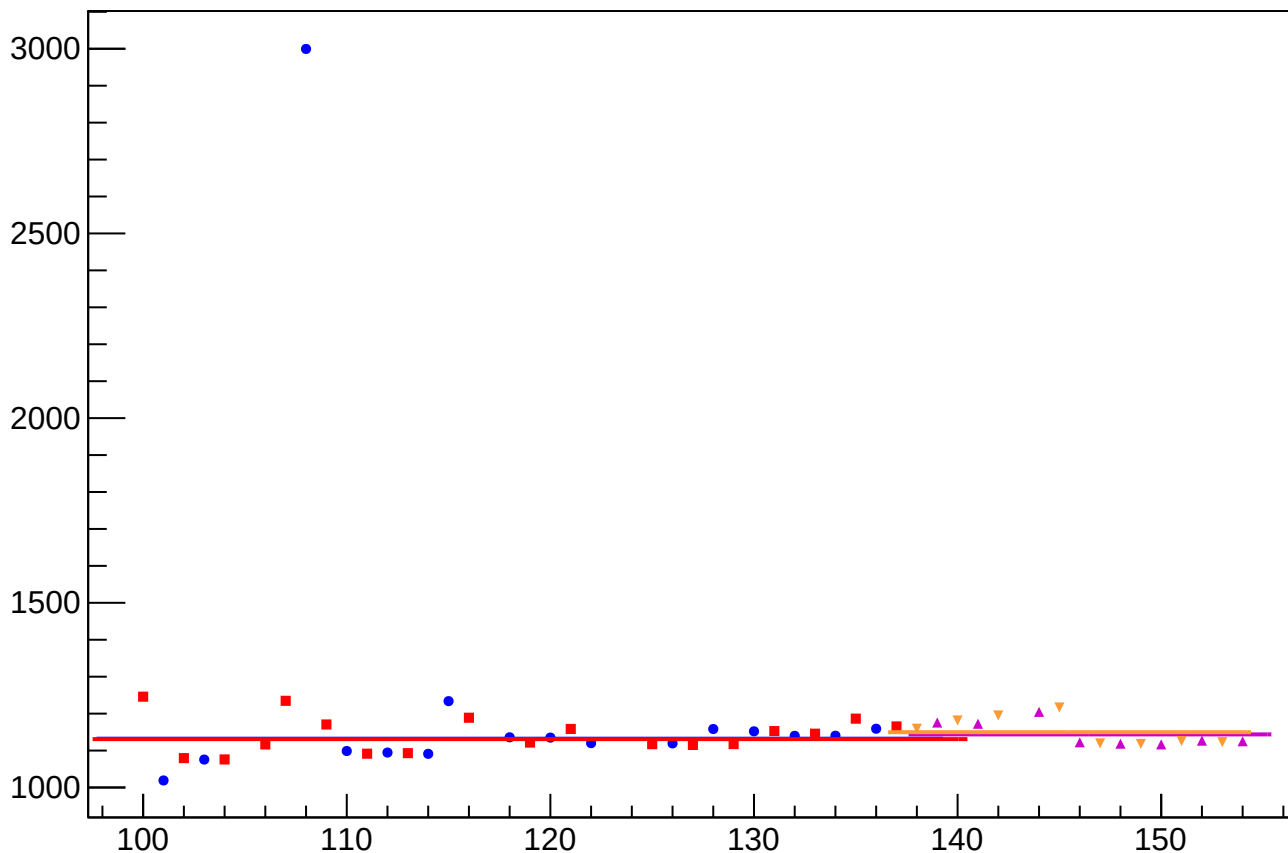
Right: 1966.016 $\pm$ 307.400 χ^2/NDF : 19.7/33

In: 1629.854 $\pm$ 312.999 χ^2/NDF : 19.2/23

Out: 1752.314 $\pm$ 317.215 χ^2/NDF : 21.3/25

All: 1690.265 $\pm$ 222.799 χ^2/NDF : 40.5/49

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1132.074+/-0.313 χ^2/NDF : 316026.3/15

Left Out: 1149.719+/-0.334 χ^2/NDF :11198.8/7

Right Out: 1131.016+/-0.302 χ^2/NDF : 19719.1/17

Left In: 1143.764+/-0.313 χ^2/NDF :9882.2/7

Left: 1146.548+/-0.229 χ^2/NDF : 21249.8/15

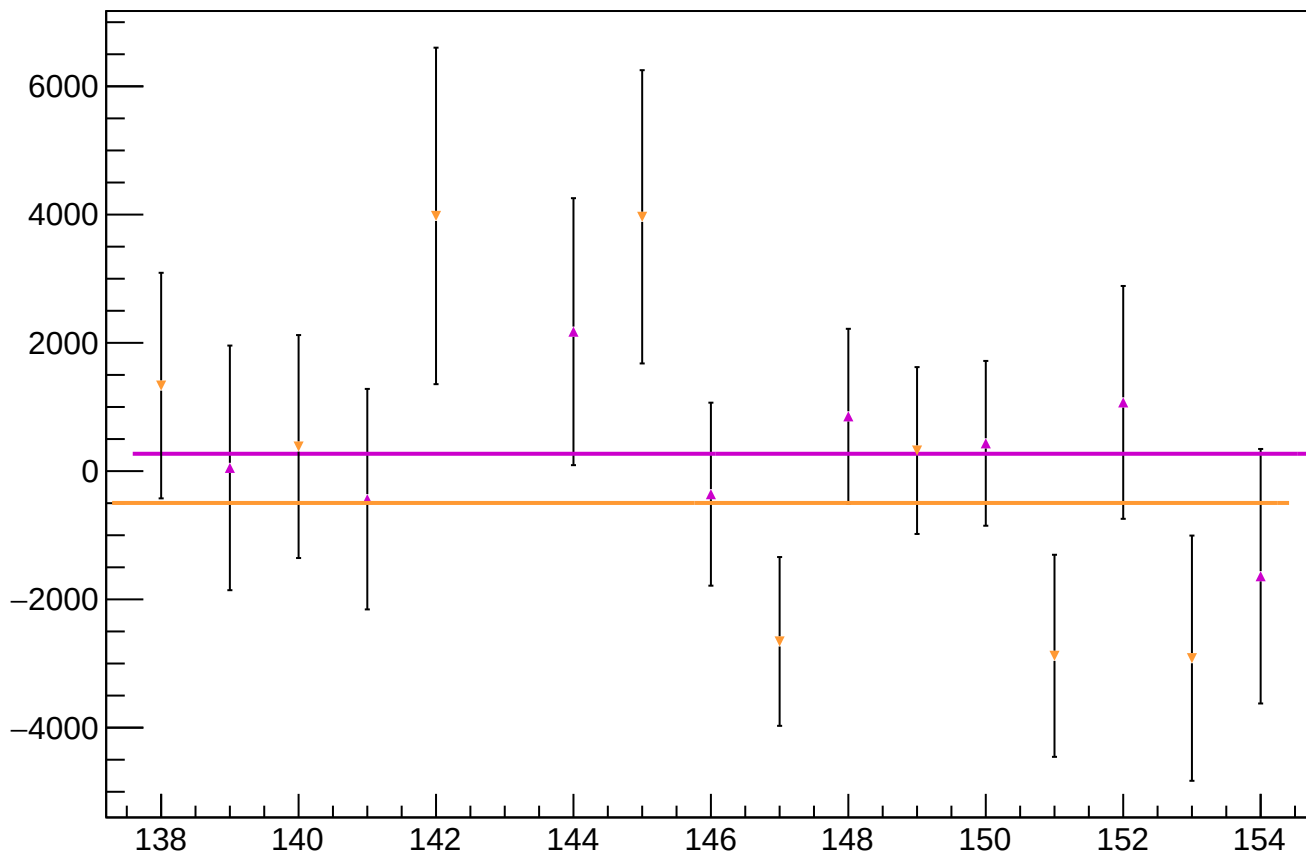
Right: 1131.528+/-0.217 χ^2/NDF : 335751.3/33

In: 1137.906+/-0.221 χ^2/NDF :326605.8/23

Out: 1139.430+/-0.224 χ^2/NDF :32638.4/25

All: 1138.657+/-0.158 χ^2/NDF : 359267.6/49

asym_usl_correction_mean vs Slug, Sign Corrected



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

Left Out: -496.323+/-593.853 χ^2/NDF :15.0/7

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

Left In: 270.529+/-573.975 χ^2/NDF :2.5/7

Left: -99.847+/-412.710 χ^2/NDF : 18.4/15

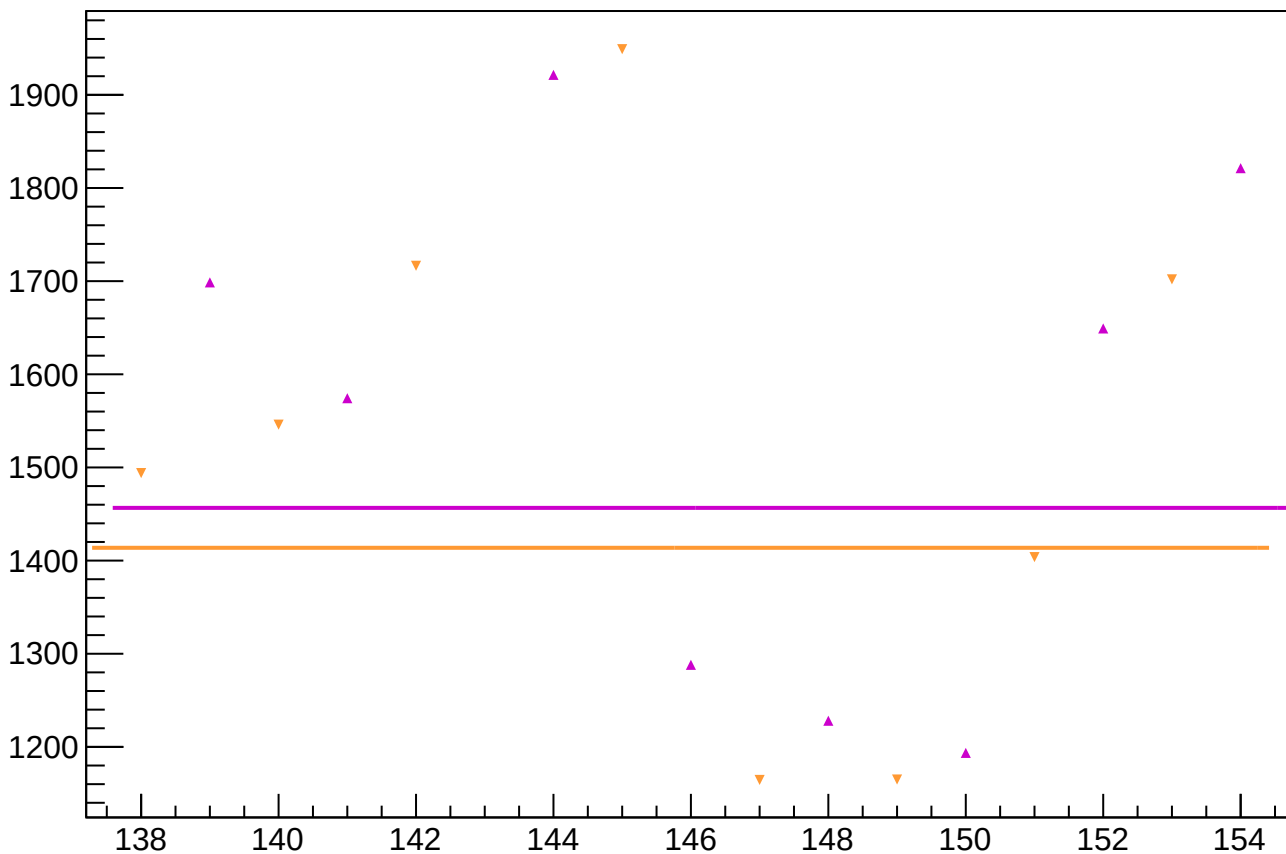
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 270.529+/-573.975 χ^2/NDF :2.5/7

Out: -496.323+/-593.853 χ^2/NDF :15.0/7

All: -99.847+/-412.710 χ^2/NDF : 18.4/15

asym_usl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1413.751+/-0.420 χ^2/NDF : 342352.7/7

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

Left In: 1456.600+/-0.406 χ^2/NDF : 399214.2/7

Left: 1435.904+/-0.292 χ^2/NDF : 746950.3/15

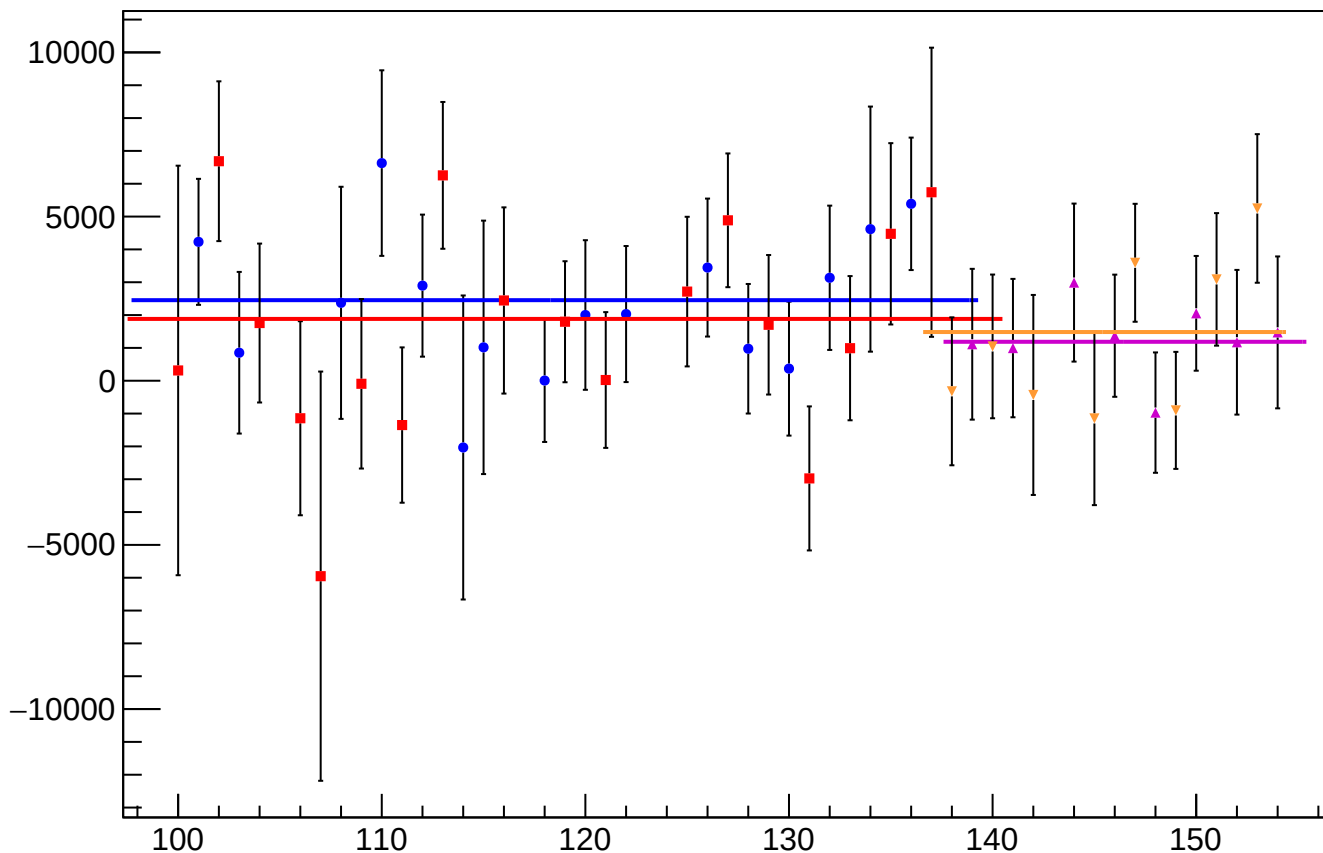
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1456.600+/-0.406 χ^2/NDF : 399214.2/7

Out: 1413.751+/-0.420 χ^2/NDF : 342352.7/7

All: 1435.904+/-0.292 χ^2/NDF : 746950.3/15

asym_usl_mean vs Slug, Sign Corrected



Right In: 2453.670 $\pm$ 584.307 χ^2/NDF : 10.8/15

Left Out: 1483.502 $\pm$ 761.951 χ^2/NDF : 8.6/7

Right Out: 1882.755 $\pm$ 583.188 χ^2/NDF : 22.8/17

Left In: 1186.105 $\pm$ 726.566 χ^2/NDF : 2.2/7

Left: 1327.738 $\pm$ 525.824 χ^2/NDF : 10.9/15

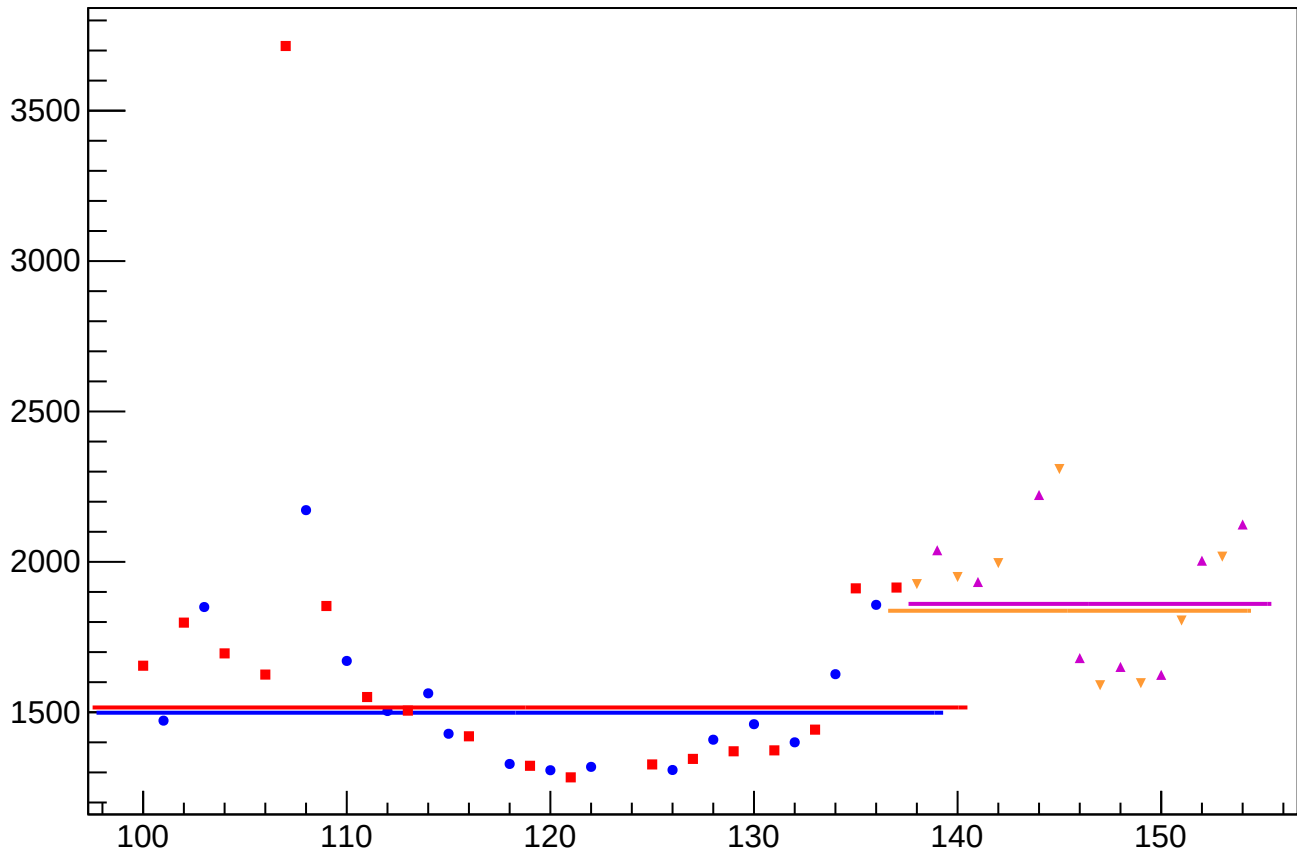
Right: 2167.665 $\pm$ 412.771 χ^2/NDF : 34.0/33

In: 1955.846 $\pm$ 455.332 χ^2/NDF : 14.8/23

Out: 1735.266 $\pm$ 463.107 χ^2/NDF : 31.6/25

All: 1847.424 $\pm$ 324.682 χ^2/NDF : 46.5/49

asym_usl_rms vs Slug, Sign Corrected



Right In: 1498.485 $\pm$ 0.413 χ^2 /NDF: 258807.5/15

Left Out: 1837.477 $\pm$ 0.539 χ^2 /NDF:165045.3/7

Right Out: 1515.949 $\pm$ 0.412 χ^2 /NDF: 480541.4/17

Left In: 1860.322 $\pm$ 0.514 χ^2 /NDF:175632.2/7

Left: 1849.442 $\pm$ 0.372 χ^2 /NDF: 341619.2/15

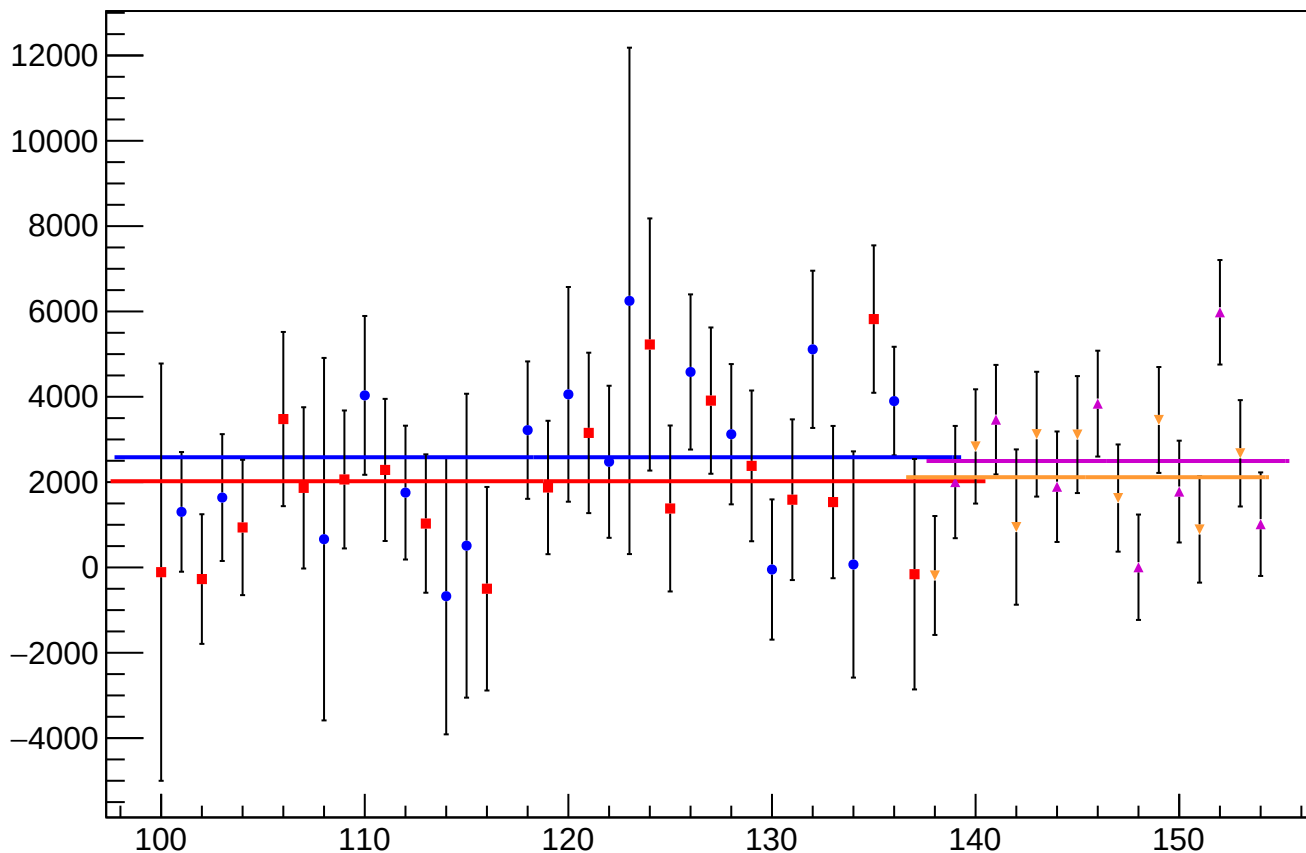
Right: 1507.233 $\pm$ 0.292 χ^2 /NDF: 740243.9/33

In: 1640.593 $\pm$ 0.322 χ^2 /NDF:735656.5/23

Out: 1634.725 $\pm$ 0.327 χ^2 /NDF:870161.0/25

All: 1637.708 $\pm$ 0.230 χ^2 /NDF: 1605980.7/49

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2582.988 $\pm$ 453.193 χ^2/NDF : 12.3/16

Left Out: 2115.116 $\pm$ 449.728 χ^2/NDF : 6.9/8

Right Out: 2020.735 $\pm$ 426.756 χ^2/NDF : 13.5/18

Left In: 2494.742 $\pm$ 441.316 χ^2/NDF : 16.1/7

Left: 2308.512 $\pm$ 314.989 χ^2/NDF : 23.4/16

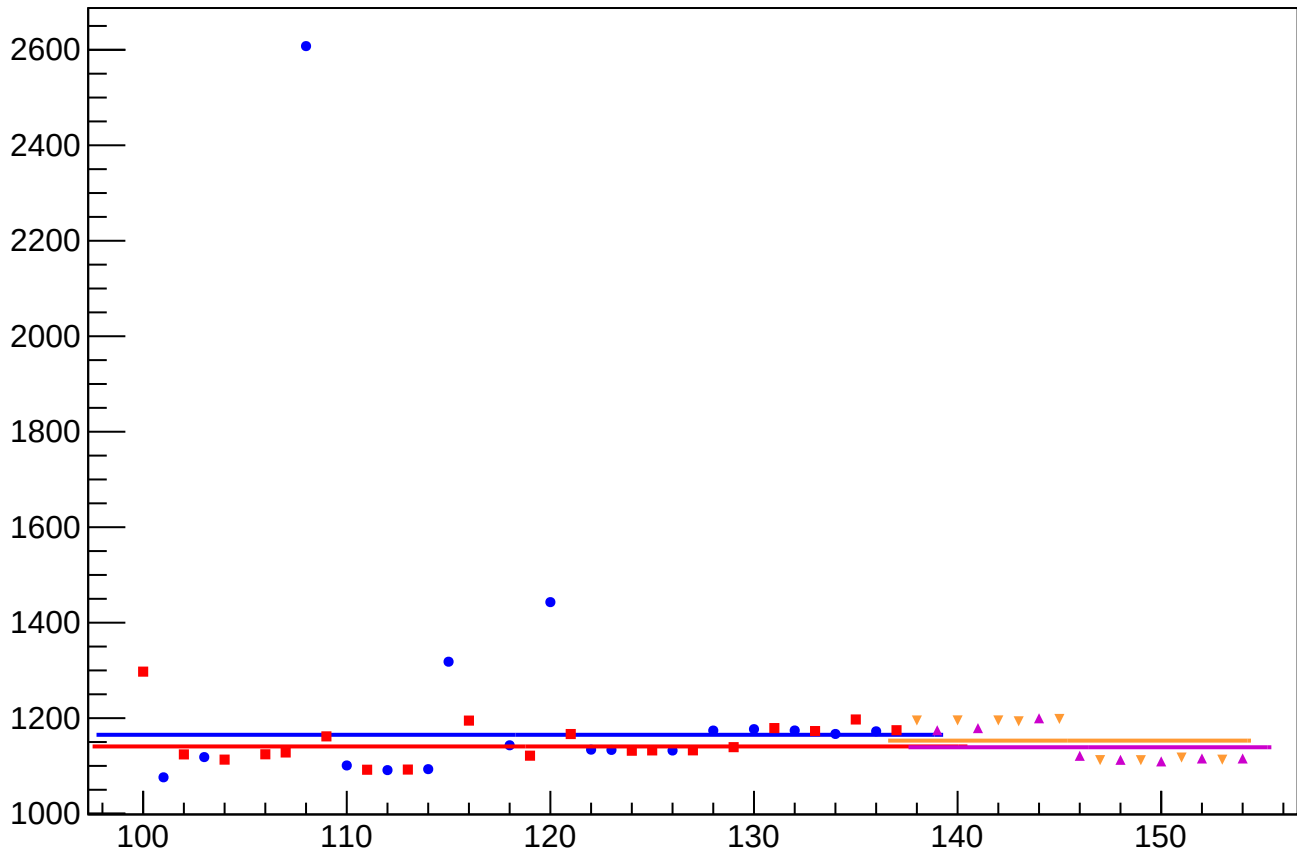
Right: 2284.984 $\pm$ 310.688 χ^2/NDF : 26.6/35

In: 2537.693 $\pm$ 316.173 χ^2/NDF : 28.4/24

Out: 2065.454 $\pm$ 309.565 χ^2/NDF : 20.4/27

All: 2296.586 $\pm$ 221.195 χ^2/NDF : 50.0/52

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1165.146 ± 0.320 $\chi^2/\text{NDF}: 278570.1/16$

Left Out: 1152.950 ± 0.318 $\chi^2/\text{NDF}: 16604.0/8$

Right Out: 1140.752 ± 0.302 $\chi^2/\text{NDF}: 12717.7/18$

Left In: 1139.045 ± 0.312 $\chi^2/\text{NDF}: 11848.9/7$

Left: 1145.866 ± 0.223 $\chi^2/\text{NDF}: 29427.0/16$

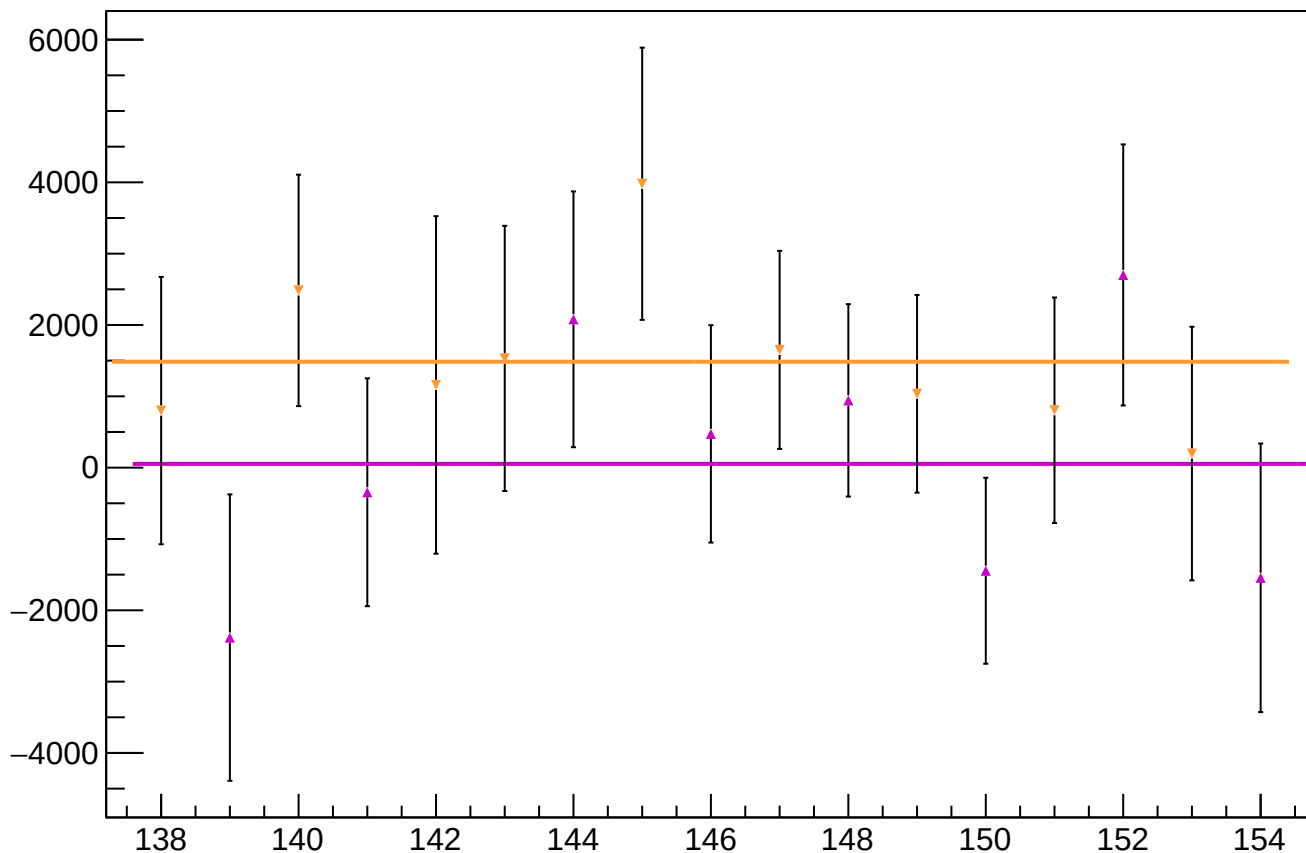
Right: 1152.217 ± 0.220 $\chi^2/\text{NDF}: 294359.2/35$

In: 1151.749 ± 0.224 $\chi^2/\text{NDF}: 293824.3/24$

Out: 1146.532 ± 0.219 $\chi^2/\text{NDF}: 30095.9/27$

All: 1149.085 ± 0.156 $\chi^2/\text{NDF}: 324198.3/52$

asym_usr_correction_mean vs Slug, Sign Corrected



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

Left Out: 1484.451+/-562.252 χ^2/NDF : 3.1/8

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

Left In: 52.669+/-567.927 χ^2/NDF : 7.5/7

Left: 775.749+/-399.563 χ^2/NDF : 13.7/16

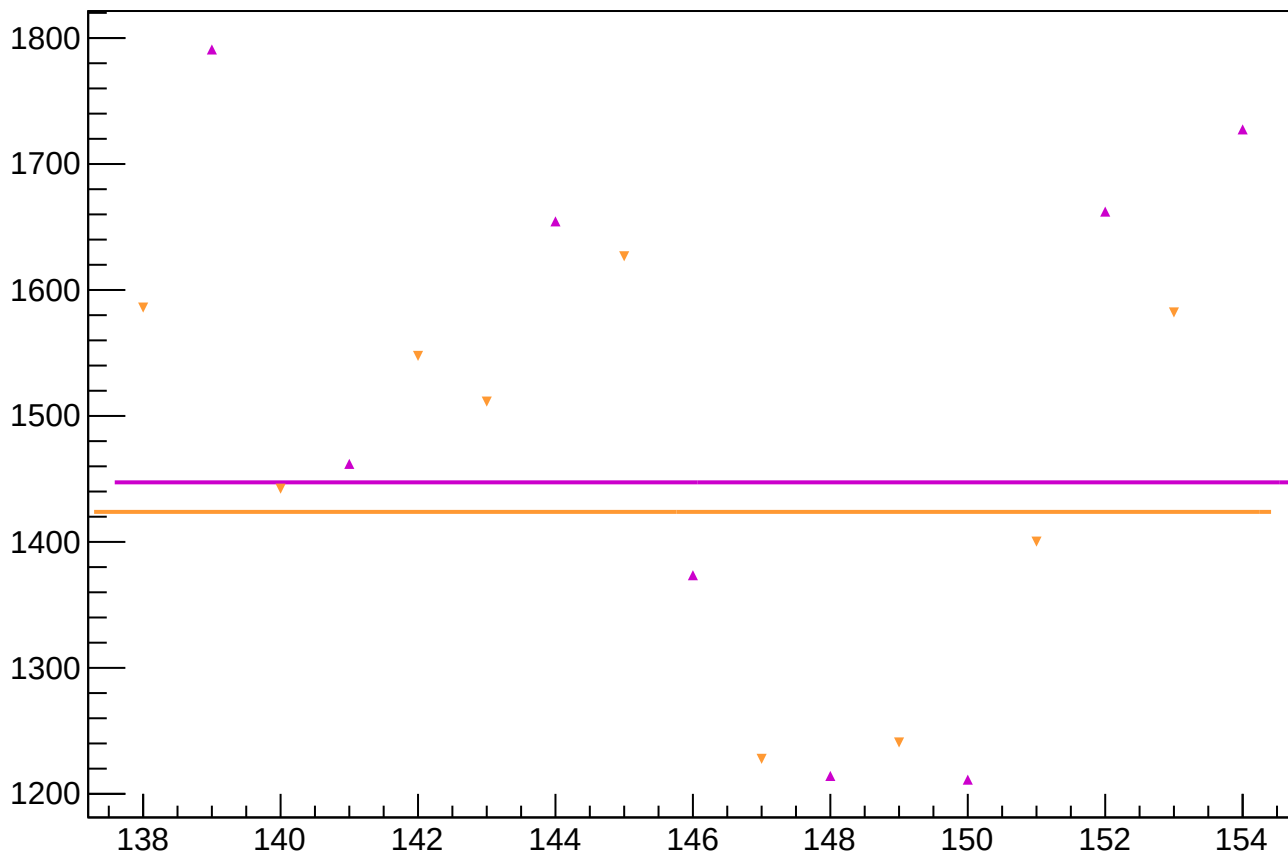
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 52.669+/-567.927 χ^2/NDF : 7.5/7

Out: 1484.451+/-562.252 χ^2/NDF : 3.1/8

All: 775.749+/-399.563 χ^2/NDF : 13.7/16

asym_usr_correction_rms vs Slug, Sign Corrected



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

Left Out: 1423.842+/-0.398 χ^2/NDF :138842.7/8

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

Left In: 1447.287+/-0.402 χ^2/NDF :287296.9/7

Left: 1435.447+/-0.283 χ^2/NDF : 427860.9/16

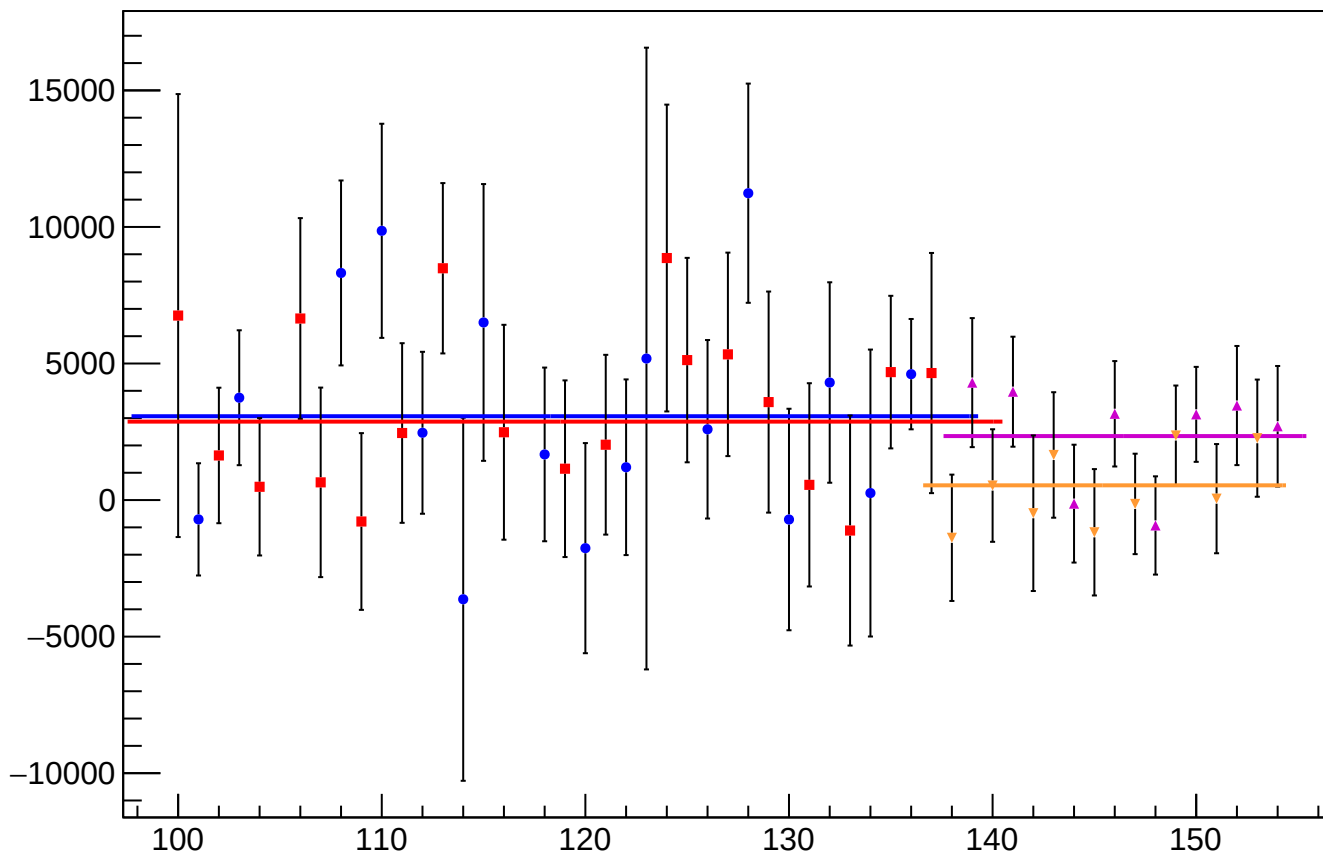
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1447.287+/-0.402 χ^2/NDF :287296.9/7

Out: 1423.842+/-0.398 χ^2/NDF :138842.7/8

All: 1435.447+/-0.283 χ^2/NDF : 427860.9/16

asym_usr_mean vs Slug, Sign Corrected



Right In: 3069.484 $\pm$ 797.741 χ^2 /NDF: 18.5/16

Left Out: 539.418 $\pm$ 709.979 χ^2 /NDF:3.4/8

Right Out: 2872.615 $\pm$ 795.352 χ^2 /NDF: 11.6/18

Left In: 2342.788 $\pm$ 713.527 χ^2 /NDF:6.6/7

Left: 1436.609 $\pm$ 503.281 χ^2 /NDF: 13.3/16

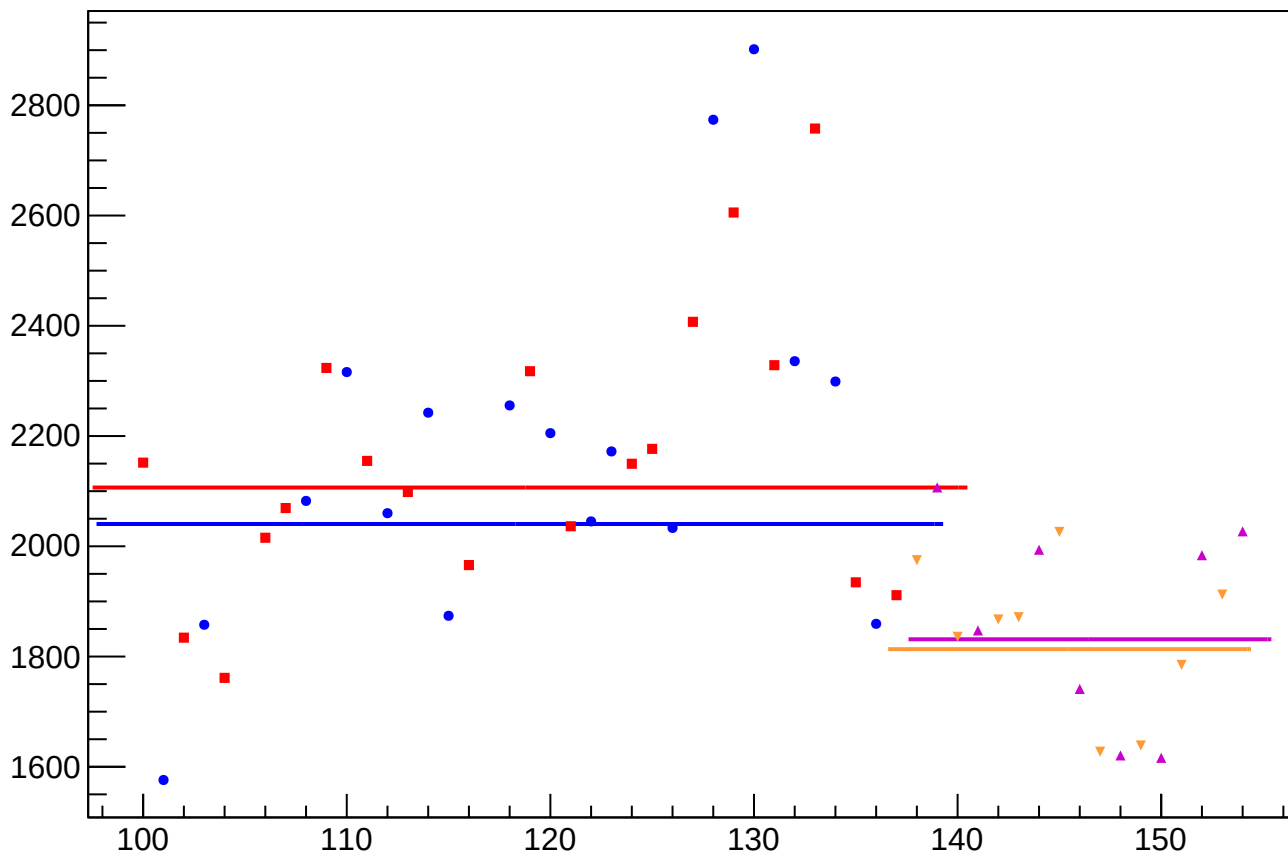
Right: 2970.754 $\pm$ 563.242 χ^2 /NDF: 30.1/35

In: 2665.767 $\pm$ 531.830 χ^2 /NDF:25.6/24

Out: 1574.116 $\pm$ 529.652 χ^2 /NDF:19.8/27

All: 2117.702 $\pm$ 375.288 χ^2 /NDF: 47.6/52

asym_usr_rms vs Slug, Sign Corrected



Right In: 2040.433+/-0.564 χ^2/NDF : 331339.9/16

Left Out: 1813.383+/-0.502 χ^2/NDF : 72239.6/8

Right Out: 2106.624+/-0.562 χ^2/NDF : 195414.9/18

Left In: 1831.331+/-0.505 χ^2/NDF : 126569.6/7

Left: 1822.312+/-0.356 χ^2/NDF : 199445.0/16

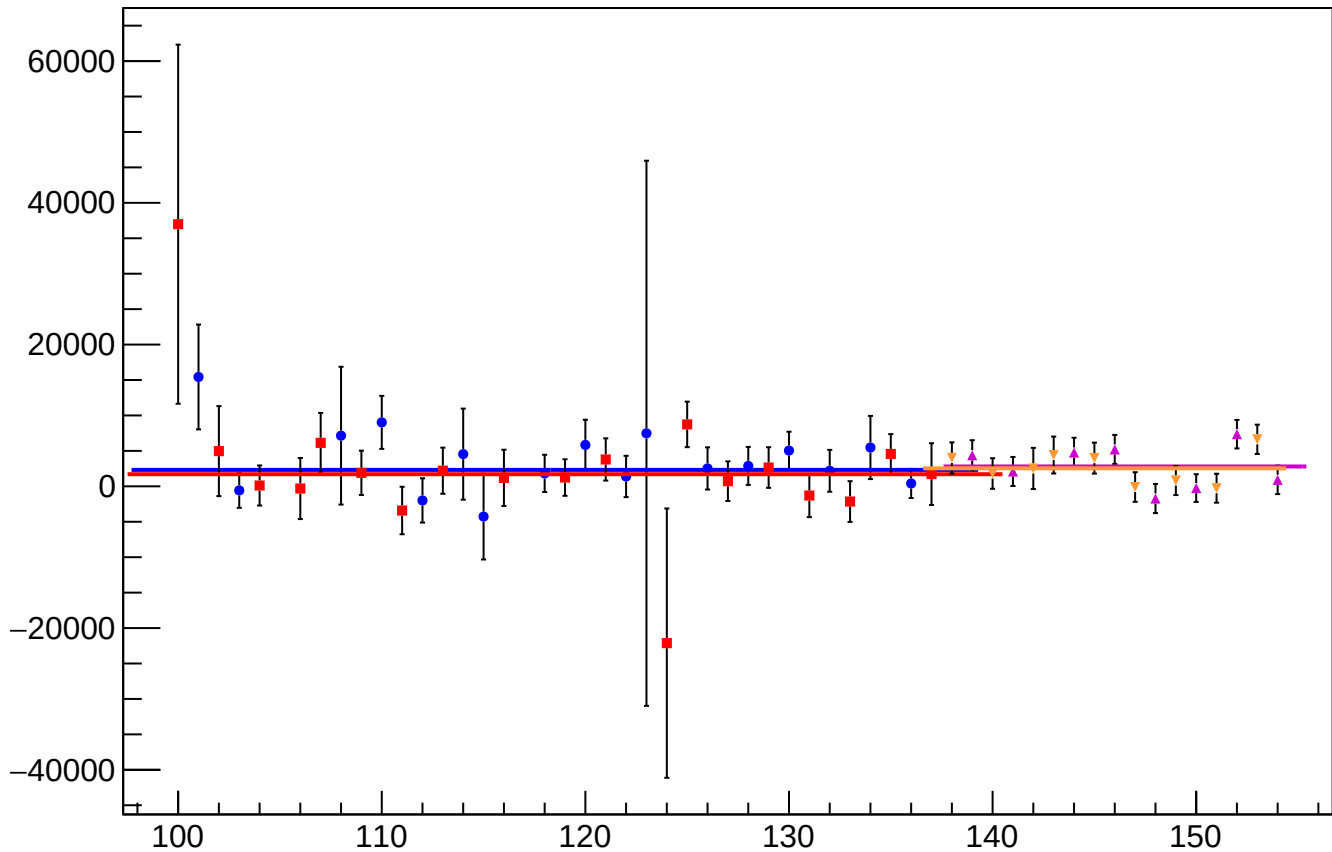
Right: 2073.628+/-0.398 χ^2/NDF : 533659.8/35

In: 1924.266+/-0.376 χ^2/NDF : 534249.0/24

Out: 1943.426+/-0.375 χ^2/NDF : 418958.1/27

All: 1933.885+/-0.265 χ^2/NDF : 954510.3/52

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2319.038 $\pm$ 801.440 χ^2 /NDF: 14.8/16

Left Out: 2537.677 $\pm$ 737.737 χ^2 /NDF:9.6/8

Right Out: 1705.508 $\pm$ 782.848 χ^2 /NDF: 17.2/18

Left In: 2801.488 $\pm$ 721.961 χ^2 /NDF:16.2/7

Left: 2672.434 $\pm$ 515.991 χ^2 /NDF: 25.9/16

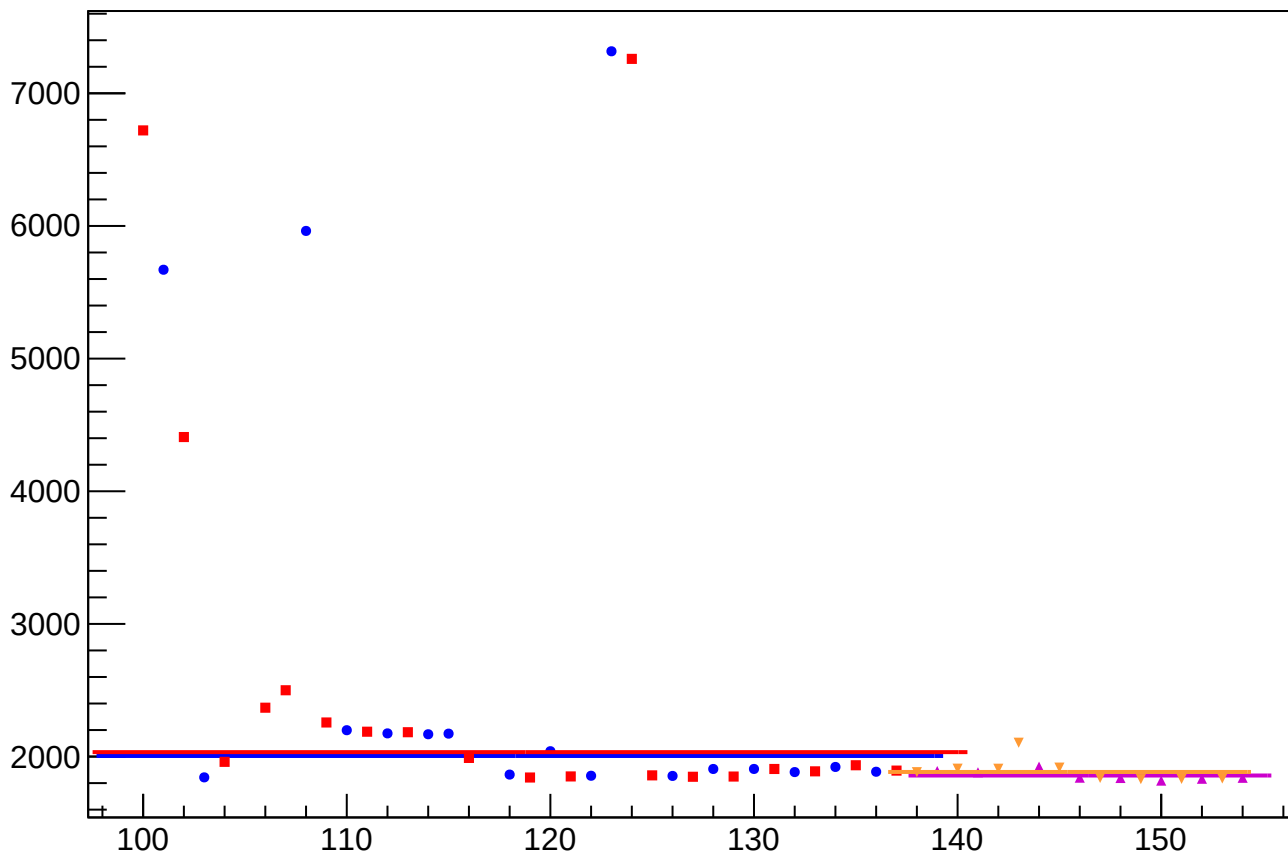
Right: 2005.073 $\pm$ 560.015 χ^2 /NDF: 32.3/35

In: 2585.365 $\pm$ 536.408 χ^2 /NDF:31.2/24

Out: 2146.258 $\pm$ 536.898 χ^2 /NDF:27.4/27

All: 2366.012 $\pm$ 379.471 χ^2 /NDF: 58.9/52

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2004.551+/-0.567 χ^2/NDF : 916013.4/16

Left Out: 1884.003+/-0.522 χ^2/NDF : 19988.6/8

Right Out: 2033.490+/-0.554 χ^2/NDF : 611009.8/18

Left In: 1857.283+/-0.511 χ^2/NDF : 4339.9/7

Left: 1870.354+/-0.365 χ^2/NDF : 25668.6/16

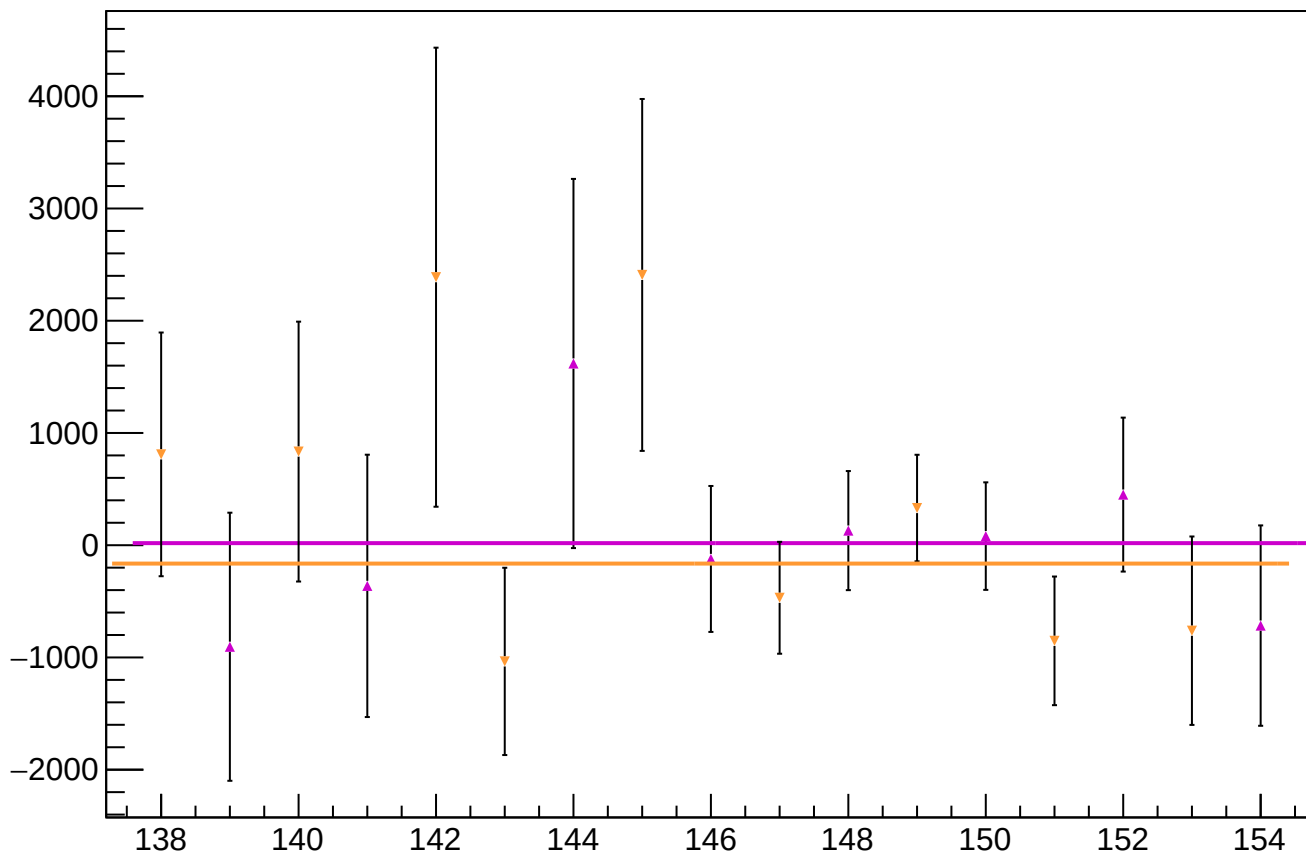
Right: 2019.360+/-0.396 χ^2/NDF : 1528357.7/35

In: 1923.254+/-0.379 χ^2/NDF : 957632.4/24

Out: 1954.316+/-0.380 χ^2/NDF : 669623.2/27

All: 1938.771+/-0.268 χ^2/NDF : 1630605.7/52

asym_at1_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -163.702+/-245.393 χ^2/NDF :10.3/8

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

Left In: 18.478+/-254.321 χ^2/NDF :2.8/7

Left: -75.866+/-176.591 χ^2/NDF : 13.4/16

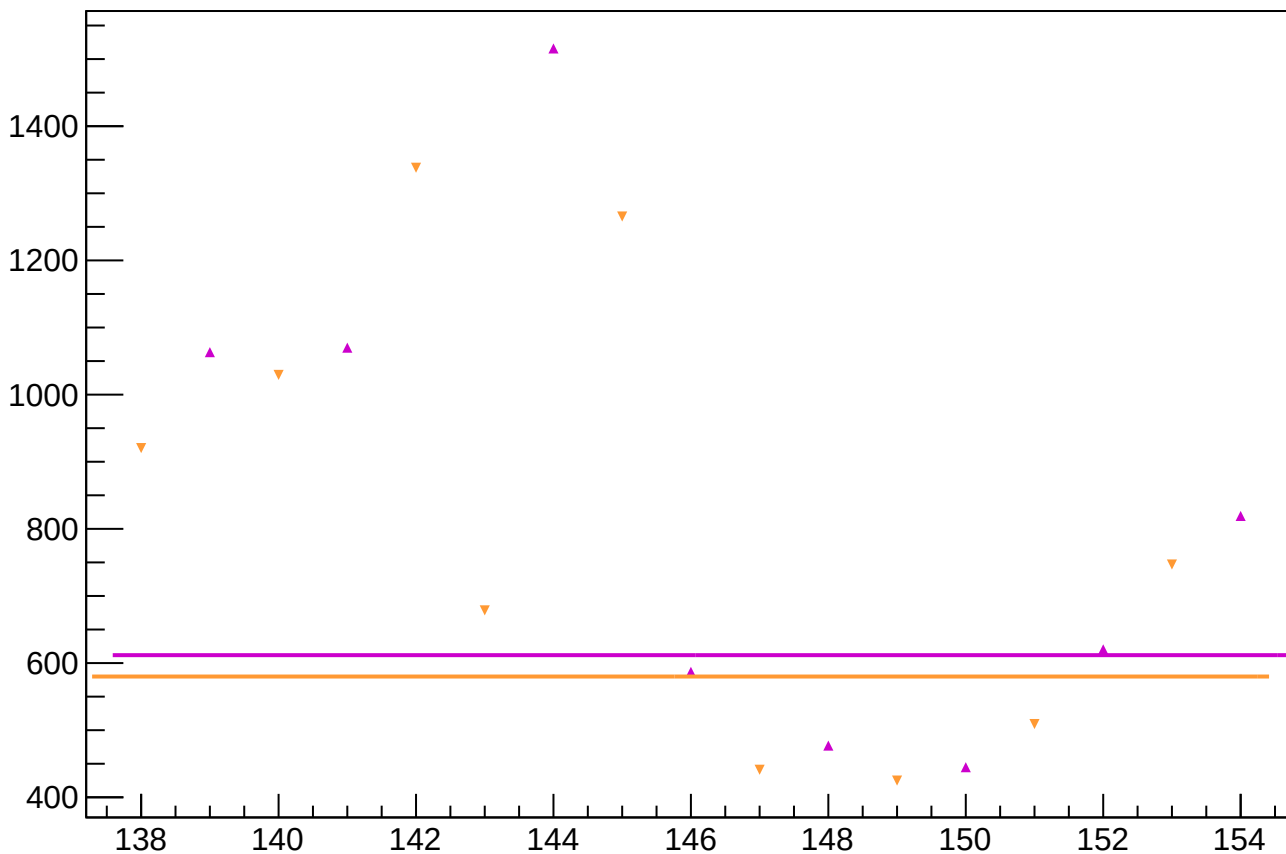
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 18.478+/-254.321 χ^2/NDF :2.8/7

Out: -163.702+/-245.393 χ^2/NDF :10.3/8

All: -75.866+/-176.591 χ^2/NDF : 13.4/16

asym_at1_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 579.955+/-0.174 χ^2/NDF :1661551.8/8

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

Left In: 611.799+/-0.180 χ^2/NDF :1680857.2/7

Left: 595.308+/-0.125 χ^2/NDF : 3358646.7/16

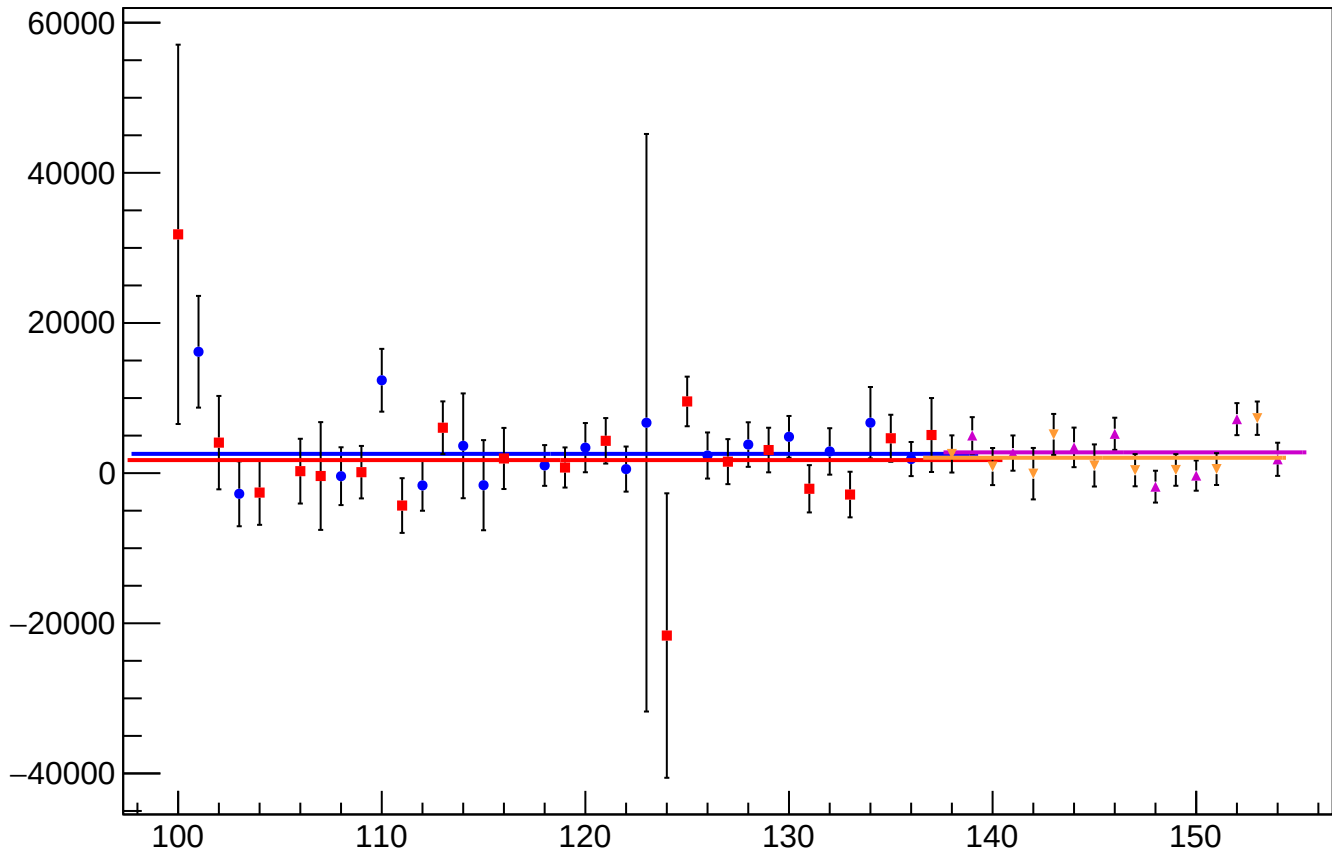
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 611.799+/-0.180 χ^2/NDF :1680857.2/7

Out: 579.955+/-0.174 χ^2/NDF :1661551.8/8

All: 595.308+/-0.125 χ^2/NDF : 3358646.7/16

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2566.797 $\pm$ 856.089 χ^2 /NDF: 15.6/16

Left Out: 2046.271 $\pm$ 805.469 χ^2 /NDF:9.4/8

Right Out: 1737.684 $\pm$ 853.181 χ^2 /NDF: 20.5/18

Left In: 2766.669 $\pm$ 789.526 χ^2 /NDF:13.7/7

Left: 2413.670 $\pm$ 563.831 χ^2 /NDF: 23.5/16

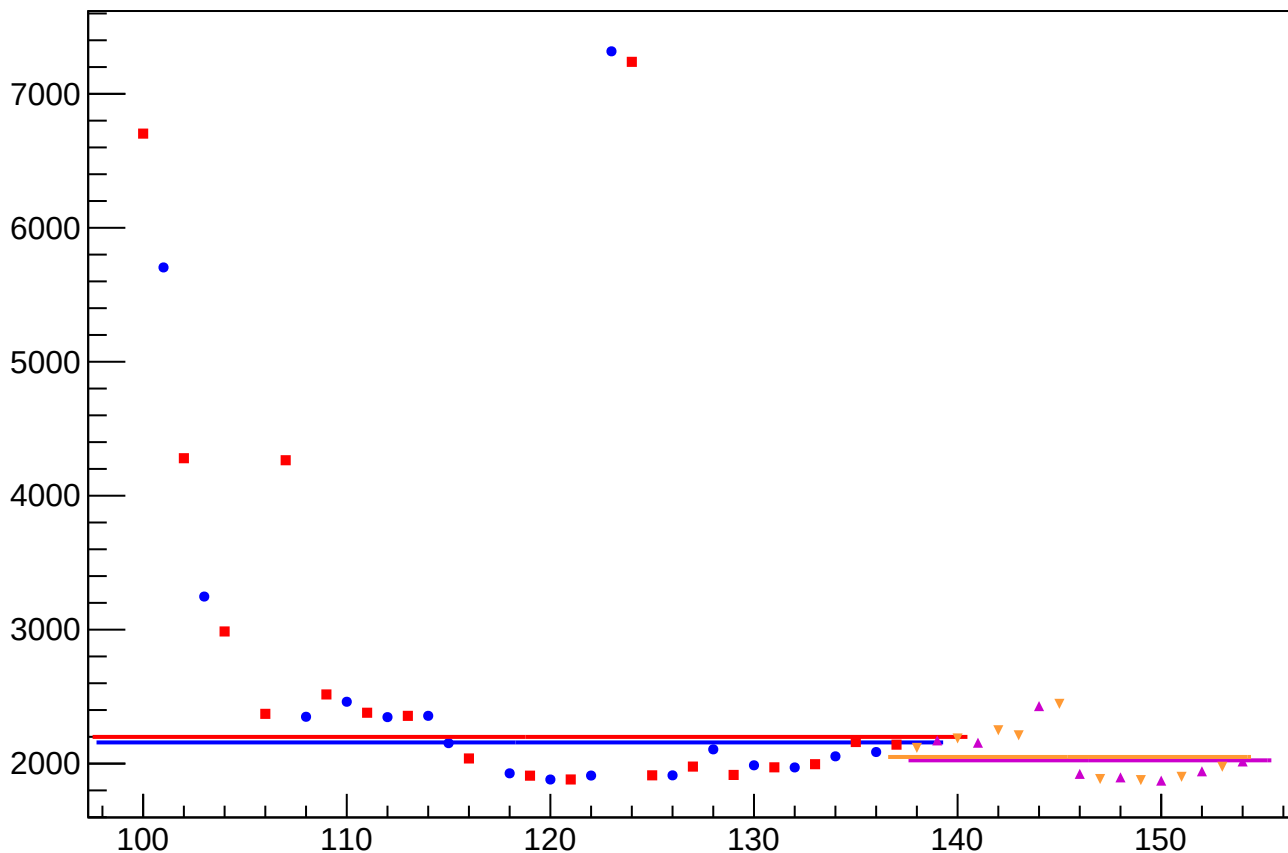
Right: 2150.830 $\pm$ 604.316 χ^2 /NDF: 36.5/35

In: 2674.804 $\pm$ 580.386 χ^2 /NDF:29.3/24

Out: 1900.847 $\pm$ 585.694 χ^2 /NDF:30.0/27

All: 2291.349 $\pm$ 412.259 χ^2 /NDF: 60.2/52

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2158.148 $\pm$ 0.605 χ^2 /NDF: 713862.1/16

Left Out: 2049.579 $\pm$ 0.570 χ^2 /NDF:98719.3/8

Right Out: 2199.343 $\pm$ 0.603 χ^2 /NDF: 803022.0/18

Left In: 2024.409 $\pm$ 0.558 χ^2 /NDF:86781.2/7

Left: 2036.742 $\pm$ 0.399 χ^2 /NDF: 186496.5/16

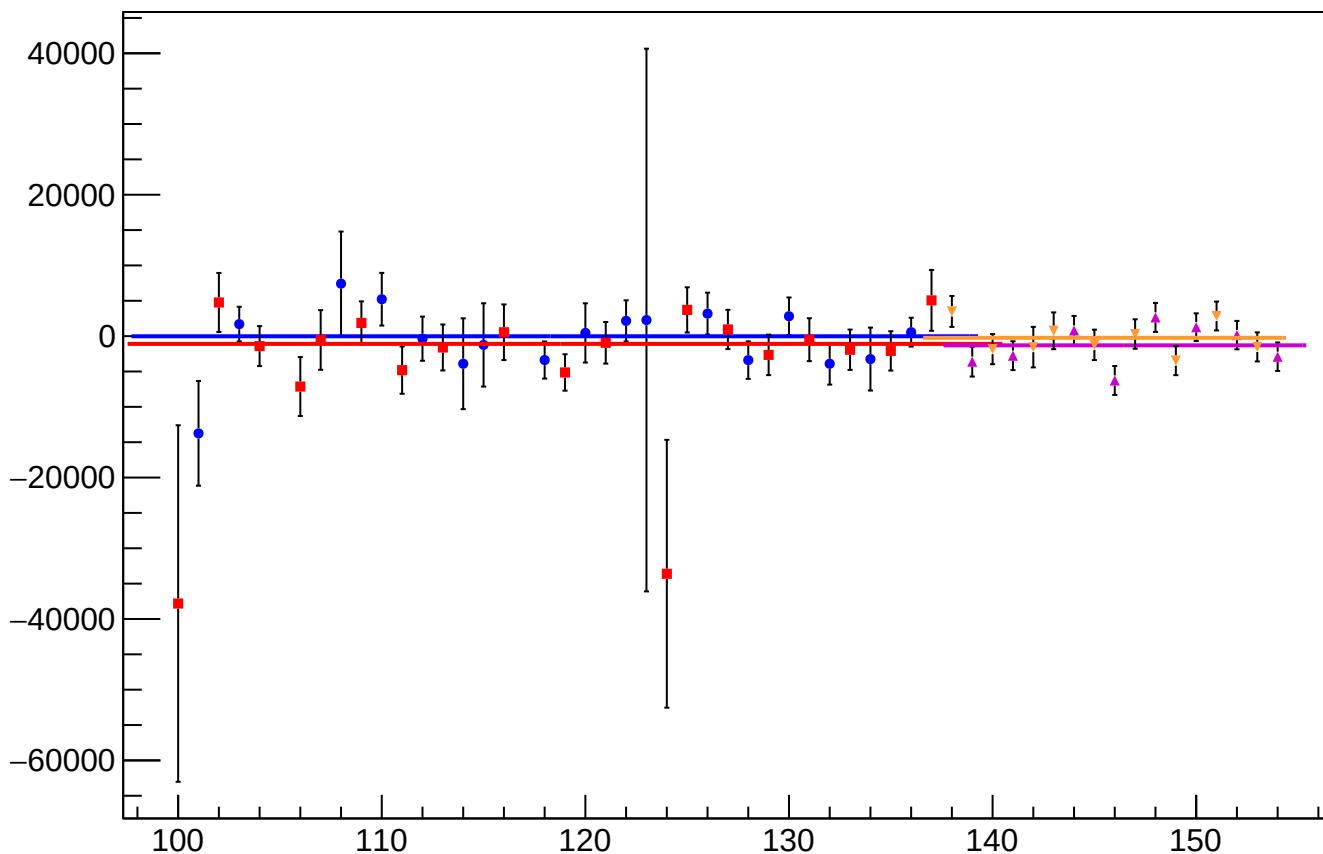
Right: 2178.816 $\pm$ 0.427 χ^2 /NDF: 1519207.5/35

In: 2085.878 $\pm$ 0.410 χ^2 /NDF:827019.6/24

Out: 2120.157 $\pm$ 0.414 χ^2 /NDF:934325.7/27

All: 2102.861 $\pm$ 0.292 χ^2 /NDF: 1764801.9/52

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -18.275 ± 801.405 χ^2/NDF : 15.8/16

Left Out: -239.012 ± 733.588 χ^2/NDF : 9.3/8

Right Out: -1095.433 ± 769.722 χ^2/NDF : 19.4/18

Left In: -1300.780 ± 718.692 χ^2/NDF : 15.3/7

Left: -780.785 ± 513.378 χ^2/NDF : 25.6/16

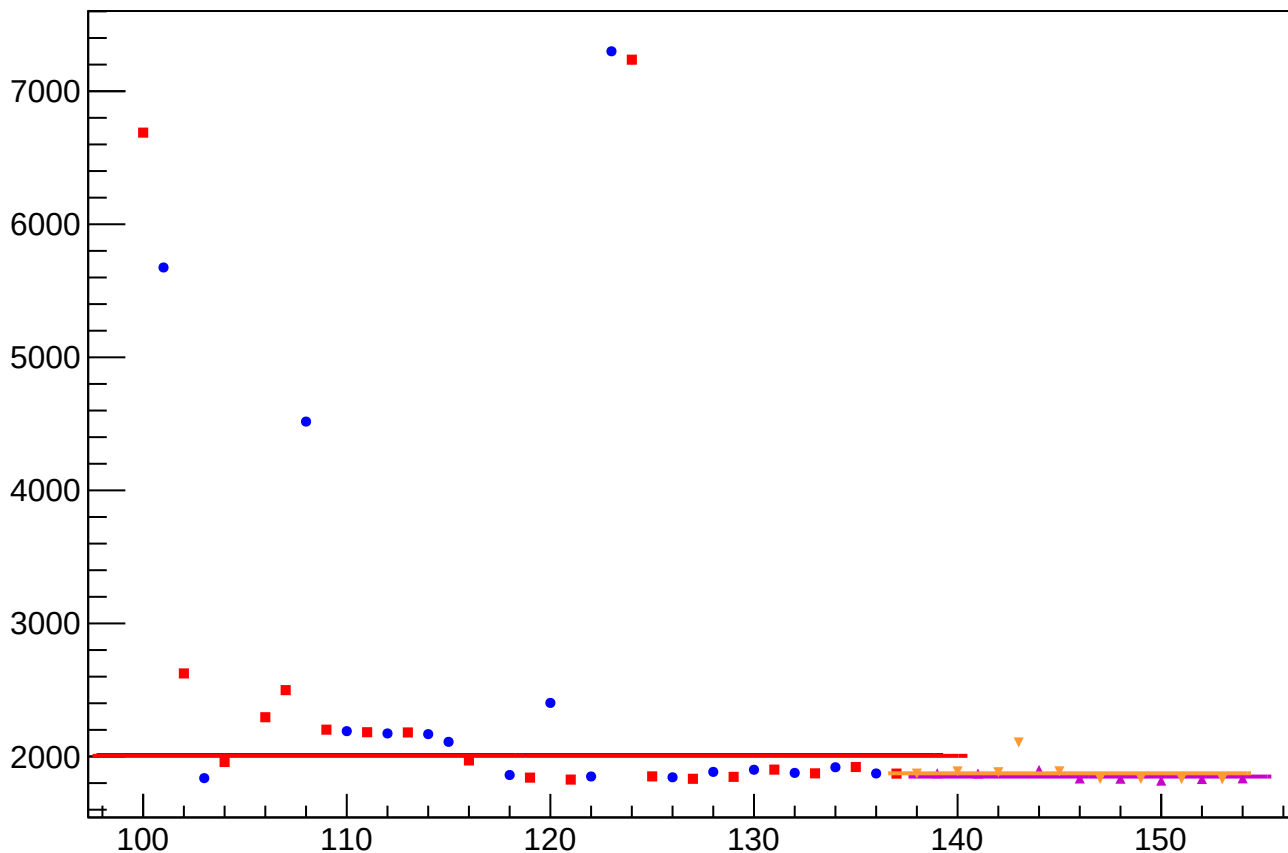
Right: -578.567 ± 555.139 χ^2/NDF : 36.2/35

In: -729.106 ± 535.053 χ^2/NDF : 32.5/24

Out: -646.649 ± 531.040 χ^2/NDF : 29.3/27

All: -687.567 ± 376.913 χ^2/NDF : 61.9/52

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2010.272+/-0.567 χ^2/NDF : 839746.7/16

Left Out: 1873.474+/-0.519 χ^2/NDF :19621.4/8

Right Out: 2004.882+/-0.544 χ^2/NDF : 367513.0/18

Left In: 1849.052+/-0.508 χ^2/NDF :2674.6/7

Left: 1861.013+/-0.363 χ^2/NDF : 23427.1/16

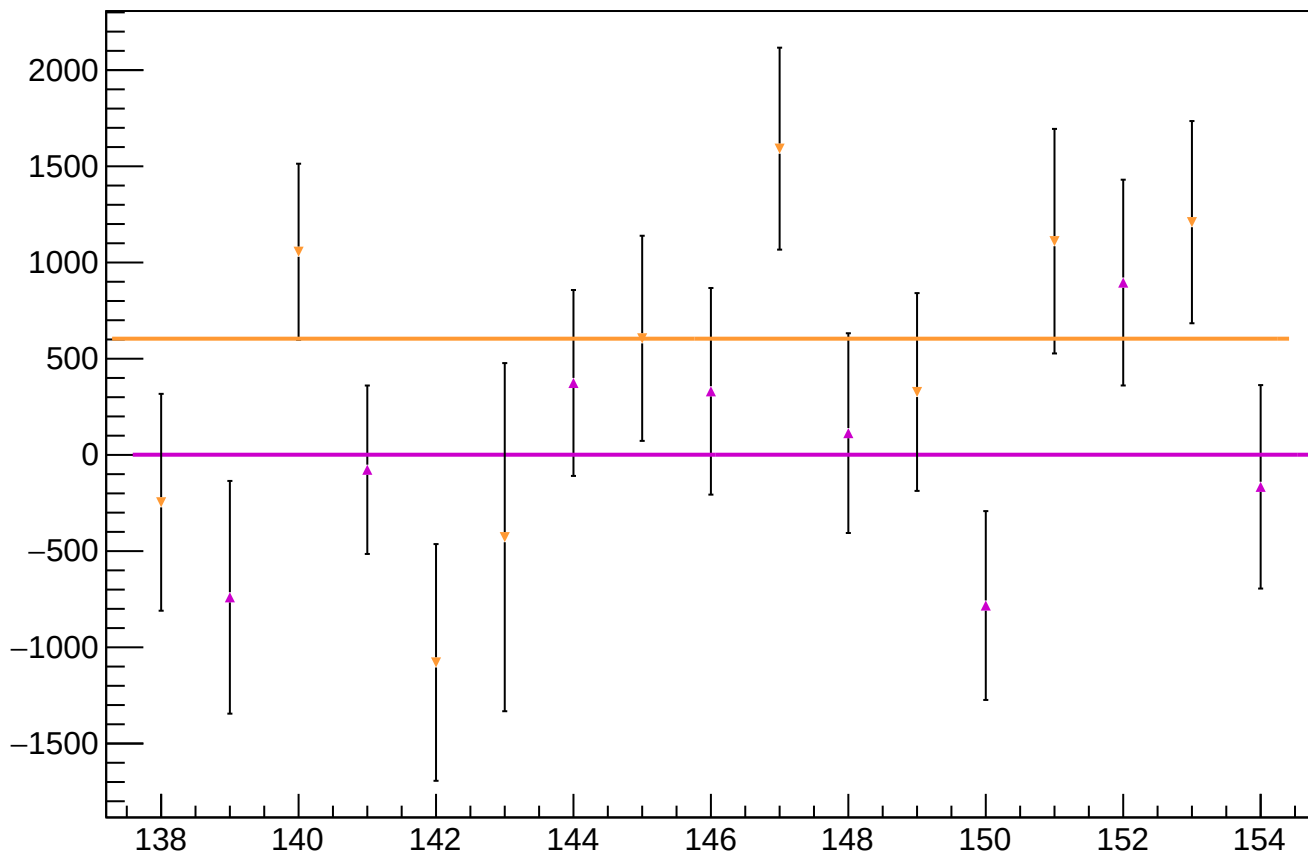
Right: 2007.469+/-0.393 χ^2/NDF : 1207306.7/35

In: 1920.916+/-0.378 χ^2/NDF :887282.5/24

Out: 1936.022+/-0.376 χ^2/NDF :417680.6/27

All: 1928.526+/-0.267 χ^2/NDF : 1305766.1/52

asym_at1_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 604.128+/-184.791 χ^2/NDF :17.9/8

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

Left In: 1.029+/-180.649 χ^2/NDF :8.0/7

Left: 295.744+/-129.178 χ^2/NDF : 31.4/16

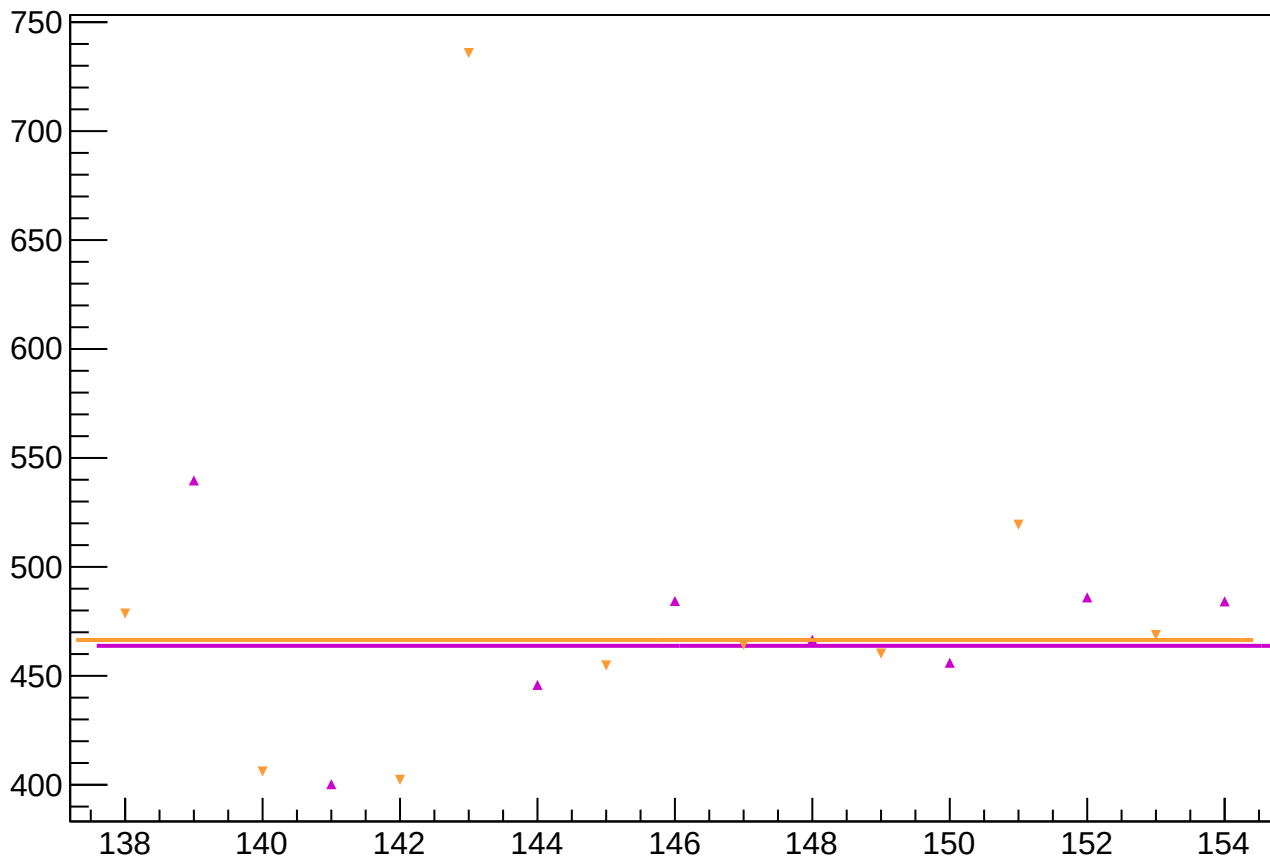
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1.029+/-180.649 χ^2/NDF :8.0/7

Out: 604.128+/-184.791 χ^2/NDF :17.9/8

All: 295.744+/-129.178 χ^2/NDF : 31.4/16

asym_at1_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 466.457+/-0.131 χ^2/NDF :252581.3/8

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

Left In: 463.782+/-0.128 χ^2/NDF :86259.1/7

Left: 465.089+/-0.091 χ^2/NDF : 339054.8/16

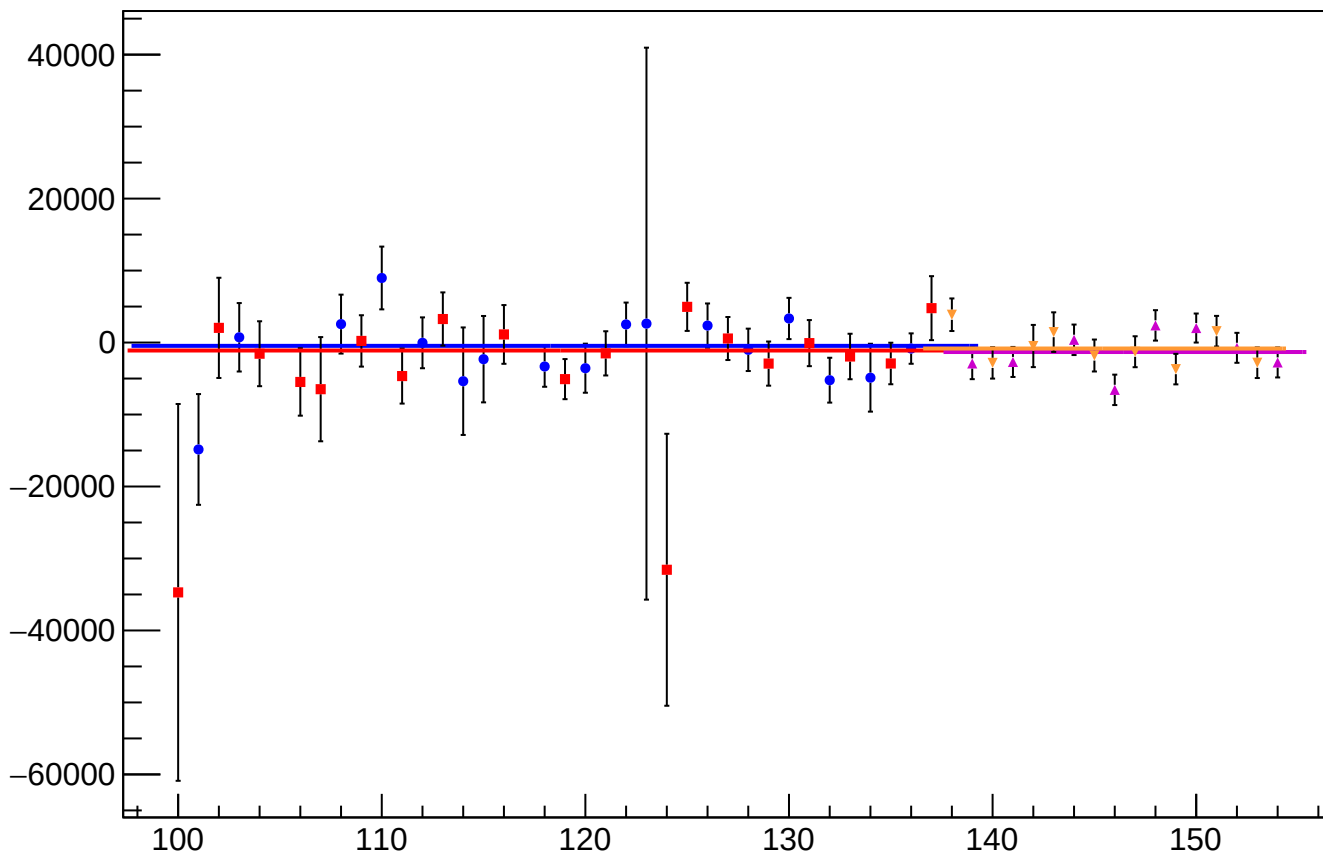
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 463.782+/-0.128 χ^2/NDF :86259.1/7

Out: 466.457+/-0.131 χ^2/NDF :252581.3/8

All: 465.089+/-0.091 χ^2/NDF : 339054.8/16

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -458.311+/-865.151 χ^2/NDF : 18.1/16

Left Out: -828.251+/-758.522 χ^2/NDF :10.0/8

Right Out: -1104.312+/-867.160 χ^2/NDF : 16.9/18

Left In: -1315.233+/-741.808 χ^2/NDF :14.1/7

Left: -1077.166+/-530.348 χ^2/NDF : 24.4/16

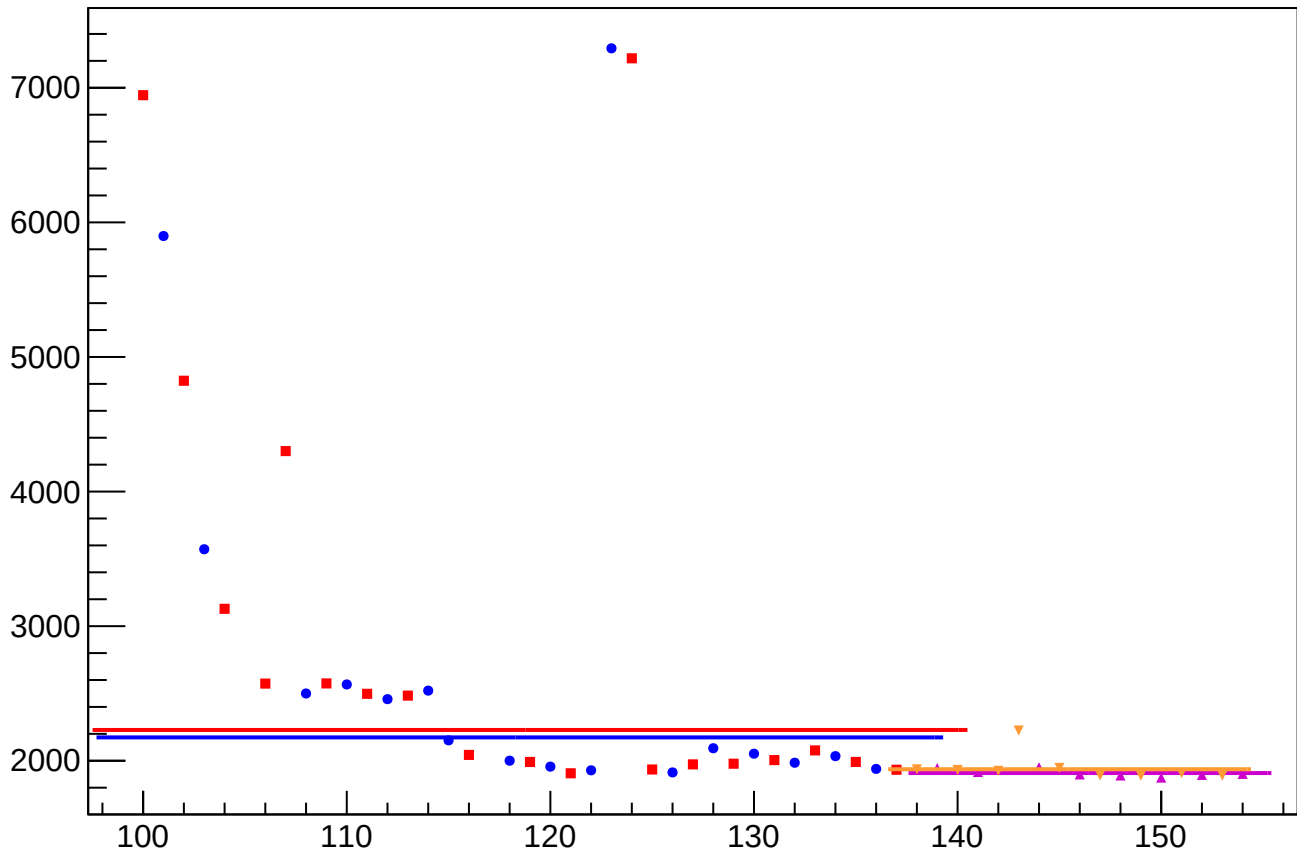
Right: -780.562+/-612.463 χ^2/NDF : 35.2/35

In: -952.160+/-563.142 χ^2/NDF :32.8/24

Out: -947.915+/-570.926 χ^2/NDF :27.0/27

All: -950.067+/-400.925 χ^2/NDF : 59.8/52

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2173.529+/-0.612 χ^2/NDF : 805360.7/16

Left Out: 1937.009+/-0.536 χ^2/NDF : 25267.9/8

Right Out: 2228.892+/-0.613 χ^2/NDF : 895863.4/18

Left In: 1908.745+/-0.525 χ^2/NDF : 2302.2/7

Left: 1922.562+/-0.375 χ^2/NDF : 28989.5/16

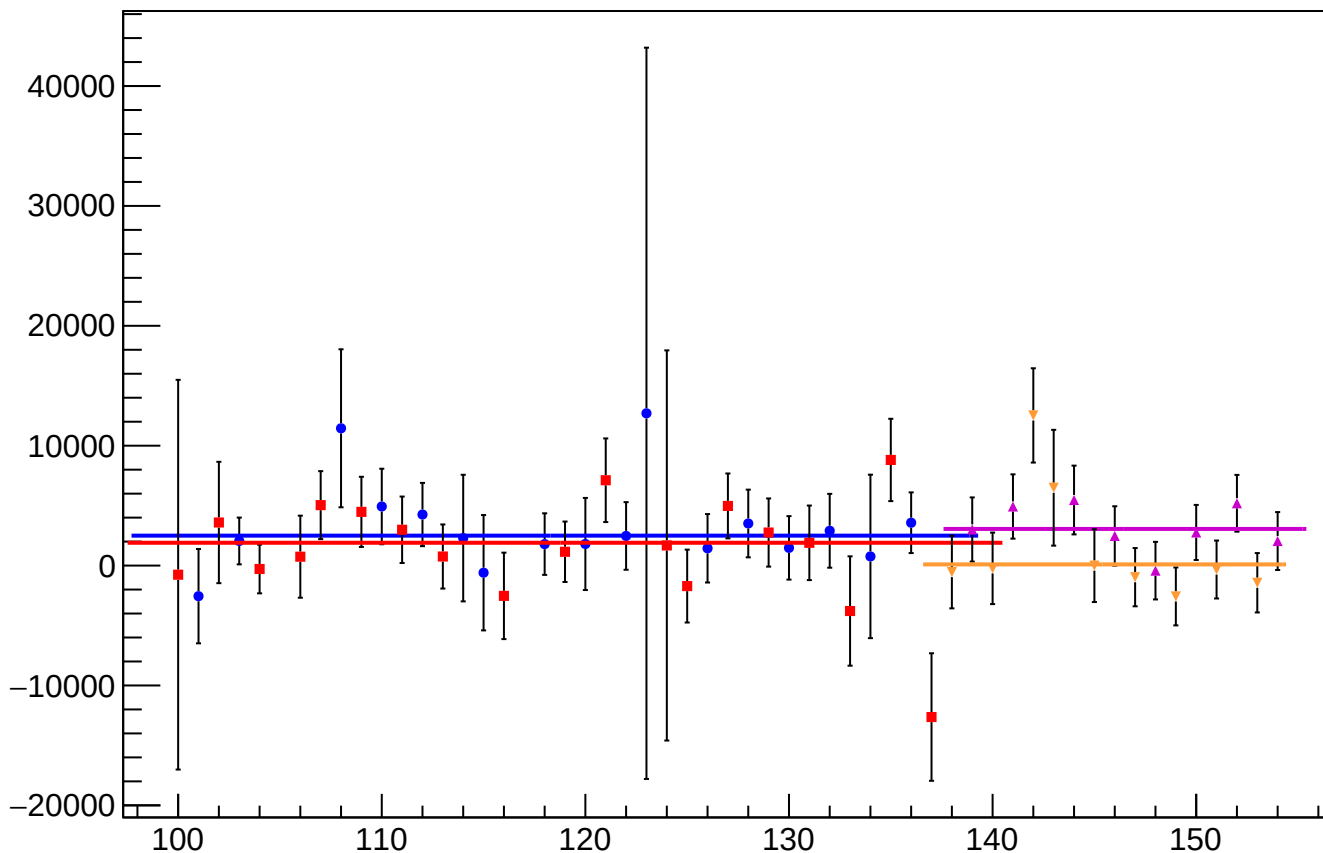
Right: 2201.146+/-0.433 χ^2/NDF : 1705309.7/35

In: 2020.932+/-0.398 χ^2/NDF : 915627.3/24

Out: 2063.532+/-0.404 χ^2/NDF : 1049504.6/27

All: 2041.940+/-0.283 χ^2/NDF : 1970775.8/52

dit_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2496.610 $\pm$ 768.295 χ^2 /NDF: 5.9/16

Left Out: 96.892 $\pm$ 948.062 χ^2 /NDF:13.6/8

Right Out: 1902.970 $\pm$ 736.793 χ^2 /NDF: 23.5/18

Left In: 3057.037 $\pm$ 885.288 χ^2 /NDF:4.4/7

Left: 1678.201 $\pm$ 647.048 χ^2 /NDF: 23.2/16

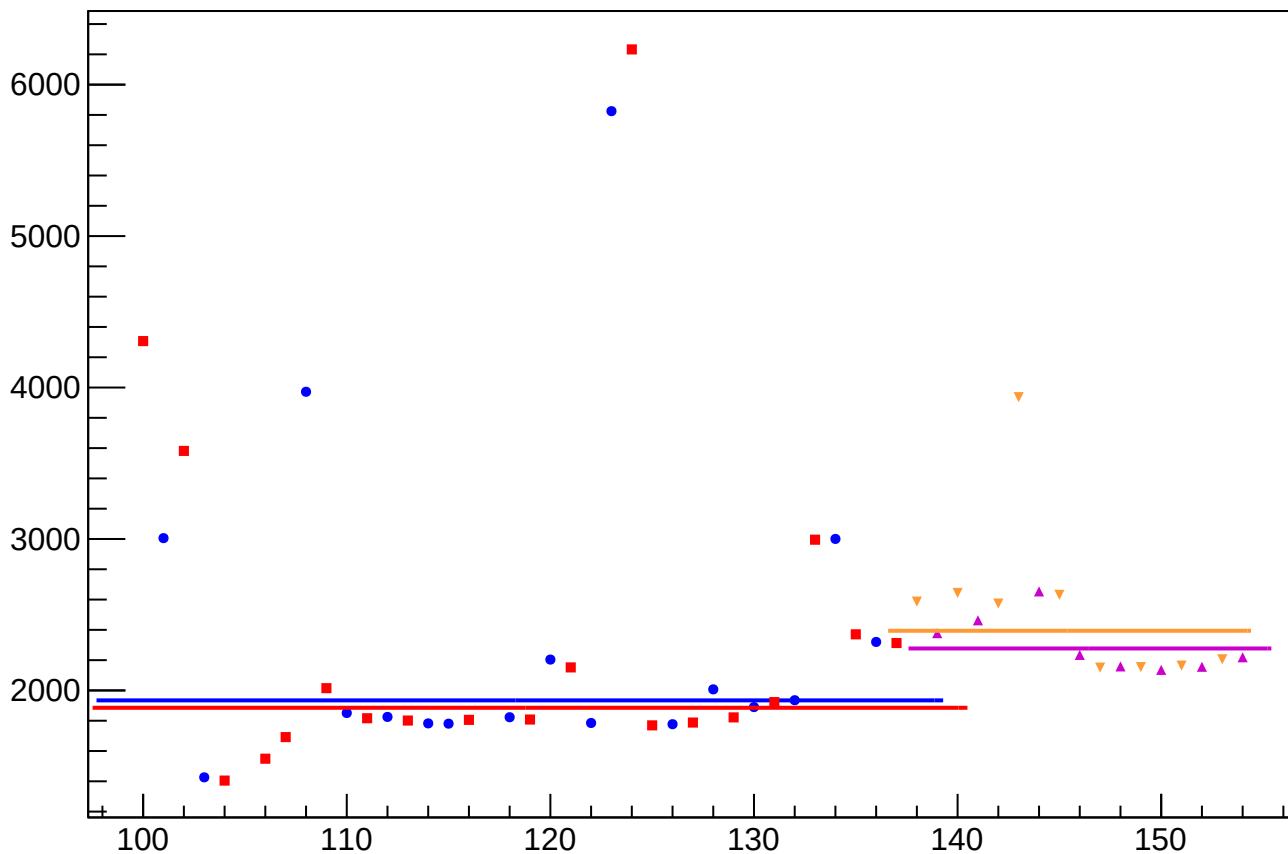
Right: 2187.370 $\pm$ 531.779 χ^2 /NDF: 29.7/35

In: 2737.370 $\pm$ 580.253 χ^2 /NDF:10.5/24

Out: 1222.895 $\pm$ 581.764 χ^2 /NDF:39.3/27

All: 1982.102 $\pm$ 410.834 χ^2 /NDF: 53.2/52

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1934.404+/-0.543 χ^2/NDF : 638920.4/16

Left Out: 2394.021+/-0.670 χ^2/NDF :311888.8/8

Right Out: 1885.547+/-0.521 χ^2/NDF : 752091.8/18

Left In: 2277.072+/-0.626 χ^2/NDF :66368.5/7

Left: 2331.547+/-0.458 χ^2/NDF : 394514.8/16

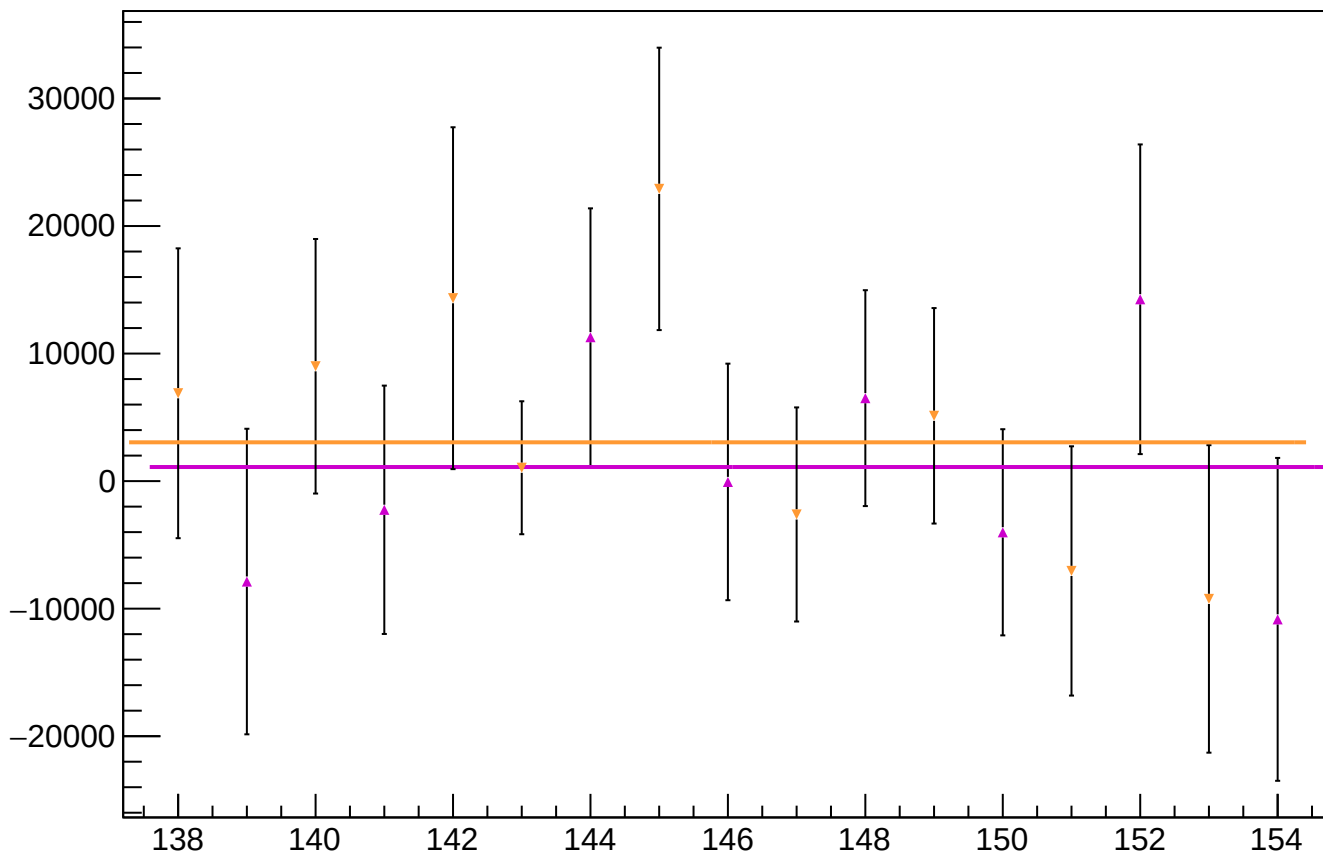
Right: 1908.949+/-0.376 χ^2/NDF : 1395226.1/35

In: 2081.614+/-0.410 χ^2/NDF :876206.2/24

Out: 2076.968+/-0.411 χ^2/NDF :1422701.8/27

All: 2079.297+/-0.290 χ^2/NDF : 2298971.9/52

asym_at2_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 3041.757+/-2963.288 χ^2/NDF : 7.2/8

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

Left In: 1104.905+/-3508.334 χ^2/NDF : 4.6/7

Left: 2235.306+/-2263.820 χ^2/NDF : 11.9/16

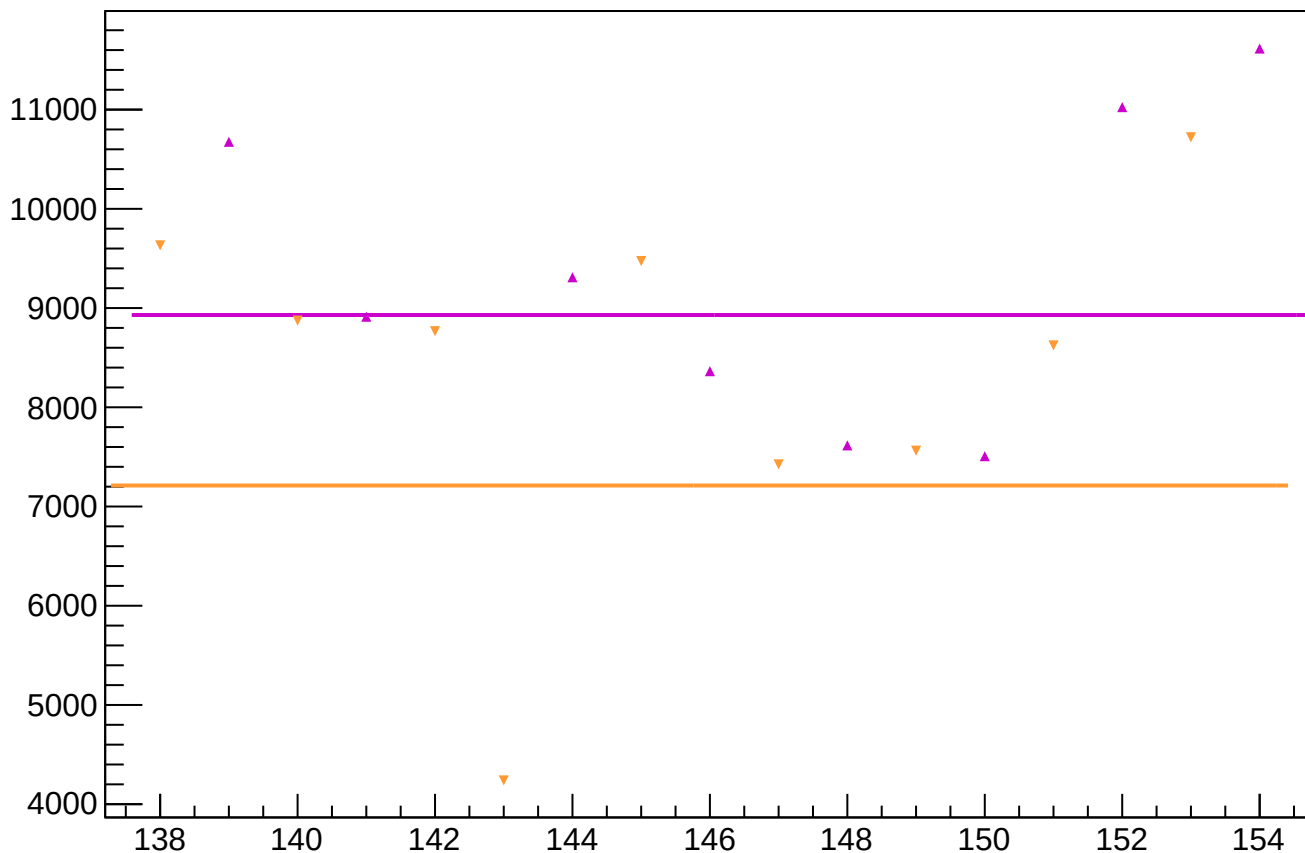
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1104.905+/-3508.334 χ^2/NDF : 4.6/7

Out: 3041.757+/-2963.288 χ^2/NDF : 7.2/8

All: 2235.306+/-2263.820 χ^2/NDF : 11.9/16

asym_at2_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 7211.826+/-2.095 χ^2/NDF :1122972.9/8

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

Left In: 8929.899+/-2.481 χ^2/NDF :312518.9/7

Left: 7927.184+/-1.601 χ^2/NDF : 1715420.3/16

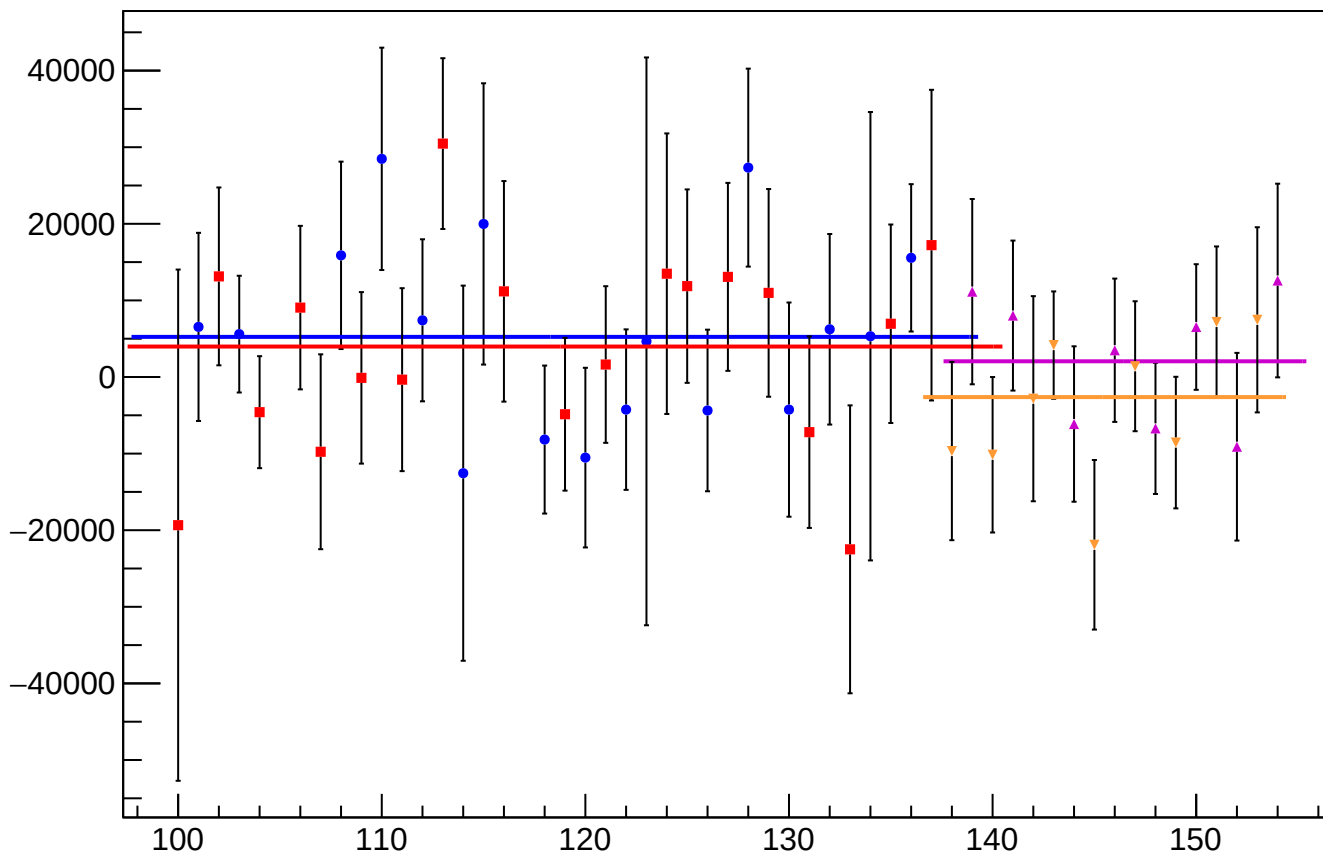
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 8929.899+/-2.481 χ^2/NDF :312518.9/7

Out: 7211.826+/-2.095 χ^2/NDF :1122972.9/8

All: 7927.184+/-1.601 χ^2/NDF : 1715420.3/16

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 5238.554 $\pm$ 2946.164 χ^2 /NDF: 14.5/16

Left Out: -2623.106 $\pm$ 3230.961 χ^2 /NDF: 7.3/8

Right Out: 3976.061 $\pm$ 2790.421 χ^2 /NDF: 15.6/18

Left In: 2051.524 $\pm$ 3538.770 χ^2 /NDF: 4.5/7

Left: -497.900 $\pm$ 2386.048 χ^2 /NDF: 12.7/16

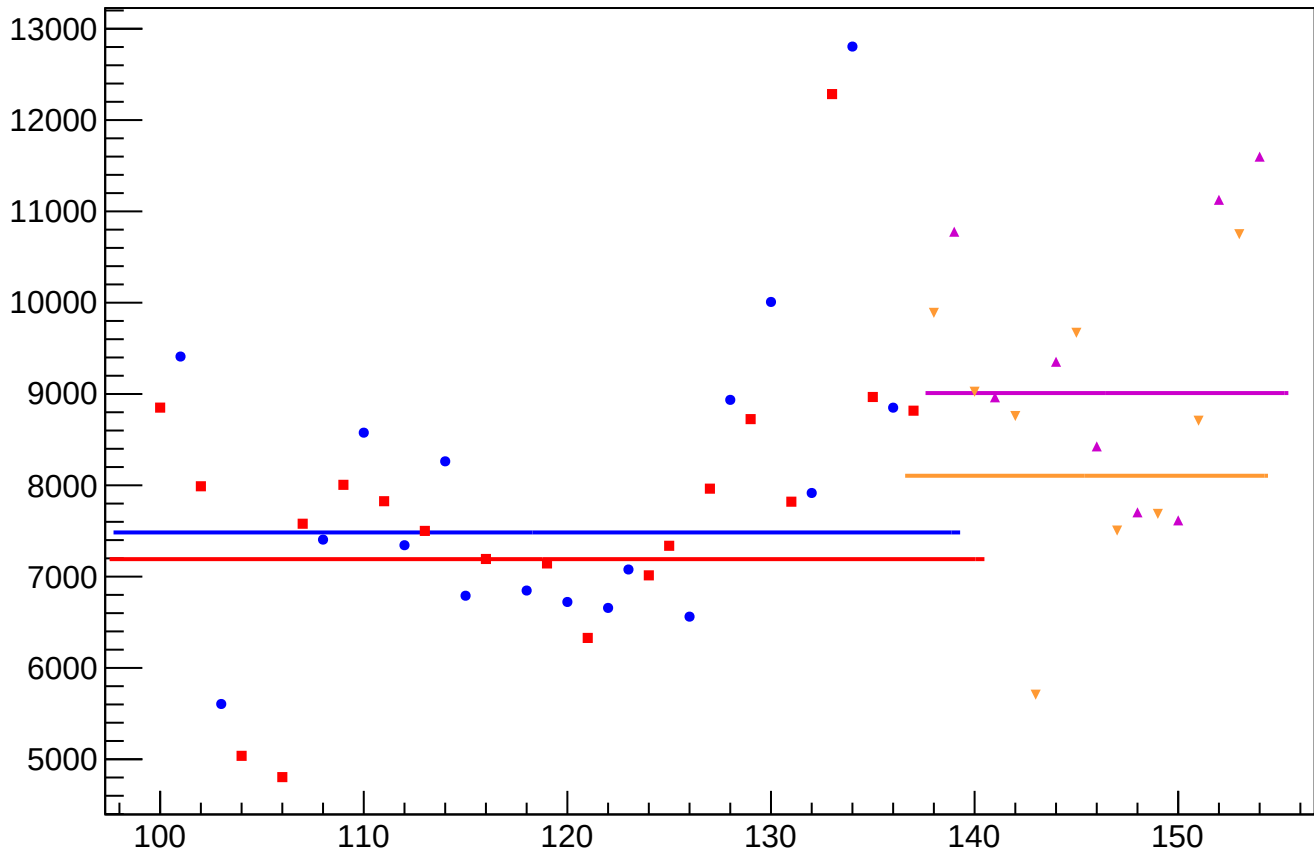
Right: 4573.057 $\pm$ 2025.948 χ^2 /NDF: 30.2/35

In: 3933.864 $\pm$ 2264.190 χ^2 /NDF: 19.4/24

Out: 1156.719 $\pm$ 2111.840 χ^2 /NDF: 25.3/27

All: 2448.724 $\pm$ 1544.350 χ^2 /NDF: 45.5/52

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7483.785+/-2.083 χ^2/NDF : 431806.2/16

Left Out: 8104.656+/-2.285 χ^2/NDF : 460528.3/8

Right Out: 7191.451+/-1.973 χ^2/NDF : 558753.1/18

Left In: 9010.276+/-2.502 χ^2/NDF : 300801.0/7

Left: 8516.374+/-1.687 χ^2/NDF : 832764.4/16

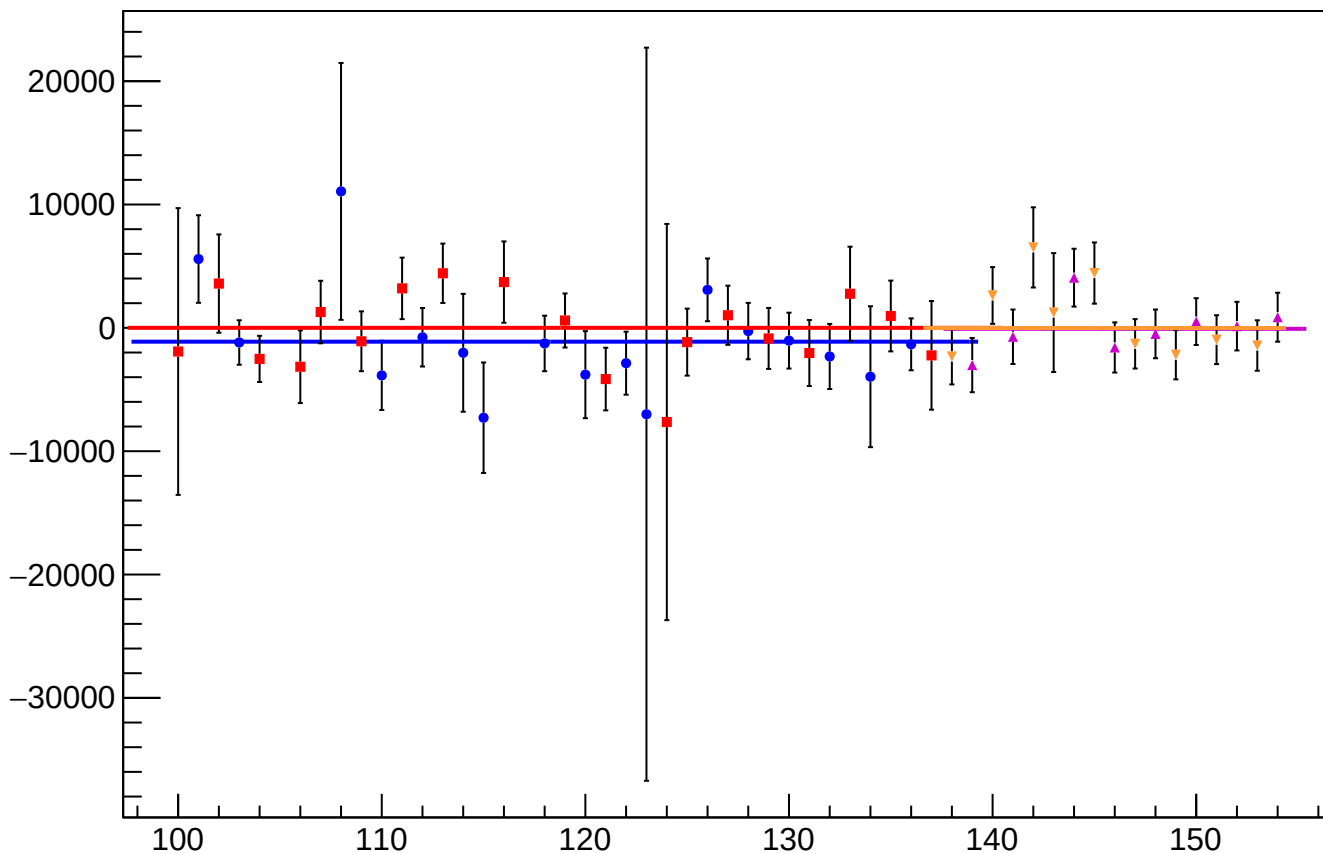
Right: 7329.673+/-1.432 χ^2/NDF : 1000940.7/35

In: 8108.673+/-1.601 χ^2/NDF : 952410.7/24

Out: 7581.540+/-1.493 χ^2/NDF : 1110805.0/27

All: 7826.762+/-1.092 χ^2/NDF : 2121192.2/52

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: -1120.496 $\pm$ 679.161 χ^2/NDF : 12.3/16

Left Out: -12.346 $\pm$ 771.935 χ^2/NDF :12.0/8

Right Out: 2.515 $\pm$ 639.678 χ^2/NDF : 15.5/18

Left In: -77.821 $\pm$ 729.285 χ^2/NDF :5.9/7

Left: -46.942 $\pm$ 530.119 χ^2/NDF : 17.9/16

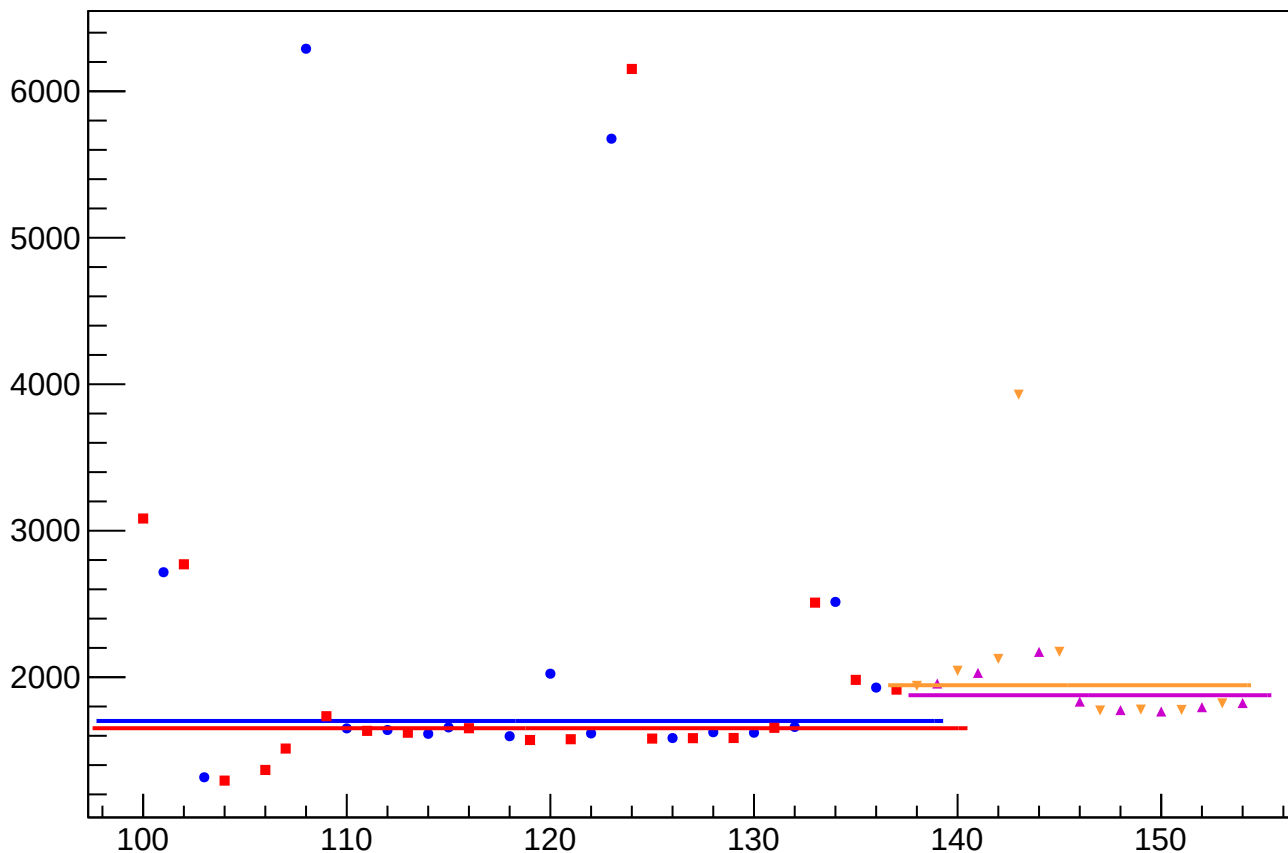
Right: -525.400 $\pm$ 465.654 χ^2/NDF : 29.2/35

In: -636.219 $\pm$ 497.016 χ^2/NDF :19.3/24

Out: -3.535 $\pm$ 492.542 χ^2/NDF :27.5/27

All: -317.017 $\pm$ 349.851 χ^2/NDF : 47.6/52

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1701.283+/-0.480 χ^2/NDF : 778718.7/16

Left Out: 1945.189+/-0.546 χ^2/NDF : 415764.8/8

Right Out: 1651.734+/-0.452 χ^2/NDF : 588842.2/18

Left In: 1876.939+/-0.516 χ^2/NDF : 61906.6/7

Left: 1909.127+/-0.375 χ^2/NDF : 485932.1/16

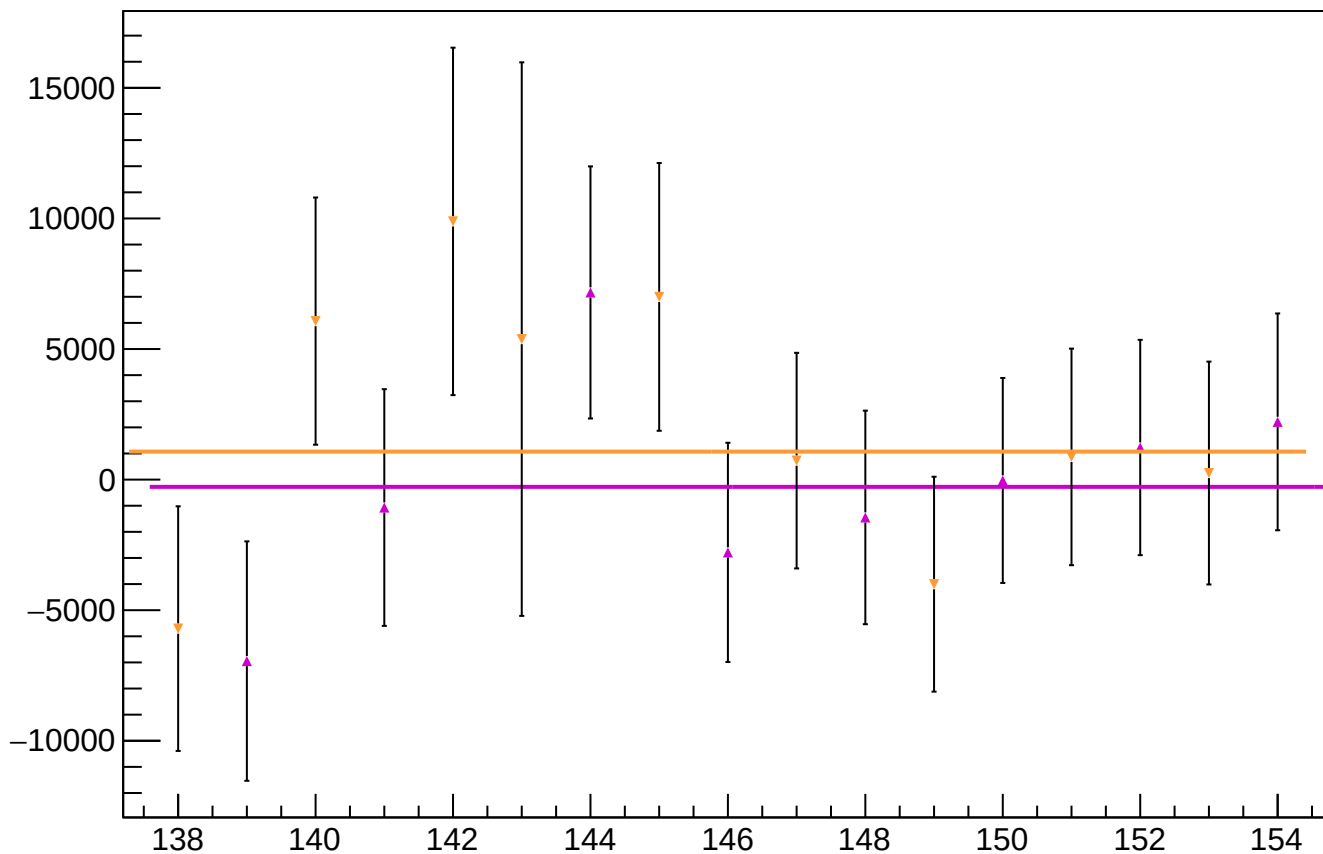
Right: 1675.026+/-0.329 χ^2/NDF : 1373201.9/35

In: 1782.868+/-0.351 χ^2/NDF : 902763.7/24

Out: 1771.206+/-0.348 χ^2/NDF : 1175970.1/27

All: 1776.984+/-0.247 χ^2/NDF : 2079289.3/52

asym_at2_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 1072.223+/-1600.012 χ^2/NDF :8.0/8

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

Left In: -277.171+/-1511.665 χ^2/NDF :5.5/7

Left: 359.245+/-1098.814 χ^2/NDF : 13.9/16

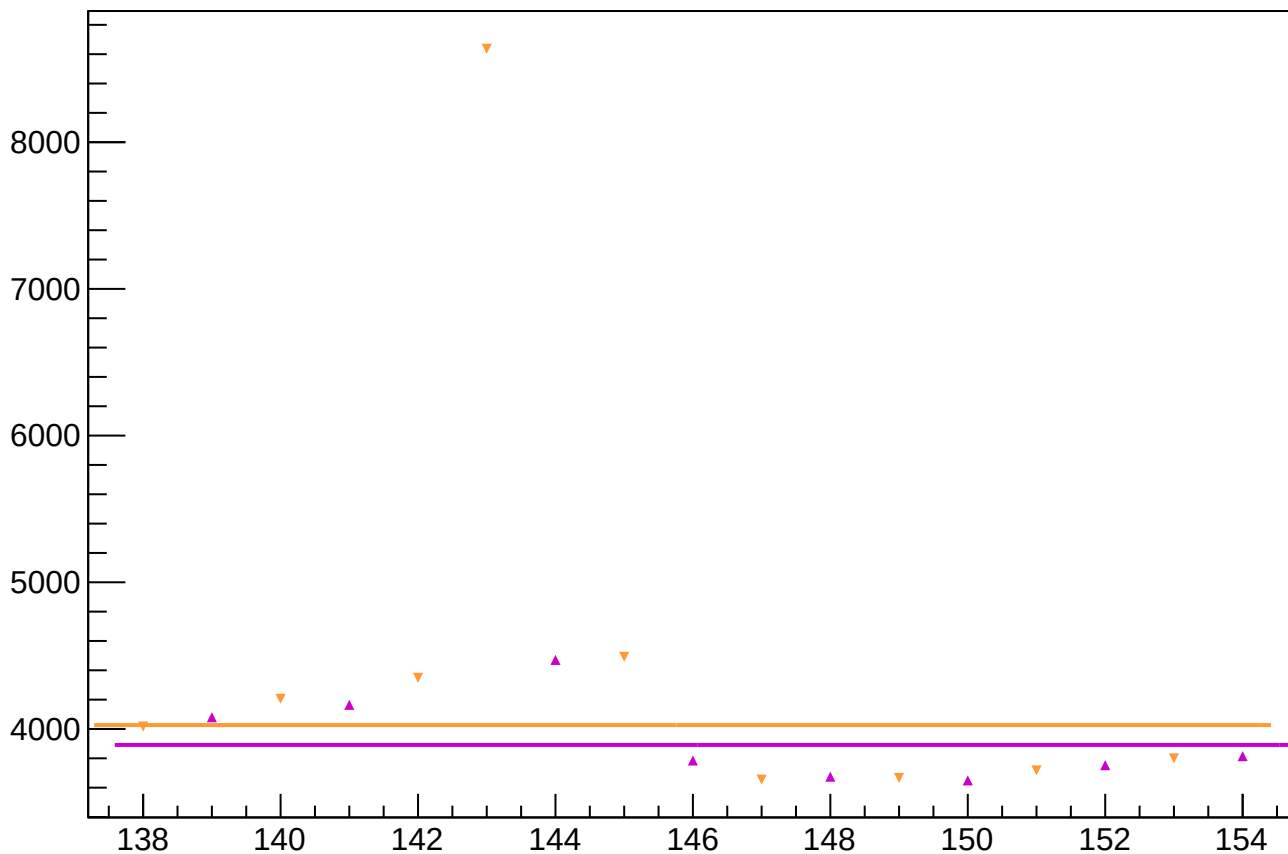
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -277.171+/-1511.665 χ^2/NDF :5.5/7

Out: 1072.223+/-1600.012 χ^2/NDF :8.0/8

All: 359.245+/-1098.814 χ^2/NDF : 13.9/16

asym_at2_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 4026.539+/-1.131 χ^2/NDF :450882.3/8

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

Left In: 3891.242+/-1.069 χ^2/NDF :56884.8/7

Left: 3955.052+/-0.777 χ^2/NDF : 515323.3/16

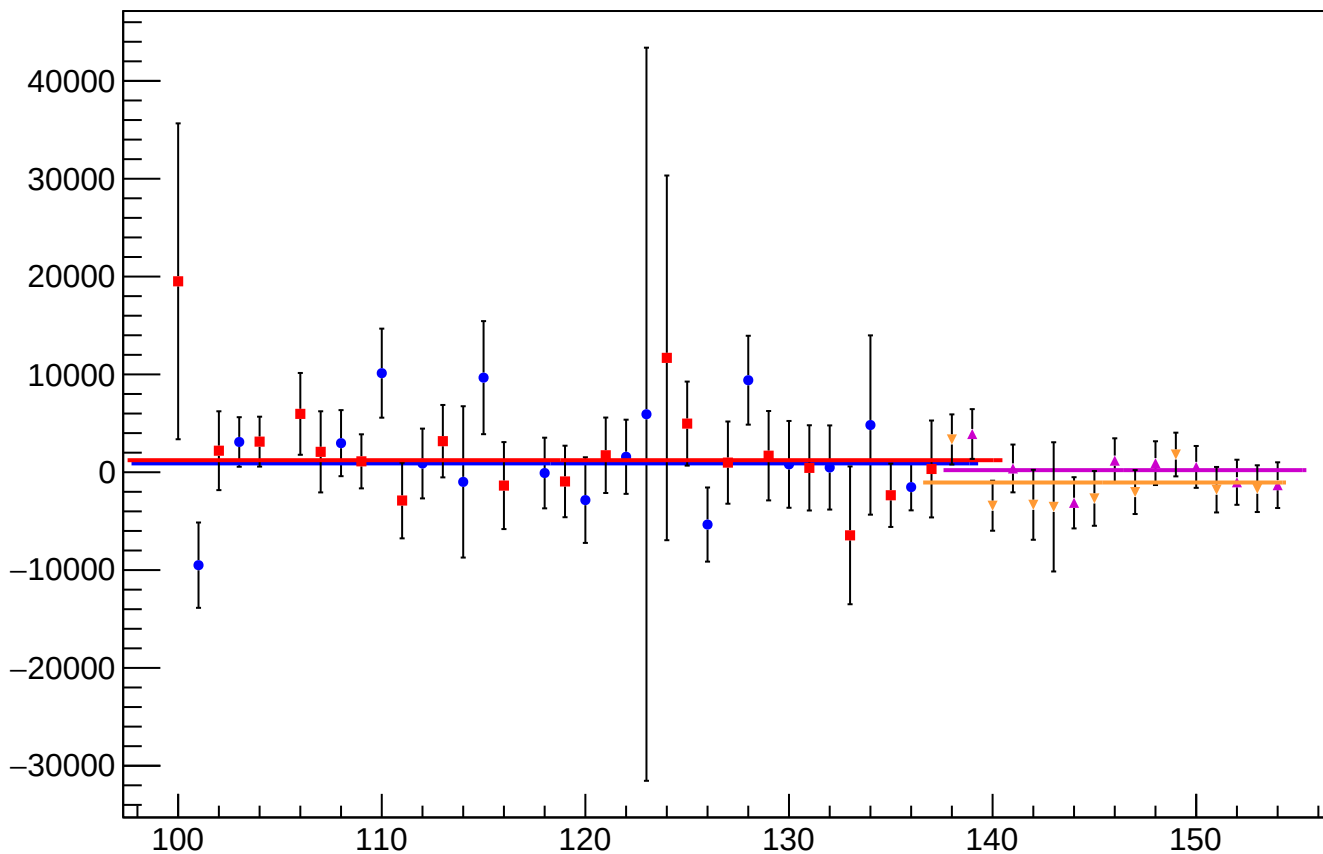
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 3891.242+/-1.069 χ^2/NDF :56884.8/7

Out: 4026.539+/-1.131 χ^2/NDF :450882.3/8

All: 3955.052+/-0.777 χ^2/NDF : 515323.3/16

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 903.274 $\pm$ 961.918 χ^2 /NDF: 21.6/16

Left Out: -1049.306 $\pm$ 879.229 χ^2 /NDF:6.7/8

Right Out: 1231.015 $\pm$ 925.029 χ^2 /NDF: 8.9/18

Left In: 214.654 $\pm$ 830.545 χ^2 /NDF:4.8/7

Left: -381.366 $\pm$ 603.762 χ^2 /NDF: 12.6/16

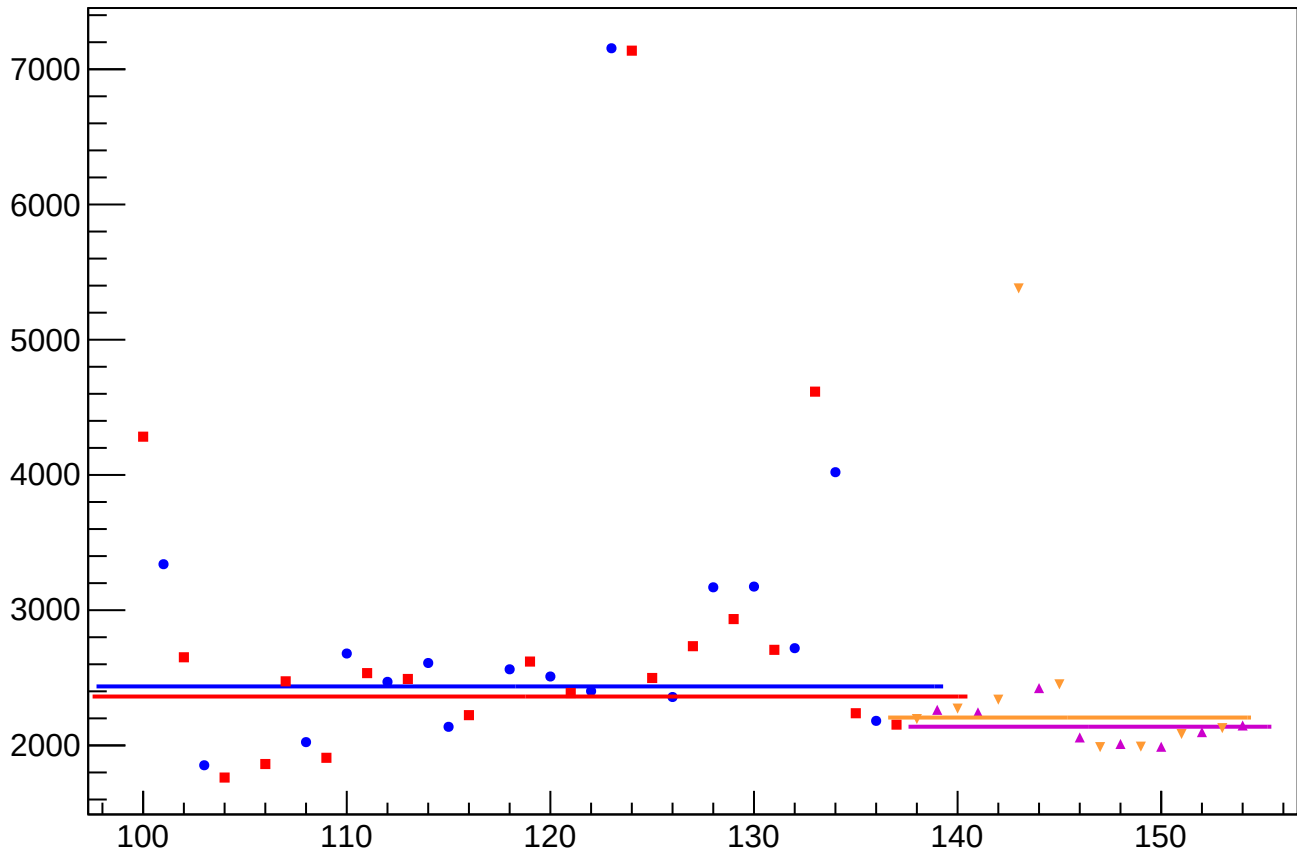
Right: 1073.549 $\pm$ 666.754 χ^2 /NDF: 30.6/35

In: 508.764 $\pm$ 628.641 χ^2 /NDF:26.7/24

Out: 33.006 $\pm$ 637.285 χ^2 /NDF:18.8/27

All: 274.133 $\pm$ 447.541 χ^2 /NDF: 45.7/52

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2436.256+/-0.680 χ^2/NDF : 468552.3/16

Left Out: 2206.134+/-0.622 χ^2/NDF : 526609.8/8

Right Out: 2361.558+/-0.654 χ^2/NDF : 655845.9/18

Left In: 2138.278+/-0.587 χ^2/NDF : 51548.3/7

Left: 2170.275+/-0.427 χ^2/NDF : 584453.2/16

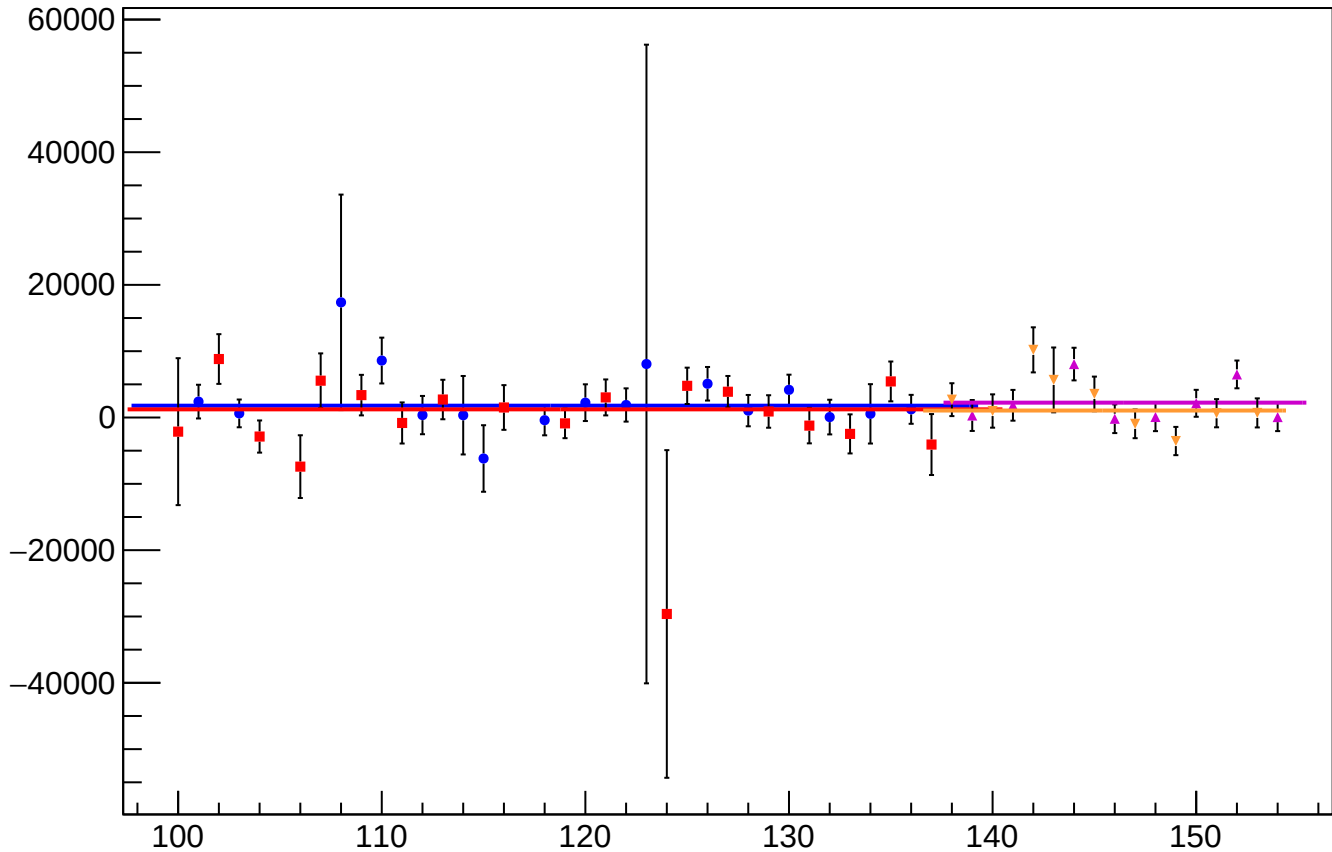
Right: 2397.448+/-0.471 χ^2/NDF : 1130664.2/35

In: 2265.545+/-0.445 χ^2/NDF : 630052.5/24

Out: 2279.903+/-0.451 χ^2/NDF : 1212119.5/27

All: 2272.626+/-0.316 χ^2/NDF : 1842686.5/52

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1783.505 $\pm$ 694.403 χ^2/NDF : 12.4/16

Left Out: 1055.294 $\pm$ 827.764 χ^2/NDF : 15.1/8

Right Out: 1229.293 $\pm$ 708.144 χ^2/NDF : 24.2/18

Left In: 2241.585 $\pm$ 775.618 χ^2/NDF : 13.8/7

Left: 1686.979 $\pm$ 565.982 χ^2/NDF : 30.0/16

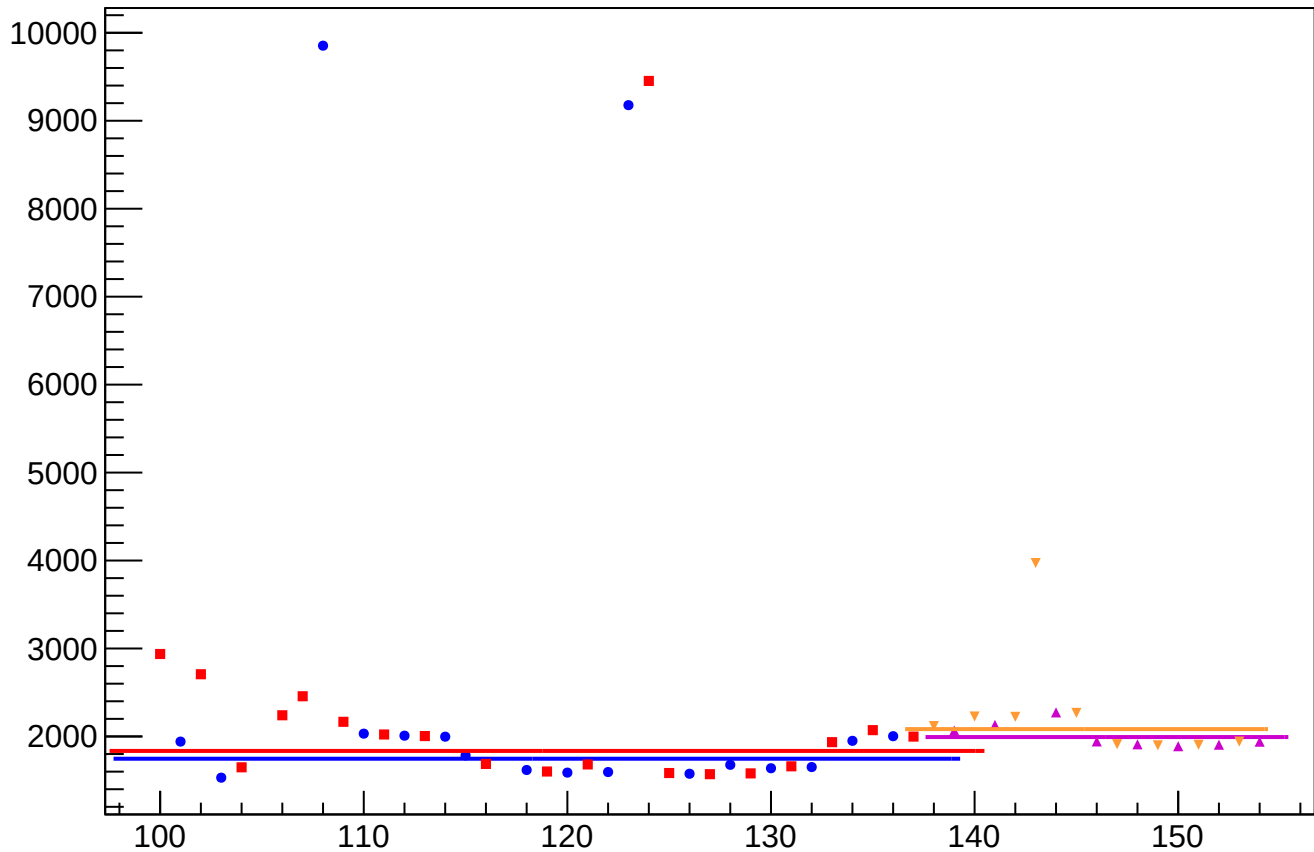
Right: 1511.828 $\pm$ 495.804 χ^2/NDF : 37.0/35

In: 1987.314 $\pm$ 517.356 χ^2/NDF : 26.4/24

Out: 1155.763 $\pm$ 538.102 χ^2/NDF : 39.3/27

All: 1587.878 $\pm$ 372.945 χ^2/NDF : 67.0/52

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1746.836+/-0.491 χ^2/NDF : 682484.5/16

Left Out: 2083.644+/-0.585 χ^2/NDF : 368502.9/8

Right Out: 1835.413+/-0.500 χ^2/NDF : 550402.9/18

Left In: 1993.244+/-0.548 χ^2/NDF : 49057.4/7

Left: 2035.507+/-0.400 χ^2/NDF : 430261.8/16

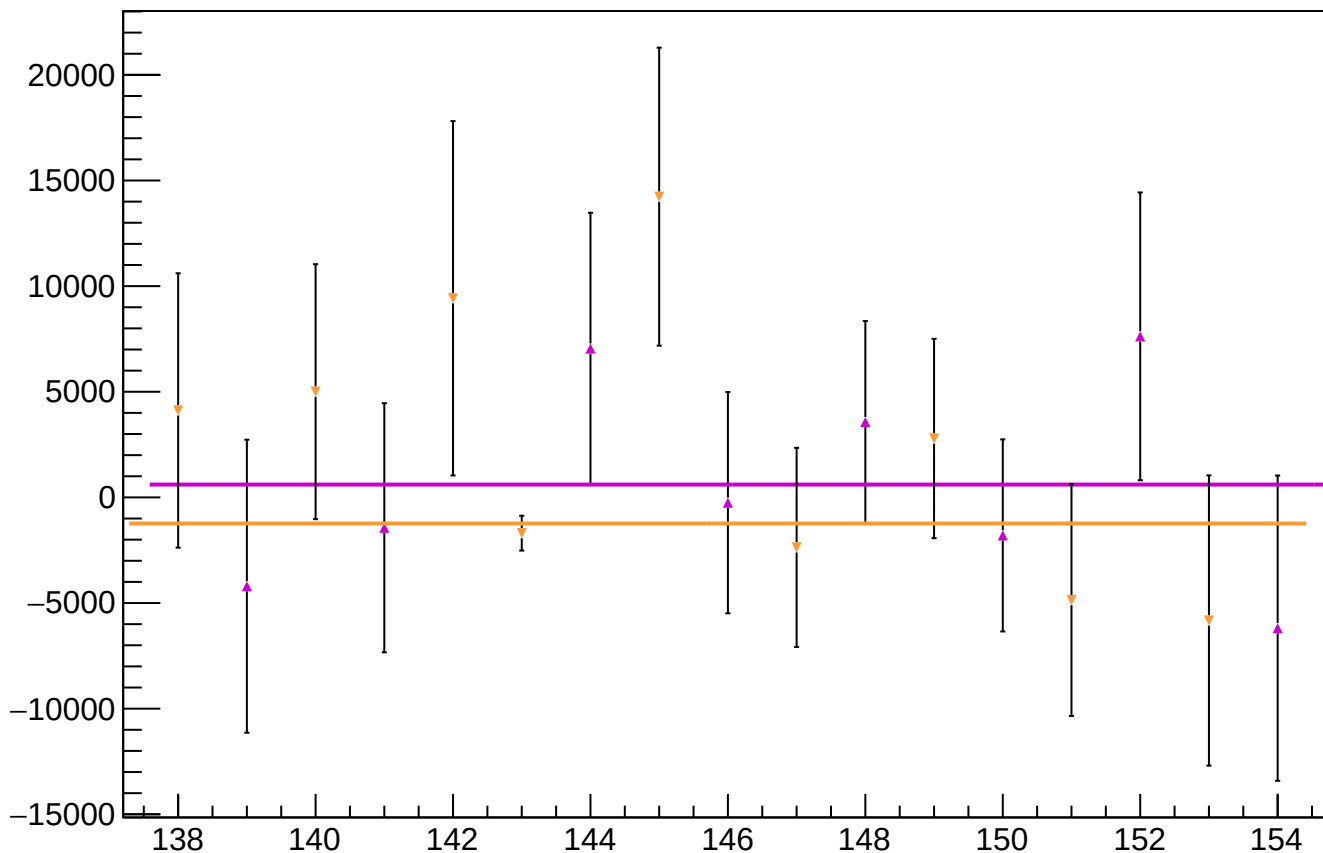
Right: 1790.310+/-0.350 χ^2/NDF : 1248859.1/35

In: 1856.468+/-0.366 χ^2/NDF : 843588.7/24

Out: 1940.167+/-0.380 χ^2/NDF : 1022862.5/27

All: 1896.702+/-0.264 χ^2/NDF : 1891614.1/52

asym_atl_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1235.184+/-766.621 χ^2/NDF :10.2/8

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

Left In: 607.086+/-2027.924 χ^2/NDF :4.2/7

Left: -1004.828+/-717.092 χ^2/NDF : 15.1/16

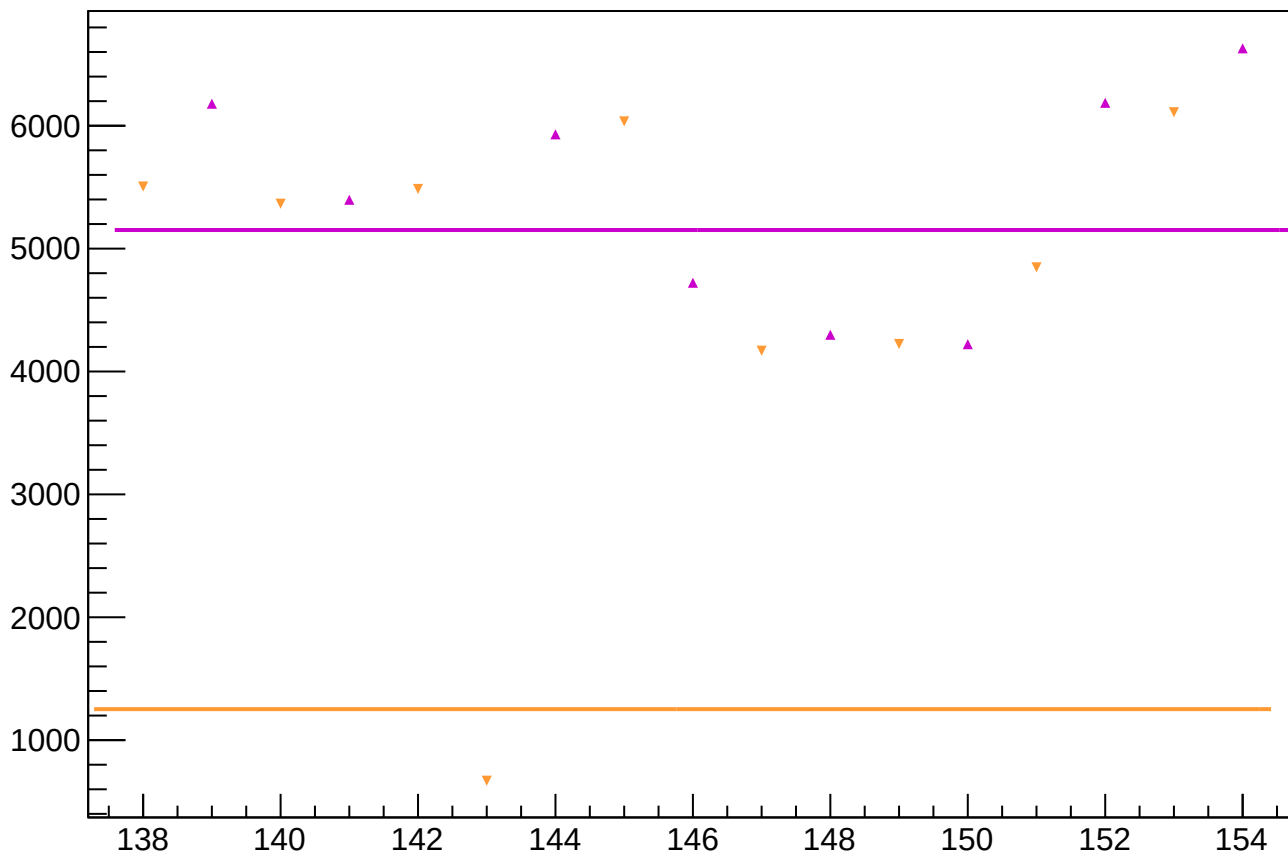
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 607.086+/-2027.924 χ^2/NDF :4.2/7

Out: -1235.184+/-766.621 χ^2/NDF :10.2/8

All: -1004.828+/-717.092 χ^2/NDF : 15.1/16

asym_atl_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1252.256+/-0.542 χ^2/NDF : 7633565.0/8

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

Left In: 5151.407+/-1.434 χ^2/NDF : 367420.1/7

Left: 1739.804+/-0.507 χ^2/NDF : 14470254.8/16

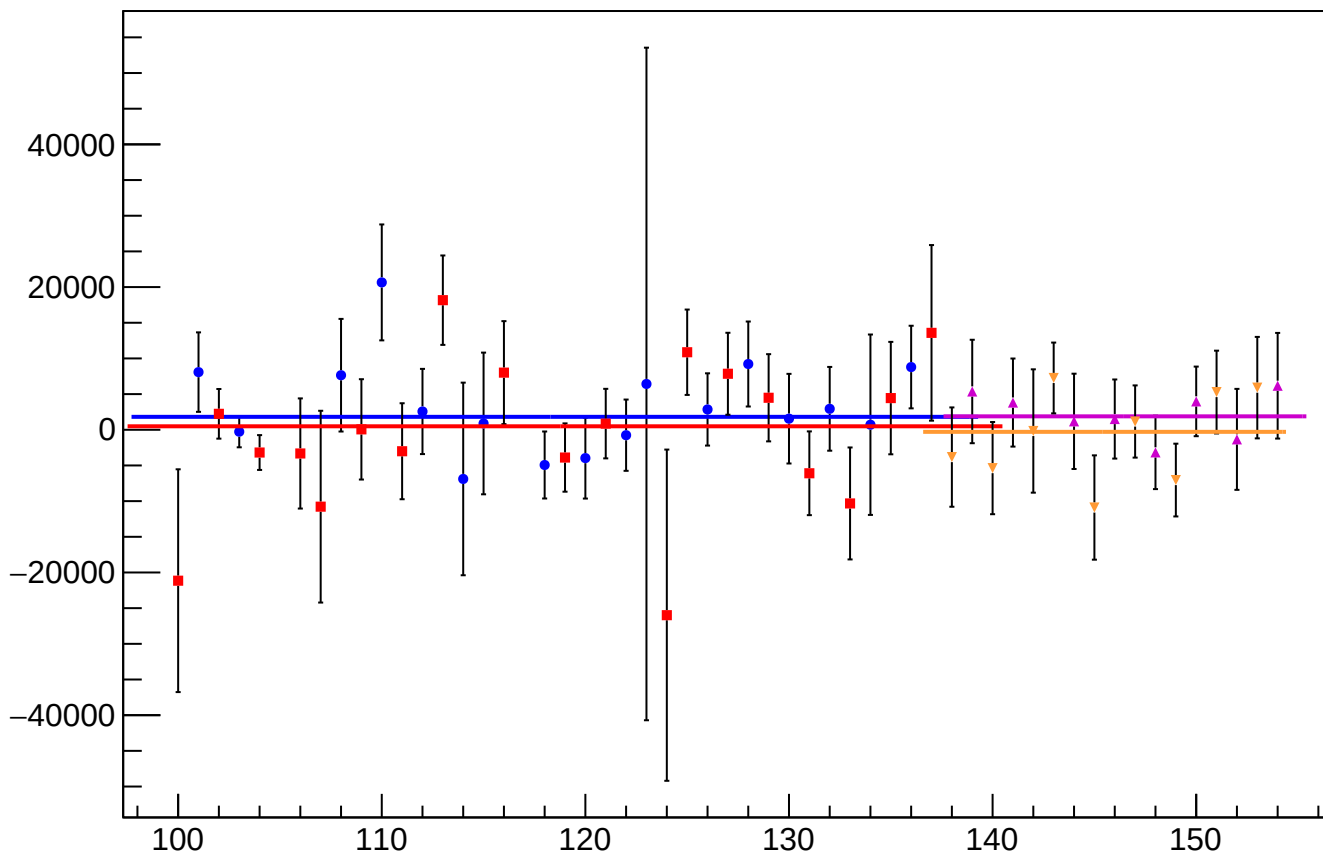
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 5151.407+/-1.434 χ^2/NDF : 367420.1/7

Out: 1252.256+/-0.542 χ^2/NDF : 7633565.0/8

All: 1739.804+/-0.507 χ^2/NDF : 14470254.8/16

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1814.267+/-1301.312 χ^2/NDF : 15.0/16

Left Out: -289.171+/-2022.982 χ^2/NDF : 8.8/8

Right Out: 488.360+/-1286.073 χ^2/NDF : 26.5/18

Left In: 1884.101+/-2140.474 χ^2/NDF : 2.0/7

Left: 736.184+/-1470.247 χ^2/NDF : 11.4/16

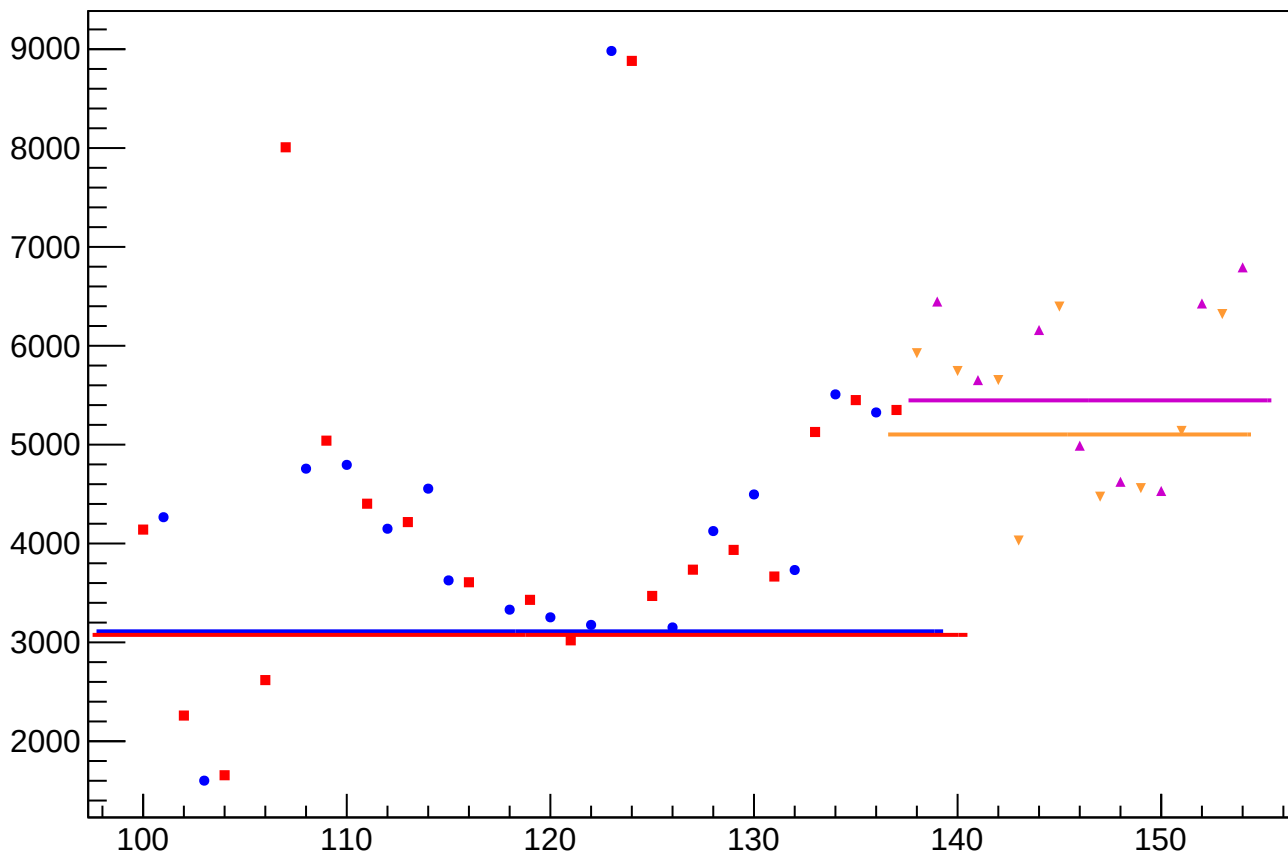
Right: 1143.505+/-914.731 χ^2/NDF : 42.0/35

In: 1833.113+/-1111.944 χ^2/NDF : 17.0/24

Out: 264.565+/-1085.321 χ^2/NDF : 35.4/27

All: 1029.836+/-776.680 χ^2/NDF : 53.5/52

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3111.560+/-0.920 χ^2/NDF : 1878991.5/16

Left Out: 5102.886+/-1.430 χ^2/NDF : 324260.9/8

Right Out: 3075.800+/-0.896 χ^2/NDF : 2009557.4/18

Left In: 5447.716+/-1.514 χ^2/NDF : 302859.8/7

Left: 5265.578+/-1.040 χ^2/NDF : 654537.4/16

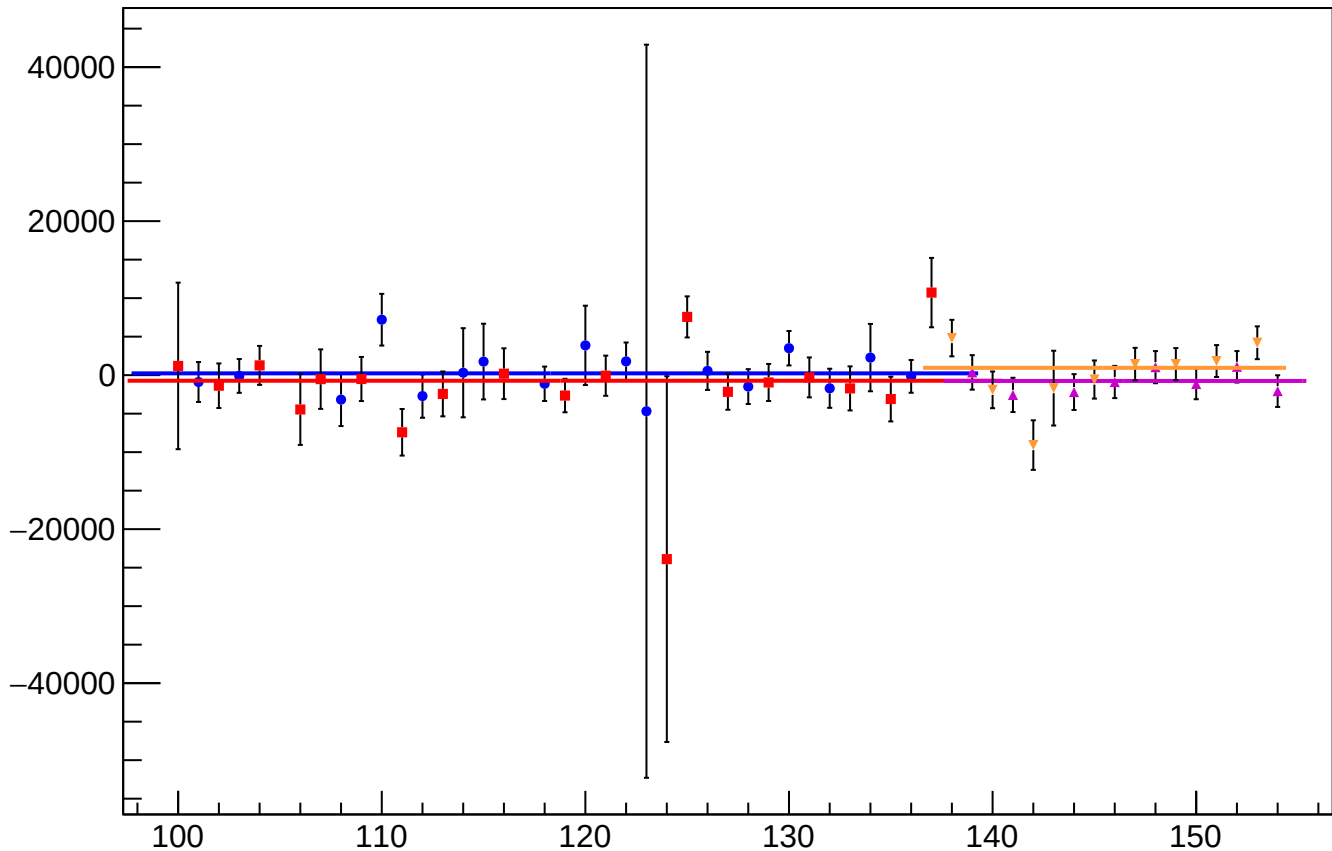
Right: 3093.209+/-0.642 χ^2/NDF : 3889323.9/35

In: 3742.001+/-0.786 χ^2/NDF : 3921326.5/24

Out: 3647.211+/-0.759 χ^2/NDF : 3775875.8/27

All: 3692.964+/-0.546 χ^2/NDF : 7704721.3/52

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 232.323+/-686.786 χ^2/NDF : 11.5/16

Left Out: 949.945+/-799.619 χ^2/NDF :17.1/8

Right Out: -726.169+/-684.175 χ^2/NDF : 25.8/18

Left In: -754.818+/-750.789 χ^2/NDF :3.3/7

Left: 43.926+/-547.337 χ^2/NDF : 22.8/16

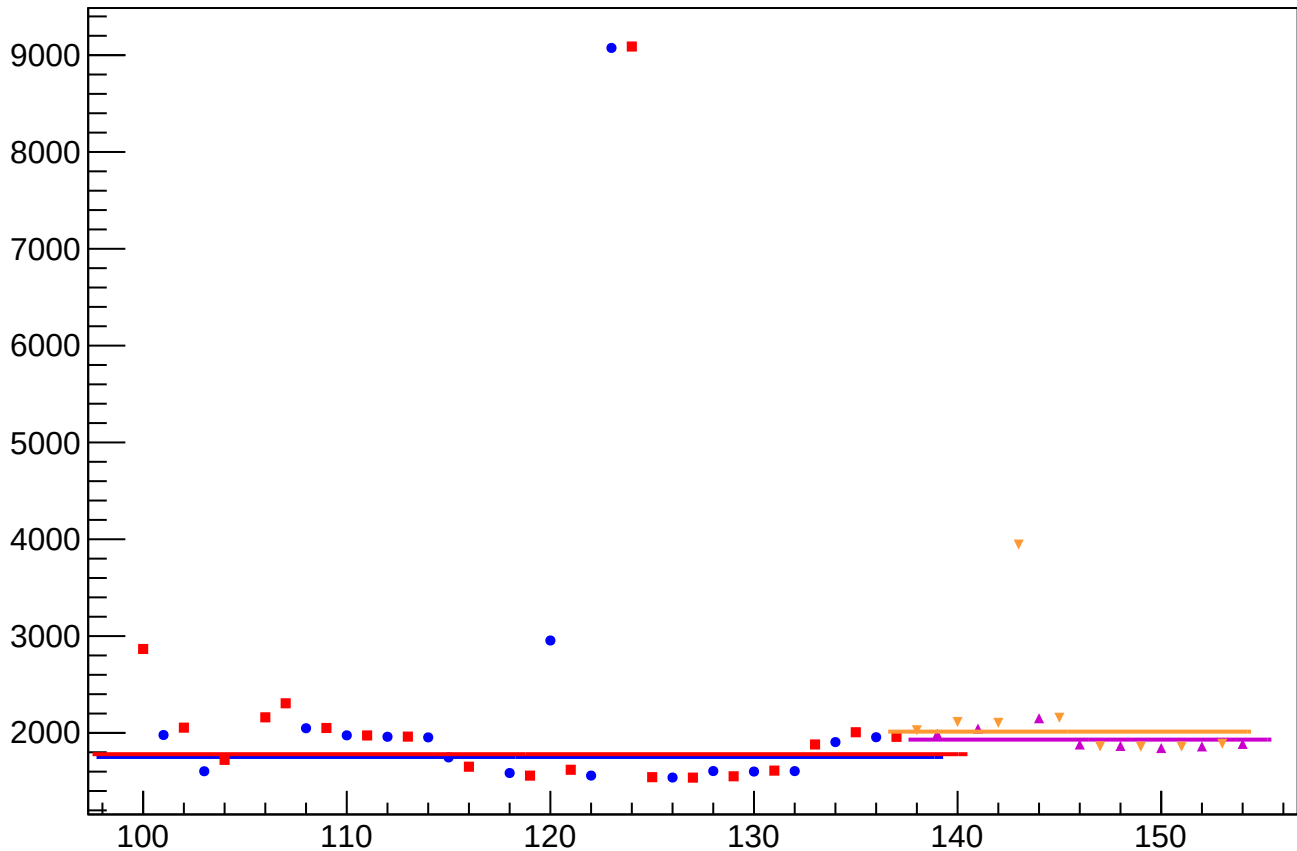
Right: -248.748+/-484.705 χ^2/NDF : 38.3/35

In: -217.385+/-506.750 χ^2/NDF :15.8/24

Out: -17.734+/-519.854 χ^2/NDF :45.4/27

All: -120.108+/-362.871 χ^2/NDF : 61.3/52

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1751.850+/-0.486 χ^2/NDF : 300898.3/16

Left Out: 2013.328+/-0.565 χ^2/NDF : 367892.2/8

Right Out: 1780.209+/-0.483 χ^2/NDF : 428327.5/18

Left In: 1930.774+/-0.531 χ^2/NDF : 34901.4/7

Left: 1969.454+/-0.387 χ^2/NDF : 414123.2/16

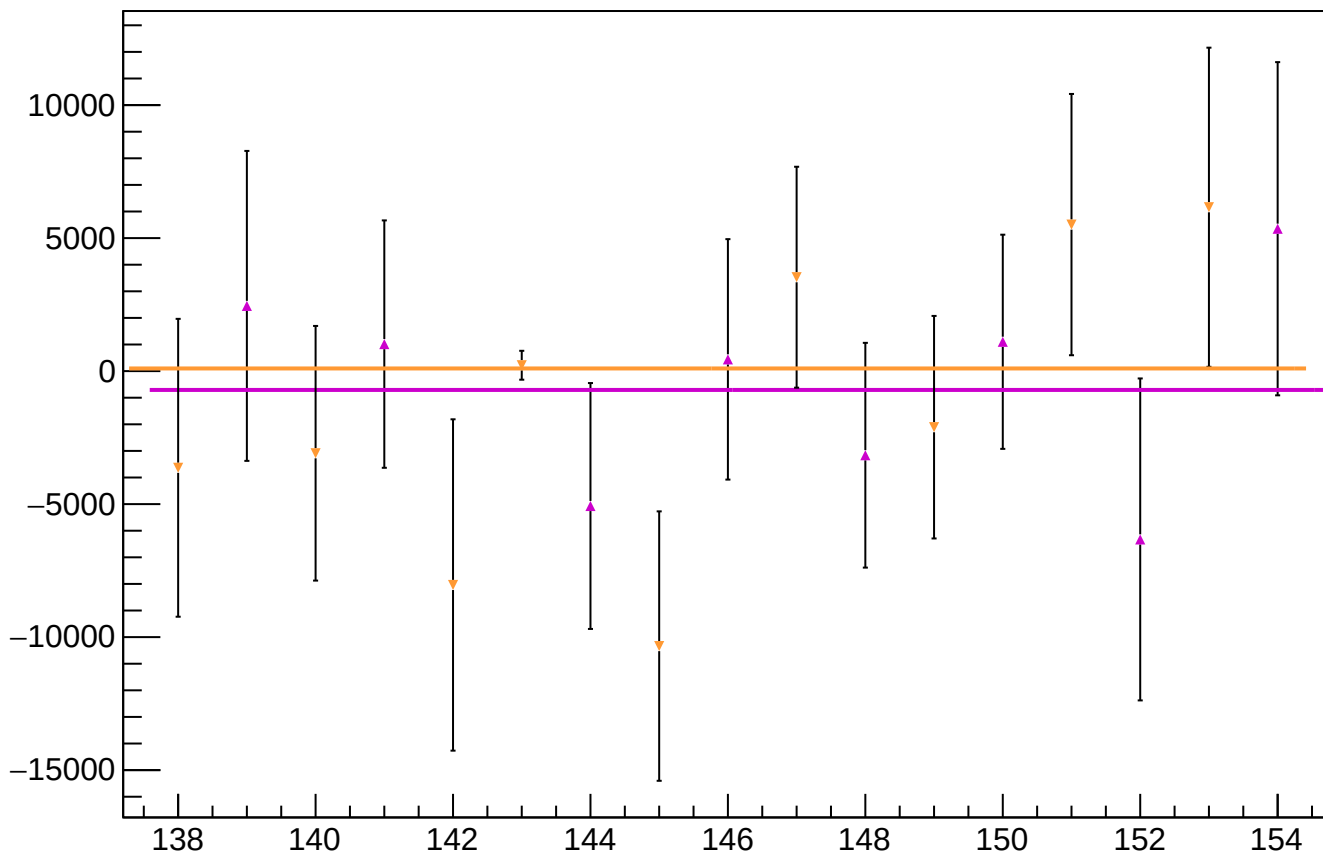
Right: 1766.106+/-0.342 χ^2/NDF : 730940.0/35

In: 1833.362+/-0.358 χ^2/NDF : 397640.8/24

Out: 1878.560+/-0.367 χ^2/NDF : 894492.1/27

All: 1855.405+/-0.256 χ^2/NDF : 1299892.3/52

asym_atl_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 99.596+/-518.669 χ^2/NDF :10.1/8

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

Left In: -707.772+/-1709.943 χ^2/NDF :3.7/7

Left: 31.572+/-496.338 χ^2/NDF : 14.0/16

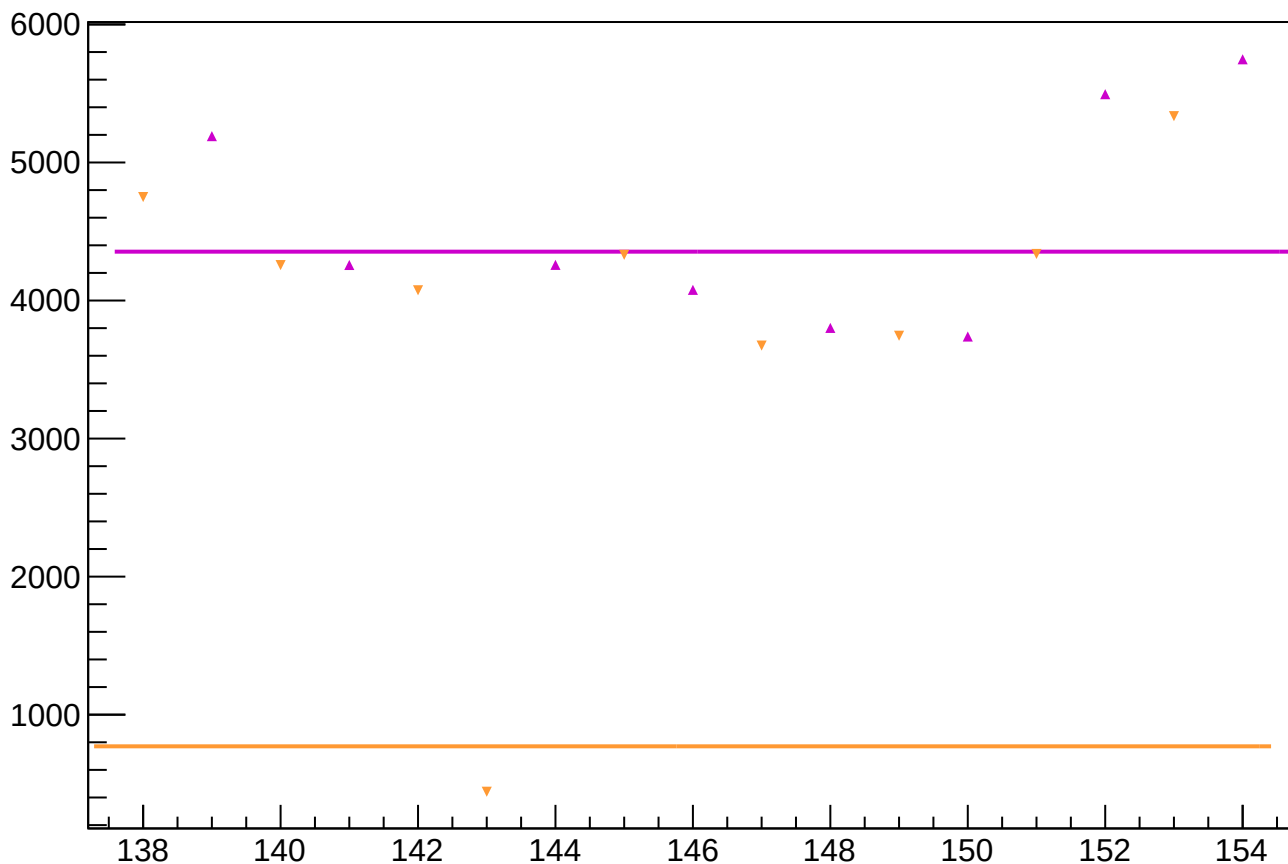
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -707.772+/-1709.943 χ^2/NDF :3.7/7

Out: 99.596+/-518.669 χ^2/NDF :10.1/8

All: 31.572+/-496.338 χ^2/NDF : 14.0/16

asym_atl_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 770.704+/-0.367 χ^2/NDF :8558125.7/8

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

Left In: 4354.001+/-1.209 χ^2/NDF :301363.8/7

Left: 1072.612+/-0.351 χ^2/NDF : 16902287.6/16

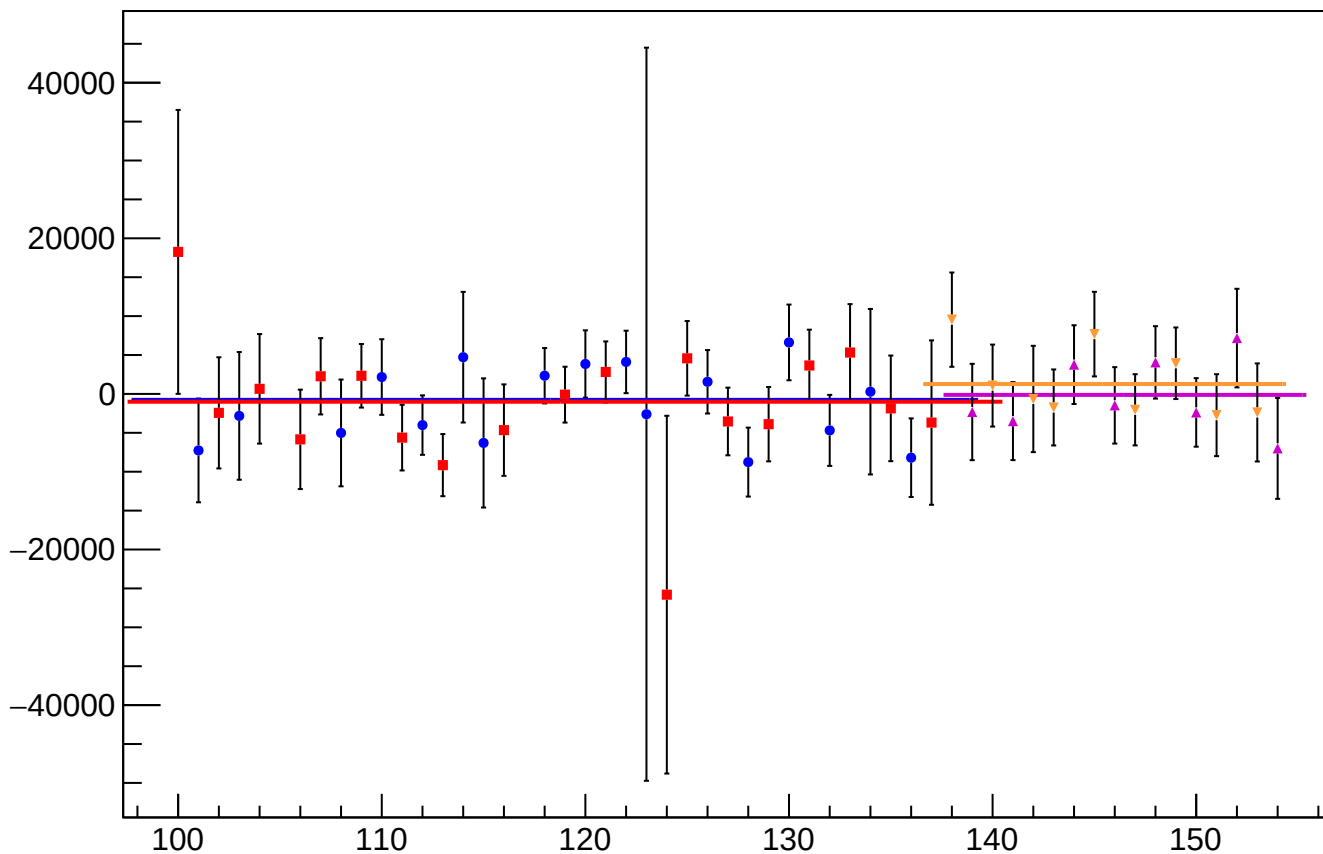
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4354.001+/-1.209 χ^2/NDF :301363.8/7

Out: 770.704+/-0.367 χ^2/NDF :8558125.7/8

All: 1072.612+/-0.351 χ^2/NDF : 16902287.6/16

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -765.107+/-1247.704 χ^2/NDF : 15.5/16

Left Out: 1269.539+/-1776.947 χ^2/NDF : 5.5/8

Right Out: -1004.792+/-1191.116 χ^2/NDF : 15.0/18

Left In: -126.206+/-1848.333 χ^2/NDF : 4.8/7

Left: 599.140+/-1280.985 χ^2/NDF : 10.6/16

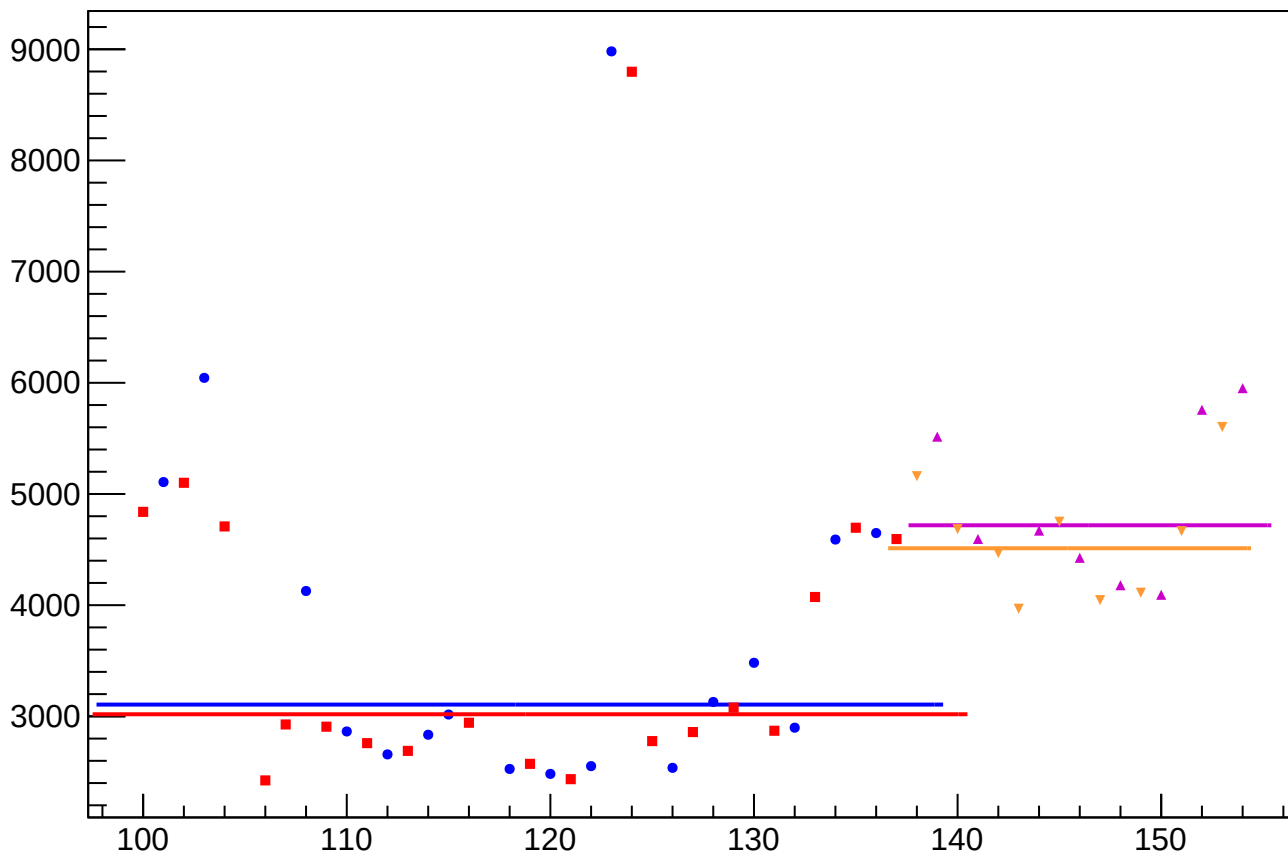
Right: -890.508+/-861.557 χ^2/NDF : 30.6/35

In: -565.107+/-1034.137 χ^2/NDF : 20.4/24

Out: -299.697+/-989.399 χ^2/NDF : 21.6/27

All: -426.537+/-714.904 χ^2/NDF : 42.0/52

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3105.849 $\pm$ 0.882 χ^2/NDF : 959826.4/16

Left Out: 4512.027 $\pm$ 1.256 χ^2/NDF : 151234.2/8

Right Out: 3018.781 $\pm$ 0.832 χ^2/NDF : 794275.0/18

Left In: 4718.562 $\pm$ 1.307 χ^2/NDF : 234786.7/7

Left: 4611.229 $\pm$ 0.906 χ^2/NDF : 398998.5/16

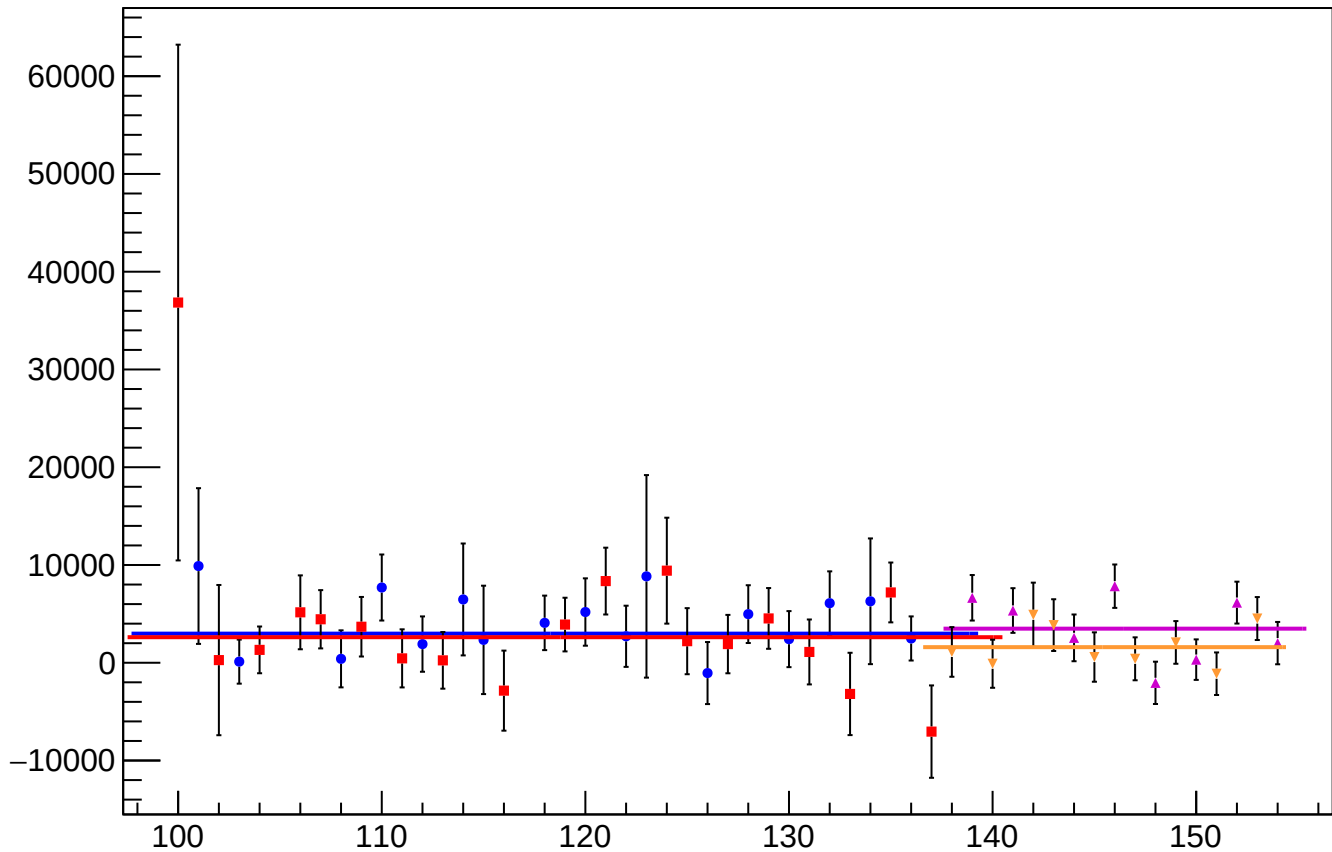
Right: 3059.752 $\pm$ 0.605 χ^2/NDF : 1759257.8/35

In: 3610.685 $\pm$ 0.731 χ^2/NDF : 2240580.2/24

Out: 3473.754 $\pm$ 0.694 χ^2/NDF : 1927537.4/27

All: 3538.601 $\pm$ 0.503 χ^2/NDF : 4186577.0/52

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2978.445+/-795.398 χ^2/NDF : 9.9/16

Left Out: 1595.940+/-803.720 χ^2/NDF : 6.1/8

Right Out: 2613.881+/-783.228 χ^2/NDF : 19.6/18

Left In: 3487.598+/-782.814 χ^2/NDF : 17.4/7

Left: 2566.691+/-560.778 χ^2/NDF : 26.3/16

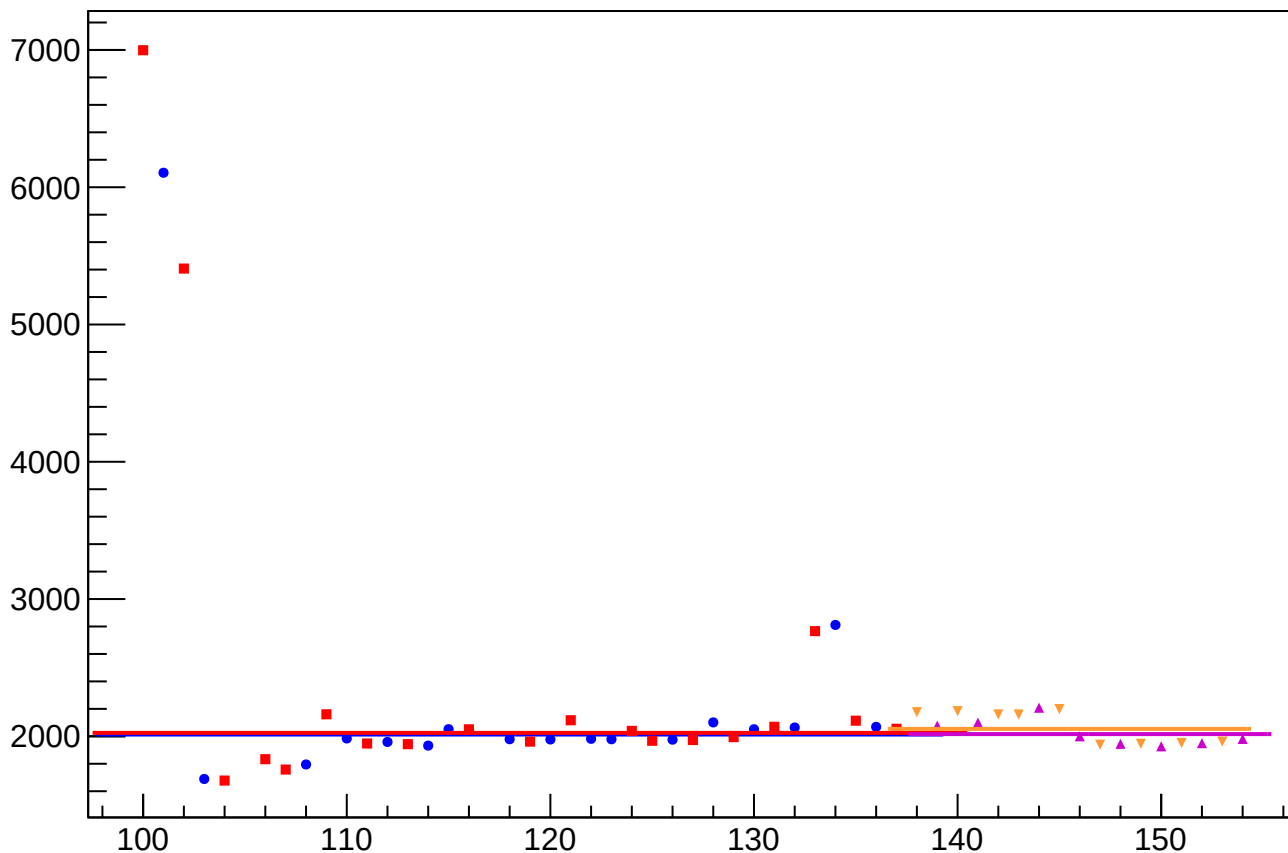
Right: 2793.353+/-558.079 χ^2/NDF : 29.6/35

In: 3237.081+/-557.929 χ^2/NDF : 27.5/24

Out: 2118.053+/-560.930 χ^2/NDF : 26.5/27

All: 2680.569+/-395.572 χ^2/NDF : 56.0/52

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 2012.945+/-0.562 χ^2/NDF : 617707.4/16

Left Out: 2054.023+/-0.568 χ^2/NDF : 40265.4/8

Right Out: 2025.070+/-0.554 χ^2/NDF : 597422.5/18

Left In: 2016.149+/-0.554 χ^2/NDF : 25374.1/7

Left: 2034.587+/-0.397 χ^2/NDF : 67918.6/16

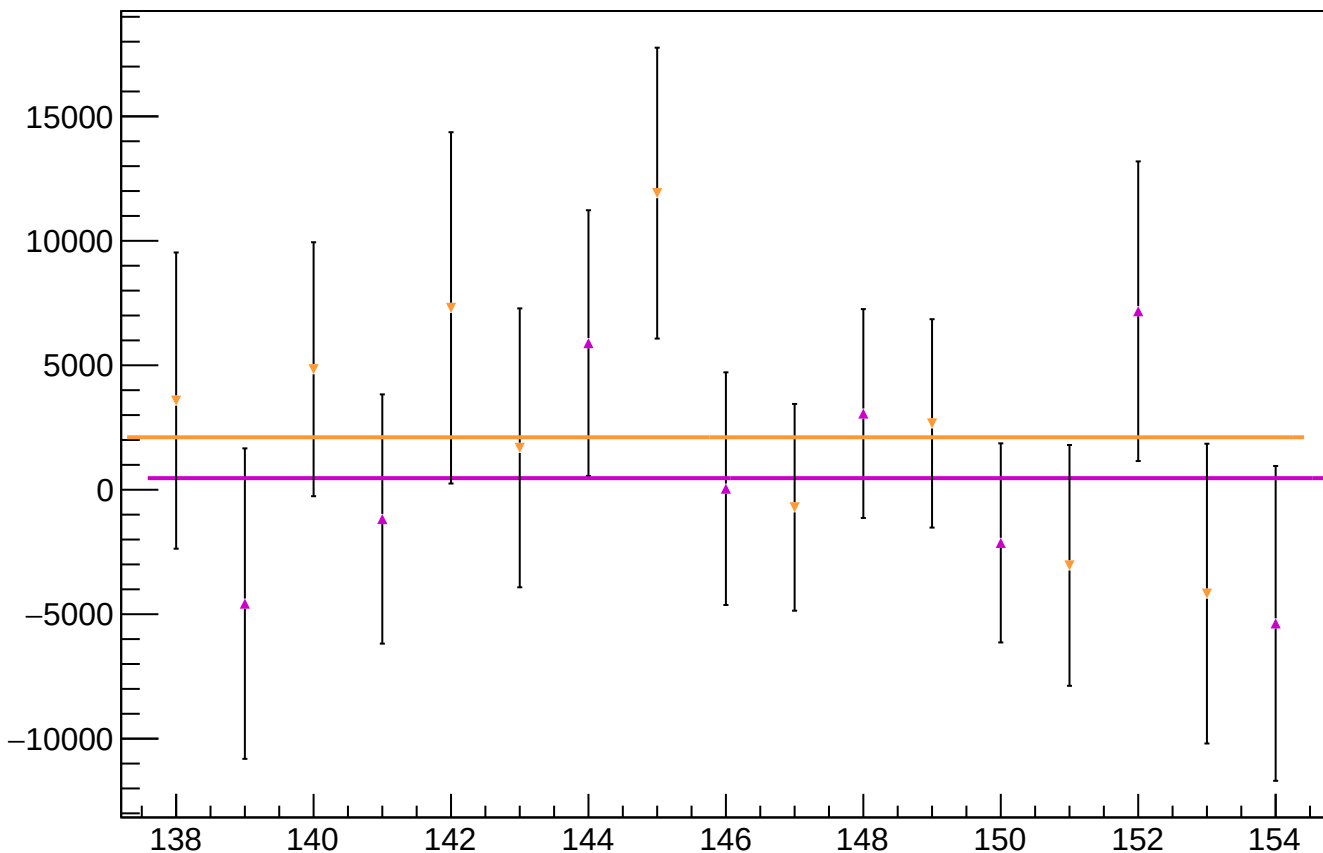
Right: 2019.103+/-0.395 χ^2/NDF : 1215366.0/35

In: 2014.573+/-0.395 χ^2/NDF : 643098.0/24

Out: 2039.168+/-0.397 χ^2/NDF : 639019.6/27

All: 2026.806+/-0.280 χ^2/NDF : 1284050.8/52

asym_atr_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 2108.627+/-1732.150 χ^2/NDF :6.4/8

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

Left In: 466.116+/-1772.091 χ^2/NDF :4.7/7

Left: 1306.091+/-1238.695 χ^2/NDF : 11.6/16

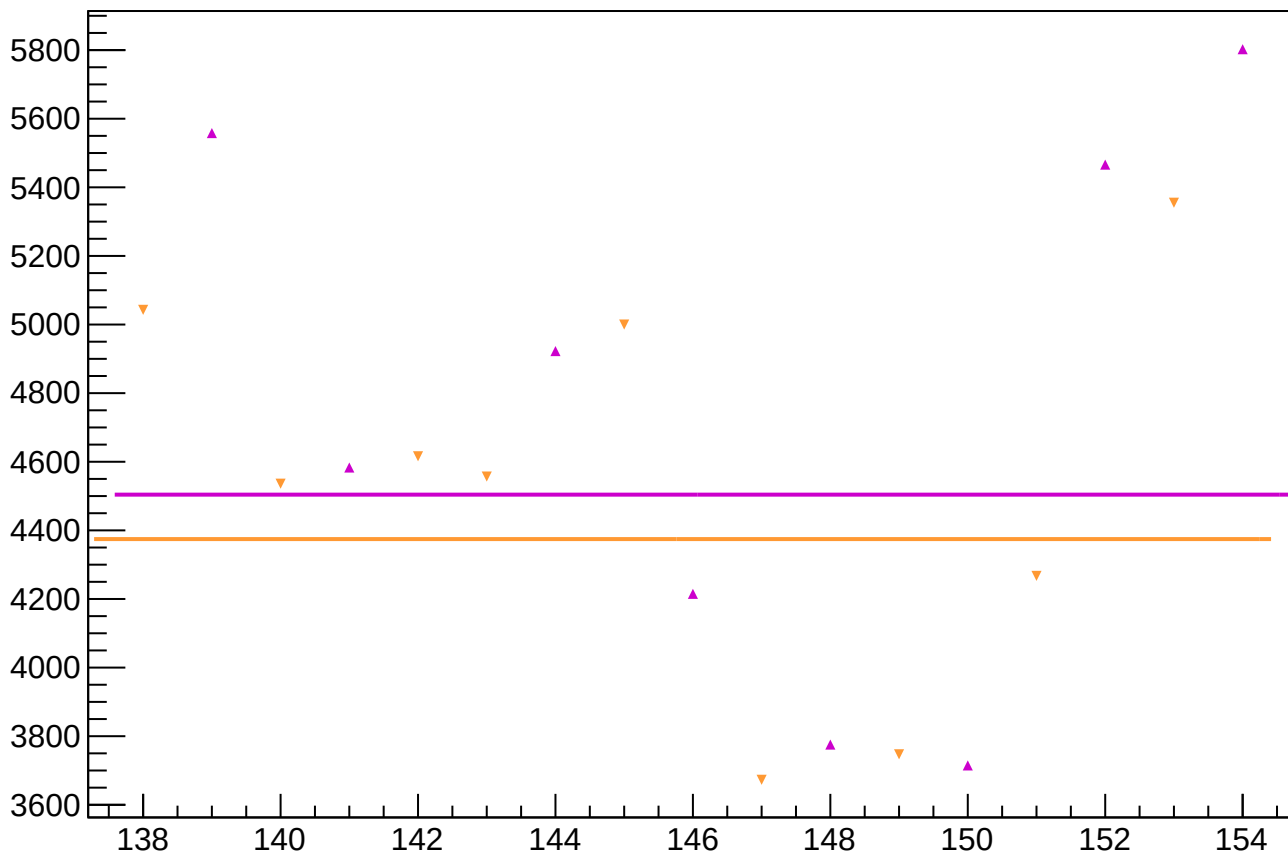
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 466.116+/-1772.091 χ^2/NDF :4.7/7

Out: 2108.627+/-1732.150 χ^2/NDF :6.4/8

All: 1306.091+/-1238.695 χ^2/NDF : 11.6/16

asym_atr_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 4374.605+/-1.225 χ^2/NDF :210652.3/8

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

Left In: 4504.143+/-1.253 χ^2/NDF :351221.8/7

Left: 4437.897+/-0.876 χ^2/NDF : 567339.3/16

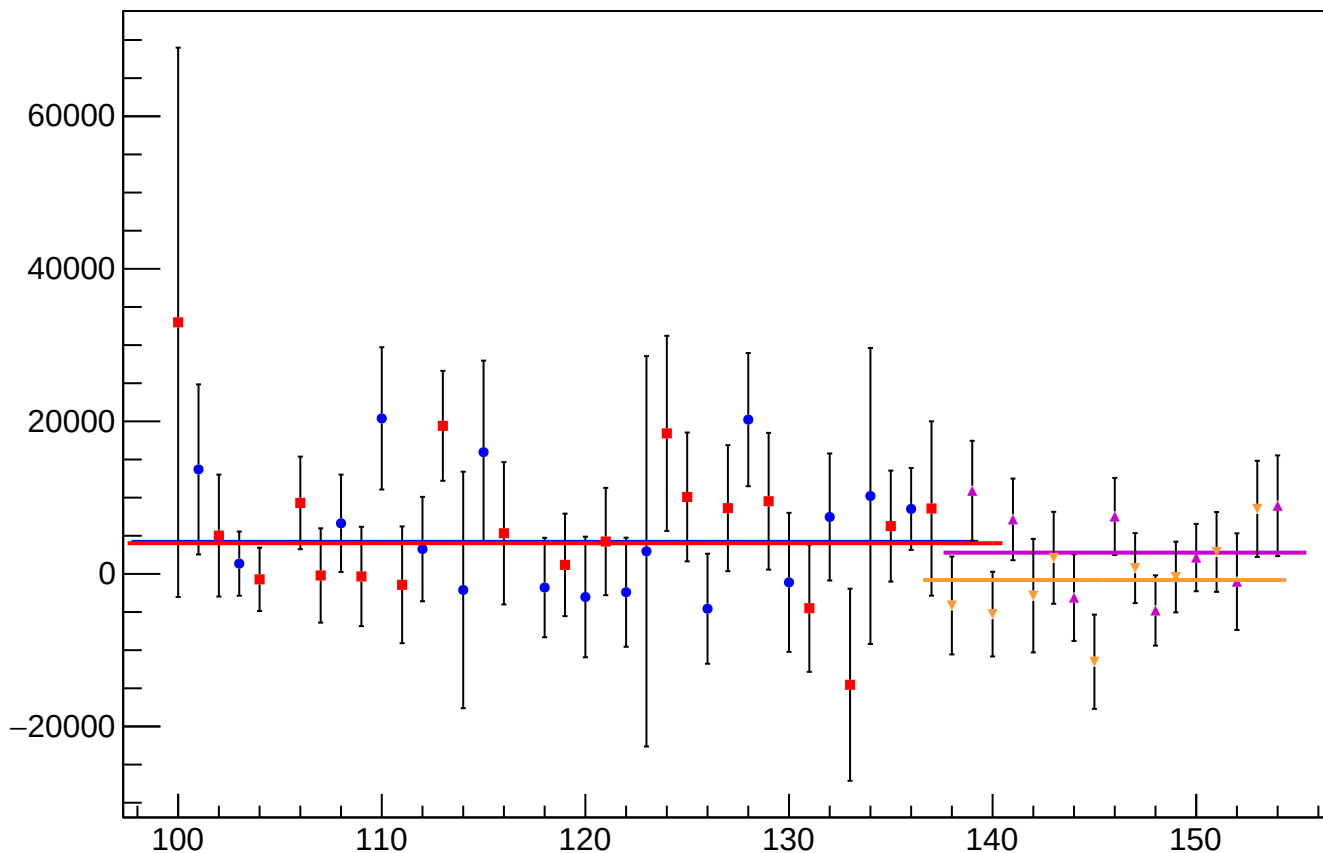
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4504.143+/-1.253 χ^2/NDF :351221.8/7

Out: 4374.605+/-1.225 χ^2/NDF :210652.3/8

All: 4437.897+/-0.876 χ^2/NDF : 567339.3/16

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4198.770 ± 1857.803 $\chi^2/\text{NDF}: 14.1/16$

Left Out: -806.898 ± 1875.972 $\chi^2/\text{NDF}: 7.0/8$

Right Out: 4023.682 ± 1725.187 $\chi^2/\text{NDF}: 14.8/18$

Left In: 2787.576 ± 1907.948 $\chi^2/\text{NDF}: 8.1/7$

Left: 959.966 ± 1337.675 $\chi^2/\text{NDF}: 17.0/16$

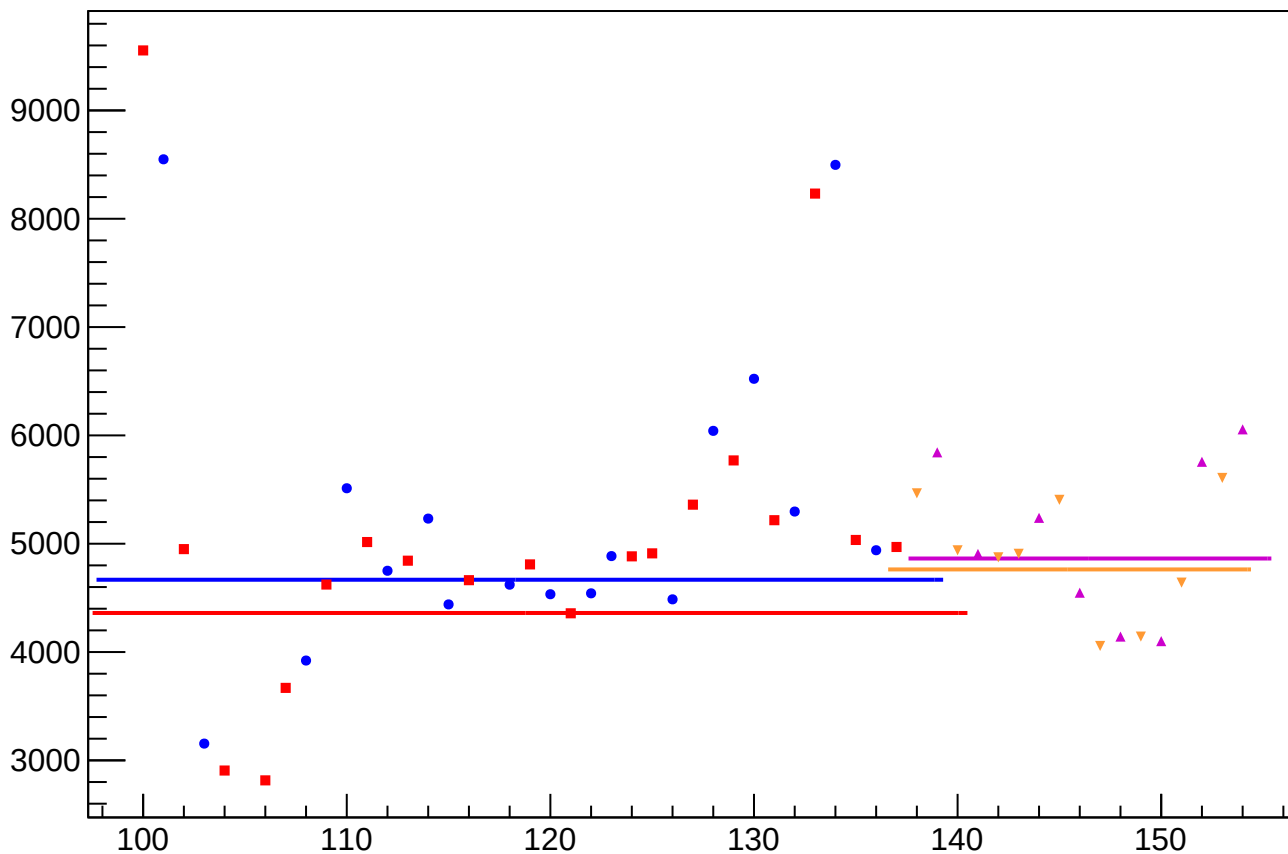
Right: 4104.755 ± 1264.177 $\chi^2/\text{NDF}: 29.0/35$

In: 3511.962 ± 1331.040 $\chi^2/\text{NDF}: 22.5/24$

Out: 1810.300 ± 1269.857 $\chi^2/\text{NDF}: 25.5/27$

All: 2621.124 ± 918.793 $\chi^2/\text{NDF}: 48.8/52$

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4667.470+/-1.314 χ^2/NDF : 777857.9/16

Left Out: 4762.662+/-1.327 χ^2/NDF : 169461.3/8

Right Out: 4360.582+/-1.213 χ^2/NDF : 832745.2/18

Left In: 4863.460+/-1.349 χ^2/NDF : 275080.5/7

Left: 4812.209+/-0.946 χ^2/NDF : 447380.0/16

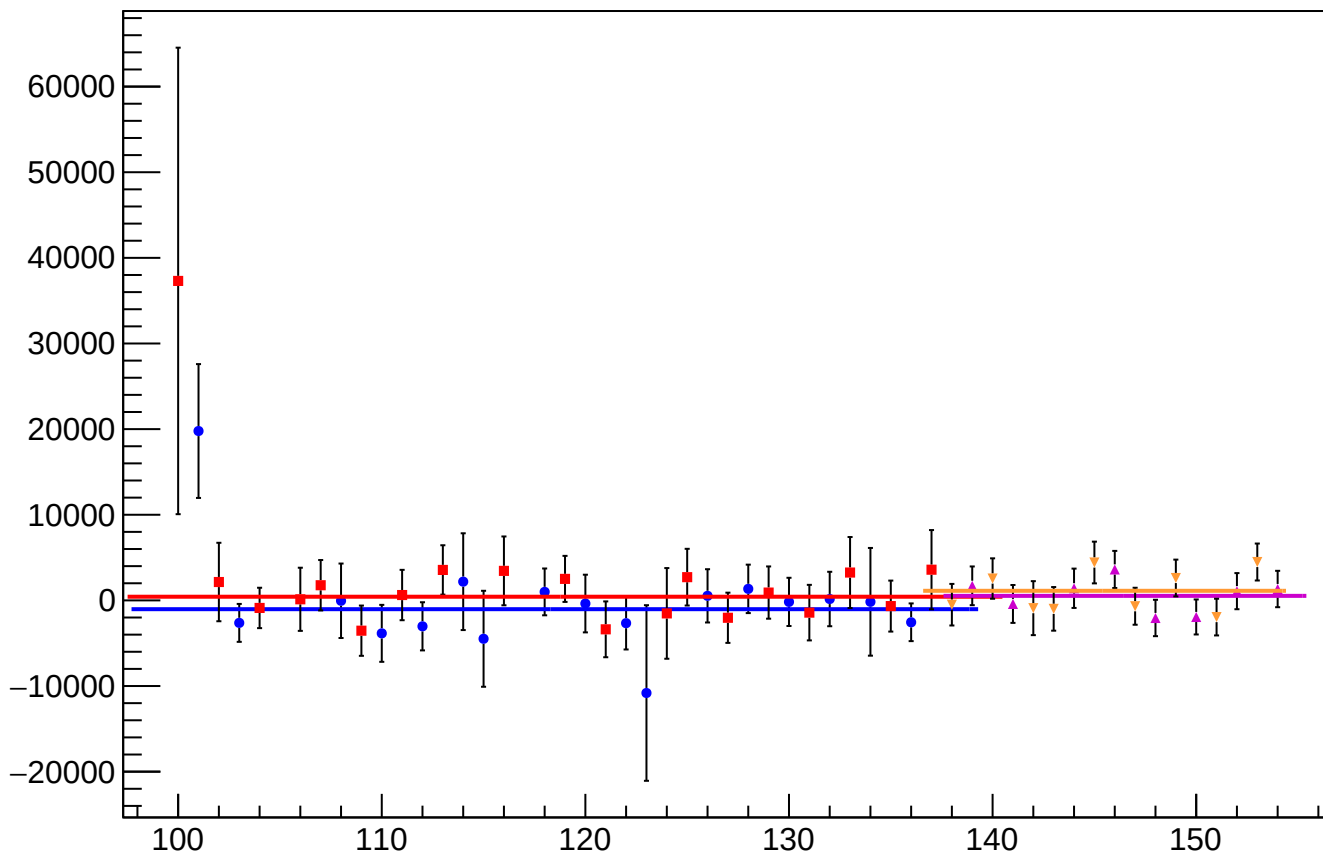
Right: 4501.800+/-0.891 χ^2/NDF : 1640064.7/35

In: 4762.856+/-0.941 χ^2/NDF : 1063771.3/24

Out: 4543.661+/-0.895 χ^2/NDF : 1052248.6/27

All: 4647.761+/-0.649 χ^2/NDF : 2144499.6/52

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1027.051 $\pm$ 796.597 χ^2 /NDF: 13.1/16

Left Out: 1119.839 $\pm$ 781.675 χ^2 /NDF: 9.4/8

Right Out: 428.488 $\pm$ 760.817 χ^2 /NDF: 10.8/18

Left In: 528.811 $\pm$ 764.702 χ^2 /NDF: 5.8/7

Left: 817.839 $\pm$ 546.628 χ^2 /NDF: 15.5/16

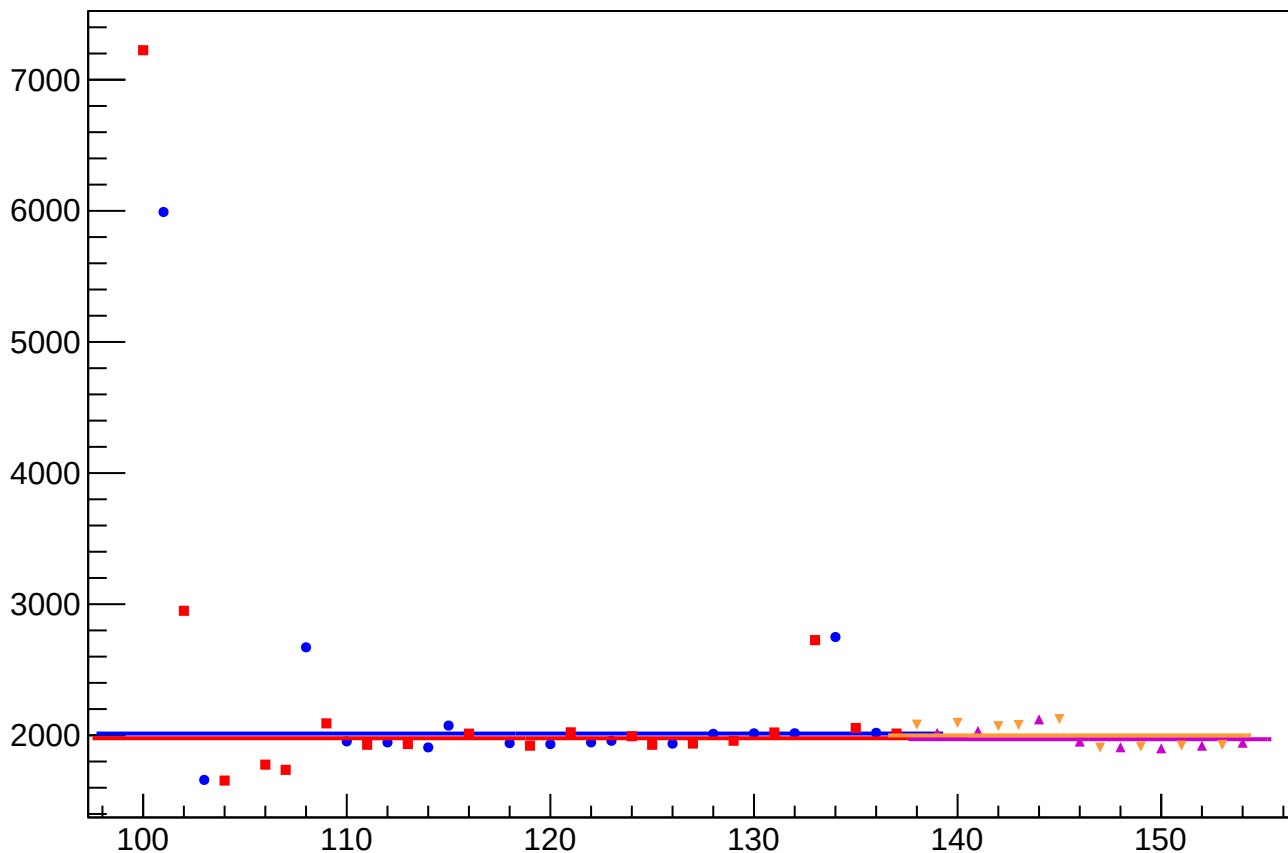
Right: -265.860 $\pm$ 550.193 χ^2 /NDF: 25.6/35

In: -217.350 $\pm$ 551.657 χ^2 /NDF: 20.8/24

Out: 764.817 $\pm$ 545.204 χ^2 /NDF: 20.6/27

All: 279.512 $\pm$ 387.779 χ^2 /NDF: 43.0/52

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 2013.270+/-0.563 χ^2/NDF : 650048.6/16

Left Out: 1999.190+/-0.553 χ^2/NDF : 25393.8/8

Right Out: 1977.545+/-0.537 χ^2/NDF : 294899.1/18

Left In: 1970.274+/-0.541 χ^2/NDF : 16778.7/7

Left: 1984.414+/-0.387 χ^2/NDF : 43570.9/16

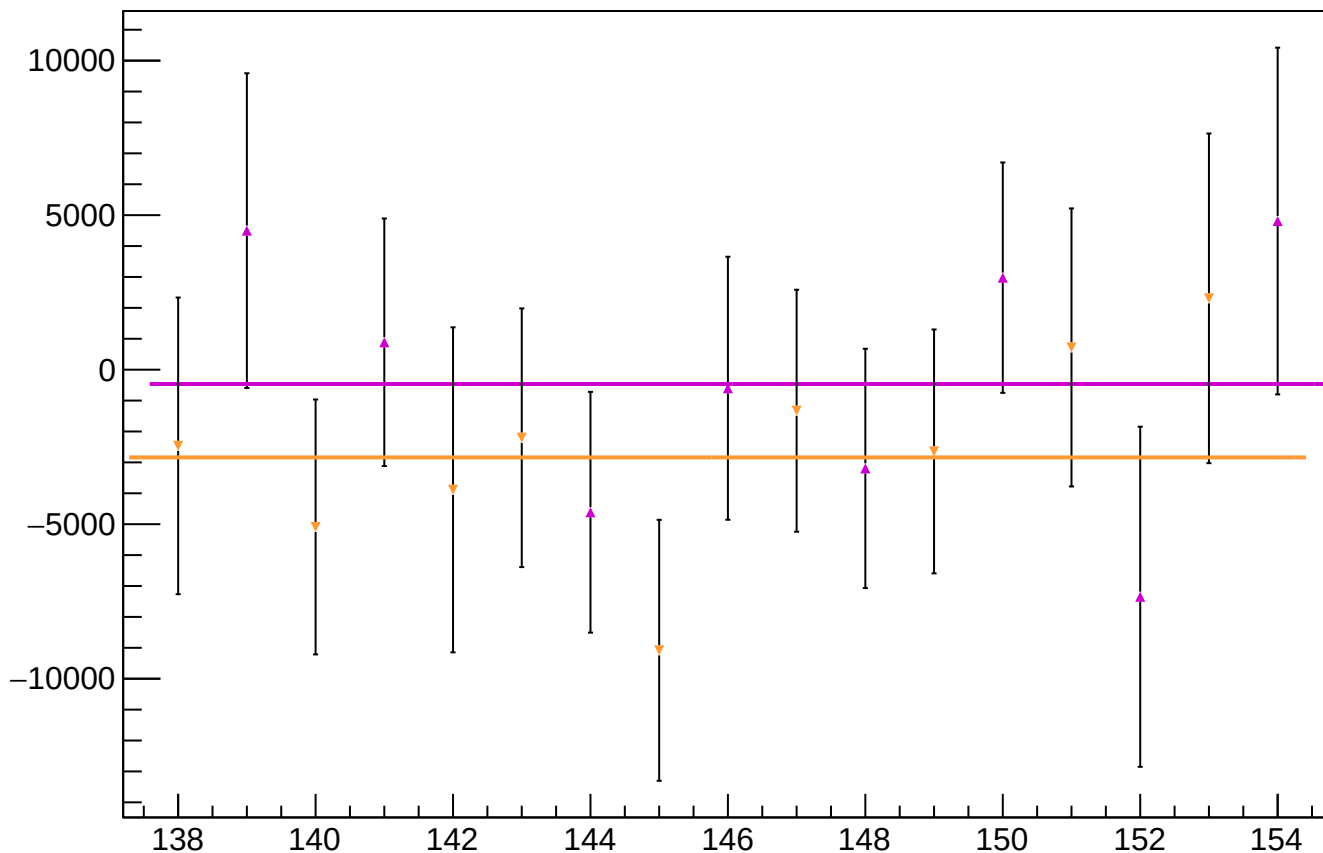
Right: 1994.568+/-0.389 χ^2/NDF : 947053.5/35

In: 1990.894+/-0.390 χ^2/NDF : 669859.6/24

Out: 1988.063+/-0.385 χ^2/NDF : 321081.2/27

All: 1989.461+/-0.274 χ^2/NDF : 990967.4/52

asym_atr_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -2839.287+/-1465.598 χ^2/NDF : 4.3/8

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

Left In: -463.017+/-1533.024 χ^2/NDF : 6.0/7

Left: -1704.557+/-1059.369 χ^2/NDF : 11.5/16

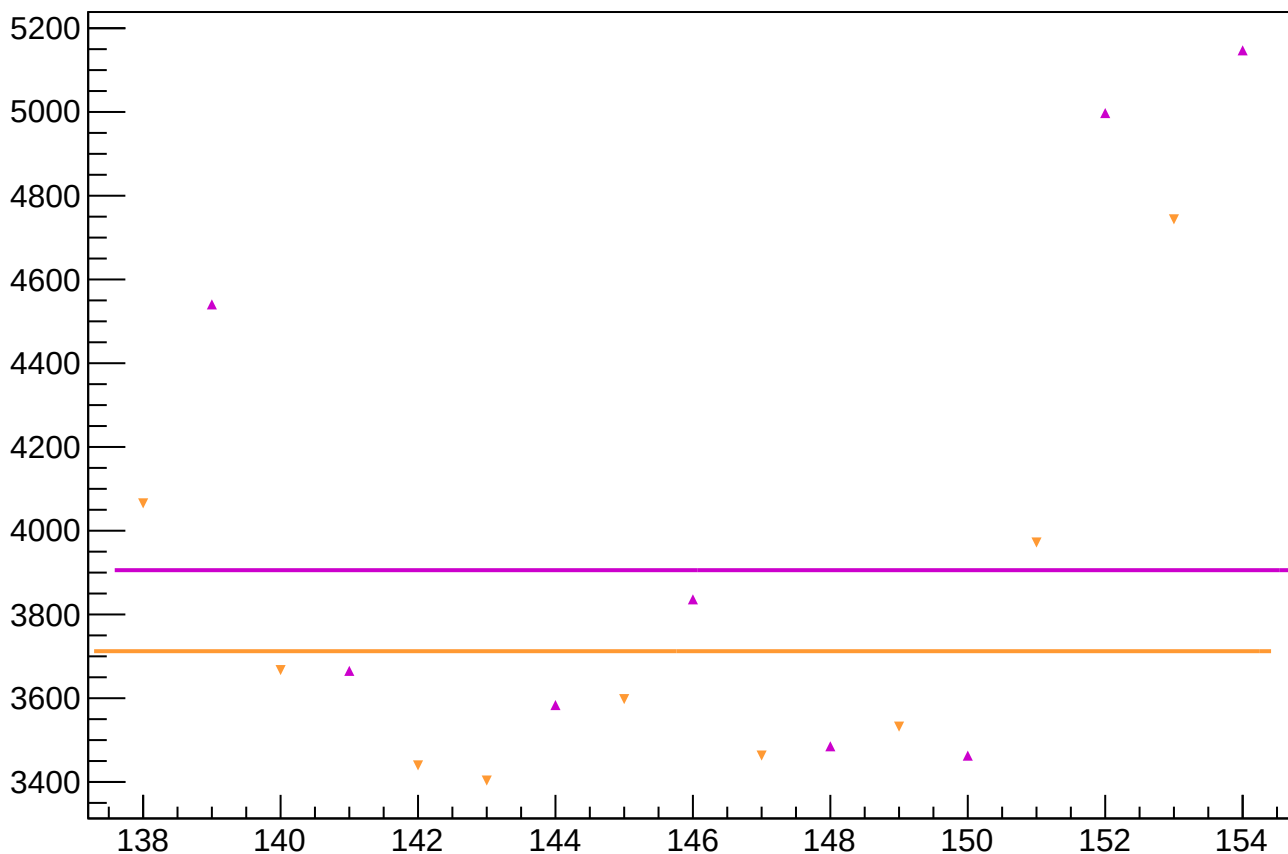
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -463.017+/-1533.024 χ^2/NDF : 6.0/7

Out: -2839.287+/-1465.598 χ^2/NDF : 4.3/8

All: -1704.557+/-1059.369 χ^2/NDF : 11.5/16

asym_atr_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 3712.289+/-1.036 χ^2/NDF :122504.6/8

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

Left In: 3905.766+/-1.084 χ^2/NDF :280975.5/7

Left: 3804.679+/-0.749 χ^2/NDF : 420124.1/16

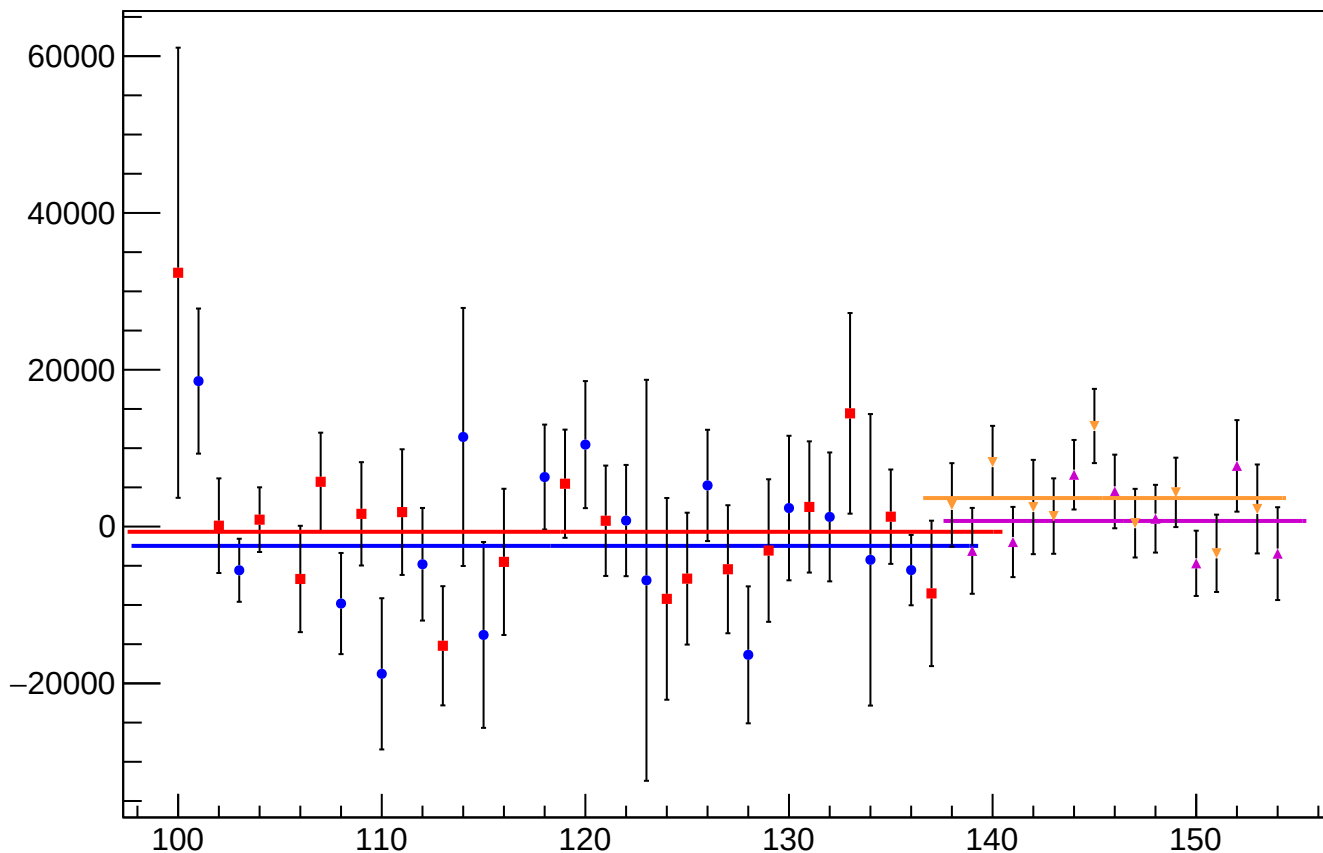
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 3905.766+/-1.084 χ^2/NDF :280975.5/7

Out: 3712.289+/-1.036 χ^2/NDF :122504.6/8

All: 3804.679+/-0.749 χ^2/NDF : 420124.1/16

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2462.254 $\pm$ 1797.293 χ^2 /NDF: 20.8/16

Left Out: 3636.865 $\pm$ 1637.646 χ^2 /NDF: 7.7/8

Right Out: -666.170 $\pm$ 1689.812 χ^2 /NDF: 11.9/18

Left In: 716.302 $\pm$ 1693.699 χ^2 /NDF: 6.9/7

Left: 2225.712 $\pm$ 1177.308 χ^2 /NDF: 16.1/16

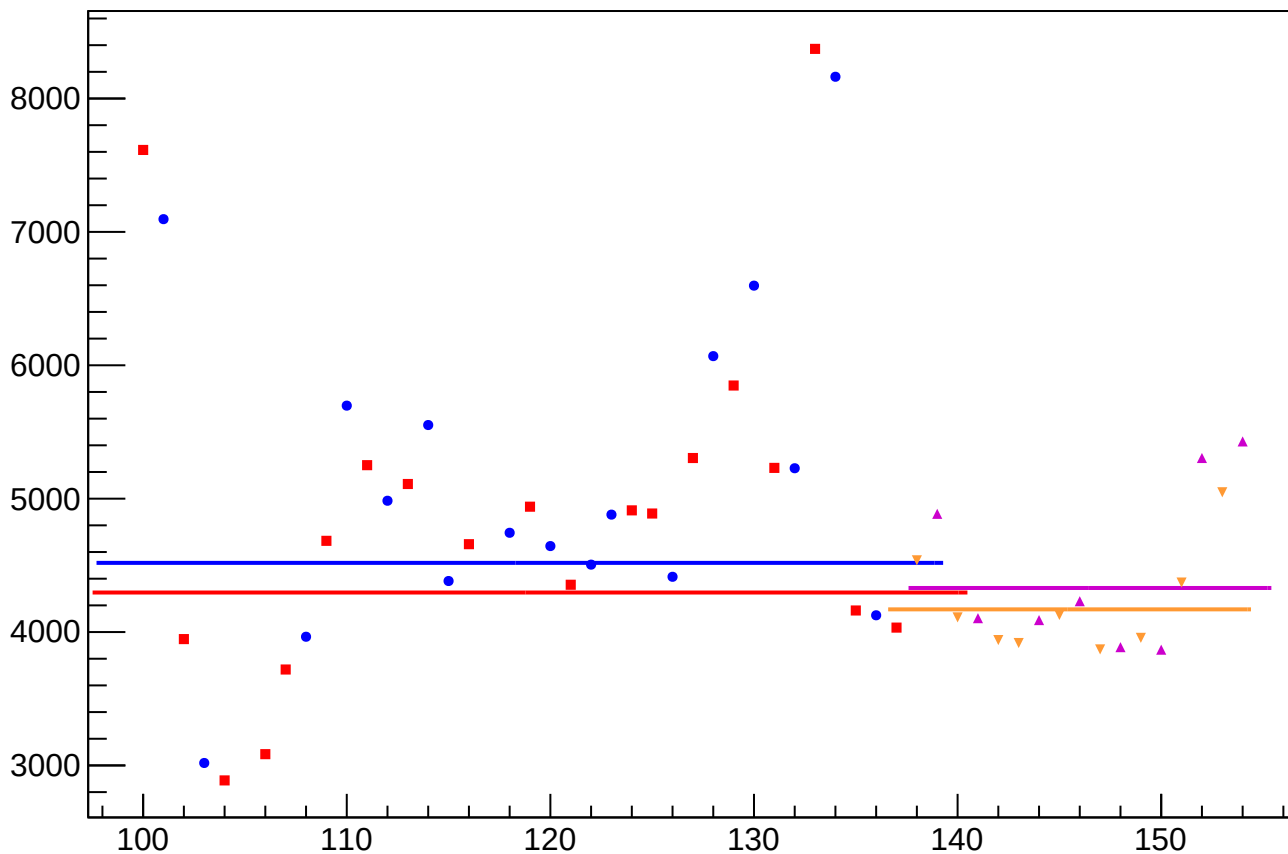
Right: -1508.905 $\pm$ 1231.122 χ^2 /NDF: 33.3/35

In: -778.737 $\pm$ 1232.623 χ^2 /NDF: 29.4/24

Out: 1552.791 $\pm$ 1176.000 χ^2 /NDF: 22.9/27

All: 441.807 $\pm$ 850.871 χ^2 /NDF: 54.2/52

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4518.684 $\pm$ 1.271 χ^2/NDF : 770226.9/16

Left Out: 4170.111 $\pm$ 1.158 χ^2/NDF : 83749.4/8

Right Out: 4296.379 $\pm$ 1.188 χ^2/NDF : 771702.5/18

Left In: 4330.392 $\pm$ 1.198 χ^2/NDF : 202938.4/7

Left: 4247.555 $\pm$ 0.832 χ^2/NDF : 295944.6/16

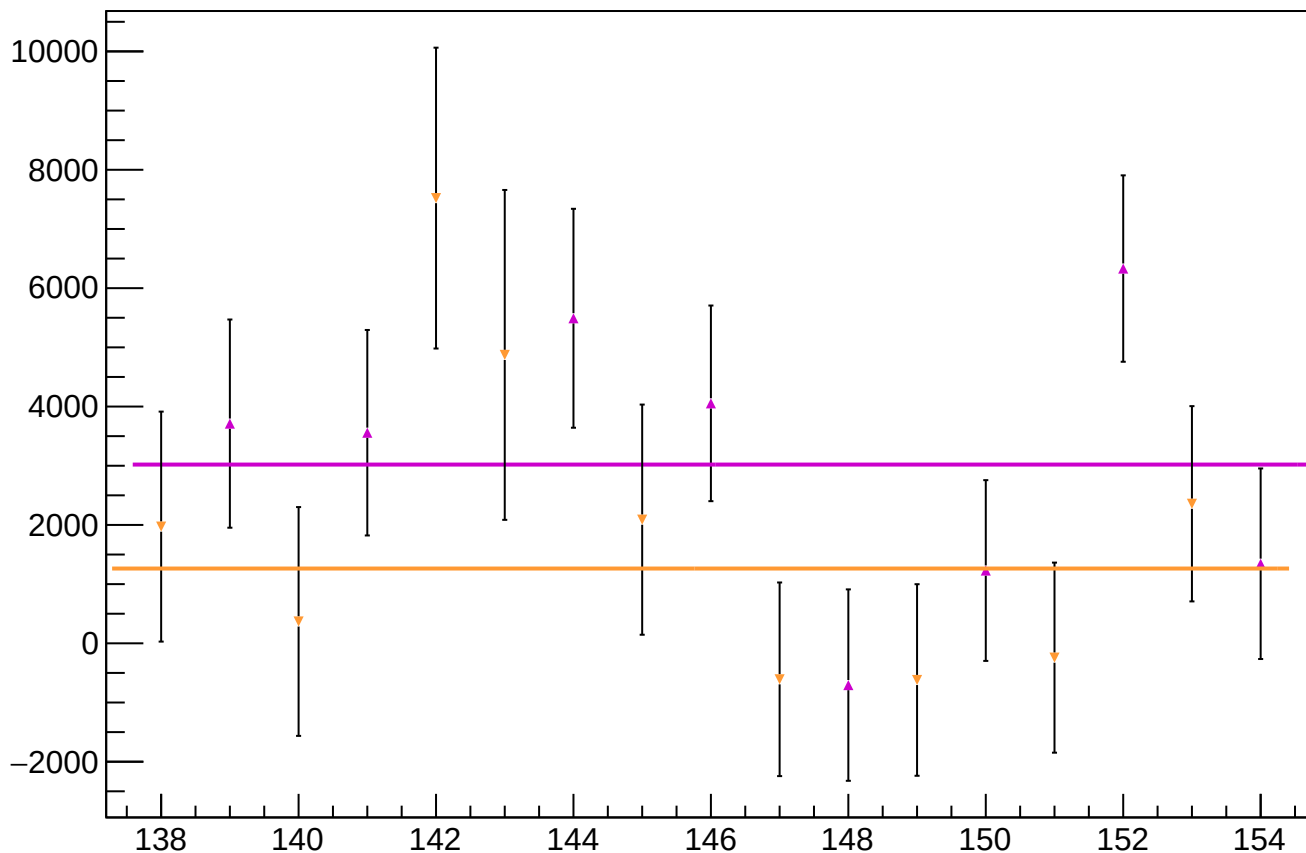
Right: 4400.071 $\pm$ 0.868 χ^2/NDF : 1558255.2/35

In: 4418.955 $\pm$ 0.872 χ^2/NDF : 984791.7/24

Out: 4231.616 $\pm$ 0.829 χ^2/NDF : 861243.4/27

All: 4320.632 $\pm$ 0.601 χ^2/NDF : 1870281.9/52

dit_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



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

Left Out: 1263.502+/-621.132 χ^2/NDF :12.3/8

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

Left In: 3019.822+/-585.765 χ^2/NDF :14.6/7

Left: 2193.085+/-426.153 χ^2/NDF : 31.1/16

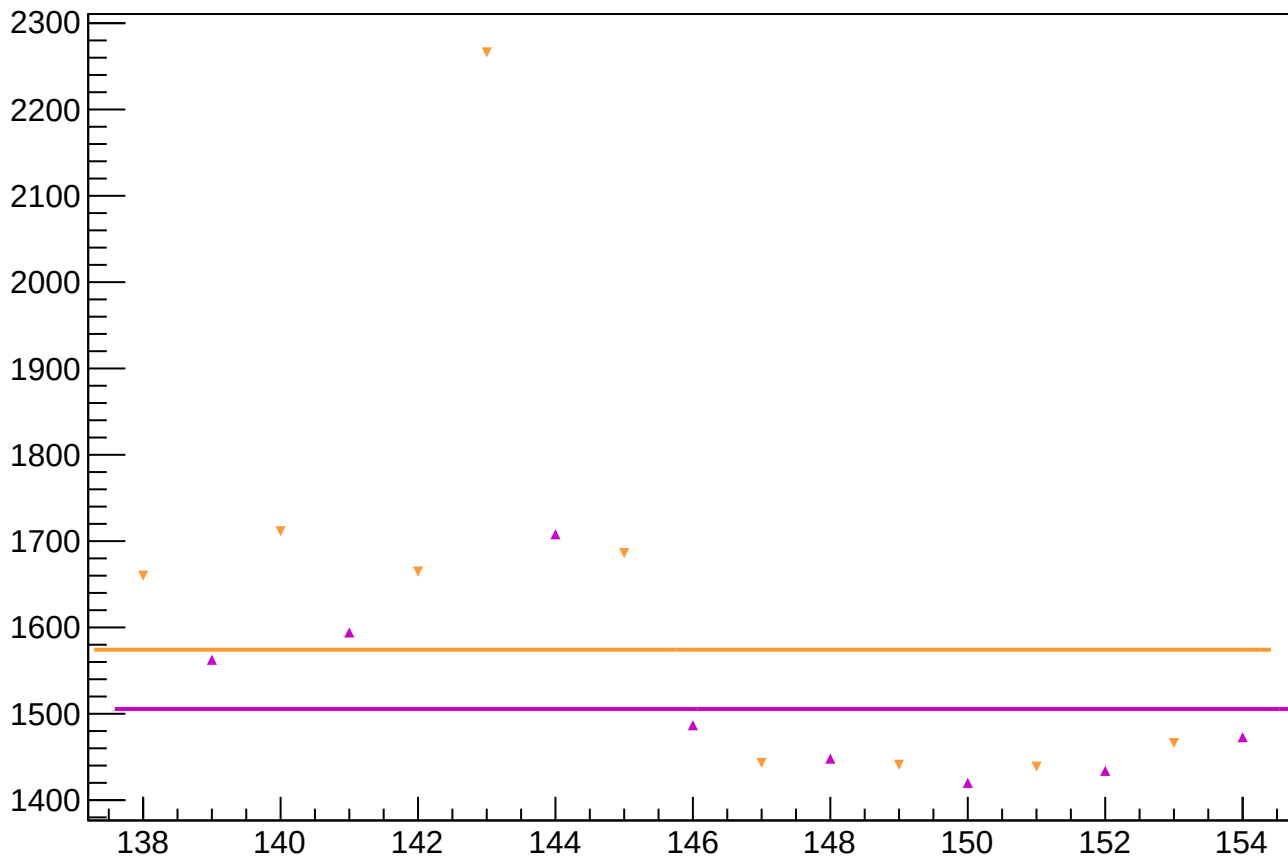
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 3019.822+/-585.765 χ^2/NDF :14.6/7

Out: 1263.502+/-621.132 χ^2/NDF :12.3/8

All: 2193.085+/-426.153 χ^2/NDF : 31.1/16

dit_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1574.202+/-0.439 χ^2/NDF :195724.1/8

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

Left In: 1505.534+/-0.414 χ^2/NDF :45315.0/7

Left: 1537.857+/-0.301 χ^2/NDF : 253976.8/16

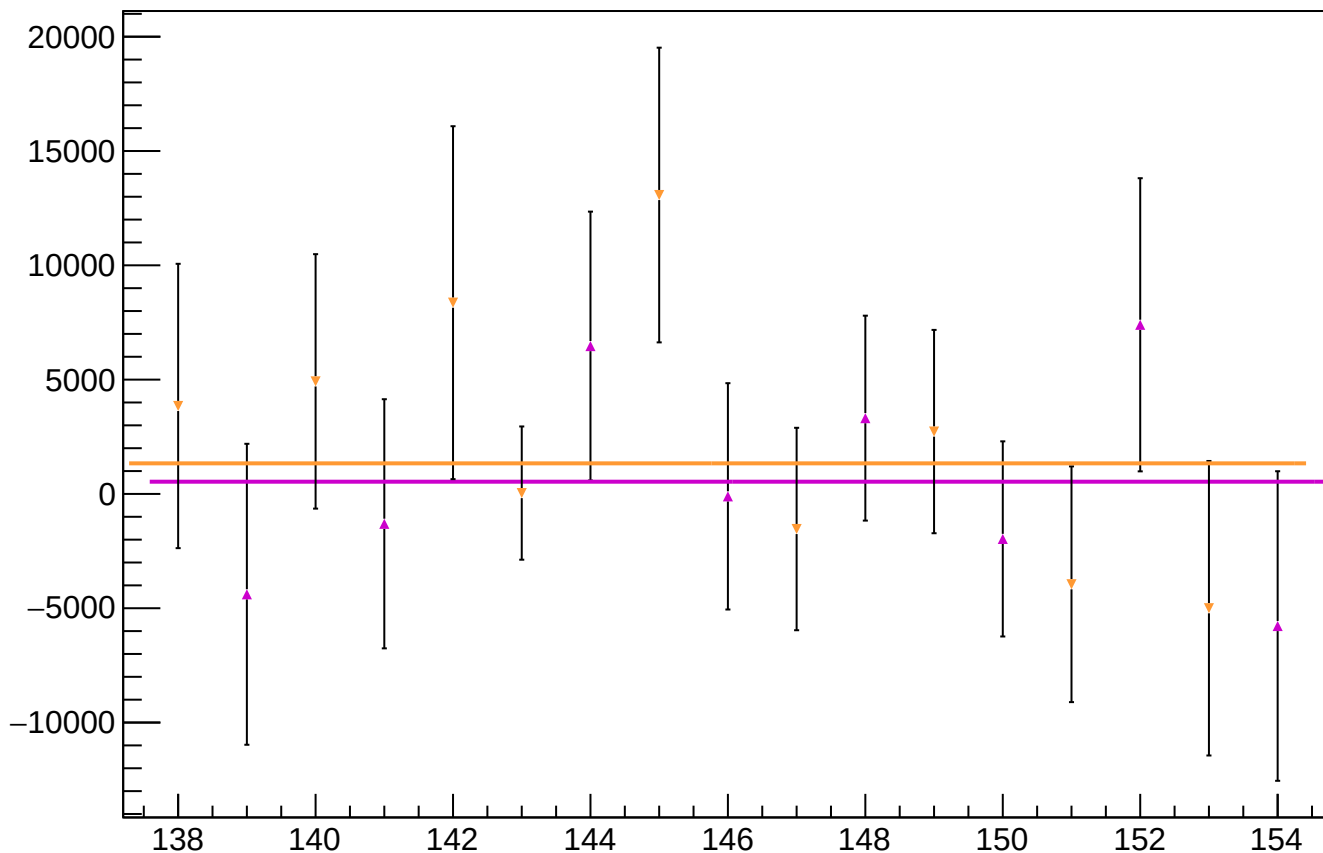
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1505.534+/-0.414 χ^2/NDF :45315.0/7

Out: 1574.202+/-0.439 χ^2/NDF :195724.1/8

All: 1537.857+/-0.301 χ^2/NDF : 253976.8/16

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: 1337.729+/-1622.097 χ^2/NDF : 7.5/8

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

Left In: 534.895+/-1898.959 χ^2/NDF : 4.5/7

Left: 999.051+/-1233.378 χ^2/NDF : 12.0/16

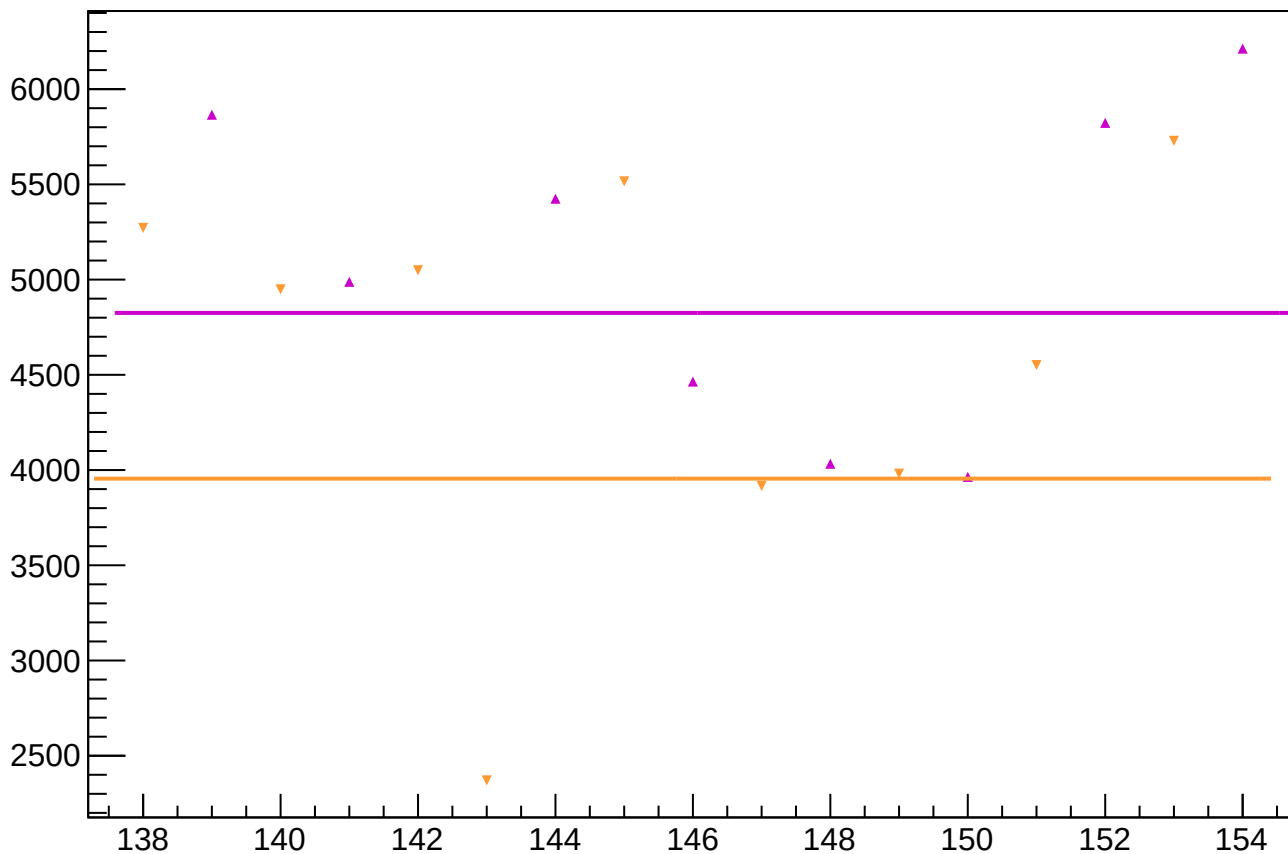
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 534.895+/-1898.959 χ^2/NDF : 4.5/7

Out: 1337.729+/-1622.097 χ^2/NDF : 7.5/8

All: 999.051+/-1233.378 χ^2/NDF : 12.0/16

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: 3954.996+/-1.147 χ^2/NDF :1080730.1/8

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

Left In: 4825.179+/-1.343 χ^2/NDF :359513.0/7

Left: 4322.085+/-0.872 χ^2/NDF : 1683048.5/16

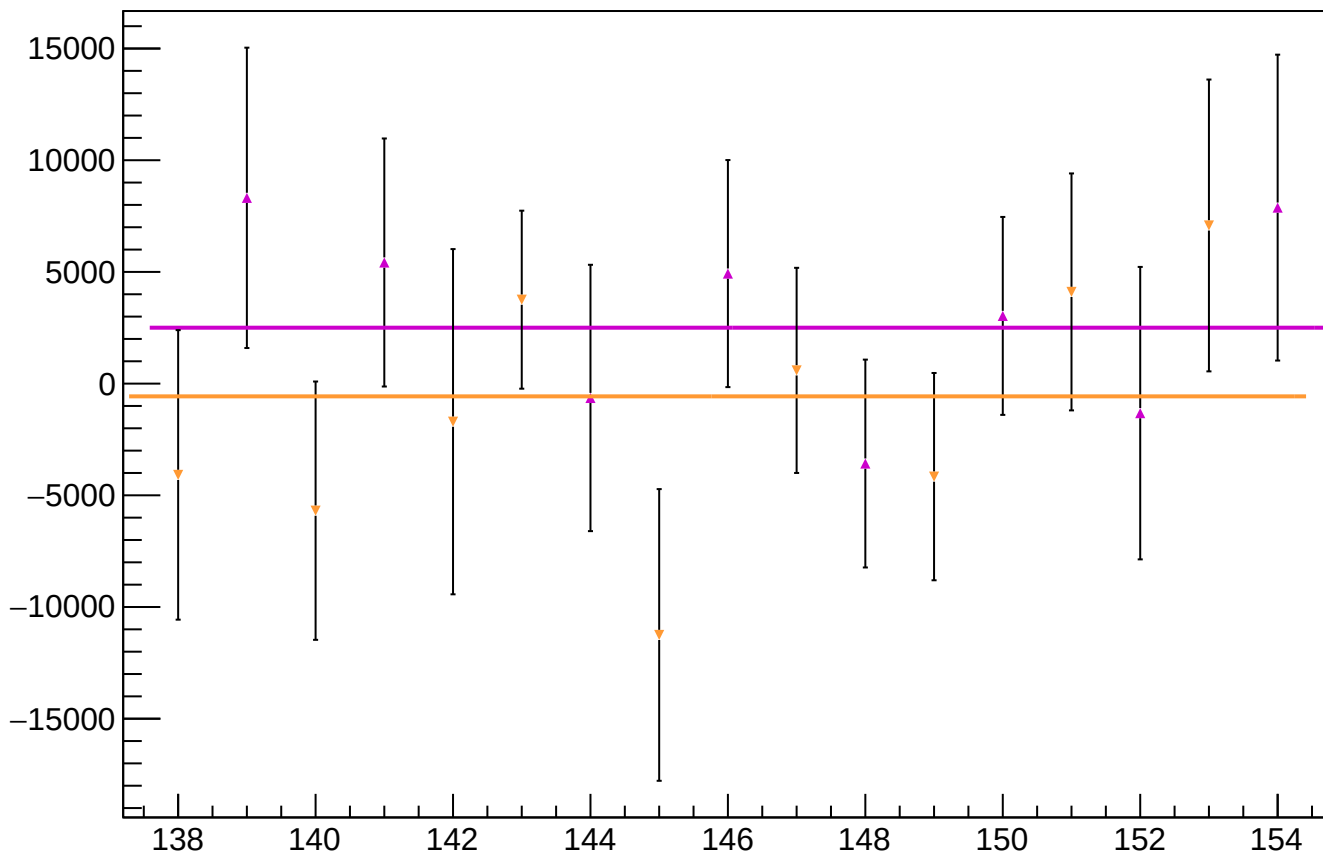
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4825.179+/-1.343 χ^2/NDF :359513.0/7

Out: 3954.996+/-1.147 χ^2/NDF :1080730.1/8

All: 4322.085+/-0.872 χ^2/NDF : 1683048.5/16

asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



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

Left Out: -570.501+/-1796.646 χ^2/NDF : 7.8/8

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

Left In: 2503.021+/-1949.036 χ^2/NDF : 4.2/7

Left: 841.422+/-1321.014 χ^2/NDF : 13.3/16

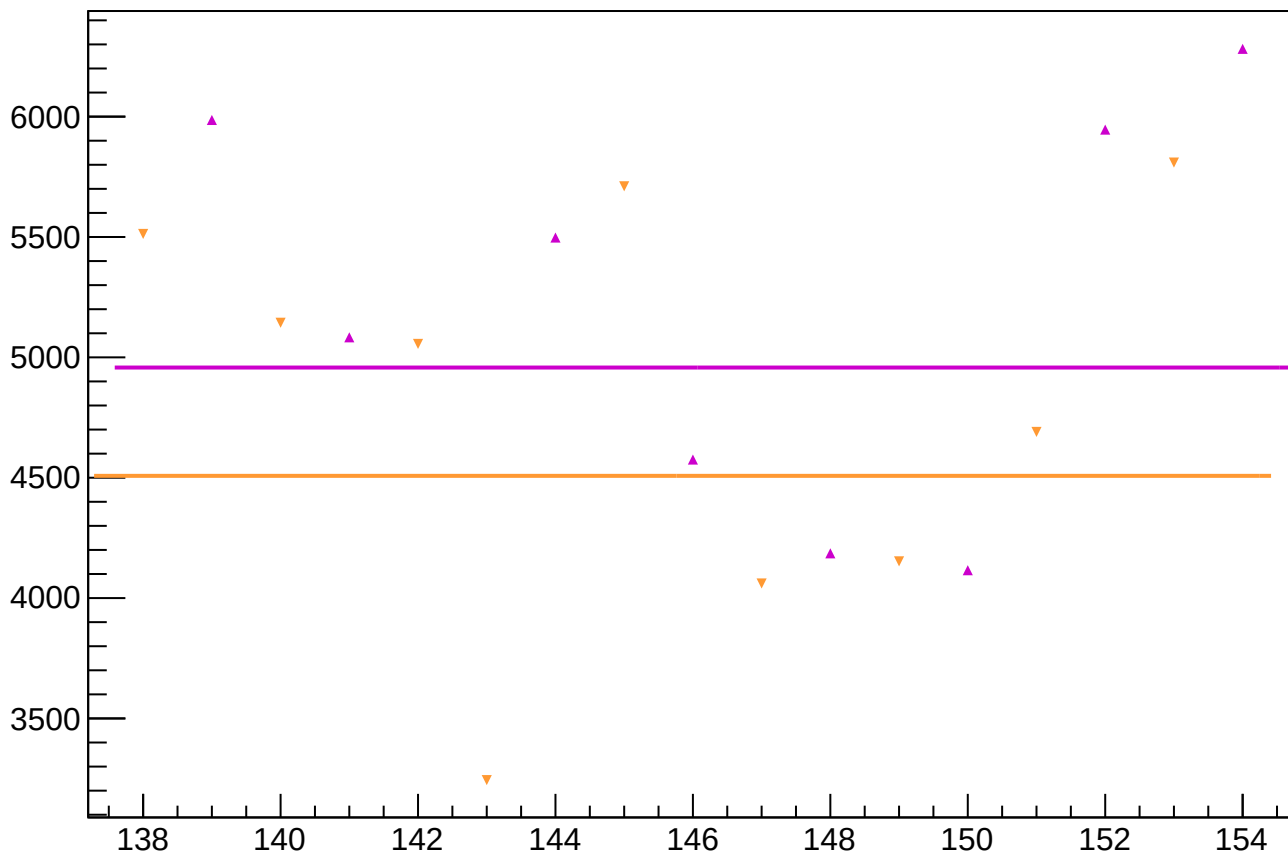
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2503.021+/-1949.036 χ^2/NDF : 4.2/7

Out: -570.501+/-1796.646 χ^2/NDF : 7.8/8

All: 841.422+/-1321.014 χ^2/NDF : 13.3/16

asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



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

Left Out: 4507.789+/-1.270 χ^2/NDF : 463940.2/8

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

Left In: 4957.684+/-1.378 χ^2/NDF : 323219.0/7

Left: 4714.463+/-0.934 χ^2/NDF : 844769.9/16

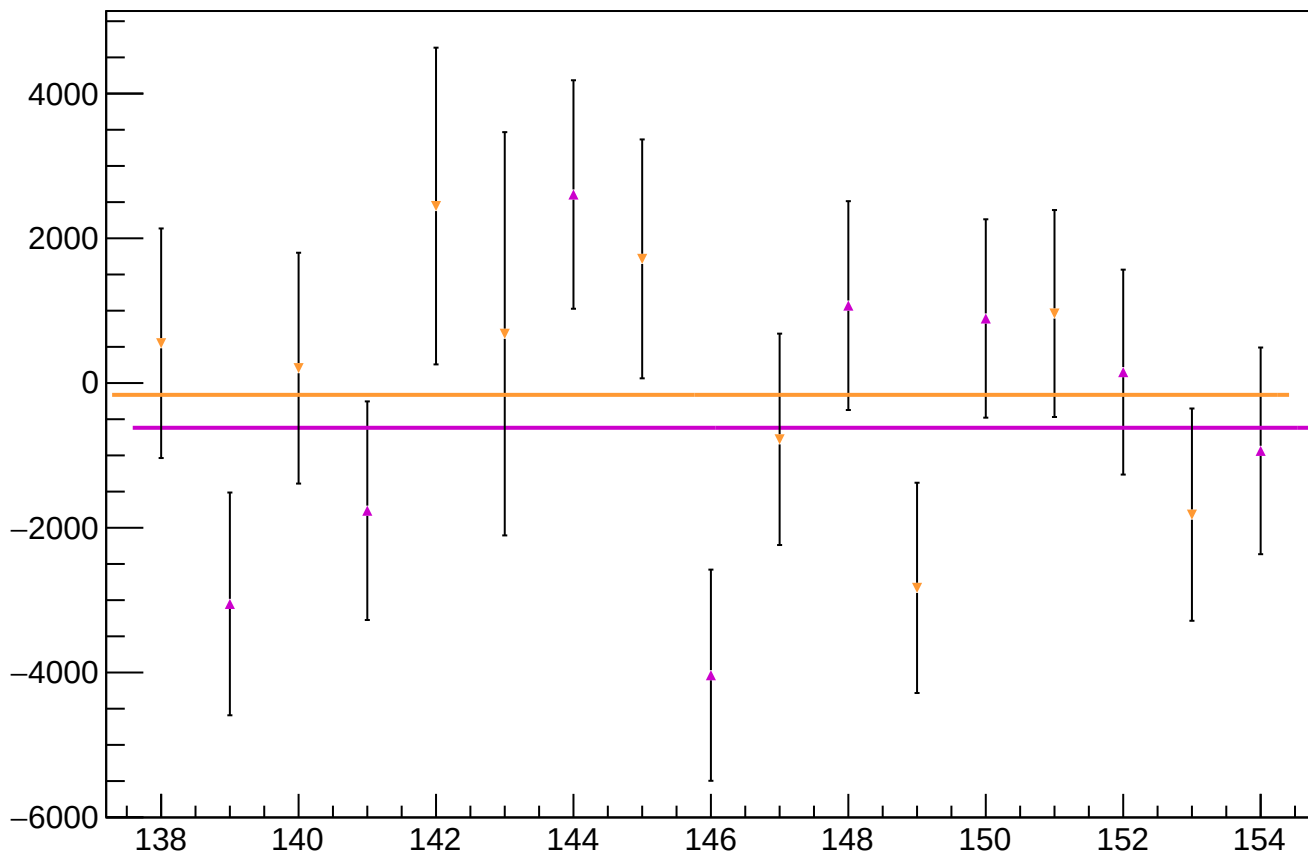
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4957.684+/-1.378 χ^2/NDF : 323219.0/7

Out: 4507.789+/-1.270 χ^2/NDF : 463940.2/8

All: 4714.463+/-0.934 χ^2/NDF : 844769.9/16

dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



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

Left Out: -163.142+/-542.990 χ^2/NDF :8.5/8

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

Left In: -618.194+/-517.559 χ^2/NDF :15.7/7

Left: -401.574+/-374.638 χ^2/NDF : 24.5/16

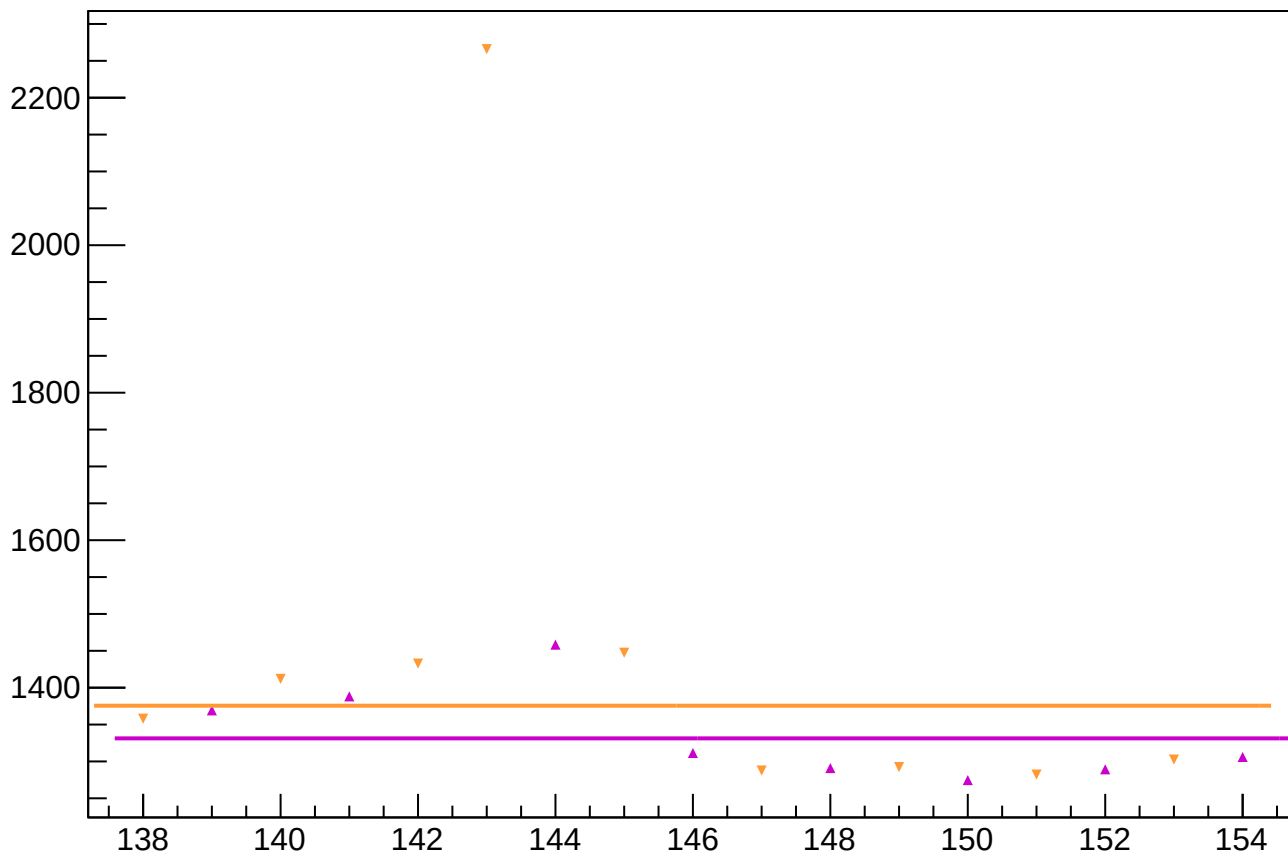
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -618.194+/-517.559 χ^2/NDF :15.7/7

Out: -163.142+/-542.990 χ^2/NDF :8.5/8

All: -401.574+/-374.638 χ^2/NDF : 24.5/16

dit_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



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

Left Out: 1375.578+/-0.384 χ^2/NDF :237931.0/8

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

Left In: 1331.268+/-0.366 χ^2/NDF :24731.7/7

Left: 1352.361+/-0.265 χ^2/NDF : 269641.1/16

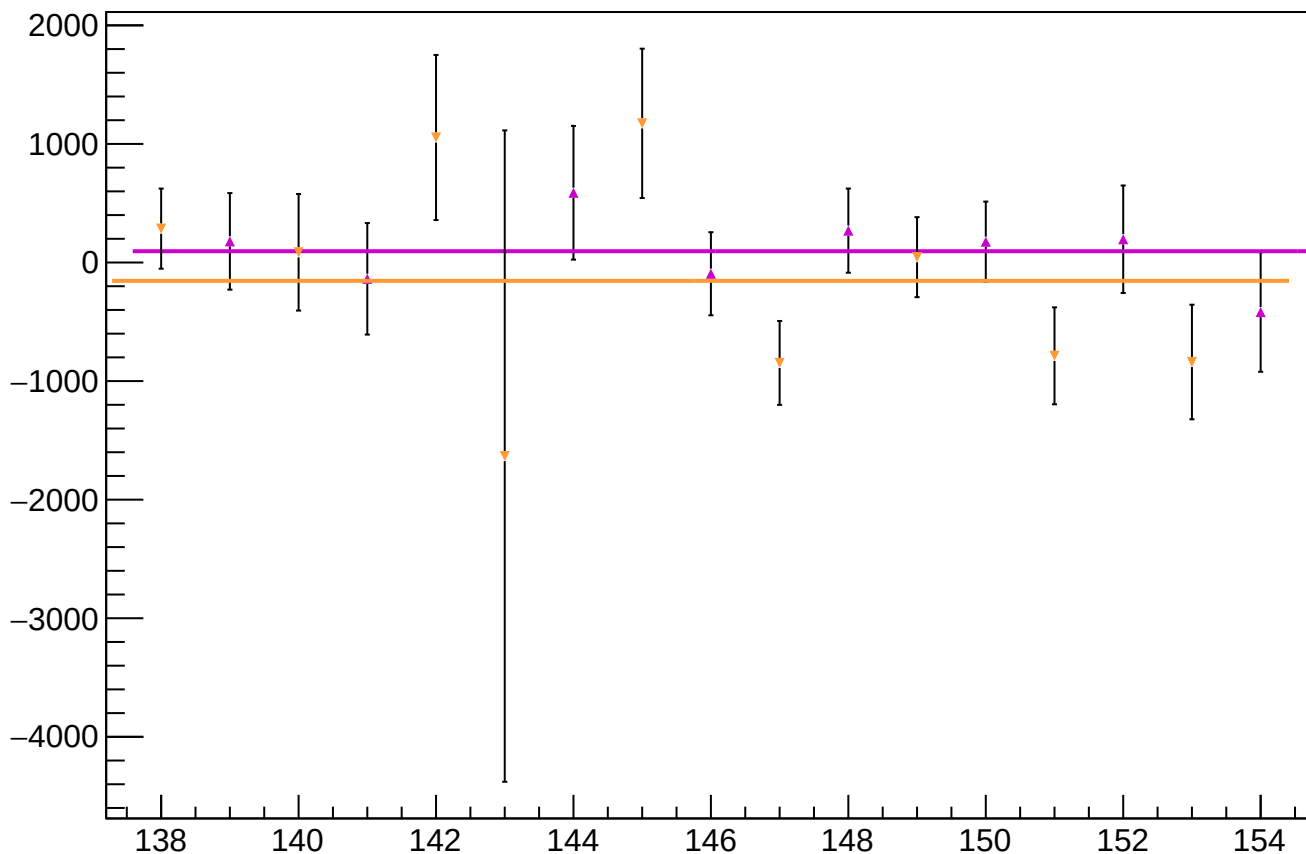
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1331.268+/-0.366 χ^2/NDF :24731.7/7

Out: 1375.578+/-0.384 χ^2/NDF :237931.0/8

All: 1352.361+/-0.265 χ^2/NDF : 269641.1/16

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: -154.523+/-149.634 χ^2/NDF :18.3/8

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

Left In: 95.188+/-145.372 χ^2/NDF :2.7/7

Left: -26.061+/-104.268 χ^2/NDF : 22.4/16

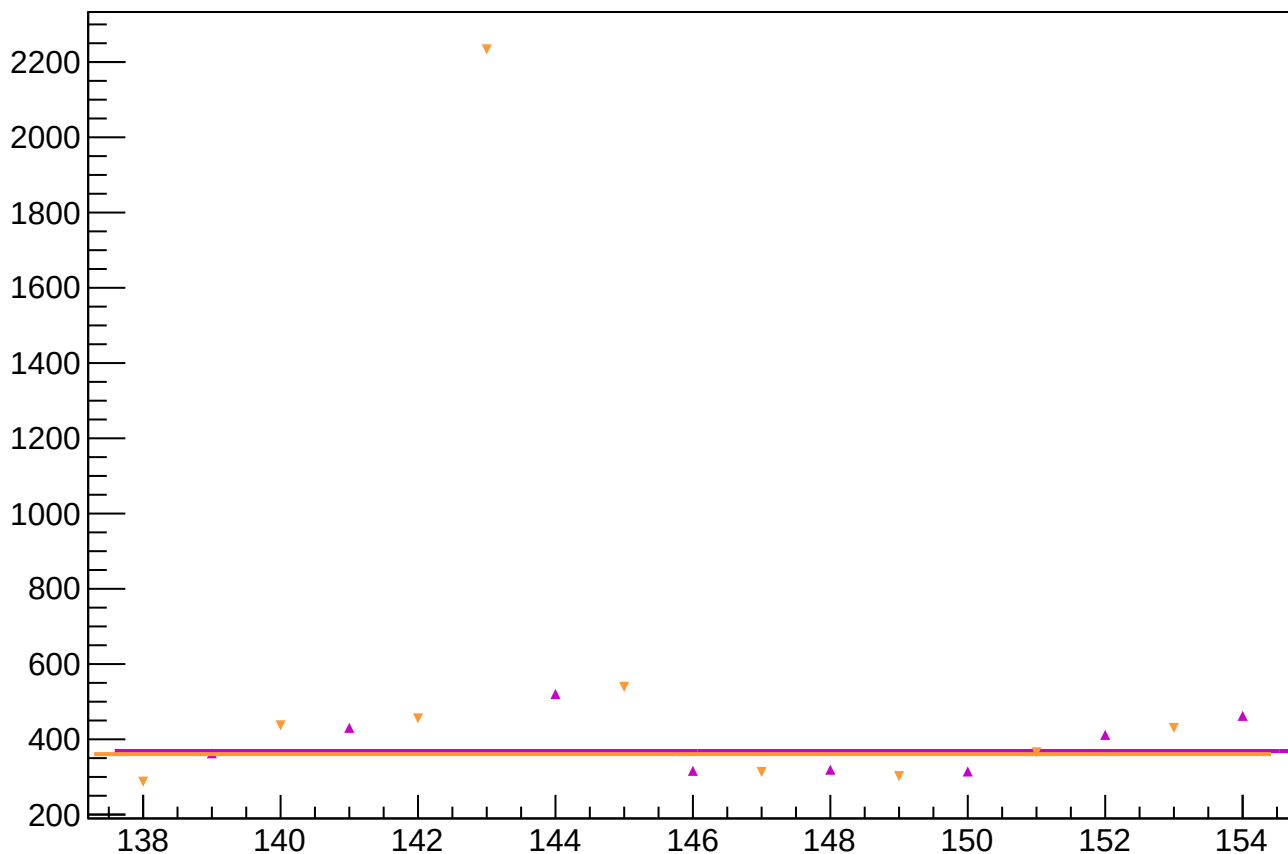
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 95.188+/-145.372 χ^2/NDF :2.7/7

Out: -154.523+/-149.634 χ^2/NDF :18.3/8

All: -26.061+/-104.268 χ^2/NDF : 22.4/16

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: 360.697+/-0.106 χ^2/NDF :1408731.1/8

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

Left In: 368.909+/-0.103 χ^2/NDF :402001.0/7

Left: 364.922+/-0.074 χ^2/NDF : 1813830.7/16

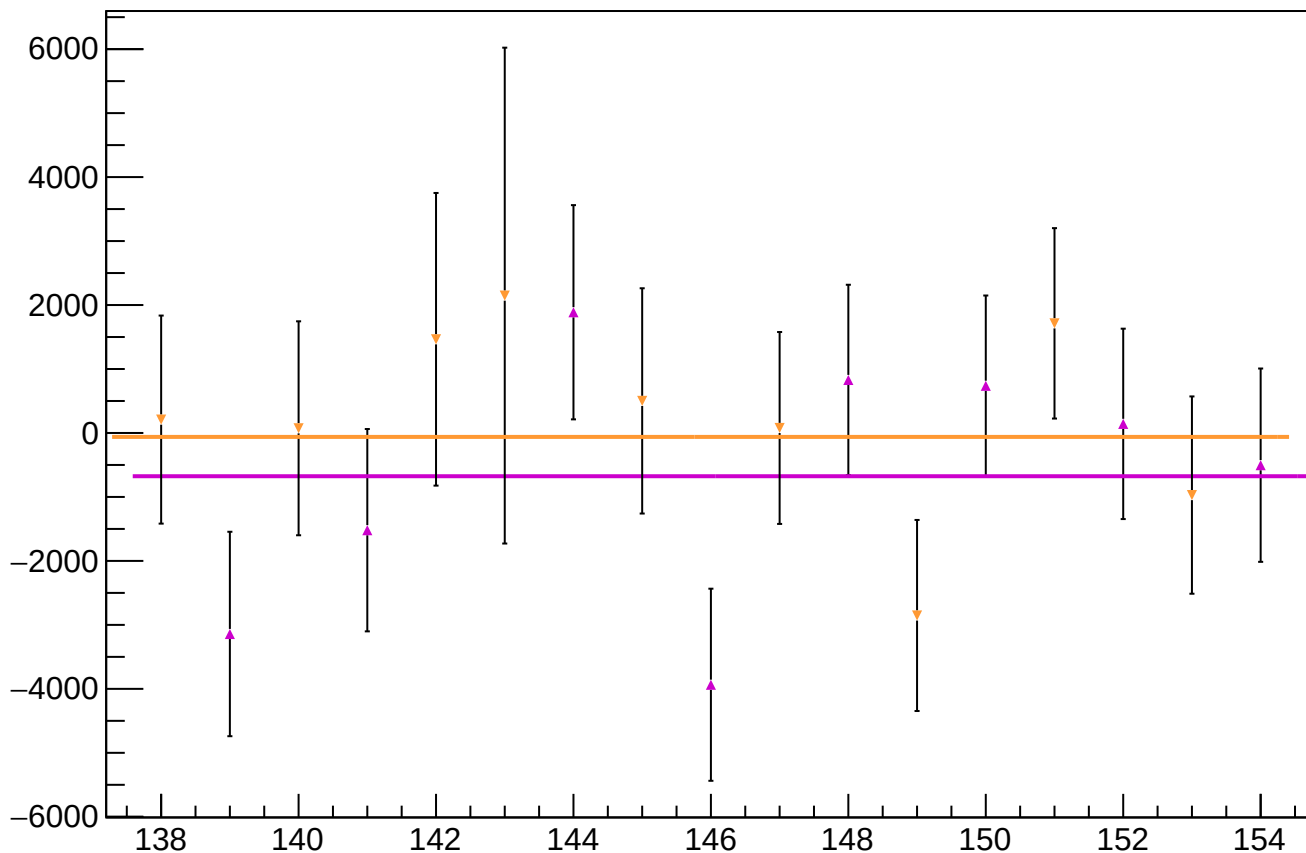
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 368.909+/-0.103 χ^2/NDF :402001.0/7

Out: 360.697+/-0.106 χ^2/NDF :1408731.1/8

All: 364.922+/-0.074 χ^2/NDF : 1813830.7/16

asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



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

Left Out: -61.492+/-569.721 χ^2/NDF : 6.2/8

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

Left In: -676.180+/-539.553 χ^2/NDF : 12.1/7

Left: -385.541+/-391.753 χ^2/NDF : 18.9/16

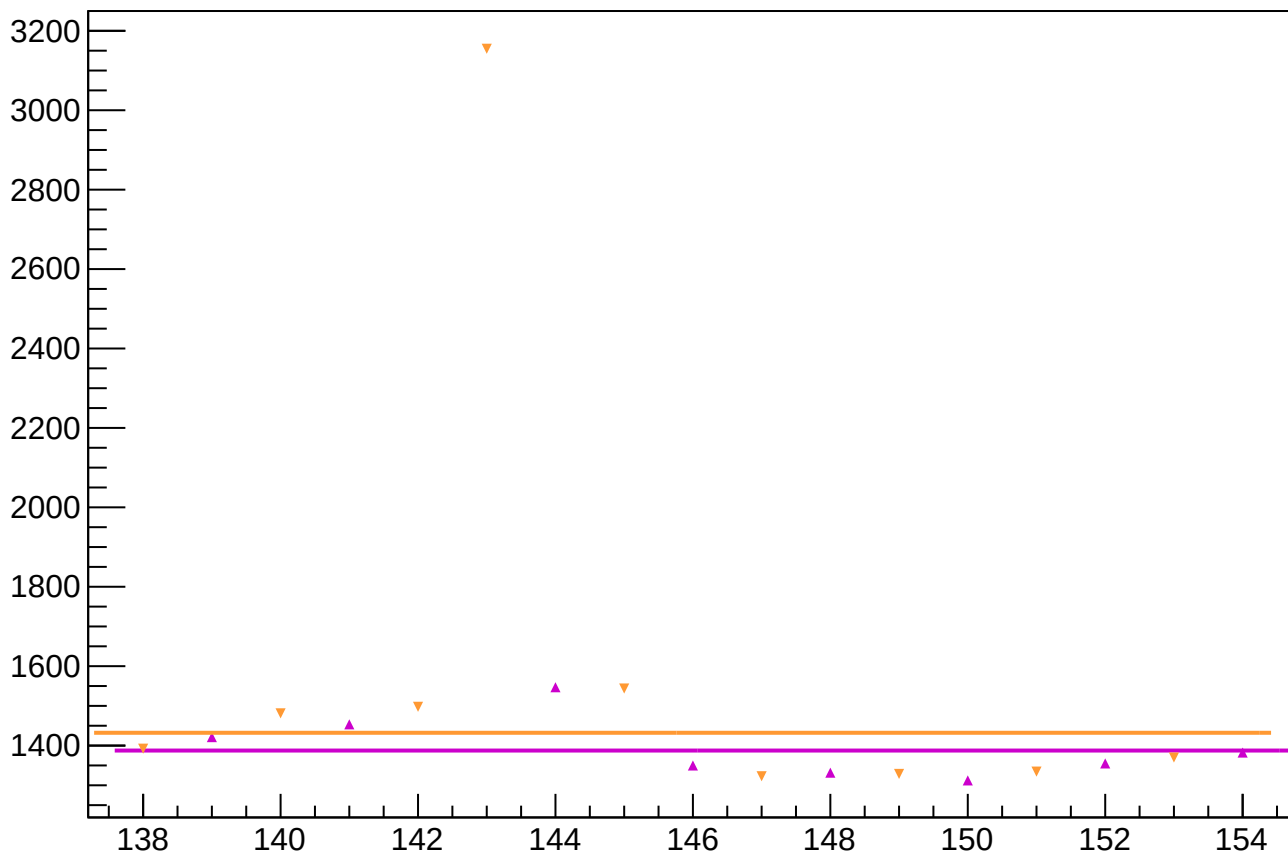
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -676.180+/-539.553 χ^2/NDF : 12.1/7

Out: -61.492+/-569.721 χ^2/NDF : 6.2/8

All: -385.541+/-391.753 χ^2/NDF : 18.9/16

asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: 1432.268 $\pm$ 0.403 χ^2/NDF :439855.5/8

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left In: 1387.528 $\pm$ 0.382 χ^2/NDF :33223.4/7

Left: 1408.682 $\pm$ 0.277 χ^2/NDF : 479581.0/16

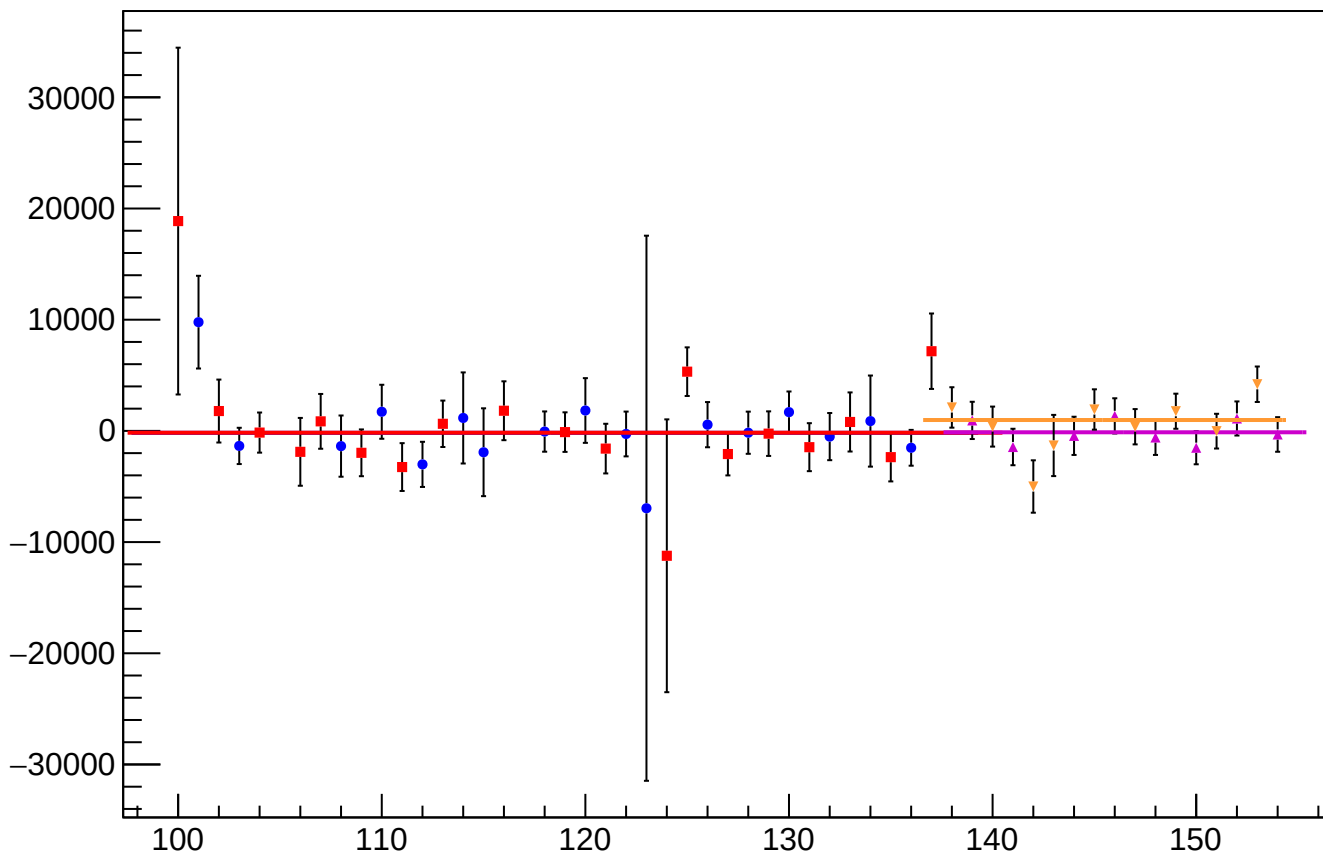
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 1387.528 $\pm$ 0.382 χ^2/NDF :33223.4/7

Out: 1432.268 $\pm$ 0.403 χ^2/NDF :439855.5/8

All: 1408.682 $\pm$ 0.277 χ^2/NDF : 479581.0/16

dit_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -174.841 ± 554.659 χ^2/NDF : 11.8/16

Left Out: 978.073 ± 594.529 χ^2/NDF : 12.8/8

Right Out: -164.937 ± 540.101 χ^2/NDF : 20.7/18

Left In: -125.353 ± 562.505 χ^2/NDF : 3.6/7

Left: 395.843 ± 408.604 χ^2/NDF : 18.2/16

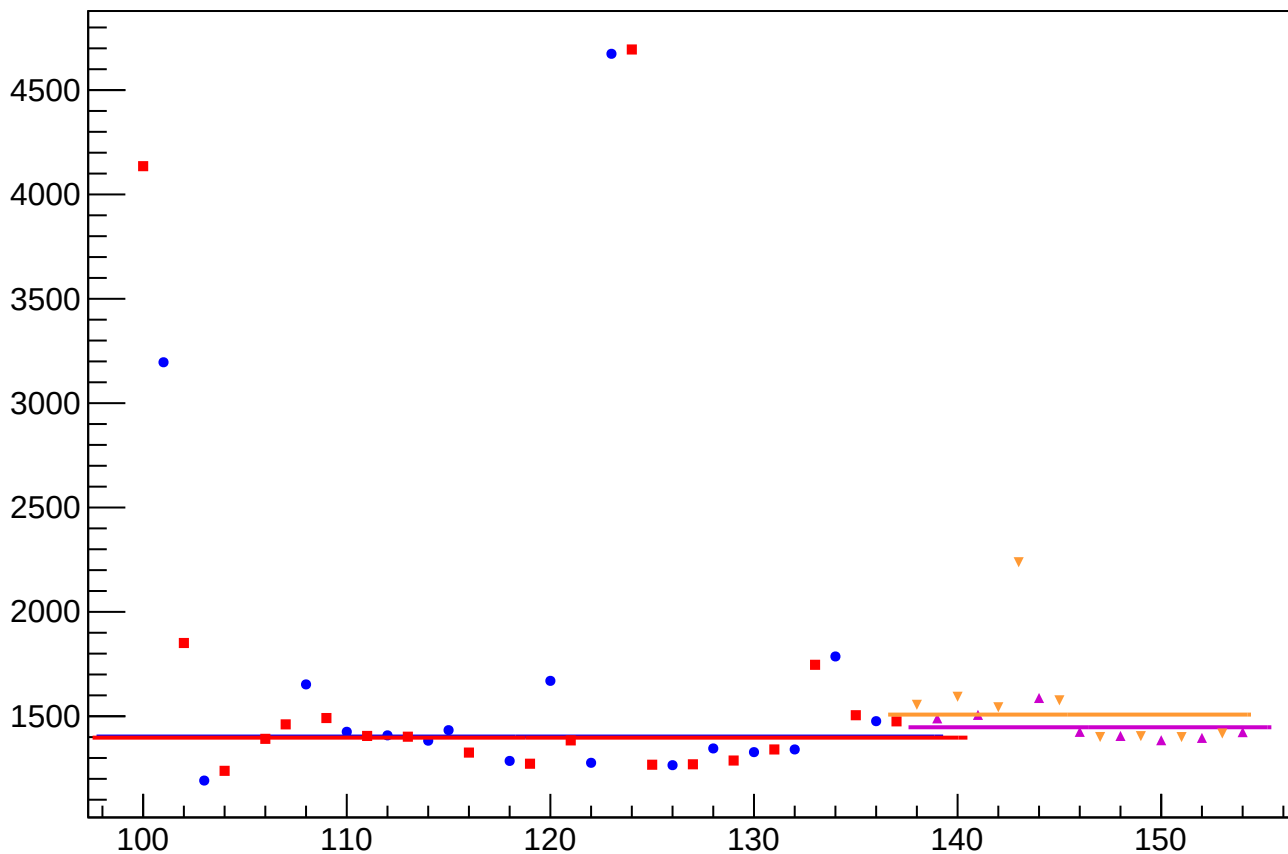
Right: -169.758 ± 386.953 χ^2/NDF : 32.4/35

In: -150.445 ± 394.948 χ^2/NDF : 15.4/24

Out: 351.864 ± 399.770 χ^2/NDF : 35.5/27

All: 97.662 ± 280.959 χ^2/NDF : 51.6/52

dit_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 1402.709 ± 0.392 $\chi^2/\text{NDF}: 526326.4/16$

Left Out: 1507.903 ± 0.420 $\chi^2/\text{NDF}: 183530.8/8$

Right Out: 1397.442 ± 0.382 $\chi^2/\text{NDF}: 353365.4/18$

Left In: 1447.147 ± 0.398 $\chi^2/\text{NDF}: 25167.7/7$

Left: 1475.844 ± 0.289 $\chi^2/\text{NDF}: 219719.2/16$

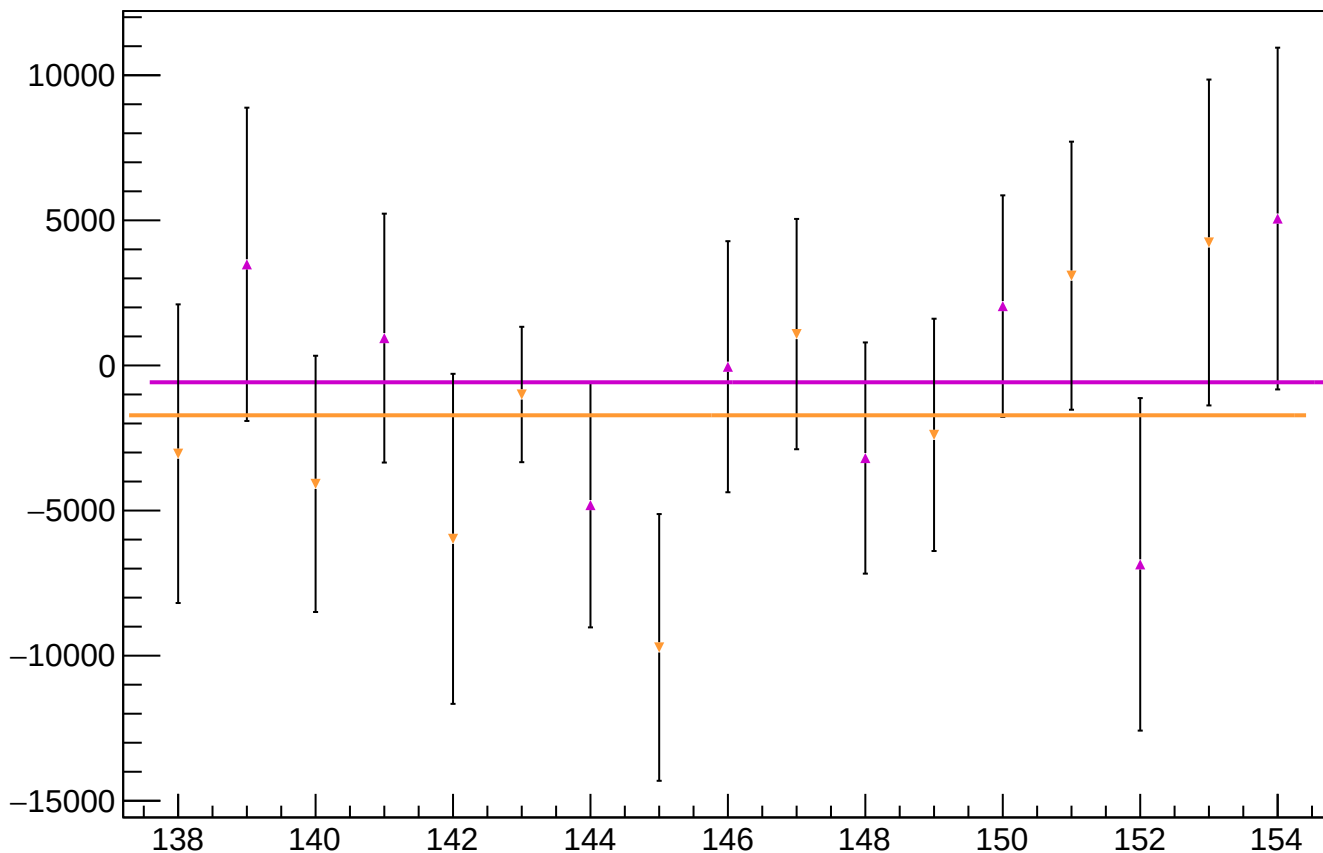
Right: 1400.004 ± 0.274 $\chi^2/\text{NDF}: 879784.5/35$

In: 1424.616 ± 0.279 $\chi^2/\text{NDF}: 557822.9/24$

Out: 1447.354 ± 0.283 $\chi^2/\text{NDF}: 574739.6/27$

All: 1435.851 ± 0.199 $\chi^2/\text{NDF}: 1135838.1/52$

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: -1717.154+/-1341.421 χ^2/NDF :6.8/8

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

Left In: -579.657+/-1602.383 χ^2/NDF :4.7/7

Left: -1248.456+/-1028.579 χ^2/NDF : 11.8/16

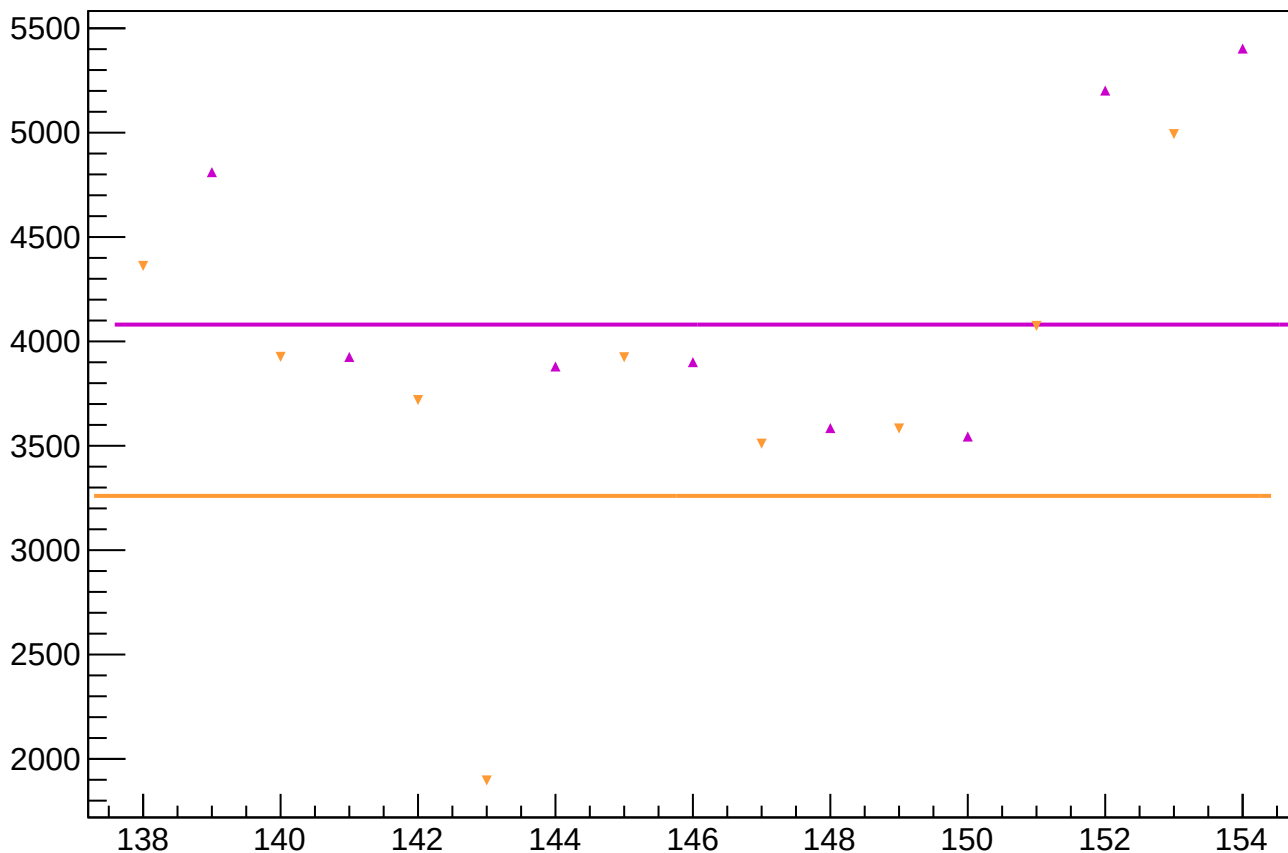
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -579.657+/-1602.383 χ^2/NDF :4.7/7

Out: -1717.154+/-1341.421 χ^2/NDF :6.8/8

All: -1248.456+/-1028.579 χ^2/NDF : 11.8/16

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: 3260.001+/-0.949 χ^2/NDF :1148848.9/8

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

Left In: 4080.556+/-1.133 χ^2/NDF :295152.0/7

Left: 3598.105+/-0.727 χ^2/NDF : 1752361.7/16

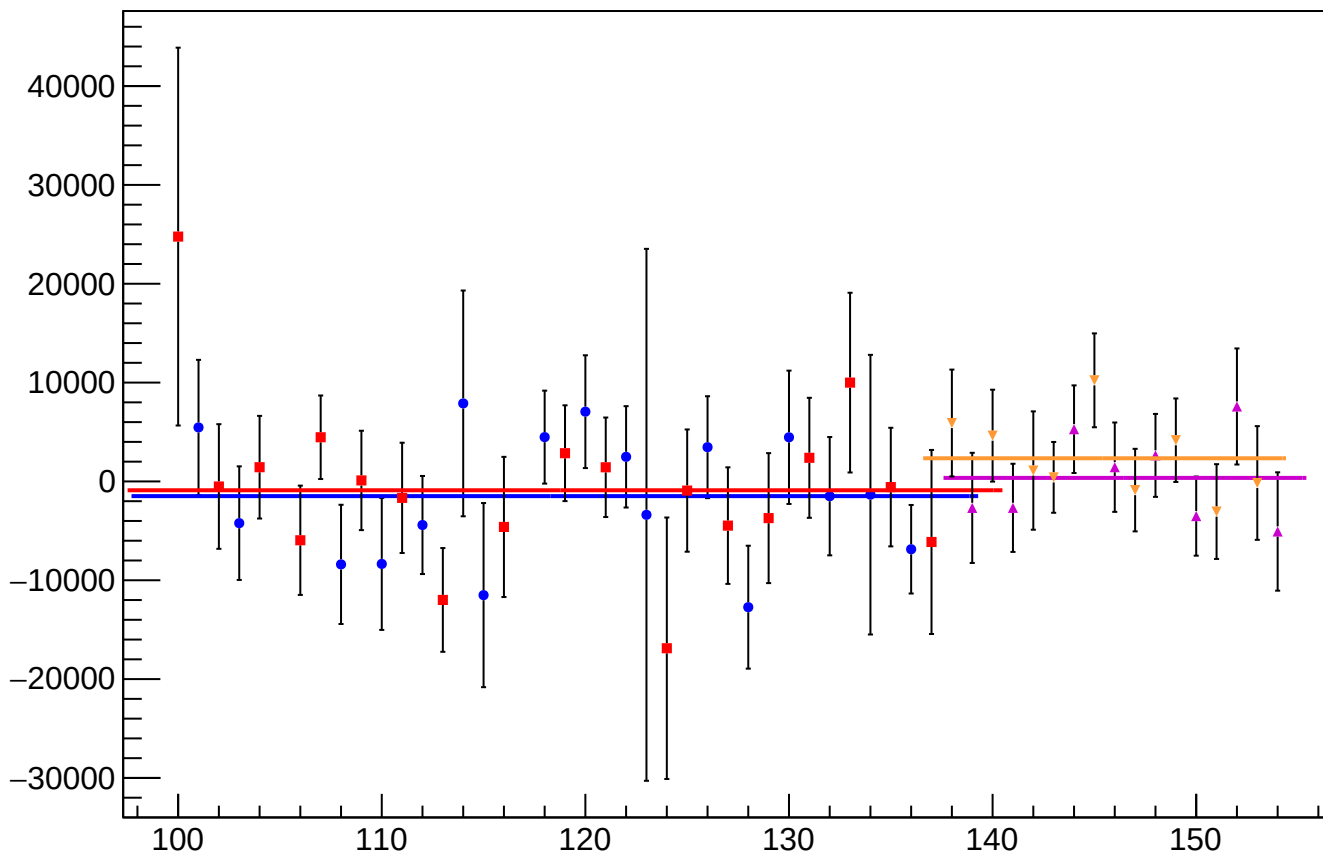
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4080.556+/-1.133 χ^2/NDF :295152.0/7

Out: 3260.001+/-0.949 χ^2/NDF :1148848.9/8

All: 3598.105+/-0.727 χ^2/NDF : 1752361.7/16

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1487.038 $\pm$ 1499.116 χ^2 /NDF: 16.7/16

Left Out: 2343.098 $\pm$ 1547.090 χ^2 /NDF:6.0/8

Right Out: -894.160 $\pm$ 1378.910 χ^2 /NDF: 14.1/18

Left In: 356.897 $\pm$ 1670.448 χ^2 /NDF:5.6/7

Left: 1426.035 $\pm$ 1135.065 χ^2 /NDF: 12.4/16

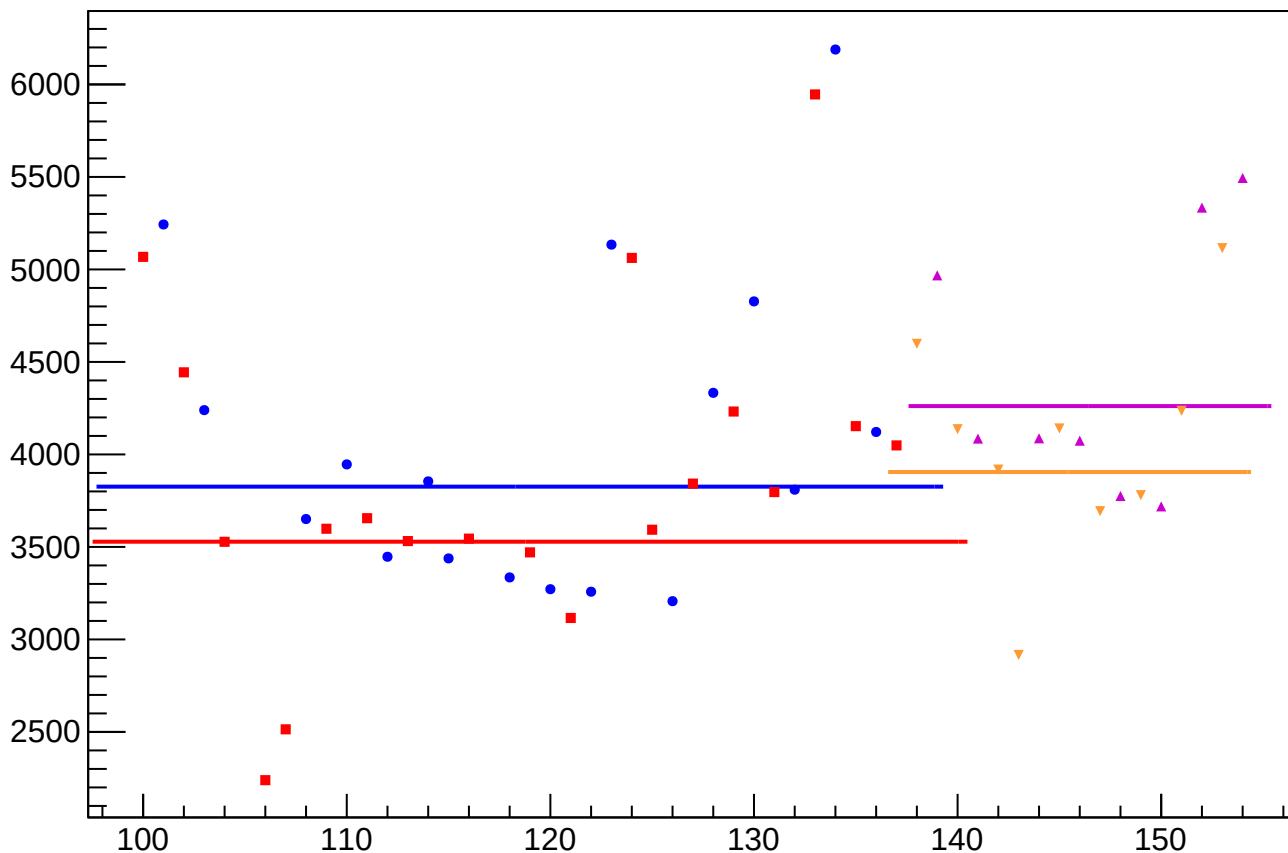
Right: -1165.879 $\pm$ 1014.876 χ^2 /NDF: 30.9/35

In: -664.454 $\pm$ 1115.707 χ^2 /NDF:23.0/24

Out: 539.011 $\pm$ 1029.380 χ^2 /NDF:22.6/27

All: -14.368 $\pm$ 756.562 χ^2 /NDF: 46.2/52

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3825.844 $\pm$ 1.060 χ^2/NDF : 334404.3/16

Left Out: 3904.956 $\pm$ 1.094 χ^2/NDF : 300158.3/8

Right Out: 3528.289 $\pm$ 0.966 χ^2/NDF : 555414.1/18

Left In: 4261.349 $\pm$ 1.181 χ^2/NDF : 256877.5/7

Left: 4069.509 $\pm$ 0.803 χ^2/NDF : 606039.9/16

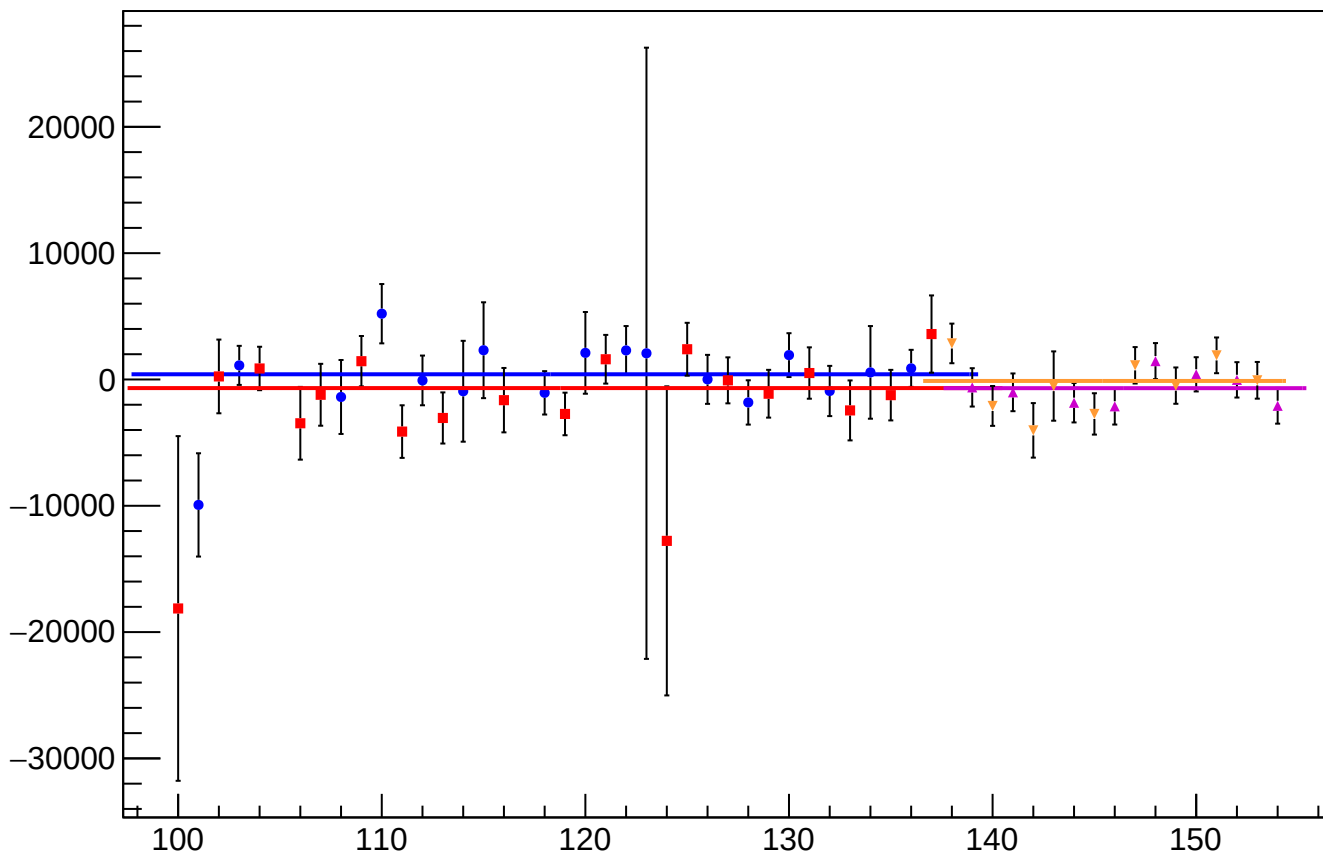
Right: 3663.316 $\pm$ 0.714 χ^2/NDF : 932858.8/35

In: 4020.118 $\pm$ 0.789 χ^2/NDF : 666581.0/24

Out: 3693.349 $\pm$ 0.724 χ^2/NDF : 922174.5/27

All: 3842.777 $\pm$ 0.533 χ^2/NDF : 1681864.4/52

dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 411.419 $\pm$ 527.980 χ^2 /NDF: 16.5/16

Left Out: -117.208 $\pm$ 537.123 χ^2 /NDF:13.9/8

Right Out: -682.176 $\pm$ 510.196 χ^2 /NDF: 18.0/18

Left In: -688.158 $\pm$ 511.720 χ^2 /NDF:5.7/7

Left: -416.503 $\pm$ 370.496 χ^2 /NDF: 20.2/16

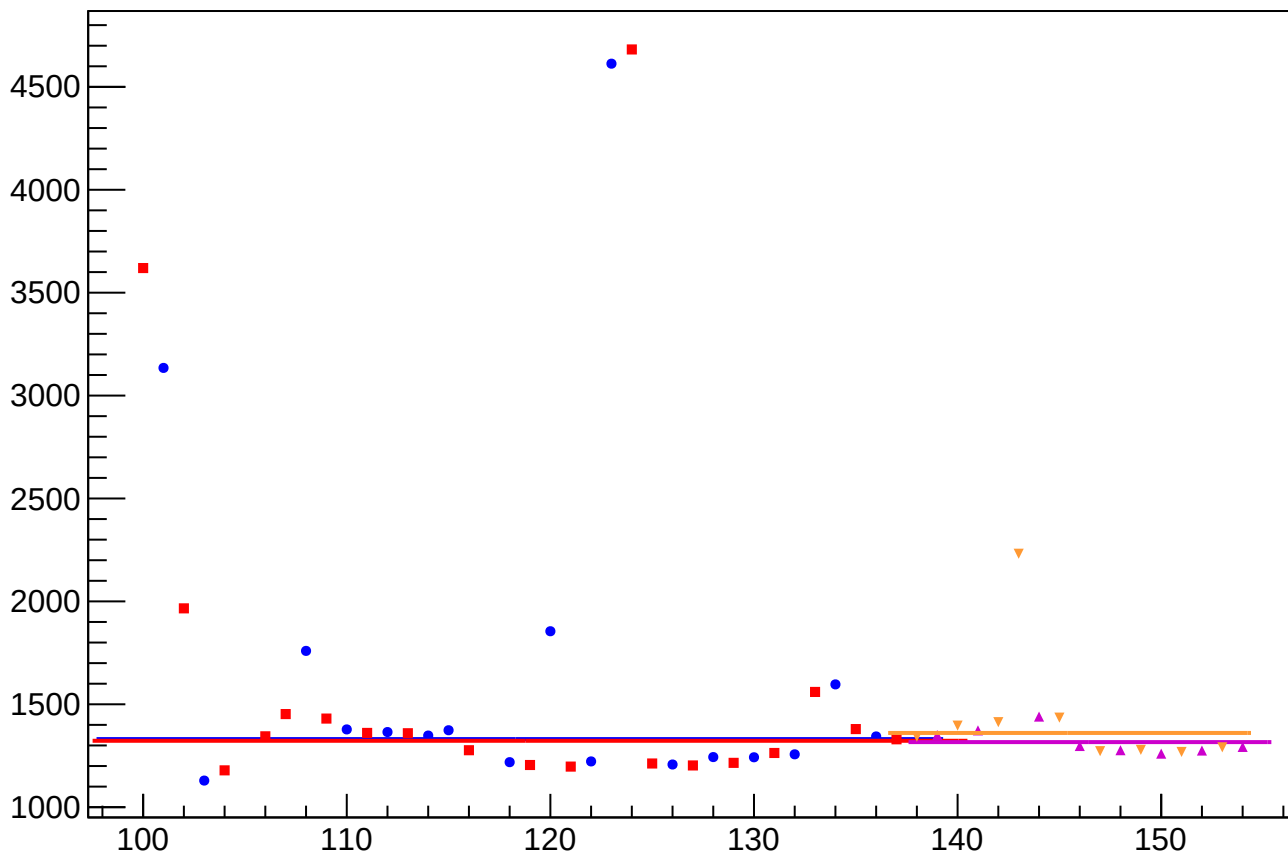
Right: -154.107 $\pm$ 366.889 χ^2 /NDF: 36.8/35

In: -155.562 $\pm$ 367.455 χ^2 /NDF:24.4/24

Out: -414.208 $\pm$ 369.916 χ^2 /NDF:32.5/27

All: -284.022 $\pm$ 260.696 χ^2 /NDF: 57.2/52

dit_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1330.889+/-0.373 χ^2/NDF : 603474.5/16

Left Out: 1360.750+/-0.380 χ^2/NDF : 235142.7/8

Right Out: 1322.706+/-0.361 χ^2/NDF : 394413.6/18

Left In: 1316.264+/-0.362 χ^2/NDF : 24121.3/7

Left: 1337.430+/-0.262 χ^2/NDF : 266455.5/16

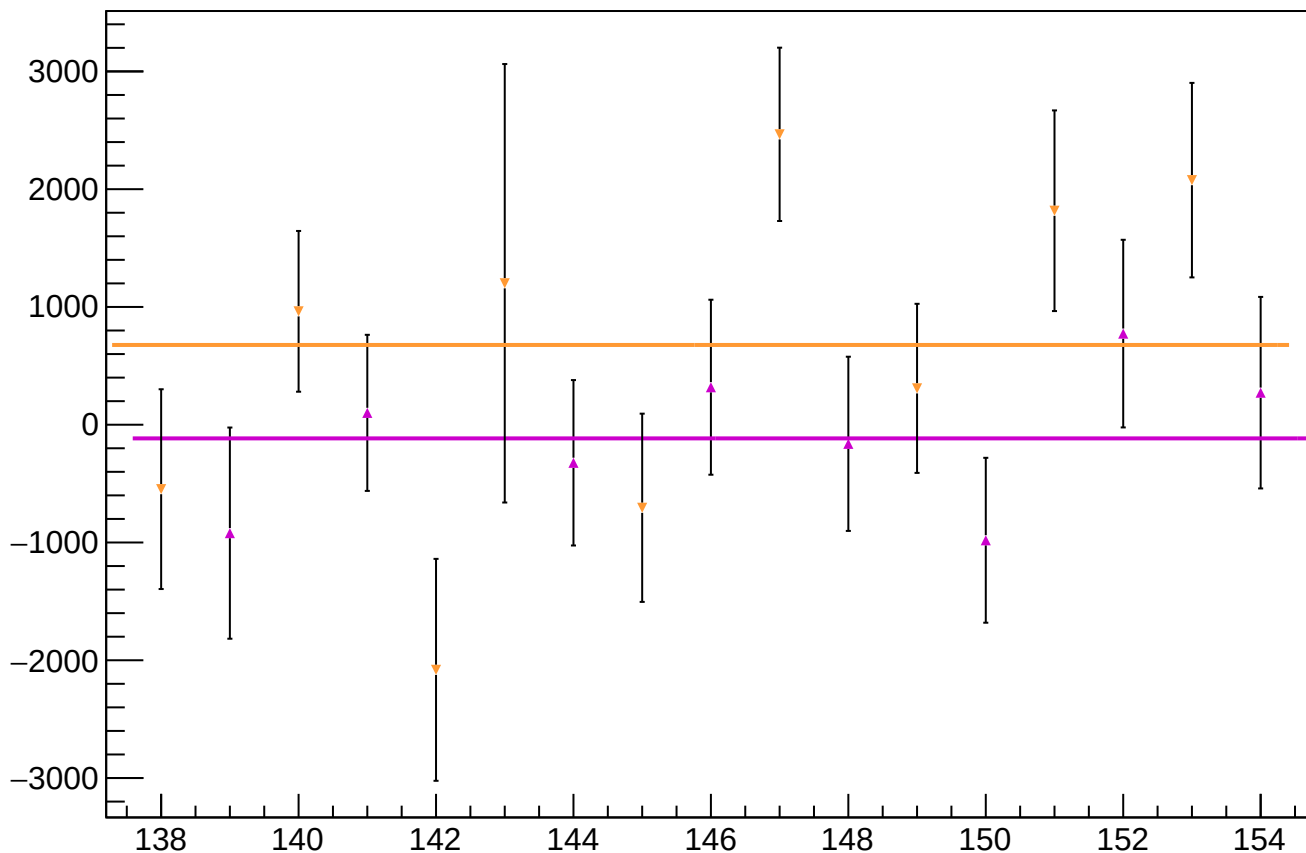
Right: 1326.657+/-0.259 χ^2/NDF : 998136.6/35

In: 1323.348+/-0.260 χ^2/NDF : 628387.0/24

Out: 1340.750+/-0.262 χ^2/NDF : 634831.0/27

All: 1331.991+/-0.184 χ^2/NDF : 1265445.9/52

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: 677.295+/-275.776 χ^2/NDF :24.7/8

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

Left In: -116.076+/-264.292 χ^2/NDF :4.3/7

Left: 263.747+/-190.813 χ^2/NDF : 33.4/16

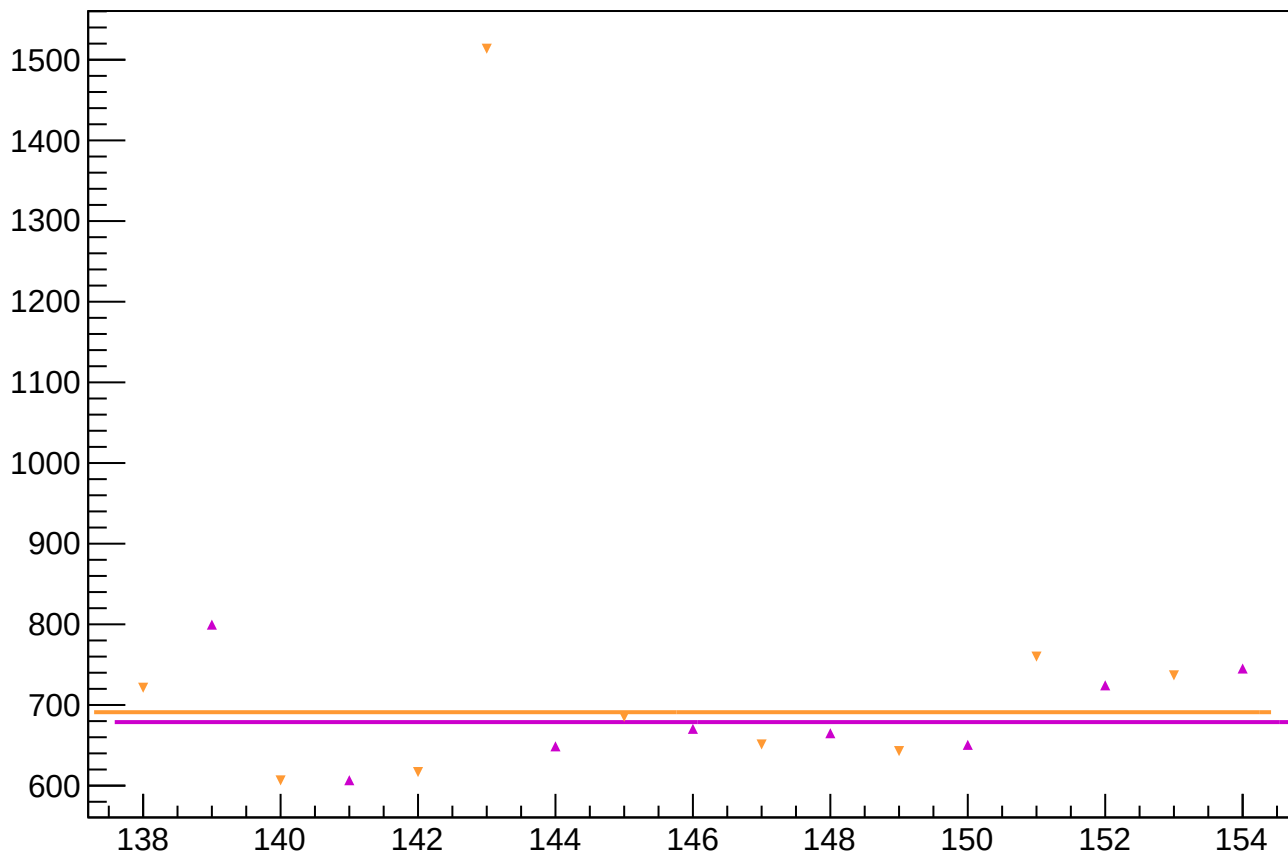
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -116.076+/-264.292 χ^2/NDF :4.3/7

Out: 677.295+/-275.776 χ^2/NDF :24.7/8

All: 263.747+/-190.813 χ^2/NDF : 33.4/16

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: 691.060+/-0.195 χ^2/NDF :470420.4/8

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

Left In: 678.781+/-0.187 χ^2/NDF :87719.4/7

Left: 684.660+/-0.135 χ^2/NDF : 560206.7/16

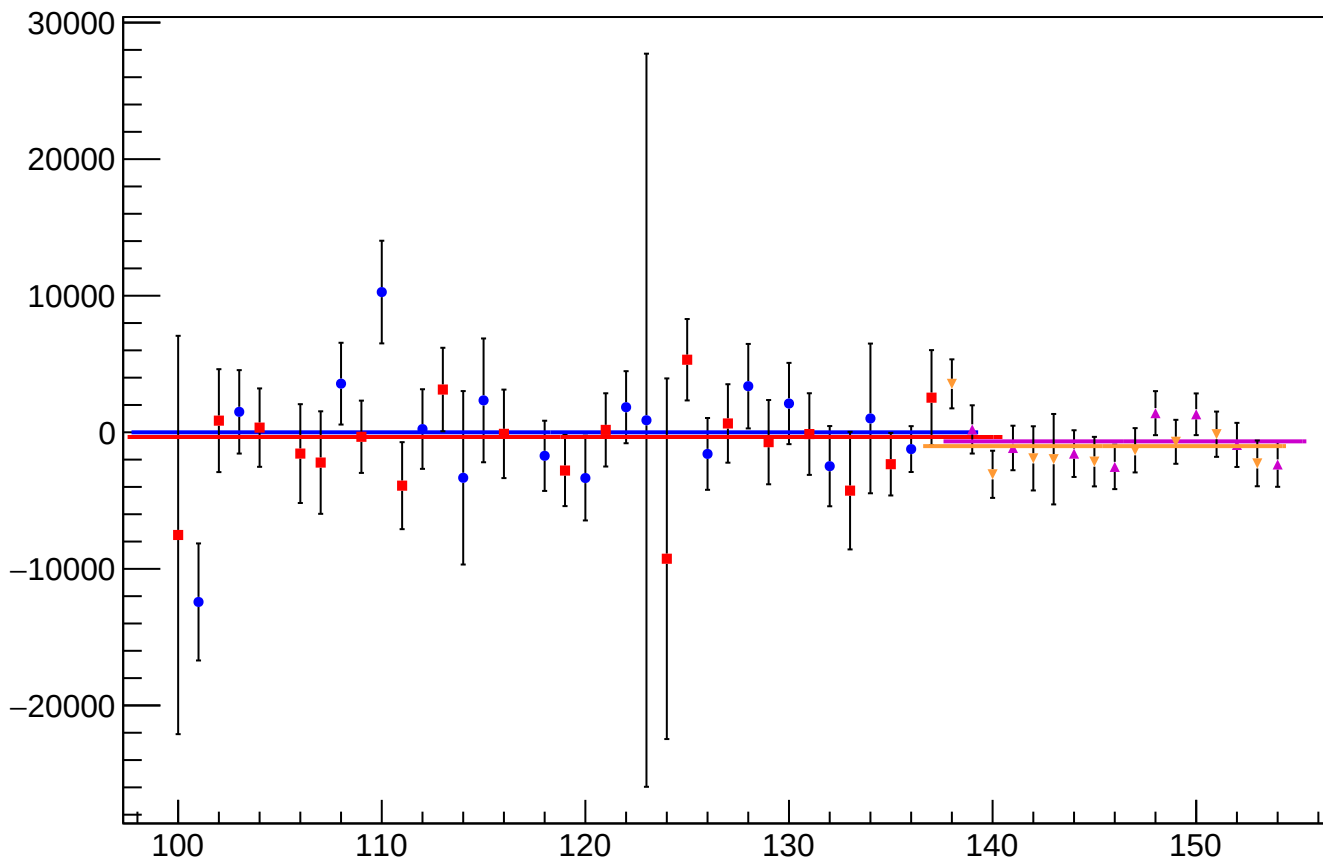
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 678.781+/-0.187 χ^2/NDF :87719.4/7

Out: 691.060+/-0.195 χ^2/NDF :470420.4/8

All: 684.660+/-0.135 χ^2/NDF : 560206.7/16

asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: -2.204 ± 745.061 χ^2/NDF : 23.5/16

Left Out: -1012.726 ± 607.511 χ^2/NDF : 9.4/8

Right Out: -345.148 ± 733.723 χ^2/NDF : 10.7/18

Left In: -663.623 ± 578.621 χ^2/NDF : 6.3/7

Left: -829.677 ± 418.988 χ^2/NDF : 15.9/16

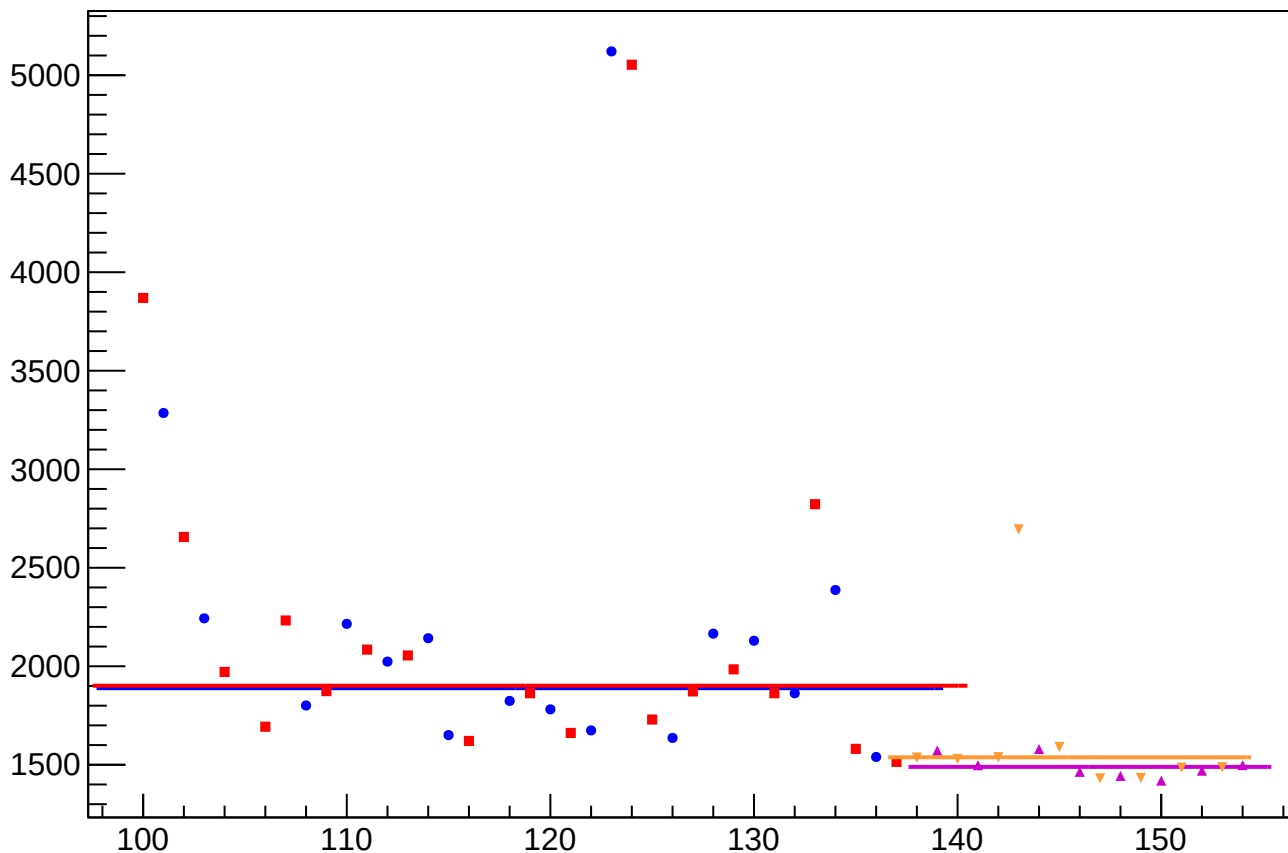
Right: -176.305 ± 522.783 χ^2/NDF : 34.3/35

In: -414.786 ± 456.995 χ^2/NDF : 30.3/24

Out: -741.206 ± 467.931 χ^2/NDF : 20.6/27

All: -574.137 ± 326.942 χ^2/NDF : 51.2/52

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1888.810+/-0.527 χ^2/NDF : 465842.8/16

Left Out: 1538.020+/-0.430 χ^2/NDF : 266787.1/8

Right Out: 1901.248+/-0.519 χ^2/NDF : 461424.3/18

Left In: 1489.332+/-0.409 χ^2/NDF : 16707.8/7

Left: 1512.491+/-0.296 χ^2/NDF : 290230.7/16

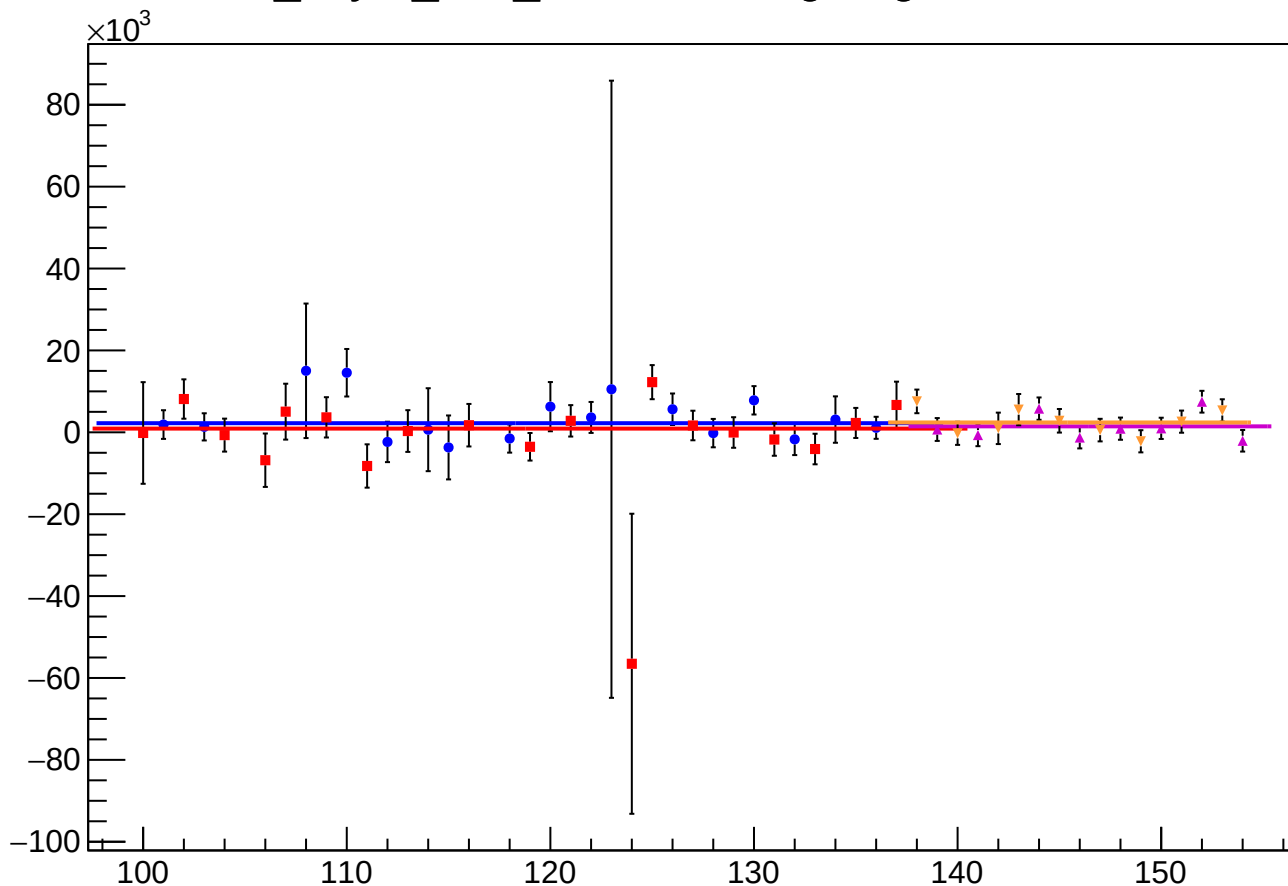
Right: 1895.125+/-0.370 χ^2/NDF : 927550.0/35

In: 1639.624+/-0.323 χ^2/NDF : 841200.2/24

Out: 1685.756+/-0.331 χ^2/NDF : 1019007.4/27

All: 1662.145+/-0.231 χ^2/NDF : 1870157.2/52

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 2227.517 $\pm$ 1039.288 χ^2 /NDF: 13.6/16

Left Out: 2405.178 $\pm$ 979.534 χ^2 /NDF:9.4/8

Right Out: 907.837 $\pm$ 1046.878 χ^2 /NDF: 22.9/18

Left In: 1455.720 $\pm$ 948.774 χ^2 /NDF:11.3/7

Left: 1915.307 $\pm$ 681.500 χ^2 /NDF: 21.2/16

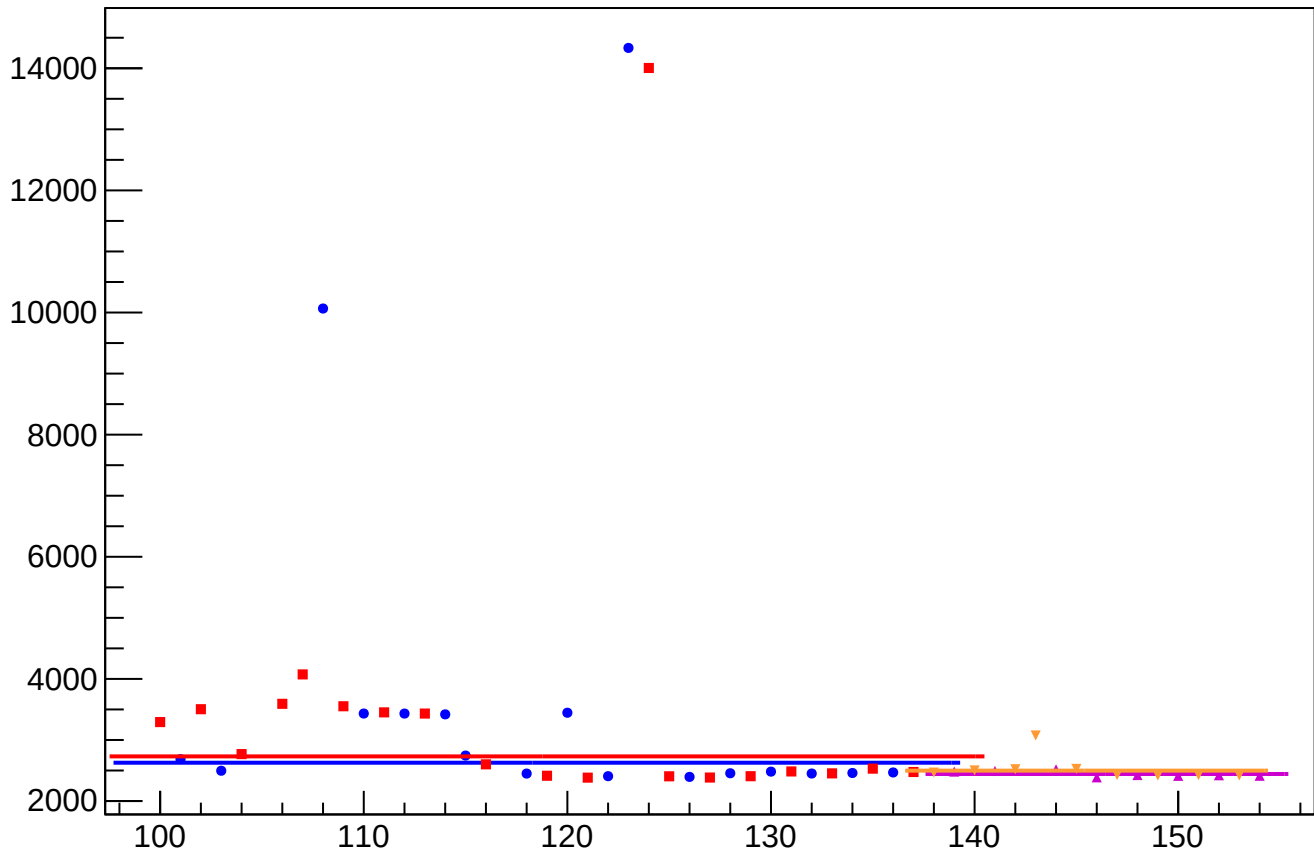
Right: 1572.479 $\pm$ 737.556 χ^2 /NDF: 37.3/35

In: 1806.553 $\pm$ 700.703 χ^2 /NDF:25.1/24

Out: 1706.214 $\pm$ 715.259 χ^2 /NDF:33.4/27

All: 1757.415 $\pm$ 500.539 χ^2 /NDF: 58.5/52

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2627.570 $\pm$ 0.735 χ^2 /NDF: 644396.7/16

Left Out: 2498.024 $\pm$ 0.693 χ^2 /NDF: 52381.0/8

Right Out: 2731.271 $\pm$ 0.740 χ^2 /NDF: 598207.5/18

Left In: 2443.169 $\pm$ 0.671 χ^2 /NDF: 4165.1/7

Left: 2469.722 $\pm$ 0.482 χ^2 /NDF: 59782.2/16

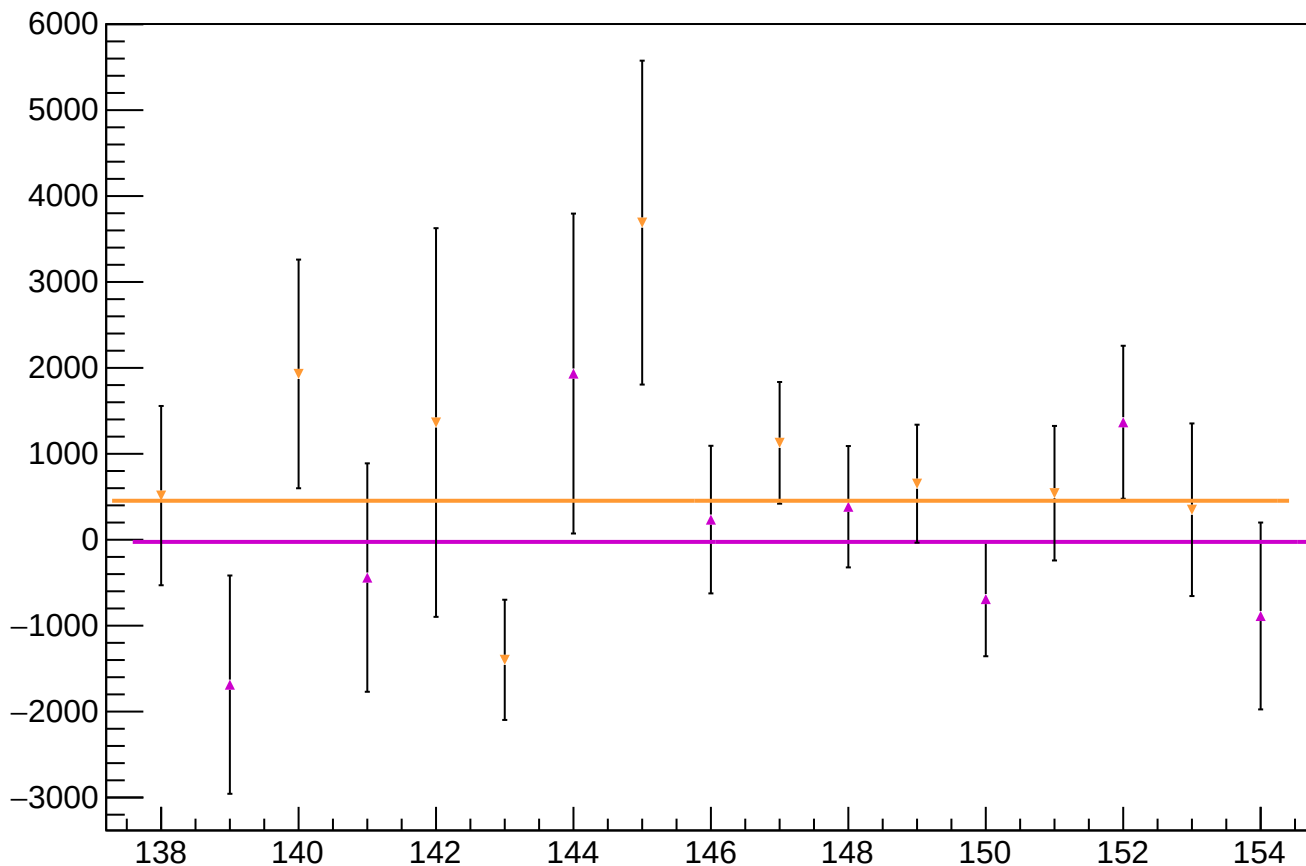
Right: 2679.043 $\pm$ 0.522 χ^2 /NDF: 1252488.0/35

In: 2526.992 $\pm$ 0.495 χ^2 /NDF: 682903.8/24

Out: 2606.904 $\pm$ 0.506 χ^2 /NDF: 703525.2/27

All: 2566.127 $\pm$ 0.354 χ^2 /NDF: 1399168.2/52

asym_atl1_correction_mean vs Slug, Sign Corrected



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

Left Out: 453.682+/-305.098 χ^2/NDF :12.4/8

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

Left In: -25.127+/-329.715 χ^2/NDF :7.4/7

Left: 232.818+/-223.934 χ^2/NDF : 20.9/16

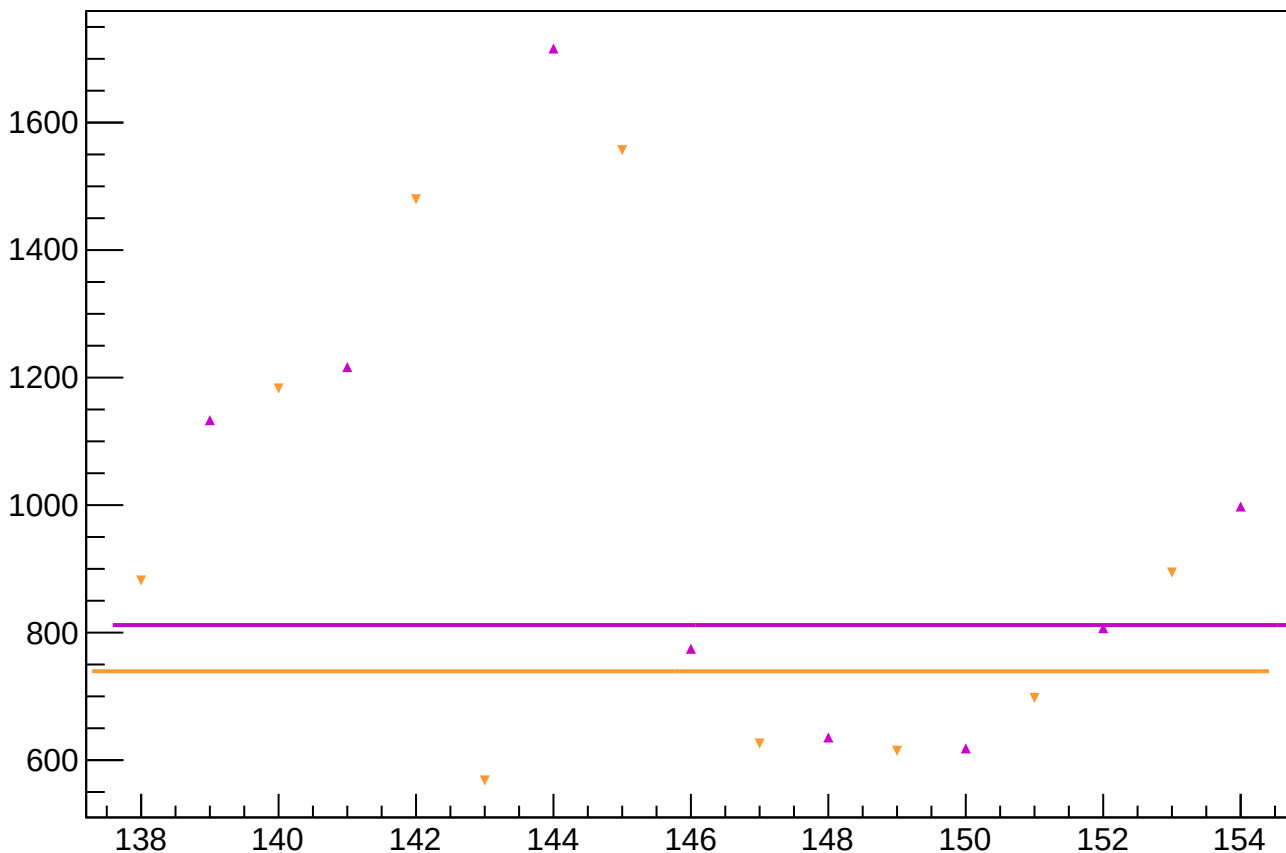
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -25.127+/-329.715 χ^2/NDF :7.4/7

Out: 453.682+/-305.098 χ^2/NDF :12.4/8

All: 232.818+/-223.934 χ^2/NDF : 20.9/16

asym_atl1_correction_rms vs Slug, Sign Corrected



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

Left Out: 739.427+/-0.216 χ^2/NDF :1140267.0/8

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

Left In: 811.873+/-0.233 χ^2/NDF :1141087.3/7

Left: 772.845+/-0.158 χ^2/NDF : 2333371.5/16

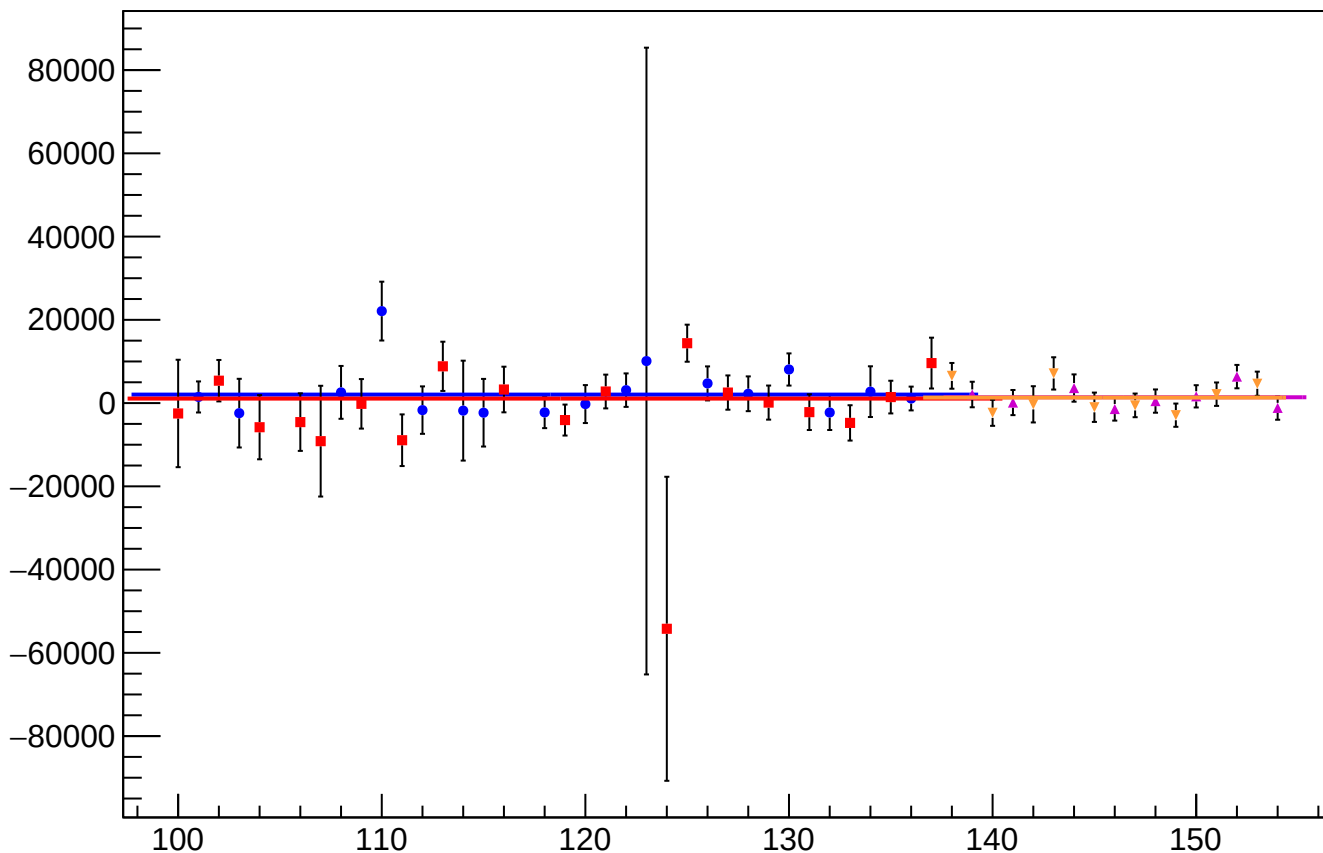
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 811.873+/-0.233 χ^2/NDF :1141087.3/7

Out: 739.427+/-0.216 χ^2/NDF :1140267.0/8

All: 772.845+/-0.158 χ^2/NDF : 2333371.5/16

asym_atl1_mean vs Slug, Sign Corrected



Right In: 2037.803+/-1151.419 χ^2/NDF : 14.8/16

Left Out: 1334.146+/-1052.300 χ^2/NDF : 11.2/8

Right Out: 1080.125+/-1186.666 χ^2/NDF : 25.3/18

Left In: 1399.723+/-1022.754 χ^2/NDF : 5.8/7

Left: 1367.868+/-733.419 χ^2/NDF : 16.9/16

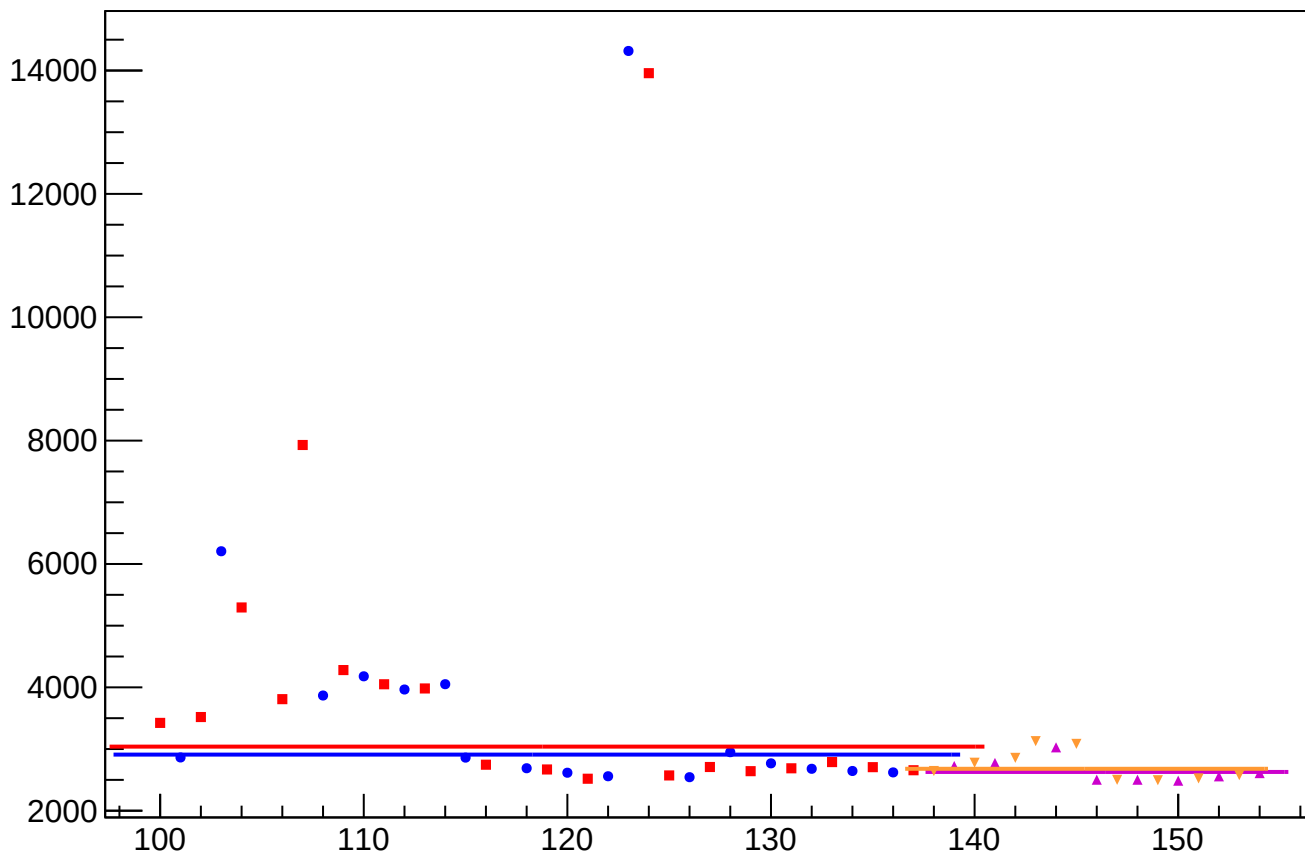
Right: 1573.398+/-826.356 χ^2/NDF : 40.5/35

In: 1681.134+/-764.656 χ^2/NDF : 20.8/24

Out: 1222.326+/-787.326 χ^2/NDF : 36.5/27

All: 1458.430+/-548.533 χ^2/NDF : 57.4/52

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2909.732+/-0.814 χ^2/NDF : 641894.7/16

Left Out: 2679.687+/-0.744 χ^2/NDF : 83916.4/8

Right Out: 3039.118+/-0.839 χ^2/NDF : 1011306.5/18

Left In: 2628.427+/-0.723 χ^2/NDF : 51363.8/7

Left: 2653.327+/-0.519 χ^2/NDF : 137720.7/16

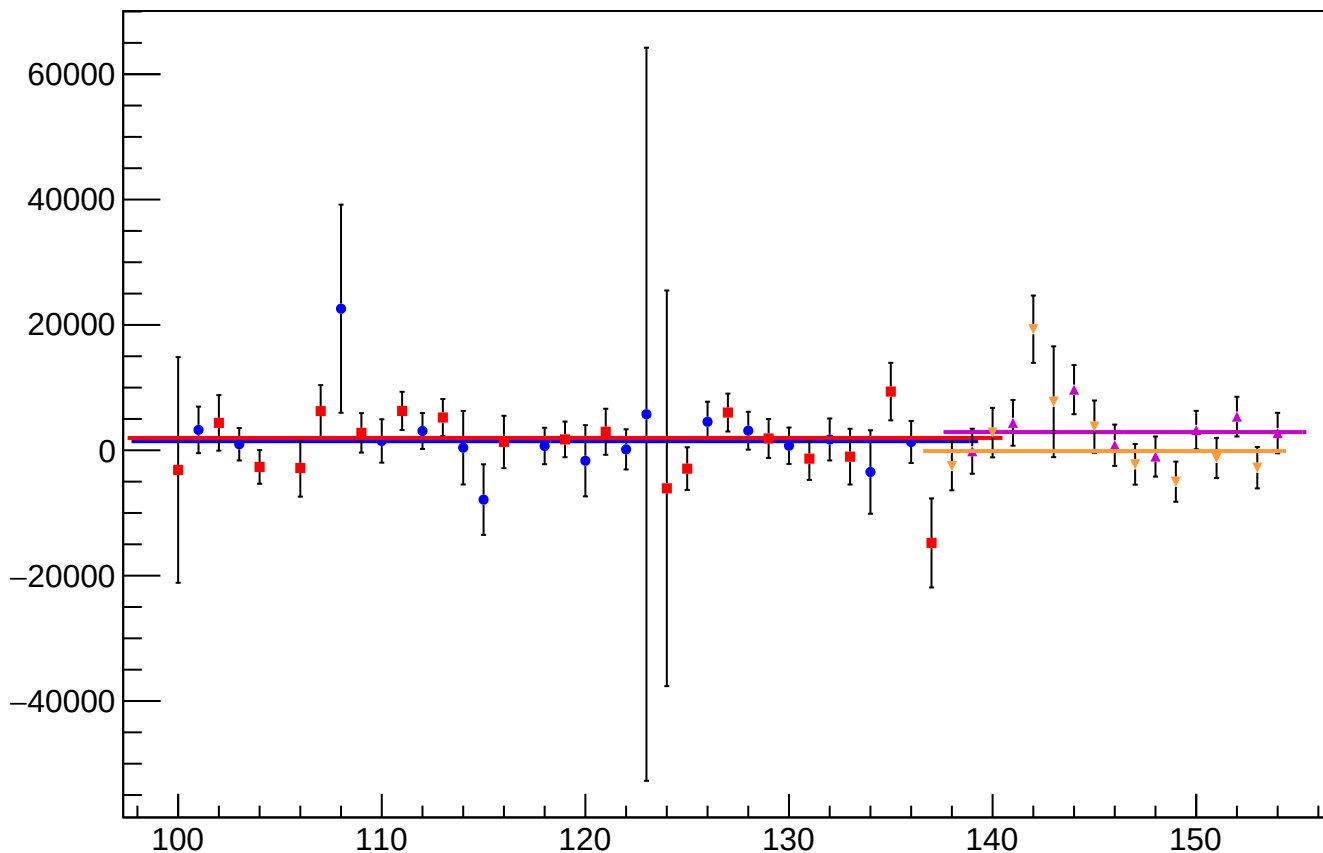
Right: 2972.475+/-0.584 χ^2/NDF : 1665447.8/35

In: 2752.491+/-0.541 χ^2/NDF : 759986.7/24

Out: 2837.909+/-0.557 χ^2/NDF : 1197938.3/27

All: 2793.952+/-0.388 χ^2/NDF : 1970039.3/52

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1451.980 $\pm$ 889.008 χ^2 /NDF: 7.4/16

Left Out: -120.272 $\pm$ 1273.166 χ^2 /NDF:19.2/8

Right Out: 1969.182 $\pm$ 850.490 χ^2 /NDF: 22.4/18

Left In: 2911.010 $\pm$ 1186.312 χ^2 /NDF:6.4/7

Left: 1502.282 $\pm$ 867.931 χ^2 /NDF: 28.7/16

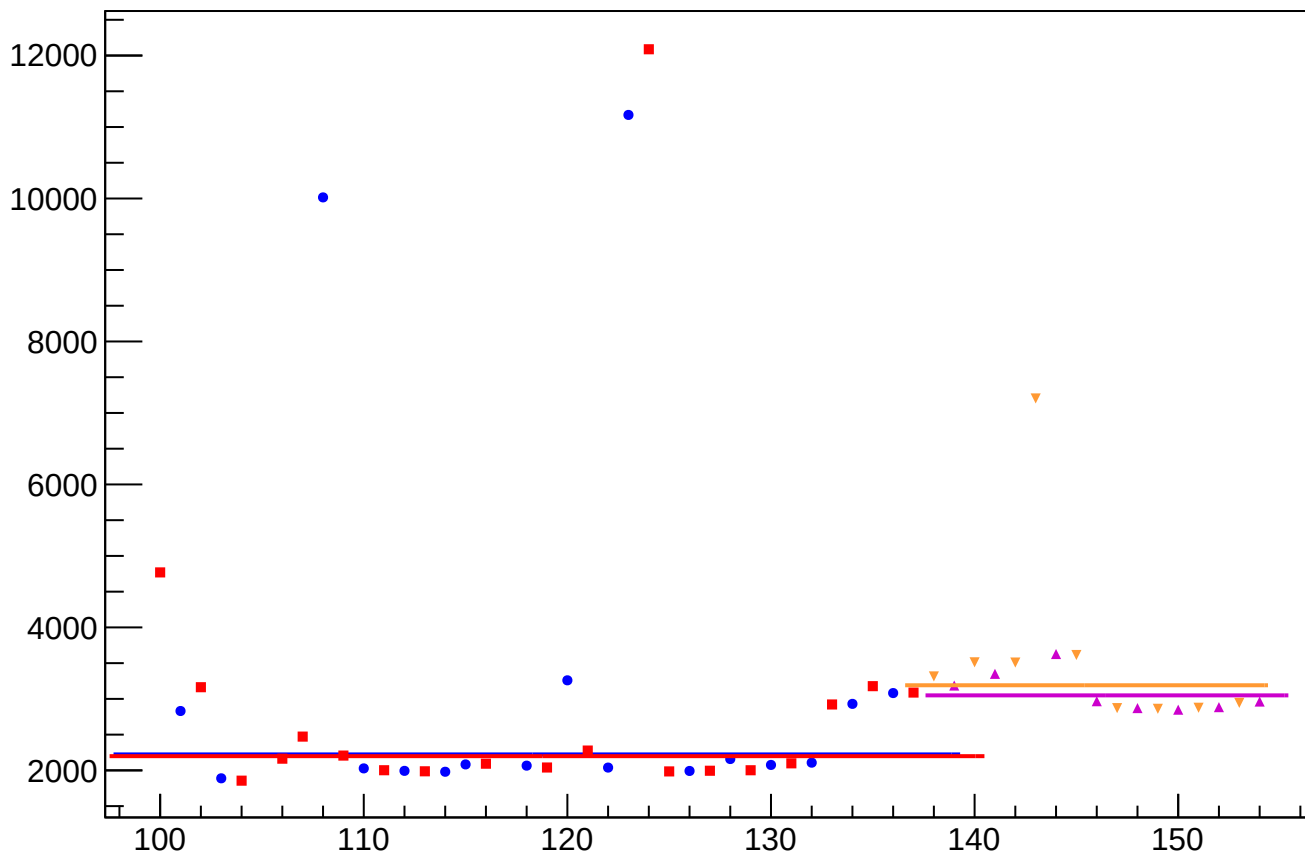
Right: 1722.028 $\pm$ 614.553 χ^2 /NDF: 30.0/35

In: 1976.682 $\pm$ 711.416 χ^2 /NDF:14.8/24

Out: 1324.477 $\pm$ 707.211 χ^2 /NDF:43.5/27

All: 1648.647 $\pm$ 501.554 χ^2 /NDF: 58.7/52

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2223.132 $\pm$ 0.629 χ^2 /NDF: 850289.4/16

Left Out: 3190.623 $\pm$ 0.900 χ^2 /NDF: 525773.0/8

Right Out: 2198.760 $\pm$ 0.601 χ^2 /NDF: 602418.1/18

Left In: 3049.271 $\pm$ 0.839 χ^2 /NDF: 83005.1/7

Left: 3114.961 $\pm$ 0.614 χ^2 /NDF: 621974.0/16

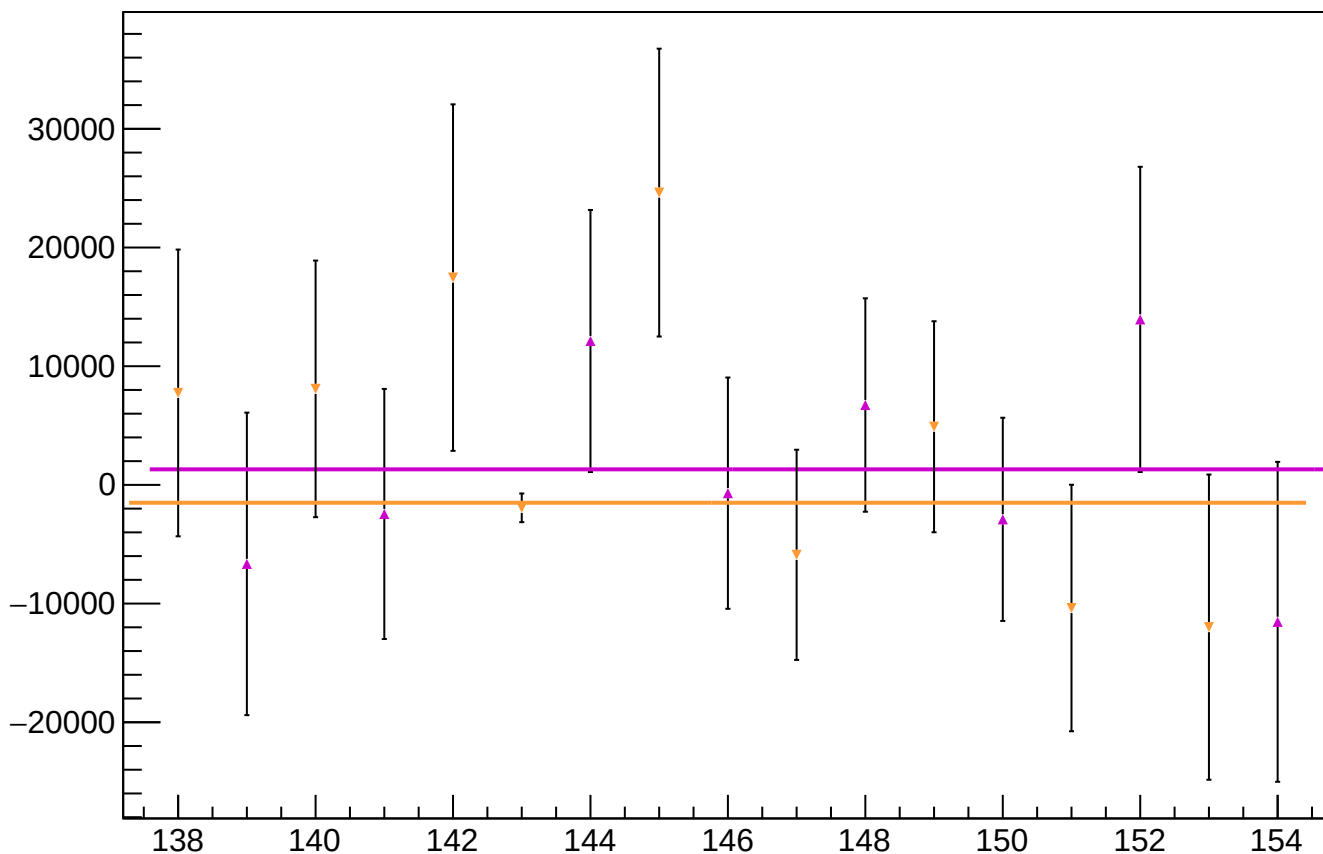
Right: 2210.398 $\pm$ 0.434 χ^2 /NDF: 1453492.9/35

In: 2520.231 $\pm$ 0.503 χ^2 /NDF: 1554411.6/24

Out: 2504.494 $\pm$ 0.500 χ^2 /NDF: 1967877.1/27

All: 2512.312 $\pm$ 0.355 χ^2 /NDF: 3522781.1/52

asym_atl2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1506.149+/-1153.053 χ^2/NDF :10.0/8

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

Left In: 1309.287+/-3740.577 χ^2/NDF :4.0/7

Left: -1261.837+/-1101.889 χ^2/NDF : 14.5/16

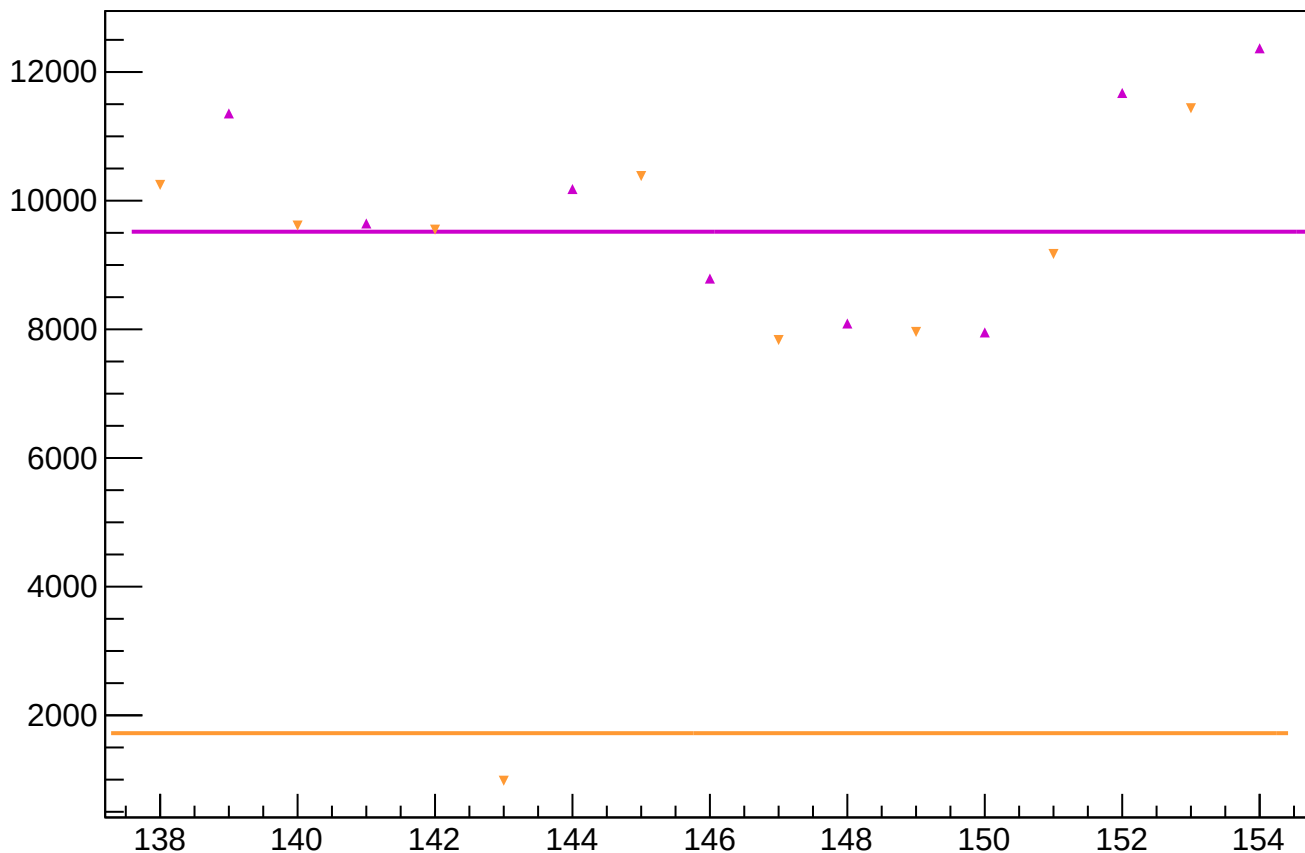
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1309.287+/-3740.577 χ^2/NDF :4.0/7

Out: -1506.149+/-1153.053 χ^2/NDF :10.0/8

All: -1261.837+/-1101.889 χ^2/NDF : 14.5/16

asym_atl2_correction_rms vs Slug, Sign Corrected



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

Left Out: 1722.329+/-0.815 χ^2 /NDF:8511943.4/8

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

Left In: 9517.612+/-2.645 χ^2 /NDF:323352.0/7

Left: 2398.772+/-0.779 χ^2 /NDF: 16767501.9/16

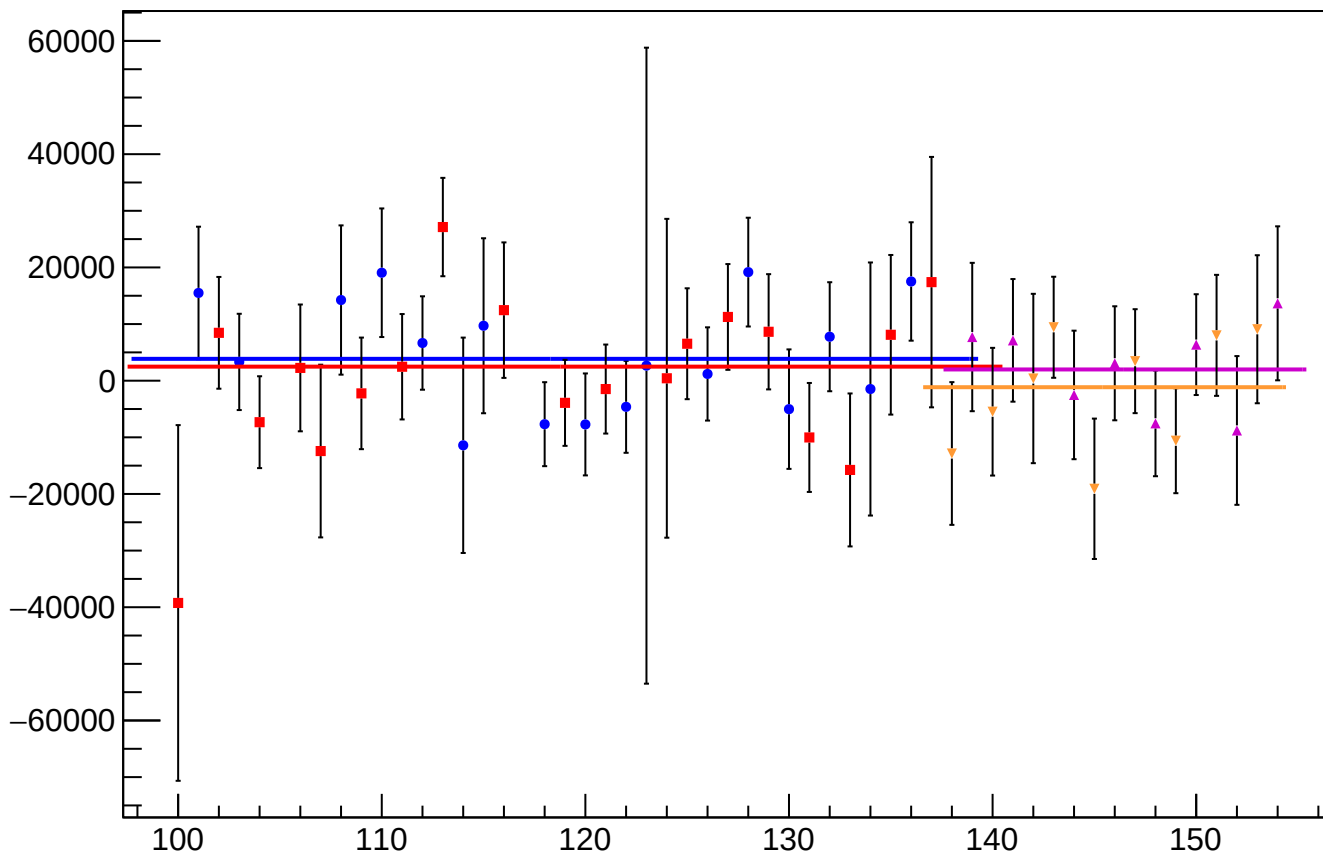
Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

In: 9517.612+/-2.645 χ^2 /NDF:323352.0/7

Out: 1722.329+/-0.815 χ^2 /NDF:8511943.4/8

All: 2398.772+/-0.779 χ^2 /NDF: 16767501.9/16

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3859.866 $\pm$ 2508.782 χ^2 /NDF: 14.8/16

Left Out: -1149.814 $\pm$ 3631.194 χ^2 /NDF: 7.2/8

Right Out: 2482.925 $\pm$ 2421.310 χ^2 /NDF: 20.0/18

Left In: 1984.643 $\pm$ 3854.929 χ^2 /NDF: 3.3/7

Left: 323.820 $\pm$ 2643.200 χ^2 /NDF: 10.8/16

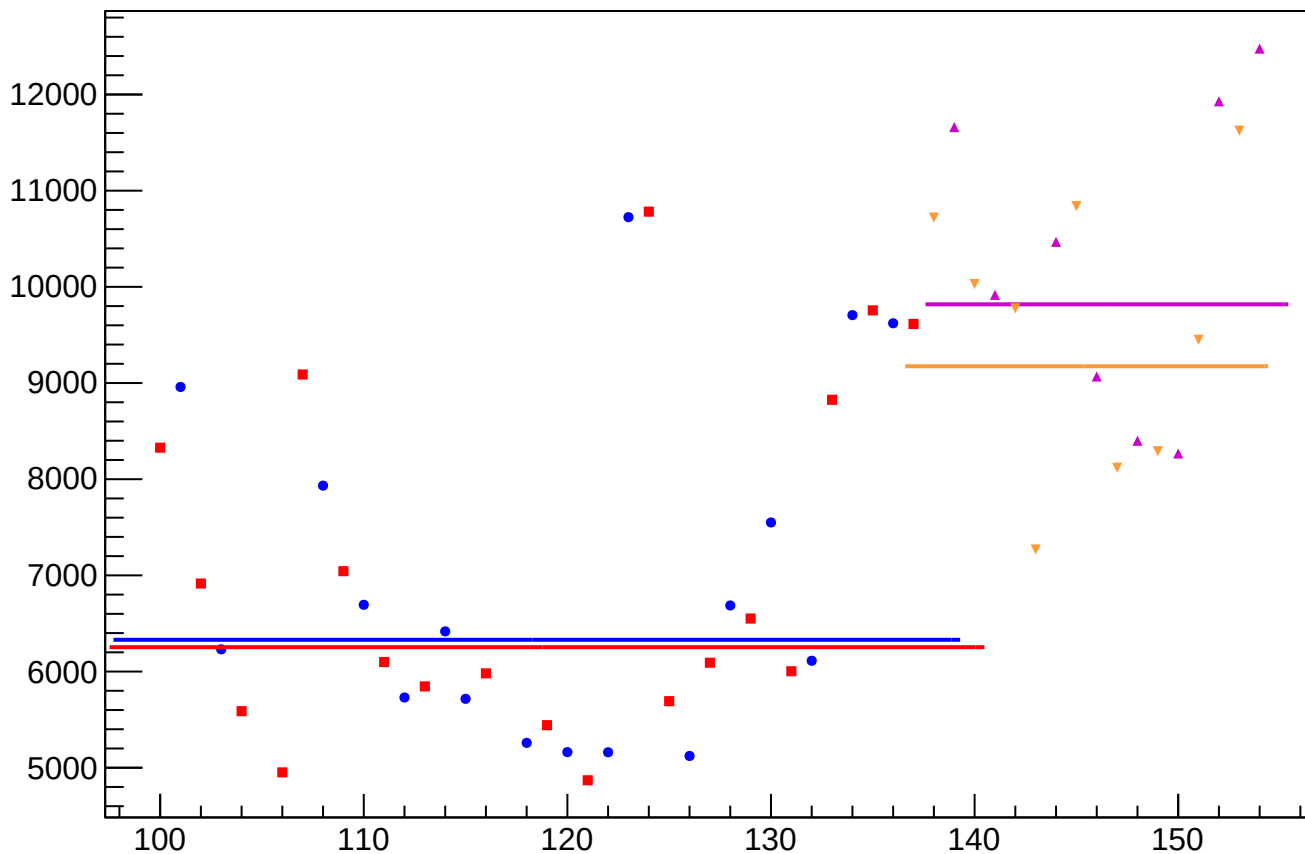
Right: 3146.972 $\pm$ 1742.228 χ^2 /NDF: 35.0/35

In: 3301.940 $\pm$ 2102.705 χ^2 /NDF: 18.2/24

Out: 1364.831 $\pm$ 2014.520 χ^2 /NDF: 27.9/27

All: 2291.914 $\pm$ 1454.657 χ^2 /NDF: 46.5/52

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6330.291 $\pm$ 1.774 χ^2/NDF : 593395.6/16

Left Out: 9174.266 $\pm$ 2.568 χ^2/NDF : 288293.9/8

Right Out: 6253.330 $\pm$ 1.712 χ^2/NDF : 535355.5/18

Left In: 9818.427 $\pm$ 2.726 χ^2/NDF : 292470.9/7

Left: 9477.112 $\pm$ 1.869 χ^2/NDF : 610355.0/16

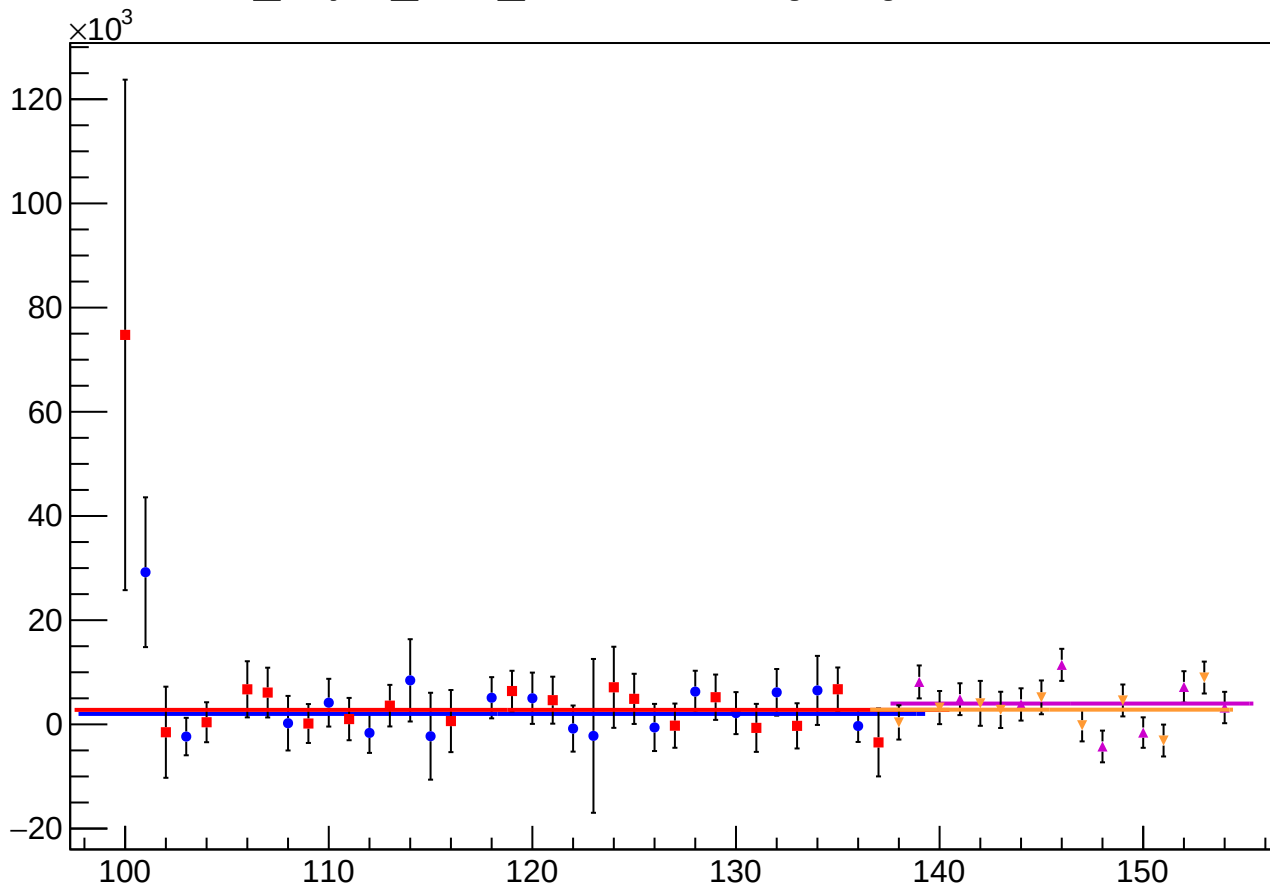
Right: 6290.444 $\pm$ 1.232 χ^2/NDF : 1129725.5/35

In: 7368.093 $\pm$ 1.487 χ^2/NDF : 2036179.3/24

Out: 7152.286 $\pm$ 1.424 χ^2/NDF : 1719488.0/27

All: 7255.566 $\pm$ 1.029 χ^2/NDF : 3766652.3/52

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2005.383 $\pm$ 1134.240 χ^2/NDF : 12.1/16

Left Out: 2822.423 $\pm$ 1086.236 χ^2/NDF : 10.3/8

Right Out: 2781.006 $\pm$ 1086.164 χ^2/NDF : 9.9/18

Left In: 3994.182 $\pm$ 1077.293 χ^2/NDF : 19.8/7

Left: 3413.146 $\pm$ 764.903 χ^2/NDF : 30.6/16

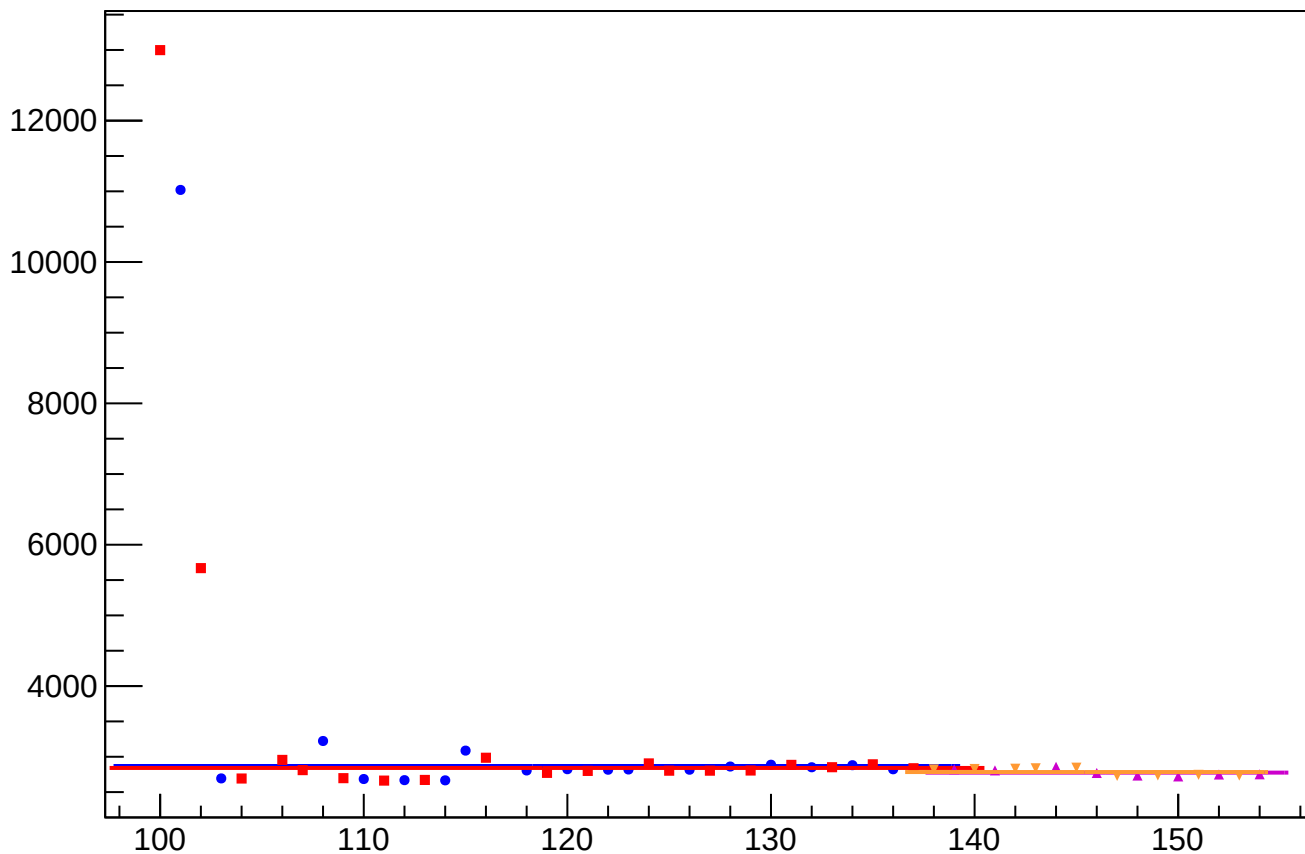
Right: 2409.980 $\pm$ 784.479 χ^2/NDF : 22.2/35

In: 3050.960 $\pm$ 781.118 χ^2/NDF : 33.4/24

Out: 2801.713 $\pm$ 768.059 χ^2/NDF : 20.2/27

All: 2924.236 $\pm$ 547.658 χ^2/NDF : 53.6/52

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2869.197+/-0.802 χ^2/NDF : 669900.5/16

Left Out: 2783.666+/-0.768 χ^2/NDF : 4051.0/8

Right Out: 2841.561+/-0.768 χ^2/NDF : 312523.0/18

Left In: 2775.567+/-0.762 χ^2/NDF : 3397.7/7

Left: 2779.583+/-0.541 χ^2/NDF : 7504.8/16

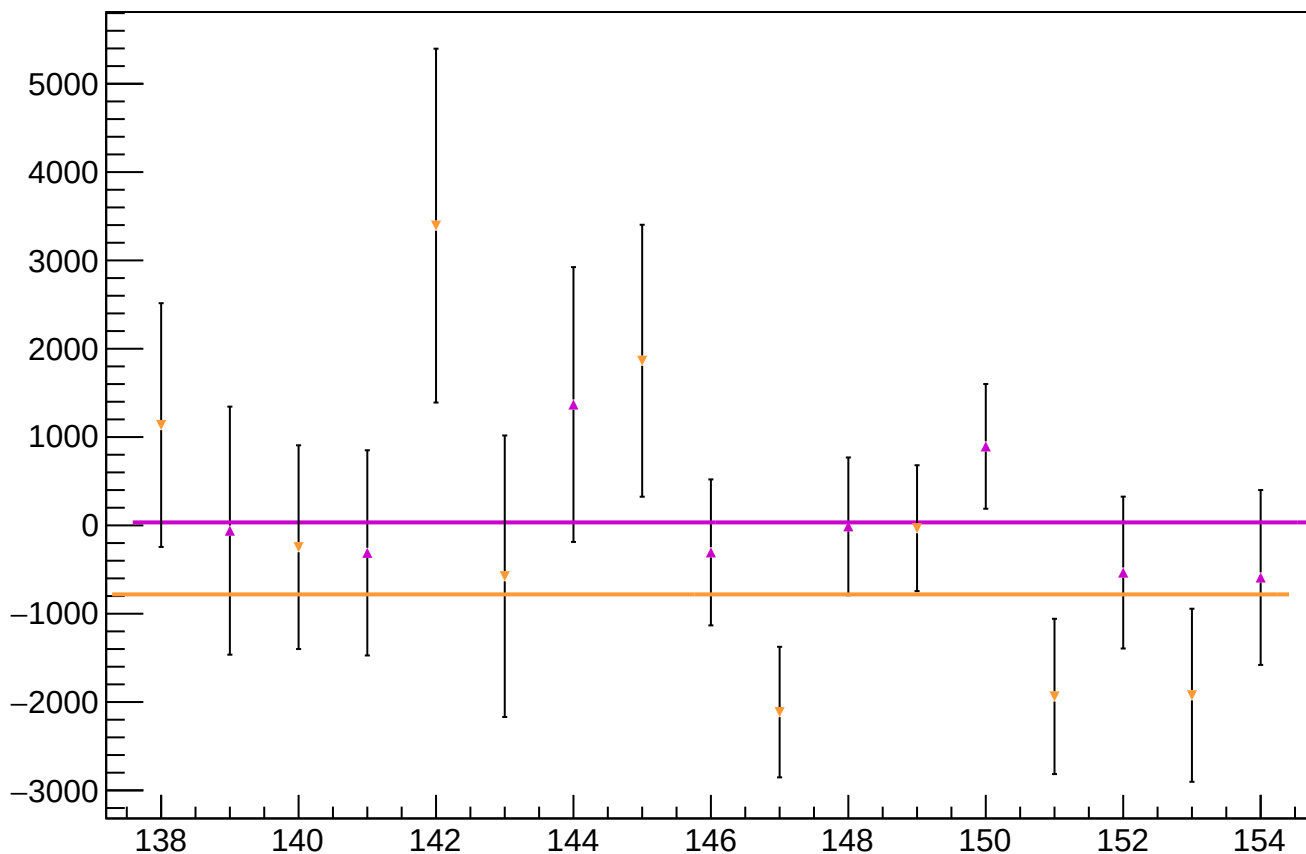
Right: 2854.781+/-0.555 χ^2/NDF : 983042.8/35

In: 2819.972+/-0.552 χ^2/NDF : 680463.2/24

Out: 2812.615+/-0.543 χ^2/NDF : 319415.0/27

All: 2816.232+/-0.387 χ^2/NDF : 999968.4/52

asym_atr1_correction_mean vs Slug, Sign Corrected



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

Left Out: -781.248+/-343.443 χ^2/NDF :16.9/8

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

Left In: 33.783+/-330.603 χ^2/NDF :3.3/7

Left: -358.212+/-238.181 χ^2/NDF : 23.1/16

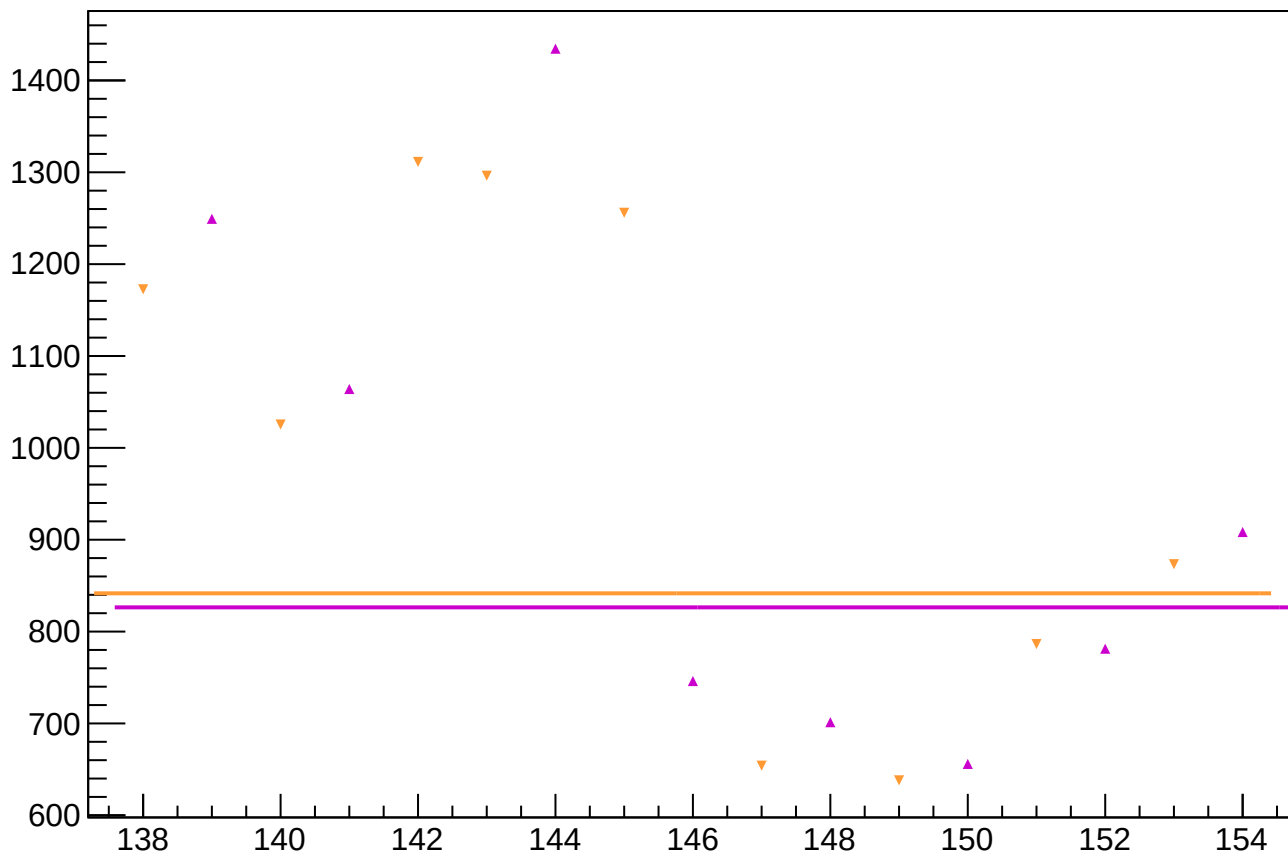
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 33.783+/-330.603 χ^2/NDF :3.3/7

Out: -781.248+/-343.443 χ^2/NDF :16.9/8

All: -358.212+/-238.181 χ^2/NDF : 23.1/16

asym_atr1_correction_rms vs Slug, Sign Corrected



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

Left Out: 841.650+/-0.243 χ^2/NDF : 885554.4/8

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

Left In: 826.358+/-0.234 χ^2/NDF : 776865.2/7

Left: 833.713+/-0.168 χ^2/NDF : 1664477.7/16

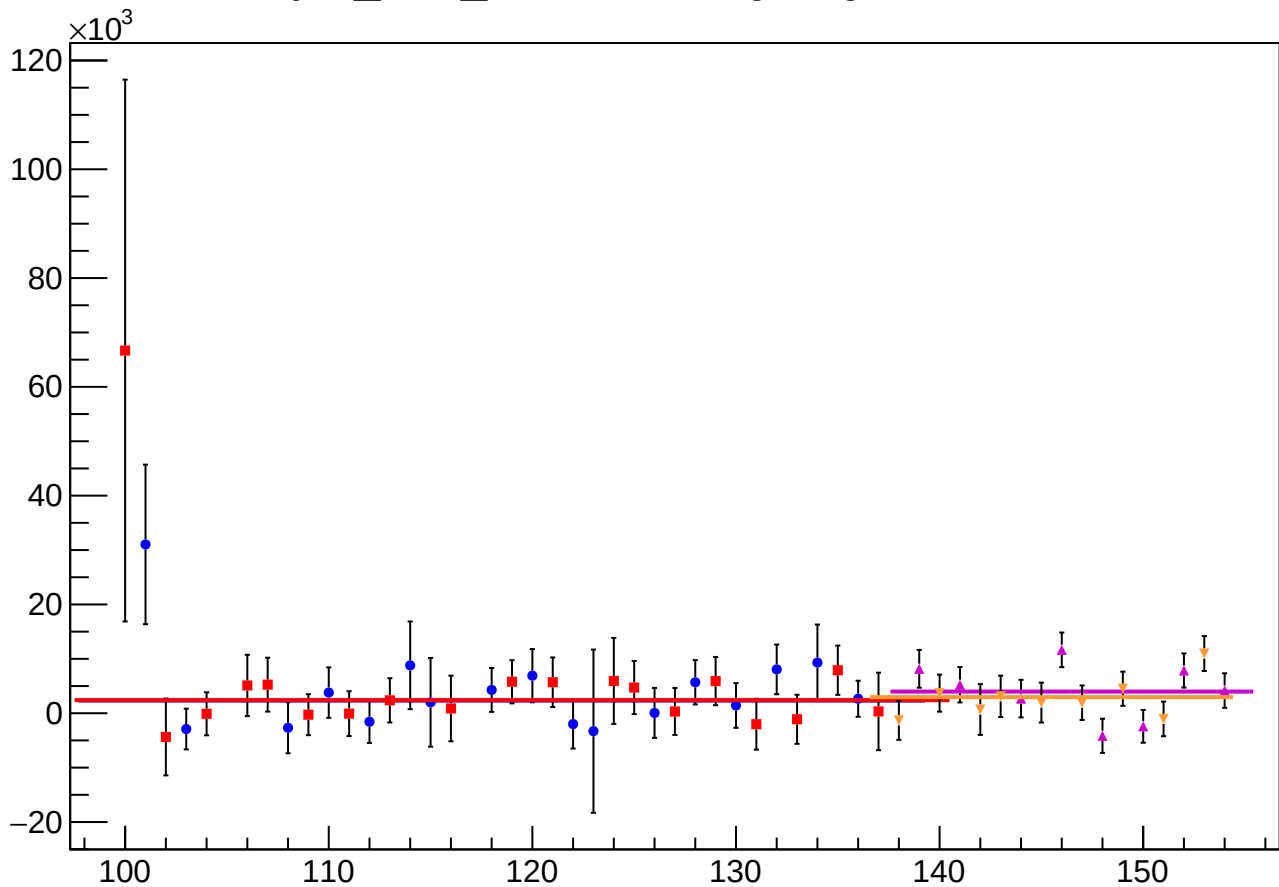
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 826.358+/-0.234 χ^2/NDF : 776865.2/7

Out: 841.650+/-0.243 χ^2/NDF : 885554.4/8

All: 833.713+/-0.168 χ^2/NDF : 1664477.7/16

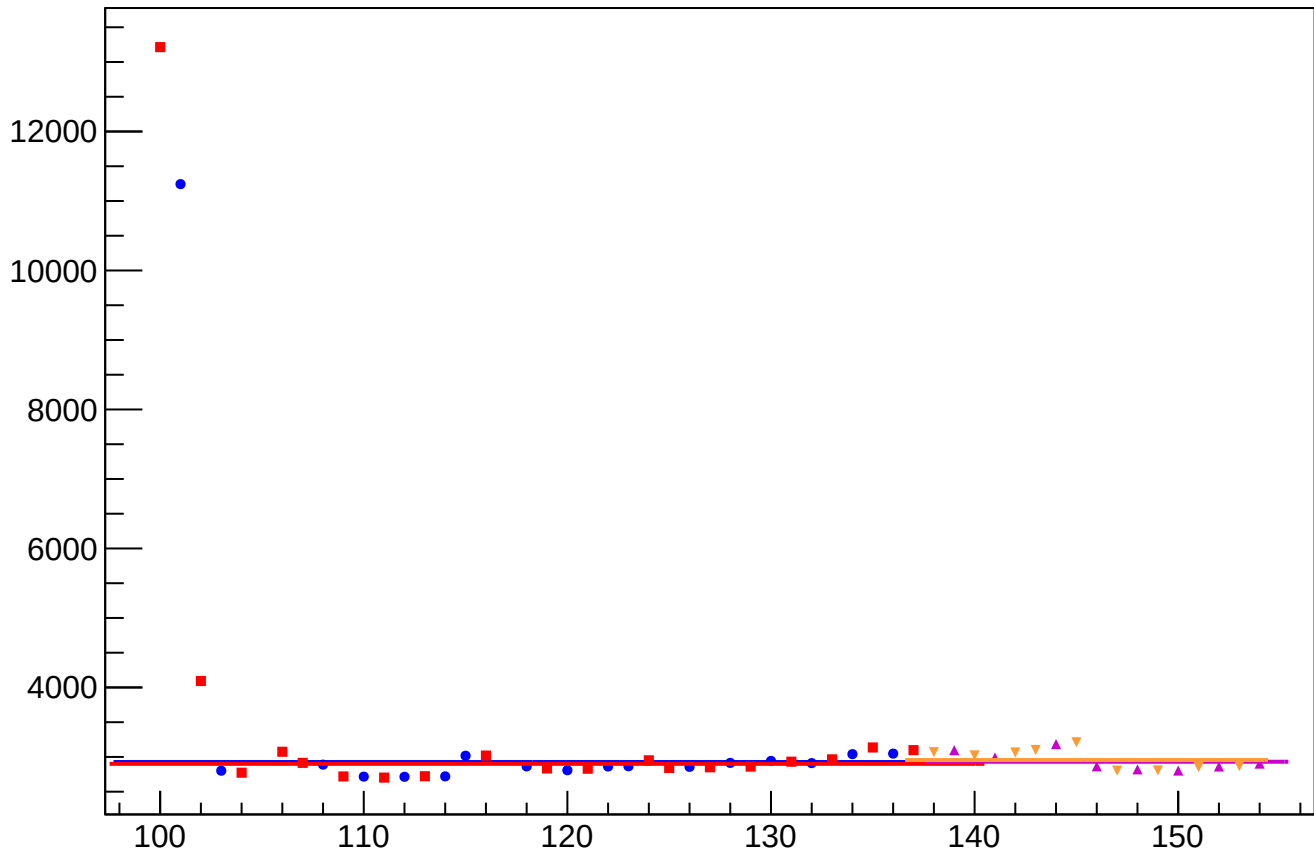
asym_atr1_mean vs Slug, Sign Corrected



Right In: 2330.134+/-1156.555 χ^2/NDF : 14.4/16
 Left Out: 2954.292+/-1154.674 χ^2/NDF : 9.9/8
 Right Out: 2403.750+/-1110.093 χ^2/NDF : 10.1/18
 Left In: 3980.222+/-1138.556 χ^2/NDF : 20.3/7

Left: 3474.467+/-810.719 χ^2/NDF : 30.6/16
 Right: 2368.450+/-800.876 χ^2/NDF : 24.5/35
 In: 3168.117+/-811.369 χ^2/NDF : 35.7/24
 Out: 2668.188+/-800.251 χ^2/NDF : 20.1/27
 All: 2914.704+/-569.753 χ^2/NDF : 56.0/52

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2926.610+/-0.818 χ^2/NDF : 662794.4/16

Left Out: 2955.469+/-0.816 χ^2/NDF : 29061.3/8

Right Out: 2900.827+/-0.785 χ^2/NDF : 169866.6/18

Left In: 2930.983+/-0.805 χ^2/NDF : 24189.1/7

Left: 2943.054+/-0.573 χ^2/NDF : 53706.4/16

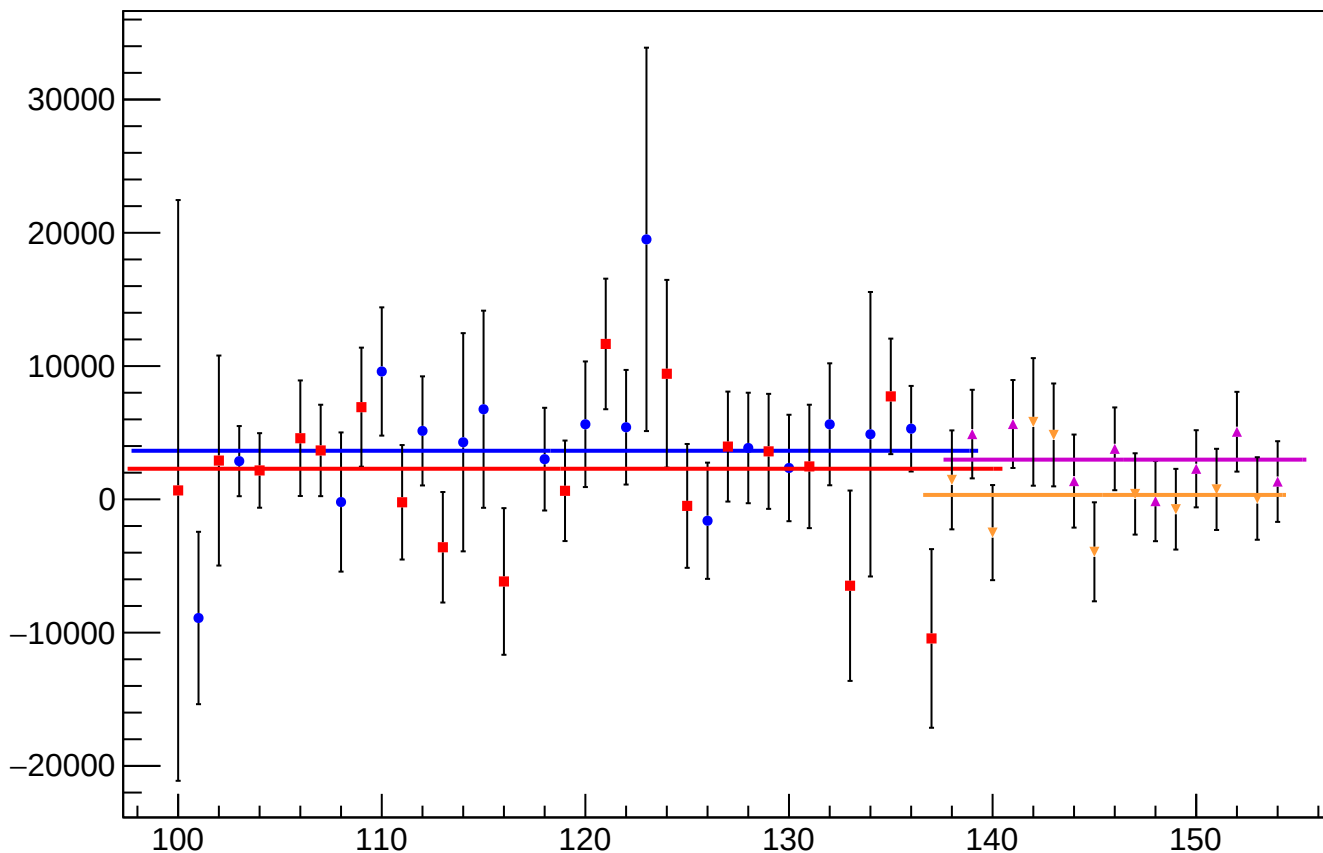
Right: 2913.190+/-0.566 χ^2/NDF : 833178.3/35

In: 2928.831+/-0.574 χ^2/NDF : 686998.0/24

Out: 2927.073+/-0.566 χ^2/NDF : 201255.4/27

All: 2927.940+/-0.403 χ^2/NDF : 888258.2/52

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3645.268 ± 1091.486 $\chi^2/\text{NDF}: 9.9/16$

Left Out: 331.979 ± 1144.768 $\chi^2/\text{NDF}: 4.9/8$

Right Out: 2295.846 ± 1046.865 $\chi^2/\text{NDF}: 18.4/18$

Left In: 2979.375 ± 1105.042 $\chi^2/\text{NDF}: 3.2/7$

Left: 1702.409 ± 795.056 $\chi^2/\text{NDF}: 10.8/16$

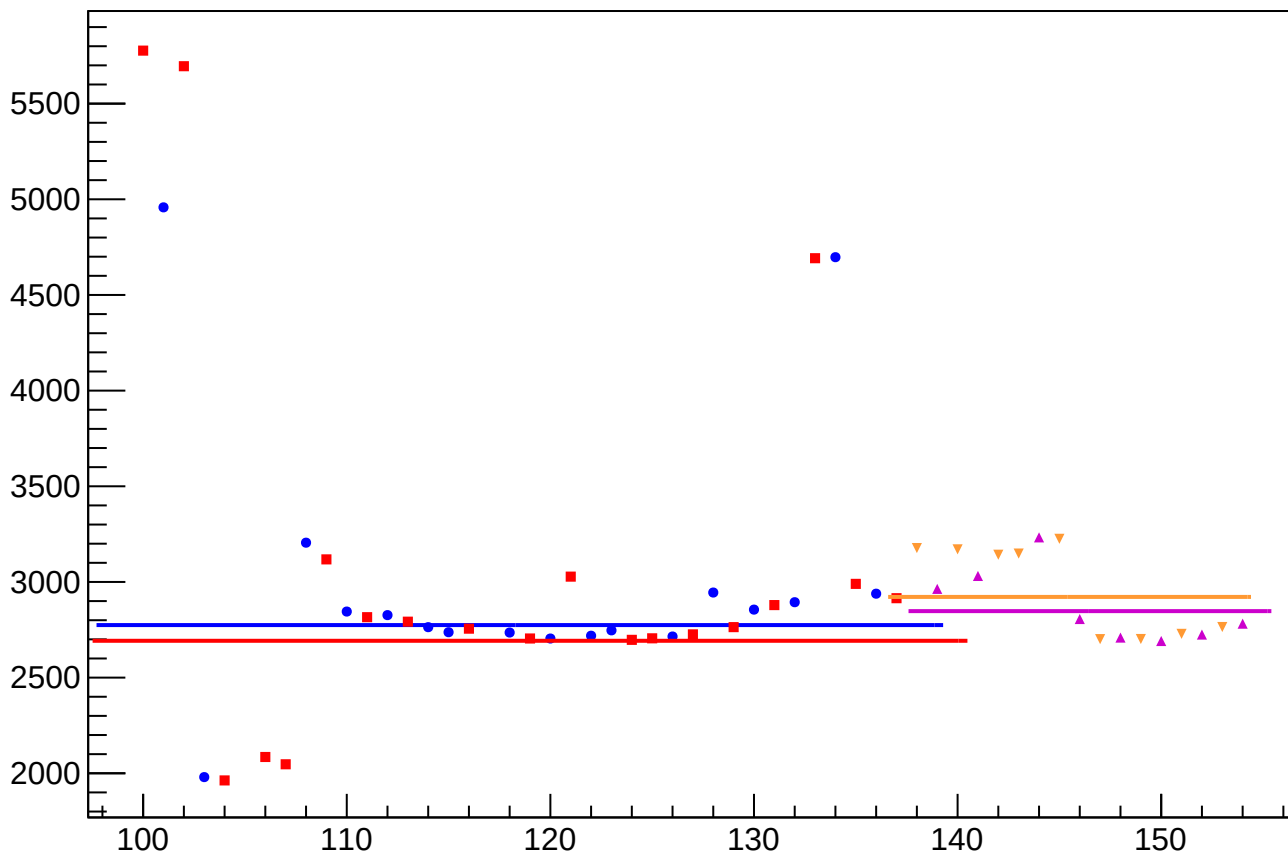
Right: 2942.410 ± 755.528 $\chi^2/\text{NDF}: 29.1/35$

In: 3316.431 ± 776.546 $\chi^2/\text{NDF}: 13.2/24$

Out: 1401.466 ± 772.543 $\chi^2/\text{NDF}: 24.9/27$

All: 2354.000 ± 547.680 $\chi^2/\text{NDF}: 41.2/52$

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2774.617+/-0.772 χ^2/NDF : 501680.3/16

Left Out: 2921.794+/-0.809 χ^2/NDF : 77912.7/8

Right Out: 2692.509+/-0.740 χ^2/NDF : 780267.3/18

Left In: 2847.531+/-0.781 χ^2/NDF : 47739.6/7

Left: 2883.351+/-0.562 χ^2/NDF : 130009.2/16

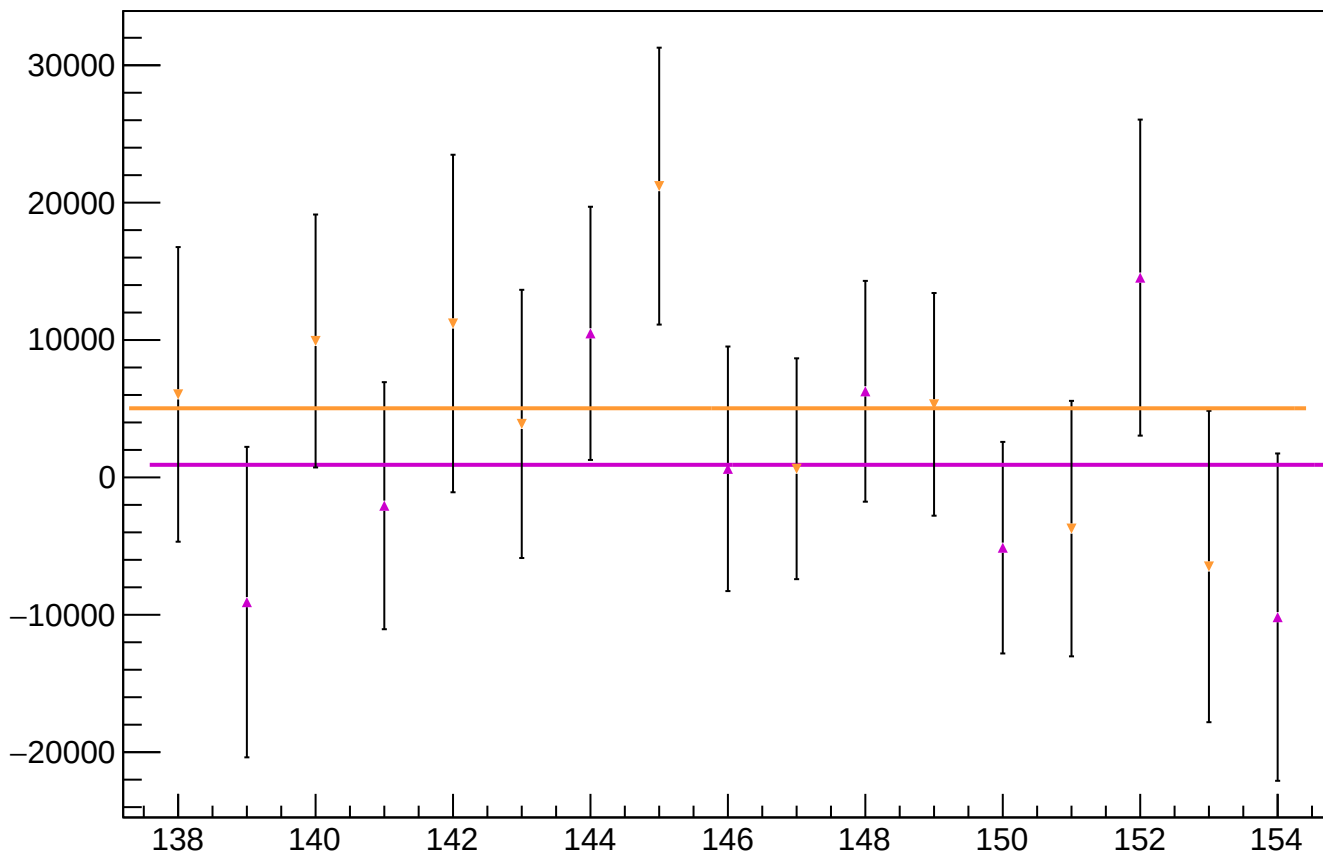
Right: 2731.837+/-0.534 χ^2/NDF : 1287844.4/35

In: 2810.624+/-0.549 χ^2/NDF : 553827.3/24

Out: 2796.893+/-0.546 χ^2/NDF : 901885.6/27

All: 2803.722+/-0.387 χ^2/NDF : 1456027.2/52

asym_atr2_correction_mean vs Slug, Sign Corrected



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

Left Out: 5031.845+/-3202.136 χ^2/NDF :5.4/8

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

Left In: 916.434+/-3304.843 χ^2/NDF :5.3/7

Left: 3039.082+/-2299.705 χ^2/NDF : 11.5/16

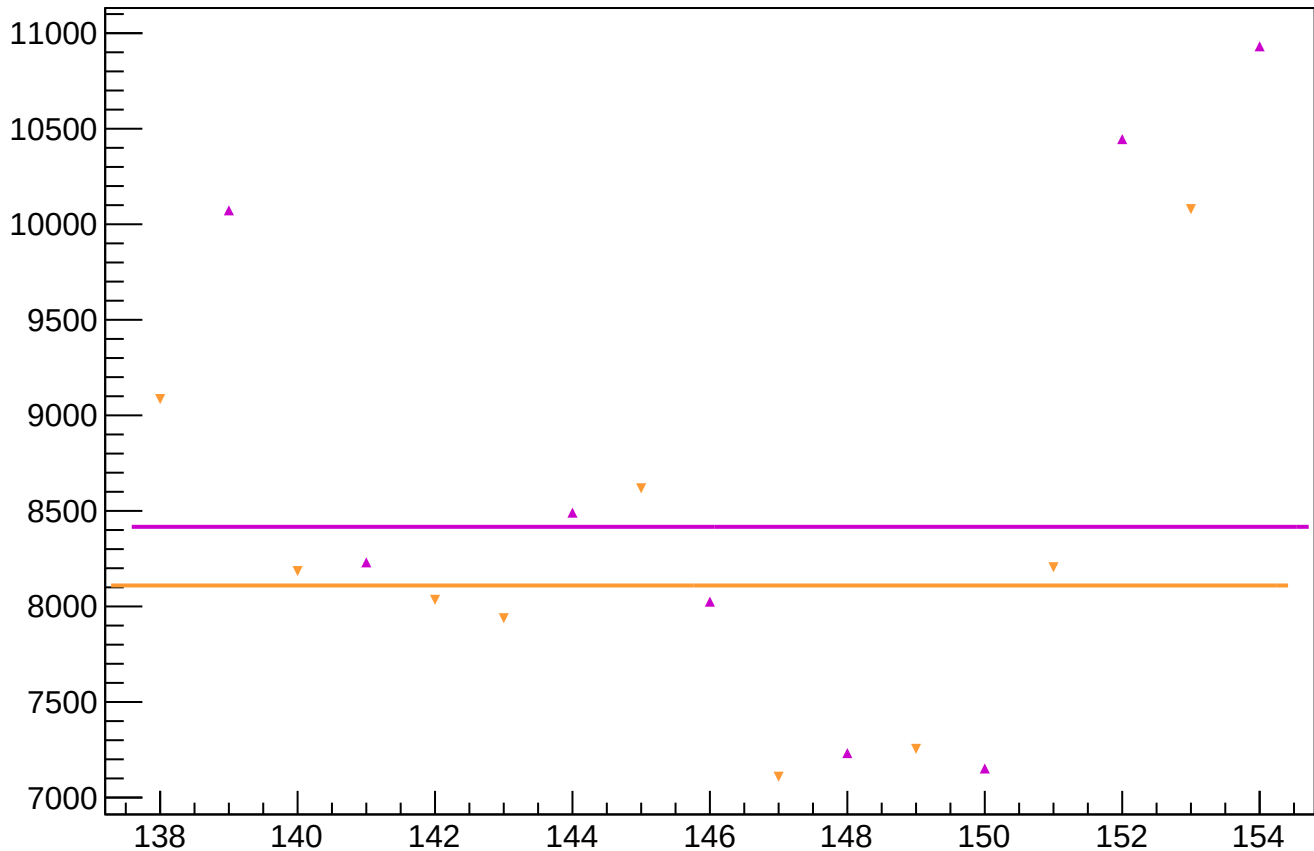
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 916.434+/-3304.843 χ^2/NDF :5.3/7

Out: 5031.845+/-3202.136 χ^2/NDF :5.4/8

All: 3039.082+/-2299.705 χ^2/NDF : 11.5/16

asym_atr2_correction_rms vs Slug, Sign Corrected



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

Left Out: 8109.753+/-2.264 χ^2/NDF :136351.2/8

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

Left In: 8416.709+/-2.337 χ^2/NDF :296553.1/7

Left: 8258.388+/-1.626 χ^2/NDF : 441803.4/16

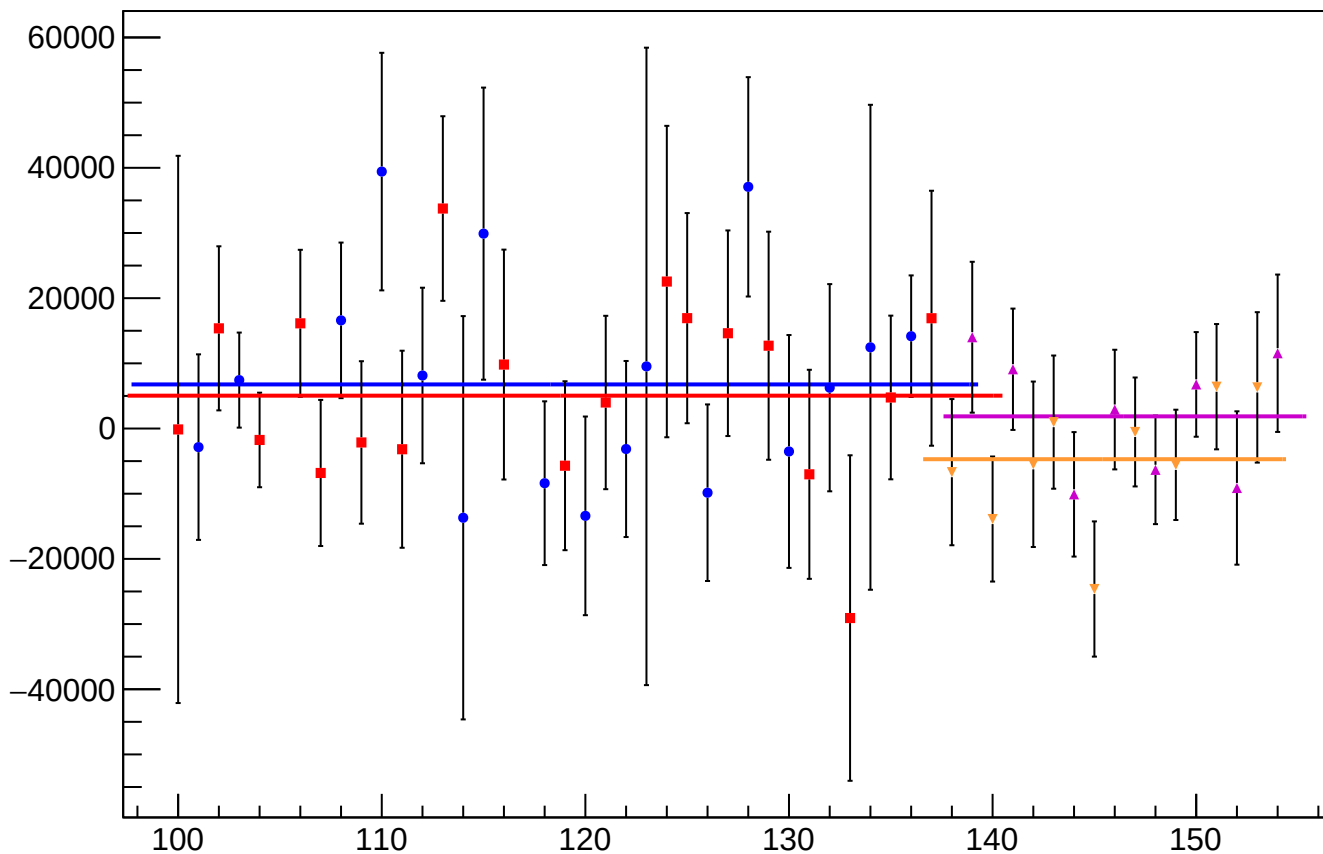
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 8416.709+/-2.337 χ^2/NDF :296553.1/7

Out: 8109.753+/-2.264 χ^2/NDF :136351.2/8

All: 8258.388+/-1.626 χ^2/NDF : 441803.4/16

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6767.402+/-3387.139 χ^2/NDF : 15.3/16

Left Out: -4706.995+/-3323.834 χ^2/NDF : 7.5/8

Right Out: 5041.440+/-3167.616 χ^2/NDF : 13.6/18

Left In: 1867.197+/-3412.750 χ^2/NDF : 6.1/7

Left: -1506.655+/-2381.120 χ^2/NDF : 15.5/16

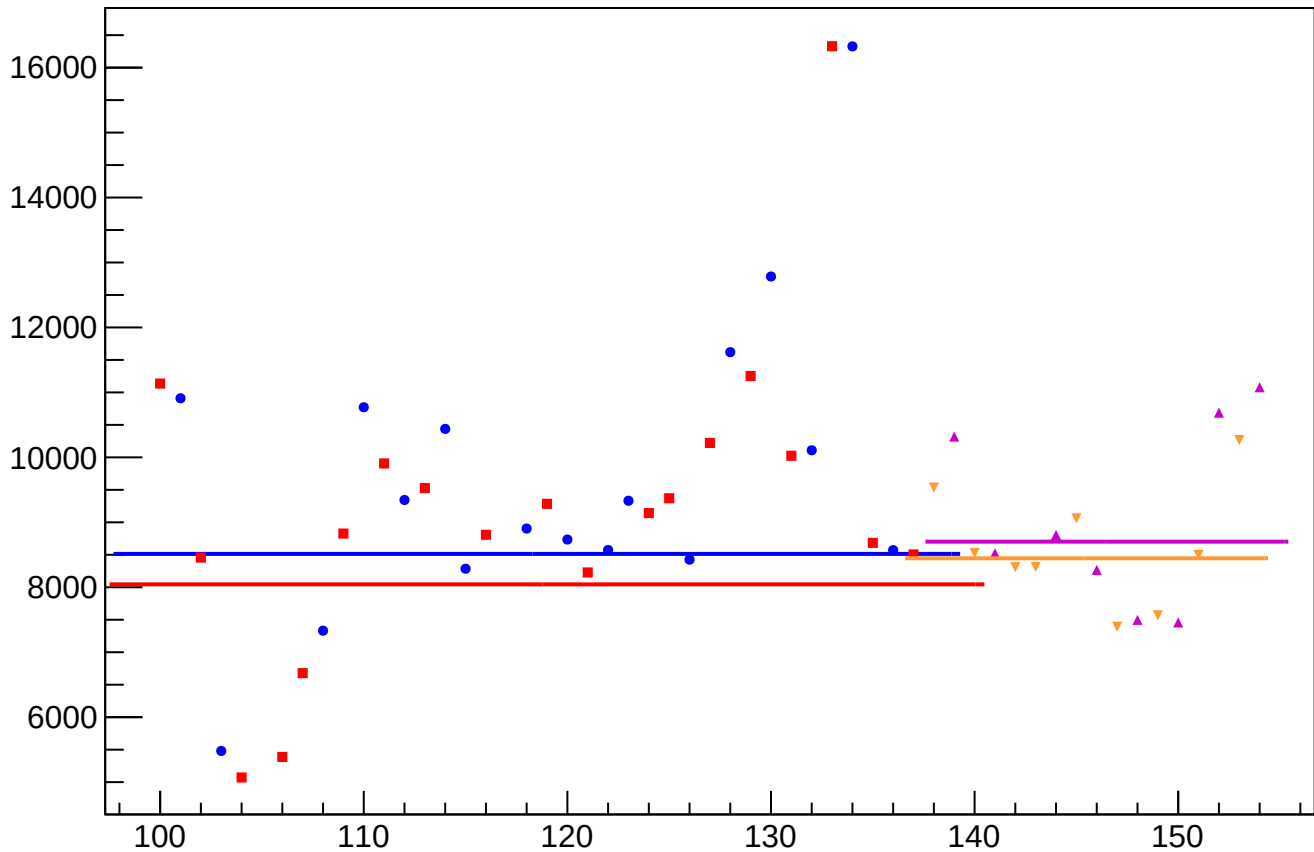
Right: 5846.682+/-2313.559 χ^2/NDF : 29.1/35

In: 4335.755+/-2404.073 χ^2/NDF : 22.5/24

Out: 401.686+/-2293.081 χ^2/NDF : 25.6/27

All: 2275.812+/-1659.304 χ^2/NDF : 49.5/52

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8513.665+/-2.395 χ^2/NDF : 762614.5/16

Left Out: 8446.225+/-2.350 χ^2/NDF :129752.2/8

Right Out: 8044.739+/-2.240 χ^2/NDF : 952310.5/18

Left In: 8702.431+/-2.413 χ^2/NDF :268794.4/7

Left: 8570.947+/-1.684 χ^2/NDF : 404331.4/16

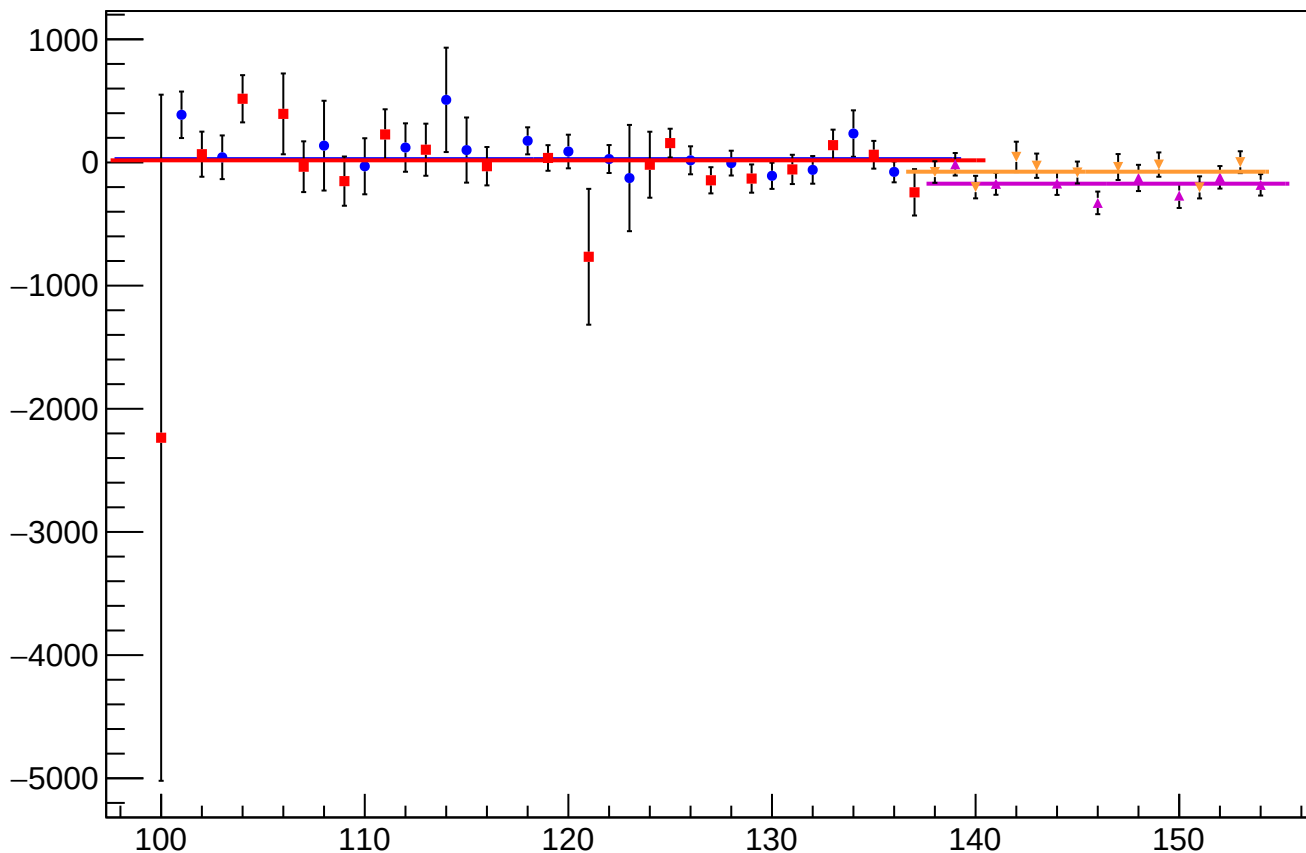
Right: 8263.507+/-1.636 χ^2/NDF : 1735374.5/35

In: 8607.337+/-1.700 χ^2/NDF :1034491.3/24

Out: 8235.818+/-1.621 χ^2/NDF :1097355.3/27

All: 8412.800+/-1.173 χ^2/NDF : 2156856.8/52

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 26.932 ± 34.029 $\chi^2/\text{NDF}: 12.6/16$

Left Out: -74.940 ± 31.798 $\chi^2/\text{NDF}: 6.3/8$

Right Out: 17.368 ± 35.548 $\chi^2/\text{NDF}: 21.9/18$

Left In: -172.350 ± 32.995 $\chi^2/\text{NDF}: 7.3/7$

Left: -121.847 ± 22.896 $\chi^2/\text{NDF}: 18.1/16$

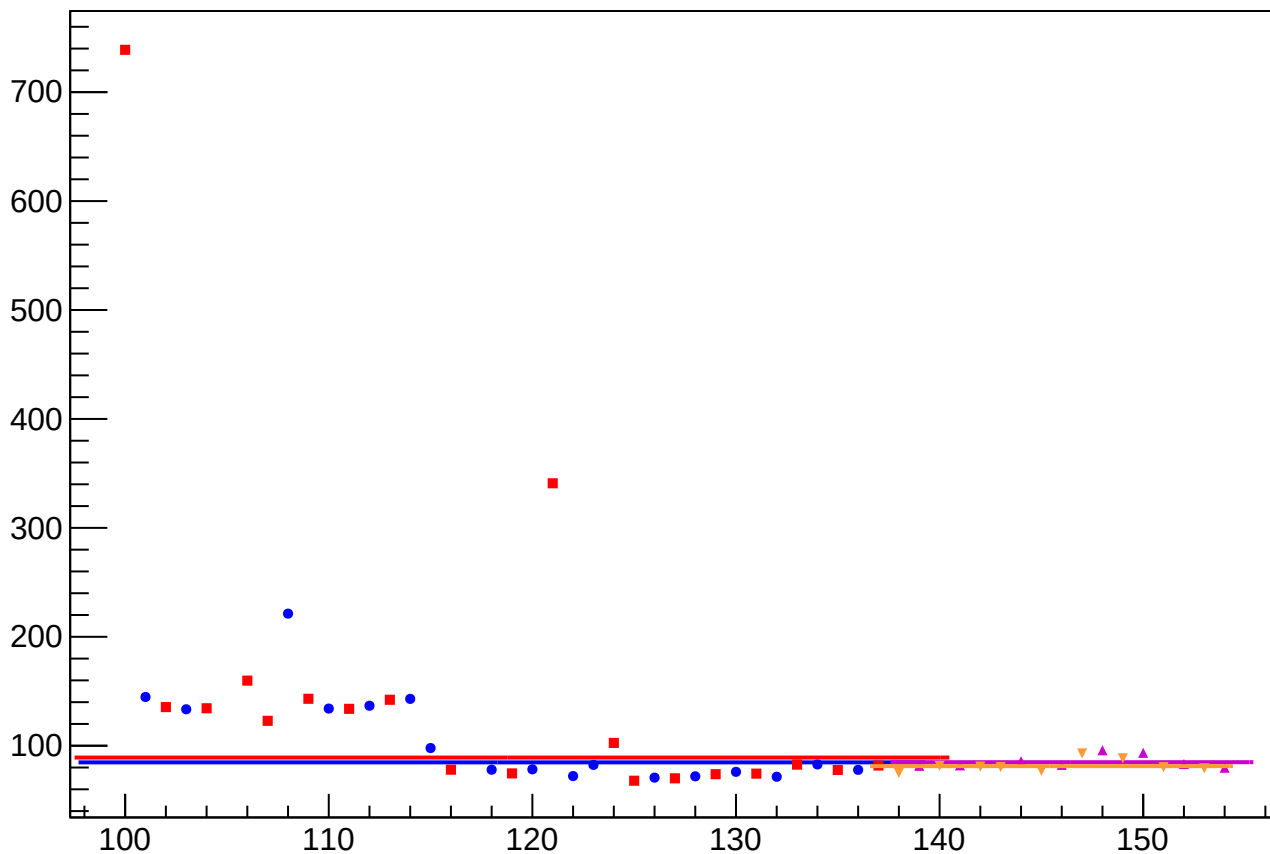
Right: 22.359 ± 24.581 $\chi^2/\text{NDF}: 34.5/35$

In: -75.783 ± 23.688 $\chi^2/\text{NDF}: 37.6/24$

Out: -33.909 ± 23.700 $\chi^2/\text{NDF}: 31.9/27$

All: -54.857 ± 16.754 $\chi^2/\text{NDF}: 71.1/52$

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 84.737 $\pm$ 0.024 χ^2 /NDF: 1064420.0/16

Left Out: 81.252 $\pm$ 0.022 χ^2 /NDF: 51459.1/8

Right Out: 89.143 $\pm$ 0.025 χ^2 /NDF: 1559269.8/18

Left In: 84.889 $\pm$ 0.023 χ^2 /NDF: 49599.2/7

Left: 83.003 $\pm$ 0.016 χ^2 /NDF: 113658.2/16

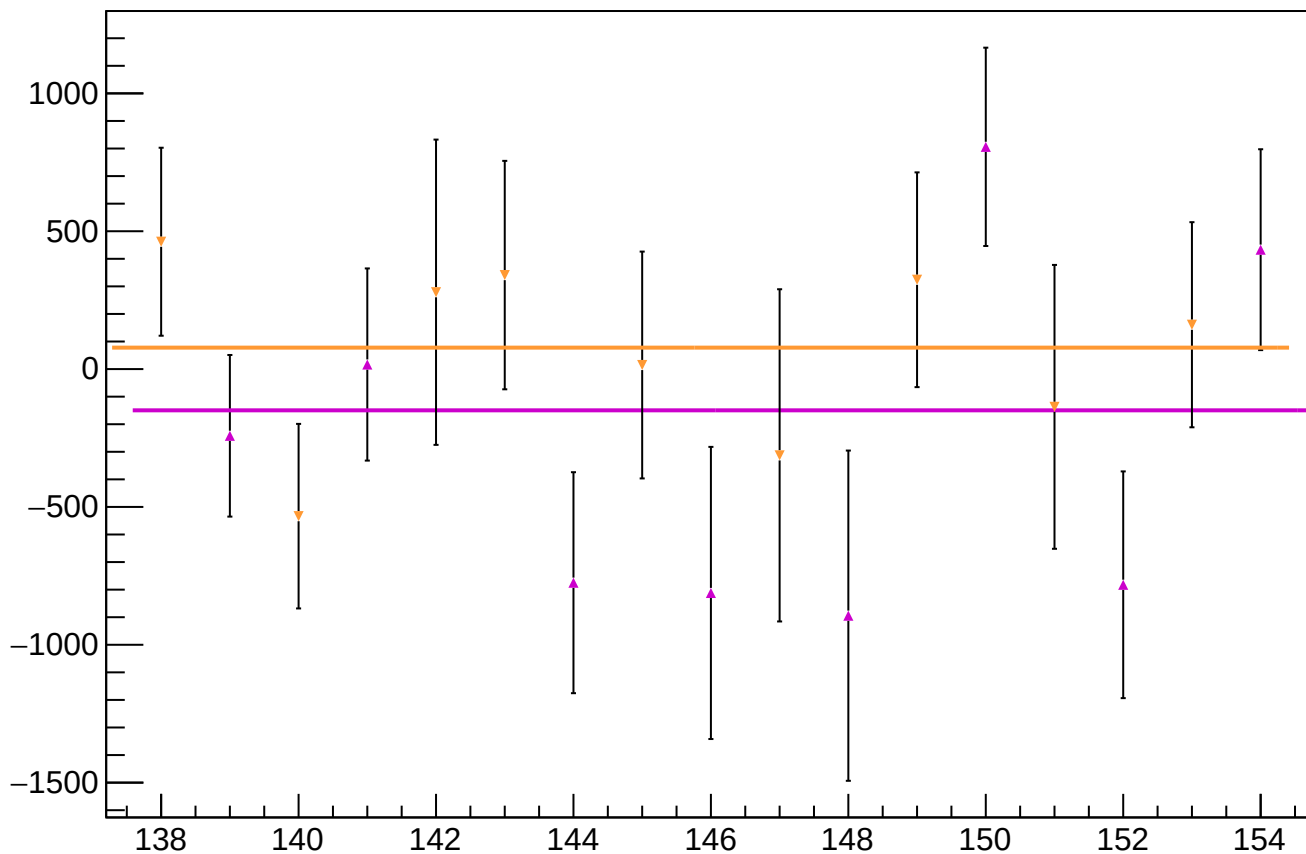
Right: 86.844 $\pm$ 0.017 χ^2 /NDF: 2639723.0/35

In: 84.815 $\pm$ 0.017 χ^2 /NDF: 1114039.8/24

Out: 84.759 $\pm$ 0.017 χ^2 /NDF: 1665478.7/27

All: 84.787 $\pm$ 0.012 χ^2 /NDF: 2779524.0/52

asym_sam1_correction_mean vs Slug, Sign Corrected



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

Left Out: 77.821+/-137.525 χ^2/NDF : 6.2/8

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

Left In: -149.604+/-136.555 χ^2/NDF : 17.9/7

Left: -36.696+/-96.900 χ^2/NDF : 25.4/16

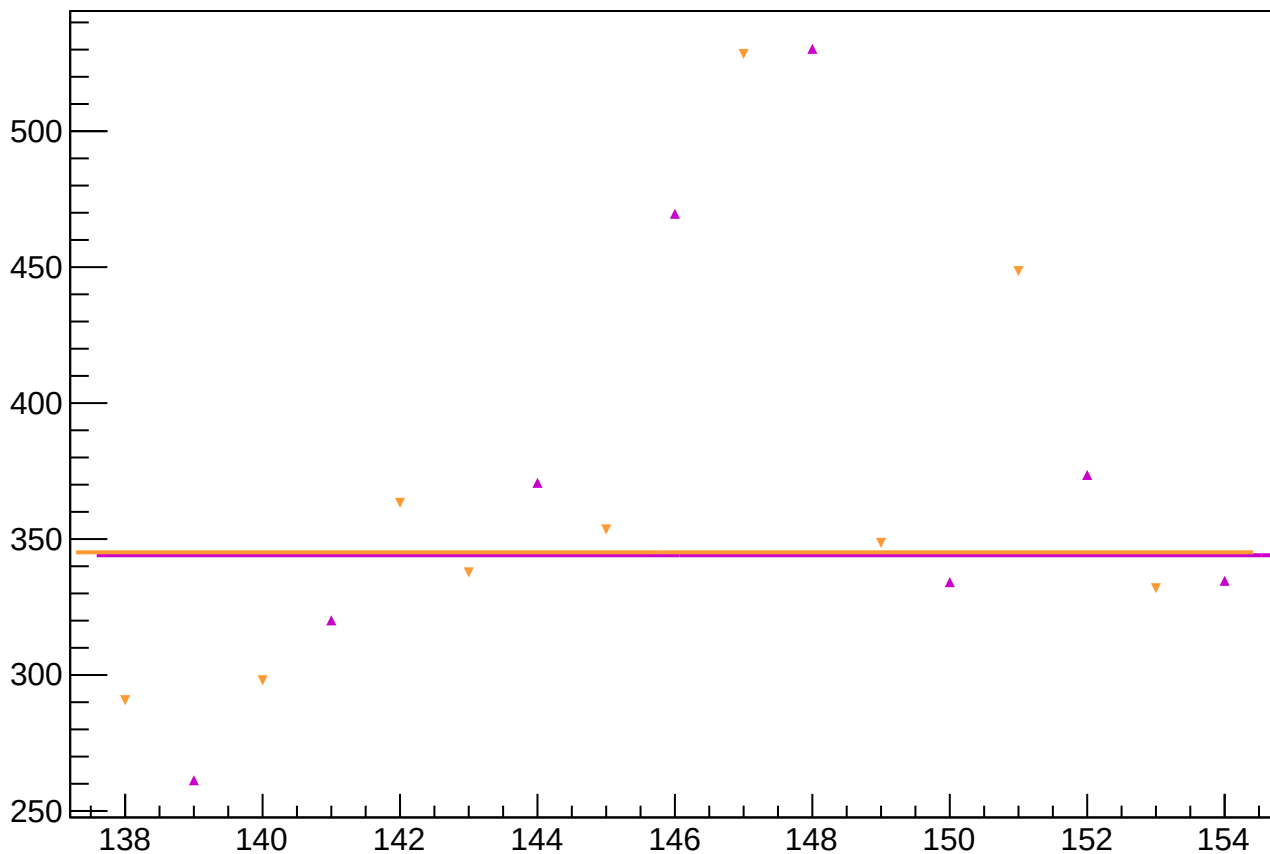
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -149.604+/-136.555 χ^2/NDF : 17.9/7

Out: 77.821+/-137.525 χ^2/NDF : 6.2/8

All: -36.696+/-96.900 χ^2/NDF : 25.4/16

asym_sam1_correction_rms vs Slug, Sign Corrected



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

Left Out: 345.130+/-0.097 χ^2/NDF :362542.4/8

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

Left In: 344.046+/-0.097 χ^2/NDF :496573.0/7

Left: 344.584+/-0.069 χ^2/NDF : 859178.1/16

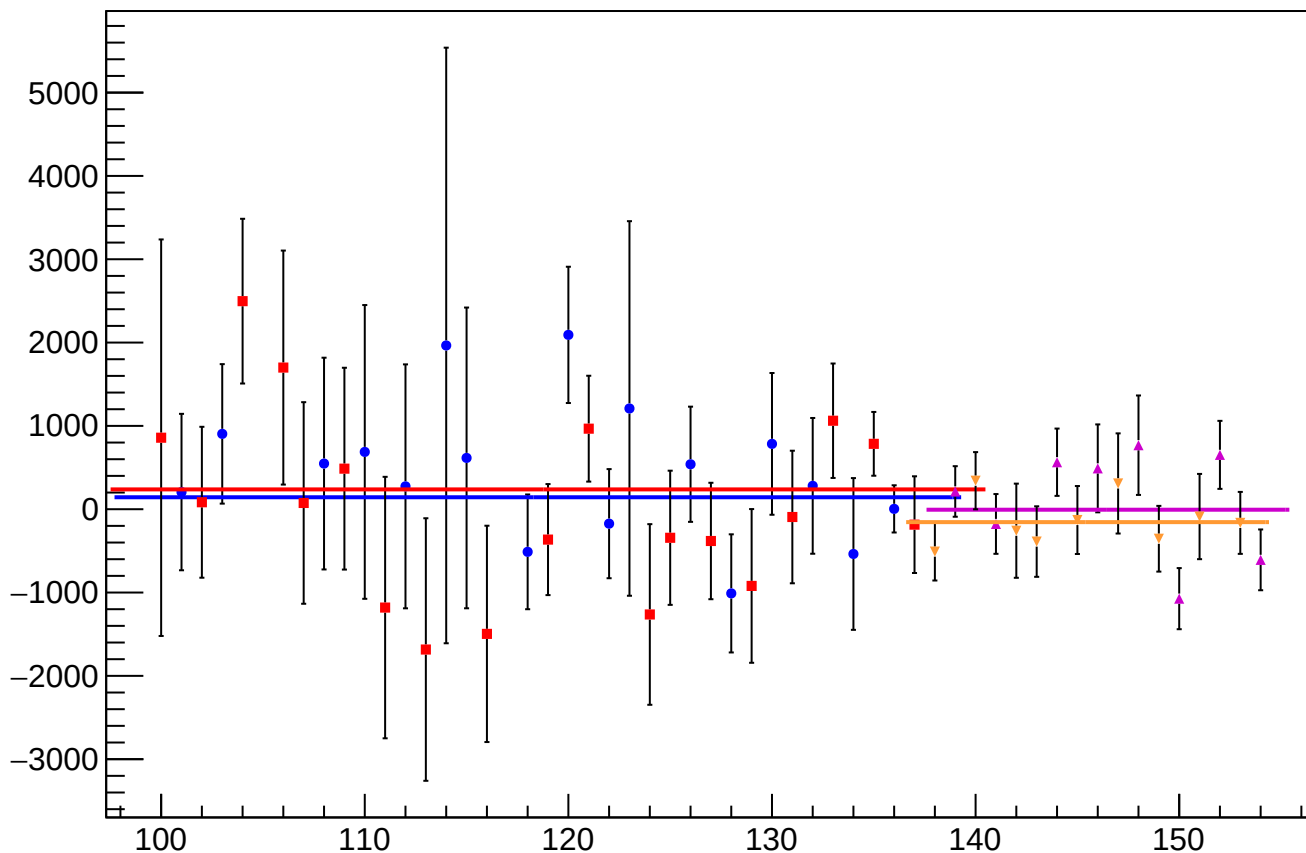
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 344.046+/-0.097 χ^2/NDF :496573.0/7

Out: 345.130+/-0.097 χ^2/NDF :362542.4/8

All: 344.584+/-0.069 χ^2/NDF : 859178.1/16

asym_sam1_mean vs Slug, Sign Corrected



Right In: 143.486 $\pm$ 179.237 χ^2 /NDF: 12.8/16

Left Out: -154.983 $\pm$ 138.980 χ^2 /NDF: 4.3/8

Right Out: 237.821 $\pm$ 183.995 χ^2 /NDF: 21.7/18

Left In: -6.029 $\pm$ 138.519 χ^2 /NDF: 19.1/7

Left: -80.258 $\pm$ 98.110 χ^2 /NDF: 24.0/16

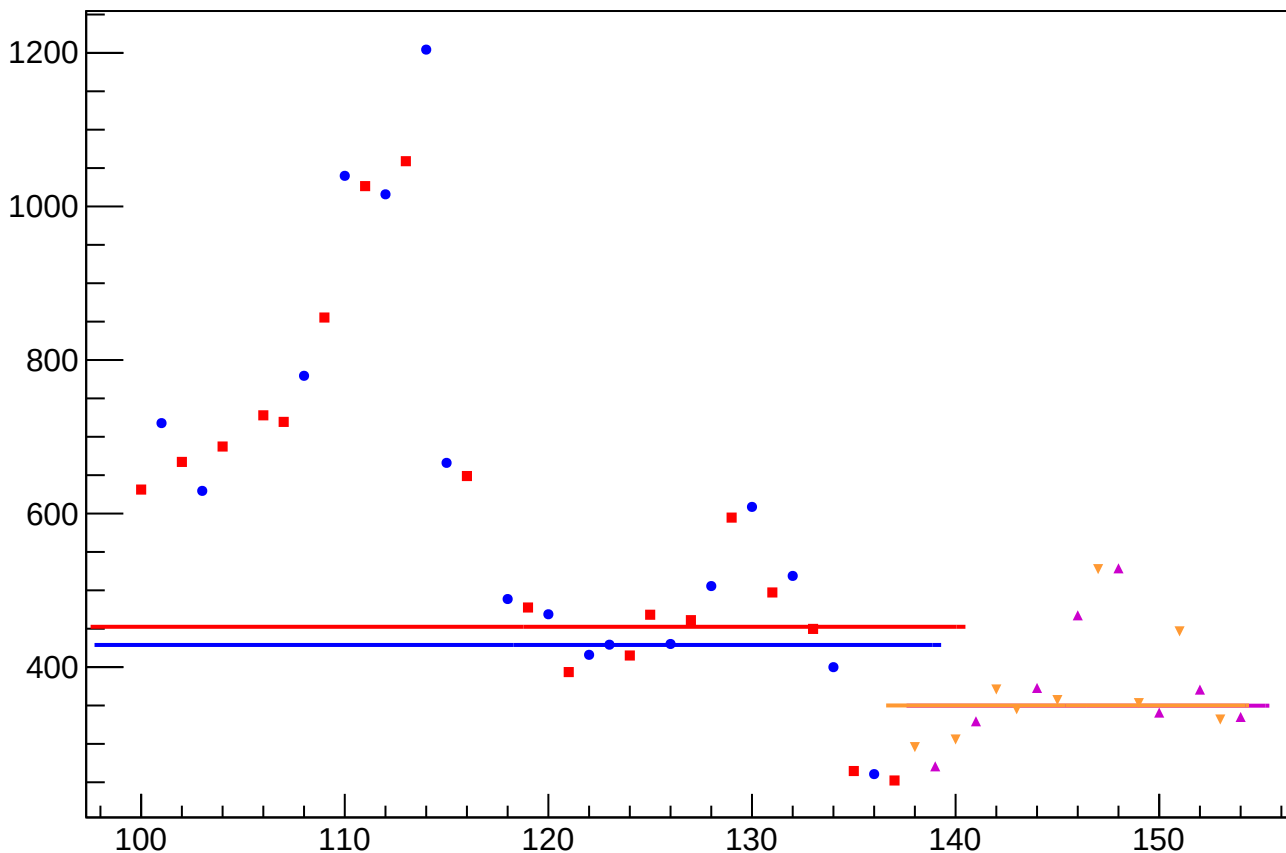
Right: 189.418 $\pm$ 128.389 χ^2 /NDF: 34.6/35

In: 49.879 $\pm$ 109.603 χ^2 /NDF: 32.3/24

Out: -12.285 $\pm$ 110.899 χ^2 /NDF: 28.9/27

All: 19.162 $\pm$ 77.955 χ^2 /NDF: 61.4/52

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.856+/-0.127 χ^2/NDF : 2012329.6/16

Left Out: 350.041+/-0.098 χ^2/NDF :336561.1/8

Right Out: 452.517+/-0.130 χ^2/NDF : 2039238.5/18

Left In: 349.756+/-0.098 χ^2/NDF :437524.3/7

Left: 349.898+/-0.069 χ^2/NDF : 774089.6/16

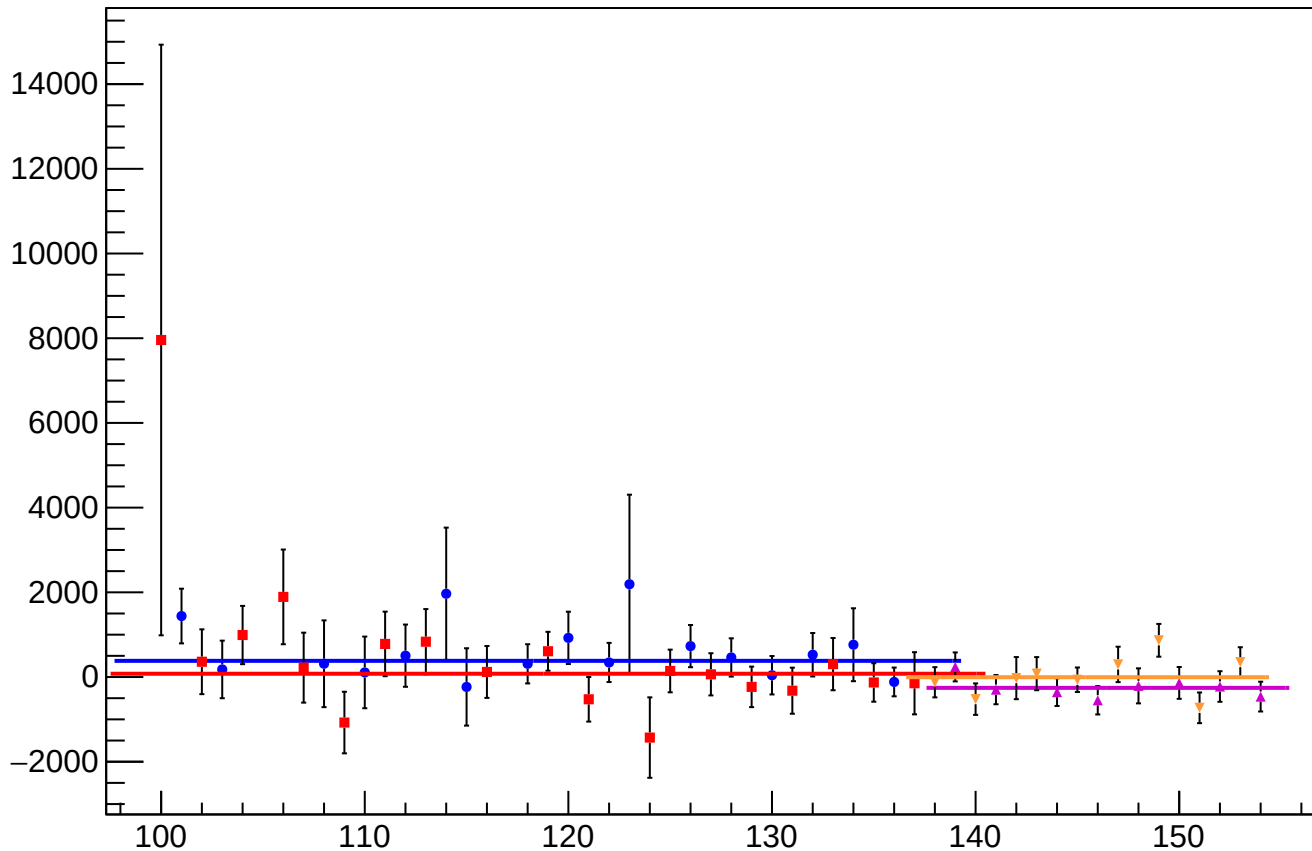
Right: 440.377+/-0.091 χ^2/NDF : 4068538.6/35

In: 379.334+/-0.078 χ^2/NDF :2693717.8/24

Out: 387.269+/-0.078 χ^2/NDF :2770811.9/27

All: 383.255+/-0.055 χ^2/NDF : 5469709.4/52

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 381.893 ± 141.192 $\chi^2/\text{NDF}: 9.4/16$

Left Out: -4.658 ± 123.346 $\chi^2/\text{NDF}: 12.8/8$

Right Out: 77.490 ± 143.469 $\chi^2/\text{NDF}: 16.8/18$

Left In: -255.849 ± 125.106 $\chi^2/\text{NDF}: 3.4/7$

Left: -128.474 ± 87.835 $\chi^2/\text{NDF}: 18.2/16$

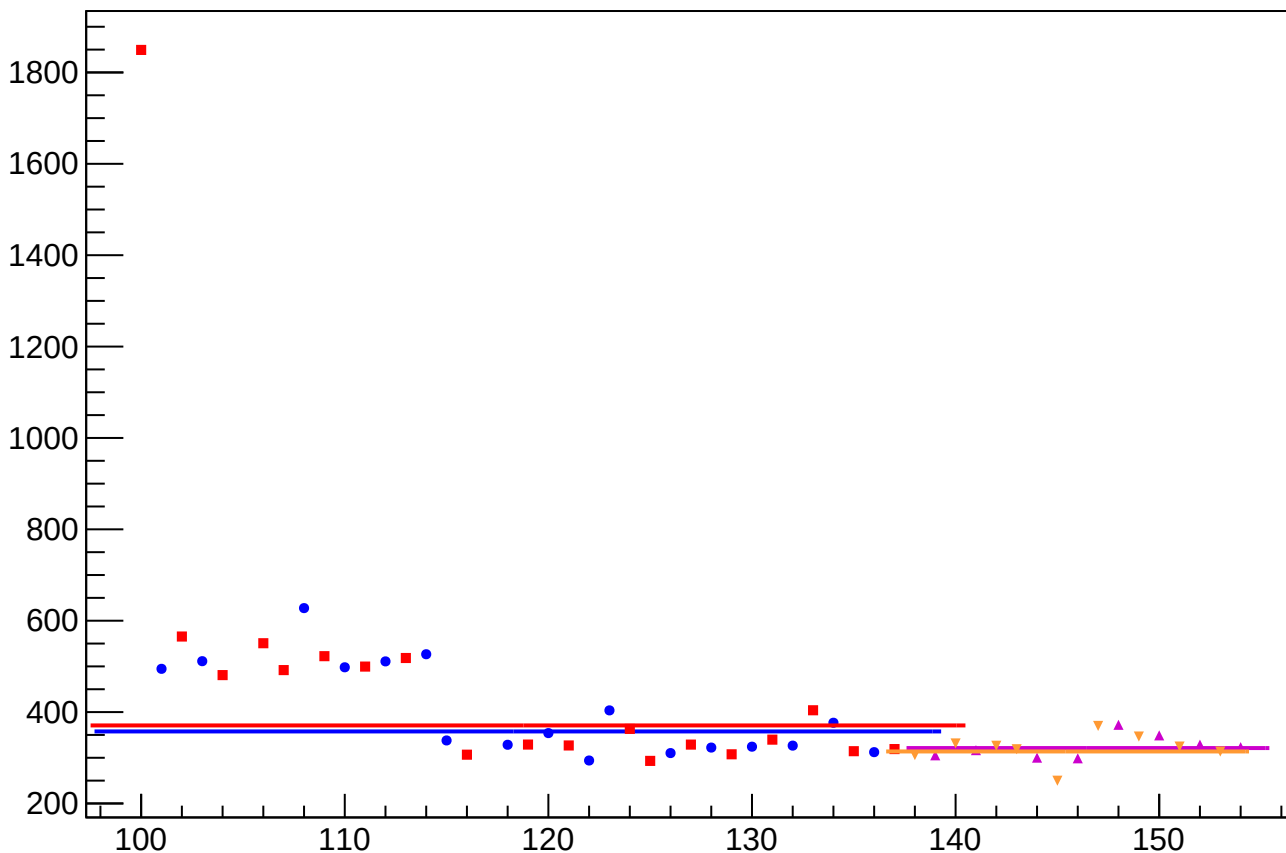
Right: 232.126 ± 100.633 $\chi^2/\text{NDF}: 28.5/35$

In: 24.639 ± 93.637 $\chi^2/\text{NDF}: 24.3/24$

Out: 30.256 ± 93.531 $\chi^2/\text{NDF}: 29.7/27$

All: 27.450 ± 66.174 $\chi^2/\text{NDF}: 54.0/52$

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 357.664 $\pm$ 0.100 χ^2 /NDF: 629671.7/16

Left Out: 313.847 $\pm$ 0.087 χ^2 /NDF:156537.9/8

Right Out: 370.794 $\pm$ 0.101 χ^2 /NDF: 784786.3/18

Left In: 321.258 $\pm$ 0.088 χ^2 /NDF:63990.4/7

Left: 317.500 $\pm$ 0.062 χ^2 /NDF: 224086.7/16

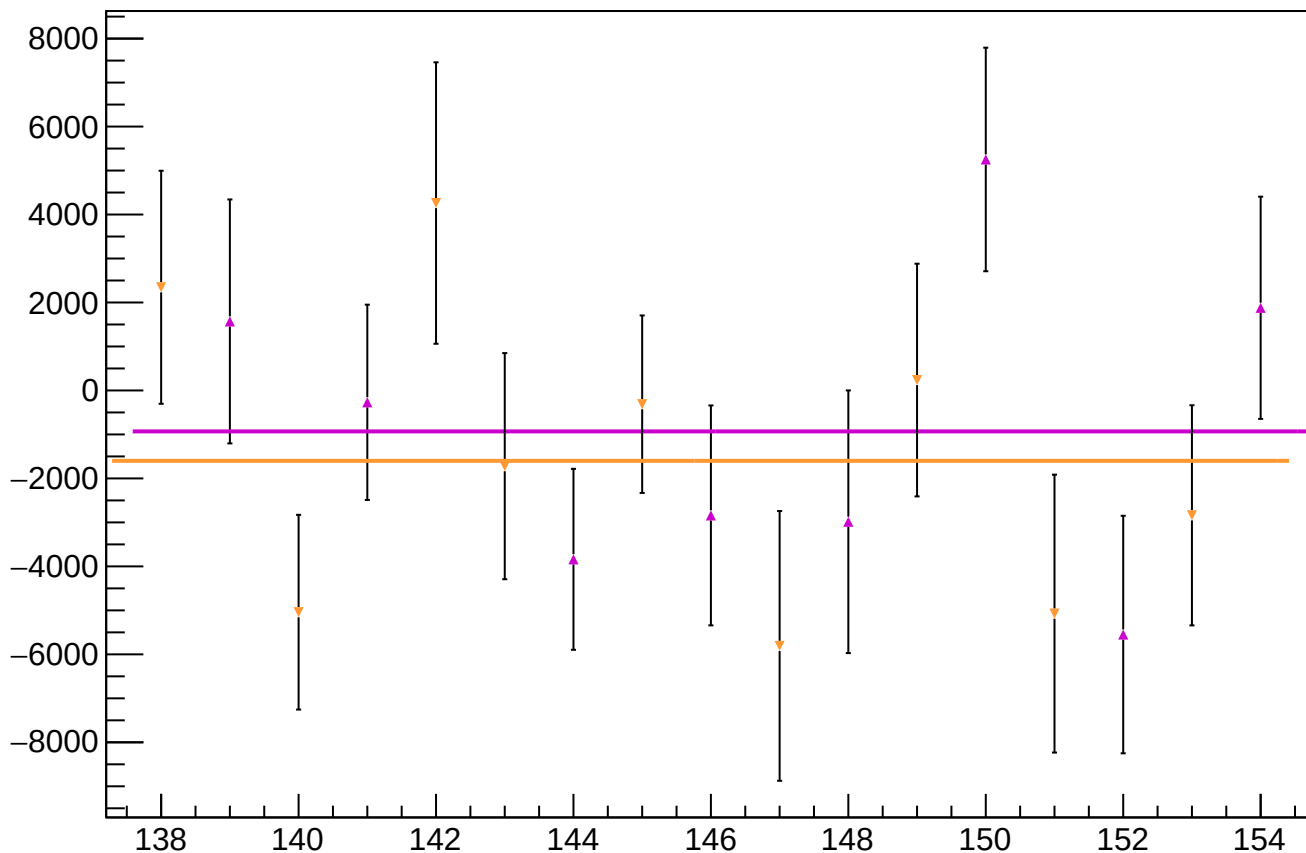
Right: 364.124 $\pm$ 0.071 χ^2 /NDF: 1422966.9/35

In: 337.270 $\pm$ 0.066 χ^2 /NDF:768151.8/24

Out: 338.050 $\pm$ 0.066 χ^2 /NDF:1122505.9/27

All: 337.660 $\pm$ 0.047 χ^2 /NDF: 1890727.1/52

asym_sam2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1600.240+/-860.596 χ^2/NDF :12.2/8

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

Left In: -930.673+/-880.460 χ^2/NDF :14.0/7

Left: -1273.095+/-615.436 χ^2/NDF : 26.6/16

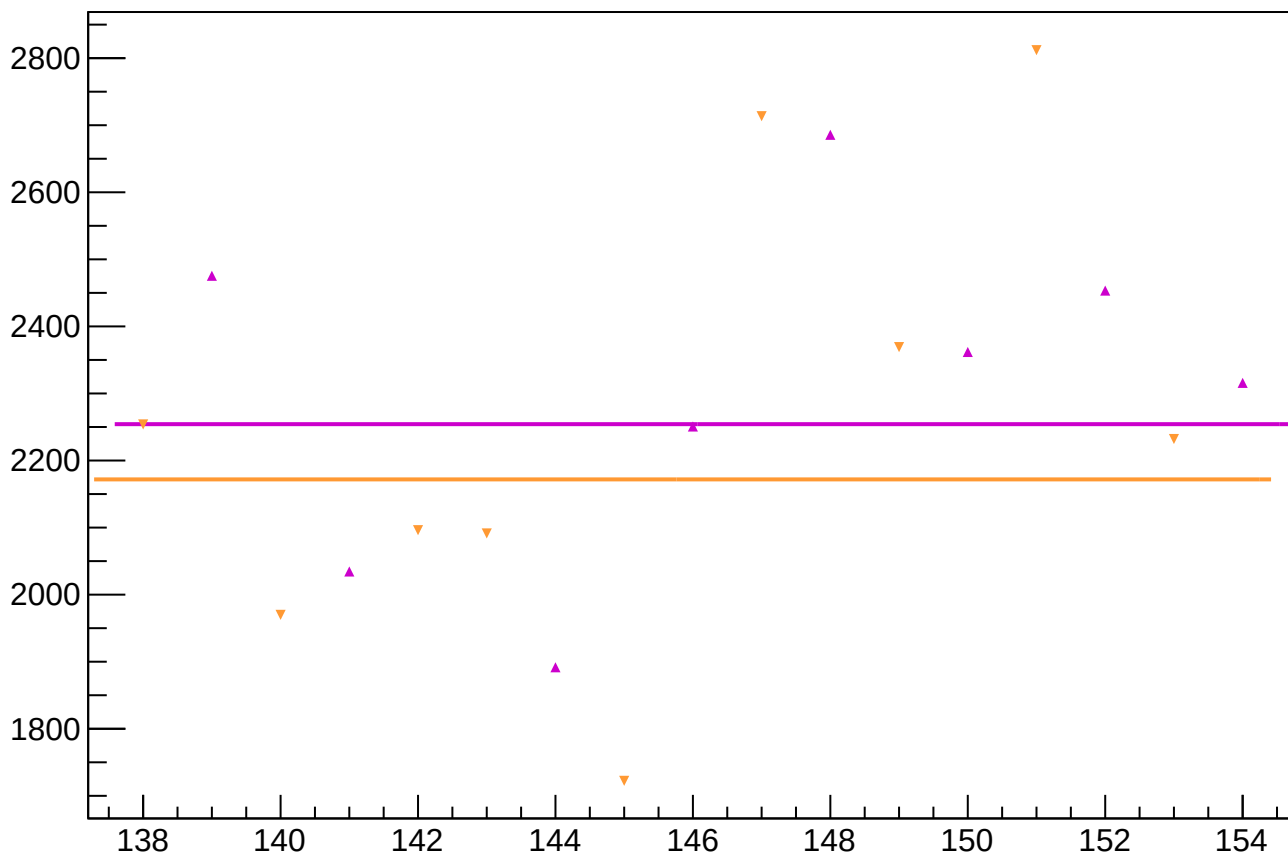
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -930.673+/-880.460 χ^2/NDF :14.0/7

Out: -1600.240+/-860.596 χ^2/NDF :12.2/8

All: -1273.095+/-615.436 χ^2/NDF : 26.6/16

asym_sam2_correction_rms vs Slug, Sign Corrected



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

Left Out: 2171.864+/-0.609 χ^2/NDF :277651.4/8

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

Left In: 2254.228+/-0.623 χ^2/NDF :151837.9/7

Left: 2212.106+/-0.435 χ^2/NDF : 438439.9/16

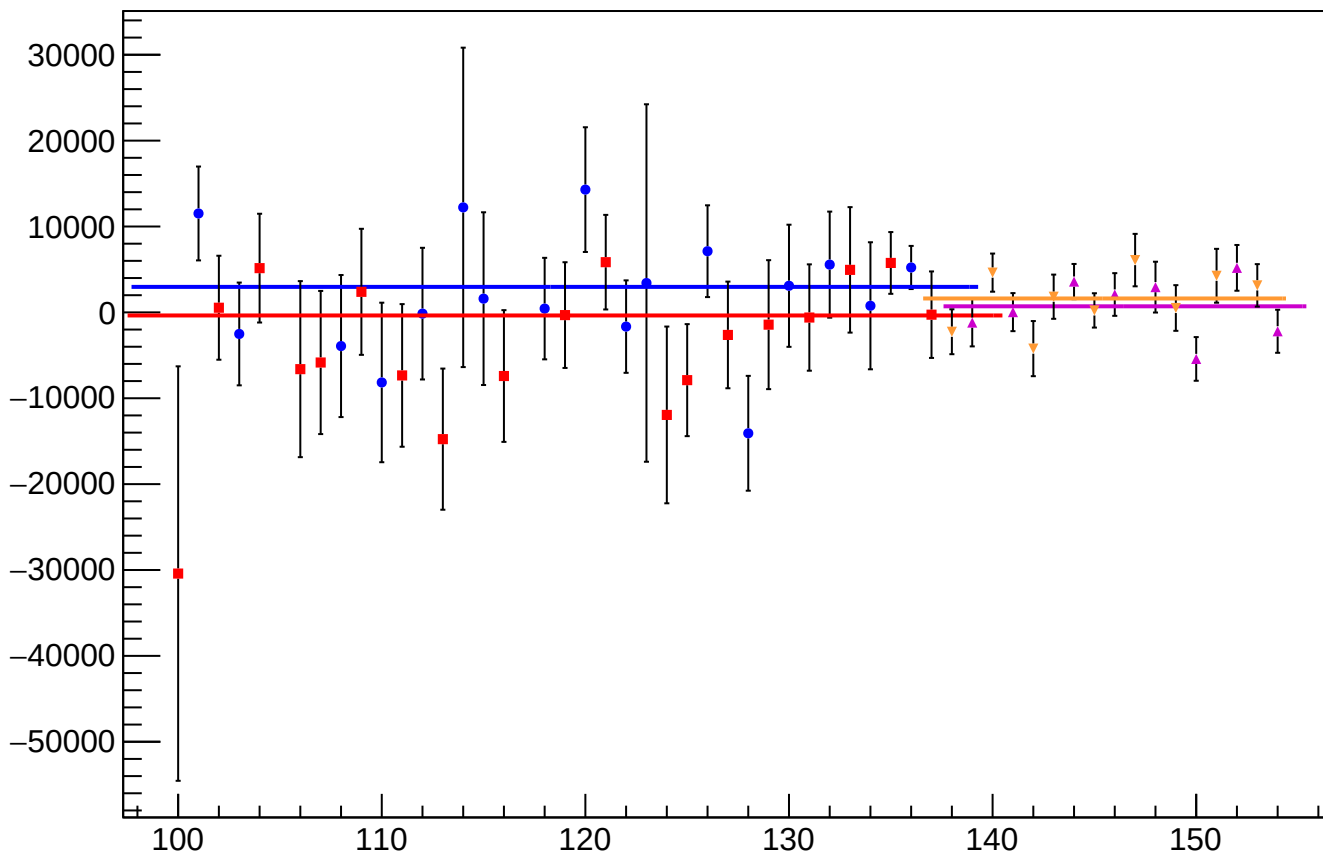
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2254.228+/-0.623 χ^2/NDF :151837.9/7

Out: 2171.864+/-0.609 χ^2/NDF :277651.4/8

All: 2212.106+/-0.435 χ^2/NDF : 438439.9/16

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2969.125+/-1440.489 χ^2/NDF : 17.4/16

Left Out: 1619.179+/-857.039 χ^2/NDF : 11.2/8

Right Out: -358.685+/-1507.064 χ^2/NDF : 15.3/18

Left In: 706.829+/-876.243 χ^2/NDF : 13.4/7

Left: 1173.111+/-612.695 χ^2/NDF : 25.2/16

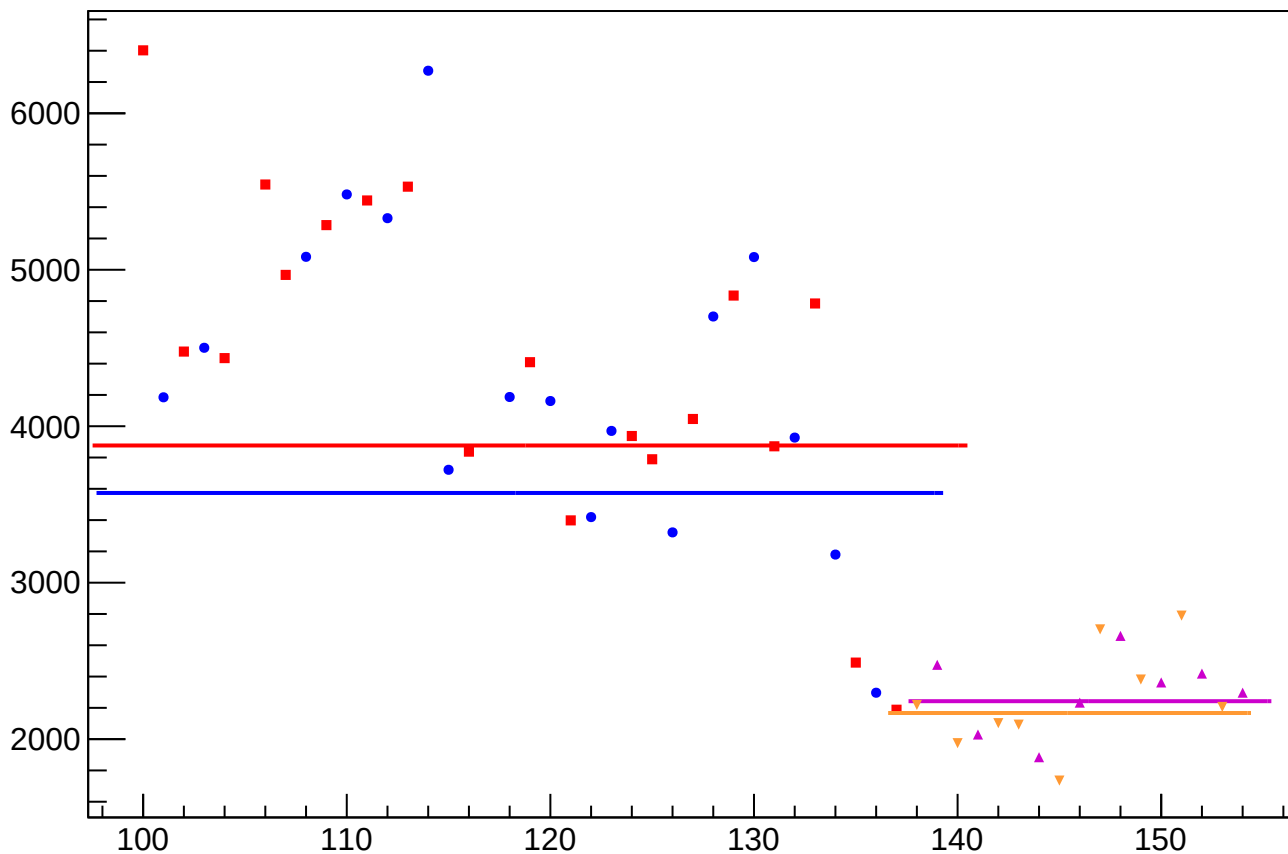
Right: 1380.346+/-1041.320 χ^2/NDF : 35.3/35

In: 1317.843+/-748.619 χ^2/NDF : 32.6/24

Out: 1135.849+/-744.998 χ^2/NDF : 27.9/27

All: 1226.405+/-528.069 χ^2/NDF : 60.5/52

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3573.470+/-1.019 χ^2/NDF : 1088731.5/16

Left Out: 2167.093+/-0.606 χ^2/NDF : 265311.2/8

Right Out: 3876.914+/-1.066 χ^2/NDF : 988409.8/18

Left In: 2242.585+/-0.620 χ^2/NDF : 147488.4/7

Left: 2204.002+/-0.433 χ^2/NDF : 420386.6/16

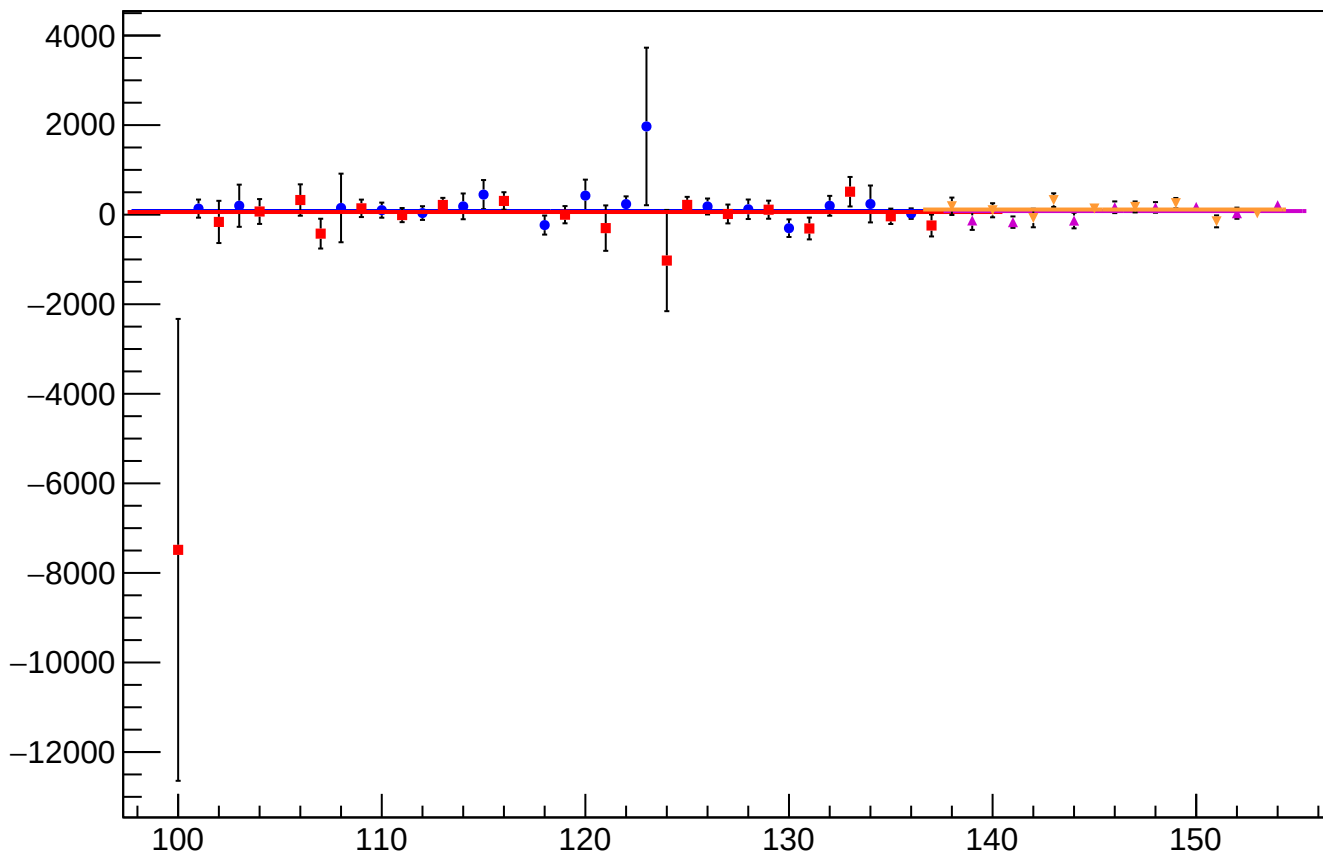
Right: 3718.342+/-0.736 χ^2/NDF : 2119512.7/35

In: 2602.038+/-0.529 χ^2/NDF : 2482349.1/24

Out: 2584.921+/-0.527 χ^2/NDF : 3198979.5/27

All: 2593.438+/-0.373 χ^2/NDF : 5681854.0/52

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 81.851 $\pm$ 51.907 χ^2 /NDF: 11.5/16

Left Out: 114.849 $\pm$ 44.920 χ^2 /NDF:9.1/8

Right Out: 59.008 $\pm$ 53.165 χ^2 /NDF: 16.4/18

Left In: 80.240 $\pm$ 45.378 χ^2 /NDF:9.5/7

Left: 97.720 $\pm$ 31.924 χ^2 /NDF: 18.9/16

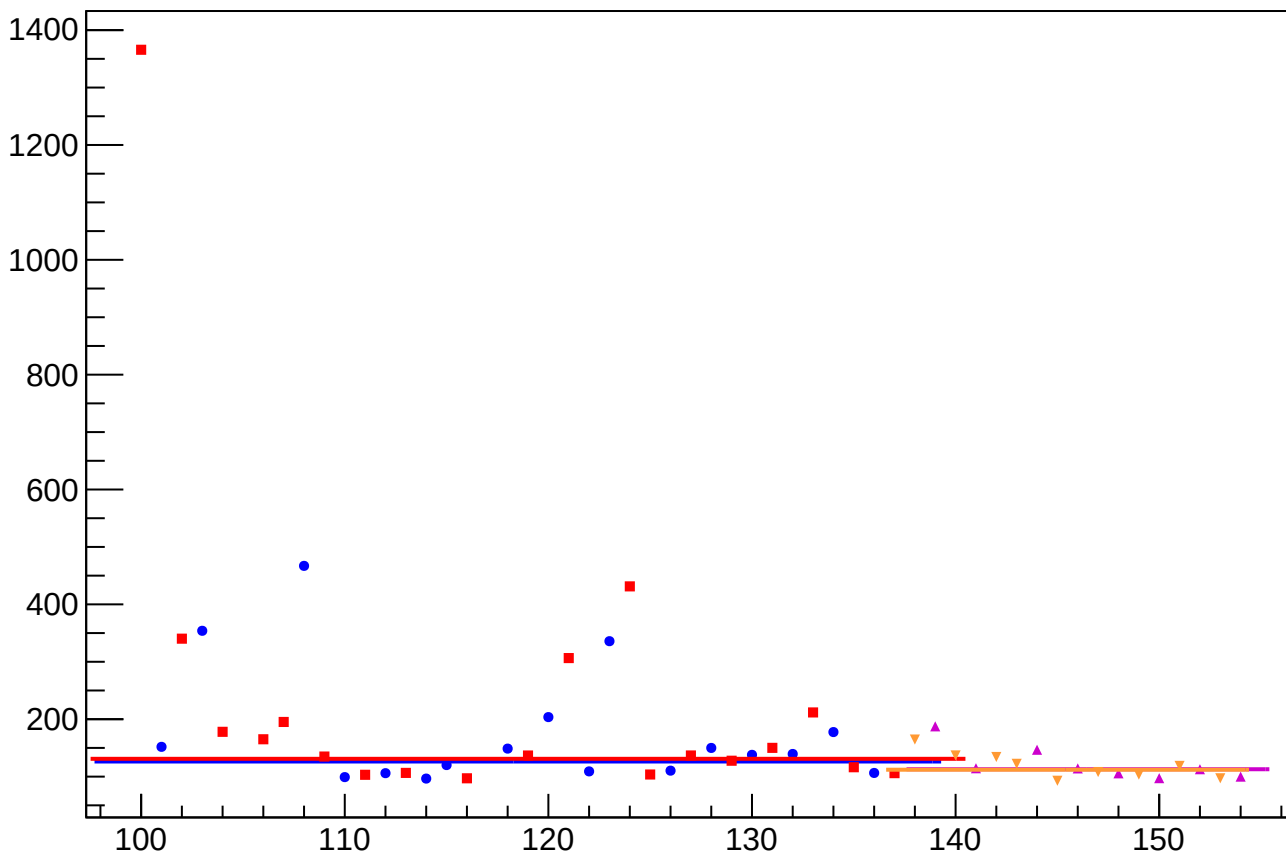
Right: 70.703 $\pm$ 37.141 χ^2 /NDF: 28.1/35

In: 80.938 $\pm$ 34.164 χ^2 /NDF:21.0/24

Out: 91.590 $\pm$ 34.313 χ^2 /NDF:26.2/27

All: 86.240 $\pm$ 24.210 χ^2 /NDF: 47.3/52

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 126.339+/-0.037 χ^2/NDF : 1310585.0/16

Left Out: 112.030+/-0.032 χ^2/NDF : 344210.6/8

Right Out: 131.007+/-0.038 χ^2/NDF : 1429260.8/18

Left In: 112.867+/-0.032 χ^2/NDF : 405400.8/7

Left: 112.444+/-0.023 χ^2/NDF : 749954.9/16

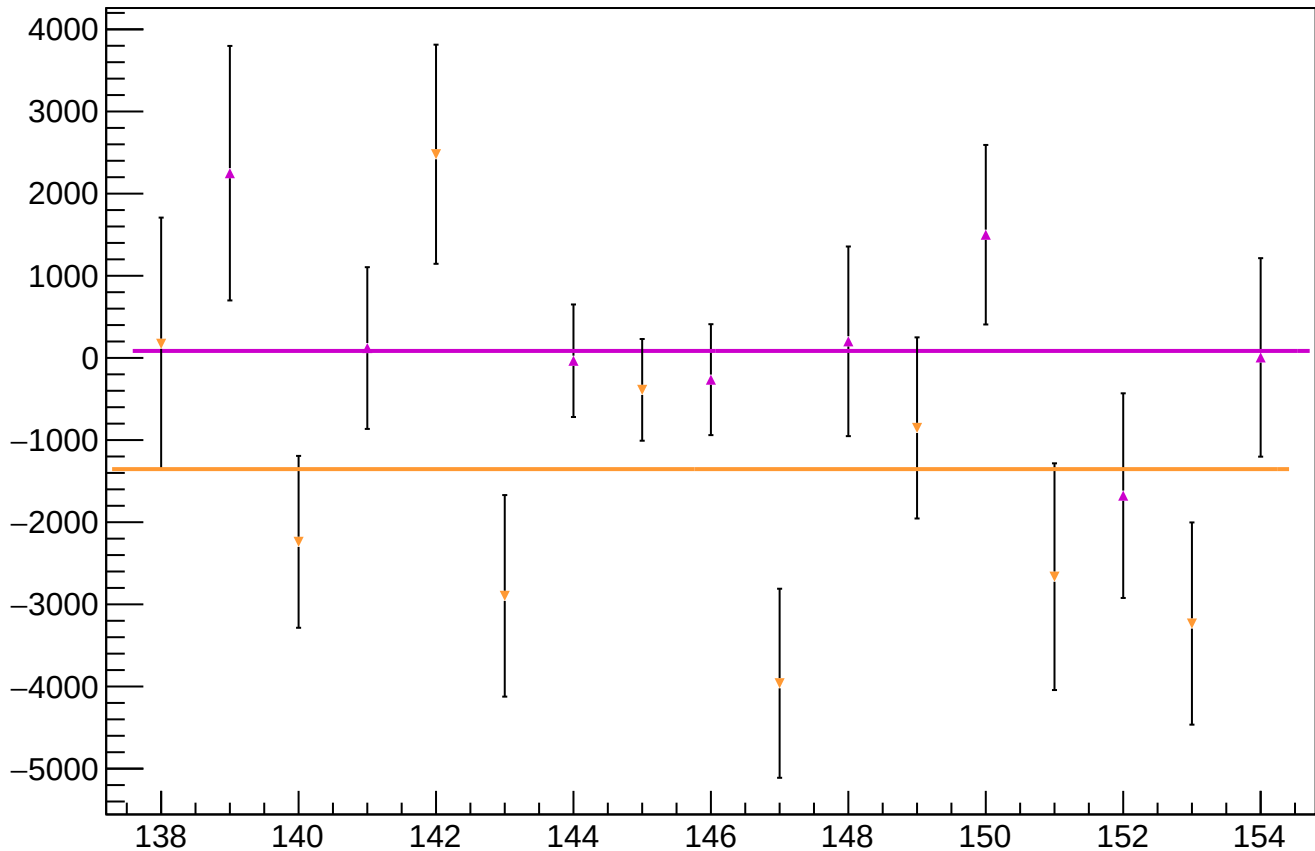
Right: 128.617+/-0.026 χ^2/NDF : 2747739.0/35

In: 118.703+/-0.024 χ^2/NDF : 1792355.0/24

Out: 119.935+/-0.024 χ^2/NDF : 1922151.7/27

All: 119.316+/-0.017 χ^2/NDF : 3715801.0/52

asym_sam3_correction_mean vs Slug, Sign Corrected



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

Left Out: -1353.626+/-354.985 χ^2/NDF :22.5/8

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

Left In: 85.060+/-339.229 χ^2/NDF :5.9/7

Left: -601.645+/-245.252 χ^2/NDF : 37.1/16

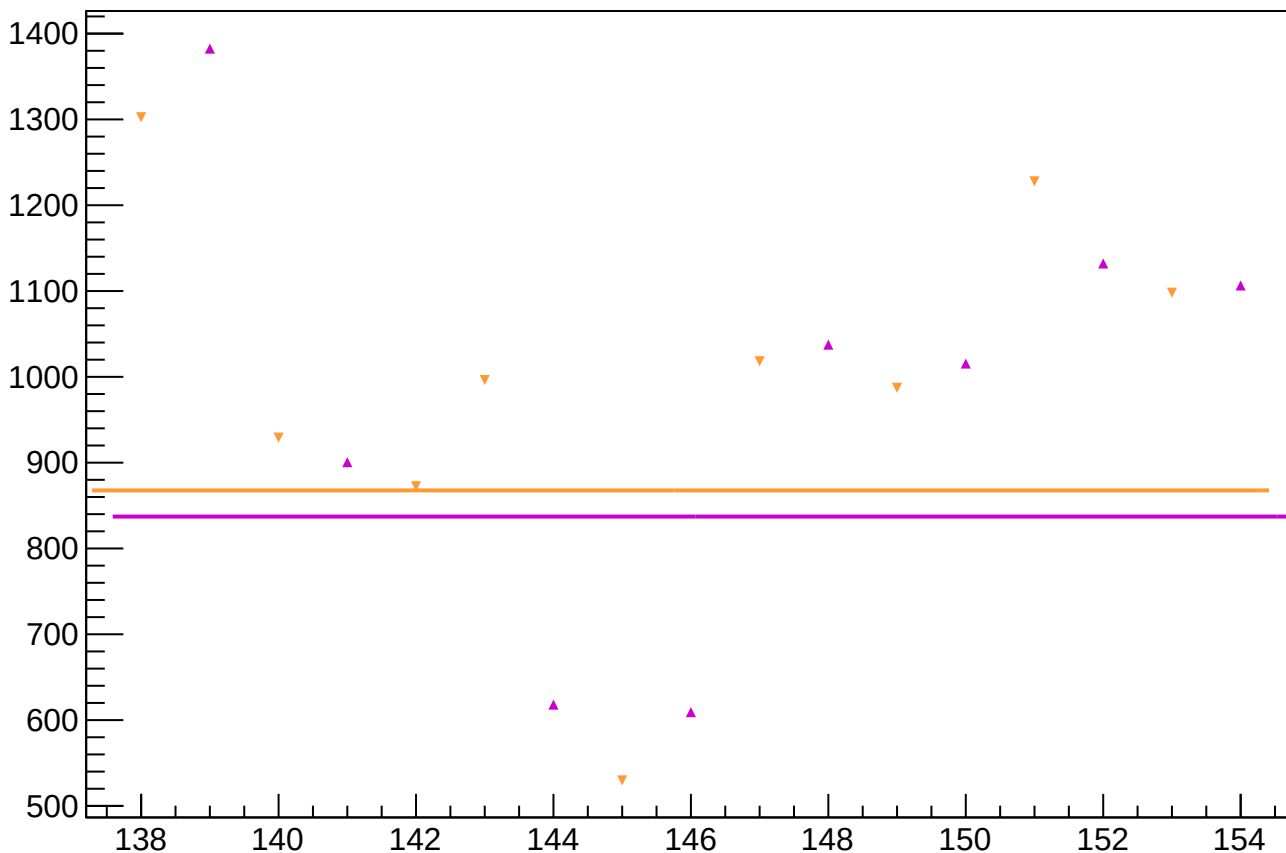
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 85.060+/-339.229 χ^2/NDF :5.9/7

Out: -1353.626+/-354.985 χ^2/NDF :22.5/8

All: -601.645+/-245.252 χ^2/NDF : 37.1/16

asym_sam3_correction_rms vs Slug, Sign Corrected



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

Left Out: 867.677+/-0.251 χ^2/NDF :1049164.4/8

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

Left In: 837.192+/-0.240 χ^2/NDF :1013638.6/7

Left: 851.742+/-0.173 χ^2/NDF : 2070512.4/16

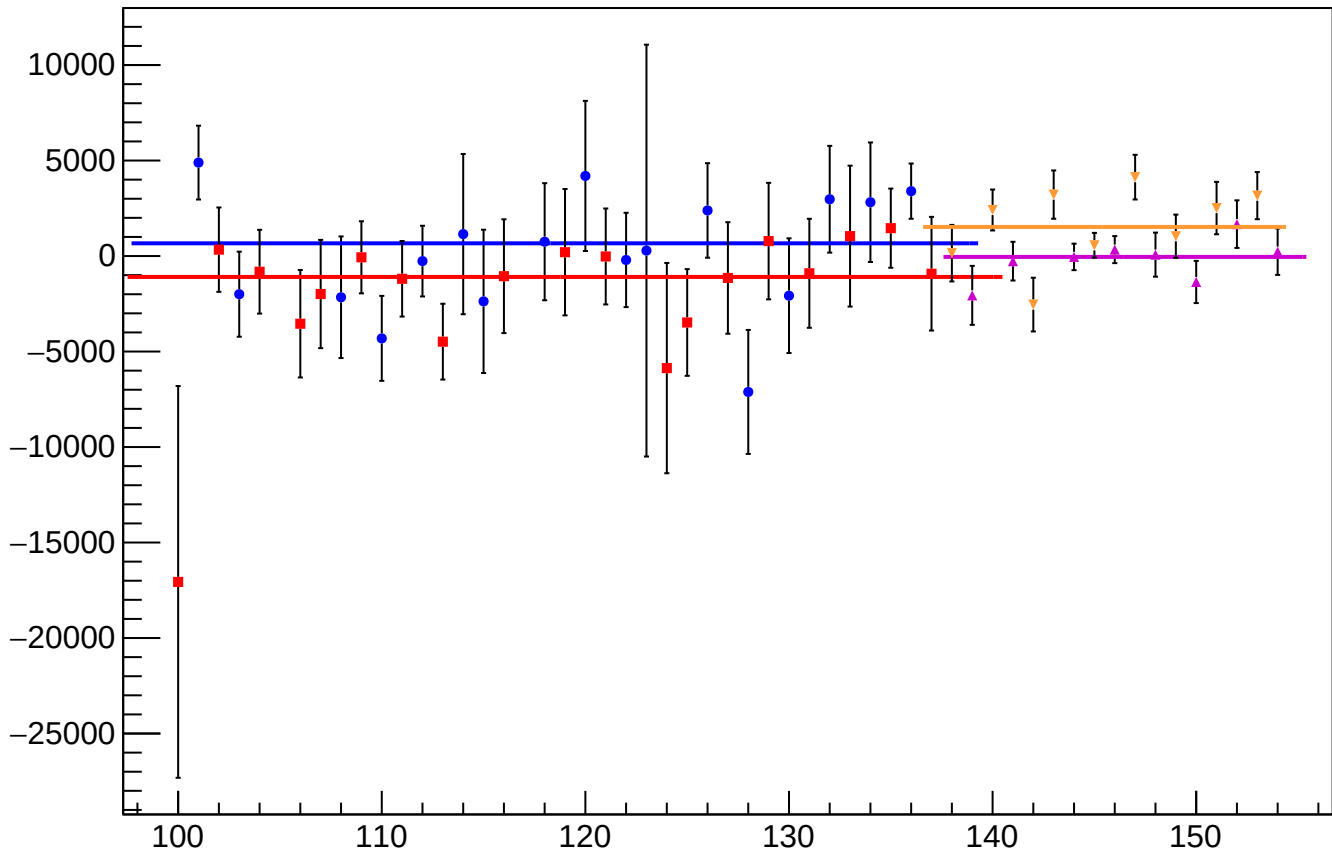
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 837.192+/-0.240 χ^2/NDF :1013638.6/7

Out: 867.677+/-0.251 χ^2/NDF :1049164.4/8

All: 851.742+/-0.173 χ^2/NDF : 2070512.4/16

asym_sam3_mean vs Slug, Sign Corrected



Right In: 666.453+/-618.839 χ^2/NDF : 25.6/16

Left Out: 1523.780+/-364.597 χ^2/NDF : 21.3/8

Right Out: -1094.278+/-602.639 χ^2/NDF : 11.0/18

Left In: -44.705+/-345.885 χ^2/NDF : 5.4/7

Left: 698.256+/-250.932 χ^2/NDF : 36.5/16

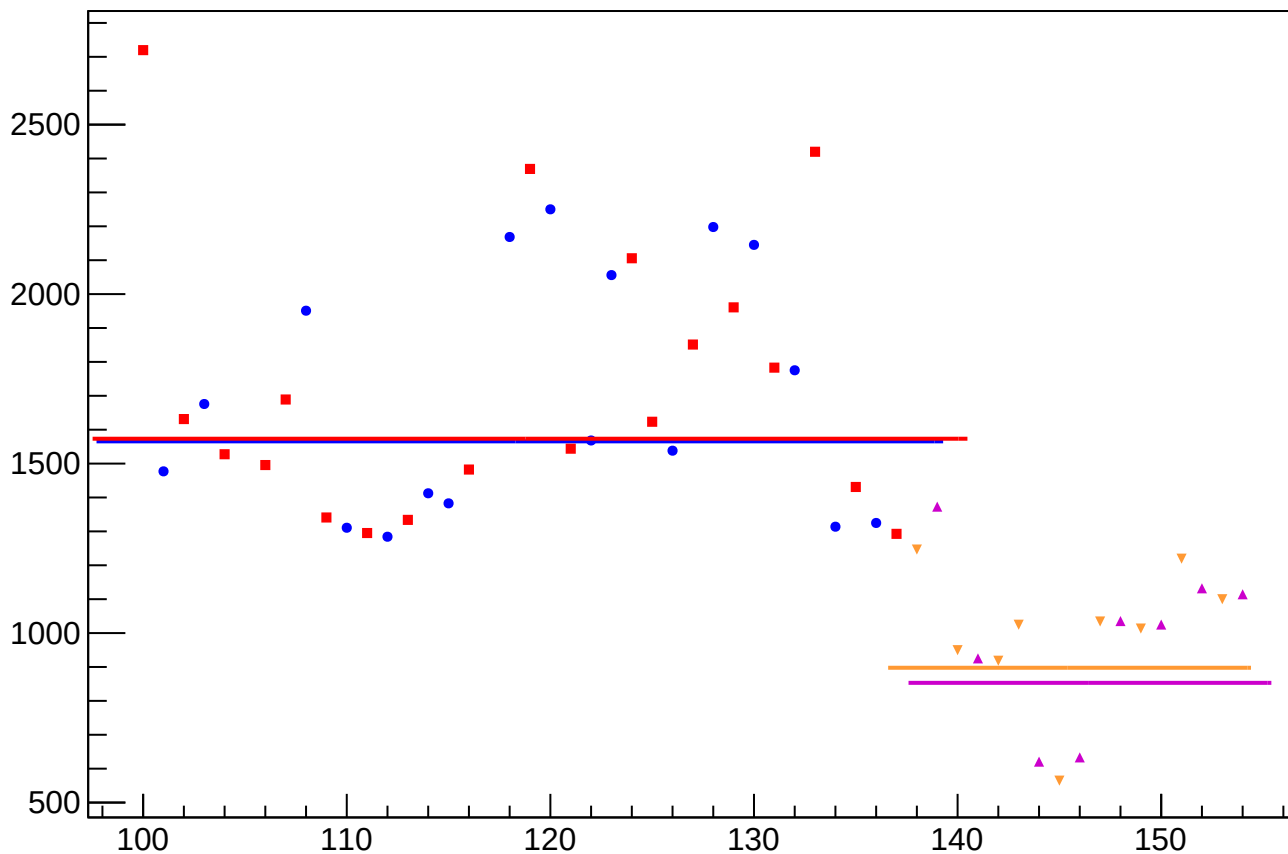
Right: -237.260+/-431.744 χ^2/NDF : 40.8/35

In: 124.576+/-301.925 χ^2/NDF : 32.1/24

Out: 822.273+/-311.949 χ^2/NDF : 46.1/27

All: 462.034+/-216.950 χ^2/NDF : 80.8/52

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1565.623+/-0.438 χ^2/NDF : 490790.2/16

Left Out: 897.692+/-0.258 χ^2/NDF : 872886.4/8

Right Out: 1573.366+/-0.426 χ^2/NDF : 462040.3/18

Left In: 853.172+/-0.245 χ^2/NDF : 945399.4/7

Left: 874.261+/-0.177 χ^2/NDF : 1833980.7/16

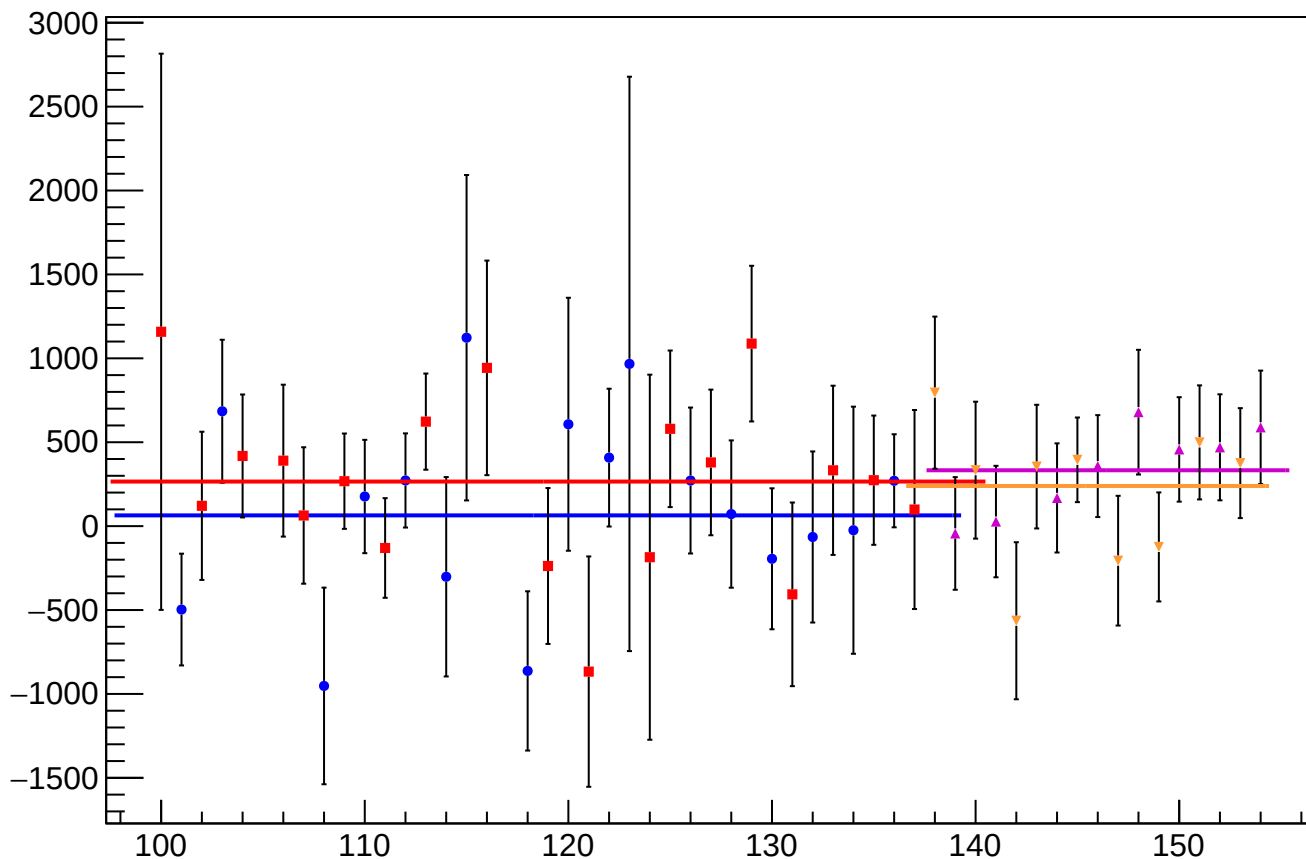
Right: 1569.597+/-0.305 χ^2/NDF : 952991.2/35

In: 1022.761+/-0.213 χ^2/NDF : 3456035.7/24

Out: 1078.738+/-0.221 χ^2/NDF : 3175402.1/27

All: 1049.836+/-0.153 χ^2/NDF : 6664689.5/52

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 64.087 $\pm$ 105.336 χ^2 /NDF: 16.8/16

Left Out: 239.321 $\pm$ 117.303 χ^2 /NDF: 8.3/8

Right Out: 265.661 $\pm$ 99.379 χ^2 /NDF: 14.7/18

Left In: 332.874 $\pm$ 115.802 χ^2 /NDF: 4.2/7

Left: 286.699 $\pm$ 82.410 χ^2 /NDF: 12.8/16

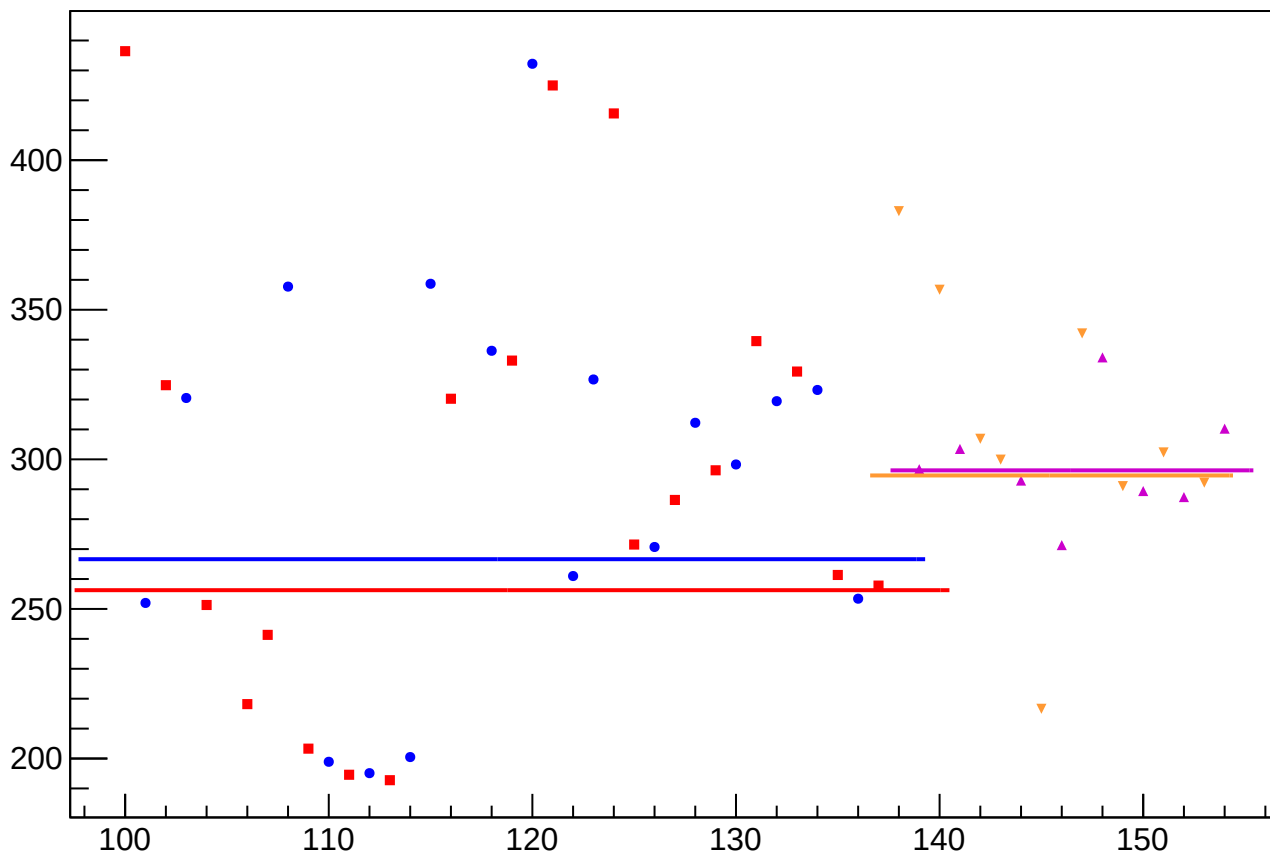
Right: 170.735 $\pm$ 72.286 χ^2 /NDF: 33.4/35

In: 185.788 $\pm$ 77.922 χ^2 /NDF: 23.9/24

Out: 254.655 $\pm$ 75.826 χ^2 /NDF: 23.0/27

All: 221.160 $\pm$ 54.343 χ^2 /NDF: 47.3/52

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 266.624 $\pm$ 0.074 χ^2 /NDF: 550752.5/16

Left Out: 294.616 $\pm$ 0.083 χ^2 /NDF: 346883.3/8

Right Out: 256.268 $\pm$ 0.070 χ^2 /NDF: 696896.2/18

Left In: 296.322 $\pm$ 0.082 χ^2 /NDF: 41331.1/7

Left: 295.480 $\pm$ 0.058 χ^2 /NDF: 388428.5/16

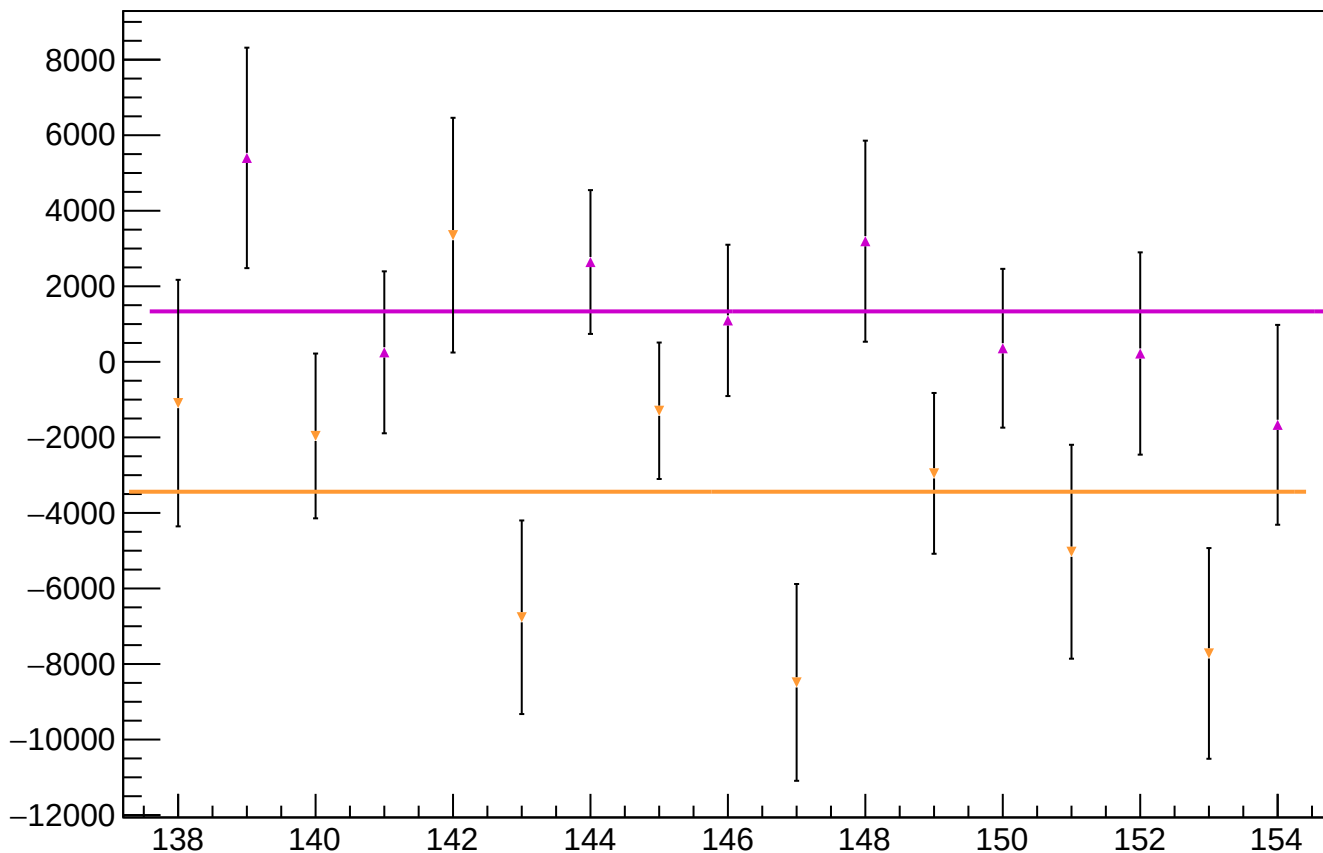
Right: 261.145 $\pm$ 0.051 χ^2 /NDF: 1257876.6/35

In: 280.071 $\pm$ 0.055 χ^2 /NDF: 664060.1/24

Out: 272.292 $\pm$ 0.054 χ^2 /NDF: 1168212.6/27

All: 276.075 $\pm$ 0.038 χ^2 /NDF: 1842510.4/52

asym_sam4_correction_mean vs Slug, Sign Corrected



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

Left Out: -3438.557+/-819.885 χ^2/NDF :15.3/8

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

Left In: 1335.555+/-813.833 χ^2/NDF :4.8/7

Left: -1033.814+/-577.595 χ^2/NDF : 37.2/16

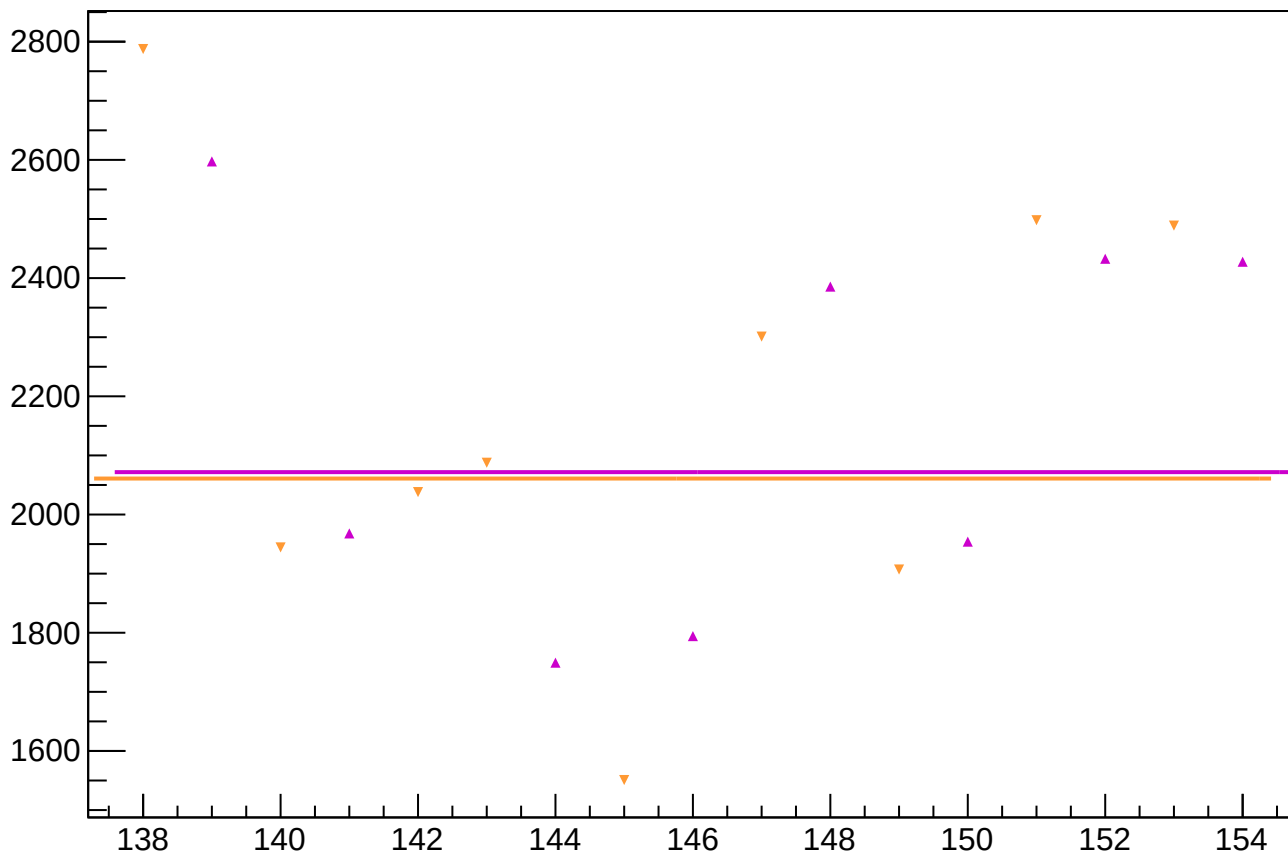
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1335.555+/-813.833 χ^2/NDF :4.8/7

Out: -3438.557+/-819.885 χ^2/NDF :15.3/8

All: -1033.814+/-577.595 χ^2/NDF : 37.2/16

asym_sam4_correction_rms vs Slug, Sign Corrected



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

Left Out: 2060.878+/-0.580 χ^2/NDF : 386830.7/8

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

Left In: 2071.720+/-0.575 χ^2/NDF : 271895.2/7

Left: 2066.339+/-0.408 χ^2/NDF : 658902.1/16

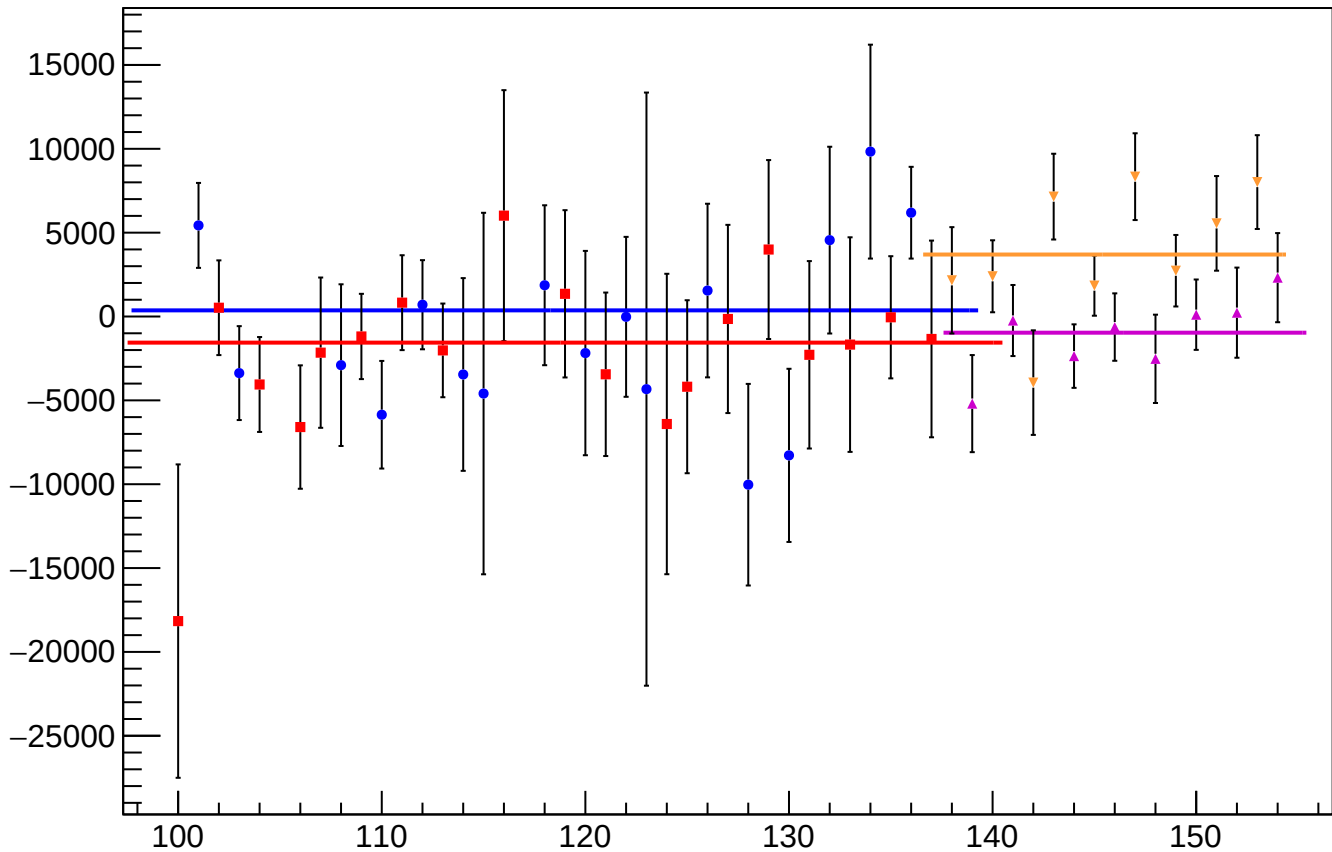
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2071.720+/-0.575 χ^2/NDF : 271895.2/7

Out: 2060.878+/-0.580 χ^2/NDF : 386830.7/8

All: 2066.339+/-0.408 χ^2/NDF : 658902.1/16

asym_sam4_mean vs Slug, Sign Corrected



Right In: 366.454+/-992.480 χ^2/NDF : 24.2/16

Left Out: 3696.004+/-815.033 χ^2/NDF :15.7/8

Right Out: -1557.388+/-924.003 χ^2/NDF : 10.5/18

Left In: -964.946+/-811.173 χ^2/NDF :5.2/7

Left: 1354.465+/-574.946 χ^2/NDF : 37.3/16

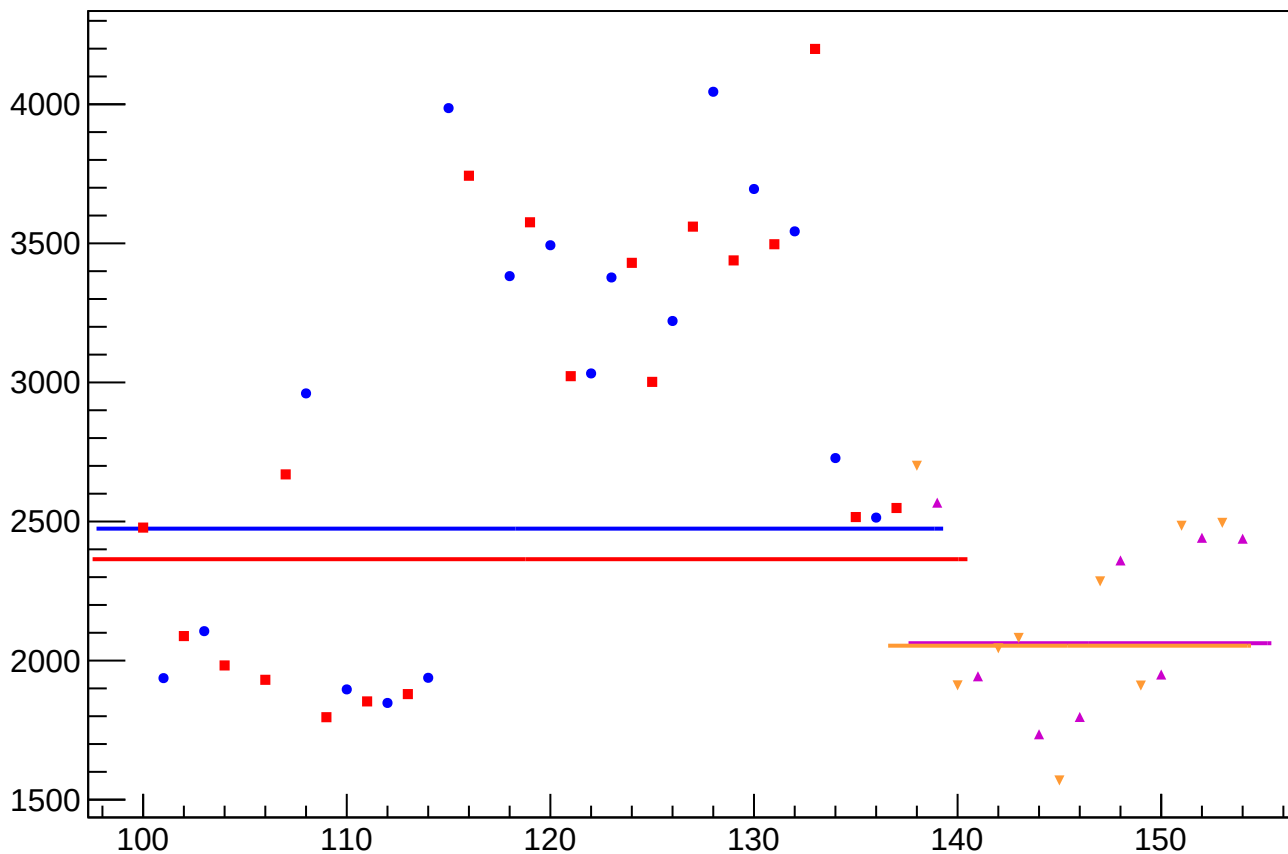
Right: -664.120+/-676.282 χ^2/NDF : 36.7/35

In: -431.743+/-628.079 χ^2/NDF :30.4/24

Out: 1397.202+/-611.229 χ^2/NDF :44.4/27

All: 507.592+/-438.040 χ^2/NDF : 79.2/52

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2474.389 $\pm$ 0.702 χ^2/NDF : 906262.1/16

Left Out: 2053.568 $\pm$ 0.576 χ^2/NDF : 359574.3/8

Right Out: 2364.507 $\pm$ 0.653 χ^2/NDF : 1023402.8/18

Left In: 2062.457 $\pm$ 0.574 χ^2/NDF : 272880.3/7

Left: 2058.033 $\pm$ 0.407 χ^2/NDF : 632574.1/16

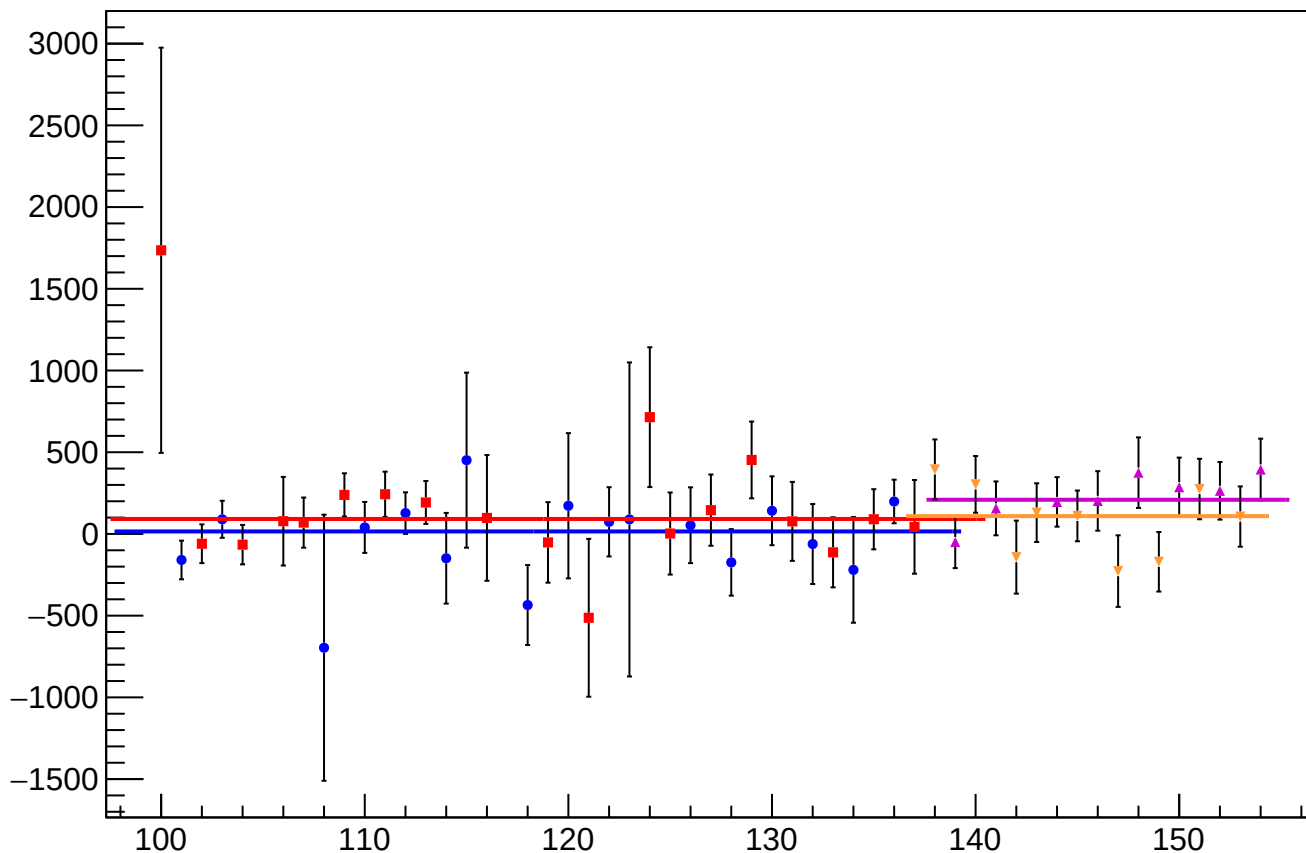
Right: 2415.527 $\pm$ 0.478 χ^2/NDF : 1942797.3/35

In: 2227.429 $\pm$ 0.444 χ^2/NDF : 1385698.8/24

Out: 2189.630 $\pm$ 0.432 χ^2/NDF : 1510354.7/27

All: 2208.015 $\pm$ 0.310 χ^2/NDF : 2899773.7/52

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 15.303+/-46.443 χ^2/NDF : 12.6/16

Left Out: 109.031+/-61.408 χ^2/NDF : 10.5/8

Right Out: 91.634+/-43.318 χ^2/NDF : 15.7/18

Left In: 209.136+/-61.778 χ^2/NDF : 4.6/7

Left: 158.783+/-43.552 χ^2/NDF : 16.4/16

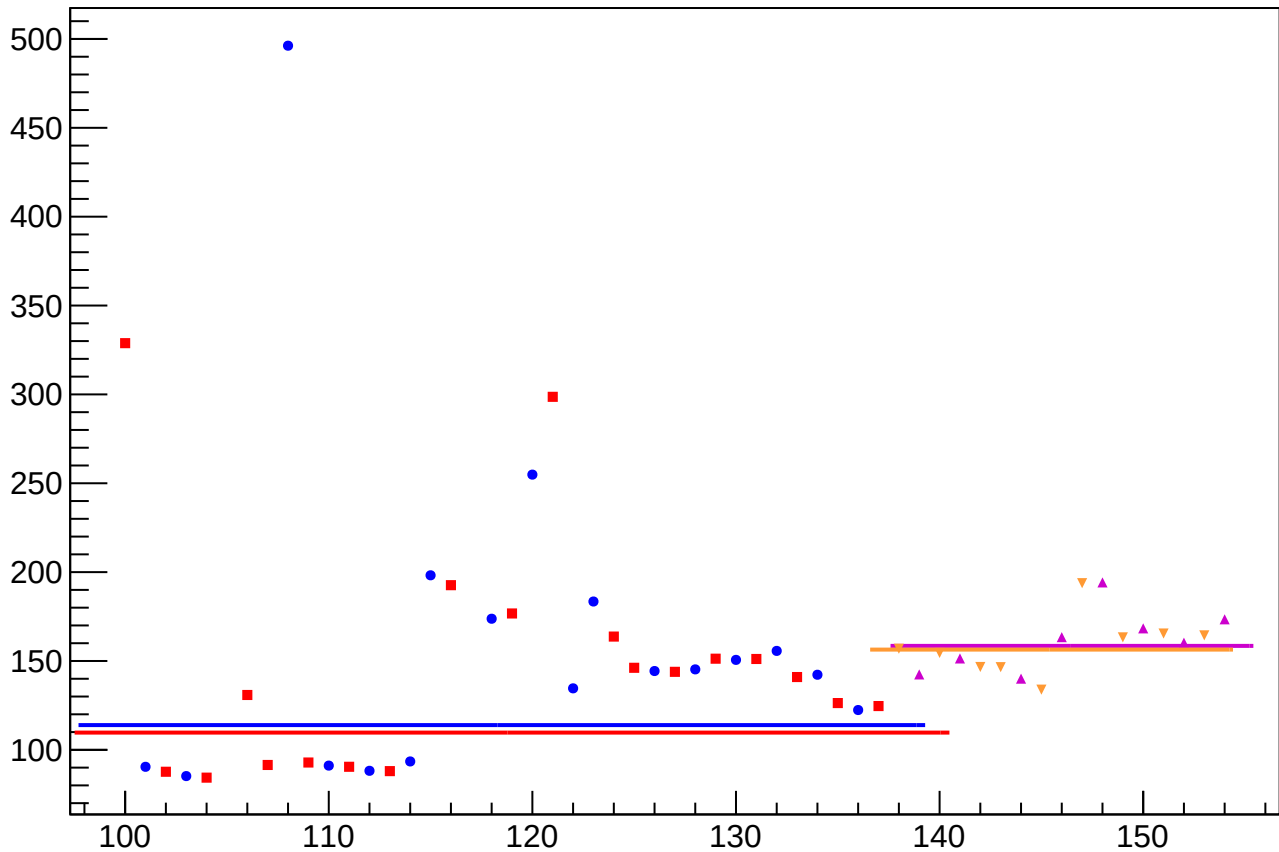
Right: 56.123+/-31.678 χ^2/NDF : 29.7/35

In: 85.294+/-37.123 χ^2/NDF : 23.4/24

Out: 97.414+/-35.397 χ^2/NDF : 26.2/27

All: 91.643+/-25.618 χ^2/NDF : 49.7/52

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 113.932 $\pm$ 0.033 χ^2 /NDF: 1407849.3/16

Left Out: 156.410 $\pm$ 0.043 χ^2 /NDF:121963.2/8

Right Out: 109.709 $\pm$ 0.031 χ^2 /NDF: 1242014.6/18

Left In: 158.498 $\pm$ 0.044 χ^2 /NDF:128393.1/7

Left: 157.448 $\pm$ 0.031 χ^2 /NDF: 251505.0/16

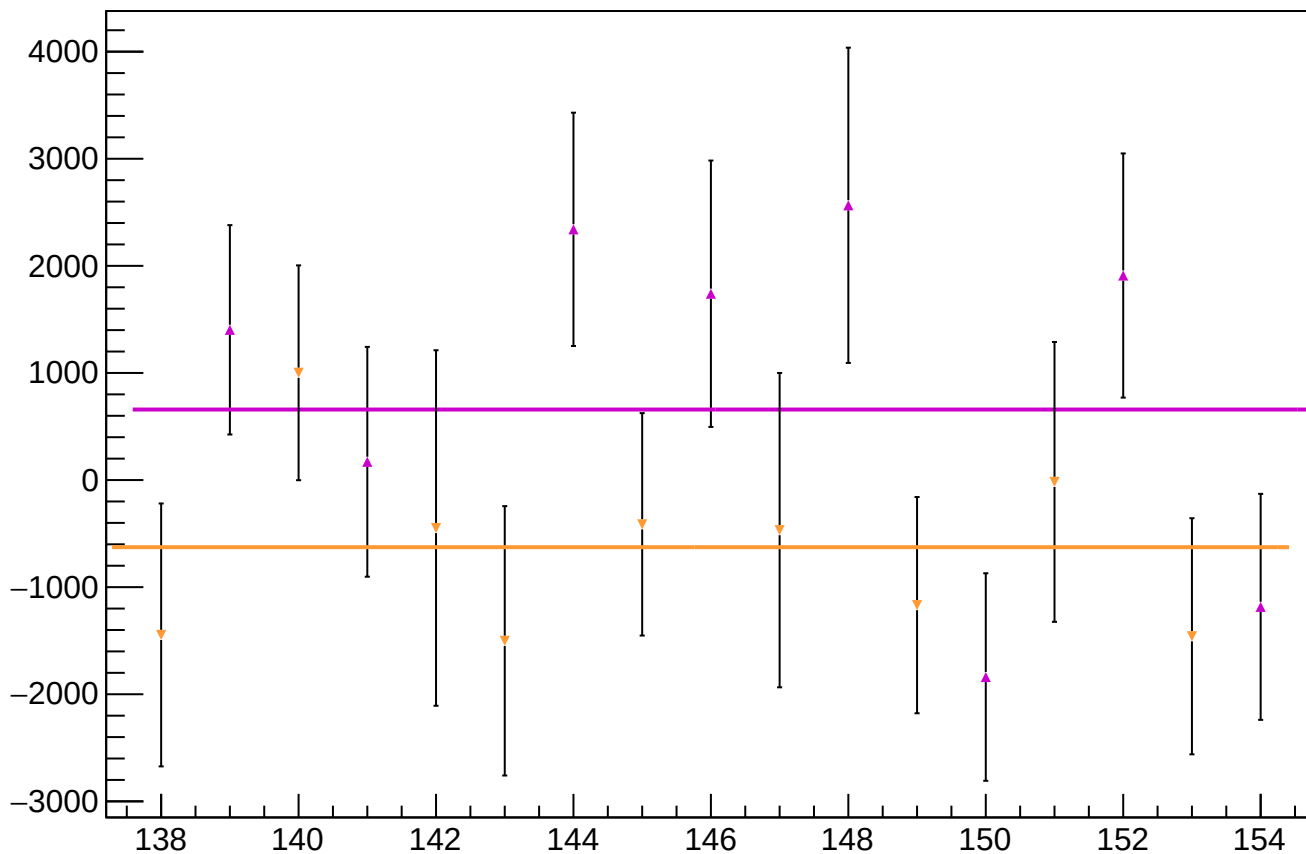
Right: 111.674 $\pm$ 0.022 χ^2 /NDF: 2658703.6/35

In: 130.024 $\pm$ 0.026 χ^2 /NDF:2201226.1/24

Out: 125.227 $\pm$ 0.025 χ^2 /NDF:2136357.2/27

All: 127.511 $\pm$ 0.018 χ^2 /NDF: 4355078.6/52

asym_sam5_correction_mean vs Slug, Sign Corrected



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

Left Out: -626.779+/-394.223 χ^2/NDF :4.7/8

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

Left In: 658.449+/-389.256 χ^2/NDF :16.5/7

Left: 23.983+/-276.985 χ^2/NDF : 26.6/16

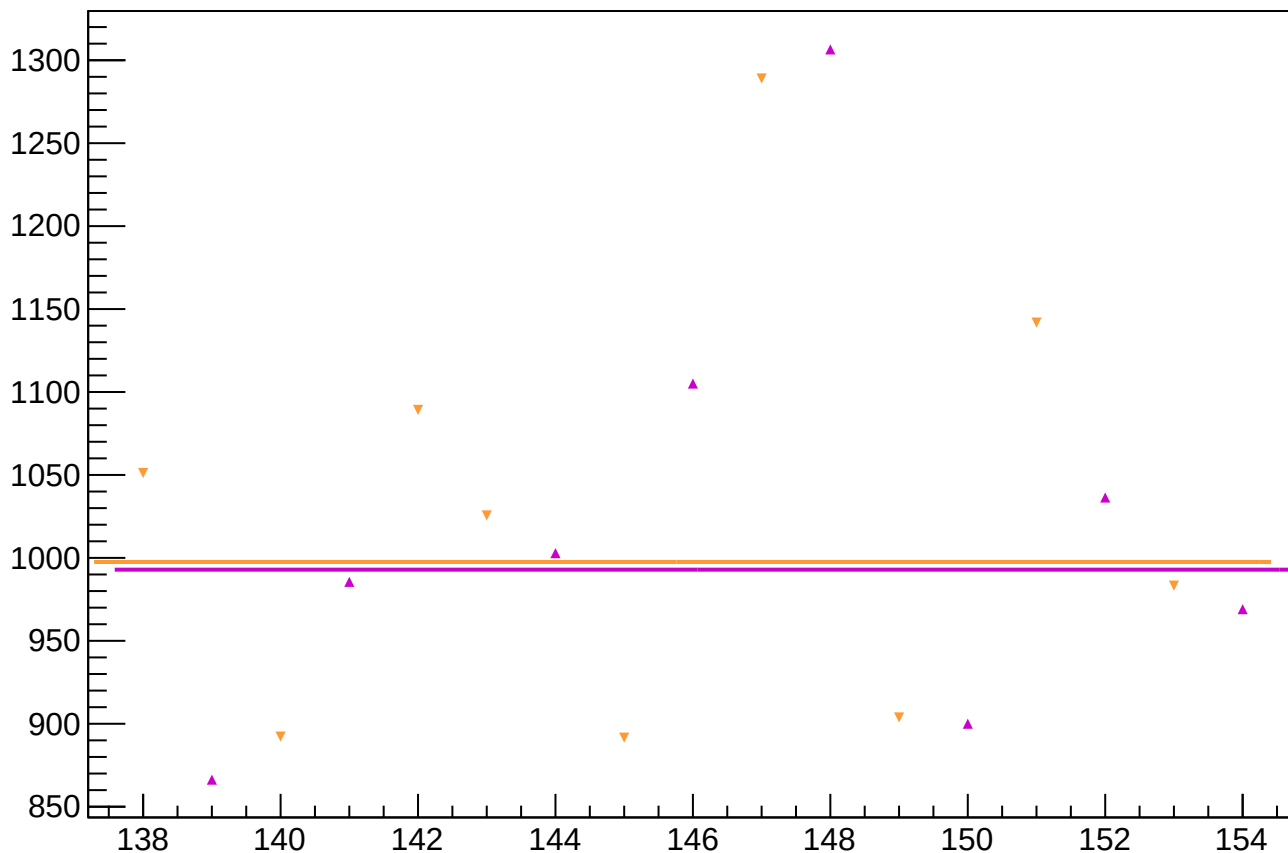
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 658.449+/-389.256 χ^2/NDF :16.5/7

Out: -626.779+/-394.223 χ^2/NDF :4.7/8

All: 23.983+/-276.985 χ^2/NDF : 26.6/16

asym_sam5_correction_rms vs Slug, Sign Corrected



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

Left Out: 997.532+/-0.279 χ^2/NDF :174621.1/8

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

Left In: 992.903+/-0.275 χ^2/NDF :163217.9/7

Left: 995.188+/-0.196 χ^2/NDF : 337978.6/16

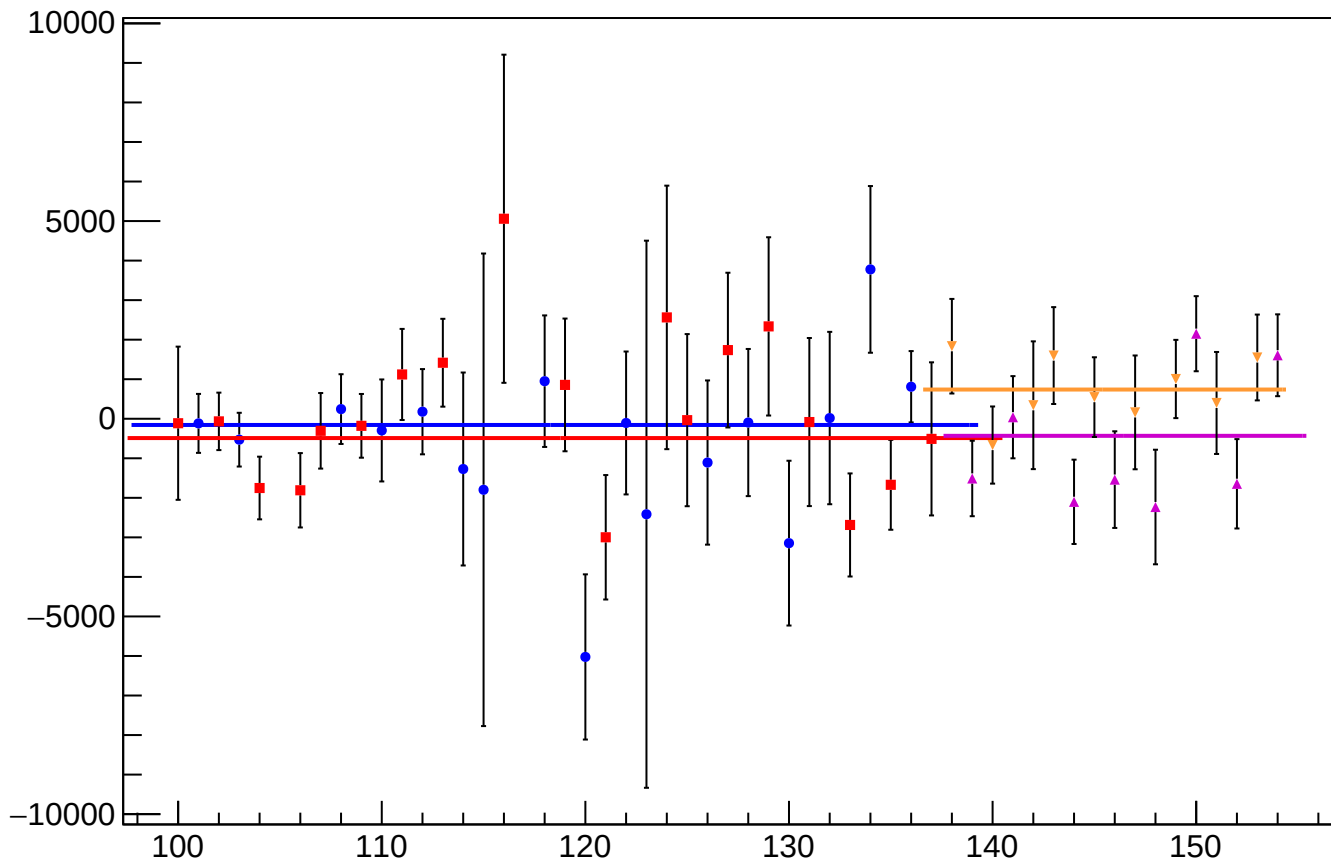
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 992.903+/-0.275 χ^2/NDF :163217.9/7

Out: 997.532+/-0.279 χ^2/NDF :174621.1/8

All: 995.188+/-0.196 χ^2/NDF : 337978.6/16

asym_sam5_mean vs Slug, Sign Corrected



Right In: -157.178+/-312.499 χ^2/NDF : 16.2/16

Left Out: 738.824+/-385.280 χ^2/NDF : 4.4/8

Right Out: -488.583+/-282.758 χ^2/NDF : 22.6/18

Left In: -431.820+/-381.407 χ^2/NDF : 18.7/7

Left: 147.588+/-271.055 χ^2/NDF : 27.7/16

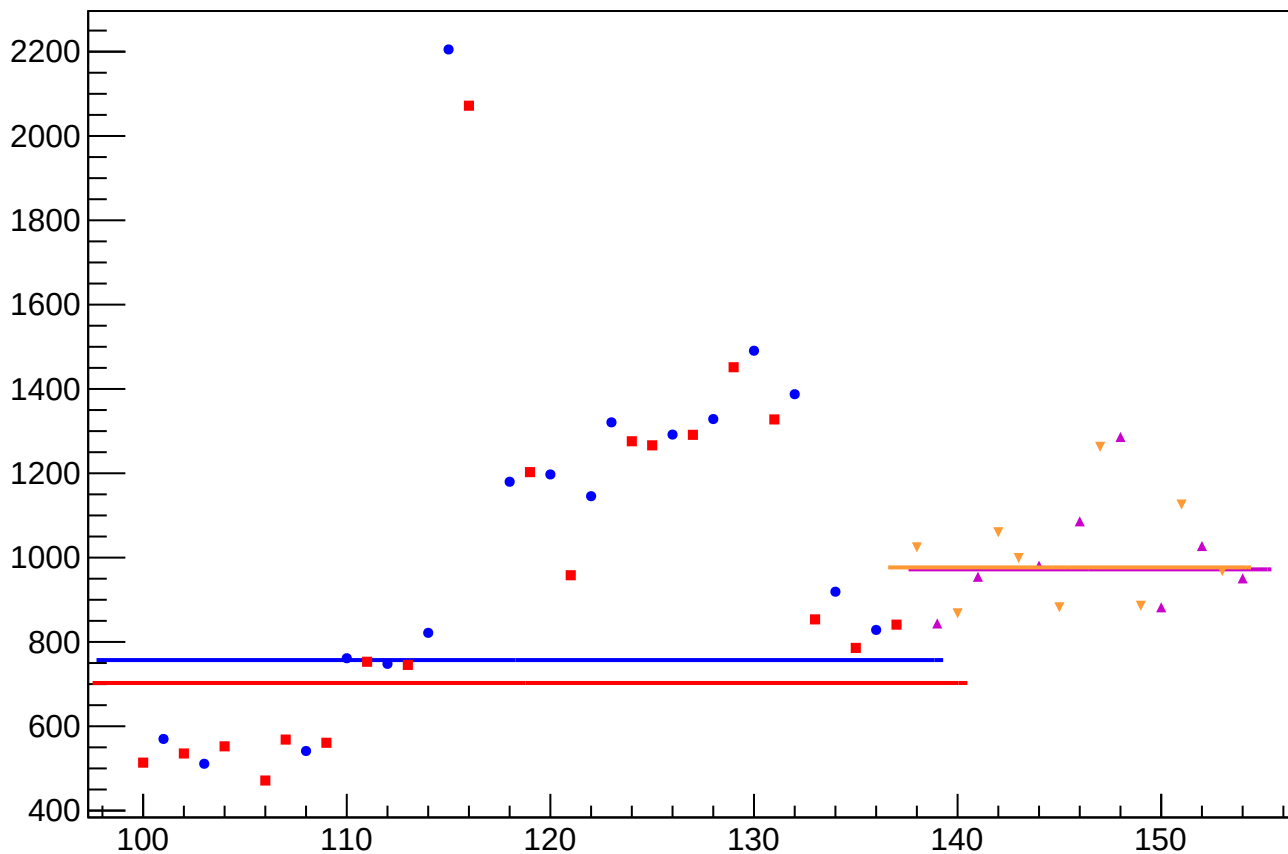
Right: -339.397+/-209.669 χ^2/NDF : 39.5/35

In: -267.492+/-241.725 χ^2/NDF : 35.3/24

Out: -58.912+/-227.956 χ^2/NDF : 33.6/27

All: -157.093+/-165.843 χ^2/NDF : 69.3/52

asym_sam5_rms vs Slug, Sign Corrected



Right In: 756.985 $\pm$ 0.221 χ^2 /NDF: 1711285.9/16

Left Out: 976.738 $\pm$ 0.272 χ^2 /NDF:174411.5/8

Right Out: 702.656 $\pm$ 0.200 χ^2 /NDF: 1689579.7/18

Left In: 972.140 $\pm$ 0.270 χ^2 /NDF:171707.3/7

Left: 974.416 $\pm$ 0.192 χ^2 /NDF: 346262.6/16

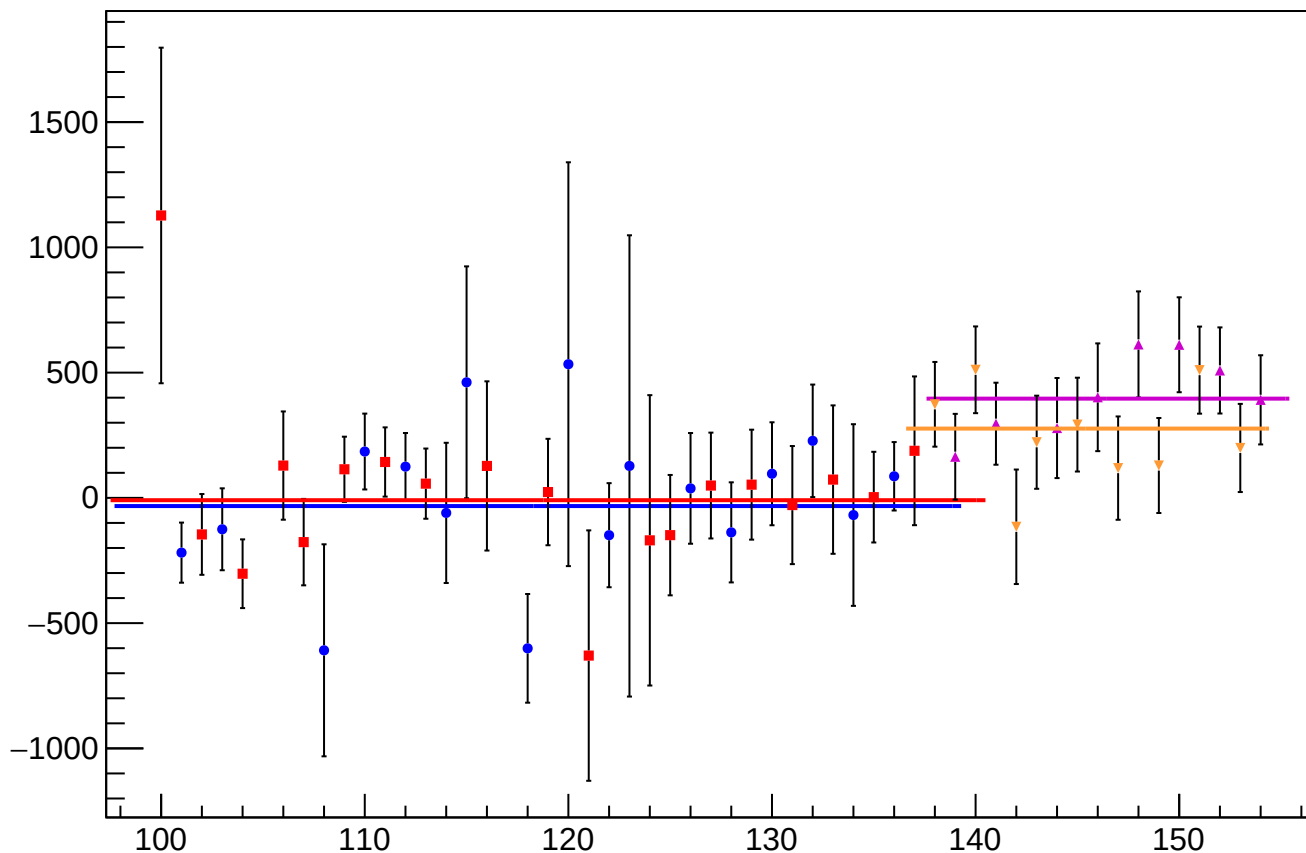
Right: 727.113 $\pm$ 0.148 χ^2 /NDF: 3434103.1/35

In: 843.405 $\pm$ 0.171 χ^2 /NDF:2263794.4/24

Out: 798.602 $\pm$ 0.161 χ^2 /NDF:2521811.3/27

All: 819.691 $\pm$ 0.117 χ^2 /NDF: 4821971.8/52

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -32.694 ± 48.431 χ^2/NDF : 19.7/16

Left Out: 276.634 ± 61.819 χ^2/NDF : 8.4/8

Right Out: -9.277 ± 45.600 χ^2/NDF : 14.7/18

Left In: 396.131 ± 65.412 χ^2/NDF : 5.3/7

Left: 333.010 ± 44.929 χ^2/NDF : 15.5/16

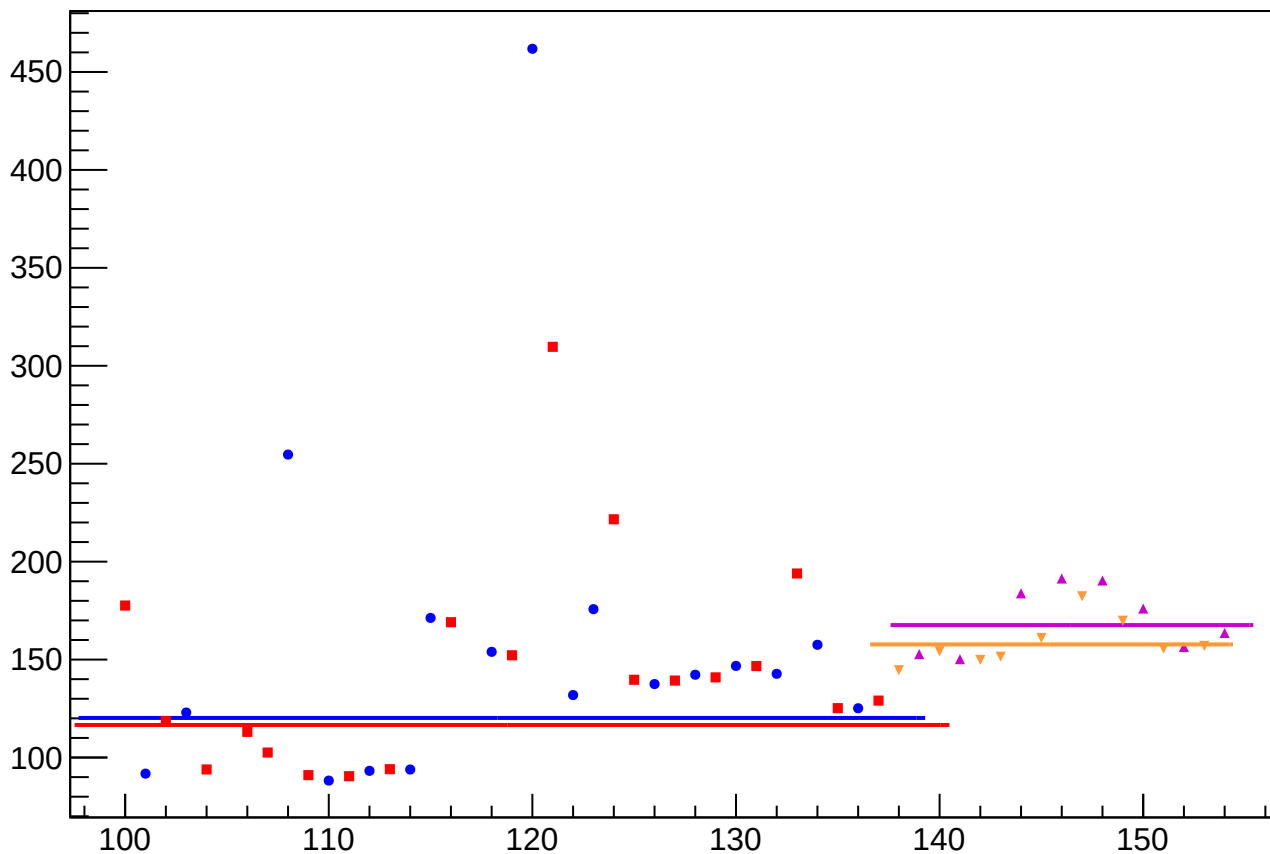
Right: -20.281 ± 33.200 χ^2/NDF : 34.6/35

In: 119.147 ± 38.924 χ^2/NDF : 52.8/24

Out: 91.471 ± 36.696 χ^2/NDF : 36.9/27

All: 104.494 ± 26.701 χ^2/NDF : 90.0/52

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.207 $\pm$ 0.034 χ^2 /NDF: 1062326.6/16

Left Out: 157.749 $\pm$ 0.044 χ^2 /NDF:55189.4/8

Right Out: 116.618 $\pm$ 0.032 χ^2 /NDF: 997956.6/18

Left In: 167.626 $\pm$ 0.046 χ^2 /NDF:111810.8/7

Left: 162.409 $\pm$ 0.032 χ^2 /NDF: 191082.9/16

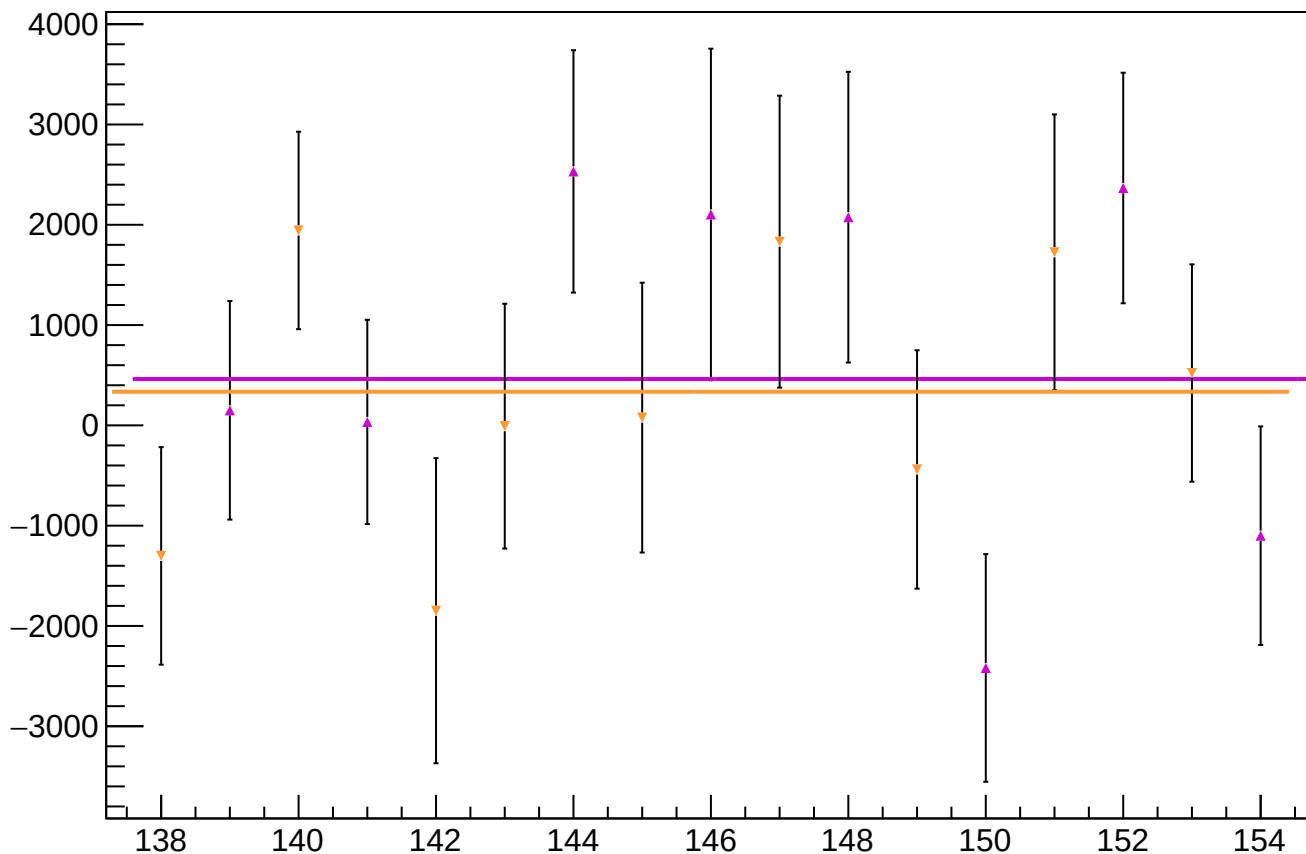
Right: 118.304 $\pm$ 0.023 χ^2 /NDF: 2066104.2/35

In: 136.997 $\pm$ 0.028 χ^2 /NDF:1853015.8/24

Out: 131.112 $\pm$ 0.026 χ^2 /NDF:1626549.4/27

All: 133.881 $\pm$ 0.019 χ^2 /NDF: 3503773.1/52

asym_sam6_correction_mean vs Slug, Sign Corrected



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

Left Out: 335.674+/-404.955 χ^2/NDF :9.7/8

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

Left In: 462.081+/-418.560 χ^2/NDF :16.7/7

Left: 396.790+/-291.037 χ^2/NDF : 26.4/16

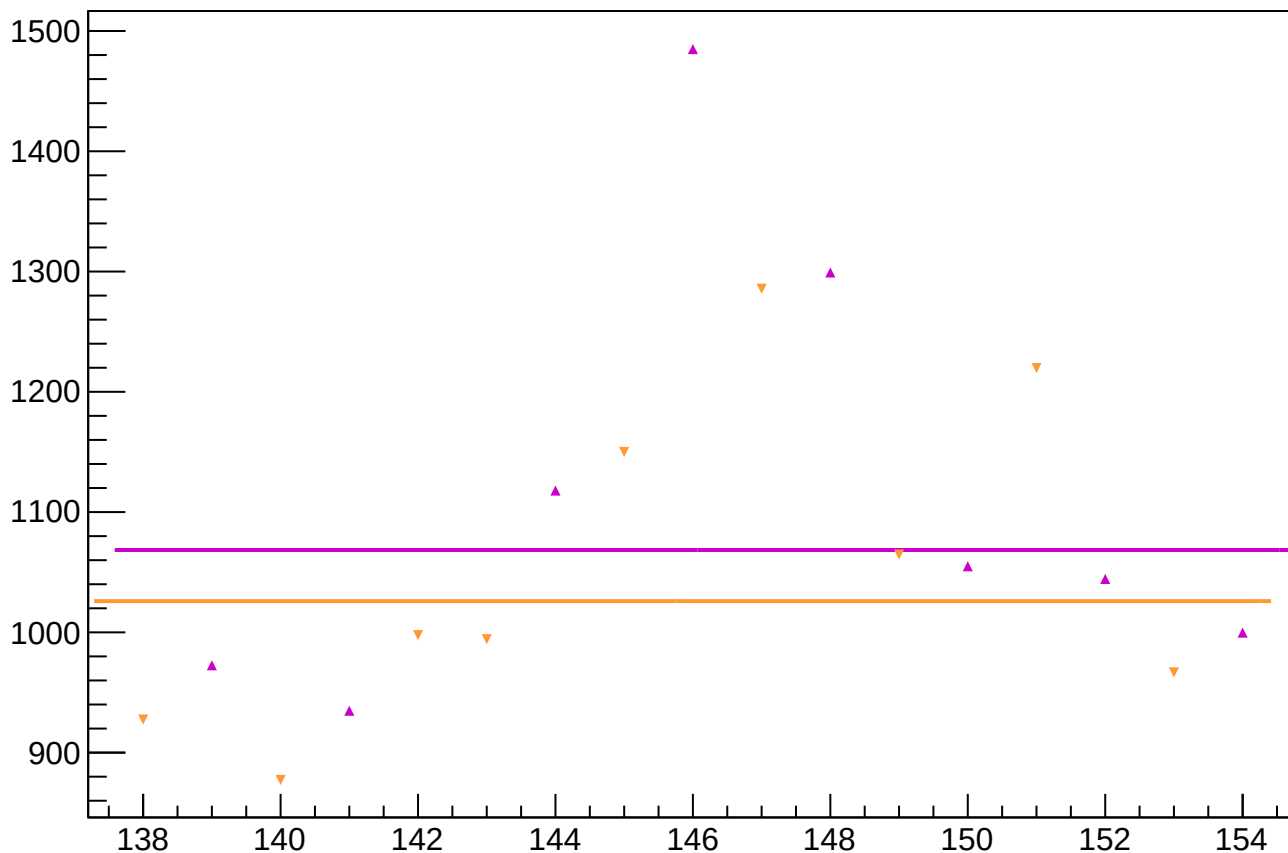
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 462.081+/-418.560 χ^2/NDF :16.7/7

Out: 335.674+/-404.955 χ^2/NDF :9.7/8

All: 396.790+/-291.037 χ^2/NDF : 26.4/16

asym_sam6_correction_rms vs Slug, Sign Corrected



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

Left Out: 1025.966+/-0.286 χ^2/NDF :192630.2/8

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

Left In: 1068.466+/-0.296 χ^2/NDF :240019.6/7

Left: 1046.514+/-0.206 χ^2/NDF : 443300.4/16

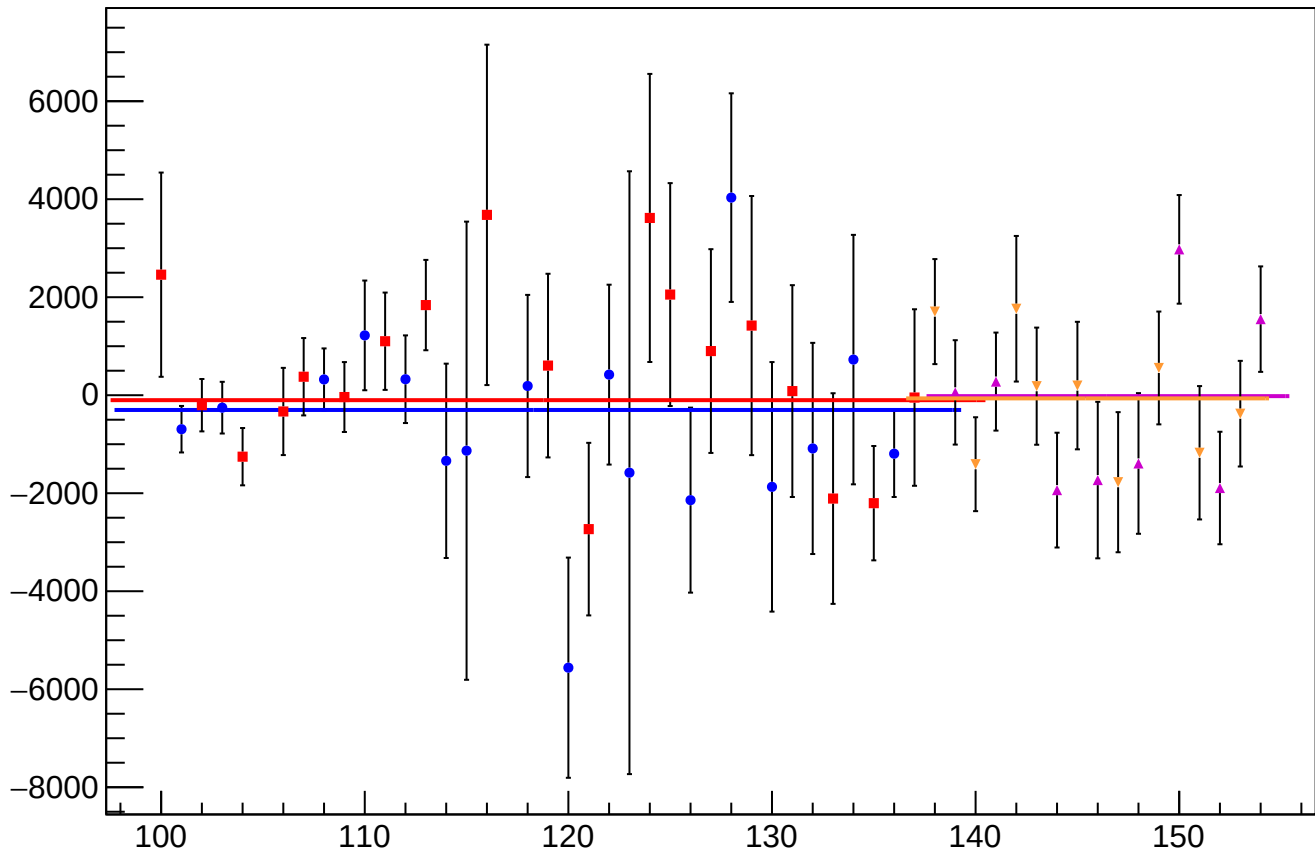
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1068.466+/-0.296 χ^2/NDF :240019.6/7

Out: 1025.966+/-0.286 χ^2/NDF :192630.2/8

All: 1046.514+/-0.206 χ^2/NDF : 443300.4/16

asym_sam6_mean vs Slug, Sign Corrected



Right In: -301.000 ± 250.042 χ^2/NDF : 16.8/16

Left Out: -64.645 ± 396.913 χ^2/NDF : 8.8/8

Right Out: -100.857 ± 245.981 χ^2/NDF : 22.5/18

Left In: -18.677 ± 410.865 χ^2/NDF : 16.9/7

Left: -42.455 ± 285.465 χ^2/NDF : 25.7/16

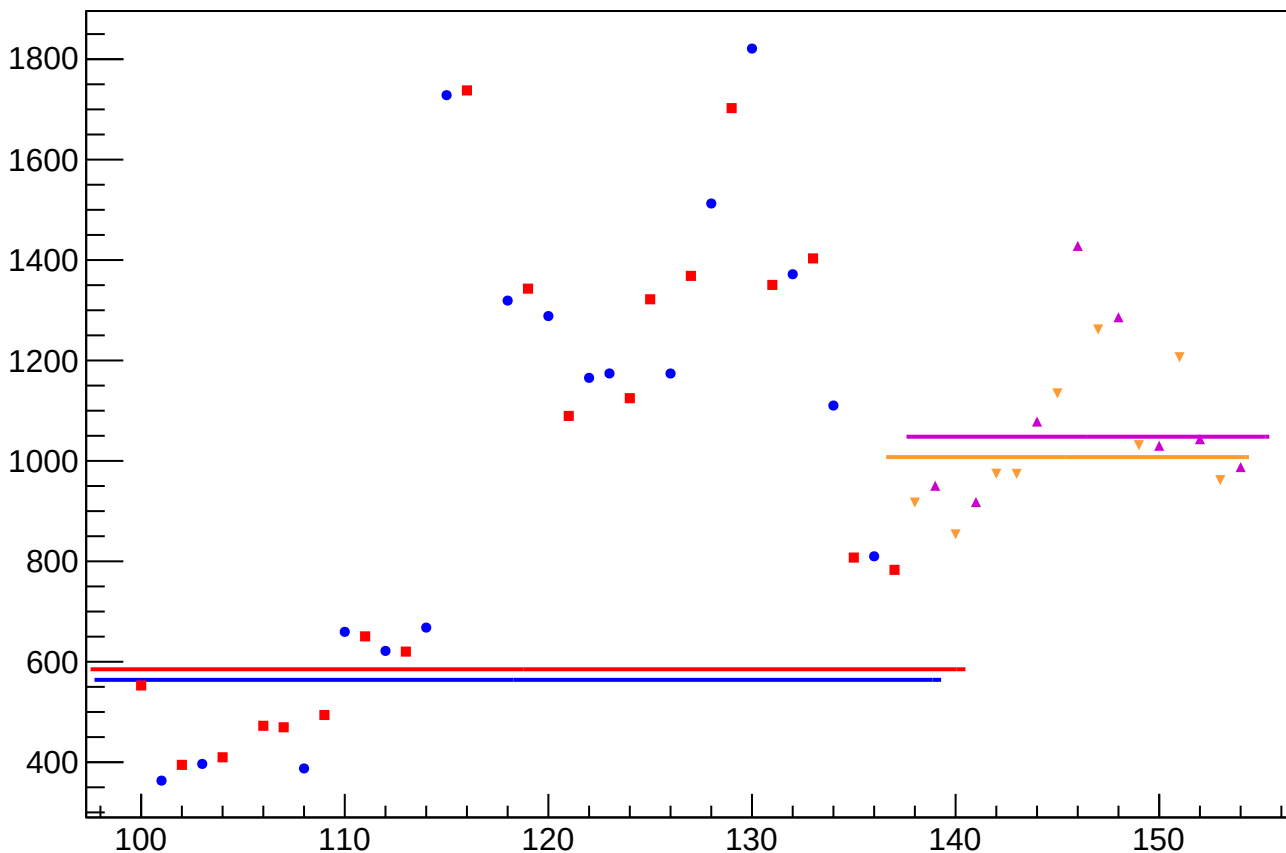
Right: -199.290 ± 175.353 χ^2/NDF : 39.7/35

In: -224.698 ± 213.597 χ^2/NDF : 34.1/24

Out: -90.809 ± 209.085 χ^2/NDF : 31.3/27

All: -156.324 ± 149.415 χ^2/NDF : 65.6/52

asym_sam6_rms vs Slug, Sign Corrected



Right In: 564.003 $\pm$ 0.177 χ^2 /NDF: 3261491.3/16

Left Out: 1007.595 $\pm$ 0.281 χ^2 /NDF:197776.5/8

Right Out: 585.070 $\pm$ 0.174 χ^2 /NDF: 2820837.8/18

Left In: 1048.172 $\pm$ 0.291 χ^2 /NDF:227023.1/7

Left: 1027.183 $\pm$ 0.202 χ^2 /NDF: 434889.9/16

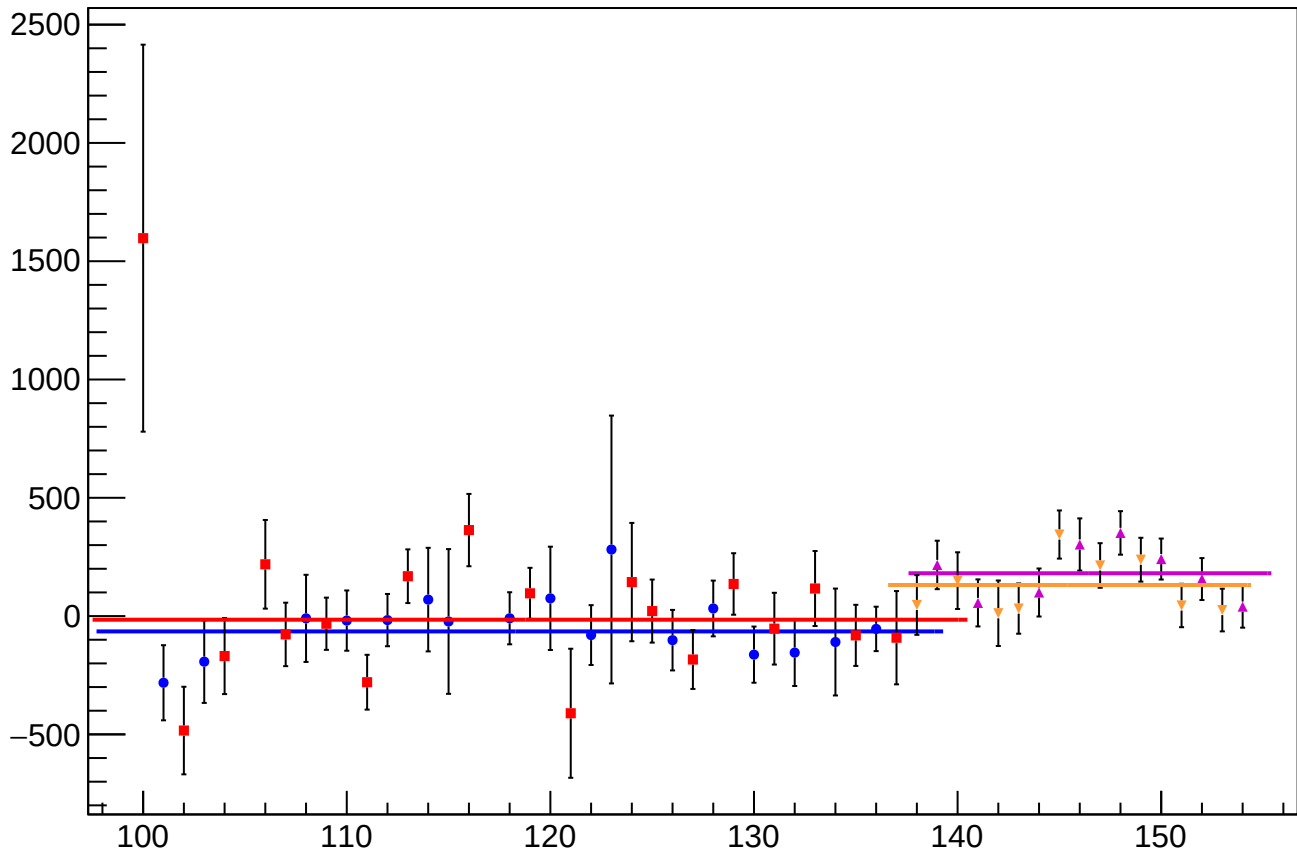
Right: 574.709 $\pm$ 0.124 χ^2 /NDF: 6089543.5/35

In: 694.858 $\pm$ 0.151 χ^2 /NDF:5515209.9/24

Out: 702.318 $\pm$ 0.148 χ^2 /NDF:4656137.4/27

All: 698.668 $\pm$ 0.106 χ^2 /NDF: 10172593.2/52

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -64.797 ± 34.629 χ^2/NDF : 6.2/16

Left Out: 131.379 ± 34.497 χ^2/NDF : 10.9/8

Right Out: -15.294 ± 33.422 χ^2/NDF : 35.0/18

Left In: 181.029 ± 33.692 χ^2/NDF : 10.1/7

Left: 156.789 ± 24.103 χ^2/NDF : 22.0/16

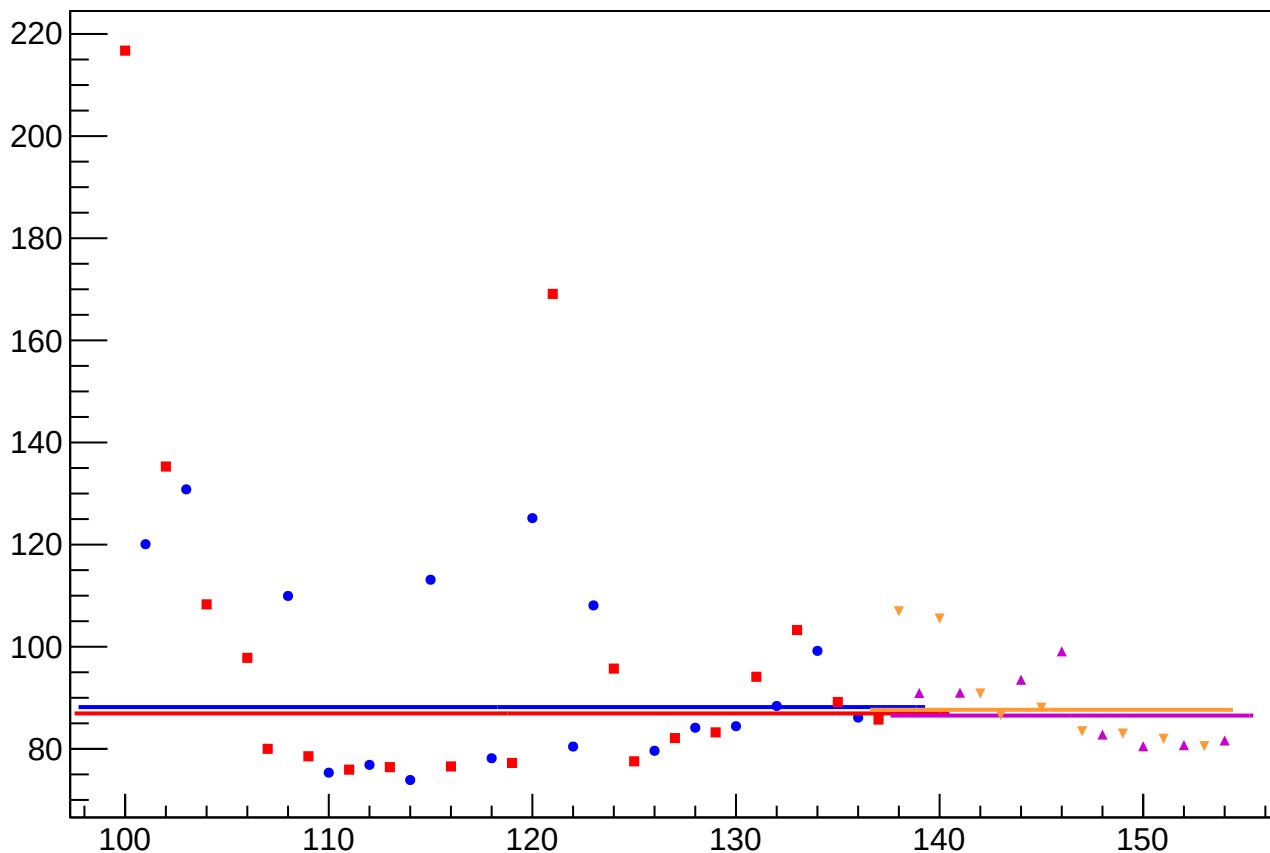
Right: -39.167 ± 24.048 χ^2/NDF : 42.2/35

In: 61.486 ± 24.149 χ^2/NDF : 42.1/24

Out: 55.722 ± 24.004 χ^2/NDF : 55.2/27

All: 58.587 ± 17.024 χ^2/NDF : 97.3/52

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 88.186 $\pm$ 0.024 χ^2/NDF : 394447.7/16

Left Out: 87.658 $\pm$ 0.024 χ^2/NDF : 121575.0/8

Right Out: 86.943 $\pm$ 0.024 χ^2/NDF : 531359.9/18

Left In: 86.522 $\pm$ 0.024 χ^2/NDF : 70731.9/7

Left: 87.077 $\pm$ 0.017 χ^2/NDF : 193416.3/16

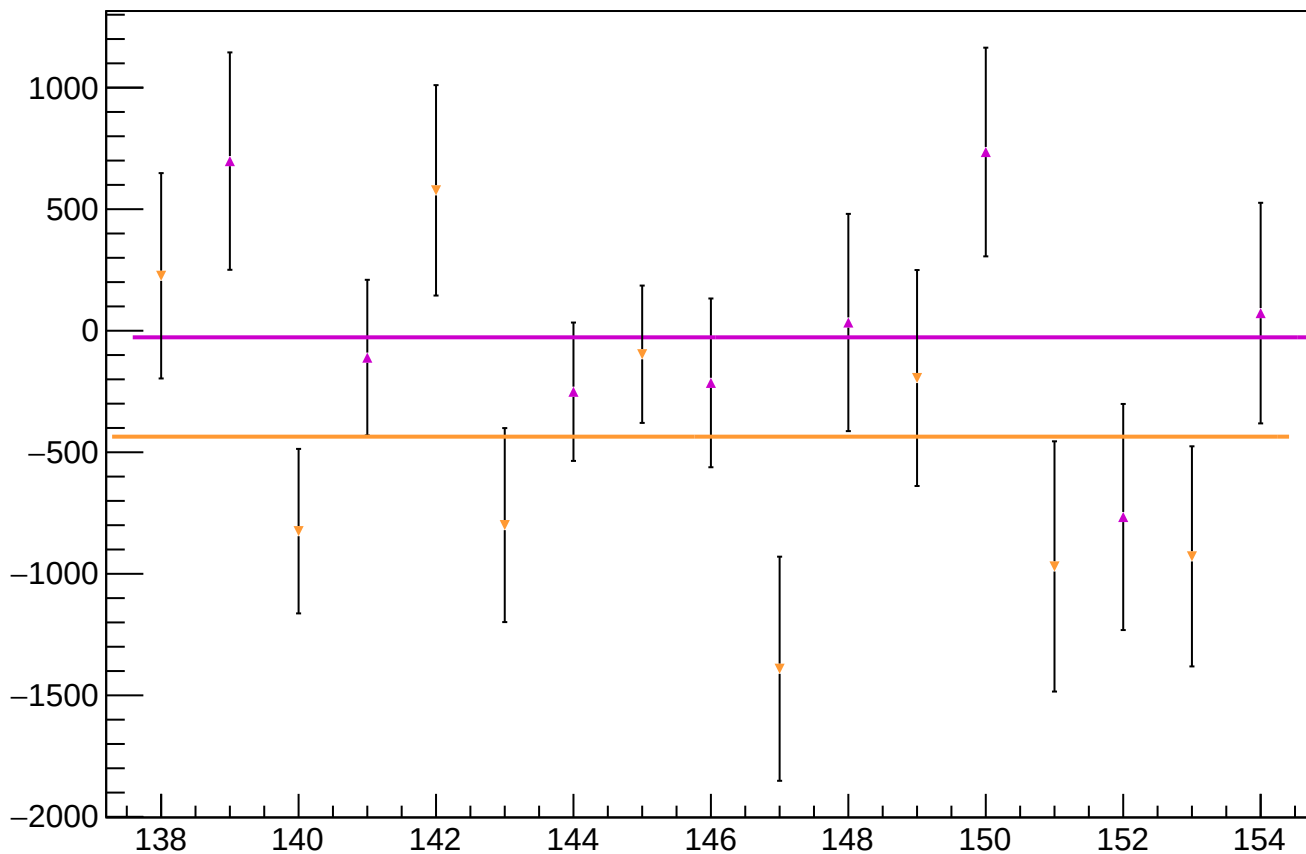
Right: 87.542 $\pm$ 0.017 χ^2/NDF : 927142.1/35

In: 87.331 $\pm$ 0.017 χ^2/NDF : 467551.4/24

Out: 87.289 $\pm$ 0.017 χ^2/NDF : 653378.2/27

All: 87.310 $\pm$ 0.012 χ^2/NDF : 1120932.6/52

asym_sam7_correction_mean vs Slug, Sign Corrected



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

Left Out: -435.754+/-132.557 χ^2/NDF :18.4/8

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

Left In: -27.102+/-134.453 χ^2/NDF :9.4/7

Left: -234.330+/-94.395 χ^2/NDF : 32.4/16

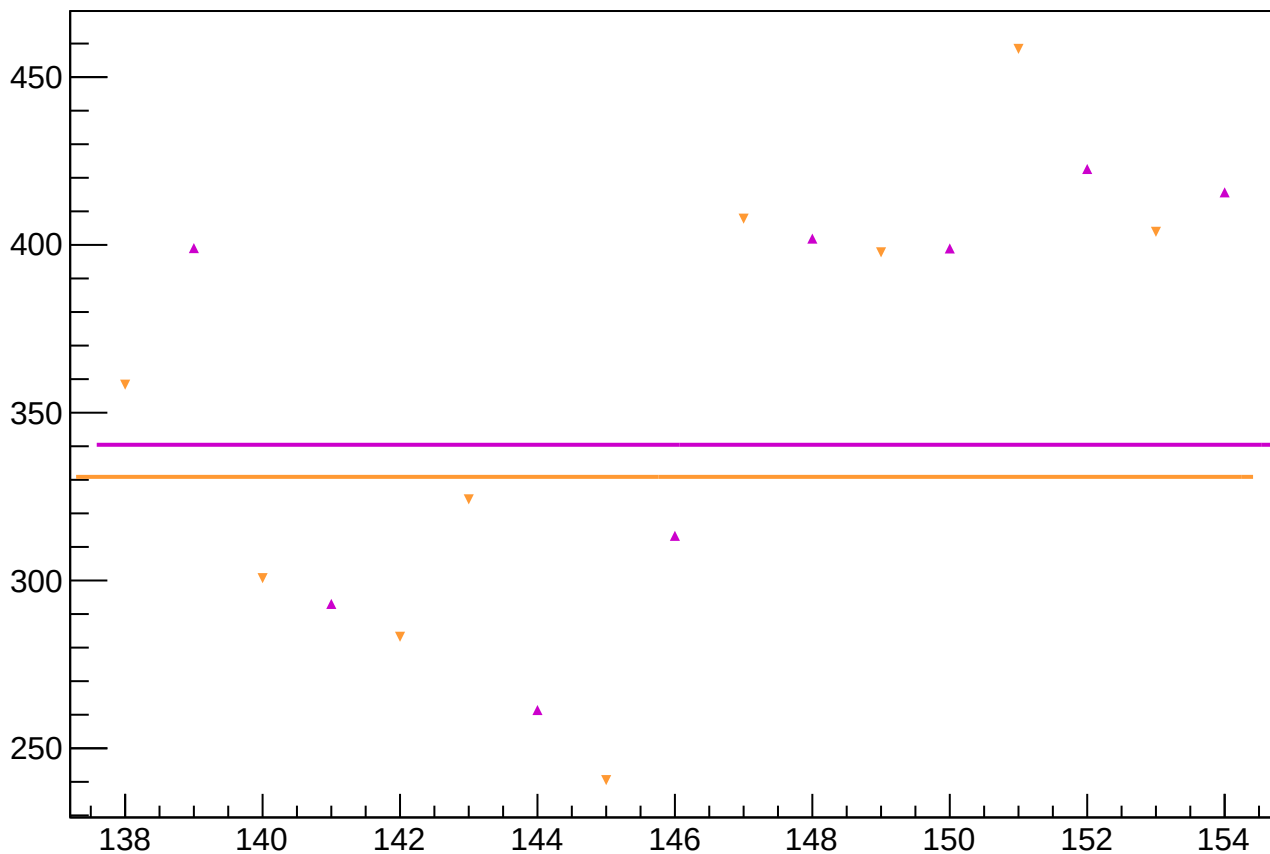
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -27.102+/-134.453 χ^2/NDF :9.4/7

Out: -435.754+/-132.557 χ^2/NDF :18.4/8

All: -234.330+/-94.395 χ^2/NDF : 32.4/16

asym_sam7_correction_rms vs Slug, Sign Corrected



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

Left Out: 330.882+/-0.094 χ^2/NDF :529681.4/8

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

Left In: 340.443+/-0.095 χ^2/NDF :437082.8/7

Left: 335.595+/-0.067 χ^2/NDF : 971893.2/16

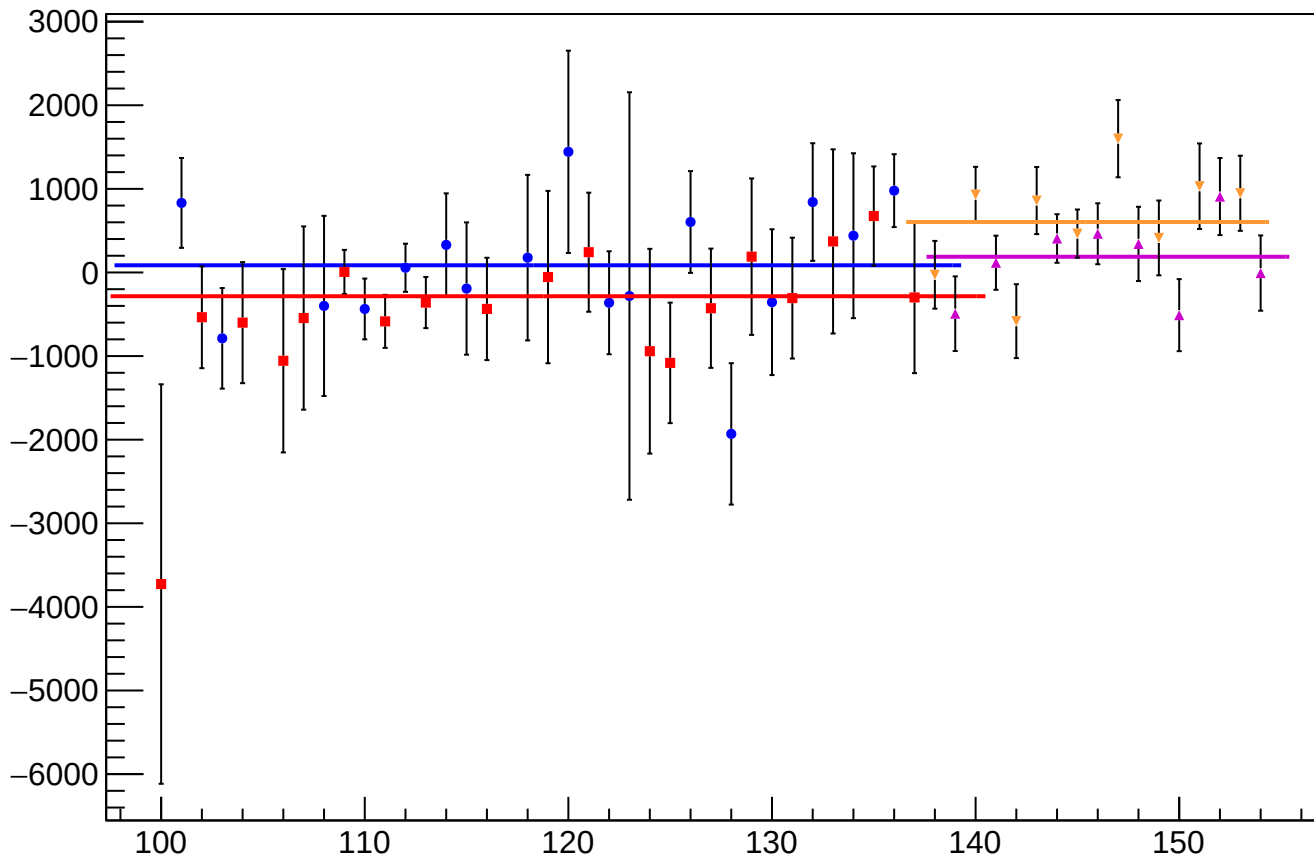
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 340.443+/-0.095 χ^2/NDF :437082.8/7

Out: 330.882+/-0.094 χ^2/NDF :529681.4/8

All: 335.595+/-0.067 χ^2/NDF : 971893.2/16

asym_sam7_mean vs Slug, Sign Corrected



Right In: 85.810+/-142.601 χ^2/NDF : 20.6/16

Left Out: 603.791+/-132.514 χ^2/NDF : 17.4/8

Right Out: -284.456+/-129.599 χ^2/NDF : 10.6/18

Left In: 187.832+/-136.046 χ^2/NDF : 8.9/7

Left: 401.282+/-94.926 χ^2/NDF : 31.0/16

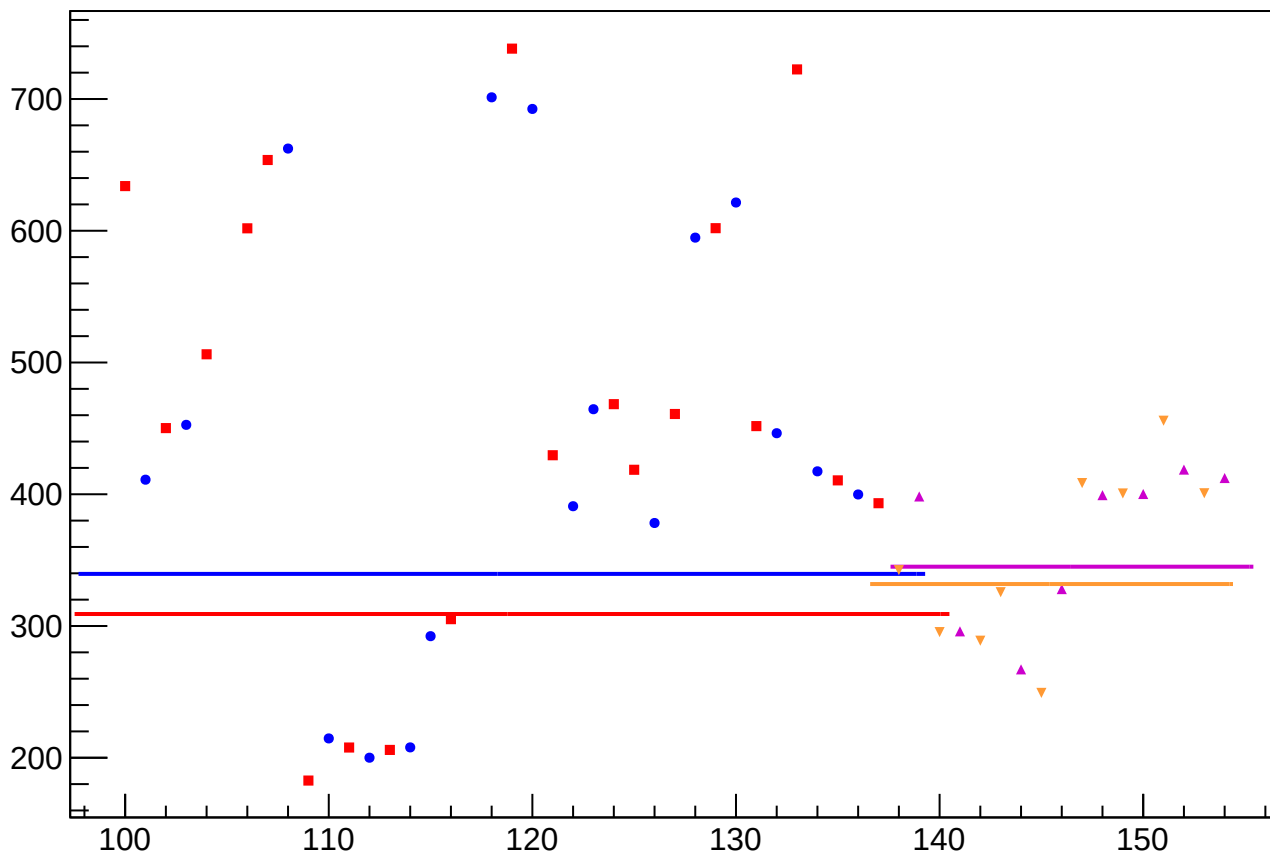
Right: -116.969+/-95.908 χ^2/NDF : 34.9/35

In: 139.220+/-98.435 χ^2/NDF : 29.7/24

Out: 149.792+/-92.654 χ^2/NDF : 50.9/27

All: 144.825+/-67.467 χ^2/NDF : 80.6/52

asym_sam7_rms vs Slug, Sign Corrected



Right In: 339.553 $\pm$ 0.101 χ^2/NDF : 2042244.1/16

Left Out: 331.852 $\pm$ 0.094 χ^2/NDF : 475808.6/8

Right Out: 309.105 $\pm$ 0.092 χ^2/NDF : 2730308.7/18

Left In: 345.023 $\pm$ 0.096 χ^2/NDF : 381156.0/7

Left: 338.264 $\pm$ 0.067 χ^2/NDF : 866582.9/16

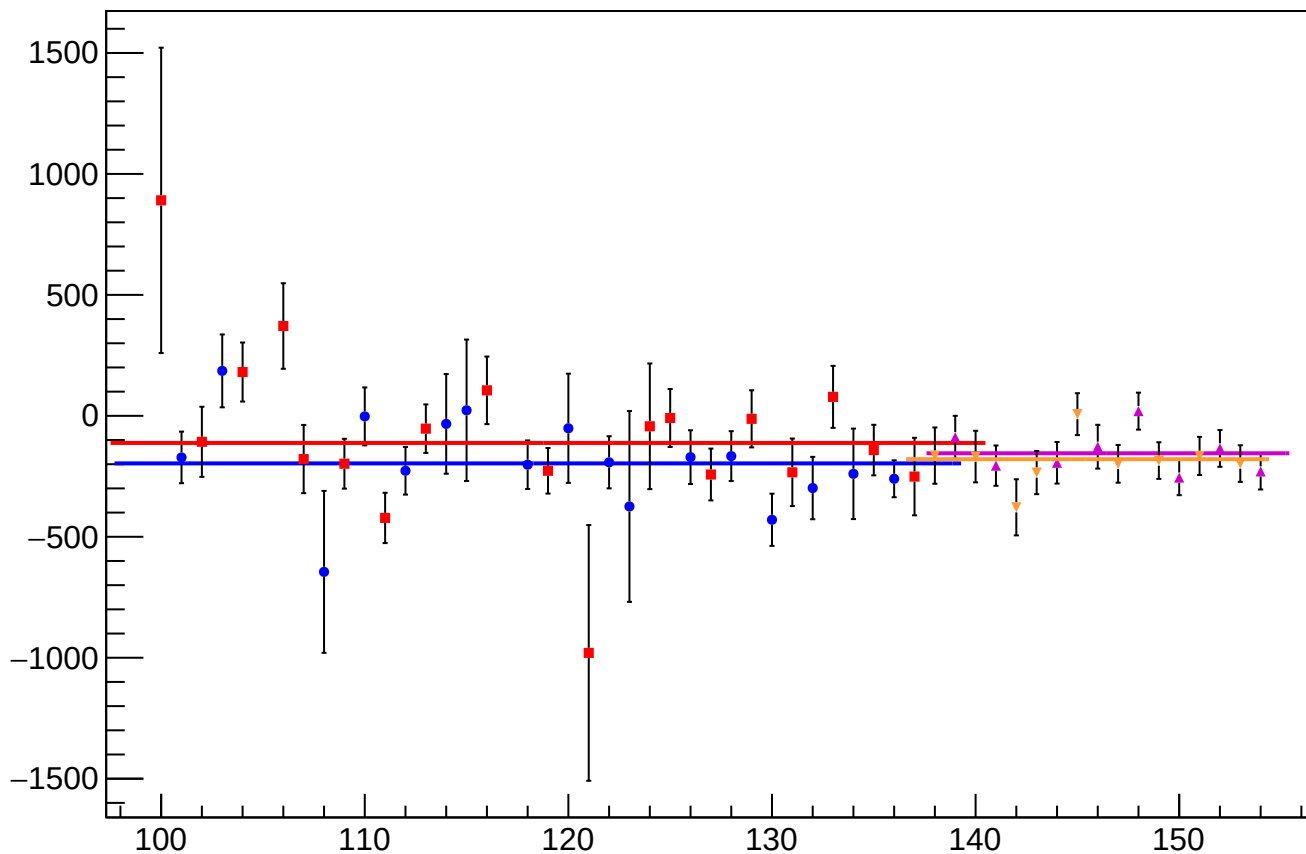
Right: 322.878 $\pm$ 0.068 χ^2/NDF : 4822487.1/35

In: 342.416 $\pm$ 0.070 χ^2/NDF : 2424940.8/24

Out: 320.226 $\pm$ 0.066 χ^2/NDF : 3236240.0/27

All: 330.650 $\pm$ 0.048 χ^2/NDF : 5715073.0/52

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -196.599 ± 30.399 χ^2/NDF : 19.0/16

Left Out: -179.264 ± 29.233 χ^2/NDF : 8.1/8

Right Out: -112.097 ± 29.622 χ^2/NDF : 39.3/18

Left In: -154.791 ± 28.377 χ^2/NDF : 9.4/7

Left: -166.664 ± 20.361 χ^2/NDF : 17.9/16

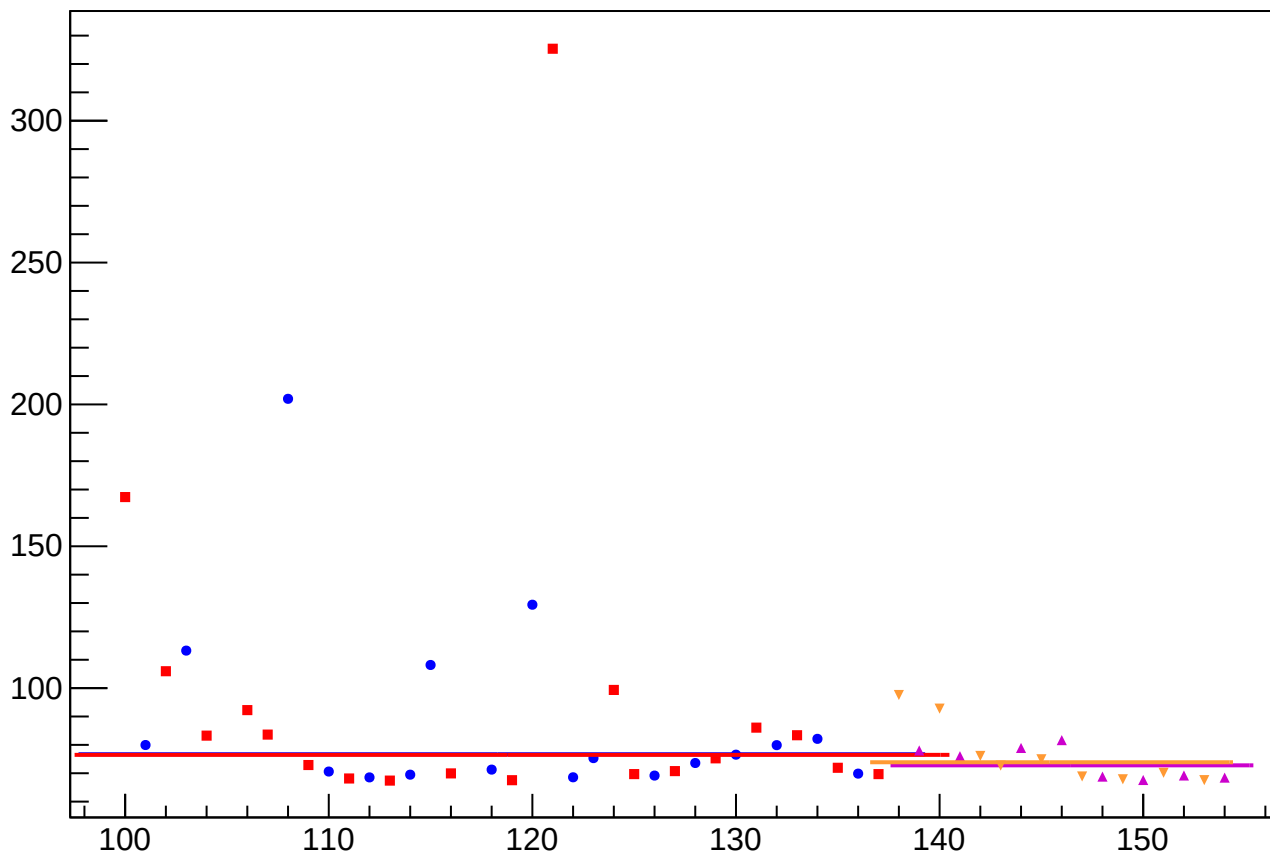
Right: -153.254 ± 21.215 χ^2/NDF : 62.3/35

In: -174.258 ± 20.744 χ^2/NDF : 29.5/24

Out: -146.125 ± 20.807 χ^2/NDF : 50.1/27

All: -160.235 ± 14.690 χ^2/NDF : 80.4/52

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 76.692 $\pm$ 0.021 χ^2 /NDF: 600348.1/16

Left Out: 73.872 $\pm$ 0.021 χ^2 /NDF:186410.1/8

Right Out: 76.479 $\pm$ 0.021 χ^2 /NDF: 699361.8/18

Left In: 72.785 $\pm$ 0.020 χ^2 /NDF:66150.4/7

Left: 73.312 $\pm$ 0.014 χ^2 /NDF: 253984.2/16

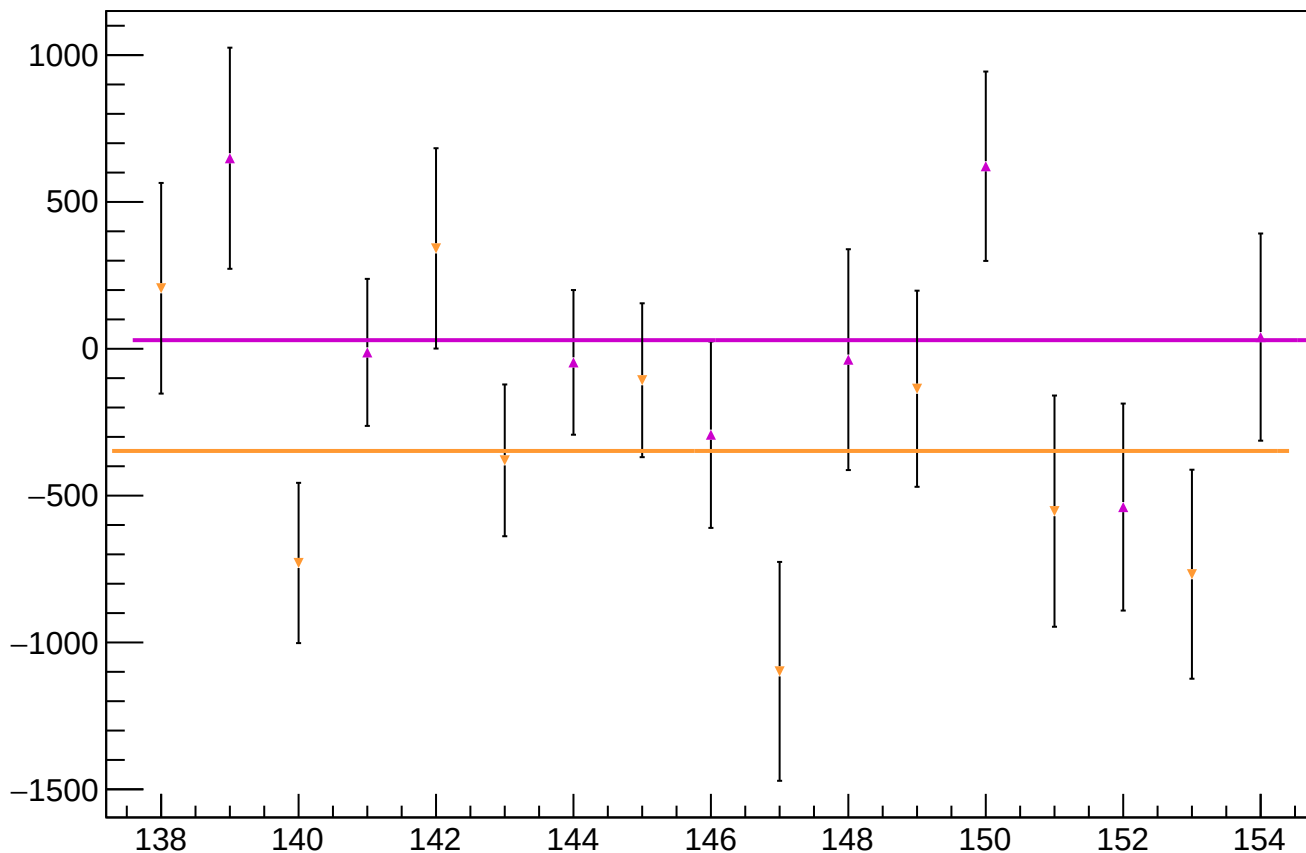
Right: 76.583 $\pm$ 0.015 χ^2 /NDF: 1299760.4/35

In: 74.604 $\pm$ 0.015 χ^2 /NDF:684154.0/24

Out: 75.158 $\pm$ 0.015 χ^2 /NDF:893620.0/27

All: 74.880 $\pm$ 0.010 χ^2 /NDF: 1578484.8/52

asym_sam8_correction_mean vs Slug, Sign Corrected



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

Left Out: -347.892+/-105.490 χ^2/NDF :15.4/8

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

Left In: 29.353+/-110.295 χ^2/NDF :9.9/7

Left: -167.666+/-76.235 χ^2/NDF : 31.4/16

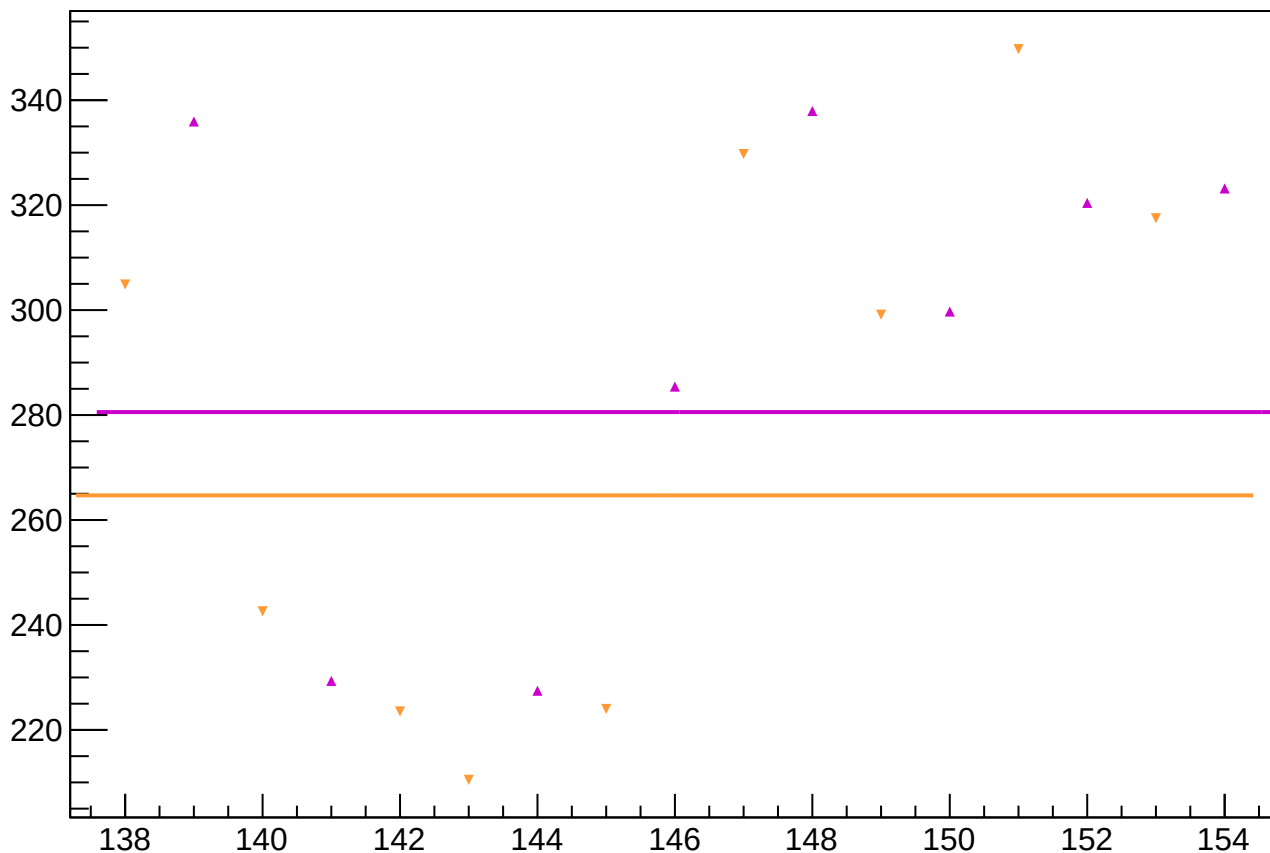
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 29.353+/-110.295 χ^2/NDF :9.9/7

Out: -347.892+/-105.490 χ^2/NDF :15.4/8

All: -167.666+/-76.235 χ^2/NDF : 31.4/16

asym_sam8_correction_rms vs Slug, Sign Corrected



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

Left Out: 264.694+/-0.075 χ^2/NDF : 423170.5/8

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

Left In: 280.566+/-0.078 χ^2/NDF : 328810.8/7

Left: 272.276+/-0.054 χ^2/NDF : 773611.3/16

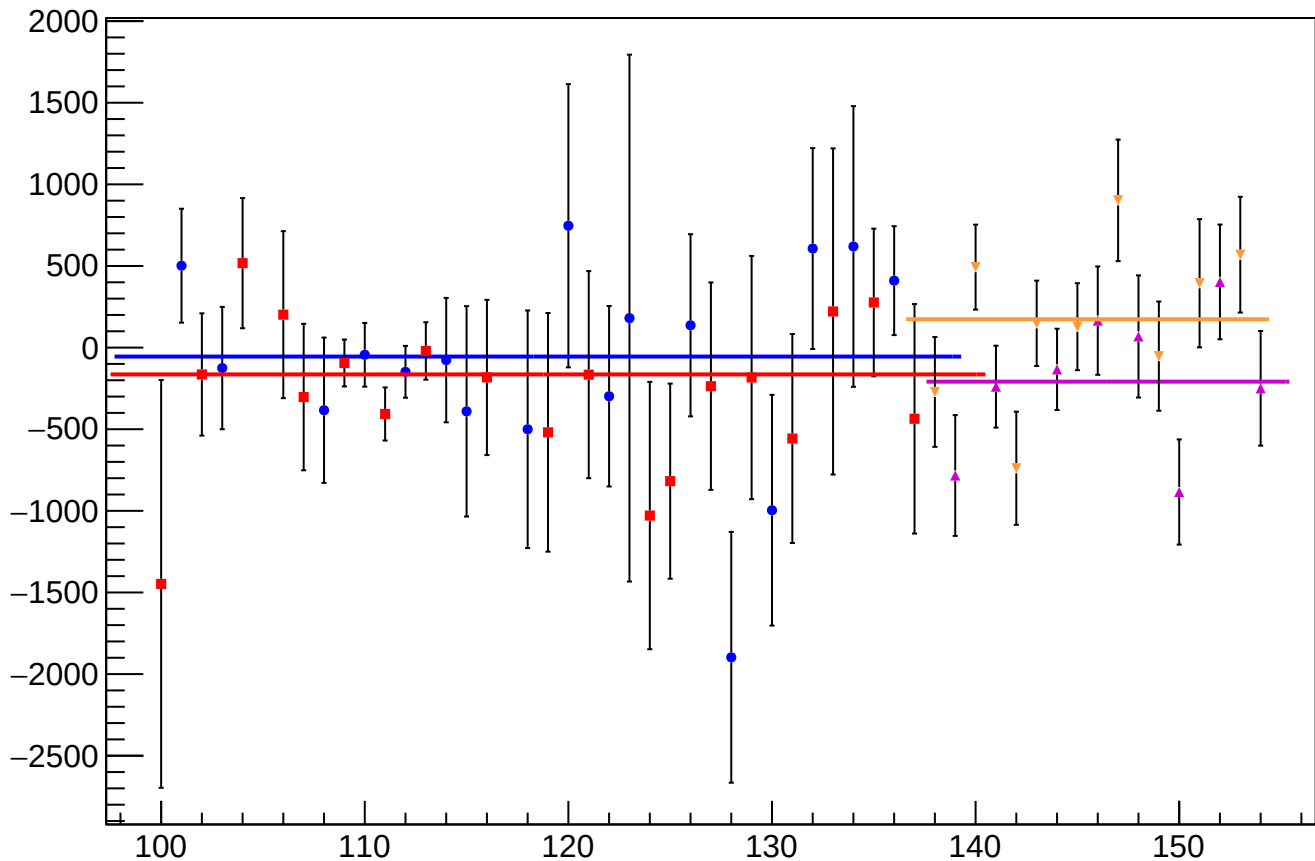
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 280.566+/-0.078 χ^2/NDF : 328810.8/7

Out: 264.694+/-0.075 χ^2/NDF : 423170.5/8

All: 272.276+/-0.054 χ^2/NDF : 773611.3/16

asym_sam8_mean vs Slug, Sign Corrected



Right In: -54.933 ± 90.355 $\chi^2/\text{NDF}: 16.5/16$

Left Out: 173.567 ± 104.671 $\chi^2/\text{NDF}: 16.1/8$

Right Out: -164.141 ± 76.903 $\chi^2/\text{NDF}: 11.9/18$

Left In: -208.592 ± 110.862 $\chi^2/\text{NDF}: 11.8/7$

Left: -6.544 ± 76.108 $\chi^2/\text{NDF}: 34.1/16$

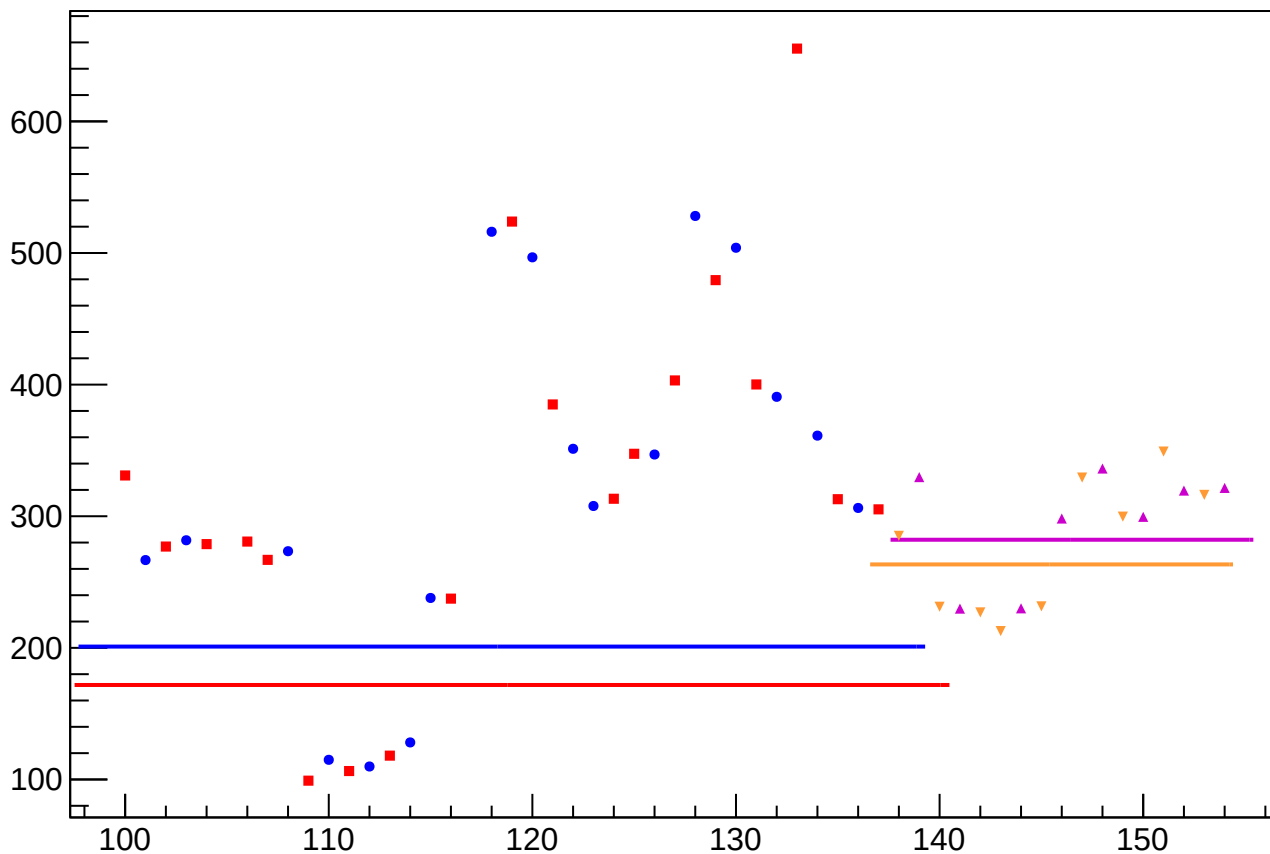
Right: -118.264 ± 58.563 $\chi^2/\text{NDF}: 29.3/35$

In: -116.263 ± 70.039 $\chi^2/\text{NDF}: 29.5/24$

Out: -45.752 ± 61.974 $\chi^2/\text{NDF}: 34.7/27$

All: -76.716 ± 46.413 $\chi^2/\text{NDF}: 64.8/52$

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.971 $\pm$ 0.064 χ^2/NDF : 3436154.0/16

Left Out: 263.391 $\pm$ 0.074 χ^2/NDF :391032.1/8

Right Out: 171.794 $\pm$ 0.054 χ^2/NDF : 4092634.7/18

Left In: 282.140 $\pm$ 0.078 χ^2/NDF :307750.2/7

Left: 272.227 $\pm$ 0.054 χ^2/NDF : 729023.8/16

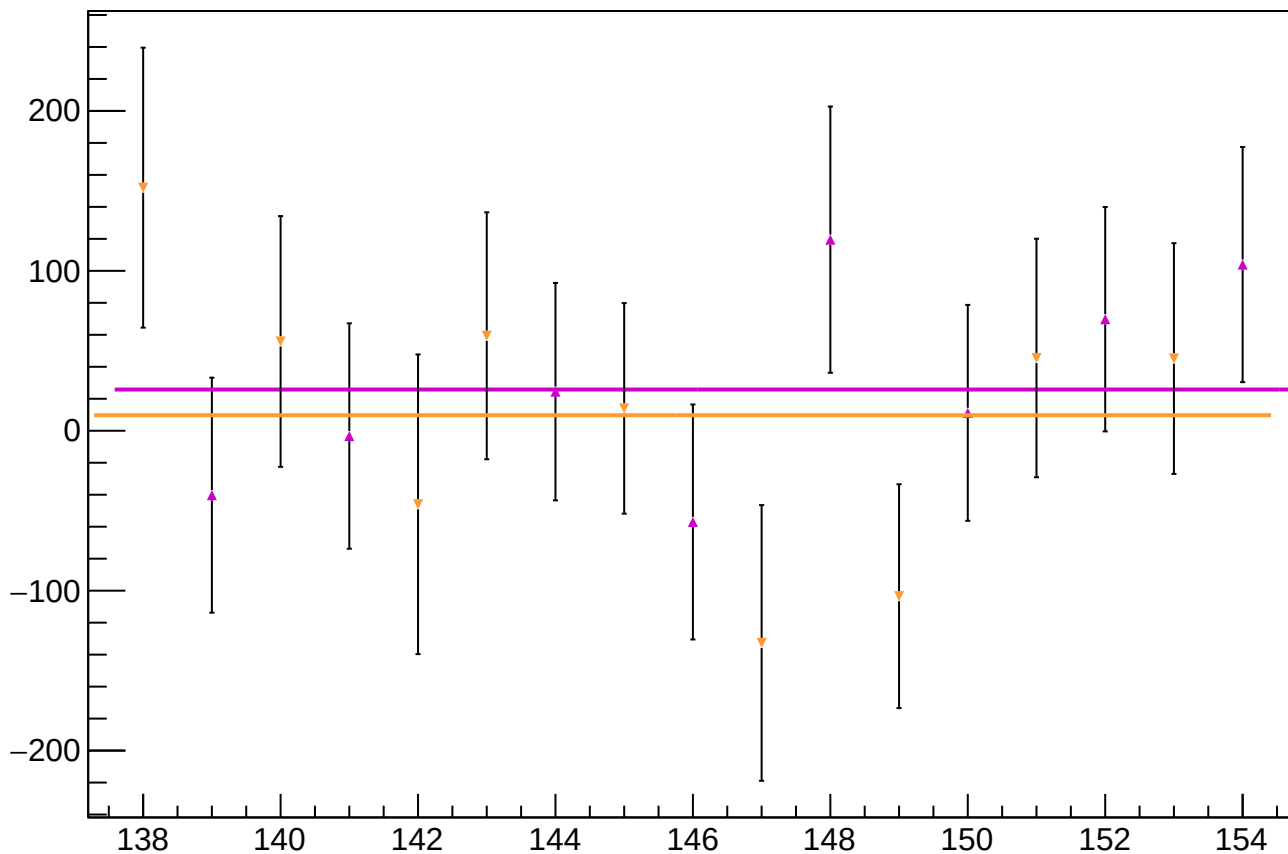
Right: 184.051 $\pm$ 0.041 χ^2/NDF : 7649725.9/35

In: 233.368 $\pm$ 0.050 χ^2/NDF :4388104.5/24

Out: 203.905 $\pm$ 0.044 χ^2/NDF :5478331.4/27

All: 216.843 $\pm$ 0.033 χ^2/NDF : 10064938.1/52

dit_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 9.725 $\pm$ 25.683 χ^2 /NDF:9.6/8

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 25.780 $\pm$ 25.482 χ^2 /NDF:5.1/7

Left: 17.816 $\pm$ 18.089 χ^2 /NDF: 14.9/16

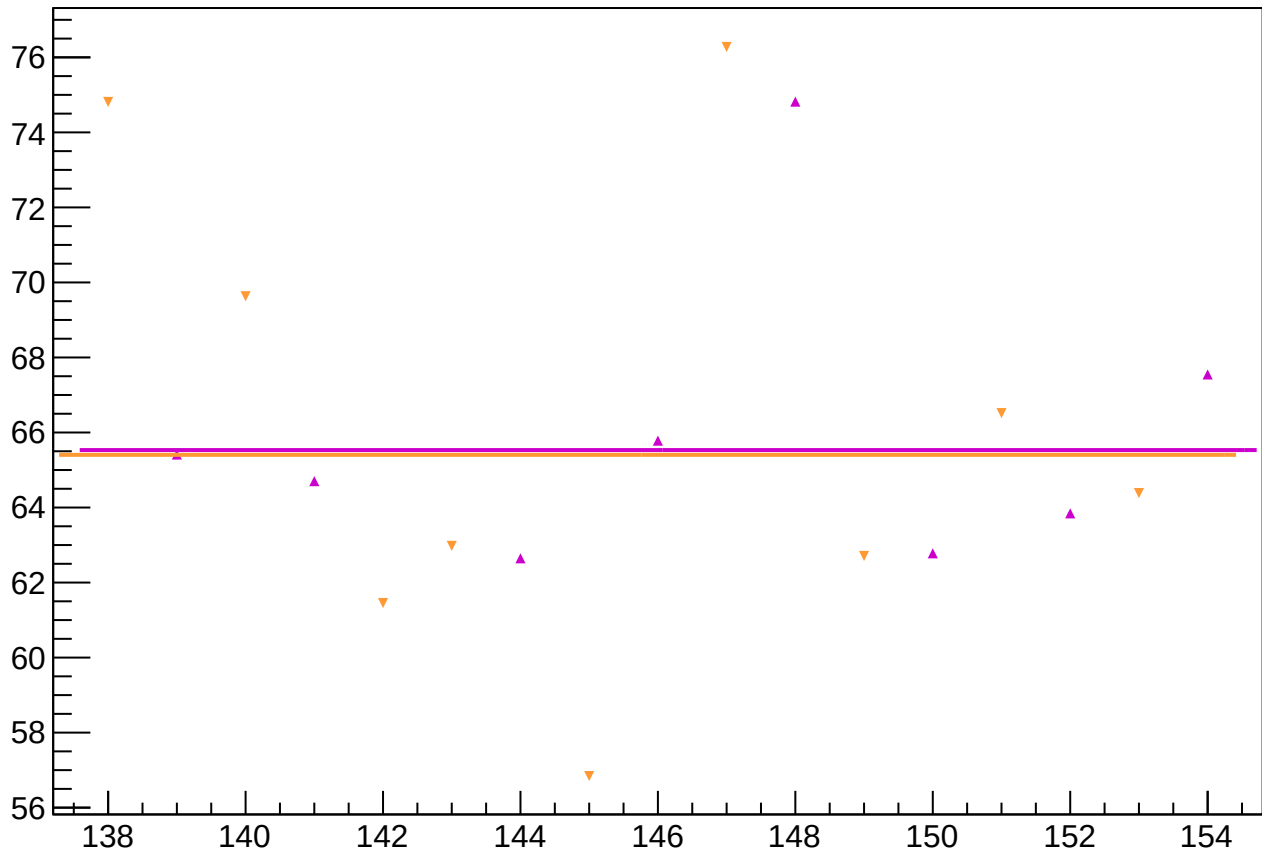
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 25.780 $\pm$ 25.482 χ^2 /NDF:5.1/7

Out: 9.725 $\pm$ 25.683 χ^2 /NDF:9.6/8

All: 17.816 $\pm$ 18.089 χ^2 /NDF: 14.9/16

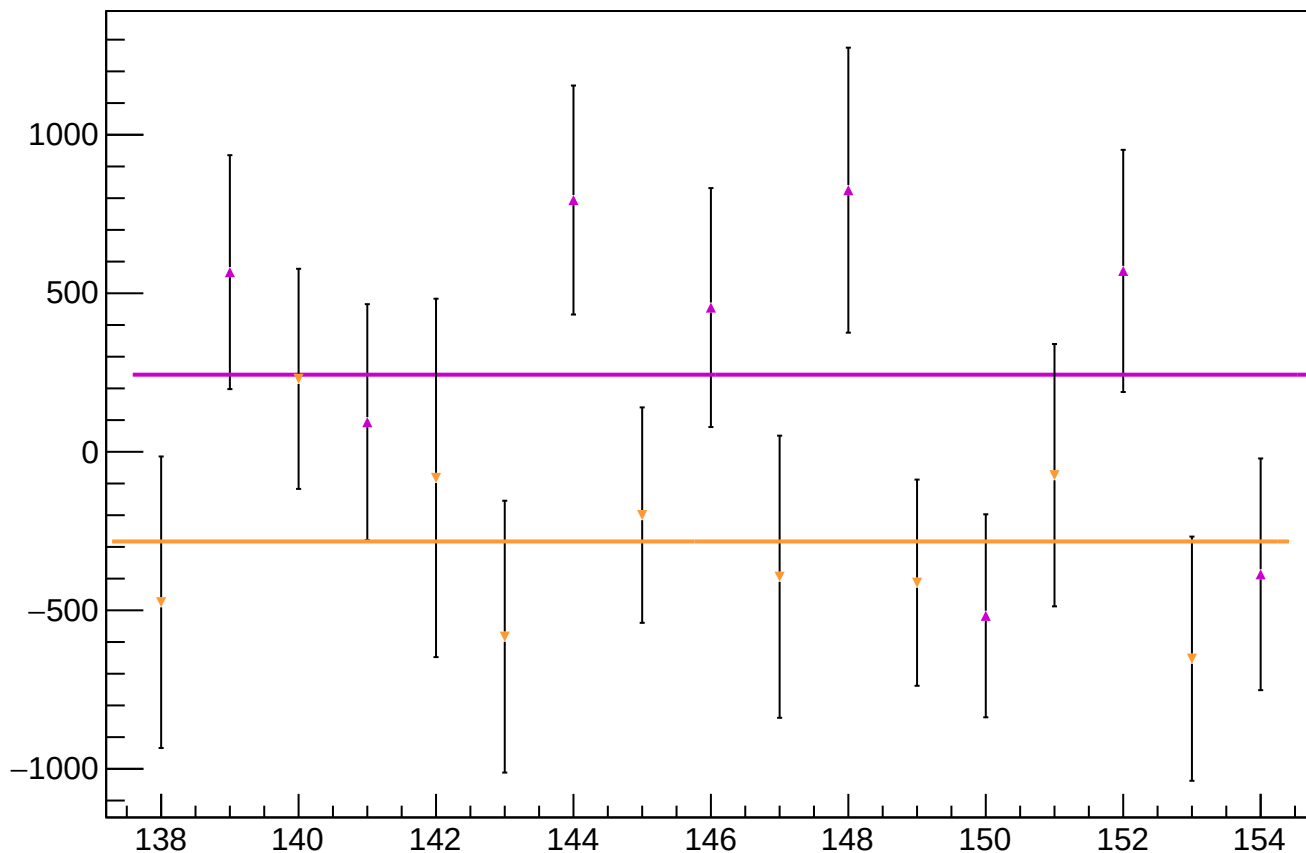
dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 65.404+/-0.018 χ^2/NDF :103886.2/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 65.532+/-0.018 χ^2/NDF :34785.4/7

Left: 65.469+/-0.013 χ^2/NDF : 138696.5/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 65.532+/-0.018 χ^2/NDF :34785.4/7
 Out: 65.404+/-0.018 χ^2/NDF :103886.2/8
 All: 65.469+/-0.013 χ^2/NDF : 138696.5/16

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -282.812+/-132.050 χ^2/NDF : 4.4/8

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

Left In: 243.241+/-130.948 χ^2/NDF : 14.6/7

Left: -17.581+/-92.981 χ^2/NDF : 27.0/16

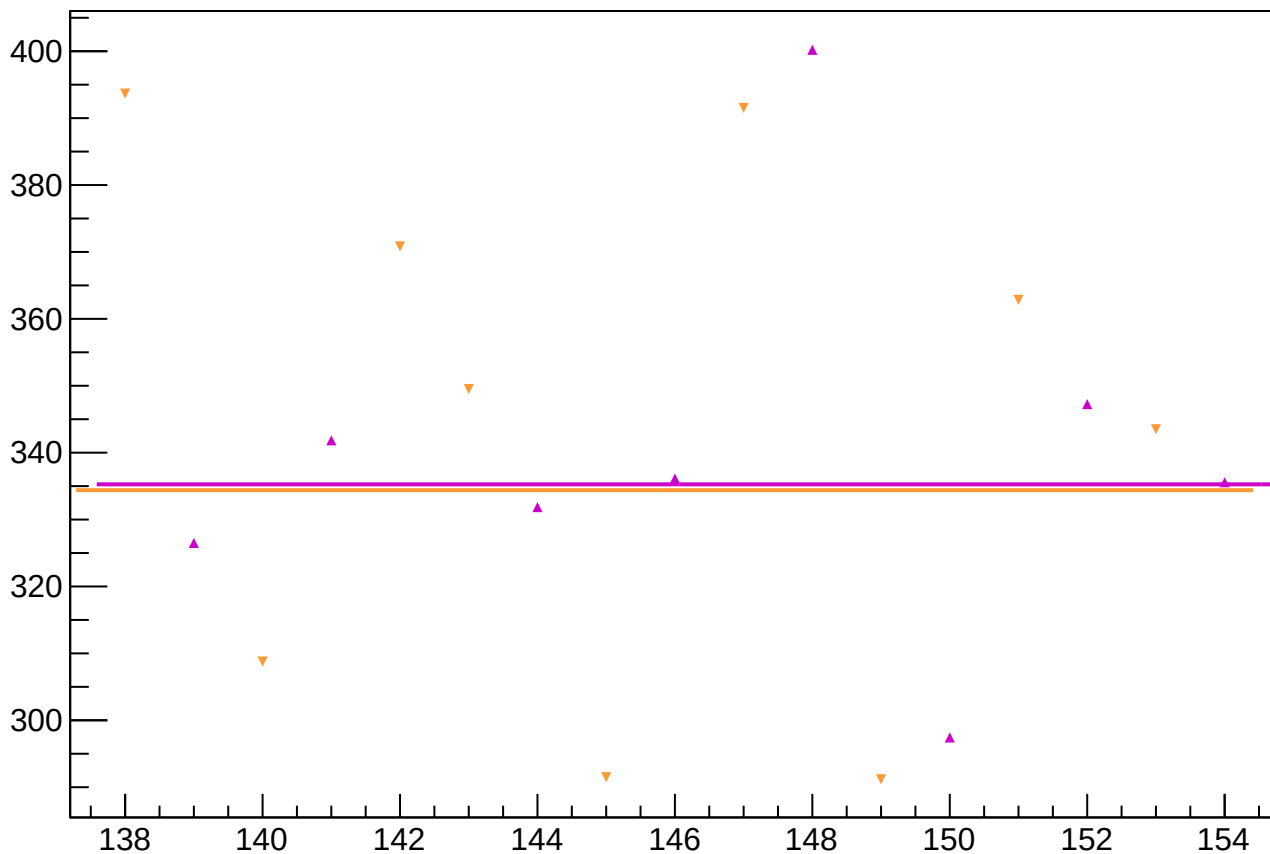
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 243.241+/-130.948 χ^2/NDF : 14.6/7

Out: -282.812+/-132.050 χ^2/NDF : 4.4/8

All: -17.581+/-92.981 χ^2/NDF : 27.0/16

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 334.397+/-0.093 χ^2/NDF :165637.3/8

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

Left In: 335.270+/-0.093 χ^2/NDF :73593.2/7

Left: 334.837+/-0.066 χ^2/NDF : 239274.6/16

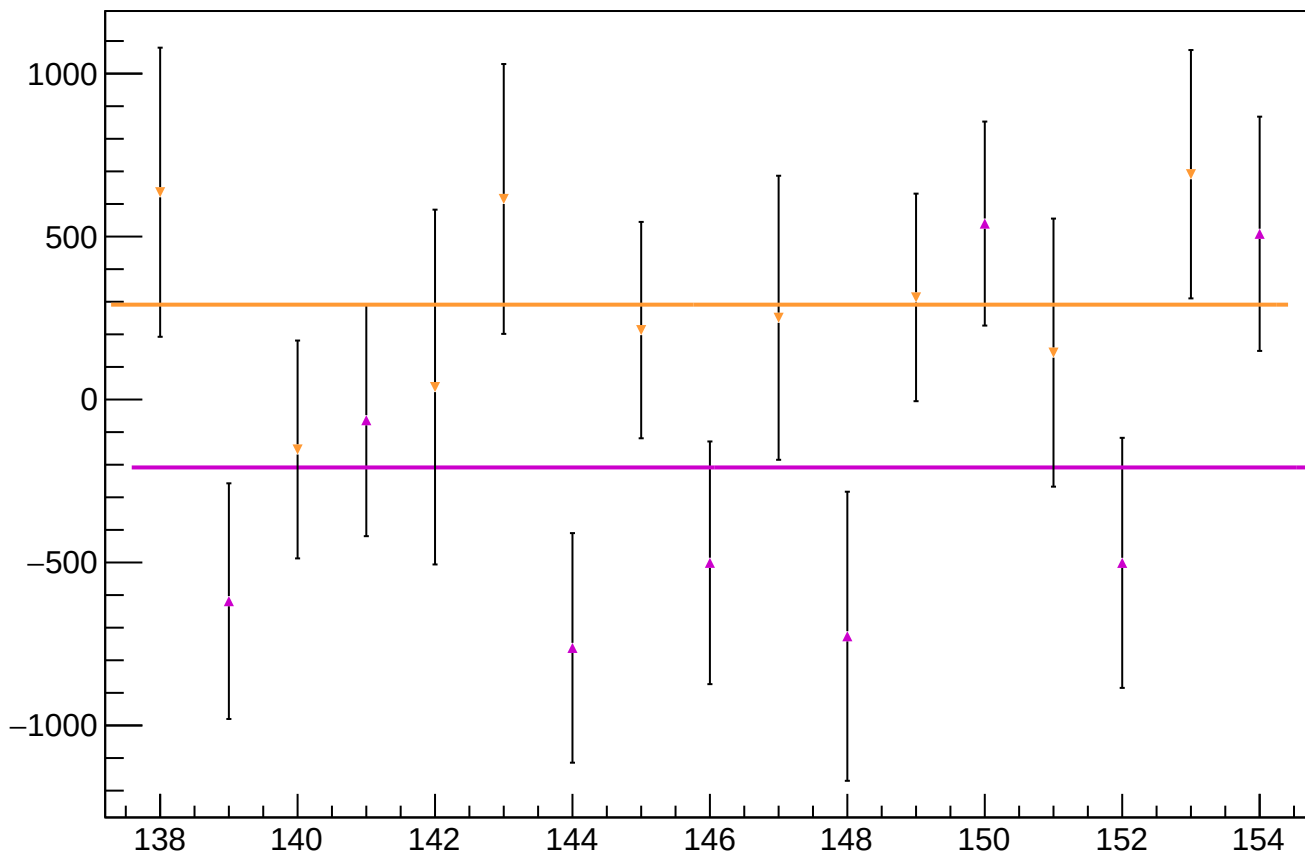
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 335.270+/-0.093 χ^2/NDF :73593.2/7

Out: 334.397+/-0.093 χ^2/NDF :165637.3/8

All: 334.837+/-0.066 χ^2/NDF : 239274.6/16

asym_sam_15_avg_mean vs Slug, Sign Corrected



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

Left Out: 291.098+/-128.830 χ^2/NDF :4.5/8

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

Left In: -208.387+/-128.402 χ^2/NDF :16.2/7

Left: 40.524+/-90.945 χ^2/NDF : 28.2/16

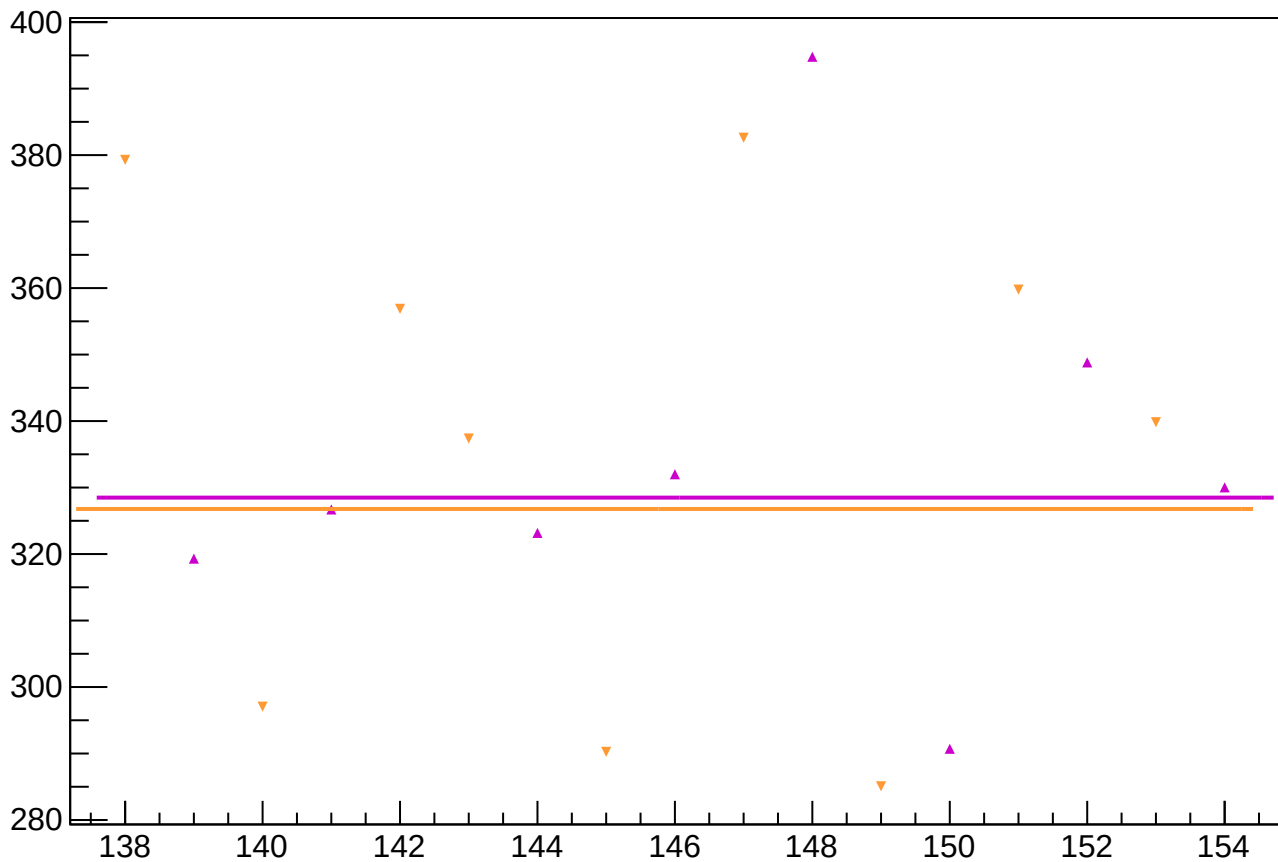
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -208.387+/-128.402 χ^2/NDF :16.2/7

Out: 291.098+/-128.830 χ^2/NDF :4.5/8

All: 40.524+/-90.945 χ^2/NDF : 28.2/16

asym_sam_15_avg_rms vs Slug, Sign Corrected



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

Left Out: 326.781+/-0.091 χ^2/NDF :157869.1/8

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

Left In: 328.486+/-0.091 χ^2/NDF :81462.2/7

Left: 327.636+/-0.064 χ^2/NDF : 239507.1/16

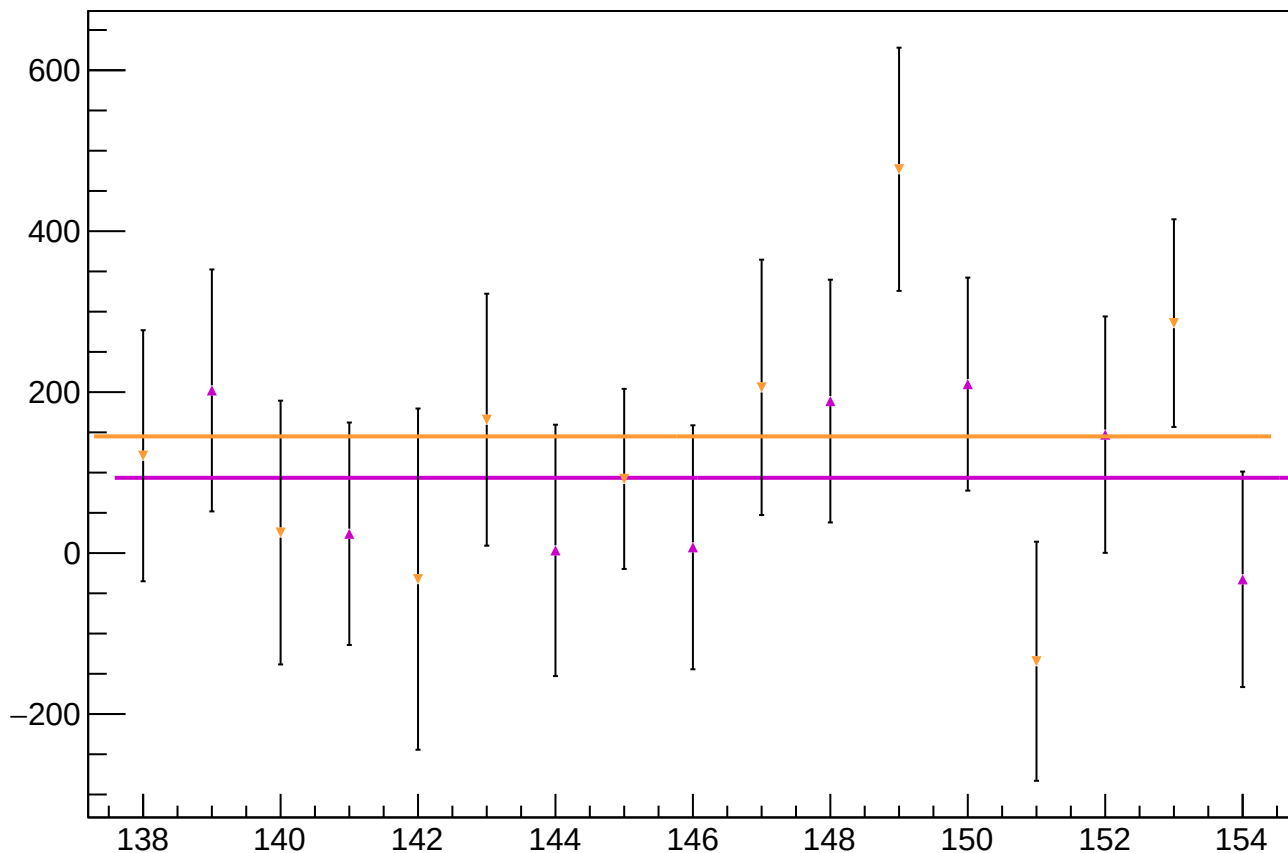
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 328.486+/-0.091 χ^2/NDF :81462.2/7

Out: 326.781+/-0.091 χ^2/NDF :157869.1/8

All: 327.636+/-0.064 χ^2/NDF : 239507.1/16

dit_asym_sam_26_avg_mean vs Slug, Sign Corrected



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

Left Out: 144.999+/-49.378 χ^2/NDF :11.2/8

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

Left In: 93.540+/-51.011 χ^2/NDF :3.6/7

Left: 120.106+/-35.479 χ^2/NDF : 15.4/16

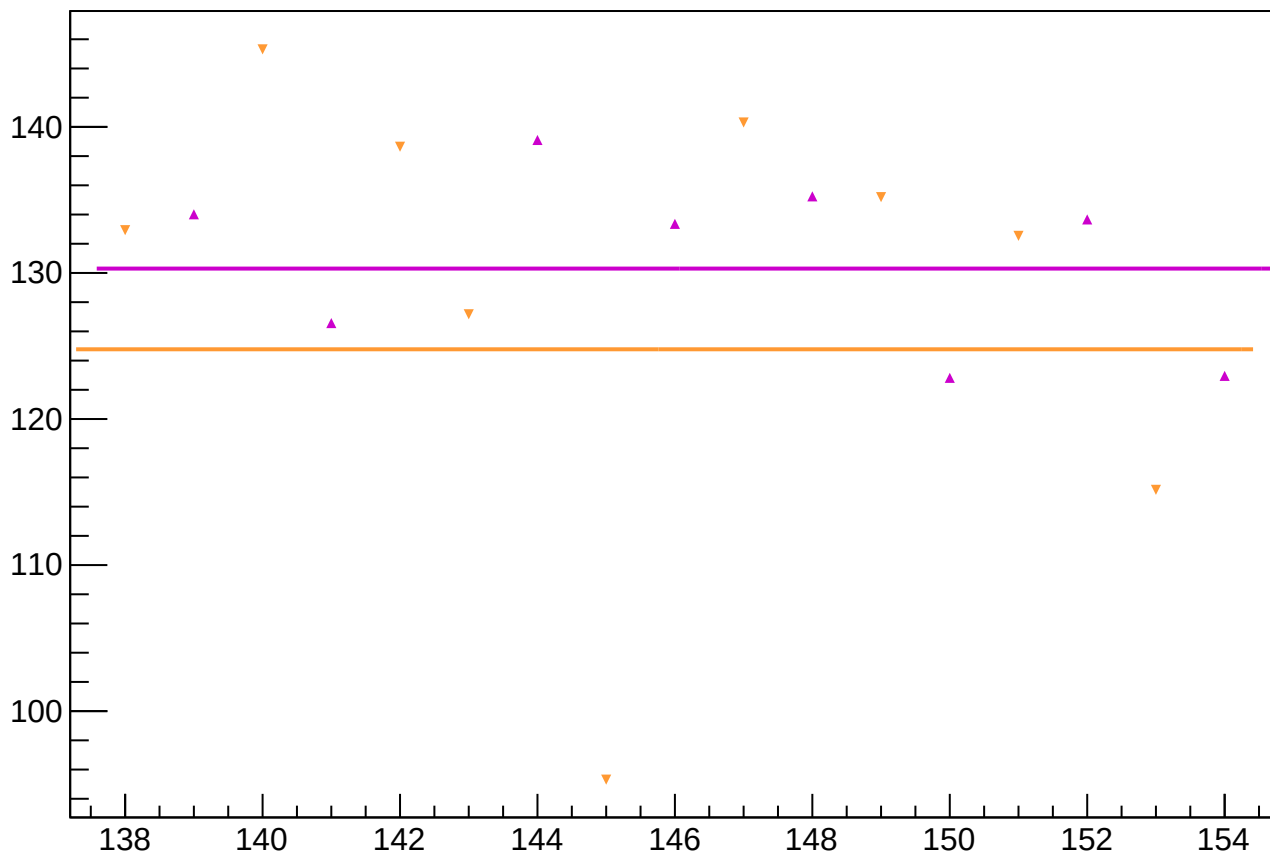
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 93.540+/-51.011 χ^2/NDF :3.6/7

Out: 144.999+/-49.378 χ^2/NDF :11.2/8

All: 120.106+/-35.479 χ^2/NDF : 15.4/16

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



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

Left Out: 124.774+/-0.035 χ^2/NDF :229798.6/8

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

Left In: 130.300+/-0.036 χ^2/NDF :25460.5/7

Left: 127.447+/-0.025 χ^2/NDF : 267375.5/16

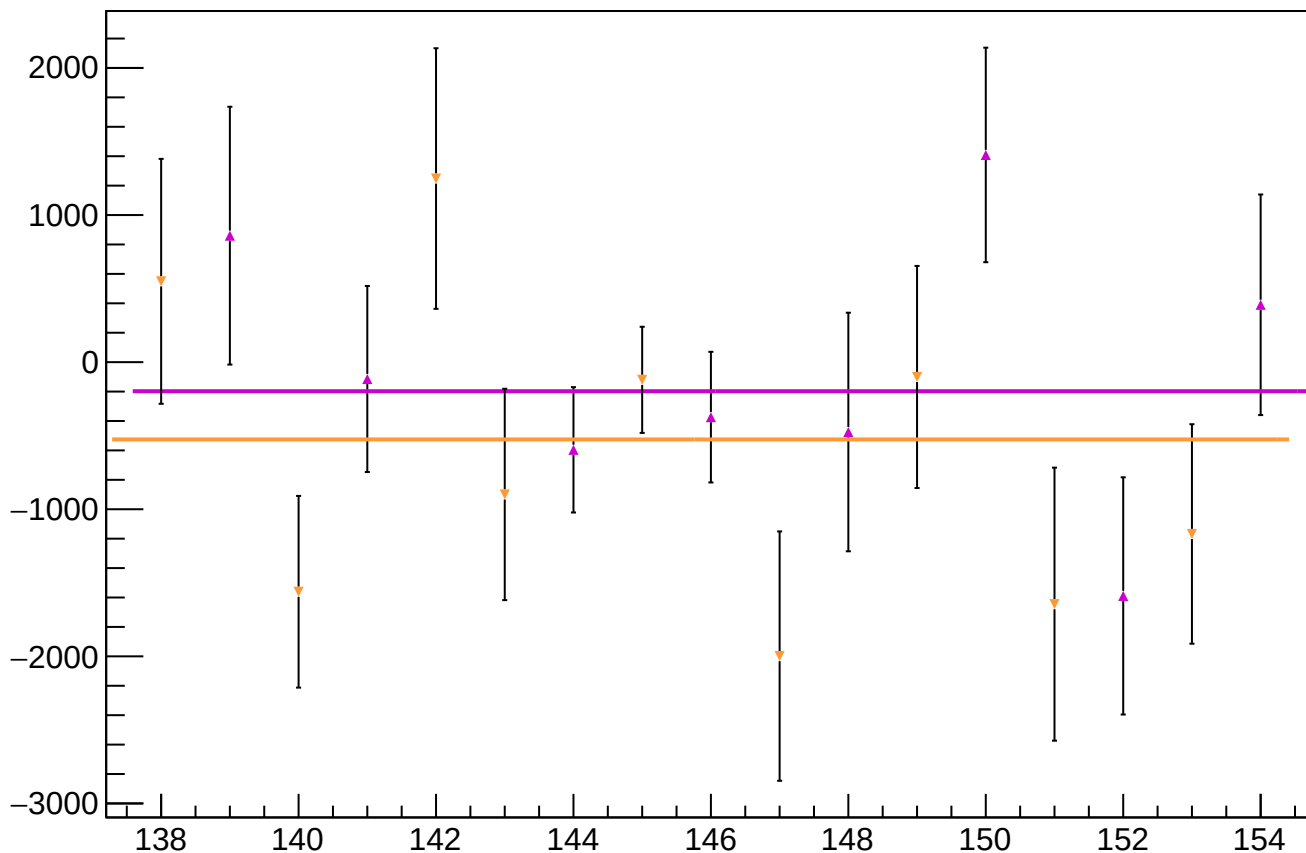
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 130.300+/-0.036 χ^2/NDF :25460.5/7

Out: 124.774+/-0.035 χ^2/NDF :229798.6/8

All: 127.447+/-0.025 χ^2/NDF : 267375.5/16

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -525.380+/-219.274 χ^2/NDF :15.3/8

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

Left In: -197.608+/-217.708 χ^2/NDF :11.1/7

Left: -360.320+/-154.494 χ^2/NDF : 27.5/16

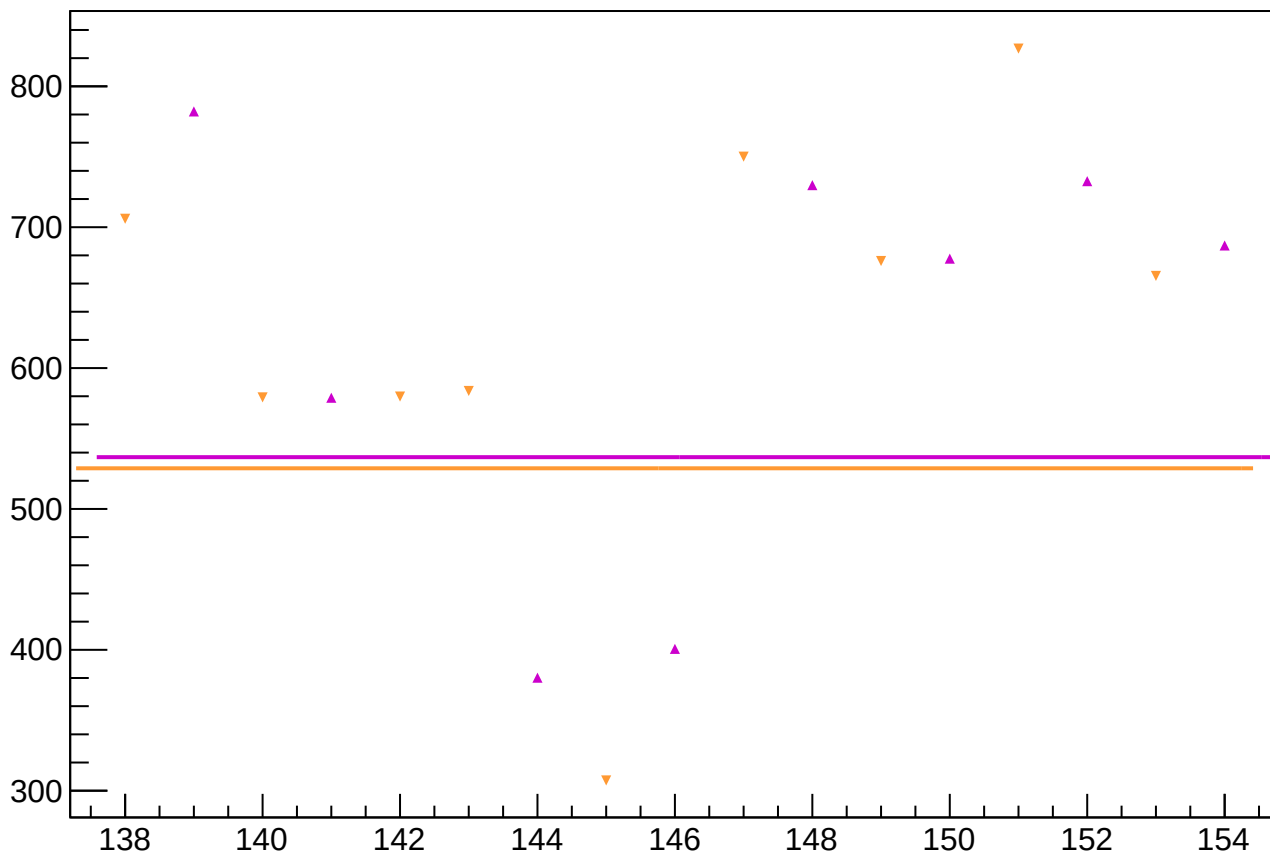
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -197.608+/-217.708 χ^2/NDF :11.1/7

Out: -525.380+/-219.274 χ^2/NDF :15.3/8

All: -360.320+/-154.494 χ^2/NDF : 27.5/16

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 528.861+/-0.155 χ^2/NDF :1360610.6/8

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

Left In: 536.765+/-0.154 χ^2/NDF :1009924.7/7

Left: 532.841+/-0.109 χ^2/NDF : 2371843.7/16

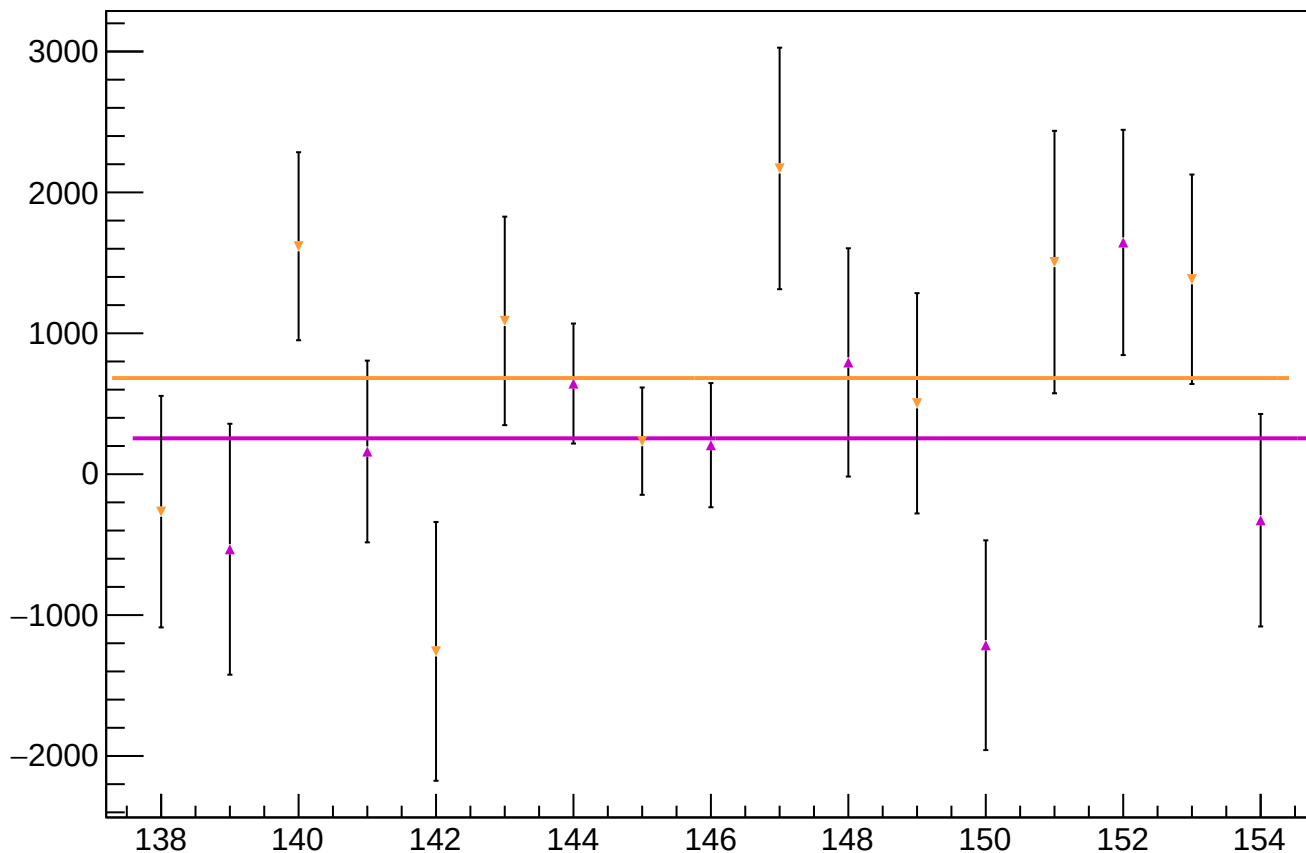
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 536.765+/-0.154 χ^2/NDF :1009924.7/7

Out: 528.861+/-0.155 χ^2/NDF :1360610.6/8

All: 532.841+/-0.109 χ^2/NDF : 2371843.7/16

asym_sam_26_avg_mean vs Slug, Sign Corrected



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

Left Out: 682.300+/-225.910 χ^2/NDF :14.2/8

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

Left In: 254.624+/-218.310 χ^2/NDF :9.6/7

Left: 461.147+/-156.986 χ^2/NDF : 25.6/16

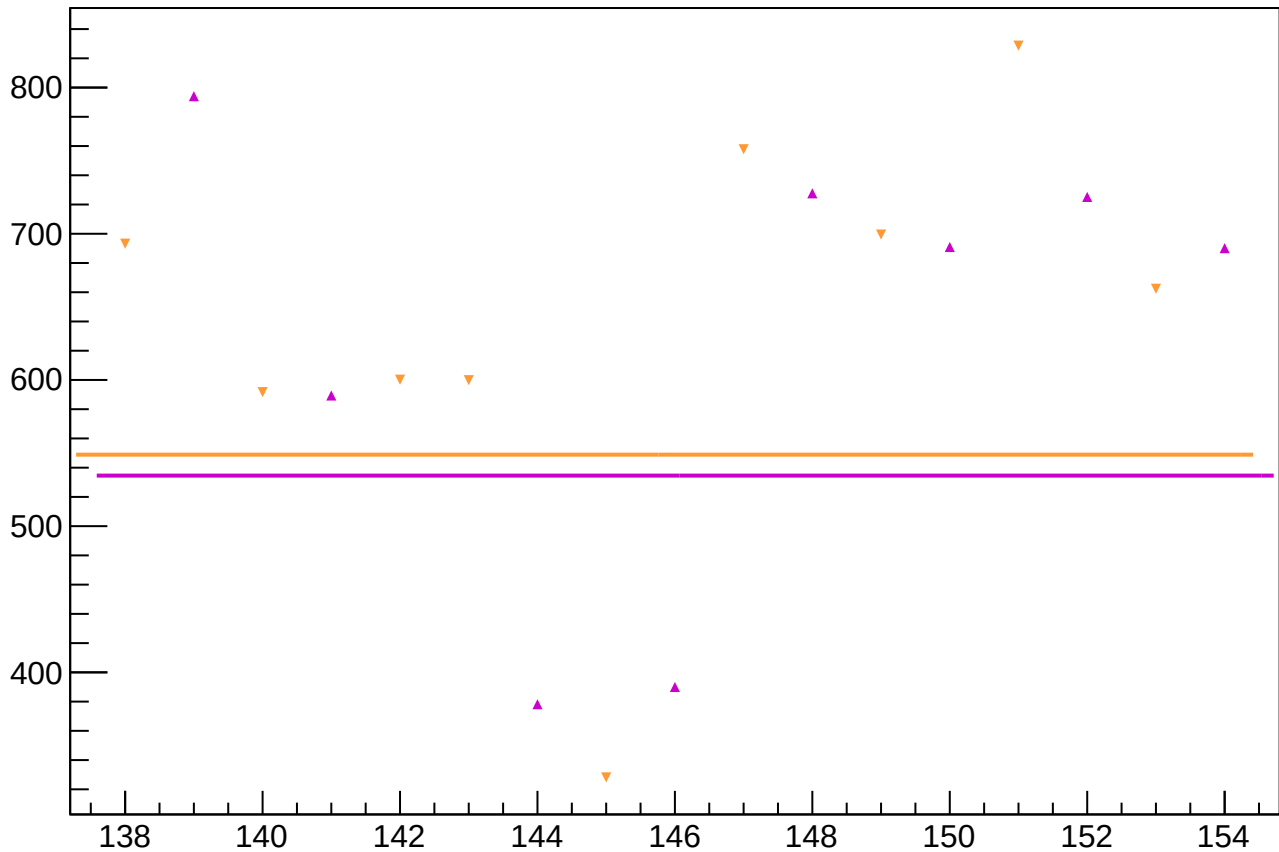
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 254.624+/-218.310 χ^2/NDF :9.6/7

Out: 682.300+/-225.910 χ^2/NDF :14.2/8

All: 461.147+/-156.986 χ^2/NDF : 25.6/16

asym_sam_26_avg_rms vs Slug, Sign Corrected



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

Left Out: 548.903+/-0.160 χ^2/NDF :1177806.1/8

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

Left In: 534.582+/-0.154 χ^2/NDF :1070063.4/7

Left: 541.497+/-0.111 χ^2/NDF : 2252025.5/16

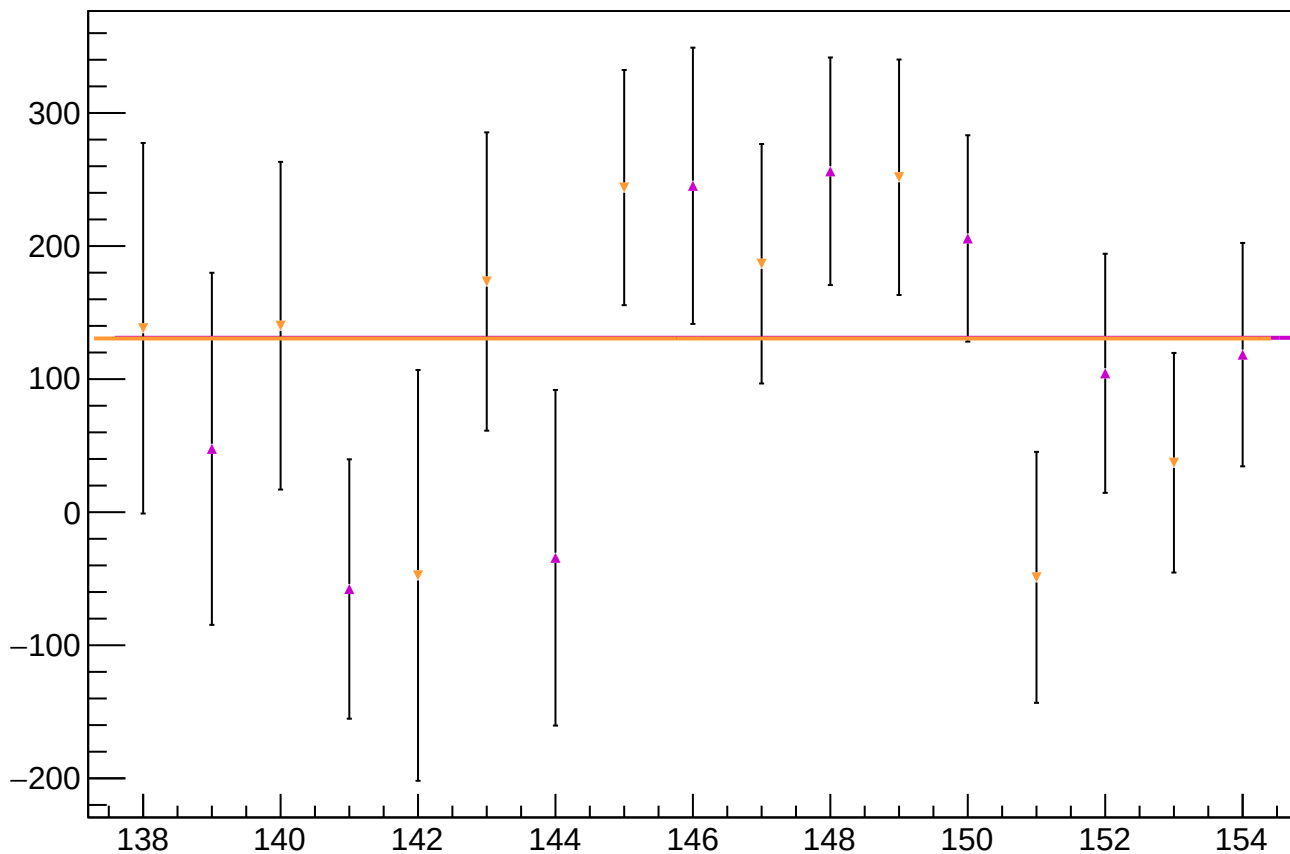
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 534.582+/-0.154 χ^2/NDF :1070063.4/7

Out: 548.903+/-0.160 χ^2/NDF :1177806.1/8

All: 541.497+/-0.111 χ^2/NDF : 2252025.5/16

dit_asym_sam_37_avg_mean vs Slug, Sign Corrected



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

Left Out: 130.547+/-33.753 χ^2/NDF :10.3/8

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

Left In: 131.058+/-33.576 χ^2/NDF :10.3/7

Left: 130.803+/-23.804 χ^2/NDF : 20.6/16

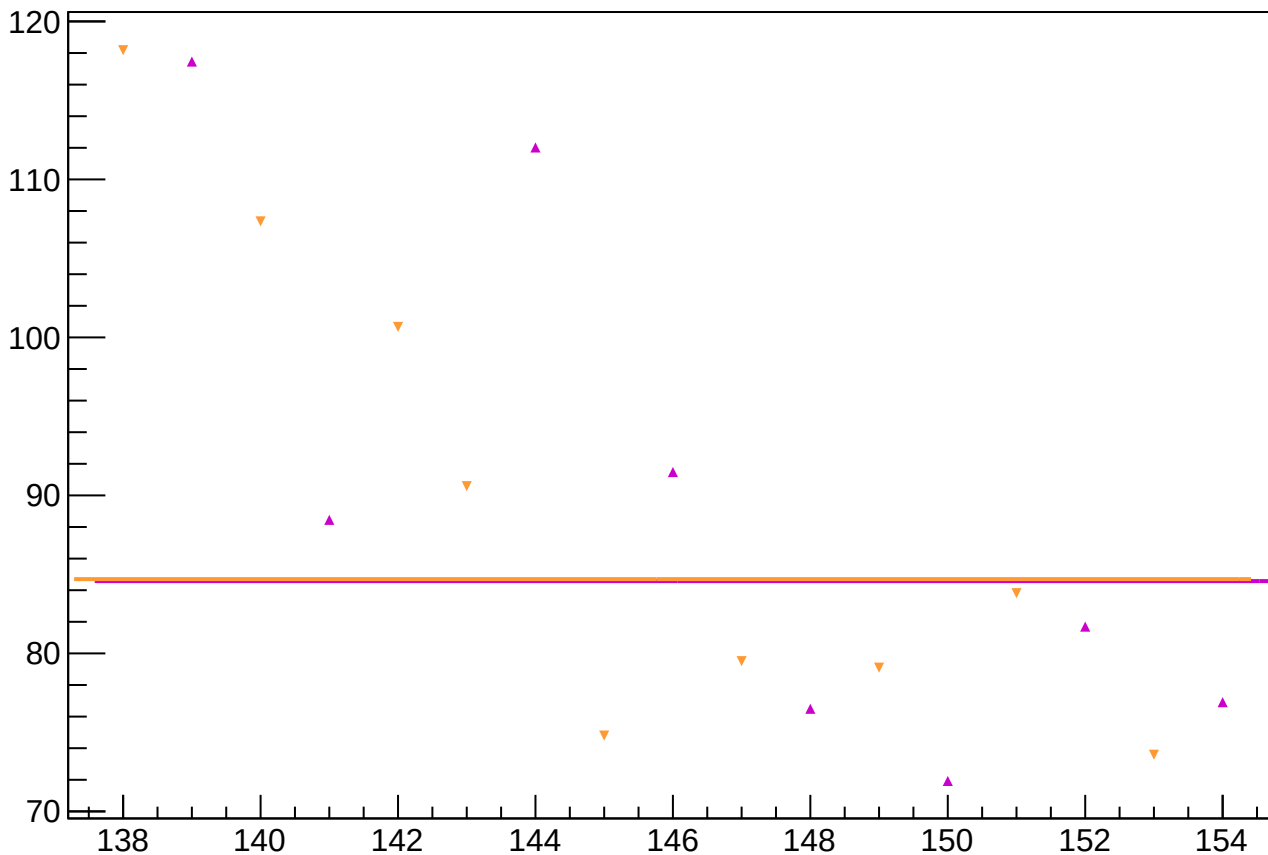
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 131.058+/-33.576 χ^2/NDF :10.3/7

Out: 130.547+/-33.753 χ^2/NDF :10.3/8

All: 130.803+/-23.804 χ^2/NDF : 20.6/16

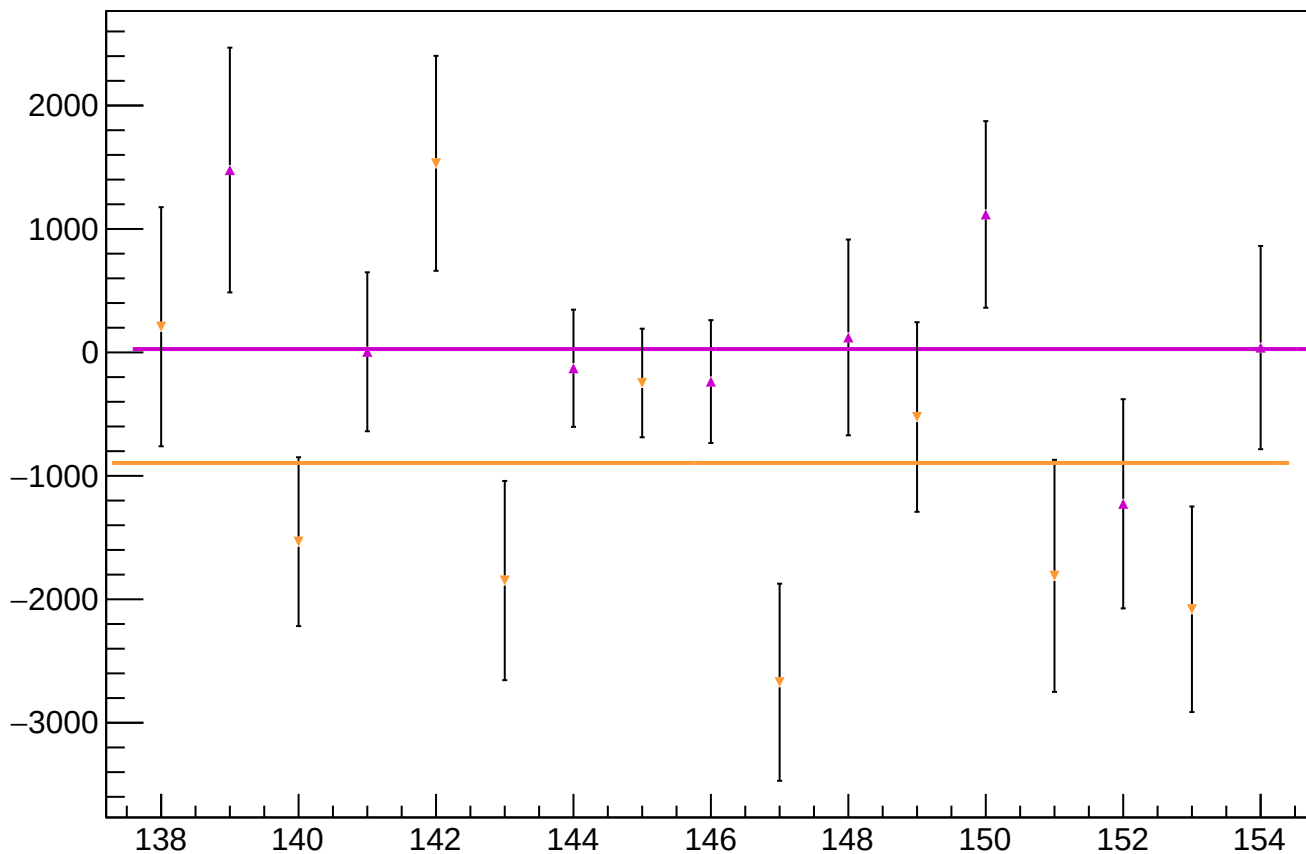
dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 84.701+/-0.024 χ^2/NDF :286370.5/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 84.576+/-0.024 χ^2/NDF :320124.4/7

Left: 84.639+/-0.017 χ^2/NDF : 606508.8/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 84.576+/-0.024 χ^2/NDF :320124.4/7
 Out: 84.701+/-0.024 χ^2/NDF :286370.5/8
 All: 84.639+/-0.017 χ^2/NDF : 606508.8/16

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -895.371+/-242.082 χ^2/NDF :21.7/8

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

Left In: 27.248+/-234.937 χ^2/NDF :6.8/7

Left: -420.246+/-168.595 χ^2/NDF : 36.0/16

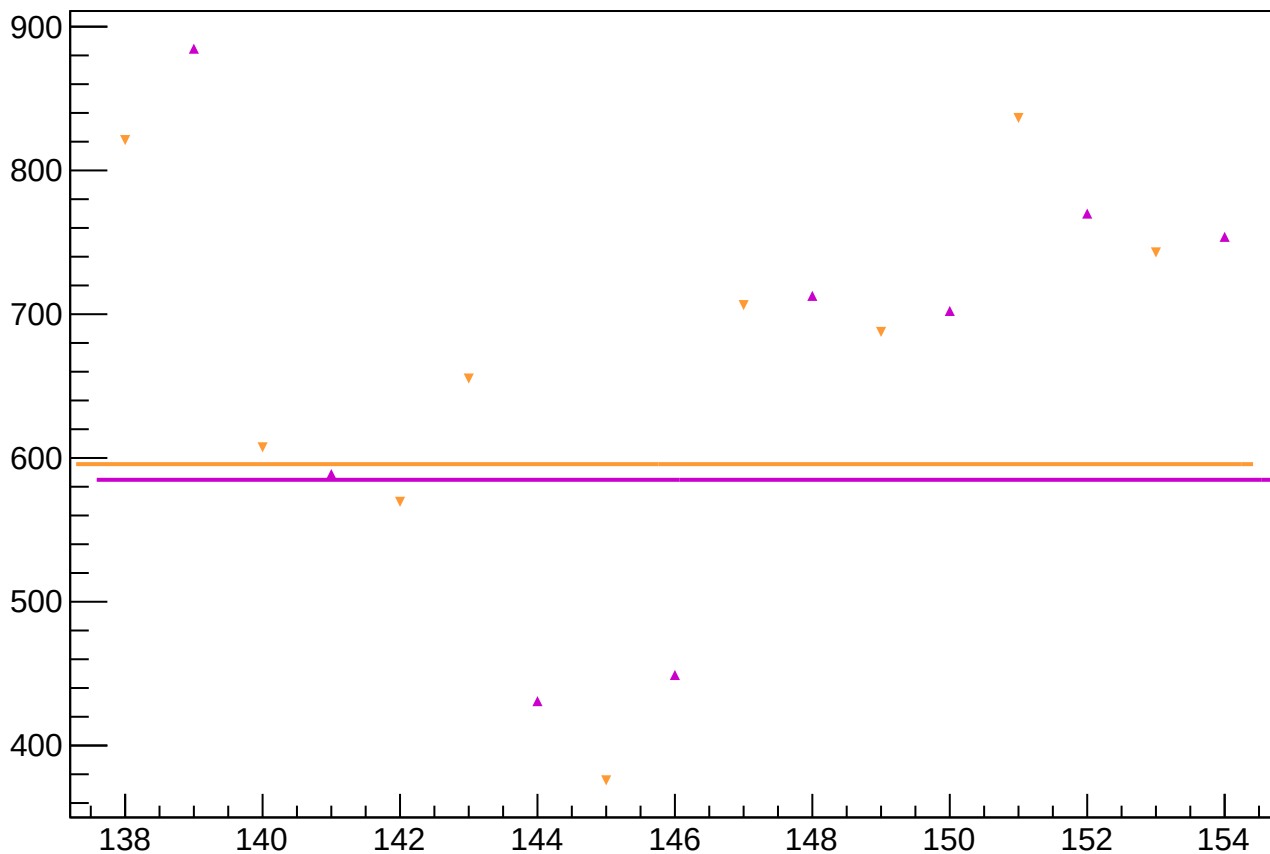
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 27.248+/-234.937 χ^2/NDF :6.8/7

Out: -895.371+/-242.082 χ^2/NDF :21.7/8

All: -420.246+/-168.595 χ^2/NDF : 36.0/16

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 595.710+/-0.171 χ^2/NDF : 882301.4/8

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

Left In: 584.821+/-0.166 χ^2/NDF : 822484.2/7

Left: 590.102+/-0.119 χ^2/NDF : 1706869.4/16

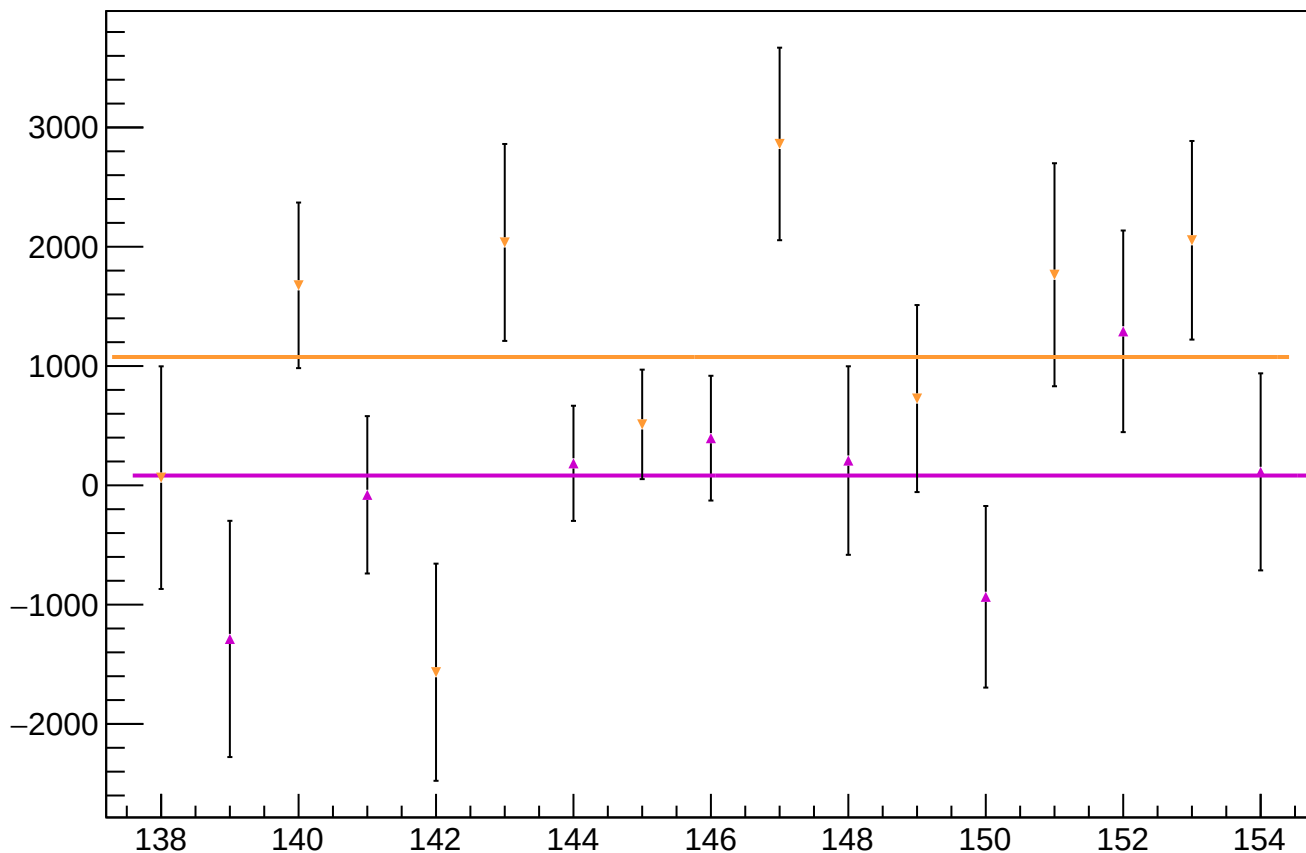
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 584.821+/-0.166 χ^2/NDF : 822484.2/7

Out: 595.710+/-0.171 χ^2/NDF : 882301.4/8

All: 590.102+/-0.119 χ^2/NDF : 1706869.4/16

asym_sam_37_avg_mean vs Slug, Sign Corrected



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

Left Out: 1075.747+/-246.933 χ^2/NDF :20.2/8

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

Left In: 82.211+/-239.300 χ^2/NDF :6.2/7

Left: 563.386+/-171.846 χ^2/NDF : 34.8/16

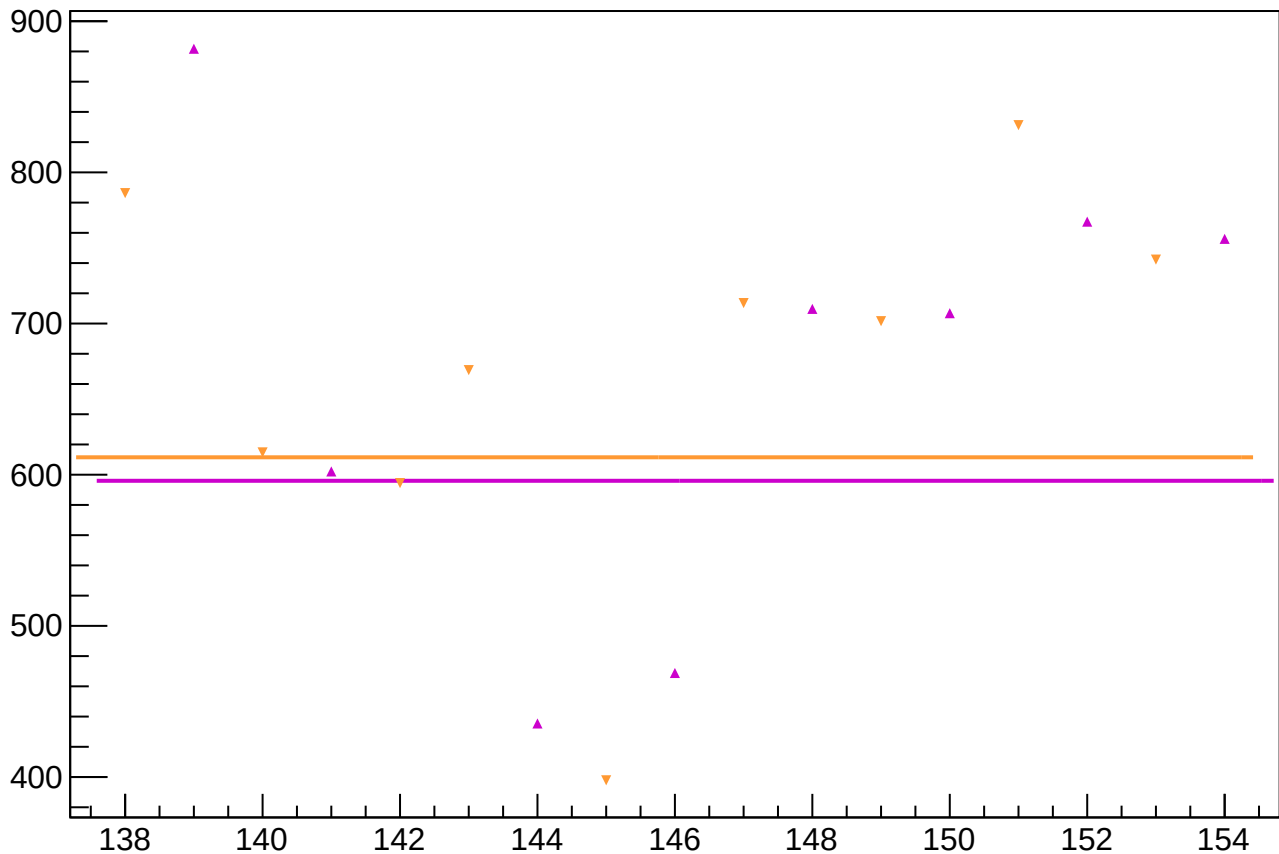
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 82.211+/-239.300 χ^2/NDF :6.2/7

Out: 1075.747+/-246.933 χ^2/NDF :20.2/8

All: 563.386+/-171.846 χ^2/NDF : 34.8/16

asym_sam_37_avg_rms vs Slug, Sign Corrected



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

Left Out: 611.515+/-0.175 χ^2/NDF : 732578.5/8

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

Left In: 595.975+/-0.169 χ^2/NDF : 747609.5/7

Left: 603.501+/-0.122 χ^2/NDF : 1484272.6/16

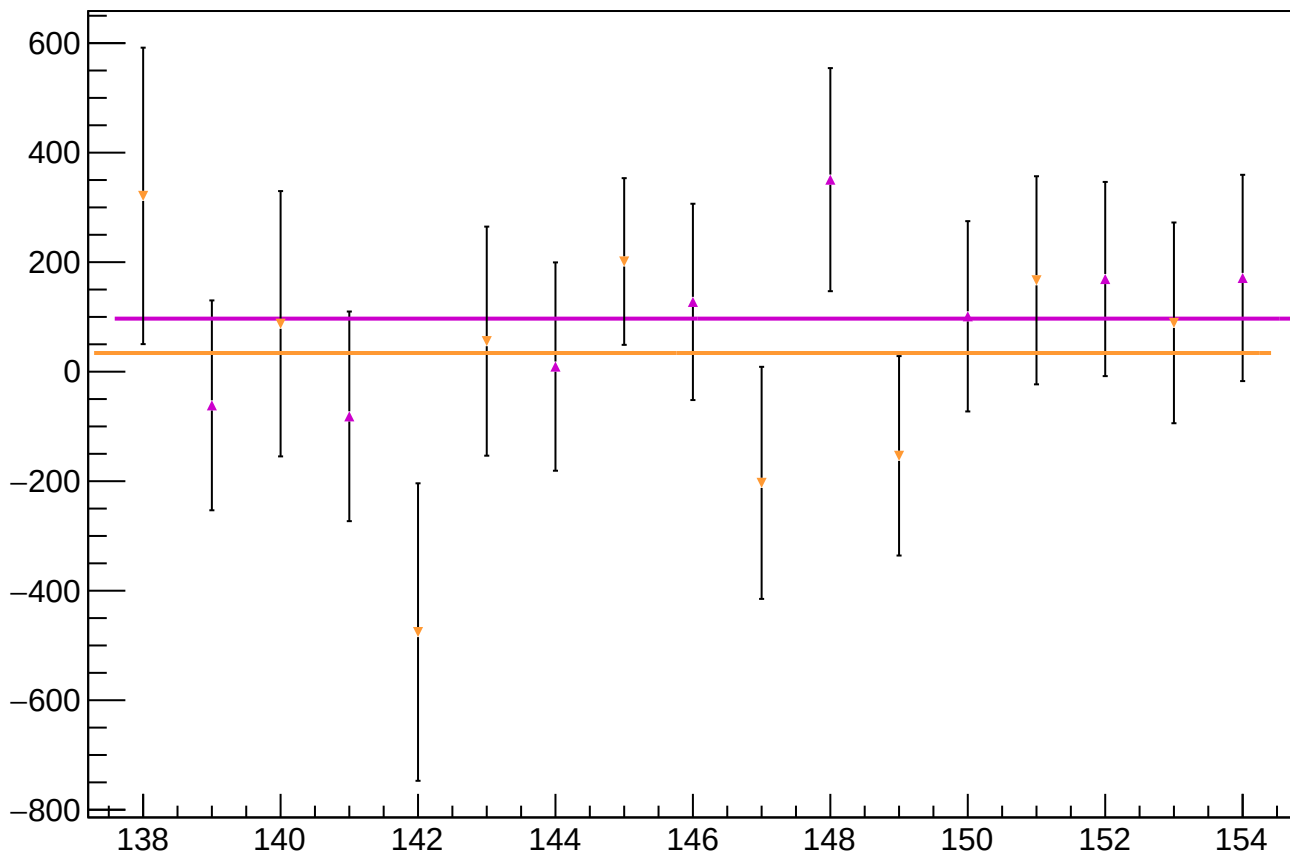
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 595.975+/-0.169 χ^2/NDF : 747609.5/7

Out: 611.515+/-0.175 χ^2/NDF : 732578.5/8

All: 603.501+/-0.122 χ^2/NDF : 1484272.6/16

dit_asym_sam_48_avg_mean vs Slug, Sign Corrected



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

Left Out: 34.113+/-67.400 χ^2/NDF : 8.8/8

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

Left In: 96.883+/-65.867 χ^2/NDF : 3.7/7

Left: 66.220+/-47.108 χ^2/NDF : 12.9/16

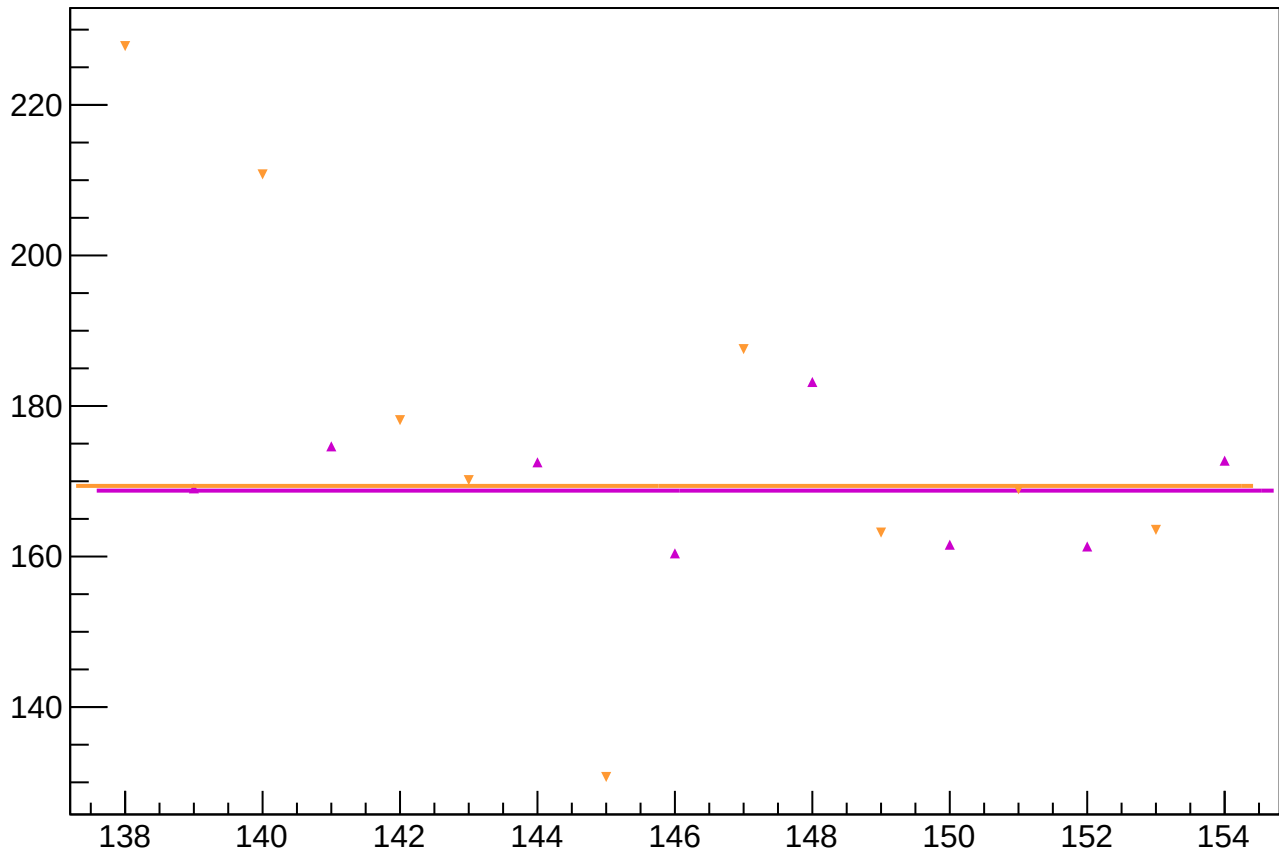
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 96.883+/-65.867 χ^2/NDF : 3.7/7

Out: 34.113+/-67.400 χ^2/NDF : 8.8/8

All: 66.220+/-47.108 χ^2/NDF : 12.9/16

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



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

Left Out: 169.384+/-0.048 χ^2/NDF :301810.0/8

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

Left In: 168.755+/-0.047 χ^2/NDF :24856.1/7

Left: 169.062+/-0.033 χ^2/NDF : 326755.2/16

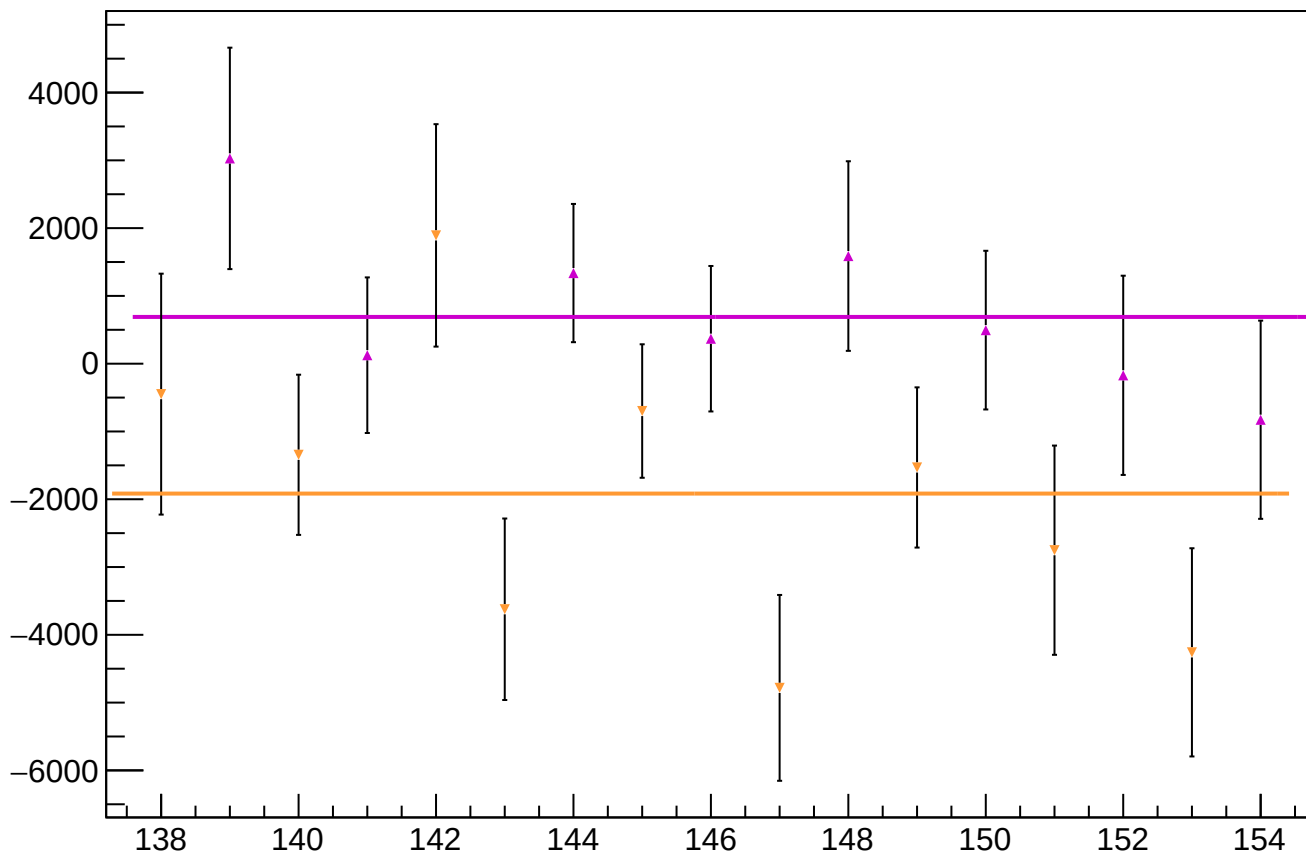
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 168.755+/-0.047 χ^2/NDF :24856.1/7

Out: 169.384+/-0.048 χ^2/NDF :301810.0/8

All: 169.062+/-0.033 χ^2/NDF : 326755.2/16

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1916.272+/-443.452 χ^2/NDF :16.6/8

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

Left In: 689.817+/-441.276 χ^2/NDF :4.6/7

Left: -606.818+/-312.796 χ^2/NDF : 38.6/16

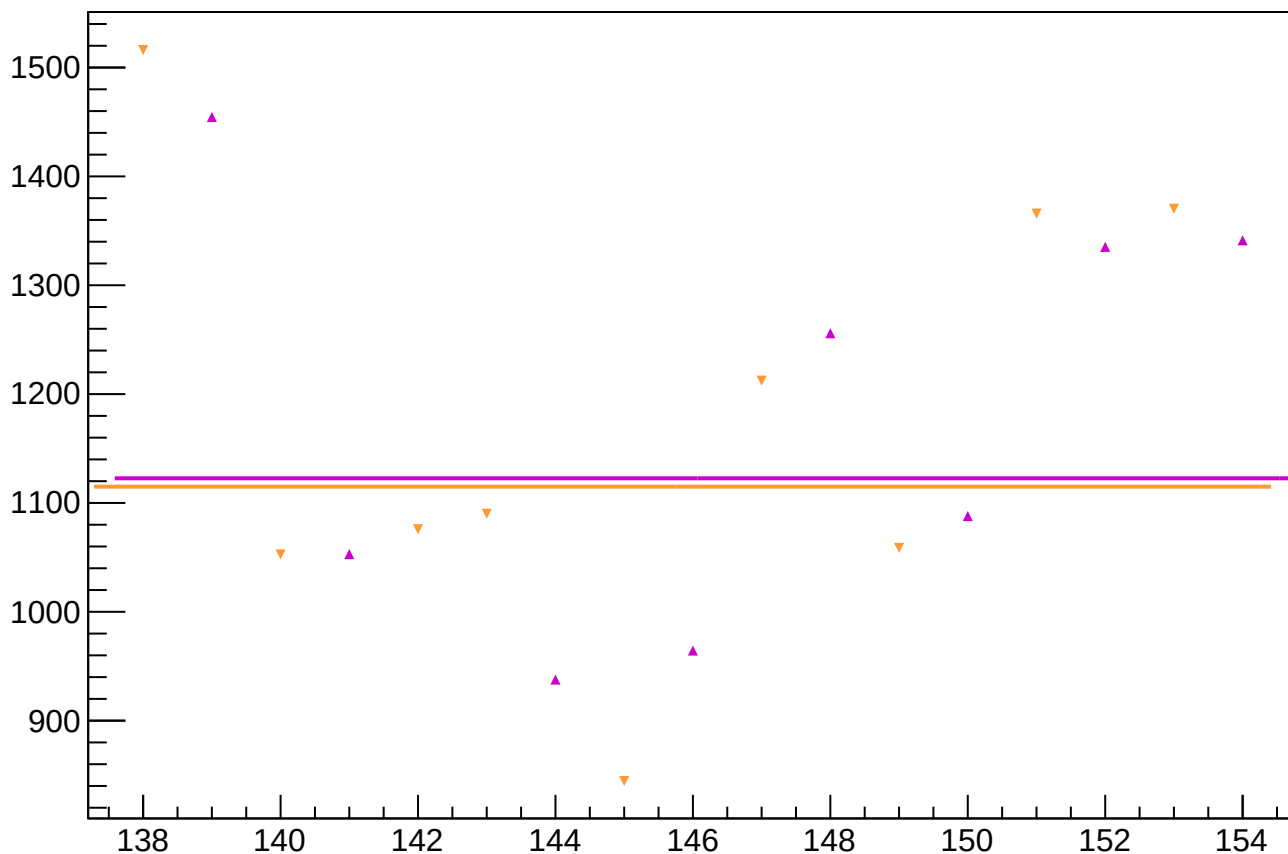
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 689.817+/-441.276 χ^2/NDF :4.6/7

Out: -1916.272+/-443.452 χ^2/NDF :16.6/8

All: -606.818+/-312.796 χ^2/NDF : 38.6/16

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1114.983+/-0.314 χ^2/NDF :382818.6/8

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

Left In: 1122.639+/-0.312 χ^2/NDF :305648.9/7

Left: 1118.830+/-0.221 χ^2/NDF : 688767.0/16

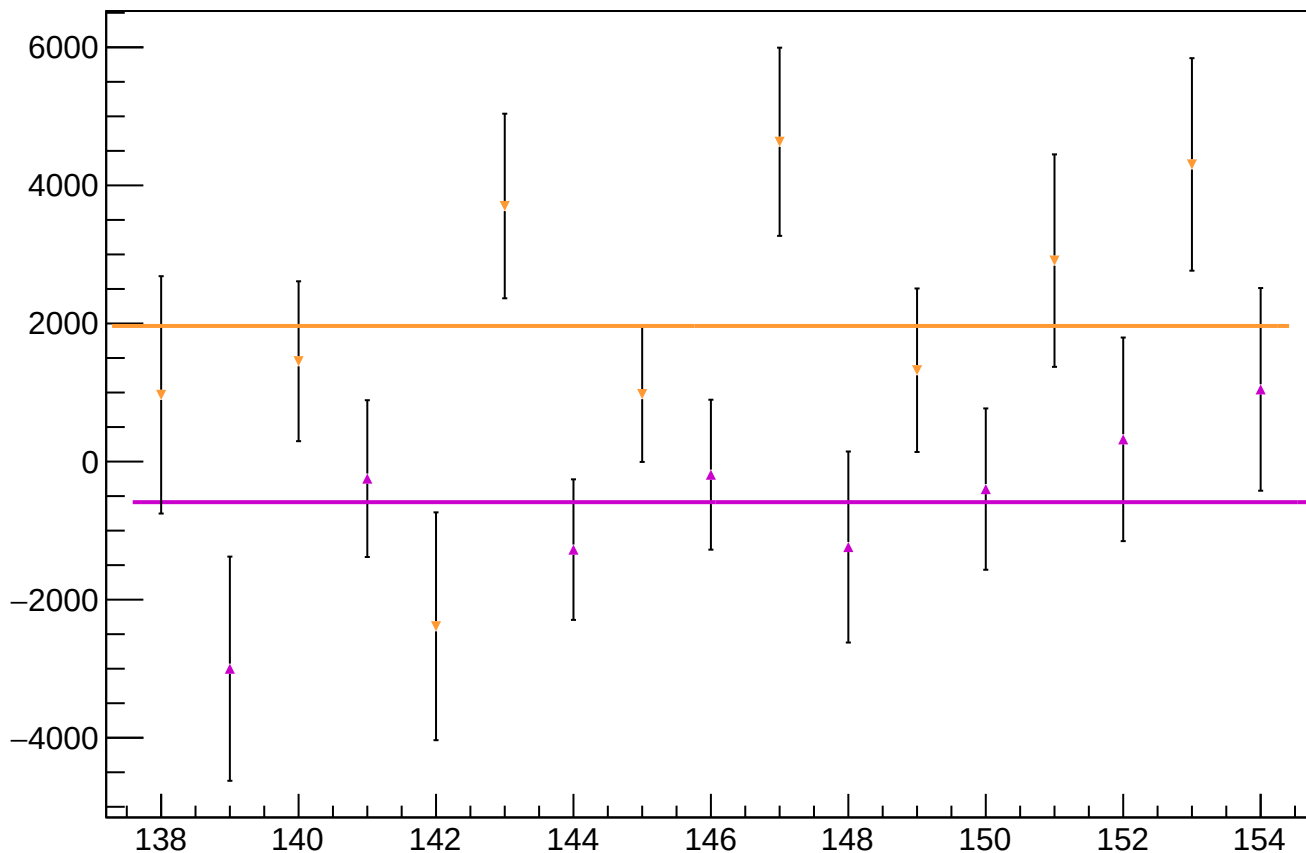
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1122.639+/-0.312 χ^2/NDF :305648.9/7

Out: 1114.983+/-0.314 χ^2/NDF :382818.6/8

All: 1118.830+/-0.221 χ^2/NDF : 688767.0/16

asym_sam_48_avg_mean vs Slug, Sign Corrected



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

Left Out: 1964.269+/-440.985 χ^2/NDF :17.0/8

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

Left In: -587.964+/-440.753 χ^2/NDF :4.8/7

Left: 687.482+/-311.741 χ^2/NDF : 38.5/16

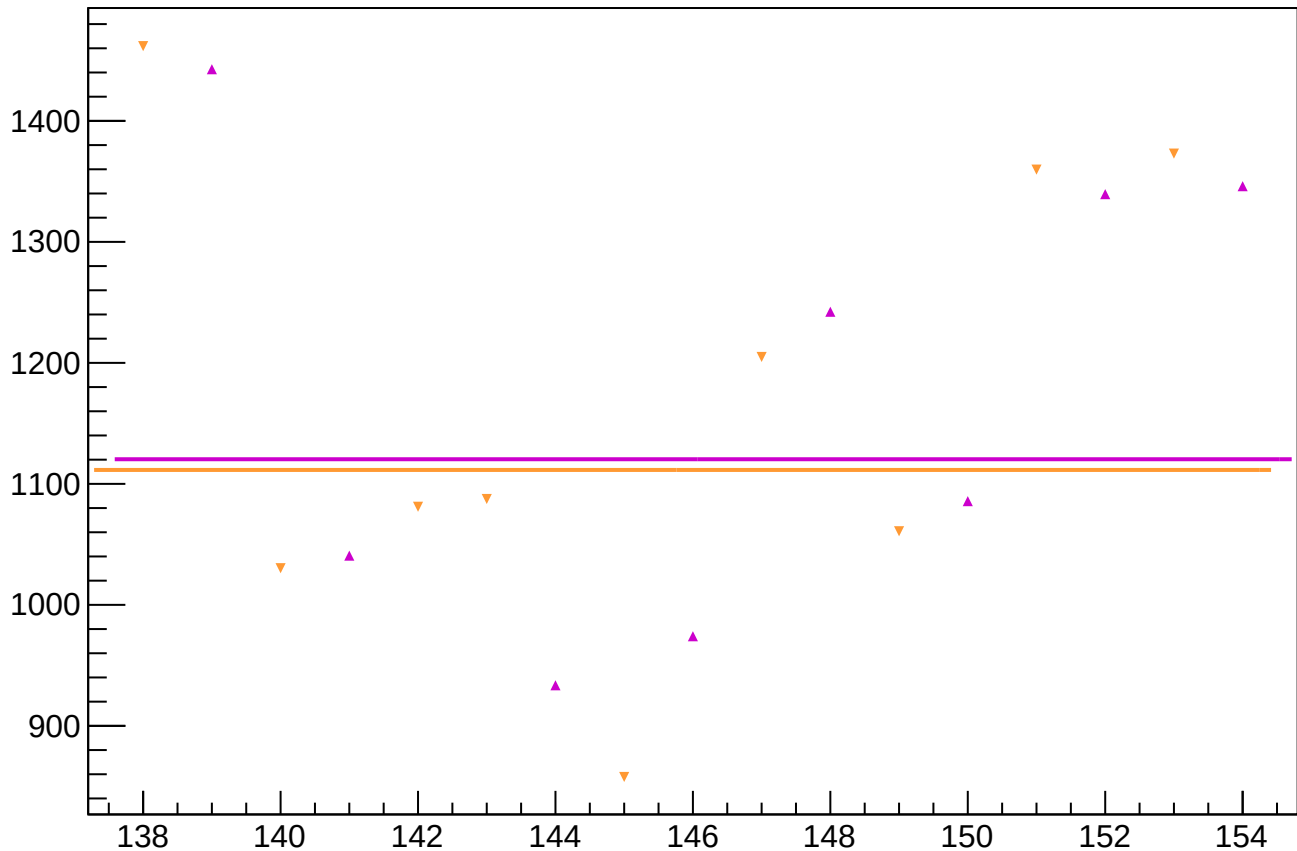
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -587.964+/-440.753 χ^2/NDF :4.8/7

Out: 1964.269+/-440.985 χ^2/NDF :17.0/8

All: 687.482+/-311.741 χ^2/NDF : 38.5/16

asym_sam_48_avg_rms vs Slug, Sign Corrected



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

Left Out: 1111.510+/-0.312 χ^2/NDF : 350341.6/8

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

Left In: 1120.357+/-0.312 χ^2/NDF : 301106.3/7

Left: 1115.936+/-0.220 χ^2/NDF : 651850.6/16

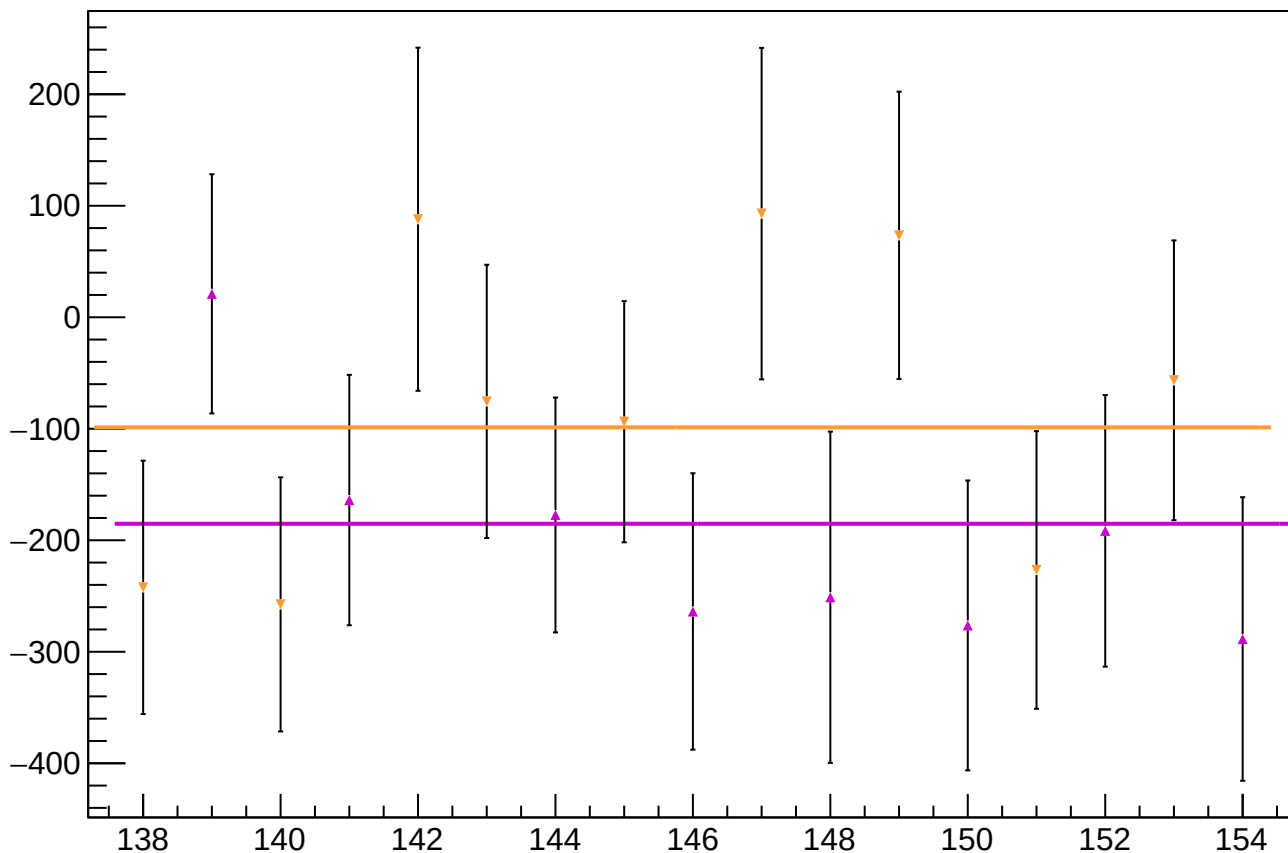
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1120.357+/-0.312 χ^2/NDF : 301106.3/7

Out: 1111.510+/-0.312 χ^2/NDF : 350341.6/8

All: 1115.936+/-0.220 χ^2/NDF : 651850.6/16

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



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

Left Out: -98.736+/-41.439 χ^2/NDF : 9.7/8

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

Left In: -185.188+/-42.438 χ^2/NDF : 5.5/7

Left: -140.932+/-29.649 χ^2/NDF : 17.3/16

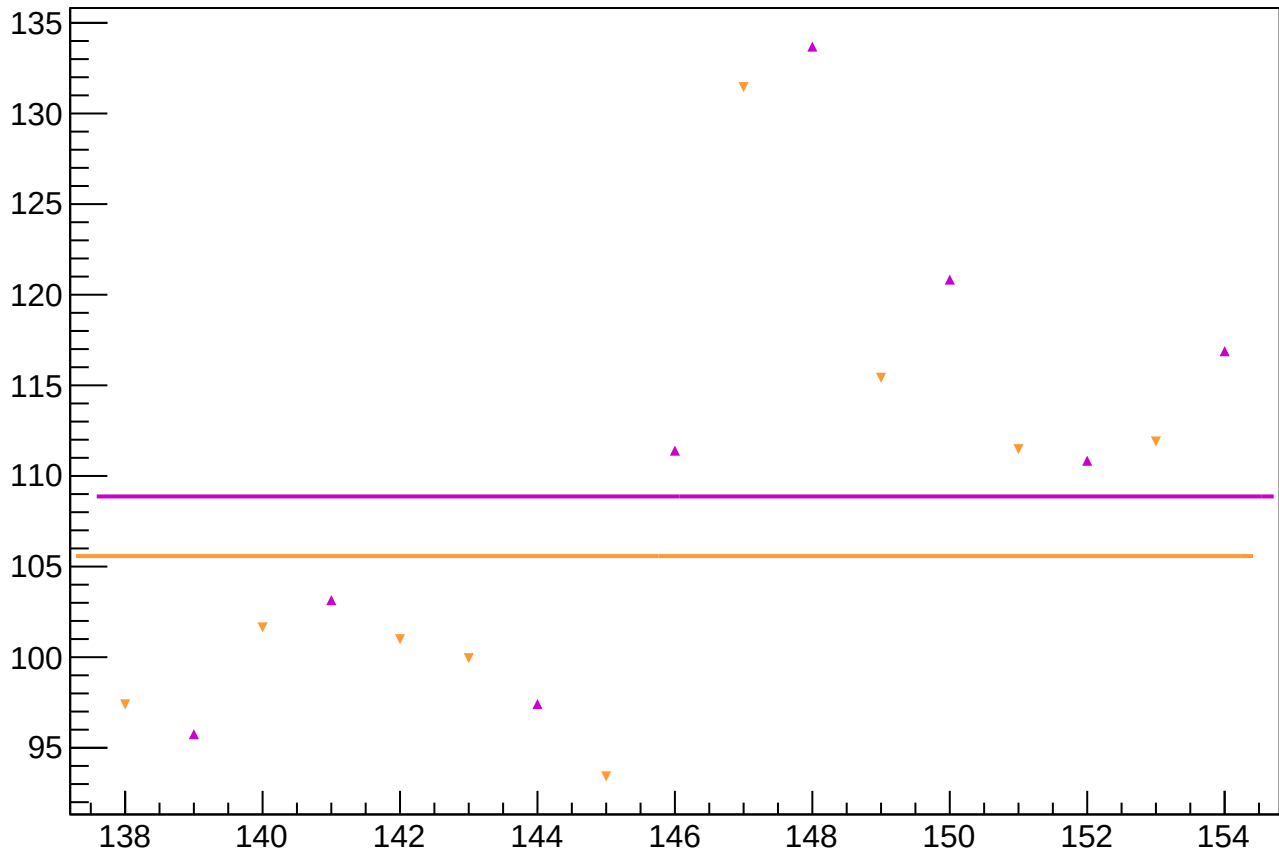
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -185.188+/-42.438 χ^2/NDF : 5.5/7

Out: -98.736+/-41.439 χ^2/NDF : 9.7/8

All: -140.932+/-29.649 χ^2/NDF : 17.3/16

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



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

Left Out: 105.579+/-0.029 χ^2/NDF :125840.4/8

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

Left In: 108.870+/-0.030 χ^2/NDF :140853.9/7

Left: 107.185+/-0.021 χ^2/NDF : 272850.3/16

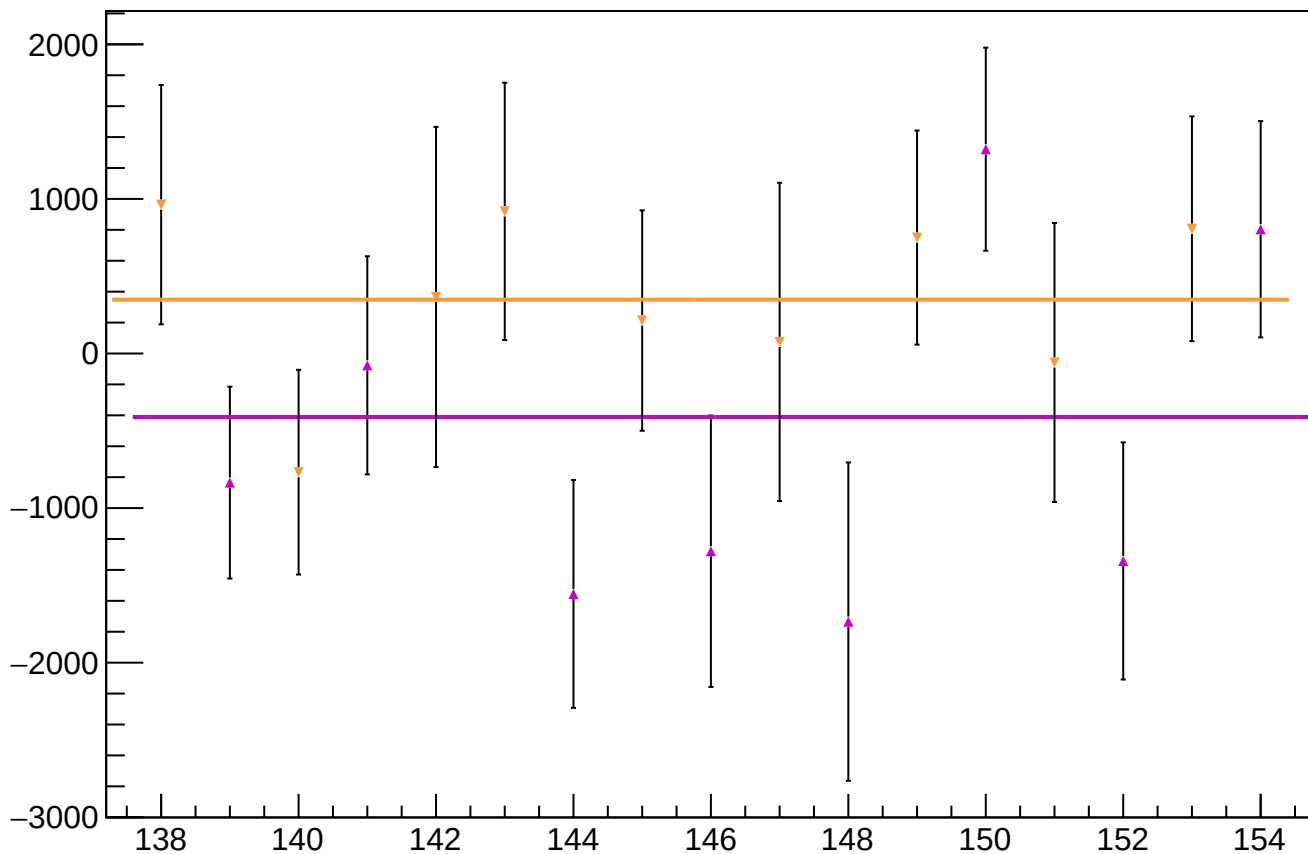
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 108.870+/-0.030 χ^2/NDF :140853.9/7

Out: 105.579+/-0.029 χ^2/NDF :125840.4/8

All: 107.185+/-0.021 χ^2/NDF : 272850.3/16

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 348.422+/-264.127 χ^2/NDF :5.0/8

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

Left In: -410.670+/-260.408 χ^2/NDF :17.2/7

Left: -36.506+/-185.437 χ^2/NDF : 26.4/16

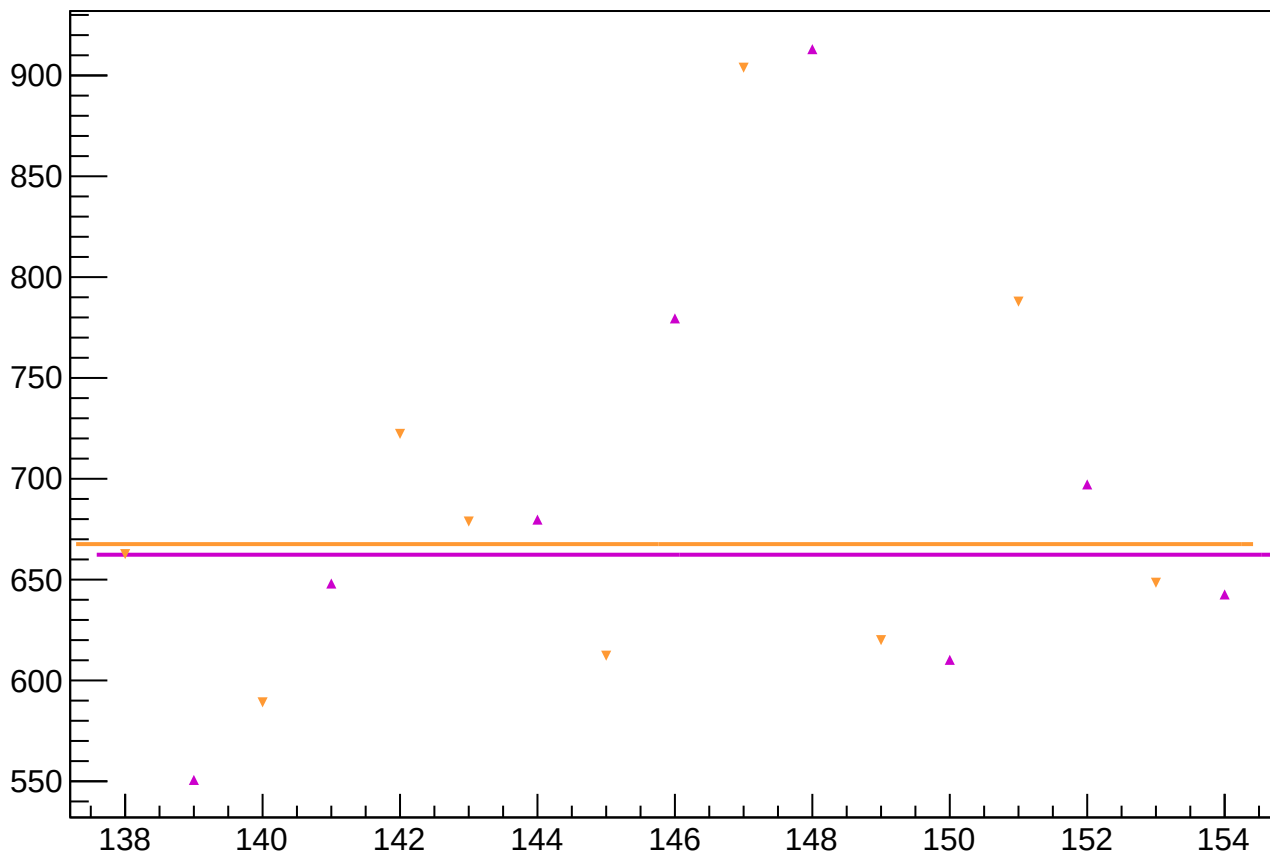
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -410.670+/-260.408 χ^2/NDF :17.2/7

Out: 348.422+/-264.127 χ^2/NDF :5.0/8

All: -36.506+/-185.437 χ^2/NDF : 26.4/16

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 667.604+/-0.187 χ^2/NDF :197131.3/8

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

Left In: 662.345+/-0.184 χ^2/NDF :239237.9/7

Left: 664.937+/-0.131 χ^2/NDF : 436771.3/16

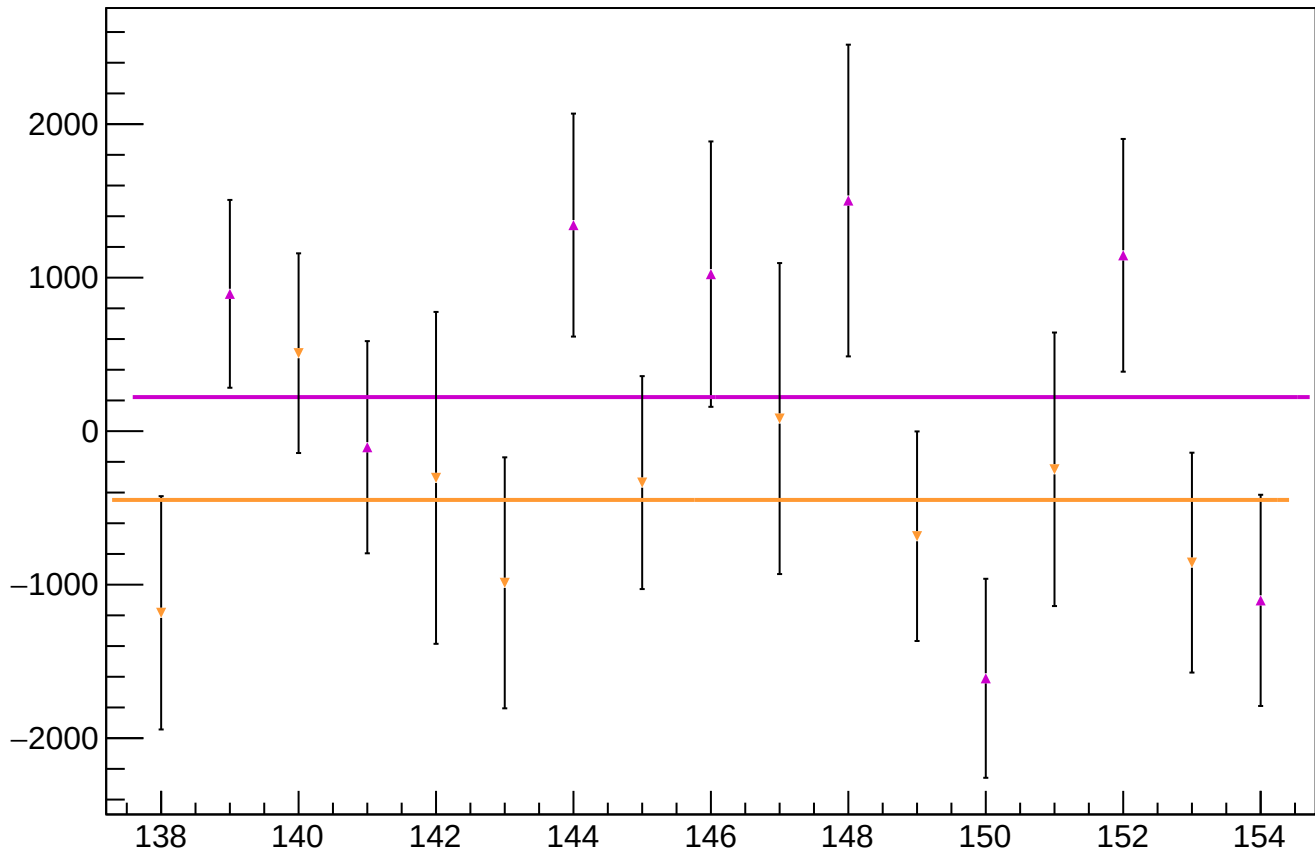
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 662.345+/-0.184 χ^2/NDF :239237.9/7

Out: 667.604+/-0.187 χ^2/NDF :197131.3/8

All: 664.937+/-0.131 χ^2/NDF : 436771.3/16

asym_sam_15_dd_mean vs Slug, Sign Corrected



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

Left Out: -448.002+/-259.447 χ^2/NDF :4.3/8

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

Left In: 221.901+/-256.468 χ^2/NDF :19.4/7

Left: -109.182+/-182.394 χ^2/NDF : 27.2/16

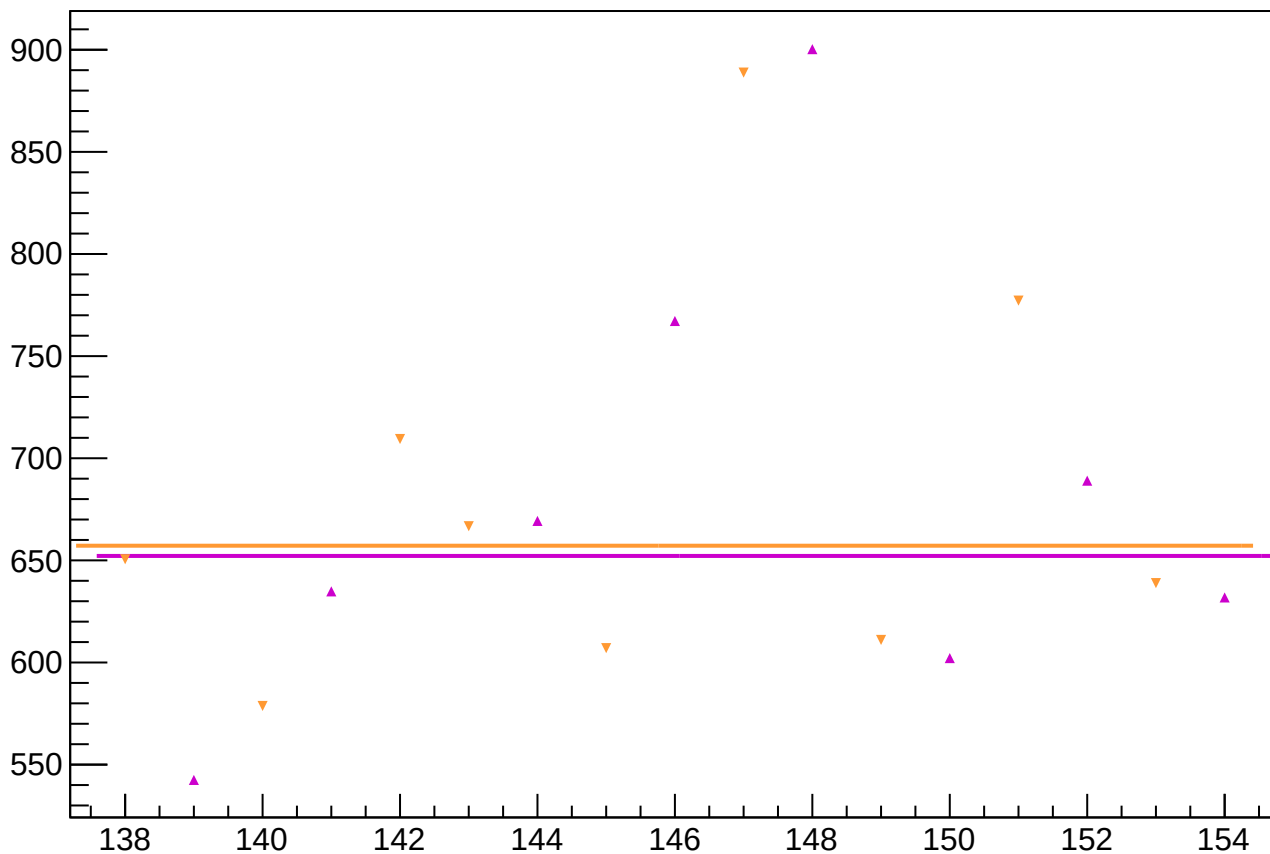
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 221.901+/-256.468 χ^2/NDF :19.4/7

Out: -448.002+/-259.447 χ^2/NDF :4.3/8

All: -109.182+/-182.394 χ^2/NDF : 27.2/16

asym_sam_15_dd_rms vs Slug, Sign Corrected



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

Left Out: 657.182+/-0.183 χ^2/NDF :195968.2/8

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

Left In: 652.174+/-0.181 χ^2/NDF :239887.5/7

Left: 654.649+/-0.129 χ^2/NDF : 436232.5/16

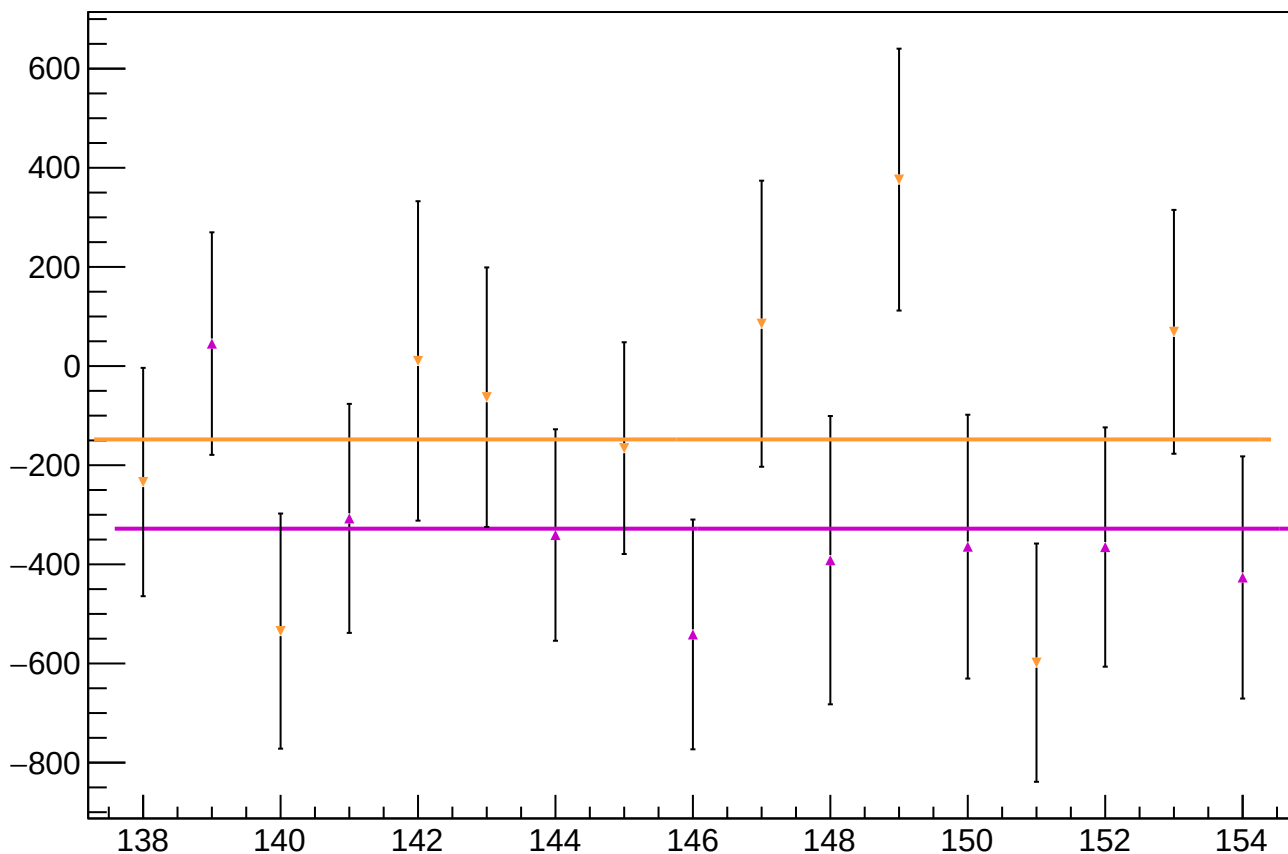
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 652.174+/-0.181 χ^2/NDF :239887.5/7

Out: 657.182+/-0.183 χ^2/NDF :195968.2/8

All: 654.649+/-0.129 χ^2/NDF : 436232.5/16

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -148.017+/-83.636 χ^2/NDF :12.0/8

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

Left In: -328.053+/-84.805 χ^2/NDF :3.9/7

Left: -236.786+/-59.549 χ^2/NDF : 18.2/16

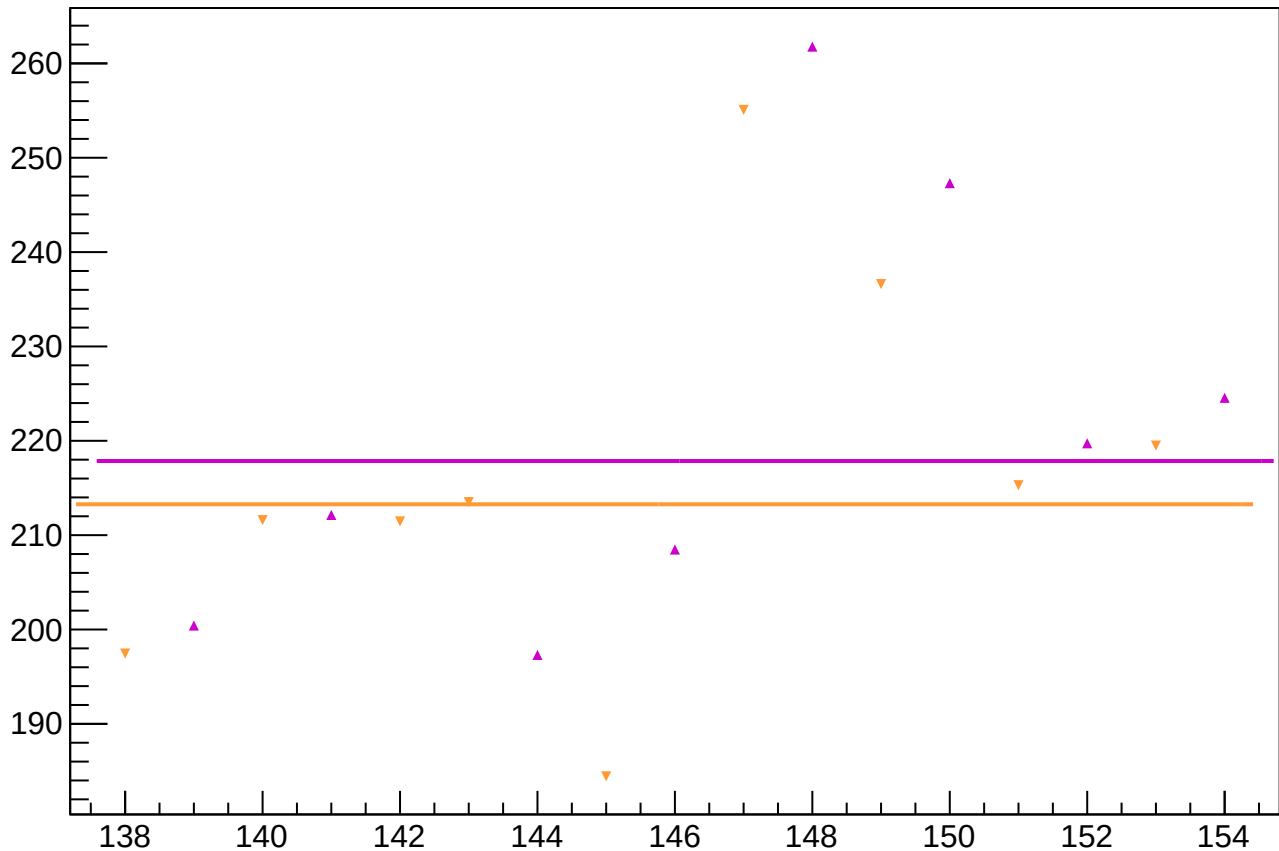
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -328.053+/-84.805 χ^2/NDF :3.9/7

Out: -148.017+/-83.636 χ^2/NDF :12.0/8

All: -236.786+/-59.549 χ^2/NDF : 18.2/16

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 213.271+/-0.059 χ^2/NDF :105064.9/8

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

Left In: 217.860+/-0.060 χ^2/NDF :106876.3/7

Left: 215.534+/-0.042 χ^2/NDF : 214909.3/16

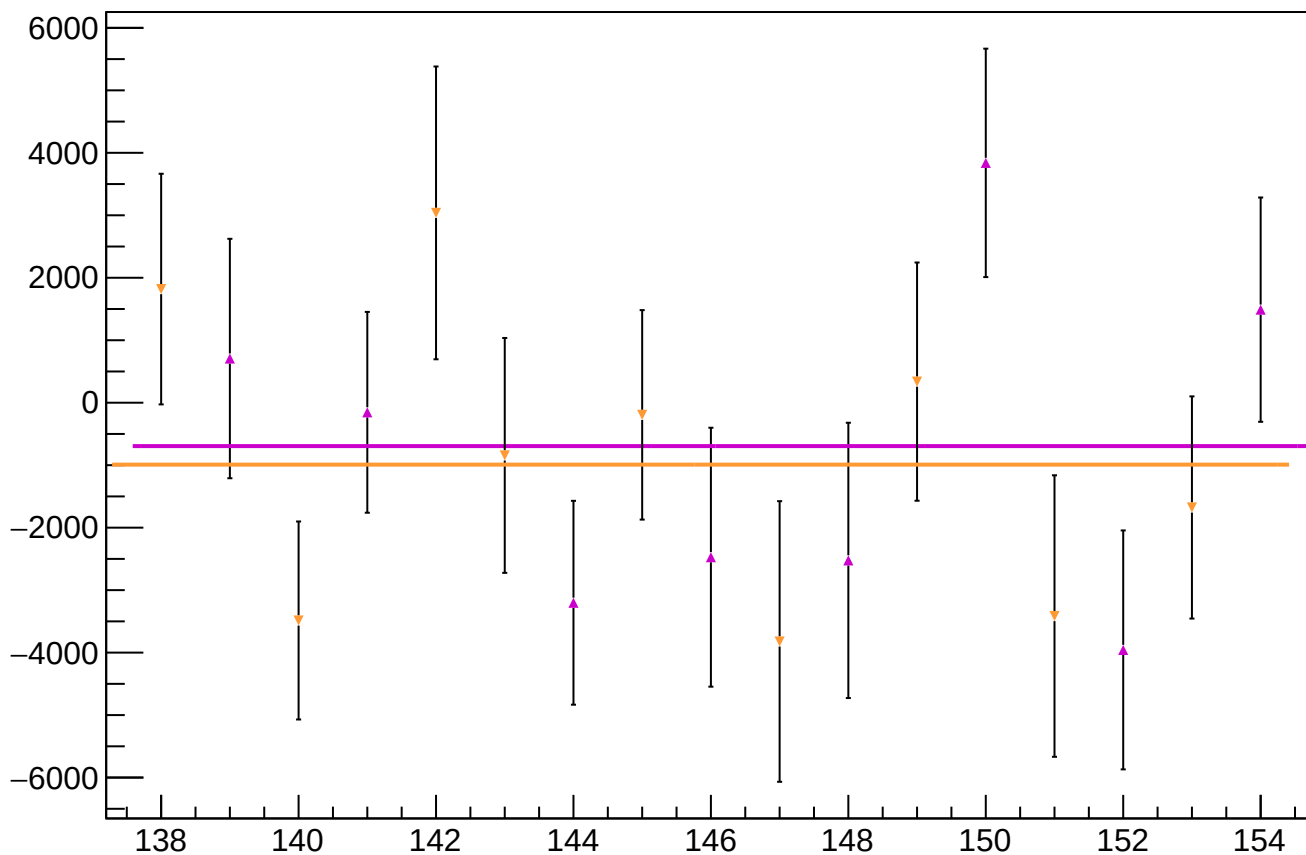
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 217.860+/-0.060 χ^2/NDF :106876.3/7

Out: 213.271+/-0.059 χ^2/NDF :105064.9/8

All: 215.534+/-0.042 χ^2/NDF : 214909.3/16

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -991.042+/-632.574 χ^2/NDF :11.4/8

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

Left In: -694.454+/-651.369 χ^2/NDF :15.0/7

Left: -847.089+/-453.796 χ^2/NDF : 26.4/16

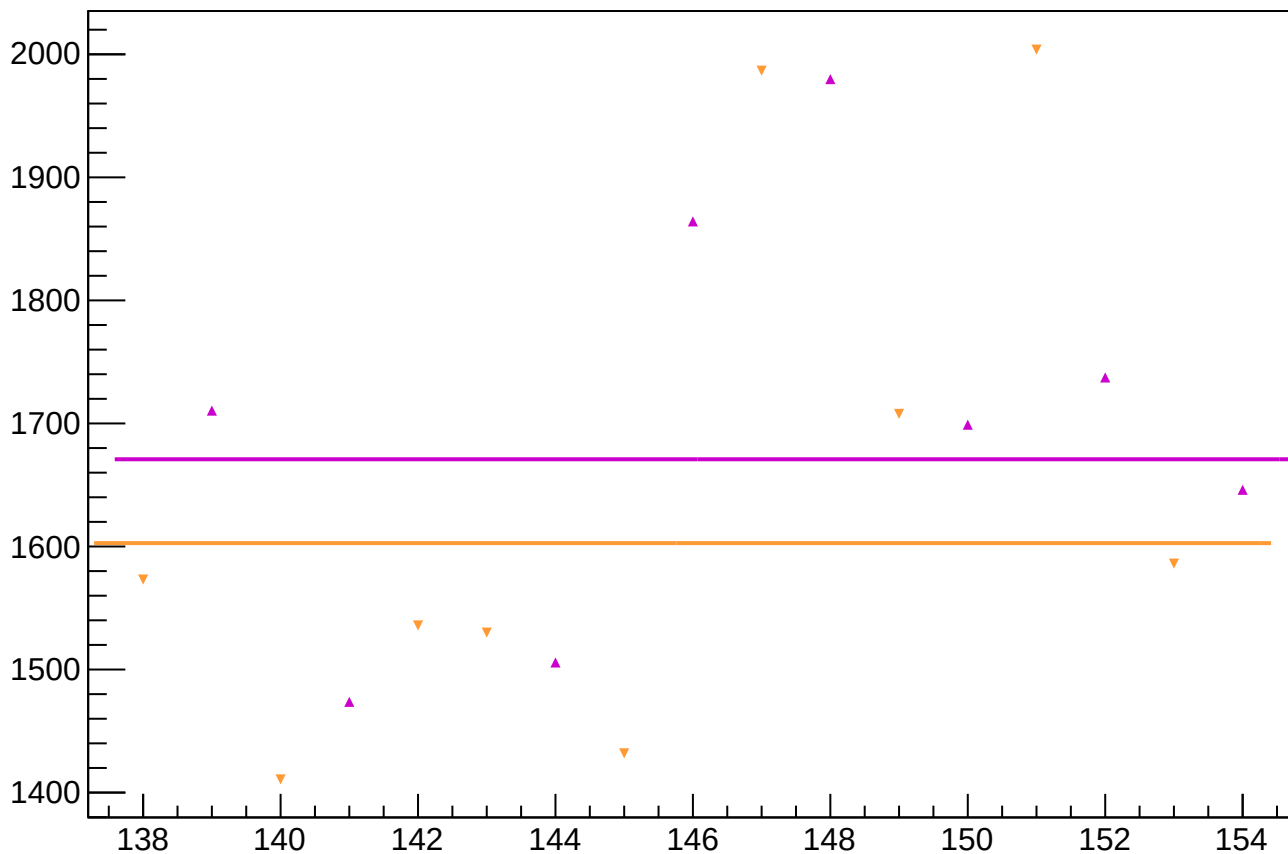
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -694.454+/-651.369 χ^2/NDF :15.0/7

Out: -991.042+/-632.574 χ^2/NDF :11.4/8

All: -847.089+/-453.796 χ^2/NDF : 26.4/16

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1602.746+/-0.447 χ^2/NDF :183350.7/8

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

Left In: 1670.882+/-0.461 χ^2/NDF :111443.5/7

Left: 1635.817+/-0.321 χ^2/NDF : 306056.4/16

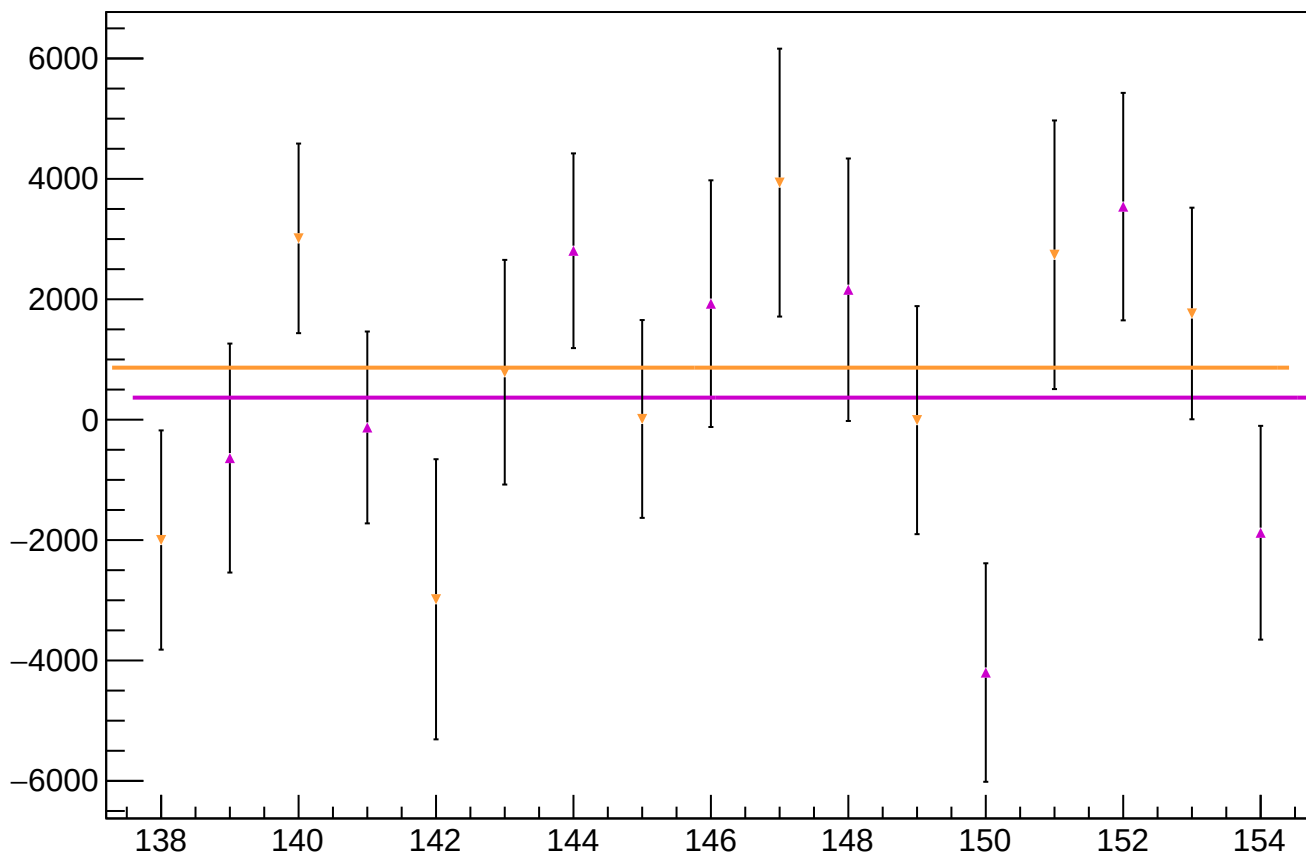
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1670.882+/-0.461 χ^2/NDF :111443.5/7

Out: 1602.746+/-0.447 χ^2/NDF :183350.7/8

All: 1635.817+/-0.321 χ^2/NDF : 306056.4/16

asym_sam_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 864.177+/-625.914 χ^2/NDF :10.4/8

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

Left In: 366.232+/-645.199 χ^2/NDF :14.7/7

Left: 622.758+/-449.251 χ^2/NDF : 25.4/16

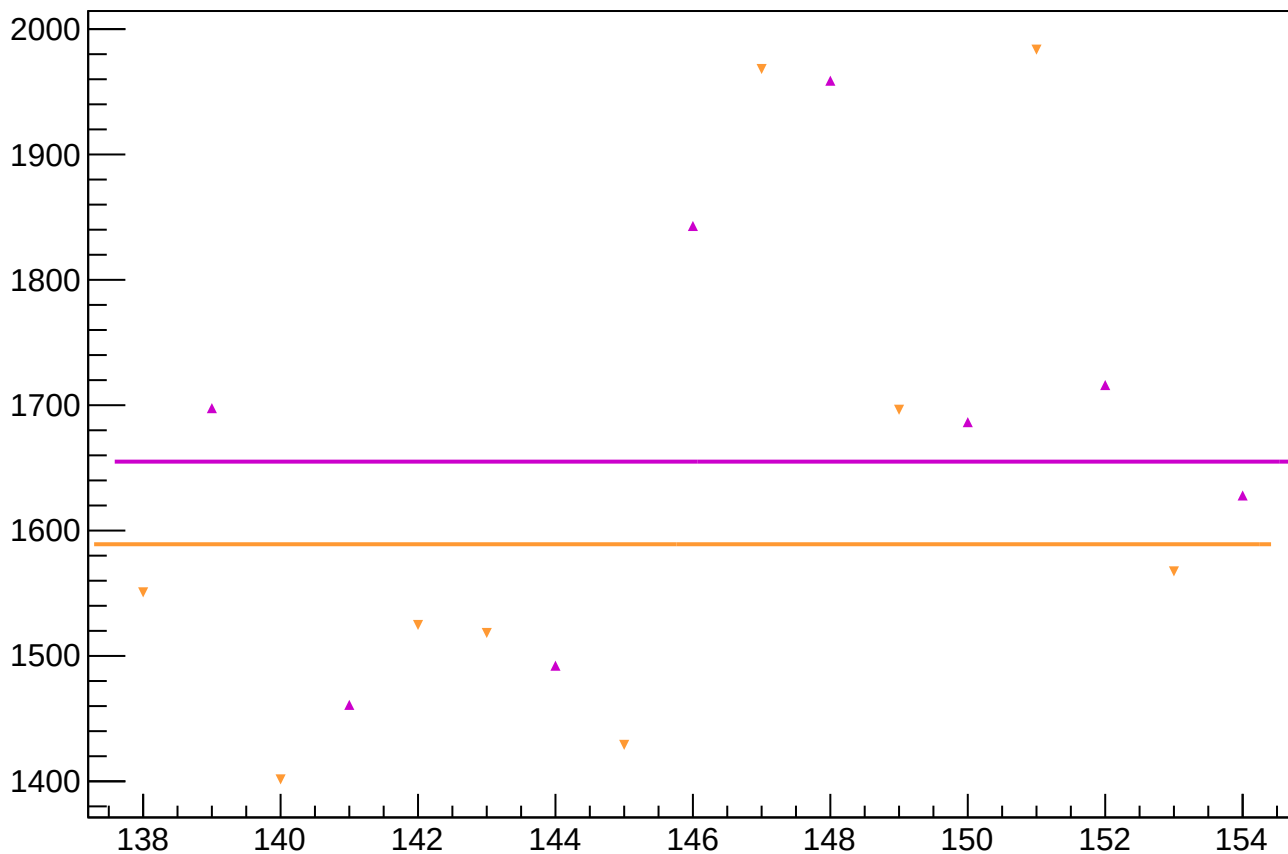
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 366.232+/-645.199 χ^2/NDF :14.7/7

Out: 864.177+/-625.914 χ^2/NDF :10.4/8

All: 622.758+/-449.251 χ^2/NDF : 25.4/16

asym_sam_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 1589.096+/-0.443 χ^2/NDF :179955.8/8

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

Left In: 1654.994+/-0.456 χ^2/NDF :109757.6/7

Left: 1621.045+/-0.318 χ^2/NDF : 300461.4/16

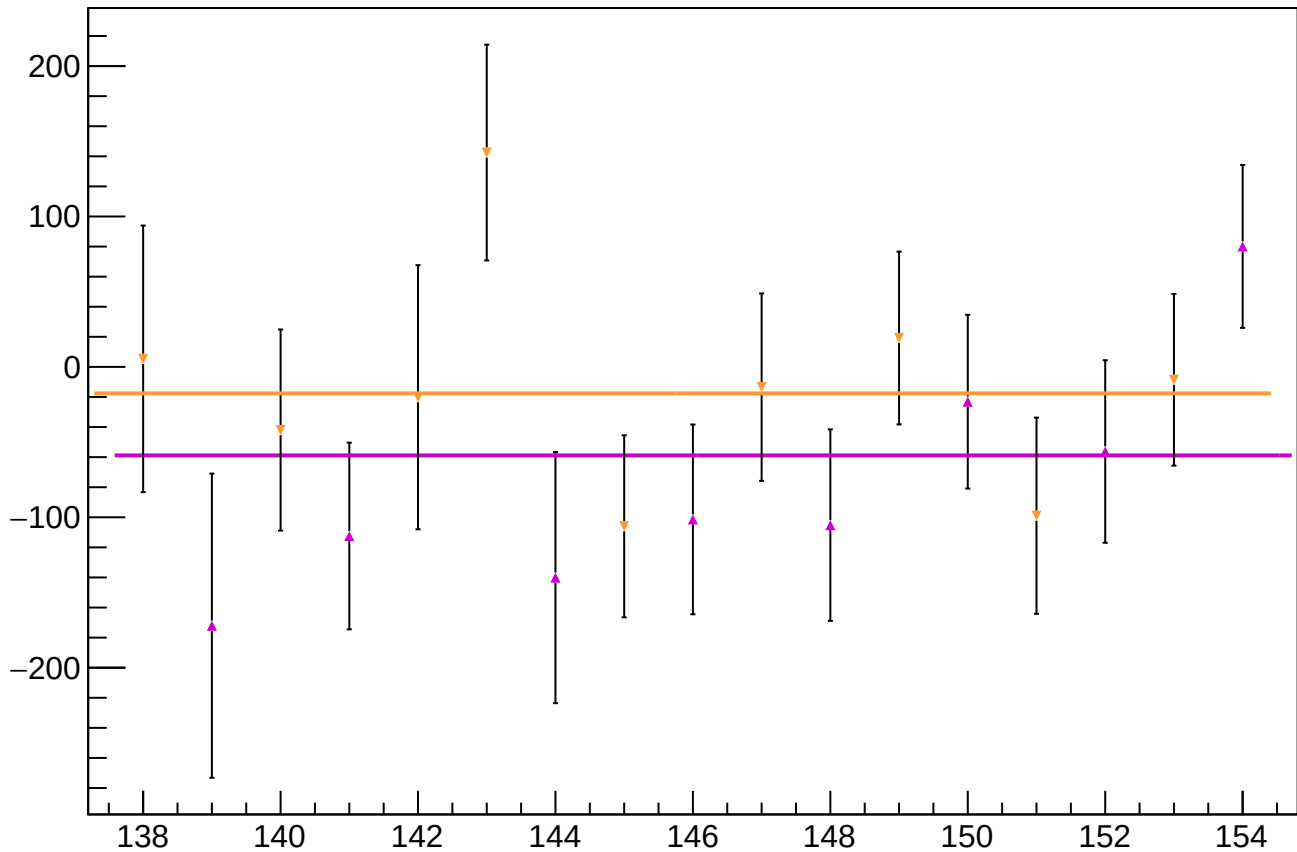
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1654.994+/-0.456 χ^2/NDF :109757.6/7

Out: 1589.096+/-0.443 χ^2/NDF :179955.8/8

All: 1621.045+/-0.318 χ^2/NDF : 300461.4/16

dit_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -17.606 ± 22.084 $\chi^2/\text{NDF}: 9.3/8$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -58.846 ± 22.878 $\chi^2/\text{NDF}: 10.9/7$

Left: -37.498 ± 15.889 $\chi^2/\text{NDF}: 21.9/16$

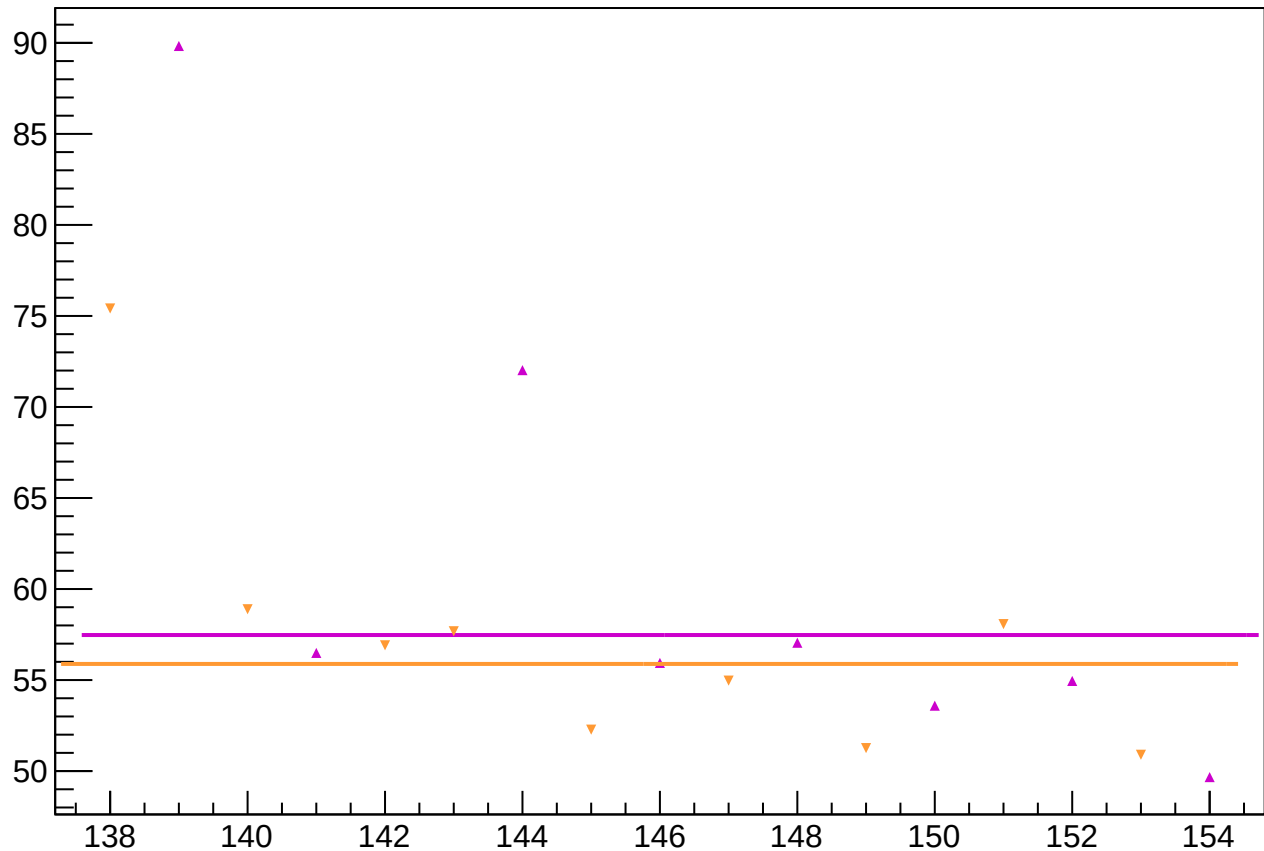
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -58.846 ± 22.878 $\chi^2/\text{NDF}: 10.9/7$

Out: -17.606 ± 22.084 $\chi^2/\text{NDF}: 9.3/8$

All: -37.498 ± 15.889 $\chi^2/\text{NDF}: 21.9/16$

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



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

Left Out: 55.885+/-0.016 χ^2/NDF :140674.6/8

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

Left In: 57.473+/-0.016 χ^2/NDF :321261.7/7

Left: 56.651+/-0.011 χ^2/NDF : 466924.5/16

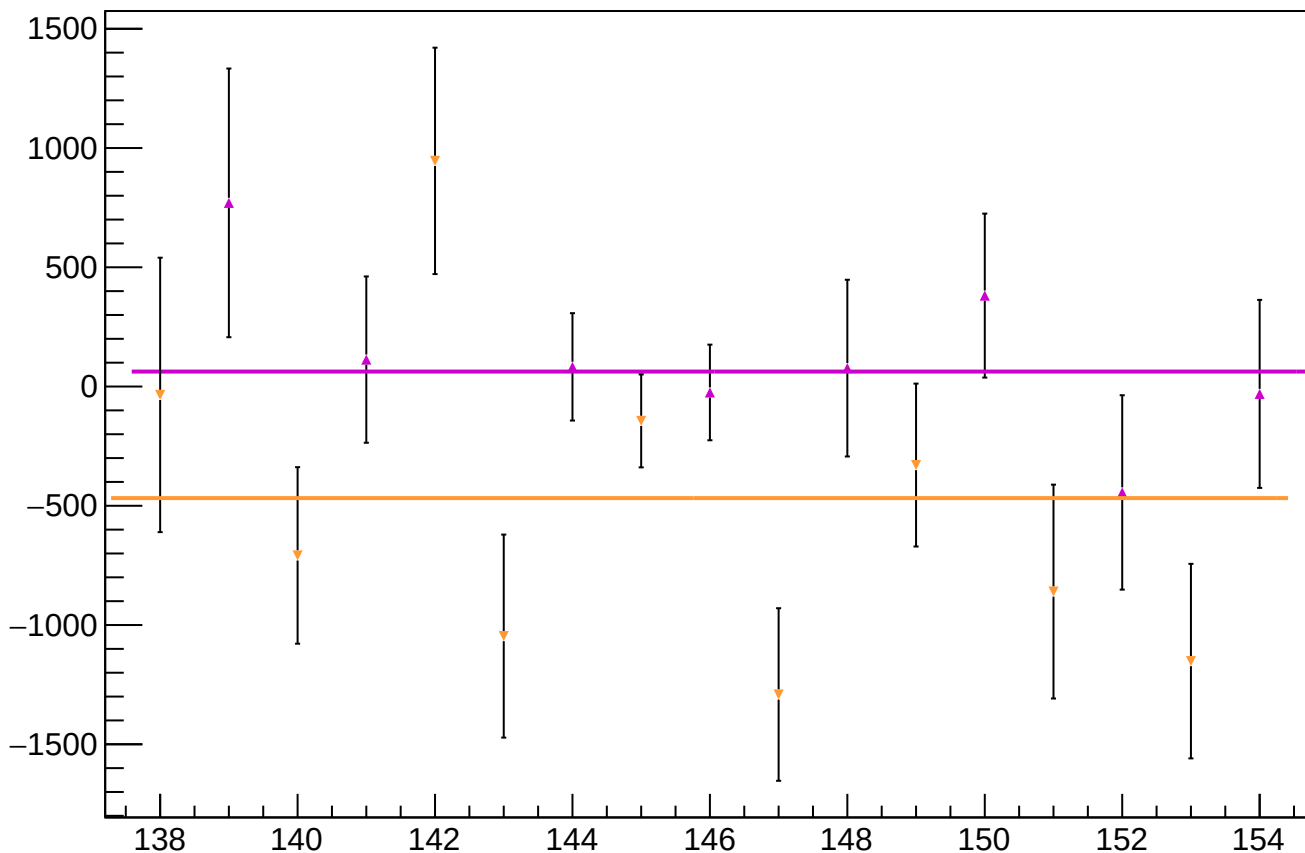
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 57.473+/-0.016 χ^2/NDF :321261.7/7

Out: 55.885+/-0.016 χ^2/NDF :140674.6/8

All: 56.651+/-0.011 χ^2/NDF : 466924.5/16

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -467.858 $\pm$ 116.394 χ^2 /NDF:23.4/8

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 62.731 $\pm$ 108.977 χ^2 /NDF:4.3/7

Left: -185.121 $\pm$ 79.551 χ^2 /NDF: 38.7/16

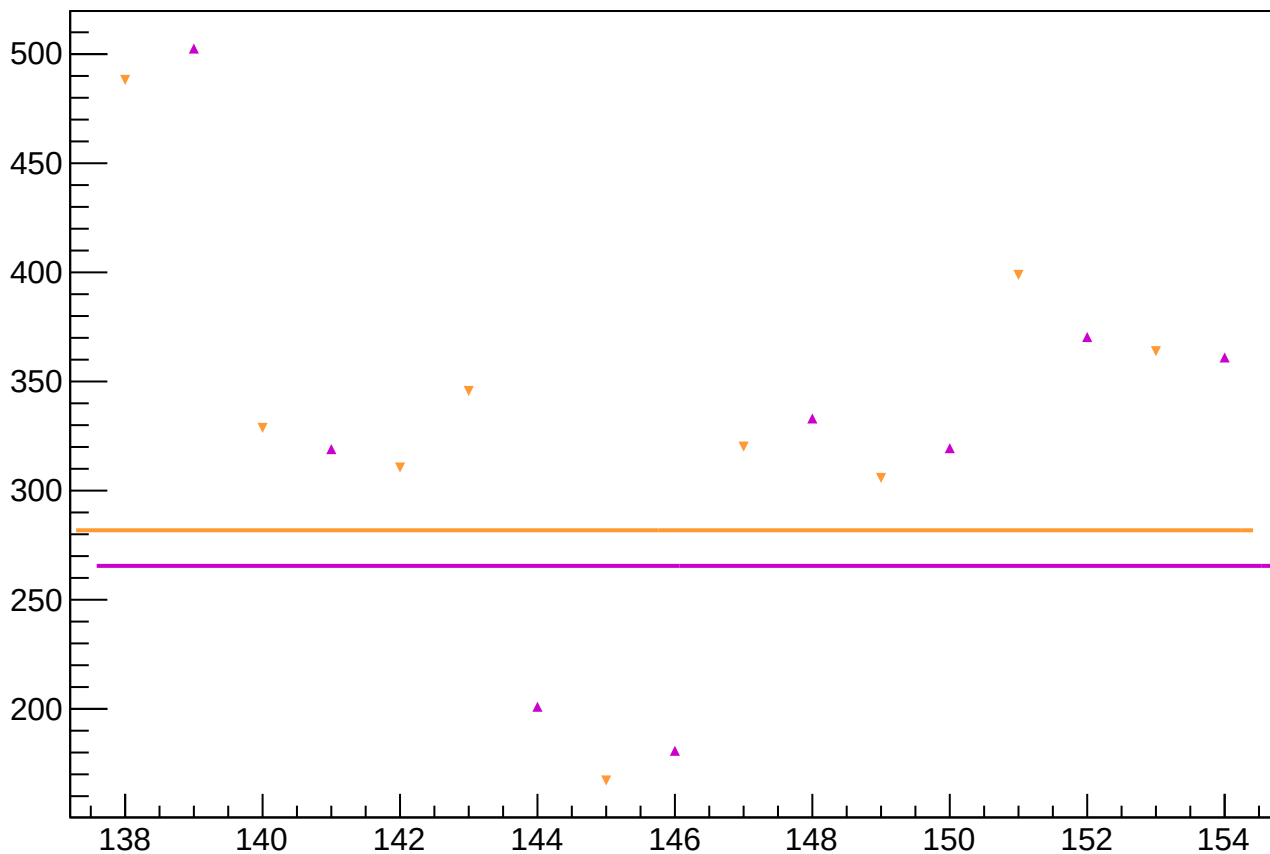
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 62.731 $\pm$ 108.977 χ^2 /NDF:4.3/7

Out: -467.858 $\pm$ 116.394 χ^2 /NDF:23.4/8

All: -185.121 $\pm$ 79.551 χ^2 /NDF: 38.7/16

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 281.829+/-0.082 χ^2/NDF :1283445.5/8

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

Left In: 265.524+/-0.077 χ^2/NDF :1288382.1/7

Left: 273.141+/-0.056 χ^2/NDF : 2592743.3/16

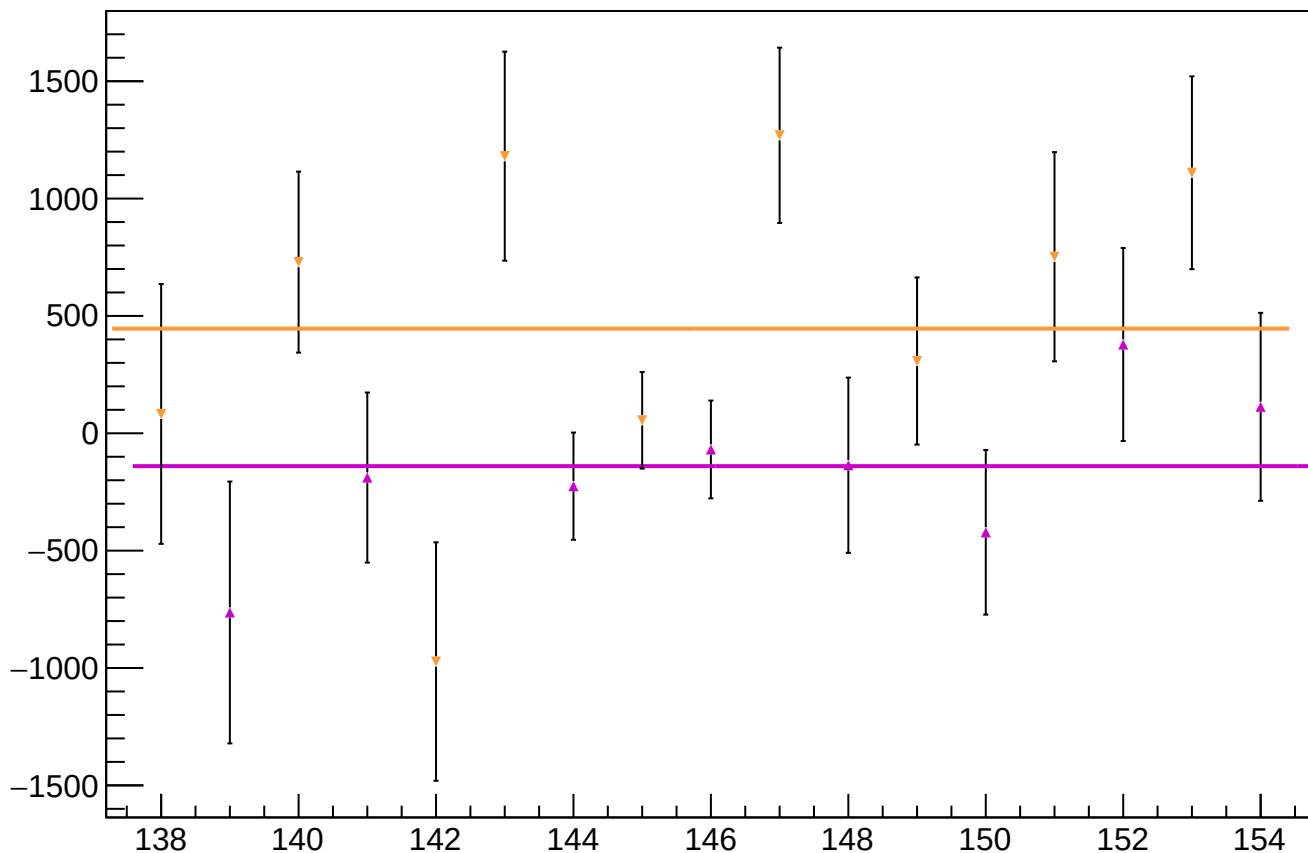
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 265.524+/-0.077 χ^2/NDF :1288382.1/7

Out: 281.829+/-0.082 χ^2/NDF :1283445.5/8

All: 273.141+/-0.056 χ^2/NDF : 2592743.3/16

asym_sam_37_dd_mean vs Slug, Sign Corrected



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

Left Out: 445.800+/-120.770 χ^2/NDF : 23.2/8

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

Left In: -139.924+/-111.450 χ^2/NDF : 4.2/7

Left: 129.469+/-81.904 χ^2/NDF : 40.1/16

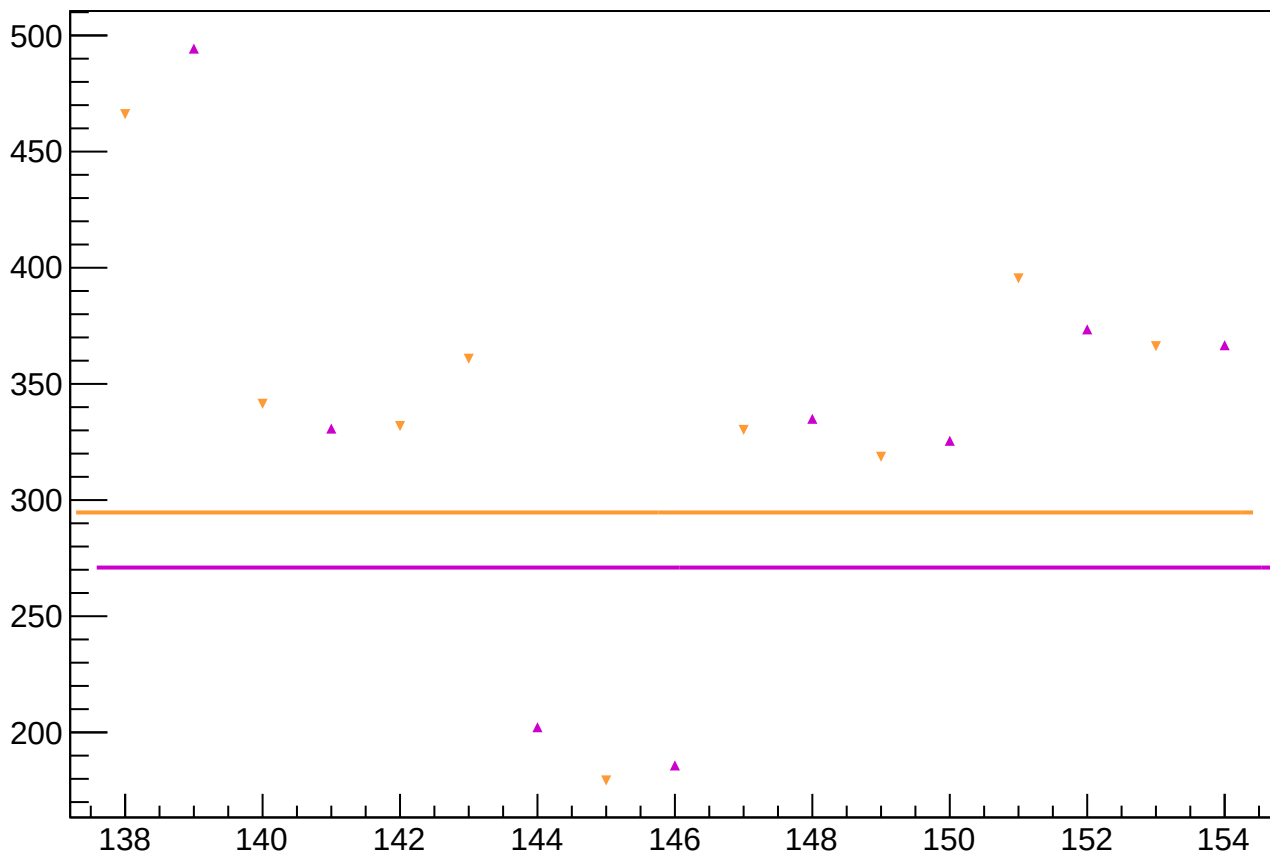
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -139.924+/-111.450 χ^2/NDF : 4.2/7

Out: 445.800+/-120.770 χ^2/NDF : 23.2/8

All: 129.469+/-81.904 χ^2/NDF : 40.1/16

asym_sam_37_dd_rms vs Slug, Sign Corrected



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

Left Out: 294.666+/-0.085 χ^2/NDF :1095448.2/8

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

Left In: 270.949+/-0.079 χ^2/NDF :1236774.3/7

Left: 281.857+/-0.058 χ^2/NDF : 2373878.4/16

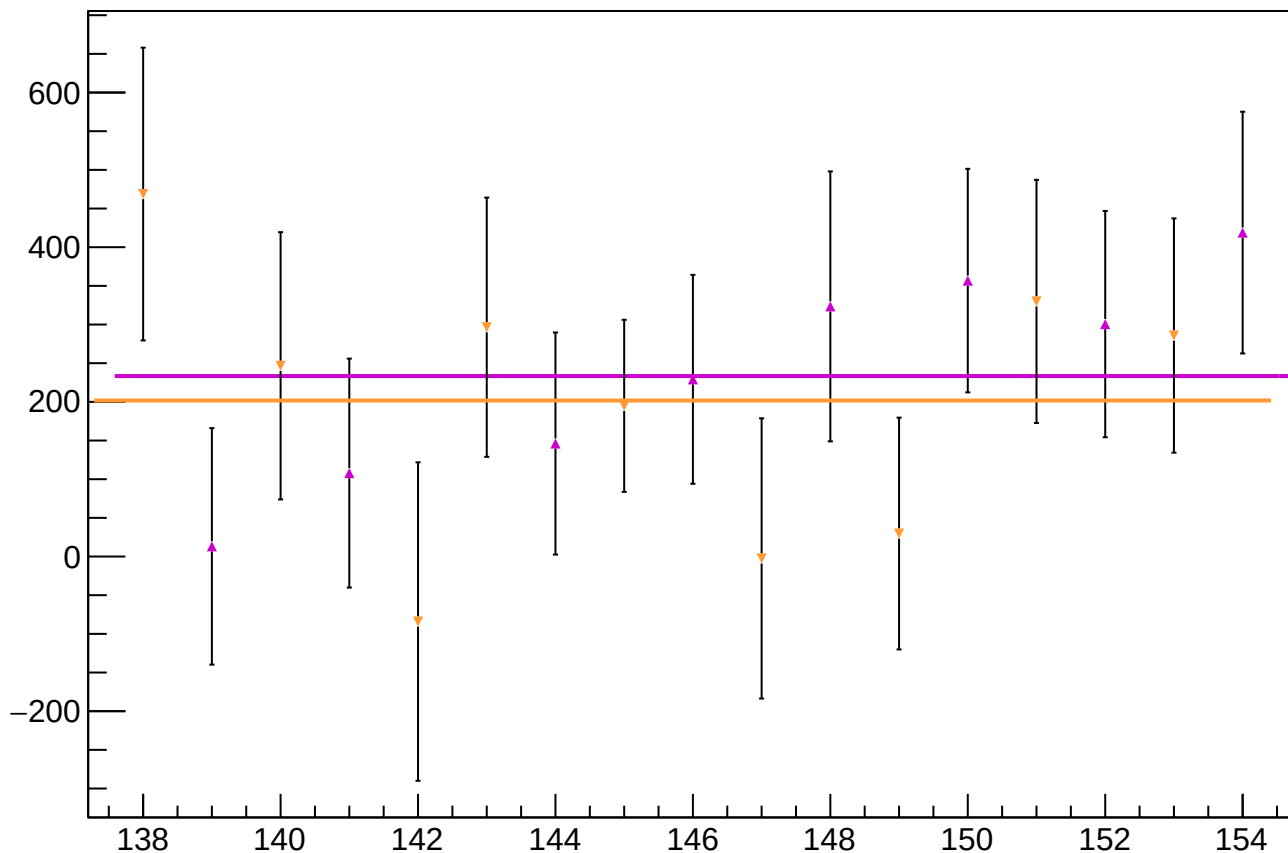
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 270.949+/-0.079 χ^2/NDF :1236774.3/7

Out: 294.666+/-0.085 χ^2/NDF :1095448.2/8

All: 281.857+/-0.058 χ^2/NDF : 2373878.4/16

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



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

Left Out: 201.735+/-52.677 χ^2/NDF : 7.9/8

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

Left In: 233.354+/-52.702 χ^2/NDF : 5.8/7

Left: 217.537+/-37.257 χ^2/NDF : 13.8/16

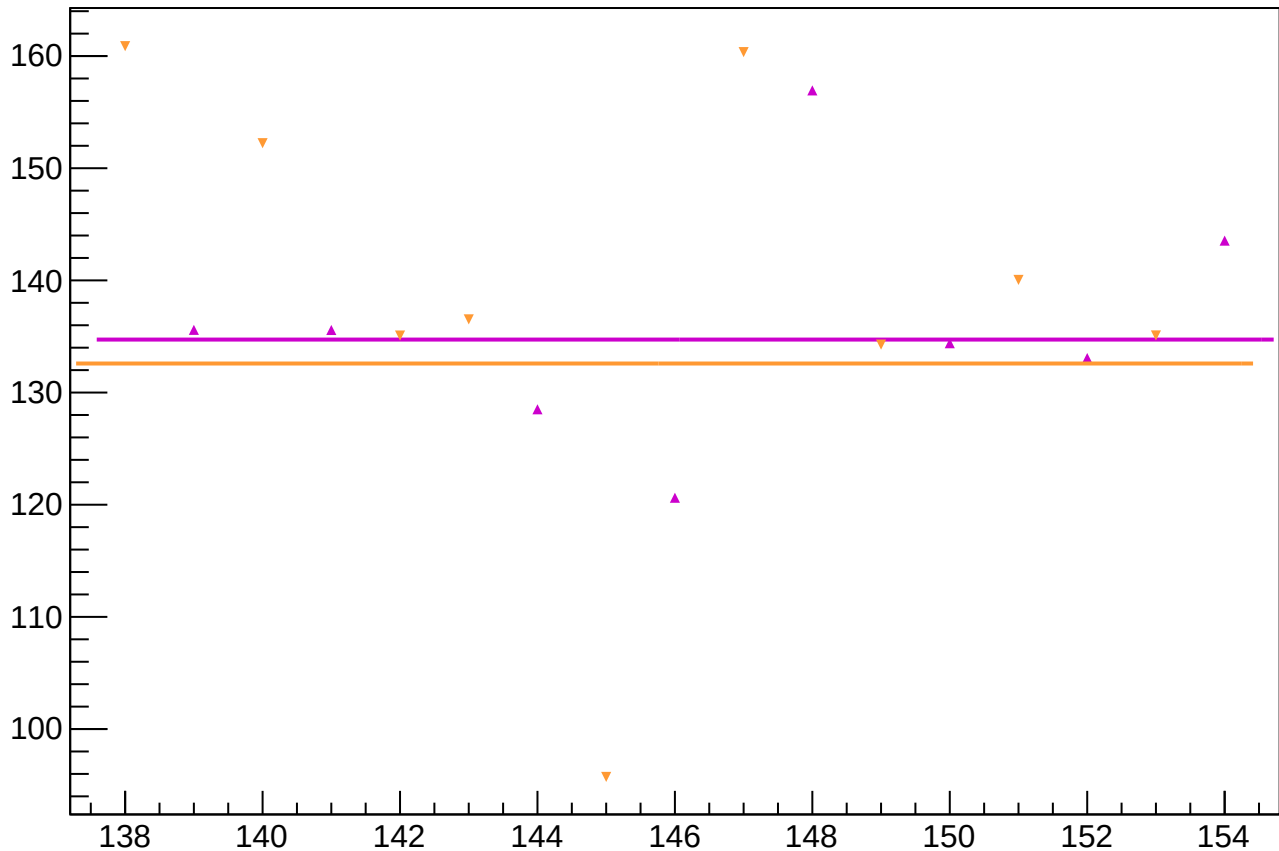
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 233.354+/-52.702 χ^2/NDF : 5.8/7

Out: 201.735+/-52.677 χ^2/NDF : 7.9/8

All: 217.537+/-37.257 χ^2/NDF : 13.8/16

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 132.589+/-0.037 χ^2/NDF :343635.6/8

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

Left In: 134.723+/-0.037 χ^2/NDF :64704.4/7

Left: 133.656+/-0.026 χ^2/NDF : 409981.2/16

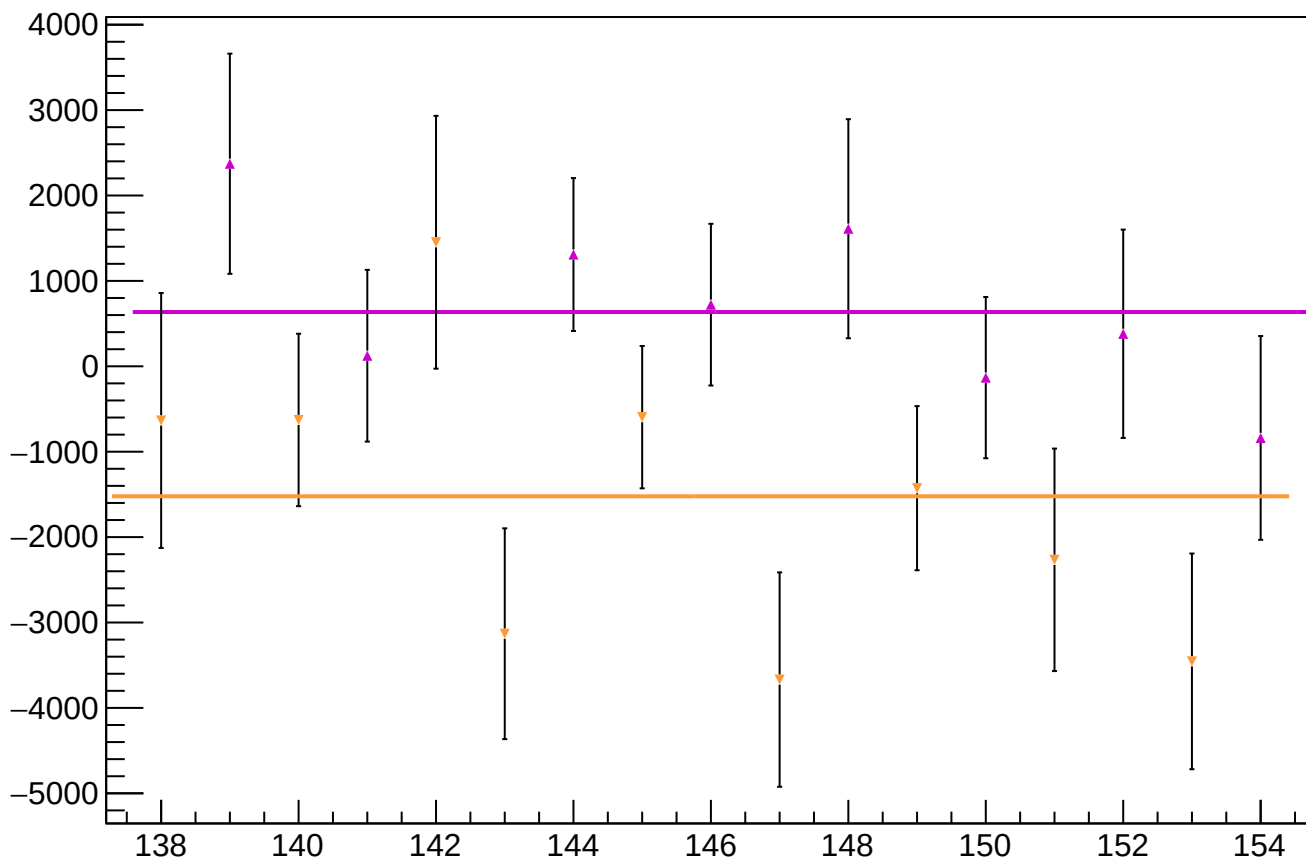
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 134.723+/-0.037 χ^2/NDF :64704.4/7

Out: 132.589+/-0.037 χ^2/NDF :343635.6/8

All: 133.656+/-0.026 χ^2/NDF : 409981.2/16

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -1521.988+/-380.229 χ^2/NDF :13.7/8

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

Left In: 635.502+/-376.383 χ^2/NDF :5.5/7

Left: -432.277+/-267.492 χ^2/NDF : 35.4/16

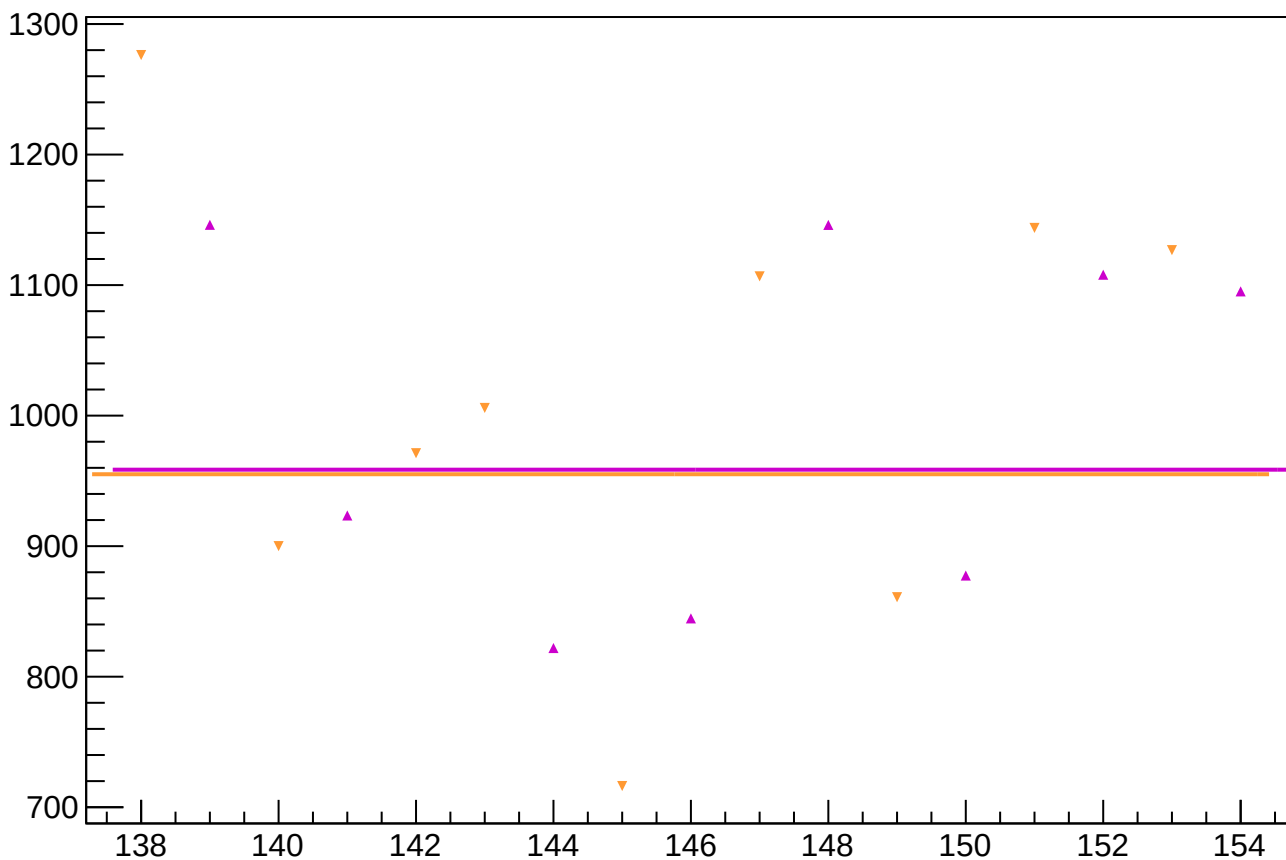
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 635.502+/-376.383 χ^2/NDF :5.5/7

Out: -1521.988+/-380.229 χ^2/NDF :13.7/8

All: -432.277+/-267.492 χ^2/NDF : 35.4/16

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 955.097+/-0.269 χ^2/NDF :393795.8/8

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

Left In: 958.587+/-0.266 χ^2/NDF :234072.9/7

Left: 956.860+/-0.189 χ^2/NDF : 627953.8/16

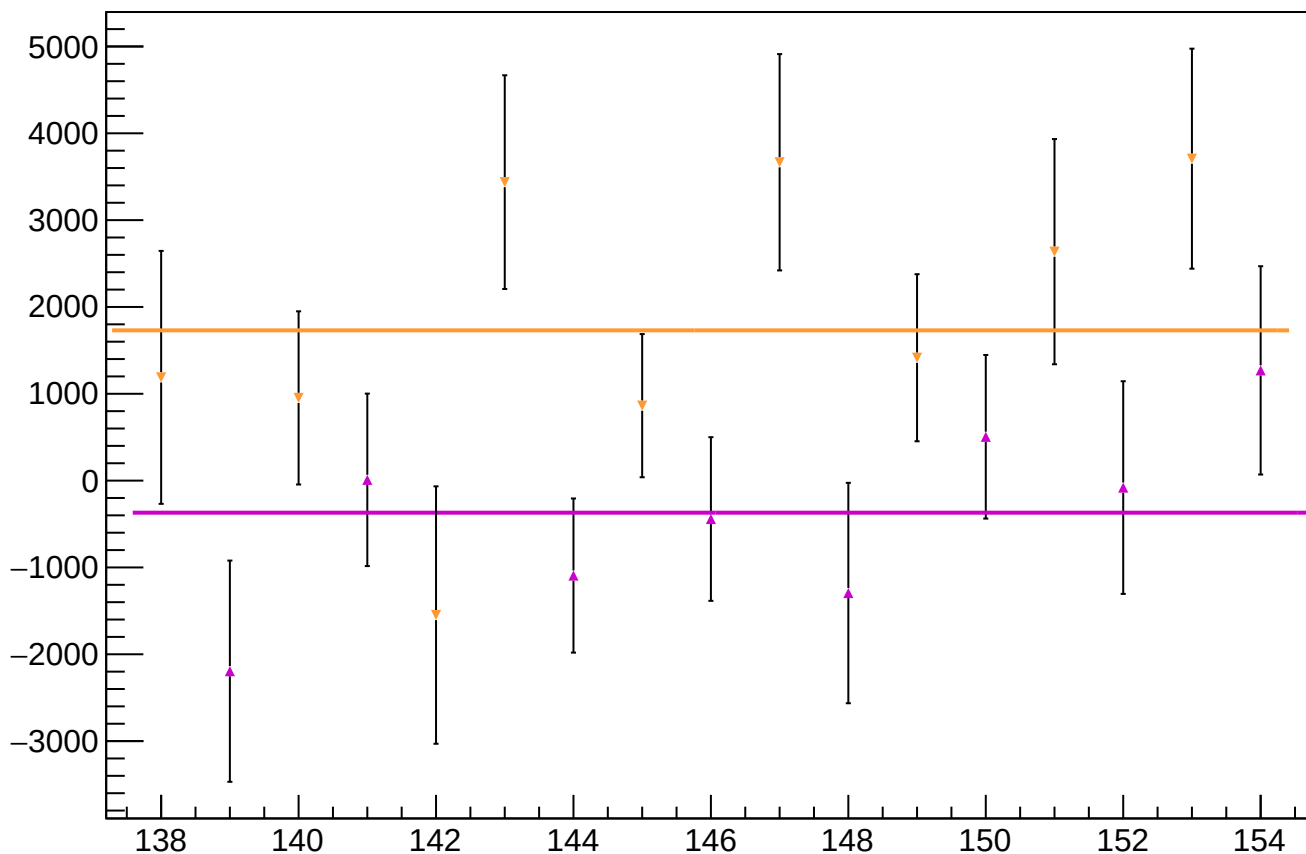
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 958.587+/-0.266 χ^2/NDF :234072.9/7

Out: 955.097+/-0.269 χ^2/NDF :393795.8/8

All: 956.860+/-0.189 χ^2/NDF : 627953.8/16

asym_sam_48_dd_mean vs Slug, Sign Corrected



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

Left Out: 1730.390+/-377.796 χ^2/NDF :14.1/8

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

Left In: -369.331+/-374.384 χ^2/NDF :6.2/7

Left: 671.005+/-265.928 χ^2/NDF : 35.9/16

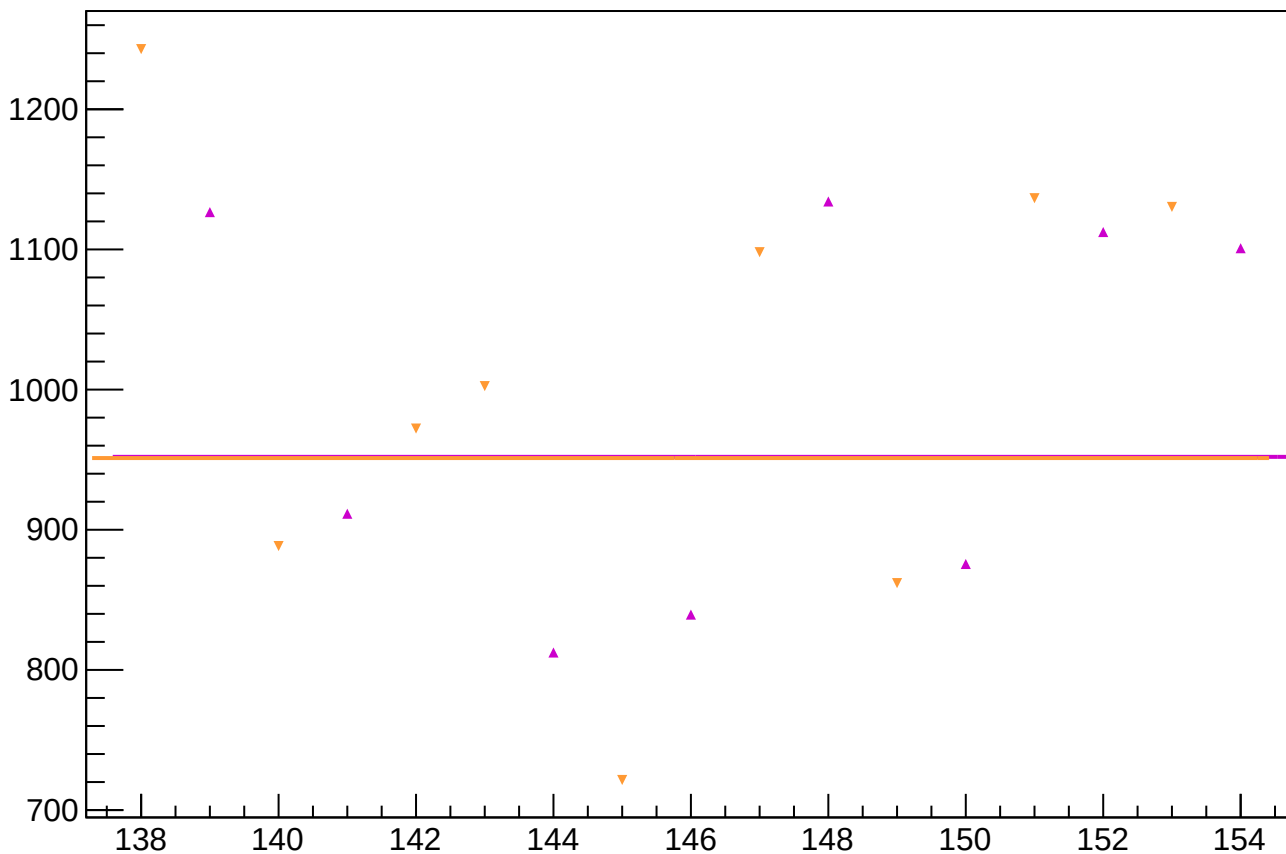
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -369.331+/-374.384 χ^2/NDF :6.2/7

Out: 1730.390+/-377.796 χ^2/NDF :14.1/8

All: 671.005+/-265.928 χ^2/NDF : 35.9/16

asym_sam_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 951.154+/-0.267 χ^2/NDF : 373201.9/8

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

Left In: 952.018+/-0.265 χ^2/NDF : 238394.8/7

Left: 951.590+/-0.188 χ^2/NDF : 611602.0/16

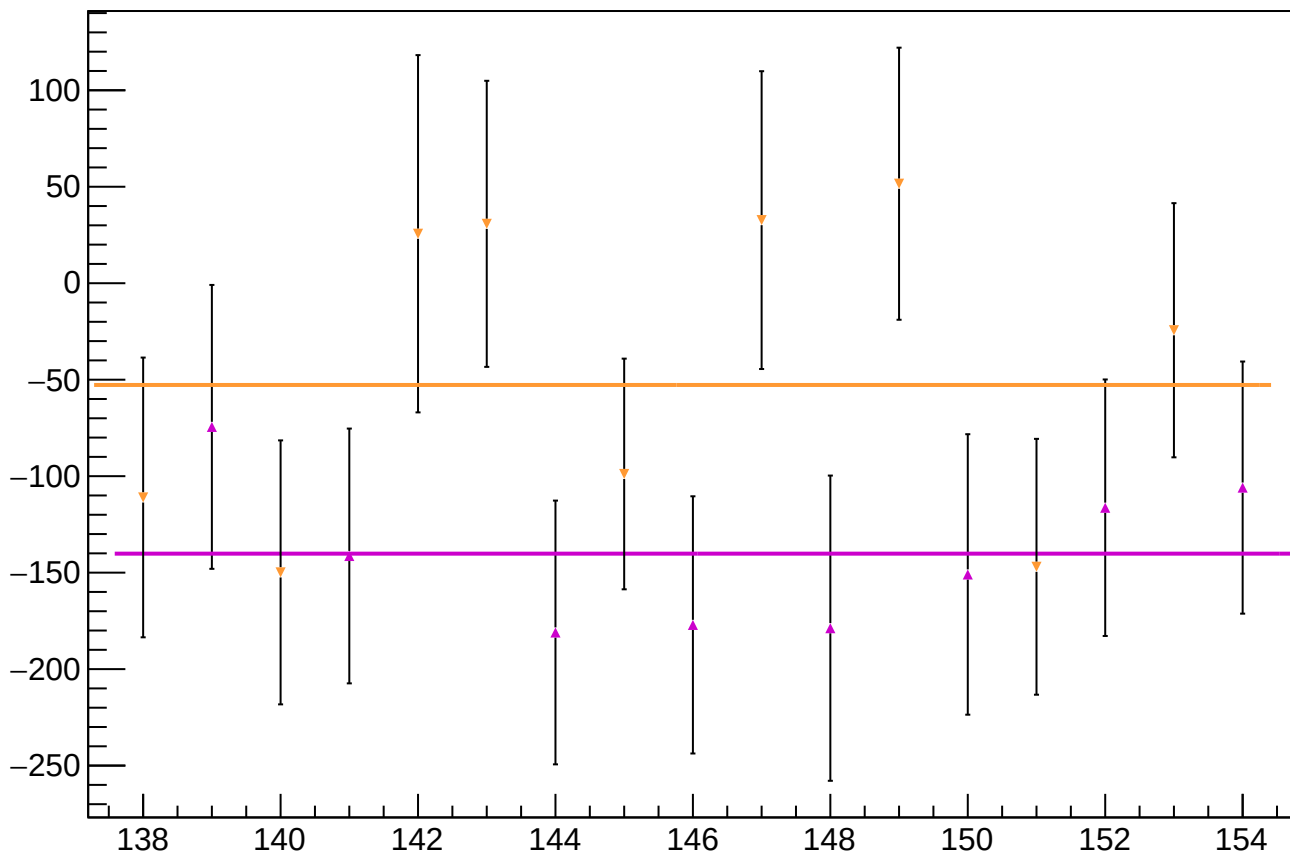
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 952.018+/-0.265 χ^2/NDF : 238394.8/7

Out: 951.154+/-0.267 χ^2/NDF : 373201.9/8

All: 951.590+/-0.188 χ^2/NDF : 611602.0/16

dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



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

Left Out: -52.731+/-23.508 χ^2/NDF :10.9/8

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

Left In: -140.157+/-24.522 χ^2/NDF :2.1/7

Left: -94.599+/-16.970 χ^2/NDF : 19.6/16

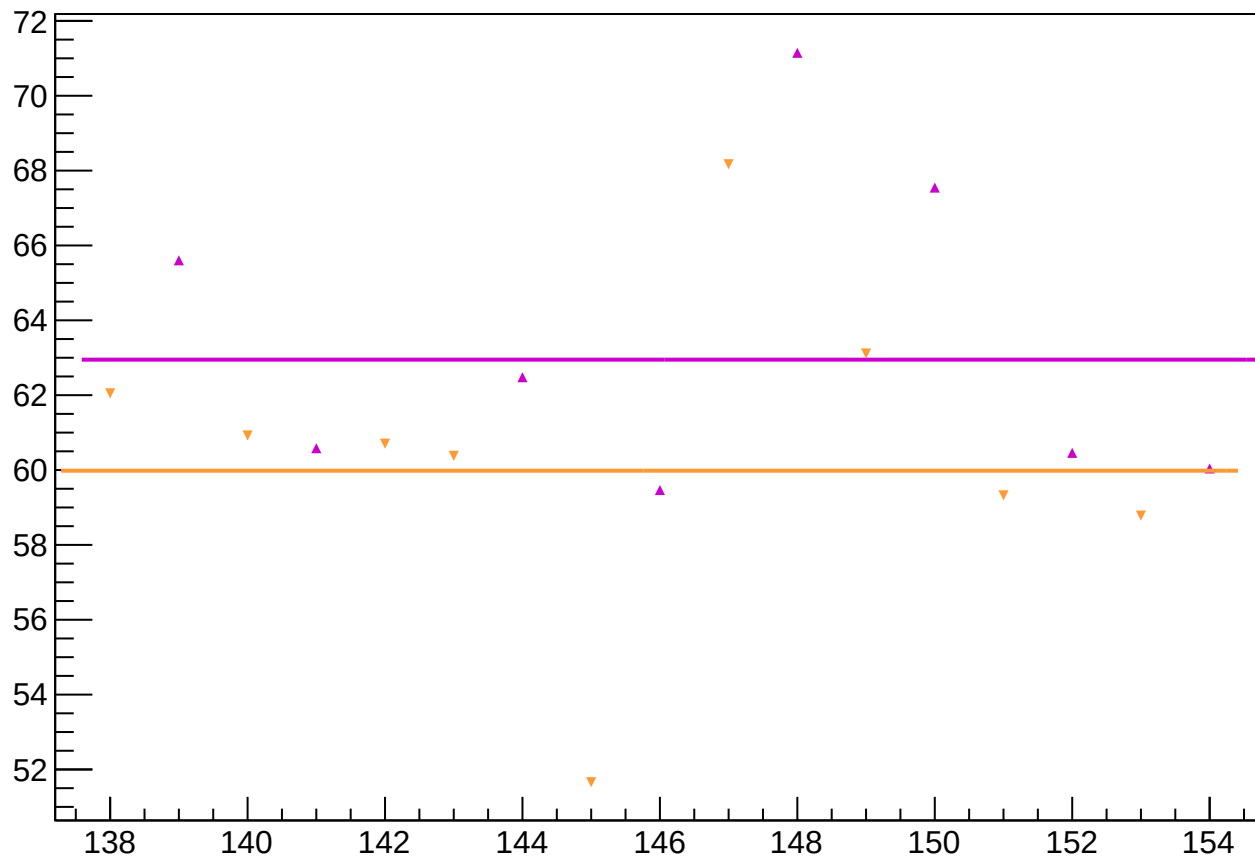
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -140.157+/-24.522 χ^2/NDF :2.1/7

Out: -52.731+/-23.508 χ^2/NDF :10.9/8

All: -94.599+/-16.970 χ^2/NDF : 19.6/16

dit_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



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

Left Out: 59.982+/-0.017 χ^2/NDF : 68275.6/8

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

Left In: 62.949+/-0.017 χ^2/NDF : 46986.7/7

Left: 61.403+/-0.012 χ^2/NDF : 130516.1/16

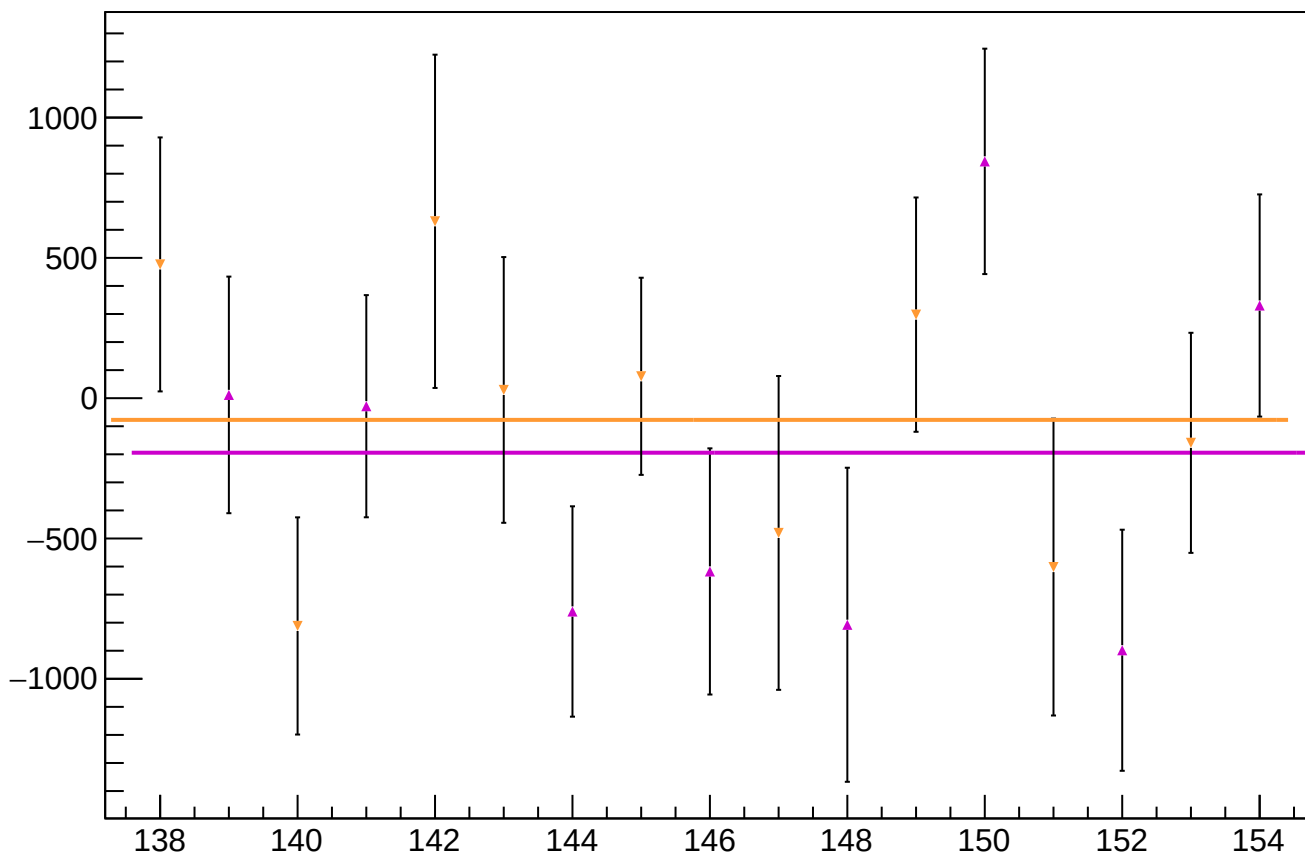
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 62.949+/-0.017 χ^2/NDF : 46986.7/7

Out: 59.982+/-0.017 χ^2/NDF : 68275.6/8

All: 61.403+/-0.012 χ^2/NDF : 130516.1/16

asym_sam_13_57_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -77.304+/-147.488 χ^2/NDF : 9.1/8

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

Left In: -194.305+/-148.229 χ^2/NDF : 15.9/7

Left: -135.511+/-104.551 χ^2/NDF : 25.4/16

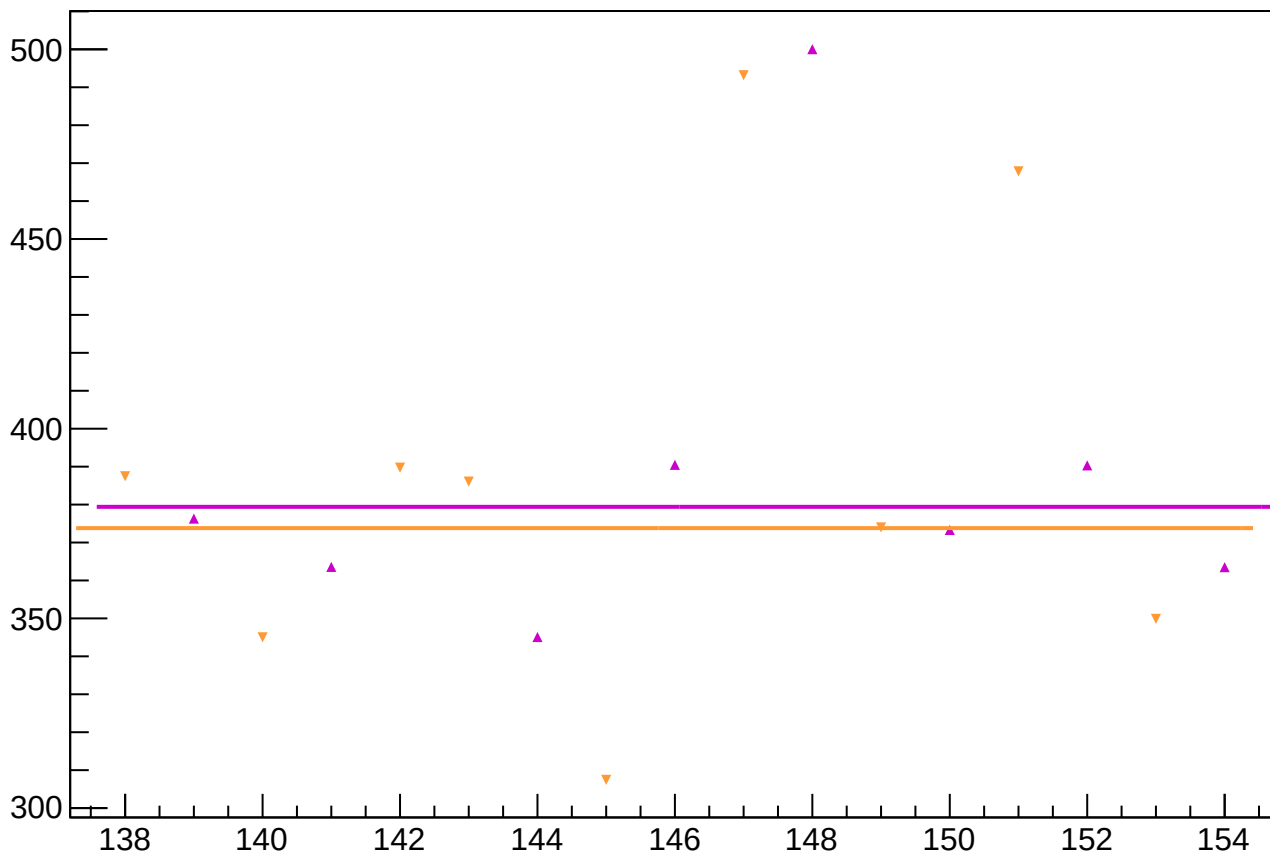
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -194.305+/-148.229 χ^2/NDF : 15.9/7

Out: -77.304+/-147.488 χ^2/NDF : 9.1/8

All: -135.511+/-104.551 χ^2/NDF : 25.4/16

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 373.797+/-0.104 χ^2/NDF :248816.9/8

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

Left In: 379.409+/-0.105 χ^2/NDF :119263.0/7

Left: 376.589+/-0.074 χ^2/NDF : 369520.6/16

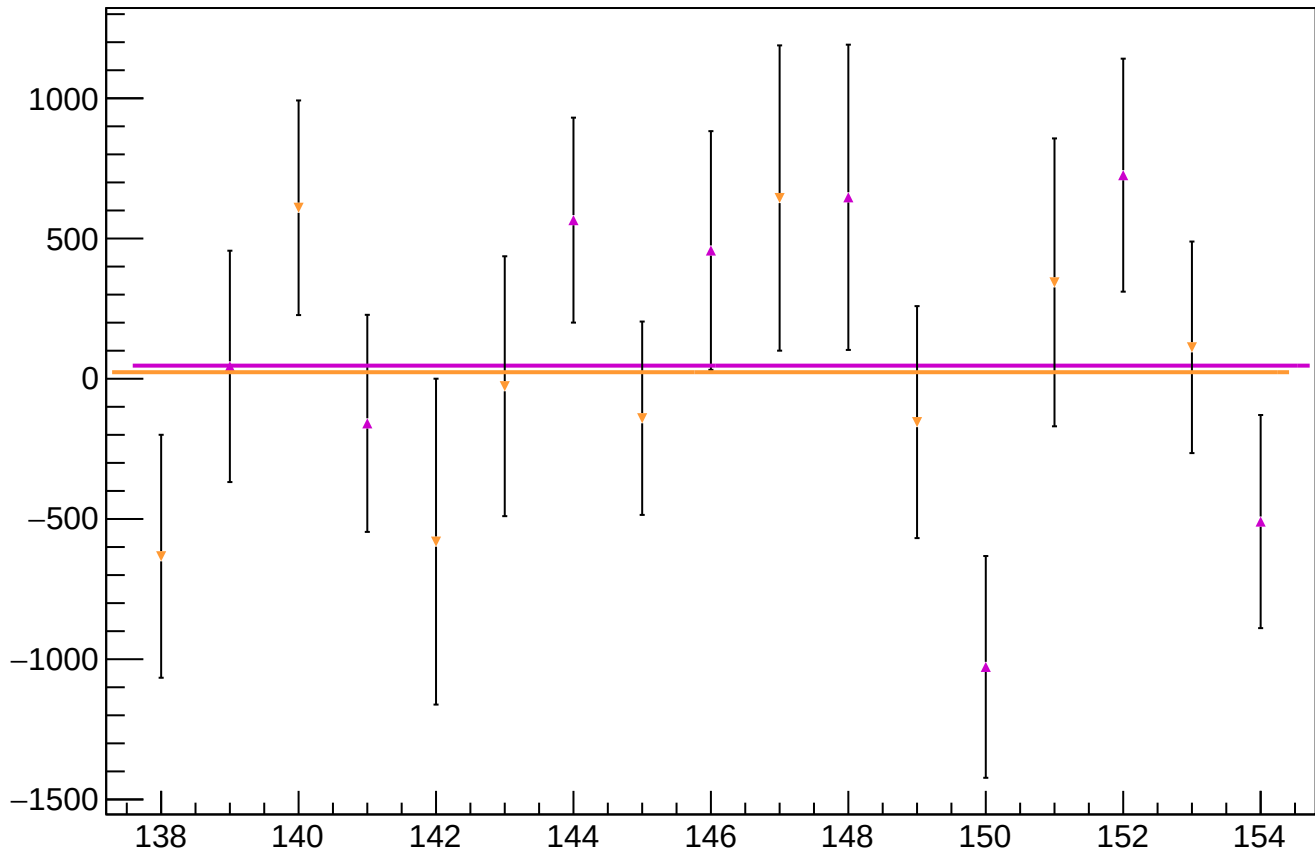
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 379.409+/-0.105 χ^2/NDF :119263.0/7

Out: 373.797+/-0.104 χ^2/NDF :248816.9/8

All: 376.589+/-0.074 χ^2/NDF : 369520.6/16

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



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

Left Out: 23.334+/-143.969 χ^2/NDF : 7.9/8

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

Left In: 46.791+/-144.243 χ^2/NDF : 16.6/7

Left: 35.040+/-101.898 χ^2/NDF : 24.6/16

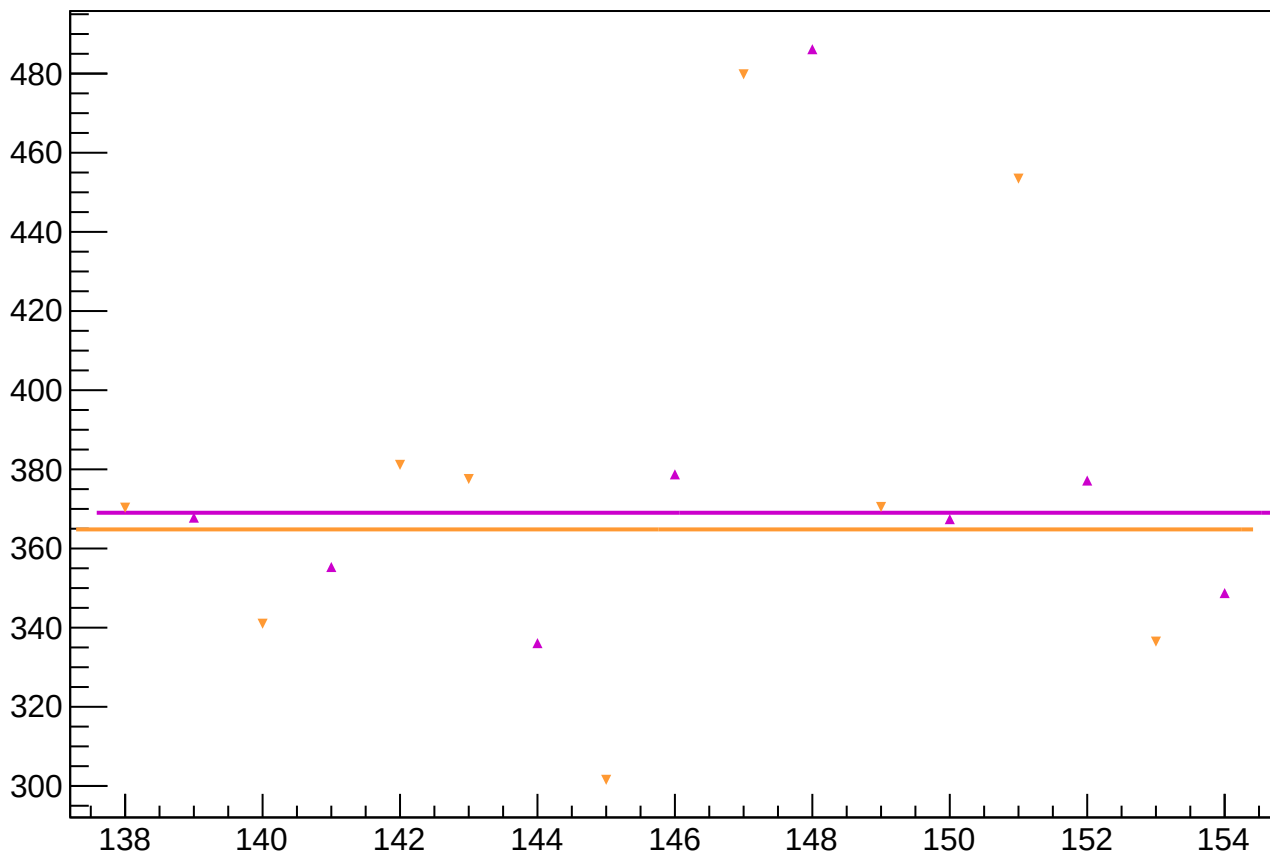
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 46.791+/-144.243 χ^2/NDF : 16.6/7

Out: 23.334+/-143.969 χ^2/NDF : 7.9/8

All: 35.040+/-101.898 χ^2/NDF : 24.6/16

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



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

Left Out: 364.825+/-0.102 χ^2/NDF :239151.9/8

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

Left In: 369.032+/-0.102 χ^2/NDF :118976.6/7

Left: 366.925+/-0.072 χ^2/NDF : 358980.6/16

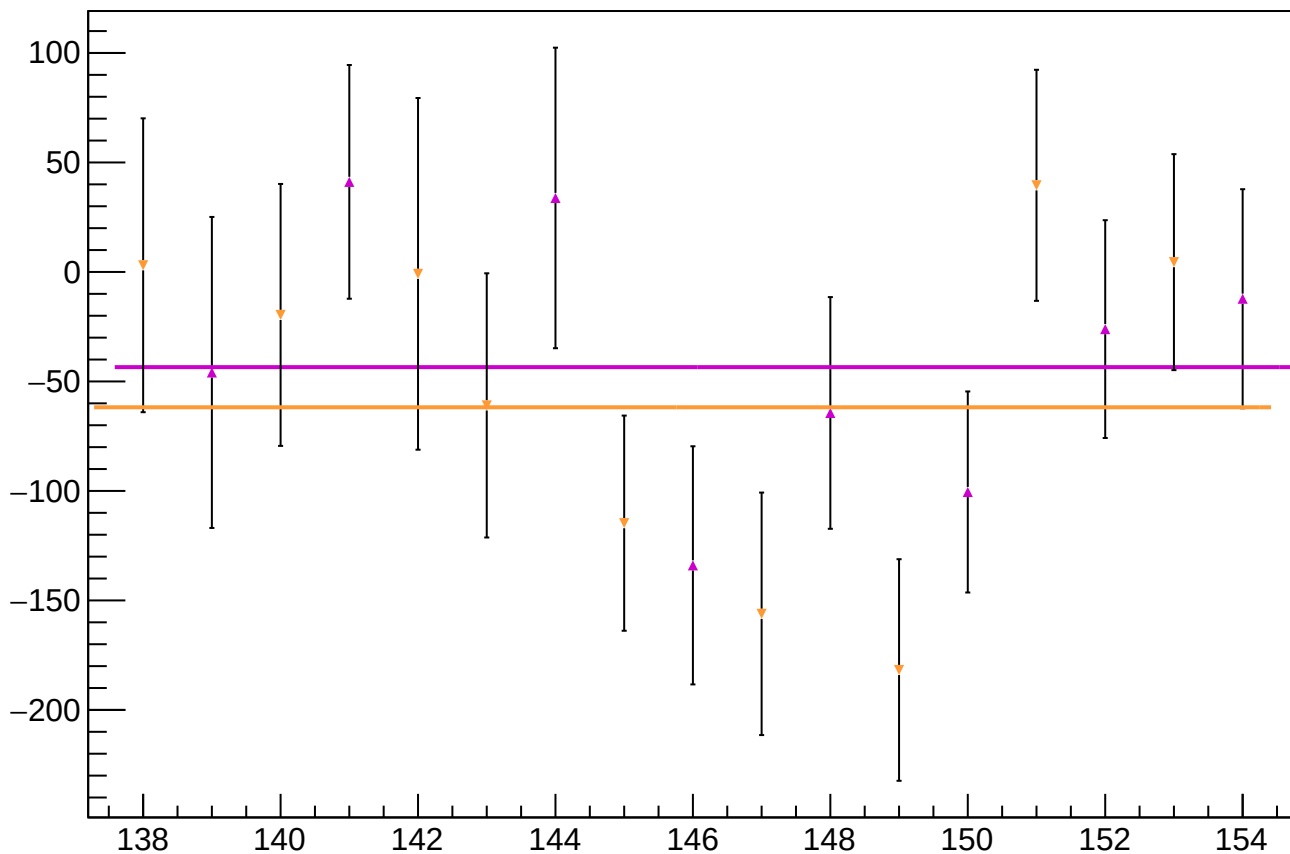
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 369.032+/-0.102 χ^2/NDF :118976.6/7

Out: 364.825+/-0.102 χ^2/NDF :239151.9/8

All: 366.925+/-0.072 χ^2/NDF : 358980.6/16

dit_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



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

Left Out: -61.797+/-18.787 χ^2/NDF :17.2/8

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

Left In: -43.464+/-19.119 χ^2/NDF :8.8/7

Left: -52.791+/-13.400 χ^2/NDF : 26.4/16

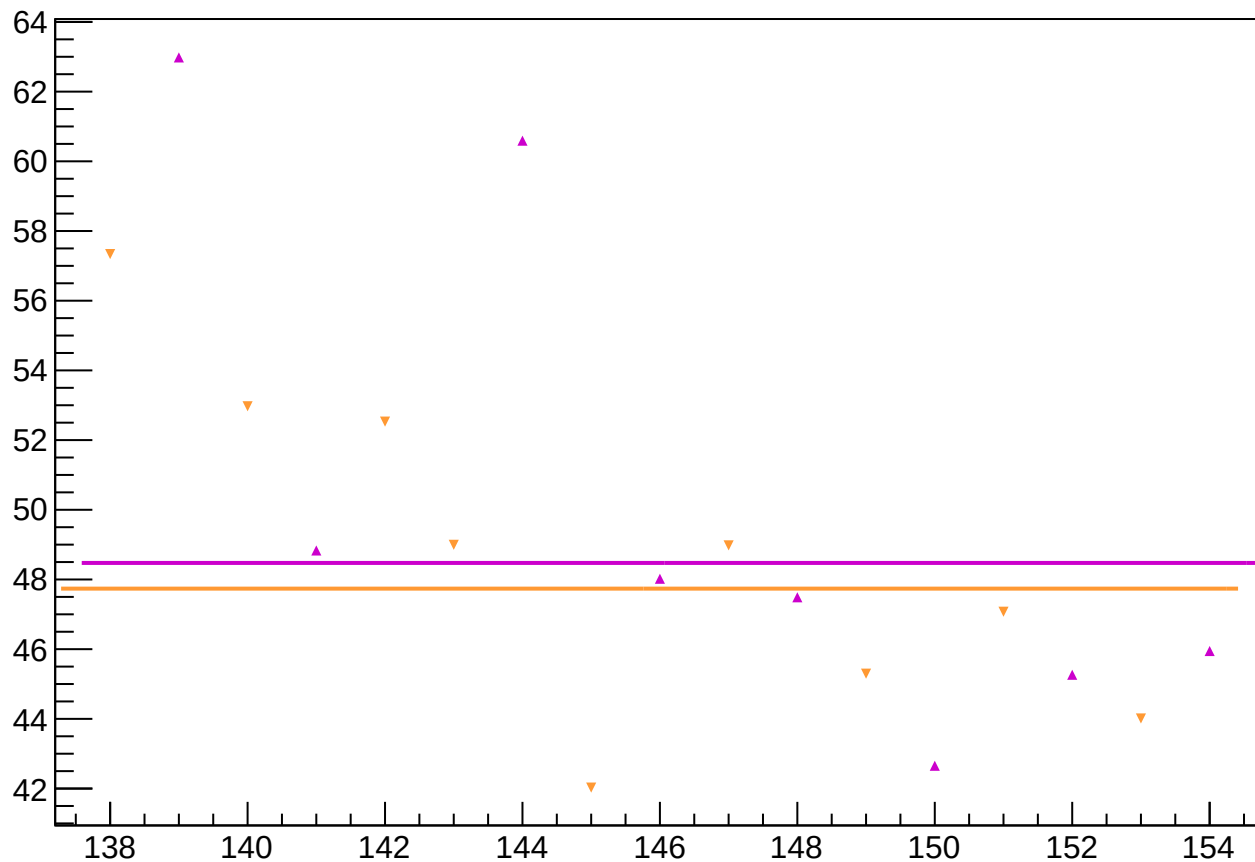
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -43.464+/-19.119 χ^2/NDF :8.8/7

Out: -61.797+/-18.787 χ^2/NDF :17.2/8

All: -52.791+/-13.400 χ^2/NDF : 26.4/16

dit_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



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

Left Out: 47.738+/-0.013 χ^2/NDF :108654.9/8

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

Left In: 48.475+/-0.014 χ^2/NDF :192322.8/7

Left: 48.100+/-0.009 χ^2/NDF : 302490.8/16

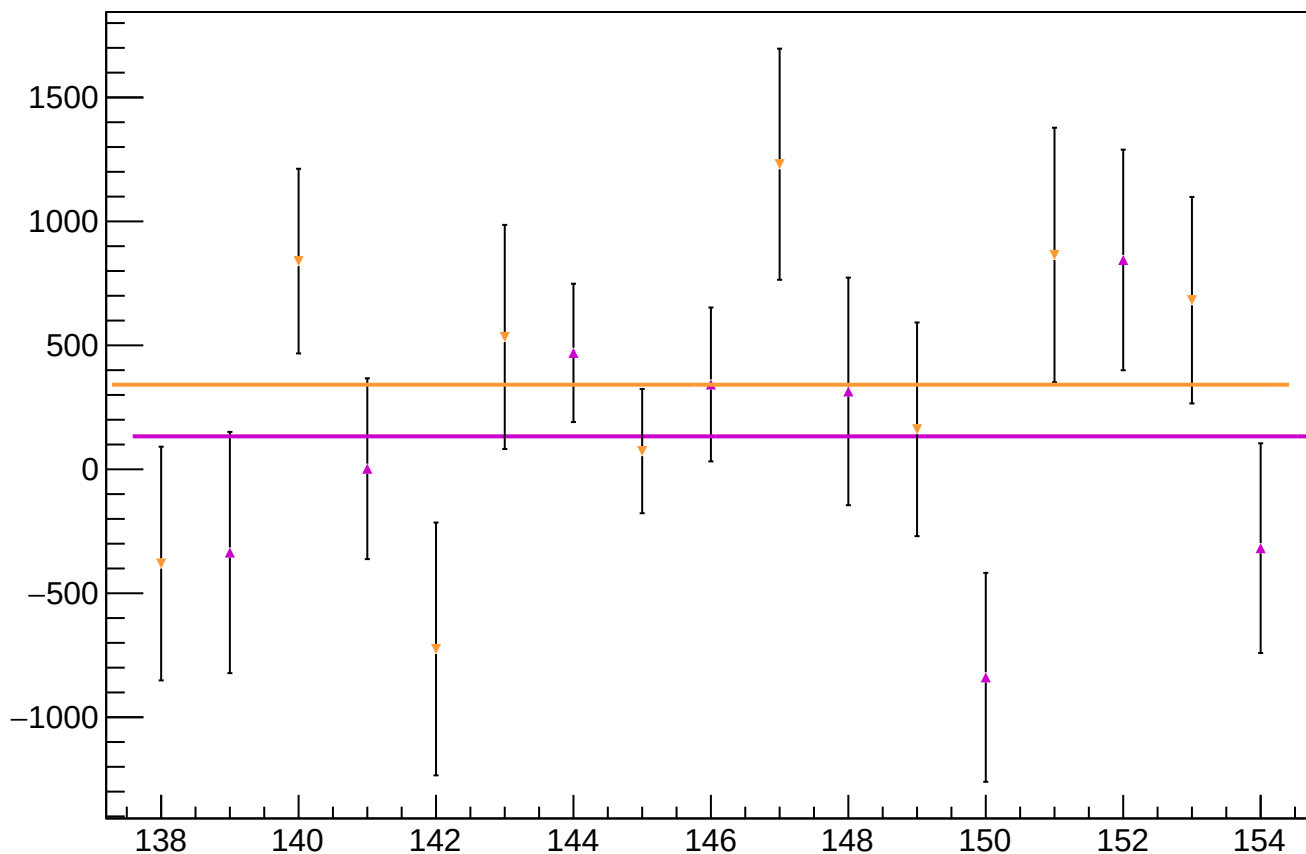
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 48.475+/-0.014 χ^2/NDF :192322.8/7

Out: 47.738+/-0.013 χ^2/NDF :108654.9/8

All: 48.100+/-0.009 χ^2/NDF : 302490.8/16

asym_sam_15_37_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 341.331+/-133.743 χ^2/NDF :15.4/8

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

Left In: 132.958+/-133.635 χ^2/NDF :12.1/7

Left: 237.060+/-94.532 χ^2/NDF : 28.7/16

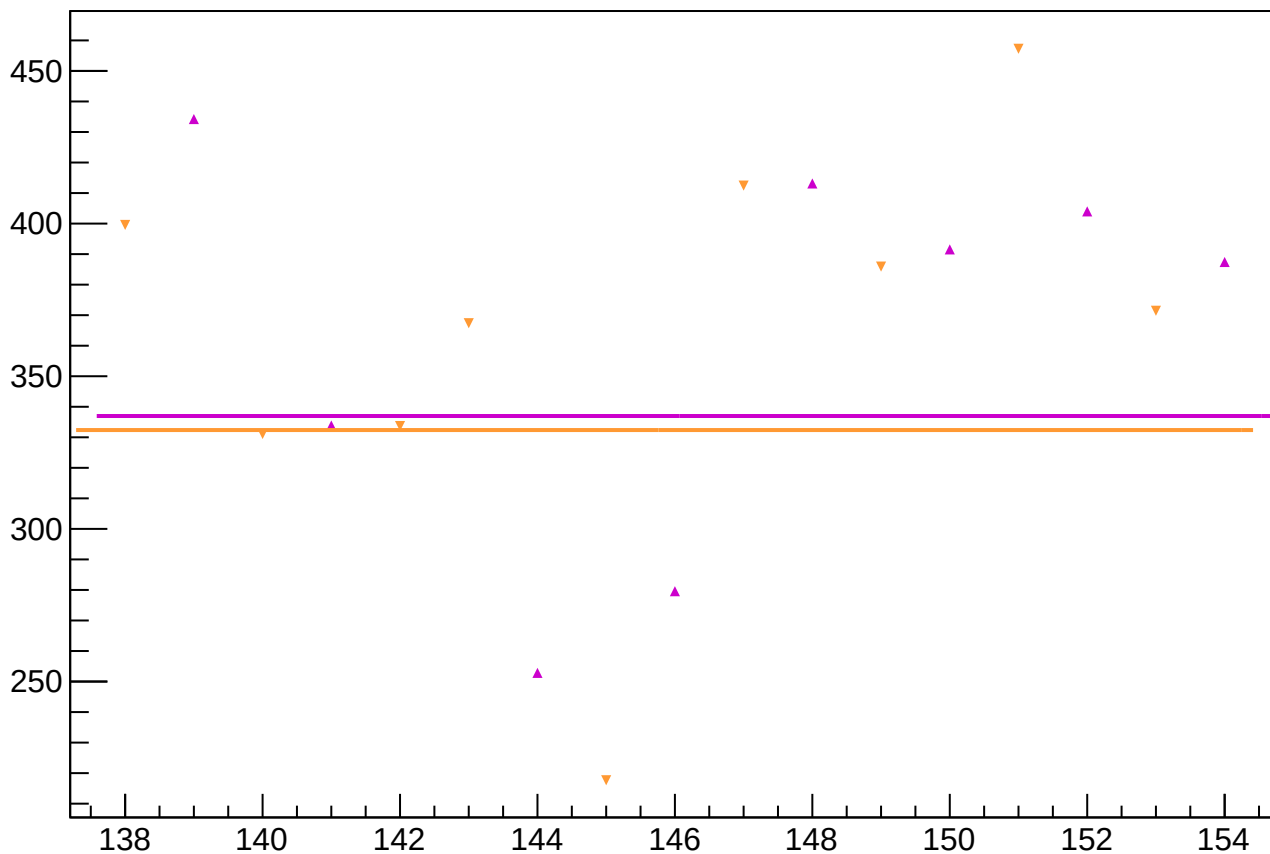
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 132.958+/-133.635 χ^2/NDF :12.1/7

Out: 341.331+/-133.743 χ^2/NDF :15.4/8

All: 237.060+/-94.532 χ^2/NDF : 28.7/16

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 332.375+/-0.095 χ^2/NDF : 697226.2/8

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

Left In: 336.975+/-0.094 χ^2/NDF : 492884.3/7

Left: 334.677+/-0.067 χ^2/NDF : 1191294.4/16

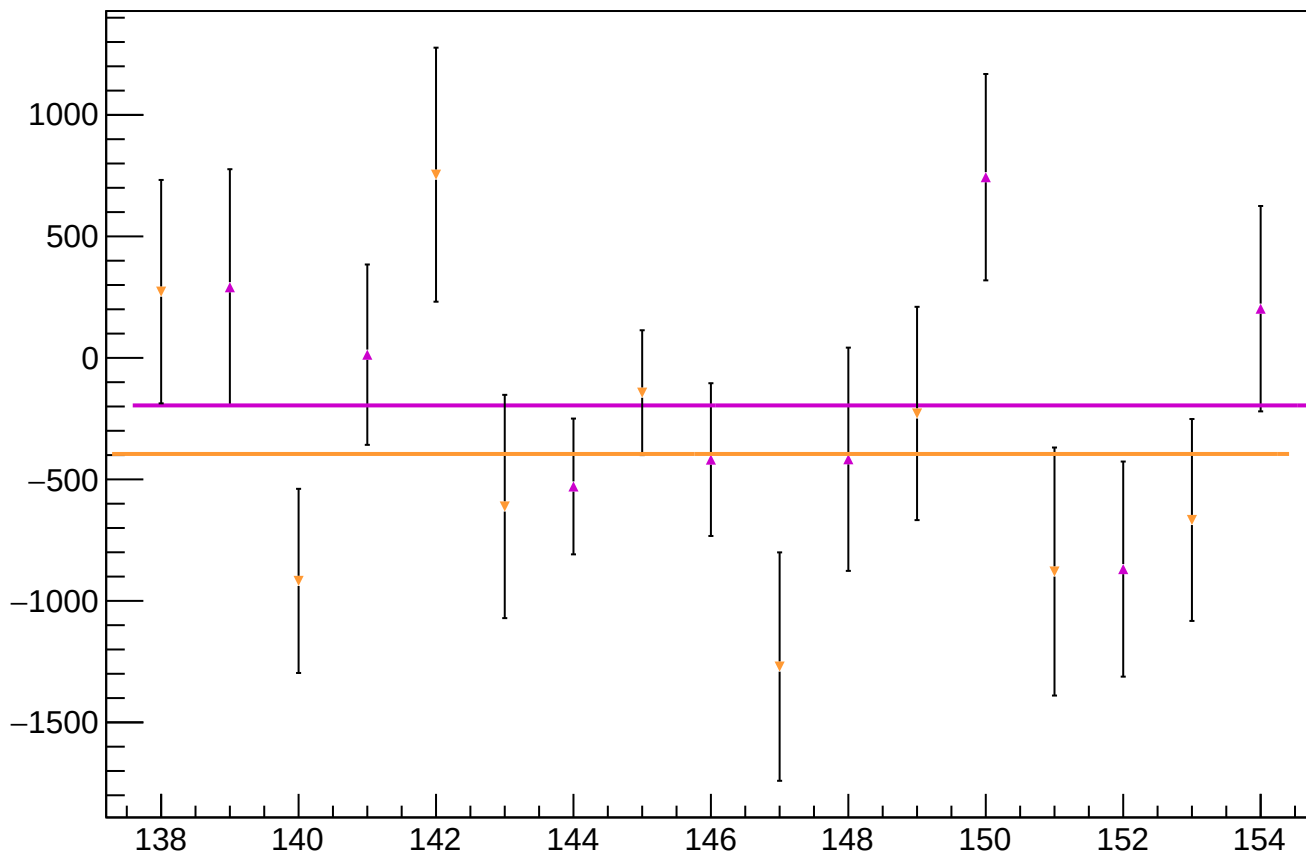
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 336.975+/-0.094 χ^2/NDF : 492884.3/7

Out: 332.375+/-0.095 χ^2/NDF : 697226.2/8

All: 334.677+/-0.067 χ^2/NDF : 1191294.4/16

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



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

Left Out: -395.345+/-135.334 χ^2/NDF :15.0/8

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

Left In: -195.571+/-134.333 χ^2/NDF :11.6/7

Left: -294.717+/-95.340 χ^2/NDF : 27.6/16

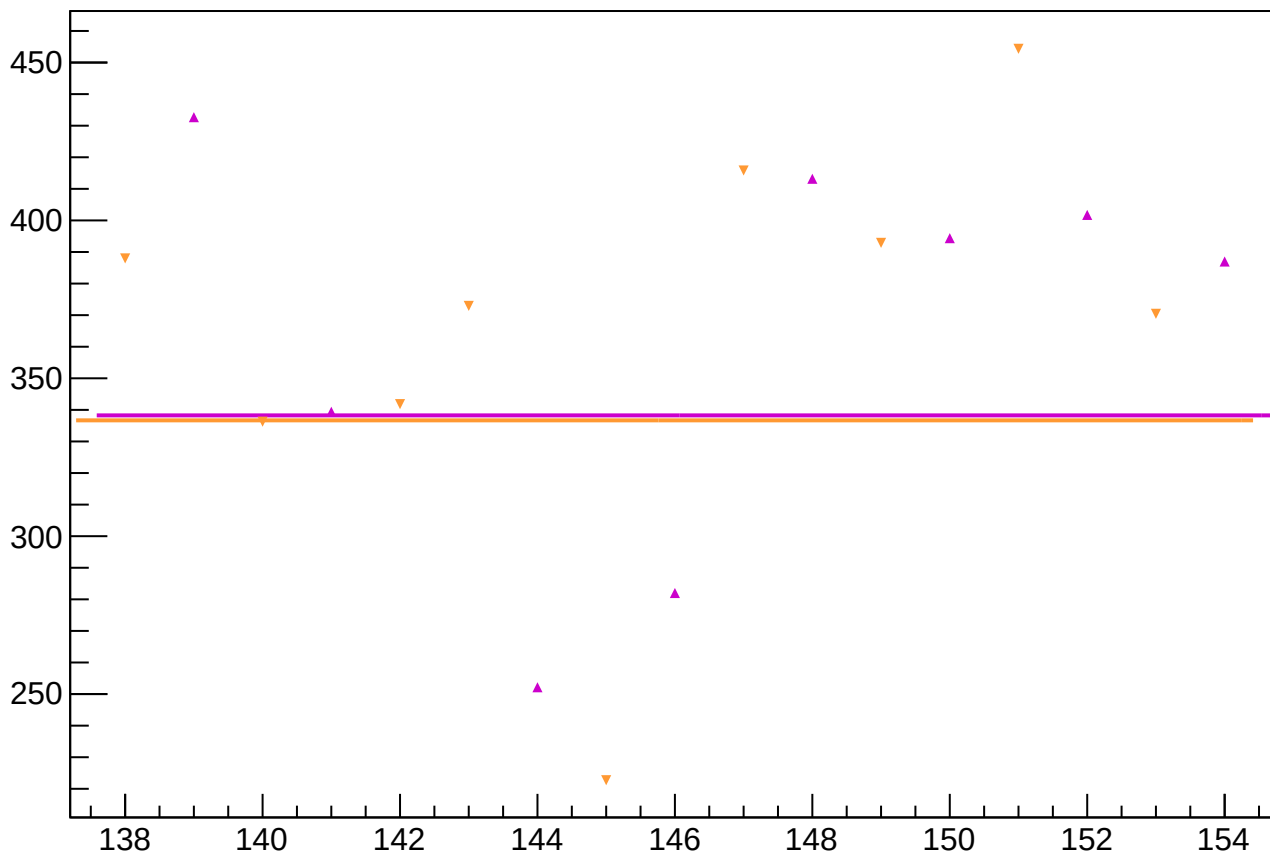
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -195.571+/-134.333 χ^2/NDF :11.6/7

Out: -395.345+/-135.334 χ^2/NDF :15.0/8

All: -294.717+/-95.340 χ^2/NDF : 27.6/16

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



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

Left Out: 336.685+/-0.096 χ^2/NDF :640220.8/8

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

Left In: 338.258+/-0.095 χ^2/NDF :485469.3/7

Left: 337.477+/-0.067 χ^2/NDF : 1125826.3/16

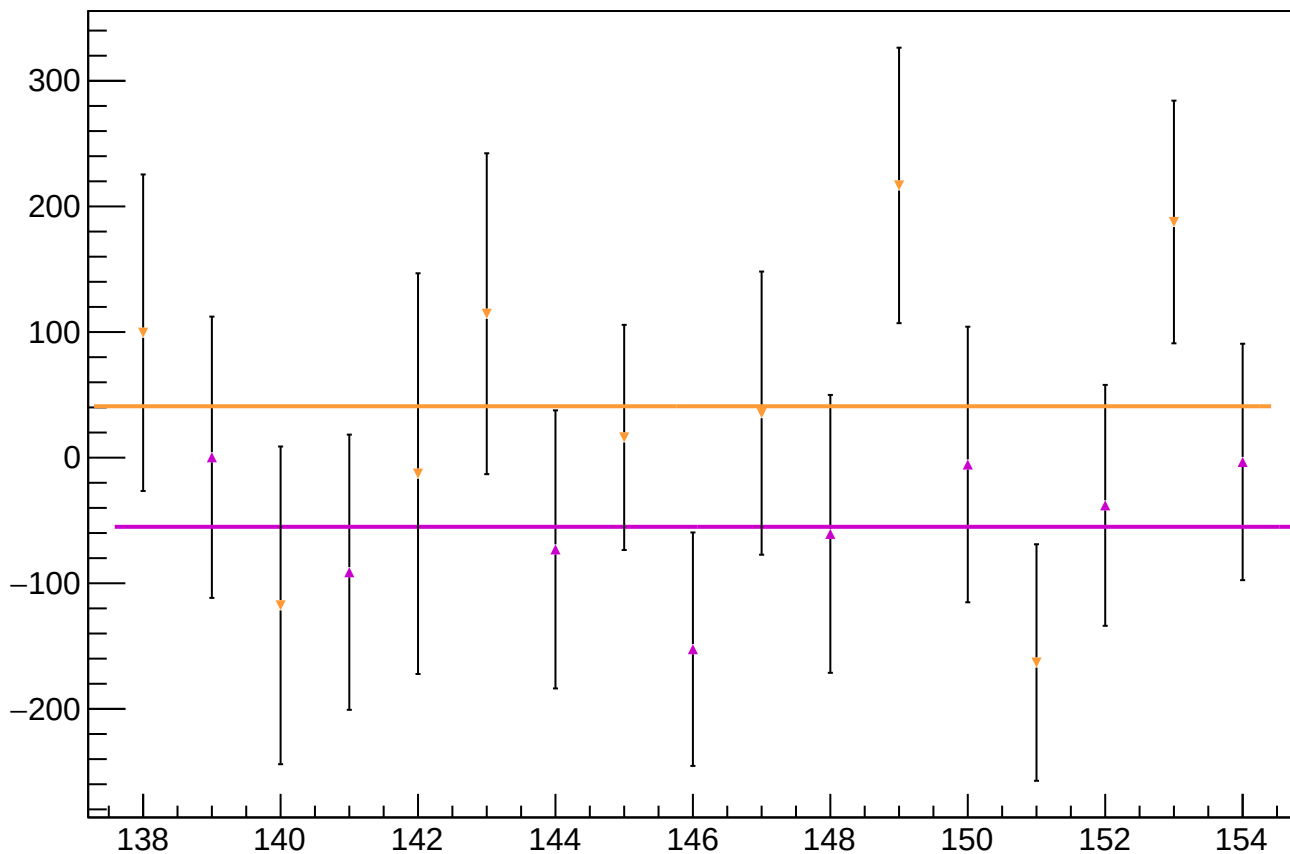
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 338.258+/-0.095 χ^2/NDF :485469.3/7

Out: 336.685+/-0.096 χ^2/NDF :640220.8/8

All: 337.477+/-0.067 χ^2/NDF : 1125826.3/16

dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



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

Left Out: 40.910+/-36.950 χ^2/NDF :11.9/8

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

Left In: -55.048+/-36.588 χ^2/NDF :2.0/7

Left: -7.541+/-25.999 χ^2/NDF : 17.3/16

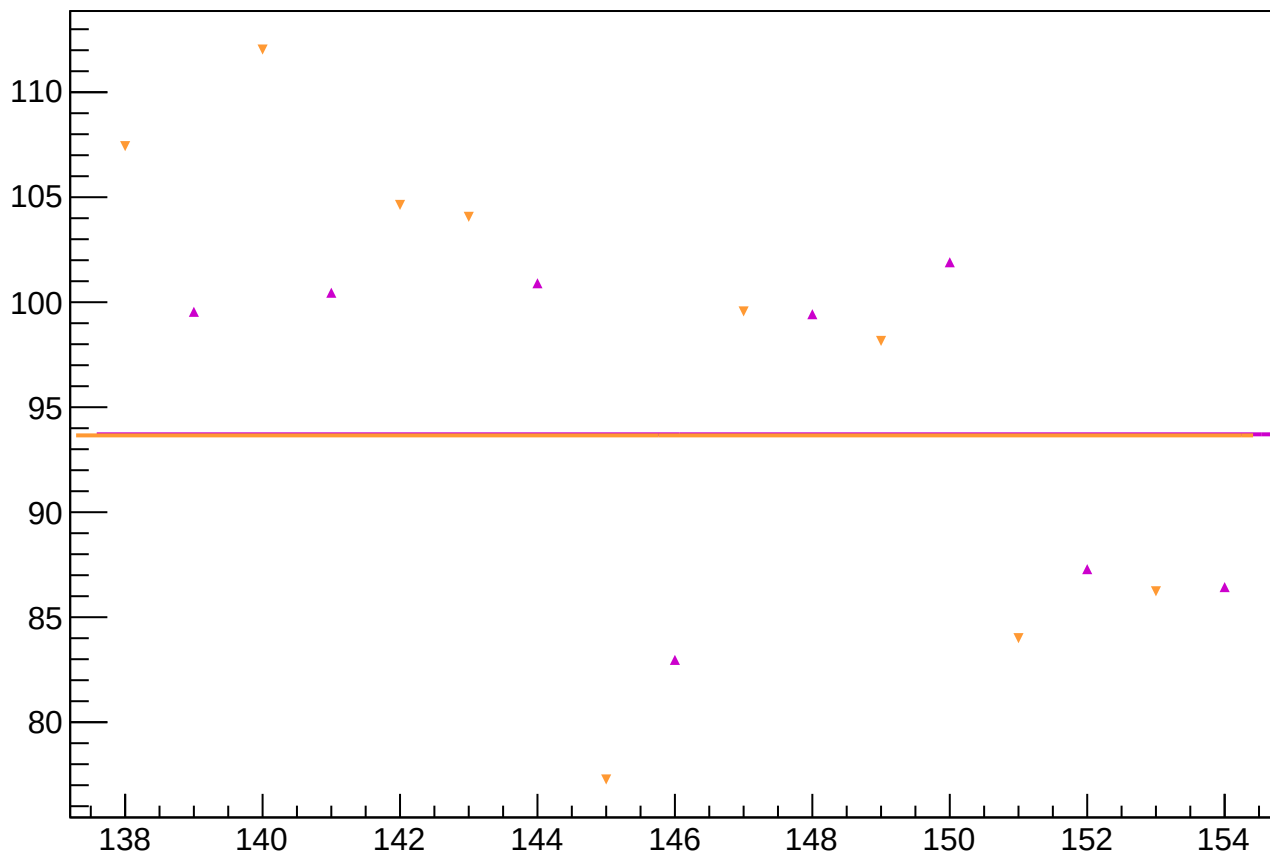
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -55.048+/-36.588 χ^2/NDF :2.0/7

Out: 40.910+/-36.950 χ^2/NDF :11.9/8

All: -7.541+/-25.999 χ^2/NDF : 17.3/16

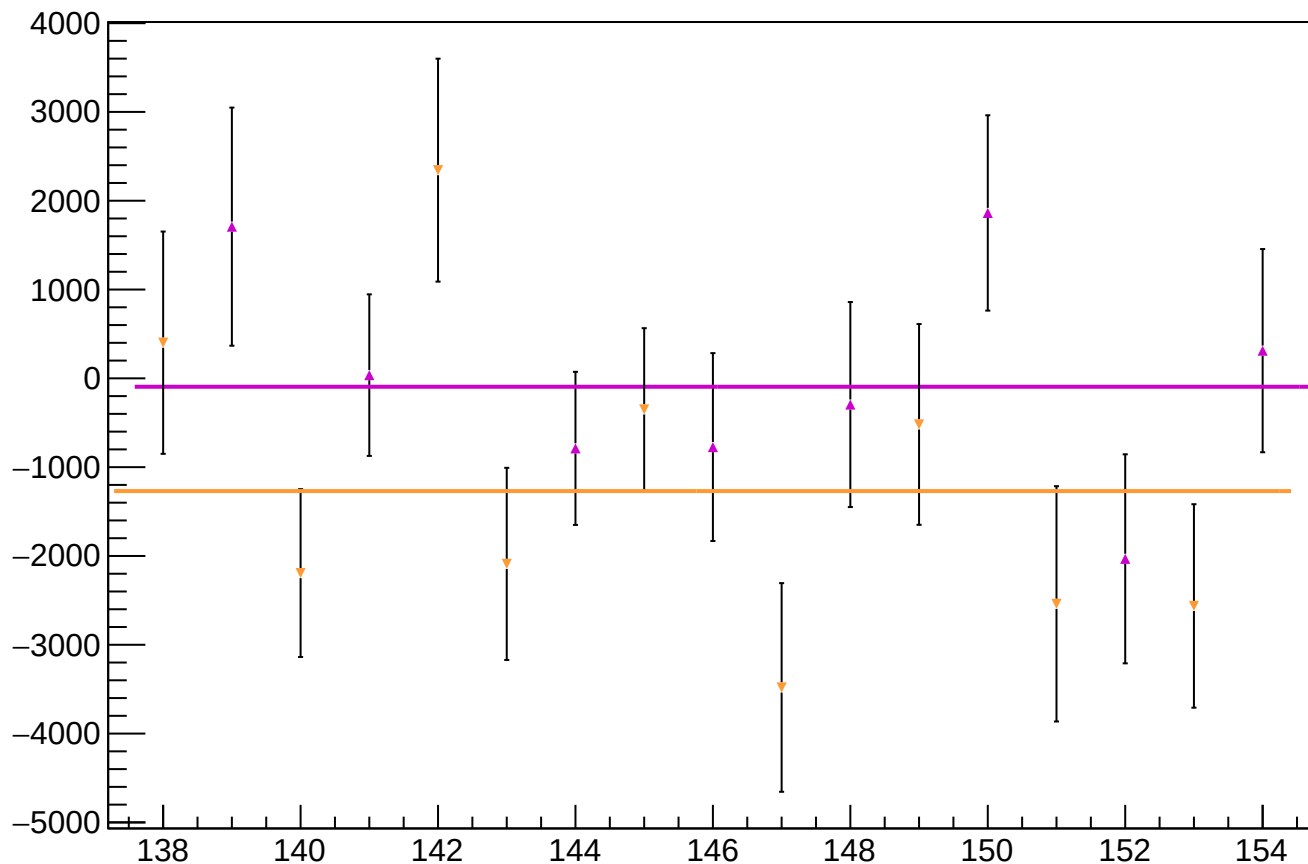
dit_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 93.658+/-0.026 χ^2/NDF :197394.8/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 93.709+/-0.026 χ^2/NDF :85601.4/7

Left: 93.684+/-0.018 χ^2/NDF : 282998.1/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 93.709+/-0.026 χ^2/NDF :85601.4/7
 Out: 93.658+/-0.026 χ^2/NDF :197394.8/8
 All: 93.684+/-0.018 χ^2/NDF : 282998.1/16

asym_sam_24_68_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -1269.186+/-370.545 χ^2/NDF : 18.8/8

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

Left In: -94.663+/-376.142 χ^2/NDF : 8.9/7

Left: -690.728+/-263.972 χ^2/NDF : 32.7/16

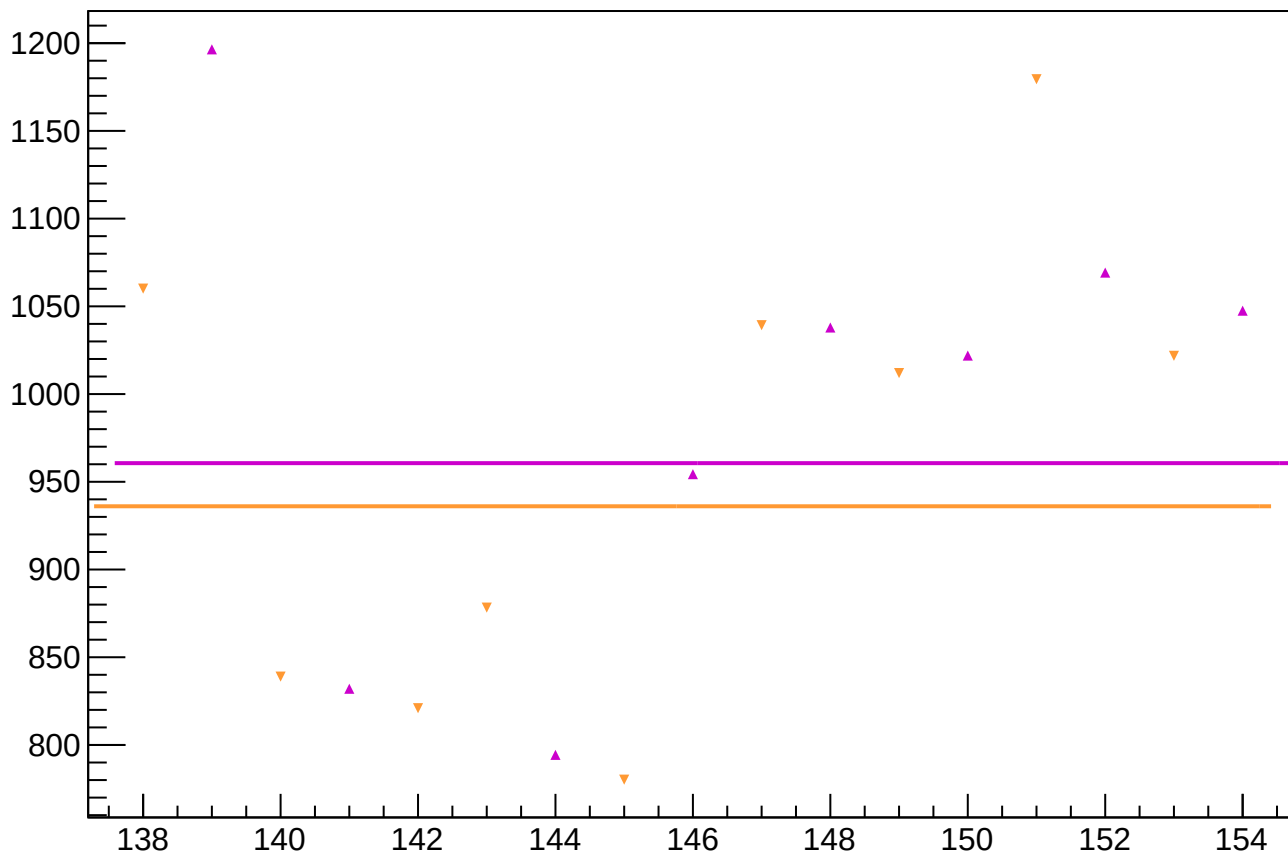
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -94.663+/-376.142 χ^2/NDF : 8.9/7

Out: -1269.186+/-370.545 χ^2/NDF : 18.8/8

All: -690.728+/-263.972 χ^2/NDF : 32.7/16

asym_sam_24_68_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 936.045+/-0.262 χ^2/NDF : 224550.3/8

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

Left In: 960.627+/-0.266 χ^2/NDF : 220115.6/7

Left: 948.151+/-0.187 χ^2/NDF : 449000.9/16

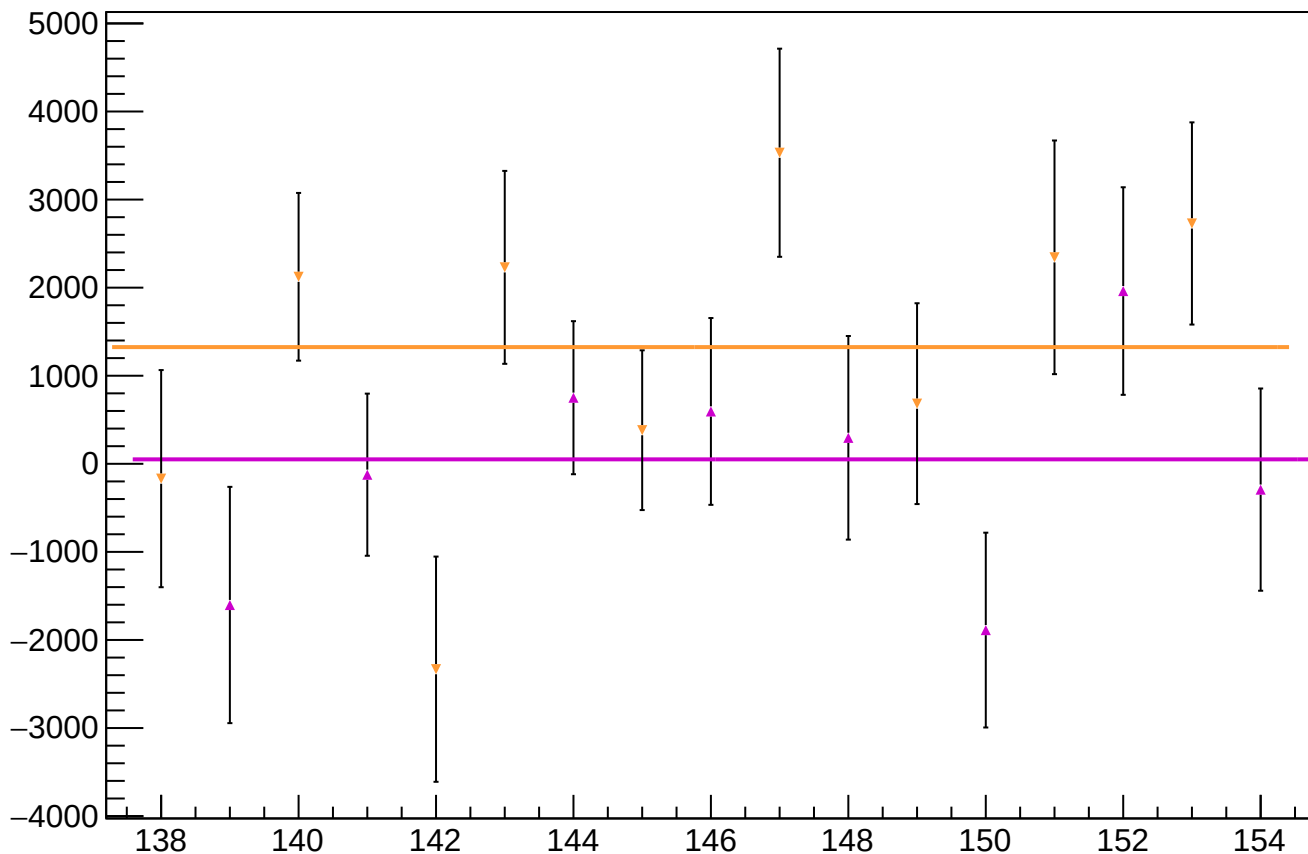
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 960.627+/-0.266 χ^2/NDF : 220115.6/7

Out: 936.045+/-0.262 χ^2/NDF : 224550.3/8

All: 948.151+/-0.187 χ^2/NDF : 449000.9/16

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



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

Left Out: 1325.041+/-371.761 χ^2/NDF :18.0/8

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

Left In: 50.570+/-378.103 χ^2/NDF :8.3/7

Left: 698.583+/-265.088 χ^2/NDF : 32.1/16

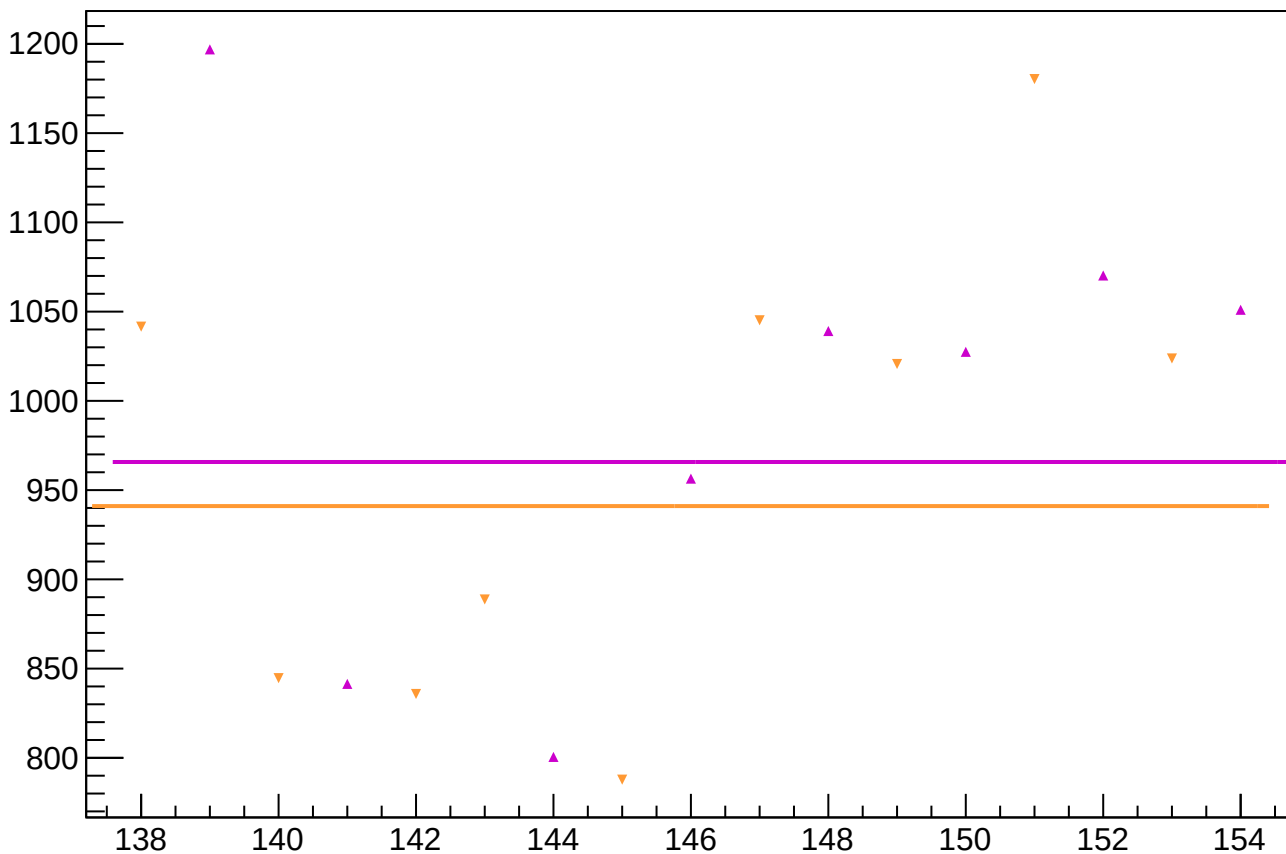
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 50.570+/-378.103 χ^2/NDF :8.3/7

Out: 1325.041+/-371.761 χ^2/NDF :18.0/8

All: 698.583+/-265.088 χ^2/NDF : 32.1/16

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



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

Left Out: 941.050+/-0.263 χ^2/NDF : 209770.7/8

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

Left In: 965.751+/-0.267 χ^2/NDF : 209418.7/7

Left: 953.192+/-0.187 χ^2/NDF : 423529.5/16

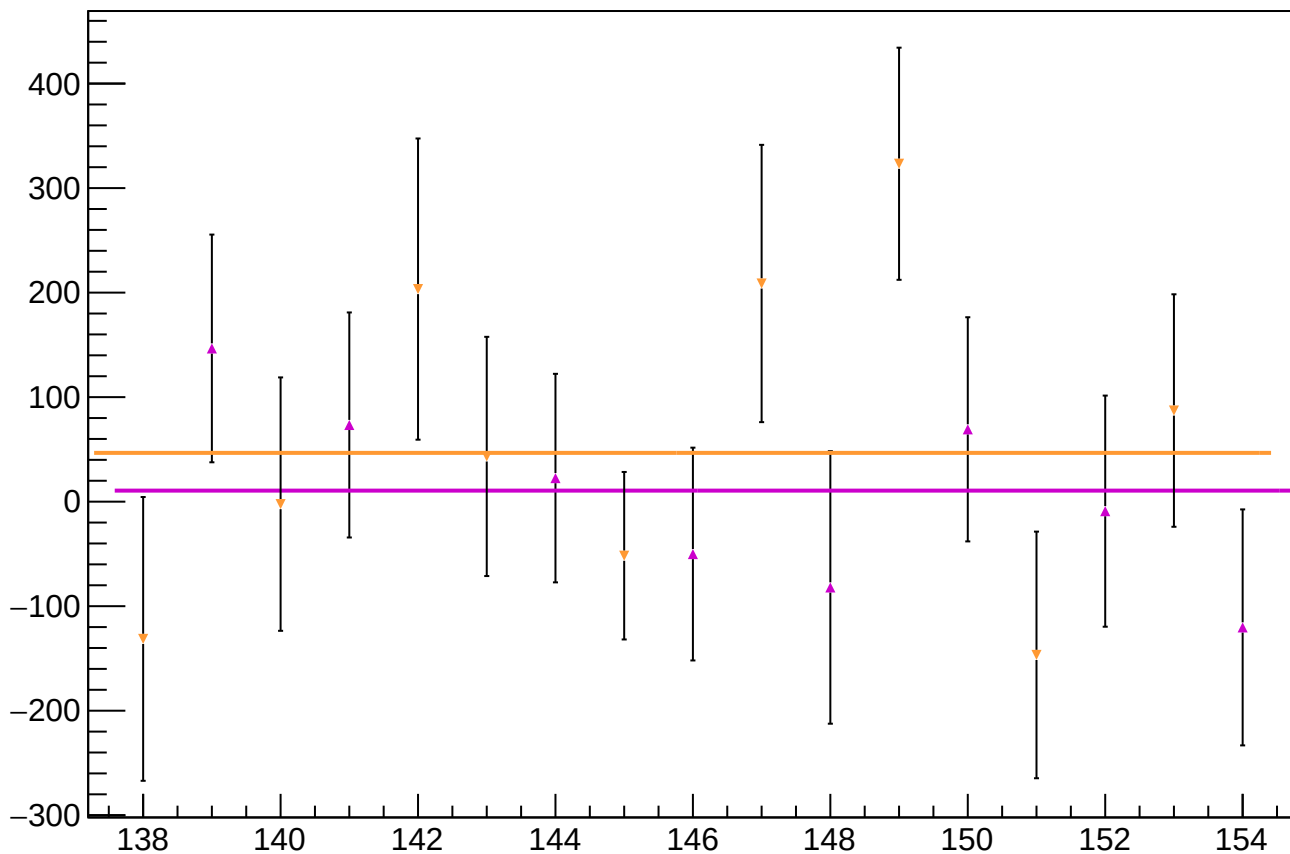
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 965.751+/-0.267 χ^2/NDF : 209418.7/7

Out: 941.050+/-0.263 χ^2/NDF : 209770.7/8

All: 953.192+/-0.187 χ^2/NDF : 423529.5/16

dit_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 46.673 $\pm$ 37.982 χ^2 /NDF:15.1/8

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 10.568 $\pm$ 38.530 χ^2 /NDF:4.4/7

Left: 28.879 $\pm$ 27.049 χ^2 /NDF: 20.0/16

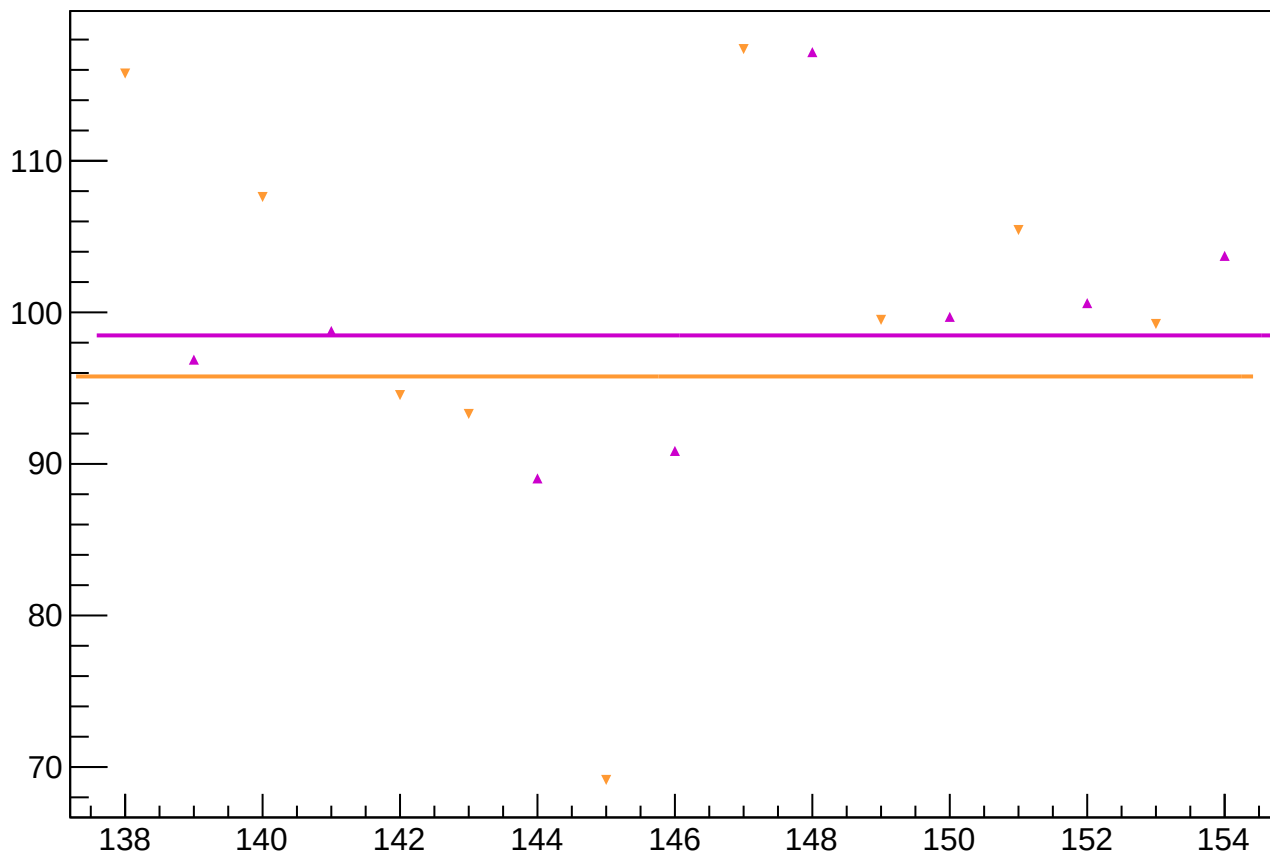
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 10.568 $\pm$ 38.530 χ^2 /NDF:4.4/7

Out: 46.673 $\pm$ 37.982 χ^2 /NDF:15.1/8

All: 28.879 $\pm$ 27.049 χ^2 /NDF: 20.0/16

dit_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 95.771+/-0.027 χ^2/NDF : 354941.5/8

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

Left In: 98.480+/-0.027 χ^2/NDF : 75990.6/7

Left: 97.106+/-0.019 χ^2/NDF : 435943.8/16

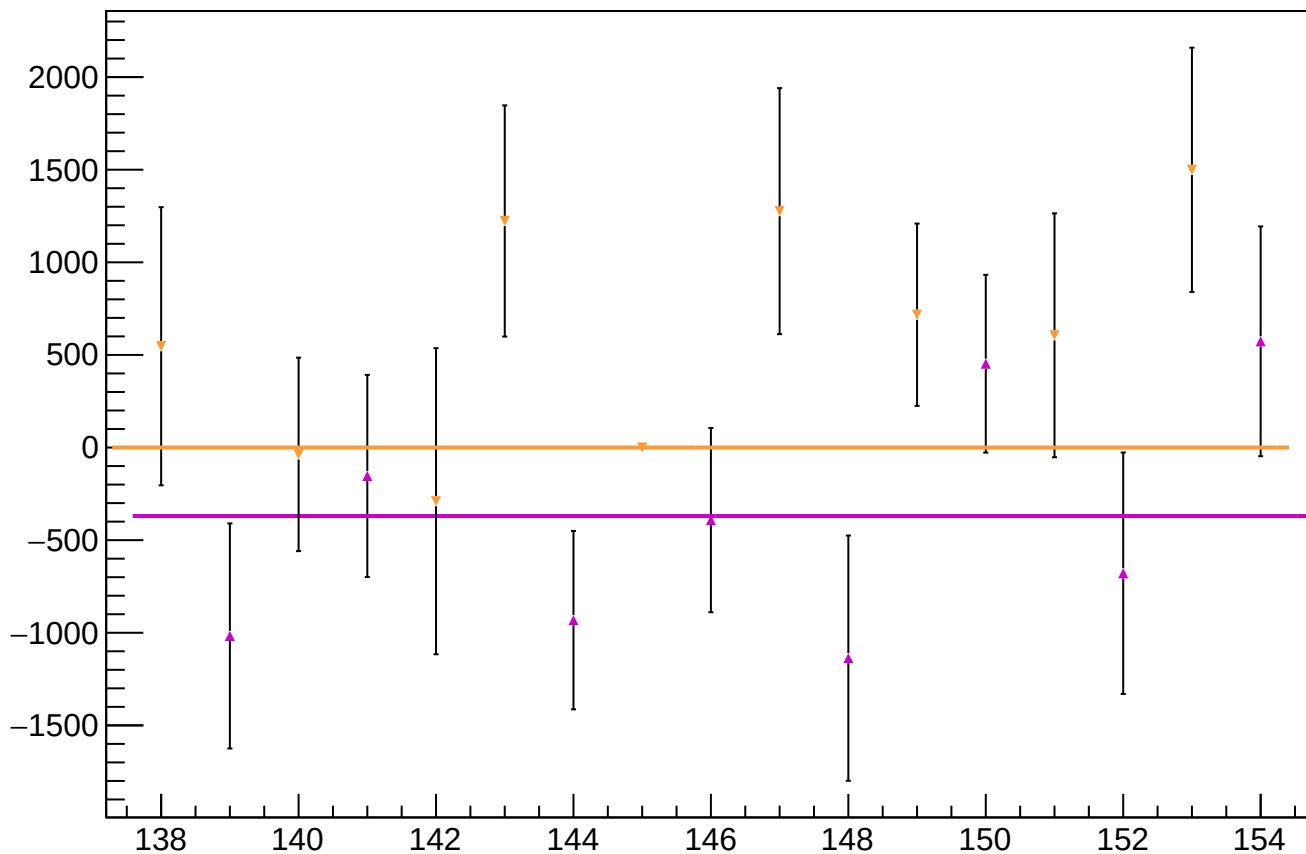
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 98.480+/-0.027 χ^2/NDF : 75990.6/7

Out: 95.771+/-0.027 χ^2/NDF : 354941.5/8

All: 97.106+/-0.019 χ^2/NDF : 435943.8/16

asym_sam_26_48_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 : 16.3/8

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

Left In: -369.638+/-196.135 χ^2/NDF : 9.5/7

Left: -0.000+/-0.000 χ^2/NDF : 29.4/16

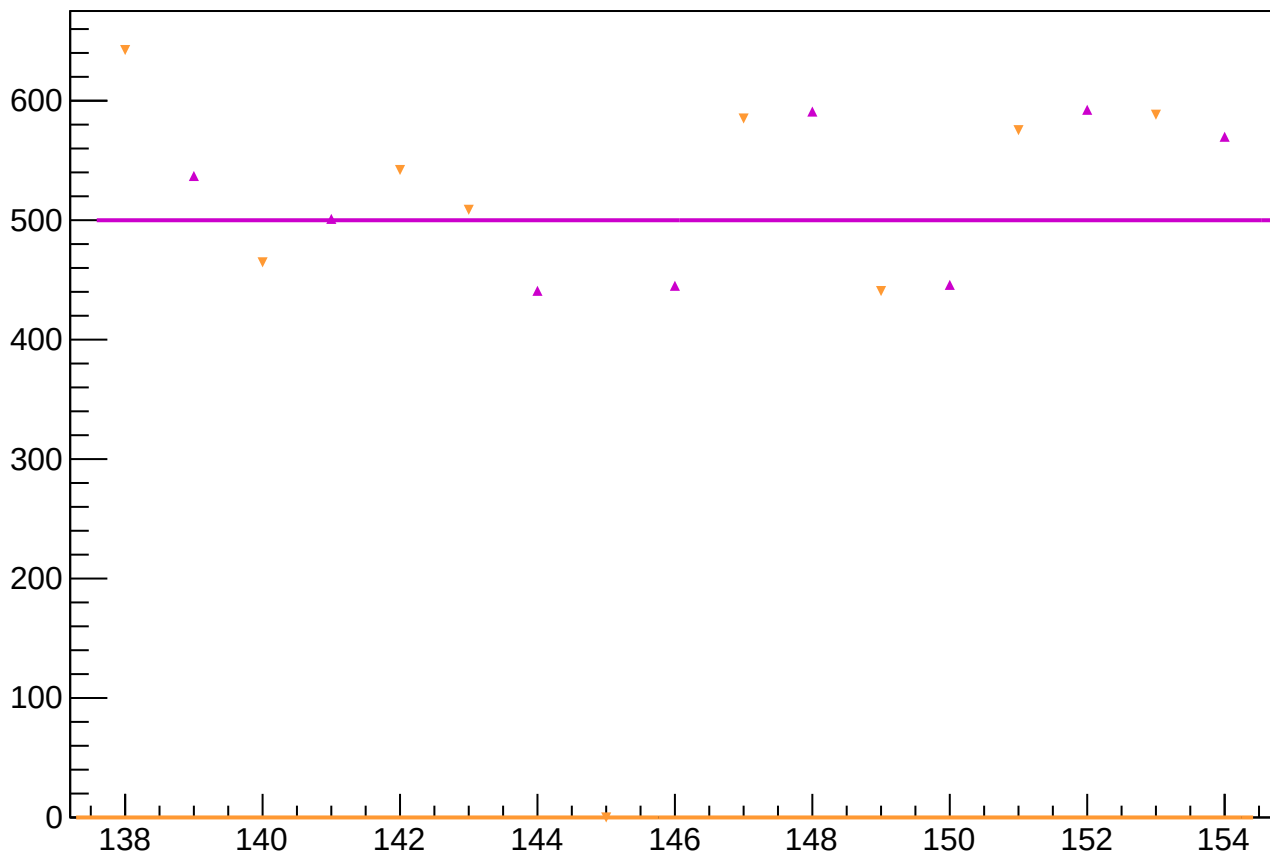
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -369.638+/-196.135 χ^2/NDF : 9.5/7

Out: -0.000+/-0.000 χ^2/NDF : 16.3/8

All: -0.000+/-0.000 χ^2/NDF : 29.4/16

asym_sam_26_48_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 :11510488.3/8

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

Left In: 499.948+/-0.139 χ^2/NDF :190683.2/7

Left: 0.000+/-0.000 χ^2/NDF : 24696006.7/16

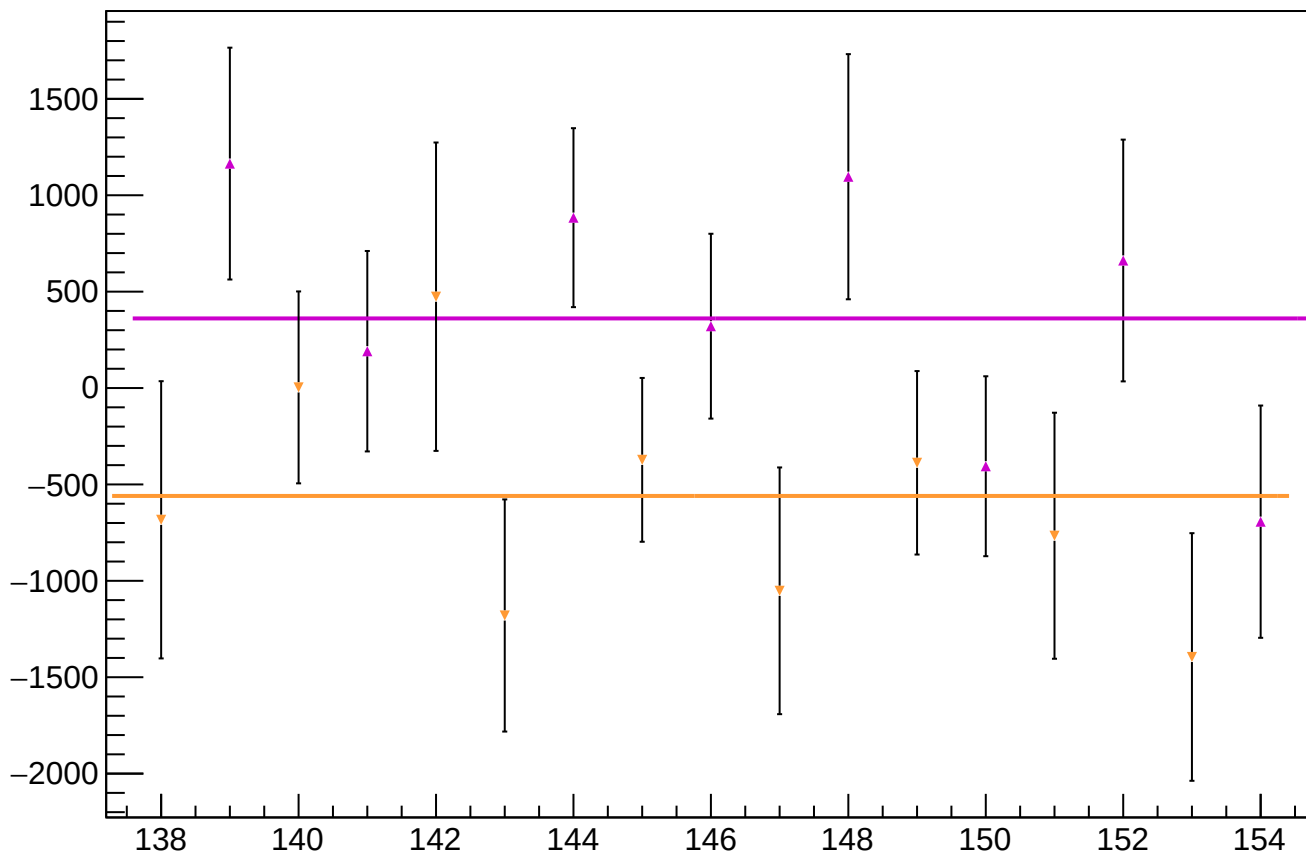
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 499.948+/-0.139 χ^2/NDF :190683.2/7

Out: 0.000+/-0.000 χ^2/NDF :11510488.3/8

All: 0.000+/-0.000 χ^2/NDF : 24696006.7/16

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -559.715+/-190.449 χ^2/NDF : 6.8/8

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

Left In: 361.055+/-189.582 χ^2/NDF : 10.5/7

Left: -97.230+/-134.360 χ^2/NDF : 29.0/16

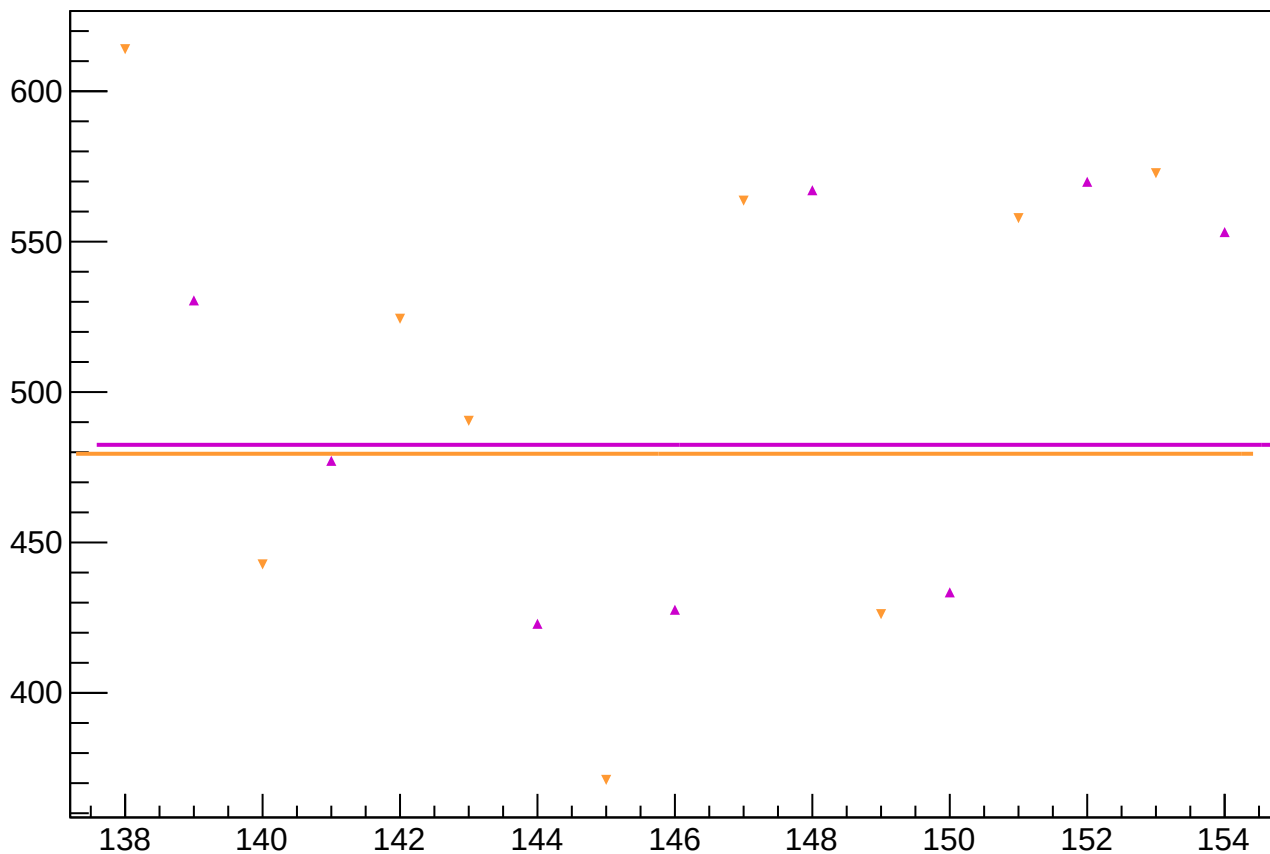
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 361.055+/-189.582 χ^2/NDF : 10.5/7

Out: -559.715+/-190.449 χ^2/NDF : 6.8/8

All: -97.230+/-134.360 χ^2/NDF : 29.0/16

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 479.490+/-0.135 χ^2/NDF : 350039.5/8

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

Left In: 482.464+/-0.134 χ^2/NDF : 195942.5/7

Left: 480.984+/-0.095 χ^2/NDF : 546227.0/16

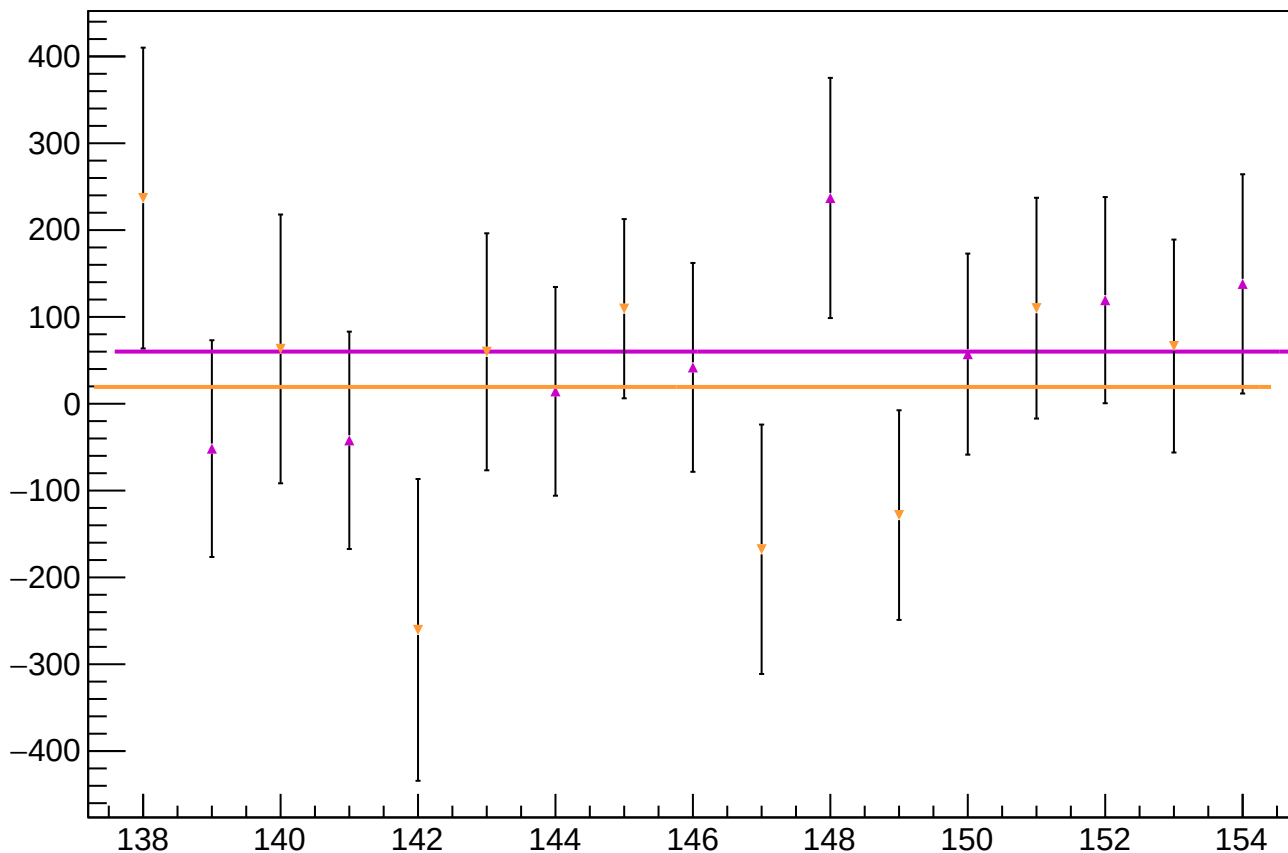
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 482.464+/-0.134 χ^2/NDF : 195942.5/7

Out: 479.490+/-0.135 χ^2/NDF : 350039.5/8

All: 480.984+/-0.095 χ^2/NDF : 546227.0/16

dit_asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 19.361+/-44.667 χ^2/NDF : 8.9/8

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

Left In: 60.072+/-43.563 χ^2/NDF : 3.9/7

Left: 40.226+/-31.187 χ^2/NDF : 13.3/16

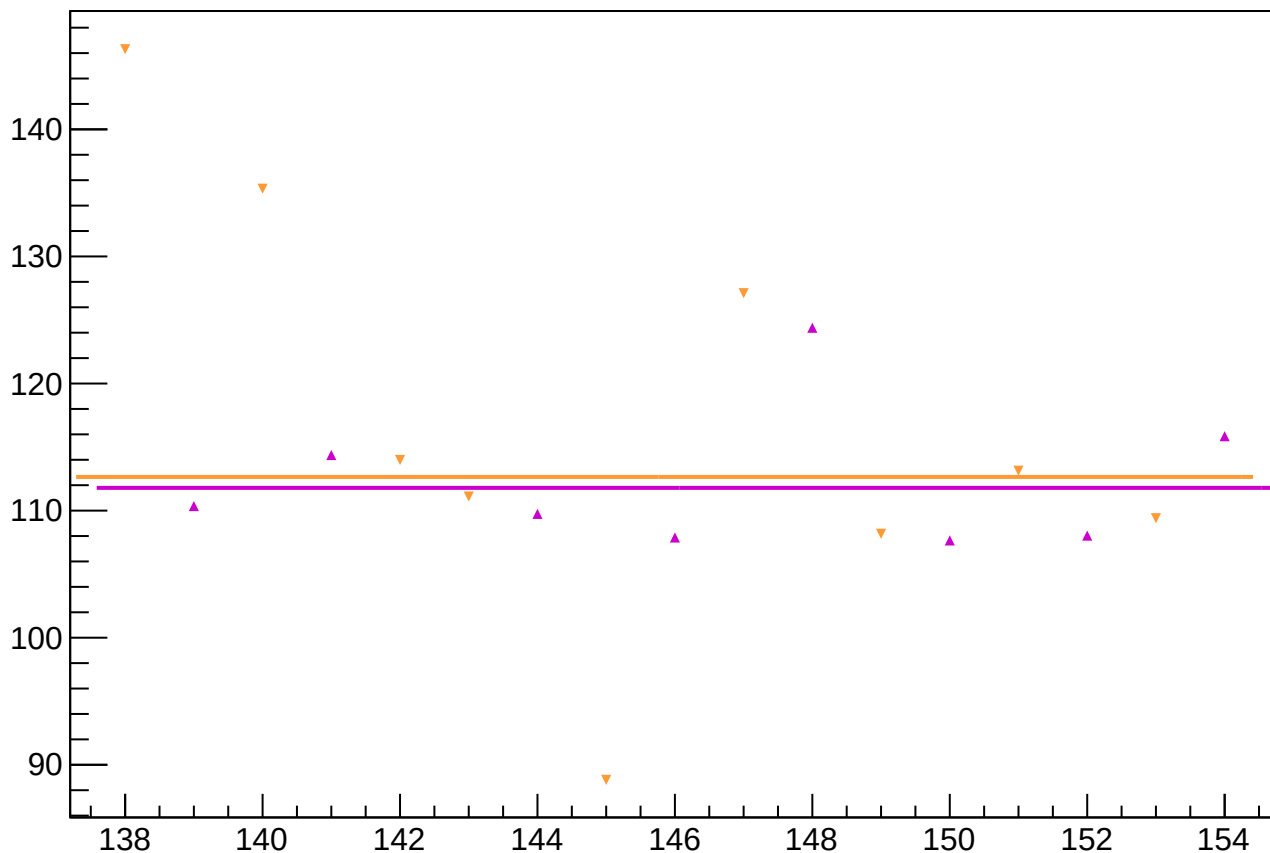
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 60.072+/-43.563 χ^2/NDF : 3.9/7

Out: 19.361+/-44.667 χ^2/NDF : 8.9/8

All: 40.226+/-31.187 χ^2/NDF : 13.3/16

dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 112.651+/-0.032 χ^2/NDF :249942.7/8

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

Left In: 111.790+/-0.031 χ^2/NDF :27024.7/7

Left: 112.209+/-0.022 χ^2/NDF : 277348.2/16

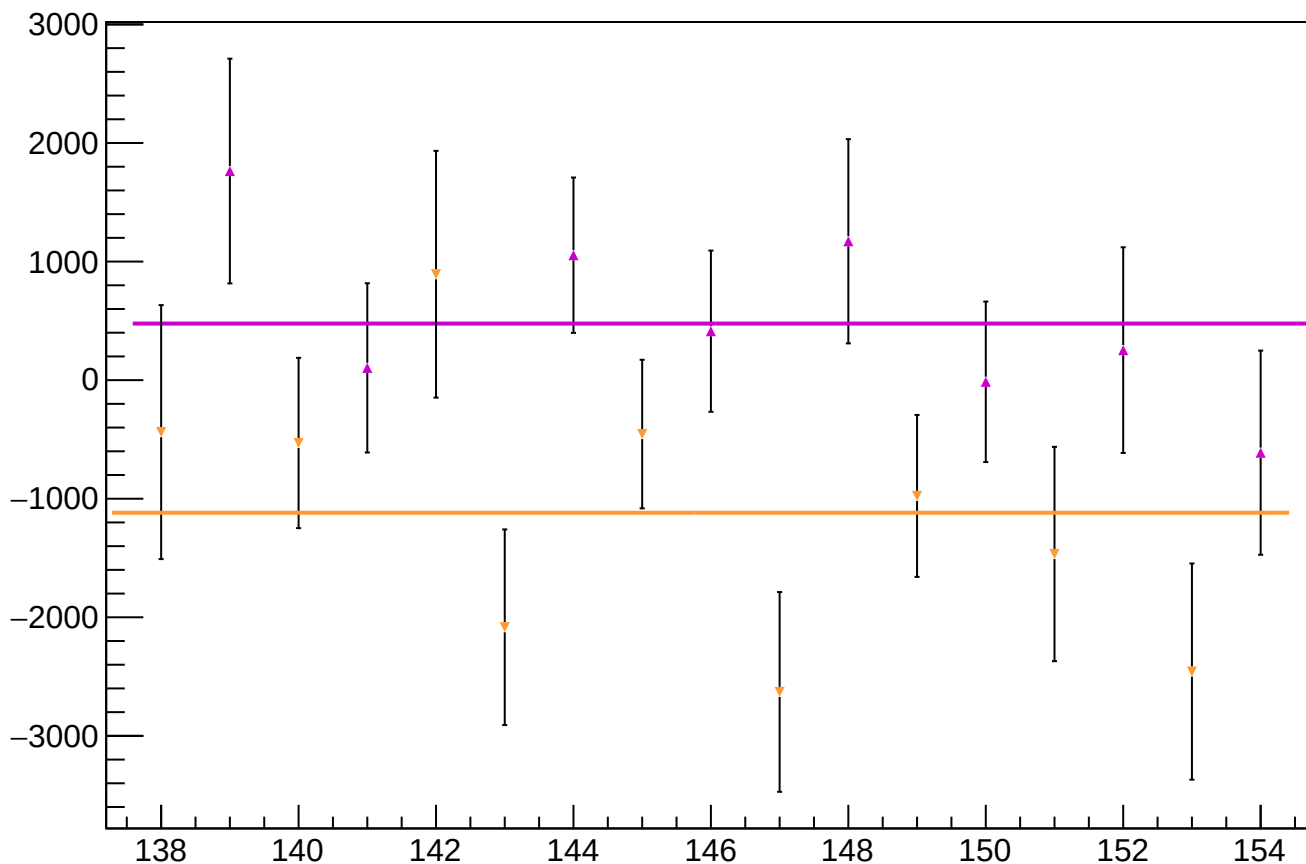
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 111.790+/-0.031 χ^2/NDF :27024.7/7

Out: 112.651+/-0.032 χ^2/NDF :249942.7/8

All: 112.209+/-0.022 χ^2/NDF : 277348.2/16

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1118.255+/-269.853 χ^2/NDF :12.9/8

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

Left In: 477.227+/-269.375 χ^2/NDF :5.7/7

Left: -319.099+/-190.646 χ^2/NDF : 36.1/16

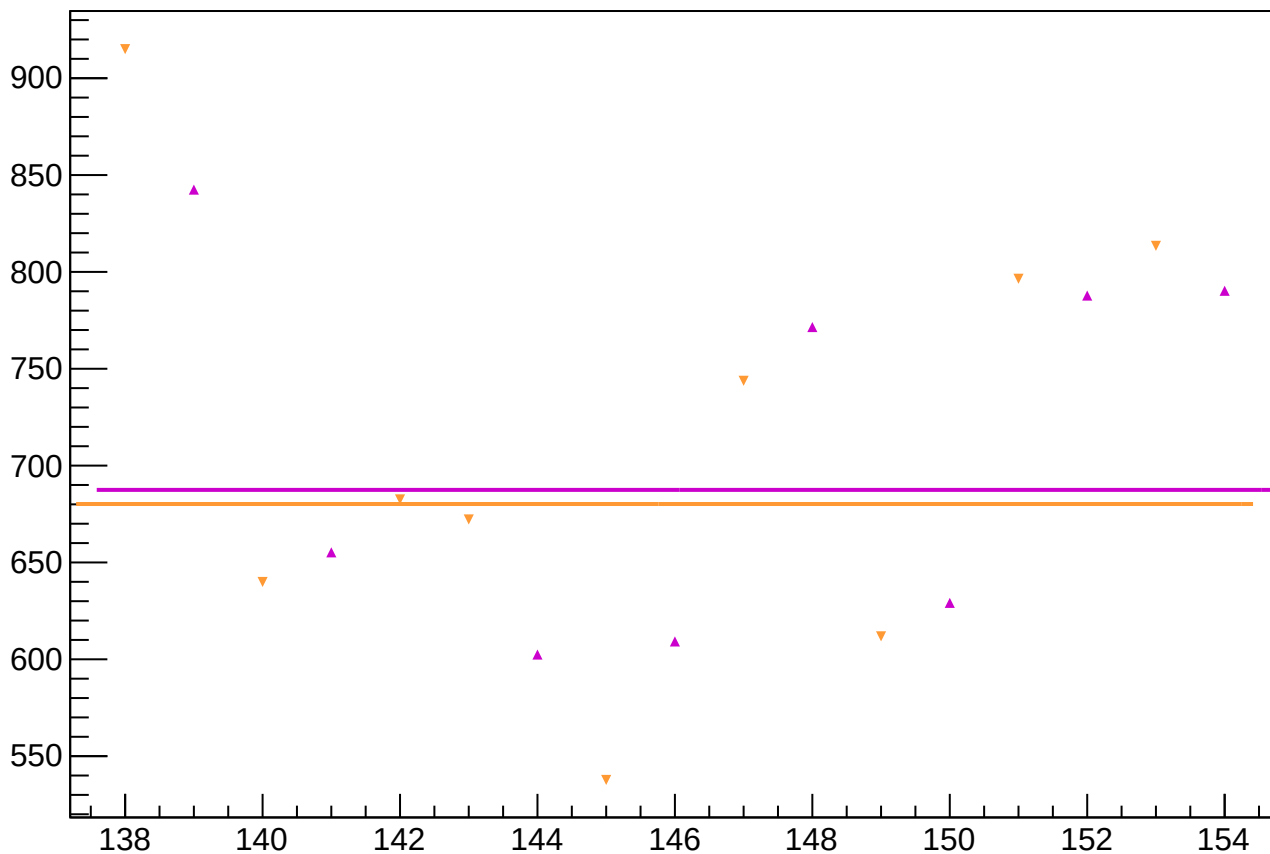
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 477.227+/-269.375 χ^2/NDF :5.7/7

Out: -1118.255+/-269.853 χ^2/NDF :12.9/8

All: -319.099+/-190.646 χ^2/NDF : 36.1/16

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 680.175+/-0.191 χ^2/NDF :313320.7/8

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

Left In: 687.468+/-0.190 χ^2/NDF :206968.9/7

Left: 683.828+/-0.135 χ^2/NDF : 521021.1/16

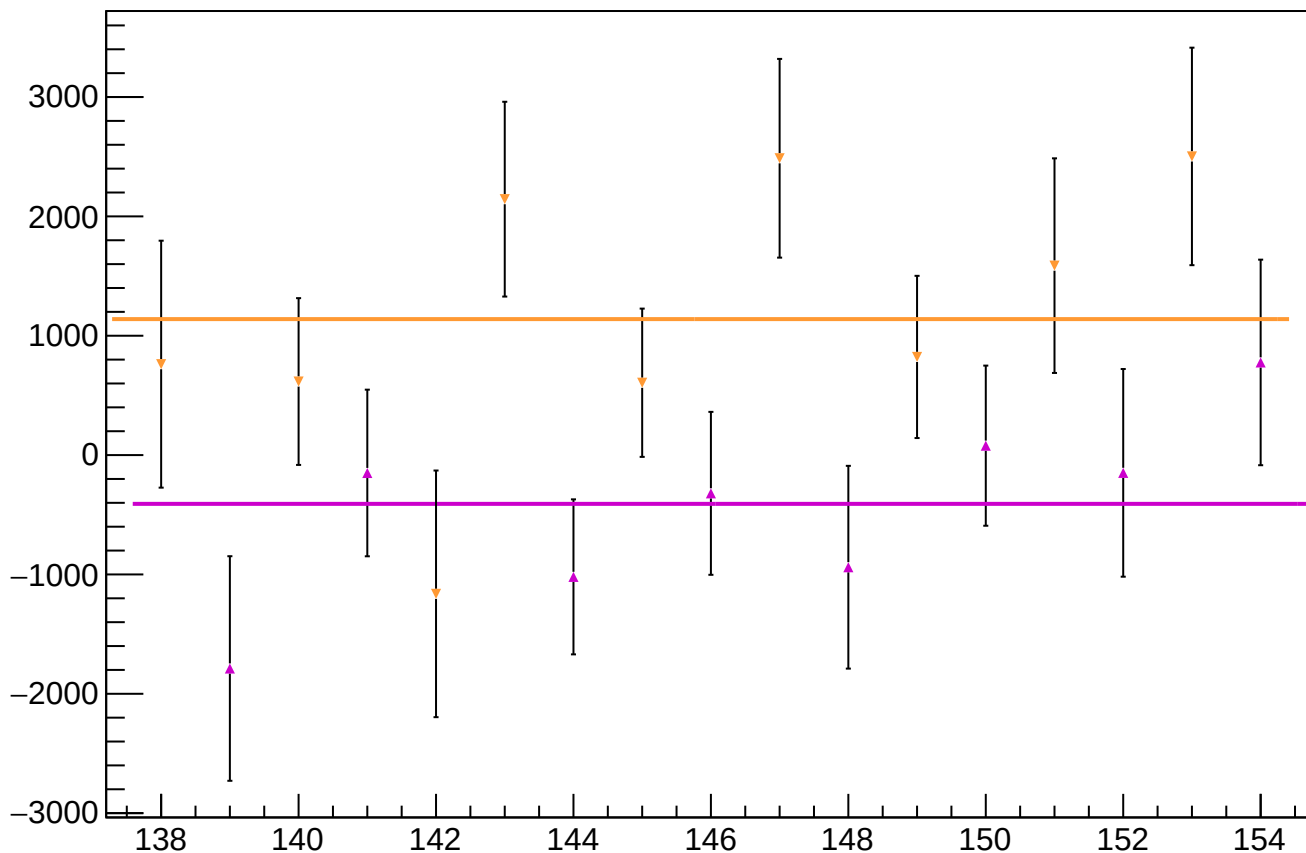
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 687.468+/-0.190 χ^2/NDF :206968.9/7

Out: 680.175+/-0.191 χ^2/NDF :313320.7/8

All: 683.828+/-0.135 χ^2/NDF : 521021.1/16

asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 1139.350+/-266.663 χ^2/NDF :13.2/8

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

Left In: -408.640+/-267.489 χ^2/NDF :6.1/7

Left: 367.750+/-188.850 χ^2/NDF : 36.1/16

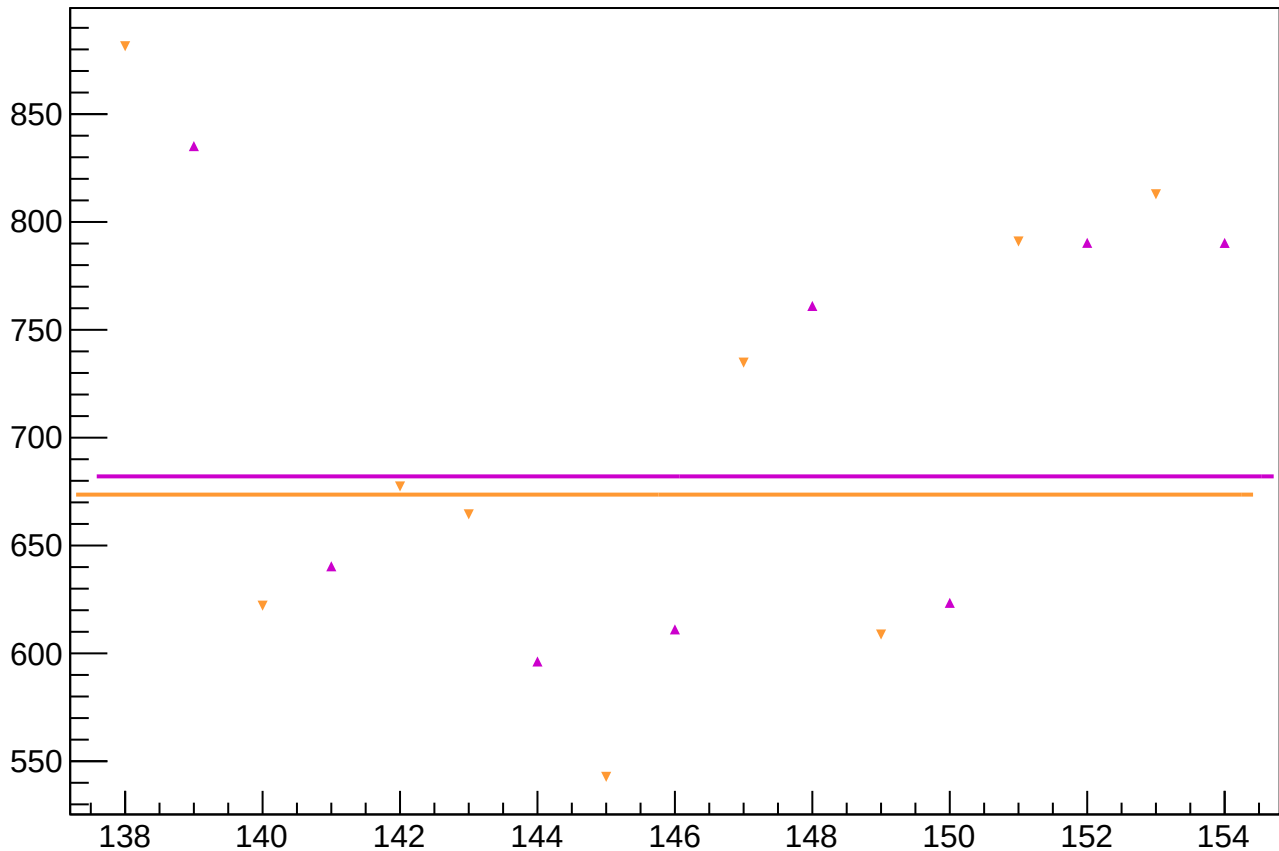
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -408.640+/-267.489 χ^2/NDF :6.1/7

Out: 1139.350+/-266.663 χ^2/NDF :13.2/8

All: 367.750+/-188.850 χ^2/NDF : 36.1/16

asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 673.604+/-0.189 χ^2/NDF :290439.7/8

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

Left In: 682.054+/-0.189 χ^2/NDF :211764.5/7

Left: 677.816+/-0.134 χ^2/NDF : 503205.3/16

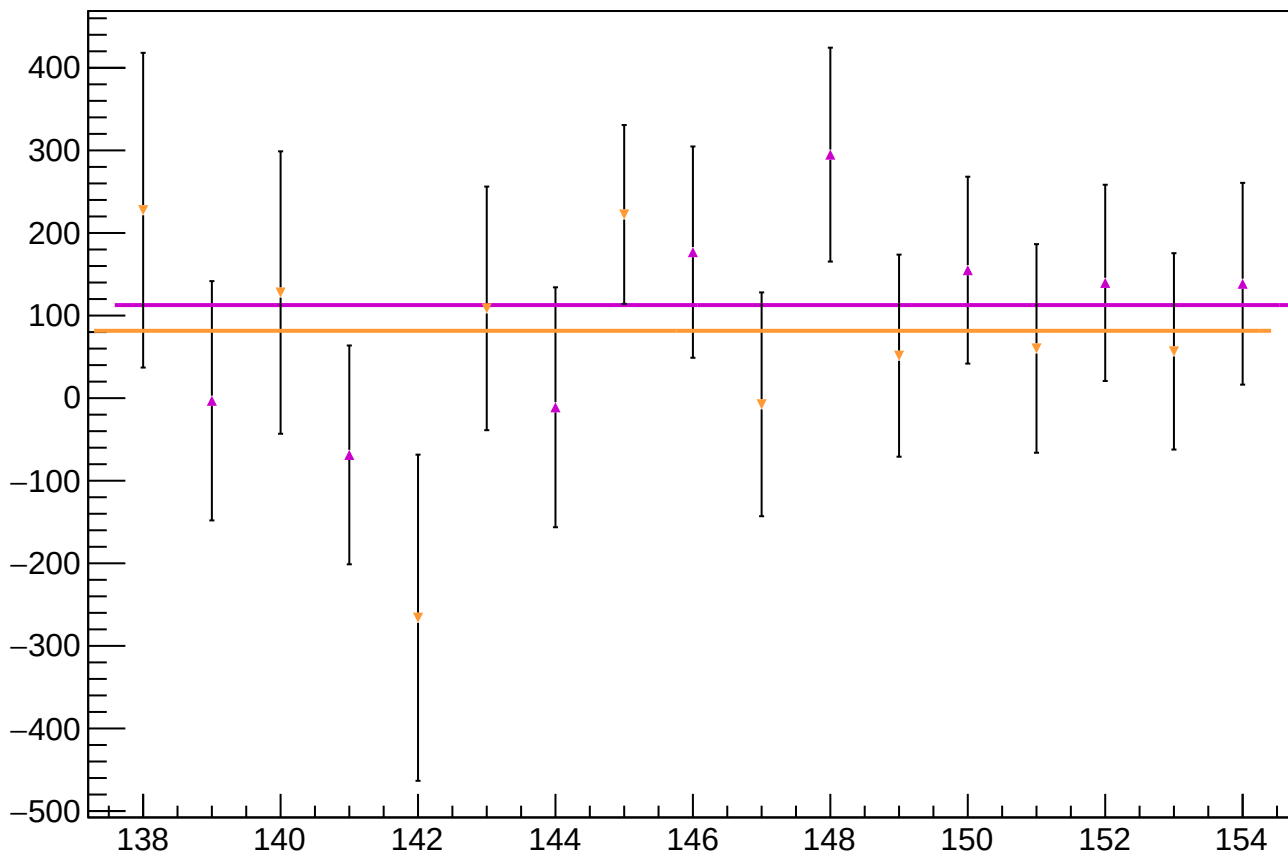
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 682.054+/-0.189 χ^2/NDF :211764.5/7

Out: 673.604+/-0.189 χ^2/NDF :290439.7/8

All: 677.816+/-0.134 χ^2/NDF : 503205.3/16

dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 81.552 $\pm$ 45.963 χ^2 /NDF:6.0/8

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 112.692 $\pm$ 45.239 χ^2 /NDF:5.7/7

Left: 97.370 $\pm$ 32.242 χ^2 /NDF: 12.0/16

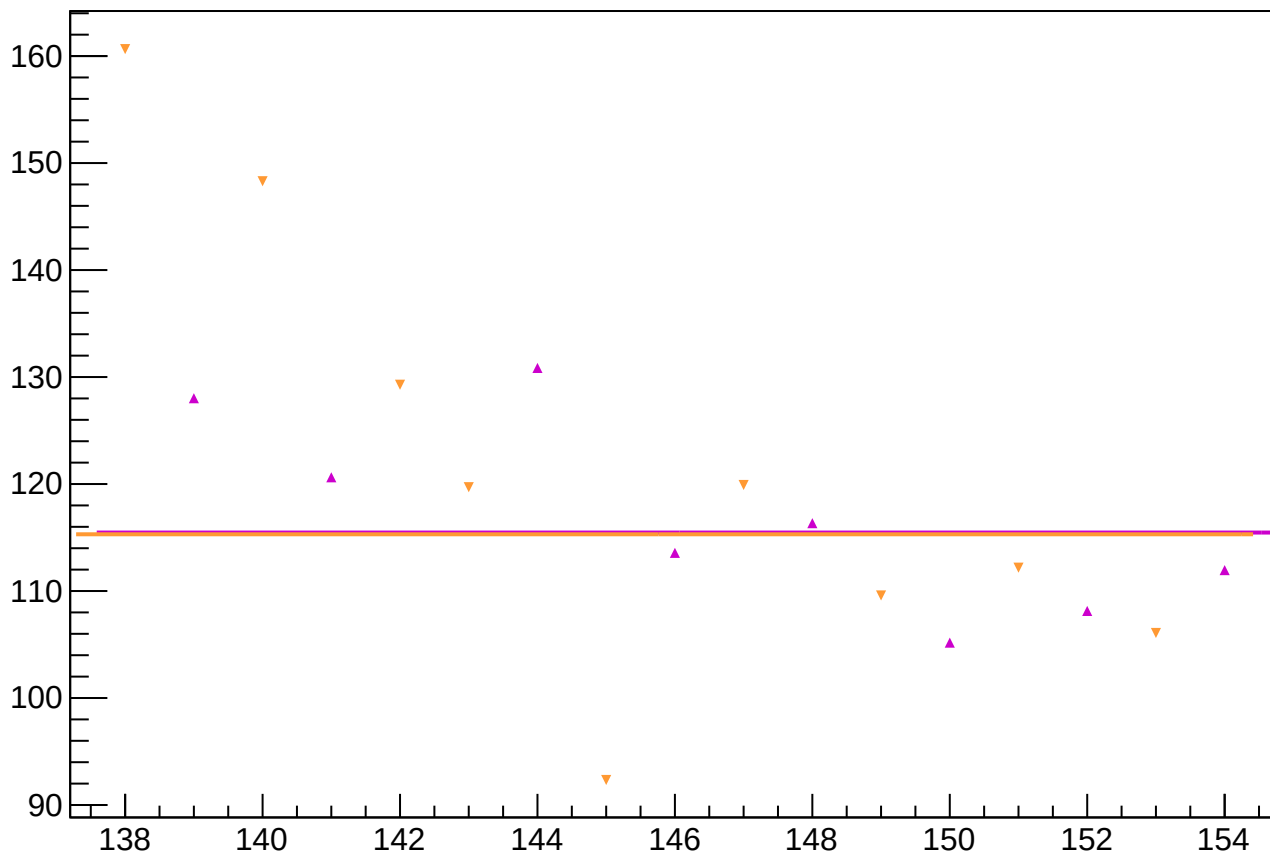
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 112.692 $\pm$ 45.239 χ^2 /NDF:5.7/7

Out: 81.552 $\pm$ 45.963 χ^2 /NDF:6.0/8

All: 97.370 $\pm$ 32.242 χ^2 /NDF: 12.0/16

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 115.303+/-0.033 χ^2/NDF :309450.2/8

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

Left In: 115.465+/-0.032 χ^2/NDF :66815.9/7

Left: 115.385+/-0.023 χ^2/NDF : 376278.9/16

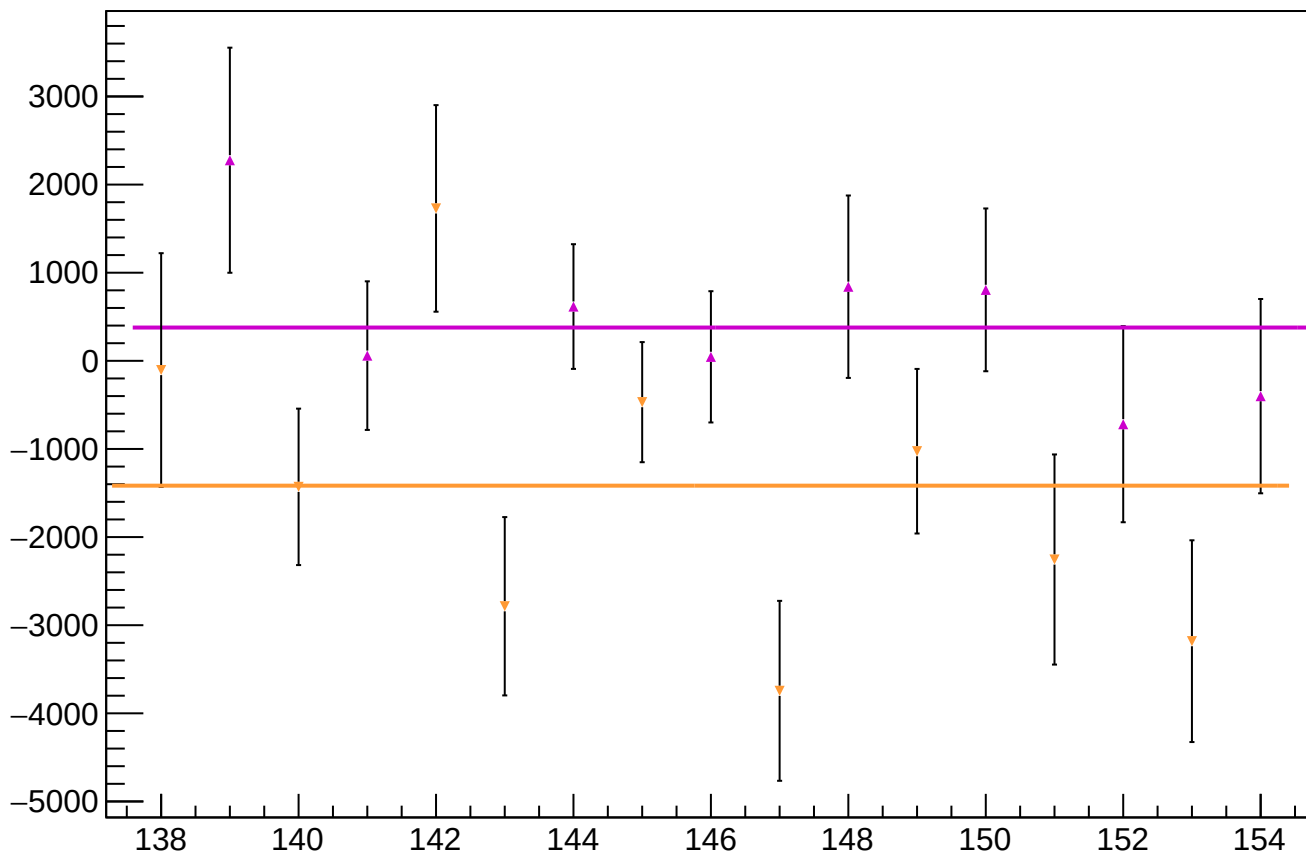
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 115.465+/-0.032 χ^2/NDF :66815.9/7

Out: 115.303+/-0.033 χ^2/NDF :309450.2/8

All: 115.385+/-0.023 χ^2/NDF : 376278.9/16

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1416.528+/-328.481 χ^2/NDF :20.2/8

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

Left In: 377.730+/-323.483 χ^2/NDF :4.6/7

Left: -505.644+/-230.484 χ^2/NDF : 39.9/16

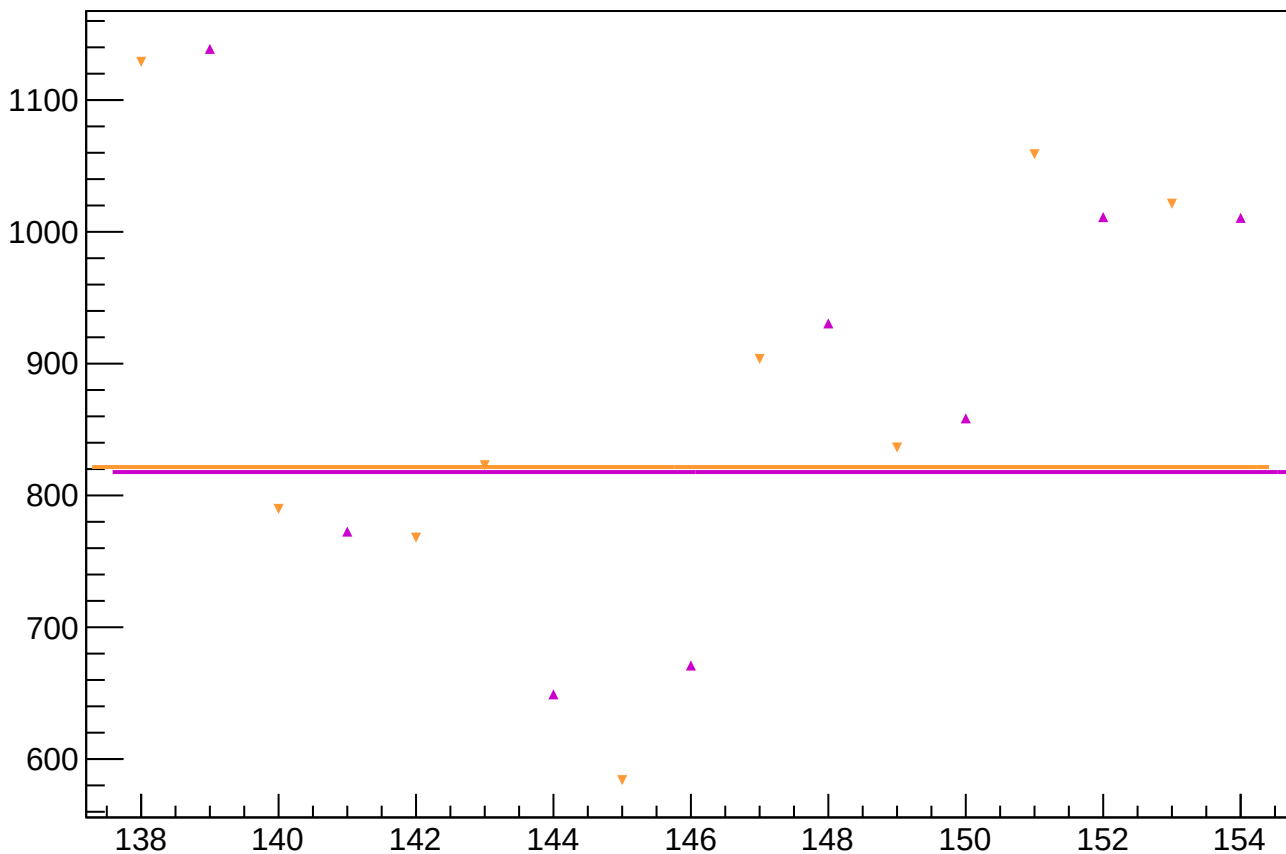
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 377.730+/-323.483 χ^2/NDF :4.6/7

Out: -1416.528+/-328.481 χ^2/NDF :20.2/8

All: -505.644+/-230.484 χ^2/NDF : 39.9/16

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 821.592+/-0.232 χ^2/NDF :510710.4/8

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

Left In: 817.740+/-0.229 χ^2/NDF :472784.9/7

Left: 819.637+/-0.163 χ^2/NDF : 983634.9/16

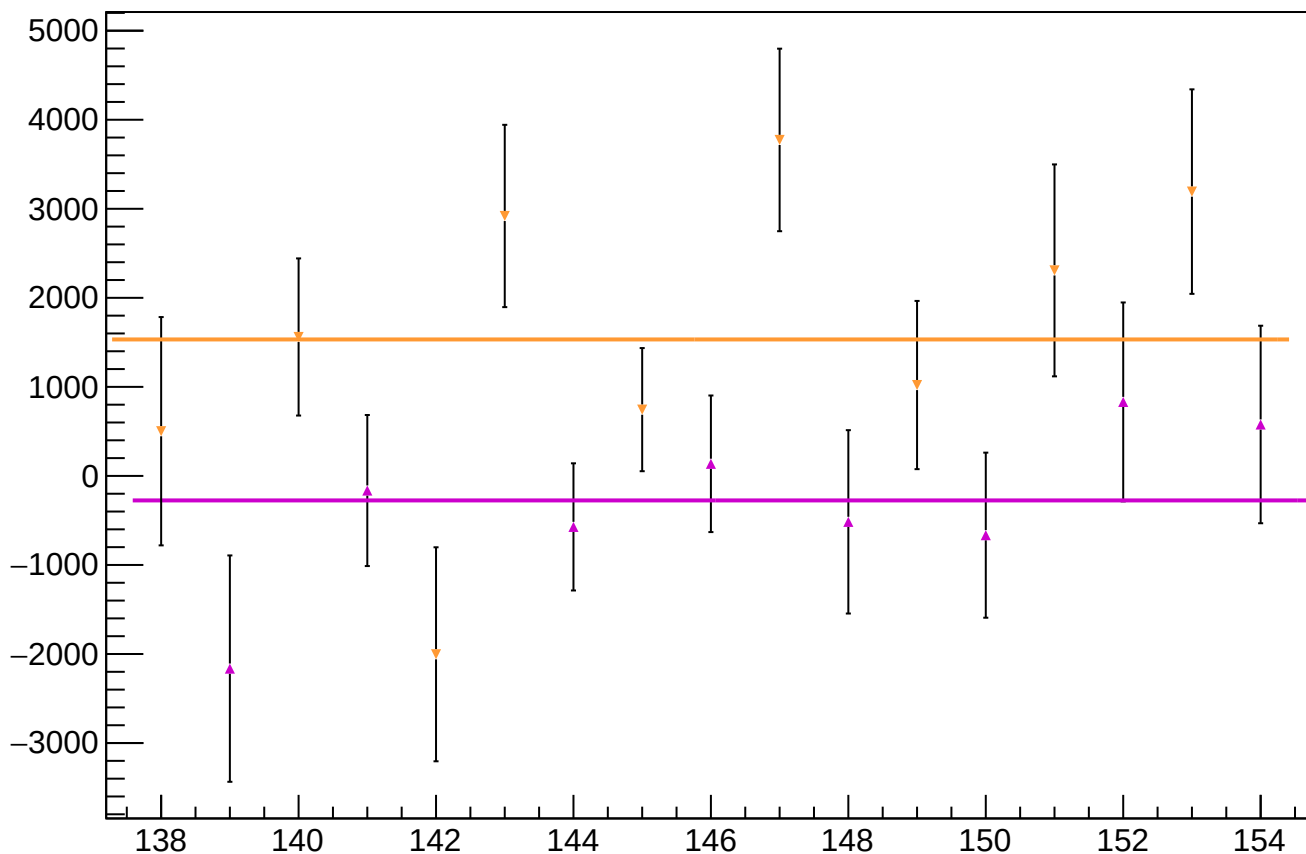
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 817.740+/-0.229 χ^2/NDF :472784.9/7

Out: 821.592+/-0.232 χ^2/NDF :510710.4/8

All: 819.637+/-0.163 χ^2/NDF : 983634.9/16

asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 1532.689+/-330.270 χ^2/NDF :20.0/8

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

Left In: -275.149+/-326.305 χ^2/NDF :4.5/7

Left: 617.855+/-232.122 χ^2/NDF : 39.7/16

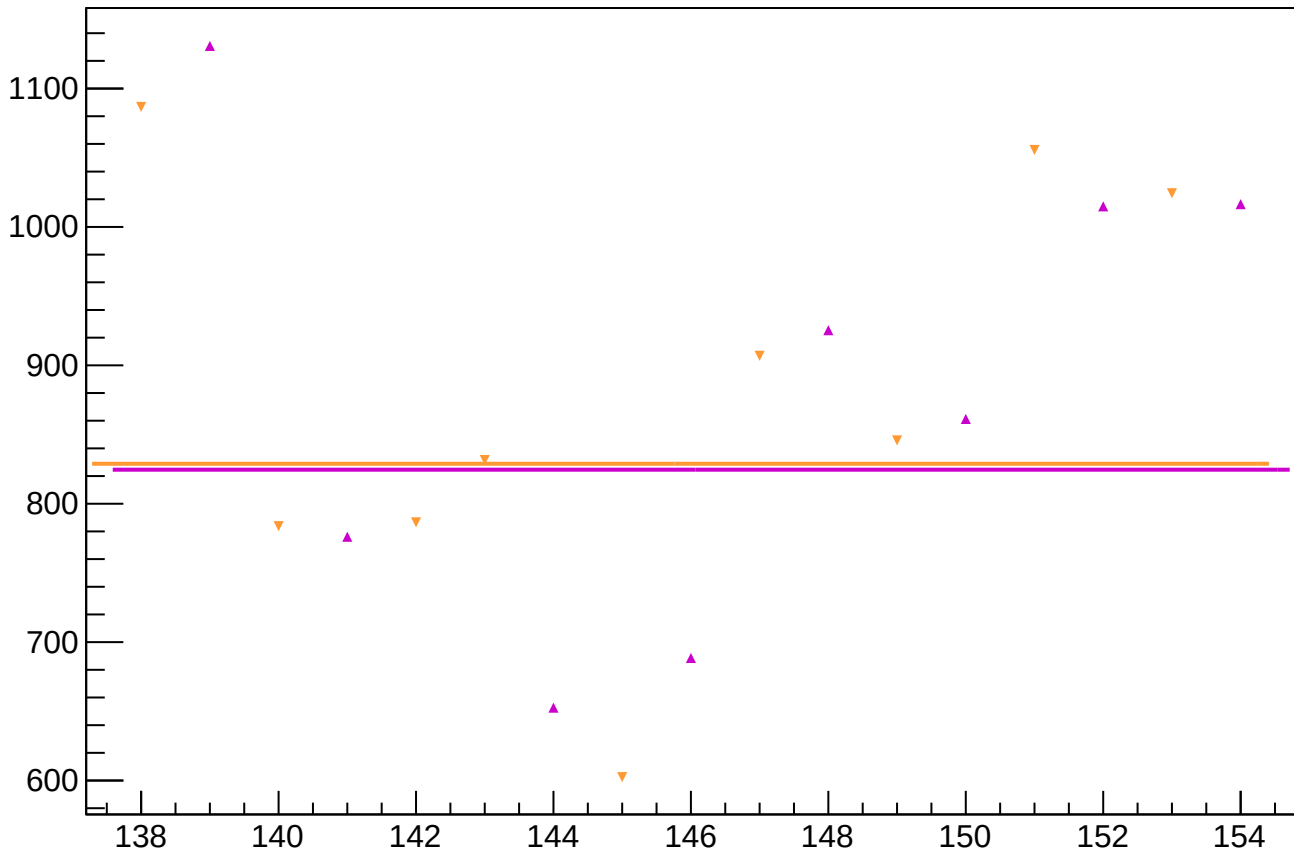
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -275.149+/-326.305 χ^2/NDF :4.5/7

Out: 1532.689+/-330.270 χ^2/NDF :20.0/8

All: 617.855+/-232.122 χ^2/NDF : 39.7/16

asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 828.903+/-0.234 χ^2/NDF :445812.7/8

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

Left In: 824.593+/-0.231 χ^2/NDF :441675.3/7

Left: 826.722+/-0.164 χ^2/NDF : 887660.3/16

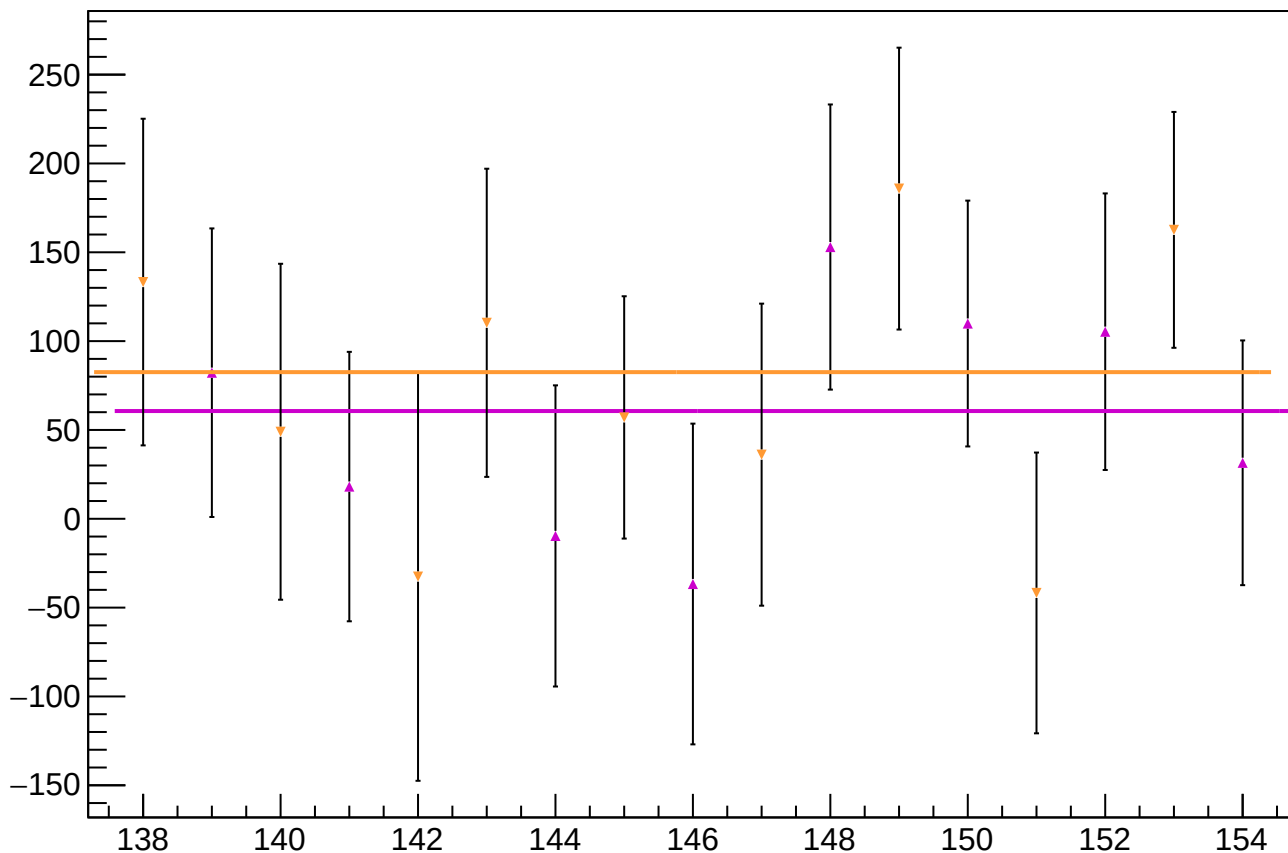
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 824.593+/-0.231 χ^2/NDF :441675.3/7

Out: 828.903+/-0.234 χ^2/NDF :445812.7/8

All: 826.722+/-0.164 χ^2/NDF : 887660.3/16

dit_asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 82.543 $\pm$ 27.336 χ^2 /NDF:7.6/8

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 60.645 $\pm$ 27.446 χ^2 /NDF:4.6/7

Left: 71.638 $\pm$ 19.368 χ^2 /NDF: 12.5/16

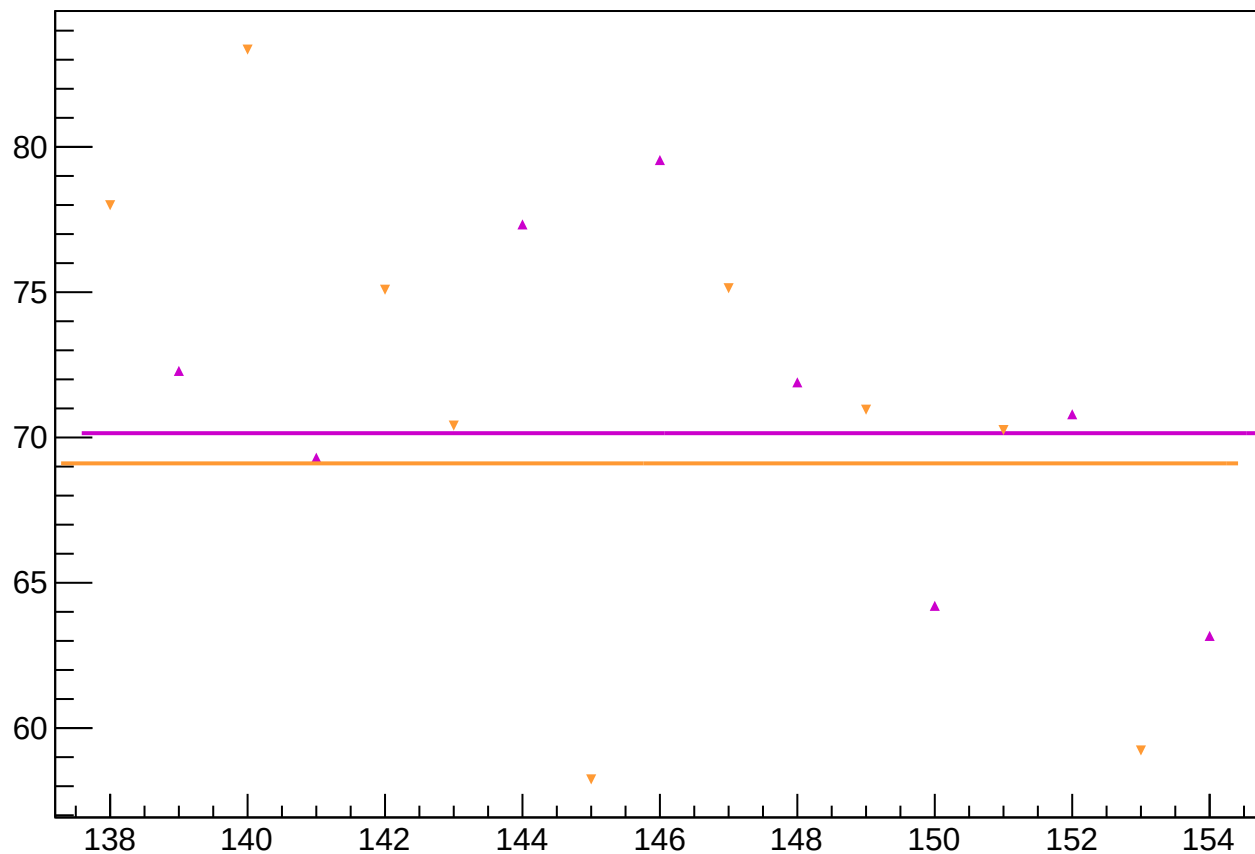
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 60.645 $\pm$ 27.446 χ^2 /NDF:4.6/7

Out: 82.543 $\pm$ 27.336 χ^2 /NDF:7.6/8

All: 71.638 $\pm$ 19.368 χ^2 /NDF: 12.5/16

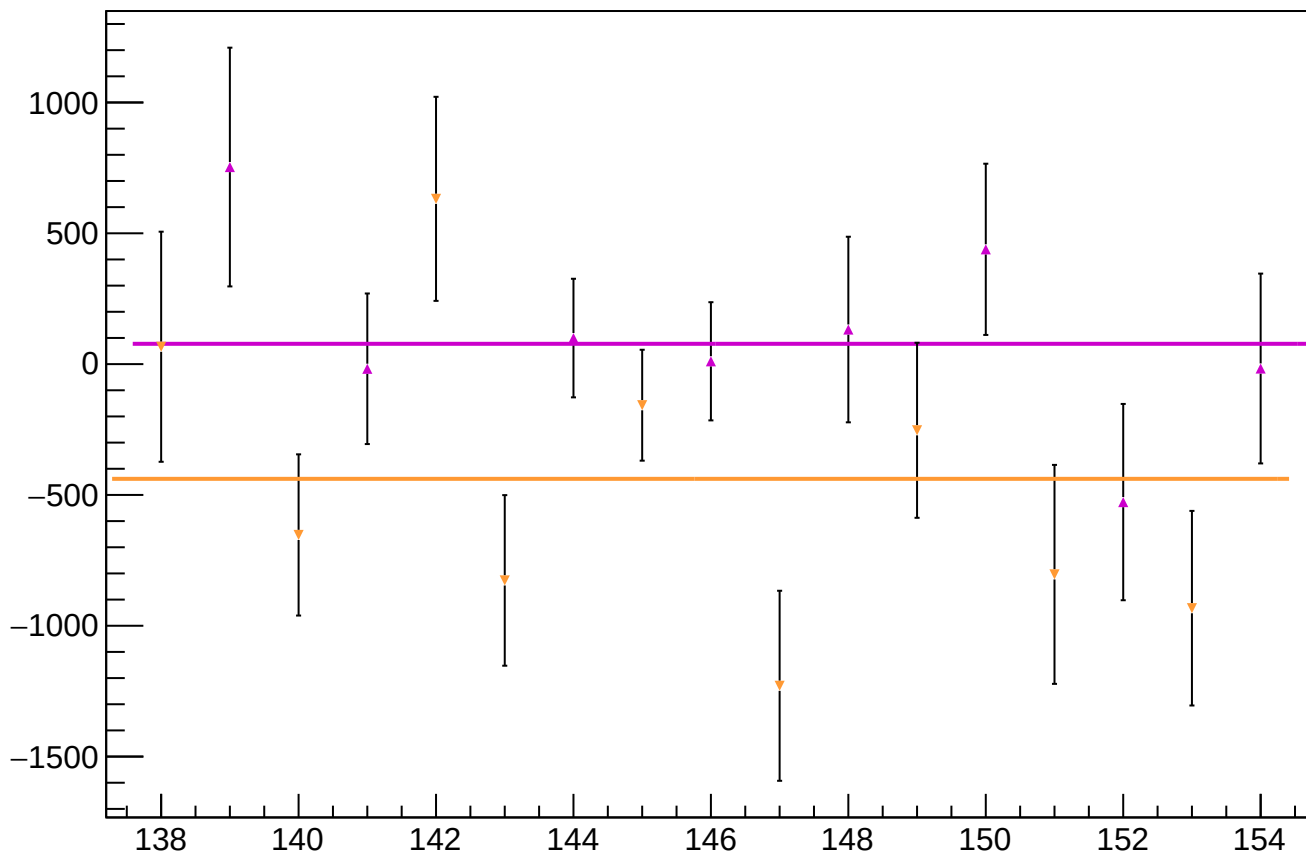
dit_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 69.109+/-0.019 χ^2/NDF :176609.1/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 70.148+/-0.019 χ^2/NDF :74057.0/7

Left: 69.627+/-0.014 χ^2/NDF : 252104.3/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 70.148+/-0.019 χ^2/NDF :74057.0/7
 Out: 69.109+/-0.019 χ^2/NDF :176609.1/8
 All: 69.627+/-0.014 χ^2/NDF : 252104.3/16

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -438.472+/-109.494 χ^2/NDF :20.1/8

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

Left In: 77.627+/-106.634 χ^2/NDF :6.3/7

Left: -173.594+/-76.393 χ^2/NDF : 37.8/16

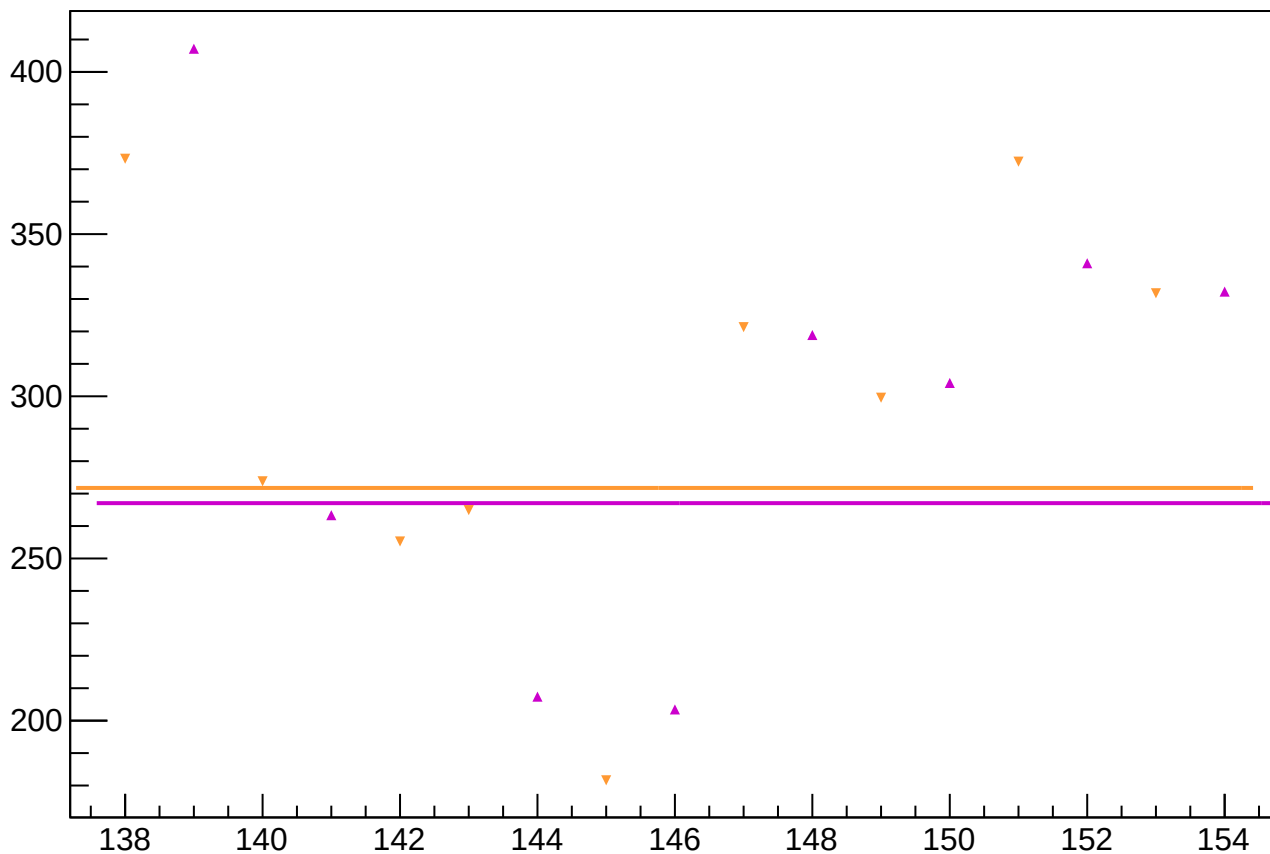
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 77.627+/-106.634 χ^2/NDF :6.3/7

Out: -438.472+/-109.494 χ^2/NDF :20.1/8

All: -173.594+/-76.393 χ^2/NDF : 37.8/16

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 271.747+/-0.077 χ^2/NDF :691552.6/8

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

Left In: 267.058+/-0.075 χ^2/NDF :696808.7/7

Left: 269.340+/-0.054 χ^2/NDF : 1390243.6/16

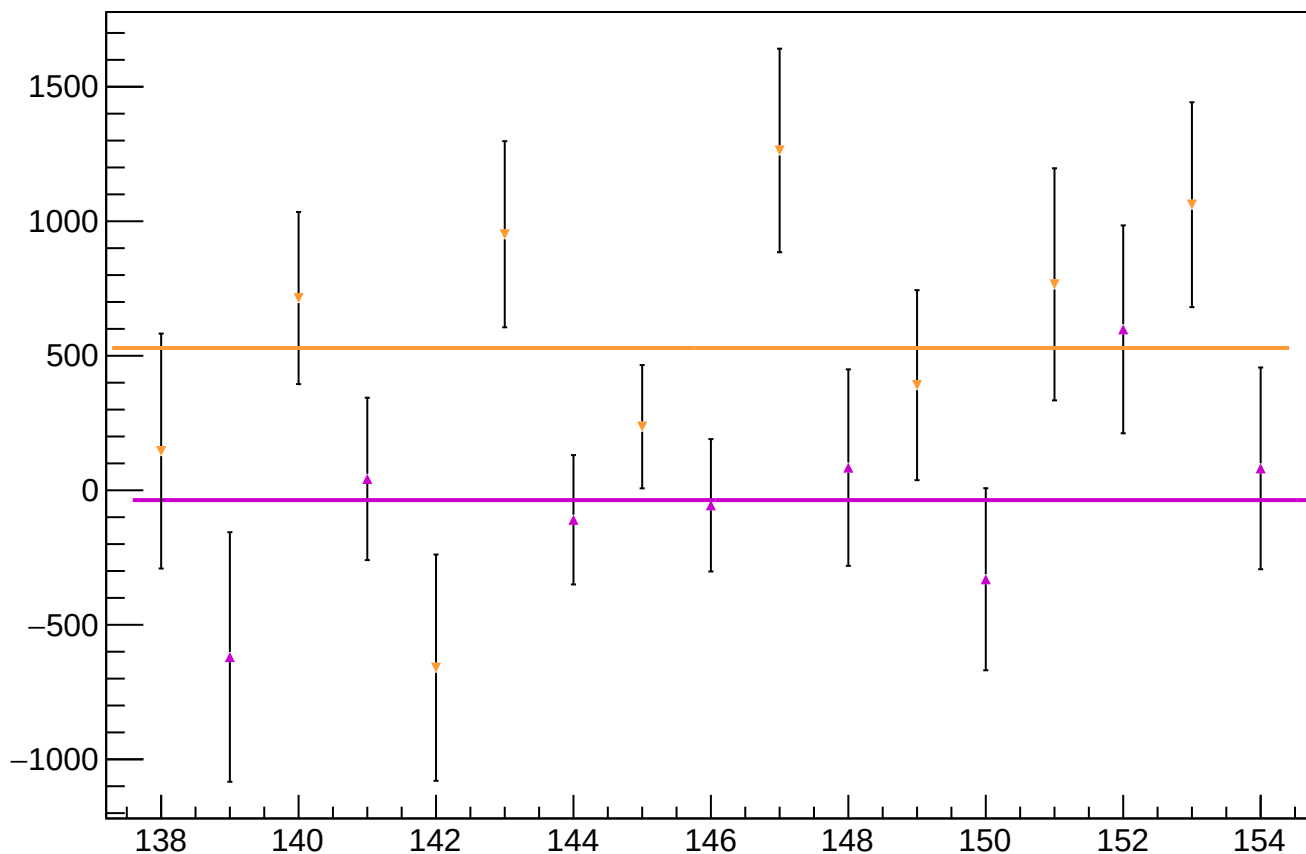
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 267.058+/-0.075 χ^2/NDF :696808.7/7

Out: 271.747+/-0.077 χ^2/NDF :691552.6/8

All: 269.340+/-0.054 χ^2/NDF : 1390243.6/16

asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 529.159+/-115.193 χ^2/NDF :18.4/8

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

Left In: -36.486+/-112.163 χ^2/NDF :5.4/7

Left: 238.800+/-80.361 χ^2/NDF : 36.2/16

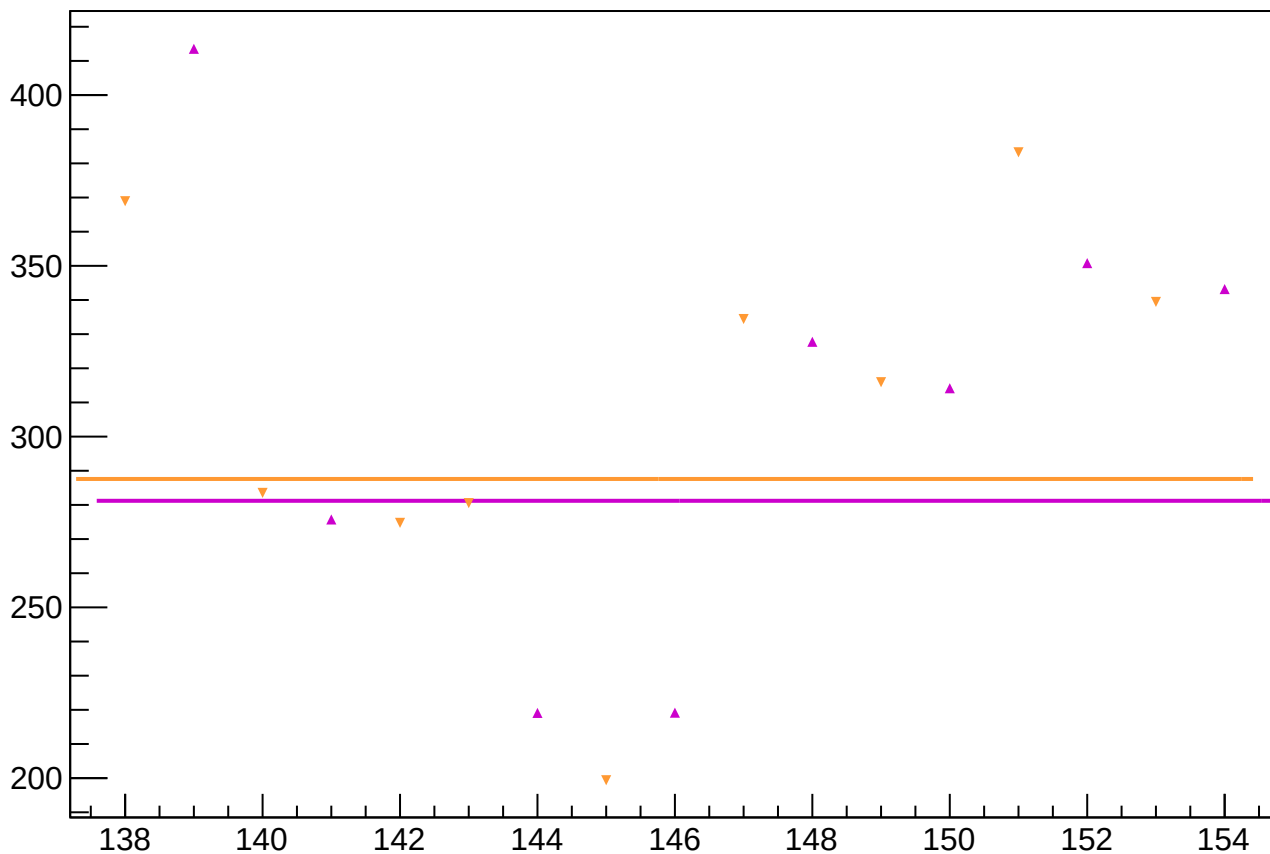
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -36.486+/-112.163 χ^2/NDF :5.4/7

Out: 529.159+/-115.193 χ^2/NDF :18.4/8

All: 238.800+/-80.361 χ^2/NDF : 36.2/16

asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 287.598+/-0.081 χ^2/NDF :547860.1/8

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

Left In: 281.205+/-0.079 χ^2/NDF :595093.8/7

Left: 284.316+/-0.057 χ^2/NDF : 1146116.0/16

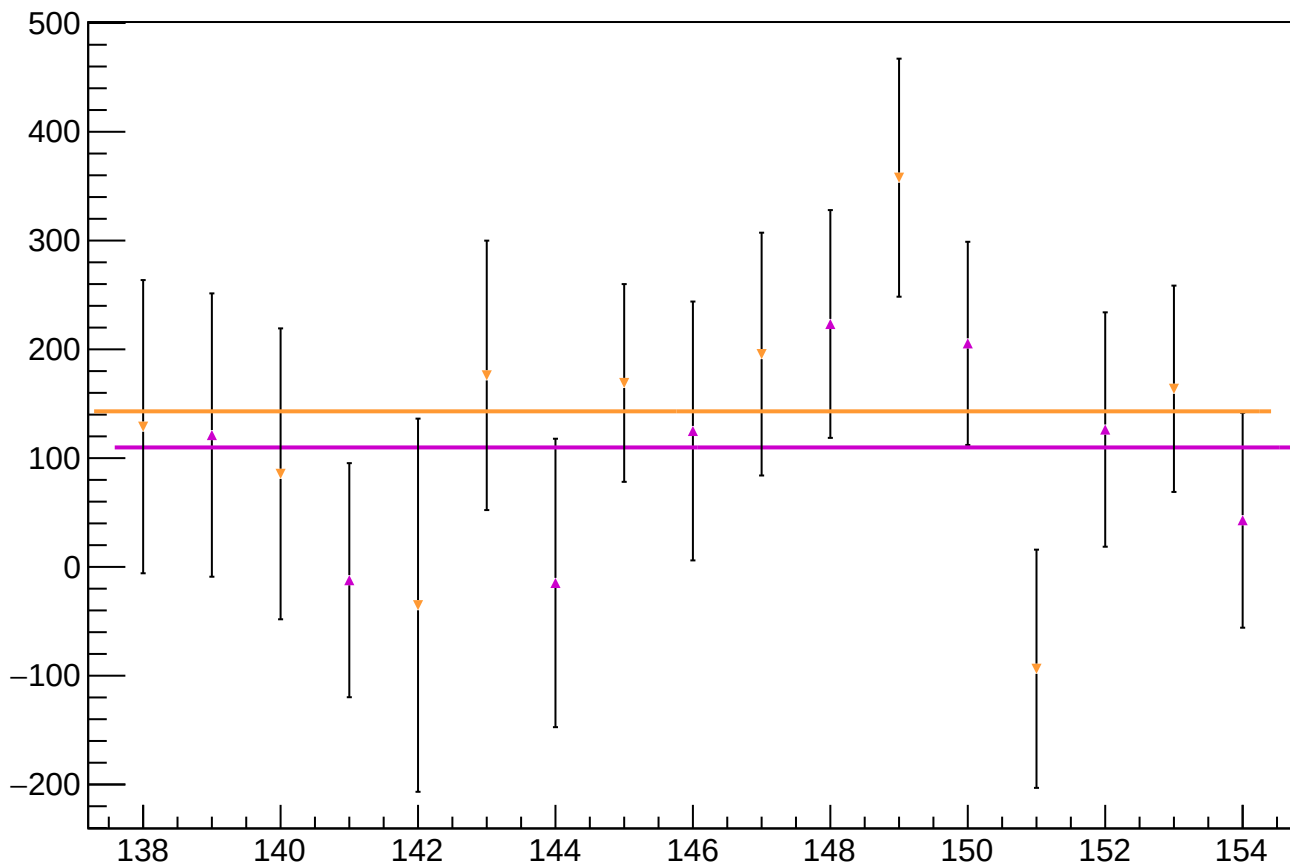
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 281.205+/-0.079 χ^2/NDF :595093.8/7

Out: 287.598+/-0.081 χ^2/NDF :547860.1/8

All: 284.316+/-0.057 χ^2/NDF : 1146116.0/16

dit_asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 143.018+/-38.079 χ^2/NDF :10.2/8

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

Left In: 109.833+/-38.710 χ^2/NDF :4.9/7

Left: 126.698+/-27.146 χ^2/NDF : 15.5/16

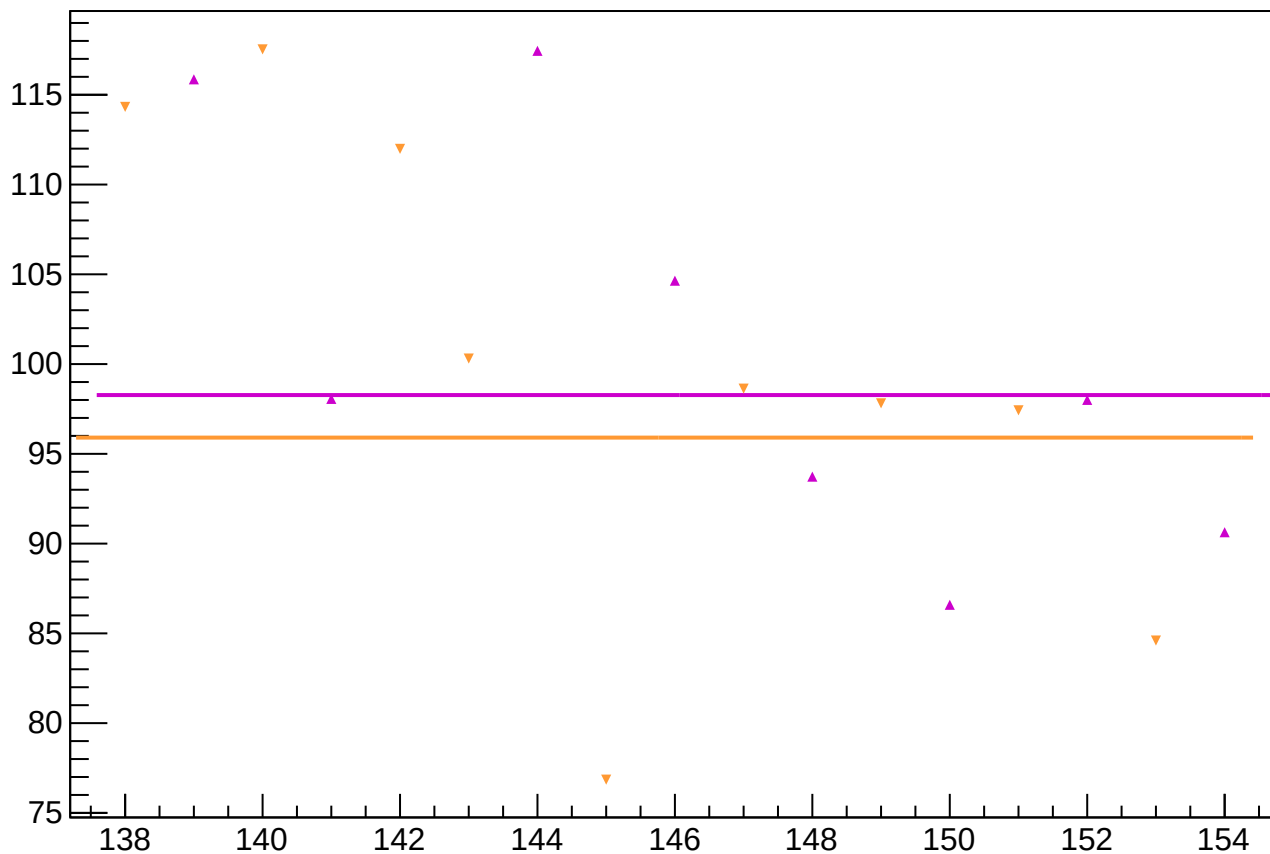
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 109.833+/-38.710 χ^2/NDF :4.9/7

Out: 143.018+/-38.079 χ^2/NDF :10.2/8

All: 126.698+/-27.146 χ^2/NDF : 15.5/16

dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 95.905+/-0.027 χ^2/NDF :228270.6/8

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

Left In: 98.274+/-0.027 χ^2/NDF :131084.5/7

Left: 97.070+/-0.019 χ^2/NDF : 363163.9/16

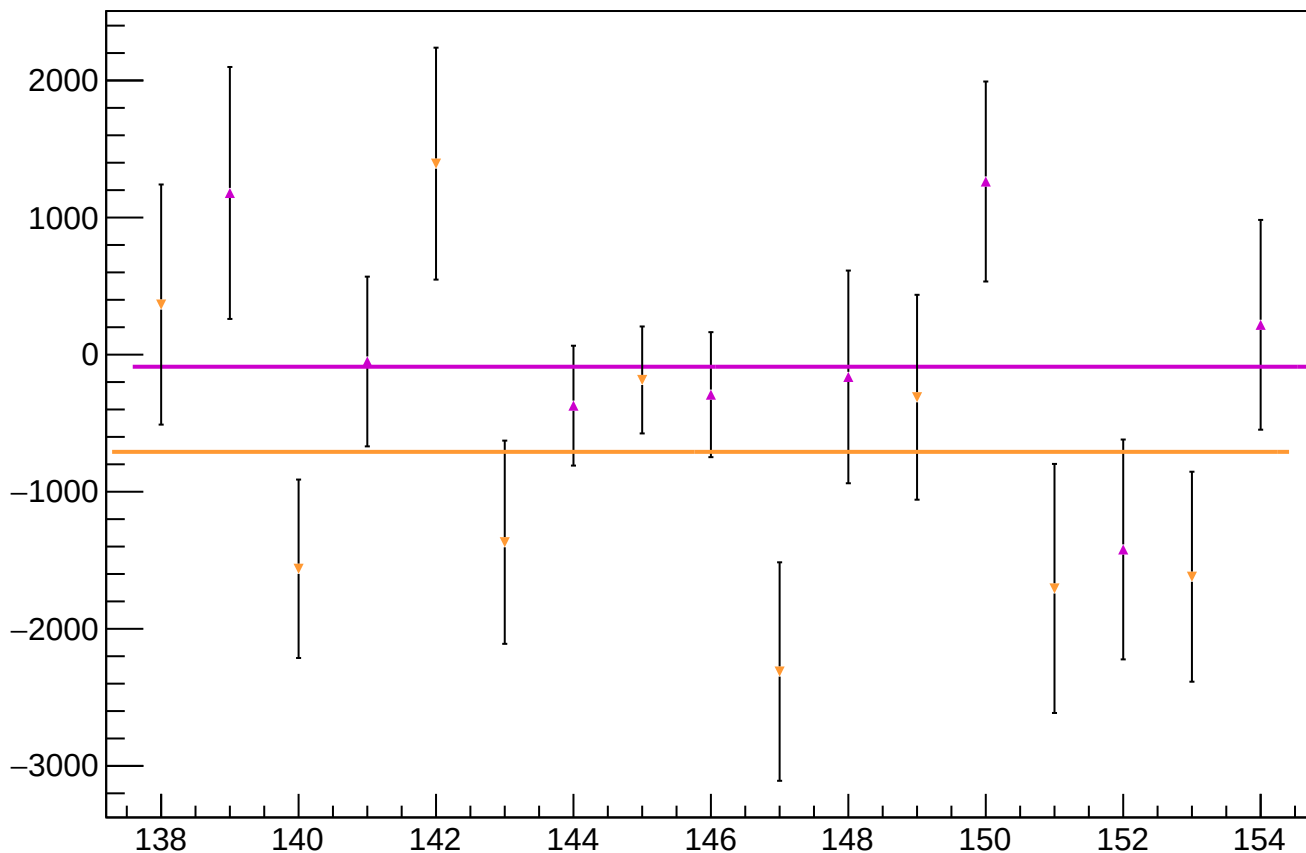
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 98.274+/-0.027 χ^2/NDF :131084.5/7

Out: 95.905+/-0.027 χ^2/NDF :228270.6/8

All: 97.070+/-0.019 χ^2/NDF : 363163.9/16

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -709.110+/-225.101 χ^2/NDF : 18.9/8

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

Left In: -88.175+/-220.112 χ^2/NDF : 8.9/7

Left: -391.685+/-157.377 χ^2/NDF : 31.7/16

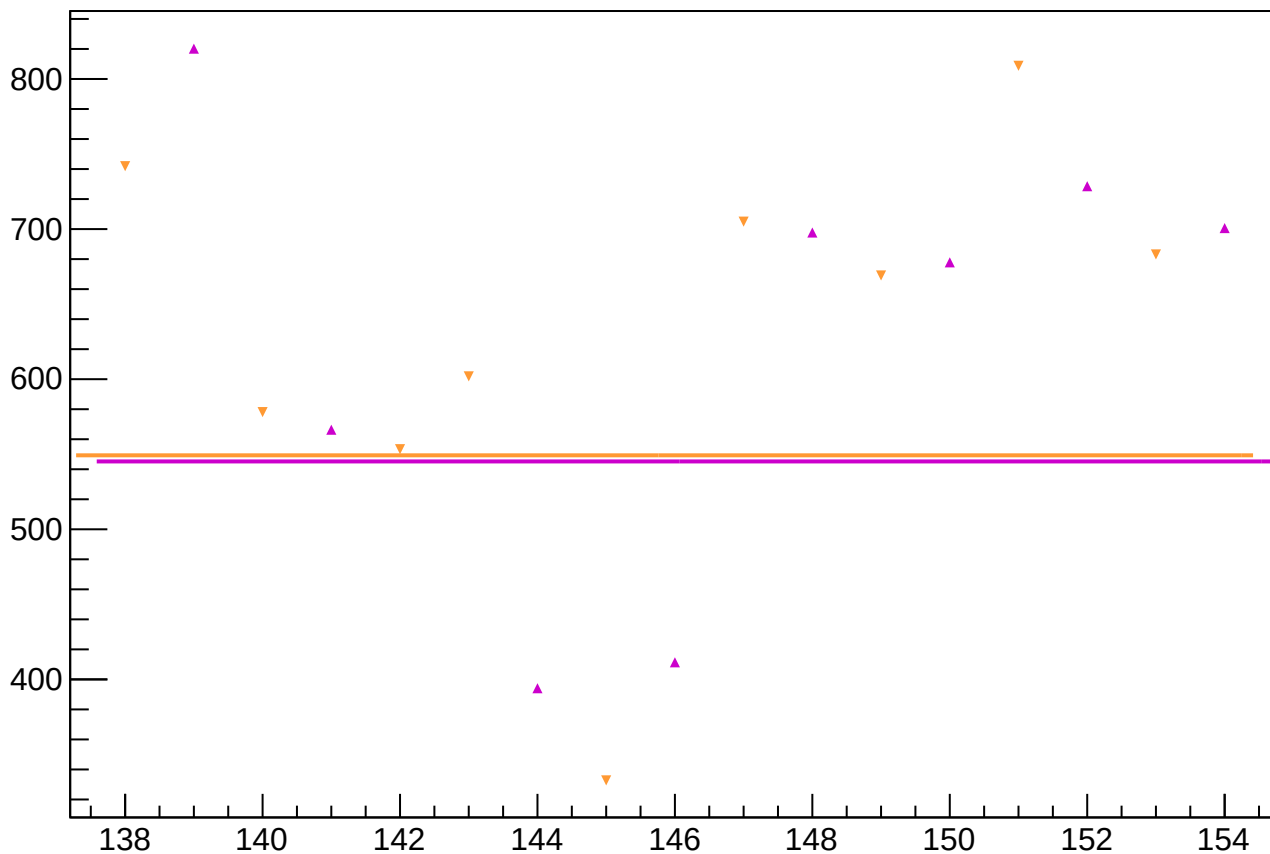
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -88.175+/-220.112 χ^2/NDF : 8.9/7

Out: -709.110+/-225.101 χ^2/NDF : 18.9/8

All: -391.685+/-157.377 χ^2/NDF : 31.7/16

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 549.286+/-0.159 χ^2/NDF :1079135.7/8

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

Left In: 545.209+/-0.156 χ^2/NDF :923150.2/7

Left: 547.202+/-0.111 χ^2/NDF : 2002621.2/16

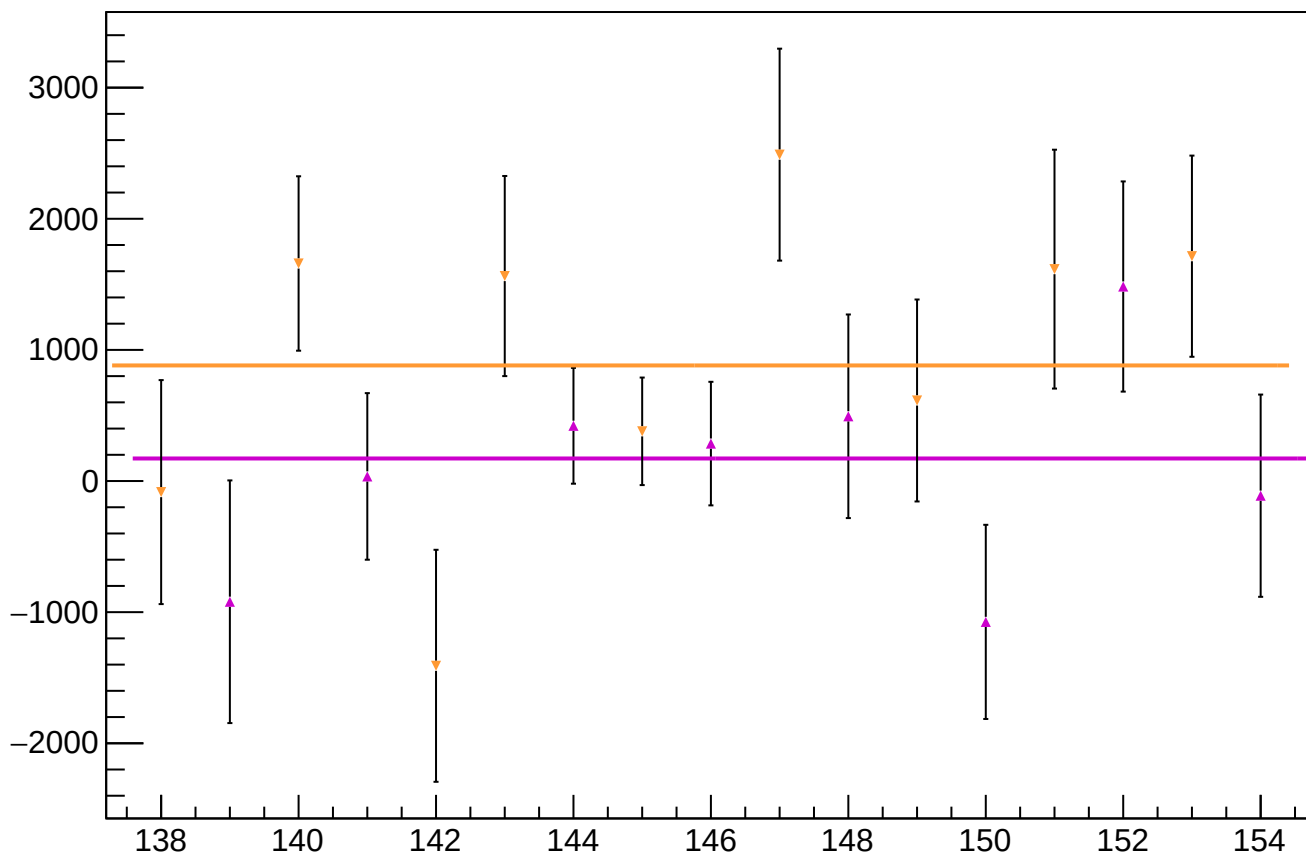
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 545.209+/-0.156 χ^2/NDF :923150.2/7

Out: 549.286+/-0.159 χ^2/NDF :1079135.7/8

All: 547.202+/-0.111 χ^2/NDF : 2002621.2/16

asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 881.541+/-231.267 χ^2/NDF :17.6/8

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

Left In: 171.922+/-223.610 χ^2/NDF :7.6/7

Left: 514.790+/-160.755 χ^2/NDF : 30.1/16

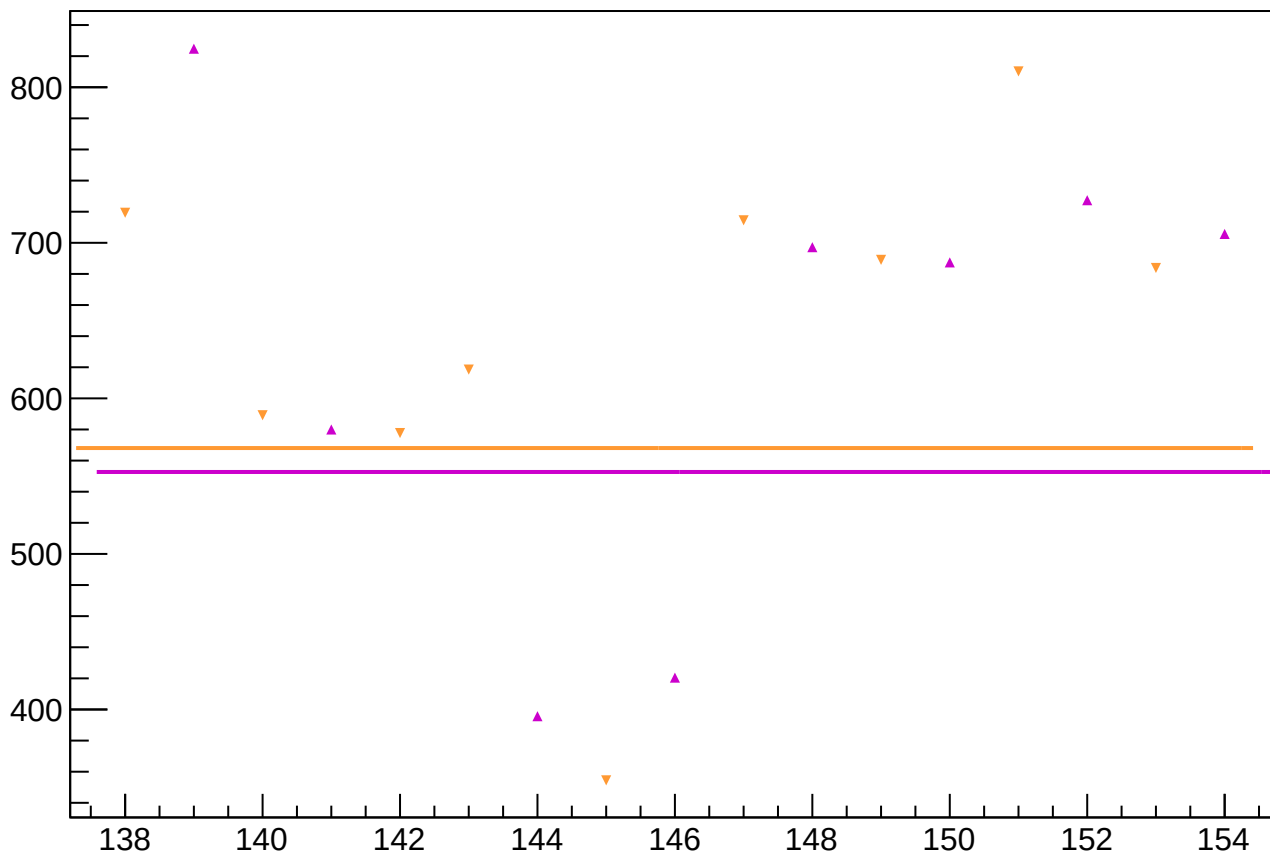
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 171.922+/-223.610 χ^2/NDF :7.6/7

Out: 881.541+/-231.267 χ^2/NDF :17.6/8

All: 514.790+/-160.755 χ^2/NDF : 30.1/16

asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 568.068+/-0.164 χ^2/NDF : 918461.2/8

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

Left In: 552.680+/-0.158 χ^2/NDF : 896164.7/7

Left: 560.115+/-0.114 χ^2/NDF : 1819201.9/16

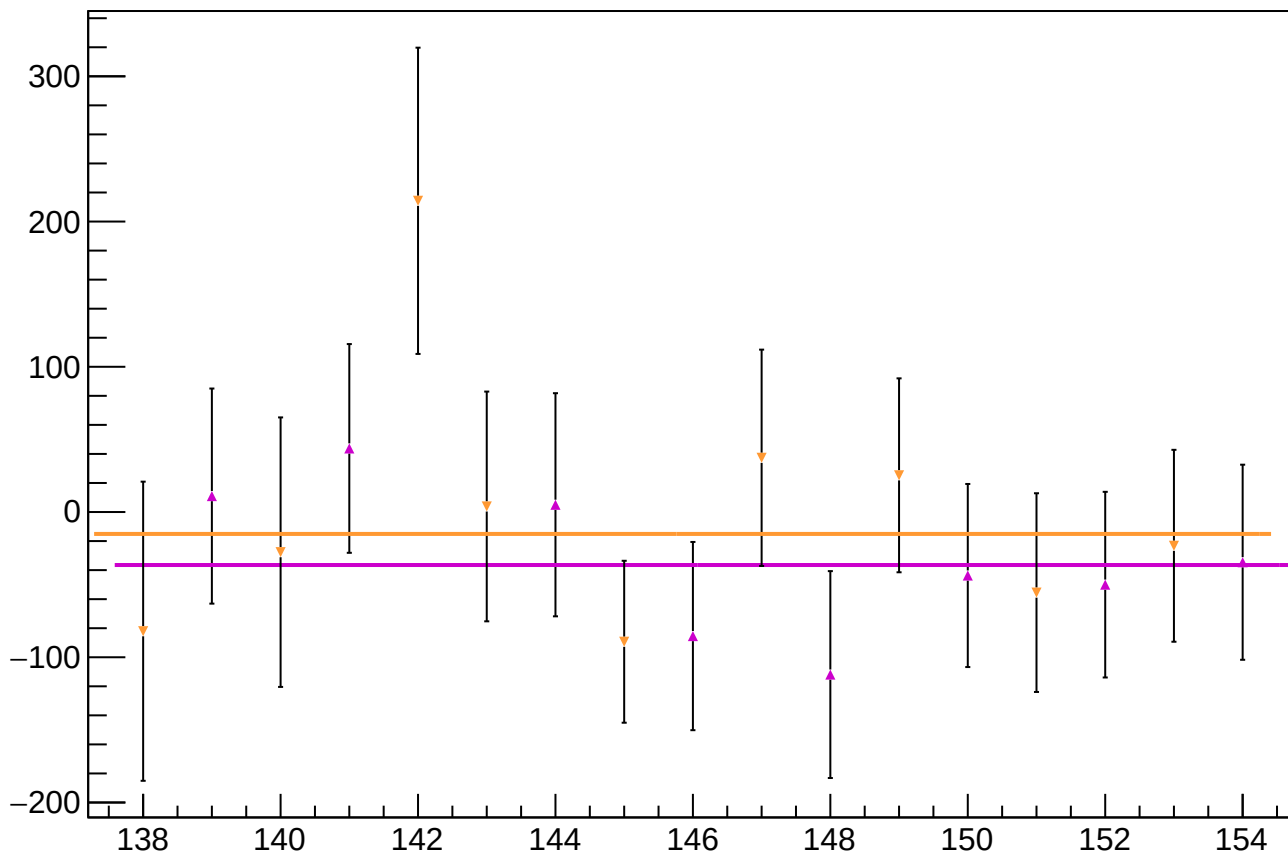
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 552.680+/-0.158 χ^2/NDF : 896164.7/7

Out: 568.068+/-0.164 χ^2/NDF : 918461.2/8

All: 560.115+/-0.114 χ^2/NDF : 1819201.9/16

dit_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -15.085+/-24.773 χ^2/NDF : 8.2/8

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

Left In: -36.484+/-24.261 χ^2/NDF : 3.7/7

Left: -26.008+/-17.333 χ^2/NDF : 12.3/16

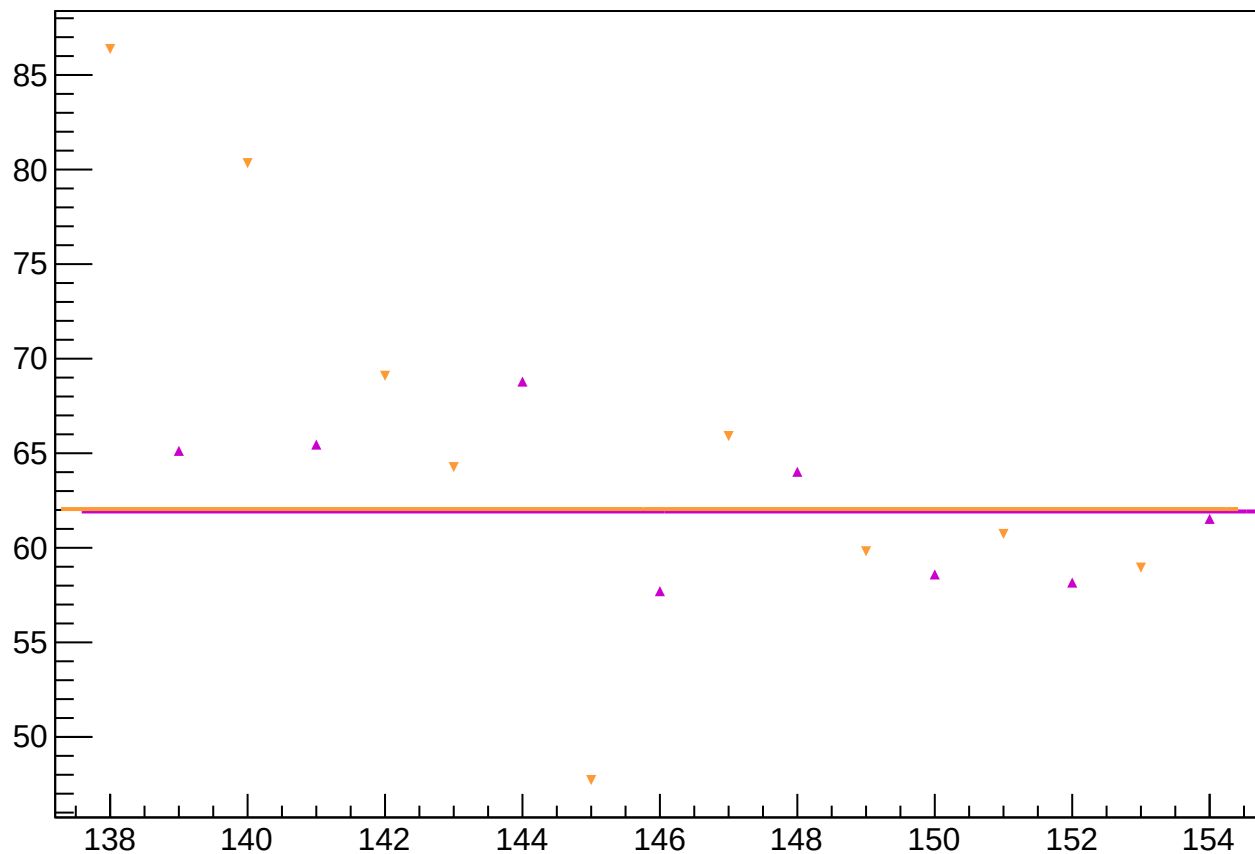
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -36.484+/-24.261 χ^2/NDF : 3.7/7

Out: -15.085+/-24.773 χ^2/NDF : 8.2/8

All: -26.008+/-17.333 χ^2/NDF : 12.3/16

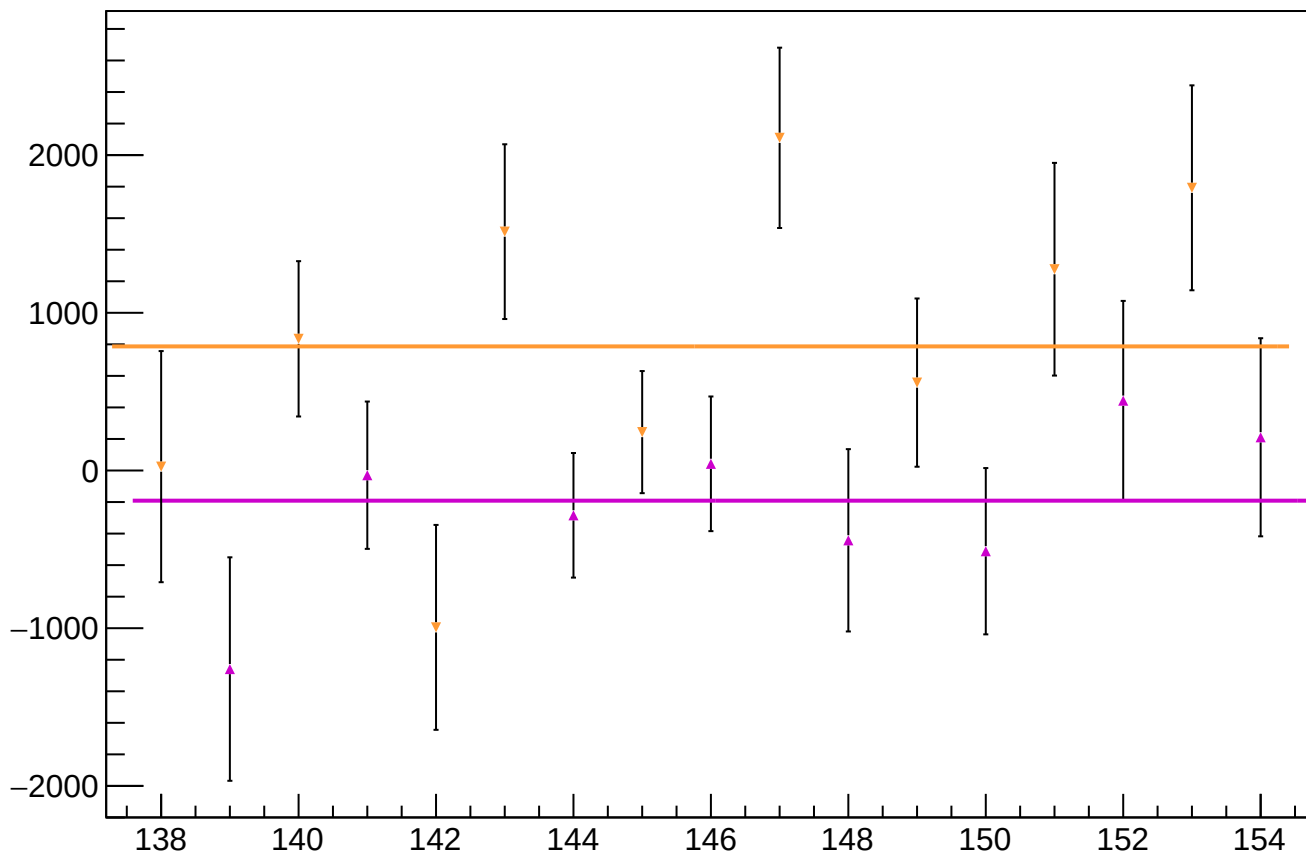
dit_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 62.049+/-0.018 χ^2/NDF :344635.8/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 61.921+/-0.017 χ^2/NDF :47340.7/7

Left: 61.984+/-0.012 χ^2/NDF : 392003.9/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 61.921+/-0.017 χ^2/NDF :47340.7/7
 Out: 62.049+/-0.018 χ^2/NDF :344635.8/8
 All: 61.984+/-0.012 χ^2/NDF : 392003.9/16

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: 786.946+/-184.354 χ^2/NDF :20.8/8

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

Left In: -191.266+/-182.291 χ^2/NDF :4.7/7

Left: 292.336+/-129.622 χ^2/NDF : 39.7/16

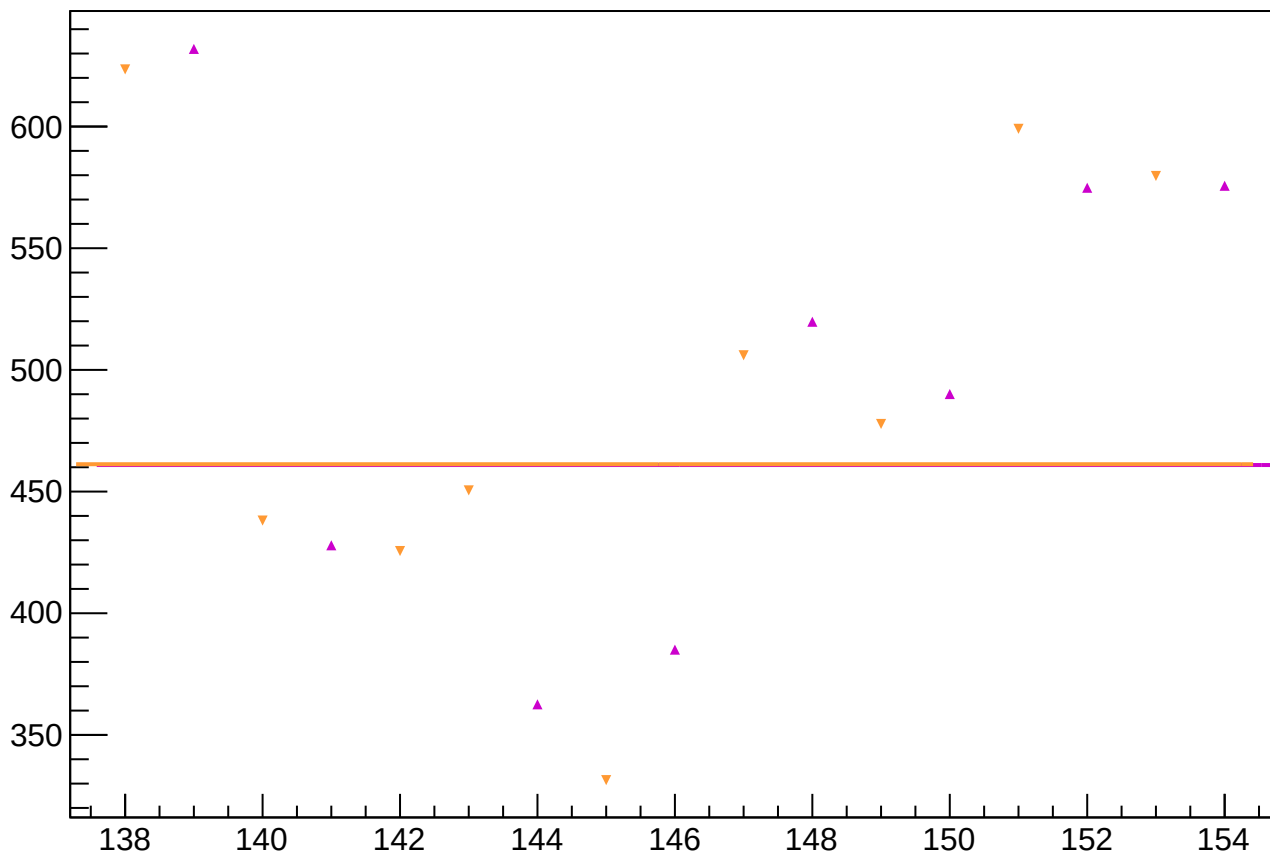
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -191.266+/-182.291 χ^2/NDF :4.7/7

Out: 786.946+/-184.354 χ^2/NDF :20.8/8

All: 292.336+/-129.622 χ^2/NDF : 39.7/16

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: 461.239+/-0.130 χ^2/NDF : 498260.3/8

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

Left In: 460.909+/-0.129 χ^2/NDF : 472041.6/7

Left: 461.072+/-0.092 χ^2/NDF : 970305.2/16

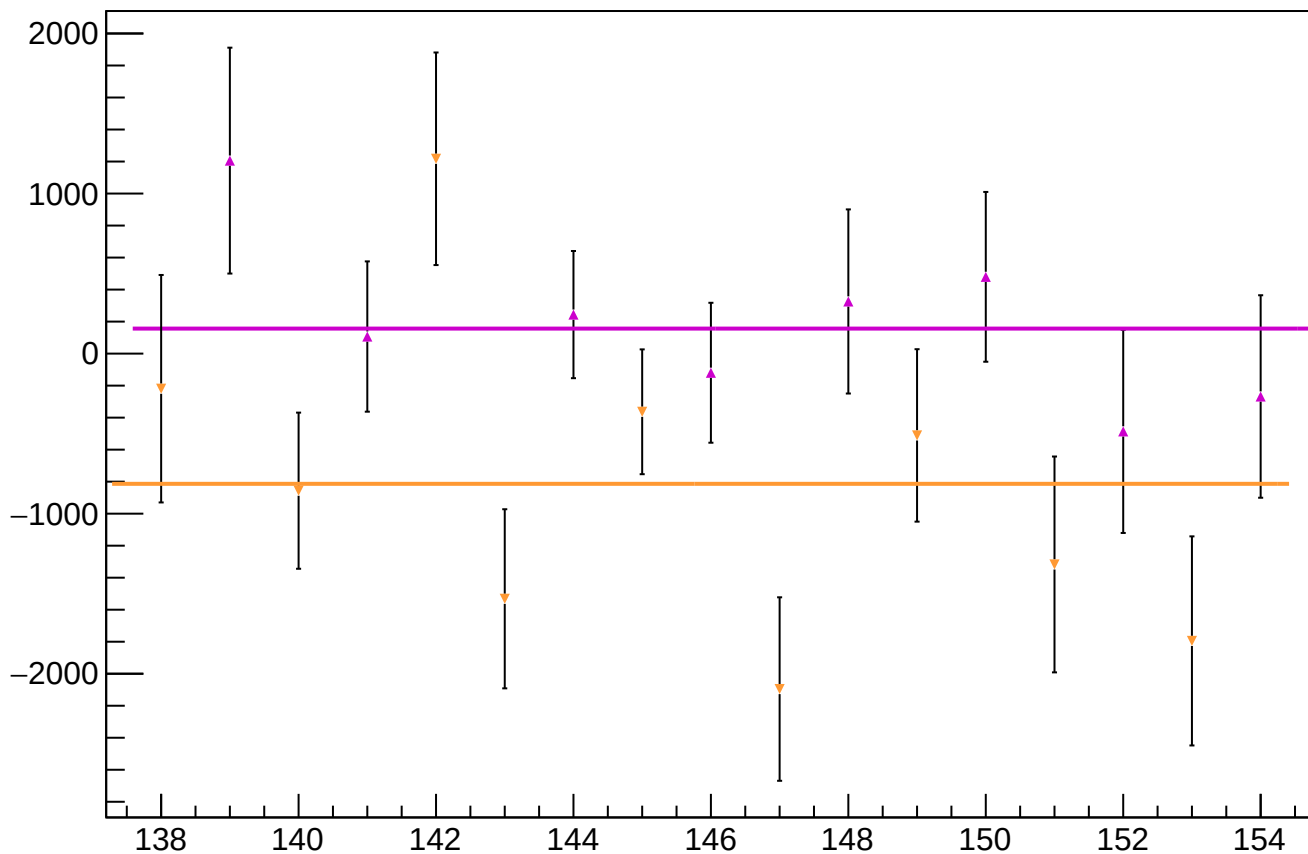
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 460.909+/-0.129 χ^2/NDF : 472041.6/7

Out: 461.239+/-0.130 χ^2/NDF : 498260.3/8

All: 461.072+/-0.092 χ^2/NDF : 970305.2/16

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -813.570+/-184.884 χ^2/NDF :21.2/8

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

Left In: 156.303+/-183.582 χ^2/NDF :4.6/7

Left: -325.205+/-130.270 χ^2/NDF : 39.6/16

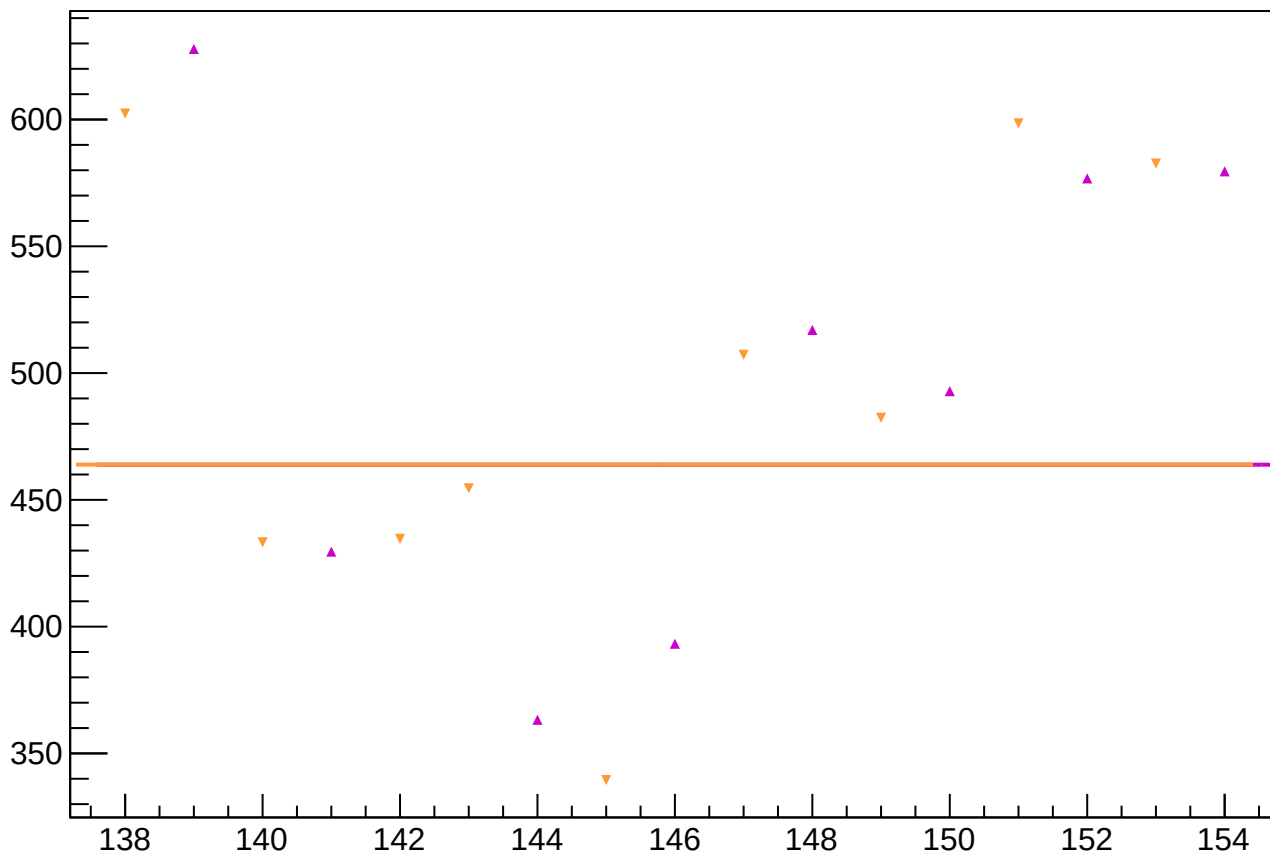
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 156.303+/-183.582 χ^2/NDF :4.6/7

Out: -813.570+/-184.884 χ^2/NDF :21.2/8

All: -325.205+/-130.270 χ^2/NDF : 39.6/16

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 463.909+/-0.131 χ^2/NDF : 451462.5/8

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

Left In: 463.870+/-0.130 χ^2/NDF : 452351.5/7

Left: 463.889+/-0.092 χ^2/NDF : 903814.1/16

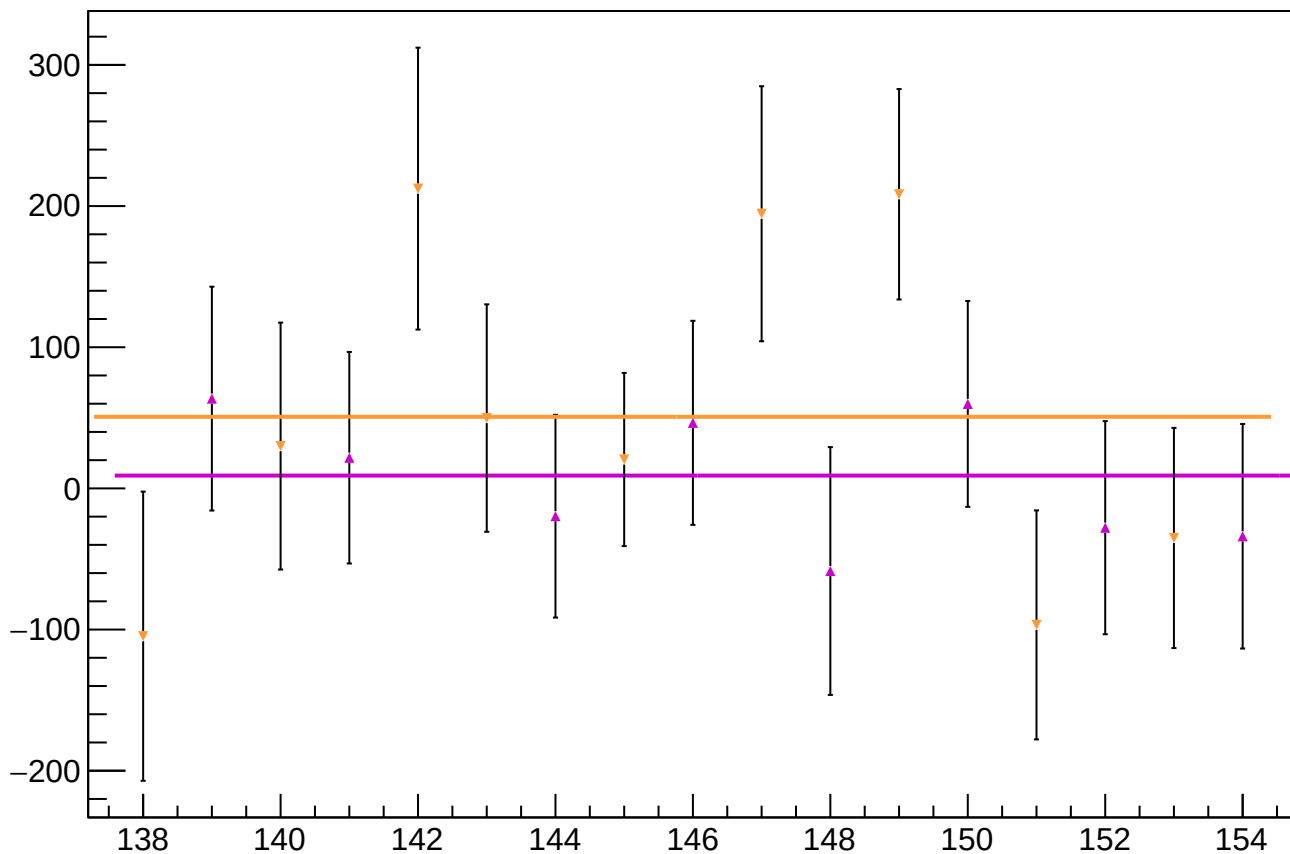
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 463.870+/-0.130 χ^2/NDF : 452351.5/7

Out: 463.909+/-0.131 χ^2/NDF : 451462.5/8

All: 463.889+/-0.092 χ^2/NDF : 903814.1/16

dit_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: 50.730 $\pm$ 27.067 χ^2 /NDF:16.7/8

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 9.078 $\pm$ 26.977 χ^2 /NDF:2.5/7

Left: 29.835 $\pm$ 19.107 χ^2 /NDF: 20.5/16

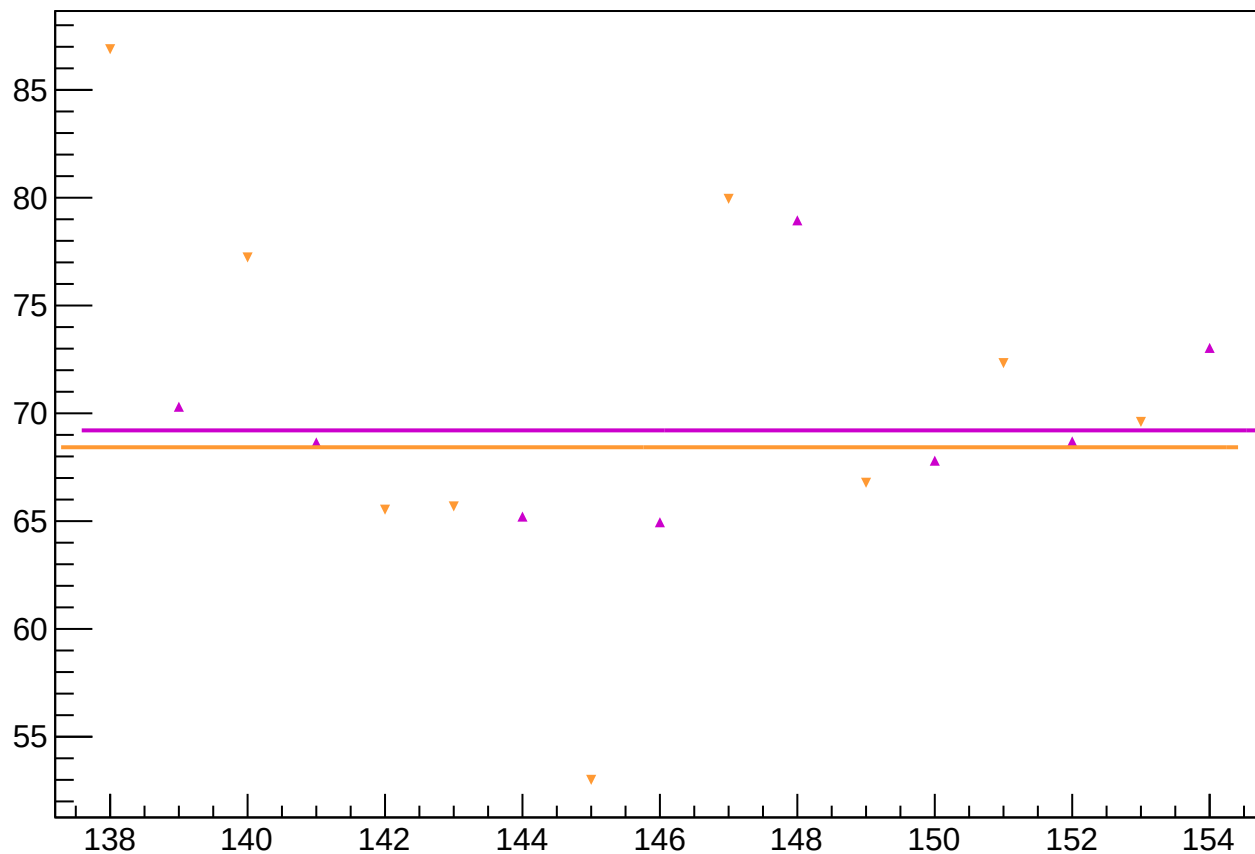
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 9.078 $\pm$ 26.977 χ^2 /NDF:2.5/7

Out: 50.730 $\pm$ 27.067 χ^2 /NDF:16.7/8

All: 29.835 $\pm$ 19.107 χ^2 /NDF: 20.5/16

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 68.426+/-0.019 χ^2/NDF :254245.6/8

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

Left In: 69.209+/-0.019 χ^2/NDF :43745.2/7

Left: 68.819+/-0.014 χ^2/NDF : 298830.0/16

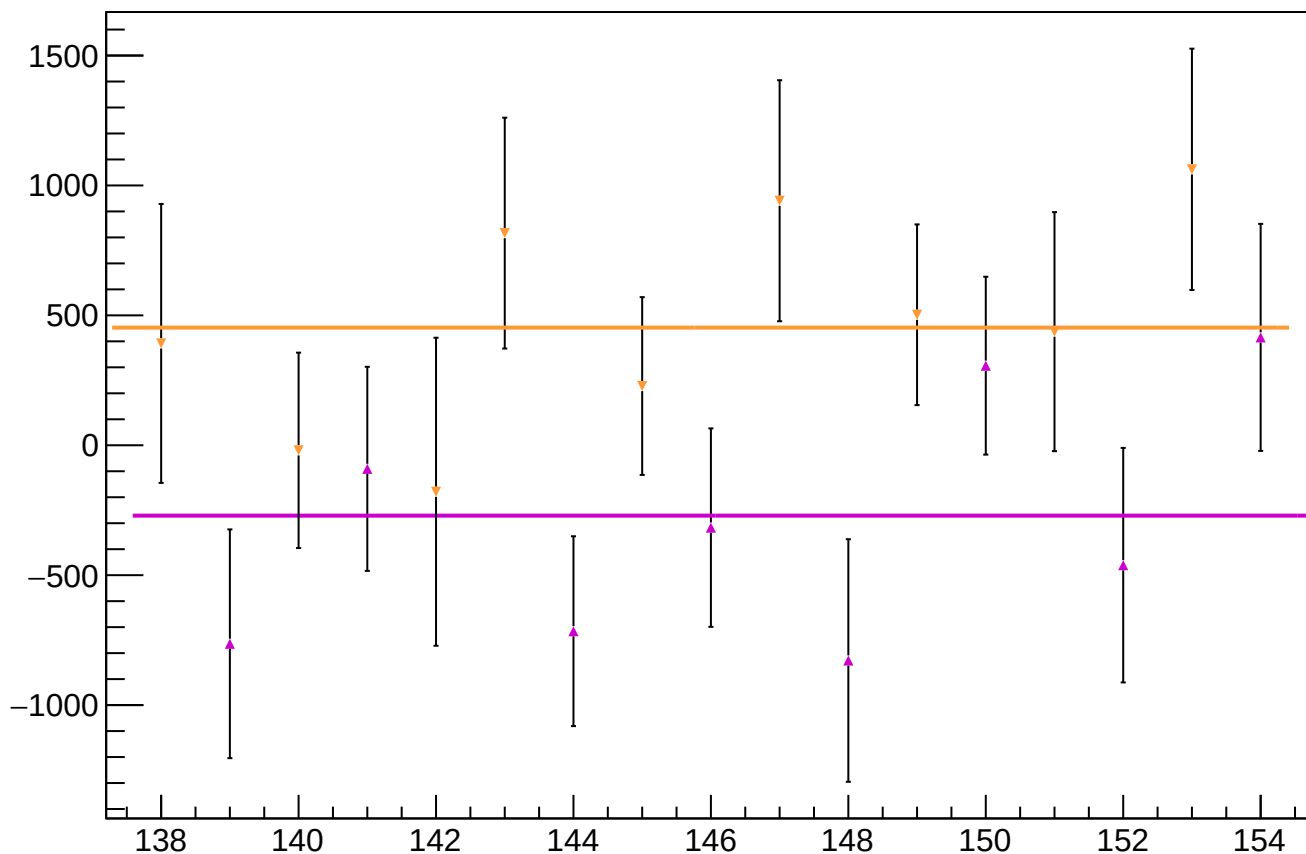
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 69.209+/-0.019 χ^2/NDF :43745.2/7

Out: 68.426+/-0.019 χ^2/NDF :254245.6/8

All: 68.819+/-0.014 χ^2/NDF : 298830.0/16

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: 452.909+/-142.450 χ^2/NDF : 6.7/8

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

Left In: -270.828+/-142.475 χ^2/NDF : 9.9/7

Left: 91.102+/-100.736 χ^2/NDF : 29.5/16

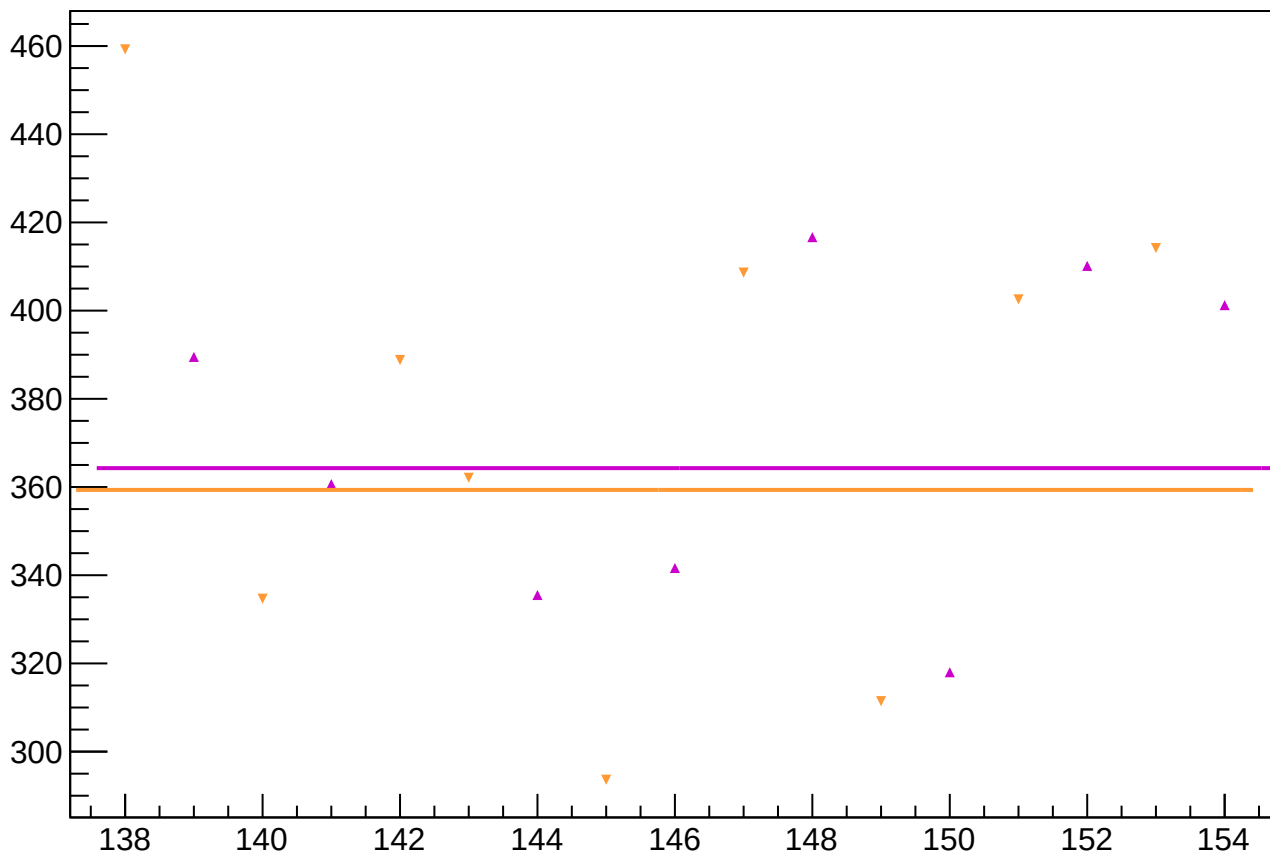
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -270.828+/-142.475 χ^2/NDF : 9.9/7

Out: 452.909+/-142.450 χ^2/NDF : 6.7/8

All: 91.102+/-100.736 χ^2/NDF : 29.5/16

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: 359.347+/-0.101 χ^2/NDF :262781.0/8

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

Left In: 364.285+/-0.101 χ^2/NDF :122885.9/7

Left: 361.816+/-0.071 χ^2/NDF : 386868.4/16

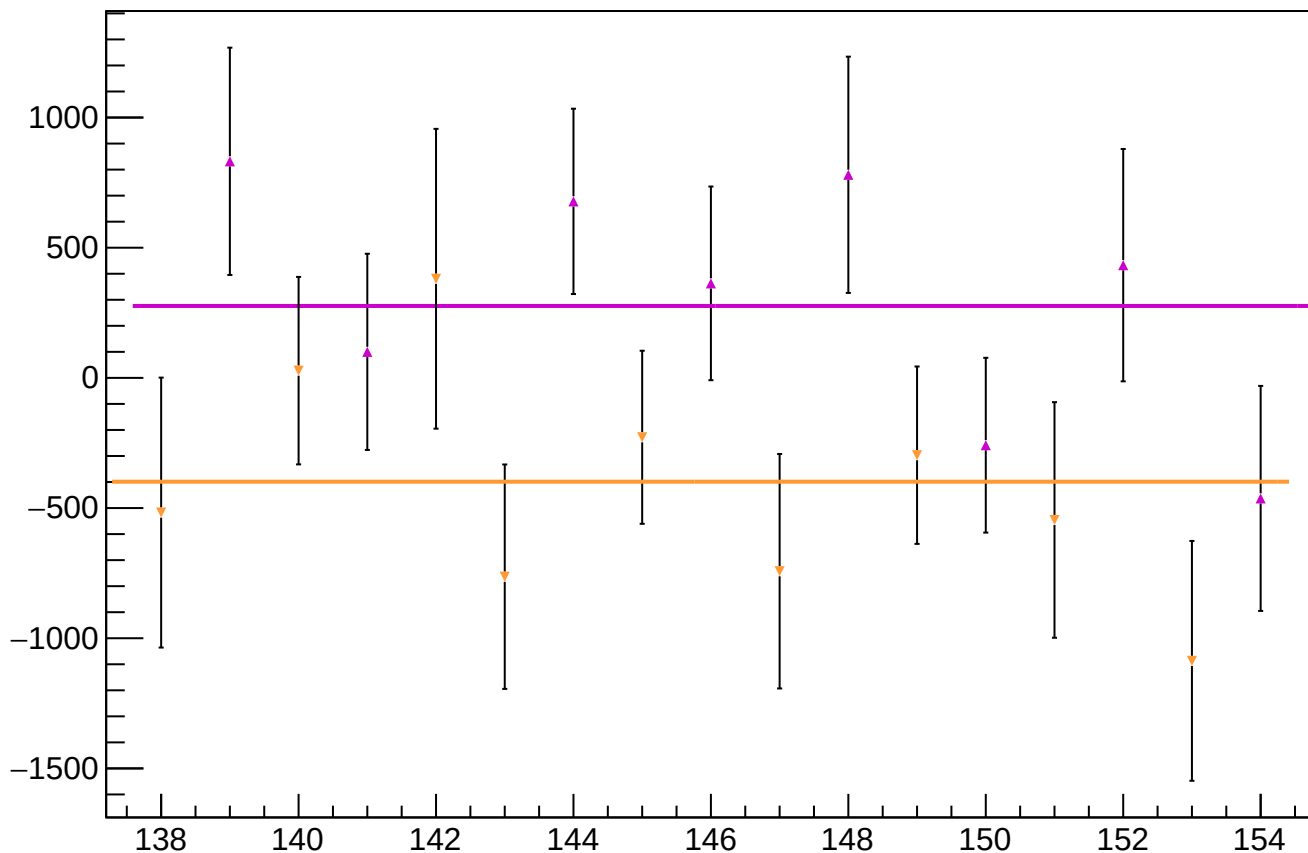
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 364.285+/-0.101 χ^2/NDF :122885.9/7

Out: 359.347+/-0.101 χ^2/NDF :262781.0/8

All: 361.816+/-0.071 χ^2/NDF : 386868.4/16

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -398.722+/-138.628 χ^2/NDF : 7.3/8

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

Left In: 276.258+/-139.311 χ^2/NDF : 10.0/7

Left: -62.890+/-98.266 χ^2/NDF : 29.1/16

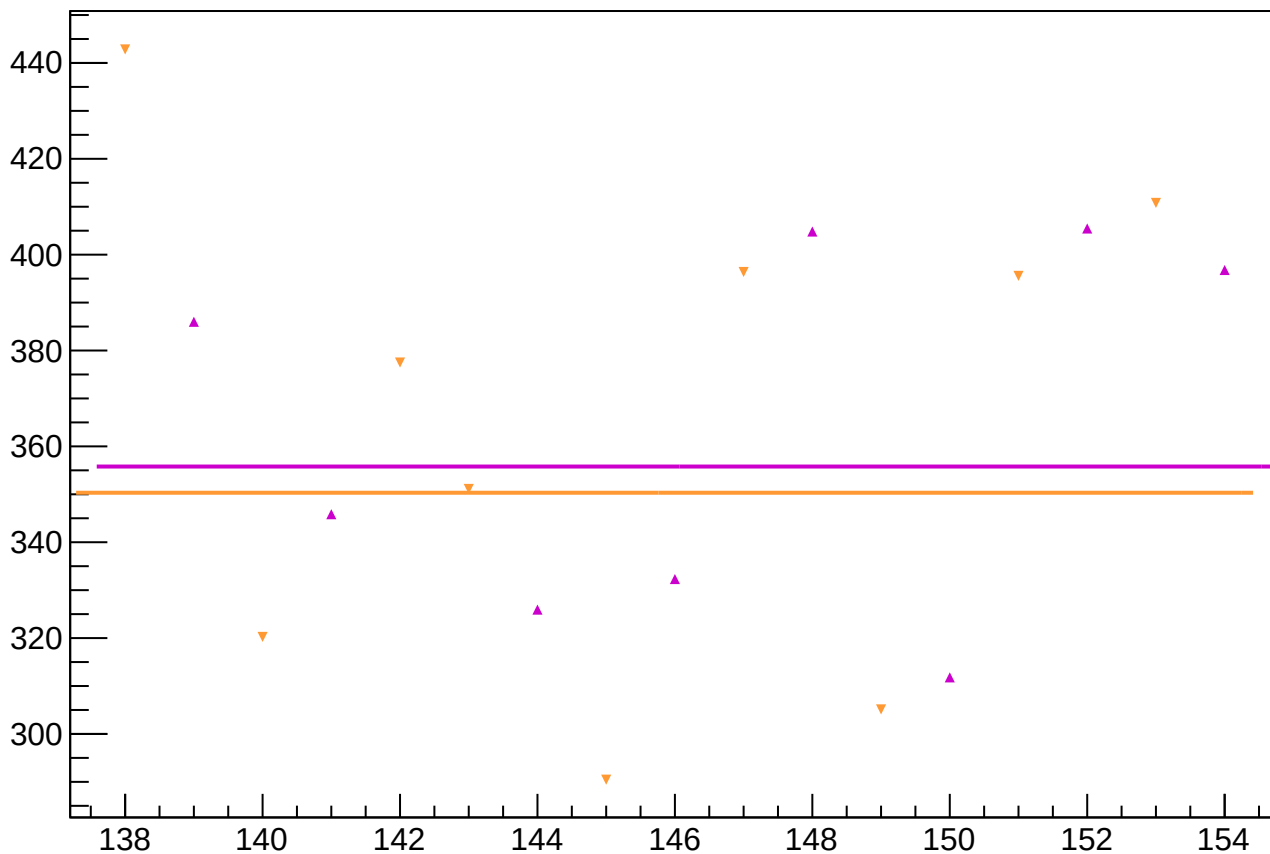
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 276.258+/-139.311 χ^2/NDF : 10.0/7

Out: -398.722+/-138.628 χ^2/NDF : 7.3/8

All: -62.890+/-98.266 χ^2/NDF : 29.1/16

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 350.326+/-0.098 χ^2/NDF :257609.5/8

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

Left In: 355.794+/-0.099 χ^2/NDF :133512.1/7

Left: 353.046+/-0.069 χ^2/NDF : 392670.1/16

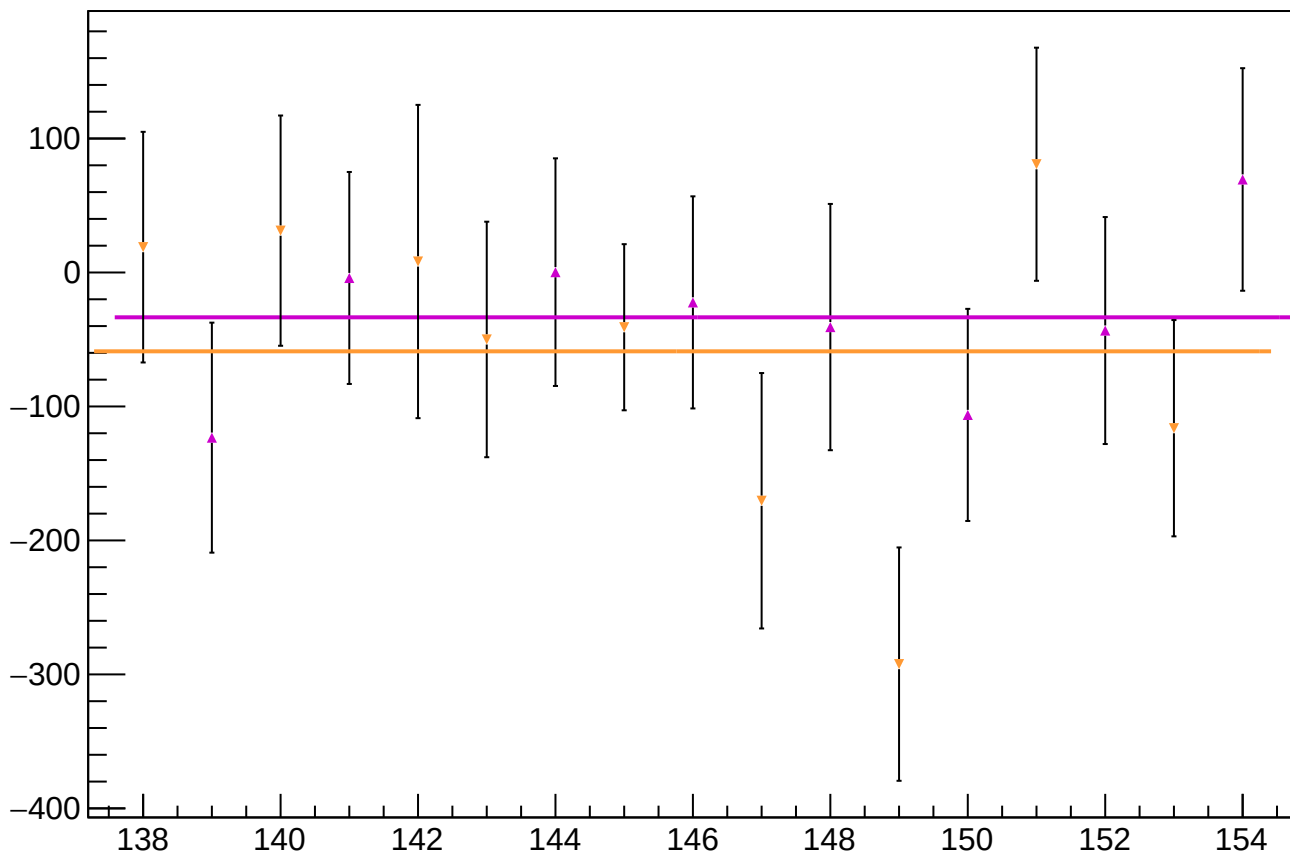
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 355.794+/-0.099 χ^2/NDF :133512.1/7

Out: 350.326+/-0.098 χ^2/NDF :257609.5/8

All: 353.046+/-0.069 χ^2/NDF : 392670.1/16

dit_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -58.844 ± 28.166 χ^2/NDF : 14.0/8

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -33.458 ± 29.414 χ^2/NDF : 3.8/7

Left: -46.701 ± 20.343 χ^2/NDF : 18.2/16

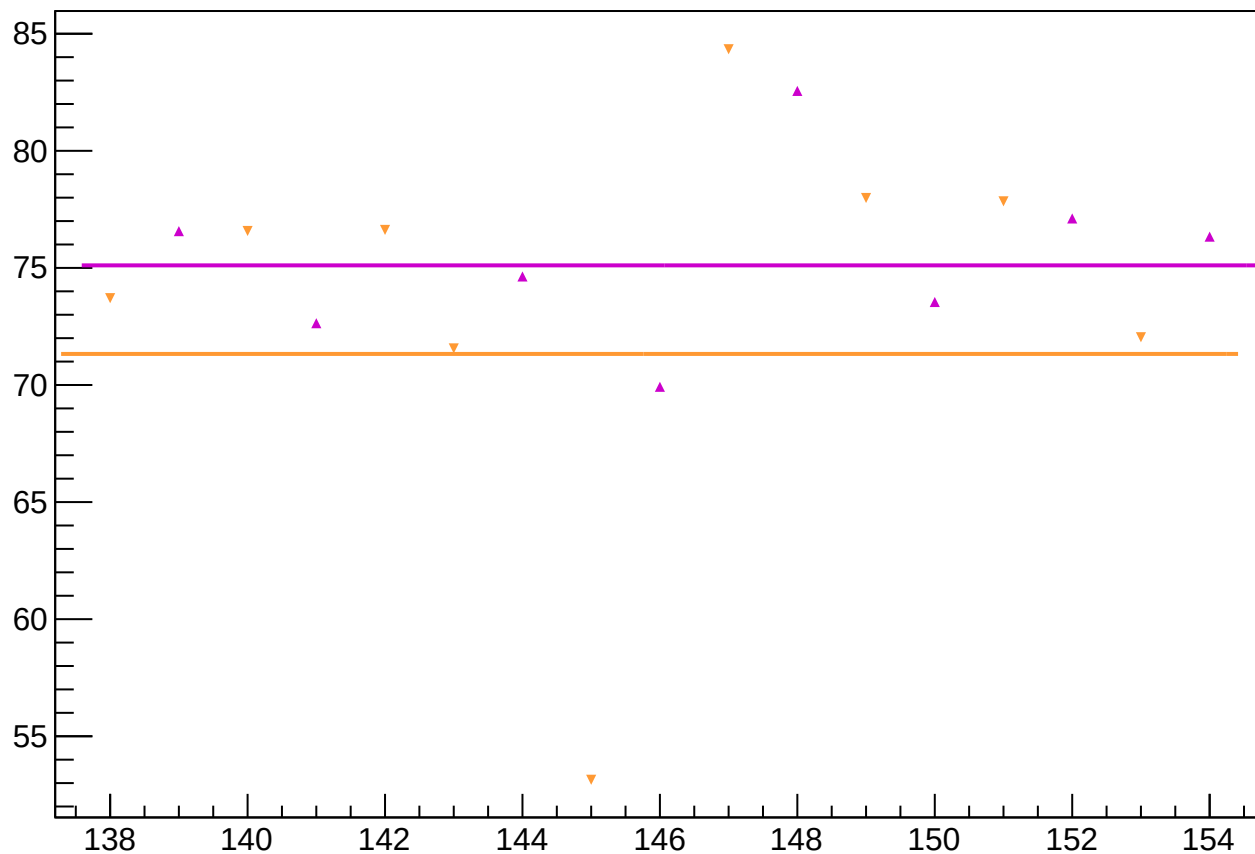
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -33.458 ± 29.414 χ^2/NDF : 3.8/7

Out: -58.844 ± 28.166 χ^2/NDF : 14.0/8

All: -46.701 ± 20.343 χ^2/NDF : 18.2/16

dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 71.326+/-0.020 χ^2/NDF :245486.9/8

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

Left In: 75.109+/-0.021 χ^2/NDF :26647.5/7

Left: 73.136+/-0.014 χ^2/NDF : 289386.0/16

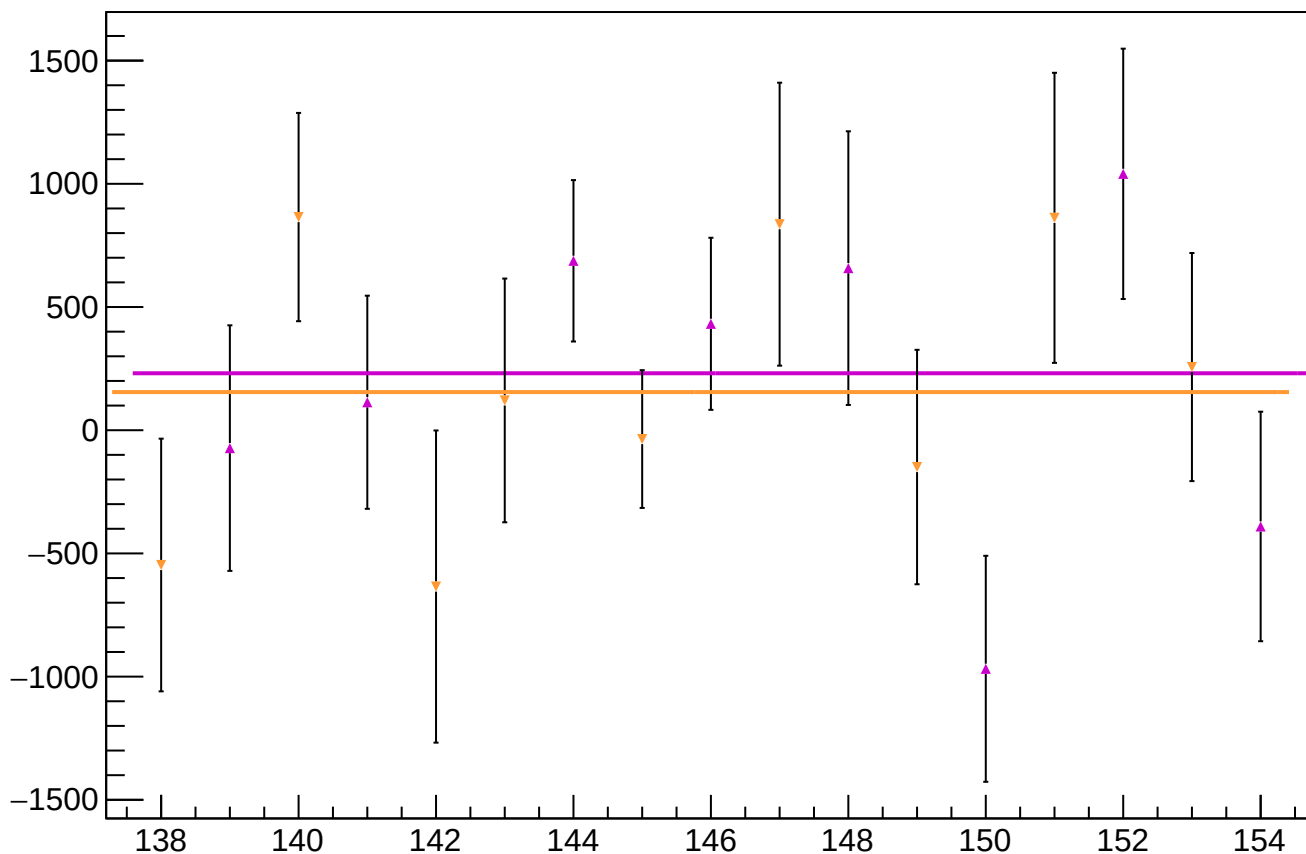
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 75.109+/-0.021 χ^2/NDF :26647.5/7

Out: 71.326+/-0.020 χ^2/NDF :245486.9/8

All: 73.136+/-0.014 χ^2/NDF : 289386.0/16

asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 154.767+/-151.132 χ^2/NDF :10.0/8

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

Left In: 231.168+/-151.828 χ^2/NDF :14.5/7

Left: 192.791+/-107.112 χ^2/NDF : 24.6/16

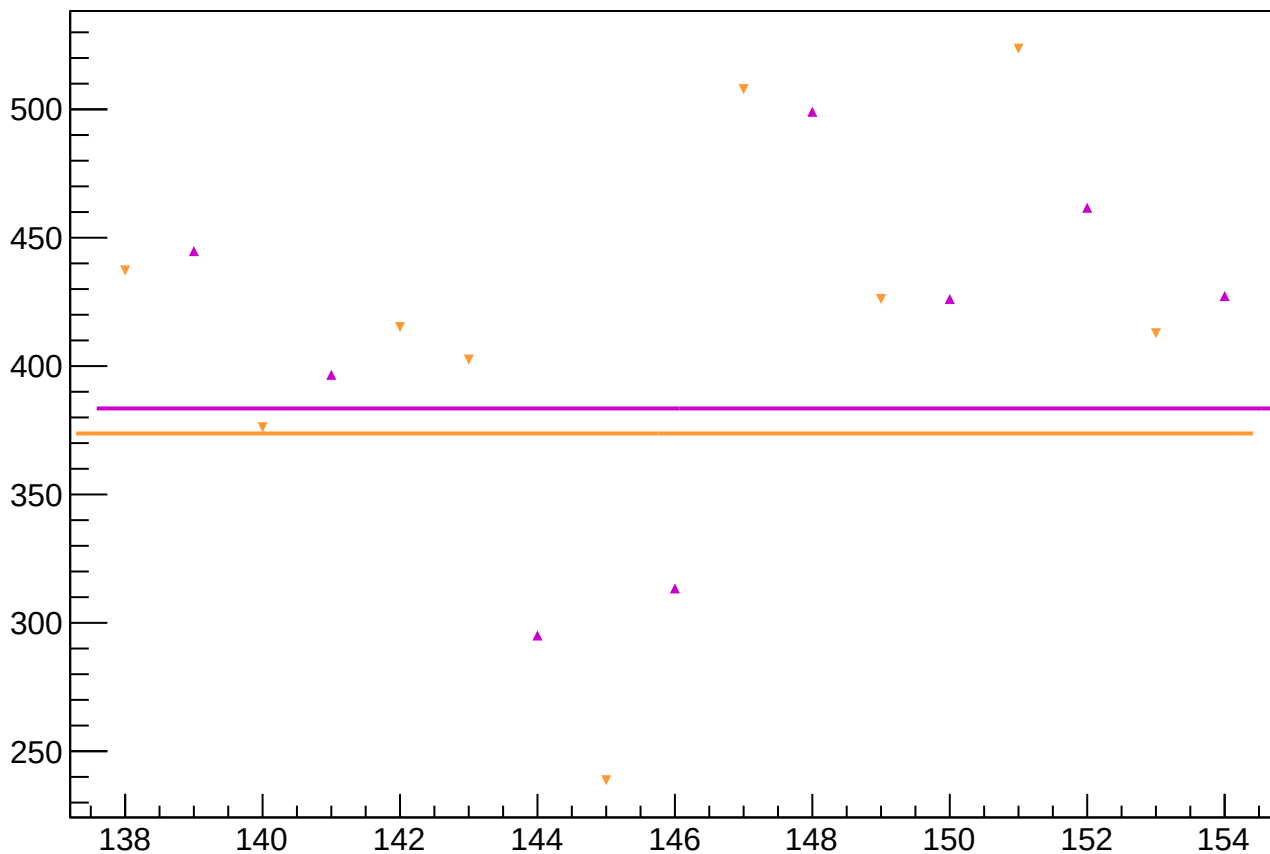
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 231.168+/-151.828 χ^2/NDF :14.5/7

Out: 154.767+/-151.132 χ^2/NDF :10.0/8

All: 192.791+/-107.112 χ^2/NDF : 24.6/16

asym_sam_15_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 373.754+/-0.107 χ^2/NDF : 790158.0/8

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

Left In: 383.508+/-0.107 χ^2/NDF : 427377.0/7

Left: 378.609+/-0.076 χ^2/NDF : 1221681.9/16

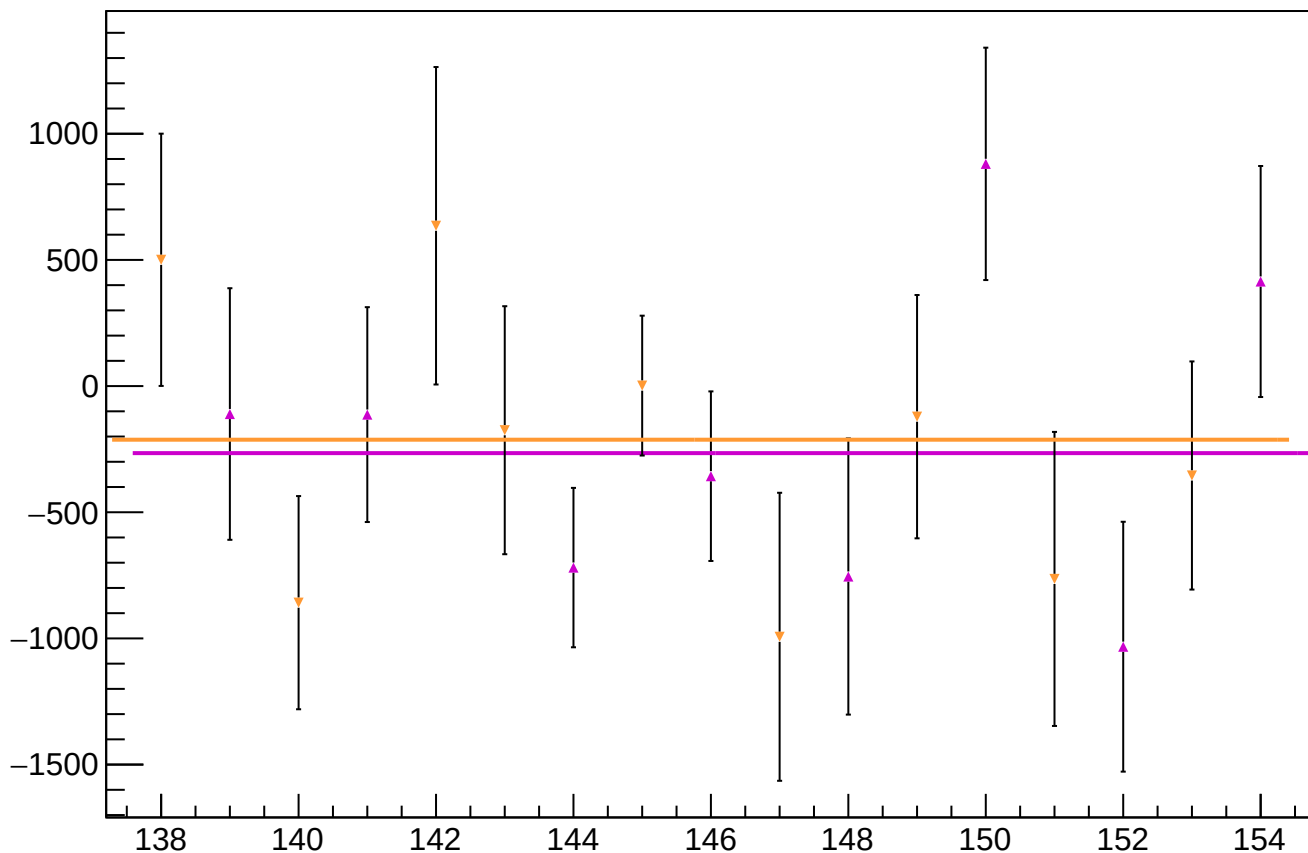
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 383.508+/-0.107 χ^2/NDF : 427377.0/7

Out: 373.754+/-0.107 χ^2/NDF : 790158.0/8

All: 378.609+/-0.076 χ^2/NDF : 1221681.9/16

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -212.503+/-149.898 χ^2/NDF : 9.7/8

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

Left In: -265.698+/-148.535 χ^2/NDF : 14.0/7

Left: -239.343+/-105.509 χ^2/NDF : 23.7/16

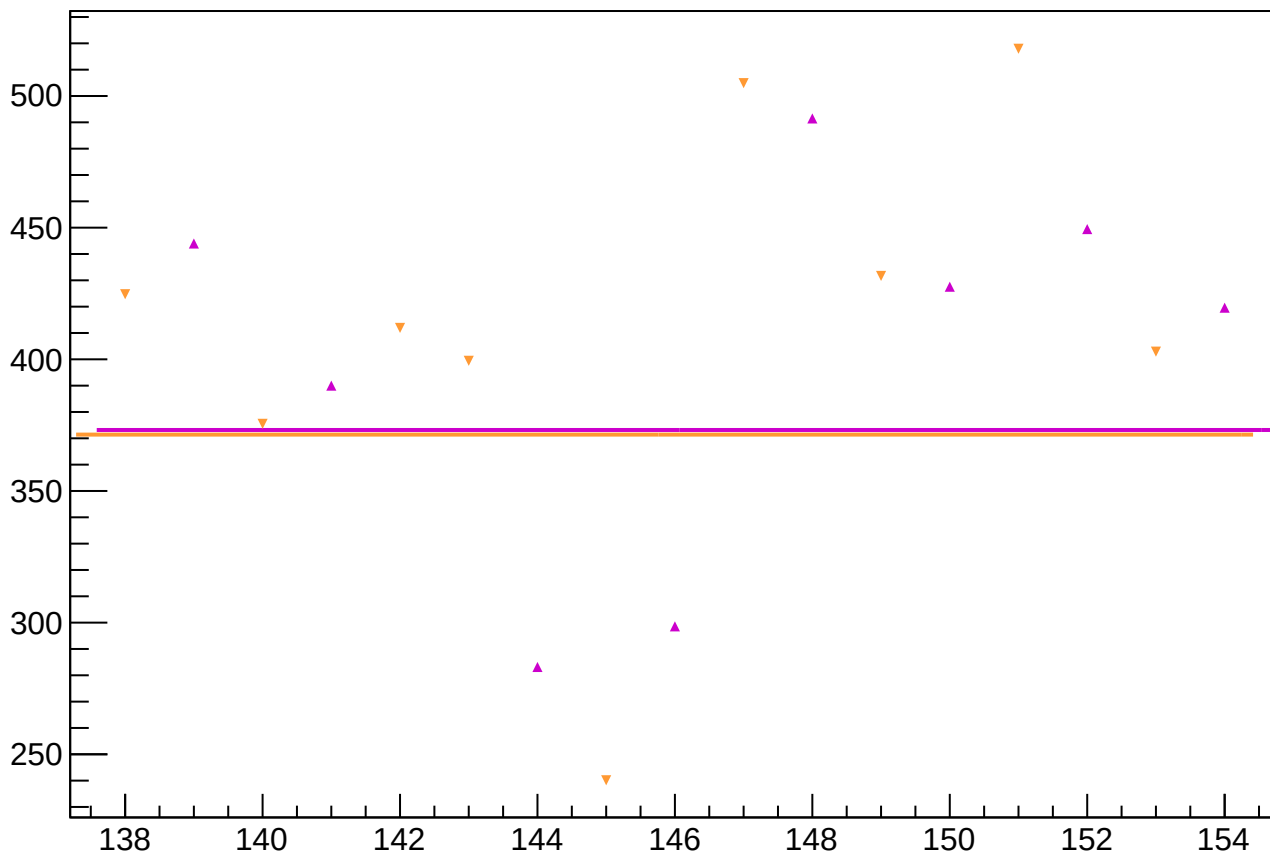
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -265.698+/-148.535 χ^2/NDF : 14.0/7

Out: -212.503+/-149.898 χ^2/NDF : 9.7/8

All: -239.343+/-105.509 χ^2/NDF : 23.7/16

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 371.409+/-0.106 χ^2/NDF : 763397.7/8

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

Left In: 373.165+/-0.105 χ^2/NDF : 493861.9/7

Left: 372.295+/-0.075 χ^2/NDF : 1257398.0/16

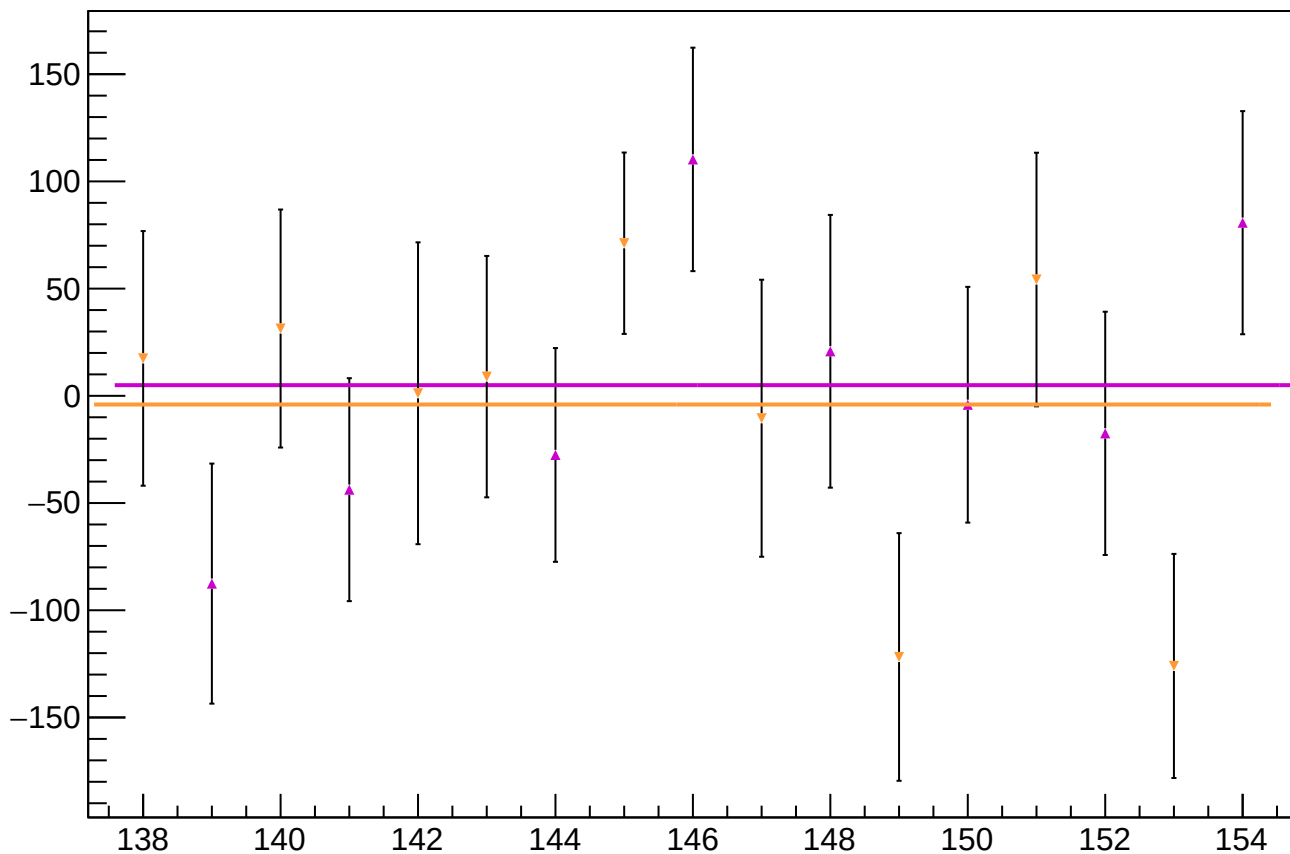
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 373.165+/-0.105 χ^2/NDF : 493861.9/7

Out: 371.409+/-0.106 χ^2/NDF : 763397.7/8

All: 372.295+/-0.075 χ^2/NDF : 1257398.0/16

dit_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -4.056+/-18.645 χ^2/NDF :14.3/8

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

Left In: 4.973+/-19.180 χ^2/NDF :10.5/7

Left: 0.331+/-13.369 χ^2/NDF : 24.9/16

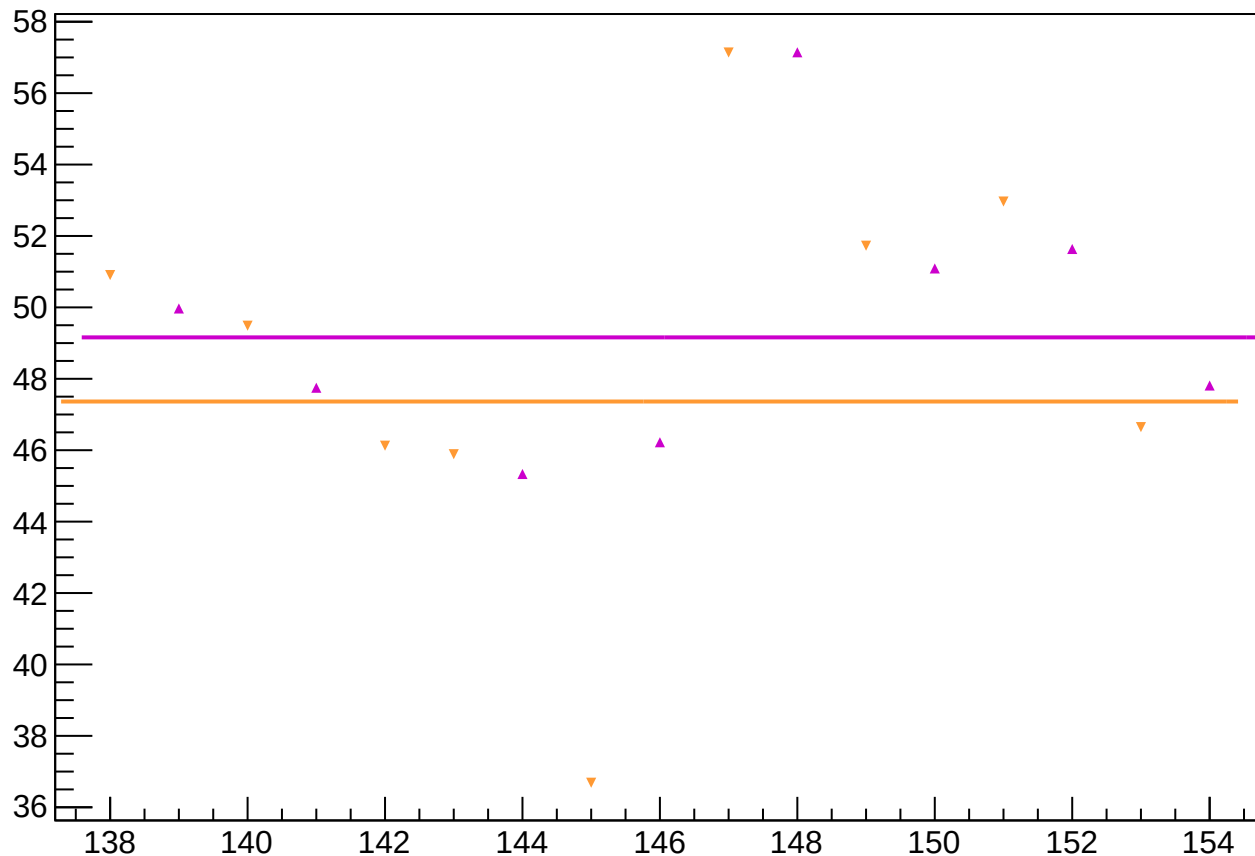
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4.973+/-19.180 χ^2/NDF :10.5/7

Out: -4.056+/-18.645 χ^2/NDF :14.3/8

All: 0.331+/-13.369 χ^2/NDF : 24.9/16

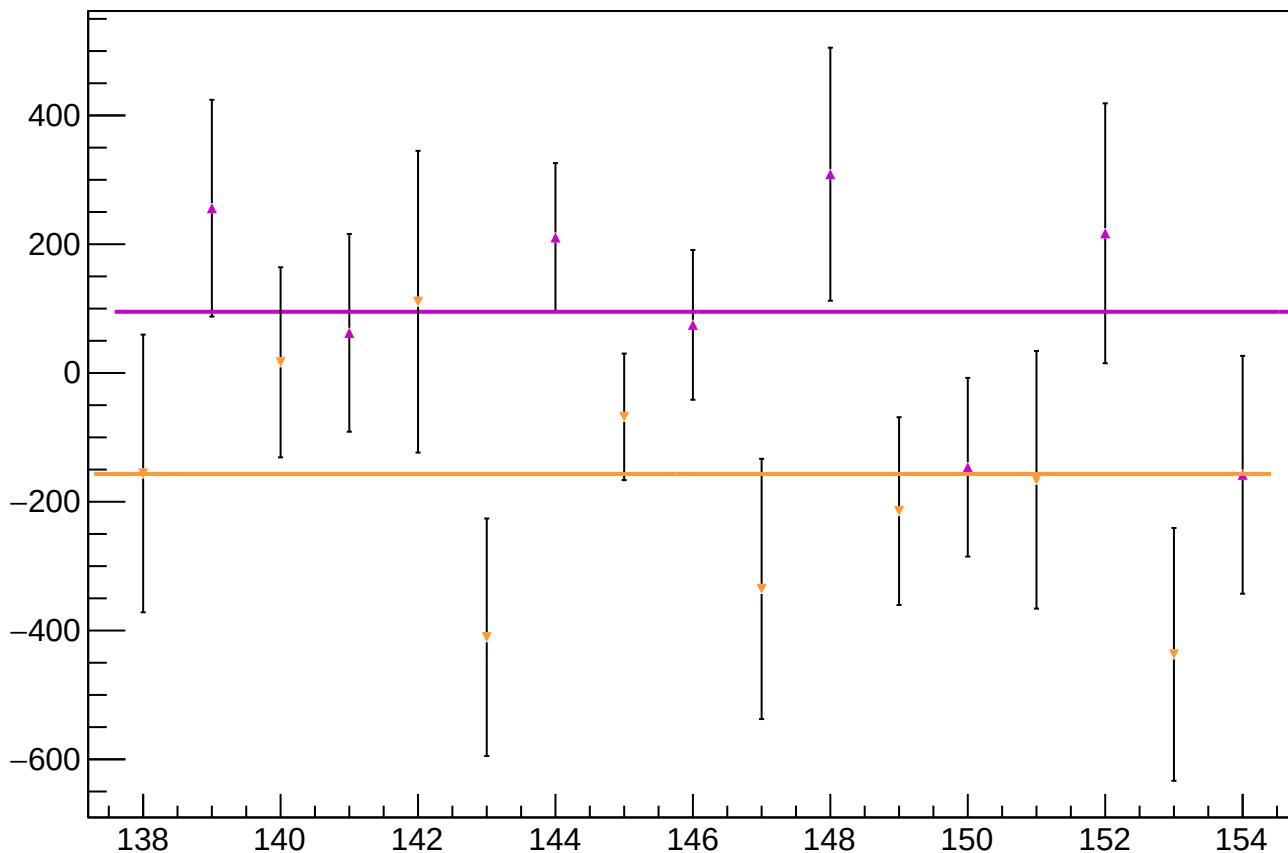
dit_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 47.364+/-0.013 χ^2/NDF : 215008.6/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 49.160+/-0.014 χ^2/NDF : 59164.9/7

Left: 48.236+/-0.009 χ^2/NDF : 283191.3/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 49.160+/-0.014 χ^2/NDF : 59164.9/7
 Out: 47.364+/-0.013 χ^2/NDF : 215008.6/8
 All: 48.236+/-0.009 χ^2/NDF : 283191.3/16

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: -156.822+/-54.149 χ^2/NDF : 8.4/8

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

Left In: 95.085+/-52.831 χ^2/NDF : 8.4/7

Left: -27.767+/-37.814 χ^2/NDF : 27.9/16

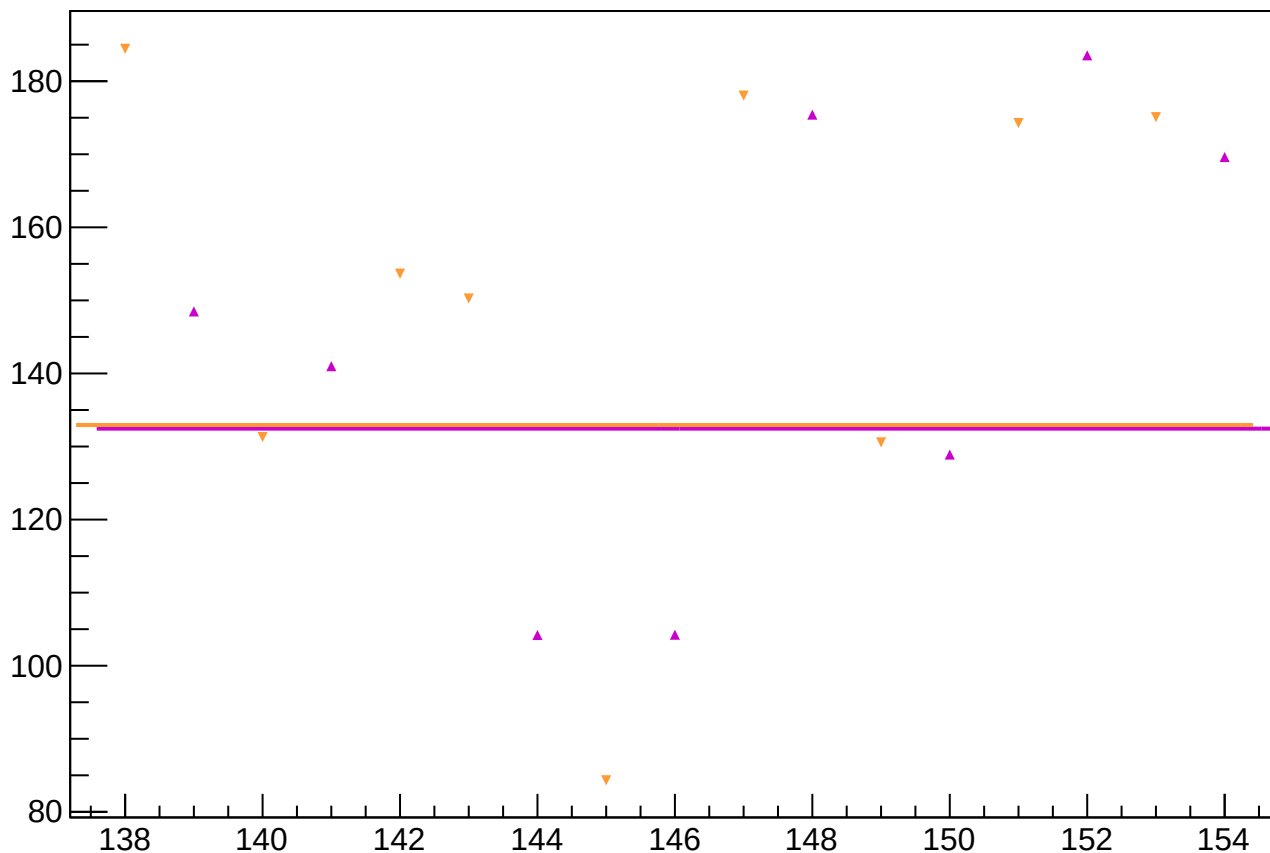
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 95.085+/-52.831 χ^2/NDF : 8.4/7

Out: -156.822+/-54.149 χ^2/NDF : 8.4/8

All: -27.767+/-37.814 χ^2/NDF : 27.9/16

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: 132.944+/-0.038 χ^2/NDF : 914915.8/8

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

Left In: 132.447+/-0.037 χ^2/NDF : 567707.4/7

Left: 132.689+/-0.027 χ^2/NDF : 1482709.8/16

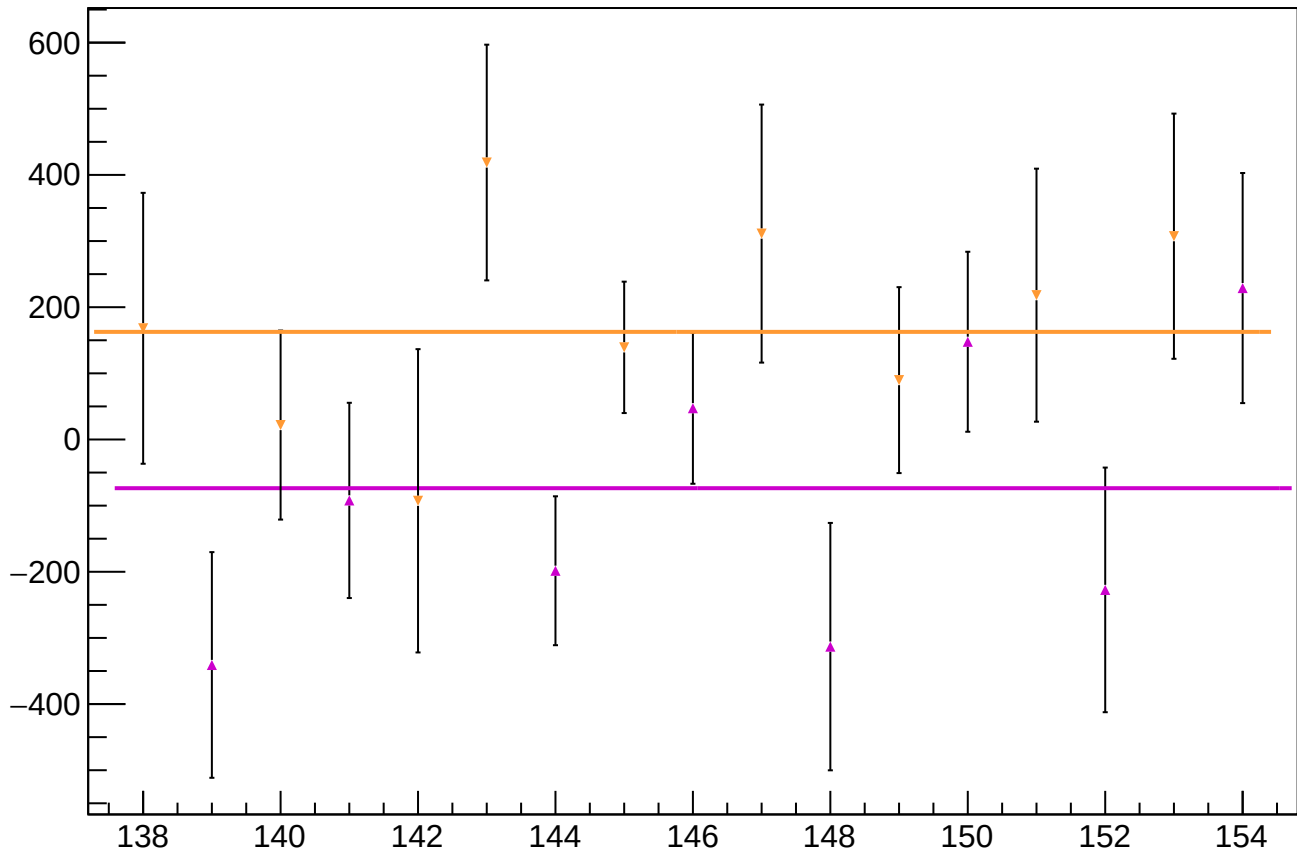
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 132.447+/-0.037 χ^2/NDF : 567707.4/7

Out: 132.944+/-0.038 χ^2/NDF : 914915.8/8

All: 132.689+/-0.027 χ^2/NDF : 1482709.8/16

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 162.704+/-52.848 χ^2/NDF : 5.9/8

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

Left In: -73.636+/-51.250 χ^2/NDF : 12.8/7

Left: 40.907+/-36.791 χ^2/NDF : 29.0/16

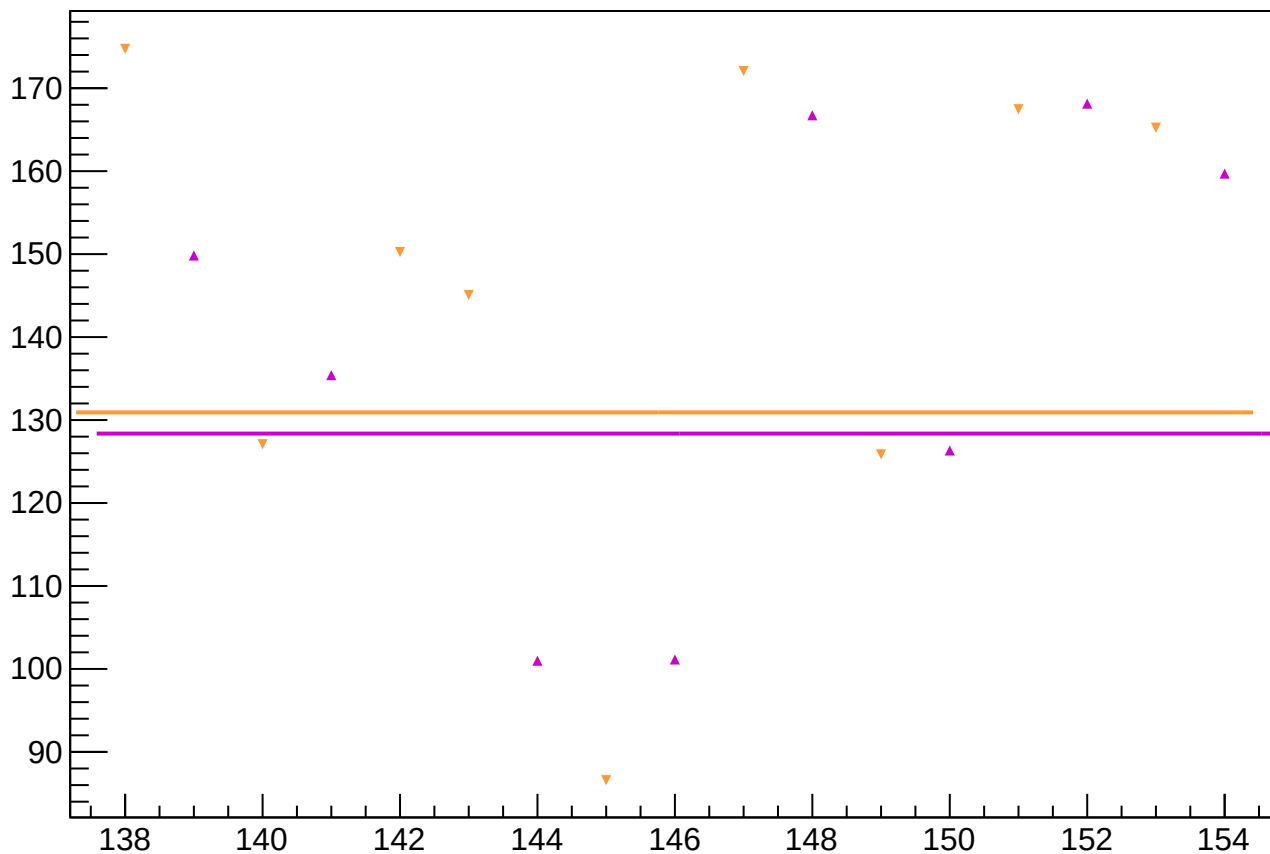
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -73.636+/-51.250 χ^2/NDF : 12.8/7

Out: 162.704+/-52.848 χ^2/NDF : 5.9/8

All: 40.907+/-36.791 χ^2/NDF : 29.0/16

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 130.924+/-0.037 χ^2/NDF : 751467.2/8

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

Left In: 128.368+/-0.036 χ^2/NDF : 510156.4/7

Left: 129.607+/-0.026 χ^2/NDF : 1264033.8/16

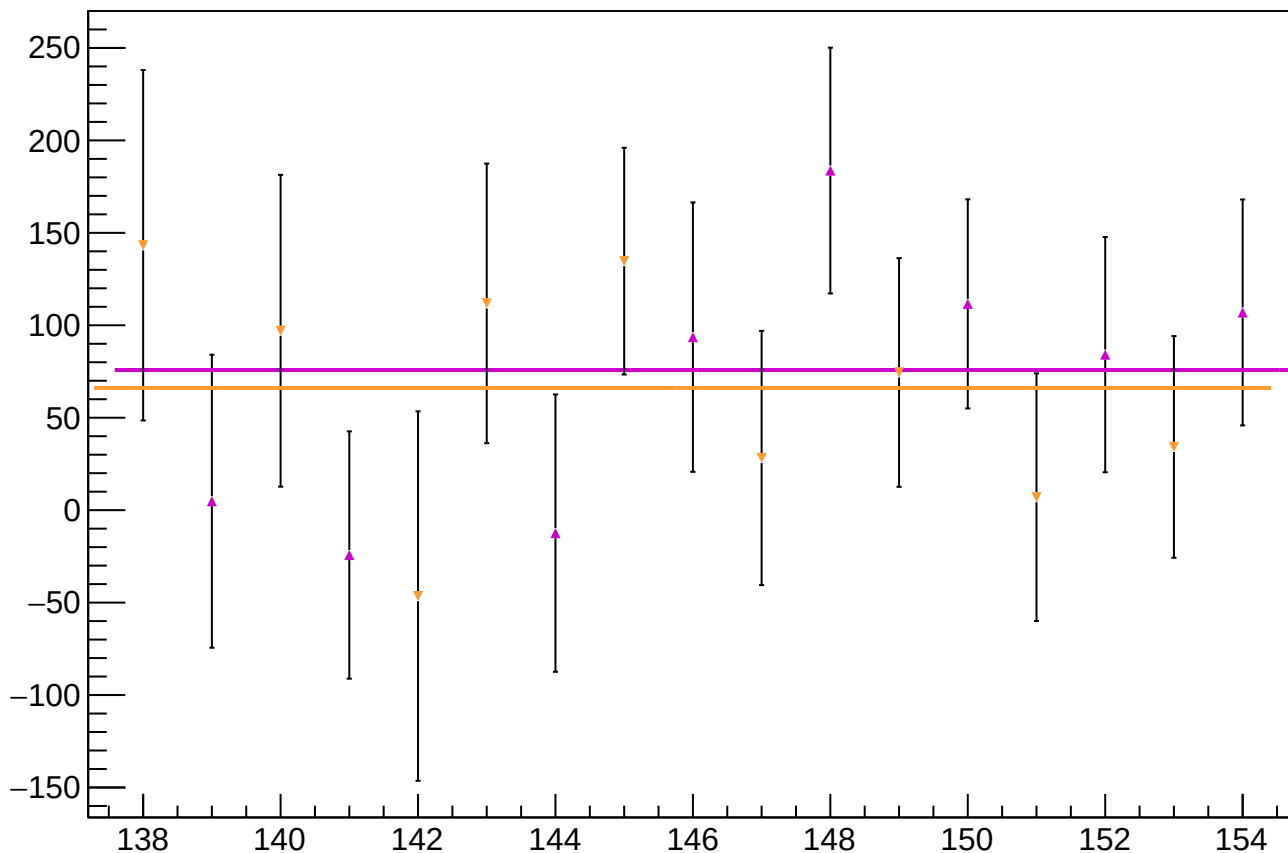
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 128.368+/-0.036 χ^2/NDF : 510156.4/7

Out: 130.924+/-0.037 χ^2/NDF : 751467.2/8

All: 129.607+/-0.026 χ^2/NDF : 1264033.8/16

dit_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 66.122 $\pm$ 23.789 χ^2 /NDF:5.1/8

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 75.801 $\pm$ 23.554 χ^2 /NDF:7.8/7

Left: 71.009 $\pm$ 16.737 χ^2 /NDF: 12.9/16

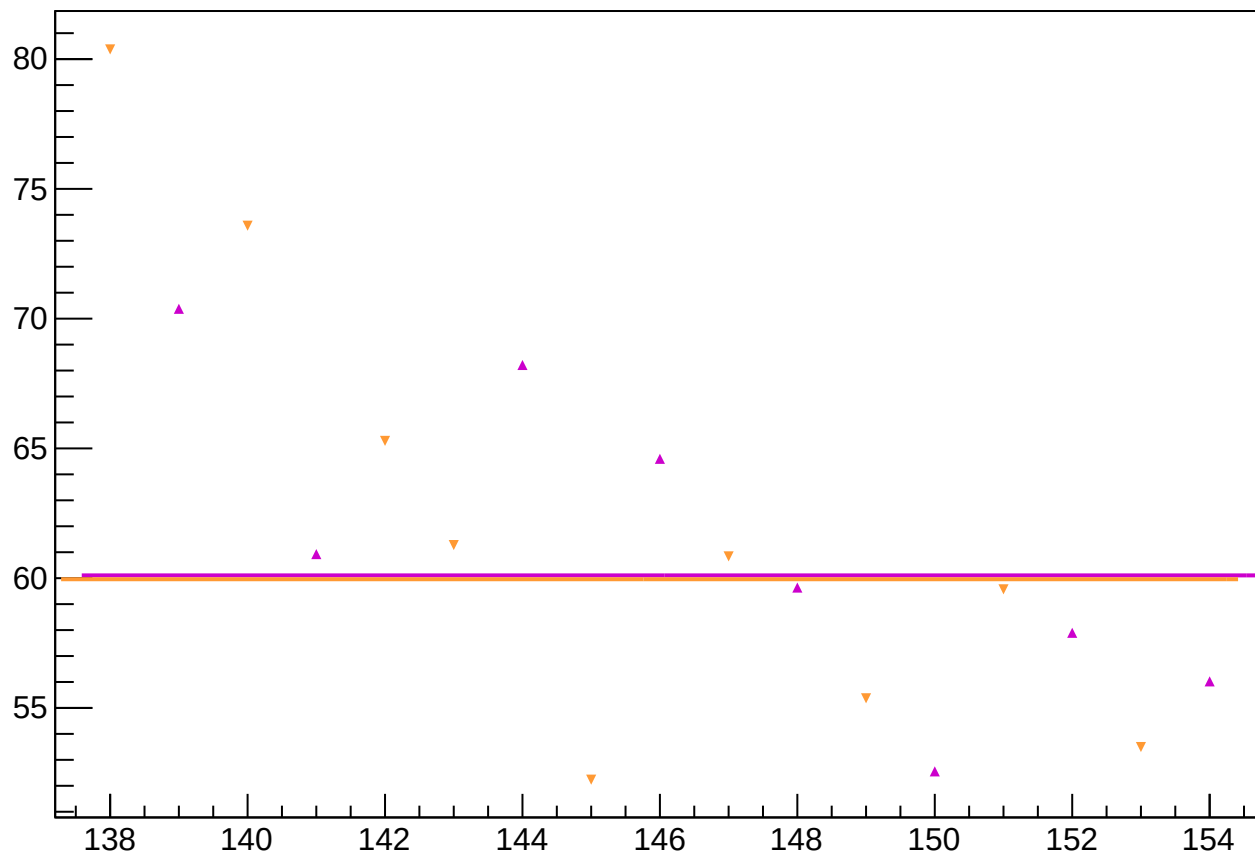
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 75.801 $\pm$ 23.554 χ^2 /NDF:7.8/7

Out: 66.122 $\pm$ 23.789 χ^2 /NDF:5.1/8

All: 71.009 $\pm$ 16.737 χ^2 /NDF: 12.9/16

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



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

Left Out: 59.959+/-0.017 χ^2/NDF :217679.9/8

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

Left In: 60.107+/-0.017 χ^2/NDF :111972.1/7

Left: 60.034+/-0.012 χ^2/NDF : 329691.3/16

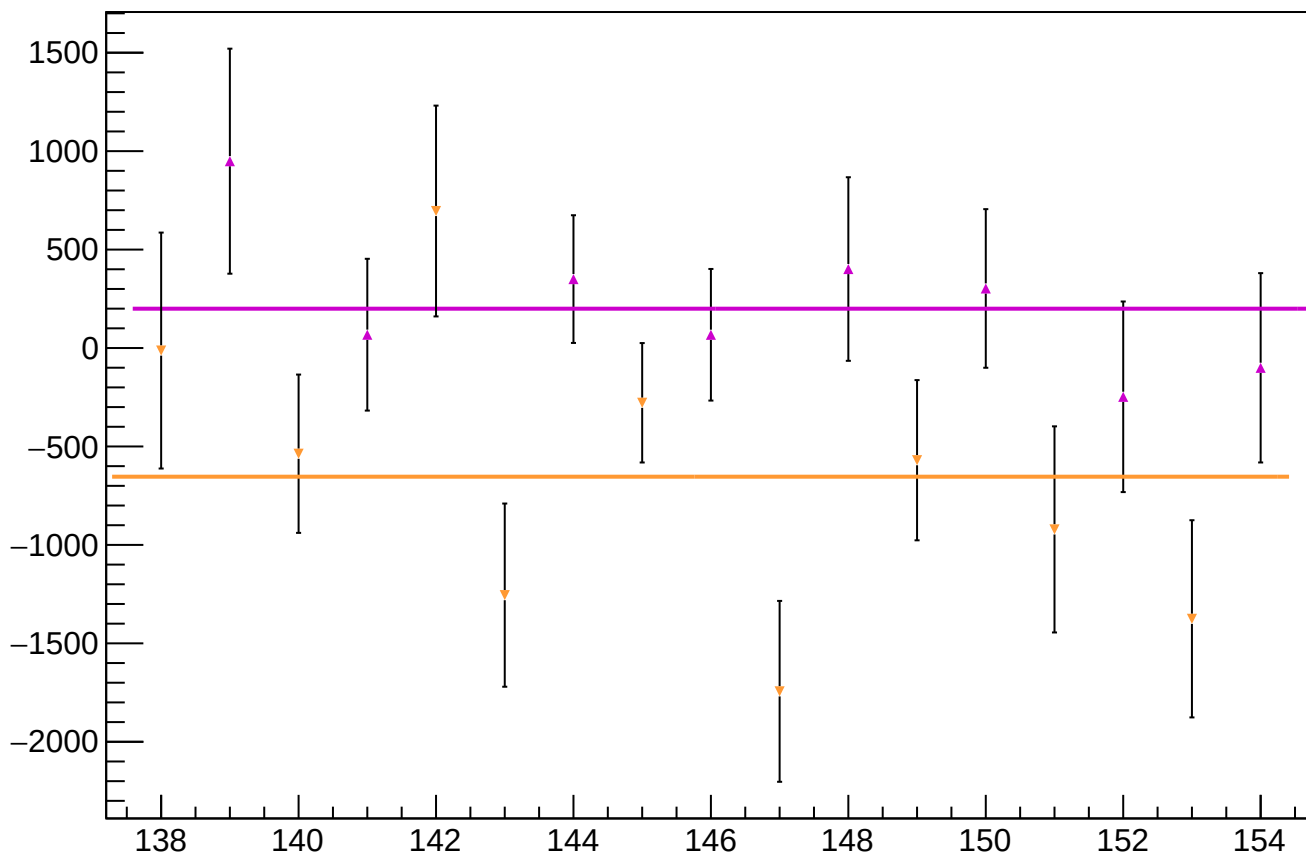
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 60.107+/-0.017 χ^2/NDF :111972.1/7

Out: 59.959+/-0.017 χ^2/NDF :217679.9/8

All: 60.034+/-0.012 χ^2/NDF : 329691.3/16

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -653.528+/-146.859 χ^2/NDF :18.8/8

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

Left In: 199.788+/-144.933 χ^2/NDF :3.7/7

Left: -221.238+/-103.158 χ^2/NDF : 39.6/16

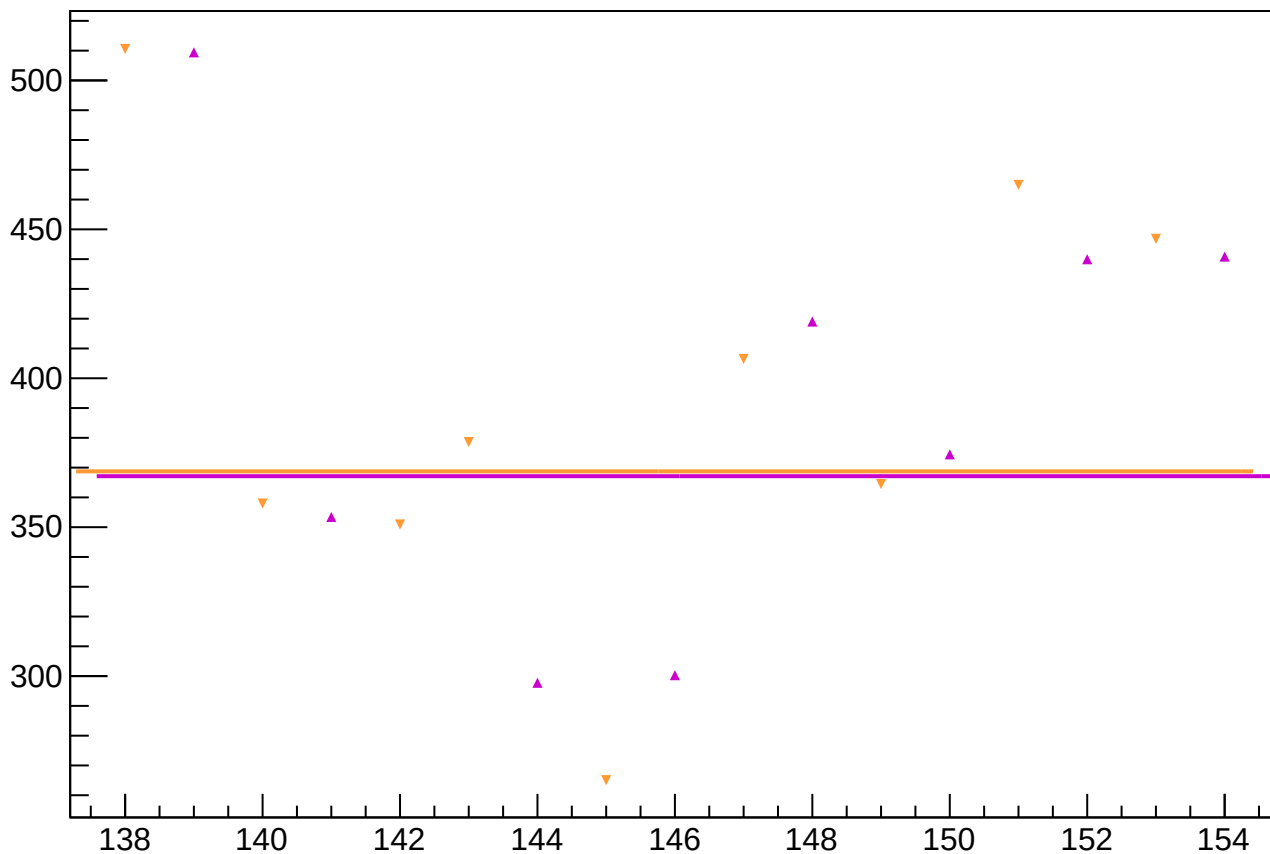
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 199.788+/-144.933 χ^2/NDF :3.7/7

Out: -653.528+/-146.859 χ^2/NDF :18.8/8

All: -221.238+/-103.158 χ^2/NDF : 39.6/16

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 368.739+/-0.104 χ^2/NDF :480178.0/8

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

Left In: 367.125+/-0.102 χ^2/NDF :415713.8/7

Left: 367.921+/-0.073 χ^2/NDF : 896014.2/16

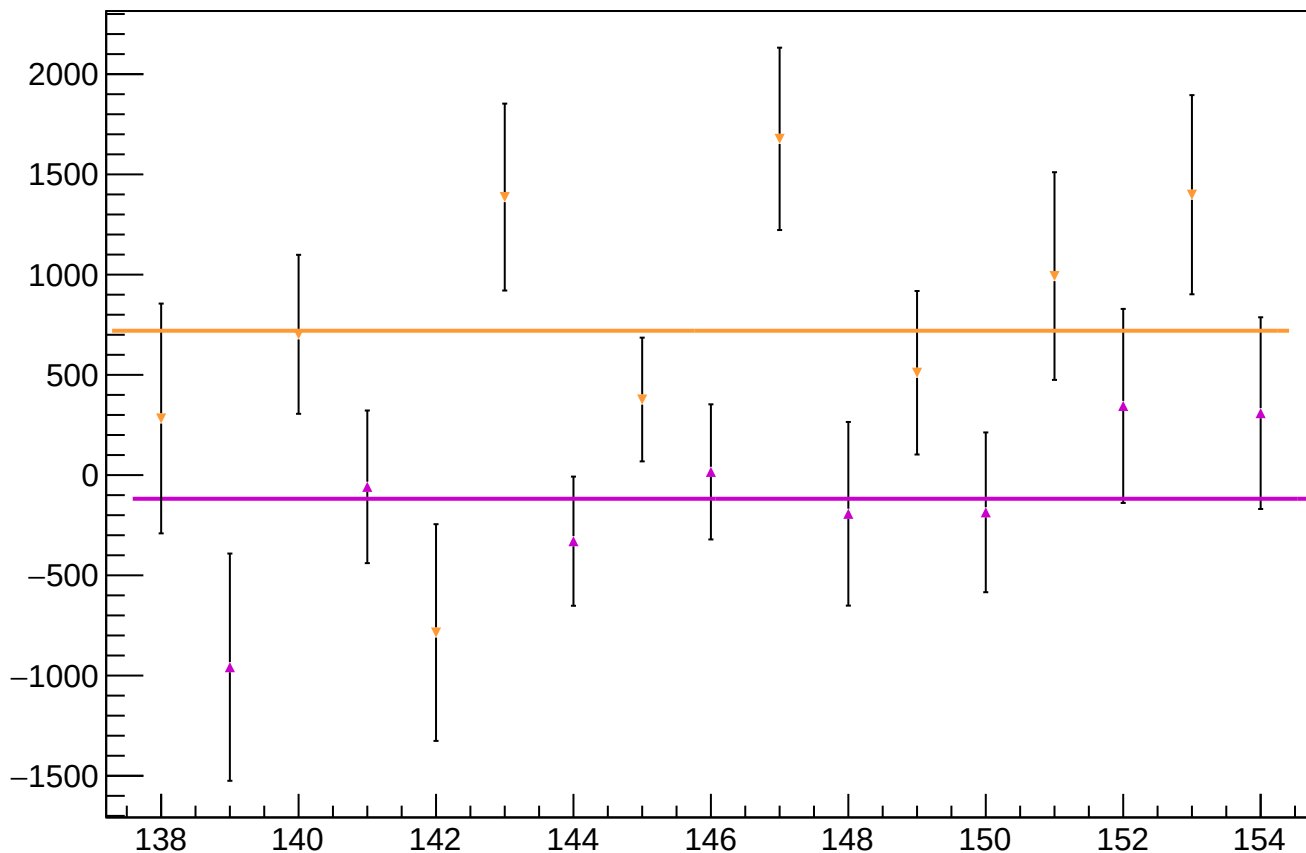
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 367.125+/-0.102 χ^2/NDF :415713.8/7

Out: 368.739+/-0.104 χ^2/NDF :480178.0/8

All: 367.921+/-0.073 χ^2/NDF : 896014.2/16

asym_sam_1357_avg_mean vs Slug, Sign Corrected



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

Left Out: 720.086+/-146.559 χ^2/NDF :18.5/8

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

Left In: -118.092+/-144.105 χ^2/NDF :4.6/7

Left: 293.921+/-102.754 χ^2/NDF : 39.7/16

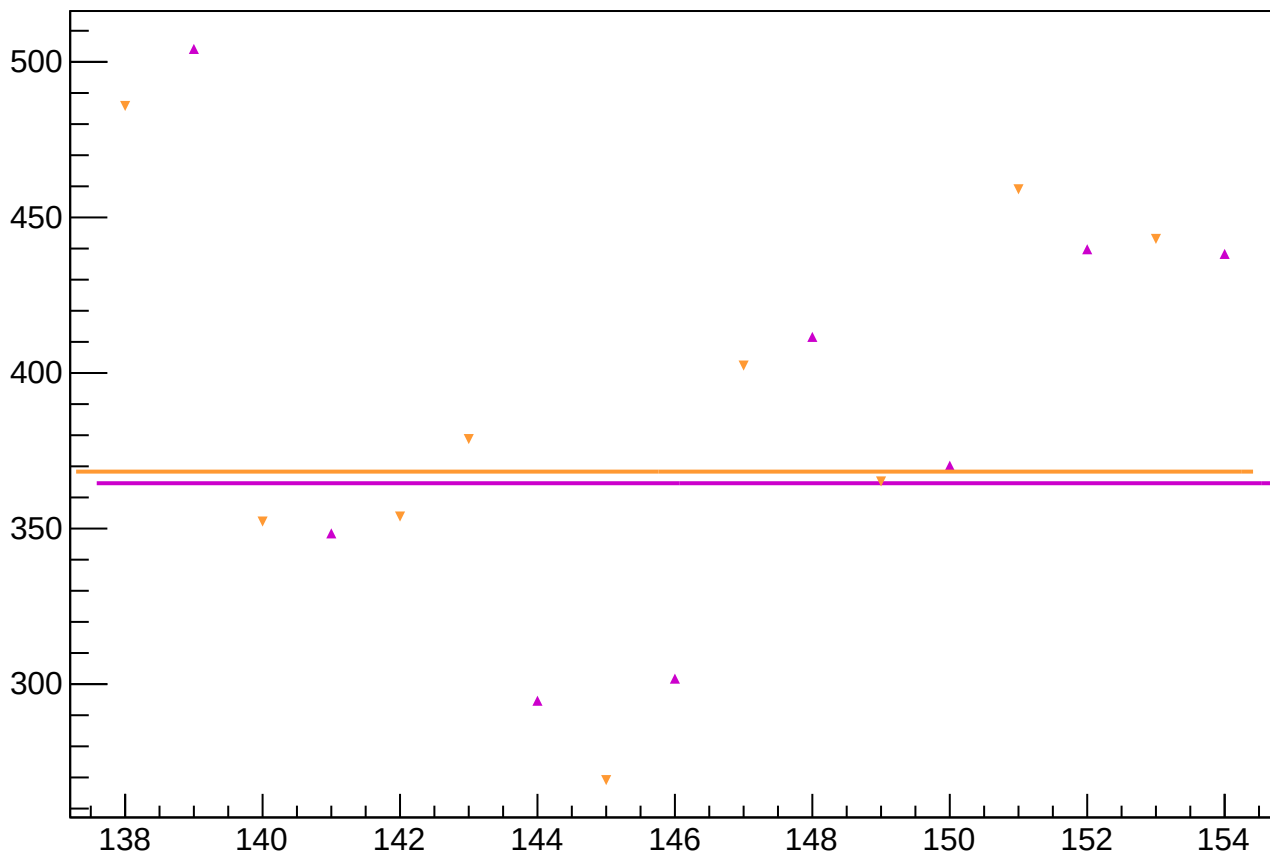
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -118.092+/-144.105 χ^2/NDF :4.6/7

Out: 720.086+/-146.559 χ^2/NDF :18.5/8

All: 293.921+/-102.754 χ^2/NDF : 39.7/16

asym_sam_1357_avg_rms vs Slug, Sign Corrected



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

Left Out: 368.305+/-0.104 χ^2/NDF :414400.1/8

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

Left In: 364.572+/-0.102 χ^2/NDF :405836.6/7

Left: 366.407+/-0.073 χ^2/NDF : 820896.6/16

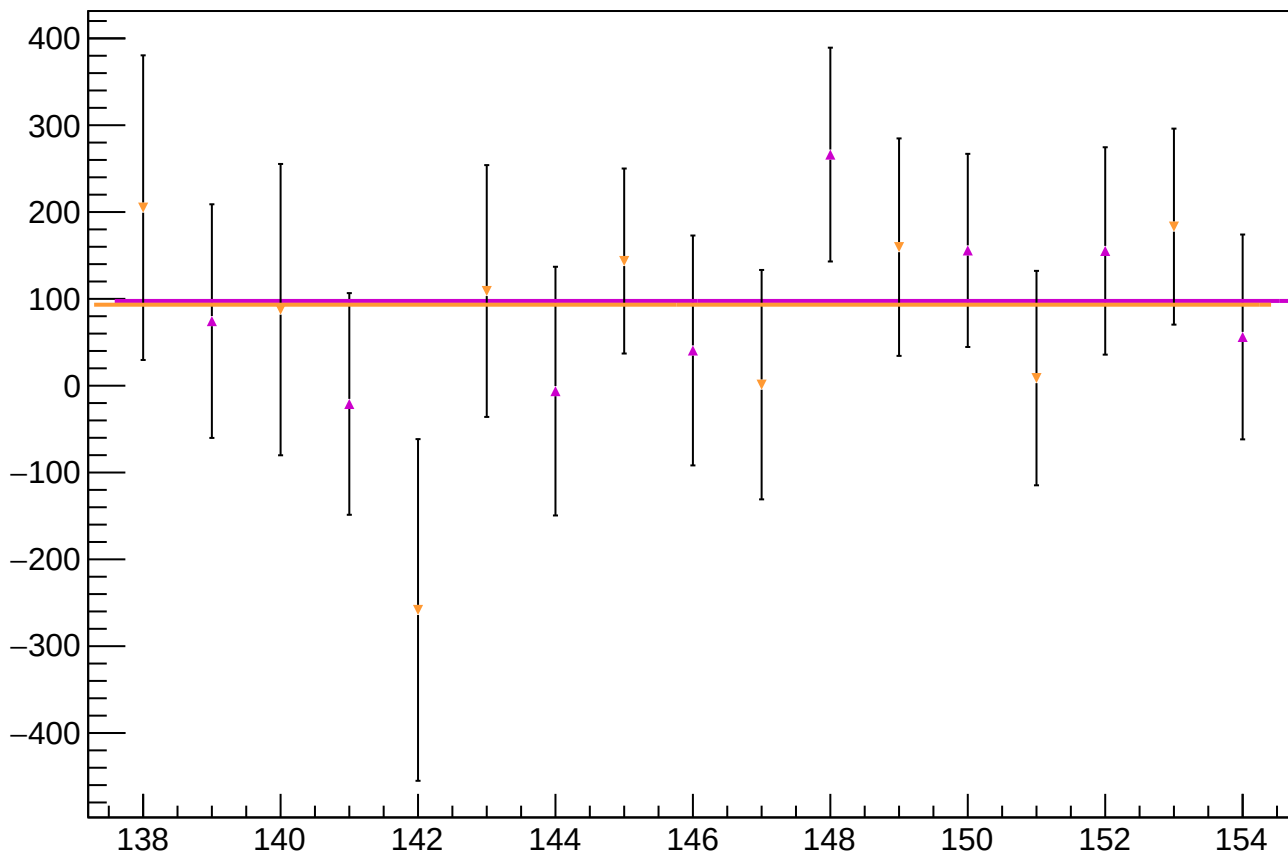
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 364.572+/-0.102 χ^2/NDF :405836.6/7

Out: 368.305+/-0.104 χ^2/NDF :414400.1/8

All: 366.407+/-0.073 χ^2/NDF : 820896.6/16

dit_asym_sam_2468_avg_mean vs Slug, Sign Corrected



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

Left Out: 93.275+/-44.962 χ^2/NDF :5.7/8

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

Left In: 97.609+/-44.229 χ^2/NDF :4.1/7

Left: 95.478+/-31.530 χ^2/NDF : 9.8/16

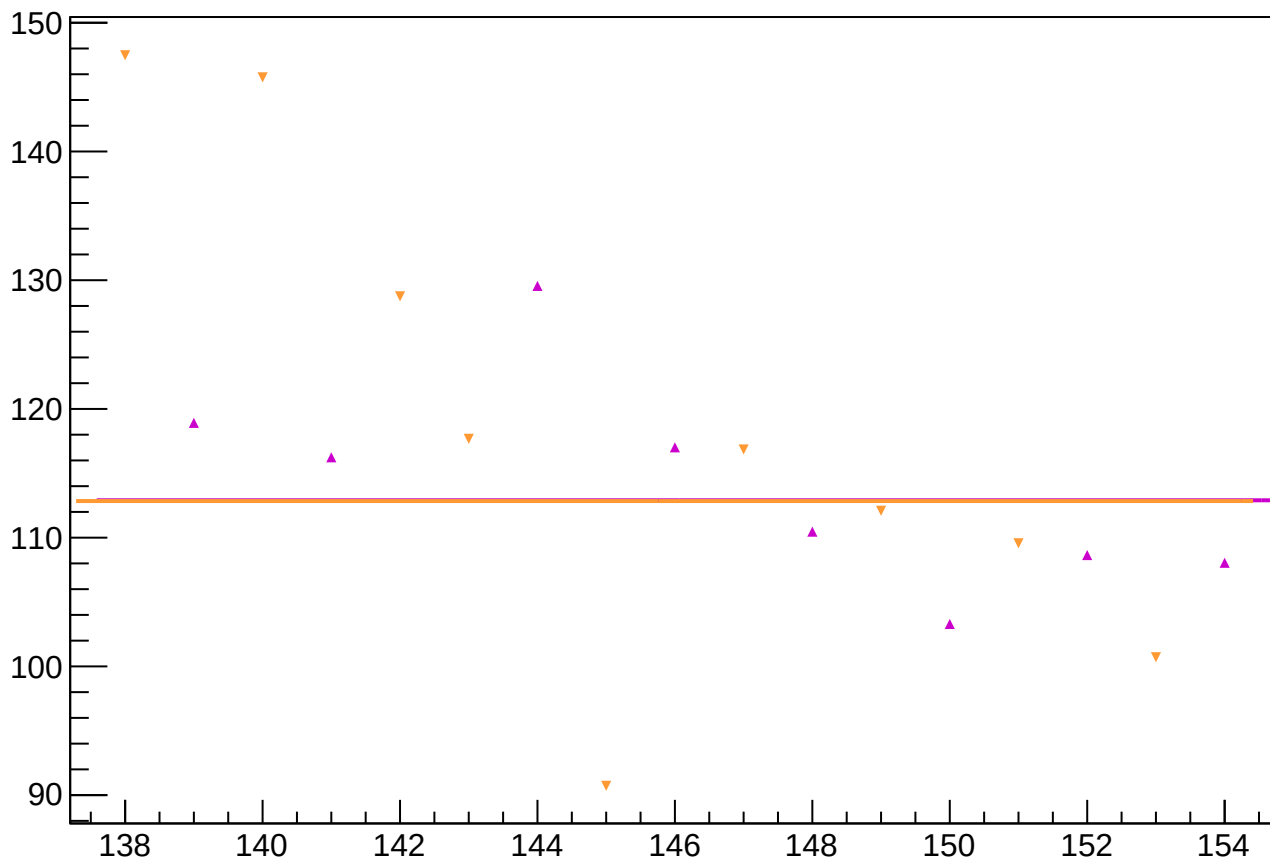
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 97.609+/-44.229 χ^2/NDF :4.1/7

Out: 93.275+/-44.962 χ^2/NDF :5.7/8

All: 95.478+/-31.530 χ^2/NDF : 9.8/16

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



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

Left Out: 112.845+/-0.032 χ^2/NDF :282889.5/8

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

Left In: 112.903+/-0.031 χ^2/NDF :55965.1/7

Left: 112.875+/-0.022 χ^2/NDF : 338856.3/16

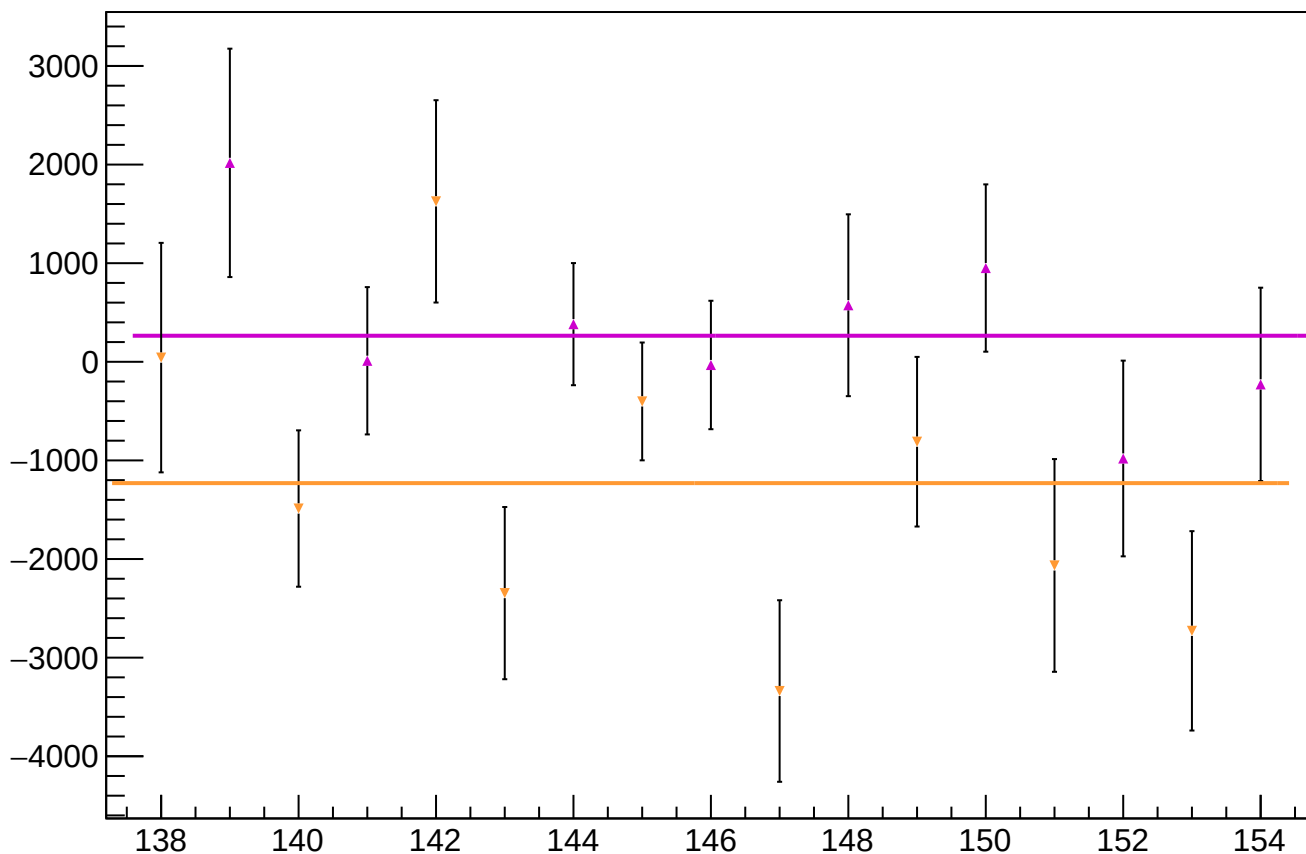
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 112.903+/-0.031 χ^2/NDF :55965.1/7

Out: 112.845+/-0.032 χ^2/NDF :282889.5/8

All: 112.875+/-0.022 χ^2/NDF : 338856.3/16

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1230.333+/-291.579 χ^2/NDF :20.9/8

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

Left In: 264.277+/-287.183 χ^2/NDF :5.2/7

Left: -471.676+/-204.605 χ^2/NDF : 39.5/16

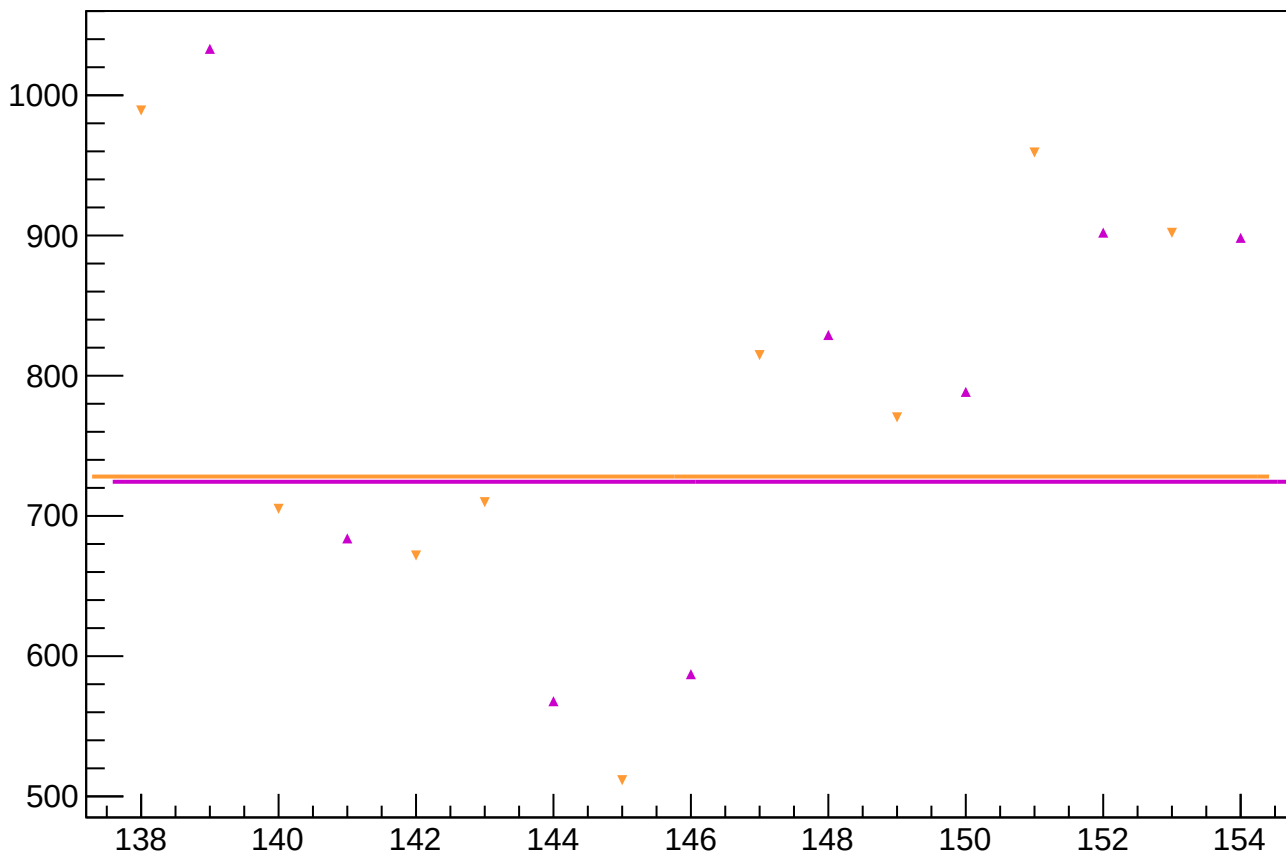
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 264.277+/-287.183 χ^2/NDF :5.2/7

Out: -1230.333+/-291.579 χ^2/NDF :20.9/8

All: -471.676+/-204.605 χ^2/NDF : 39.5/16

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 728.087+/-0.206 χ^2/NDF :545475.3/8

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

Left In: 724.368+/-0.203 χ^2/NDF :528800.7/7

Left: 726.199+/-0.145 χ^2/NDF : 1074441.1/16

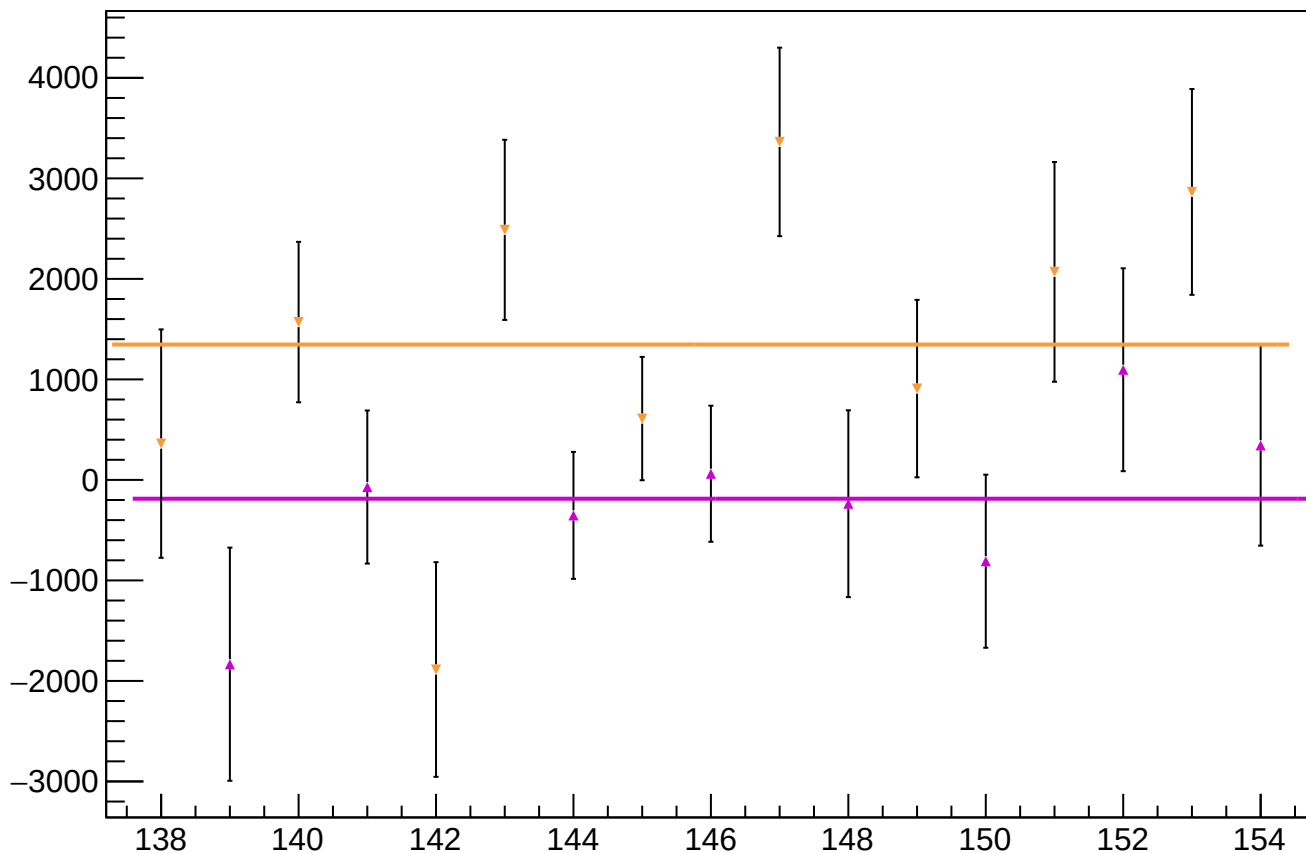
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 724.368+/-0.203 χ^2/NDF :528800.7/7

Out: 728.087+/-0.206 χ^2/NDF :545475.3/8

All: 726.199+/-0.145 χ^2/NDF : 1074441.1/16

asym_sam_2468_avg_mean vs Slug, Sign Corrected



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

Left Out: 1346.938+/-297.035 χ^2/NDF :20.6/8

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

Left In: -187.157+/-292.968 χ^2/NDF :4.7/7

Left: 569.315+/-208.583 χ^2/NDF : 38.7/16

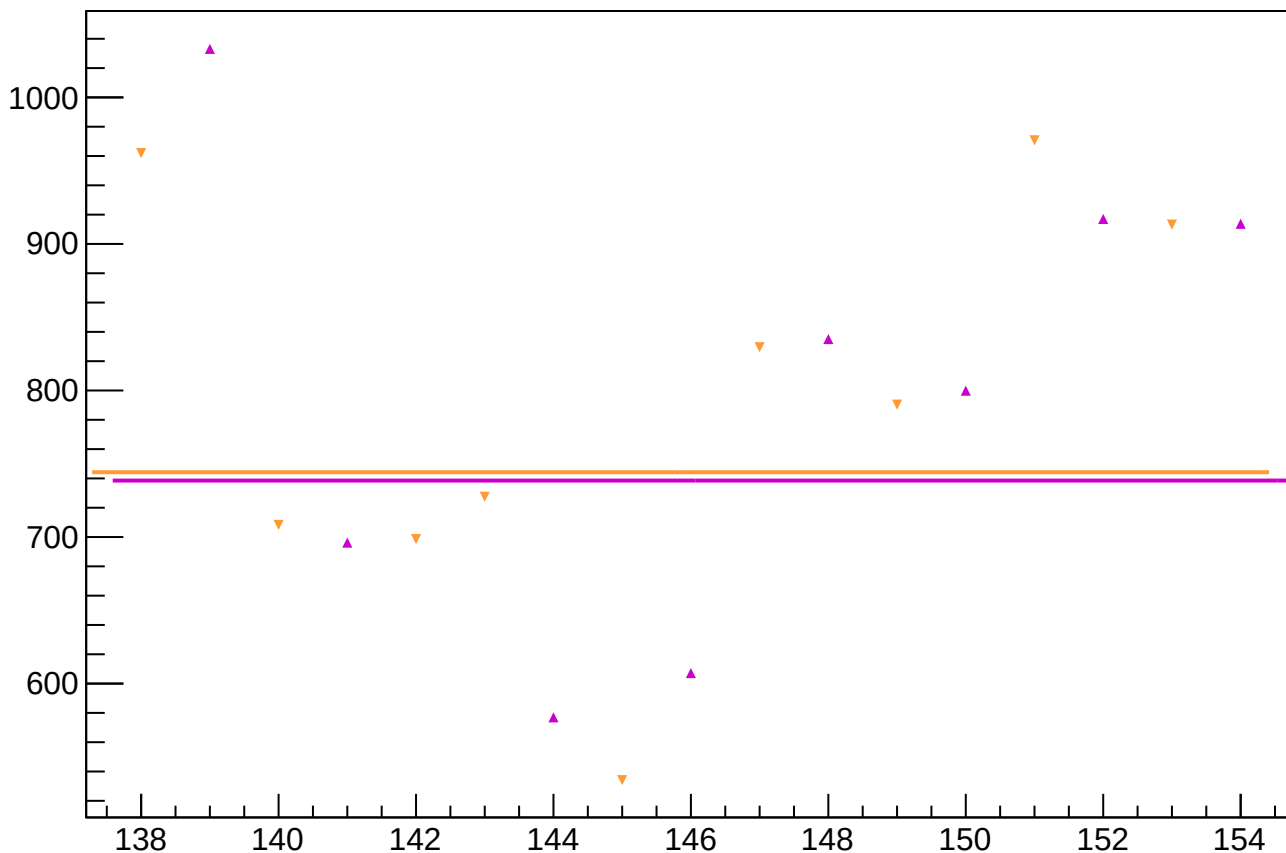
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -187.157+/-292.968 χ^2/NDF :4.7/7

Out: 1346.938+/-297.035 χ^2/NDF :20.6/8

All: 569.315+/-208.583 χ^2/NDF : 38.7/16

asym_sam_2468_avg_rms vs Slug, Sign Corrected



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

Left Out: 744.239+/-0.210 χ^2/NDF : 478797.0/8

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

Left In: 738.536+/-0.207 χ^2/NDF : 497381.9/7

Left: 741.349+/-0.147 χ^2/NDF : 976552.6/16

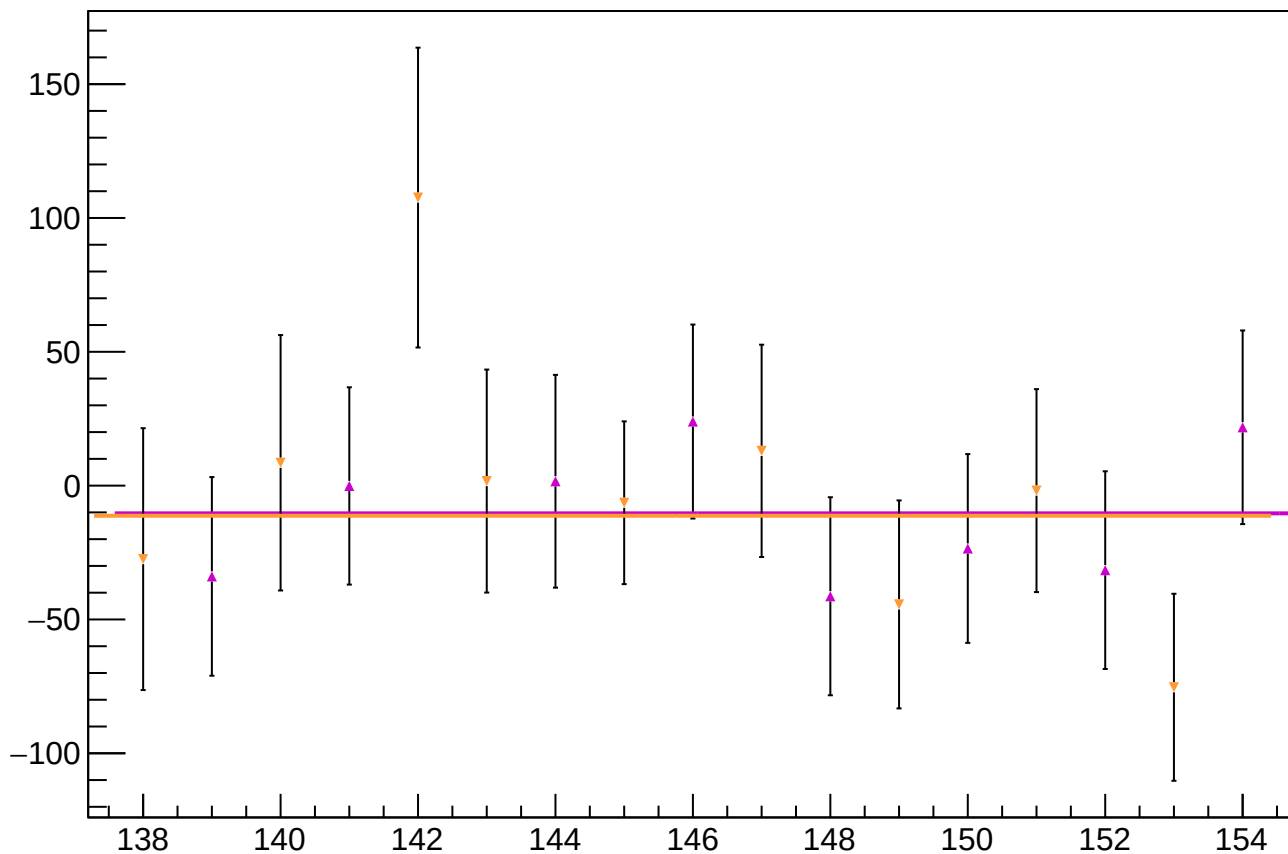
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 738.536+/-0.207 χ^2/NDF : 497381.9/7

Out: 744.239+/-0.210 χ^2/NDF : 478797.0/8

All: 741.349+/-0.147 χ^2/NDF : 976552.6/16

dit_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



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

Left Out: -11.247+/-13.307 χ^2/NDF :9.4/8

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

Left In: -10.359+/-13.031 χ^2/NDF :3.4/7

Left: -10.794+/-9.310 χ^2/NDF : 12.9/16

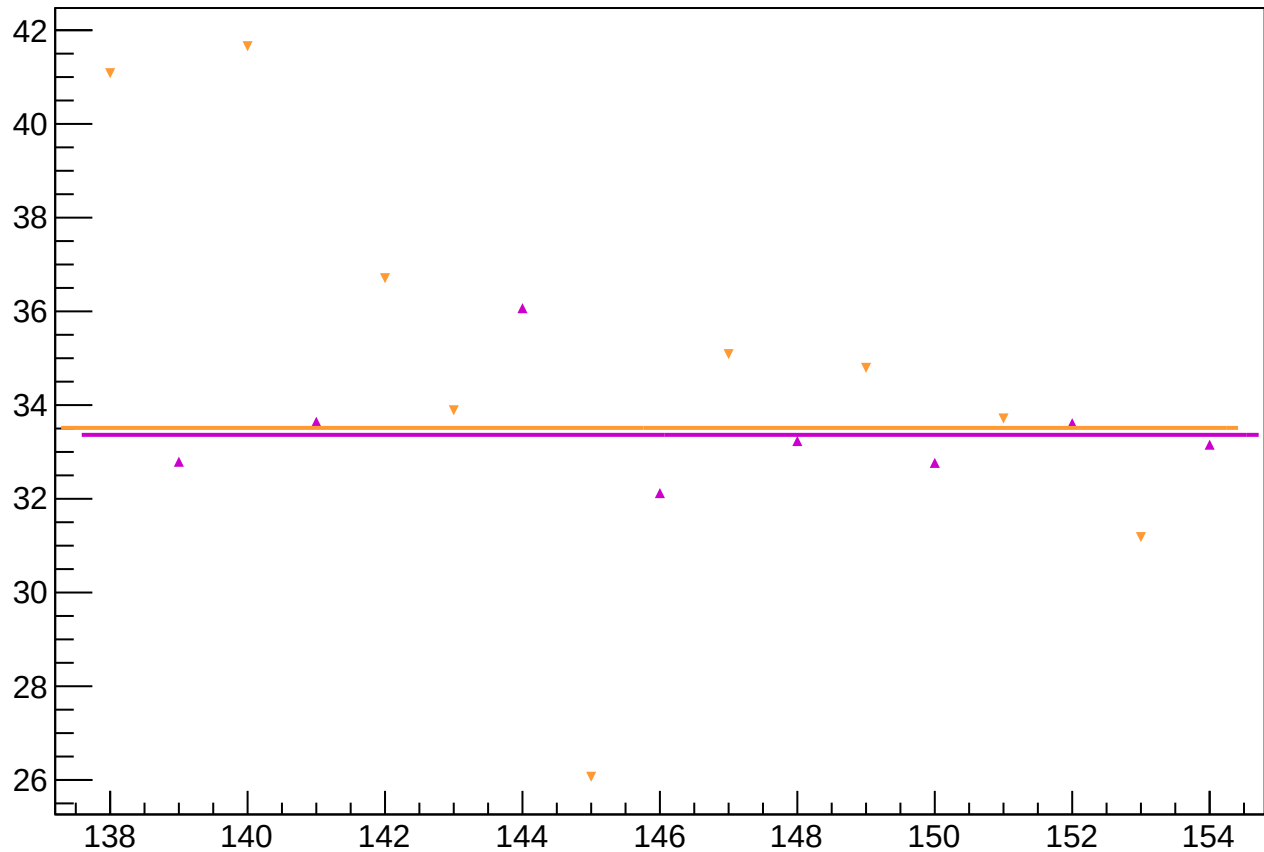
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -10.359+/-13.031 χ^2/NDF :3.4/7

Out: -11.247+/-13.307 χ^2/NDF :9.4/8

All: -10.794+/-9.310 χ^2/NDF : 12.9/16

dit_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



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

Left Out: 33.513+/-0.009 χ^2/NDF :247030.6/8

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

Left In: 33.365+/-0.009 χ^2/NDF :12952.7/7

Left: 33.437+/-0.007 χ^2/NDF : 260110.4/16

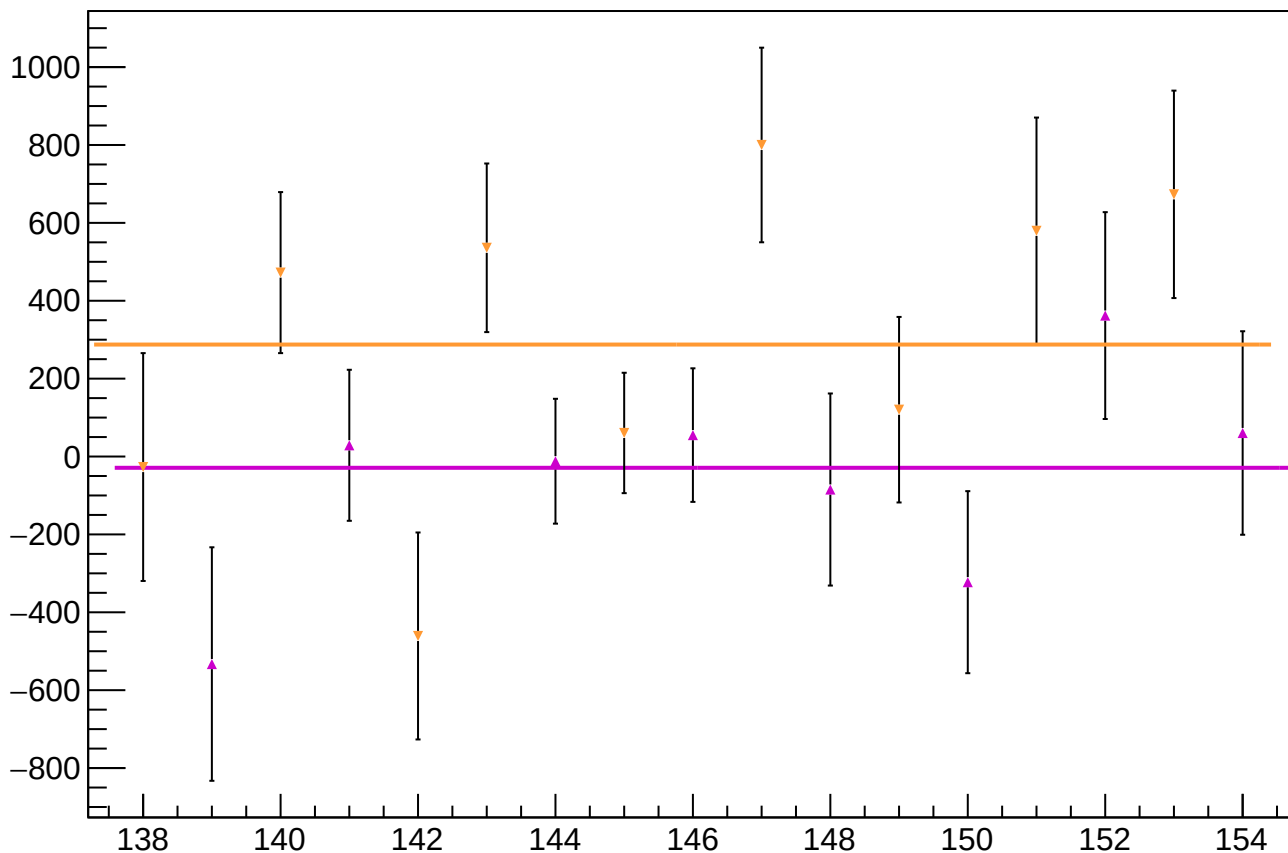
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 33.365+/-0.009 χ^2/NDF :12952.7/7

Out: 33.513+/-0.009 χ^2/NDF :247030.6/8

All: 33.437+/-0.007 χ^2/NDF : 260110.4/16

asym_sam_1357_2468_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 287.529+/-76.254 χ^2/NDF :21.2/8

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

Left In: -28.944+/-75.765 χ^2/NDF :7.1/7

Left: 128.274+/-53.746 χ^2/NDF : 36.9/16

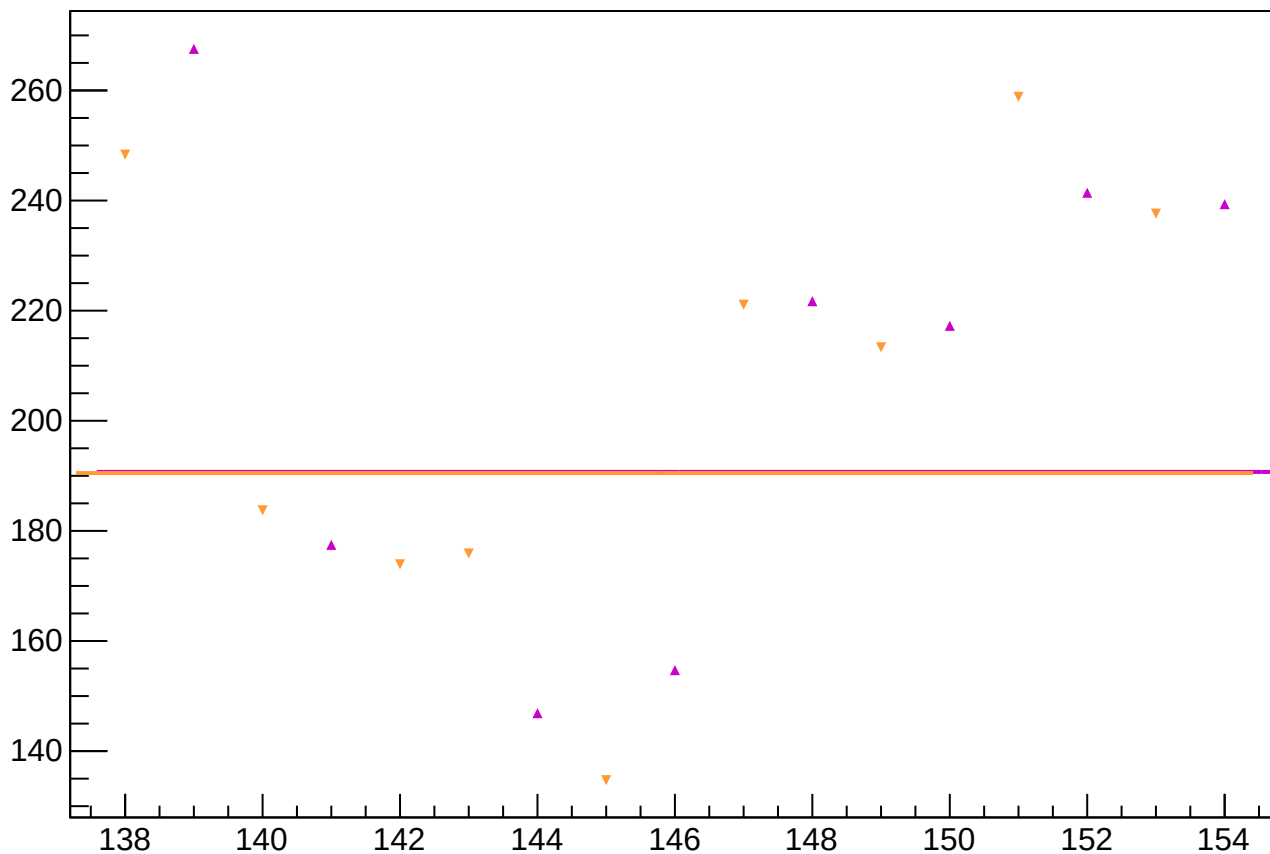
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -28.944+/-75.765 χ^2/NDF :7.1/7

Out: 287.529+/-76.254 χ^2/NDF :21.2/8

All: 128.274+/-53.746 χ^2/NDF : 36.9/16

asym_sam_1357_2468_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 190.503+/-0.054 χ^2/NDF : 578934.1/8

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

Left In: 190.713+/-0.054 χ^2/NDF : 577900.7/7

Left: 190.609+/-0.038 χ^2/NDF : 1156842.4/16

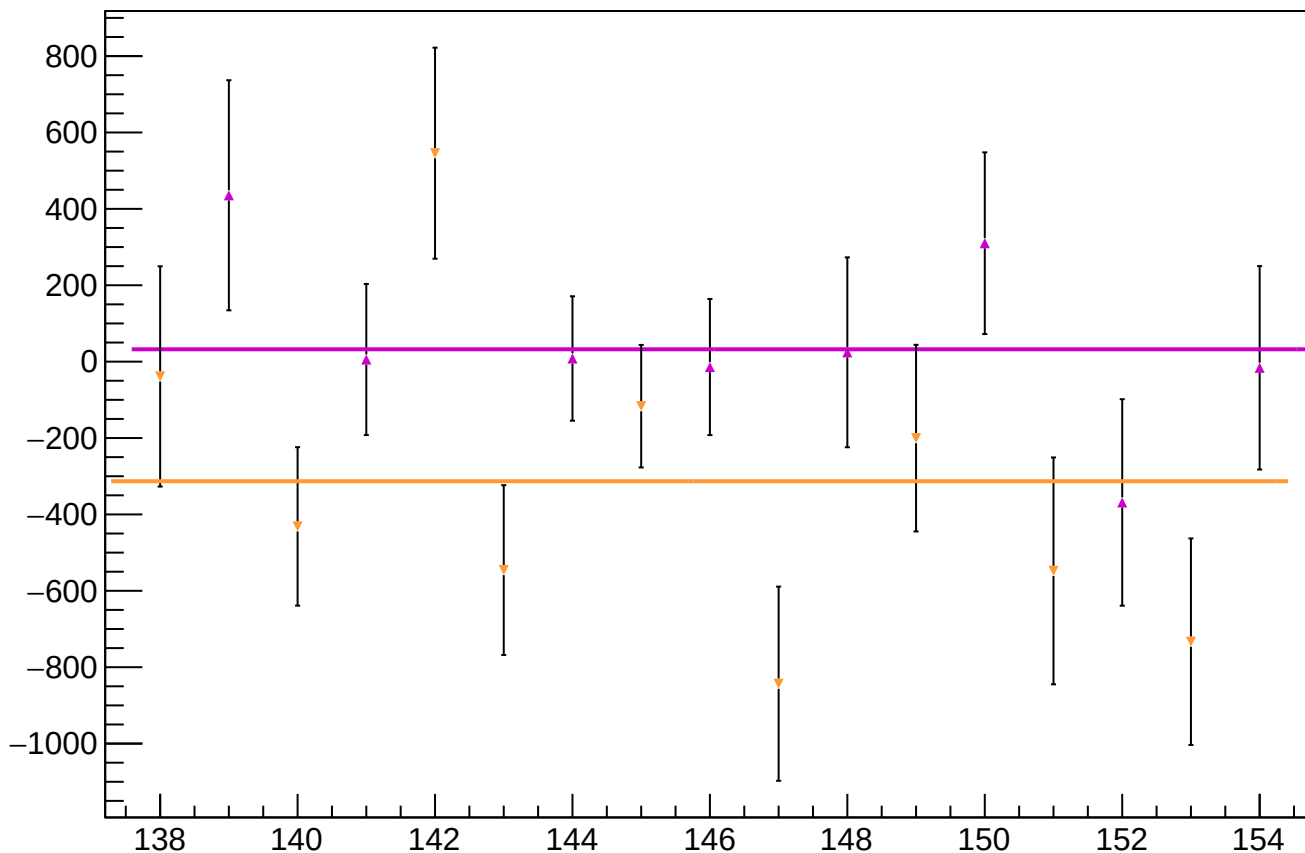
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 190.713+/-0.054 χ^2/NDF : 577900.7/7

Out: 190.503+/-0.054 χ^2/NDF : 578934.1/8

All: 190.609+/-0.038 χ^2/NDF : 1156842.4/16

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



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

Left Out: -313.040+/-77.916 χ^2/NDF :21.1/8

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

Left In: 32.364+/-77.286 χ^2/NDF :5.5/7

Left: -138.937+/-54.871 χ^2/NDF : 36.5/16

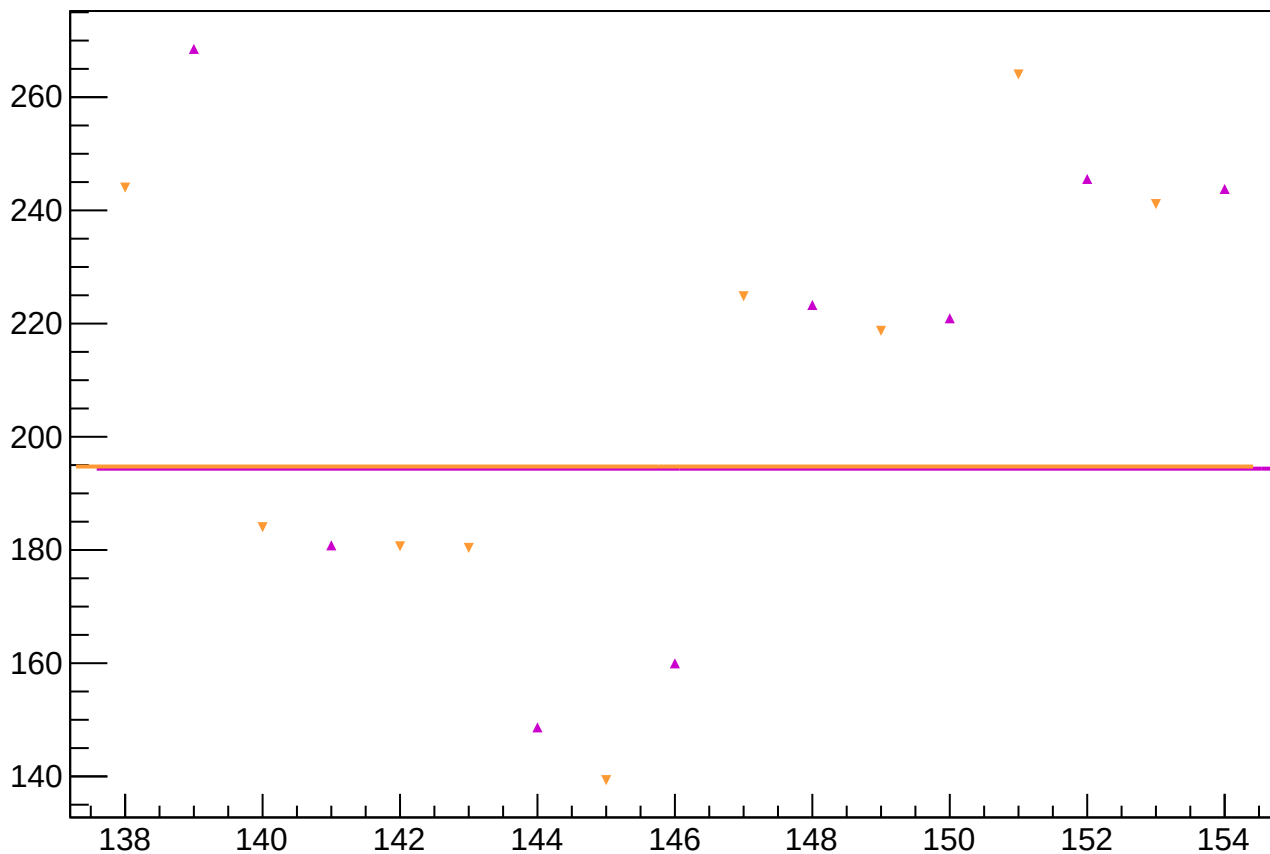
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 32.364+/-77.286 χ^2/NDF :5.5/7

Out: -313.040+/-77.916 χ^2/NDF :21.1/8

All: -138.937+/-54.871 χ^2/NDF : 36.5/16

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



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

Left Out: 194.745+/-0.055 χ^2/NDF : 530906.7/8

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

Left In: 194.371+/-0.055 χ^2/NDF : 555221.1/7

Left: 194.557+/-0.039 χ^2/NDF : 1086151.0/16

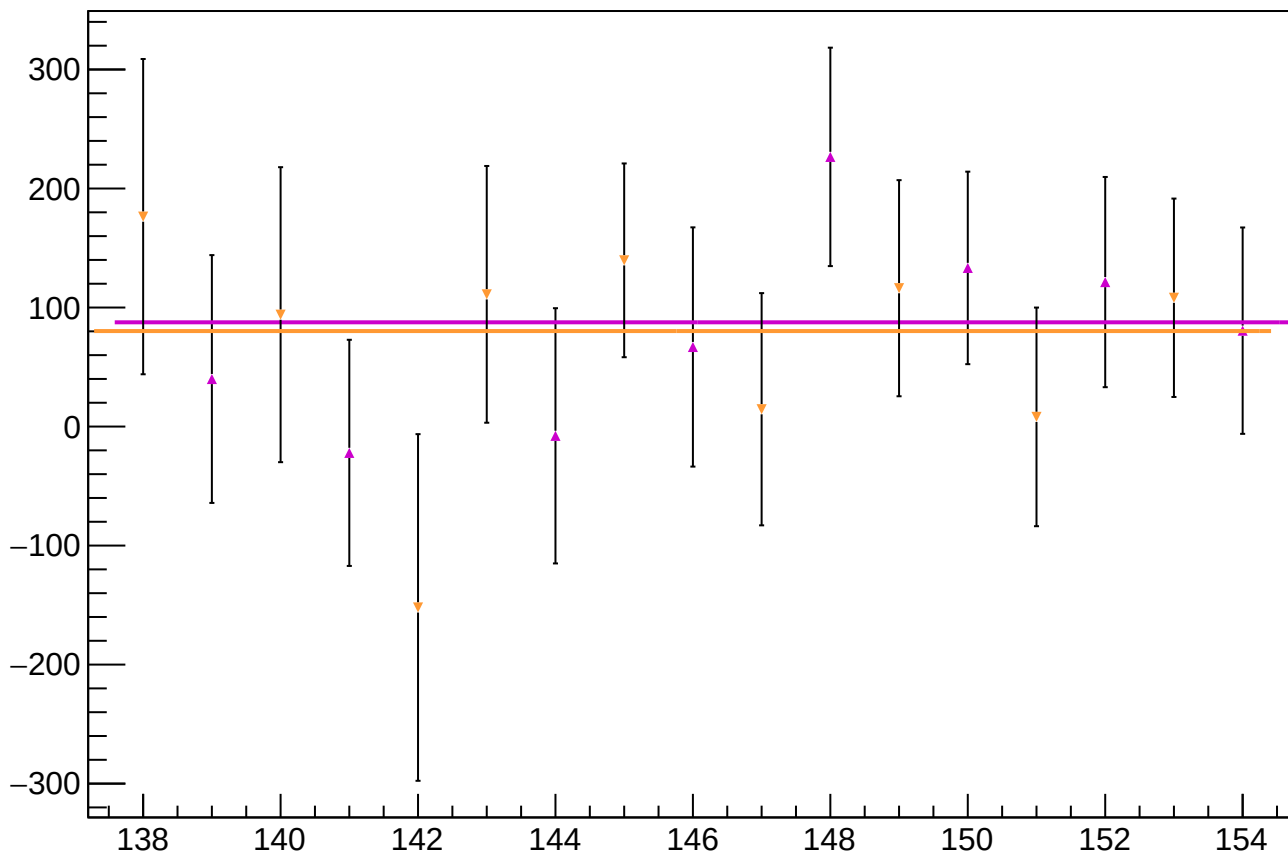
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 194.371+/-0.055 χ^2/NDF : 555221.1/7

Out: 194.745+/-0.055 χ^2/NDF : 530906.7/8

All: 194.557+/-0.039 χ^2/NDF : 1086151.0/16

dit_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 80.224 $\pm$ 33.426 χ^2 /NDF:5.0/8

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 87.586 $\pm$ 32.934 χ^2 /NDF:5.1/7

Left: 83.960 $\pm$ 23.460 χ^2 /NDF: 10.2/16

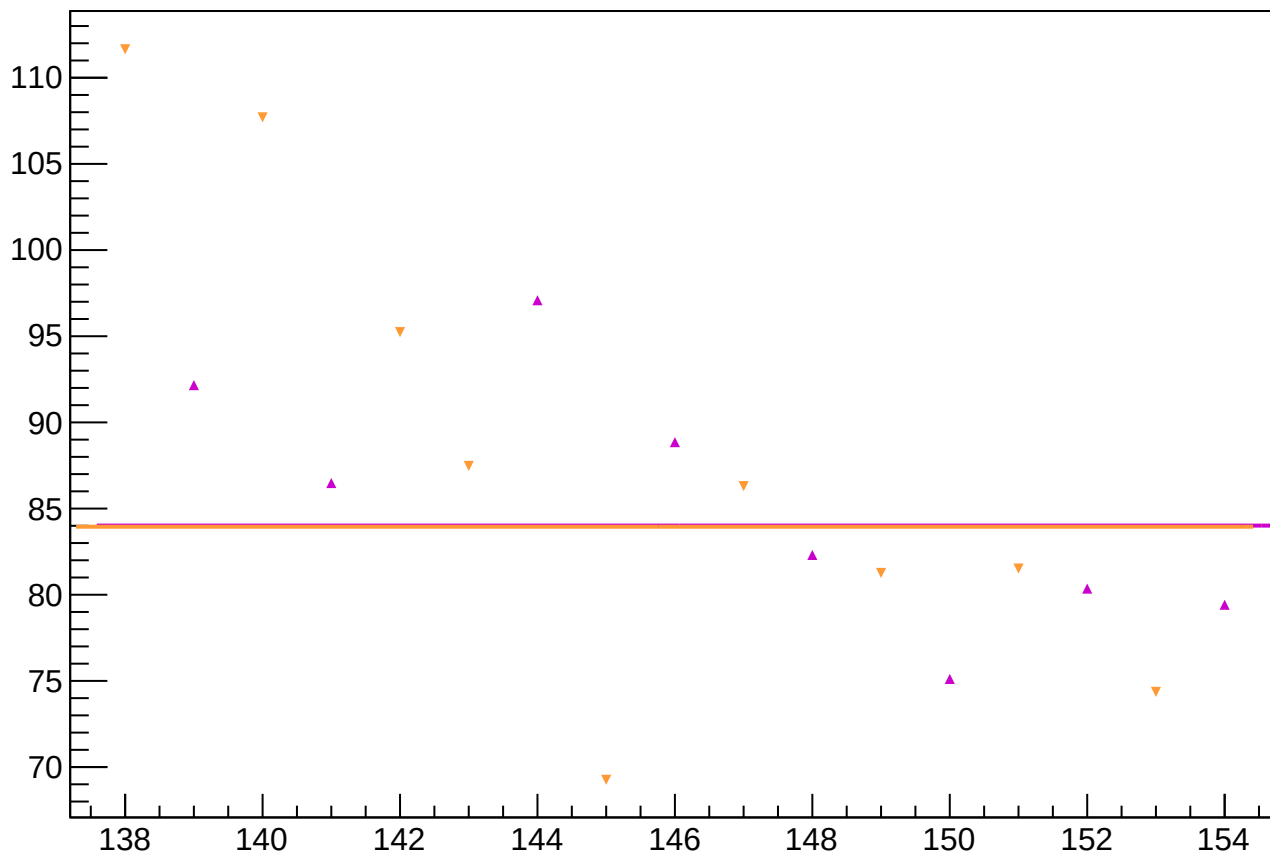
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 87.586 $\pm$ 32.934 χ^2 /NDF:5.1/7

Out: 80.224 $\pm$ 33.426 χ^2 /NDF:5.0/8

All: 83.960 $\pm$ 23.460 χ^2 /NDF: 10.2/16

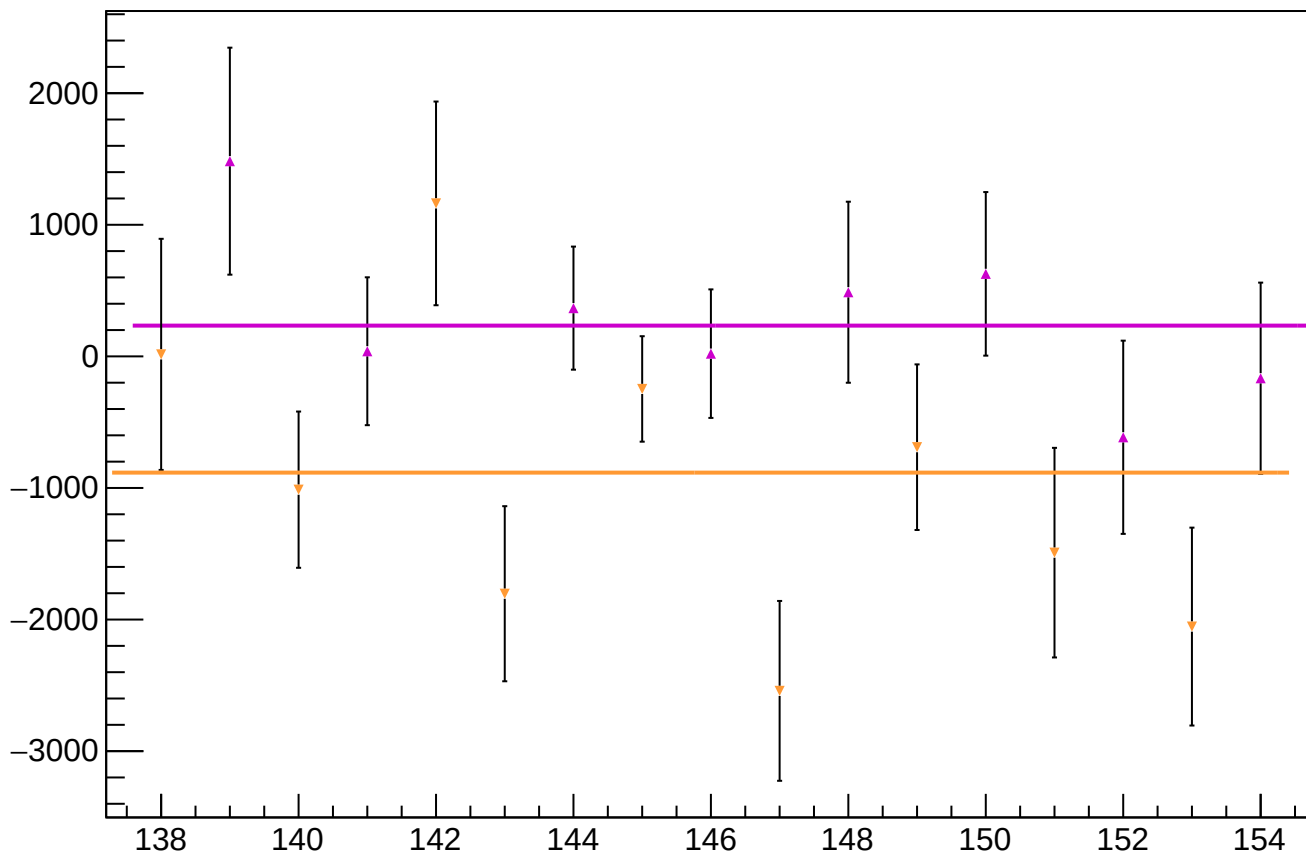
dit_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 83.947+/-0.024 χ^2/NDF : 270992.7/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 84.012+/-0.023 χ^2/NDF : 81938.6/7

Left: 83.980+/-0.017 χ^2/NDF : 352935.2/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 84.012+/-0.023 χ^2/NDF : 81938.6/7
 Out: 83.947+/-0.024 χ^2/NDF : 270992.7/8
 All: 83.980+/-0.017 χ^2/NDF : 352935.2/16

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -883.320+/-211.760 χ^2/NDF :21.5/8

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

Left In: 233.743+/-214.530 χ^2/NDF :4.7/7

Left: -332.047+/-150.706 χ^2/NDF : 39.9/16

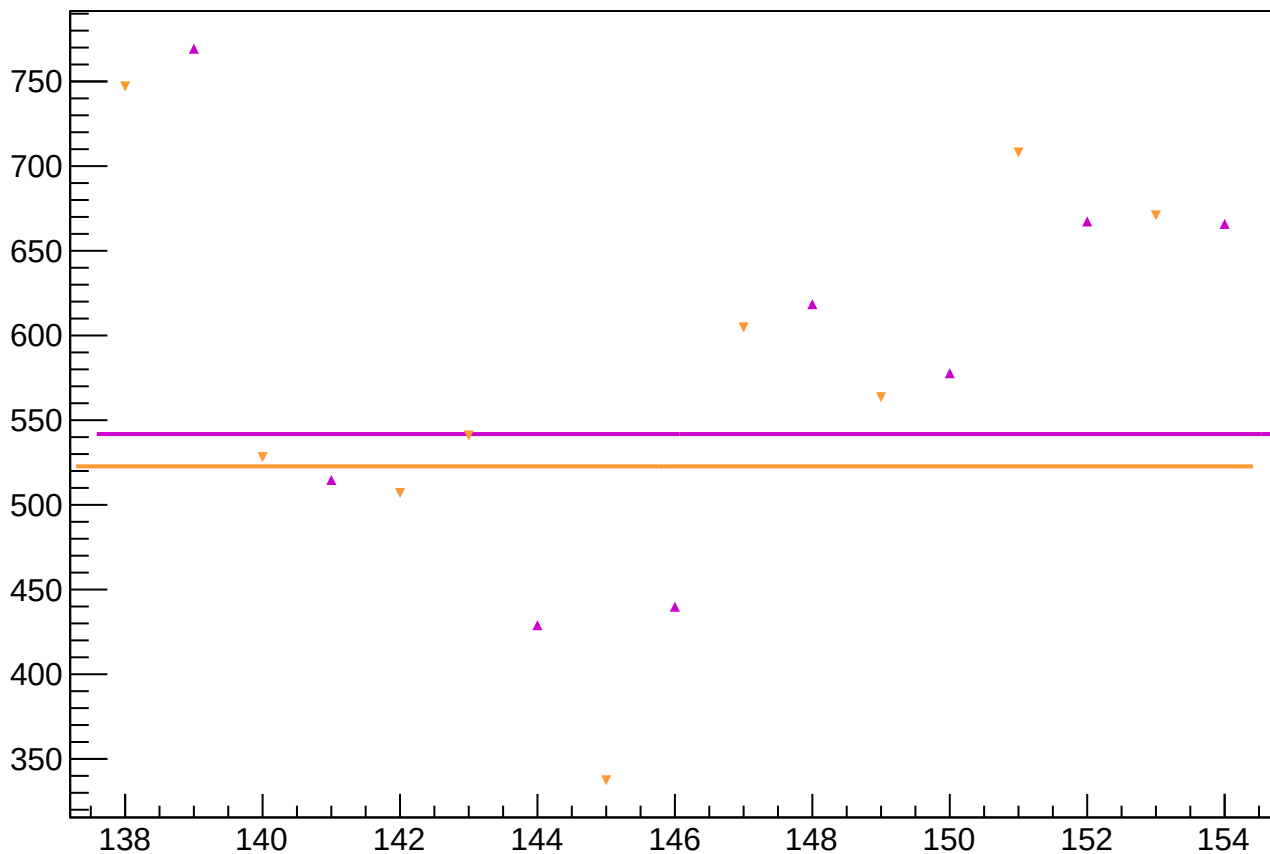
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 233.743+/-214.530 χ^2/NDF :4.7/7

Out: -883.320+/-211.760 χ^2/NDF :21.5/8

All: -332.047+/-150.706 χ^2/NDF : 39.9/16

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 522.731+/-0.150 χ^2/NDF : 783968.4/8

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

Left In: 541.807+/-0.152 χ^2/NDF : 495695.8/7

Left: 532.145+/-0.107 χ^2/NDF : 1287674.3/16

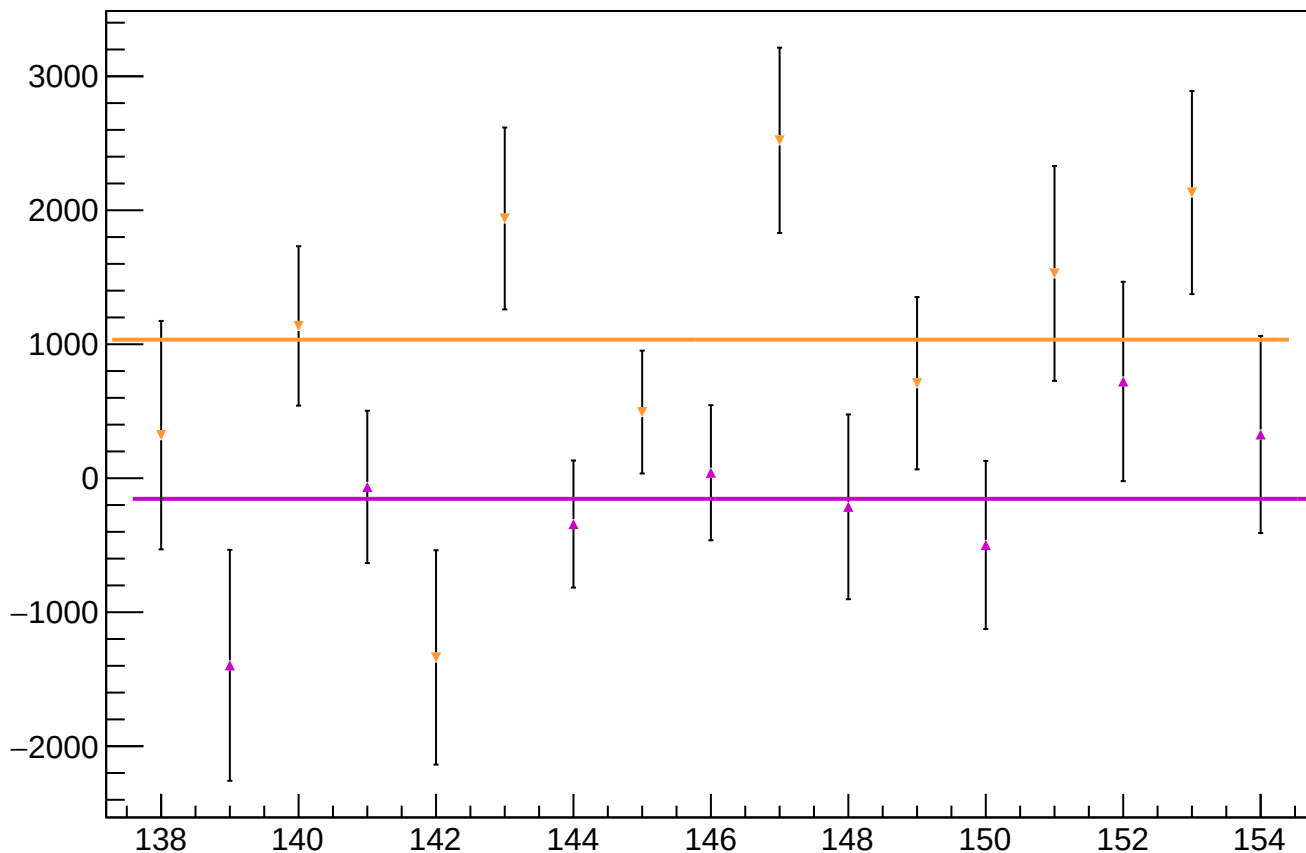
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 541.807+/-0.152 χ^2/NDF : 495695.8/7

Out: 522.731+/-0.150 χ^2/NDF : 783968.4/8

All: 532.145+/-0.107 χ^2/NDF : 1287674.3/16

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



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

Left Out: 1033.993+/-220.884 χ^2/NDF :20.0/8

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

Left In: -153.662+/-217.582 χ^2/NDF :4.5/7

Left: 431.222+/-155.008 χ^2/NDF : 39.2/16

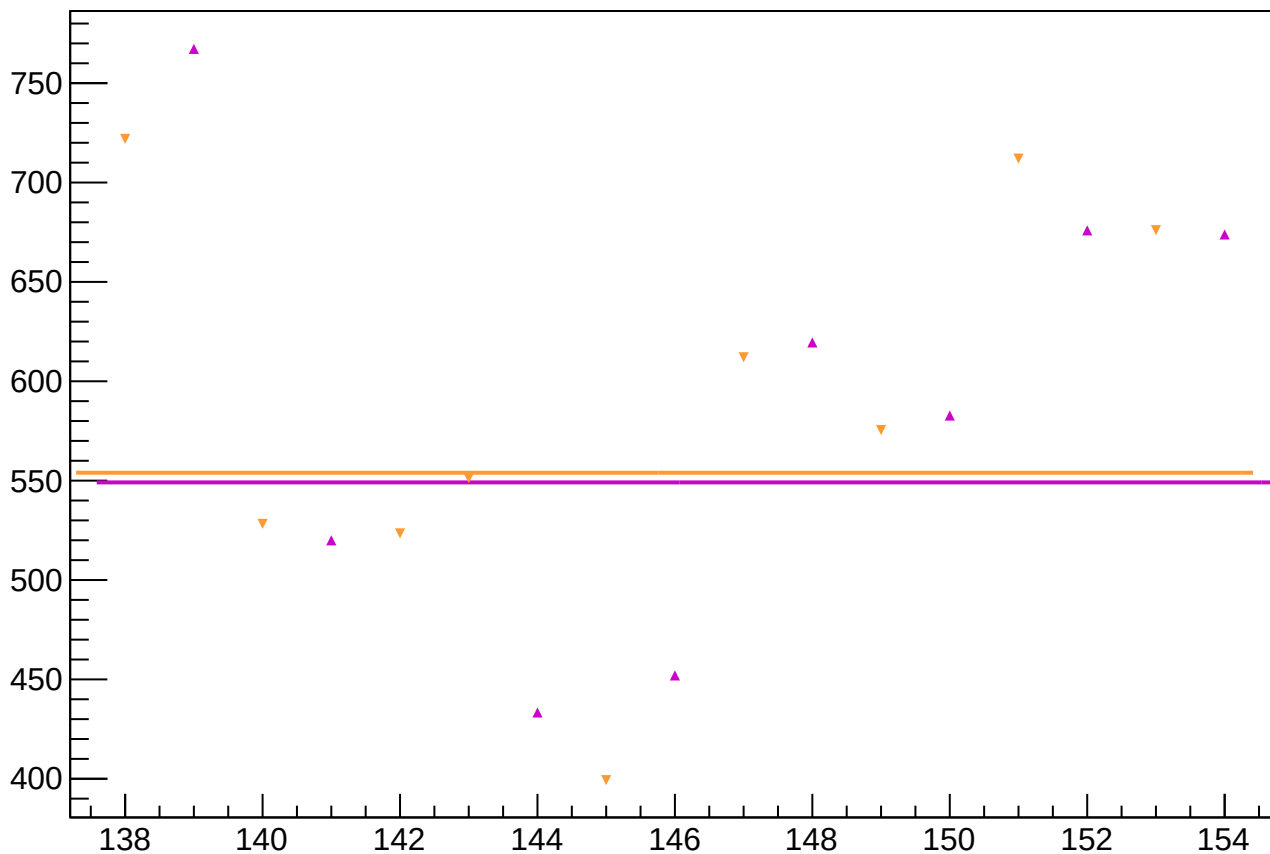
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -153.662+/-217.582 χ^2/NDF :4.5/7

Out: 1033.993+/-220.884 χ^2/NDF :20.0/8

All: 431.222+/-155.008 χ^2/NDF : 39.2/16

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



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

Left Out: 553.986+/-0.156 χ^2/NDF : 457887.2/8

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

Left In: 549.119+/-0.154 χ^2/NDF : 469108.2/7

Left: 551.516+/-0.110 χ^2/NDF : 927488.3/16

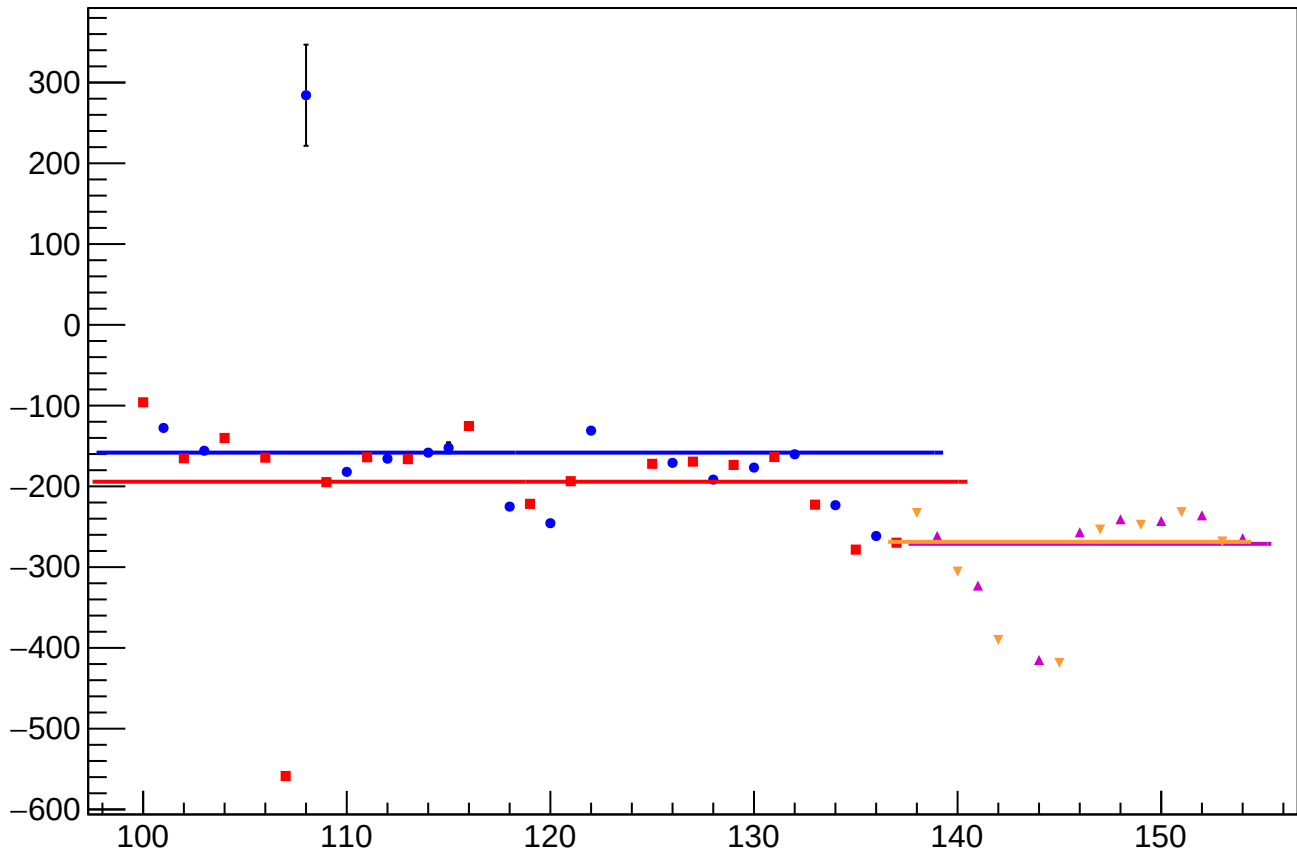
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 549.119+/-0.154 χ^2/NDF : 469108.2/7

Out: 553.986+/-0.156 χ^2/NDF : 457887.2/8

All: 551.516+/-0.110 χ^2/NDF : 927488.3/16

dit_usl_4aX_slope vs Slug, Sign Corrected



Right In: -158.222 $\pm$ 0.000 χ^2 /NDF: 117166.2/15

Left Out: -268.682 $\pm$ 0.220 χ^2 /NDF: 24796.5/7

Right Out: -194.268 $\pm$ 0.165 χ^2 /NDF: 176560.4/17

Left In: -271.118 $\pm$ 0.210 χ^2 /NDF: 42334.5/7

Left: -269.958 $\pm$ 0.152 χ^2 /NDF: 67195.0/15

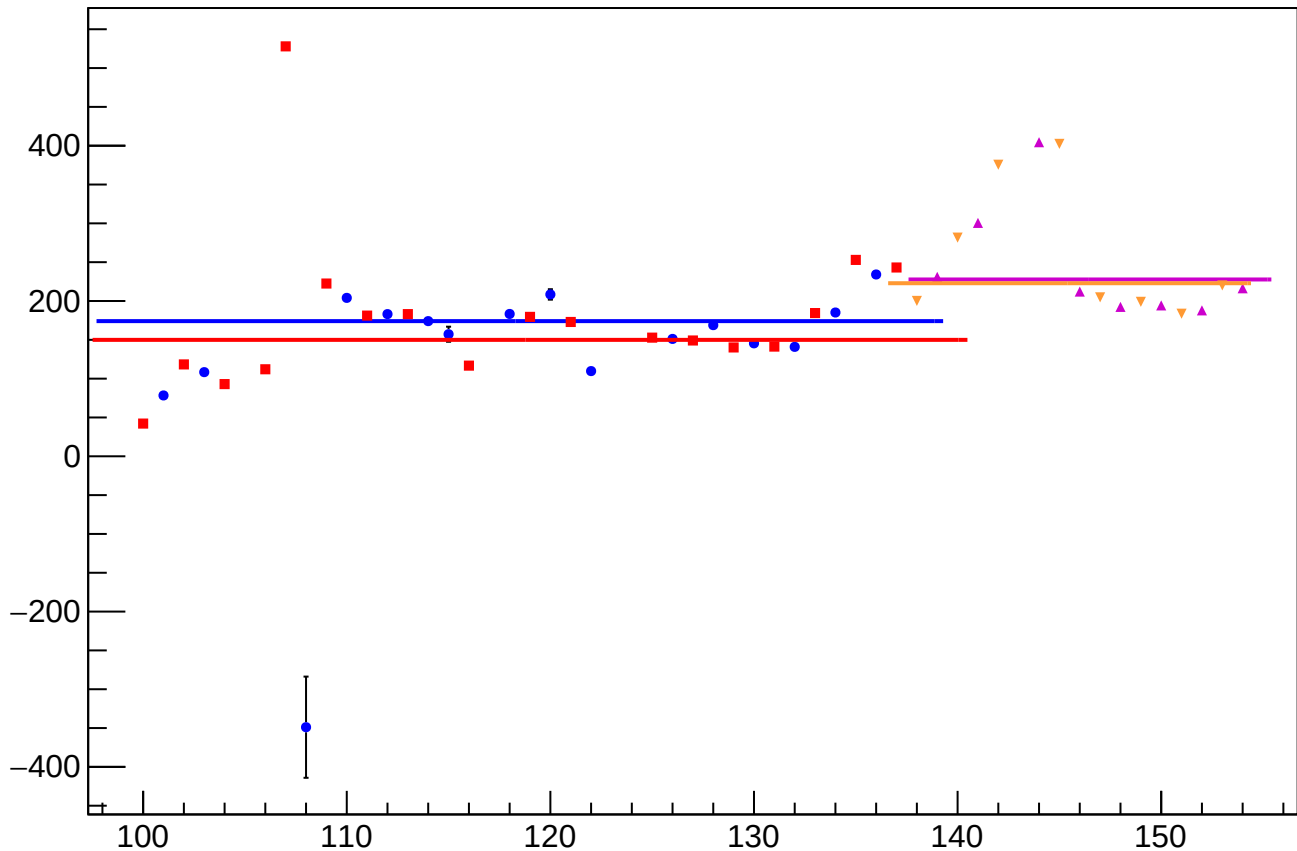
Right: -158.222 $\pm$ 0.000 χ^2 /NDF: 341369.6/33

In: -158.222 $\pm$ 0.000 χ^2 /NDF: 448173.5/23

Out: -221.046 $\pm$ 0.132 χ^2 /NDF: 274421.8/25

All: -158.222 $\pm$ 0.000 χ^2 /NDF: 948667.2/49

dit_usl_4eX_slope vs Slug, Sign Corrected



Right In: 174.085+/-0.000 χ^2/NDF : 53377.4/15

Left Out: 222.893+/-0.220 χ^2/NDF : 32426.8/7

Right Out: 149.948+/-0.196 χ^2/NDF : 167846.4/17

Left In: 227.722+/-0.213 χ^2/NDF : 59880.3/7

Left: 225.387+/-0.153 χ^2/NDF : 92555.4/15

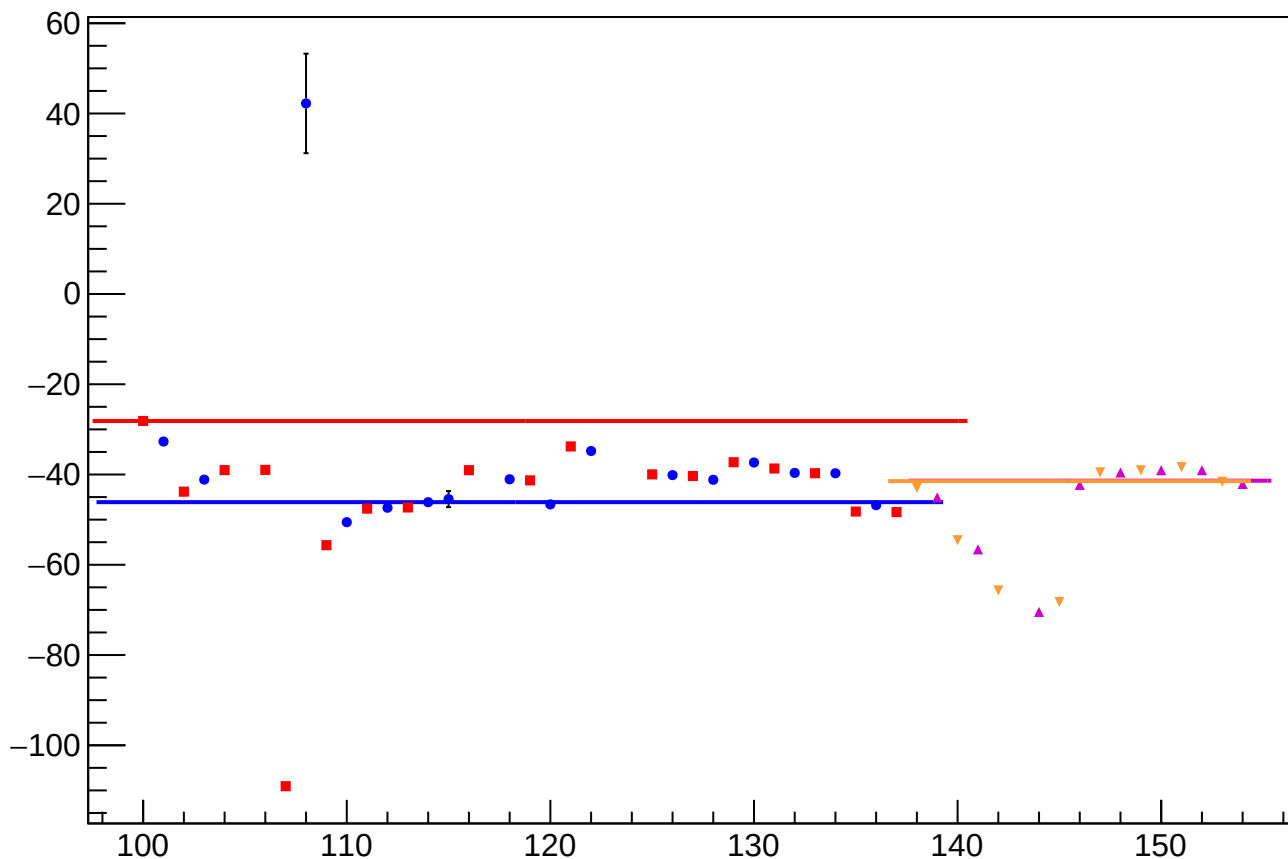
Right: 174.085+/-0.000 χ^2/NDF : 236460.5/33

In: 174.085+/-0.000 χ^2/NDF : 176622.6/23

Out: 182.102+/-0.146 χ^2/NDF : 261614.6/25

All: 174.085+/-0.000 χ^2/NDF : 441243.2/49

dit_usl_11X12X_slope vs Slug, Sign Corrected



Right In: -46.126 ± 0.000 χ^2/NDF : 201273.7/15

Left Out: -41.471 ± 0.010 χ^2/NDF : 84091.5/7

Right Out: -28.139 ± 0.000 χ^2/NDF : 746939.9/17

Left In: -41.365 ± 0.012 χ^2/NDF : 154598.6/7

Left: -41.428 ± 0.008 χ^2/NDF : 238734.0/15

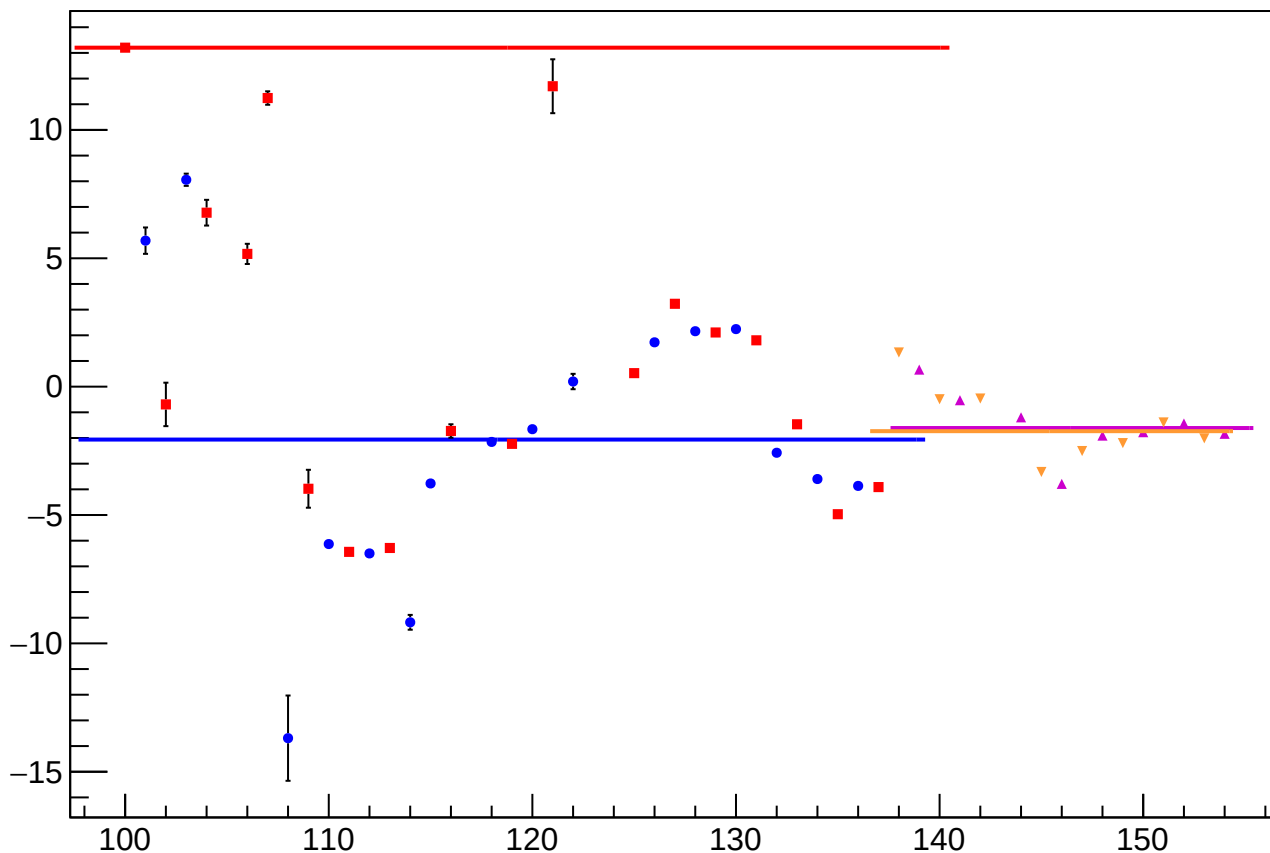
Right: -39.778 ± 0.000 χ^2/NDF : 248795993231659

In: -46.126 ± 0.000 χ^2/NDF : 506303.2/23

Out: -28.139 ± 0.000 χ^2/NDF : 2564940.3/25

All: -39.778 ± 0.000 χ^2/NDF : 248795993231

dit_usl_4aY_slope vs Slug, Sign Corrected



Right In: -2.061 ± 0.018 $\chi^2/\text{NDF}: 25665.1/15$

Left Out: -1.734 ± 0.011 $\chi^2/\text{NDF}: 7294.3/7$

Right Out: 13.204 ± 0.000 $\chi^2/\text{NDF}: 509721.0/17$

Left In: -1.612 ± 0.008 $\chi^2/\text{NDF}: 6486.3/7$

Left: -1.655 ± 0.007 $\chi^2/\text{NDF}: 13854.5/15$

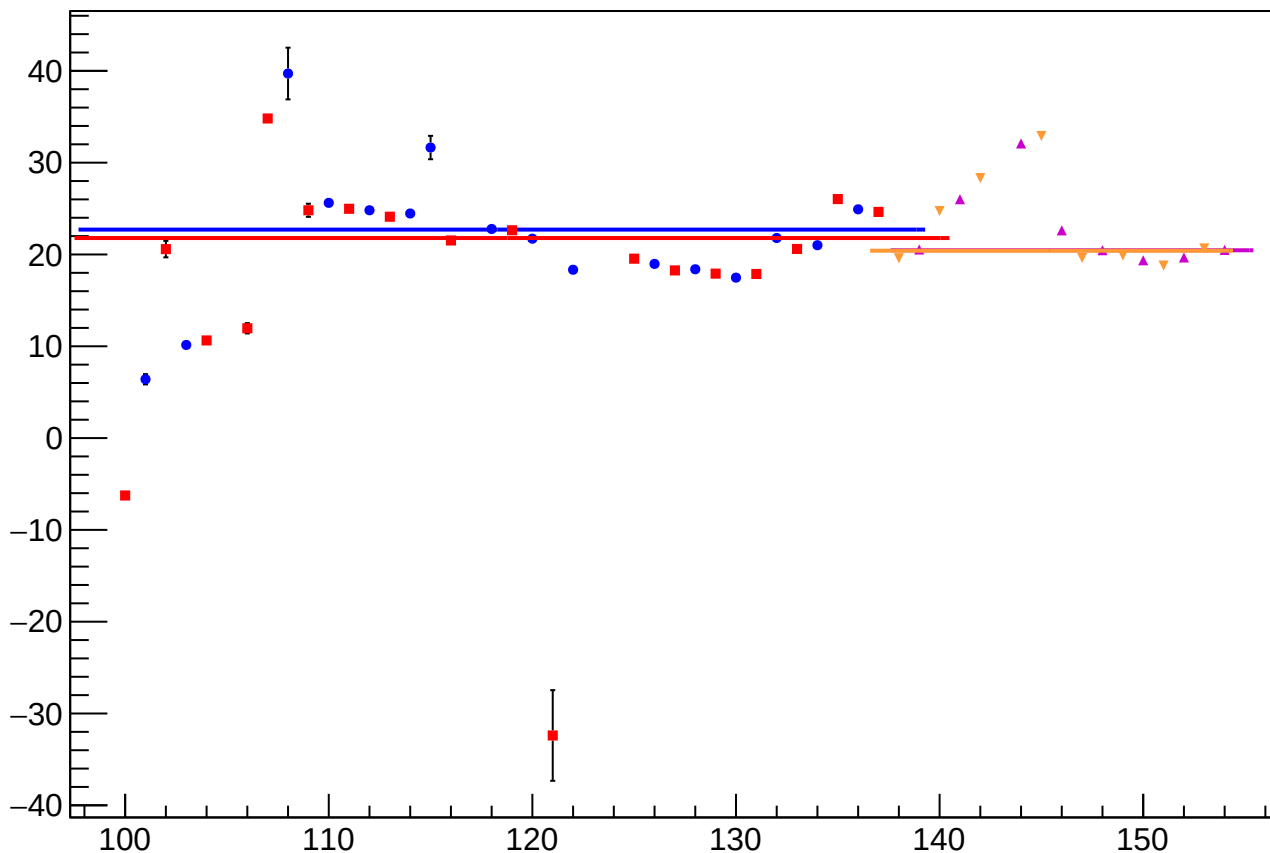
Right: 13.204 ± 0.000 $\chi^2/\text{NDF}: 1268800.5/33$

In: -1.694 ± 0.008 $\chi^2/\text{NDF}: 32670.4/23$

Out: 13.204 ± 0.000 $\chi^2/\text{NDF}: 2216206.4/25$

All: 13.204 ± 0.000 $\chi^2/\text{NDF}: 6062353.2/49$

dit_usl_4eY_slope vs Slug, Sign Corrected



Right In: 22.711 $\pm$ 0.019 χ^2 /NDF: 22767.9/15

Left Out: 20.412 $\pm$ 0.015 χ^2 /NDF:14226.5/7

Right Out: 21.790 $\pm$ 0.022 χ^2 /NDF: 26670.9/17

Left In: 20.459 $\pm$ 0.011 χ^2 /NDF:26569.8/7

Left: 20.442 $\pm$ 0.009 χ^2 /NDF: 40802.9/15

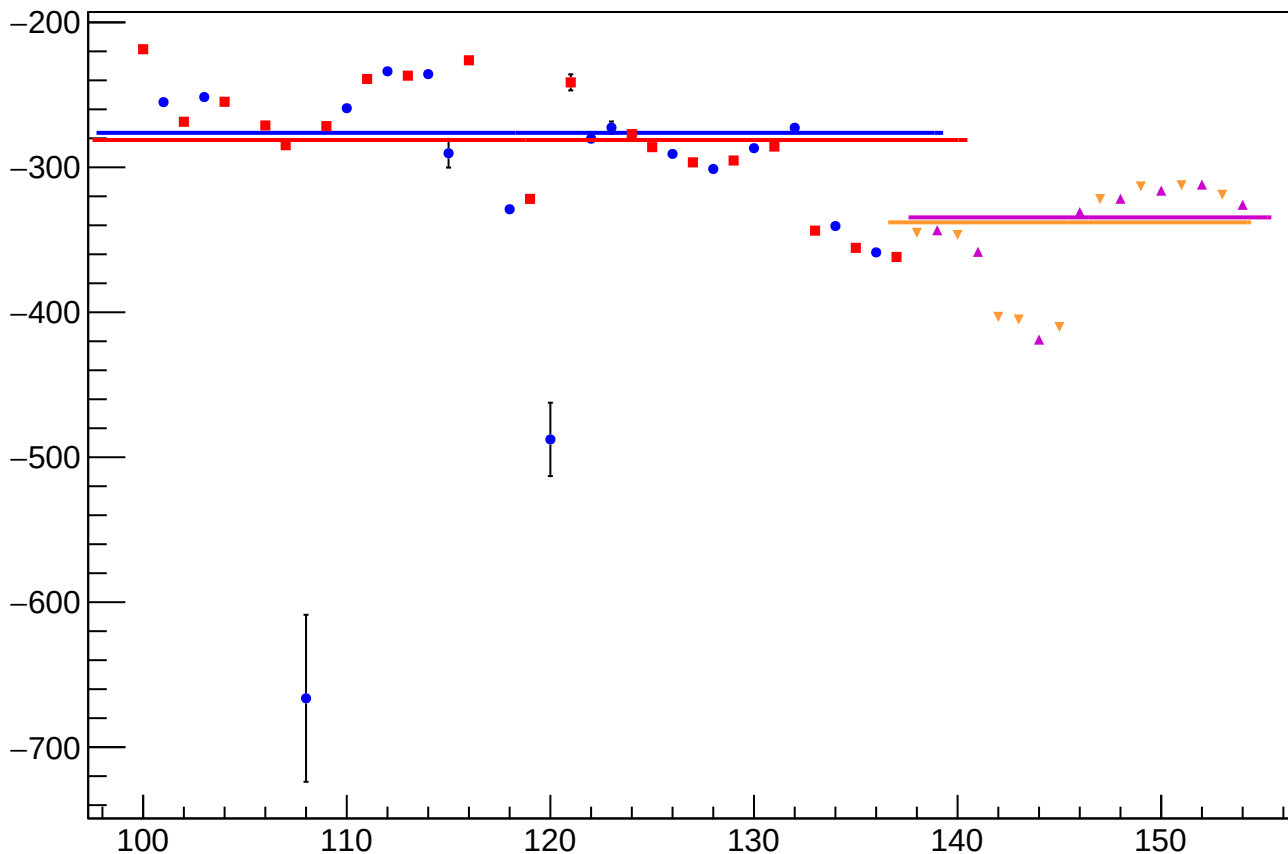
Right: 22.313 $\pm$ 0.014 χ^2 /NDF: 50478.1/33

In: 21.049 $\pm$ 0.010 χ^2 /NDF:59972.6/23

Out: 20.851 $\pm$ 0.012 χ^2 /NDF:43693.9/25

All: 20.973 $\pm$ 0.008 χ^2 /NDF: 103830.7/49

dit_usr_4aX_slope vs Slug, Sign Corrected



Right In: -276.201+/-0.167 χ^2/NDF : 58107.7/16

Left Out: -337.968+/-0.196 χ^2/NDF : 24015.7/8

Right Out: -281.150+/-0.148 χ^2/NDF : 77611.5/18

Left In: -334.530+/-0.145 χ^2/NDF : 31212.3/7

Left: -335.749+/-0.116 χ^2/NDF : 55427.5/16

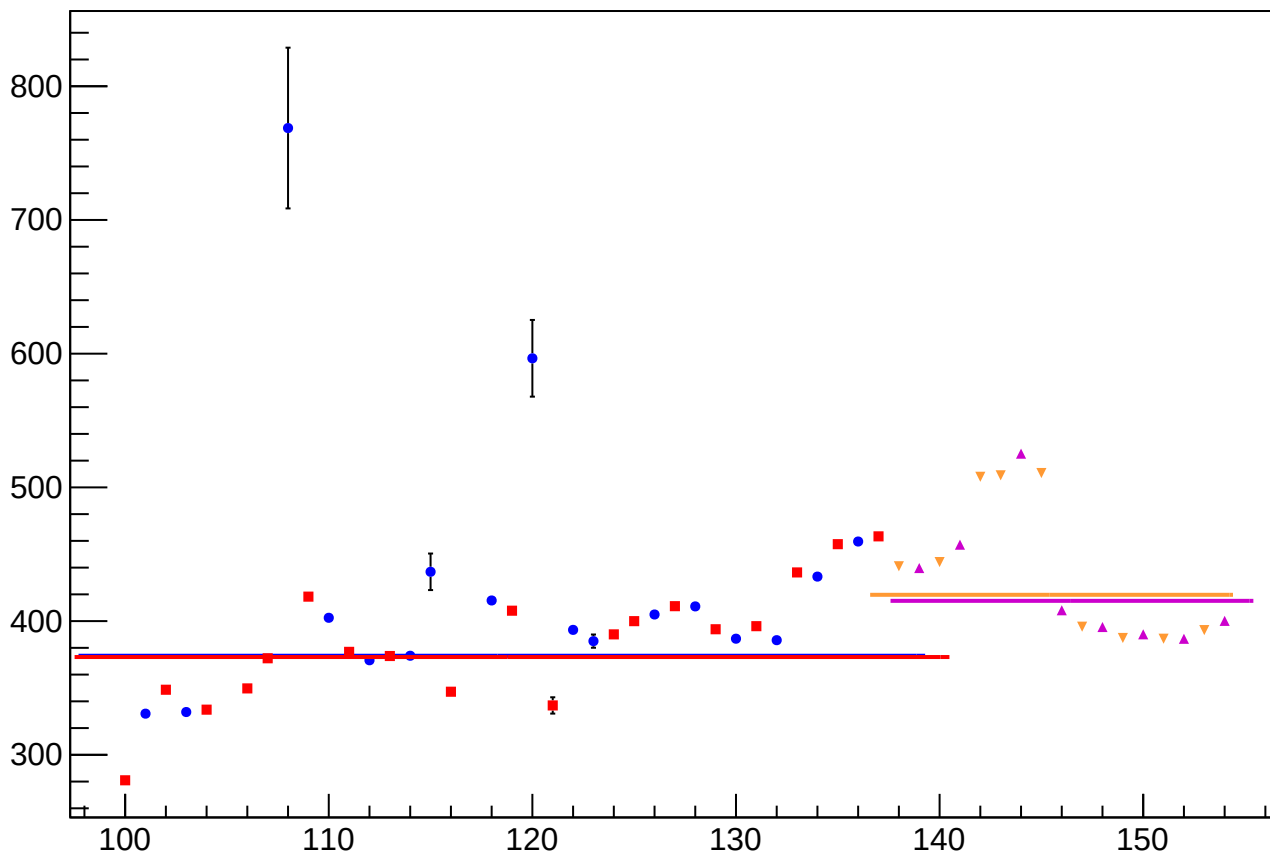
Right: -278.974+/-0.110 χ^2/NDF : 136213.7/35

In: -309.406+/-0.109 χ^2/NDF : 159129.6/24

Out: -301.768+/-0.118 χ^2/NDF : 155434.5/27

All: -305.871+/-0.080 χ^2/NDF : 316823.2/52

dit_usr_4eX_slope vs Slug, Sign Corrected



Right In: 374.094+/-0.000 χ^2/NDF : 35072.0/16

Left Out: 419.670+/-0.198 χ^2/NDF : 43363.9/8

Right Out: 373.134+/-0.158 χ^2/NDF : 108219.4/18

Left In: 415.152+/-0.147 χ^2/NDF : 53956.4/7

Left: 416.766+/-0.118 χ^2/NDF : 97656.5/16

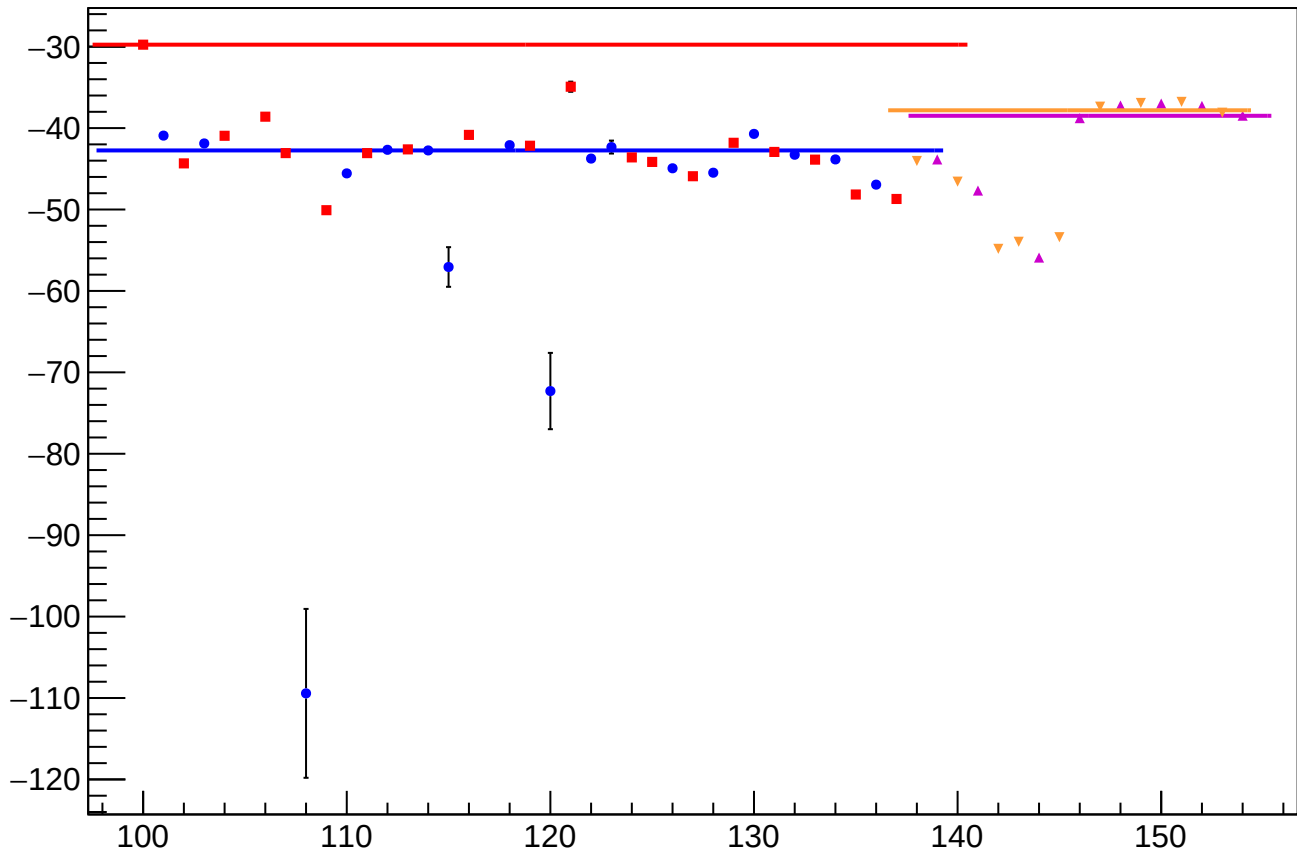
Right: 374.094+/-0.000 χ^2/NDF : 143328.3/35

In: 374.094+/-0.000 χ^2/NDF : 166783.4/24

Out: 391.285+/-0.123 χ^2/NDF : 185441.0/27

All: 374.094+/-0.000 χ^2/NDF : 371646.9/52

dit_usr_11X12X_slope vs Slug, Sign Corrected



Right In: -42.744+/-0.000 χ^2/NDF : 13262.6/16

Left Out: -37.814+/-0.006 χ^2/NDF : 248990.8/8

Right Out: -29.754+/-0.000 χ^2/NDF : 483930.3/18

Left In: -38.489+/-0.007 χ^2/NDF : 137455.6/7

Left: -38.085+/-0.004 χ^2/NDF : 391997.6/16

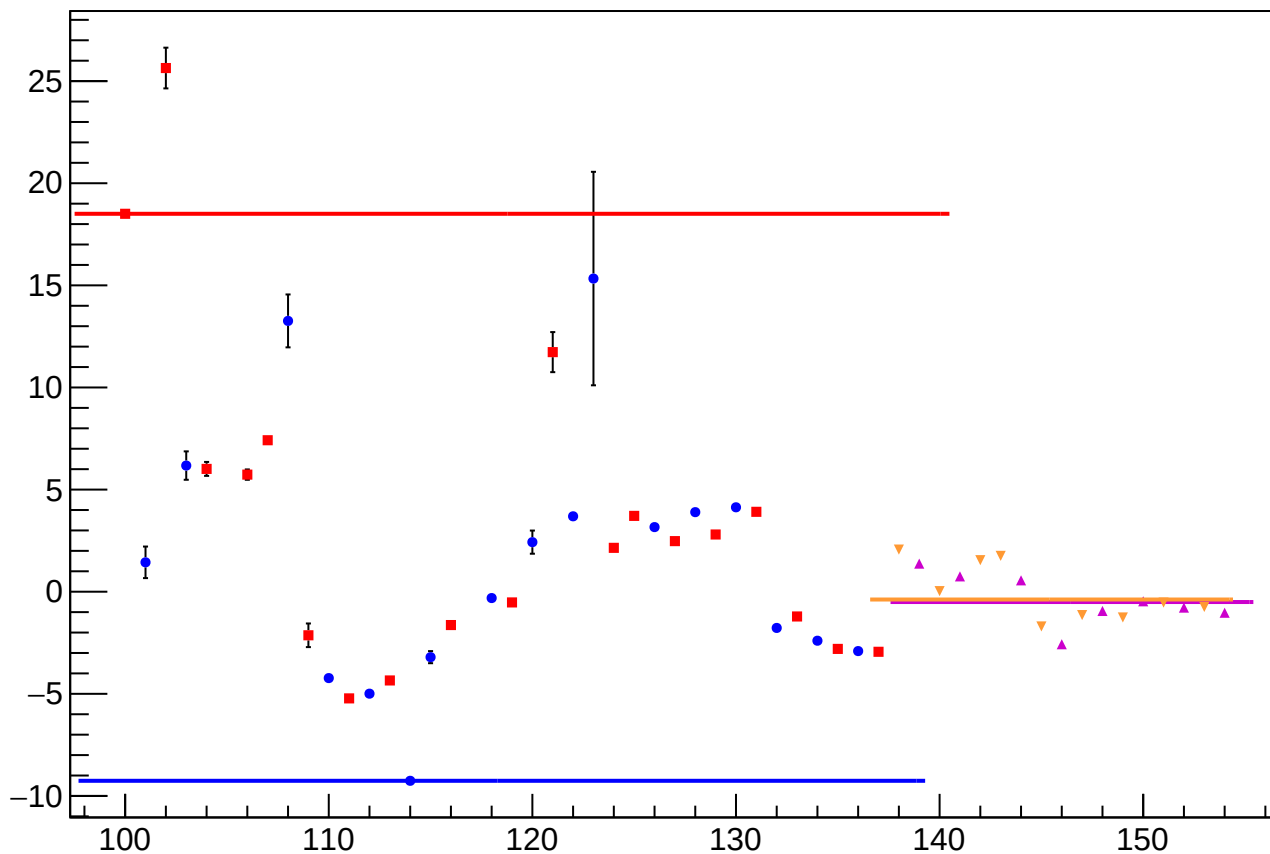
Right: -38.159+/-0.000 χ^2/NDF : 129765212680709

In: -42.744+/-0.000 χ^2/NDF : 519044.5/24

Out: -29.754+/-0.000 χ^2/NDF : 2712628.5/27

All: -38.159+/-0.000 χ^2/NDF : 129765212680

dit_usr_4aY_slope vs Slug, Sign Corrected



Right In: -9.259 ± 0.000 χ^2/NDF : 405850.5/16

Left Out: -0.382 ± 0.010 χ^2/NDF : 11091.1/8

Right Out: 18.504 ± 0.000 χ^2/NDF : 7366781.0/18

Left In: -0.505 ± 0.009 χ^2/NDF : 8436.1/7

Left: -0.448 ± 0.007 χ^2/NDF : 19605.4/16

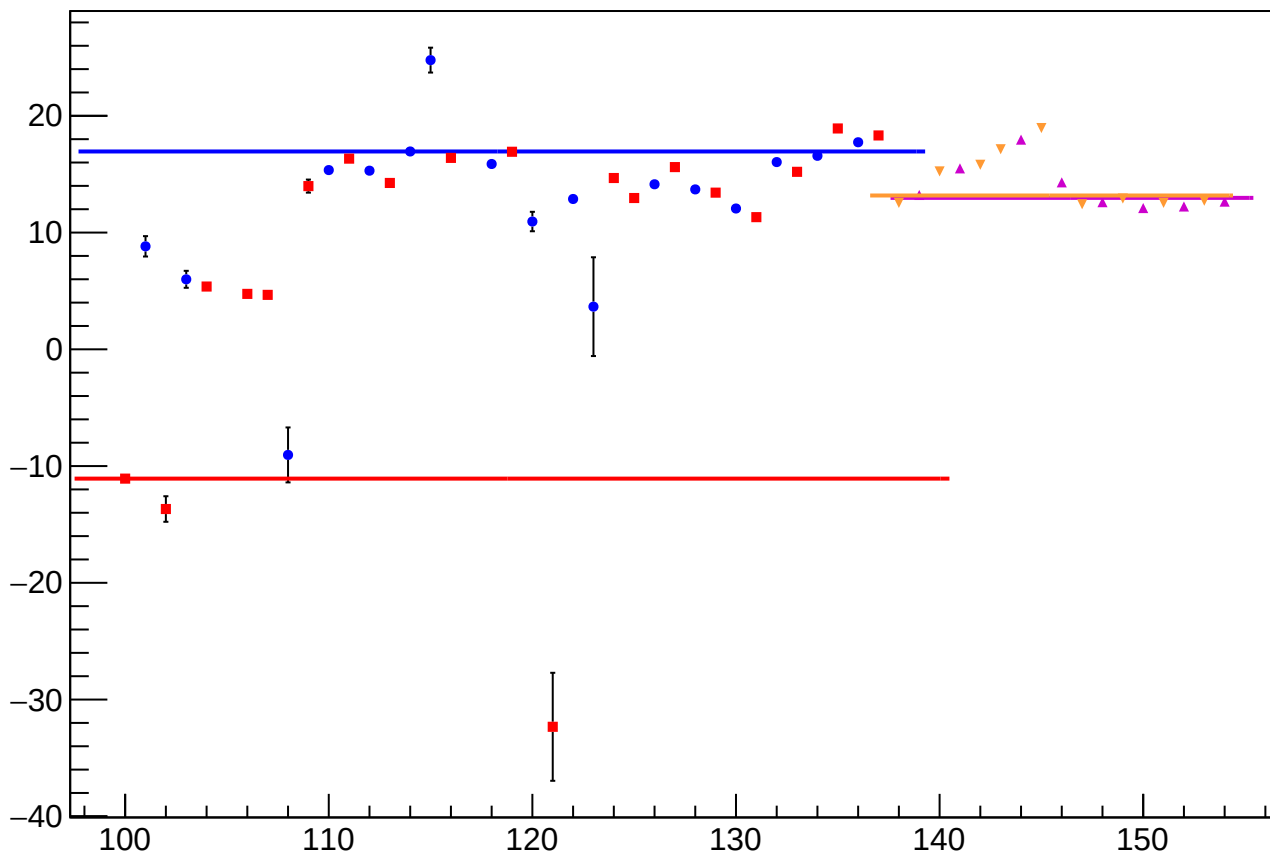
Right: 6.039 ± 0.000 χ^2/NDF : 1645057450595581

In: -9.259 ± 0.000 χ^2/NDF : 1270010.2/24

Out: 18.504 ± 0.000 χ^2/NDF : 10836818.0/27

All: 6.039 ± 0.000 χ^2/NDF : 1645057450595581

dit_usr_4eY_slope vs Slug, Sign Corrected



Right In: 16.947 $\pm$ 0.000 χ^2/NDF : 11231.8/16

Left Out: 13.176 $\pm$ 0.011 χ^2/NDF :13129.0/8

Right Out: -11.075 $\pm$ 0.000 χ^2/NDF : 2712010.0/18

Left In: 12.972 $\pm$ 0.013 χ^2/NDF :9535.2/7

Left: 13.087 $\pm$ 0.008 χ^2/NDF : 22806.1/16

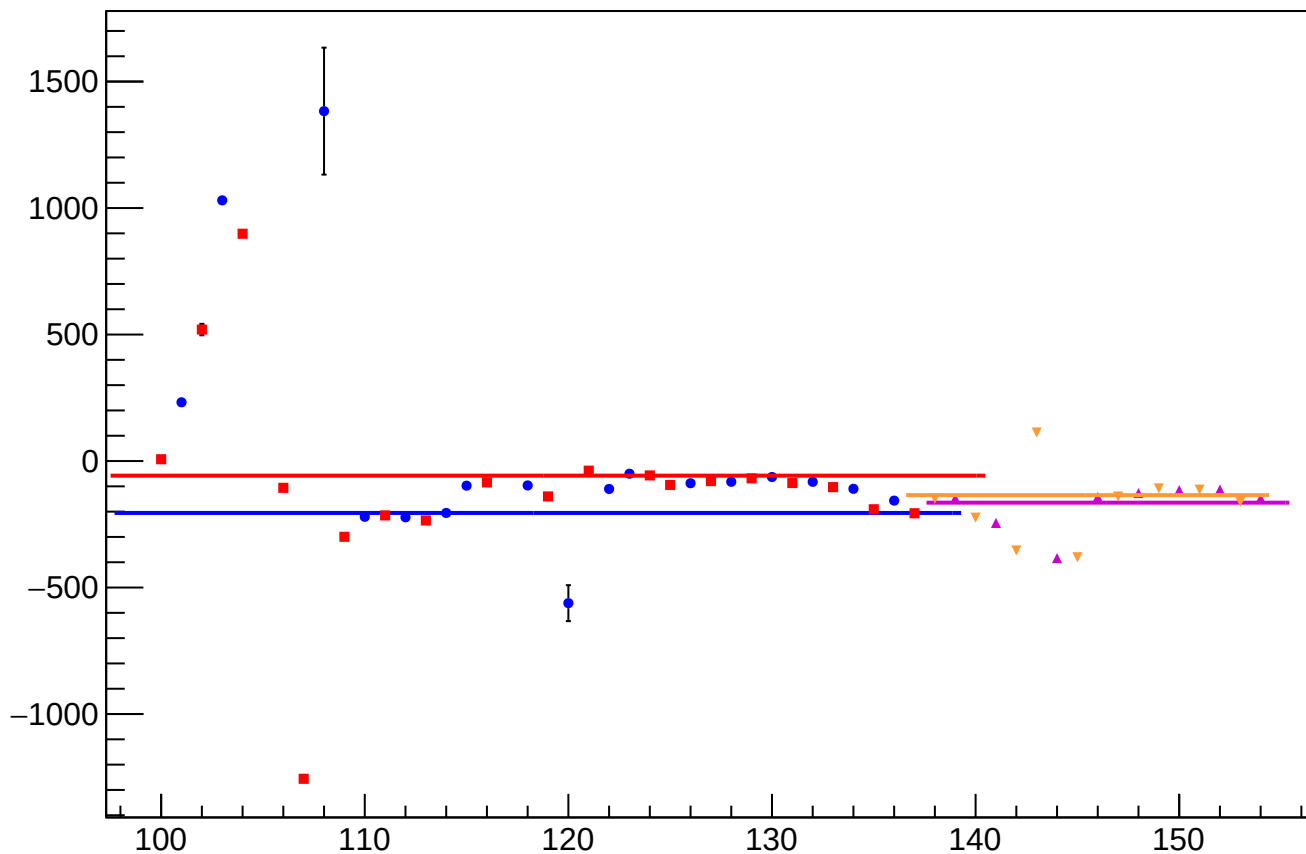
Right: -2.268 $\pm$ 0.000 χ^2/NDF : 4692527454635666

In: 16.947 $\pm$ 0.000 χ^2/NDF :116431.6/24

Out: -11.075 $\pm$ 0.000 χ^2/NDF :7358212.9/27

All: -2.268 $\pm$ 0.000 χ^2/NDF : 4692527454635

dit_atl1_4aX_slope vs Slug, Sign Corrected



Right In: -205.160+/-0.000 χ^2/NDF : 582775.6/16

Left Out: -134.737+/-0.364 χ^2/NDF : 43052.6/8

Right Out: -57.684+/-0.283 χ^2/NDF : 114854.9/18

Left In: -164.512+/-0.390 χ^2/NDF : 37666.8/7

Left: -148.615+/-0.266 χ^2/NDF : 83837.9/16

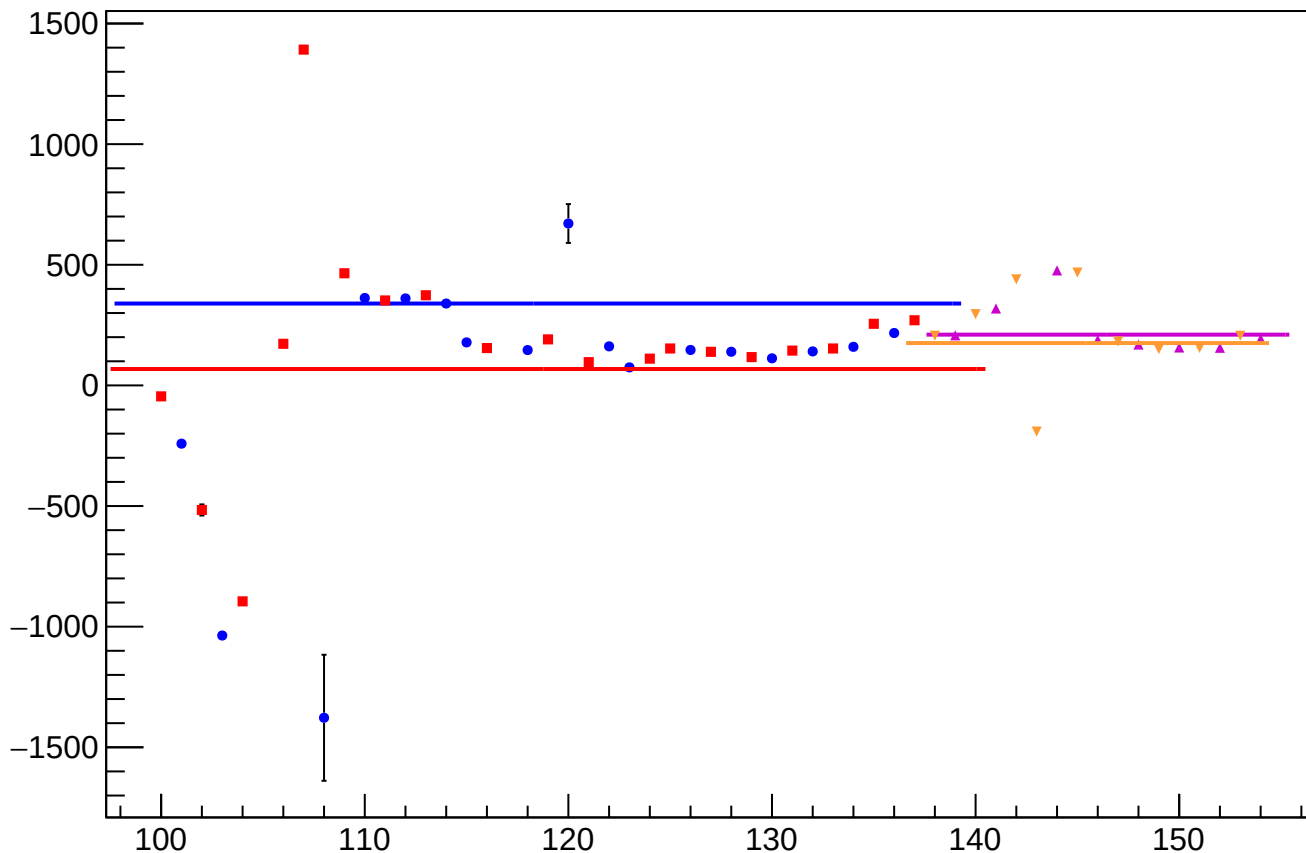
Right: -205.160+/-0.000 χ^2/NDF : 968522.3/35

In: -205.160+/-0.000 χ^2/NDF : 631328.7/24

Out: -86.758+/-0.224 χ^2/NDF : 185810.8/27

All: -205.160+/-0.000 χ^2/NDF : 1097559.0/52

dit_atl1_4eX_slope vs Slug, Sign Corrected



Right In: 339.325+/-0.000 χ^2/NDF : 1030606.3/16

Left Out: 175.525+/-0.369 χ^2/NDF : 78790.1/8

Right Out: 68.024+/-0.286 χ^2/NDF : 272330.9/18

Left In: 210.383+/-0.396 χ^2/NDF : 44163.9/7

Left: 191.699+/-0.270 χ^2/NDF : 127099.2/16

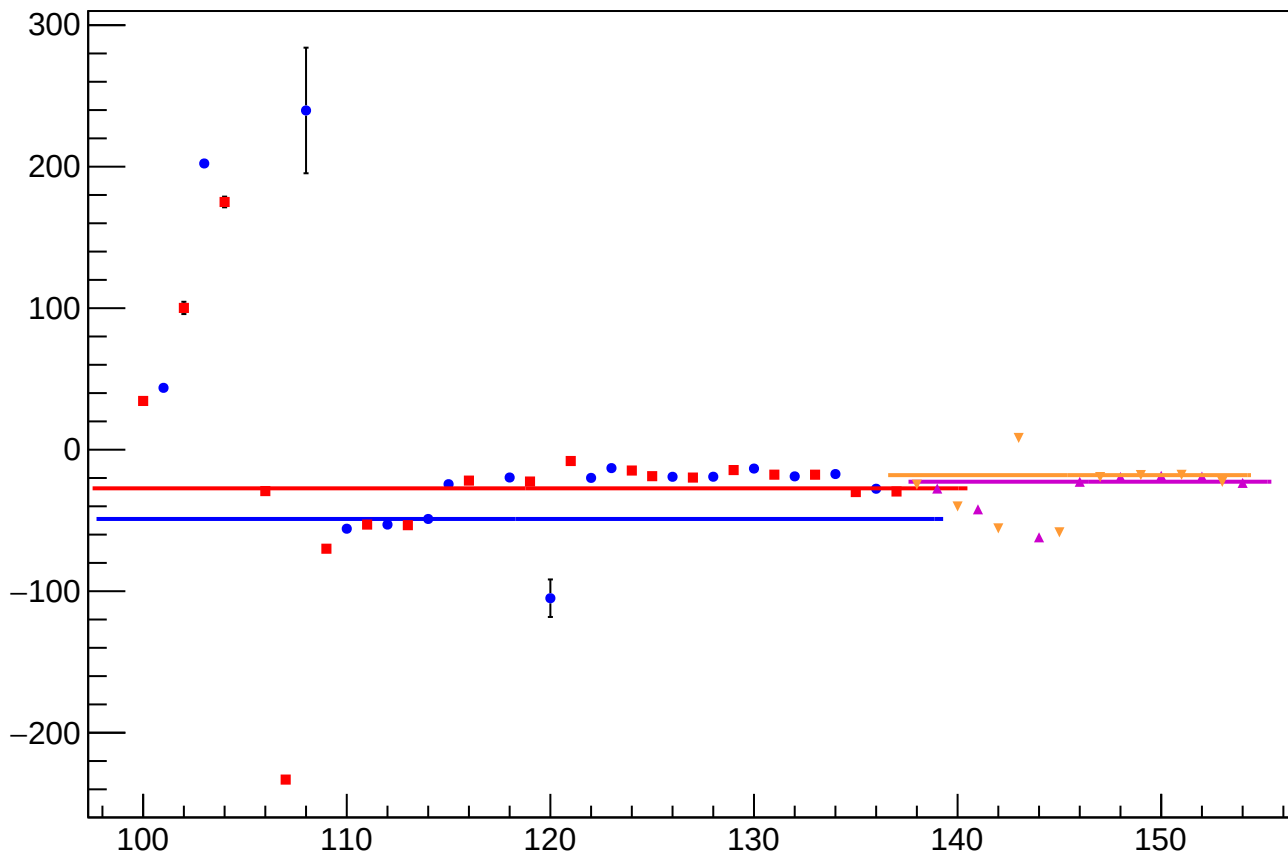
Right: 339.325+/-0.000 χ^2/NDF : 2202286.8/35

In: 339.325+/-0.000 χ^2/NDF : 1180582.1/24

Out: 108.409+/-0.226 χ^2/NDF : 404168.7/27

All: 339.325+/-0.000 χ^2/NDF : 2628320.0/52

dit_atl1_11X12X_slope vs Slug, Sign Corrected



Right In: -48.945 $\pm$ 0.000 χ^2 /NDF: 5408370.4/16

Left Out: -17.976 $\pm$ 0.016 χ^2 /NDF: 542951.9/8

Right Out: -27.303 $\pm$ 0.052 χ^2 /NDF: 167879.9/18

Left In: -22.621 $\pm$ 0.023 χ^2 /NDF: 118875.4/7

Left: -19.554 $\pm$ 0.013 χ^2 /NDF: 689244.8/16

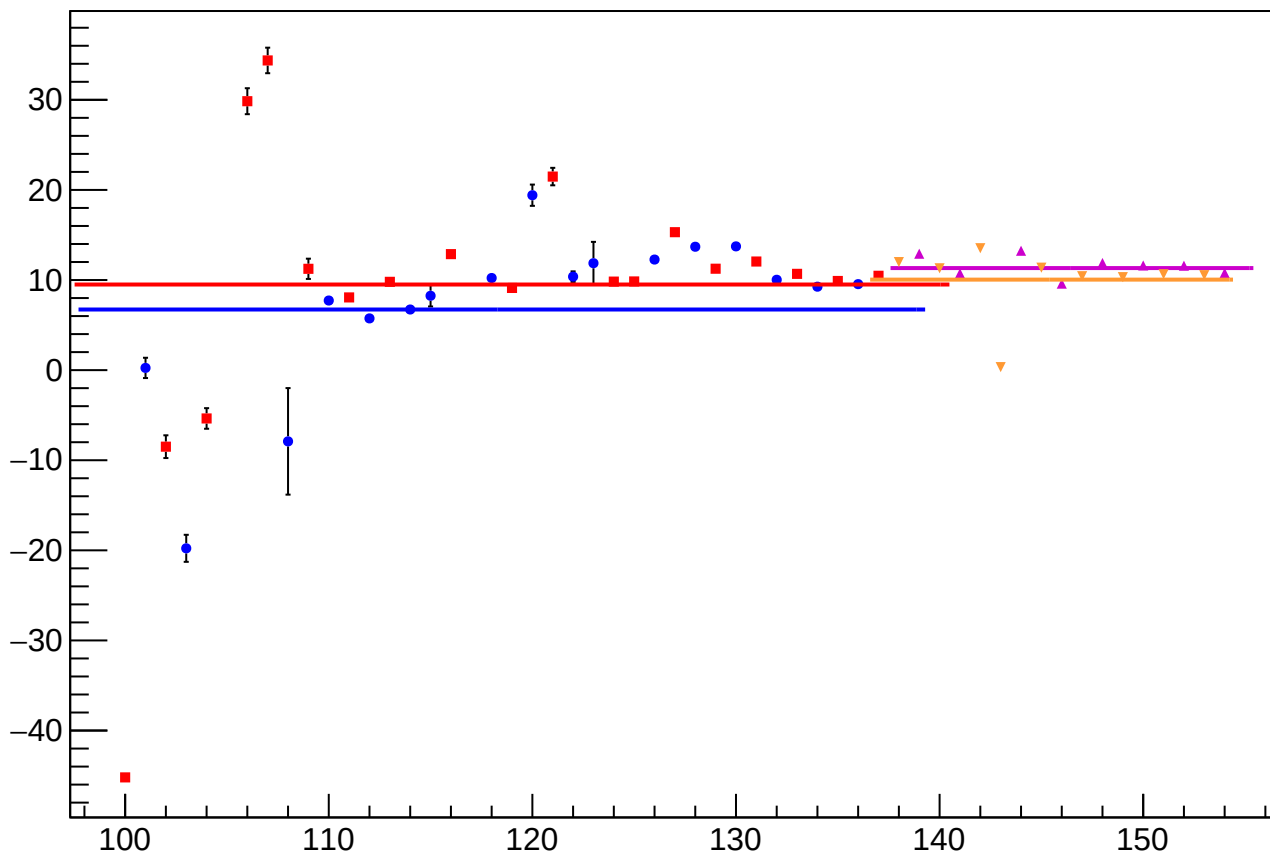
Right: -48.945 $\pm$ 0.000 χ^2 /NDF: 5751523.0/35

In: -48.945 $\pm$ 0.000 χ^2 /NDF: 6860561.9/24

Out: -18.824 $\pm$ 0.016 χ^2 /NDF: 740426.6/27

All: -48.945 $\pm$ 0.000 χ^2 /NDF: 11333754.5/52

dit_atl1_4aY_slope vs Slug, Sign Corrected



Right In: 6.728 $\pm$ 0.000 χ^2/NDF : 13749.2/16

Left Out: 10.045 $\pm$ 0.023 χ^2/NDF : 20782.0/8

Right Out: 9.502 $\pm$ 0.036 χ^2/NDF : 26822.1/18

Left In: 11.327 $\pm$ 0.019 χ^2/NDF : 2405.1/7

Left: 10.814 $\pm$ 0.015 χ^2/NDF : 25004.2/16

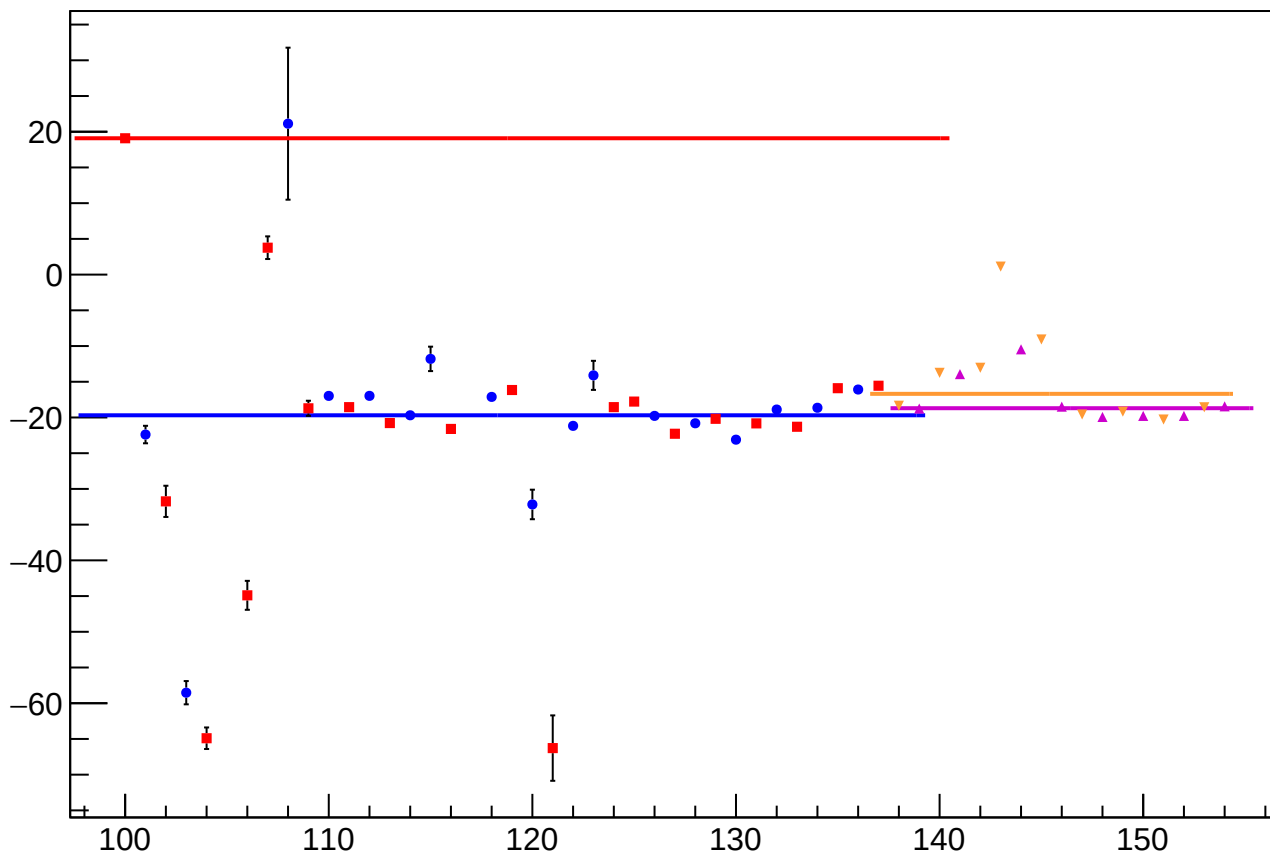
Right: 6.728 $\pm$ 0.000 χ^2/NDF : 46635.2/35

In: 6.728 $\pm$ 0.000 χ^2/NDF : 74543.3/24

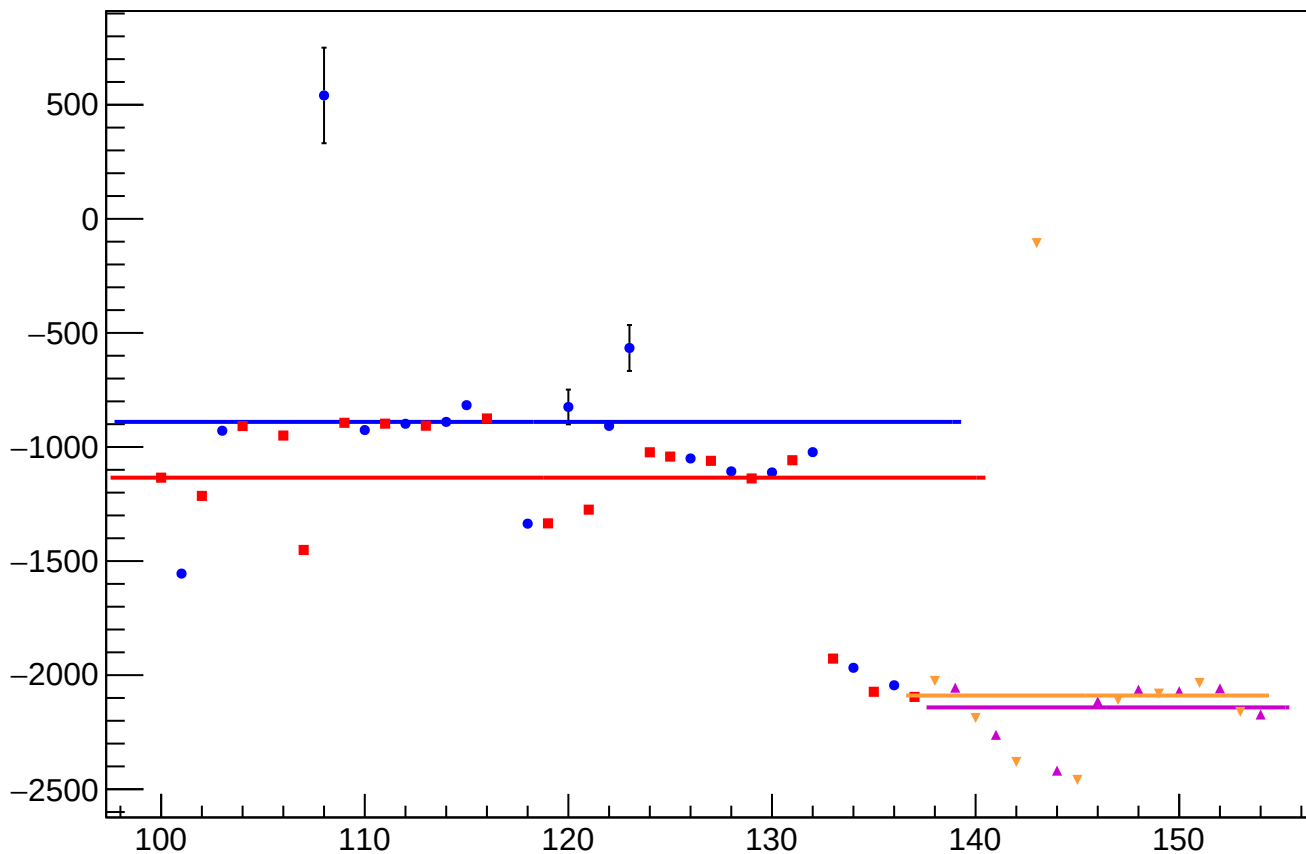
Out: 9.883 $\pm$ 0.019 χ^2/NDF : 47767.2/27

All: 6.728 $\pm$ 0.000 χ^2/NDF : 148501.5/52

dit_atl1_4eY_slope vs Slug, Sign Corrected



dit_atl2_4aX_slope vs Slug, Sign Corrected



Right In: -889.928 ± 0.000 $\chi^2/\text{NDF}: 775896.0/16$

Left Out: -2089.308 ± 0.585 $\chi^2/\text{NDF}: 262863.9/8$

Right Out: -1134.421 ± 0.000 $\chi^2/\text{NDF}: 733812.0/18$

Left In: -2141.374 ± 0.635 $\chi^2/\text{NDF}: 31457.1/7$

Left: -2113.189 ± 0.430 $\chi^2/\text{NDF}: 297958.4/16$

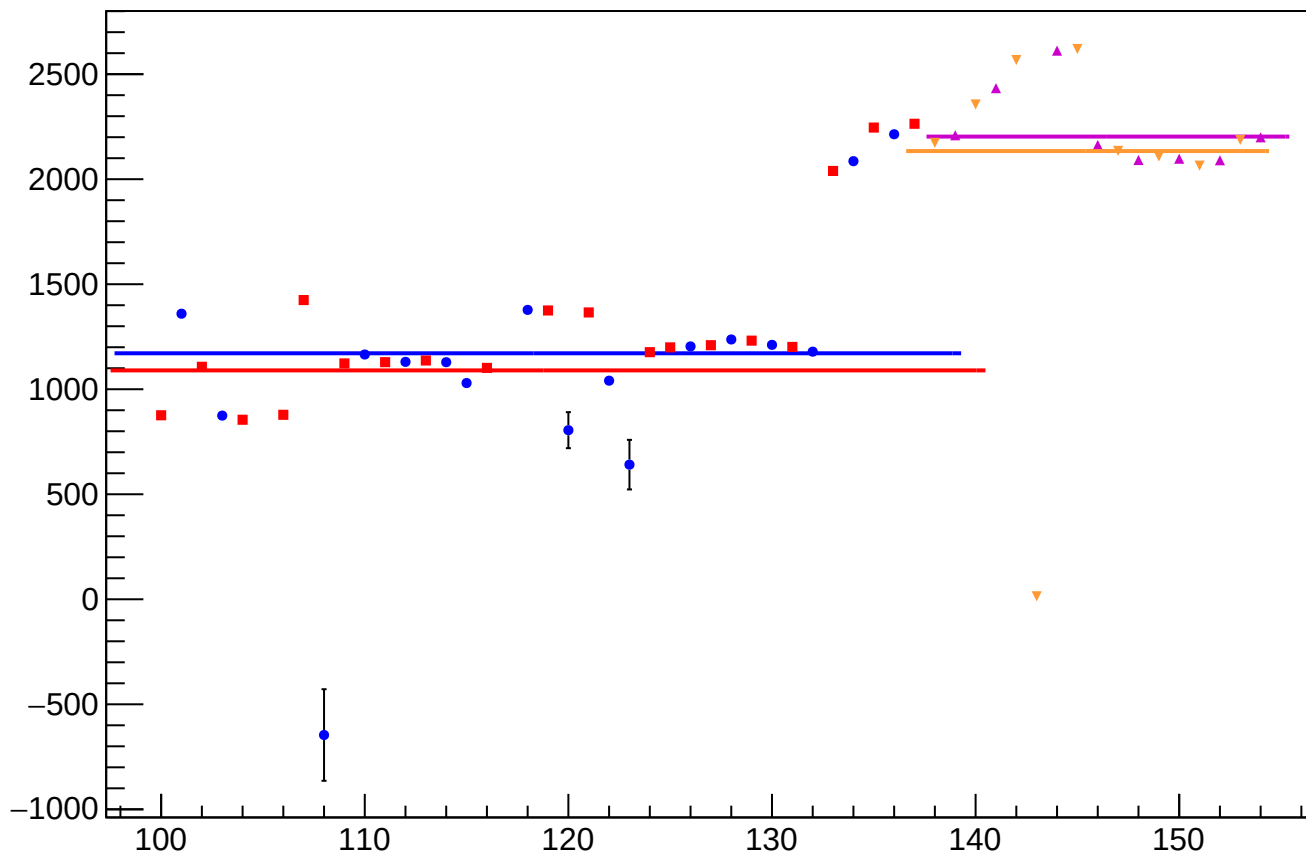
Right: -976.220 ± 0.000 $\chi^2/\text{NDF}: 44889787387498$

In: -889.928 ± 0.000 $\chi^2/\text{NDF}: 4689257.9/24$

Out: -1134.421 ± 0.000 $\chi^2/\text{NDF}: 3664078.4/27$

All: -976.220 ± 0.000 $\chi^2/\text{NDF}: 44889787387$

dit_atl2_4eX_slope vs Slug, Sign Corrected



Right In: 1171.188 $\pm$ 0.245 χ^2 /NDF: 508989.2/16

Left Out: 2134.034 $\pm$ 0.579 χ^2 /NDF:301460.8/8

Right Out: 1089.705 $\pm$ 0.253 χ^2 /NDF: 1100321.6/18

Left In: 2202.903 $\pm$ 0.650 χ^2 /NDF:54494.7/7

Left: 2164.473 $\pm$ 0.432 χ^2 /NDF: 362217.8/16

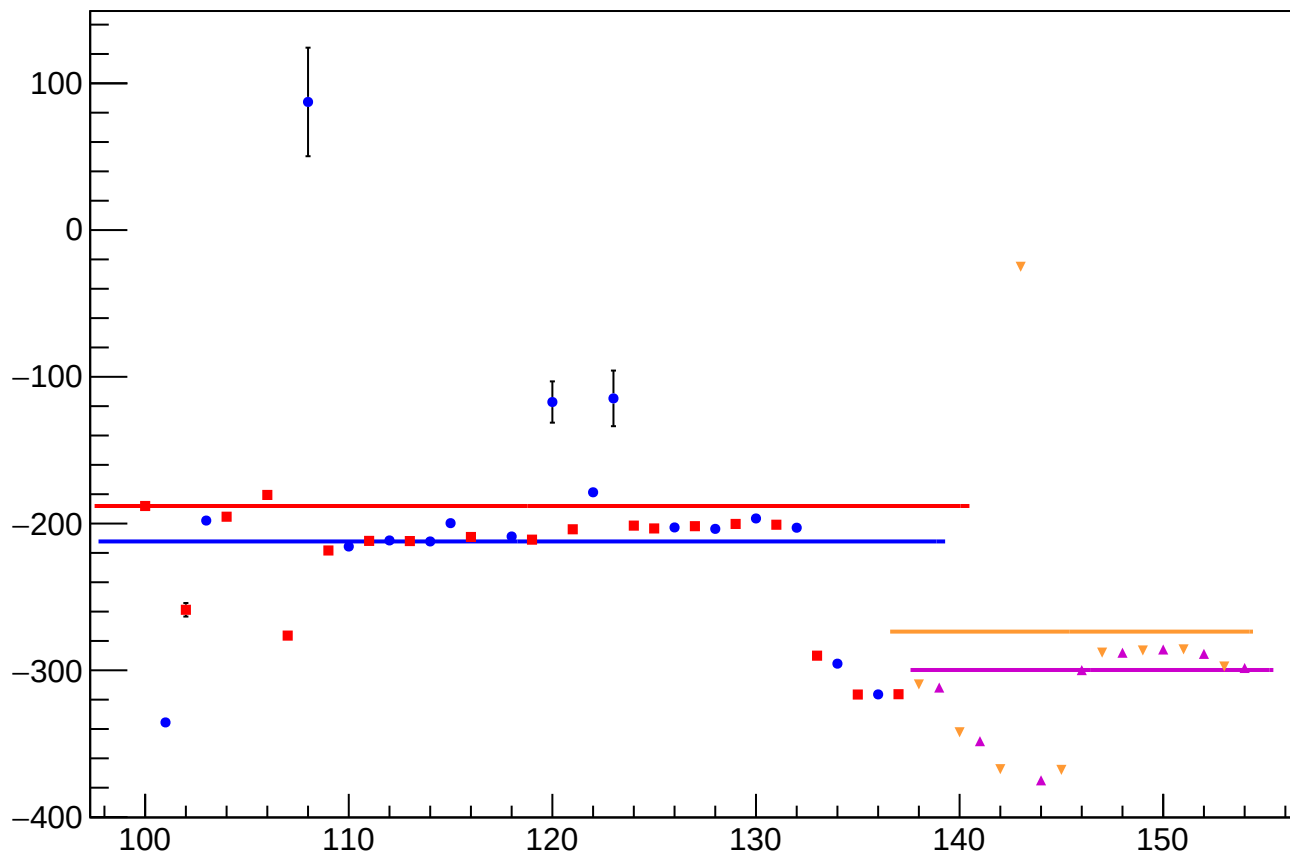
Right: 1131.764 $\pm$ 0.176 χ^2 /NDF: 1662665.0/35

In: 1299.838 $\pm$ 0.230 χ^2 /NDF:2768007.6/24

Out: 1257.838 $\pm$ 0.232 χ^2 /NDF:4135313.0/27

All: 1279.073 $\pm$ 0.163 χ^2 /NDF: 6919869.4/52

dit_atl2_11X12X_slope vs Slug, Sign Corrected



Right In: -212.190+/-0.000 χ^2/NDF : 1149195.1/16

Left Out: -273.634+/-0.032 χ^2/NDF : 5621876.1/8

Right Out: -188.033+/-0.000 χ^2/NDF : 602264.3/18

Left In: -299.789+/-0.038 χ^2/NDF : 270505.8/7

Left: -284.563+/-0.025 χ^2/NDF : 6164783.8/16

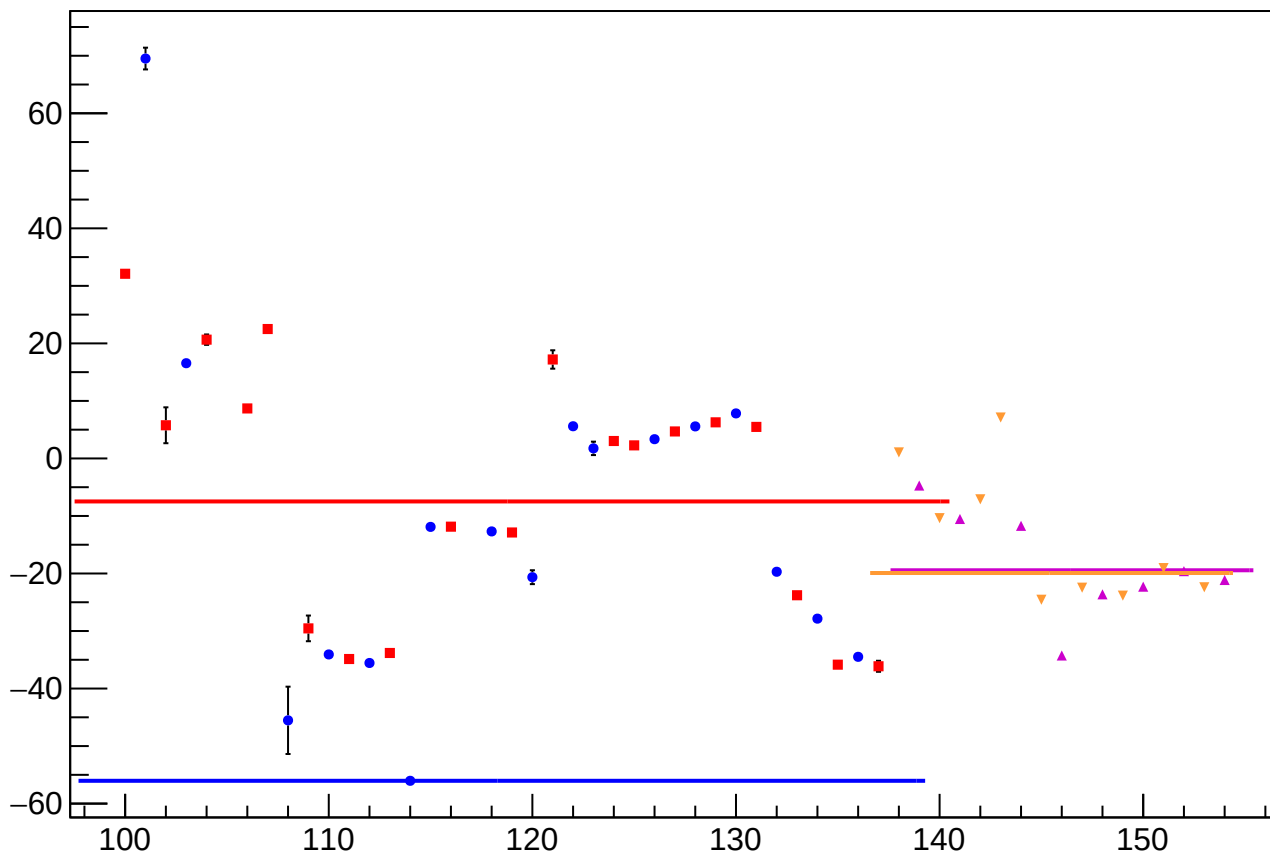
Right: -195.625+/-0.000 χ^2/NDF : 13622303625661

In: -212.190+/-0.000 χ^2/NDF : 6668899.2/24

Out: -188.033+/-0.000 χ^2/NDF : 13207170.2/27

All: -195.625+/-0.000 χ^2/NDF : 13622303625

dit_atl2_4aY_slope vs Slug, Sign Corrected



Right In: -56.037 ± 0.000 $\chi^2/\text{NDF}: 1585420.7/16$

Left Out: -19.915 ± 0.035 $\chi^2/\text{NDF}: 43884.5/8$

Right Out: -7.476 ± 0.042 $\chi^2/\text{NDF}: 173893.8/18$

Left In: -19.441 ± 0.035 $\chi^2/\text{NDF}: 25494.3/7$

Left: -19.680 ± 0.025 $\chi^2/\text{NDF}: 69471.7/16$

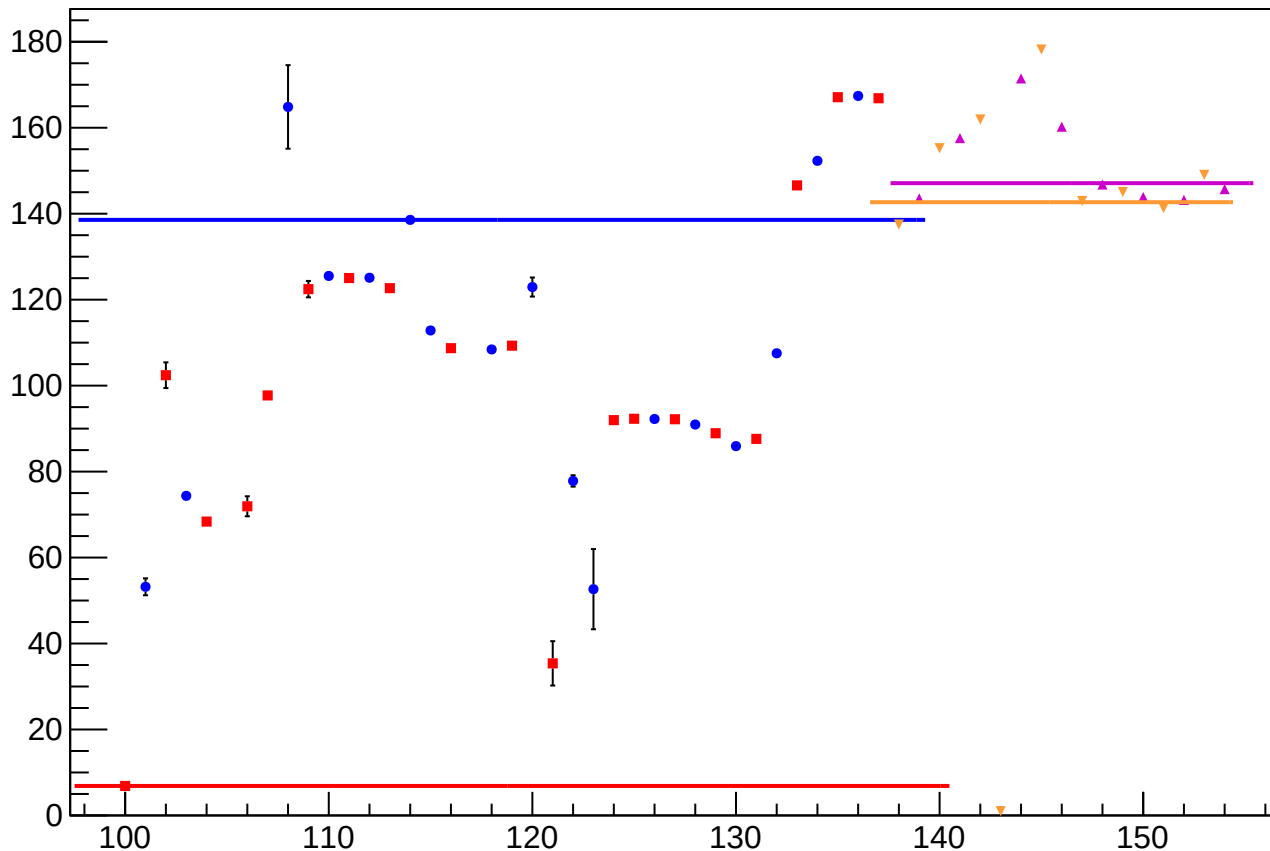
Right: -56.037 ± 0.000 $\chi^2/\text{NDF}: 3084882.3/35$

In: -56.037 ± 0.000 $\chi^2/\text{NDF}: 2707919.4/24$

Out: -14.905 ± 0.027 $\chi^2/\text{NDF}: 269721.9/27$

All: -56.037 ± 0.000 $\chi^2/\text{NDF}: 5338957.8/52$

dit_atl2_4eY_slope vs Slug, Sign Corrected



Right In: 138.565 $\pm$ 0.000 χ^2 /NDF: 901159.7/16

Left Out: 142.678 $\pm$ 0.040 χ^2 /NDF:307962.5/8

Right Out: 6.866 $\pm$ 0.000 χ^2 /NDF: 8047391.7/18

Left In: 147.107 $\pm$ 0.043 χ^2 /NDF:18170.2/7

Left: 144.732 $\pm$ 0.030 χ^2 /NDF: 331709.6/16

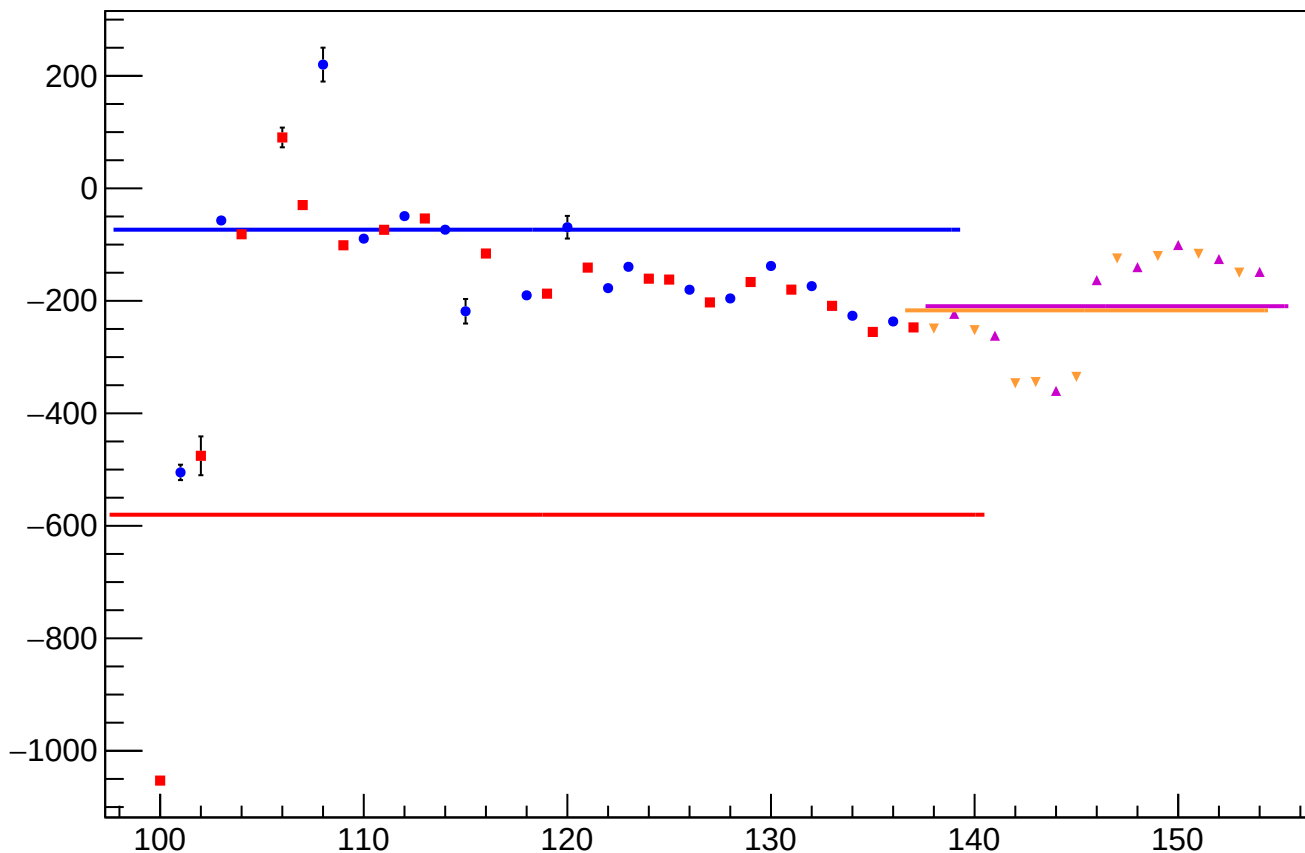
Right: 7.101 $\pm$ 0.000 χ^2 /NDF: 23576822681928678

In: 138.565 $\pm$ 0.000 χ^2 /NDF:958009.8/24

Out: 6.866 $\pm$ 0.000 χ^2 /NDF:19667975.3/27

All: 7.101 $\pm$ 0.000 χ^2 /NDF: 23576822681928

dit_atr1_4aX_slope vs Slug, Sign Corrected



Right In: -73.485 ± 0.000 $\chi^2/\text{NDF}: 98703.2/16$

Left Out: -216.926 ± 0.376 $\chi^2/\text{NDF}: 49898.4/8$

Right Out: -580.262 ± 0.261 $\chi^2/\text{NDF}: 3031609.5/18$

Left In: -209.510 ± 0.401 $\chi^2/\text{NDF}: 46662.6/7$

Left: -213.453 ± 0.274 $\chi^2/\text{NDF}: 96743.1/16$

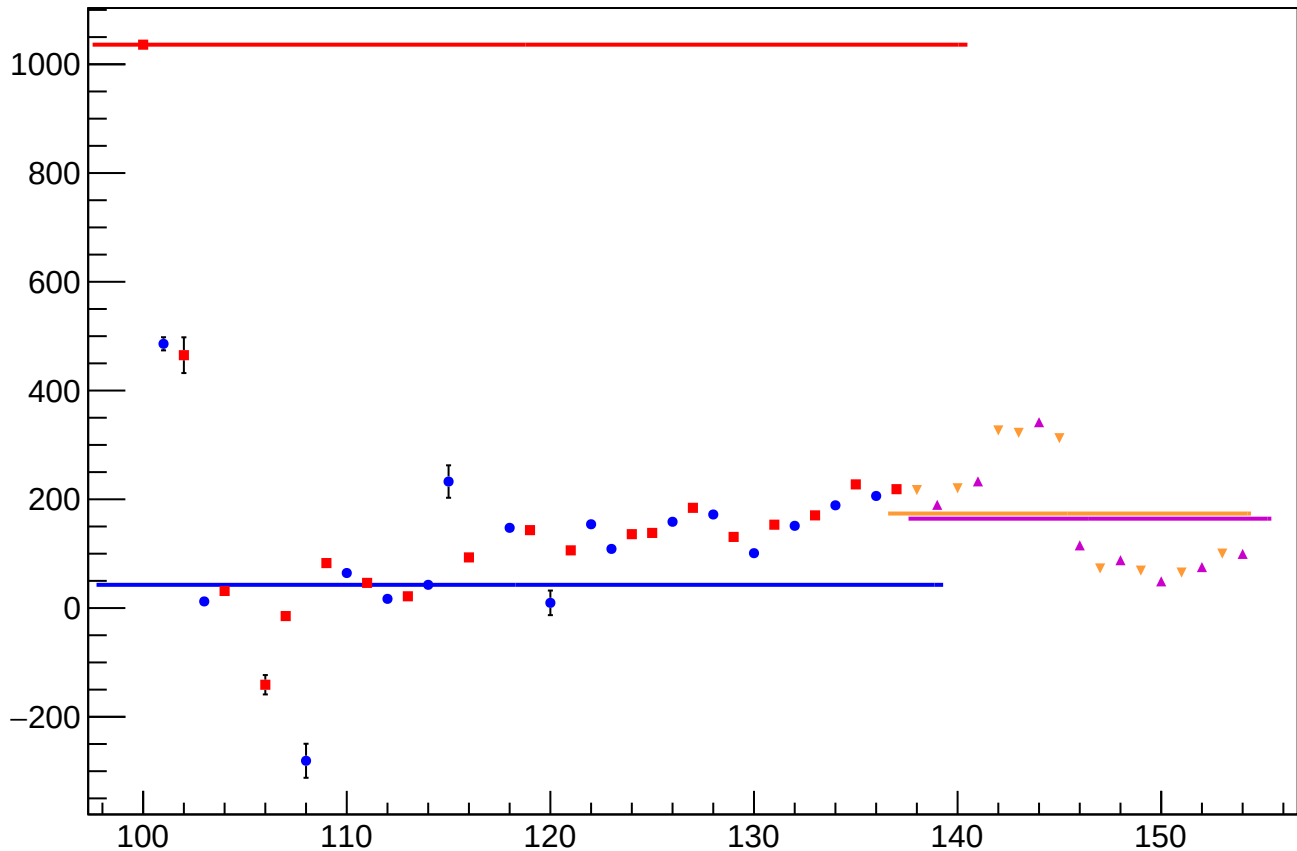
Right: -73.485 ± 0.000 $\chi^2/\text{NDF}: 6902096.9/35$

In: -73.485 ± 0.000 $\chi^2/\text{NDF}: 260625.0/24$

Out: -462.166 ± 0.214 $\chi^2/\text{NDF}: 3711676.0/27$

All: -73.485 ± 0.000 $\chi^2/\text{NDF}: 7259429.8/52$

dit_atr1_4eX_slope vs Slug, Sign Corrected



Right In: 42.743+/-0.000 χ^2/NDF : 84599.8/16

Left Out: 173.841+/-0.384 χ^2/NDF : 62084.5/8

Right Out: 1036.068+/-0.000 χ^2/NDF : 4933722.5/18

Left In: 164.391+/-0.411 χ^2/NDF : 55097.3/7

Left: 169.441+/-0.281 χ^2/NDF : 117463.9/16

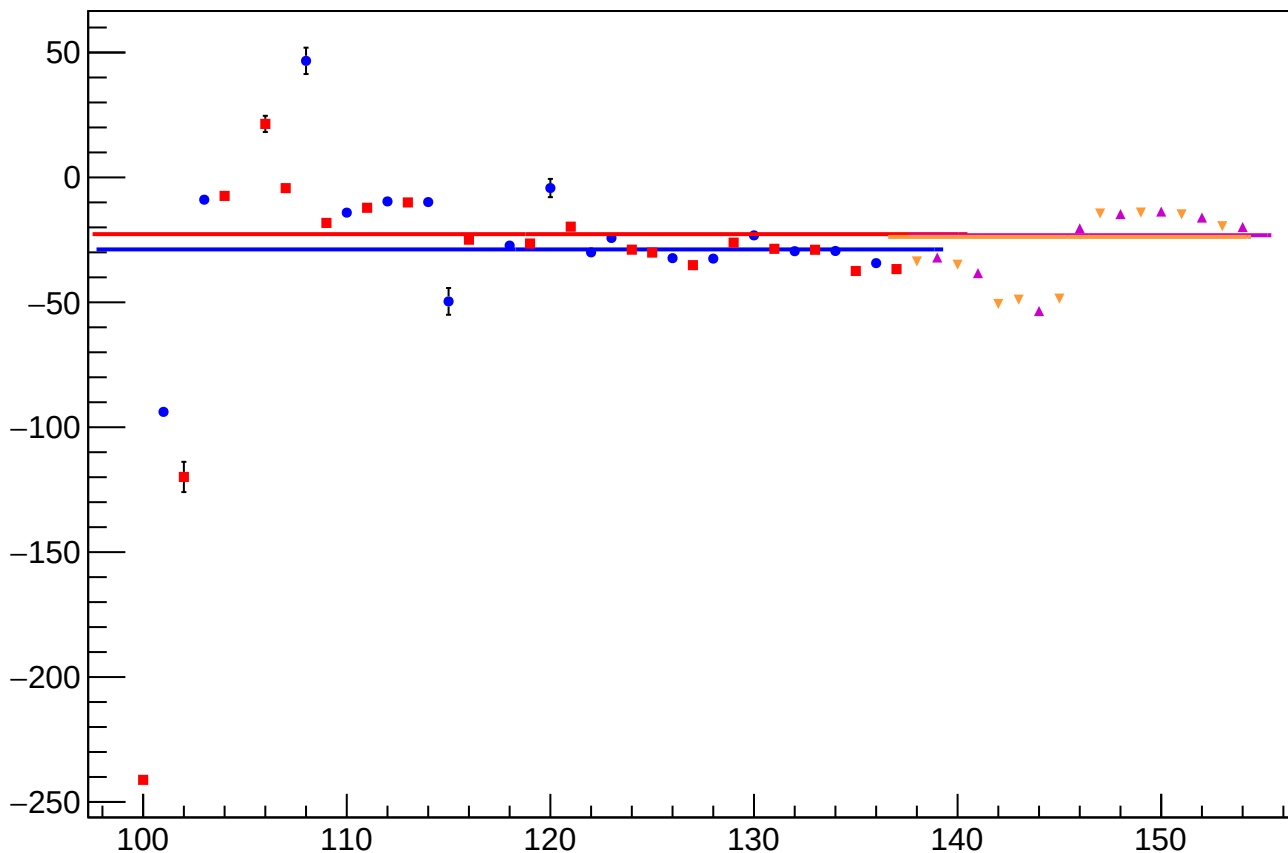
Right: 43.272+/-0.000 χ^2/NDF : 1144517497266833

In: 42.743+/-0.000 χ^2/NDF : 227141.0/24

Out: 1036.068+/-0.000 χ^2/NDF : 10038609.7/27

All: 43.272+/-0.000 χ^2/NDF : 1144517497266

dit_atr1_11X12X_slope vs Slug, Sign Corrected



Right In: -28.822 ± 0.035 $\chi^2/\text{NDF}: 49503.4/16$

Left Out: -23.813 ± 0.020 $\chi^2/\text{NDF}: 296309.6/8$

Right Out: -22.707 ± 0.038 $\chi^2/\text{NDF}: 410174.9/18$

Left In: -23.137 ± 0.025 $\chi^2/\text{NDF}: 162396.9/7$

Left: -23.548 ± 0.016 $\chi^2/\text{NDF}: 459153.2/16$

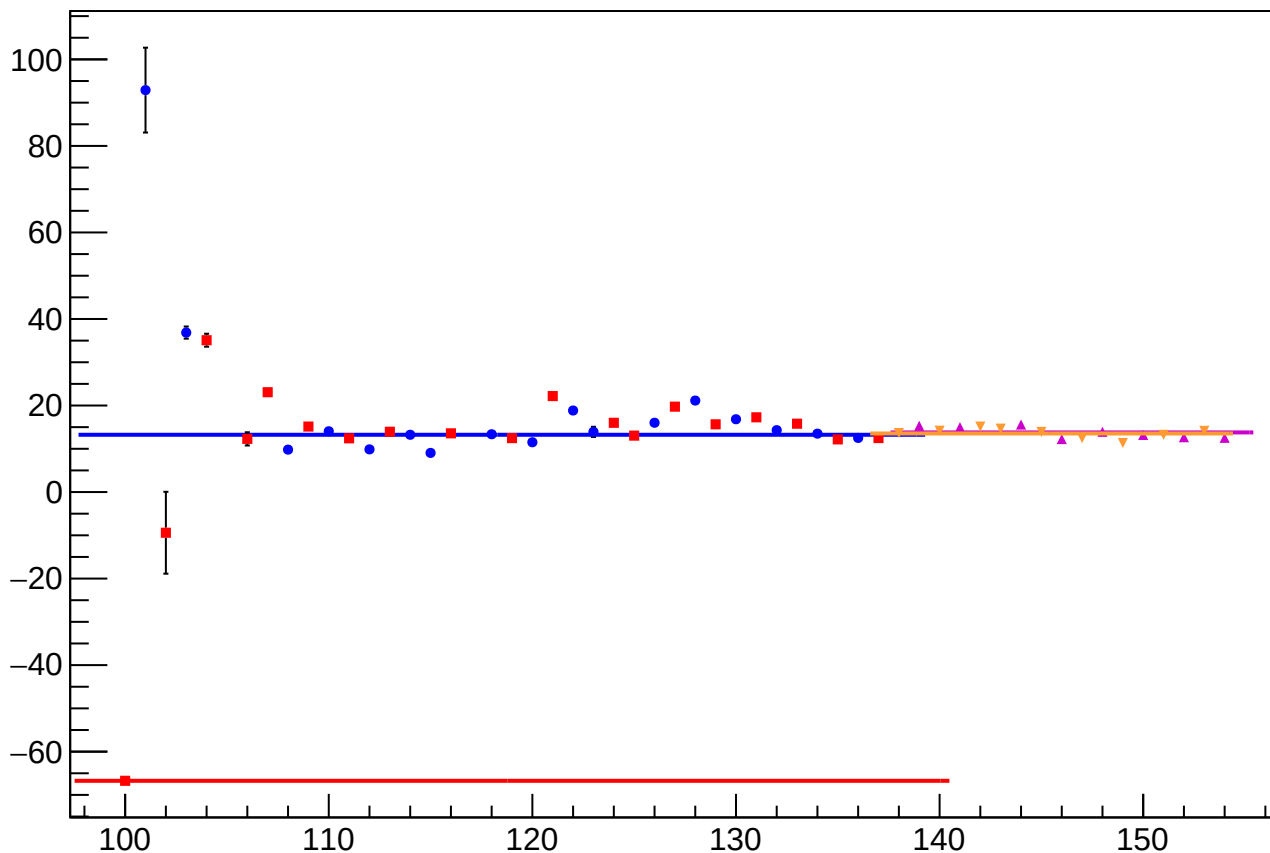
Right: -26.045 ± 0.026 $\chi^2/\text{NDF}: 473753.1/35$

In: -25.070 ± 0.020 $\chi^2/\text{NDF}: 229574.9/24$

Out: -23.573 ± 0.018 $\chi^2/\text{NDF}: 707145.5/27$

All: -24.223 ± 0.013 $\chi^2/\text{NDF}: 939813.0/52$

dit_atr1_4aY_slope vs Slug, Sign Corrected



Right In: 13.238+/-0.000 χ^2 /NDF: 5756.1/16

Left Out: 13.536+/-0.021 χ^2 /NDF: 2530.8/8

Right Out: -66.739+/-0.000 χ^2 /NDF: 3023648.4/18

Left In: 13.782+/-0.022 χ^2 /NDF: 3087.1/7

Left: 13.655+/-0.015 χ^2 /NDF: 5681.9/16

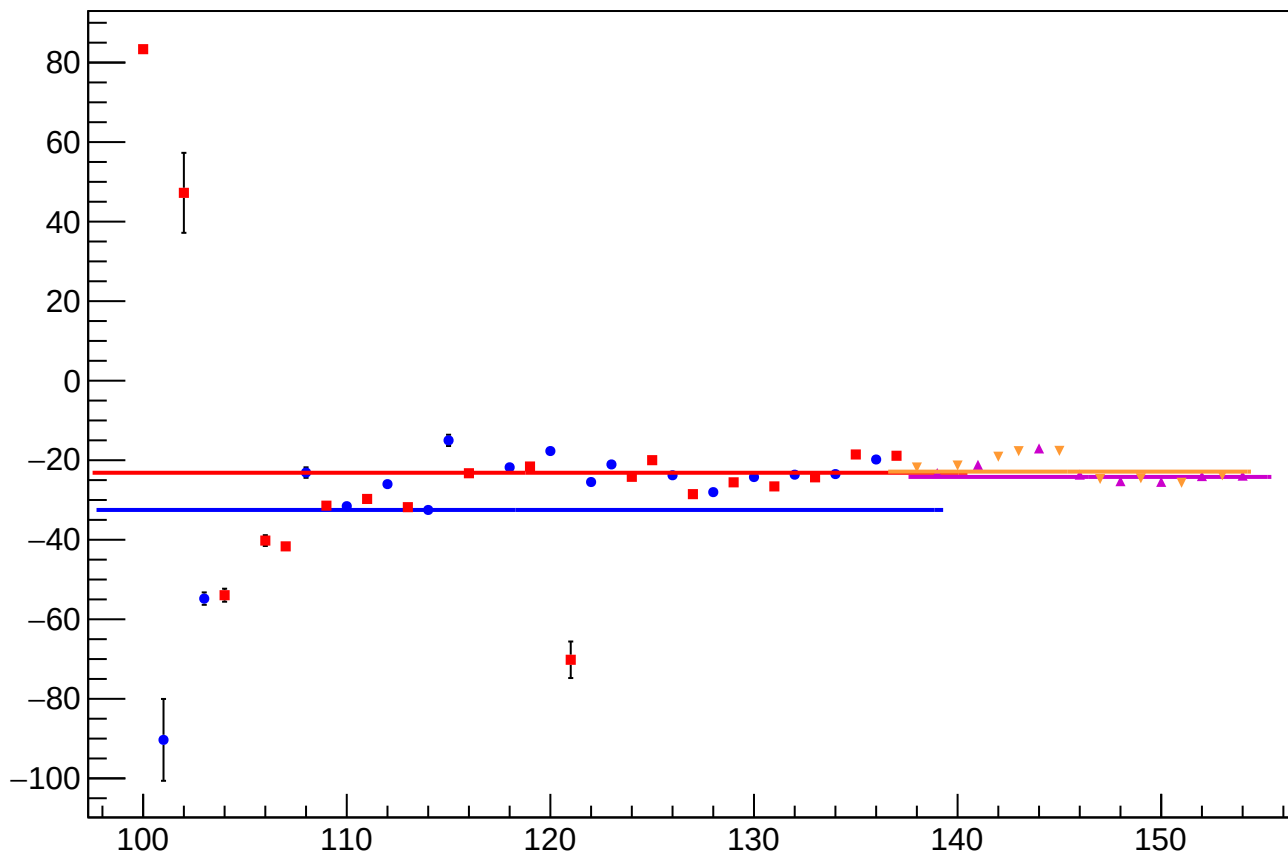
Right: 12.562+/-0.000 χ^2 /NDF: 1884310027651005

In: 13.238+/-0.000 χ^2 /NDF: 9451.5/24

Out: -66.739+/-0.000 χ^2 /NDF: 17186821.1/27

All: 12.562+/-0.000 χ^2 /NDF: 1884310027651

dit_atr1_4eY_slope vs Slug, Sign Corrected



Right In: -32.504 ± 0.000 χ^2/NDF : 74187.4/16

Left Out: -22.867 ± 0.026 χ^2/NDF : 11016.7/8

Right Out: -23.151 ± 0.048 χ^2/NDF : 90749.4/18

Left In: -24.200 ± 0.025 χ^2/NDF : 5292.9/7

Left: -23.559 ± 0.018 χ^2/NDF : 17687.3/16

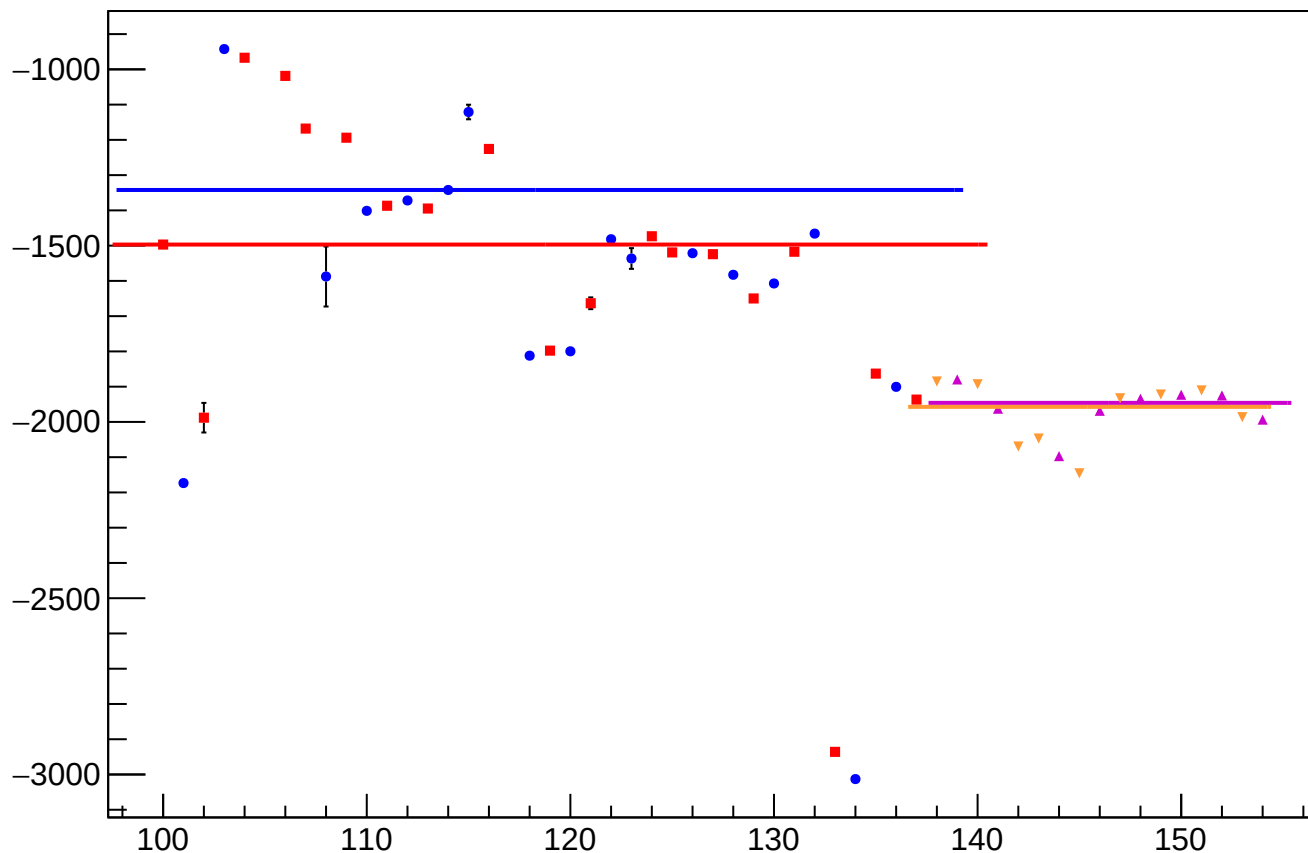
Right: -32.504 ± 0.000 χ^2/NDF : 203519.3/35

In: -32.504 ± 0.000 χ^2/NDF : 190827.8/24

Out: -22.932 ± 0.023 χ^2/NDF : 101793.5/27

All: -32.504 ± 0.000 χ^2/NDF : 469906.1/52

dit_atr2_4aX_slope vs Slug, Sign Corrected



Right In: -1342.107+/-0.000 χ^2/NDF : 370901.4/16

Left Out: -1957.258+/-0.566 χ^2/NDF :14064.1/8

Right Out: -1496.932+/-0.000 χ^2/NDF : 504712.5/18

Left In: -1945.977+/-0.410 χ^2/NDF :15626.2/7

Left: -1949.861+/-0.332 χ^2/NDF : 29951.2/16

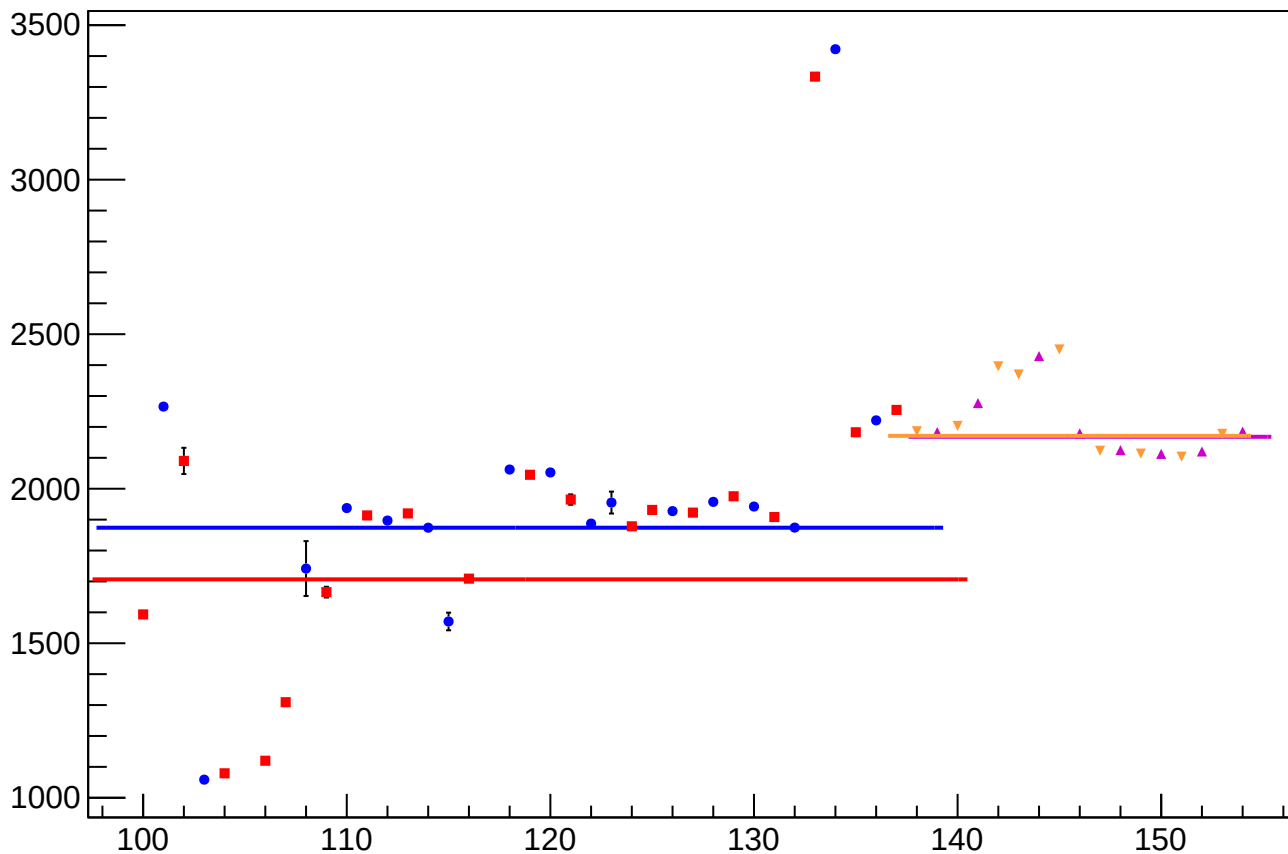
Right: -1396.751+/-0.000 χ^2/NDF : 1800086126763

In: -1342.107+/-0.000 χ^2/NDF :2558223.0/24

Out: -1496.932+/-0.000 χ^2/NDF :1181310.5/27

All: -1396.751+/-0.000 χ^2/NDF : 1800086126

dit_atr2_4eX_slope vs Slug, Sign Corrected



Right In: 1873.852 ± 0.000 χ^2/NDF : 201563.9/16

Left Out: 2171.097 ± 0.571 χ^2/NDF : 27008.3/8

Right Out: 1706.739 ± 0.302 χ^2/NDF : 837936.9/18

Left In: 2168.059 ± 0.411 χ^2/NDF : 35537.0/7

Left: 2169.095 ± 0.334 χ^2/NDF : 62563.9/16

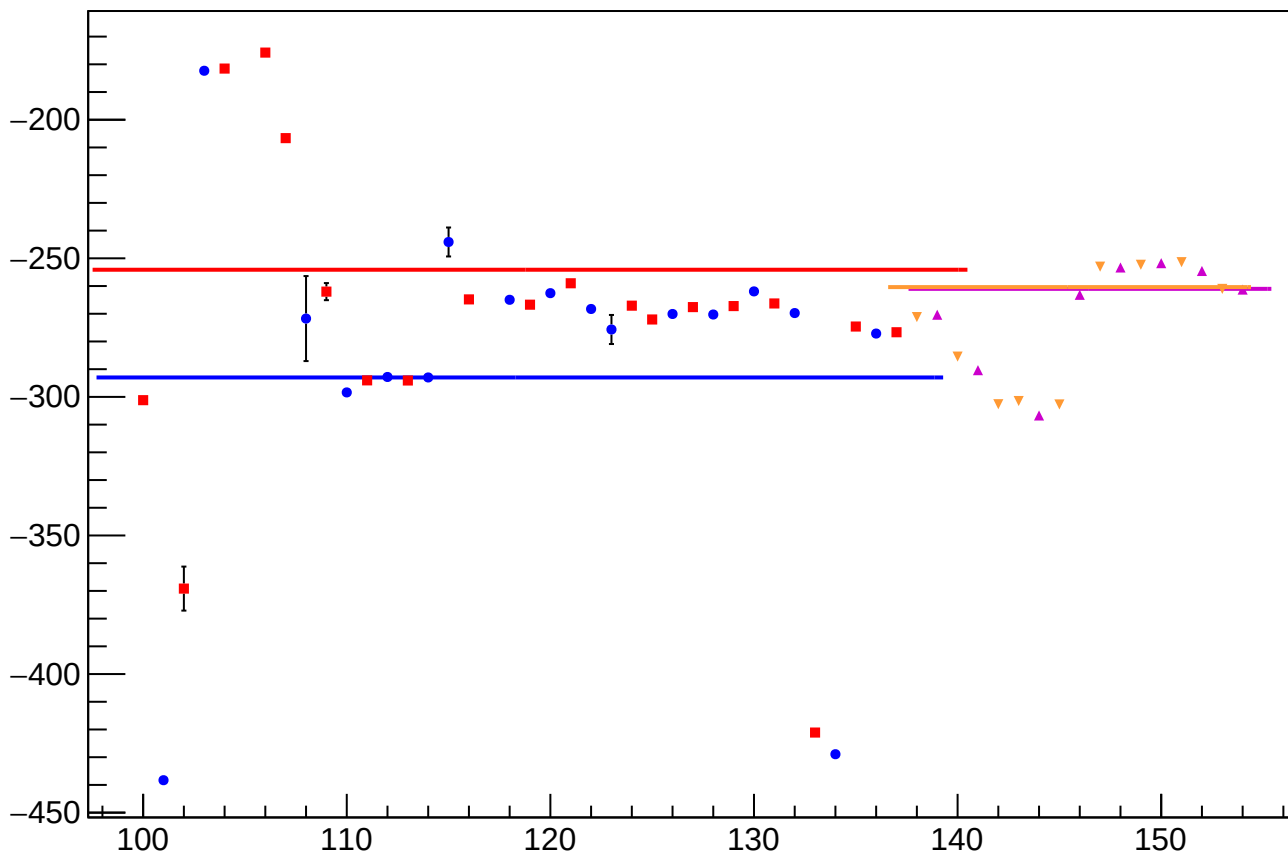
Right: 1873.852 ± 0.000 χ^2/NDF : 1344906.8/35

In: 1873.852 ± 0.000 χ^2/NDF : 749480.0/24

Out: 1808.401 ± 0.267 χ^2/NDF : 1381205.9/27

All: 1873.852 ± 0.000 χ^2/NDF : 2190664.9/52

dit_atr2_11X12X_slope vs Slug, Sign Corrected



Right In: -292.986+/-0.000 χ^2/NDF : 1015592.4/16

Left Out: -260.384+/-0.032 χ^2/NDF :189420.6/8

Right Out: -254.119+/-0.059 χ^2/NDF : 502658.5/18

Left In: -261.015+/-0.025 χ^2/NDF :229453.0/7

Left: -260.775+/-0.019 χ^2/NDF : 419122.1/16

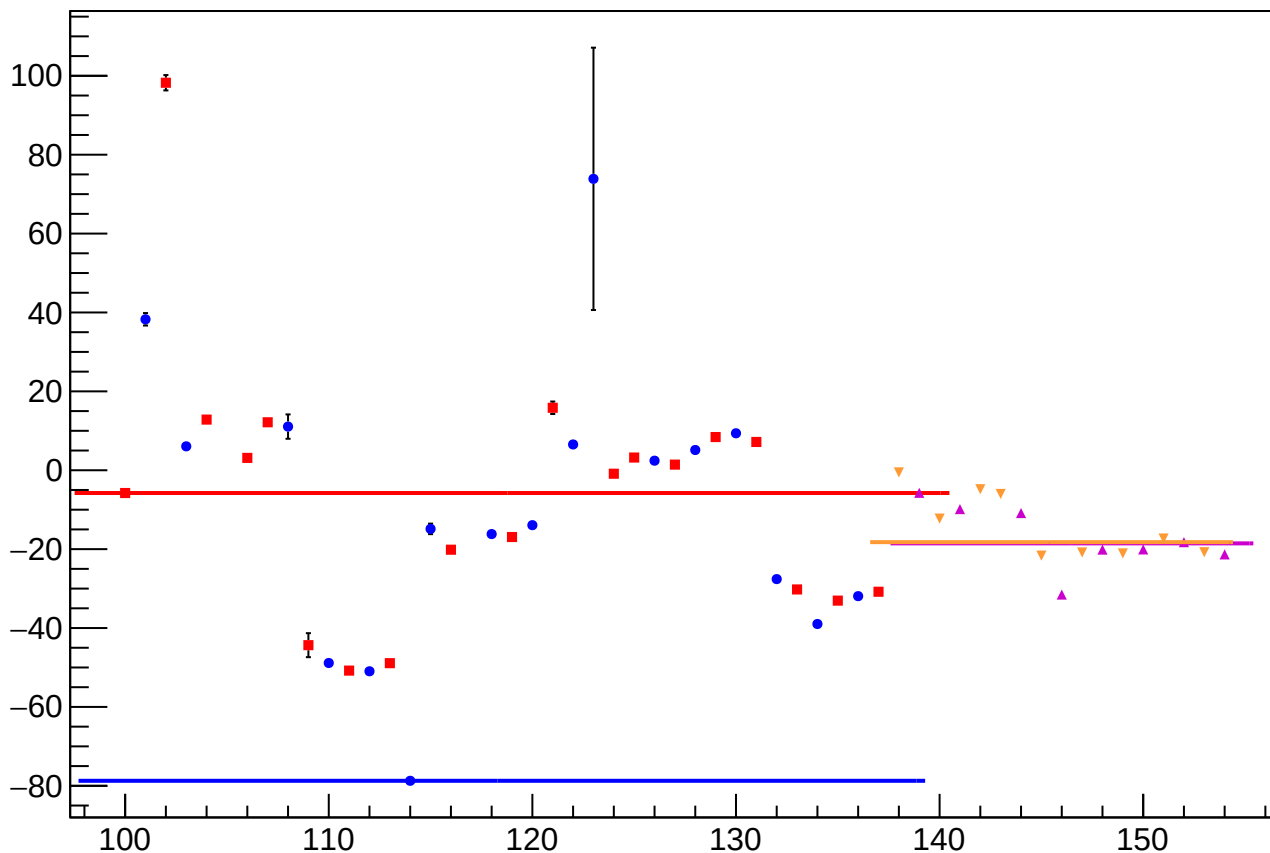
Right: -292.986+/-0.000 χ^2/NDF : 1952225.7/35

In: -292.986+/-0.000 χ^2/NDF :2922269.2/24

Out: -258.992+/-0.028 χ^2/NDF :700850.1/27

All: -292.986+/-0.000 χ^2/NDF : 5117202.0/52

dit_atr2_4aY_slope vs Slug, Sign Corrected



Right In: -78.728 ± 0.000 $\chi^2/\text{NDF}: 1399088.3/16$

Left Out: -18.226 ± 0.034 $\chi^2/\text{NDF}: 19338.3/8$

Right Out: -5.769 ± 0.000 $\chi^2/\text{NDF}: 111570.1/18$

Left In: -18.538 ± 0.026 $\chi^2/\text{NDF}: 34838.2/7$

Left: -18.425 ± 0.021 $\chi^2/\text{NDF}: 54229.1/16$

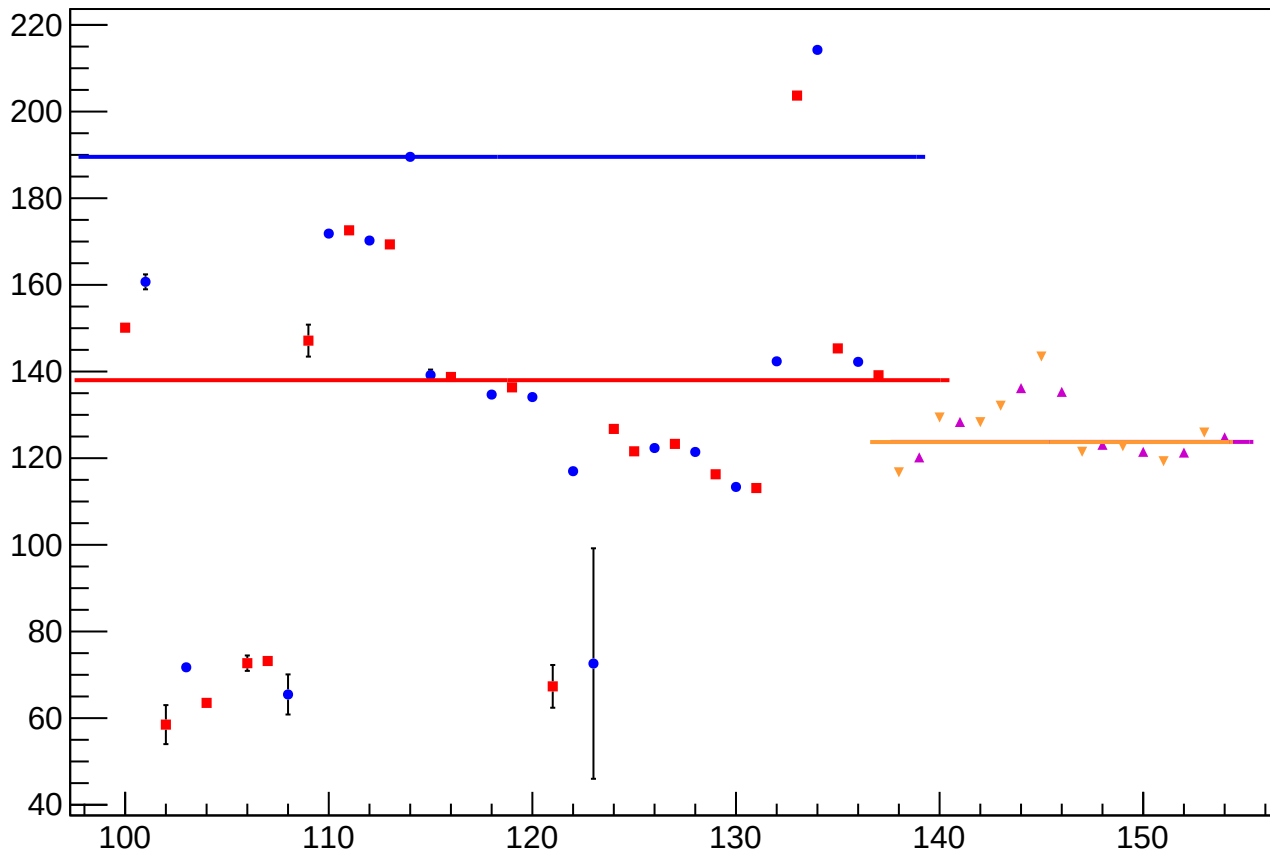
Right: -6.288 ± 0.000 $\chi^2/\text{NDF}: 2878797679293380$

In: -78.728 ± 0.000 $\chi^2/\text{NDF}: 6810157.8/24$

Out: -5.769 ± 0.000 $\chi^2/\text{NDF}: 262347.5/27$

All: -6.288 ± 0.000 $\chi^2/\text{NDF}: 2878797679293$

dit_atr2_4eY_slope vs Slug, Sign Corrected



Right In: 189.551 $\pm$ 0.000 χ^2 /NDF: 927391.8/16

Left Out: 123.726 $\pm$ 0.038 χ^2 /NDF:10196.3/8

Right Out: 138.002 $\pm$ 0.059 χ^2 /NDF: 117357.8/18

Left In: 123.756 $\pm$ 0.037 χ^2 /NDF:9304.6/7

Left: 123.741 $\pm$ 0.026 χ^2 /NDF: 19501.3/16

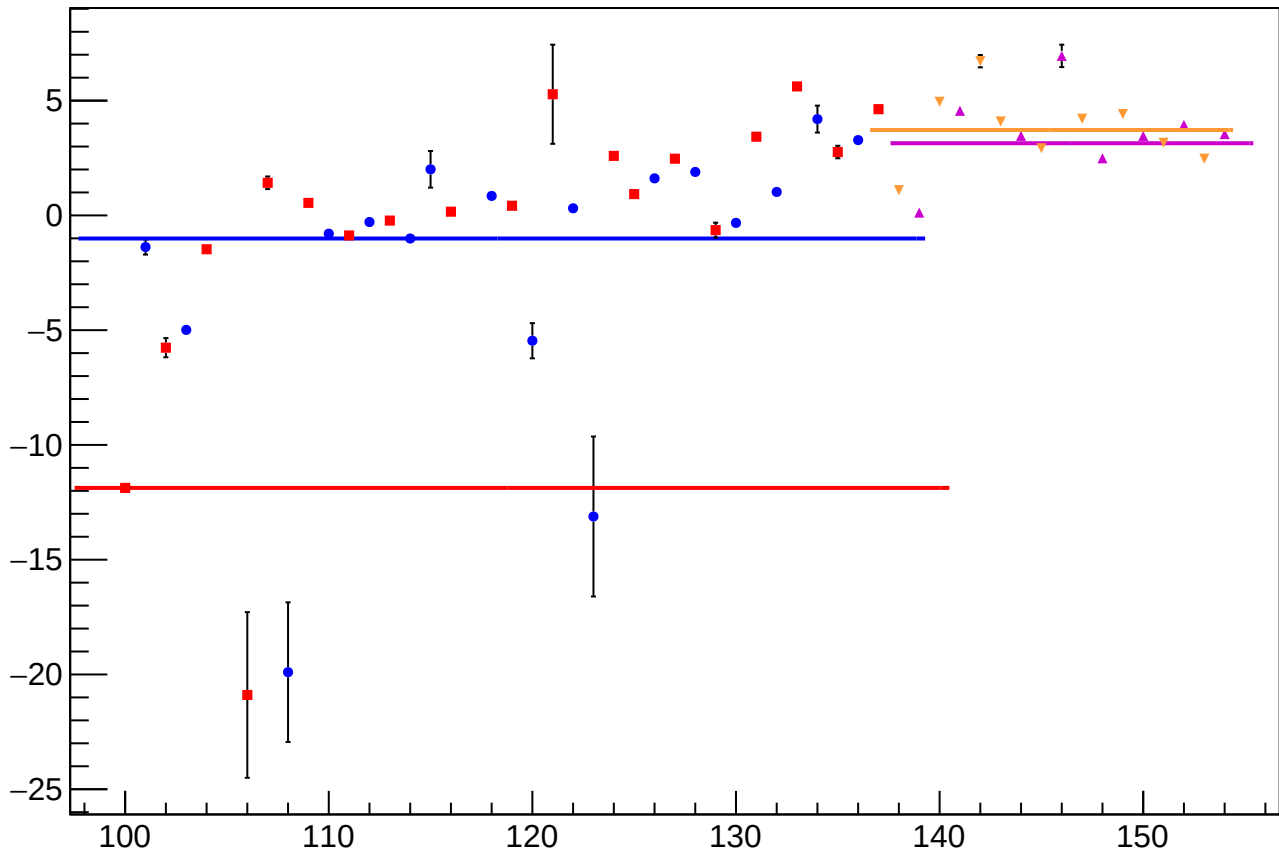
Right: 189.551 $\pm$ 0.000 χ^2 /NDF: 1806450.5/35

In: 189.551 $\pm$ 0.000 χ^2 /NDF:4116183.6/24

Out: 127.886 $\pm$ 0.032 χ^2 /NDF:168947.8/27

All: 189.551 $\pm$ 0.000 χ^2 /NDF: 8025755.1/52

dit_sam1_4aX_slope vs Slug, Sign Corrected



Right In: -1.007 ± 0.000 χ^2/NDF : 7057.7/16

Left Out: 3.720 ± 0.036 χ^2/NDF : 764.5/8

Right Out: -11.872 ± 0.000 χ^2/NDF : 503632.2/18

Left In: 3.144 ± 0.024 χ^2/NDF : 2719.6/7

Left: 3.317 ± 0.020 χ^2/NDF : 3662.7/16

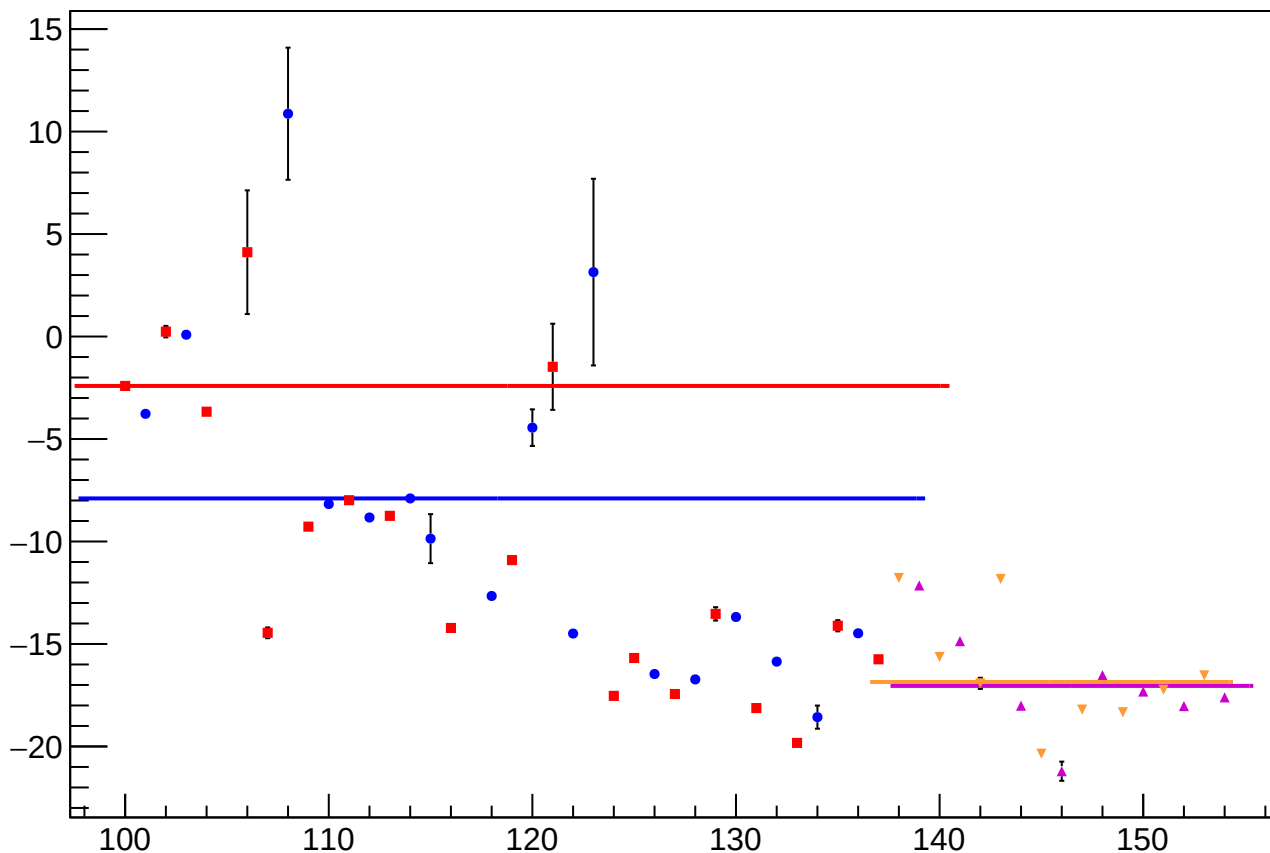
Right: -1.365 ± 0.000 χ^2/NDF : 2170760676638215

In: -1.007 ± 0.000 χ^2/NDF : 40663.6/24

Out: -11.872 ± 0.000 χ^2/NDF : 691397.6/27

All: -1.365 ± 0.000 χ^2/NDF : 2170760676638

dit_sam1_4eX_slope vs Slug, Sign Corrected



Right In: -7.899 ± 0.000 χ^2/NDF : 39443.5/16

Left Out: -16.853 ± 0.035 χ^2/NDF : 3843.8/8

Right Out: -2.410 ± 0.000 χ^2/NDF : 203043.8/18

Left In: -17.045 ± 0.025 χ^2/NDF : 2822.6/7

Left: -16.980 ± 0.021 χ^2/NDF : 6685.7/16

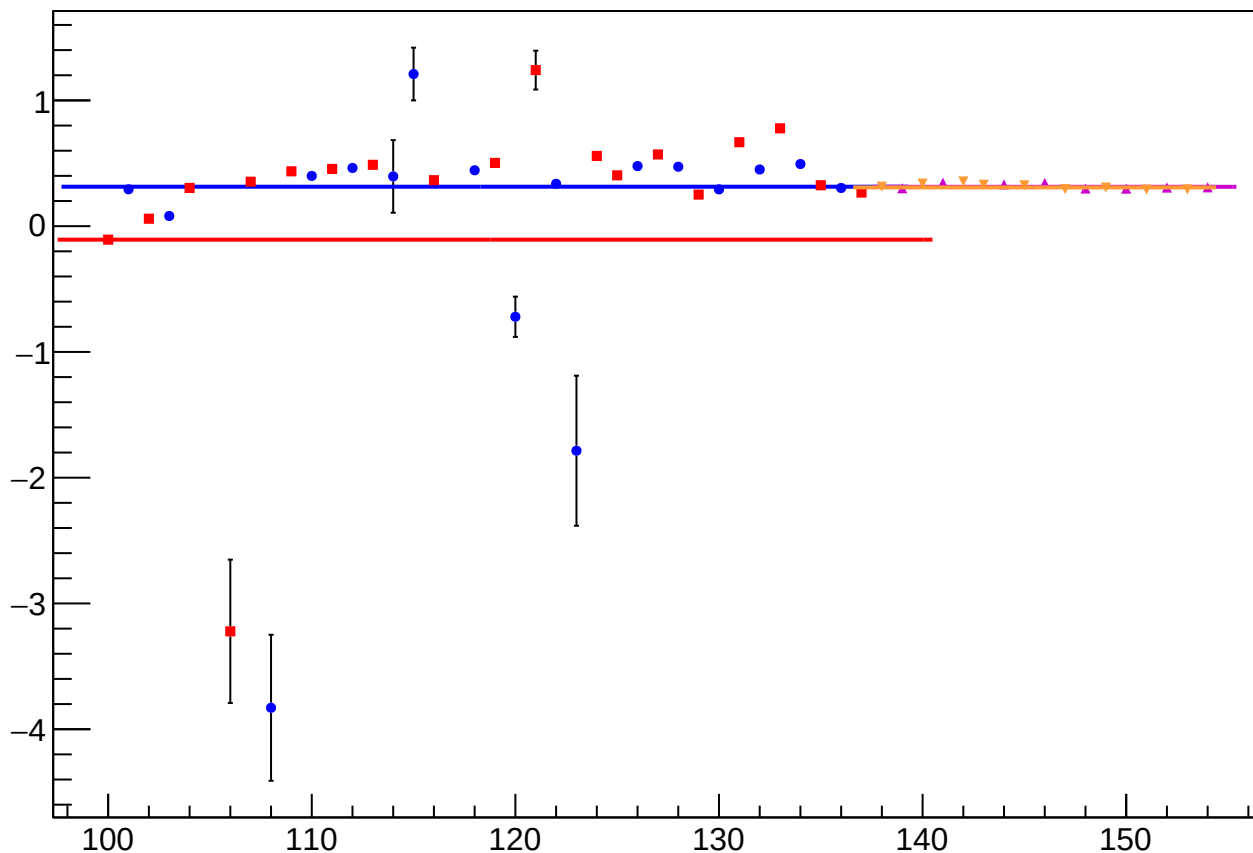
Right: -4.135 ± 0.000 χ^2/NDF : 2879850560728951

In: -7.899 ± 0.000 χ^2/NDF : 172891.0/24

Out: -2.410 ± 0.000 χ^2/NDF : 372602.9/27

All: -4.135 ± 0.000 χ^2/NDF : 2879850560728

dit_sam1_11X12X_slope vs Slug, Sign Corrected



Right In: 0.314 ± 0.001 $\chi^2/\text{NDF}: 2748.0/16$

Left Out: 0.308 ± 0.000 $\chi^2/\text{NDF}: 1785.0/8$

Right Out: -0.107 ± 0.000 $\chi^2/\text{NDF}: 219932.8/18$

Left In: 0.313 ± 0.000 $\chi^2/\text{NDF}: 1483.3/7$

Left: 0.311 ± 0.000 $\chi^2/\text{NDF}: 3337.8/16$

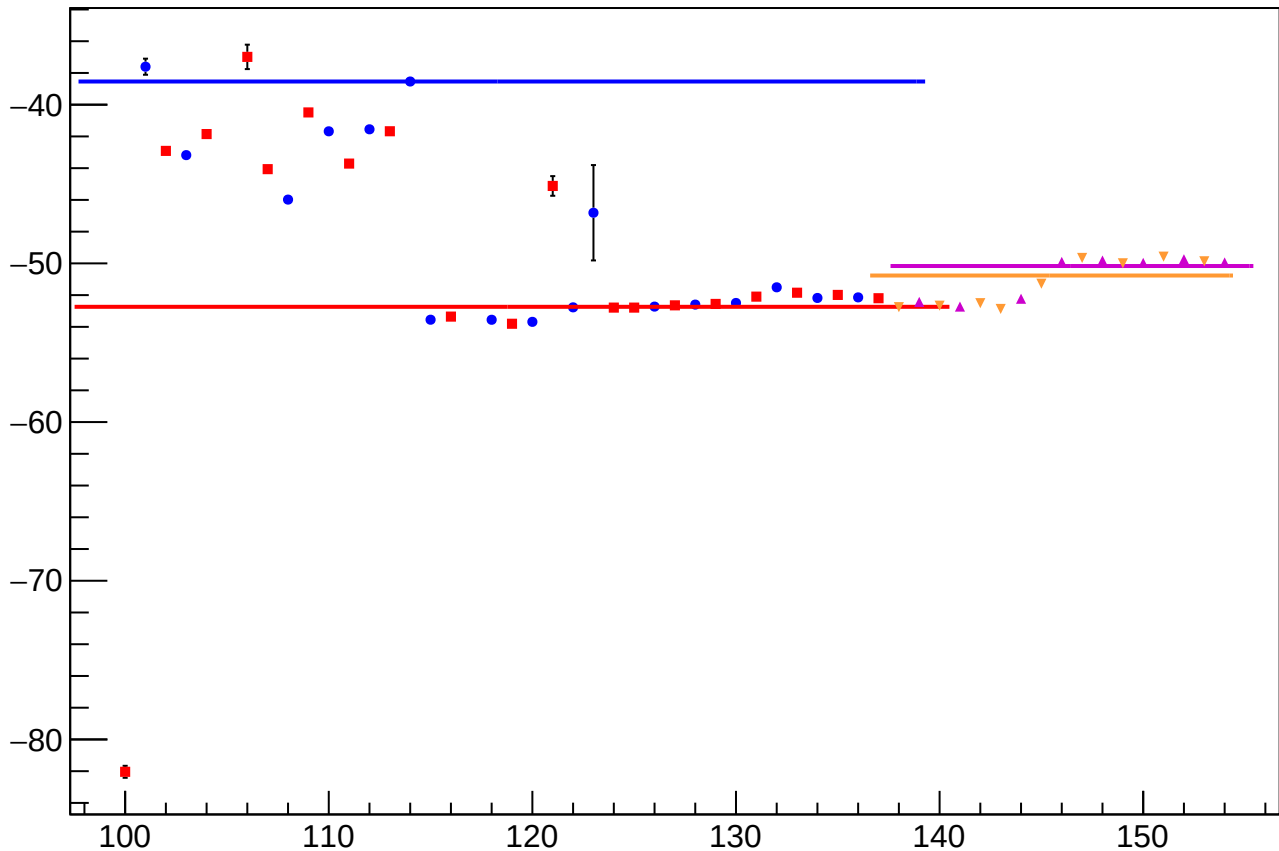
Right: -0.107 ± 0.000 $\chi^2/\text{NDF}: 409026.8/35$

In: 0.313 ± 0.000 $\chi^2/\text{NDF}: 4231.9/24$

Out: -0.107 ± 0.000 $\chi^2/\text{NDF}: 1175711.7/27$

All: -0.107 ± 0.000 $\chi^2/\text{NDF}: 2668911.7/52$

dit_sam1_4aY_slope vs Slug, Sign Corrected



Right In: -38.539 ± 0.000 $\chi^2/\text{NDF}: 14950854.6/16$

Left Out: -50.765 ± 0.003 $\chi^2/\text{NDF}: 211033.8/8$

Right Out: -52.737 ± 0.002 $\chi^2/\text{NDF}: 87430.2/18$

Left In: -50.166 ± 0.002 $\chi^2/\text{NDF}: 152943.2/7$

Left: -50.347 ± 0.002 $\chi^2/\text{NDF}: 391973.0/16$

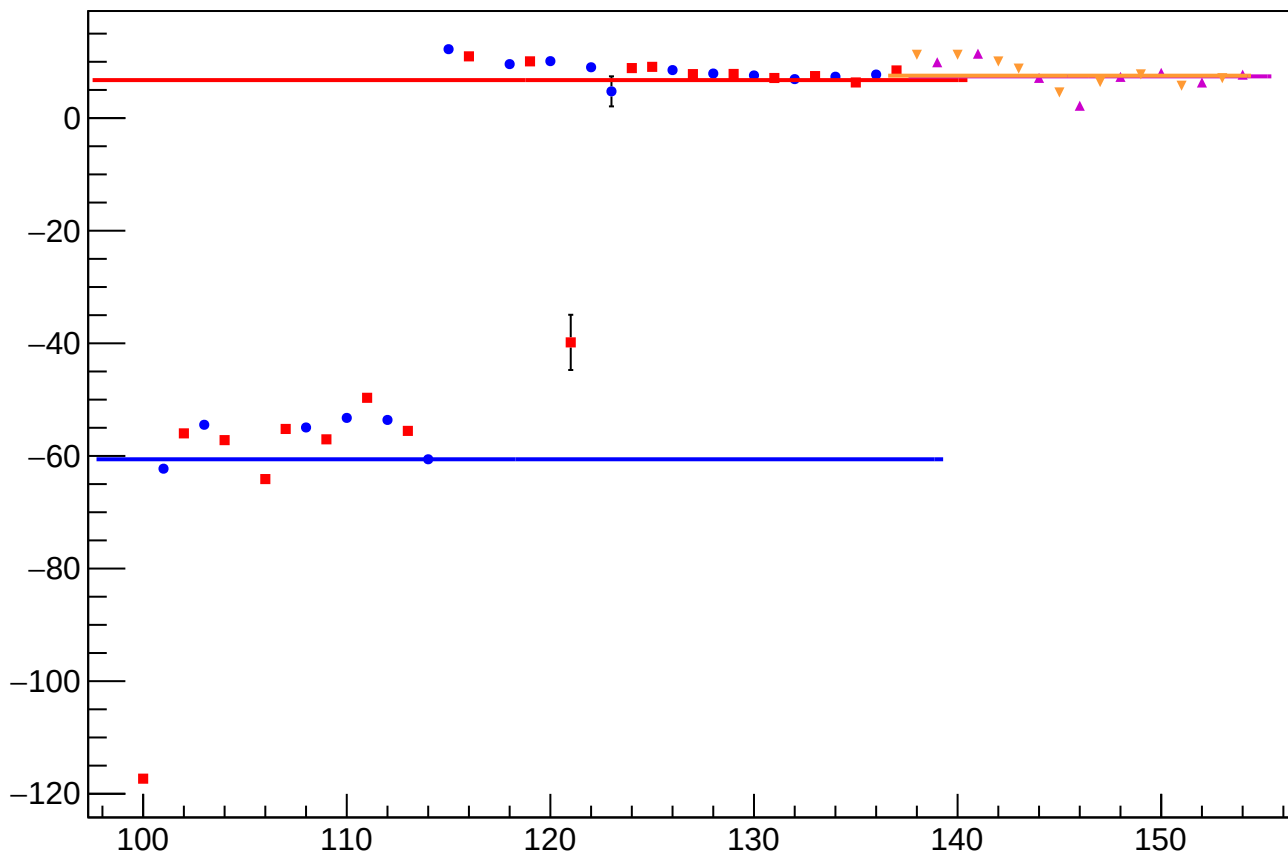
Right: -38.539 ± 0.000 $\chi^2/\text{NDF}: 72100834.2/35$

In: -38.539 ± 0.000 $\chi^2/\text{NDF}: 50050277.0/24$

Out: -52.179 ± 0.002 $\chi^2/\text{NDF}: 609953.3/27$

All: -38.539 ± 0.000 $\chi^2/\text{NDF}: 124113746.1/5$

dit_sam1_4eY_slope vs Slug, Sign Corrected



Right In: -60.594 $\pm$ 0.000 χ^2 /NDF: 26122838.1/16

Left Out: 7.536 $\pm$ 0.007 χ^2 /NDF: 65194.1/8

Right Out: 6.748 $\pm$ 0.011 χ^2 /NDF: 1266598.3/18

Left In: 7.411 $\pm$ 0.004 χ^2 /NDF: 107211.6/7

Left: 7.447 $\pm$ 0.004 χ^2 /NDF: 172657.7/16

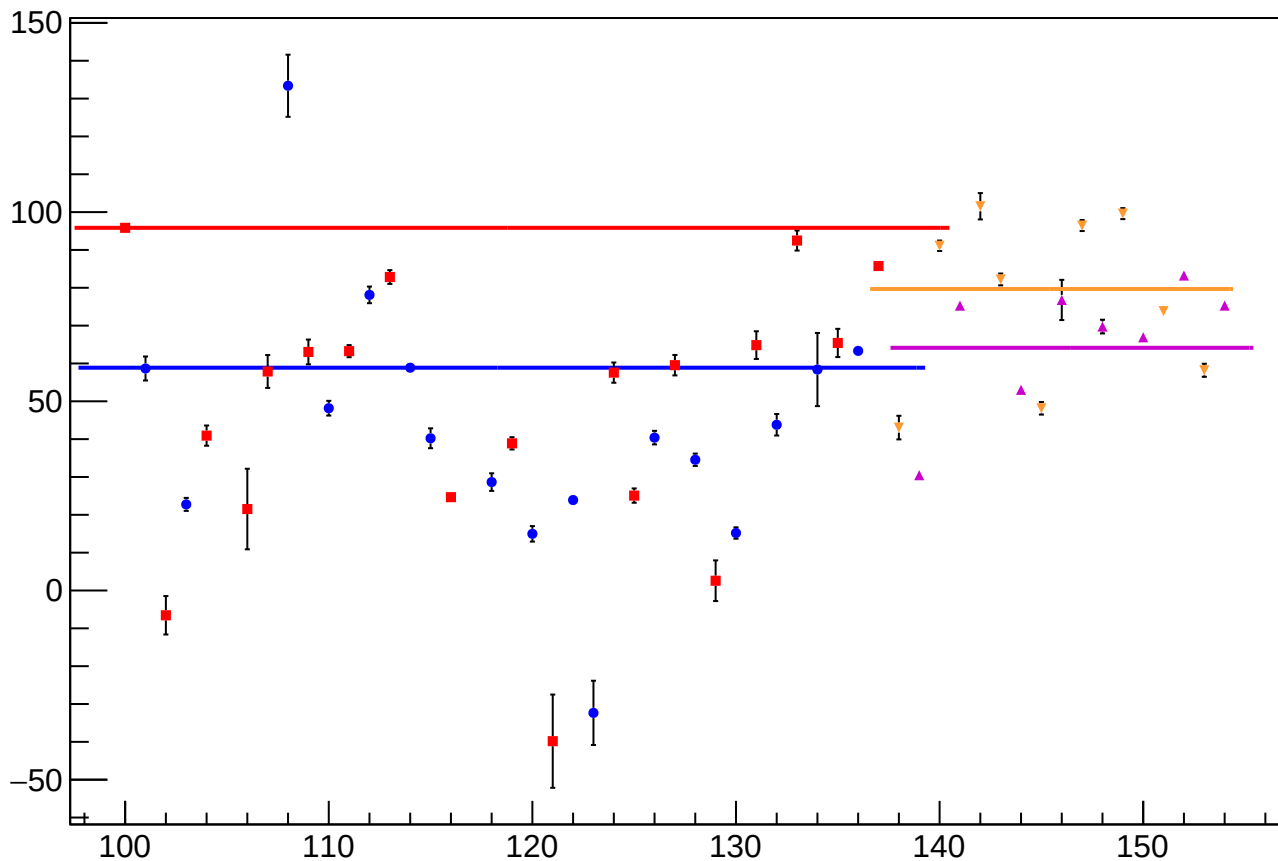
Right: -60.594 $\pm$ 0.000 χ^2 /NDF: 64778482.9/35

In: -60.594 $\pm$ 0.000 χ^2 /NDF: 281720078.5/24

Out: 7.326 $\pm$ 0.006 χ^2 /NDF: 1335542.5/27

All: -60.594 $\pm$ 0.000 χ^2 /NDF: 426146540.4/5

dit_sam2_4aX_slope vs Slug, Sign Corrected



Right In: 58.880 ± 0.000 $\chi^2/\text{NDF}: 3814.7/16$

Left Out: 79.683 ± 0.542 $\chi^2/\text{NDF}: 1107.8/8$

Right Out: 95.846 ± 0.000 $\chi^2/\text{NDF}: 39385.0/18$

Left In: 64.137 ± 0.374 $\chi^2/\text{NDF}: 1898.7/7$

Left: 69.153 ± 0.308 $\chi^2/\text{NDF}: 3564.0/16$

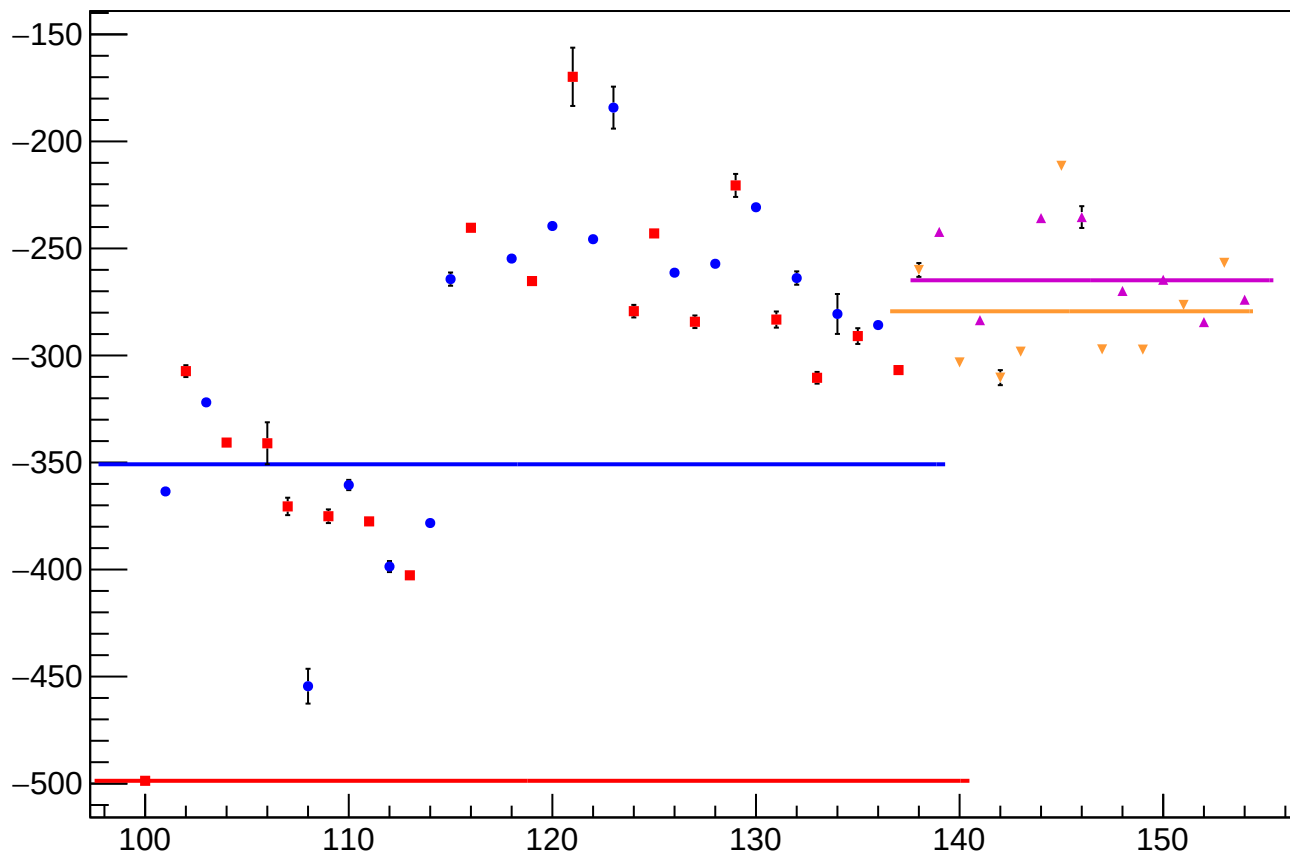
Right: 60.098 ± 0.000 $\chi^2/\text{NDF}: 9815233945666380$

In: 58.880 ± 0.000 $\chi^2/\text{NDF}: 5910.9/24$

Out: 95.846 ± 0.000 $\chi^2/\text{NDF}: 41382.6/27$

All: 60.098 ± 0.000 $\chi^2/\text{NDF}: 9815233945666380$

dit_sam2_4eX_slope vs Slug, Sign Corrected



Right In: -350.833 ± 0.245 χ^2/NDF : 41301.1/16

Left Out: -279.359 ± 0.531 χ^2/NDF : 2970.6/8

Right Out: -498.692 ± 0.000 χ^2/NDF : 511870.8/18

Left In: -264.875 ± 0.379 χ^2/NDF : 1836.0/7

Left: -269.767 ± 0.308 χ^2/NDF : 5300.1/16

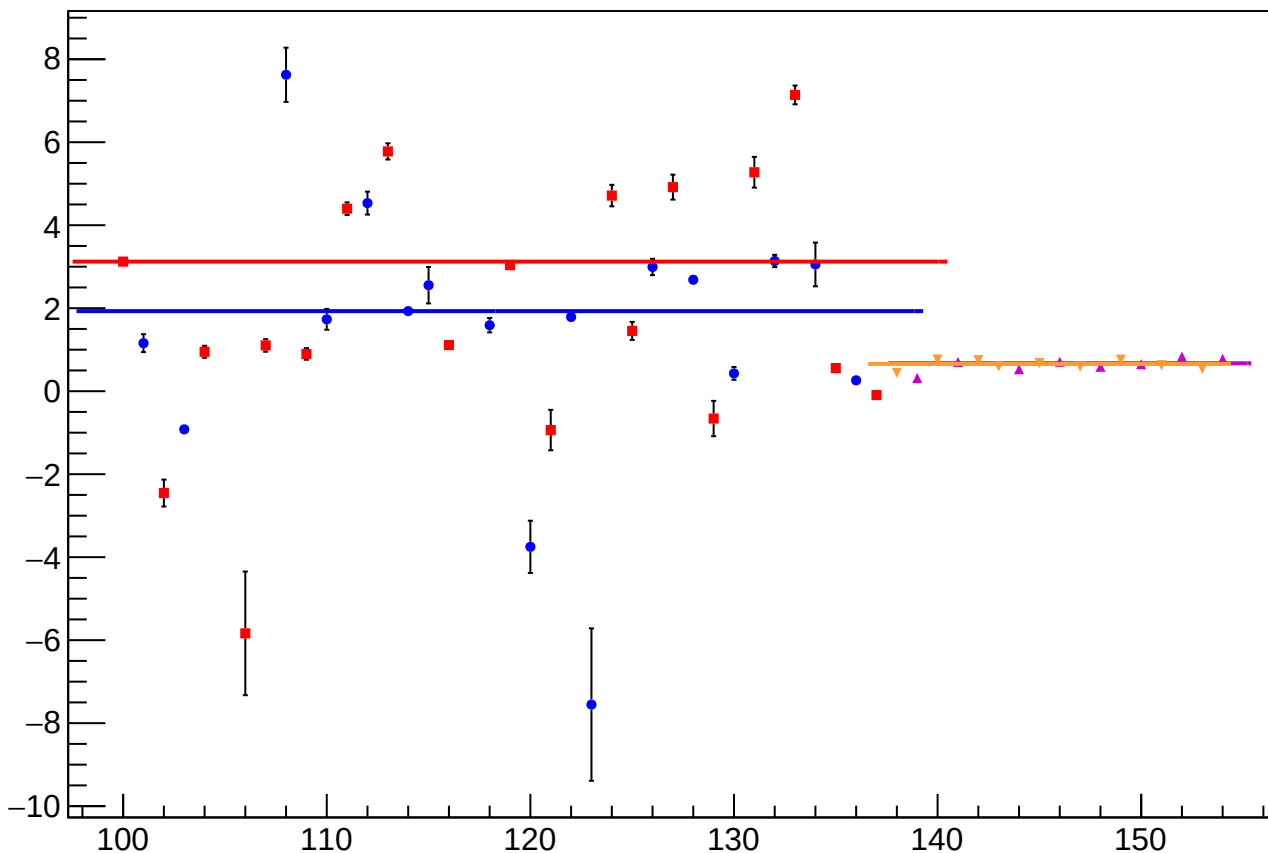
Right: -498.692 ± 0.000 χ^2/NDF : 918780.8/35

In: -325.561 ± 0.205 χ^2/NDF : 79464.9/24

Out: -498.692 ± 0.000 χ^2/NDF : 685728.4/27

All: -498.692 ± 0.000 χ^2/NDF : 1475205.2/52

dit_sam2_11X12X_slope vs Slug, Sign Corrected



Right In: 1.930 $\pm$ 0.000 χ^2 /NDF: 59970.9/16

Left Out: 0.658 $\pm$ 0.003 χ^2 /NDF:658.9/8

Right Out: 3.123 $\pm$ 0.000 χ^2 /NDF: 512565.5/18

Left In: 0.674 $\pm$ 0.003 χ^2 /NDF:3342.8/7

Left: 0.668 $\pm$ 0.002 χ^2 /NDF: 4015.5/16

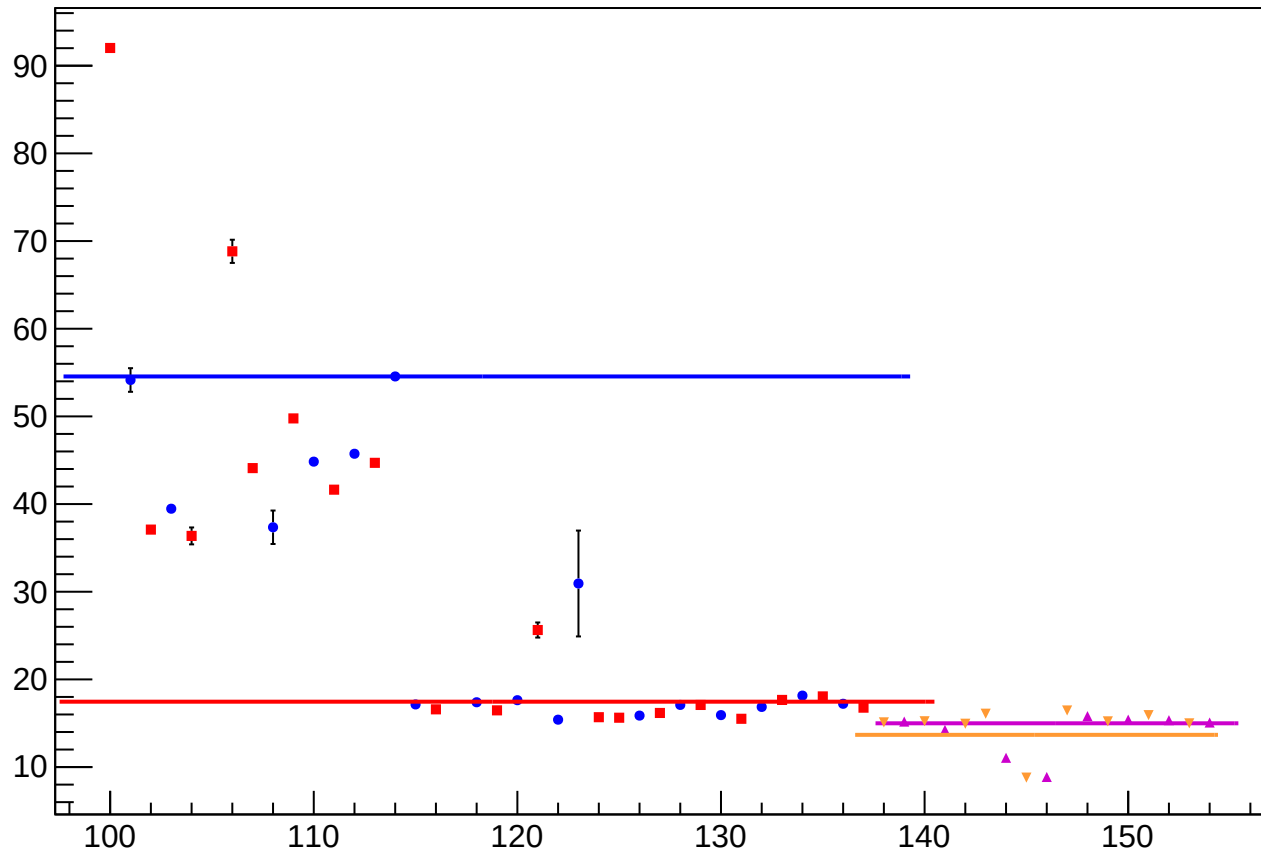
Right: 2.073 $\pm$ 0.000 χ^2 /NDF: 38099534578085305

In: 1.930 $\pm$ 0.000 χ^2 /NDF:287444.7/24

Out: 3.123 $\pm$ 0.000 χ^2 /NDF:1031478.7/27

All: 2.073 $\pm$ 0.000 χ^2 /NDF: 38099534578085

dit_sam2_4aY_slope vs Slug, Sign Corrected



Right In: 54.556+/-0.000 χ^2/NDF : 7238433.0/16

Left Out: 13.676+/-0.011 χ^2/NDF : 72143.4/8

Right Out: 17.458+/-0.018 χ^2/NDF : 99308.5/18

Left In: 14.994+/-0.011 χ^2/NDF : 7606.5/7

Left: 14.364+/-0.008 χ^2/NDF : 86858.9/16

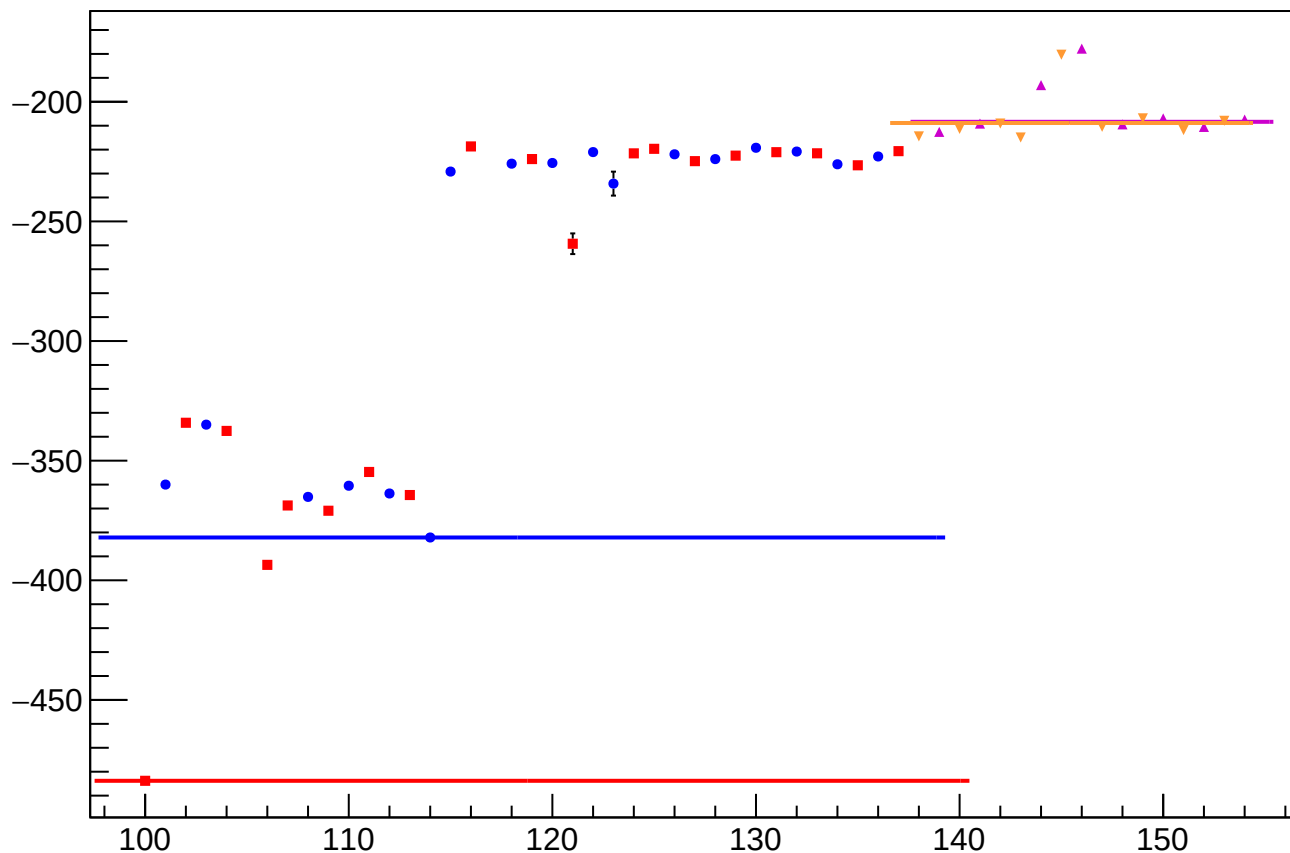
Right: 54.556+/-0.000 χ^2/NDF : 11453944.4/35

In: 54.556+/-0.000 χ^2/NDF : 20648921.9/24

Out: 14.720+/-0.010 χ^2/NDF : 202431.6/27

All: 54.556+/-0.000 χ^2/NDF : 38057290.6/52

dit_sam2_4eY_slope vs Slug, Sign Corrected



Right In: -382.108+/-0.000 χ^2/NDF : 18398024.3/16

Left Out: -208.863+/-0.022 χ^2/NDF : 58709.2/8

Right Out: -483.800+/-0.000 χ^2/NDF : 24338683.6/18

Left In: -208.373+/-0.020 χ^2/NDF : 13747.9/7

Left: -208.601+/-0.015 χ^2/NDF : 72728.8/16

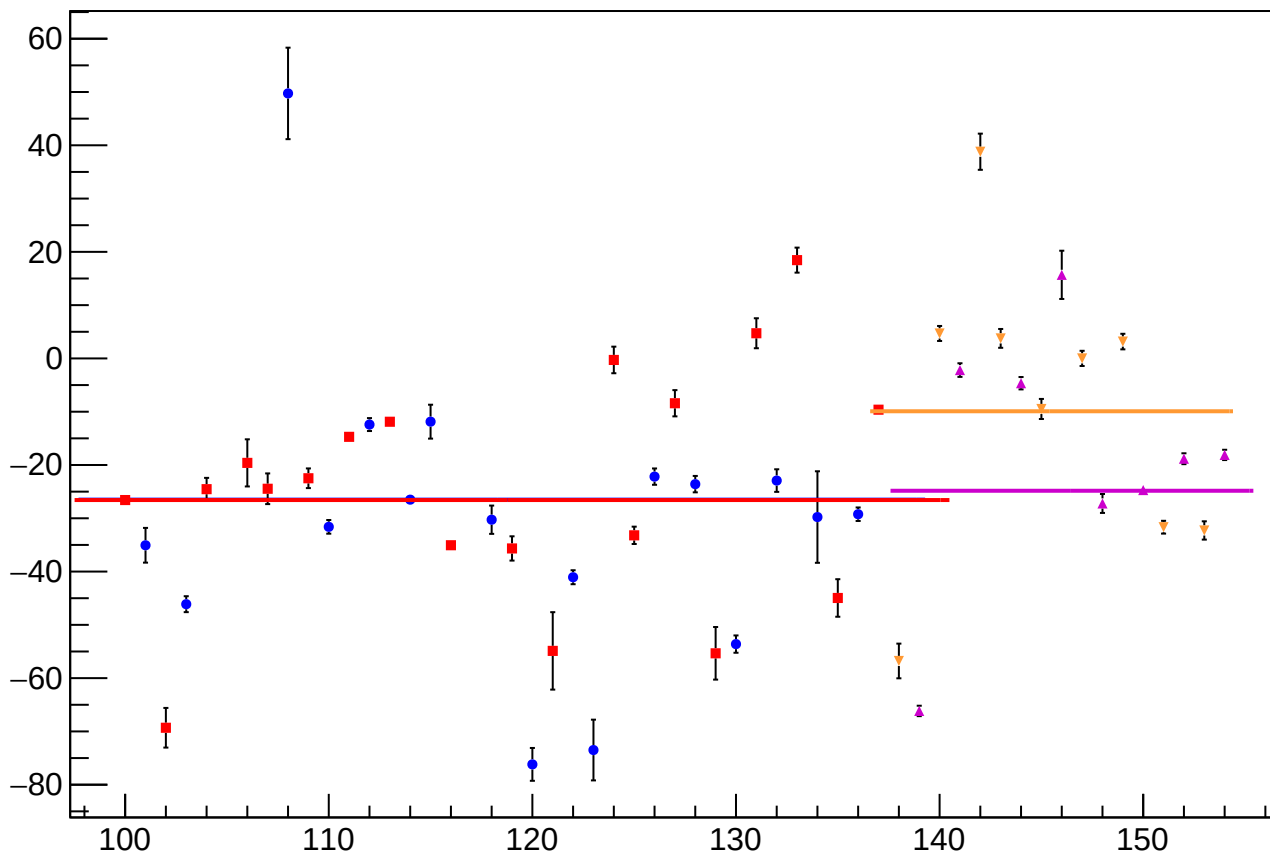
Right: -417.999+/-0.000 χ^2/NDF : 12425488813367

In: -382.108+/-0.000 χ^2/NDF : 91608011.7/24

Out: -483.800+/-0.000 χ^2/NDF : 184094348.9/27

All: -417.999+/-0.000 χ^2/NDF : 12425488813

dit_sam3_4aX_slope vs Slug, Sign Corrected



Right In: -26.504 ± 0.000 $\chi^2/\text{NDF}: 1180.7/16$

Left Out: -9.916 ± 0.552 $\chi^2/\text{NDF}: 1207.6/8$

Right Out: -26.577 ± 0.000 $\chi^2/\text{NDF}: 2640.9/18$

Left In: -24.834 ± 0.392 $\chi^2/\text{NDF}: 2566.3/7$

Left: -19.826 ± 0.320 $\chi^2/\text{NDF}: 4259.2/16$

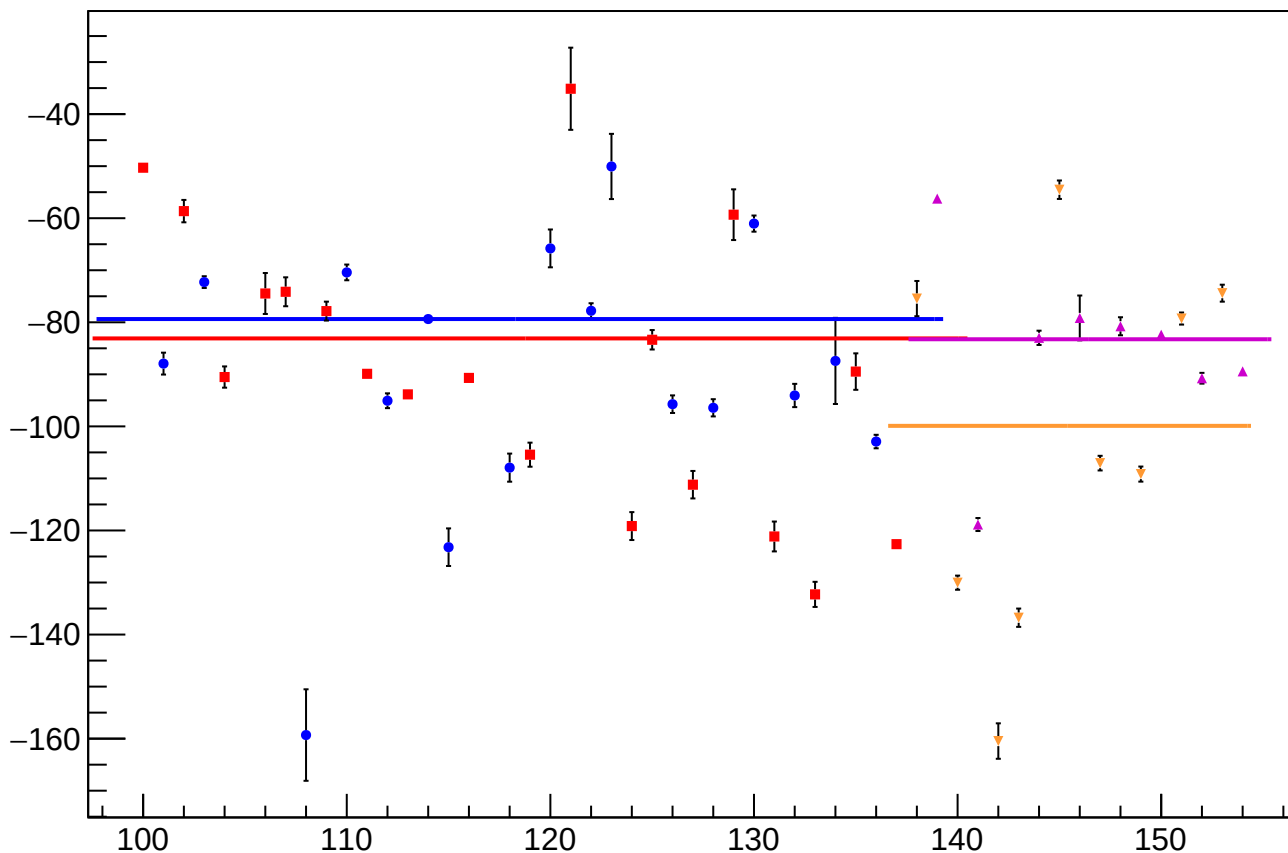
Right: -26.530 ± 0.000 $\chi^2/\text{NDF}: 412159279654659$

In: -26.504 ± 0.000 $\chi^2/\text{NDF}: 3765.1/24$

Out: -26.577 ± 0.000 $\chi^2/\text{NDF}: 4759.6/27$

All: -26.530 ± 0.000 $\chi^2/\text{NDF}: 412159279654$

dit_sam3_4eX_slope vs Slug, Sign Corrected



Right In: -79.376 ± 0.000 $\chi^2/\text{NDF}: 1304.6/16$

Left Out: -99.898 ± 0.538 $\chi^2/\text{NDF}: 2580.5/8$

Right Out: -83.099 ± 0.178 $\chi^2/\text{NDF}: 11915.8/18$

Left In: -83.259 ± 0.387 $\chi^2/\text{NDF}: 1827.7/7$

Left: -88.925 ± 0.314 $\chi^2/\text{NDF}: 5039.2/16$

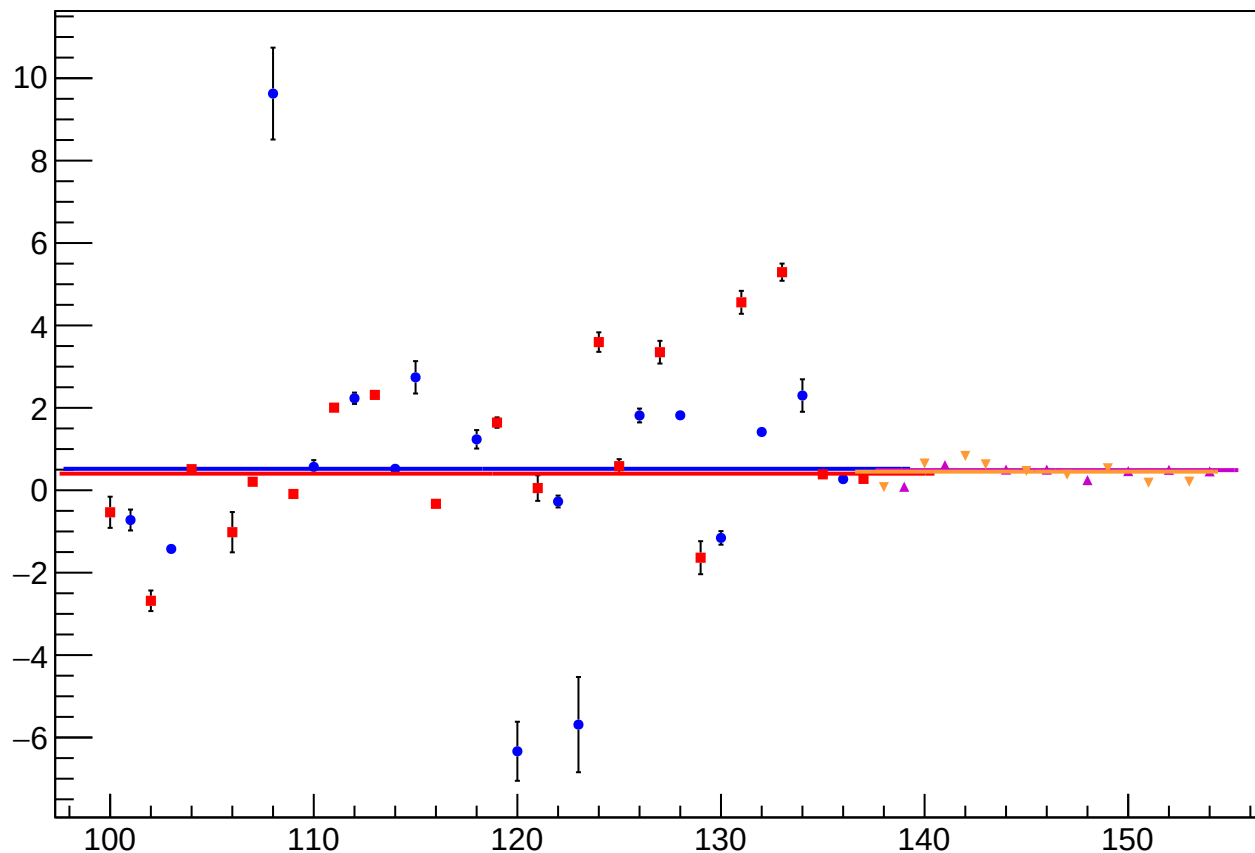
Right: -79.376 ± 0.000 $\chi^2/\text{NDF}: 13657.0/35$

In: -79.376 ± 0.000 $\chi^2/\text{NDF}: 3233.3/24$

Out: -84.760 ± 0.169 $\chi^2/\text{NDF}: 15375.2/27$

All: -79.376 ± 0.000 $\chi^2/\text{NDF}: 19621.6/52$

dit_sam3_11X12X_slope vs Slug, Sign Corrected



Right In: 0.521 ± 0.000 χ^2/NDF : 3370.8/16

Left Out: 0.452 ± 0.004 χ^2/NDF : 1974.9/8

Right Out: 0.403 ± 0.011 χ^2/NDF : 2727.5/18

Left In: 0.489 ± 0.003 χ^2/NDF : 2829.5/7

Left: 0.478 ± 0.002 χ^2/NDF : 4860.9/16

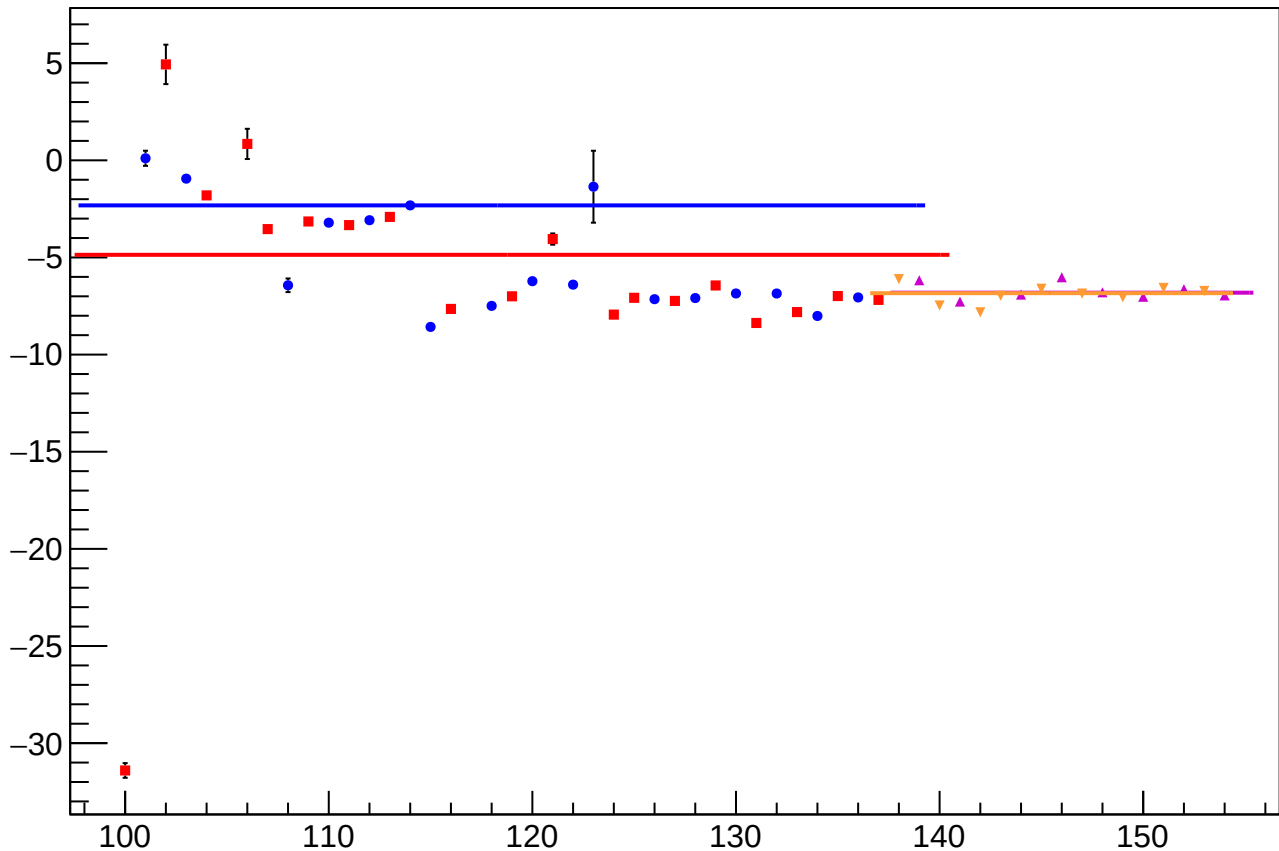
Right: 0.521 ± 0.000 χ^2/NDF : 6215.1/35

In: 0.521 ± 0.000 χ^2/NDF : 6346.2/24

Out: 0.446 ± 0.004 χ^2/NDF : 4720.0/27

All: 0.521 ± 0.000 χ^2/NDF : 11443.2/52

dit_sam3_4aY_slope vs Slug, Sign Corrected



Right In: -2.320 ± 0.000 χ^2/NDF : 270771.9/16

Left Out: -6.838 ± 0.005 χ^2/NDF : 2268.2/8

Right Out: -4.864 ± 0.010 χ^2/NDF : 49380.5/18

Left In: -6.813 ± 0.005 χ^2/NDF : 4479.3/7

Left: -6.825 ± 0.003 χ^2/NDF : 6760.5/16

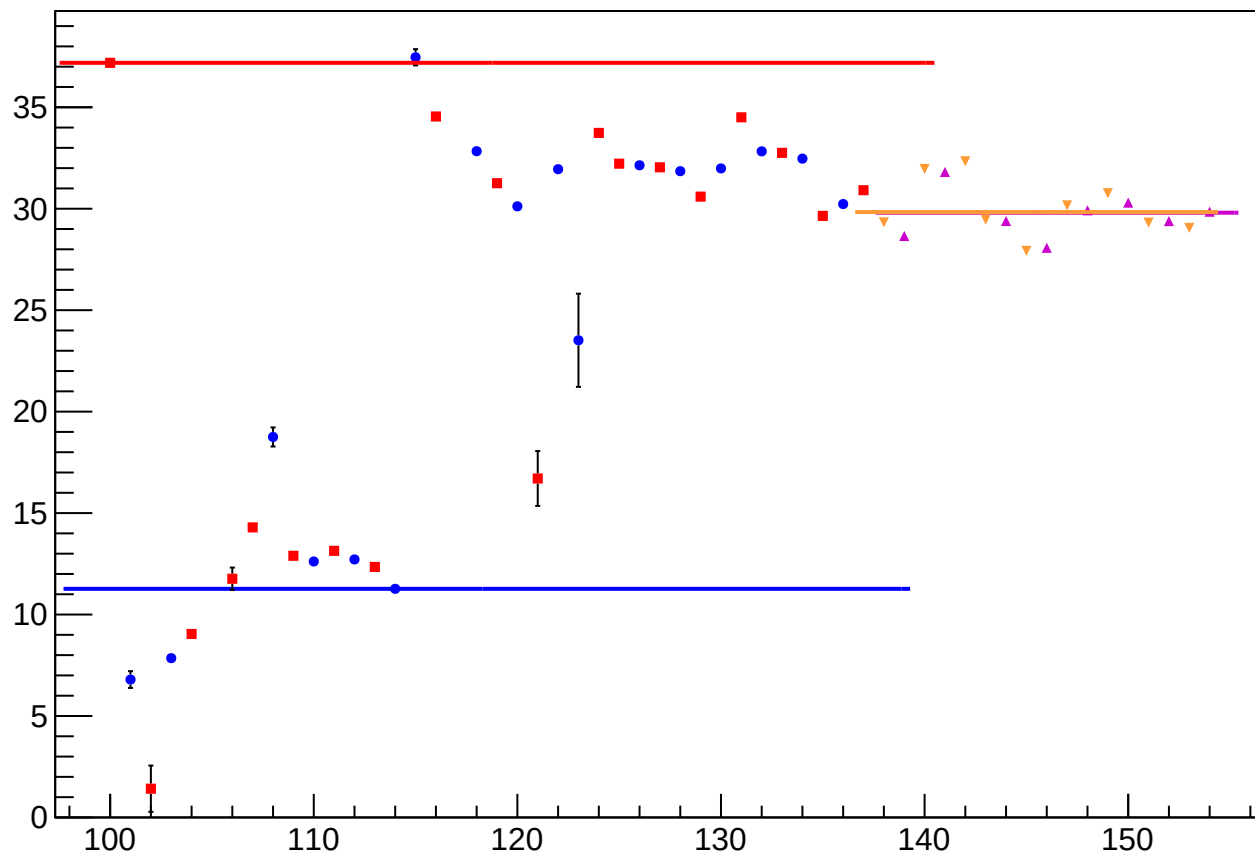
Right: -2.320 ± 0.000 χ^2/NDF : 381161.7/35

In: -2.320 ± 0.000 χ^2/NDF : 1164480.2/24

Out: -6.464 ± 0.004 χ^2/NDF : 81387.7/27

All: -2.320 ± 0.000 χ^2/NDF : 2099334.1/52

dit_sam3_4eY_slope vs Slug, Sign Corrected



Right In: 11.268 $\pm$ 0.000 χ^2 /NDF: 958029.3/16

Left Out: 29.835 $\pm$ 0.017 χ^2 /NDF:4785.1/8

Right Out: 37.191 $\pm$ 0.000 χ^2 /NDF: 1121929.1/18

Left In: 29.804 $\pm$ 0.013 χ^2 /NDF:2629.6/7

Left: 29.816 $\pm$ 0.010 χ^2 /NDF: 7416.7/16

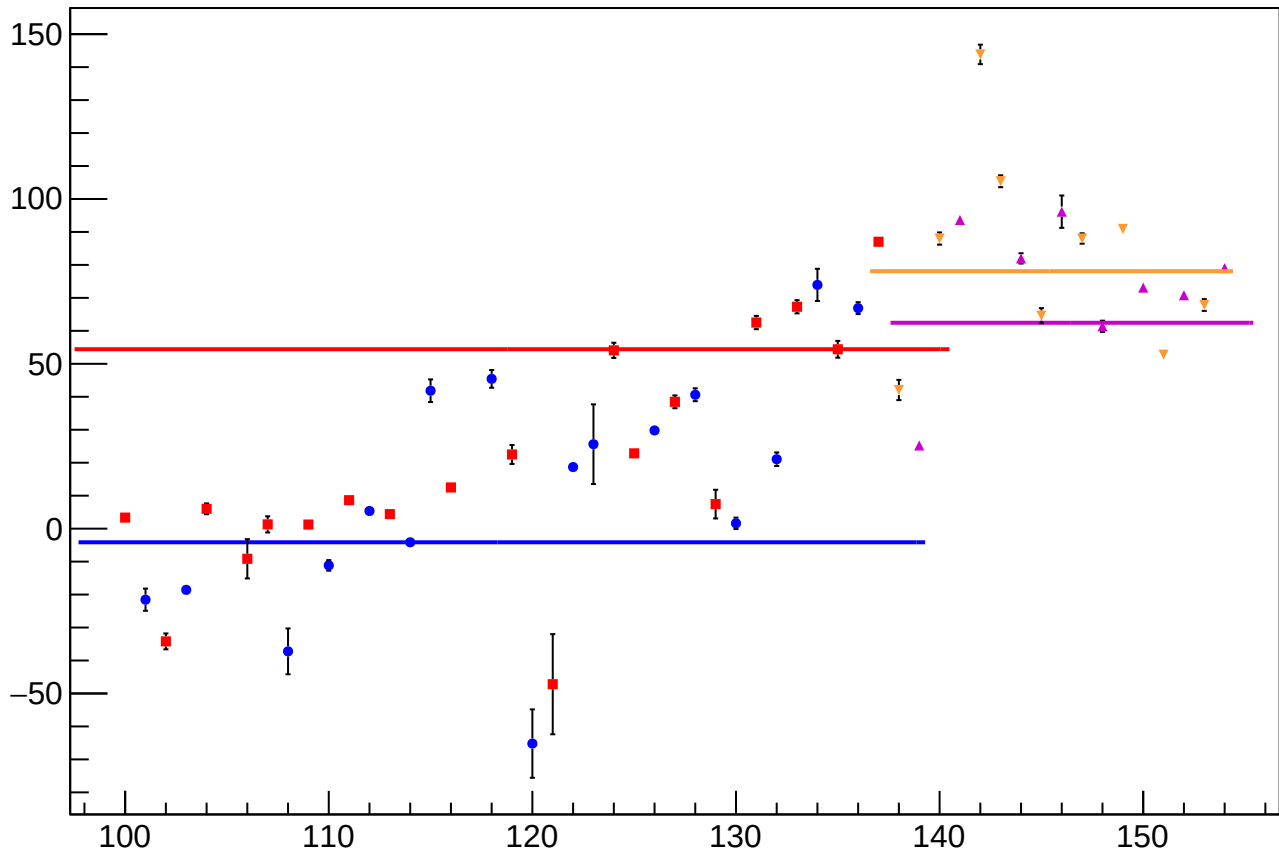
Right: 12.122 $\pm$ 0.000 χ^2 /NDF: 7723055694978834

In: 11.268 $\pm$ 0.000 χ^2 /NDF:3023271.4/24

Out: 37.191 $\pm$ 0.000 χ^2 /NDF:1324579.7/27

All: 12.122 $\pm$ 0.000 χ^2 /NDF: 7723055694978

dit_sam4_4aX_slope vs Slug, Sign Corrected



Right In: -4.139 ± 0.000 χ^2/NDF : 4654.2/16

Left Out: 78.097 ± 0.579 χ^2/NDF : 1570.5/8

Right Out: 54.427 ± 0.170 χ^2/NDF : 53998.7/18

Left In: 62.452 ± 0.384 χ^2/NDF : 3930.9/7

Left: 67.223 ± 0.320 χ^2/NDF : 6008.5/16

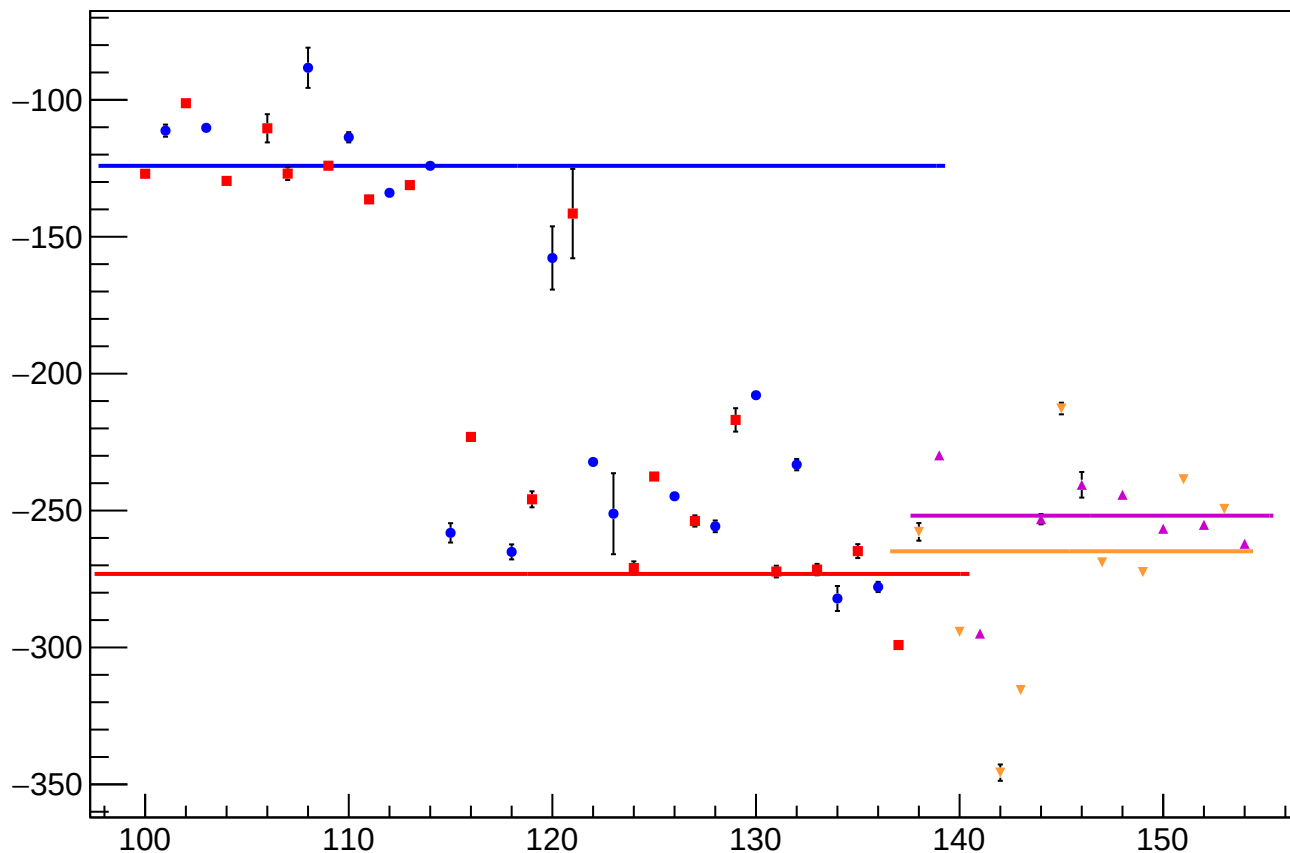
Right: -4.139 ± 0.000 χ^2/NDF : 177029.3/35

In: -4.139 ± 0.000 χ^2/NDF : 38706.7/24

Out: 56.308 ± 0.163 χ^2/NDF : 57106.4/27

All: -4.139 ± 0.000 χ^2/NDF : 232809.9/52

dit_sam4_4eX_slope vs Slug, Sign Corrected



Right In: -124.095 ± 0.000 χ^2/NDF : 38152.5/16

Left Out: -264.875 ± 0.570 χ^2/NDF : 3067.1/8

Right Out: -273.143 ± 0.113 χ^2/NDF : 280141.9/18

Left In: -251.866 ± 0.373 χ^2/NDF : 2442.0/7

Left: -255.773 ± 0.312 χ^2/NDF : 5874.1/16

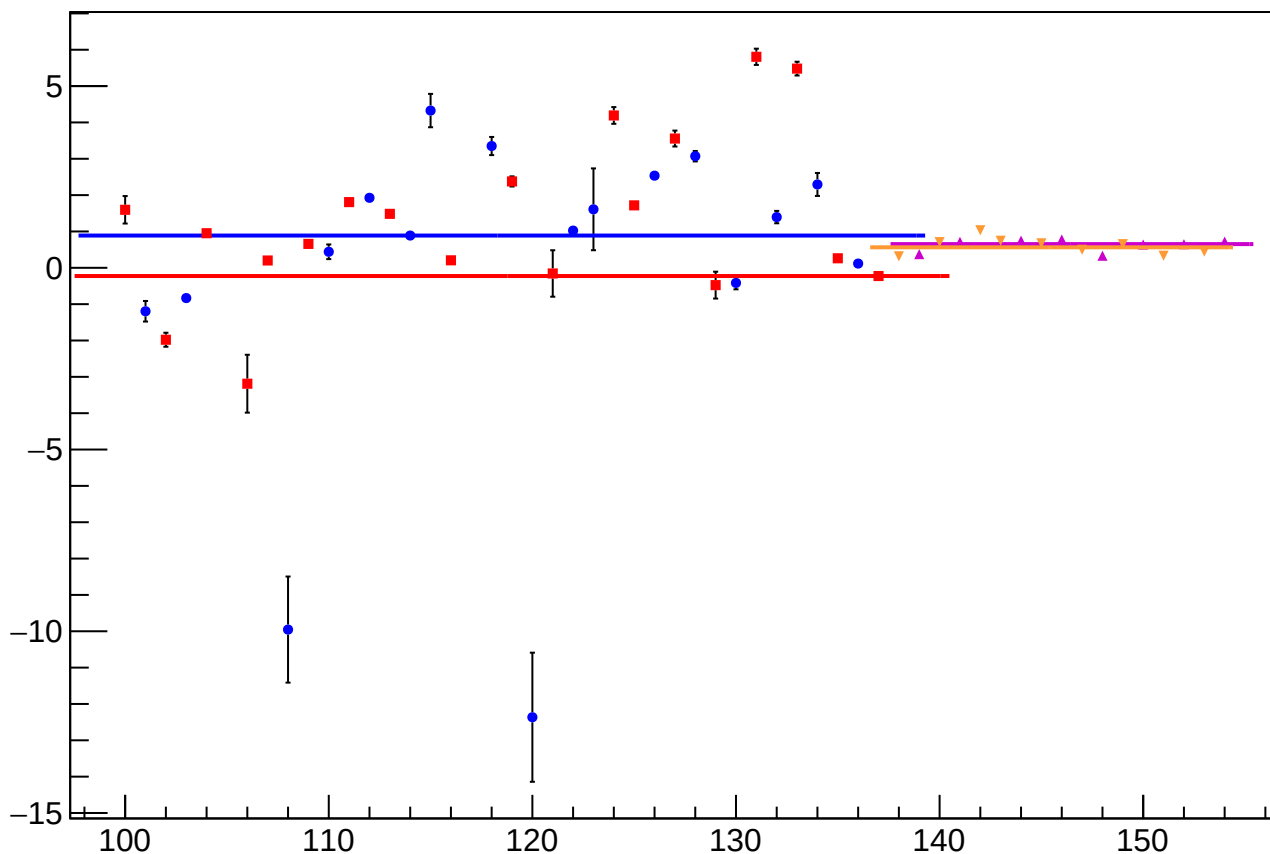
Right: -124.095 ± 0.000 χ^2/NDF : 2066776.4/35

In: -124.095 ± 0.000 χ^2/NDF : 157831.2/24

Out: -272.832 ± 0.111 χ^2/NDF : 283411.8/27

All: -124.095 ± 0.000 χ^2/NDF : 2250623.3/52

dit_sam4_11X12X_slope vs Slug, Sign Corrected



Right In: 0.888 ± 0.000 χ^2/NDF : 8672.0/16

Left Out: 0.564 ± 0.004 χ^2/NDF : 1685.6/8

Right Out: -0.226 ± 0.000 χ^2/NDF : 5031.1/18

Left In: 0.652 ± 0.003 χ^2/NDF : 1104.2/7

Left: 0.620 ± 0.003 χ^2/NDF : 3040.4/16

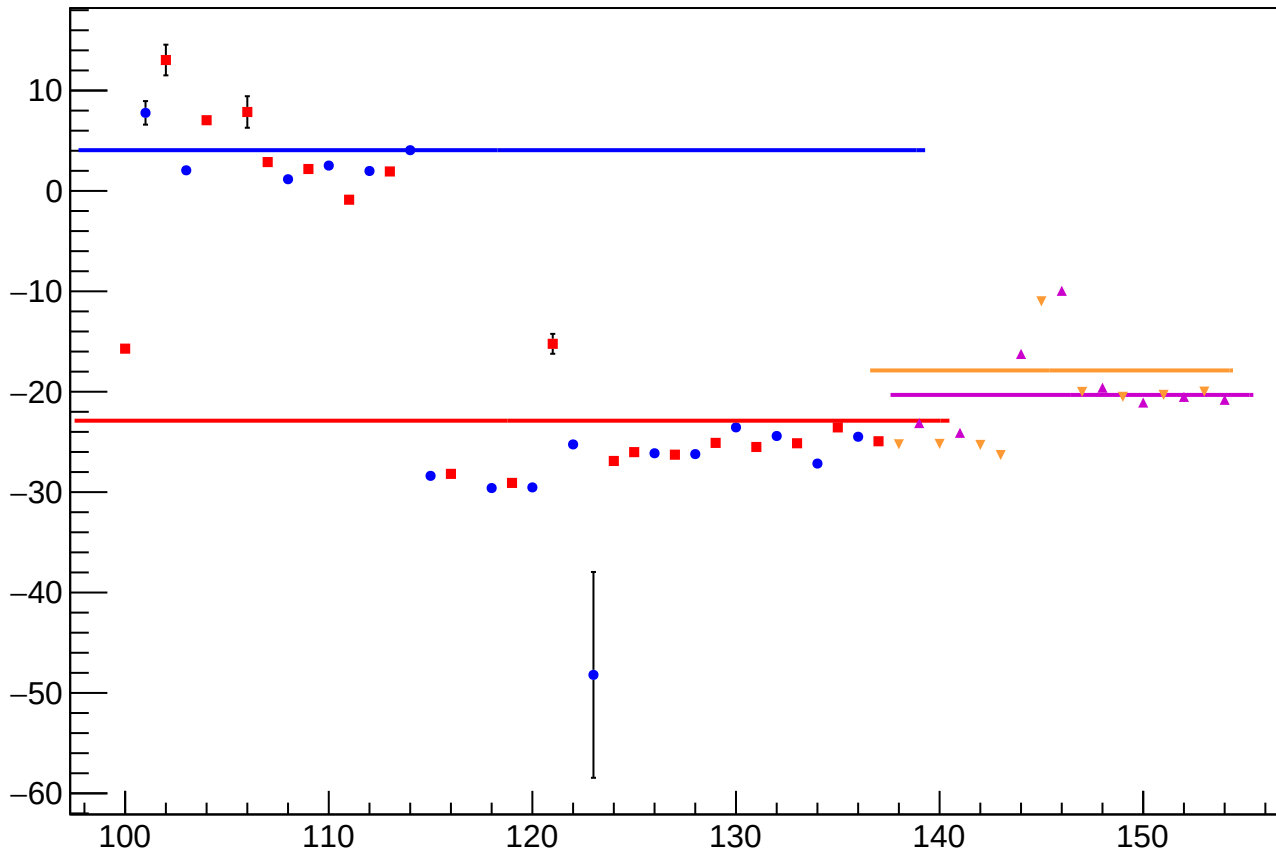
Right: 0.888 ± 0.000 χ^2/NDF : 422220530.0/35

In: 0.888 ± 0.000 χ^2/NDF : 14592.4/24

Out: -0.226 ± 0.000 χ^2/NDF : 38449.7/27

All: 0.888 ± 0.000 χ^2/NDF : 422233464.9/52

dit_sam4_4aY_slope vs Slug, Sign Corrected



Right In: 4.057 ± 0.000 $\chi^2/\text{NDF}: 1247888.2/16$

Left Out: -17.880 ± 0.021 $\chi^2/\text{NDF}: 72875.2/8$

Right Out: -22.885 ± 0.026 $\chi^2/\text{NDF}: 116508.9/18$

Left In: -20.317 ± 0.019 $\chi^2/\text{NDF}: 18174.2/7$

Left: -19.182 ± 0.014 $\chi^2/\text{NDF}: 98496.5/16$

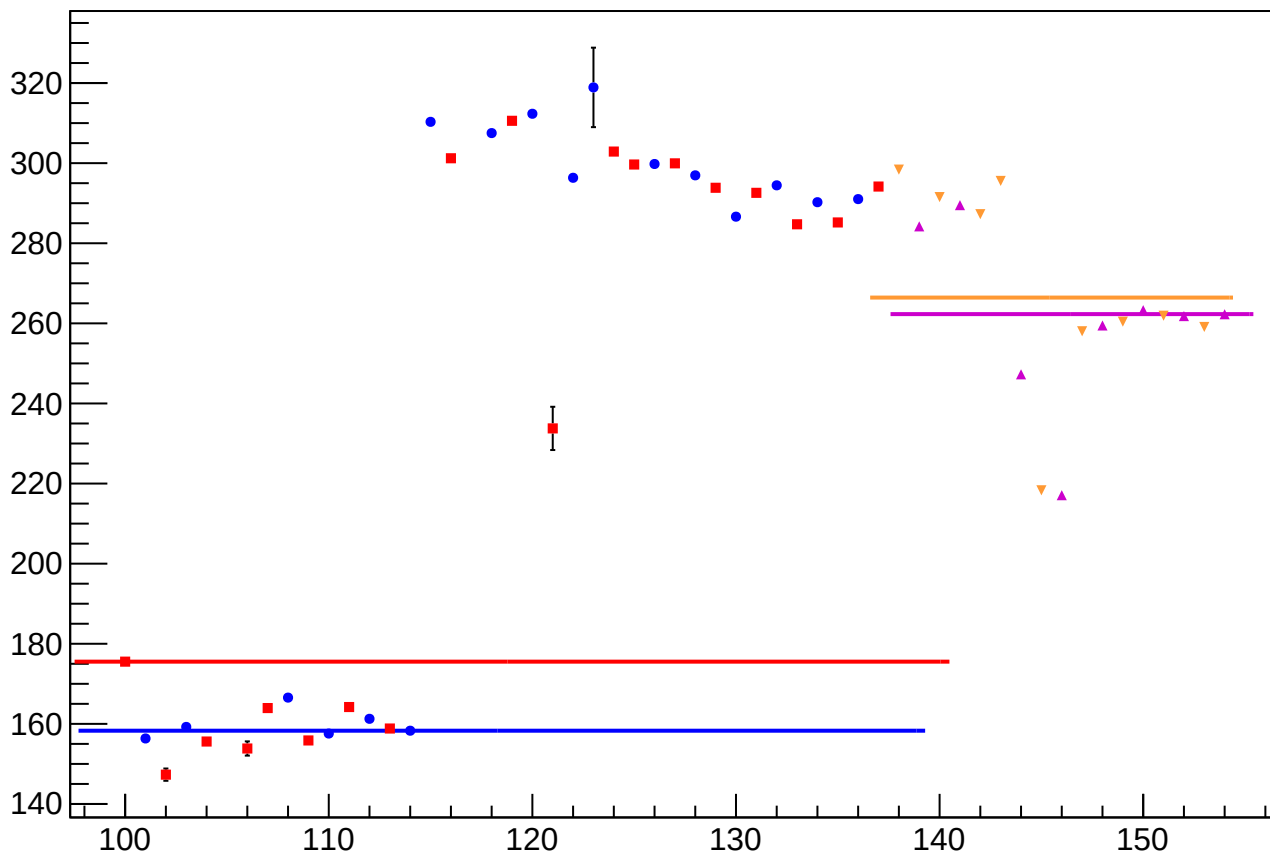
Right: 4.057 ± 0.000 $\chi^2/\text{NDF}: 2412173.4/35$

In: 4.057 ± 0.000 $\chi^2/\text{NDF}: 2864322.2/24$

Out: -19.786 ± 0.016 $\chi^2/\text{NDF}: 211774.0/27$

All: 4.057 ± 0.000 $\chi^2/\text{NDF}: 5230783.9/52$

dit_sam4_4eY_slope vs Slug, Sign Corrected



Right In: 158.293+/-0.000 χ^2/NDF : 2410913.3/16

Left Out: 266.438+/-0.051 χ^2/NDF :179902.5/8

Right Out: 175.536+/-0.000 χ^2/NDF : 2100196.2/18

Left In: 262.309+/-0.041 χ^2/NDF :36875.6/7

Left: 263.957+/-0.032 χ^2/NDF : 220759.9/16

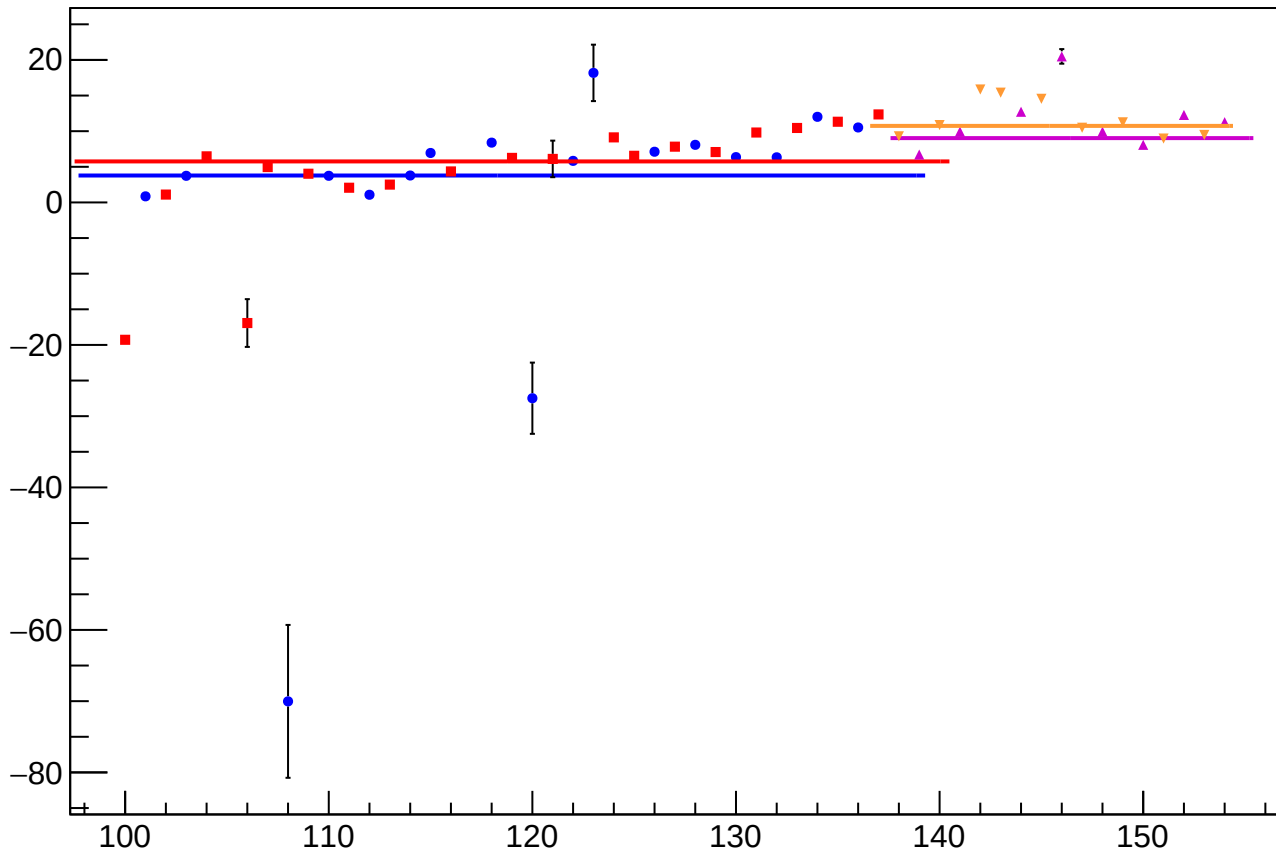
Right: 172.618+/-0.000 χ^2/NDF : 373727491225928

In: 158.293+/-0.000 χ^2/NDF :8779504.2/24

Out: 175.536+/-0.000 χ^2/NDF :5492407.1/27

All: 172.618+/-0.000 χ^2/NDF : 373727491225

dit_sam5_4aX_slope vs Slug, Sign Corrected



Right In: 3.778 $\pm$ 0.000 χ^2 /NDF: 6871.4/16

Left Out: 10.743 $\pm$ 0.042 χ^2 /NDF:1356.1/8

Right Out: 5.756 $\pm$ 0.026 χ^2 /NDF: 22291.6/18

Left In: 9.027 $\pm$ 0.041 χ^2 /NDF:2181.7/7

Left: 9.881 $\pm$ 0.029 χ^2 /NDF: 4394.7/16

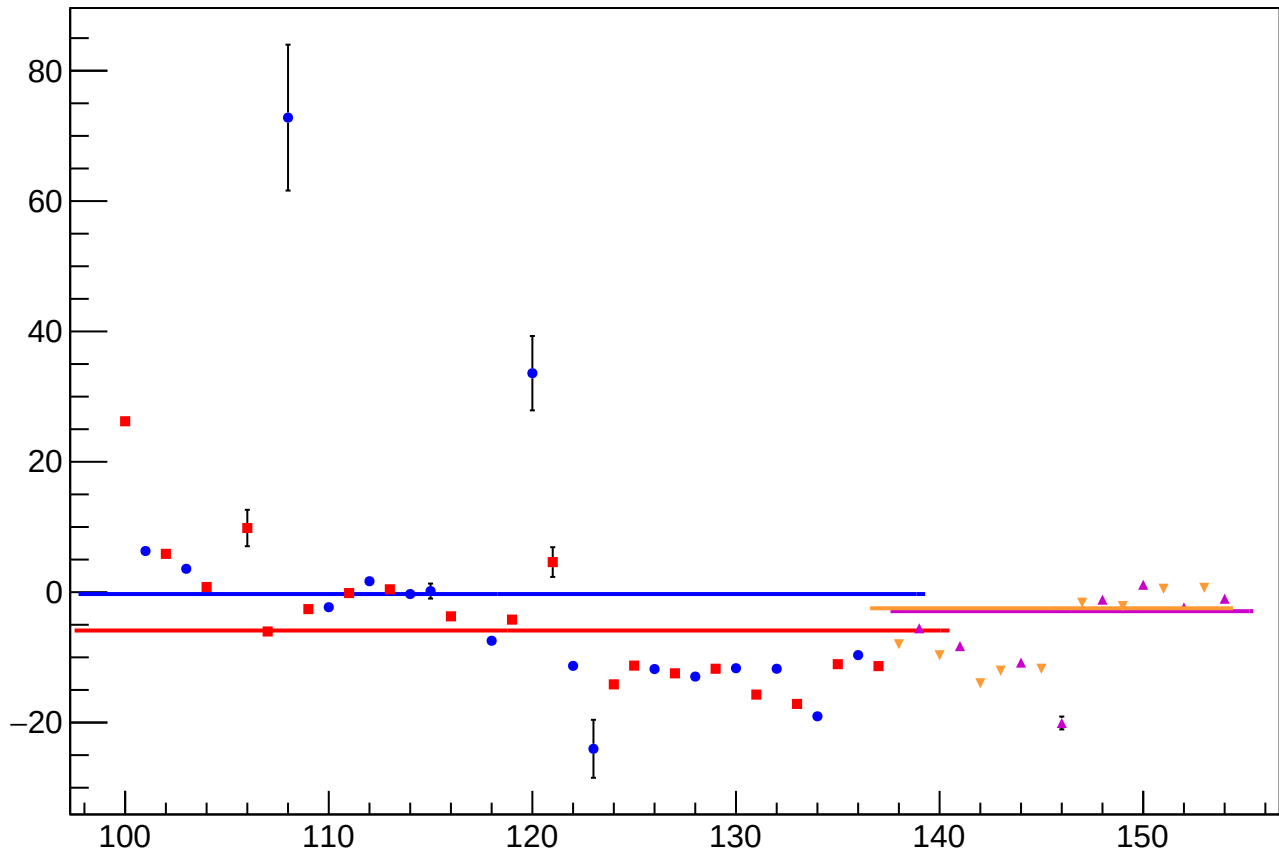
Right: 3.778 $\pm$ 0.000 χ^2 /NDF: 35056.1/35

In: 3.778 $\pm$ 0.000 χ^2 /NDF:25176.6/24

Out: 7.141 $\pm$ 0.022 χ^2 /NDF:34061.2/27

All: 3.778 $\pm$ 0.000 χ^2 /NDF: 82838.8/52

dit_sam5_4eX_slope vs Slug, Sign Corrected



Right In: -0.287 ± 0.000 $\chi^2/\text{NDF}: 44276.5/16$

Left Out: -2.472 ± 0.041 $\chi^2/\text{NDF}: 7822.6/8$

Right Out: -5.882 ± 0.027 $\chi^2/\text{NDF}: 63493.9/18$

Left In: -2.916 ± 0.042 $\chi^2/\text{NDF}: 9486.4/7$

Left: -2.689 ± 0.029 $\chi^2/\text{NDF}: 17366.2/16$

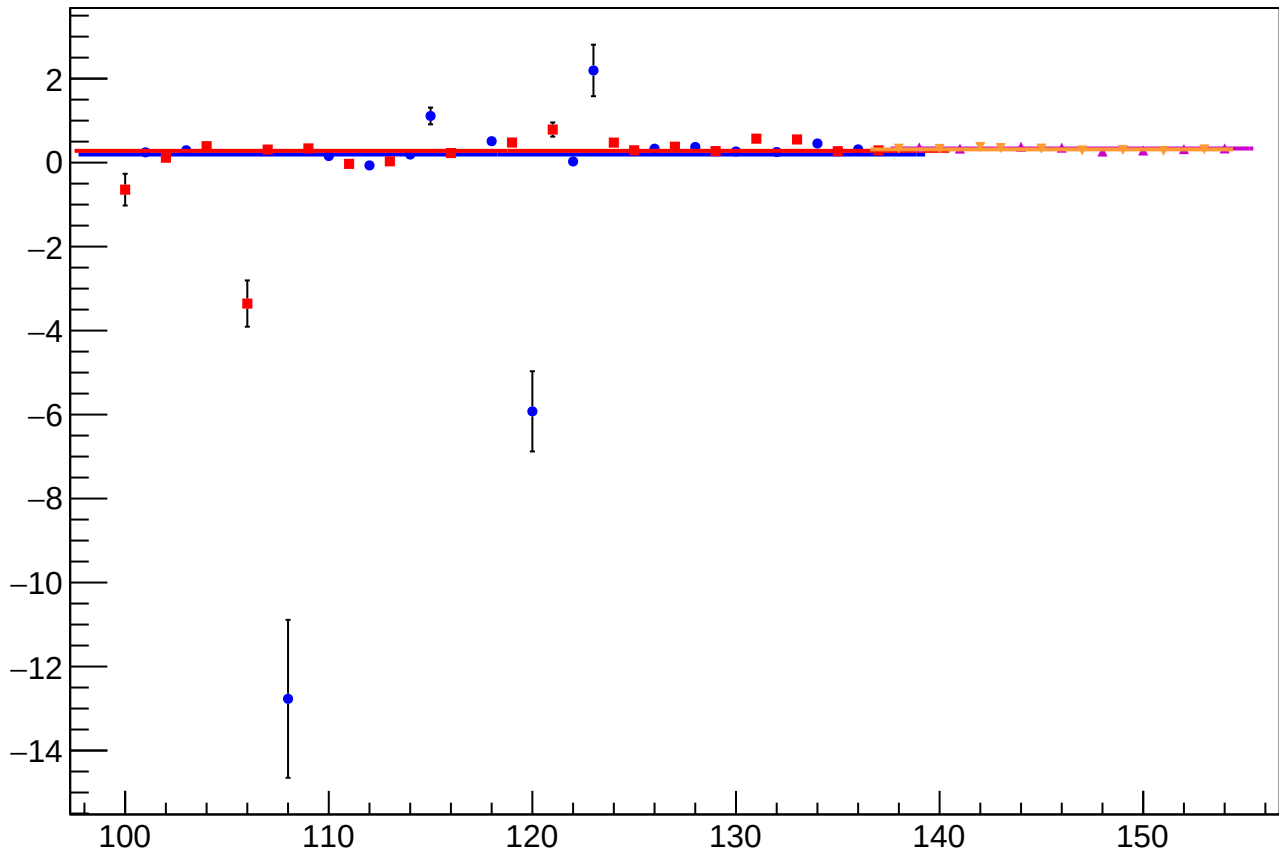
Right: -0.287 ± 0.000 $\chi^2/\text{NDF}: 150060.6/35$

In: -0.287 ± 0.000 $\chi^2/\text{NDF}: 57688.8/24$

Out: -4.841 ± 0.023 $\chi^2/\text{NDF}: 76112.9/27$

All: -0.287 ± 0.000 $\chi^2/\text{NDF}: 174130.6/52$

dit_sam5_11X12X_slope vs Slug, Sign Corrected



Right In: 0.193 $\pm$ 0.000 χ^2 /NDF: 10027.5/16

Left Out: 0.315 $\pm$ 0.001 χ^2 /NDF:792.7/8

Right Out: 0.280 $\pm$ 0.001 χ^2 /NDF: 6059.0/18

Left In: 0.336 $\pm$ 0.001 χ^2 /NDF:2123.9/7

Left: 0.325 $\pm$ 0.001 χ^2 /NDF: 3271.6/16

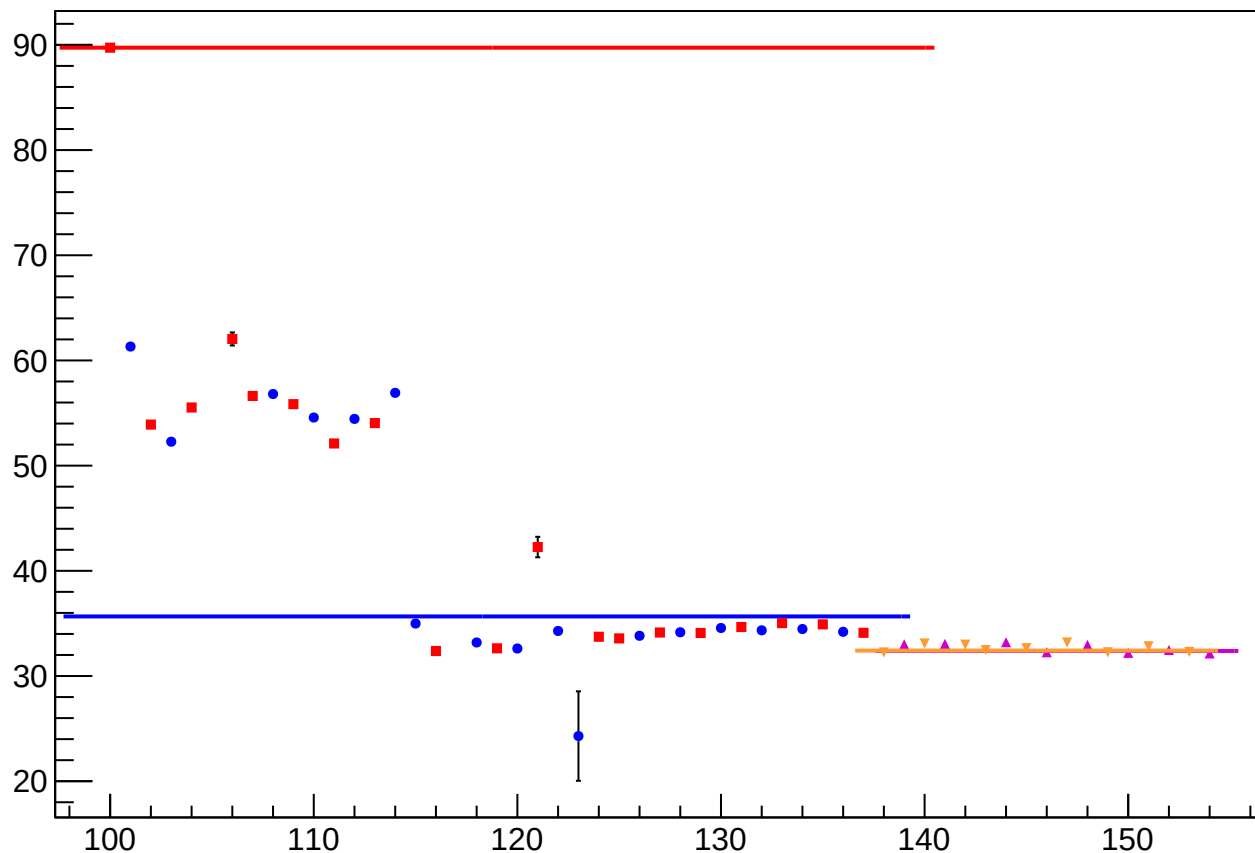
Right: 0.193 $\pm$ 0.000 χ^2 /NDF: 19578.7/35

In: 0.193 $\pm$ 0.000 χ^2 /NDF:43168.4/24

Out: 0.307 $\pm$ 0.001 χ^2 /NDF:7270.2/27

All: 0.193 $\pm$ 0.000 χ^2 /NDF: 77137.9/52

dit_sam5_4aY_slope vs Slug, Sign Corrected



Right In: 35.664 $\pm$ 0.011 χ^2 /NDF: 218662.5/16

Left Out: 32.416 $\pm$ 0.006 χ^2 /NDF:1938.0/8

Right Out: 89.735 $\pm$ 0.000 χ^2 /NDF: 25801560.6/18

Left In: 32.381 $\pm$ 0.006 χ^2 /NDF:3370.3/7

Left: 32.397 $\pm$ 0.004 χ^2 /NDF: 5325.6/16

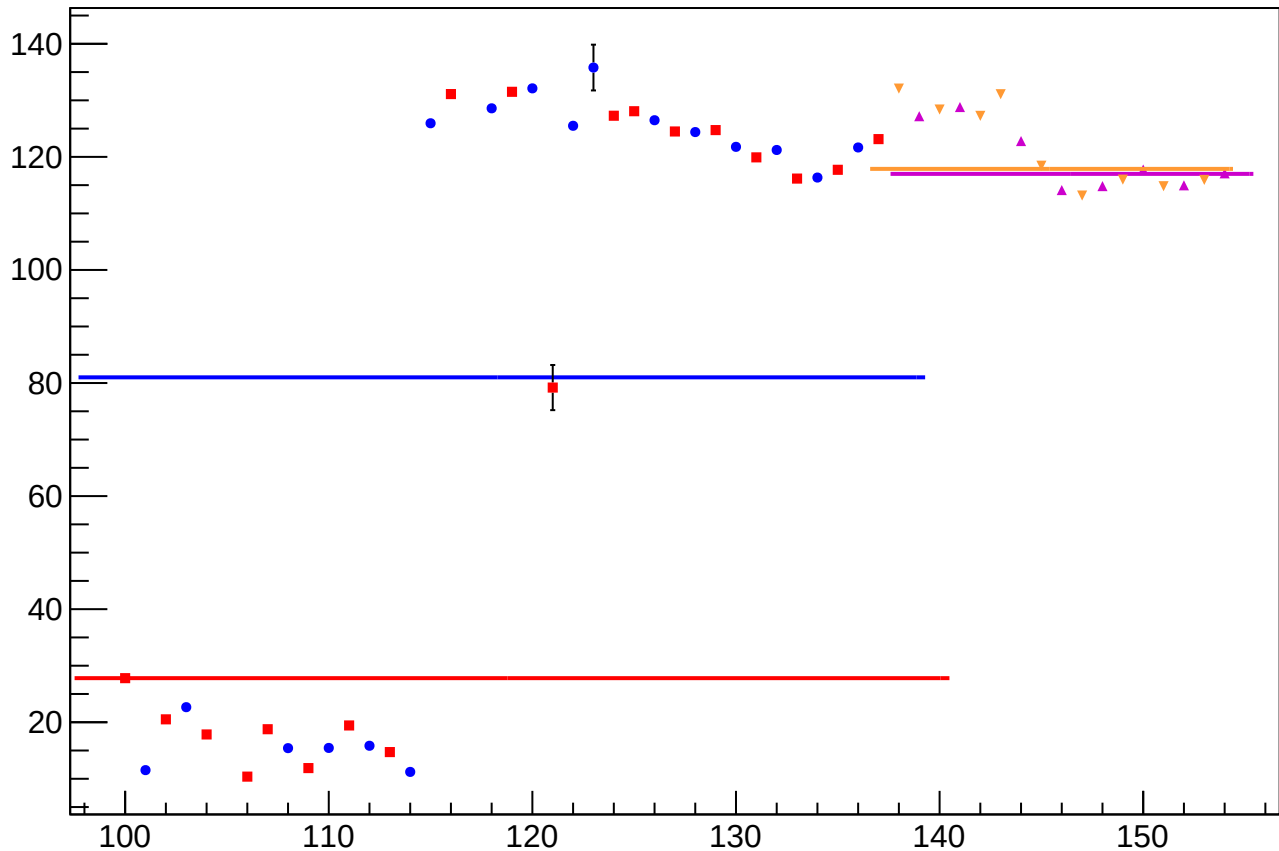
Right: 89.735 $\pm$ 0.000 χ^2 /NDF: 48650023.7/35

In: 33.031 $\pm$ 0.005 χ^2 /NDF:288927.4/24

Out: 89.735 $\pm$ 0.000 χ^2 /NDF:113717979.3/27

All: 89.735 $\pm$ 0.000 χ^2 /NDF: 239720350.7/52

dit_sam5_4eY_slope vs Slug, Sign Corrected



Right In: 81.005 $\pm$ 0.035 χ^2 /NDF: 2228881.4/16

Left Out: 117.878 $\pm$ 0.014 χ^2 /NDF:127428.7/8

Right Out: 27.798 $\pm$ 0.000 χ^2 /NDF: 9183707.8/18

Left In: 116.993 $\pm$ 0.012 χ^2 /NDF:37691.2/7

Left: 117.347 $\pm$ 0.009 χ^2 /NDF: 167369.0/16

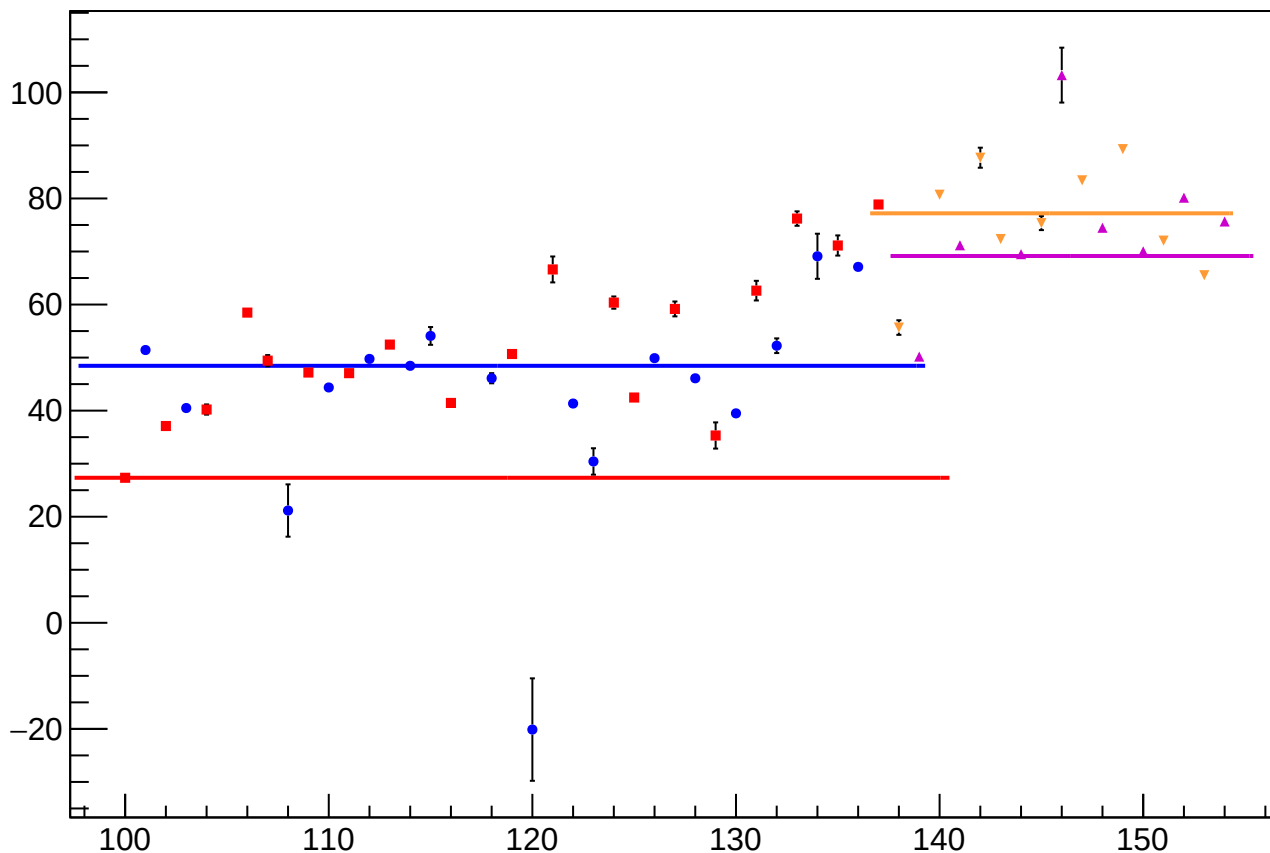
Right: 27.798 $\pm$ 0.000 χ^2 /NDF: 13786729.0/35

In: 113.230 $\pm$ 0.011 χ^2 /NDF:3239124.4/24

Out: 27.798 $\pm$ 0.000 χ^2 /NDF:48109391.9/27

All: 27.798 $\pm$ 0.000 χ^2 /NDF: 109886312.5/52

dit_sam6_4aX_slope vs Slug, Sign Corrected



Right In: 48.450+/-0.000 χ^2 /NDF: 2751.4/16

Left Out: 77.198+/-0.271 χ^2 /NDF:999.4/8

Right Out: 27.342+/-0.000 χ^2 /NDF: 25810.4/18

Left In: 69.153+/-0.208 χ^2 /NDF:1985.6/7

Left: 72.141+/-0.165 χ^2 /NDF: 3538.2/16

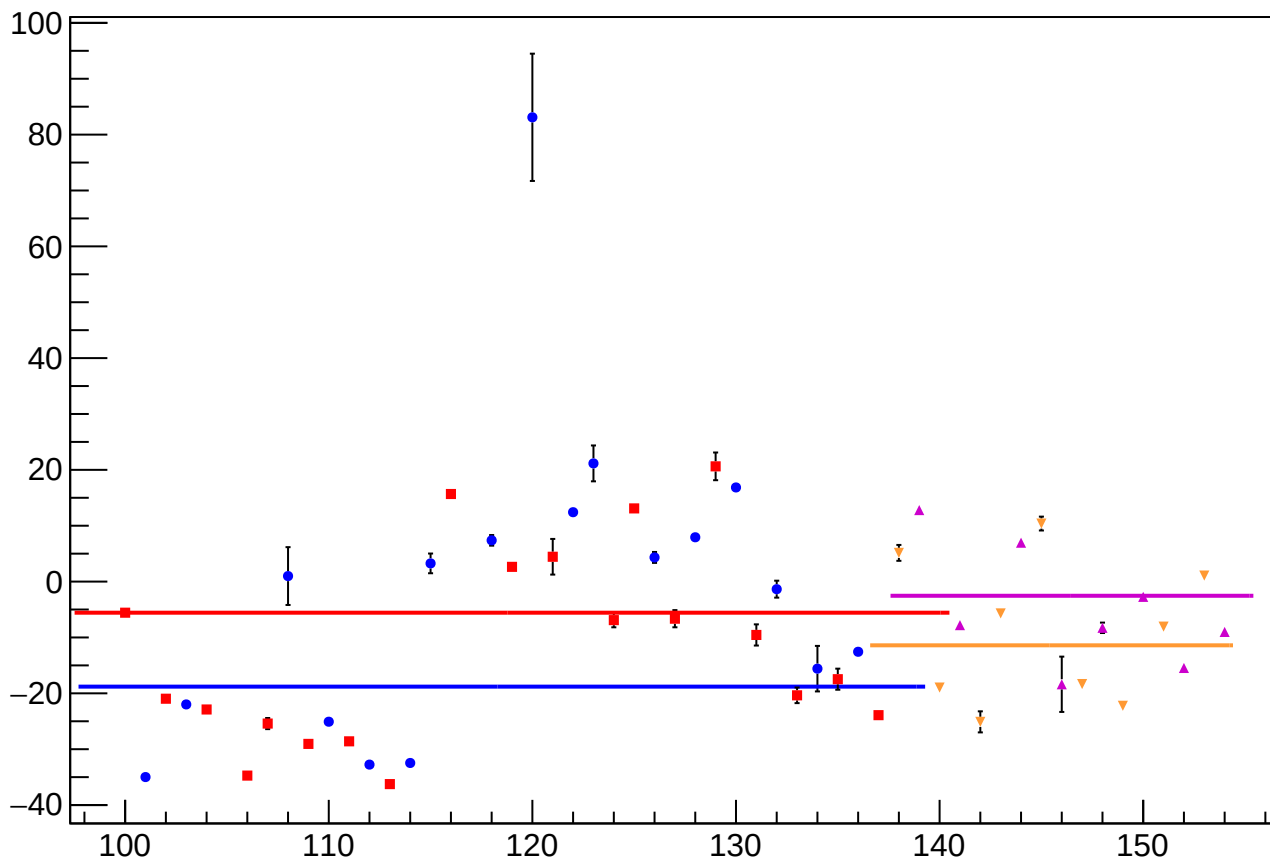
Right: 28.365+/-0.000 χ^2 /NDF: 1026290104888328

In: 48.450+/-0.000 χ^2 /NDF:14601.8/24

Out: 27.342+/-0.000 χ^2 /NDF:60613.5/27

All: 28.365+/-0.000 χ^2 /NDF: 1026290104888

dit_sam6_4eX_slope vs Slug, Sign Corrected



Right In: -18.800 ± 0.148 $\chi^2/\text{NDF}: 11764.7/16$

Left Out: -11.406 ± 0.267 $\chi^2/\text{NDF}: 1278.5/8$

Right Out: -5.568 ± 0.000 $\chi^2/\text{NDF}: 23097.3/18$

Left In: -2.538 ± 0.205 $\chi^2/\text{NDF}: 1917.0/7$

Left: -5.820 ± 0.163 $\chi^2/\text{NDF}: 3888.7/16$

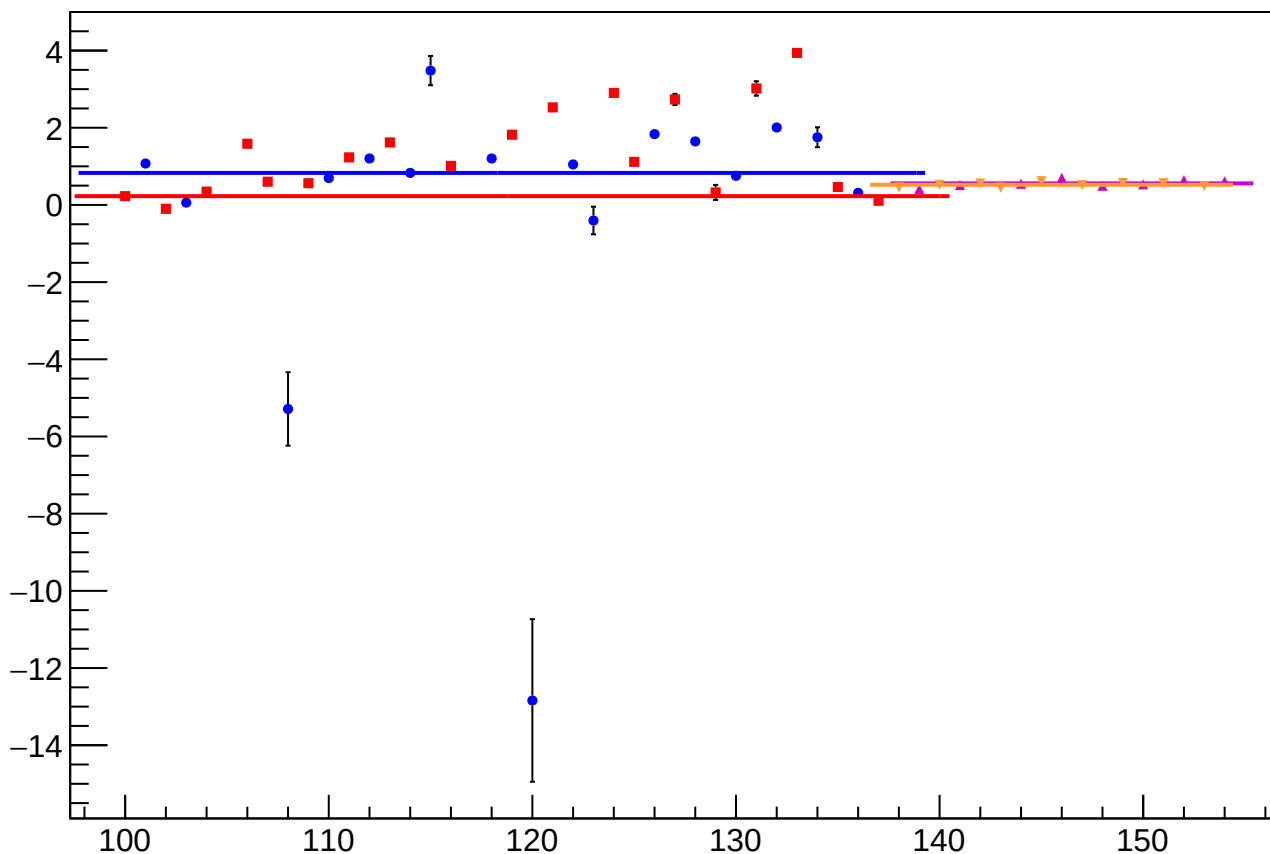
Right: -5.568 ± 0.000 $\chi^2/\text{NDF}: 42808.5/35$

In: -13.204 ± 0.120 $\chi^2/\text{NDF}: 17812.1/24$

Out: -5.568 ± 0.000 $\chi^2/\text{NDF}: 24852.8/27$

All: -5.568 ± 0.000 $\chi^2/\text{NDF}: 46699.6/52$

dit_sam6_11X12X_slope vs Slug, Sign Corrected



Right In: 0.830+/-0.000 χ^2/NDF : 14882.7/16

Left Out: 0.522+/-0.002 χ^2/NDF : 654.6/8

Right Out: 0.227+/-0.000 χ^2/NDF : 11819.9/18

Left In: 0.559+/-0.002 χ^2/NDF : 1858.4/7

Left: 0.542+/-0.001 χ^2/NDF : 2745.4/16

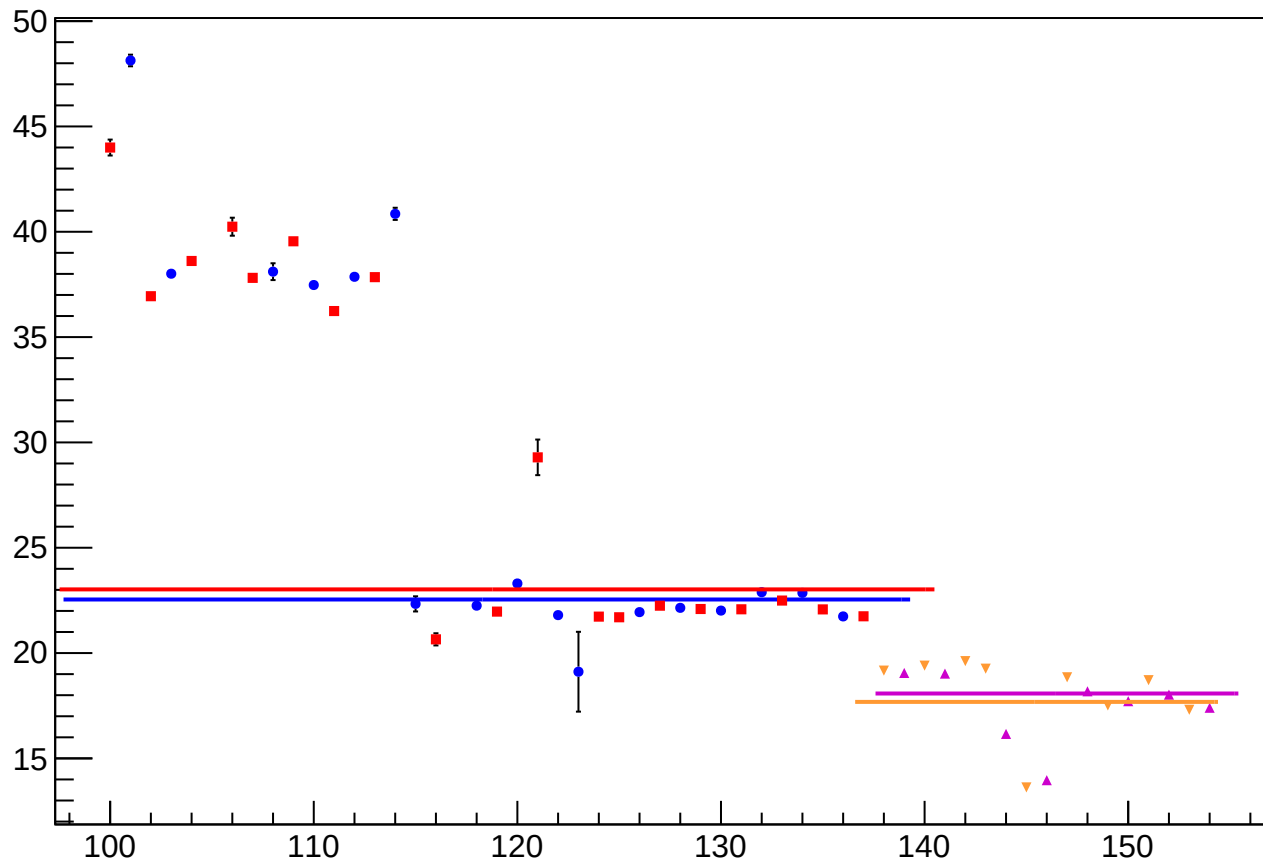
Right: 0.289+/-0.000 χ^2/NDF : 29066082561457147

In: 0.830+/-0.000 χ^2/NDF : 44895.3/24

Out: 0.227+/-0.000 χ^2/NDF : 40074.4/27

All: 0.289+/-0.000 χ^2/NDF : 29066082561457

dit_sam6_4aY_slope vs Slug, Sign Corrected



Right In: 22.543 $\pm$ 0.009 χ^2/NDF : 105452.8/16

Left Out: 17.682 $\pm$ 0.008 χ^2/NDF : 69114.2/8

Right Out: 23.023 $\pm$ 0.009 χ^2/NDF : 165838.0/18

Left In: 18.080 $\pm$ 0.010 χ^2/NDF : 9809.8/7

Left: 17.850 $\pm$ 0.006 χ^2/NDF : 79897.6/16

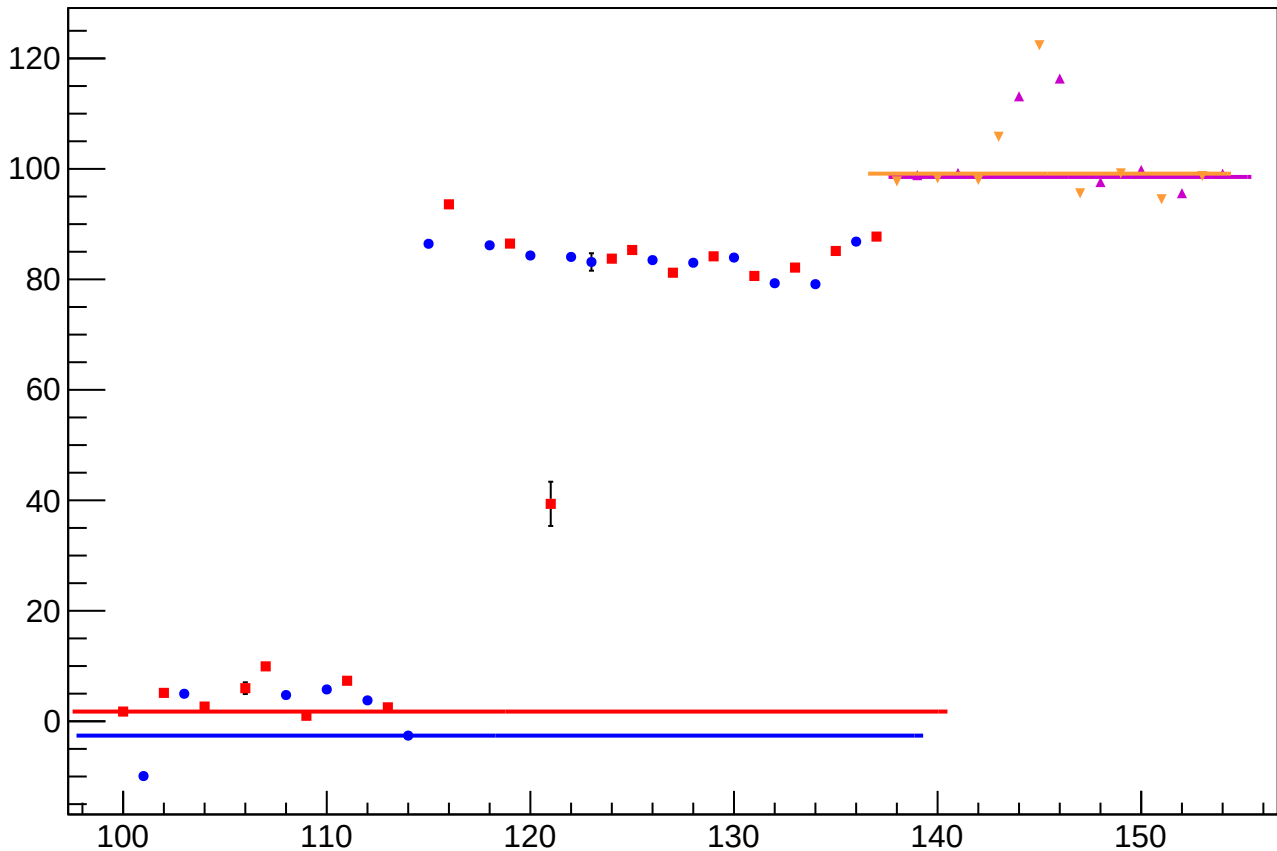
Right: 22.790 $\pm$ 0.006 χ^2/NDF : 272655.1/35

In: 20.404 $\pm$ 0.007 χ^2/NDF : 225394.7/24

Out: 20.120 $\pm$ 0.006 χ^2/NDF : 424417.0/27

All: 20.248 $\pm$ 0.005 χ^2/NDF : 650791.7/52

dit_sam6_4eY_slope vs Slug, Sign Corrected



Right In: -2.596+/-0.000 χ^2/NDF : 7395182.7/16

Left Out: 99.142+/-0.016 χ^2/NDF : 67751.8/8

Right Out: 1.758+/-0.000 χ^2/NDF : 4230949.4/18

Left In: 98.544+/-0.015 χ^2/NDF : 16113.9/7

Left: 98.829+/-0.011 χ^2/NDF : 84623.8/16

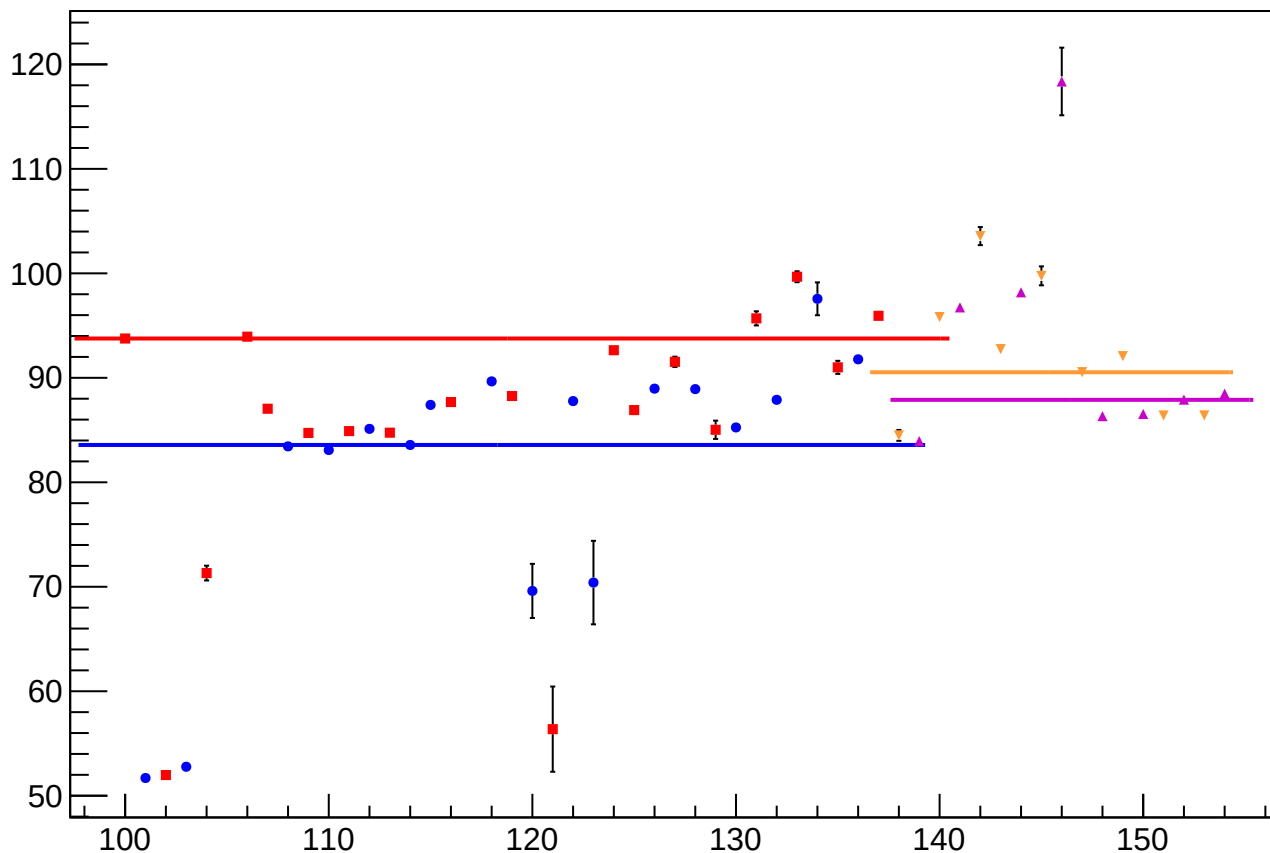
Right: -1.059+/-0.000 χ^2/NDF : 3731791751577379

In: -2.596+/-0.000 χ^2/NDF : 52987839.8/24

Out: 1.758+/-0.000 χ^2/NDF : 42611137.6/27

All: -1.059+/-0.000 χ^2/NDF : 3731791751577

dit_sam7_4aX_slope vs Slug, Sign Corrected



Right In: 83.573+/-0.000 χ^2/NDF : 49468.0/16

Left Out: 90.531+/-0.108 χ^2/NDF :1356.0/8

Right Out: 93.762+/-0.000 χ^2/NDF : 82848.8/18

Left In: 87.892+/-0.080 χ^2/NDF :2264.9/7

Left: 88.834+/-0.064 χ^2/NDF : 4006.7/16

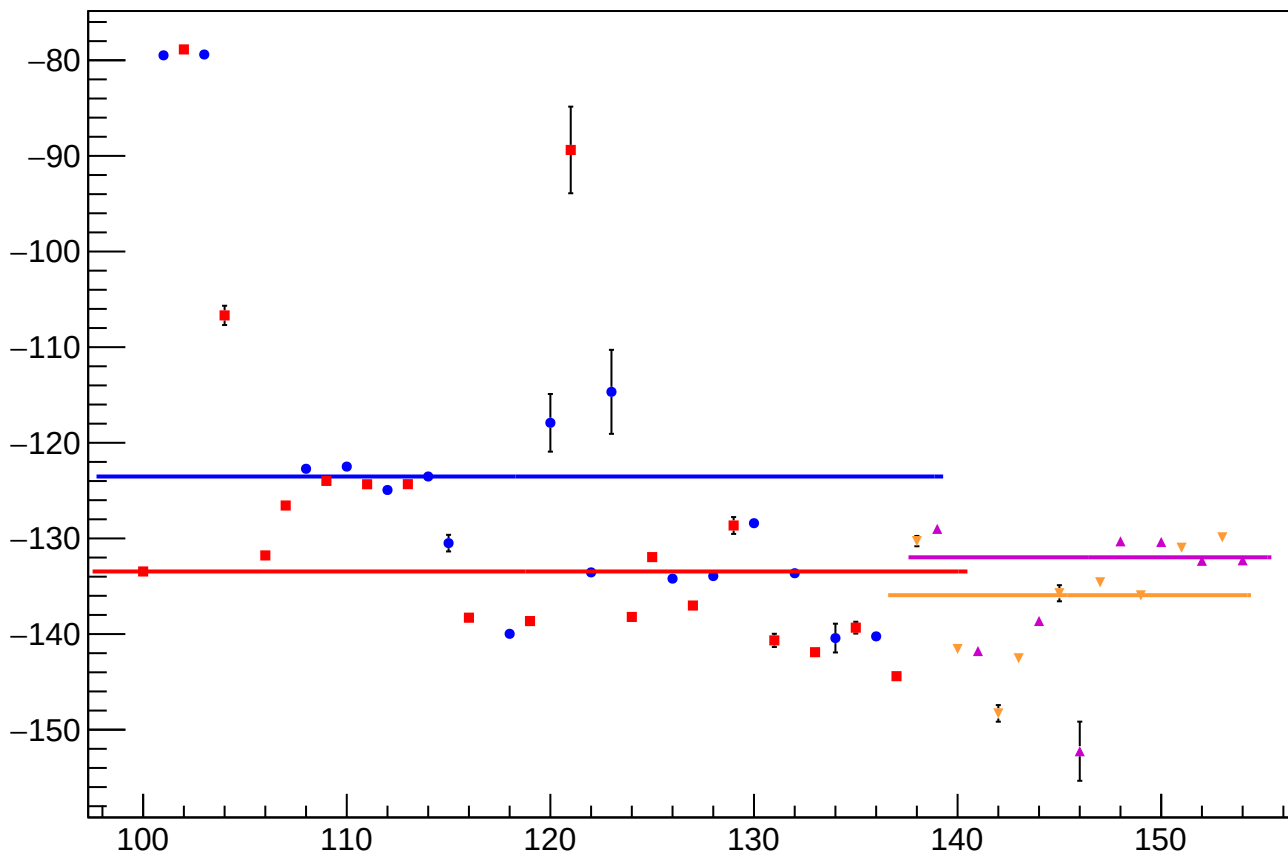
Right: 87.169+/-0.000 χ^2/NDF : 1995684404141260

In: 83.573+/-0.000 χ^2/NDF :54629.0/24

Out: 93.762+/-0.000 χ^2/NDF :85104.1/27

All: 87.169+/-0.000 χ^2/NDF : 1995684404141

dit_sam7_4eX_slope vs Slug, Sign Corrected



Right In: -123.524 ± 0.000 $\chi^2/\text{NDF}: 160356.5/16$

Left Out: -135.936 ± 0.107 $\chi^2/\text{NDF}: 2211.0/8$

Right Out: -133.456 ± 0.000 $\chi^2/\text{NDF}: 394896.3/18$

Left In: -131.974 ± 0.078 $\chi^2/\text{NDF}: 1902.2/7$

Left: -133.347 ± 0.063 $\chi^2/\text{NDF}: 5002.5/16$

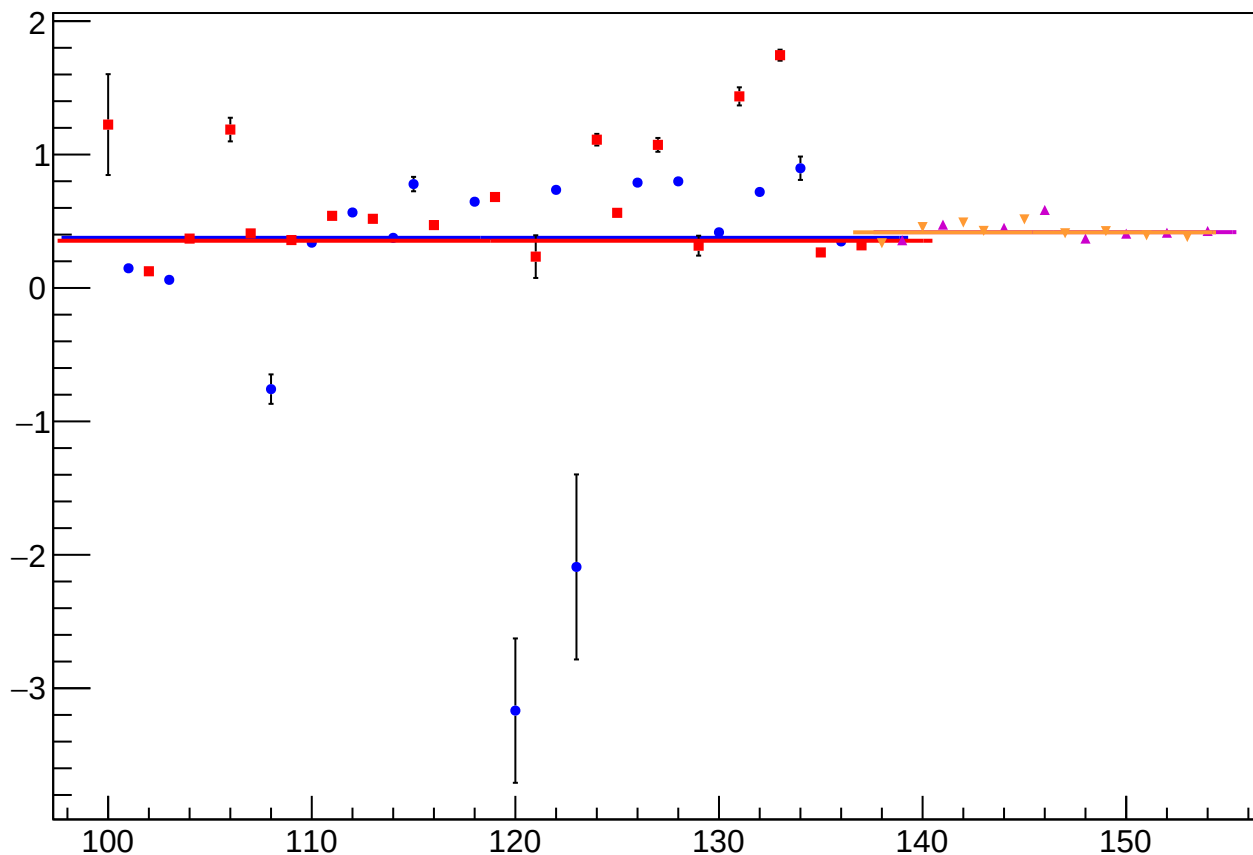
Right: -124.716 ± 0.000 $\chi^2/\text{NDF}: 64467869901657$

In: -123.524 ± 0.000 $\chi^2/\text{NDF}: 173935.6/24$

Out: -133.456 ± 0.000 $\chi^2/\text{NDF}: 397640.5/27$

All: -124.716 ± 0.000 $\chi^2/\text{NDF}: 64467869901$

dit_sam7_11X12X_slope vs Slug, Sign Corrected



Right In: 0.376 $\pm$ 0.000 χ^2 /NDF: 3961.7/16

Left Out: 0.417 $\pm$ 0.001 χ^2 /NDF:984.4/8

Right Out: 0.354 $\pm$ 0.002 χ^2 /NDF: 4592.7/18

Left In: 0.418 $\pm$ 0.001 χ^2 /NDF:2953.6/7

Left: 0.418 $\pm$ 0.000 χ^2 /NDF: 3939.6/16

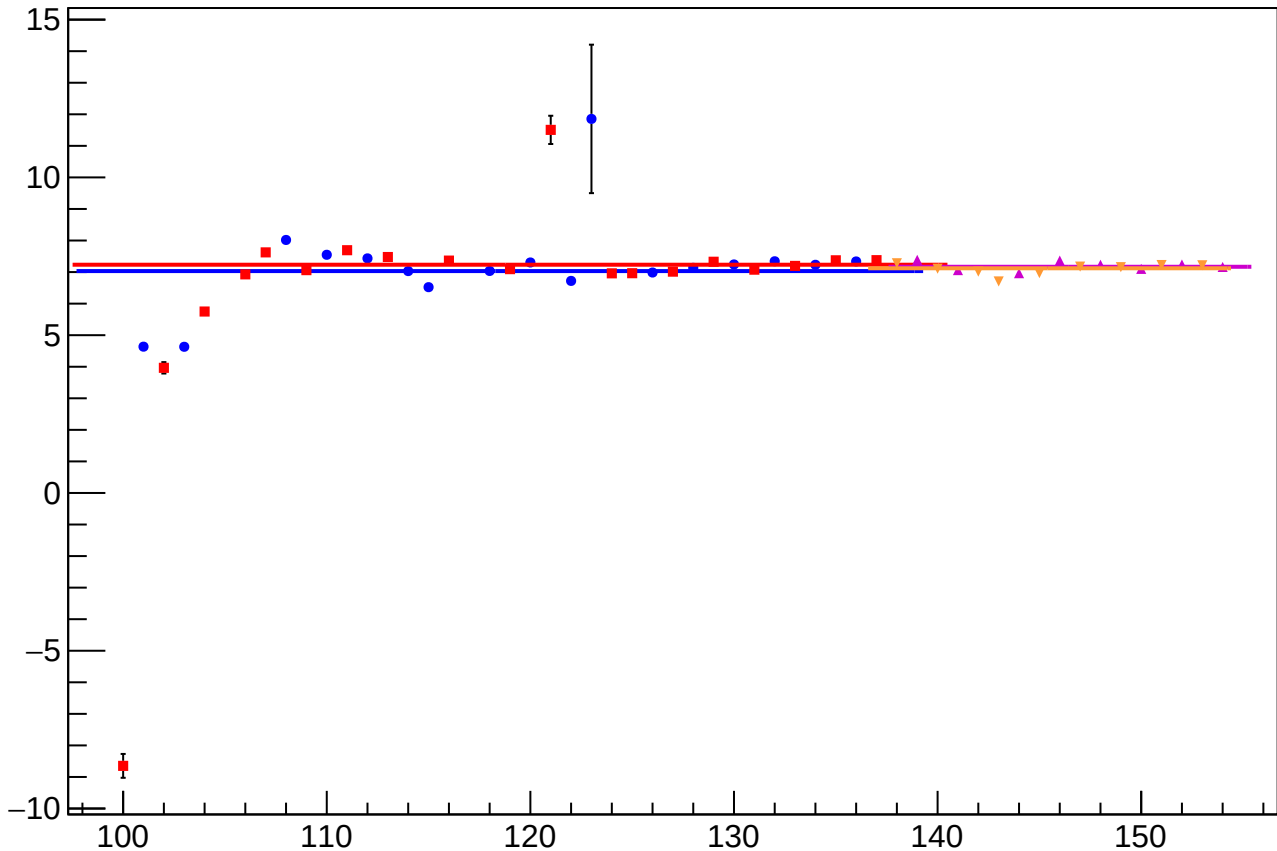
Right: 0.376 $\pm$ 0.000 χ^2 /NDF: 8762.1/35

In: 0.376 $\pm$ 0.000 χ^2 /NDF:11583.0/24

Out: 0.403 $\pm$ 0.001 χ^2 /NDF:6932.2/27

All: 0.376 $\pm$ 0.000 χ^2 /NDF: 19961.3/52

dit_sam7_4aY_slope vs Slug, Sign Corrected



Right In: 7.032 $\pm$ 0.000 χ^2 /NDF: 19770.1/16

Left Out: 7.120 $\pm$ 0.001 χ^2 /NDF: 14118.1/8

Right Out: 7.233 $\pm$ 0.002 χ^2 /NDF: 10061.8/18

Left In: 7.168 $\pm$ 0.001 χ^2 /NDF: 7316.4/7

Left: 7.145 $\pm$ 0.001 χ^2 /NDF: 22087.0/16

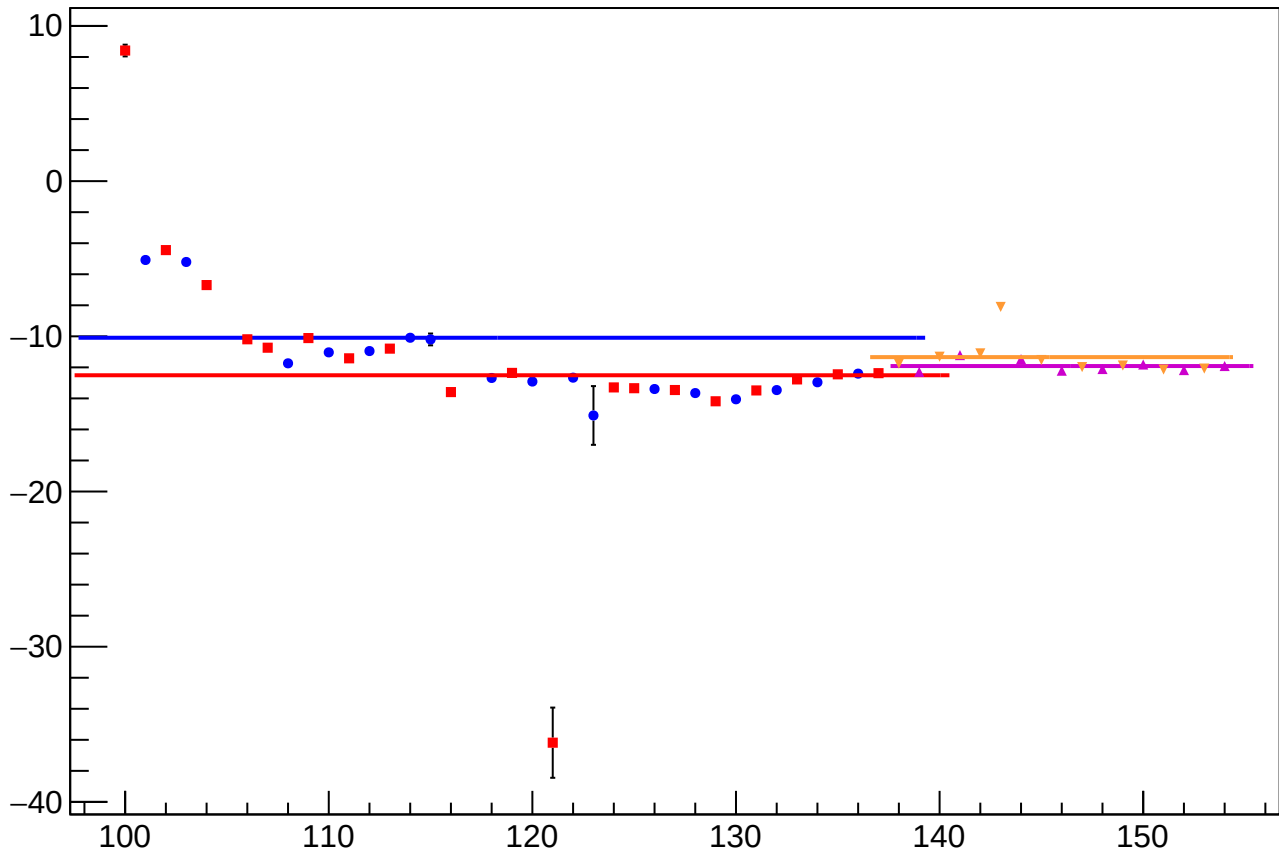
Right: 7.032 $\pm$ 0.000 χ^2 /NDF: 36990.7/35

In: 7.032 $\pm$ 0.000 χ^2 /NDF: 38095.7/24

Out: 7.148 $\pm$ 0.001 χ^2 /NDF: 25878.7/27

All: 7.032 $\pm$ 0.000 χ^2 /NDF: 73715.3/52

dit_sam7_4eY_slope vs Slug, Sign Corrected



Right In: -10.092 ± 0.000 χ^2/NDF : 543504.2/16

Left Out: -11.340 ± 0.002 χ^2/NDF : 356229.8/8

Right Out: -12.509 ± 0.004 χ^2/NDF : 103509.4/18

Left In: -11.915 ± 0.003 χ^2/NDF : 9564.8/7

Left: -11.579 ± 0.002 χ^2/NDF : 389016.1/16

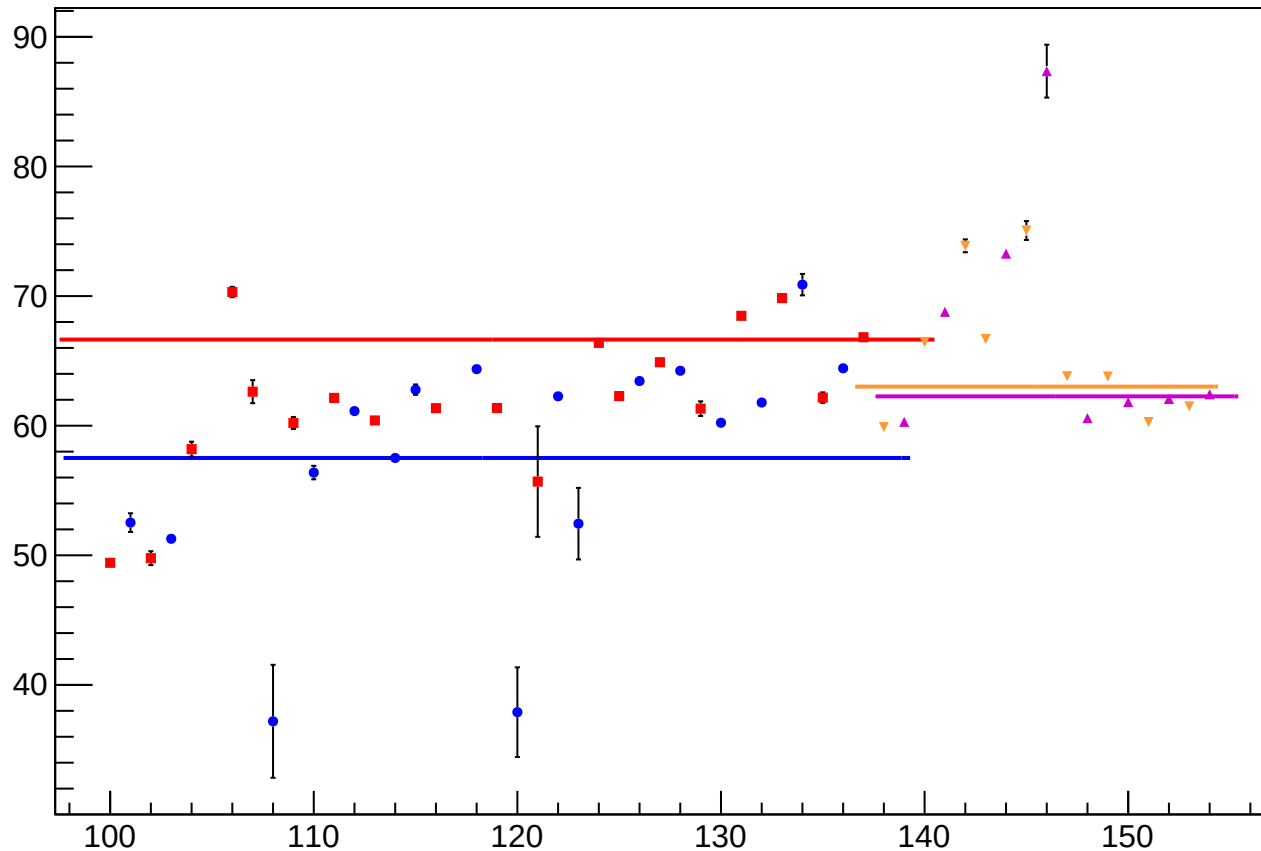
Right: -10.092 ± 0.000 χ^2/NDF : 1062248.5/35

In: -10.092 ± 0.000 χ^2/NDF : 953375.0/24

Out: -11.686 ± 0.002 χ^2/NDF : 528072.5/27

All: -10.092 ± 0.000 χ^2/NDF : 2090706.9/52

dit_sam8_4aX_slope vs Slug, Sign Corrected



Right In: 57.510 $\pm$ 0.000 χ^2 /NDF: 8108.6/16

Left Out: 63.015 $\pm$ 0.063 χ^2 /NDF:2293.3/8

Right Out: 66.645 $\pm$ 0.013 χ^2 /NDF: 8163.8/18

Left In: 62.262 $\pm$ 0.049 χ^2 /NDF:2553.8/7

Left: 62.546 $\pm$ 0.039 χ^2 /NDF: 4935.2/16

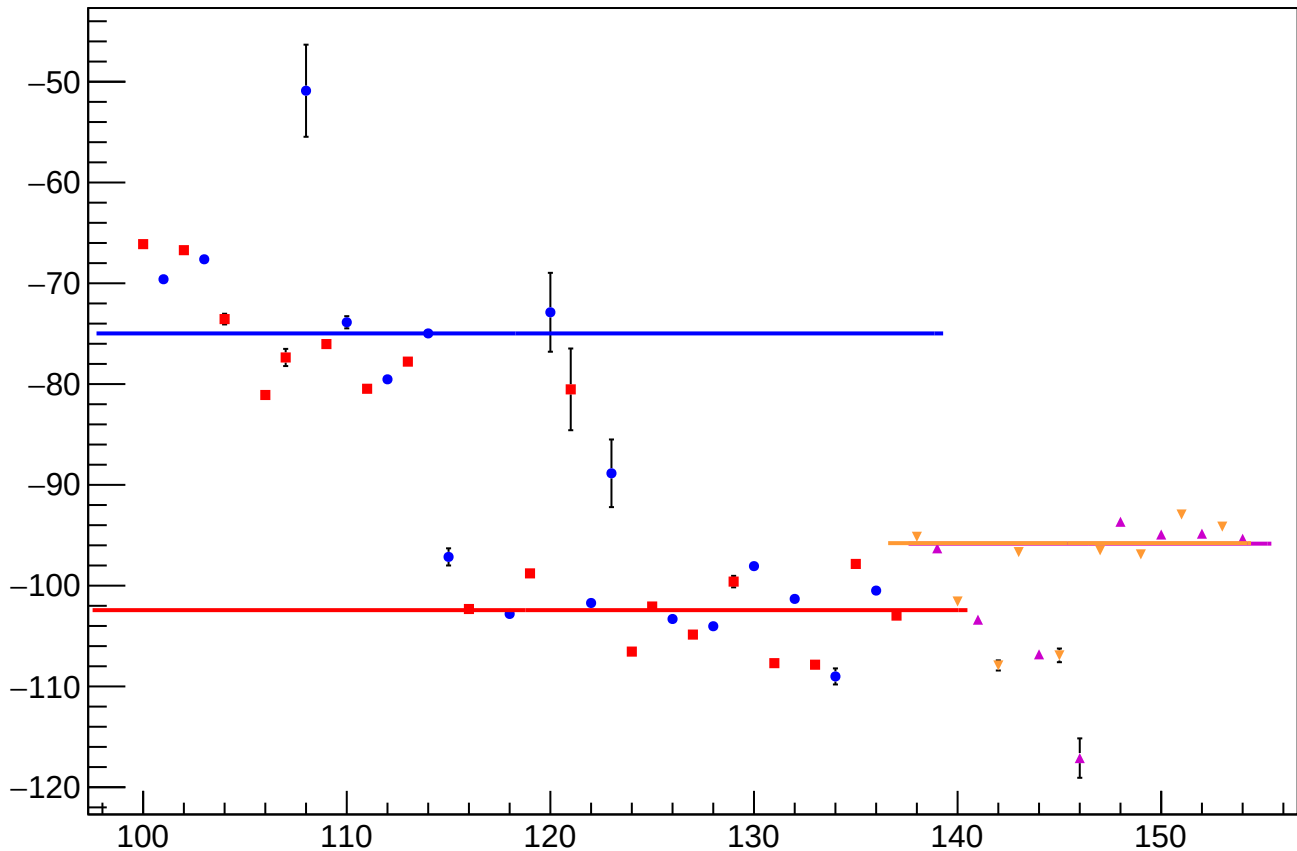
Right: 57.510 $\pm$ 0.000 χ^2 /NDF: 504438.3/35

In: 57.510 $\pm$ 0.000 χ^2 /NDF:19958.4/24

Out: 66.496 $\pm$ 0.013 χ^2 /NDF:13606.9/27

All: 57.510 $\pm$ 0.000 χ^2 /NDF: 526137.6/52

dit_sam8_4eX_slope vs Slug, Sign Corrected



Right In: -74.974 ± 0.000 $\chi^2/\text{NDF}: 130544.0/16$

Left Out: -95.782 ± 0.064 $\chi^2/\text{NDF}: 2298.5/8$

Right Out: -102.430 ± 0.018 $\chi^2/\text{NDF}: 50377.5/18$

Left In: -95.834 ± 0.050 $\chi^2/\text{NDF}: 2908.3/7$

Left: -95.814 ± 0.040 $\chi^2/\text{NDF}: 5207.2/16$

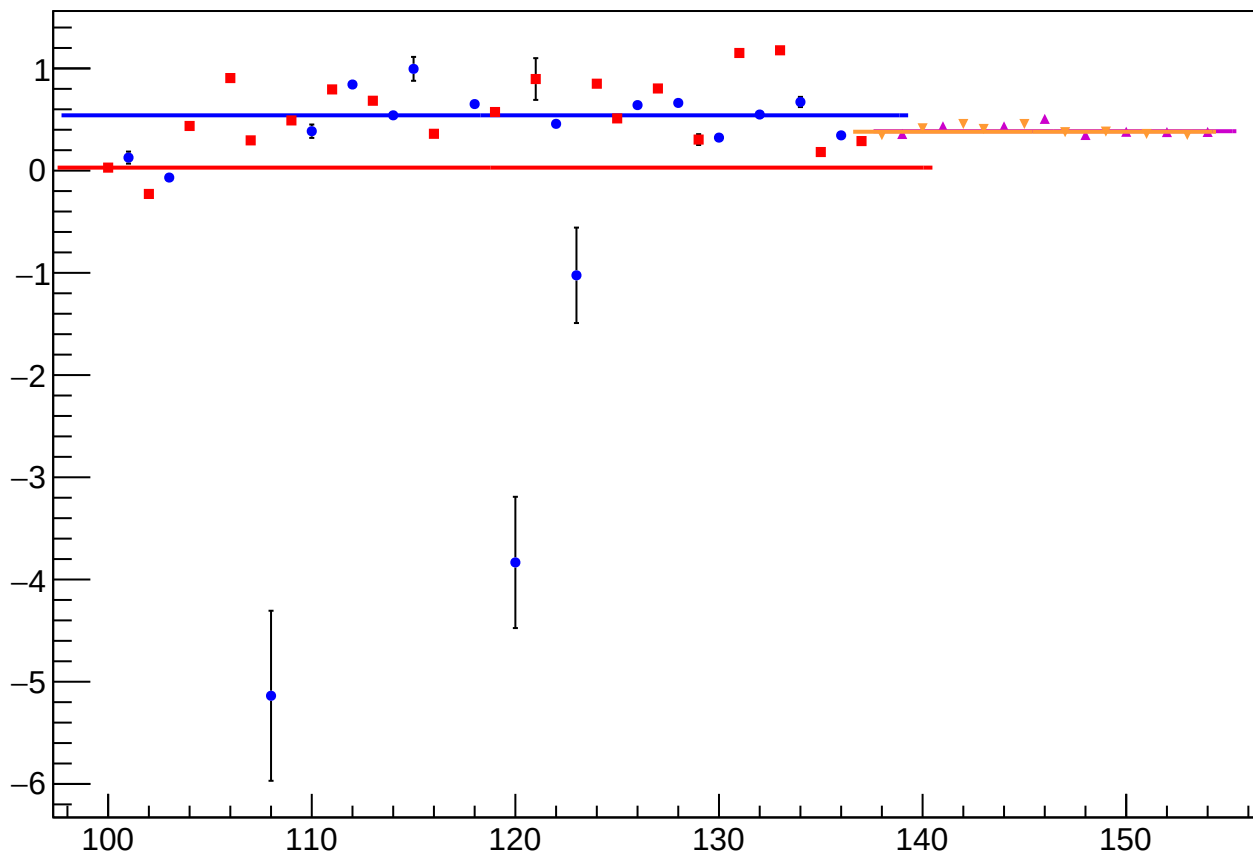
Right: -74.974 ± 0.000 $\chi^2/\text{NDF}: 2556524.2/35$

In: -74.974 ± 0.000 $\chi^2/\text{NDF}: 306893.8/24$

Out: -101.956 ± 0.017 $\chi^2/\text{NDF}: 62617.5/27$

All: -74.974 ± 0.000 $\chi^2/\text{NDF}: 2840045.5/52$

dit_sam8_11X12X_slope vs Slug, Sign Corrected



Right In: 0.541 $\pm$ 0.000 χ^2 /NDF: 29180.5/16

Left Out: 0.380 $\pm$ 0.001 χ^2 /NDF:1312.3/8

Right Out: 0.030 $\pm$ 0.000 χ^2 /NDF: 121659.5/18

Left In: 0.386 $\pm$ 0.000 χ^2 /NDF:2489.9/7

Left: 0.384 $\pm$ 0.000 χ^2 /NDF: 3846.8/16

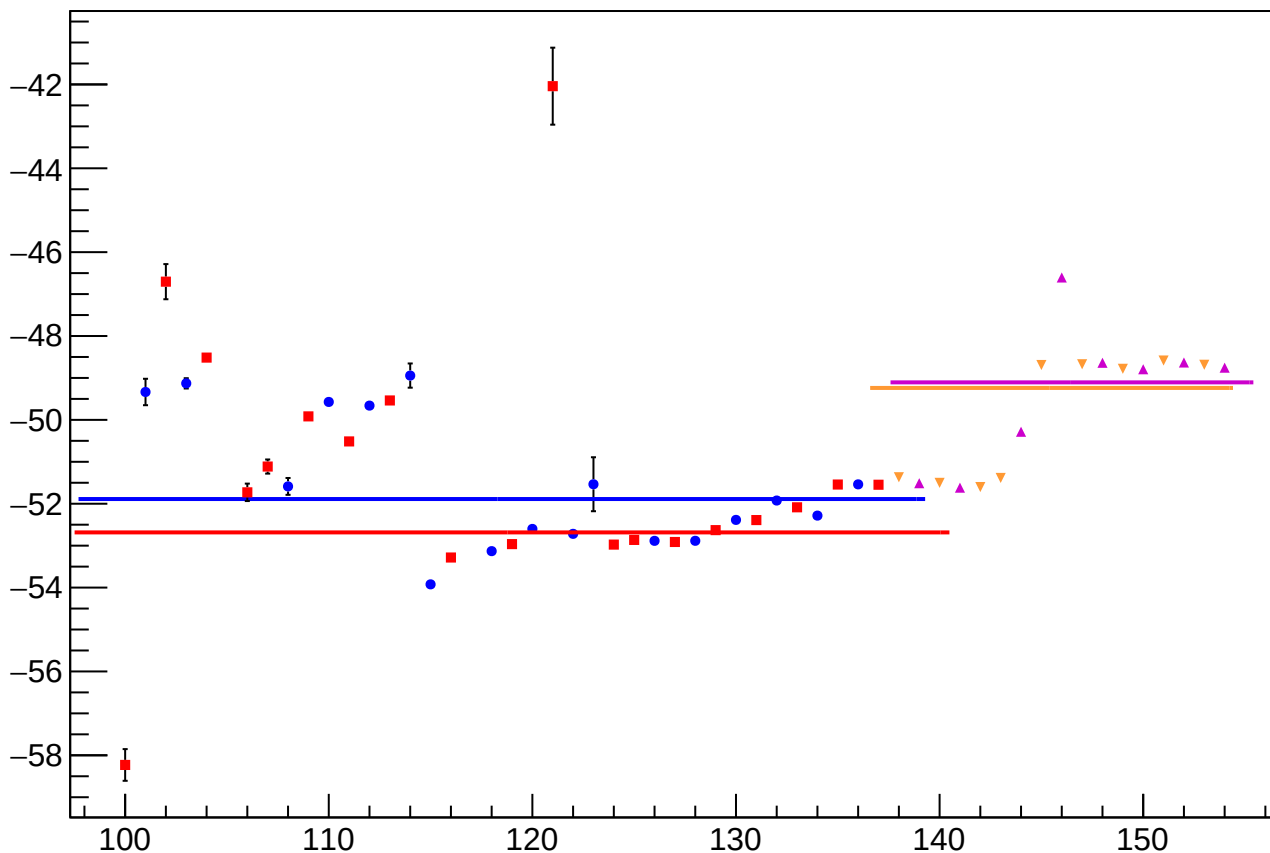
Right: 0.030 $\pm$ 0.000 χ^2 /NDF: 23314297700963382

In: 0.541 $\pm$ 0.000 χ^2 /NDF:145604.8/24

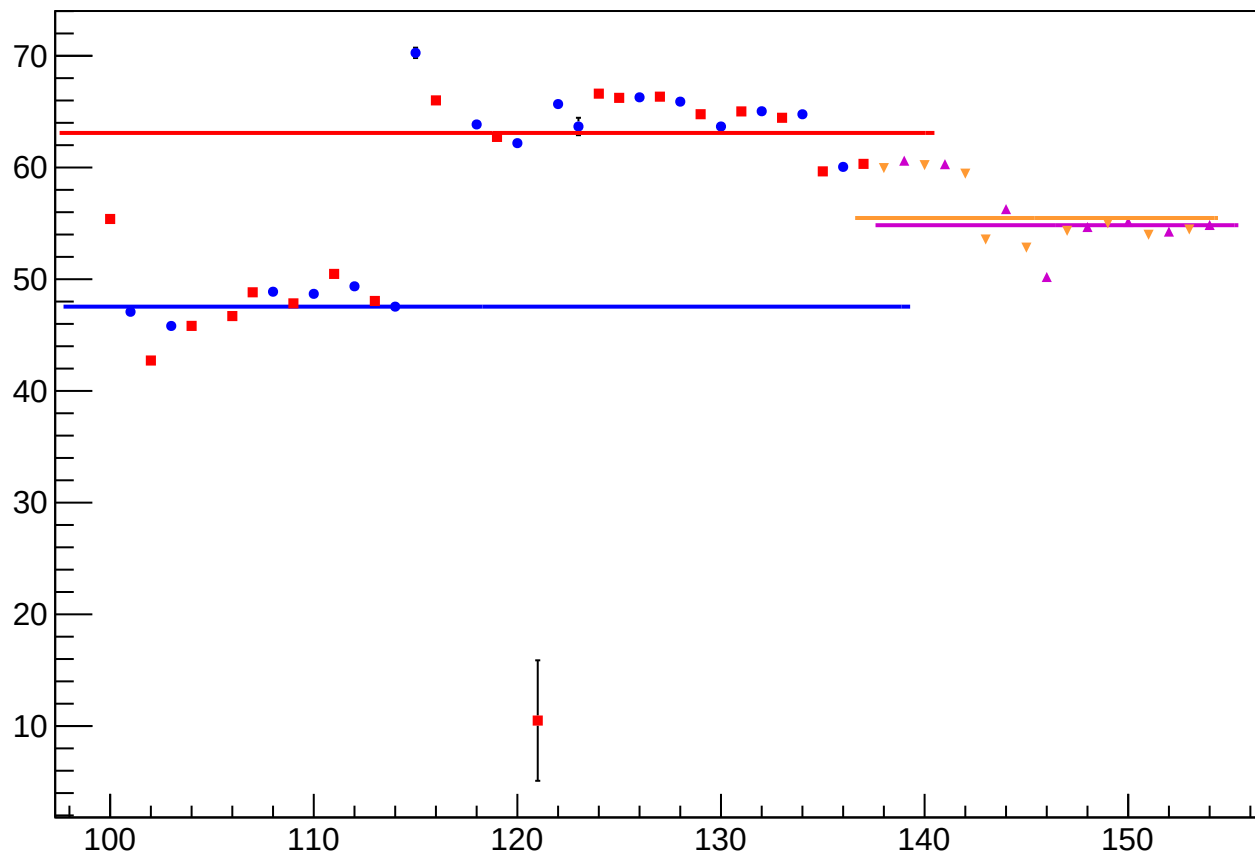
Out: 0.030 $\pm$ 0.000 χ^2 /NDF:441443.2/27

All: 0.030 $\pm$ 0.000 χ^2 /NDF: 23314297700963

dit_sam8_4aY_slope vs Slug, Sign Corrected



dit_sam8_4eY_slope vs Slug, Sign Corrected



Right In: 47.545+/-0.000 χ^2/NDF : 3491700.1/16

Left Out: 55.481+/-0.005 χ^2/NDF : 216045.3/8

Right Out: 63.095+/-0.007 χ^2/NDF : 333637.2/18

Left In: 54.836+/-0.003 χ^2/NDF : 74274.4/7

Left: 55.043+/-0.003 χ^2/NDF : 301761.7/16

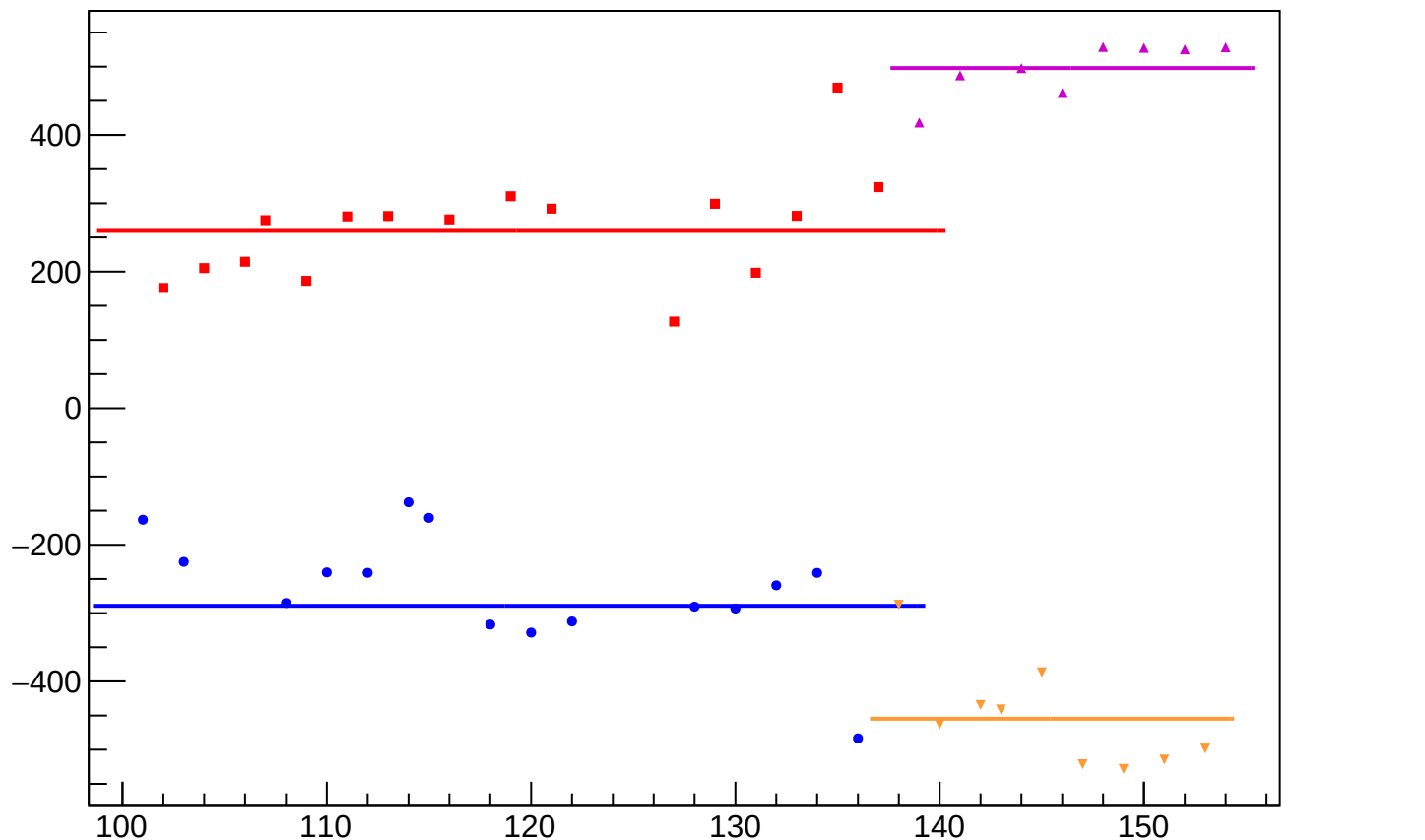
Right: 47.545+/-0.000 χ^2/NDF : 8155028.5/35

In: 47.545+/-0.000 χ^2/NDF : 8111425.9/24

Out: 57.815+/-0.004 χ^2/NDF : 1269664.6/27

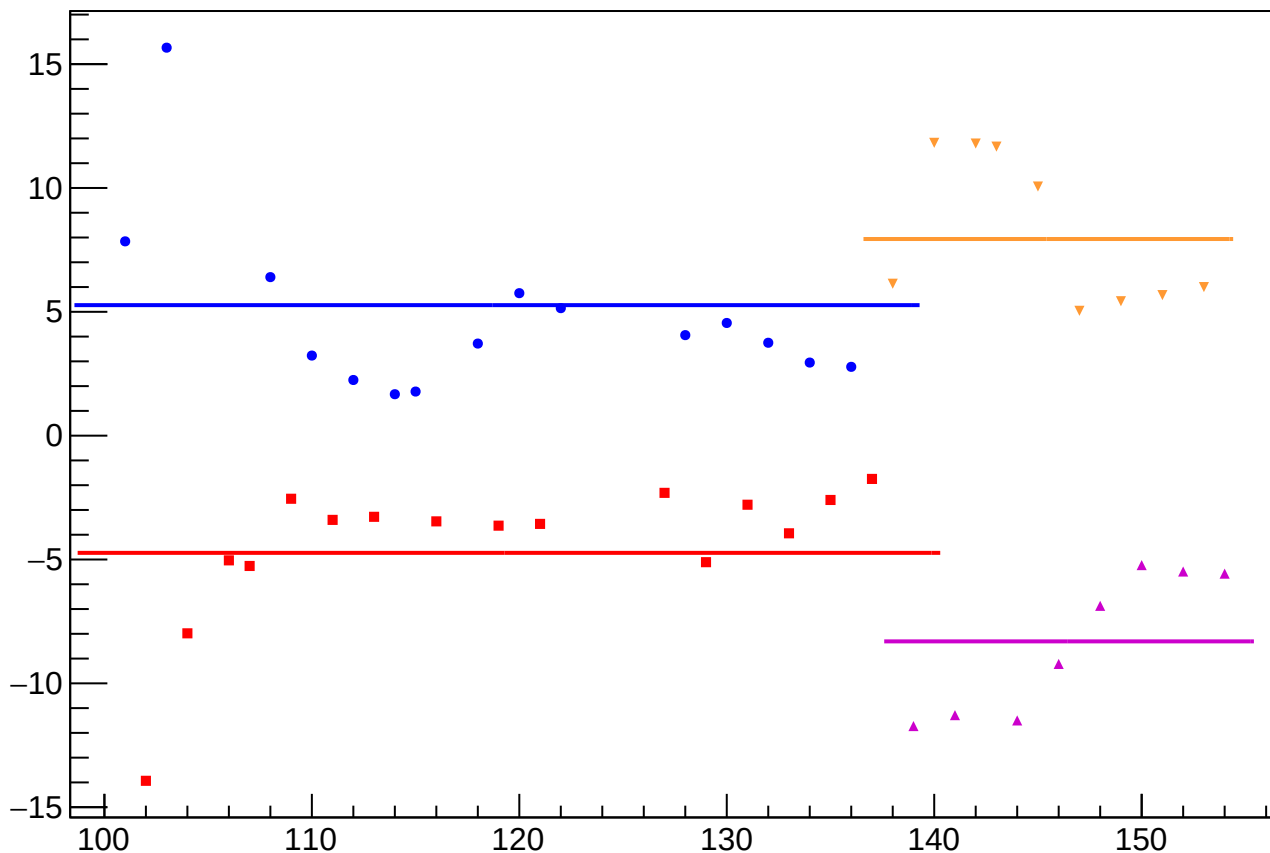
All: 47.545+/-0.000 χ^2/NDF : 15542155.5/52

dit_4aX_coil1_mean vs Slug, Sign Corrected



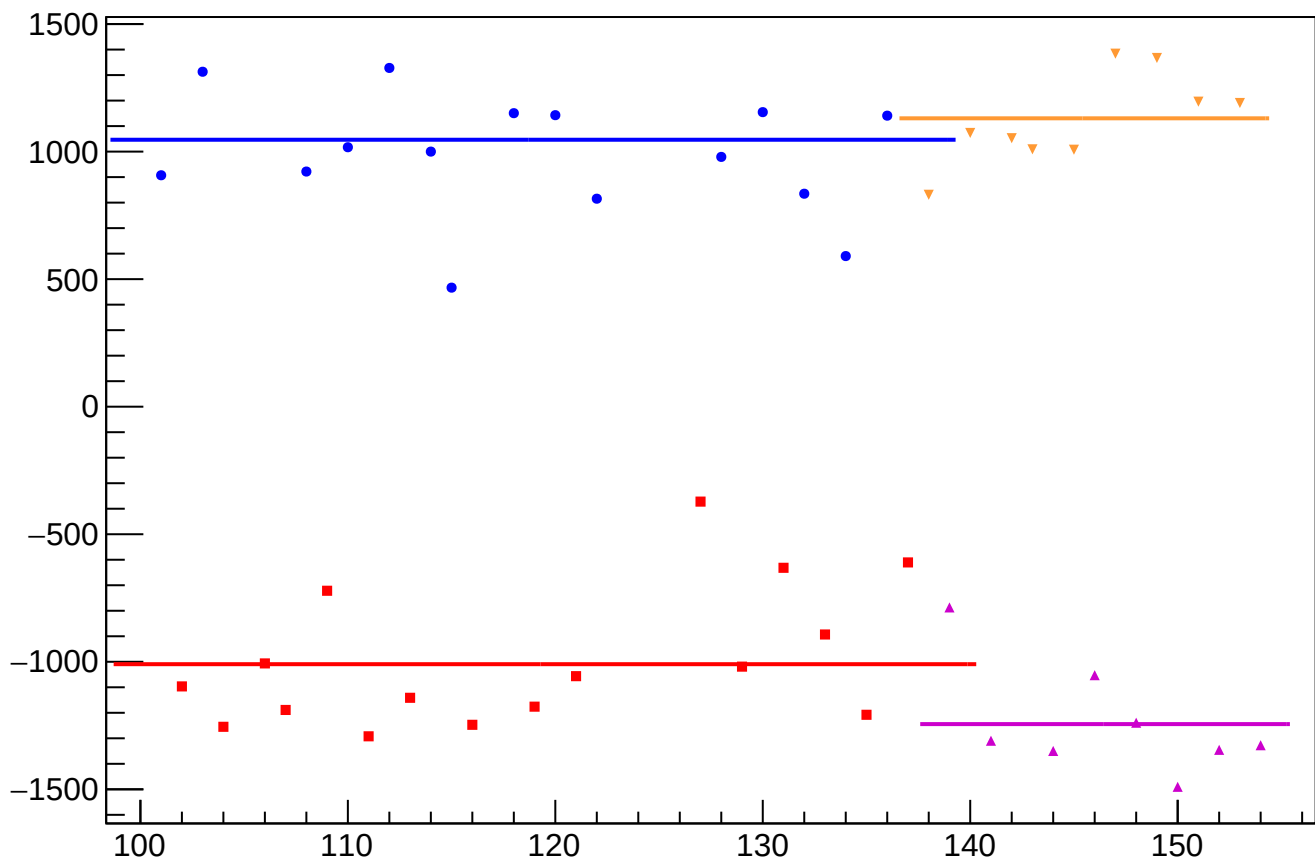
Right In: -289.322 ± 0.000 $\chi^2/\text{NDF}: 53696816404891478649585392183934976.0/14$
 Left Out: -454.618 ± 0.000 $\chi^2/\text{NDF}: 3820083099758456706716812057117720576.0/8$
 Right Out: 259.558 ± 0.000 $\chi^2/\text{NDF}: 4299886792692123970784563983770714112.0/15$
 Left In: 497.934 ± 0.000 $\chi^2/\text{NDF}: 942701976231812465500084486119882752.0/7$
 All: 7.529 ± 0.000 $\chi^2/\text{NDF}: 42449882549515$

dit_4aX_coil1_err_mean vs Slug, Sign Corrected



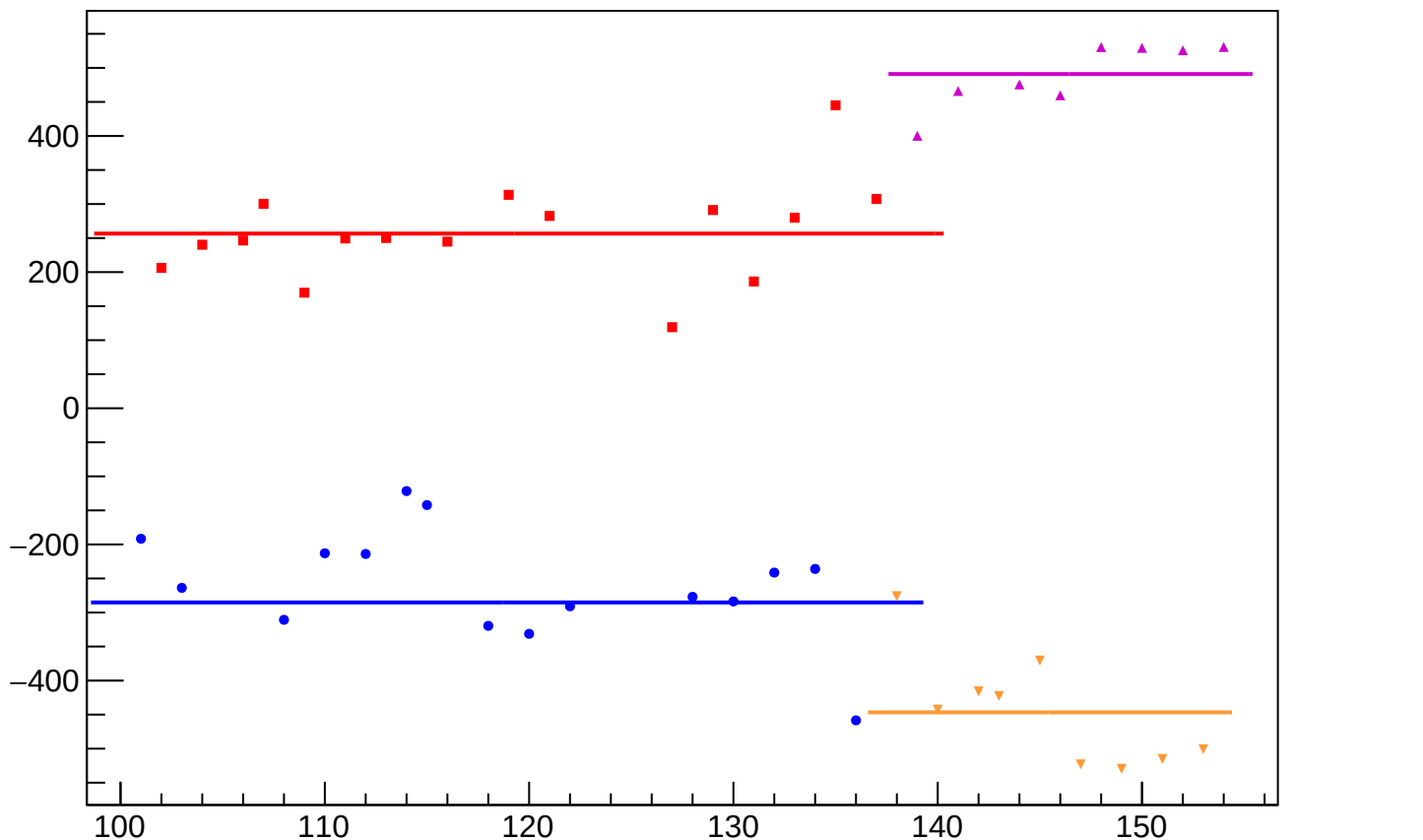
Right In: 5.270 ± 0.000 $\chi^2/\text{NDF}: 8709683292123798330550906790084608.0/14$
 Left Out: 7.939 ± 0.000 $\chi^2/\text{NDF}: 5370982902214634408606015695093760.0/8$
 Right Out: -4.732 ± 0.000 $\chi^2/\text{NDF}: 6856893072575211562802281426452480.0/15$
 Left In: -8.306 ± 0.000 $\chi^2/\text{NDF}: 5070071352571646229456458071670784.0/7$
 All: -0.028 ± 0.000 $\chi^2/\text{NDF}: 1492272064483$

dit_4aX_coil1_Ndata_mean vs Slug, Sign Corrected



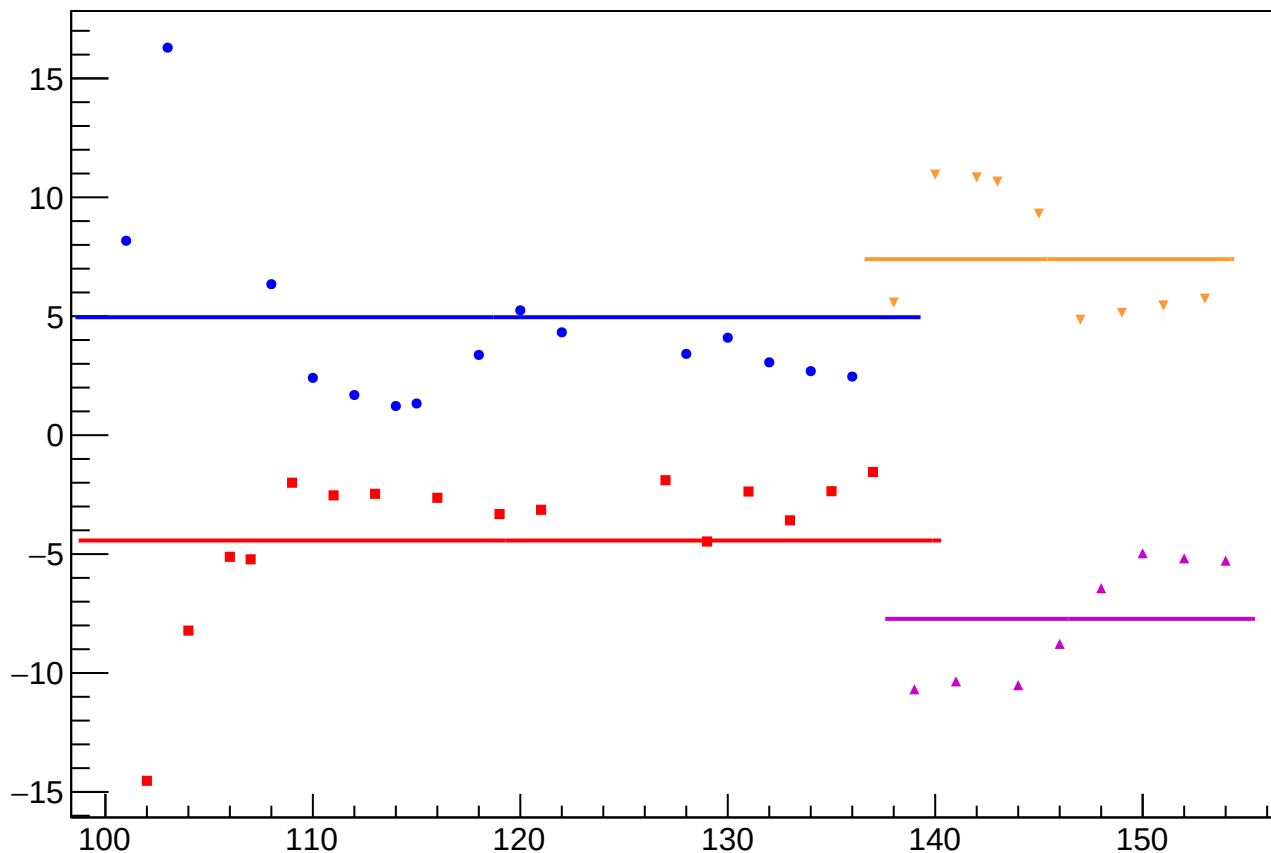
Right In: 1046.490+/-0.000	χ^2/NDF : 24866624766048512267031234680614551552.0/14	Left: -66.469+/-0.000	χ^2/NDF : 1975720239536701
Left Out: 1130.493+/-0.000	χ^2/NDF : 20120490540226280517278959515063025664.0/8	Right: 4.462+/-0.000	χ^2/NDF : 14598494086105576
Right Out: -1009.445+/-0.000	χ^2/NDF : 44602783681728168935494176019868286976.0/15	In: -133.158+/-0.000	χ^2/NDF : 1807035388337786
Left In: -1244.321+/-0.000	χ^2/NDF : 28343886144136596546146079788396183552.0/7	Out: 69.274+/-0.000	χ^2/NDF : 16044214157712594
		All: -31.678+/-0.000	χ^2/NDF : 343894310274

dit_4eX_coil1_mean vs Slug, Sign Corrected



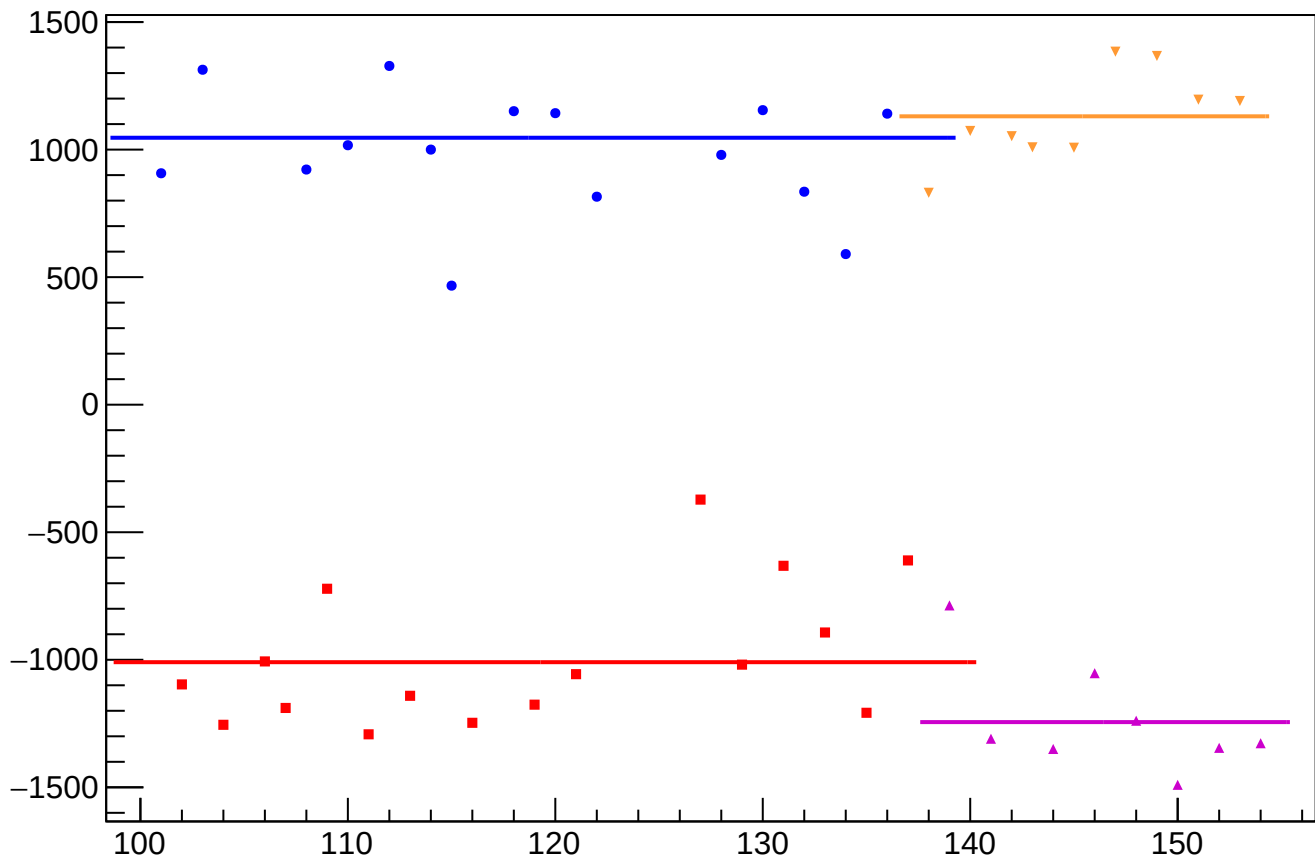
Right In: -285.187 ± 0.000 $\chi^2/\text{NDF}: 4479585262853549838092521921291747328.0/14$
 Left Out: -446.692 ± 0.000 $\chi^2/\text{NDF}: 4469158600254348137658935350558457856.0/8$
 Right Out: 256.599 ± 0.000 $\chi^2/\text{NDF}: 3648271535971039165952602563191767040.0/15$
 Left In: 490.971 ± 0.000 $\chi^2/\text{NDF}: 1333982633975133925774990539640274944.0/7$
 All: 8.009 ± 0.000 $\chi^2/\text{NDF}: 41182996978307$

dit_4eX_coil1_err_mean vs Slug, Sign Corrected



Right In: 4.959 ± 0.000 χ^2/NDF : 10465467057143371817371681641463808.0/14
 Left Out: 7.402 ± 0.000 χ^2/NDF : 4304215554772747114764111496347648.0/8
 Right Out: -4.429 ± 0.000 χ^2/NDF : 8371440400334524571131796772618240.0/15
 Left In: -7.723 ± 0.000 χ^2/NDF : 4008742727185929540967662352334848.0/7
 All: -0.014 ± 0.000 χ^2/NDF : 1344324755226

dit_4eX_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000

χ^2/NDF : 24866624766048512267031234680614551552.0/14

Left Out: 1130.493+/-0.000

χ^2/NDF : 20120490540226280517278959515063025664.0/8

Right Out: -1009.445+/-0.000

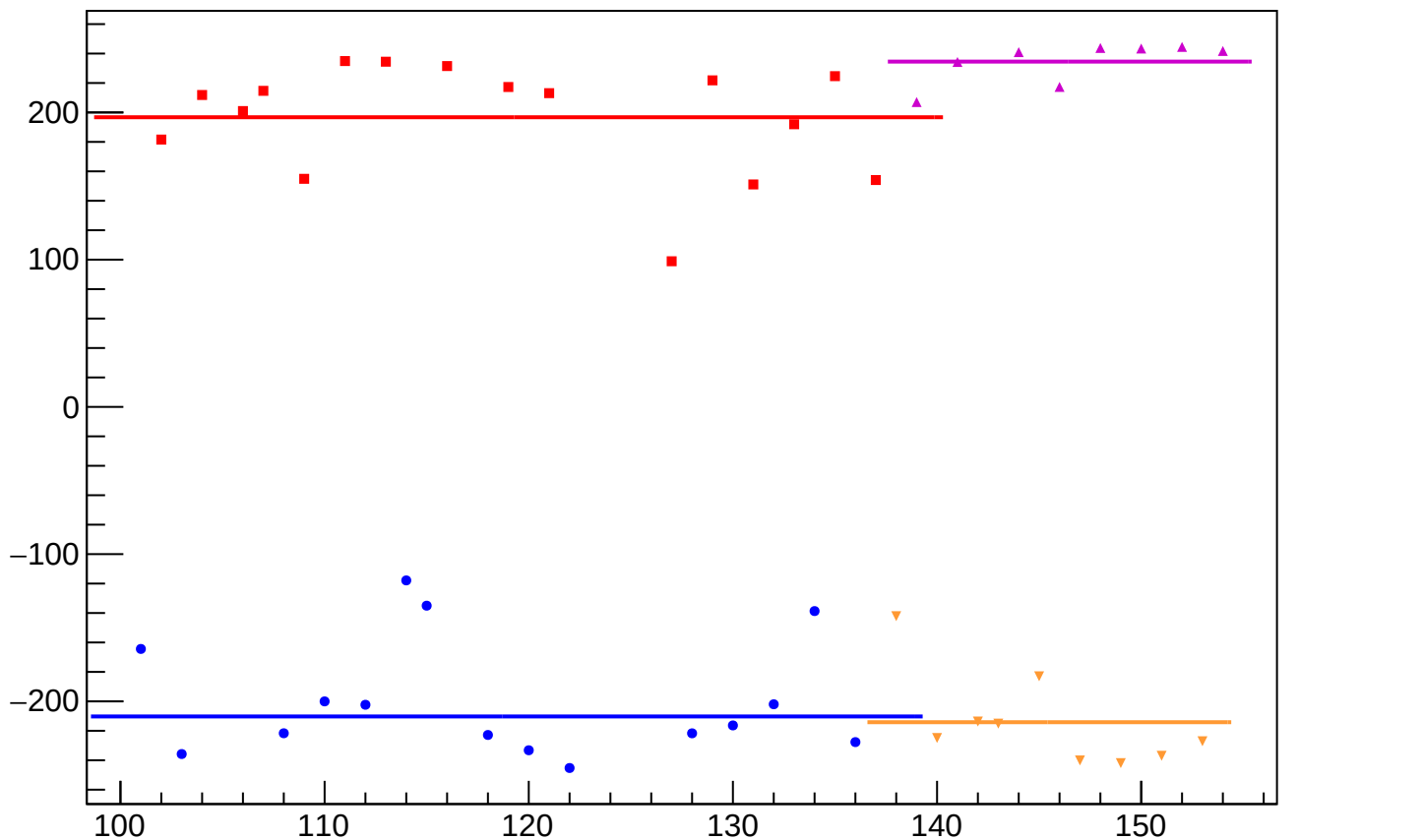
χ^2/NDF : 44602783681728168935494176019868286976.0/15

Left In: -1244.321+/-0.000

χ^2/NDF : 28343886144136596546146079788396183552.0/7

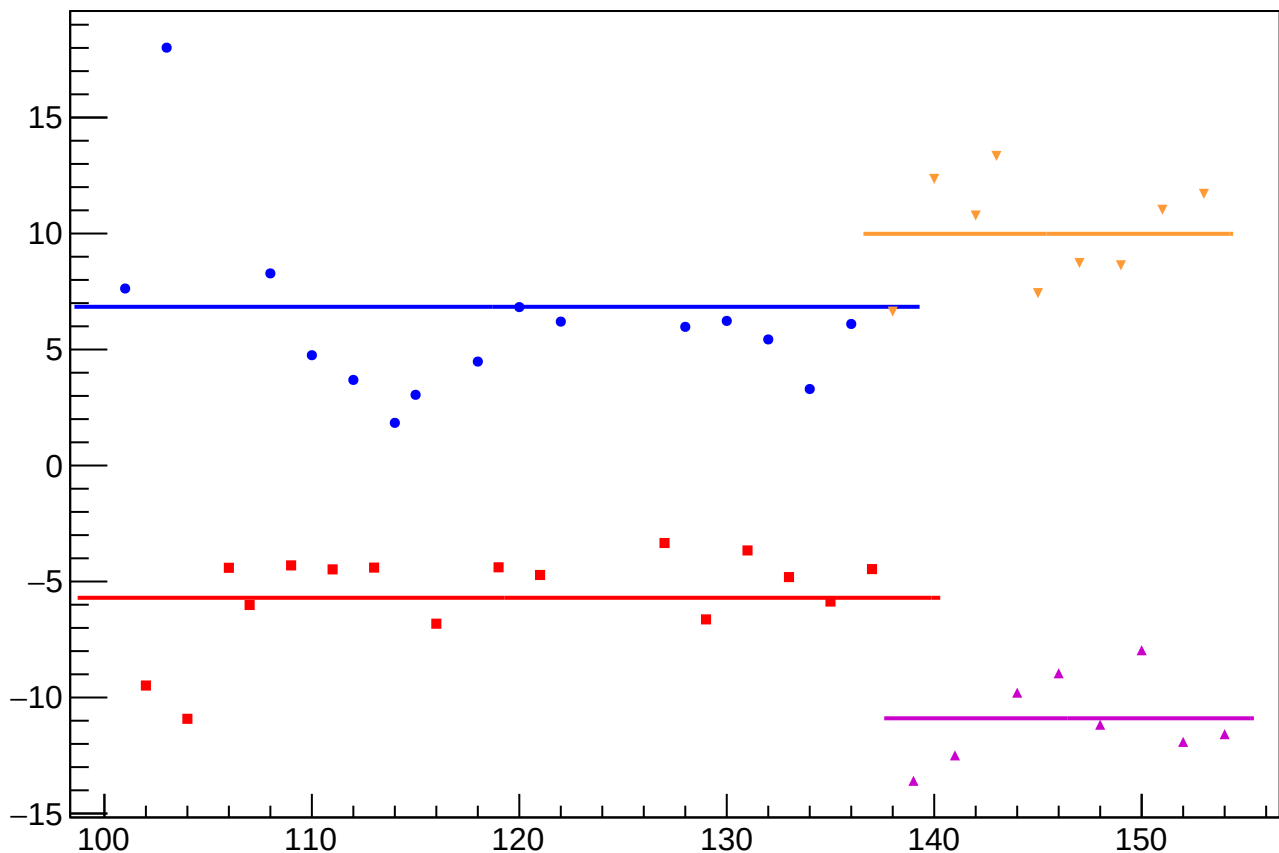
Left: -66.469+/-0.000 χ^2/NDF : 1975720239536701
 Right: 4.462+/-0.000 χ^2/NDF : 14598494086105576
 In: -133.158+/-0.000 χ^2/NDF : 1807035388337786
 Out: 69.274+/-0.000 χ^2/NDF : 16044214157712594
 All: -31.678+/-0.000 χ^2/NDF : 343894310274

dit_11X12X_coil1_mean vs Slug, Sign Corrected



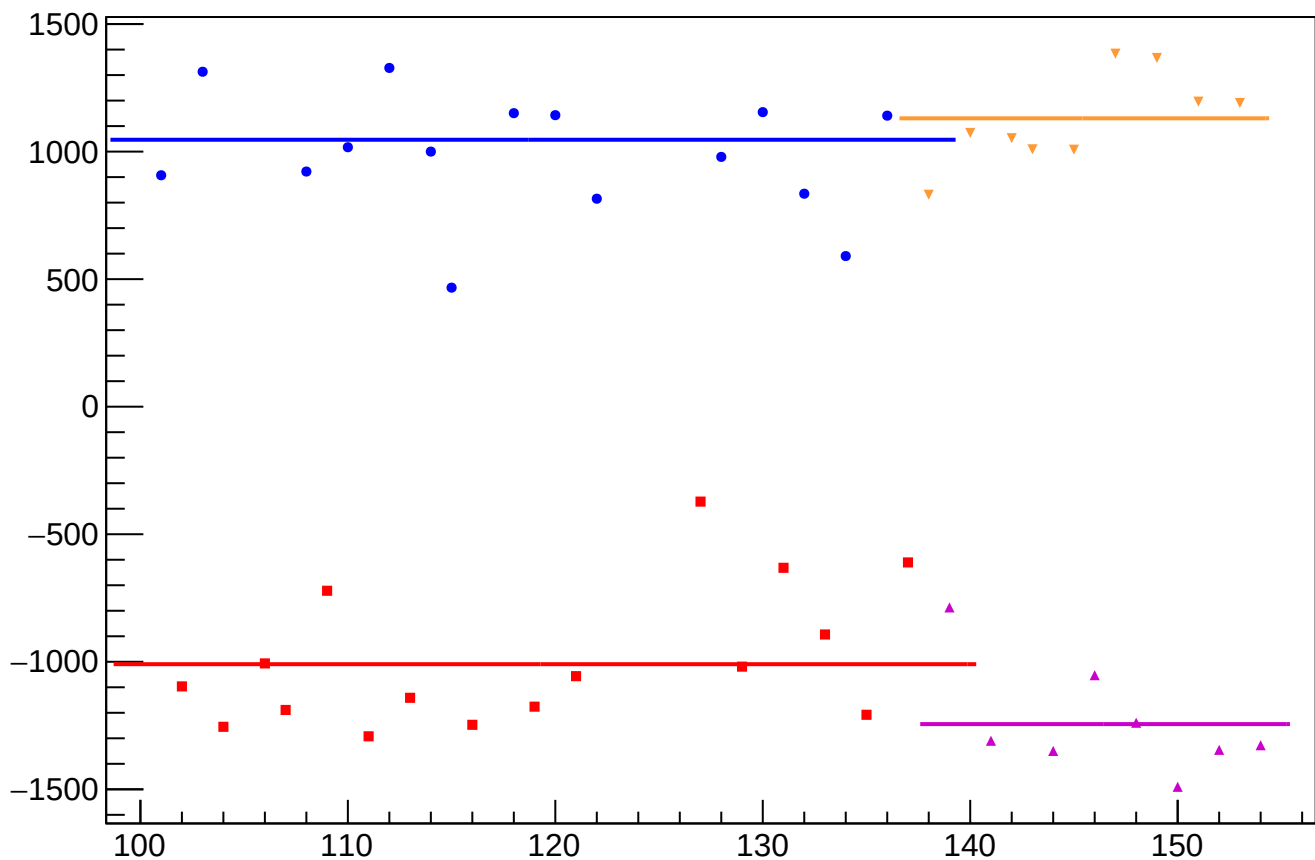
Right In: -210.261 ± 0.000 $\chi^2/\text{NDF}: 567711076568068409192467700494893056.0/14$
 Left Out: -214.167 ± 0.000 $\chi^2/\text{NDF}: 664441194372774872097203290606927872.0/8$
 Right Out: 196.736 ± 0.000 $\chi^2/\text{NDF}: 909588895093044840633640514790359040.0/15$
 Left In: 234.535 ± 0.000 $\chi^2/\text{NDF}: 117083523056581268688710910447976448.0/7$
 All: 4.157 ± 0.000 $\chi^2/\text{NDF}: 12571901365403$

dit_11X12X_coil1_err_mean vs Slug, Sign Corrected



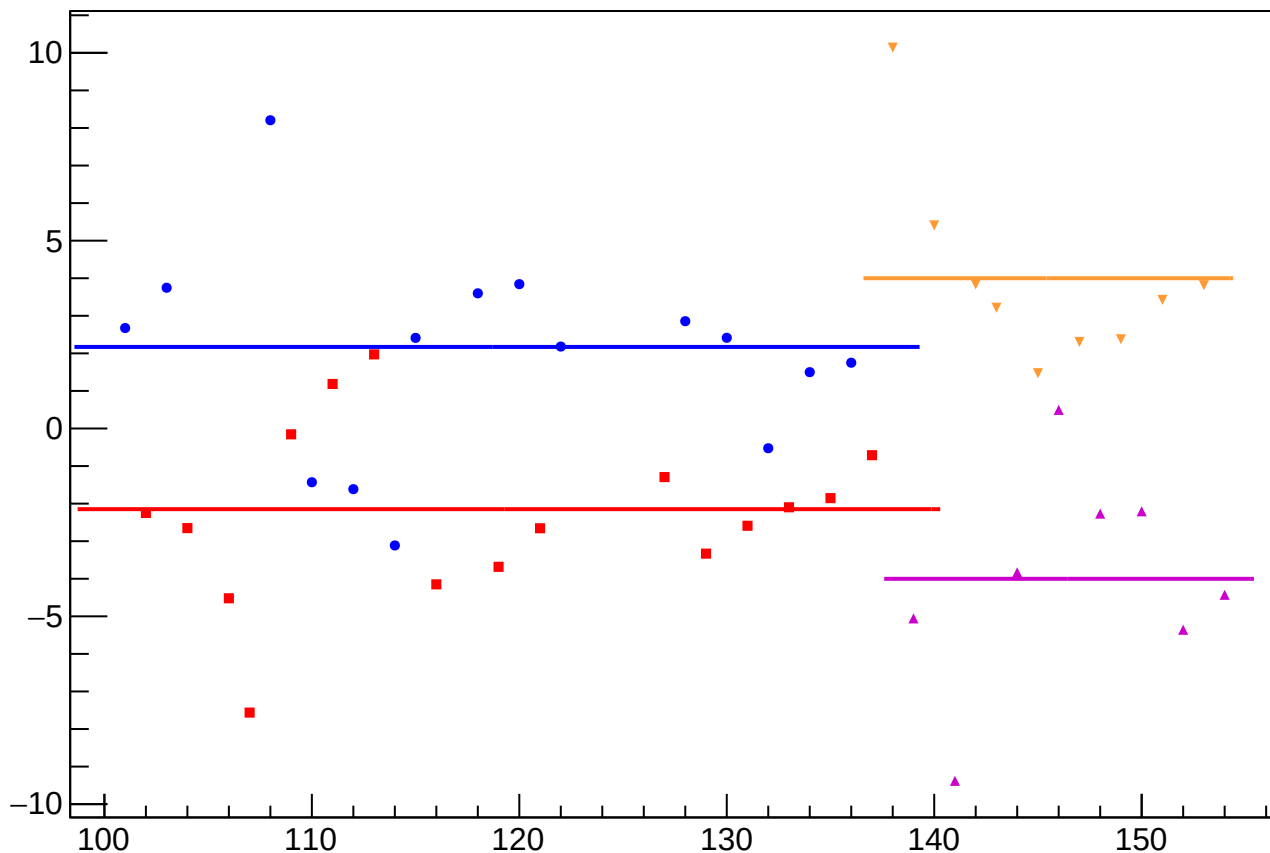
Right In: 6.842 ± 0.000 $\chi^2/\text{NDF}: 9355934166823324467316647620771840.0/14$
 Left Out: 9.988 ± 0.000 $\chi^2/\text{NDF}: 3263642094436372487858999743479808.0/8$
 Right Out: -5.701 ± 0.000 $\chi^2/\text{NDF}: 3174693398300953393137731791486976.0/15$
 Left In: -10.896 ± 0.000 $\chi^2/\text{NDF}: 2147505840487404806533133667139584.0/7$
 All: -0.036 ± 0.000 $\chi^2/\text{NDF}: 2194324243030$

dit_11X12X_coil1_Ndata_mean vs Slug, Sign Corrected



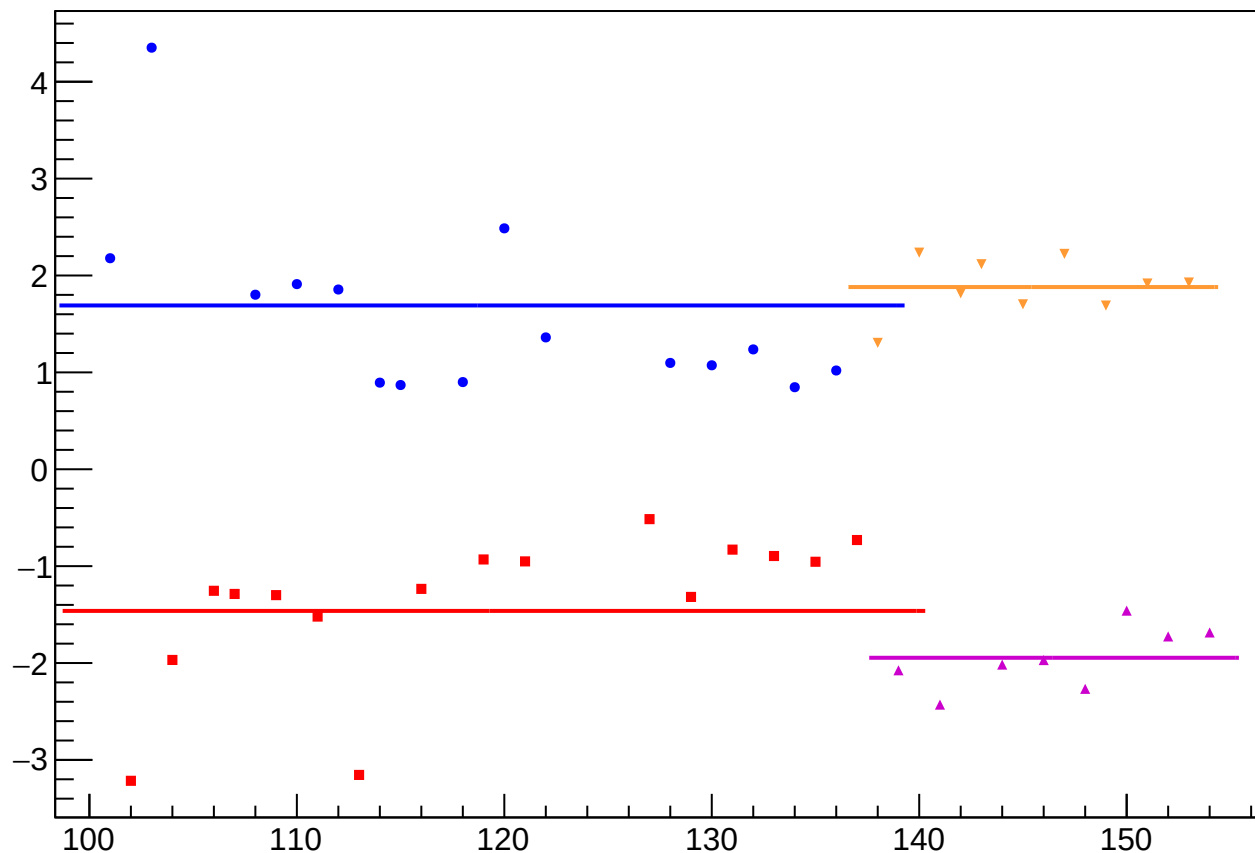
Right In: 1046.490+/-0.000	χ^2/NDF : 24866624766048512267031234680614551552.0/14	Left: -66.469+/-0.000	χ^2/NDF : 1975720239536701
Left Out: 1130.493+/-0.000	χ^2/NDF : 20120490540226280517278959515063025664.0/8	Right: 4.462+/-0.000	χ^2/NDF : 14598494086105576
Right Out: -1009.445+/-0.000	χ^2/NDF : 44602783681728168935494176019868286976.0/15	In: -133.158+/-0.000	χ^2/NDF : 1807035388337786
Left In: -1244.321+/-0.000	χ^2/NDF : 28343886144136596546146079788396183552.0/7	Out: 69.274+/-0.000	χ^2/NDF : 16044214157712594
		All: -31.678+/-0.000	χ^2/NDF : 343894310274

dit_4aY_coil1_mean vs Slug, Sign Corrected



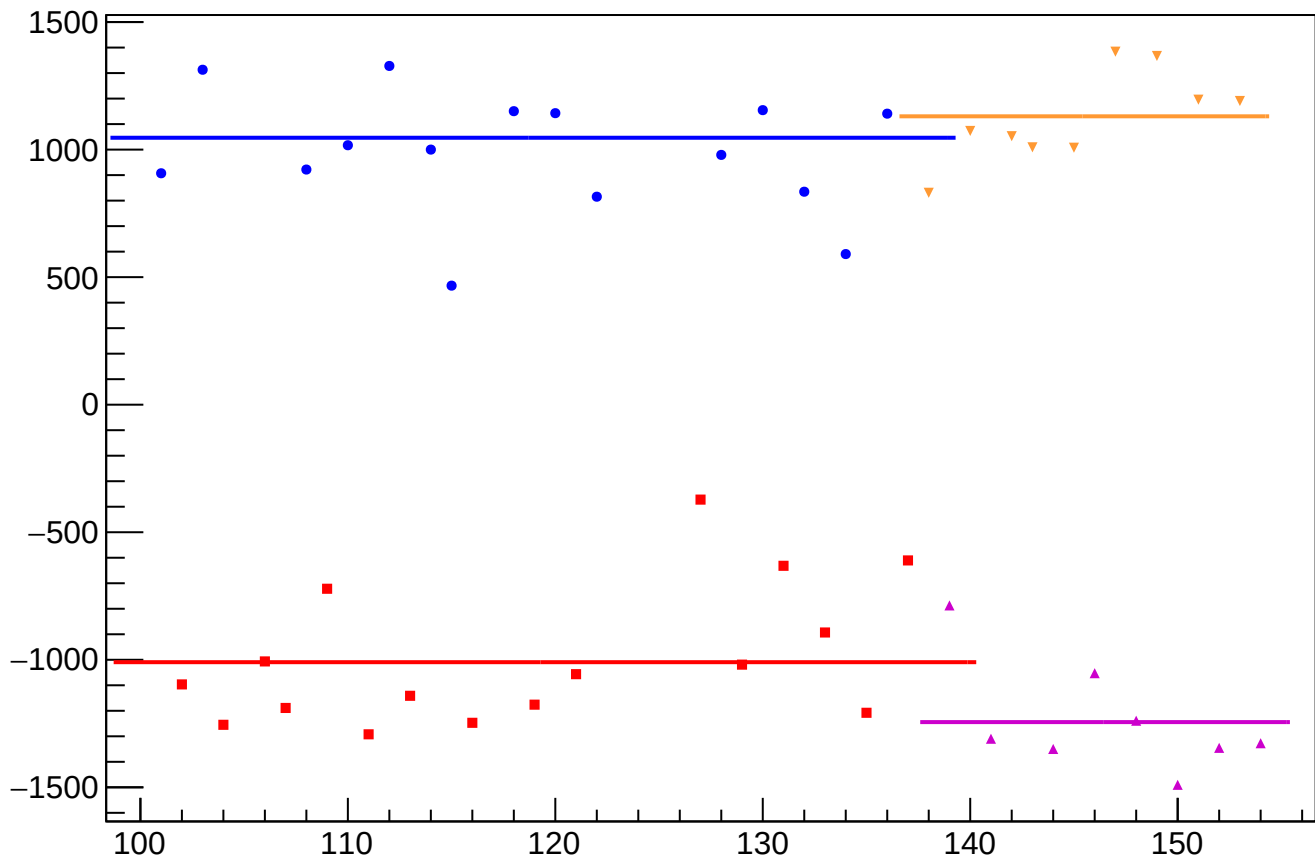
Right In: 2.171 ± 0.000 χ^2/NDF : 3599819246909975678410499691642880.0/14
 Left Out: 4.000 ± 0.000 χ^2/NDF : 4136107227409683907700497158504448.0/8
 Right Out: -2.148 ± 0.000 χ^2/NDF : 3093887336239378959606321931878400.0/15
 Left In: -4.002 ± 0.000 χ^2/NDF : 4950929210578562224838533200216064.0/7
 All: -0.025 ± 0.000 χ^2/NDF : 4379737463638

dit_4aY_coil1_err_mean vs Slug, Sign Corrected



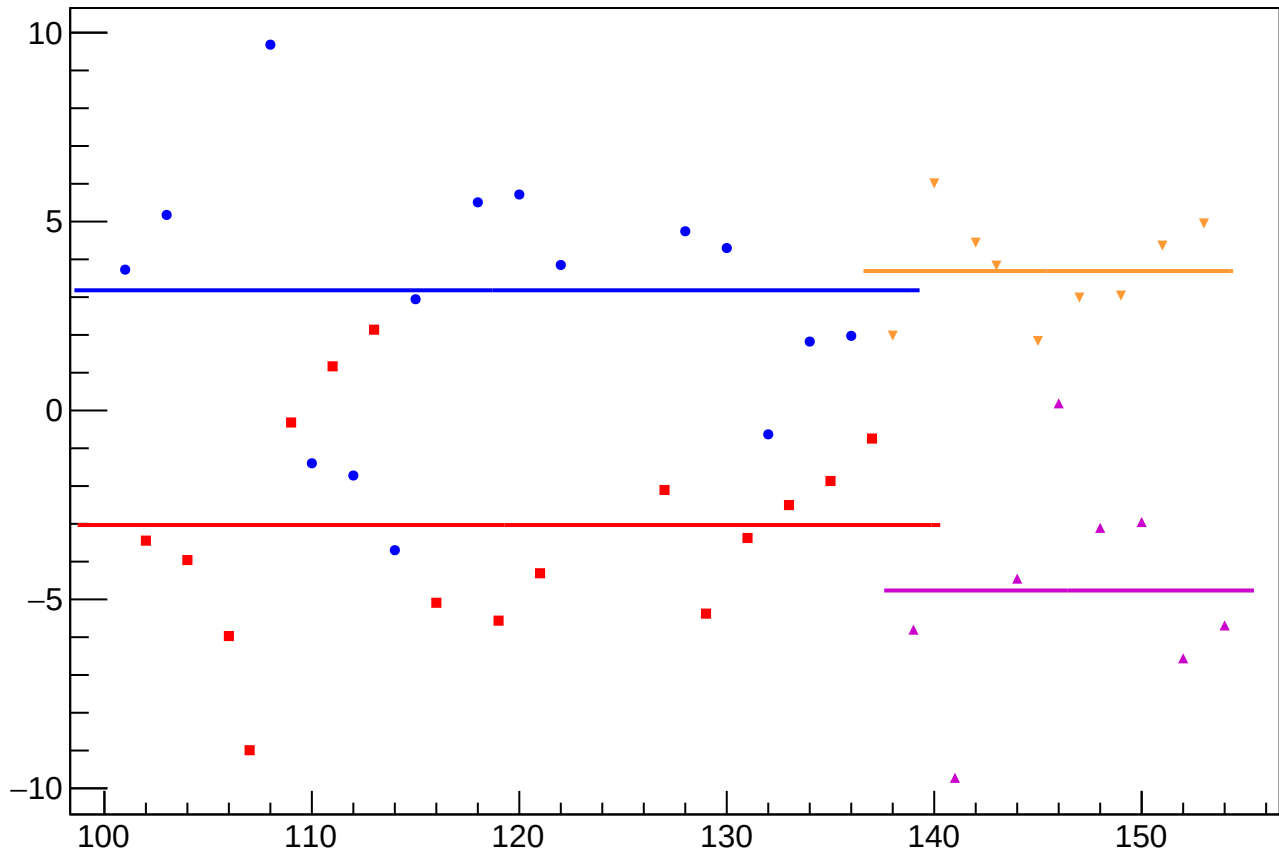
Right In: 1.691 ± 0.000 $\chi^2/\text{NDF}: 612163393317609859674079412355072.0/14$
 Left Out: 1.881 ± 0.000 $\chi^2/\text{NDF}: 55203508410559656762088255127552.0/8$
 Right Out: -1.462 ± 0.000 $\chi^2/\text{NDF}: 444384511662519040022371754835968.0/15$
 Left In: -1.946 ± 0.000 $\chi^2/\text{NDF}: 62169284740742932954041739640832.0/7$
 All: 0.021 ± 0.000 $\chi^2/\text{NDF}: 94607124186359$

dit_4aY_coil1_Ndata_mean vs Slug, Sign Corrected



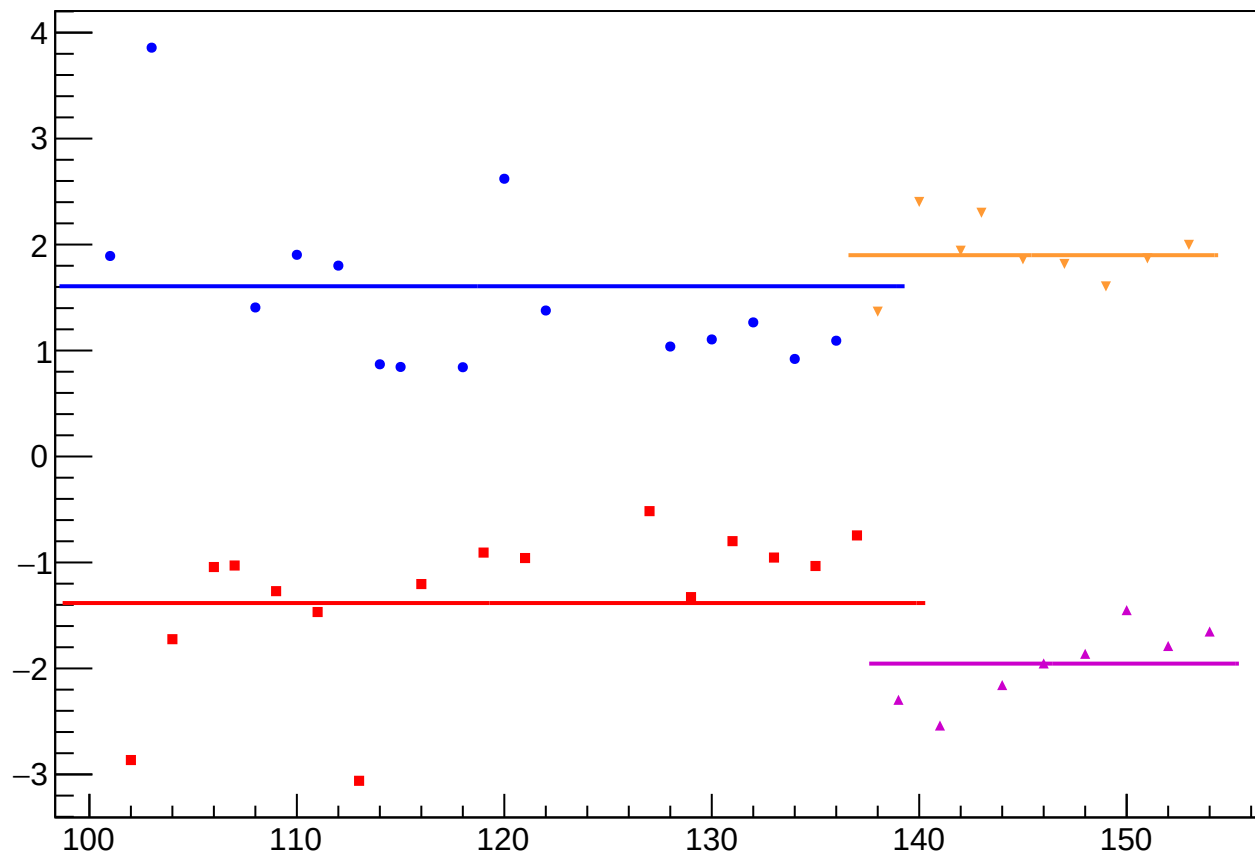
Right In: 1046.490+/-0.000	χ^2/NDF : 24866624766048512267031234680614551552.0/14	Left: -66.469+/-0.000	χ^2/NDF : 1975720239536701
Left Out: 1130.493+/-0.000	χ^2/NDF : 20120490540226280517278959515063025664.0/8	Right: 4.462+/-0.000	χ^2/NDF : 14598494086105576
Right Out: -1009.445+/-0.000	χ^2/NDF : 44602783681728168935494176019868286976.0/15	In: -133.158+/-0.000	χ^2/NDF : 1807035388337786
Left In: -1244.321+/-0.000	χ^2/NDF : 28343886144136596546146079788396183552.0/7	Out: 69.274+/-0.000	χ^2/NDF : 16044214157712594
		All: -31.678+/-0.000	χ^2/NDF : 343894310274

dit_4eY_coil1_mean vs Slug, Sign Corrected



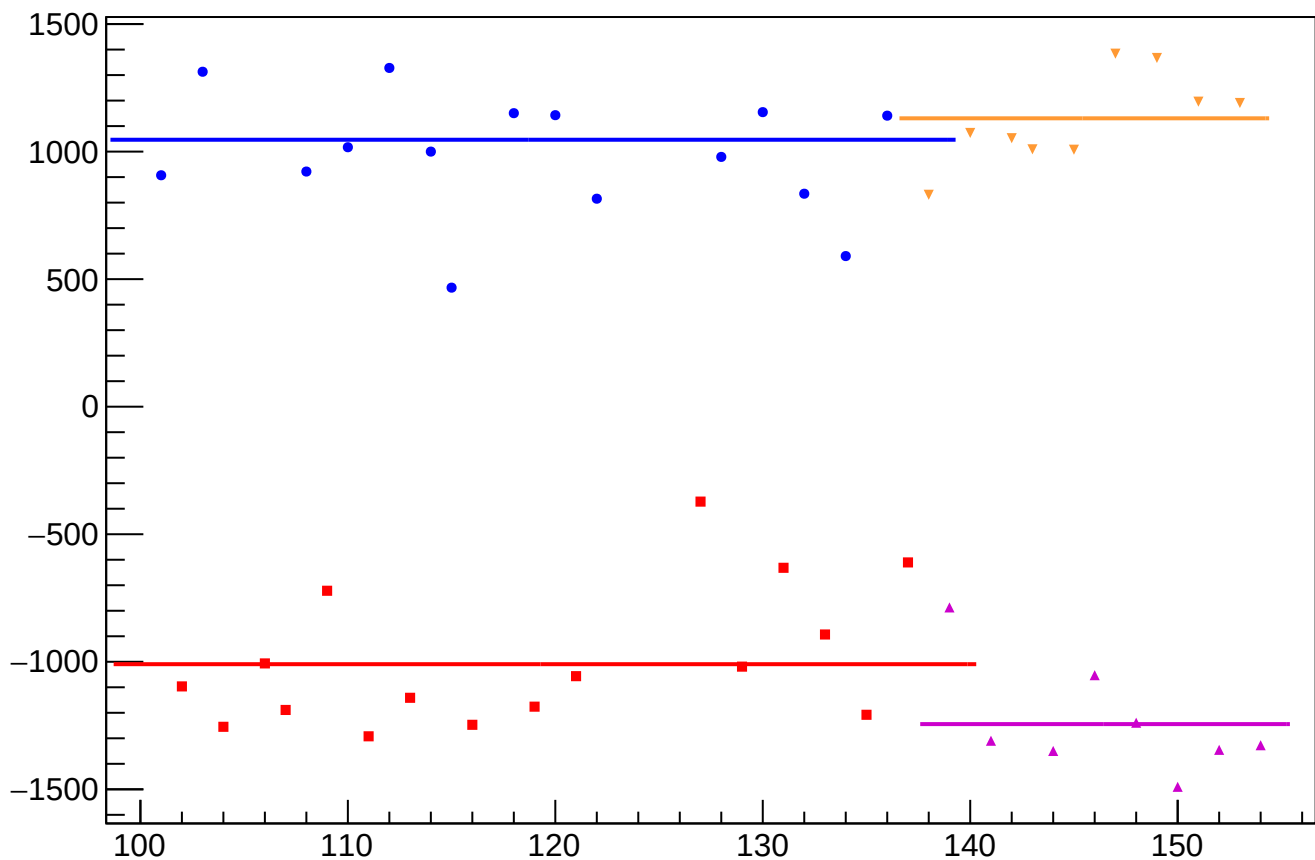
Right In: 3.181 ± 0.000 $\chi^2/\text{NDF}: 5833303227868252617704566394191872.0/14$
 Left Out: 3.691 ± 0.000 $\chi^2/\text{NDF}: 1217891171840190127780942181302272.0/8$
 Right Out: -3.032 ± 0.000 $\chi^2/\text{NDF}: 4937209831371793945496546833334272.0/15$
 Left In: -4.765 ± 0.000 $\chi^2/\text{NDF}: 5107630065521603503040653221167104.0/7$
 All: -0.275 ± 0.000 $\chi^2/\text{NDF}: 5446836226487$

dit_4eY_coil1_err_mean vs Slug, Sign Corrected



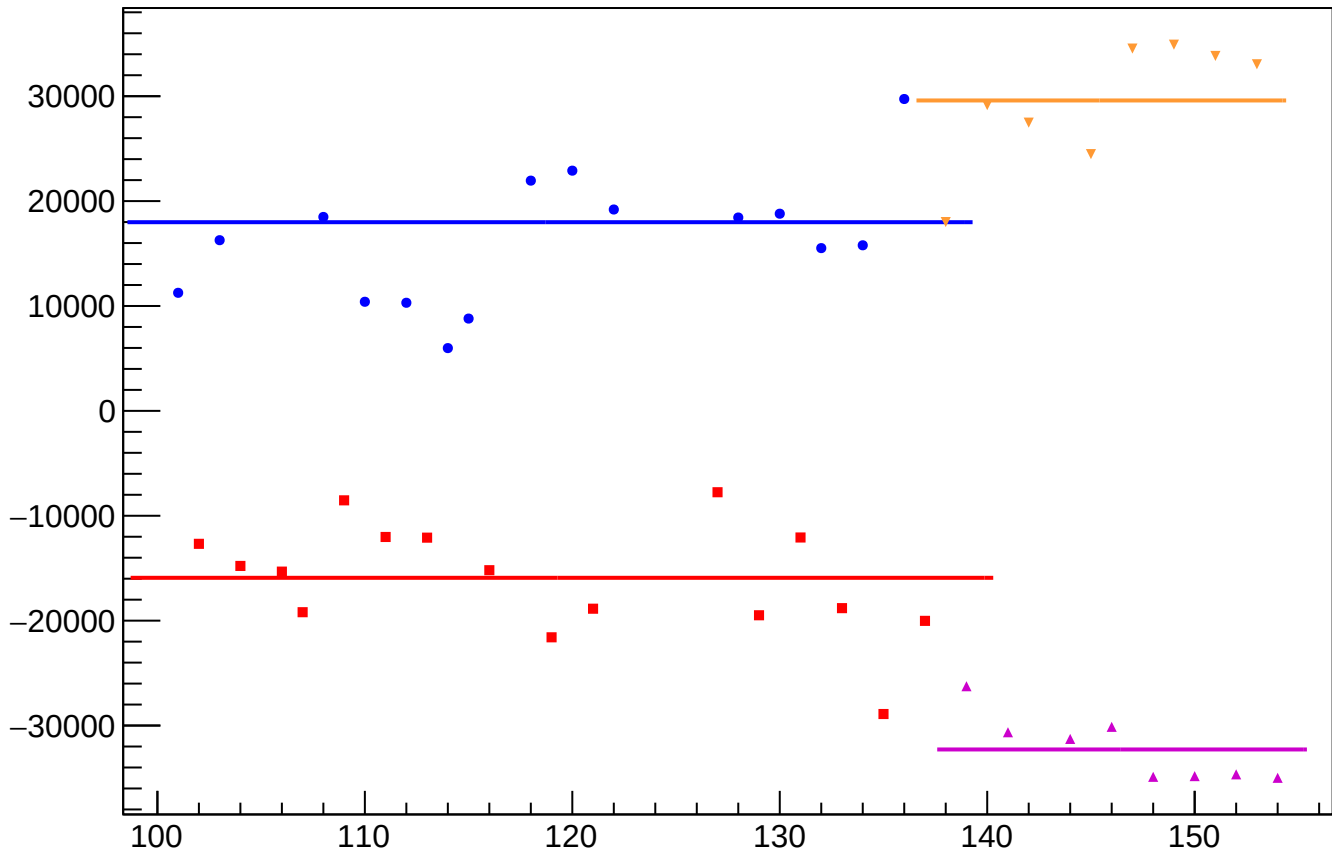
Right In: 1.607 $\pm$ 0.000 χ^2 /NDF: 460949628640148184181205735833600.0/14
 Left Out: 1.900 $\pm$ 0.000 χ^2 /NDF: 62498054609315238266247015563264.0/8
 Right Out: -1.383 $\pm$ 0.000 χ^2 /NDF: 358348897016286200957650337792000.0/15
 Left In: -1.954 $\pm$ 0.000 χ^2 /NDF: 76560149450187408323288955355136.0/7
 All: 0.023 $\pm$ 0.000 χ^2 /NDF: 89865105138394

dit_4eY_coil1_Ndata_mean vs Slug, Sign Corrected



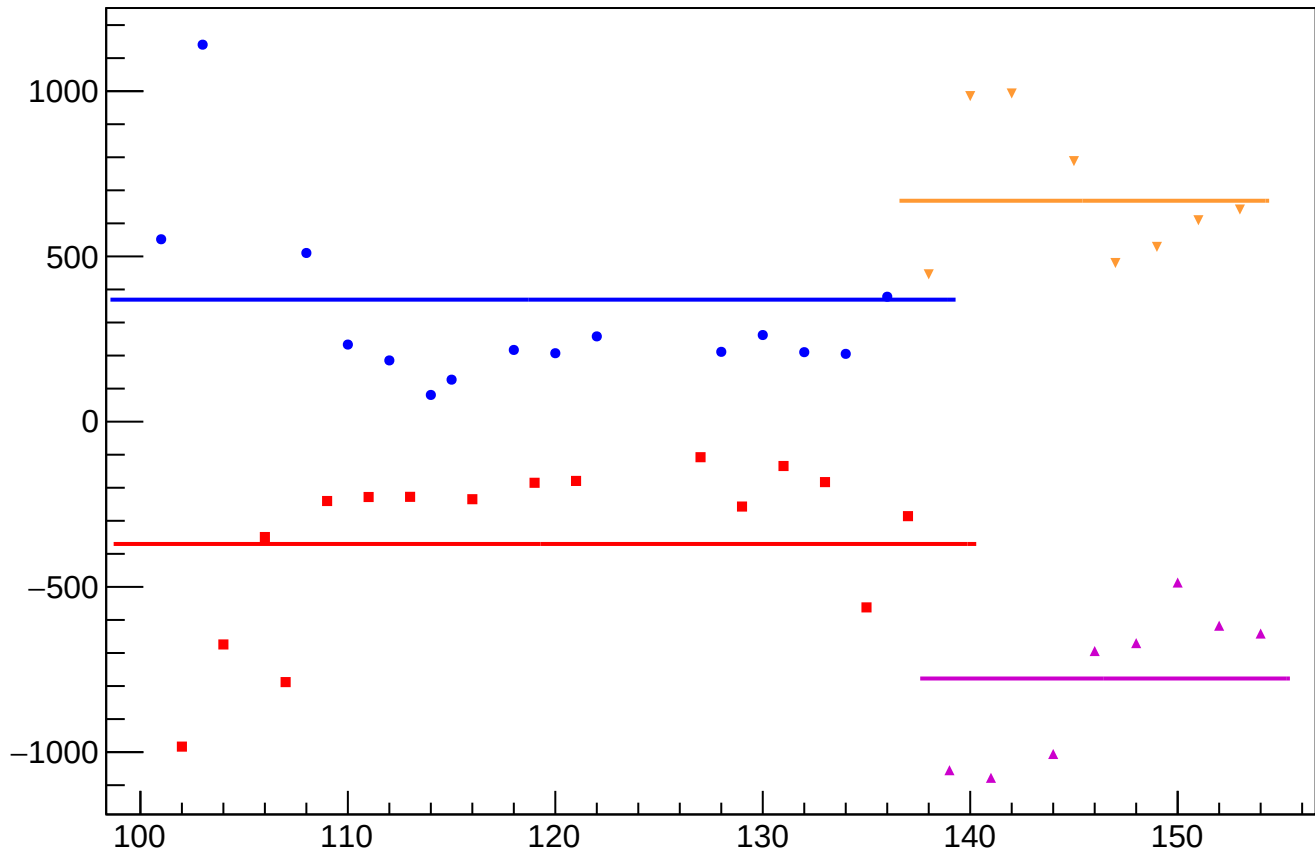
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1130.493+/-0.000 χ^2/NDF : 20120490540226280517278959515063025664.0/8
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1244.321+/-0.000 χ^2/NDF : 28343886144136596546146079788396183552.0/7
 All: -31.678+/-0.000 χ^2/NDF : 343894310274

dit_usl_coil1_mean vs Slug, Sign Corrected



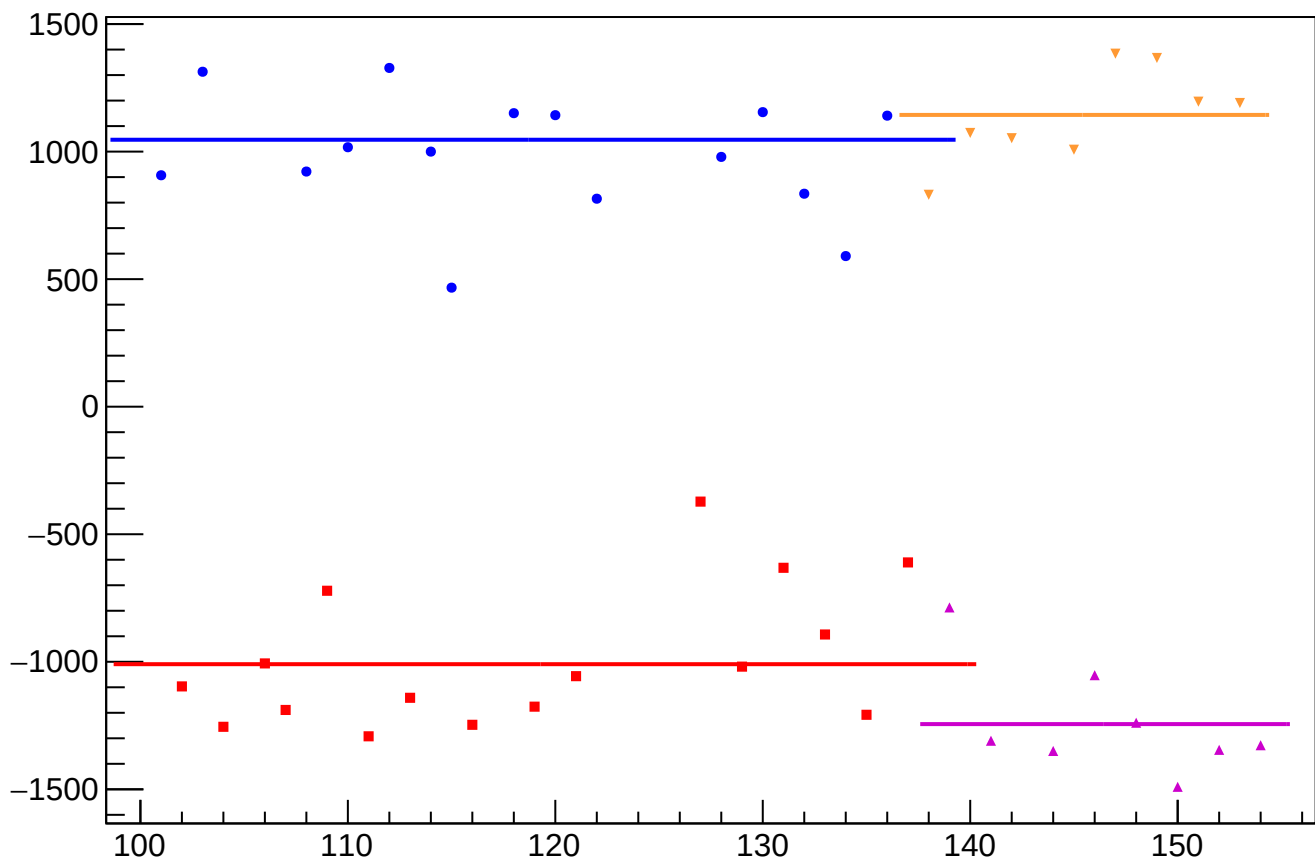
Right In: 17988.185+/-0.000 χ^2/NDF : 24815111809984217103544001237552952508416.0/14
 Left Out: 29594.425+/-0.000 χ^2/NDF : 19511239887479858354282520564528846995456.0/7
 Right Out: -15915.227+/-0.000 χ^2/NDF : 19954189674705952707042287416087223992320.0/15
 Left In: -32281.365+/-0.000 χ^2/NDF : 5947500383973961772878290713003136385024.0/7
 All: -1185.318+/-0.000 χ^2/NDF : 1698629806

dit_usl_coil1_err_mean vs Slug, Sign Corrected



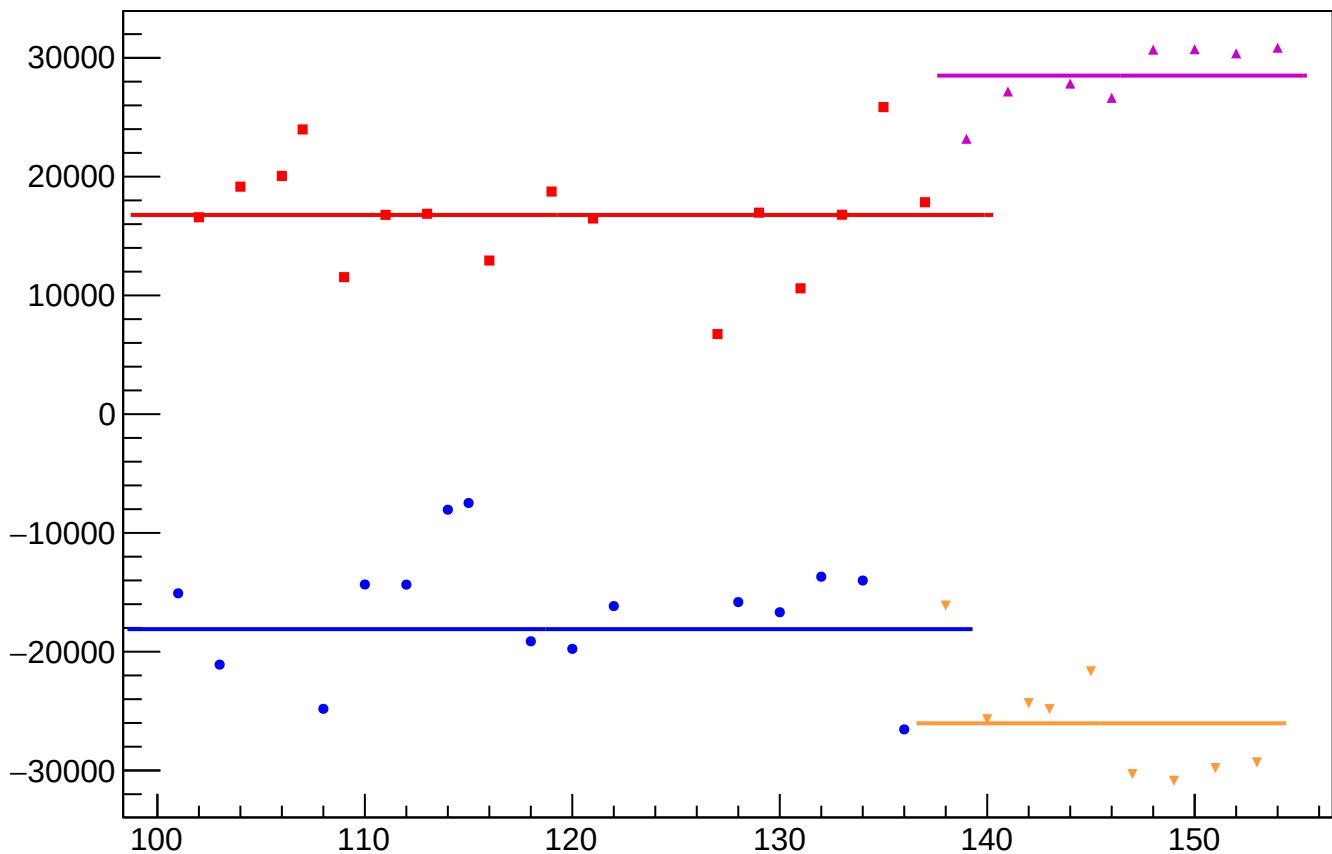
Left: -97.743 +/- 0.000 χ^2/NDF : 7312377187012425
 Right: -5.517 +/- 0.000 χ^2/NDF : 2760339889261500
 In: -221.151 +/- 0.000 χ^2/NDF : 5188796189929361
 Out: 126.428 +/- 0.000 χ^2/NDF : 4149856493063186
 All: -51.348 +/- 0.000 χ^2/NDF : 101283417300

dit_usl_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1143.820+/-0.000 χ^2/NDF : 19022286139170430858050564231889158144.0/7
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1244.321+/-0.000 χ^2/NDF : 28343886144136596546146079788396183552.0/7
 All: -58.330+/-0.000 χ^2/NDF : 336452942378

dit_usr_coil1_mean vs Slug, Sign Corrected



Right In: -18100.637+/-0.000

Left Out: -26026.270+/-0.000

Right Out: 16773.604+/-0.000

Left In: 28507.738+/-0.000

χ^2/NDF : 14634967546173586967632040765428699496448.0/14

χ^2/NDF : 14867044981393266361677534582444757352448.0/8

χ^2/NDF : 14234547931135812277474342886568366178304.0/15

χ^2/NDF : 4421453040965827914256709952502547611648.0/7

Left: 1460.146+/-0.000 χ^2/NDF : 103557285168057.0/14

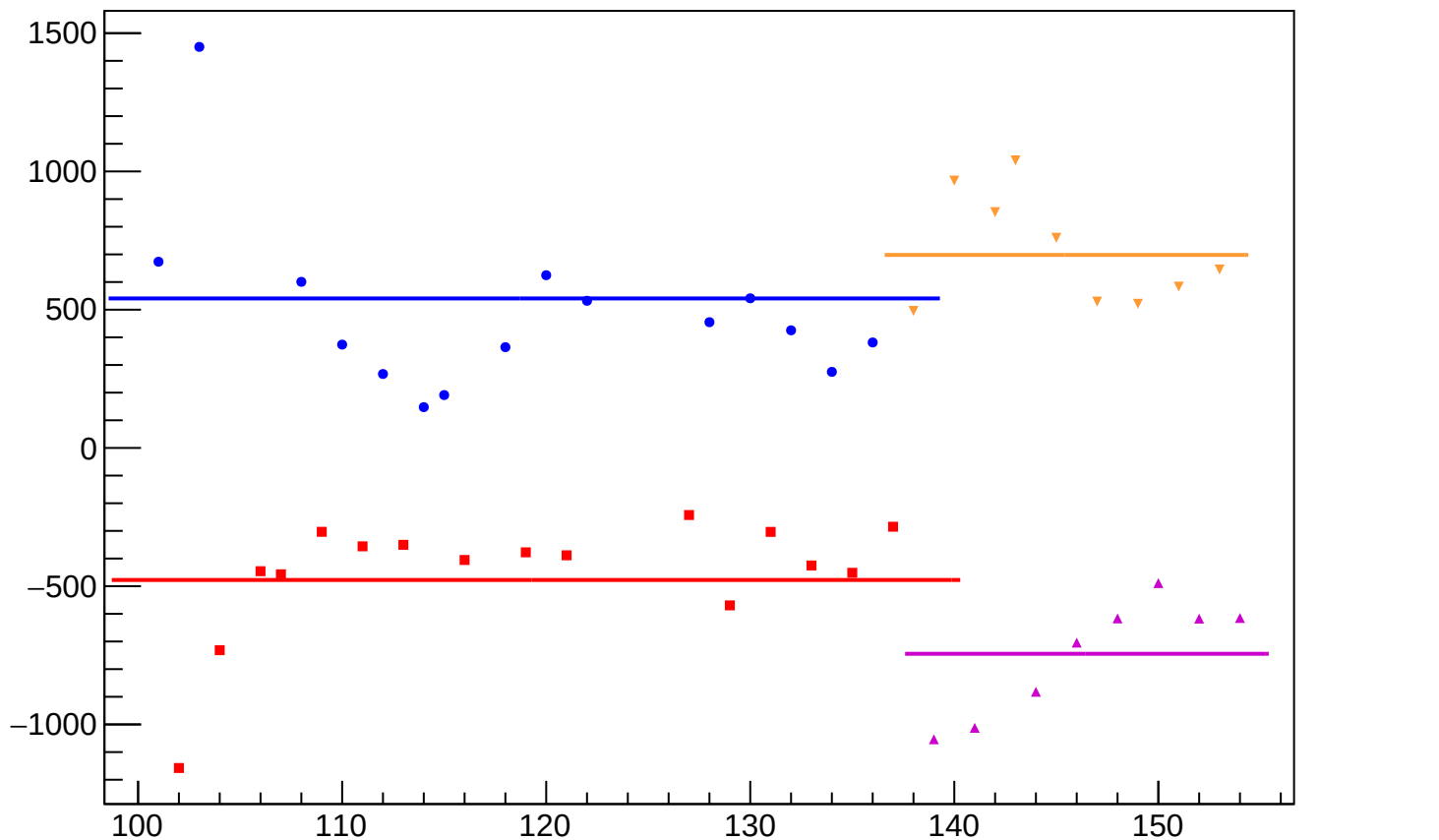
Right: -425.015+/-0.000 χ^2/NDF : 42892863582613.0/14

In: 5900.238+/-0.000 χ^2/NDF : 7450549234027138.0/14

Out: -4801.351+/-0.000 χ^2/NDF : 64501298405718.0/14

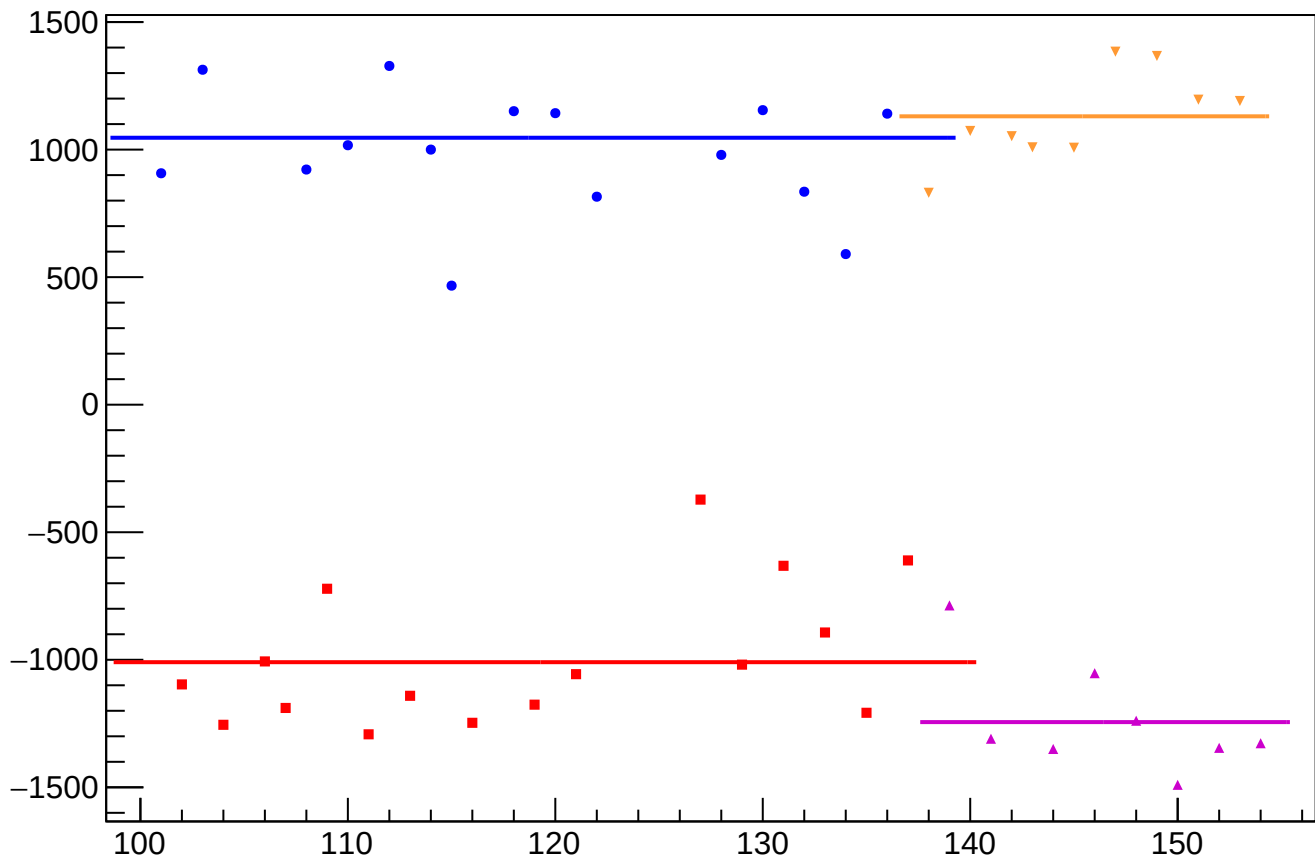
All: 535.483+/-0.000 χ^2/NDF : 146688435922.0/14

dit_usr_coil1_err_mean vs Slug, Sign Corrected



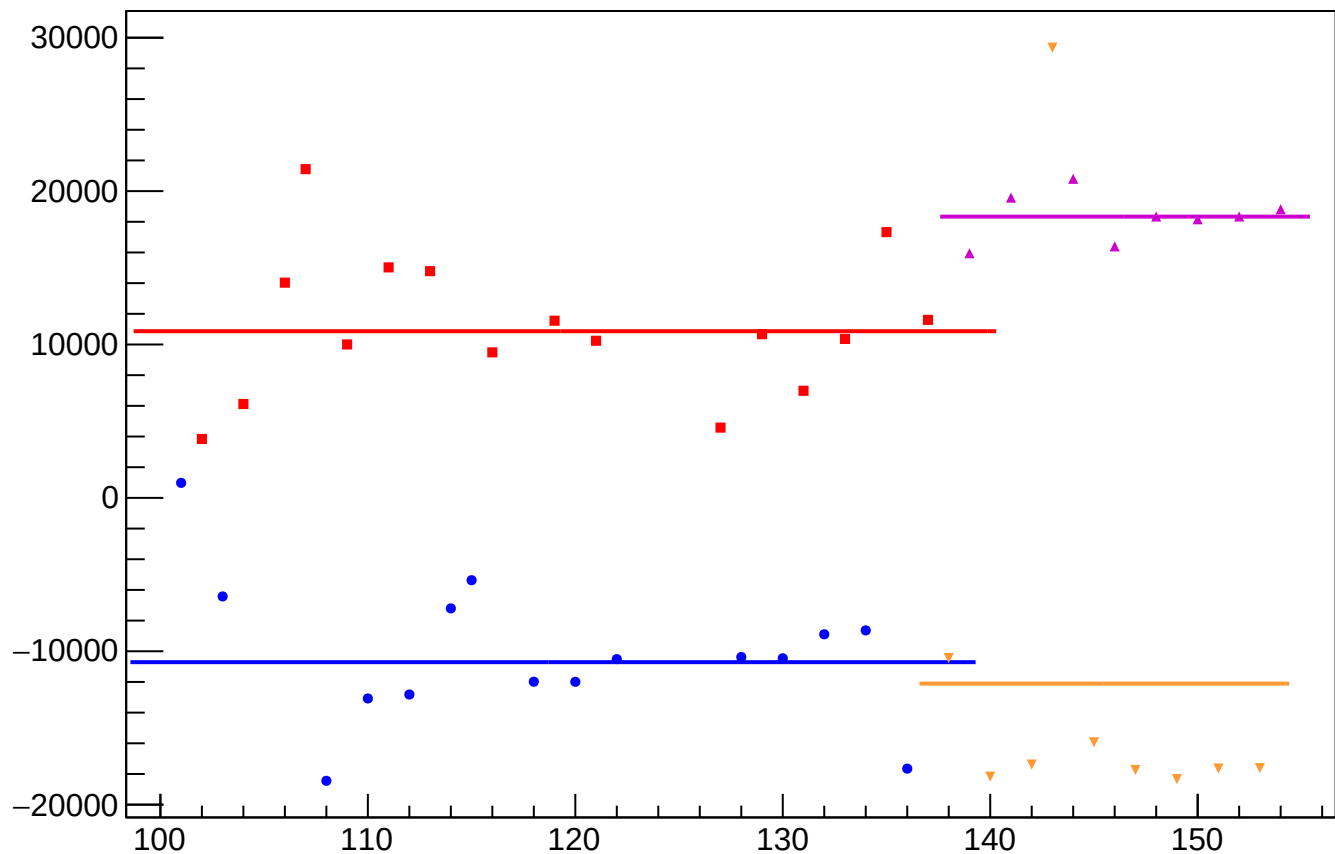
Right In: 540.663 $\pm$ 0.000 χ^2 /NDF: 64546819695986774721678785082975846400.0/14
 Left Out: 698.015 $\pm$ 0.000 χ^2 /NDF: 24458660585820048768267034305497137152.0/8
 Right Out: -477.546 $\pm$ 0.000 χ^2 /NDF: 38798306504296954461537116809760604160.0/15
 Left In: -744.515 $\pm$ 0.000 χ^2 /NDF: 25875821742539979093871789790940102656.0/7
 All: -2.739 $\pm$ 0.000 χ^2 /NDF: 1207735130149

dit_usr_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1130.493+/-0.000 χ^2/NDF : 20120490540226280517278959515063025664.0/8
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1244.321+/-0.000 χ^2/NDF : 28343886144136596546146079788396183552.0/7
 All: -31.678+/-0.000 χ^2/NDF : 343894310274

dit_atl1_coil1_mean vs Slug, Sign Corrected



Right In: -10710.292+/-0.000

χ^2/NDF : 16945226152053511840482618402250170564608.0/14

Left Out: -12107.270+/-0.000

χ^2/NDF : 131536810583894942018766366208097771323392.0/8

Right Out: 10866.264+/-0.000

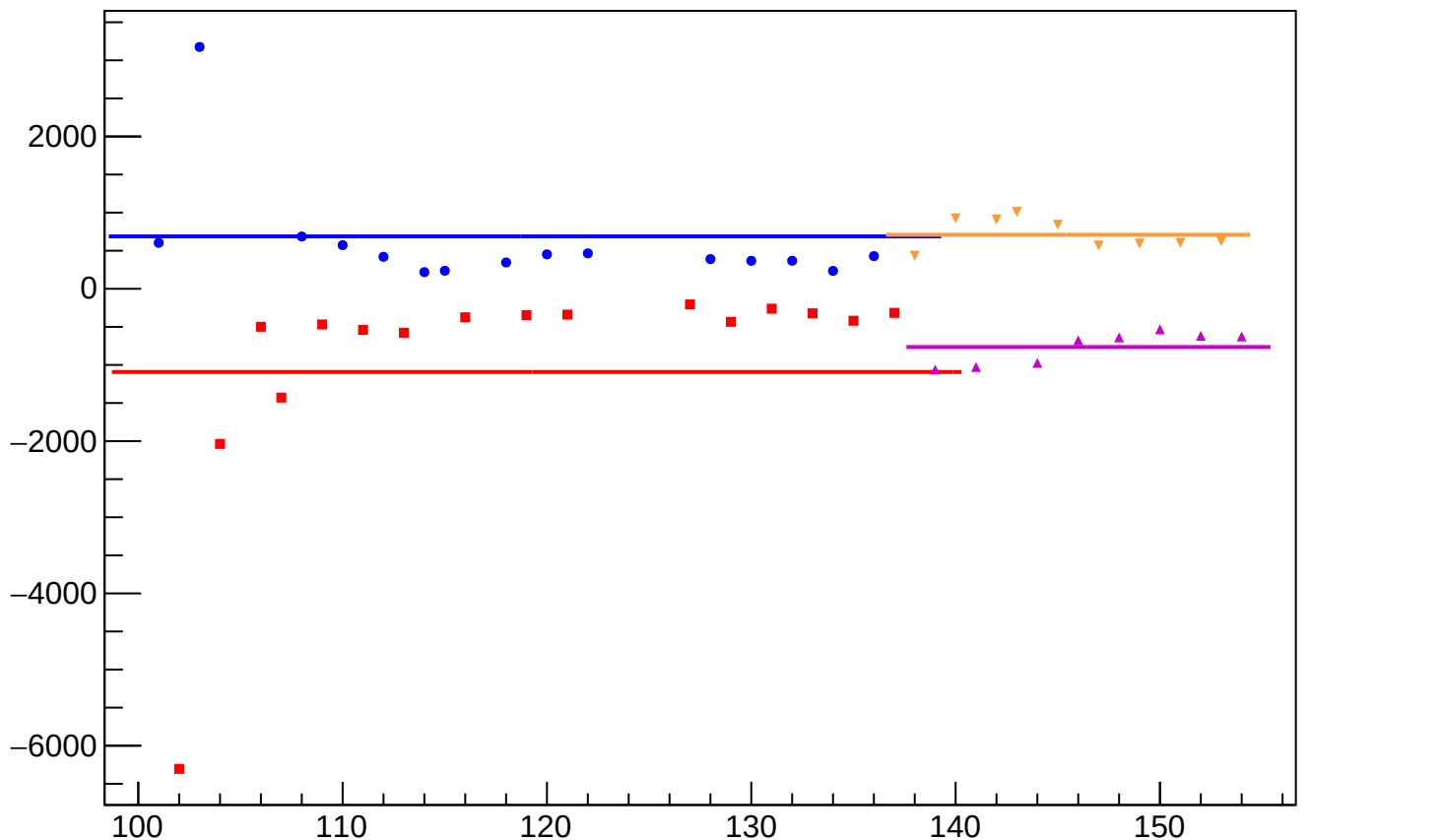
χ^2/NDF : 14234762838858382484525901644131626647552.0/15

Left In: 18336.025+/-0.000

χ^2/NDF : 1468790705193088884237931517352601452544.0/7

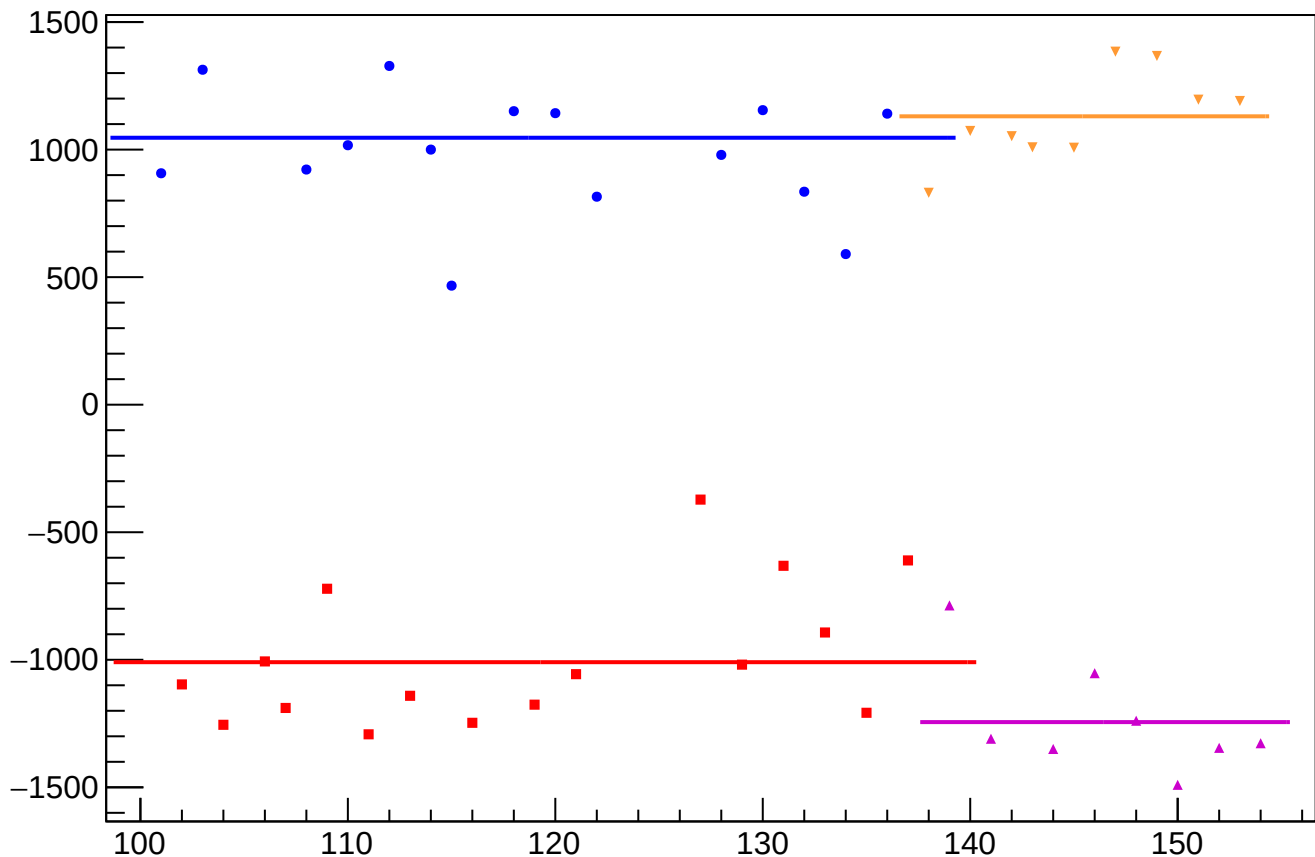
All: 1759.825+/-0.000 χ^2/NDF : 64011374710

dit_atl1_coil1_err_mean vs Slug, Sign Corrected



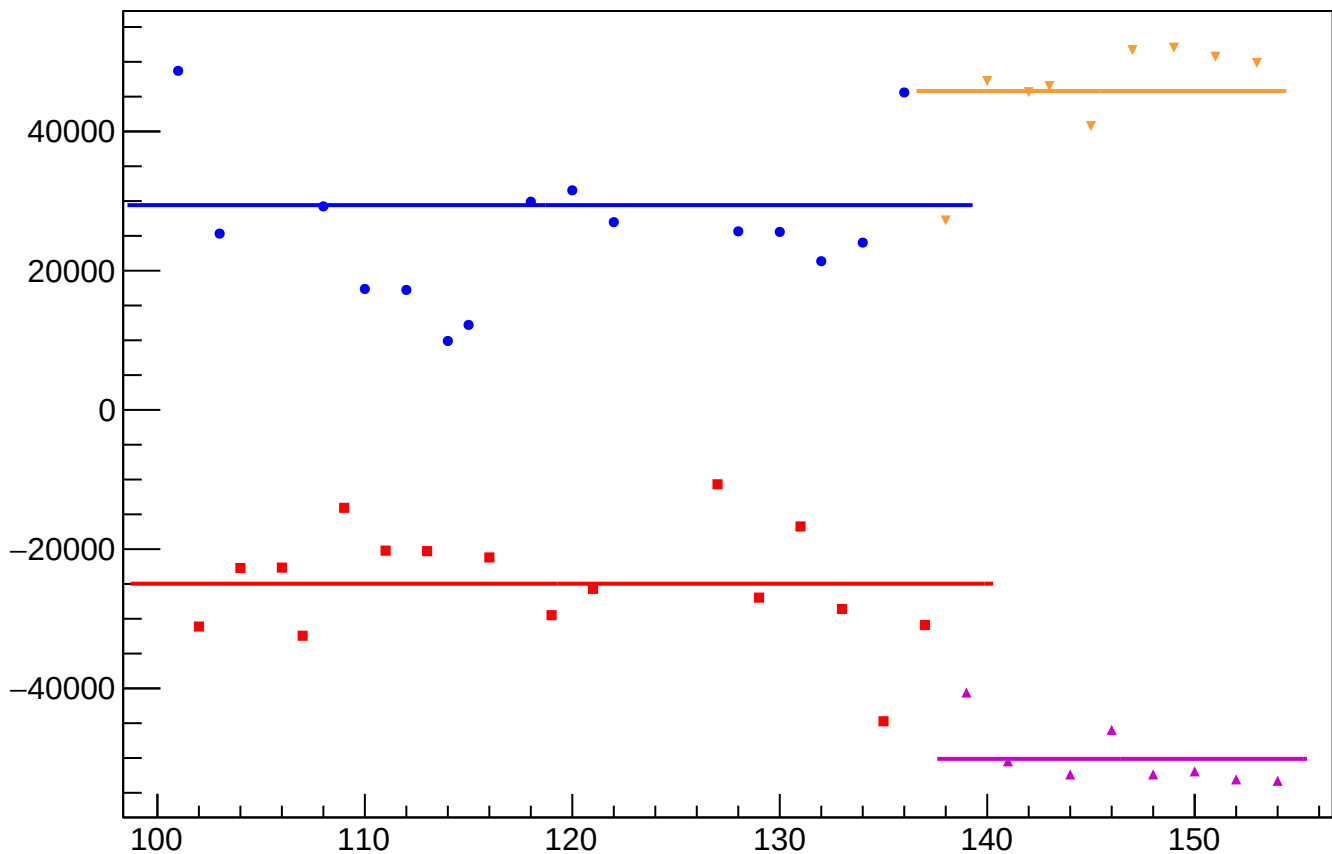
Right In: 687.939 +/- 0.000 χ^2/NDF : 409297141104301509817753390759024787456.0/14
 Left Out: 709.085 +/- 0.000 χ^2/NDF : 23207937972589986519725978689850048512.0/8
 Right Out: -1092.265 +/- 0.000 χ^2/NDF : 1883198142929605813456233812946948456448.0/15
 Left In: -765.105 +/- 0.000 χ^2/NDF : 27370766552329248162271038243740844032.0/7
 All: -122.425 +/- 0.000 χ^2/NDF : 41499962027

dit_atl1_coil1_Ndata_mean vs Slug, Sign Corrected



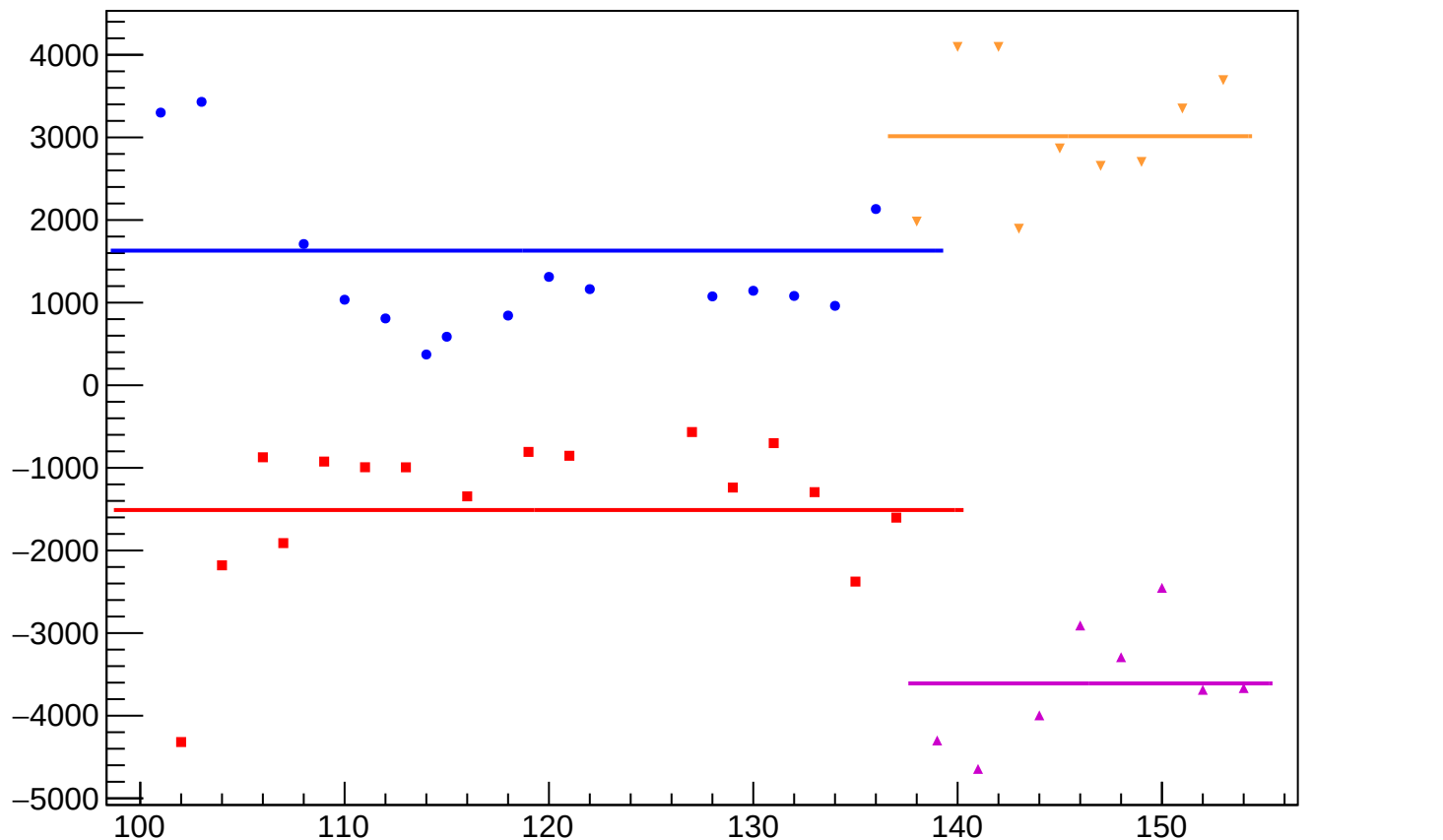
Right In: 1046.490+/-0.000	χ^2/NDF : 24866624766048512267031234680614551552.0/14	Left: -66.469+/-0.000	χ^2/NDF : 1975720239536701
Left Out: 1130.493+/-0.000	χ^2/NDF : 20120490540226280517278959515063025664.0/8	Right: 4.462+/-0.000	χ^2/NDF : 14598494086105576
Right Out: -1009.445+/-0.000	χ^2/NDF : 44602783681728168935494176019868286976.0/15	In: -133.158+/-0.000	χ^2/NDF : 1807035388337786
Left In: -1244.321+/-0.000	χ^2/NDF : 28343886144136596546146079788396183552.0/7	Out: 69.274+/-0.000	χ^2/NDF : 16044214157712594
		All: -31.678+/-0.000	χ^2/NDF : 343894310274

dit_atl2_coil1_mean vs Slug, Sign Corrected



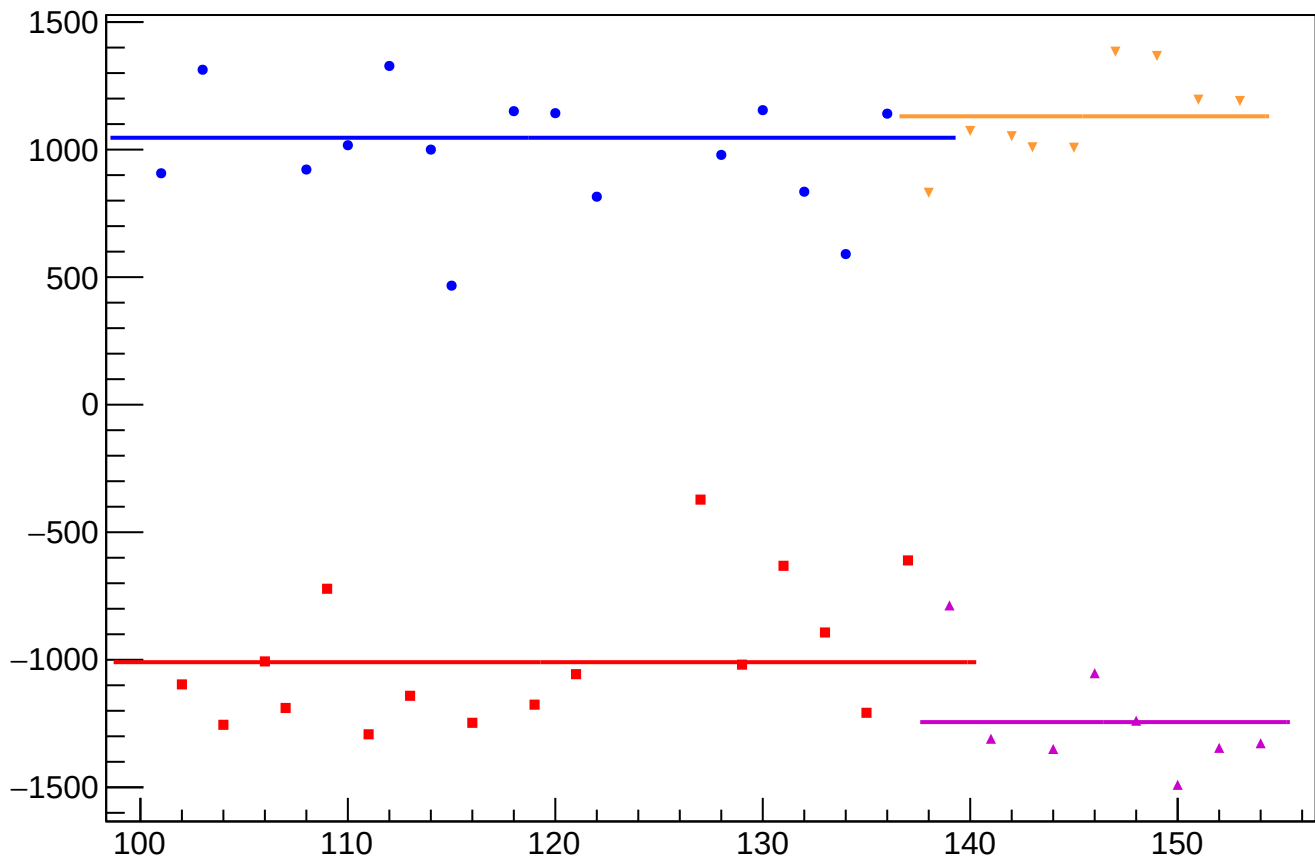
Right In: 29415.830+/-0.000 χ^2/NDF : 71764989638928082906774979753894809174016.0/14
 Left Out: 45806.202+/-0.000 χ^2/NDF : 38424695085464585597954846322942235639808.0/8
 Right Out: -24963.010+/-0.000 χ^2/NDF : 45631572920122171972835961685494315614208.0/15
 Left In: -50122.928+/-0.000 χ^2/NDF : 11600844395861217304754549935266689187840.0/7
 All: -386.711+/-0.000 χ^2/NDF : 42978023442

dit_atl2_coil1_err_mean vs Slug, Sign Corrected



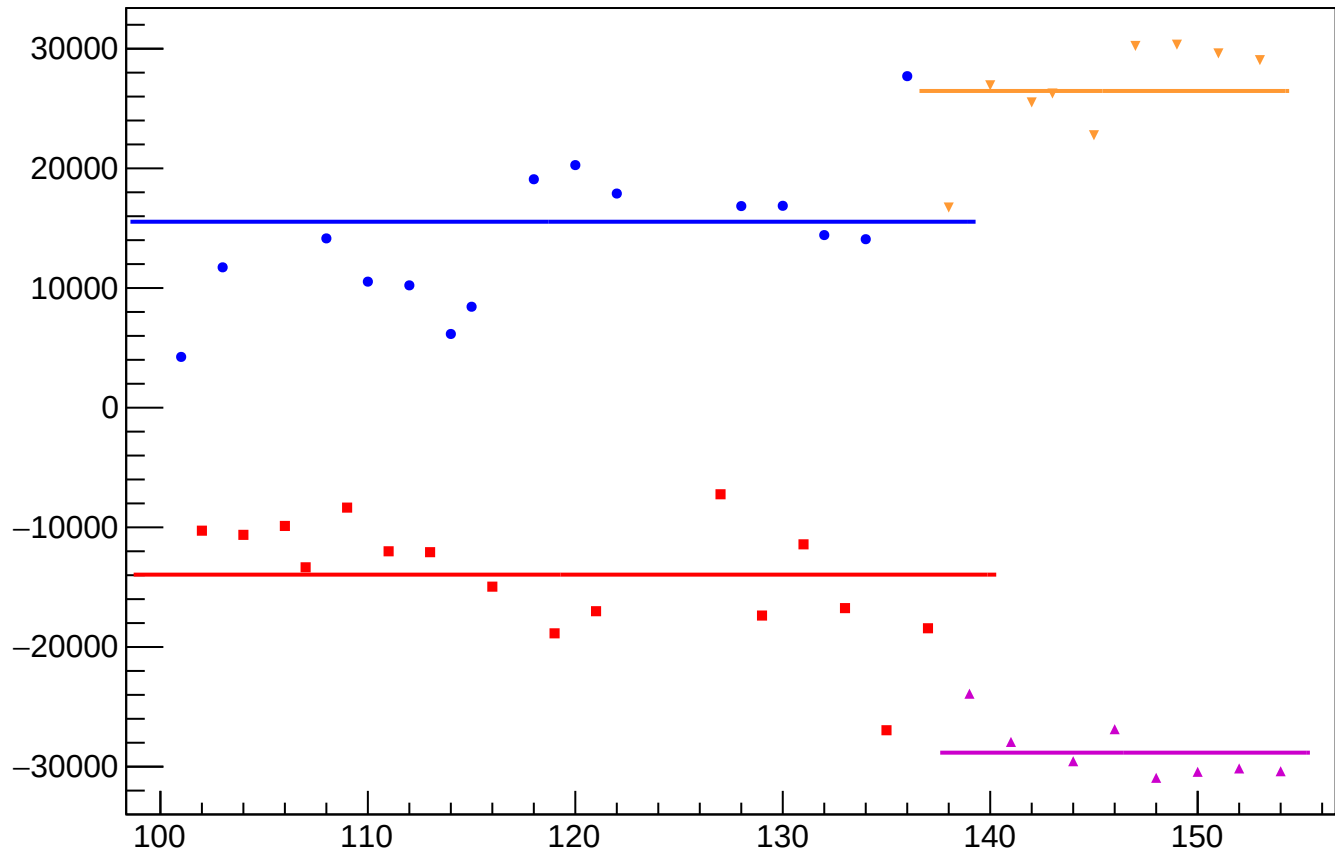
Right In: 1629.542+/-0.000 χ^2/NDF : 551738555355028902194697896437152219136.0/14
 Left Out: 3014.483+/-0.000 χ^2/NDF : 384528349365157138775450922820231495680.0/8
 Right Out: -1510.293+/-0.000 χ^2/NDF : 688231904046816211321774524619745656832.0/15
 Left In: -3608.996+/-0.000 χ^2/NDF : 314903735368811434582638438366201249792.0/7
 All: -146.318+/-0.000 χ^2/NDF : 20261922692

dit_atl2_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1130.493+/-0.000 χ^2/NDF : 20120490540226280517278959515063025664.0/8
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1244.321+/-0.000 χ^2/NDF : 28343886144136596546146079788396183552.0/7
 All: -31.678+/-0.000 χ^2/NDF : 343894310274

dit_atr1_coil1_mean vs Slug, Sign Corrected



Right In: 15540.787+/-0.000

χ^2/NDF : 27383635886523601832377795383509714468864.0/14

Left Out: 26468.657+/-0.000

χ^2/NDF : 12256648431506992594027807789248214466560.0/8

Right Out: -13951.799+/-0.000

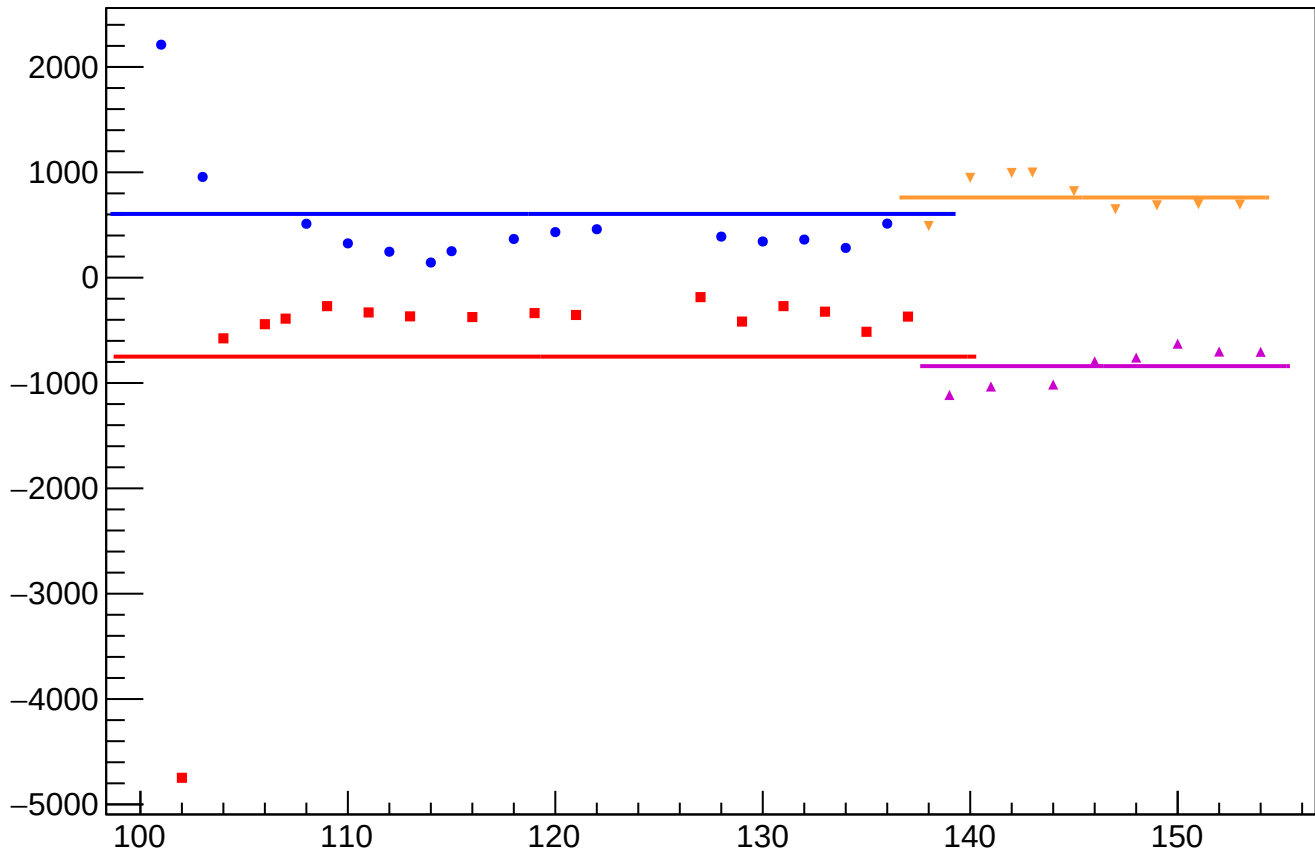
χ^2/NDF : 16954071035739584664612813430748100952064.0/15

Left In: -28829.681+/-0.000

χ^2/NDF : 3368599030603175586194039704097254277120.0/7

All: -424.070+/-0.000 χ^2/NDF : 13937202920

dit_atr1_coil1_err_mean vs Slug, Sign Corrected



Right In: 605.034+/-0.000

χ^2/NDF : 189401522791607614448600157723362852864.0/14

Left Out: 760.876+/-0.000

χ^2/NDF : 17239569046793410913222338060818055168.0/8

Right Out: -749.582+/-0.000

χ^2/NDF : 1021358768377495935693748779804344188928.0/15

Left In: -839.759+/-0.000

χ^2/NDF : 20158584936000808260929921326874886144.0/7

Left: -45.881+/-0.000 χ^2/NDF : 9129163908781631

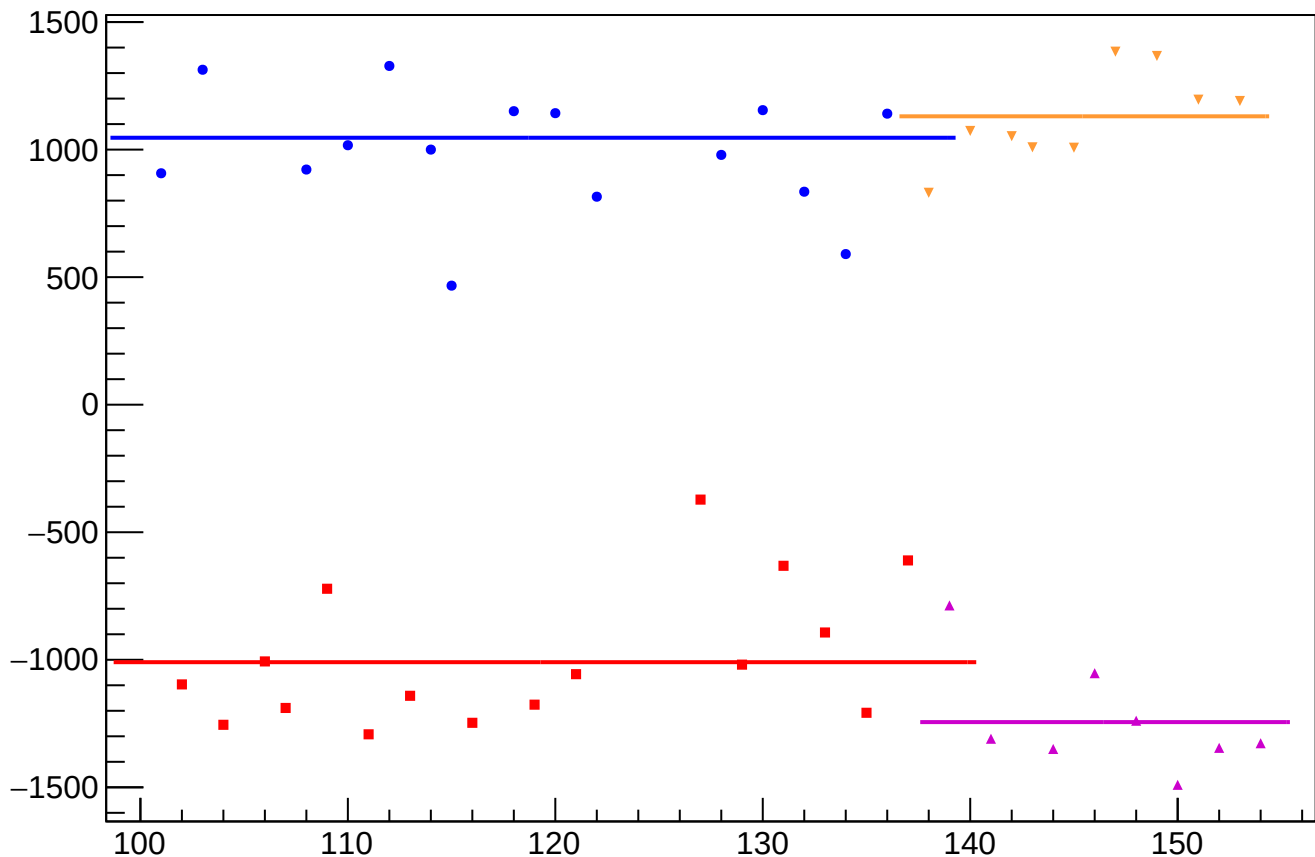
Right: -81.538+/-0.000 χ^2/NDF : 181435748538570

In: -138.959+/-0.000 χ^2/NDF : 9071803968039846

Out: 11.824+/-0.000 χ^2/NDF : 18056963406895143

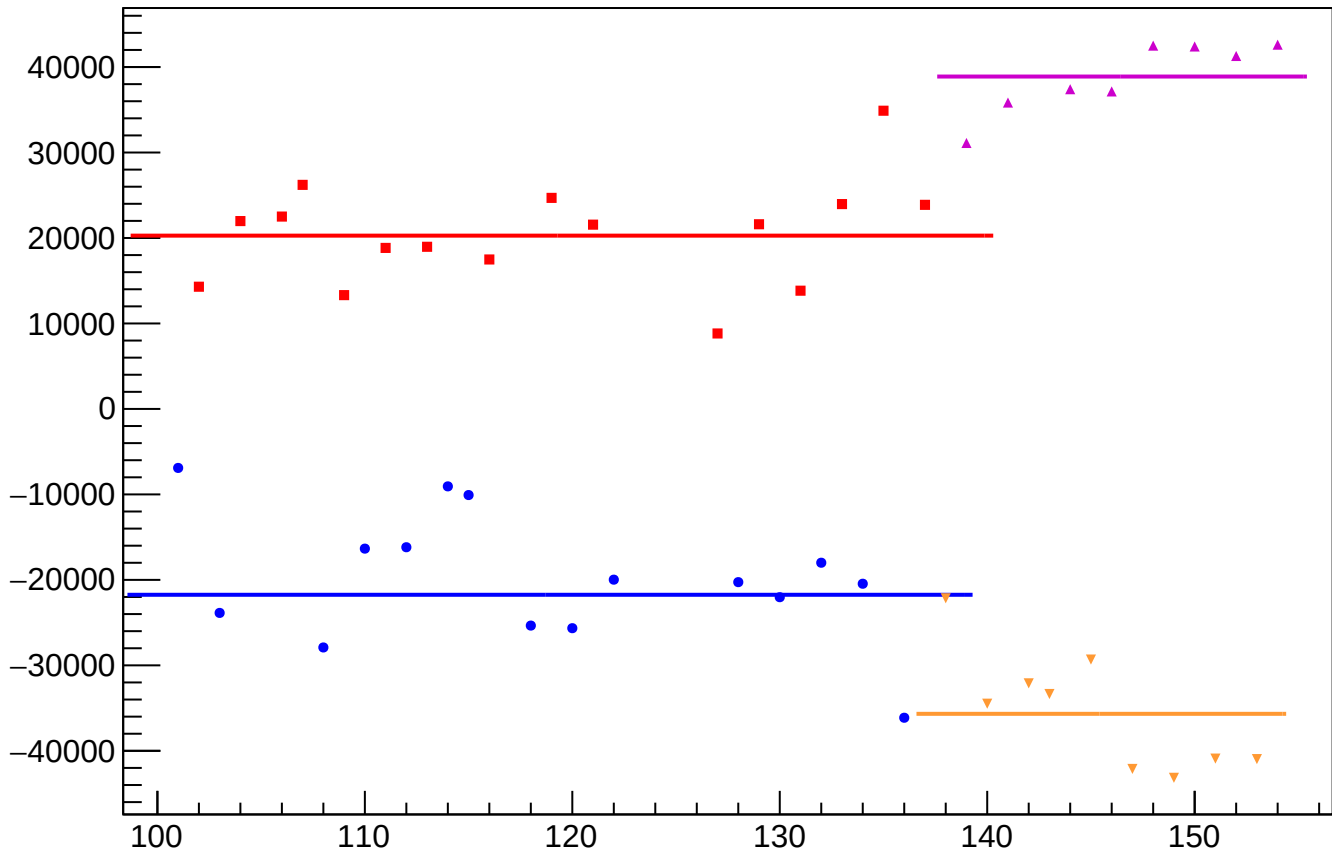
All: -63.371+/-0.000 χ^2/NDF : 272812636517

dit_atr1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000	χ^2/NDF : 24866624766048512267031234680614551552.0/14	Left: -66.469+/-0.000	χ^2/NDF : 1975720239536701
Left Out: 1130.493+/-0.000	χ^2/NDF : 20120490540226280517278959515063025664.0/8	Right: 4.462+/-0.000	χ^2/NDF : 14598494086105576
Right Out: -1009.445+/-0.000	χ^2/NDF : 44602783681728168935494176019868286976.0/15	In: -133.158+/-0.000	χ^2/NDF : 1807035388337786
Left In: -1244.321+/-0.000	χ^2/NDF : 28343886144136596546146079788396183552.0/7	Out: 69.274+/-0.000	χ^2/NDF : 16044214157712594
		All: -31.678+/-0.000	χ^2/NDF : 343894310274

dit_atr2_coil1_mean vs Slug, Sign Corrected



Right In: -21743.360+/-0.000

Left Out: -35670.860+/-0.000

Right Out: 20275.415+/-0.000

Left In: 38889.311+/-0.000

χ^2/NDF : 41106858823579527325198675675398793068544.0/14

χ^2/NDF : 31028497097861503546961035694991915089920.0/8

χ^2/NDF : 25935869132092920231681532417627320745984.0/15

χ^2/NDF : 10090011767998516933951818235852091293696.0/7

Left: 1909.211+/-0.000 χ^2/NDF : 194085860217353

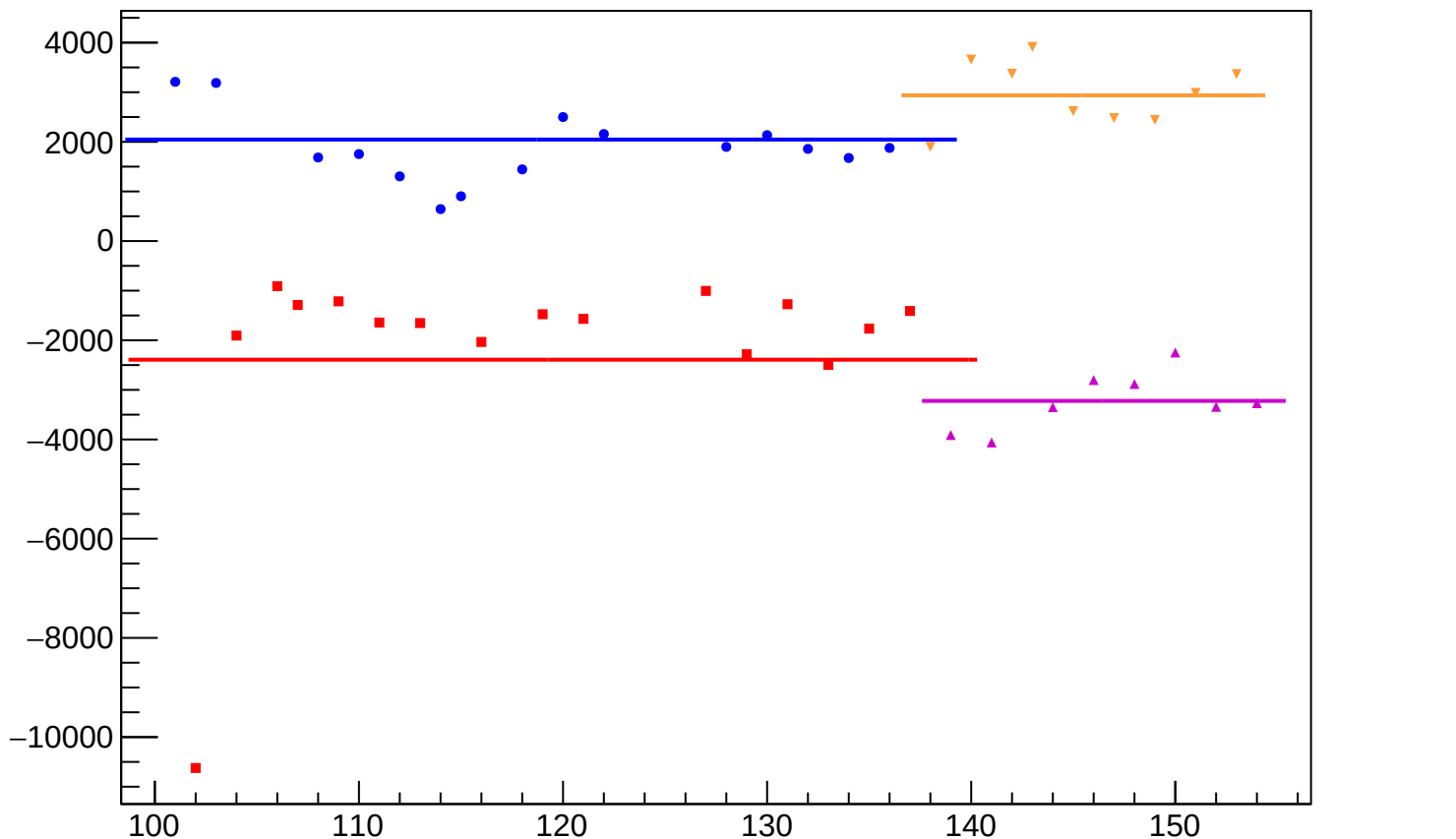
Right: -446.610+/-0.000 χ^2/NDF : 64780902874572

In: 9479.293+/-0.000 χ^2/NDF : 1279827099058283

Out: -7926.499+/-0.000 χ^2/NDF : 11093516585065

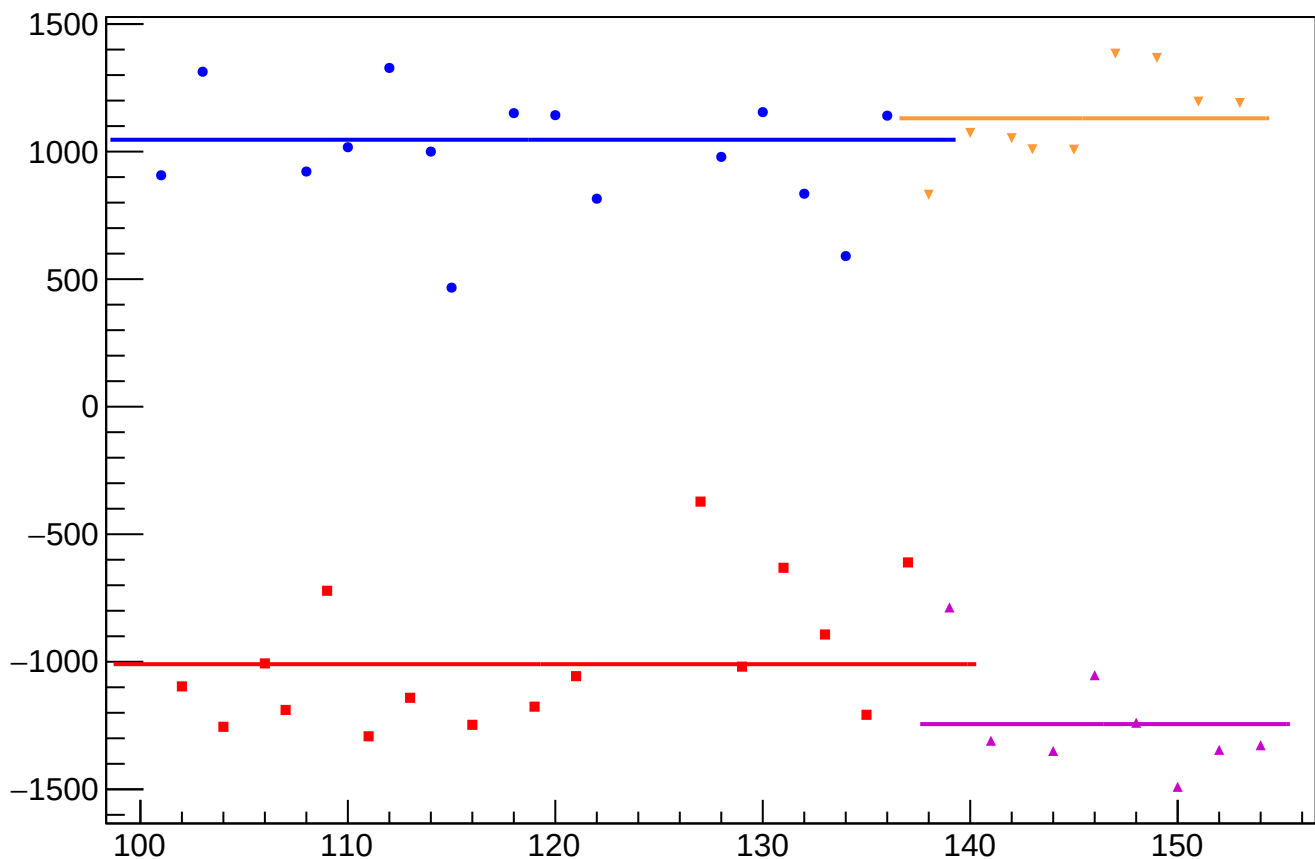
All: 753.691+/-0.000 χ^2/NDF : 259238887715

dit_atr2_coil1_err_mean vs Slug, Sign Corrected



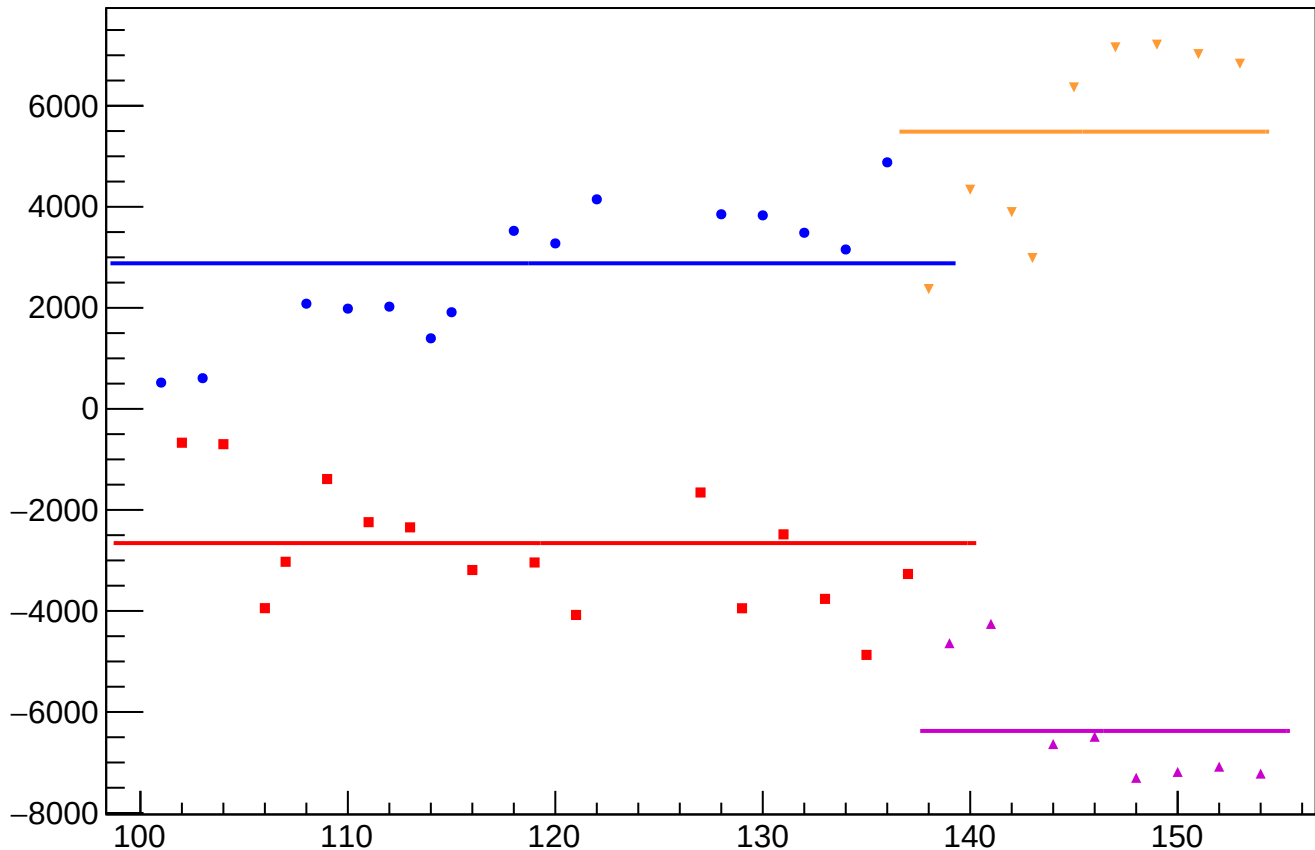
Right In: 2046.354+/-0.000 χ^2/NDF : 26655515927348892036833058355226345472.0/14
 Left Out: 2937.785+/-0.000 χ^2/NDF : 260425864865743426934820648380478259200.0/8
 Right Out: -2391.939+/-0.000 χ^2/NDF : 4415294964789778815259357544579499819008.0/15
 Left In: -3222.582+/-0.000 χ^2/NDF : 211731435672313606140172887379572424704.0/7
 All: -184.823+/-0.000 χ^2/NDF : 24603064425

dit_atr2_coil1_Ndata_mean vs Slug, Sign Corrected



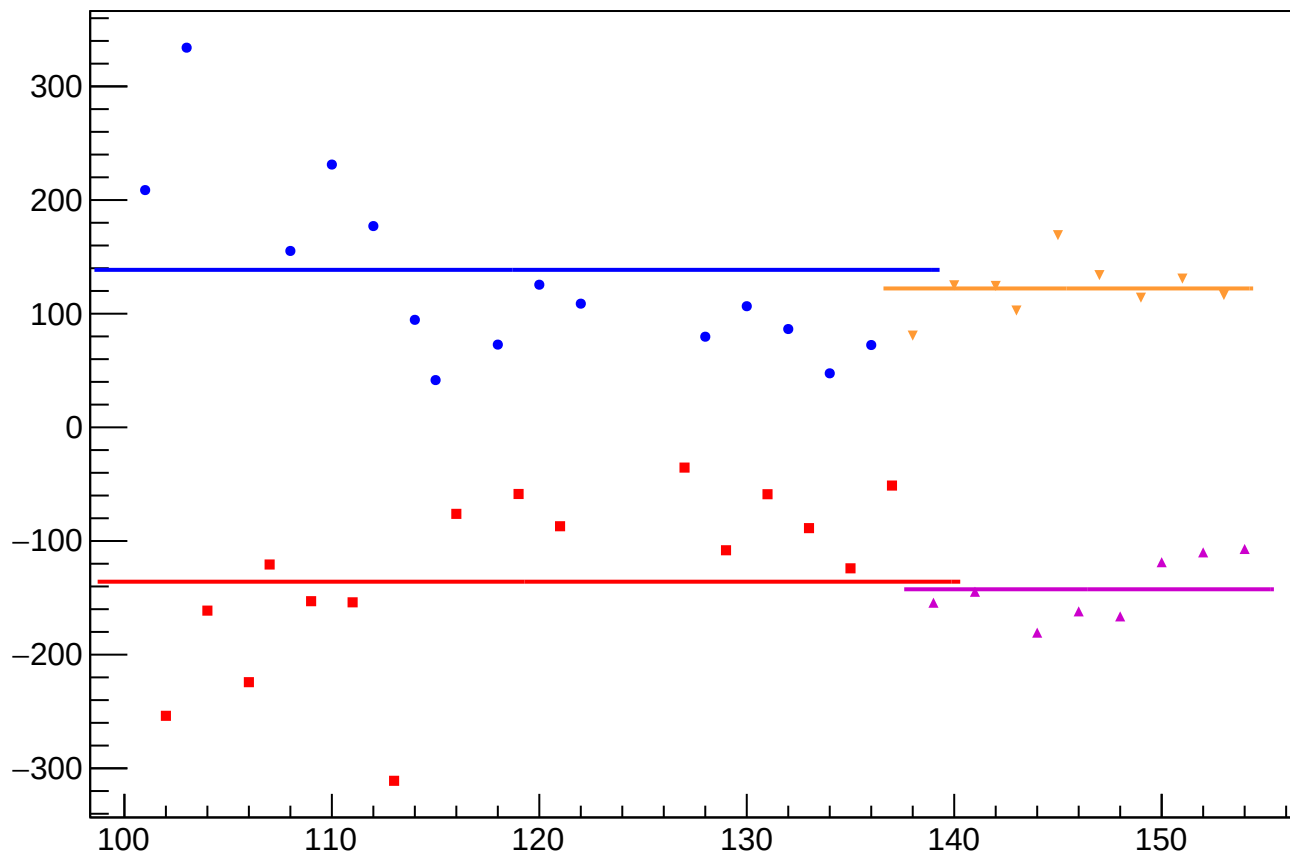
Right In: 1046.490+/-0.000	χ^2/NDF : 24866624766048512267031234680614551552.0/14	Left: -66.469+/-0.000	χ^2/NDF : 1975720239536701
Left Out: 1130.493+/-0.000	χ^2/NDF : 20120490540226280517278959515063025664.0/8	Right: 4.462+/-0.000	χ^2/NDF : 14598494086105576
Right Out: -1009.445+/-0.000	χ^2/NDF : 44602783681728168935494176019868286976.0/15	In: -133.158+/-0.000	χ^2/NDF : 1807035388337786
Left In: -1244.321+/-0.000	χ^2/NDF : 28343886144136596546146079788396183552.0/7	Out: 69.274+/-0.000	χ^2/NDF : 16044214157712594
		All: -31.678+/-0.000	χ^2/NDF : 343894310274

dit_sam1_coil1_mean vs Slug, Sign Corrected



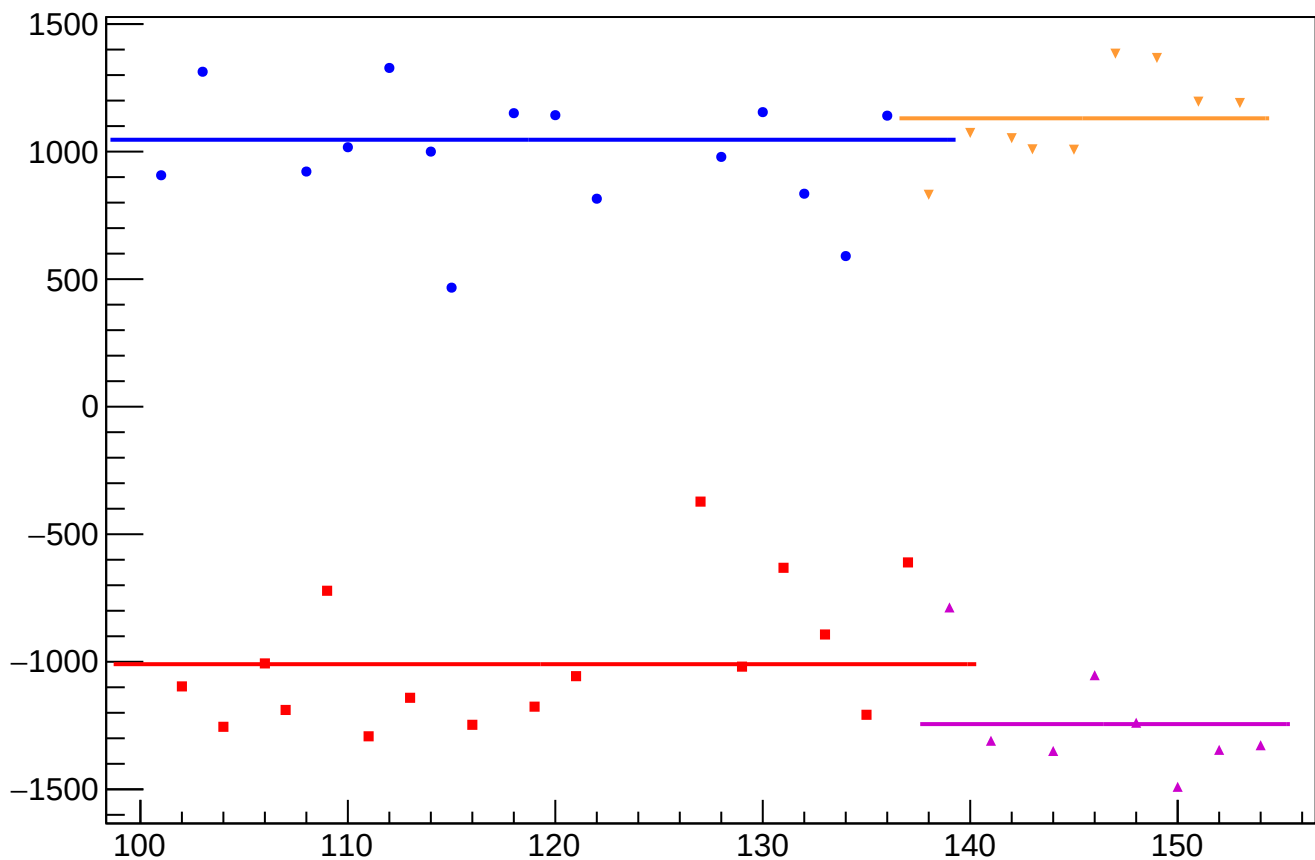
Right In: 2881.935+/-0.000 χ^2/NDF : 1320319391496525533692082365878834823168.0/14
 Left Out: 5487.814+/-0.000 χ^2/NDF : 2265059786101384715539755538804891451392.0/8
 Right Out: -2656.918+/-0.000 χ^2/NDF : 1077696846216053561130716877125509447680.0/15
 Left In: -6375.351+/-0.000 χ^2/NDF : 872250928566982324375579744768117178368.0/7
 All: -213.816+/-0.000 χ^2/NDF : 63934656544

dit_sam1_coil1_err_mean vs Slug, Sign Corrected



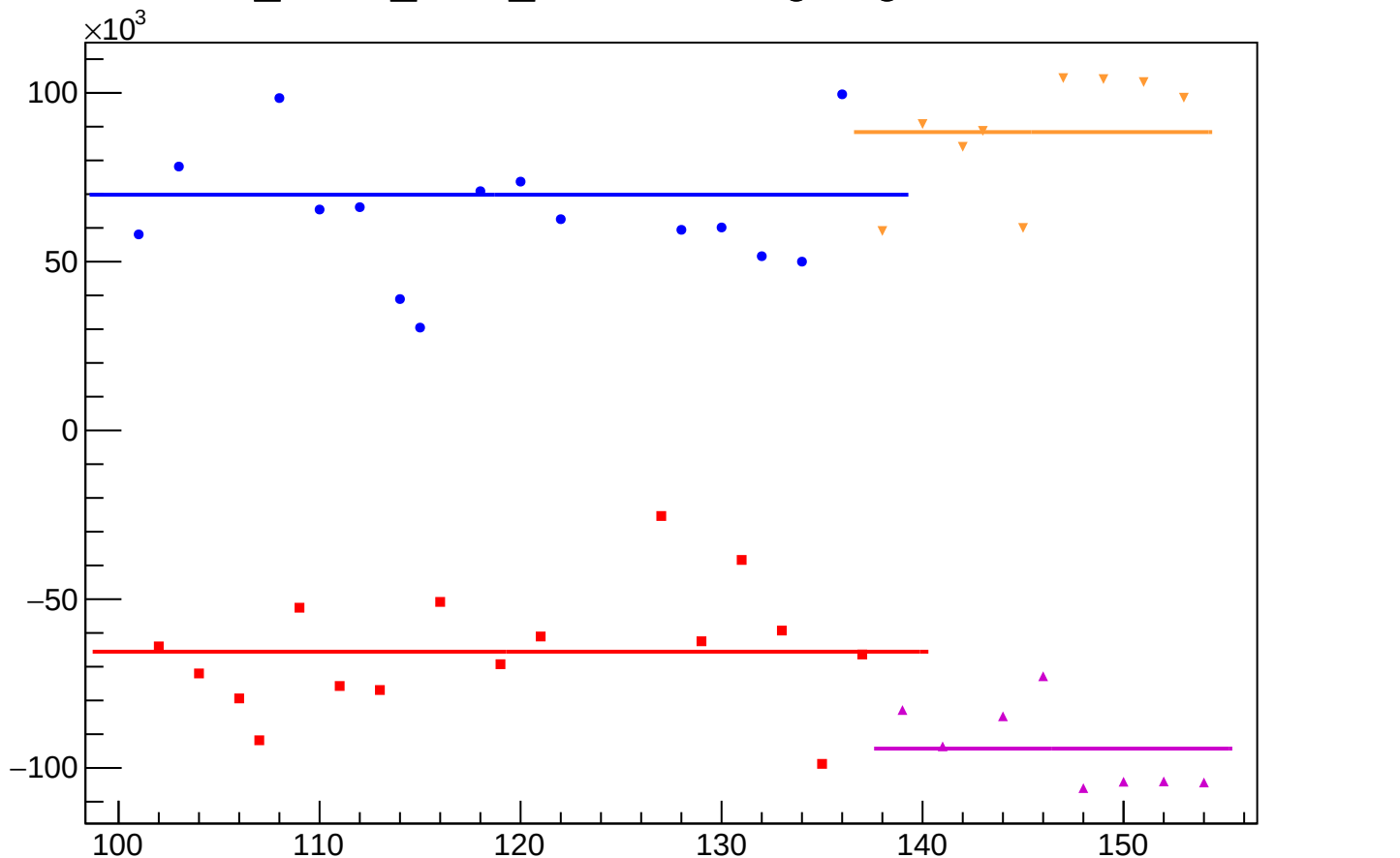
Left: -11.206 ± 0.000 $\chi^2/\text{NDF}: 2478055841626173$
 Right In: 138.577 ± 0.000 $\chi^2/\text{NDF}: 4242369889979811373883774021335515136.0/14$
 Right: -0.492 ± 0.000 $\chi^2/\text{NDF}: 3296375379571767$
 Left Out: 122.204 ± 0.000 $\chi^2/\text{NDF}: 363290562743435807242599011291496448.0/8$
 In: -6.155 ± 0.000 $\chi^2/\text{NDF}: 311187038707158802$
 Right Out: -135.809 ± 0.000 $\chi^2/\text{NDF}: 3956401741862524263243160868173643776.0/15$
 Out: -5.747 ± 0.000 $\chi^2/\text{NDF}: 26702458280271083$
 Left In: -142.485 ± 0.000 $\chi^2/\text{NDF}: 475749759034764175431521607822082048.0/7$
 All: -5.951 ± 0.000 $\chi^2/\text{NDF}: 5782127370018$

dit_sam1_coil1_Ndata_mean vs Slug, Sign Corrected



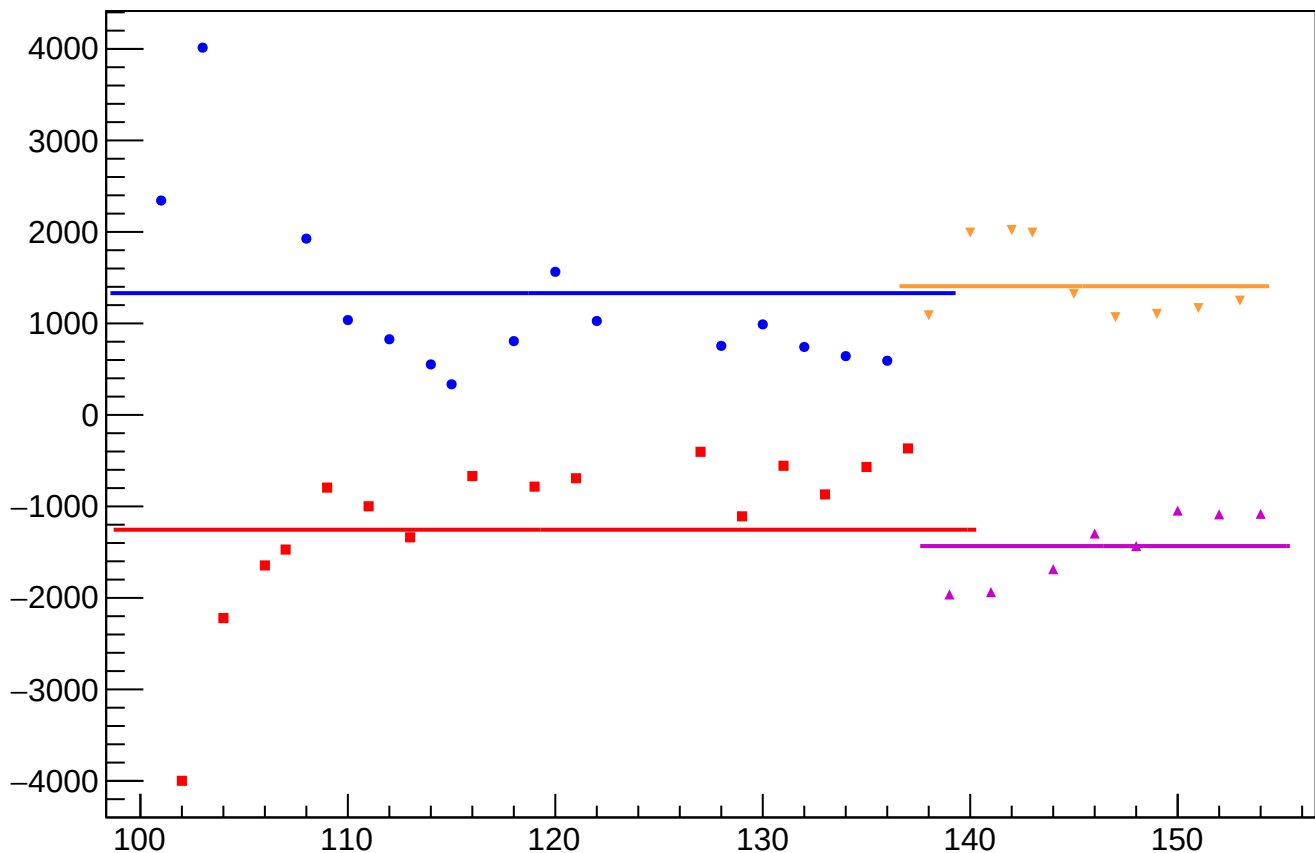
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1130.493+/-0.000 χ^2/NDF : 20120490540226280517278959515063025664.0/8
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1244.321+/-0.000 χ^2/NDF : 28343886144136596546146079788396183552.0/7
 All: -31.678+/-0.000 χ^2/NDF : 343894310274

dit_sam2_coil1_mean vs Slug, Sign Corrected



Right In: 69827.797 $\pm$ 0.000	χ^2 /NDF: 187803282116493131197684060541288926150656.0/14	Left: -3669.954 $\pm$ 0.000	χ^2 /NDF: 11695818870777
Left Out: 88394.057 $\pm$ 0.000	χ^2 /NDF: 200060343646127921237359555303392686374912.0/8	Right: 1210.454 $\pm$ 0.000	χ^2 /NDF: 64287668357099
Right Out: -65555.147 $\pm$ 0.000	χ^2 /NDF: 212001467811386750910625783195999741673472.0/15	In: -14670.970 $\pm$ 0.000	χ^2 /NDF: 92808993410266
Left In: -94264.148 $\pm$ 0.000	χ^2 /NDF: 94343064217856917752993216086522160218112.0/7	Out: 12048.987 $\pm$ 0.000	χ^2 /NDF: 83807739895550
	All: -1276.135 $\pm$ 0.000	χ^2 /NDF: 1814055611	

dit_sam2_coil1_err_mean vs Slug, Sign Corrected



Right In: 1330.956+/-0.000

χ^2/NDF : 649481263842681659449409147059572834304.0/14

Left Out: 1406.748+/-0.000

χ^2/NDF : 100137924724785558771055545814735650816.0/8

Right Out: -1254.871+/-0.000

χ^2/NDF : 632140068983304062809817716800861765632.0/15

Left In: -1433.252+/-0.000

χ^2/NDF : 86616416746380836886752441714138415104.0/7

Left: -24.679+/-0.000

χ^2/NDF : 2942995026449355

Right: 20.358+/-0.000

χ^2/NDF : 3481069250883615

In: -92.467+/-0.000

χ^2/NDF : 32896767546957522

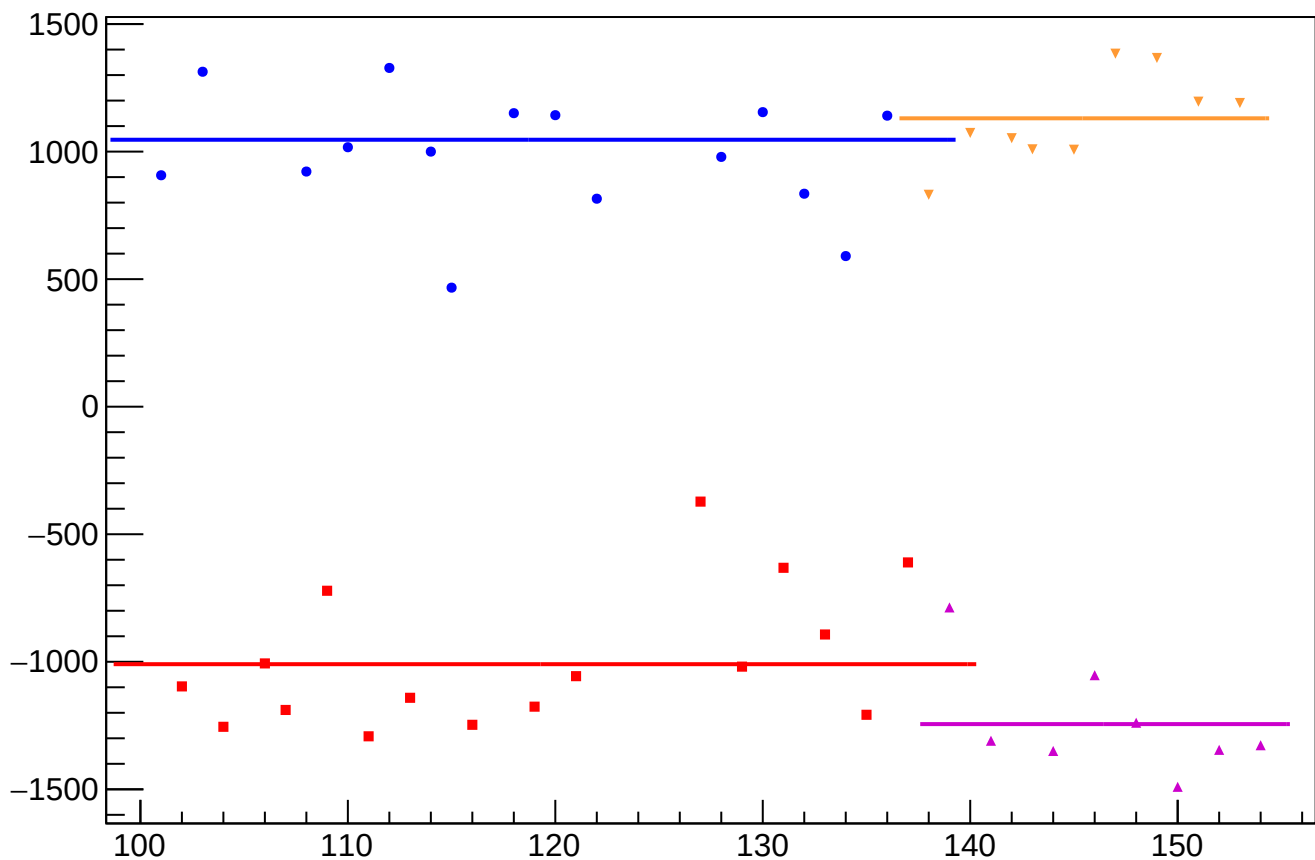
Out: 86.822+/-0.000

χ^2/NDF : 31141867370994045

All: -2.588+/-0.000

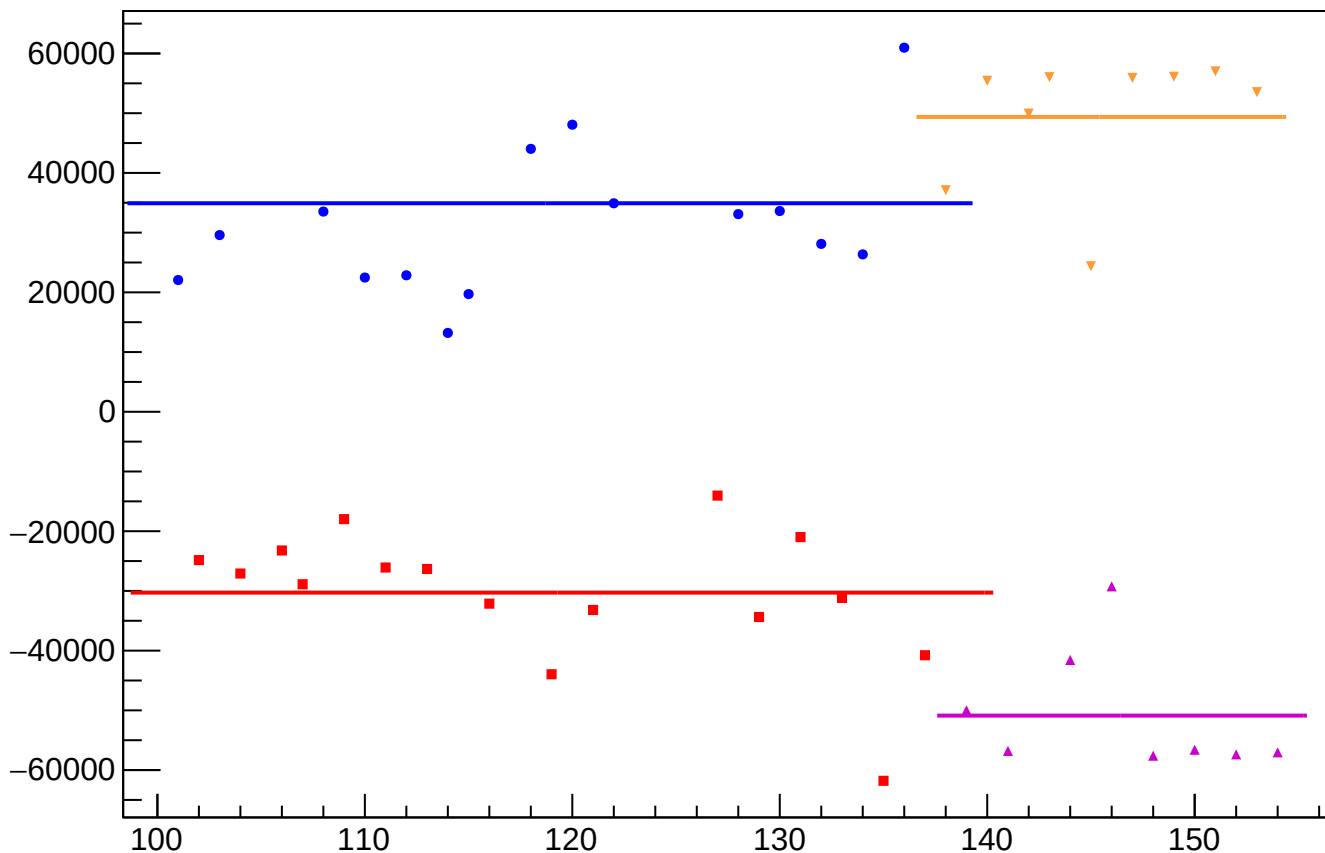
χ^2/NDF : 6425424271297

dit_sam2_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1130.493+/-0.000 χ^2/NDF : 20120490540226280517278959515063025664.0/8
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1244.321+/-0.000 χ^2/NDF : 28343886144136596546146079788396183552.0/7
 All: -31.678+/-0.000 χ^2/NDF : 343894310274

dit_sam3_coil1_mean vs Slug, Sign Corrected



Right In: 34919.716+/-0.000

χ^2/NDF : 106387385440718622155122541848729997017088.0/14

Left Out: 49375.085+/-0.000

χ^2/NDF : 81472466595791448787596754421938604998656.0/8

Right Out: -30282.373+/-0.000

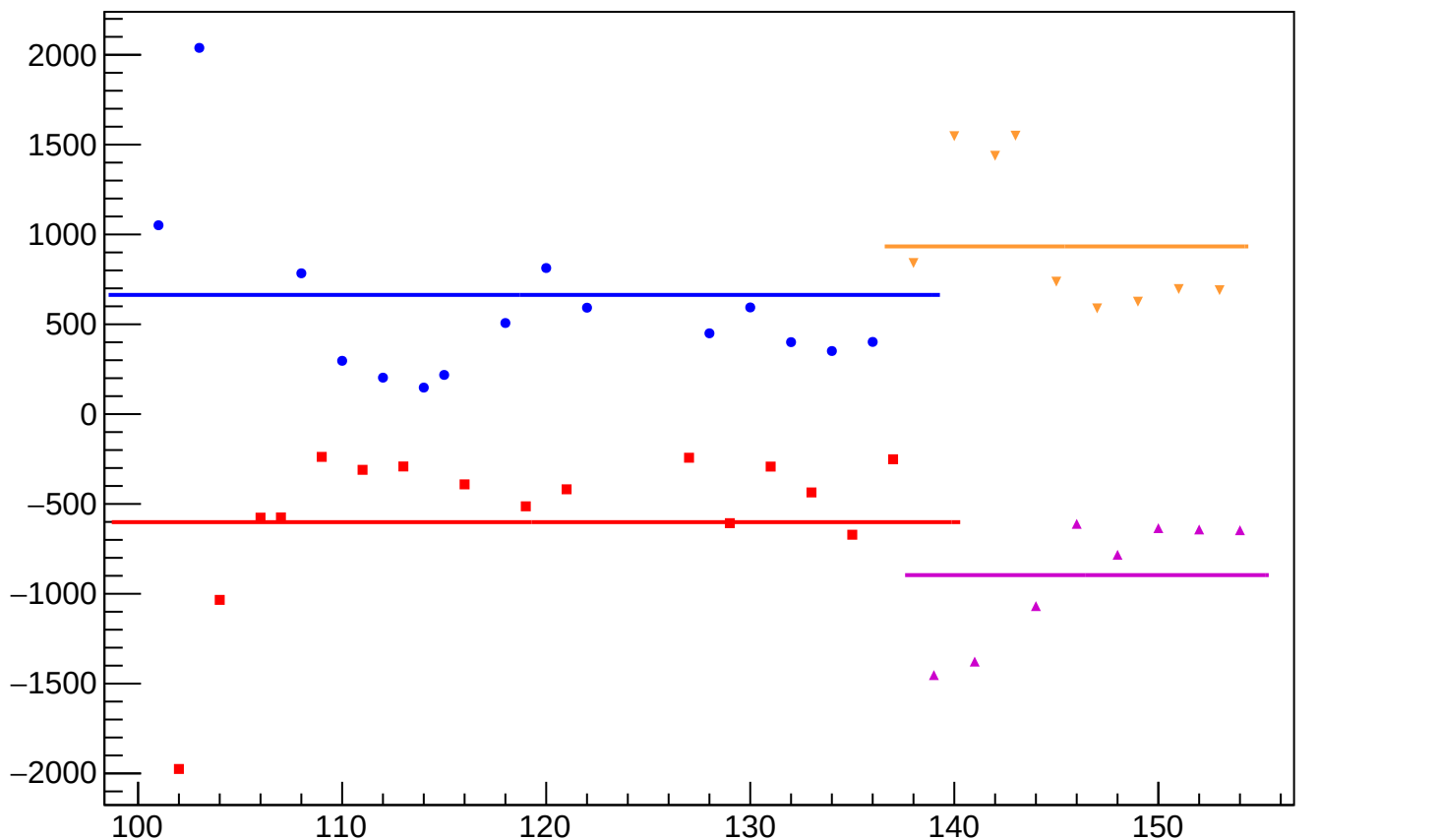
χ^2/NDF : 88346165266593126627598951693506073067520.0/15

Left In: -50878.326+/-0.000

χ^2/NDF : 63435191233370861075242107459237744476160.0/7

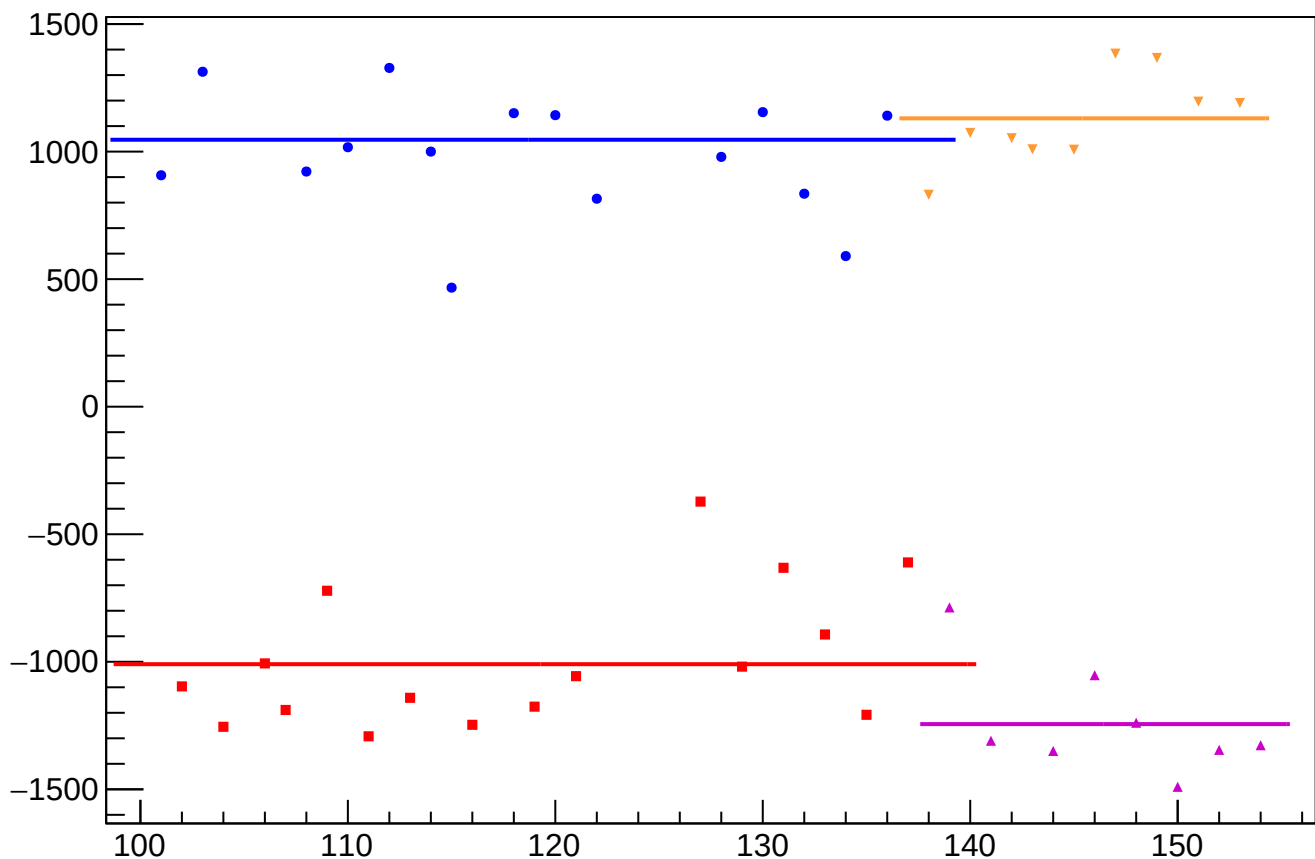
All: 330.113+/-0.000 χ^2/NDF : 517882813414

dit_sam3_coil1_err_mean vs Slug, Sign Corrected



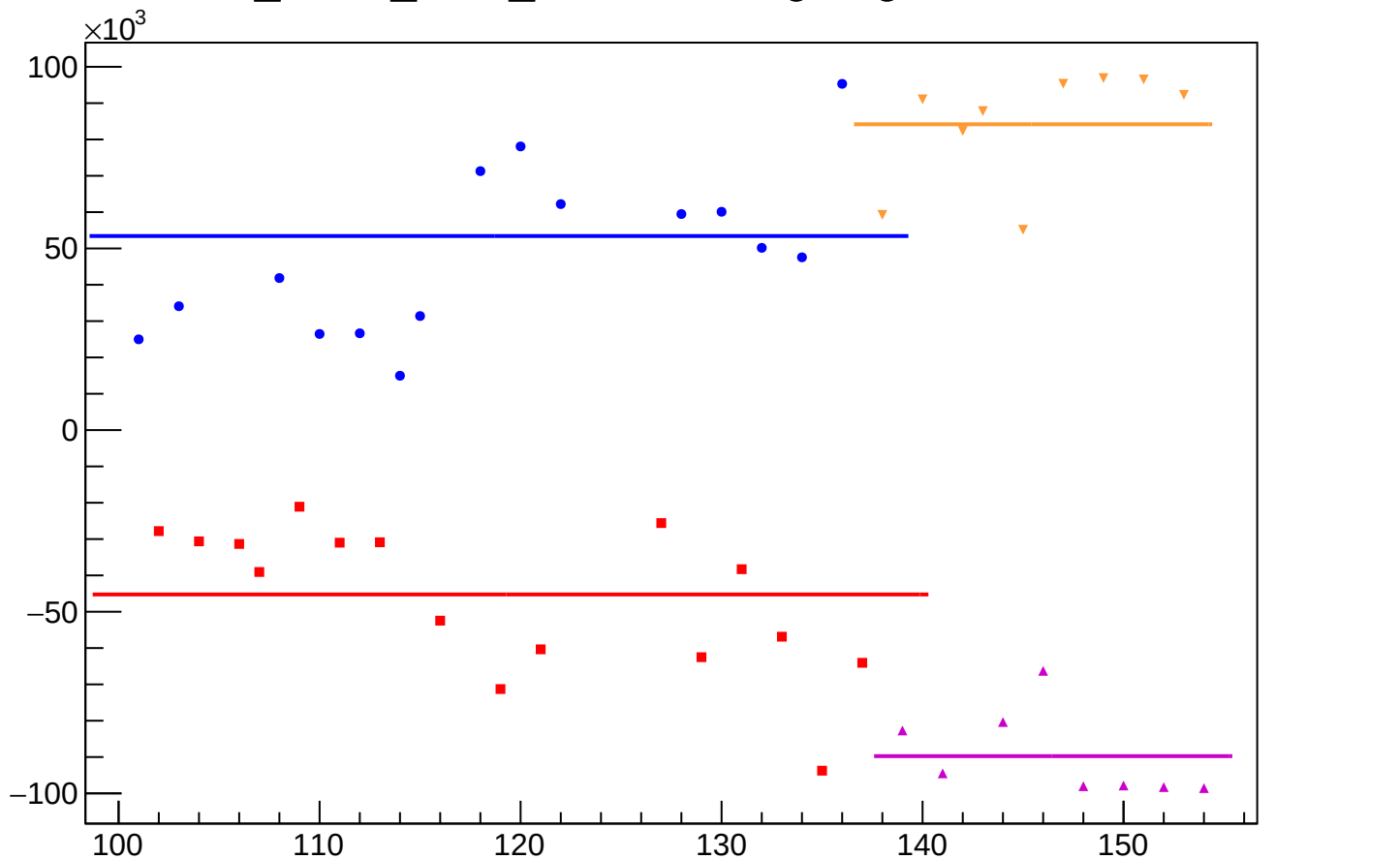
Left: 11.294 +/- 0.000 χ^2/NDF : 13148555059700149
 Right In: 663.574 +/- 0.000 χ^2/NDF : 157691812872720822886914966597312446464.0/14
 Right: 22.529 +/- 0.000 χ^2/NDF : 8336101395091641
 Left Out: 933.397 +/- 0.000 χ^2/NDF : 98438387741859014865340593671313031168.0/8
 In: -139.570 +/- 0.000 χ^2/NDF : 1043299318422342
 Right Out: -601.216 +/- 0.000 χ^2/NDF : 149717884331889332339995334350831878144.0/15
 Out: 172.366 +/- 0.000 χ^2/NDF : 1039984595244208
 Left In: -896.088 +/- 0.000 χ^2/NDF : 72649021093431098026649438354904449024.0/7
 All: 16.805 +/- 0.000 χ^2/NDF : 2148550281570

dit_sam3_coil1_Ndata_mean vs Slug, Sign Corrected



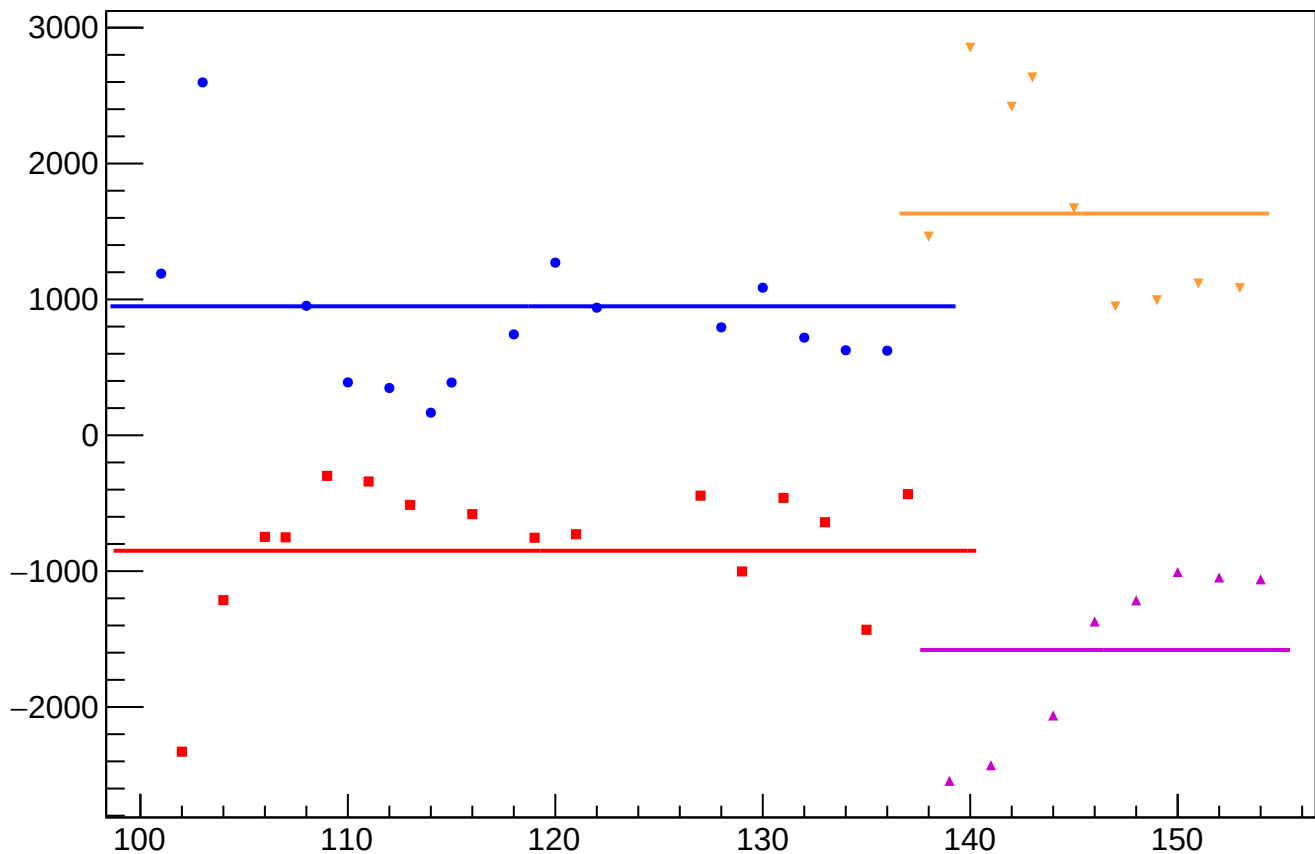
Right In: 1046.490+/-0.000	χ^2/NDF : 24866624766048512267031234680614551552.0/14	Left: -66.469+/-0.000	χ^2/NDF : 1975720239536701
Left Out: 1130.493+/-0.000	χ^2/NDF : 20120490540226280517278959515063025664.0/8	Right: 4.462+/-0.000	χ^2/NDF : 14598494086105576
Right Out: -1009.445+/-0.000	χ^2/NDF : 44602783681728168935494176019868286976.0/15	In: -133.158+/-0.000	χ^2/NDF : 1807035388337786
Left In: -1244.321+/-0.000	χ^2/NDF : 28343886144136596546146079788396183552.0/7	Out: 69.274+/-0.000	χ^2/NDF : 16044214157712594
		All: -31.678+/-0.000	χ^2/NDF : 343894310274

dit_sam4_coil1_mean vs Slug, Sign Corrected



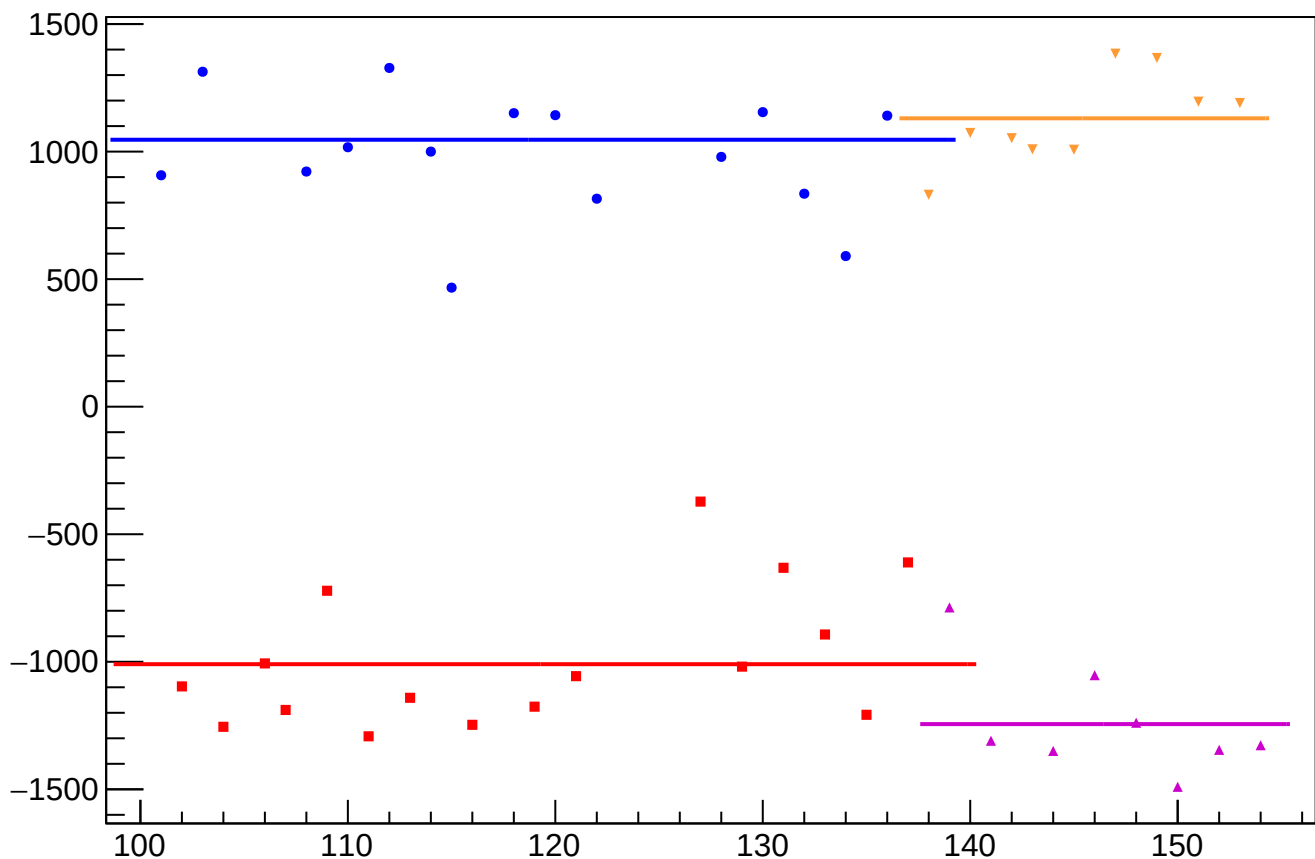
Left: -3485.477 ± 0.000 $\chi^2/\text{NDF}: 10584526368163$
 Right In: 53422.452 ± 0.000 $\chi^2/\text{NDF}: 36063575731513380013375112316777346551808.0/14$
 Right: 3412.622 ± 0.000 $\chi^2/\text{NDF}: 38491691465863$
 Left Out: 84178.950 ± 0.000 $\chi^2/\text{NDF}: 162330457816447985549446702554791819608064.0/8$
 In: -20304.038 ± 0.000 $\chi^2/\text{NDF}: 72956890861804$
 Right Out: -45247.617 ± 0.000 $\chi^2/\text{NDF}: 286060196488034430215784613374055547928576.0/15$
 Out: 19994.920 ± 0.000 $\chi^2/\text{NDF}: 60806170734117$
 Left In: -89750.326 ± 0.000 $\chi^2/\text{NDF}: 84451837409429374680320749676144139173888.0/7$
 All: -101.989 ± 0.000 $\chi^2/\text{NDF}: 14465600792$

dit_sam4_coil1_err_mean vs Slug, Sign Corrected



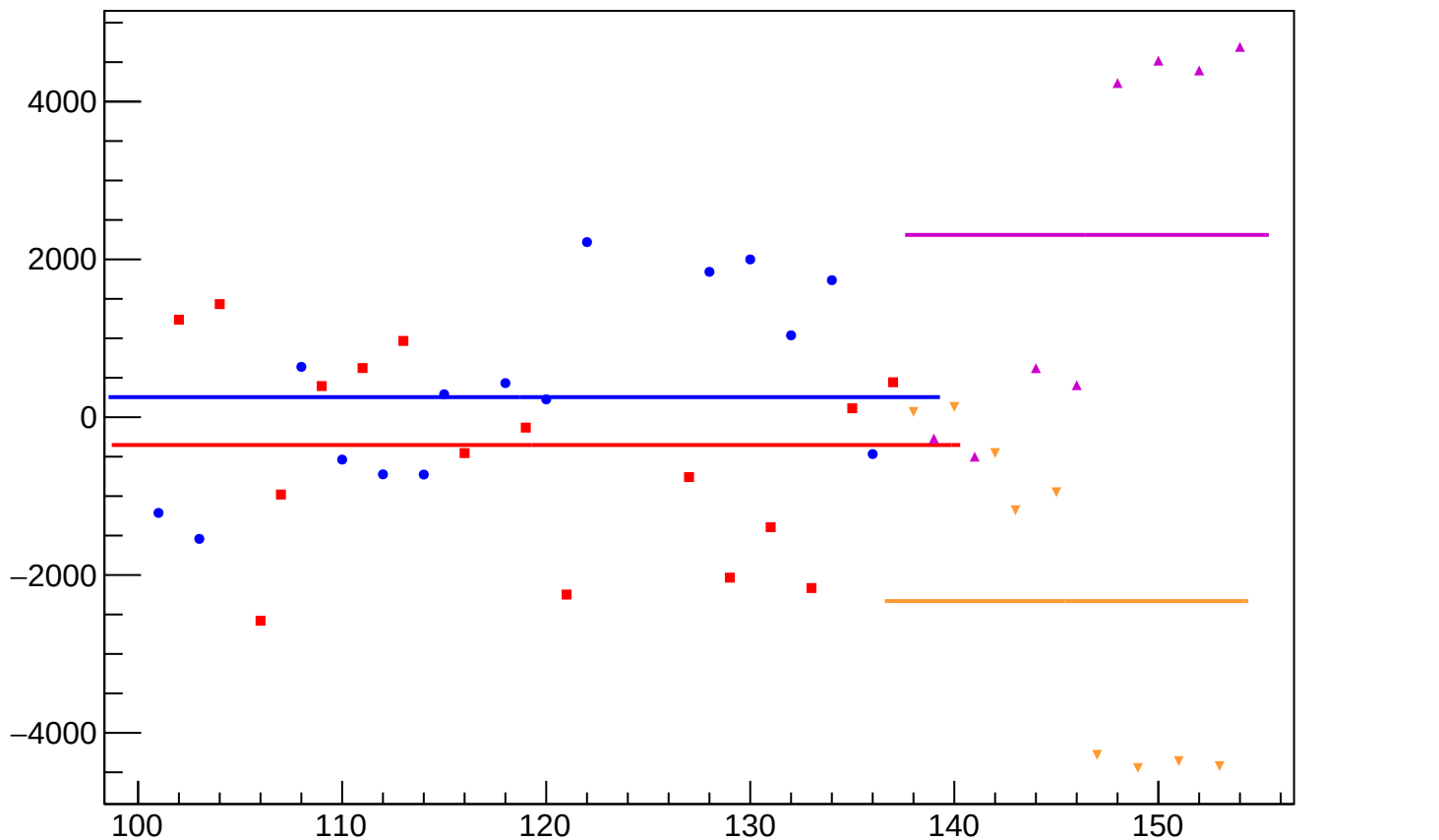
Left: 12.974 +/- 0.000 χ^2/NDF : 41132182744880074
 Right: 37.382 +/- 0.000 χ^2/NDF : 1494917928354426
 In: -353.270 +/- 0.000 χ^2/NDF : 2614397354497683
 Out: 401.194 +/- 0.000 χ^2/NDF : 2612339889489728
 All: 24.946 +/- 0.000 χ^2/NDF : 5608535645445

dit_sam4_coil1_Ndata_mean vs Slug, Sign Corrected



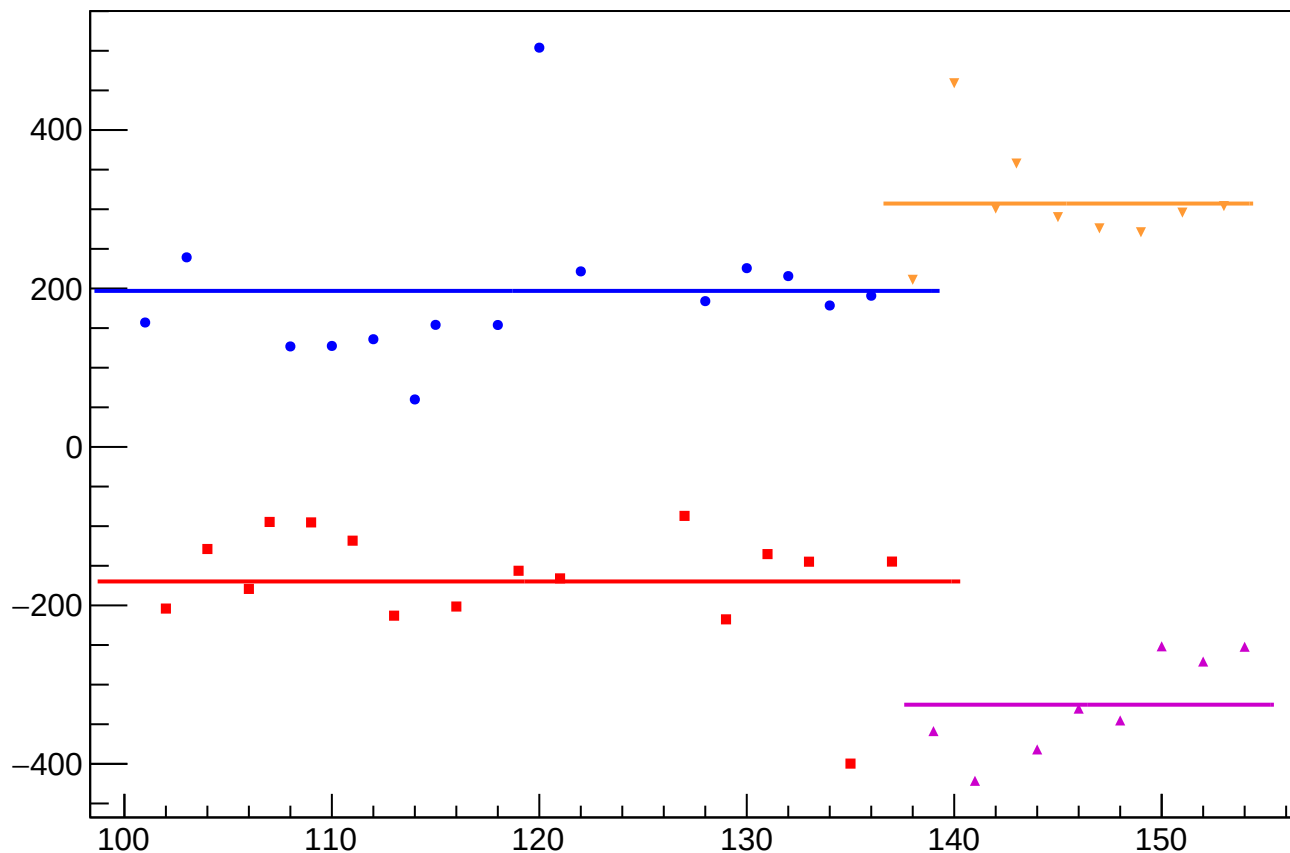
Right In: 1046.490+/-0.000	χ^2/NDF : 24866624766048512267031234680614551552.0/14	Left: -66.469+/-0.000	χ^2/NDF : 1975720239536701
Left Out: 1130.493+/-0.000	χ^2/NDF : 20120490540226280517278959515063025664.0/8	Right: 4.462+/-0.000	χ^2/NDF : 14598494086105576
Right Out: -1009.445+/-0.000	χ^2/NDF : 44602783681728168935494176019868286976.0/15	In: -133.158+/-0.000	χ^2/NDF : 1807035388337786
Left In: -1244.321+/-0.000	χ^2/NDF : 28343886144136596546146079788396183552.0/7	Out: 69.274+/-0.000	χ^2/NDF : 16044214157712594
		All: -31.678+/-0.000	χ^2/NDF : 343894310274

dit_sam5_coil1_mean vs Slug, Sign Corrected



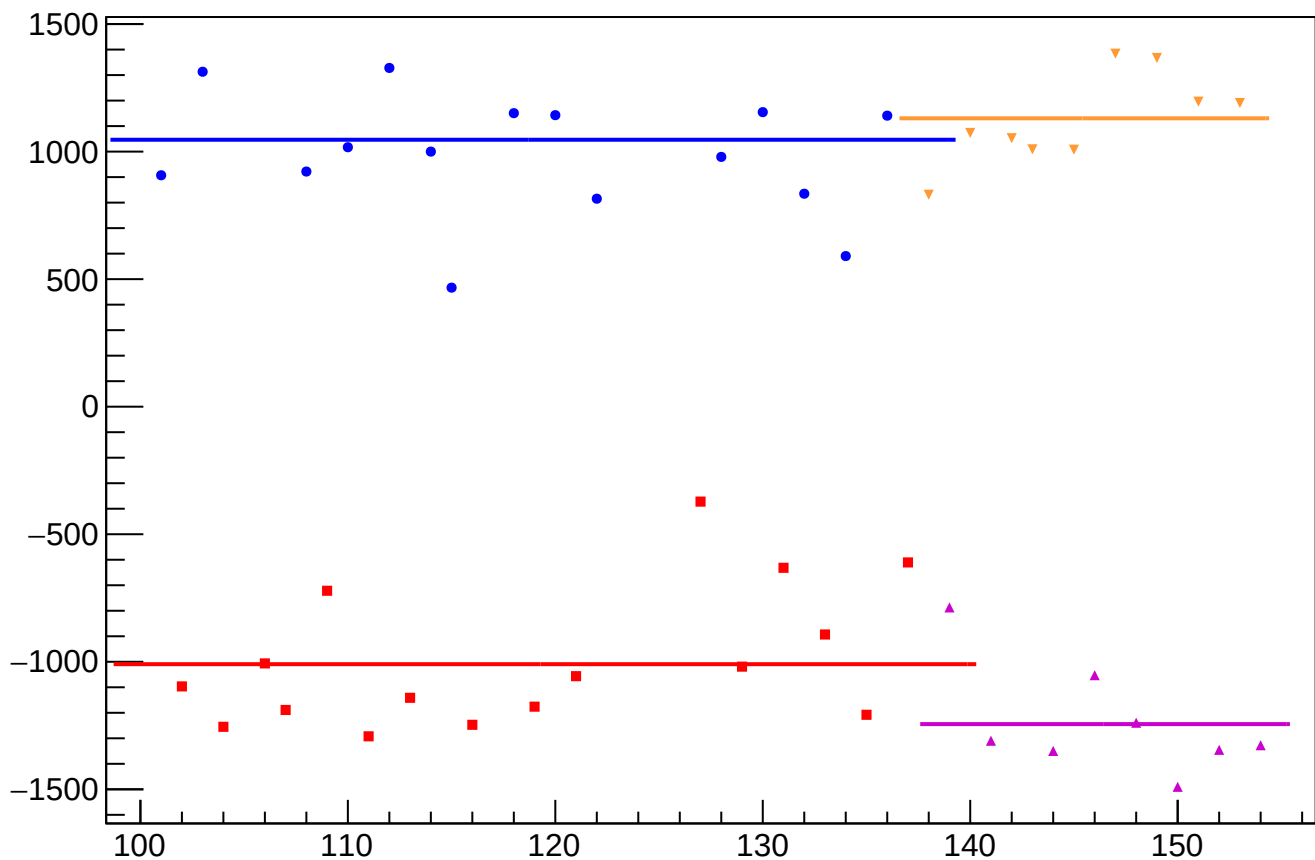
Left: 8.858 ± 0.000 $\chi^2/\text{NDF}: 134719638078739219$
 Right In: 254.578 ± 0.000 $\chi^2/\text{NDF}: 978402113531006640741569223967249530880.0/14$
 Right: -53.015 ± 0.000 $\chi^2/\text{NDF}: 220036732540735$
 Left Out: -2329.996 ± 0.000 $\chi^2/\text{NDF}: 2710004182697076062453992548645231132672.0/8$
 In: 1313.205 ± 0.000 $\chi^2/\text{NDF}: 5794356960394712$
 Right Out: -352.308 ± 0.000 $\chi^2/\text{NDF}: 1100813647101508513447529068154010468352.0/15$
 Out: -1349.239 ± 0.000 $\chi^2/\text{NDF}: 51258884533219$
 Left In: 2310.373 ± 0.000 $\chi^2/\text{NDF}: 3403523723154192096821482374544276586496.0/7$
 All: -21.490 ± 0.000 $\chi^2/\text{NDF}: 156748980630$

dit_sam5_coil1_err_mean vs Slug, Sign Corrected



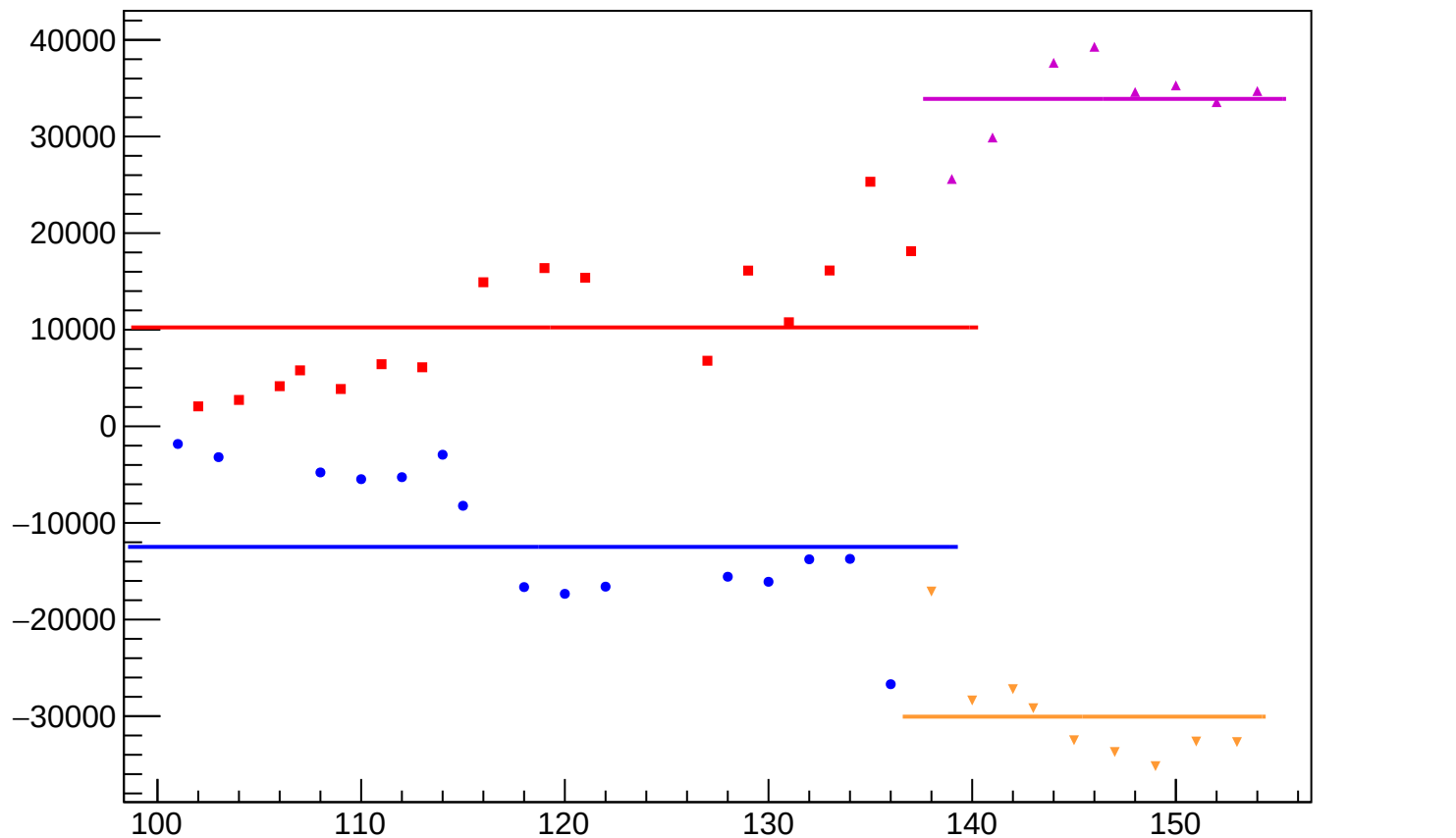
Right In: 196.955+/-0.000	χ^2/NDF : 448524516032965791462137242583788608.0/14	Left: -11.619+/-0.000	χ^2/NDF : 1421513069839364
Left Out: 307.190+/-0.000	χ^2/NDF : 3007241266128161041135224207924264960.0/8	Right: 11.081+/-0.000	χ^2/NDF : 5261792058222240
Right Out: -169.778+/-0.000	χ^2/NDF : 3892609445494845784493558646385410048.0/15	In: -71.998+/-0.000	χ^2/NDF : 98073555737313294
Left In: -325.338+/-0.000	χ^2/NDF : 2421608752249302792719094693817745408.0/7	Out: 70.657+/-0.000	χ^2/NDF : 83391231668794755
	All: -0.485+/-0.000		χ^2/NDF : 1951147078536

dit_sam5_coil1_Ndata_mean vs Slug, Sign Corrected



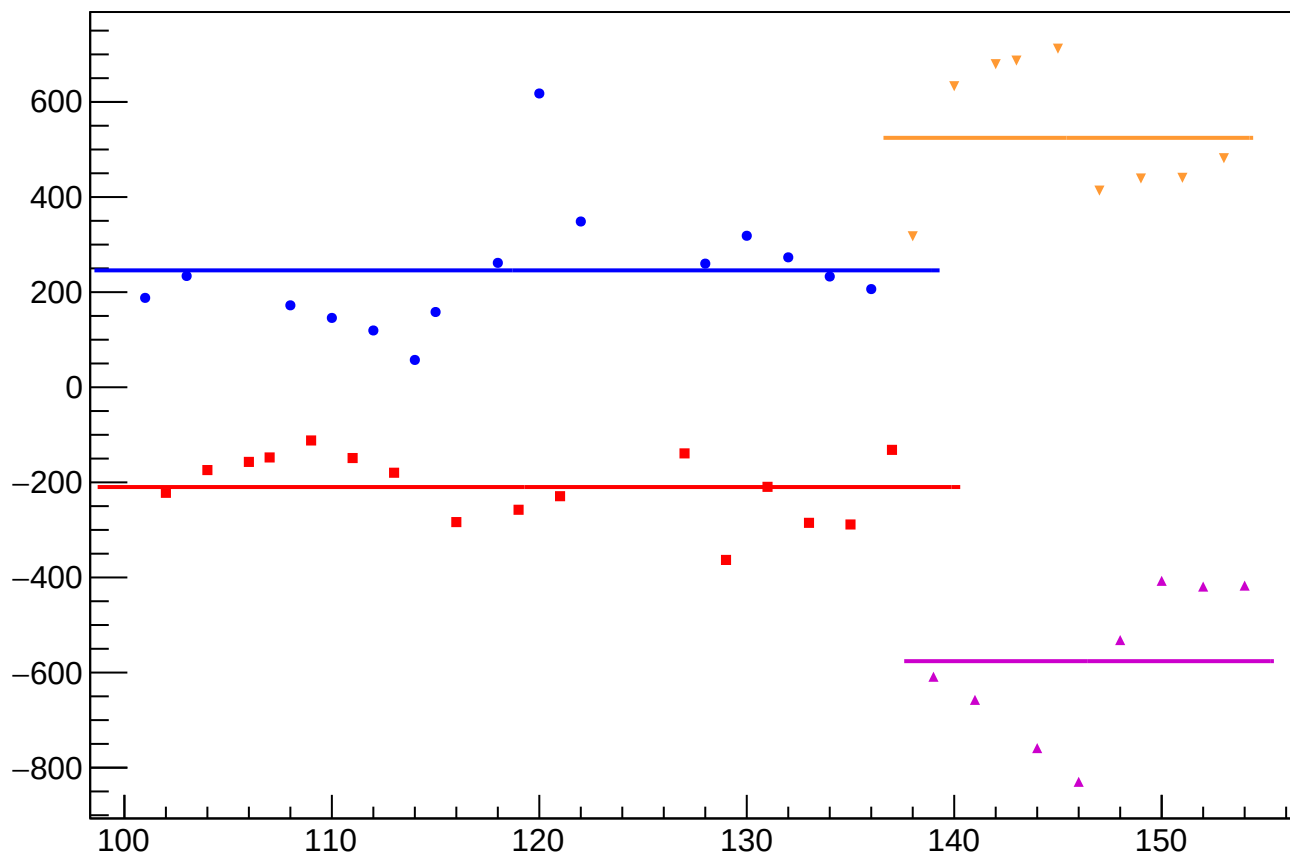
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1130.493+/-0.000 χ^2/NDF : 20120490540226280517278959515063025664.0/8
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1244.321+/-0.000 χ^2/NDF : 28343886144136596546146079788396183552.0/7
 All: -31.678+/-0.000 χ^2/NDF : 343894310274

dit_sam6_coil1_mean vs Slug, Sign Corrected



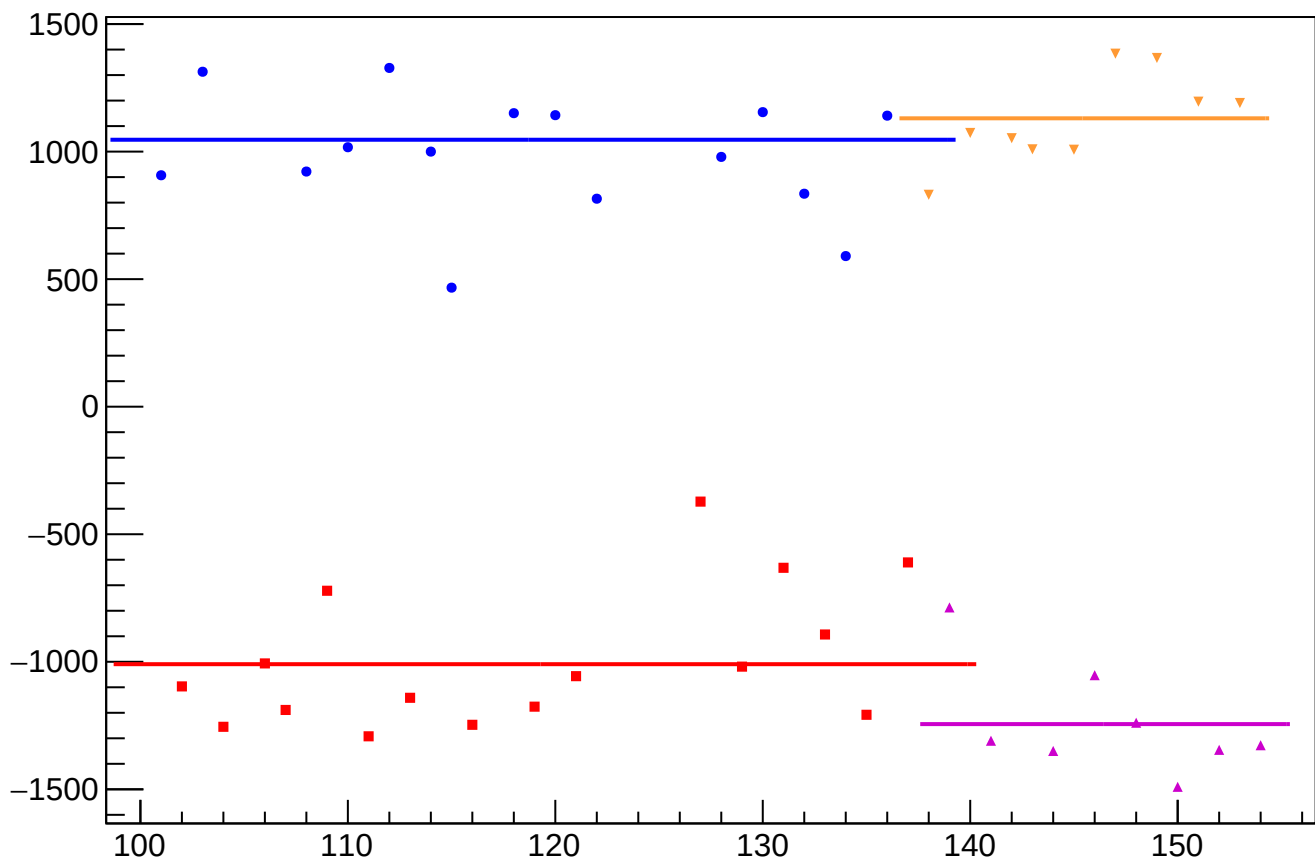
Right In: -12479.653+/-0.000 χ^2/NDF : 41178633231253805317353333973475271901184.0/14
 Left Out: -30051.778+/-0.000 χ^2/NDF : 18571413158248064162821297256072942190592.0/8
 Right Out: 10238.098+/-0.000 χ^2/NDF : 31227861126159534031961501923223718068224.0/15
 Left In: 33894.894+/-0.000 χ^2/NDF : 10867764879080526923511766445745070145536.0/7
 All: 636.598+/-0.000 χ^2/NDF : 167562413030

dit_sam6_coil1_err_mean vs Slug, Sign Corrected



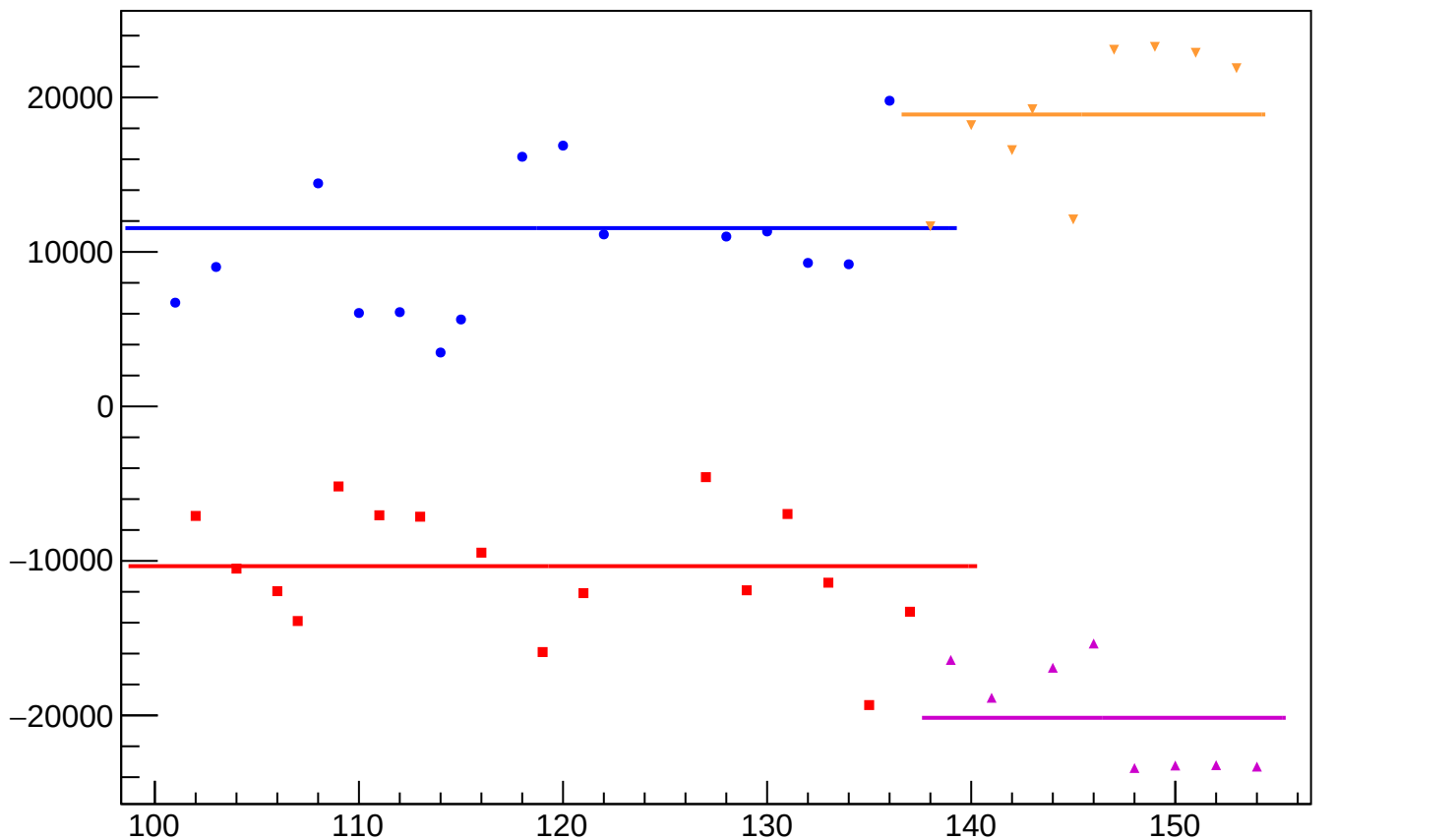
Right In: 245.832 $\pm$ 0.000 χ^2 /NDF: 7828269009300013139414476154059358208.0/14
 Left Out: 524.525 $\pm$ 0.000 χ^2 /NDF: 12304049734233100593513299510082666496.0/8
 Right Out: -209.844 $\pm$ 0.000 χ^2 /NDF: 3128489258838765241921217786024034304.0/15
 Left In: -576.015 $\pm$ 0.000 χ^2 /NDF: 16117959224148584983211542741031845888.0/7
 All: -8.076 $\pm$ 0.000 χ^2 /NDF: 5229377485734

dit_sam6_coil1_Ndata_mean vs Slug, Sign Corrected



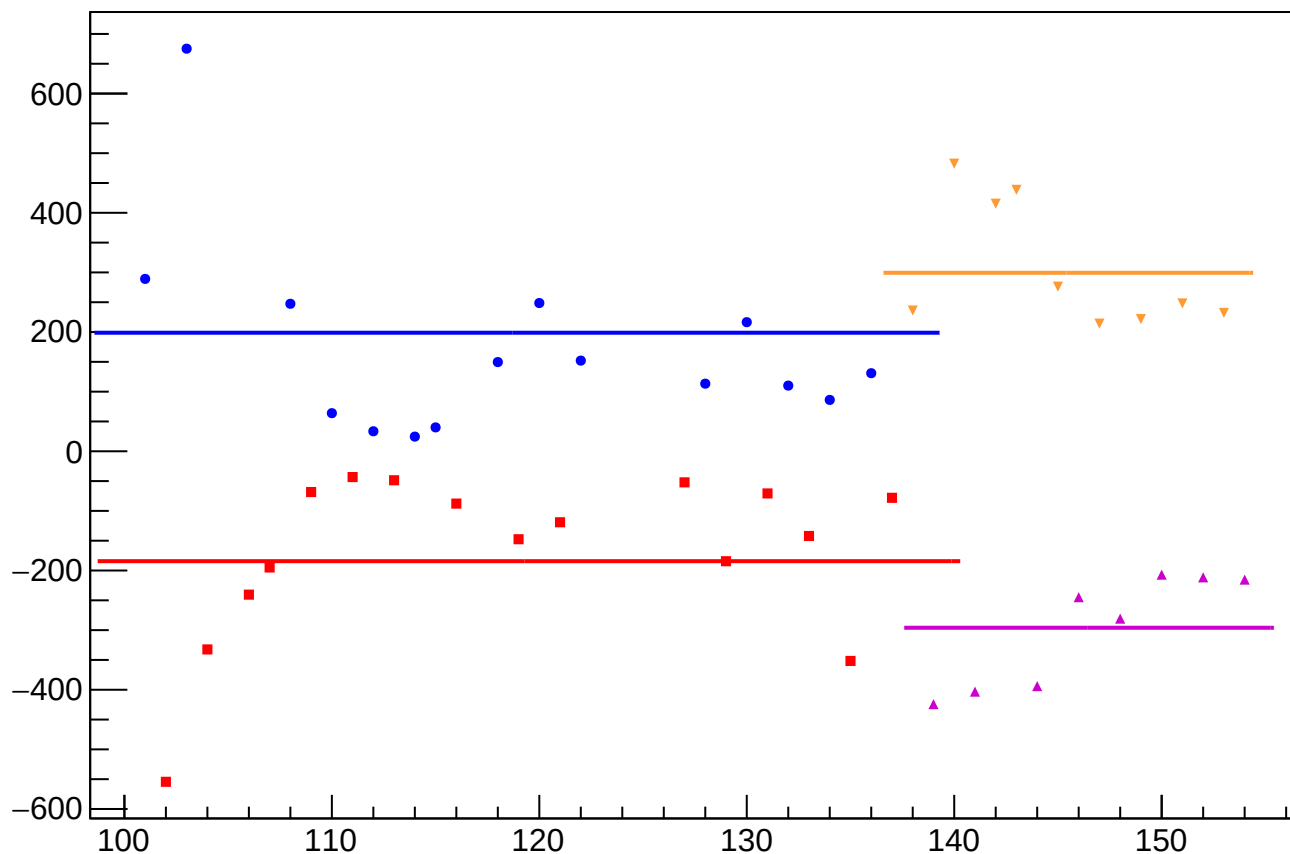
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1130.493+/-0.000 χ^2/NDF : 20120490540226280517278959515063025664.0/8
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1244.321+/-0.000 χ^2/NDF : 28343886144136596546146079788396183552.0/7
 All: -31.678+/-0.000 χ^2/NDF : 343894310274

dit_sam7_coil1_mean vs Slug, Sign Corrected



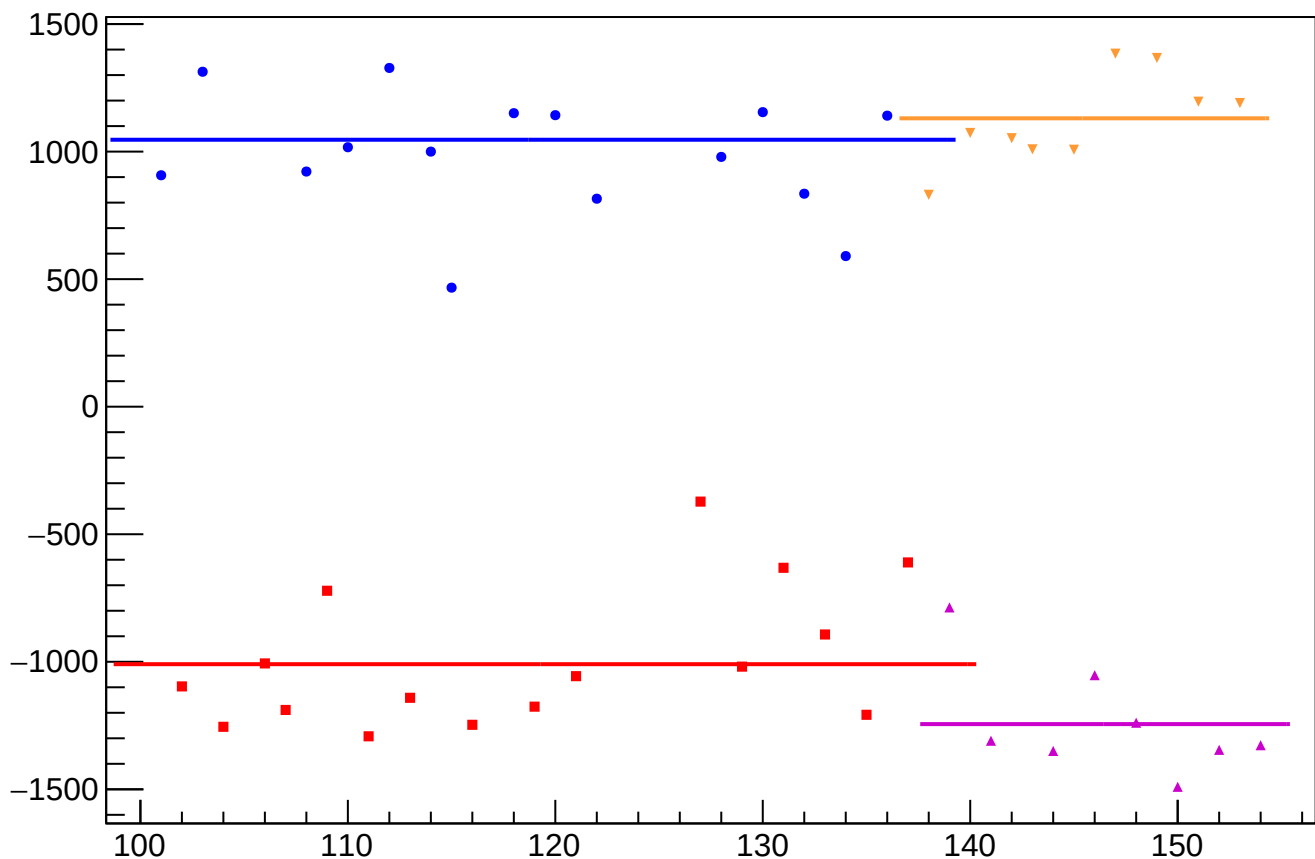
Right In: 11542.759 ± 0.000 χ^2/NDF : 14233543123238566357226766219014687424512.0/14
 Left Out: 18897.711 ± 0.000 χ^2/NDF : 13088283759858253138346491448687899705344.0/8
 Right Out: -10339.969 ± 0.000 χ^2/NDF : 11260833863406751645923420062982418202624.0/15
 Left In: -20156.695 ± 0.000 χ^2/NDF : 7593733633147254115365749486284884148224.0/7
 All: -179.211 ± 0.000 χ^2/NDF : 72593734491

dit_sam7_coil1_err_mean vs Slug, Sign Corrected



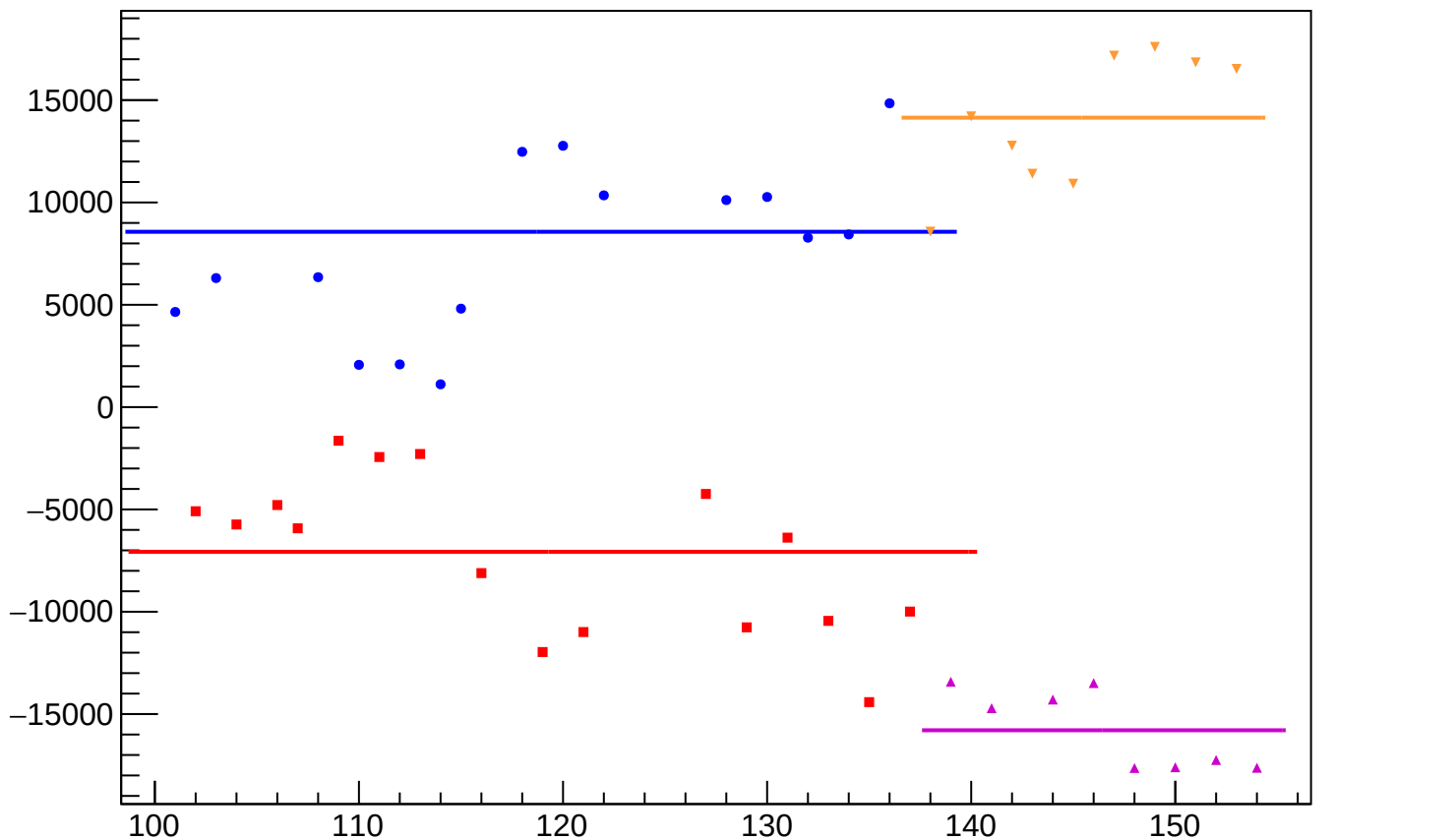
Left: -0.716 ± 0.000 $\chi^2/\text{NDF}: 13313835770426565$
 Right In: 198.850 ± 0.000 $\chi^2/\text{NDF}: 18333995109503438037075916944440295424.0/14$
 Right: 4.640 ± 0.000 $\chi^2/\text{NDF}: 81558141576342570$
 Left Out: 299.374 ± 0.000 $\chi^2/\text{NDF}: 6678621021367714767011729712353378304.0/8$
 In: -55.980 ± 0.000 $\chi^2/\text{NDF}: 10549809042221758$
 Right Out: -184.328 ± 0.000 $\chi^2/\text{NDF}: 14927434931395588601024961538372403200.0/15$
 Out: 59.501 ± 0.000 $\chi^2/\text{NDF}: 10027267307678501$
 Left In: -296.016 ± 0.000 $\chi^2/\text{NDF}: 5320574347117591093525406831200960512.0/7$
 All: 1.911 ± 0.000 $\chi^2/\text{NDF}: 21471574063443$

dit_sam7_coil1_Ndata_mean vs Slug, Sign Corrected



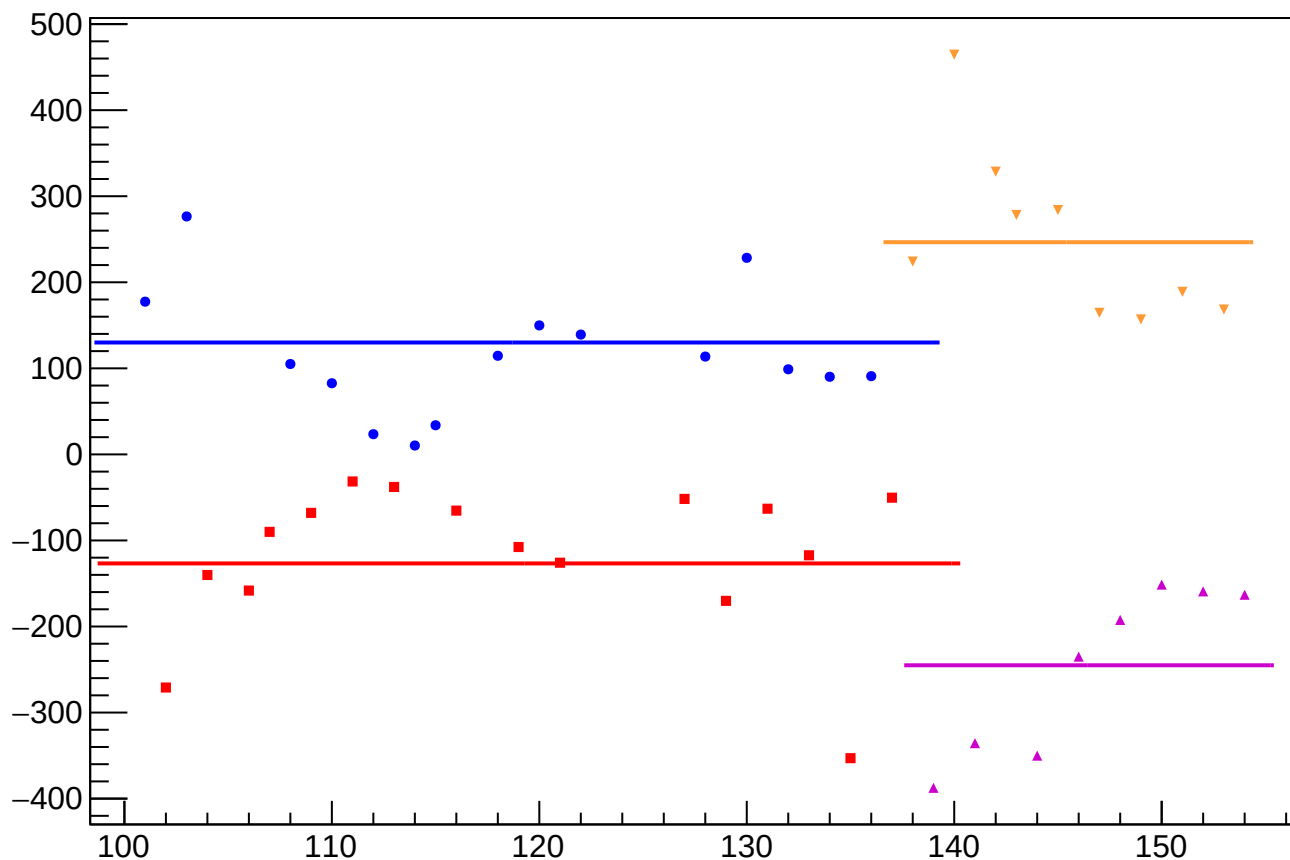
Right In: 1046.490+/-0.000	χ^2/NDF : 24866624766048512267031234680614551552.0/14	Left: -66.469+/-0.000	χ^2/NDF : 1975720239536701
Left Out: 1130.493+/-0.000	χ^2/NDF : 20120490540226280517278959515063025664.0/8	Right: 4.462+/-0.000	χ^2/NDF : 14598494086105576
Right Out: -1009.445+/-0.000	χ^2/NDF : 44602783681728168935494176019868286976.0/15	In: -133.158+/-0.000	χ^2/NDF : 1807035388337786
Left In: -1244.321+/-0.000	χ^2/NDF : 28343886144136596546146079788396183552.0/7	Out: 69.274+/-0.000	χ^2/NDF : 16044214157712594
		All: -31.678+/-0.000	χ^2/NDF : 343894310274

dit_sam8_coil1_mean vs Slug, Sign Corrected



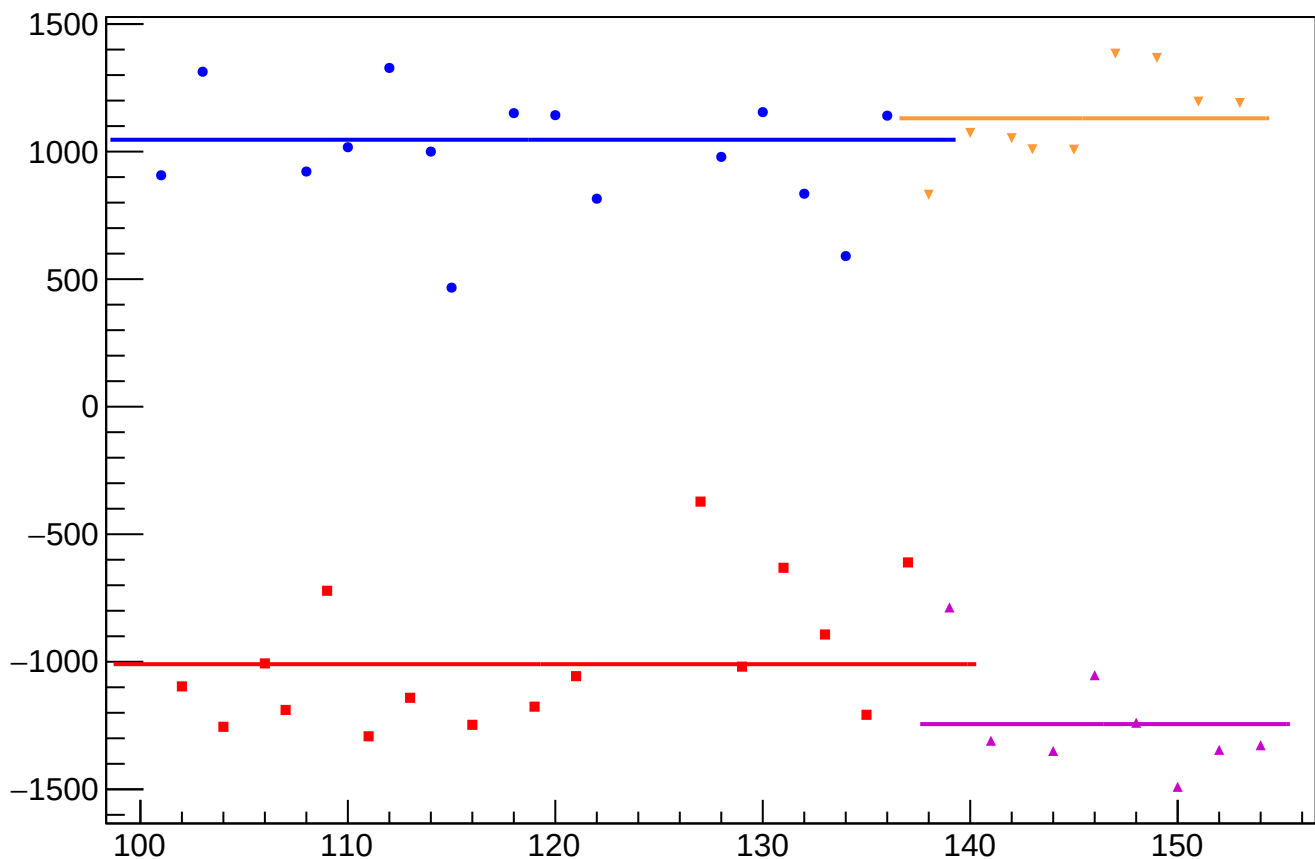
Right In: 8567.784 $\pm$ 0.000 χ^2 /NDF: 11106048878972501366429055679645708451840.0/14
 Left Out: 14144.123 $\pm$ 0.000 χ^2 /NDF: 6616197631489477666054935154033879416832.0/8
 Right Out: -7069.884 $\pm$ 0.000 χ^2 /NDF: 10076862363502652111378210539664387866624.0/15
 Left In: -15791.638 $\pm$ 0.000 χ^2 /NDF: 2261766294510684378859975554339335831552.0/7
 All: -166.174 $\pm$ 0.000 χ^2 /NDF: 41842479364

dit_sam8_coil1_err_mean vs Slug, Sign Corrected



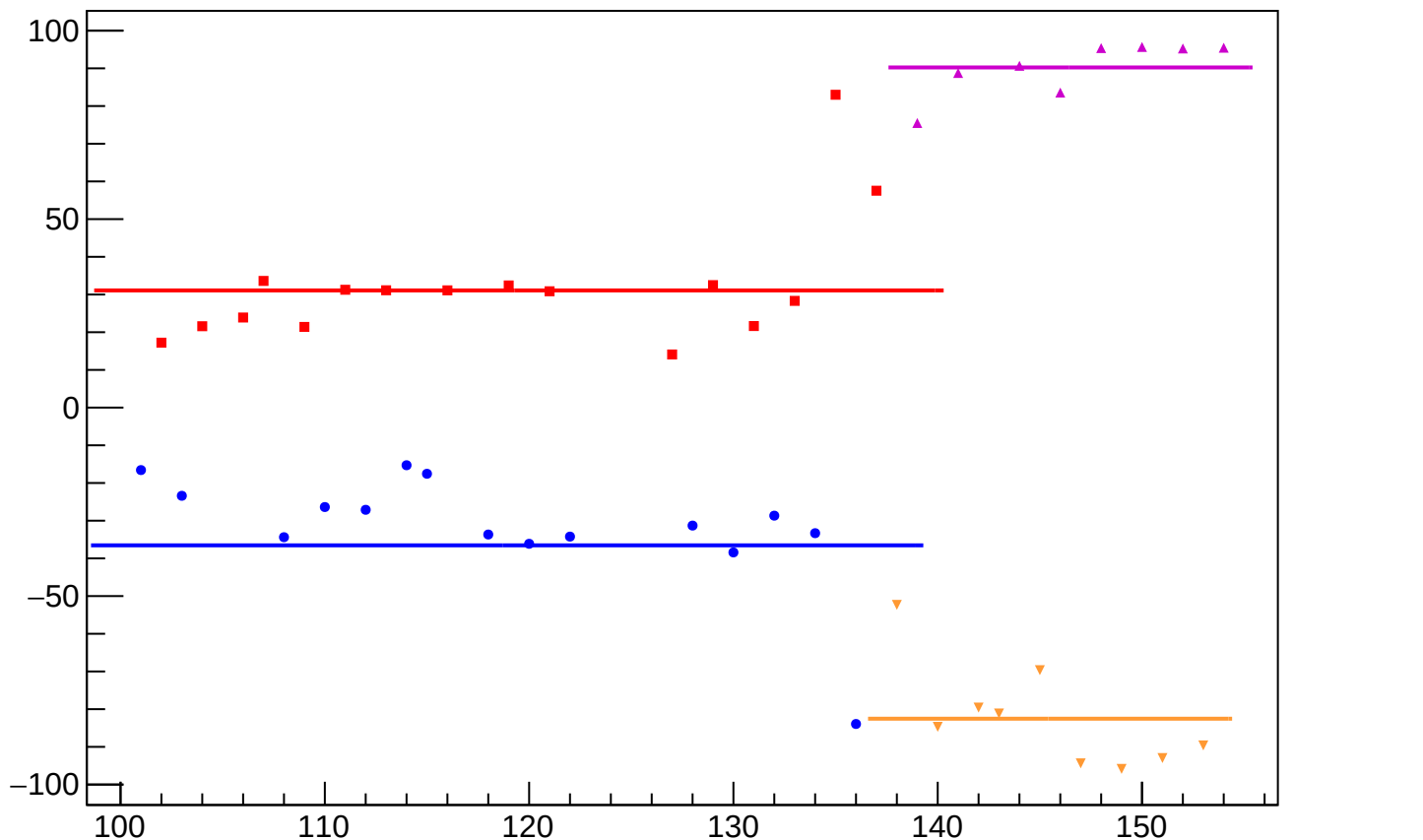
Right In: 130.021+/-0.000 χ^2/NDF : 3115259987552341725946418665378283520.0/14
 Left Out: 246.567+/-0.000 χ^2/NDF : 6400868292353104917562233837766836224.0/8
 Right Out: -126.709+/-0.000 χ^2/NDF : 5397122581297664561308621600668516352.0/15
 Left In: -245.055+/-0.000 χ^2/NDF : 5600531738891269928177951075127525376.0/7
 All: -0.671+/-0.000 χ^2/NDF : 1247878234014

dit_sam8_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000	χ^2/NDF : 24866624766048512267031234680614551552.0/14	Left: -66.469+/-0.000	χ^2/NDF : 1975720239536701
Left Out: 1130.493+/-0.000	χ^2/NDF : 20120490540226280517278959515063025664.0/8	Right: 4.462+/-0.000	χ^2/NDF : 14598494086105576
Right Out: -1009.445+/-0.000	χ^2/NDF : 44602783681728168935494176019868286976.0/15	In: -133.158+/-0.000	χ^2/NDF : 1807035388337786
Left In: -1244.321+/-0.000	χ^2/NDF : 28343886144136596546146079788396183552.0/7	Out: 69.274+/-0.000	χ^2/NDF : 16044214157712594
		All: -31.678+/-0.000	χ^2/NDF : 343894310274

dit_4aX_coil3_mean vs Slug, Sign Corrected



Right In: -36.540 $\pm$ 0.000

Left Out: -82.530 $\pm$ 0.000

Right Out: 31.085 $\pm$ 0.000

Left In: 90.237 $\pm$ 0.000

χ^2 /NDF: 254351867861444609202637633864335360.0/14

χ^2 /NDF: 123953876517892922407971990555066368.0/8

χ^2 /NDF: 181291079119381636178408498876383232.0/15

χ^2 /NDF: 31038594722172304997951086327234560.0/7

Left: 4.549 $\pm$ 0.000 χ^2 /NDF: 103549722059230702

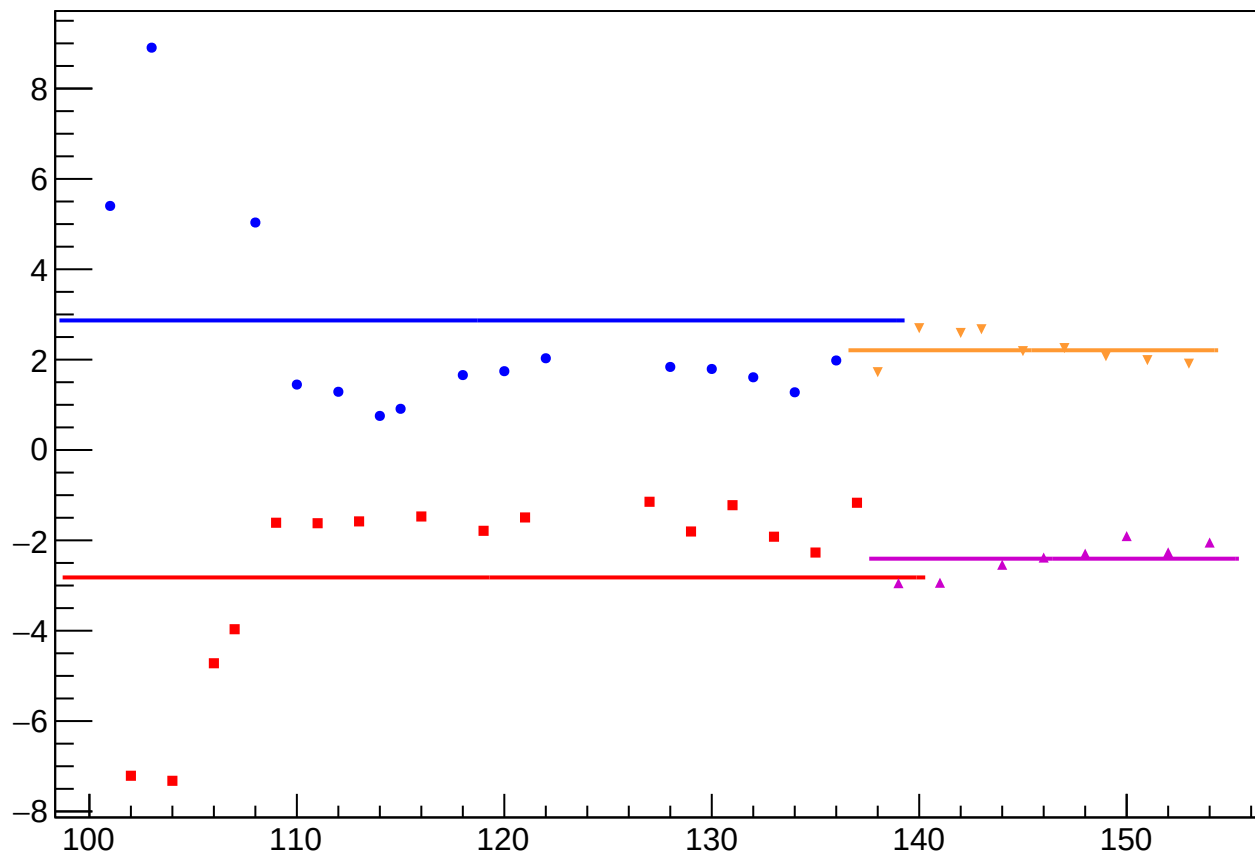
Right: -2.265 $\pm$ 0.000 χ^2 /NDF: 1939933040270060

In: 28.743 $\pm$ 0.000 χ^2 /NDF: 565677352807906369

Out: -26.187 $\pm$ 0.000 χ^2 /NDF: 4645396269312946

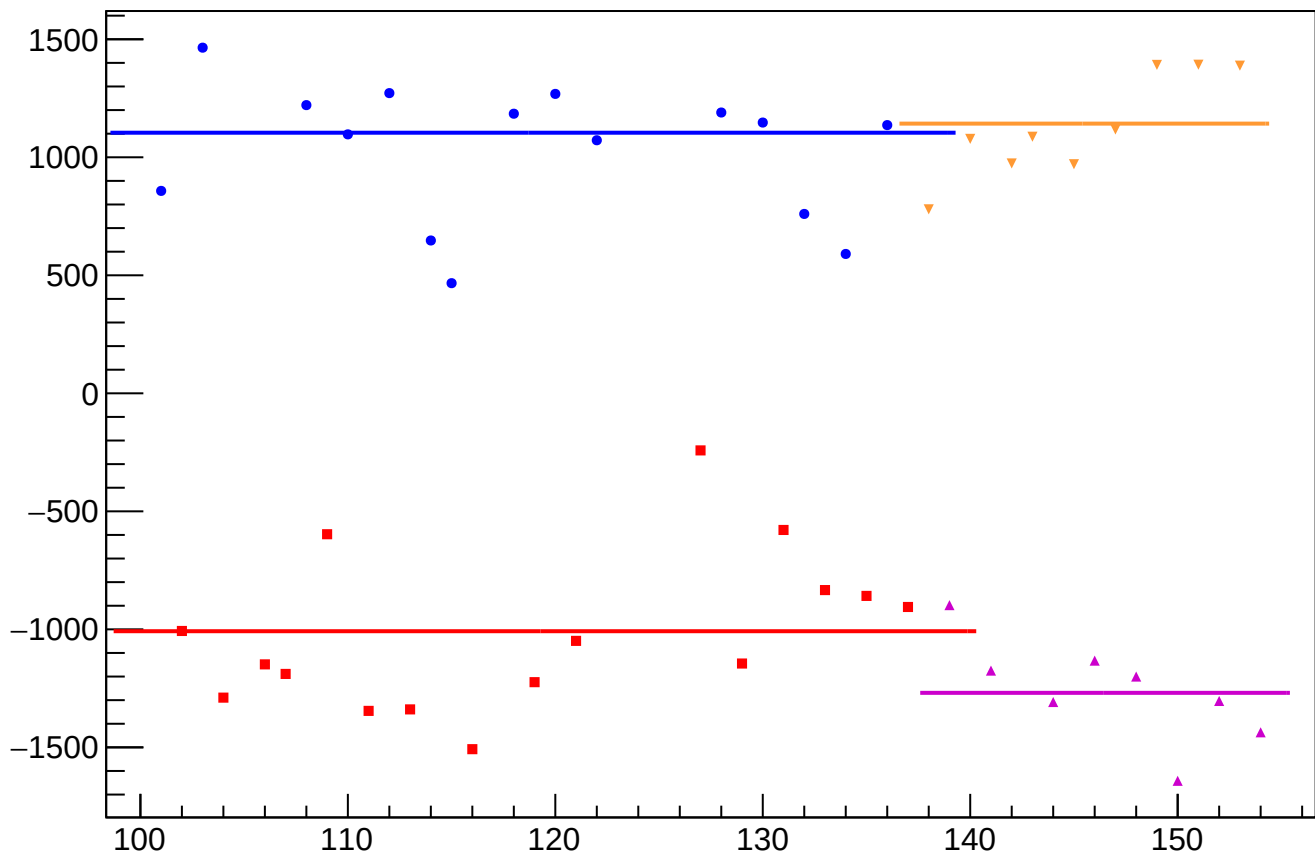
All: 1.207 $\pm$ 0.000 χ^2 /NDF: 12326031999246

dit_4aX_coil3_err_mean vs Slug, Sign Corrected



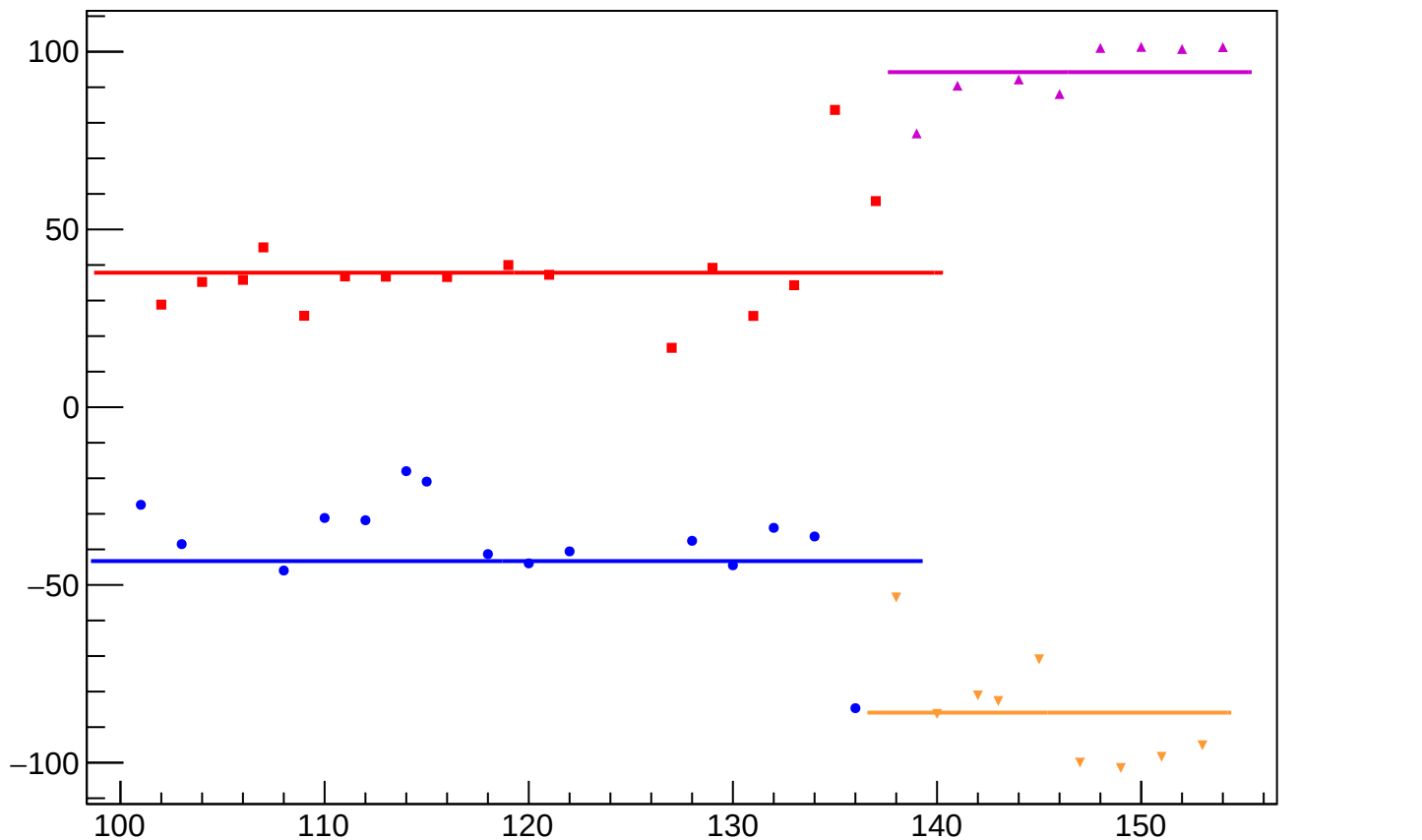
Right In: 2.867 $\pm$ 0.000 χ^2 /NDF: 3455499087584693564208174061322240.0/14
 Left Out: 2.207 $\pm$ 0.000 χ^2 /NDF: 72002148337403581032489589669888.0/8
 Right Out: -2.821 $\pm$ 0.000 χ^2 /NDF: 3052948718107902490497172912472064.0/15
 Left In: -2.406 $\pm$ 0.000 χ^2 /NDF: 86412306330155139643918180679680.0/7
 All: -0.068 $\pm$ 0.000 χ^2 /NDF: 2458986713375

dit_4aX_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 ± 0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1142.645 ± 0.000 χ^2/NDF : 29713715013962771151769332826777845760.0/8
 Right Out: -1007.906 ± 0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1269.019 ± 0.000 χ^2/NDF : 29248954105903421314584303143596589056.0/7
 All: -20.628 ± 0.000 χ^2/NDF : 362318824808

dit_4eX_coil3_mean vs Slug, Sign Corrected



Right In: -43.289+/-0.000

Left Out: -85.917+/-0.000

Right Out: 37.832+/-0.000

Left In: 94.251+/-0.000

χ^2/NDF : 199342736778845281087197523996573696.0/14

χ^2/NDF : 156713282337154501252419234050342912.0/8

χ^2/NDF : 148683933977204936634636843897323520.0/15

χ^2/NDF : 45376349341972855958640355157475328.0/7

Left: 4.892+/-0.000 χ^2/NDF : 112947585758422252

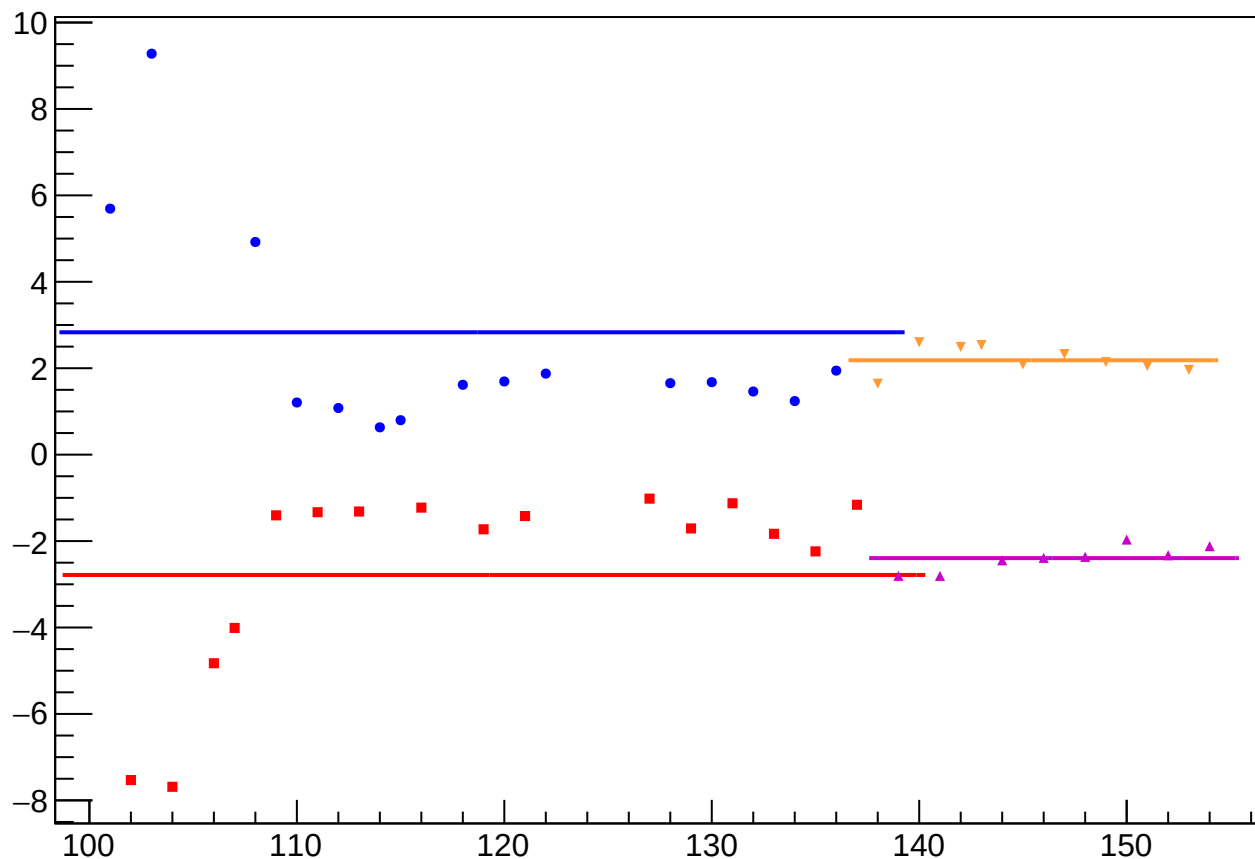
Right: -2.174+/-0.000 χ^2/NDF : 2512687101518028

In: 27.537+/-0.000 χ^2/NDF : 656690828225575149

Out: -24.549+/-0.000 χ^2/NDF : 5454373648923764

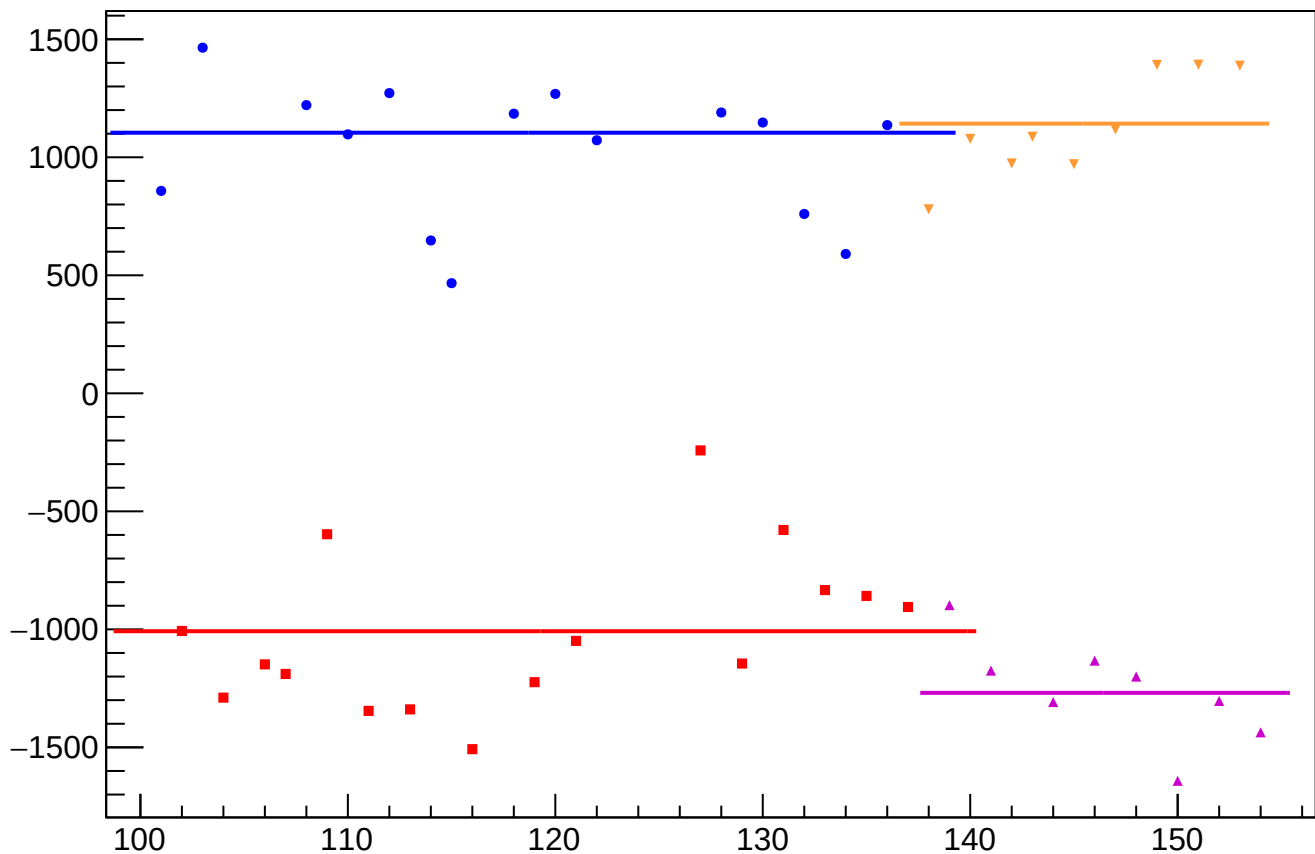
All: 1.426+/-0.000 χ^2/NDF : 13840917637697

dit_4eX_coil3_err_mean vs Slug, Sign Corrected



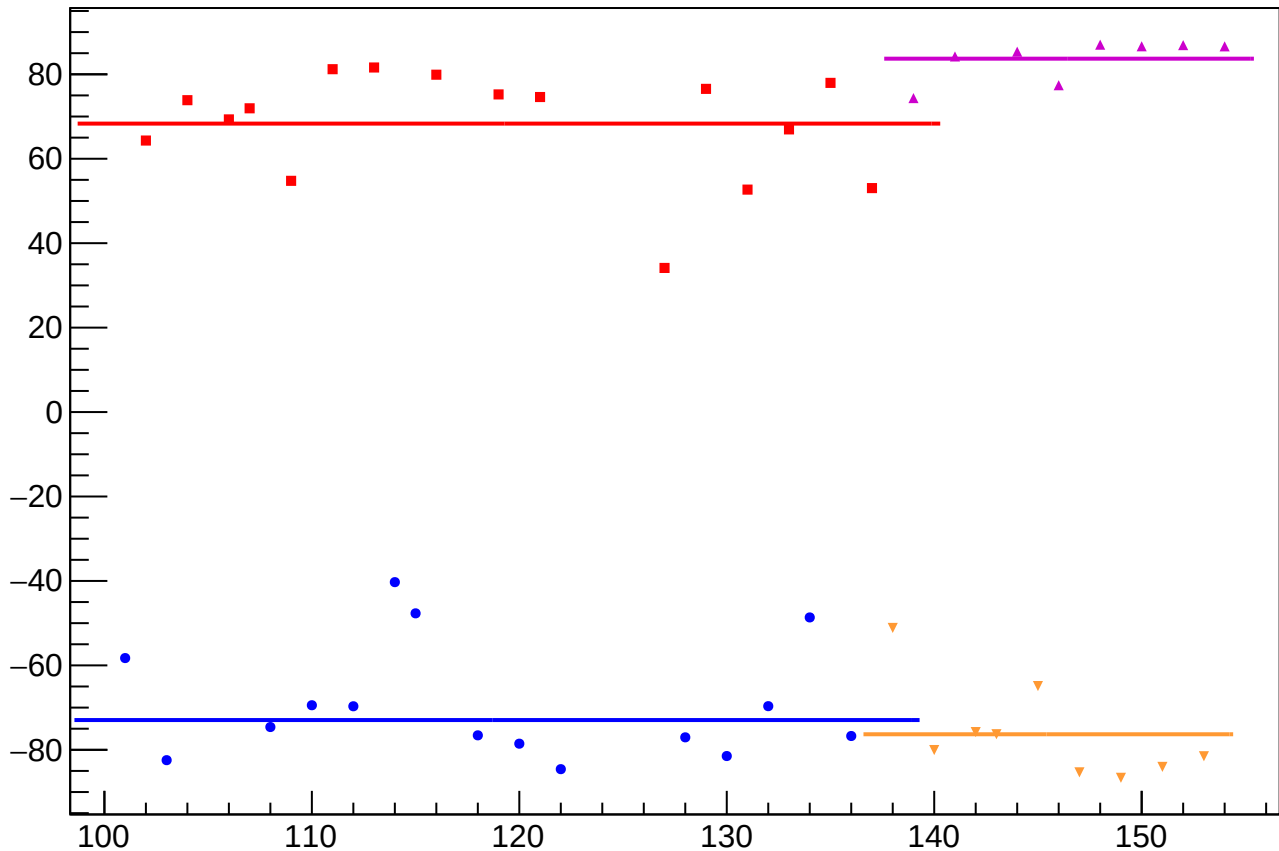
Right In: 2.832 +/- 0.000 χ^2/NDF : 3957672531929017328512564323155968.0/14
 Left Out: 2.184 +/- 0.000 χ^2/NDF : 57834667589068616985795031465984.0/8
 Right Out: -2.784 +/- 0.000 χ^2/NDF : 3589544956108116898091236897849344.0/15
 Left In: -2.395 +/- 0.000 χ^2/NDF : 52321702886423840940313743982592.0/7
 All: -0.070 +/- 0.000 χ^2/NDF : 2520479599282

dit_4eX_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1142.645+/-0.000 χ^2/NDF : 29713715013962771151769332826777845760.0/8
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1269.019+/-0.000 χ^2/NDF : 29248954105903421314584303143596589056.0/7
 All: -20.628+/-0.000 χ^2/NDF : 362318824808

dit_11X12X_coil3_mean vs Slug, Sign Corrected



Right In: -72.949+/-0.000

Left Out: -76.316+/-0.000

Right Out: 68.324+/-0.000

Left In: 83.702+/-0.000

χ^2/NDF : 65755428464857980306879126291087360.0/14

χ^2/NDF : 83376940721939566069714337241497600.0/8

χ^2/NDF : 106694344898202364483367131372584960.0/15

χ^2/NDF : 13975109020884434830871243249418240.0/7

Left: 4.337+/-0.000 χ^2/NDF : 884750419937540597

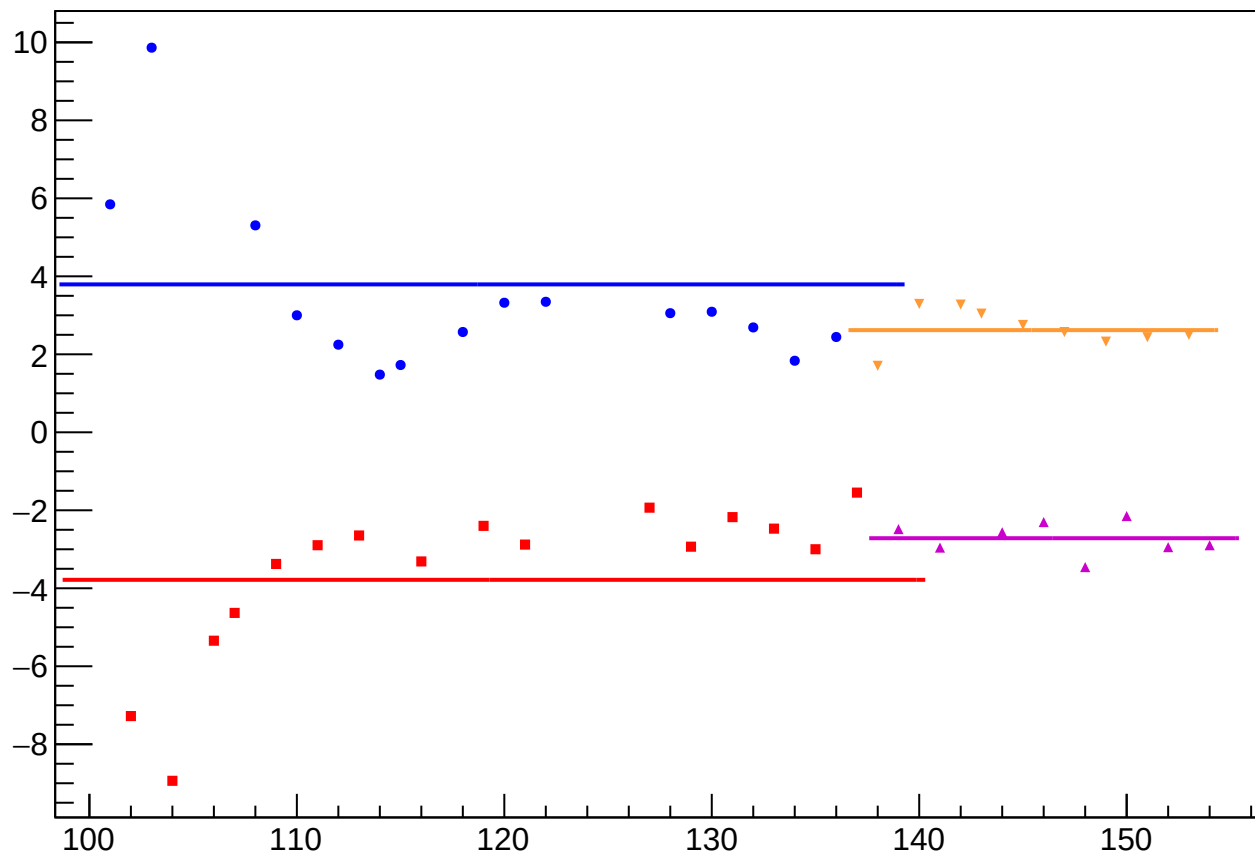
Right: -1.347+/-0.000 χ^2/NDF : 6737392391922205

In: 7.718+/-0.000 χ^2/NDF : 8280850917515898946

Out: -4.588+/-0.000 χ^2/NDF : 72241363467711341

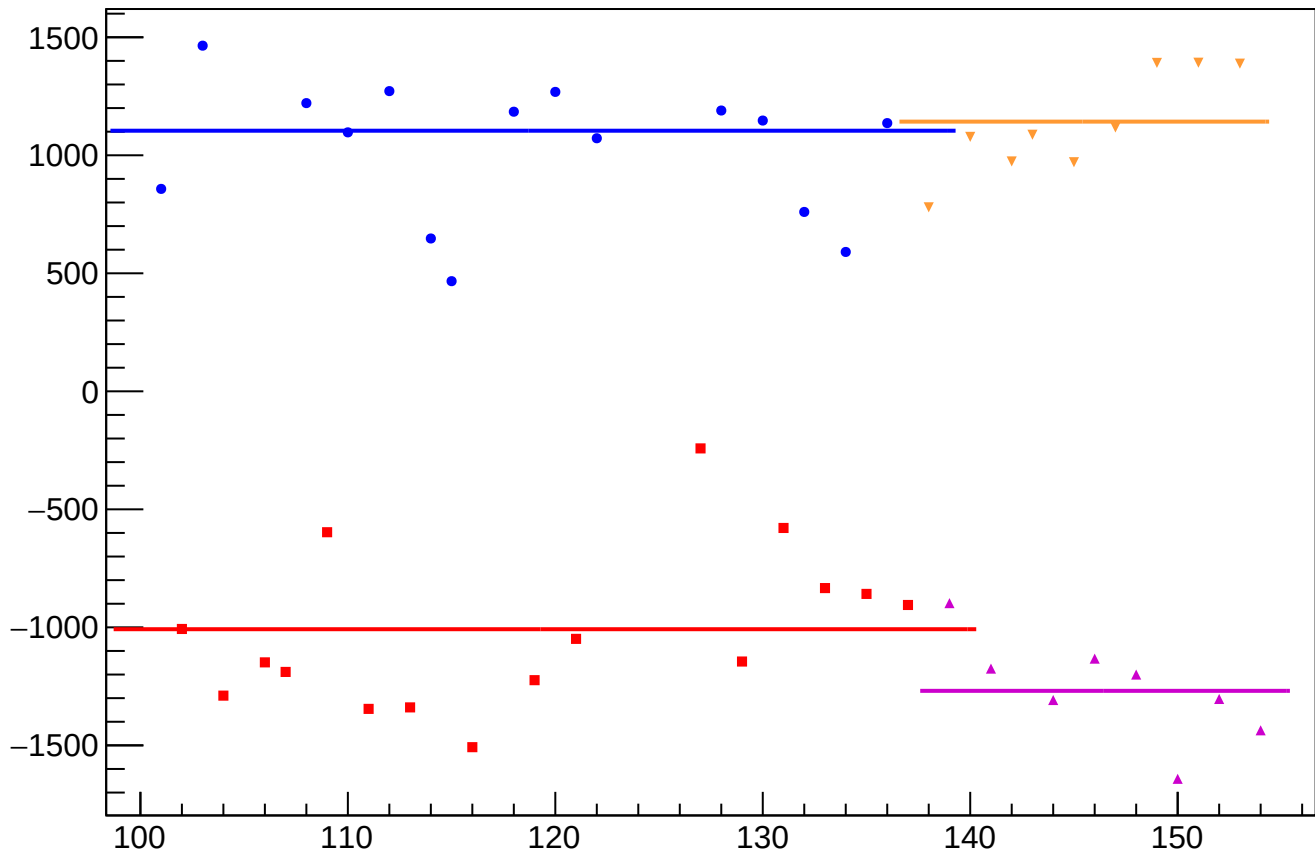
All: 1.549+/-0.000 χ^2/NDF : 15606554575404

dit_11X12X_coil3_err_mean vs Slug, Sign Corrected



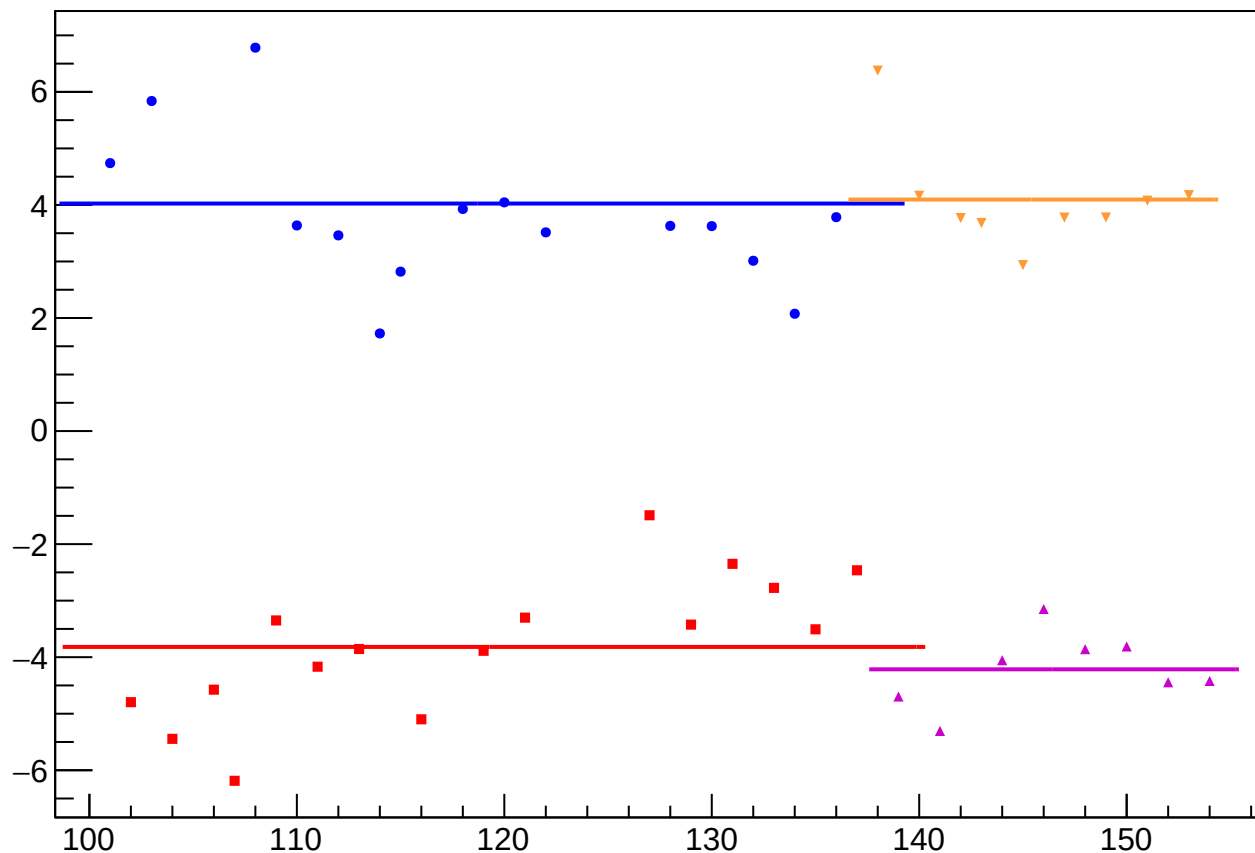
Right In: 3.793 ± 0.000 χ^2/NDF : 3205389242726129619796290810413056.0/14
 Left Out: 2.620 ± 0.000 χ^2/NDF : 146796772251029553242439864549376.0/8
 Right Out: -3.783 ± 0.000 χ^2/NDF : 2878586622192676654452338755371008.0/15
 Left In: -2.716 ± 0.000 χ^2/NDF : 108607385744411081915708060205056.0/7
 All: -0.058 ± 0.000 χ^2/NDF : 3495063611966

dit_11X12X_coil3_Ndata_mean vs Slug, Sign Corrected



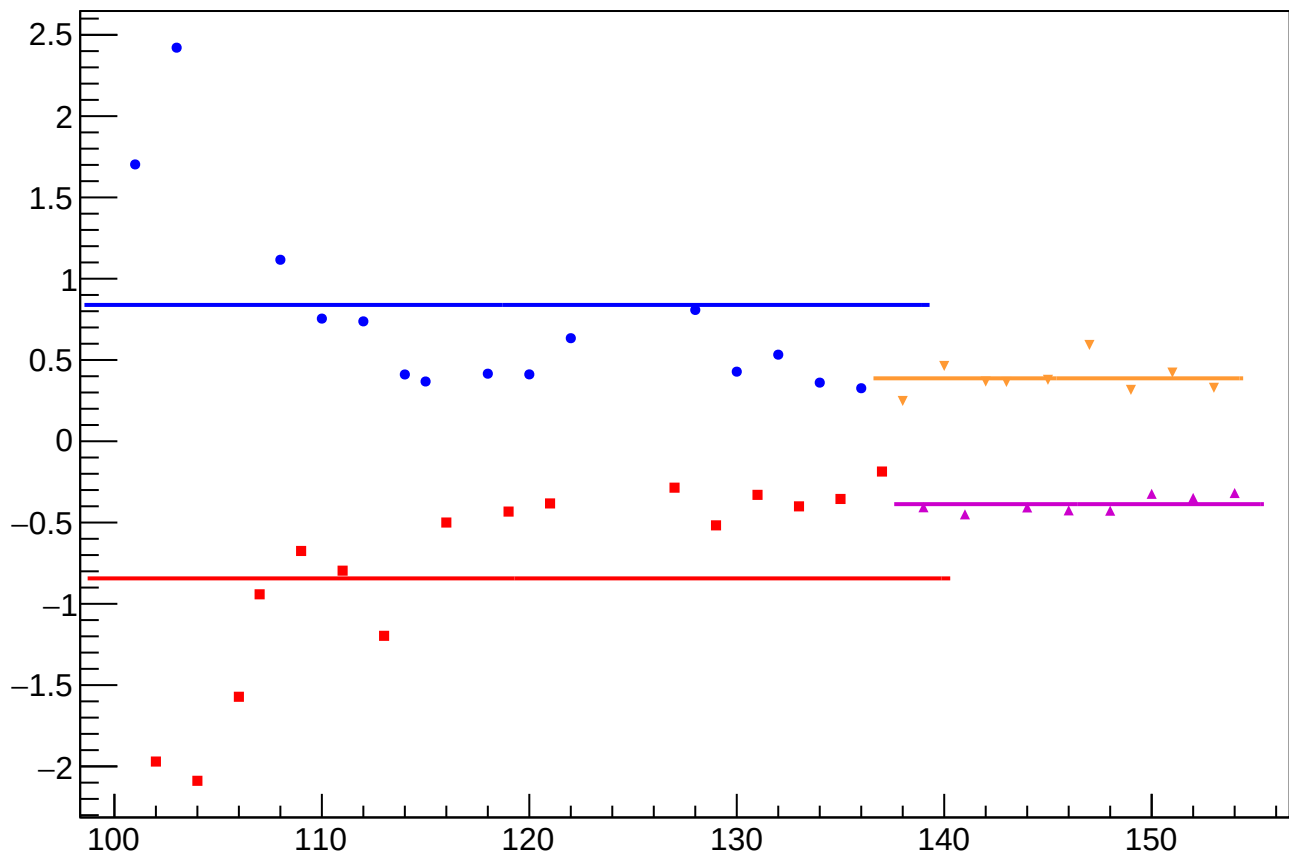
Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1142.645+/-0.000 χ^2/NDF : 29713715013962771151769332826777845760.0/8
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1269.019+/-0.000 χ^2/NDF : 29248954105903421314584303143596589056.0/7
 All: -20.628+/-0.000 χ^2/NDF : 362318824808

dit_4aY_coil3_mean vs Slug, Sign Corrected



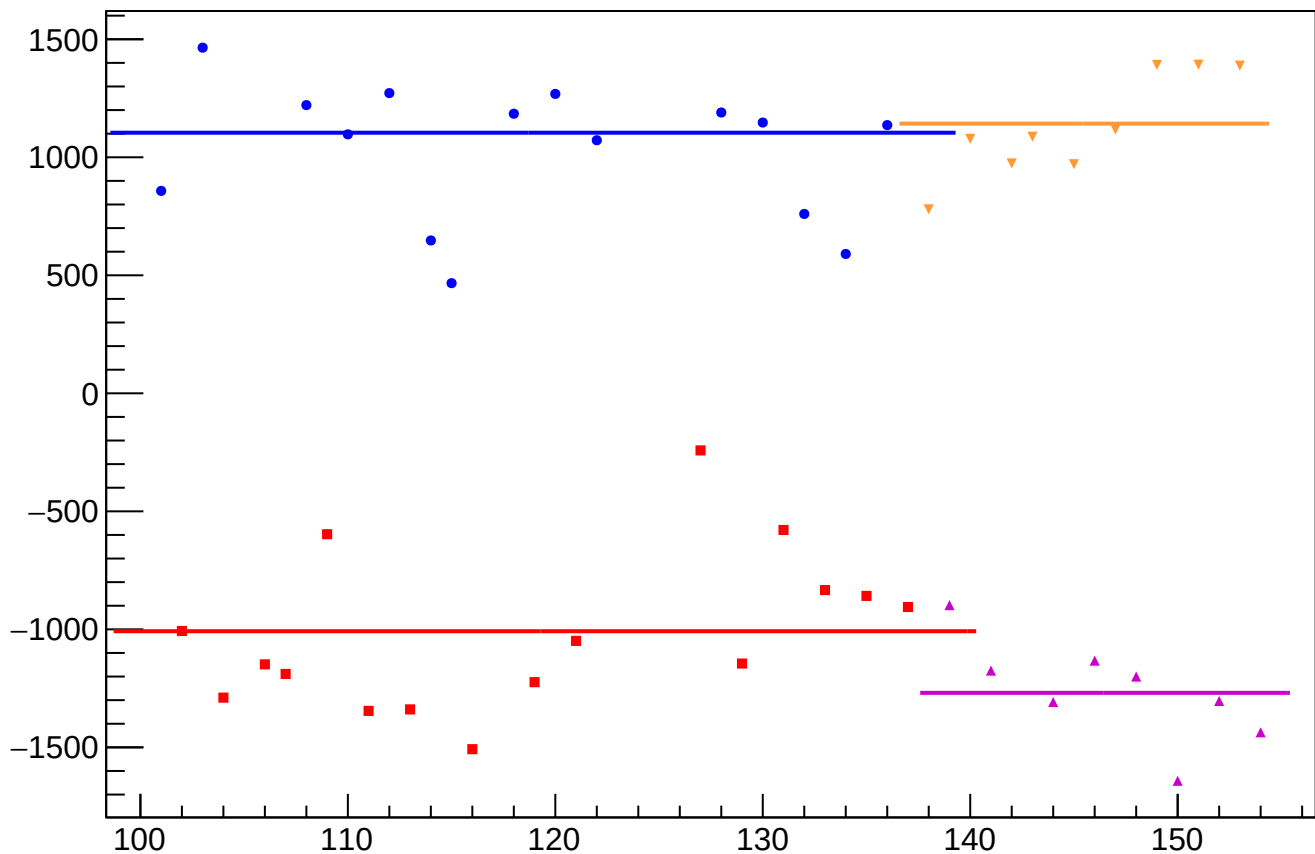
Right In: 4.025+/-0.000	χ^2/NDF : 769001650442321928129473832550400.0/14	Left: -0.093+/-0.000	χ^2/NDF : 24400791694682264
Left Out: 4.096+/-0.000	χ^2/NDF : 548735256446826061743814000771072.0/8	Right: 0.050+/-0.000	χ^2/NDF : 21892754887879739
Right Out: -3.819+/-0.000	χ^2/NDF : 888232240226434329114859171479552.0/15	In: -0.218+/-0.000	χ^2/NDF : 237097434484477766
Left In: -4.215+/-0.000	χ^2/NDF : 250605159869575237023390366695424.0/7	Out: 0.171+/-0.000	χ^2/NDF : 224958738700445422
		All: -0.023+/-0.000	χ^2/NDF : 4630718695101

dit_4aY_coil3_err_mean vs Slug, Sign Corrected



Right In: 0.839 ± 0.000 $\chi^2/\text{NDF}: 258416025334615661521163083841536.0/14$
 Left Out: 0.387 ± 0.000 $\chi^2/\text{NDF}: 6144720660207564692150561013760.0/8$
 Right Out: -0.844 ± 0.000 $\chi^2/\text{NDF}: 252917509393432760240648918925312.0/15$
 Left In: -0.387 ± 0.000 $\chi^2/\text{NDF}: 1570290488053621585700659920896.0/7$
 All: -0.008 ± 0.000 $\chi^2/\text{NDF}: 1654709919540.0/14$

dit_4aY_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

Left Out: 1142.645+/-0.000

χ^2/NDF : 29713715013962771151769332826777845760.0/8

Right Out: -1007.906+/-0.000

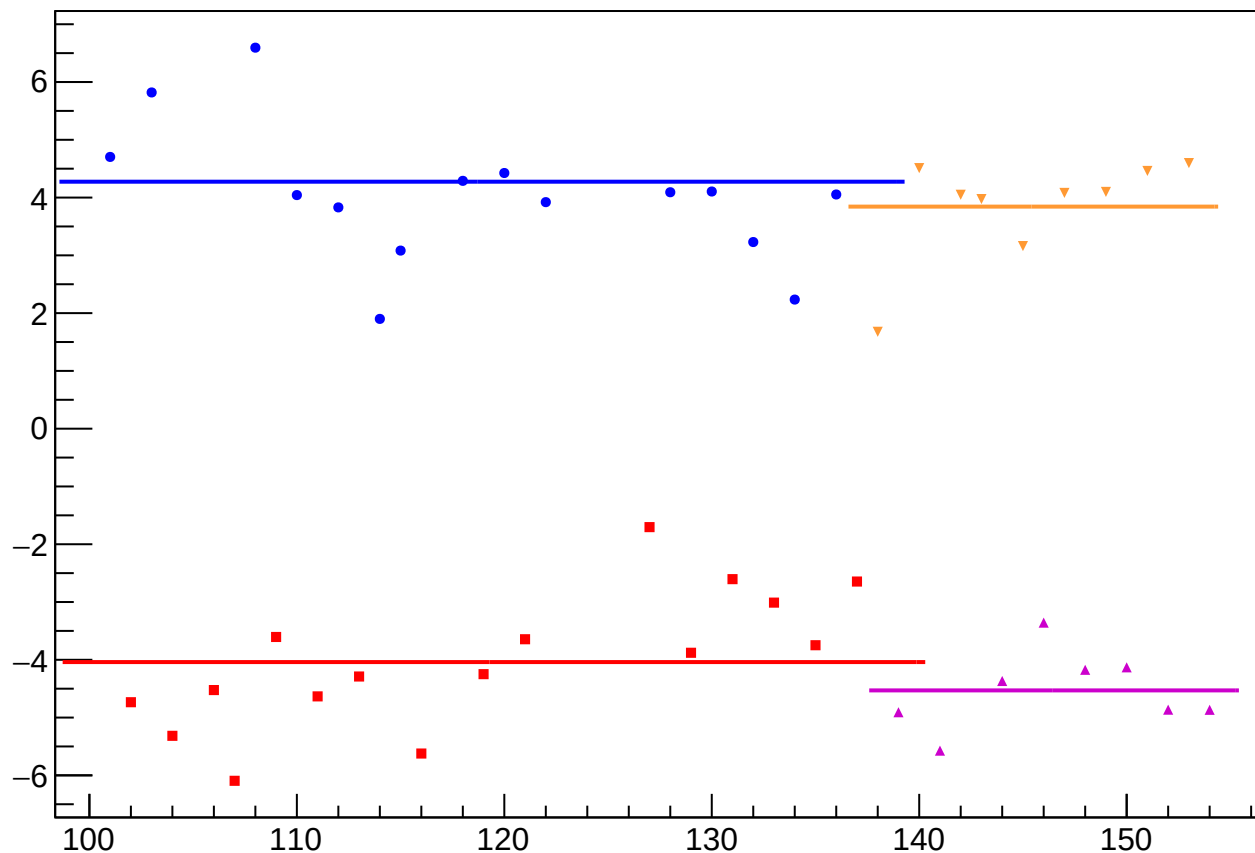
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1269.019+/-0.000

χ^2/NDF : 29248954105903421314584303143596589056.0/7

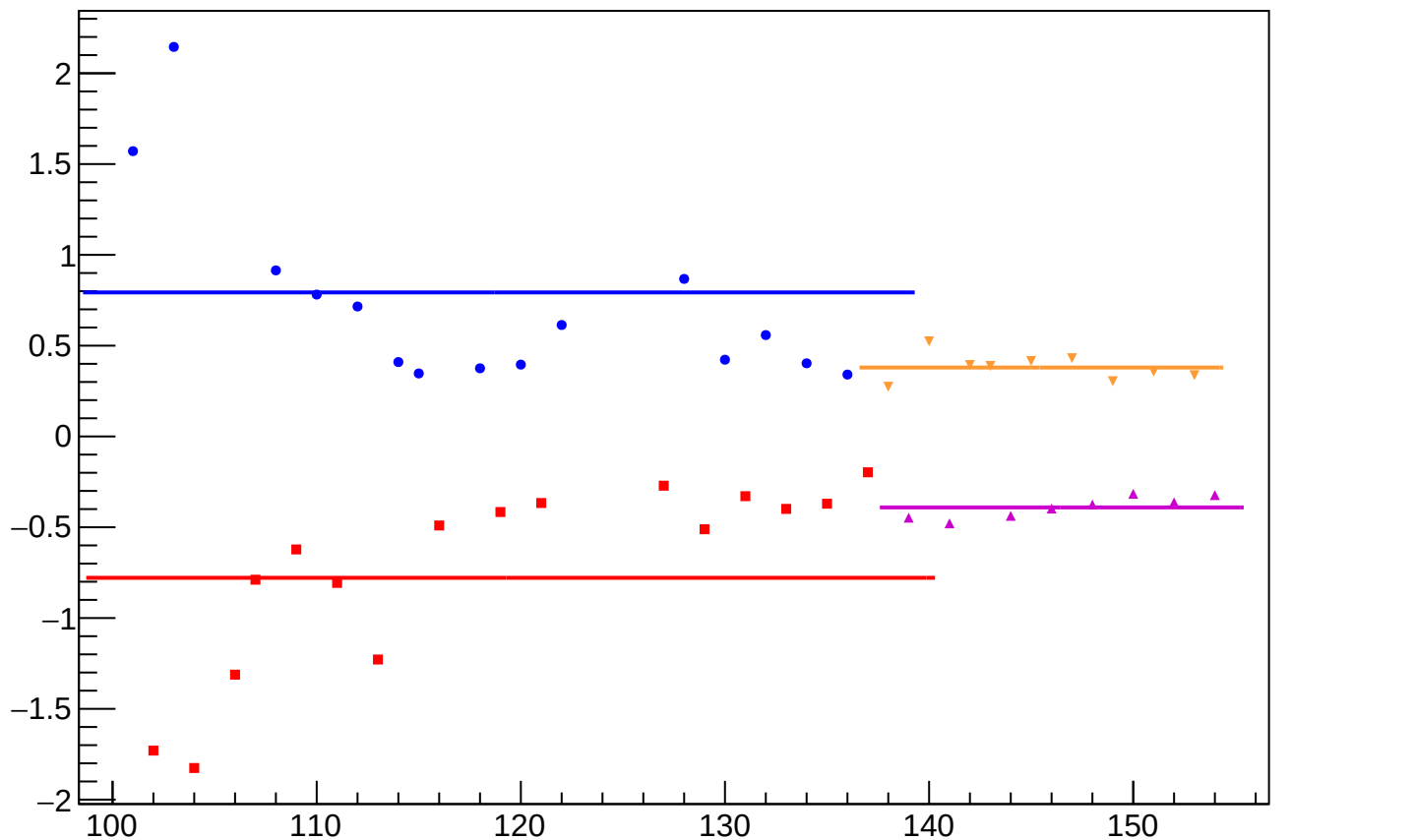
All: -20.628+/-0.000 χ^2/NDF : 362318824808

dit_4eY_coil3_mean vs Slug, Sign Corrected



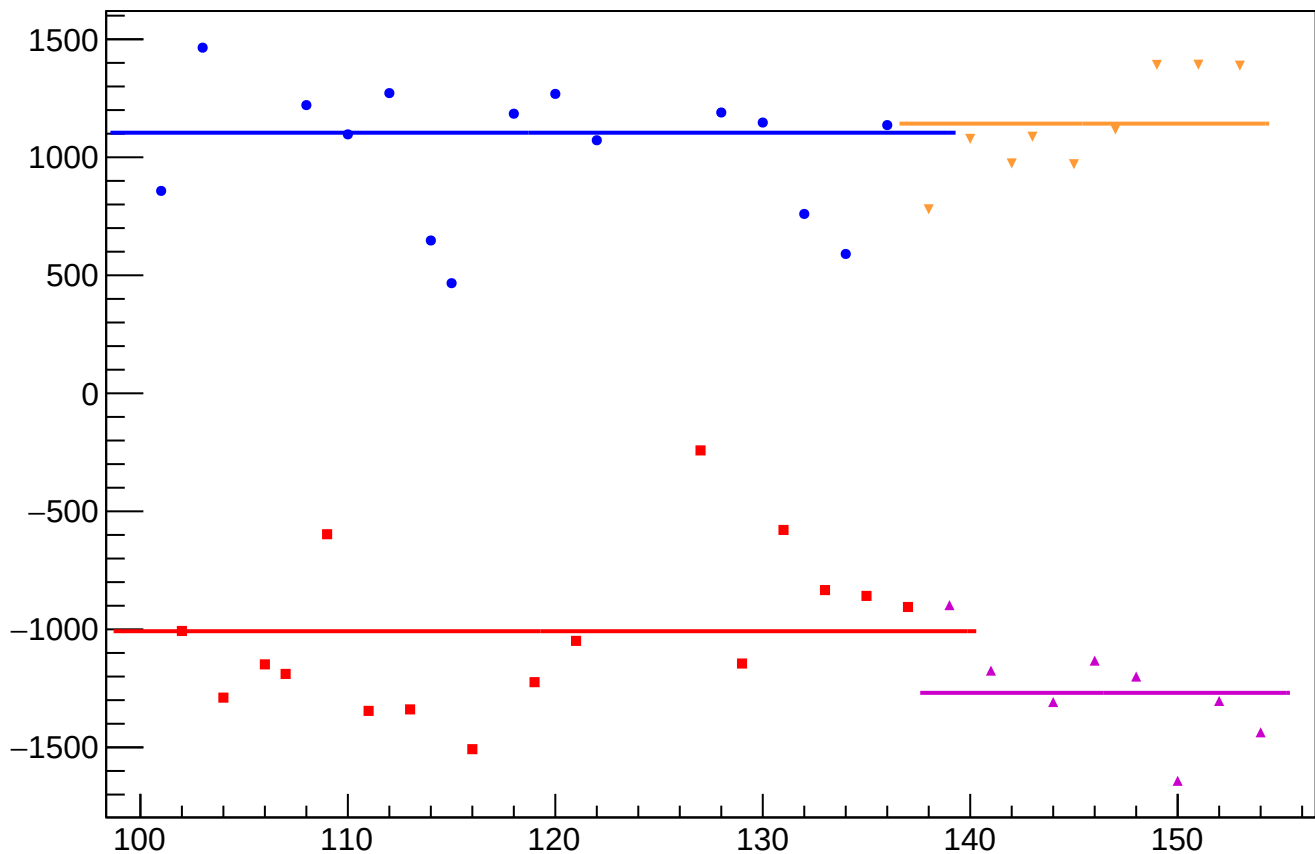
Right In: 4.275 ± 0.000 $\chi^2/\text{NDF}: 597188707898198851792415435522048.0/14$
 Left Out: 3.844 ± 0.000 $\chi^2/\text{NDF}: 530873085835951334274237682679808.0/8$
 Right Out: -4.039 ± 0.000 $\chi^2/\text{NDF}: 772368848194464324973108765130752.0/15$
 Left In: -4.530 ± 0.000 $\chi^2/\text{NDF}: 265408917718453728628087927603200.0/7$
 All: -0.162 ± 0.000 $\chi^2/\text{NDF}: 4899186036475$

dit_4eY_coil3_err_mean vs Slug, Sign Corrected



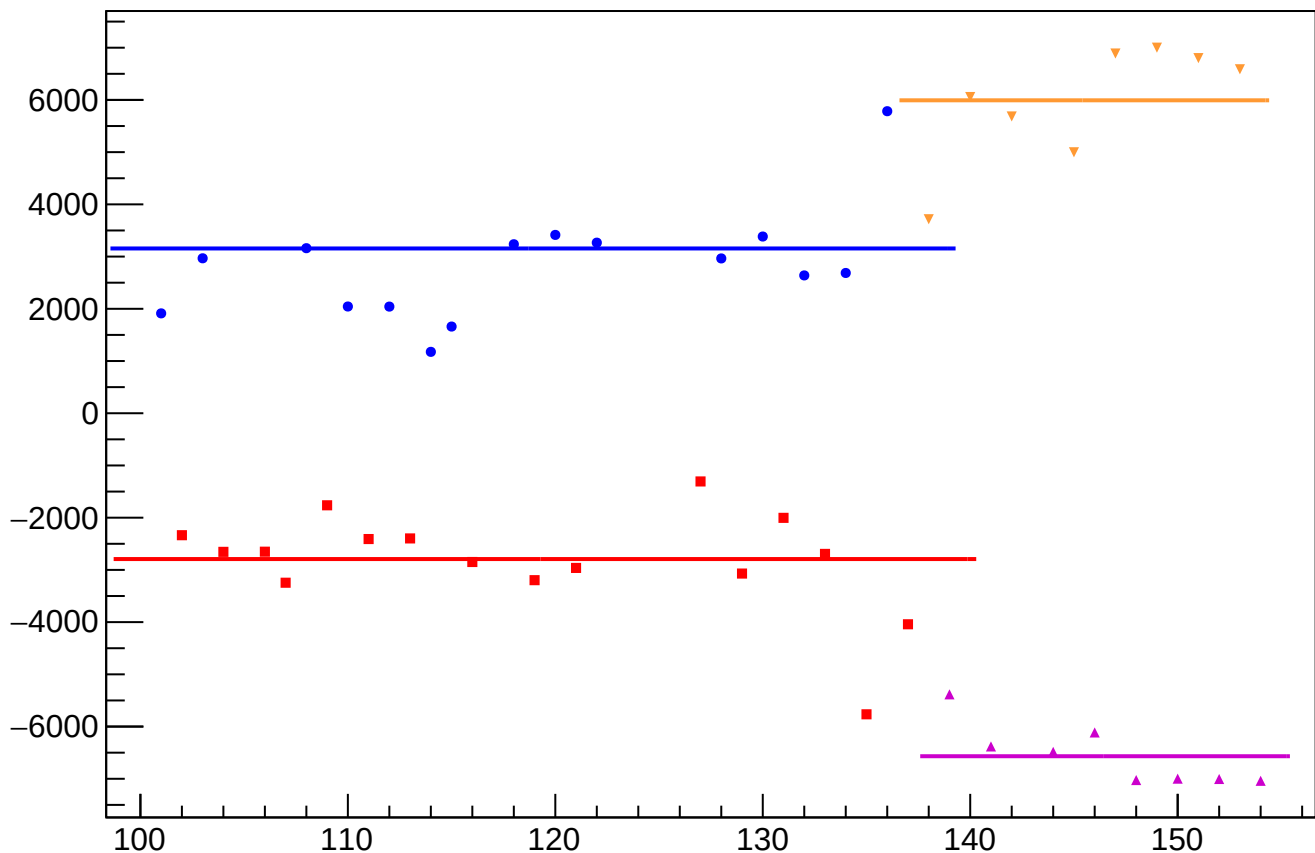
Left: -0.009 +/- 0.000 χ^2/NDF : 20846853809486985
 Right In: 0.793 +/- 0.000 χ^2/NDF : 195508777173589483440314700005376.0/14
 Right: -0.003 +/- 0.000 χ^2/NDF : 1193841006449656
 Left Out: 0.380 +/- 0.000 χ^2/NDF : 3572944566019190064988265906176.0/8
 In: 0.184 +/- 0.000 χ^2/NDF : 6660950422842134174
 Right Out: -0.778 +/- 0.000 χ^2/NDF : 185814635772183306063903690063872.0/15
 Out: -0.195 +/- 0.000 χ^2/NDF : 64027470452636673
 Left In: -0.391 +/- 0.000 χ^2/NDF : 2115210429956729286709756297216.0/7
 All: -0.006 +/- 0.000 χ^2/NDF : 1402328520396

dit_4eY_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1142.645+/-0.000 χ^2/NDF : 29713715013962771151769332826777845760.0/8
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1269.019+/-0.000 χ^2/NDF : 29248954105903421314584303143596589056.0/7
 All: -20.628+/-0.000 χ^2/NDF : 362318824808

dit_usl_coil3_mean vs Slug, Sign Corrected



Right In: 3155.434+/-0.000

χ^2/NDF : 903550534773622902110918214033612996608.0/14

Left Out: 5992.608+/-0.000

χ^2/NDF : 717848383474966199493853809664529006592.0/7

Right Out: -2792.245+/-0.000

χ^2/NDF : 674635749324173001973264427530986717184.0/15

Left In: -6568.062+/-0.000

χ^2/NDF : 205070232947575856489808511942678020096.0/7

Left: -664.547+/-0.000 χ^2/NDF : 520137181003244

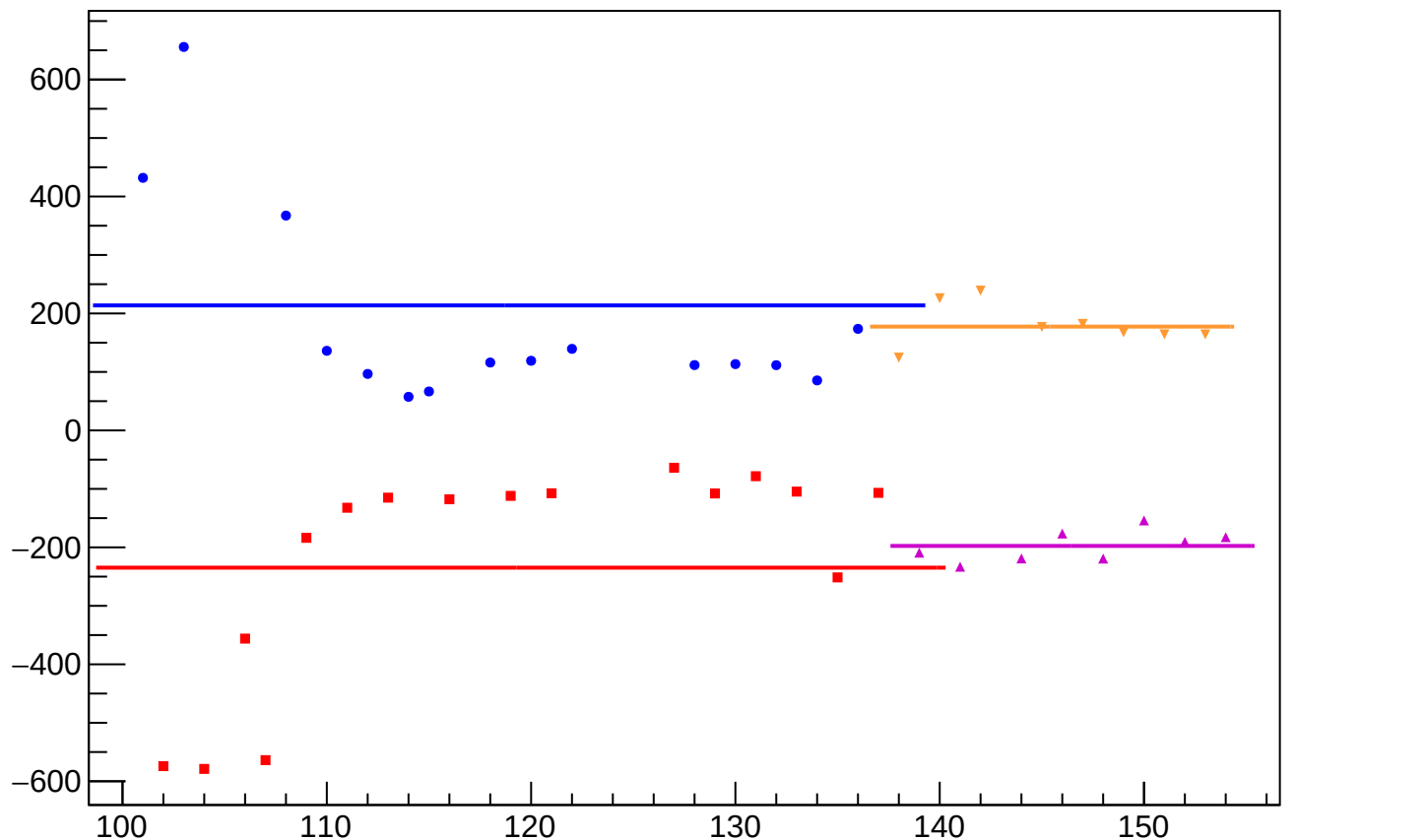
Right: 140.919+/-0.000 χ^2/NDF : 132143468168130

In: -1851.658+/-0.000 χ^2/NDF : 327061160191323

Out: 1407.712+/-0.000 χ^2/NDF : 260021231019532

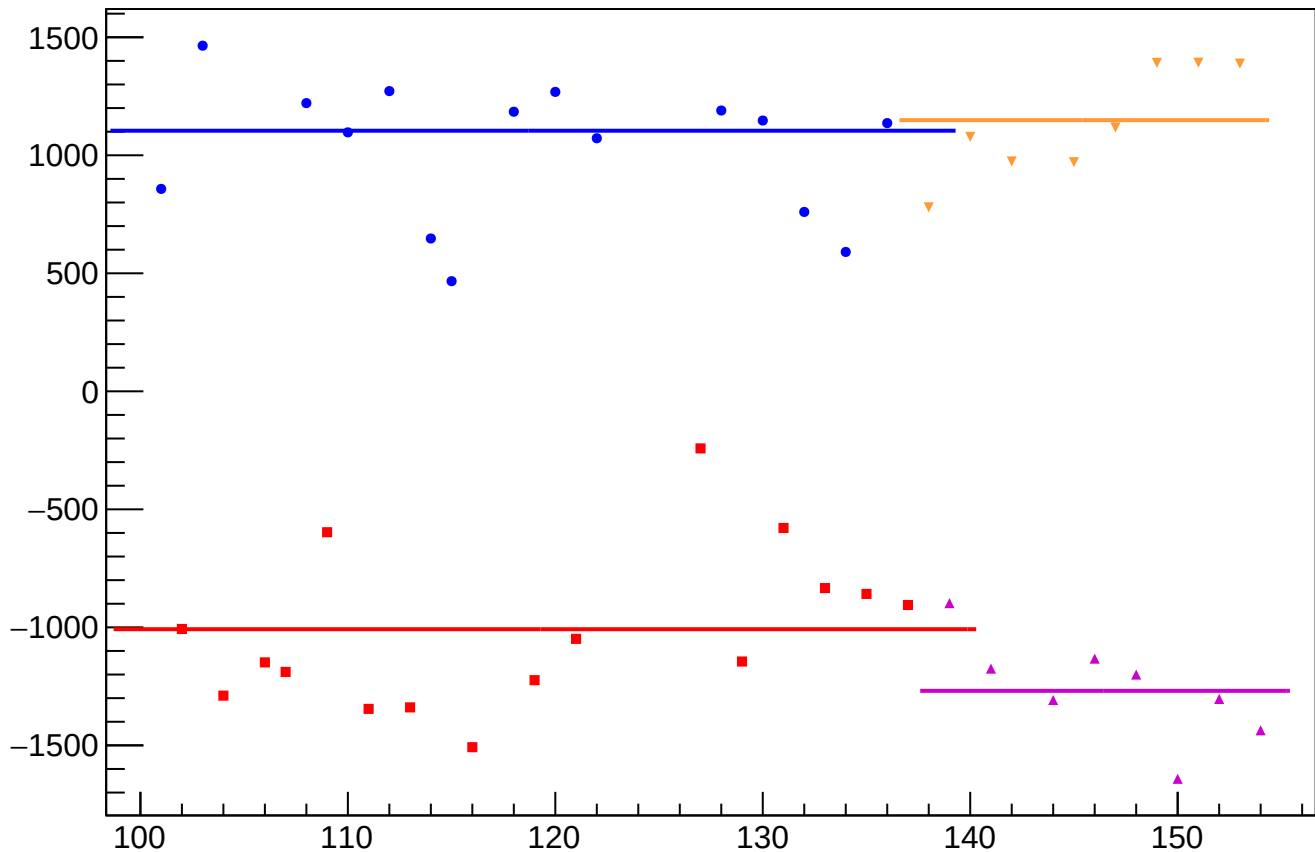
All: -259.351+/-0.000 χ^2/NDF : 65652347736

dit_usl_coil3_err_mean vs Slug, Sign Corrected



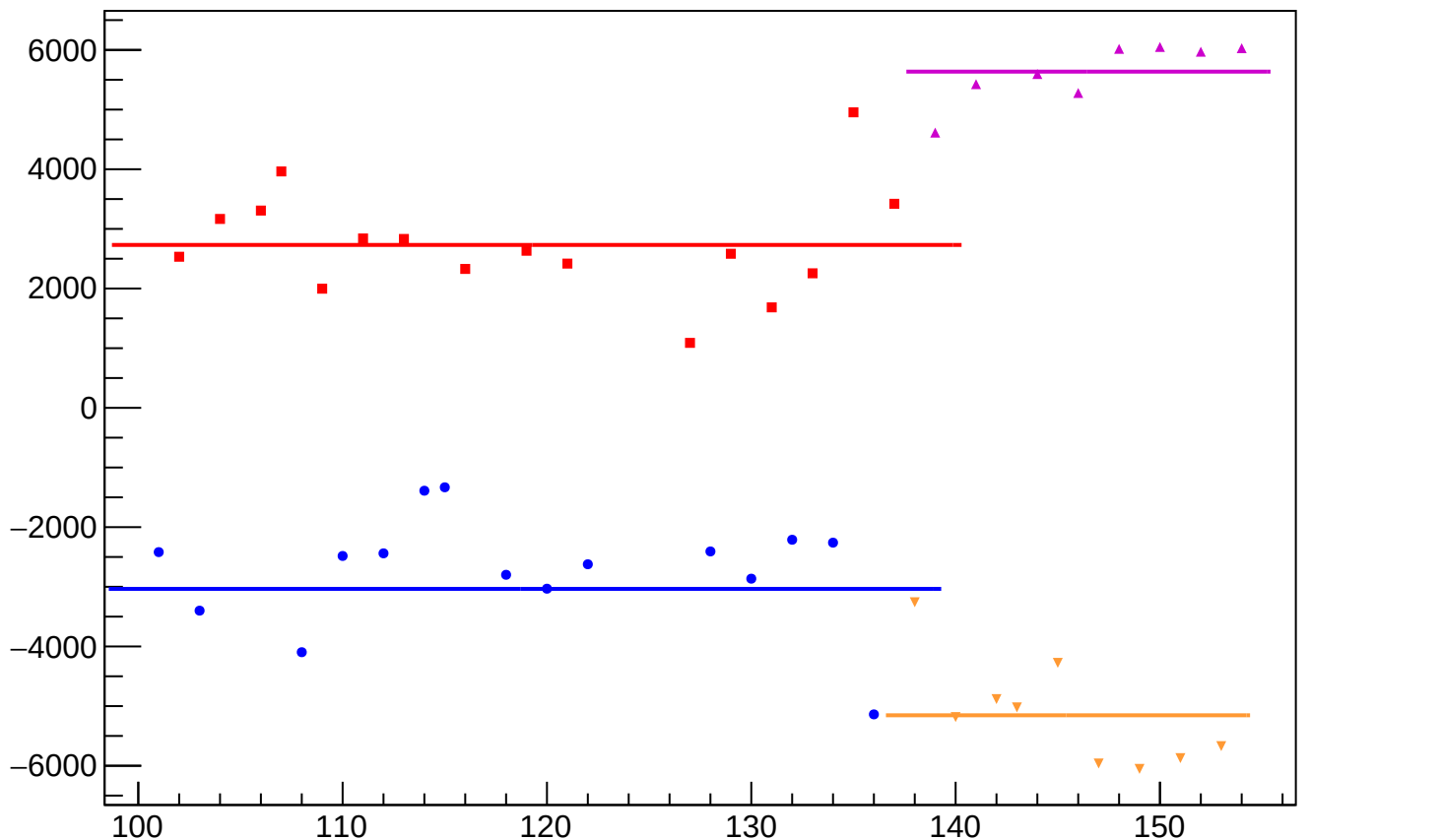
Right In: 213.739+/-0.000 χ^2/NDF : 19718138109054002114361149860507287552.0/14
 Left Out: 177.483+/-0.000 χ^2/NDF : 624585061959481836385633003508858880.0/7
 Right Out: -234.712+/-0.000 χ^2/NDF : 24013134107167214895189050481067425792.0/15
 Left In: -197.550+/-0.000 χ^2/NDF : 432966500388927282359738960936173568.0/7
 All: -17.395+/-0.000 χ^2/NDF : 156526784576

dit_usl_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1148.740+/-0.000 χ^2/NDF : 29484007063916472432746143580652830720.0/7
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1269.019+/-0.000 χ^2/NDF : 29248954105903421314584303143596589056.0/7
 All: -48.998+/-0.000 χ^2/NDF : 353887560232

dit_usr_coil3_mean vs Slug, Sign Corrected



Right In: -3034.527 $\pm$ 0.000

Left Out: -5153.756 $\pm$ 0.000

Right Out: 2731.035 $\pm$ 0.000

Left In: 5636.211 $\pm$ 0.000

χ^2/NDF : 630694553353463868547335175090919702528.0/14

χ^2/NDF : 528441612364449873988088627532927074304.0/8

χ^2/NDF : 528290847703567991555694629239211950080.0/15

χ^2/NDF : 150410045003169590469793528193285619712.0/7

Left: 284.640 $\pm$ 0.000 χ^2/NDF : 4046396893823927

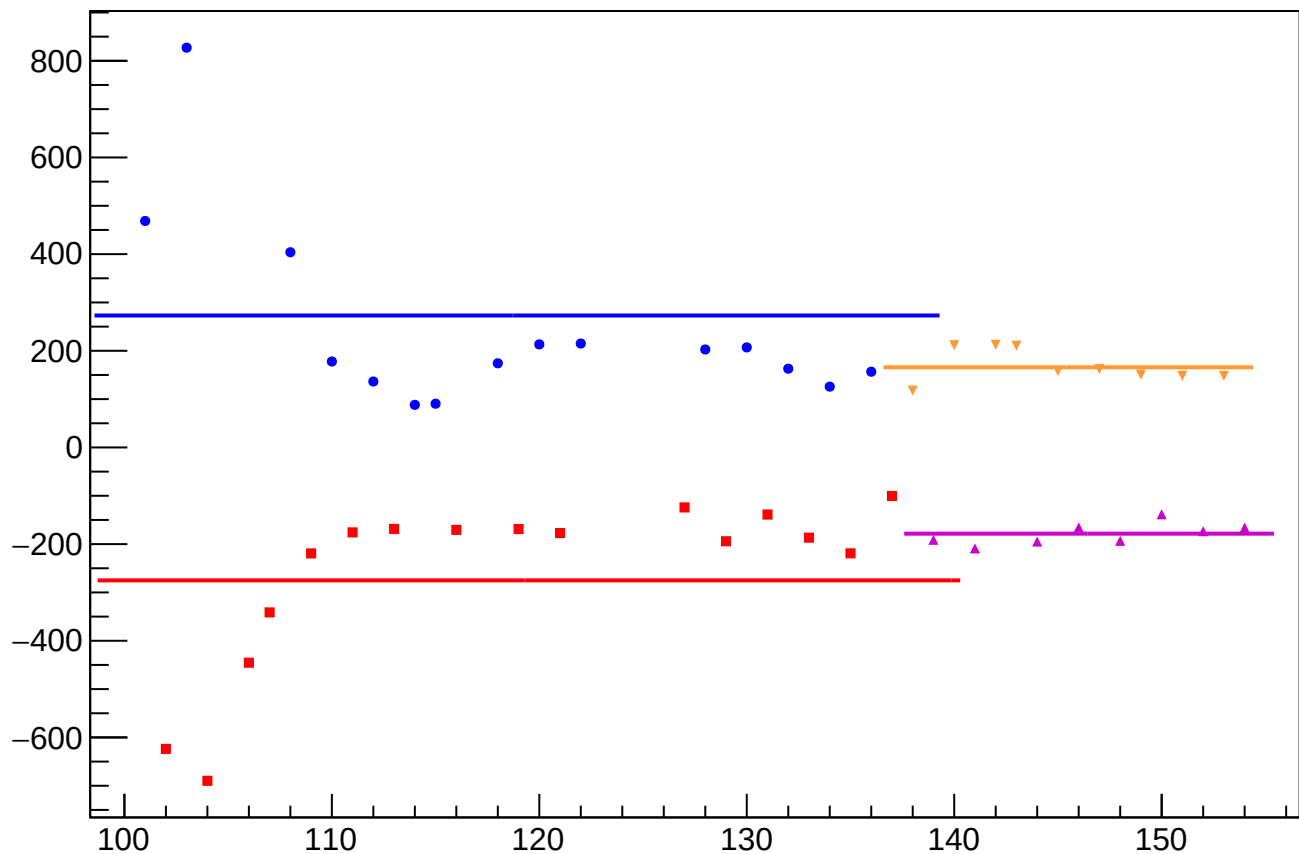
Right: -112.316 $\pm$ 0.000 χ^2/NDF : 12093460154256

In: 1430.449 $\pm$ 0.000 χ^2/NDF : 2590690868190214

Out: -1243.603 $\pm$ 0.000 χ^2/NDF : 21959971193381

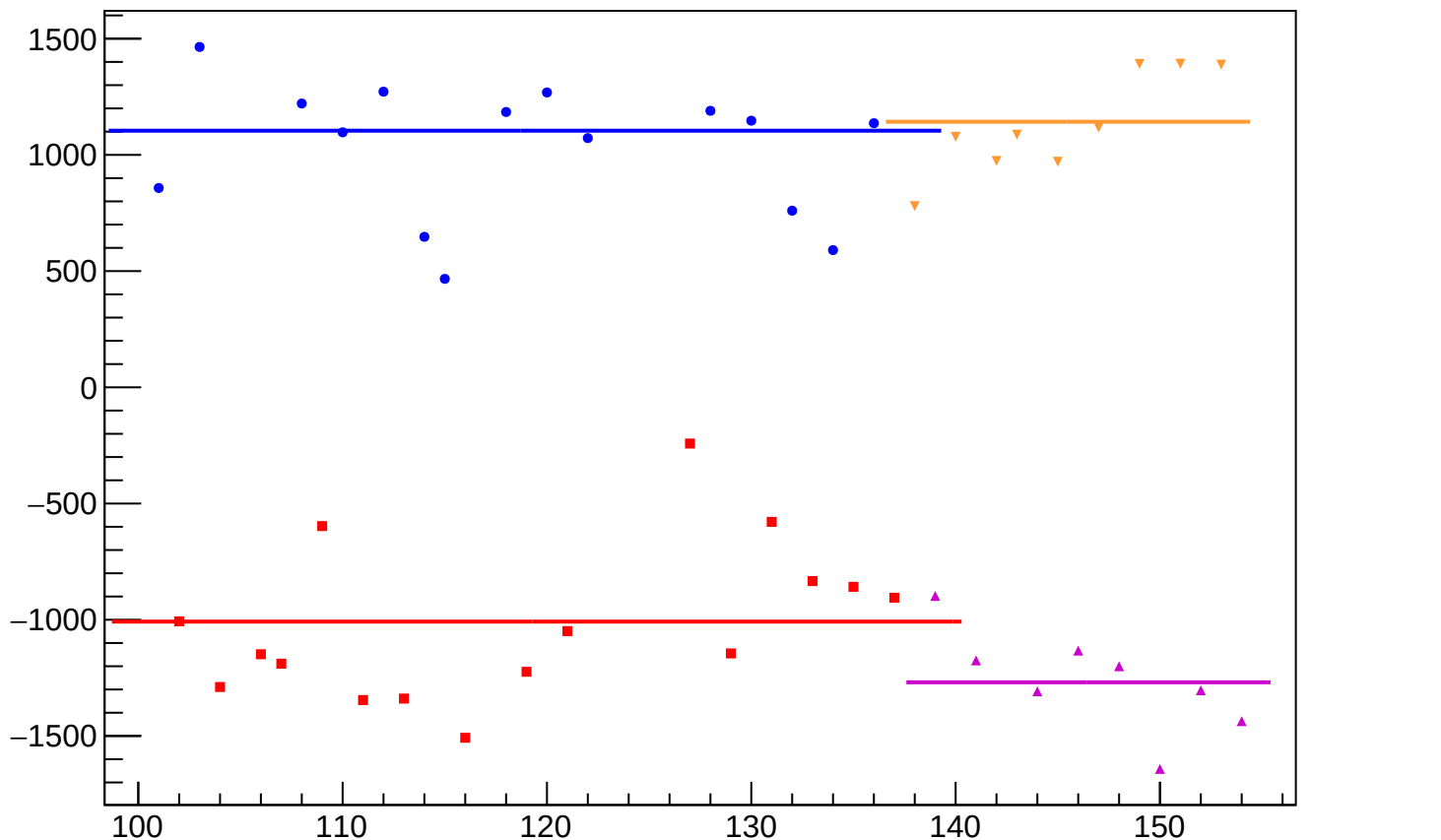
All: 89.935 $\pm$ 0.000 χ^2/NDF : 5266308379147

dit_usr_coil3_err_mean vs Slug, Sign Corrected



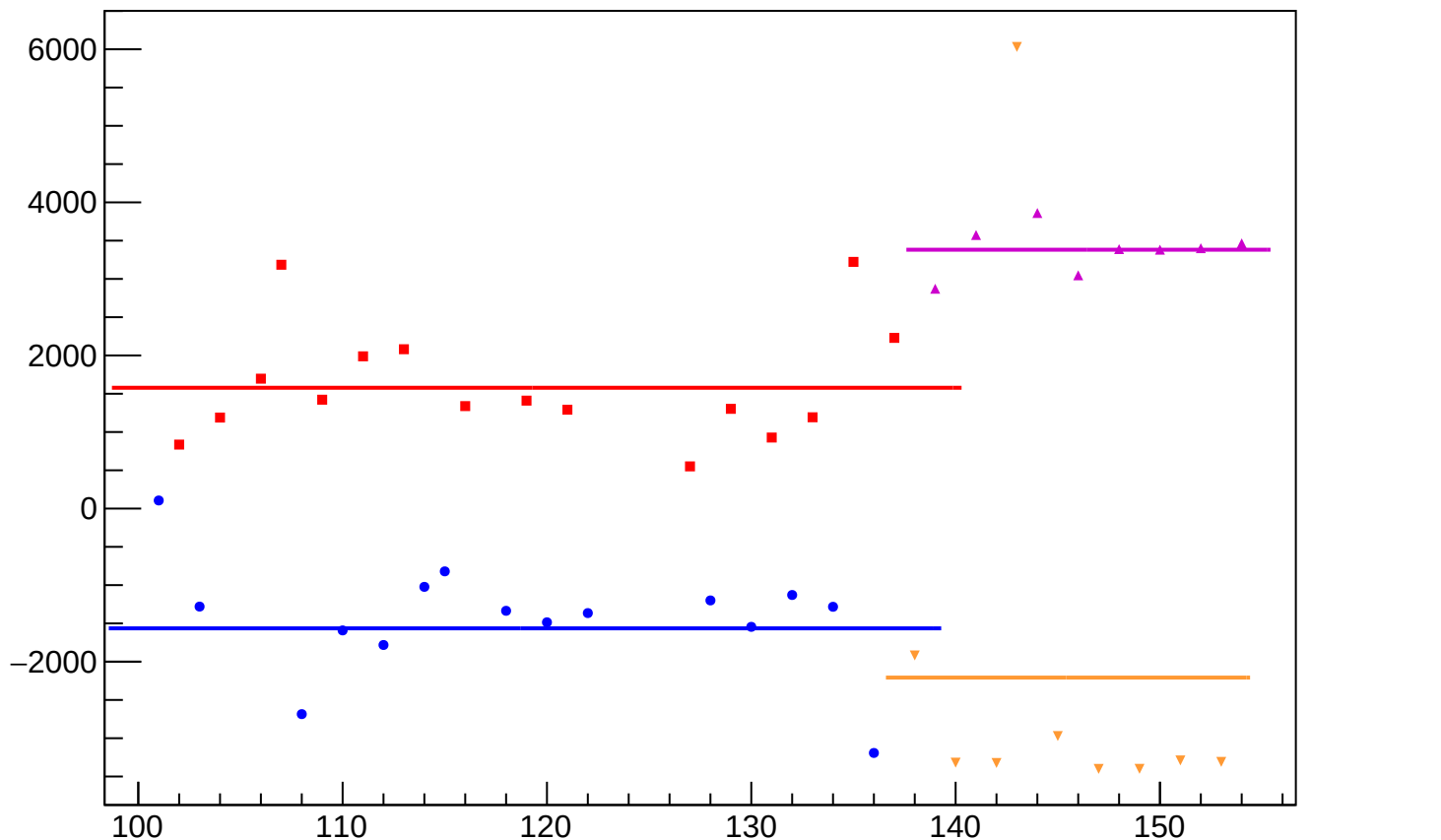
Right In: 273.039+/-0.000 χ^2/NDF : 26485935053341175092913795212184125440.0/14
 Left Out: 165.869+/-0.000 χ^2/NDF : 661817443292026218868564783024570368.0/8
 Right Out: -275.044+/-0.000 χ^2/NDF : 22264760088752901792561892991657050112.0/15
 Left In: -178.375+/-0.000 χ^2/NDF : 311075101467857028908476603937325056.0/7
 All: -6.222+/-0.000 χ^2/NDF : 1890366233822

dit_usr_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 +/- 0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1142.645 +/- 0.000 χ^2/NDF : 29713715013962771151769332826777845760.0/8
 Right Out: -1007.906 +/- 0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1269.019 +/- 0.000 χ^2/NDF : 29248954105903421314584303143596589056.0/7
 All: -20.628 +/- 0.000 χ^2/NDF : 362318824808

dit_atl1_coil3_mean vs Slug, Sign Corrected



Right In: -1564.595+/-0.000

Left Out: -2207.888+/-0.000

Right Out: 1578.178+/-0.000

Left In: 3381.464+/-0.000

χ^2/NDF : 483874800978571042578975757029039144960.0/14

χ^2/NDF : 5183211537986702201357393337470666407936.0/8

χ^2/NDF : 368450572556217564071963203581098590208.0/15

χ^2/NDF : 54606474603667811038478452611247767552.0/7

Left: 609.276+/-0.000 χ^2/NDF : 1591369067418417

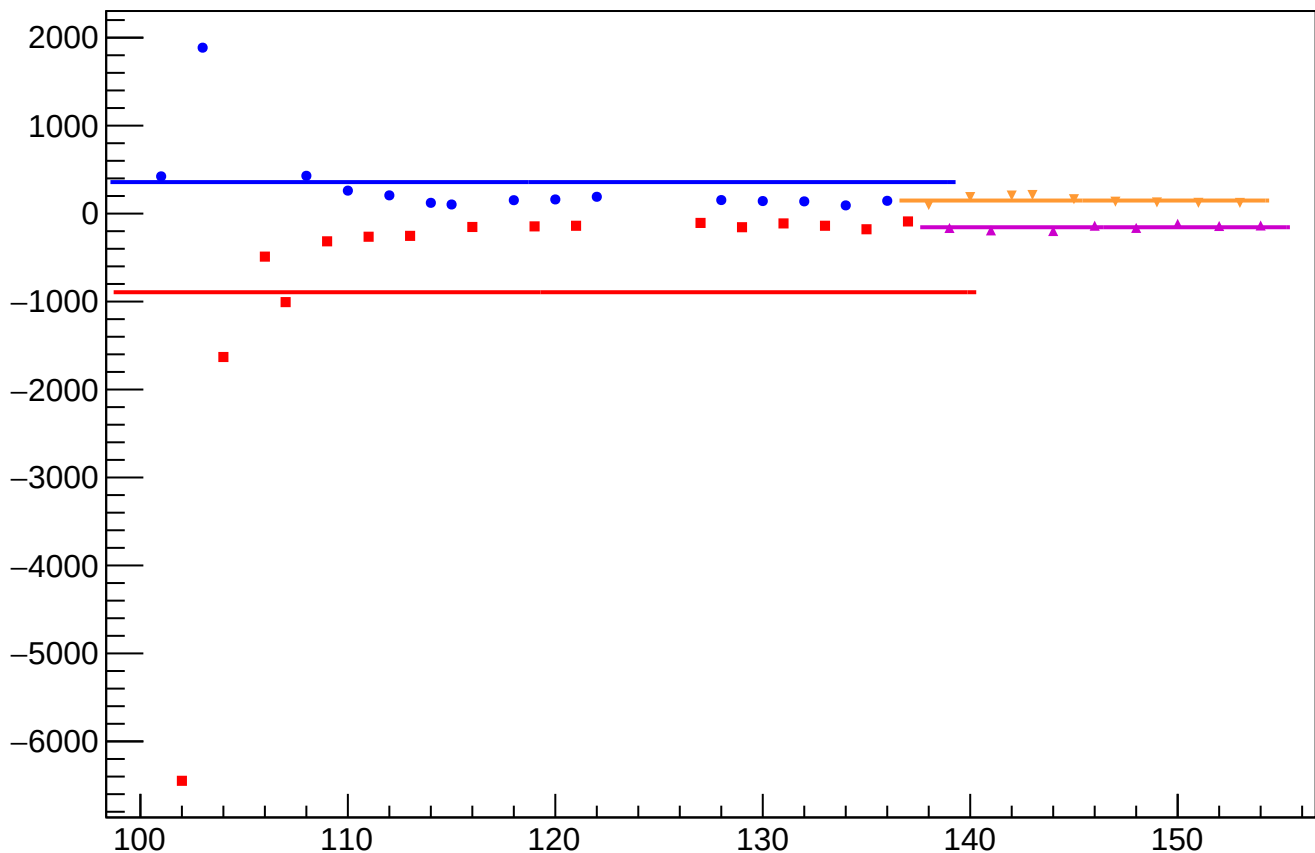
Right: 28.285+/-0.000 χ^2/NDF : 4101258280925694

In: 982.367+/-0.000 χ^2/NDF : 87142096003473385

Out: -330.337+/-0.000 χ^2/NDF : 103712474851815

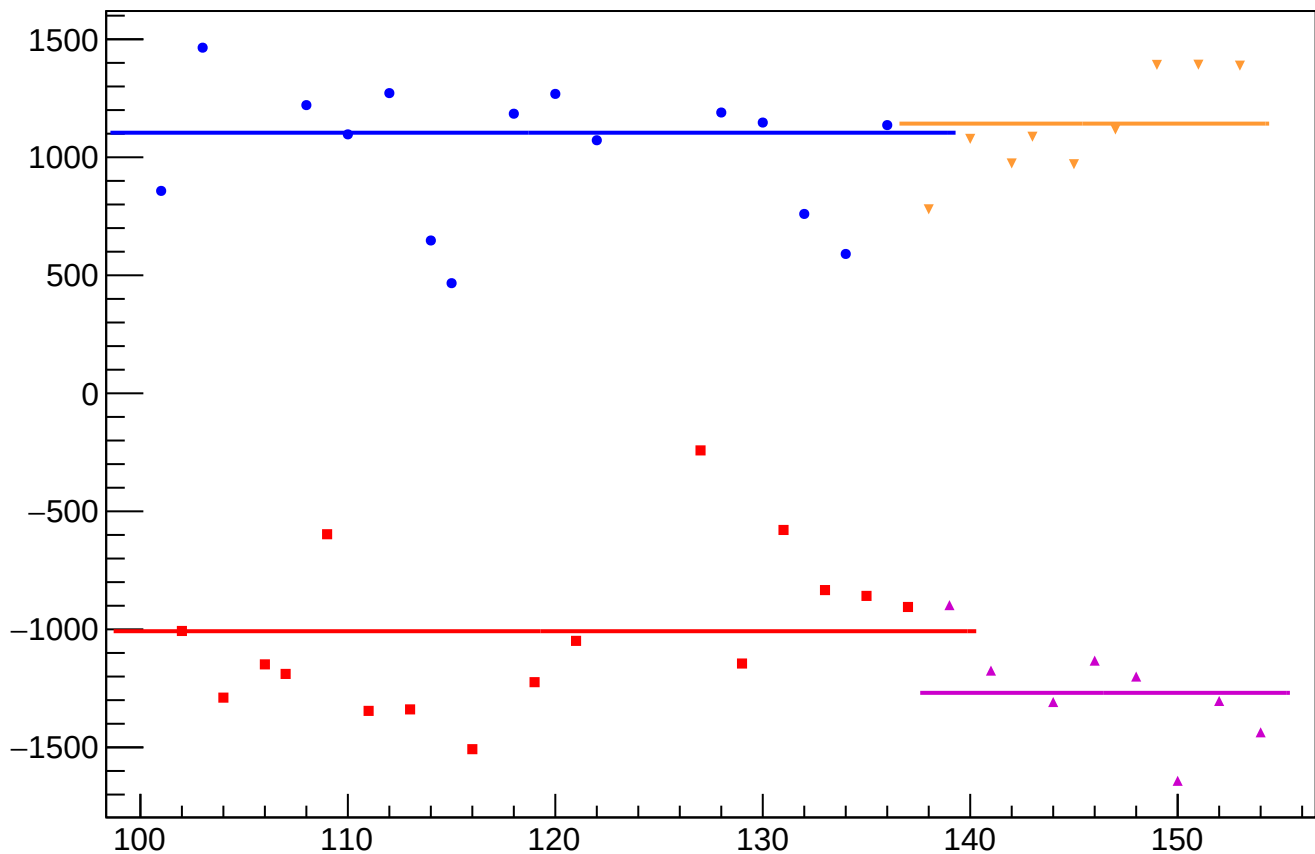
All: 324.302+/-0.000 χ^2/NDF : 20241279666

dit_atl1_coil3_err_mean vs Slug, Sign Corrected



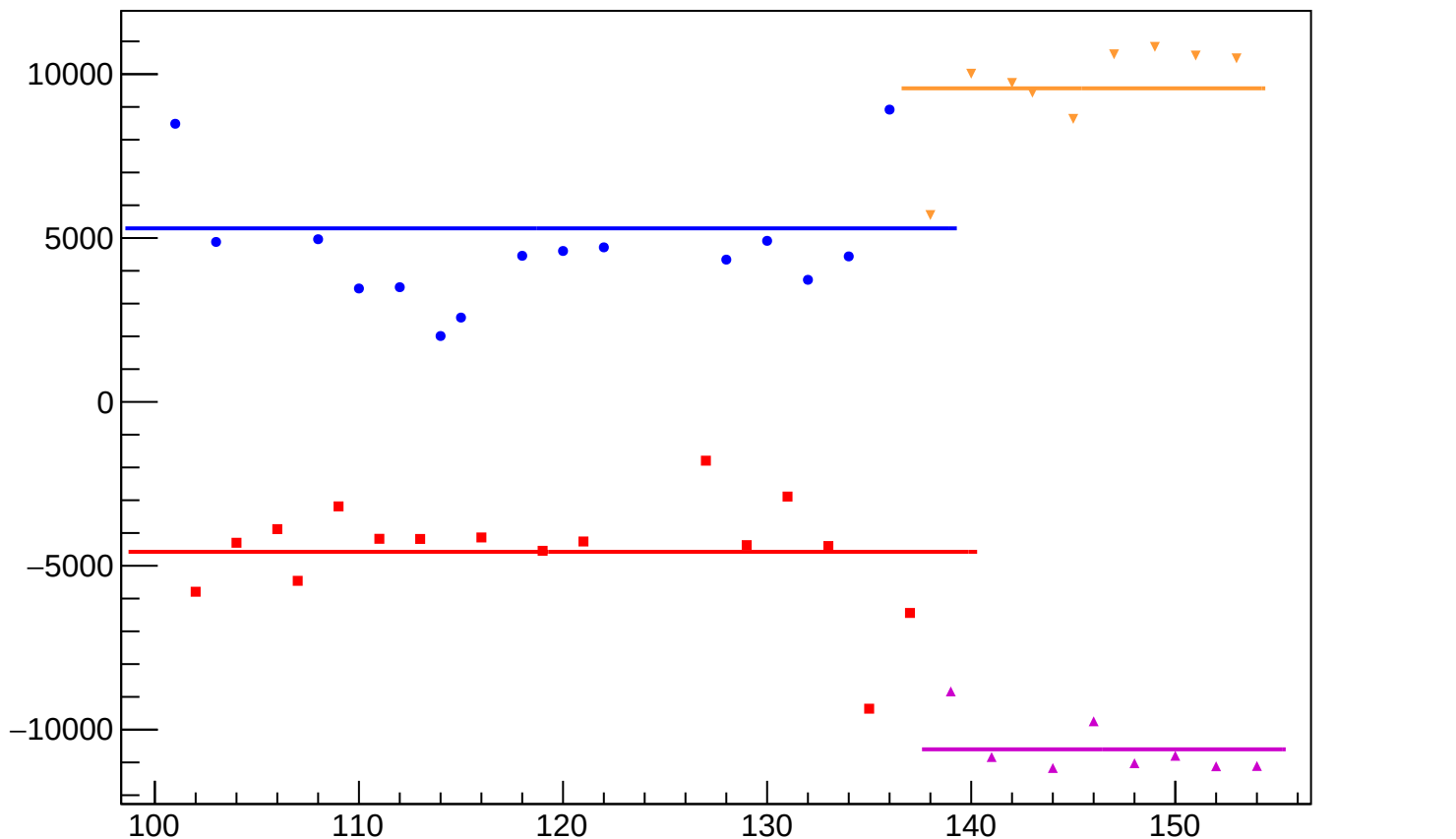
Right In: 358.080+/-0.000 χ^2/NDF : 157922789145697858165644452090202816512.0/14
 Left Out: 148.486+/-0.000 χ^2/NDF : 929486005195196844827809127673626624.0/8
 Right Out: -893.897+/-0.000 χ^2/NDF : 2075920155774201043572695656797803905024.0/15
 Left In: -155.187+/-0.000 χ^2/NDF : 499132190465330951553590290095800320.0/7
 All: -137.937+/-0.000 χ^2/NDF : 28319478415

dit_atl1_coil3_Ndata_mean vs Slug, Sign Corrected



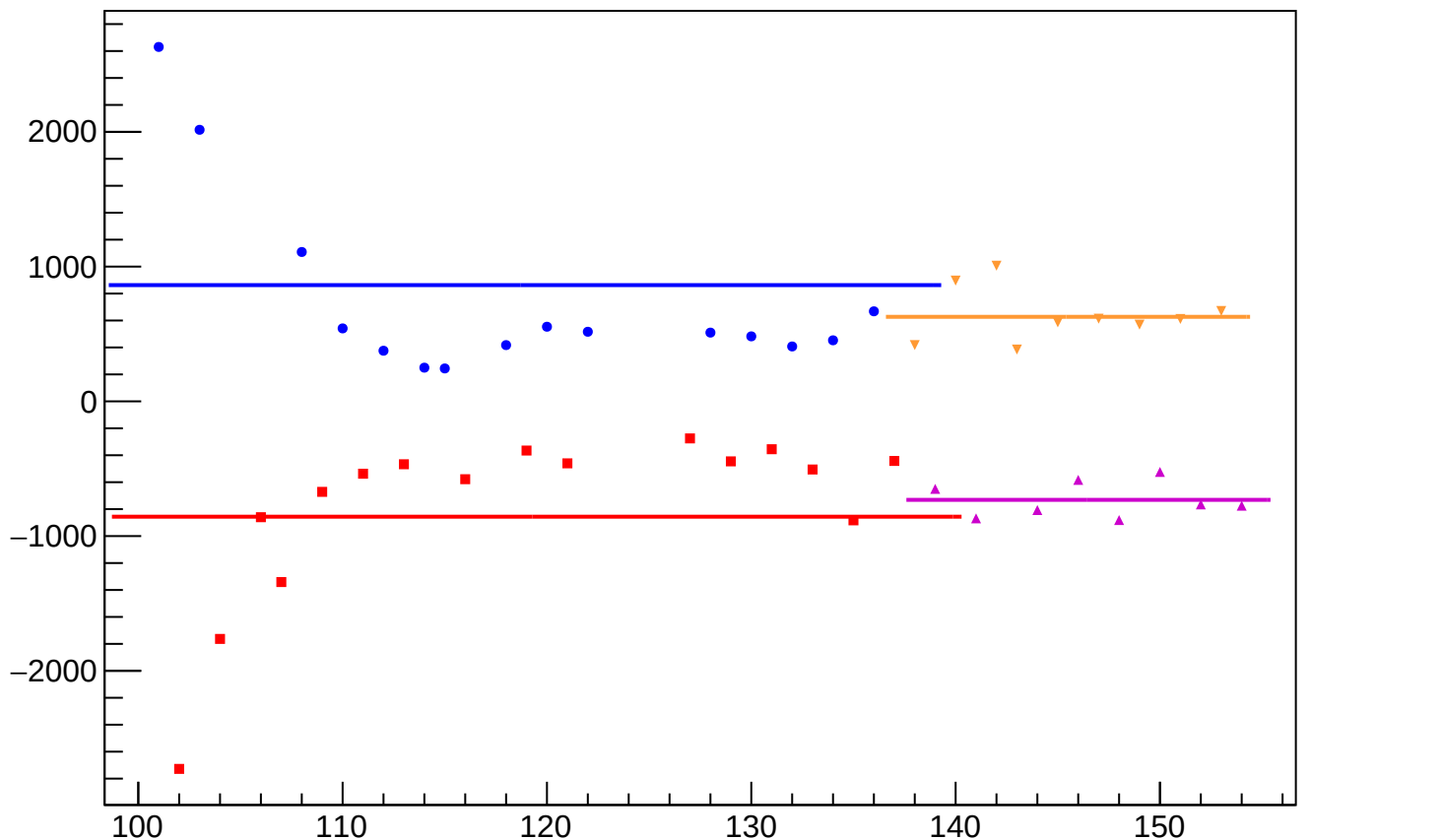
Right In: 1104.111 +/- 0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1142.645 +/- 0.000 χ^2/NDF : 29713715013962771151769332826777845760.0/8
 Right Out: -1007.906 +/- 0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1269.019 +/- 0.000 χ^2/NDF : 29248954105903421314584303143596589056.0/7
 All: -20.628 +/- 0.000 χ^2/NDF : 362318824808

dit_atl2_coil3_mean vs Slug, Sign Corrected



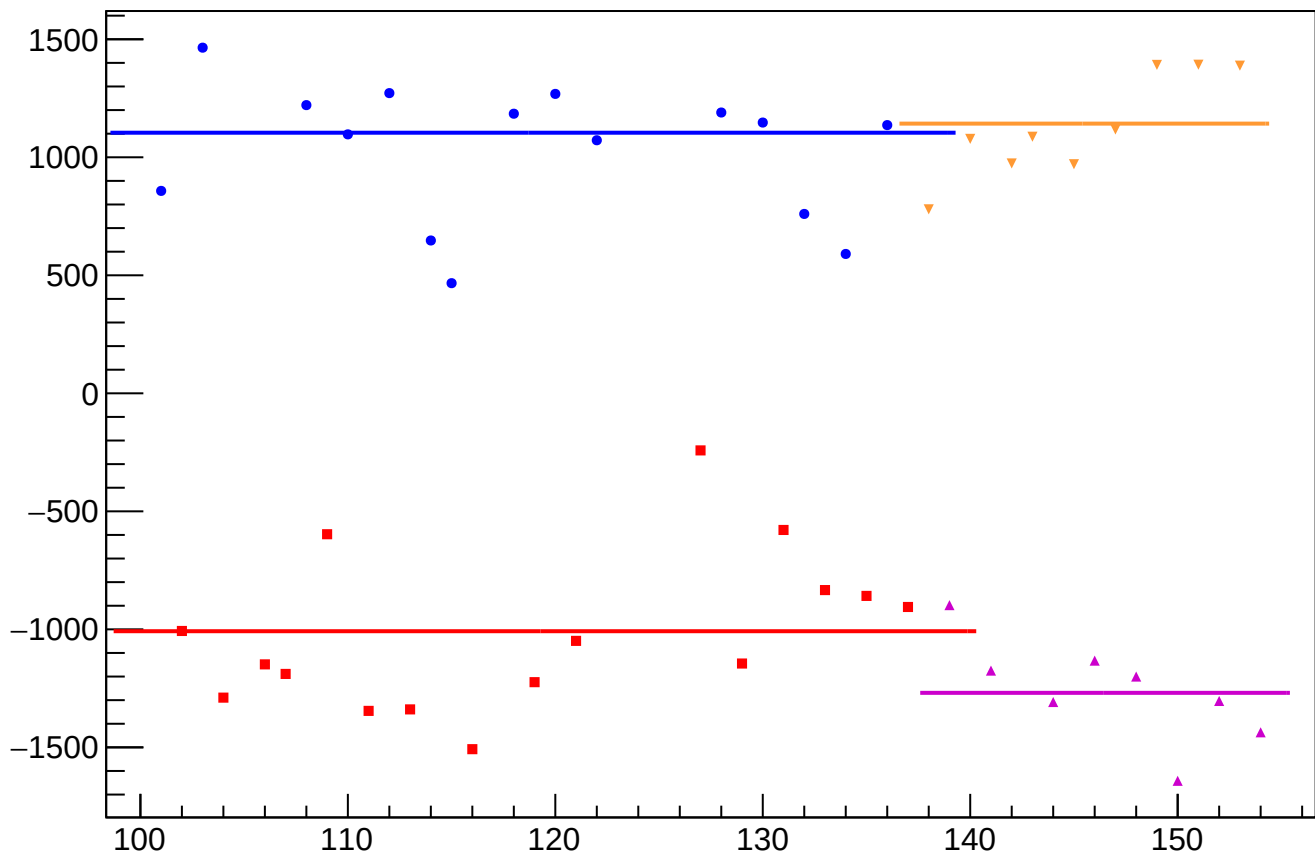
Right In: 5295.485 $\pm$ 0.000 χ^2 /NDF: 2505645232968263275444048016093183213568.0/14
 Left Out: 9567.665 $\pm$ 0.000 χ^2 /NDF: 1622054916436427539297095319099988246528.0/8
 Right Out: -4575.270 $\pm$ 0.000 χ^2 /NDF: 1863322094770403739096100800072716910592.0/15
 Left In: -10600.410 $\pm$ 0.000 χ^2 /NDF: 411829174140564321375597282867871219712.0/7
 All: -160.917 $\pm$ 0.000 χ^2 /NDF: 17798140020

dit_atl2_coil3_err_mean vs Slug, Sign Corrected



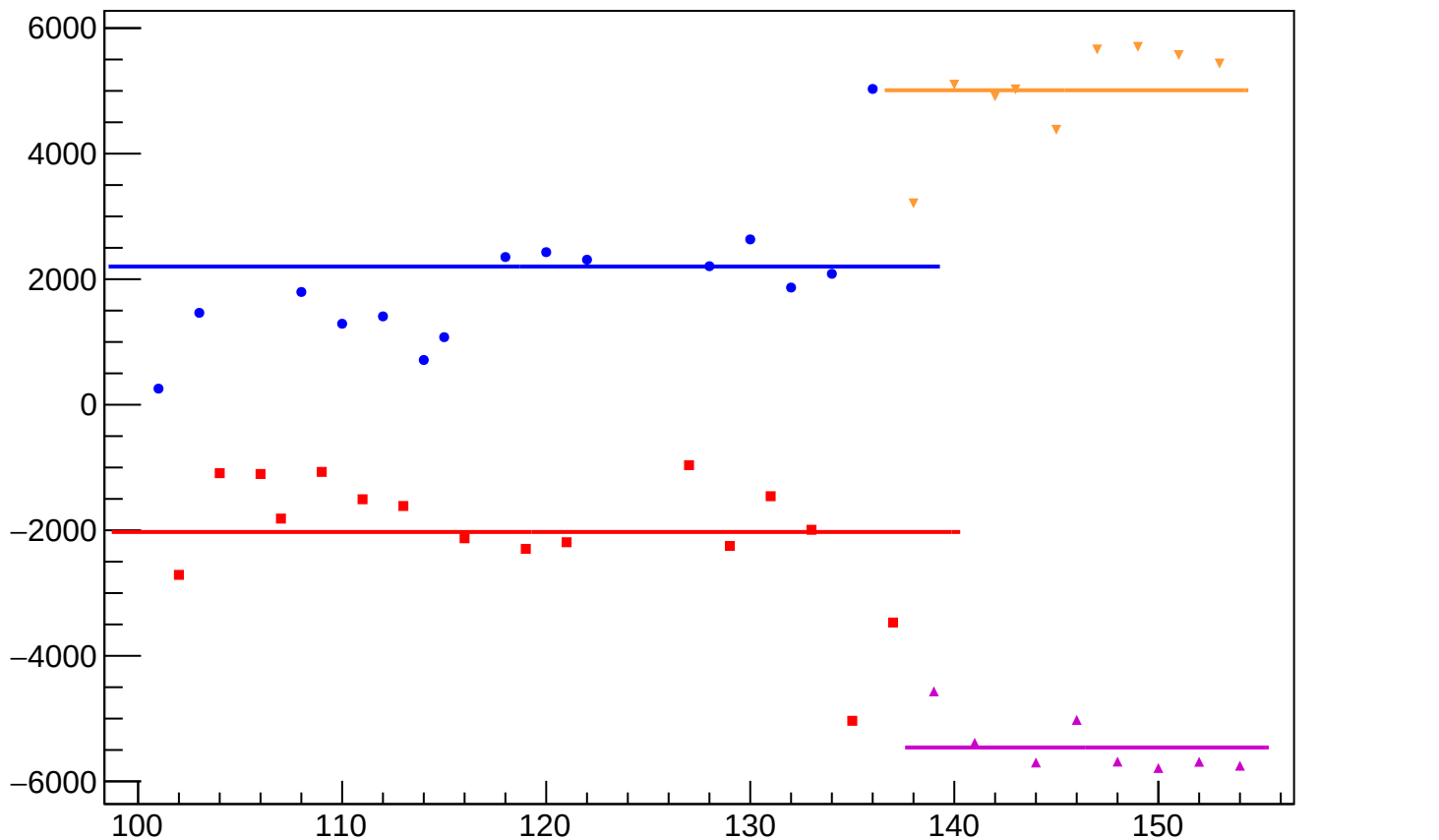
Right In: 862.683 +/- 0.000 χ^2/NDF : 337684000863819315026459106525759668224.0/14
 Left Out: 627.340 +/- 0.000 χ^2/NDF : 20553975048670827176125379424548814848.0/8
 Right Out: -856.059 +/- 0.000 χ^2/NDF : 327195216546444767148716224688288694272.0/15
 Left In: -731.081 +/- 0.000 χ^2/NDF : 10528904664227868545789648911355346944.0/7
 All: -33.354 +/- 0.000 χ^2/NDF : 229986639619

dit_atl2_coil3_Ndata_mean vs Slug, Sign Corrected



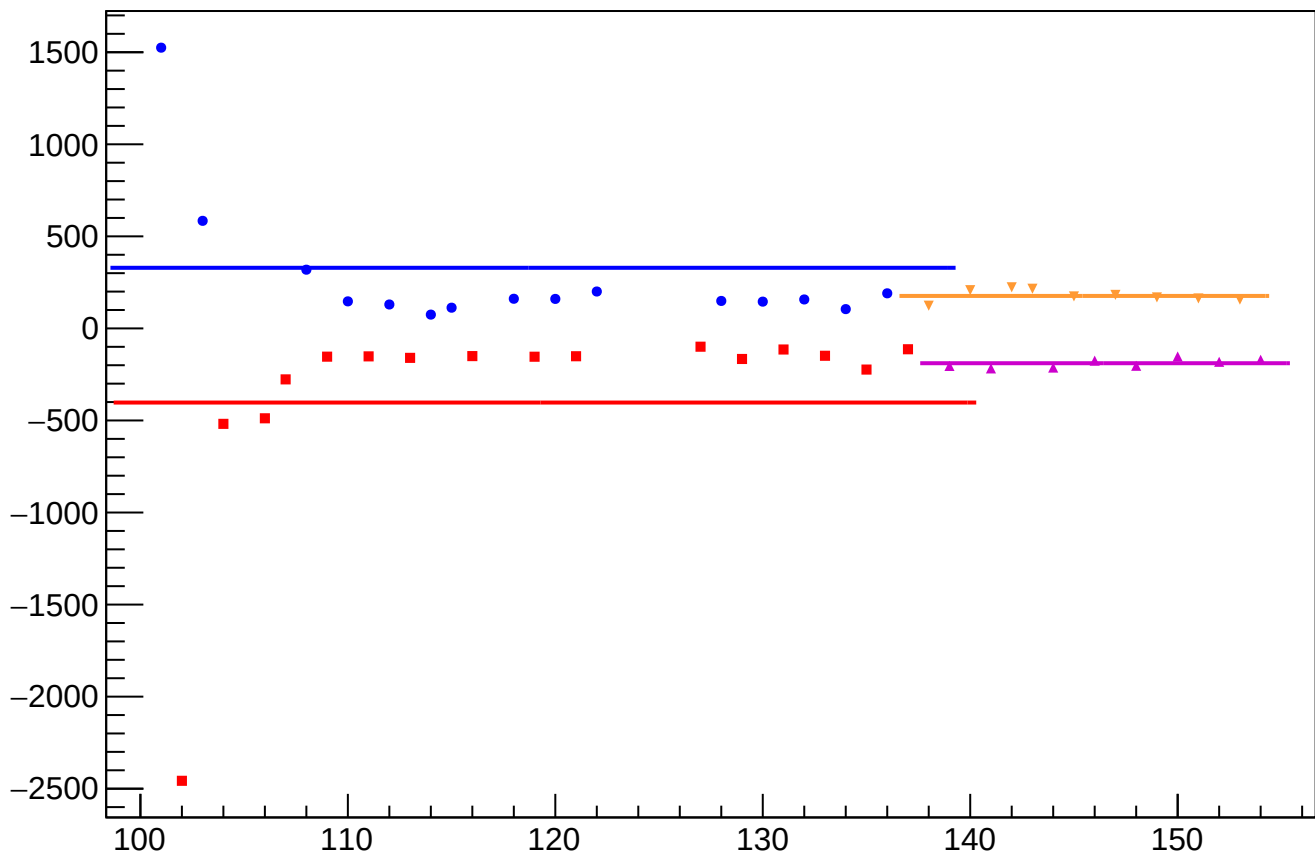
Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1142.645+/-0.000 χ^2/NDF : 29713715013962771151769332826777845760.0/8
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1269.019+/-0.000 χ^2/NDF : 29248954105903421314584303143596589056.0/7
 All: -20.628+/-0.000 χ^2/NDF : 362318824808

dit_atr1_coil3_mean vs Slug, Sign Corrected



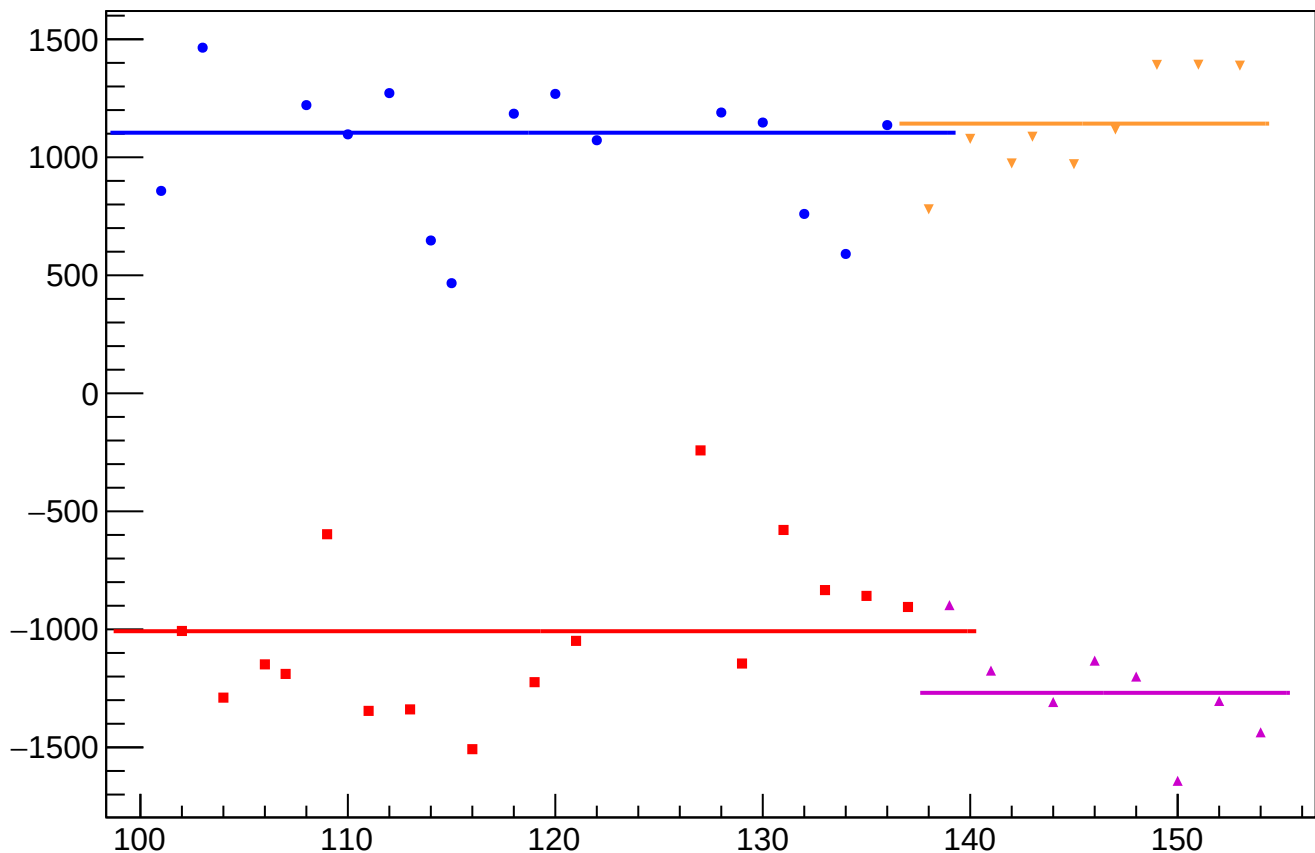
Right In: 2201.844 ± 0.000 $\chi^2/\text{NDF}: 1086544775216266395419904724422998622208.0/14$
 Left Out: 5010.168 ± 0.000 $\chi^2/\text{NDF}: 399102734987713018876855709347581263872.0/8$
 Right Out: -2026.969 ± 0.000 $\chi^2/\text{NDF}: 708626456603410705124518299956645199872.0/15$
 Left In: -5460.520 ± 0.000 $\chi^2/\text{NDF}: 112366287124810410809571769221797380096.0/7$
 All: -107.490 ± 0.000 $\chi^2/\text{NDF}: 45725619874$

dit_atr1_coil3_err_mean vs Slug, Sign Corrected



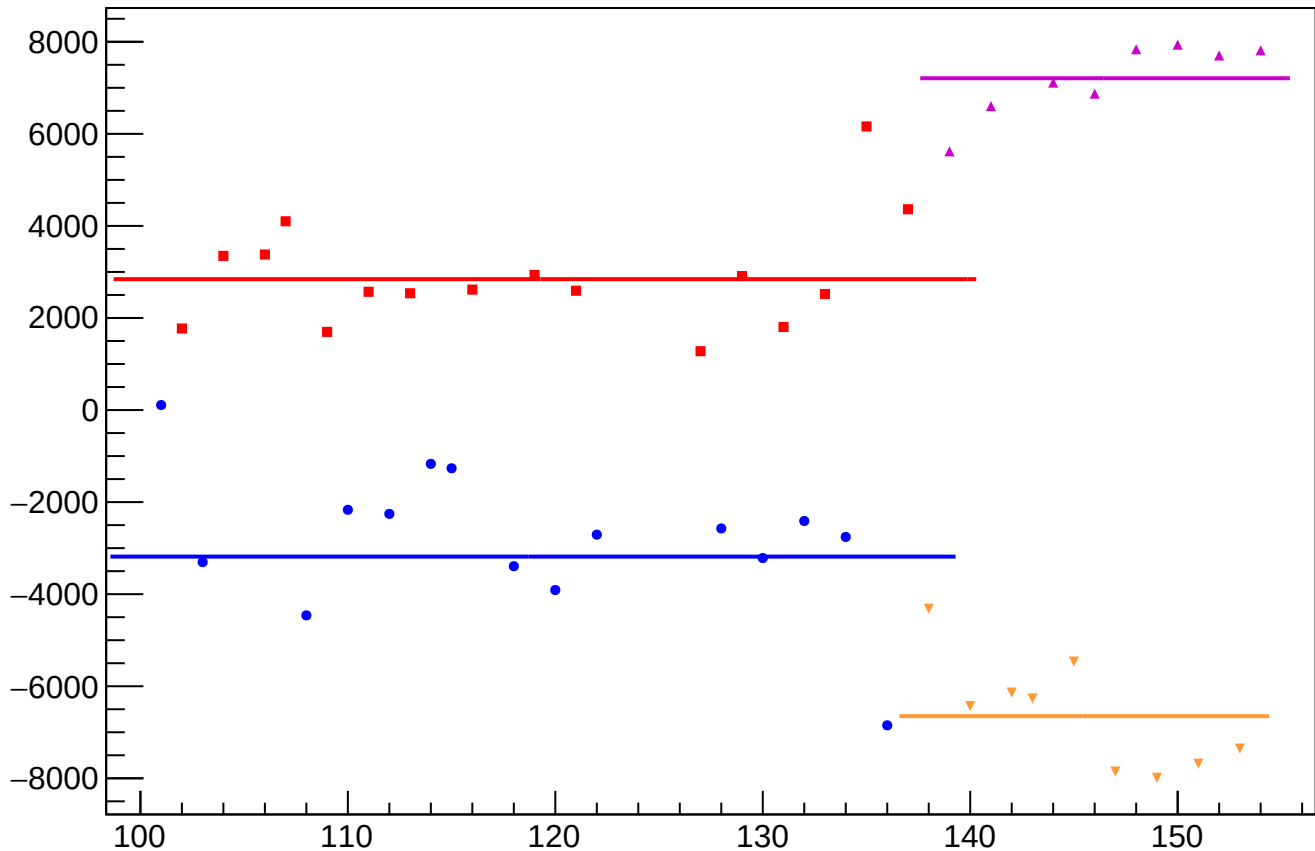
Right In: 329.229+/-0.000 χ^2/NDF : 103285029091922742033837903437132464128.0/14
 Left Out: 176.400+/-0.000 χ^2/NDF : 559764589998576141531034873795444736.0/8
 Right Out: -402.690+/-0.000 χ^2/NDF : 277636056793293374242116053515003494400.0/15
 Left In: -189.058+/-0.000 χ^2/NDF : 326634332611516759826269258756653056.0/7
 All: -24.445+/-0.000 χ^2/NDF : 604434811124

dit_atr1_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1142.645+/-0.000 χ^2/NDF : 29713715013962771151769332826777845760.0/8
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1269.019+/-0.000 χ^2/NDF : 29248954105903421314584303143596589056.0/7
 All: -20.628+/-0.000 χ^2/NDF : 362318824808

dit_atr2_coil3_mean vs Slug, Sign Corrected



Right In: -3183.928+/-0.000

Left Out: -6650.713+/-0.000

Right Out: 2843.597+/-0.000

Left In: 7208.228+/-0.000

χ^2/NDF : 2134923281384422537296044119642733543424.0/14

χ^2/NDF : 952282056990210008936889657445912150016.0/8

χ^2/NDF : 947077611563723244705531091944015396864.0/15

χ^2/NDF : 381236106651605891799400646767529689088.0/7

Left: 334.517+/-0.000 χ^2/NDF : 6696927781725389

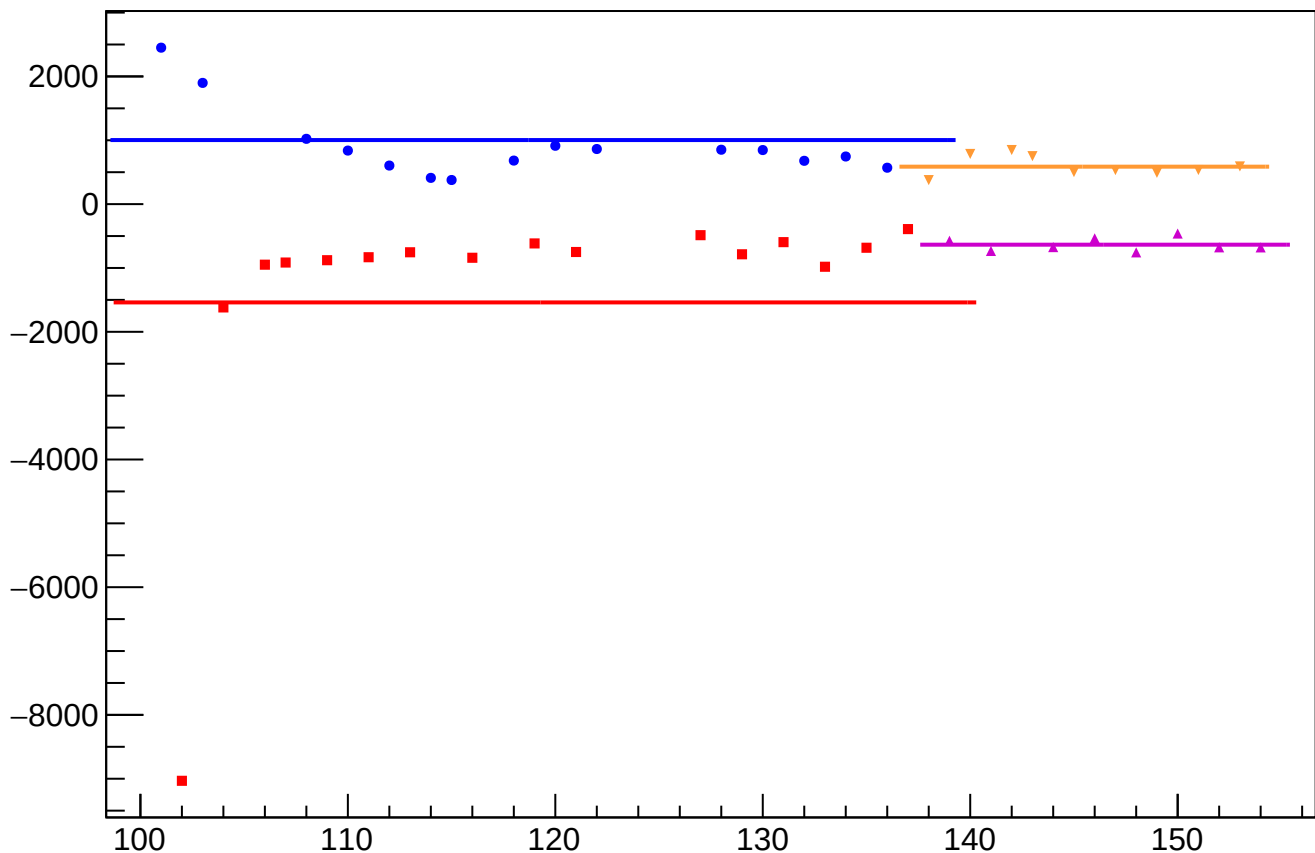
Right: -128.944+/-0.000 χ^2/NDF : 15032681342441

In: 2167.489+/-0.000 χ^2/NDF : 3860883763978439

Out: -1942.383+/-0.000 χ^2/NDF : 32207554696859

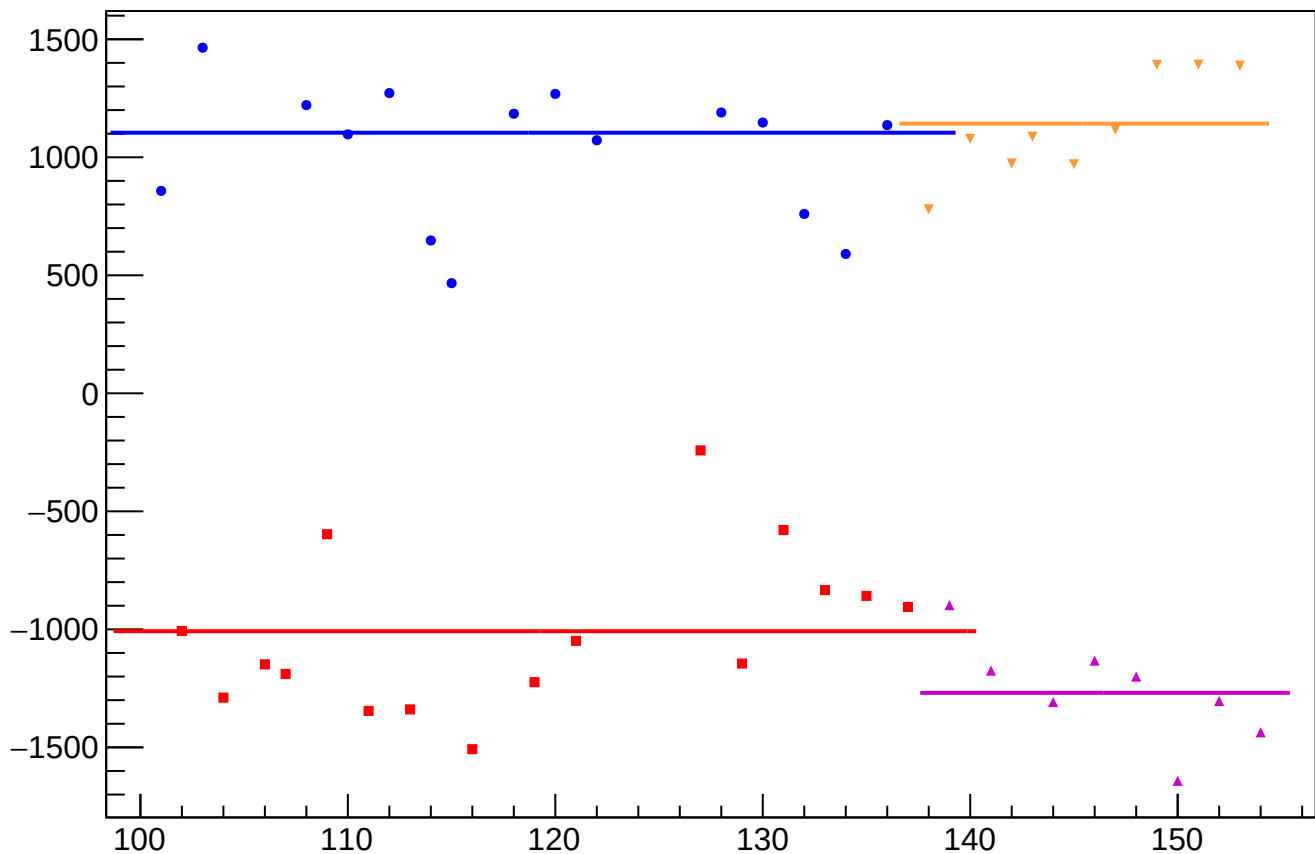
All: 107.192+/-0.000 χ^2/NDF : 821459818193

dit_atr2_coil3_err_mean vs Slug, Sign Corrected



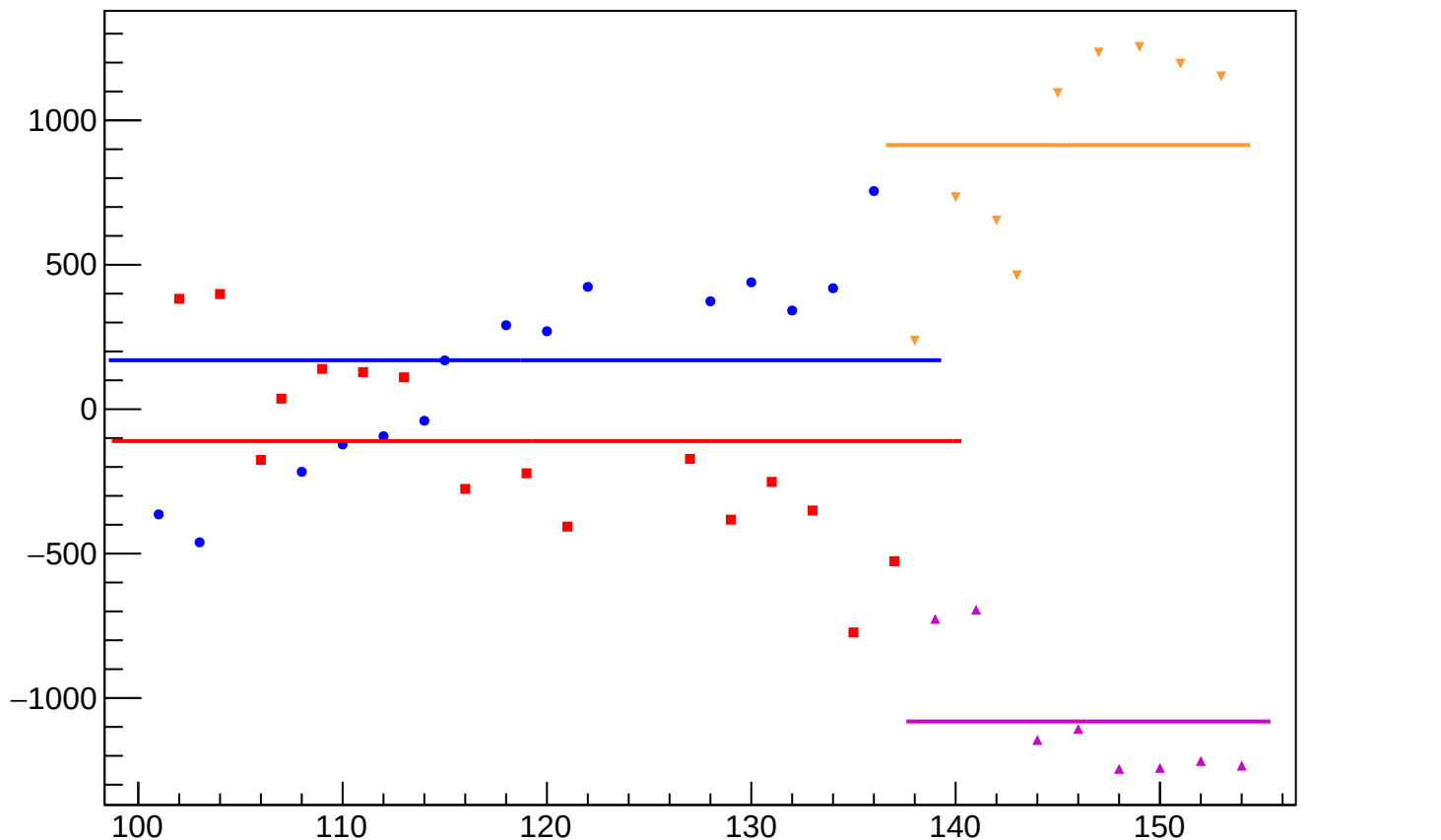
Right In: 1003.407+/-0.000 χ^2/NDF : 219815257294811198811064619822196195328.0/14
 Left Out: 586.673+/-0.000 χ^2/NDF : 13458048221867489853356628178982928384.0/8
 Right Out: -1539.568+/-0.000 χ^2/NDF : 3614774785297482293145354574125437288448.0/15
 Left In: -635.415+/-0.000 χ^2/NDF : 6380443067081534863407194145197916160.0/7
 All: -154.945+/-0.000 χ^2/NDF : 65359568706

dit_atr2_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 ± 0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1142.645 ± 0.000 χ^2/NDF : 29713715013962771151769332826777845760.0/8
 Right Out: -1007.906 ± 0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1269.019 ± 0.000 χ^2/NDF : 29248954105903421314584303143596589056.0/7
 All: -20.628 ± 0.000 χ^2/NDF : 362318824808

dit_sam1_coil3_mean vs Slug, Sign Corrected



Right In: 169.489 +/- 0.000

χ^2/NDF : 95435894585210891032426613567490359296.0/14

Left Out: 914.620 +/- 0.000

χ^2/NDF : 86509077489667934087916486746093649920.0/8

Right Out: -110.289 +/- 0.000

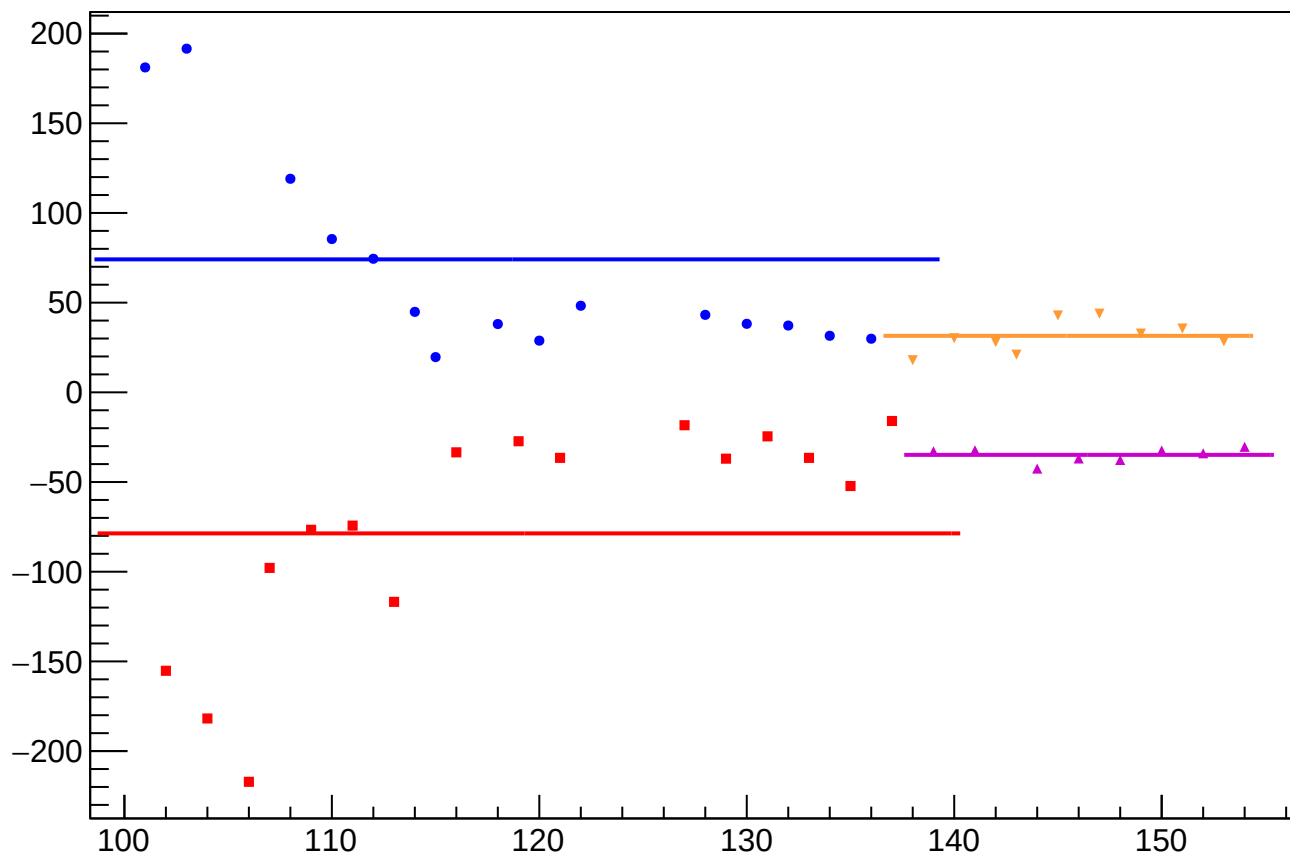
χ^2/NDF : 71770784102052938523592716508479881216.0/15

Left In: -1081.150 +/- 0.000

χ^2/NDF : 31691568166123860905433996852769849344.0/7

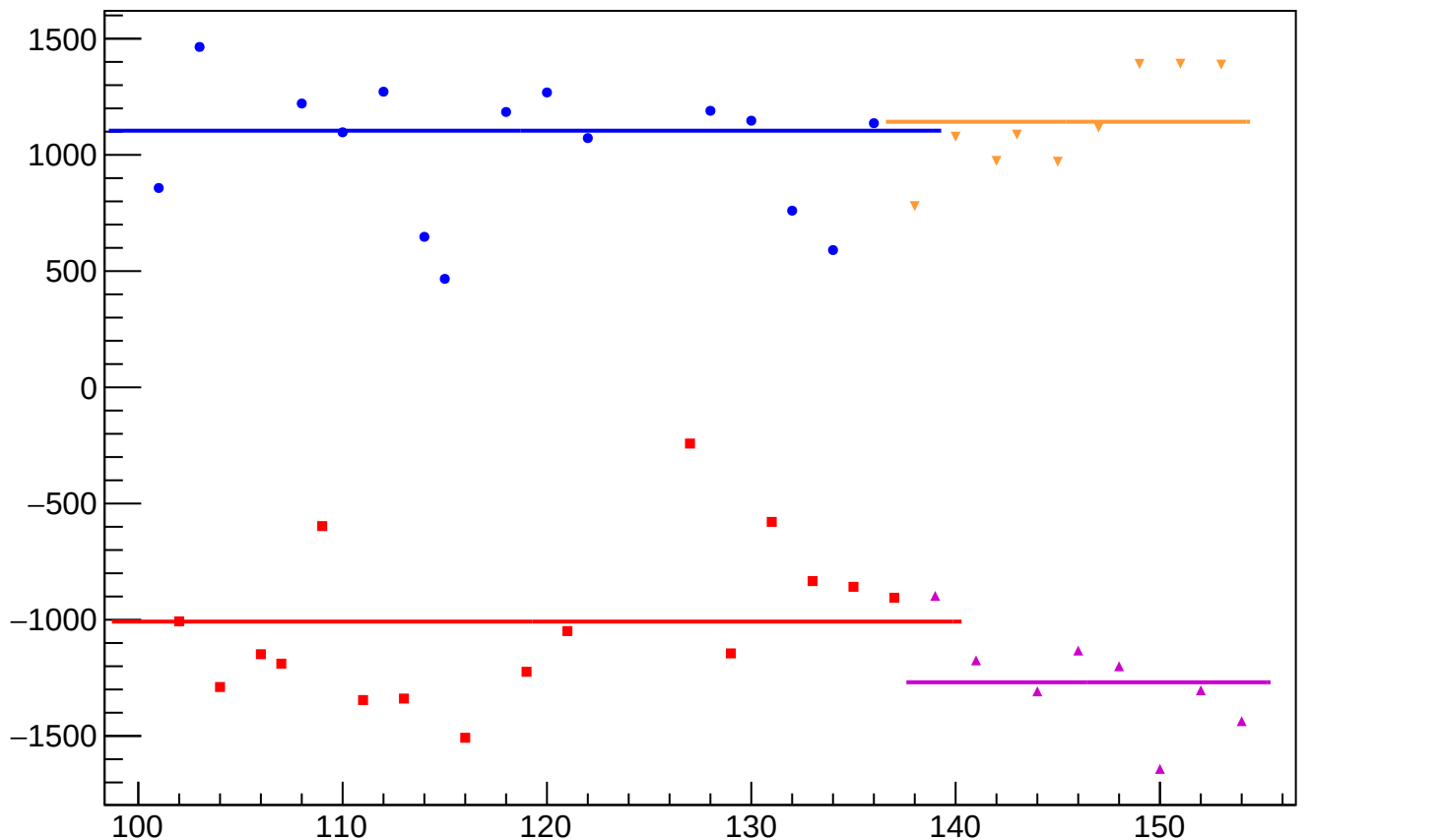
All: -32.935 +/- 0.000 χ^2/NDF : 168178332845

dit_sam1_coil3_err_mean vs Slug, Sign Corrected



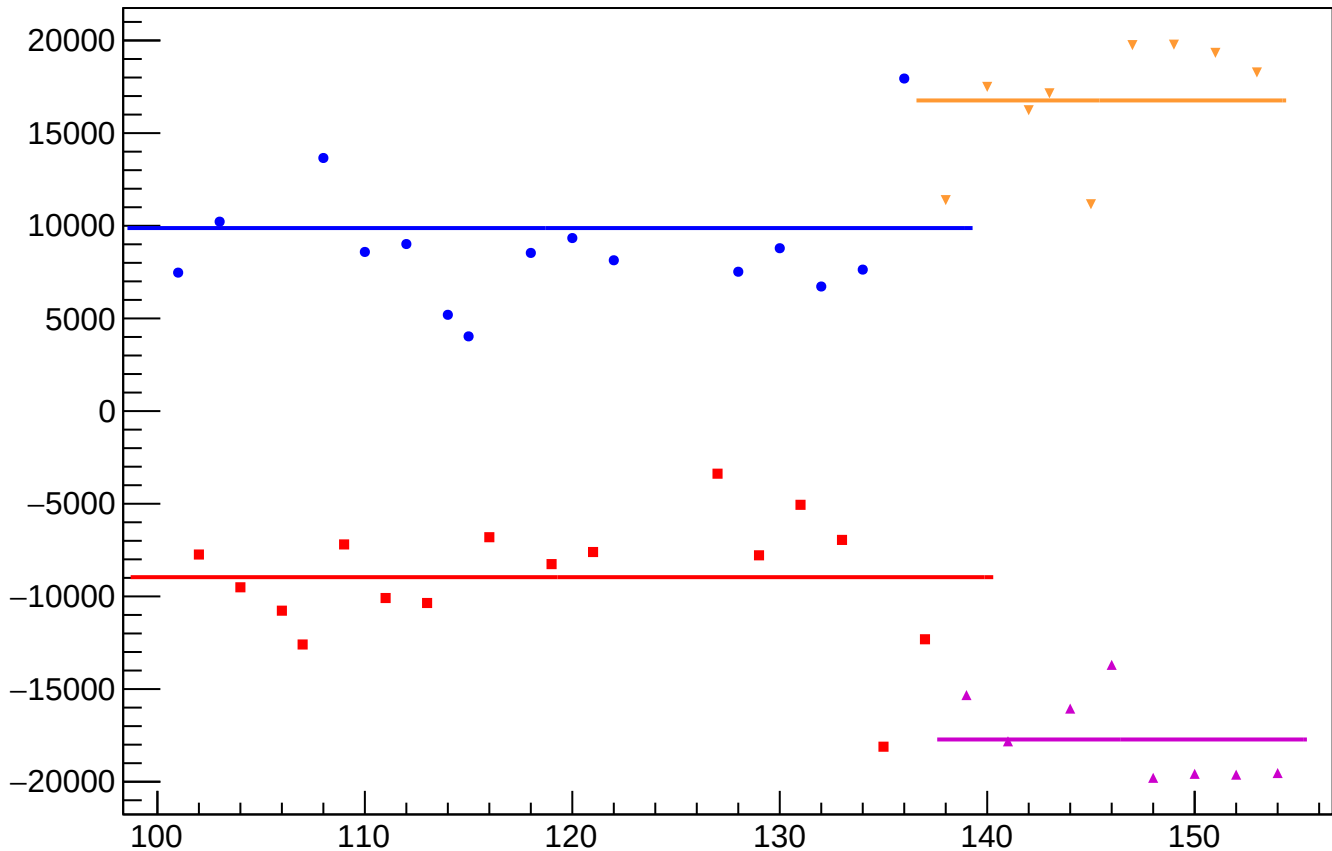
Left: -1.945 ± 0.000 $\chi^2/\text{NDF}: 15616075414606235$
 Right In: 74.129 ± 0.000 $\chi^2/\text{NDF}: 2168375717401207322620658258081218560.0/14$
 Right: -3.297 ± 0.000 $\chi^2/\text{NDF}: 1218774471717801$
 Left Out: 31.504 ± 0.000 $\chi^2/\text{NDF}: 47111224569917170005249132054183936.0/8$
 In: 18.005 ± 0.000 $\chi^2/\text{NDF}: 614766938479626057$
 Right Out: -78.633 ± 0.000 $\chi^2/\text{NDF}: 2343230336879830638767678903539466240.0/15$
 Out: -23.114 ± 0.000 $\chi^2/\text{NDF}: 6468792807545274$
 Left In: -34.860 ± 0.000 $\chi^2/\text{NDF}: 9501011910420551703094358119022592.0/7$
 All: -2.608 ± 0.000 $\chi^2/\text{NDF}: 1375057745950$

dit_sam1_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 +/- 0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1142.645 +/- 0.000 χ^2/NDF : 29713715013962771151769332826777845760.0/8
 Right Out: -1007.906 +/- 0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1269.019 +/- 0.000 χ^2/NDF : 29248954105903421314584303143596589056.0/7
 All: -20.628 +/- 0.000 χ^2/NDF : 362318824808

dit_sam2_coil3_mean vs Slug, Sign Corrected



Right In: 9876.530+/-0.000

χ^2/NDF : 8483360287053054122301651905797133697024.0/14

Left Out: 16763.008+/-0.000

χ^2/NDF : 7023713666736556637188379570436090888192.0/8

Right Out: -8961.593+/-0.000

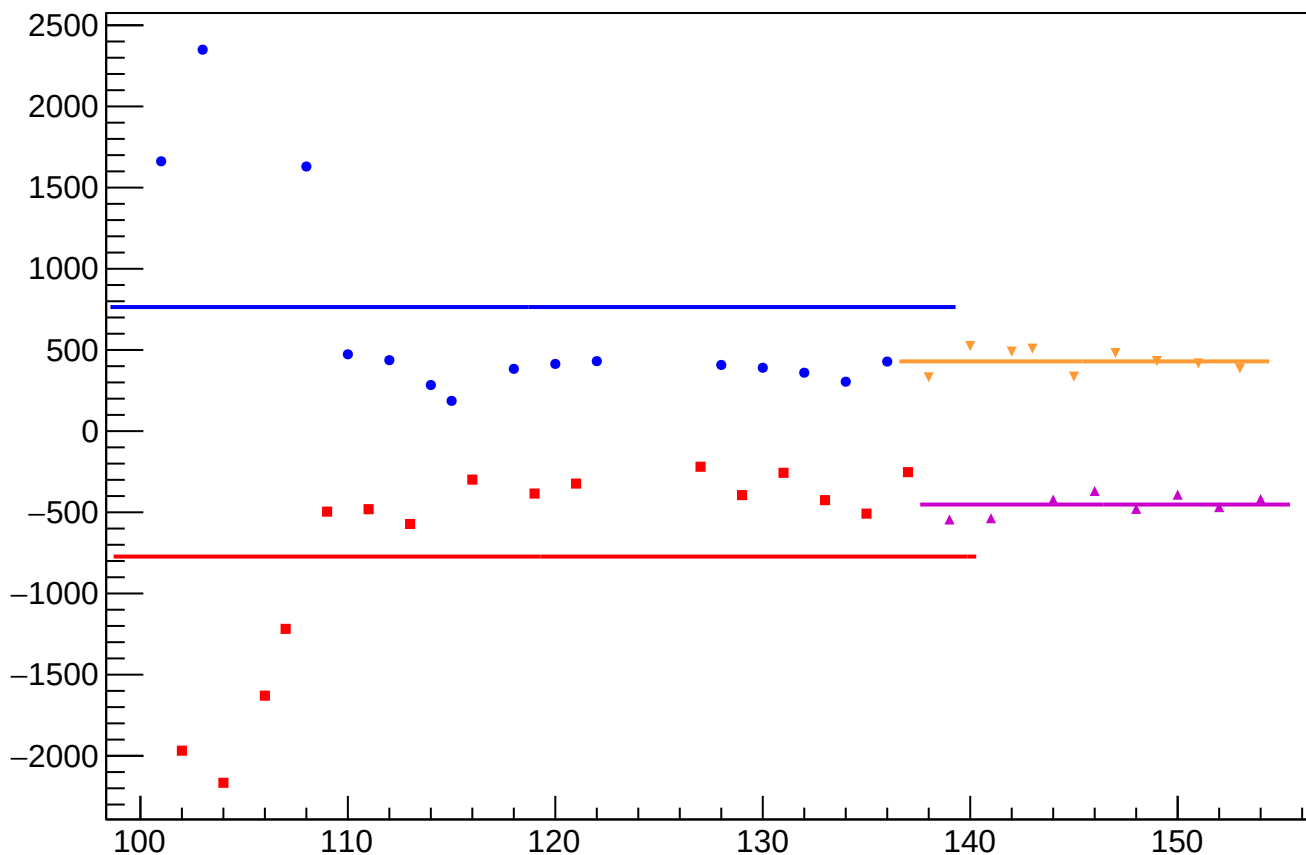
χ^2/NDF : 7583728644146461427304320888408335450112.0/15

Left In: -17720.521+/-0.000

χ^2/NDF : 3336653864318630296384614866346022273024.0/7

All: -153.423+/-0.000 χ^2/NDF : 55011298353

dit_sam2_coil3_err_mean vs Slug, Sign Corrected



Right In: 764.284+/-0.000 χ^2/NDF : 290964758058269480005067205020030599168.0/14

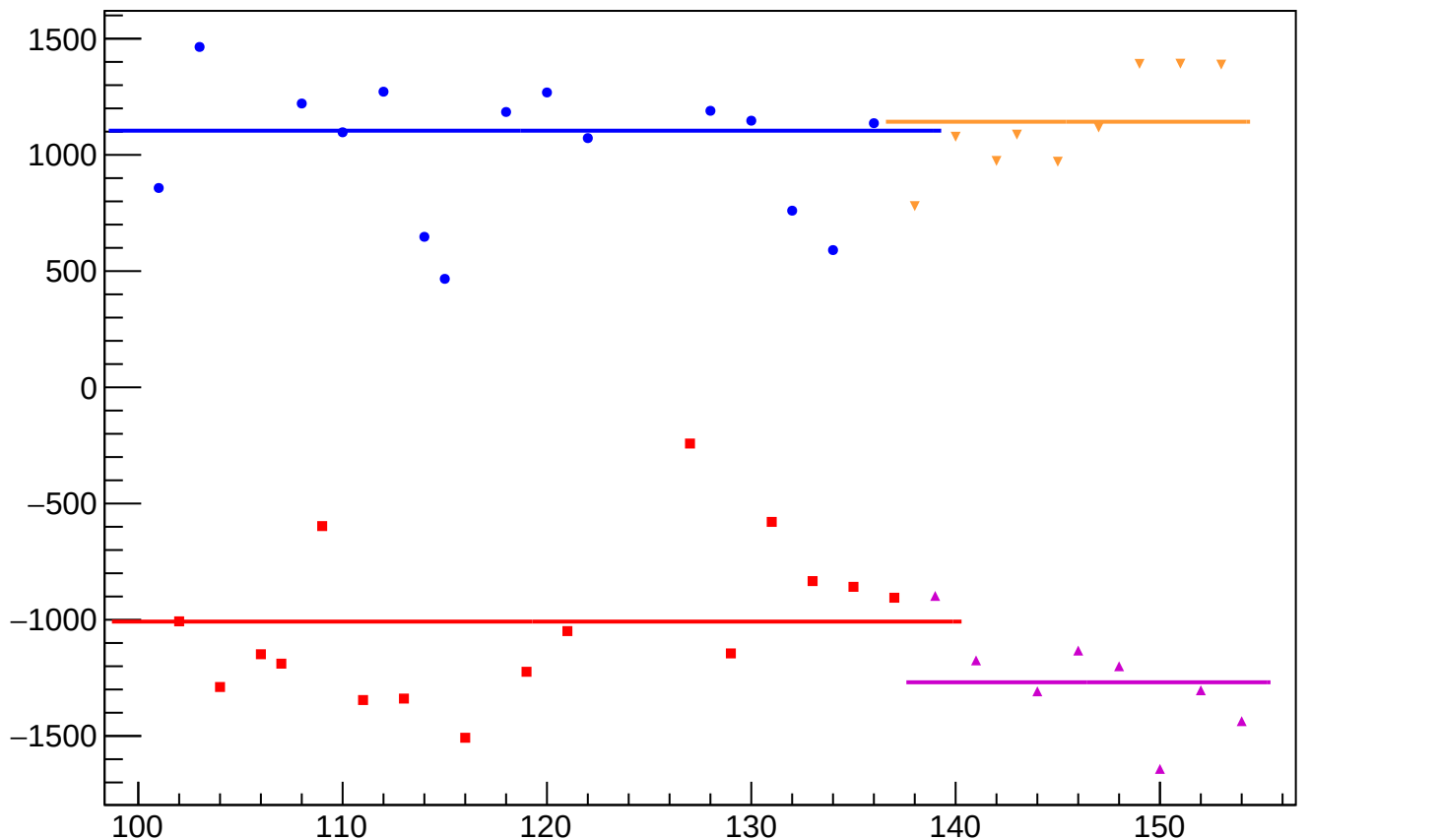
Left Out: 429.645+/-0.000 χ^2/NDF : 3158343638515762648169058961455054848.0/8

Right Out: -772.547+/-0.000 χ^2/NDF : 285902138904642401278625587631891677184.0/15

Left In: -452.118+/-0.000 χ^2/NDF : 2469248645687353920788762149127192576.0/7

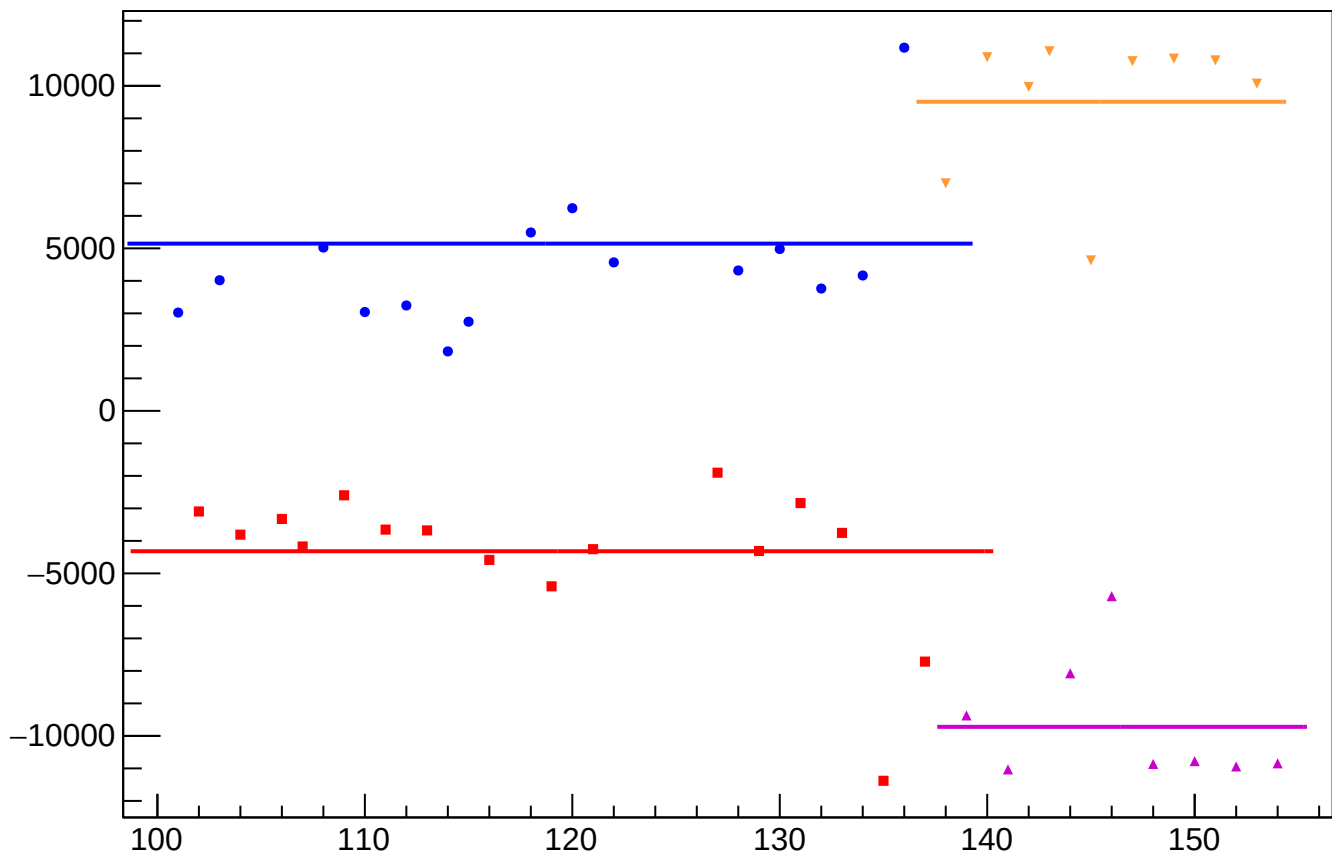
All: -14.714+/-0.000 χ^2/NDF : 162509374294

dit_sam2_coil3_Ndata_mean vs Slug, Sign Corrected



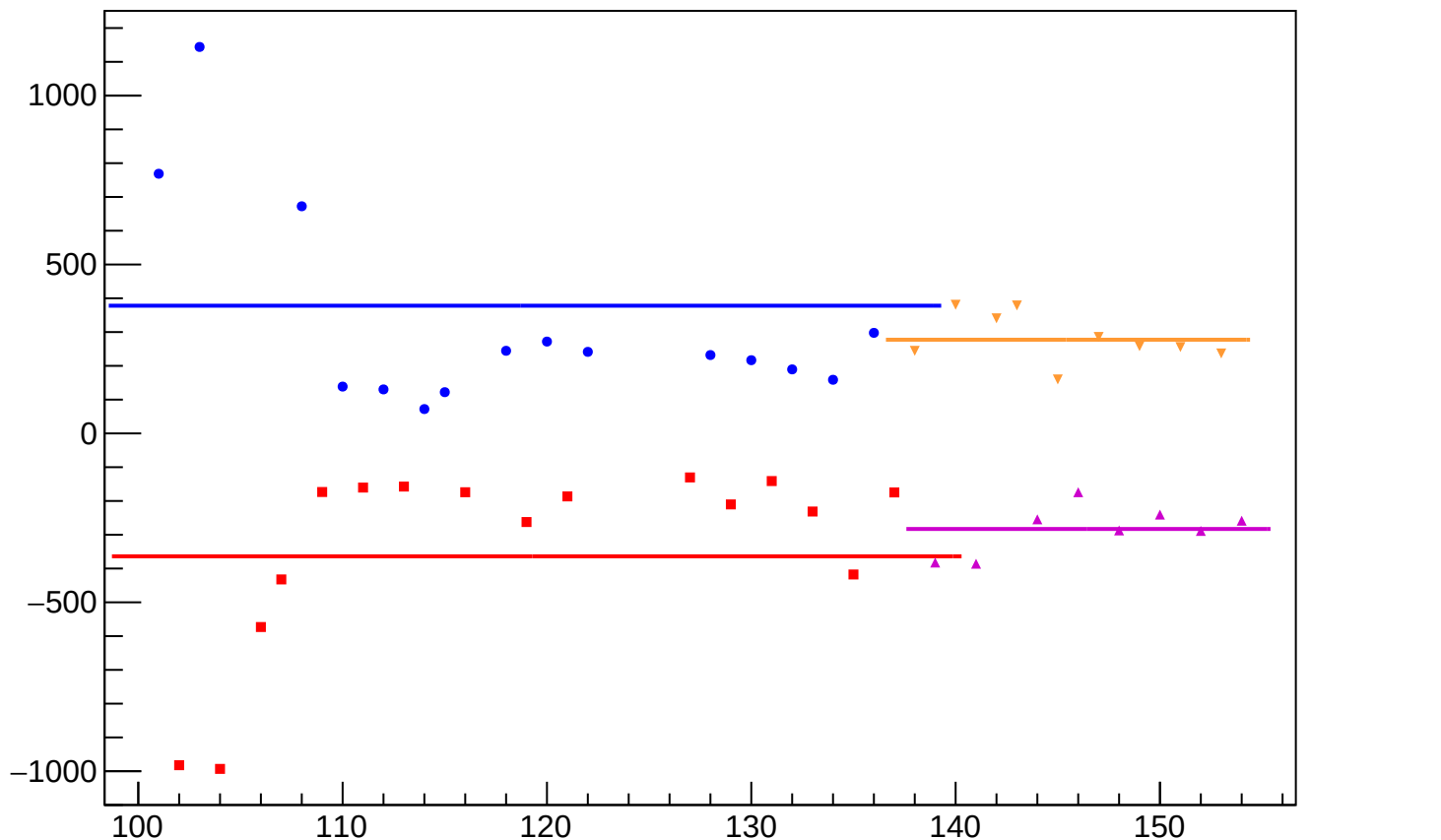
Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1142.645+/-0.000 χ^2/NDF : 29713715013962771151769332826777845760.0/8
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1269.019+/-0.000 χ^2/NDF : 29248954105903421314584303143596589056.0/7
 All: -20.628+/-0.000 χ^2/NDF : 362318824808

dit_sam3_coil3_mean vs Slug, Sign Corrected



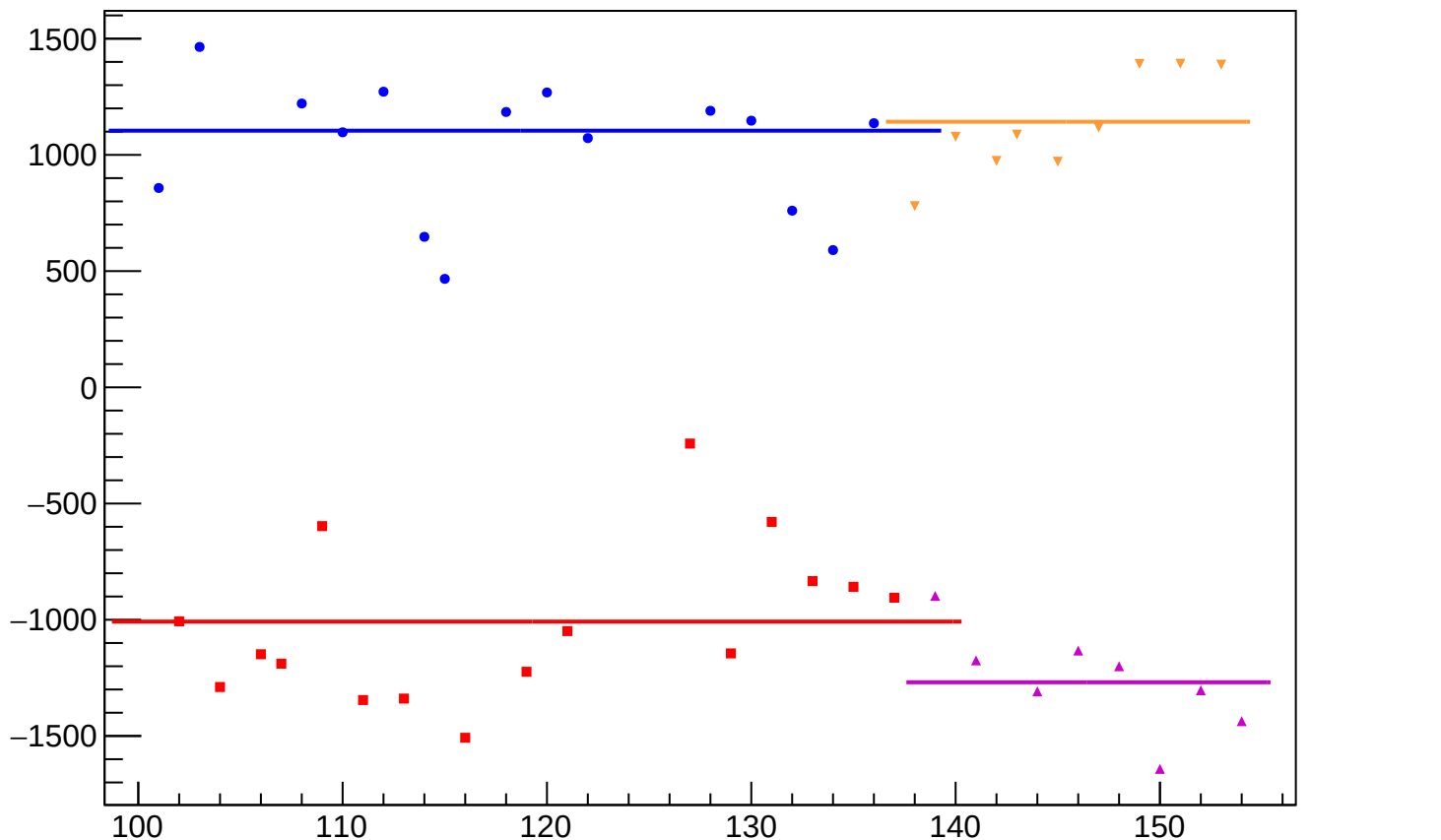
Right In: 5145.657+/-0.000 χ^2/NDF : 4272867262459372237810540195851662262272.0/14
 Left Out: 9510.543+/-0.000 χ^2/NDF : 3166623251432300502307535538479083552768.0/8
 Right Out: -4318.126+/-0.000 χ^2/NDF : 3345176554564755427312533888908526616576.0/15
 Left In: -9721.297+/-0.000 χ^2/NDF : 2190347482189239494366244430265295306752.0/7
 All: 78.090+/-0.000 χ^2/NDF : 1690181369308

dit_sam3_coil3_err_mean vs Slug, Sign Corrected



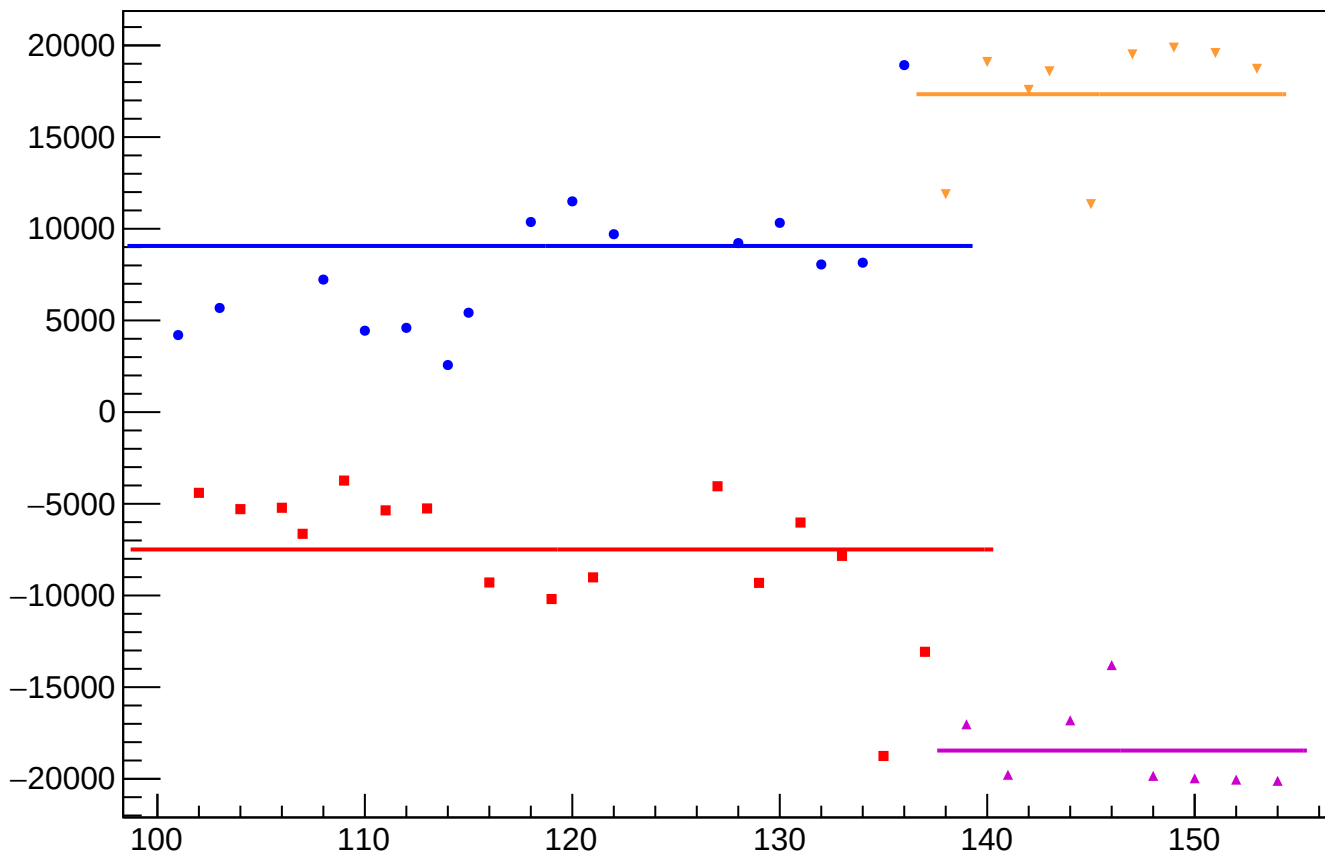
Right In: 378.052+/-0.000 χ^2/NDF : 61516590022593053040860760861331947520.0/14
 Left Out: 277.358+/-0.000 χ^2/NDF : 3168923104824711476024361287432536064.0/8
 Right Out: -363.772+/-0.000 χ^2/NDF : 59031337484709801804181439342706688000.0/15
 Left In: -282.911+/-0.000 χ^2/NDF : 2977509235340854919394013768738406400.0/7
 All: -1.550+/-0.000 χ^2/NDF : 4150129947899

dit_sam3_coil3_Ndata_mean vs Slug, Sign Corrected



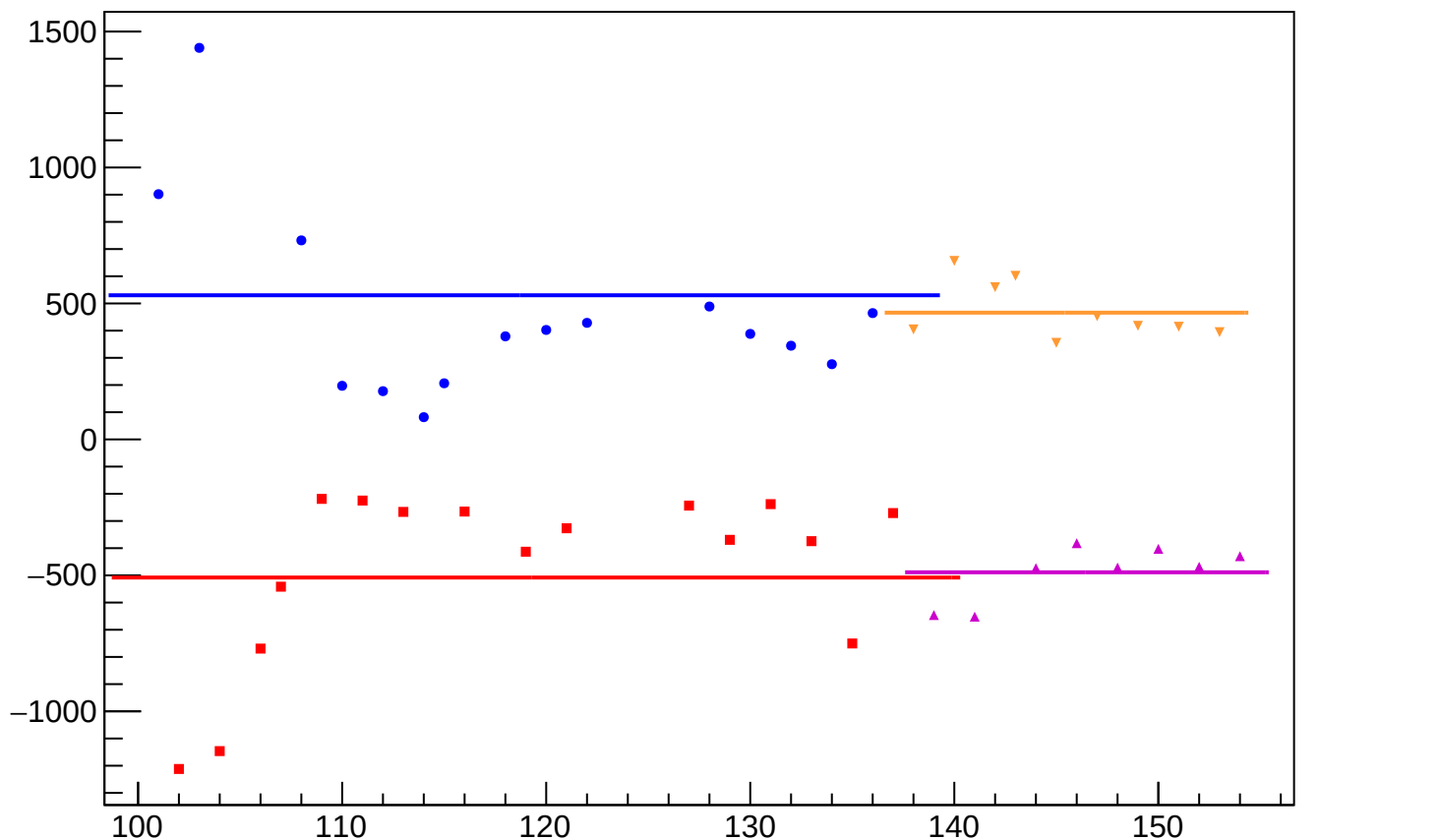
Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1142.645+/-0.000 χ^2/NDF : 29713715013962771151769332826777845760.0/8
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1269.019+/-0.000 χ^2/NDF : 29248954105903421314584303143596589056.0/7
 All: -20.628+/-0.000 χ^2/NDF : 362318824808

dit_sam4_coil3_mean vs Slug, Sign Corrected



Right In: 9062.710+/-0.000 χ^2/NDF : 13621066943114354594159252409175431446528.0/14
 Left Out: 17338.473+/-0.000 χ^2/NDF : 7054416793024269146409791453725909319680.0/8
 Right Out: -7490.147+/-0.000 χ^2/NDF : 10108202124204139932285006457388239159296.0/15
 Left In: -18457.423+/-0.000 χ^2/NDF : 3189571344968433296954058125794867150848.0/7
 All: -28.293+/-0.000 χ^2/NDF : 563243714014

dit_sam4_coil3_err_mean vs Slug, Sign Corrected



Right In: 530.057+/-0.000

χ^2/NDF : 78754676063063255524046471751880671232.0/14

Left Out: 466.141+/-0.000

χ^2/NDF : 6750546130894033369893573630191730688.0/8

Right Out: -507.987+/-0.000

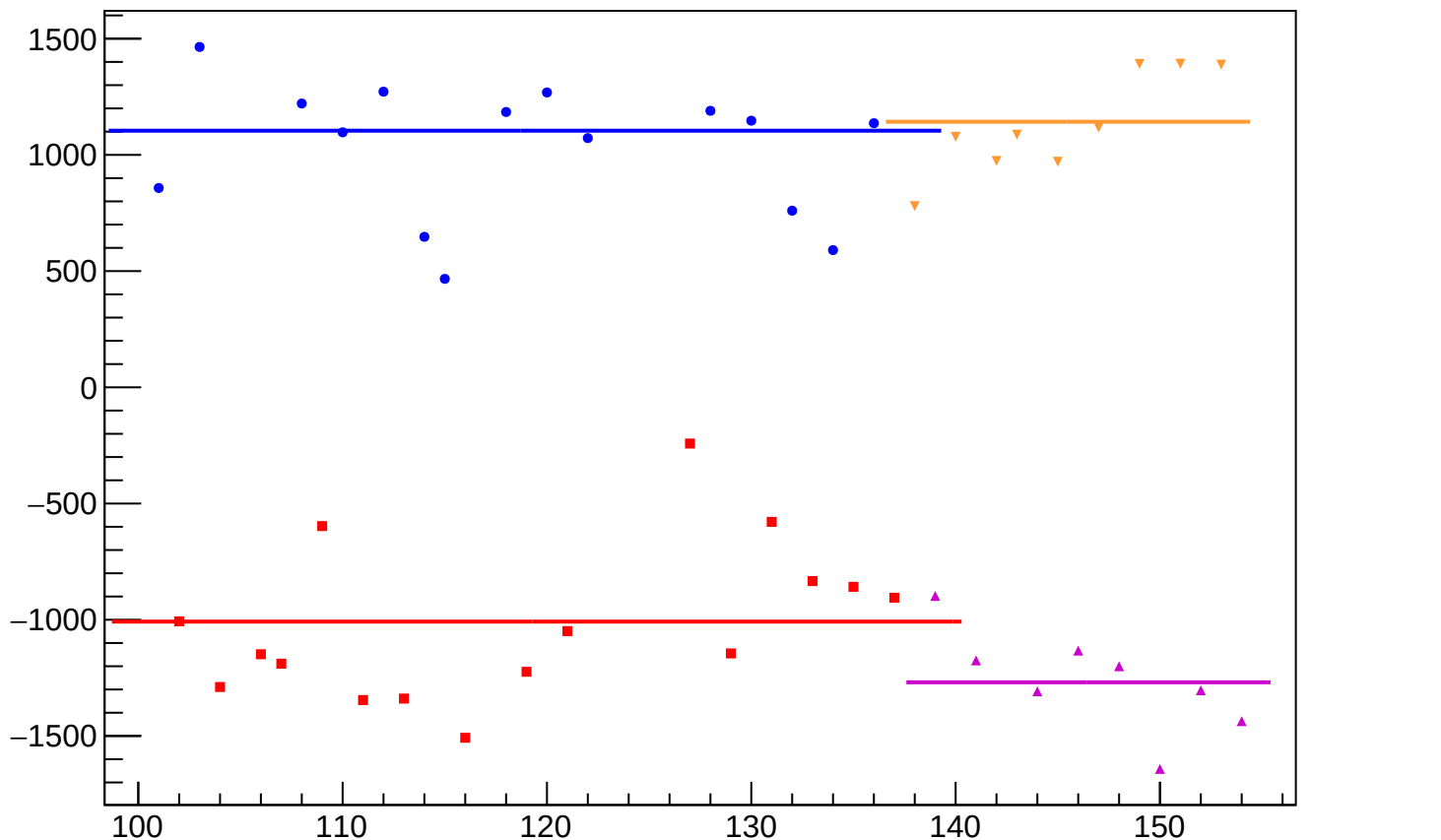
χ^2/NDF : 76689734698308464337881841969555046400.0/15

Left In: -488.681+/-0.000

χ^2/NDF : 6283269989778835971467148560967925760.0/7

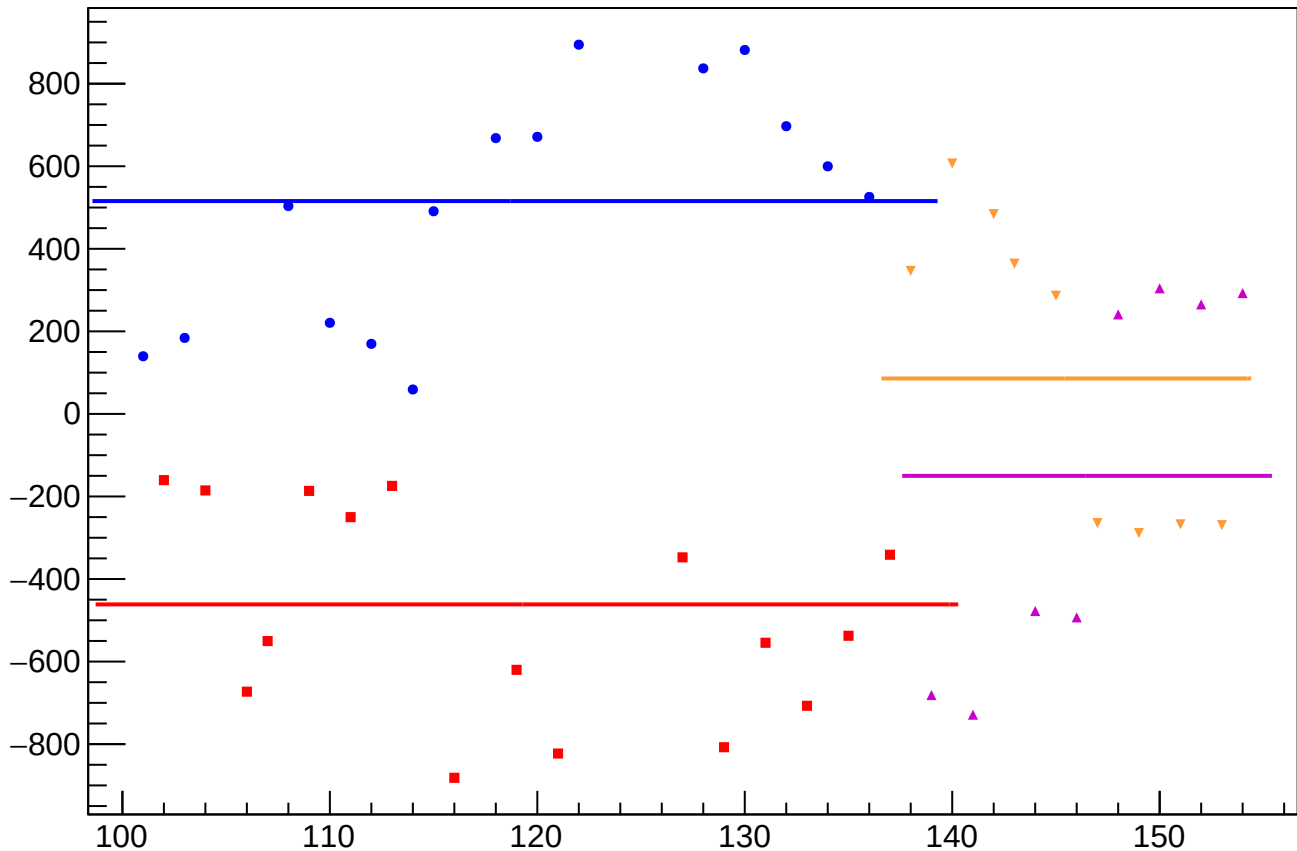
All: -5.769+/-0.000 χ^2/NDF : 8347123356043

dit_sam4_coil3_Ndata_mean vs Slug, Sign Corrected



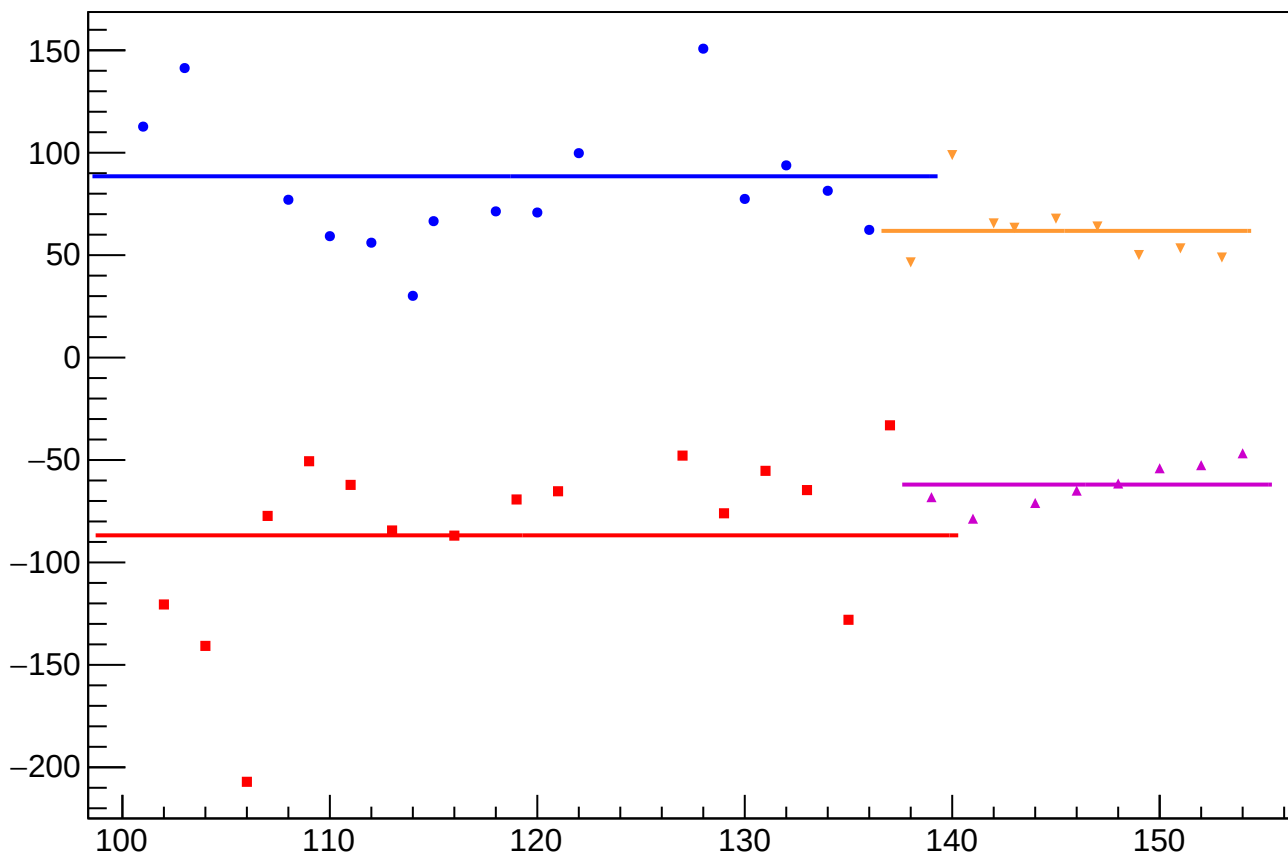
Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1142.645+/-0.000 χ^2/NDF : 29713715013962771151769332826777845760.0/8
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1269.019+/-0.000 χ^2/NDF : 29248954105903421314584303143596589056.0/7
 All: -20.628+/-0.000 χ^2/NDF : 362318824808

dit_sam5_coil3_mean vs Slug, Sign Corrected



Left: -33.065 +/- 0.000 χ^2/NDF : 2386848646711299
 Right In: 515.635 +/- 0.000 χ^2/NDF : 48465403420573957292673062371162324992.0/14
 Right: 20.387 +/- 0.000 χ^2/NDF : 4030056130167457
 Left Out: 85.859 +/- 0.000 χ^2/NDF : 84967609449411639128589666612695531520.0/8
 In: 172.822 +/- 0.000 χ^2/NDF : 33127258000060118
 Right Out: -461.497 +/- 0.000 χ^2/NDF : 40473746660091355928063306884368564224.0/15
 Out: -185.581 +/- 0.000 χ^2/NDF : 226174569456346
 Left In: -150.090 +/- 0.000 χ^2/NDF : 134692735805604321569081584250932690944.0/7
 All: -6.847 +/- 0.000 χ^2/NDF : 6436061493082

dit_sam5_coil3_err_mean vs Slug, Sign Corrected



Right In: 88.493+/-0.000

χ^2/NDF : 643231155193035512625817963208900608.0/14

Left Out: 61.849+/-0.000

χ^2/NDF : 166297277818231353124313286769115136.0/8

Right Out: -86.773+/-0.000

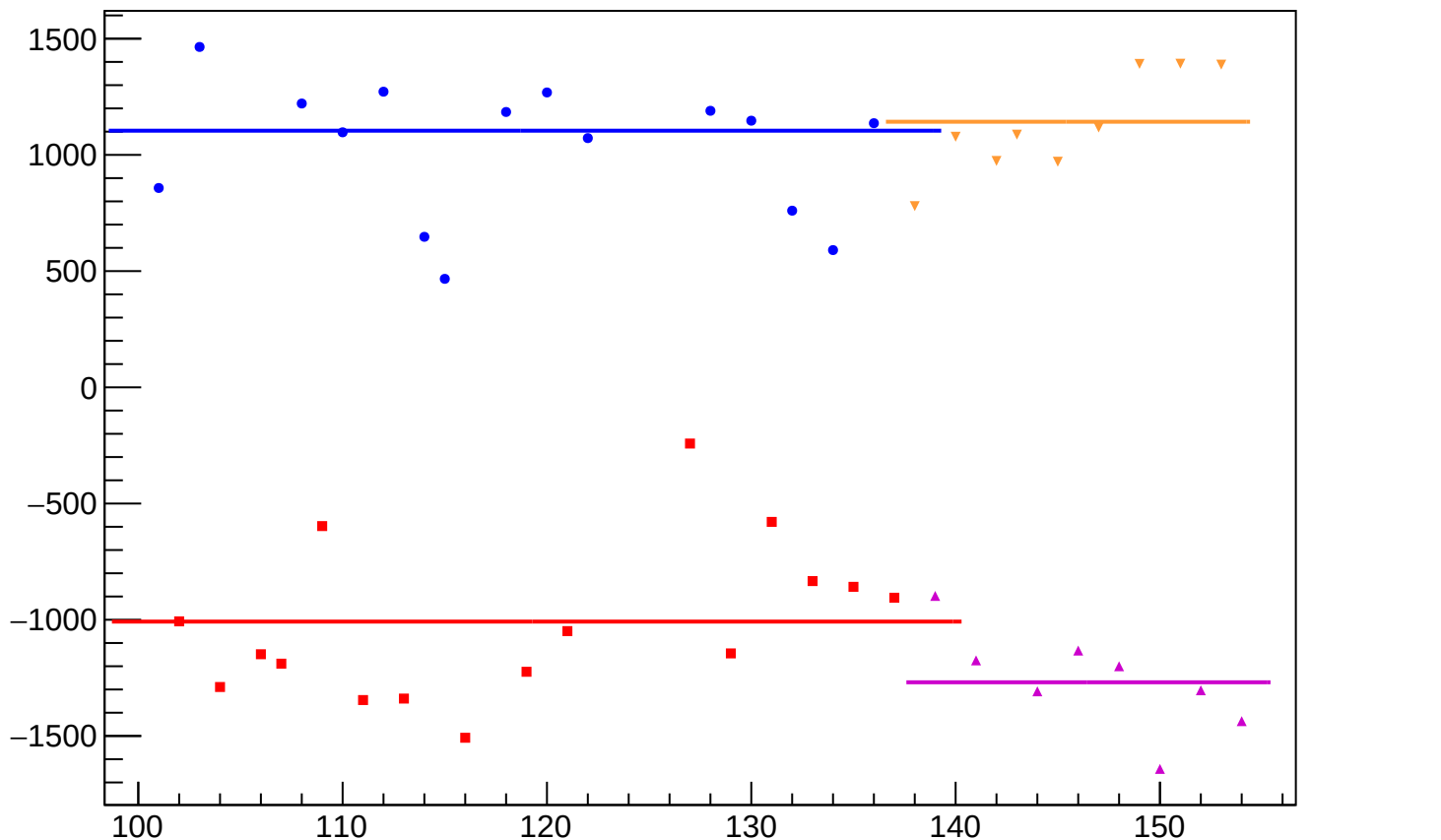
χ^2/NDF : 1059206766314086021240525003228708864.0/15

Left In: -61.993+/-0.000

χ^2/NDF : 68832775140870721723724136770961408.0/7

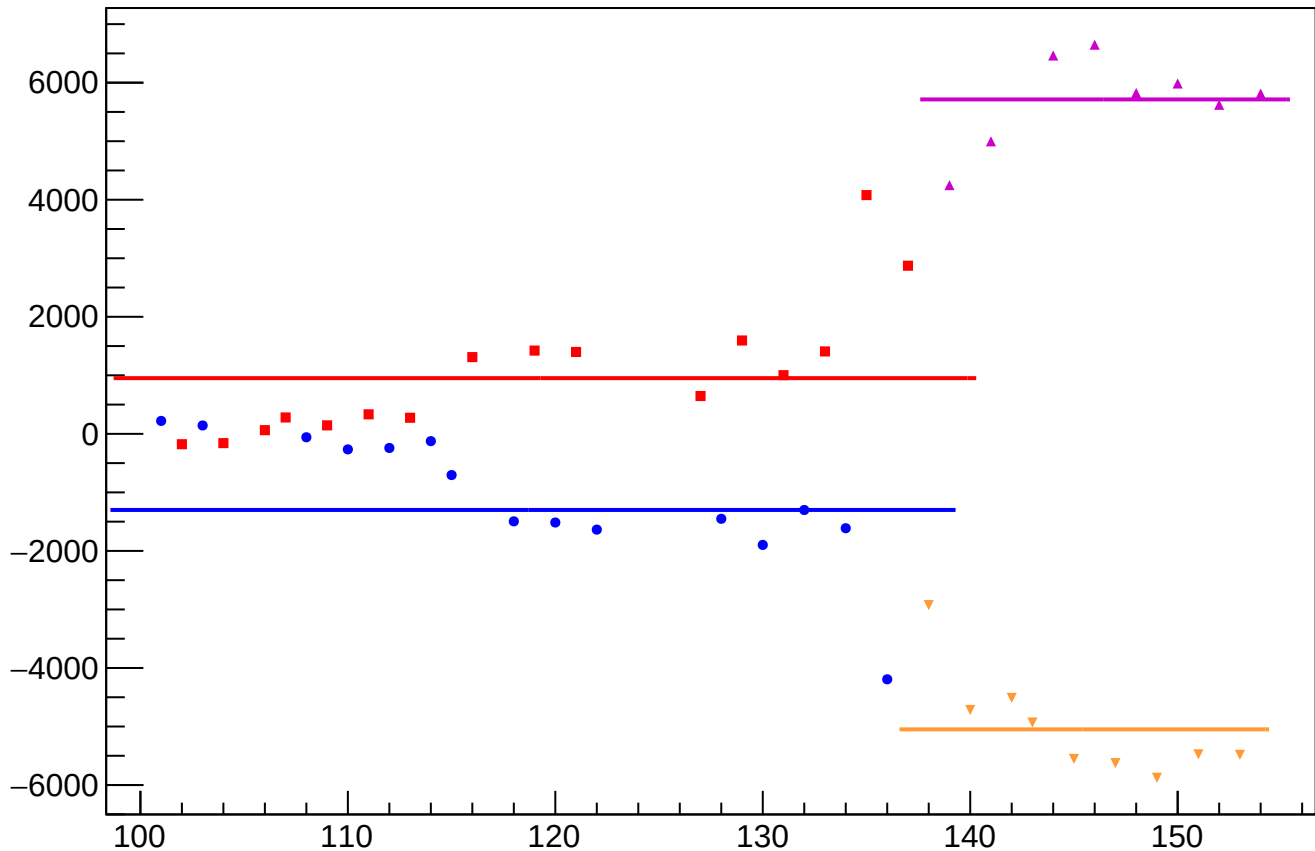
All: -0.457+/-0.000 χ^2/NDF : 1728310090844

dit_sam5_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1142.645+/-0.000 χ^2/NDF : 29713715013962771151769332826777845760.0/8
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1269.019+/-0.000 χ^2/NDF : 29248954105903421314584303143596589056.0/7
 All: -20.628+/-0.000 χ^2/NDF : 362318824808

dit_sam6_coil3_mean vs Slug, Sign Corrected



Right In: -1299.904+/-0.000

Left Out: -5048.882+/-0.000

Right Out: 951.903+/-0.000

Left In: 5713.785+/-0.000

χ^2/NDF : 1199649252163216367086408691577524322304.0/14

χ^2/NDF : 508913263888572929898993904050059083776.0/8

χ^2/NDF : 841314696863657044174468284217089327104.0/15

χ^2/NDF : 349388351476291096092460424588192382976.0/7

Left: 375.754+/-0.000 χ^2/NDF : 4044234955141580

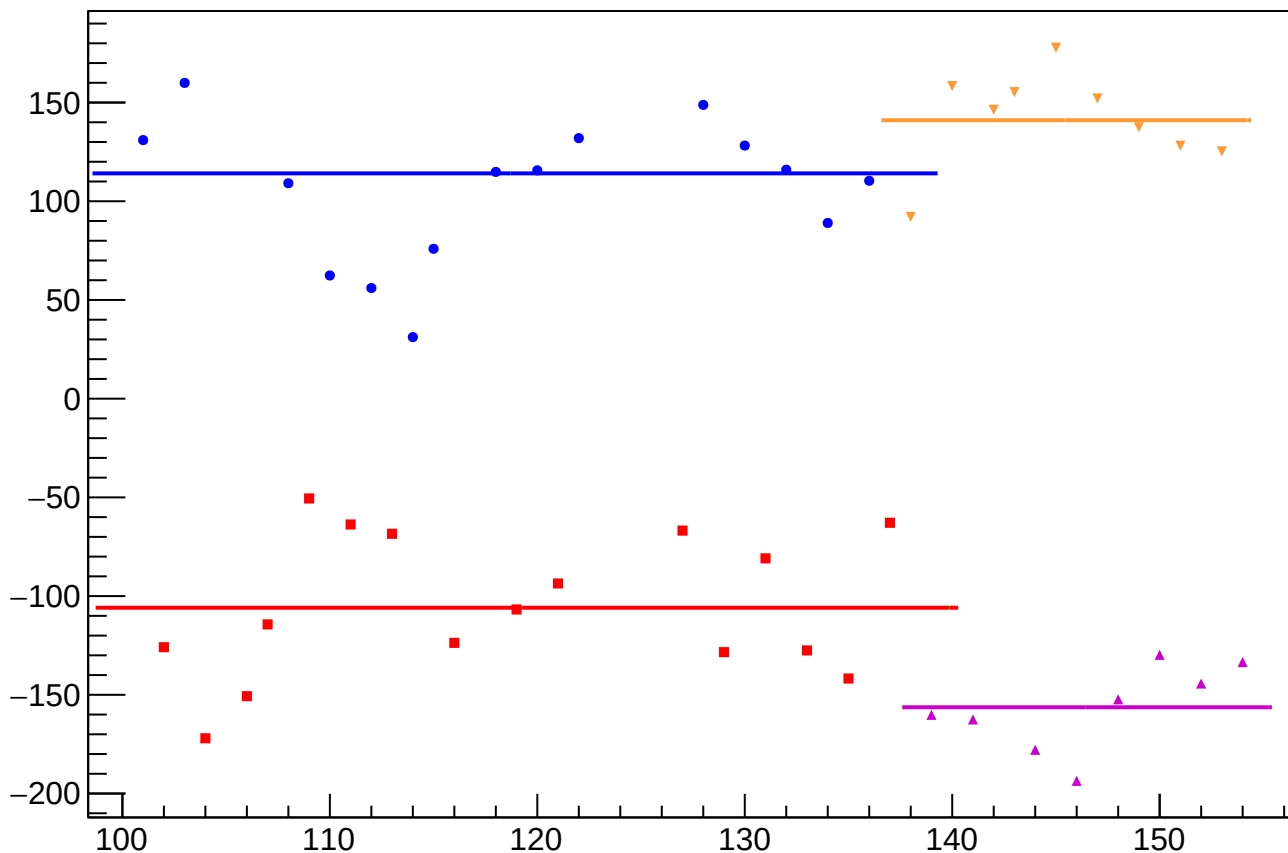
Right: -158.600+/-0.000 χ^2/NDF : 37088904648604

In: 2311.779+/-0.000 χ^2/NDF : 1798899932532659

Out: -2073.028+/-0.000 χ^2/NDF : 13457585364273

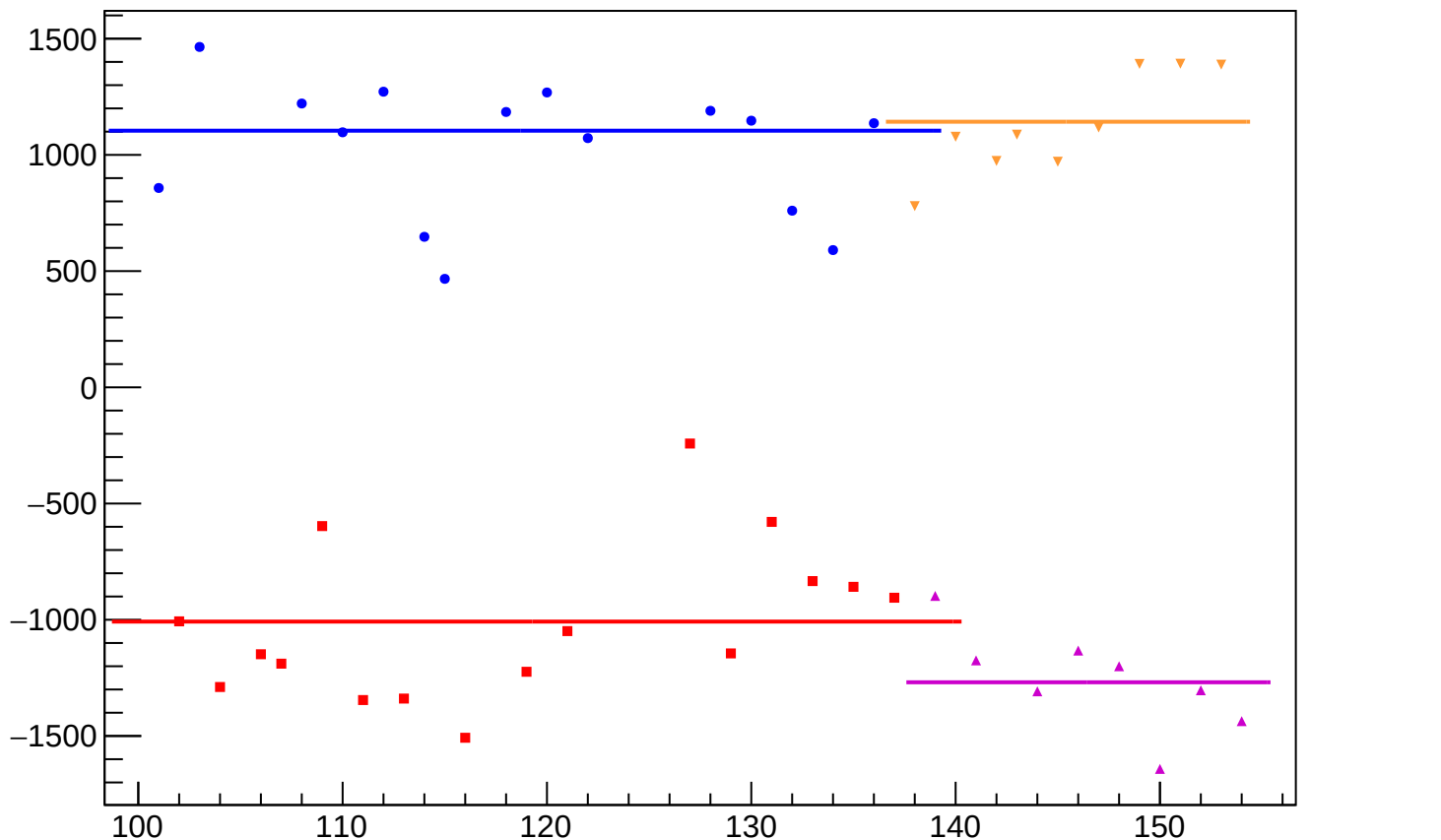
All: 113.656+/-0.000 χ^2/NDF : 443426933897

dit_sam6_coil3_err_mean vs Slug, Sign Corrected



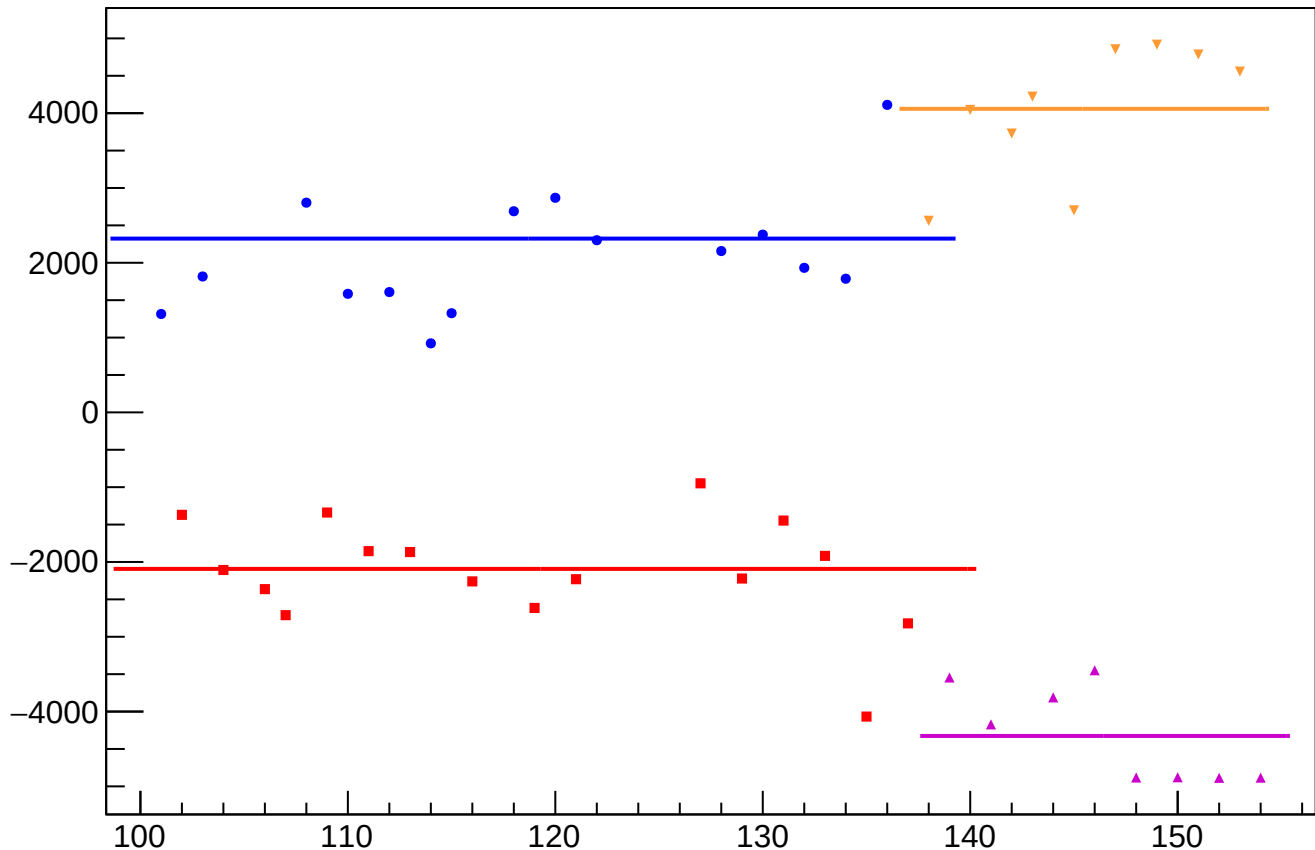
Right In: 114.118 $\pm$ 0.000 χ^2 /NDF: 607226770891525118881736460452495360.0/14
 Left Out: 141.035 $\pm$ 0.000 χ^2 /NDF: 380662010782642728285213347658334208.0/8
 Right Out: -105.890 $\pm$ 0.000 χ^2 /NDF: 851861355270591521058611007535972352.0/15
 Left In: -156.302 $\pm$ 0.000 χ^2 /NDF: 285766804444451850212746075308032000.0/7
 All: -3.219 $\pm$ 0.000 χ^2 /NDF: 4834693033074

dit_sam6_coil3_Ndata_mean vs Slug, Sign Corrected



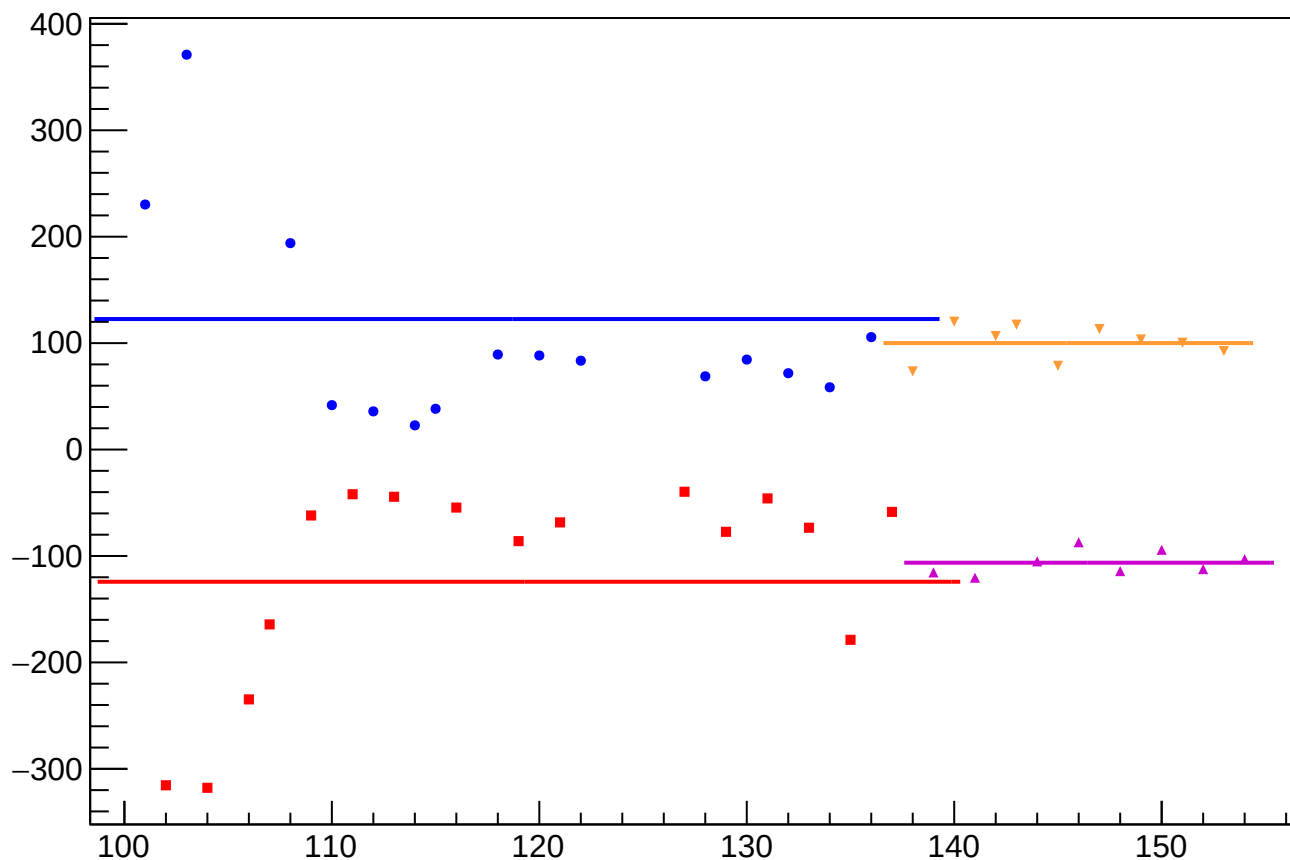
Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1142.645+/-0.000 χ^2/NDF : 29713715013962771151769332826777845760.0/8
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1269.019+/-0.000 χ^2/NDF : 29248954105903421314584303143596589056.0/7
 All: -20.628+/-0.000 χ^2/NDF : 362318824808

dit_sam7_coil3_mean vs Slug, Sign Corrected



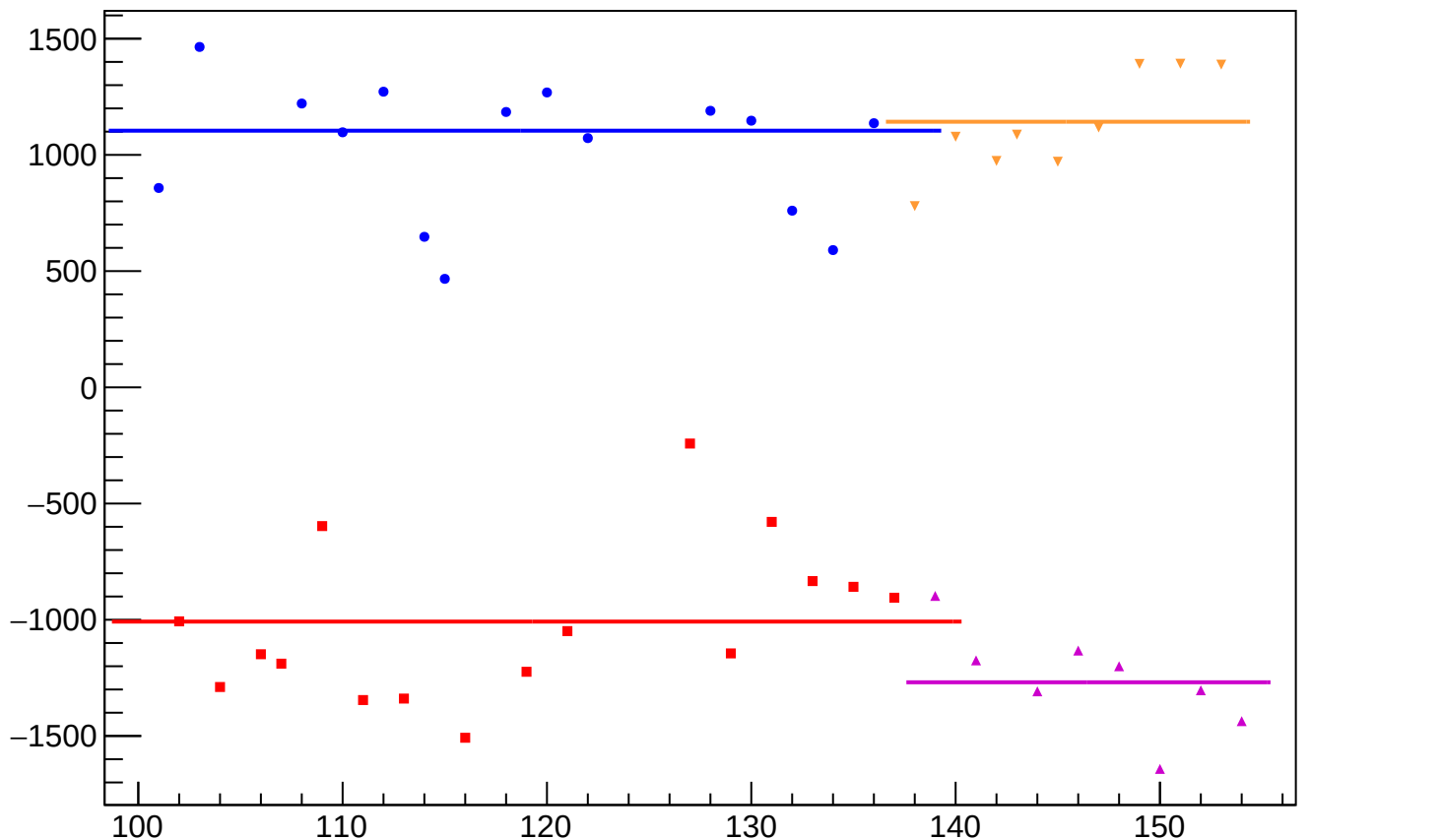
Right In: 2323.372 $\pm$ 0.000 χ^2 /NDF: 476371189888349375964725620757728591872.0/14
 Left Out: 4058.545 $\pm$ 0.000 χ^2 /NDF: 503721682396466645789768405060146954240.0/8
 Right Out: -2092.458 $\pm$ 0.000 χ^2 /NDF: 367126080872166122663684022473339174912.0/15
 Left In: -4325.937 $\pm$ 0.000 χ^2 /NDF: 247761544259436939336356173760012746752.0/7
 All: -43.488 $\pm$ 0.000 χ^2 /NDF: 320752553811

dit_sam7_coil3_err_mean vs Slug, Sign Corrected



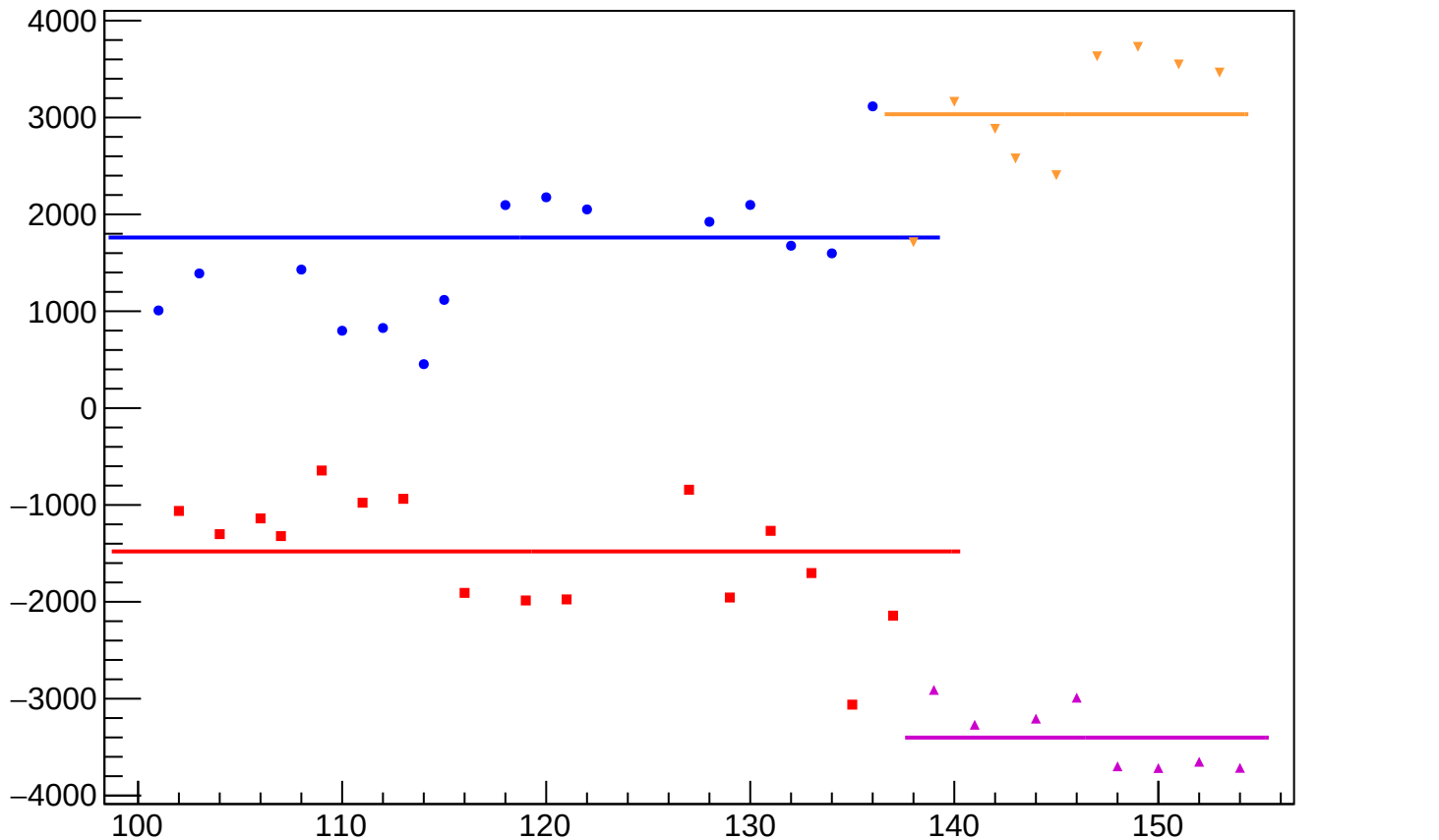
Right In: 122.622+/-0.000 χ^2/NDF : 5937504661187691145903235842749497344.0/14
 Left Out: 100.046+/-0.000 χ^2/NDF : 166623776486744851959786166449864704.0/8
 Right Out: -124.216+/-0.000 χ^2/NDF : 6549627589629012958791202941129719808.0/15
 Left In: -106.324+/-0.000 χ^2/NDF : 77303453888967232554866840522719232.0/7
 All: -3.241+/-0.000 χ^2/NDF : 4732815679437

dit_sam7_coil3_Ndata_mean vs Slug, Sign Corrected



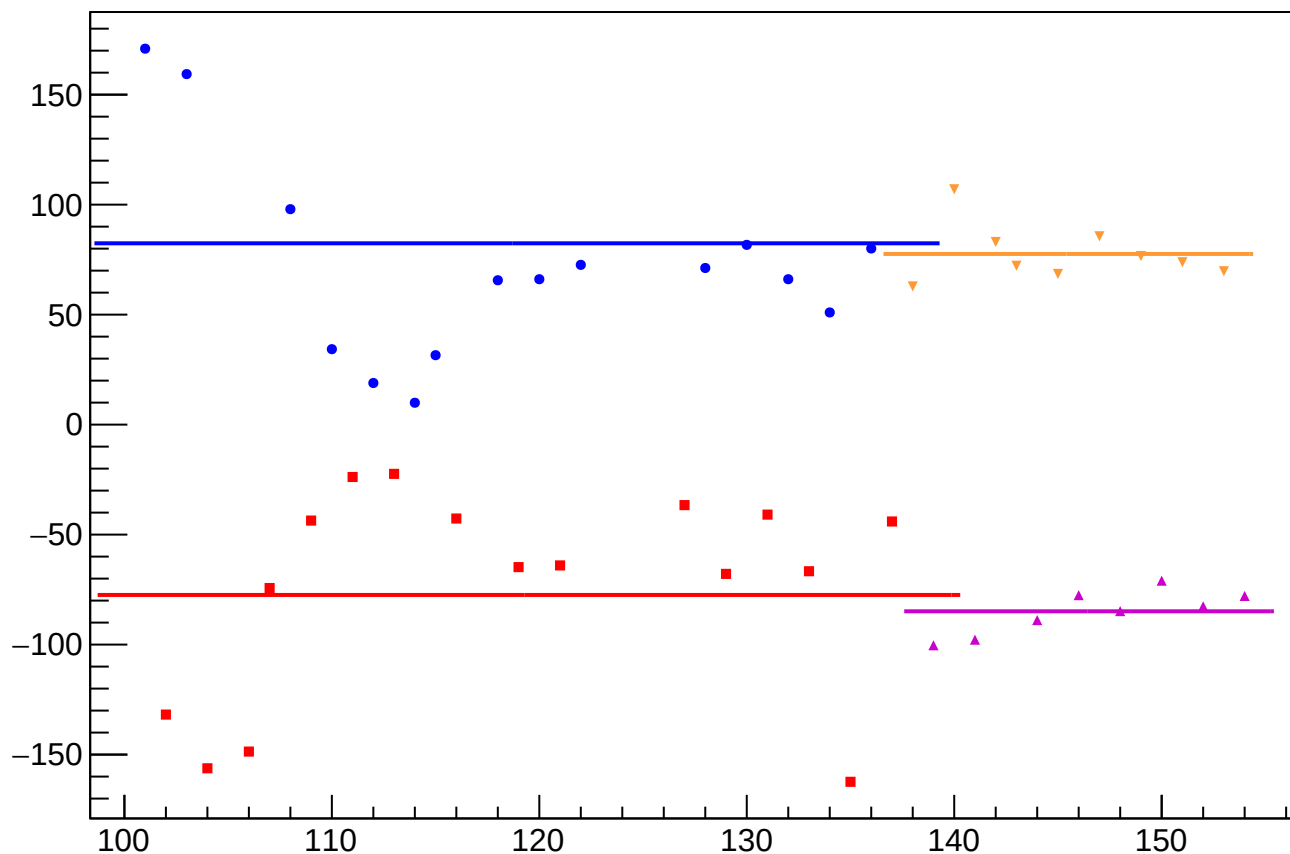
Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1142.645+/-0.000 χ^2/NDF : 29713715013962771151769332826777845760.0/8
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1269.019+/-0.000 χ^2/NDF : 29248954105903421314584303143596589056.0/7
 All: -20.628+/-0.000 χ^2/NDF : 362318824808

dit_sam8_coil3_mean vs Slug, Sign Corrected



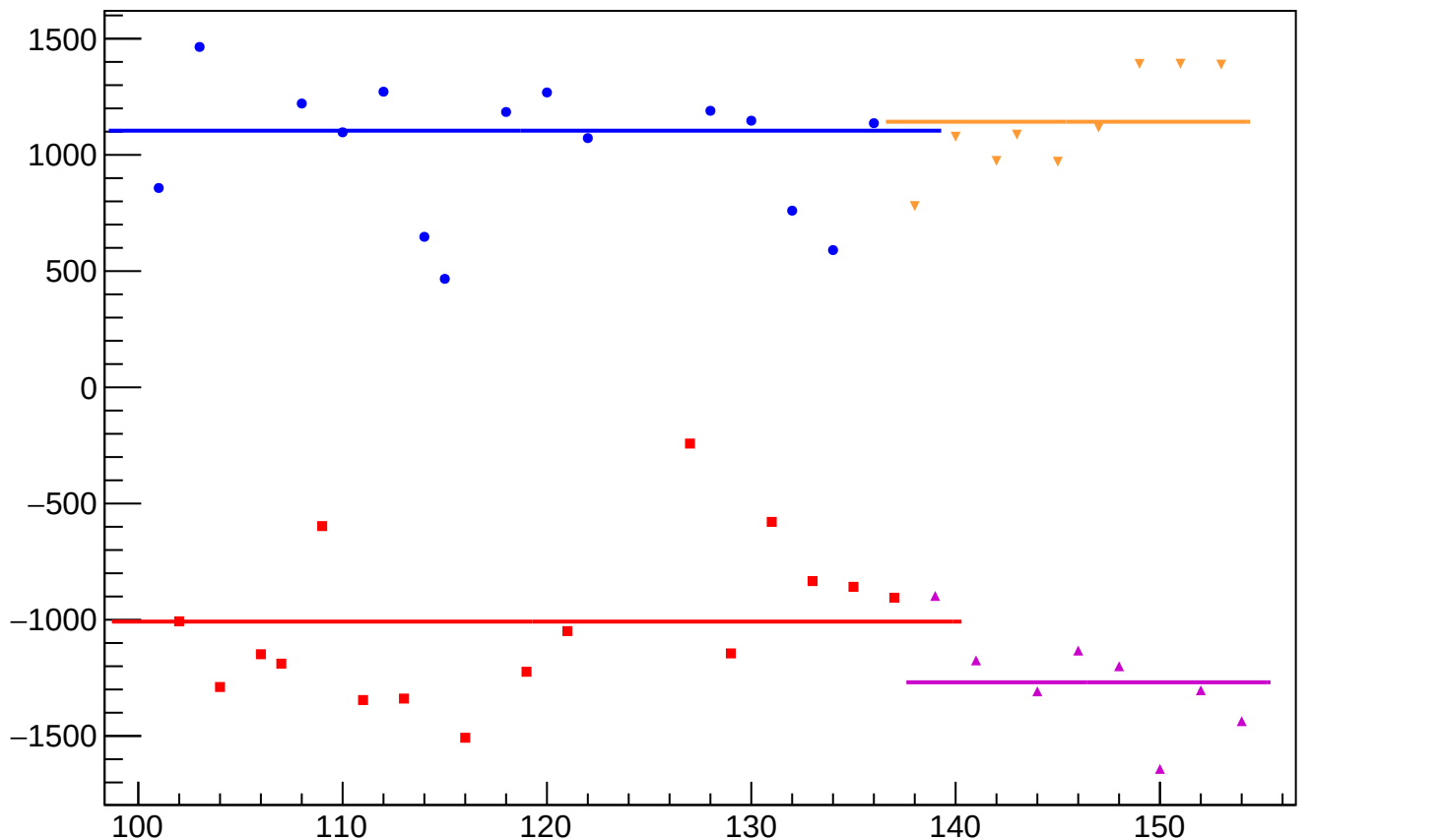
Right In: 1761.245+/-0.000 χ^2/NDF : 332206925976055306953064744993096204288.0/14
 Left Out: 3033.829+/-0.000 χ^2/NDF : 289293867806488513517554476110661550080.0/8
 Right Out: -1479.801+/-0.000 χ^2/NDF : 263467768134780968832551238609236131840.0/15
 Left In: -3401.586+/-0.000 χ^2/NDF : 69118683585332242487486043446155673600.0/7
 All: -48.727+/-0.000 χ^2/NDF : 186341723573

dit_sam8_coil3_err_mean vs Slug, Sign Corrected



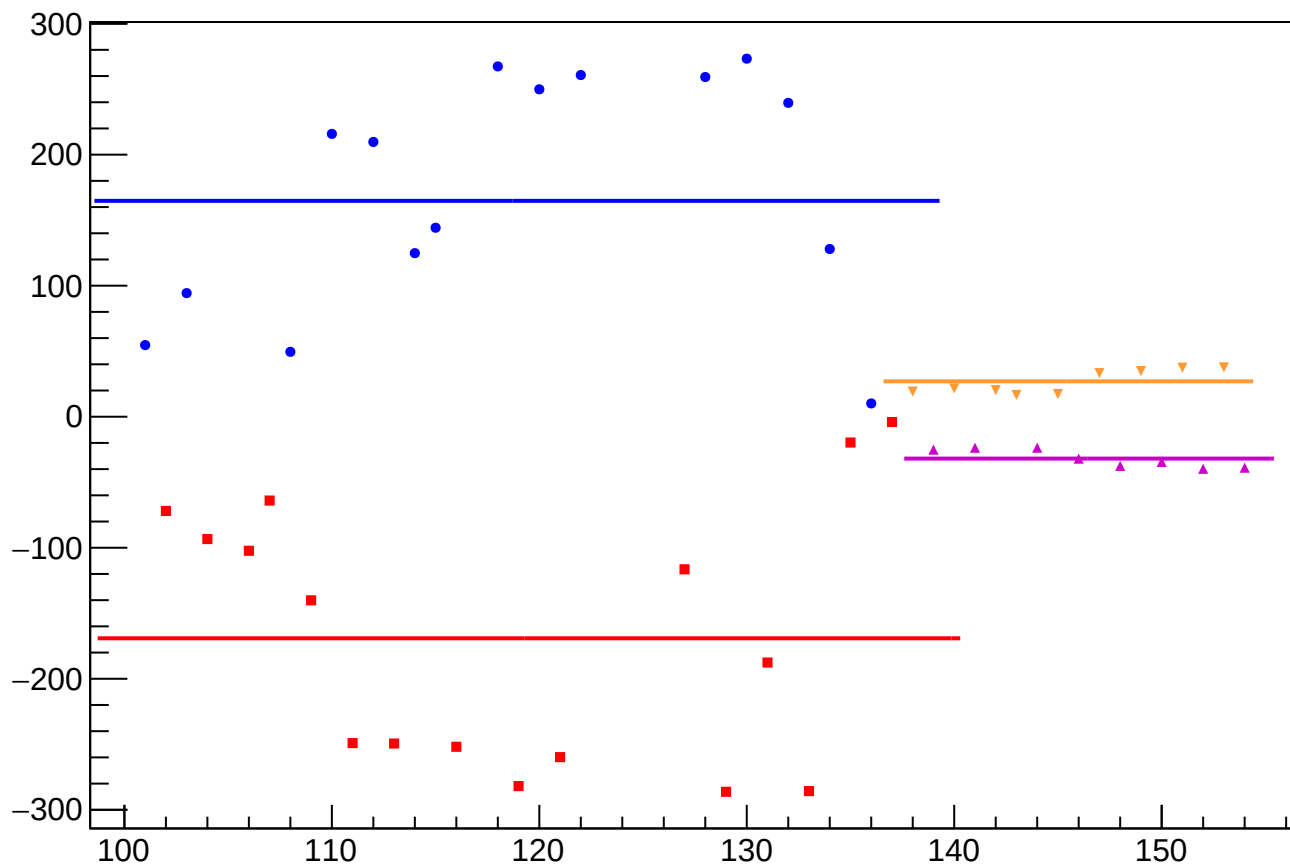
Right In: 82.422+/-0.000 χ^2/NDF : 1263633347129443757477527241185296384.0/14
 Left Out: 77.588+/-0.000 χ^2/NDF : 109319281137683649913539638845243392.0/8
 Right Out: -77.430+/-0.000 χ^2/NDF : 1515456409368458038568290276111024128.0/15
 Left In: -84.862+/-0.000 χ^2/NDF : 61784885517499465151976429196410880.0/7
 All: -1.498+/-0.000 χ^2/NDF : 2039542087159

dit_sam8_coil3_Ndata_mean vs Slug, Sign Corrected



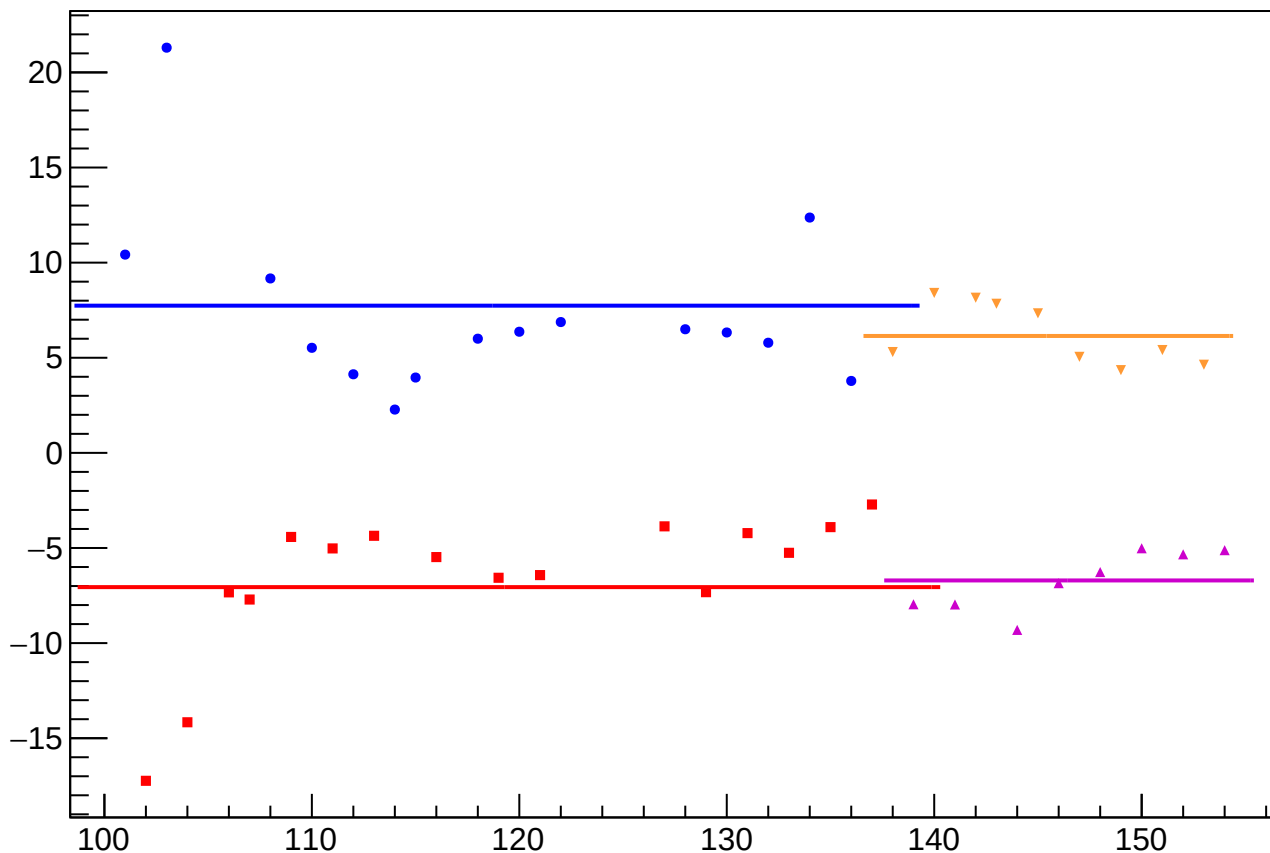
Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1142.645+/-0.000 χ^2/NDF : 29713715013962771151769332826777845760.0/8
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1269.019+/-0.000 χ^2/NDF : 29248954105903421314584303143596589056.0/7
 All: -20.628+/-0.000 χ^2/NDF : 362318824808

dit_4aX_coil7_mean vs Slug, Sign Corrected



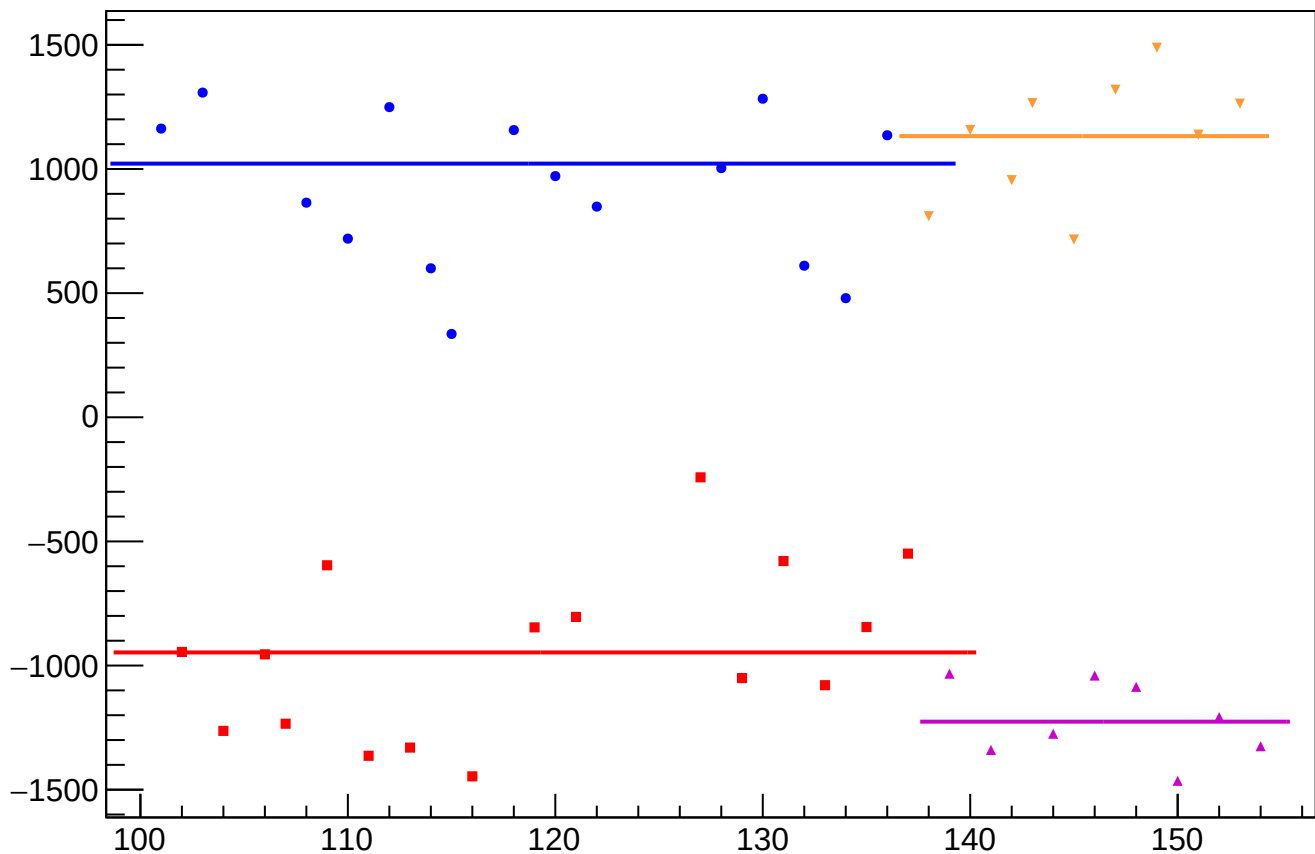
Left: -2.704 ± 0.000 $\chi^2/\text{NDF}: 12668975145510317$
 Right In: 164.752 ± 0.000 $\chi^2/\text{NDF}: 6369828943181833917425699916554960896.0/14$
 Right: -4.461 ± 0.000 $\chi^2/\text{NDF}: 4907468178563624$
 Left Out: 27.015 ± 0.000 $\chi^2/\text{NDF}: 50329822395528375739283589686099968.0/8$
 In: 63.461 ± 0.000 $\chi^2/\text{NDF}: 193289342735081041$
 Right Out: -169.108 ± 0.000 $\chi^2/\text{NDF}: 6040721802042936822766910687819071488.0/15$
 Out: -70.244 ± 0.000 $\chi^2/\text{NDF}: 1902372331350058$
 Left In: -31.949 ± 0.000 $\chi^2/\text{NDF}: 28457458010663861642994188837453824.0/7$
 All: -3.566 ± 0.000 $\chi^2/\text{NDF}: 5034364880849$

dit_4aX_coil7_err_mean vs Slug, Sign Corrected



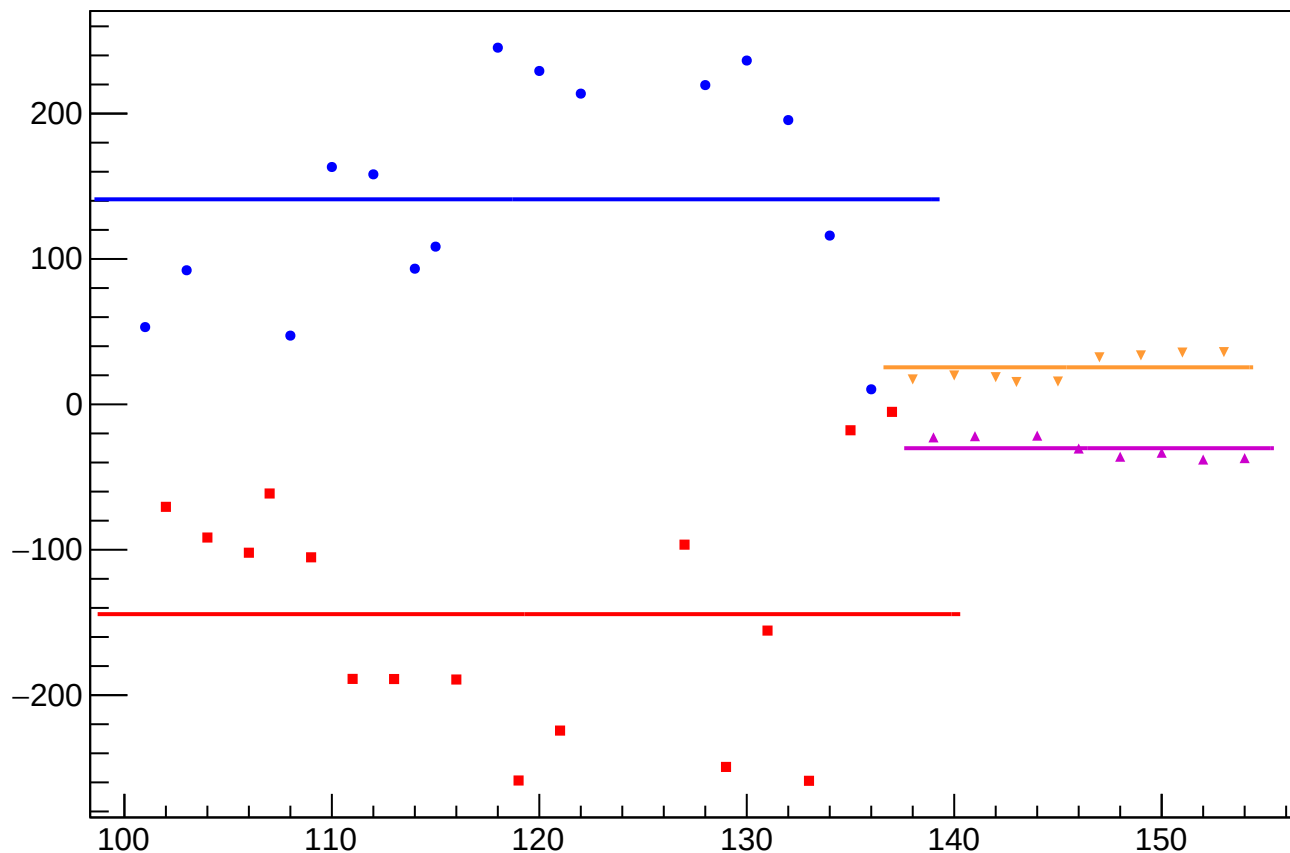
Right In: 7.738 $\pm$ 0.000 χ^2 /NDF: 15127215479234506007469492768079872.0/14
 Left Out: 6.146 $\pm$ 0.000 χ^2 /NDF: 1569271412892037188134110945607680.0/8
 Right Out: -7.057 $\pm$ 0.000 χ^2 /NDF: 11292441204139394792341242753581056.0/15
 Left In: -6.706 $\pm$ 0.000 χ^2 /NDF: 1531526169768172343487153072766976.0/7
 All: -0.052 $\pm$ 0.000 χ^2 /NDF: 1581857480561

dit_4aX_coil7_Ndata_mean vs Slug, Sign Corrected



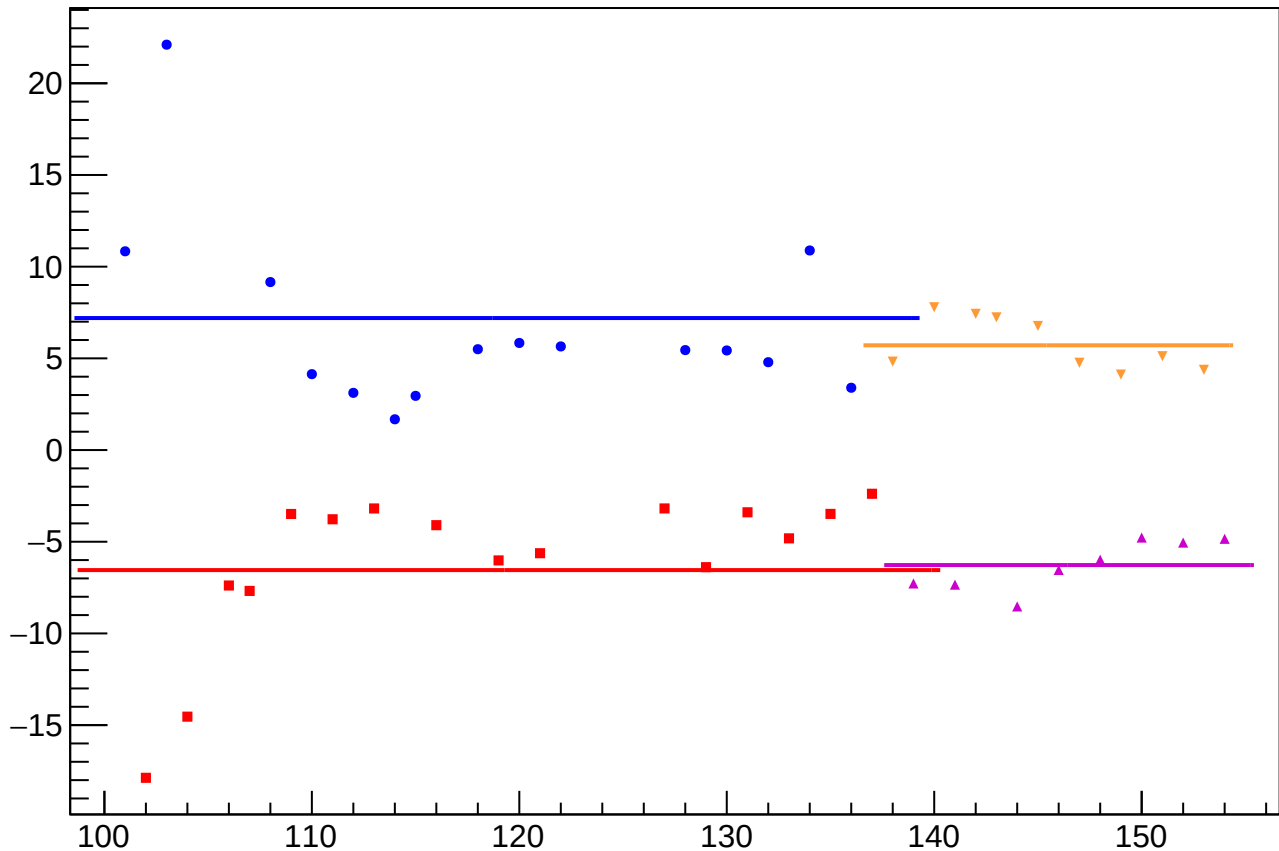
Right In: 1021.684+/-0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Left Out: 1132.494+/-0.000 χ^2/NDF : 39686876192496915858085858394832371712.0/8
 Right Out: -947.145+/-0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Left In: -1225.991+/-0.000 χ^2/NDF : 14916675602968721754329681431453761536.0/7
 All: -16.977+/-0.000 χ^2/NDF : 334308322032

dit_4eX_coil7_mean vs Slug, Sign Corrected



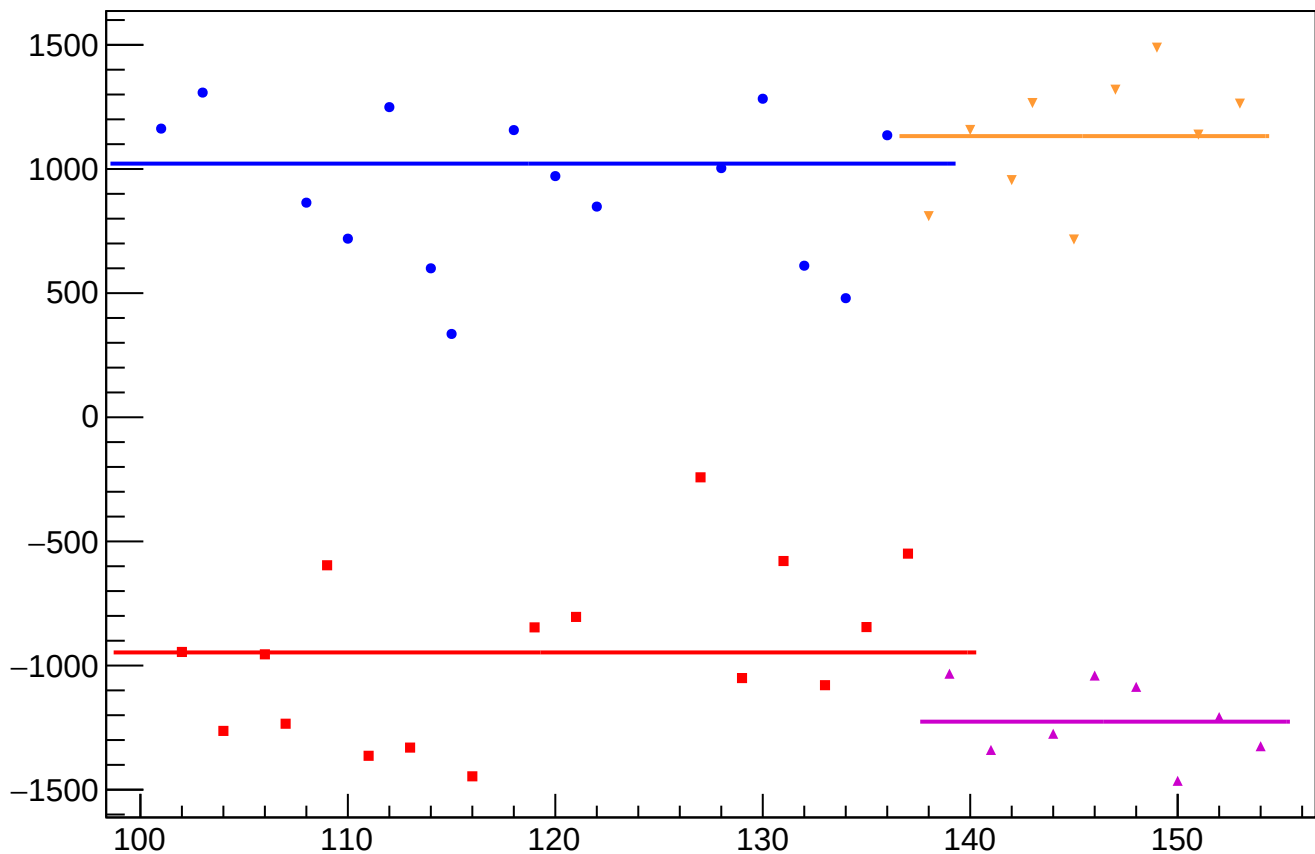
Left: -2.556 ± 0.000 $\chi^2/\text{NDF}: 11392178479299470$
 Right In: 141.032 ± 0.000 $\chi^2/\text{NDF}: 4507992585512923332587415612245934080.0/14$
 Right: -3.577 ± 0.000 $\chi^2/\text{NDF}: 3555338643006251$
 Left Out: 25.487 ± 0.000 $\chi^2/\text{NDF}: 51230196902982926553781994153574400.0/8$
 In: 52.882 ± 0.000 $\chi^2/\text{NDF}: 143313643772305650$
 Right Out: -144.283 ± 0.000 $\chi^2/\text{NDF}: 4268333571517740886065361663928827904.0/15$
 Out: -58.704 ± 0.000 $\chi^2/\text{NDF}: 1401032220498893$
 Left In: -30.151 ± 0.000 $\chi^2/\text{NDF}: 3012591659444794116182927394996224.0/7$
 All: -3.057 ± 0.000 $\chi^2/\text{NDF}: 3669330376162$

dit_4eX_coil7_err_mean vs Slug, Sign Corrected



Left: -0.328 ± 0.000 χ^2/NDF : 51496538382219762
 Right In: 7.198 ± 0.000 χ^2/NDF : 18212640728502785337831966963138560.0/14
 Right: 0.232 ± 0.000 χ^2/NDF : 94430884745367791
 Left Out: 5.712 ± 0.000 χ^2/NDF : 1259145138968240511855374597357568.0/8
 In: 0.262 ± 0.000 χ^2/NDF : 8001225432423396376
 Right Out: -6.547 ± 0.000 χ^2/NDF : 14078912505116068936230809834094592.0/15
 Out: -0.367 ± 0.000 χ^2/NDF : 65860204411884399
 Left In: -6.272 ± 0.000 χ^2/NDF : 1162838621434841357021622600466432.0/7
 All: -0.054 ± 0.000 χ^2/NDF : 1461377686992

dit_4eX_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1132.494+/-0.000

Right Out: -947.145+/-0.000

Left In: -1225.991+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 39686876192496915858085858394832371712.0/8

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 14916675602968721754329681431453761536.0/7

Left: -56.238+/-0.000 χ^2/NDF : 1955448892103571

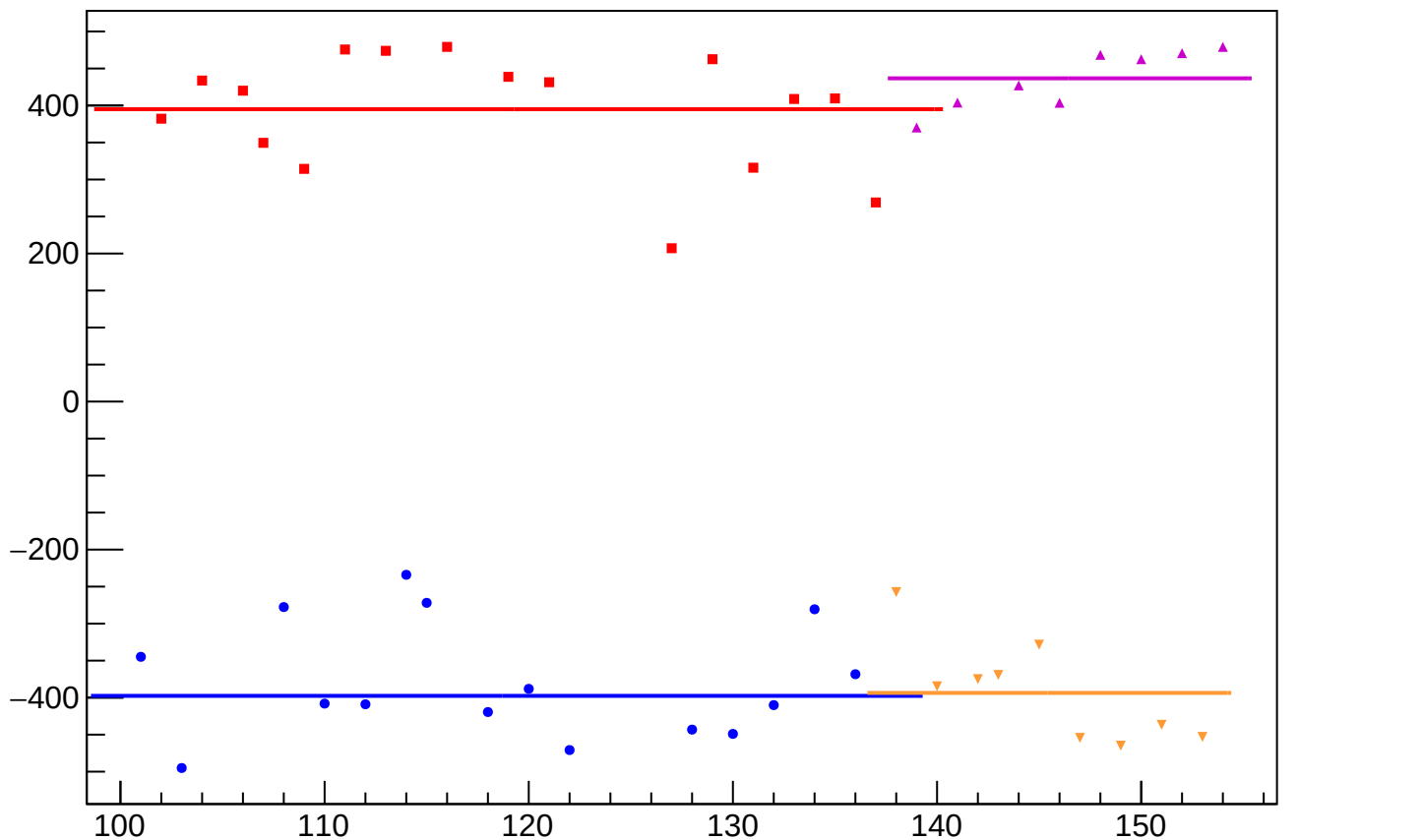
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -135.751+/-0.000 χ^2/NDF : 1743808435002872

Out: 101.178+/-0.000 χ^2/NDF : 1561622077009199

All: -16.977+/-0.000 χ^2/NDF : 334308322032

dit_11X12X_coil7_mean vs Slug, Sign Corrected



Right In: -397.613+/-0.000

χ^2/NDF : 2661280785384633207096106229474263040.0/14

Left Out: -393.597+/-0.000

χ^2/NDF : 3012211955543213926907268125259988992.0/8

Right Out: 394.973+/-0.000

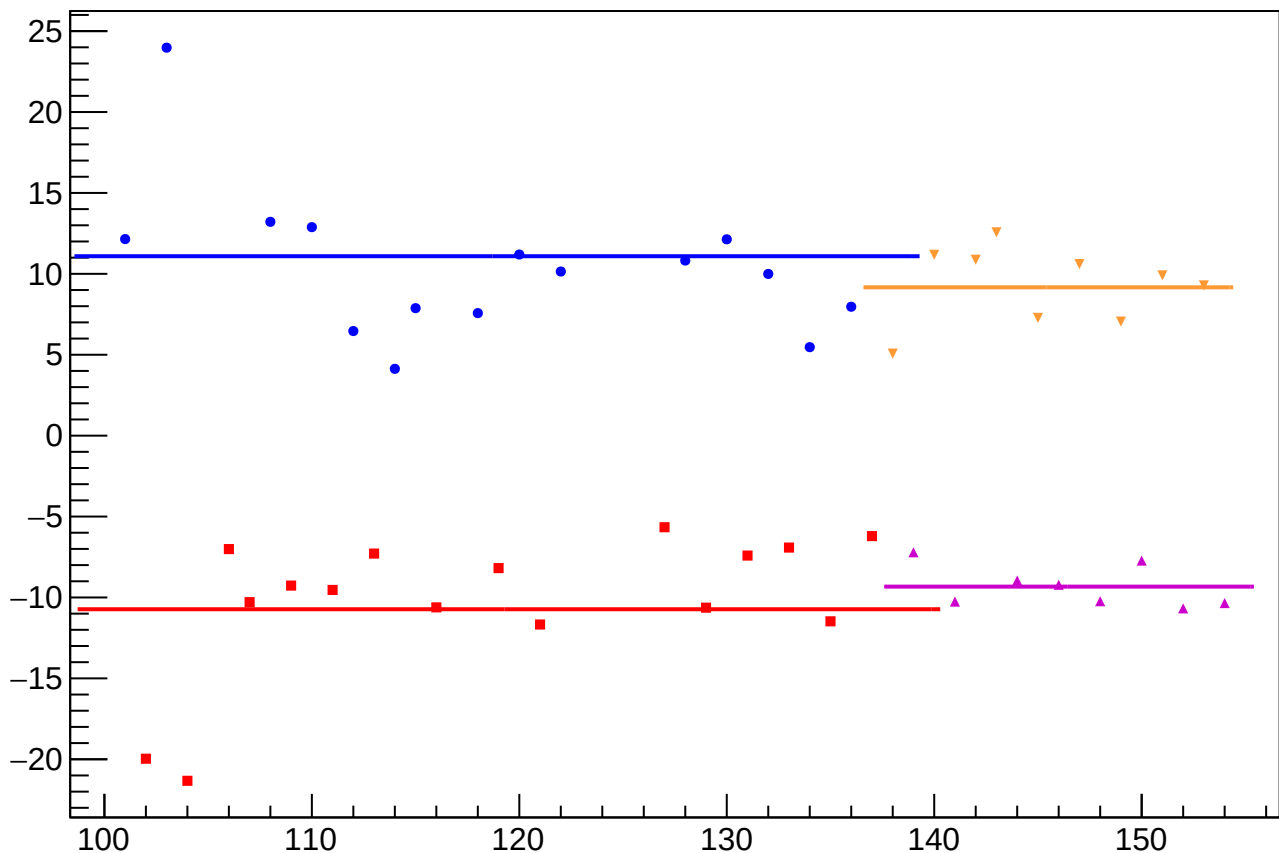
χ^2/NDF : 3685595513427183501596165280874102784.0/15

Left In: 436.708+/-0.000

χ^2/NDF : 954665155535232919635978966653730816.0/7

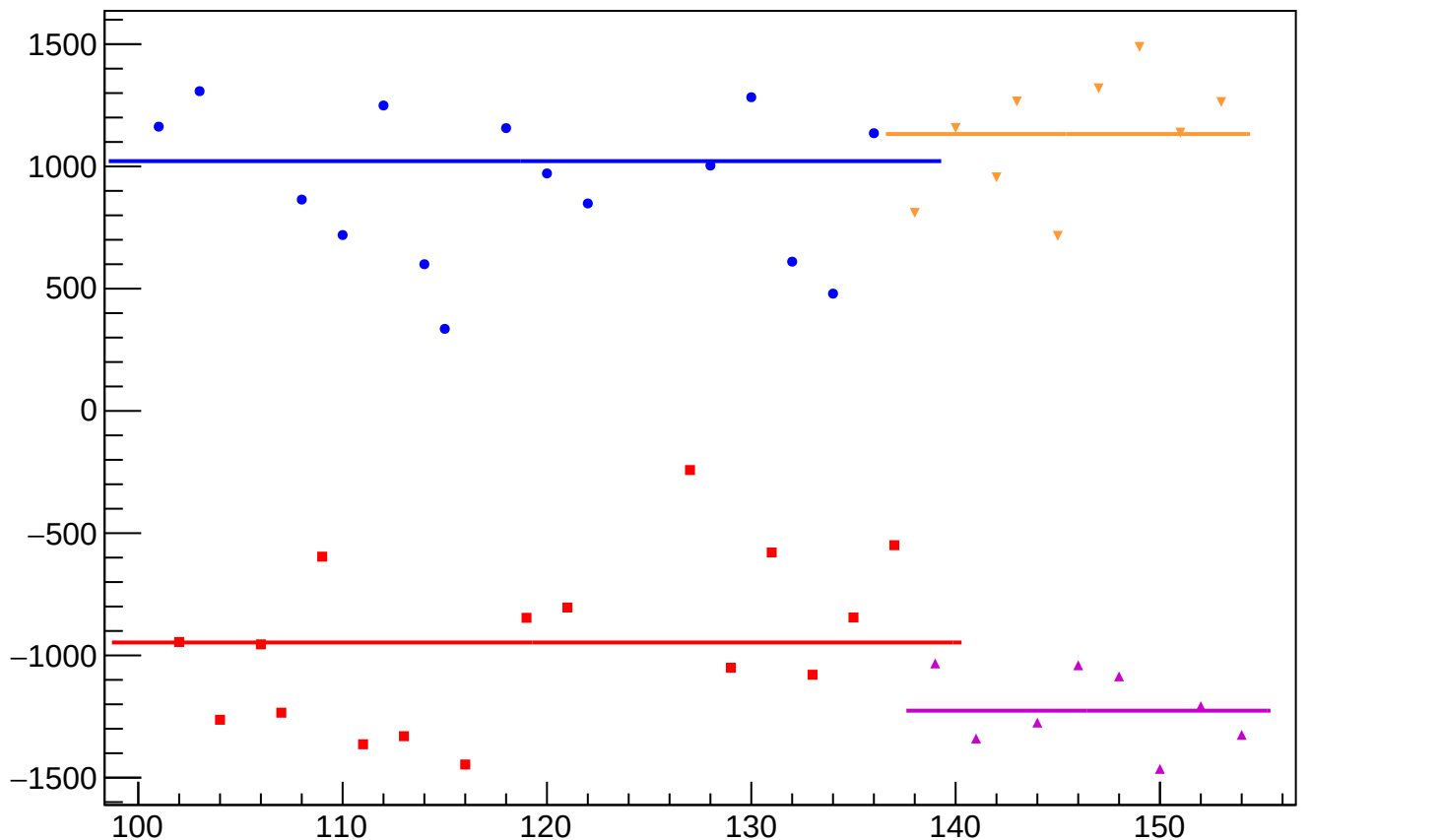
All: 14.696+/-0.000 χ^2/NDF : 4528296718752

dit_11X12X_coil7_err_mean vs Slug, Sign Corrected



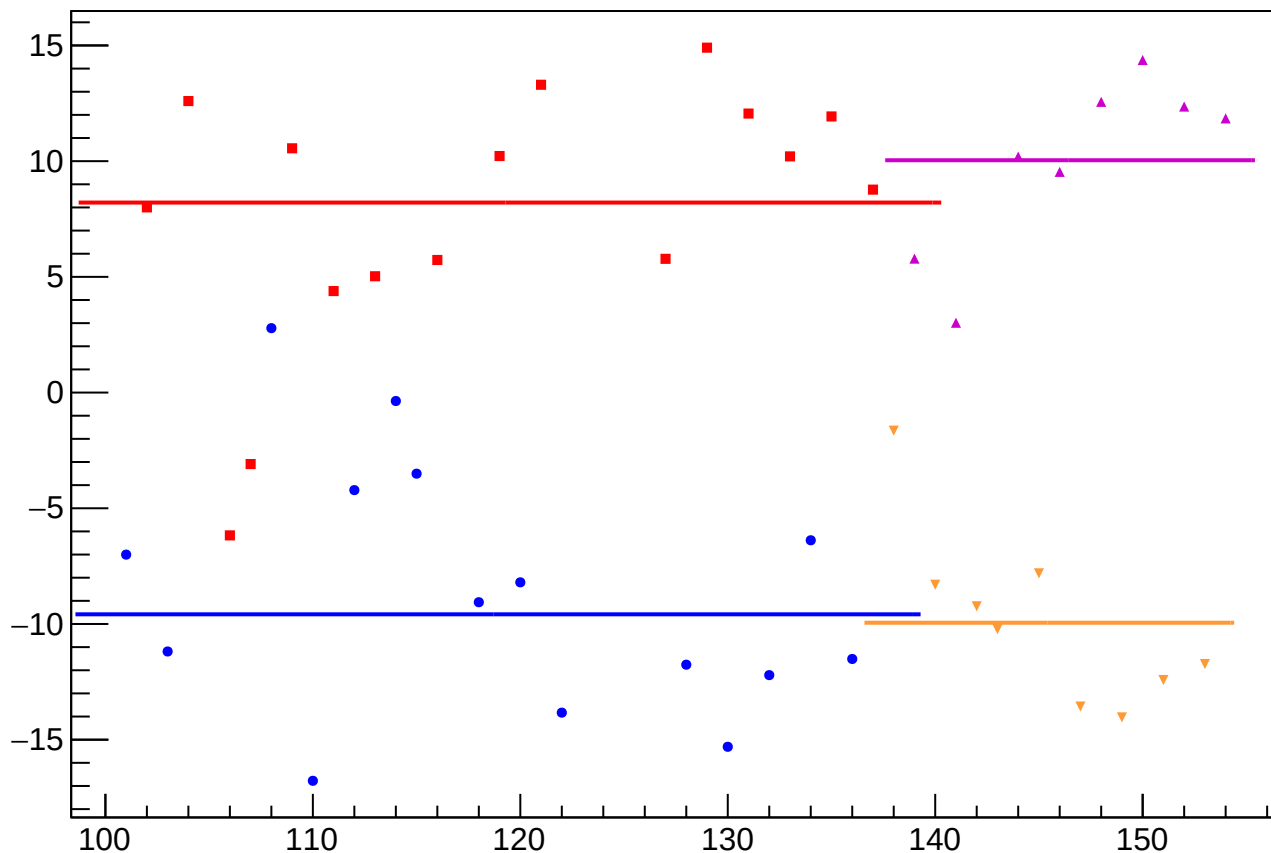
Right In: 11.089 $\pm$ 0.000 χ^2 /NDF: 14235991122014984478163351266918400.0/14
 Left Out: 9.167 $\pm$ 0.000 χ^2 /NDF: 3418205158644499205200768592248832.0/8
 Right Out: -10.728 $\pm$ 0.000 χ^2 /NDF: 14767238290725260908081124437131264.0/15
 Left In: -9.330 $\pm$ 0.000 χ^2 /NDF: 1004933105590320937491185390321664.0/7
 All: -0.064 $\pm$ 0.000 χ^2 /NDF: 3069313145915

dit_11X12X_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000	χ^2/NDF : 40493101470870278397836276403592495104.0/14	Left: -56.238+/-0.000	χ^2/NDF : 1955448892103571
Left Out: 1132.494+/-0.000	χ^2/NDF : 39686876192496915858085858394832371712.0/8	Right: 23.805+/-0.000	χ^2/NDF : 1383338523153511
Right Out: -947.145+/-0.000	χ^2/NDF : 67784656011936521511169668028018196480.0/15	In: -135.751+/-0.000	χ^2/NDF : 1743808435002872
Left In: -1225.991+/-0.000	χ^2/NDF : 14916675602968721754329681431453761536.0/7	Out: 101.178+/-0.000	χ^2/NDF : 1561622077009199
		All: -16.977+/-0.000	χ^2/NDF : 334308322032

dit_4aY_coil7_mean vs Slug, Sign Corrected



Right In: -9.582+/-0.000

χ^2/NDF : 14702679983940002820806471963377664.0/14

Left Out: -9.945+/-0.000

χ^2/NDF : 9163698916071131099281893680480256.0/8

Right Out: 8.211+/-0.000

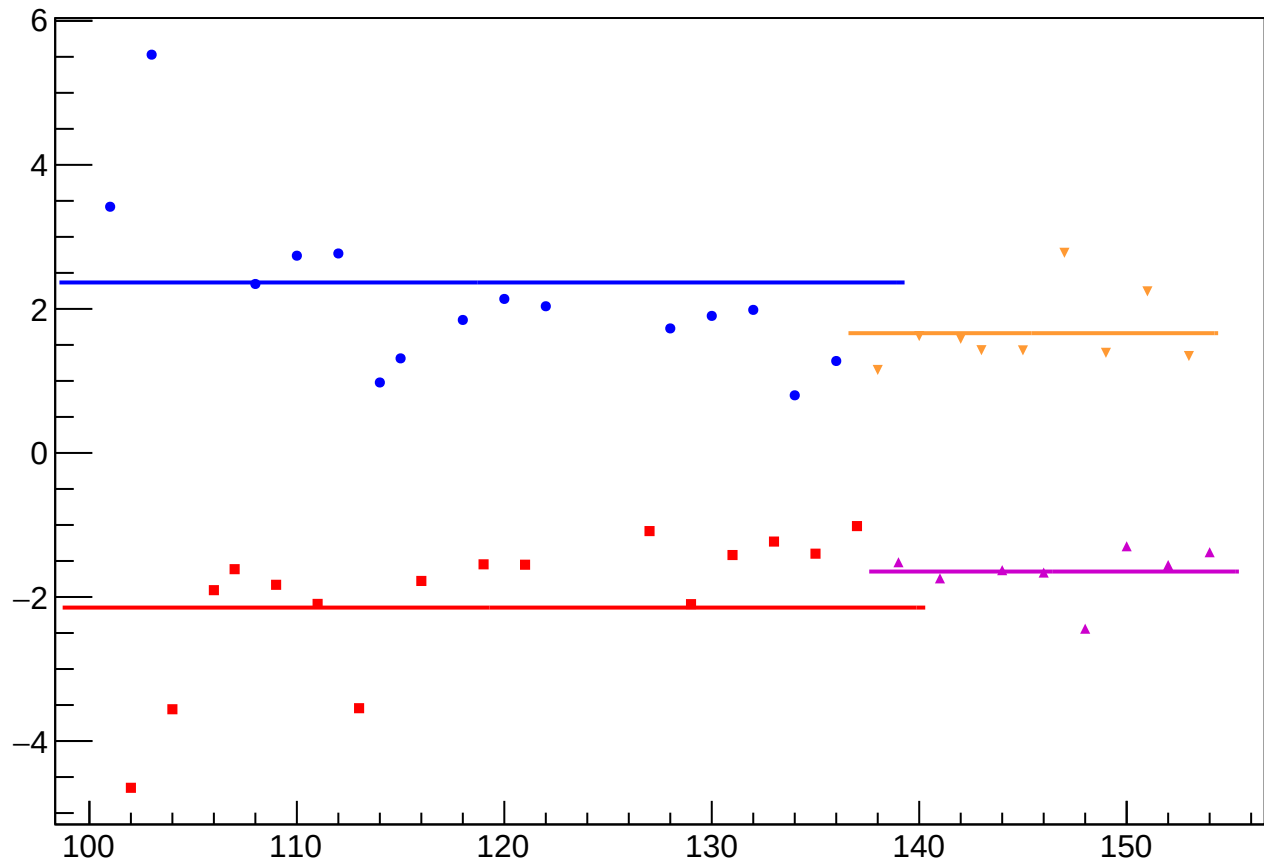
χ^2/NDF : 18304237293835961465605754204454912.0/15

Left In: 10.040+/-0.000

χ^2/NDF : 8679815671463545781512299272470528.0/7

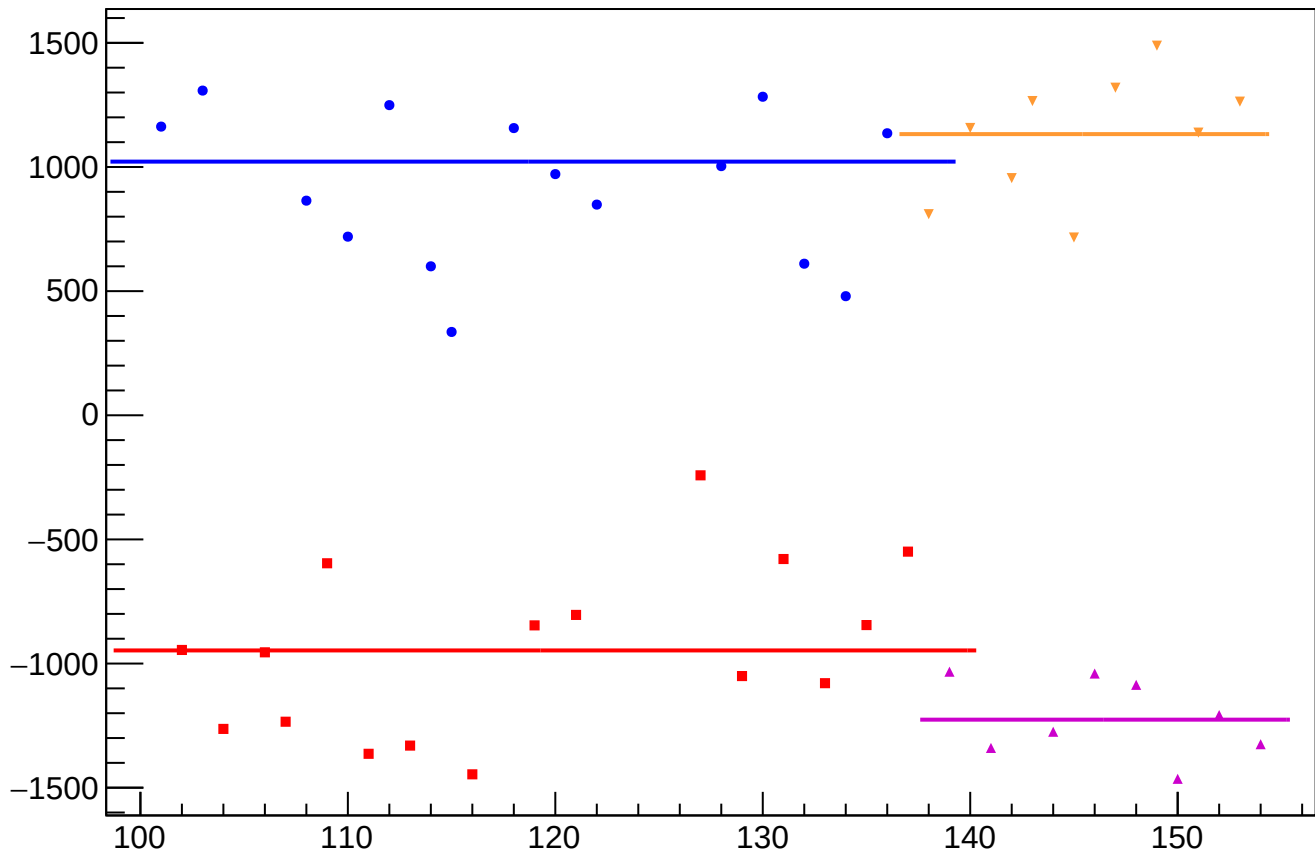
All: -0.211+/-0.000 χ^2/NDF : 2918038019854

dit_4aY_coil7_err_mean vs Slug, Sign Corrected



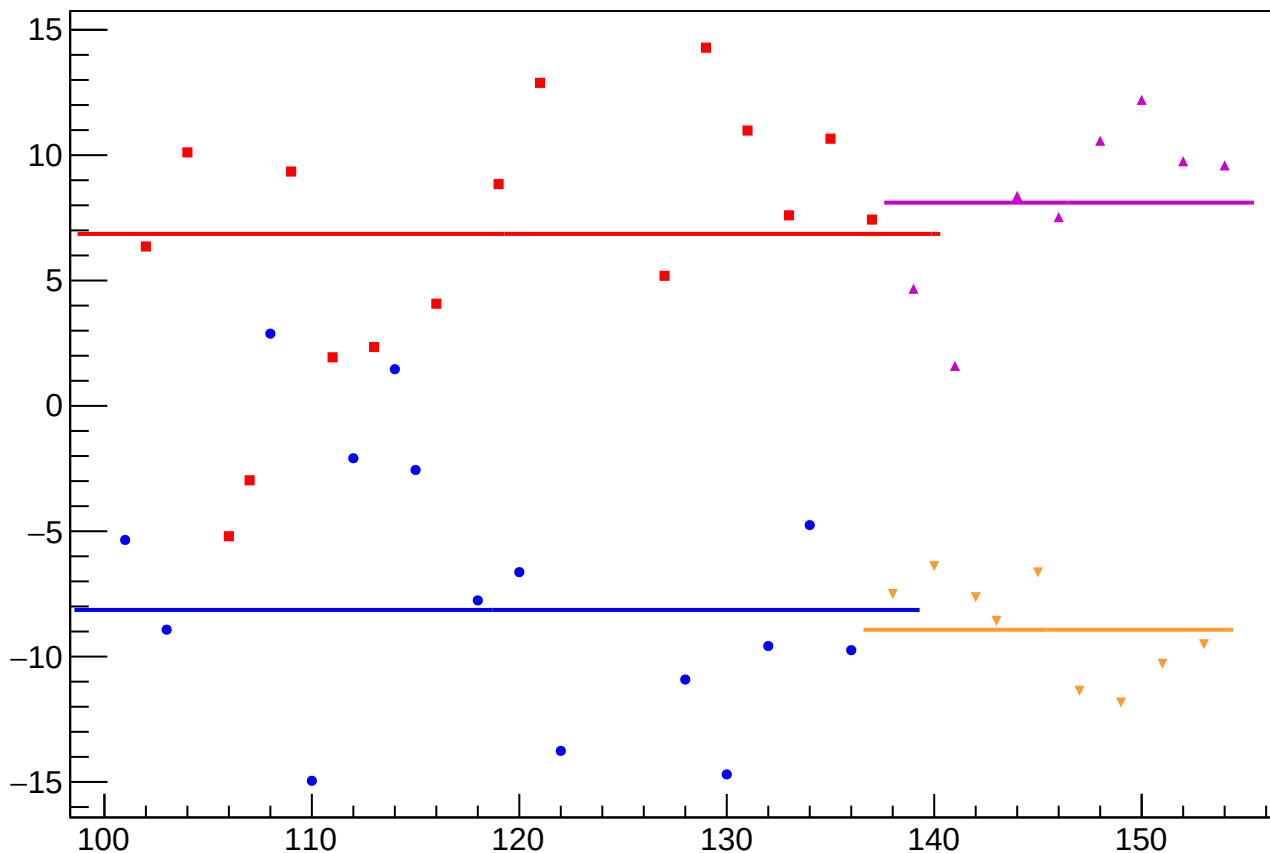
Right In: 2.367 ± 0.000 $\chi^2/\text{NDF}: 920633294546152876922066767446016.0/14$
 Left Out: 1.663 ± 0.000 $\chi^2/\text{NDF}: 167042831649701944267465675505664.0/8$
 Right Out: -2.147 ± 0.000 $\chi^2/\text{NDF}: 764171992480224478656127555338240.0/15$
 Left In: -1.647 ± 0.000 $\chi^2/\text{NDF}: 73390138968444672267288137695232.0/7$
 All: 0.036 ± 0.000 $\chi^2/\text{NDF}: 12376096999332.0/32$

dit_4aY_coil7_Ndata_mean vs Slug, Sign Corrected



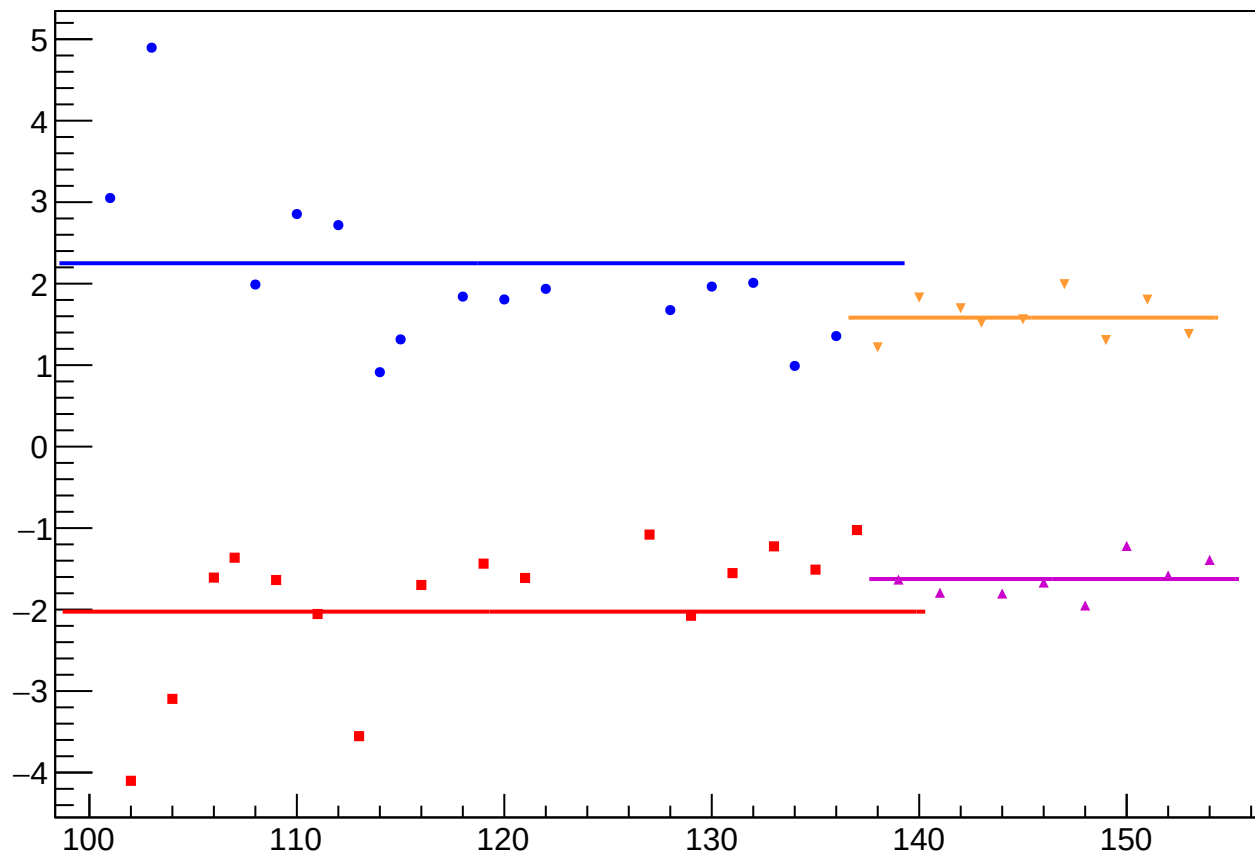
Right In: 1021.684 $\pm$ 0.000 χ^2 /NDF: 40493101470870278397836276403592495104.0/14
 Left Out: 1132.494 $\pm$ 0.000 χ^2 /NDF: 39686876192496915858085858394832371712.0/8
 Right Out: -947.145 $\pm$ 0.000 χ^2 /NDF: 67784656011936521511169668028018196480.0/15
 Left In: -1225.991 $\pm$ 0.000 χ^2 /NDF: 14916675602968721754329681431453761536.0/7
 All: -16.977 $\pm$ 0.000 χ^2 /NDF: 334308322032

dit_4eY_coil7_mean vs Slug, Sign Corrected



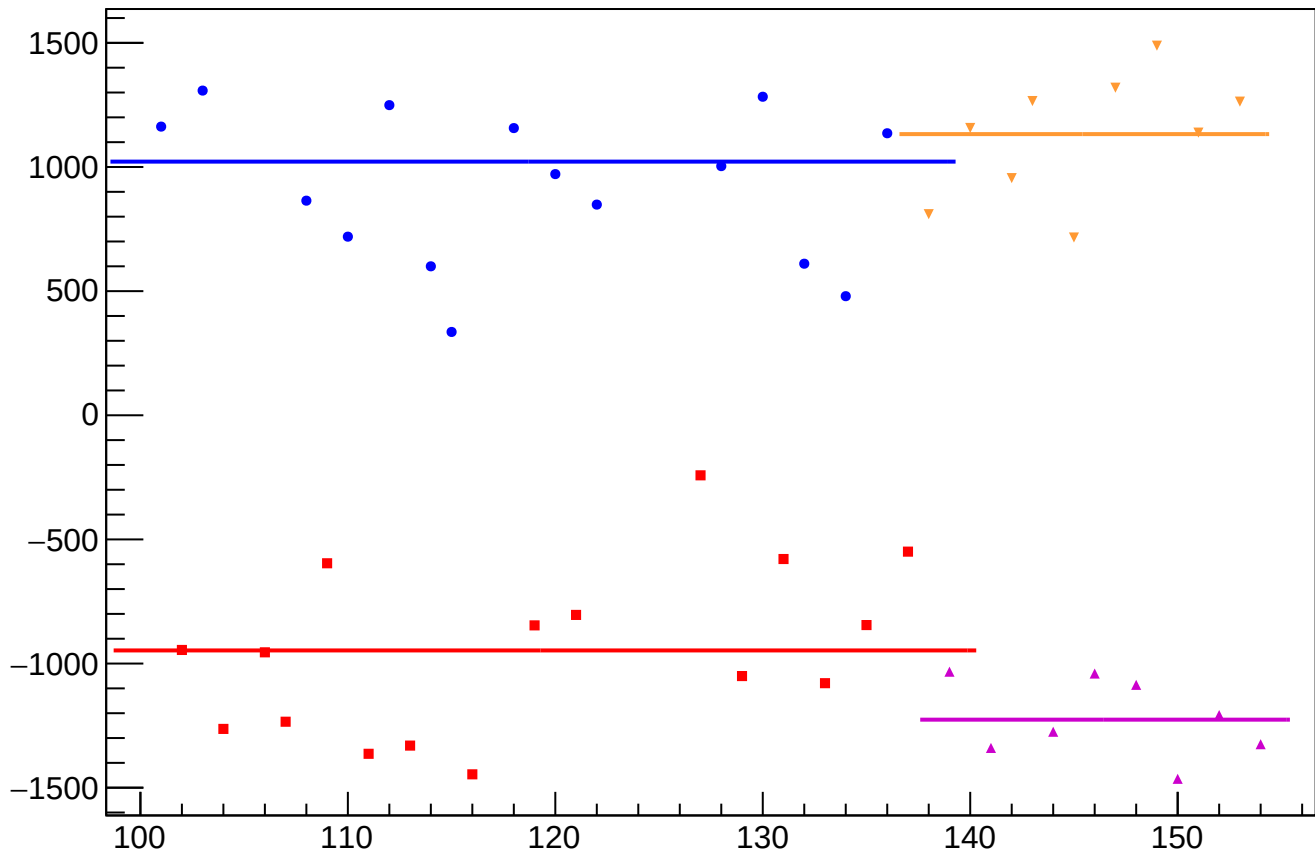
Left: -0.343 +/- 0.000 χ^2/NDF : 10877765350336845
 Right: -0.537 +/- 0.000 χ^2/NDF : 1051474549999360
 In: 0.227 +/- 0.000 χ^2/NDF : 1099471834466242103
 Out: -1.100 +/- 0.000 χ^2/NDF : 10282314363866580
 All: -0.438 +/- 0.000 χ^2/NDF : 2139505810300

dit_4eY_coil7_err_mean vs Slug, Sign Corrected



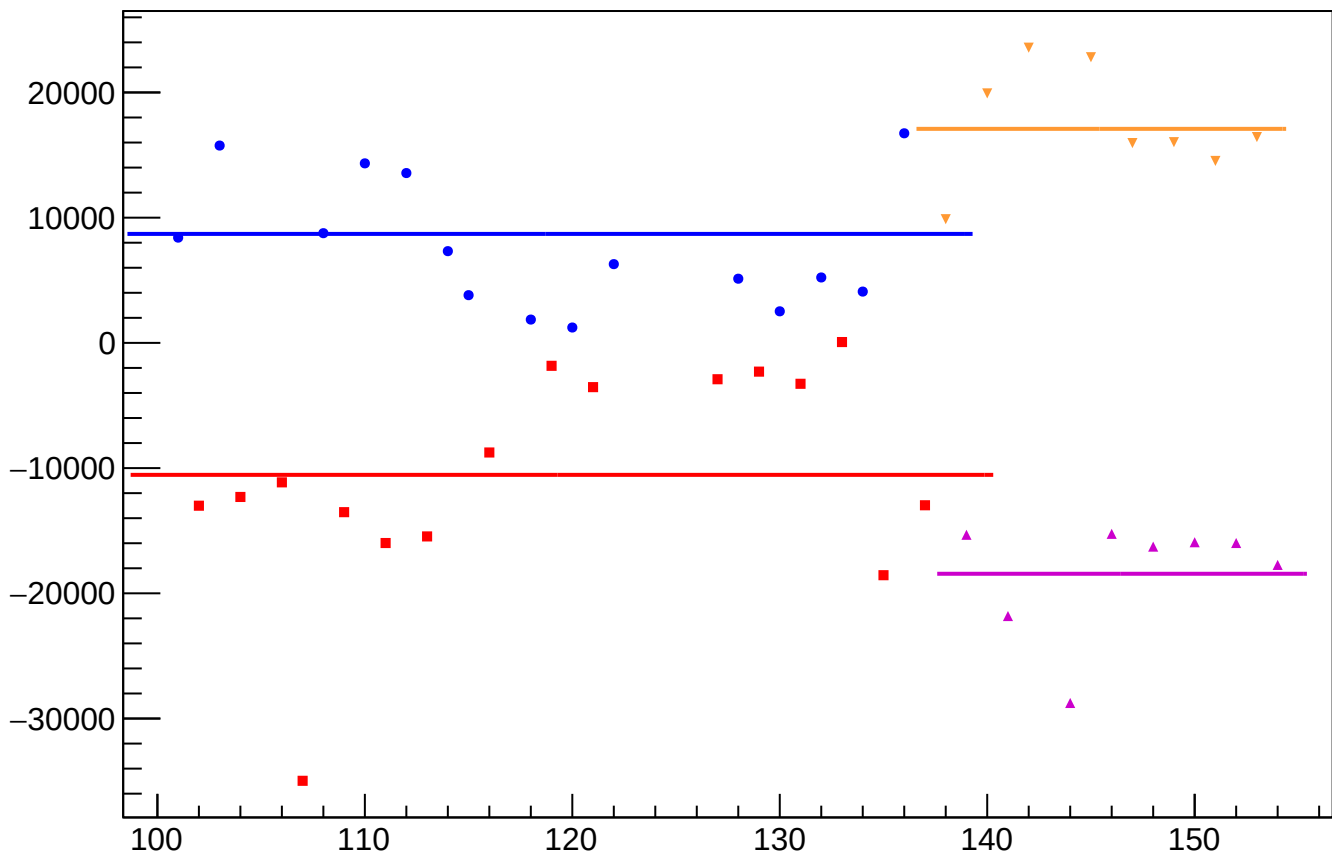
Right In: 2.250 ± 0.000 $\chi^2/\text{NDF}: 656774588136274816295442701090816.0/14$
 Left Out: 1.583 ± 0.000 $\chi^2/\text{NDF}: 42971946316530170162898708463616.0/8$
 Right Out: -2.025 ± 0.000 $\chi^2/\text{NDF}: 578717441762956454616505599918080.0/15$
 Left In: -1.625 ± 0.000 $\chi^2/\text{NDF}: 34294576263080206439745371242496.0/7$
 All: 0.024 ± 0.000 $\chi^2/\text{NDF}: 10852229378848$

dit_4eY_coil7_Ndata_mean vs Slug, Sign Corrected



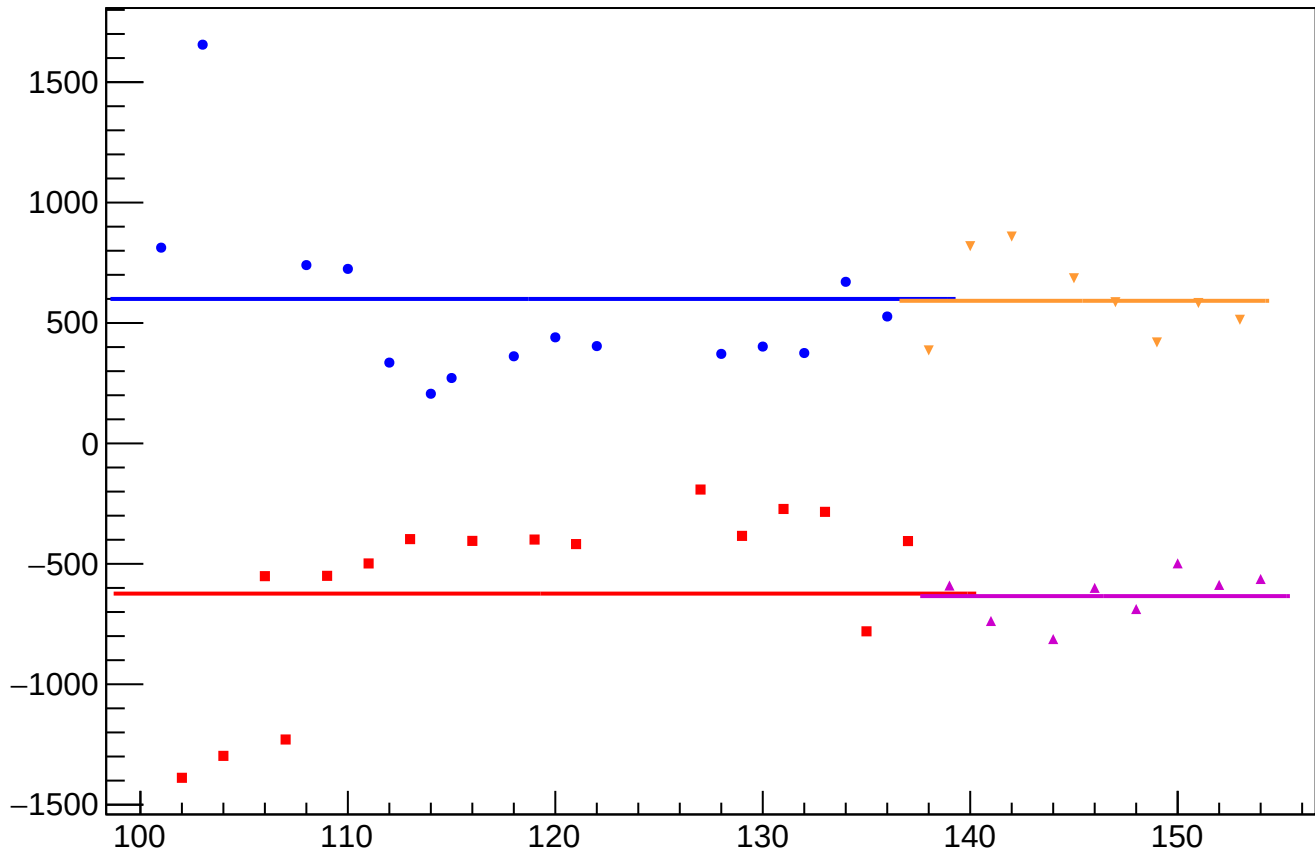
Right In: 1021.684+/-0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Left Out: 1132.494+/-0.000 χ^2/NDF : 39686876192496915858085858394832371712.0/8
 Right Out: -947.145+/-0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Left In: -1225.991+/-0.000 χ^2/NDF : 14916675602968721754329681431453761536.0/7
 All: -16.977+/-0.000 χ^2/NDF : 334308322032

dit_usl_coil7_mean vs Slug, Sign Corrected



Right In: 8703.332+/-0.000 χ^2/NDF : 19501133067308426859536304500819191922688.0/14
 Left Out: 17093.421+/-0.000 χ^2/NDF : 10039484159449677017322555716061313892352.0/7
 Right Out: -10539.327+/-0.000 χ^2/NDF : 46226684227836109273394062569753758662656.0/15
 Left In: -18438.666+/-0.000 χ^2/NDF : 13617576422490532664571621963989763751936.0/7
 All: -1391.983+/-0.000 χ^2/NDF : 6203394683

dit_usl_coil7_err_mean vs Slug, Sign Corrected



Right In: 599.849 +/- 0.000

χ^2/NDF : 89258961100373244309337208715638472704.0/14

Left Out: 592.131 +/- 0.000

χ^2/NDF : 14555138373749026525610780523965186048.0/7

Right Out: -623.569 +/- 0.000

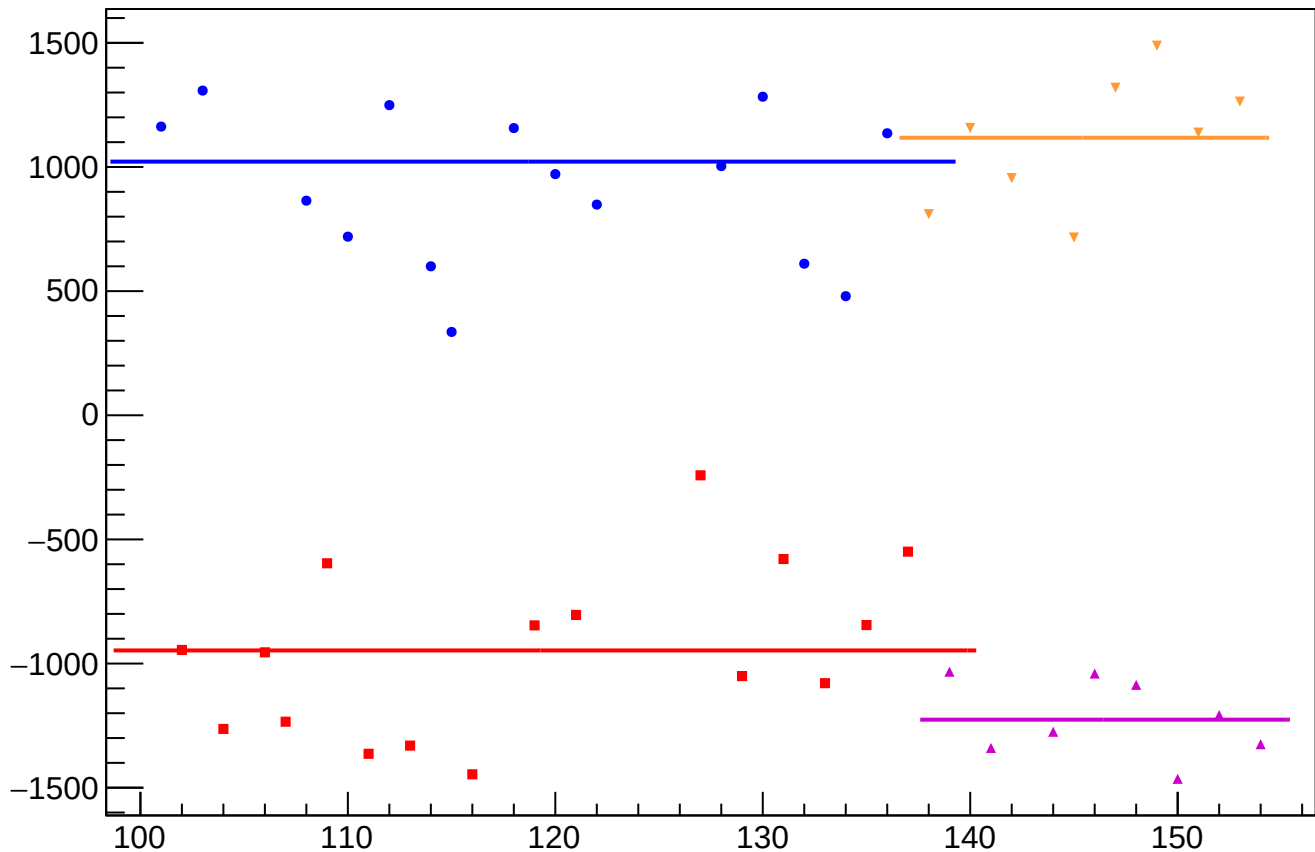
χ^2/NDF : 101448845479297603044152618126879490048.0/15

Left In: -633.936 +/- 0.000

χ^2/NDF : 655370665748030480665845046853500928.0/7

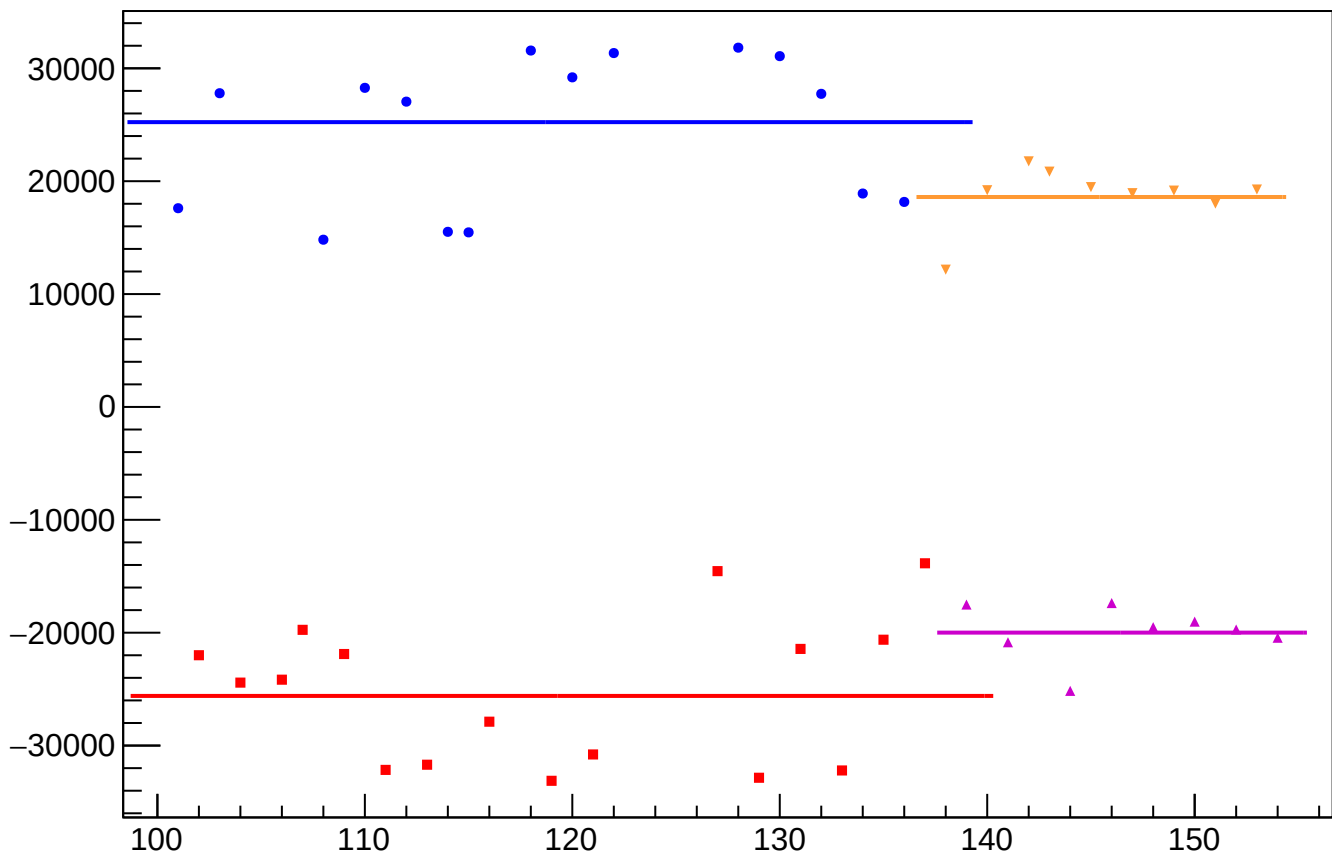
All: -38.841 +/- 0.000 χ^2/NDF : 119186787586

dit_usl_coil7_Ndata_mean vs Slug, Sign Corrected



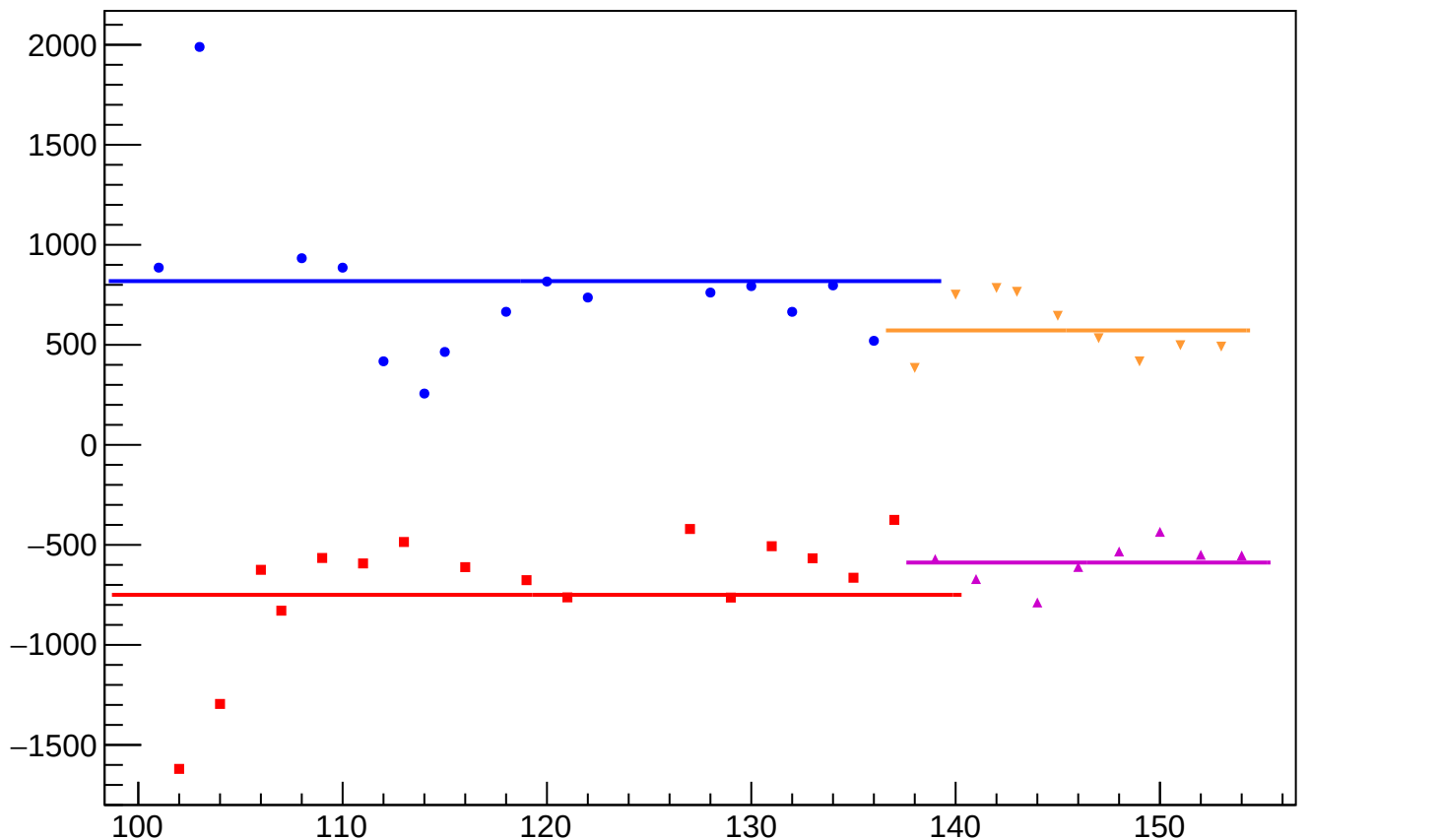
Right In: 1021.684 $\pm$ 0.000 χ^2 /NDF: 40493101470870278397836276403592495104.0/14
 Left Out: 1117.890 $\pm$ 0.000 χ^2 /NDF: 38368239145242929701423100245116452864.0/7
 Right Out: -947.145 $\pm$ 0.000 χ^2 /NDF: 67784656011936521511169668028018196480.0/15
 Left In: -1225.991 $\pm$ 0.000 χ^2 /NDF: 14916675602968721754329681431453761536.0/7
 All: -49.828 $\pm$ 0.000 χ^2 /NDF: 323003250208

dit_usr_coil7_mean vs Slug, Sign Corrected



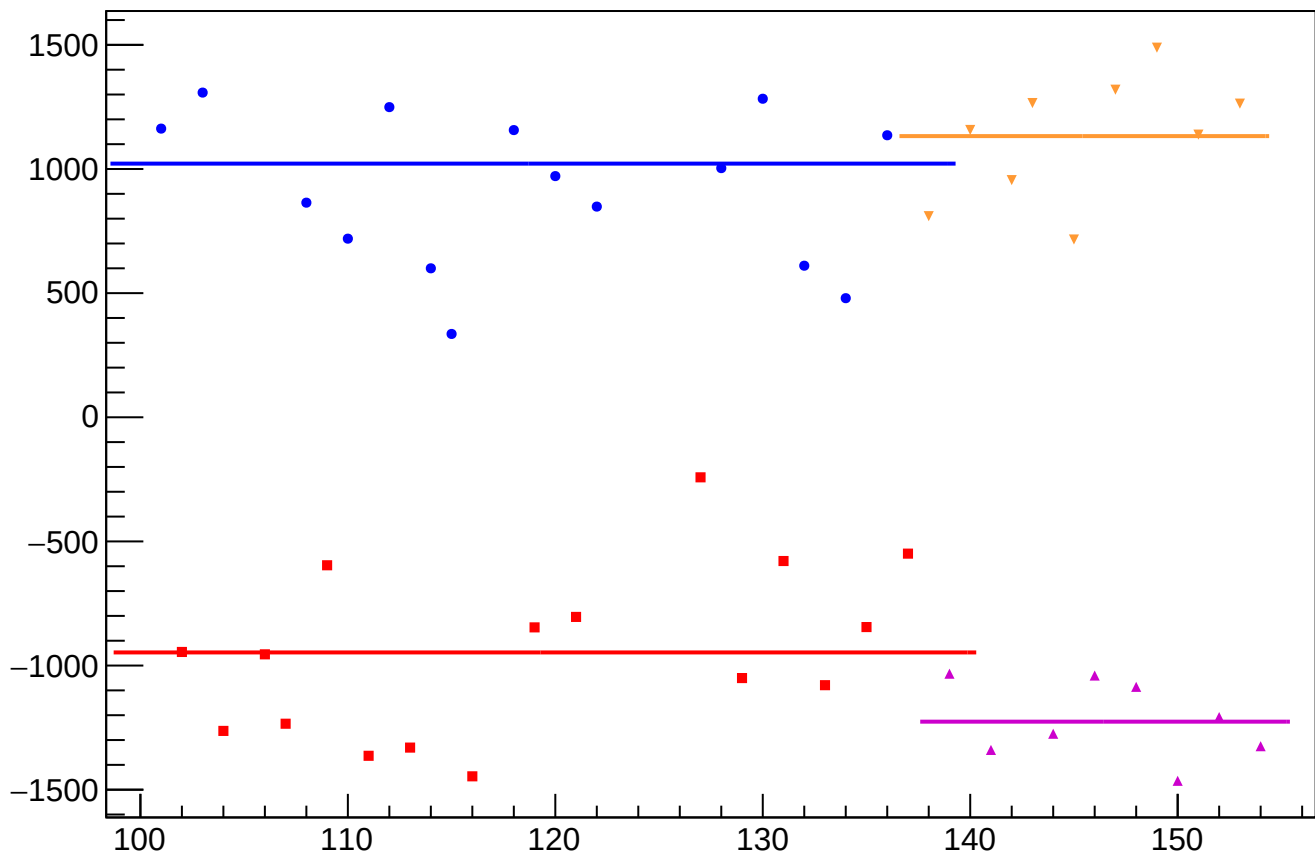
Right In: 25232.229+/-0.000 χ^2/NDF : 24534581974772031016304633863538632294400.0/14
 Left Out: 18598.753+/-0.000 χ^2/NDF : 4220486056035920979254350229385437511680.0/8
 Right Out: -25601.388+/-0.000 χ^2/NDF : 24359757587964510827650819847270483099648.0/15
 Left In: -19993.188+/-0.000 χ^2/NDF : 3632573034403085212765460815228480520192.0/7
 All: -695.401+/-0.000 χ^2/NDF : 14157600260

dit_usr_coil7_err_mean vs Slug, Sign Corrected



Right In: 818.668 $\pm$ 0.000 χ^2 /NDF: 105606527096911974489496802318373355520.0/14
 Left Out: 572.121 $\pm$ 0.000 χ^2 /NDF: 13471185619595681358170956836500406272.0/8
 Right Out: -749.661 $\pm$ 0.000 χ^2 /NDF: 77972691834605708706145461250669150208.0/15
 Left In: -588.292 $\pm$ 0.000 χ^2 /NDF: 6831871837212381391966761393030430720.0/7
 All: 5.164 $\pm$ 0.000 χ^2 /NDF: 14740090860811

dit_usr_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1132.494+/-0.000

Right Out: -947.145+/-0.000

Left In: -1225.991+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 39686876192496915858085858394832371712.0/8

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 14916675602968721754329681431453761536.0/7

Left: -56.238+/-0.000 χ^2/NDF : 1955448892103571

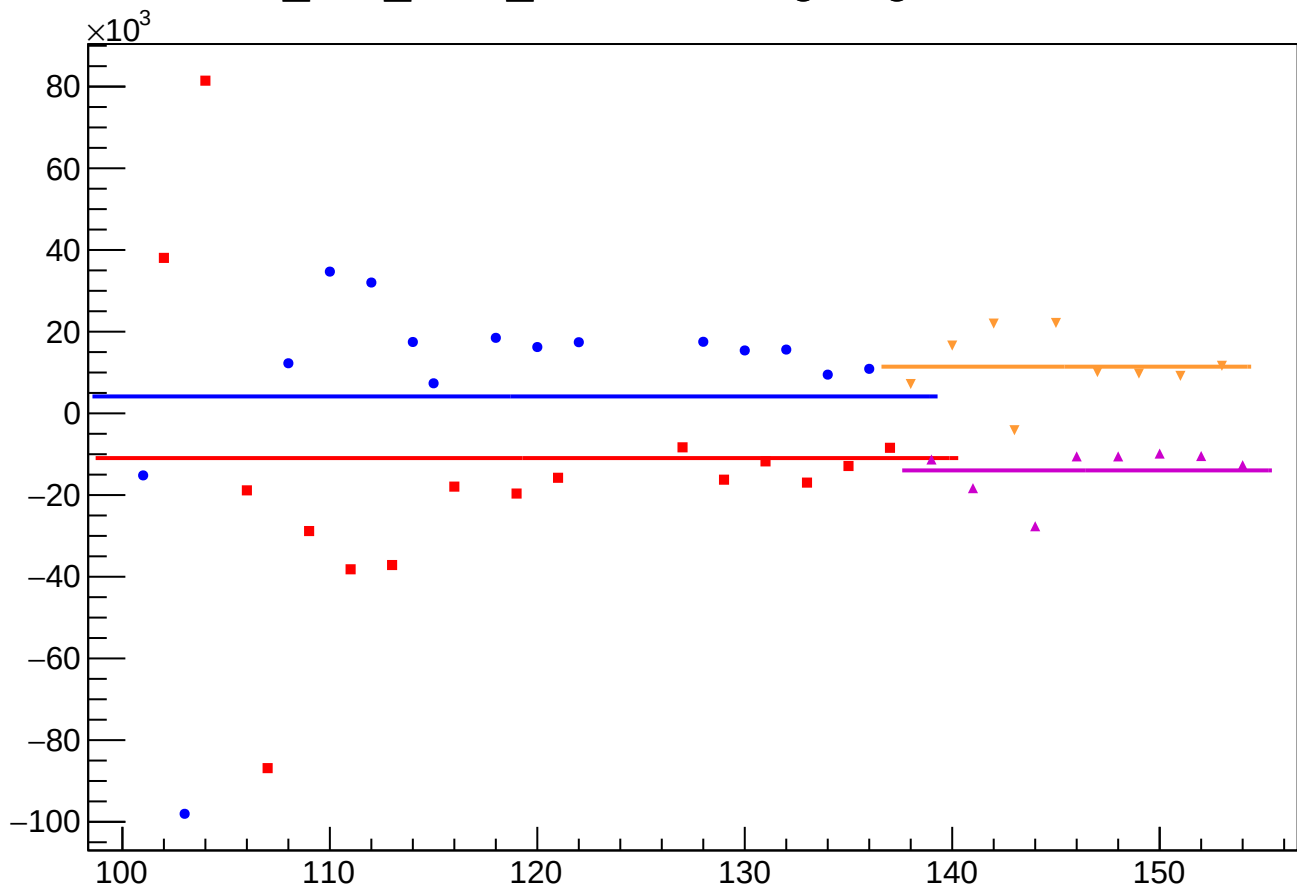
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -135.751+/-0.000 χ^2/NDF : 1743808435002872

Out: 101.178+/-0.000 χ^2/NDF : 1561622077009199

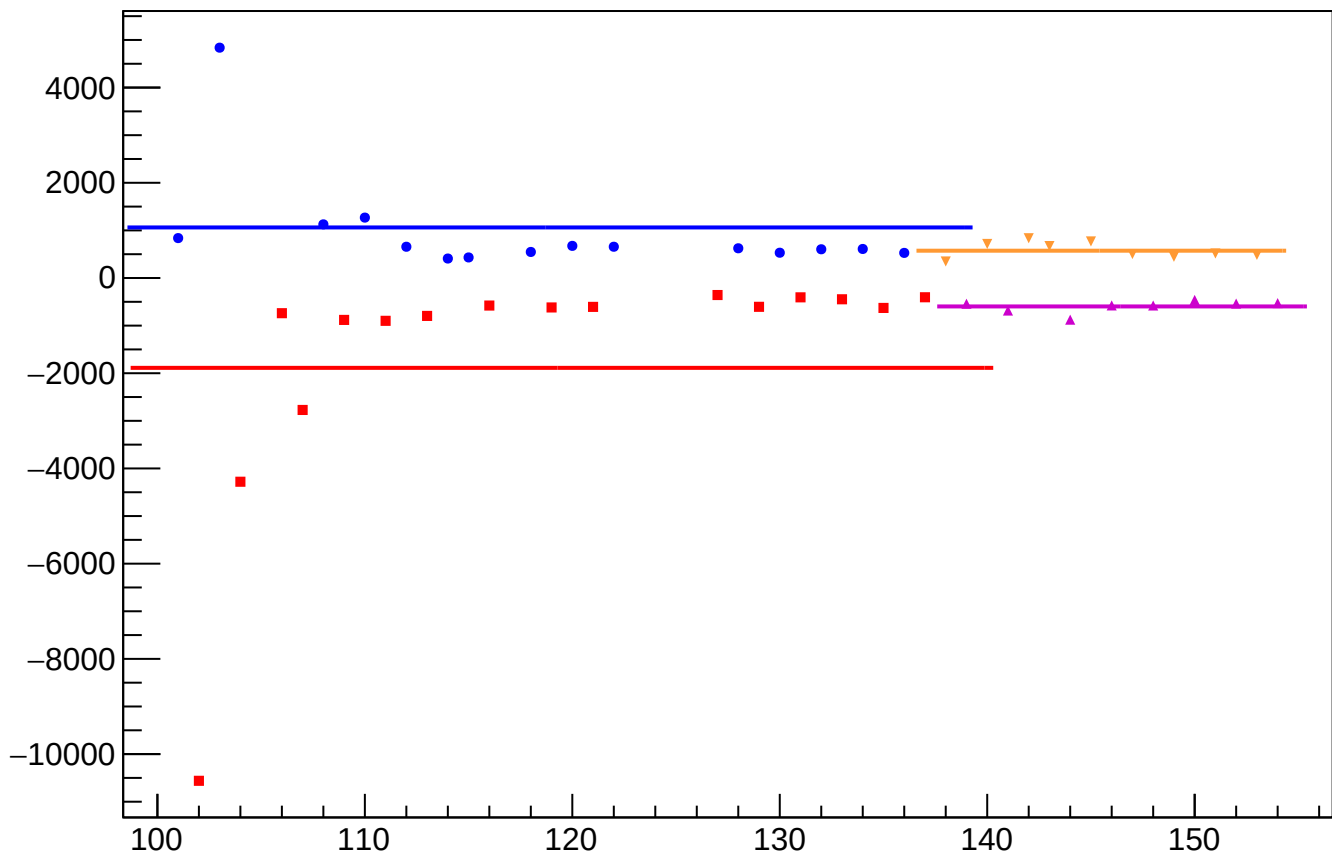
All: -16.977+/-0.000 χ^2/NDF : 334308322032

dit_atl1_coil7_mean vs Slug, Sign Corrected



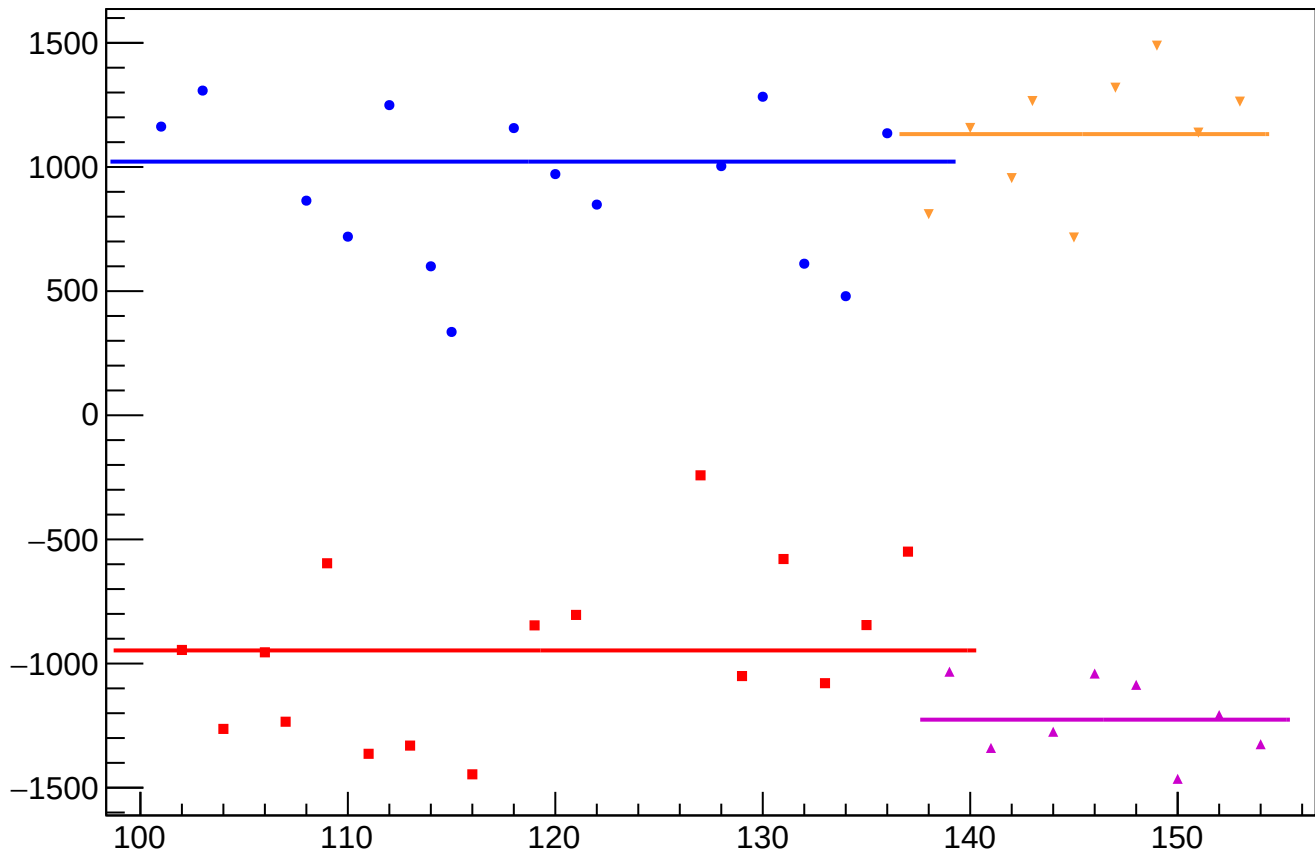
Right In: 4145.268+/-0.000 χ^2/NDF : 763693998395064689637972381933507648159744.0/14
 Left Out: 11431.881+/-0.000 χ^2/NDF : 34987914740774788447665203212514016362496.0/8
 Right Out: -10948.073+/-0.000 χ^2/NDF : 873949668510327201514601463115396191092736.0/15
 Left In: -13964.782+/-0.000 χ^2/NDF : 2355735300228359582311693875939544924160.0/7
 All: -2416.327+/-0.000 χ^2/NDF : 1994594448

dit_atl1_coil7_err_mean vs Slug, Sign Corrected



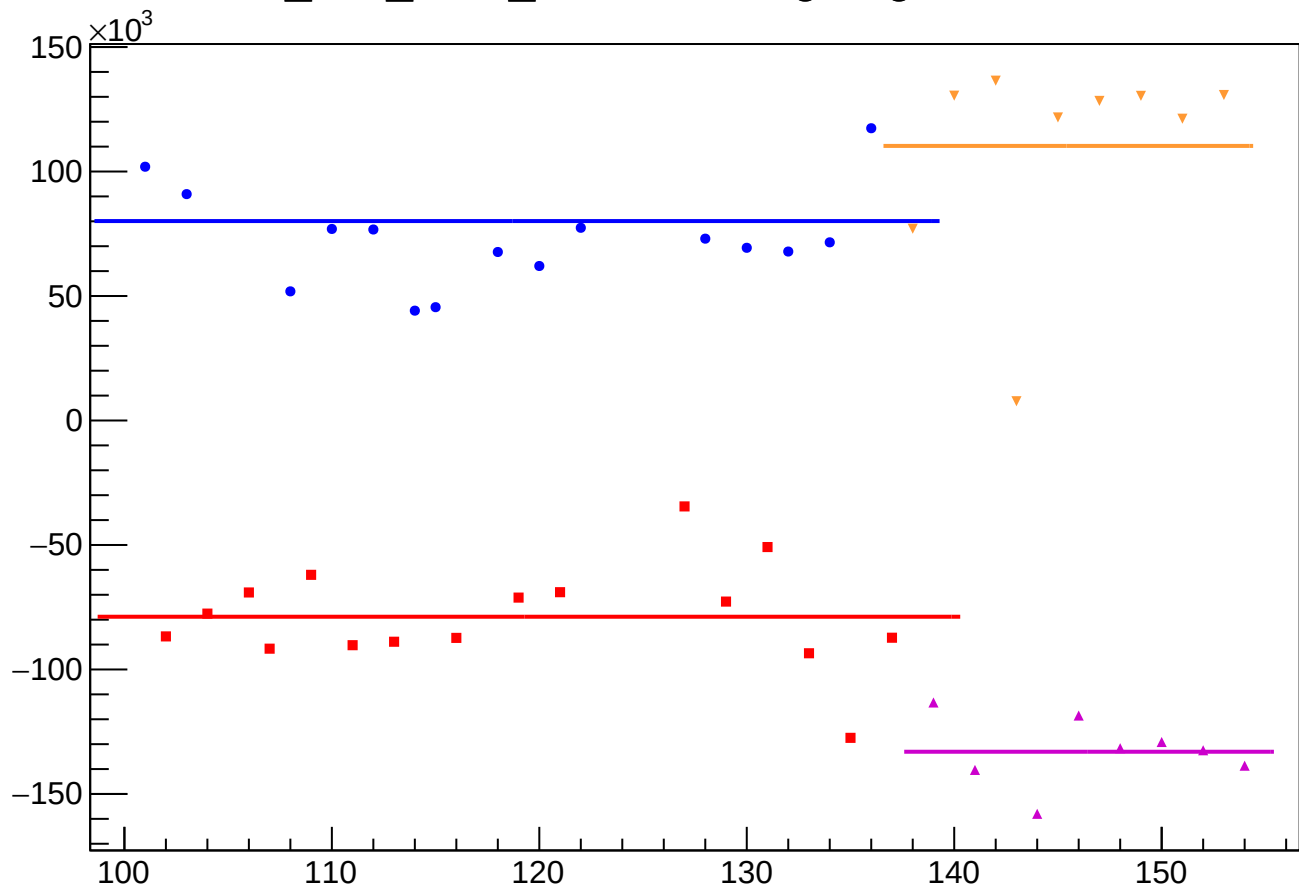
Right In: 1062.141+/-0.000 χ^2/NDF : 952806231926530012715872184655778152448.0/14
 Left Out: 573.610+/-0.000 χ^2/NDF : 15201872411056086926209093267437387776.0/8
 Right Out: -1887.077+/-0.000 χ^2/NDF : 5525872718363845620366029387569058283520.0/15
 Left In: -597.079+/-0.000 χ^2/NDF : 10298448800925738934741608462922285056.0/7
 All: -220.585+/-0.000 χ^2/NDF : 99497333974

dit_atl1_coil7_Ndata_mean vs Slug, Sign Corrected



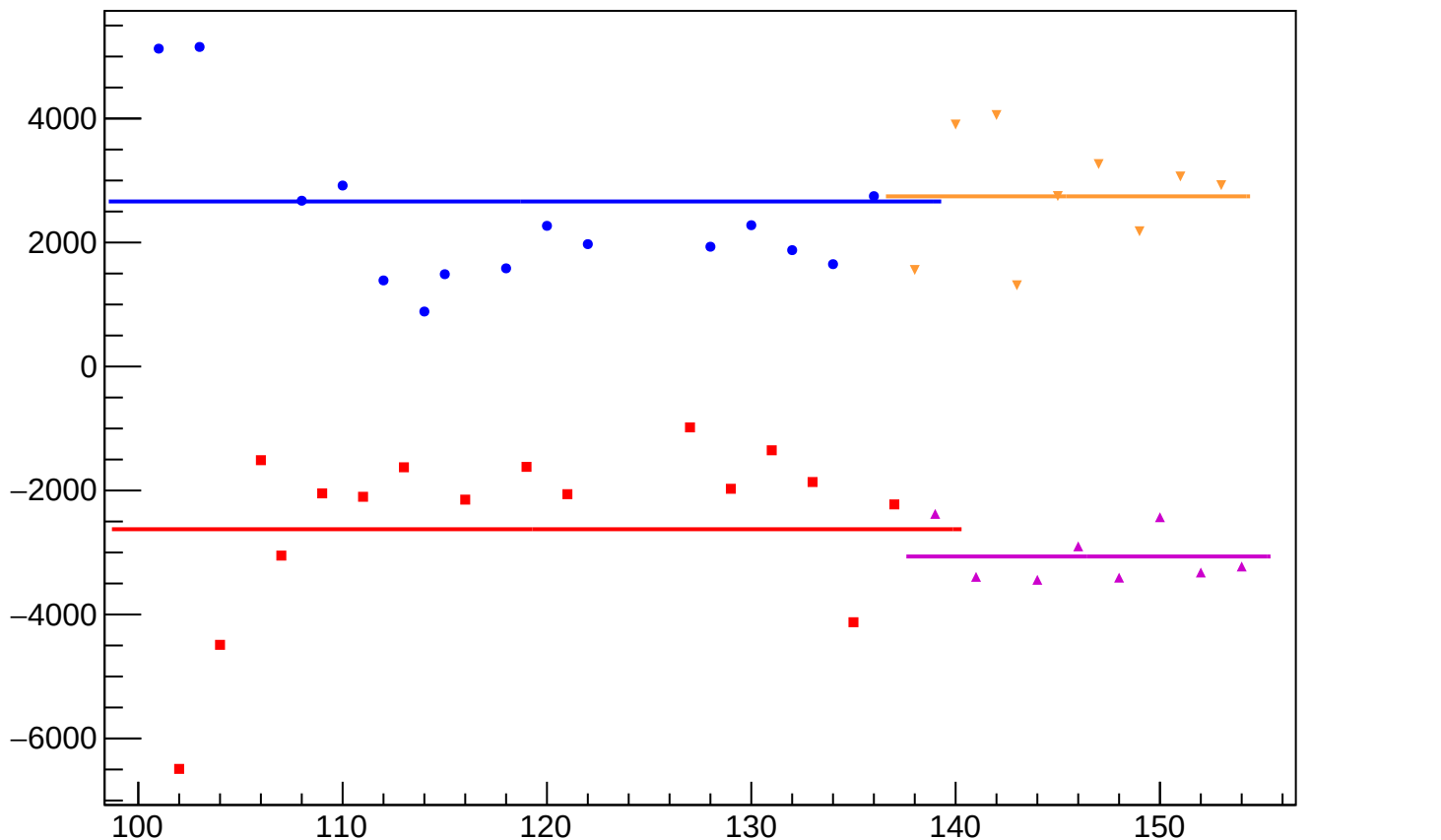
Right In: 1021.684+/-0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Left Out: 1132.494+/-0.000 χ^2/NDF : 39686876192496915858085858394832371712.0/8
 Right Out: -947.145+/-0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Left In: -1225.991+/-0.000 χ^2/NDF : 14916675602968721754329681431453761536.0/7
 All: -16.977+/-0.000 χ^2/NDF : 334308322032

dit_atl2_coil7_mean vs Slug, Sign Corrected



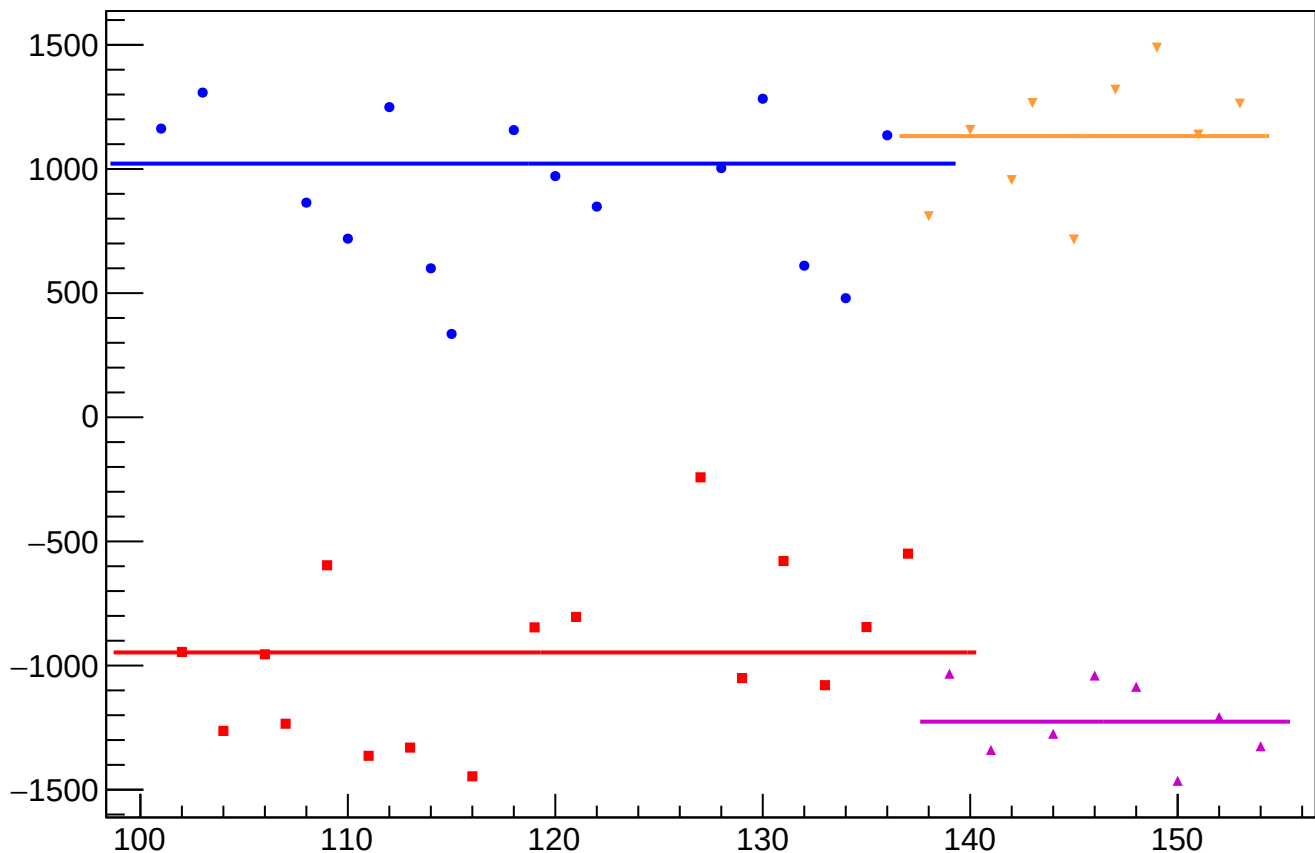
Right In: 80102.504+/-0.000 χ^2/NDF : 254521784097258654723607522631742465769472.0/14
 Left Out: 110285.946+/-0.000 χ^2/NDF : 970688684838907909025741450899365950390272.0/8
 Right Out: -78815.832+/-0.000 χ^2/NDF : 286076919217811099434470442231998185472000.0/15
 Left In: -133043.452+/-0.000 χ^2/NDF : 113449286631843654476480300958851790798848.0/7
 All: -6513.866+/-0.000 χ^2/NDF : 3026070072

dit_atl2_coil7_err_mean vs Slug, Sign Corrected



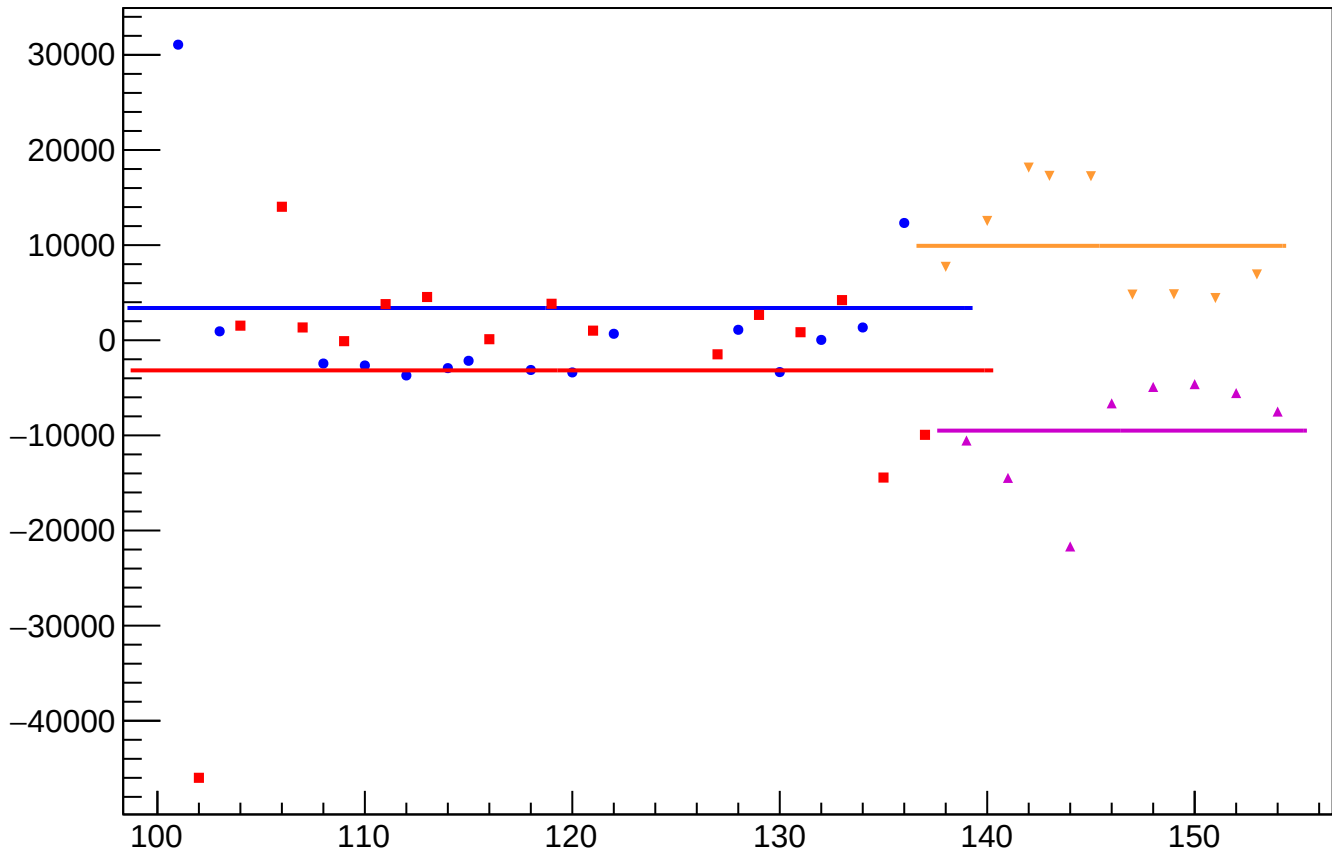
Right In: 2662.183+/-0.000 χ^2/NDF : 1031389230165640157864439705583367487488.0/14
 Left Out: 2744.731+/-0.000 χ^2/NDF : 495492136986565333164813405380461723648.0/8
 Right Out: -2624.696+/-0.000 χ^2/NDF : 1566705216866534713590934835660406652928.0/15
 Left In: -3064.200+/-0.000 χ^2/NDF : 116676543284157332172250182720969244672.0/7
 All: -101.834+/-0.000 χ^2/NDF : 23954017056

dit_atl2_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Left Out: 1132.494+/-0.000 χ^2/NDF : 39686876192496915858085858394832371712.0/8
 Right Out: -947.145+/-0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Left In: -1225.991+/-0.000 χ^2/NDF : 14916675602968721754329681431453761536.0/7
 All: -16.977+/-0.000 χ^2/NDF : 334308322032

dit_atr1_coil7_mean vs Slug, Sign Corrected



Right In: 3390.550+/-0.000

χ^2/NDF : 65871927441553256724179194556280173756416.0/14

Left Out: 9926.183+/-0.000

χ^2/NDF : 19325281119906290448719911668570543620096.0/8

Right Out: -3167.396+/-0.000

χ^2/NDF : 137753886677241144460462531881687568089088.0/15

Left In: -9498.829+/-0.000

χ^2/NDF : 21722946080460047868924421605326569078784.0/7

Left: 135.522+/-0.000 χ^2/NDF : 1699927819306269

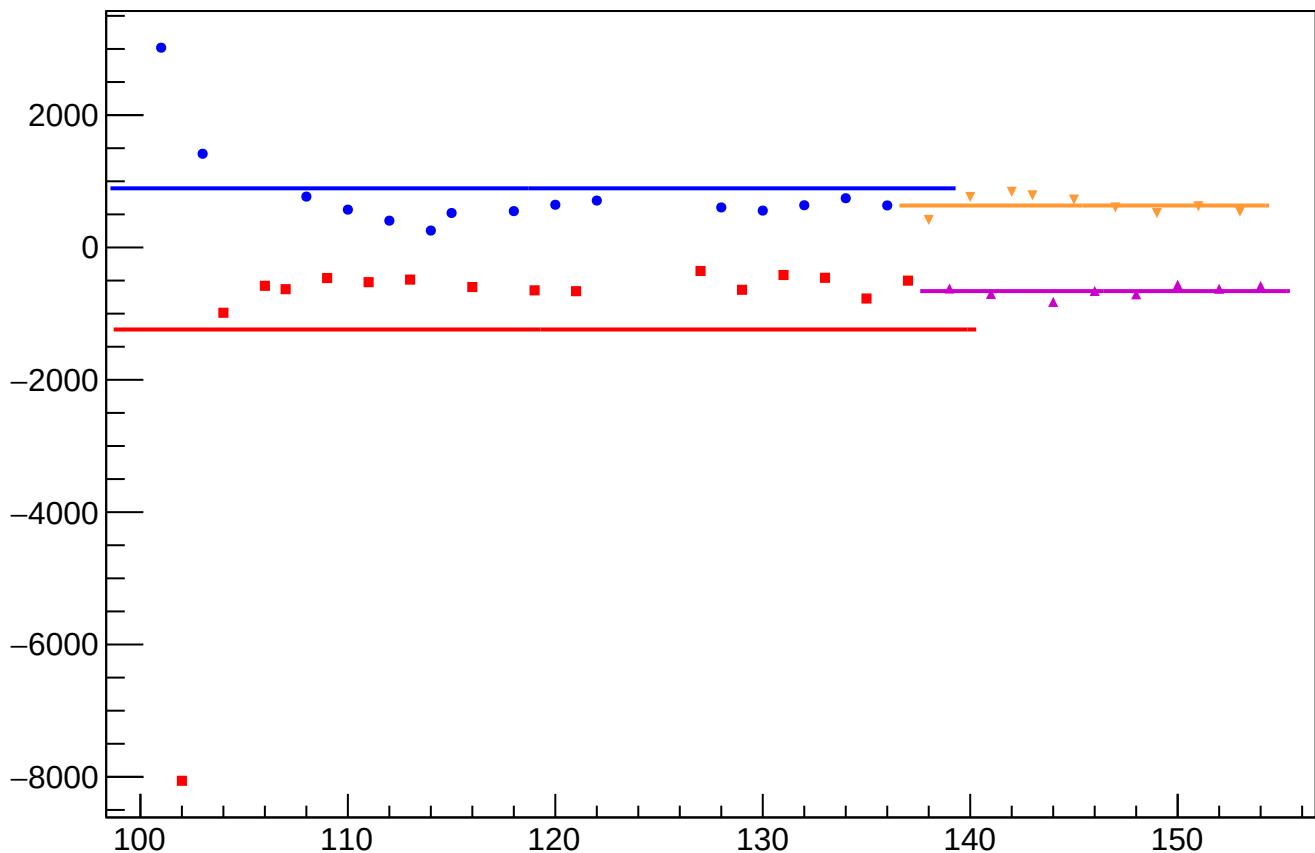
Right: 66.728+/-0.000 χ^2/NDF : 2177723560844725

In: -3246.806+/-0.000 χ^2/NDF : 143117730078974

Out: 3432.936+/-0.000 χ^2/NDF : 214722621104870

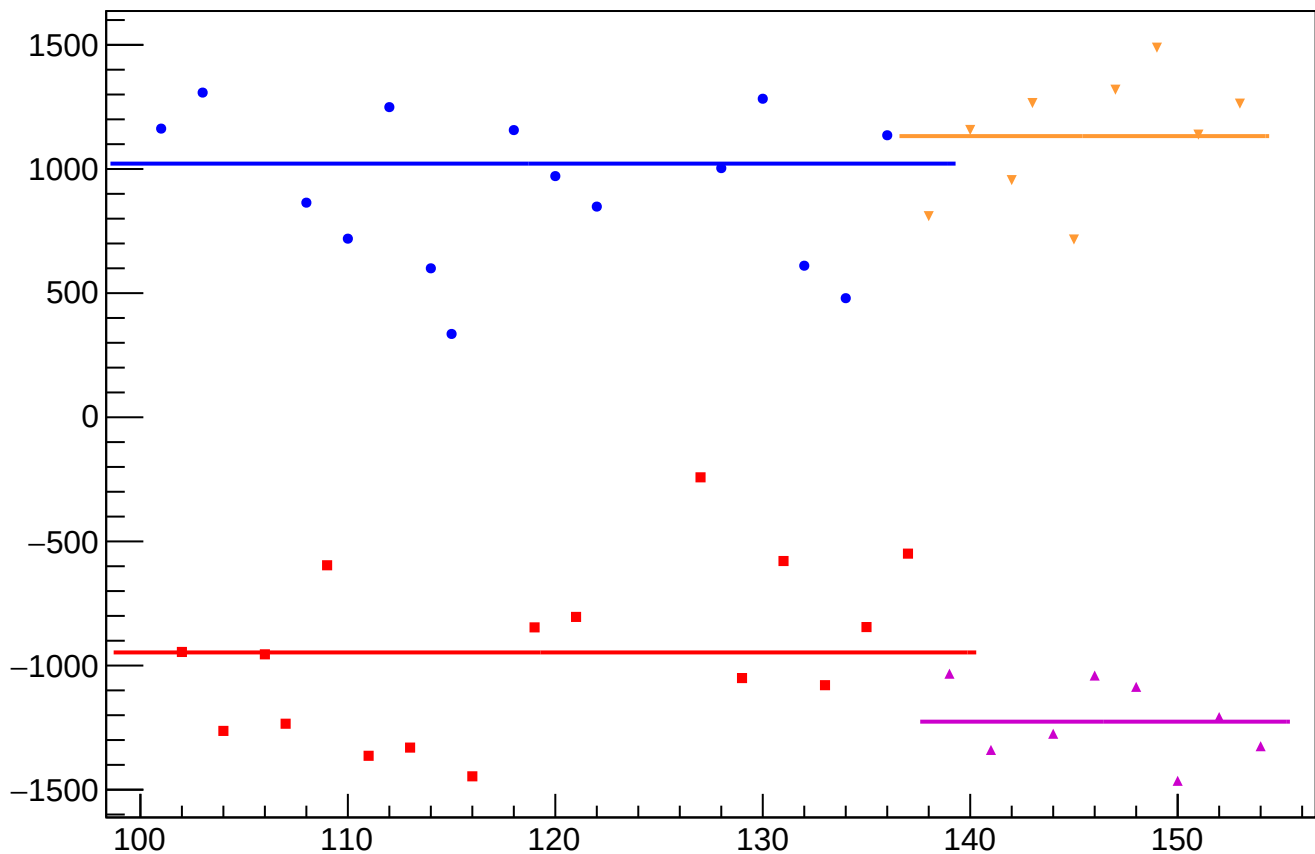
All: 101.779+/-0.000 χ^2/NDF : 387768311303

dit_atr1_coil7_err_mean vs Slug, Sign Corrected



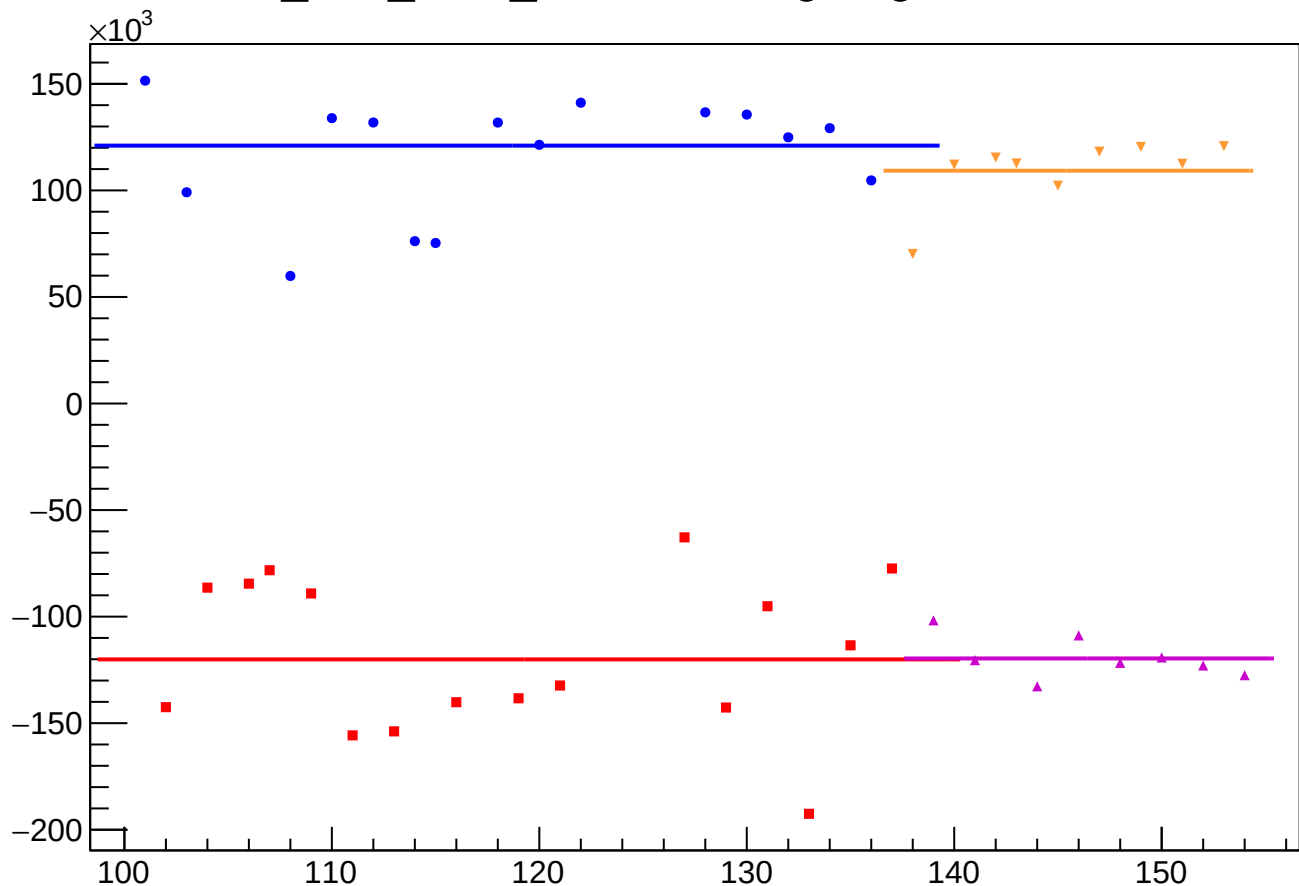
Right In: 893.683+/-0.000 χ^2/NDF : 334583619078631008932404228227359309824.0/14
 Left Out: 633.859+/-0.000 χ^2/NDF : 11221872146504084106379686526534549504.0/8
 Right Out: -1239.298+/-0.000 χ^2/NDF : 2970990859486483990408108918937565003776.0/15
 Left In: -659.319+/-0.000 χ^2/NDF : 4336691008026220857527501513702768640.0/7
 All: -101.053+/-0.000 χ^2/NDF : 54084040730

dit_atr1_coil7_Ndata_mean vs Slug, Sign Corrected



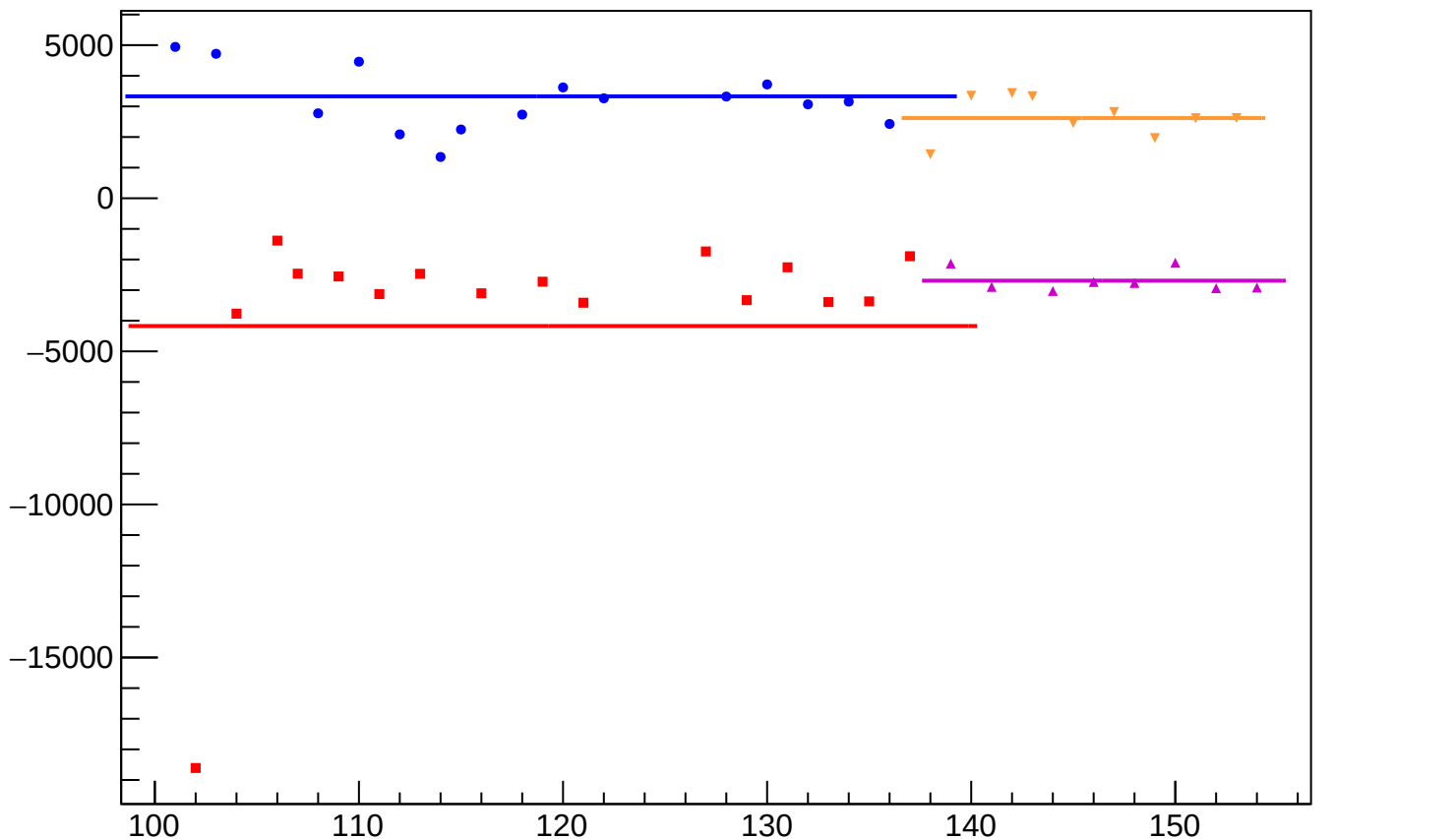
Right In: 1021.684 ± 0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Left Out: 1132.494 ± 0.000 χ^2/NDF : 39686876192496915858085858394832371712.0/8
 Right Out: -947.145 ± 0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Left In: -1225.991 ± 0.000 χ^2/NDF : 14916675602968721754329681431453761536.0/7
 All: -16.977 ± 0.000 χ^2/NDF : 334308322032

dit_atr2_coil7_mean vs Slug, Sign Corrected



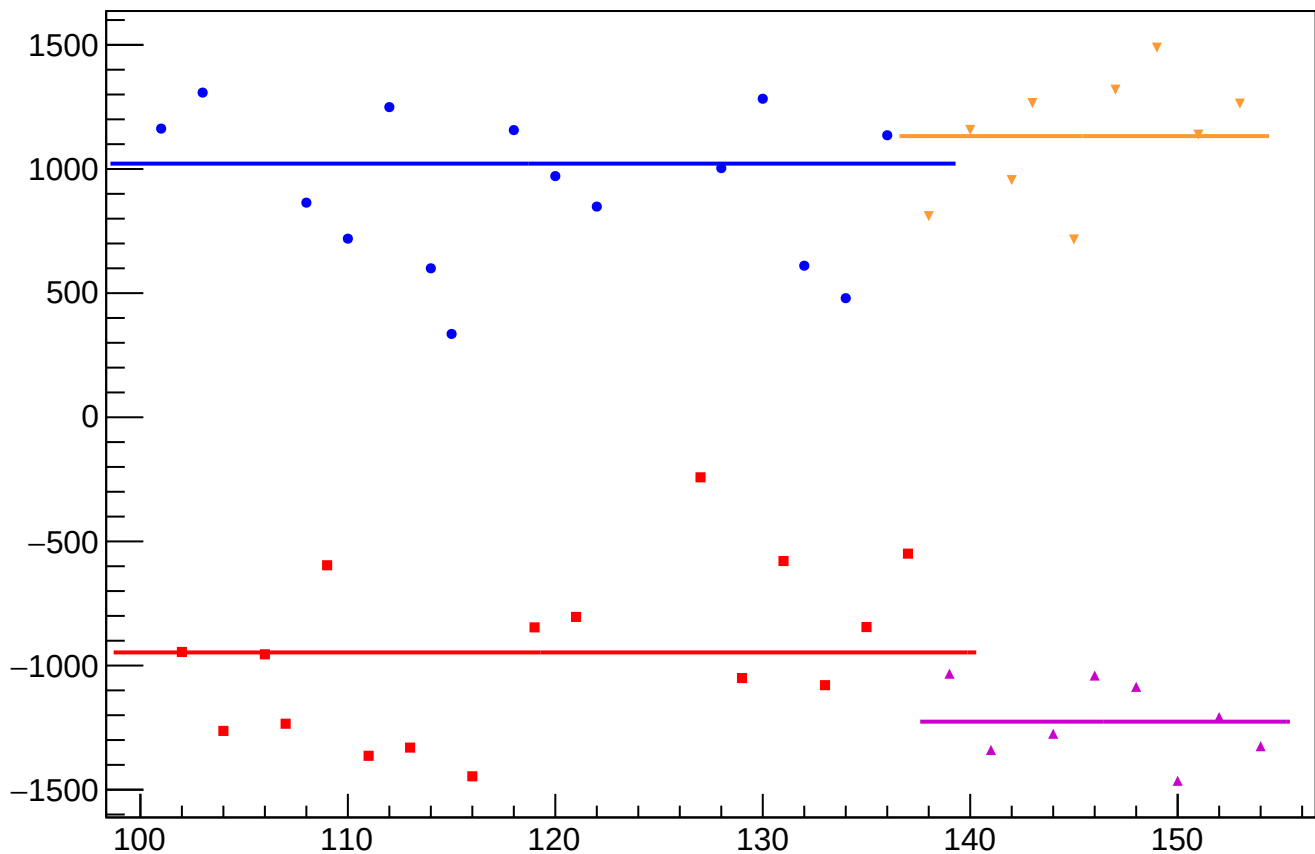
Right In: 121016.482 $\pm$ 0.000 χ^2 /NDF: 358713856404303554987784975983609668173824.0/14
 Left Out: 109246.949 $\pm$ 0.000 χ^2 /NDF: 155090402268060580992948862550668449153024.0/8
 Right Out: -120060.693 $\pm$ 0.000 χ^2 /NDF: 828419782346707601448620310014135952736256.0/15
 Left In: -119629.955 $\pm$ 0.000 χ^2 /NDF: 57703305641263858646650204291068661334016.0/7
 All: -3688.555 $\pm$ 0.000 χ^2 /NDF: 3843490304

dit_atr2_coil7_err_mean vs Slug, Sign Corrected



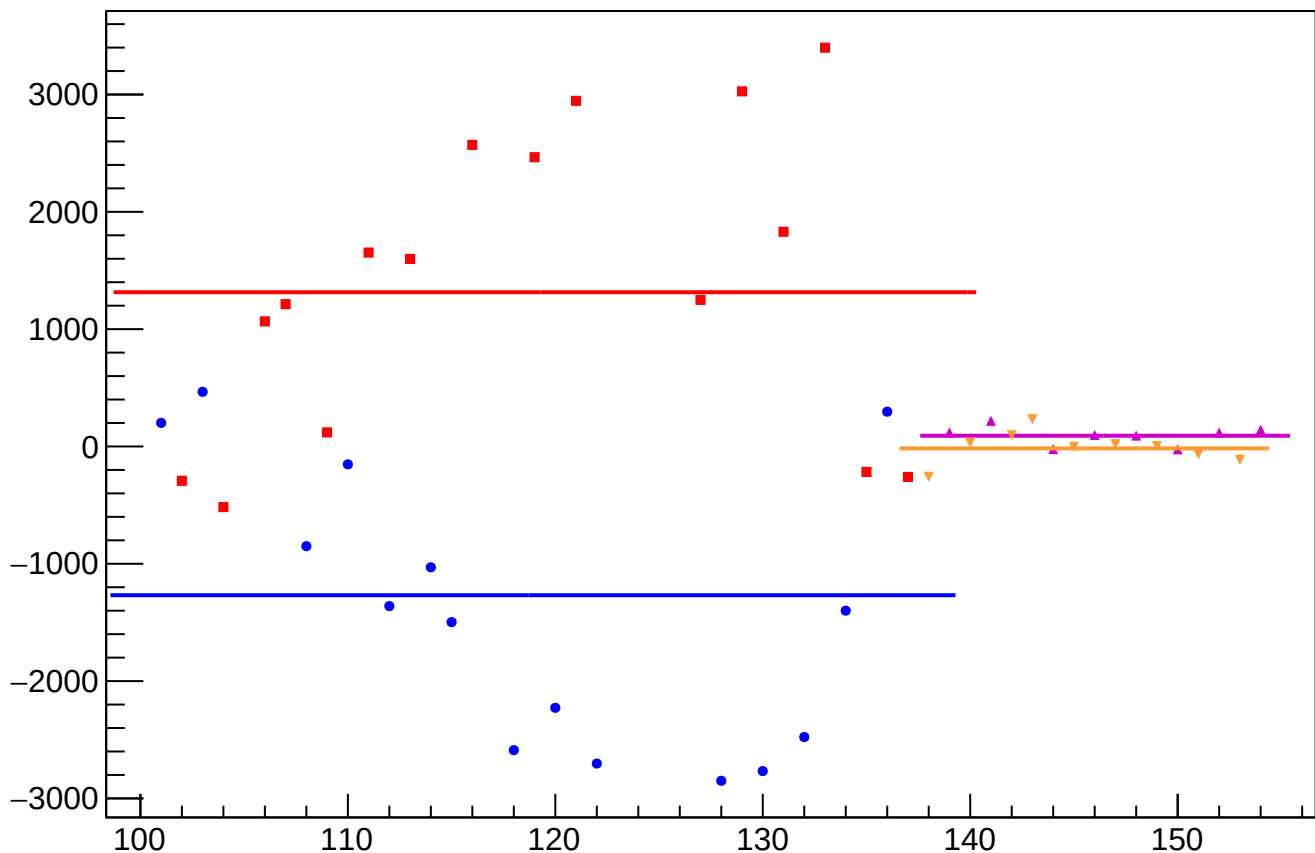
Right In: 3329.488+/-0.000 χ^2/NDF : 567034774398456376227526824513721335808.0/14
 Left Out: 2618.887+/-0.000 χ^2/NDF : 258955809626170918955237243632933142528.0/8
 Right Out: -4173.434+/-0.000 χ^2/NDF : 13498246551537992400095003154682468106240.0/15
 Left In: -2691.648+/-0.000 χ^2/NDF : 80363649981833578618579675608780898304.0/7
 All: -261.566+/-0.000 χ^2/NDF : 42674915812

dit_atr2_coil7_Ndata_mean vs Slug, Sign Corrected



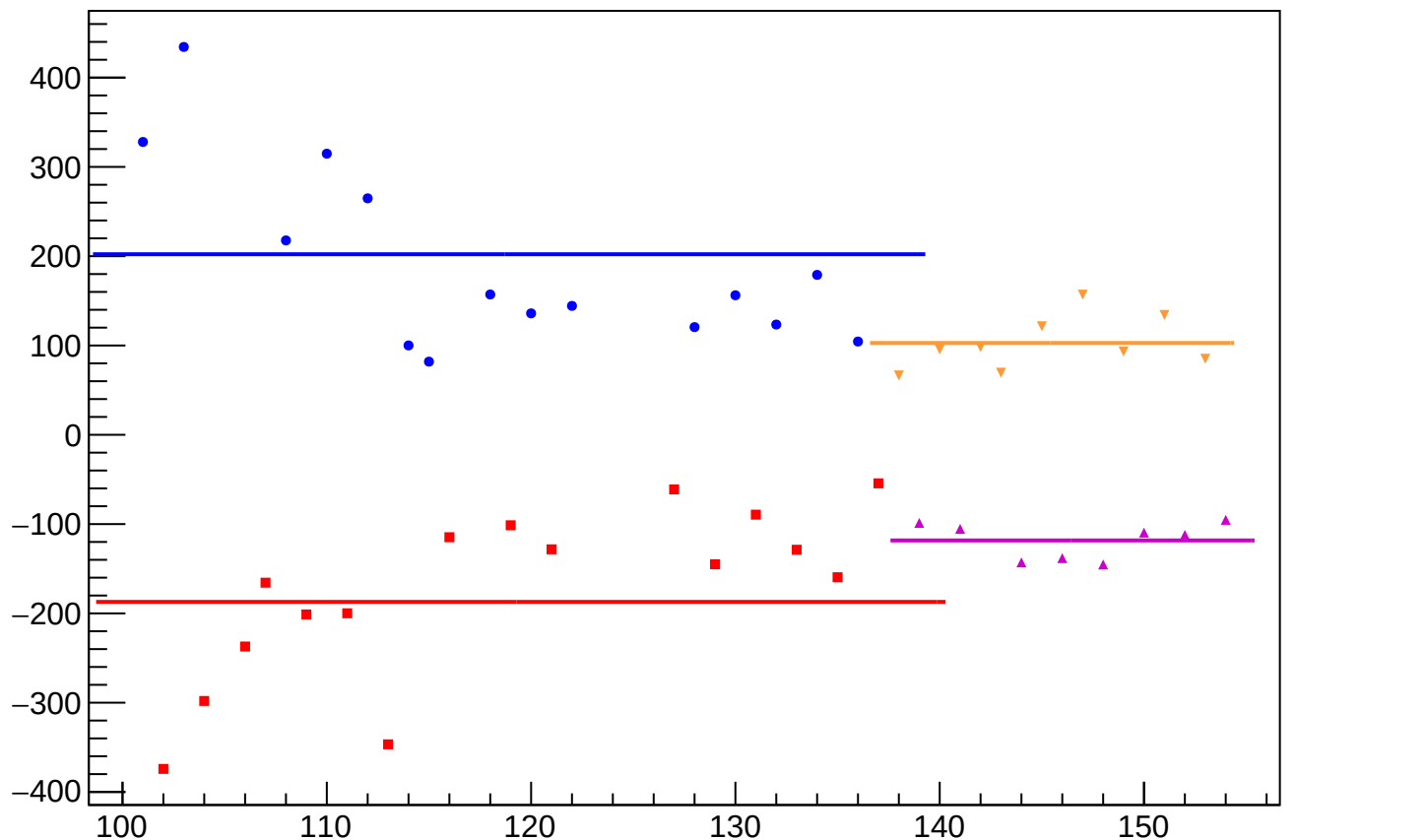
Right In: 1021.684+/-0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Left Out: 1132.494+/-0.000 χ^2/NDF : 39686876192496915858085858394832371712.0/8
 Right Out: -947.145+/-0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Left In: -1225.991+/-0.000 χ^2/NDF : 14916675602968721754329681431453761536.0/7
 All: -16.977+/-0.000 χ^2/NDF : 334308322032

dit_sam1_coil7_mean vs Slug, Sign Corrected



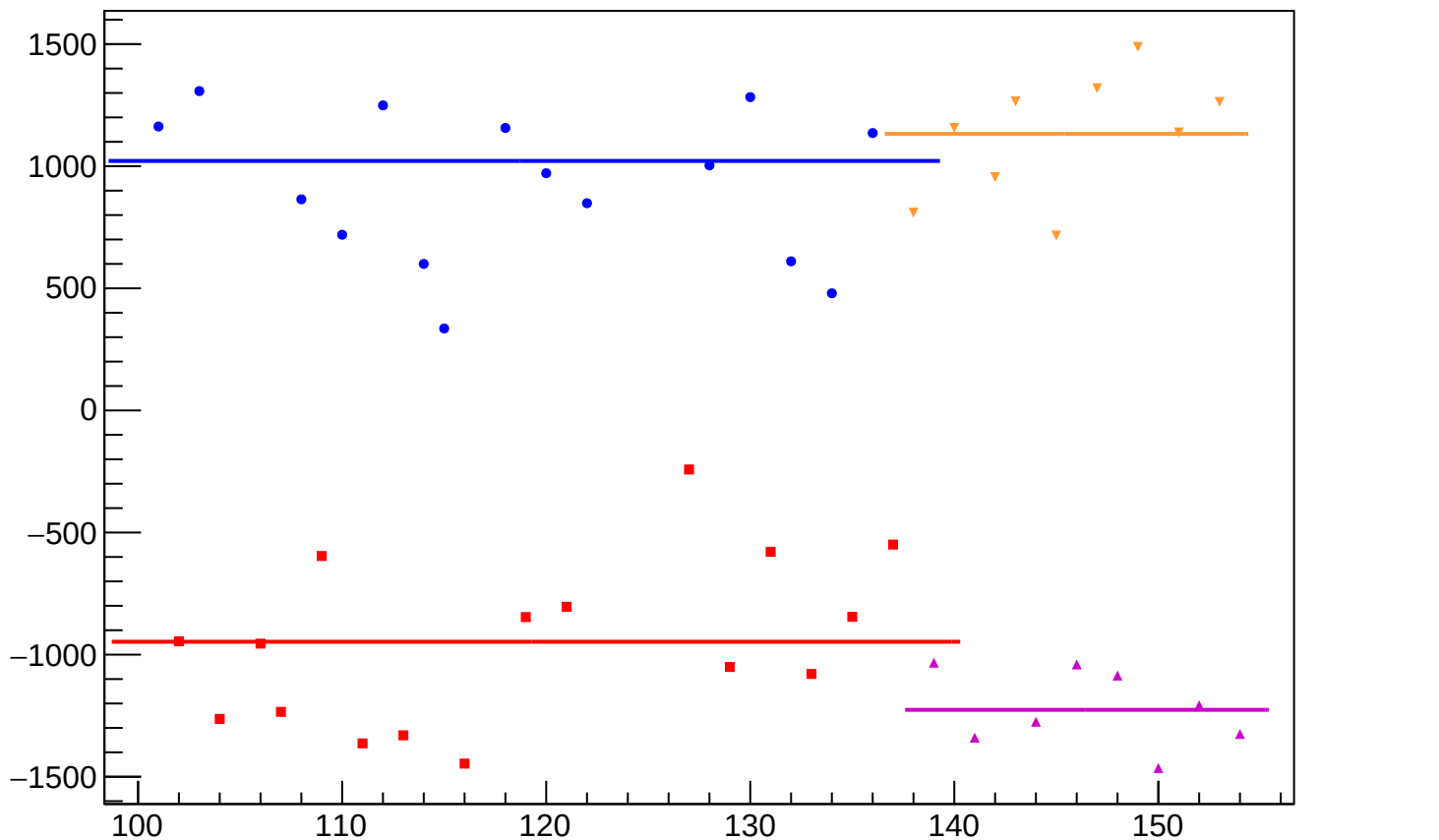
Left: 38.177+/-0.000 χ^2/NDF : 18739065435198578
 Right In: -1268.061+/-0.000 χ^2/NDF : 1092280760288833856070470490800647045120.0/14
 Right: 41.017+/-0.000 χ^2/NDF : 4385100658196815
 Left Out: -16.195+/-0.000 χ^2/NDF : 10637150927669533629572872289396981760.0/8
 In: -567.864+/-0.000 χ^2/NDF : 1714309715176940
 Right Out: 1314.767+/-0.000 χ^2/NDF : 1098471313864079013714609379653260935168.0/15
 Out: 643.844+/-0.000 χ^2/NDF : 1704722308656498
 Left In: 91.682+/-0.000 χ^2/NDF : 4125116408881259843751030315397677056.0/7
 All: 39.570+/-0.000 χ^2/NDF : 4403845130960

dit_sam1_coil7_err_mean vs Slug, Sign Corrected



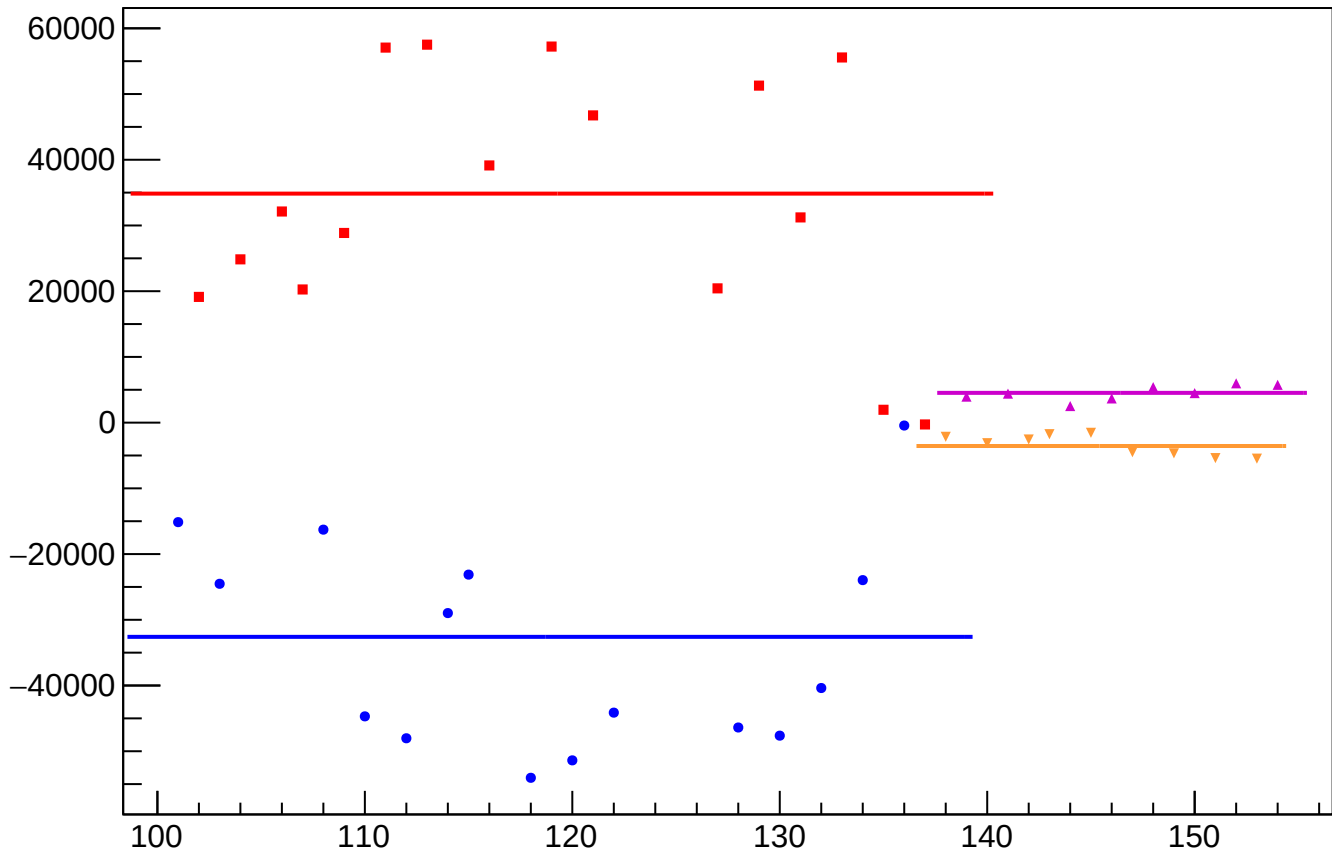
Left: -8.639+/-0.000 χ^2/NDF : 17505119467091237
 Right In: 202.191+/-0.000 χ^2/NDF : 7027941052752849066369040650615128064.0/14
 Right: 4.870+/-0.000 χ^2/NDF : 63114316335759506
 Left Out: 102.800+/-0.000 χ^2/NDF : 549432881513606320127951824828235776.0/8
 In: 37.156+/-0.000 χ^2/NDF : 41605346517536978
 Right Out: -187.126+/-0.000 χ^2/NDF : 6230029491605524746936515809941389312.0/15
 Out: -40.977+/-0.000 χ^2/NDF : 3504168727025585
 Left In: -118.298+/-0.000 χ^2/NDF : 250552451341290168456116188638871552.0/7
 All: -2.013+/-0.000 χ^2/NDF : 8074179444617

dit_sam1_coil7_Ndata_mean vs Slug, Sign Corrected



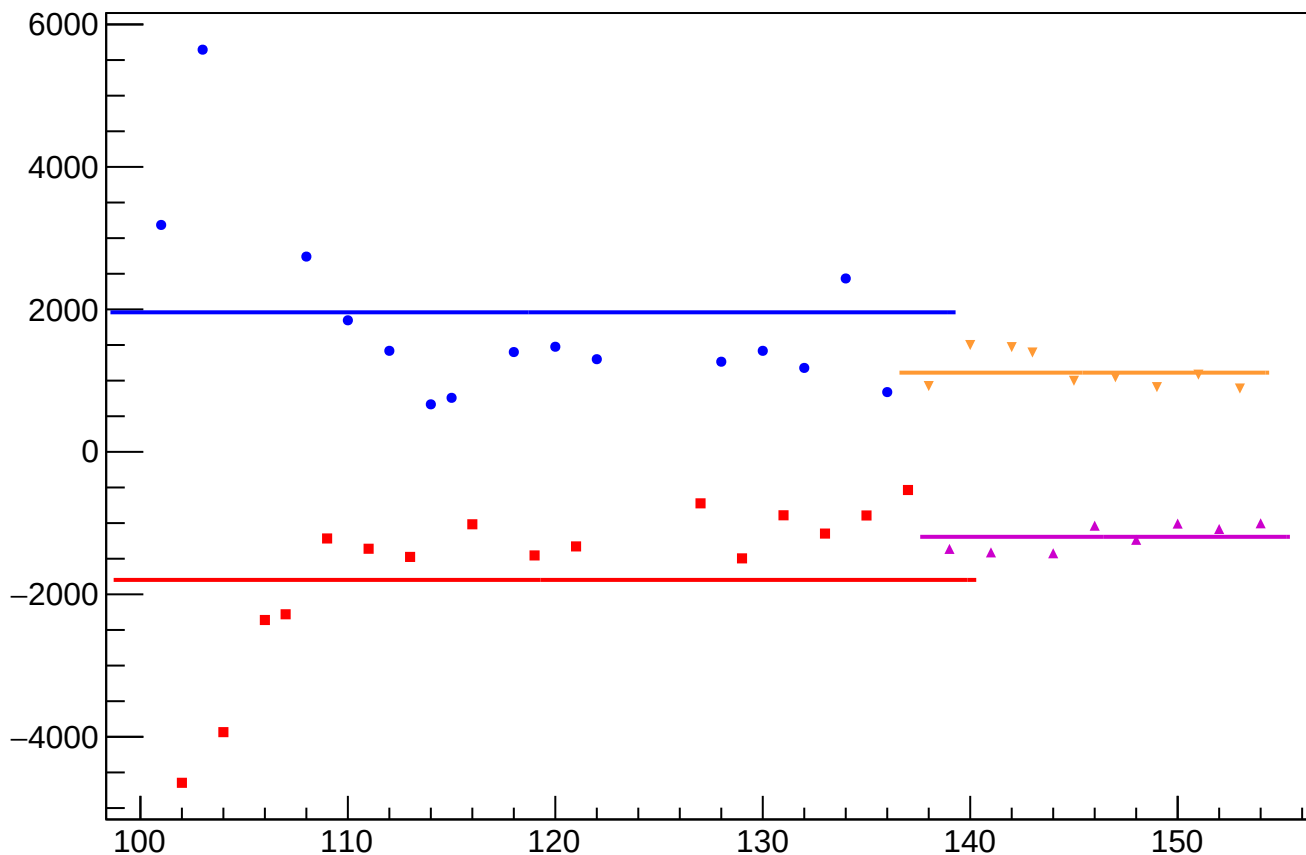
Right In: 1021.684+/-0.000	χ^2/NDF : 40493101470870278397836276403592495104.0/14	Left: -56.238+/-0.000	χ^2/NDF : 1955448892103571
Left Out: 1132.494+/-0.000	χ^2/NDF : 39686876192496915858085858394832371712.0/8	Right: 23.805+/-0.000	χ^2/NDF : 1383338523153511
Right Out: -947.145+/-0.000	χ^2/NDF : 67784656011936521511169668028018196480.0/15	In: -135.751+/-0.000	χ^2/NDF : 1743808435002872
Left In: -1225.991+/-0.000	χ^2/NDF : 14916675602968721754329681431453761536.0/7	Out: 101.178+/-0.000	χ^2/NDF : 1561622077009199
	All: -16.977+/-0.000	χ^2/NDF : 334308322032	

dit_sam2_coil7_mean vs Slug, Sign Corrected



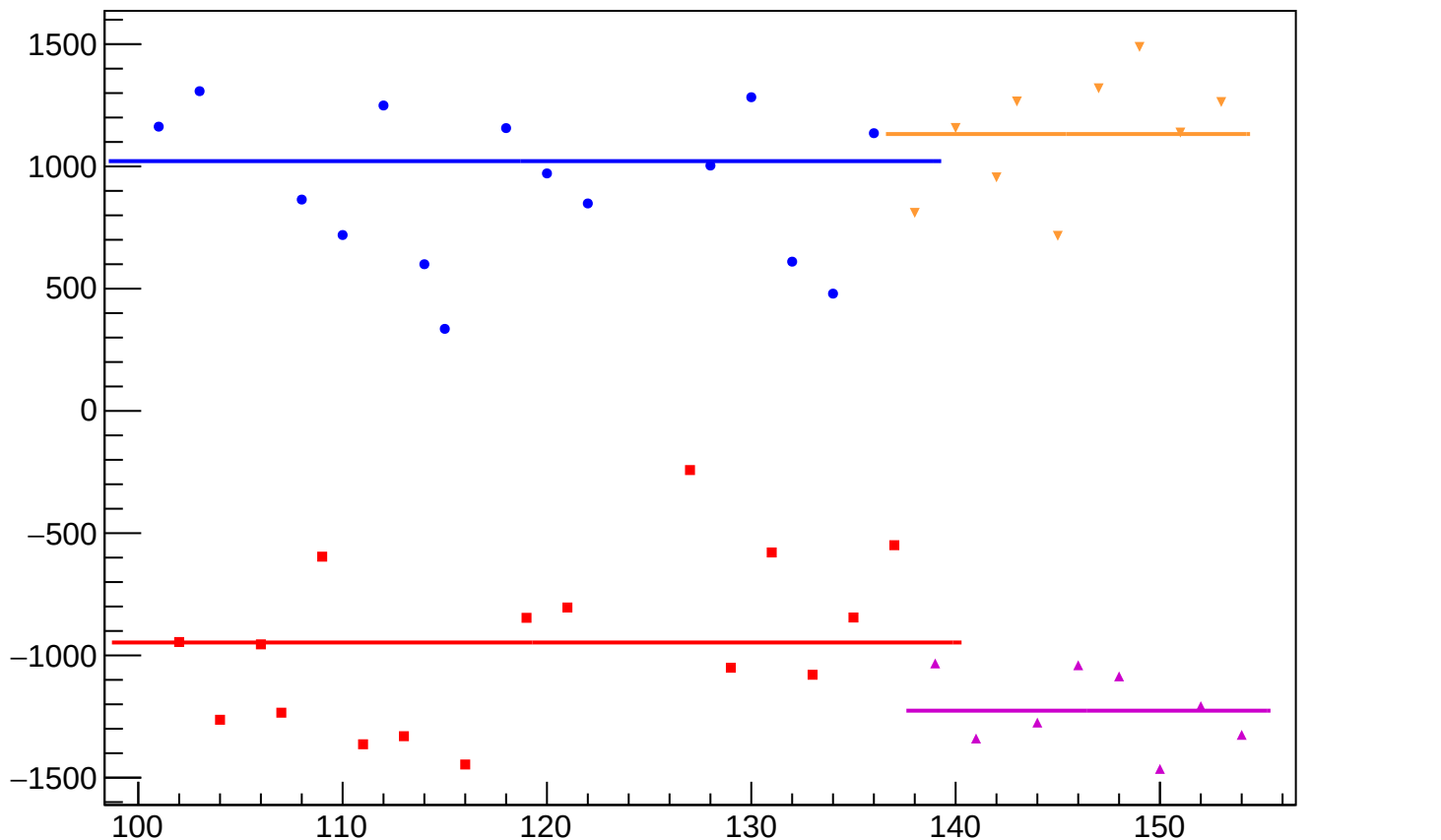
Left: 520.273+/-0.000 χ^2/NDF : 2467615979042182
 Right In: -32594.962+/-0.000 χ^2/NDF : 209150369207000564489724529020922520141824.0/14
 Right: 1587.778+/-0.000 χ^2/NDF : 19264741132603
 Left Out: -3555.295+/-0.000 χ^2/NDF : 1505237586009712903764234279882042900480.0/8
 In: -13477.150+/-0.000 χ^2/NDF : 67061365468182
 Right Out: 34848.046+/-0.000 χ^2/NDF : 221127702024811719232559434097324967591936.0/15
 Out: 15489.336+/-0.000 χ^2/NDF : 71850685602136
 Left In: 4530.774+/-0.000 χ^2/NDF : 827210194779501335013358944537160974336.0/7
 All: 1043.880+/-0.000 χ^2/NDF : 19519143620

dit_sam2_coil7_err_mean vs Slug, Sign Corrected



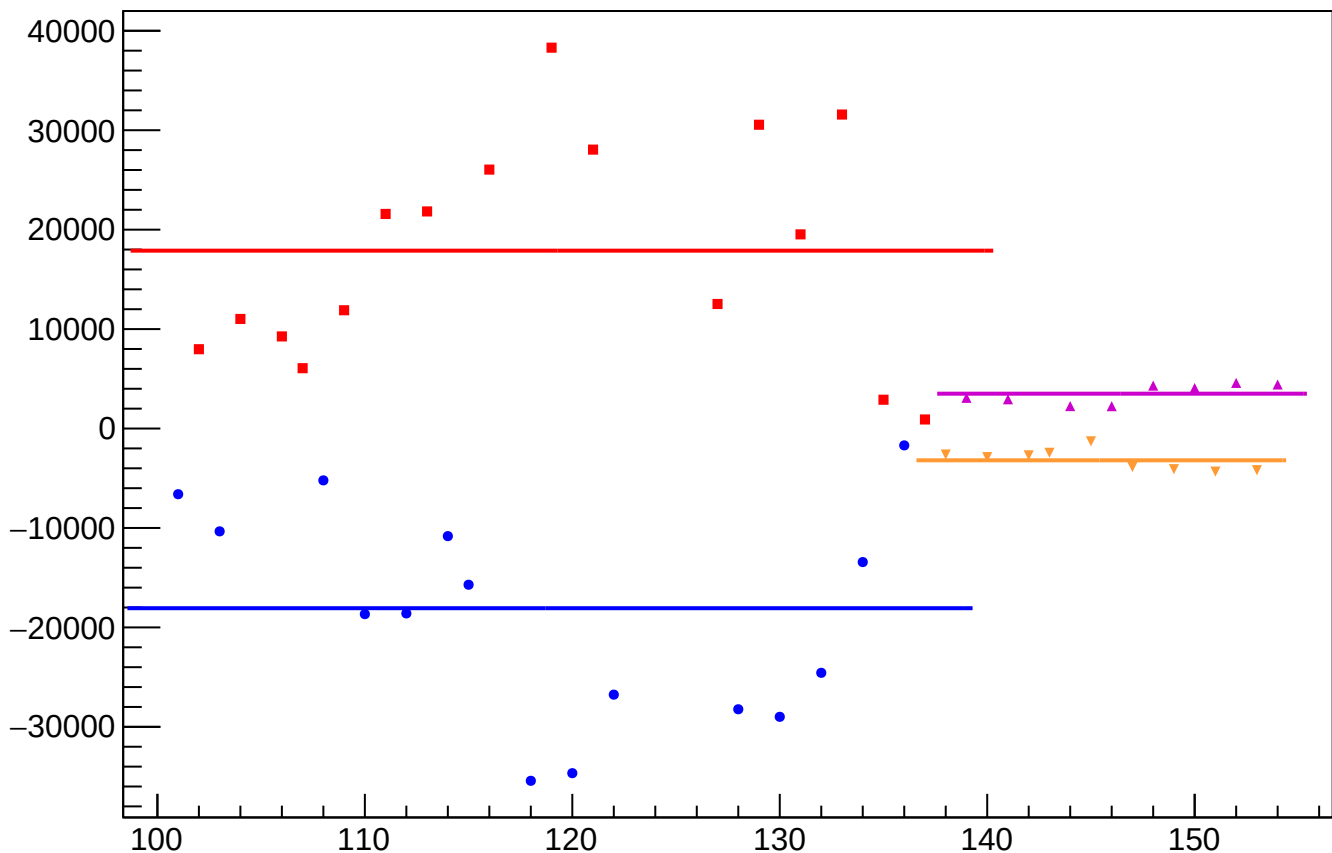
Right In: 1958.835+/-0.000 χ^2/NDF : 1189322999631358431600643692981190131712.0/14
 Left Out: 1111.911+/-0.000 χ^2/NDF : 35490346253267927385759407776571850752.0/8
 Right Out: -1797.392+/-0.000 χ^2/NDF : 955096623879958195657195074614240215040.0/15
 Left In: -1192.503+/-0.000 χ^2/NDF : 20700776689928959125569219421383163904.0/7
 All: 1.739+/-0.000 χ^2/NDF : 86637043035795

dit_sam2_coil7_Ndata_mean vs Slug, Sign Corrected



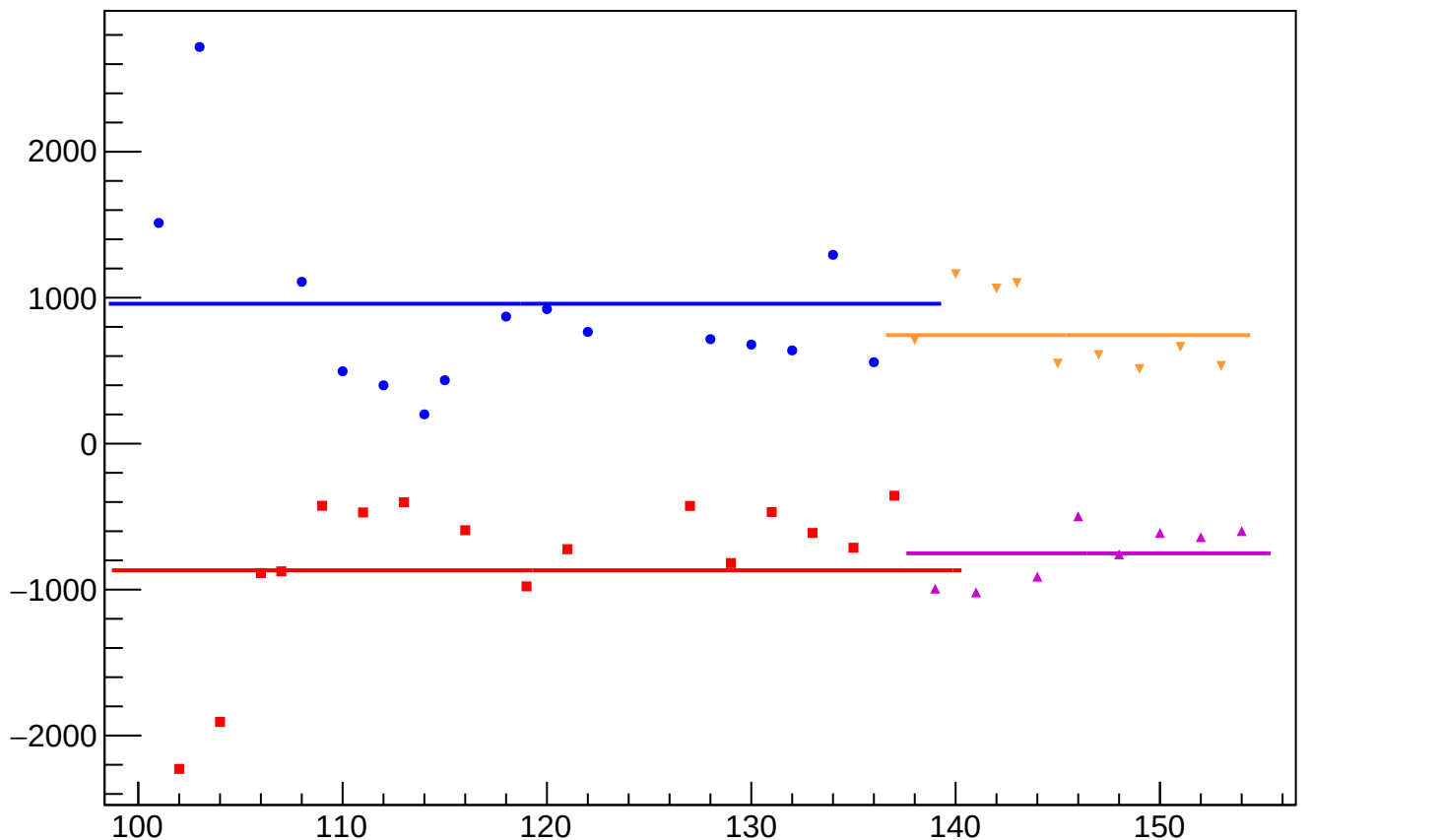
Right In: 1021.684+/-0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Left Out: 1132.494+/-0.000 χ^2/NDF : 39686876192496915858085858394832371712.0/8
 Right Out: -947.145+/-0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Left In: -1225.991+/-0.000 χ^2/NDF : 14916675602968721754329681431453761536.0/7
 All: -16.977+/-0.000 χ^2/NDF : 334308322032

dit_sam3_coil7_mean vs Slug, Sign Corrected



Left: 181.655+/-0.000 χ^2/NDF : 1657629241959921
 Right In: -18068.550+/-0.000 χ^2/NDF : 84312156443533553417760933497753760169984.0/14
 Right: 155.704+/-0.000 χ^2/NDF : 587997392225656
 Left Out: -3195.028+/-0.000 χ^2/NDF : 665276771172396820021902511160917229568.0/8
 In: -6959.595+/-0.000 χ^2/NDF : 240420451541847
 Right Out: 17888.149+/-0.000 χ^2/NDF : 78405915612914252869875231068795393015808.0/15
 Out: 7260.347+/-0.000 χ^2/NDF : 228524432041635
 Left In: 3504.428+/-0.000 χ^2/NDF : 573344976597219841140615708998132301824.0/7
 All: 168.926+/-0.000 χ^2/NDF : 604574136193

dit_sam3_coil7_err_mean vs Slug, Sign Corrected



Right In: 958.411 +/- 0.000

χ^2/NDF : 264733105058522822278137197070739570688.0/14

Left Out: 743.472 +/- 0.000

χ^2/NDF : 40980164583293072602750729338719567872.0/8

Right Out: -867.538 +/- 0.000

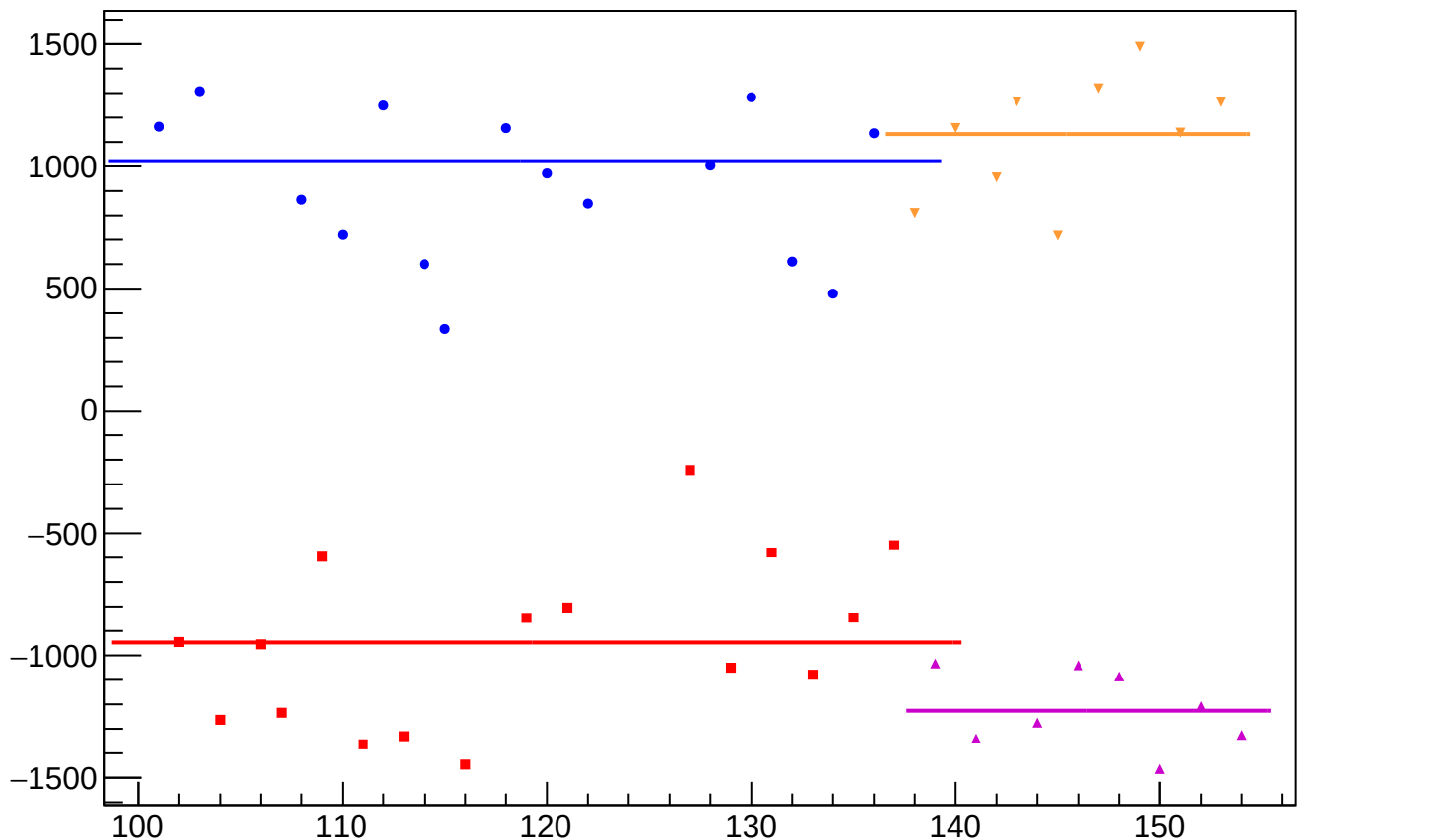
χ^2/NDF : 216129851545166714122252317604488151040.0/15

Left In: -751.446 +/- 0.000

χ^2/NDF : 23381739081553303290283875395015016448.0/7

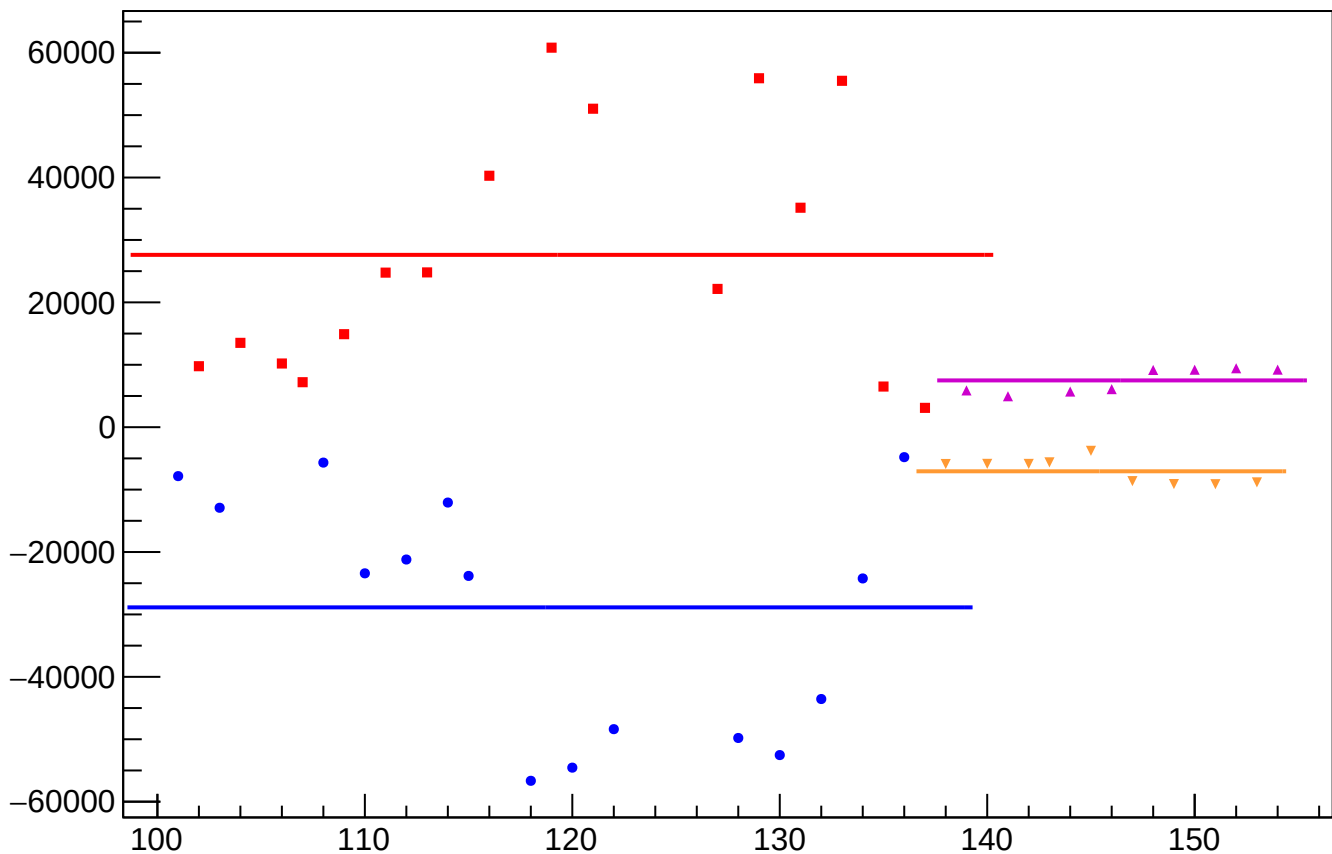
All: 11.066 +/- 0.000 χ^2/NDF : 2406857114455

dit_sam3_coil7_Ndata_mean vs Slug, Sign Corrected



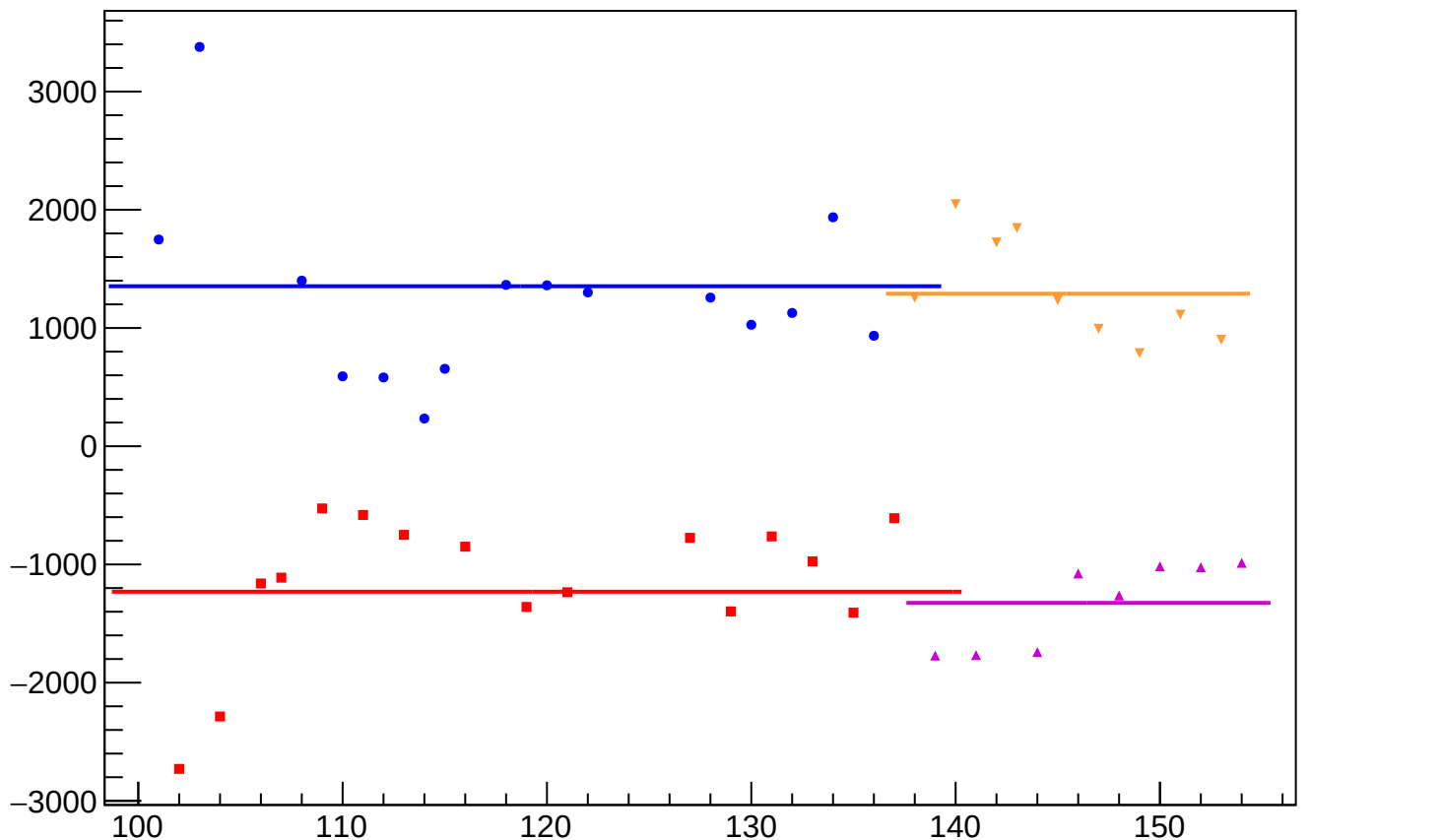
Right In: 1021.684+/-0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Left Out: 1132.494+/-0.000 χ^2/NDF : 39686876192496915858085858394832371712.0/8
 Right Out: -947.145+/-0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Left In: -1225.991+/-0.000 χ^2/NDF : 14916675602968721754329681431453761536.0/7
 All: -16.977+/-0.000 χ^2/NDF : 334308322032

dit_sam4_coil7_mean vs Slug, Sign Corrected



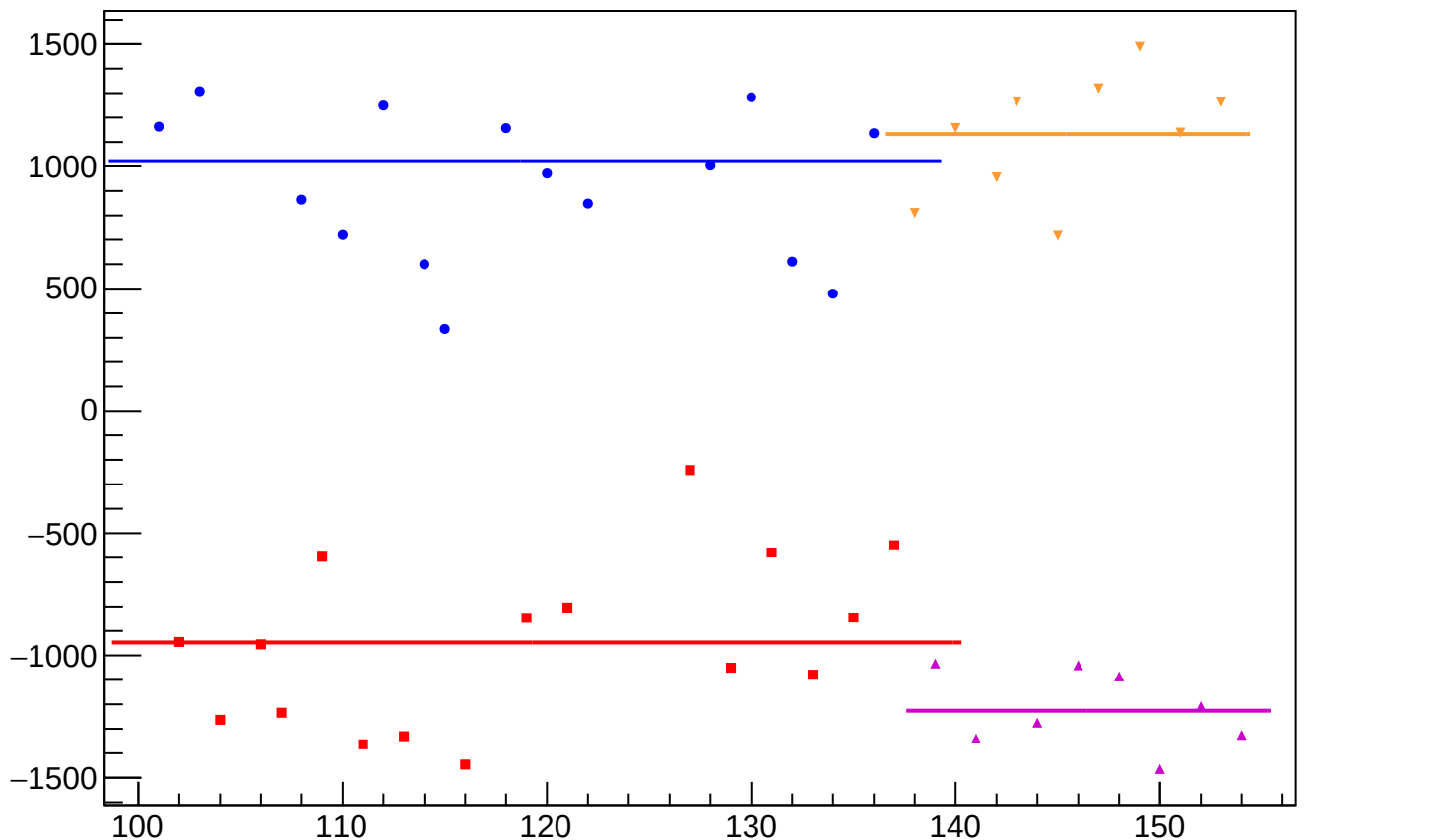
Left: 272.540+/-0.000 χ^2/NDF : 7720154035093601
 Right: -28868.624+/-0.000 χ^2/NDF : 261450701095727362961367657926584124309504.0/14
 Left Out: -7067.043+/-0.000 χ^2/NDF : 2438510594209298157407894665859931570176.0/8
 Right Out: 27610.848+/-0.000 χ^2/NDF : 248097983477523504935751571384400118546432.0/15
 Left In: 7494.946+/-0.000 χ^2/NDF : 2299116014800446285212605946997908701184.0/7
 All: 19.851+/-0.000 χ^2/NDF : 1636219049485

dit_sam4_coil7_err_mean vs Slug, Sign Corrected



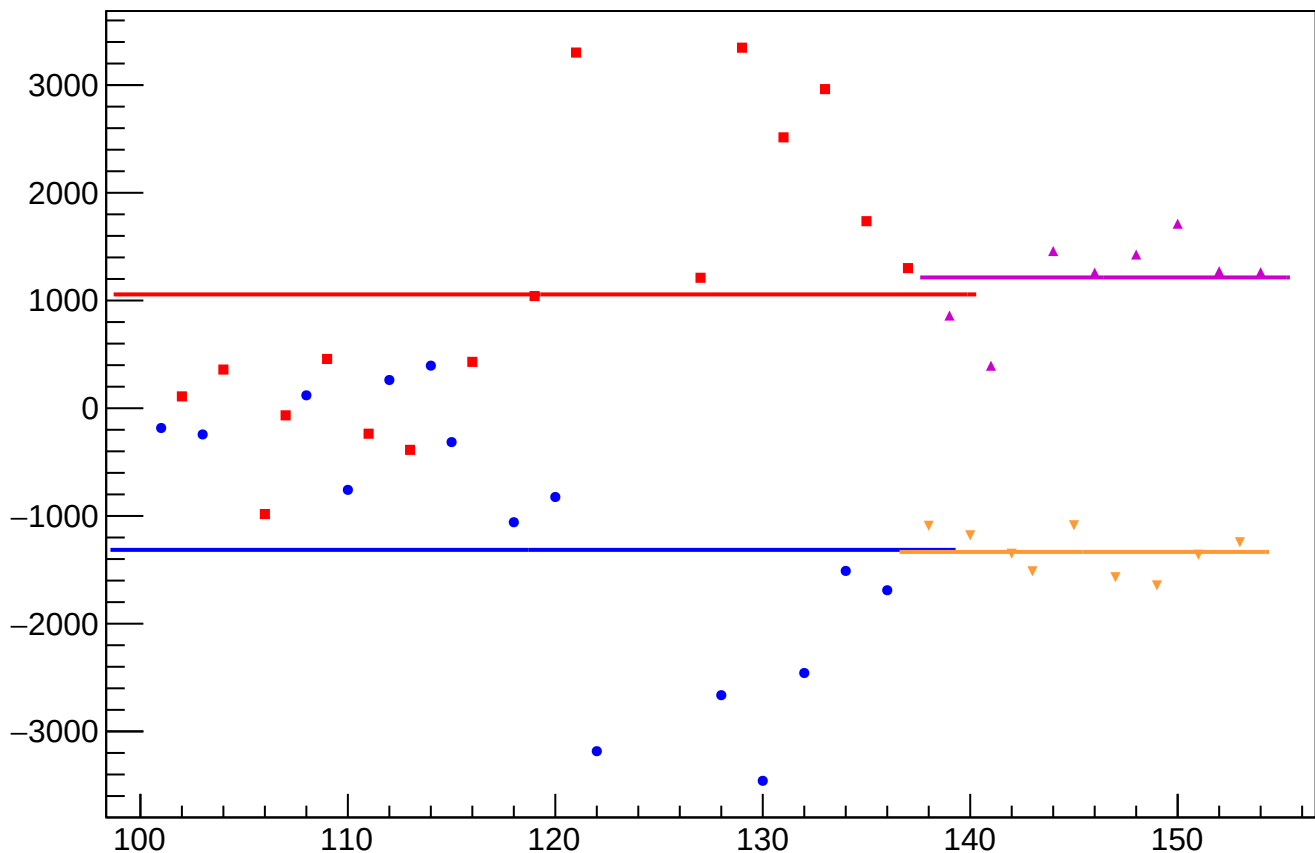
Right In: 1353.413+/-0.000 χ^2/NDF : 352887966702770713373861839880553758720.0/14
 Left Out: 1289.851+/-0.000 χ^2/NDF : 120136225993135302440079787751815249920.0/8
 Right Out: -1230.633+/-0.000 χ^2/NDF : 276989454129150005656872744539903754240.0/15
 Left In: -1325.396+/-0.000 χ^2/NDF : 80311909933657404795903817339369422848.0/7
 All: 7.027+/-0.000 χ^2/NDF : 53674733866962

dit_sam4_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Left Out: 1132.494+/-0.000 χ^2/NDF : 39686876192496915858085858394832371712.0/8
 Right Out: -947.145+/-0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Left In: -1225.991+/-0.000 χ^2/NDF : 14916675602968721754329681431453761536.0/7
 All: -16.977+/-0.000 χ^2/NDF : 334308322032

dit_sam5_coil7_mean vs Slug, Sign Corrected



Right In: -1314.782+/-0.000

Left Out: -1333.791+/-0.000

Right Out: 1056.765+/-0.000

Left In: 1214.115+/-0.000

χ^2/NDF : 966082368518203481544021644405645508608.0/14

χ^2/NDF : 26845986426692496235413278006404186112.0/8

χ^2/NDF : 1127141594187417021949832477353286041600.0/15

χ^2/NDF : 99695782858420765320503814100462075904.0/7

Left: -49.586+/-0.000 χ^2/NDF : 2344979118413060

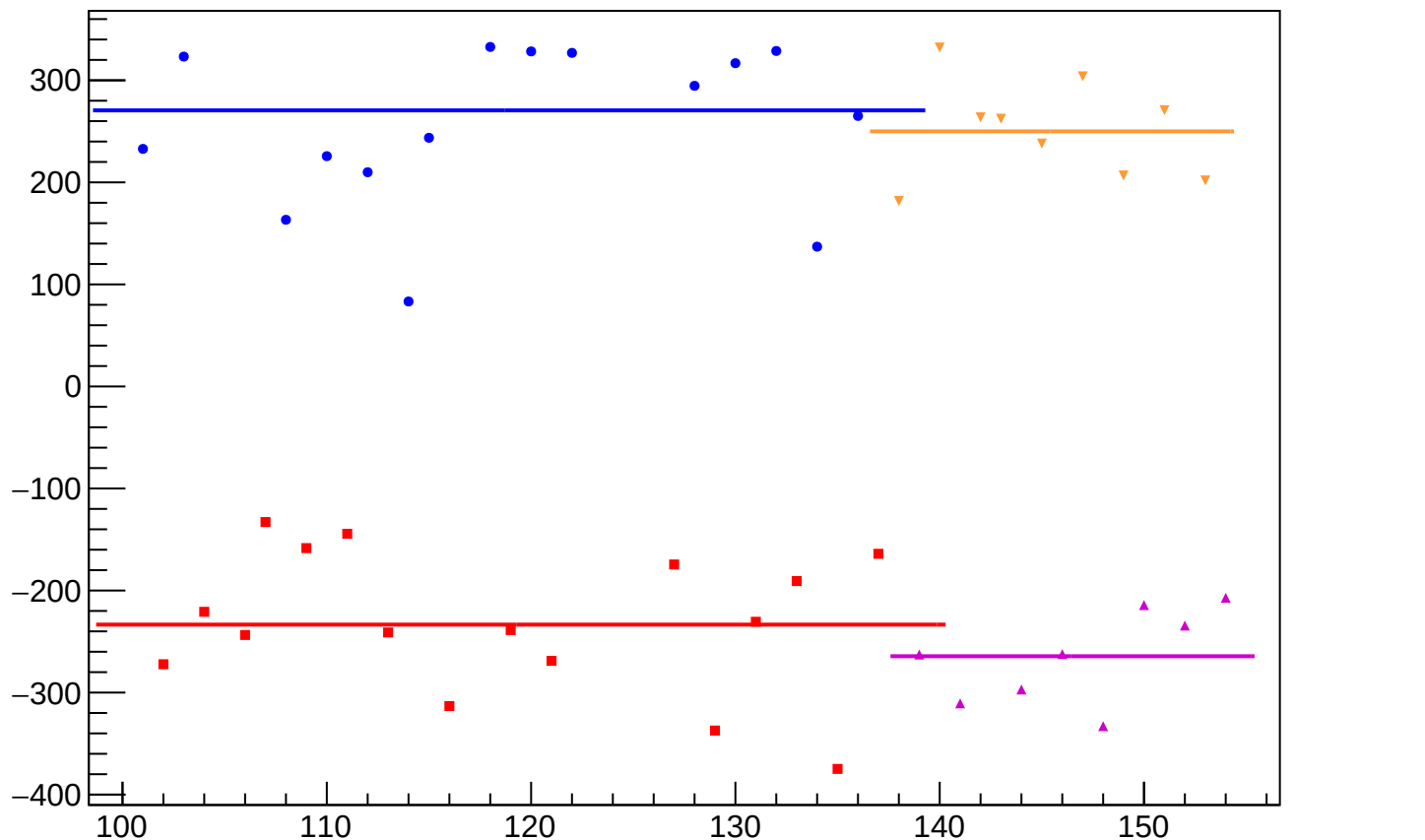
Right: -112.789+/-0.000 χ^2/NDF : 39432514405702

In: -12.532+/-0.000 χ^2/NDF : 32031011802434434

Out: -148.288+/-0.000 χ^2/NDF : 307544618069414

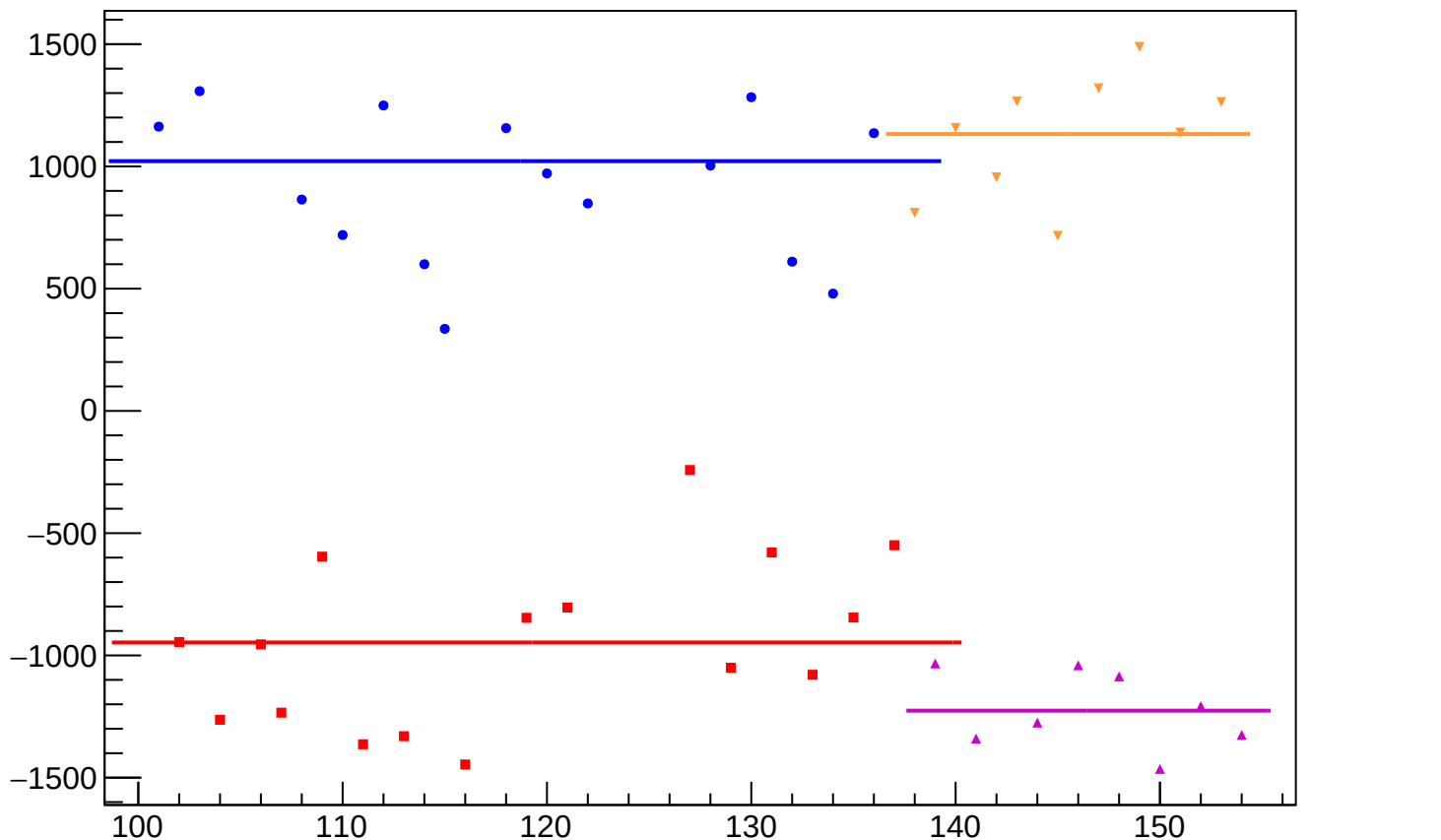
All: -80.587+/-0.000 χ^2/NDF : 629090899596

dit_sam5_coil7_err_mean vs Slug, Sign Corrected



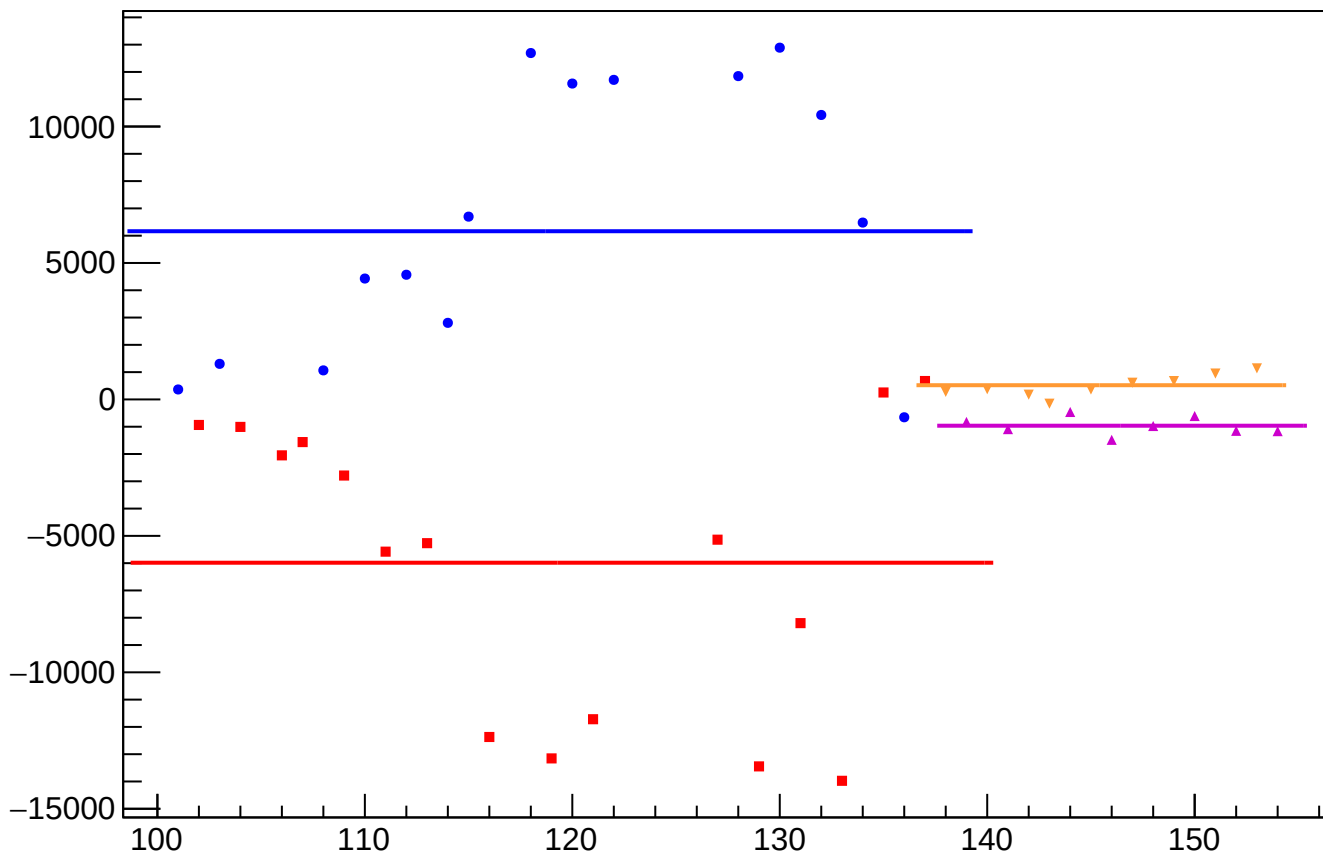
Right In: 270.538 ± 0.000 $\chi^2/\text{NDF}: 2473839905347950323907848405170257920.0/14$
 Left Out: 249.959 ± 0.000 $\chi^2/\text{NDF}: 1560651354445278539321244262386892800.0/8$
 Right Out: -233.421 ± 0.000 $\chi^2/\text{NDF}: 3048529087317888615064010247743995904.0/15$
 Left In: -264.385 ± 0.000 $\chi^2/\text{NDF}: 1269907879083861947773136167417937920.0/7$
 All: 2.683 ± 0.000 $\chi^2/\text{NDF}: 1826980372324$

dit_sam5_coil7_Ndata_mean vs Slug, Sign Corrected



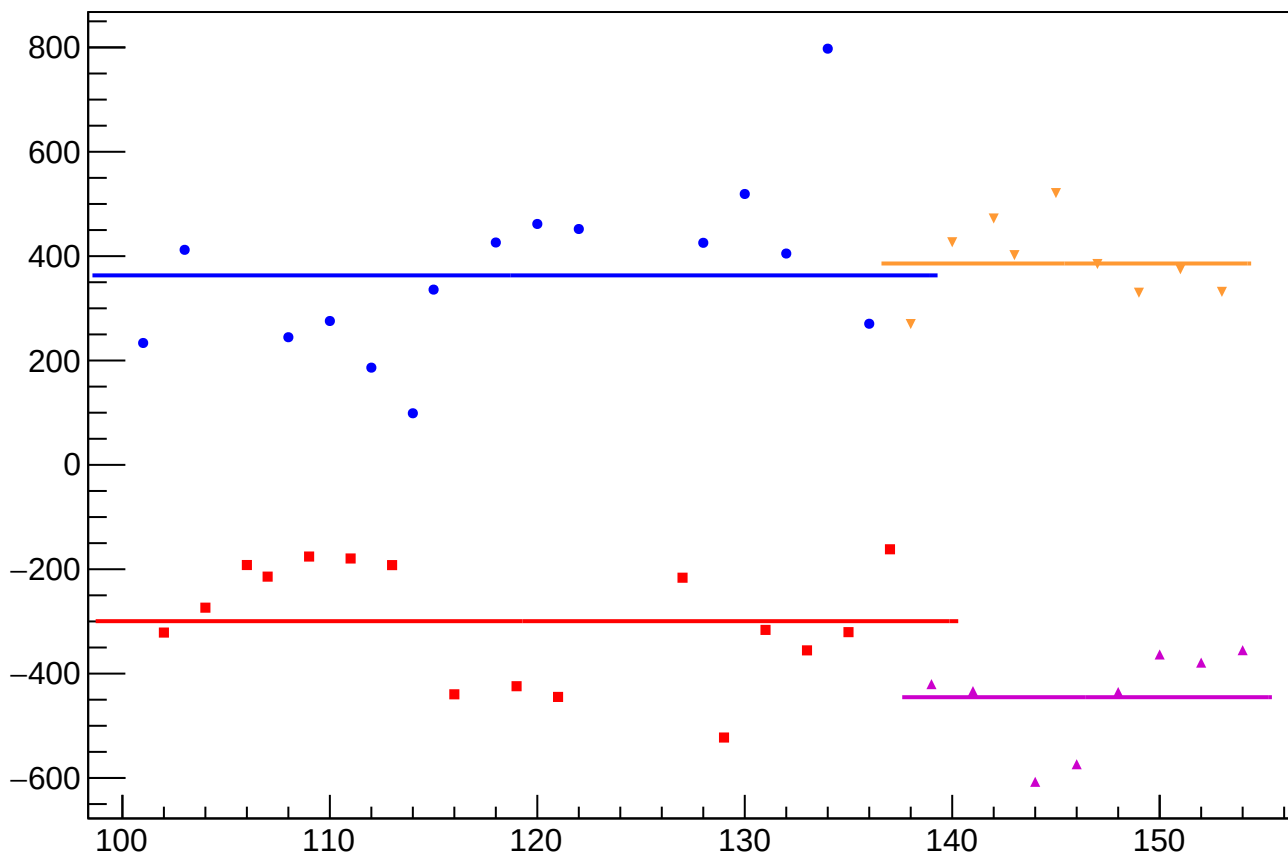
Right In: 1021.684 $\pm$ 0.000 χ^2 /NDF: 40493101470870278397836276403592495104.0/14
 Left Out: 1132.494 $\pm$ 0.000 χ^2 /NDF: 39686876192496915858085858394832371712.0/8
 Right Out: -947.145 $\pm$ 0.000 χ^2 /NDF: 67784656011936521511169668028018196480.0/15
 Left In: -1225.991 $\pm$ 0.000 χ^2 /NDF: 14916675602968721754329681431453761536.0/7
 All: -16.977 $\pm$ 0.000 χ^2 /NDF: 334308322032

dit_sam6_coil7_mean vs Slug, Sign Corrected



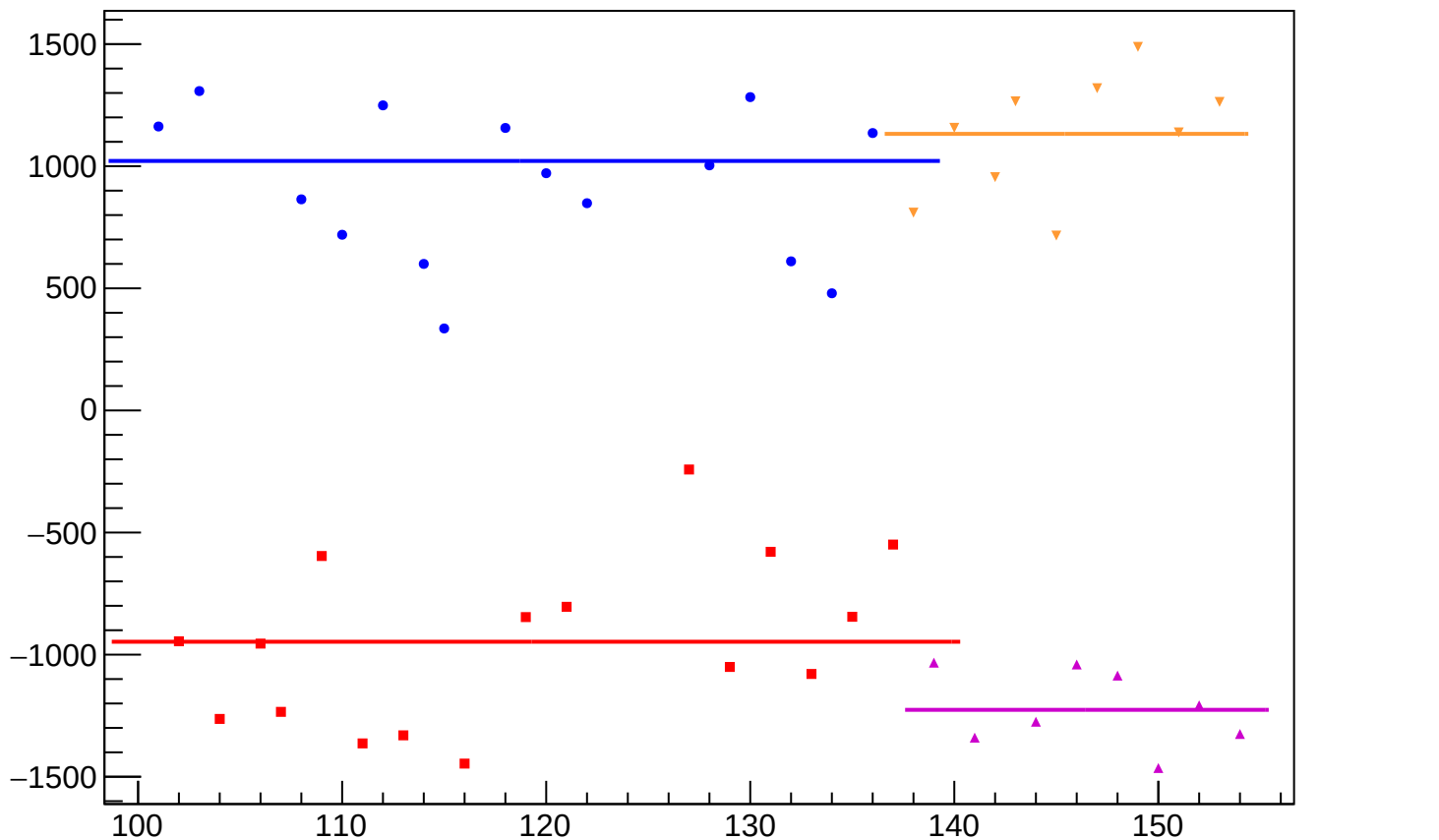
Left: -227.253 +/- 0.000 χ^2/NDF : 912311349161341
 Right In: 6163.445 +/- 0.000 χ^2/NDF : 18200622549026770504746300139009854144512.0/14
 Right: 6.710 +/- 0.000 χ^2/NDF : 84243130977336022
 Left Out: 520.783 +/- 0.000 χ^2/NDF : 93869843477744658467599338791061422080.0/8
 In: 2493.520 +/- 0.000 χ^2/NDF : 3524081689967843
 Right Out: -5983.876 +/- 0.000 χ^2/NDF : 17505201913276273559161088764155841740800.0/15
 Out: -2704.948 +/- 0.000 χ^2/NDF : 31825054983940
 Left In: -963.346 +/- 0.000 χ^2/NDF : 65738725996837697612114994173493379072.0/7
 All: -112.495 +/- 0.000 χ^2/NDF : 85192145020

dit_sam6_coil7_err_mean vs Slug, Sign Corrected



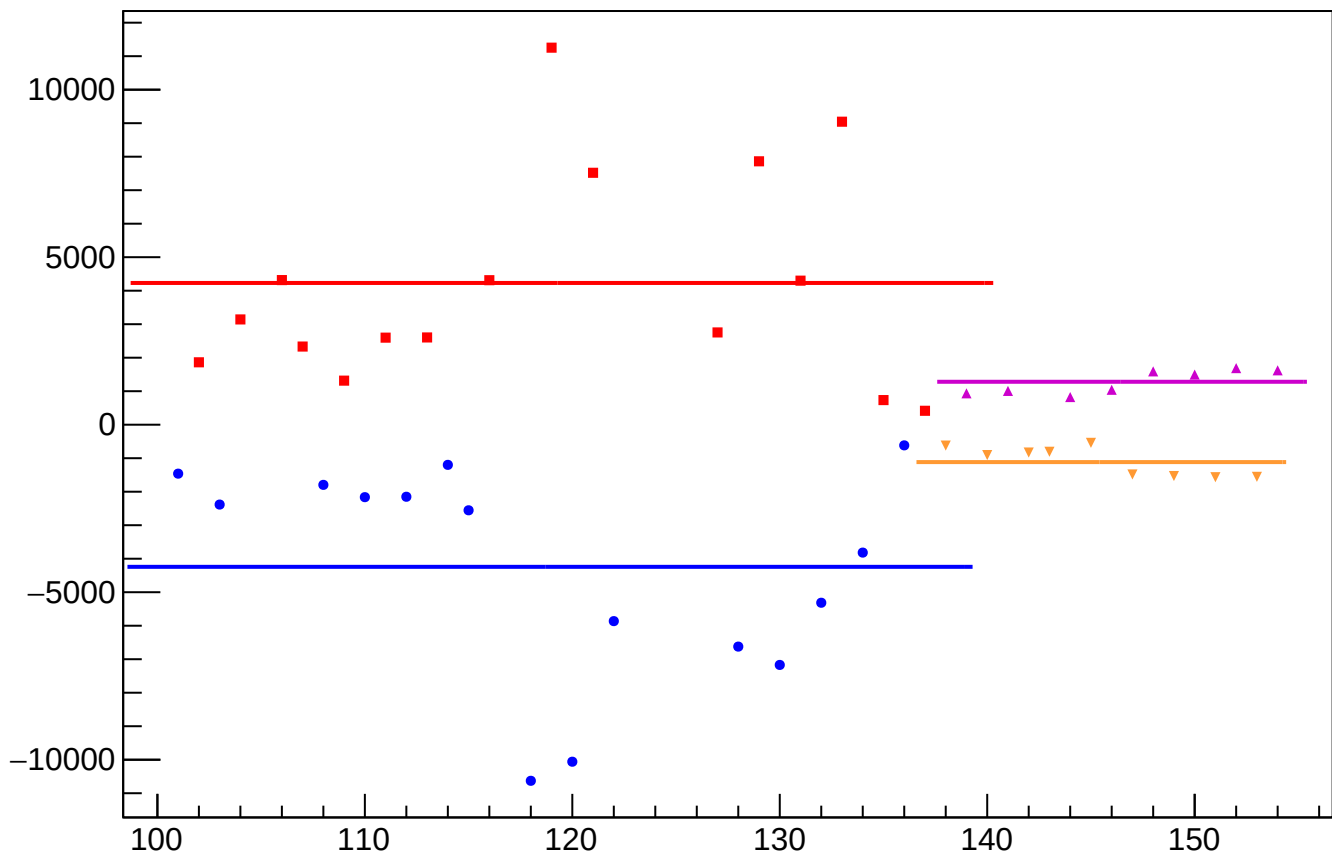
Left: -32.991 ± 0.000 $\chi^2/\text{NDF}: 2450873643576853$
 Right In: 363.133 ± 0.000 $\chi^2/\text{NDF}: 11502791697076456426435998277995331584.0/14$
 Right: 27.278 ± 0.000 $\chi^2/\text{NDF}: 1636258096450768$
 Left Out: 385.911 ± 0.000 $\chi^2/\text{NDF}: 3543873304666220754466359021125238784.0/8$
 In: -53.118 ± 0.000 $\chi^2/\text{NDF}: 23536726164999325$
 Right Out: -299.514 ± 0.000 $\chi^2/\text{NDF}: 7685497318744225218354652828984672256.0/15$
 Out: 46.001 ± 0.000 $\chi^2/\text{NDF}: 16919156567524809$
 Left In: -445.204 ± 0.000 $\chi^2/\text{NDF}: 5494328242983171072395981994640539648.0/7$
 All: -3.429 ± 0.000 $\chi^2/\text{NDF}: 4111486426423$

dit_sam6_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000	χ^2/NDF : 40493101470870278397836276403592495104.0/14	Left: -56.238+/-0.000	χ^2/NDF : 1955448892103571
Left Out: 1132.494+/-0.000	χ^2/NDF : 39686876192496915858085858394832371712.0/8	Right: 23.805+/-0.000	χ^2/NDF : 1383338523153511
Right Out: -947.145+/-0.000	χ^2/NDF : 67784656011936521511169668028018196480.0/15	In: -135.751+/-0.000	χ^2/NDF : 1743808435002872
Left In: -1225.991+/-0.000	χ^2/NDF : 14916675602968721754329681431453761536.0/7	Out: 101.178+/-0.000	χ^2/NDF : 1561622077009199
		All: -16.977+/-0.000	χ^2/NDF : 334308322032

dit_sam7_coil7_mean vs Slug, Sign Corrected



Right In: -4242.174 +/- 0.000

Left Out: -1115.827 +/- 0.000

Right Out: 4230.978 +/- 0.000

Left In: 1281.544 +/- 0.000

χ^2/NDF : 6783472272174151371145601081742110752768.0/14

χ^2/NDF : 116664248313551583840236217813553905664.0/8

χ^2/NDF : 6682409528103016752204343573740930465792.0/15

χ^2/NDF : 76370304178320758699722815448872386560.0/7

Left: 92.504 +/- 0.000 χ^2/NDF : 21570766809739728

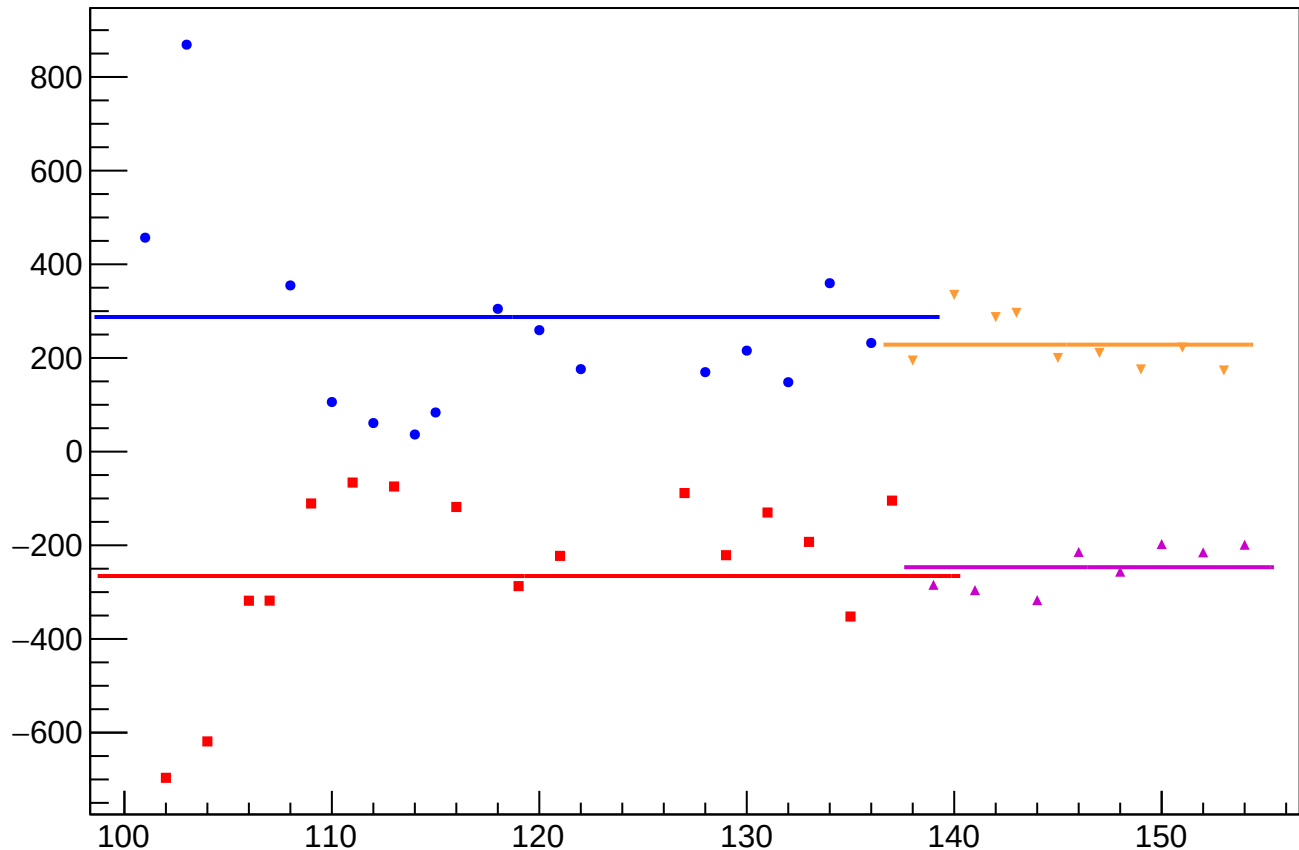
Right: 52.349 +/- 0.000 χ^2/NDF : 3708179263230228

In: -1397.748 +/- 0.000 χ^2/NDF : 170568063077013

Out: 1535.711 +/- 0.000 χ^2/NDF : 164112542955440

All: 72.808 +/- 0.000 χ^2/NDF : 3923995047147

dit_sam7_coil7_err_mean vs Slug, Sign Corrected



Right In: 287.460+/-0.000

χ^2/NDF : 29517044144826155936619151581366976512.0/14

Left Out: 228.444+/-0.000

χ^2/NDF : 2070303267029273747034304991251660800.0/8

Right Out: -265.593+/-0.000

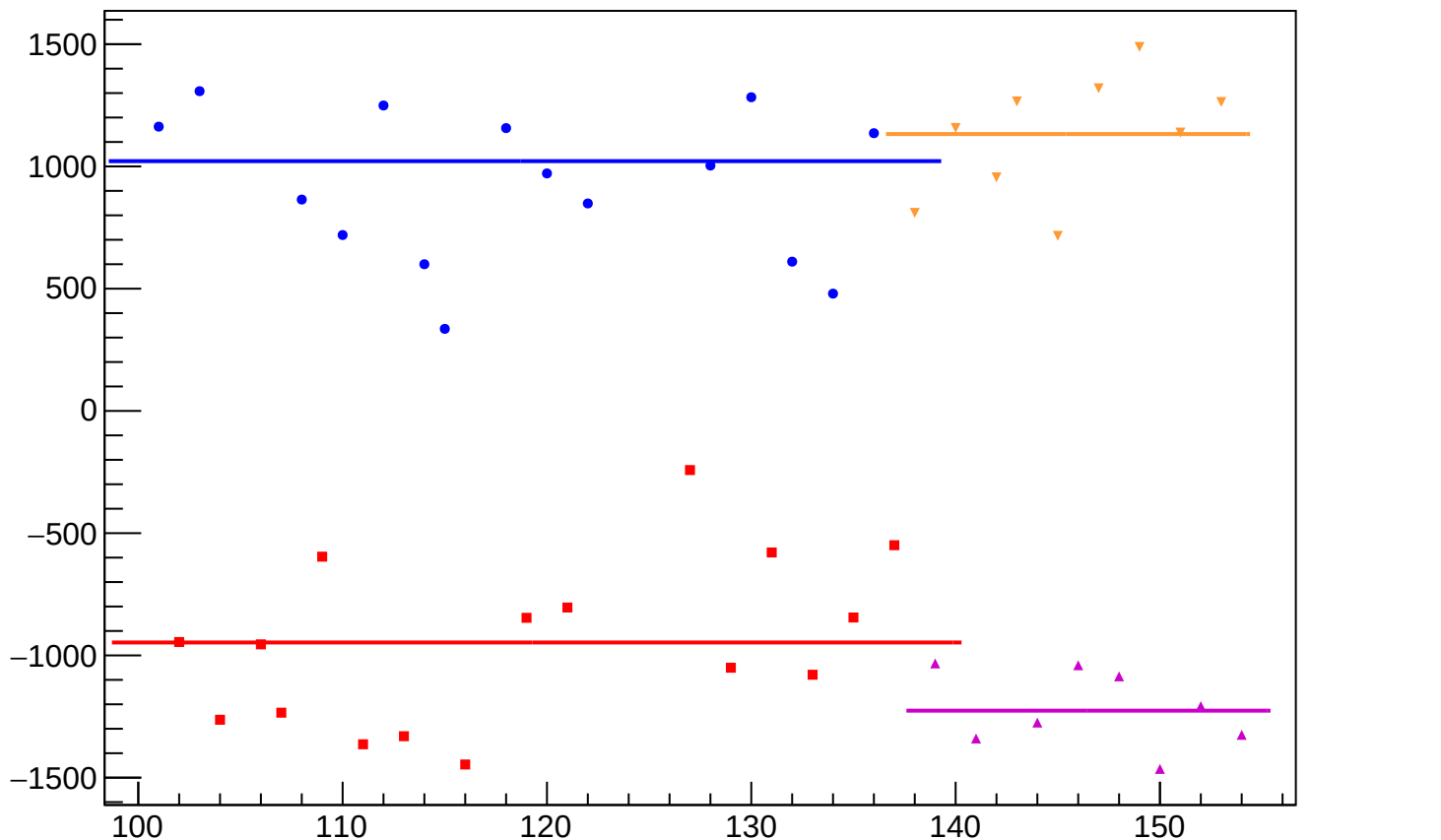
χ^2/NDF : 25843263106329059274985499259066908672.0/15

Left In: -246.754+/-0.000

χ^2/NDF : 1367529739833936735254543803407663104.0/7

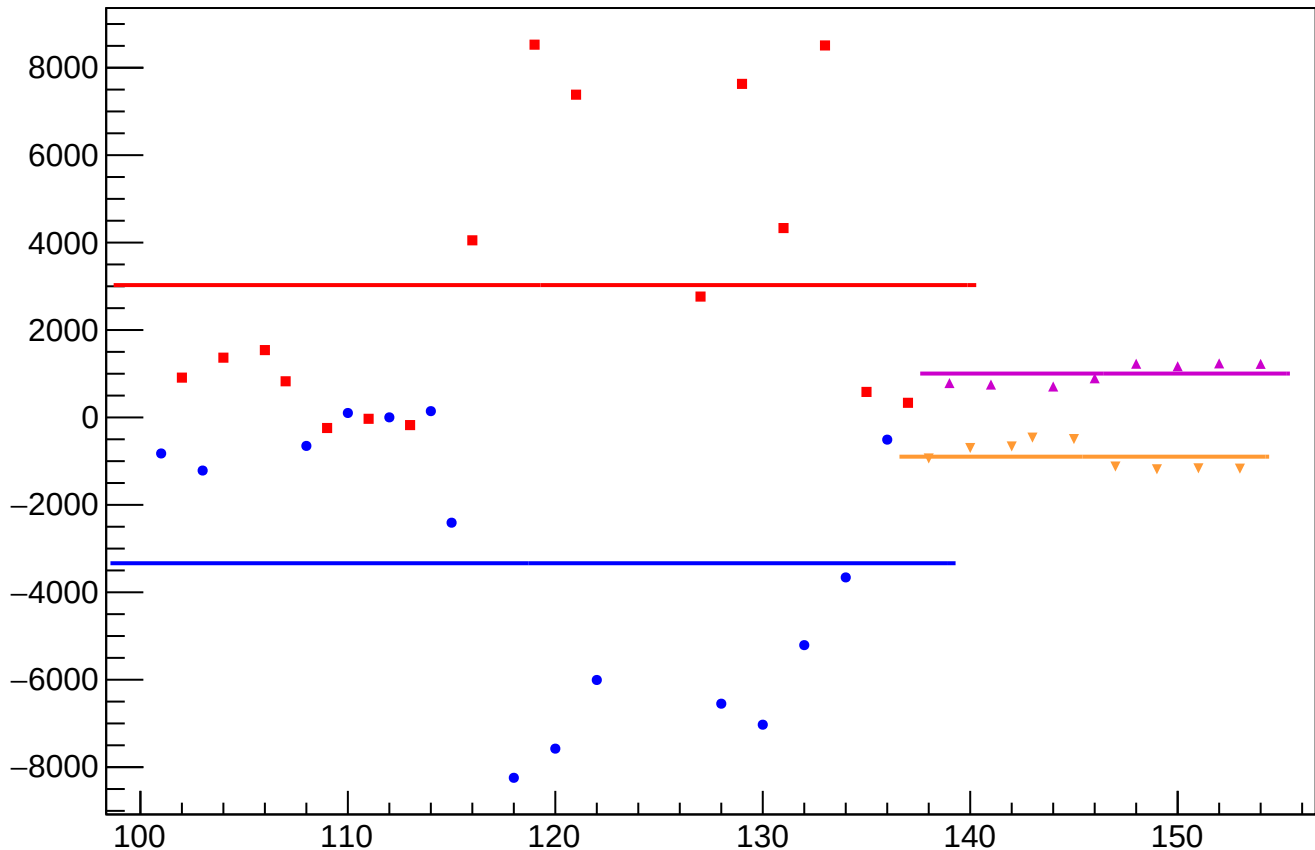
All: -2.131+/-0.000 χ^2/NDF : 2367985190178

dit_sam7_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000	χ^2/NDF : 40493101470870278397836276403592495104.0/14	Left: -56.238+/-0.000	χ^2/NDF : 1955448892103571
Left Out: 1132.494+/-0.000	χ^2/NDF : 39686876192496915858085858394832371712.0/8	Right: 23.805+/-0.000	χ^2/NDF : 1383338523153511
Right Out: -947.145+/-0.000	χ^2/NDF : 67784656011936521511169668028018196480.0/15	In: -135.751+/-0.000	χ^2/NDF : 1743808435002872
Left In: -1225.991+/-0.000	χ^2/NDF : 14916675602968721754329681431453761536.0/7	Out: 101.178+/-0.000	χ^2/NDF : 1561622077009199
		All: -16.977+/-0.000	χ^2/NDF : 334308322032

dit_sam8_coil7_mean vs Slug, Sign Corrected



Right In: -3335.273+/-0.000

Left Out: -897.523+/-0.000

Right Out: 3027.603+/-0.000

Left In: 1003.799+/-0.000

χ^2/NDF : 6338087251589637529030075517152423575552.0/14

χ^2/NDF : 54554423626066134088895692294133383168.0/8

χ^2/NDF : 7086157086694396583090903767581326311424.0/15

χ^2/NDF : 33892099323504415761876572464297803776.0/7

Left: 60.788+/-0.000 χ^2/NDF : 13238016923350308

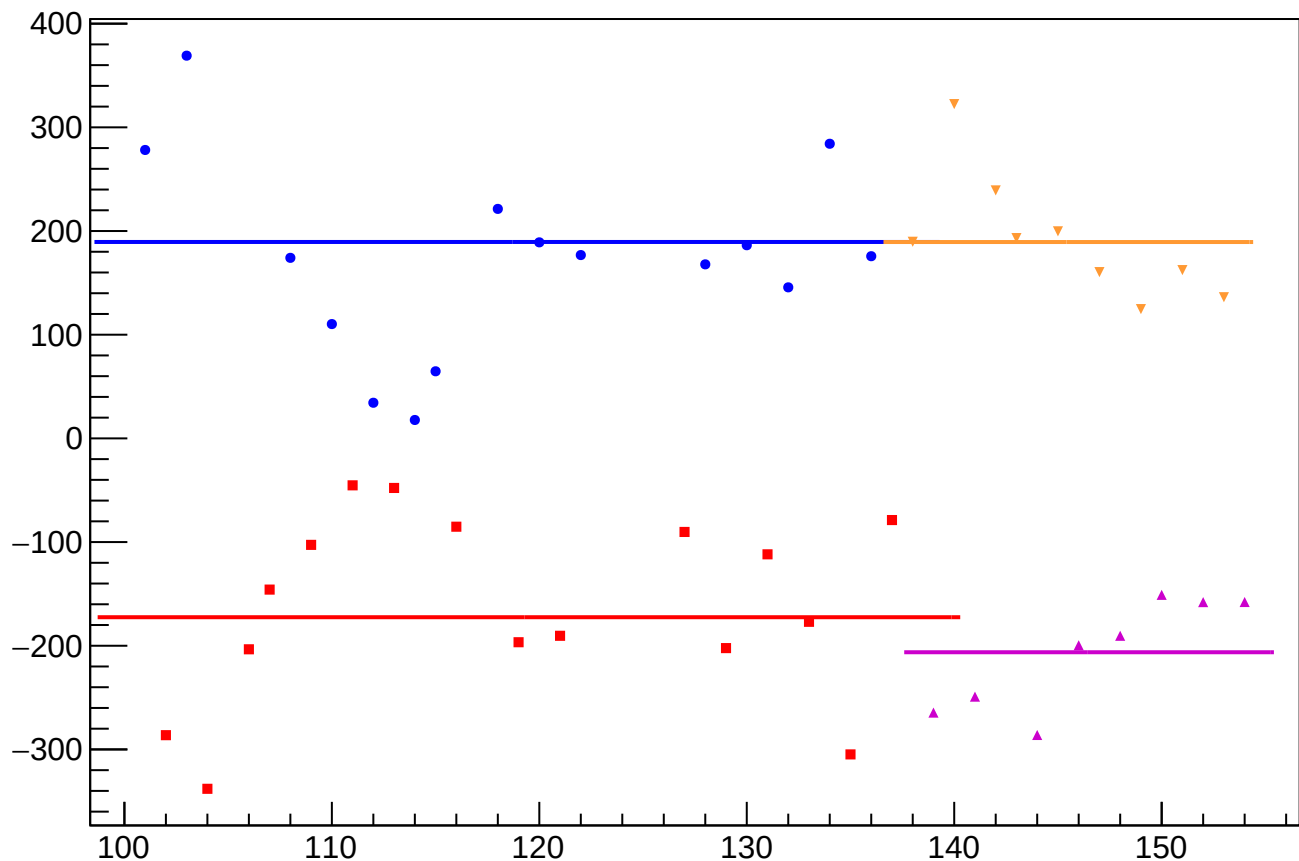
Right: -110.320+/-0.000 χ^2/NDF : 26741707536001

In: -1100.877+/-0.000 χ^2/NDF : 126641649901551

Out: 1048.989+/-0.000 χ^2/NDF : 123208383236309

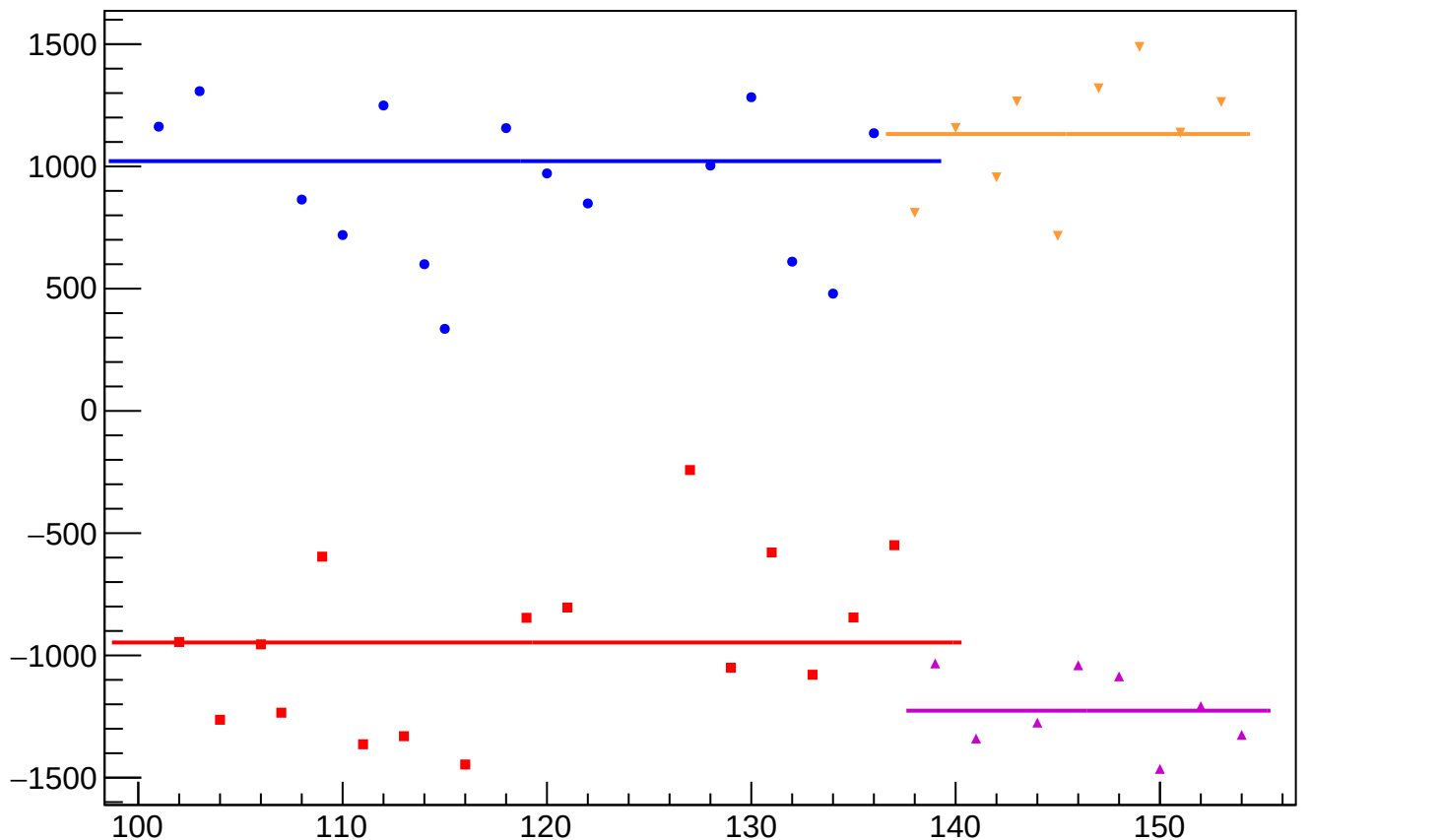
All: -23.139+/-0.000 χ^2/NDF : 280851402792

dit_sam8_coil7_err_mean vs Slug, Sign Corrected



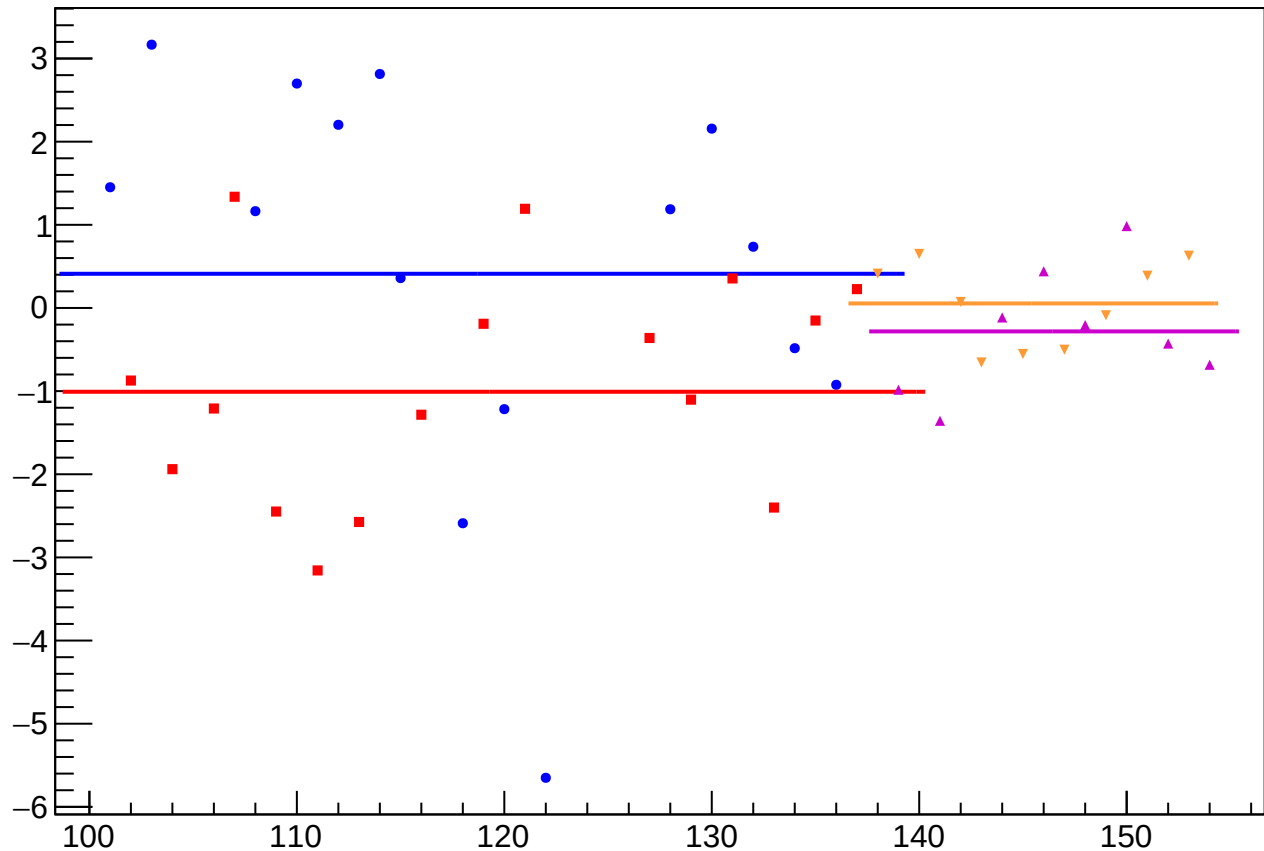
Right In: 189.442 $\pm$ 0.000 χ^2 /NDF: 4707234253929700721726064108794544128.0/14
 Left Out: 189.390 $\pm$ 0.000 χ^2 /NDF: 2289564962595753201195075635307872256.0/8
 Right Out: -172.485 $\pm$ 0.000 χ^2 /NDF: 5594813408996728261938711470404534272.0/15
 Left In: -206.269 $\pm$ 0.000 χ^2 /NDF: 1713244451129827013884458631549681664.0/7
 All: -2.166 $\pm$ 0.000 χ^2 /NDF: 1110613066882

dit_sam8_coil7_Ndata_mean vs Slug, Sign Corrected



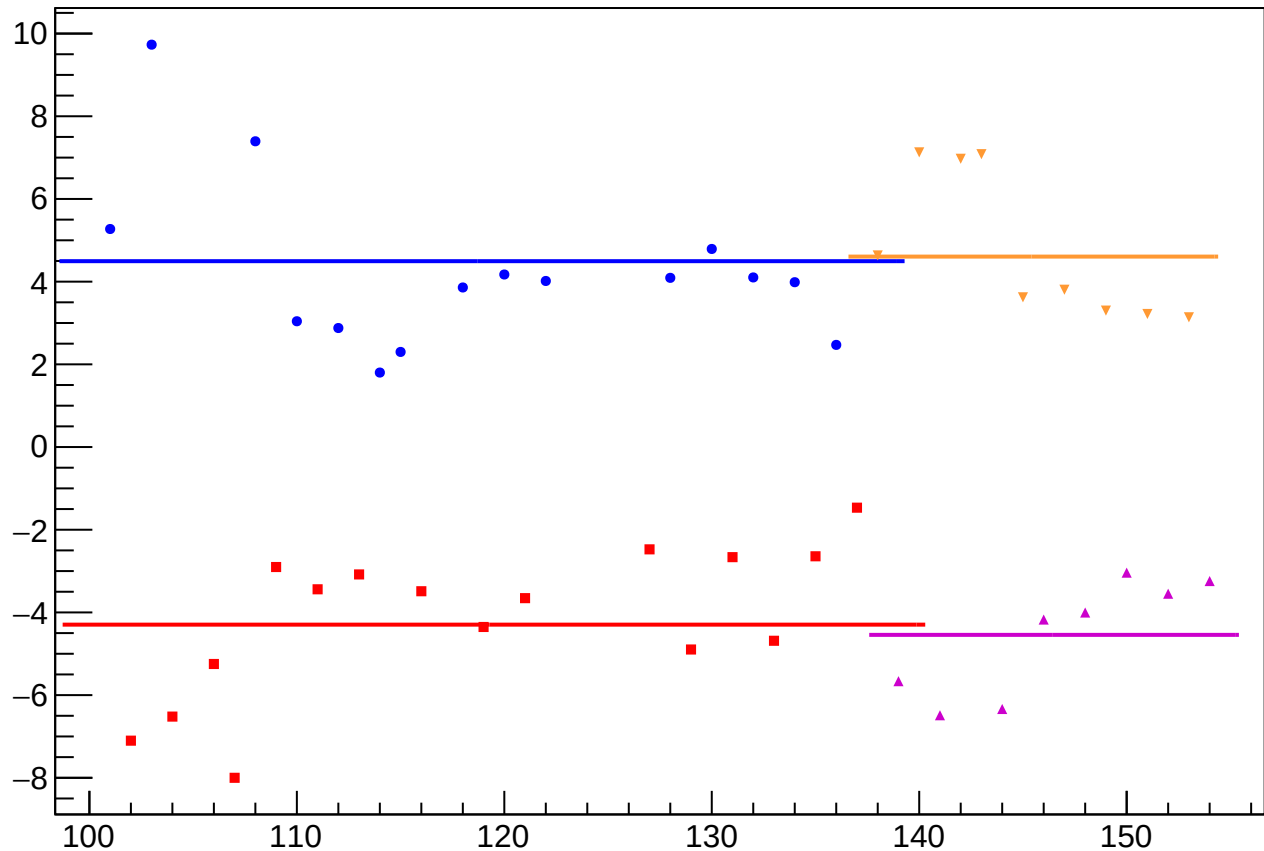
Right In: 1021.684+/-0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Left Out: 1132.494+/-0.000 χ^2/NDF : 39686876192496915858085858394832371712.0/8
 Right Out: -947.145+/-0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Left In: -1225.991+/-0.000 χ^2/NDF : 14916675602968721754329681431453761536.0/7
 All: -16.977+/-0.000 χ^2/NDF : 334308322032

dit_4aX_coil4_mean vs Slug, Sign Corrected



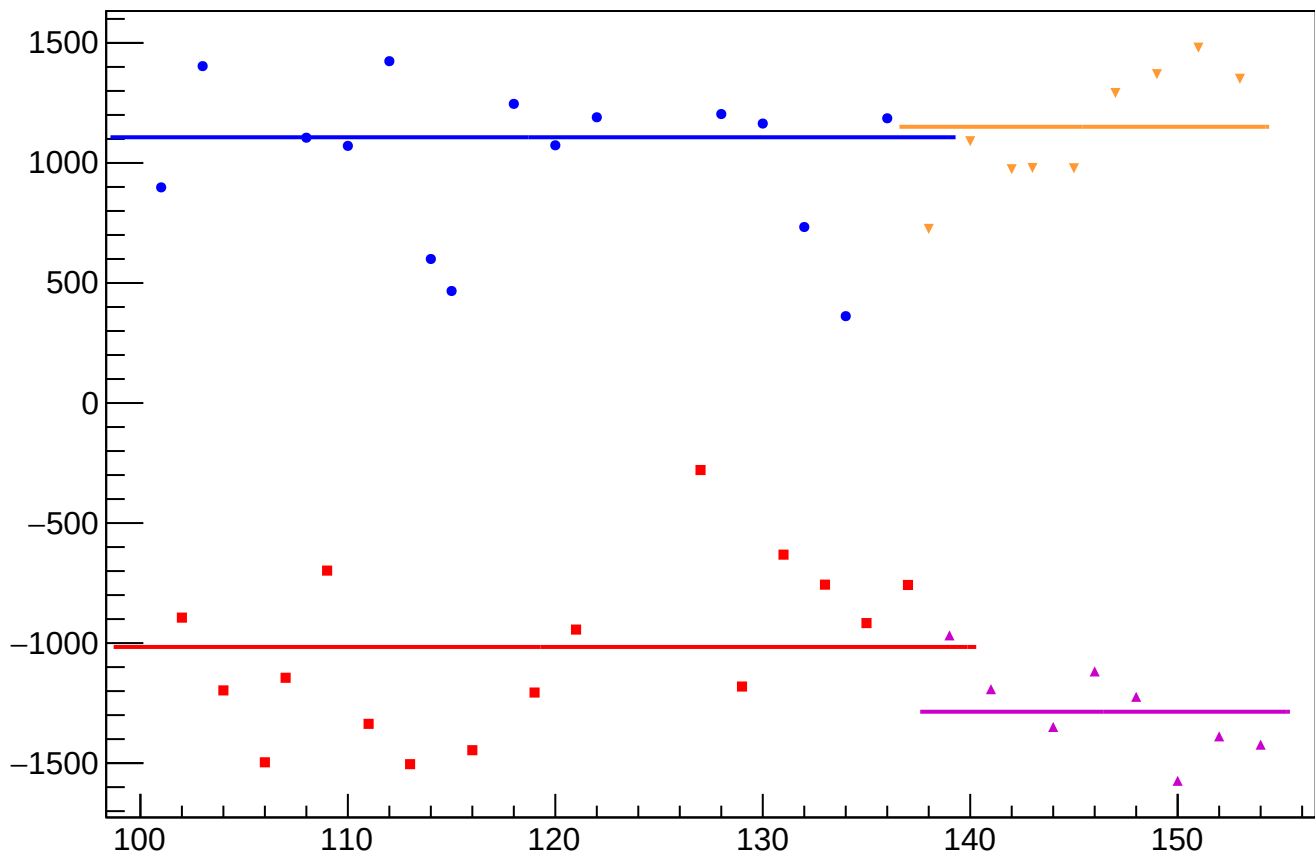
Right In: 0.411+/-0.000 χ^2/NDF : 3385573506255563170053089820409856.0/14
 Left In: -1.008+/-0.000 χ^2/NDF : 1128402228144096394498047410700288.0/15
 Right Out: 0.054+/-0.000 χ^2/NDF : 165230170065722829495296443023360.0/8
 Left Out: -0.282+/-0.000 χ^2/NDF : 346618257383564375950487378198528.0/7
 All: -0.210+/-0.000 χ^2/NDF : 5751789622146

dit_4aX_coil4_err_mean vs Slug, Sign Corrected



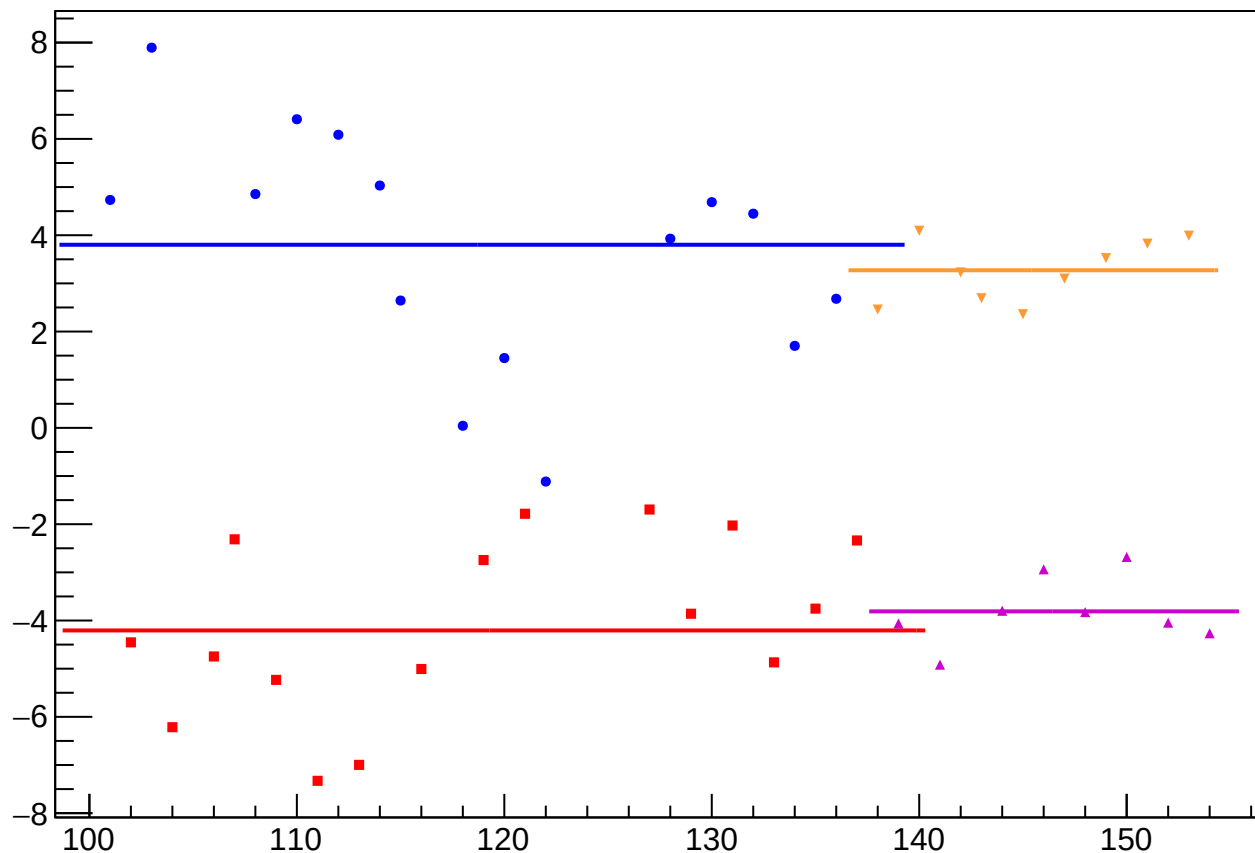
Right In: 4.495+/-0.000 χ^2/NDF : 2742240072441097531500728791597056.0/14
 Left Out: 4.606+/-0.000 χ^2/NDF : 1793274864568106965900885183430656.0/8
 Right Out: -4.296+/-0.000 χ^2/NDF : 2011925707062051890381007475441664.0/15
 Left In: -4.543+/-0.000 χ^2/NDF : 1187866189433418561969582929608704.0/7
 All: 0.017+/-0.000 χ^2/NDF : 61759665803705

dit_4aX_coil4_Ndata_mean vs Slug, Sign Corrected



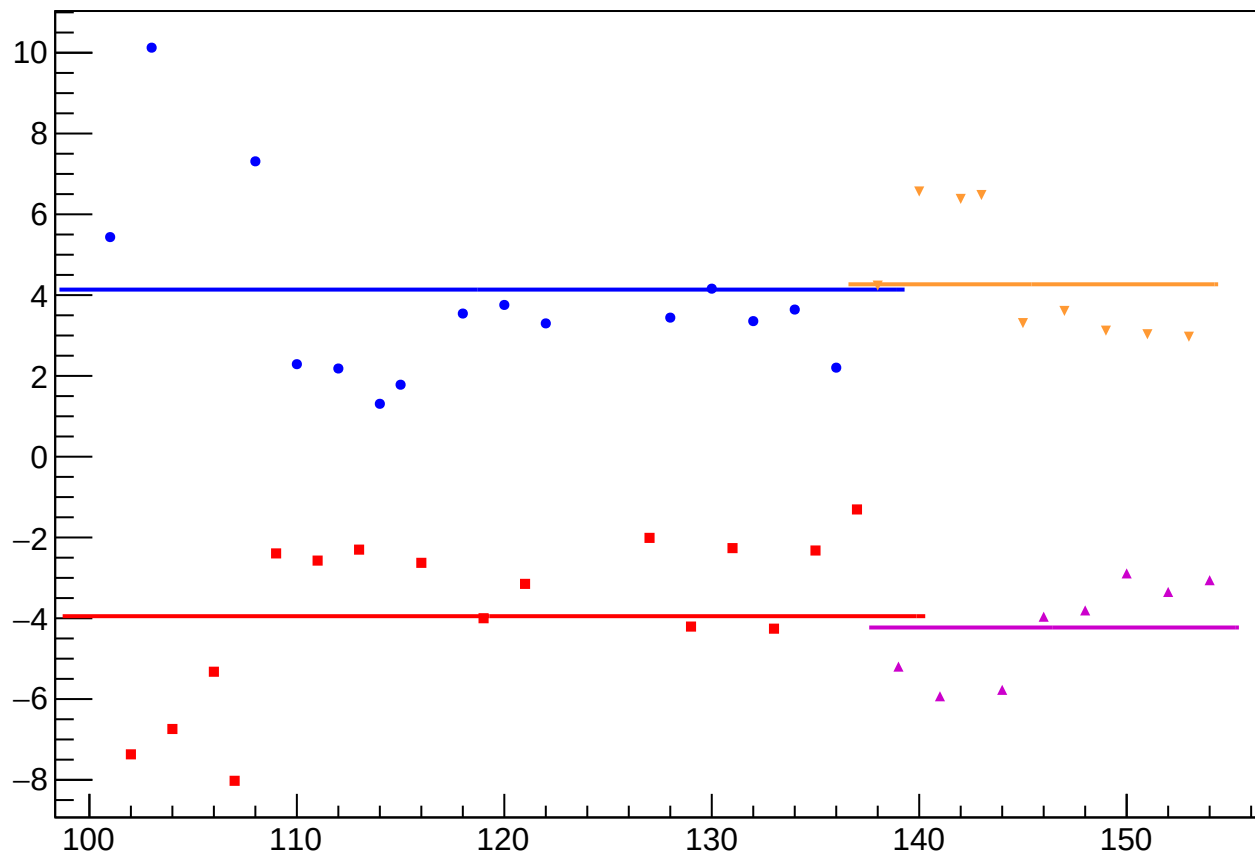
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -77.437+/-0.000	χ^2/NDF : 2088624826968681
Left Out: 1150.698+/-0.000	χ^2/NDF : 37586929183133584961001644800803340288.0/8	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -125.226+/-0.000	χ^2/NDF : 1976535501929842
Left In: -1285.964+/-0.000	χ^2/NDF : 22090664618145164661890170403116023808.0/7	Out: 76.156+/-0.000	χ^2/NDF : 16887561822700349
	All: -24.272+/-0.000		χ^2/NDF : 369249352853

dit_4eX_coil4_mean vs Slug, Sign Corrected



Right In: 3.802 ± 0.000 χ^2/NDF : 3795476074398338930564700657680384.0/14
 Left Out: 3.272 ± 0.000 χ^2/NDF : 272592887105546582281117333716992.0/8
 Right Out: -4.206 ± 0.000 χ^2/NDF : 209642781334145457333226518347760.0/15
 Left In: -3.810 ± 0.000 χ^2/NDF : 311593890516235665265513587539968.0/7
 All: -0.277 ± 0.000 χ^2/NDF : 4471154211818

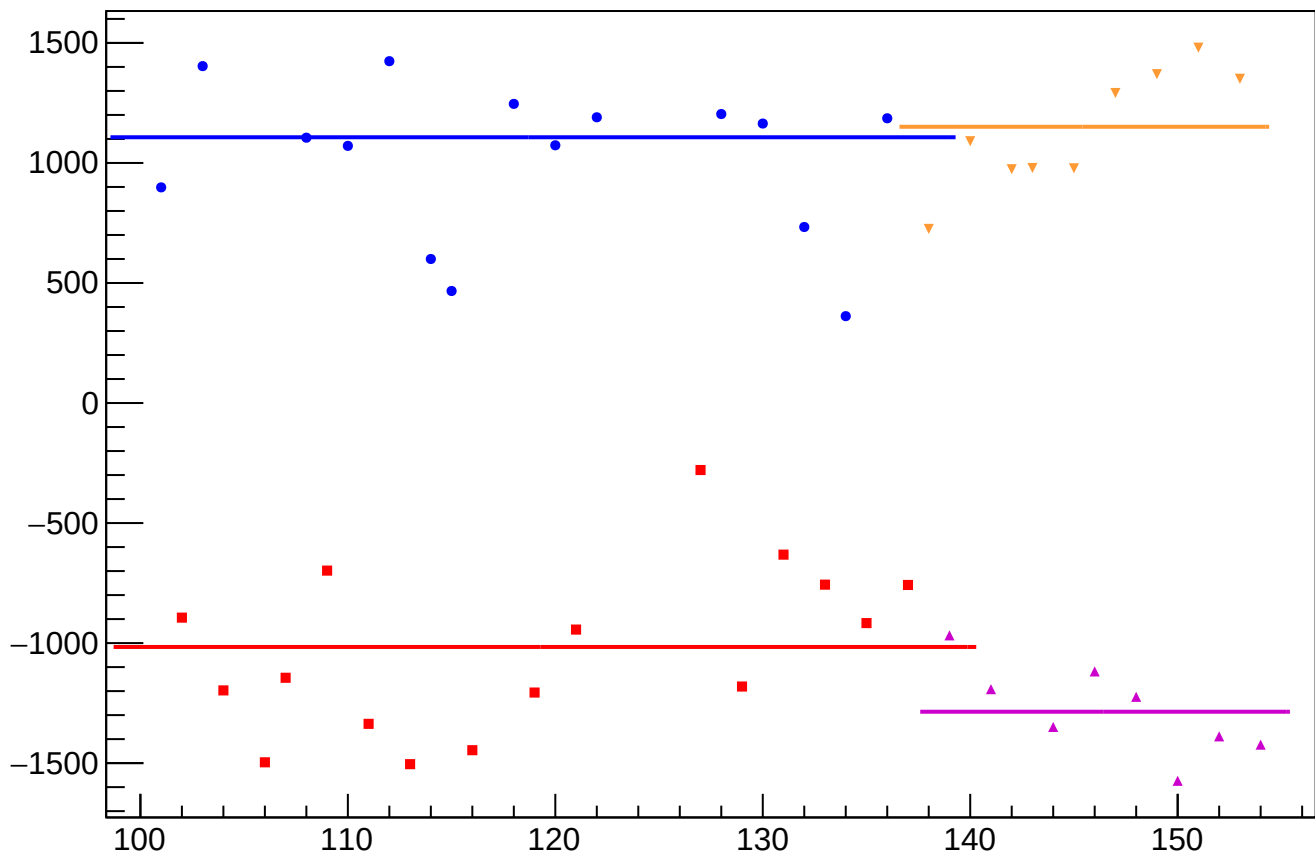
dit_4eX_coil4_err_mean vs Slug, Sign Corrected



Left: -0.015 ± 0.000 χ^2/NDF : 27021515246399533
 Right: 0.039 ± 0.000 χ^2/NDF : 27678490251430251
 In: -0.171 ± 0.000 χ^2/NDF : 277998540273405139
 Out: 0.193 ± 0.000 χ^2/NDF : 268130153357686385
 All: 0.012 ± 0.000 χ^2/NDF : 54701908781103

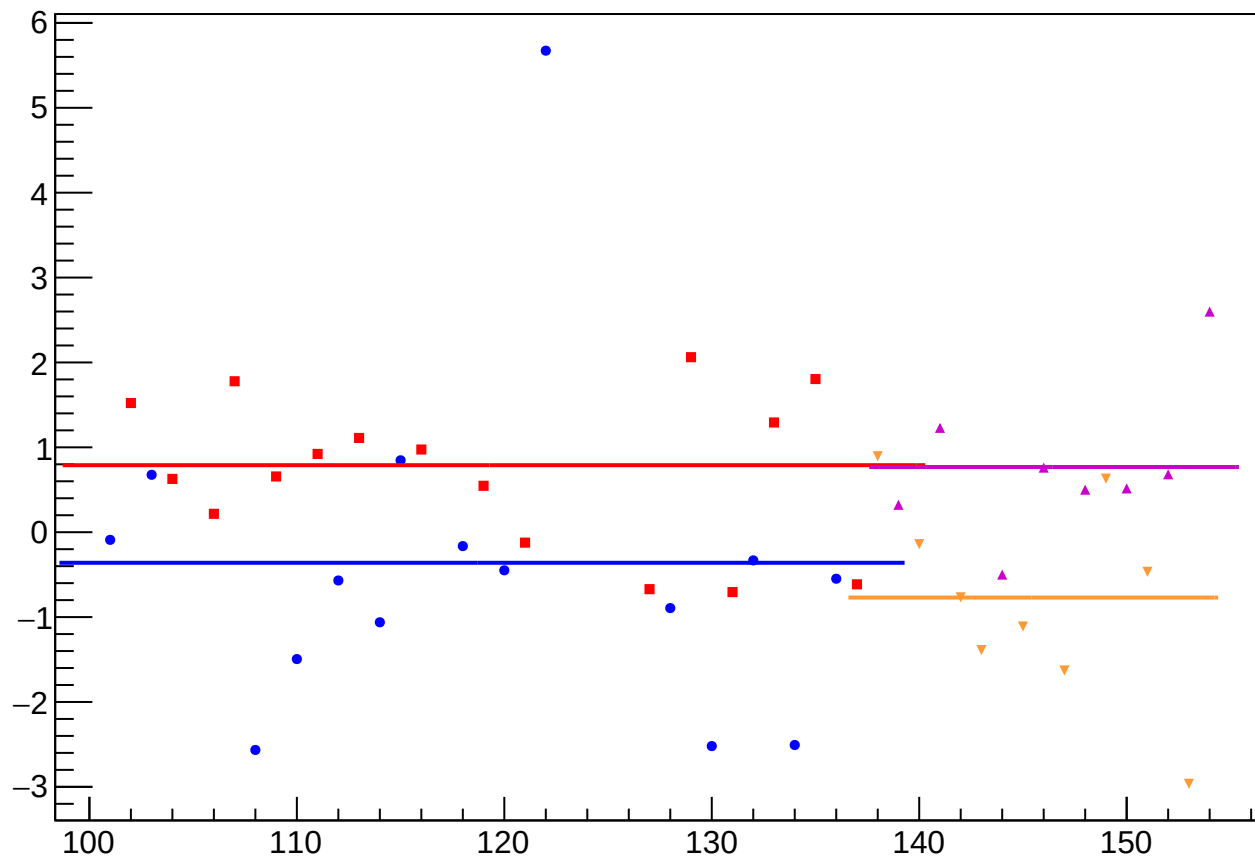
Right In: 4.136 ± 0.000 χ^2/NDF : 3507600624388663919898505496231936.0/14
 Left Out: 4.268 ± 0.000 χ^2/NDF : 1445912316048436245313571229007872.0/8
 Right Out: -3.948 ± 0.000 χ^2/NDF : 2670176783942302028345551100051456.0/15
 Left In: -4.228 ± 0.000 χ^2/NDF : 907722795533699792448624865050624.0/7

dit_4eX_coil4_Ndata_mean vs Slug, Sign Corrected



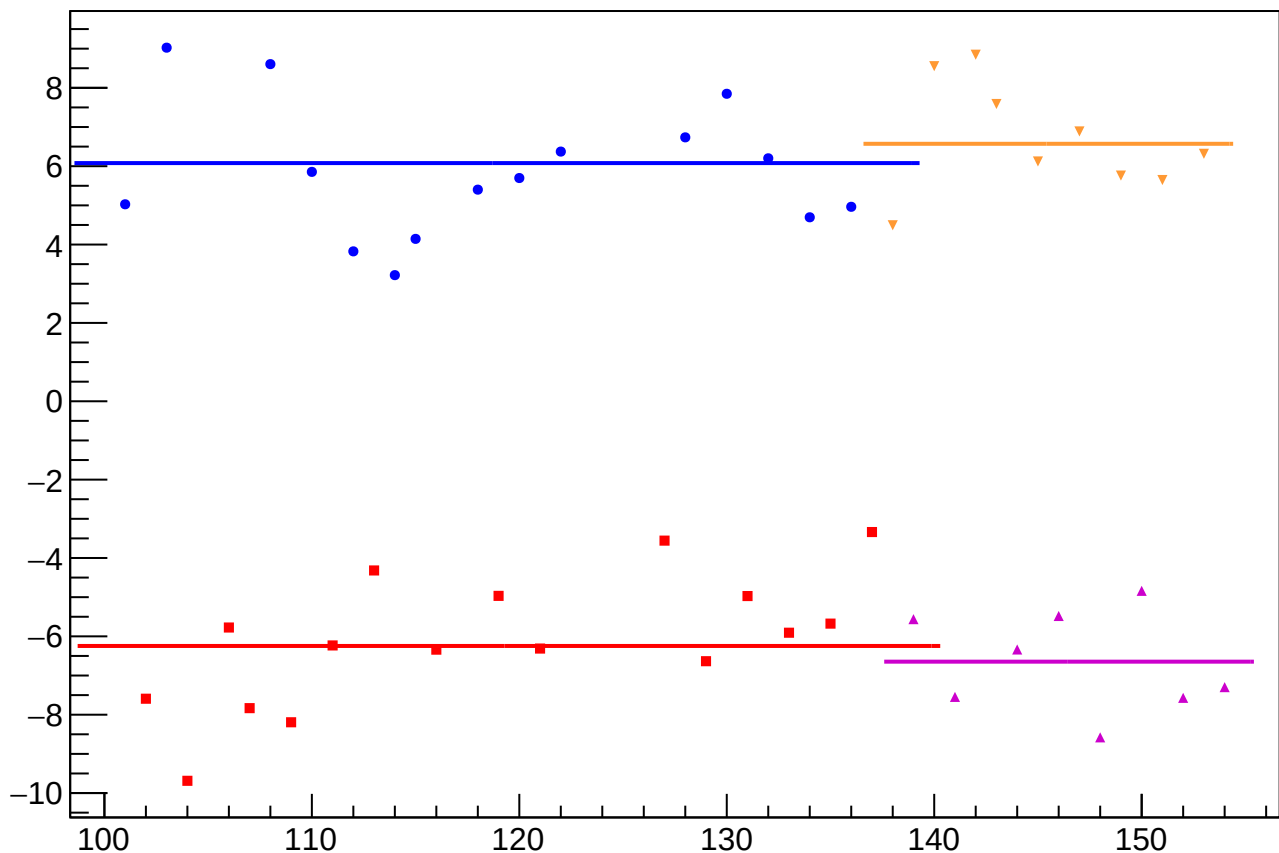
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -77.437+/-0.000	χ^2/NDF : 2088624826968681
Left Out: 1150.698+/-0.000	χ^2/NDF : 37586929183133584961001644800803340288.0/8	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -125.226+/-0.000	χ^2/NDF : 1976535501929842
Left In: -1285.964+/-0.000	χ^2/NDF : 22090664618145164661890170403116023808.0/7	Out: 76.156+/-0.000	χ^2/NDF : 16887561822700349
		All: -24.272+/-0.000	χ^2/NDF : 369249352853

dit_11X12X_coil4_mean vs Slug, Sign Corrected



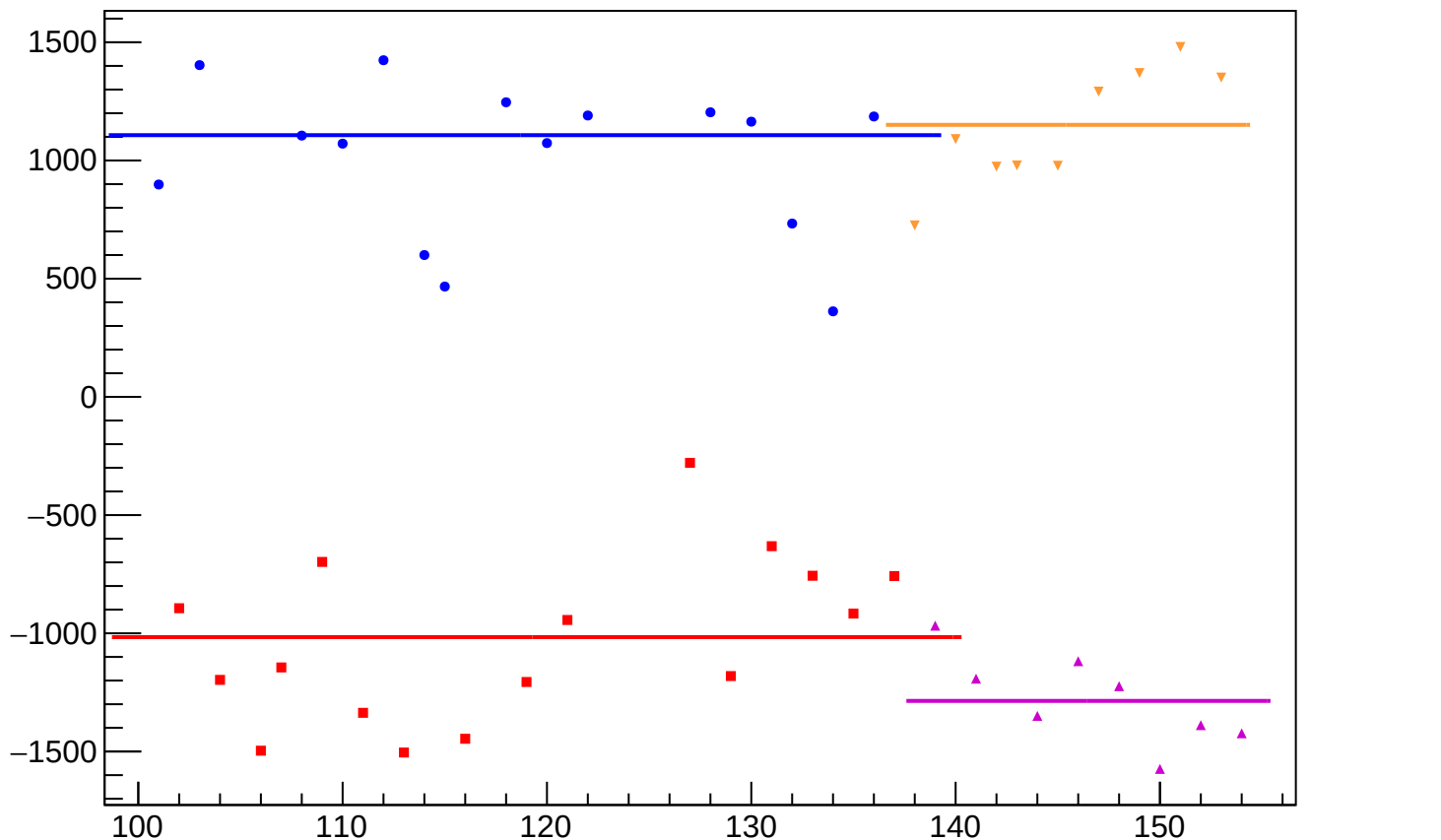
Right In: -0.360 ± 0.000 χ^2/NDF : 2180256348790896849346212178952192.0/14
 Left Out: -0.770 ± 0.000 χ^2/NDF : 922490962945590093466545063723008.0/8
 Right Out: 0.790 ± 0.000 χ^2/NDF : 463078369073343959803422903894016.0/15
 Left In: 0.768 ± 0.000 χ^2/NDF : 487866371216169074135025779212288.0/7
 All: 0.112 ± 0.000 χ^2/NDF : 53285368901180

dit_11X12X_coil4_err_mean vs Slug, Sign Corrected



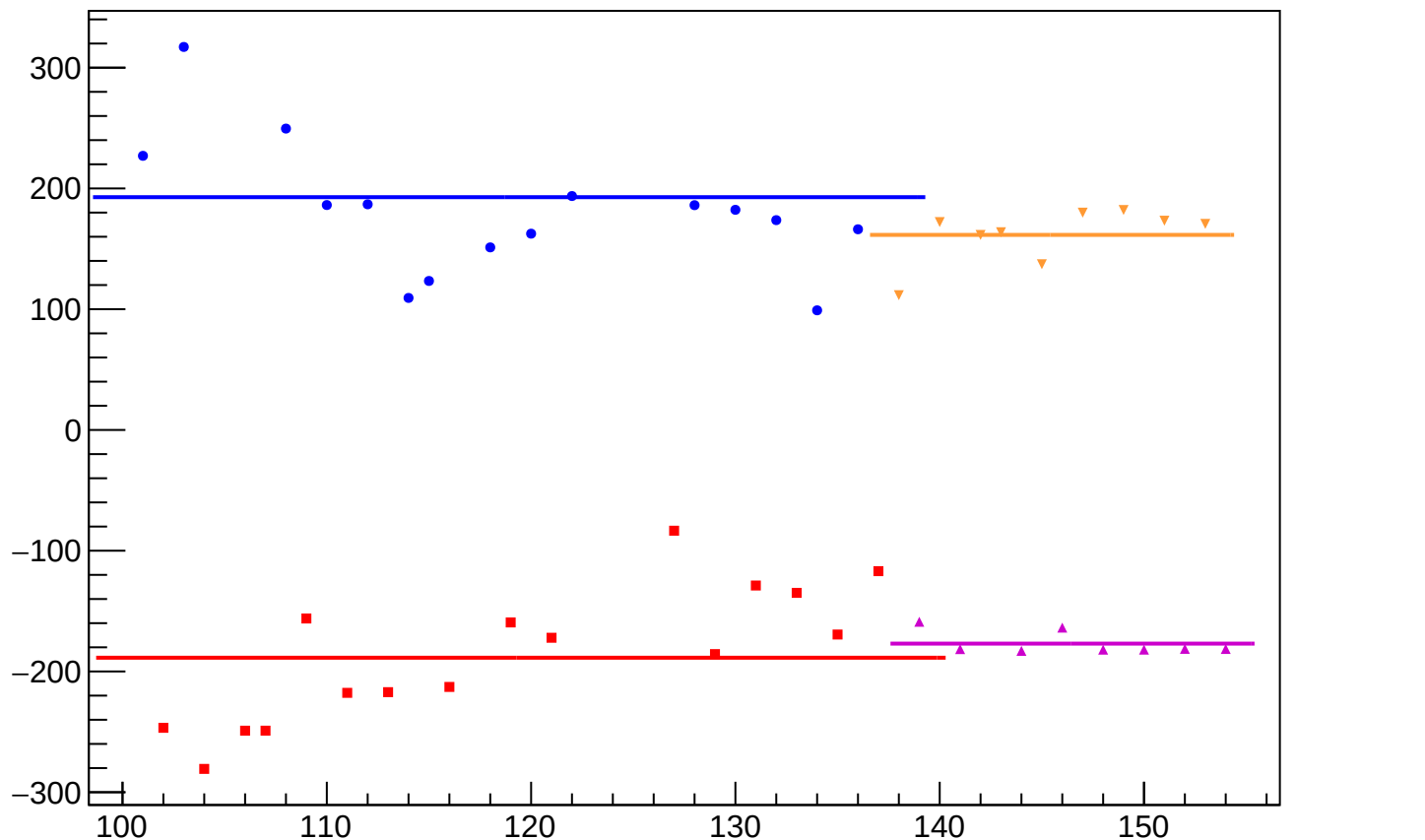
Right In: 6.079 ± 0.000 $\chi^2/\text{NDF}: 1590295171022705157509900448825344.0/14$
 Left Out: 6.572 ± 0.000 $\chi^2/\text{NDF}: 1116911232073825158030979072262144.0/8$
 Right Out: -6.245 ± 0.000 $\chi^2/\text{NDF}: 1816529163105006938510976985595904.0/15$
 Left In: -6.646 ± 0.000 $\chi^2/\text{NDF}: 1008184677736321233740012428722176.0/7$
 All: -0.128 ± 0.000 $\chi^2/\text{NDF}: 1152057338458$

dit_11X12X_coil4_Ndata_mean vs Slug, Sign Corrected



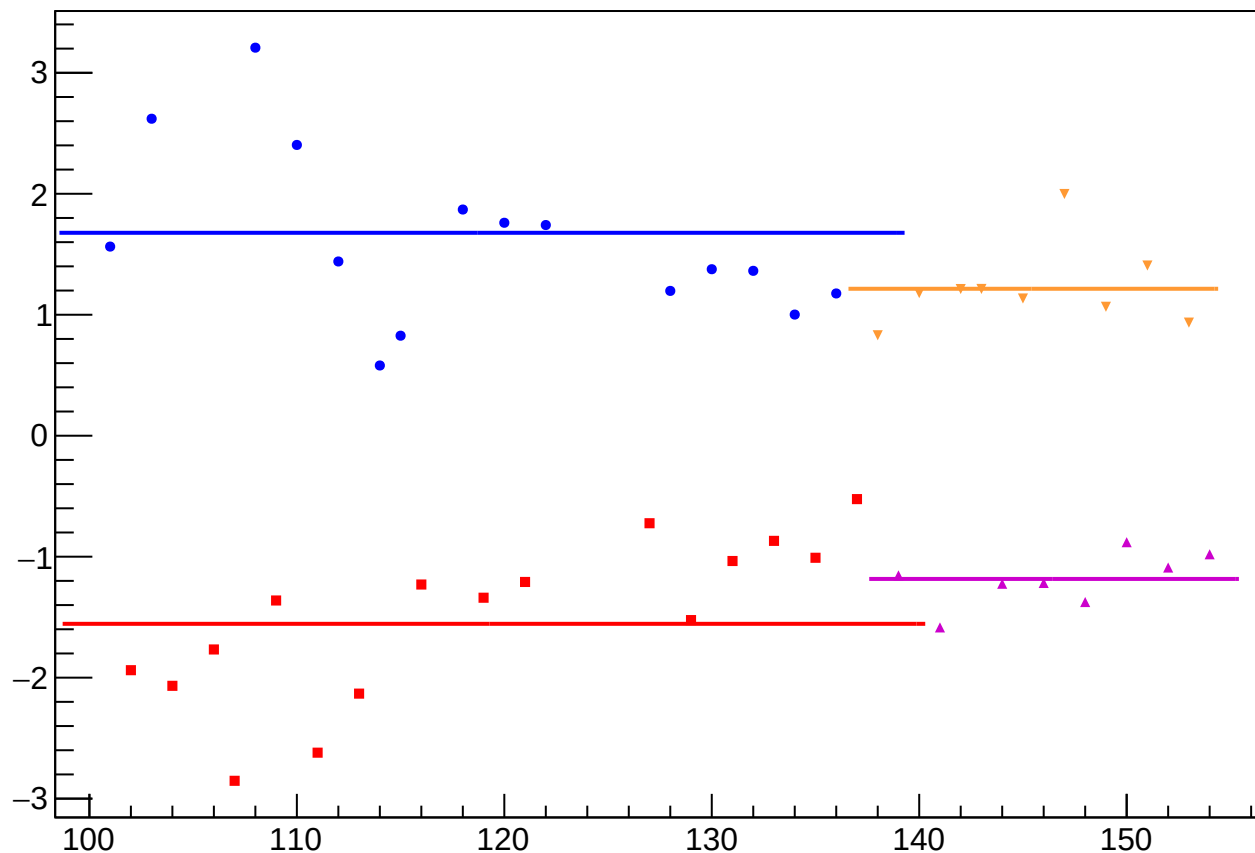
Left: -77.437+/-0.000 χ^2/NDF : 2088624826968681
 Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Right: 30.953+/-0.000 χ^2/NDF : 1595991371539270
 Left Out: 1150.698+/-0.000 χ^2/NDF : 37586929183133584961001644800803340288.0/8
 In: -125.226+/-0.000 χ^2/NDF : 1976535501929842
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Out: 76.156+/-0.000 χ^2/NDF : 16887561822700349
 Left In: -1285.964+/-0.000 χ^2/NDF : 22090664618145164661890170403116023808.0/7
 All: -24.272+/-0.000 χ^2/NDF : 369249352853

dit_4aY_coil4_mean vs Slug, Sign Corrected



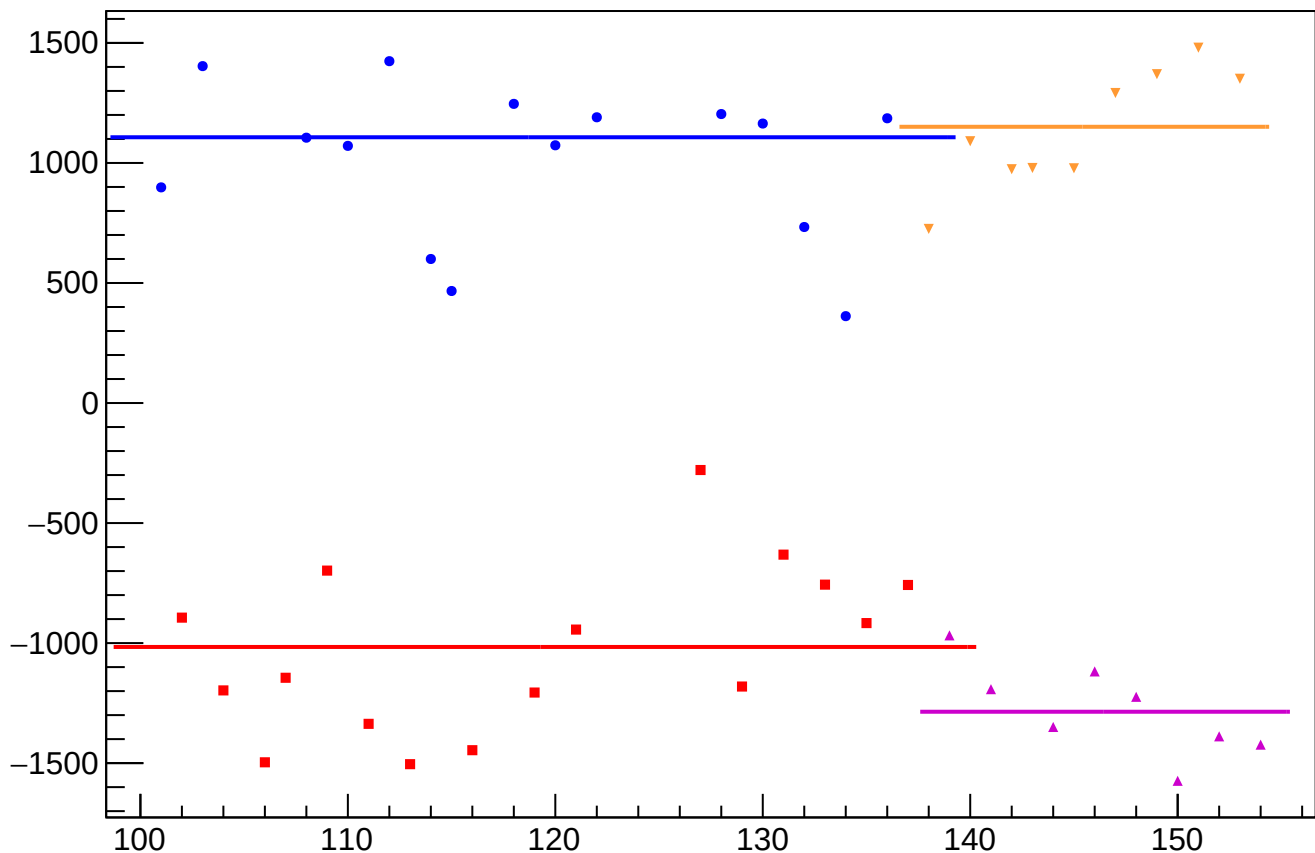
Right In: 192.771 ± 0.000 χ^2/NDF : 1640576279746948433391816936236515328.0/14
 Left Out: 161.532 ± 0.000 χ^2/NDF : 331635813927622035664459940711366656.0/8
 Right Out: -188.612 ± 0.000 χ^2/NDF : 1922342257287674563344204730019610624.0/15
 Left In: -176.937 ± 0.000 χ^2/NDF : 53772356889557985780430990443806720.0/7
 All: -4.878 ± 0.000 χ^2/NDF : 9099106991894

dit_4aY_coil4_err_mean vs Slug, Sign Corrected



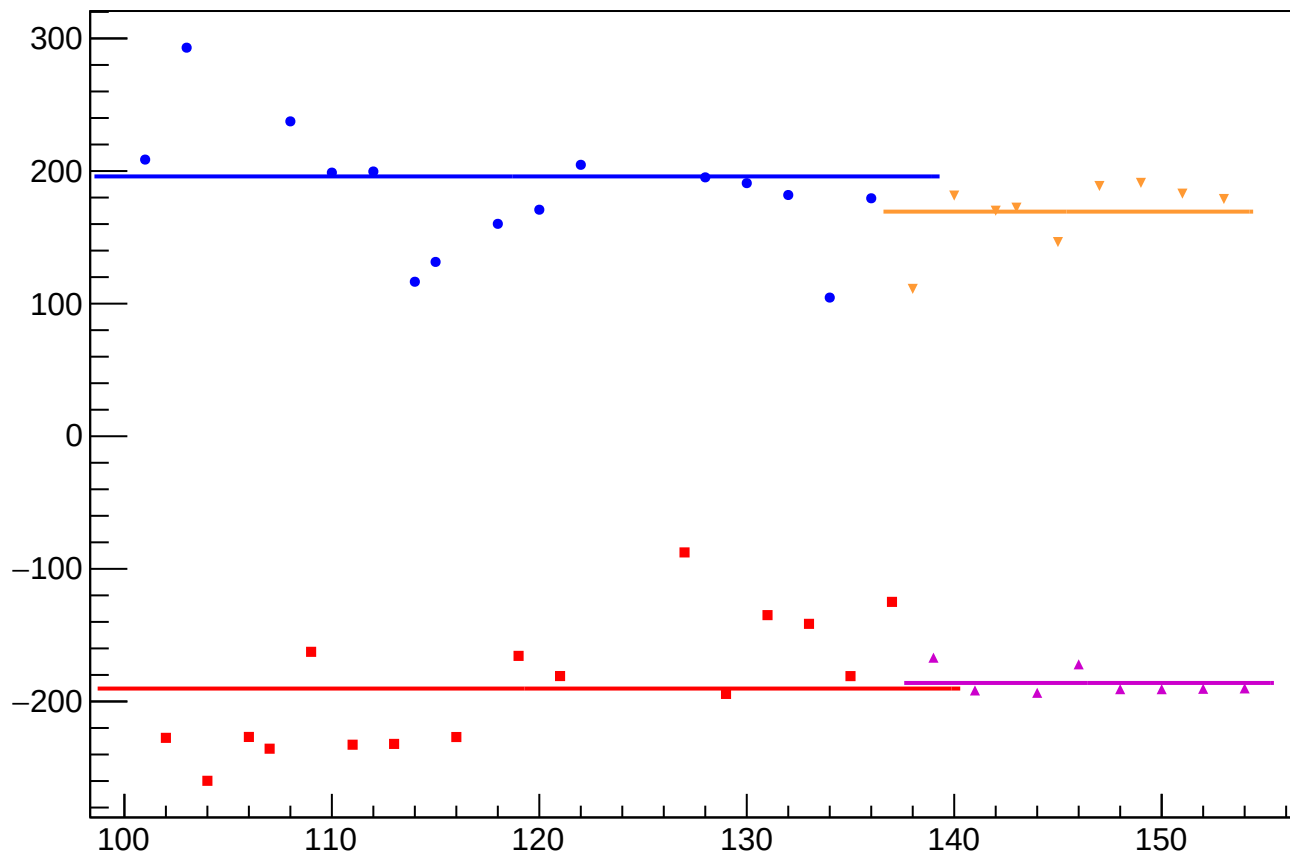
Right In: 1.677 $\pm$ 0.000 χ^2 /NDF: 241879924044788593292791559225344.0/14
 Left Out: 1.215 $\pm$ 0.000 χ^2 /NDF: 71399936940599443410344363425792.0/8
 Right Out: -1.555 $\pm$ 0.000 χ^2 /NDF: 255645951433890296827677195108352.0/15
 Left In: -1.184 $\pm$ 0.000 χ^2 /NDF: 29871351572643578316808651800576.0/7
 All: 0.022 $\pm$ 0.000 χ^2 /NDF: 60026631238681.0/34

dit_4aY_coil4_Ndata_mean vs Slug, Sign Corrected



Left: -77.437 +/- 0.000 χ^2/NDF : 2088624826968681
 Right In: 1107.052 +/- 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Right: 30.953 +/- 0.000 χ^2/NDF : 1595991371539270
 Left Out: 1150.698 +/- 0.000 χ^2/NDF : 37586929183133584961001644800803340288.0/8
 In: -125.226 +/- 0.000 χ^2/NDF : 1976535501929842
 Right Out: -1016.106 +/- 0.000 χ^2/NDF : 72567664333509192712184310037150171136.0/15
 Out: 76.156 +/- 0.000 χ^2/NDF : 16887561822700349
 Left In: -1285.964 +/- 0.000 χ^2/NDF : 22090664618145164661890170403116023808.0/7
 All: -24.272 +/- 0.000 χ^2/NDF : 369249352853

dit_4eY_coil4_mean vs Slug, Sign Corrected



Right In: 195.940 $\pm$ 0.000

χ^2 /NDF: 1057891079869089572370479093183938560.0/14

Left Out: 169.393 $\pm$ 0.000

χ^2 /NDF: 410492429792821430733208469970616320.0/8

Right Out: -190.268 $\pm$ 0.000

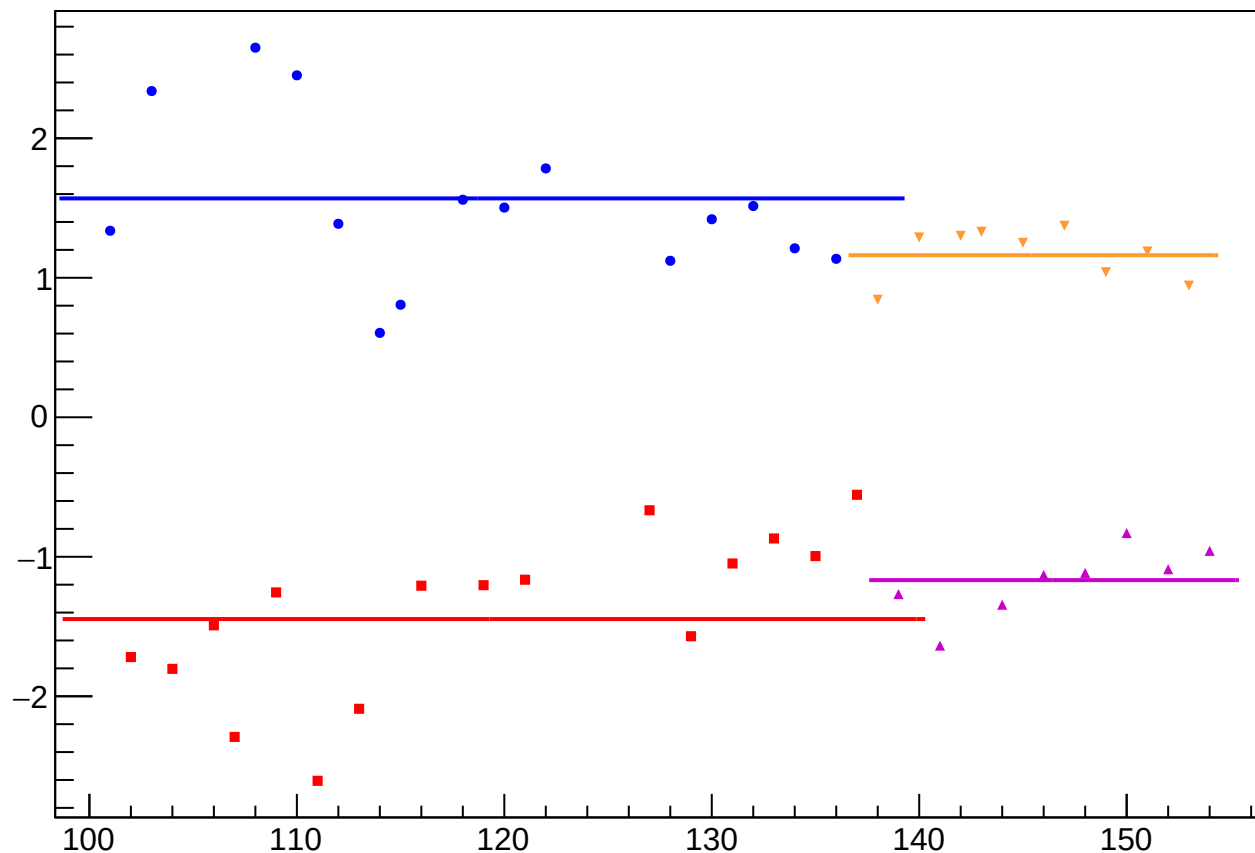
χ^2 /NDF: 1468473073667973330267084234323656704.0/15

Left In: -186.043 $\pm$ 0.000

χ^2 /NDF: 60454506696130082040912568037408768.0/7

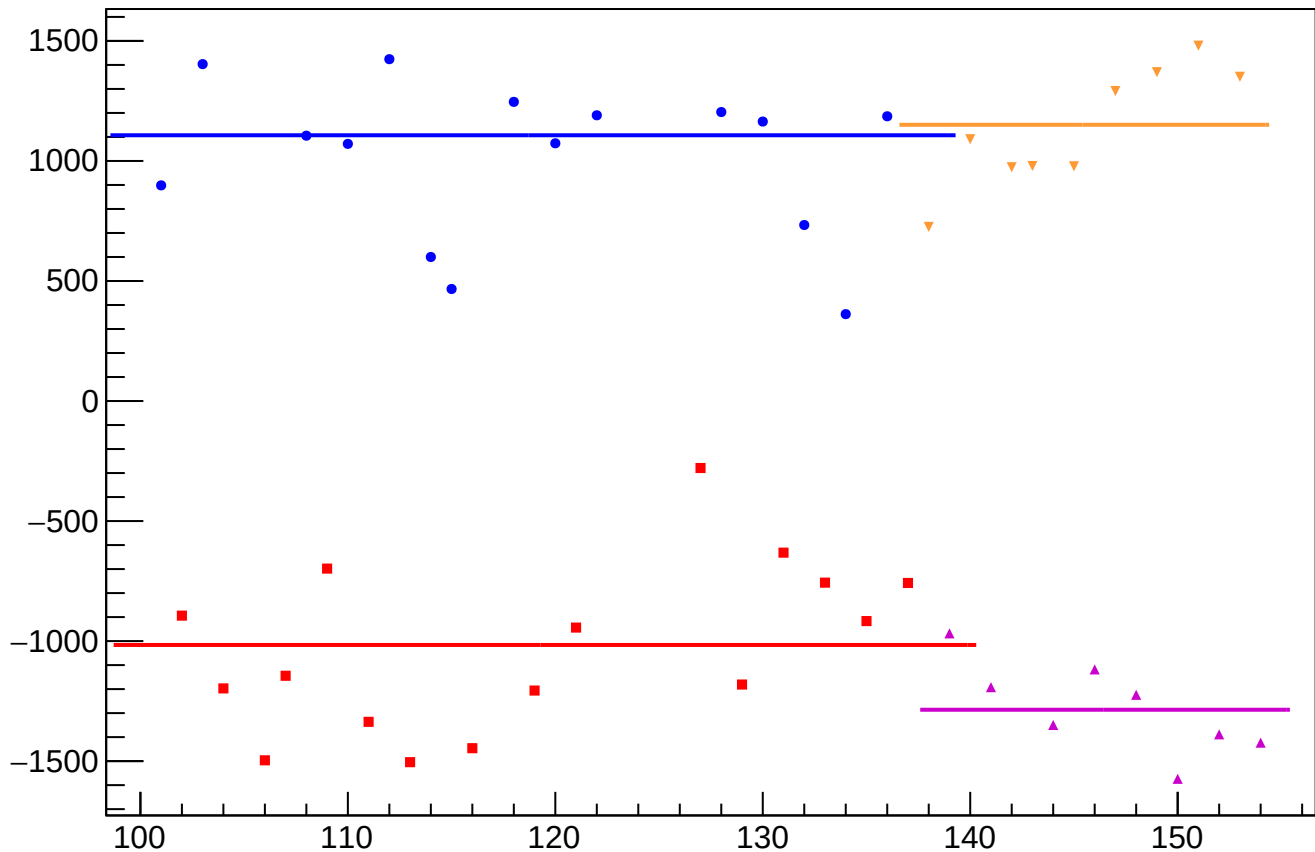
All: -4.875 $\pm$ 0.000 χ^2 /NDF: 9529908339425

dit_4eY_coil4_err_mean vs Slug, Sign Corrected



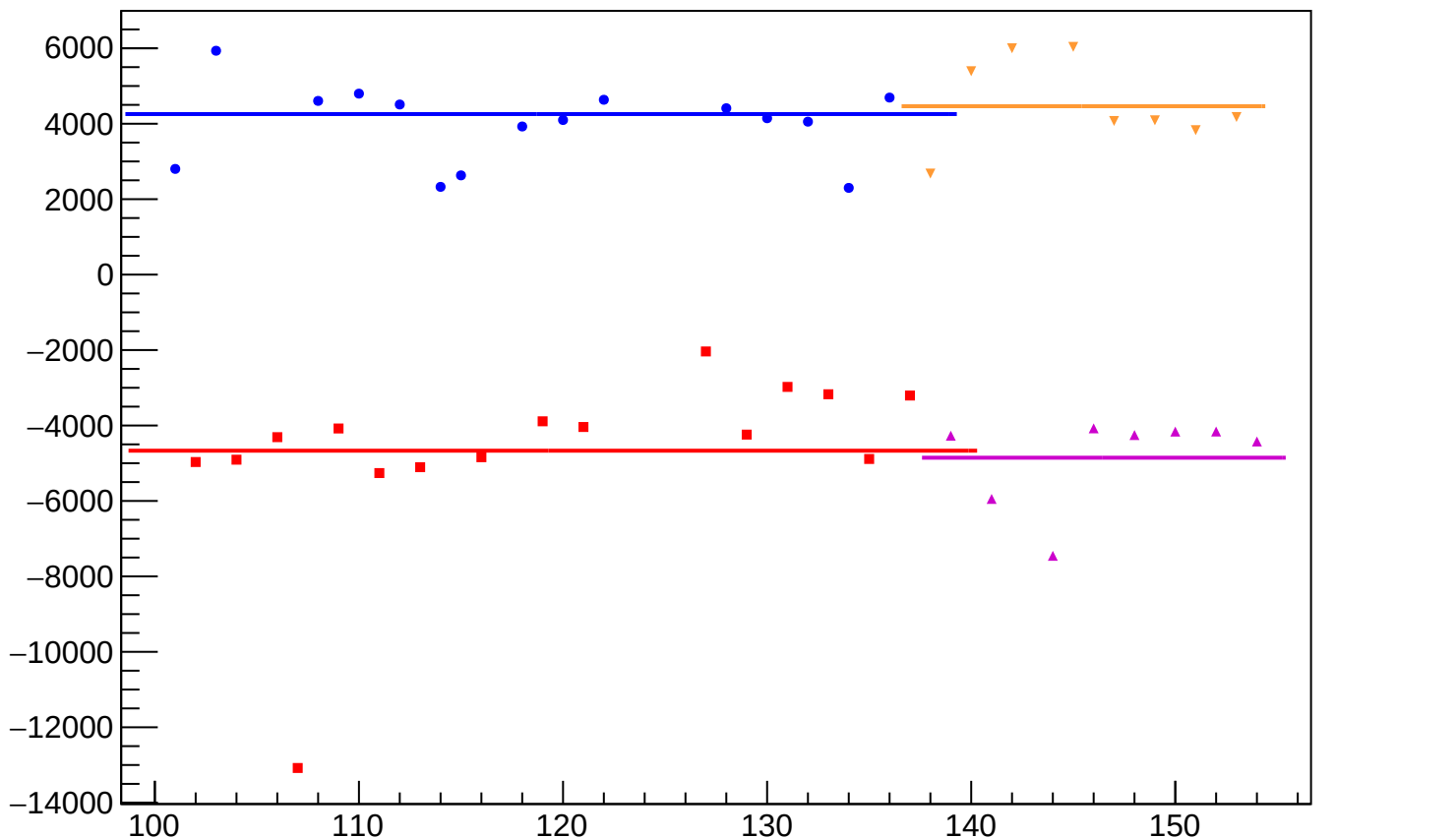
Right In: 1.569 ± 0.000 $\chi^2/\text{NDF}: 162849195668123380789610540957696.0/14$
 Left Out: 1.162 ± 0.000 $\chi^2/\text{NDF}: 21528936917662522082189761314816.0/8$
 Right Out: -1.446 ± 0.000 $\chi^2/\text{NDF}: 196296653917523352443271052787712.0/15$
 Left In: -1.167 ± 0.000 $\chi^2/\text{NDF}: 37448940717677712094004391182336.0/7$
 All: 0.014 ± 0.000 $\chi^2/\text{NDF}: 52647666580029$

dit_4eY_coil4_Ndata_mean vs Slug, Sign Corrected



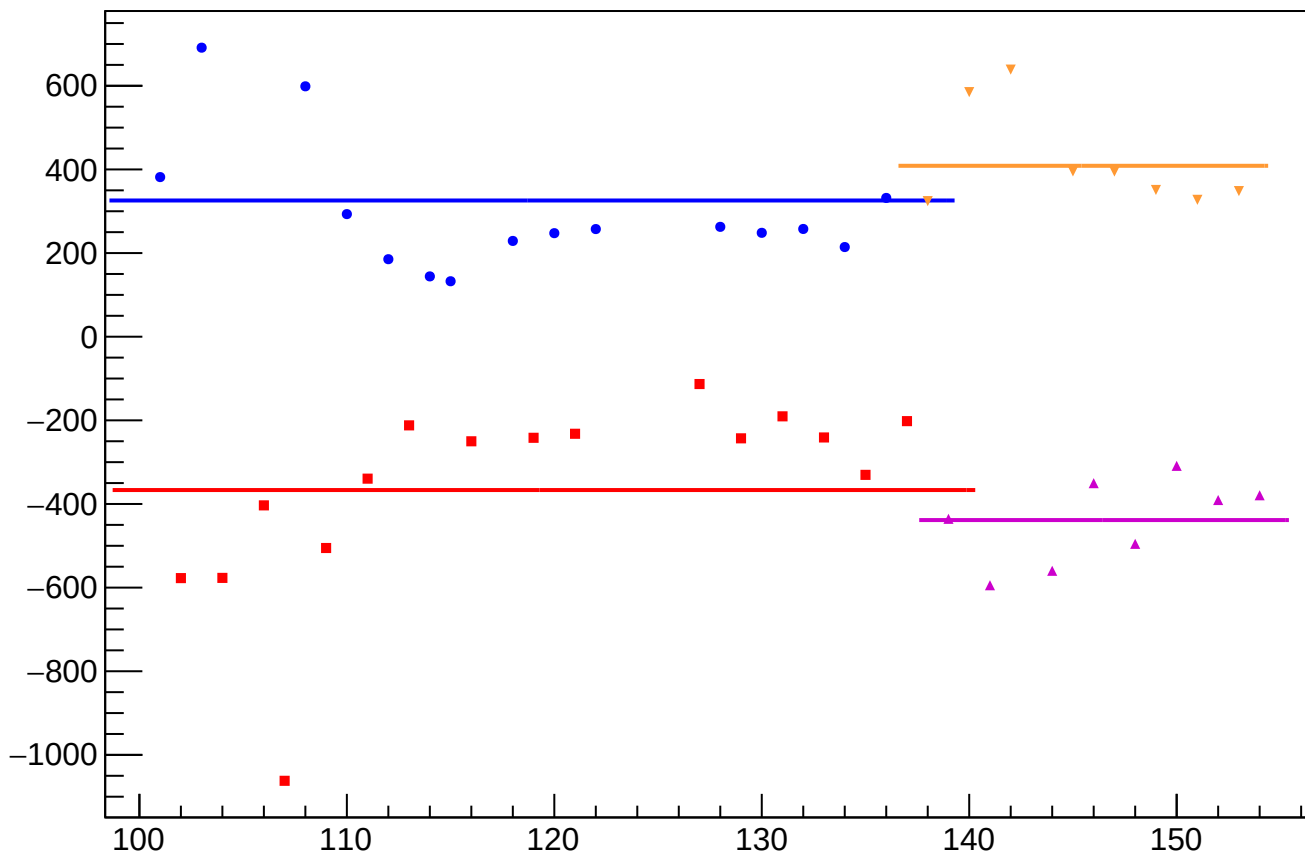
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -77.437+/-0.000	χ^2/NDF : 2088624826968681
Left Out: 1150.698+/-0.000	χ^2/NDF : 37586929183133584961001644800803340288.0/8	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -125.226+/-0.000	χ^2/NDF : 1976535501929842
Left In: -1285.964+/-0.000	χ^2/NDF : 22090664618145164661890170403116023808.0/7	Out: 76.156+/-0.000	χ^2/NDF : 16887561822700349
	All: -24.272+/-0.000		χ^2/NDF : 369249352853

dit_usl_coil4_mean vs Slug, Sign Corrected



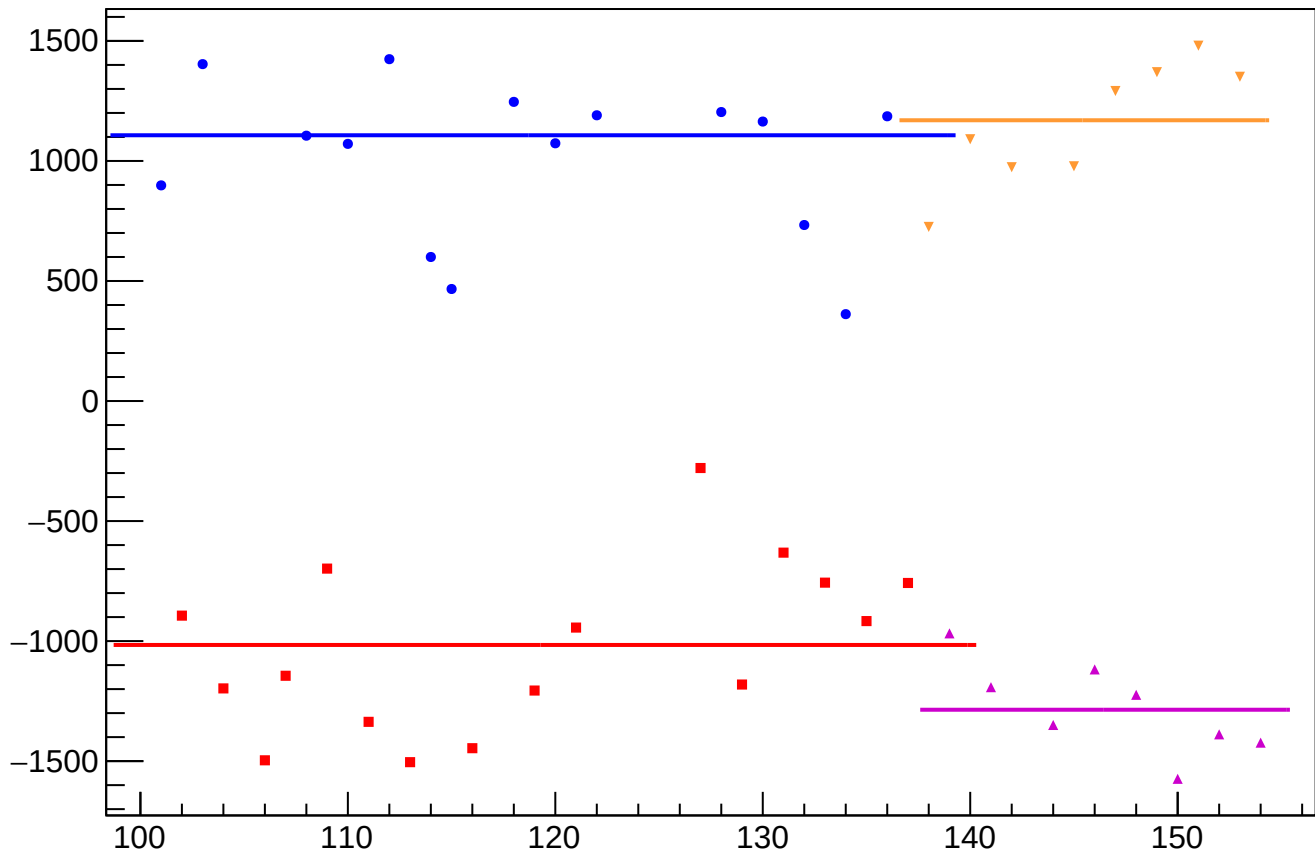
Right In: 4256.386+/-0.000 χ^2/NDF : 498605412551624859672454954159576186880.0/14
 Left Out: 4463.458+/-0.000 χ^2/NDF : 689856772555163851059317999189132050432.0/7
 Right Out: -4667.832+/-0.000 χ^2/NDF : 3201925535782807450320951772159309512704.0/15
 Left In: -4853.854+/-0.000 χ^2/NDF : 913561724477843792427407081787495546880.0/7
 All: -370.100+/-0.000 χ^2/NDF : 59641865642

dit_usl_coil4_err_mean vs Slug, Sign Corrected



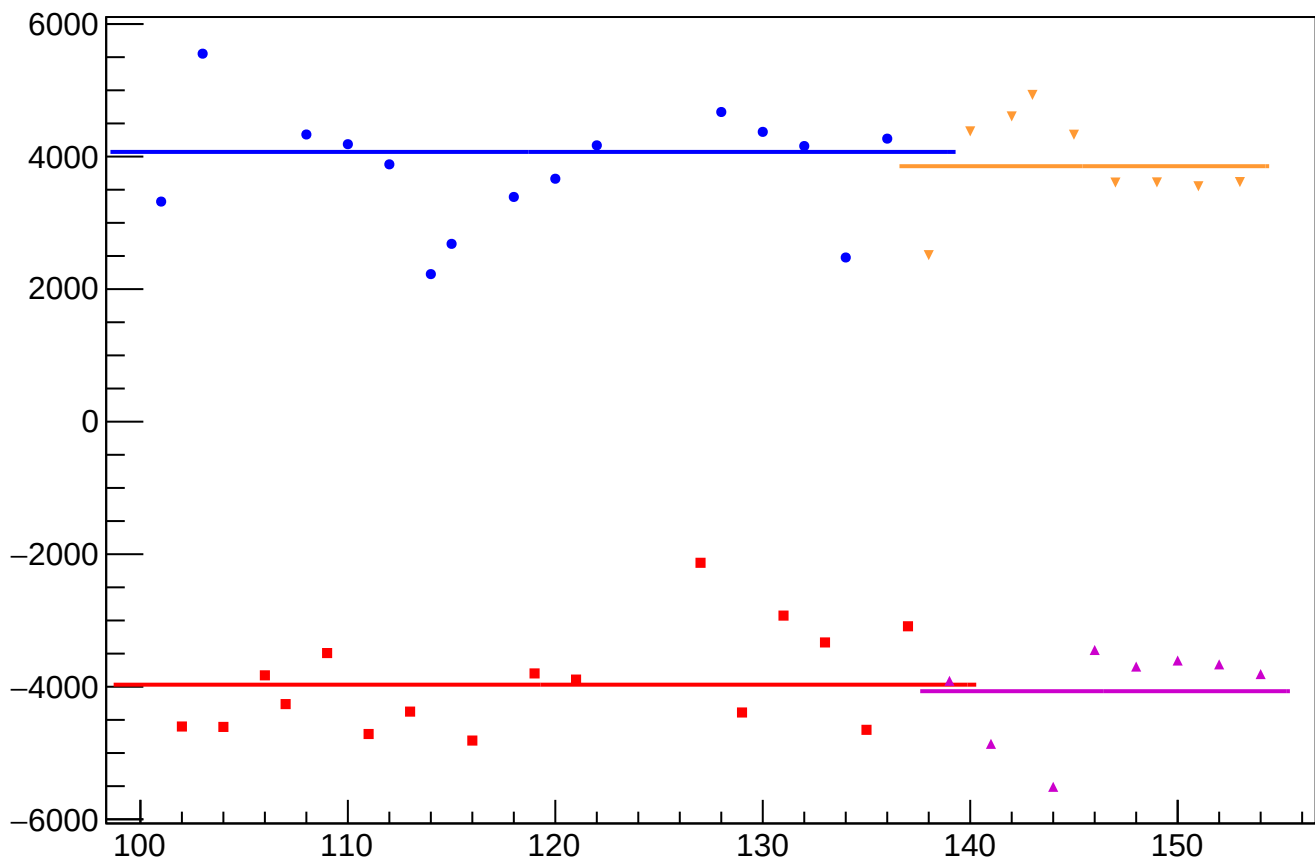
Right In: 325.732 $\pm$ 0.000 χ^2 /NDF: 14633359567940244123897242769854300160.0/14
 Left Out: 408.710 $\pm$ 0.000 χ^2 /NDF: 6666413512488486216350839514448527360.0/7
 Right Out: -366.682 $\pm$ 0.000 χ^2 /NDF: 32097250699947956409117440115398934528.0/15
 Left In: -438.468 $\pm$ 0.000 χ^2 /NDF: 6334444531936088440865773421108133888.0/7
 All: -32.706 $\pm$ 0.000 χ^2 /NDF: 450001973223

dit_usl_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052 $\pm$ 0.000 χ^2 /NDF: 40633831787810179240542210398269472768.0/14
 Left Out: 1169.514 $\pm$ 0.000 χ^2 /NDF: 35397841067317379112874814361412042752.0/7
 Right Out: -1016.106 $\pm$ 0.000 χ^2 /NDF: 7256766433509192712184310037150171136.0/15
 Left In: -1285.964 $\pm$ 0.000 χ^2 /NDF: 22090664618145164661890170403116023808.0/7
 All: -49.970 $\pm$ 0.000 χ^2 /NDF: 362331271909

dit_usr_coil4_mean vs Slug, Sign Corrected



Right In: 4070.444+/-0.000

χ^2/NDF : 343281875282695739956383156295247593472.0/14

Left Out: 3854.826+/-0.000

χ^2/NDF : 306654991046223050636484955666496094208.0/8

Right Out: -3968.723+/-0.000

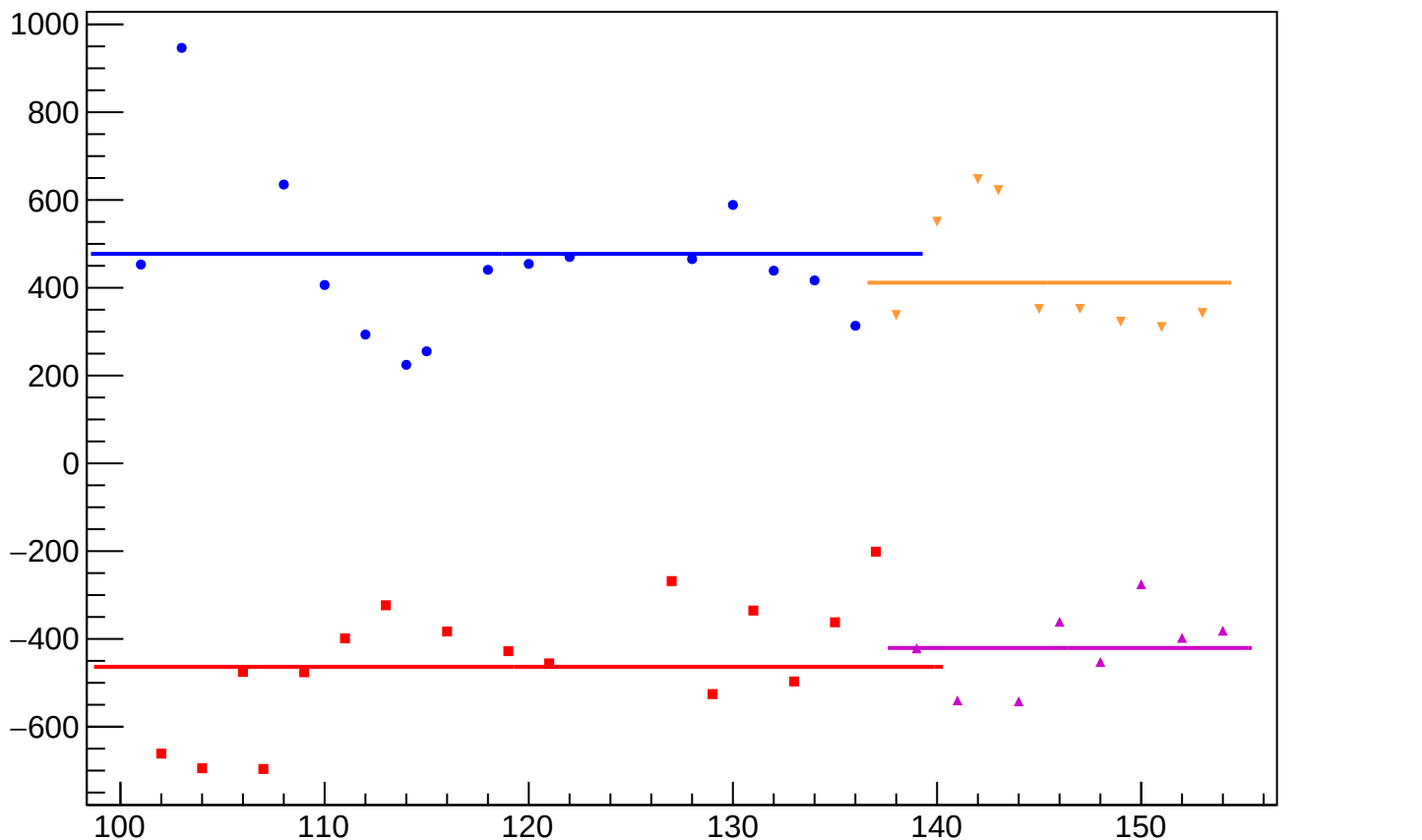
χ^2/NDF : 359955880326194784467353369492594884608.0/15

Left In: -4067.070+/-0.000

χ^2/NDF : 324224344079754271195207744179536920576.0/7

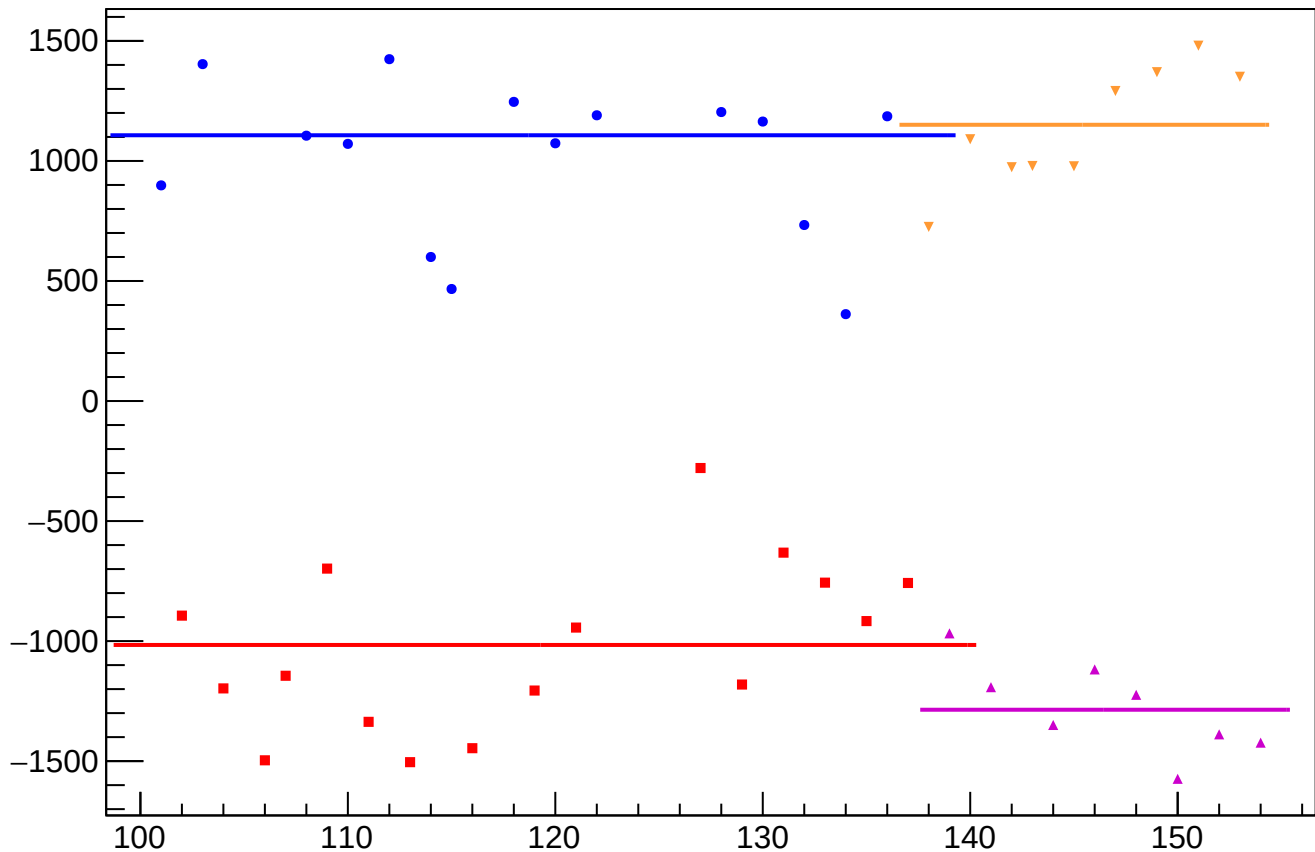
All: -72.329+/-0.000 χ^2/NDF : 440504540659

dit_usr_coil4_err_mean vs Slug, Sign Corrected



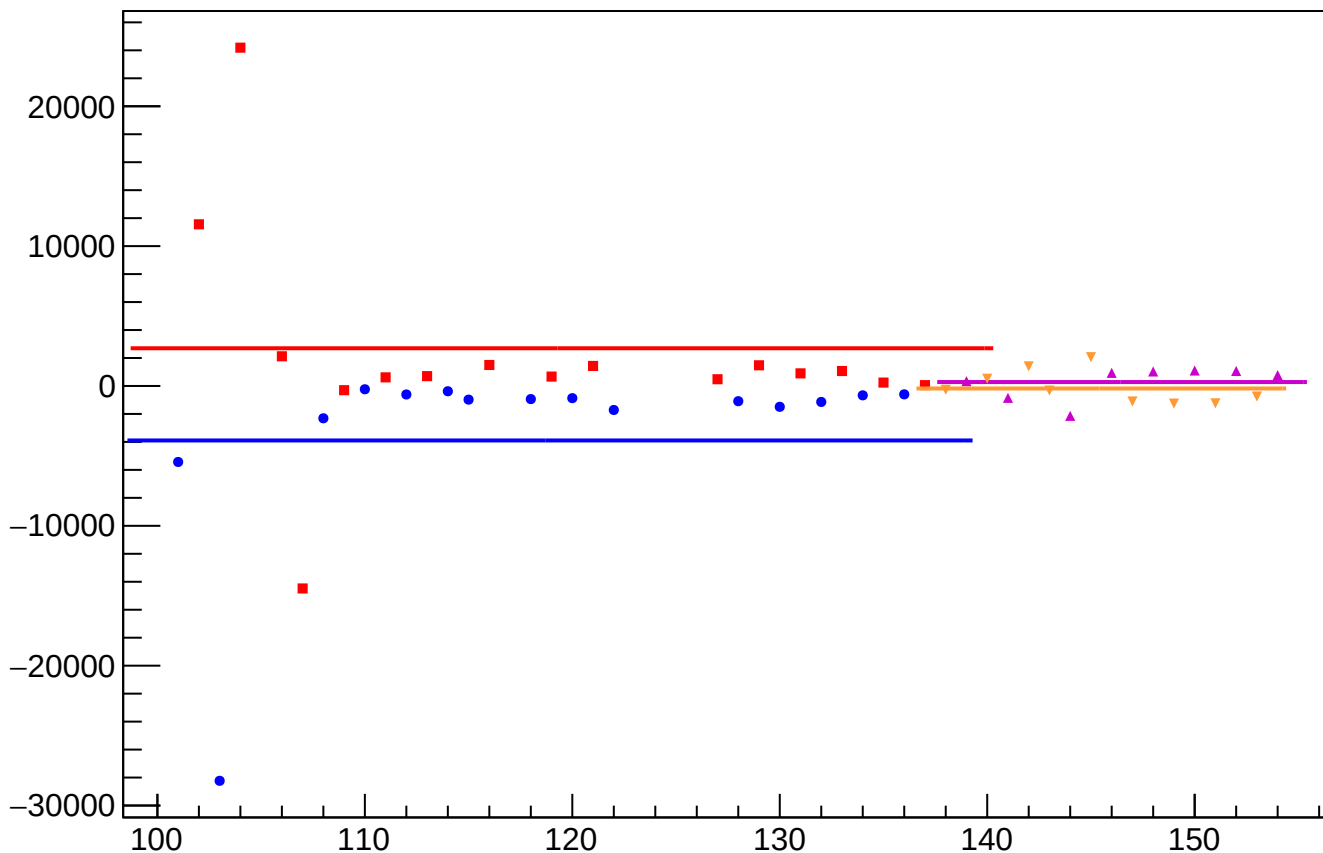
Left: -7.853 ± 0.000 $\chi^2/\text{NDF}: 25161284440188394$
 Right In: 477.186 ± 0.000 $\chi^2/\text{NDF}: 20455719931758379978892605184974782464.0/14$
 Left Out: 411.562 ± 0.000 $\chi^2/\text{NDF}: 9971631271693083015983510616314740736.0/8$
 Right Out: -463.513 ± 0.000 $\chi^2/\text{NDF}: 12556777931069903370031832388184571904.0/15$
 Left In: -420.572 ± 0.000 $\chi^2/\text{NDF}: 5012795214821043410004385734986825728.0/7$
 All: -3.803 ± 0.000 $\chi^2/\text{NDF}: 5757534772661$

dit_usr_coil4_Ndata_mean vs Slug, Sign Corrected



Left: -77.437 ± 0.000 $\chi^2/\text{NDF}: 2088624826968681$
 Right In: 1107.052 ± 0.000 $\chi^2/\text{NDF}: 40633831787810179240542210398269472768.0/14$
 Left Out: 1150.698 ± 0.000 $\chi^2/\text{NDF}: 37586929183133584961001644800803340288.0/8$
 Right Out: -1016.106 ± 0.000 $\chi^2/\text{NDF}: 72567664333509192712184310037150171136.0/15$
 Left In: -1285.964 ± 0.000 $\chi^2/\text{NDF}: 22090664618145164661890170403116023808.0/7$
 All: -24.272 ± 0.000 $\chi^2/\text{NDF}: 369249352853$

dit_atl1_coil4_mean vs Slug, Sign Corrected



Right In: -3896.522+/-0.000

χ^2/NDF : 39618598516481020448248440670012984786944.0/14

Left Out: -179.831+/-0.000

χ^2/NDF : 842699252860840434657692527000750653440.0/8

Right Out: 2695.992+/-0.000

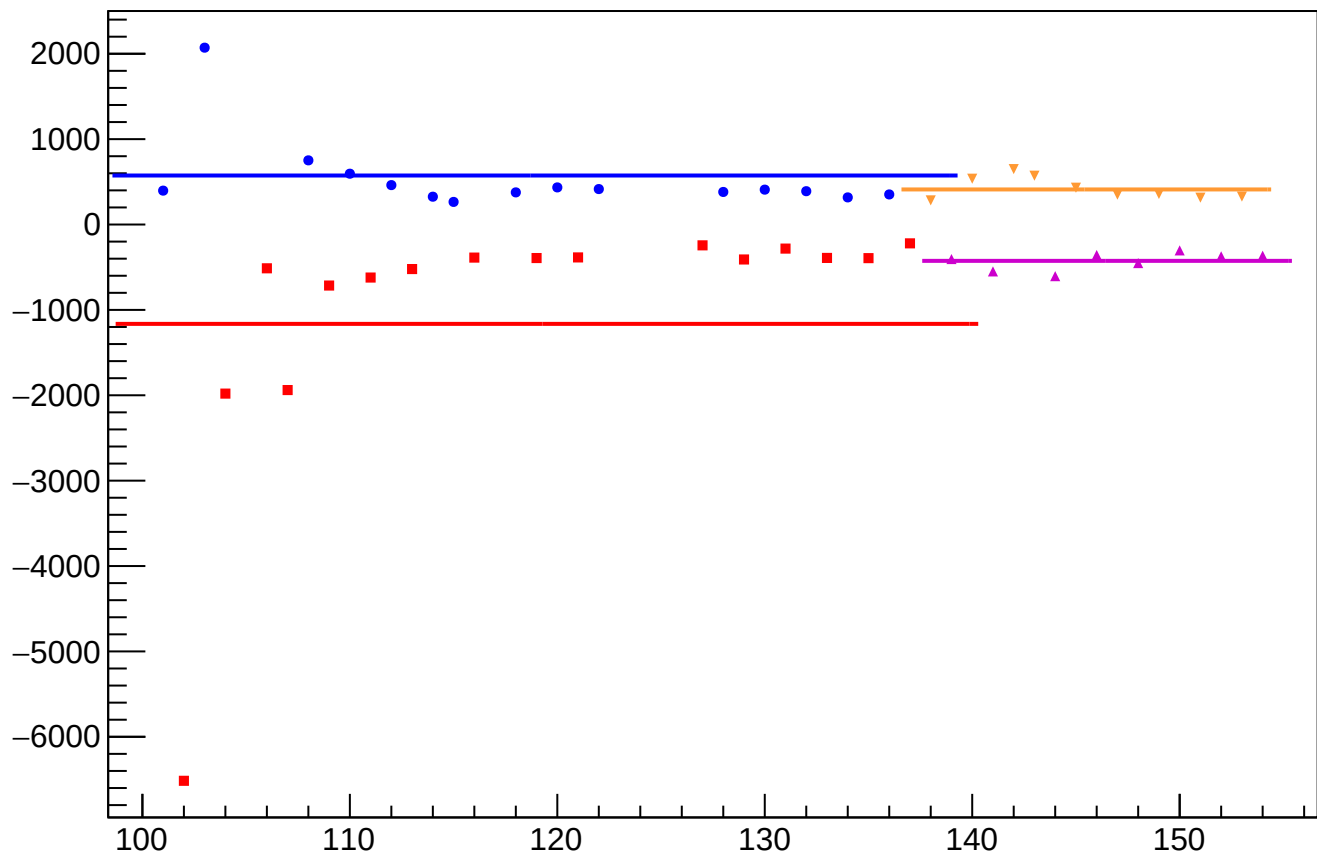
χ^2/NDF : 40822463071462352124212058386591729582080.0/15

Left In: 281.109+/-0.000

χ^2/NDF : 851139848824232486259400396652643614720.0/7

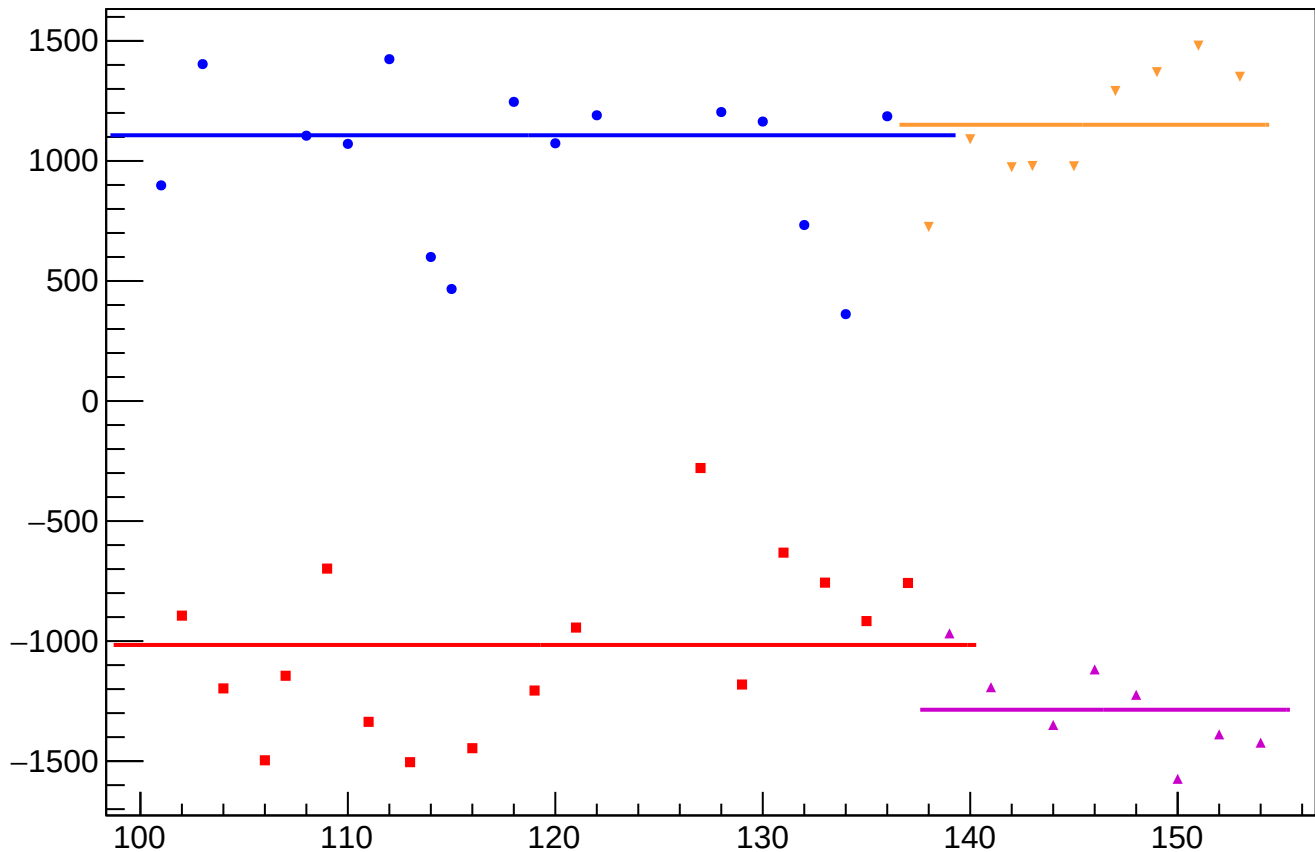
All: -245.568+/-0.000 χ^2/NDF : 96751175546

dit_atl1_coil4_err_mean vs Slug, Sign Corrected



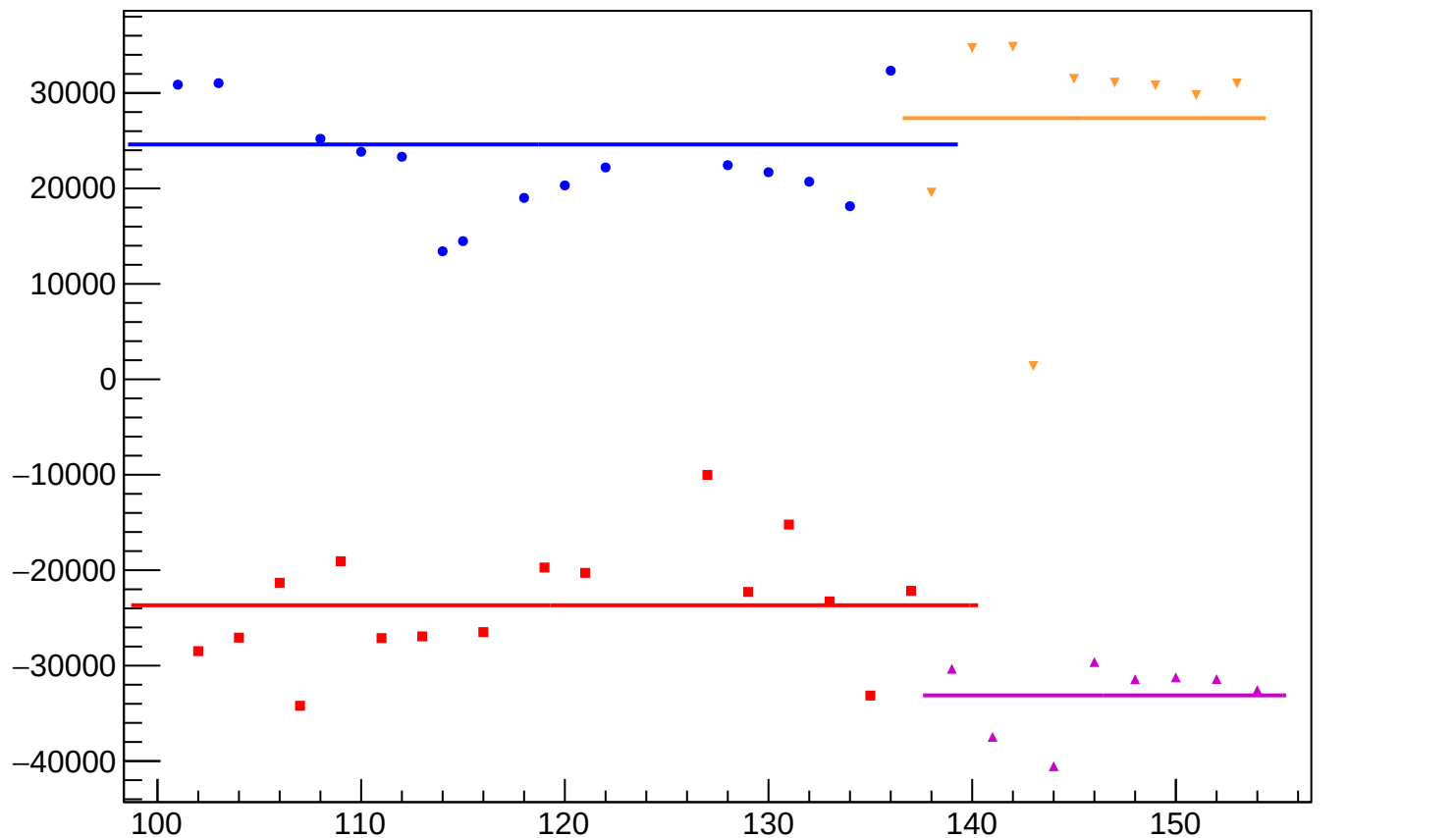
Right In: 574.055+/-0.000 χ^2/NDF : 152105229889160423018493709582390525952.0/14
 Left Out: 410.817+/-0.000 χ^2/NDF : 8789600792330653624781750876827025408.0/8
 Right Out: -1163.697+/-0.000 χ^2/NDF : 2003194396475465337190154787515183136768.0/15
 Left In: -425.610+/-0.000 χ^2/NDF : 6579964202031733804996732902724075520.0/7
 All: -155.921+/-0.000 χ^2/NDF : 34617930769

dit_atl1_coil4_Ndata_mean vs Slug, Sign Corrected



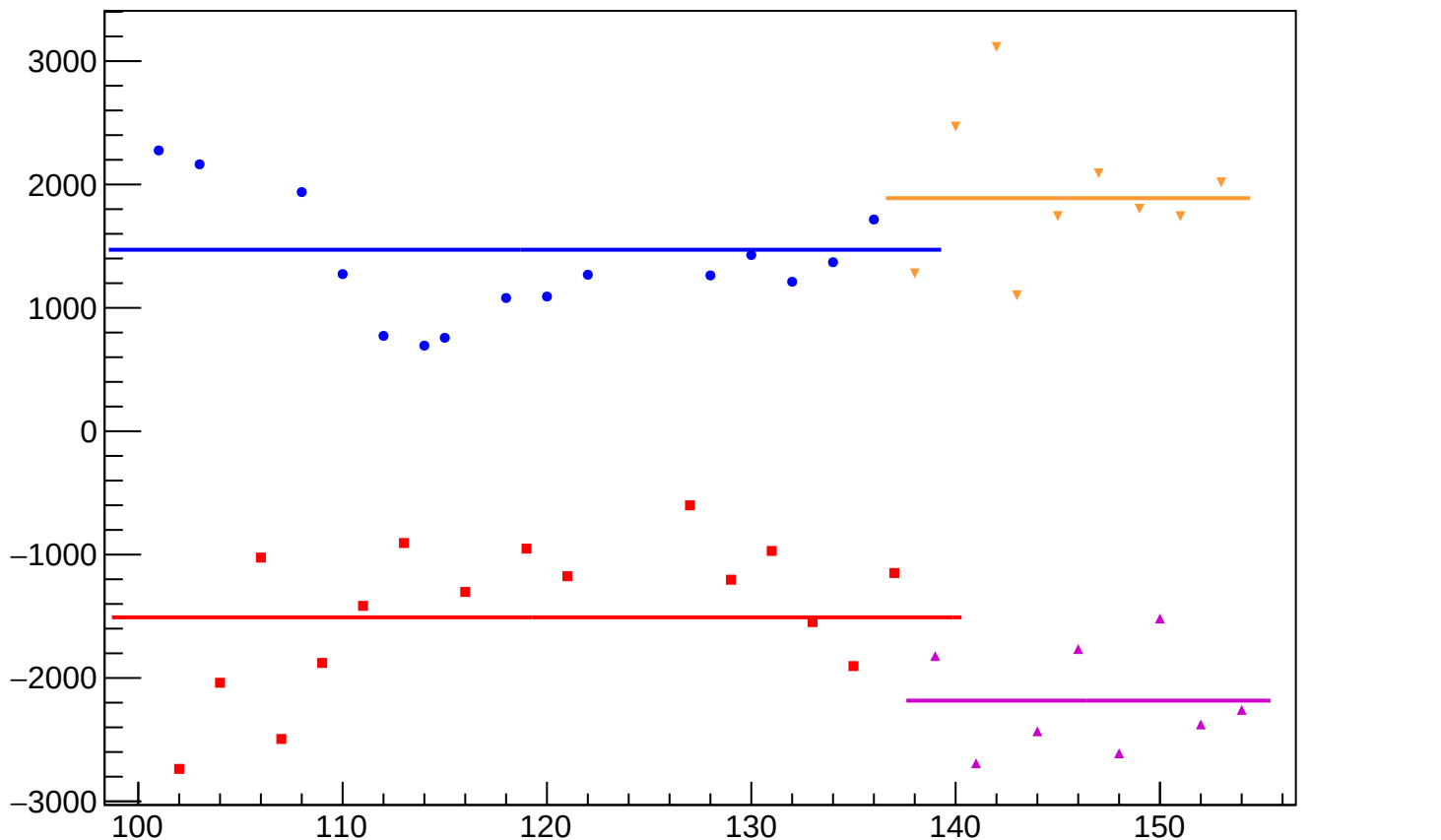
Right In: 1107.052 $\pm$ 0.000 χ^2 /NDF: 40633831787810179240542210398269472768.0/14
 Left Out: 1150.698 $\pm$ 0.000 χ^2 /NDF: 37586929183133584961001644800803340288.0/8
 Right Out: -1016.106 $\pm$ 0.000 χ^2 /NDF: 7256766433509192712184310037150171136.0/15
 Left In: -1285.964 $\pm$ 0.000 χ^2 /NDF: 22090664618145164661890170403116023808.0/7
 All: -24.272 $\pm$ 0.000 χ^2 /NDF: 369249352853

dit_atl2_coil4_mean vs Slug, Sign Corrected



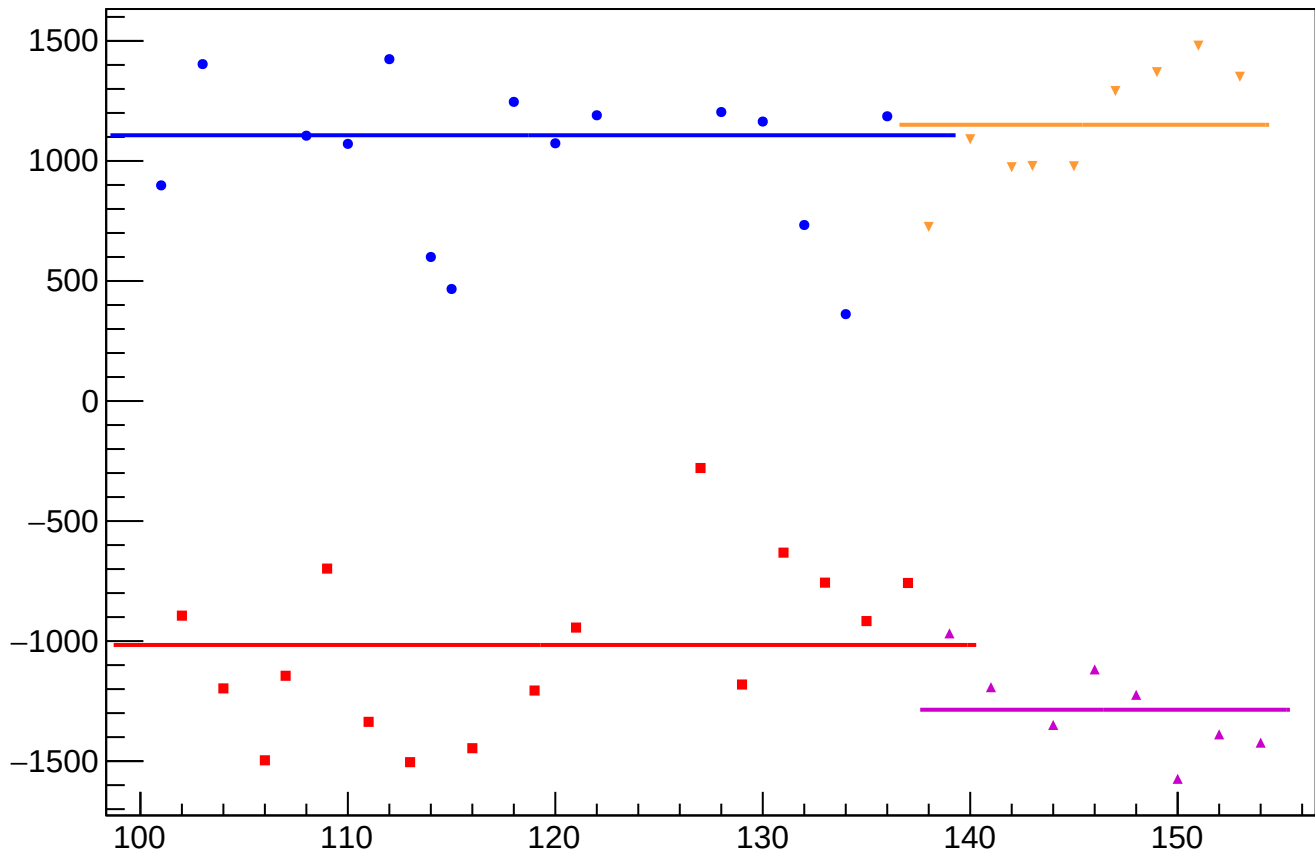
Right In: 24608.761+/-0.000 χ^2/NDF : 17555600427140701787636759084167268925440.0/14
 Left Out: 27369.012+/-0.000 χ^2/NDF : 61932044193587740423958153132425229631488.0/8
 Right Out: -23673.937+/-0.000 χ^2/NDF : 24824229344827567313624871677295341862912.0/15
 Left In: -33115.625+/-0.000 χ^2/NDF : 8994265927939909242815109490597334876160.0/7
 All: -1520.651+/-0.000 χ^2/NDF : 2137407093

dit_atl2_coil4_err_mean vs Slug, Sign Corrected



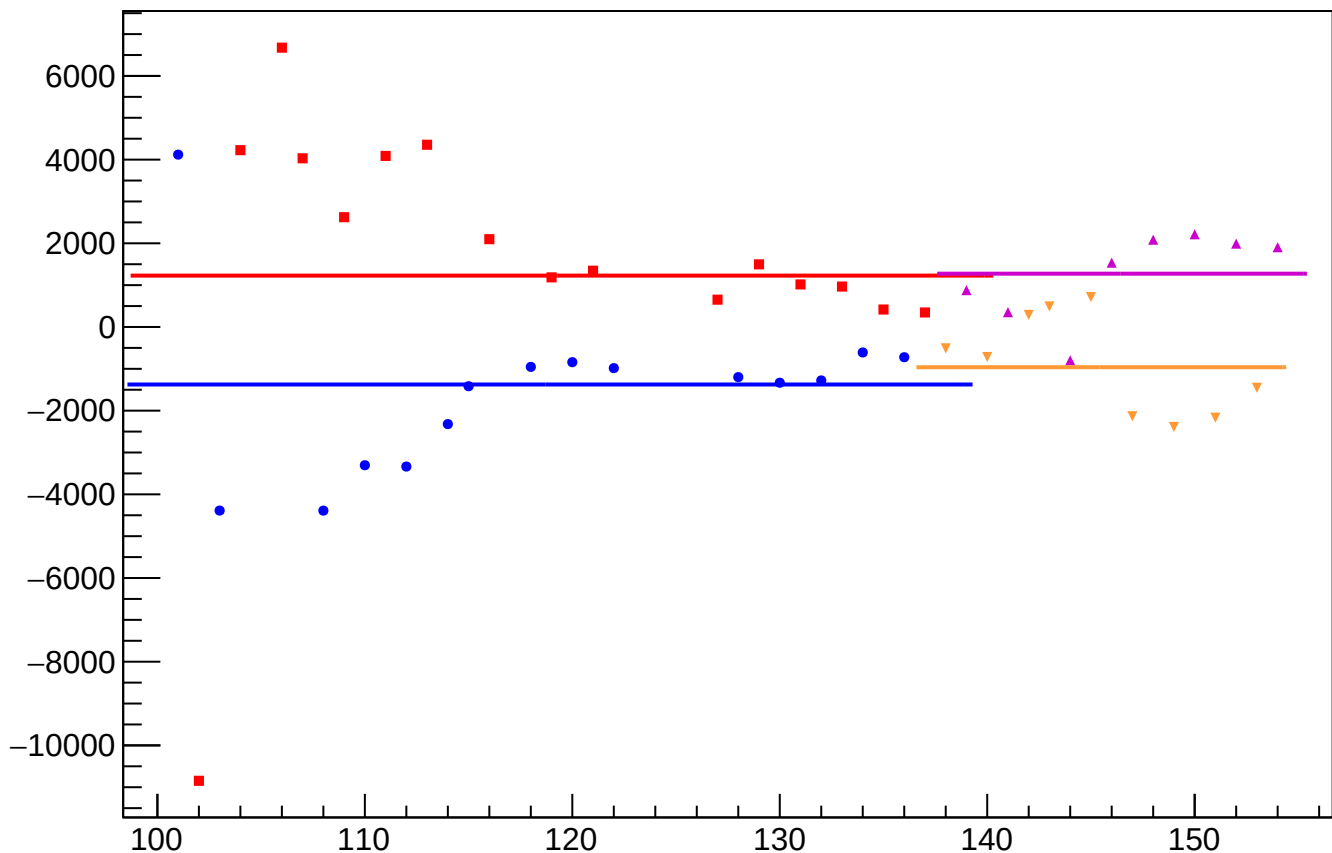
Right In: 1471.095+/-0.000 χ^2/NDF : 139174979420467841073894167956452016128.0/14
 Left Out: 1888.930+/-0.000 χ^2/NDF : 175882646291014424273582827980105711616.0/8
 Right Out: -1508.451+/-0.000 χ^2/NDF : 250085163770425050605763446985715613696.0/15
 Left In: -2183.438+/-0.000 χ^2/NDF : 111883677528505118311873993274636107776.0/7
 All: -102.531+/-0.000 χ^2/NDF : 92749244412

dit_atl2_coil4_Ndata_mean vs Slug, Sign Corrected



Left: -77.437 ± 0.000 $\chi^2/\text{NDF}: 2088624826968681$
 Right In: 1107.052 ± 0.000 $\chi^2/\text{NDF}: 40633831787810179240542210398269472768.0/14$
 Left Out: 1150.698 ± 0.000 $\chi^2/\text{NDF}: 37586929183133584961001644800803340288.0/8$
 Right Out: -1016.106 ± 0.000 $\chi^2/\text{NDF}: 72567664333509192712184310037150171136.0/15$
 Left In: -1285.964 ± 0.000 $\chi^2/\text{NDF}: 22090664618145164661890170403116023808.0/7$
 All: -24.272 ± 0.000 $\chi^2/\text{NDF}: 369249352853$

dit_atr1_coil4_mean vs Slug, Sign Corrected



Right In: -1374.510+/-0.000

Left Out: -961.777+/-0.000

Right Out: 1227.879+/-0.000

Left In: 1274.101+/-0.000

χ^2/NDF : 3072775774026573120755024580495322120192.0/14

χ^2/NDF : 872180924224869811635193350846339350528.0/8

χ^2/NDF : 11115312999926623396466450218448622452736.0/15

χ^2/NDF : 688574908005051283347985855043797516288.0/7

Left: 165.158+/-0.000 χ^2/NDF : 3269104420967345

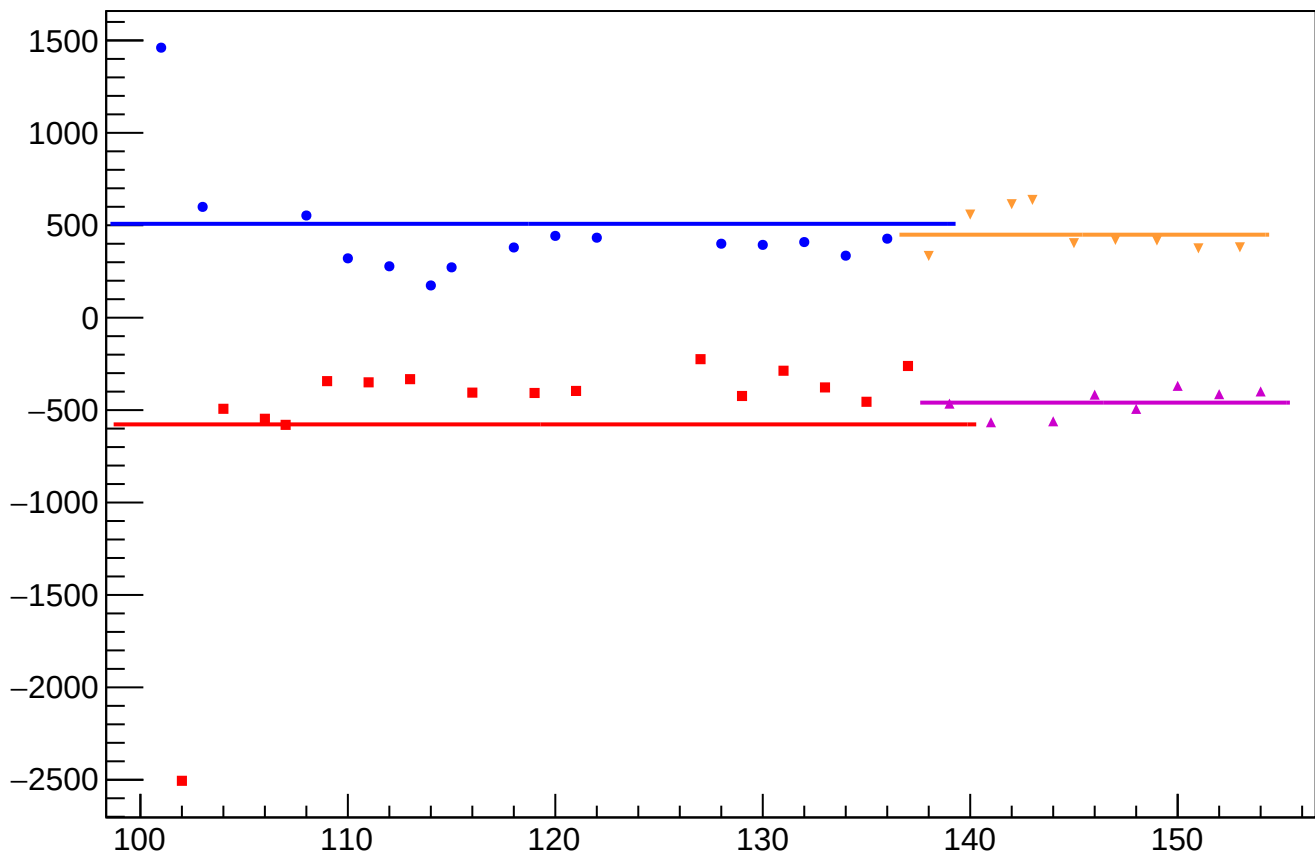
Right: -55.518+/-0.000 χ^2/NDF : 164158010761557

In: -10.614+/-0.000 χ^2/NDF : 61058178175151846

Out: 124.097+/-0.000 χ^2/NDF : 1359956789230590

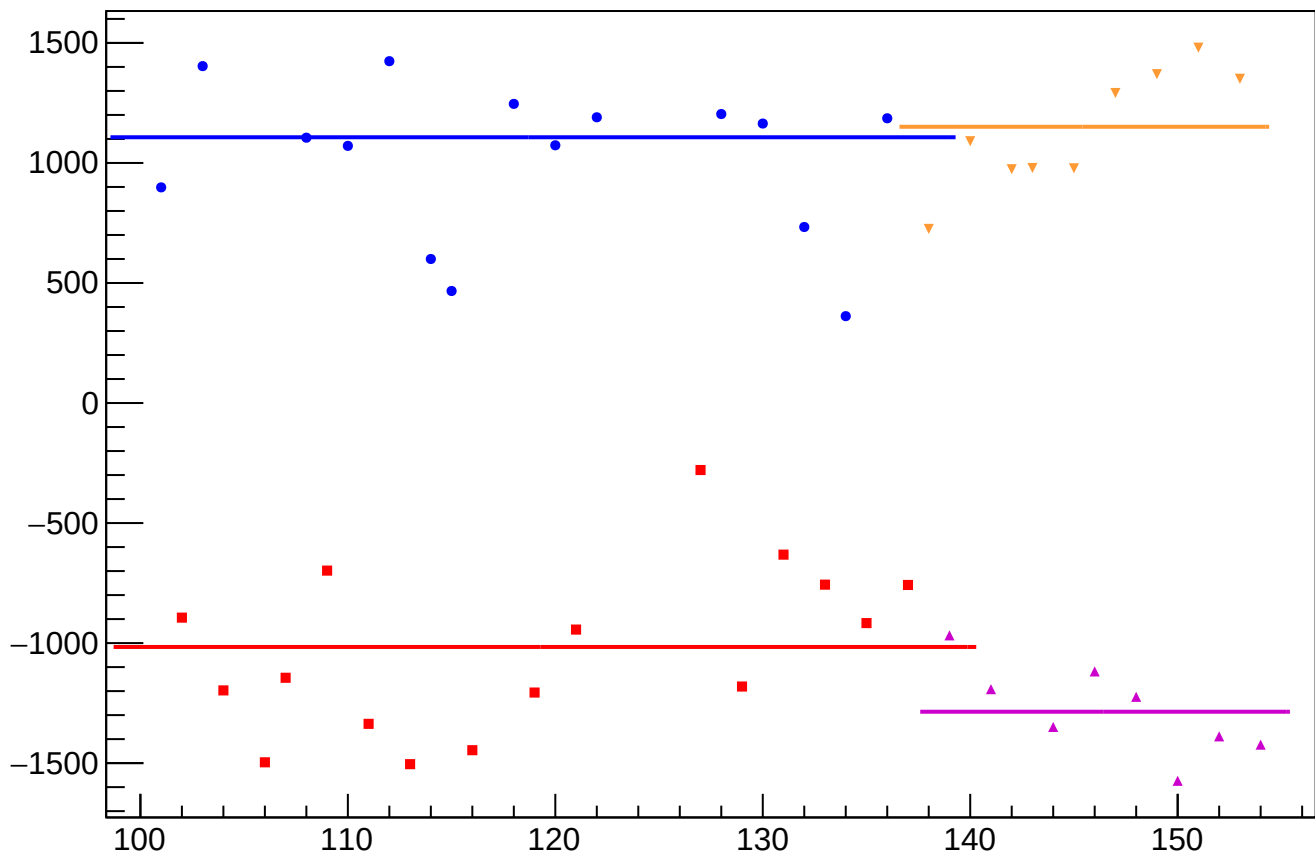
All: 56.918+/-0.000 χ^2/NDF : 1971755778380

dit_atr1_coil4_err_mean vs Slug, Sign Corrected



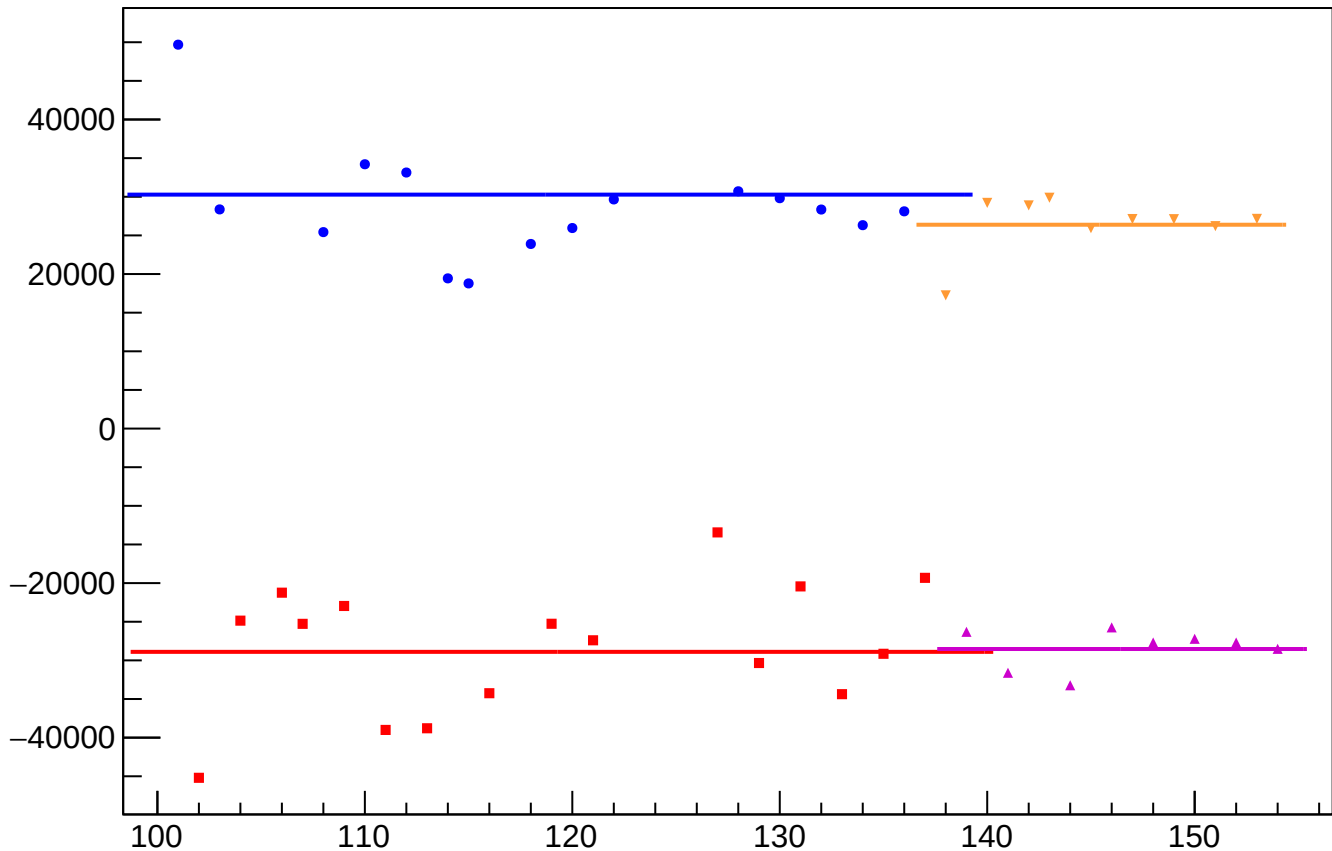
Right In: 507.809+/-0.000 χ^2/NDF : 64139927968444054596859613468220719104.0/14
 Left Out: 449.043+/-0.000 χ^2/NDF : 6760249928075611385992249043654279168.0/8
 Right Out: -577.250+/-0.000 χ^2/NDF : 241288780642623391683958641535574081536.0/15
 Left In: -459.580+/-0.000 χ^2/NDF : 3375543158345672627410724817928716288.0/7
 All: -25.217+/-0.000 χ^2/NDF : 985710638345

dit_atr1_coil4_Ndata_mean vs Slug, Sign Corrected



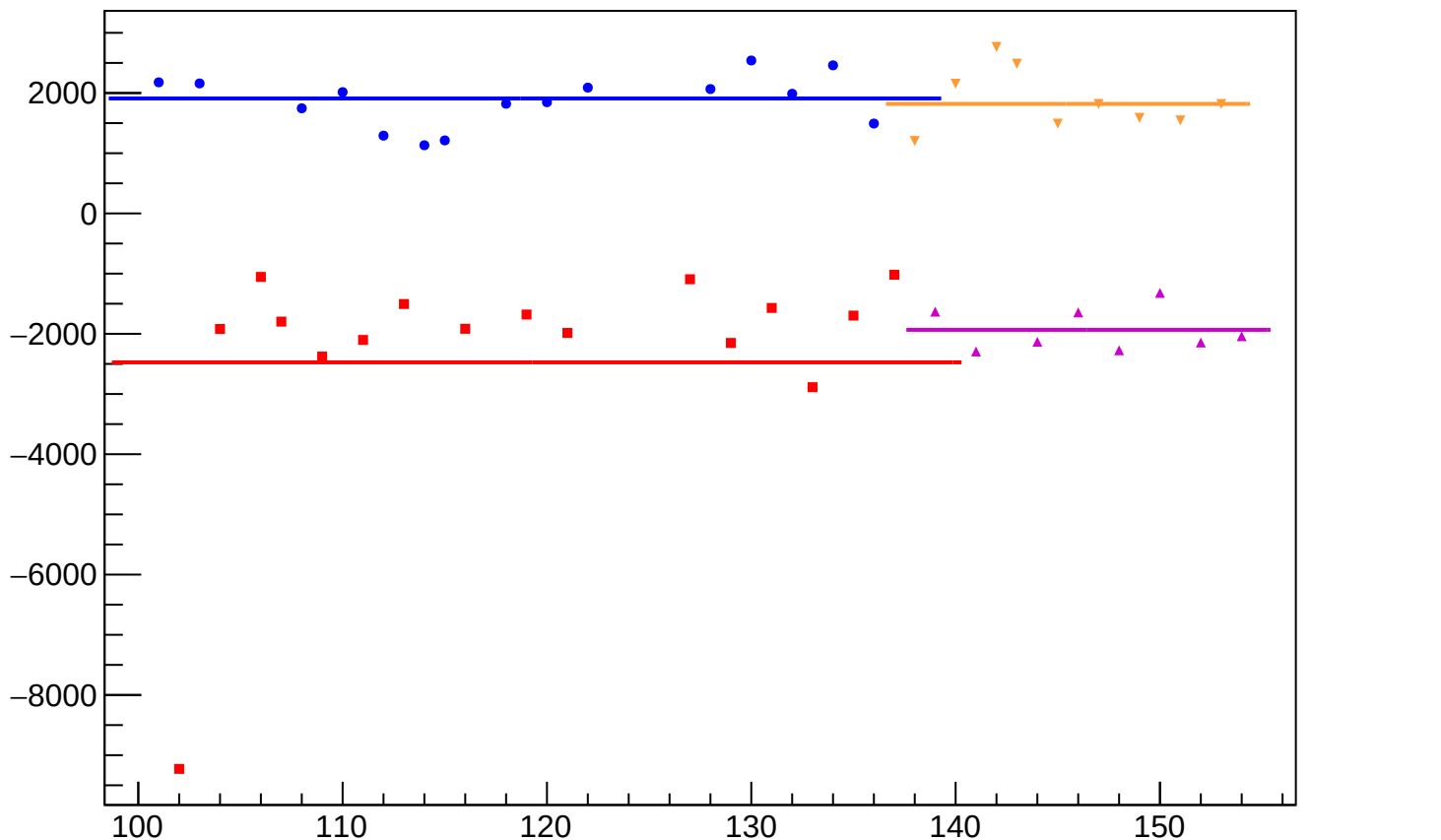
Right In: 1107.052 $\pm$ 0.000 χ^2 /NDF: 40633831787810179240542210398269472768.0/14
 Left Out: 1150.698 $\pm$ 0.000 χ^2 /NDF: 37586929183133584961001644800803340288.0/8
 Right Out: -1016.106 $\pm$ 0.000 χ^2 /NDF: 72567664333509192712184310037150171136.0/15
 Left In: -1285.964 $\pm$ 0.000 χ^2 /NDF: 22090664618145164661890170403116023808.0/7
 All: -24.272 $\pm$ 0.000 χ^2 /NDF: 369249352853

dit_atr2_coil4_mean vs Slug, Sign Corrected



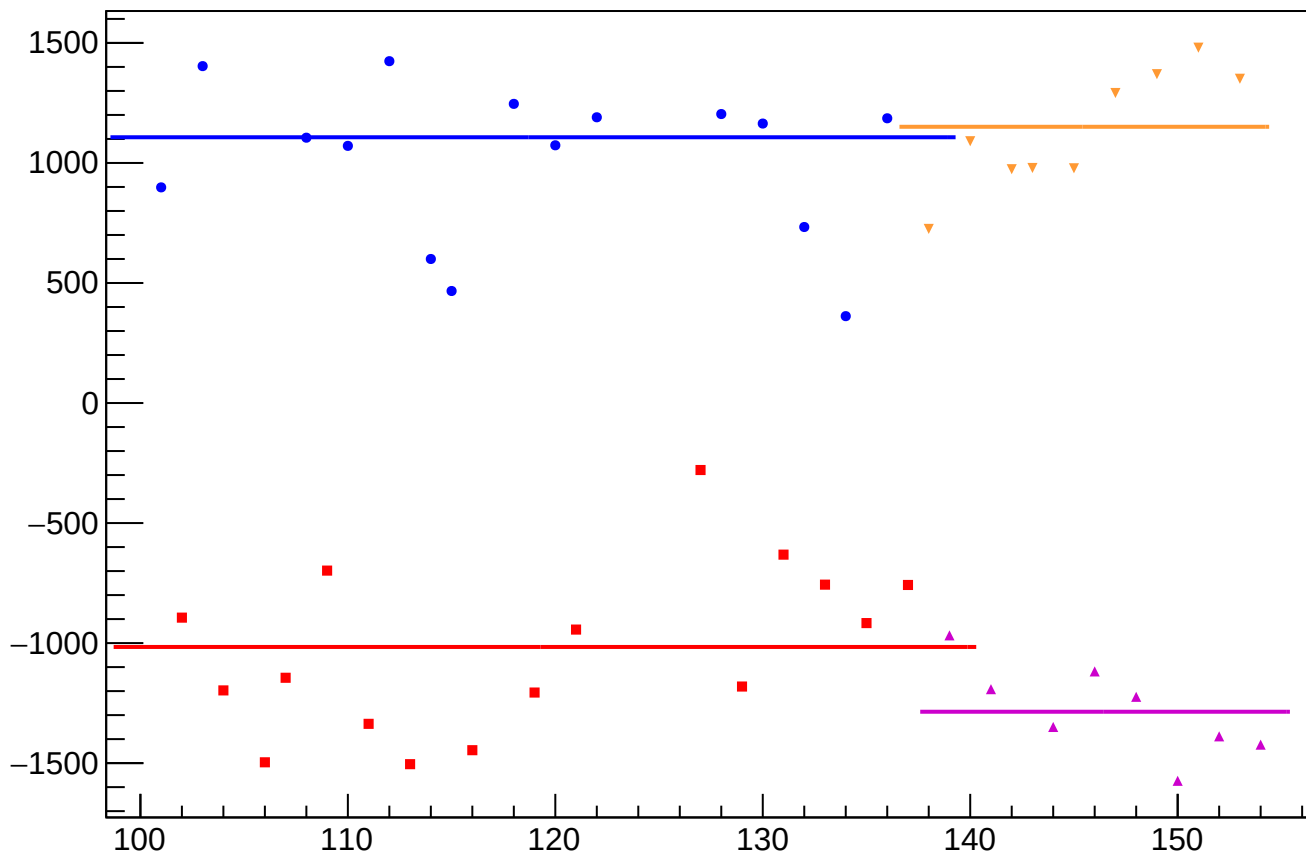
Right In: 30277.649+/-0.000 χ^2/NDF : 30975974641524142453090022540760519278592.0/14
 Left Out: 26381.584+/-0.000 χ^2/NDF : 8432204128247161766062256861443528851456.0/8
 Right Out: -28896.318+/-0.000 χ^2/NDF : 46969504058010359146250560228409714147328.0/15
 Left In: -28528.198+/-0.000 χ^2/NDF : 4094835671107841499828003724763238236160.0/7
 All: -519.144+/-0.000 χ^2/NDF : 22742822941

dit_atr2_coil4_err_mean vs Slug, Sign Corrected



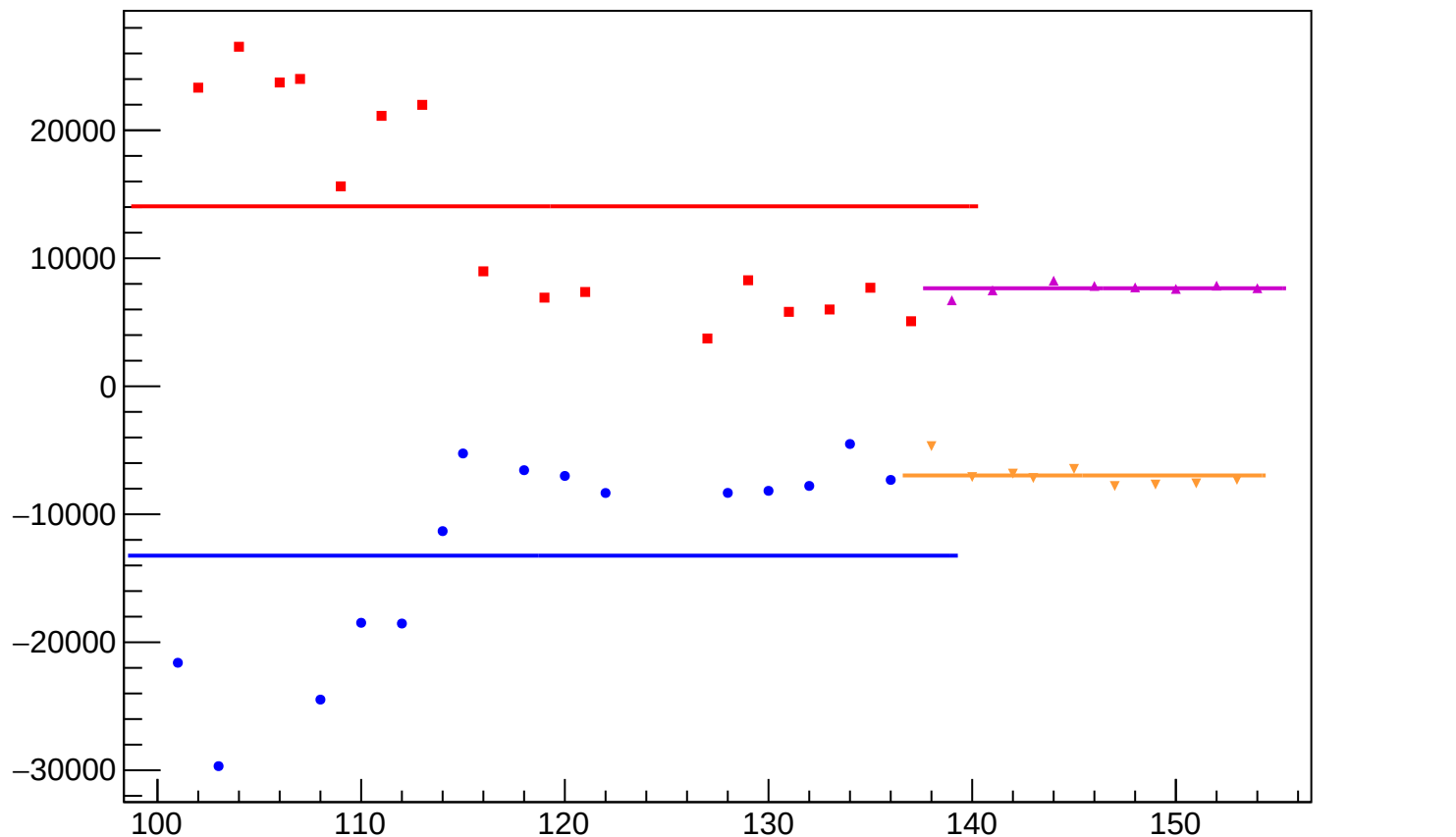
Right In: 1909.434+/-0.000 χ^2/NDF : 87636974094211671524177650165869445120.0/14
 Left Out: 1819.523+/-0.000 χ^2/NDF : 128932968493764281396896360664391483392.0/8
 Right Out: -2473.977+/-0.000 χ^2/NDF : 3033908025746418121738753286600386412544.0/15
 Left In: -1933.862+/-0.000 χ^2/NDF : 77619419803794256925886324602667270144.0/7
 All: -189.979+/-0.000 χ^2/NDF : 14501259389

dit_atr2_coil4_Ndata_mean vs Slug, Sign Corrected



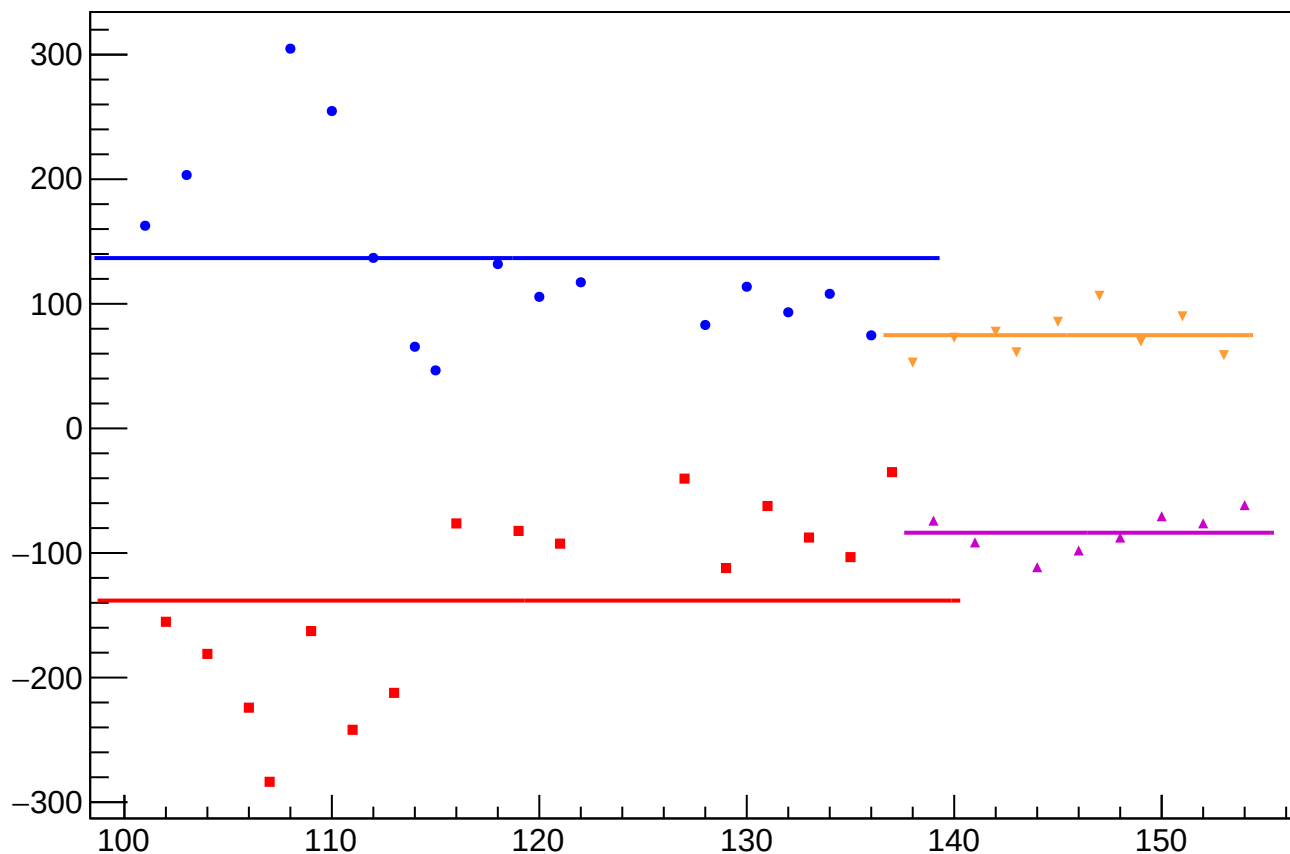
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -77.437+/-0.000	χ^2/NDF : 2088624826968681
Left Out: 1150.698+/-0.000	χ^2/NDF : 37586929183133584961001644800803340288.0/8	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -125.226+/-0.000	χ^2/NDF : 1976535501929842
Left In: -1285.964+/-0.000	χ^2/NDF : 22090664618145164661890170403116023808.0/7	Out: 76.156+/-0.000	χ^2/NDF : 16887561822700349
	All: -24.272+/-0.000		χ^2/NDF : 369249352853

dit_sam1_coil4_mean vs Slug, Sign Corrected



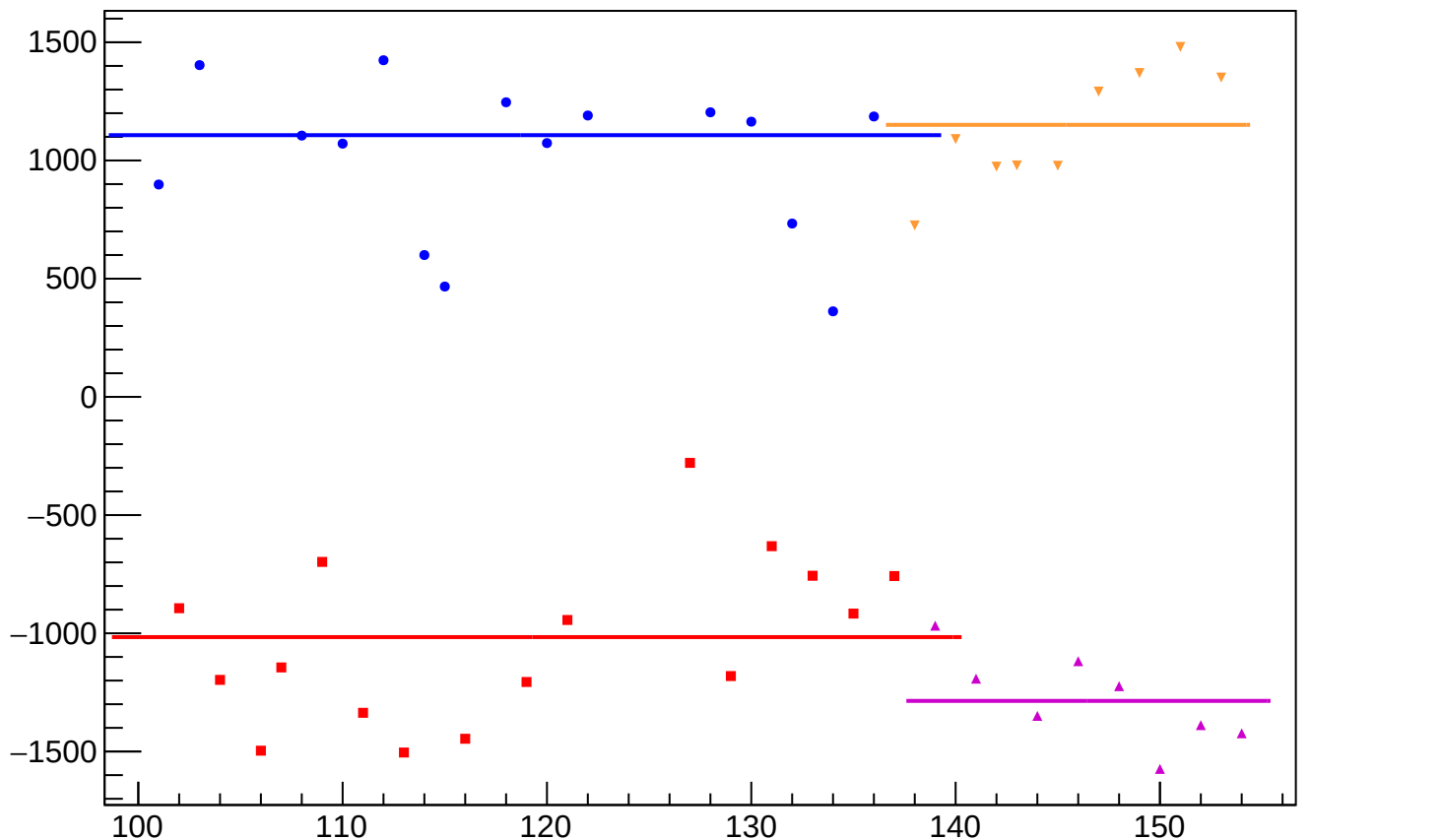
Left: 403.983+/-0.000 χ^2/NDF : 7375080639303175
 Right In: -13233.367+/-0.000 χ^2/NDF : 41257043836213043367596866559499640504320.0/14
 Right: 600.026+/-0.000 χ^2/NDF : 330784909470012
 Left Out: -6966.168+/-0.000 χ^2/NDF : 570221733367003288315589544123975073792.0/8
 In: -2476.194+/-0.000 χ^2/NDF : 187209258041527
 Right Out: 14060.103+/-0.000 χ^2/NDF : 44490594754280161766405556915711386845184.0/15
 Out: 3460.987+/-0.000 χ^2/NDF : 193708373872266
 Left In: 7656.469+/-0.000 χ^2/NDF : 111812303400565368247979234611521650688.0/7
 All: 500.141+/-0.000 χ^2/NDF : 40456148525

dit_sam1_coil4_err_mean vs Slug, Sign Corrected



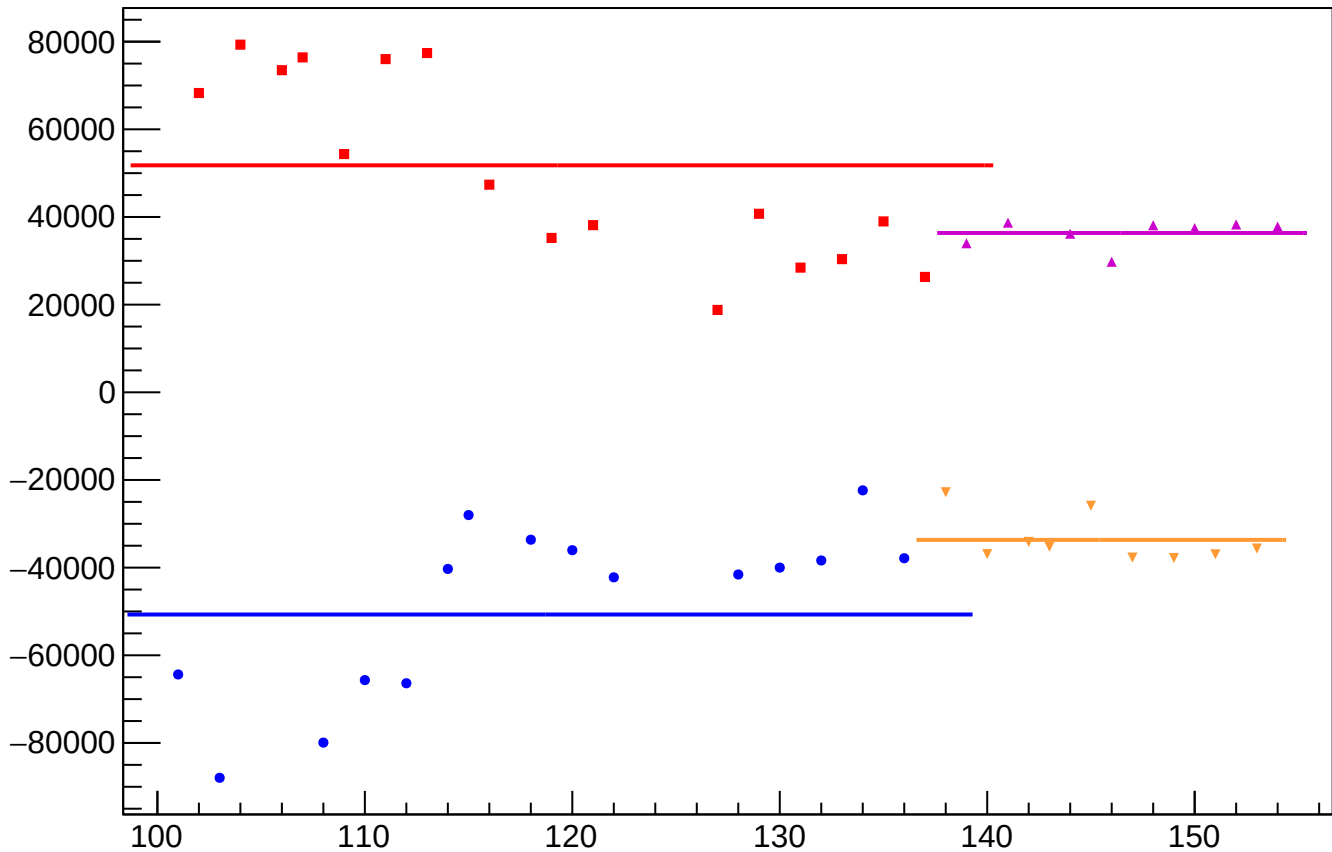
Left: -5.080 ± 0.000 $\chi^2/\text{NDF}: 89376968605621602$
 Right In: 136.711 ± 0.000 $\chi^2/\text{NDF}: 2687065030885227126291764267456659456.0/14$
 Right: -2.614 ± 0.000 $\chi^2/\text{NDF}: 3077400704218916$
 Left Out: 74.849 ± 0.000 $\chi^2/\text{NDF}: 180530141182114119564862980429447168.0/8$
 In: 23.194 ± 0.000 $\chi^2/\text{NDF}: 190910275998058658$
 Right Out: -138.179 ± 0.000 $\chi^2/\text{NDF}: 3230883352878636334641613561898467328.0/15$
 Out: -30.794 ± 0.000 $\chi^2/\text{NDF}: 1866969399690327$
 Left In: -83.732 ± 0.000 $\chi^2/\text{NDF}: 163467432451429710591851771023327232.0/7$
 All: -3.870 ± 0.000 $\chi^2/\text{NDF}: 3971577993071$

dit_sam1_coil4_Ndata_mean vs Slug, Sign Corrected



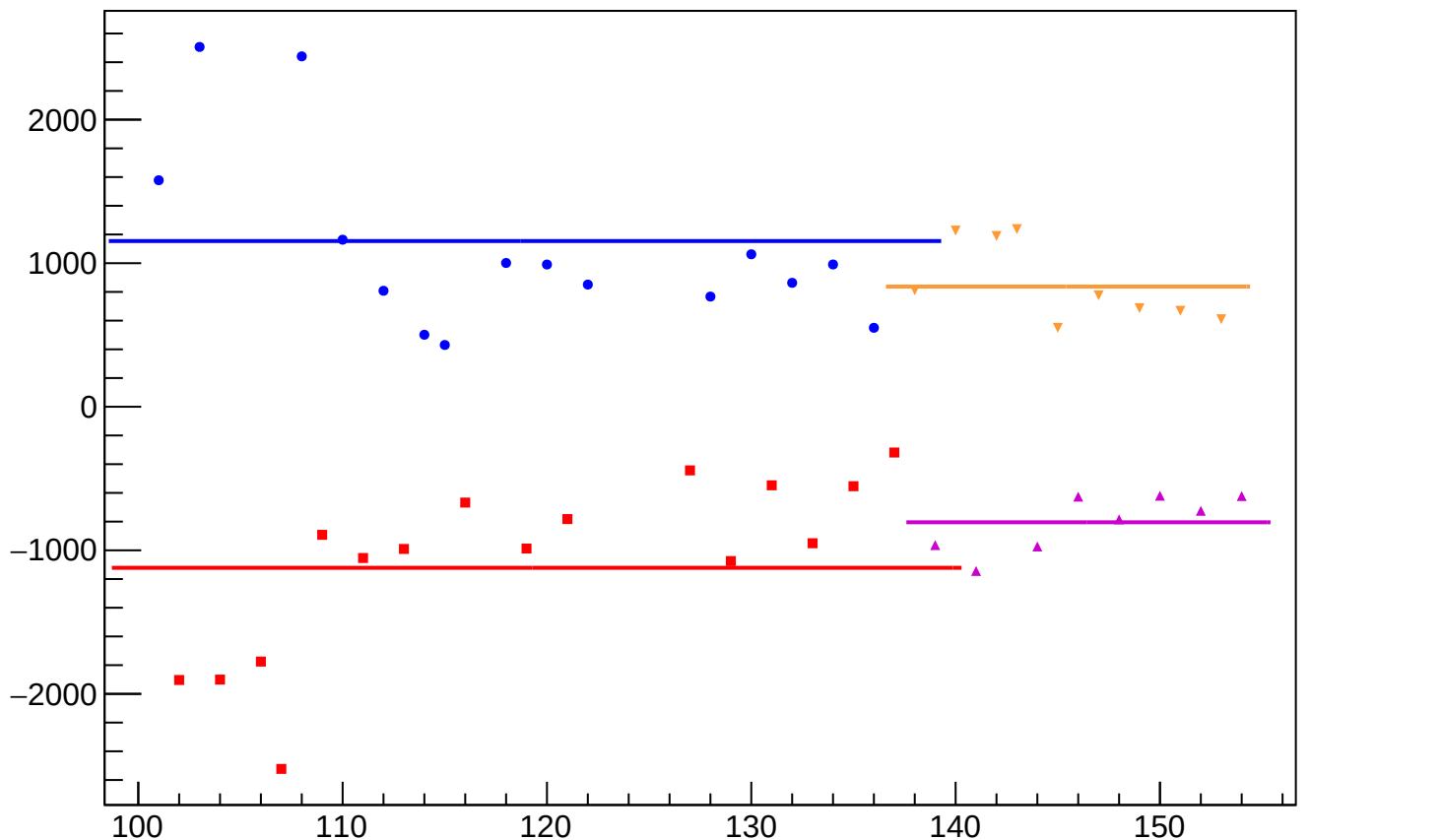
Left: -77.437 ± 0.000 $\chi^2/\text{NDF}: 2088624826968681$
 Right In: 1107.052 ± 0.000 $\chi^2/\text{NDF}: 40633831787810179240542210398269472768.0/14$
 Right: 30.953 ± 0.000 $\chi^2/\text{NDF}: 1595991371539270$
 Left Out: 1150.698 ± 0.000 $\chi^2/\text{NDF}: 37586929183133584961001644800803340288.0/8$
 In: -125.226 ± 0.000 $\chi^2/\text{NDF}: 1976535501929842$
 Right Out: -1016.106 ± 0.000 $\chi^2/\text{NDF}: 72567664333509192712184310037150171136.0/15$
 Out: 76.156 ± 0.000 $\chi^2/\text{NDF}: 16887561822700349$
 Left In: -1285.964 ± 0.000 $\chi^2/\text{NDF}: 22090664618145164661890170403116023808.0/7$
 All: -24.272 ± 0.000 $\chi^2/\text{NDF}: 369249352853$

dit_sam2_coil4_mean vs Slug, Sign Corrected



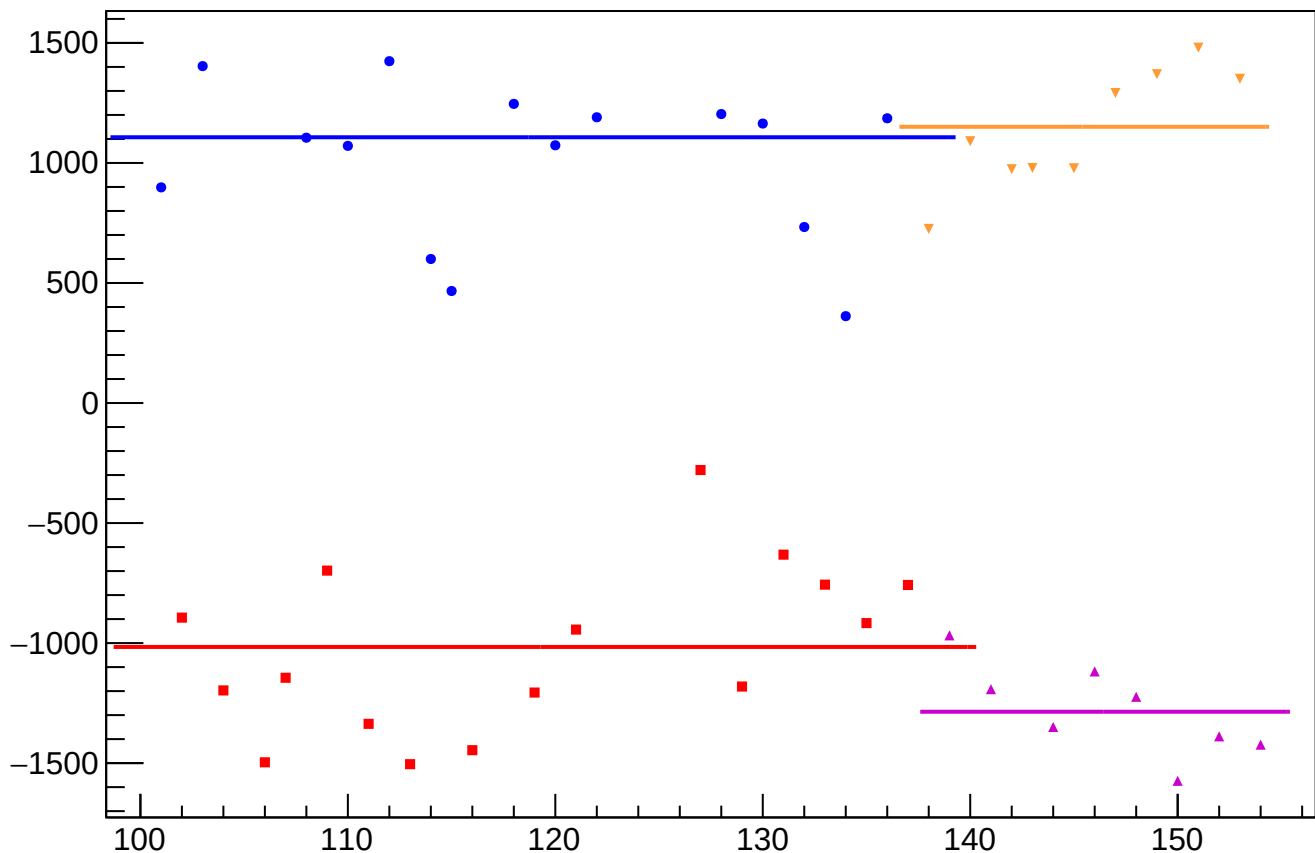
Left: 1622.883 +/- 0.000 χ^2/NDF : 169980380752922
 Right: 1245.090 +/- 0.000 χ^2/NDF : 39629195371379
 In: -5871.254 +/- 0.000 χ^2/NDF : 276424300950452
 Out: 8708.370 +/- 0.000 χ^2/NDF : 275599874072366
 All: 1437.577 +/- 0.000 χ^2/NDF : 56628190445

dit_sam2_coil4_err_mean vs Slug, Sign Corrected



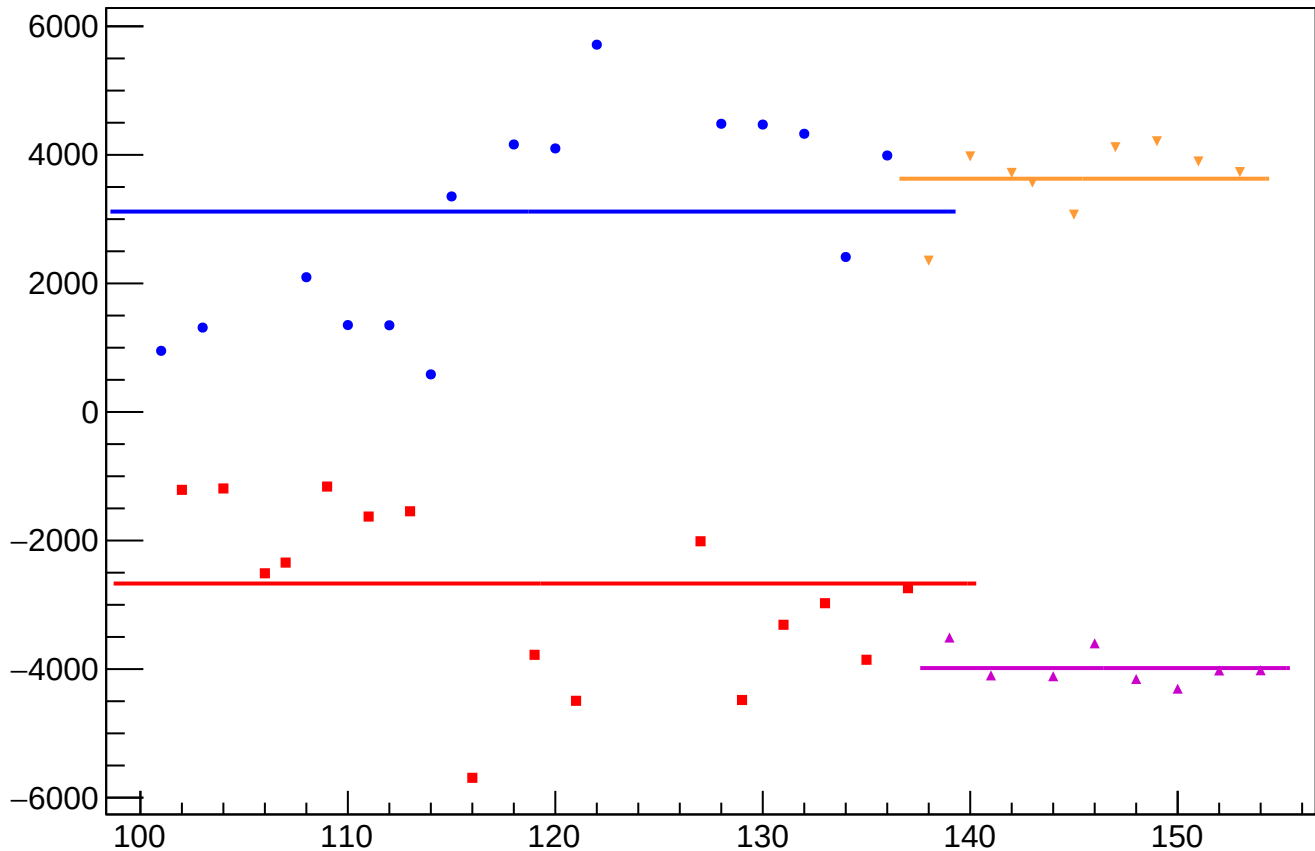
Right In: 1154.331+/-0.000 χ^2/NDF : 249270472563470703232737910394663731200.0/14
 Left Out: 837.057+/-0.000 χ^2/NDF : 44441847494847870555426585559552753664.0/8
 Right Out: -1121.934+/-0.000 χ^2/NDF : 226159335639567338179811644002797617152.0/15
 Left In: -804.713+/-0.000 χ^2/NDF : 23676803912329734603629726057308880896.0/7
 All: 5.184+/-0.000 χ^2/NDF : 31690542239948

dit_sam2_coil4_Ndata_mean vs Slug, Sign Corrected



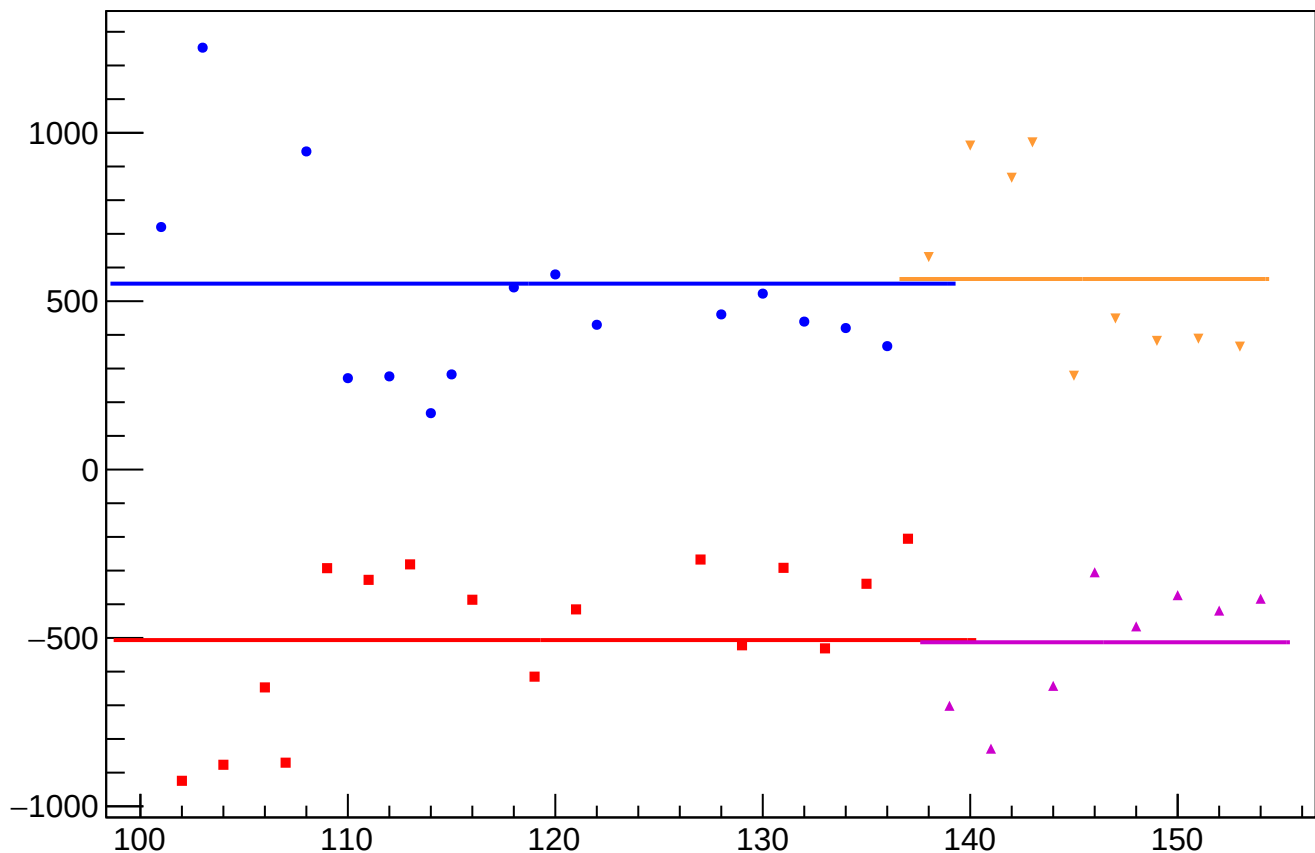
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -77.437+/-0.000	χ^2/NDF : 2088624826968681
Left Out: 1150.698+/-0.000	χ^2/NDF : 37586929183133584961001644800803340288.0/8	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -125.226+/-0.000	χ^2/NDF : 1976535501929842
Left In: -1285.964+/-0.000	χ^2/NDF : 22090664618145164661890170403116023808.0/7	Out: 76.156+/-0.000	χ^2/NDF : 16887561822700349
	All: -24.272+/-0.000	χ^2/NDF : 369249352853	

dit_sam3_coil4_mean vs Slug, Sign Corrected



Right In: 3117.914 $\pm$ 0.000 χ^2 /NDF: 1552738593335565674554918493159210090496.0/14
 Left Out: 3629.425 $\pm$ 0.000 χ^2 /NDF: 216131883346739801352082403973505482752.0/8
 Right Out: -2668.794 $\pm$ 0.000 χ^2 /NDF: 1136406286131098596000054422131257114624.0/15
 Left In: -3984.087 $\pm$ 0.000 χ^2 /NDF: 45088251973150473254530763402858463232.0/7
 All: -15.224 $\pm$ 0.000 χ^2 /NDF: 338771788703

dit_sam3_coil4_err_mean vs Slug, Sign Corrected



Right In: 552.108+/-0.000

χ^2/NDF : 50739041741159119848523988236001869824.0/14

Left Out: 565.917+/-0.000

χ^2/NDF : 44831513453581912354830818423284432896.0/8

Right Out: -506.345+/-0.000

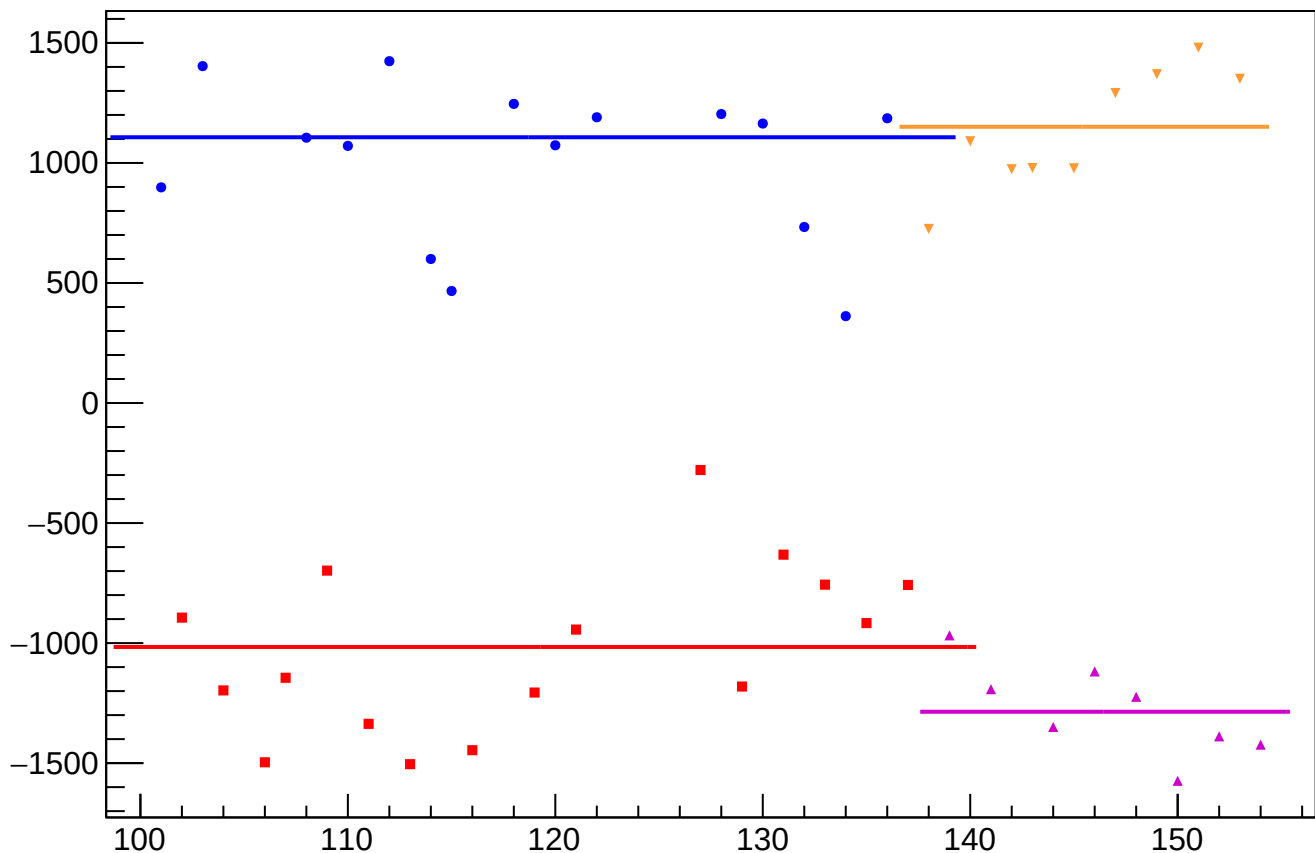
χ^2/NDF : 37181653297314883501659131806010572800.0/15

Left In: -512.841+/-0.000

χ^2/NDF : 20666682580075803842928118122449731584.0/7

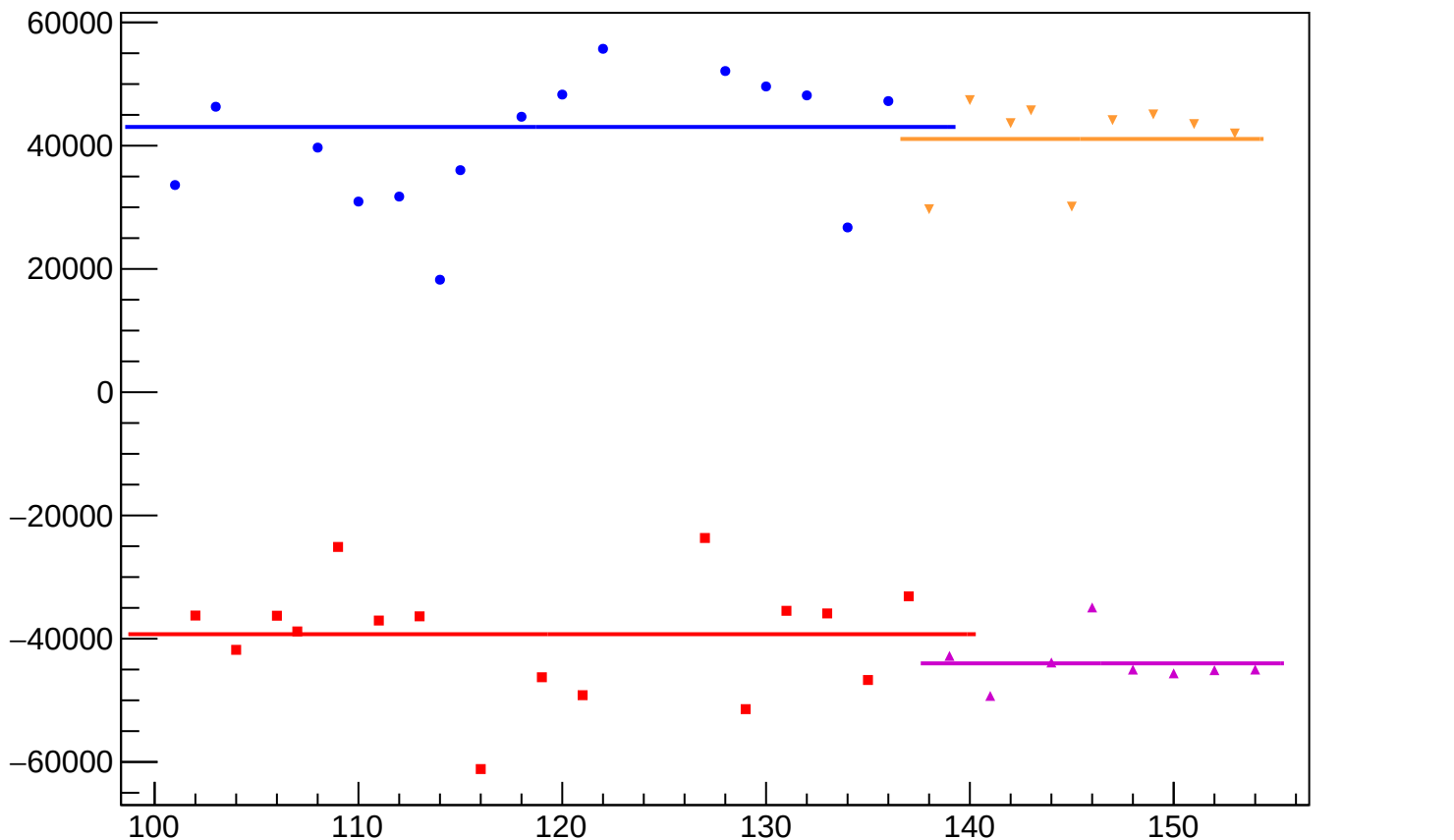
All: 18.982+/-0.000 χ^2/NDF : 9196398941378

dit_sam3_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052 $\pm$ 0.000 χ^2 /NDF: 40633831787810179240542210398269472768.0/14
 Left Out: 1150.698 $\pm$ 0.000 χ^2 /NDF: 37586929183133584961001644800803340288.0/8
 Right Out: -1016.106 $\pm$ 0.000 χ^2 /NDF: 7256766433509192712184310037150171136.0/15
 Left In: -1285.964 $\pm$ 0.000 χ^2 /NDF: 22090664618145164661890170403116023808.0/7
 All: -24.272 $\pm$ 0.000 χ^2 /NDF: 369249352853

dit_sam4_coil4_mean vs Slug, Sign Corrected



Right In: 43039.927+/-0.000

Left: -1796.934+/-0.000 χ^2 /NDF: 25117716819719

Left Out: 41092.435+/-0.000

Right: 1322.243+/-0.000 χ^2 /NDF: 23287829079556

Right Out: -39269.627+/-0.000

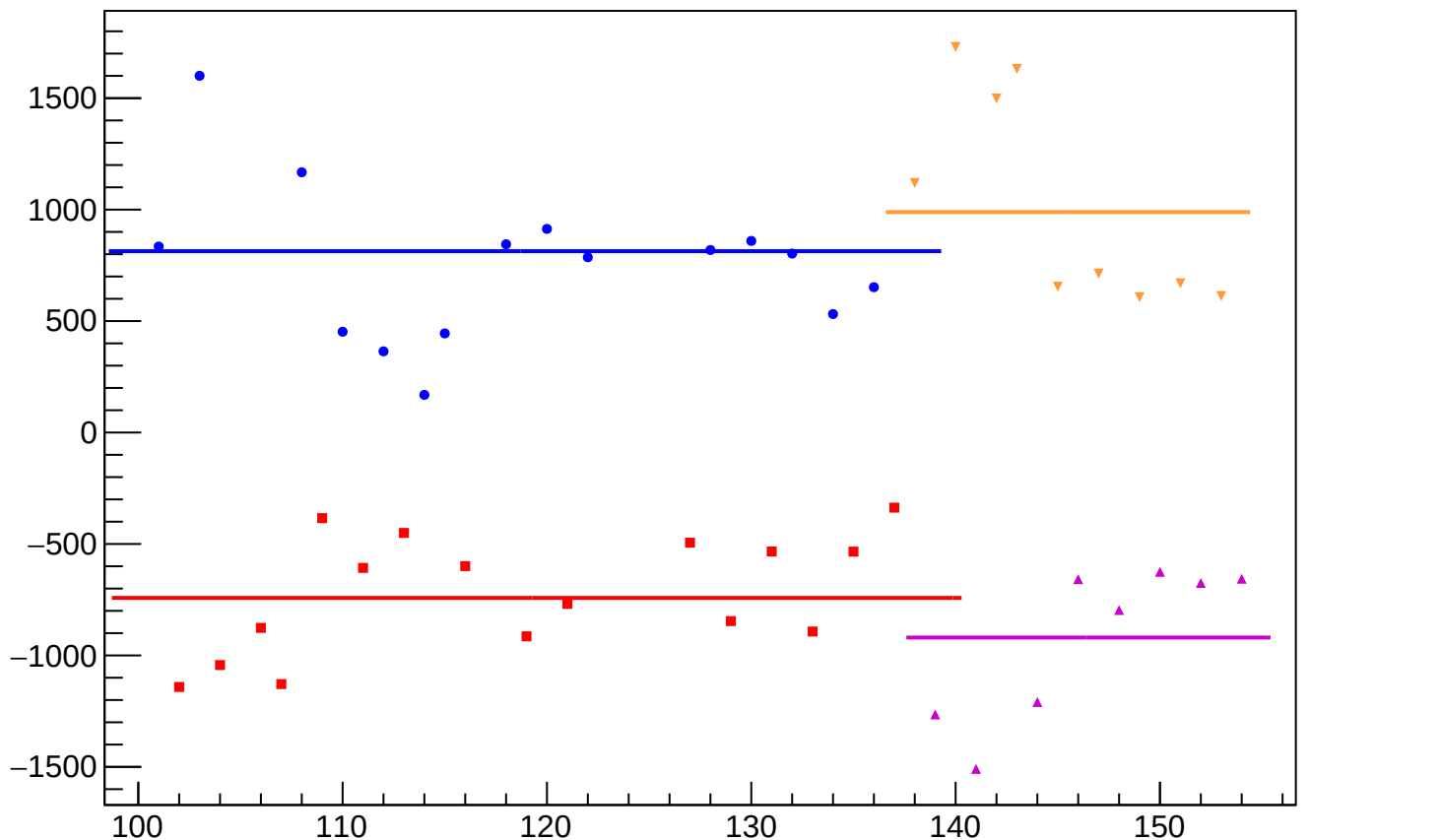
In: -1781.889+/-0.000 χ^2 /NDF: 259021907124415

Left In: -44001.568+/-0.000

Out: 1240.022+/-0.000 χ^2 /NDF: 225073385550885

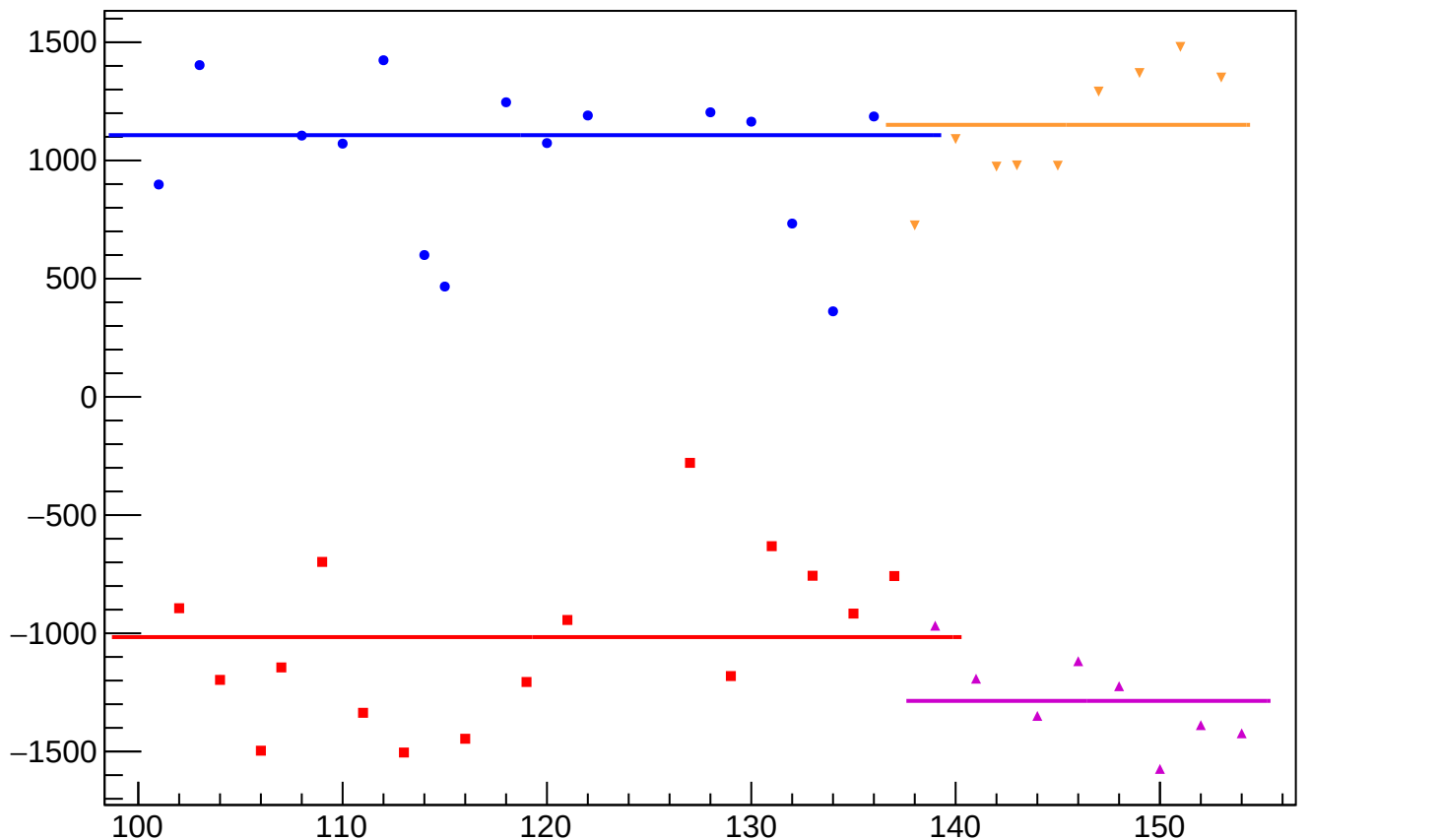
All: -266.991+/-0.000 χ^2 /NDF: 48470781379

dit_sam4_coil4_err_mean vs Slug, Sign Corrected



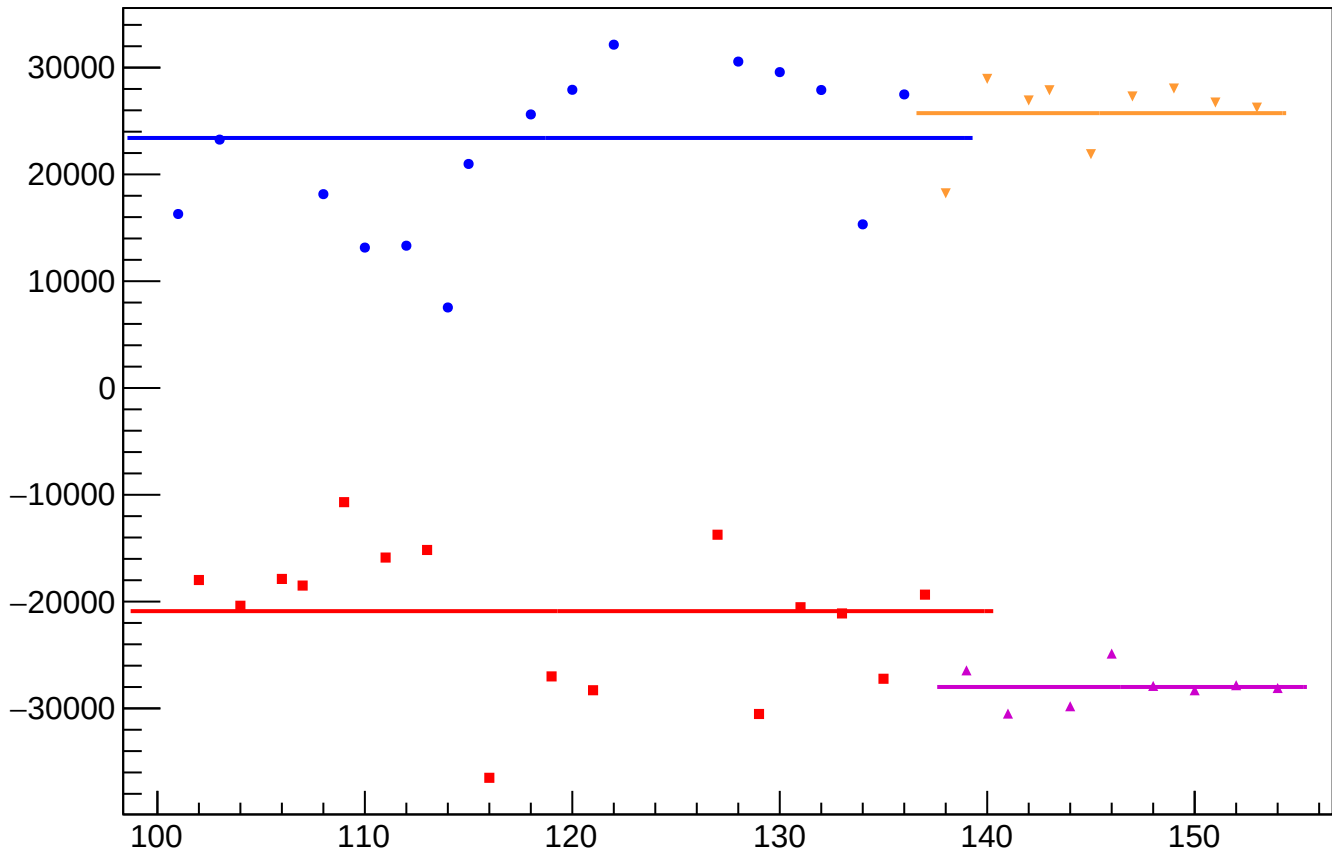
Right In: 813.500 $\pm$ 0.000 χ^2 /NDF: 67120916816548237638948787518351343616.0/14
 Left Out: 988.982 $\pm$ 0.000 χ^2 /NDF: 133092726160287026721655507095451074560.0/8
 Right Out: -741.911 $\pm$ 0.000 χ^2 /NDF: 44074134397215409235604746432671645696.0/15
 Left In: -919.726 $\pm$ 0.000 χ^2 /NDF: 72891138968773669963471492239700525056.0/7
 All: 26.070 $\pm$ 0.000 χ^2 /NDF: 2357954861204

dit_sam4_coil4_Ndata_mean vs Slug, Sign Corrected



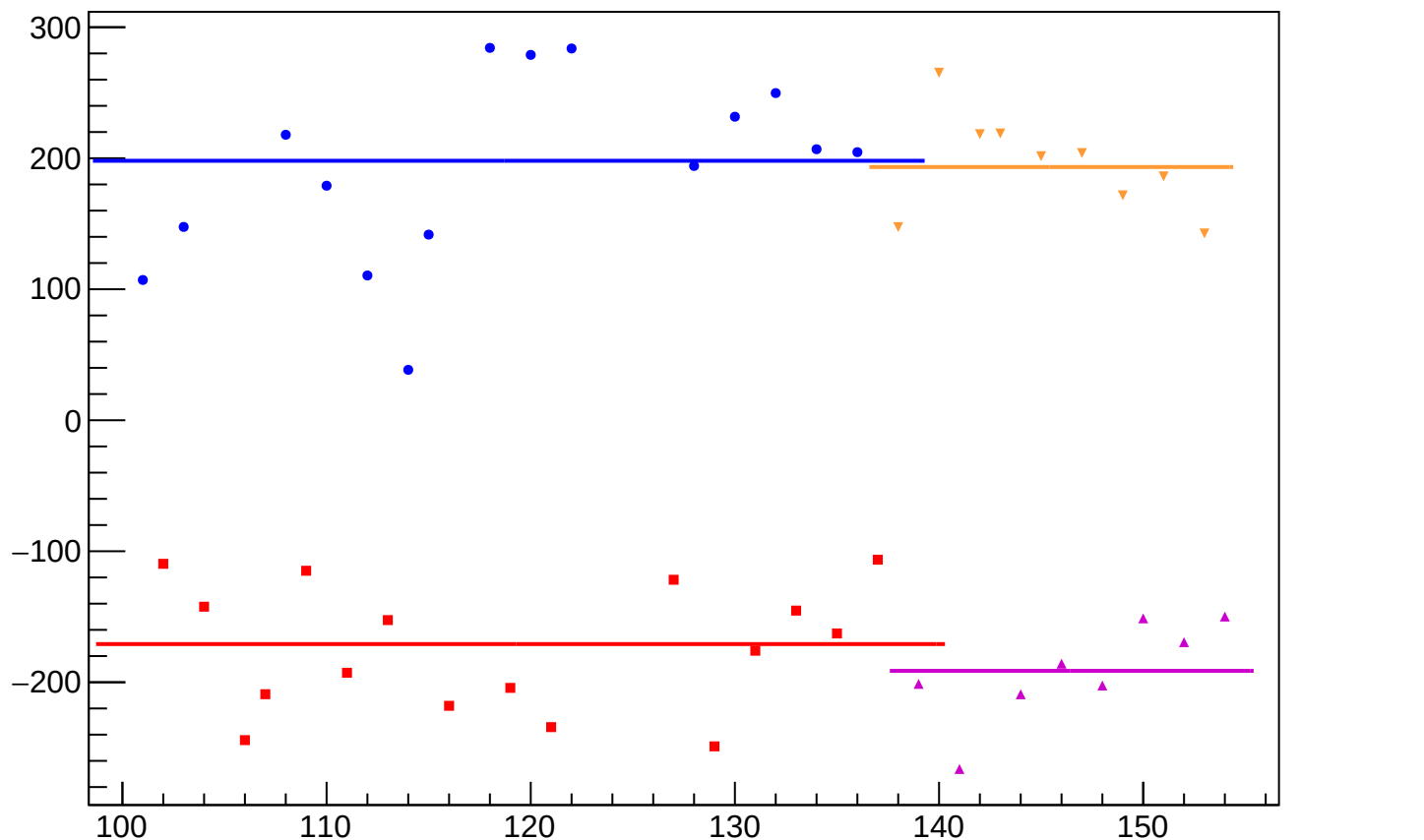
Right In: 1107.052 $\pm$ 0.000 χ^2 /NDF: 40633831787810179240542210398269472768.0/14
 Left Out: 1150.698 $\pm$ 0.000 χ^2 /NDF: 37586929183133584961001644800803340288.0/8
 Right Out: -1016.106 $\pm$ 0.000 χ^2 /NDF: 7256766433509192712184310037150171136.0/15
 Left In: -1285.964 $\pm$ 0.000 χ^2 /NDF: 22090664618145164661890170403116023808.0/7
 All: -24.272 $\pm$ 0.000 χ^2 /NDF: 369249352853

dit_sam5_coil4_mean vs Slug, Sign Corrected



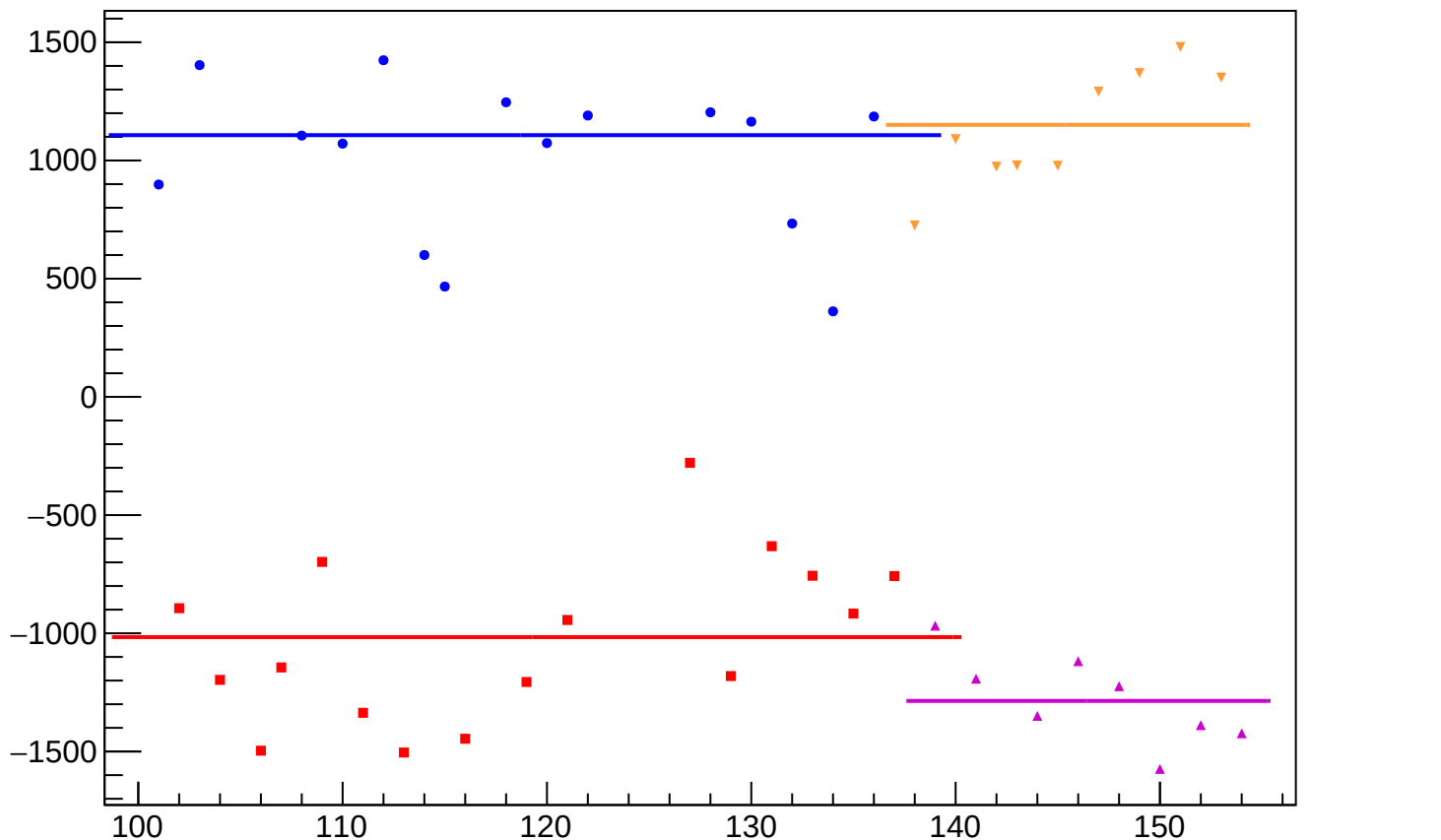
Right In: 23411.506 $\pm$ 0.000 χ^2 /NDF: 28427457471780319352885746571315708428288.0/14
 Left Out: 25736.080 $\pm$ 0.000 χ^2 /NDF: 7545888191869792033291310557435724300288.0/8
 Right Out: -20894.122 $\pm$ 0.000 χ^2 /NDF: 27408965804578649107002909409987218374656.0/15
 Left In: -27995.122 $\pm$ 0.000 χ^2 /NDF: 1837384243381318110533116738382793277440.0/7
 All: -216.880 $\pm$ 0.000 χ^2 /NDF: 17010562049

dit_sam5_coil4_err_mean vs Slug, Sign Corrected



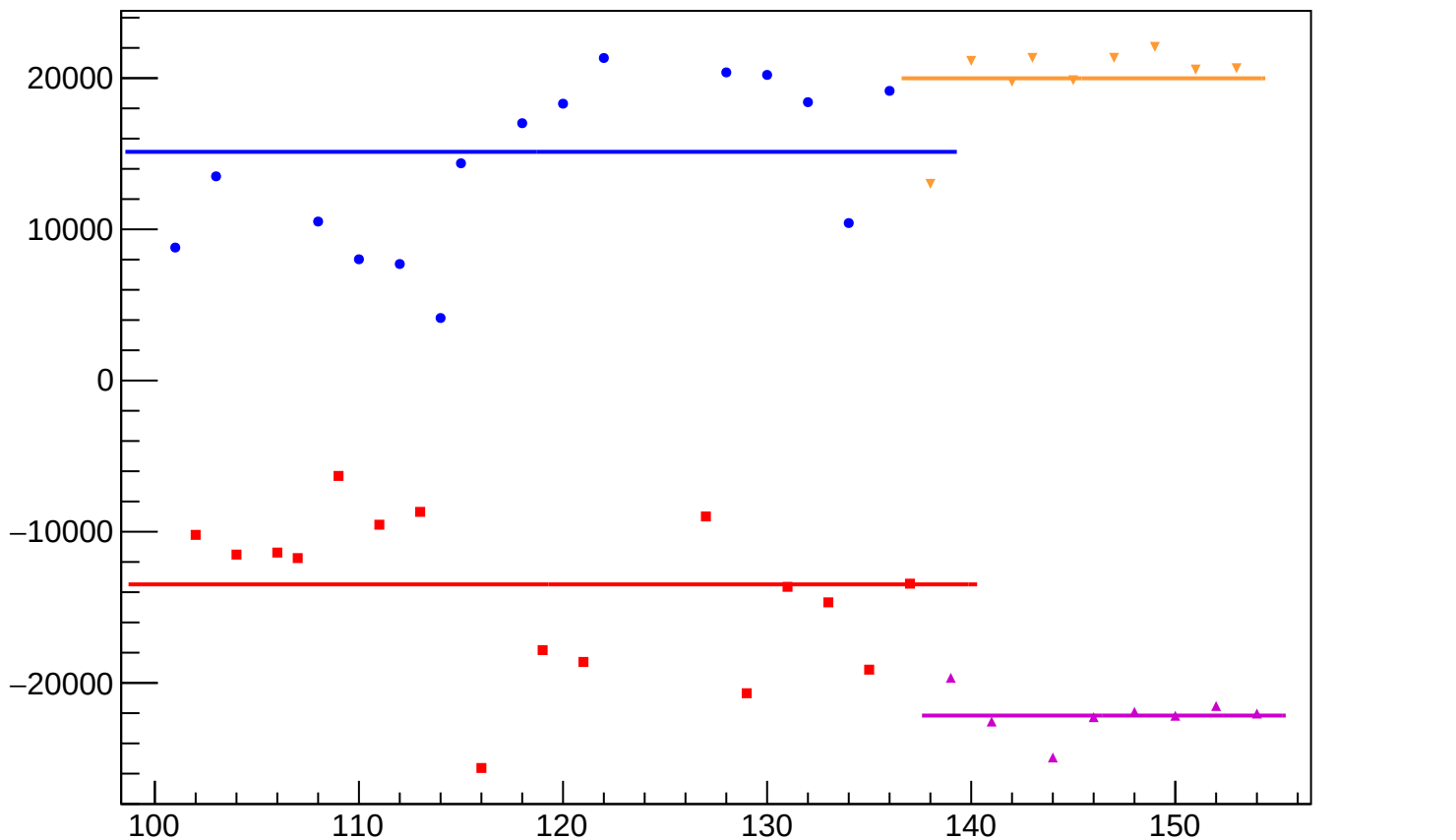
Right In: 198.056 ± 0.000 $\chi^2/\text{NDF}: 2482928792293864415922382990034862080.0/14$
 Left Out: 193.313 ± 0.000 $\chi^2/\text{NDF}: 937903358678178262025527530281238528.0/8$
 Right Out: -170.851 ± 0.000 $\chi^2/\text{NDF}: 1418314816915016425155520631536615424.0/15$
 Left In: -191.298 ± 0.000 $\chi^2/\text{NDF}: 867237000139561822513043970994470912.0/7$
 All: 5.159 ± 0.000 $\chi^2/\text{NDF}: 10111319699152$

dit_sam5_coil4_Ndata_mean vs Slug, Sign Corrected



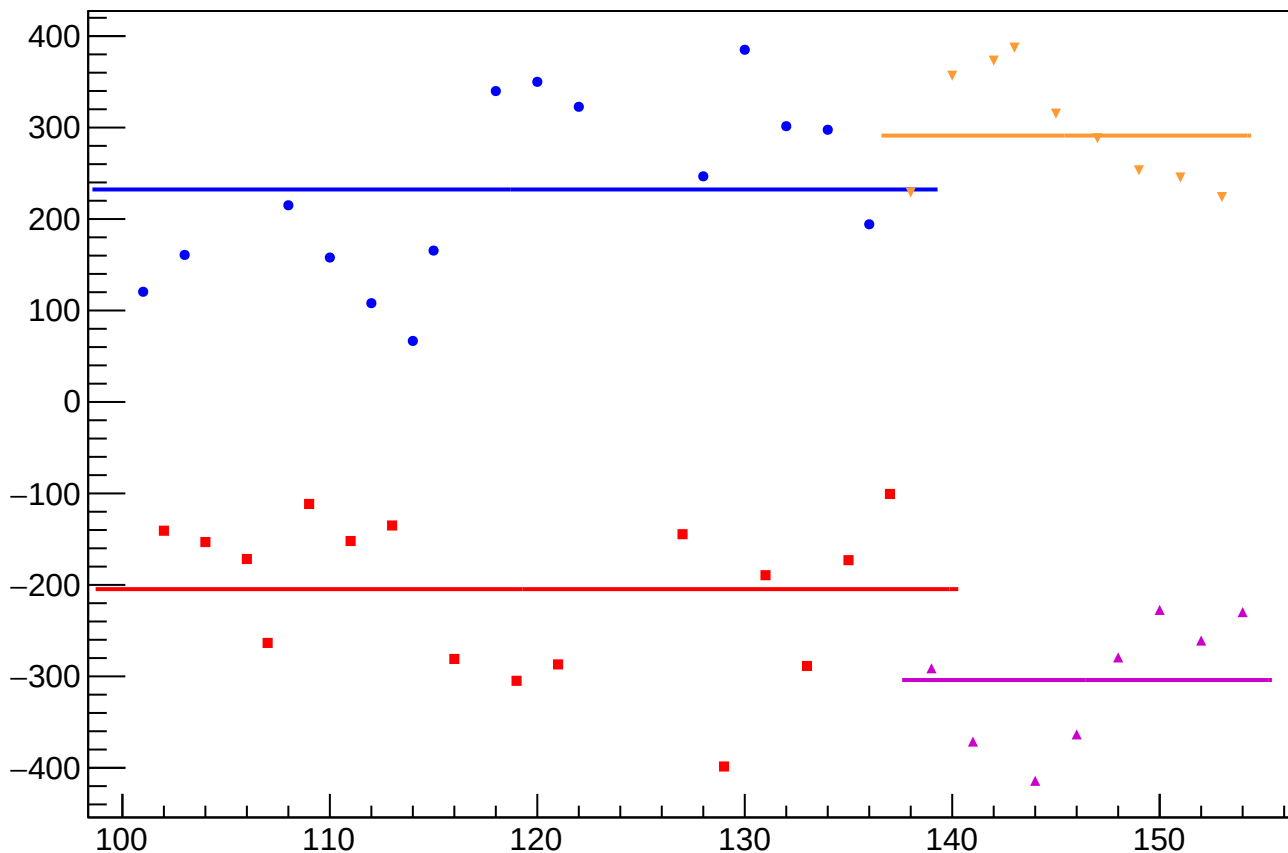
Left: -77.437 +/- 0.000 χ^2/NDF : 2088624826968681
 Right In: 1107.052 +/- 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Right: 30.953 +/- 0.000 χ^2/NDF : 1595991371539270
 Left Out: 1150.698 +/- 0.000 χ^2/NDF : 37586929183133584961001644800803340288.0/8
 In: -125.226 +/- 0.000 χ^2/NDF : 1976535501929842
 Right Out: -1016.106 +/- 0.000 χ^2/NDF : 72567664333509192712184310037150171136.0/15
 Out: 76.156 +/- 0.000 χ^2/NDF : 16887561822700349
 Left In: -1285.964 +/- 0.000 χ^2/NDF : 22090664618145164661890170403116023808.0/7
 All: -24.272 +/- 0.000 χ^2/NDF : 369249352853

dit_sam6_coil4_mean vs Slug, Sign Corrected



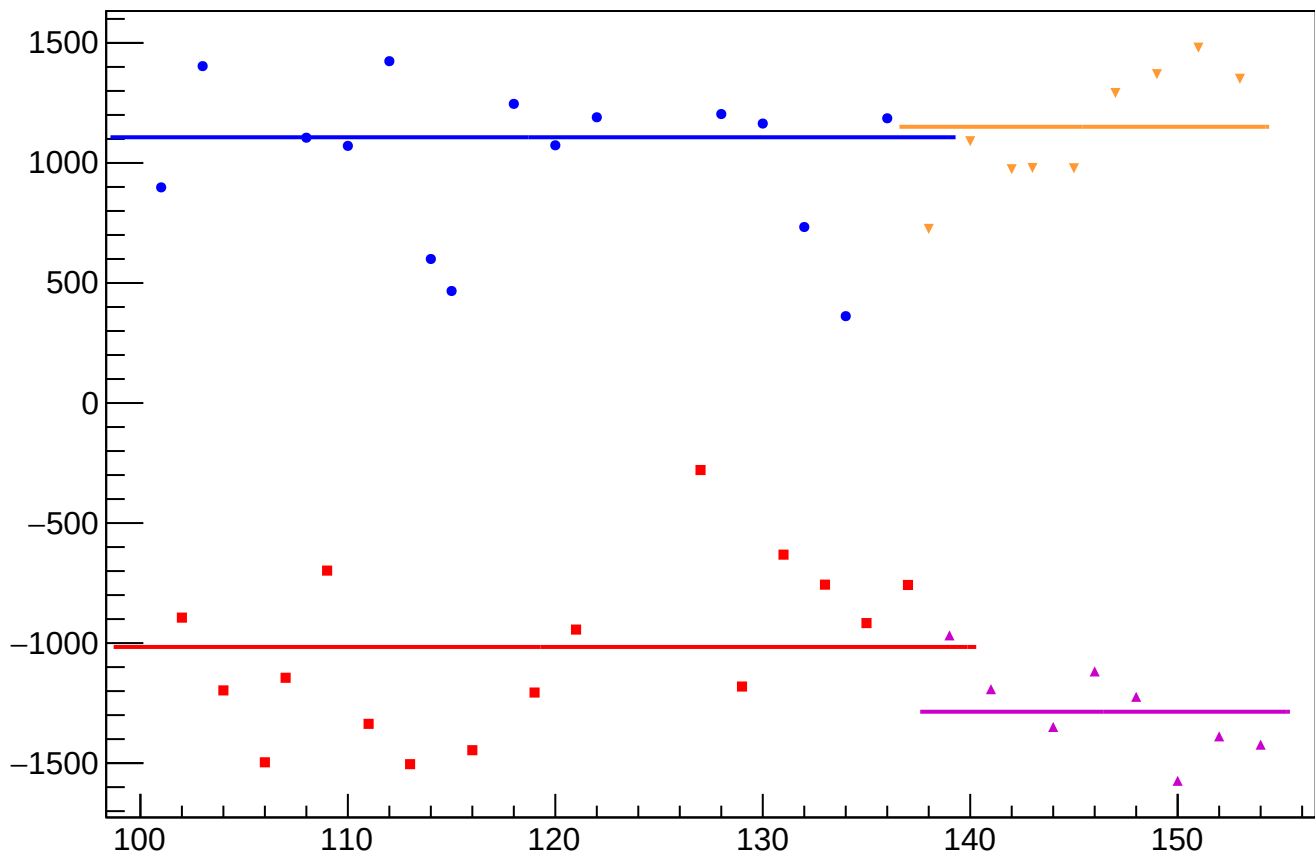
Right In: 15125.834+/-0.000 χ^2/NDF : 16615438767664069151744668380763246297088.0/14
 Left Out: 19989.268+/-0.000 χ^2/NDF : 4605928002557207960914678127108084989952.0/8
 Right Out: -13482.244+/-0.000 χ^2/NDF : 15910426475407825250252248749810022088704.0/15
 Left In: -22158.525+/-0.000 χ^2/NDF : 1246098764052742054423026000695547396096.0/7
 All: -331.901+/-0.000 χ^2/NDF : 91701696991

dit_sam6_coil4_err_mean vs Slug, Sign Corrected



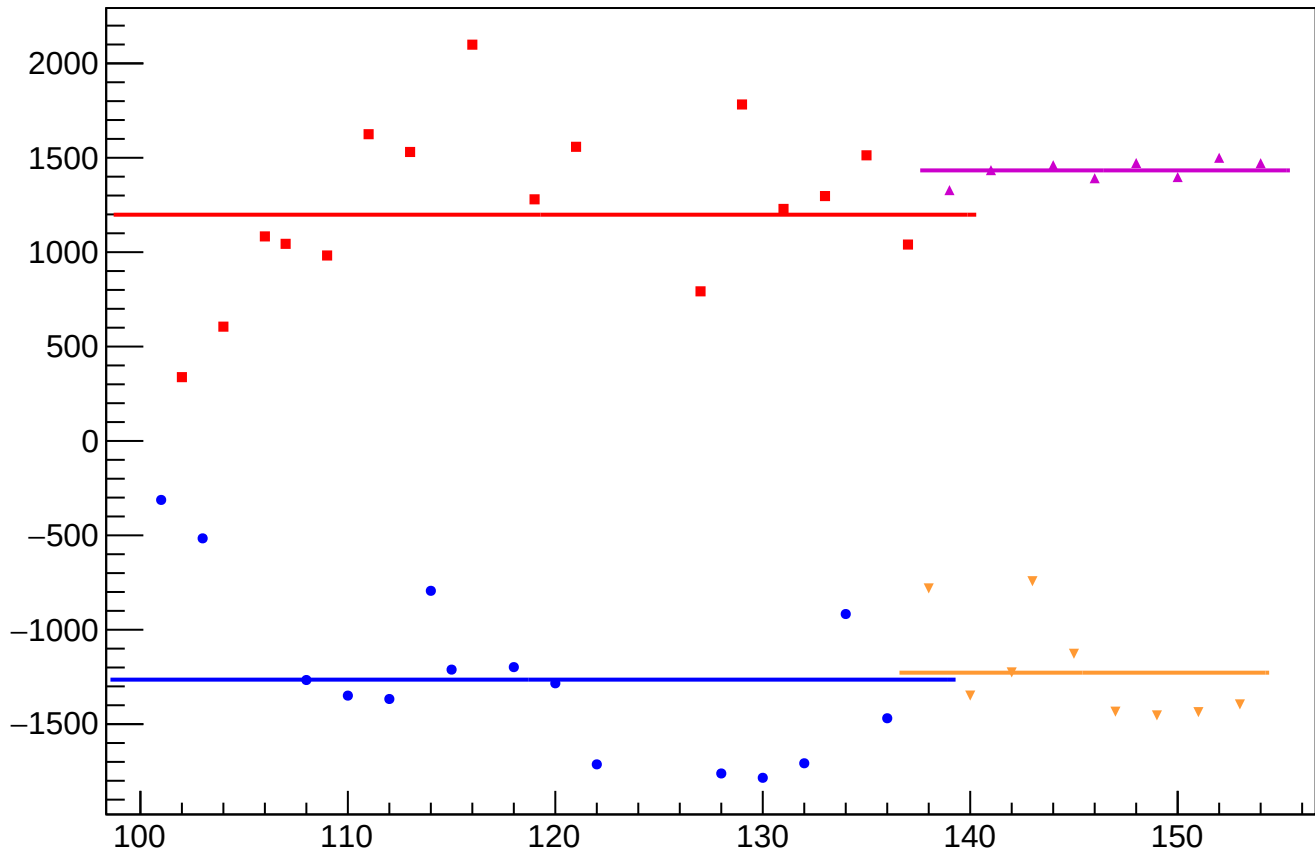
Left: -8.779+/-0.000 χ^2/NDF : 12638521111648854
 Right: 10.849+/-0.000 χ^2/NDF : 7283570791033899
 Left Out: 291.237+/-0.000 χ^2/NDF : 2296490231165943956542944404754661376.0/8
 Right Out: -204.637+/-0.000 χ^2/NDF : 4555067046835230017930882867882098688.0/15
 Left In: -304.005+/-0.000 χ^2/NDF : 3010046132873450963648275297708539904.0/7
 All: 0.849+/-0.000 χ^2/NDF : 19947923280640

dit_sam6_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052 $\pm$ 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1150.698 $\pm$ 0.000 χ^2/NDF : 37586929183133584961001644800803340288.0/8
 Right Out: -1016.106 $\pm$ 0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.964 $\pm$ 0.000 χ^2/NDF : 22090664618145164661890170403116023808.0/7
 All: -24.272 $\pm$ 0.000 χ^2/NDF : 369249352853

dit_sam7_coil4_mean vs Slug, Sign Corrected



Right In: -1264.303+/-0.000

Left Out: -1227.399+/-0.000

Right Out: 1198.483+/-0.000

Left In: 1433.144+/-0.000

χ^2/NDF : 140215251538502657549173994543931981824.0/14

χ^2/NDF : 46684262980825580678175578386837012480.0/8

χ^2/NDF : 131164763898016793515492217696167133184.0/15

χ^2/NDF : 1856615275060051006531629265289478144.0/7

Left: 113.577+/-0.000 χ^2/NDF : 2467457933963890

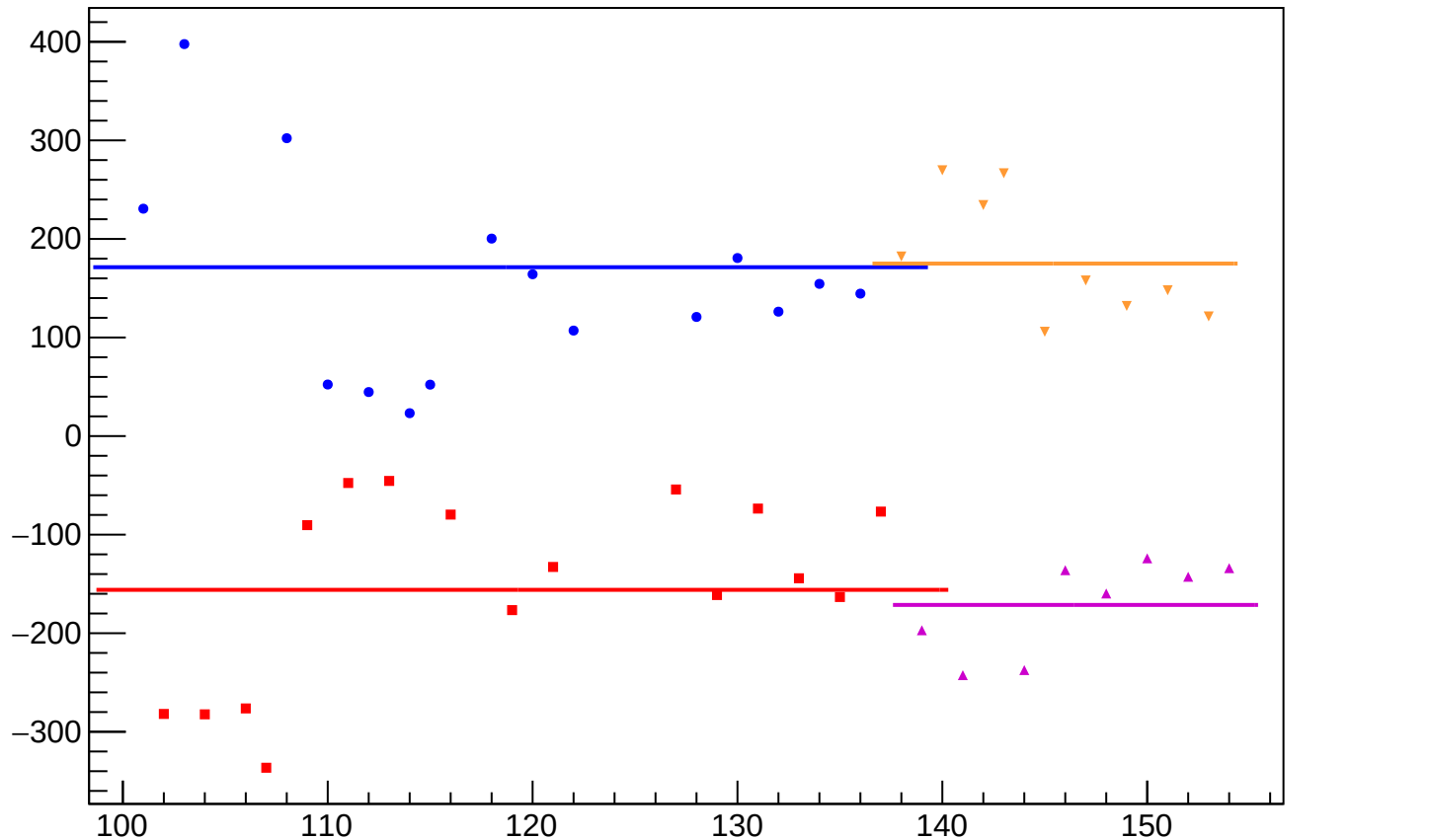
Right: -16.067+/-0.000 χ^2/NDF : 226649511001664

In: 124.741+/-0.000 χ^2/NDF : 25737907362561110

Out: -24.378+/-0.000 χ^2/NDF : 2156516761461355

All: 49.987+/-0.000 χ^2/NDF : 4745222534326

dit_sam7_coil4_err_mean vs Slug, Sign Corrected



Right In: 171.323+/-0.000

χ^2/NDF : 6120975075187305509795143064993398784.0/14

Left Out: 175.011+/-0.000

χ^2/NDF : 2329855537911353756029201814885761024.0/8

Right Out: -155.993+/-0.000

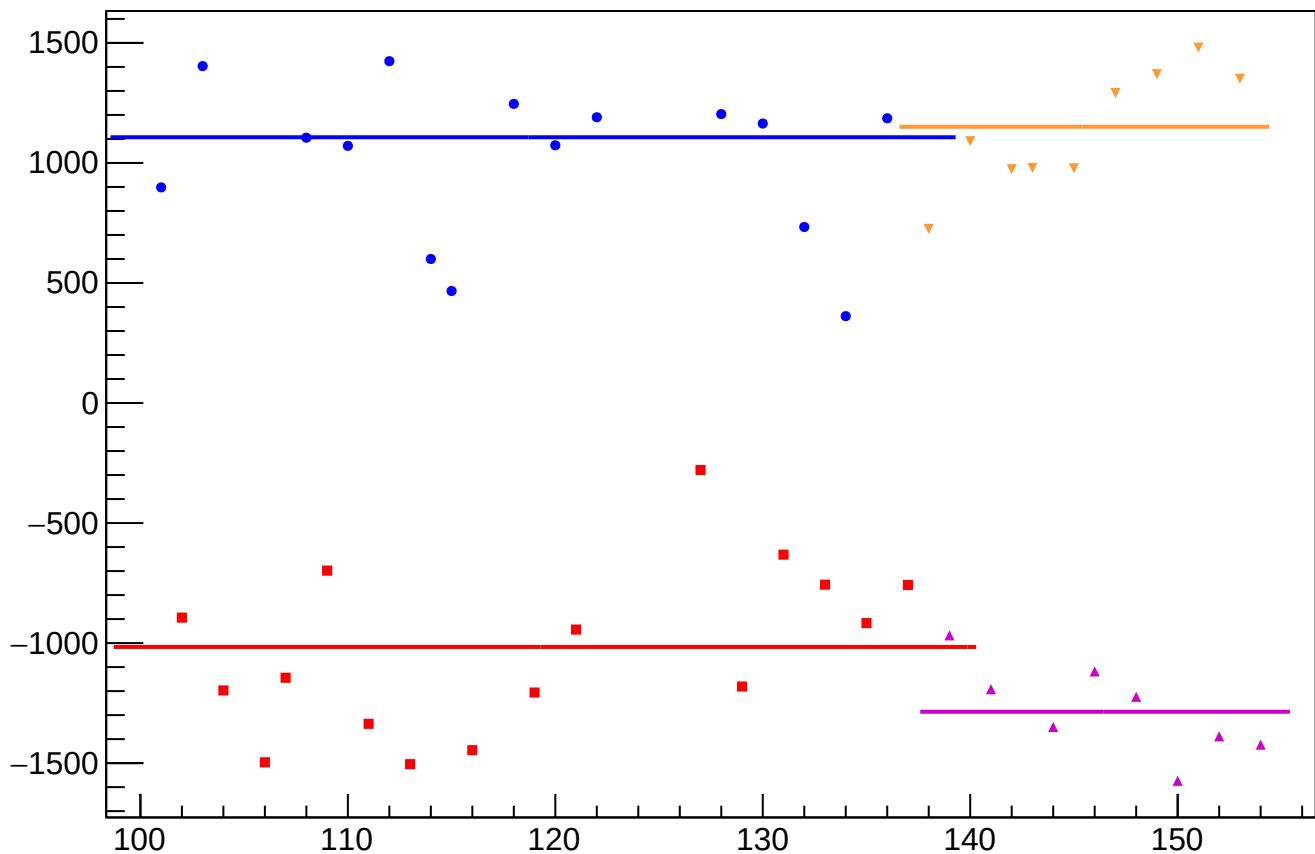
χ^2/NDF : 5680659281504595852021524727244783616.0/15

Left In: -171.305+/-0.000

χ^2/NDF : 1386211182138287032135874460164030464.0/7

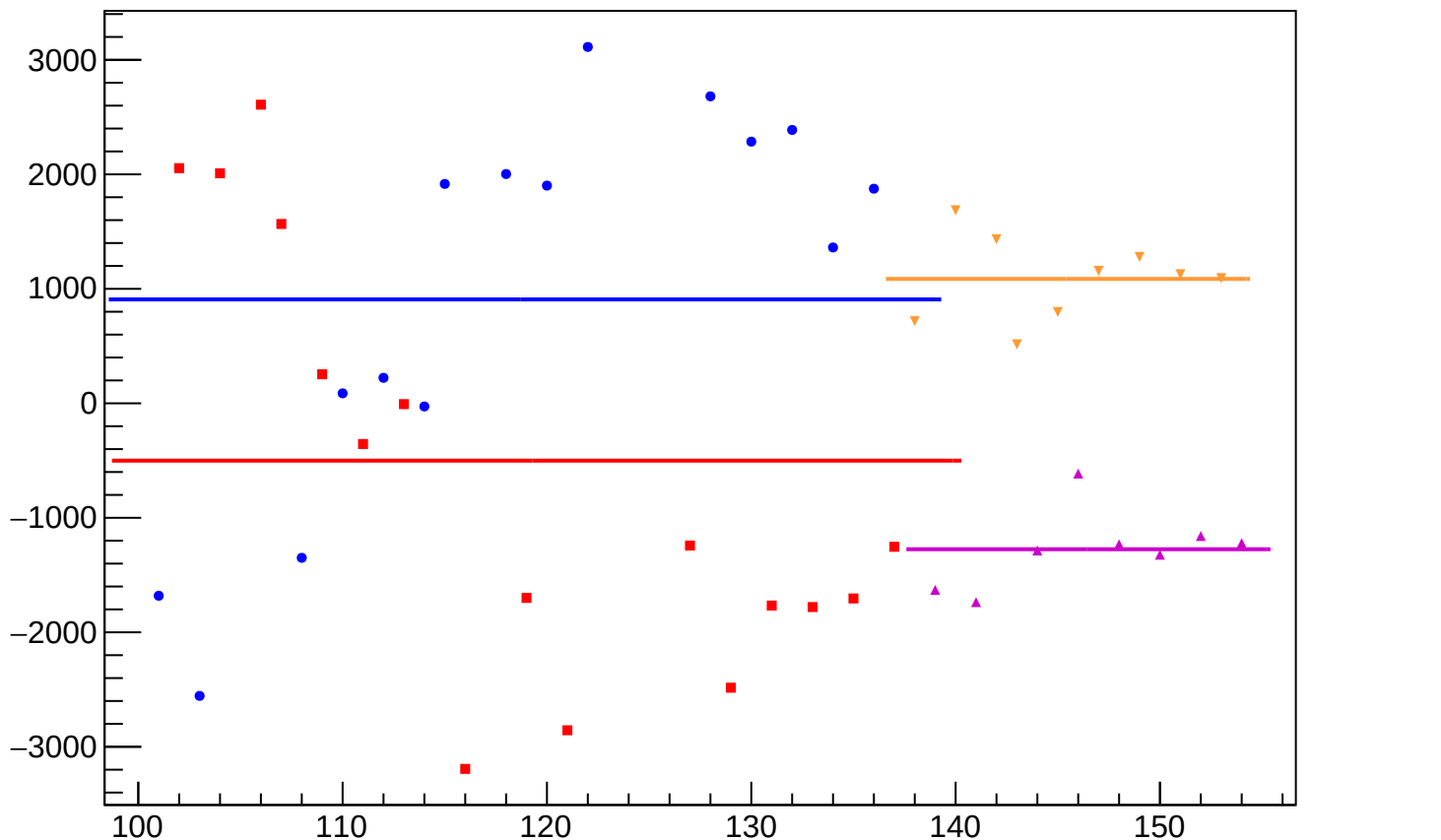
All: 2.896+/-0.000 χ^2/NDF : 91760502902497

dit_sam7_coil4_Ndata_mean vs Slug, Sign Corrected



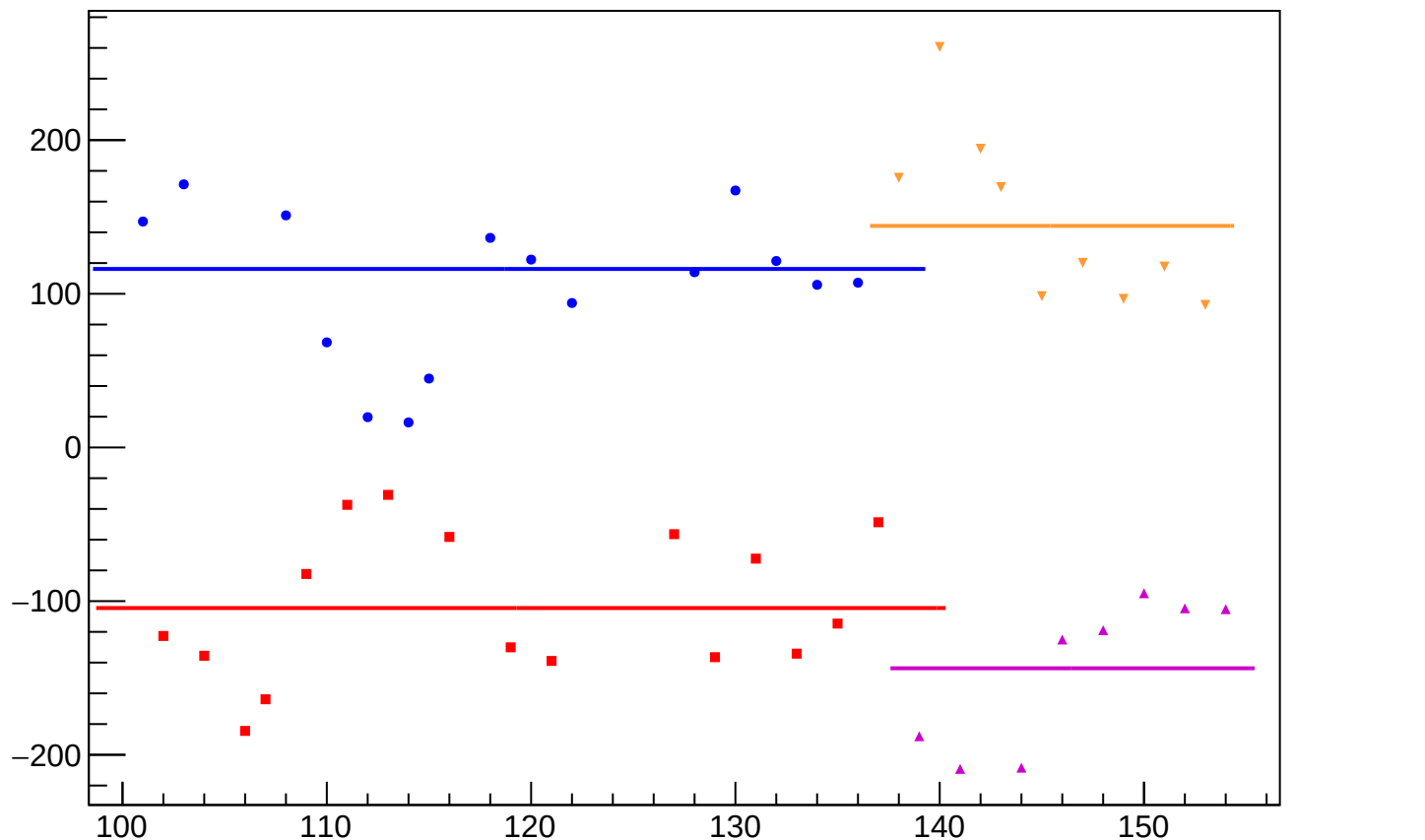
Right In: 1107.052 $\pm$ 0.000 χ^2 /NDF: 40633831787810179240542210398269472768.0/14
 Left Out: 1150.698 $\pm$ 0.000 χ^2 /NDF: 37586929183133584961001644800803340288.0/8
 Right Out: -1016.106 $\pm$ 0.000 χ^2 /NDF: 7256766433509192712184310037150171136.0/15
 Left In: -1285.964 $\pm$ 0.000 χ^2 /NDF: 22090664618145164661890170403116023808.0/7
 All: -24.272 $\pm$ 0.000 χ^2 /NDF: 369249352853

dit_sam8_coil4_mean vs Slug, Sign Corrected



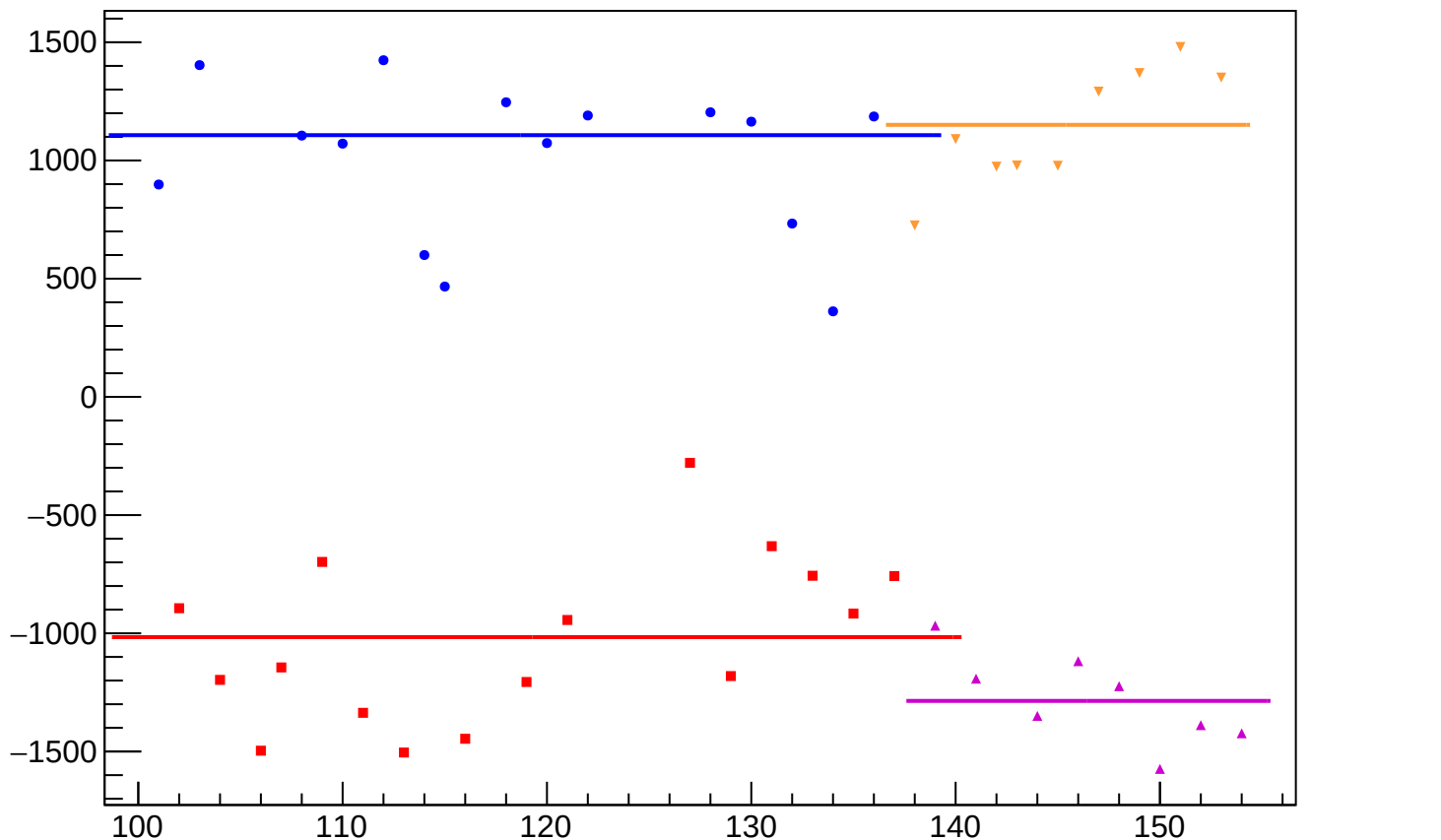
Right In: 907.442+/-0.000 χ^2/NDF : 2107238007691848638499662178406566461440.0/14
 Left Out: 1086.600+/-0.000 χ^2/NDF : 77896677909199374266364507868526280704.0/8
 Right Out: -500.689+/-0.000 χ^2/NDF : 2074232918749953174436803426379074895872.0/15
 Left In: -1274.539+/-0.000 χ^2/NDF : 66400012427178597488047480815478636544.0/7
 All: 42.314+/-0.000 χ^2/NDF : 6942353141308

dit_sam8_coil4_err_mean vs Slug, Sign Corrected



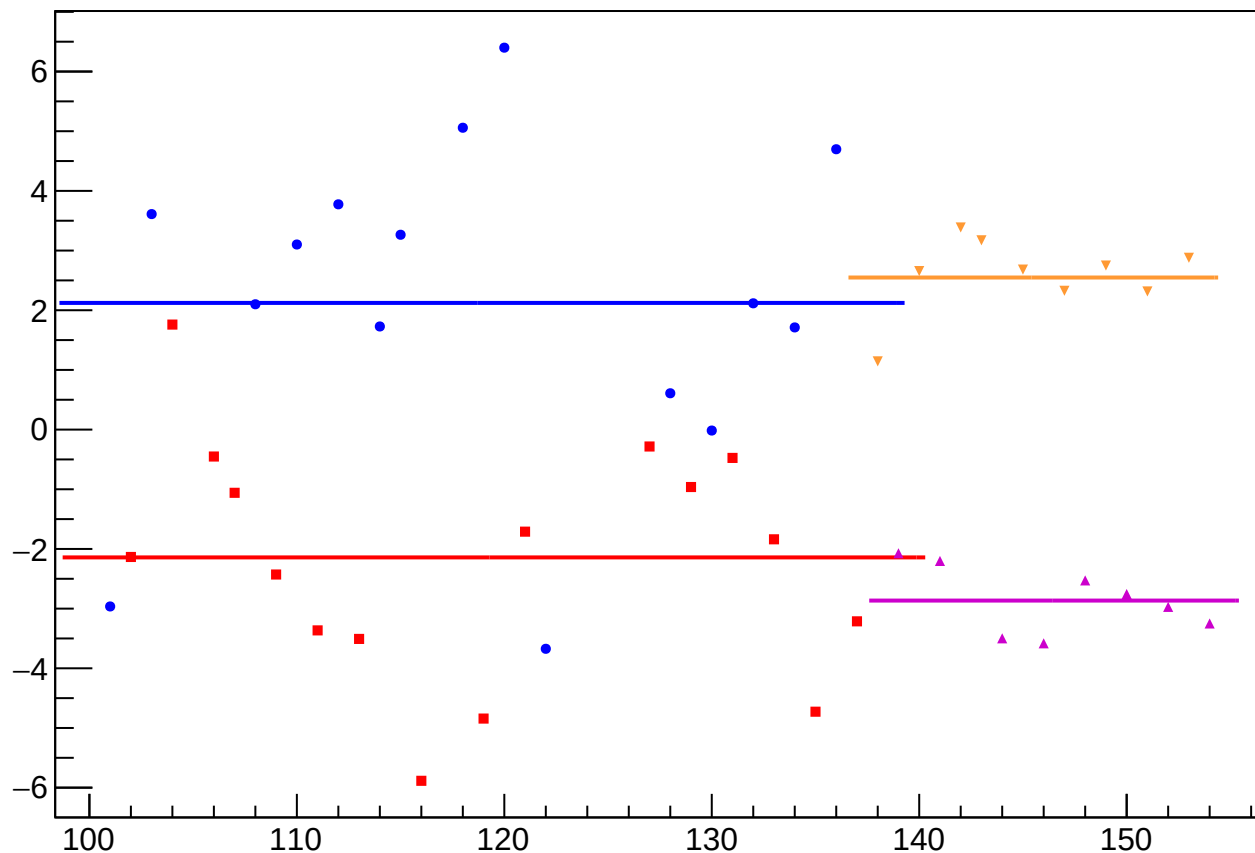
Right In: 116.159 $\pm$ 0.000 χ^2 /NDF: 1198526427485199785396504127288115200.0/14
 Left Out: 144.196 $\pm$ 0.000 χ^2 /NDF: 20296013247057135369656648484499456.0/8
 Right Out: -104.501 $\pm$ 0.000 χ^2 /NDF: 1285986383644058507445602420764180480.0/15
 Left In: -143.700 $\pm$ 0.000 χ^2 /NDF: 1457076061780516329125599731467157504.0/7
 All: 1.655 $\pm$ 0.000 χ^2 /NDF: 50329683636906

dit_sam8_coil4_Ndata_mean vs Slug, Sign Corrected



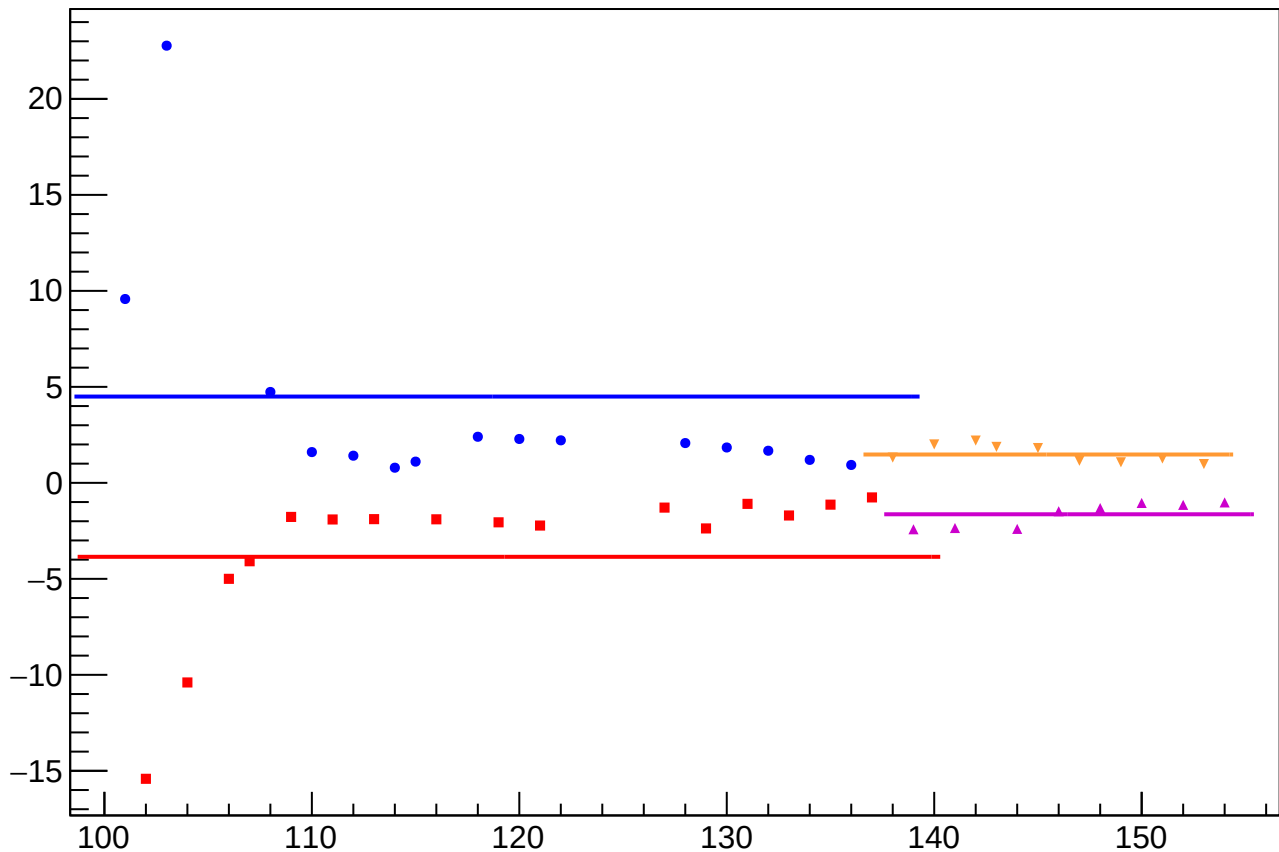
Left: -77.437 ± 0.000 $\chi^2/\text{NDF}: 2088624826968681$
 Right In: 1107.052 ± 0.000 $\chi^2/\text{NDF}: 40633831787810179240542210398269472768.0/14$
 Left Out: 1150.698 ± 0.000 $\chi^2/\text{NDF}: 37586929183133584961001644800803340288.0/8$
 Right Out: -1016.106 ± 0.000 $\chi^2/\text{NDF}: 72567664333509192712184310037150171136.0/15$
 Left In: -1285.964 ± 0.000 $\chi^2/\text{NDF}: 22090664618145164661890170403116023808.0/7$
 In: -125.226 ± 0.000 $\chi^2/\text{NDF}: 1976535501929842$
 Out: 76.156 ± 0.000 $\chi^2/\text{NDF}: 16887561822700349$
 All: -24.272 ± 0.000 $\chi^2/\text{NDF}: 369249352853$

dit_4aX_coil6_mean vs Slug, Sign Corrected



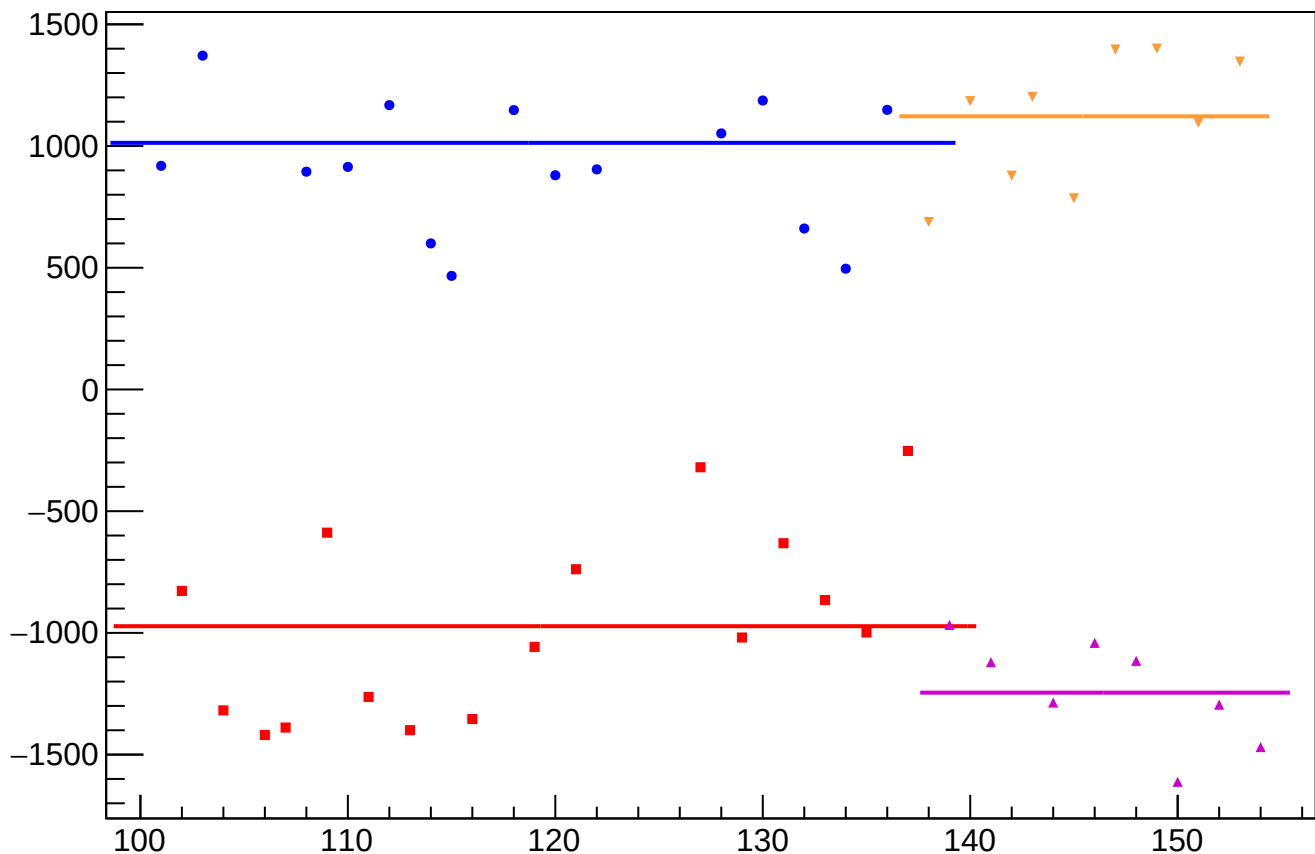
Right In: 2.123 ± 0.000 $\chi^2/\text{NDF}: 5263705922821075971022013849403392.0/14$
 Left Out: 2.548 ± 0.000 $\chi^2/\text{NDF}: 235526915906166694733808010264576.0/8$
 Right Out: -2.142 ± 0.000 $\chi^2/\text{NDF}: 2472949940993672466161692257026048.0/15$
 Left In: -2.865 ± 0.000 $\chi^2/\text{NDF}: 191411295752764839570825682092032.0/7$
 All: -0.111 ± 0.000 $\chi^2/\text{NDF}: 2417427832480$

dit_4aX_coil6_err_mean vs Slug, Sign Corrected



Right In: 4.495+/-0.000 χ^2/NDF : 25270242219816061532329198634401792.0/14
 Left Out: 1.476+/-0.000 χ^2/NDF : 115180070721705304376636205957120.0/8
 Right Out: -3.852+/-0.000 χ^2/NDF : 12314971476556806550518847638601728.0/15
 Left In: -1.637+/-0.000 χ^2/NDF : 241851505611519392751898104692736.0/7
 All: 0.082+/-0.000 χ^2/NDF : 64260537317373

dit_4aX_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1121.971+/-0.000

Right Out: -972.465+/-0.000

Left In: -1245.509+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

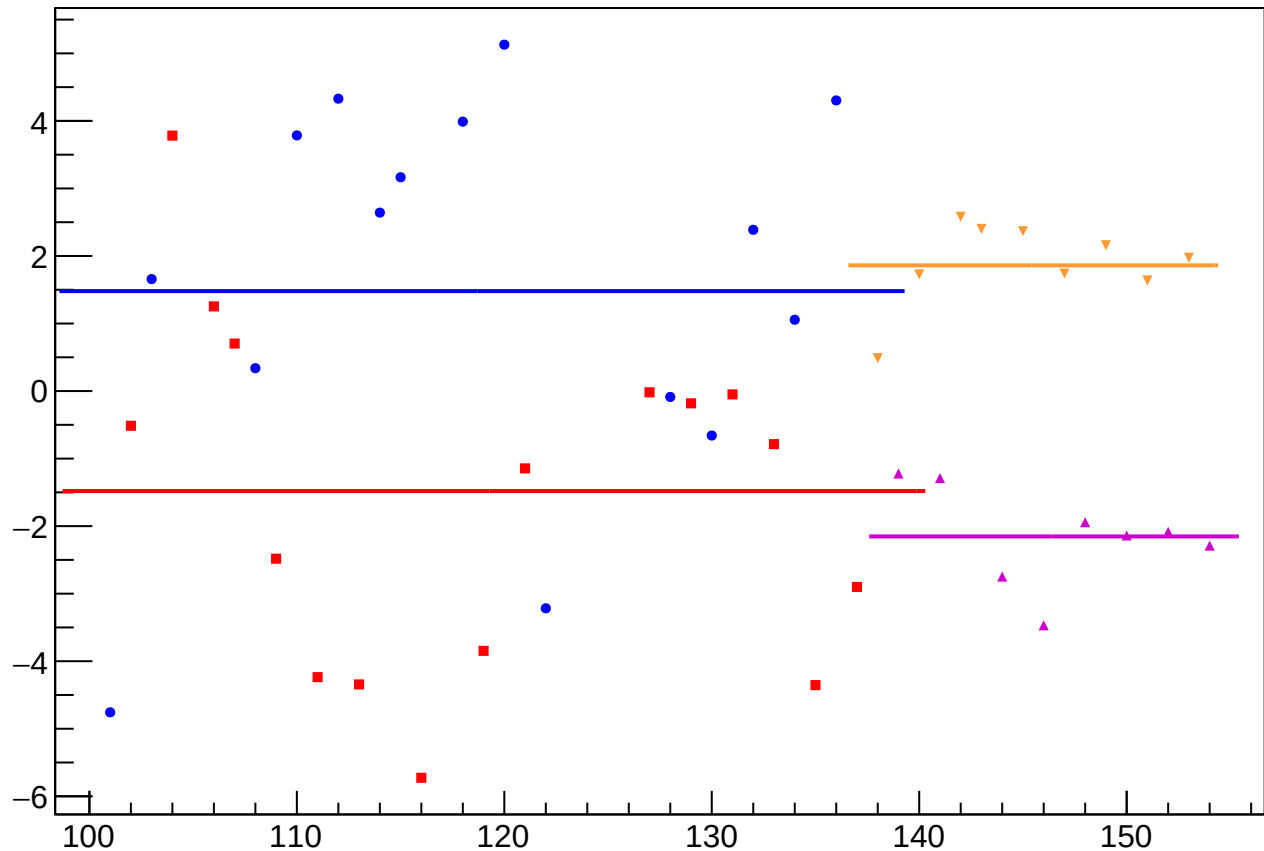
χ^2/NDF : 44094101174250383817095145493775777792.0/8

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 29517629202305629895835280294763560960.0/7

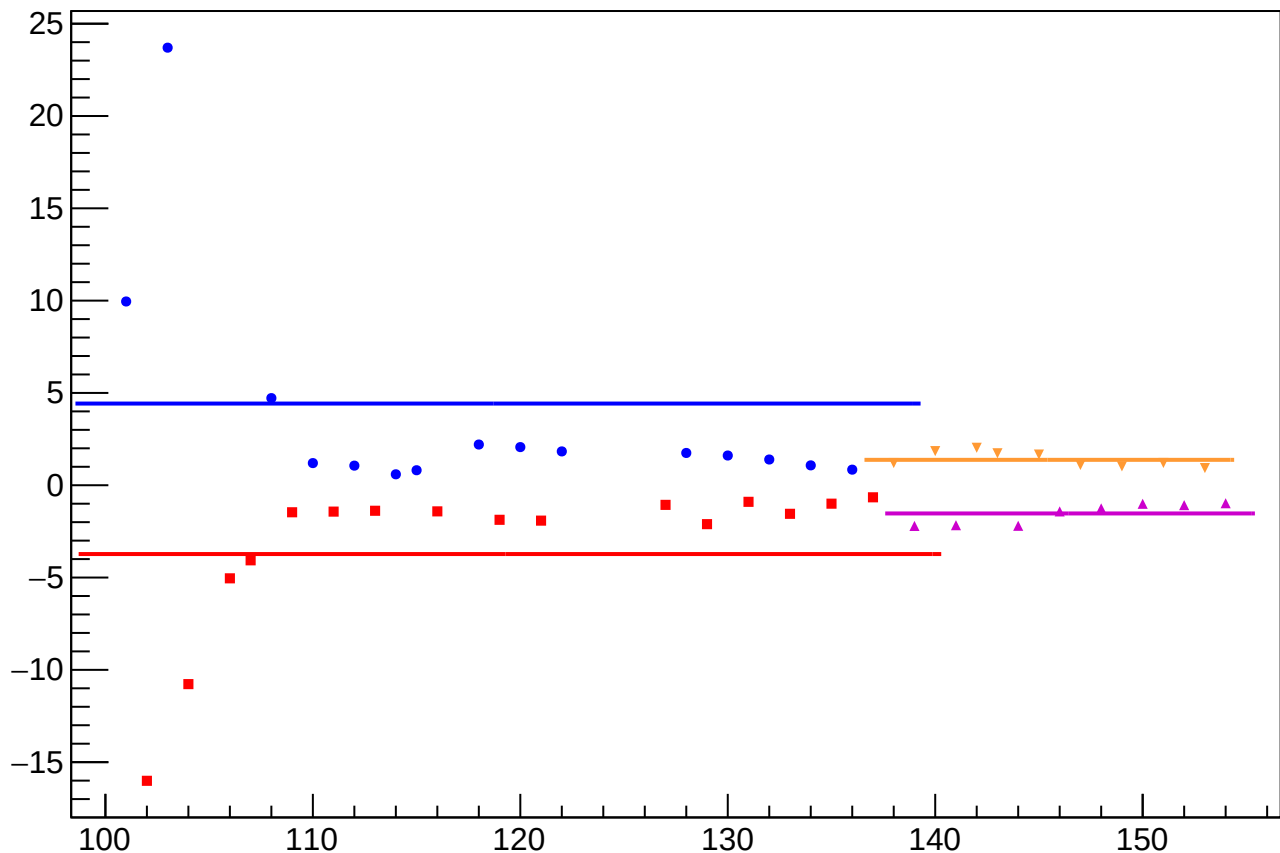
All: -33.009+/-0.000 χ^2/NDF : 340056389667

dit_4eX_coil6_mean vs Slug, Sign Corrected



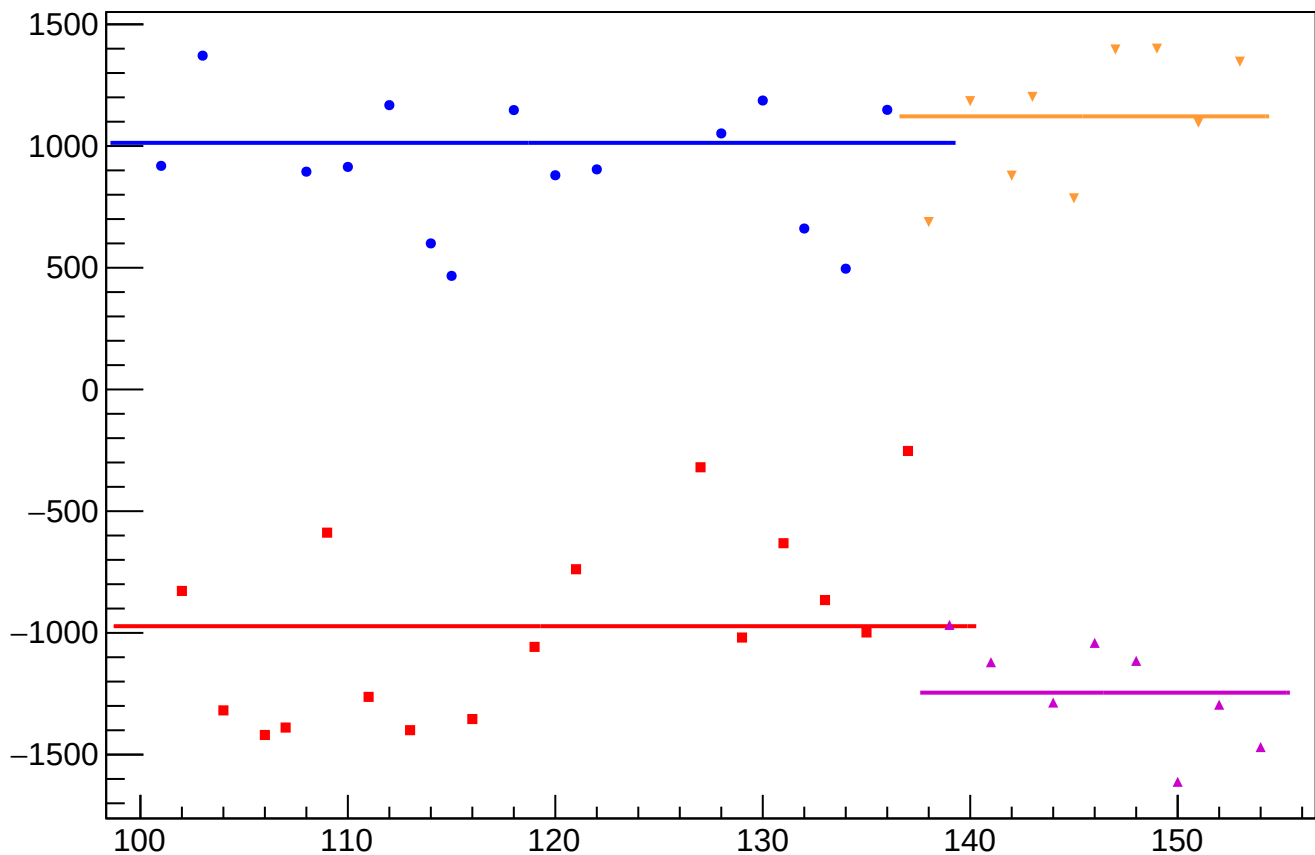
Right In: 1.480 ± 0.000 $\chi^2/\text{NDF}: 5799670695902784459055767987683328.0/14$
 Left Out: 1.861 ± 0.000 $\chi^2/\text{NDF}: 226342542856713048095649731444736.0/8$
 Right Out: -1.480 ± 0.000 $\chi^2/\text{NDF}: 4092645800613765572662987820367872.0/15$
 Left In: -2.153 ± 0.000 $\chi^2/\text{NDF}: 314738429342117203627831057186816.0/7$
 All: -0.093 ± 0.000 $\chi^2/\text{NDF}: 1883412806422.0/14$

dit_4eX_coil6_err_mean vs Slug, Sign Corrected



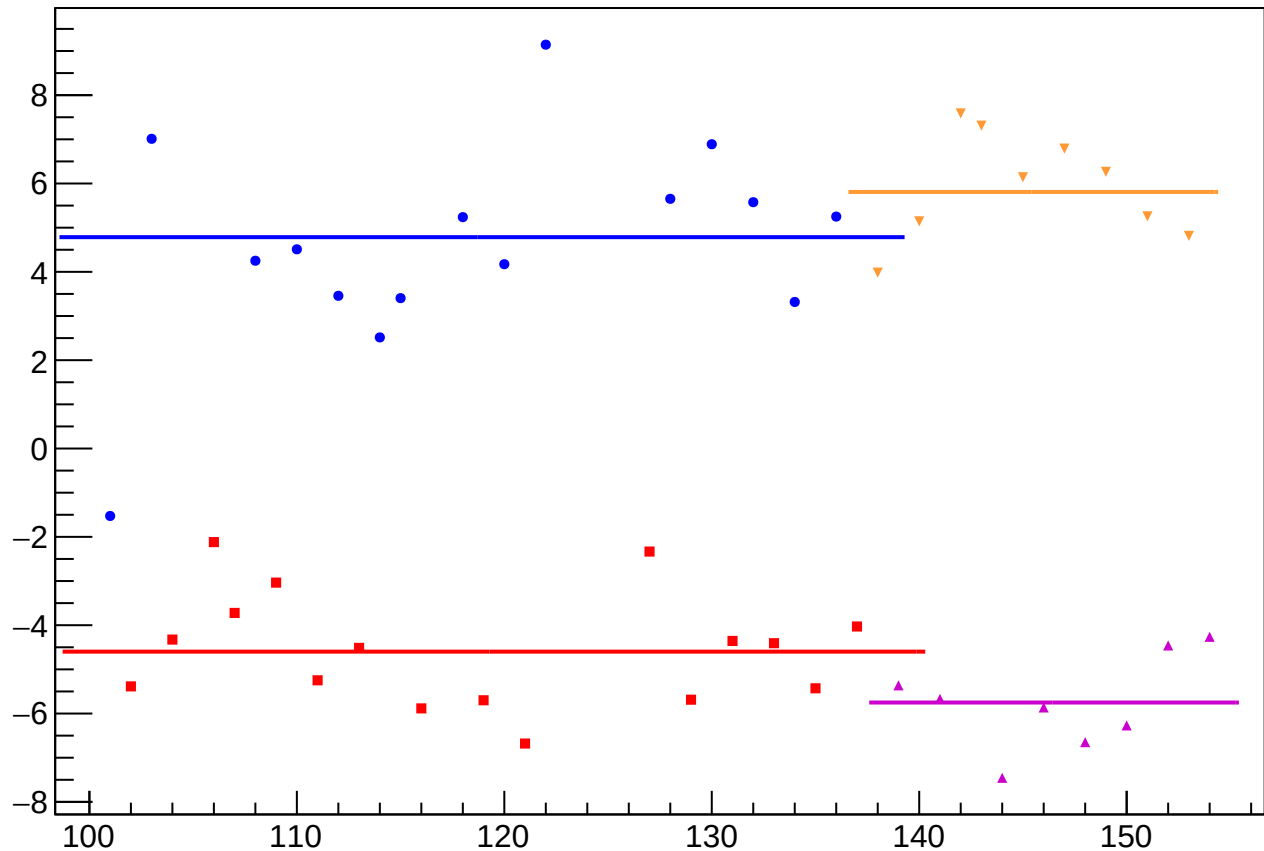
Right In: 4.424 $\pm$ 0.000 χ^2 /NDF: 28257459272876210608839830473277440.0/14
 Left Out: 1.376 $\pm$ 0.000 χ^2 /NDF: 91002318249972165549610401529856.0/8
 Right Out: -3.727 $\pm$ 0.000 χ^2 /NDF: 13991816814749842519794284853460992.0/15
 Left In: -1.528 $\pm$ 0.000 χ^2 /NDF: 188413553543029346055173401739264.0/7
 All: 0.099 $\pm$ 0.000 χ^2 /NDF: 67365140851380

dit_4eX_coil6_Ndata_mean vs Slug, Sign Corrected



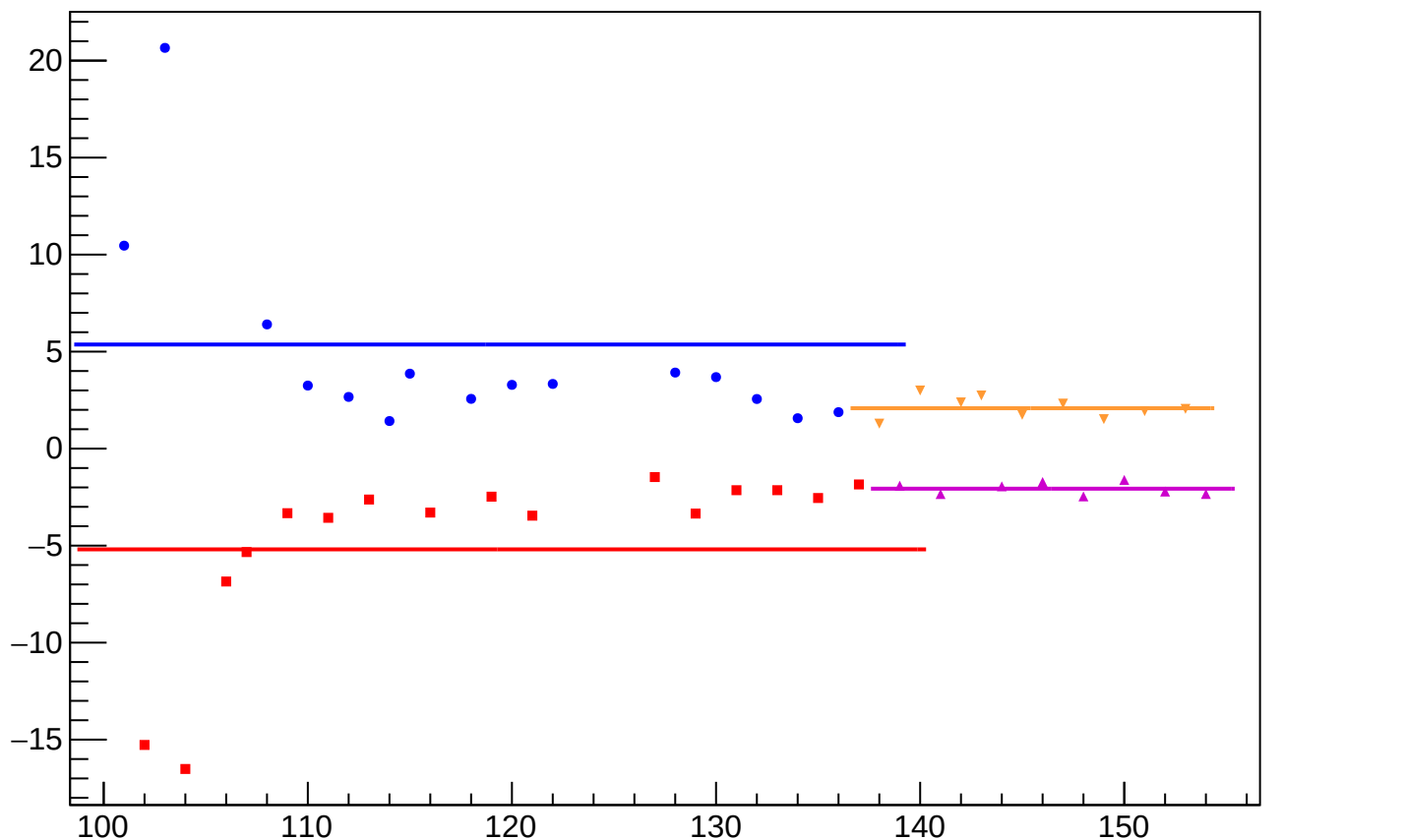
Right In: 1013.146+/-0.000	χ^2/NDF : 31721270909522099205936100724856324096.0/14	Left: -71.295+/-0.000	χ^2/NDF : 1988983204970967
Left Out: 1121.971+/-0.000	χ^2/NDF : 44094101174250383817095145493775777792.0/8	Right: 6.761+/-0.000	χ^2/NDF : 14074954421733032
Right Out: -972.465+/-0.000	χ^2/NDF : 78884457200782655962756069915468234752.0/15	In: -149.943+/-0.000	χ^2/NDF : 1766174254512265
Left In: -1245.509+/-0.000	χ^2/NDF : 29517629202305629895835280294763560960.0/7	Out: 83.317+/-0.000	χ^2/NDF : 15978940204823691
		All: -33.009+/-0.000	χ^2/NDF : 340056389667

dit_11X12X_coil6_mean vs Slug, Sign Corrected



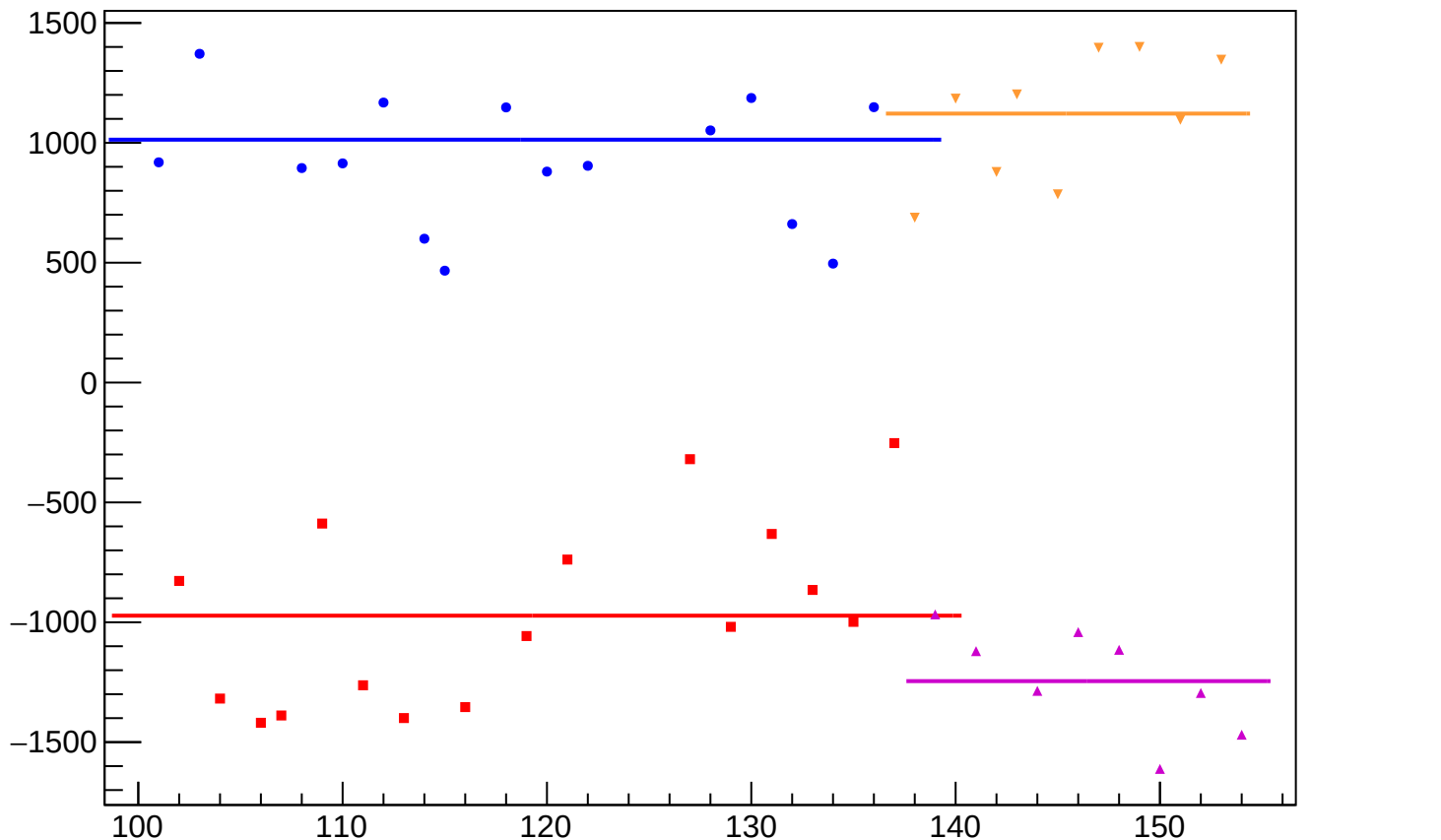
Right In: 4.785 $\pm$ 0.000 χ^2 /NDF: 3996556073154779711808159470321664.0/14
 Left Out: 5.809 $\pm$ 0.000 χ^2 /NDF: 802095910808286187470698657611776.0/8
 Right Out: -4.598 $\pm$ 0.000 χ^2 /NDF: 989607156792948633247632779640832.0/15
 Left In: -5.751 $\pm$ 0.000 χ^2 /NDF: 706679513832613977517502001840128.0/7
 All: 0.005 $\pm$ 0.000 χ^2 /NDF: 81120341348714

dit_11X12X_coil6_err_mean vs Slug, Sign Corrected



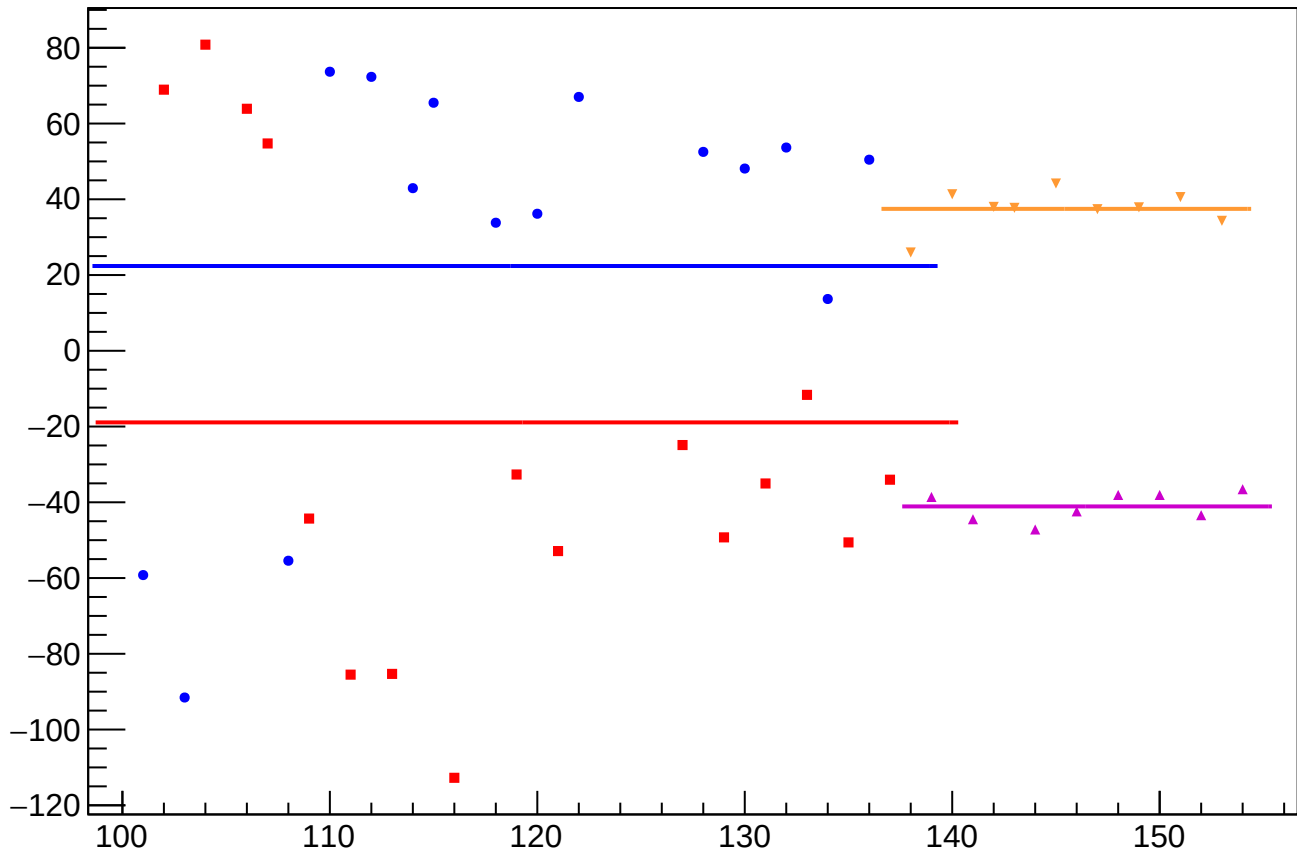
Left: -0.008 +/- 0.000 χ^2/NDF : 61294771172641341
 Right In: 5.366 +/- 0.000 χ^2/NDF : 18780724722063497096153009301225472.0/14
 Right: 0.015 +/- 0.000 χ^2/NDF : 71199413844226553
 Left Out: 2.082 +/- 0.000 χ^2/NDF : 192834906769967902242651848572928.0/8
 In: 1.539 +/- 0.000 χ^2/NDF : 3729596577479409739
 Right Out: -5.192 +/- 0.000 χ^2/NDF : 15749573754945345754432436952891392.0/15
 Out: -1.525 +/- 0.000 χ^2/NDF : 33732712327879120
 Left In: -2.065 +/- 0.000 χ^2/NDF : 60020520444192939998587603910656.0/7
 All: 0.003 +/- 0.000 χ^2/NDF : 77329246747370

dit_11X12X_coil6_Ndata_mean vs Slug, Sign Corrected



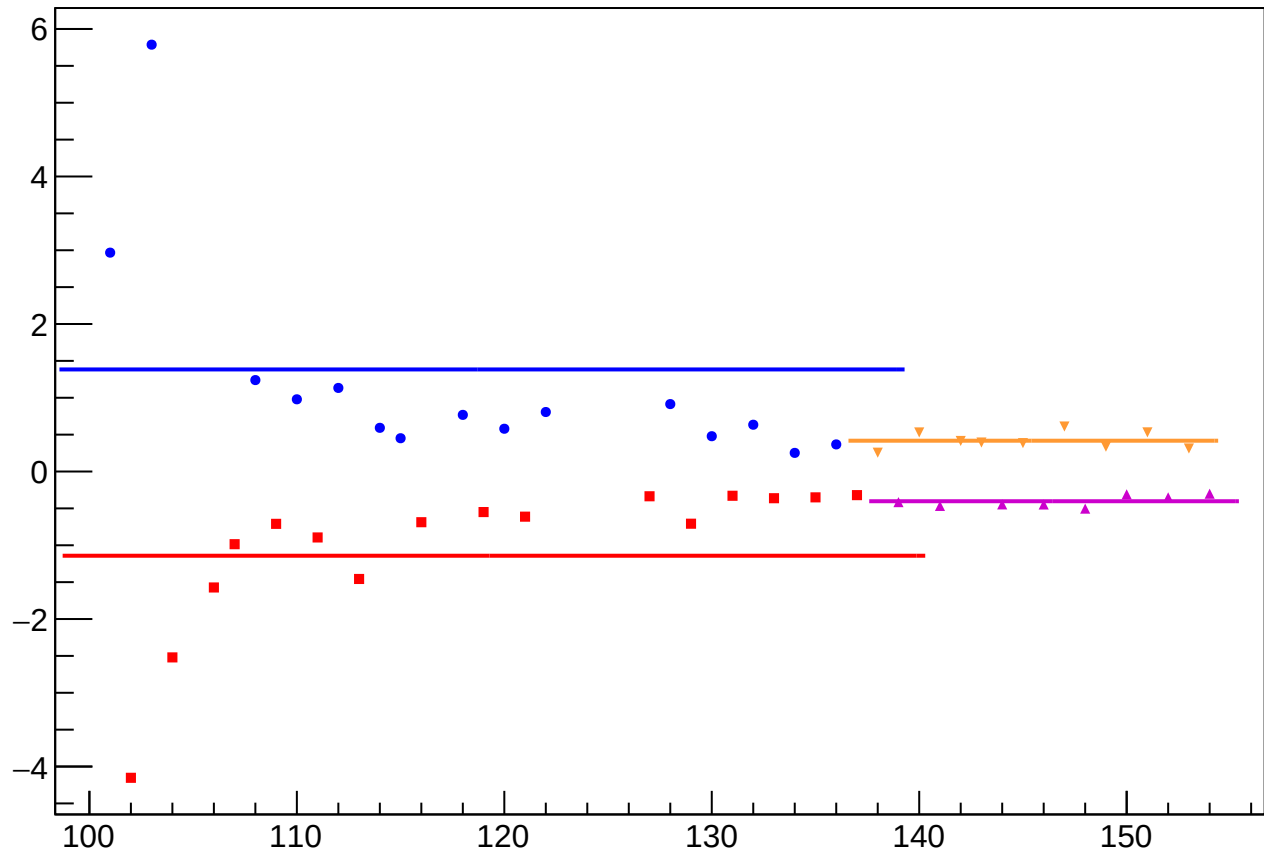
Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1121.971+/-0.000 χ^2/NDF : 44094101174250383817095145493775777792.0/8
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1245.509+/-0.000 χ^2/NDF : 29517629202305629895835280294763560960.0/7
 All: -33.009+/-0.000 χ^2/NDF : 340056389667

dit_4aY_coil6_mean vs Slug, Sign Corrected



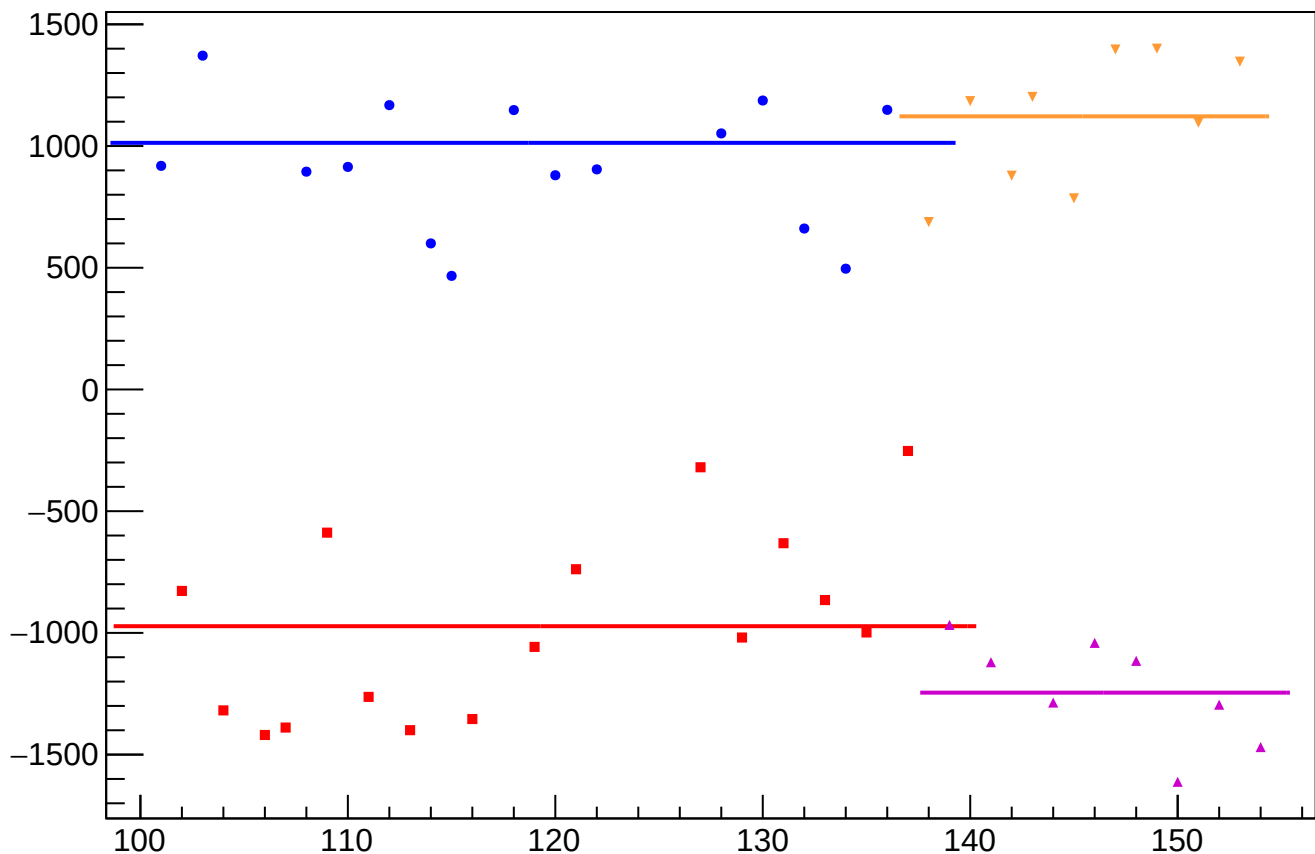
Right In: 22.385 ± 0.000 $\chi^2/\text{NDF}: 1922260860023592637794094183323009024.0/14$
 Left Out: 37.472 ± 0.000 $\chi^2/\text{NDF}: 16811192975448682065050060833423360.0/8$
 Right Out: -18.907 ± 0.000 $\chi^2/\text{NDF}: 2182221808408156293593993992757837824.0/15$
 Left In: -41.092 ± 0.000 $\chi^2/\text{NDF}: 8828605441751829392135879491846144.0/7$
 All: -0.369 ± 0.000 $\chi^2/\text{NDF}: 6808808700743$

dit_4aY_coil6_err_mean vs Slug, Sign Corrected



Right In: 1.384 +/- 0.000 χ^2/NDF : 1571159324102064120487940936695808.0/14
 Left Out: 0.418 +/- 0.000 χ^2/NDF : 8583723865533905000578569732096.0/8
 Right Out: -1.142 +/- 0.000 χ^2/NDF : 810680738285448955223066212827136.0/15
 Left In: -0.403 +/- 0.000 χ^2/NDF : 3496572166957093785476693753856.0/7
 All: 0.053 +/- 0.000 χ^2/NDF : 47291456704924

dit_4aY_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1121.971+/-0.000

Right Out: -972.465+/-0.000

Left In: -1245.509+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 44094101174250383817095145493775777792.0/8

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 29517629202305629895835280294763560960.0/7

Left: -71.295+/-0.000 χ^2/NDF : 1988983204970967

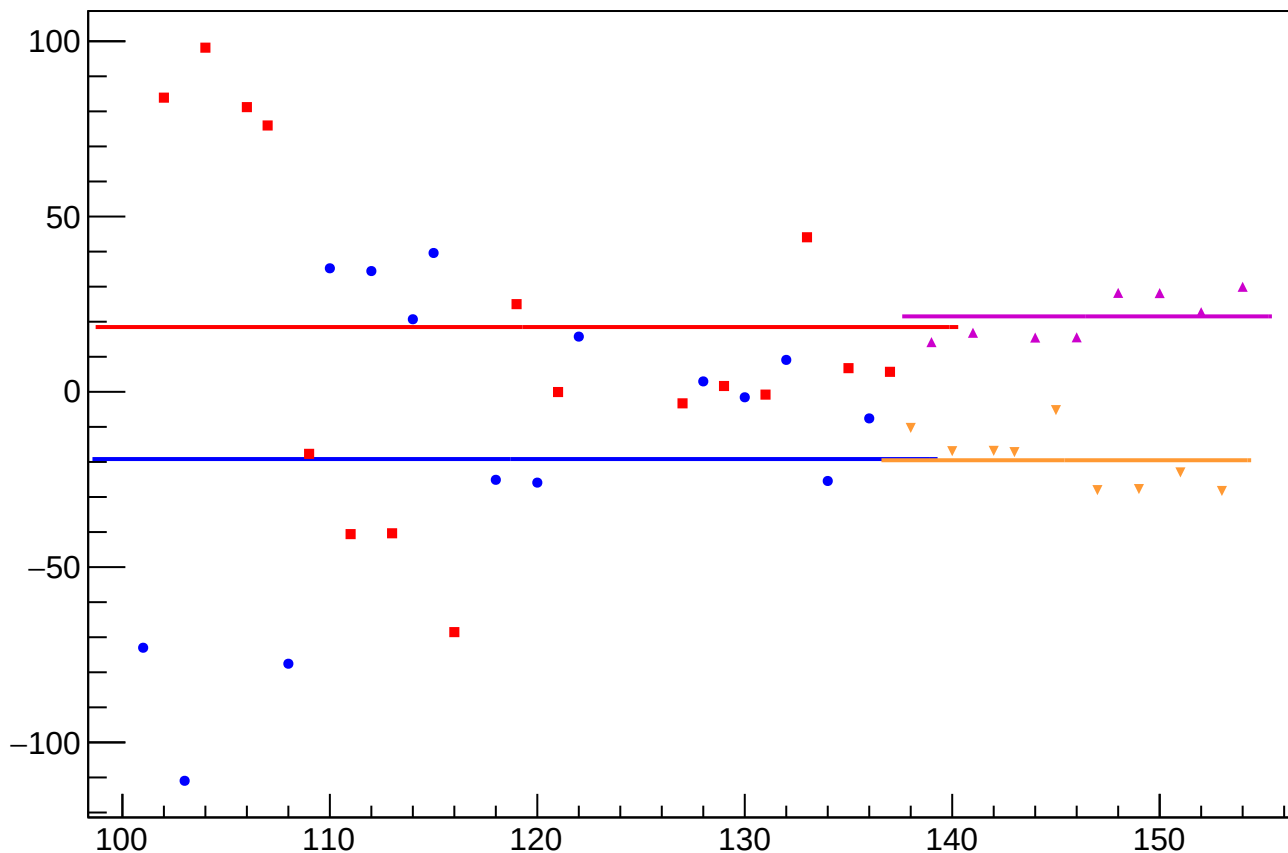
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -149.943+/-0.000 χ^2/NDF : 1766174254512265

Out: 83.317+/-0.000 χ^2/NDF : 15978940204823691

All: -33.009+/-0.000 χ^2/NDF : 340056389667

dit_4eY_coil6_mean vs Slug, Sign Corrected



Right In: -19.175 ± 0.000

Left Out: -19.517 ± 0.000

Right Out: 18.479 ± 0.000

Left In: 21.521 ± 0.000

χ^2/NDF : 1246364705689764961102868160463241216.0/14

χ^2/NDF : 43224998004121266240219105246314496.0/8

χ^2/NDF : 1489398115046175180640331393369374720.0/15

χ^2/NDF : 26682956522061967697396231649099776.0/7

Left: 1.167 ± 0.000 χ^2/NDF : 645415700617294885

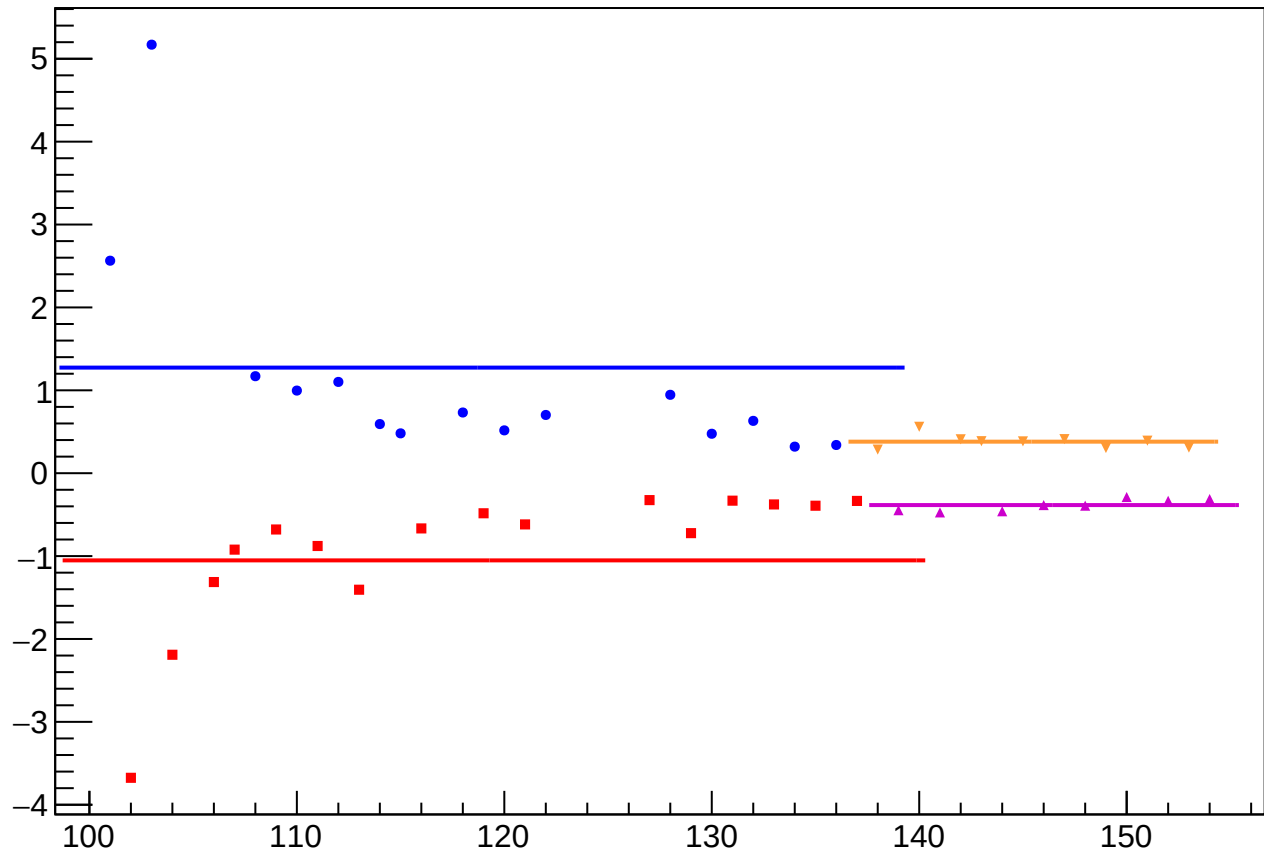
Right: -0.091 ± 0.000 χ^2/NDF : 3202145485356183

In: 1.781 ± 0.000 χ^2/NDF : 1826543007477517570

Out: -0.674 ± 0.000 χ^2/NDF : 20180343561655880

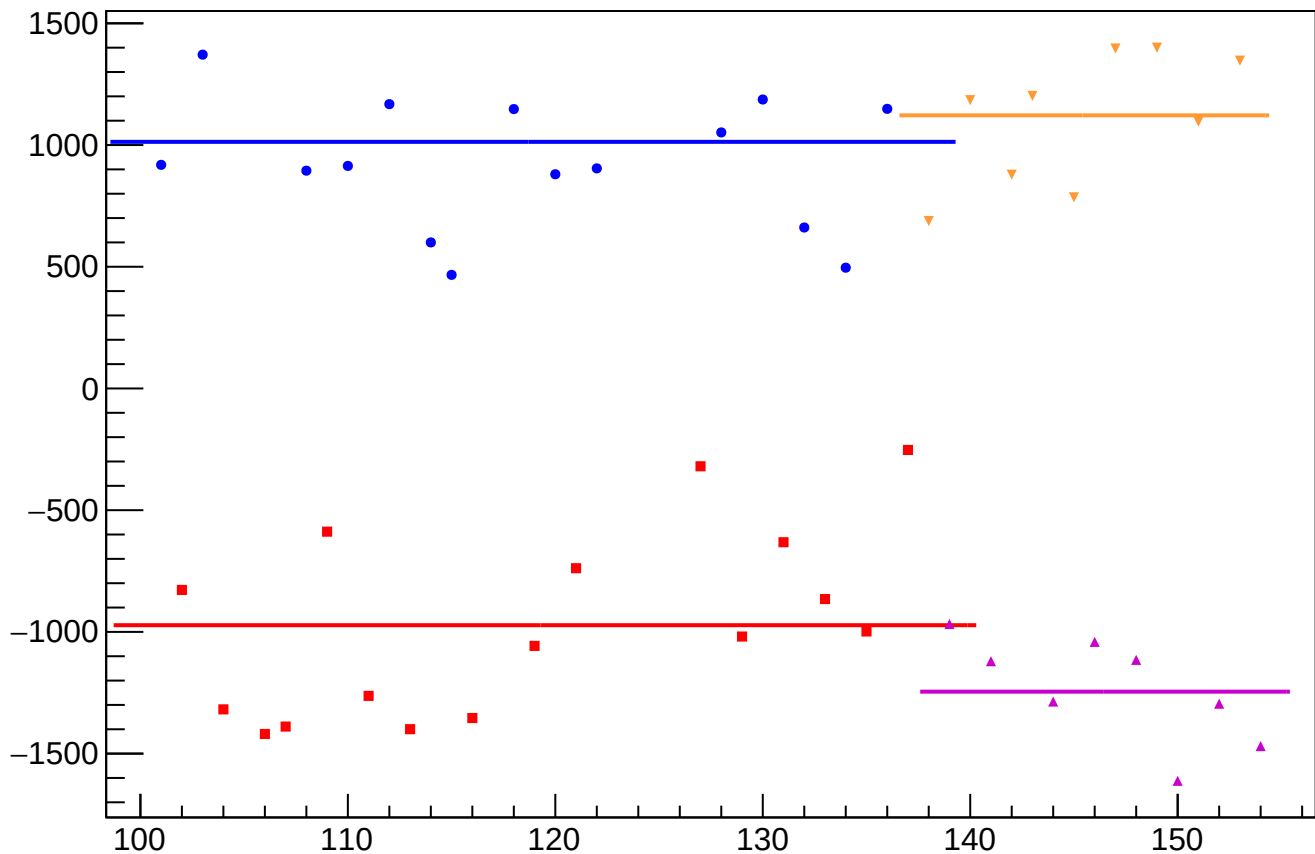
All: 0.550 ± 0.000 χ^2/NDF : 38486217068917

dit_4eY_coil6_err_mean vs Slug, Sign Corrected



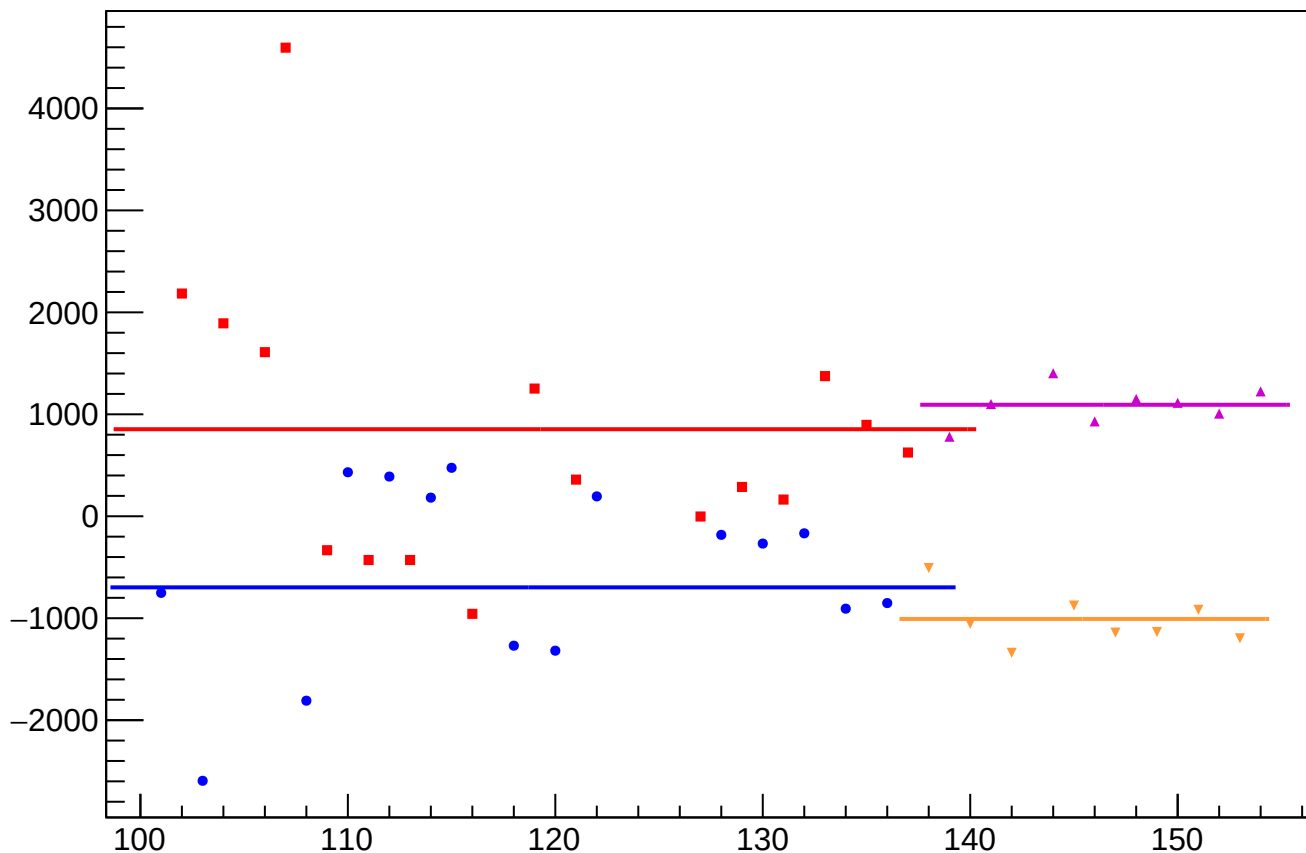
Right In: 1.274+/-0.000 χ^2/NDF : 1212041476631073599154045304438784.0/14
 Left Out: 0.381+/-0.000 χ^2/NDF : 4409856942651405363008319258624.0/8
 Right Out: -1.052+/-0.000 χ^2/NDF : 607316121057753919194559126962176.0/15
 Left In: -0.385+/-0.000 χ^2/NDF : 3035522758377891214581114601472.0/7
 All: 0.044+/-0.000 χ^2/NDF : 38129282944774.0/34

dit_4eY_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000	χ^2/NDF : 31721270909522099205936100724856324096.0/14	Left: -71.295+/-0.000	χ^2/NDF : 1988983204970967
Left Out: 1121.971+/-0.000	χ^2/NDF : 44094101174250383817095145493775777792.0/8	Right: 6.761+/-0.000	χ^2/NDF : 14074954421733032
Right Out: -972.465+/-0.000	χ^2/NDF : 78884457200782655962756069915468234752.0/15	In: -149.943+/-0.000	χ^2/NDF : 1766174254512265
Left In: -1245.509+/-0.000	χ^2/NDF : 29517629202305629895835280294763560960.0/7	Out: 83.317+/-0.000	χ^2/NDF : 15978940204823691
		All: -33.009+/-0.000	χ^2/NDF : 340056389667

dit_usl_coil6_mean vs Slug, Sign Corrected



Right In: -697.283+/-0.000

χ^2 /NDF: 490435790698133828475769692944364208128.0/14

Left Out: -1007.082+/-0.000

χ^2 /NDF: 32581789781416783320392974922674077696.0/7

Right Out: 853.734+/-0.000

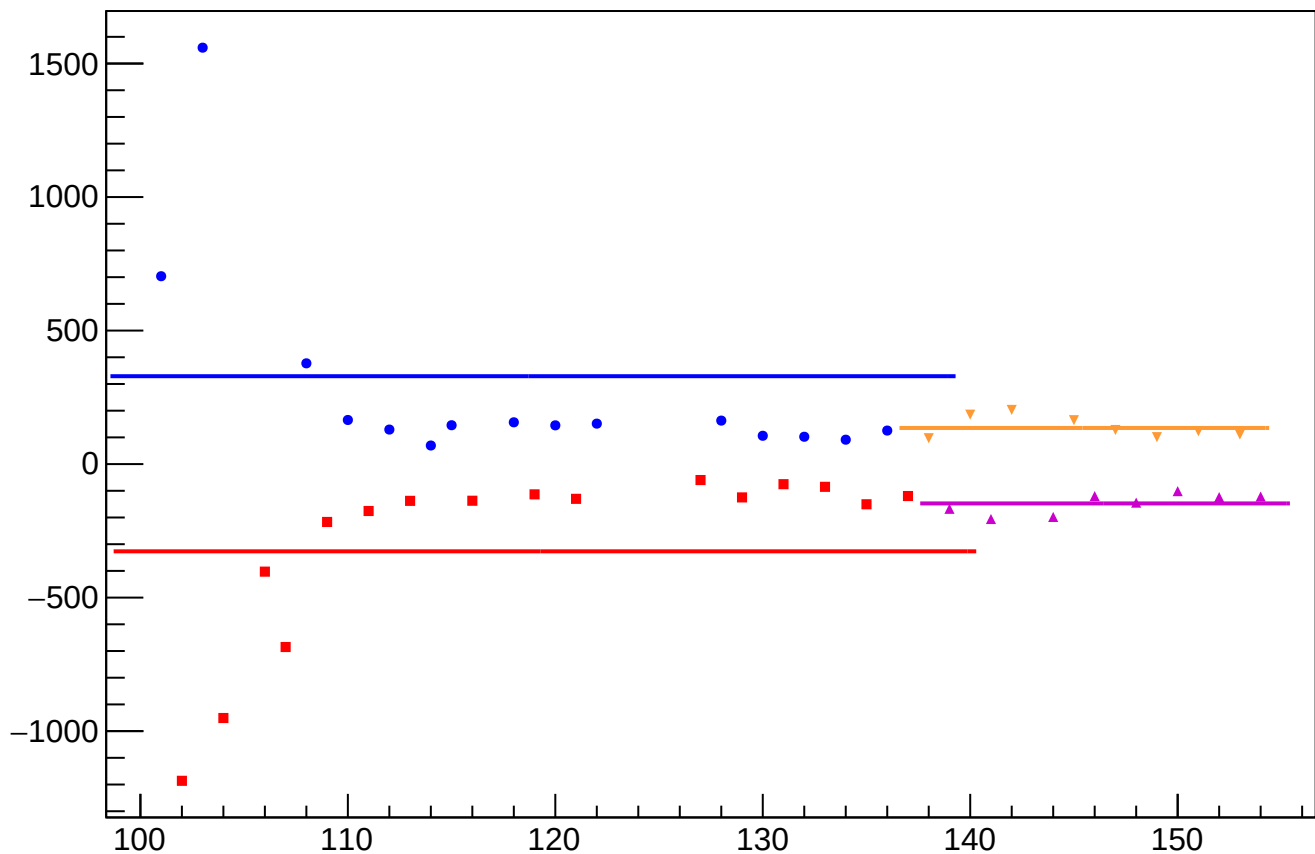
χ^2 /NDF: 1078379020126412317155932275156201766912.0/15

Left In: 1093.449+/-0.000

χ^2 /NDF: 21167539771276414657483454465305477120.0/7

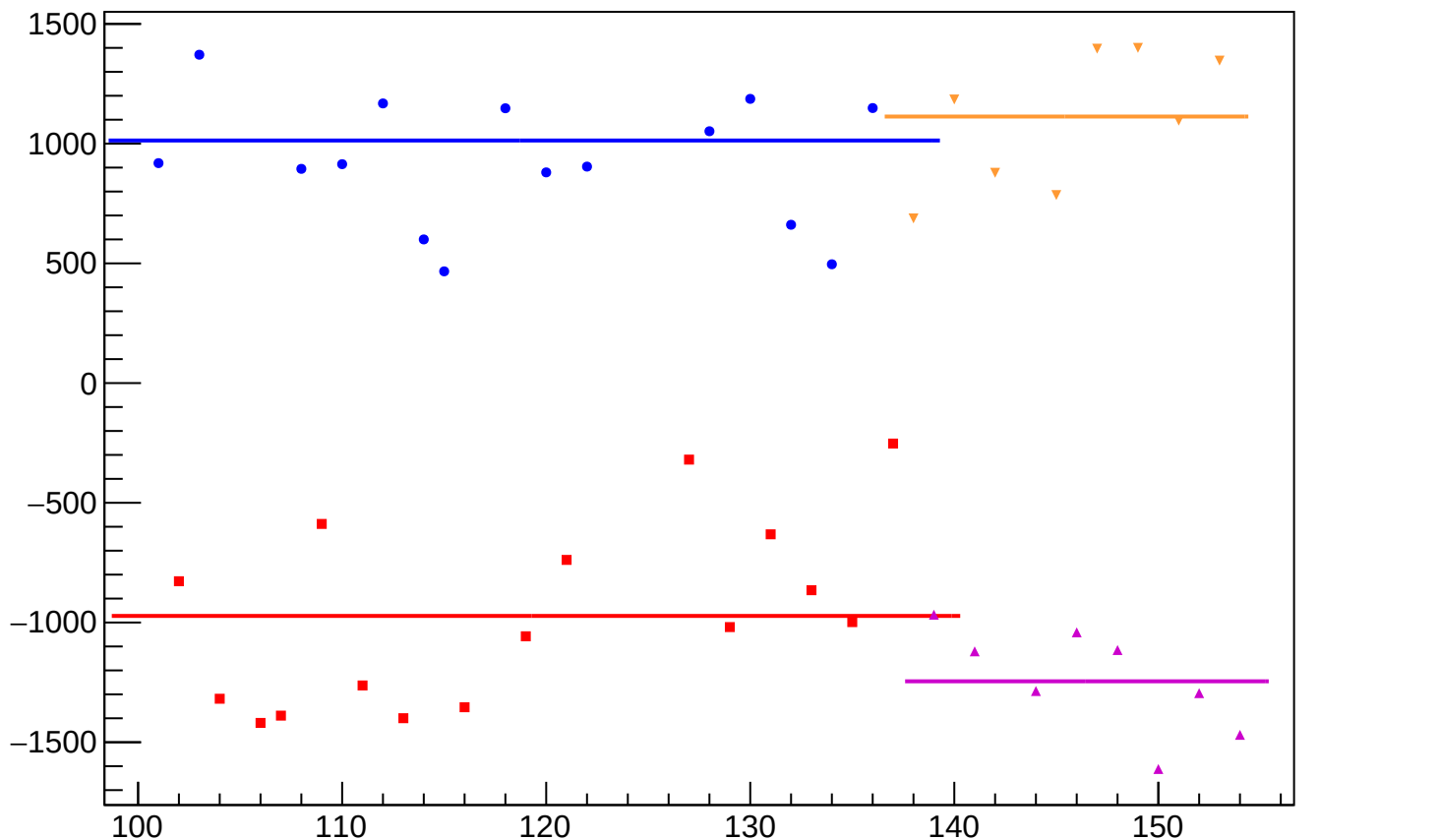
All: 97.463+/-0.000 χ^2 /NDF: 3842885503754

dit_usl_coil6_err_mean vs Slug, Sign Corrected



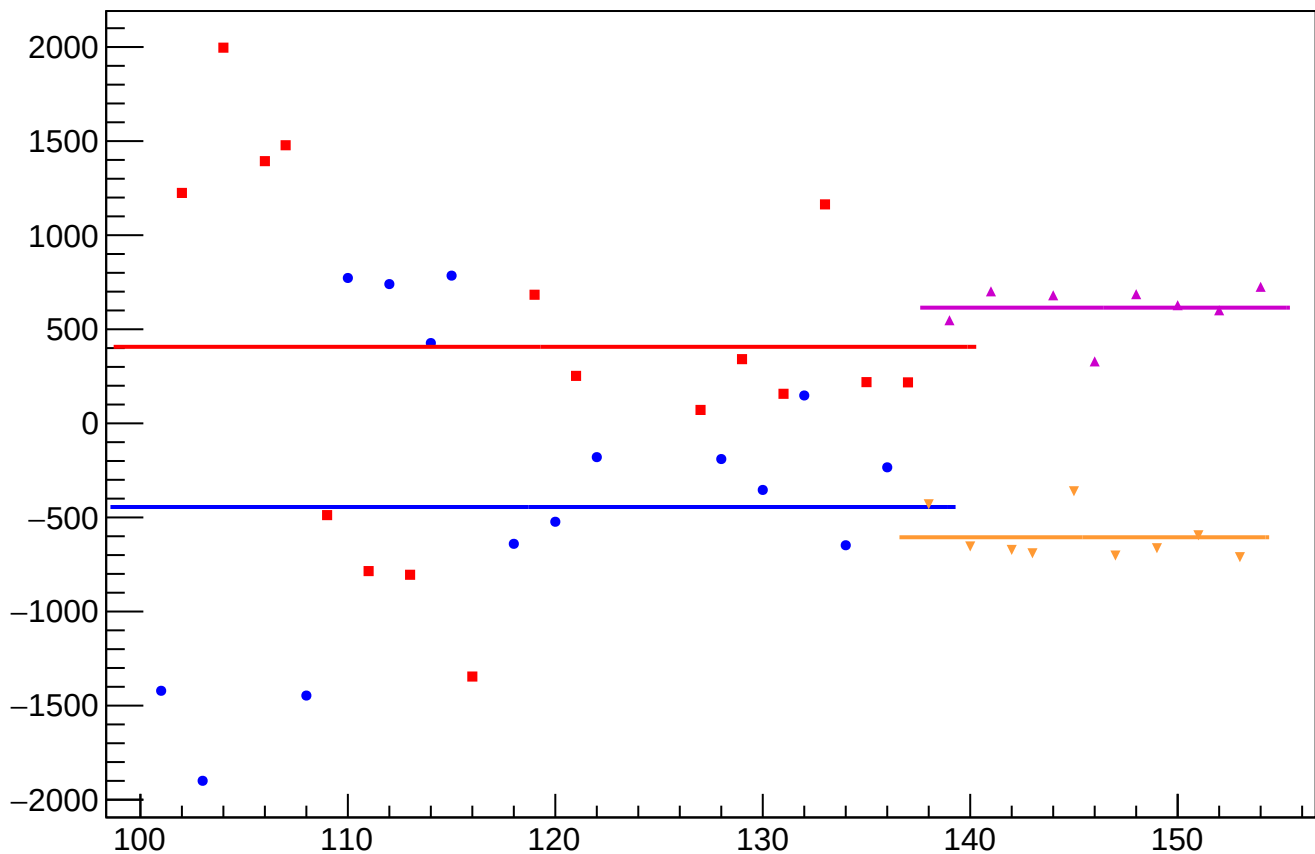
Right In: 329.108 +/- 0.000 χ^2/NDF : 116863820700538623524207945698672377856.0/14
 Left Out: 135.290 +/- 0.000 χ^2/NDF : 764474301819176374774905107898171392.0/7
 Right Out: -326.695 +/- 0.000 χ^2/NDF : 87569123354318020688611028415151079424.0/15
 Left In: -147.292 +/- 0.000 χ^2/NDF : 913817940657155350114343527204782080.0/7
 All: -8.844 +/- 0.000 χ^2/NDF : 3735207928935

dit_usl_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146 +/- 0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1113.196 +/- 0.000 χ^2/NDF : 43618107181374068267805103212996853760.0/7
 Right Out: -972.465 +/- 0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1245.509 +/- 0.000 χ^2/NDF : 29517629202305629895835280294763560960.0/7
 All: -64.639 +/- 0.000 χ^2/NDF : 329575764648

dit_usr_coil6_mean vs Slug, Sign Corrected



Right In: -444.512+/-0.000

χ^2/NDF : 396481903501593703066535851229953654784.0/14

Left Out: -605.344+/-0.000

χ^2/NDF : 10106286603222435089149949548664193024.0/8

Right Out: 406.729+/-0.000

χ^2/NDF : 529122421866774810012941782239129108480.0/15

Left In: 614.860+/-0.000

χ^2/NDF : 9712000774725995292312246486346760192.0/7

Left: 9.668+/-0.000 χ^2/NDF : 528615814416234332

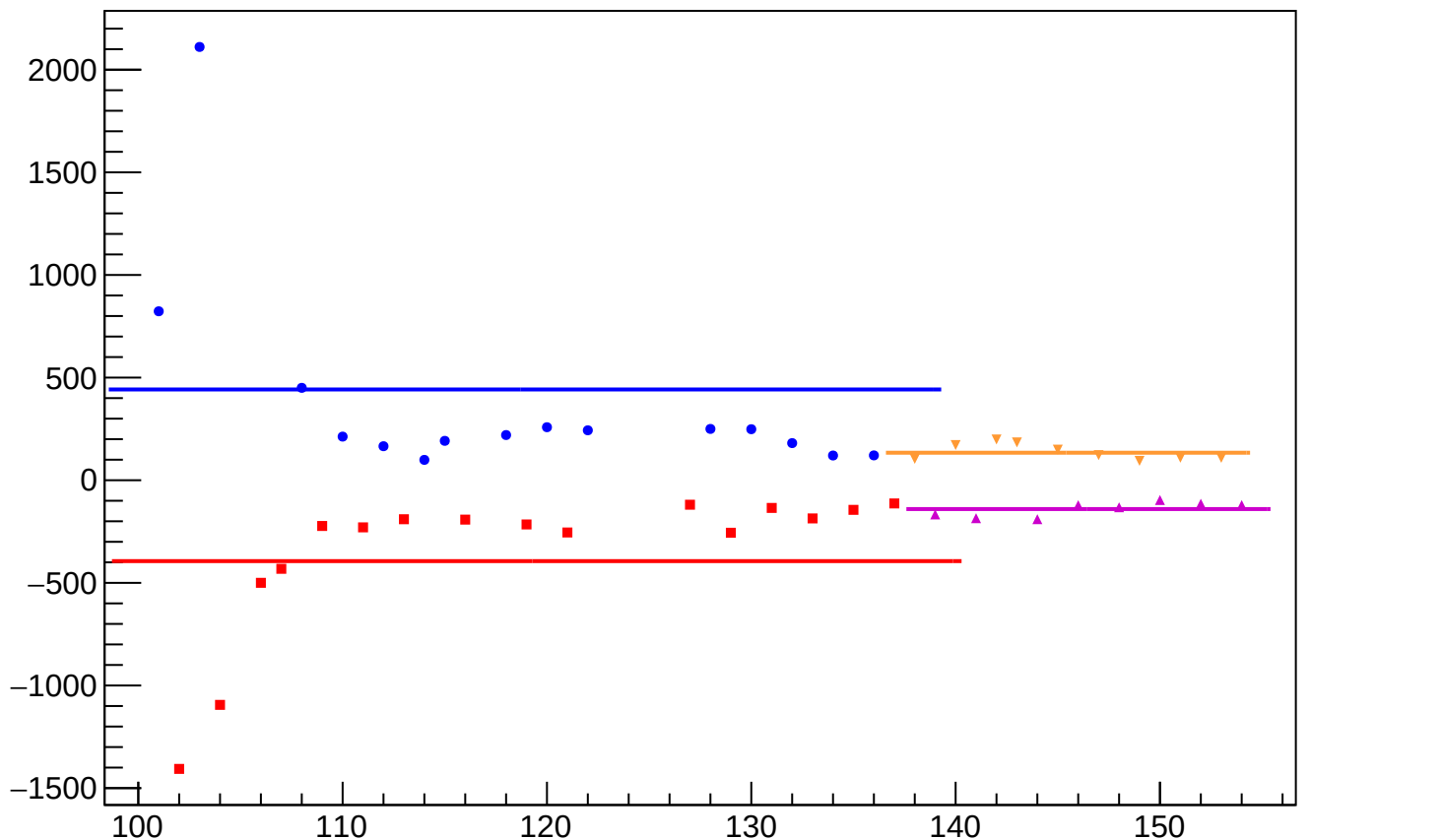
Right: -13.070+/-0.000 χ^2/NDF : 116395703795034

In: 101.009+/-0.000 χ^2/NDF : 7812573698346438

Out: -103.446+/-0.000 χ^2/NDF : 883623769776745

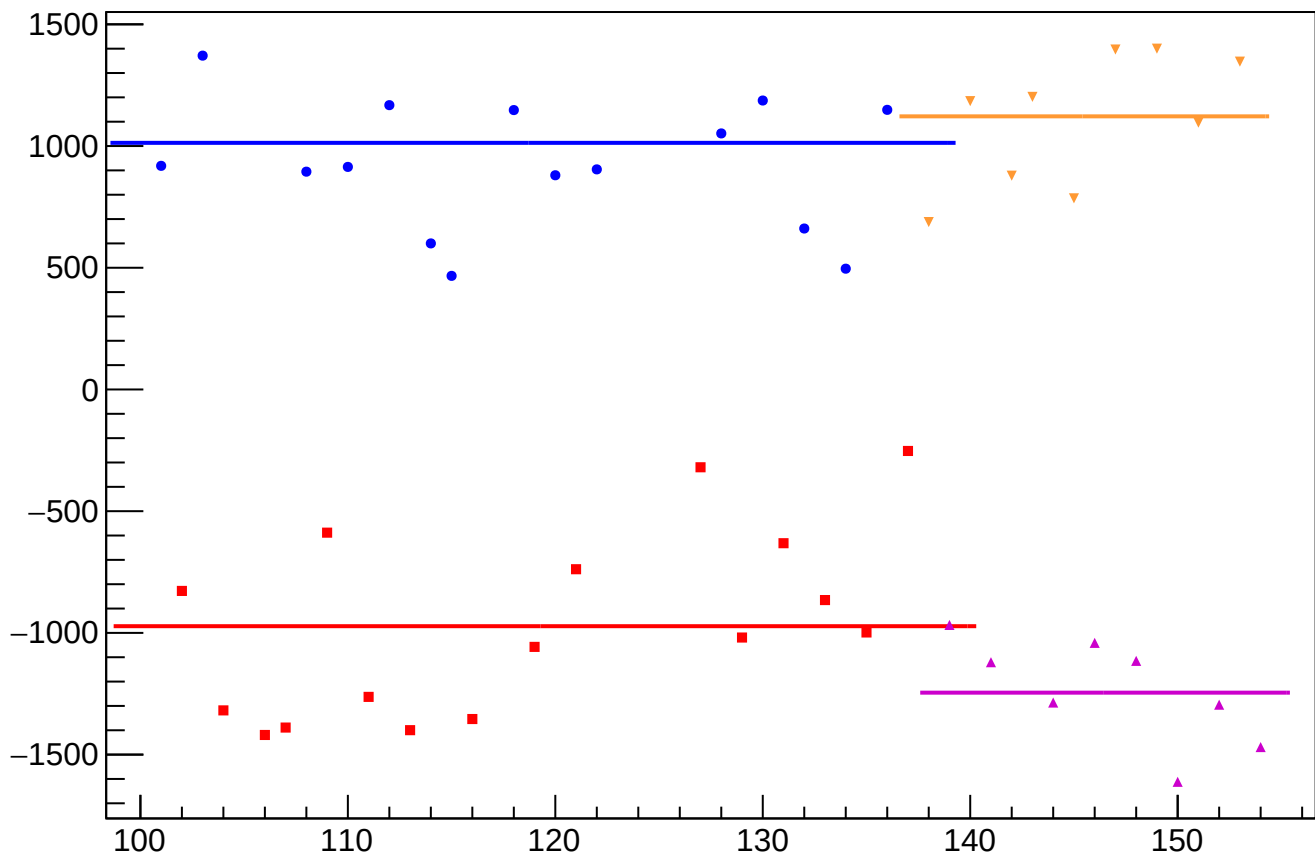
All: -1.485+/-0.000 χ^2/NDF : 1692919494875

dit_usr_coil6_err_mean vs Slug, Sign Corrected



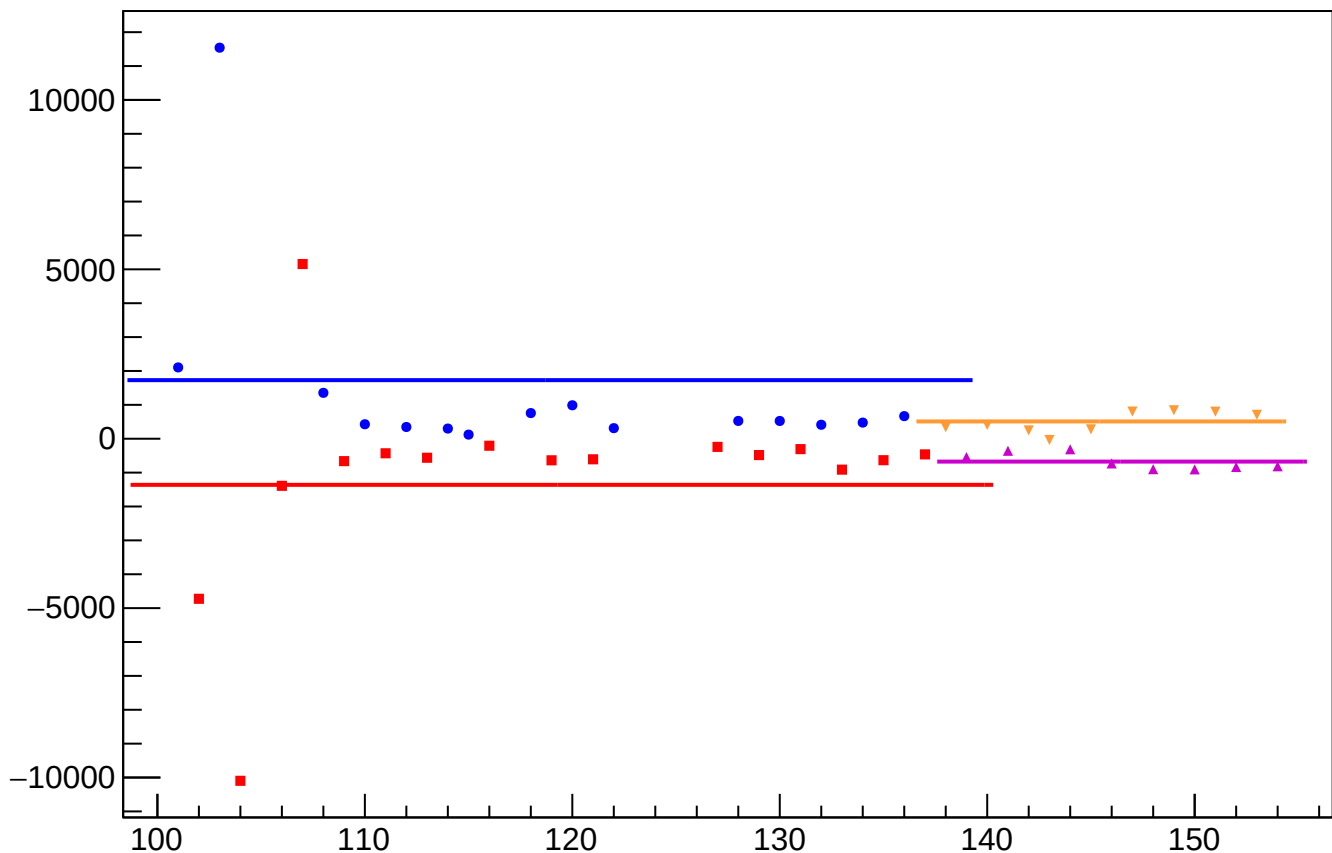
Right In: 442.162+/-0.000 χ^2/NDF : 204015999343694089140945697316947361792.0/14
 Left Out: 134.010+/-0.000 χ^2/NDF : 806156060780168496092301293866975232.0/8
 Right Out: -394.033+/-0.000 χ^2/NDF : 105882611624182009489804426207740035072.0/15
 Left In: -140.384+/-0.000 χ^2/NDF : 745628194572388631420426233030115328.0/7
 All: 6.812+/-0.000 χ^2/NDF : 56752483689860

dit_usr_coil6_Ndata_mean vs Slug, Sign Corrected



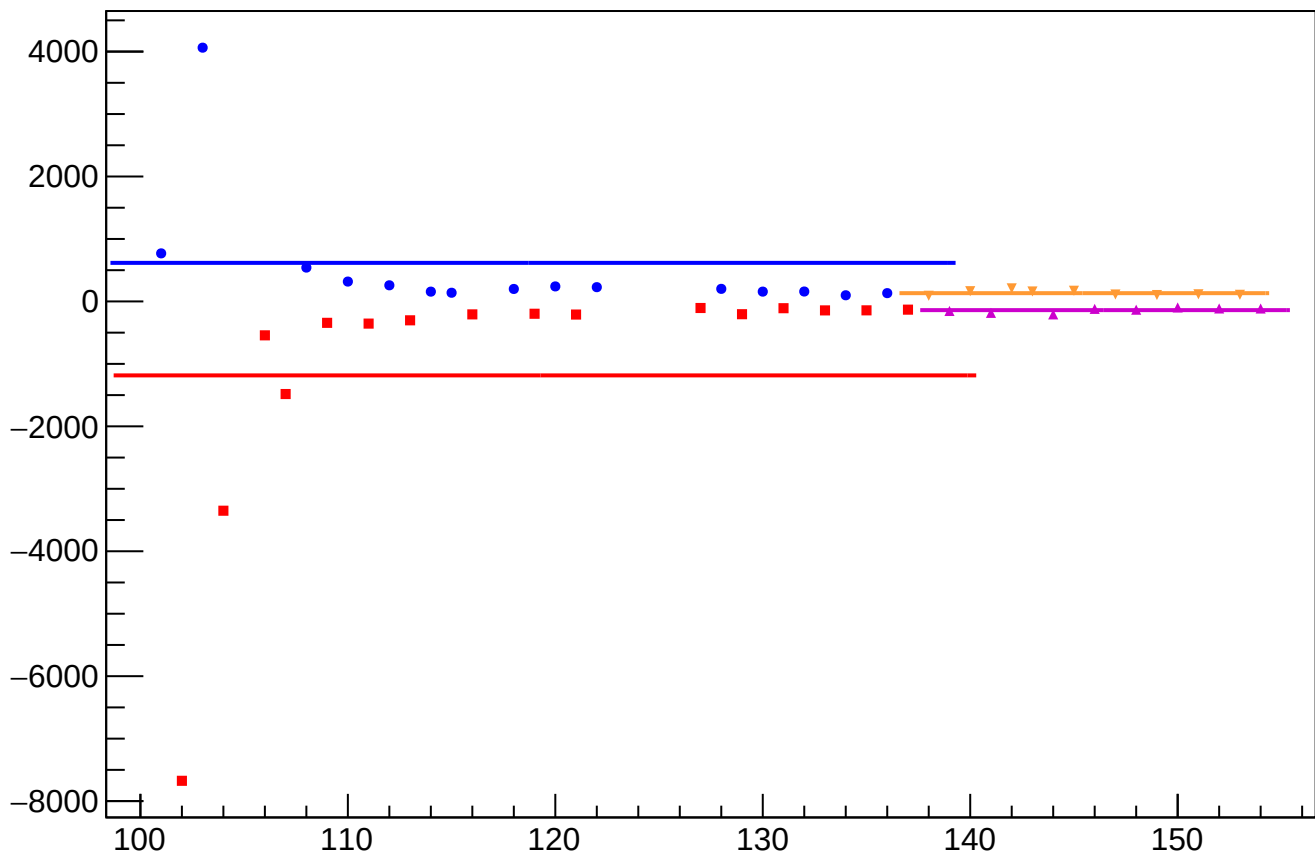
Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1121.971+/-0.000 χ^2/NDF : 44094101174250383817095145493775777792.0/8
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1245.509+/-0.000 χ^2/NDF : 29517629202305629895835280294763560960.0/7
 All: -33.009+/-0.000 χ^2/NDF : 340056389667

dit_atl1_coil6_mean vs Slug, Sign Corrected



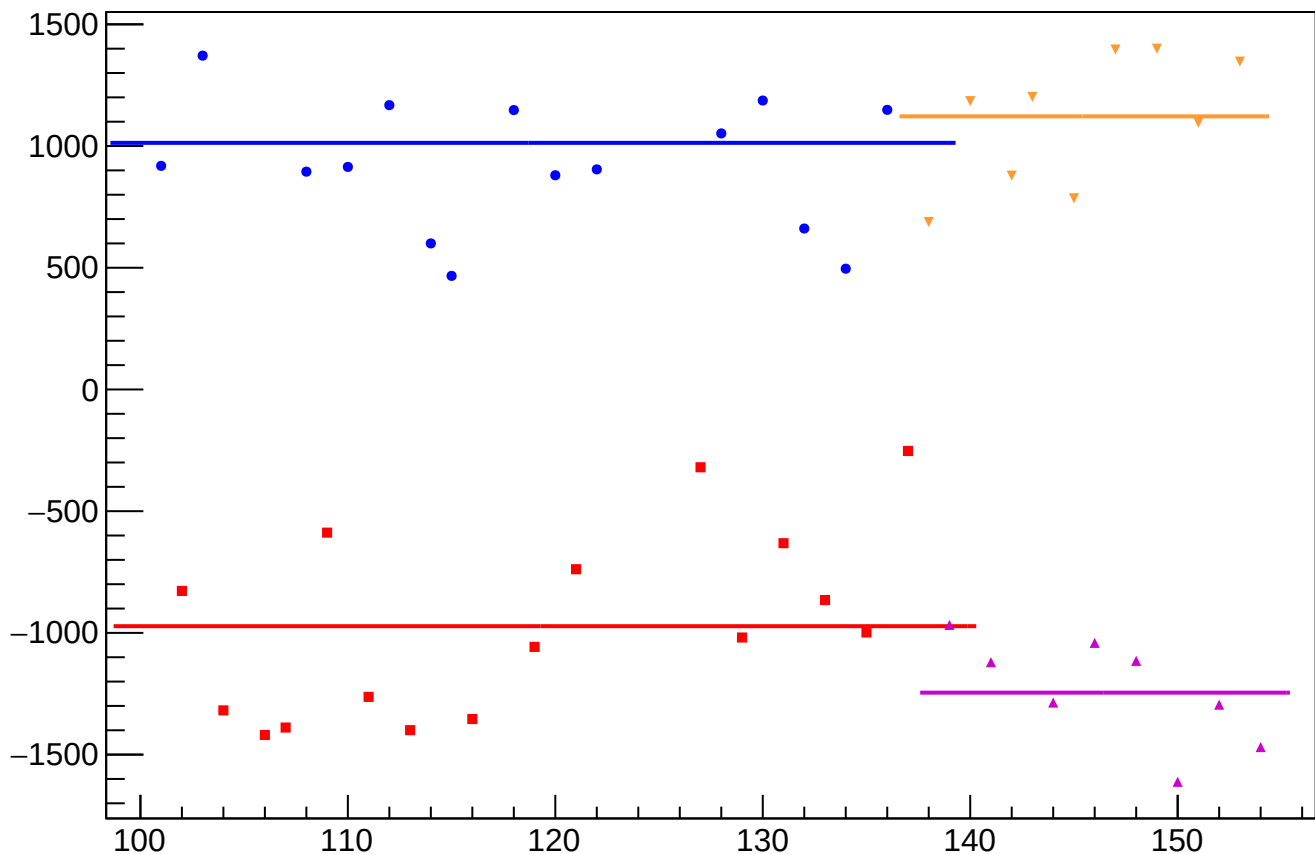
Right In: 1729.013+/-0.000 χ^2/NDF : 6413121297273347408075624116507964866560.0/14
 Left Out: 510.068+/-0.000 χ^2/NDF : 56279833761616768835925849194283139072.0/8
 Right Out: -1360.914+/-0.000 χ^2/NDF : 6431605933148863413038417850186506174464.0/15
 Left In: -674.808+/-0.000 χ^2/NDF : 35090373497712275082845969455335342080.0/7
 All: 35.514+/-0.000 χ^2/NDF : 1659837460552

dit_atl1_coil6_err_mean vs Slug, Sign Corrected



Right In: 617.343+/-0.000 χ^2/NDF : 792366012985954198345317750268755968000.0/14
 Left Out: 132.191+/-0.000 χ^2/NDF : 853590311261372421468273832085159936.0/8
 Right Out: -1184.322+/-0.000 χ^2/NDF : 3167423043121242666563535820496559931392.0/15
 Left In: -139.437+/-0.000 χ^2/NDF : 916295728366817808787622873127714816.0/7
 All: -147.497+/-0.000 χ^2/NDF : 51113211559

dit_atl1_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1121.971+/-0.000

Right Out: -972.465+/-0.000

Left In: -1245.509+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 44094101174250383817095145493775777792.0/8

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 29517629202305629895835280294763560960.0/7

Left: -71.295+/-0.000 χ^2/NDF : 1988983204970967

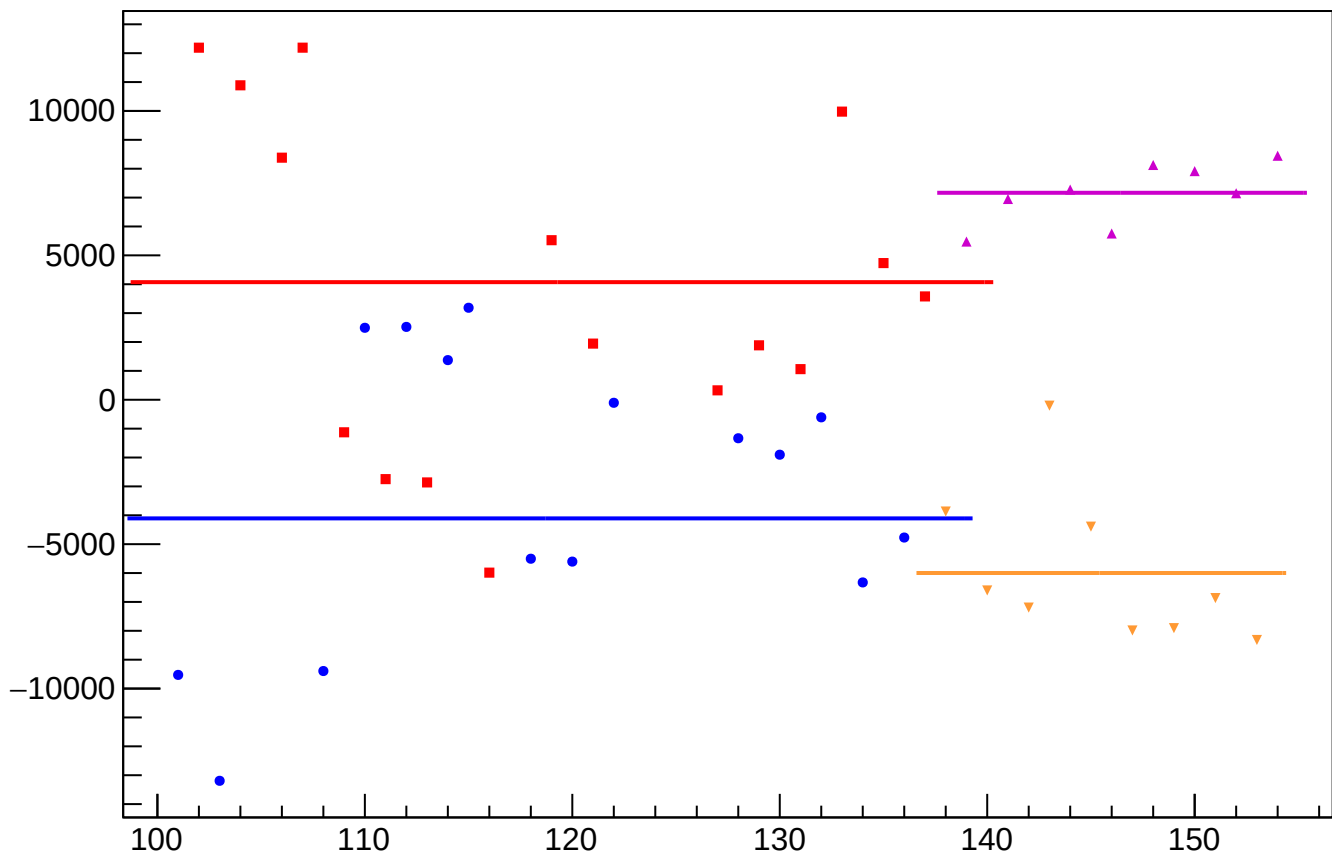
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -149.943+/-0.000 χ^2/NDF : 1766174254512265

Out: 83.317+/-0.000 χ^2/NDF : 15978940204823691

All: -33.009+/-0.000 χ^2/NDF : 340056389667

dit_atl2_coil6_mean vs Slug, Sign Corrected



Right In: -4107.443 +/- 0.000

Left Out: -5998.250 +/- 0.000

Right Out: 4072.120 +/- 0.000

Left In: 7166.288 +/- 0.000

χ^2/NDF : 14527436324982031454277780831211819630592.0/14

χ^2/NDF : 4037531108109599961297407311843076079616.0/8

χ^2/NDF : 20367171423690168095778854678764929941504.0/15

χ^2/NDF : 676590939528890168031738138575570468864.0/7

Left: 636.985 +/- 0.000 χ^2/NDF : 6393729009113974

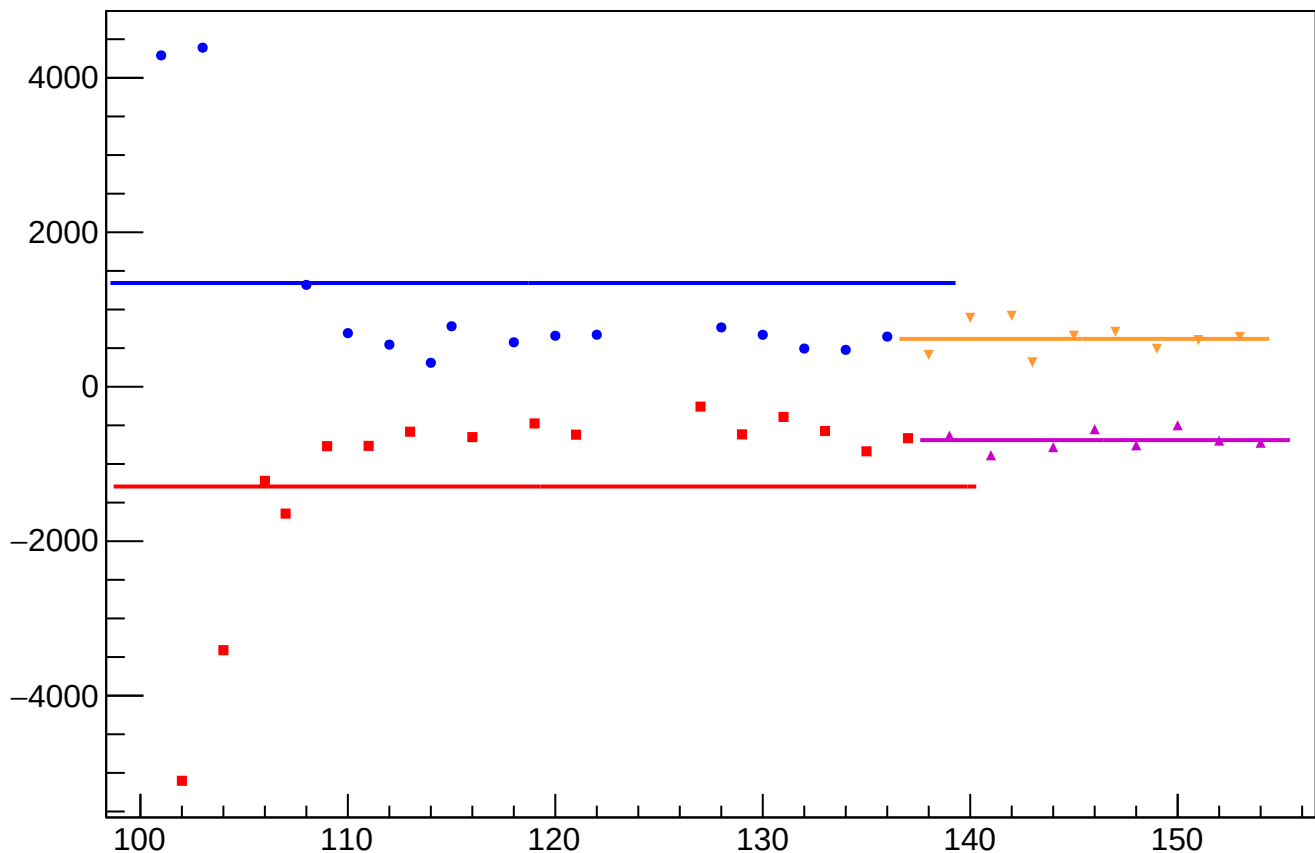
Right: 38.278 +/- 0.000 χ^2/NDF : 5690231407009786

In: 1697.938 +/- 0.000 χ^2/NDF : 5767997734712778

Out: -1004.245 +/- 0.000 χ^2/NDF : 58502323412095

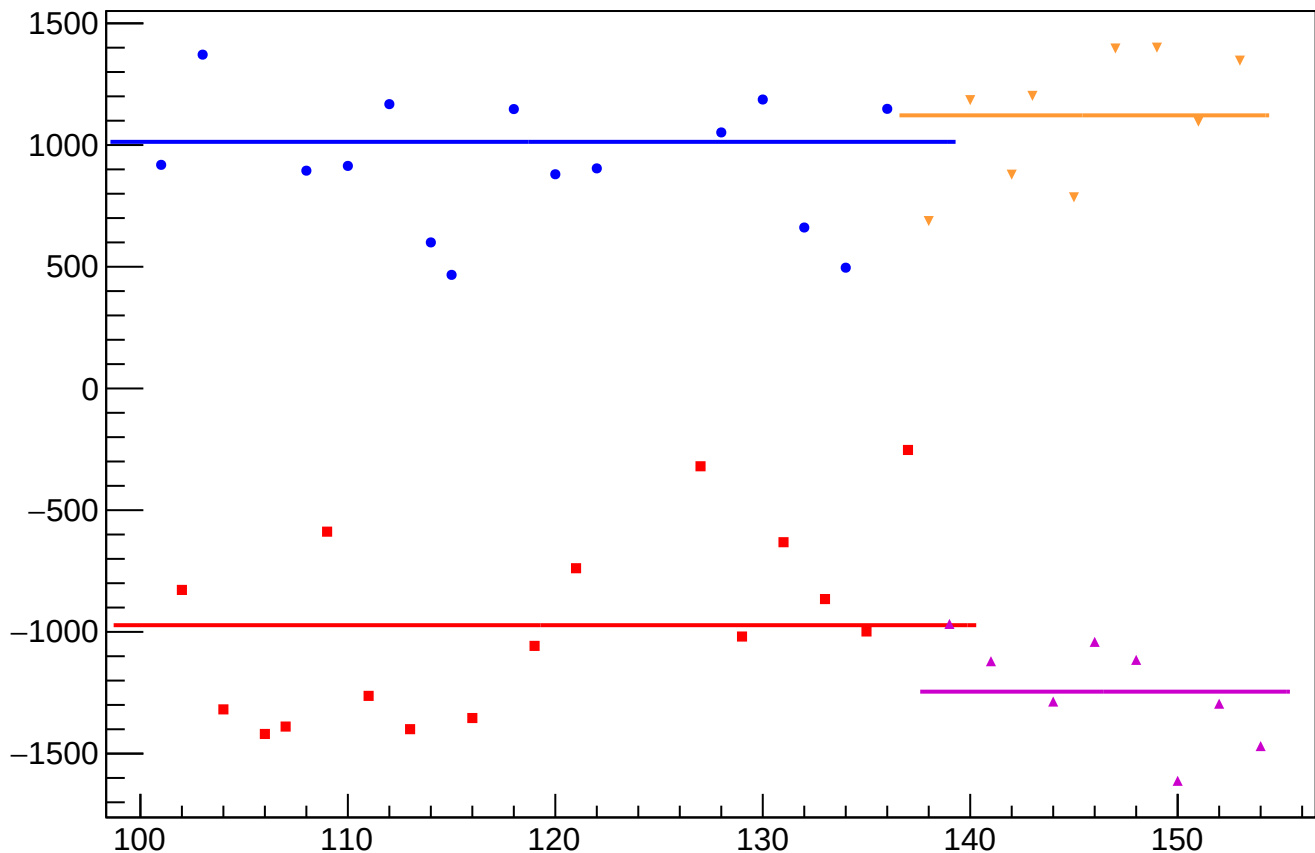
All: 343.322 +/- 0.000 χ^2/NDF : 121079948015

dit_atl2_coil6_err_mean vs Slug, Sign Corrected



Right In: 1343.321+/-0.000 χ^2/NDF : 1317478352429773686550511077330771771392.0/14
 Left Out: 620.014+/-0.000 χ^2/NDF : 21996187058225849829762193588549058560.0/8
 Right Out: -1291.796+/-0.000 χ^2/NDF : 1323568917008872977905960011586991030272.0/15
 Left In: -691.025+/-0.000 χ^2/NDF : 9793393283780630515786953608210153472.0/7
 All: -16.981+/-0.000 χ^2/NDF : 554588187239

dit_atl2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1121.971+/-0.000

Right Out: -972.465+/-0.000

Left In: -1245.509+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 44094101174250383817095145493775777792.0/8

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 29517629202305629895835280294763560960.0/7

Left: -71.295+/-0.000 χ^2/NDF : 1988983204970967

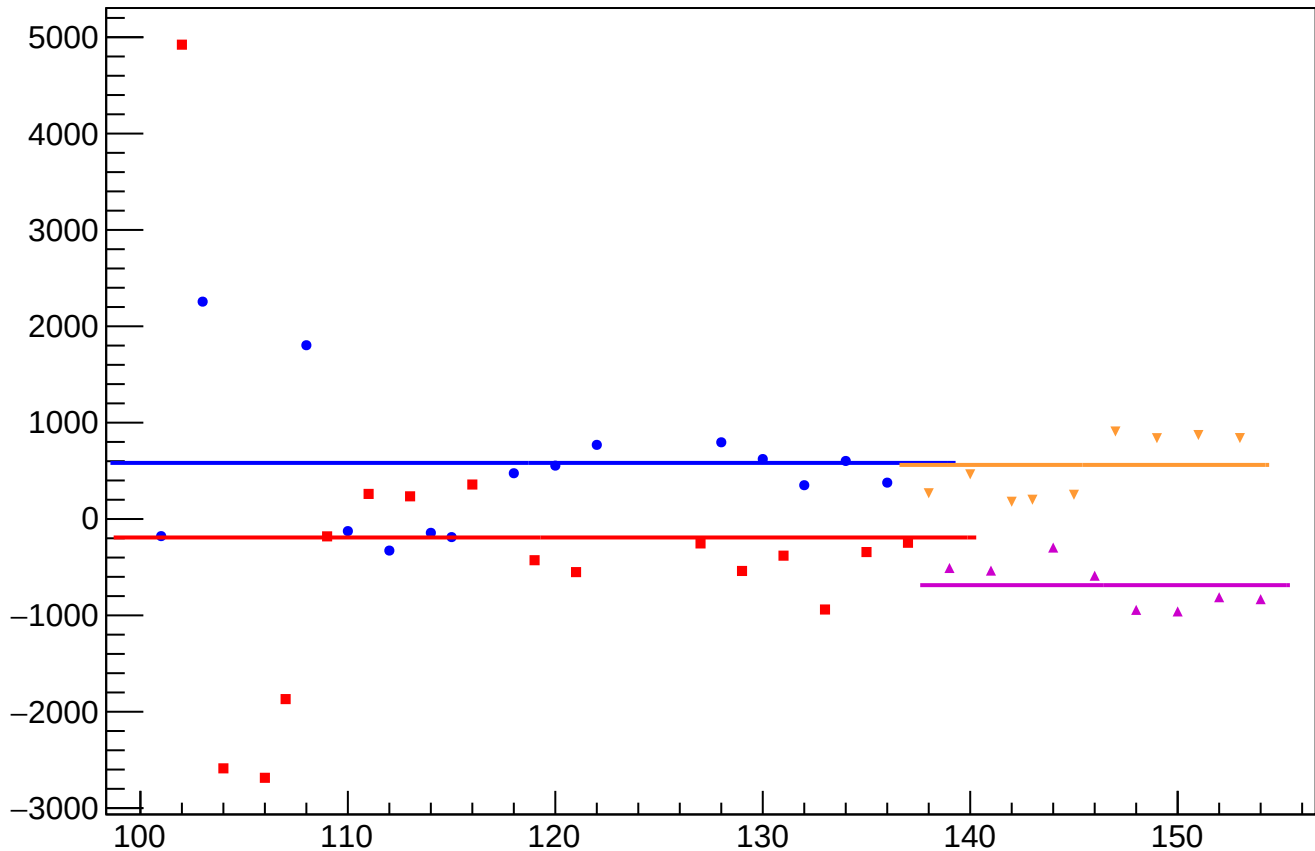
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -149.943+/-0.000 χ^2/NDF : 1766174254512265

Out: 83.317+/-0.000 χ^2/NDF : 15978940204823691

All: -33.009+/-0.000 χ^2/NDF : 340056389667

dit_atr1_coil6_mean vs Slug, Sign Corrected



Right In: 582.390+/-0.000

χ^2/NDF : 338796567623032040072791996460490031104.0/14

Left Out: 561.527+/-0.000

χ^2/NDF : 60614039454557733058765293383864811520.0/8

Right Out: -191.587+/-0.000

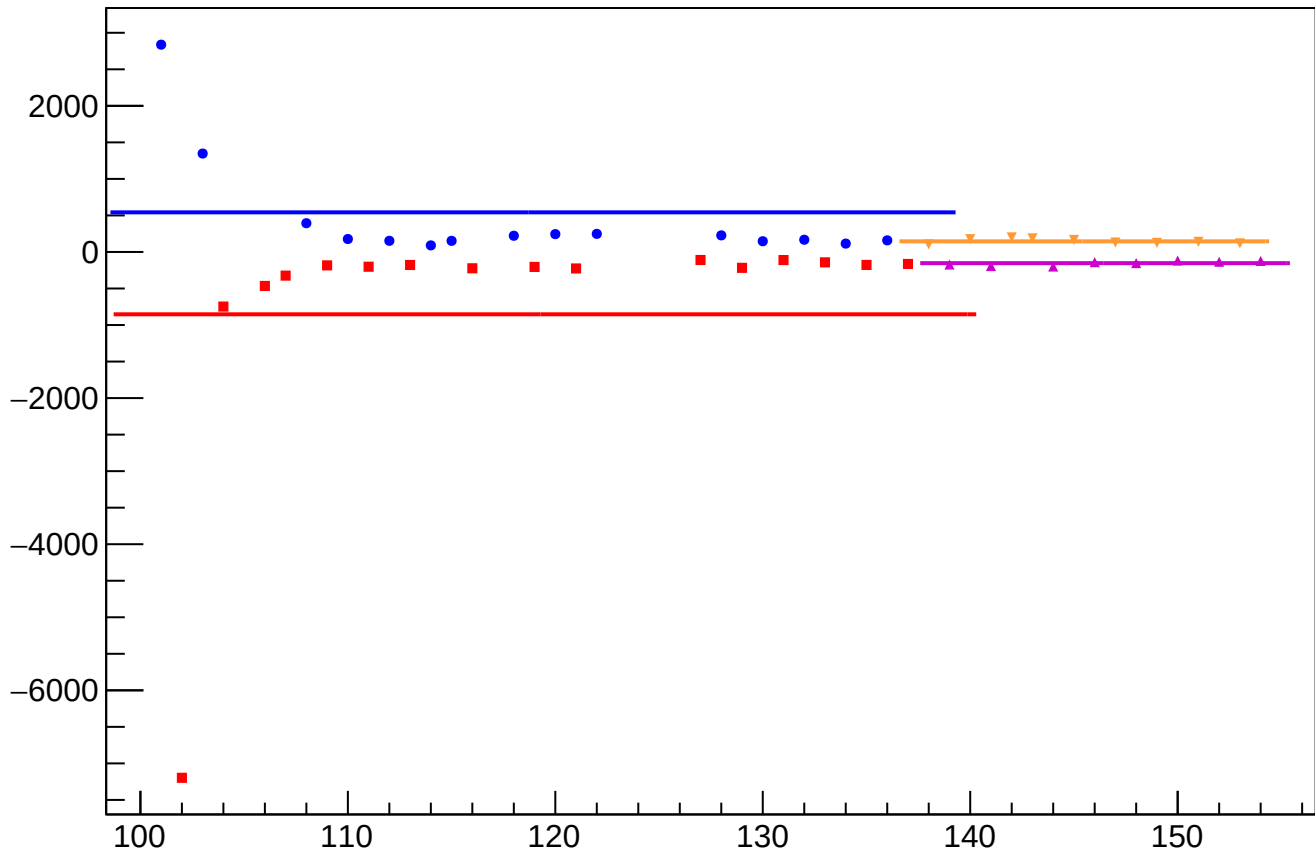
χ^2/NDF : 2168762120552346223416743005020716269568.0/15

Left In: -686.378+/-0.000

χ^2/NDF : 34391962246584493648354645181368107008.0/7

All: 58.883+/-0.000 χ^2/NDF : 3376251335503

dit_atr1_coil6_err_mean vs Slug, Sign Corrected



Right In: 542.328+/-0.000

χ^2/NDF : 414378812003795549649034048462817067008.0/14

Left Out: 145.426+/-0.000

χ^2/NDF : 615303331238034804844845541961498624.0/8

Right Out: -853.203+/-0.000

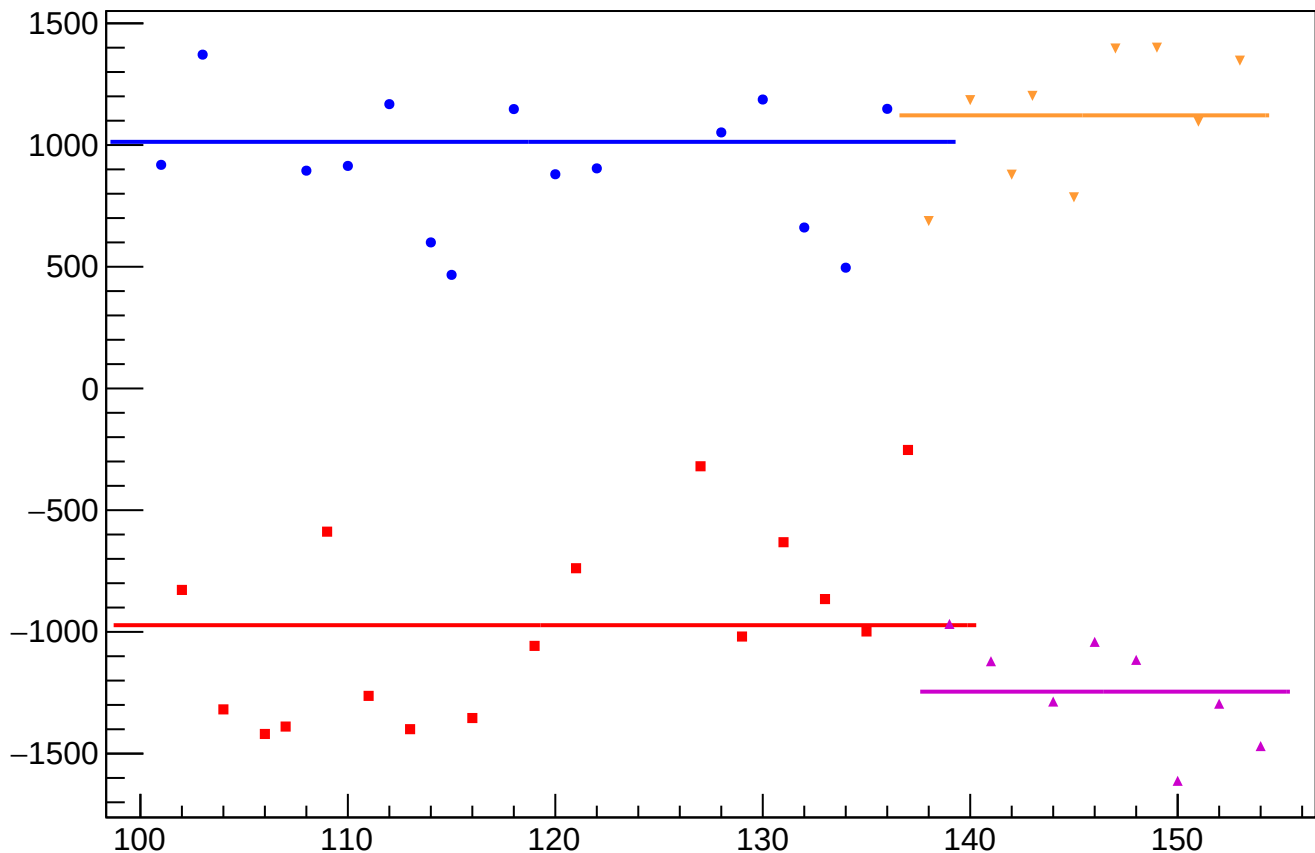
χ^2/NDF : 2574076381441046787772449137133917044736.0/15

Left In: -153.102+/-0.000

χ^2/NDF : 600802288422667267086945584817373184.0/7

All: -83.490+/-0.000 χ^2/NDF : 367788807415

dit_atr1_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1121.971+/-0.000

Right Out: -972.465+/-0.000

Left In: -1245.509+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 44094101174250383817095145493775777792.0/8

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 29517629202305629895835280294763560960.0/7

Left: -71.295+/-0.000 χ^2/NDF : 1988983204970967

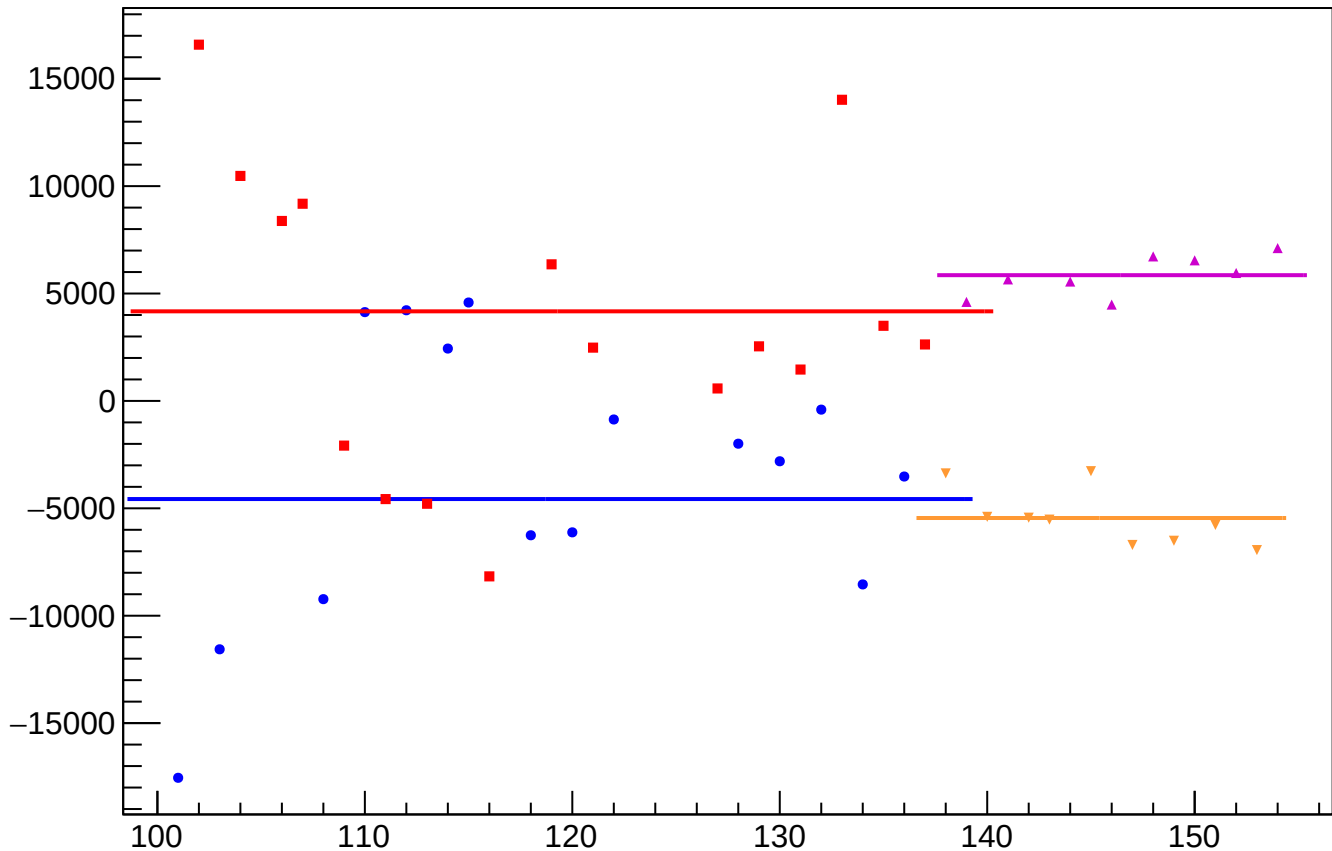
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -149.943+/-0.000 χ^2/NDF : 1766174254512265

Out: 83.317+/-0.000 χ^2/NDF : 15978940204823691

All: -33.009+/-0.000 χ^2/NDF : 340056389667

dit_atr2_coil6_mean vs Slug, Sign Corrected



Right In: -4568.297 +/- 0.000

Left Out: -5451.181 +/- 0.000

Right Out: 4170.773 +/- 0.000

Left In: 5854.331 +/- 0.000

χ^2/NDF : 24195052148165719540713110921977756909568.0/14

χ^2/NDF : 1136955154036747067434885012813621755904.0/8

χ^2/NDF : 30967248832187912041113909559481103024128.0/15

χ^2/NDF : 541977207880074856484648943055624208384.0/7

Left: 247.062 +/- 0.000 χ^2/NDF : 4535673879436372

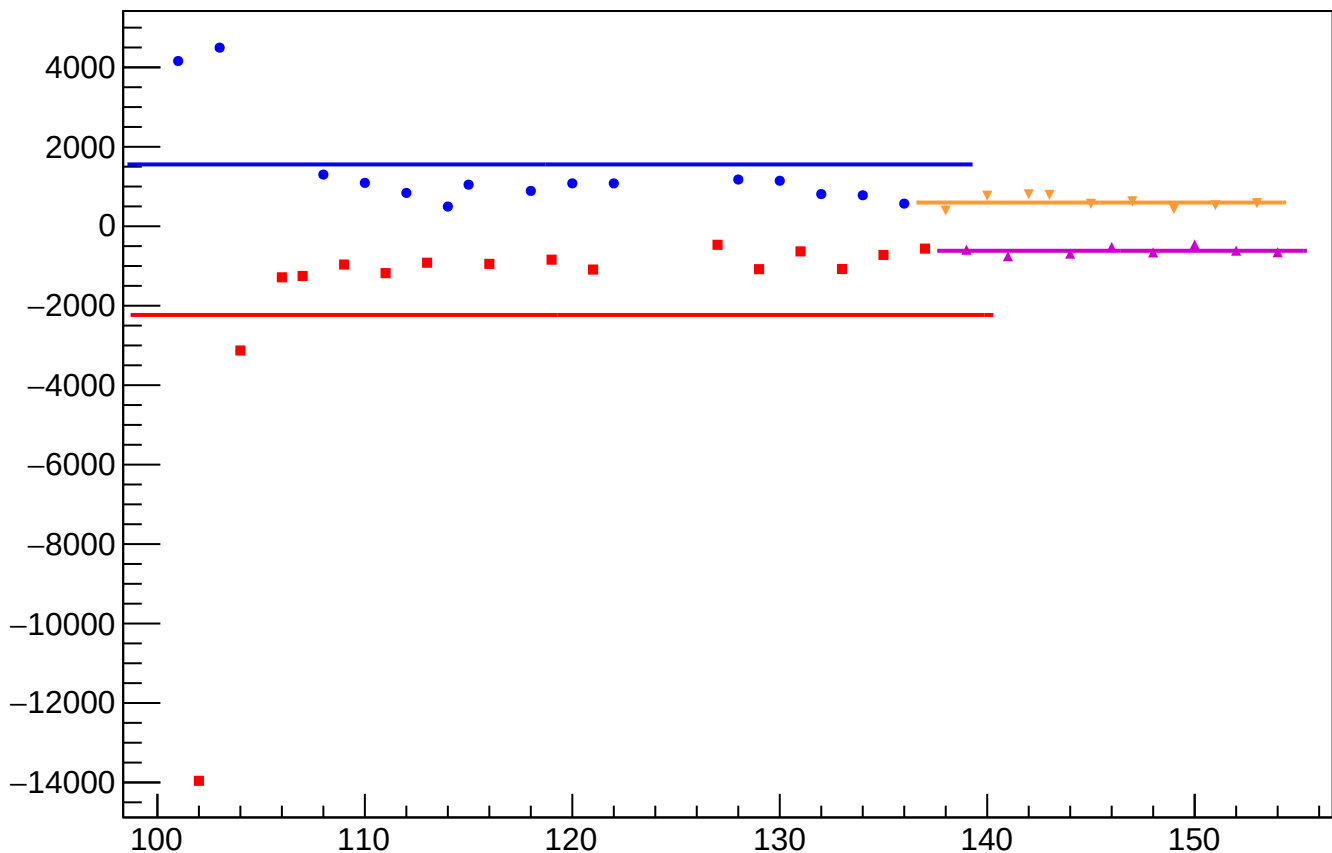
Right: -138.996 +/- 0.000 χ^2/NDF : 80283768430562

In: 798.811 +/- 0.000 χ^2/NDF : 6104167812960964

Out: -679.550 +/- 0.000 χ^2/NDF : 632328128231213

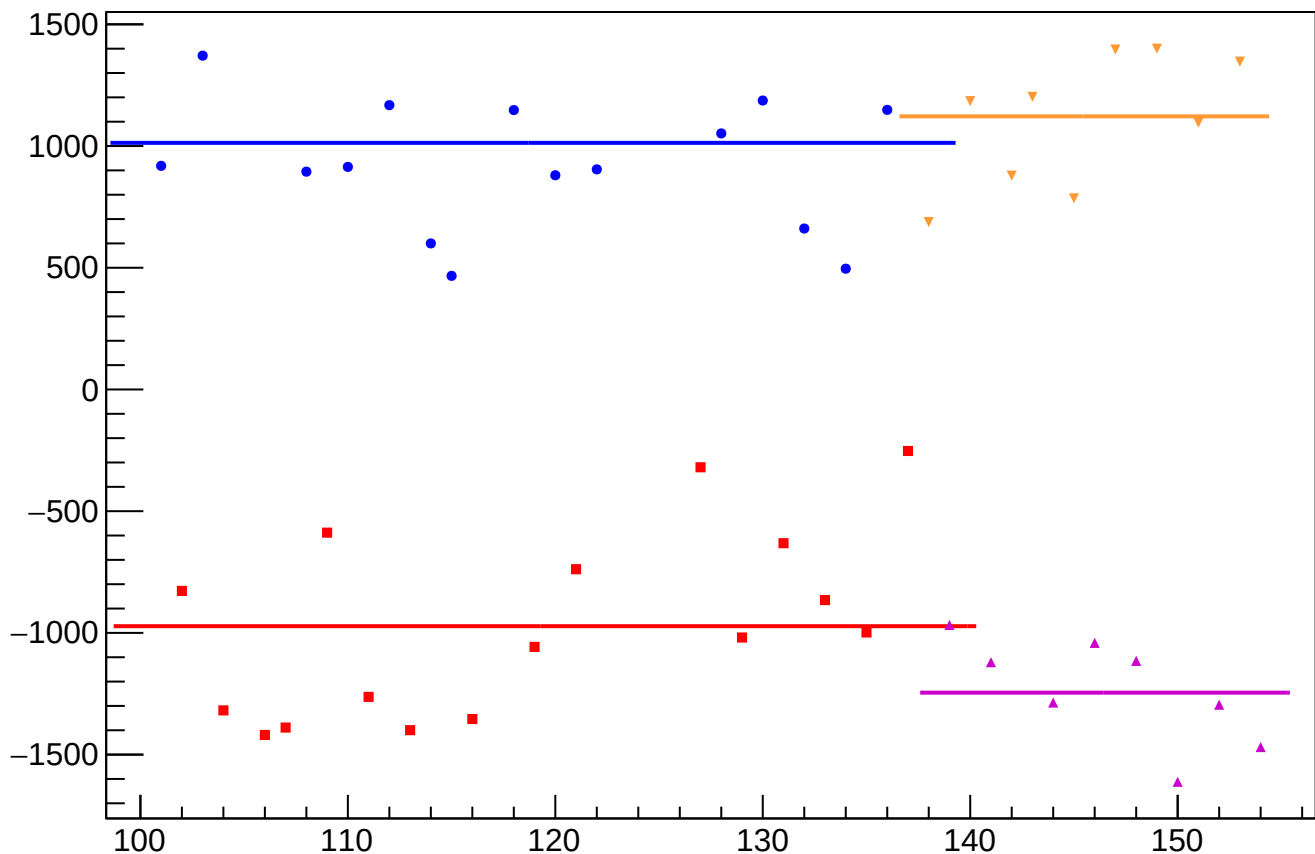
All: 57.702 +/- 0.000 χ^2/NDF : 1257404403335

dit_atr2_coil6_err_mean vs Slug, Sign Corrected



Right In: 1556.763+/-0.000 χ^2/NDF : 1139364239218600567191855131756930793472.0/14
 Left Out: 597.142+/-0.000 χ^2/NDF : 12970813457490549939338065264024485888.0/8
 Right Out: -2232.520+/-0.000 χ^2/NDF : 8990395725533930134878595569706942332928.0/15
 Left In: -616.997+/-0.000 χ^2/NDF : 5443283687703597806534798454334423040.0/7
 All: -185.986+/-0.000 χ^2/NDF : 15456703397

dit_atr2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1121.971+/-0.000

Right Out: -972.465+/-0.000

Left In: -1245.509+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 44094101174250383817095145493775777792.0/8

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 29517629202305629895835280294763560960.0/7

Left: -71.295+/-0.000 χ^2/NDF : 1988983204970967

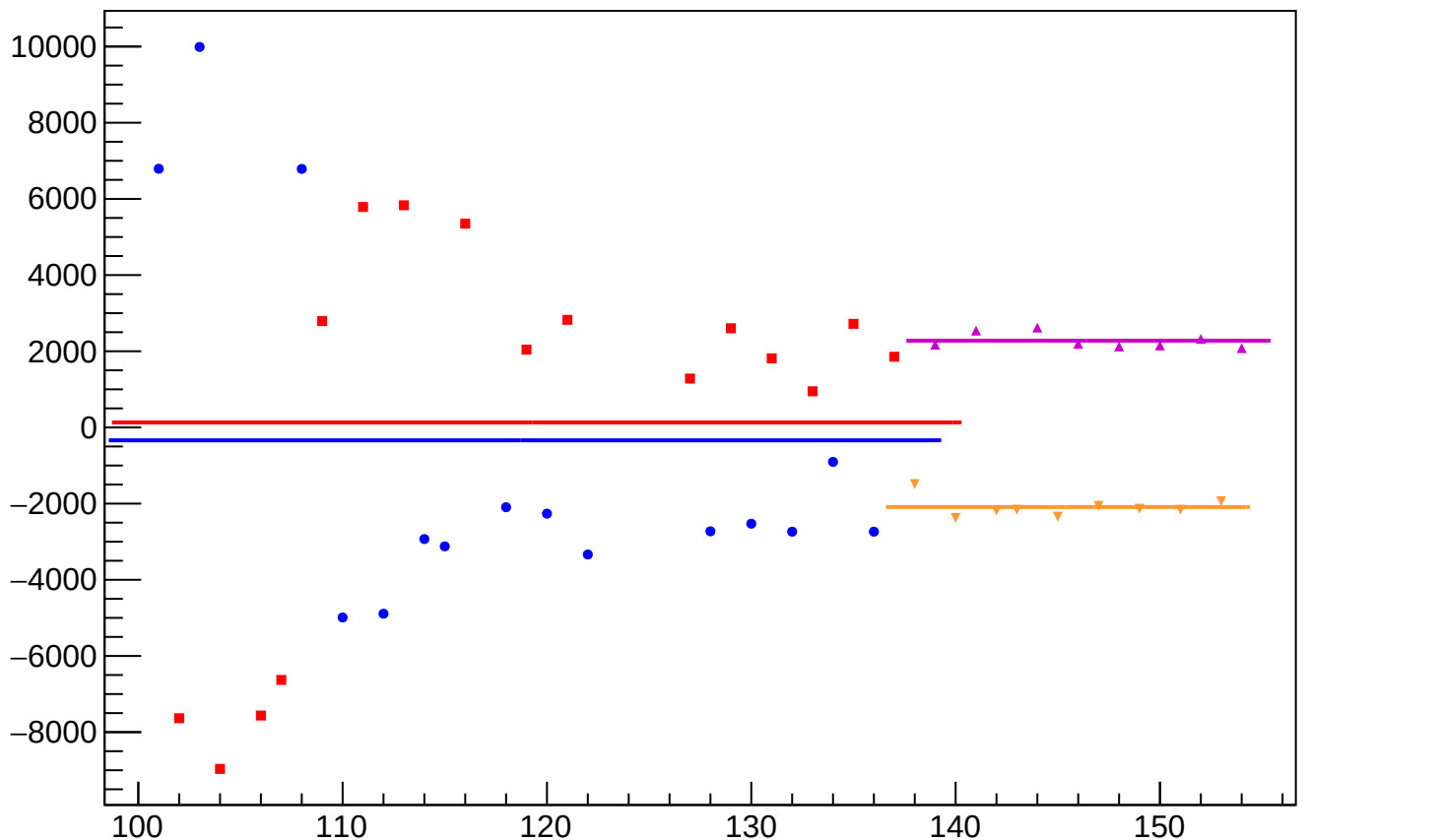
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -149.943+/-0.000 χ^2/NDF : 1766174254512265

Out: 83.317+/-0.000 χ^2/NDF : 15978940204823691

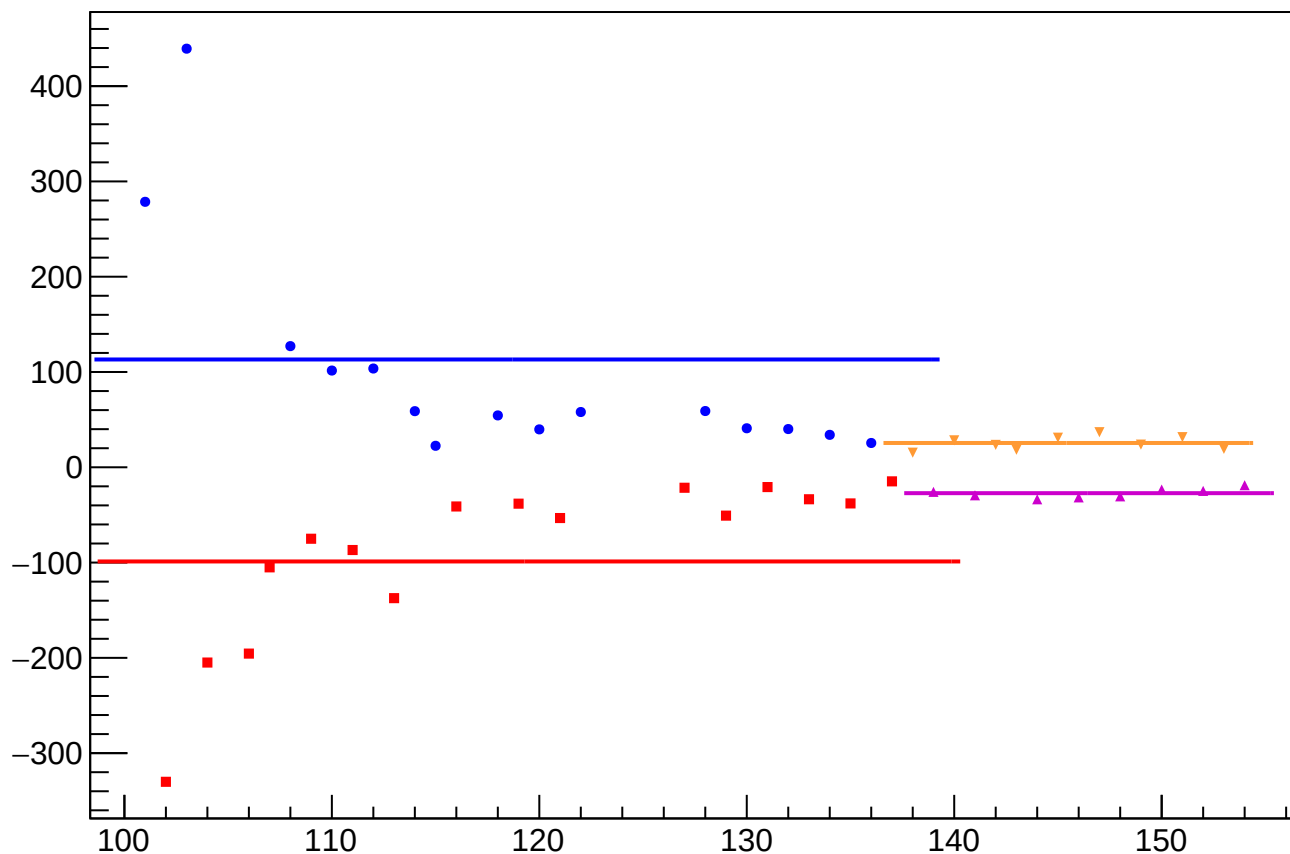
All: -33.009+/-0.000 χ^2/NDF : 340056389667

dit_sam1_coil6_mean vs Slug, Sign Corrected



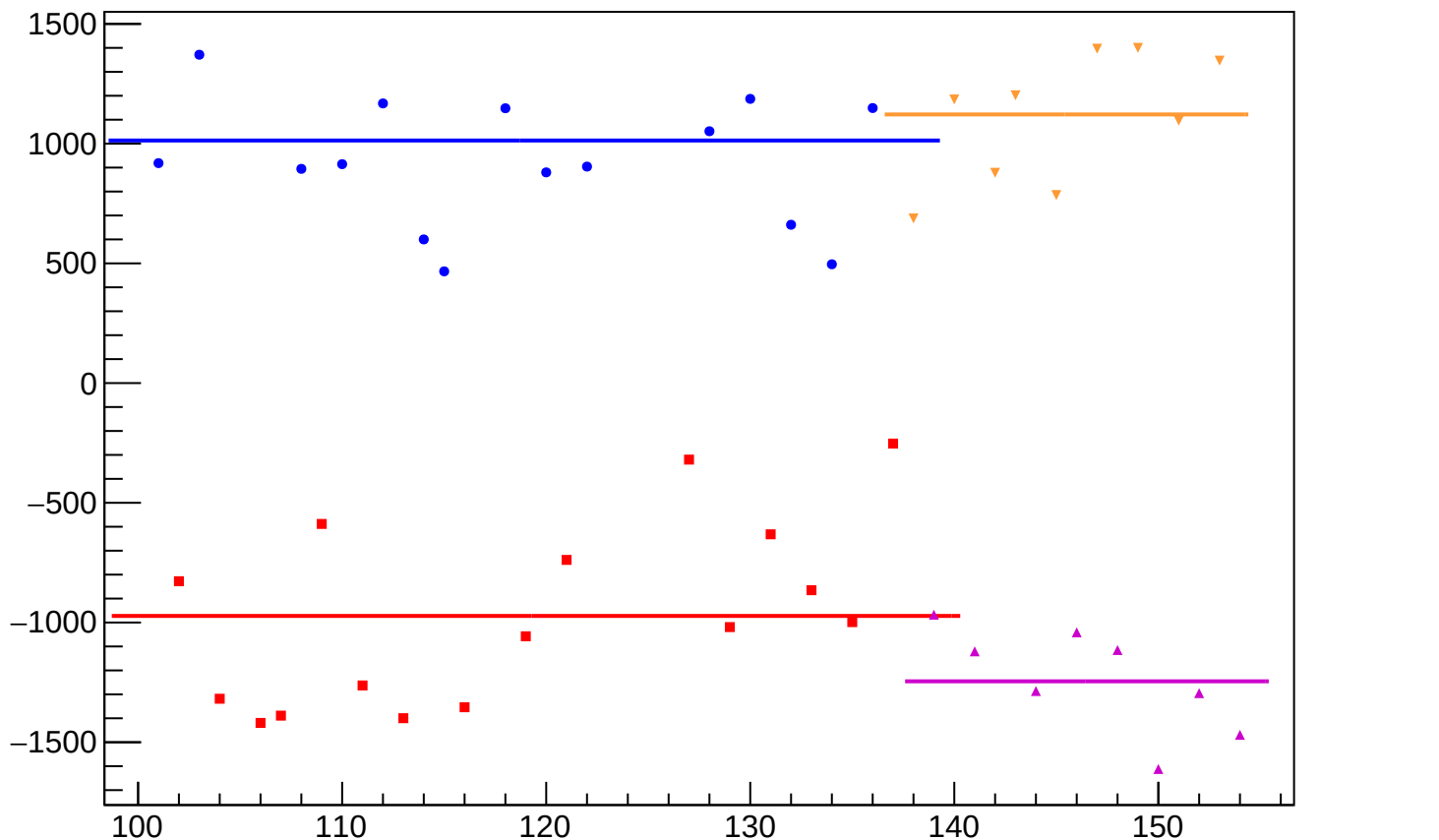
Right In: -337.865+/-0.000 χ^2/NDF : 15152515933007079891661097940762081886208.0/14
 Left Out: -2089.685+/-0.000 χ^2/NDF : 43571843800682687432292296449304035328.0/8
 Right Out: 131.545+/-0.000 χ^2/NDF : 16473217651078877976377424419956902068224.0/15
 Left In: 2278.875+/-0.000 χ^2/NDF : 24842280269621776240310619451856781312.0/7
 All: 8.127+/-0.000 χ^2/NDF : 38318438792086

dit_sam1_coil6_err_mean vs Slug, Sign Corrected



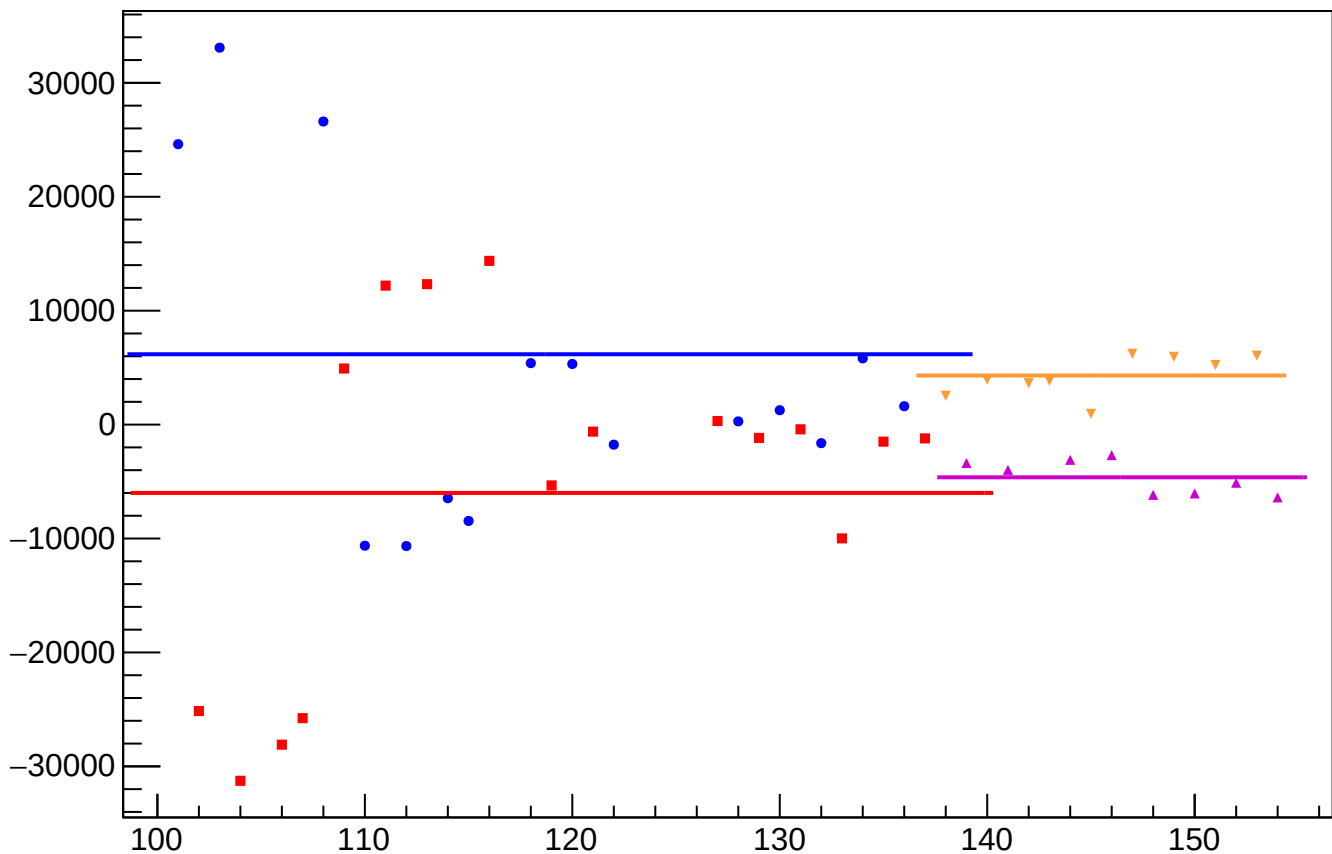
Right In: 113.134 $\pm$ 0.000 χ^2 /NDF: 9989638354332004017458192433874468864.0/14
 Left Out: 25.507 $\pm$ 0.000 χ^2 /NDF: 31143845525053928692501411675504640.0/8
 Right Out: -98.833 $\pm$ 0.000 χ^2 /NDF: 5510365308590426333953610701260980224.0/15
 Left In: -27.163 $\pm$ 0.000 χ^2 /NDF: 14821852324625217570760211654770688.0/7
 All: 2.266 $\pm$ 0.000 χ^2 /NDF: 31303618832028

dit_sam1_coil6_Ndata_mean vs Slug, Sign Corrected



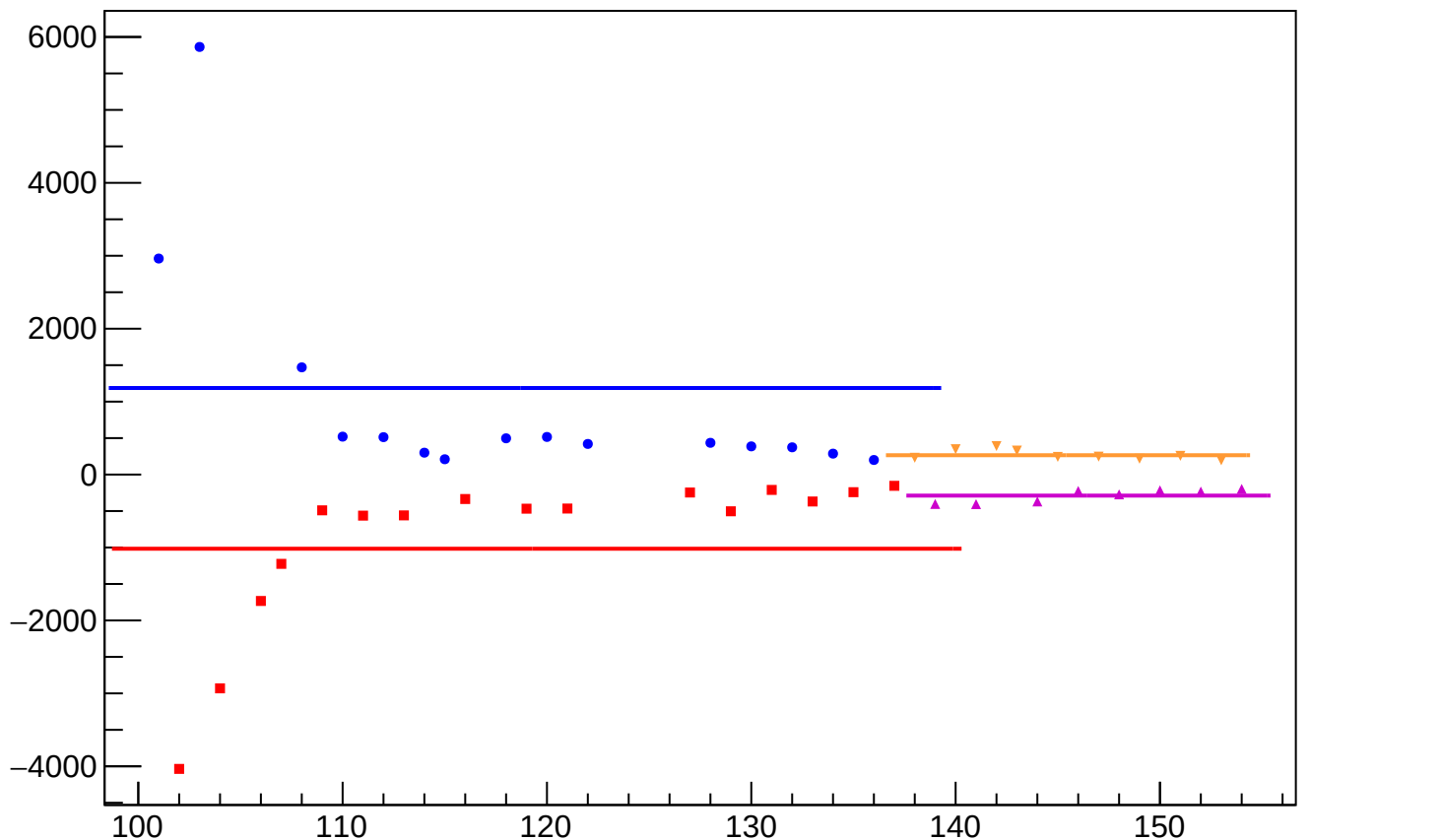
Right In: 1013.146 +/- 0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1121.971 +/- 0.000 χ^2/NDF : 44094101174250383817095145493775777792.0/8
 Right Out: -972.465 +/- 0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1245.509 +/- 0.000 χ^2/NDF : 29517629202305629895835280294763560960.0/7
 All: -33.009 +/- 0.000 χ^2/NDF : 340056389667

dit_sam2_coil6_mean vs Slug, Sign Corrected



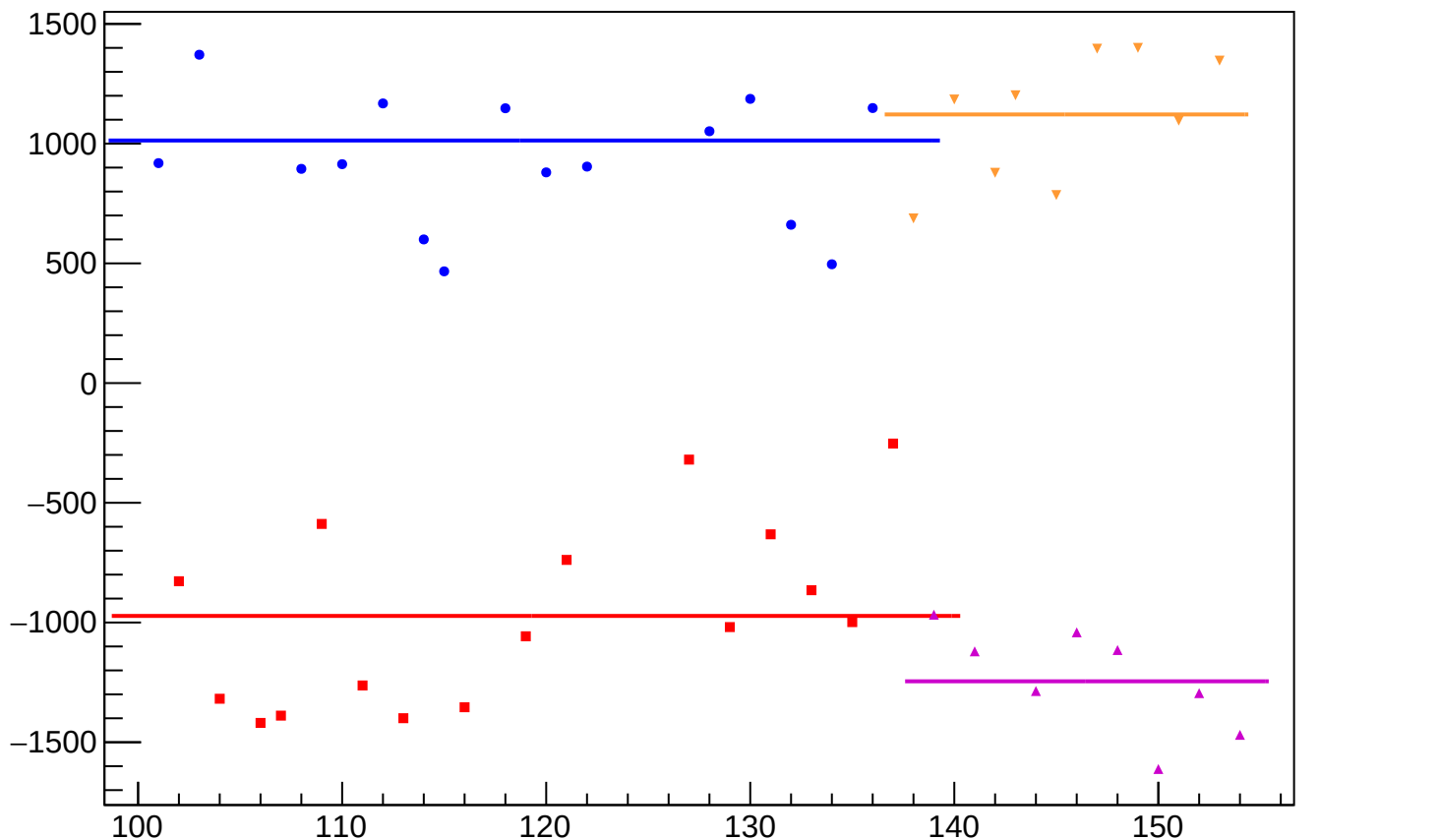
Left: -193.000+/-0.000 χ^2/NDF : 307111208925346
 Right In: 6175.493+/-0.000 χ^2/NDF : 117260877162921223967478349050708452442112.0/14
 Right: 6.138+/-0.000 χ^2/NDF : 30305507427747676
 Left Out: 4312.036+/-0.000 χ^2/NDF : 2044916118876124351752663872969061171200.0/8
 In: 613.231+/-0.000 χ^2/NDF : 15761907388257965
 Right Out: -5996.727+/-0.000 χ^2/NDF : 137057710785025136543407710107916356812800.0/15
 Out: -800.191+/-0.000 χ^2/NDF : 174833721688930
 Left In: -4626.113+/-0.000 χ^2/NDF : 1365394899138328792996720334330885308416.0/7
 All: -95.324+/-0.000 χ^2/NDF : 333792784964

dit_sam2_coil6_err_mean vs Slug, Sign Corrected



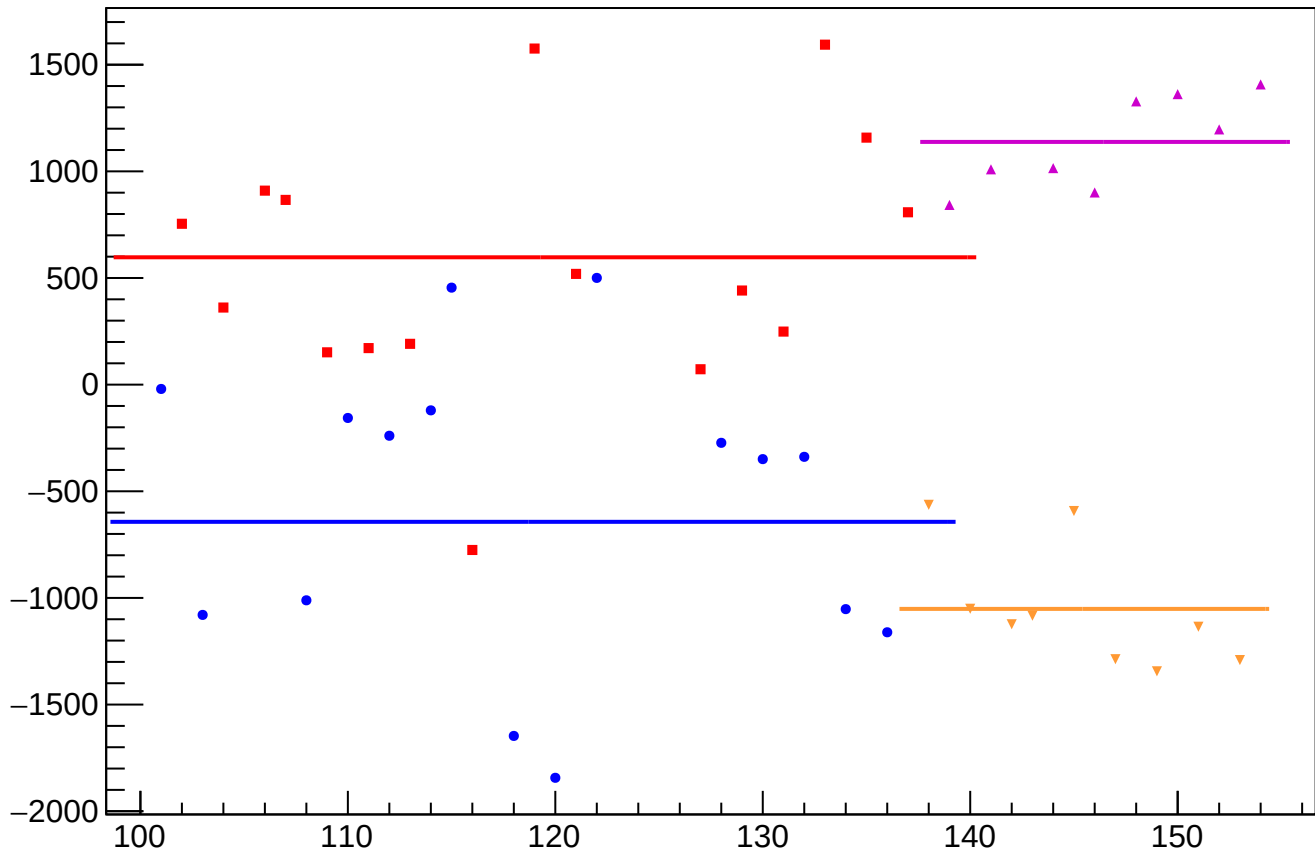
Left: -13.736+/-0.000 χ^2/NDF : 1117112176160532
 Right In: 1186.846+/-0.000 χ^2/NDF : 1796463312802023303623210264680353234944.0/14
 Right: 69.987+/-0.000 χ^2/NDF : 4321353447769683
 Left Out: 265.325+/-0.000 χ^2/NDF : 2332548230649246155064474705254678528.0/8
 In: 427.202+/-0.000 χ^2/NDF : 25283670243318965
 Right Out: -1016.732+/-0.000 χ^2/NDF : 927646003466094249558391691024825057280.0/15
 Out: -370.461+/-0.000 χ^2/NDF : 148262548471150
 Left In: -288.341+/-0.000 χ^2/NDF : 4623270574753261309958994311157645312.0/7
 All: 27.330+/-0.000 χ^2/NDF : 4437764574793

dit_sam2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1121.971+/-0.000 χ^2/NDF : 44094101174250383817095145493775777792.0/8
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1245.509+/-0.000 χ^2/NDF : 29517629202305629895835280294763560960.0/7
 All: -33.009+/-0.000 χ^2/NDF : 340056389667

dit_sam3_coil6_mean vs Slug, Sign Corrected



Right In: -643.217+/-0.000

χ^2/NDF : 272726964608206694027285159784925364224.0/14

Left Out: -1051.421+/-0.000

χ^2/NDF : 52906610164771603738033844630253993984.0/8

Right Out: 597.043+/-0.000

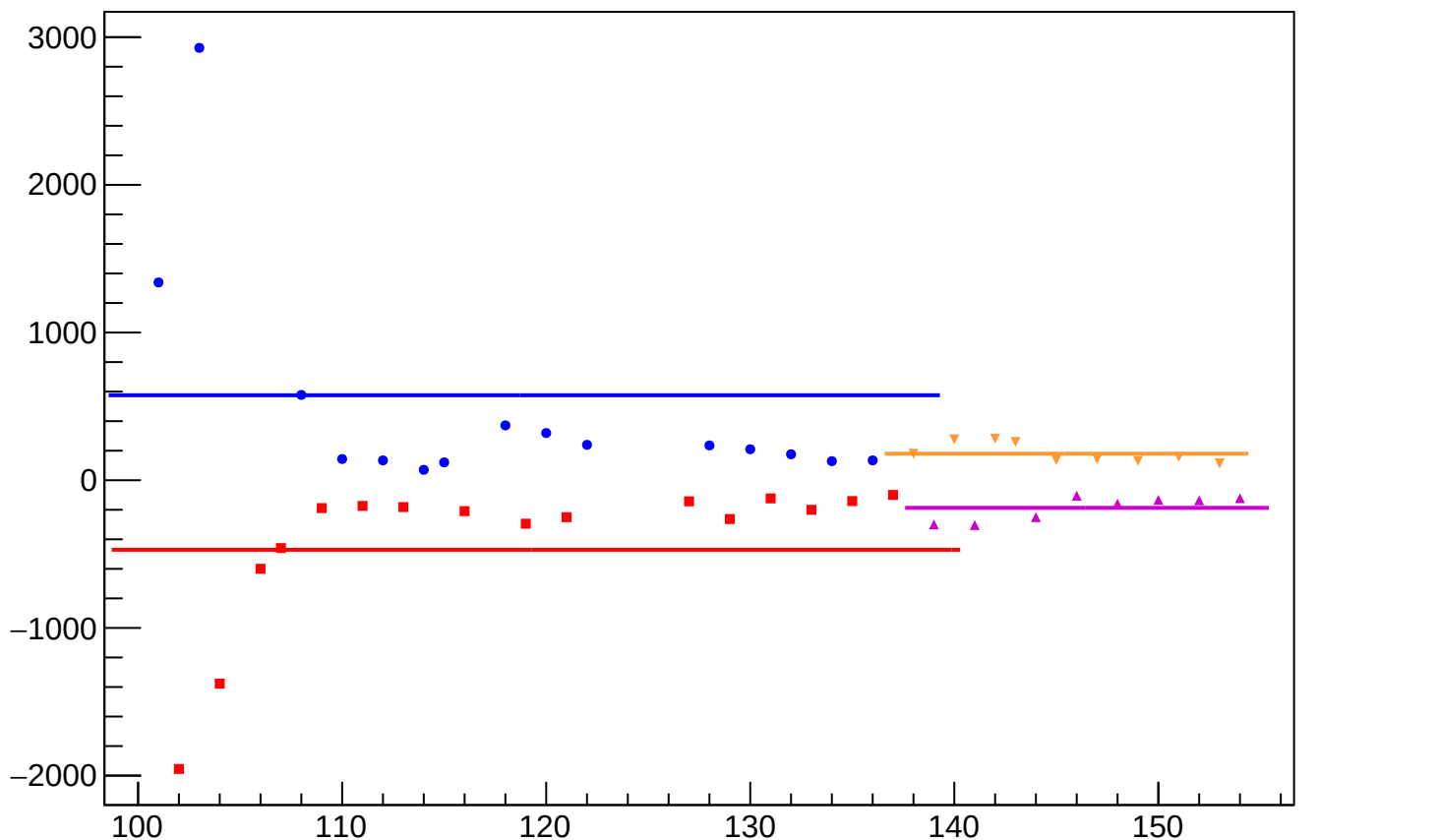
χ^2/NDF : 210733370798031449363504004319005376512.0/15

Left In: 1138.005+/-0.000

χ^2/NDF : 28844955817168408155536944270166458368.0/7

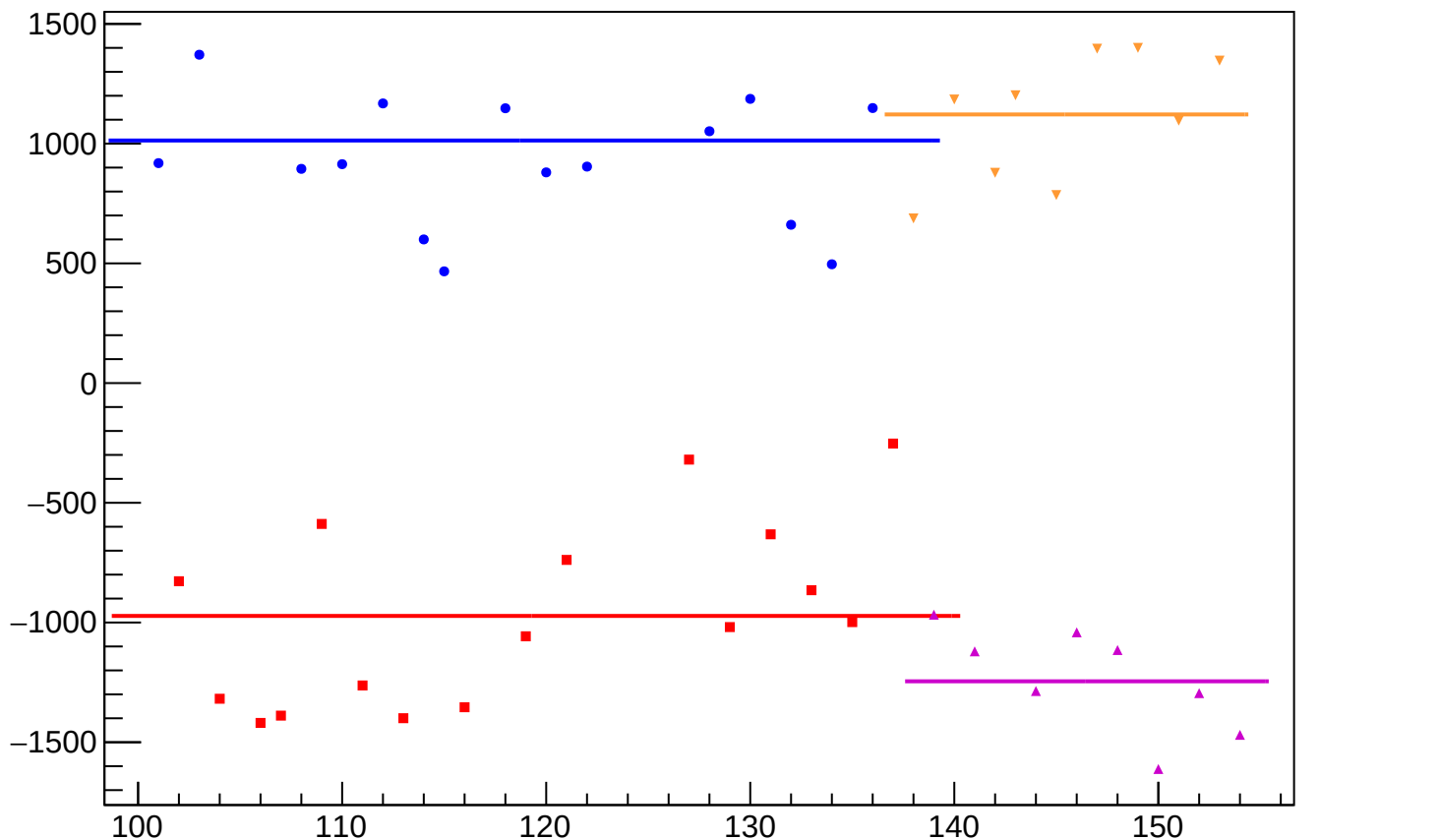
Left: 52.101+/-0.000 χ^2/NDF : 17198525809220422.0/14
 Right: -14.605+/-0.000 χ^2/NDF : 989448118075246.0/14
 In: 274.019+/-0.000 χ^2/NDF : 1361908832249308.0/14
 Out: -233.930+/-0.000 χ^2/NDF : 117731508464695.0/14
 All: 19.382+/-0.000 χ^2/NDF : 2712284274865.0/14

dit_sam3_coil6_err_mean vs Slug, Sign Corrected



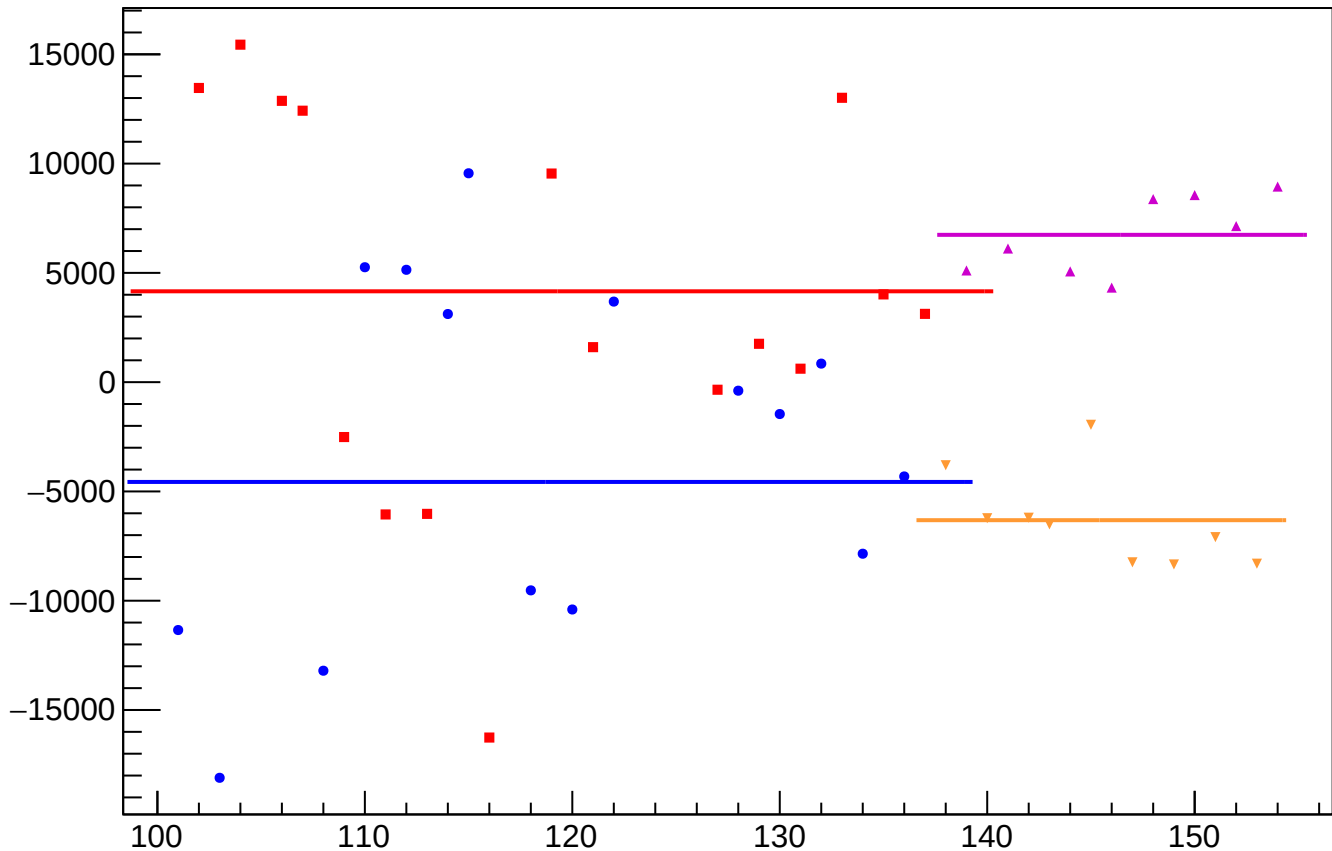
Right In: 575.526+/-0.000 χ^2/NDF : 432680039285849719493276471277131923456.0/14
 Left Out: 179.767+/-0.000 χ^2/NDF : 2534735883841469162226661621984395264.0/8
 Right Out: -470.716+/-0.000 χ^2/NDF : 209310604291868219806073768764512403456.0/15
 Left In: -187.060+/-0.000 χ^2/NDF : 4019080206850459785781088801030930432.0/7
 All: 19.585+/-0.000 χ^2/NDF : 1056292507595

dit_sam3_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1121.971+/-0.000 χ^2/NDF : 44094101174250383817095145493775777792.0/8
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1245.509+/-0.000 χ^2/NDF : 29517629202305629895835280294763560960.0/7
 All: -33.009+/-0.000 χ^2/NDF : 340056389667

dit_sam4_coil6_mean vs Slug, Sign Corrected



Right In: -4565.412+/-0.000

Left Out: -6315.519+/-0.000

Right Out: 4156.859+/-0.000

Left In: 6740.468+/-0.000

χ^2/NDF : 35667768247432289984899042725155487875072.0/14

χ^2/NDF : 3057314330097142151918980180401262166016.0/8

χ^2/NDF : 45539455441659927157708443099930682195968.0/15

χ^2/NDF : 1955578603110528311190044152503505780736.0/7

Left: 265.004+/-0.000 χ^2/NDF : 6326341073332748

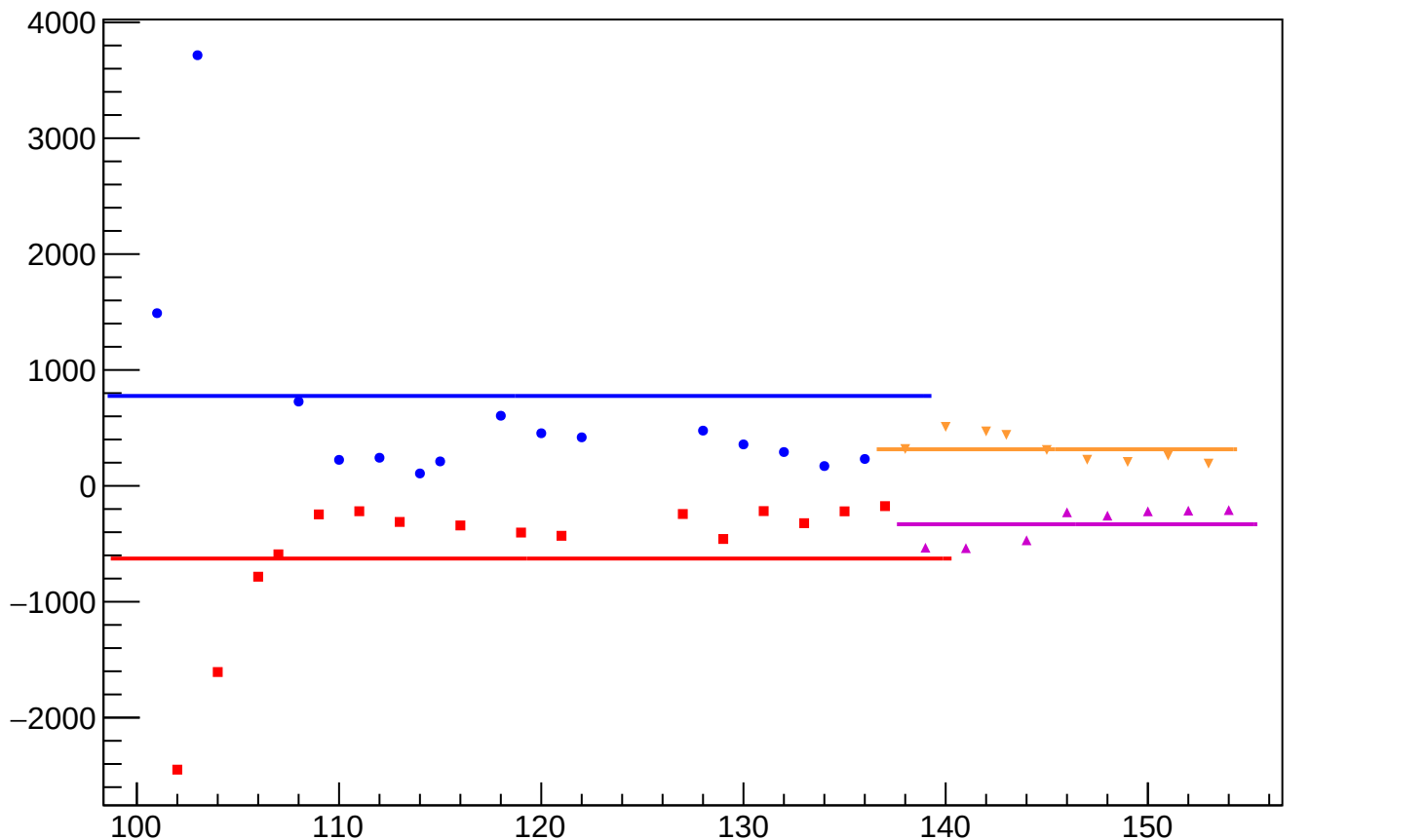
Right: -144.626+/-0.000 χ^2/NDF : 10623220696347

In: 1256.524+/-0.000 χ^2/NDF : 803418995247796

Out: -1122.154+/-0.000 χ^2/NDF : 85471075184653

All: 64.082+/-0.000 χ^2/NDF : 1696081265541

dit_sam4_coil6_err_mean vs Slug, Sign Corrected



Left: -10.543 +/- 0.000 χ^2/NDF : 1650346295197011

Right In: 775.824 +/- 0.000 χ^2/NDF : 641856726975740612716432458612629045248.0/14

Right: 64.659 +/- 0.000 χ^2/NDF : 1586988053007642

Left Out: 315.540 +/- 0.000 χ^2/NDF : 8361879489262508239401569320114847744.0/8

In: 205.651 +/- 0.000 χ^2/NDF : 10652240330411760

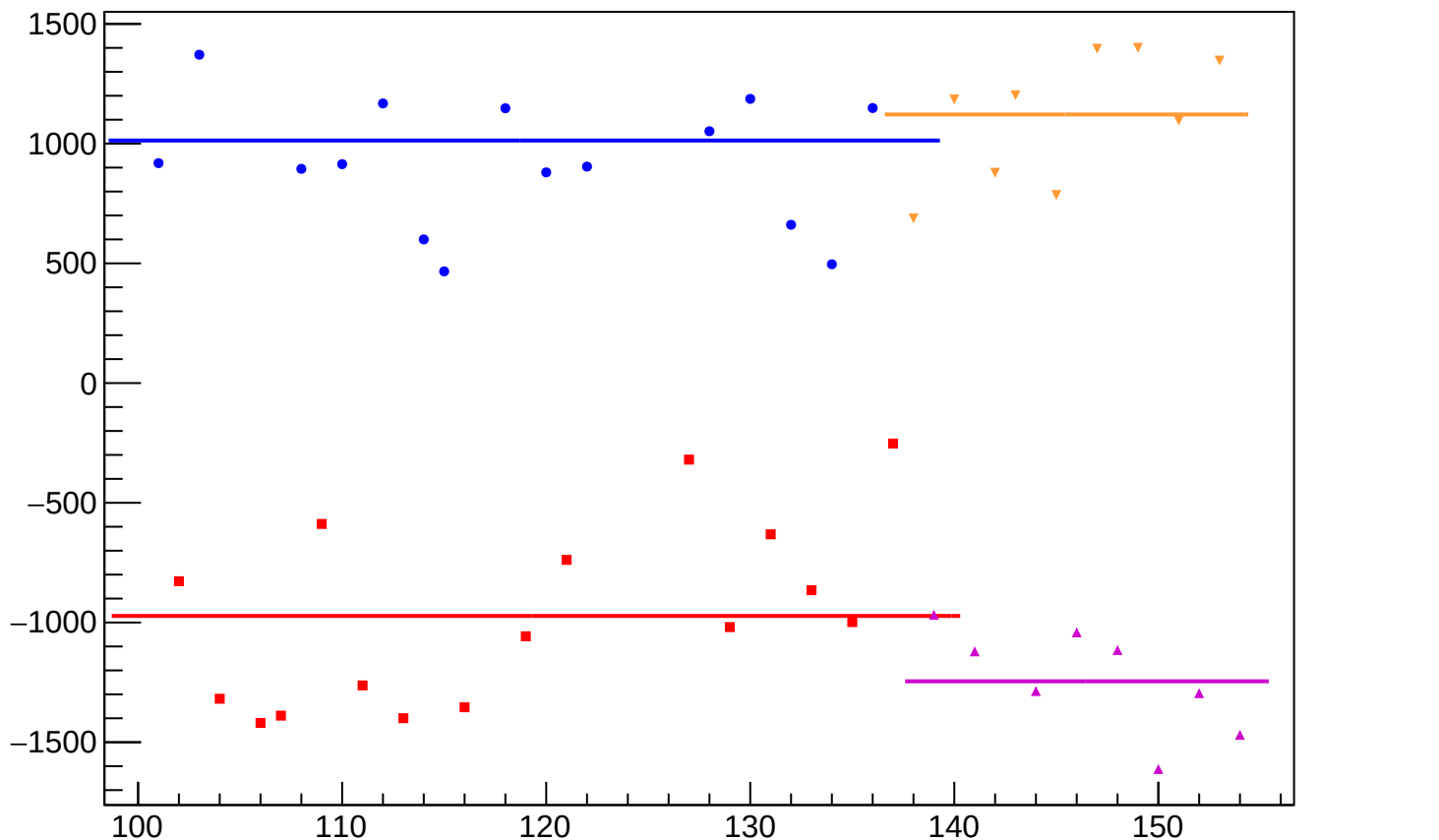
Right Out: -627.315 +/- 0.000 χ^2/NDF : 297517676171111924966086193860621369344.0/15

Out: -152.032 +/- 0.000 χ^2/NDF : 604777437354749

Left In: -331.420 +/- 0.000 χ^2/NDF : 13639777556781554498958533699840245760.0/7

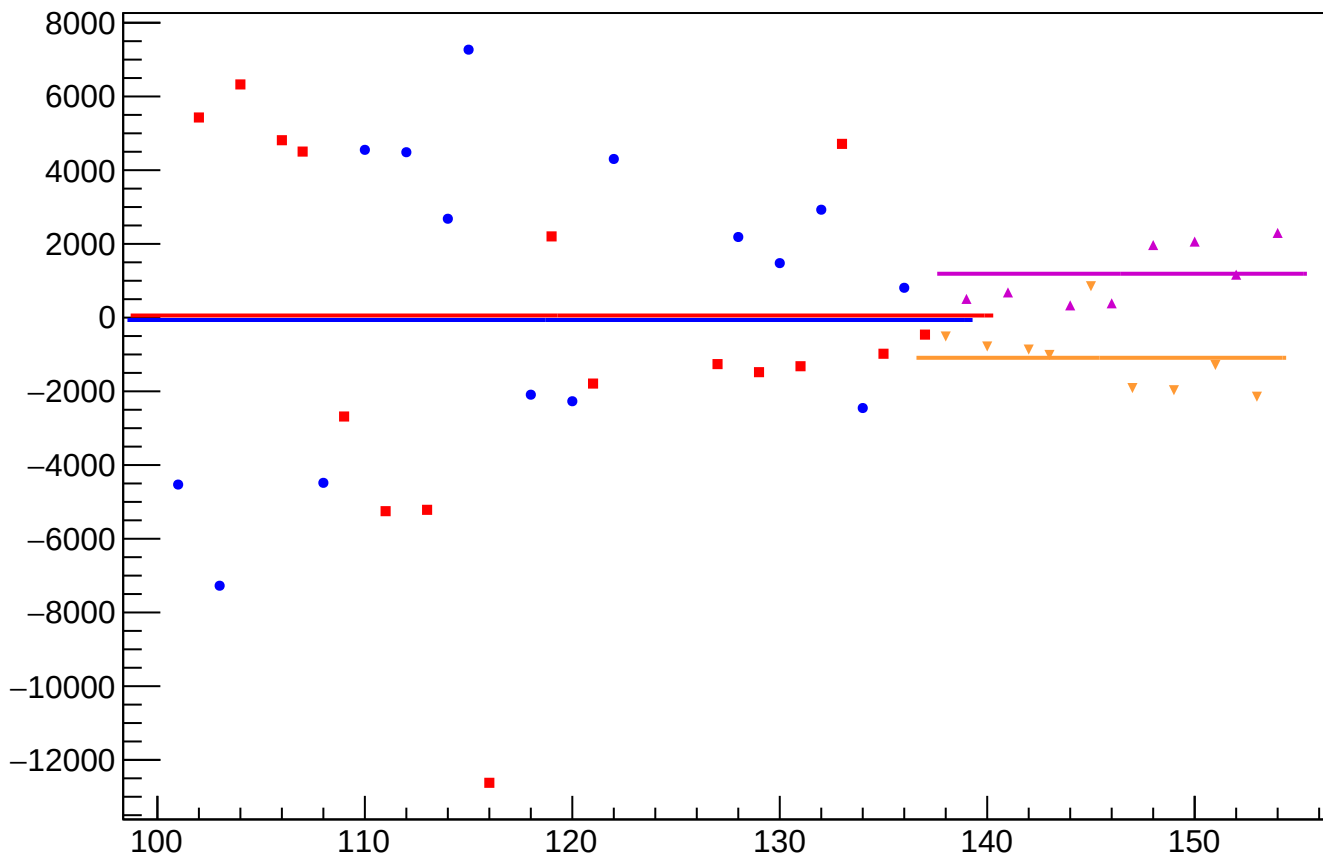
All: 26.343 +/- 0.000 χ^2/NDF : 1755814641735

dit_sam4_coil6_Ndata_mean vs Slug, Sign Corrected



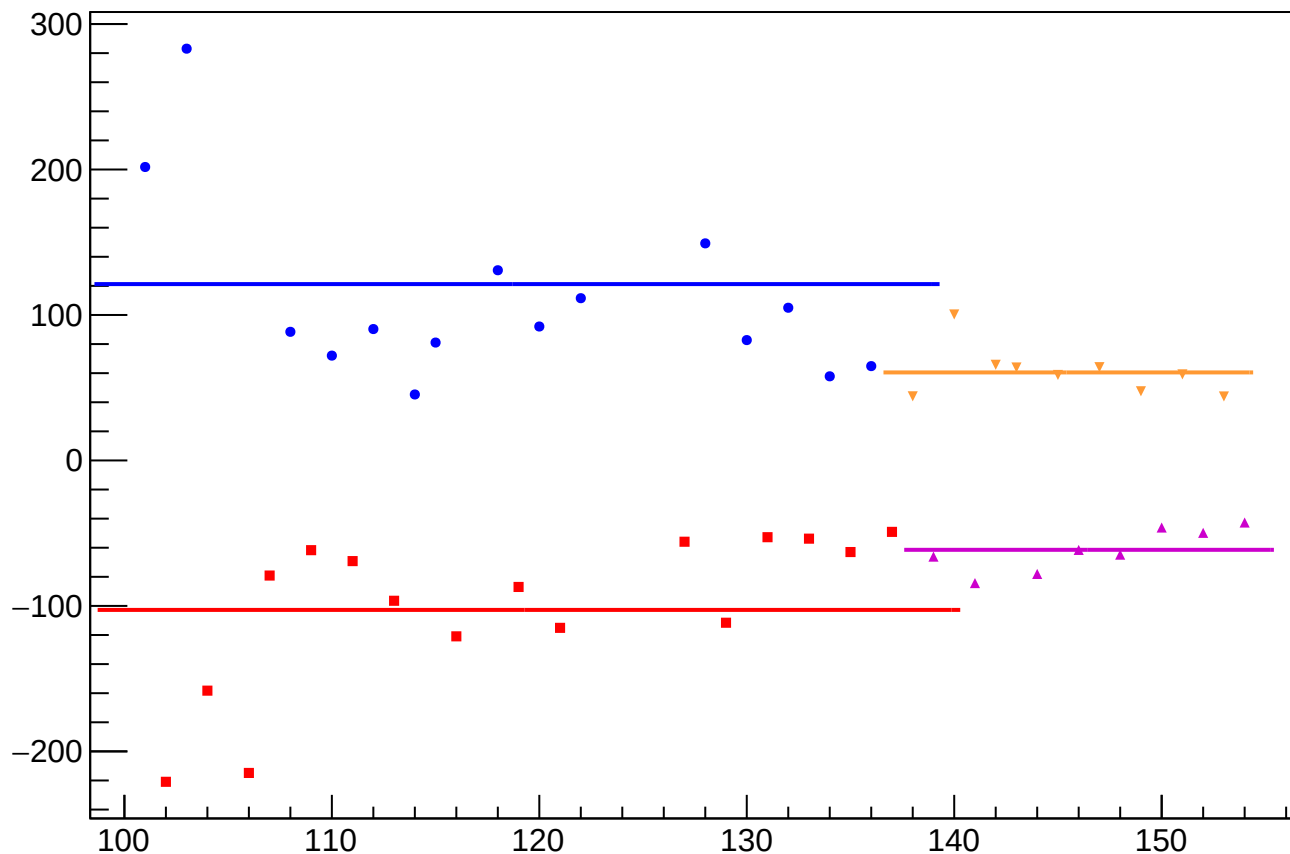
Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1121.971+/-0.000 χ^2/NDF : 44094101174250383817095145493775777792.0/8
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1245.509+/-0.000 χ^2/NDF : 29517629202305629895835280294763560960.0/7
 All: -33.009+/-0.000 χ^2/NDF : 340056389667

dit_sam5_coil6_mean vs Slug, Sign Corrected



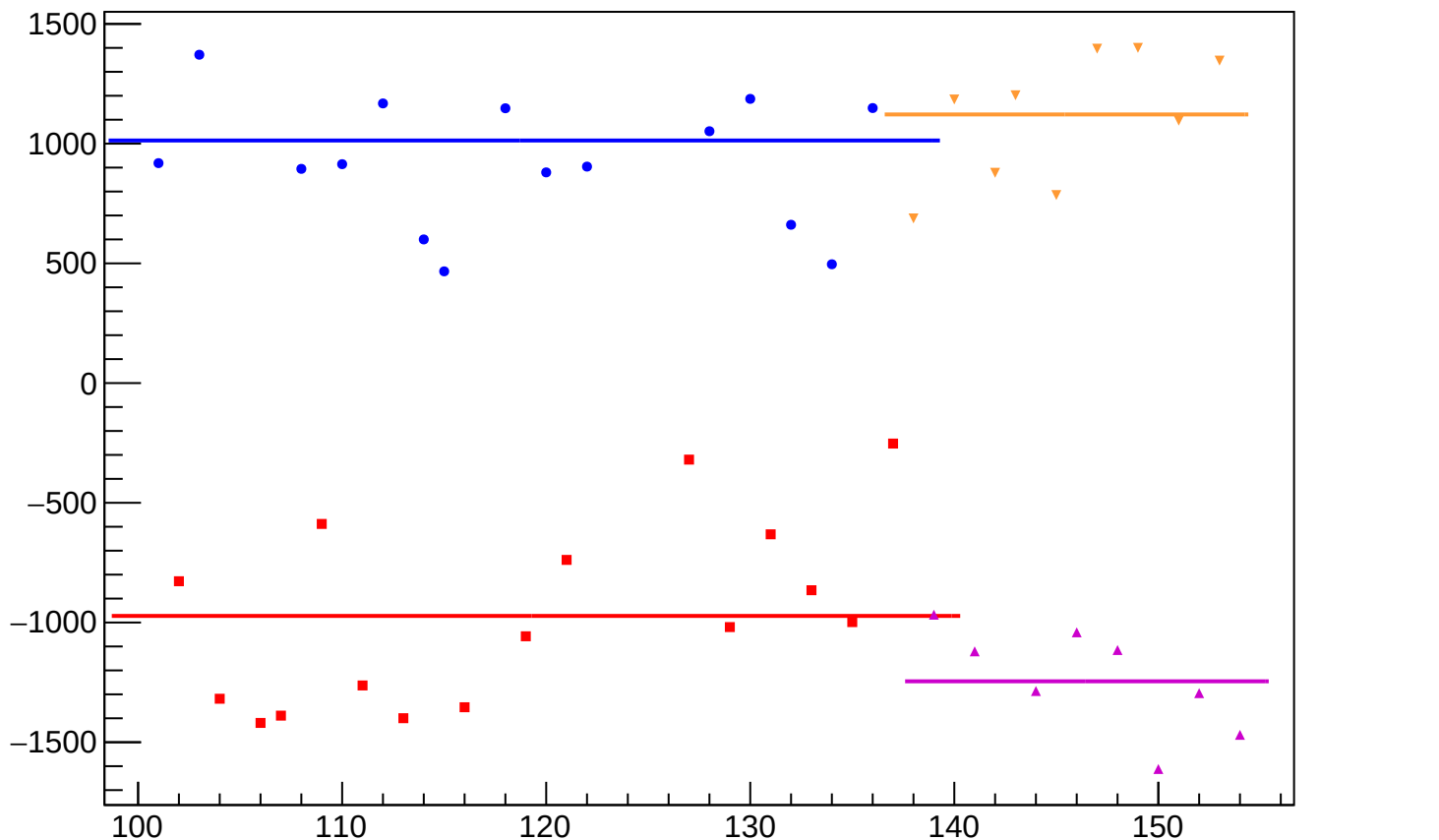
Left: 59.277+/-0.000 χ^2/NDF : 27419351609758413
 Right In: -64.751+/-0.000 χ^2/NDF : 9614223448851814191683817349989558910976.0/14
 Right: -2.927+/-0.000 χ^2/NDF : 2340007670014095
 Left Out: -1090.030+/-0.000 χ^2/NDF : 557106879899790376801232131965608525824.0/8
 In: 581.502+/-0.000 χ^2/NDF : 10548563156207413
 Right Out: 57.229+/-0.000 χ^2/NDF : 13780958977008702301942505454387177979904.0/15
 Out: -521.092+/-0.000 χ^2/NDF : 147806093310410
 Left In: 1190.236+/-0.000 χ^2/NDF : 407975952528458736493860490727991017472.0/7
 All: 28.766+/-0.000 χ^2/NDF : 2614460629784

dit_sam5_coil6_err_mean vs Slug, Sign Corrected



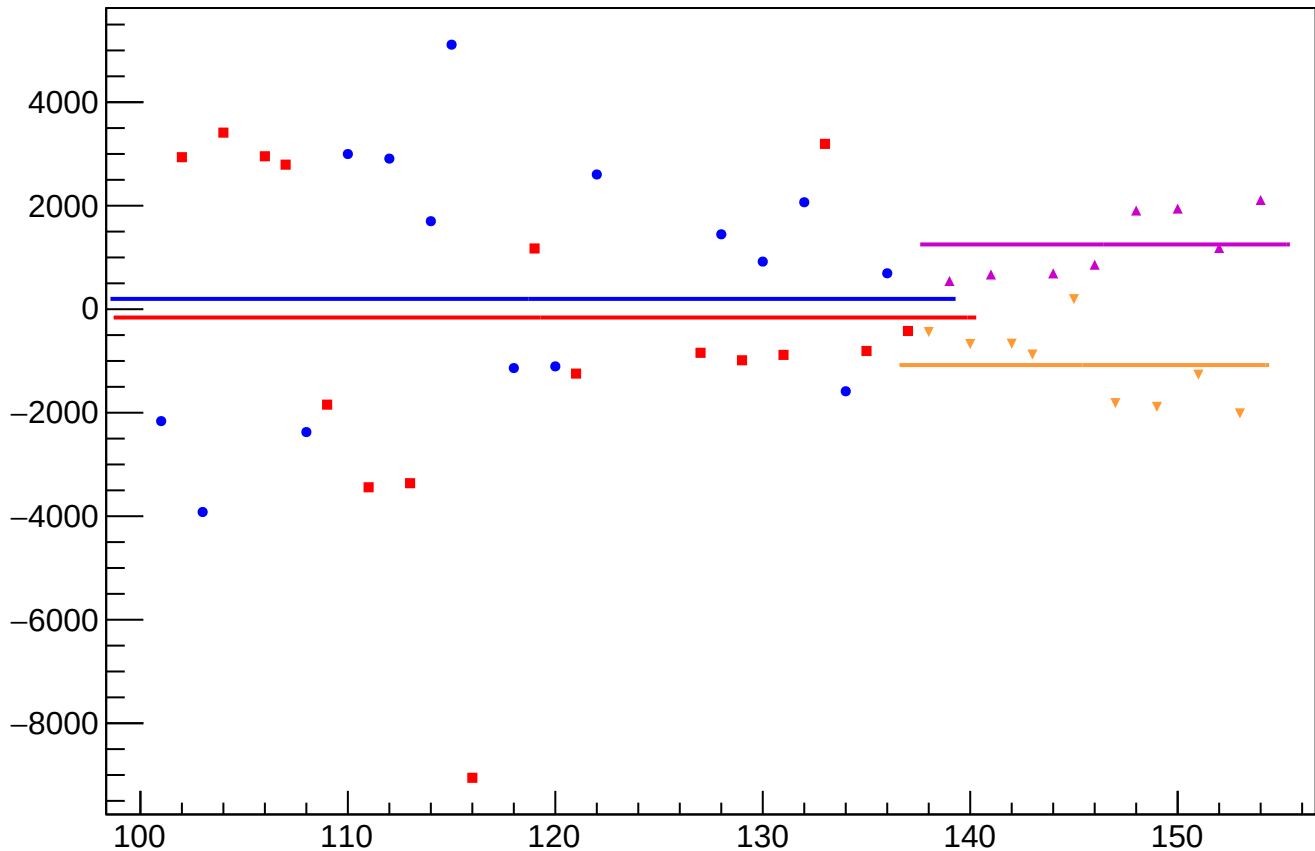
Left: -0.957 ± 0.000 $\chi^2/\text{NDF}: 54099509430372897$
 Right In: 121.228 ± 0.000 $\chi^2/\text{NDF}: 2723170857684362574800637594861305856.0/14$
 Left Out: 60.506 ± 0.000 $\chi^2/\text{NDF}: 192059127544567289416488708107927552.0/8$
 Right Out: -102.749 ± 0.000 $\chi^2/\text{NDF}: 1967668024846010333654427670555918336.0/15$
 Left In: -61.440 ± 0.000 $\chi^2/\text{NDF}: 136150050284622918922244984796086272.0/7$
 All: 3.293 ± 0.000 $\chi^2/\text{NDF}: 26652508257215$

dit_sam5_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146 +/- 0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1121.971 +/- 0.000 χ^2/NDF : 44094101174250383817095145493775777792.0/8
 Right Out: -972.465 +/- 0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1245.509 +/- 0.000 χ^2/NDF : 29517629202305629895835280294763560960.0/7
 All: -33.009 +/- 0.000 χ^2/NDF : 340056389667

dit_sam6_coil6_mean vs Slug, Sign Corrected



Right In: 199.503+/-0.000

χ^2/NDF : 3268159745923533825045181664876849790976.0/14

Left Out: -1079.204+/-0.000

χ^2/NDF : 361344536960976874173865622672555114496.0/8

Right Out: -160.512+/-0.000

χ^2/NDF : 5680576709461197901526729703706251493376.0/15

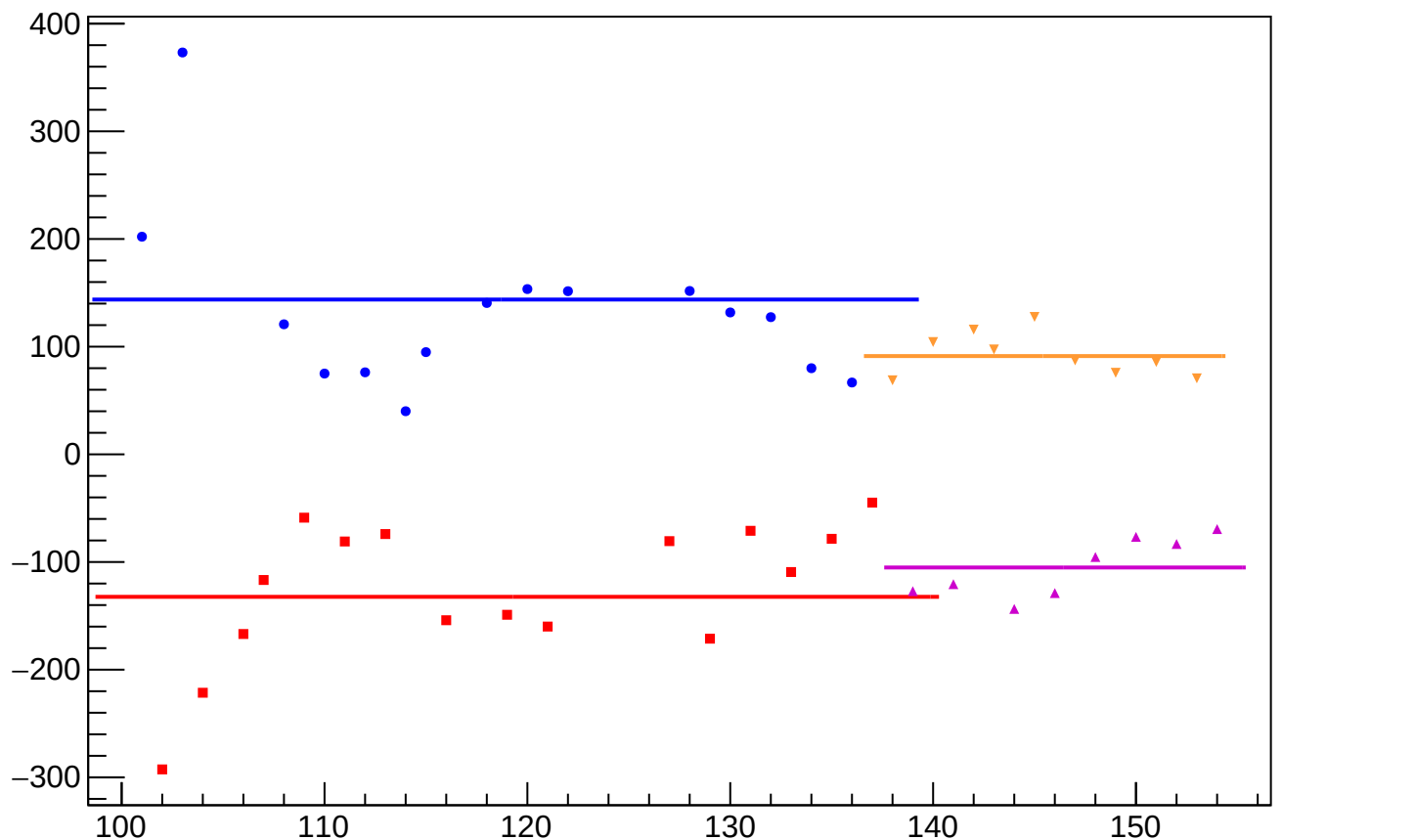
Left In: 1251.197+/-0.000

χ^2/NDF : 25528606500912515166752026410542225408.0/7

All: 56.948+/-0.000

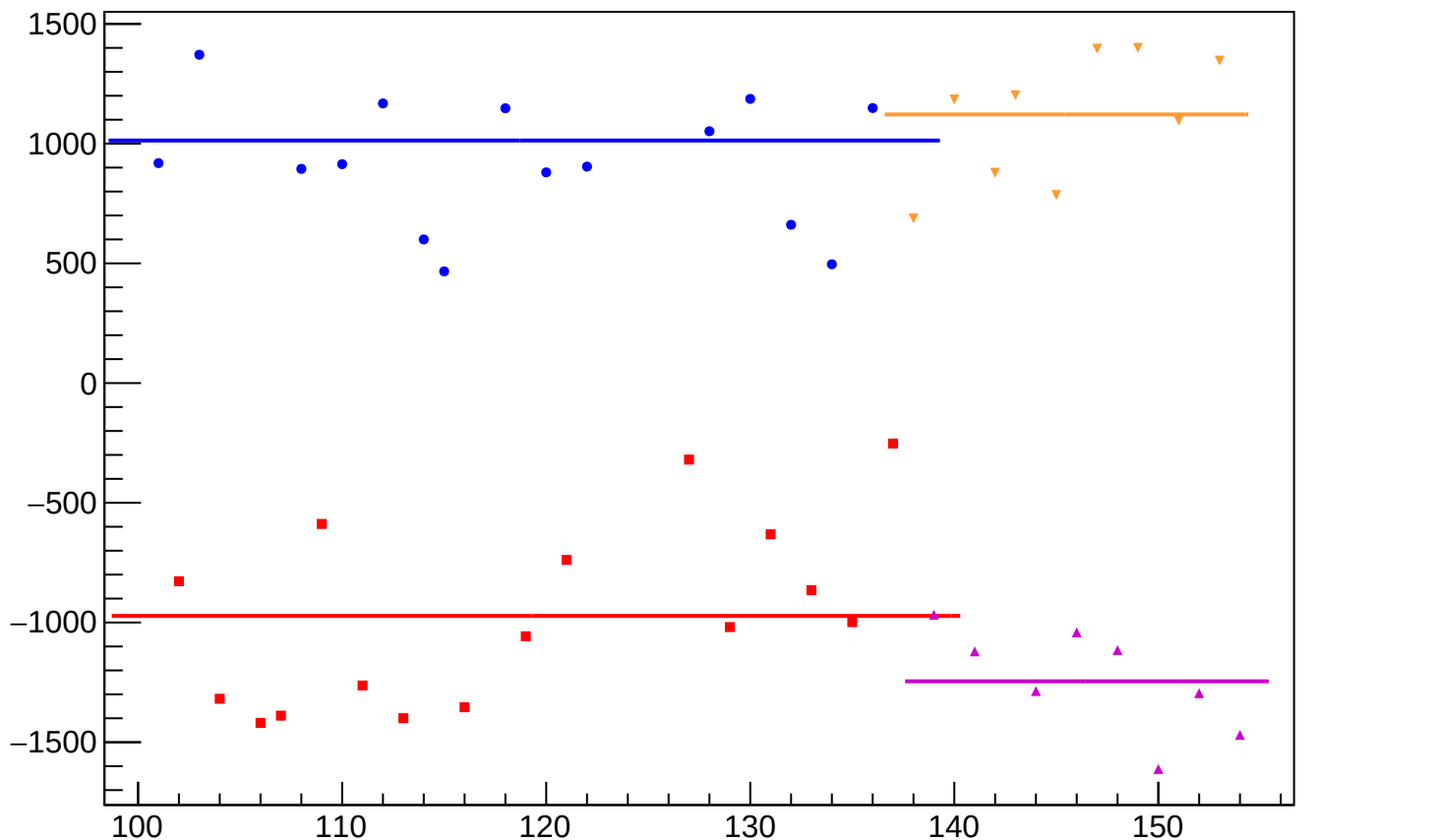
χ^2/NDF : 1146796227598

dit_sam6_coil6_err_mean vs Slug, Sign Corrected



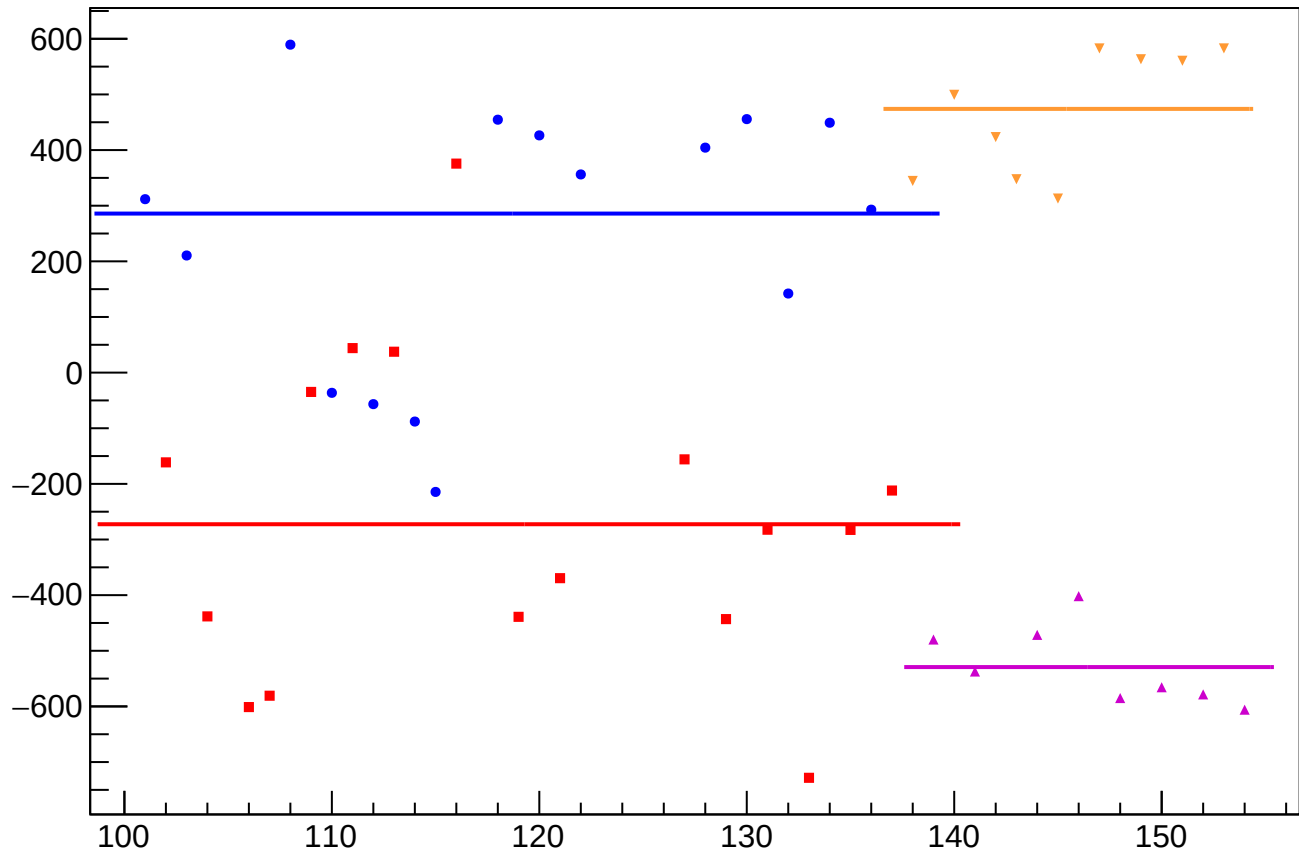
Right In: 143.764 +/- 0.000 χ^2/NDF : 4514785869565777849900508591821946880.0/14
 Left Out: 91.255 +/- 0.000 χ^2/NDF : 250894708159052117006618901753102336.0/8
 Right Out: -132.341 +/- 0.000 χ^2/NDF : 3174087908796245287682359914282352640.0/15
 Left In: -105.095 +/- 0.000 χ^2/NDF : 474492172118886574721280946812747776.0/7
 All: -2.053 +/- 0.000 χ^2/NDF : 4675435461577

dit_sam6_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1121.971+/-0.000 χ^2/NDF : 44094101174250383817095145493775777792.0/8
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1245.509+/-0.000 χ^2/NDF : 29517629202305629895835280294763560960.0/7
 All: -33.009+/-0.000 χ^2/NDF : 340056389667

dit_sam7_coil6_mean vs Slug, Sign Corrected



Right In: 285.856+/-0.000

χ^2/NDF : 24108244802355530064663311301086281728.0/14

Left Out: 474.010+/-0.000

χ^2/NDF : 78248749510086667818734477411929280.0/8

Right Out: -272.539+/-0.000

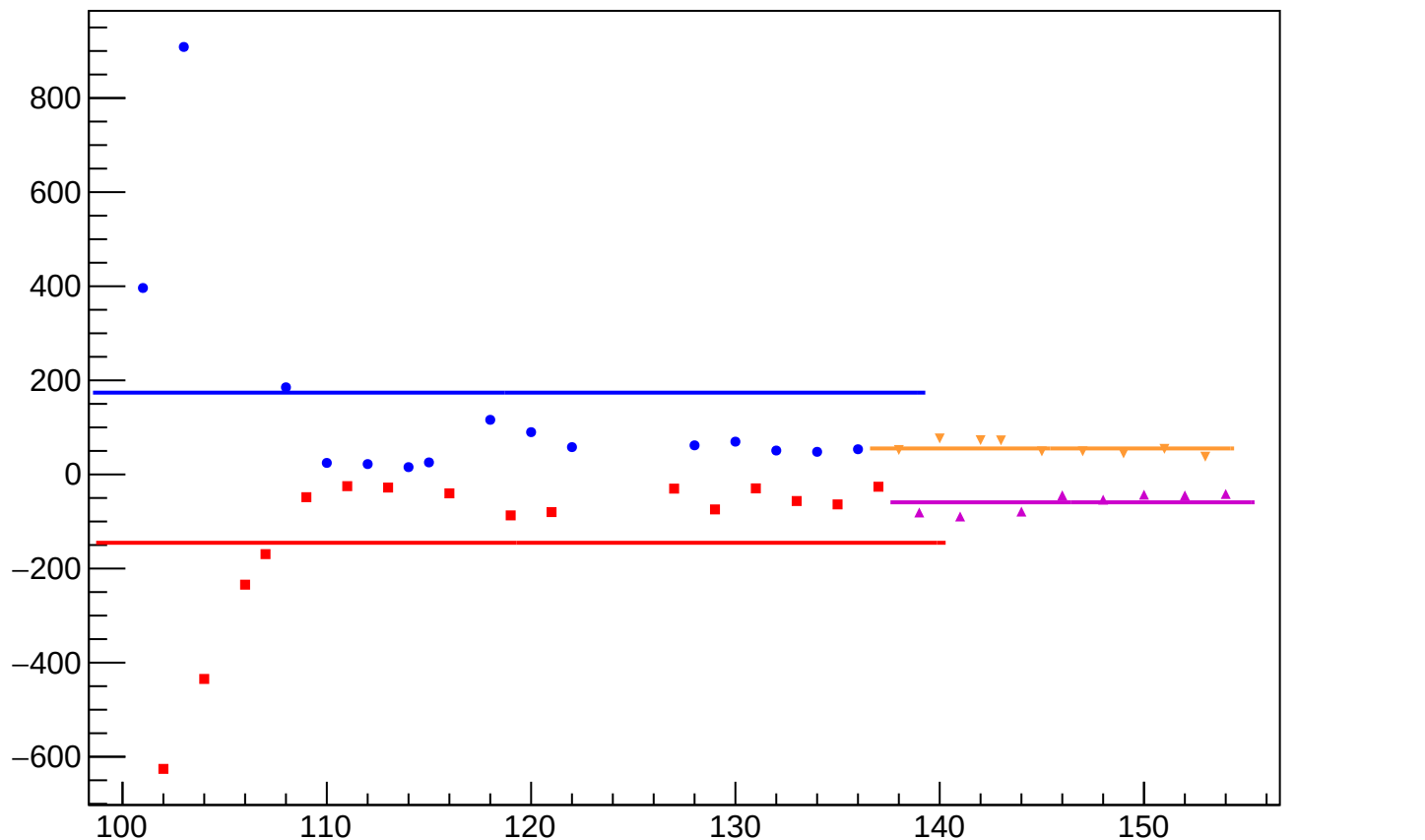
χ^2/NDF : 44149952665075593650338713333575712768.0/15

Left In: -529.271+/-0.000

χ^2/NDF : 2962518492441283447355685929450733568.0/7

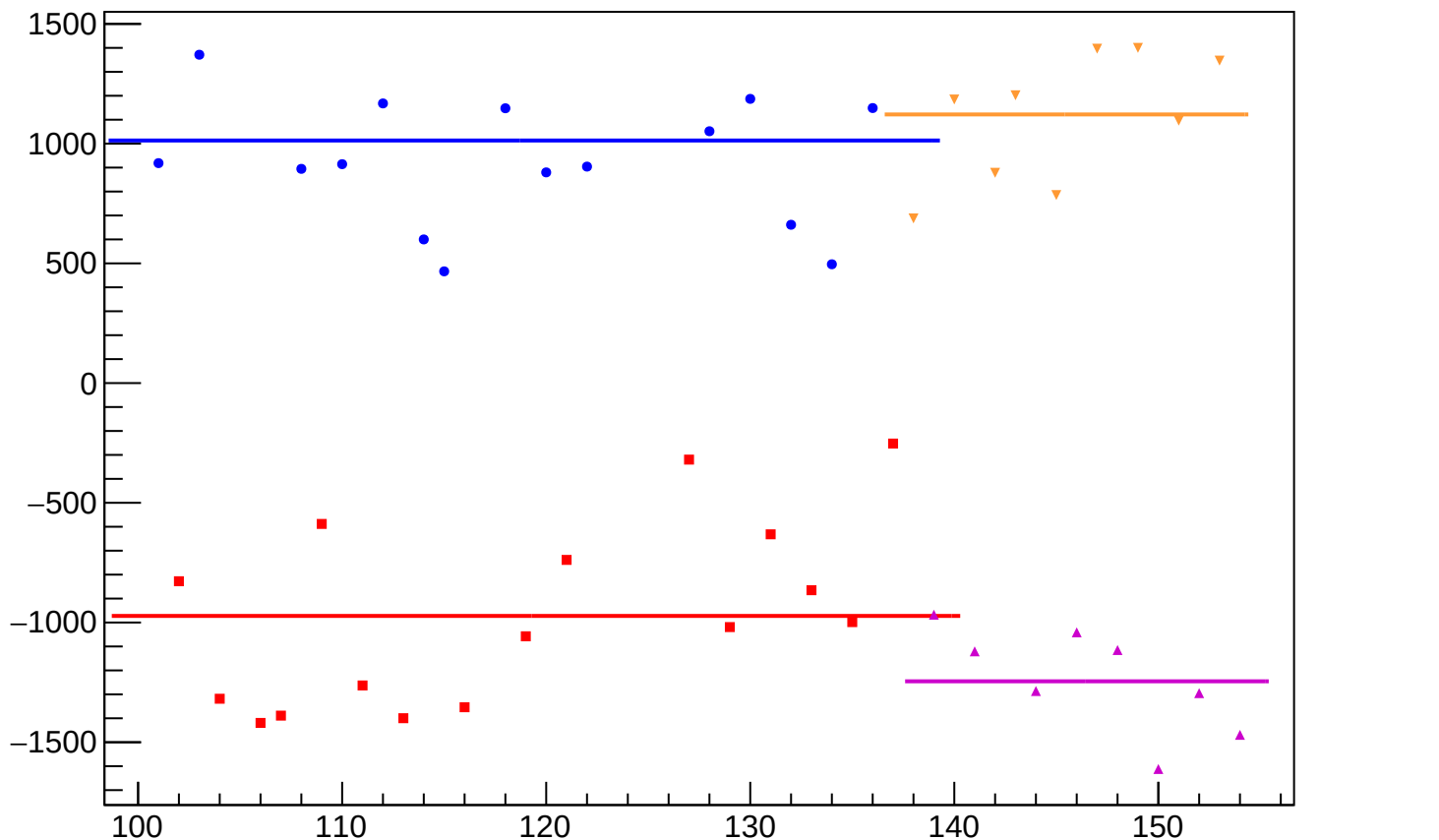
All: -14.741+/-0.000 χ^2/NDF : 526382779571

dit_sam7_coil6_err_mean vs Slug, Sign Corrected



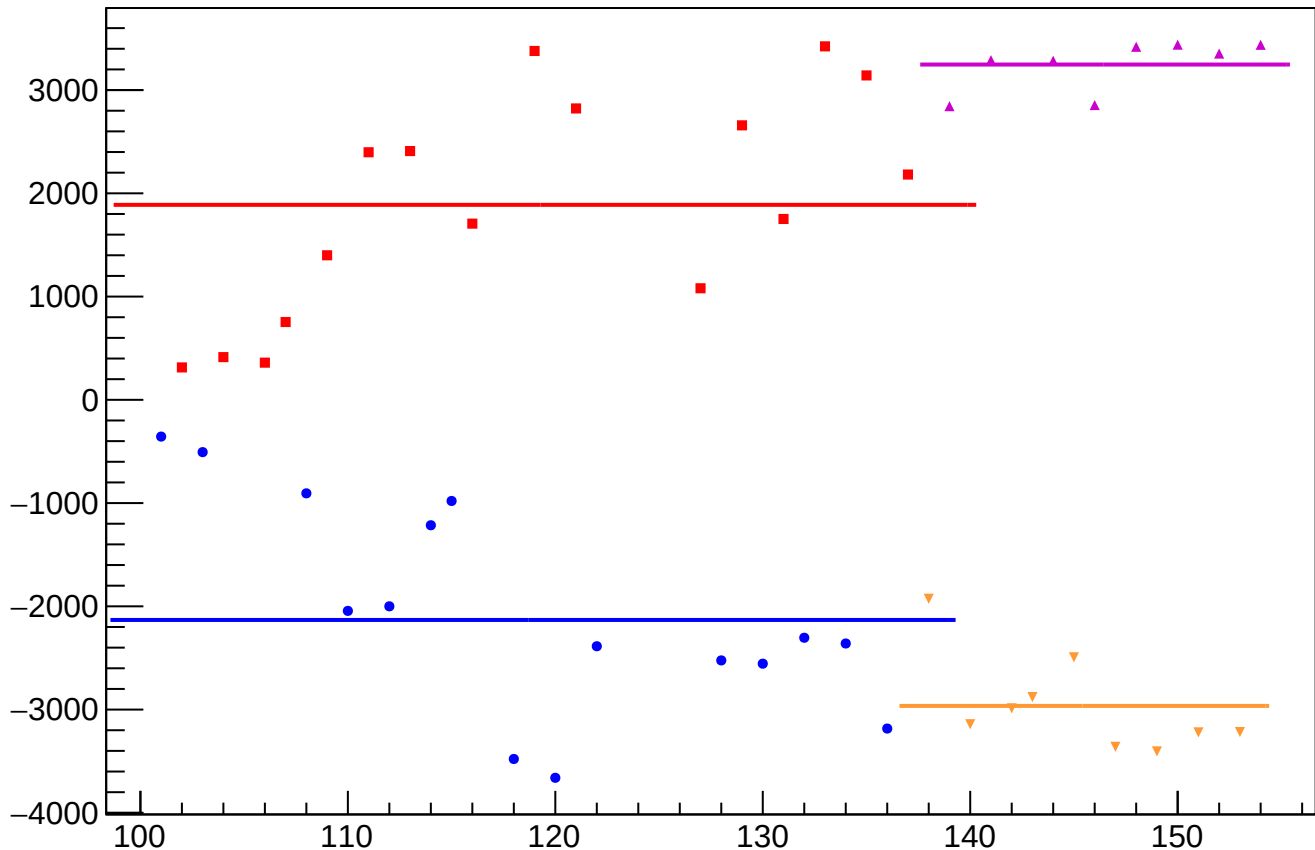
Left: -2.449 ± 0.000 $\chi^2/\text{NDF}: 48322532872123253$
 Right In: 173.871 ± 0.000 $\chi^2/\text{NDF}: 41705473404466232613073704554990665728.0/14$
 Right: 12.139 ± 0.000 $\chi^2/\text{NDF}: 9772897307710637$
 Left Out: 55.244 ± 0.000 $\chi^2/\text{NDF}: 113589262736658610277820686942601216.0/8$
 In: 53.841 ± 0.000 $\chi^2/\text{NDF}: 601045454344744983$
 Right Out: -145.228 ± 0.000 $\chi^2/\text{NDF}: 22529615719408594720785265744437837824.0/15$
 Out: -44.172 ± 0.000 $\chi^2/\text{NDF}: 3615584367134747$
 Left In: -59.221 ± 0.000 $\chi^2/\text{NDF}: 241246517293045439651979224619679744.0/7$
 All: 4.706 ± 0.000 $\chi^2/\text{NDF}: 10270392645248$

dit_sam7_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1121.971+/-0.000 χ^2/NDF : 44094101174250383817095145493775777792.0/8
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1245.509+/-0.000 χ^2/NDF : 29517629202305629895835280294763560960.0/7
 All: -33.009+/-0.000 χ^2/NDF : 340056389667

dit_sam8_coil6_mean vs Slug, Sign Corrected



Right In: -2131.905+/-0.000

Left Out: -2964.363+/-0.000

Right Out: 1888.448+/-0.000

Left In: 3247.257+/-0.000

χ^2/NDF : 722433384570495071131450661983670501376.0/14

χ^2/NDF : 144056939546478972355942561374109958144.0/8

χ^2/NDF : 791986665551980691032719862611769819136.0/15

χ^2/NDF : 36313721148912447674835310552675254272.0/7

Left: 166.439+/-0.000 χ^2/NDF : 1336567497389188

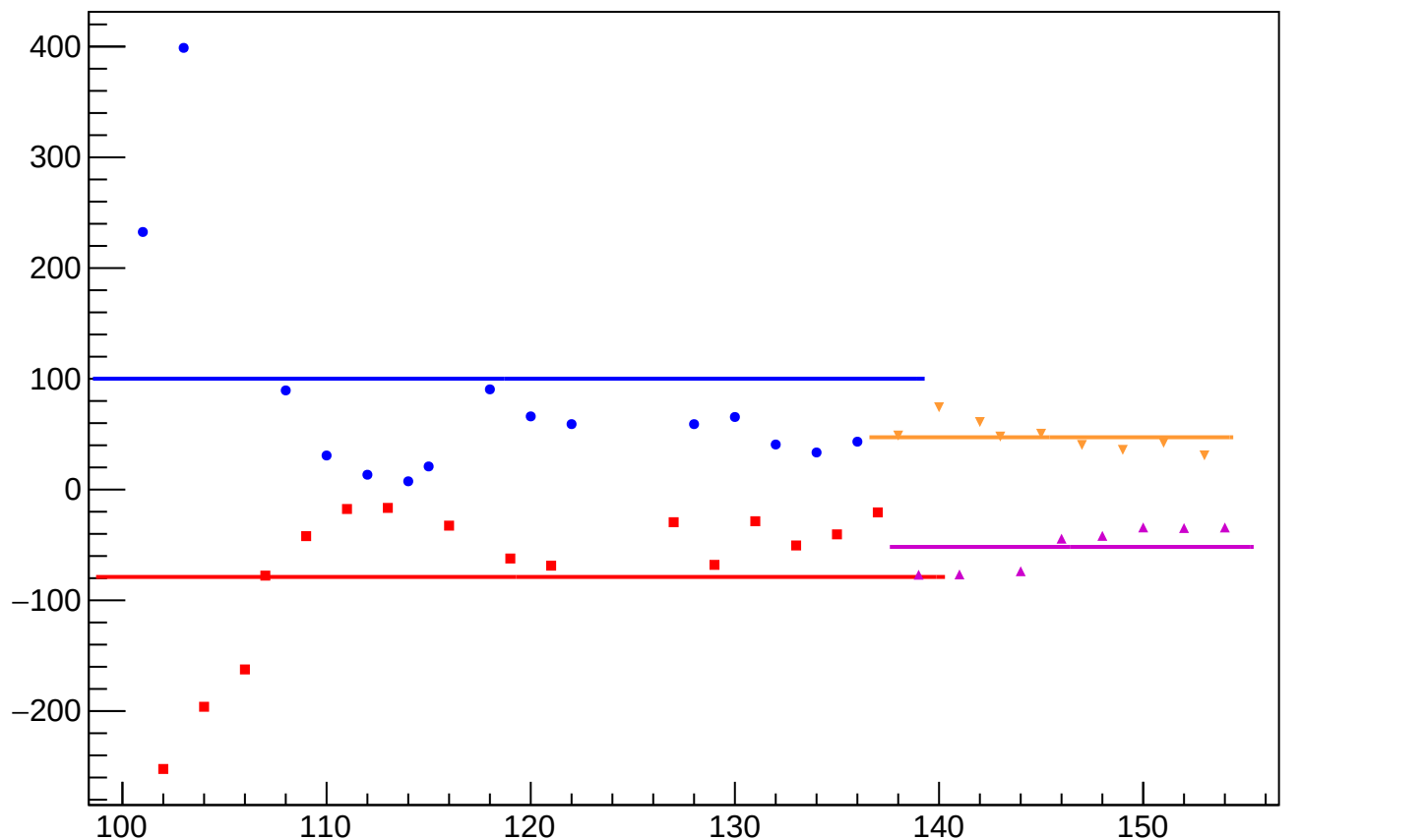
Right: -94.234+/-0.000 χ^2/NDF : 683113062504059

In: 638.082+/-0.000 χ^2/NDF : 10428981816684713

Out: -557.802+/-0.000 χ^2/NDF : 885412641190323

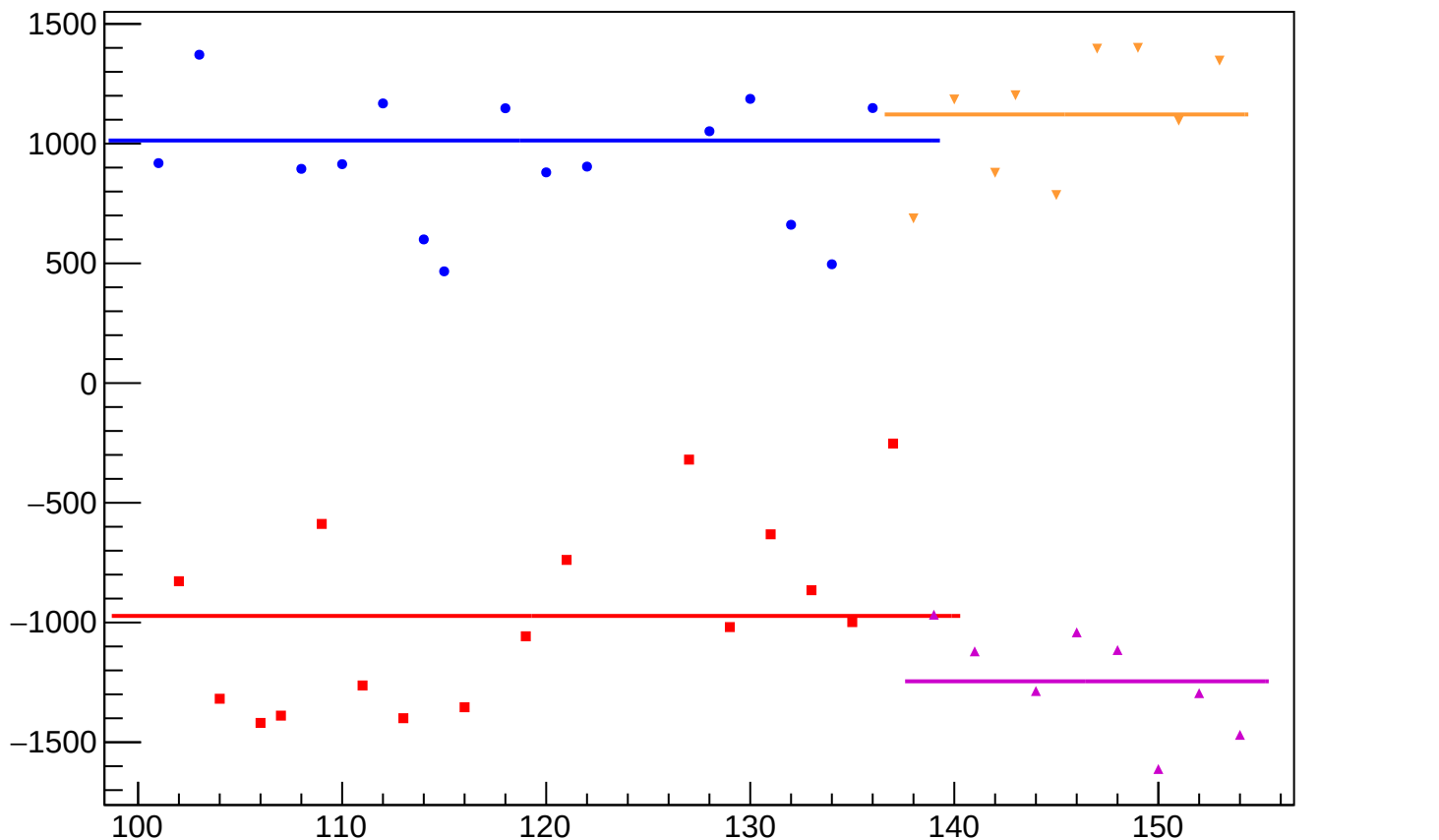
All: 38.580+/-0.000 χ^2/NDF : 2024236663947

dit_sam8_coil6_err_mean vs Slug, Sign Corrected



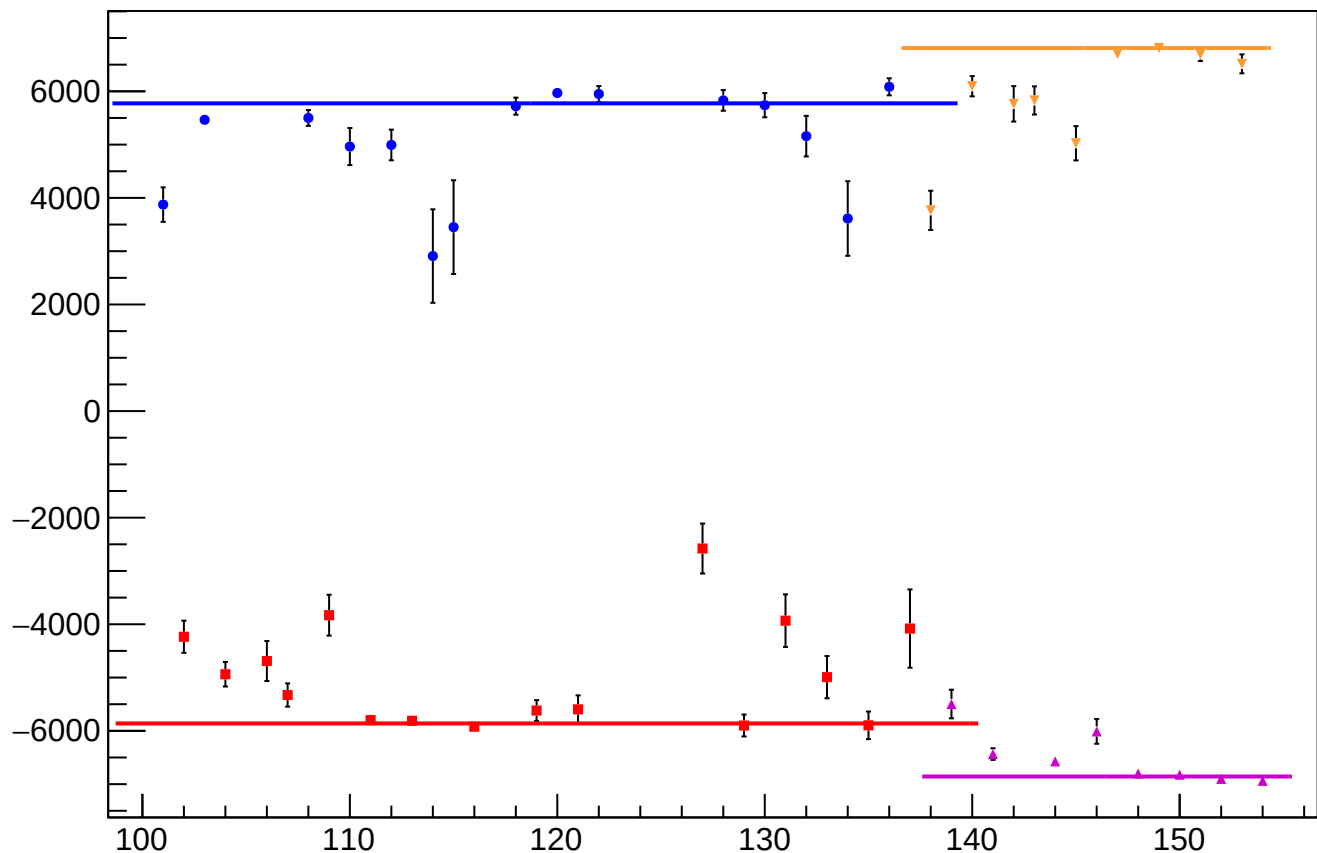
Right In: 100.135 +/- 0.000 χ^2/NDF : 7813910768784473081480373577053110272.0/14
 Left Out: 47.225 +/- 0.000 χ^2/NDF : 109098032159476306274256912553869312.0/8
 Right Out: -78.881 +/- 0.000 χ^2/NDF : 3525129078433901202304301512966275072.0/15
 Left In: -51.757 +/- 0.000 χ^2/NDF : 240223848285938627046804289386184704.0/7
 All: 3.255 +/- 0.000 χ^2/NDF : 2567554467058

dit_sam8_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1121.971+/-0.000 χ^2/NDF : 44094101174250383817095145493775777792.0/8
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1245.509+/-0.000 χ^2/NDF : 29517629202305629895835280294763560960.0/7
 All: -33.009+/-0.000 χ^2/NDF : 340056389667

dit_run_mean vs Slug, Sign Corrected



Right In: 5774.117+/-0.181 χ^2/NDF : 1828526.5/14

Left Out: 6812.620+/-0.311 χ^2/NDF :142.8/8

Right Out: -5861.461+/-0.140 χ^2/NDF : 180020.4/15

Left In: -6856.400+/-0.193 χ^2/NDF :91986.6/7

Left: -3056.911+/-0.164 χ^2/NDF : 1396549454.1/16

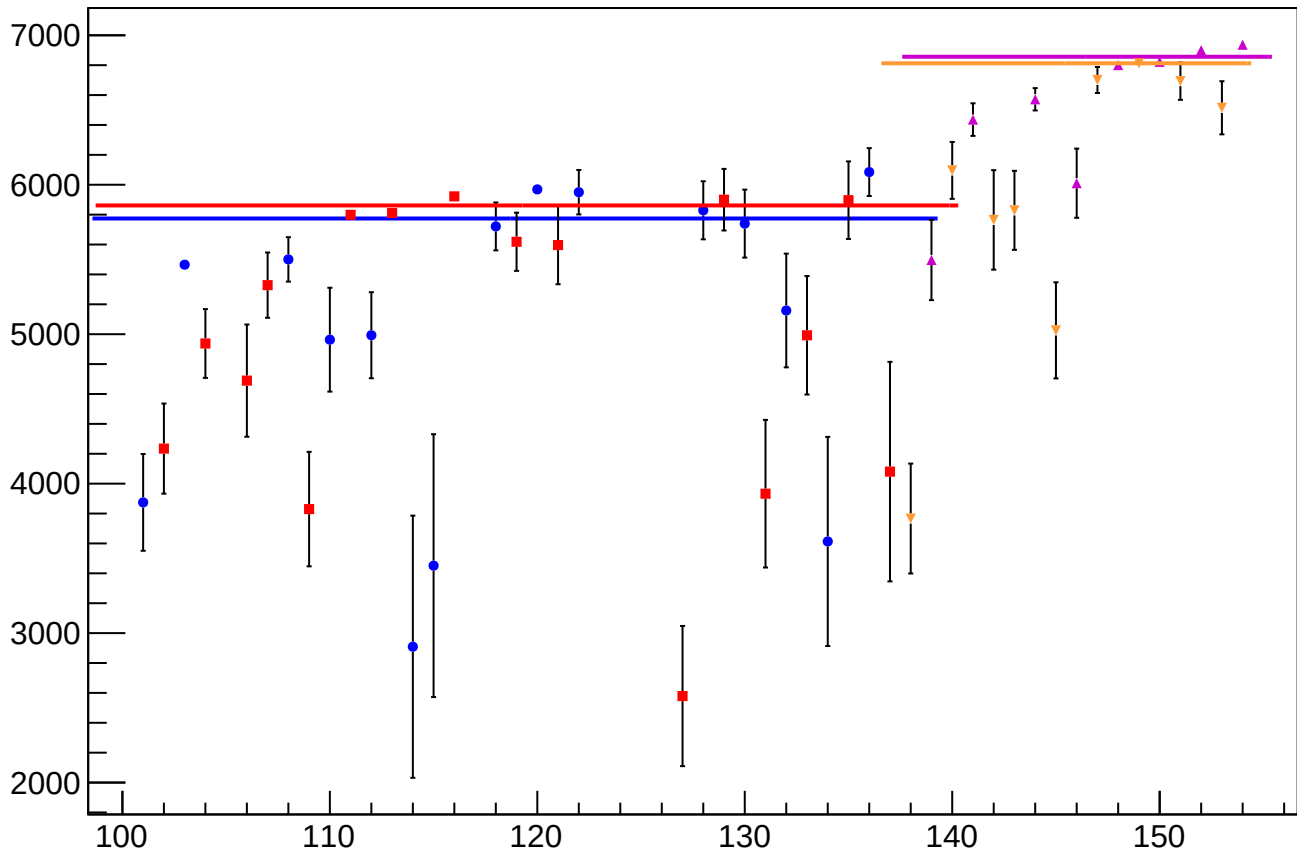
Right: -1536.191+/-0.111 χ^2/NDF : 2585354230.9/30

In: -157.041+/-0.132 χ^2/NDF :2277120048.5/22

Out: -3734.554+/-0.127 χ^2/NDF :1383894264.4/24

All: -2012.316+/-0.092 χ^2/NDF : 4041060305

dit_run_rms vs Slug, Sign Corrected



Right In: 5774.117 $\pm$ 0.181 χ^2 /NDF: 1828526.5/14

Left Out: 6812.620 $\pm$ 0.311 χ^2 /NDF:142.8/8

Right Out: 5861.461 $\pm$ 0.140 χ^2 /NDF: 180020.4/15

Left In: 6856.400 $\pm$ 0.193 χ^2 /NDF:91986.6/7

Left: 6844.231 $\pm$ 0.164 χ^2 /NDF: 106454.7/16

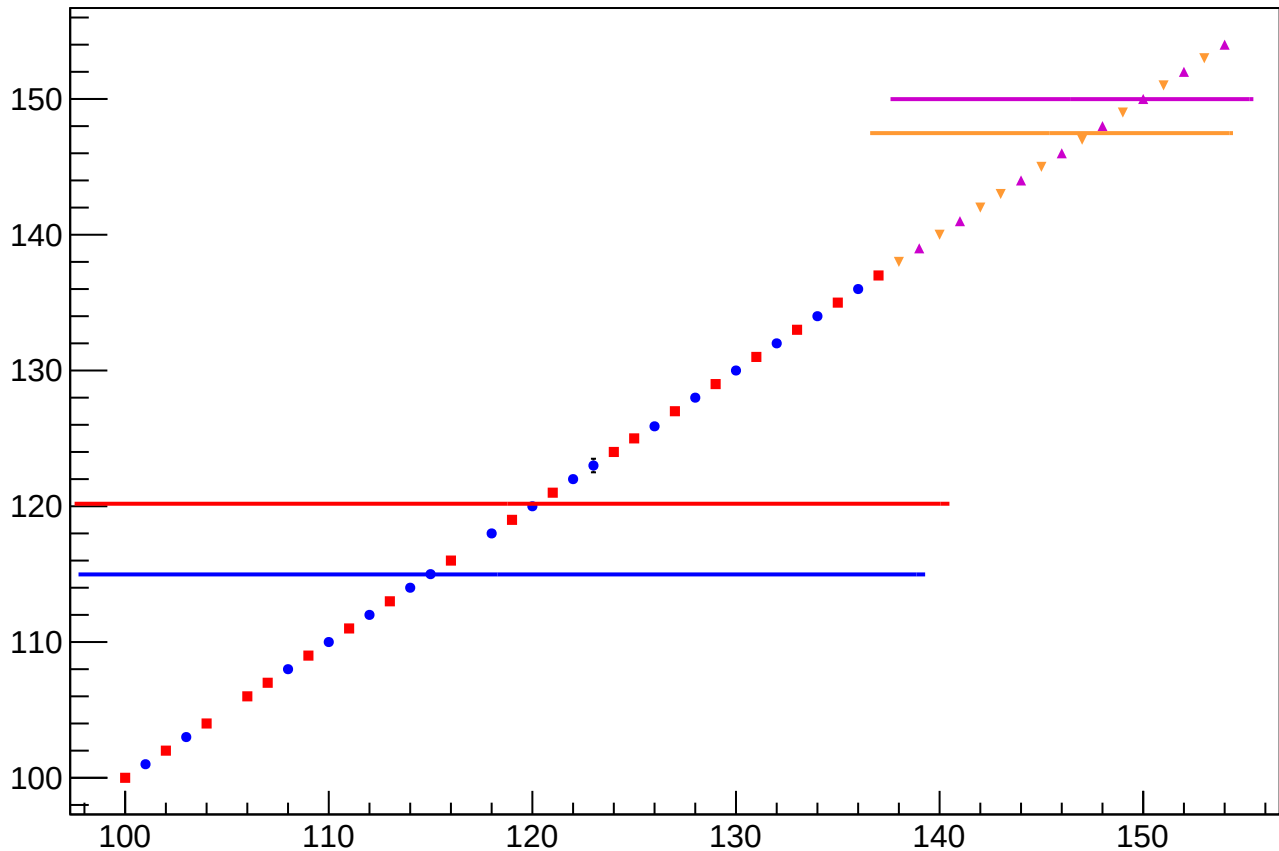
Right: 5828.993 $\pm$ 0.111 χ^2 /NDF: 2154118.4/30

In: 6282.345 $\pm$ 0.132 χ^2 /NDF:18625991.8/22

Out: 6021.080 $\pm$ 0.127 χ^2 /NDF:7973428.5/24

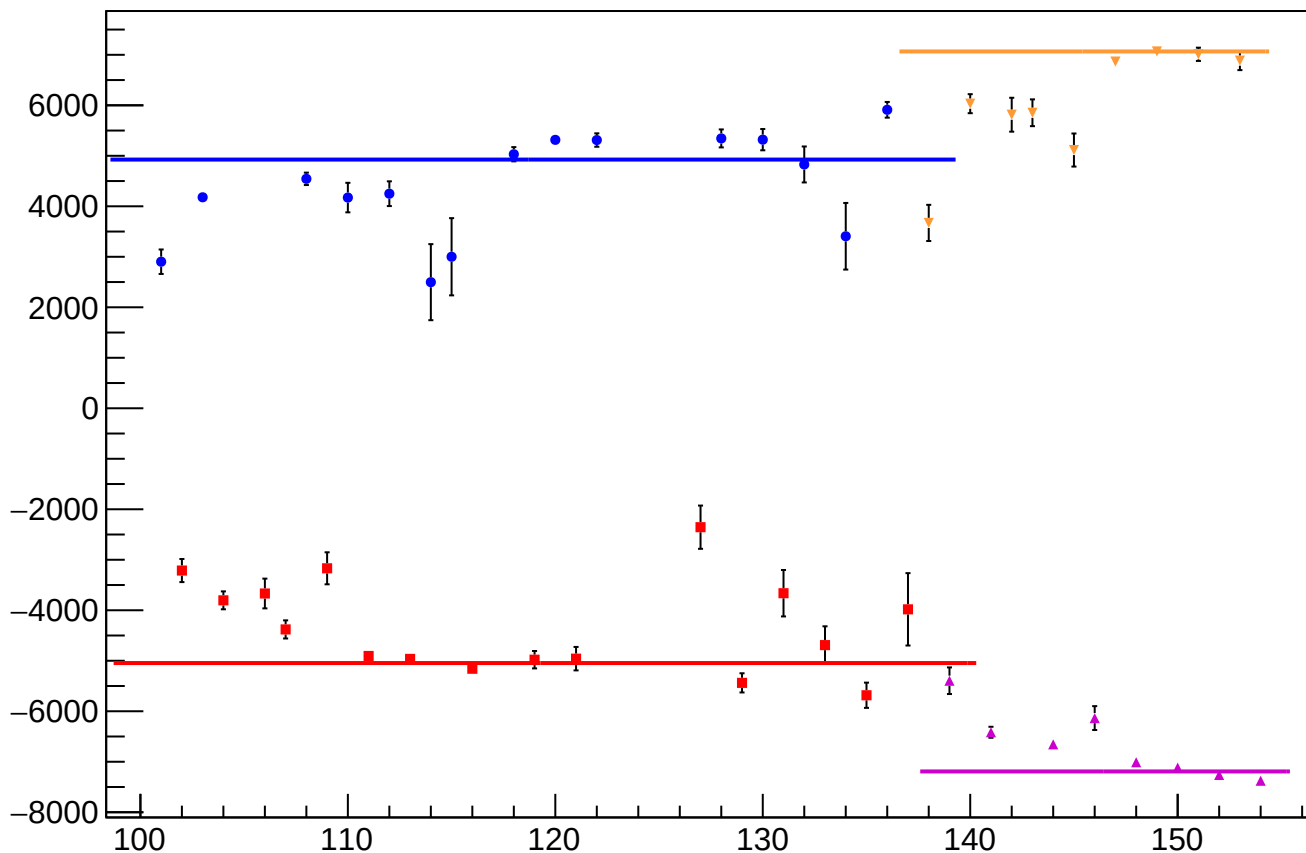
All: 6146.855 $\pm$ 0.092 χ^2 /NDF: 28626341.6/4

dit_slug_slope vs Slug, Sign Corrected



Right In: 114.980 $\pm$ 0.000 χ^2 /NDF: 112344936246012934714934440230912.0/16
 Left Out: 147.485 $\pm$ 0.000 χ^2 /NDF: 12900818648050543712514512781312.0/8
 Right Out: 120.186 $\pm$ 0.000 χ^2 /NDF: 52233253644261695528198041763840.0/18
 Left In: 149.989 $\pm$ 0.000 χ^2 /NDF: 6090608723282223943032632246272.0/7
 All: 124.327 $\pm$ 0.000 χ^2 /NDF: 774113362578

dit_cyclenum_mean vs Slug, Sign Corrected



Right In: 4925.305 $\pm$ 0.939 χ^2 /NDF: 330994.6/14

Left Out: 7066.429 $\pm$ 1.478 χ^2 /NDF:196.7/8

Right Out: -5045.221 $\pm$ 0.668 χ^2 /NDF: 30179.9/15

Left In: -7191.878 $\pm$ 0.849 χ^2 /NDF:26668.4/7

Left: -3650.532 $\pm$ 0.736 χ^2 /NDF: 70018002.0/16

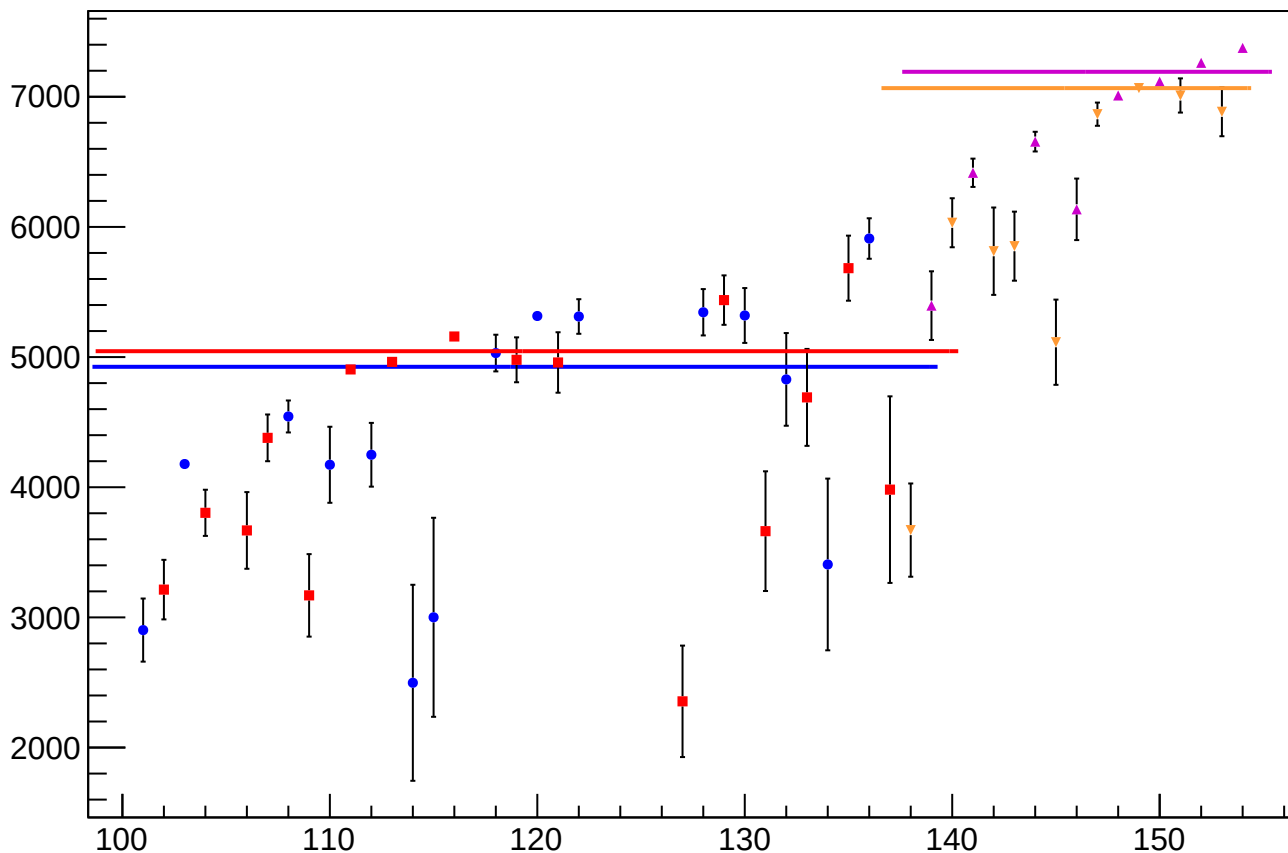
Right: -1694.510 $\pm$ 0.544 χ^2 /NDF: 75266282.5/30

In: -1737.136 $\pm$ 0.630 χ^2 /NDF:91976028.0/22

Out: -2990.659 $\pm$ 0.609 χ^2 /NDF:55823287.7/24

All: -2385.401 $\pm$ 0.438 χ^2 /NDF: 149847928.5

dit_cyclenum_rms vs Slug, Sign Corrected



Right In: 4925.305 $\pm$ 0.939 χ^2 /NDF: 330994.6/14

Left Out: 7066.429 $\pm$ 1.478 χ^2 /NDF:196.7/8

Right Out: 5045.221 $\pm$ 0.668 χ^2 /NDF: 30179.9/15

Left In: 7191.878 $\pm$ 0.849 χ^2 /NDF:26668.4/7

Left: 7160.720 $\pm$ 0.736 χ^2 /NDF: 32283.0/16

Right: 5004.922 $\pm$ 0.544 χ^2 /NDF: 372009.4/30

In: 6171.545 $\pm$ 0.630 χ^2 /NDF:3563330.3/22

Out: 5388.089 $\pm$ 0.609 χ^2 /NDF:1584174.4/24

All: 5766.377 $\pm$ 0.438 χ^2 /NDF: 5947751.2/47

dit_scandata1_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

dit_scandata1_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

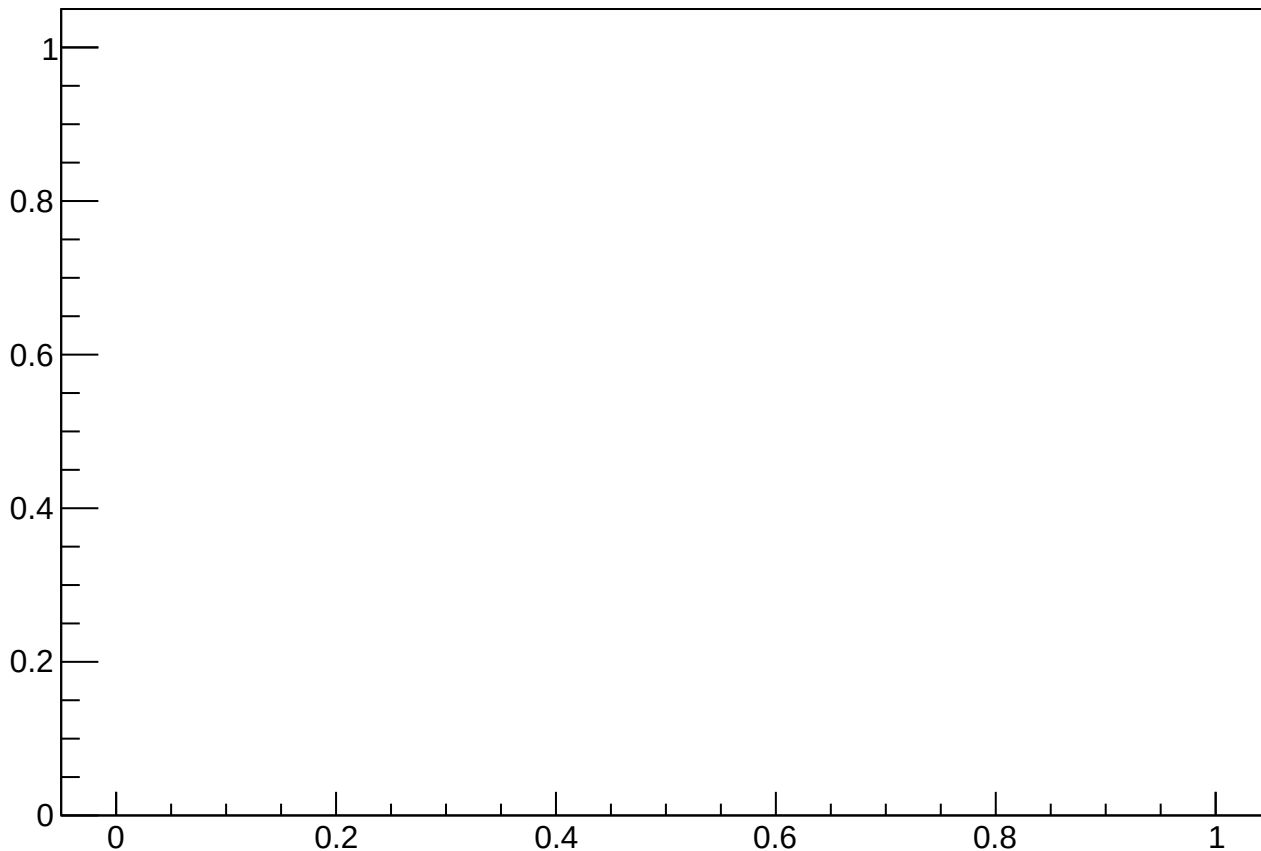
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

dit_scandata2_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

dit_scandata2_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

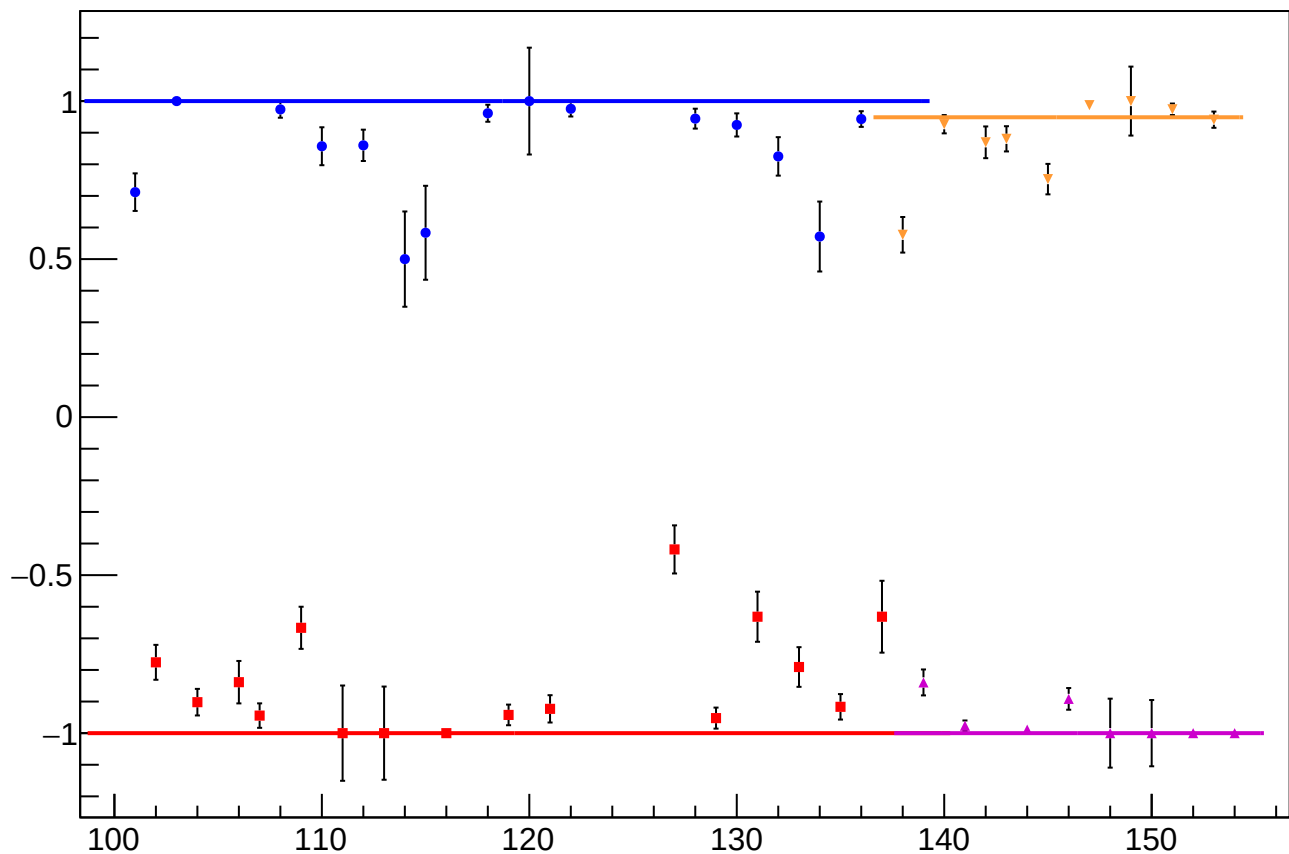
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

dit_flag_mean vs Slug, Sign Corrected



Right In: 1.000 $\pm$ 0.000 χ^2 /NDF: 95.9/14

Left Out: 0.949 $\pm$ 0.009 χ^2 /NDF: 77.3/8

Right Out: -1.000 $\pm$ 0.000 χ^2 /NDF: 168.9/15

Left In: -1.000 $\pm$ 0.000 χ^2 /NDF: 372.3/7

Left: -1.000 $\pm$ 0.000 χ^2 /NDF: 52304.4/16

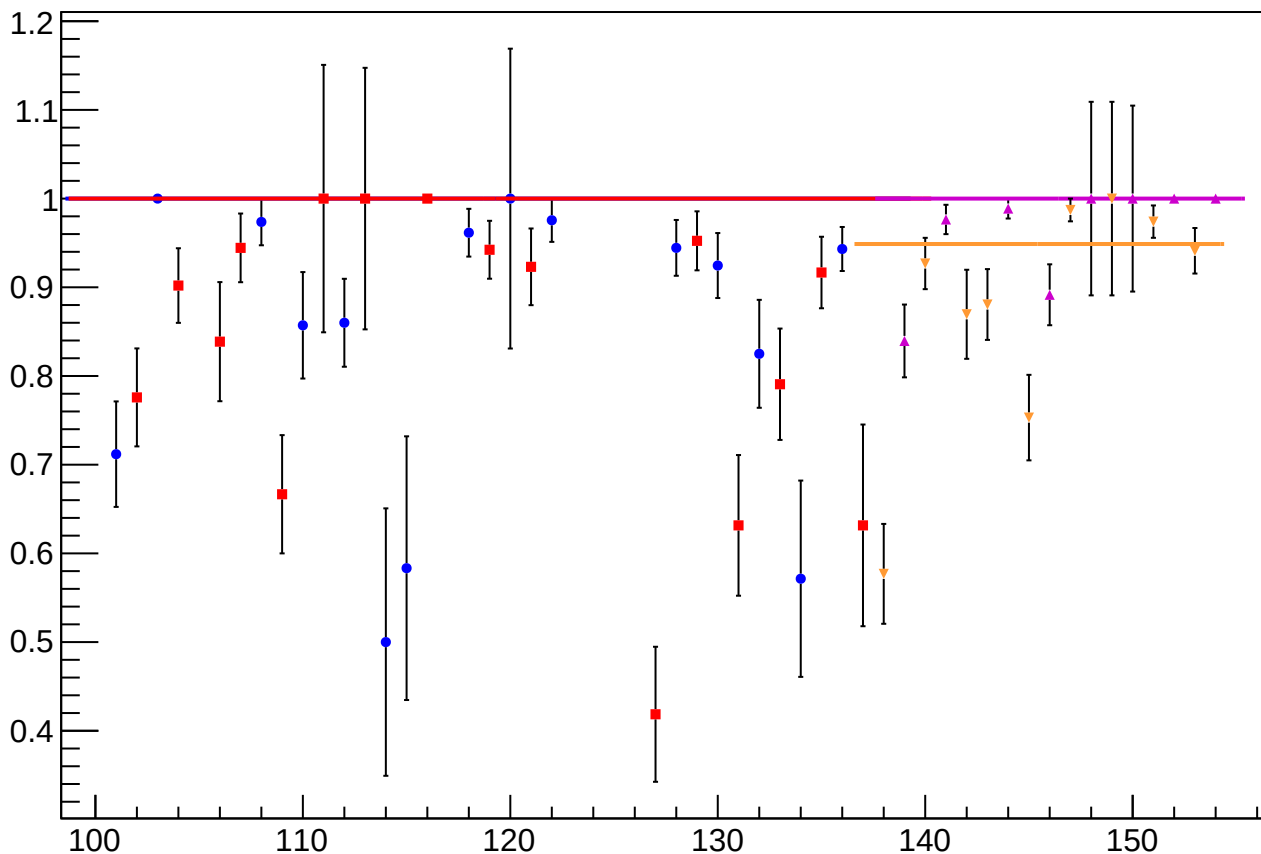
Right: 0.398 $\pm$ 0.000 χ^2 /NDF: 14173250084479480

In: -0.500 $\pm$ 0.000 χ^2 /NDF: 352913927103539123

Out: -1.000 $\pm$ 0.000 χ^2 /NDF: 52100.9/24

All: -0.549 $\pm$ 0.000 χ^2 /NDF: 3643573099538

dit_flag_rms vs Slug, Sign Corrected



Right In: 1.000+/-0.000 χ^2/NDF : 95.9/14

Left Out: 0.949+/-0.009 χ^2/NDF : 77.3/8

Right Out: 1.000+/-0.000 χ^2/NDF : 168.9/15

Left In: 1.000+/-0.000 χ^2/NDF : 372.3/7

Left: 1.000+/-0.000 χ^2/NDF : 485.4/16

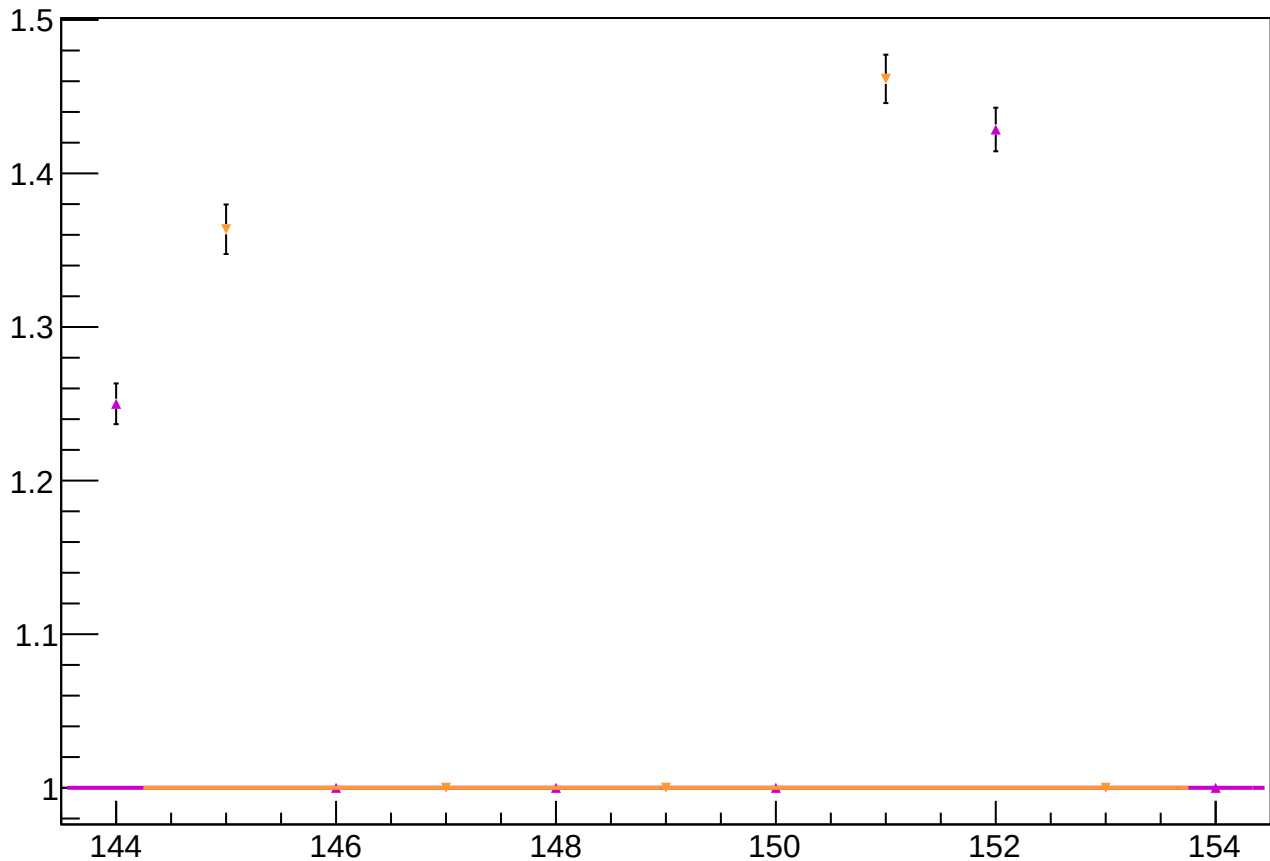
Right: 1.000+/-0.000 χ^2/NDF : 347.8/30

In: 1.000+/-0.000 χ^2/NDF : 468.2/22

Out: 1.000+/-0.000 χ^2/NDF : 281.9/24

All: 1.000+/-0.000 χ^2/NDF : 750.1/47

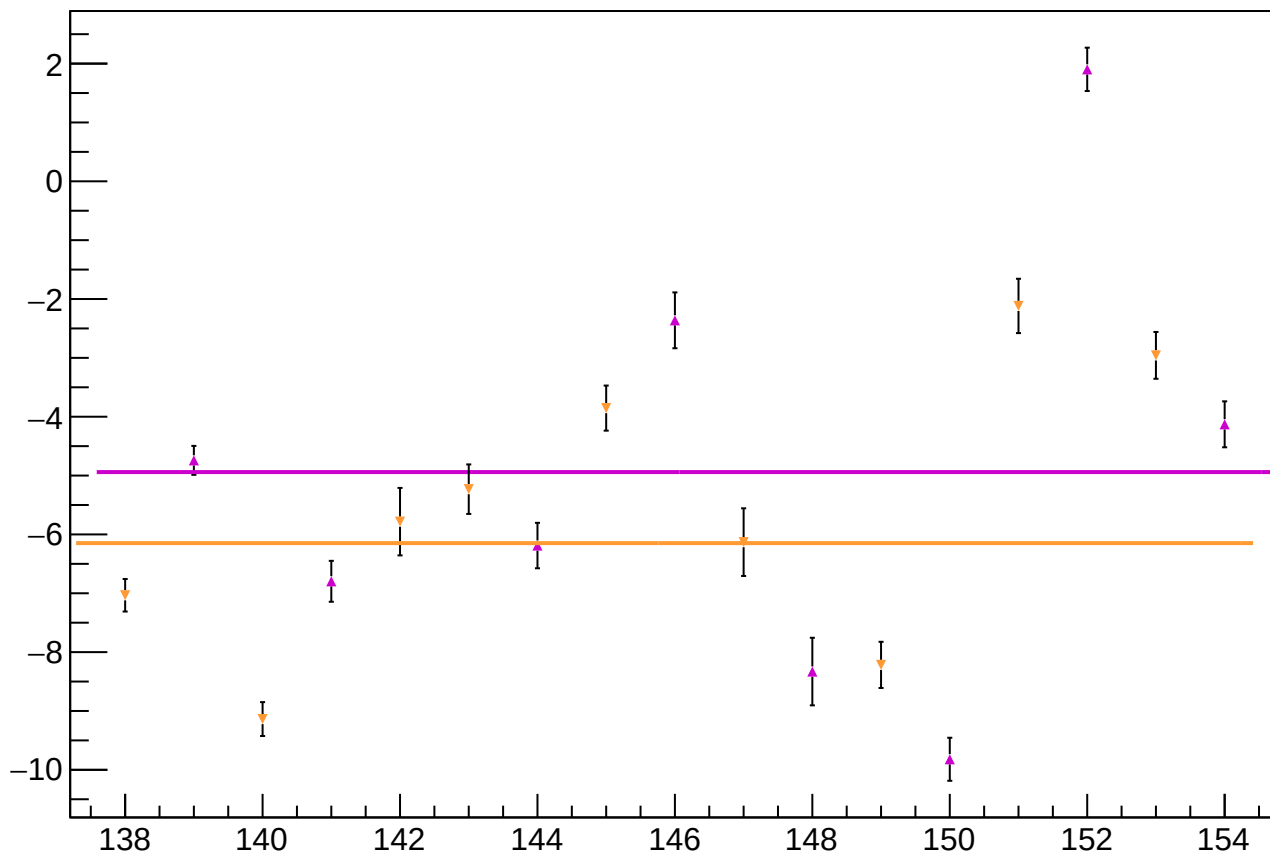
dit_segment_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: 1.000+/-0.000 χ^2/NDF :1611.1/4
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: 1.000+/-0.000 χ^2/NDF :3700.5/5

Left: 1.000+/-0.000 χ^2/NDF : 6976.6/10
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
In: 1.000+/-0.000 χ^2/NDF :3700.5/5
Out: 1.000+/-0.000 χ^2/NDF :1611.1/4
All: 1.000+/-0.000 χ^2/NDF : 6976.6/10

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -6.148+/-0.128 χ^2/NDF : 327.3/8

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

Left In: -4.941+/-0.129 χ^2/NDF : 631.5/7

Left: -5.548+/-0.091 χ^2/NDF : 1003.1/16

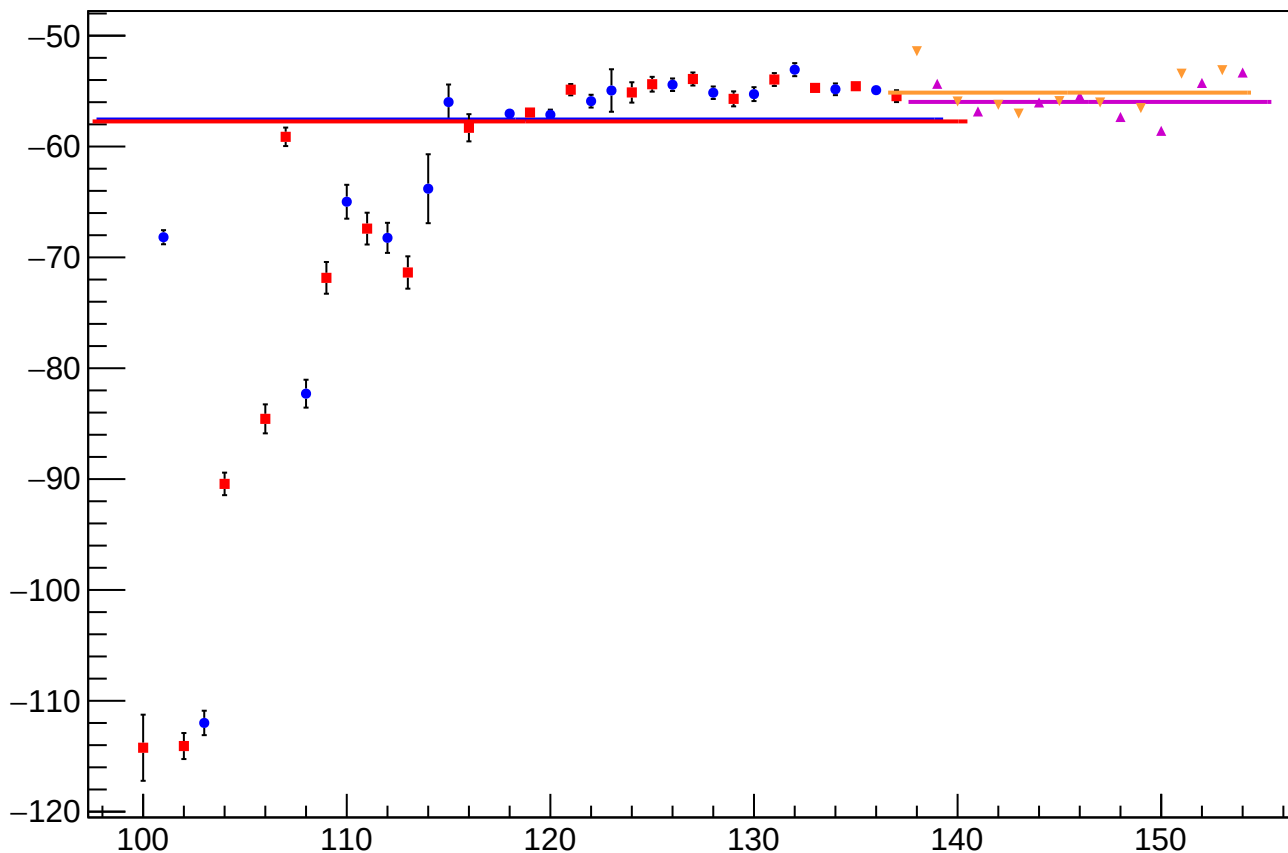
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -4.941+/-0.129 χ^2/NDF : 631.5/7

Out: -6.148+/-0.128 χ^2/NDF : 327.3/8

All: -5.548+/-0.091 χ^2/NDF : 1003.1/16

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.563+/-0.141 χ^2/NDF : 3455.9/16

Left Out: -55.137+/-0.095 χ^2/NDF :333.3/8

Right Out: -57.736+/-0.143 χ^2/NDF : 4698.4/18

Left In: -55.976+/-0.100 χ^2/NDF :296.3/7

Left: -55.536+/-0.069 χ^2/NDF : 666.4/16

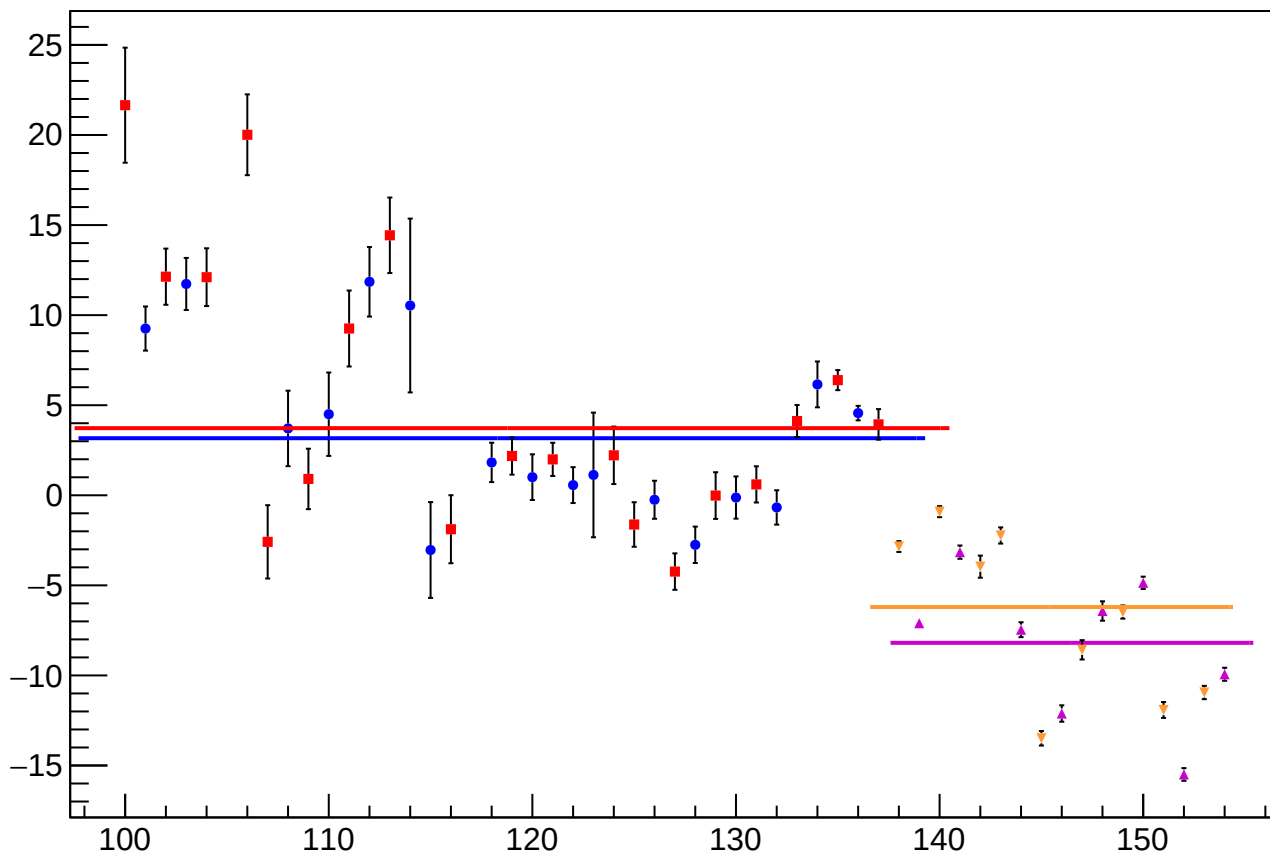
Right: -57.649+/-0.101 χ^2/NDF : 8155.1/35

In: -56.507+/-0.082 χ^2/NDF :3836.0/24

Out: -55.936+/-0.079 χ^2/NDF :5260.4/27

All: -56.213+/-0.057 χ^2/NDF : 9121.4/52

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.168 ± 0.258 χ^2/NDF : 186.2/16

Left Out: -6.203 ± 0.130 χ^2/NDF : 1192.1/8

Right Out: 3.726 ± 0.267 χ^2/NDF : 323.3/18

Left In: -8.191 ± 0.129 χ^2/NDF : 838.2/7

Left: -7.205 ± 0.092 χ^2/NDF : 2147.4/16

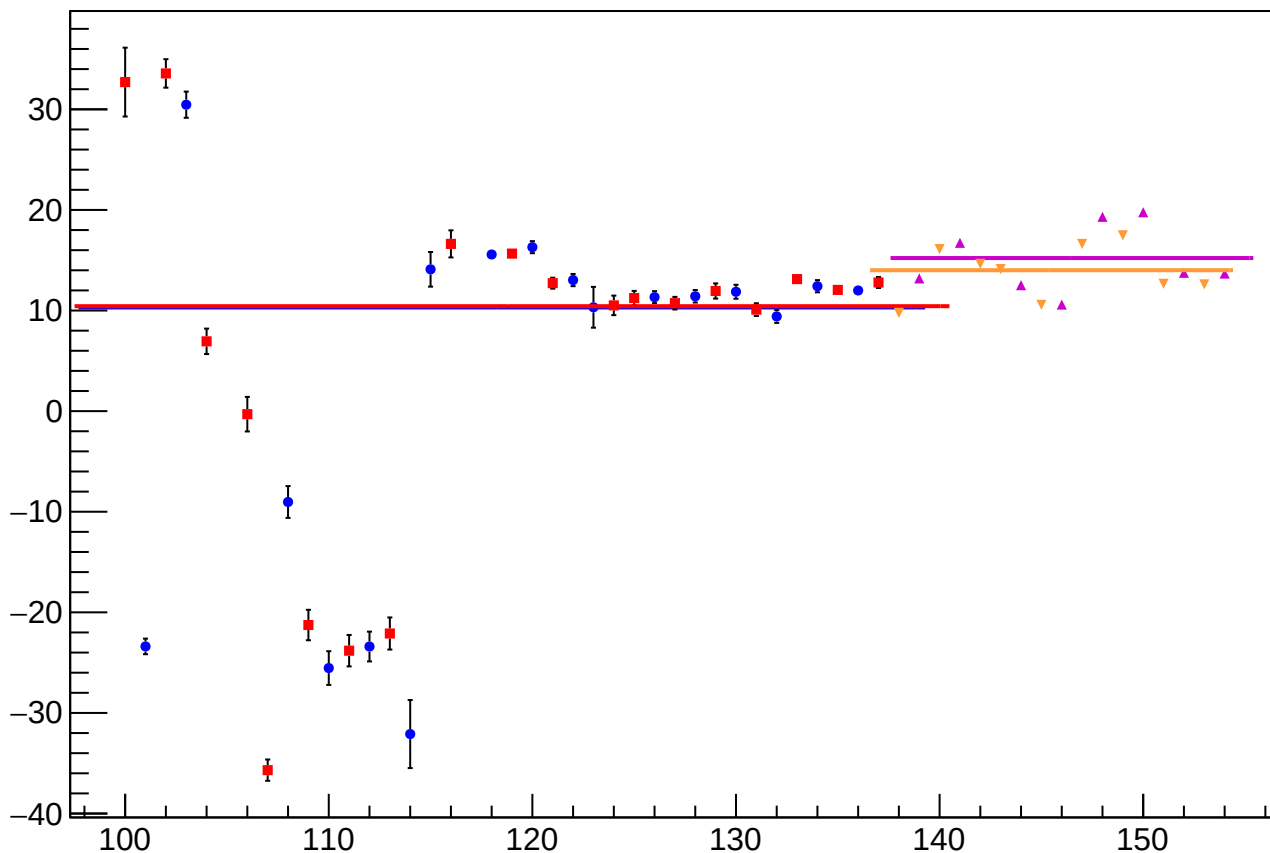
Right: 3.437 ± 0.185 χ^2/NDF : 511.7/35

In: -5.905 ± 0.116 χ^2/NDF : 2575.9/24

Out: -4.292 ± 0.117 χ^2/NDF : 2631.4/27

All: -5.109 ± 0.082 χ^2/NDF : 5303.3/52

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.306+/-0.157 χ^2/NDF : 3712.3/16

Left Out: 14.006+/-0.114 χ^2/NDF : 498.9/8

Right Out: 10.433+/-0.160 χ^2/NDF : 3828.5/18

Left In: 15.218+/-0.119 χ^2/NDF : 666.8/7

Left: 14.589+/-0.082 χ^2/NDF : 1219.9/16

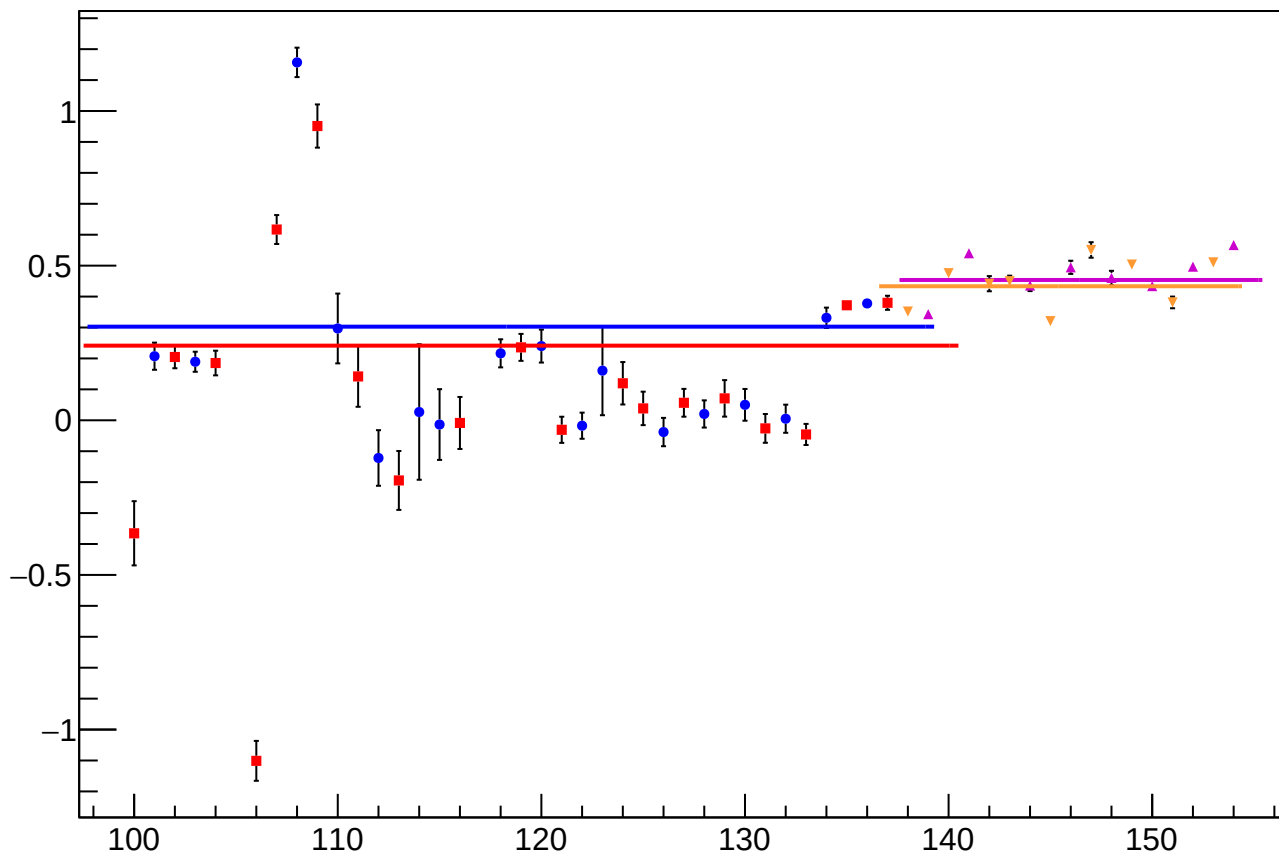
Right: 10.368+/-0.112 χ^2/NDF : 7541.1/35

In: 13.430+/-0.095 χ^2/NDF : 5003.6/24

Out: 12.799+/-0.093 χ^2/NDF : 4658.0/27

All: 13.109+/-0.066 χ^2/NDF : 9684.2/52

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.303 ± 0.008 χ^2/NDF : 646.6/16

Left Out: 0.433 ± 0.005 χ^2/NDF : 195.3/8

Right Out: 0.241 ± 0.008 χ^2/NDF : 986.7/18

Left In: 0.454 ± 0.005 χ^2/NDF : 266.6/7

Left: 0.444 ± 0.004 χ^2/NDF : 469.7/16

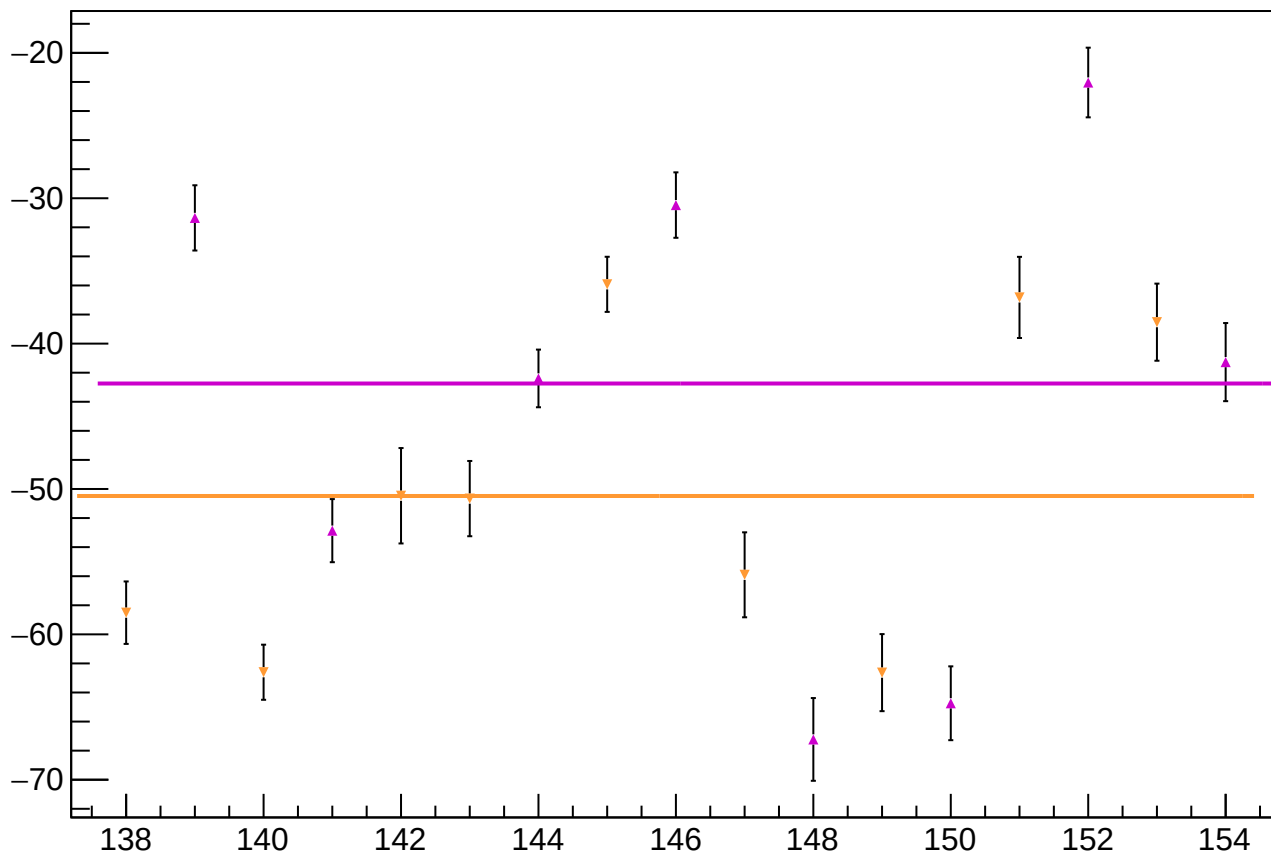
Right: 0.273 ± 0.006 χ^2/NDF : 1660.4/35

In: 0.412 ± 0.004 χ^2/NDF : 1158.9/24

Out: 0.380 ± 0.004 χ^2/NDF : 1551.2/27

All: 0.397 ± 0.003 χ^2/NDF : 2736.7/52

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -50.482+/-0.804 χ^2/NDF :182.6/8

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

Left In: -42.744+/-0.829 χ^2/NDF :301.3/7

Left: -46.732+/-0.577 χ^2/NDF : 528.7/16

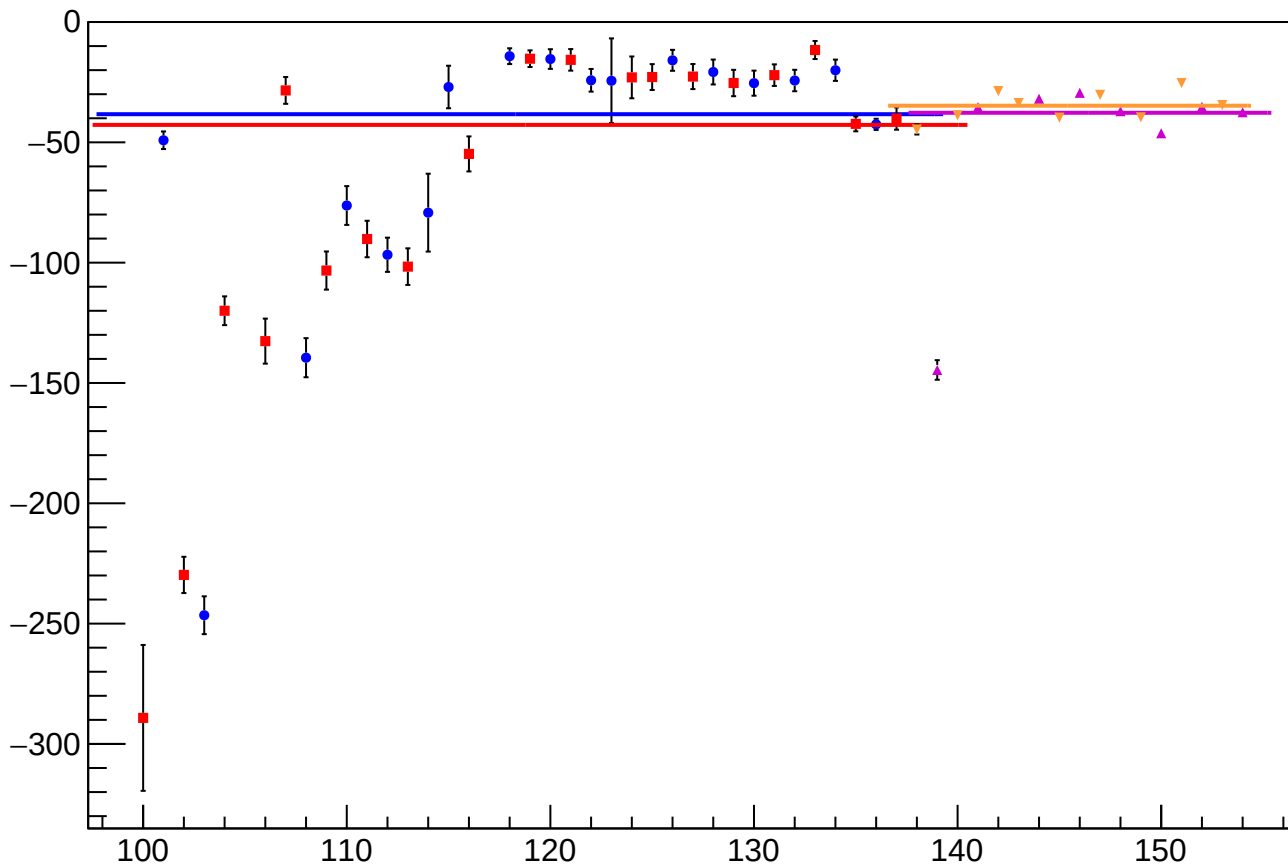
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -42.744+/-0.829 χ^2/NDF :301.3/7

Out: -50.482+/-0.804 χ^2/NDF :182.6/8

All: -46.732+/-0.577 χ^2/NDF : 528.7/16

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -38.309 ± 1.137 $\chi^2/\text{NDF}: 1132.7/16$

Left Out: -34.779 ± 0.563 $\chi^2/\text{NDF}: 99.4/8$

Right Out: -42.756 ± 1.211 $\chi^2/\text{NDF}: 1341.6/18$

Left In: -37.715 ± 0.581 $\chi^2/\text{NDF}: 771.0/7$

Left: -36.201 ± 0.404 $\chi^2/\text{NDF}: 883.5/16$

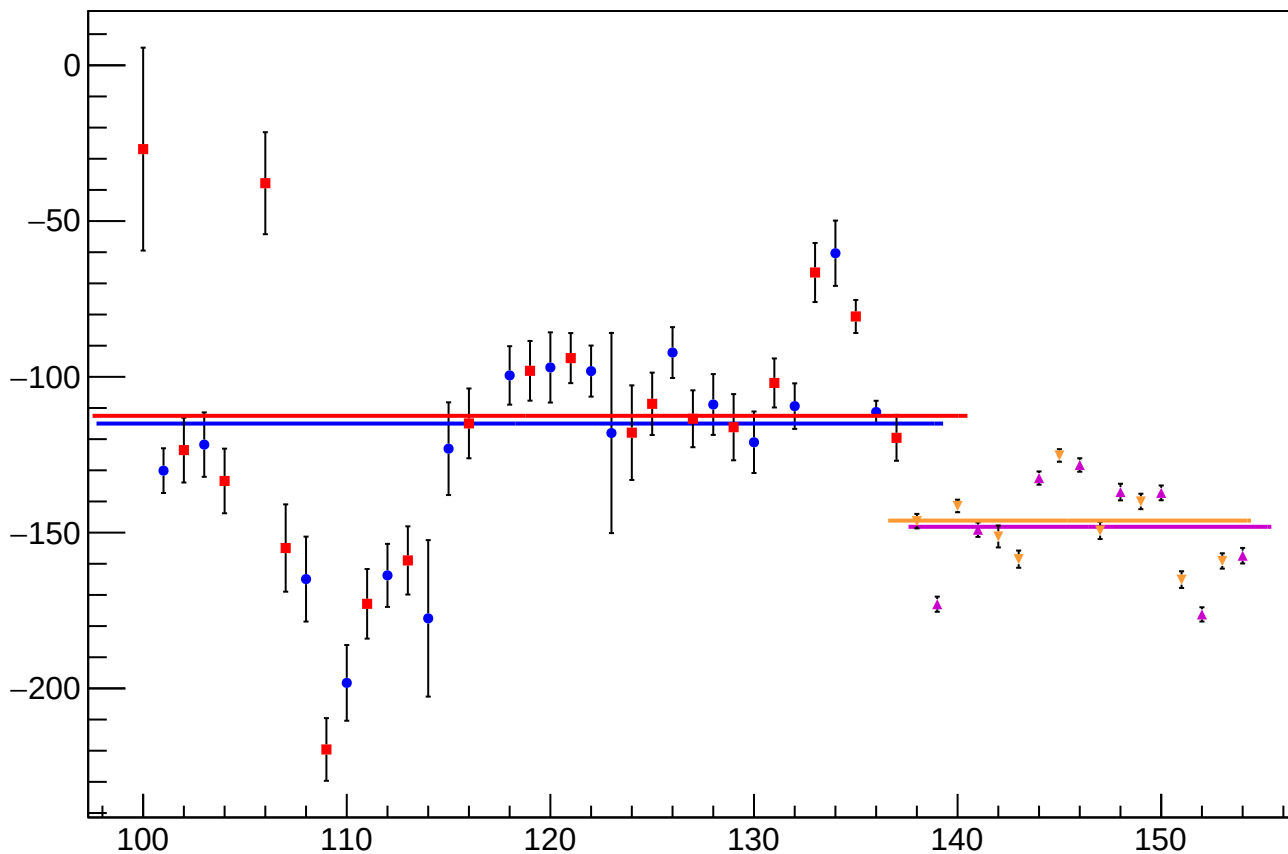
Right: -40.393 ± 0.829 $\chi^2/\text{NDF}: 2481.4/35$

In: -37.838 ± 0.517 $\chi^2/\text{NDF}: 1903.8/24$

Out: -36.197 ± 0.510 $\chi^2/\text{NDF}: 1476.6/27$

All: -37.007 ± 0.363 $\chi^2/\text{NDF}: 3385.6/52$

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -114.996 ± 2.072 $\chi^2/\text{NDF}: 141.8/16$

Left Out: -146.138 ± 0.819 $\chi^2/\text{NDF}: 220.4/8$

Right Out: -112.510 ± 2.207 $\chi^2/\text{NDF}: 273.1/18$

Left In: -148.134 ± 0.827 $\chi^2/\text{NDF}: 446.3/7$

Left: -147.127 ± 0.582 $\chi^2/\text{NDF}: 669.7/16$

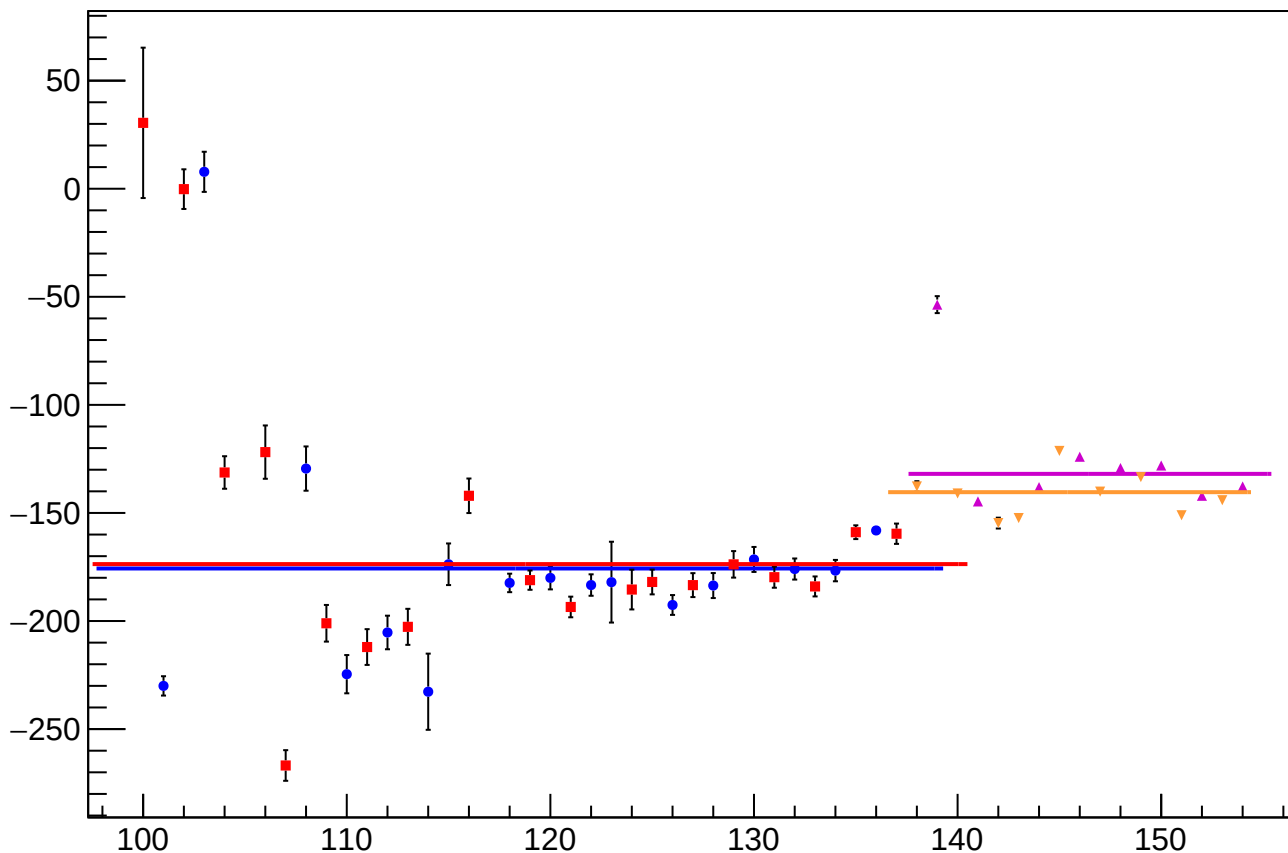
Right: -113.831 ± 1.511 $\chi^2/\text{NDF}: 415.6/35$

In: -143.580 ± 0.768 $\chi^2/\text{NDF}: 808.7/24$

Out: -142.064 ± 0.768 $\chi^2/\text{NDF}: 697.7/27$

All: -142.822 ± 0.543 $\chi^2/\text{NDF}: 1508.3/52$

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -175.696 ± 1.268 χ^2/NDF : 692.9/16

Left Out: -140.387 ± 0.687 χ^2/NDF : 222.3/8

Right Out: -173.666 ± 1.356 χ^2/NDF : 737.7/18

Left In: -131.922 ± 0.707 χ^2/NDF : 515.7/7

Left: -136.277 ± 0.492 χ^2/NDF : 811.8/16

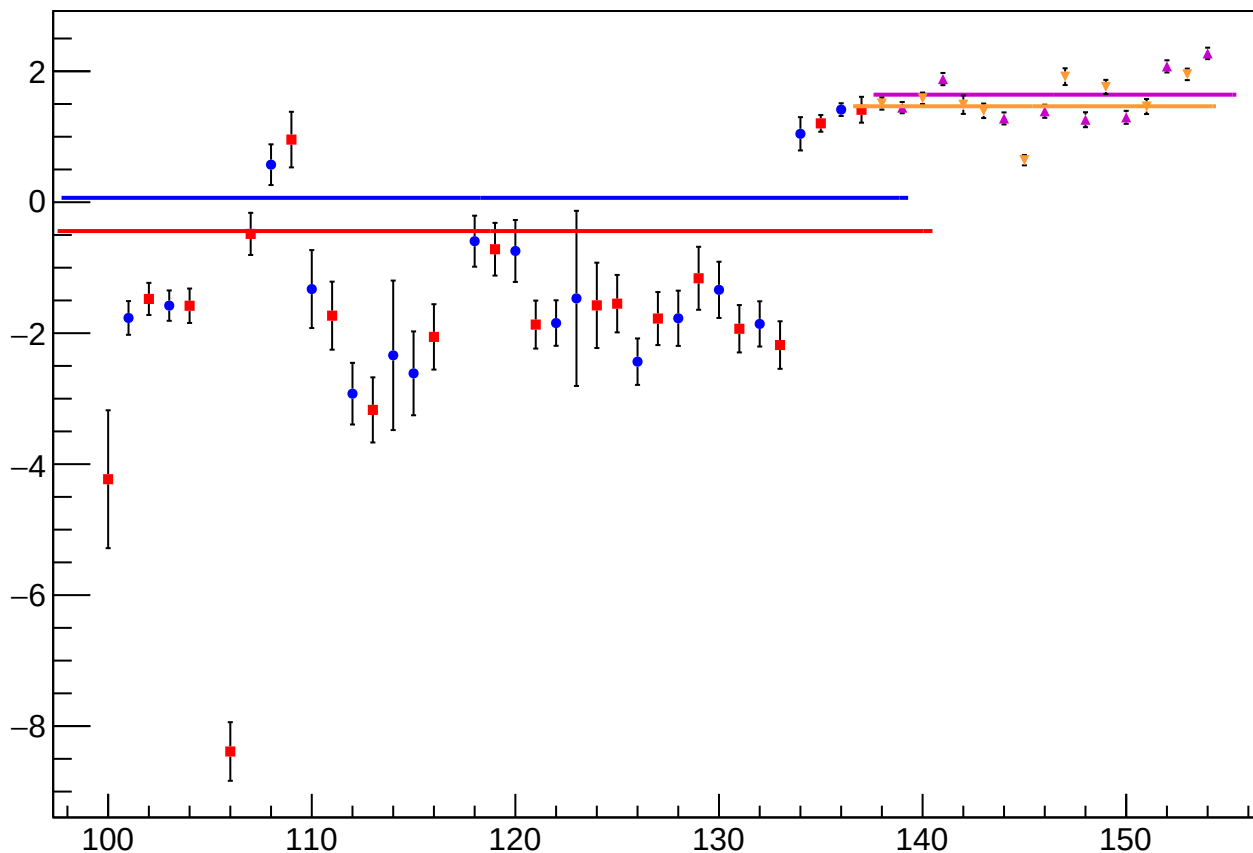
Right: -174.749 ± 0.926 χ^2/NDF : 1431.8/35

In: -142.303 ± 0.617 χ^2/NDF : 2118.4/24

Out: -147.179 ± 0.613 χ^2/NDF : 1439.5/27

All: -144.760 ± 0.435 χ^2/NDF : 3589.3/52

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.067 ± 0.067 χ^2/NDF : 526.1/16

Left Out: 1.465 ± 0.034 χ^2/NDF : 161.5/8

Right Out: -0.440 ± 0.071 χ^2/NDF : 754.9/18

Left In: 1.642 ± 0.034 χ^2/NDF : 130.1/7

Left: 1.554 ± 0.024 χ^2/NDF : 305.5/16

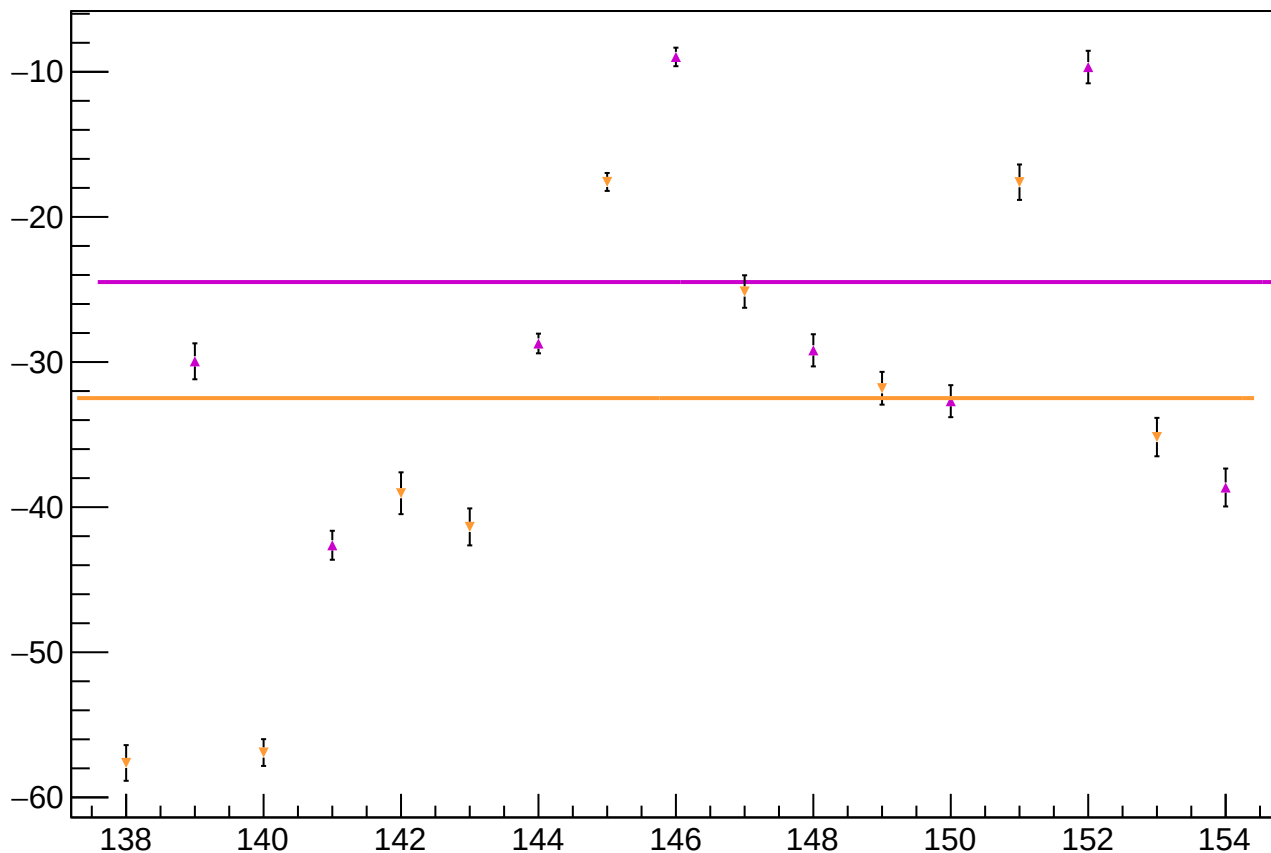
Right: -0.172 ± 0.049 χ^2/NDF : 1308.0/35

In: 1.327 ± 0.030 χ^2/NDF : 1098.8/24

Out: 1.119 ± 0.030 χ^2/NDF : 1503.9/27

All: 1.224 ± 0.021 χ^2/NDF : 2626.5/52

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



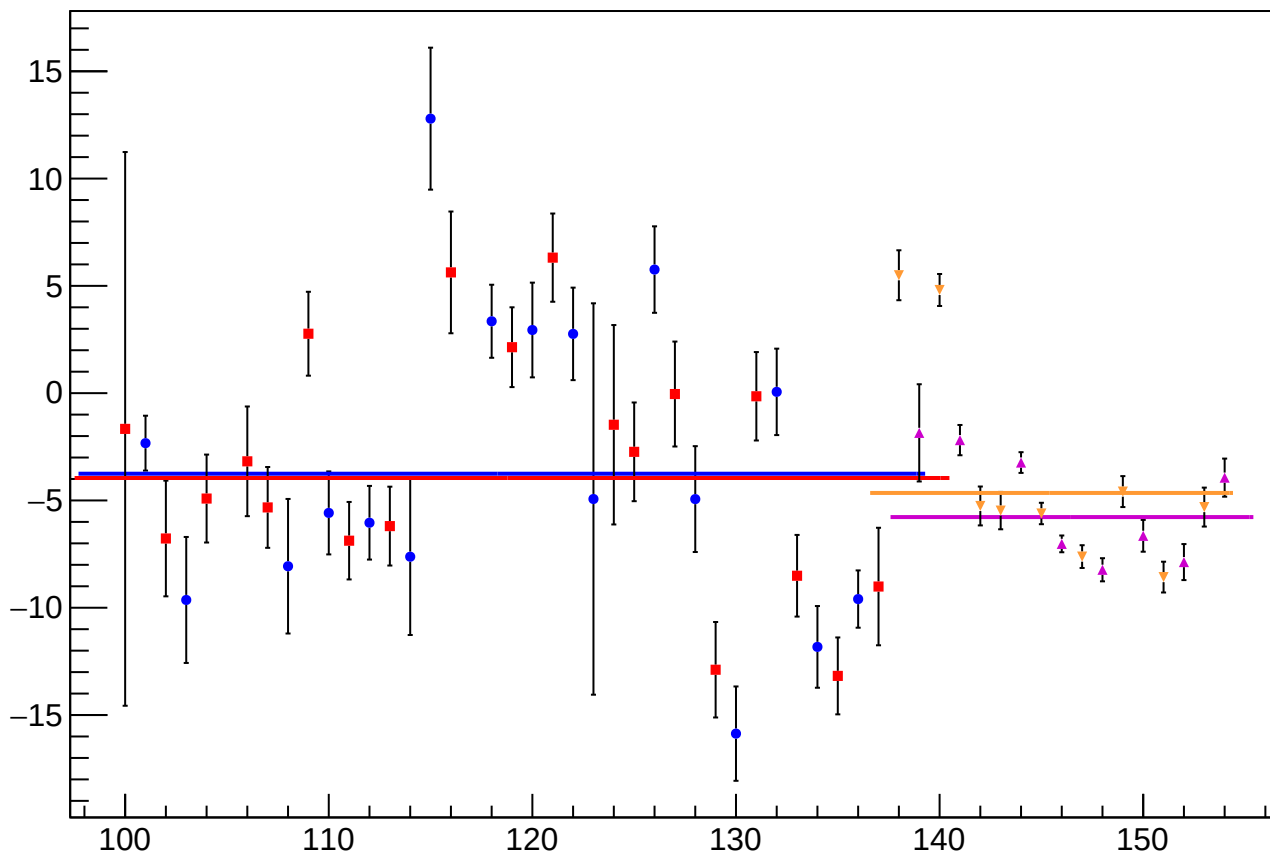
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -32.485+/-0.345 χ^2/NDF :1966.9/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -24.488+/-0.328 χ^2/NDF :1344.3/7

Left: -28.279+/-0.238 χ^2/NDF : 3593.2/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -24.488+/-0.328 χ^2/NDF :1344.3/7
 Out: -32.485+/-0.345 χ^2/NDF :1966.9/8

All: -28.279+/-0.238 χ^2/NDF : 3593.2/16

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.754 ± 0.495 χ^2/NDF : 165.3/16

Left Out: -4.650 ± 0.238 χ^2/NDF : 303.7/8

Right Out: -3.954 ± 0.507 χ^2/NDF : 123.3/18

Left In: -5.775 ± 0.218 χ^2/NDF : 99.5/7

Left: -5.260 ± 0.161 χ^2/NDF : 415.3/16

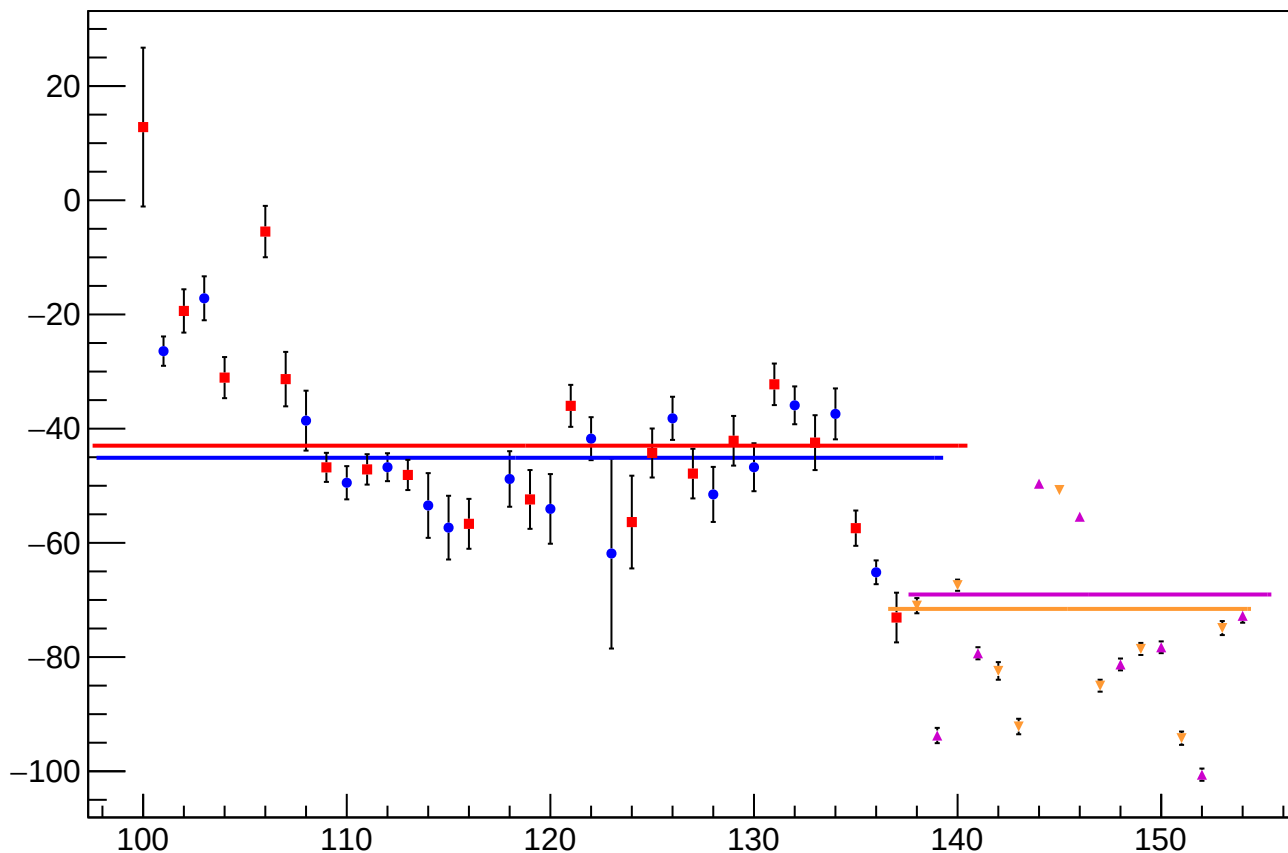
Right: -3.852 ± 0.354 χ^2/NDF : 288.7/35

In: -5.446 ± 0.200 χ^2/NDF : 278.7/24

Out: -4.525 ± 0.215 χ^2/NDF : 428.5/27

All: -5.020 ± 0.146 χ^2/NDF : 717.1/52

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -45.101 ± 0.881 χ^2/NDF : 229.9/16

Left Out: -71.566 ± 0.351 χ^2/NDF : 1897.6/8

Right Out: -42.979 ± 0.877 χ^2/NDF : 248.9/18

Left In: -69.043 ± 0.326 χ^2/NDF : 2734.9/7

Left: -70.210 ± 0.239 χ^2/NDF : 4660.1/16

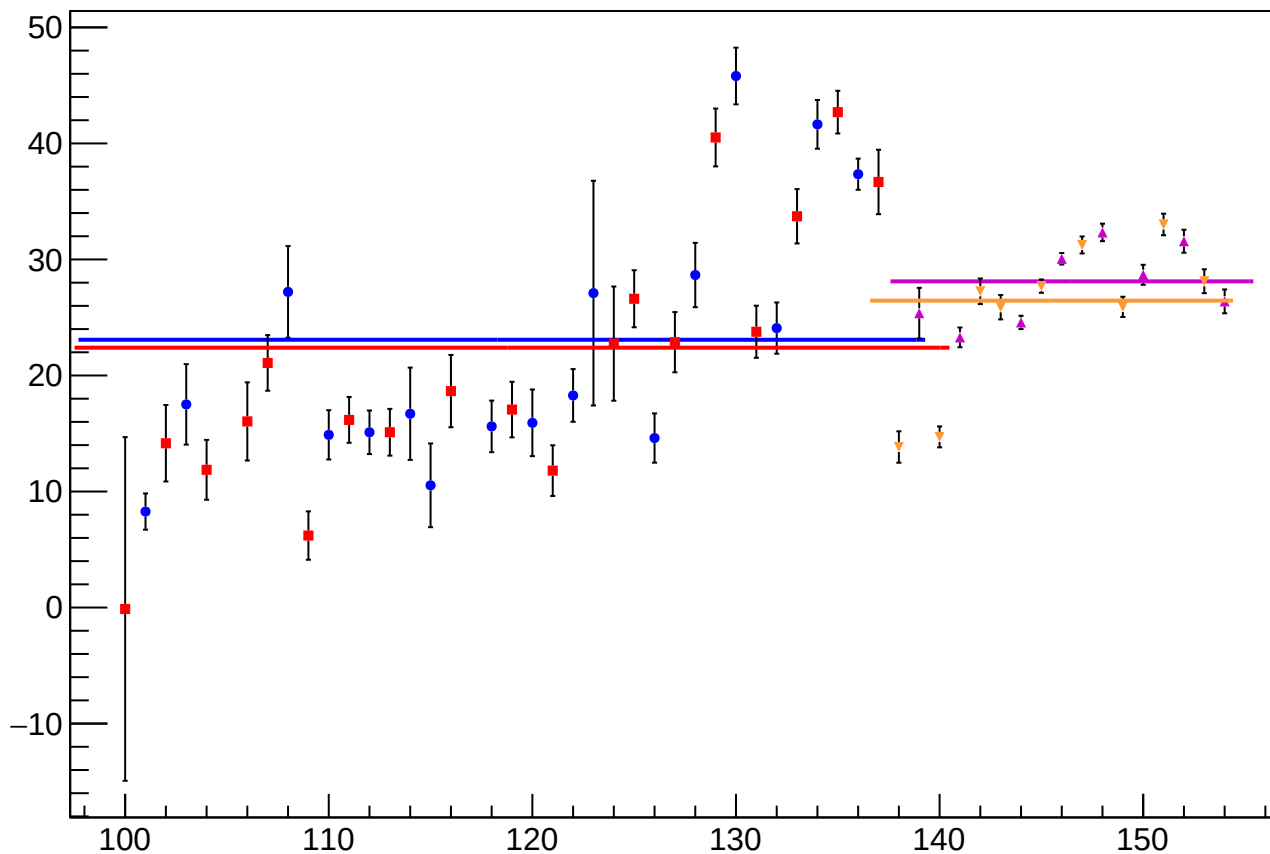
Right: -44.036 ± 0.622 χ^2/NDF : 481.6/35

In: -66.159 ± 0.306 χ^2/NDF : 3614.6/24

Out: -67.612 ± 0.326 χ^2/NDF : 3061.2/27

All: -66.839 ± 0.223 χ^2/NDF : 6686.4/52

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.079+/-0.556 χ^2/NDF : 461.1/16

Left Out: 26.454+/-0.291 χ^2/NDF : 357.8/8

Right Out: 22.397+/-0.572 χ^2/NDF : 370.3/18

Left In: 28.112+/-0.269 χ^2/NDF : 134.0/7

Left: 27.347+/-0.198 χ^2/NDF : 509.3/16

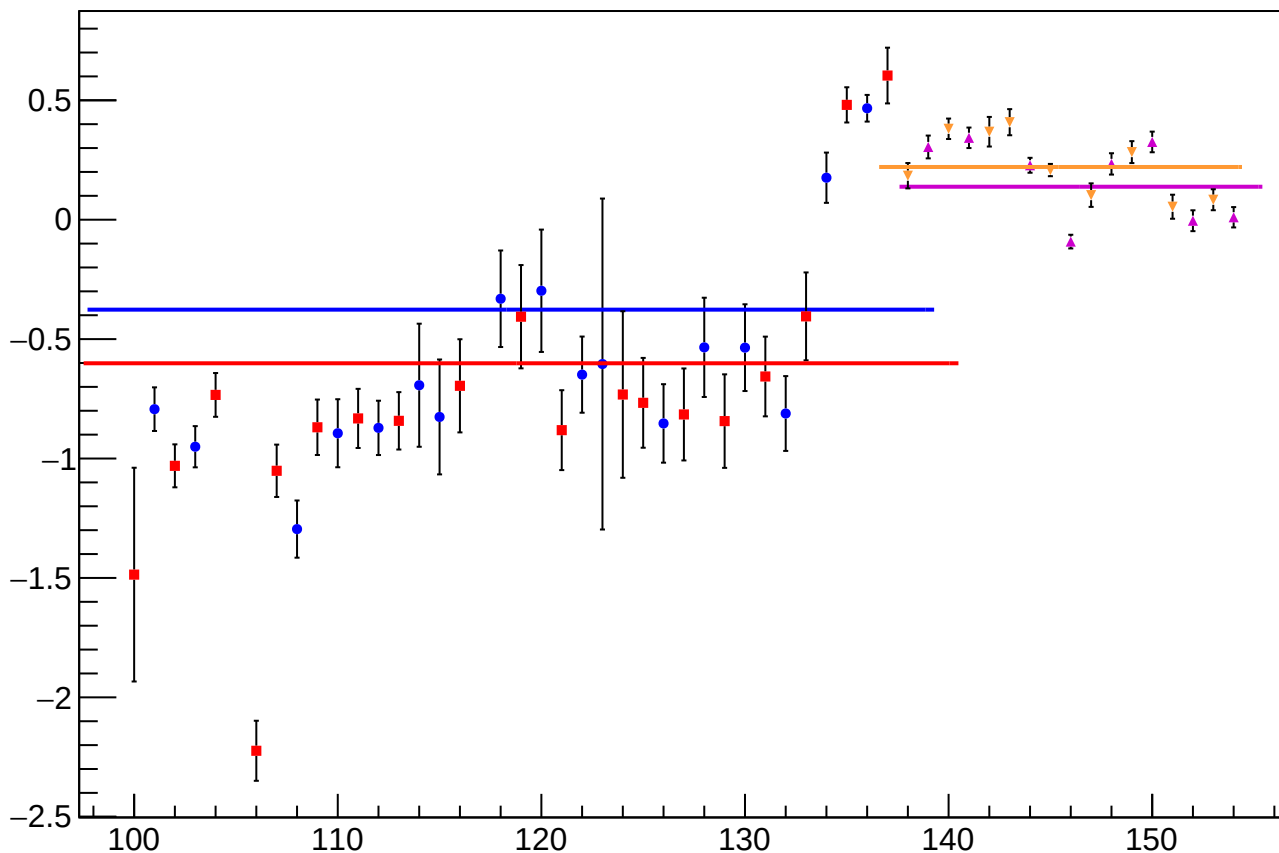
Right: 22.748+/-0.399 χ^2/NDF : 832.1/35

In: 27.155+/-0.242 χ^2/NDF : 661.5/24

Out: 25.621+/-0.259 χ^2/NDF : 768.0/27

All: 26.440+/-0.177 χ^2/NDF : 1448.2/52

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.377 ± 0.030 χ^2/NDF : 437.1/16

Left Out: 0.221 ± 0.014 χ^2/NDF : 60.4/8

Right Out: -0.601 ± 0.030 χ^2/NDF : 555.6/18

Left In: 0.138 ± 0.014 χ^2/NDF : 150.5/7

Left: 0.177 ± 0.010 χ^2/NDF : 228.2/16

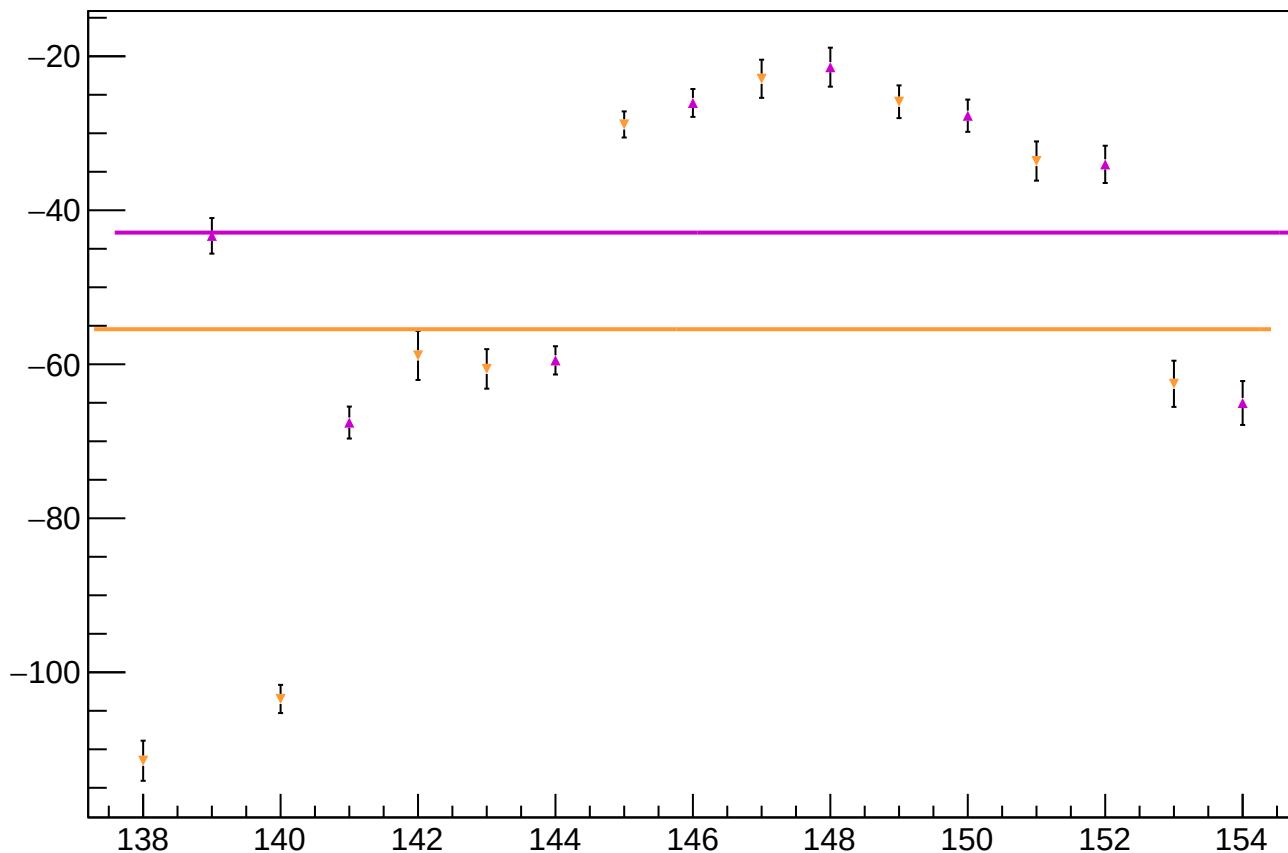
Right: -0.489 ± 0.021 χ^2/NDF : 1020.5/35

In: 0.050 ± 0.012 χ^2/NDF : 830.3/24

Out: 0.068 ± 0.013 χ^2/NDF : 1220.0/27

All: 0.058 ± 0.009 χ^2/NDF : 2051.3/52

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



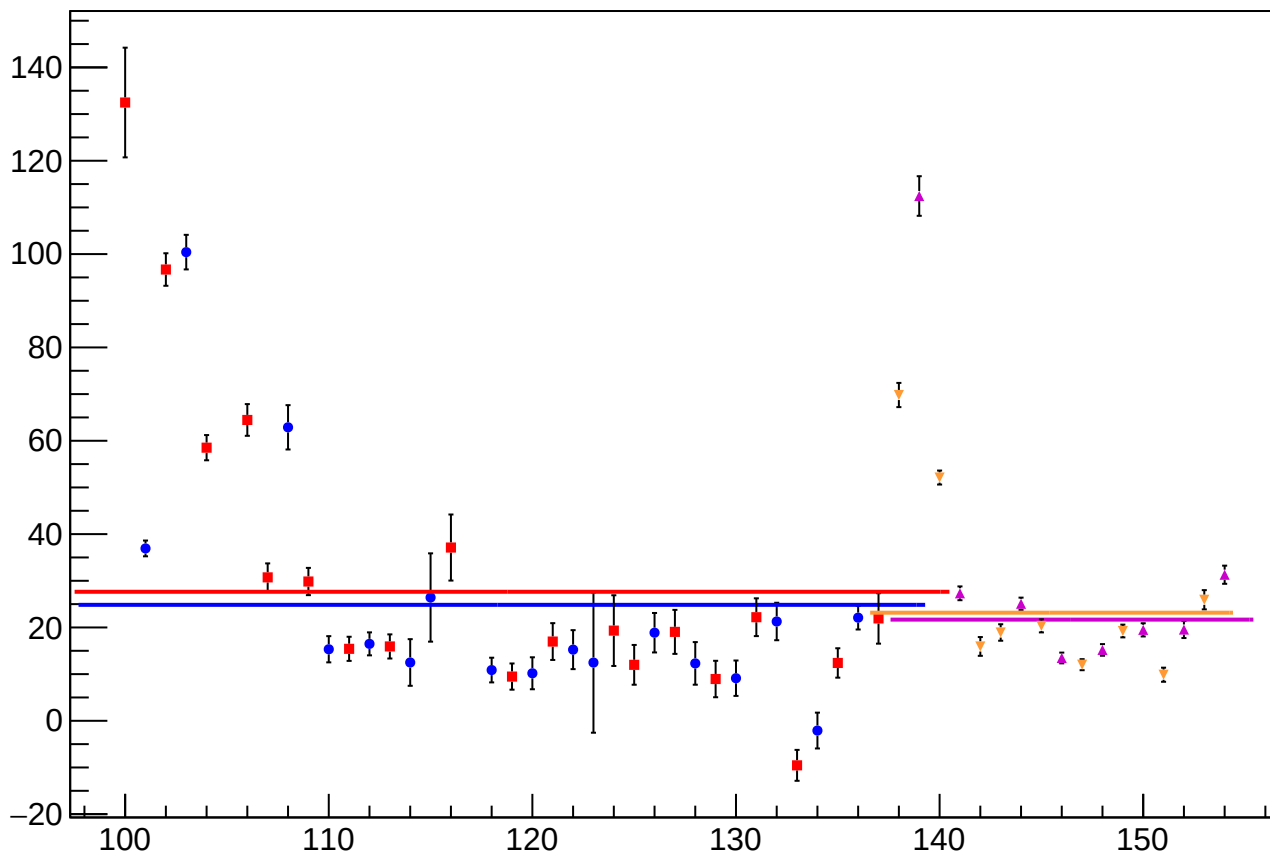
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -55.444+/-0.768 χ^2/NDF :1845.8/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -42.899+/-0.767 χ^2/NDF :507.9/7

Left: -49.161+/-0.543 χ^2/NDF : 2487.2/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -42.899+/-0.767 χ^2/NDF :507.9/7
 Out: -55.444+/-0.768 χ^2/NDF :1845.8/8

All: -49.161+/-0.543 χ^2/NDF : 2487.2/16

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 24.848 $\pm$ 0.801 χ^2 /NDF: 690.8/16

Left Out: 23.167 $\pm$ 0.527 χ^2 /NDF: 895.3/8

Right Out: 27.648 $\pm$ 0.810 χ^2 /NDF: 1009.2/18

Left In: 21.680 $\pm$ 0.530 χ^2 /NDF: 585.5/7

Left: 22.427 $\pm$ 0.374 χ^2 /NDF: 1484.8/16

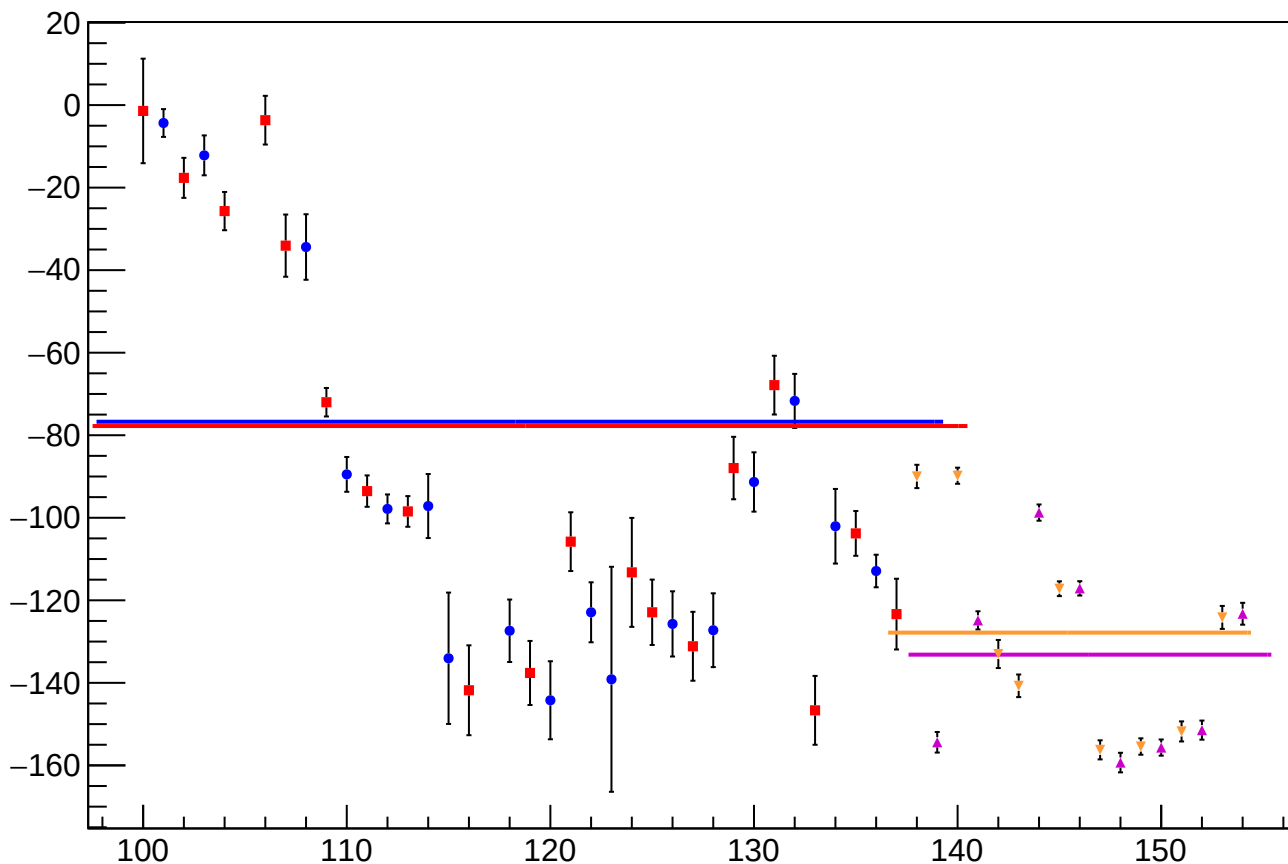
Right: 26.231 $\pm$ 0.570 χ^2 /NDF: 1706.0/35

In: 22.645 $\pm$ 0.442 χ^2 /NDF: 1287.2/24

Out: 24.500 $\pm$ 0.442 χ^2 /NDF: 1926.0/27

All: 23.572 $\pm$ 0.313 χ^2 /NDF: 3222.0/52

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.728 ± 1.412 χ^2/NDF : 1042.0/16

Left Out: -127.830 ± 0.777 χ^2/NDF : 1061.2/8

Right Out: -77.773 ± 1.352 χ^2/NDF : 871.8/18

Left In: -133.170 ± 0.762 χ^2/NDF : 808.0/7

Left: -130.551 ± 0.544 χ^2/NDF : 1893.3/16

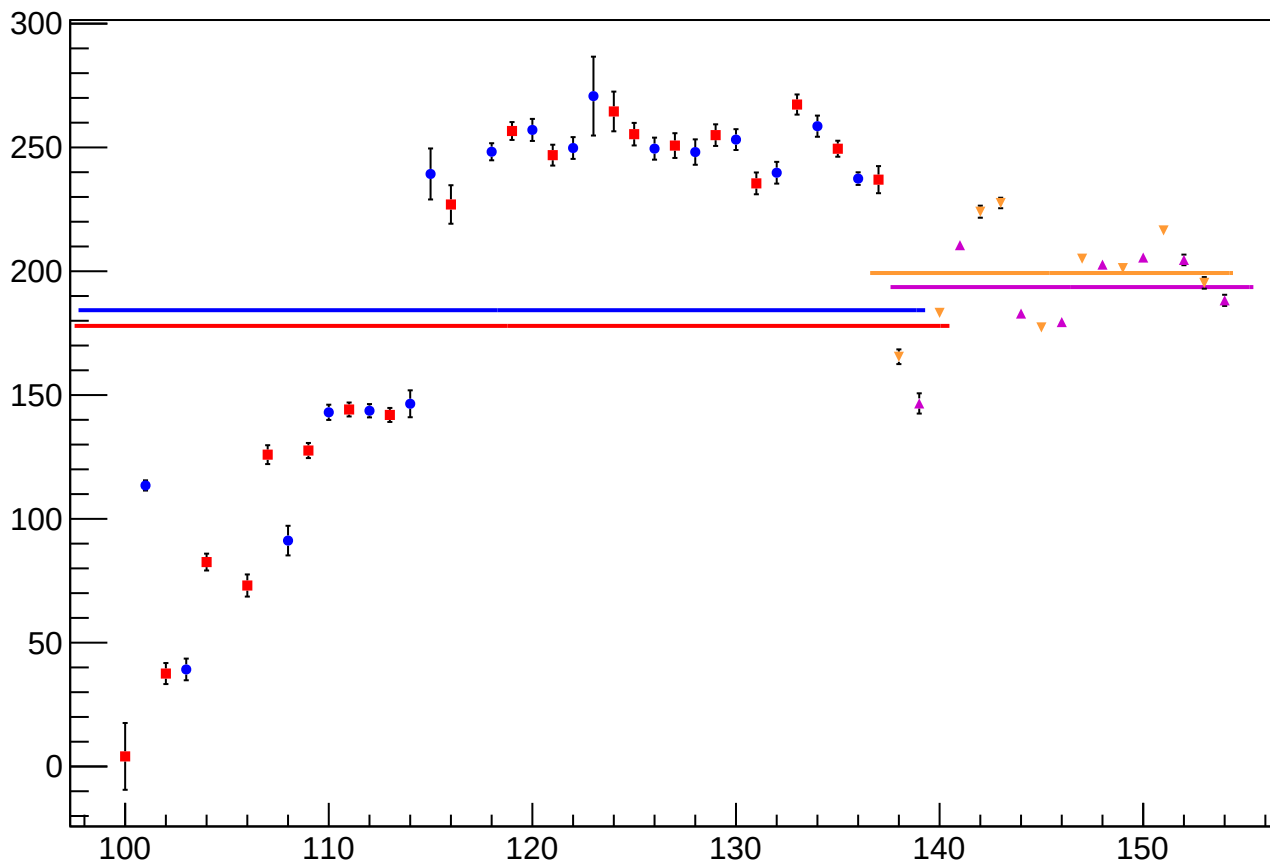
Right: -77.273 ± 0.977 χ^2/NDF : 1914.1/35

In: -120.443 ± 0.671 χ^2/NDF : 3087.2/24

Out: -115.412 ± 0.674 χ^2/NDF : 2963.3/27

All: -117.938 ± 0.475 χ^2/NDF : 6078.5/52

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 184.271+/-0.914 χ^2/NDF : 5401.0/16

Left Out: 199.288+/-0.646 χ^2/NDF : 773.0/8

Right Out: 177.930+/-0.924 χ^2/NDF : 6330.9/18

Left In: 193.611+/-0.646 χ^2/NDF : 479.7/7

Left: 196.447+/-0.457 χ^2/NDF : 1291.3/16

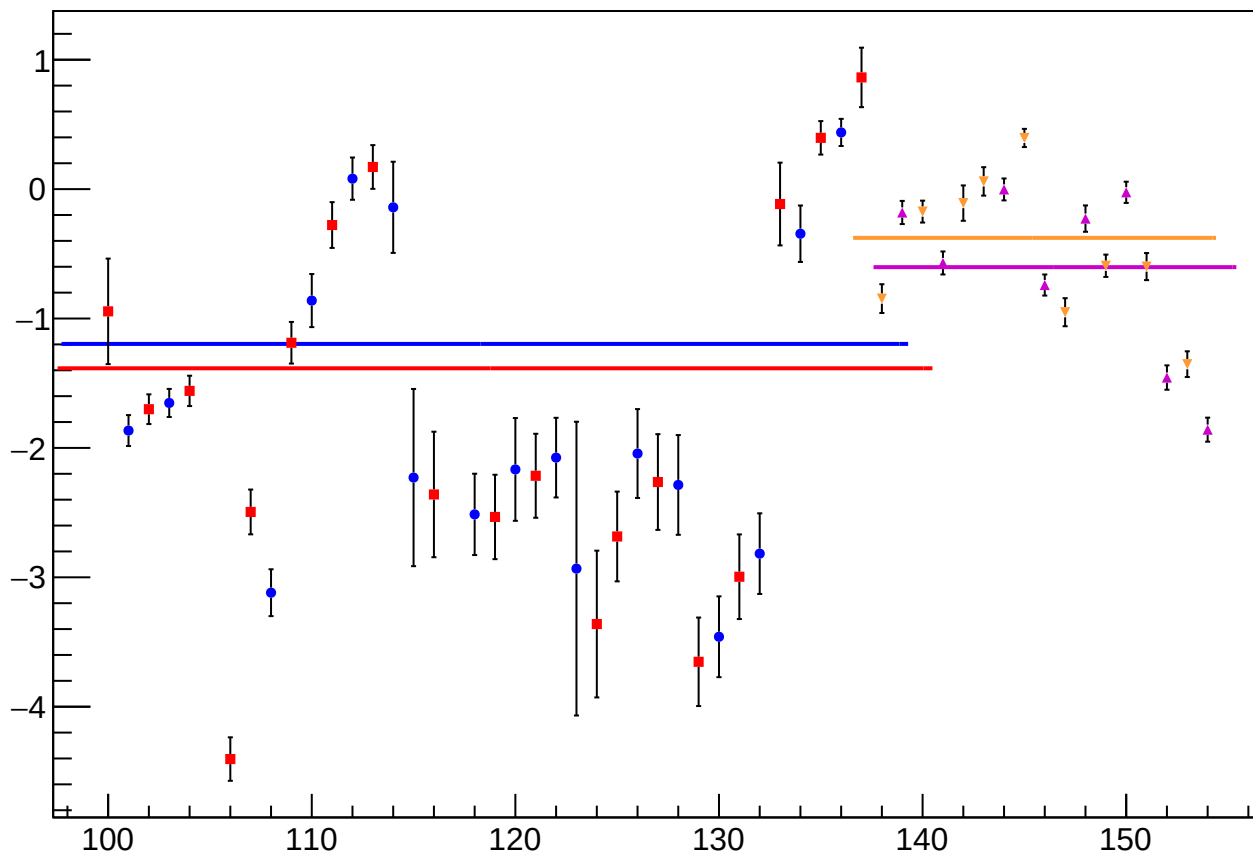
Right: 181.136+/-0.650 χ^2/NDF : 11755.7/35

In: 190.501+/-0.527 χ^2/NDF : 5950.4/24

Out: 192.272+/-0.530 χ^2/NDF : 7462.7/27

All: 191.383+/-0.374 χ^2/NDF : 13418.8/52

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.196 ± 0.048 χ^2/NDF : 623.1/16

Left Out: -0.377 ± 0.032 χ^2/NDF : 298.9/8

Right Out: -1.385 ± 0.046 χ^2/NDF : 924.4/18

Left In: -0.603 ± 0.031 χ^2/NDF : 403.9/7

Left: -0.492 ± 0.022 χ^2/NDF : 728.1/16

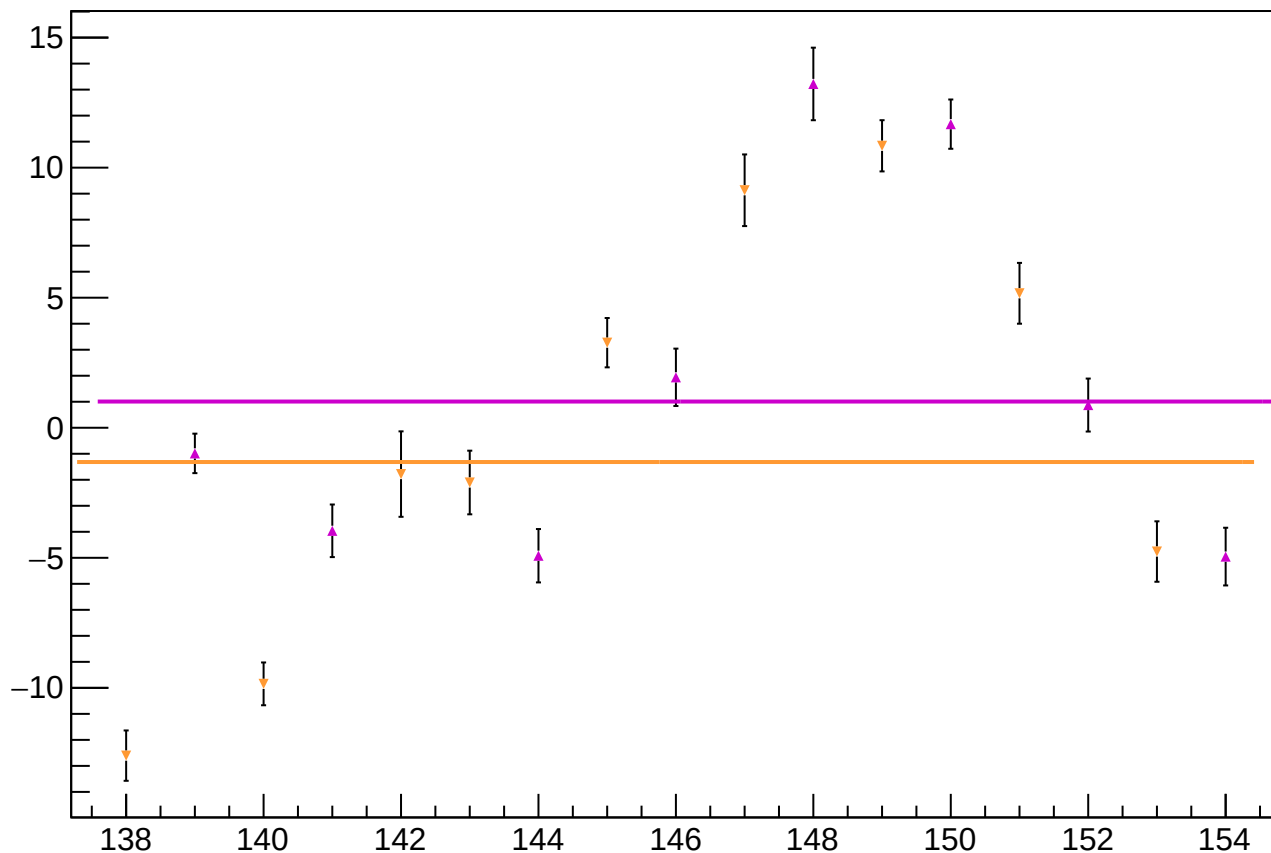
Right: -1.295 ± 0.033 χ^2/NDF : 1555.6/35

In: -0.780 ± 0.026 χ^2/NDF : 1133.7/24

Out: -0.709 ± 0.026 χ^2/NDF : 1548.5/27

All: -0.744 ± 0.019 χ^2/NDF : 2685.9/52

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -1.317+/-0.360 χ^2/NDF : 517.1/8

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

Left In: 1.008+/-0.356 χ^2/NDF : 297.5/7

Left: -0.142+/-0.253 χ^2/NDF : 835.6/16

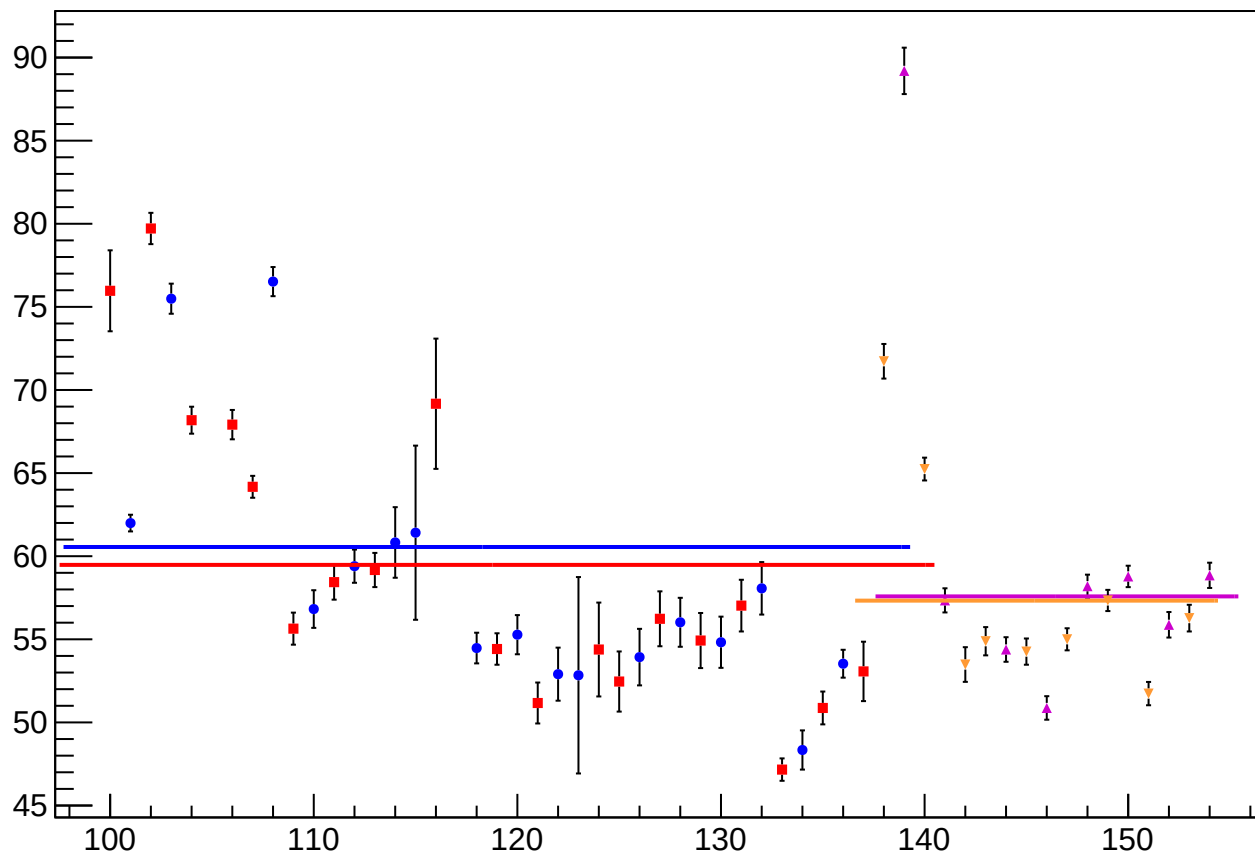
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1.008+/-0.356 χ^2/NDF : 297.5/7

Out: -1.317+/-0.360 χ^2/NDF : 517.1/8

All: -0.142+/-0.253 χ^2/NDF : 835.6/16

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 60.554 $\pm$ 0.262 χ^2 /NDF: 930.8/16

Left Out: 57.327 $\pm$ 0.256 χ^2 /NDF: 438.8/8

Right Out: 59.477 $\pm$ 0.248 χ^2 /NDF: 1317.0/18

Left In: 57.581 $\pm$ 0.266 χ^2 /NDF: 633.6/7

Left: 57.449 $\pm$ 0.184 χ^2 /NDF: 1072.8/16

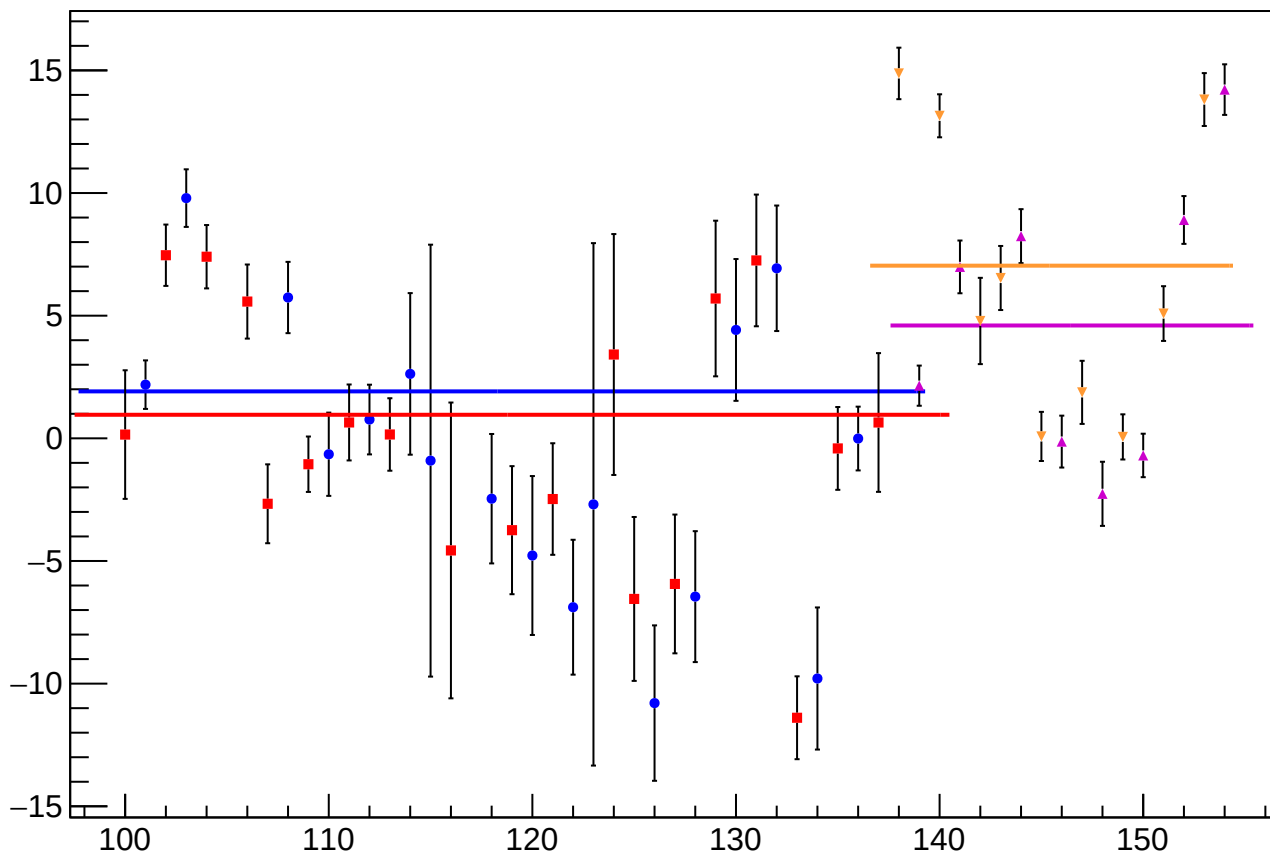
Right: 59.987 $\pm$ 0.180 χ^2 /NDF: 2256.7/35

In: 59.092 $\pm$ 0.186 χ^2 /NDF: 1627.9/24

Out: 58.436 $\pm$ 0.178 χ^2 /NDF: 1792.2/27

All: 58.749 $\pm$ 0.129 χ^2 /NDF: 3426.5/52

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.914 ± 0.458 $\chi^2/\text{NDF}: 121.6/16$

Left Out: 7.039 ± 0.364 $\chi^2/\text{NDF}: 270.5/8$

Right Out: 0.960 ± 0.424 $\chi^2/\text{NDF}: 149.5/18$

Left In: 4.600 ± 0.355 $\chi^2/\text{NDF}: 214.6/7$

Left: 5.791 ± 0.254 $\chi^2/\text{NDF}: 508.2/16$

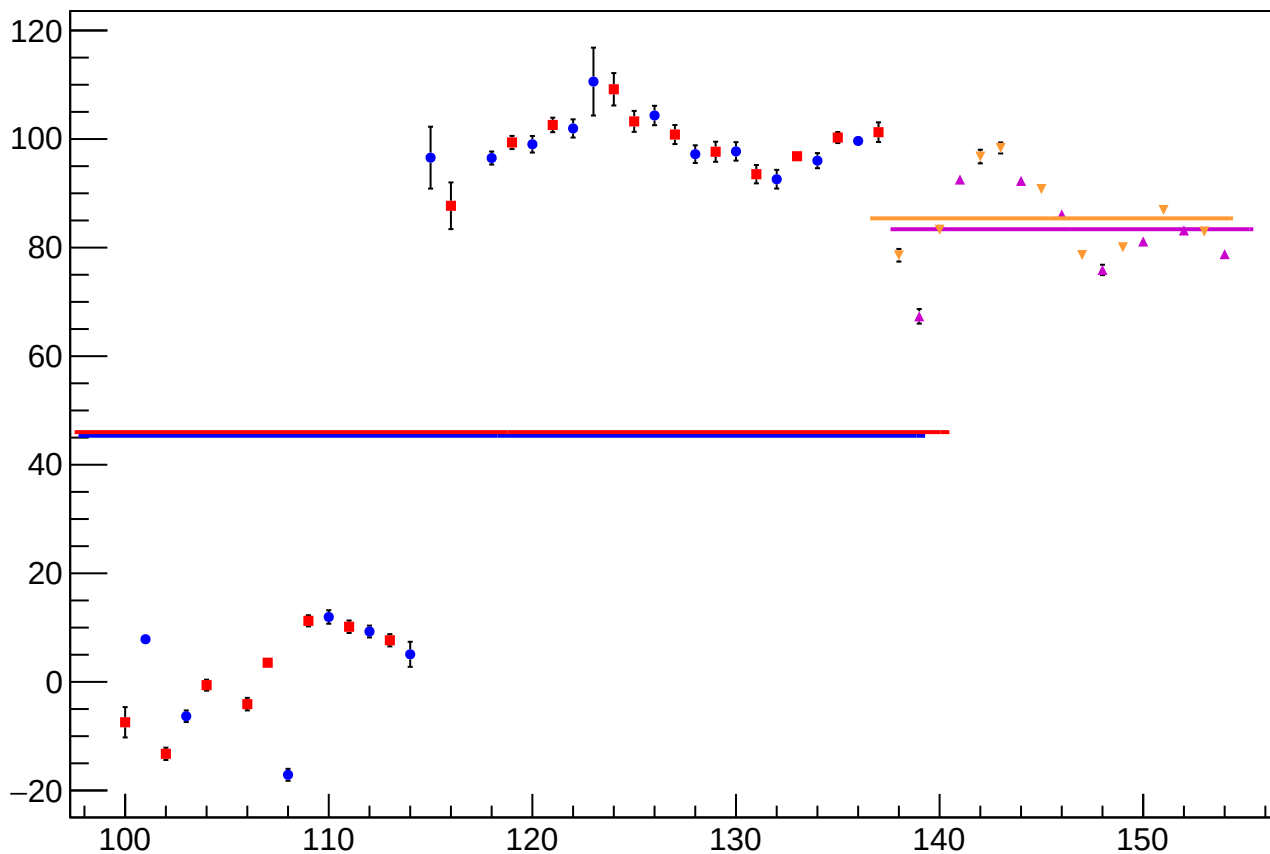
Right: 1.401 ± 0.311 $\chi^2/\text{NDF}: 273.4/35$

In: 3.591 ± 0.281 $\chi^2/\text{NDF}: 357.8/24$

Out: 4.464 ± 0.276 $\chi^2/\text{NDF}: 538.4/27$

All: 4.035 ± 0.197 $\chi^2/\text{NDF}: 901.0/52$

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 45.344 $\pm$ 0.303 χ^2 /NDF: 25071.0/16

Left Out: 85.391 $\pm$ 0.310 χ^2 /NDF:434.0/8

Right Out: 46.007 $\pm$ 0.289 χ^2 /NDF: 28219.9/18

Left In: 83.387 $\pm$ 0.318 χ^2 /NDF:464.7/7

Left: 84.413 $\pm$ 0.222 χ^2 /NDF: 919.1/16

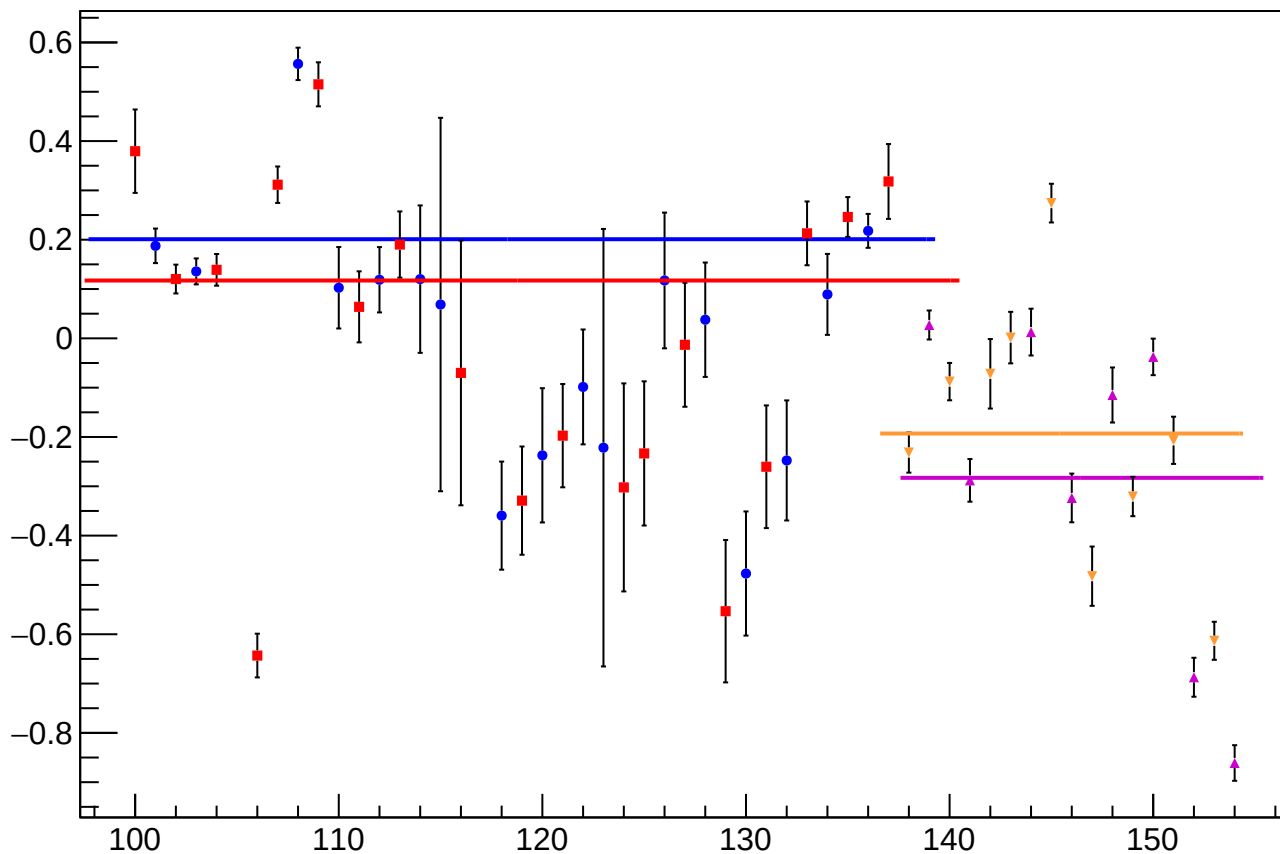
Right: 45.691 $\pm$ 0.209 χ^2 /NDF: 53293.4/35

In: 63.483 $\pm$ 0.219 χ^2 /NDF:33040.1/24

Out: 64.350 $\pm$ 0.212 χ^2 /NDF:37275.8/27

All: 63.932 $\pm$ 0.152 χ^2 /NDF: 70324.1/52

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 ± 0.014 χ^2/NDF : 217.8/16

Left Out: -0.193 ± 0.015 χ^2/NDF : 319.5/8

Right Out: 0.117 ± 0.013 χ^2/NDF : 500.1/18

Left In: -0.283 ± 0.014 χ^2/NDF : 564.5/7

Left: -0.240 ± 0.010 χ^2/NDF : 903.2/16

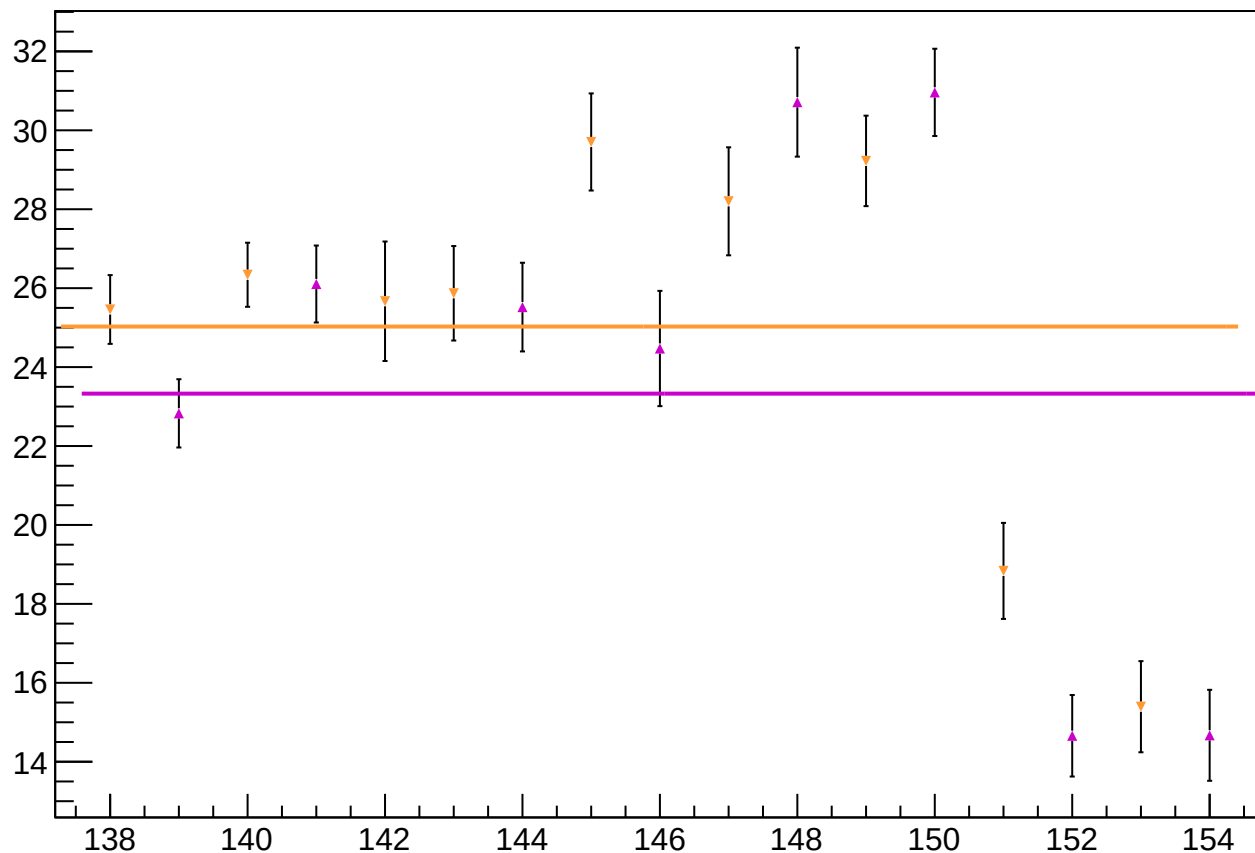
Right: 0.156 ± 0.010 χ^2/NDF : 737.1/35

In: -0.039 ± 0.010 χ^2/NDF : 1372.3/24

Out: -0.017 ± 0.010 χ^2/NDF : 1066.3/27

All: -0.028 ± 0.007 χ^2/NDF : 2440.9/52

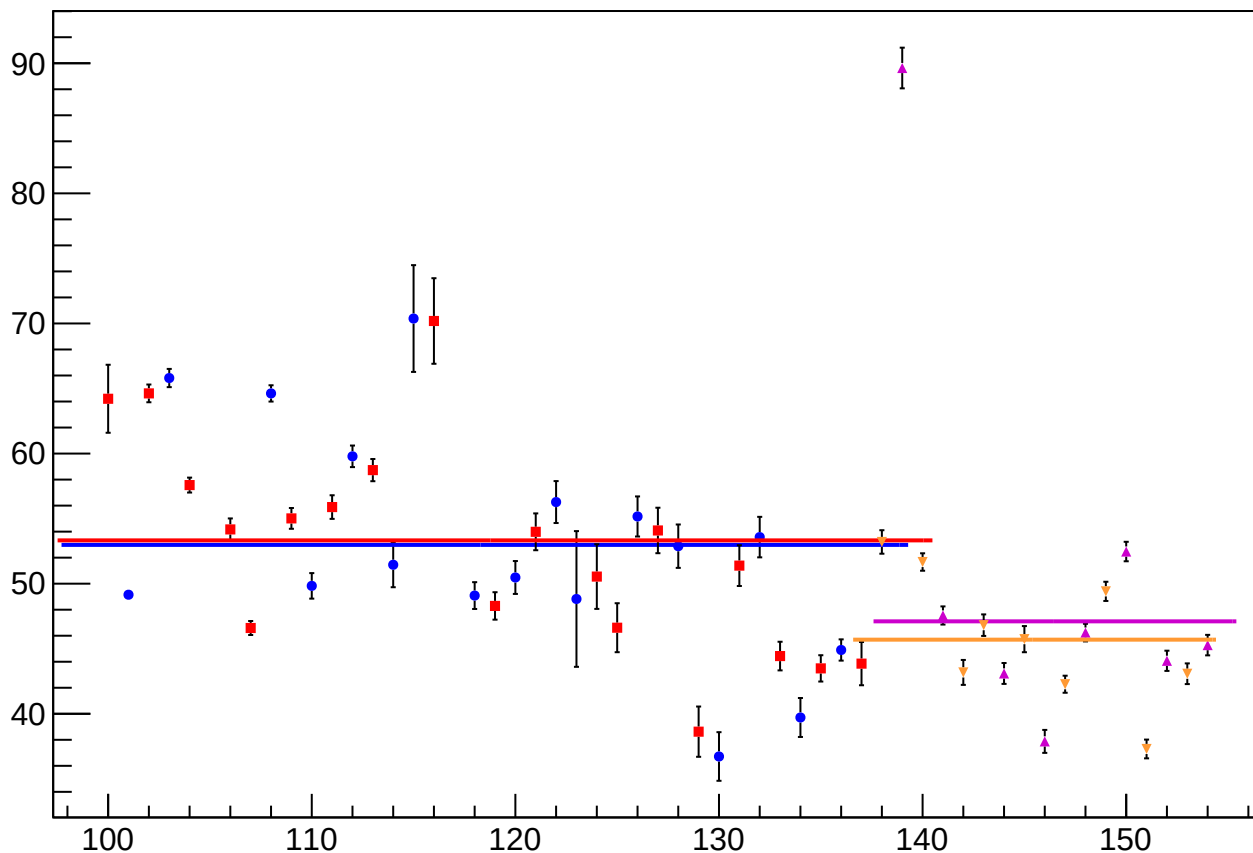
reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 25.027 $\pm$ 0.369 χ^2 /NDF:132.3/8
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 23.327 $\pm$ 0.387 χ^2 /NDF:216.0/7

Left: 24.218 $\pm$ 0.267 χ^2 /NDF: 358.4/16
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 23.327 $\pm$ 0.387 χ^2 /NDF:216.0/7
 Out: 25.027 $\pm$ 0.369 χ^2 /NDF:132.3/8
 All: 24.218 $\pm$ 0.267 χ^2 /NDF: 358.4/16

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 52.981 $\pm$ 0.210 χ^2 /NDF: 1197.8/16

Left Out: 45.697 $\pm$ 0.261 χ^2 /NDF: 356.1/8

Right Out: 53.328 $\pm$ 0.227 χ^2 /NDF: 872.7/18

Left In: 47.104 $\pm$ 0.283 χ^2 /NDF: 948.5/7

Left: 46.345 $\pm$ 0.192 χ^2 /NDF: 1318.0/16

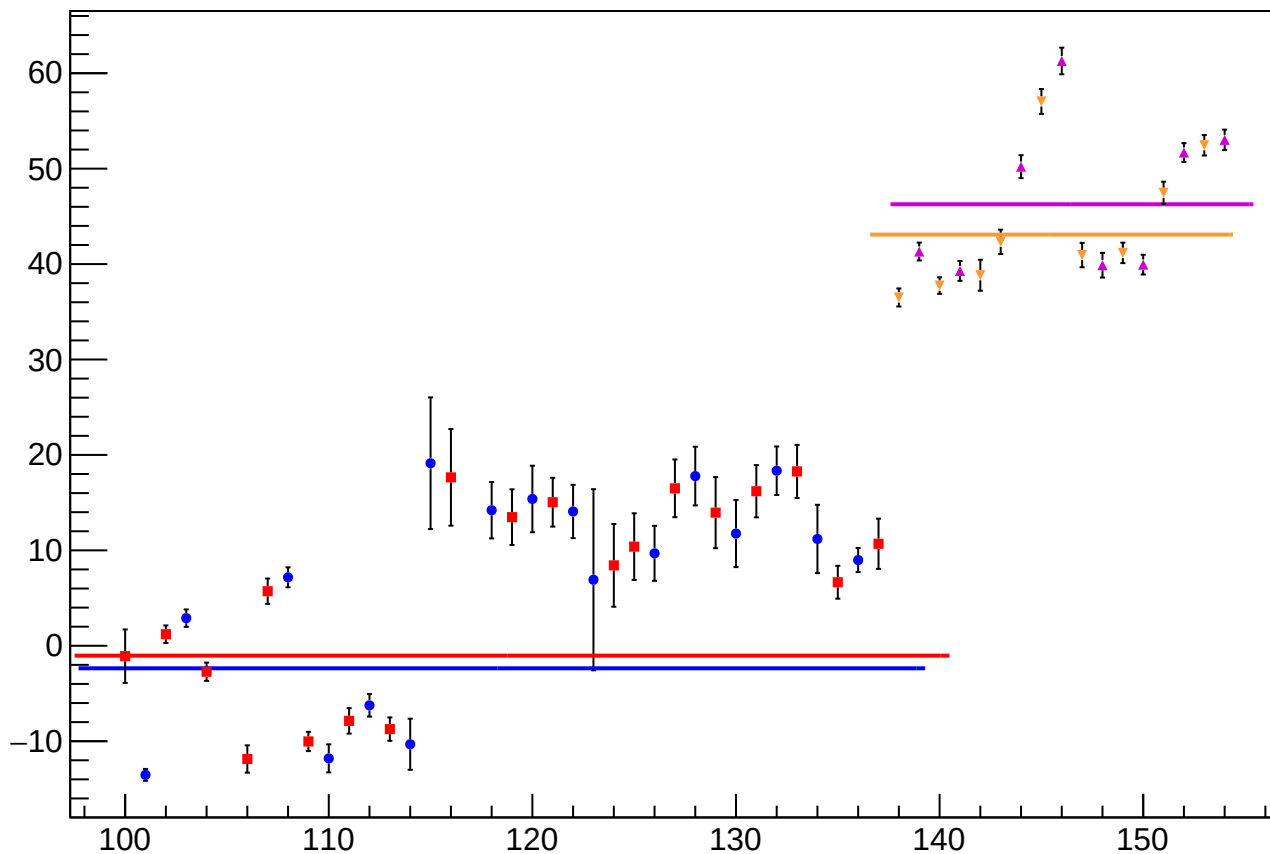
Right: 53.141 $\pm$ 0.154 χ^2 /NDF: 2071.7/35

In: 50.888 $\pm$ 0.169 χ^2 /NDF: 2424.8/24

Out: 50.050 $\pm$ 0.171 χ^2 /NDF: 1715.6/27

All: 50.475 $\pm$ 0.120 χ^2 /NDF: 4152.6/52

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.361 ± 0.364 $\chi^2/\text{NDF}: 840.8/16$

Left Out: 43.089 ± 0.375 $\chi^2/\text{NDF}: 304.9/8$

Right Out: -1.035 ± 0.377 $\chi^2/\text{NDF}: 507.7/18$

Left In: 46.268 ± 0.386 $\chi^2/\text{NDF}: 331.4/7$

Left: 44.629 ± 0.269 $\chi^2/\text{NDF}: 671.3/16$

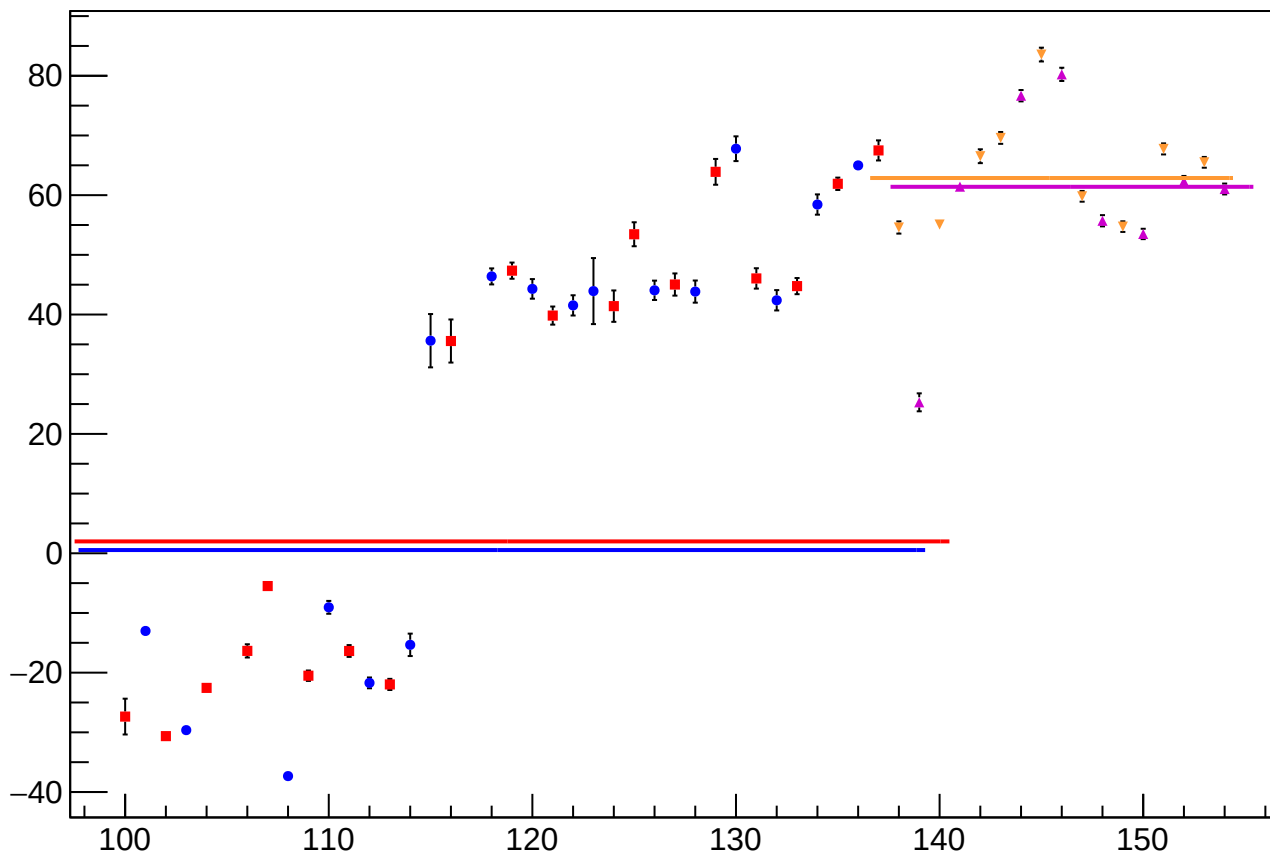
Right: -1.721 ± 0.262 $\chi^2/\text{NDF}: 1355.0/35$

In: 20.502 ± 0.265 $\chi^2/\text{NDF}: 9572.0/24$

Out: 21.167 ± 0.266 $\chi^2/\text{NDF}: 7708.4/27$

All: 20.833 ± 0.188 $\chi^2/\text{NDF}: 17283.6/52$

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.541 $\pm$ 0.247 χ^2/NDF : 18423.8/16

Left Out: 62.874 $\pm$ 0.318 χ^2/NDF :666.0/8

Right Out: 1.990 $\pm$ 0.267 χ^2/NDF : 15476.7/18

Left In: 61.400 $\pm$ 0.340 χ^2/NDF :1241.8/7

Left: 62.187 $\pm$ 0.232 χ^2/NDF : 1917.9/16

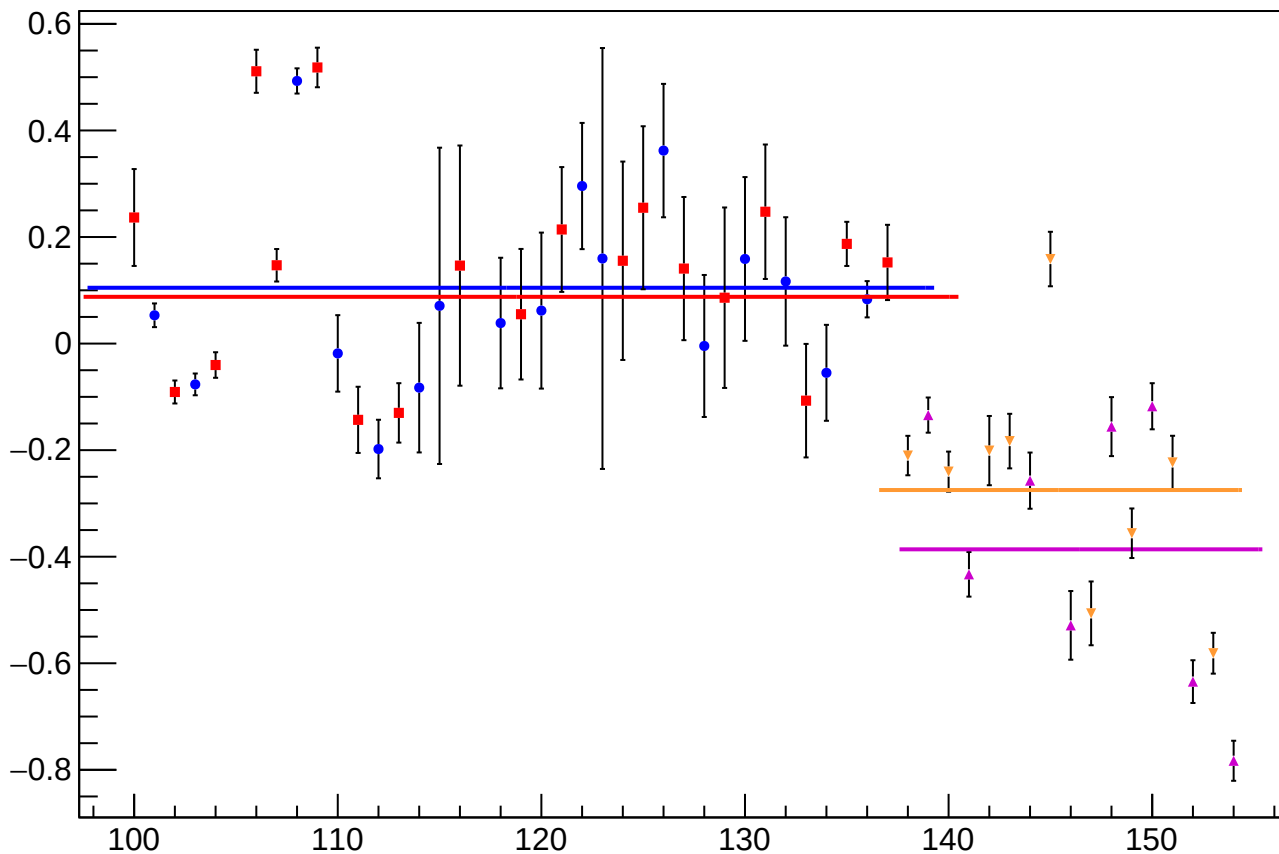
Right: 1.210 $\pm$ 0.181 χ^2/NDF : 33916.4/35

In: 21.506 $\pm$ 0.200 χ^2/NDF :40629.0/24

Out: 27.109 $\pm$ 0.204 χ^2/NDF :37673.7/27

All: 24.245 $\pm$ 0.143 χ^2/NDF : 78687.3/52

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 ± 0.011 χ^2/NDF : 400.7/16

Left Out: -0.275 ± 0.015 χ^2/NDF : 163.3/8

Right Out: 0.088 ± 0.011 χ^2/NDF : 391.0/18

Left In: -0.386 ± 0.015 χ^2/NDF : 276.0/7

Left: -0.331 ± 0.011 χ^2/NDF : 465.7/16

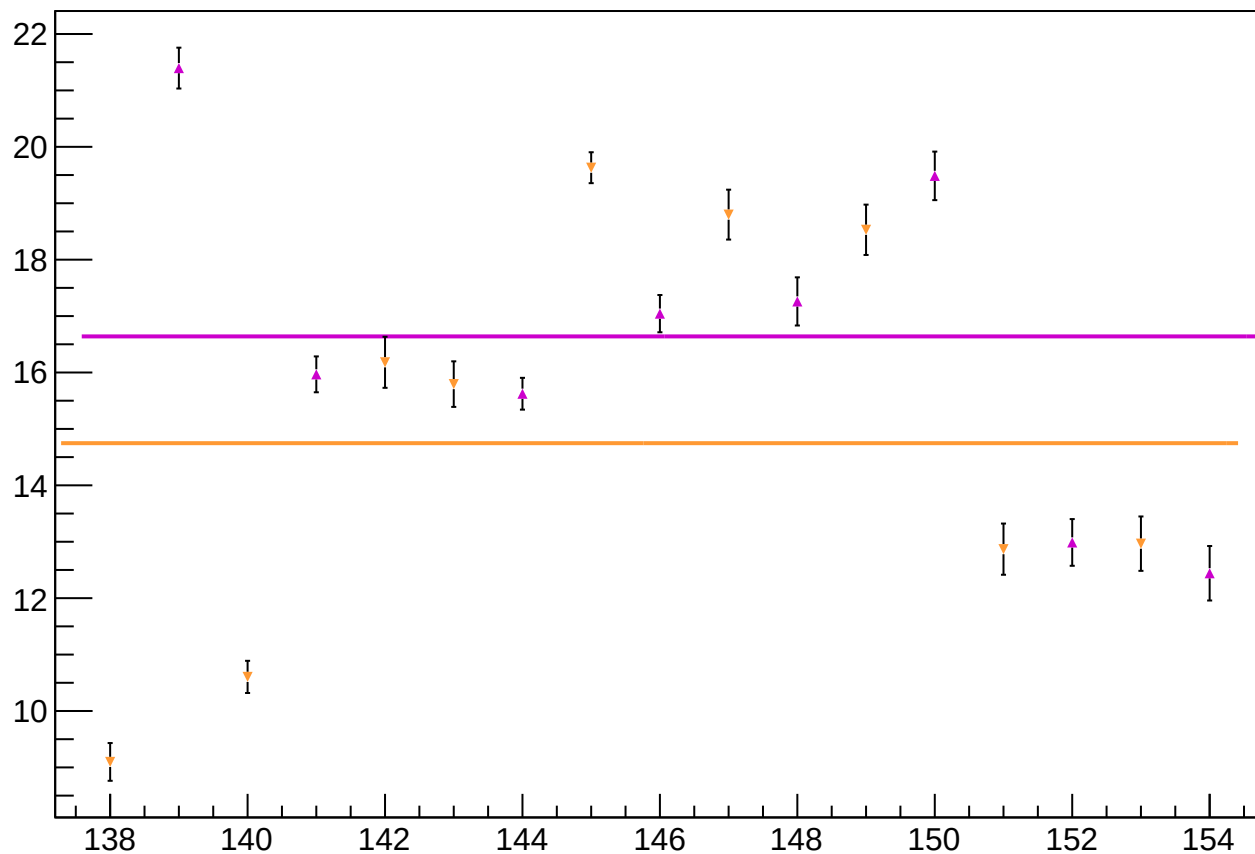
Right: 0.096 ± 0.008 χ^2/NDF : 792.9/35

In: -0.063 ± 0.009 χ^2/NDF : 1354.9/24

Out: -0.036 ± 0.009 χ^2/NDF : 923.8/27

All: -0.049 ± 0.006 χ^2/NDF : 2283.5/52

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 14.747+/-0.124 χ^2/NDF :1016.7/8

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

Left In: 16.640+/-0.129 χ^2/NDF :390.8/7

Left: 15.659+/-0.089 χ^2/NDF : 1519.4/16

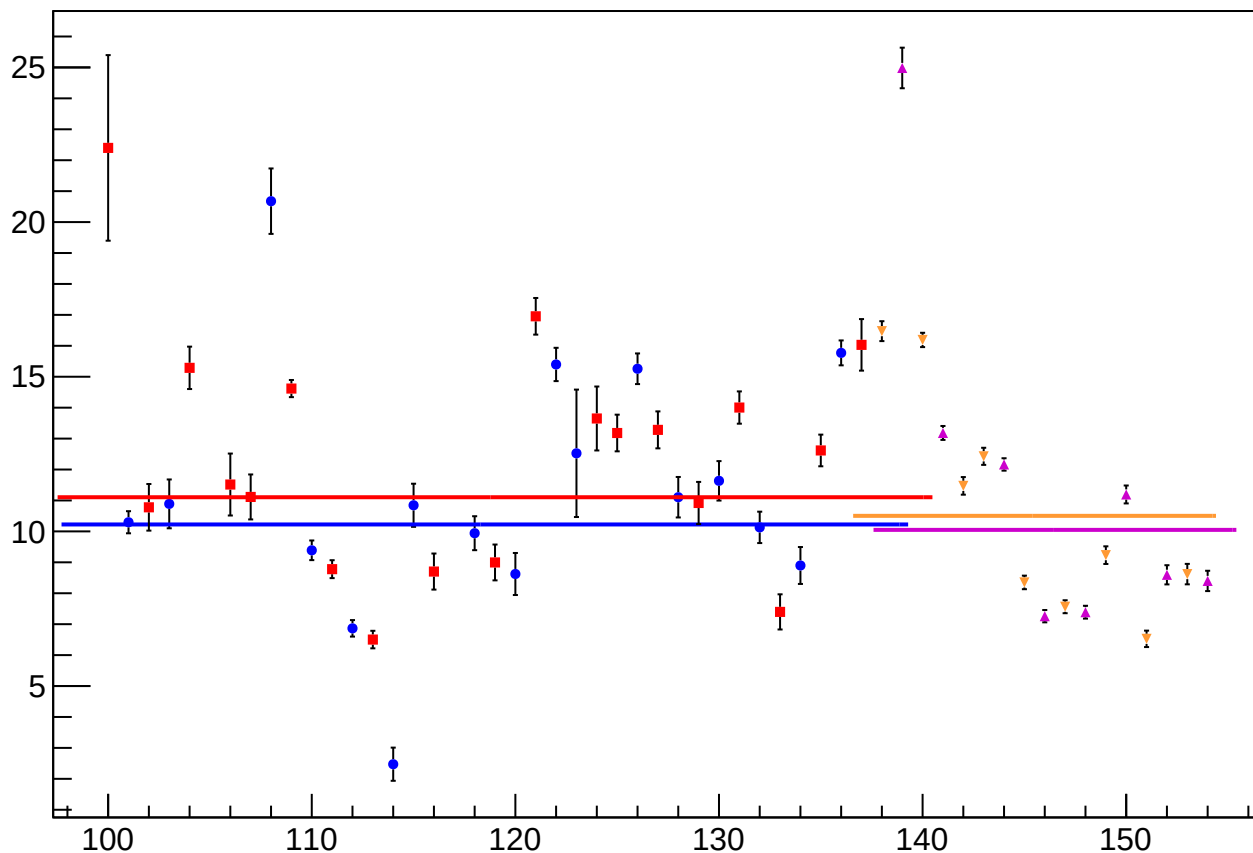
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 16.640+/-0.129 χ^2/NDF :390.8/7

Out: 14.747+/-0.124 χ^2/NDF :1016.7/8

All: 15.659+/-0.089 χ^2/NDF : 1519.4/16

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.224 $\pm$ 0.119 χ^2 /NDF: 877.6/16

Left Out: 10.503 $\pm$ 0.087 χ^2 /NDF:1578.0/8

Right Out: 11.104 $\pm$ 0.116 χ^2 /NDF: 817.2/18

Left In: 10.049 $\pm$ 0.089 χ^2 /NDF:1246.8/7

Left: 10.281 $\pm$ 0.062 χ^2 /NDF: 2838.2/16

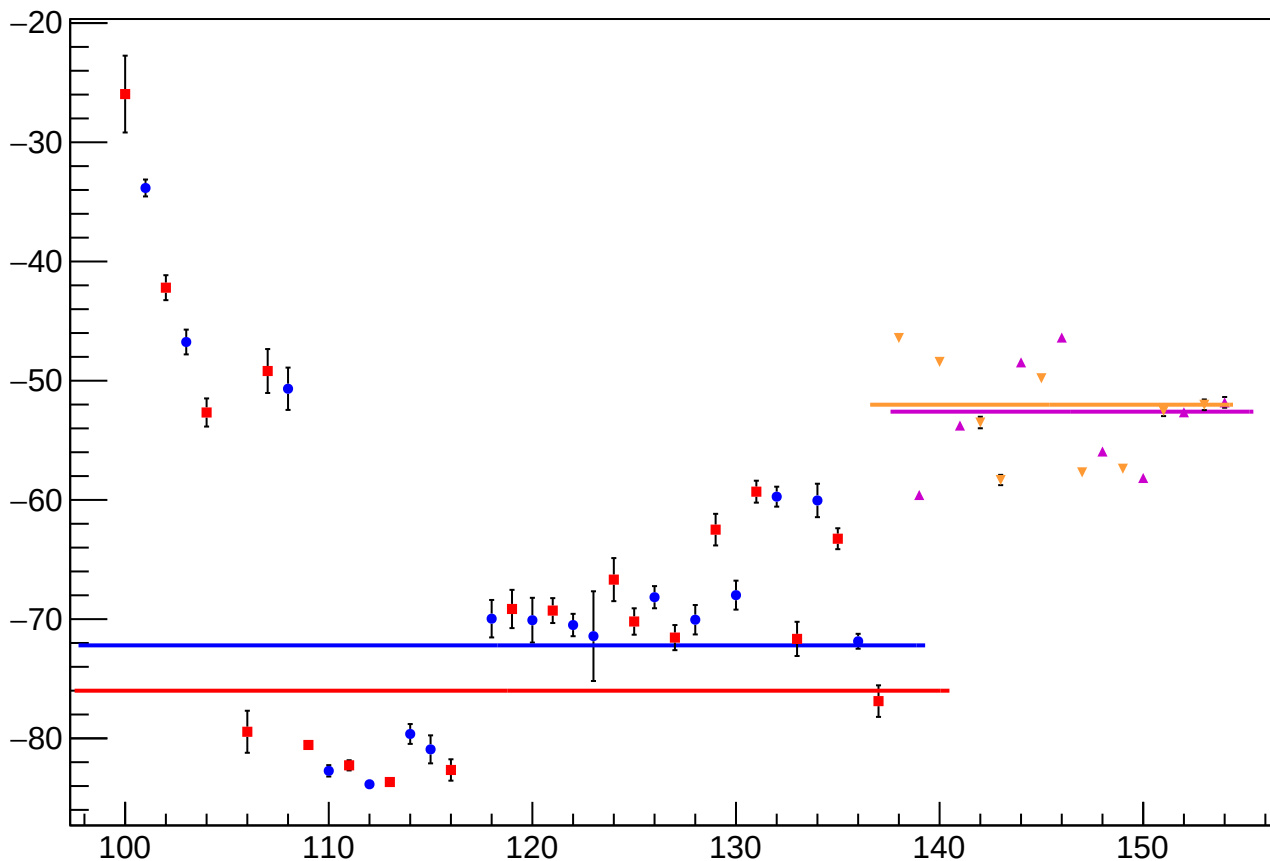
Right: 10.673 $\pm$ 0.083 χ^2 /NDF: 1722.7/35

In: 10.112 $\pm$ 0.071 χ^2 /NDF:2125.8/24

Out: 10.717 $\pm$ 0.070 χ^2 /NDF:2412.3/27

All: 10.421 $\pm$ 0.050 χ^2 /NDF: 4575.2/52

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.201 ± 0.198 χ^2/NDF : 5566.9/16

Left Out: -52.012 ± 0.127 χ^2/NDF : 1015.5/8

Right Out: -76.003 ± 0.181 χ^2/NDF : 3465.4/18

Left In: -52.596 ± 0.129 χ^2/NDF : 1167.6/7

Left: -52.300 ± 0.091 χ^2/NDF : 2193.4/16

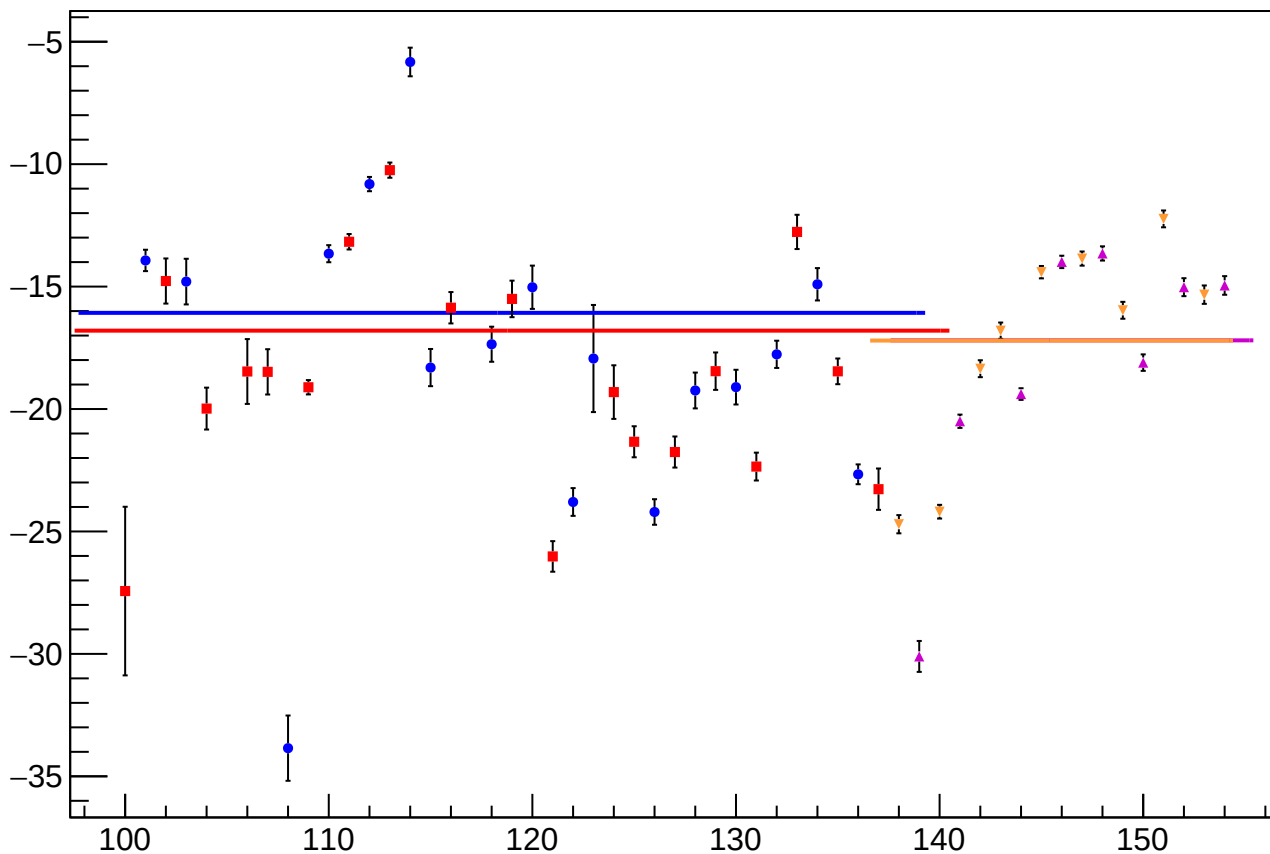
Right: -74.270 ± 0.133 χ^2/NDF : 9233.6/35

In: -58.459 ± 0.108 χ^2/NDF : 13627.8/24

Out: -59.958 ± 0.104 χ^2/NDF : 16239.4/27

All: -59.236 ± 0.075 χ^2/NDF : 29967.0/52

reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.072 ± 0.132 $\chi^2/\text{NDF}: 1640.9/16$

Left Out: -17.204 ± 0.106 $\chi^2/\text{NDF}: 1543.4/8$

Right Out: -16.799 ± 0.128 $\chi^2/\text{NDF}: 1215.8/18$

Left In: -17.196 ± 0.109 $\chi^2/\text{NDF}: 1036.7/7$

Left: -17.200 ± 0.076 $\chi^2/\text{NDF}: 2580.1/16$

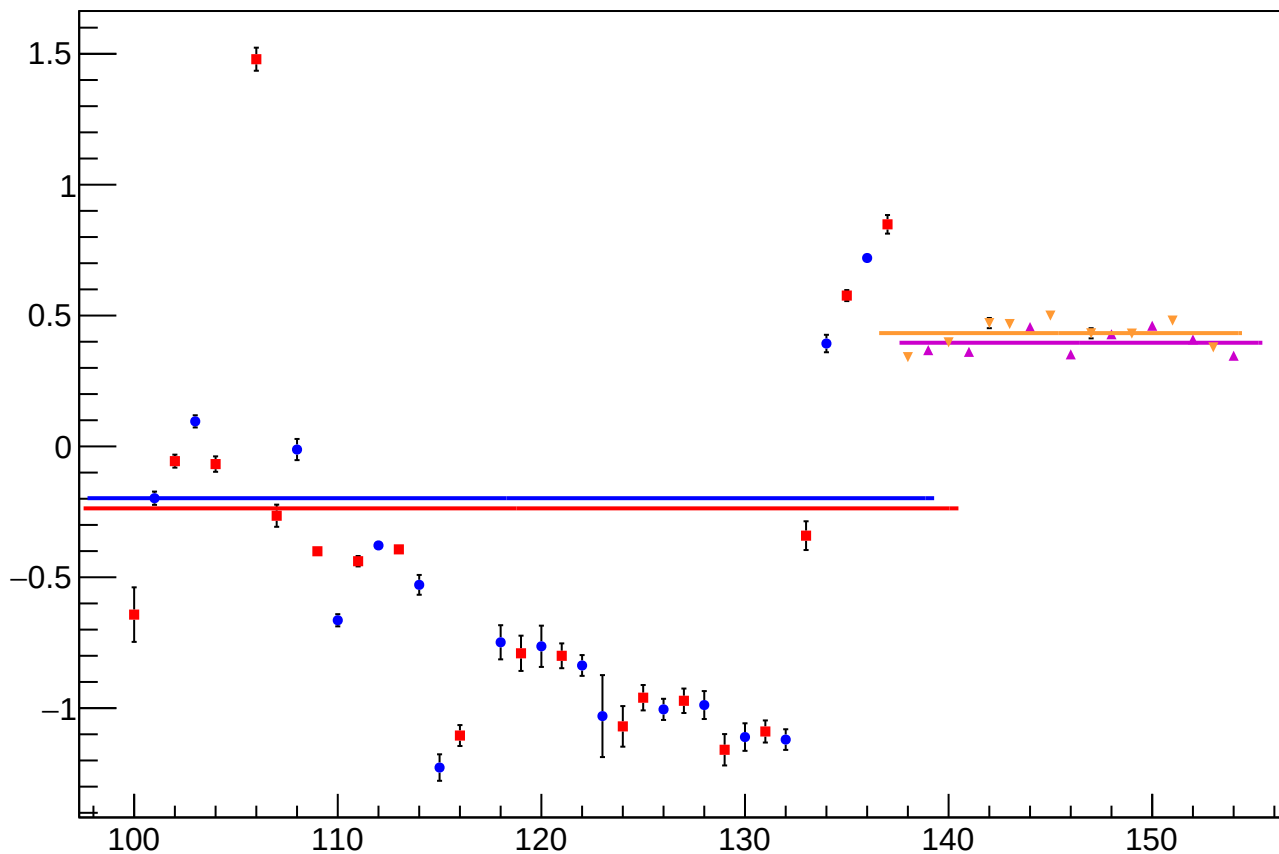
Right: -16.447 ± 0.092 $\chi^2/\text{NDF}: 2872.2/35$

In: -16.741 ± 0.084 $\chi^2/\text{NDF}: 2720.6/24$

Out: -17.039 ± 0.082 $\chi^2/\text{NDF}: 2765.1/27$

All: -16.894 ± 0.059 $\chi^2/\text{NDF}: 5492.2/52$

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.198 ± 0.008 χ^2/NDF : 6338.8/16

Left Out: 0.433 ± 0.005 χ^2/NDF : 107.7/8

Right Out: -0.237 ± 0.007 χ^2/NDF : 6221.9/18

Left In: 0.396 ± 0.005 χ^2/NDF : 69.6/7

Left: 0.415 ± 0.004 χ^2/NDF : 201.9/16

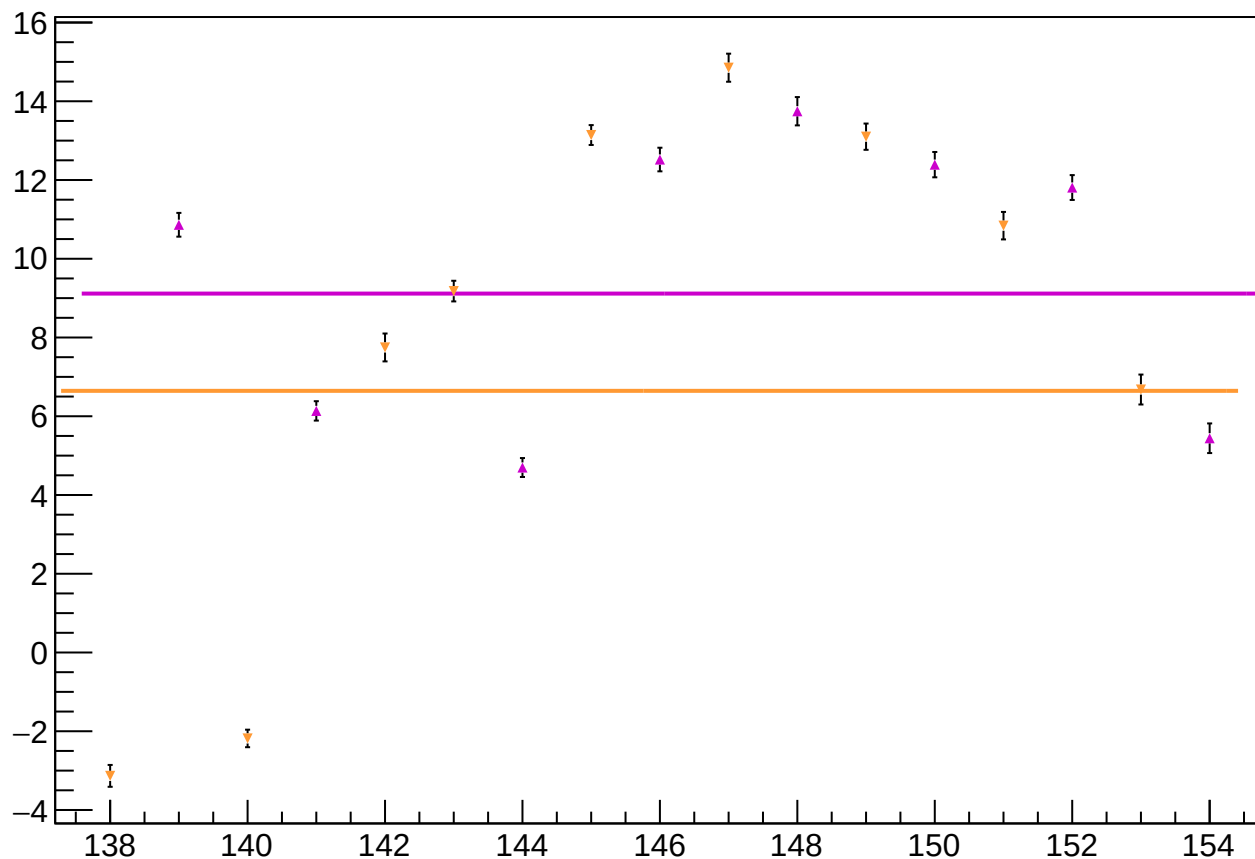
Right: -0.218 ± 0.005 χ^2/NDF : 12574.6/35

In: 0.200 ± 0.004 χ^2/NDF : 10571.7/24

Out: 0.200 ± 0.004 χ^2/NDF : 12021.8/27

All: 0.200 ± 0.003 χ^2/NDF : 22593.5/52

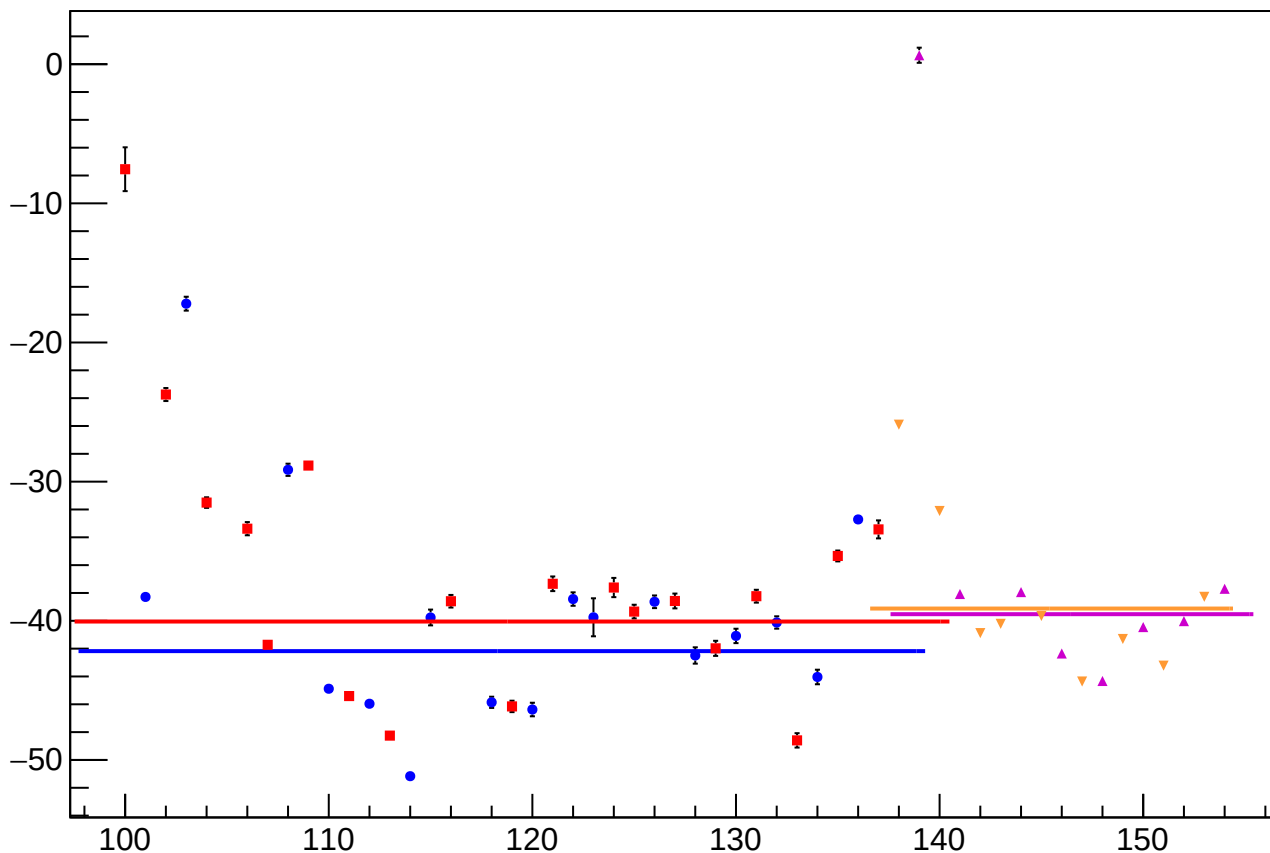
reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 6.645+/-0.098 χ^2/NDF :4627.2/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 9.116+/-0.105 χ^2/NDF :1084.3/7

Left: 7.798+/-0.072 χ^2/NDF : 6005.8/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 9.116+/-0.105 χ^2/NDF :1084.3/7
 Out: 6.645+/-0.098 χ^2/NDF :4627.2/8
 All: 7.798+/-0.072 χ^2/NDF : 6005.8/16

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.179 ± 0.078 χ^2/NDF : 6573.8/16

Left Out: -39.119 ± 0.068 χ^2/NDF : 5481.5/8

Right Out: -40.052 ± 0.073 χ^2/NDF : 11313.5/18

Left In: -39.524 ± 0.073 χ^2/NDF : 6642.8/7

Left: -39.307 ± 0.050 χ^2/NDF : 12140.6/16

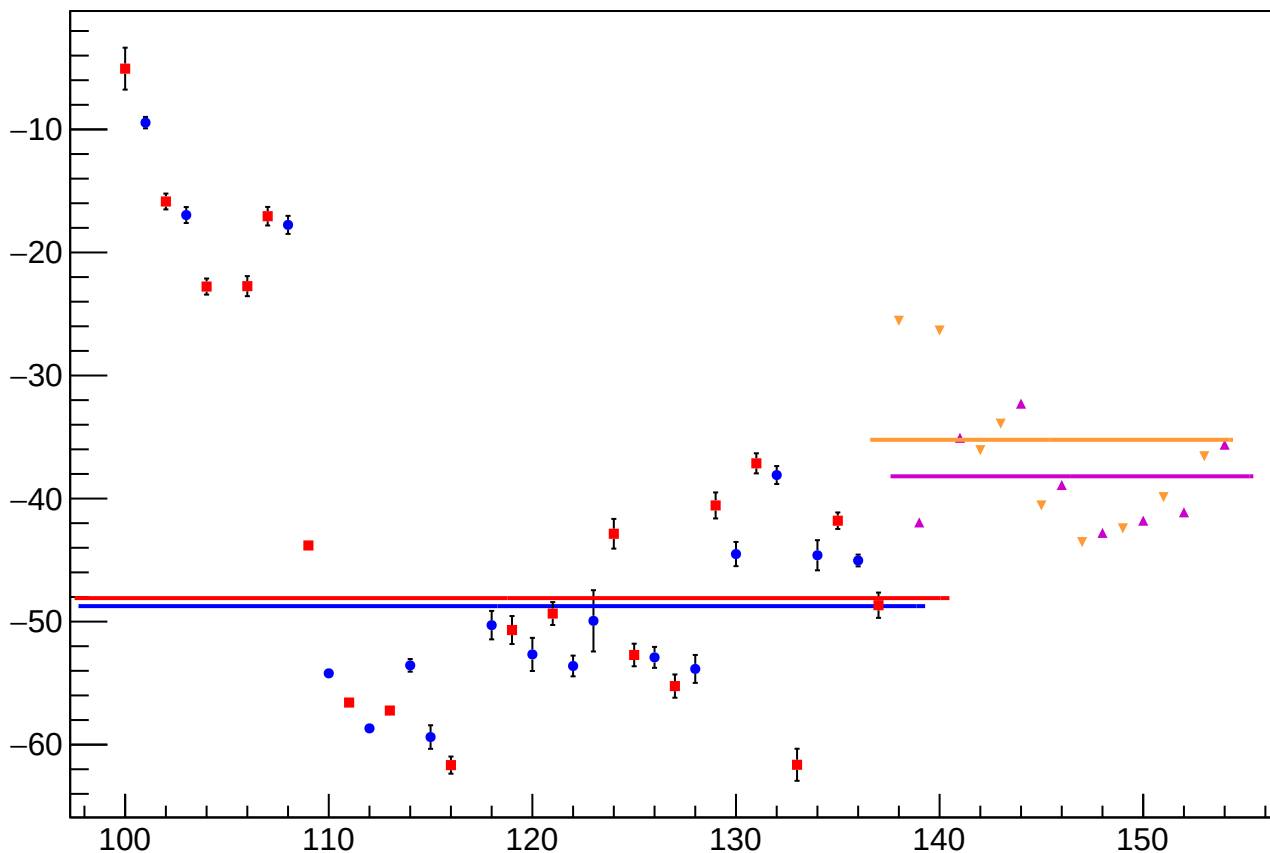
Right: -41.045 ± 0.053 χ^2/NDF : 18285.9/35

In: -40.775 ± 0.053 χ^2/NDF : 13832.6/24

Out: -39.557 ± 0.050 χ^2/NDF : 16882.3/27

All: -40.124 ± 0.036 χ^2/NDF : 30993.3/52

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.743 ± 0.124 $\chi^2/\text{NDF}: 14658.5/16$

Left Out: -35.224 ± 0.101 $\chi^2/\text{NDF}: 4223.6/8$

Right Out: -48.091 ± 0.107 $\chi^2/\text{NDF}: 11731.5/18$

Left In: -38.192 ± 0.105 $\chi^2/\text{NDF}: 1284.7/7$

Left: -36.640 ± 0.073 $\chi^2/\text{NDF}: 5923.4/16$

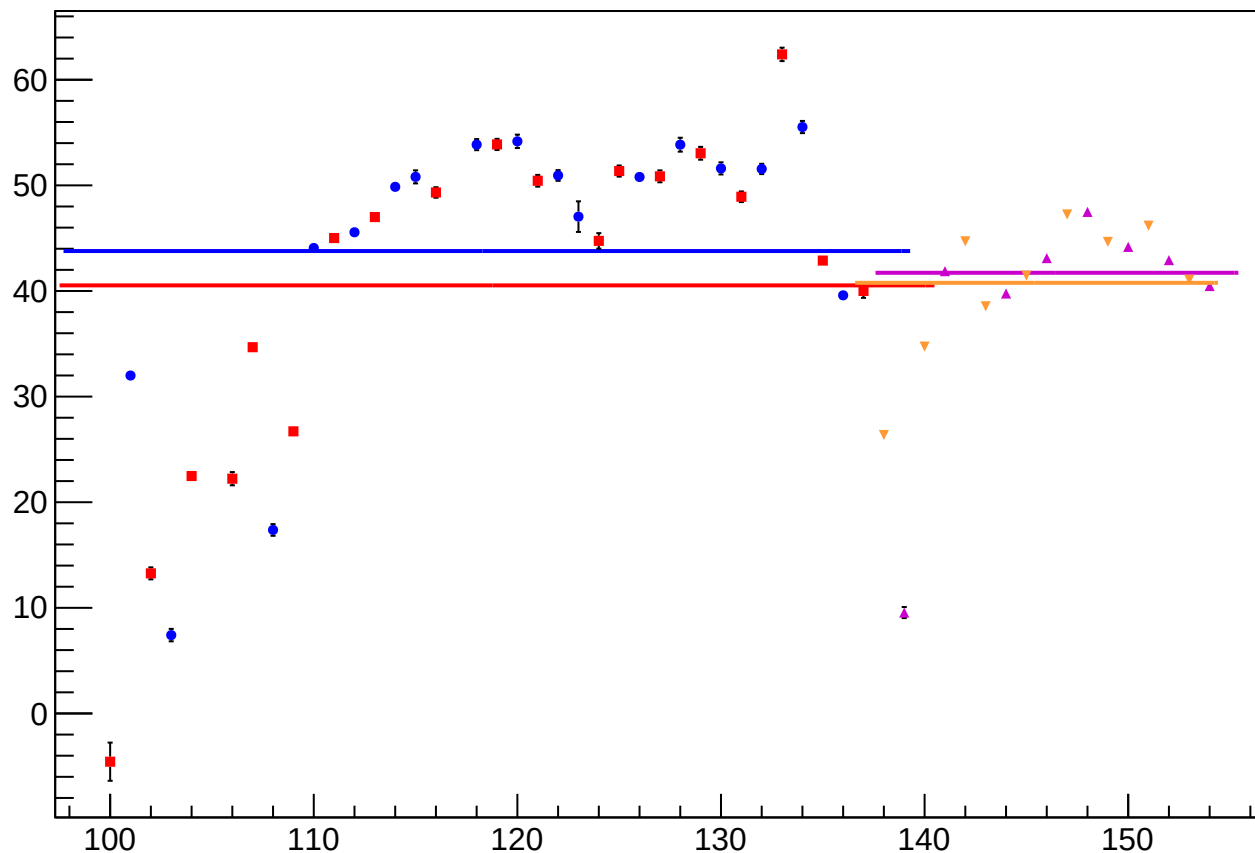
Right: -48.369 ± 0.081 $\chi^2/\text{NDF}: 26405.8/35$

In: -42.597 ± 0.080 $\chi^2/\text{NDF}: 20132.1/24$

Out: -41.250 ± 0.073 $\chi^2/\text{NDF}: 23612.0/27$

All: -41.862 ± 0.054 $\chi^2/\text{NDF}: 43897.1/52$

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.782 $\pm$ 0.087 χ^2 /NDF: 10638.7/16

Left Out: 40.772 $\pm$ 0.084 χ^2 /NDF:4646.5/8

Right Out: 40.530 $\pm$ 0.080 χ^2 /NDF: 17580.7/18

Left In: 41.724 $\pm$ 0.089 χ^2 /NDF:4578.6/7

Left: 41.216 $\pm$ 0.061 χ^2 /NDF: 9285.5/16

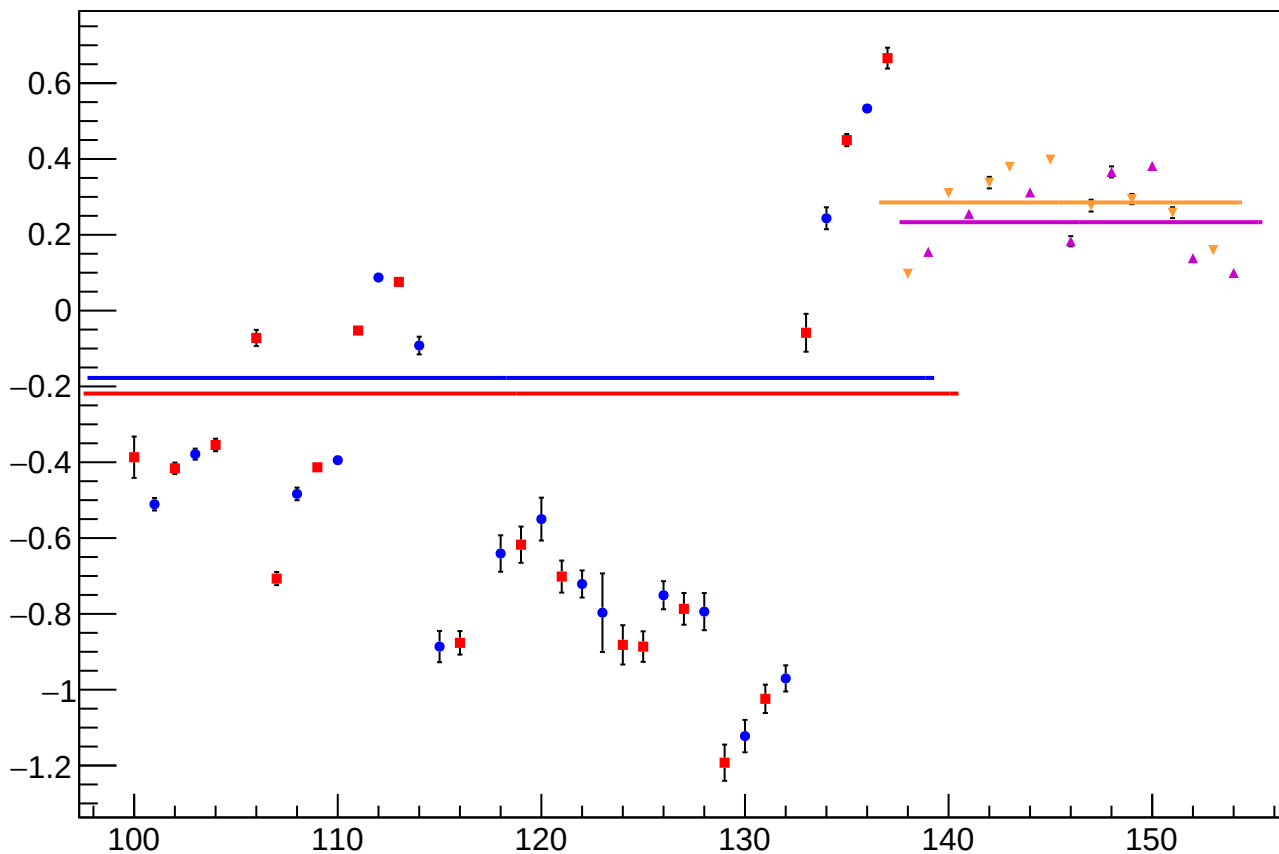
Right: 42.031 $\pm$ 0.059 χ^2 /NDF: 28978.3/35

In: 42.785 $\pm$ 0.062 χ^2 /NDF:15490.9/24

Out: 40.646 $\pm$ 0.058 χ^2 /NDF:22231.5/27

All: 41.639 $\pm$ 0.042 χ^2 /NDF: 38356.1/52

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.178 ± 0.005 χ^2/NDF : 7375.8/16

Left Out: 0.285 ± 0.004 χ^2/NDF : 554.6/8

Right Out: -0.219 ± 0.004 χ^2/NDF : 7470.0/18

Left In: 0.233 ± 0.004 χ^2/NDF : 514.9/7

Left: 0.260 ± 0.003 χ^2/NDF : 1145.8/16

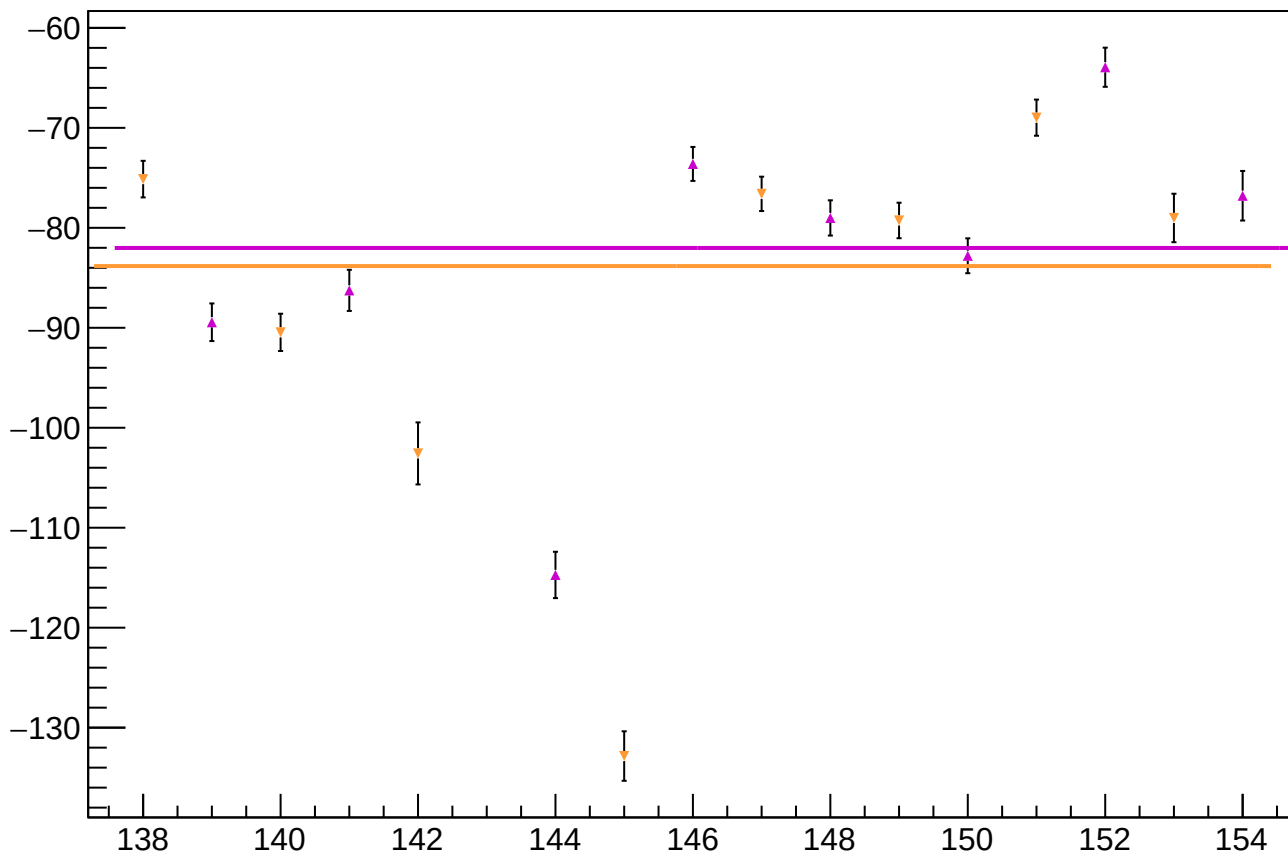
Right: -0.201 ± 0.003 χ^2/NDF : 14886.5/35

In: 0.052 ± 0.003 χ^2/NDF : 11929.4/24

Out: 0.043 ± 0.003 χ^2/NDF : 15157.8/27

All: 0.047 ± 0.002 χ^2/NDF : 27091.8/52

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -83.827+/-0.710 χ^2/NDF :559.3/7

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

Left In: -82.016+/-0.686 χ^2/NDF :336.3/7

Left: -82.891+/-0.493 χ^2/NDF : 899.0/15

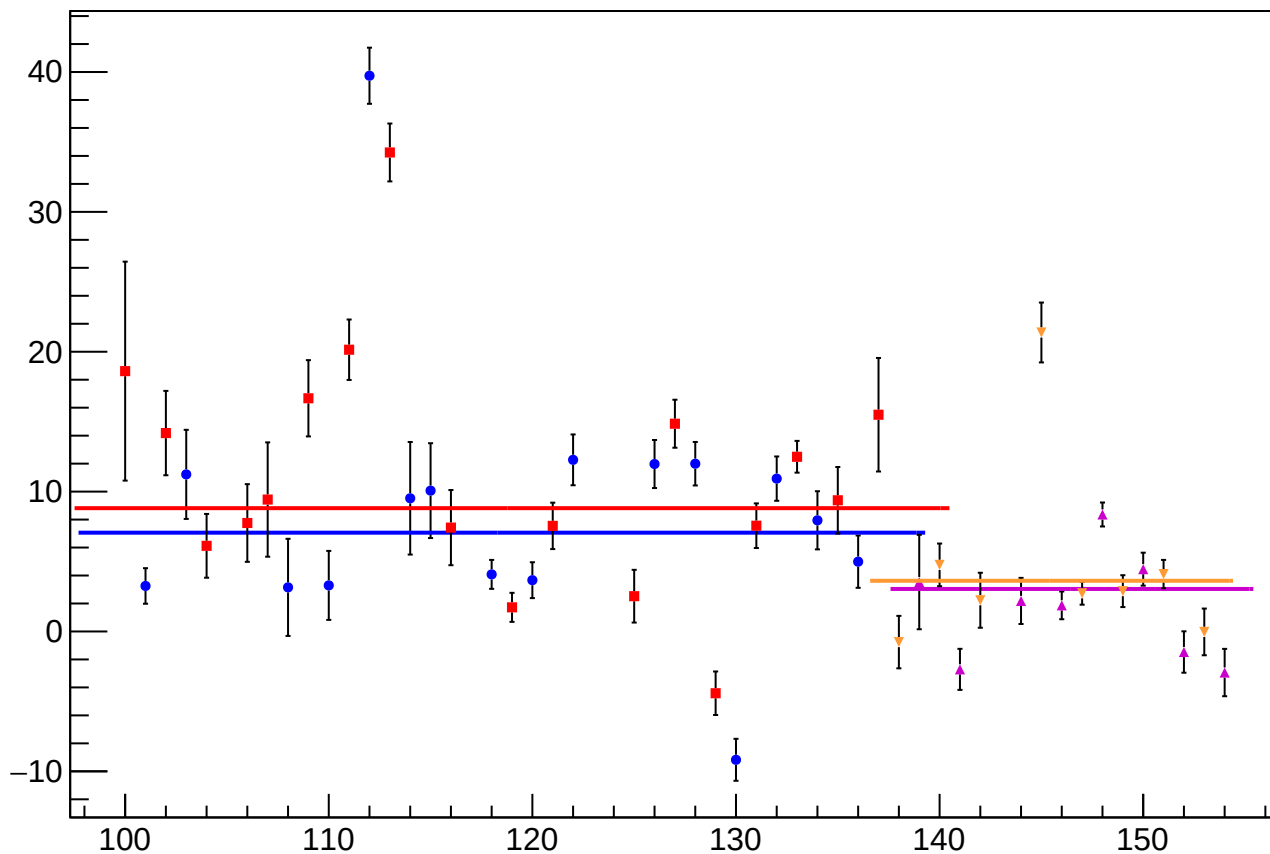
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -82.016+/-0.686 χ^2/NDF :336.3/7

Out: -83.827+/-0.710 χ^2/NDF :559.3/7

All: -82.891+/-0.493 χ^2/NDF : 899.0/15

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.063 ± 0.434 $\chi^2/\text{NDF}: 446.9/15$

Left Out: 3.624 ± 0.456 $\chi^2/\text{NDF}: 82.0/7$

Right Out: 8.816 ± 0.449 $\chi^2/\text{NDF}: 350.4/17$

Left In: 3.040 ± 0.455 $\chi^2/\text{NDF}: 78.9/7$

Left: 3.331 ± 0.322 $\chi^2/\text{NDF}: 161.7/15$

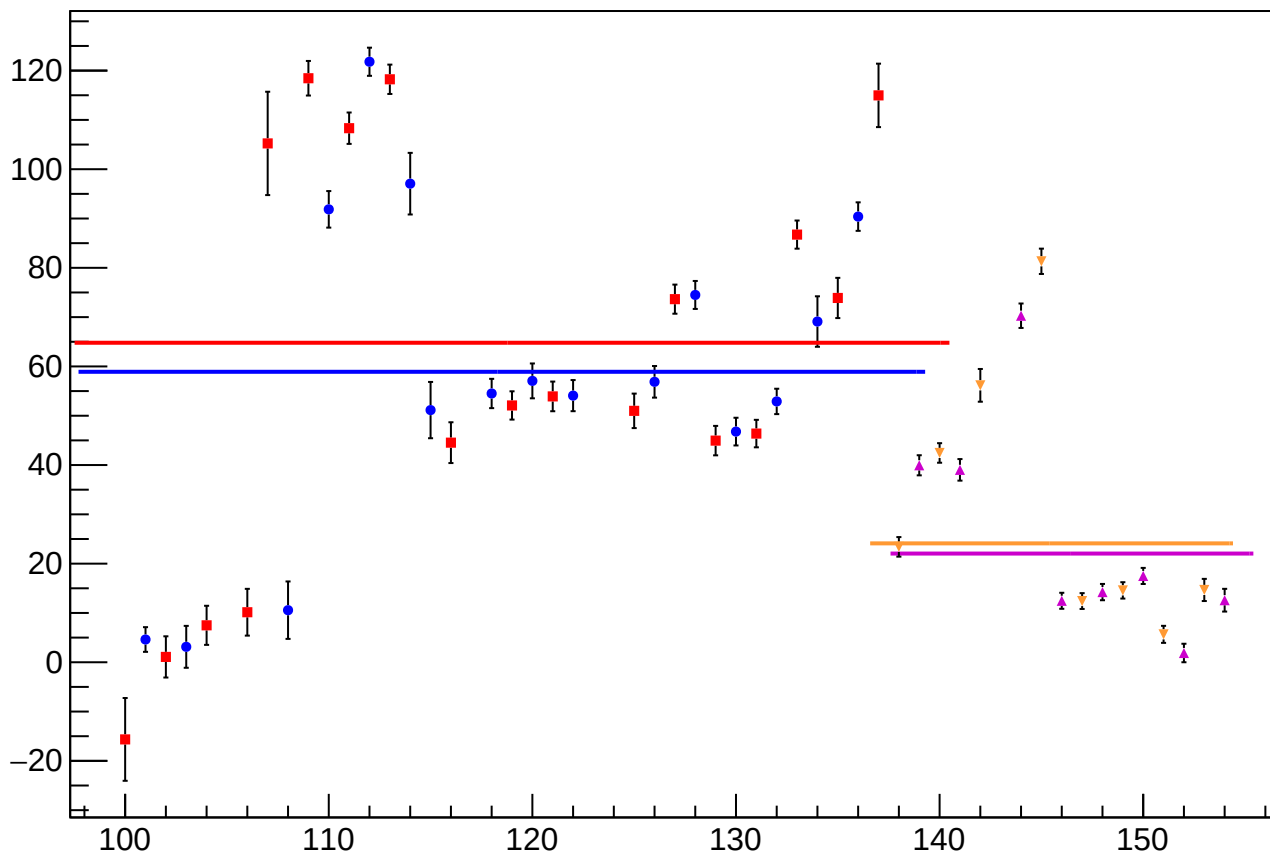
Right: 7.909 ± 0.312 $\chi^2/\text{NDF}: 805.1/33$

In: 5.150 ± 0.314 $\chi^2/\text{NDF}: 566.7/23$

Out: 6.263 ± 0.320 $\chi^2/\text{NDF}: 498.1/25$

All: 5.695 ± 0.224 $\chi^2/\text{NDF}: 1071.0/49$

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.913 $\pm$ 0.831 χ^2 /NDF: 1496.7/15

Left Out: 24.112 $\pm$ 0.701 χ^2 /NDF:892.5/7

Right Out: 64.803 $\pm$ 0.840 χ^2 /NDF: 1718.2/17

Left In: 22.046 $\pm$ 0.673 χ^2 /NDF:713.6/7

Left: 23.037 $\pm$ 0.486 χ^2 /NDF: 1610.6/15

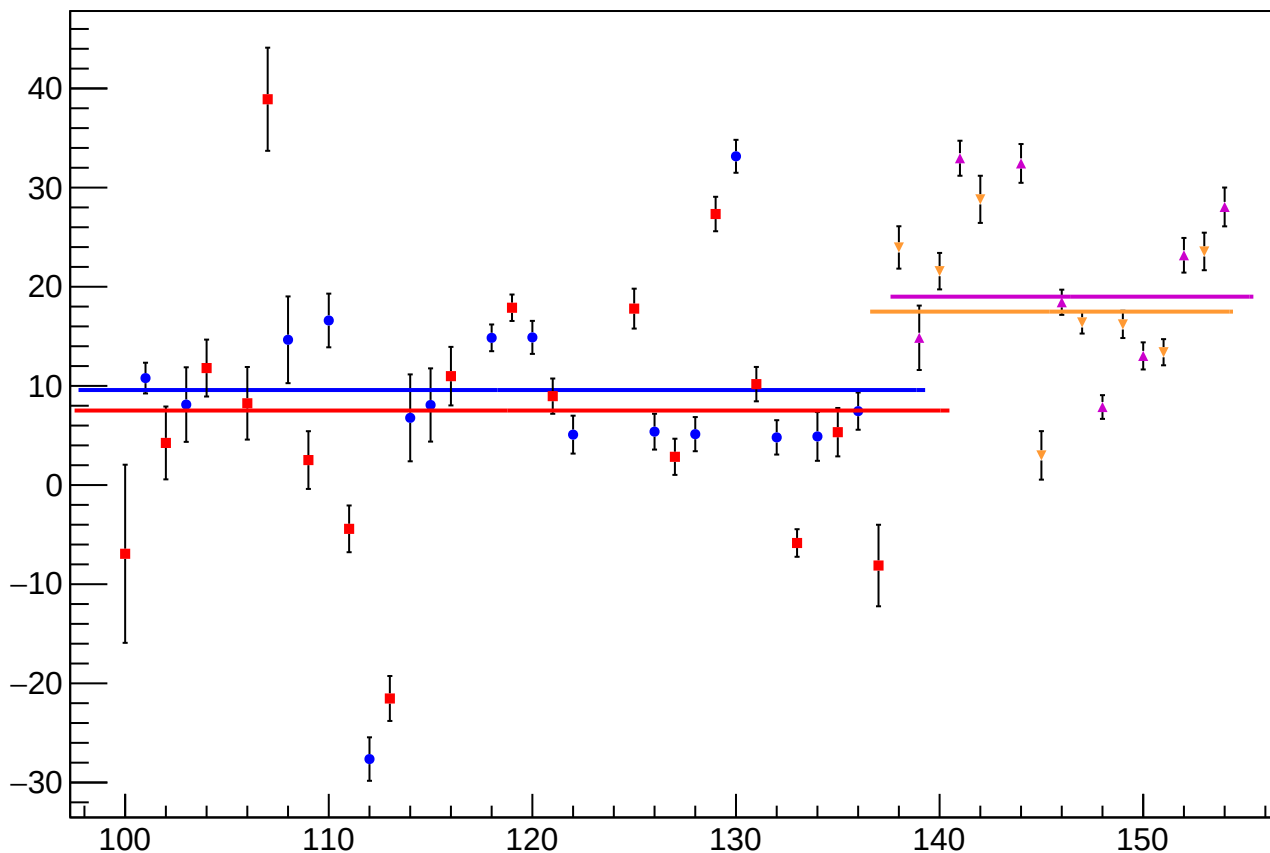
Right: 61.827 $\pm$ 0.591 χ^2 /NDF: 3239.7/33

In: 36.651 $\pm$ 0.523 χ^2 /NDF:3397.6/23

Out: 40.814 $\pm$ 0.538 χ^2 /NDF:3993.3/25

All: 38.673 $\pm$ 0.375 χ^2 /NDF: 7421.6/49

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.583 ± 0.501 χ^2/NDF : 554.4/15

Left Out: 17.492 ± 0.574 χ^2/NDF : 93.6/7

Right Out: 7.516 ± 0.516 χ^2/NDF : 569.8/17

Left In: 19.000 ± 0.566 χ^2/NDF : 244.2/7

Left: 18.256 ± 0.403 χ^2/NDF : 341.4/15

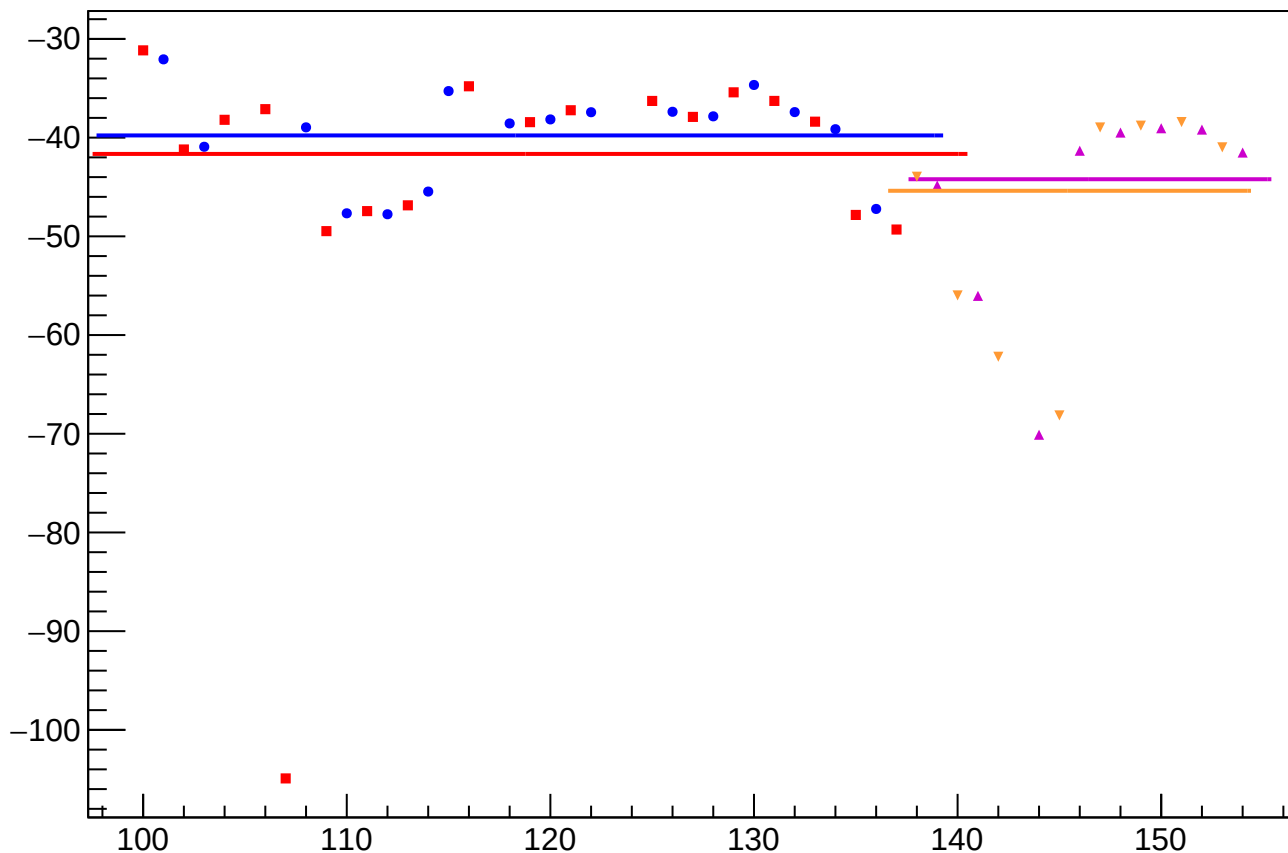
Right: 8.579 ± 0.359 χ^2/NDF : 1132.5/33

In: 13.719 ± 0.375 χ^2/NDF : 953.8/23

Out: 11.969 ± 0.384 χ^2/NDF : 830.5/25

All: 12.863 ± 0.268 χ^2/NDF : 1794.9/49

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.777 ± 0.031 χ^2/NDF : 26158.0/15

Left Out: -45.384 ± 0.029 χ^2/NDF : 108525.5/7

Right Out: -41.651 ± 0.031 χ^2/NDF : 94457.5/17

Left In: -44.215 ± 0.028 χ^2/NDF : 91614.6/7

Left: -44.759 ± 0.020 χ^2/NDF : 200981.9/15

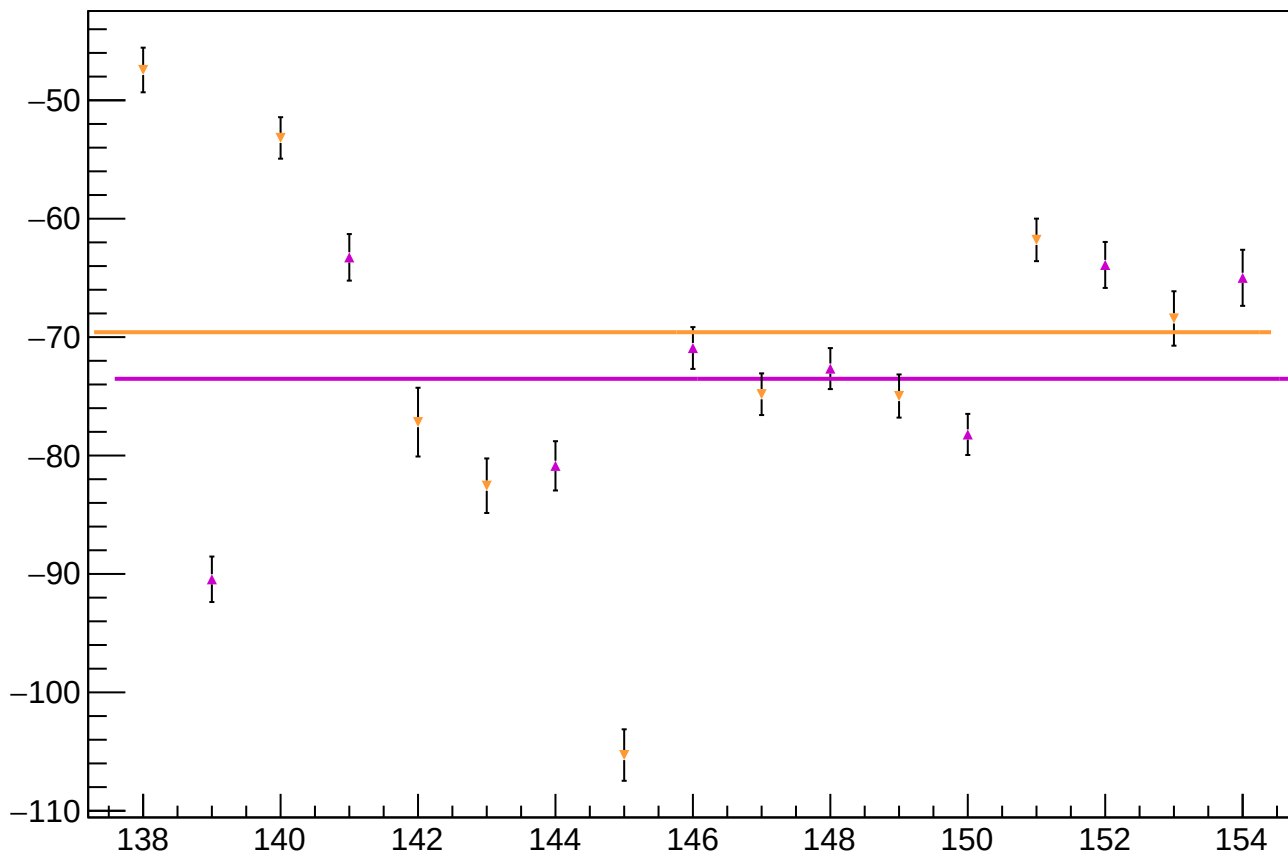
Right: -40.710 ± 0.022 χ^2/NDF : 122427.7/33

In: -42.264 ± 0.021 χ^2/NDF : 129206.6/23

Out: -43.624 ± 0.021 χ^2/NDF : 210553.9/25

All: -42.917 ± 0.015 χ^2/NDF : 341855.2/49

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -69.585+/-0.667 χ^2/NDF :570.7/8

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

Left In: -73.520+/-0.676 χ^2/NDF :164.7/7

Left: -71.527+/-0.475 χ^2/NDF : 752.6/16

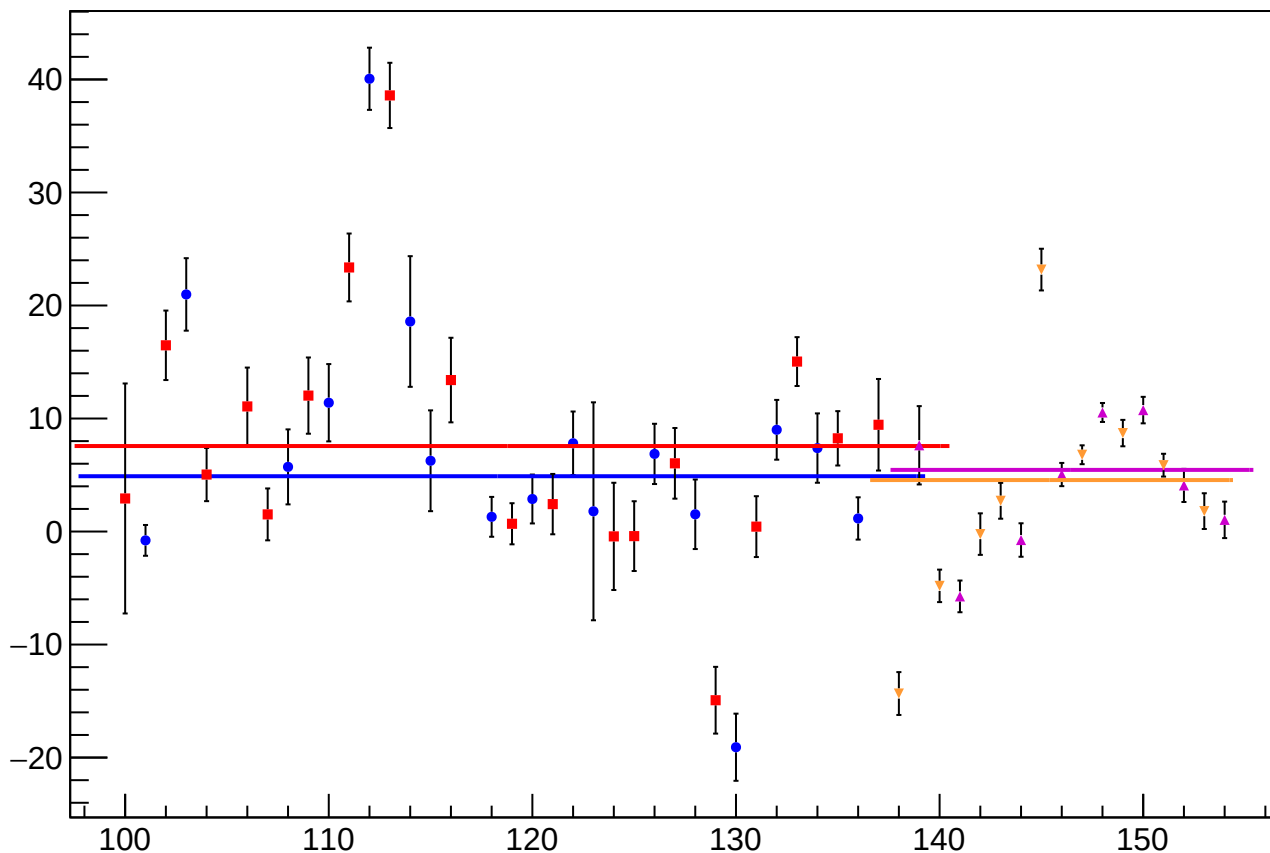
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -73.520+/-0.676 χ^2/NDF :164.7/7

Out: -69.585+/-0.667 χ^2/NDF :570.7/8

All: -71.527+/-0.475 χ^2/NDF : 752.6/16

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.894 ± 0.621 $\chi^2/\text{NDF}: 295.4/16$

Left Out: 4.554 ± 0.434 $\chi^2/\text{NDF}: 276.2/8$

Right Out: 7.565 ± 0.652 $\chi^2/\text{NDF}: 270.2/18$

Left In: 5.454 ± 0.448 $\chi^2/\text{NDF}: 147.1/7$

Left: 4.991 ± 0.312 $\chi^2/\text{NDF}: 425.4/16$

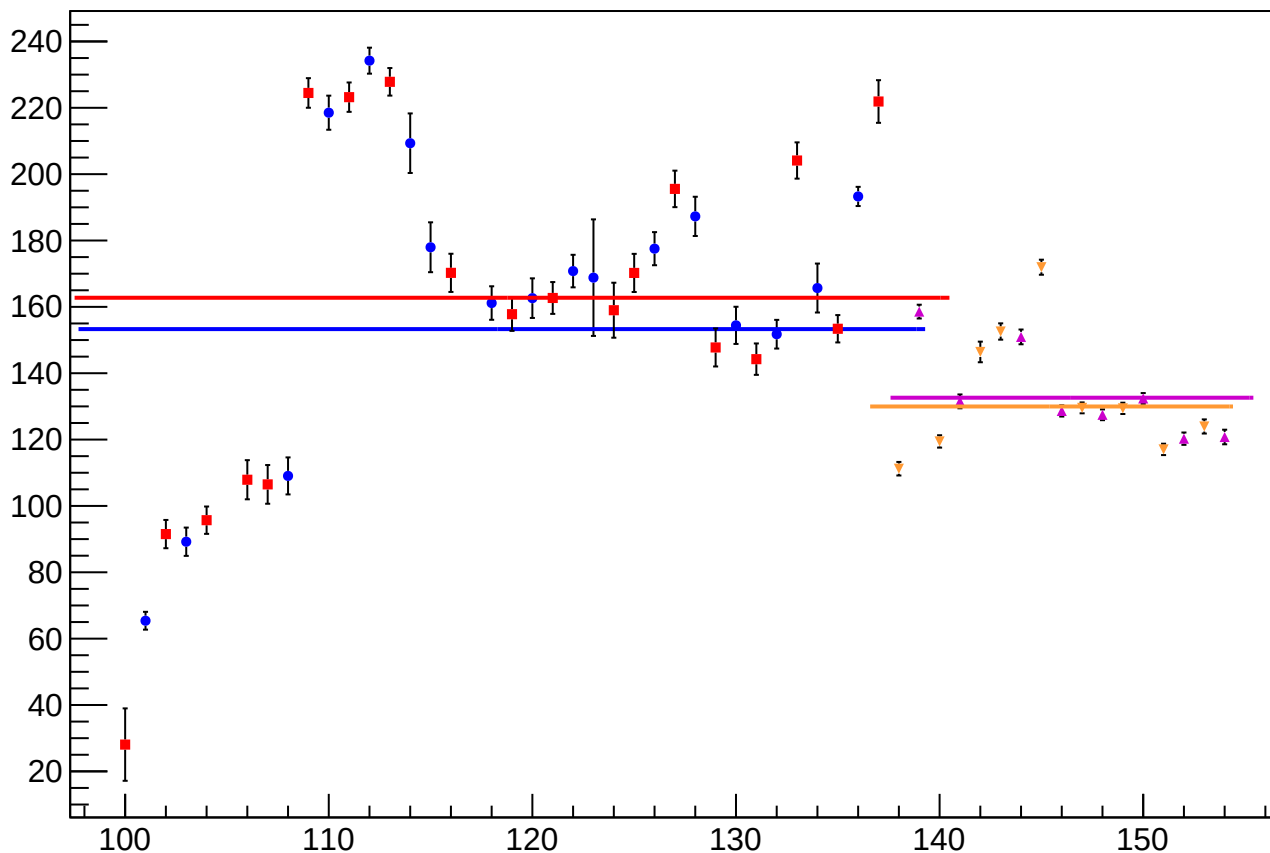
Right: 6.165 ± 0.450 $\chi^2/\text{NDF}: 574.4/35$

In: 5.263 ± 0.363 $\chi^2/\text{NDF}: 443.0/24$

Out: 5.480 ± 0.361 $\chi^2/\text{NDF}: 561.2/27$

All: 5.372 ± 0.256 $\chi^2/\text{NDF}: 1004.4/52$

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 153.298+/-1.145 χ^2/NDF : 2266.8/16

Left Out: 129.974+/-0.664 χ^2/NDF : 635.7/8

Right Out: 162.747+/-1.177 χ^2/NDF : 1708.7/18

Left In: 132.618+/-0.664 χ^2/NDF : 312.7/7

Left: 131.297+/-0.470 χ^2/NDF : 956.3/16

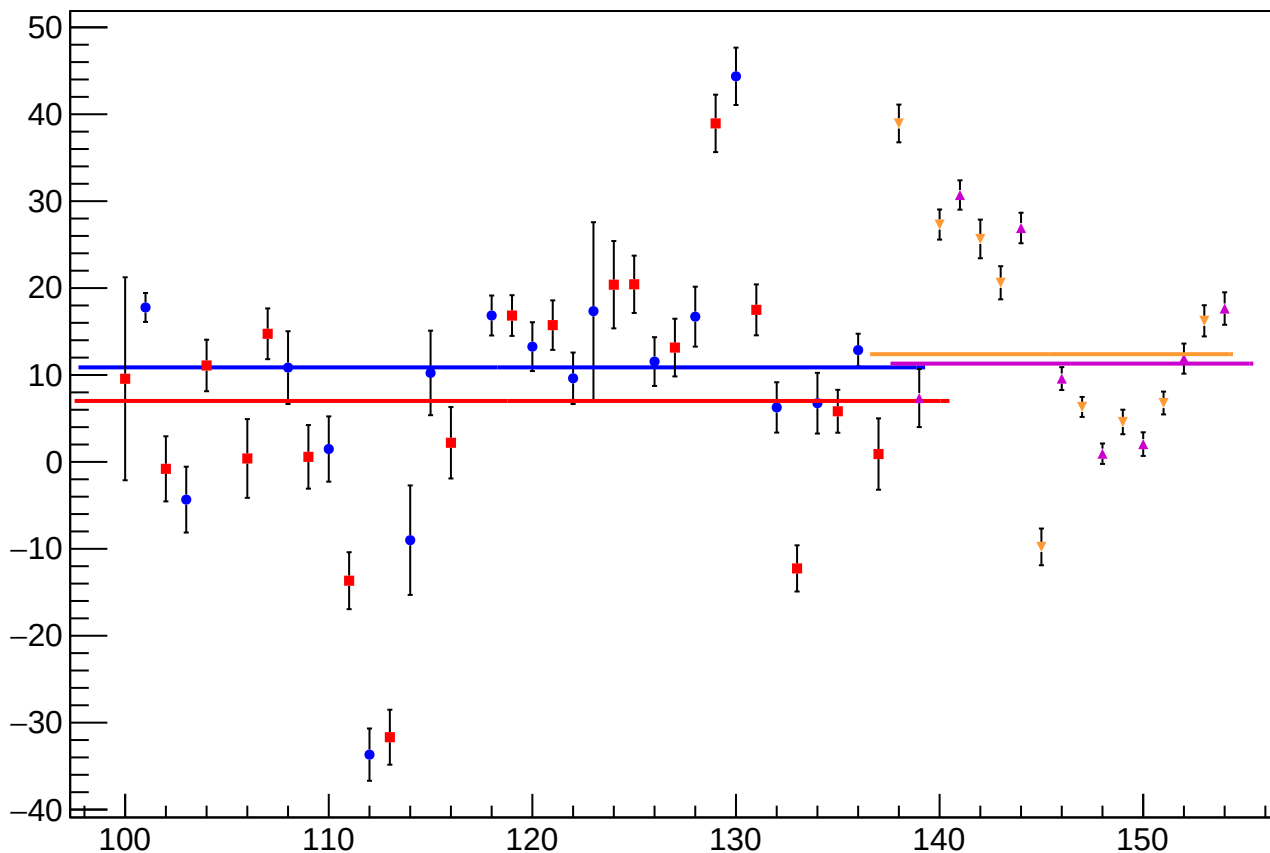
Right: 157.893+/-0.820 χ^2/NDF : 4008.6/35

In: 137.823+/-0.574 χ^2/NDF : 2823.7/24

Out: 137.899+/-0.579 χ^2/NDF : 2932.6/27

All: 137.861+/-0.408 χ^2/NDF : 5756.3/52

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.878 $\pm$ 0.713 χ^2 /NDF: 388.1/16

Left Out: 12.396 $\pm$ 0.543 χ^2 /NDF: 469.1/8

Right Out: 7.014 $\pm$ 0.748 χ^2 /NDF: 424.5/18

Left In: 11.310 $\pm$ 0.556 χ^2 /NDF: 350.1/7

Left: 11.867 $\pm$ 0.389 χ^2 /NDF: 821.1/16

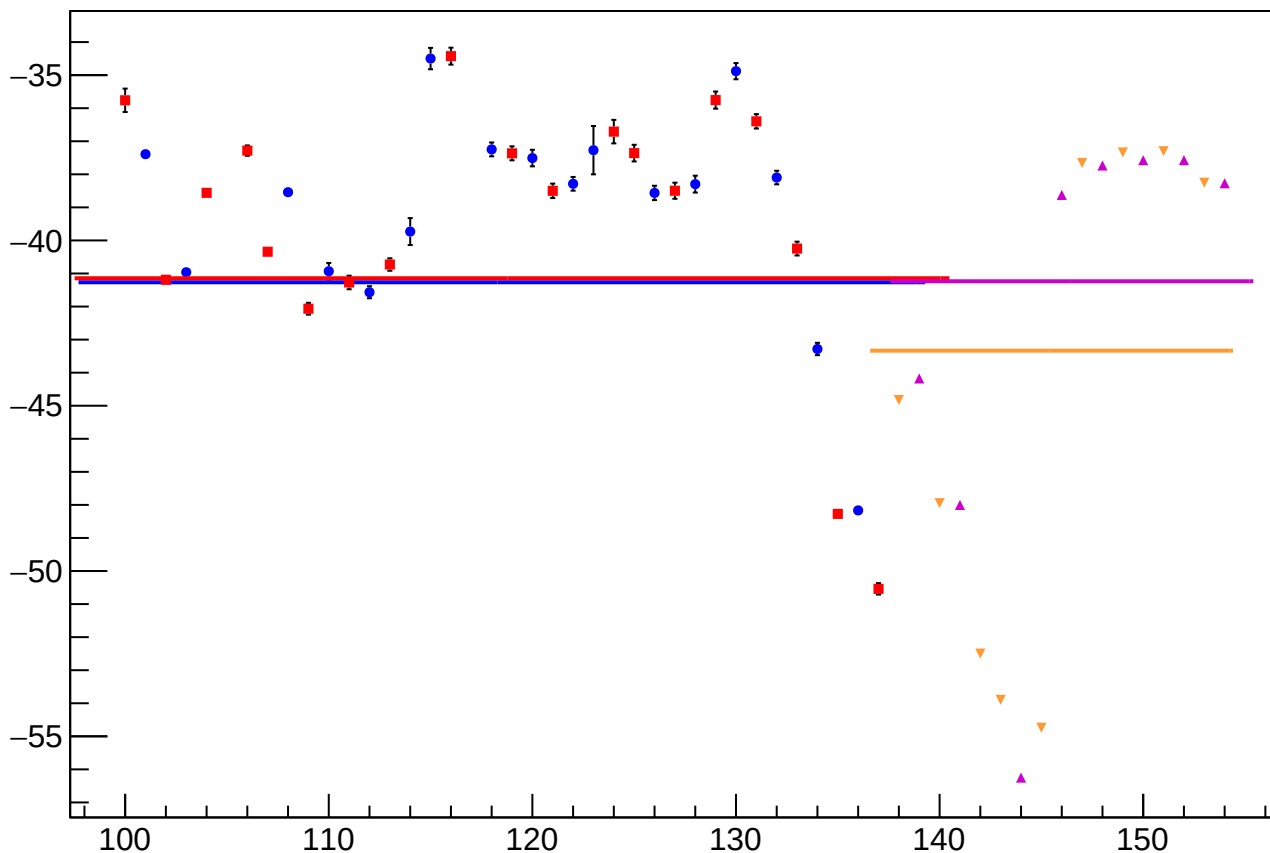
Right: 9.038 $\pm$ 0.516 χ^2 /NDF: 826.6/35

In: 11.147 $\pm$ 0.439 χ^2 /NDF: 738.4/24

Out: 10.541 $\pm$ 0.439 χ^2 /NDF: 927.5/27

All: 10.844 $\pm$ 0.310 χ^2 /NDF: 1666.9/52

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.265 $\pm$ 0.038 χ^2 /NDF: 12570.1/16

Left Out: -43.335 $\pm$ 0.028 χ^2 /NDF: 59572.0/8

Right Out: -41.144 $\pm$ 0.039 χ^2 /NDF: 12218.7/18

Left In: -41.236 $\pm$ 0.027 χ^2 /NDF: 42155.0/7

Left: -42.261 $\pm$ 0.019 χ^2 /NDF: 104654.4/16

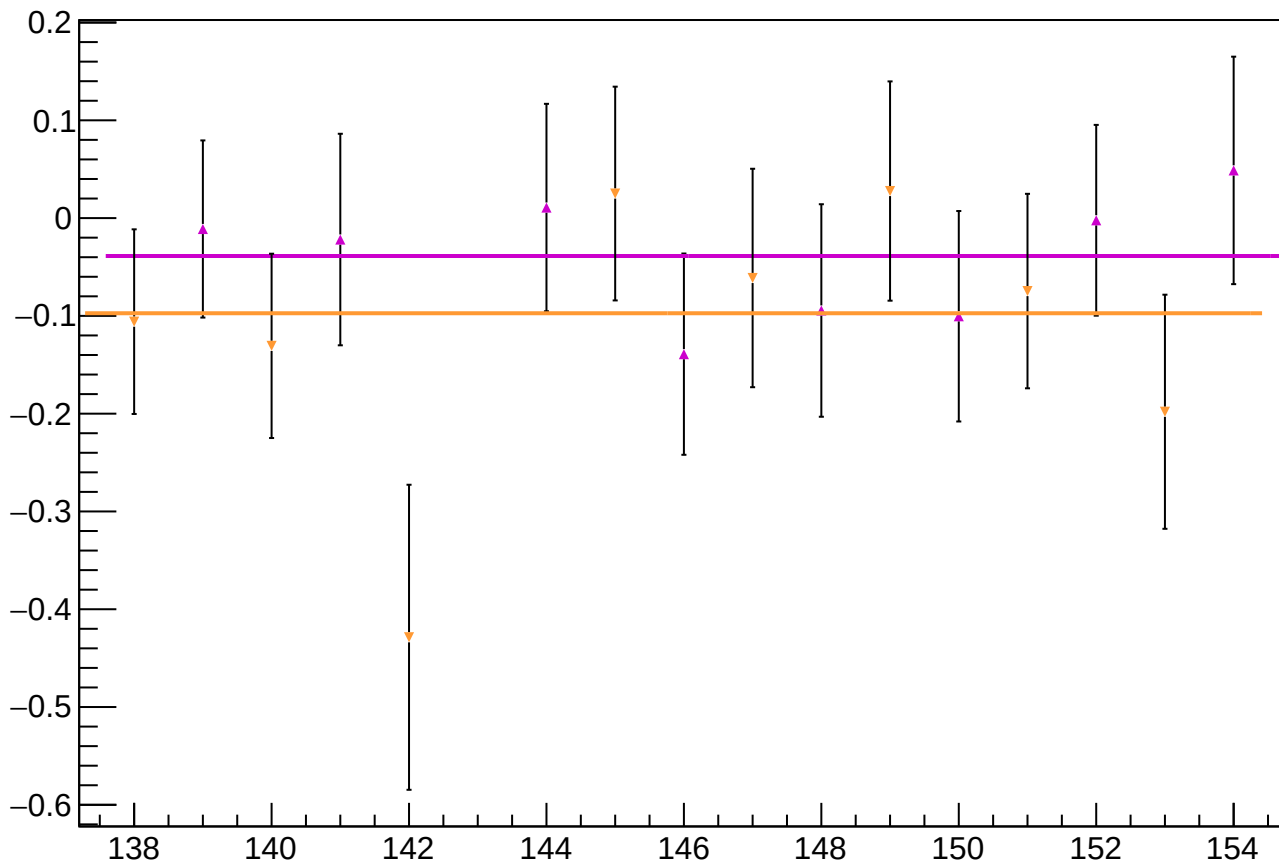
Right: -41.205 $\pm$ 0.027 χ^2 /NDF: 24793.7/35

In: -41.245 $\pm$ 0.022 χ^2 /NDF: 54725.4/24

Out: -42.589 $\pm$ 0.023 χ^2 /NDF: 73913.8/27

All: -41.906 $\pm$ 0.016 χ^2 /NDF: 130444.7/52

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -0.097 $\pm$ 0.038 χ^2 /NDF:8.0/7

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -0.039 $\pm$ 0.037 χ^2 /NDF:2.6/7

Left: -0.067 $\pm$ 0.027 χ^2 /NDF: 11.8/15

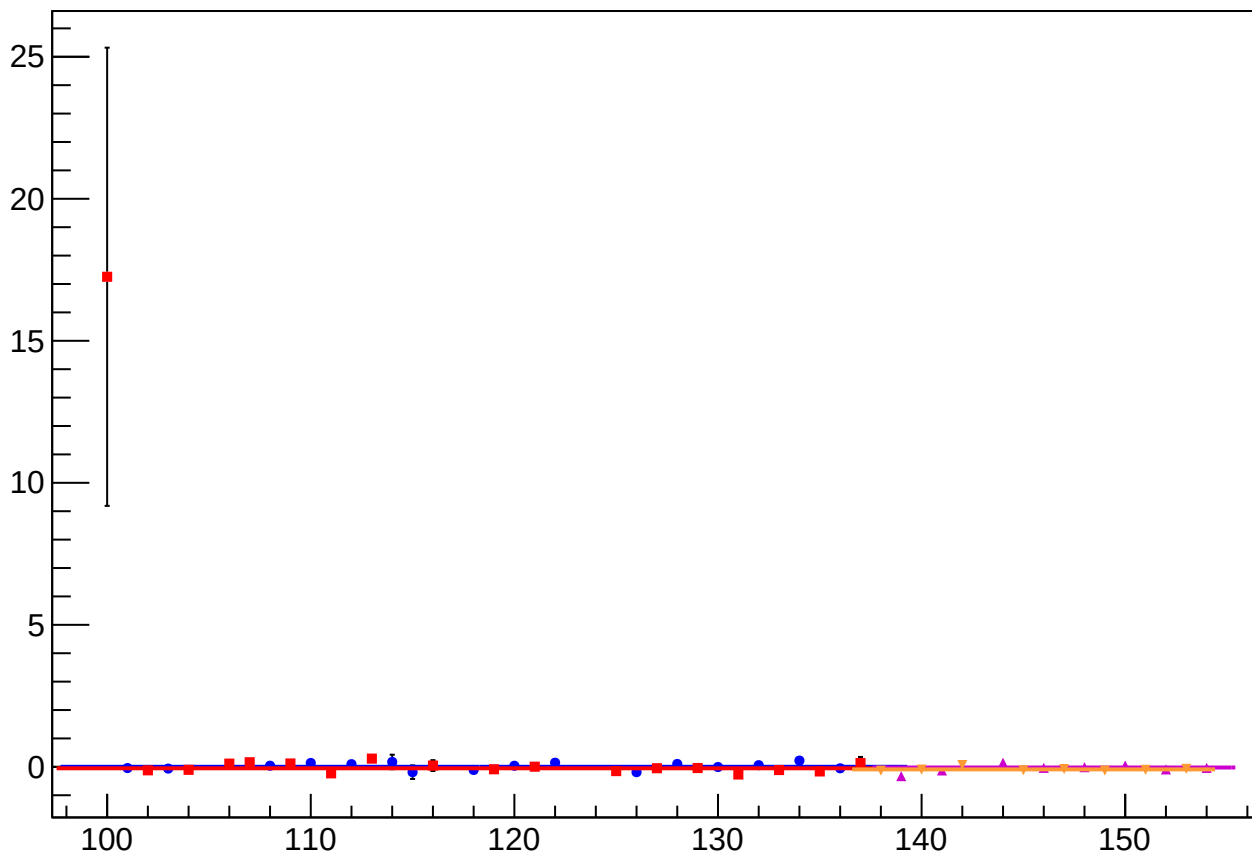
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.039 $\pm$ 0.037 χ^2 /NDF:2.6/7

Out: -0.097 $\pm$ 0.038 χ^2 /NDF:8.0/7

All: -0.067 $\pm$ 0.027 χ^2 /NDF: 11.8/15

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.002 ± 0.028 $\chi^2/\text{NDF}: 12.5/15$

Left Out: -0.090 ± 0.026 $\chi^2/\text{NDF}: 3.2/7$

Right Out: -0.051 ± 0.029 $\chi^2/\text{NDF}: 25.8/17$

Left In: -0.023 ± 0.026 $\chi^2/\text{NDF}: 11.9/7$

Left: -0.056 ± 0.018 $\chi^2/\text{NDF}: 18.5/15$

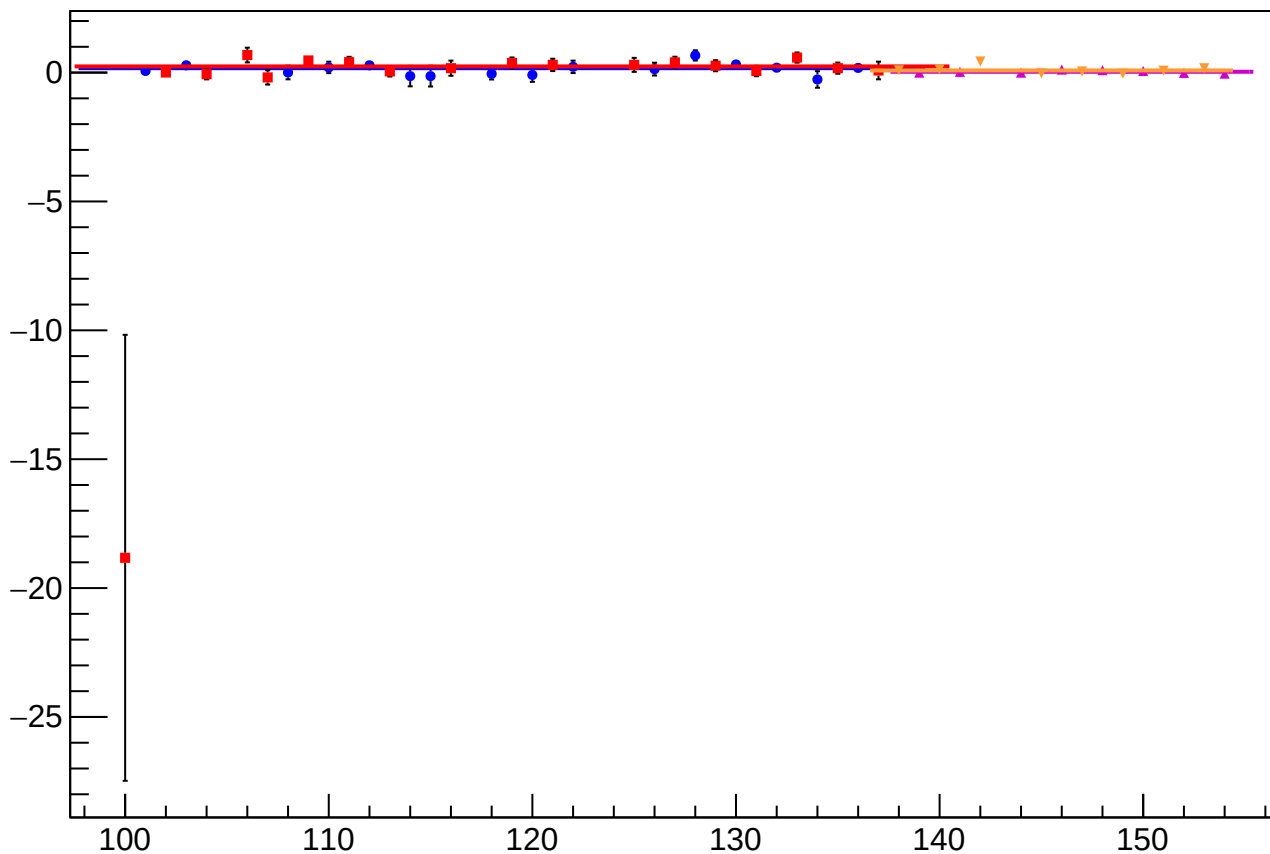
Right: -0.024 ± 0.020 $\chi^2/\text{NDF}: 40.0/33$

In: -0.012 ± 0.019 $\chi^2/\text{NDF}: 24.9/23$

Out: -0.073 ± 0.019 $\chi^2/\text{NDF}: 30.0/25$

All: -0.042 ± 0.014 $\chi^2/\text{NDF}: 59.9/49$

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.171 $\pm$ 0.052 χ^2 /NDF: 13.7/15

Left Out: 0.083 $\pm$ 0.038 χ^2 /NDF: 7.7/7

Right Out: 0.239 $\pm$ 0.054 χ^2 /NDF: 21.8/17

Left In: 0.032 $\pm$ 0.036 χ^2 /NDF: 2.1/7

Left: 0.056 $\pm$ 0.026 χ^2 /NDF: 10.7/15

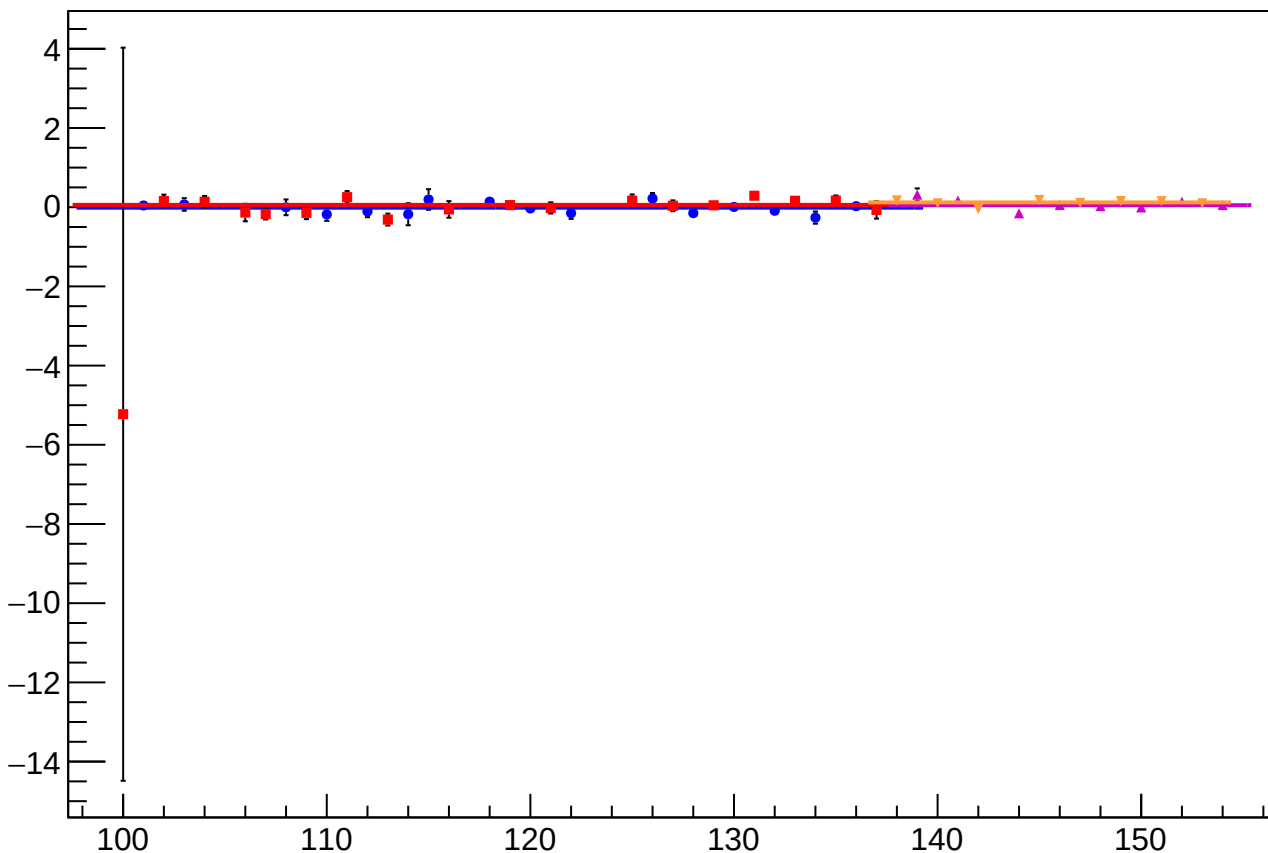
Right: 0.204 $\pm$ 0.038 χ^2 /NDF: 36.3/33

In: 0.077 $\pm$ 0.030 χ^2 /NDF: 20.5/23

Out: 0.135 $\pm$ 0.031 χ^2 /NDF: 35.1/25

All: 0.105 $\pm$ 0.022 χ^2 /NDF: 57.4/49

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.011 ± 0.033 χ^2/NDF : 13.8/15

Left Out: 0.121 ± 0.032 χ^2/NDF : 3.0/7

Right Out: 0.059 ± 0.034 χ^2/NDF : 20.6/17

Left In: 0.051 ± 0.031 χ^2/NDF : 11.2/7

Left: 0.085 ± 0.022 χ^2/NDF : 16.7/15

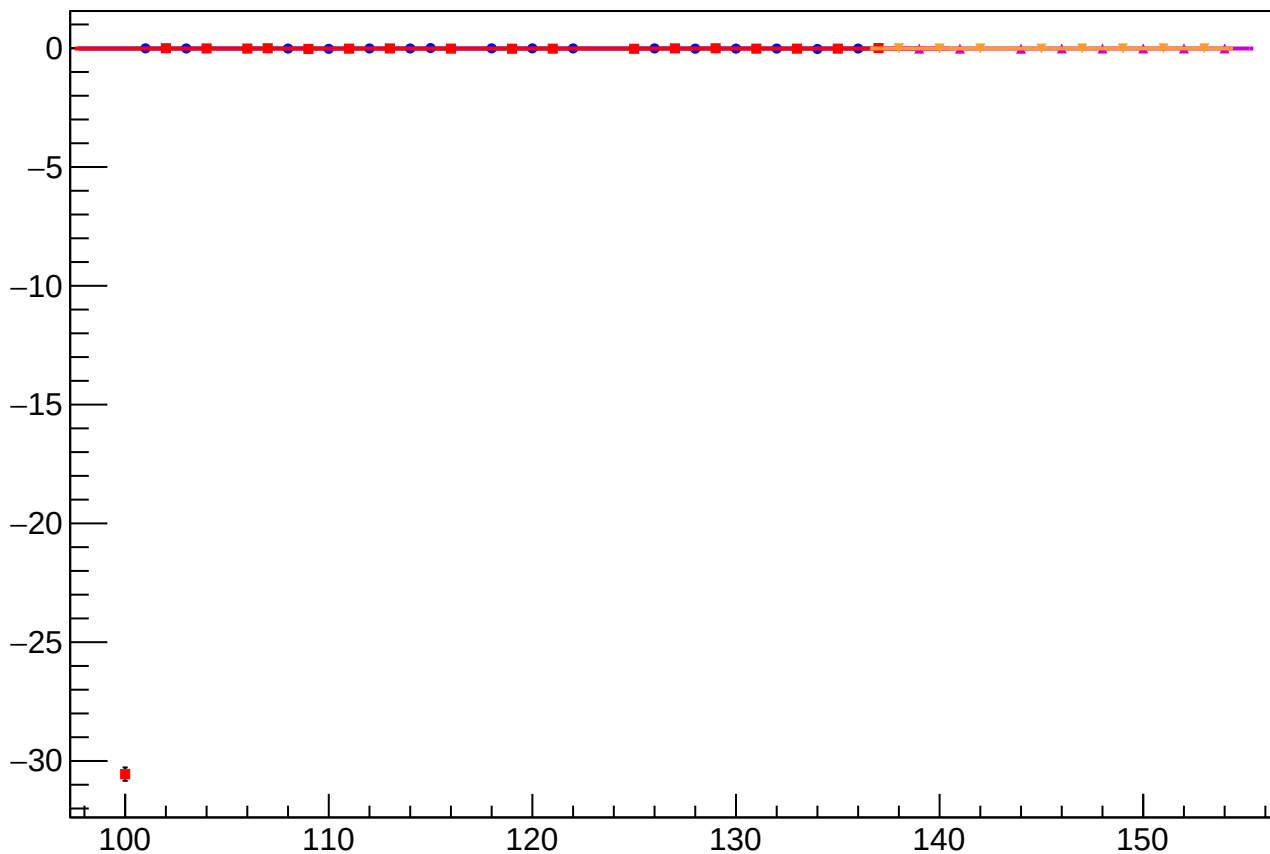
Right: 0.022 ± 0.023 χ^2/NDF : 36.5/33

In: 0.021 ± 0.023 χ^2/NDF : 26.9/23

Out: 0.091 ± 0.023 χ^2/NDF : 25.3/25

All: 0.055 ± 0.016 χ^2/NDF : 56.9/49

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 ± 0.002 χ^2/NDF : 12.9/15

Left Out: -0.009 ± 0.002 χ^2/NDF : 8.1/7

Right Out: -0.012 ± 0.002 χ^2/NDF : 11891.5/17

Left In: -0.012 ± 0.001 χ^2/NDF : 8.6/7

Left: -0.010 ± 0.001 χ^2/NDF : 19.1/15

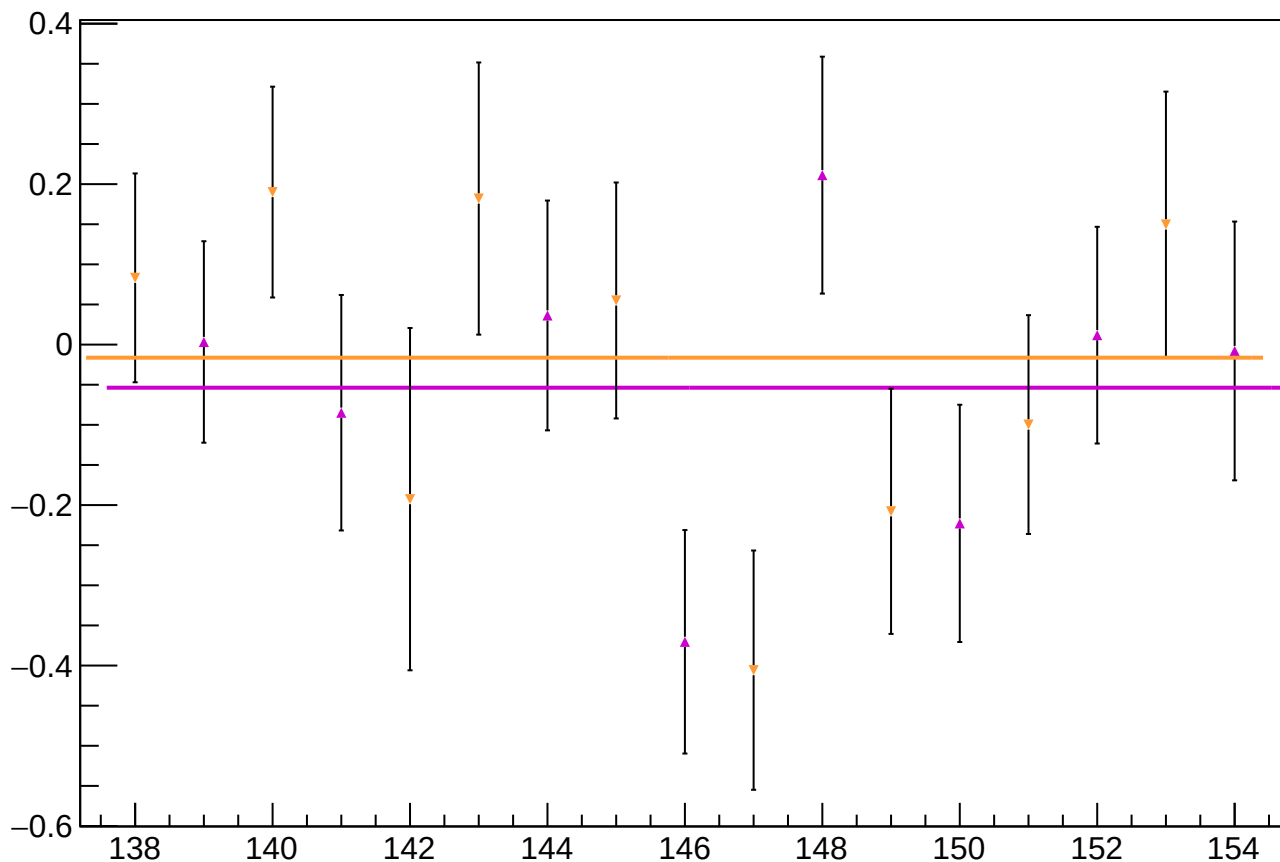
Right: -0.012 ± 0.001 χ^2/NDF : 11904.4/33

In: -0.012 ± 0.001 χ^2/NDF : 21.5/23

Out: -0.010 ± 0.001 χ^2/NDF : 11901.9/25

All: -0.011 ± 0.001 χ^2/NDF : 11924.5/49

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.016+/-0.050 χ^2/NDF :15.1/8

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

Left In: -0.054+/-0.050 χ^2/NDF :10.7/7

Left: -0.035+/-0.036 χ^2/NDF : 26.0/16

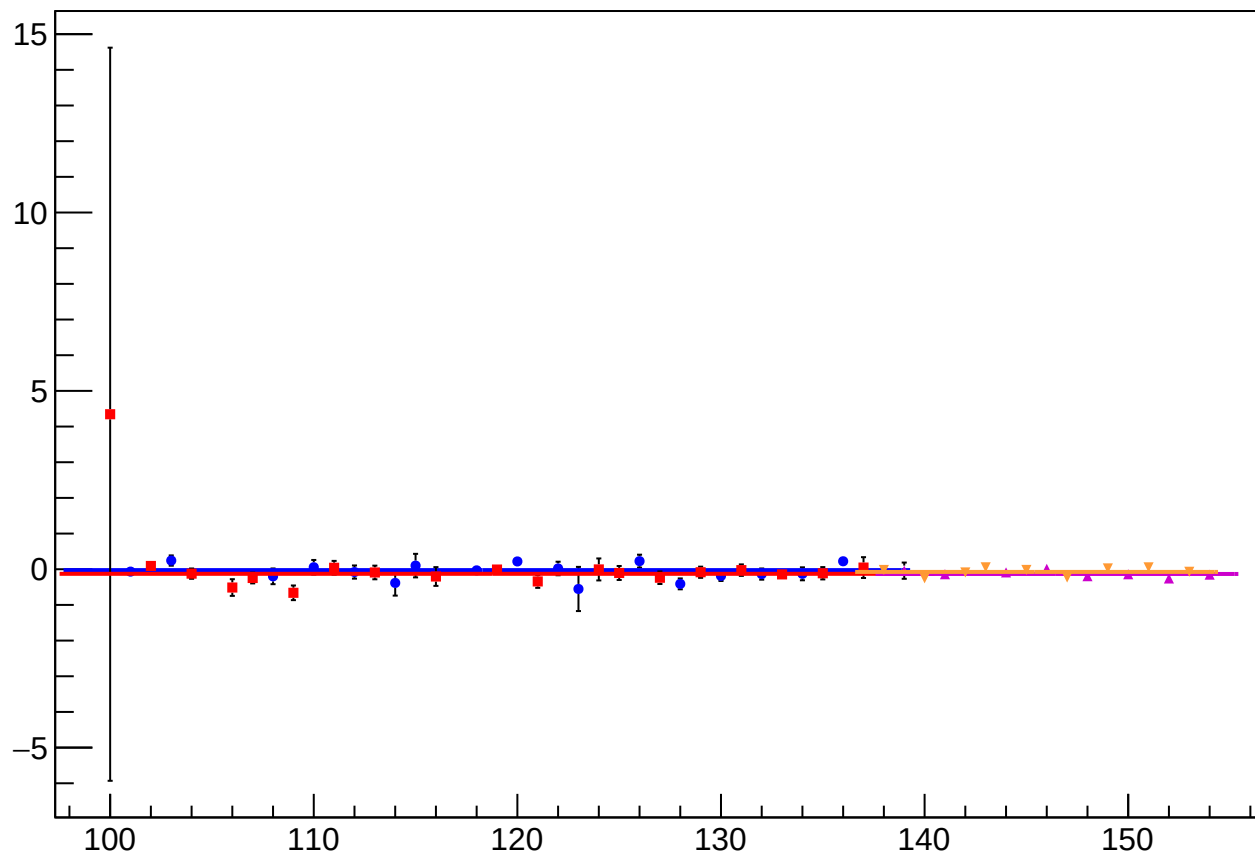
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -0.054+/-0.050 χ^2/NDF :10.7/7

Out: -0.016+/-0.050 χ^2/NDF :15.1/8

All: -0.035+/-0.036 χ^2/NDF : 26.0/16

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.024 ± 0.037 χ^2/NDF : 23.4/16

Left Out: -0.075 ± 0.034 χ^2/NDF : 13.0/8

Right Out: -0.128 ± 0.039 χ^2/NDF : 17.6/18

Left In: -0.132 ± 0.035 χ^2/NDF : 5.7/7

Left: -0.103 ± 0.024 χ^2/NDF : 20.1/16

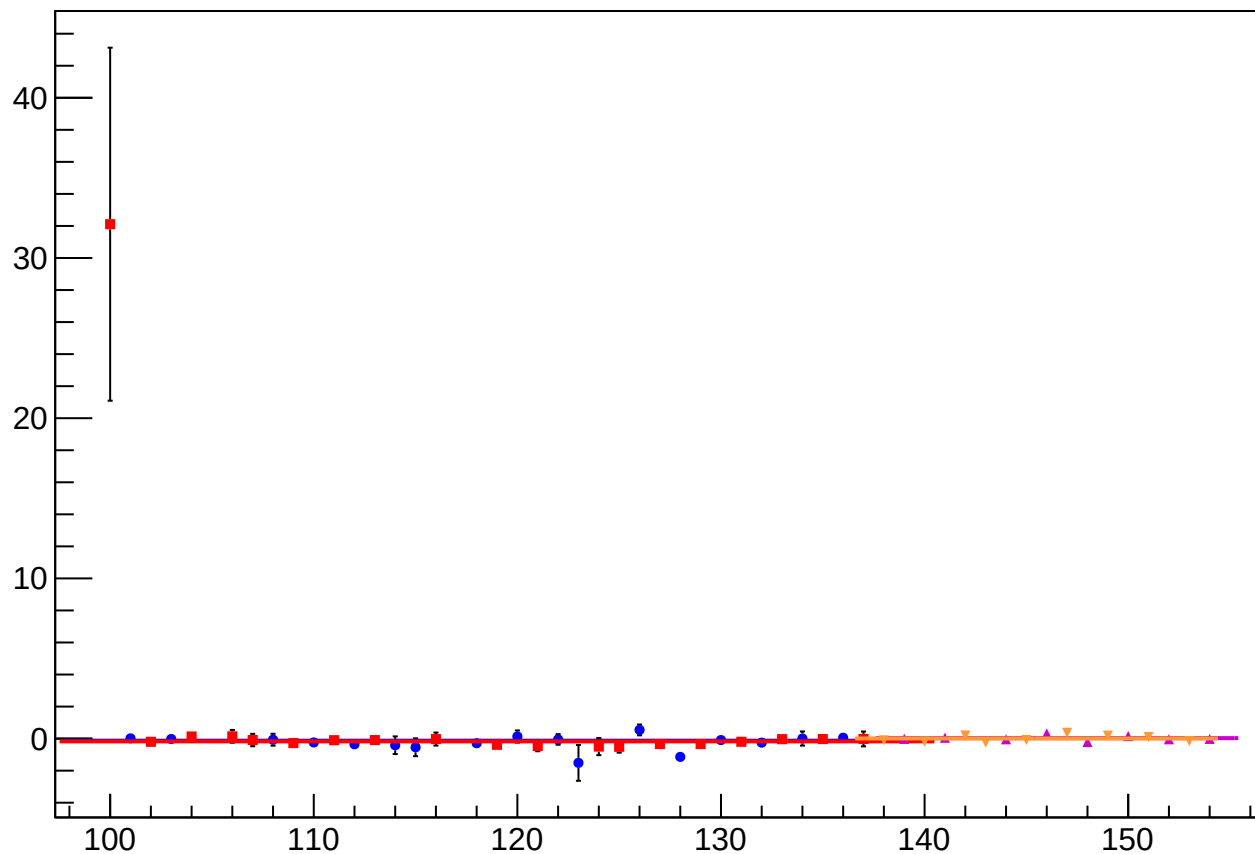
Right: -0.072 ± 0.027 χ^2/NDF : 44.7/35

In: -0.081 ± 0.025 χ^2/NDF : 33.7/24

Out: -0.098 ± 0.026 χ^2/NDF : 31.6/27

All: -0.089 ± 0.018 χ^2/NDF : 65.5/52

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.129 ± 0.067 $\chi^2/\text{NDF}: 23.7/16$

Left Out: 0.009 ± 0.050 $\chi^2/\text{NDF}: 15.4/8$

Right Out: -0.172 ± 0.071 $\chi^2/\text{NDF}: 15.0/18$

Left In: 0.030 ± 0.050 $\chi^2/\text{NDF}: 9.4/7$

Left: 0.020 ± 0.035 $\chi^2/\text{NDF}: 24.9/16$

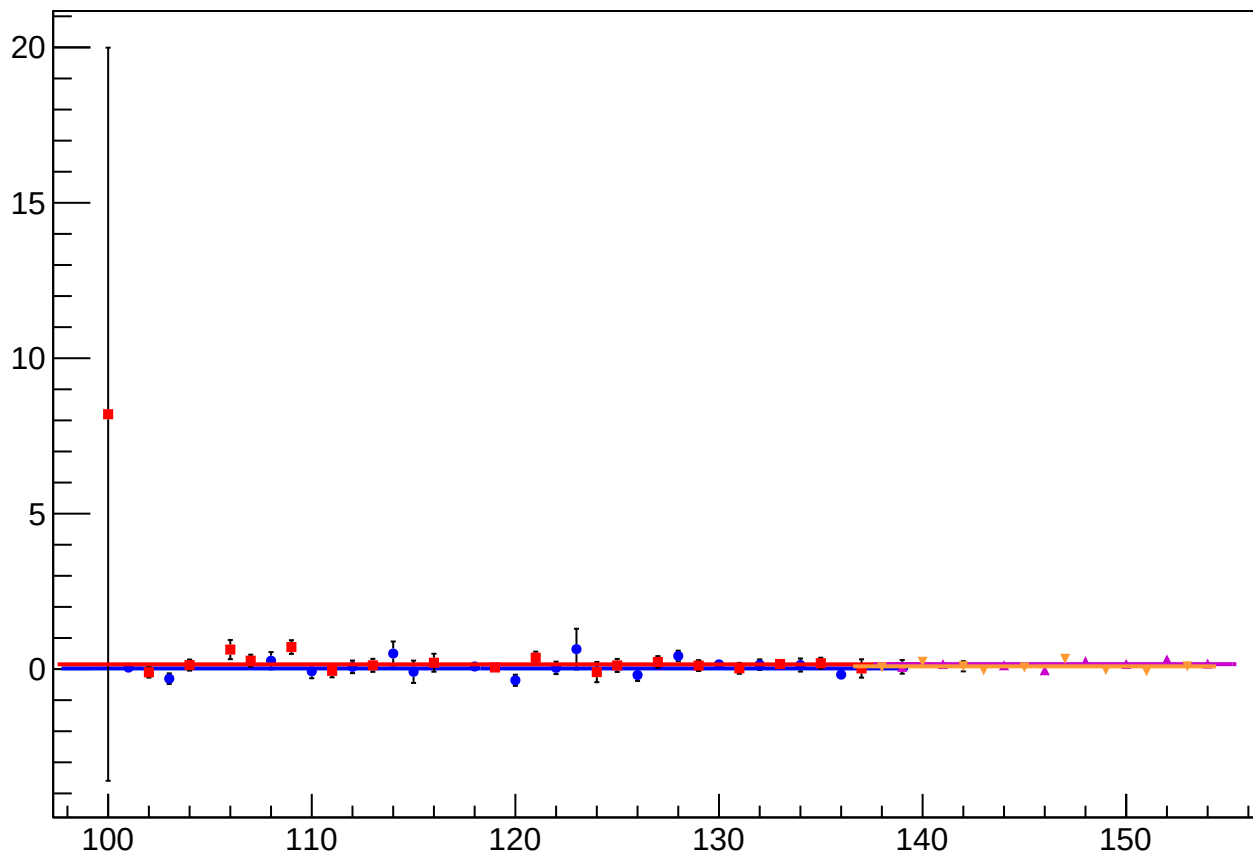
Right: -0.149 ± 0.049 $\chi^2/\text{NDF}: 39.0/35$

In: -0.027 ± 0.040 $\chi^2/\text{NDF}: 36.8/24$

Out: -0.051 ± 0.041 $\chi^2/\text{NDF}: 34.8/27$

All: -0.039 ± 0.029 $\chi^2/\text{NDF}: 71.8/52$

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.021+/-0.042 χ^2/NDF : 22.5/16

Left Out: 0.088+/-0.042 χ^2/NDF : 11.8/8

Right Out: 0.152+/-0.045 χ^2/NDF : 16.2/18

Left In: 0.158+/-0.043 χ^2/NDF : 6.2/7

Left: 0.122+/-0.030 χ^2/NDF : 19.5/16

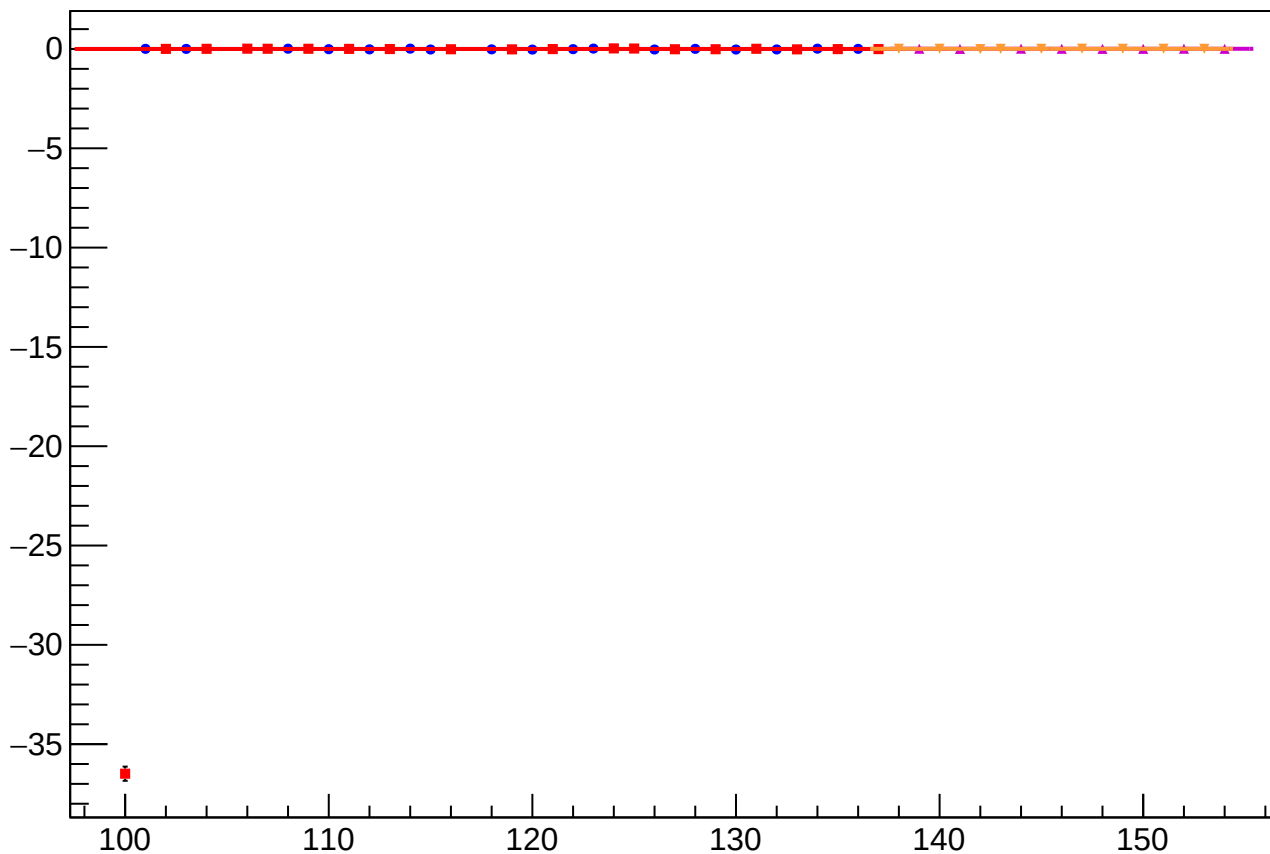
Right: 0.082+/-0.031 χ^2/NDF : 43.2/35

In: 0.089+/-0.030 χ^2/NDF : 34.0/24

Out: 0.117+/-0.031 χ^2/NDF : 29.2/27

All: 0.103+/-0.022 χ^2/NDF : 63.6/52

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 32.4/16

Left Out: 0.010 $\pm$ 0.002 χ^2 /NDF:4.6/8

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/18

Left In: 0.010 $\pm$ 0.002 χ^2 /NDF:3.2/7

Left: 0.010 $\pm$ 0.001 χ^2 /NDF: 7.8/16

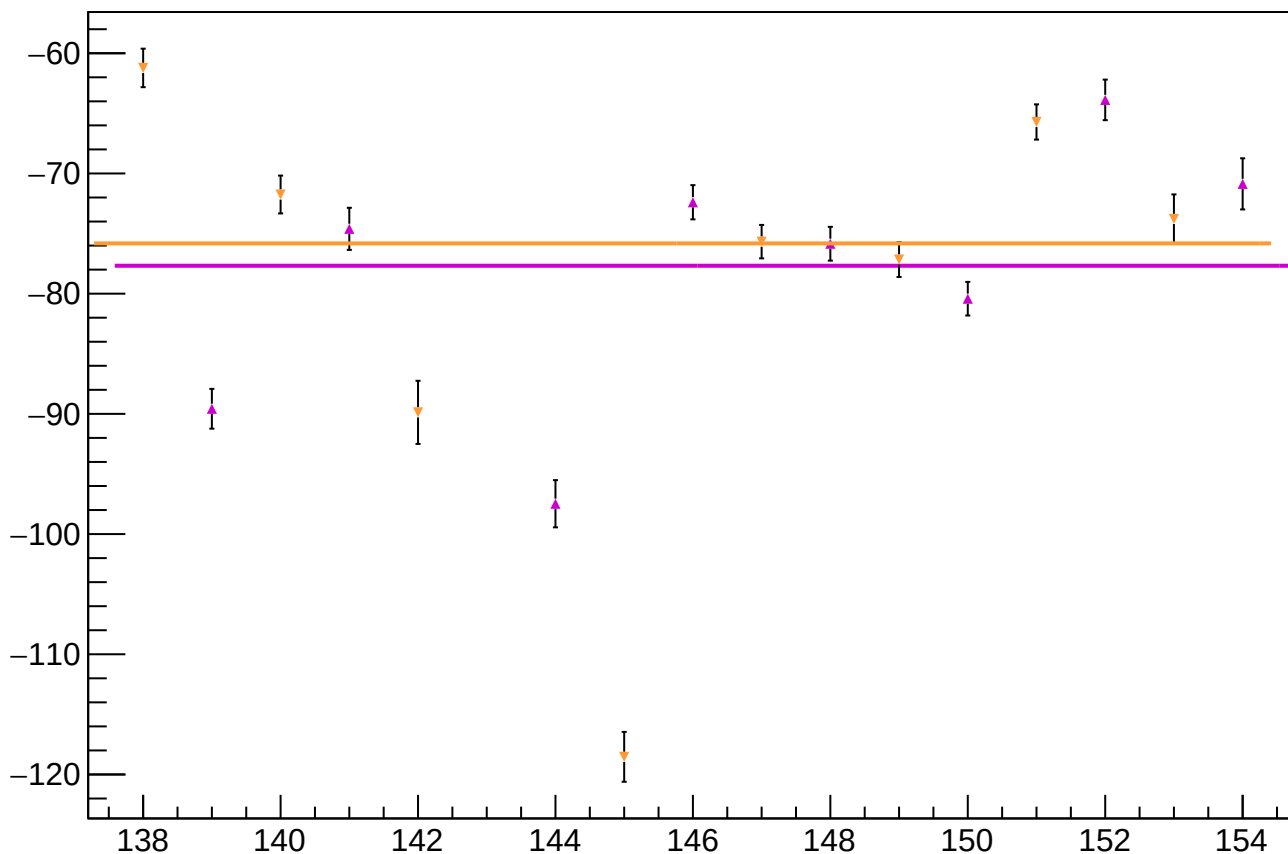
Right: 0.001 $\pm$ 0.002 χ^2 /NDF: 10481.5/35

In: 0.006 $\pm$ 0.001 χ^2 /NDF:44.8/24

Out: 0.006 $\pm$ 0.002 χ^2 /NDF:10462.3/27

All: 0.006 $\pm$ 0.001 χ^2 /NDF: 10507.1/52

reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -75.818+/-0.590 χ^2/NDF : 591.3/7

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

Left In: -77.677+/-0.574 χ^2/NDF : 252.8/7

Left: -76.773+/-0.412 χ^2/NDF : 849.2/15

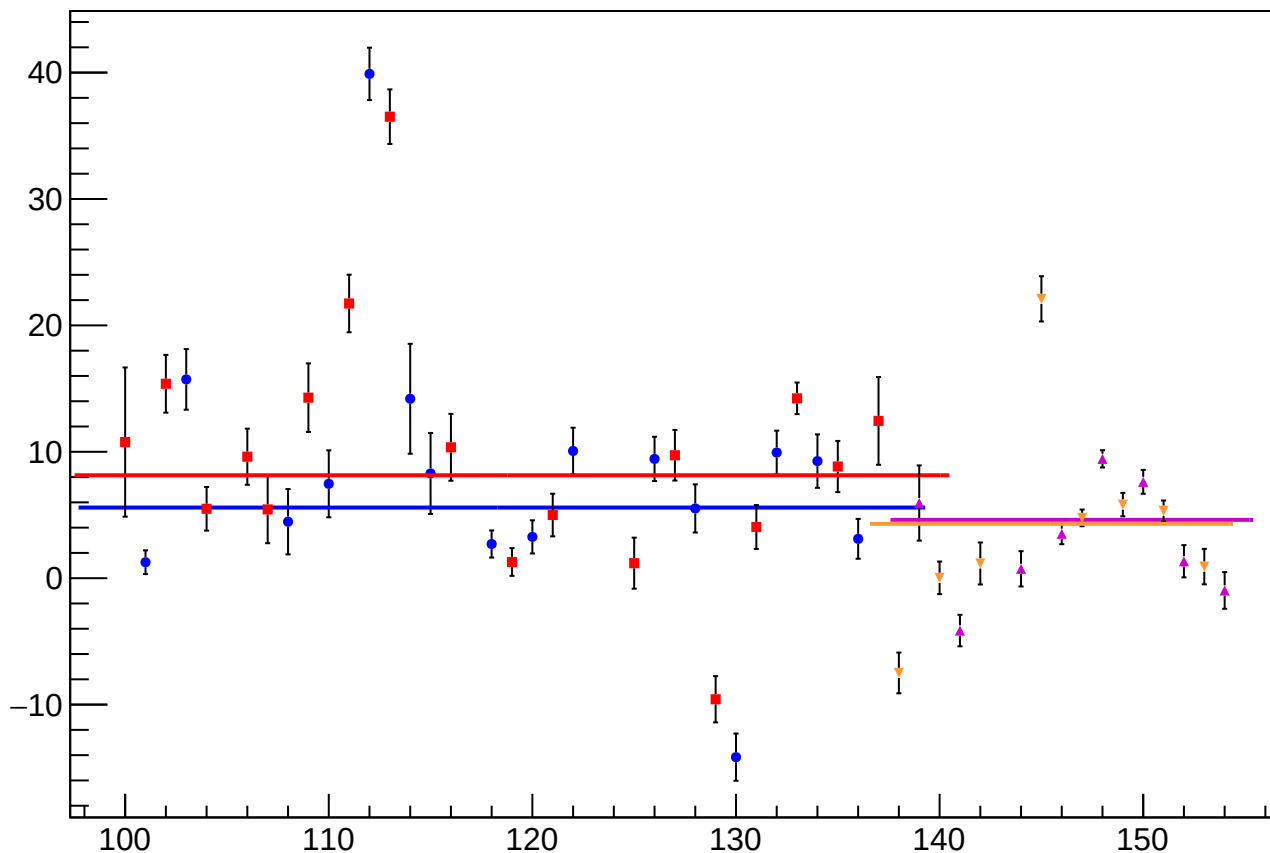
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -77.677+/-0.574 χ^2/NDF : 252.8/7

Out: -75.818+/-0.590 χ^2/NDF : 591.3/7

All: -76.773+/-0.412 χ^2/NDF : 849.2/15

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.589 ± 0.424 $\chi^2/\text{NDF}: 462.8/15$

Left Out: 4.303 ± 0.374 $\chi^2/\text{NDF}: 177.9/7$

Right Out: 8.142 ± 0.454 $\chi^2/\text{NDF}: 407.7/17$

Left In: 4.616 ± 0.375 $\chi^2/\text{NDF}: 140.5/7$

Left: 4.459 ± 0.265 $\chi^2/\text{NDF}: 318.8/15$

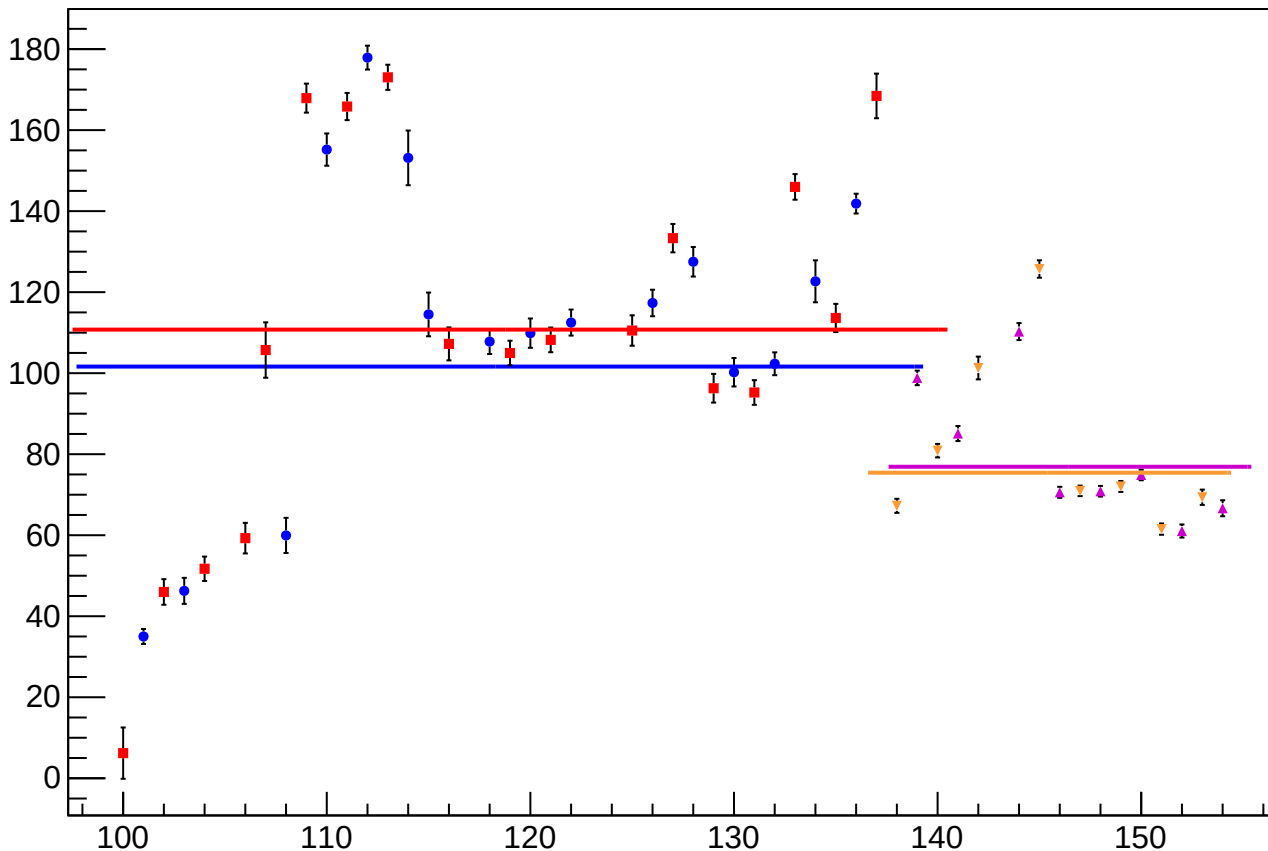
Right: 6.778 ± 0.310 $\chi^2/\text{NDF}: 887.4/33$

In: 5.044 ± 0.281 $\chi^2/\text{NDF}: 606.3/23$

Out: 5.856 ± 0.288 $\chi^2/\text{NDF}: 628.2/25$

All: 5.439 ± 0.201 $\chi^2/\text{NDF}: 1238.6/49$

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 101.631 $\pm$ 0.807 χ^2 /NDF: 2978.9/15

Left Out: 75.433 $\pm$ 0.581 χ^2 /NDF:789.7/7

Right Out: 110.756 $\pm$ 0.836 χ^2 /NDF: 2513.0/17

Left In: 76.901 $\pm$ 0.562 χ^2 /NDF:589.7/7

Left: 76.191 $\pm$ 0.404 χ^2 /NDF: 1382.7/15

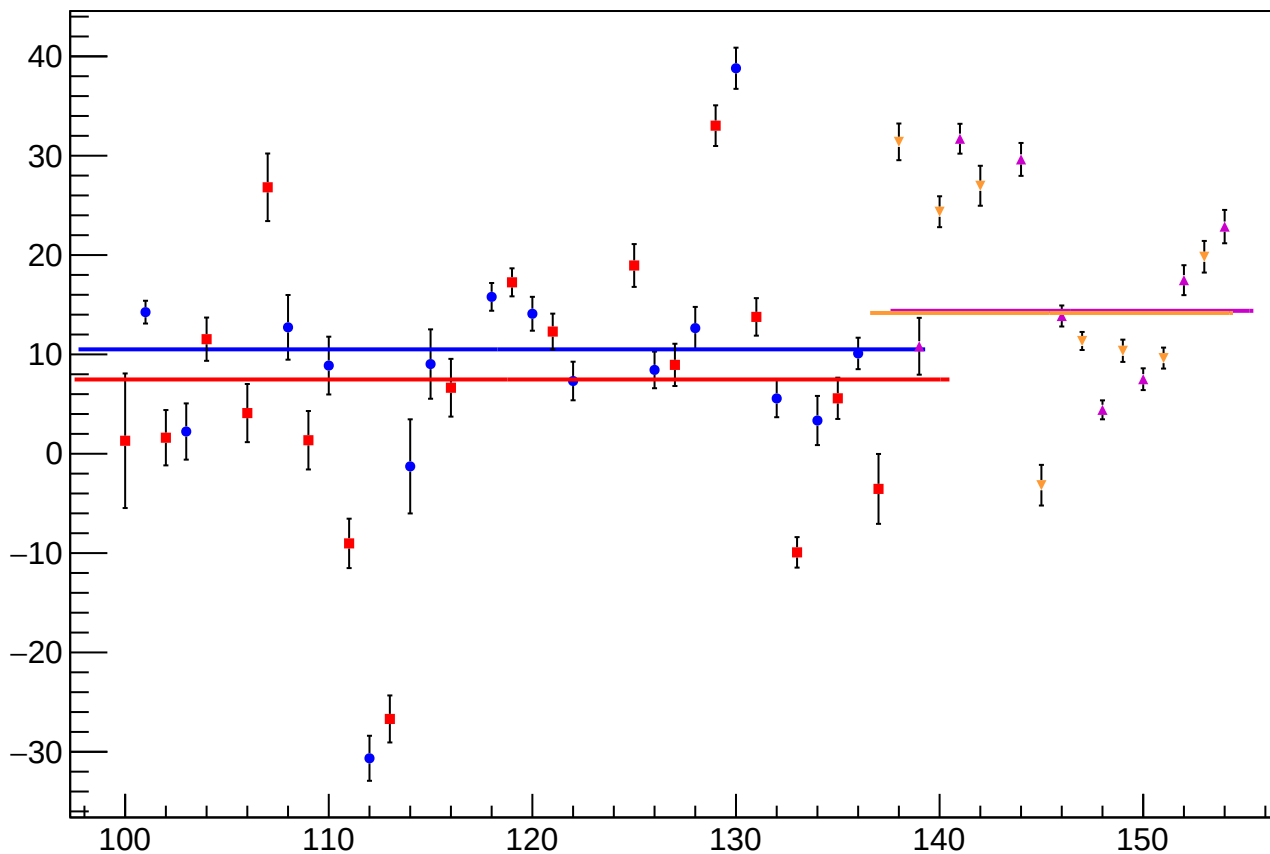
Right: 106.031 $\pm$ 0.581 χ^2 /NDF: 5553.5/33

In: 84.980 $\pm$ 0.461 χ^2 /NDF:4200.9/23

Out: 86.939 $\pm$ 0.477 χ^2 /NDF:4505.8/25

All: 85.926 $\pm$ 0.332 χ^2 /NDF: 8715.5/49

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.508 $\pm$ 0.492 χ^2 /NDF: 581.5/15

Left Out: 14.172 $\pm$ 0.472 χ^2 /NDF: 294.6/7

Right Out: 7.477 $\pm$ 0.524 χ^2 /NDF: 689.3/17

Left In: 14.387 $\pm$ 0.469 χ^2 /NDF: 397.8/7

Left: 14.280 $\pm$ 0.333 χ^2 /NDF: 692.5/15

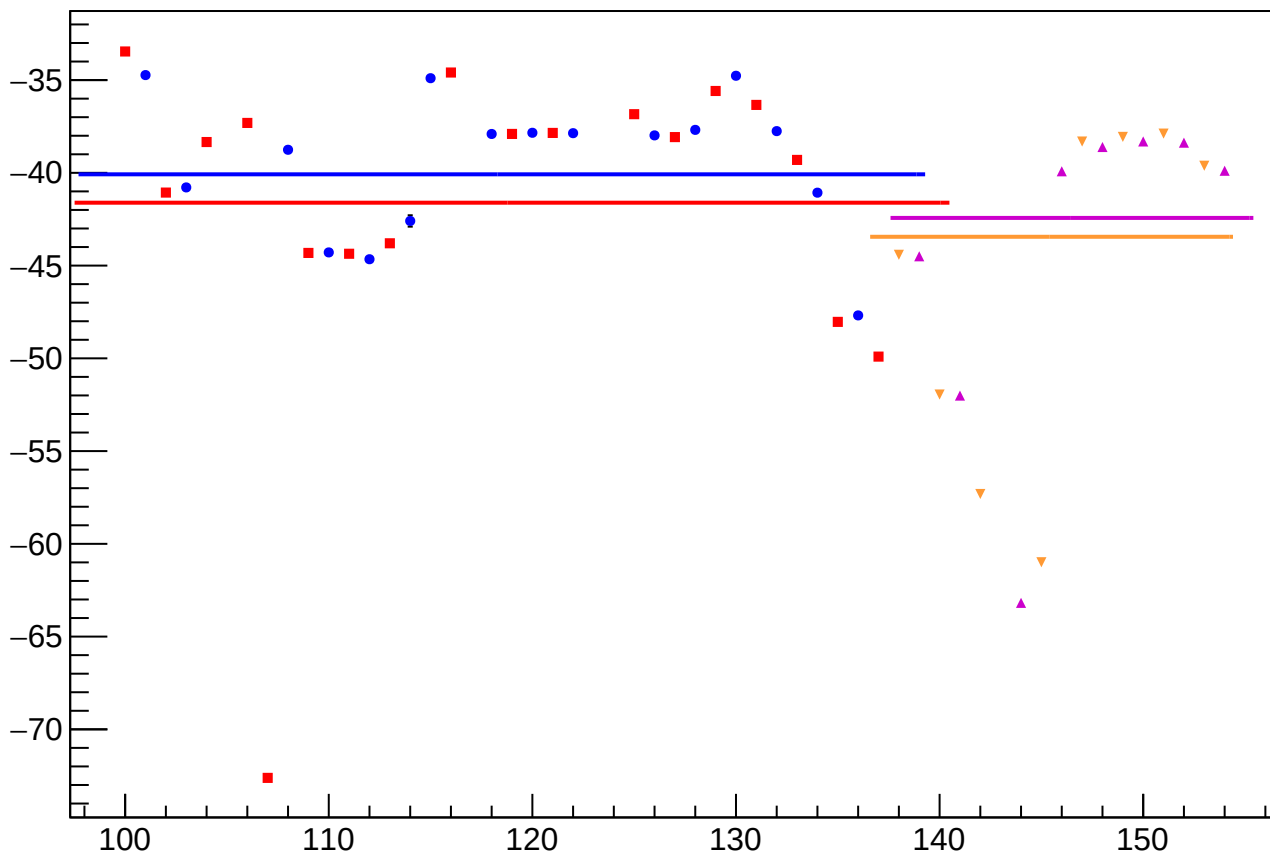
Right: 9.088 $\pm$ 0.359 χ^2 /NDF: 1288.6/33

In: 12.542 $\pm$ 0.339 χ^2 /NDF: 1011.9/23

Out: 11.174 $\pm$ 0.351 χ^2 /NDF: 1074.1/25

All: 11.880 $\pm$ 0.244 χ^2 /NDF: 2093.8/49

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.080 ± 0.028 χ^2/NDF : 25123.9/15

Left Out: -43.447 ± 0.025 χ^2/NDF : 98086.6/7

Right Out: -41.609 ± 0.029 χ^2/NDF : 61784.6/17

Left In: -42.430 ± 0.023 χ^2/NDF : 84935.1/7

Left: -42.907 ± 0.017 χ^2/NDF : 183933.7/15

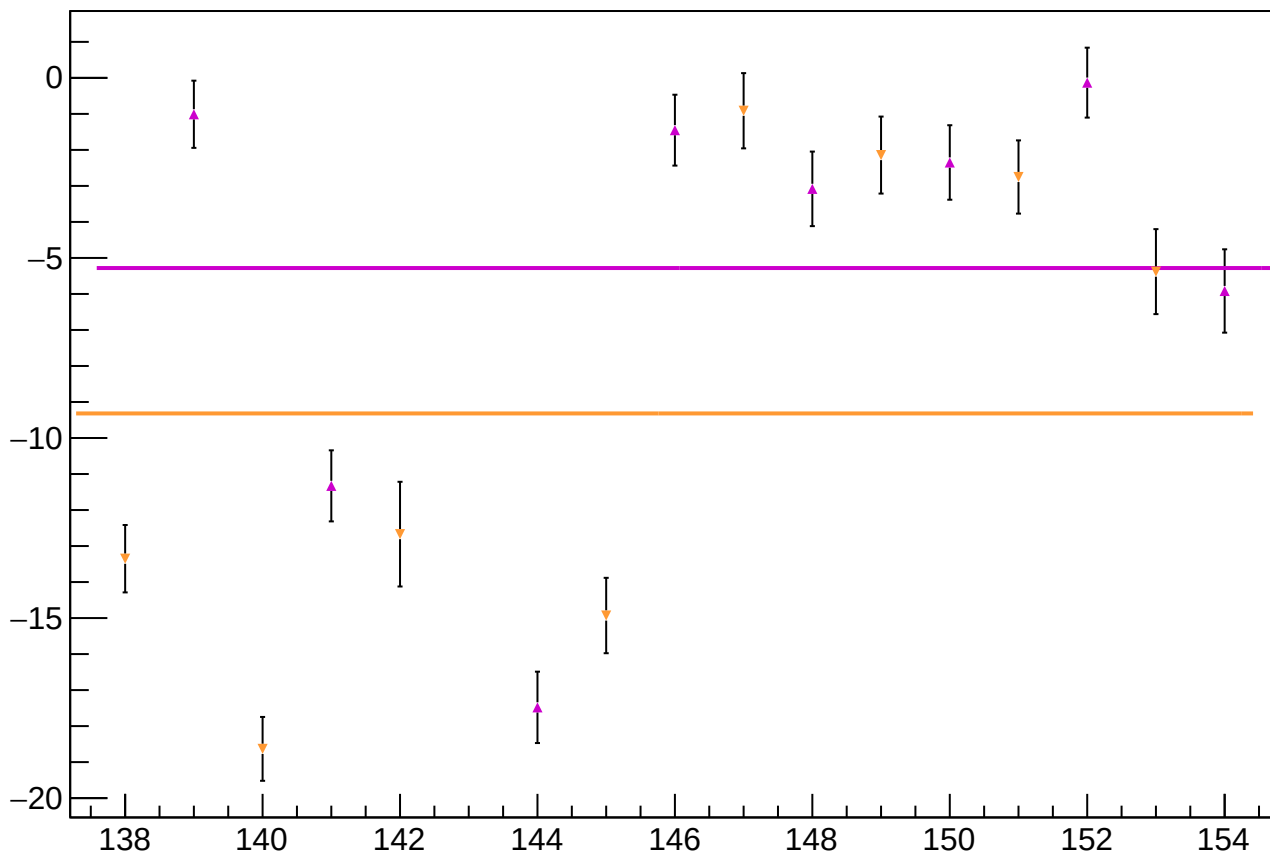
Right: -40.834 ± 0.020 χ^2/NDF : 88360.5/33

In: -41.488 ± 0.018 χ^2/NDF : 114223.0/23

Out: -42.667 ± 0.019 χ^2/NDF : 162251.1/25

All: -42.053 ± 0.013 χ^2/NDF : 278563.7/49

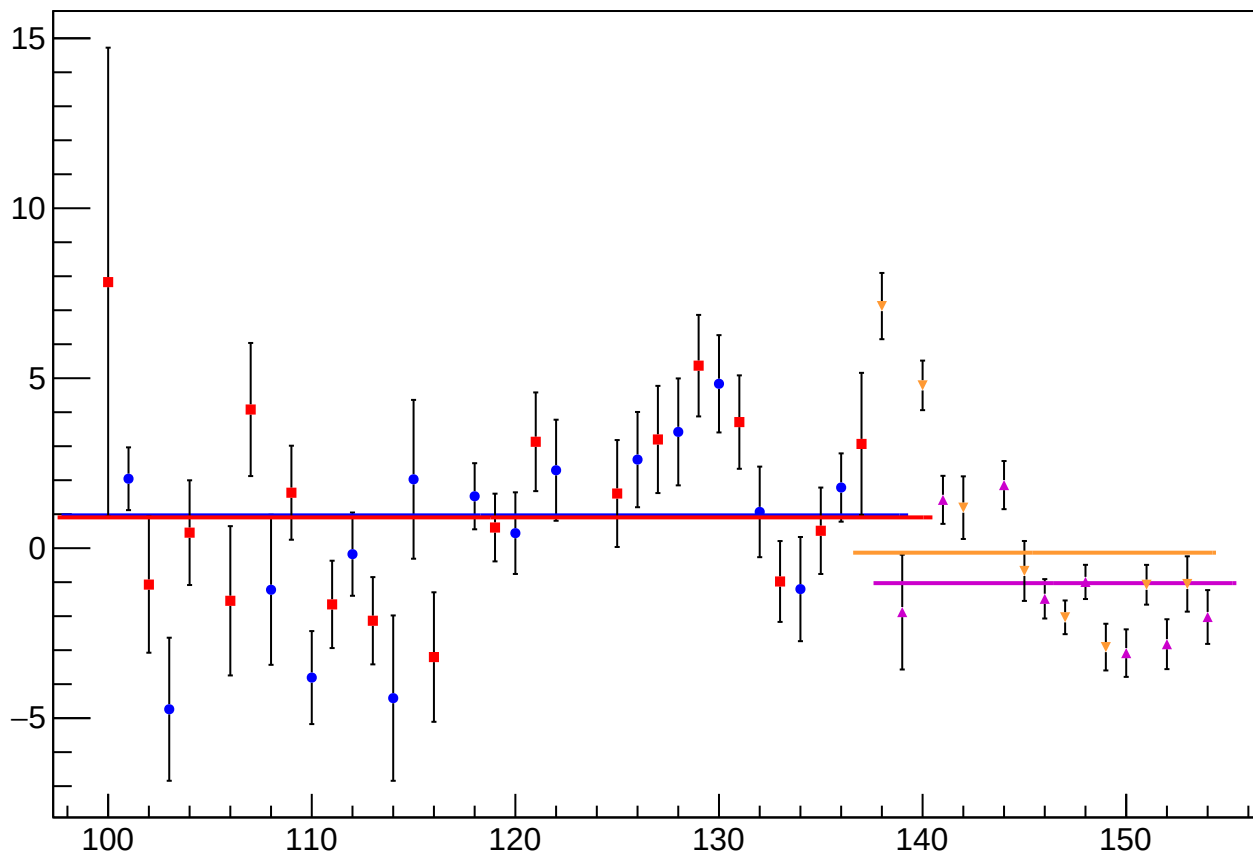
reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -9.318 $\pm$ 0.371 χ^2 /NDF:325.6/7
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -5.280 $\pm$ 0.356 χ^2 /NDF:266.1/7

Left: -7.216 $\pm$ 0.257 χ^2 /NDF: 653.5/15
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -5.280 $\pm$ 0.356 χ^2 /NDF:266.1/7
 Out: -9.318 $\pm$ 0.371 χ^2 /NDF:325.6/7
 All: -7.216 $\pm$ 0.257 χ^2 /NDF: 653.5/15

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.965 ± 0.338 $\chi^2/\text{NDF}: 42.9/15$

Left Out: -0.132 ± 0.250 $\chi^2/\text{NDF}: 138.4/7$

Right Out: 0.906 ± 0.354 $\chi^2/\text{NDF}: 42.0/17$

Left In: -1.028 ± 0.244 $\chi^2/\text{NDF}: 45.8/7$

Left: -0.591 ± 0.175 $\chi^2/\text{NDF}: 190.8/15$

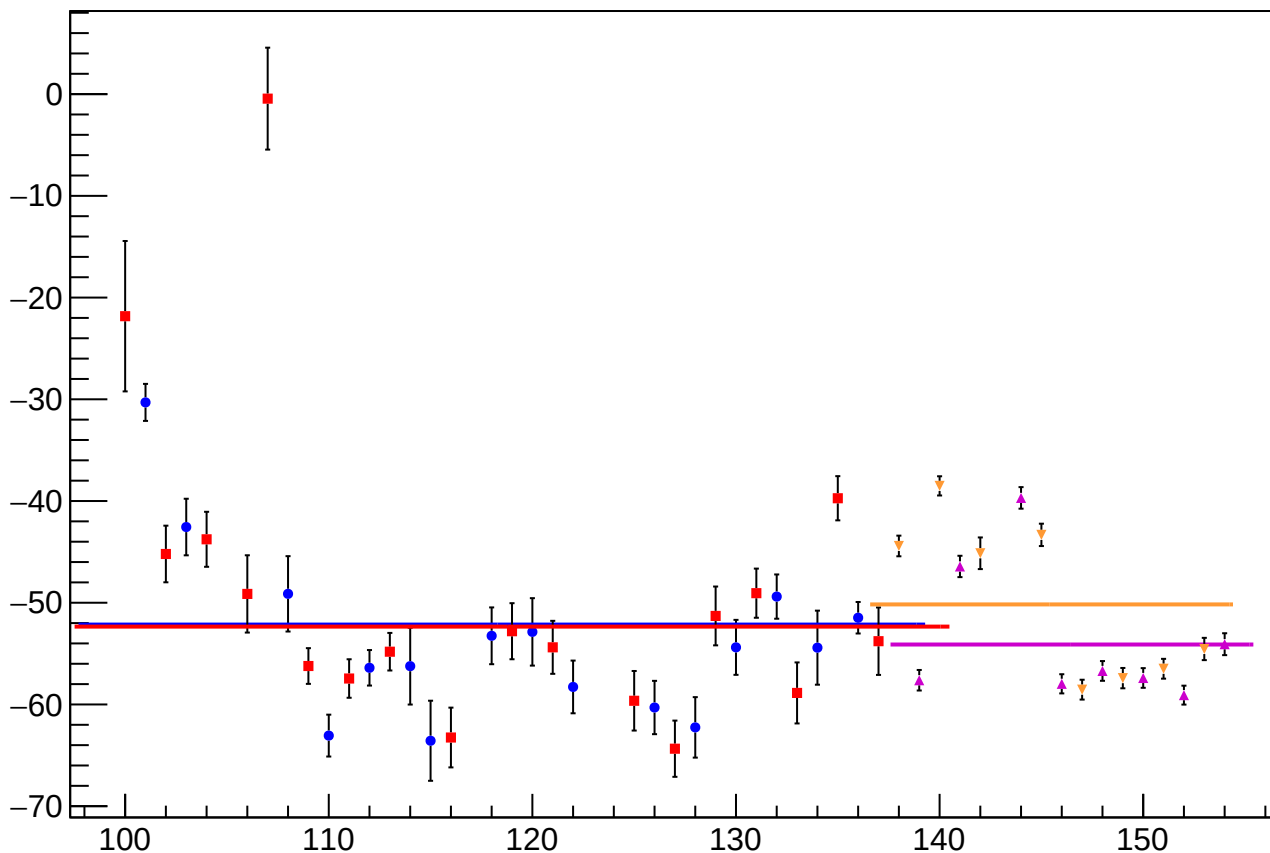
Right: 0.937 ± 0.244 $\chi^2/\text{NDF}: 84.9/33$

In: -0.345 ± 0.198 $\chi^2/\text{NDF}: 111.5/23$

Out: 0.213 ± 0.204 $\chi^2/\text{NDF}: 186.1/25$

All: -0.074 ± 0.142 $\chi^2/\text{NDF}: 301.5/49$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.148 ± 0.612 $\chi^2/\text{NDF}: 230.2/15$

Left Out: -50.165 ± 0.371 $\chi^2/\text{NDF}: 418.0/7$

Right Out: -52.346 ± 0.616 $\chi^2/\text{NDF}: 235.7/17$

Left In: -54.107 ± 0.352 $\chi^2/\text{NDF}: 314.6/7$

Left: -52.237 ± 0.255 $\chi^2/\text{NDF}: 792.1/15$

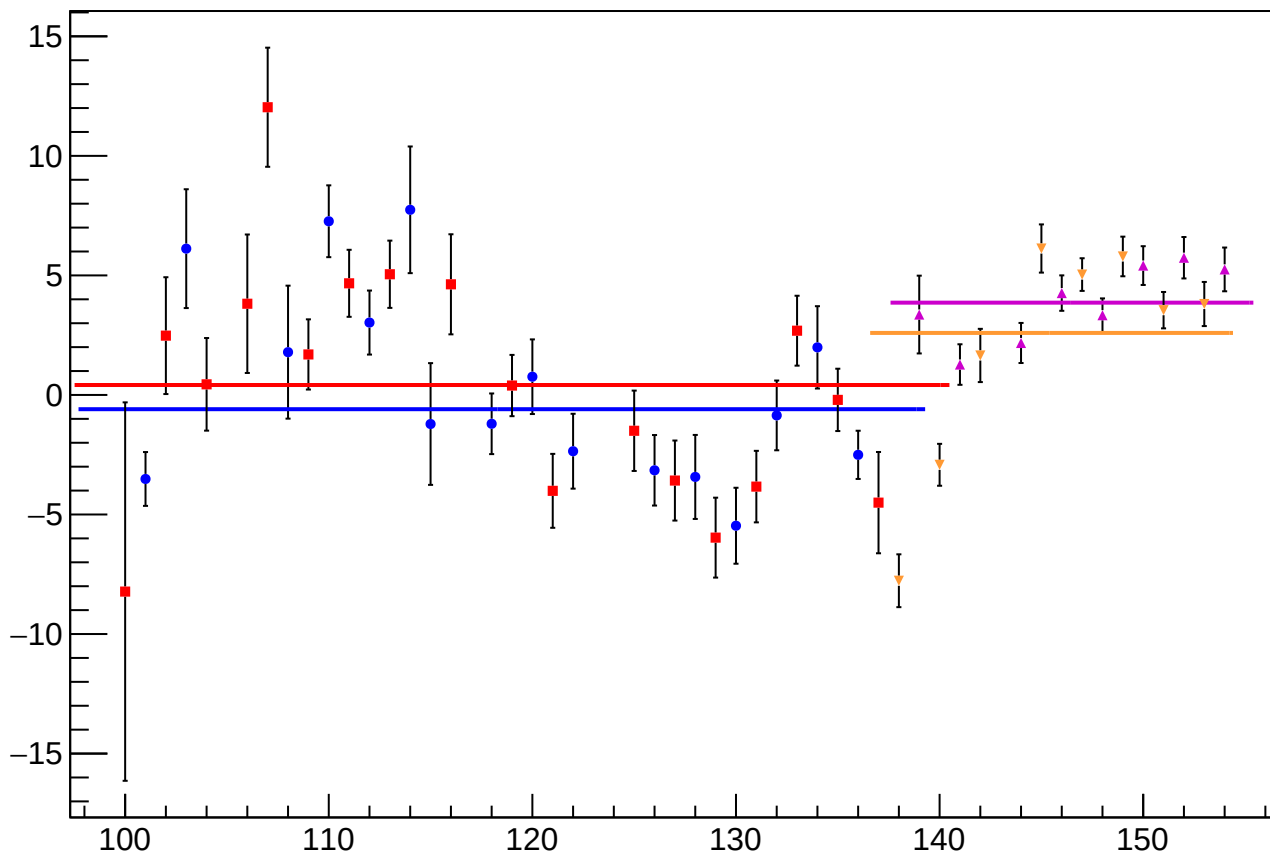
Right: -52.246 ± 0.434 $\chi^2/\text{NDF}: 466.0/33$

In: -53.619 ± 0.305 $\chi^2/\text{NDF}: 552.6/23$

Out: -50.745 ± 0.318 $\chi^2/\text{NDF}: 663.0/25$

All: -52.239 ± 0.220 $\chi^2/\text{NDF}: 1258.1/49$

reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.596 ± 0.384 χ^2/NDF : 82.6/15

Left Out: 2.594 ± 0.310 χ^2/NDF : 171.5/7

Right Out: 0.416 ± 0.400 χ^2/NDF : 95.8/17

Left In: 3.861 ± 0.300 χ^2/NDF : 25.0/7

Left: 3.247 ± 0.216 χ^2/NDF : 205.1/15

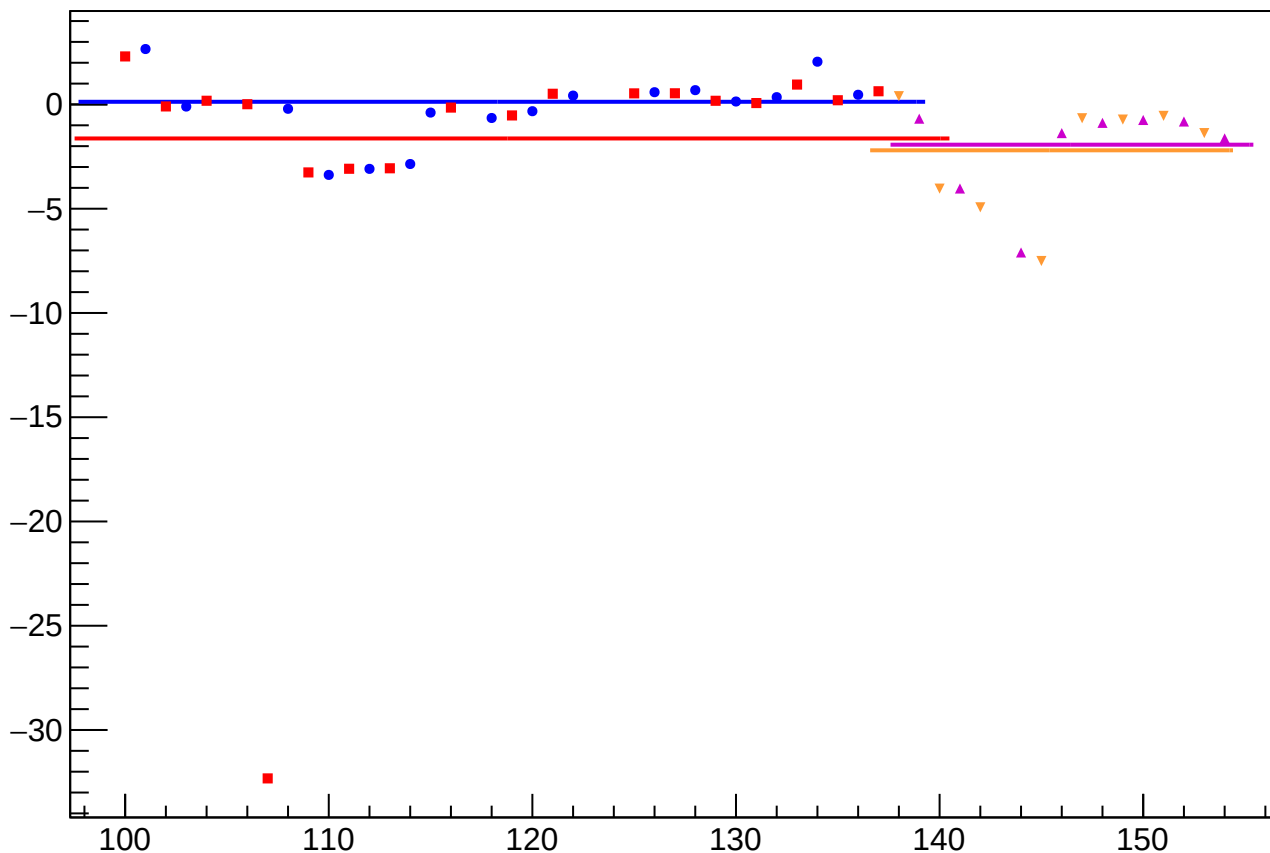
Right: -0.111 ± 0.277 χ^2/NDF : 181.7/33

In: 2.168 ± 0.237 χ^2/NDF : 191.2/23

Out: 1.776 ± 0.245 χ^2/NDF : 285.9/25

All: 1.979 ± 0.170 χ^2/NDF : 478.4/49

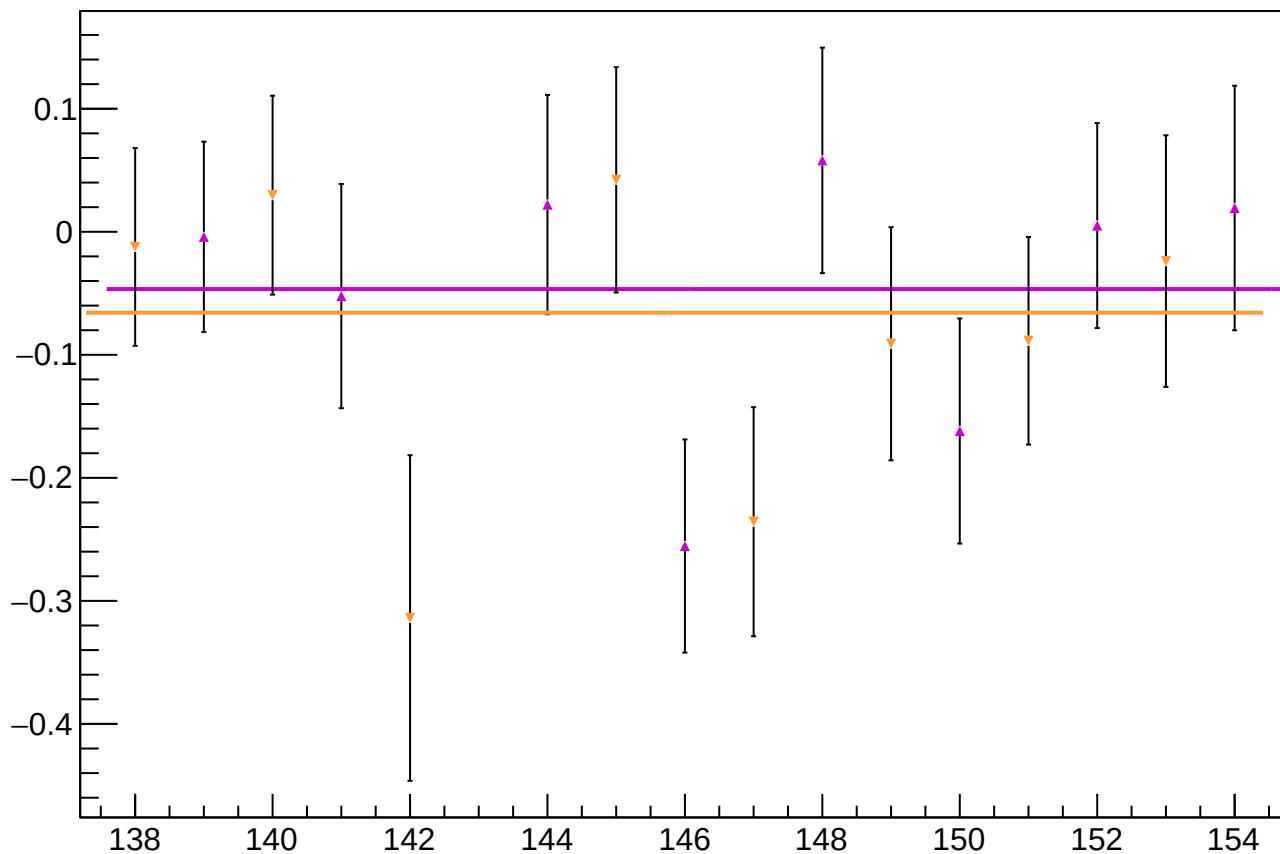
reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.128 ± 0.021 $\chi^2/\text{NDF}: 5252.9/15$
 Left Out: -2.199 ± 0.015 $\chi^2/\text{NDF}: 27569.2/7$
 Right Out: -1.631 ± 0.022 $\chi^2/\text{NDF}: 77878.6/17$
 Left In: -1.930 ± 0.014 $\chi^2/\text{NDF}: 18720.0/7$

Left: -2.055 ± 0.010 $\chi^2/\text{NDF}: 46455.4/15$
 Right: -0.739 ± 0.015 $\chi^2/\text{NDF}: 86433.1/33$
 In: -1.301 ± 0.012 $\chi^2/\text{NDF}: 30337.7/23$
 Out: -2.011 ± 0.013 $\chi^2/\text{NDF}: 105902.3/25$
 All: -1.637 ± 0.009 $\chi^2/\text{NDF}: 137929.3/49$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.066+/-0.032 χ^2/NDF : 10.4/7

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

Left In: -0.047+/-0.031 χ^2/NDF : 10.4/7

Left: -0.056+/-0.022 χ^2/NDF : 21.0/15

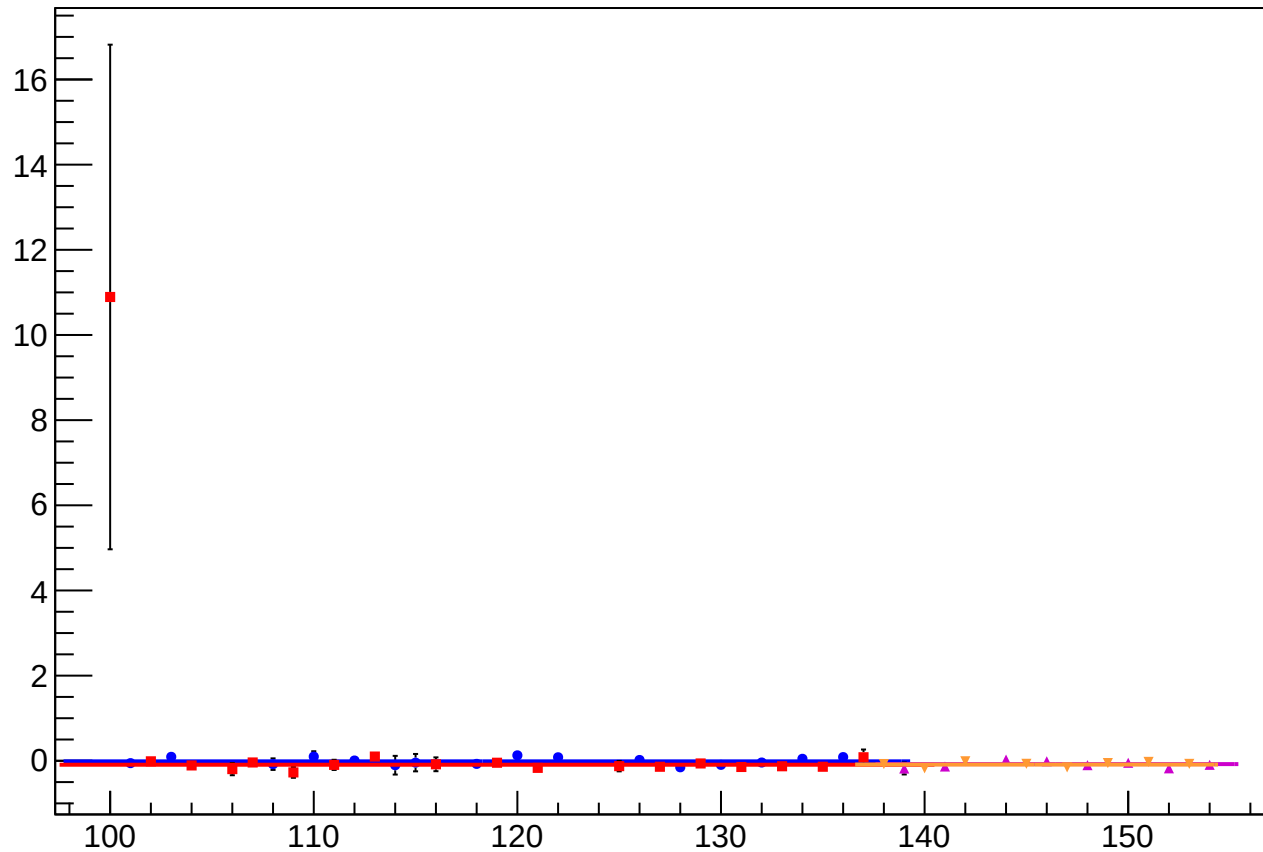
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -0.047+/-0.031 χ^2/NDF : 10.4/7

Out: -0.066+/-0.032 χ^2/NDF : 10.4/7

All: -0.056+/-0.022 χ^2/NDF : 21.0/15

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.023 $\chi^2/\text{NDF}: 12.2/15$

Left Out: -0.088 ± 0.022 $\chi^2/\text{NDF}: 7.0/7$

Right Out: -0.092 ± 0.025 $\chi^2/\text{NDF}: 12.7/17$

Left In: -0.077 ± 0.022 $\chi^2/\text{NDF}: 8.8/7$

Left: -0.083 ± 0.015 $\chi^2/\text{NDF}: 16.0/15$

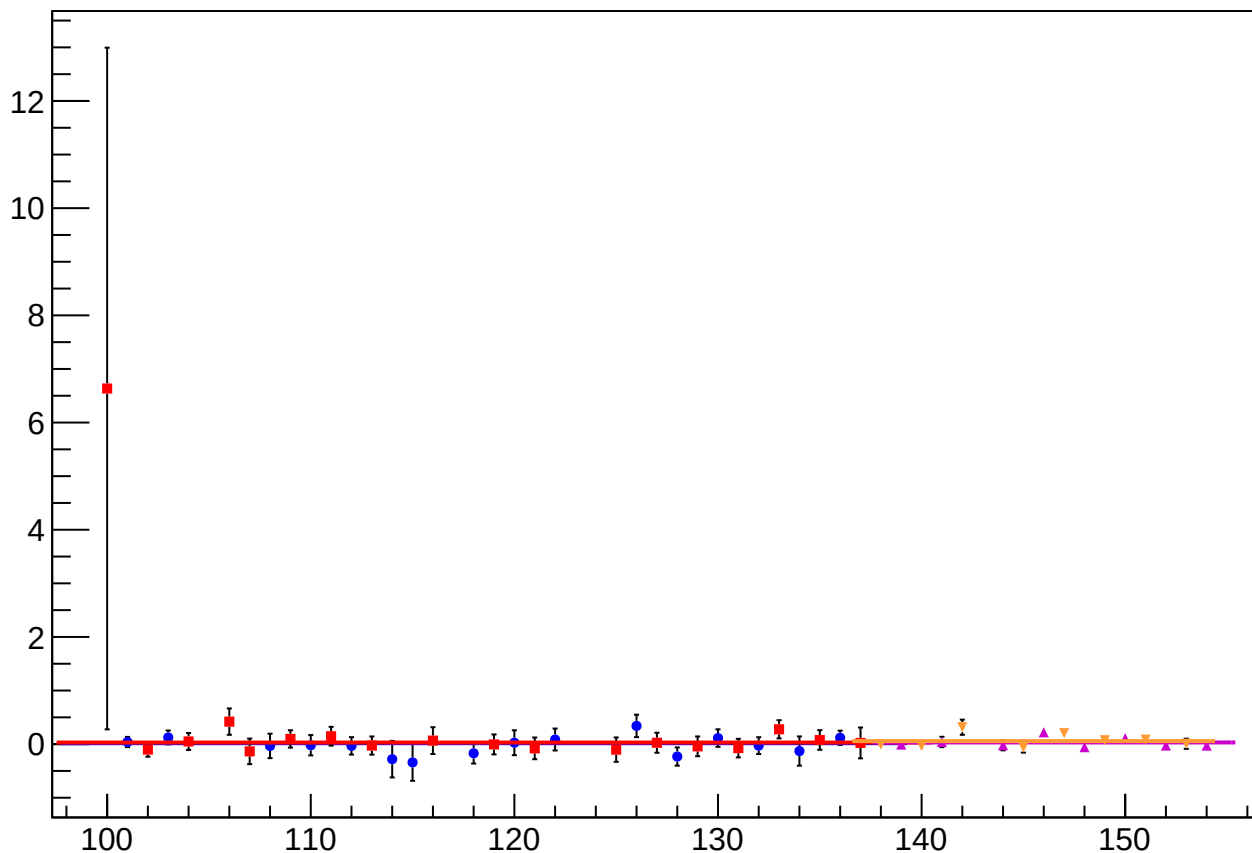
Right: -0.050 ± 0.017 $\chi^2/\text{NDF}: 30.3/33$

In: -0.048 ± 0.016 $\chi^2/\text{NDF}: 25.2/23$

Out: -0.090 ± 0.016 $\chi^2/\text{NDF}: 19.7/25$

All: -0.068 ± 0.011 $\chi^2/\text{NDF}: 48.3/49$

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.017+/-0.043 χ^2/NDF : 9.6/15

Left Out: 0.056+/-0.032 χ^2/NDF : 9.9/7

Right Out: 0.030+/-0.045 χ^2/NDF : 9.2/17

Left In: 0.031+/-0.031 χ^2/NDF : 8.6/7

Left: 0.043+/-0.022 χ^2/NDF : 18.8/15

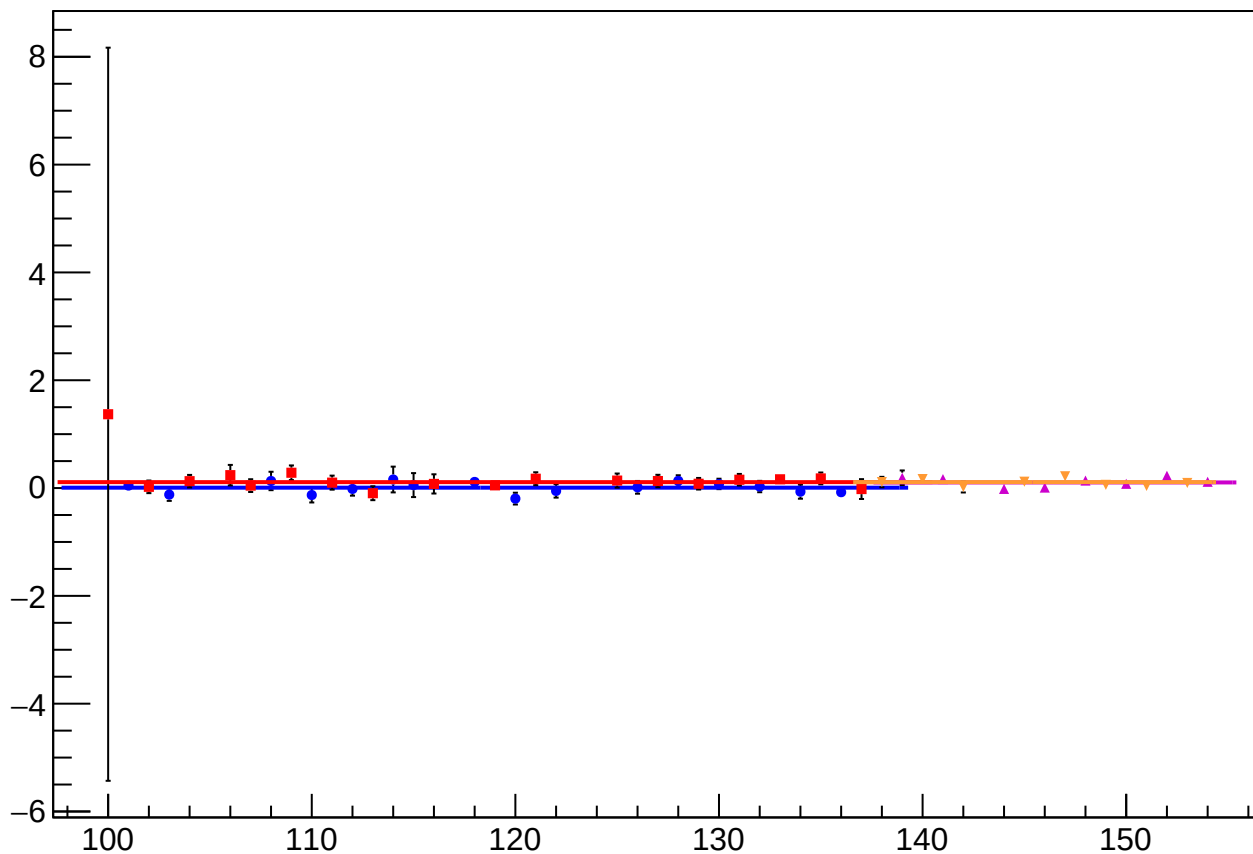
Right: 0.023+/-0.031 χ^2/NDF : 18.9/33

In: 0.027+/-0.025 χ^2/NDF : 18.3/23

Out: 0.047+/-0.026 χ^2/NDF : 19.3/25

All: 0.036+/-0.018 χ^2/NDF : 37.9/49

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.027 χ^2 /NDF: 12.1/15

Left Out: 0.110 $\pm$ 0.027 χ^2 /NDF:6.3/7

Right Out: 0.110 $\pm$ 0.029 χ^2 /NDF: 8.0/17

Left In: 0.104 $\pm$ 0.027 χ^2 /NDF:8.9/7

Left: 0.107 $\pm$ 0.019 χ^2 /NDF: 15.2/15

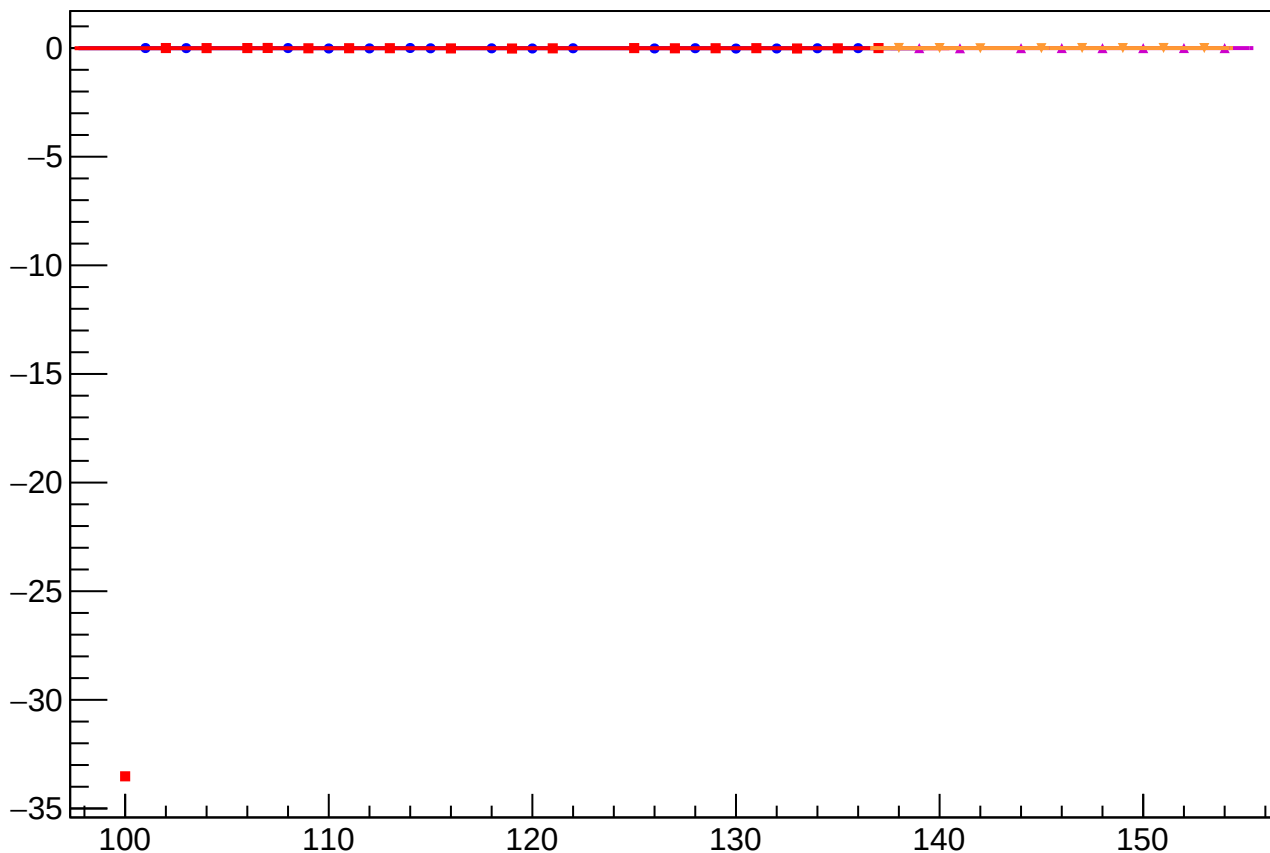
Right: 0.055 $\pm$ 0.020 χ^2 /NDF: 27.0/33

In: 0.056 $\pm$ 0.019 χ^2 /NDF:27.6/23

Out: 0.110 $\pm$ 0.020 χ^2 /NDF:14.3/25

All: 0.082 $\pm$ 0.014 χ^2 /NDF: 45.8/49

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005 $\pm$ 0.001 χ^2 /NDF: 22.6/15

Left Out: 0.001 $\pm$ 0.001 χ^2 /NDF: 6.6/7

Right Out: -0.006 $\pm$ 0.001 χ^2 /NDF: 26508.9/17

Left In: -0.001 $\pm$ 0.001 χ^2 /NDF: 4.5/7

Left: -0.000 $\pm$ 0.001 χ^2 /NDF: 12.0/15

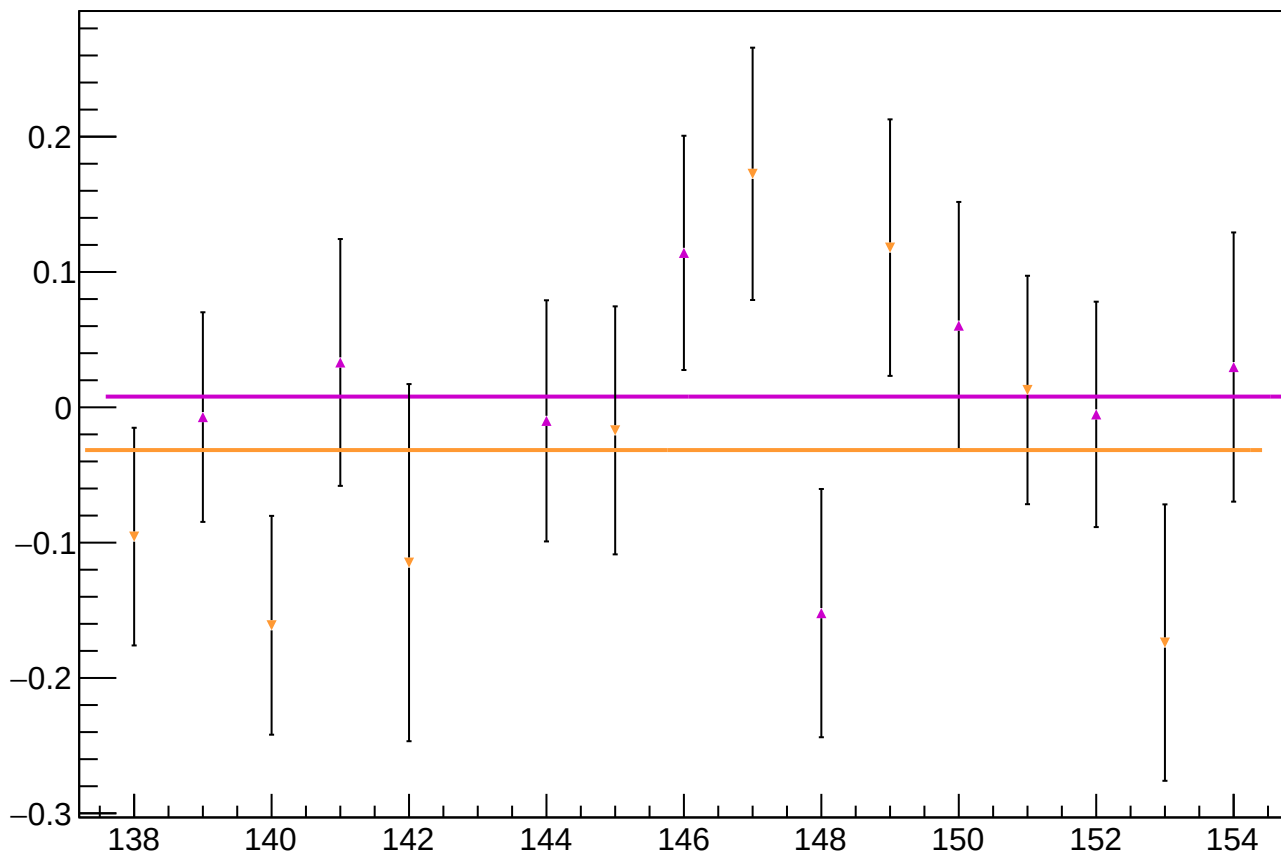
Right: -0.006 $\pm$ 0.001 χ^2 /NDF: 26531.6/33

In: -0.003 $\pm$ 0.001 χ^2 /NDF: 33.0/23

Out: -0.002 $\pm$ 0.001 χ^2 /NDF: 26526.9/25

All: -0.003 $\pm$ 0.001 χ^2 /NDF: 26560.1/49

reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.032+/-0.033 χ^2/NDF :13.1/7

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

Left In: 0.008+/-0.031 χ^2/NDF :5.1/7

Left: -0.011+/-0.022 χ^2/NDF : 19.0/15

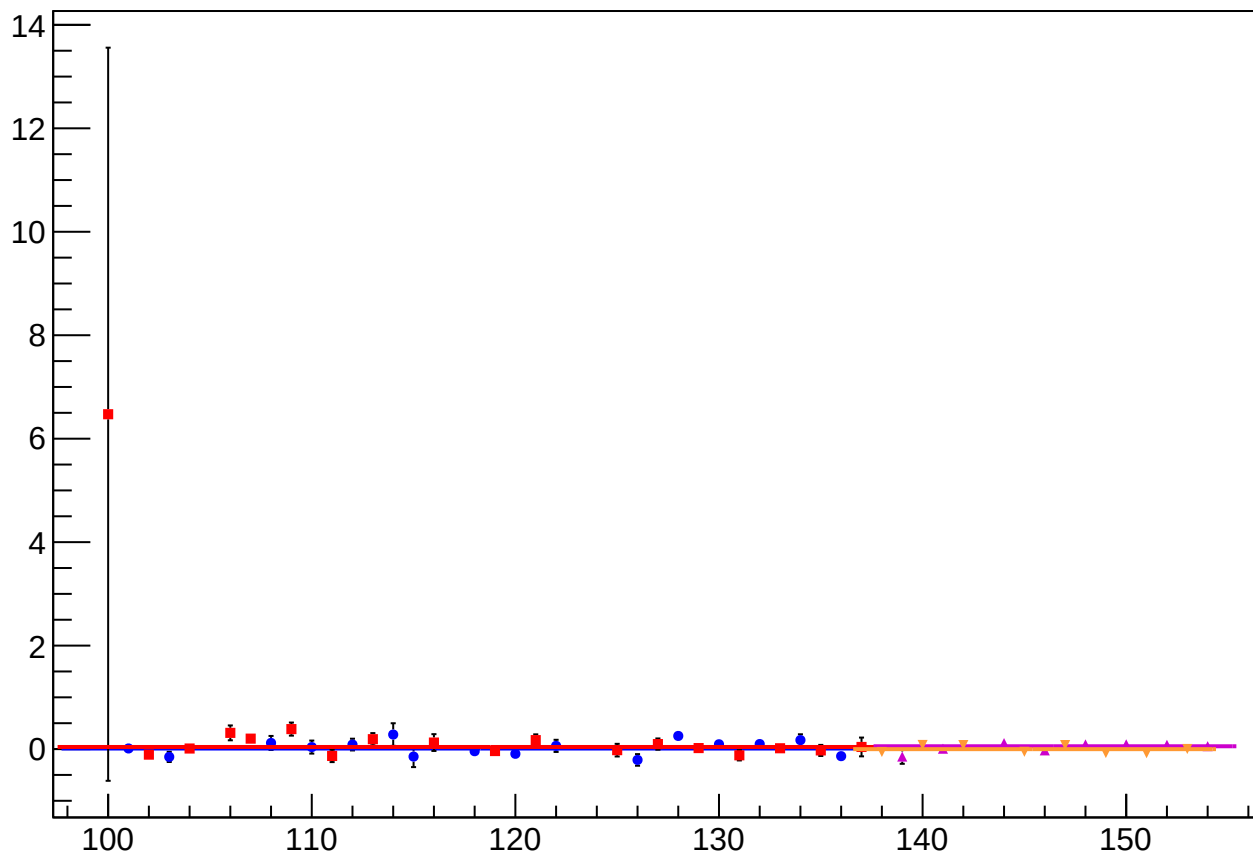
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.008+/-0.031 χ^2/NDF :5.1/7

Out: -0.032+/-0.033 χ^2/NDF :13.1/7

All: -0.011+/-0.022 χ^2/NDF : 19.0/15

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.010 $\pm$ 0.023 χ^2 /NDF: 25.4/15

Left Out: -0.002 $\pm$ 0.022 χ^2 /NDF:10.6/7

Right Out: 0.040 $\pm$ 0.025 χ^2 /NDF: 27.9/17

Left In: 0.054 $\pm$ 0.022 χ^2 /NDF:7.1/7

Left: 0.027 $\pm$ 0.015 χ^2 /NDF: 21.0/15

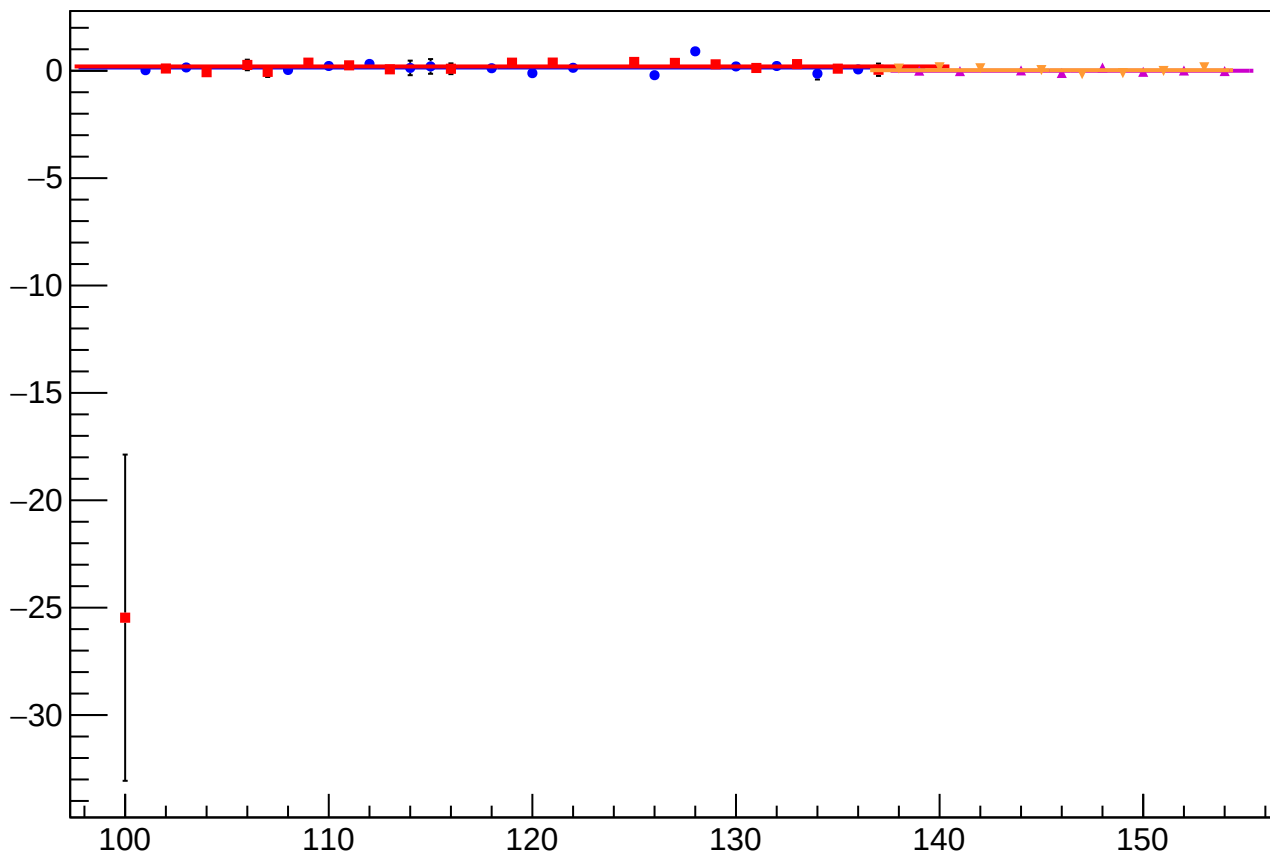
Right: 0.024 $\pm$ 0.017 χ^2 /NDF: 54.1/33

In: 0.034 $\pm$ 0.016 χ^2 /NDF:34.4/23

Out: 0.017 $\pm$ 0.016 χ^2 /NDF:40.1/25

All: 0.026 $\pm$ 0.011 χ^2 /NDF: 75.1/49

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.152 $\pm$ 0.043 χ^2 /NDF: 28.7/15

Left Out: 0.026 $\pm$ 0.032 χ^2 /NDF:12.9/7

Right Out: 0.200 $\pm$ 0.045 χ^2 /NDF: 22.9/17

Left In: 0.000 $\pm$ 0.031 χ^2 /NDF:5.0/7

Left: 0.013 $\pm$ 0.022 χ^2 /NDF: 18.2/15

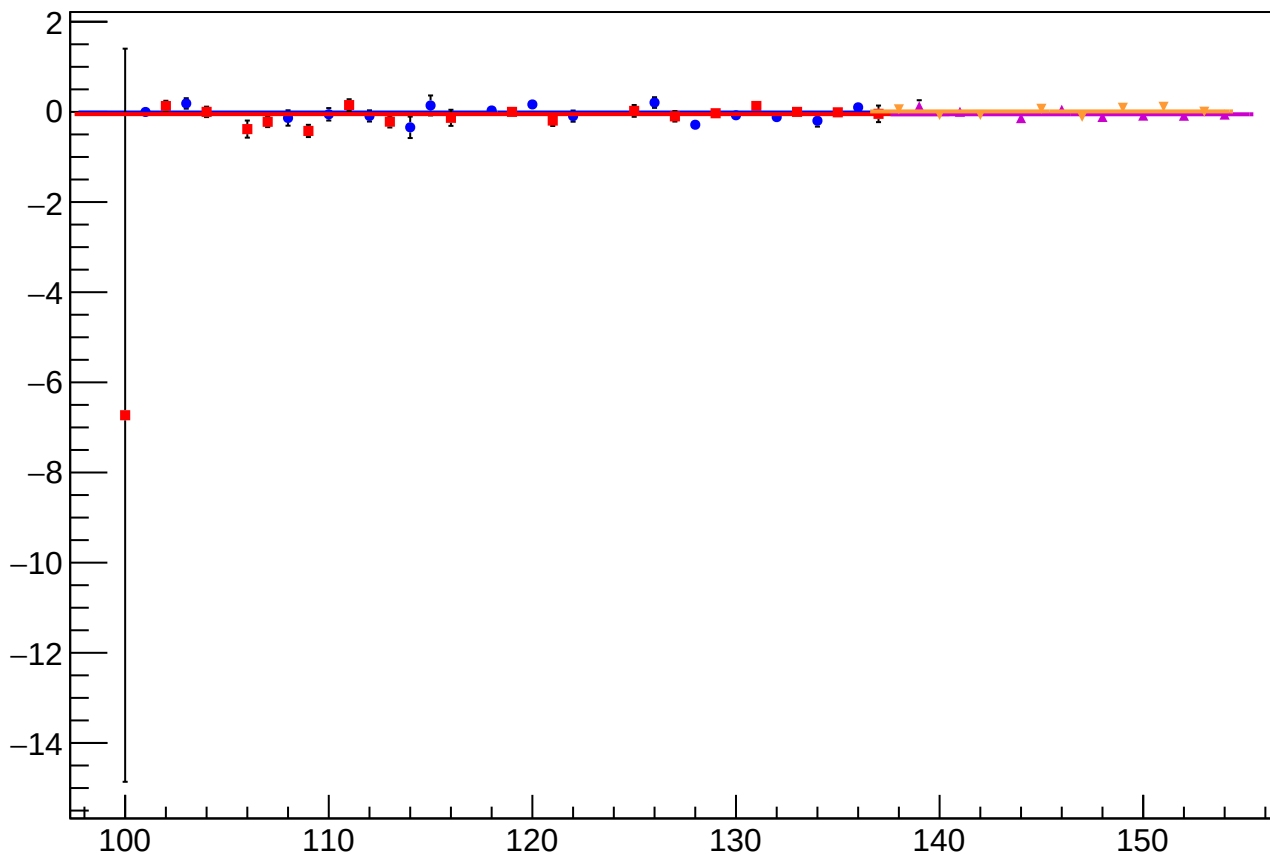
Right: 0.175 $\pm$ 0.031 χ^2 /NDF: 52.2/33

In: 0.052 $\pm$ 0.025 χ^2 /NDF:41.9/23

Out: 0.086 $\pm$ 0.026 χ^2 /NDF:45.6/25

All: 0.068 $\pm$ 0.018 χ^2 /NDF: 88.4/49

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.014 ± 0.027 χ^2/NDF : 25.2/15

Left Out: 0.011 ± 0.027 χ^2/NDF : 10.1/7

Right Out: -0.050 ± 0.029 χ^2/NDF : 25.7/17

Left In: -0.053 ± 0.027 χ^2/NDF : 7.2/7

Left: -0.022 ± 0.019 χ^2/NDF : 20.1/15

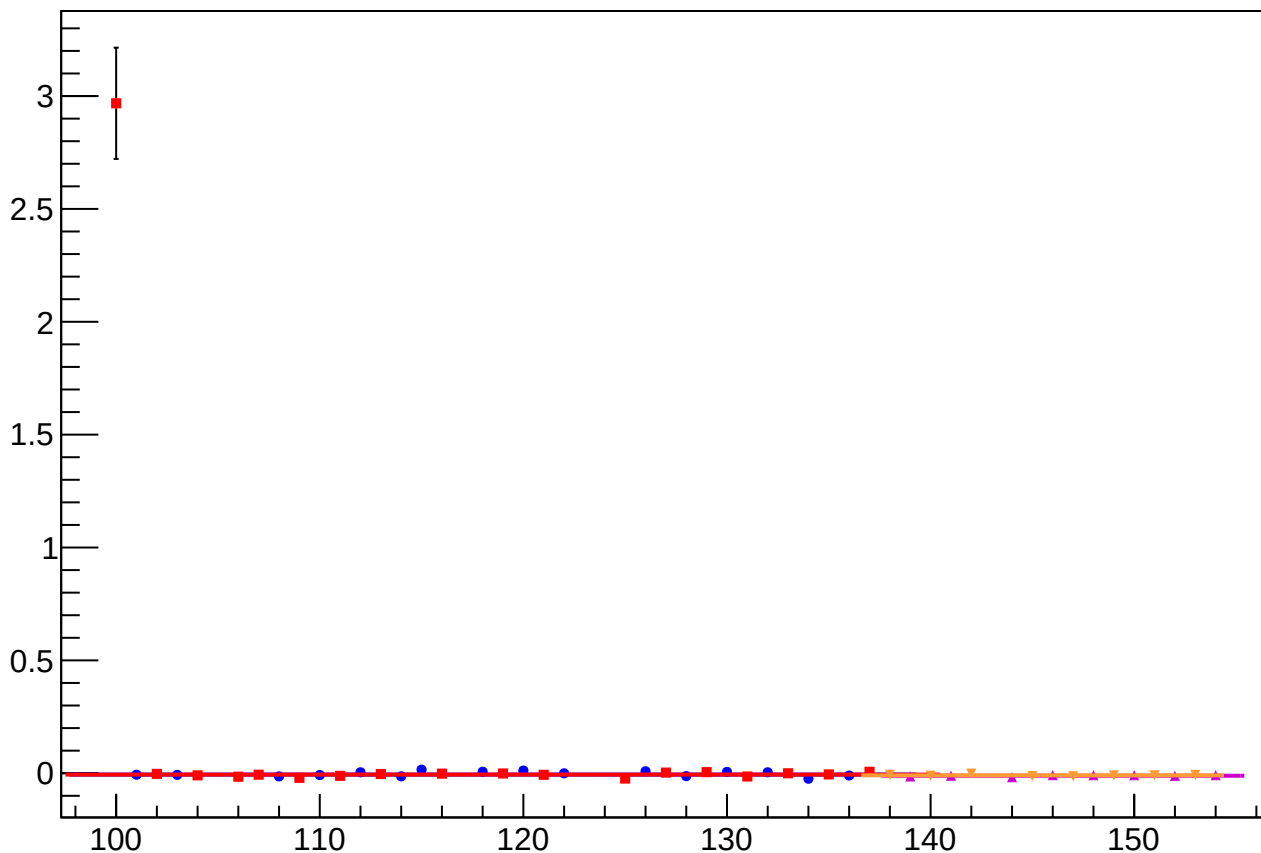
Right: -0.031 ± 0.020 χ^2/NDF : 51.8/33

In: -0.034 ± 0.019 χ^2/NDF : 33.4/23

Out: -0.018 ± 0.020 χ^2/NDF : 38.2/25

All: -0.026 ± 0.014 χ^2/NDF : 71.9/49

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006 ± 0.001 χ^2/NDF : 29.0/15

Left Out: -0.009 ± 0.001 χ^2/NDF : 4.9/7

Right Out: -0.006 ± 0.001 χ^2/NDF : 165.9/17

Left In: -0.011 ± 0.001 χ^2/NDF : 5.5/7

Left: -0.010 ± 0.001 χ^2/NDF : 11.4/15

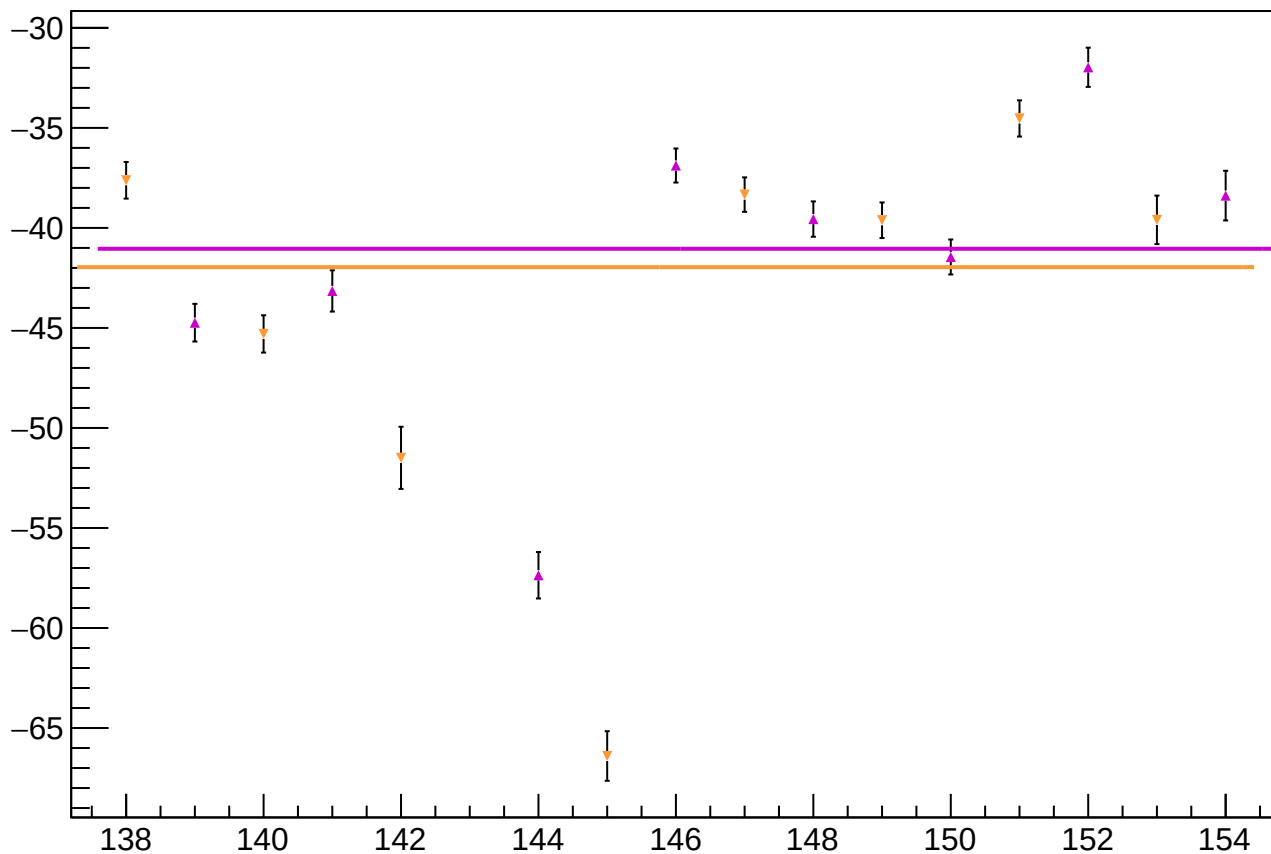
Right: -0.006 ± 0.001 χ^2/NDF : 194.8/33

In: -0.009 ± 0.001 χ^2/NDF : 41.6/23

Out: -0.008 ± 0.001 χ^2/NDF : 173.5/25

All: -0.008 ± 0.001 χ^2/NDF : 215.8/49

reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -41.961+/-0.355 χ^2/NDF :557.4/7

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

Left In: -41.042+/-0.344 χ^2/NDF :334.5/7

Left: -41.486+/-0.247 χ^2/NDF : 895.4/15

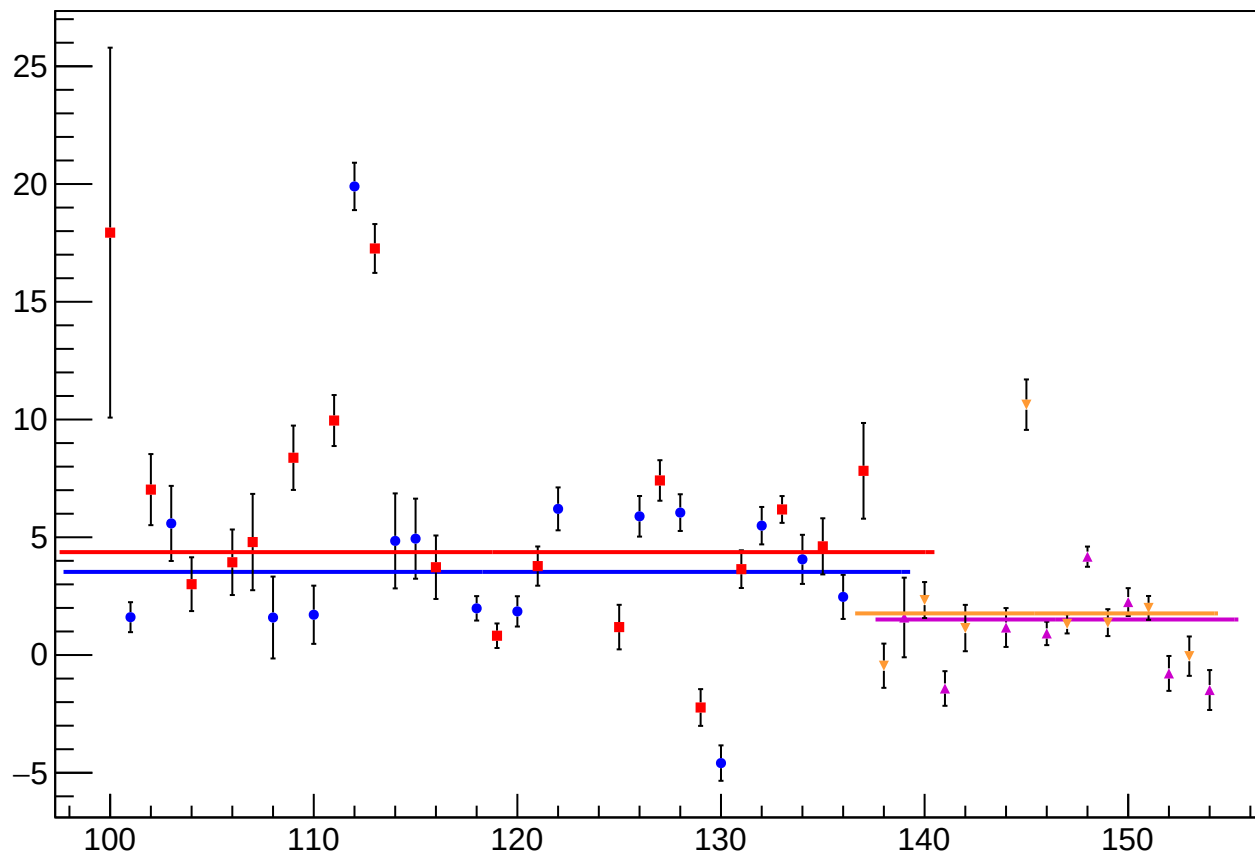
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -41.042+/-0.344 χ^2/NDF :334.5/7

Out: -41.961+/-0.355 χ^2/NDF :557.4/7

All: -41.486+/-0.247 χ^2/NDF : 895.4/15

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.530 ± 0.217 $\chi^2/\text{NDF}: 446.6/15$

Left Out: 1.767 ± 0.229 $\chi^2/\text{NDF}: 81.6/7$

Right Out: 4.370 ± 0.225 $\chi^2/\text{NDF}: 353.8/17$

Left In: 1.508 ± 0.228 $\chi^2/\text{NDF}: 79.7/7$

Left: 1.637 ± 0.161 $\chi^2/\text{NDF}: 161.9/15$

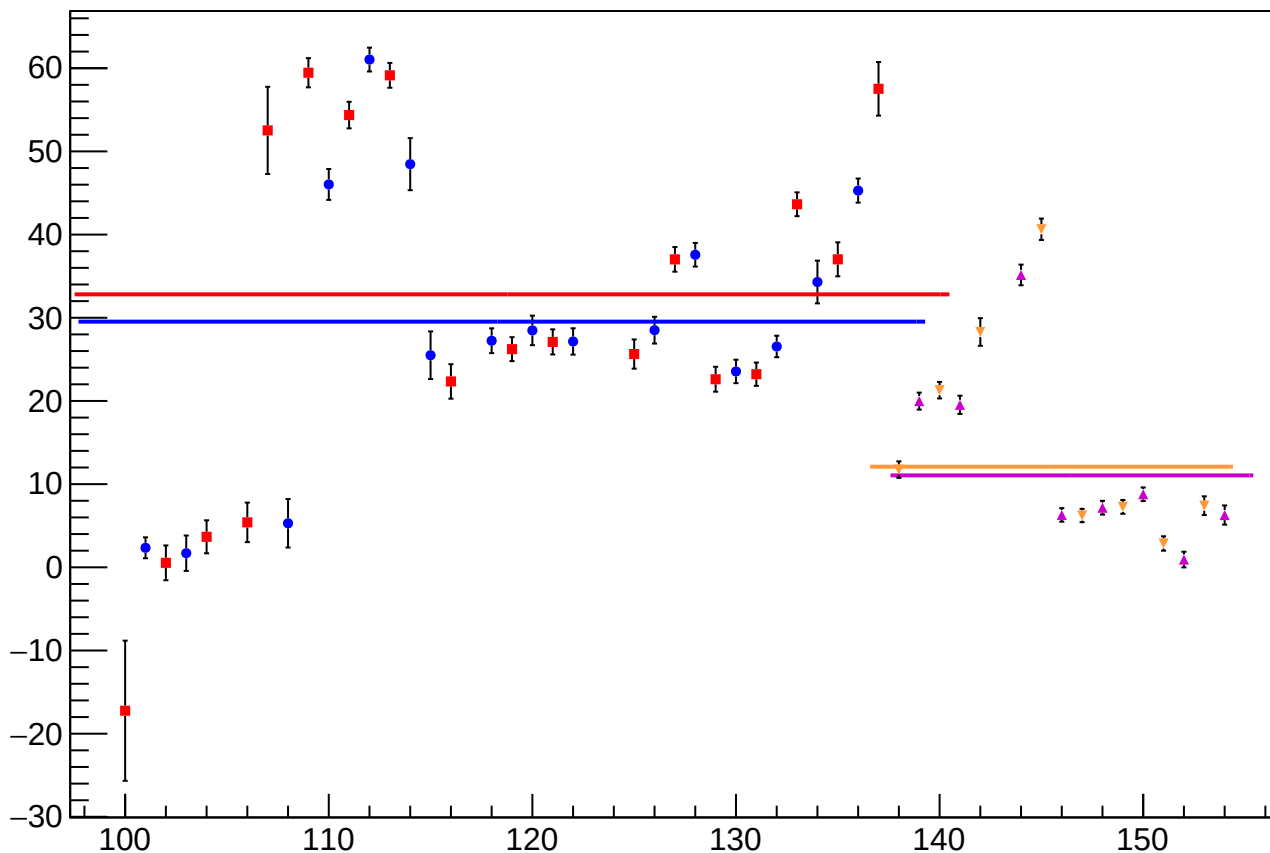
Right: 3.934 ± 0.156 $\chi^2/\text{NDF}: 807.6/33$

In: 2.568 ± 0.157 $\chi^2/\text{NDF}: 567.5/23$

Out: 3.087 ± 0.161 $\chi^2/\text{NDF}: 501.1/25$

All: 2.822 ± 0.112 $\chi^2/\text{NDF}: 1073.9/49$

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.535 $\pm$ 0.417 χ^2 /NDF: 1494.9/15

Left Out: 12.097 $\pm$ 0.351 χ^2 /NDF:891.2/7

Right Out: 32.816 $\pm$ 0.423 χ^2 /NDF: 1659.3/17

Left In: 11.054 $\pm$ 0.337 χ^2 /NDF:710.5/7

Left: 11.554 $\pm$ 0.243 χ^2 /NDF: 1606.3/15

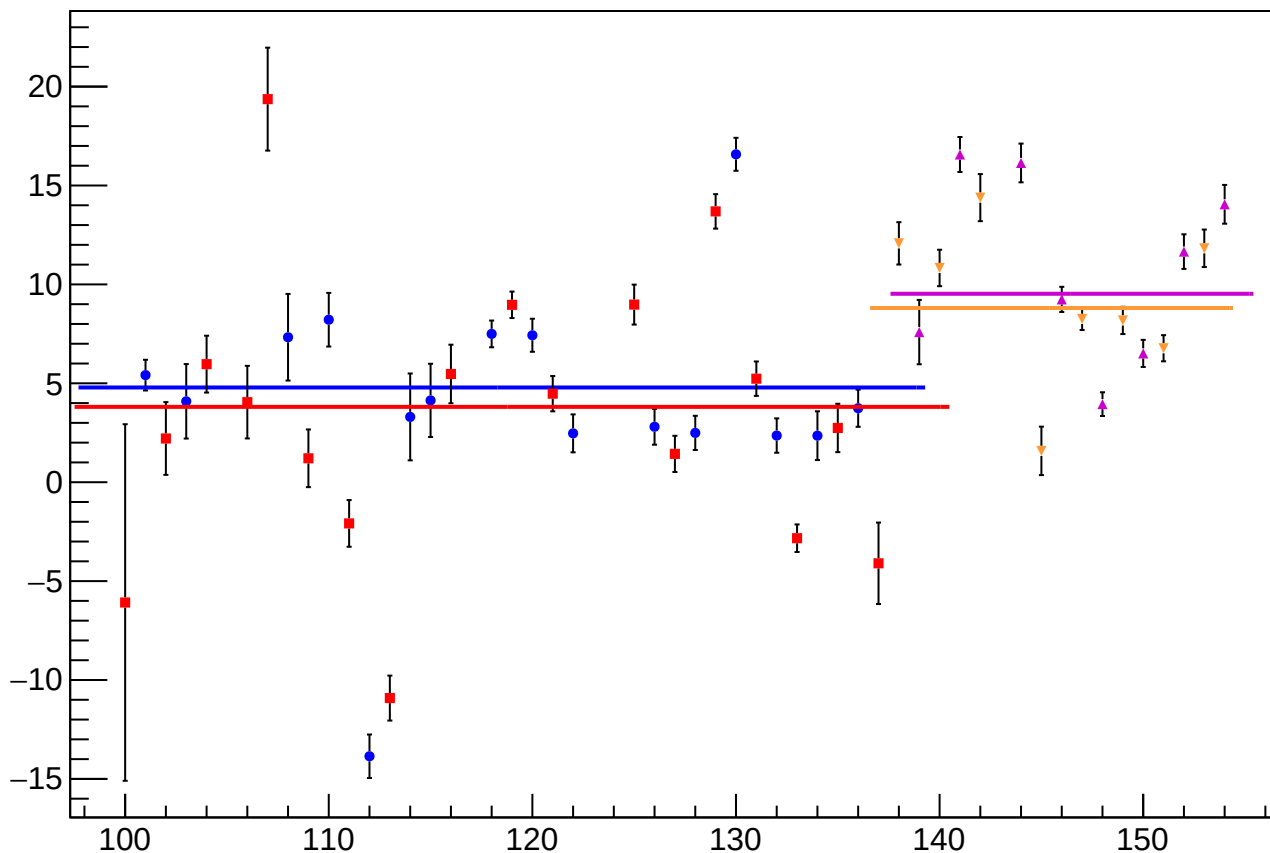
Right: 31.152 $\pm$ 0.297 χ^2 /NDF: 3184.7/33

In: 18.369 $\pm$ 0.262 χ^2 /NDF:3393.5/23

Out: 20.555 $\pm$ 0.270 χ^2 /NDF:3971.2/25

All: 19.430 $\pm$ 0.188 χ^2 /NDF: 7398.4/49

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.789 ± 0.251 χ^2/NDF : 553.9/15

Left Out: 8.807 ± 0.288 χ^2/NDF : 92.3/7

Right Out: 3.809 ± 0.259 χ^2/NDF : 567.6/17

Left In: 9.527 ± 0.284 χ^2/NDF : 243.8/7

Left: 9.172 ± 0.202 χ^2/NDF : 339.2/15

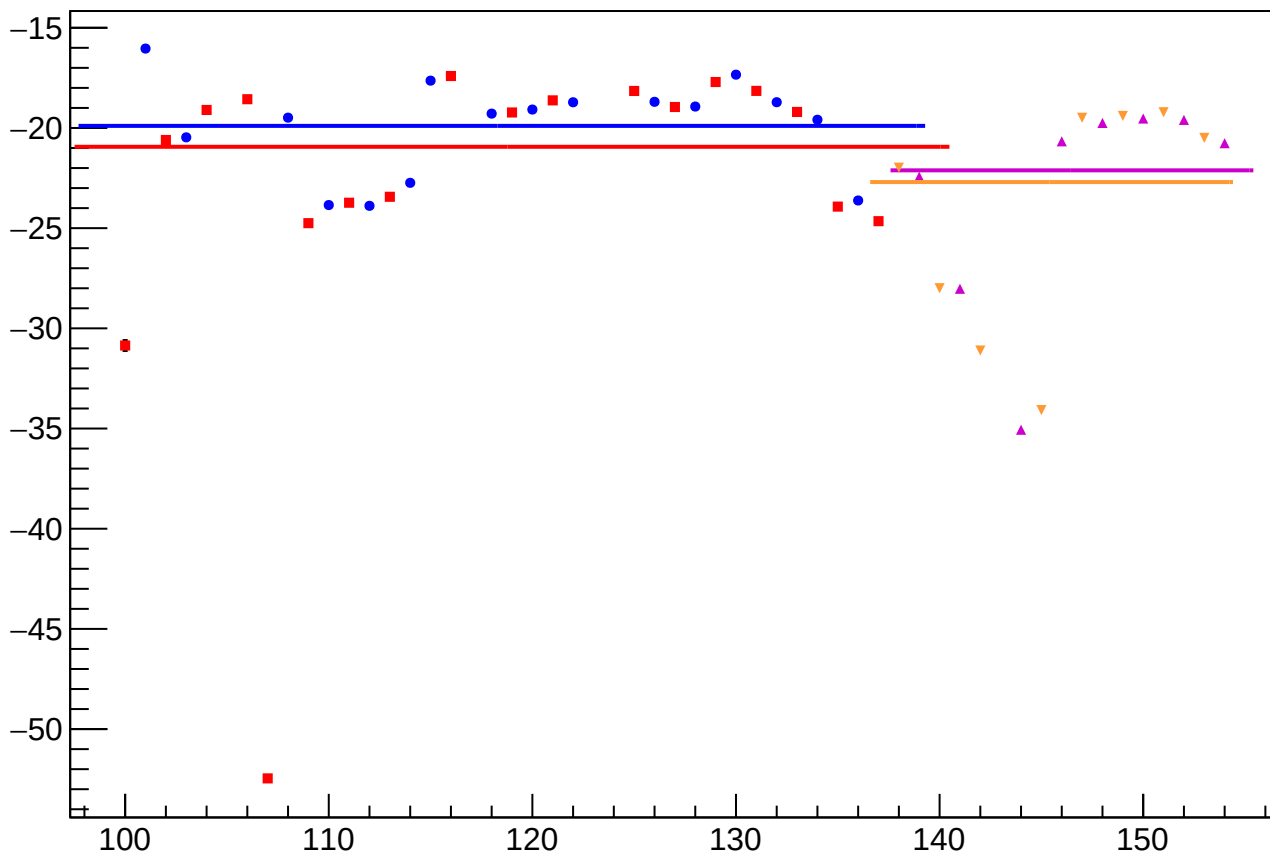
Right: 4.313 ± 0.180 χ^2/NDF : 1128.9/33

In: 6.871 ± 0.188 χ^2/NDF : 954.0/23

Out: 6.045 ± 0.192 χ^2/NDF : 826.7/25

All: 6.468 ± 0.135 χ^2/NDF : 1790.1/49

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.895 ± 0.016 $\chi^2/\text{NDF}: 26073.6/15$

Left Out: -22.699 ± 0.015 $\chi^2/\text{NDF}: 108238.6/7$

Right Out: -20.938 ± 0.016 $\chi^2/\text{NDF}: 94065.2/17$

Left In: -22.115 ± 0.014 $\chi^2/\text{NDF}: 91415.6/7$

Left: -22.387 ± 0.010 $\chi^2/\text{NDF}: 200490.9/15$

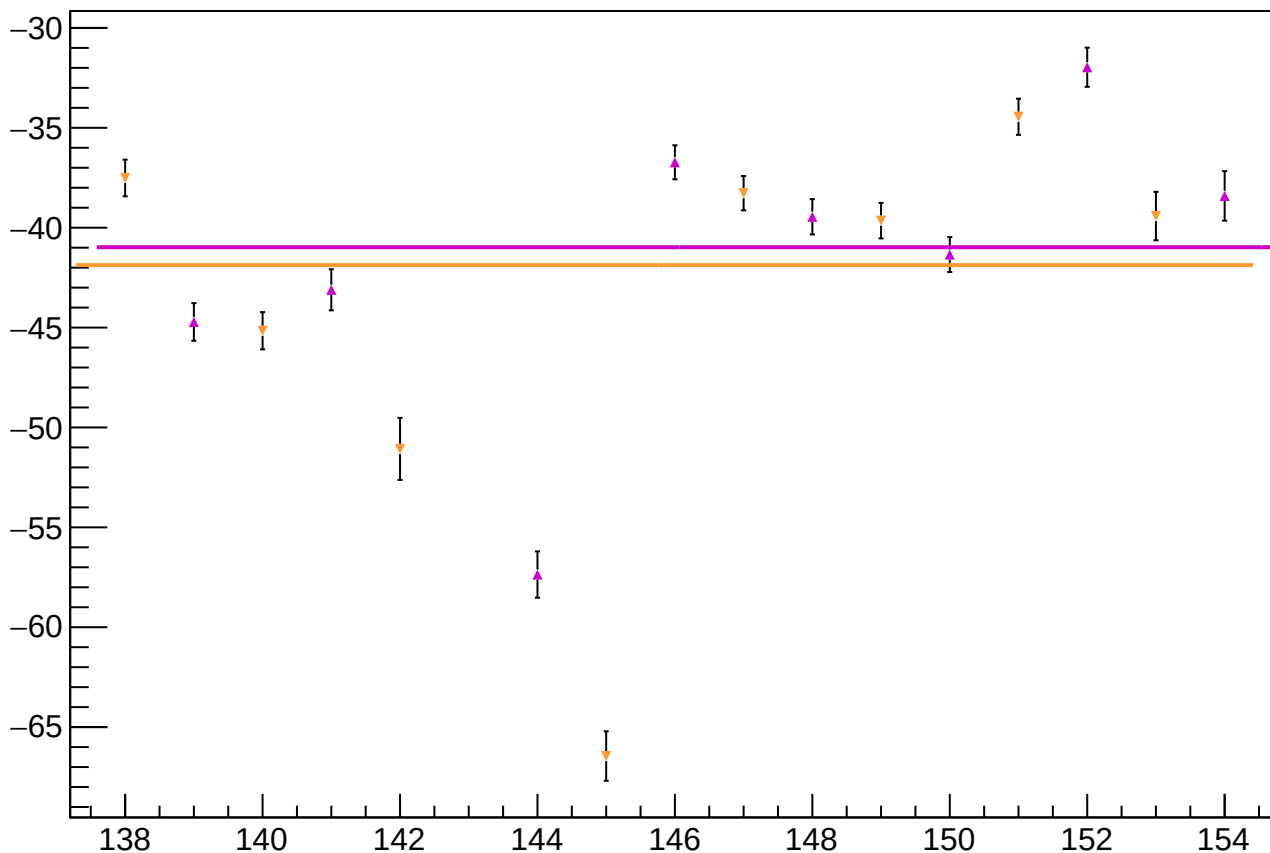
Right: -20.412 ± 0.011 $\chi^2/\text{NDF}: 122364.1/33$

In: -21.139 ± 0.010 $\chi^2/\text{NDF}: 128881.5/23$

Out: -21.873 ± 0.011 $\chi^2/\text{NDF}: 208972.3/25$

All: -21.491 ± 0.007 $\chi^2/\text{NDF}: 340279.1/49$

reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -41.873+/-0.355 χ^2/NDF :559.0/7

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

Left In: -40.978+/-0.343 χ^2/NDF :336.7/7

Left: -41.411+/-0.247 χ^2/NDF : 899.0/15

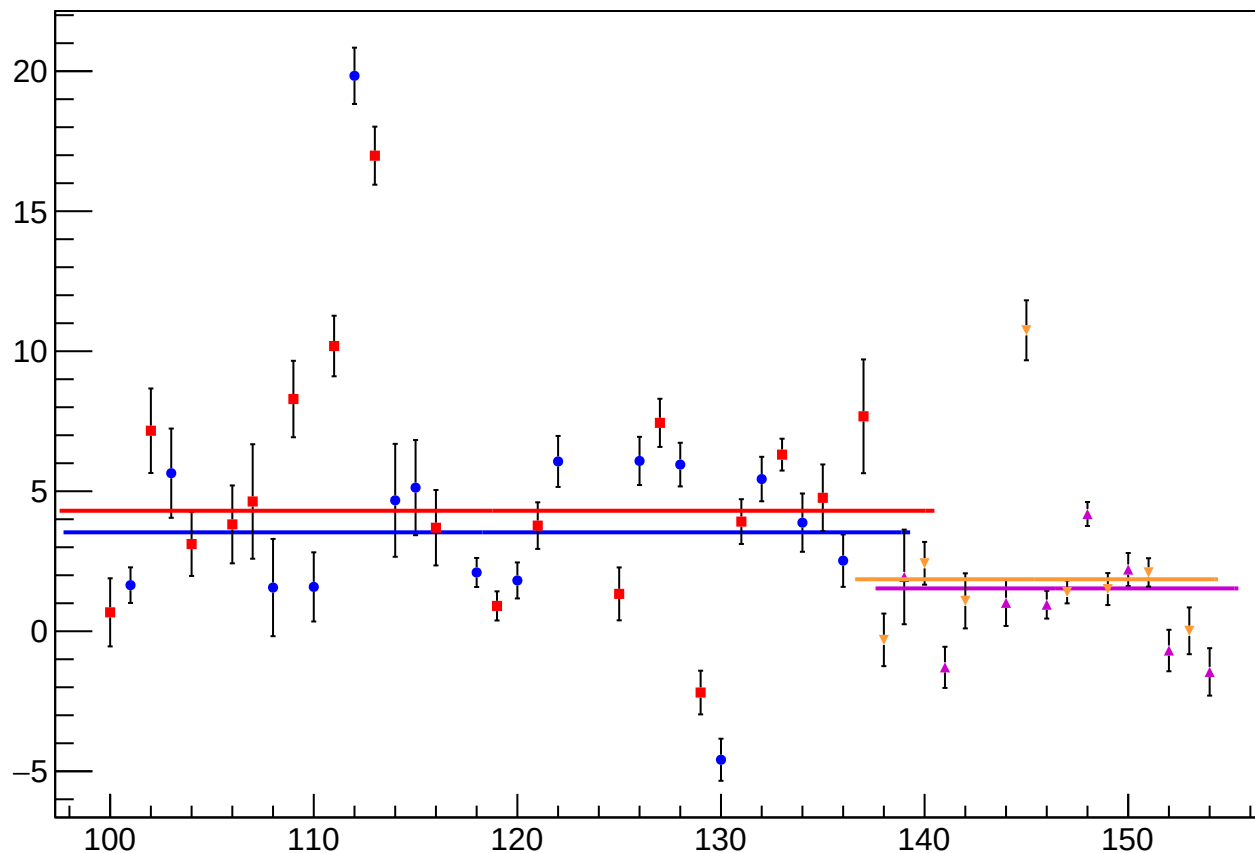
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -40.978+/-0.343 χ^2/NDF :336.7/7

Out: -41.873+/-0.355 χ^2/NDF :559.0/7

All: -41.411+/-0.247 χ^2/NDF : 899.0/15

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.532 ± 0.217 $\chi^2/\text{NDF}: 443.2/15$

Left Out: 1.857 ± 0.229 $\chi^2/\text{NDF}: 82.1/7$

Right Out: 4.303 ± 0.222 $\chi^2/\text{NDF}: 352.8/17$

Left In: 1.530 ± 0.228 $\chi^2/\text{NDF}: 77.6/7$

Left: 1.693 ± 0.161 $\chi^2/\text{NDF}: 160.8/15$

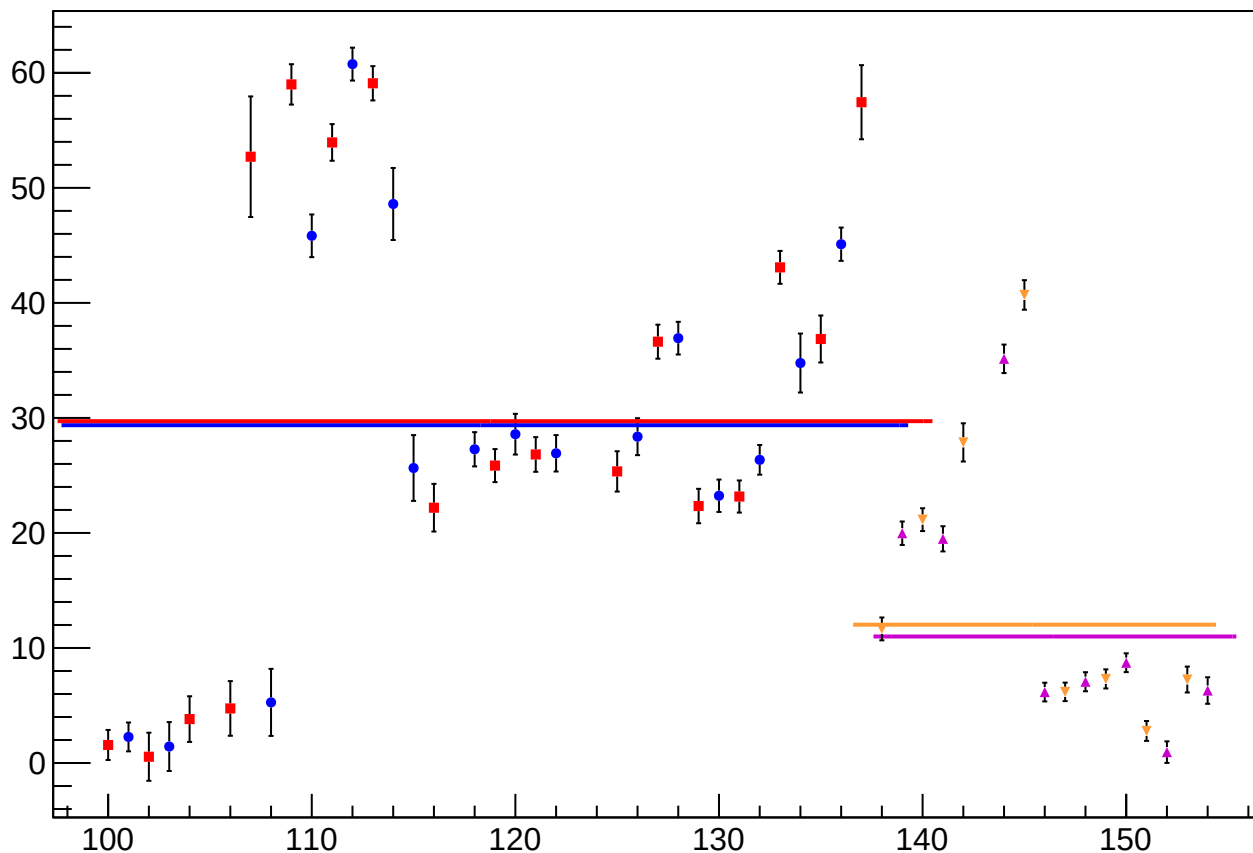
Right: 3.910 ± 0.155 $\chi^2/\text{NDF}: 802.2/33$

In: 2.579 ± 0.157 $\chi^2/\text{NDF}: 561.3/23$

Out: 3.118 ± 0.159 $\chi^2/\text{NDF}: 494.0/25$

All: 2.846 ± 0.112 $\chi^2/\text{NDF}: 1061.1/49$

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.367 $\pm$ 0.416 χ^2 /NDF: 1488.7/15

Left Out: 12.025 $\pm$ 0.351 χ^2 /NDF:890.0/7

Right Out: 29.719 $\pm$ 0.402 χ^2 /NDF: 2129.5/17

Left In: 10.999 $\pm$ 0.337 χ^2 /NDF:713.4/7

Left: 11.492 $\pm$ 0.243 χ^2 /NDF: 1607.9/15

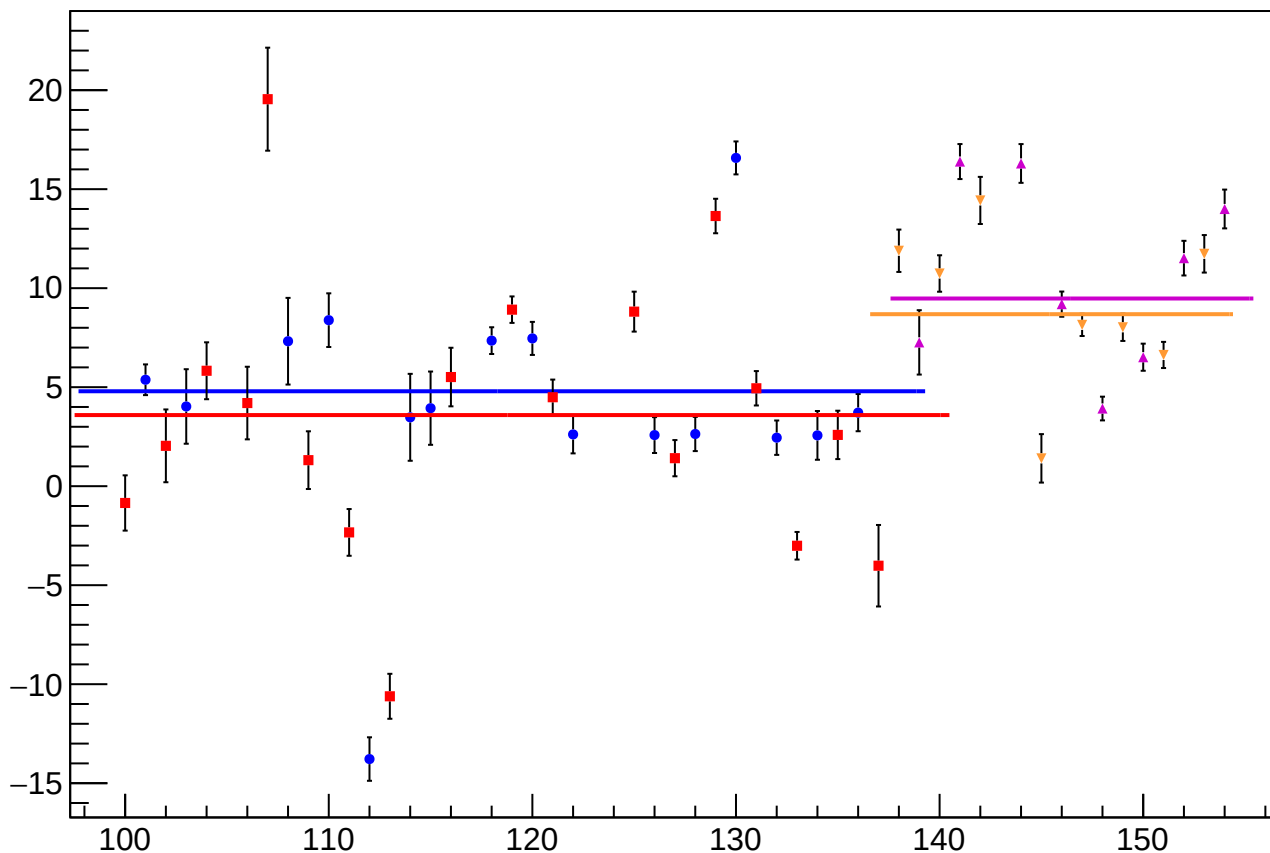
Right: 29.549 $\pm$ 0.289 χ^2 /NDF: 3618.6/33

In: 18.270 $\pm$ 0.262 χ^2 /NDF:3377.2/23

Out: 19.670 $\pm$ 0.265 χ^2 /NDF:4117.3/25

All: 18.963 $\pm$ 0.186 χ^2 /NDF: 7508.6/49

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.794 ± 0.251 $\chi^2/\text{NDF}: 550.0/15$

Left Out: 8.686 ± 0.288 $\chi^2/\text{NDF}: 94.6/7$

Right Out: 3.591 ± 0.254 $\chi^2/\text{NDF}: 573.3/17$

Left In: 9.478 ± 0.283 $\chi^2/\text{NDF}: 243.3/7$

Left: 9.088 ± 0.202 $\chi^2/\text{NDF}: 341.7/15$

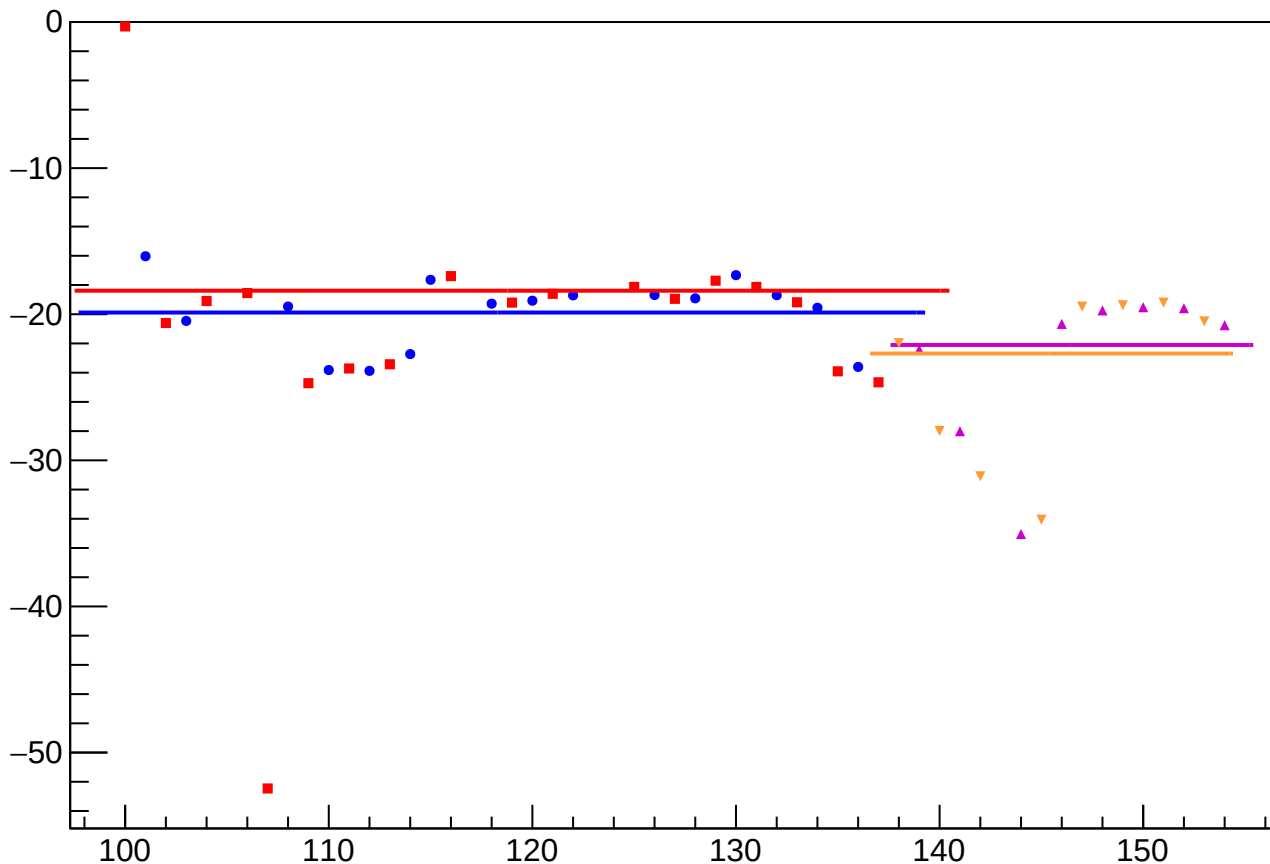
Right: 4.201 ± 0.179 $\chi^2/\text{NDF}: 1134.6/33$

In: 6.853 ± 0.188 $\chi^2/\text{NDF}: 946.3/23$

Out: 5.829 ± 0.191 $\chi^2/\text{NDF}: 844.0/25$

All: 6.348 ± 0.134 $\chi^2/\text{NDF}: 1804.9/49$

reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.883+/-0.016 χ^2/NDF : 26063.5/15

Left Out: -22.691+/-0.015 χ^2/NDF :108298.1/7

Right Out: -18.390+/-0.015 χ^2/NDF : 301247.7/17

Left In: -22.103+/-0.014 χ^2/NDF :91368.0/7

Left: -22.377+/-0.010 χ^2/NDF : 200513.4/15

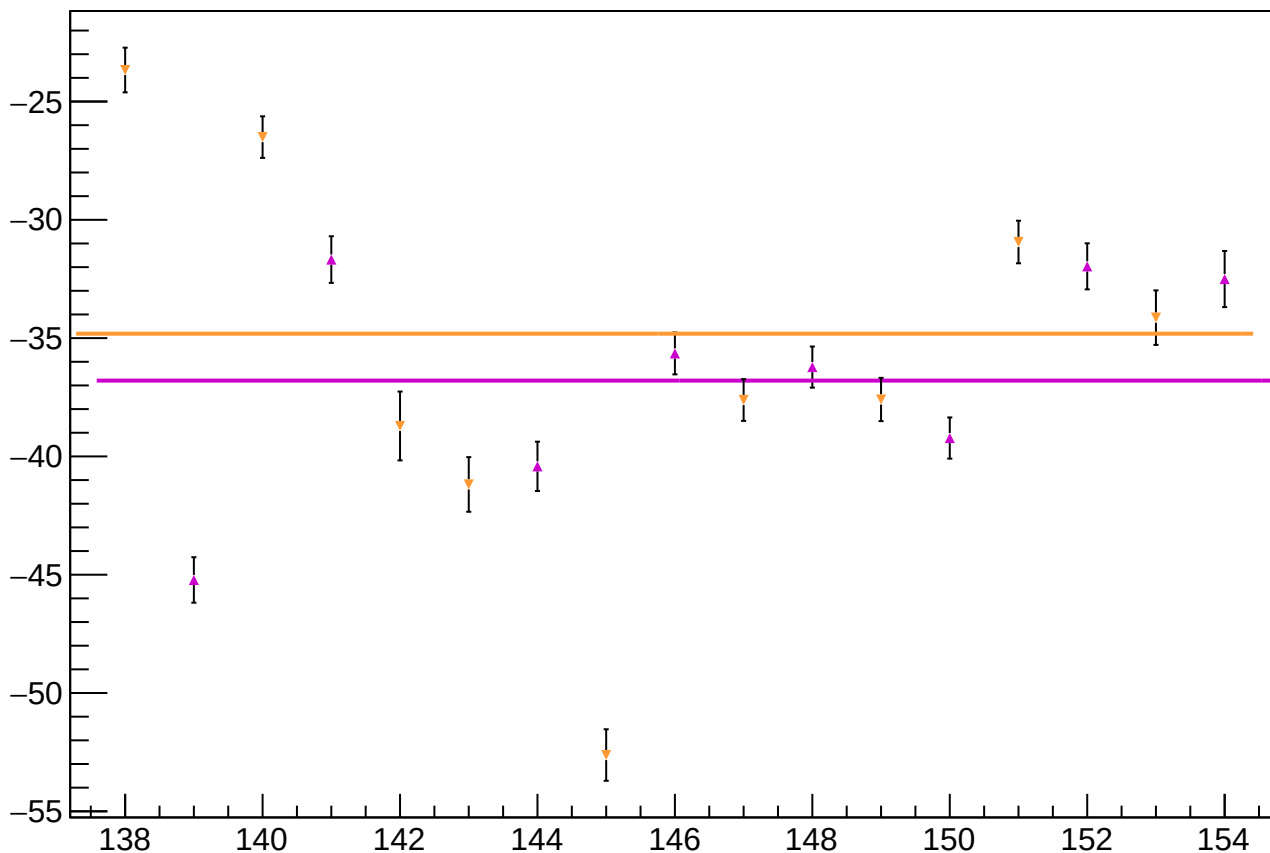
Right: -19.096+/-0.011 χ^2/NDF : 332167.8/33

In: -21.128+/-0.010 χ^2/NDF :128843.8/23

Out: -20.538+/-0.010 χ^2/NDF :452086.8/25

All: -20.836+/-0.007 χ^2/NDF : 582545.4/49

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: -34.812+/-0.334 χ^2/NDF :571.9/8

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

Left In: -36.795+/-0.339 χ^2/NDF :163.4/7

Left: -35.791+/-0.238 χ^2/NDF : 752.7/16

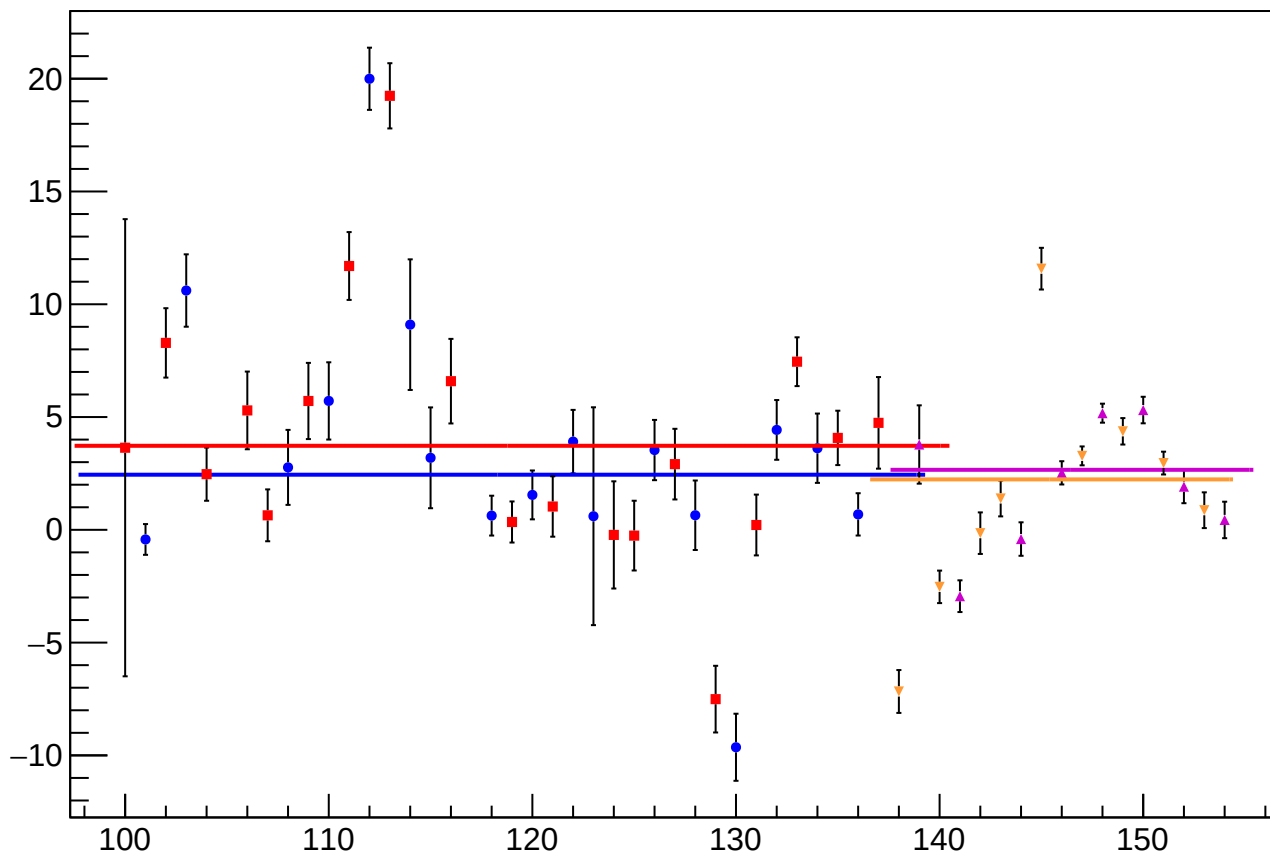
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -36.795+/-0.339 χ^2/NDF :163.4/7

Out: -34.812+/-0.334 χ^2/NDF :571.9/8

All: -35.791+/-0.238 χ^2/NDF : 752.7/16

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.444 ± 0.311 χ^2/NDF : 295.3/16

Left Out: 2.236 ± 0.218 χ^2/NDF : 276.0/8

Right Out: 3.726 ± 0.327 χ^2/NDF : 269.1/18

Left In: 2.661 ± 0.224 χ^2/NDF : 145.5/7

Left: 2.442 ± 0.156 χ^2/NDF : 423.3/16

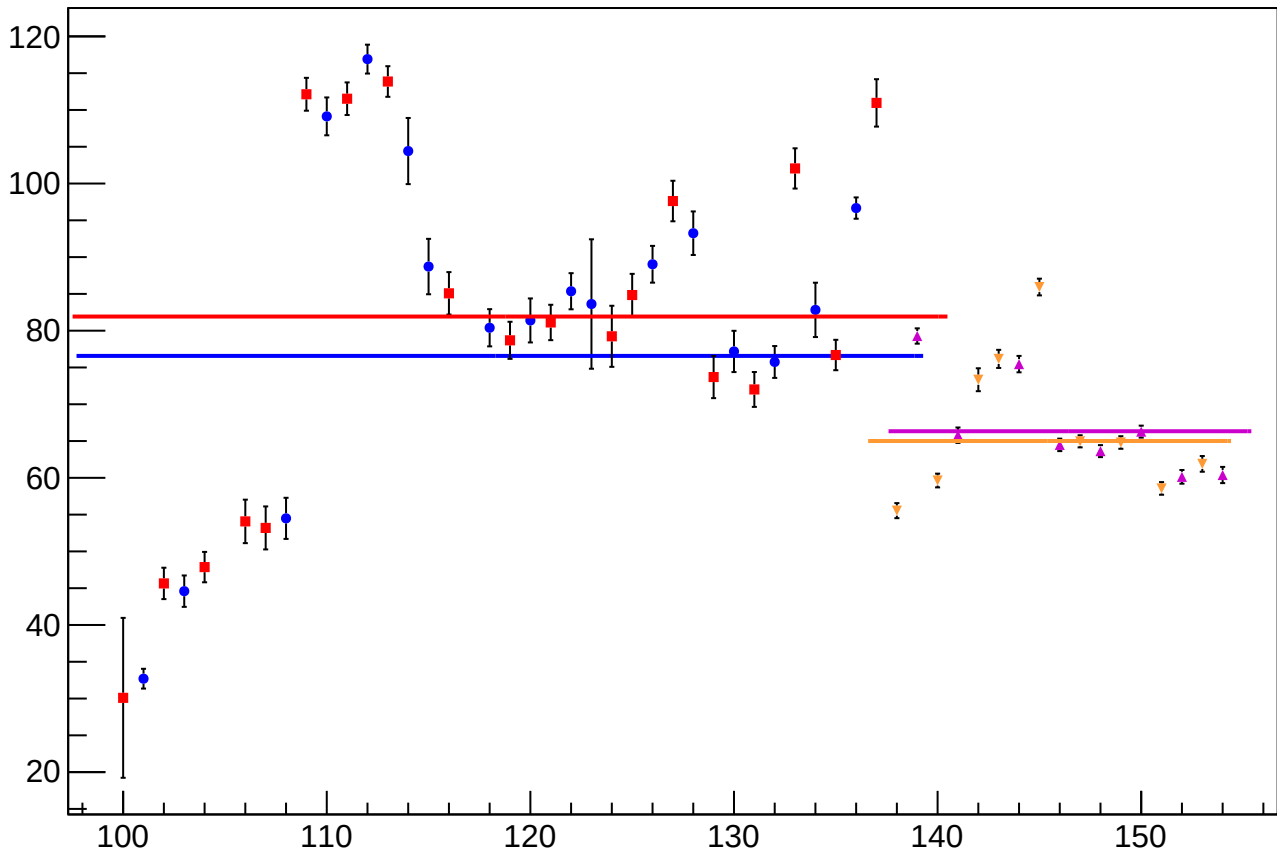
Right: 3.053 ± 0.225 χ^2/NDF : 572.5/35

In: 2.586 ± 0.182 χ^2/NDF : 441.1/24

Out: 2.694 ± 0.181 χ^2/NDF : 559.5/27

All: 2.640 ± 0.128 χ^2/NDF : 1000.8/52

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.572 $\pm$ 0.573 χ^2 /NDF: 2253.6/16

Left Out: 65.006 $\pm$ 0.333 χ^2 /NDF:632.4/8

Right Out: 81.923 $\pm$ 0.592 χ^2 /NDF: 1570.6/18

Left In: 66.334 $\pm$ 0.333 χ^2 /NDF:311.0/7

Left: 65.670 $\pm$ 0.235 χ^2 /NDF: 951.3/16

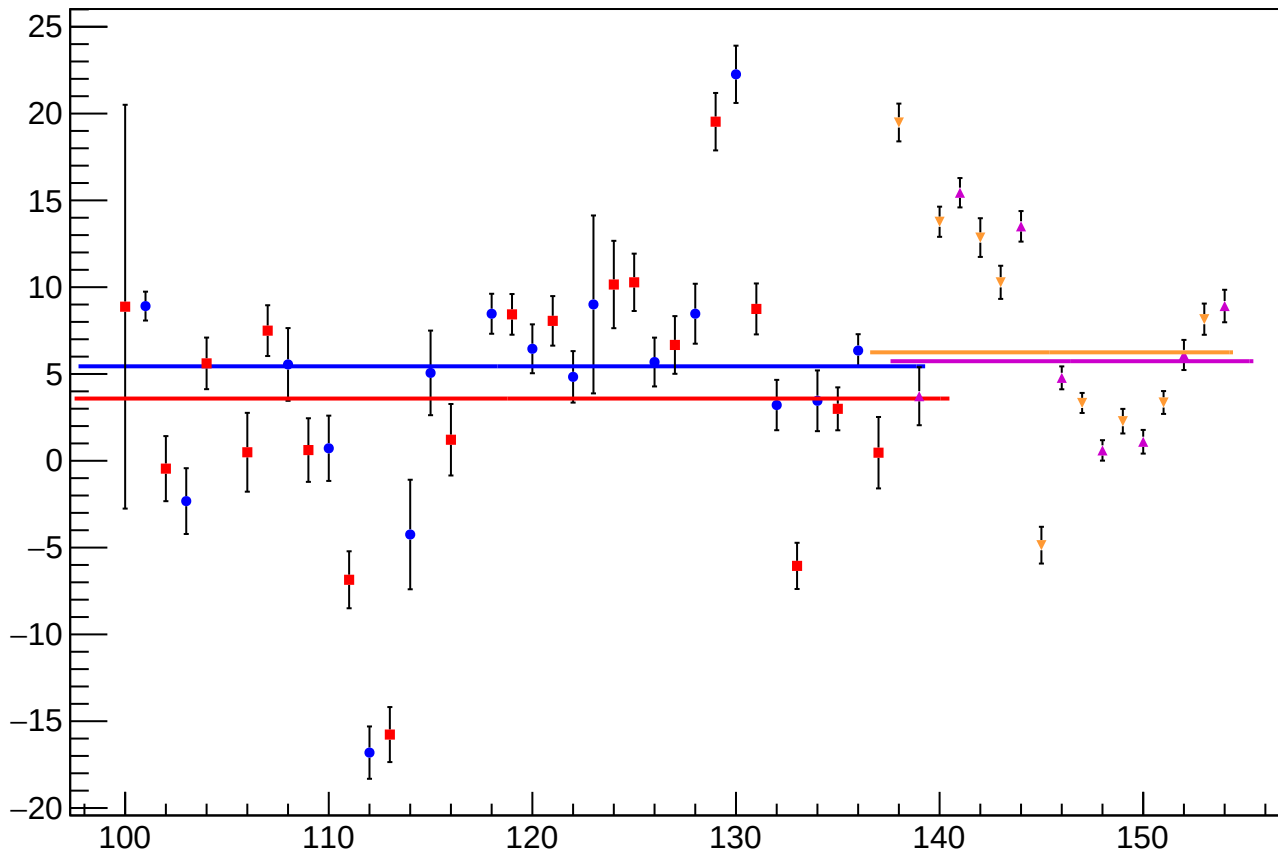
Right: 79.162 $\pm$ 0.412 χ^2 /NDF: 3866.3/35

In: 68.915 $\pm$ 0.288 χ^2 /NDF:2803.1/24

Out: 69.075 $\pm$ 0.290 χ^2 /NDF:2823.4/27

All: 68.994 $\pm$ 0.204 χ^2 /NDF: 5626.6/52

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.442 ± 0.357 $\chi^2/\text{NDF}: 387.5/16$

Left Out: 6.247 ± 0.272 $\chi^2/\text{NDF}: 466.8/8$

Right Out: 3.585 ± 0.375 $\chi^2/\text{NDF}: 423.2/18$

Left In: 5.736 ± 0.279 $\chi^2/\text{NDF}: 347.1/7$

Left: 5.998 ± 0.195 $\chi^2/\text{NDF}: 815.6/16$

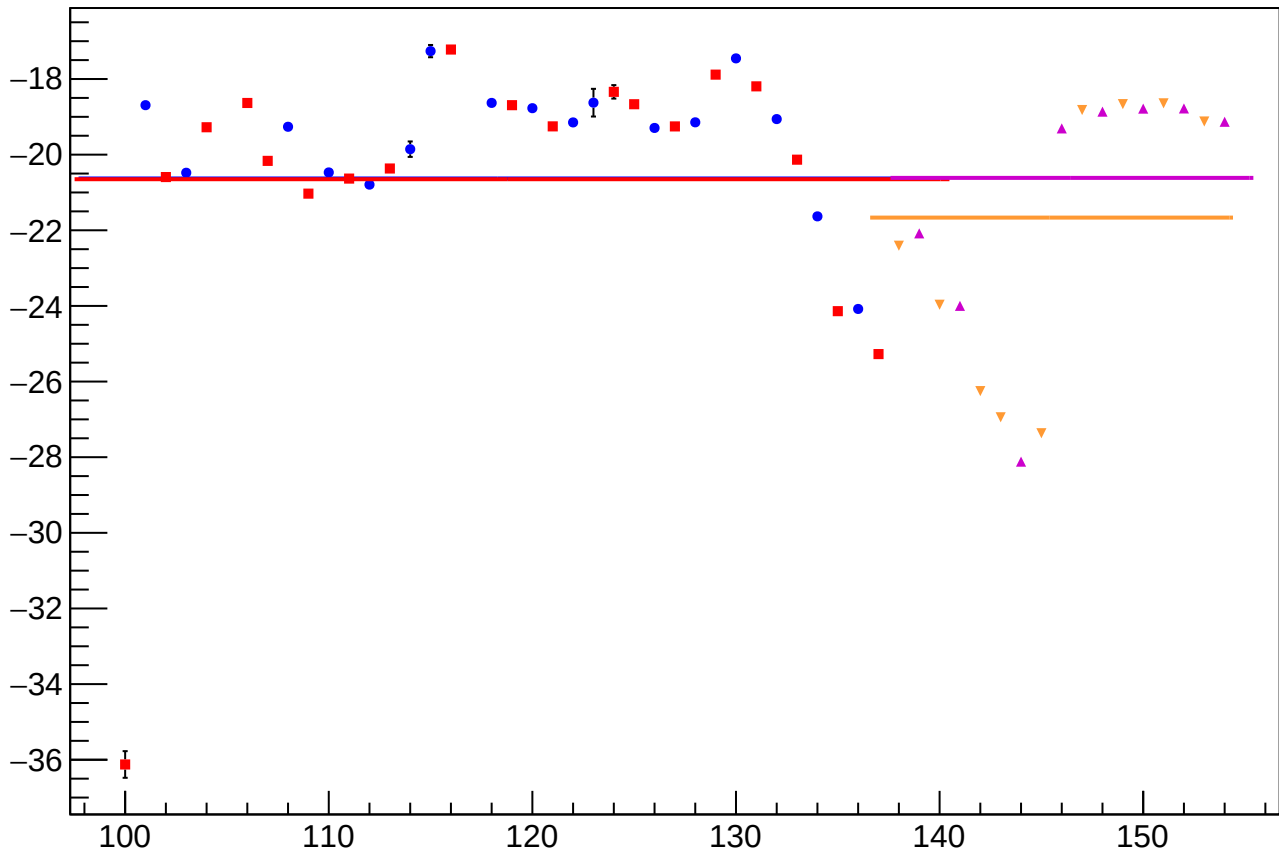
Right: 4.559 ± 0.259 $\chi^2/\text{NDF}: 823.5/35$

In: 5.625 ± 0.220 $\chi^2/\text{NDF}: 735.0/24$

Out: 5.330 ± 0.220 $\chi^2/\text{NDF}: 923.0/27$

All: 5.478 ± 0.156 $\chi^2/\text{NDF}: 1658.9/52$

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.630 $\pm$ 0.019 χ^2 /NDF: 12490.5/16

Left Out: -21.664 $\pm$ 0.014 χ^2 /NDF: 59318.5/8

Right Out: -20.650 $\pm$ 0.019 χ^2 /NDF: 13885.7/18

Left In: -20.614 $\pm$ 0.014 χ^2 /NDF: 41957.5/7

Left: -21.127 $\pm$ 0.010 χ^2 /NDF: 104190.5/16

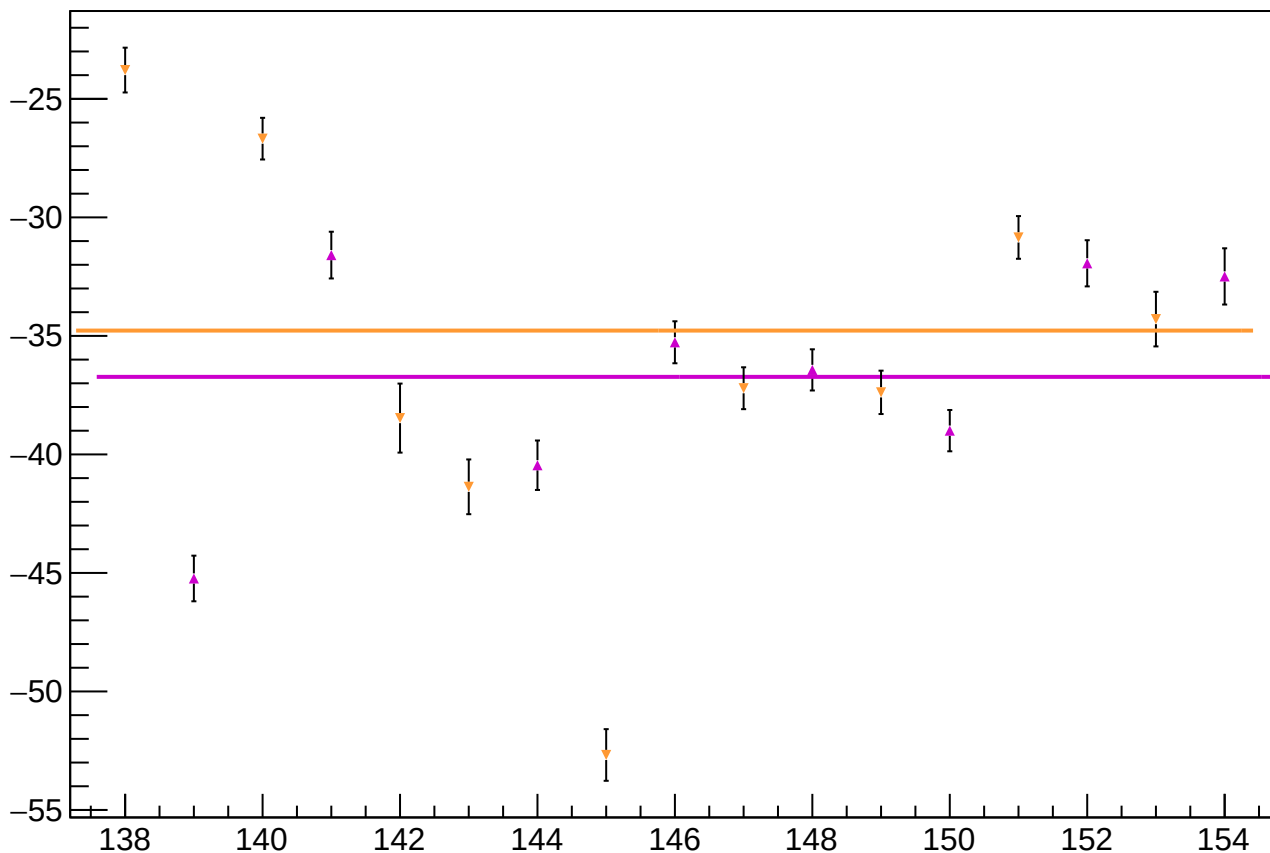
Right: -20.640 $\pm$ 0.014 χ^2 /NDF: 26376.6/35

In: -20.620 $\pm$ 0.011 χ^2 /NDF: 54448.5/24

Out: -21.320 $\pm$ 0.011 χ^2 /NDF: 75007.3/27

All: -20.964 $\pm$ 0.008 χ^2 /NDF: 131409.4/52

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: -34.775+/-0.334 χ^2/NDF :563.9/8

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

Left In: -36.728+/-0.339 χ^2/NDF :164.6/7

Left: -35.739+/-0.238 χ^2/NDF : 745.4/16

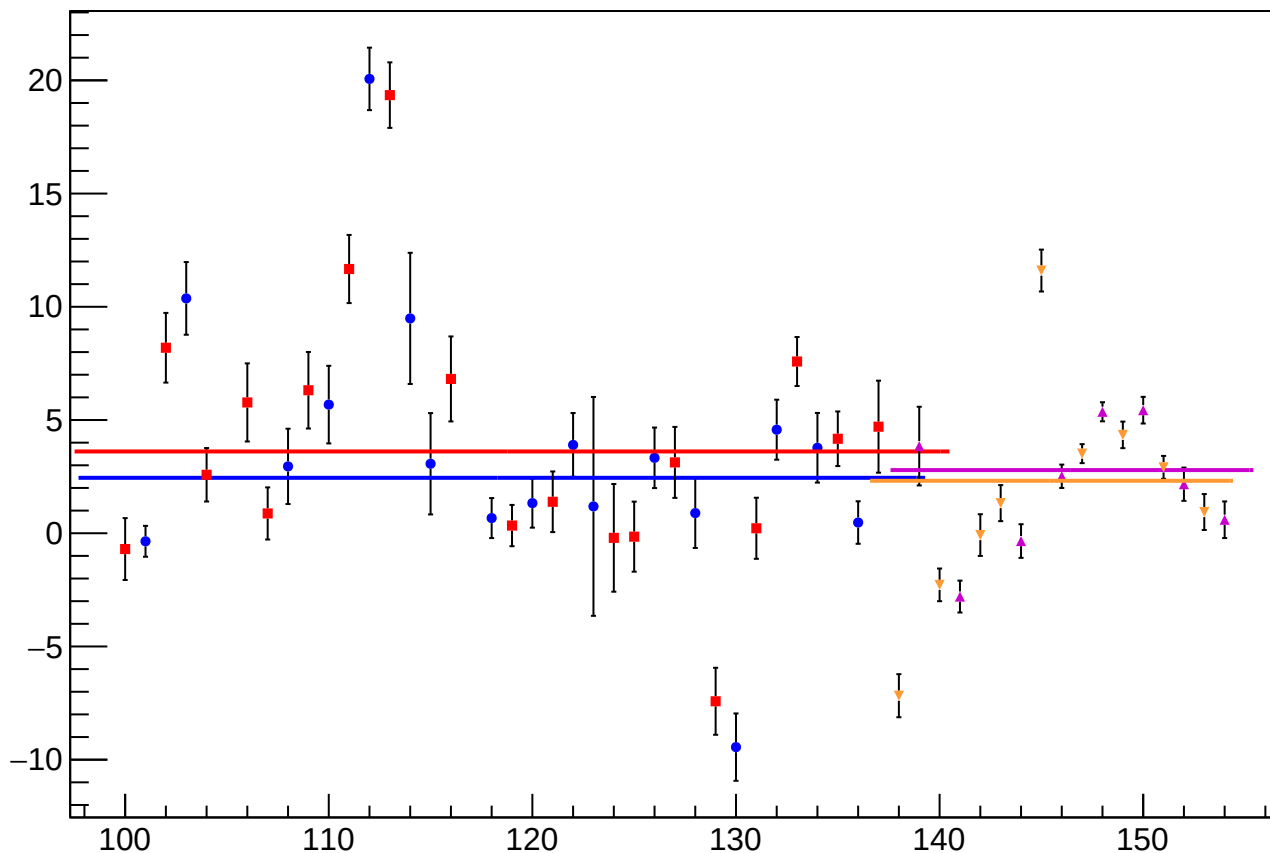
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -36.728+/-0.339 χ^2/NDF :164.6/7

Out: -34.775+/-0.334 χ^2/NDF :563.9/8

All: -35.739+/-0.238 χ^2/NDF : 745.4/16

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.448 $\pm$ 0.311 χ^2 /NDF: 293.4/16

Left Out: 2.316 $\pm$ 0.218 χ^2 /NDF:273.8/8

Right Out: 3.611 $\pm$ 0.318 χ^2 /NDF: 279.4/18

Left In: 2.789 $\pm$ 0.225 χ^2 /NDF:147.0/7

Left: 2.545 $\pm$ 0.156 χ^2 /NDF: 423.2/16

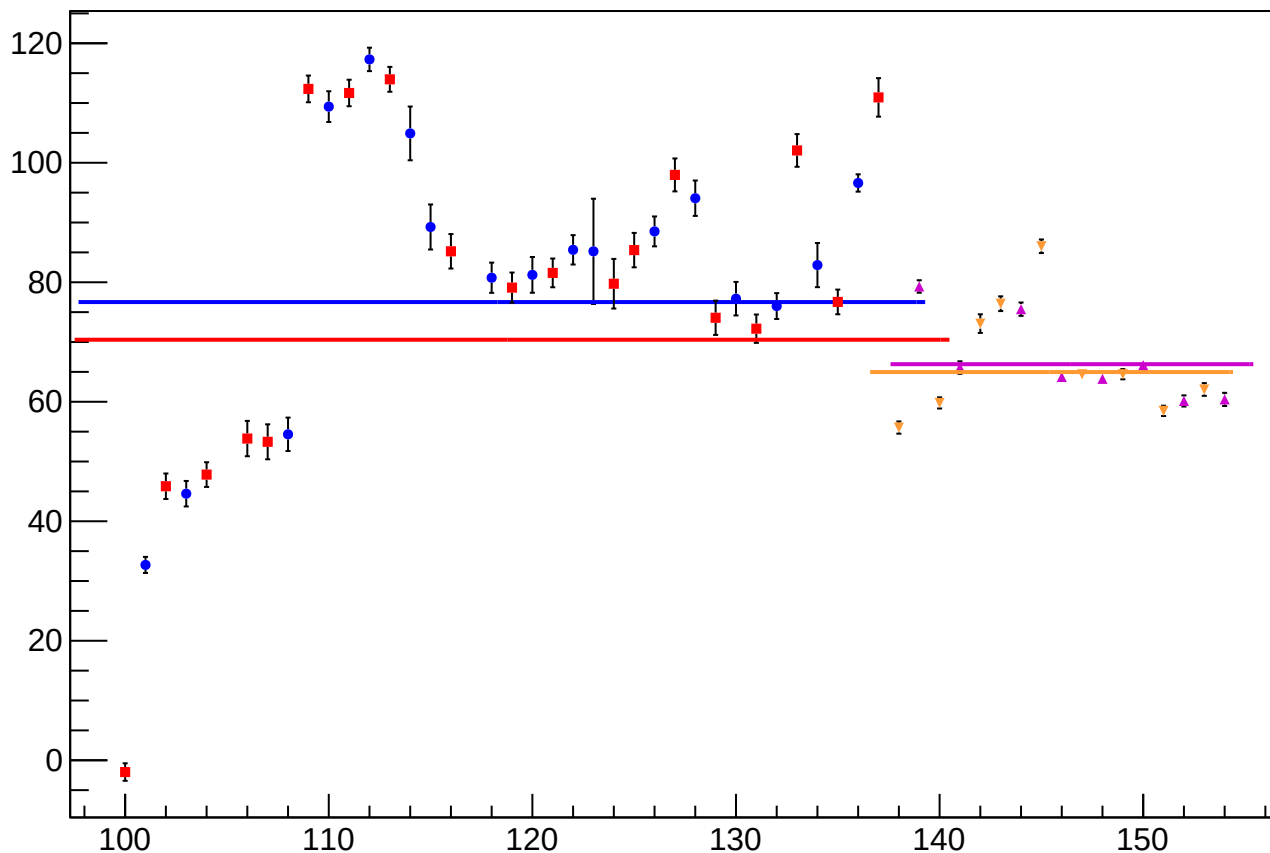
Right: 3.017 $\pm$ 0.223 χ^2 /NDF: 579.6/35

In: 2.672 $\pm$ 0.182 χ^2 /NDF:441.2/24

Out: 2.729 $\pm$ 0.180 χ^2 /NDF:564.5/27

All: 2.701 $\pm$ 0.128 χ^2 /NDF: 1005.8/52

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.687 $\pm$ 0.574 χ^2 /NDF: 2265.1/16

Left Out: 64.974 $\pm$ 0.333 χ^2 /NDF:632.9/8

Right Out: 70.386 $\pm$ 0.550 χ^2 /NDF: 4391.1/18

Left In: 66.291 $\pm$ 0.333 χ^2 /NDF:311.9/7

Left: 65.633 $\pm$ 0.236 χ^2 /NDF: 952.7/16

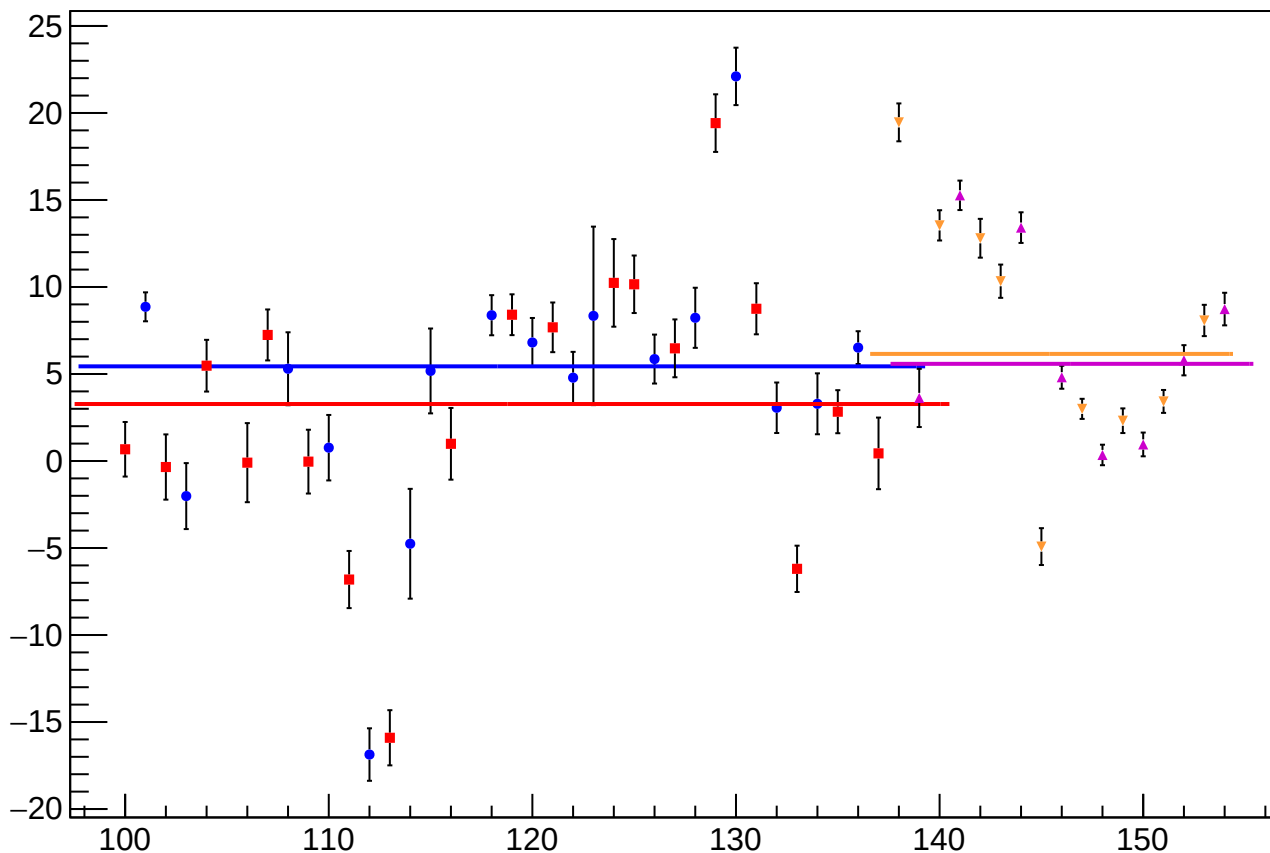
Right: 73.402 $\pm$ 0.397 χ^2 /NDF: 6719.1/35

In: 68.912 $\pm$ 0.288 χ^2 /NDF:2822.7/24

Out: 66.429 $\pm$ 0.285 χ^2 /NDF:5094.9/27

All: 67.657 $\pm$ 0.203 χ^2 /NDF: 7955.2/52

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.439 $\pm$ 0.357 χ^2 /NDF: 385.9/16

Left Out: 6.154 $\pm$ 0.272 χ^2 /NDF:466.5/8

Right Out: 3.275 $\pm$ 0.365 χ^2 /NDF: 425.8/18

Left In: 5.583 $\pm$ 0.279 χ^2 /NDF:349.0/7

Left: 5.876 $\pm$ 0.195 χ^2 /NDF: 817.6/16

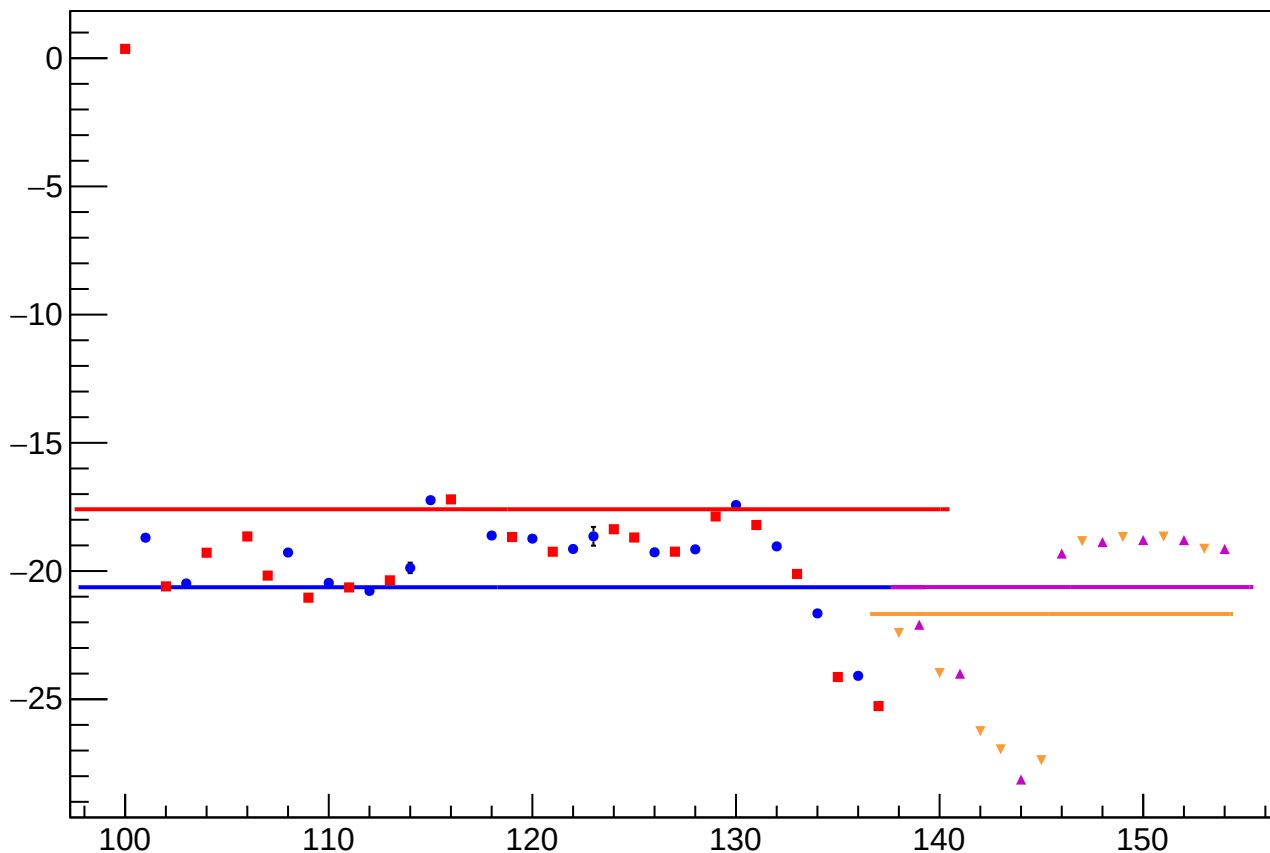
Right: 4.381 $\pm$ 0.256 χ^2 /NDF: 829.6/35

In: 5.529 $\pm$ 0.220 χ^2 /NDF:735.0/24

Out: 5.126 $\pm$ 0.218 χ^2 /NDF:932.3/27

All: 5.326 $\pm$ 0.155 χ^2 /NDF: 1668.9/52

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.632 ± 0.019 $\chi^2/\text{NDF}: 12530.8/16$

Left Out: -21.675 ± 0.014 $\chi^2/\text{NDF}: 59177.8/8$

Right Out: -17.591 ± 0.018 $\chi^2/\text{NDF}: 178680.7/18$

Left In: -20.624 ± 0.014 $\chi^2/\text{NDF}: 41913.2/7$

Left: -21.137 ± 0.010 $\chi^2/\text{NDF}: 104002.8/16$

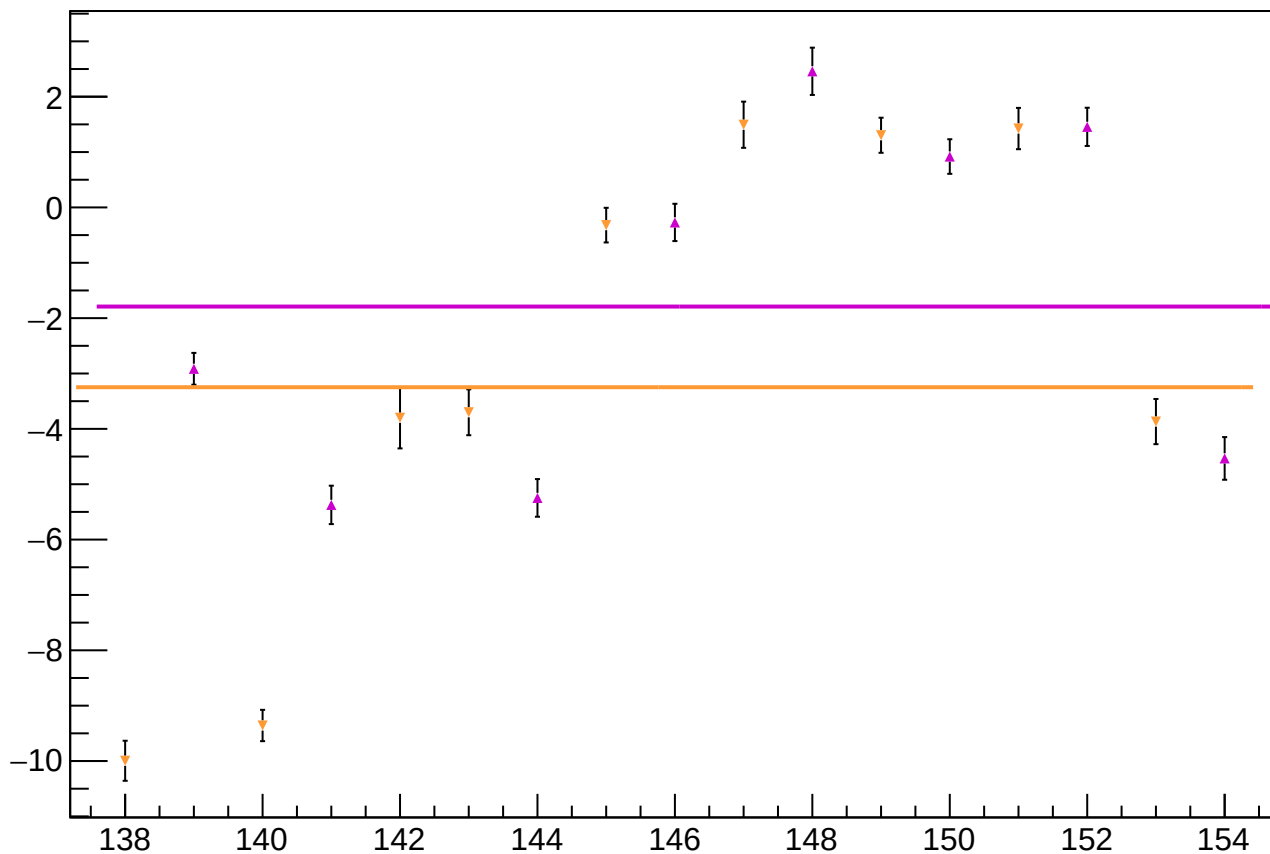
Right: -19.007 ± 0.013 $\chi^2/\text{NDF}: 204486.4/35$

In: -20.627 ± 0.011 $\chi^2/\text{NDF}: 54444.1/24$

Out: -20.148 ± 0.011 $\chi^2/\text{NDF}: 270035.5/27$

All: -20.385 ± 0.008 $\chi^2/\text{NDF}: 325416.7/52$

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -3.248+/-0.121 χ^2/NDF :1398.8/8

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

Left In: -1.791+/-0.121 χ^2/NDF :559.0/7

Left: -2.517+/-0.085 χ^2/NDF : 2030.5/16

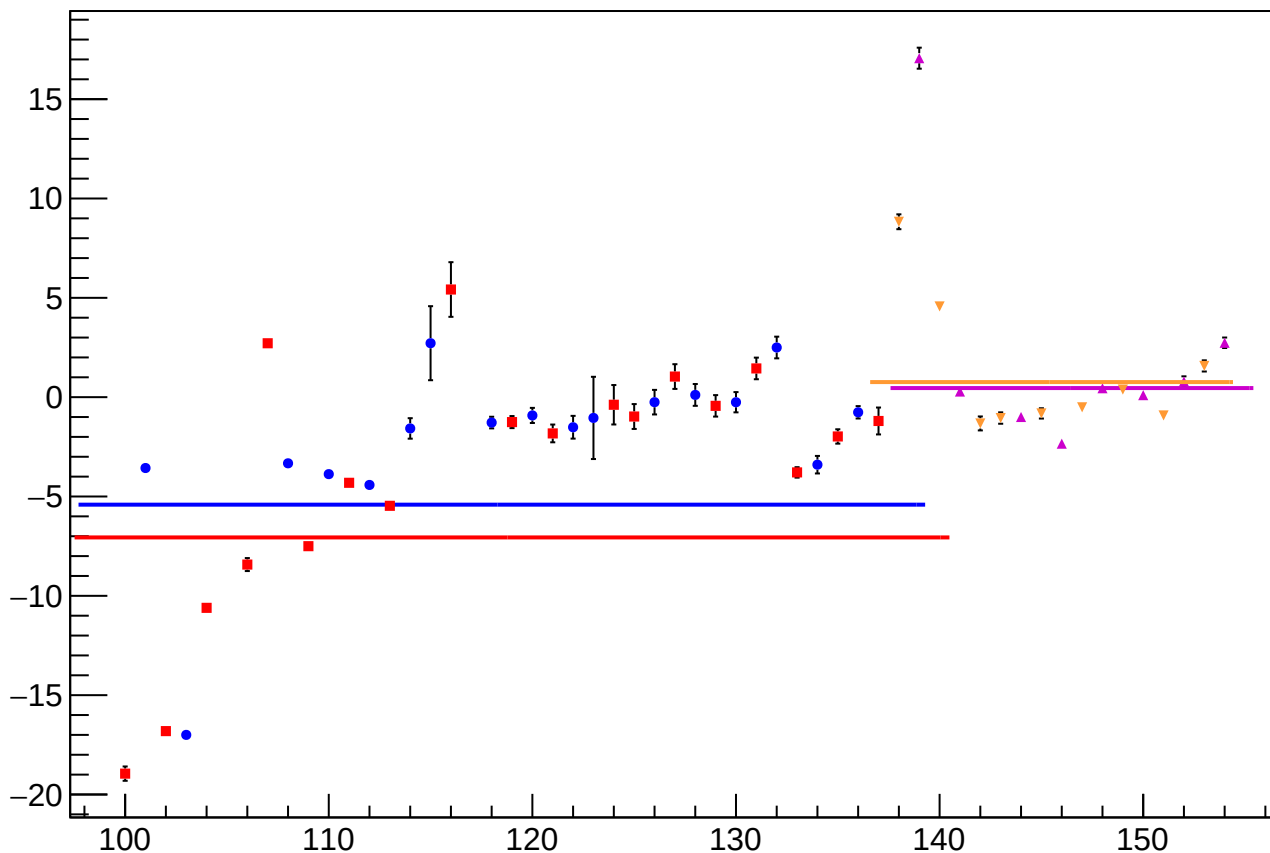
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1.791+/-0.121 χ^2/NDF :559.0/7

Out: -3.248+/-0.121 χ^2/NDF :1398.8/8

All: -2.517+/-0.085 χ^2/NDF : 2030.5/16

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.411 ± 0.055 χ^2/NDF : 9261.2/16

Left Out: 0.760 ± 0.084 χ^2/NDF : 947.7/8

Right Out: -7.060 ± 0.059 χ^2/NDF : 12329.4/18

Left In: 0.458 ± 0.087 χ^2/NDF : 1272.6/7

Left: 0.614 ± 0.060 χ^2/NDF : 2226.4/16

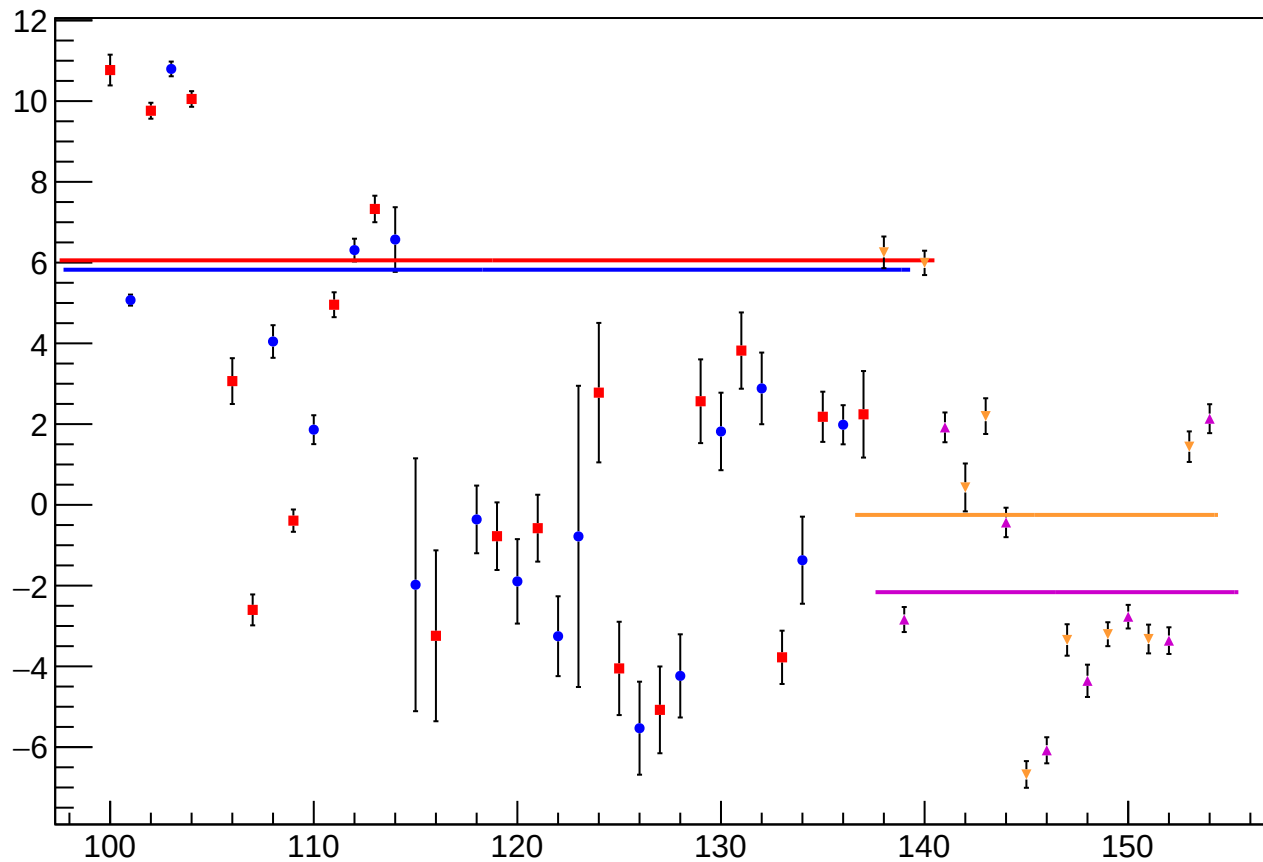
Right: -6.173 ± 0.040 χ^2/NDF : 22010.3/35

In: -3.745 ± 0.046 χ^2/NDF : 13796.9/24

Out: -4.473 ± 0.048 χ^2/NDF : 19080.1/27

All: -4.094 ± 0.033 χ^2/NDF : 32995.5/52

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.824 ± 0.090 χ^2/NDF : 1452.6/16

Left Out: -0.249 ± 0.122 χ^2/NDF : 1370.5/8

Right Out: 6.056 ± 0.093 χ^2/NDF : 2668.9/18

Left In: -2.162 ± 0.120 χ^2/NDF : 488.2/7

Left: -1.222 ± 0.085 χ^2/NDF : 1984.3/16

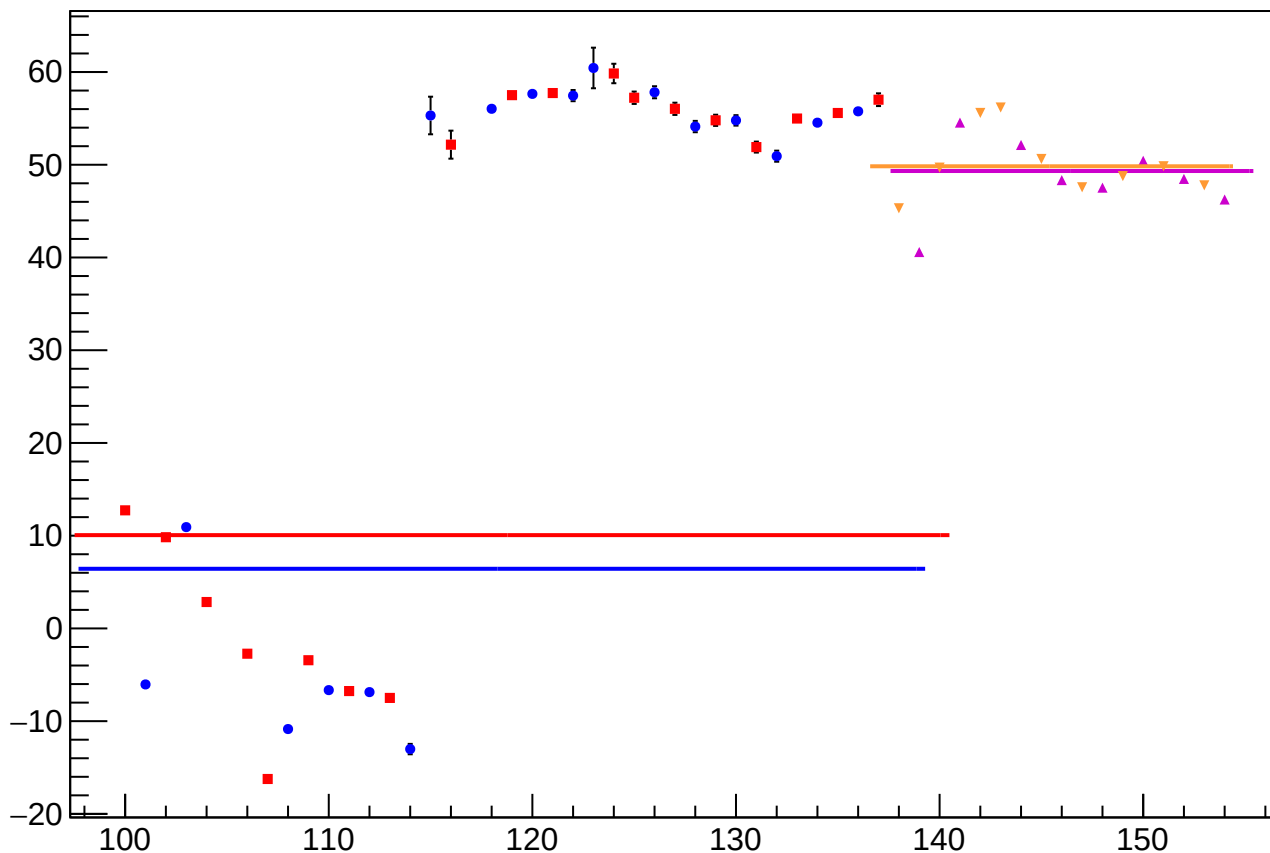
Right: 5.935 ± 0.065 χ^2/NDF : 4124.7/35

In: 2.957 ± 0.072 χ^2/NDF : 4793.8/24

Out: 3.723 ± 0.074 χ^2/NDF : 5728.5/27

All: 3.328 ± 0.052 χ^2/NDF : 10577.6/52

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.432 $\pm$ 0.065 χ^2 /NDF: 123486.3/16

Left Out: 49.835 $\pm$ 0.102 χ^2 /NDF: 772.5/8

Right Out: 10.060 $\pm$ 0.070 χ^2 /NDF: 121816.0/18

Left In: 49.325 $\pm$ 0.105 χ^2 /NDF: 875.0/7

Left: 49.586 $\pm$ 0.073 χ^2 /NDF: 1659.6/16

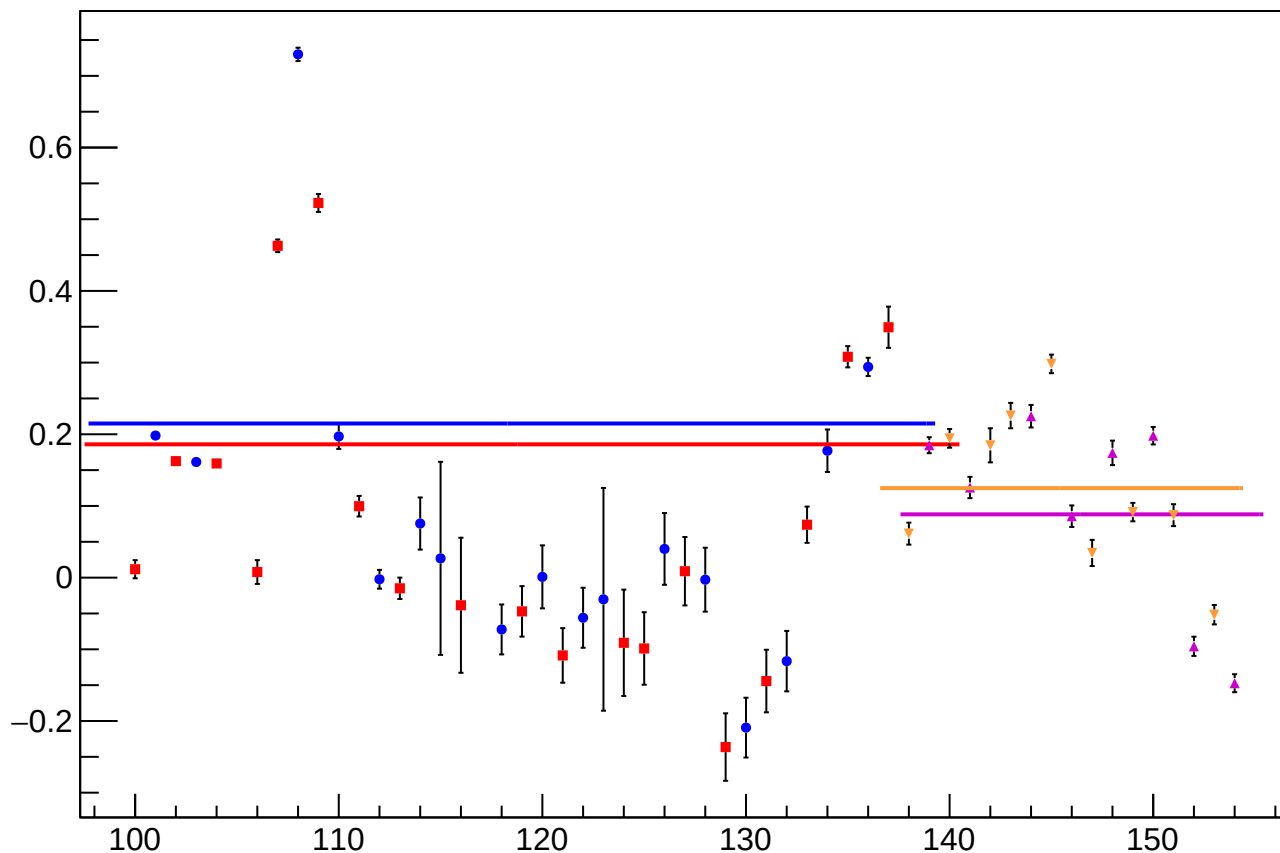
Right: 8.110 $\pm$ 0.047 χ^2 /NDF: 246756.9/35

In: 18.272 $\pm$ 0.055 χ^2 /NDF: 245677.0/24

Out: 22.660 $\pm$ 0.058 χ^2 /NDF: 225621.9/27

All: 20.365 $\pm$ 0.040 χ^2 /NDF: 474329.4/52

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215 $\pm$ 0.003 χ^2/NDF : 3930.1/16

Left Out: 0.125 $\pm$ 0.005 χ^2/NDF : 470.9/8

Right Out: 0.186 $\pm$ 0.003 χ^2/NDF : 2720.3/18

Left In: 0.088 $\pm$ 0.005 χ^2/NDF : 804.1/7

Left: 0.106 $\pm$ 0.003 χ^2/NDF : 1302.8/16

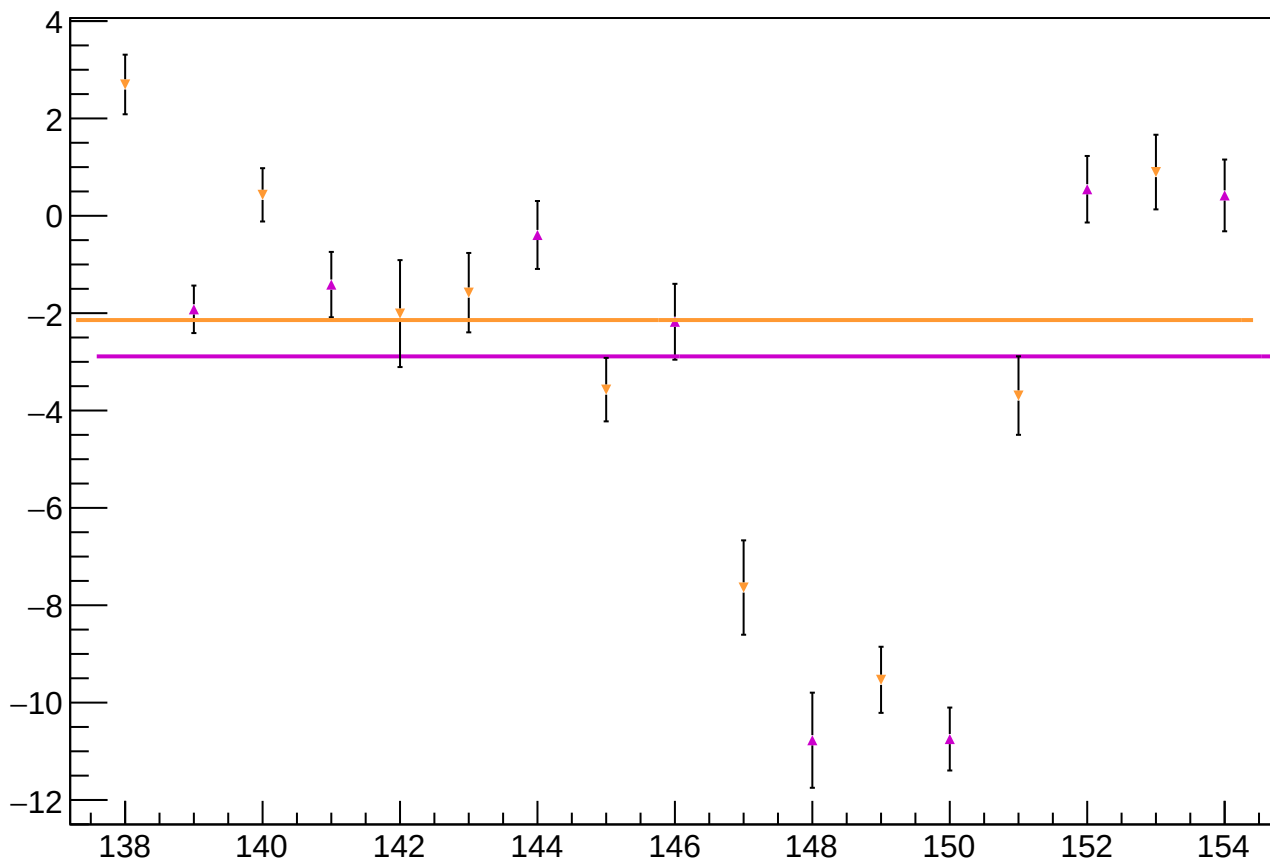
Right: 0.200 $\pm$ 0.002 χ^2/NDF : 6707.1/35

In: 0.184 $\pm$ 0.002 χ^2/NDF : 5254.5/24

Out: 0.172 $\pm$ 0.002 χ^2/NDF : 3306.9/27

All: 0.178 $\pm$ 0.002 χ^2/NDF : 8572.5/52

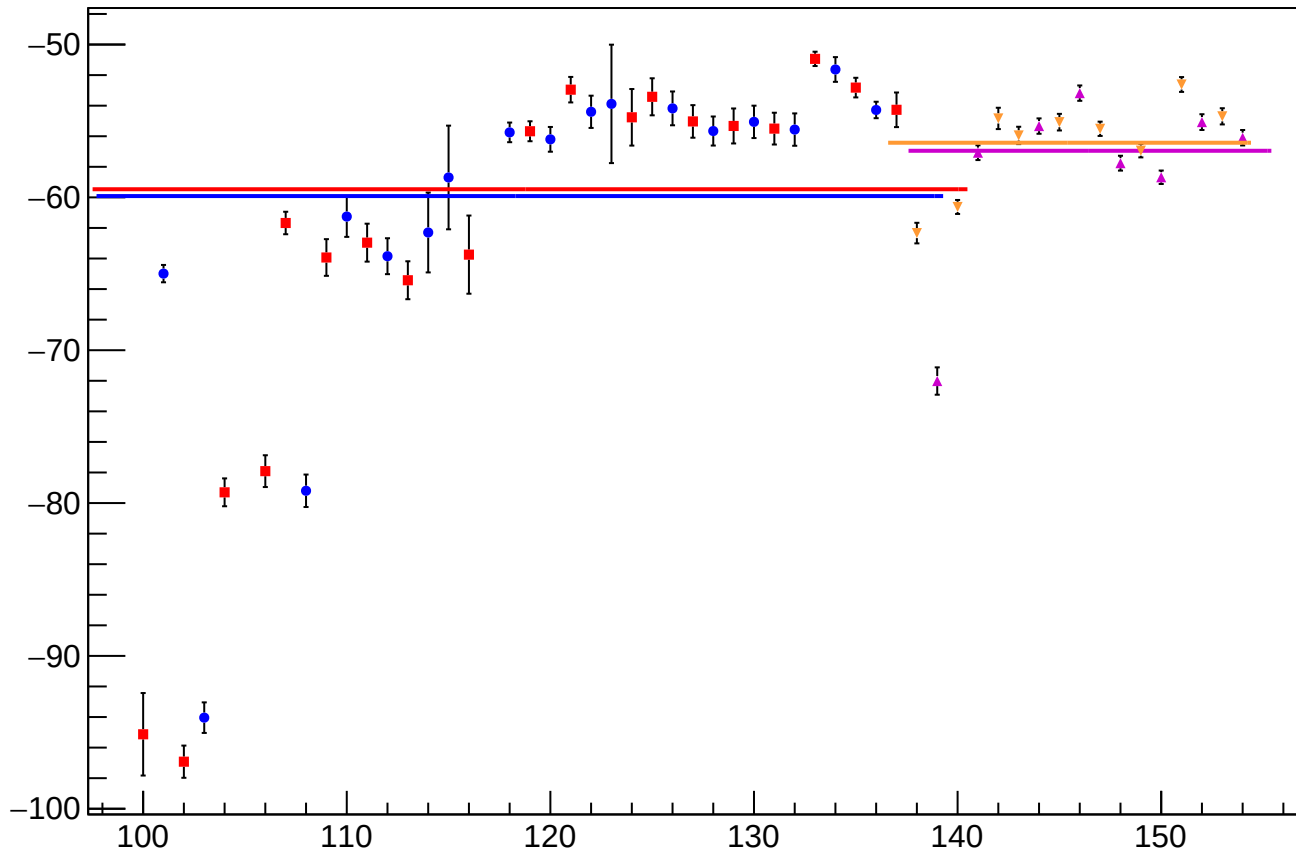
reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.142+/-0.241 χ^2/NDF : 259.9/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.888+/-0.239 χ^2/NDF : 280.7/7

Left: -2.519+/-0.170 χ^2/NDF : 545.4/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -2.888+/-0.239 χ^2/NDF : 280.7/7
 Out: -2.142+/-0.241 χ^2/NDF : 259.9/8
 All: -2.519+/-0.170 χ^2/NDF : 545.4/16

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -59.914 ± 0.223 χ^2/NDF : 1979.5/16

Left Out: -56.425 ± 0.174 χ^2/NDF : 251.1/8

Right Out: -59.468 ± 0.212 χ^2/NDF : 2912.7/18

Left In: -56.951 ± 0.181 χ^2/NDF : 384.4/7

Left: -56.677 ± 0.125 χ^2/NDF : 639.9/16

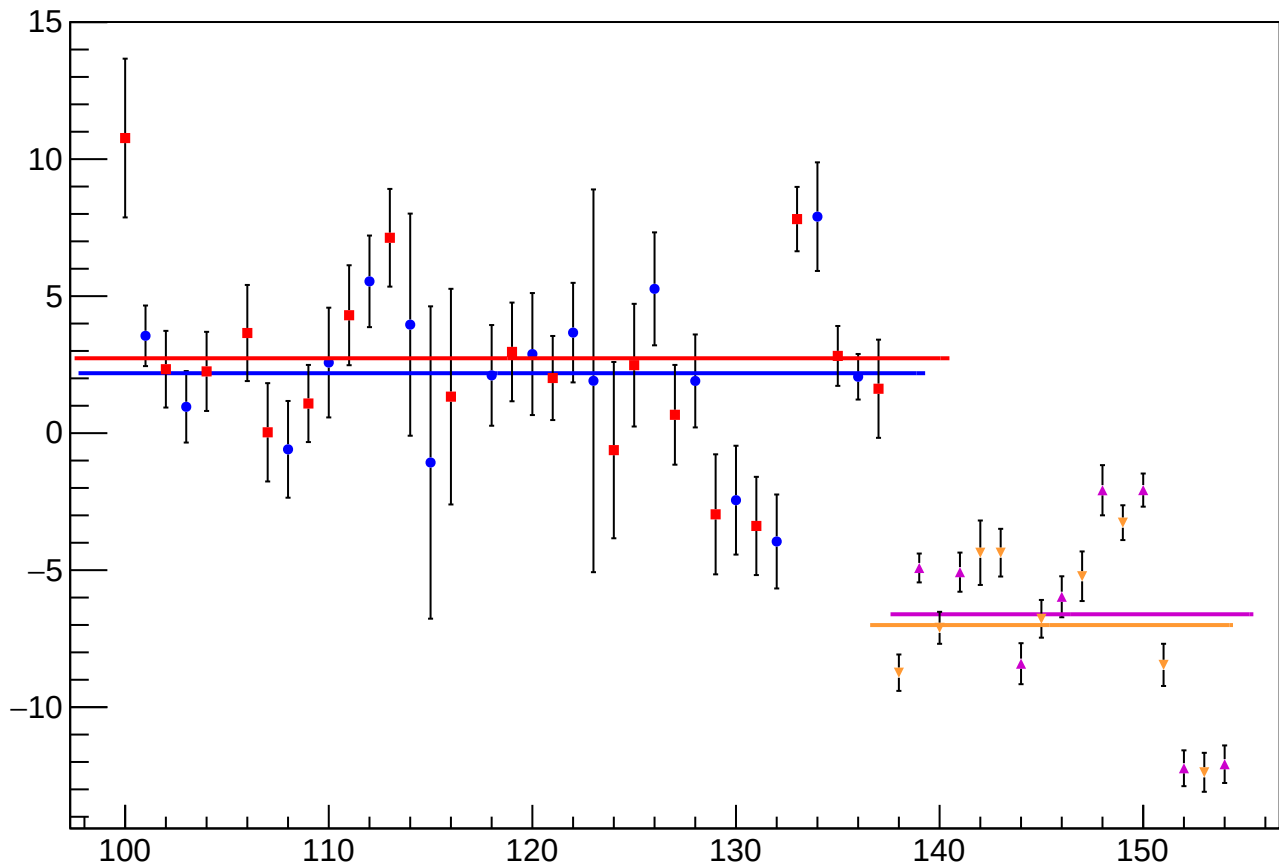
Right: -59.680 ± 0.154 χ^2/NDF : 4894.3/35

In: -58.128 ± 0.141 χ^2/NDF : 2470.3/24

Out: -57.648 ± 0.134 χ^2/NDF : 3286.9/27

All: -57.877 ± 0.097 χ^2/NDF : 5763.3/52

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.188 ± 0.404 $\chi^2/\text{NDF}: 39.1/16$

Left Out: -7.004 ± 0.245 $\chi^2/\text{NDF}: 120.4/8$

Right Out: 2.733 ± 0.388 $\chi^2/\text{NDF}: 58.9/18$

Left In: -6.610 ± 0.239 $\chi^2/\text{NDF}: 239.7/7$

Left: -6.802 ± 0.171 $\chi^2/\text{NDF}: 361.5/16$

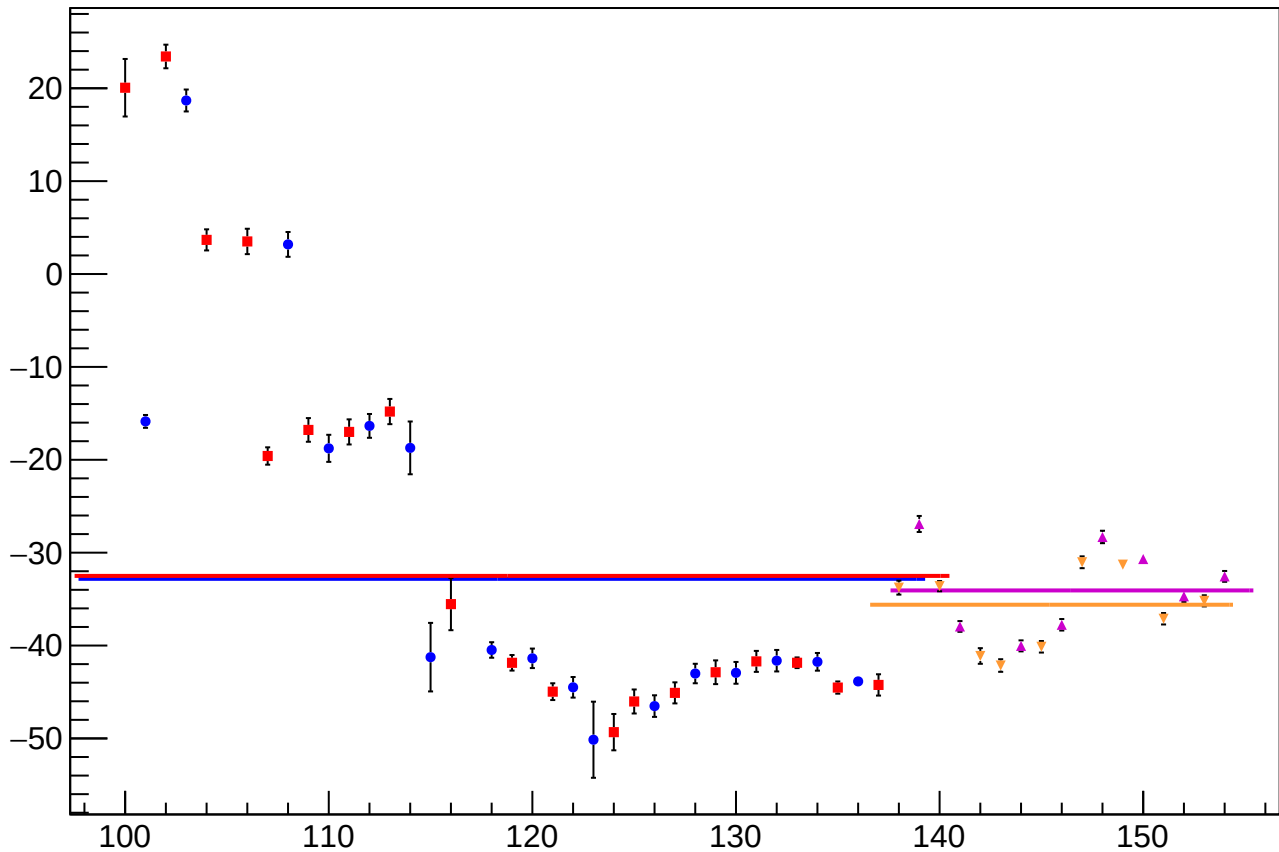
Right: 2.472 ± 0.280 $\chi^2/\text{NDF}: 98.9/35$

In: -4.333 ± 0.206 $\chi^2/\text{NDF}: 630.2/24$

Out: -4.232 ± 0.207 $\chi^2/\text{NDF}: 630.6/27$

All: -4.283 ± 0.146 $\chi^2/\text{NDF}: 1260.9/52$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.817 ± 0.254 $\chi^2/\text{NDF}: 4666.6/16$

Left Out: -35.605 ± 0.210 $\chi^2/\text{NDF}: 332.6/8$

Right Out: -32.501 ± 0.244 $\chi^2/\text{NDF}: 6037.9/18$

Left In: -34.066 ± 0.216 $\chi^2/\text{NDF}: 376.3/7$

Left: -34.856 ± 0.150 $\chi^2/\text{NDF}: 735.0/16$

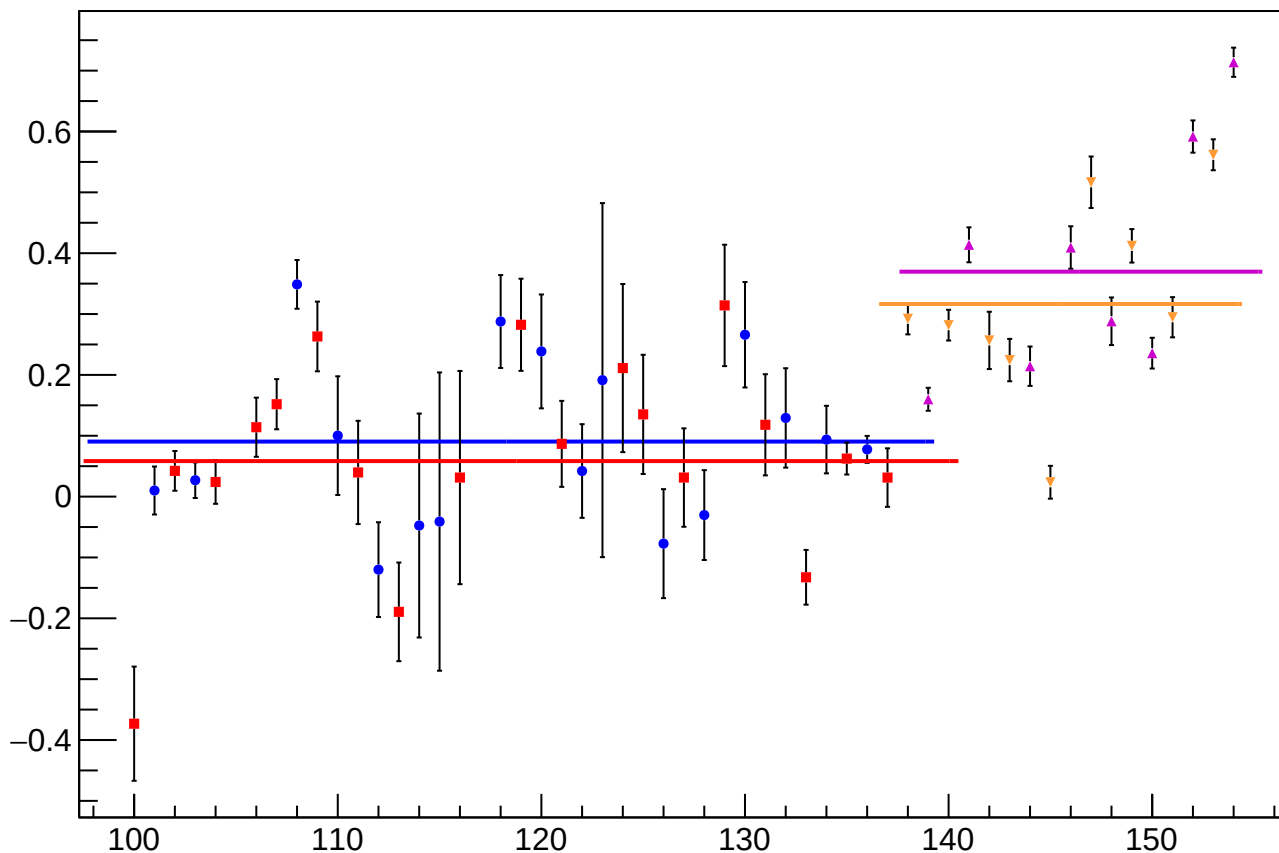
Right: -32.652 ± 0.176 $\chi^2/\text{NDF}: 10705.2/35$

In: -33.543 ± 0.164 $\chi^2/\text{NDF}: 5056.9/24$

Out: -34.284 ± 0.159 $\chi^2/\text{NDF}: 6463.4/27$

All: -33.925 ± 0.114 $\chi^2/\text{NDF}: 11530.9/52$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.090 $\pm$ 0.013 χ^2 /NDF: 79.2/16

Left Out: 0.317 $\pm$ 0.010 χ^2 /NDF:257.2/8

Right Out: 0.058 $\pm$ 0.012 χ^2 /NDF: 87.3/18

Left In: 0.370 $\pm$ 0.009 χ^2 /NDF:458.7/7

Left: 0.344 $\pm$ 0.007 χ^2 /NDF: 730.8/16

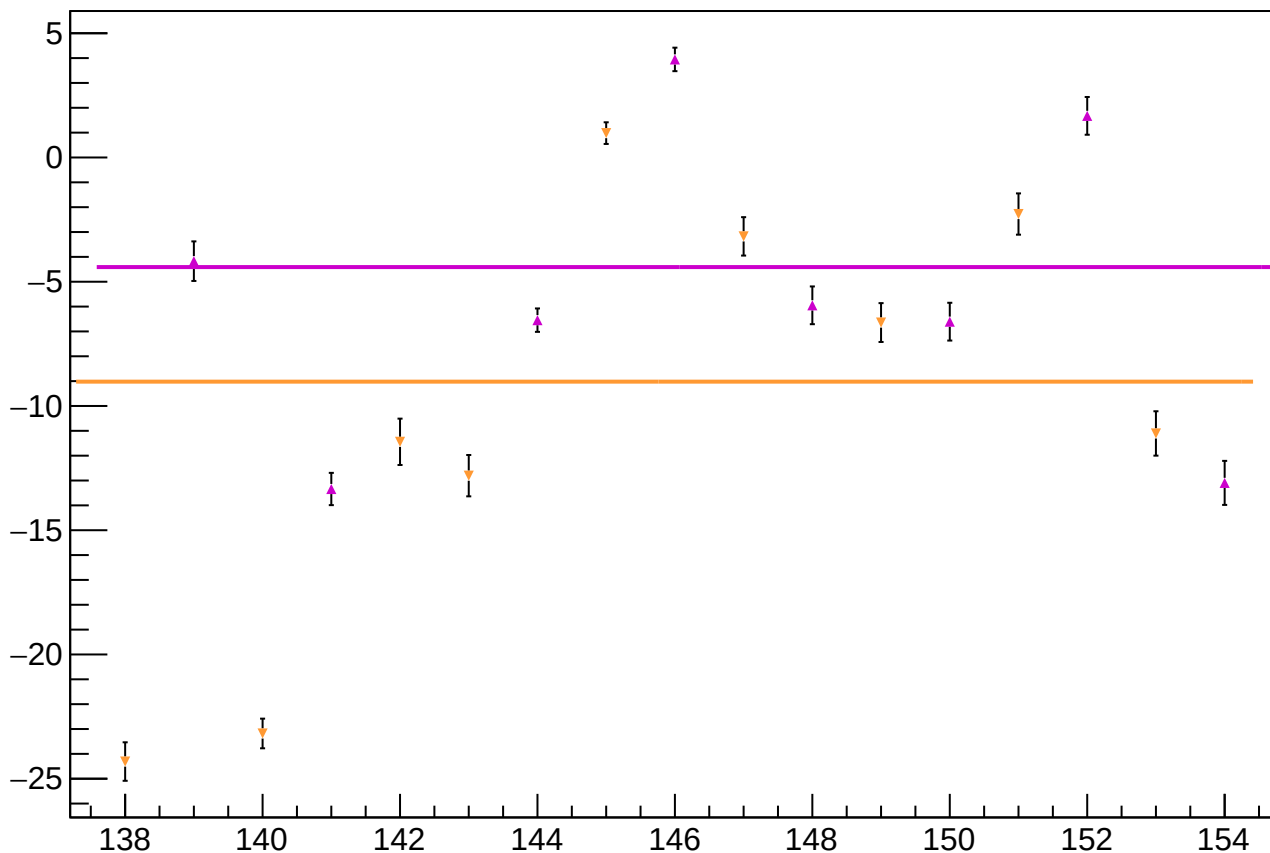
Right: 0.074 $\pm$ 0.009 χ^2 /NDF: 169.9/35

In: 0.270 $\pm$ 0.008 χ^2 /NDF:848.2/24

Out: 0.213 $\pm$ 0.008 χ^2 /NDF:614.7/27

All: 0.242 $\pm$ 0.005 χ^2 /NDF: 1491.2/52

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



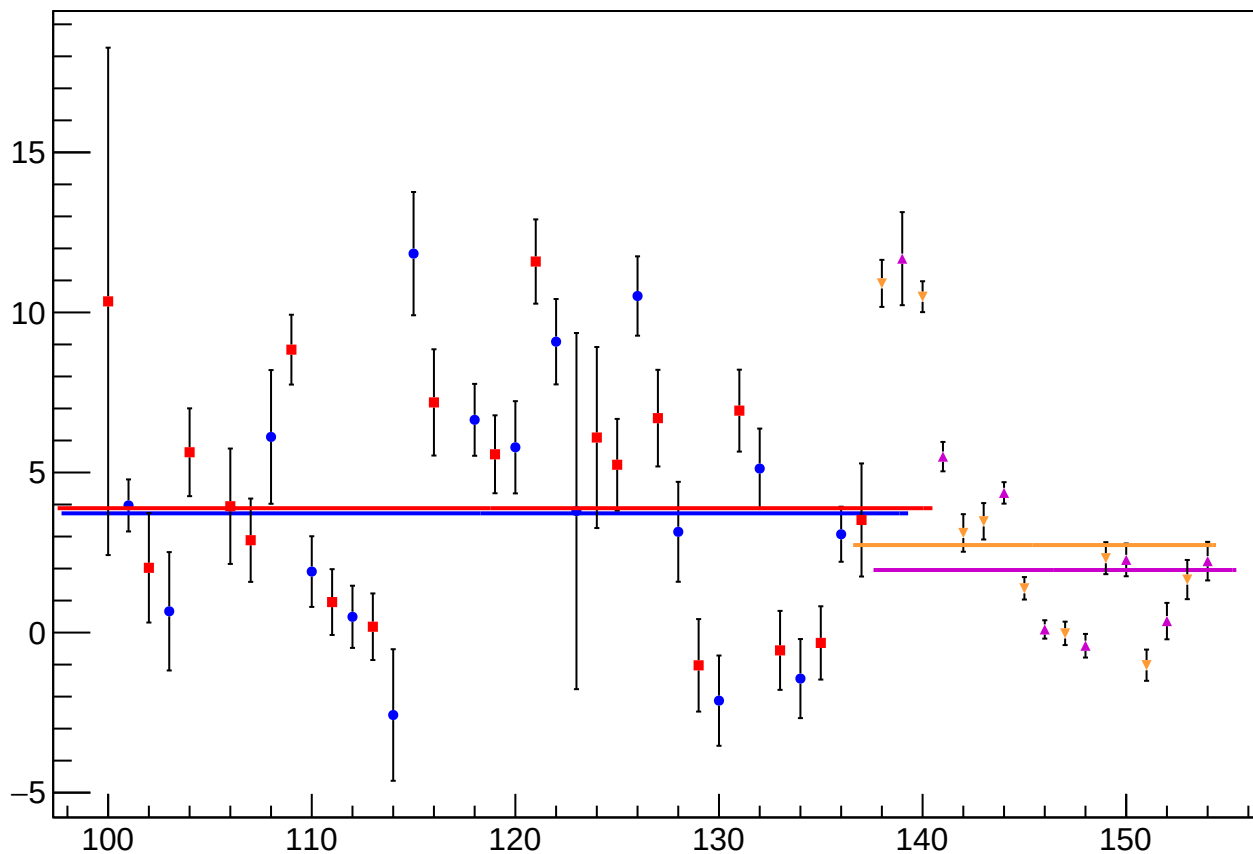
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -9.021+/-0.233 χ^2/NDF :1644.0/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -4.410+/-0.227 χ^2/NDF :695.3/7

Left: -6.651+/-0.163 χ^2/NDF : 2539.7/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -4.410+/-0.227 χ^2/NDF :695.3/7
 Out: -9.021+/-0.233 χ^2/NDF :1644.0/8

All: -6.651+/-0.163 χ^2/NDF : 2539.7/16

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.725 $\pm$ 0.308 χ^2 /NDF: 136.8/16

Left Out: 2.734 $\pm$ 0.161 χ^2 /NDF: 519.1/8

Right Out: 3.885 $\pm$ 0.316 χ^2 /NDF: 134.4/18

Left In: 1.954 $\pm$ 0.152 χ^2 /NDF: 247.3/7

Left: 2.322 $\pm$ 0.111 χ^2 /NDF: 778.8/16

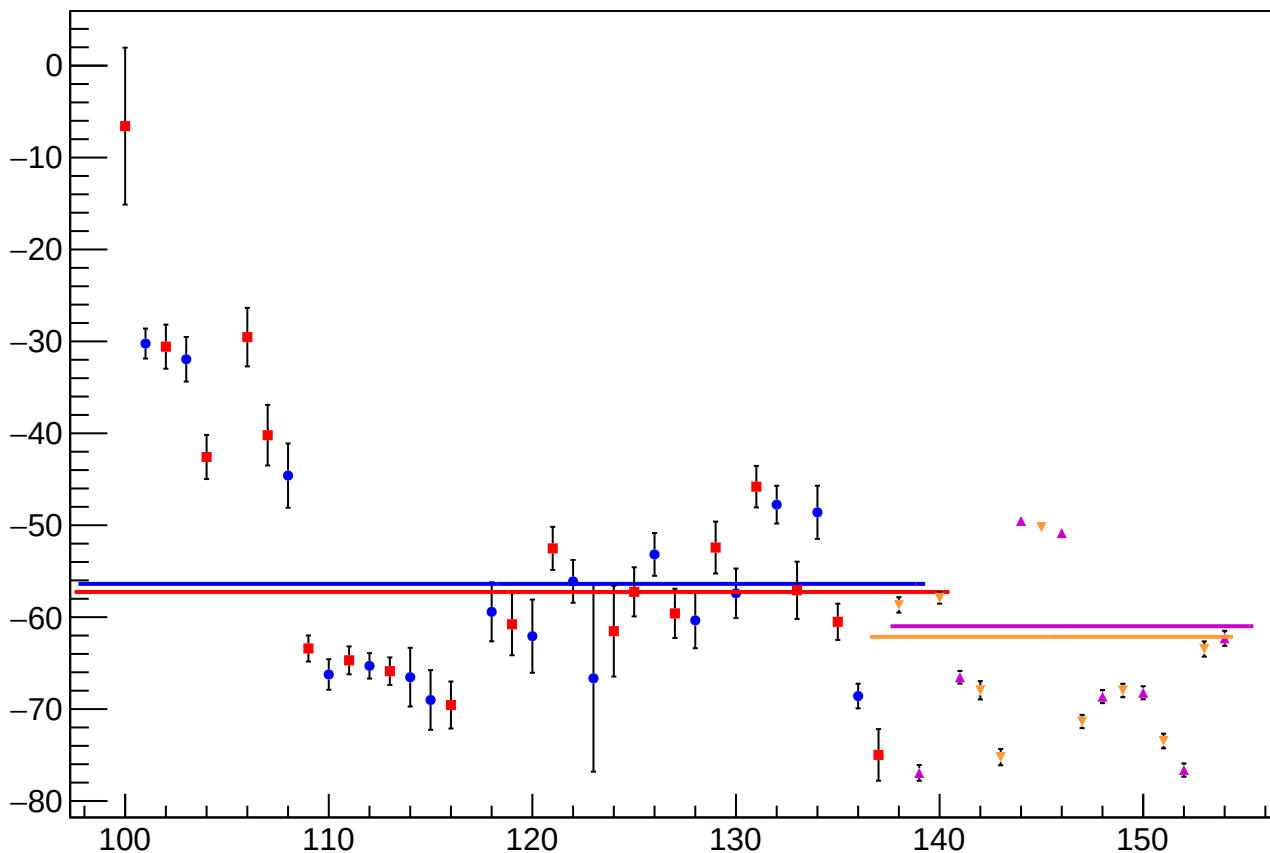
Right: 3.803 $\pm$ 0.221 χ^2 /NDF: 271.3/35

In: 2.300 $\pm$ 0.136 χ^2 /NDF: 410.6/24

Out: 2.971 $\pm$ 0.143 χ^2 /NDF: 664.0/27

All: 2.619 $\pm$ 0.099 χ^2 /NDF: 1086.1/52

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -56.379 ± 0.542 $\chi^2/\text{NDF}: 587.4/16$

Left Out: -62.139 ± 0.238 $\chi^2/\text{NDF}: 1407.2/8$

Right Out: -57.258 ± 0.536 $\chi^2/\text{NDF}: 476.1/18$

Left In: -60.986 ± 0.226 $\chi^2/\text{NDF}: 2108.1/7$

Left: -61.533 ± 0.164 $\chi^2/\text{NDF}: 3527.6/16$

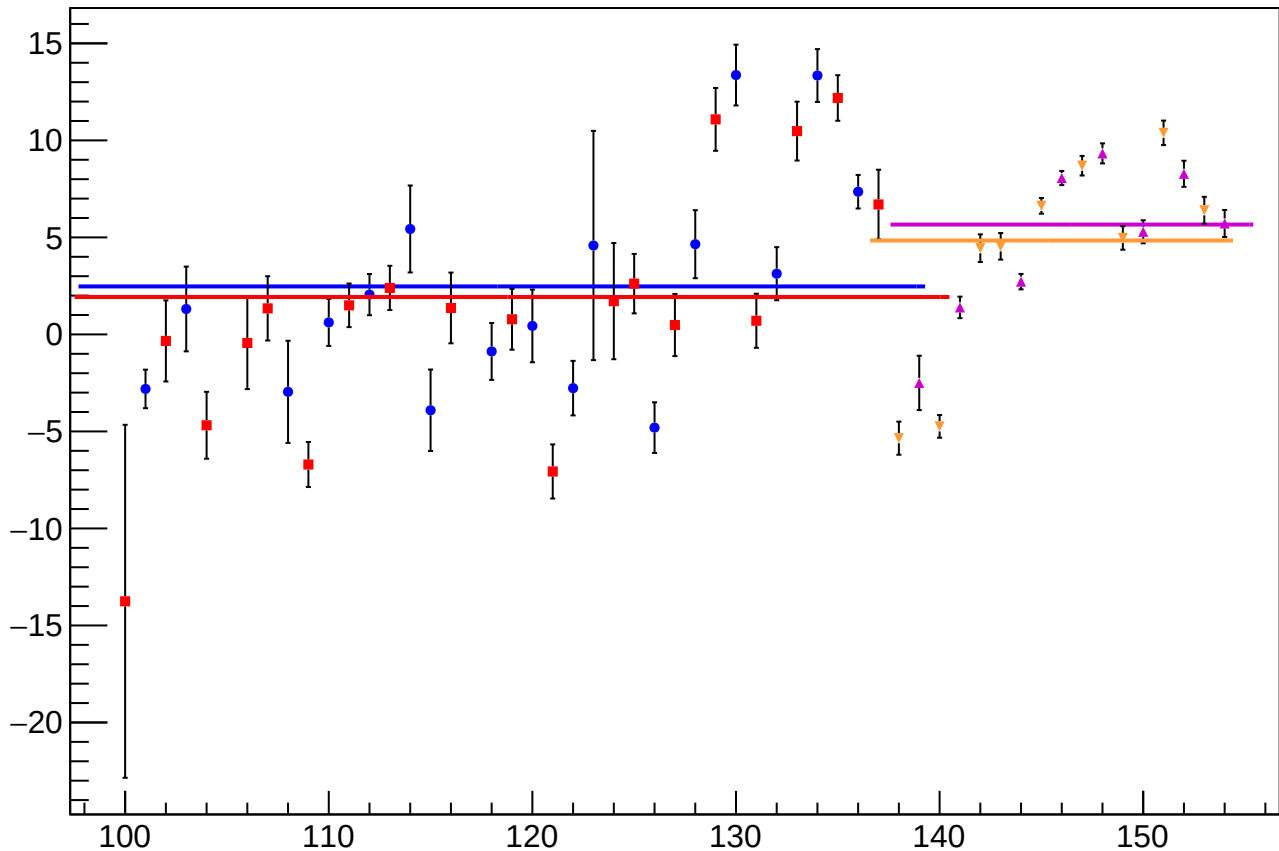
Right: -56.823 ± 0.381 $\chi^2/\text{NDF}: 1064.8/35$

In: -60.303 ± 0.209 $\chi^2/\text{NDF}: 2757.1/24$

Out: -61.334 ± 0.218 $\chi^2/\text{NDF}: 1952.6/27$

All: -60.797 ± 0.151 $\chi^2/\text{NDF}: 4721.3/52$

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.473 ± 0.345 χ^2/NDF : 243.6/16

Left Out: 4.840 ± 0.197 χ^2/NDF : 572.1/8

Right Out: 1.928 ± 0.355 χ^2/NDF : 266.6/18

Left In: 5.662 ± 0.187 χ^2/NDF : 257.2/7

Left: 5.271 ± 0.136 χ^2/NDF : 838.4/16

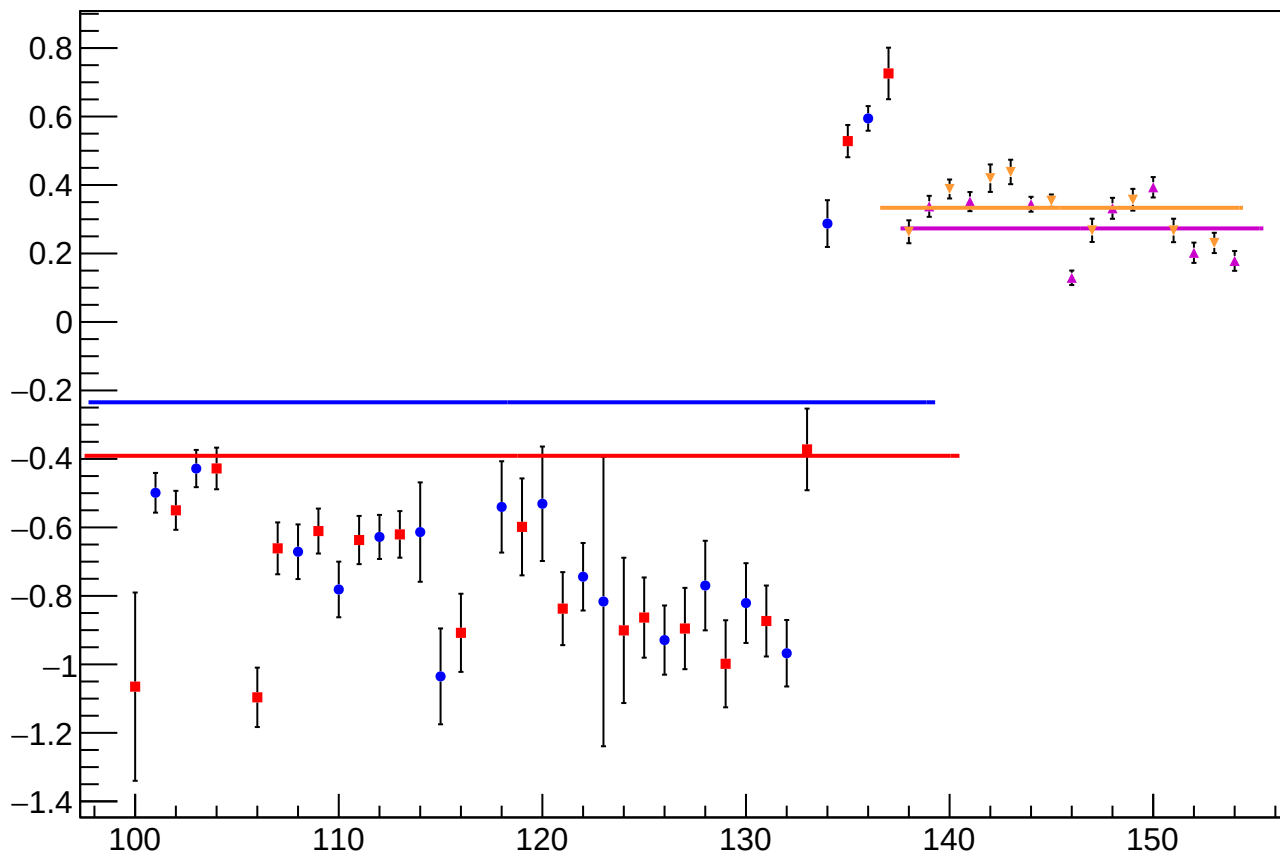
Right: 2.208 ± 0.248 χ^2/NDF : 511.4/35

In: 4.936 ± 0.165 χ^2/NDF : 566.6/24

Out: 4.153 ± 0.172 χ^2/NDF : 890.2/27

All: 4.562 ± 0.119 χ^2/NDF : 1467.6/52

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.235 $\pm$ 0.019 χ^2/NDF : 958.4/16

Left Out: 0.333 $\pm$ 0.010 χ^2/NDF : 42.9/8

Right Out: -0.391 $\pm$ 0.019 χ^2/NDF : 853.3/18

Left In: 0.273 $\pm$ 0.009 χ^2/NDF : 105.7/7

Left: 0.302 $\pm$ 0.007 χ^2/NDF : 168.3/16

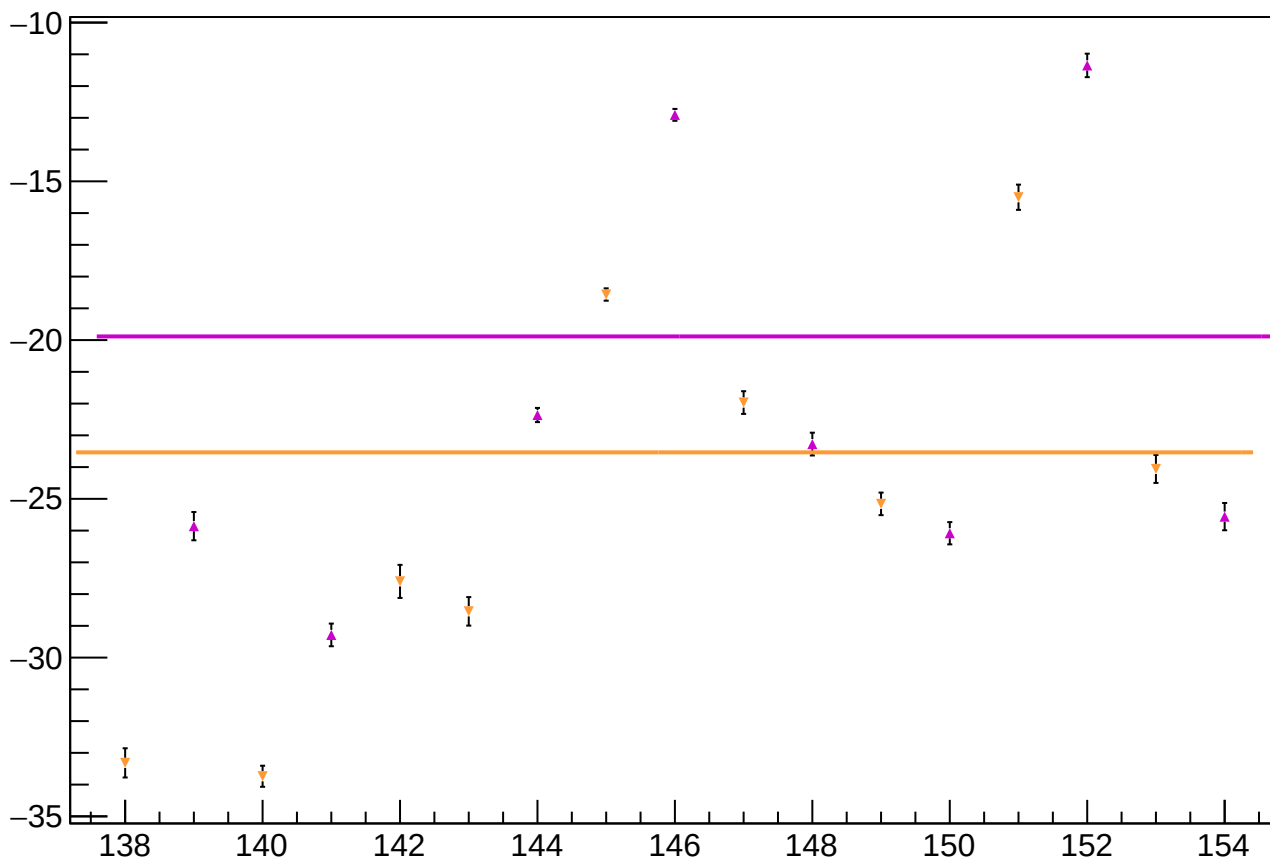
Right: -0.312 $\pm$ 0.013 χ^2/NDF : 1845.8/35

In: 0.172 $\pm$ 0.008 χ^2/NDF : 1643.4/24

Out: 0.181 $\pm$ 0.009 χ^2/NDF : 2049.6/27

All: 0.176 $\pm$ 0.006 χ^2/NDF : 3693.7/52

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



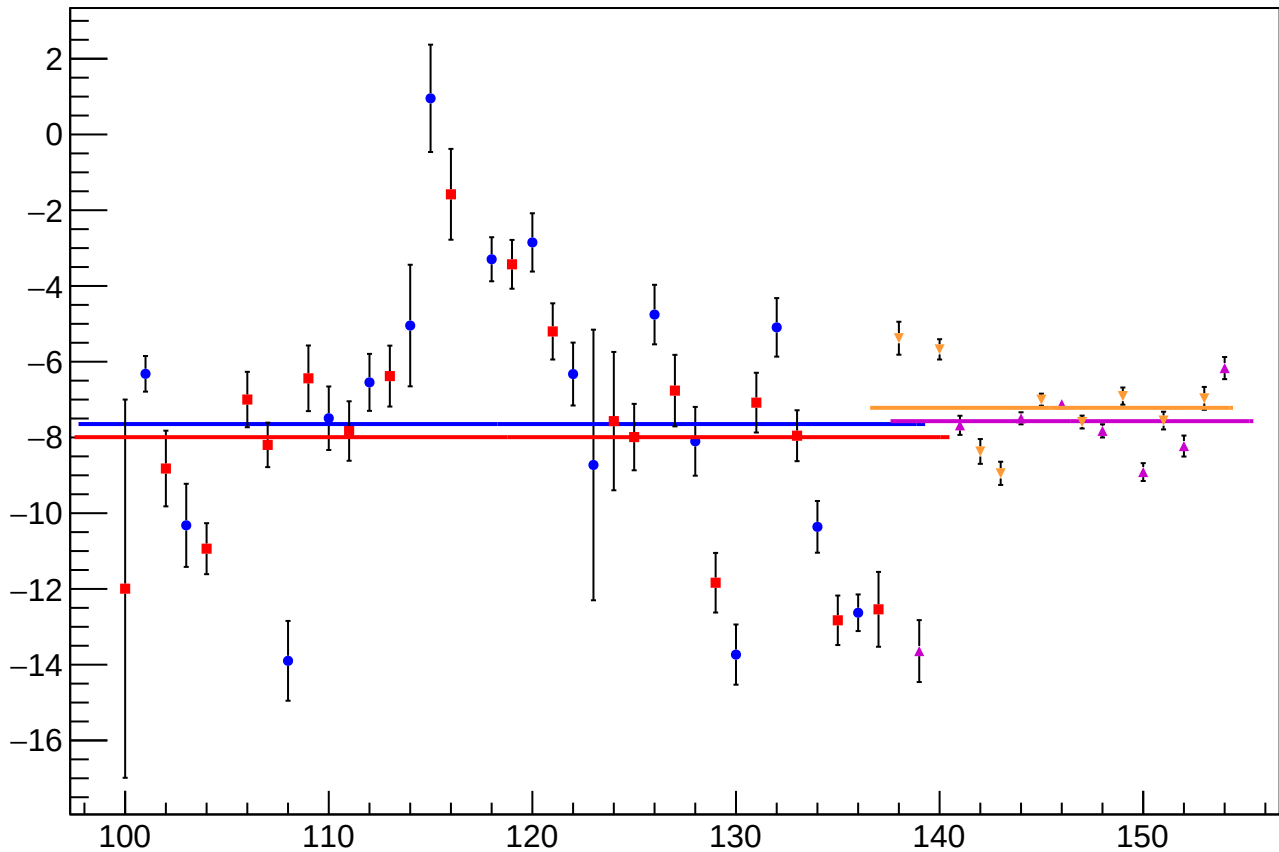
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -23.536+/-0.115 χ^2/NDF : 2682.4/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -19.885+/-0.105 χ^2/NDF : 3491.9/7

Left: -21.556+/-0.078 χ^2/NDF : 6723.8/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.885+/-0.105 χ^2/NDF : 3491.9/7
 Out: -23.536+/-0.115 χ^2/NDF : 2682.4/8

All: -21.556+/-0.078 χ^2/NDF : 6723.8/16

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.646 ± 0.186 χ^2/NDF : 393.6/16

Left Out: -7.218 ± 0.079 χ^2/NDF : 106.5/8

Right Out: -7.992 ± 0.186 χ^2/NDF : 225.5/18

Left In: -7.570 ± 0.070 χ^2/NDF : 133.6/7

Left: -7.414 ± 0.052 χ^2/NDF : 251.3/16

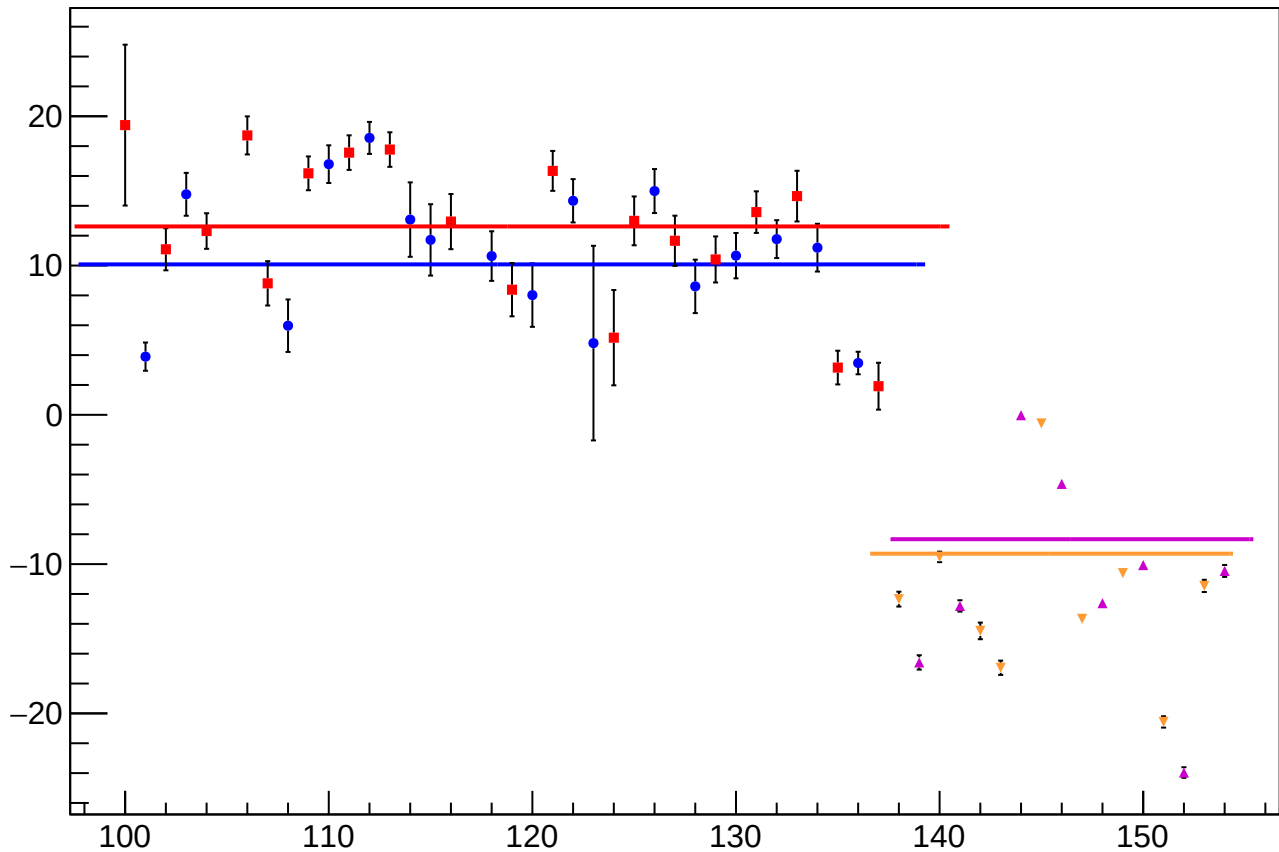
Right: -7.819 ± 0.131 χ^2/NDF : 620.8/35

In: -7.579 ± 0.065 χ^2/NDF : 527.4/24

Out: -7.335 ± 0.072 χ^2/NDF : 346.7/27

All: -7.470 ± 0.048 χ^2/NDF : 880.3/52

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 10.077 ± 0.337 $\chi^2/\text{NDF}: 252.8/16$

Left Out: -9.301 ± 0.116 $\chi^2/\text{NDF}: 3262.1/8$

Right Out: 12.620 ± 0.332 $\chi^2/\text{NDF}: 220.0/18$

Left In: -8.332 ± 0.104 $\chi^2/\text{NDF}: 4227.6/7$

Left: -8.765 ± 0.078 $\chi^2/\text{NDF}: 7528.3/16$

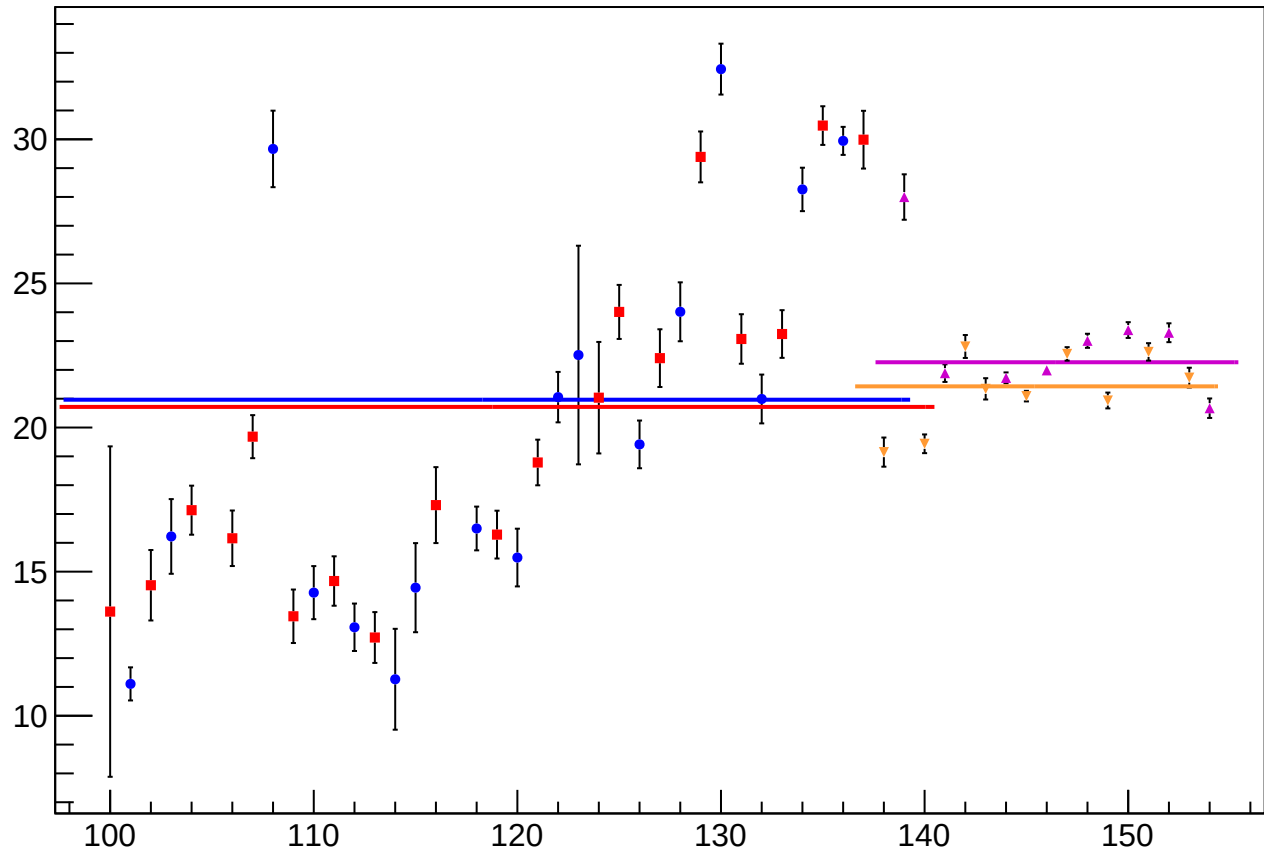
Right: 11.365 ± 0.237 $\chi^2/\text{NDF}: 501.6/35$

In: -6.721 ± 0.100 $\chi^2/\text{NDF}: 7207.0/24$

Out: -6.915 ± 0.110 $\chi^2/\text{NDF}: 7357.0/27$

All: -6.809 ± 0.074 $\chi^2/\text{NDF}: 14565.7/52$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.965 $\pm$ 0.209 χ^2 /NDF: 1225.5/16

Left Out: 21.428 $\pm$ 0.096 χ^2 /NDF:116.4/8

Right Out: 20.716 $\pm$ 0.213 χ^2 /NDF: 729.9/18

Left In: 22.265 $\pm$ 0.086 χ^2 /NDF:124.3/7

Left: 21.893 $\pm$ 0.064 χ^2 /NDF: 282.6/16

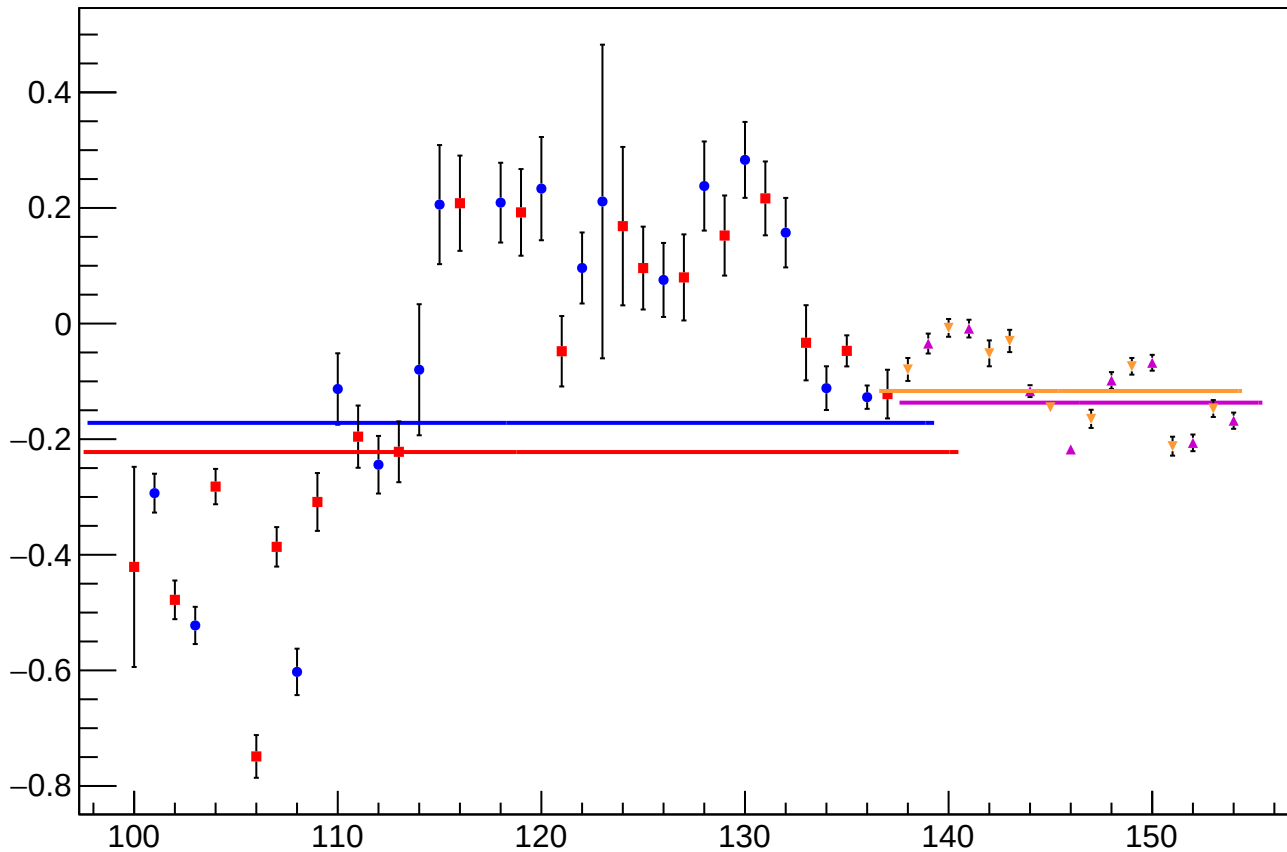
Right: 20.842 $\pm$ 0.149 χ^2 /NDF: 1956.1/35

In: 22.077 $\pm$ 0.080 χ^2 /NDF:1382.7/24

Out: 21.307 $\pm$ 0.088 χ^2 /NDF:855.6/27

All: 21.729 $\pm$ 0.059 χ^2 /NDF: 2280.5/52

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.172 ± 0.011 χ^2/NDF : 464.2/16

Left Out: -0.117 ± 0.005 χ^2/NDF : 151.0/8

Right Out: -0.222 ± 0.011 χ^2/NDF : 536.1/18

Left In: -0.137 ± 0.004 χ^2/NDF : 261.0/7

Left: -0.127 ± 0.003 χ^2/NDF : 421.6/16

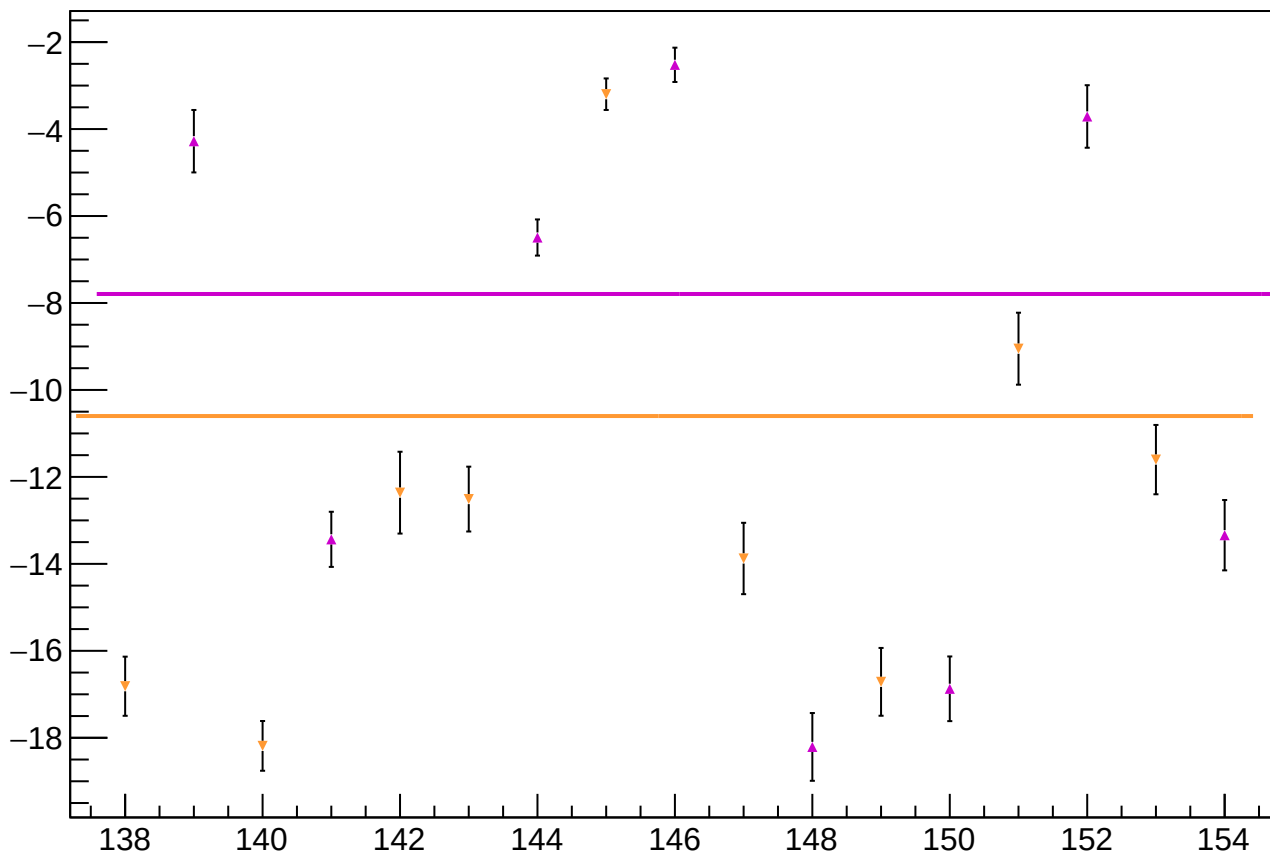
Right: -0.198 ± 0.008 χ^2/NDF : 1010.7/35

In: -0.142 ± 0.004 χ^2/NDF : 733.7/24

Out: -0.133 ± 0.004 χ^2/NDF : 765.4/27

All: -0.138 ± 0.003 χ^2/NDF : 1500.8/52

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: -10.600+/-0.214 χ^2/NDF : 768.4/8

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

Left In: -7.793+/-0.206 χ^2/NDF : 698.4/7

Left: -9.146+/-0.148 χ^2/NDF : 1556.3/16

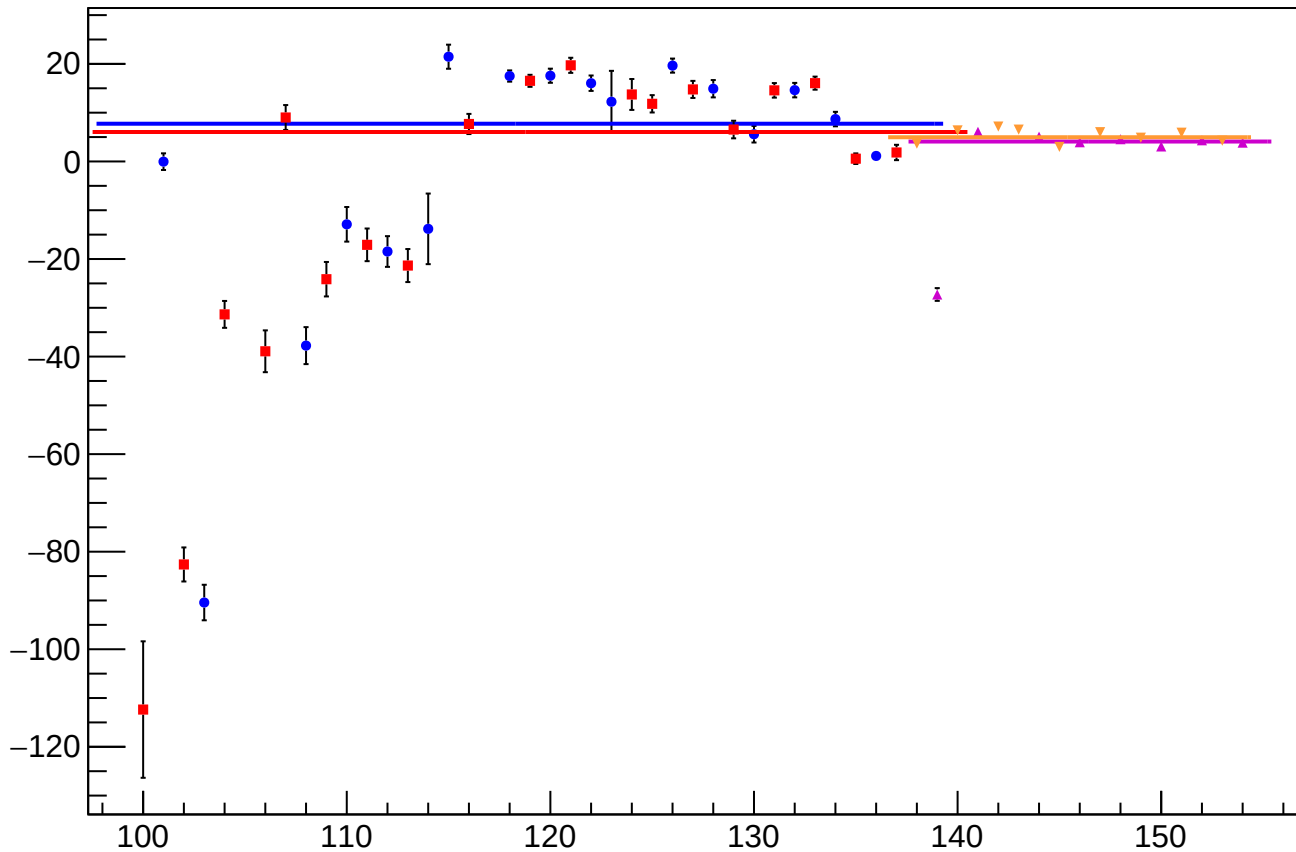
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -7.793+/-0.206 χ^2/NDF : 698.4/7

Out: -10.600+/-0.214 χ^2/NDF : 768.4/8

All: -9.146+/-0.148 χ^2/NDF : 1556.3/16

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.736 ± 0.403 $\chi^2/\text{NDF}: 1358.4/16$

Left Out: 4.964 ± 0.151 $\chi^2/\text{NDF}: 96.0/8$

Right Out: 6.040 ± 0.434 $\chi^2/\text{NDF}: 1512.1/18$

Left In: 4.084 ± 0.141 $\chi^2/\text{NDF}: 612.7/7$

Left: 4.494 ± 0.103 $\chi^2/\text{NDF}: 726.8/16$

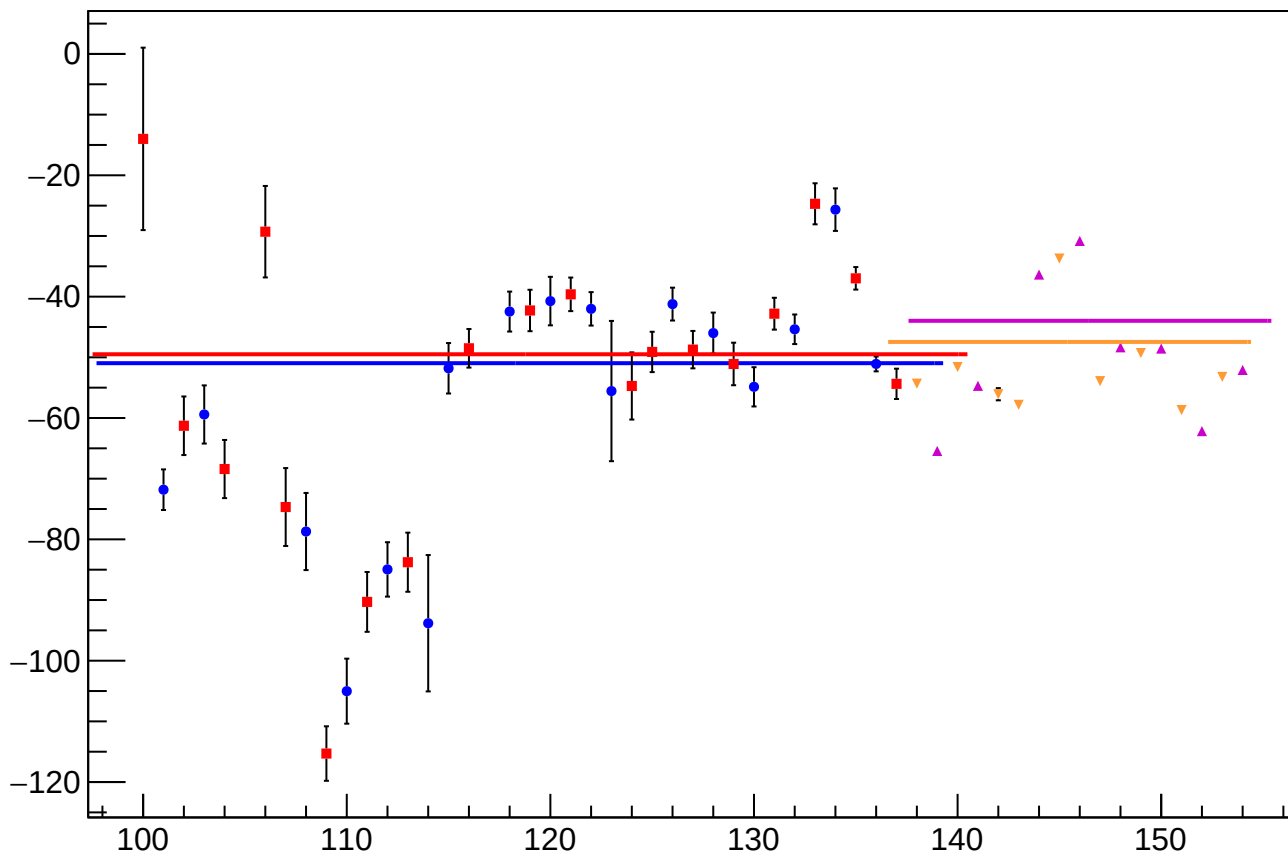
Right: 6.952 ± 0.295 $\chi^2/\text{NDF}: 2878.8/35$

In: 4.482 ± 0.133 $\chi^2/\text{NDF}: 2044.4/24$

Out: 5.080 ± 0.142 $\chi^2/\text{NDF}: 1613.6/27$

All: 4.761 ± 0.097 $\chi^2/\text{NDF}: 3667.4/52$

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -50.966 ± 0.738 χ^2/NDF : 332.7/16

Left Out: -47.464 ± 0.219 χ^2/NDF : 1972.9/8

Right Out: -49.497 ± 0.797 χ^2/NDF : 510.4/18

Left In: -43.983 ± 0.206 χ^2/NDF : 3401.9/7

Left: -45.611 ± 0.150 χ^2/NDF : 5508.7/16

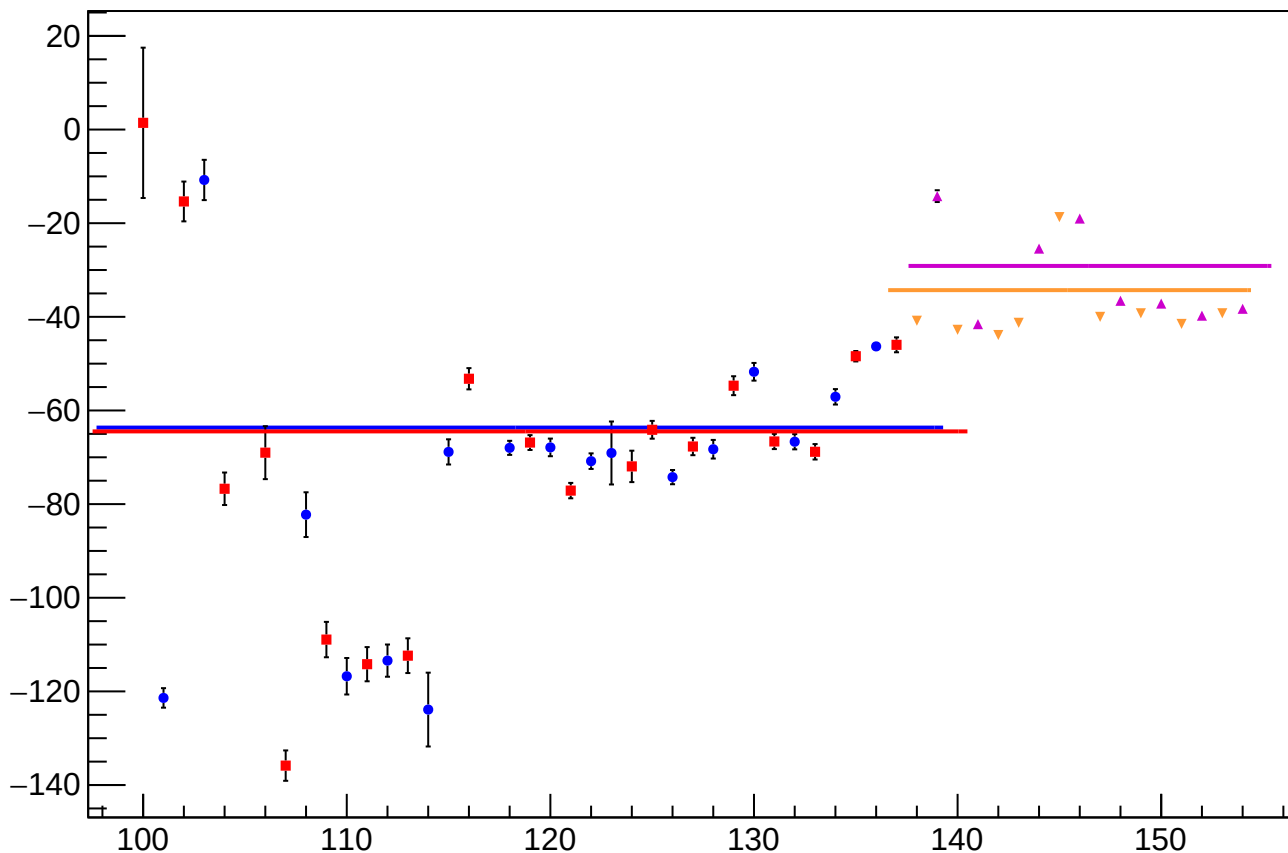
Right: -50.288 ± 0.541 χ^2/NDF : 844.9/35

In: -44.487 ± 0.198 χ^2/NDF : 3817.7/24

Out: -47.607 ± 0.212 χ^2/NDF : 2489.3/27

All: -45.945 ± 0.145 χ^2/NDF : 6422.8/52

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -63.656 $\pm$ 0.445 χ^2 /NDF: 2014.7/16

Left Out: -34.299 $\pm$ 0.183 χ^2 /NDF:3166.3/8

Right Out: -64.470 $\pm$ 0.483 χ^2 /NDF: 1606.8/18

Left In: -29.127 $\pm$ 0.172 χ^2 /NDF:2684.9/7

Left: -31.557 $\pm$ 0.126 χ^2 /NDF: 6274.3/16

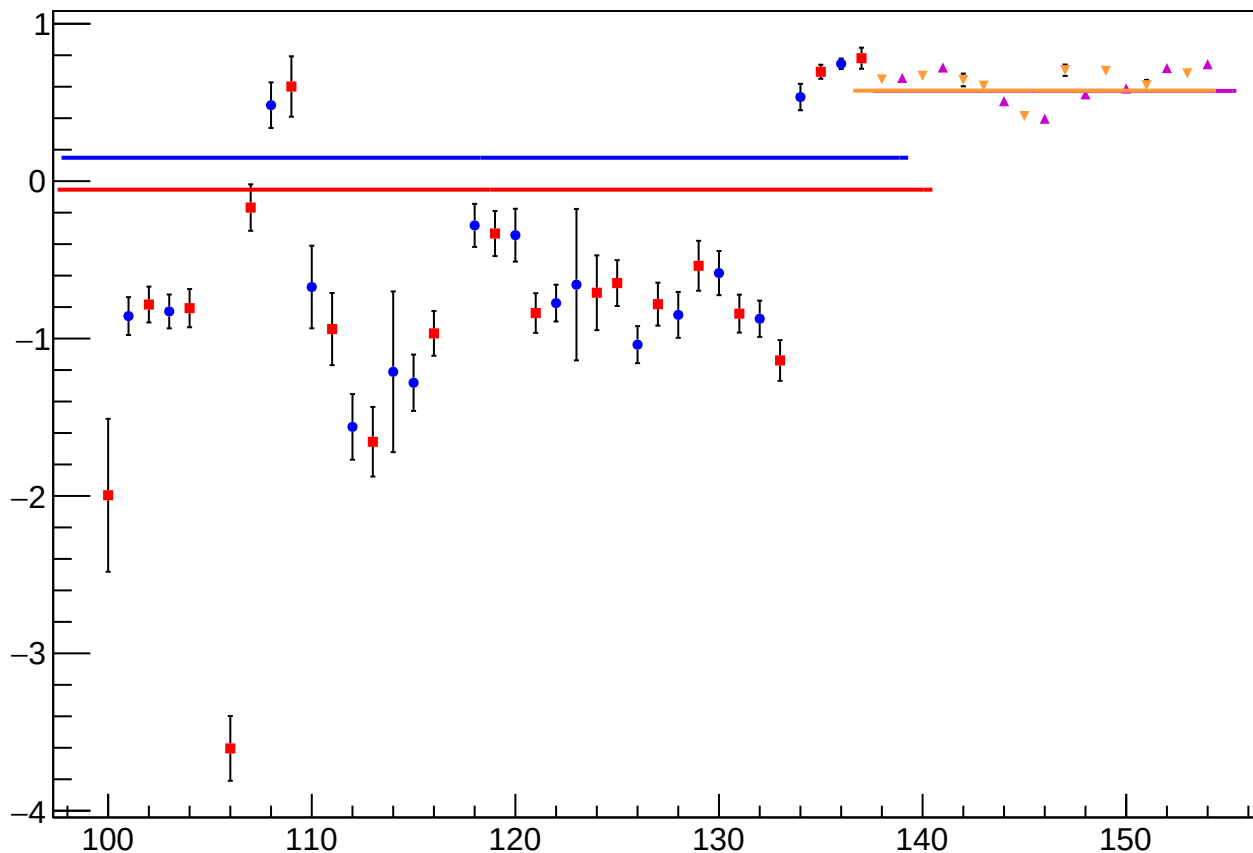
Right: -64.030 $\pm$ 0.327 χ^2 /NDF: 3623.1/35

In: -33.625 $\pm$ 0.161 χ^2 /NDF:9927.5/24

Out: -38.096 $\pm$ 0.171 χ^2 /NDF:8191.1/27

All: -35.720 $\pm$ 0.117 χ^2 /NDF: 18481.1/52

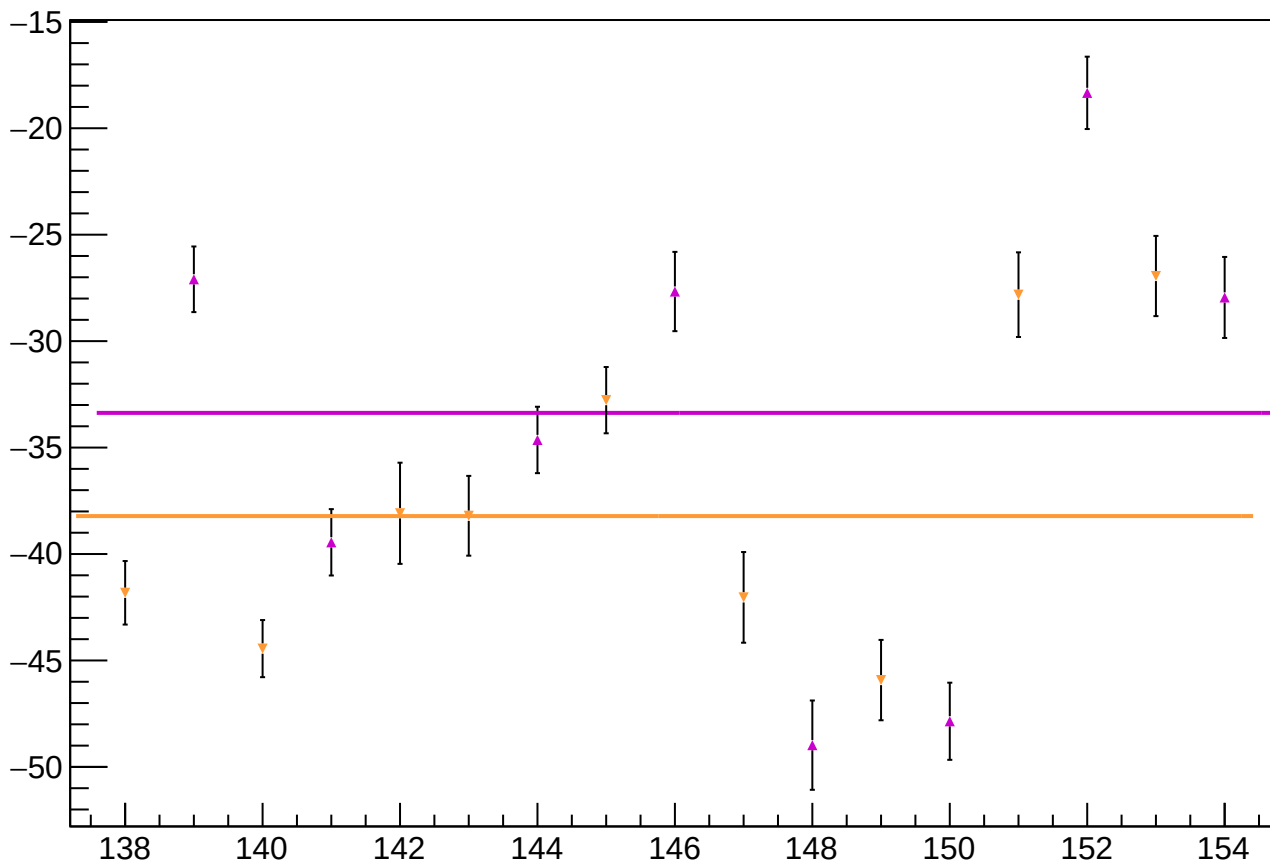
reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.149 ± 0.024 $\chi^2/\text{NDF}: 989.9/16$
 Left Out: 0.575 ± 0.009 $\chi^2/\text{NDF}: 182.2/8$
 Right Out: -0.054 ± 0.026 $\chi^2/\text{NDF}: 1167.9/18$
 Left In: 0.573 ± 0.009 $\chi^2/\text{NDF}: 216.7/7$

Left: 0.574 ± 0.006 $\chi^2/\text{NDF}: 398.9/16$
 Right: 0.056 ± 0.018 $\chi^2/\text{NDF}: 2190.5/35$
 In: 0.525 ± 0.008 $\chi^2/\text{NDF}: 1484.3/24$
 Out: 0.510 ± 0.008 $\chi^2/\text{NDF}: 1866.7/27$
 All: 0.518 ± 0.006 $\chi^2/\text{NDF}: 3352.7/52$

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: -38.218+/-0.586 χ^2/NDF :122.7/8

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

Left In: -33.370+/-0.610 χ^2/NDF :247.5/7

Left: -35.893+/-0.423 χ^2/NDF : 403.0/16

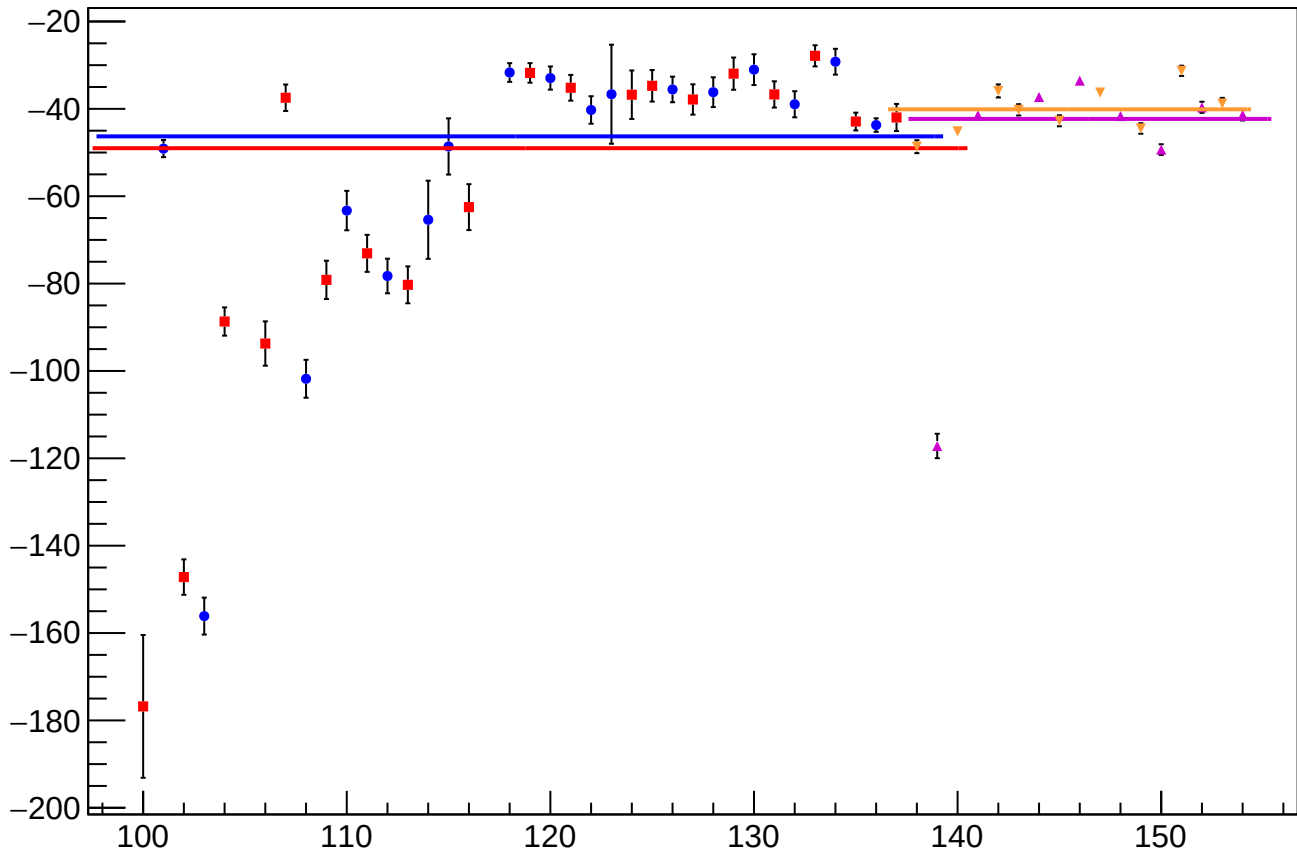
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -33.370+/-0.610 χ^2/NDF :247.5/7

Out: -38.218+/-0.586 χ^2/NDF :122.7/8

All: -35.893+/-0.423 χ^2/NDF : 403.0/16

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -46.300 $\pm$ 0.723 χ^2 /NDF: 1084.0/16

Left Out: -40.107 $\pm$ 0.411 χ^2 /NDF:151.4/8

Right Out: -49.008 $\pm$ 0.764 χ^2 /NDF: 1271.7/18

Left In: -42.307 $\pm$ 0.433 χ^2 /NDF:837.5/7

Left: -41.150 $\pm$ 0.298 χ^2 /NDF: 1002.5/16

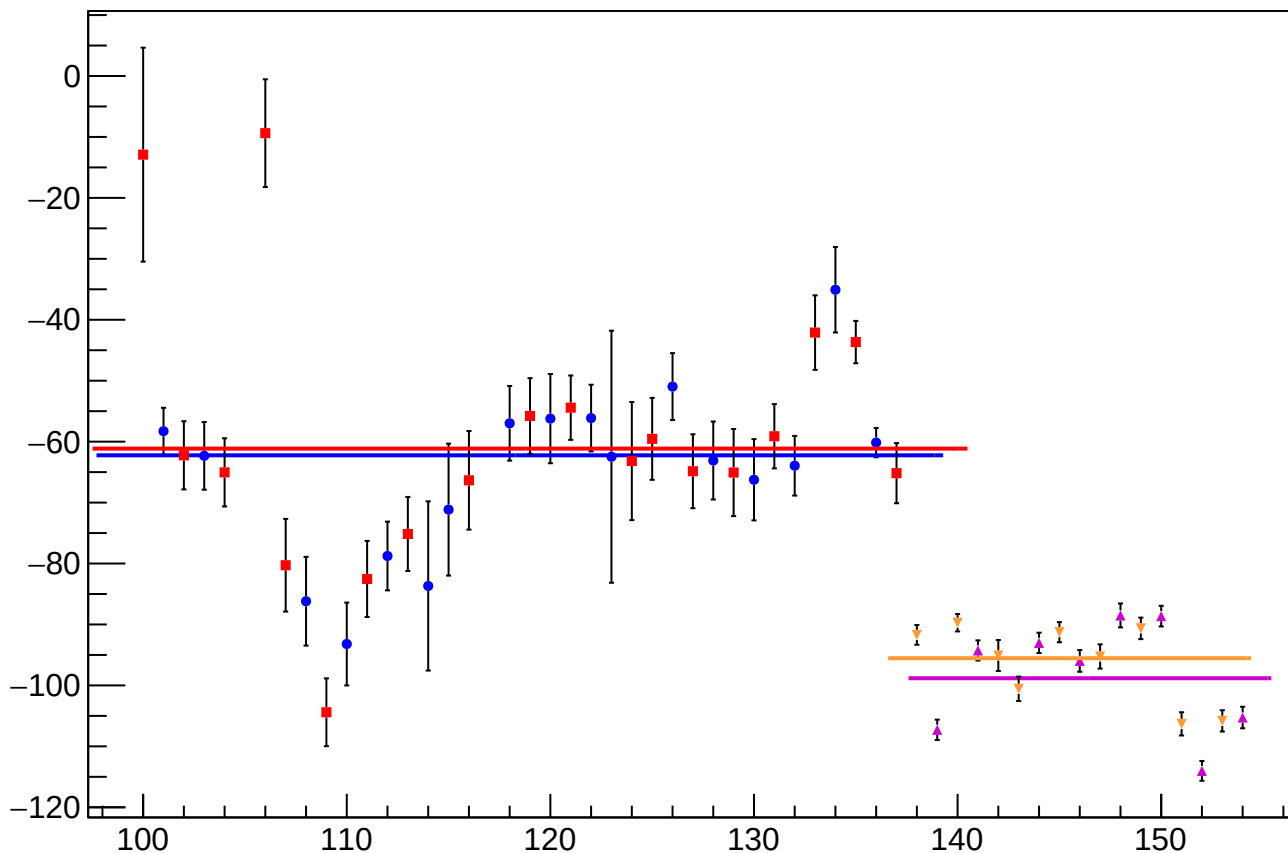
Right: -47.580 $\pm$ 0.525 χ^2 /NDF: 2362.3/35

In: -43.360 $\pm$ 0.371 χ^2 /NDF:1944.0/24

Out: -42.103 $\pm$ 0.362 χ^2 /NDF:1528.4/27

All: -42.715 $\pm$ 0.259 χ^2 /NDF: 3478.3/52

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.242 ± 1.310 χ^2/NDF : 67.4/16

Left Out: -95.538 ± 0.596 χ^2/NDF : 109.6/8

Right Out: -61.142 ± 1.379 χ^2/NDF : 165.6/18

Left In: -98.823 ± 0.608 χ^2/NDF : 212.3/7

Left: -97.145 ± 0.426 χ^2/NDF : 336.8/16

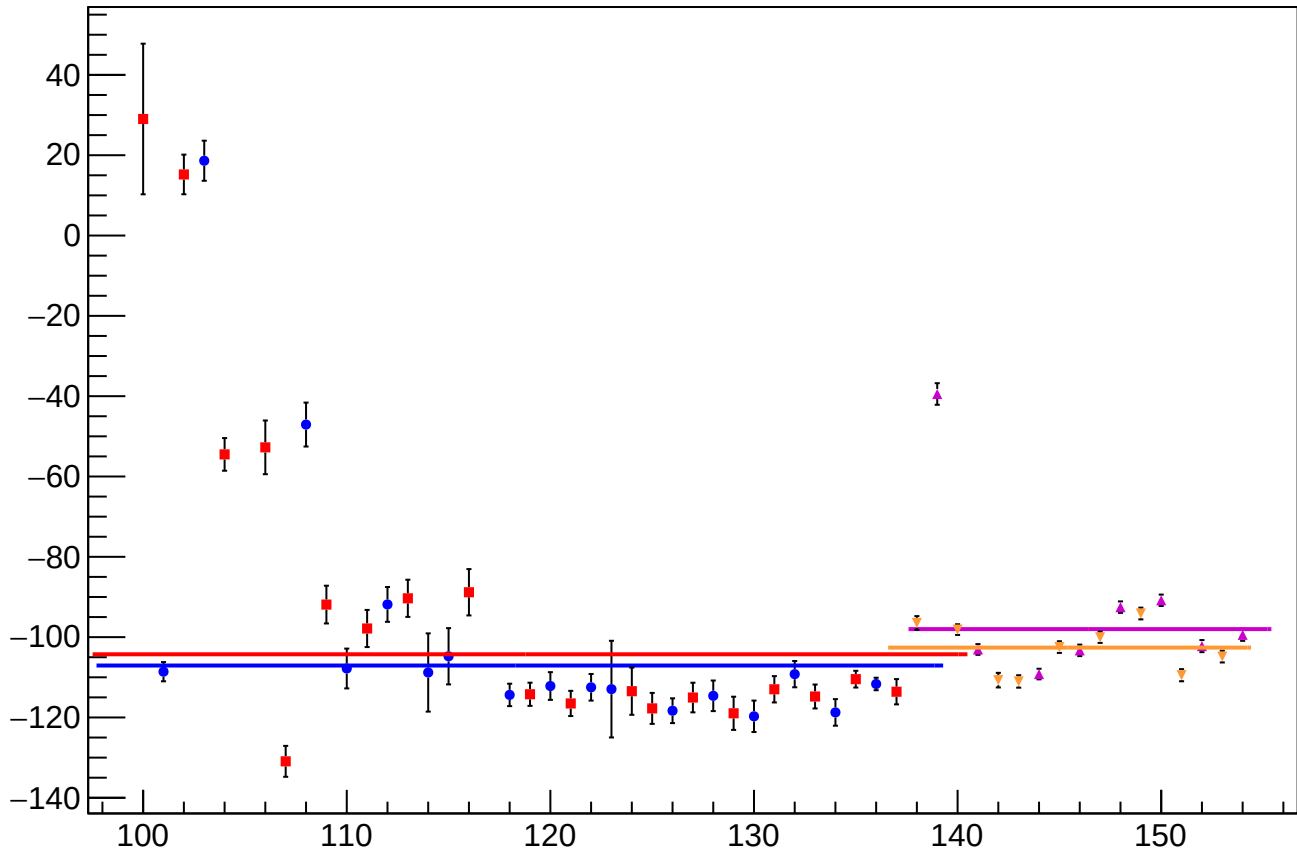
Right: -61.720 ± 0.950 χ^2/NDF : 233.3/35

In: -92.334 ± 0.552 χ^2/NDF : 921.0/24

Out: -90.134 ± 0.547 χ^2/NDF : 799.2/27

All: -91.224 ± 0.388 χ^2/NDF : 1728.2/52

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -107.066 ± 0.811 χ^2/NDF : 828.4/16

Left Out: -102.602 ± 0.501 χ^2/NDF : 134.0/8

Right Out: -104.269 ± 0.861 χ^2/NDF : 1018.6/18

Left In: -97.998 ± 0.525 χ^2/NDF : 622.9/7

Left: -100.408 ± 0.362 χ^2/NDF : 797.1/16

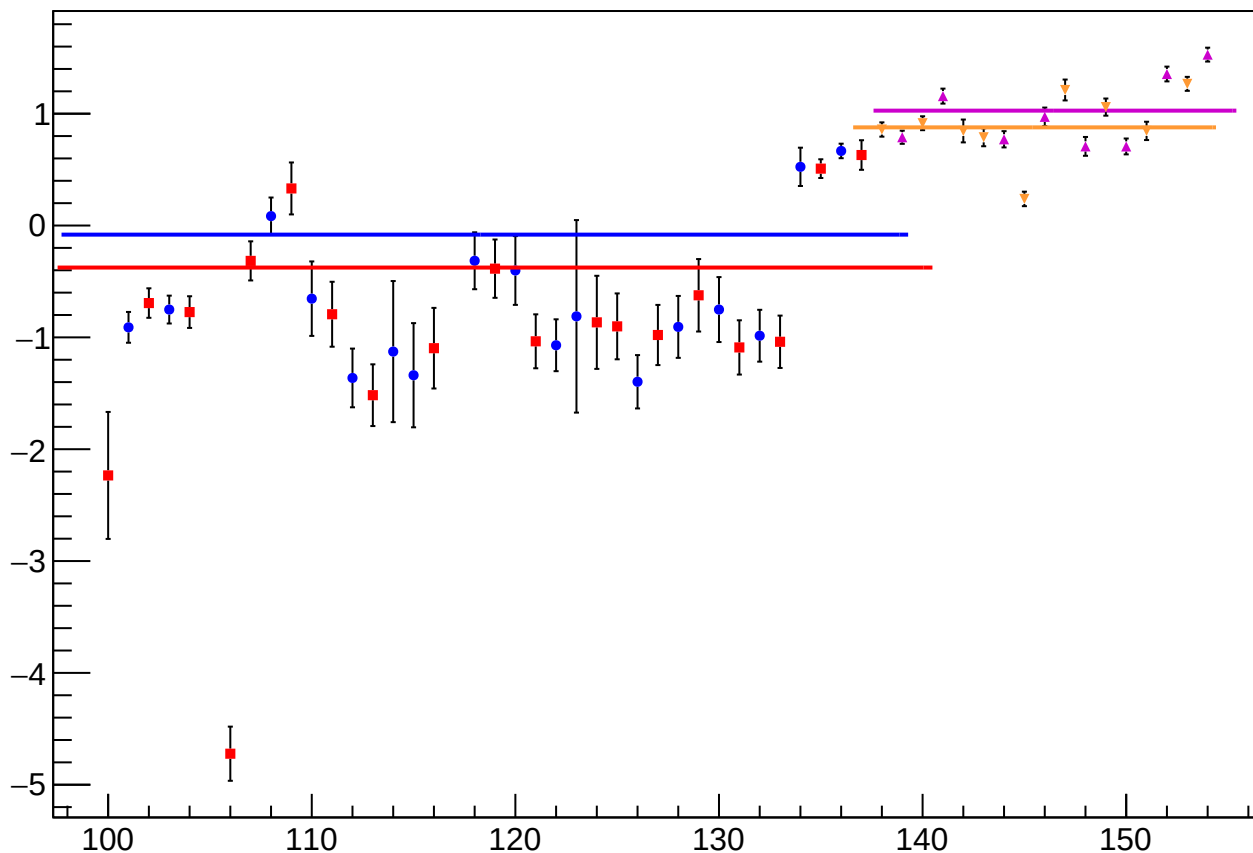
Right: -105.751 ± 0.590 χ^2/NDF : 1852.6/35

In: -100.674 ± 0.441 χ^2/NDF : 1539.3/24

Out: -103.024 ± 0.433 χ^2/NDF : 1155.4/27

All: -101.870 ± 0.309 χ^2/NDF : 2709.2/52

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.081 ± 0.042 χ^2/NDF : 329.0/16

Left Out: 0.878 ± 0.024 χ^2/NDF : 156.4/8

Right Out: -0.376 ± 0.044 χ^2/NDF : 583.0/18

Left In: 1.027 ± 0.024 χ^2/NDF : 157.3/7

Left: 0.952 ± 0.017 χ^2/NDF : 332.5/16

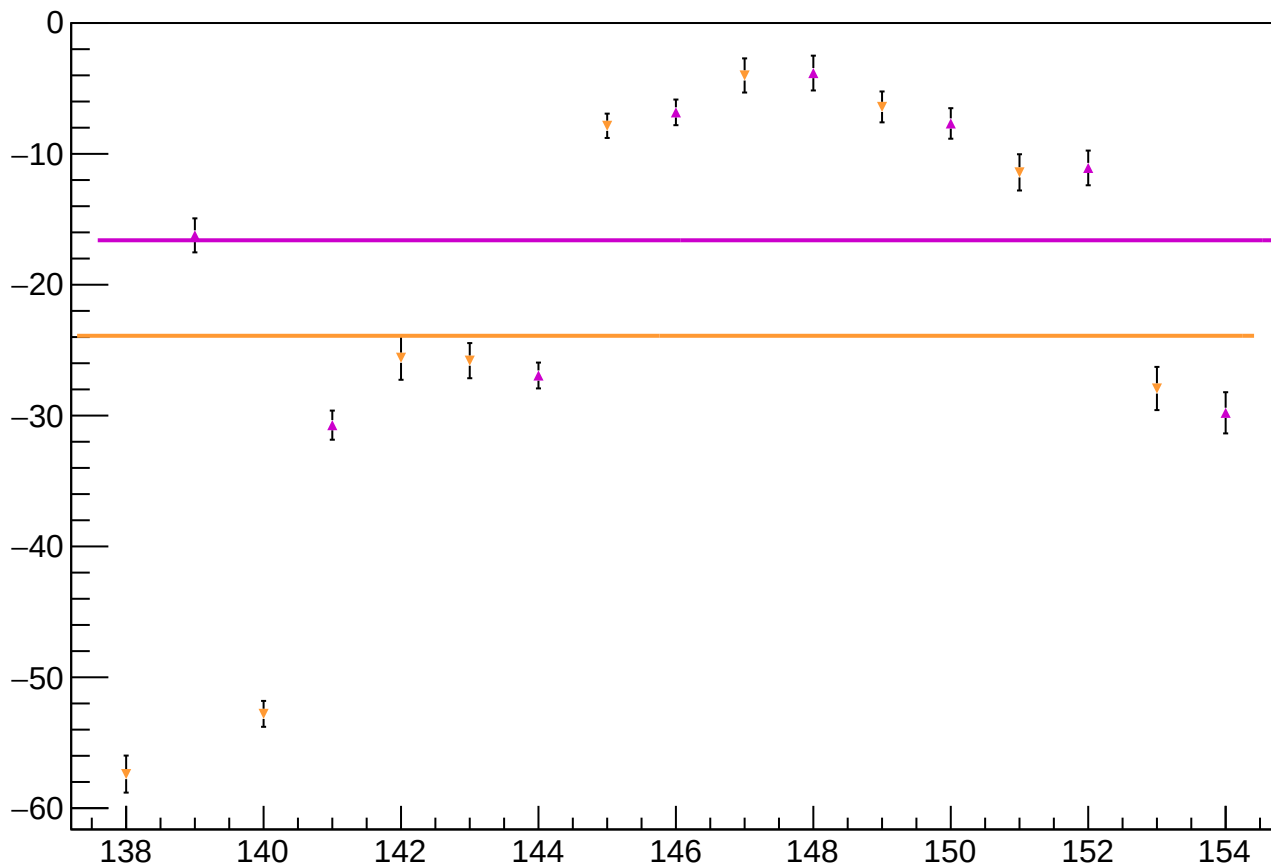
Right: -0.223 ± 0.030 χ^2/NDF : 935.4/35

In: 0.749 ± 0.021 χ^2/NDF : 1003.7/24

Out: 0.582 ± 0.021 χ^2/NDF : 1362.7/27

All: 0.666 ± 0.015 χ^2/NDF : 2397.1/52

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



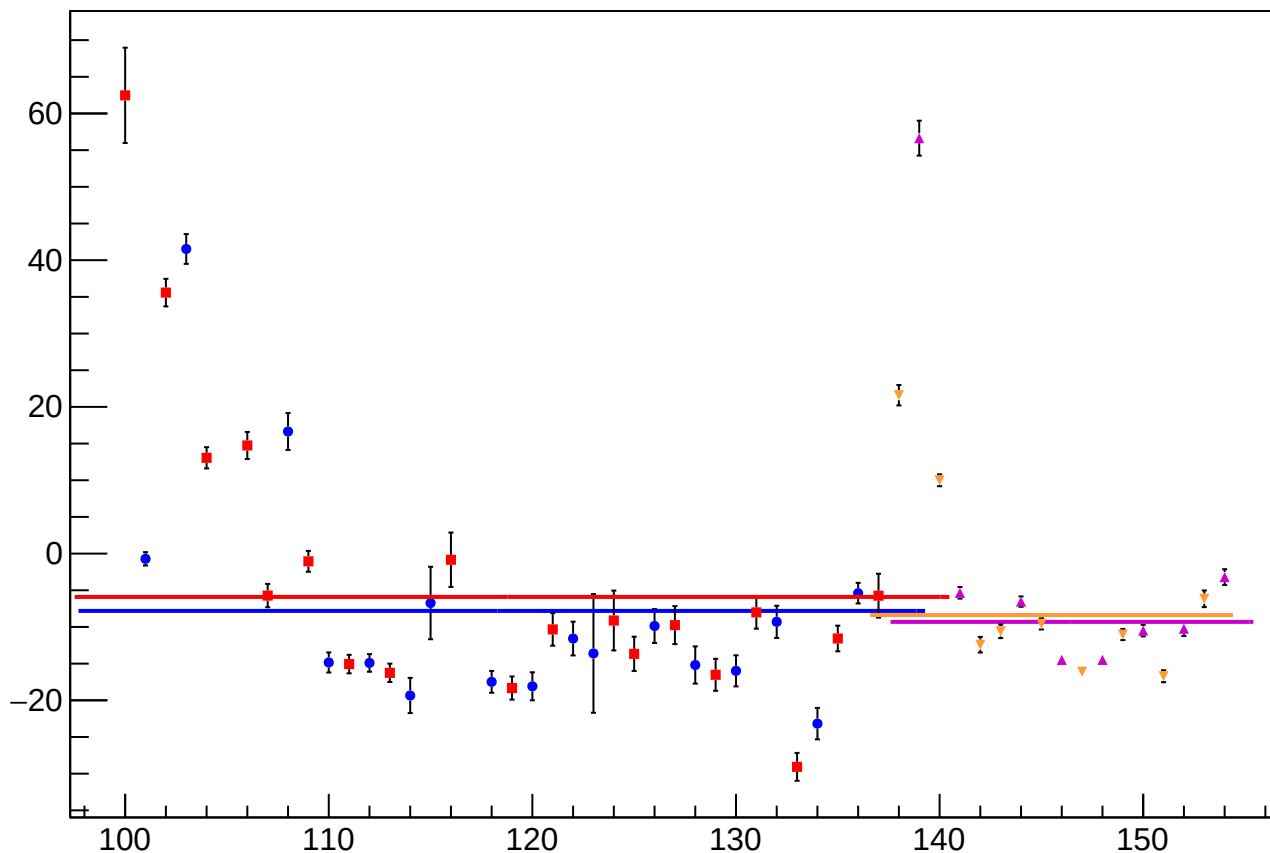
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -23.902+/-0.416 χ^2/NDF :2252.5/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -16.603+/-0.417 χ^2/NDF :608.8/7

Left: -20.265+/-0.295 χ^2/NDF : 3014.7/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -16.603+/-0.417 χ^2/NDF :608.8/7
 Out: -23.902+/-0.416 χ^2/NDF :2252.5/8

All: -20.265+/-0.295 χ^2/NDF : 3014.7/16

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.812 ± 0.427 χ^2/NDF : 982.8/16

Left Out: -8.378 ± 0.284 χ^2/NDF : 1275.8/8

Right Out: -5.908 ± 0.429 χ^2/NDF : 1293.1/18

Left In: -9.308 ± 0.285 χ^2/NDF : 977.8/7

Left: -8.840 ± 0.201 χ^2/NDF : 2258.9/16

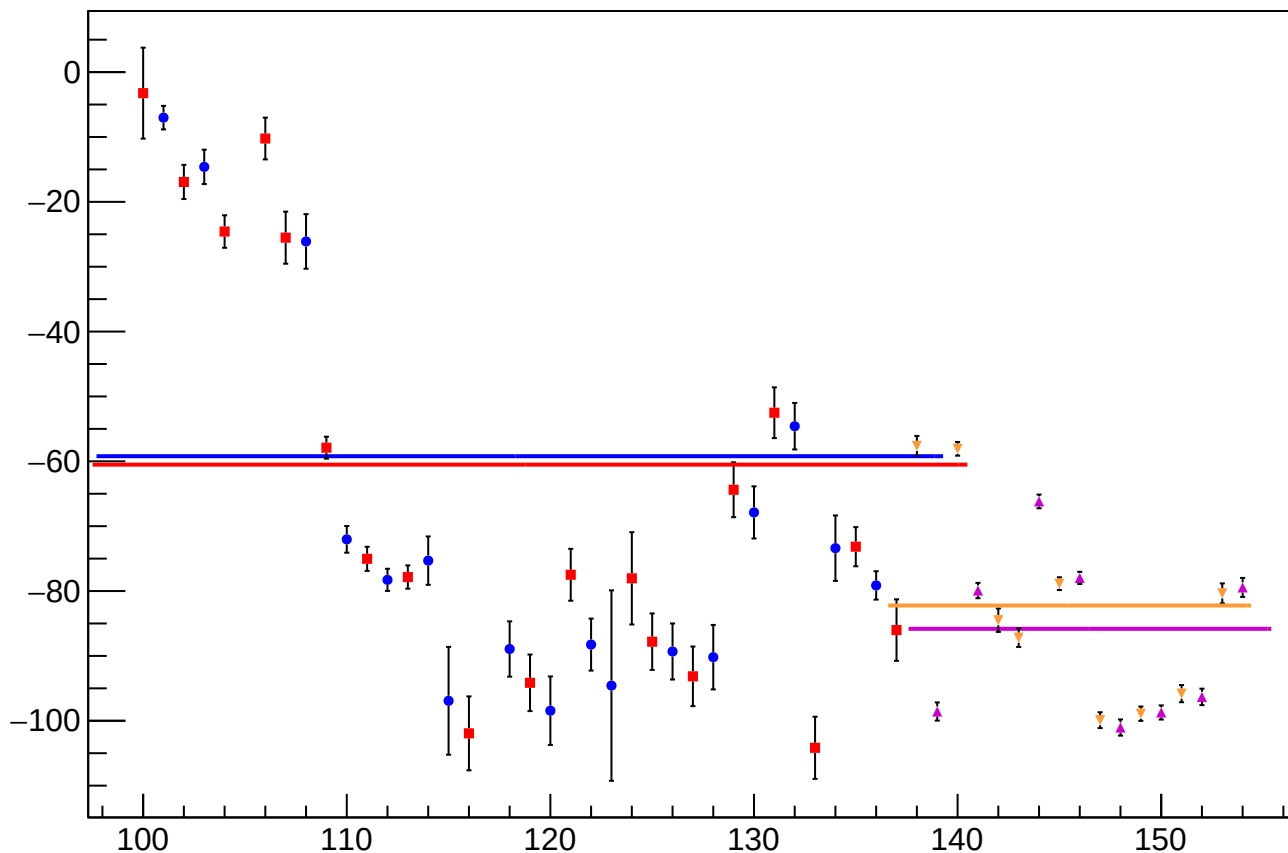
Right: -6.864 ± 0.303 χ^2/NDF : 2285.7/35

In: -8.847 ± 0.237 χ^2/NDF : 1969.1/24

Out: -7.626 ± 0.237 χ^2/NDF : 2591.9/27

All: -8.235 ± 0.168 χ^2/NDF : 4574.2/52

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.214 ± 0.744 χ^2/NDF : 1720.4/16

Left Out: -82.229 ± 0.421 χ^2/NDF : 1353.0/8

Right Out: -60.513 ± 0.704 χ^2/NDF : 1383.9/18

Left In: -85.824 ± 0.415 χ^2/NDF : 897.7/7

Left: -84.053 ± 0.295 χ^2/NDF : 2287.8/16

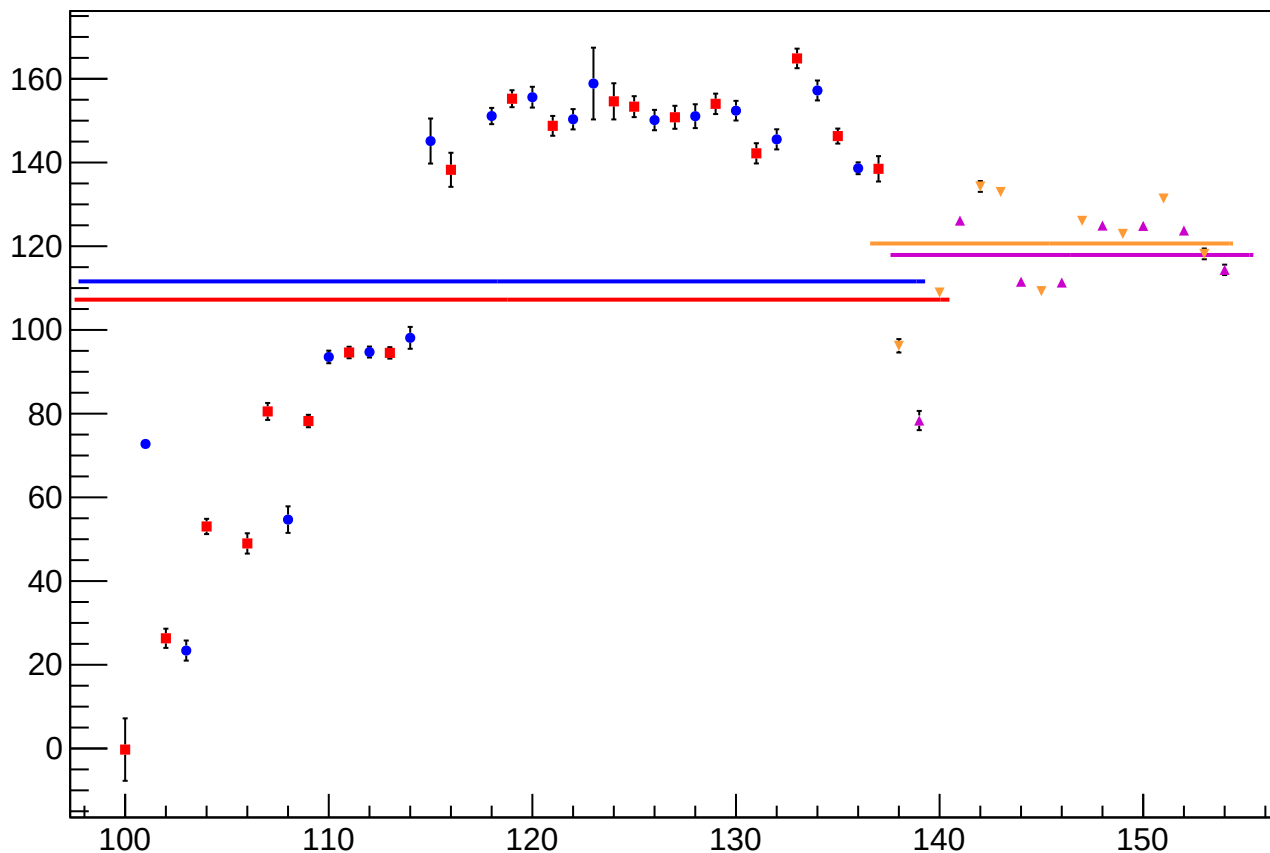
Right: -59.899 ± 0.511 χ^2/NDF : 3105.9/35

In: -79.514 ± 0.362 χ^2/NDF : 3594.7/24

Out: -76.513 ± 0.361 χ^2/NDF : 3437.6/27

All: -78.010 ± 0.256 χ^2/NDF : 7066.7/52

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.599+/-0.487 χ^2/NDF : 5959.5/16

Left Out: 120.649+/-0.349 χ^2/NDF :934.8/8

Right Out: 107.238+/-0.488 χ^2/NDF : 7037.4/18

Left In: 117.914+/-0.349 χ^2/NDF :654.1/7

Left: 119.283+/-0.247 χ^2/NDF : 1619.6/16

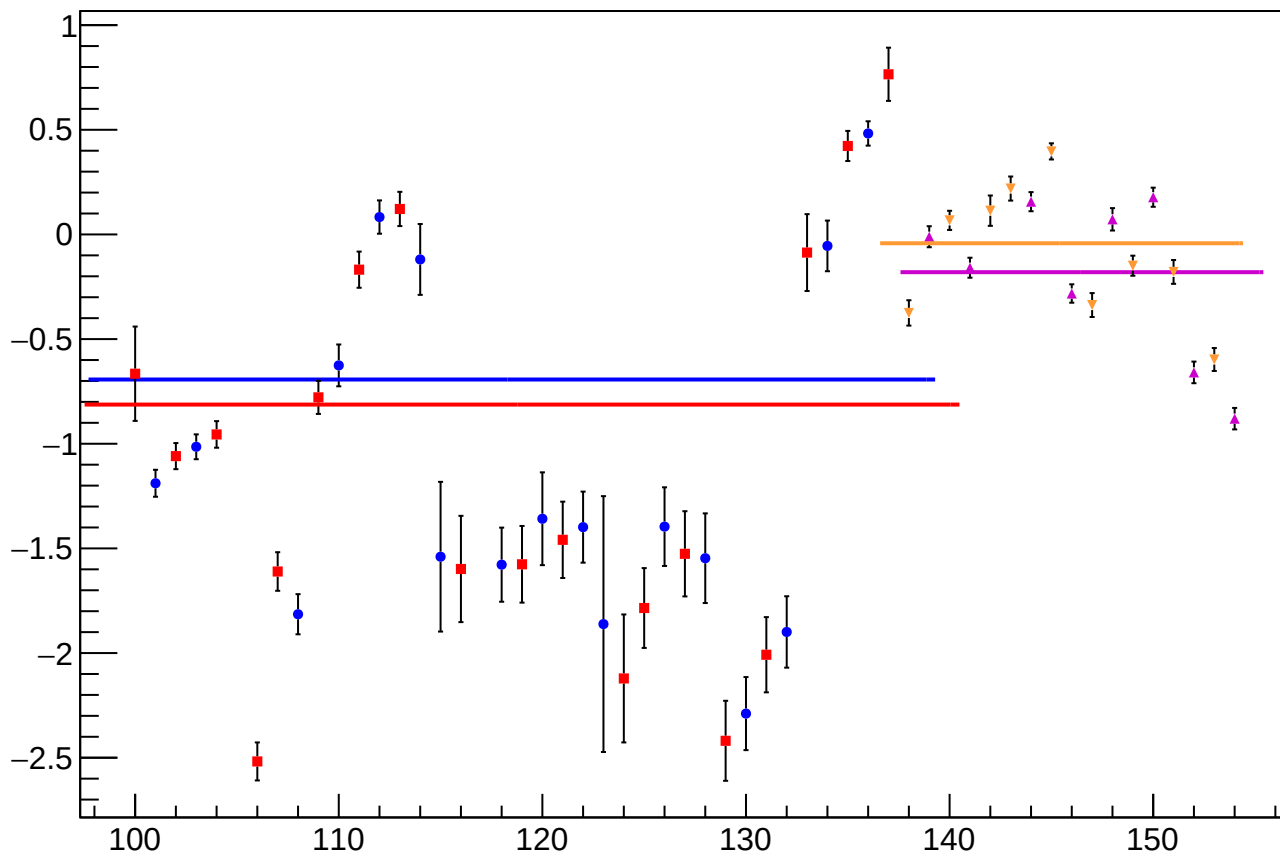
Right: 109.423+/-0.344 χ^2/NDF : 13037.0/35

In: 115.768+/-0.284 χ^2/NDF :6724.8/24

Out: 116.114+/-0.284 χ^2/NDF :8472.7/27

All: 115.941+/-0.201 χ^2/NDF : 15198.2/52

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.693 ± 0.026 χ^2/NDF : 993.1/16

Left Out: -0.042 ± 0.017 χ^2/NDF : 330.8/8

Right Out: -0.813 ± 0.024 χ^2/NDF : 1310.7/18

Left In: -0.180 ± 0.017 χ^2/NDF : 427.2/7

Left: -0.112 ± 0.012 χ^2/NDF : 789.9/16

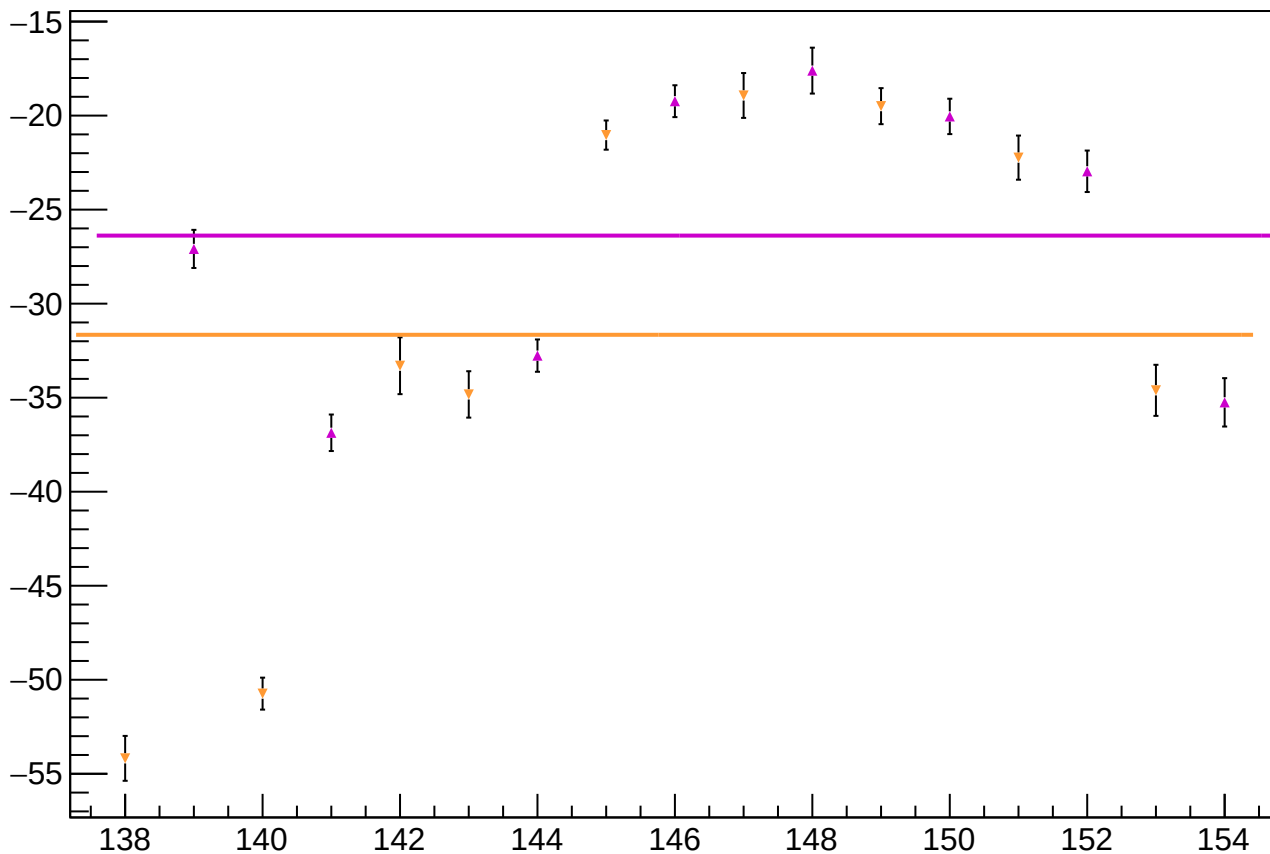
Right: -0.756 ± 0.018 χ^2/NDF : 2315.2/35

In: -0.337 ± 0.014 χ^2/NDF : 1695.0/24

Out: -0.303 ± 0.014 χ^2/NDF : 2304.6/27

All: -0.320 ± 0.010 χ^2/NDF : 4002.4/52

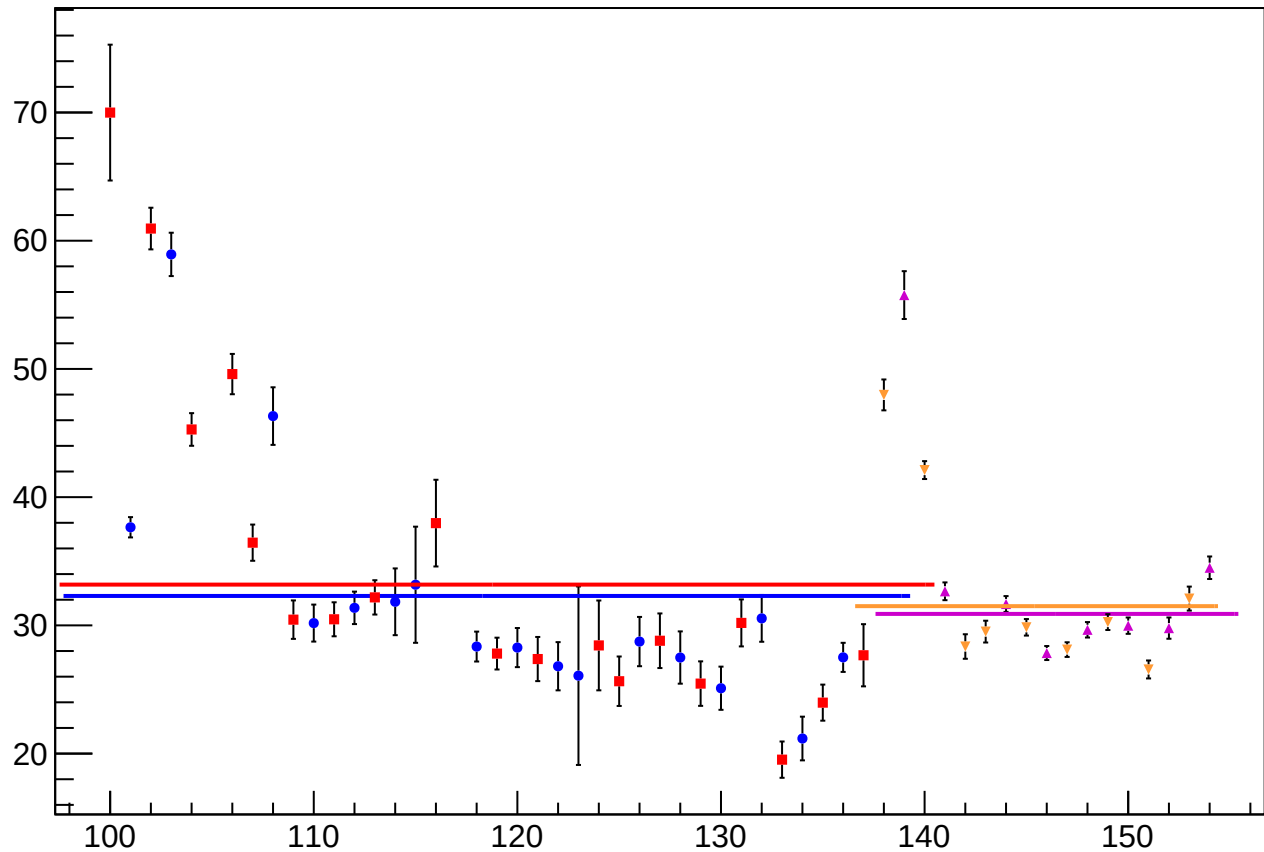
reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -31.656+/-0.356 χ^2/NDF :1398.9/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -26.381+/-0.353 χ^2/NDF :397.7/7

Left: -29.000+/-0.251 χ^2/NDF : 1907.3/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -26.381+/-0.353 χ^2/NDF :397.7/7
 Out: -31.656+/-0.356 χ^2/NDF :1398.9/8
 All: -29.000+/-0.251 χ^2/NDF : 1907.3/16

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 32.295+/-0.373 χ^2/NDF : 452.2/16

Left Out: 31.499+/-0.246 χ^2/NDF : 530.8/8

Right Out: 33.180+/-0.379 χ^2/NDF : 770.3/18

Left In: 30.894+/-0.247 χ^2/NDF : 241.9/7

Left: 31.198+/-0.175 χ^2/NDF : 775.7/16

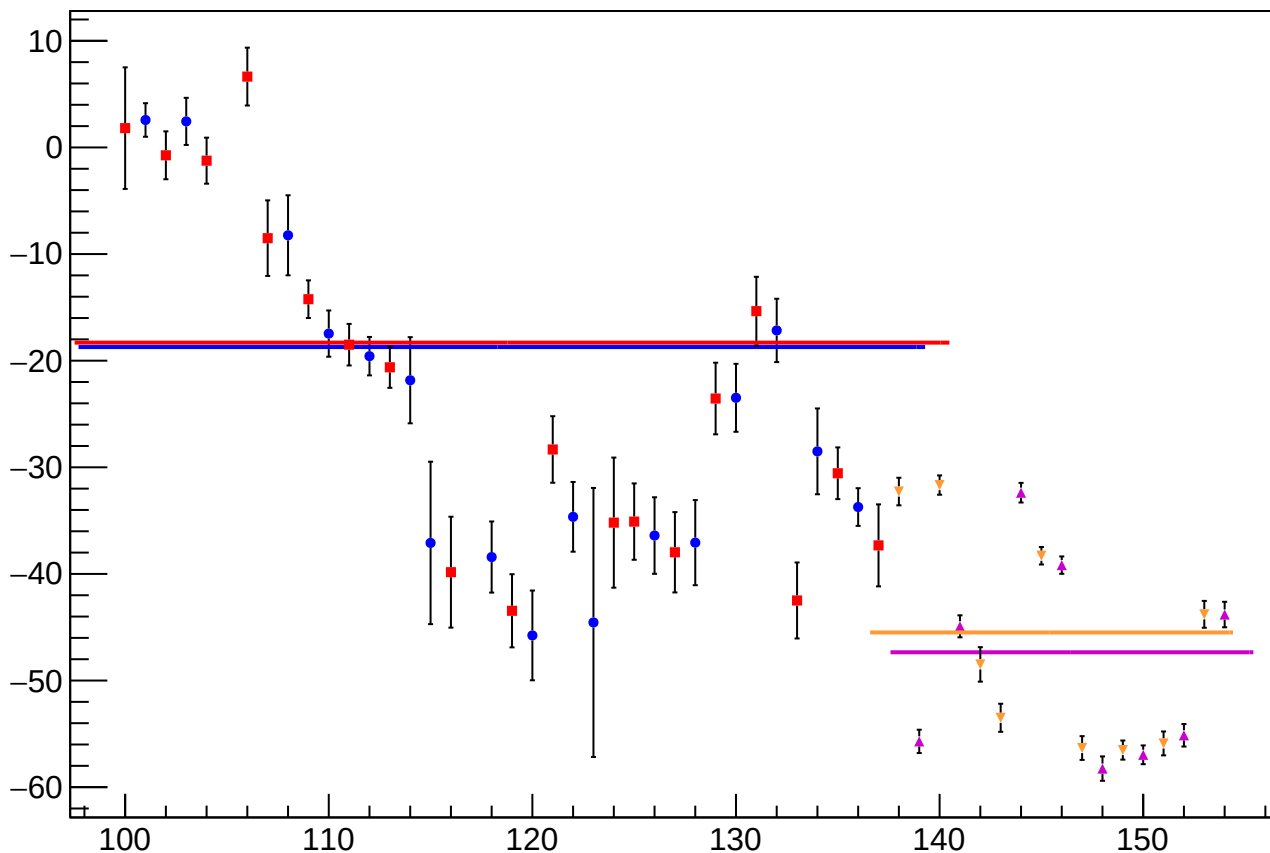
Right: 32.730+/-0.266 χ^2/NDF : 1225.3/35

In: 31.323+/-0.206 χ^2/NDF : 703.9/24

Out: 31.998+/-0.207 χ^2/NDF : 1314.9/27

All: 31.660+/-0.146 χ^2/NDF : 2024.1/52

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -18.721 ± 0.665 $\chi^2/\text{NDF}: 519.6/16$

Left Out: -45.490 ± 0.359 $\chi^2/\text{NDF}: 789.1/8$

Right Out: -18.306 ± 0.644 $\chi^2/\text{NDF}: 472.6/18$

Left In: -47.349 ± 0.351 $\chi^2/\text{NDF}: 702.5/7$

Left: -46.441 ± 0.251 $\chi^2/\text{NDF}: 1505.3/16$

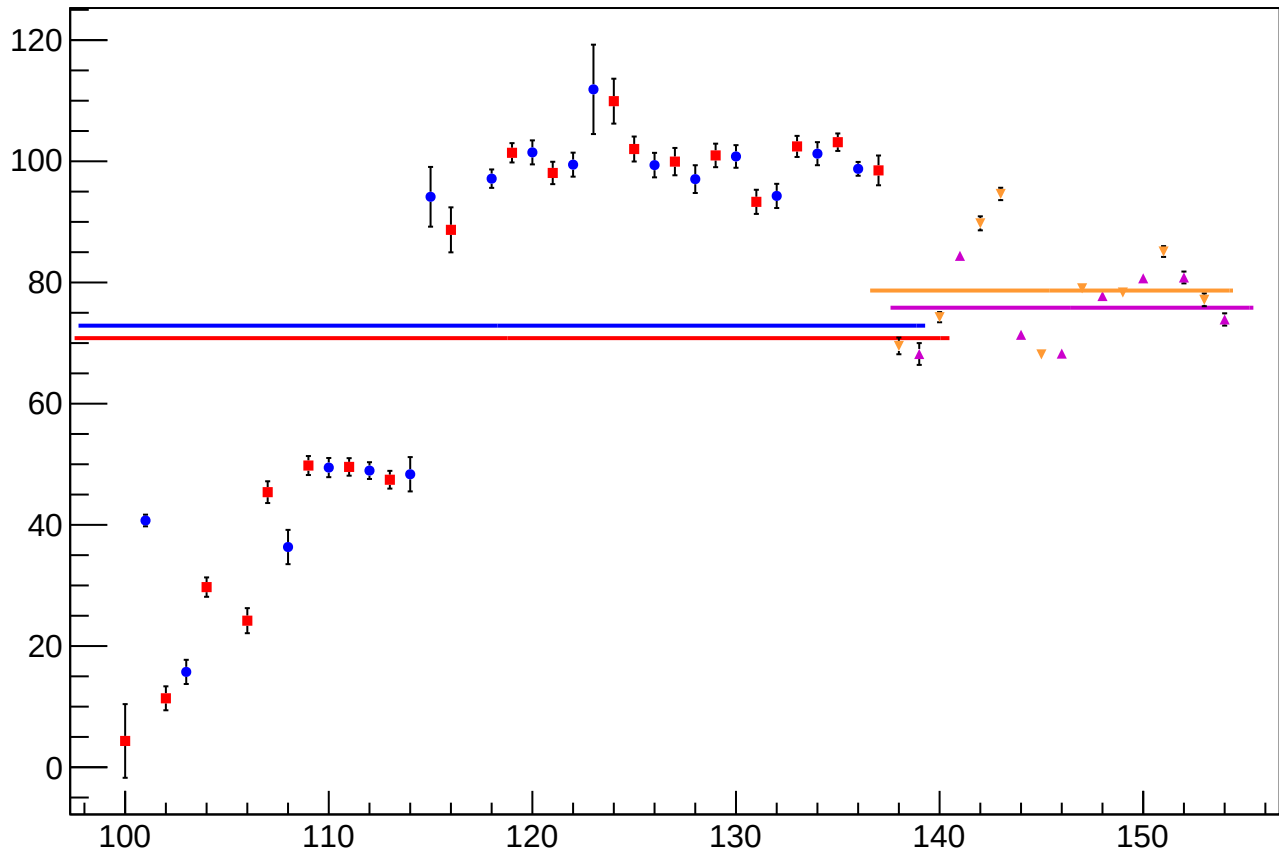
Right: -18.506 ± 0.463 $\chi^2/\text{NDF}: 992.4/35$

In: -41.115 ± 0.310 $\chi^2/\text{NDF}: 2670.2/24$

Out: -39.027 ± 0.314 $\chi^2/\text{NDF}: 2621.9/27$

All: -40.082 ± 0.221 $\chi^2/\text{NDF}: 5314.5/52$

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.875 $\pm$ 0.426 χ^2 /NDF: 4737.9/16

Left Out: 78.671 $\pm$ 0.301 χ^2 /NDF: 664.8/8

Right Out: 70.815 $\pm$ 0.433 χ^2 /NDF: 5489.3/18

Left In: 75.837 $\pm$ 0.300 χ^2 /NDF: 365.3/7

Left: 77.250 $\pm$ 0.212 χ^2 /NDF: 1074.7/16

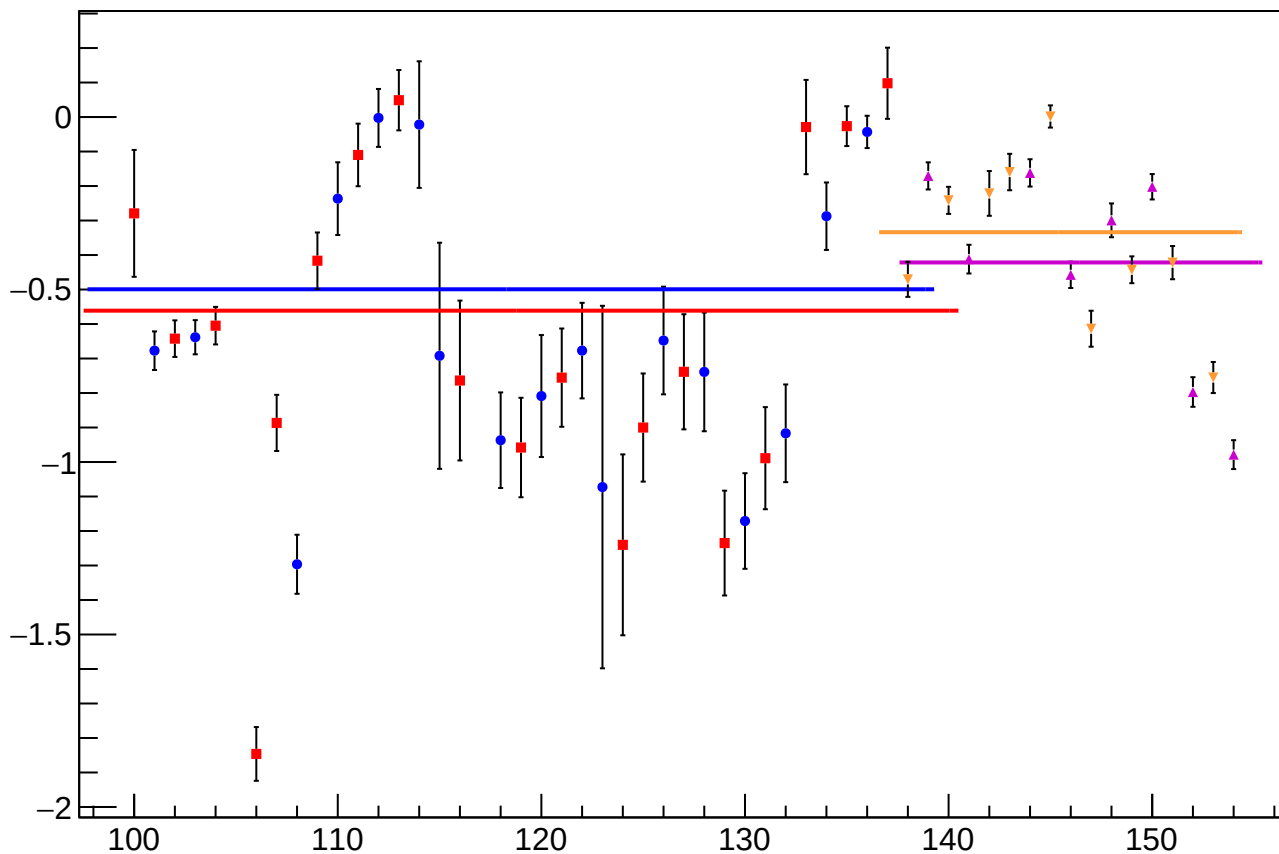
Right: 71.863 $\pm$ 0.304 χ^2 /NDF: 10238.7/35

In: 74.854 $\pm$ 0.245 χ^2 /NDF: 5135.6/24

Out: 76.116 $\pm$ 0.247 χ^2 /NDF: 6376.0/27

All: 75.481 $\pm$ 0.174 χ^2 /NDF: 11524.7/52

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.499 ± 0.022 χ^2/NDF : 303.5/16

Left Out: -0.334 ± 0.015 χ^2/NDF : 262.9/8

Right Out: -0.561 ± 0.021 χ^2/NDF : 562.3/18

Left In: -0.422 ± 0.014 χ^2/NDF : 379.7/7

Left: -0.379 ± 0.010 χ^2/NDF : 660.6/16

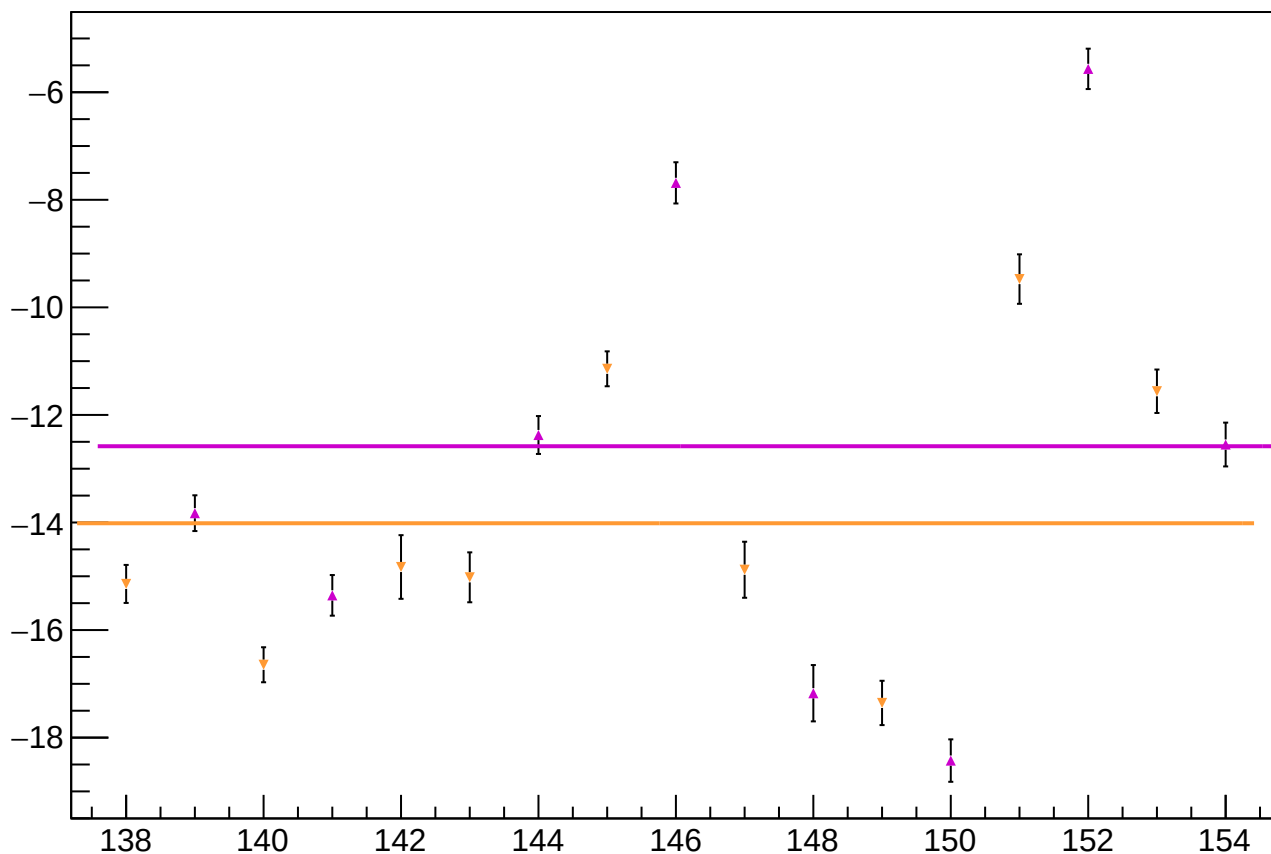
Right: -0.532 ± 0.015 χ^2/NDF : 869.9/35

In: -0.444 ± 0.012 χ^2/NDF : 691.8/24

Out: -0.408 ± 0.012 χ^2/NDF : 901.5/27

All: -0.426 ± 0.009 χ^2/NDF : 1597.9/52

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -14.014+/-0.135 χ^2/NDF :363.2/8

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

Left In: -12.582+/-0.136 χ^2/NDF :877.1/7

Left: -13.303+/-0.096 χ^2/NDF : 1296.2/16

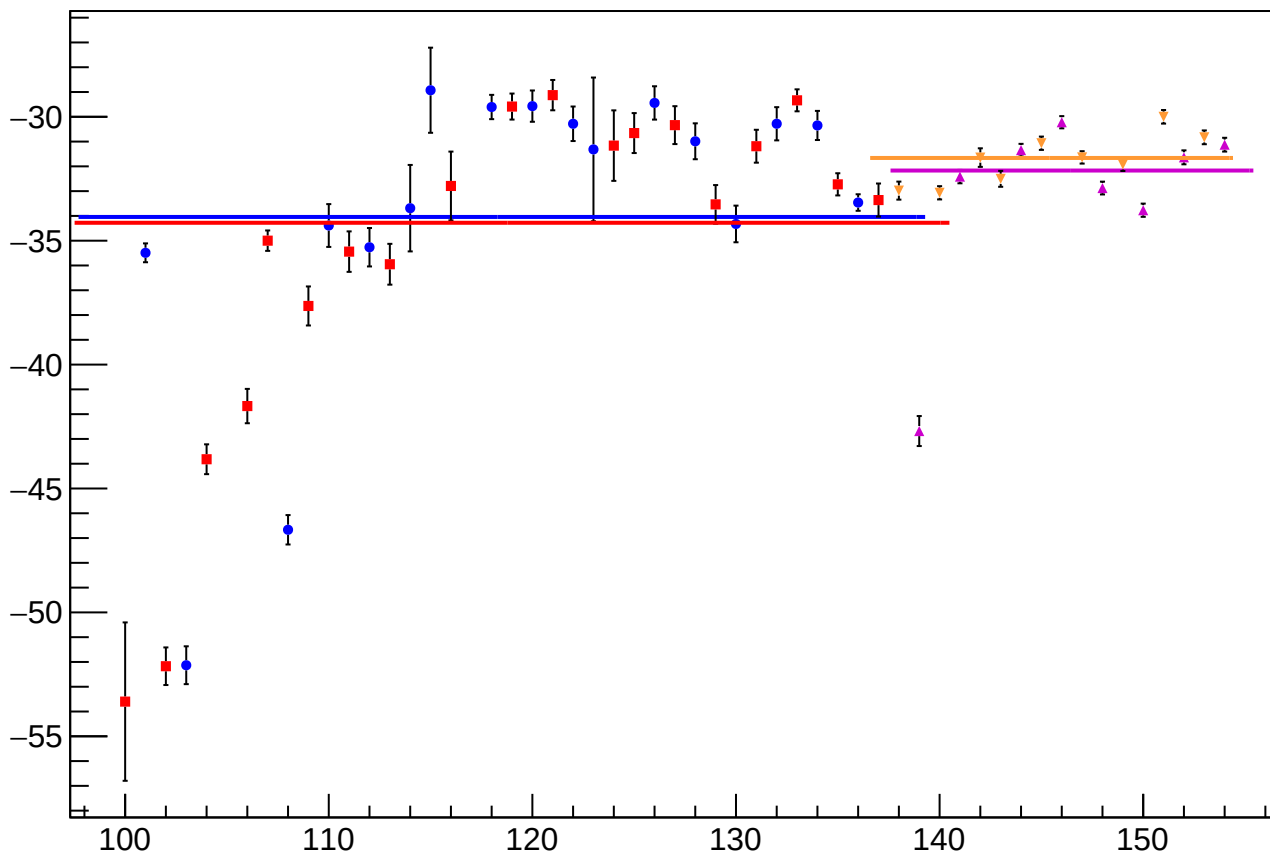
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -12.582+/-0.136 χ^2/NDF :877.1/7

Out: -14.014+/-0.135 χ^2/NDF :363.2/8

All: -13.303+/-0.096 χ^2/NDF : 1296.2/16

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.042 ± 0.151 χ^2/NDF : 1340.8/16

Left Out: -31.661 ± 0.096 χ^2/NDF : 99.1/8

Right Out: -34.277 ± 0.151 χ^2/NDF : 1349.5/18

Left In: -32.169 ± 0.099 χ^2/NDF : 436.6/7

Left: -31.908 ± 0.069 χ^2/NDF : 549.2/16

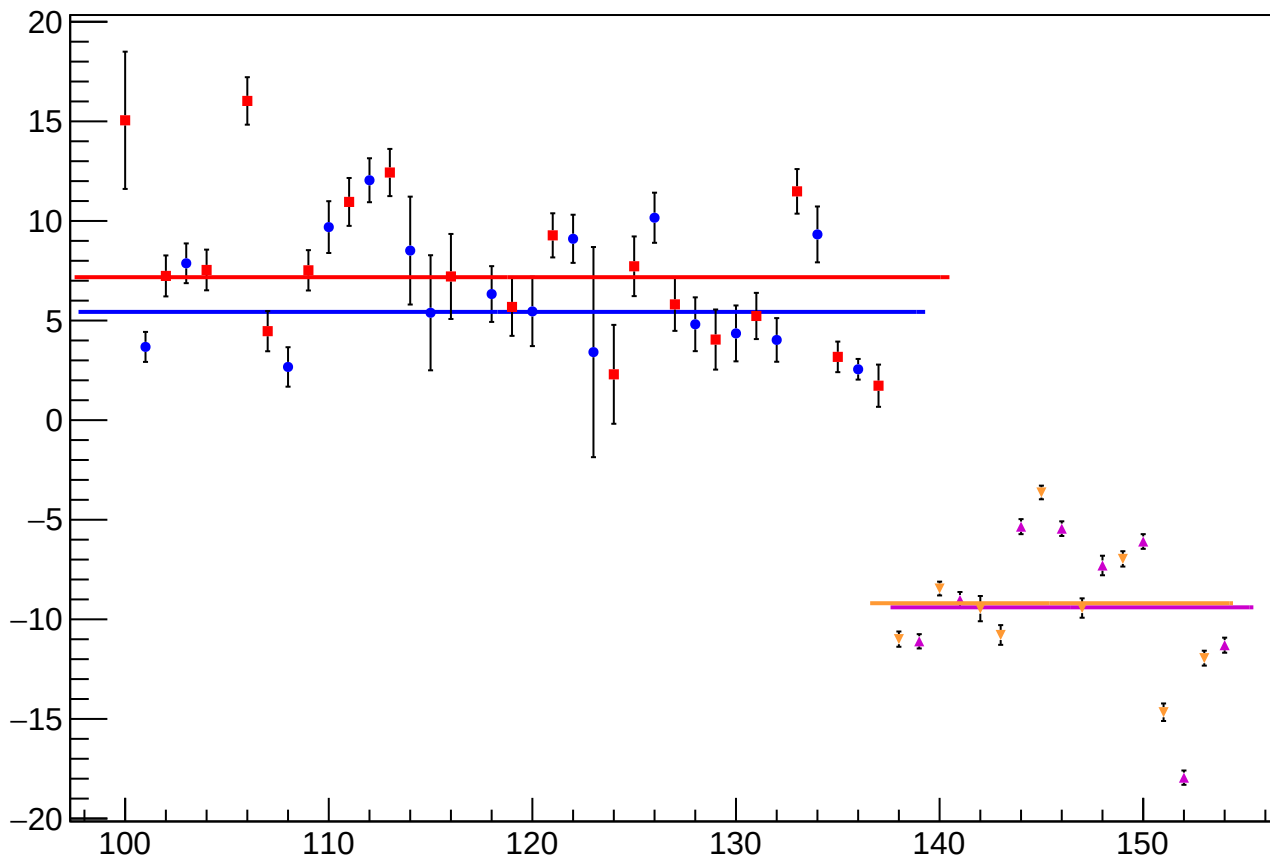
Right: -34.159 ± 0.107 χ^2/NDF : 2691.4/35

In: -32.730 ± 0.082 χ^2/NDF : 1885.6/24

Out: -32.415 ± 0.081 χ^2/NDF : 1662.6/27

All: -32.569 ± 0.058 χ^2/NDF : 3555.6/52

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.435 ± 0.270 $\chi^2/\text{NDF}: 132.0/16$

Left Out: -9.191 ± 0.137 $\chi^2/\text{NDF}: 542.3/8$

Right Out: 7.177 ± 0.274 $\chi^2/\text{NDF}: 182.6/18$

Left In: -9.397 ± 0.135 $\chi^2/\text{NDF}: 944.6/7$

Left: -9.295 ± 0.096 $\chi^2/\text{NDF}: 1488.1/16$

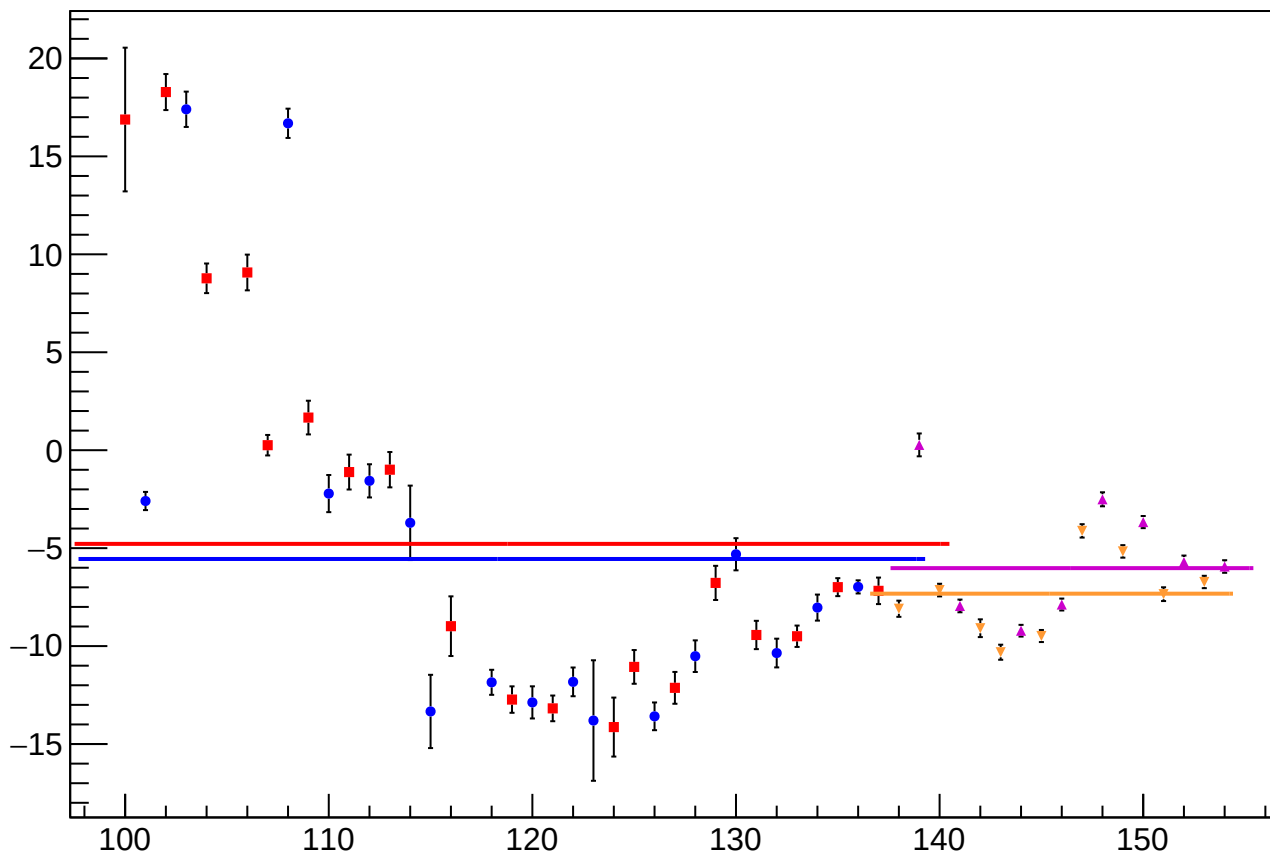
Right: 6.291 ± 0.192 $\chi^2/\text{NDF}: 335.1/35$

In: -6.410 ± 0.121 $\chi^2/\text{NDF}: 3494.3/24$

Out: -5.928 ± 0.122 $\chi^2/\text{NDF}: 3578.7/27$

All: -6.172 ± 0.086 $\chi^2/\text{NDF}: 7080.8/52$

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.553 ± 0.170 $\chi^2/\text{NDF}: 2125.3/16$

Left Out: -7.324 ± 0.116 $\chi^2/\text{NDF}: 265.4/8$

Right Out: -4.782 ± 0.173 $\chi^2/\text{NDF}: 2040.4/18$

Left In: -6.020 ± 0.118 $\chi^2/\text{NDF}: 458.0/7$

Left: -6.684 ± 0.083 $\chi^2/\text{NDF}: 785.1/16$

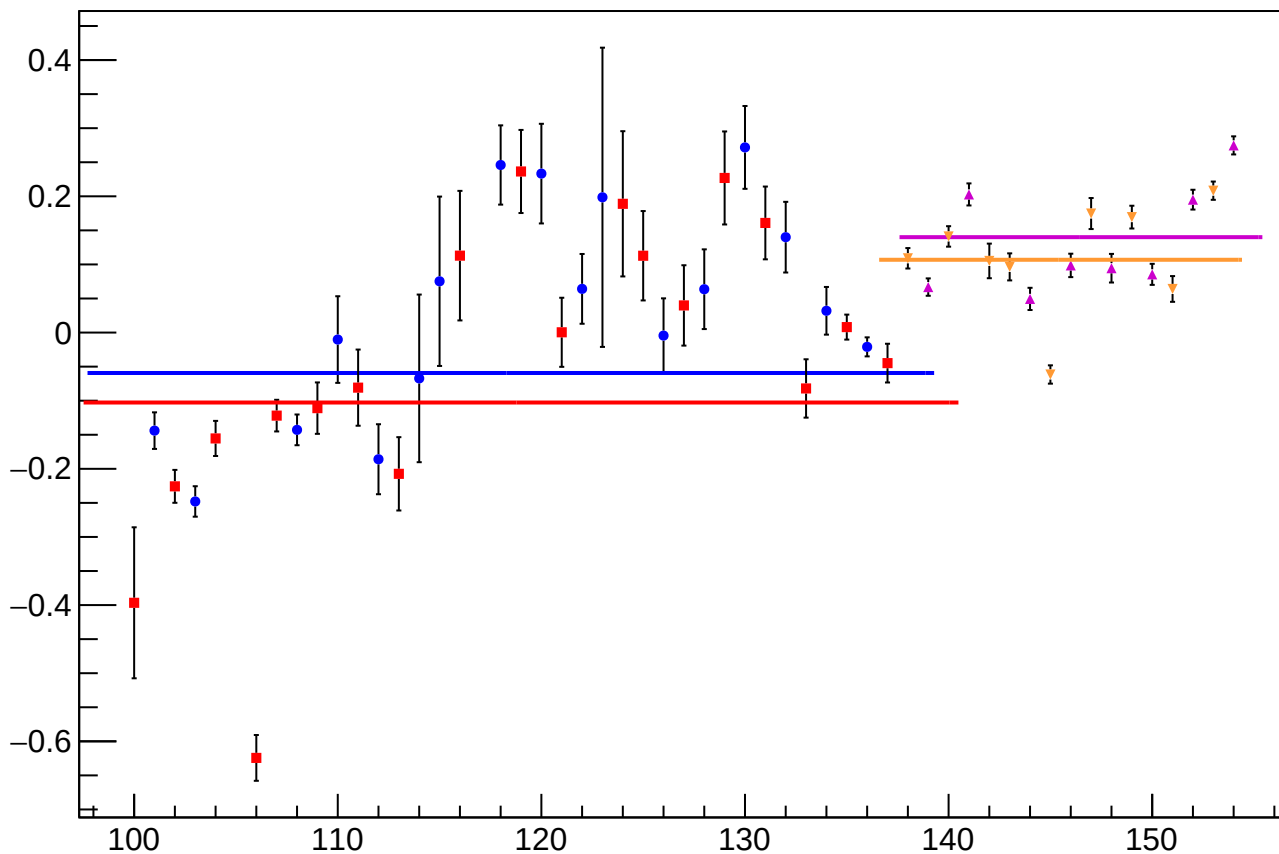
Right: -5.174 ± 0.121 $\chi^2/\text{NDF}: 4175.8/35$

In: -5.868 ± 0.097 $\chi^2/\text{NDF}: 2588.4/24$

Out: -6.532 ± 0.096 $\chi^2/\text{NDF}: 2454.8/27$

All: -6.202 ± 0.068 $\chi^2/\text{NDF}: 5066.7/52$

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.059 ± 0.008 χ^2/NDF : 217.6/16

Left Out: 0.107 ± 0.006 χ^2/NDF : 247.6/8

Right Out: -0.103 ± 0.008 χ^2/NDF : 435.5/18

Left In: 0.140 ± 0.005 χ^2/NDF : 219.3/7

Left: 0.124 ± 0.004 χ^2/NDF : 485.2/16

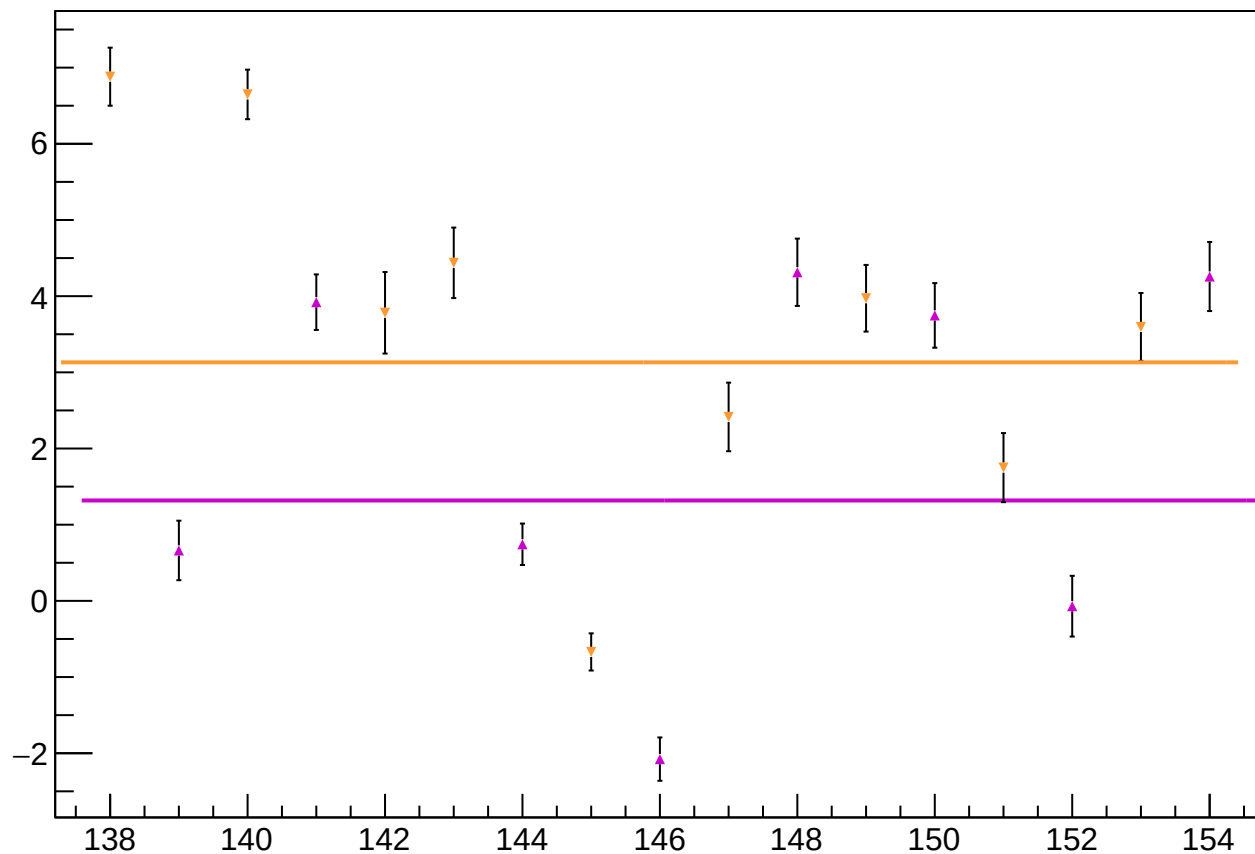
Right: -0.081 ± 0.006 χ^2/NDF : 666.4/35

In: 0.081 ± 0.005 χ^2/NDF : 835.1/24

Out: 0.043 ± 0.005 χ^2/NDF : 1114.4/27

All: 0.063 ± 0.003 χ^2/NDF : 1983.7/52

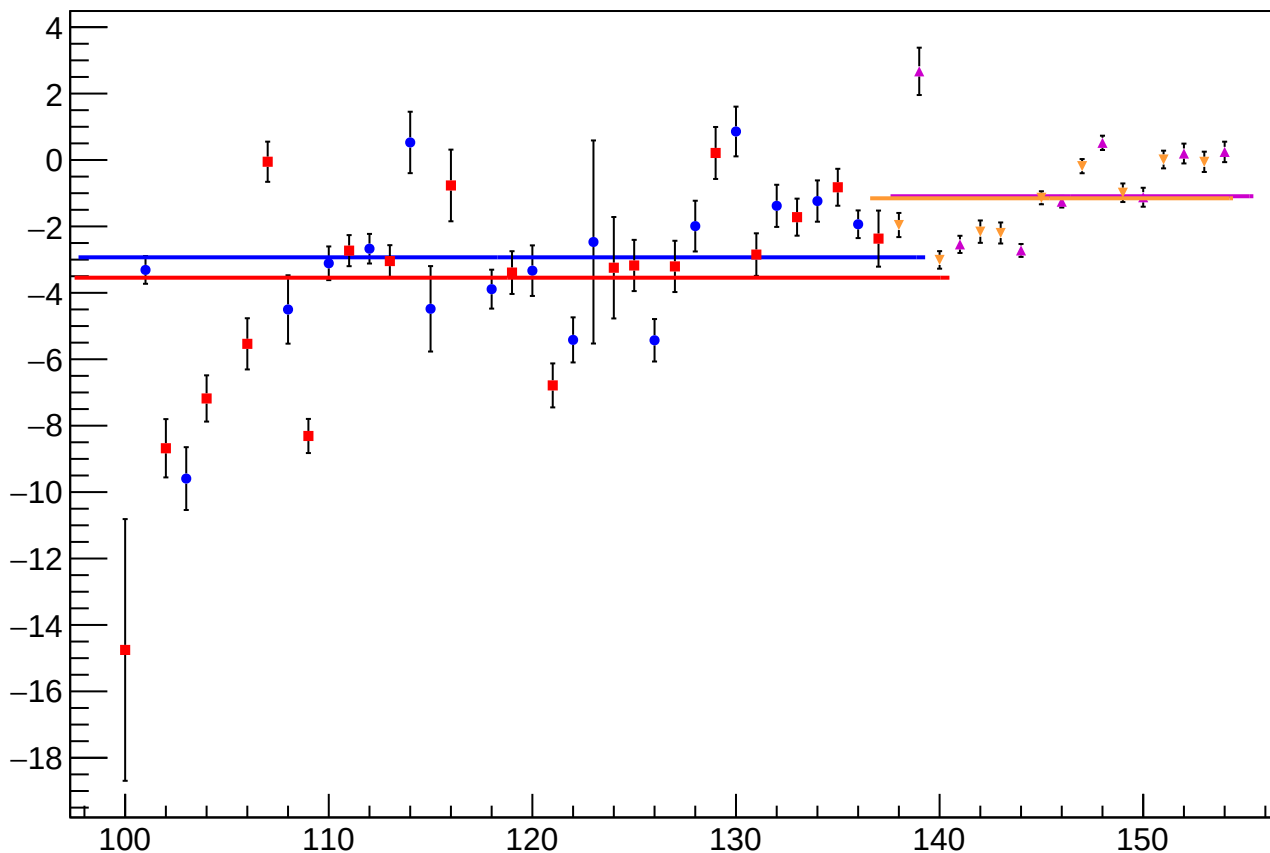
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 3.131+/-0.128 χ^2/NDF :482.8/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 1.318+/-0.127 χ^2/NDF :333.6/7

Left: 2.222+/-0.090 χ^2/NDF : 917.6/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 1.318+/-0.127 χ^2/NDF :333.6/7
 Out: 3.131+/-0.128 χ^2/NDF :482.8/8
 All: 2.222+/-0.090 χ^2/NDF : 917.6/16

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.930 ± 0.154 χ^2/NDF : 146.5/16

Left Out: -1.154 ± 0.089 χ^2/NDF : 127.1/8

Right Out: -3.544 ± 0.155 χ^2/NDF : 291.7/18

Left In: -1.092 ± 0.087 χ^2/NDF : 223.7/7

Left: -1.122 ± 0.062 χ^2/NDF : 351.0/16

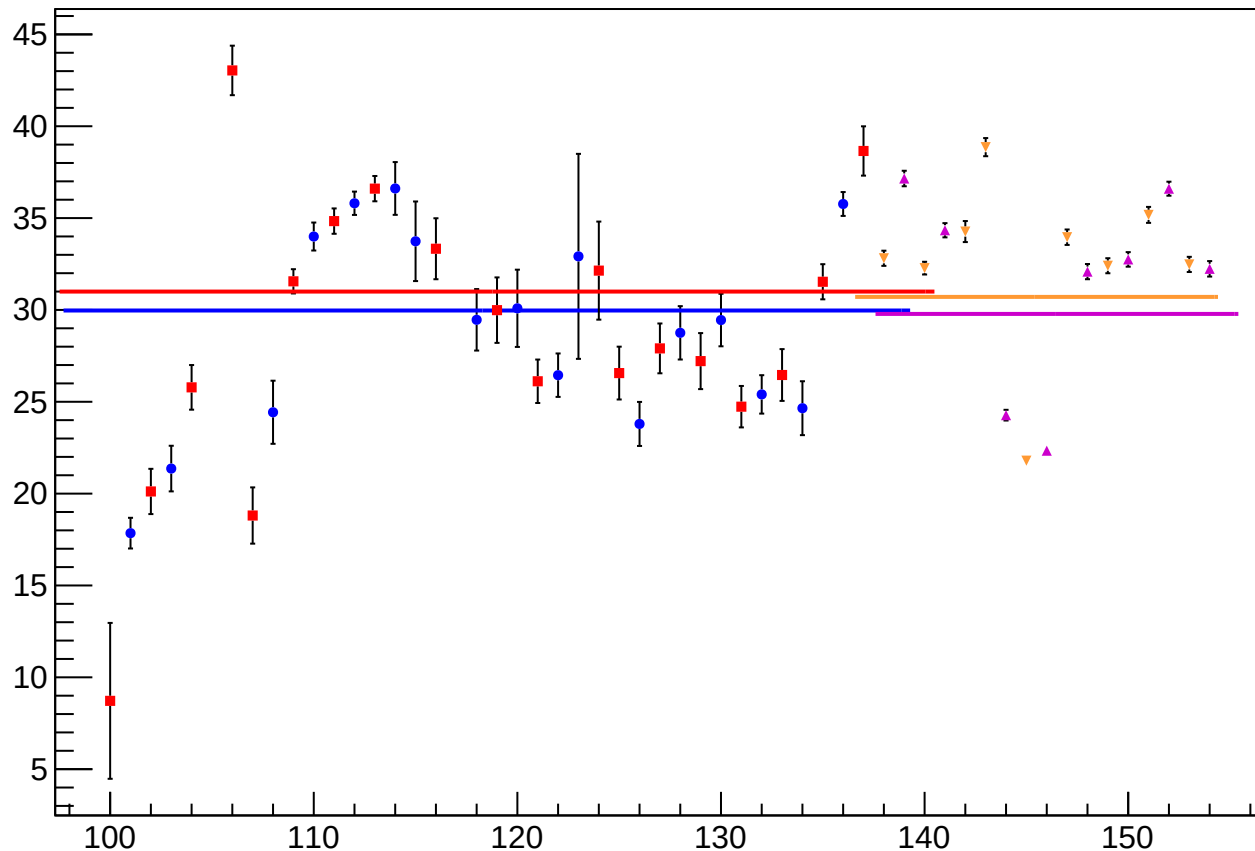
Right: -3.236 ± 0.109 χ^2/NDF : 446.1/35

In: -1.537 ± 0.076 χ^2/NDF : 478.3/24

Out: -1.749 ± 0.077 χ^2/NDF : 598.2/27

All: -1.641 ± 0.054 χ^2/NDF : 1080.4/52

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.969 $\pm$ 0.267 χ^2 /NDF: 554.3/16

Left Out: 30.710 $\pm$ 0.130 χ^2 /NDF: 1736.9/8

Right Out: 31.000 $\pm$ 0.260 χ^2 /NDF: 479.5/18

Left In: 29.783 $\pm$ 0.127 χ^2 /NDF: 1984.1/7

Left: 30.234 $\pm$ 0.091 χ^2 /NDF: 3746.9/16

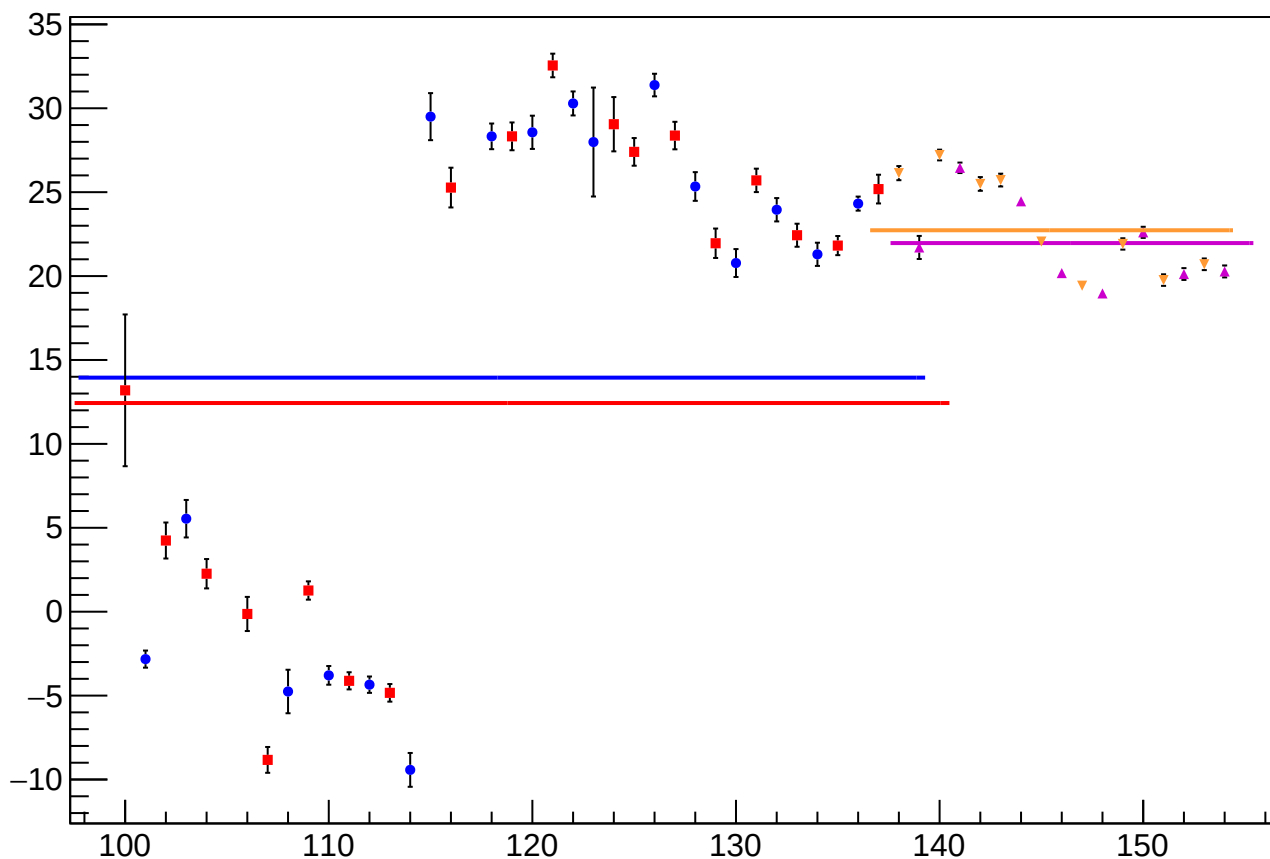
Right: 30.497 $\pm$ 0.186 χ^2 /NDF: 1041.5/35

In: 29.817 $\pm$ 0.115 χ^2 /NDF: 2538.8/24

Out: 30.768 $\pm$ 0.116 χ^2 /NDF: 2217.4/27

All: 30.285 $\pm$ 0.082 χ^2 /NDF: 4790.0/52

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.948 $\pm$ 0.172 χ^2 /NDF: 7391.9/16

Left Out: 22.730 $\pm$ 0.109 χ^2 /NDF:617.9/8

Right Out: 12.435 $\pm$ 0.174 χ^2 /NDF: 6962.9/18

Left In: 21.967 $\pm$ 0.107 χ^2 /NDF:542.9/7

Left: 22.341 $\pm$ 0.076 χ^2 /NDF: 1185.9/16

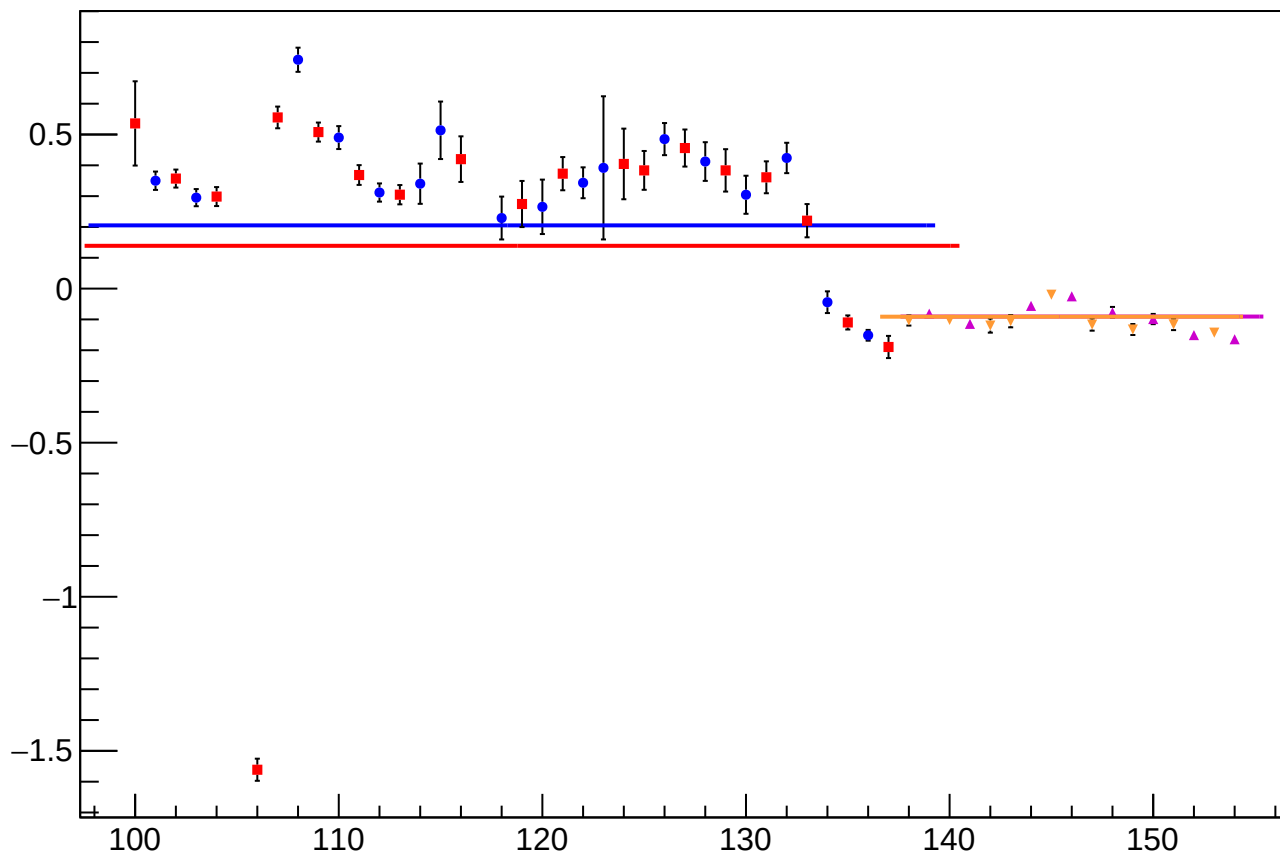
Right: 13.199 $\pm$ 0.122 χ^2 /NDF: 14393.1/35

In: 19.740 $\pm$ 0.091 χ^2 /NDF:9505.3/24

Out: 19.835 $\pm$ 0.092 χ^2 /NDF:10106.4/27

All: 19.786 $\pm$ 0.065 χ^2 /NDF: 19612.3/52

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 ± 0.009 $\chi^2/\text{NDF}: 846.2/16$

Left Out: -0.091 ± 0.005 $\chi^2/\text{NDF}: 73.5/8$

Right Out: 0.139 ± 0.009 $\chi^2/\text{NDF}: 3016.8/18$

Left In: -0.091 ± 0.005 $\chi^2/\text{NDF}: 77.7/7$

Left: -0.091 ± 0.004 $\chi^2/\text{NDF}: 151.2/16$

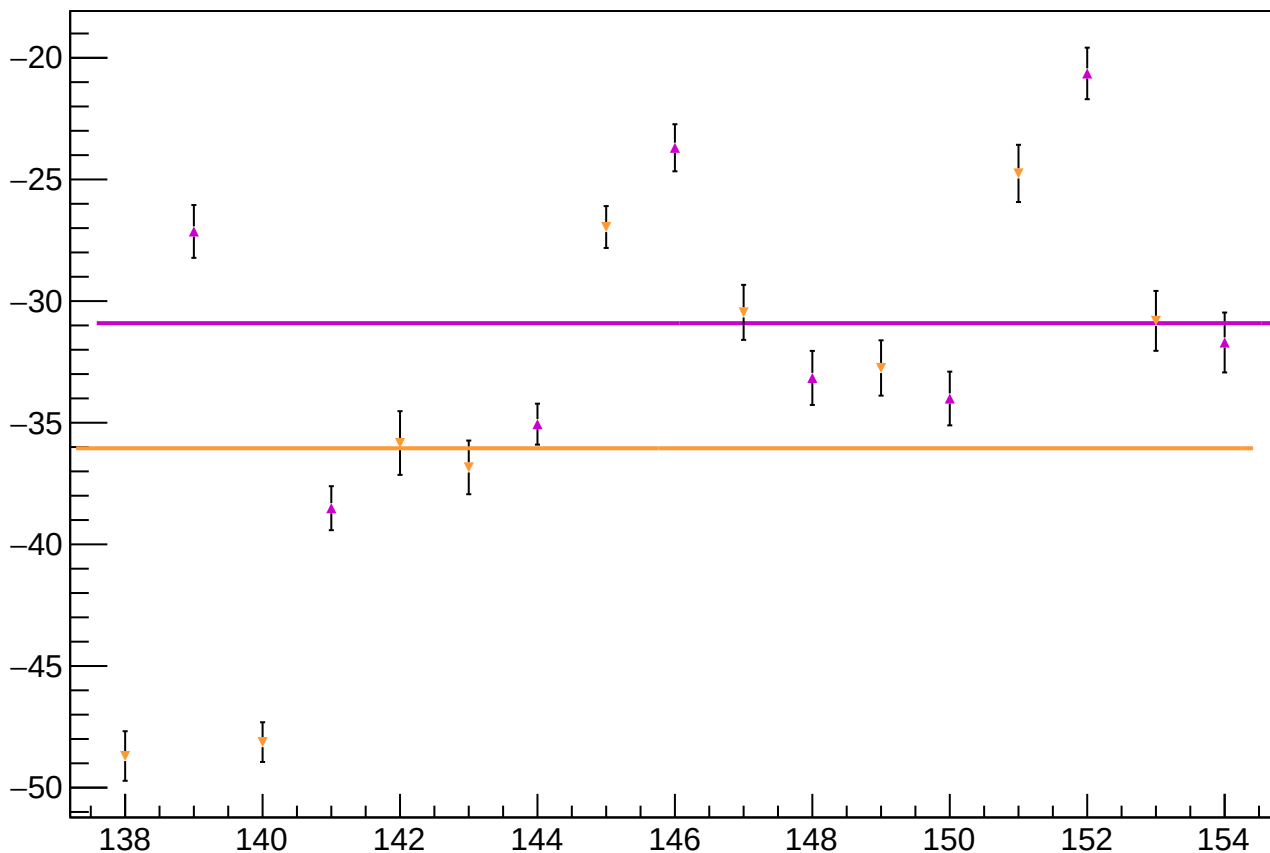
Right: 0.171 ± 0.007 $\chi^2/\text{NDF}: 3888.5/35$

In: -0.020 ± 0.005 $\chi^2/\text{NDF}: 1685.4/24$

Out: -0.033 ± 0.005 $\chi^2/\text{NDF}: 3559.1/27$

All: -0.027 ± 0.003 $\chi^2/\text{NDF}: 5248.6/52$

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -36.050+/-0.350 χ^2/NDF :628.2/8

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

Left In: -30.906+/-0.360 χ^2/NDF :269.1/7

Left: -33.546+/-0.251 χ^2/NDF : 1002.3/16

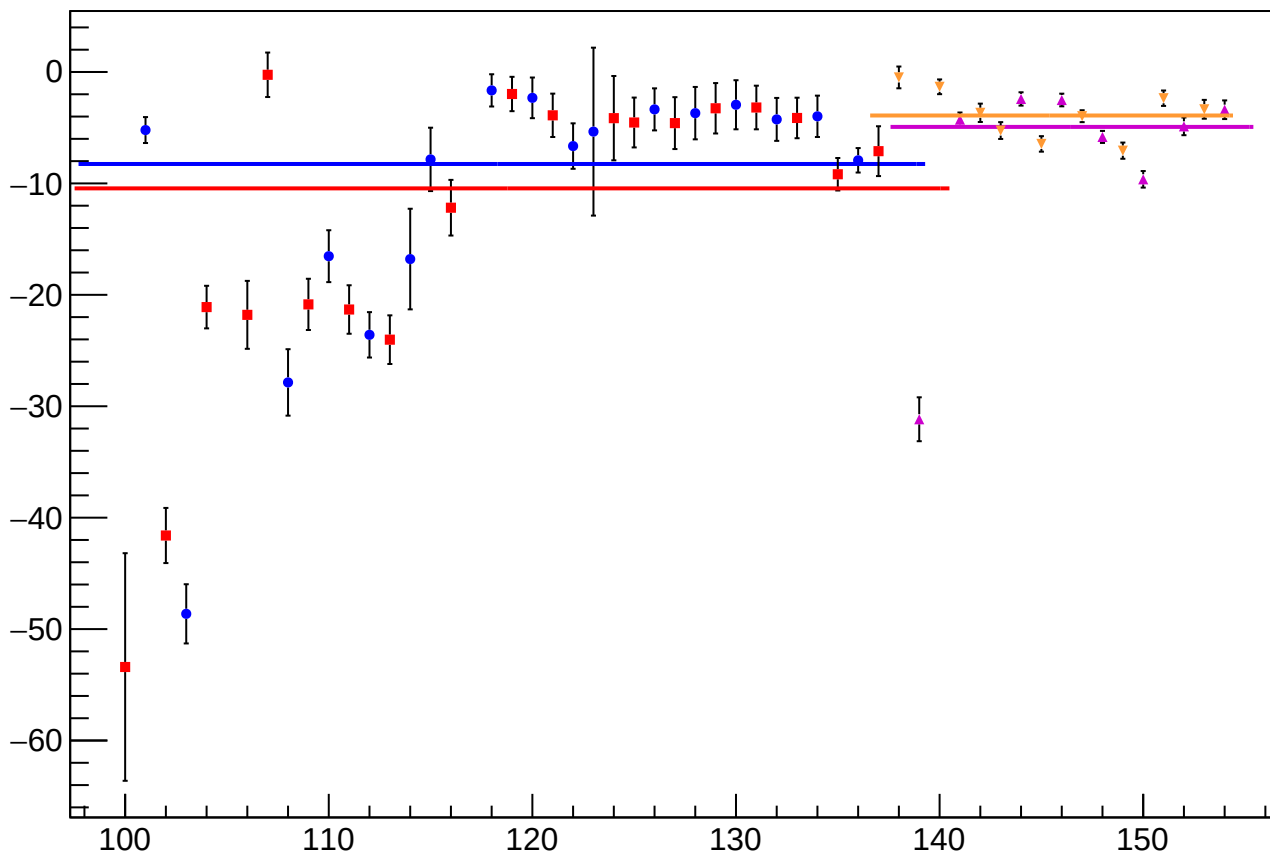
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -30.906+/-0.360 χ^2/NDF :269.1/7

Out: -36.050+/-0.350 χ^2/NDF :628.2/8

All: -33.546+/-0.251 χ^2/NDF : 1002.3/16

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.257 ± 0.462 χ^2/NDF : 412.1/16

Left Out: -3.904 ± 0.239 χ^2/NDF : 68.5/8

Right Out: -10.446 ± 0.491 χ^2/NDF : 428.4/18

Left In: -4.928 ± 0.244 χ^2/NDF : 260.2/7

Left: -4.407 ± 0.171 χ^2/NDF : 337.7/16

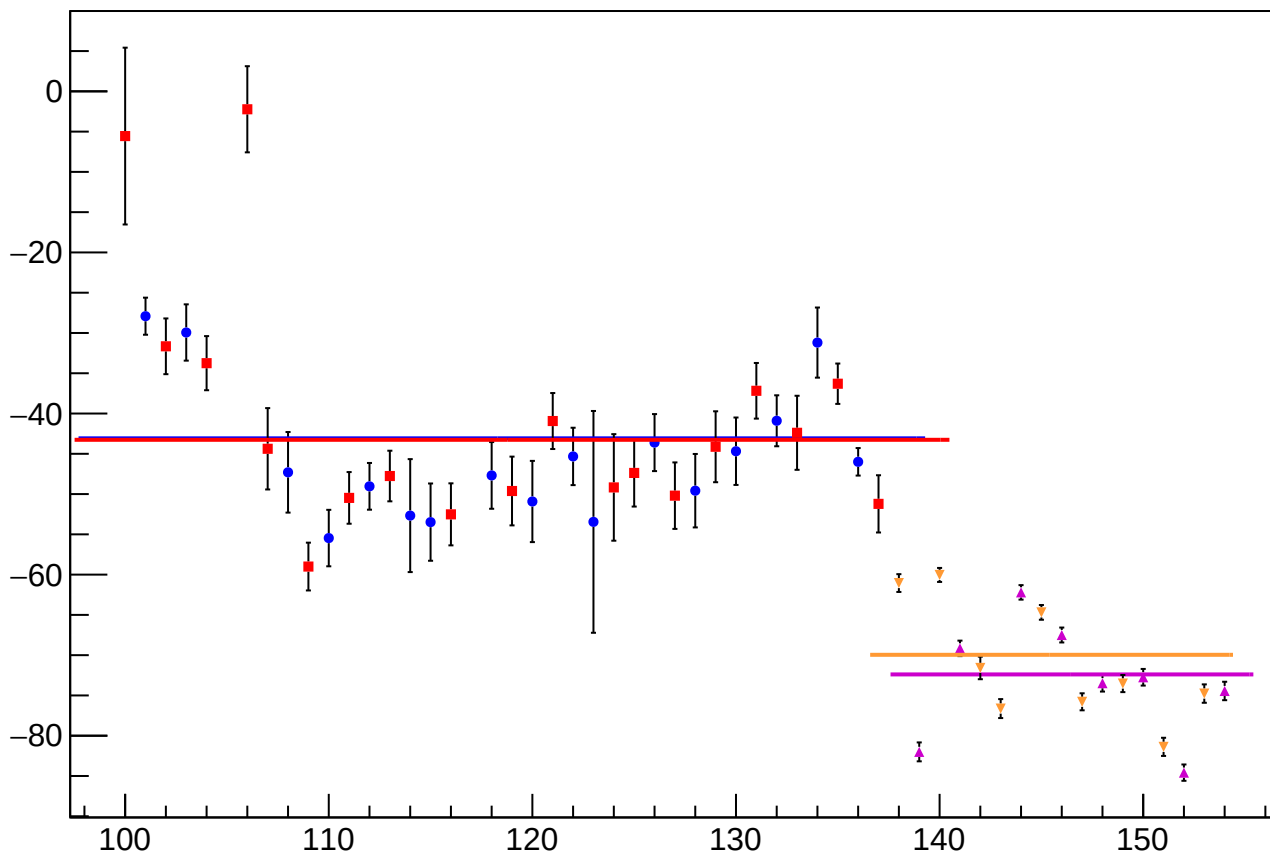
Right: -9.285 ± 0.337 χ^2/NDF : 851.1/35

In: -5.653 ± 0.216 χ^2/NDF : 712.9/24

Out: -5.157 ± 0.215 χ^2/NDF : 640.3/27

All: -5.404 ± 0.152 χ^2/NDF : 1355.9/52

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -43.082 ± 0.834 $\chi^2/\text{NDF}: 99.2/16$

Left Out: -69.955 ± 0.356 $\chi^2/\text{NDF}: 424.2/8$

Right Out: -43.262 ± 0.866 $\chi^2/\text{NDF}: 154.2/18$

Left In: -72.390 ± 0.358 $\chi^2/\text{NDF}: 383.6/7$

Left: -71.165 ± 0.252 $\chi^2/\text{NDF}: 831.0/16$

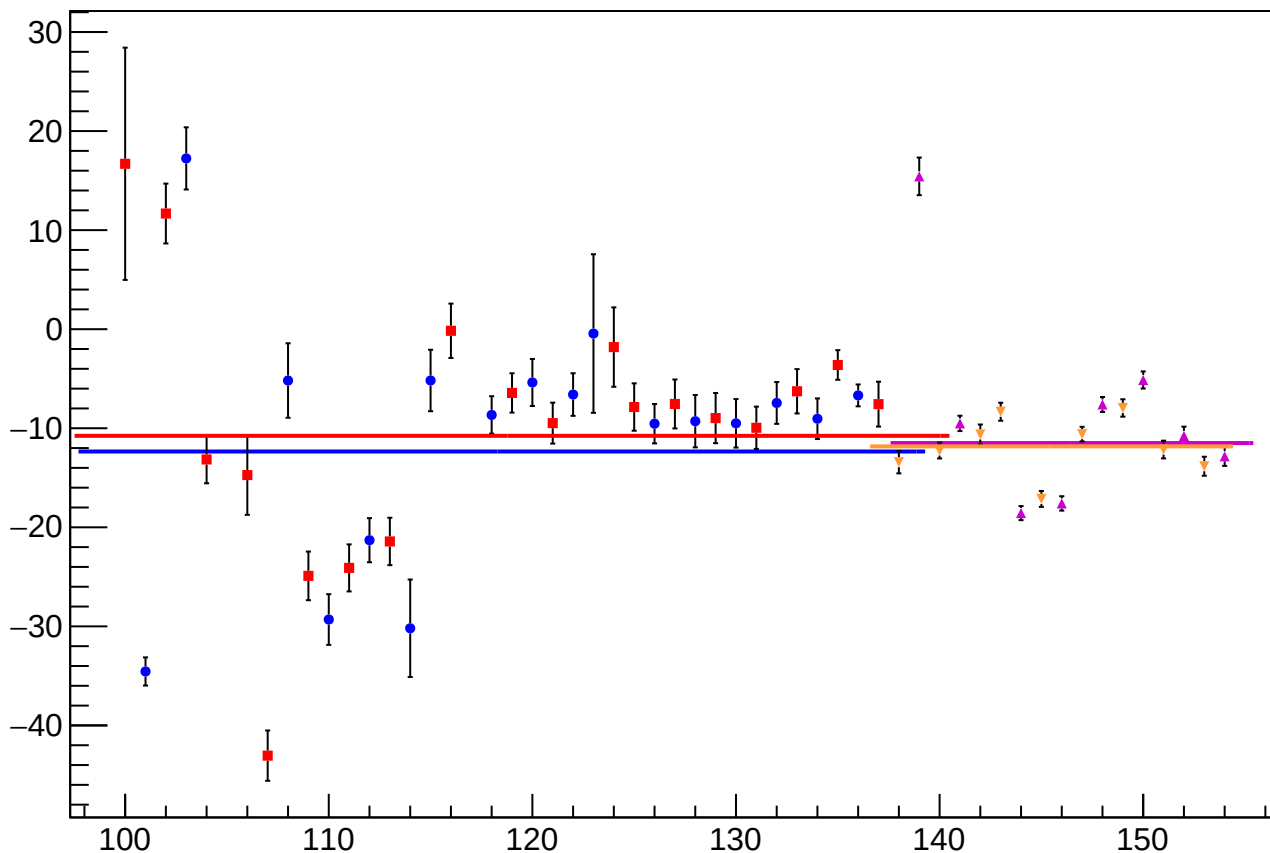
Right: -43.169 ± 0.601 $\chi^2/\text{NDF}: 253.4/35$

In: -67.834 ± 0.329 $\chi^2/\text{NDF}: 1525.1/24$

Out: -66.106 ± 0.329 $\chi^2/\text{NDF}: 1390.6/27$

All: -66.970 ± 0.233 $\chi^2/\text{NDF}: 2929.5/52$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.348 ± 0.520 $\chi^2/\text{NDF}: 475.9/16$

Left Out: -11.829 ± 0.294 $\chi^2/\text{NDF}: 88.9/8$

Right Out: -10.765 ± 0.554 $\chi^2/\text{NDF}: 366.6/18$

Left In: -11.493 ± 0.300 $\chi^2/\text{NDF}: 460.5/7$

Left: -11.664 ± 0.210 $\chi^2/\text{NDF}: 550.1/16$

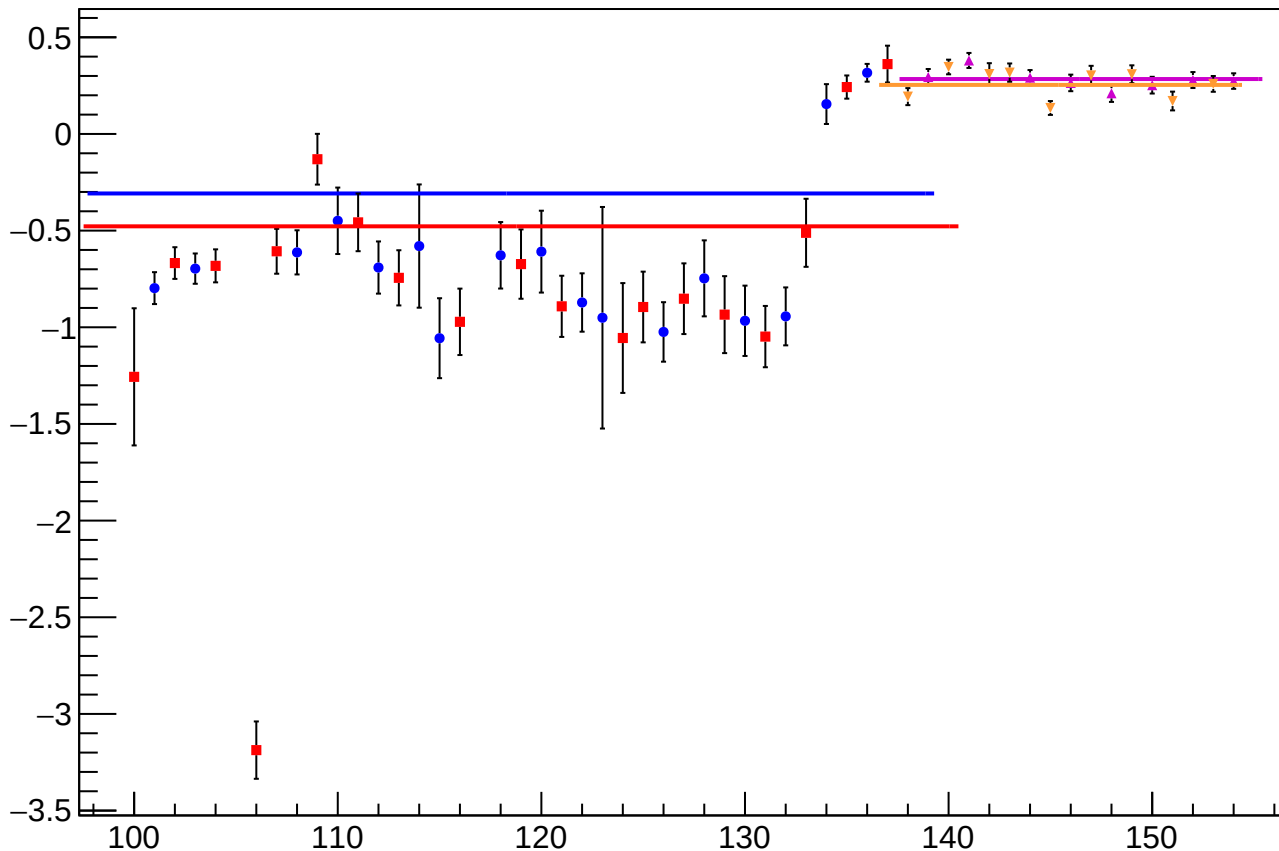
Right: -11.606 ± 0.379 $\chi^2/\text{NDF}: 846.9/35$

In: -11.707 ± 0.260 $\chi^2/\text{NDF}: 938.5/24$

Out: -11.595 ± 0.260 $\chi^2/\text{NDF}: 458.4/27$

All: -11.651 ± 0.184 $\chi^2/\text{NDF}: 1397.0/52$

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.308 ± 0.028 χ^2/NDF : 372.4/16

Left Out: 0.254 ± 0.015 χ^2/NDF : 27.1/8

Right Out: -0.478 ± 0.029 χ^2/NDF : 631.2/18

Left In: 0.284 ± 0.015 χ^2/NDF : 9.8/7

Left: 0.269 ± 0.010 χ^2/NDF : 39.0/16

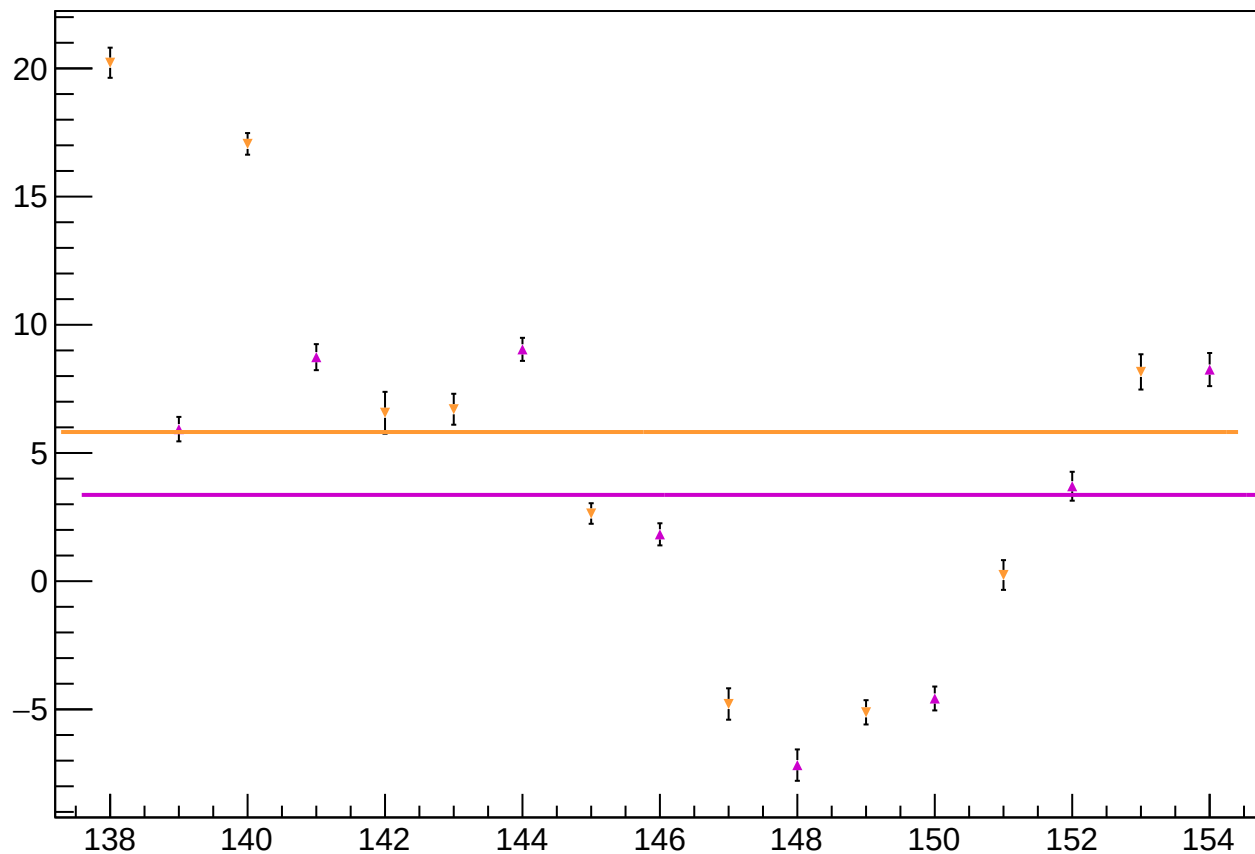
Right: -0.390 ± 0.020 χ^2/NDF : 1022.0/35

In: 0.154 ± 0.013 χ^2/NDF : 743.1/24

Out: 0.101 ± 0.013 χ^2/NDF : 1178.3/27

All: 0.127 ± 0.009 χ^2/NDF : 1929.7/52

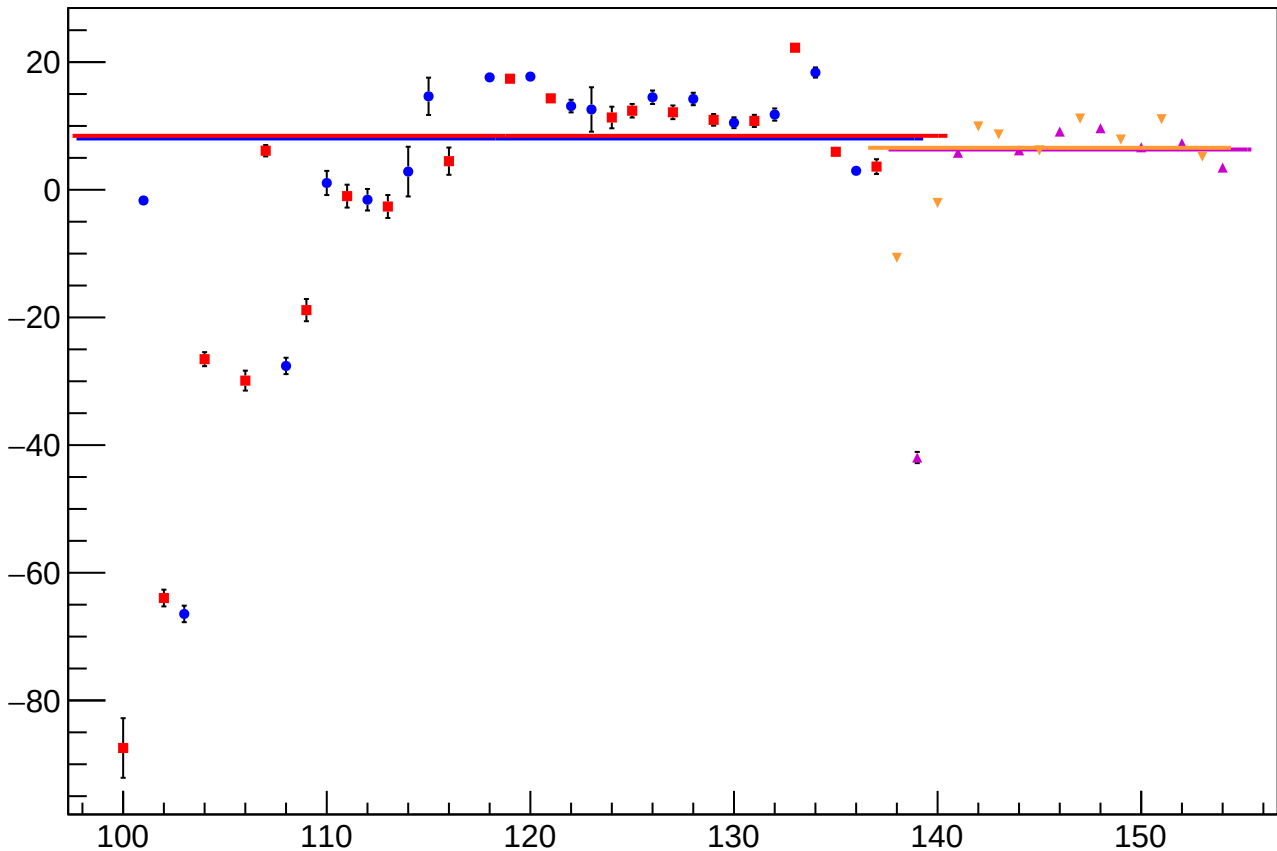
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.818+/-0.179 χ^2/NDF :2311.9/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 3.365+/-0.178 χ^2/NDF :957.8/7

Left: 4.587+/-0.126 χ^2/NDF : 3363.8/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 3.365+/-0.178 χ^2/NDF :957.8/7
 Out: 5.818+/-0.179 χ^2/NDF :2311.9/8
 All: 4.587+/-0.126 χ^2/NDF : 3363.8/16

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 8.036 ± 0.215 $\chi^2/\text{NDF}: 5369.4/16$

Left Out: 6.578 ± 0.124 $\chi^2/\text{NDF}: 1952.3/8$

Right Out: 8.454 ± 0.213 $\chi^2/\text{NDF}: 6704.4/18$

Left In: 6.312 ± 0.126 $\chi^2/\text{NDF}: 3284.2/7$

Left: 6.447 ± 0.088 $\chi^2/\text{NDF}: 5238.8/16$

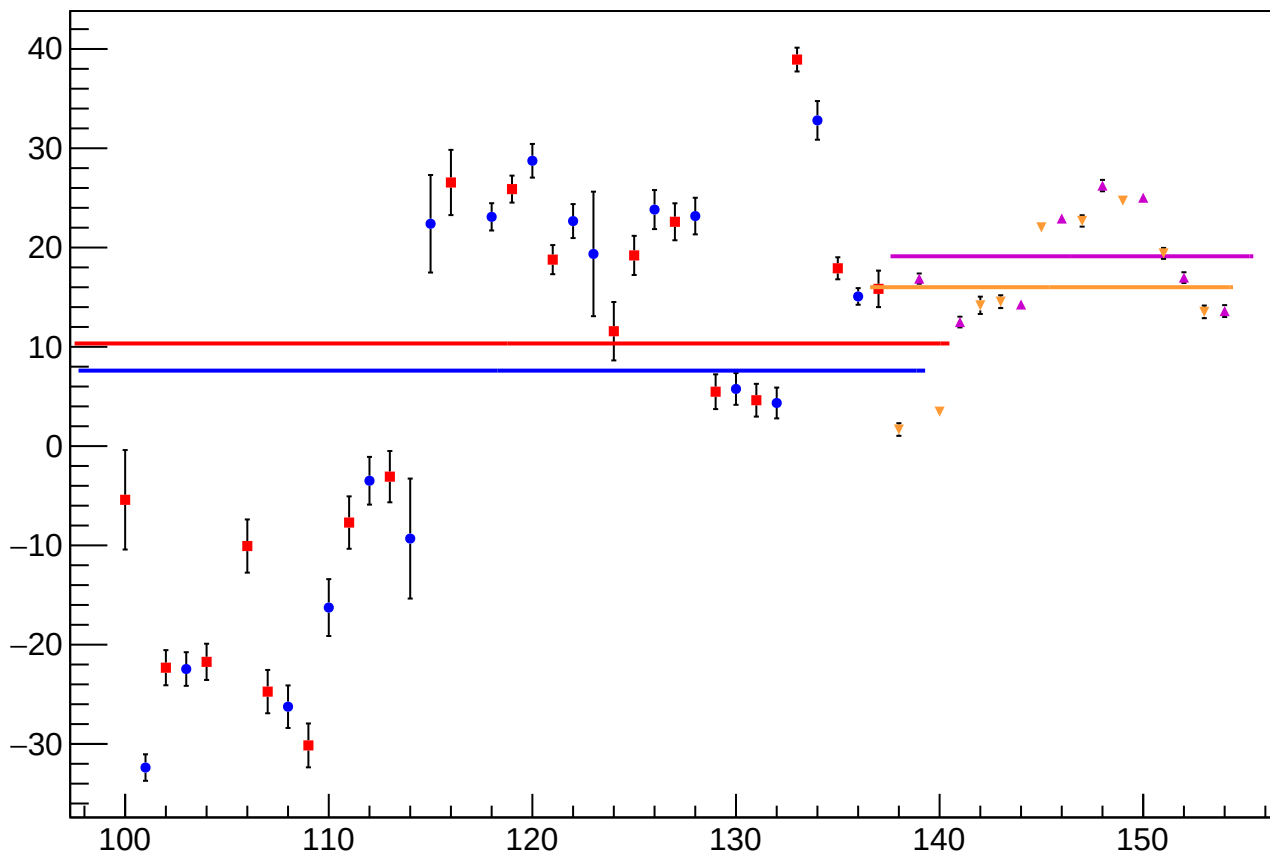
Right: 8.247 ± 0.151 $\chi^2/\text{NDF}: 12075.7/35$

In: 6.751 ± 0.109 $\chi^2/\text{NDF}: 8701.5/24$

Out: 7.053 ± 0.107 $\chi^2/\text{NDF}: 8714.5/27$

All: 6.904 ± 0.076 $\chi^2/\text{NDF}: 17419.9/52$

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 7.604 ± 0.416 χ^2/NDF : 2325.0/16

Left Out: 16.008 ± 0.181 χ^2/NDF : 2070.4/8

Right Out: 10.337 ± 0.416 χ^2/NDF : 2281.8/18

Left In: 19.120 ± 0.177 χ^2/NDF : 793.2/7

Left: 17.597 ± 0.127 χ^2/NDF : 3014.7/16

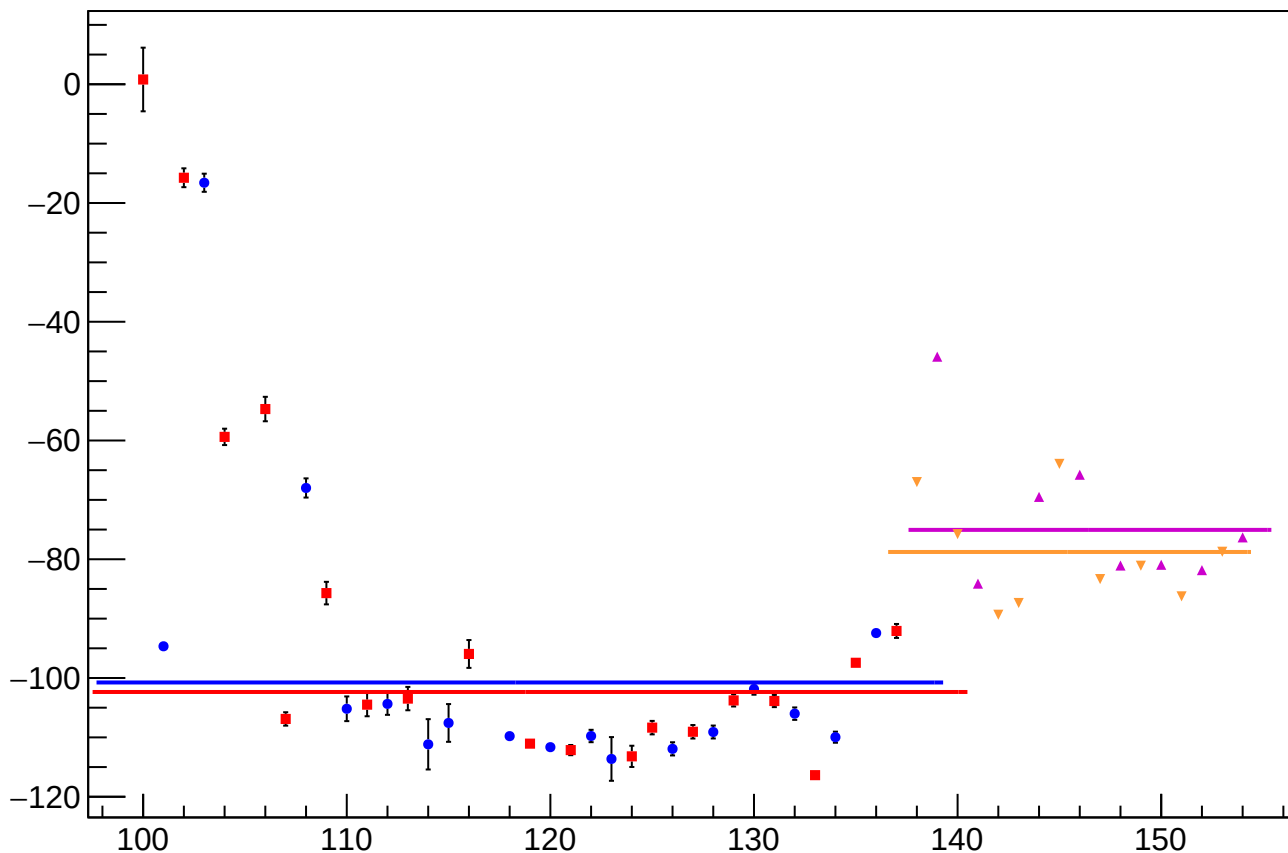
Right: 8.969 ± 0.294 χ^2/NDF : 4628.4/35

In: 17.350 ± 0.163 χ^2/NDF : 3767.5/24

Out: 15.107 ± 0.166 χ^2/NDF : 4508.2/27

All: 16.249 ± 0.116 χ^2/NDF : 8368.6/52

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -100.753 ± 0.248 χ^2/NDF : 4522.6/16

Left Out: -78.773 ± 0.152 χ^2/NDF : 2921.5/8

Right Out: -102.354 ± 0.246 χ^2/NDF : 6078.9/18

Left In: -75.053 ± 0.152 χ^2/NDF : 3212.0/7

Left: -76.923 ± 0.107 χ^2/NDF : 6432.9/16

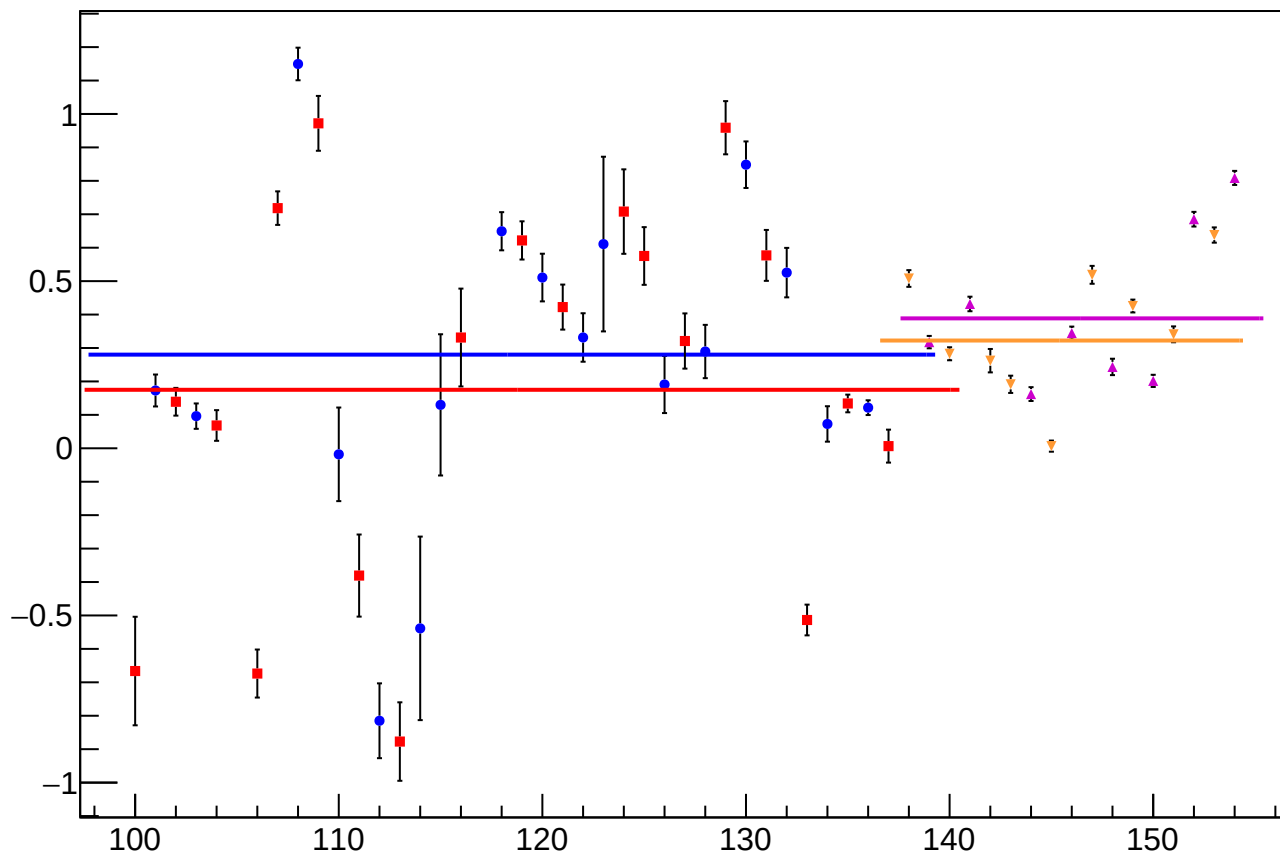
Right: -101.559 ± 0.175 χ^2/NDF : 10622.5/35

In: -82.101 ± 0.130 χ^2/NDF : 15528.0/24

Out: -85.255 ± 0.129 χ^2/NDF : 15651.0/27

All: -83.688 ± 0.092 χ^2/NDF : 31475.7/52

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.280 $\pm$ 0.013 χ^2/NDF : 656.0/16

Left Out: 0.322 $\pm$ 0.007 χ^2/NDF : 721.4/8

Right Out: 0.175 $\pm$ 0.013 χ^2/NDF : 966.7/18

Left In: 0.389 $\pm$ 0.007 χ^2/NDF : 864.9/7

Left: 0.356 $\pm$ 0.005 χ^2/NDF : 1626.8/16

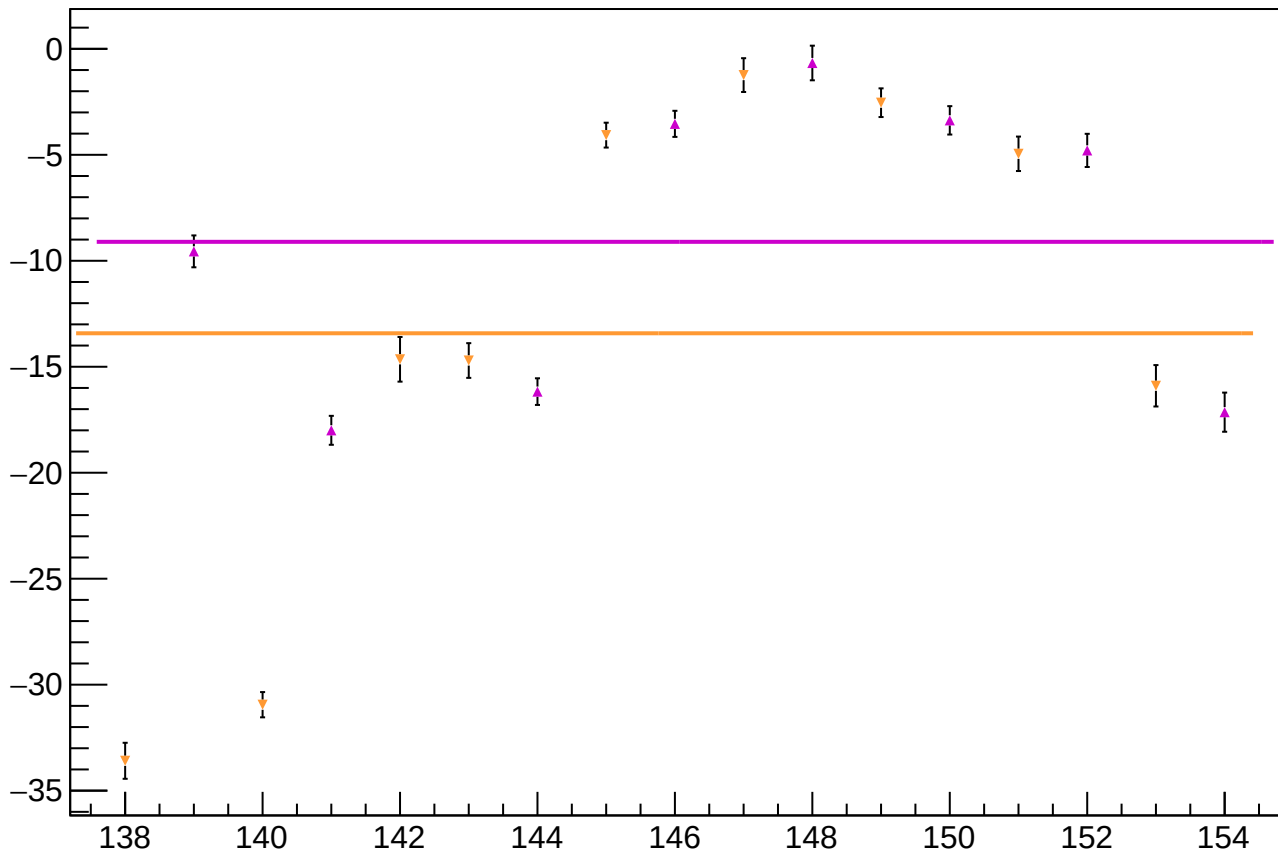
Right: 0.227 $\pm$ 0.010 χ^2/NDF : 1653.2/35

In: 0.364 $\pm$ 0.006 χ^2/NDF : 1571.1/24

Out: 0.288 $\pm$ 0.007 χ^2/NDF : 1779.9/27

All: 0.327 $\pm$ 0.005 χ^2/NDF : 3421.4/52

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -13.421+/-0.251 χ^2 /NDF:2293.2/8

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

Left In: -9.105+/-0.253 χ^2 /NDF:664.0/7

Left: -11.277+/-0.178 χ^2 /NDF: 3103.5/16

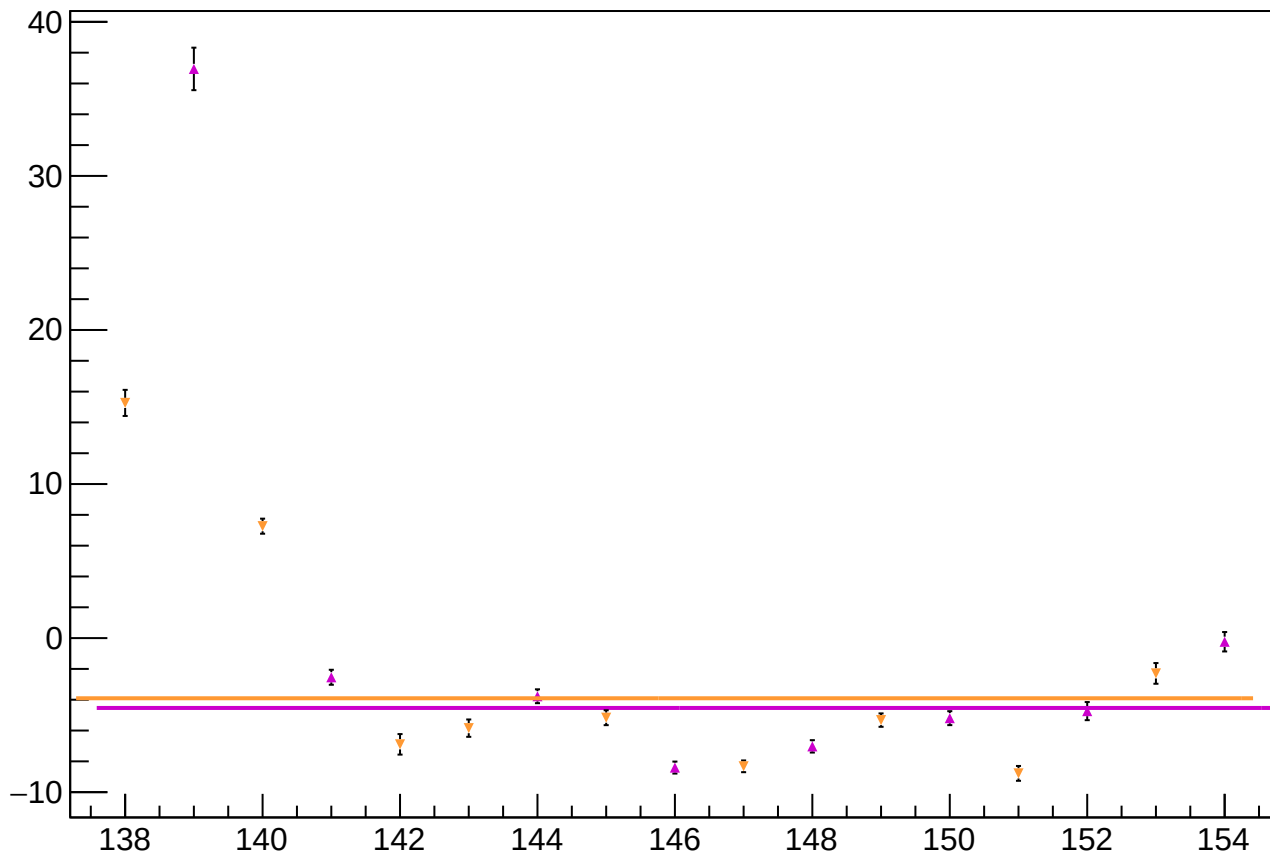
Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

In: -9.105+/-0.253 χ^2 /NDF:664.0/7

Out: -13.421+/-0.251 χ^2 /NDF:2293.2/8

All: -11.277+/-0.178 χ^2 /NDF: 3103.5/16

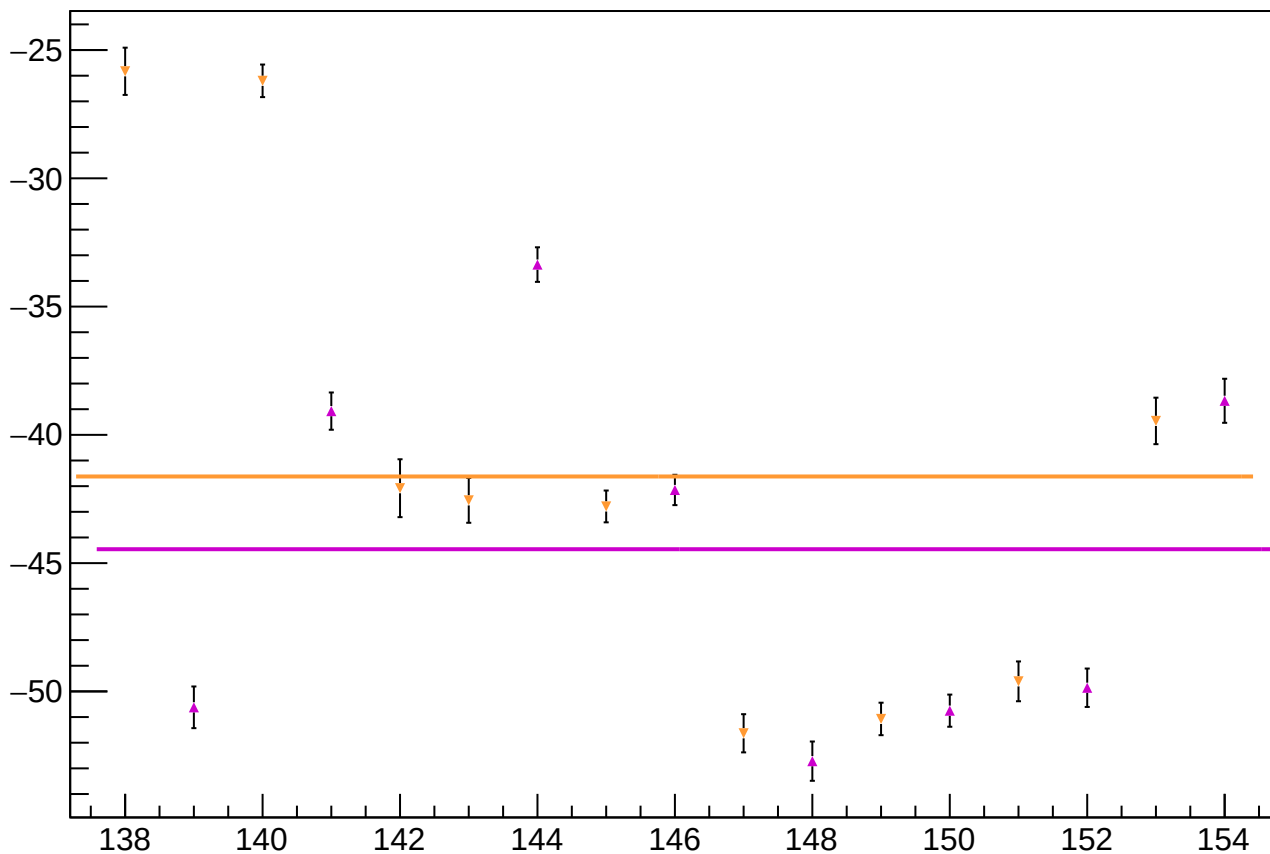
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -3.905+/-0.172 χ^2/NDF :1326.1/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -4.534+/-0.175 χ^2/NDF :1110.3/7

Left: -4.214+/-0.122 χ^2/NDF : 2443.0/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -4.534+/-0.175 χ^2/NDF :1110.3/7
 Out: -3.905+/-0.172 χ^2/NDF :1326.1/8
 All: -4.214+/-0.122 χ^2/NDF : 2443.0/16

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



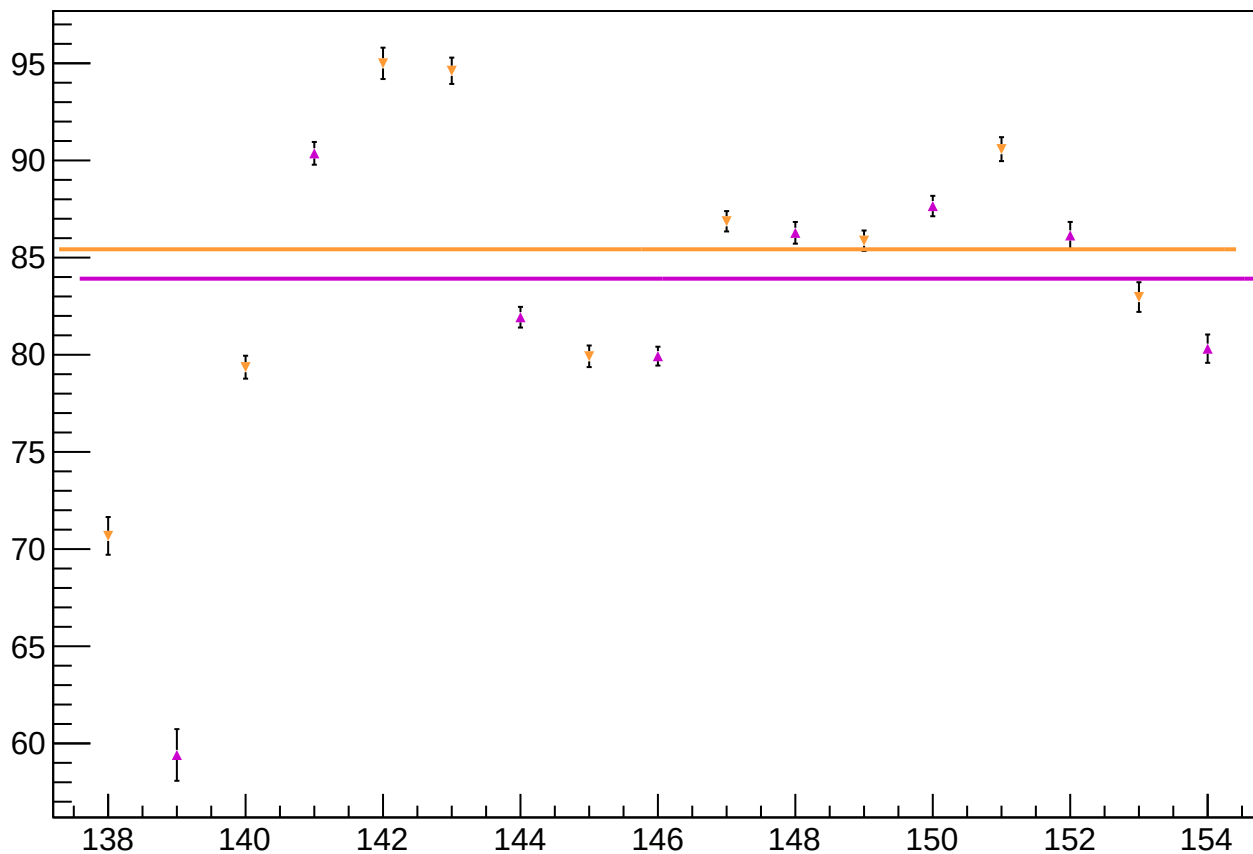
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -41.622+/-0.254 χ^2/NDF :1404.4/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -44.458+/-0.251 χ^2/NDF :713.5/7

Left: -43.055+/-0.178 χ^2/NDF : 2181.0/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -44.458+/-0.251 χ^2/NDF :713.5/7
 Out: -41.622+/-0.254 χ^2/NDF :1404.4/8

All: -43.055+/-0.178 χ^2/NDF : 2181.0/16

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: 85.428+/-0.211 χ^2/NDF : 848.1/8

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

Left In: 83.915+/-0.213 χ^2/NDF : 645.8/7

Left: 84.680+/-0.150 χ^2/NDF : 1519.4/16

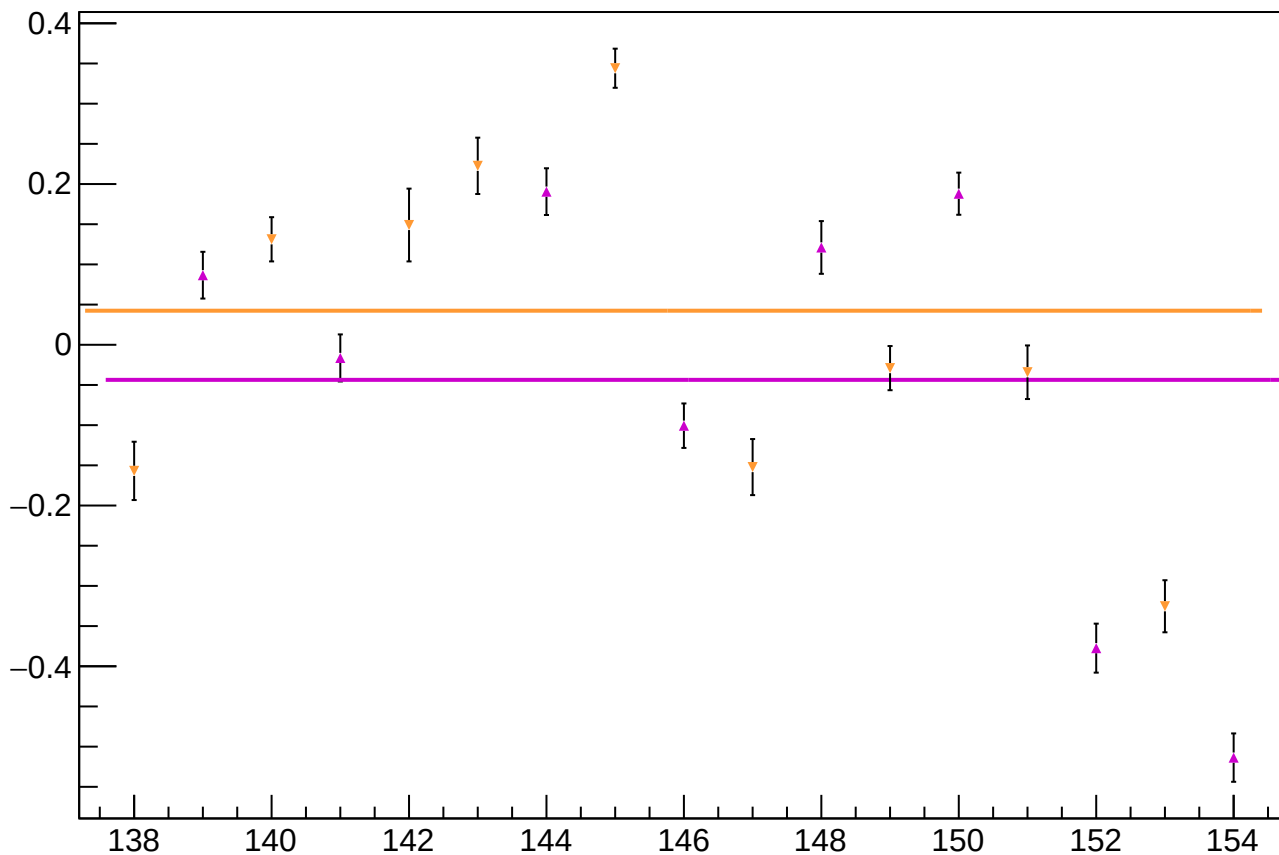
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 83.915+/-0.213 χ^2/NDF : 645.8/7

Out: 85.428+/-0.211 χ^2/NDF : 848.1/8

All: 84.680+/-0.150 χ^2/NDF : 1519.4/16

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.042 $\pm$ 0.011 χ^2 /NDF:398.2/8

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -0.044 $\pm$ 0.010 χ^2 /NDF:557.3/7

Left: -0.001 $\pm$ 0.007 χ^2 /NDF: 989.6/16

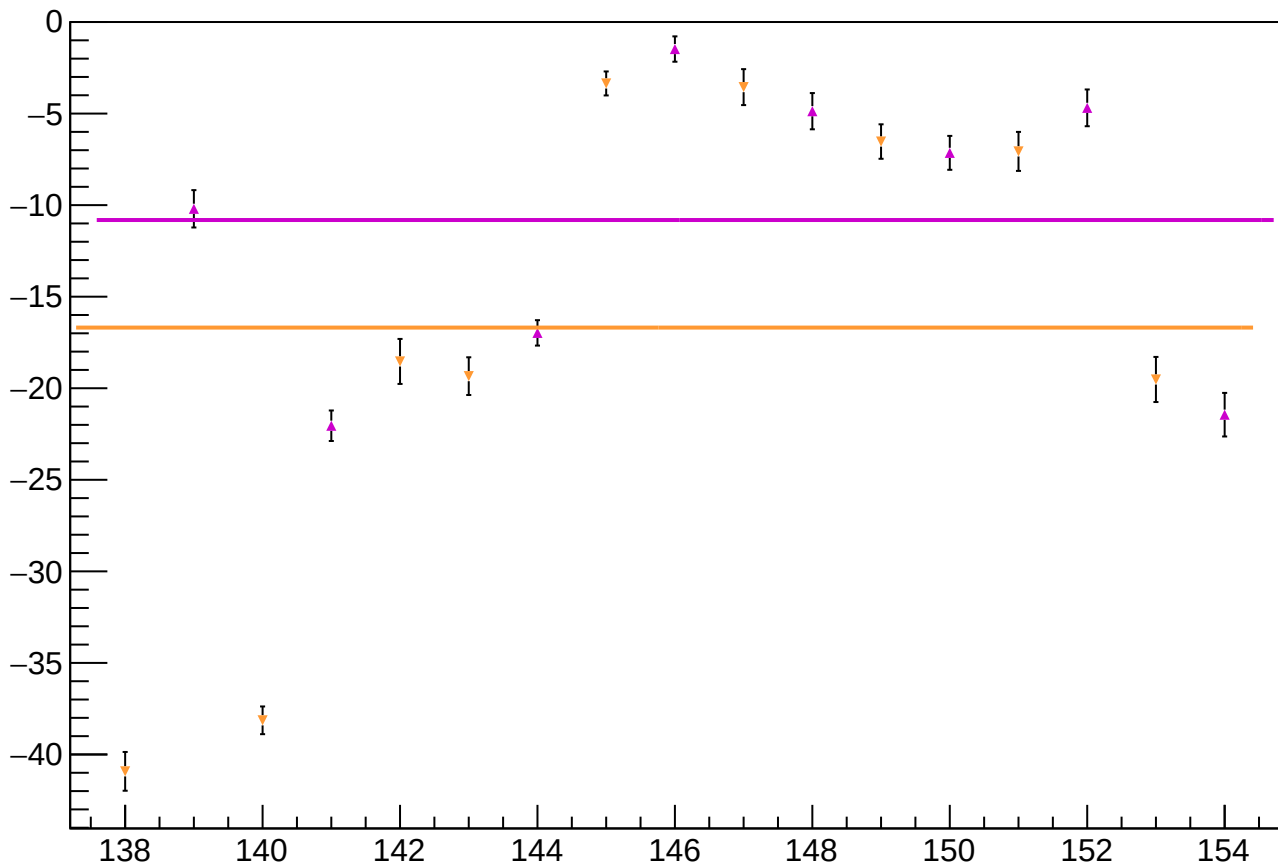
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.044 $\pm$ 0.010 χ^2 /NDF:557.3/7

Out: 0.042 $\pm$ 0.011 χ^2 /NDF:398.2/8

All: -0.001 $\pm$ 0.007 χ^2 /NDF: 989.6/16

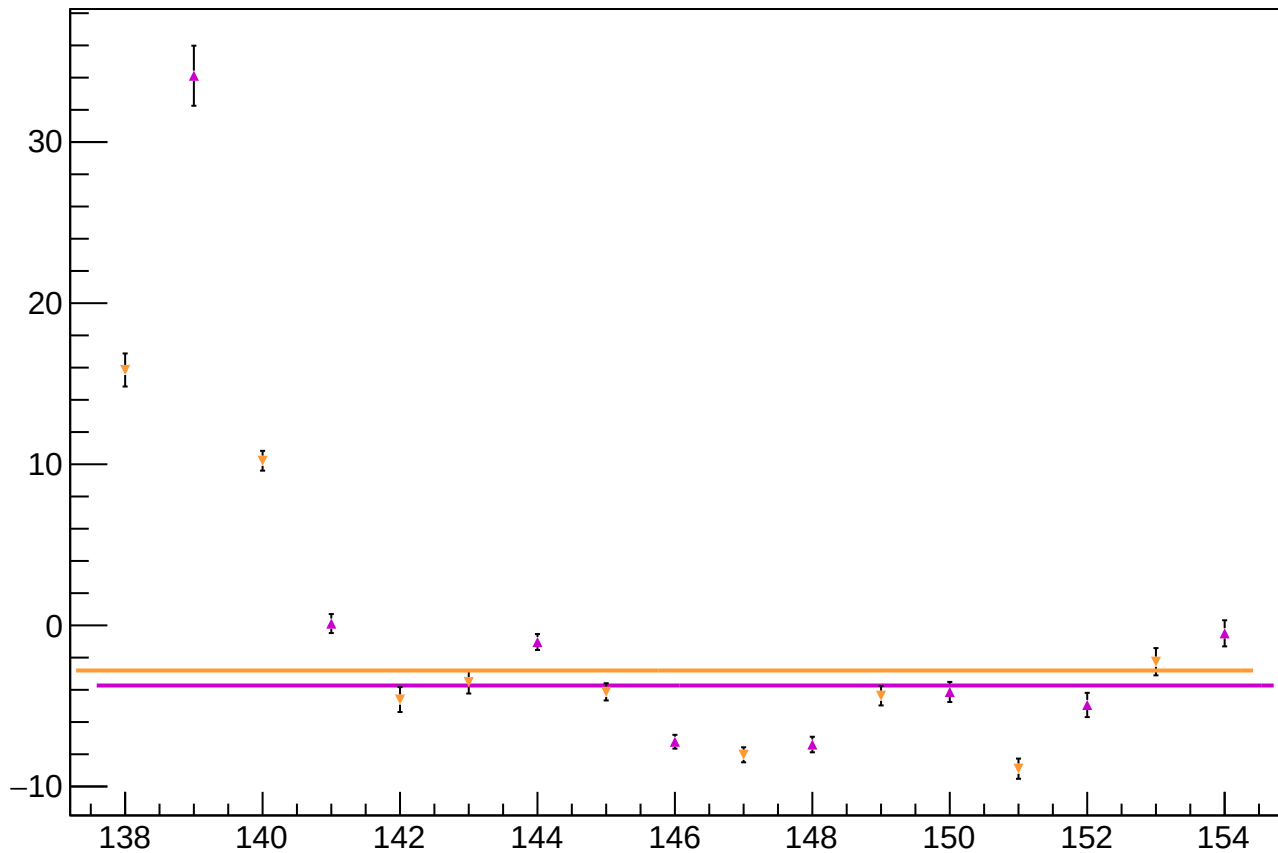
reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -16.687+/-0.312 χ^2/NDF :2132.8/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -10.813+/-0.309 χ^2/NDF :611.9/7

Left: -13.726+/-0.220 χ^2/NDF : 2923.5/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -10.813+/-0.309 χ^2/NDF :611.9/7
 Out: -16.687+/-0.312 χ^2/NDF :2132.8/8
 All: -13.726+/-0.220 χ^2/NDF : 2923.5/16

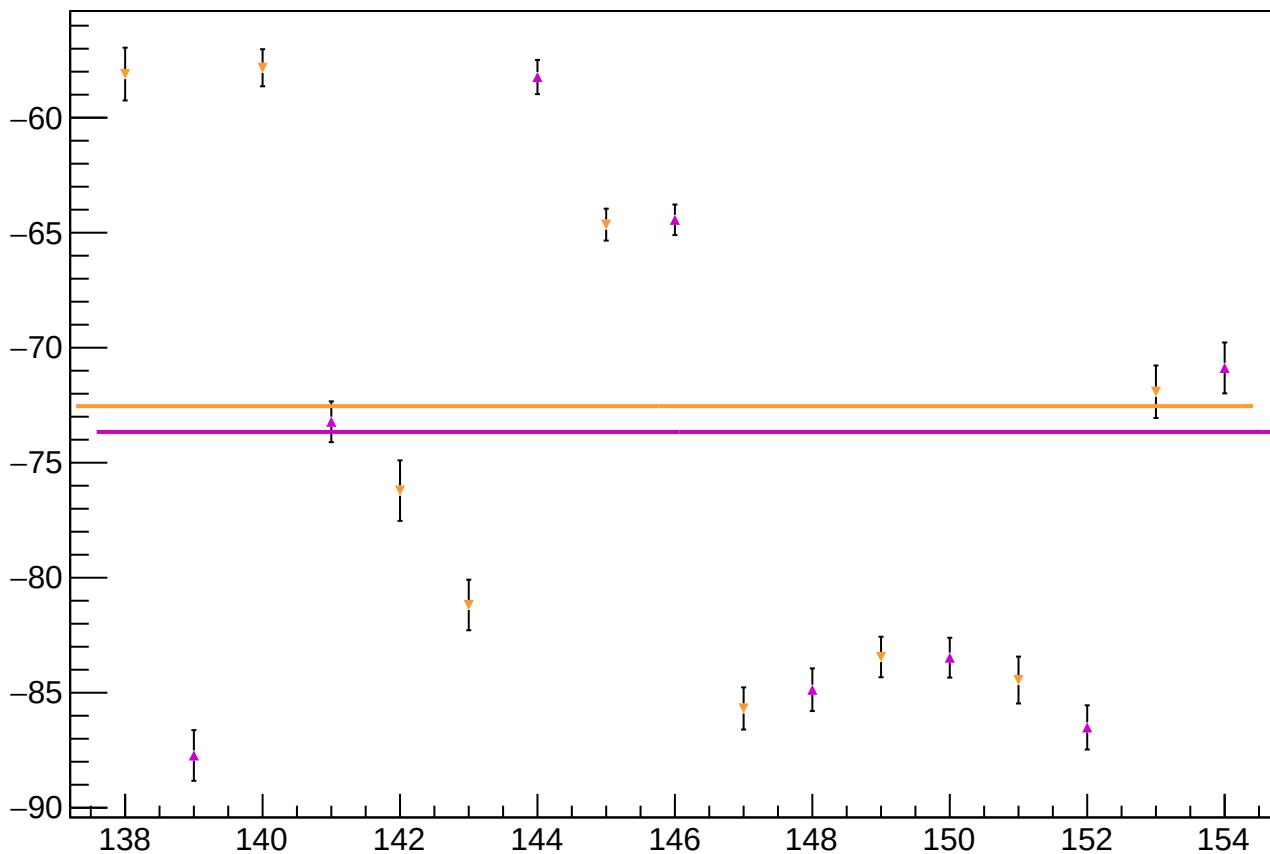
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.801+/-0.213 χ^2/NDF :1018.7/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.732+/-0.209 χ^2/NDF :626.8/7

Left: -3.274+/-0.149 χ^2/NDF : 1655.2/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -3.732+/-0.209 χ^2/NDF :626.8/7
 Out: -2.801+/-0.213 χ^2/NDF :1018.7/8
 All: -3.274+/-0.149 χ^2/NDF : 1655.2/16

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: -72.539+/-0.316 χ^2/NDF :1186.3/8

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

Left In: -73.663+/-0.308 χ^2/NDF :1245.7/7

Left: -73.116+/-0.221 χ^2/NDF : 2438.5/16

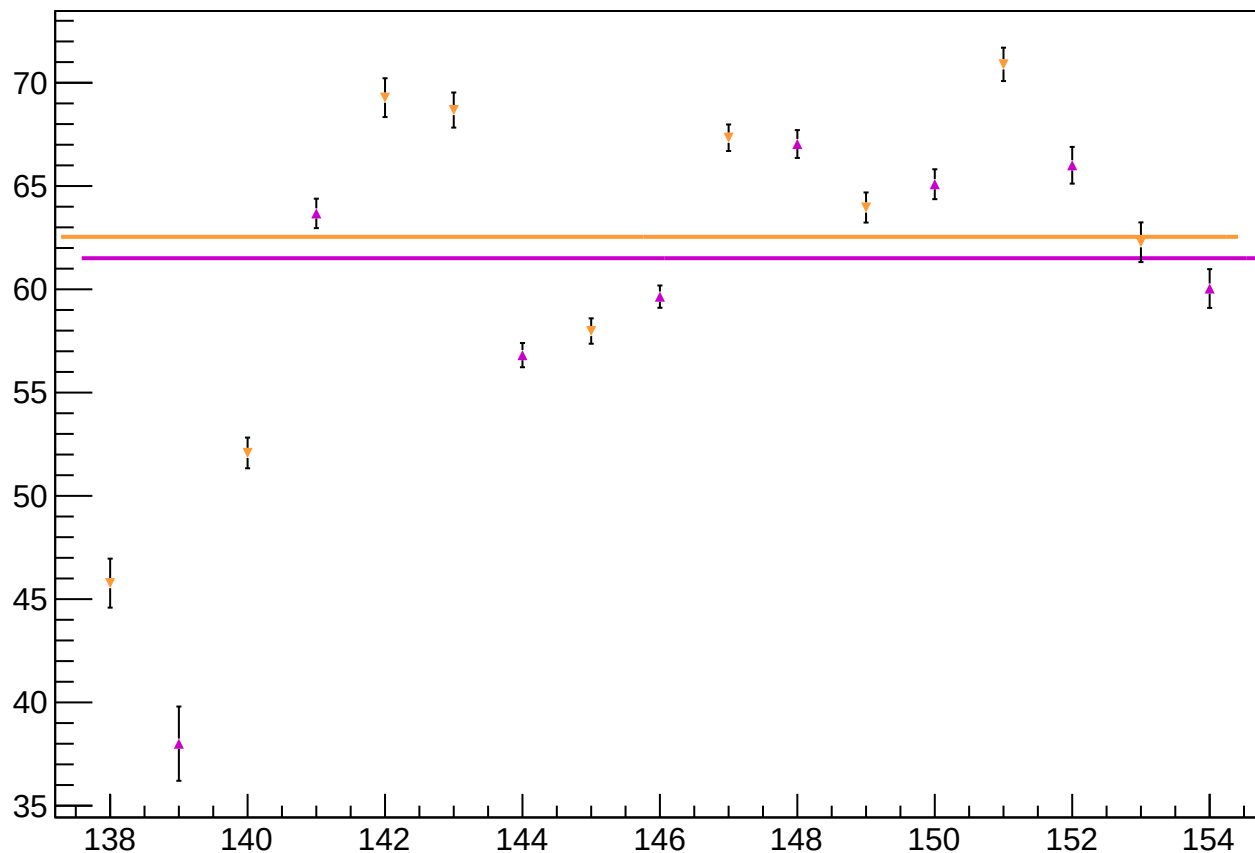
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -73.663+/-0.308 χ^2/NDF :1245.7/7

Out: -72.539+/-0.316 χ^2/NDF :1186.3/8

All: -73.116+/-0.221 χ^2/NDF : 2438.5/16

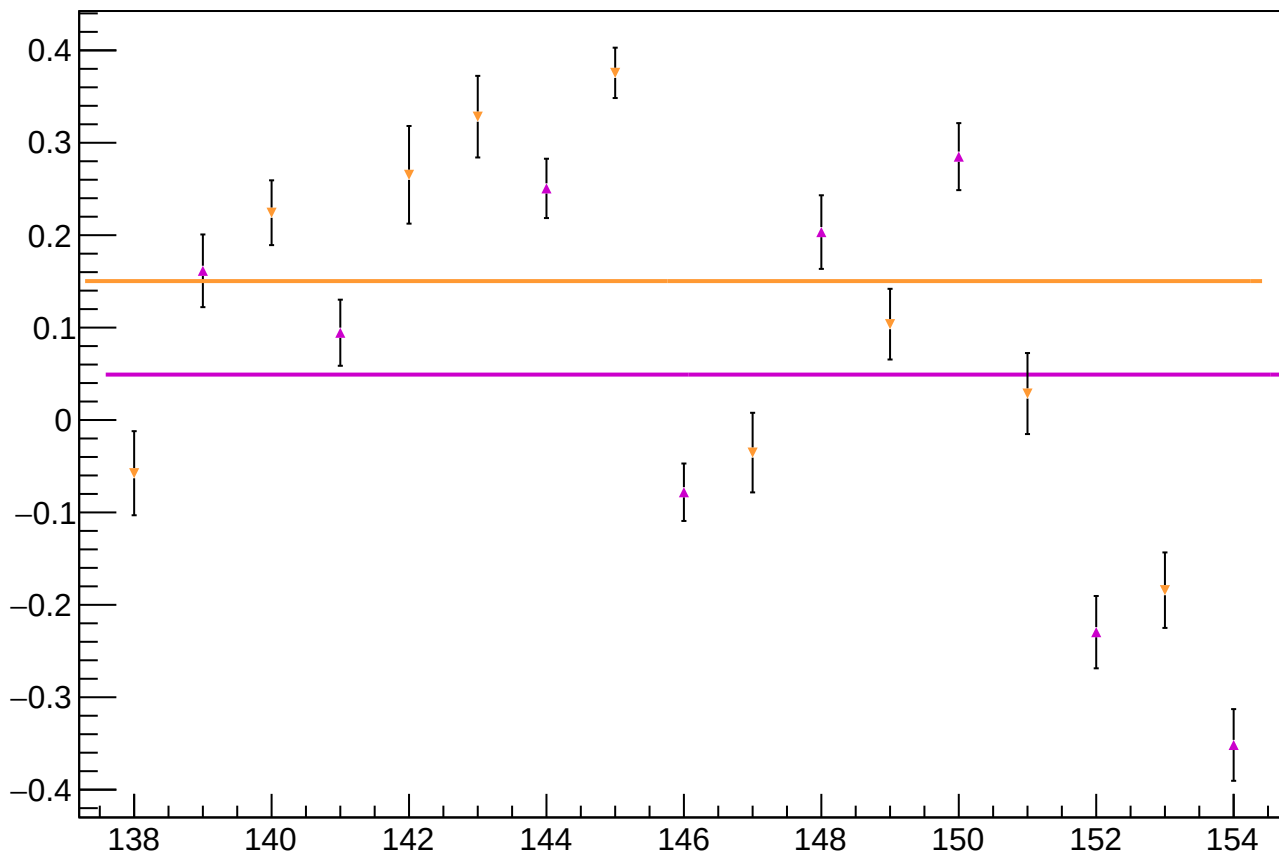
reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 62.541 $\pm$ 0.262 χ^2 /NDF:723.2/8
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 61.506 $\pm$ 0.257 χ^2 /NDF:375.9/7

Left: 62.014 $\pm$ 0.183 χ^2 /NDF: 1107.1/16
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 61.506 $\pm$ 0.257 χ^2 /NDF:375.9/7
 Out: 62.541 $\pm$ 0.262 χ^2 /NDF:723.2/8
 All: 62.014 $\pm$ 0.183 χ^2 /NDF: 1107.1/16

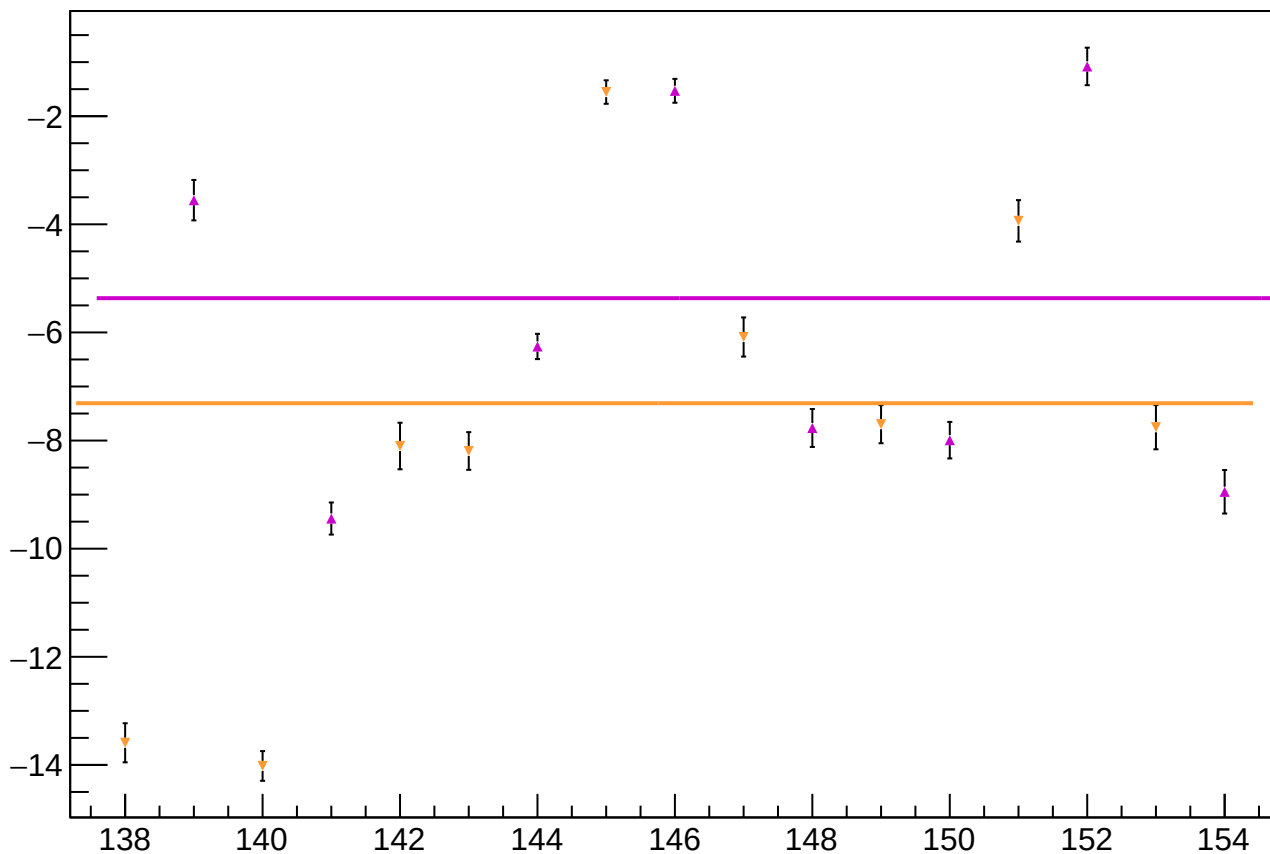
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.150+/-0.013 χ^2/NDF :209.5/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.049+/-0.013 χ^2/NDF :280.7/7

Left: 0.099+/-0.009 χ^2/NDF : 520.9/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 0.049+/-0.013 χ^2/NDF :280.7/7
 Out: 0.150+/-0.013 χ^2/NDF :209.5/8
 All: 0.099+/-0.009 χ^2/NDF : 520.9/16

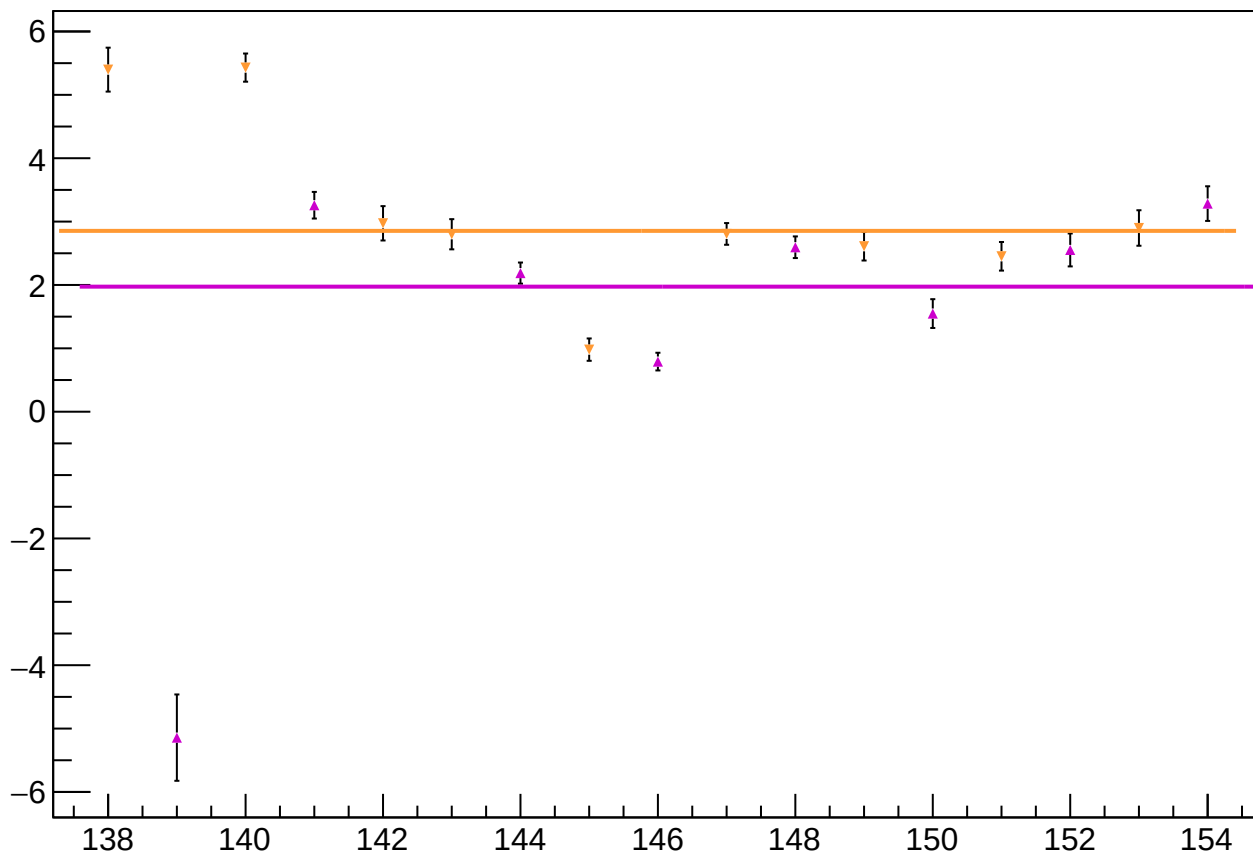
reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -7.309+/-0.109 χ^2/NDF :1703.2/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -5.366+/-0.106 χ^2/NDF :867.1/7

Left: -6.313+/-0.076 χ^2/NDF : 2733.3/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -5.366+/-0.106 χ^2/NDF :867.1/7
 Out: -7.309+/-0.109 χ^2/NDF :1703.2/8
 All: -6.313+/-0.076 χ^2/NDF : 2733.3/16

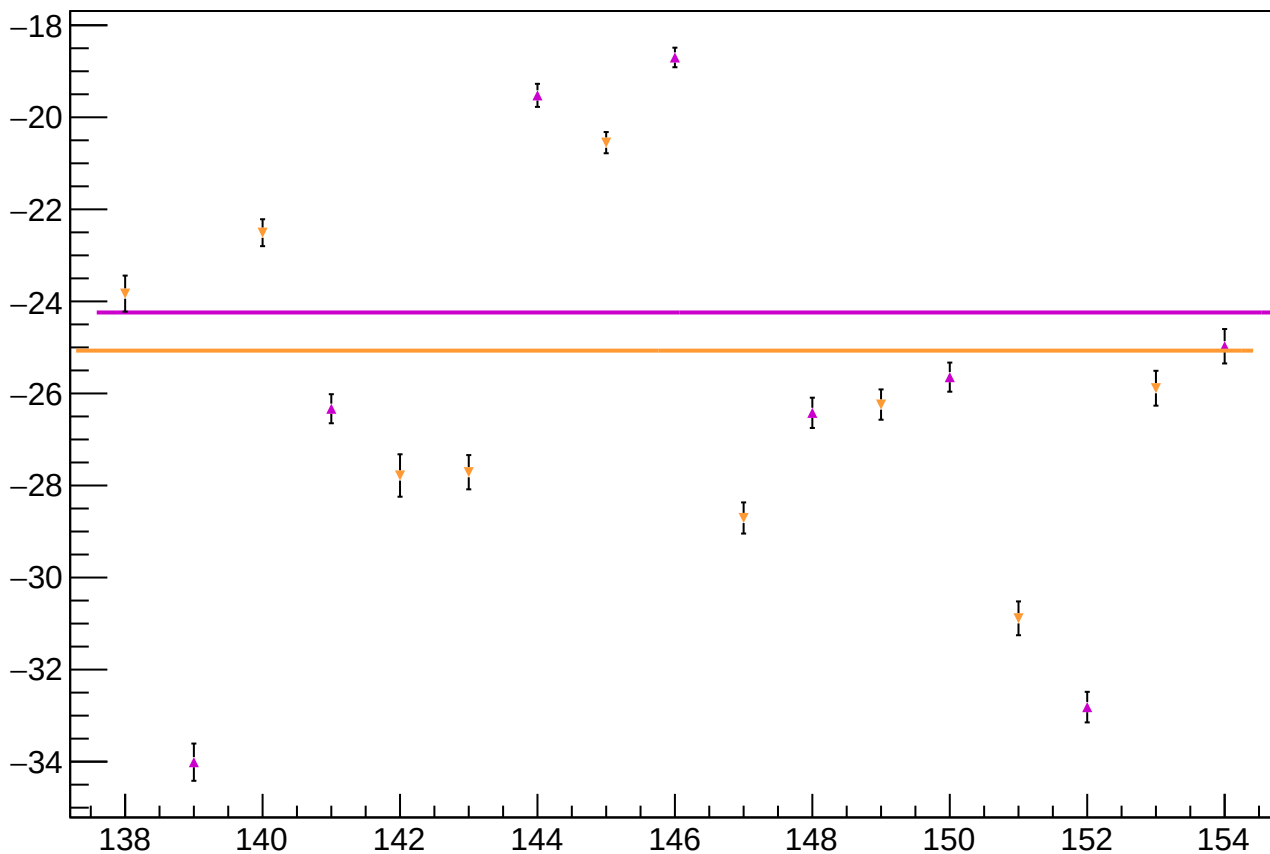
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 2.853+/-0.075 χ^2/NDF :305.8/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 1.973+/-0.072 χ^2/NDF :264.7/7

Left: 2.395+/-0.052 χ^2/NDF : 642.4/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 1.973+/-0.072 χ^2/NDF :264.7/7
 Out: 2.853+/-0.075 χ^2/NDF :305.8/8
 All: 2.395+/-0.052 χ^2/NDF : 642.4/16

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: -25.070+/-0.111 χ^2/NDF :939.9/8

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

Left In: -24.241+/-0.106 χ^2/NDF :2395.8/7

Left: -24.635+/-0.076 χ^2/NDF : 3365.0/16

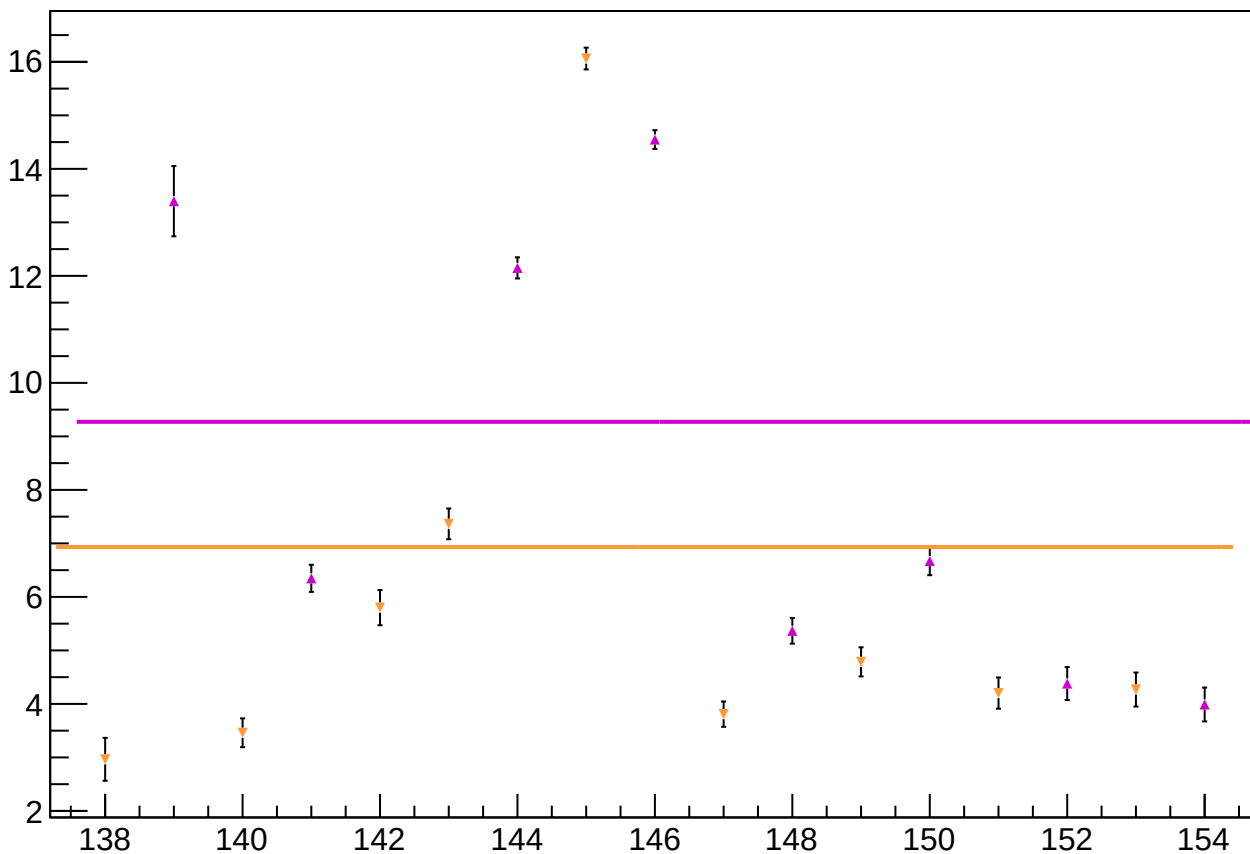
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -24.241+/-0.106 χ^2/NDF :2395.8/7

Out: -25.070+/-0.111 χ^2/NDF :939.9/8

All: -24.635+/-0.076 χ^2/NDF : 3365.0/16

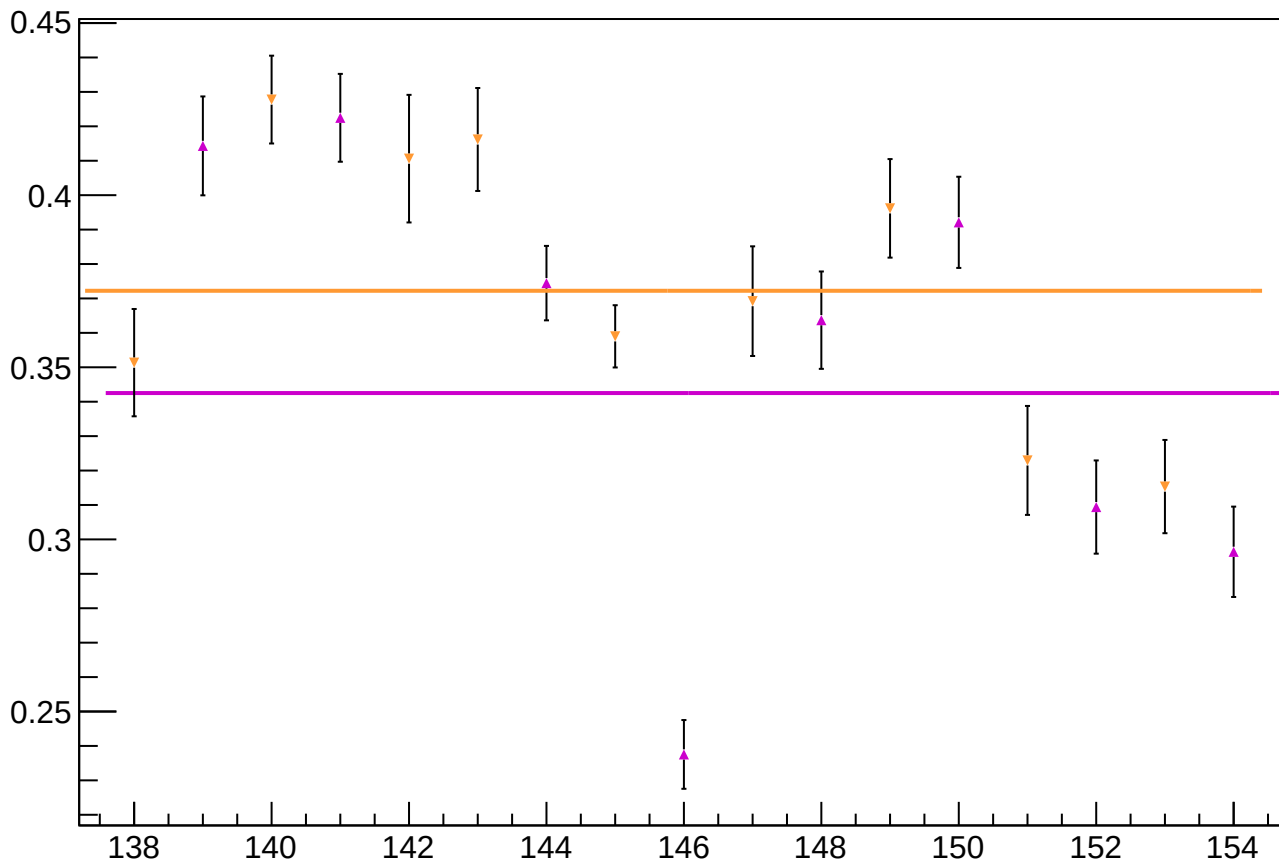
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 6.934+/-0.092 χ^2/NDF :2690.8/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 9.272+/-0.088 χ^2/NDF :2190.4/7

Left: 8.150+/-0.064 χ^2/NDF : 5218.7/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 9.272+/-0.088 χ^2/NDF :2190.4/7
 Out: 6.934+/-0.092 χ^2/NDF :2690.8/8
 All: 8.150+/-0.064 χ^2/NDF : 5218.7/16

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.372 $\pm$ 0.005 χ^2 /NDF:66.0/8

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.343 $\pm$ 0.004 χ^2 /NDF:218.0/7

Left: 0.357 $\pm$ 0.003 χ^2 /NDF: 306.0/16

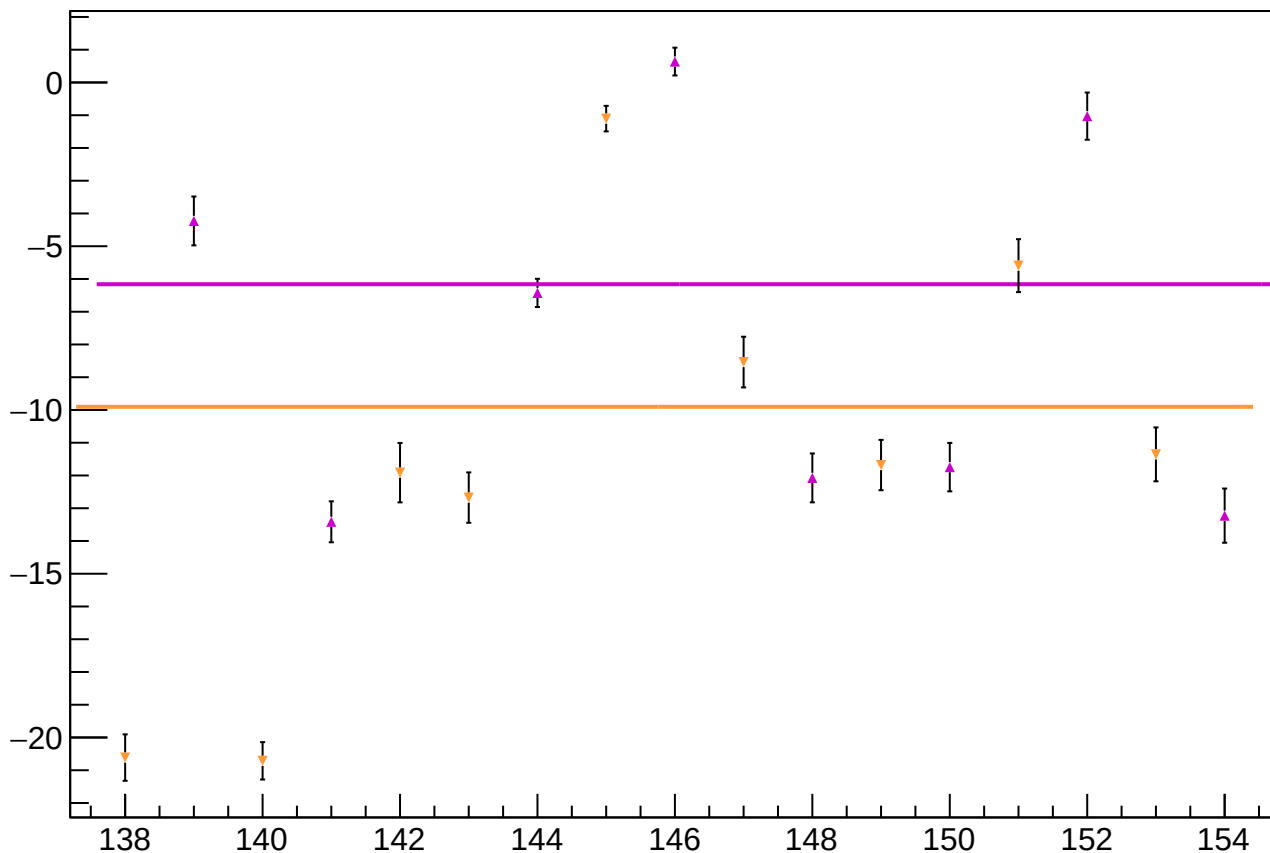
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 0.343 $\pm$ 0.004 χ^2 /NDF:218.0/7

Out: 0.372 $\pm$ 0.005 χ^2 /NDF:66.0/8

All: 0.357 $\pm$ 0.003 χ^2 /NDF: 306.0/16

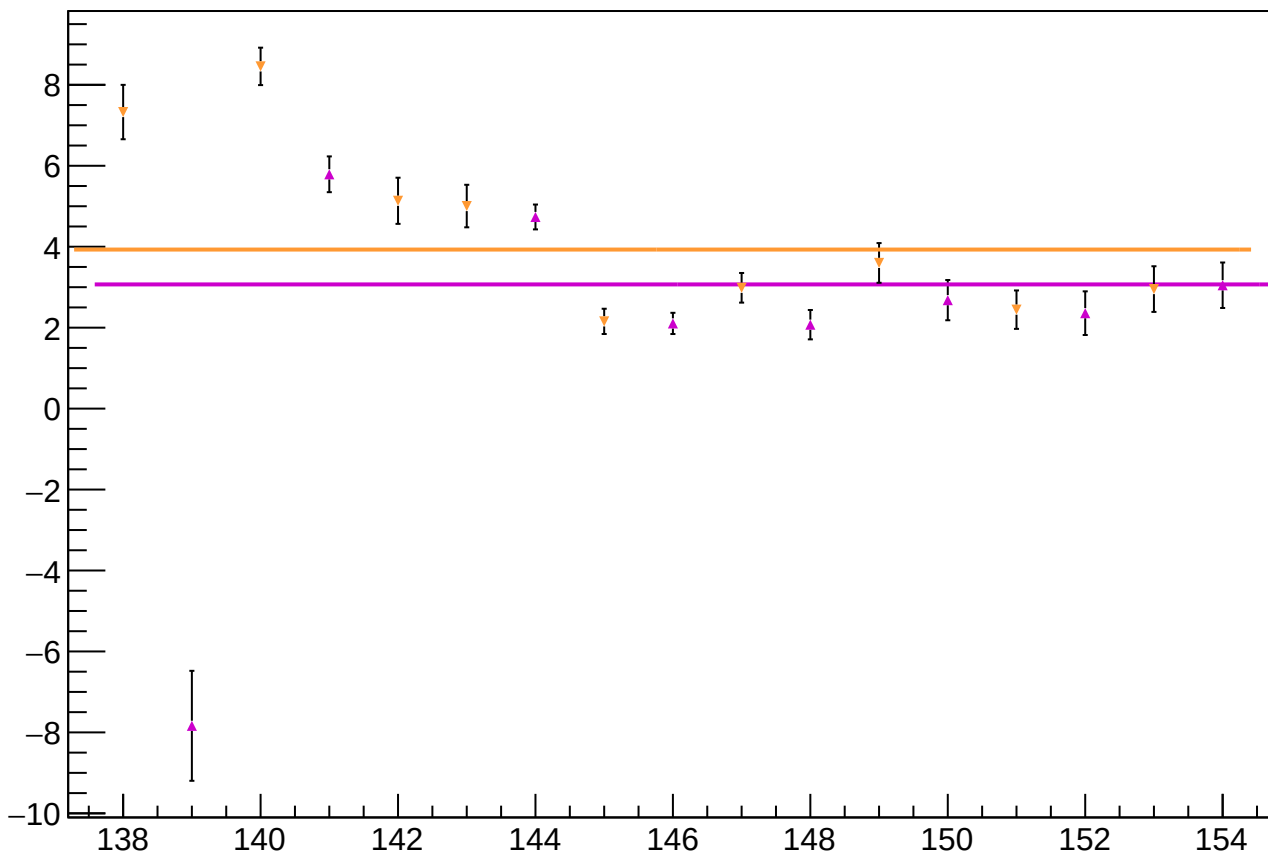
reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -9.904 $\pm$ 0.219 χ^2 /NDF:1153.0/8
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -6.161 $\pm$ 0.212 χ^2 /NDF:642.0/7

Left: -7.972 $\pm$ 0.152 χ^2 /NDF: 1946.2/16
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -6.161 $\pm$ 0.212 χ^2 /NDF:642.0/7
 Out: -9.904 $\pm$ 0.219 χ^2 /NDF:1153.0/8
 All: -7.972 $\pm$ 0.152 χ^2 /NDF: 1946.2/16

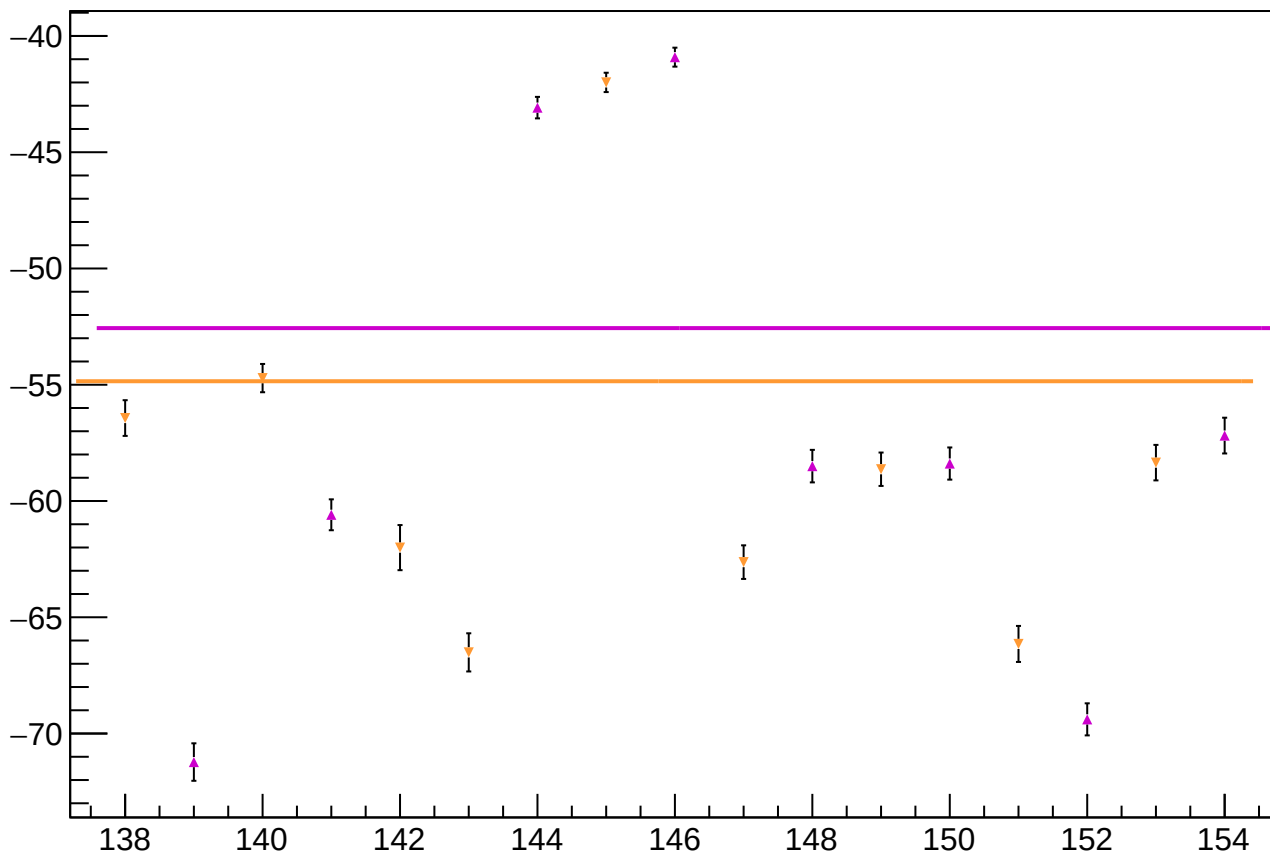
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 3.930+/-0.152 χ^2/NDF :182.3/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 3.069+/-0.143 χ^2/NDF :155.2/7

Left: 3.471+/-0.104 χ^2/NDF : 354.4/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 3.069+/-0.143 χ^2/NDF :155.2/7
 Out: 3.930+/-0.152 χ^2/NDF :182.3/8
 All: 3.471+/-0.104 χ^2/NDF : 354.4/16

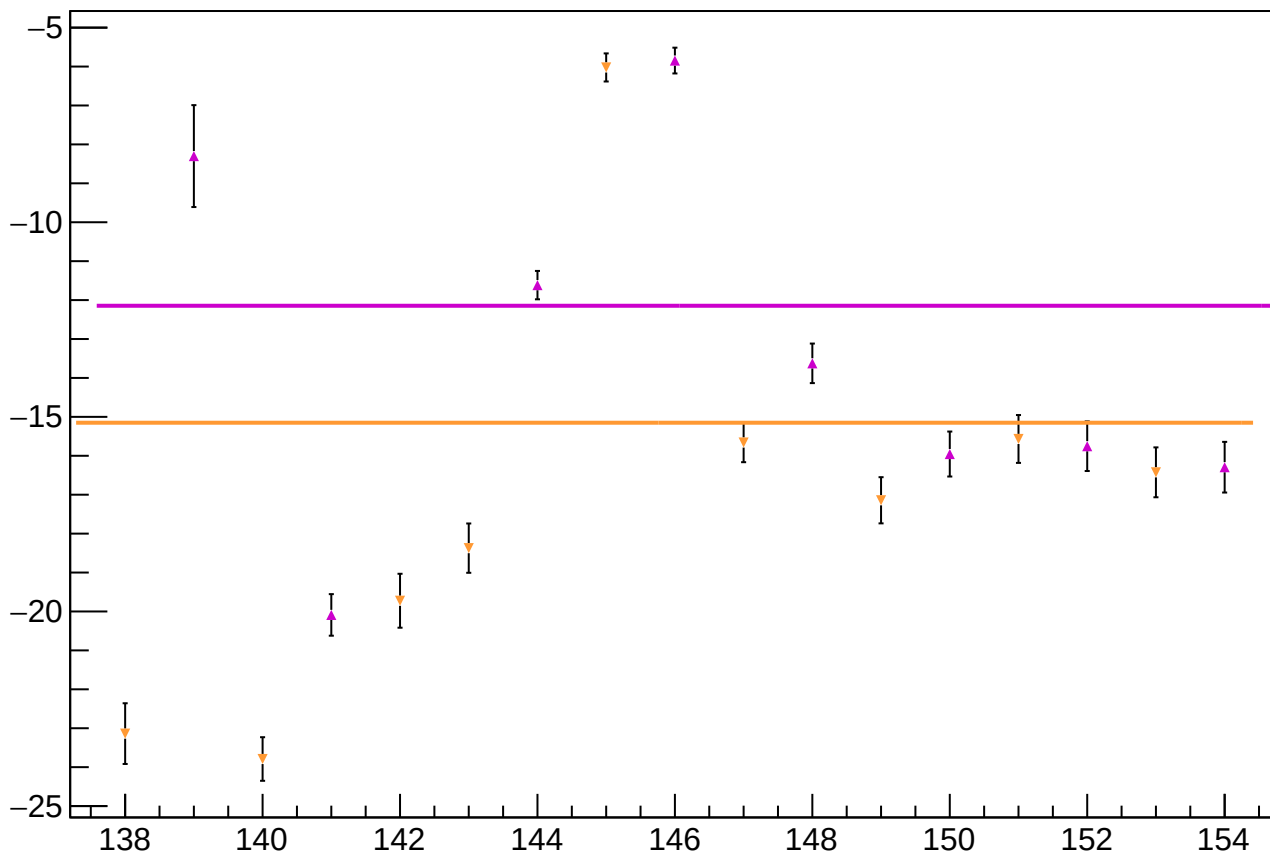
reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -54.849+/-0.224 χ^2/NDF :1592.8/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -52.564+/-0.211 χ^2/NDF :2693.4/7

Left: -53.641+/-0.154 χ^2/NDF : 4341.3/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -52.564+/-0.211 χ^2/NDF :2693.4/7
 Out: -54.849+/-0.224 χ^2/NDF :1592.8/8
 All: -53.641+/-0.154 χ^2/NDF : 4341.3/16

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



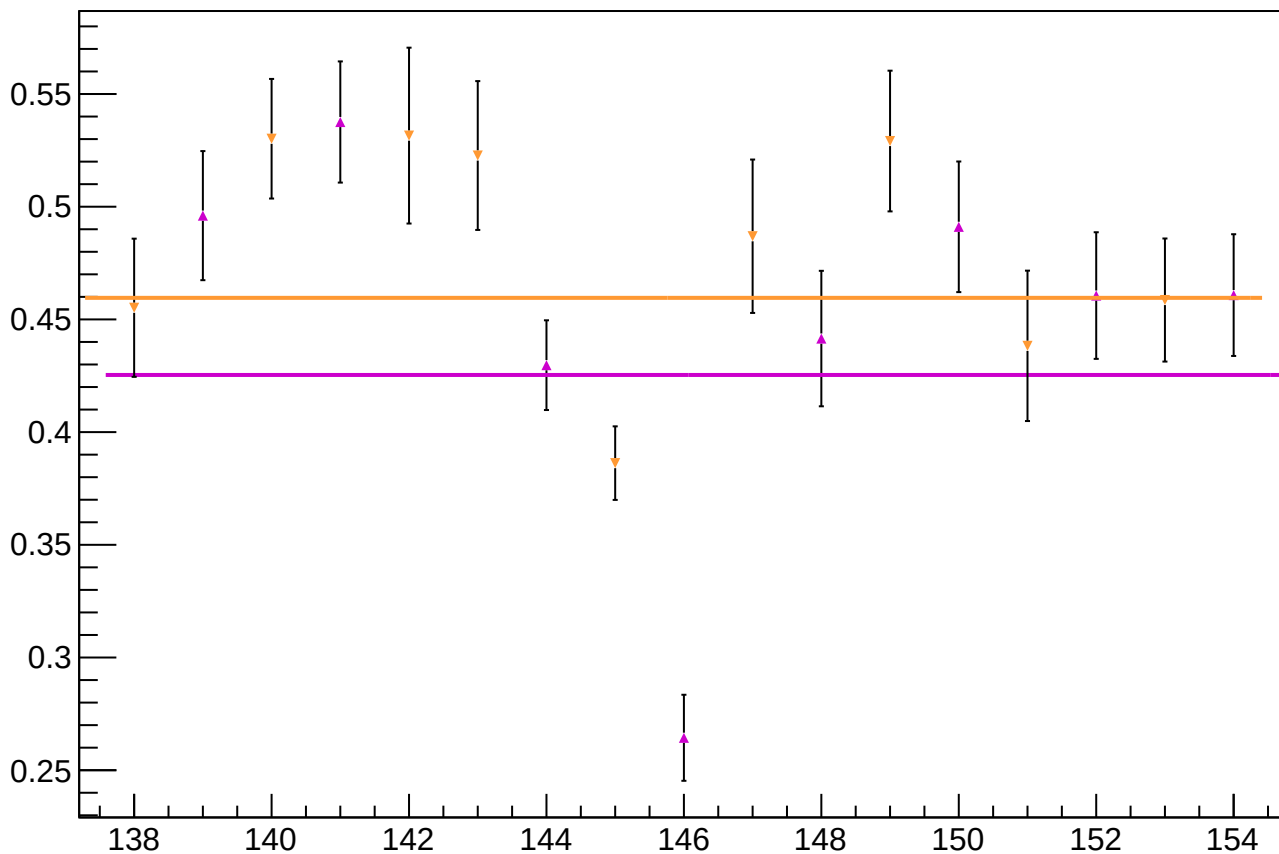
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -15.151+/-0.186 χ^2/NDF :1068.9/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -12.146+/-0.176 χ^2/NDF :718.5/7

Left: -13.562+/-0.128 χ^2/NDF : 1925.5/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -12.146+/-0.176 χ^2/NDF :718.5/7
 Out: -15.151+/-0.186 χ^2/NDF :1068.9/8

All: -13.562+/-0.128 χ^2/NDF : 1925.5/16

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 0.460 $\pm$ 0.009 χ^2 /NDF:40.4/8

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 0.425 $\pm$ 0.009 χ^2 /NDF:103.4/7

Left: 0.442 $\pm$ 0.006 χ^2 /NDF: 151.0/16

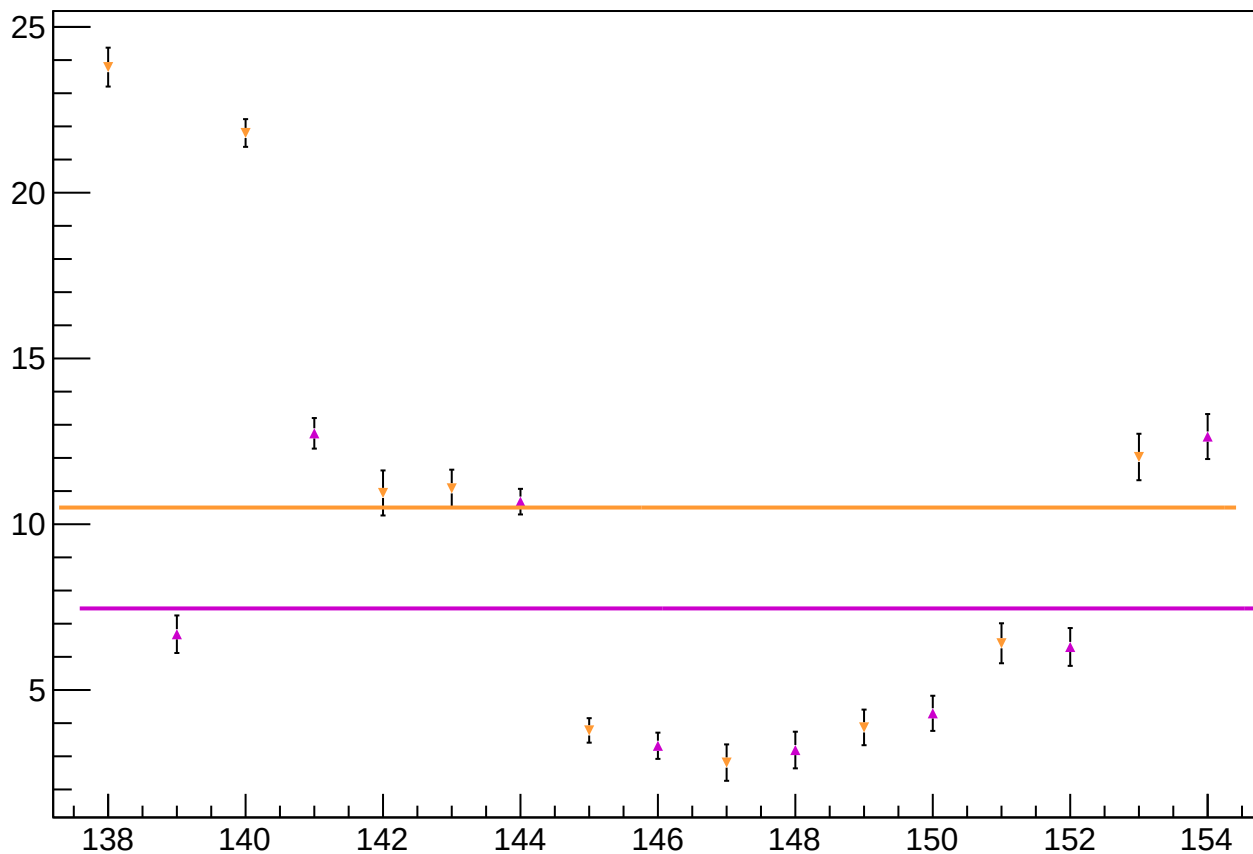
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 0.425 $\pm$ 0.009 χ^2 /NDF:103.4/7

Out: 0.460 $\pm$ 0.009 χ^2 /NDF:40.4/8

All: 0.442 $\pm$ 0.006 χ^2 /NDF: 151.0/16

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 10.504+/-0.174 χ^2/NDF :1974.4/8

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

Left In: 7.460+/-0.174 χ^2/NDF :470.1/7

Left: 8.979+/-0.123 χ^2/NDF : 2597.1/16

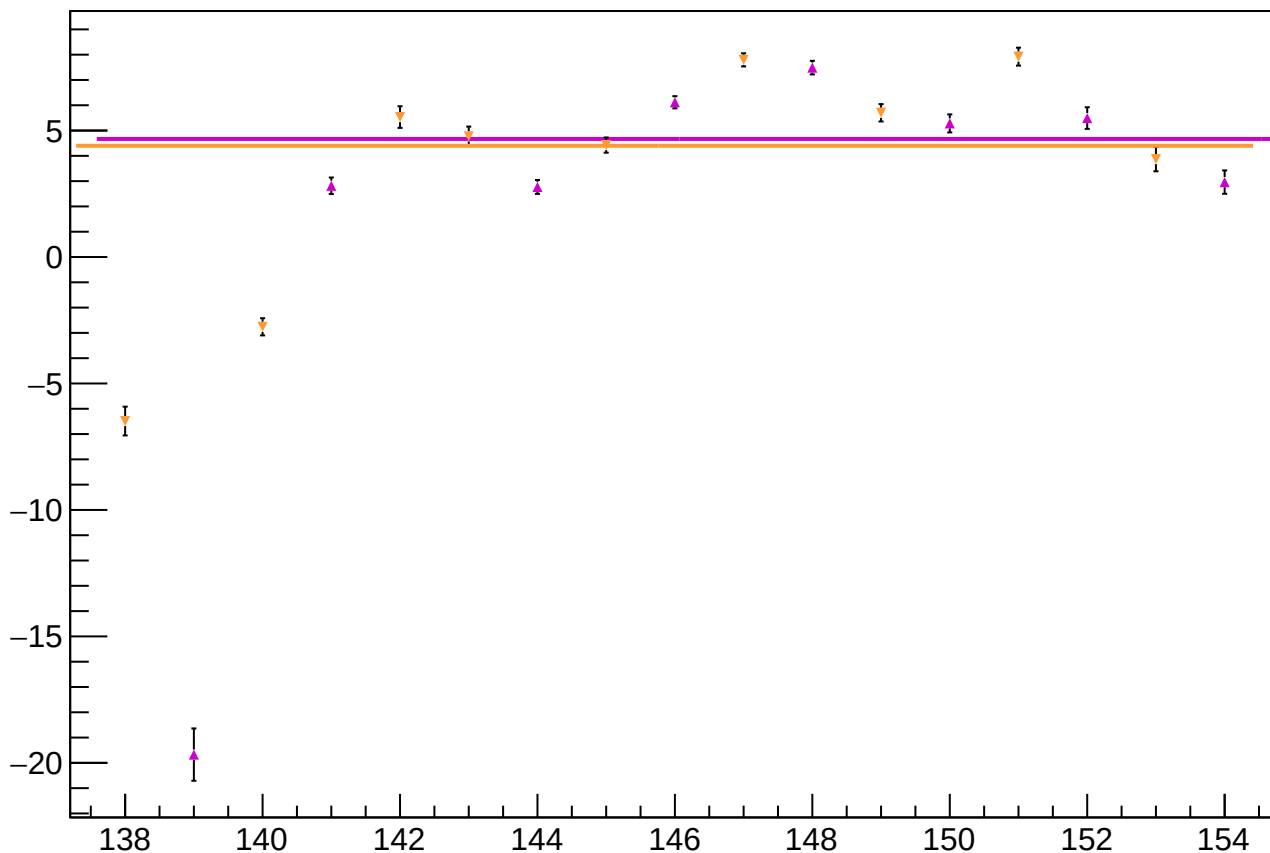
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 7.460+/-0.174 χ^2/NDF :470.1/7

Out: 10.504+/-0.174 χ^2/NDF :1974.4/8

All: 8.979+/-0.123 χ^2/NDF : 2597.1/16

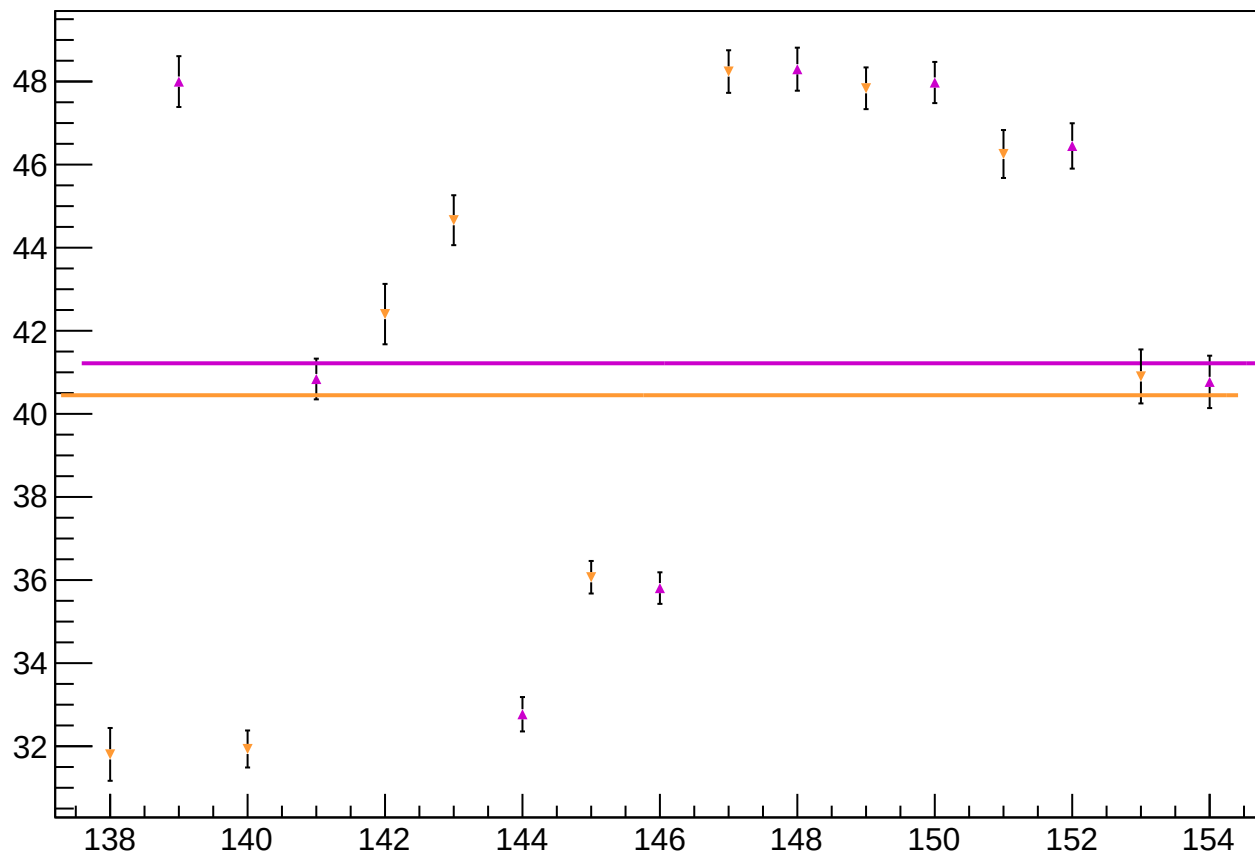
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.398 $\pm$ 0.119 χ^2 /NDF:1101.7/8
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.668 $\pm$ 0.117 χ^2 /NDF:798.3/7

Left: 4.535 $\pm$ 0.084 χ^2 /NDF: 1902.7/16
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 4.668 $\pm$ 0.117 χ^2 /NDF:798.3/7
 Out: 4.398 $\pm$ 0.119 χ^2 /NDF:1101.7/8
 All: 4.535 $\pm$ 0.084 χ^2 /NDF: 1902.7/16

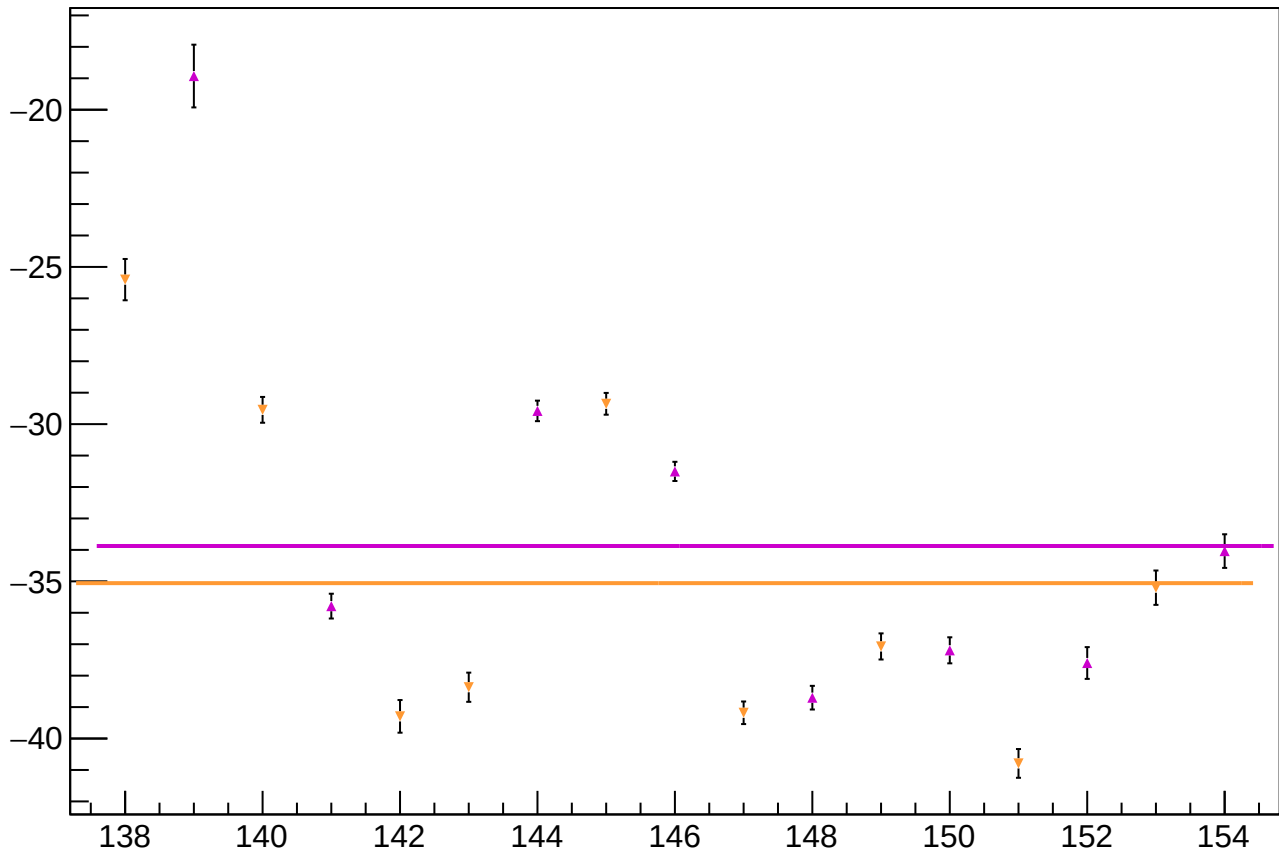
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 40.449+/-0.177 χ^2/NDF :1280.9/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 41.218+/-0.173 χ^2/NDF :1208.3/7

Left: 40.842+/-0.124 χ^2/NDF : 2498.9/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 41.218+/-0.173 χ^2/NDF :1208.3/7
 Out: 40.449+/-0.177 χ^2/NDF :1280.9/8
 All: 40.842+/-0.124 χ^2/NDF : 2498.9/16

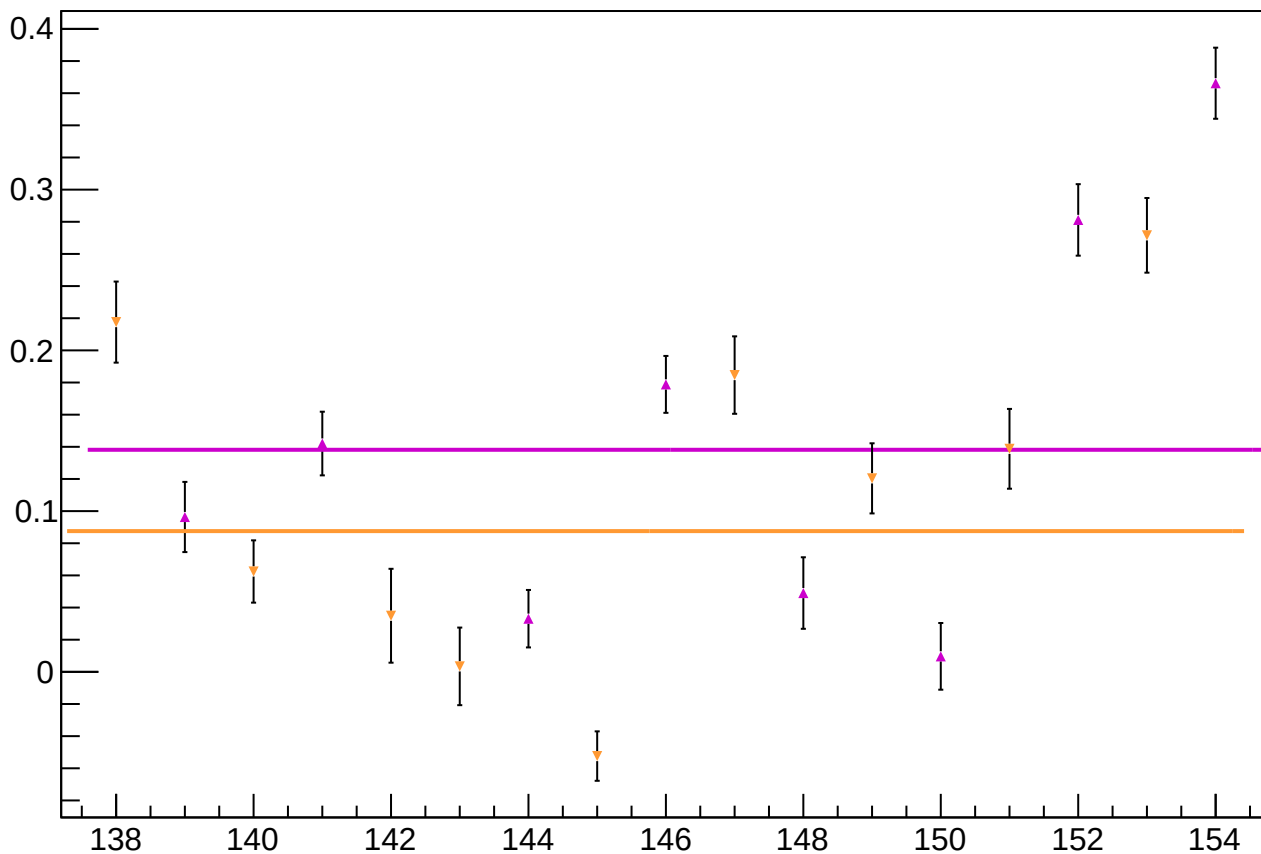
reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -35.058+/-0.146 χ^2/NDF :1097.0/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -33.876+/-0.145 χ^2/NDF :764.5/7

Left: -34.459+/-0.103 χ^2/NDF : 1894.5/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -33.876+/-0.145 χ^2/NDF :764.5/7
 Out: -35.058+/-0.146 χ^2/NDF :1097.0/8
 All: -34.459+/-0.103 χ^2/NDF : 1894.5/16

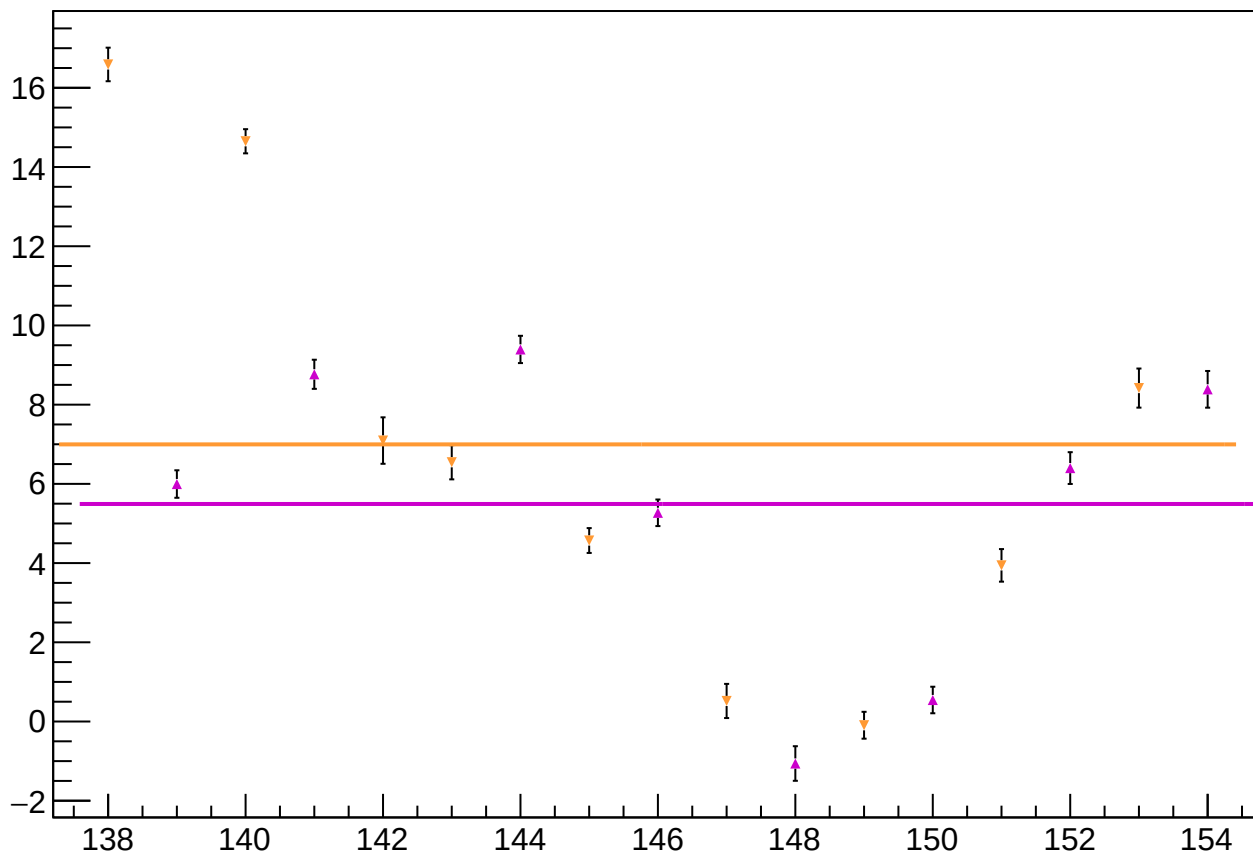
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.088 $\pm$ 0.007 χ^2 /NDF:212.0/8
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.138 $\pm$ 0.007 χ^2 /NDF:245.6/7

Left: 0.113 $\pm$ 0.005 χ^2 /NDF: 481.9/16
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.138 $\pm$ 0.007 χ^2 /NDF:245.6/7
 Out: 0.088 $\pm$ 0.007 χ^2 /NDF:212.0/8
 All: 0.113 $\pm$ 0.005 χ^2 /NDF: 481.9/16

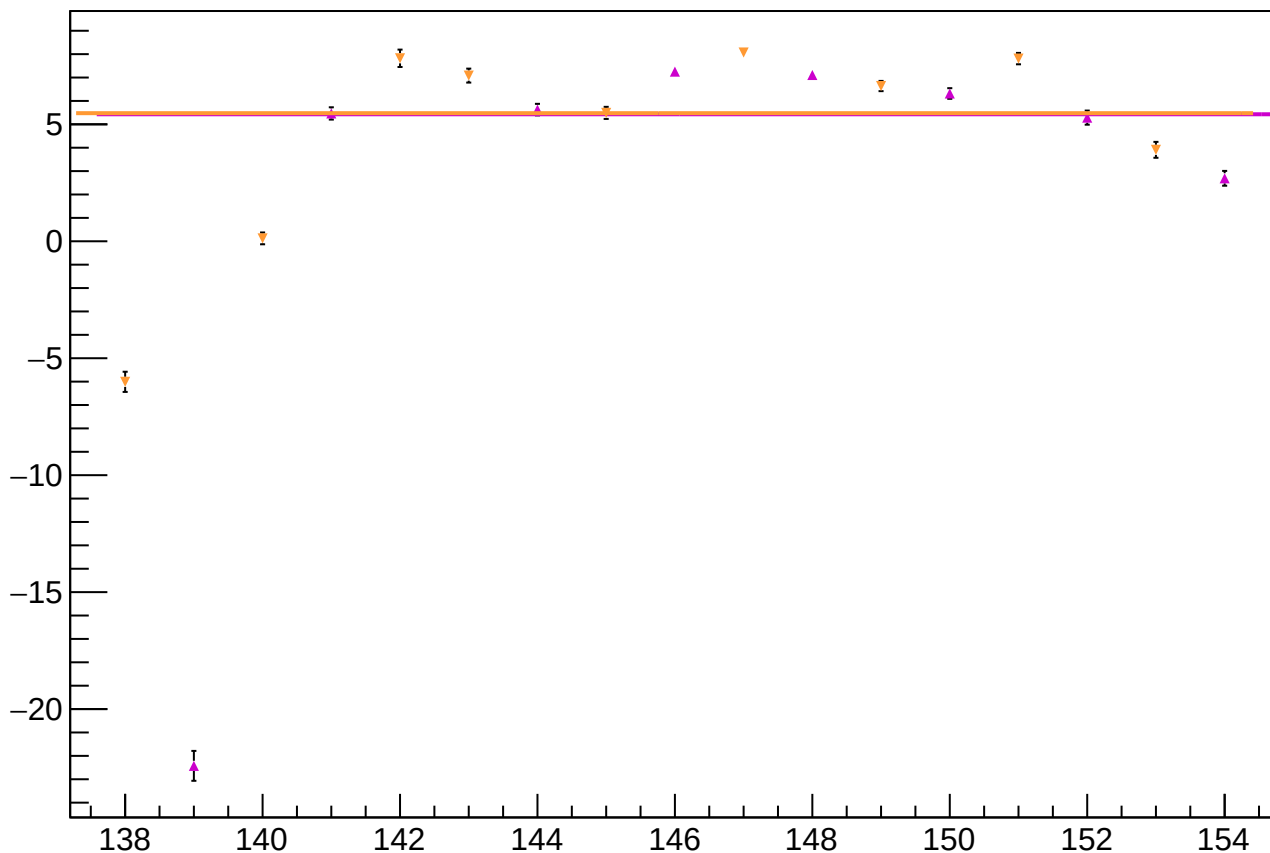
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 6.997+/-0.130 χ^2/NDF :1928.7/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 5.492+/-0.131 χ^2/NDF :697.7/7

Left: 6.250+/-0.093 χ^2/NDF : 2692.5/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 5.492+/-0.131 χ^2/NDF :697.7/7
 Out: 6.997+/-0.130 χ^2/NDF :1928.7/8
 All: 6.250+/-0.093 χ^2/NDF : 2692.5/16

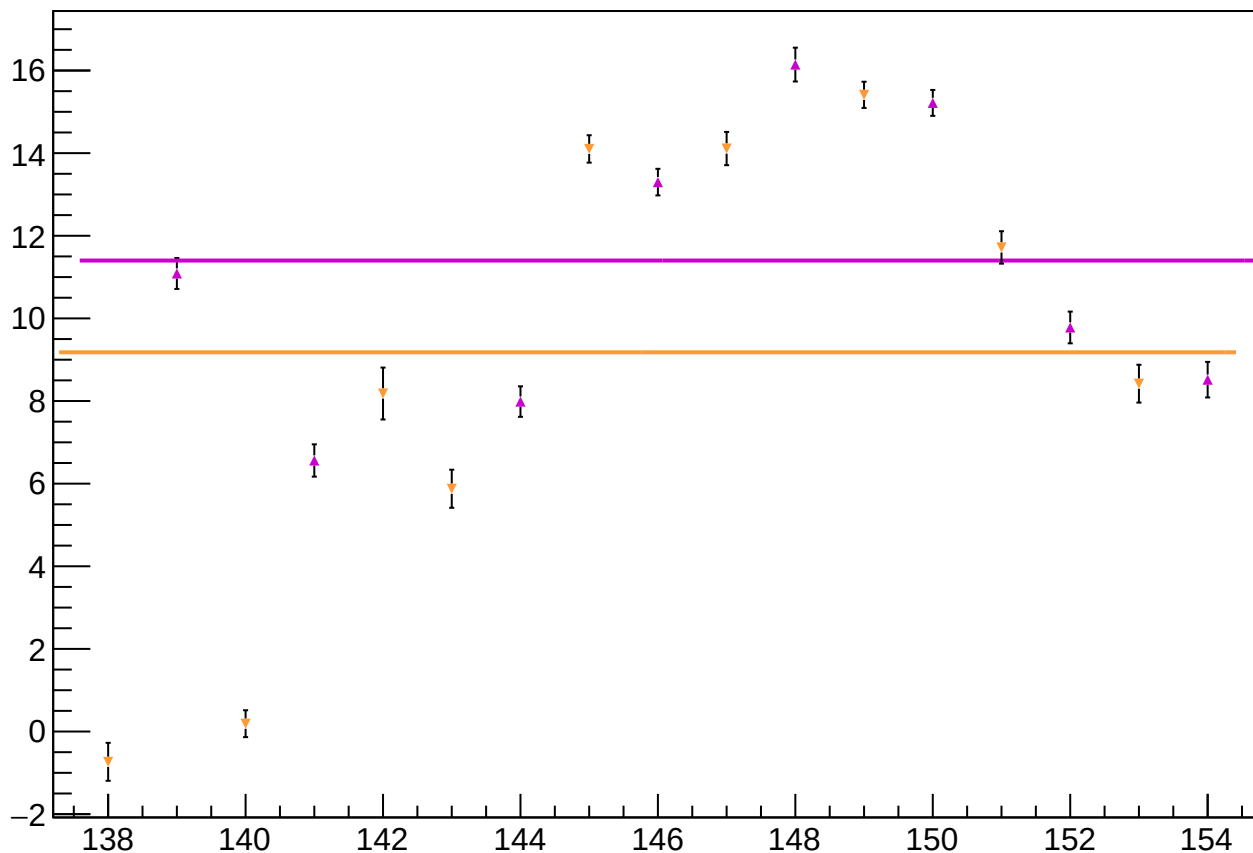
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.477 $\pm$ 0.090 χ^2 /NDF:1523.3/8
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 5.430 $\pm$ 0.092 χ^2 /NDF:2125.2/7

Left: 5.454 $\pm$ 0.064 χ^2 /NDF: 3648.6/16
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 5.430 $\pm$ 0.092 χ^2 /NDF:2125.2/7
 Out: 5.477 $\pm$ 0.090 χ^2 /NDF:1523.3/8
 All: 5.454 $\pm$ 0.064 χ^2 /NDF: 3648.6/16

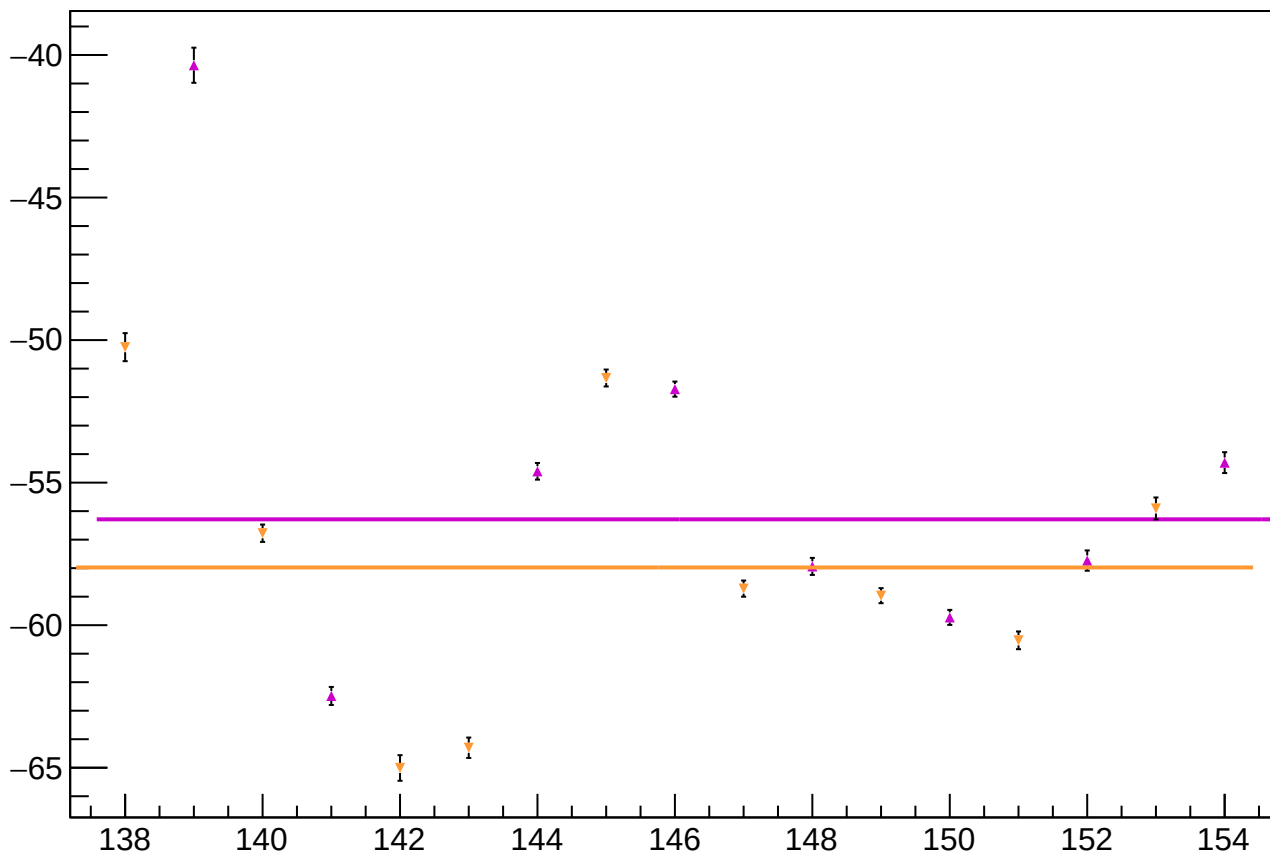
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 9.180 $\pm$ 0.131 χ^2 /NDF:2084.2/8
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 11.400 $\pm$ 0.130 χ^2 /NDF:619.2/7

Left: 10.300 $\pm$ 0.093 χ^2 /NDF: 2847.5/16
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 11.400 $\pm$ 0.130 χ^2 /NDF:619.2/7
 Out: 9.180 $\pm$ 0.131 χ^2 /NDF:2084.2/8
 All: 10.300 $\pm$ 0.093 χ^2 /NDF: 2847.5/16

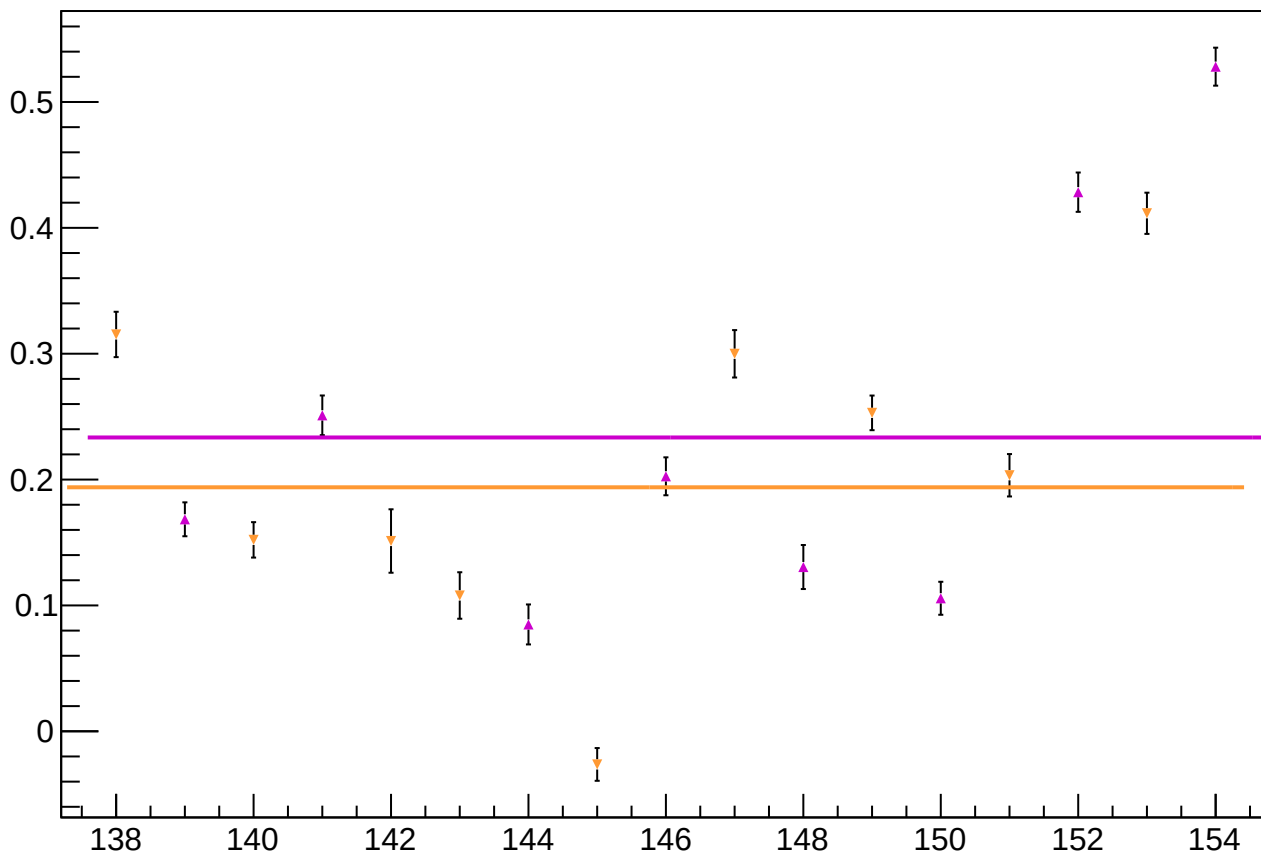
reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -57.976+/-0.110 χ^2/NDF :1437.2/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -56.287+/-0.112 χ^2/NDF :1630.1/7

Left: -57.149+/-0.078 χ^2/NDF : 3183.1/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -56.287+/-0.112 χ^2/NDF :1630.1/7
 Out: -57.976+/-0.110 χ^2/NDF :1437.2/8
 All: -57.149+/-0.078 χ^2/NDF : 3183.1/16

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: 0.194+/-0.005 χ^2/NDF : 592.4/8

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

Left In: 0.233+/-0.005 χ^2/NDF : 782.7/7

Left: 0.214+/-0.004 χ^2/NDF : 1402.2/16

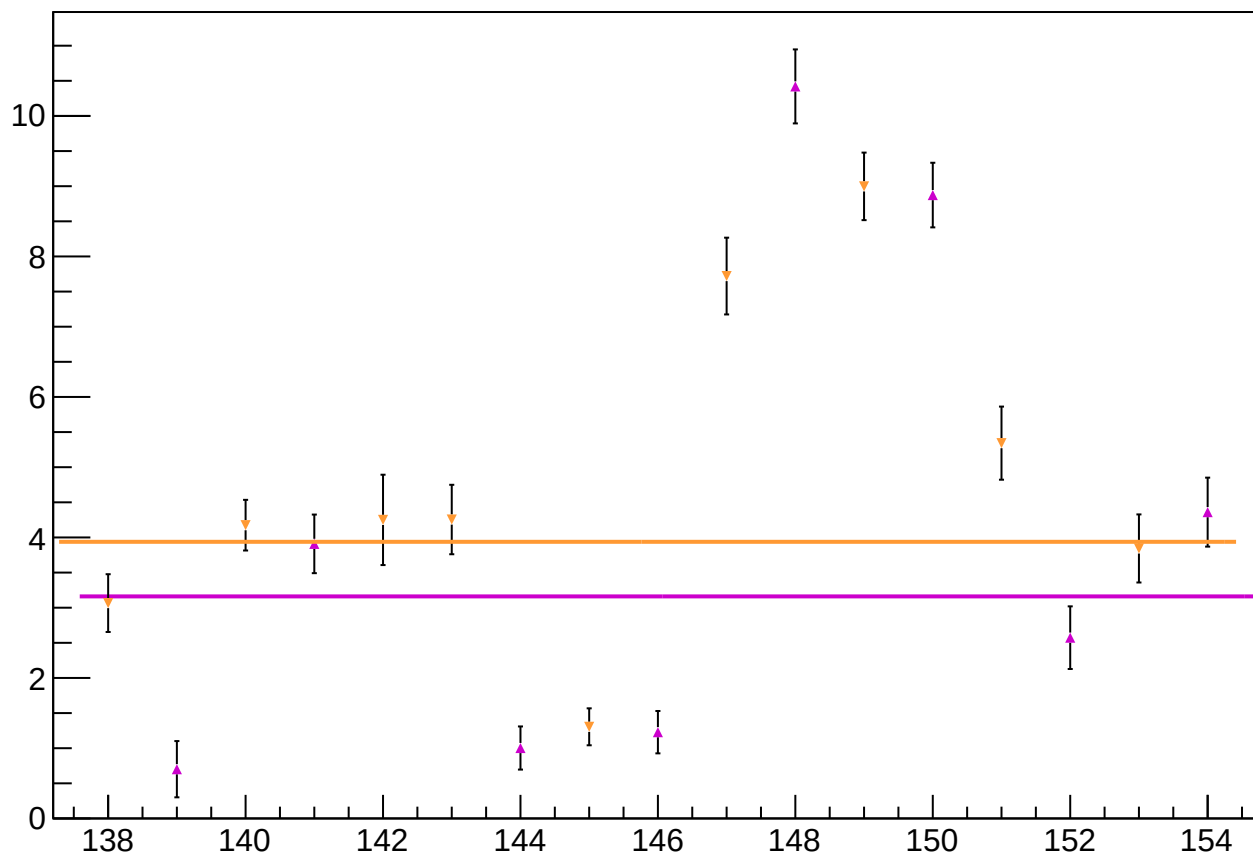
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.233+/-0.005 χ^2/NDF : 782.7/7

Out: 0.194+/-0.005 χ^2/NDF : 592.4/8

All: 0.214+/-0.004 χ^2/NDF : 1402.2/16

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 3.938+/-0.141 χ^2/NDF :271.9/8

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

Left In: 3.161+/-0.140 χ^2/NDF :483.4/7

Left: 3.546+/-0.099 χ^2/NDF : 770.7/16

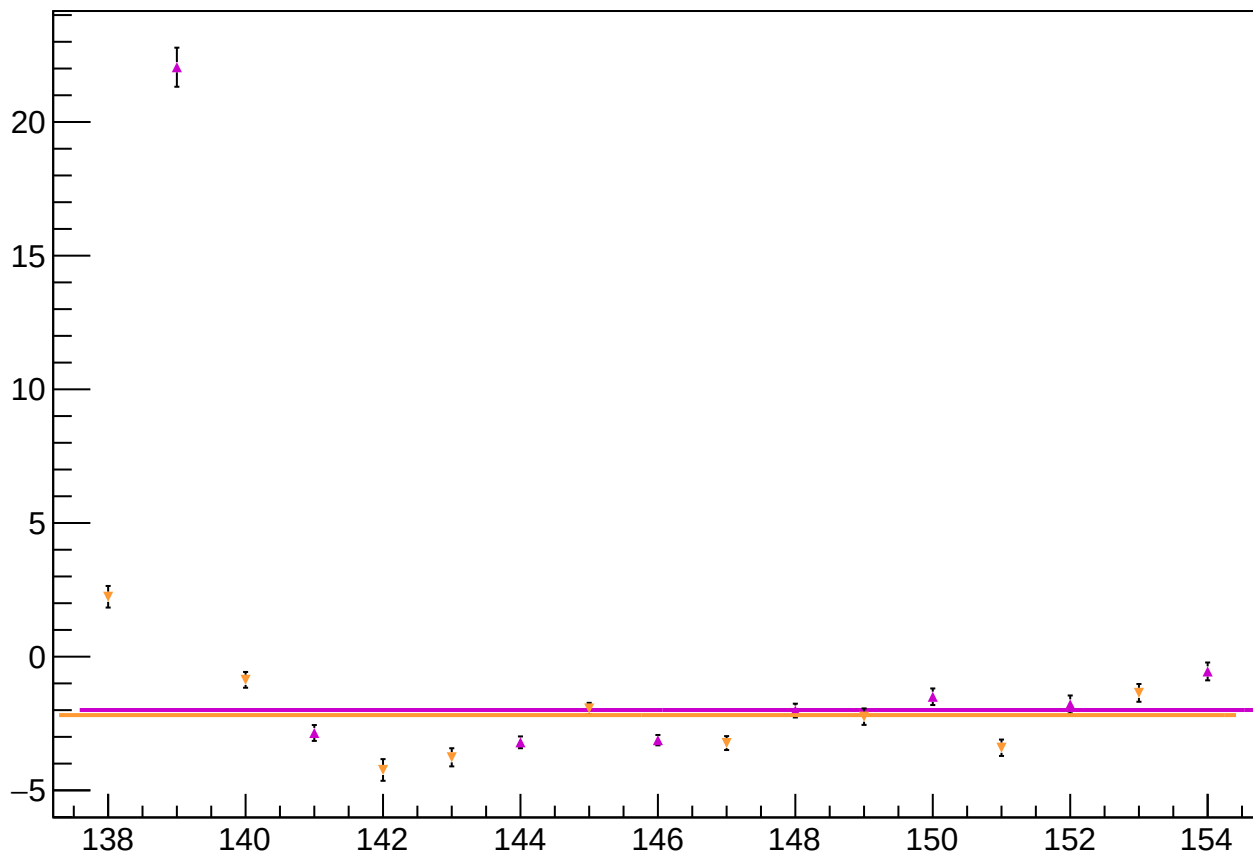
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 3.161+/-0.140 χ^2/NDF :483.4/7

Out: 3.938+/-0.141 χ^2/NDF :271.9/8

All: 3.546+/-0.099 χ^2/NDF : 770.7/16

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: -2.186+/-0.100 χ^2/NDF :226.9/8

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

Left In: -1.995+/-0.098 χ^2/NDF :1175.7/7

Left: -2.089+/-0.070 χ^2/NDF : 1404.5/16

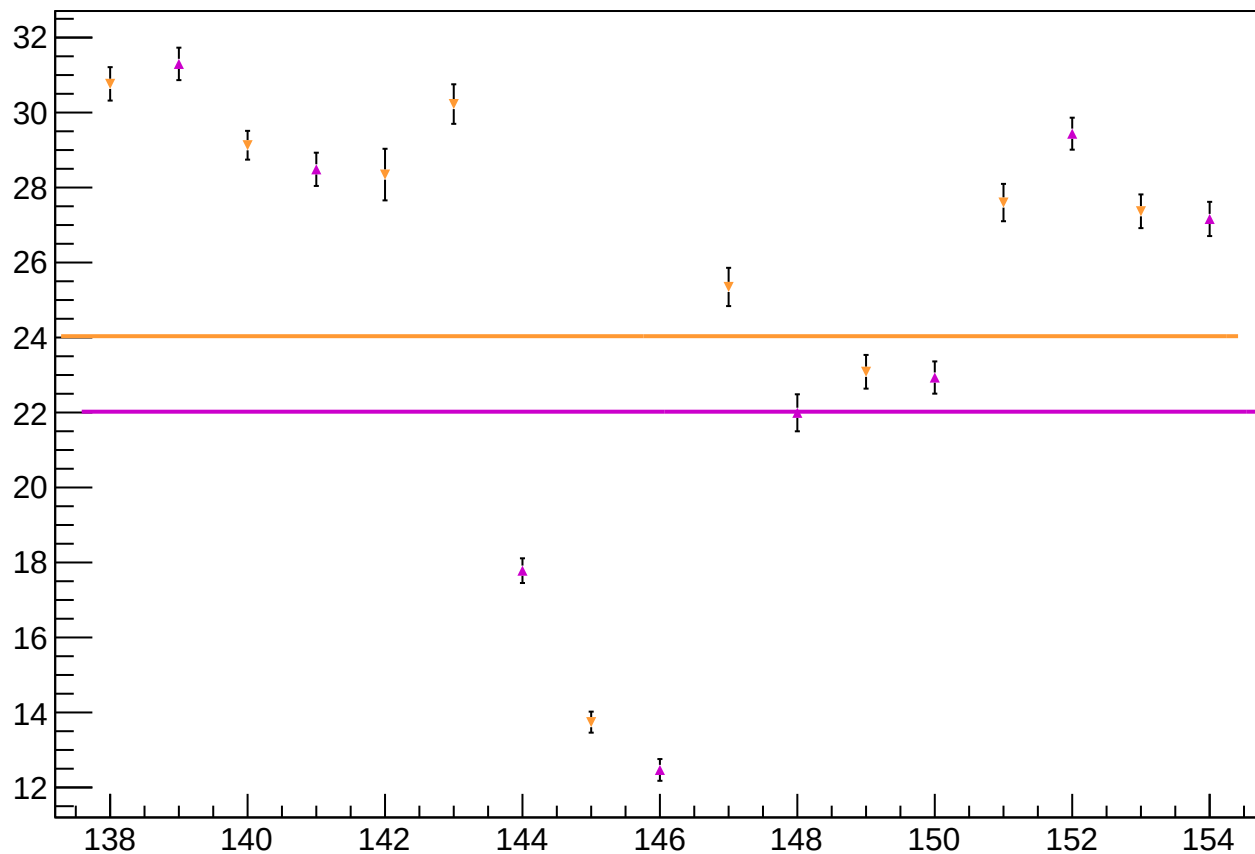
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1.995+/-0.098 χ^2/NDF :1175.7/7

Out: -2.186+/-0.100 χ^2/NDF :226.9/8

All: -2.089+/-0.070 χ^2/NDF : 1404.5/16

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: 24.035+/-0.144 χ^2/NDF :2046.1/8

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

Left In: 22.022+/-0.140 χ^2/NDF :2356.4/7

Left: 22.995+/-0.100 χ^2/NDF : 4503.1/16

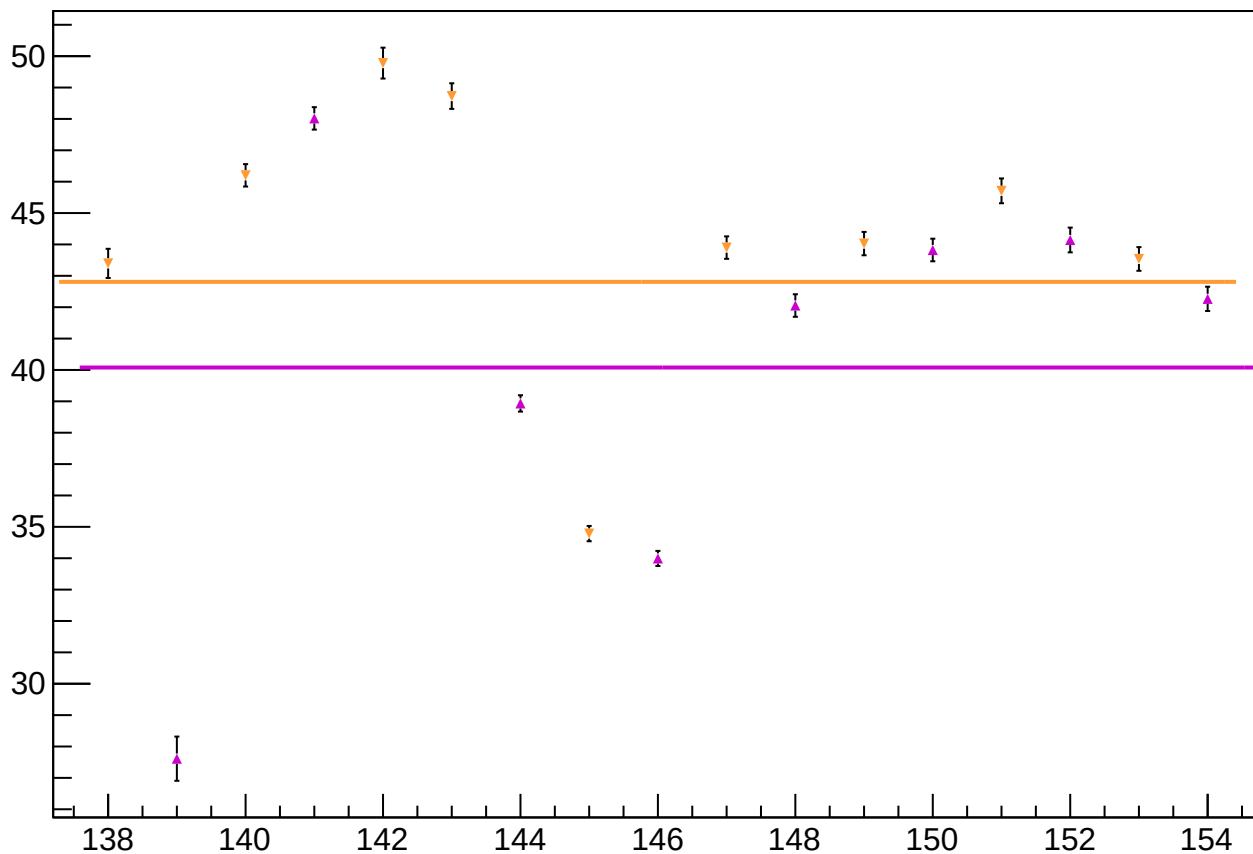
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 22.022+/-0.140 χ^2/NDF :2356.4/7

Out: 24.035+/-0.144 χ^2/NDF :2046.1/8

All: 22.995+/-0.100 χ^2/NDF : 4503.1/16

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 42.807+/-0.121 χ^2/NDF :1662.6/8

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

Left In: 40.078+/-0.119 χ^2/NDF :1742.1/7

Left: 41.418+/-0.085 χ^2/NDF : 3662.1/16

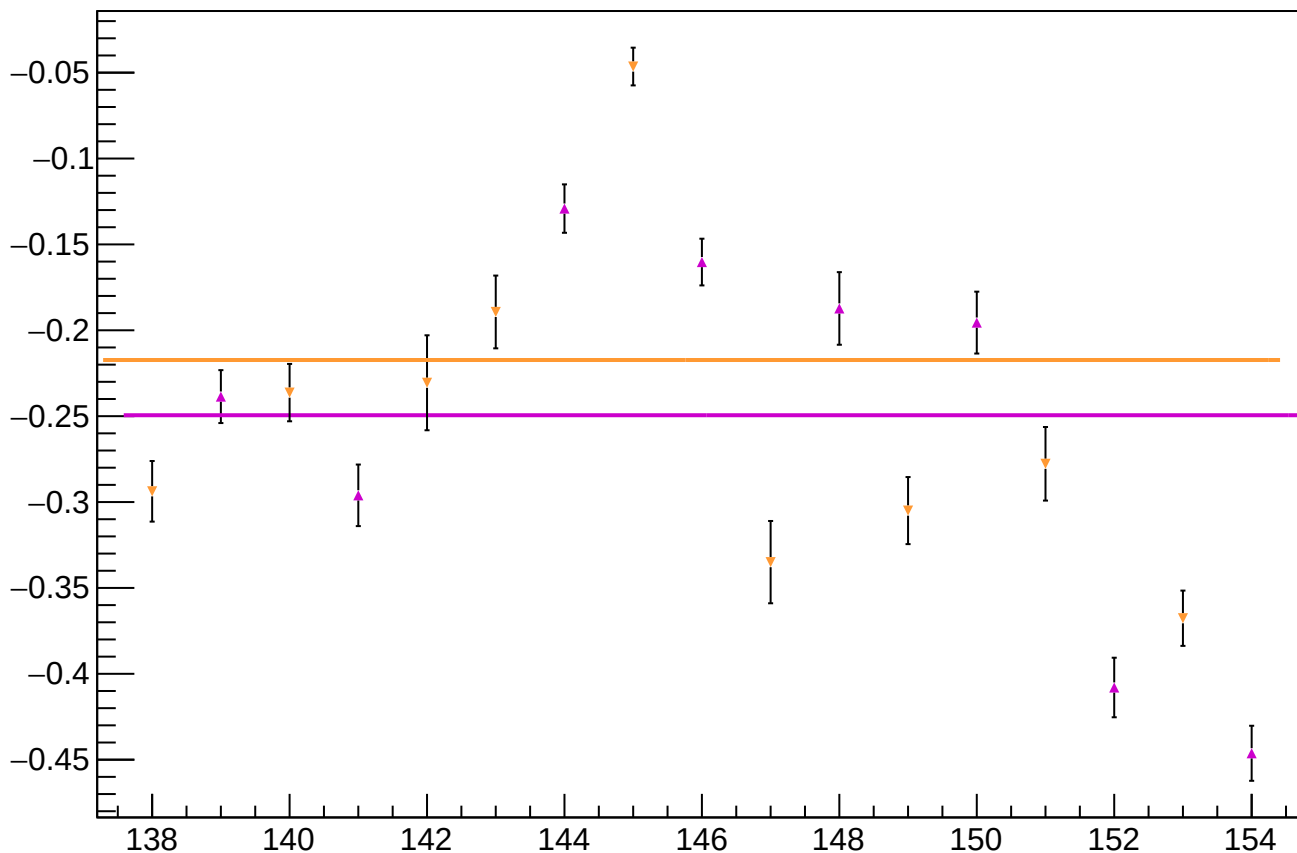
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 40.078+/-0.119 χ^2/NDF :1742.1/7

Out: 42.807+/-0.121 χ^2/NDF :1662.6/8

All: 41.418+/-0.085 χ^2/NDF : 3662.1/16

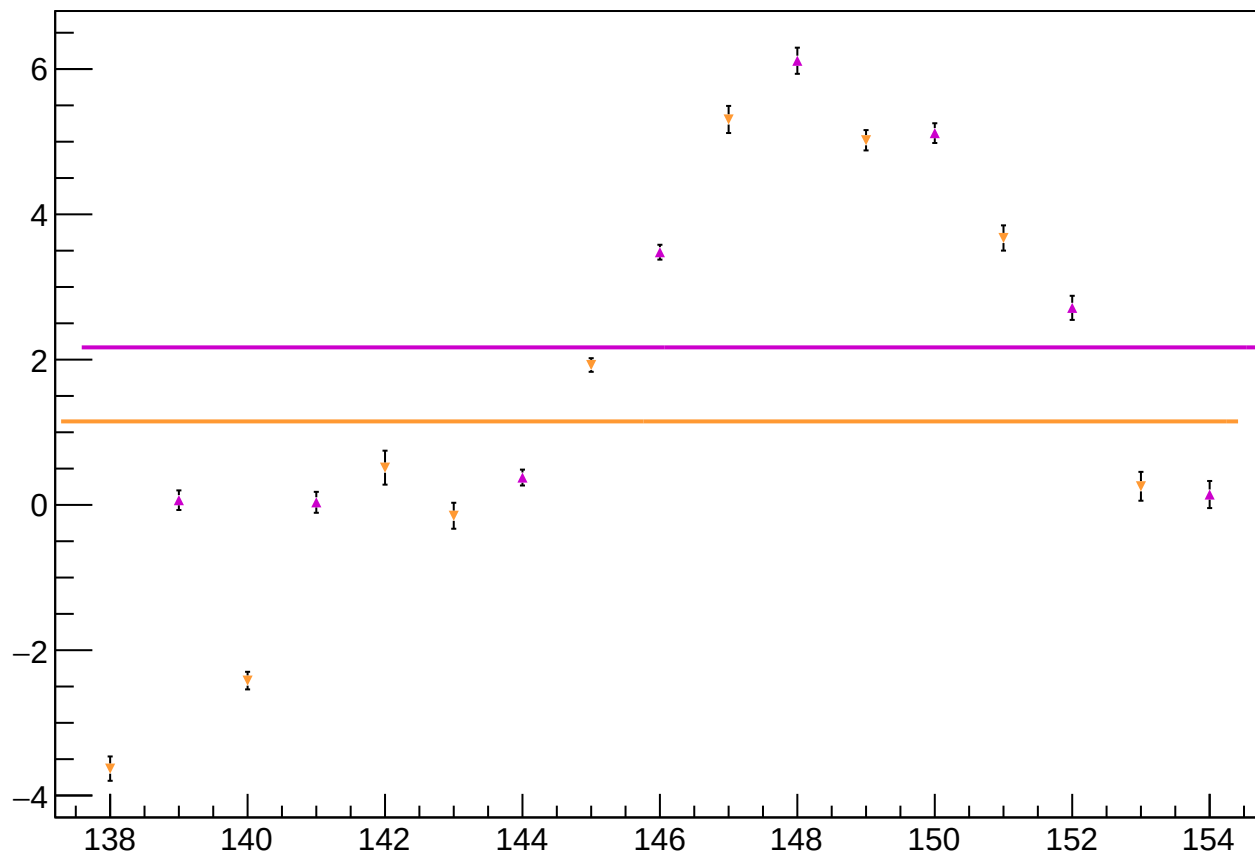
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.217+/-0.006 χ^2/NDF : 403.5/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.249+/-0.006 χ^2/NDF : 375.3/7

Left: -0.234+/-0.004 χ^2/NDF : 794.1/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.249+/-0.006 χ^2/NDF : 375.3/7
 Out: -0.217+/-0.006 χ^2/NDF : 403.5/8
 All: -0.234+/-0.004 χ^2/NDF : 794.1/16

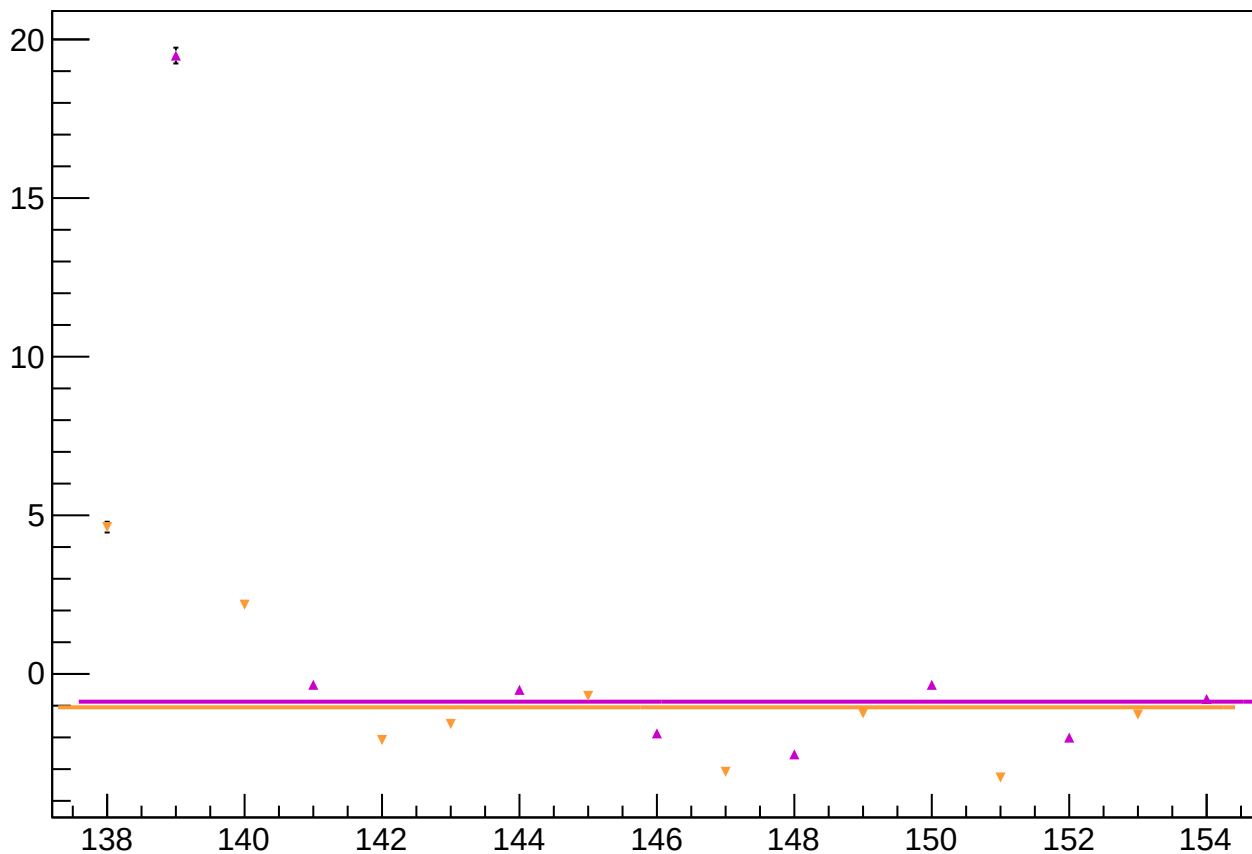
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 1.150 $\pm$ 0.050 χ^2 /NDF:3302.6/8
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 2.169 $\pm$ 0.048 χ^2 /NDF:1975.1/7

Left: 1.676 $\pm$ 0.035 χ^2 /NDF: 5494.9/16
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 2.169 $\pm$ 0.048 χ^2 /NDF:1975.1/7
 Out: 1.150 $\pm$ 0.050 χ^2 /NDF:3302.6/8
 All: 1.676 $\pm$ 0.035 χ^2 /NDF: 5494.9/16

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: -1.051 ± 0.035 χ^2/NDF : 3247.0/8

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -0.874 ± 0.034 χ^2/NDF : 7416.1/7

Left: -0.959 ± 0.024 χ^2/NDF : 10676.3/16

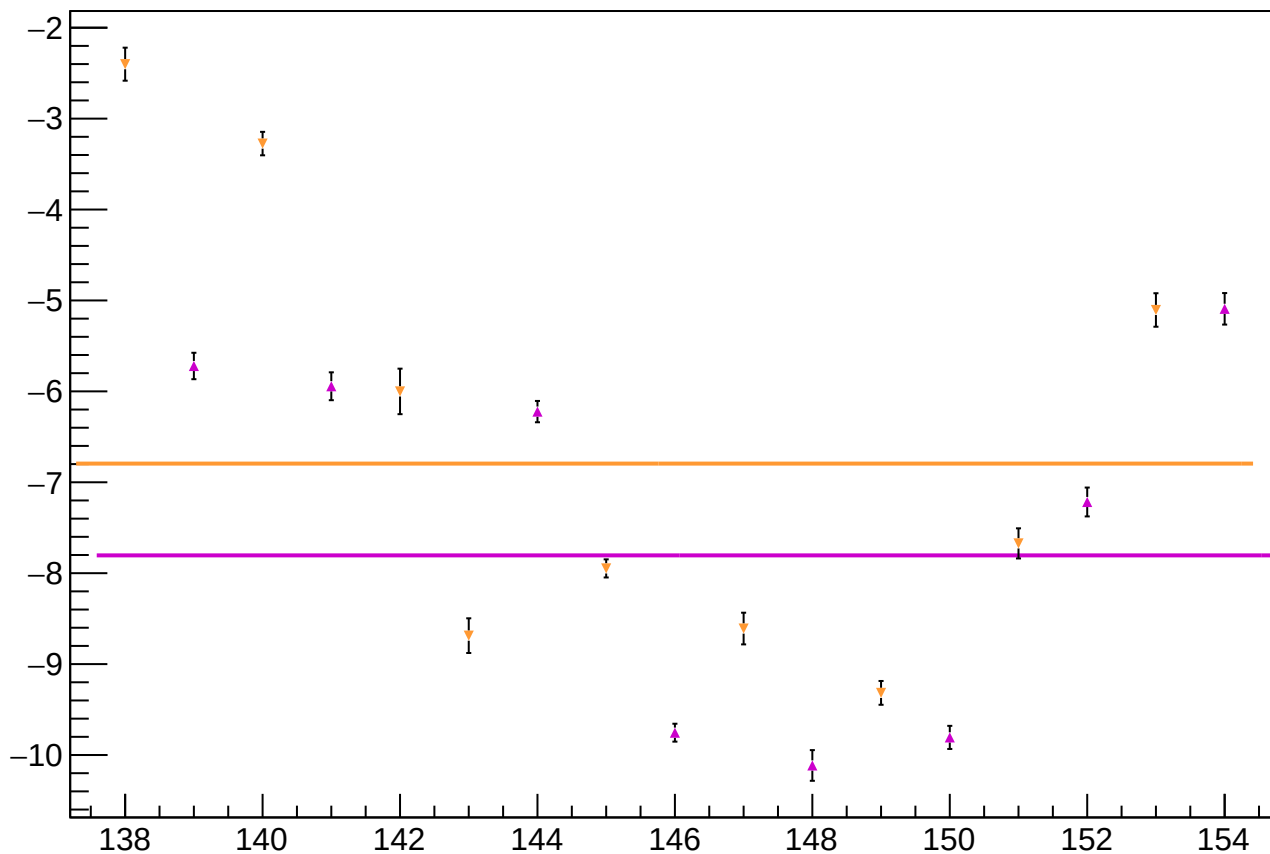
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -0.874 ± 0.034 χ^2/NDF : 7416.1/7

Out: -1.051 ± 0.035 χ^2/NDF : 3247.0/8

All: -0.959 ± 0.024 χ^2/NDF : 10676.3/16

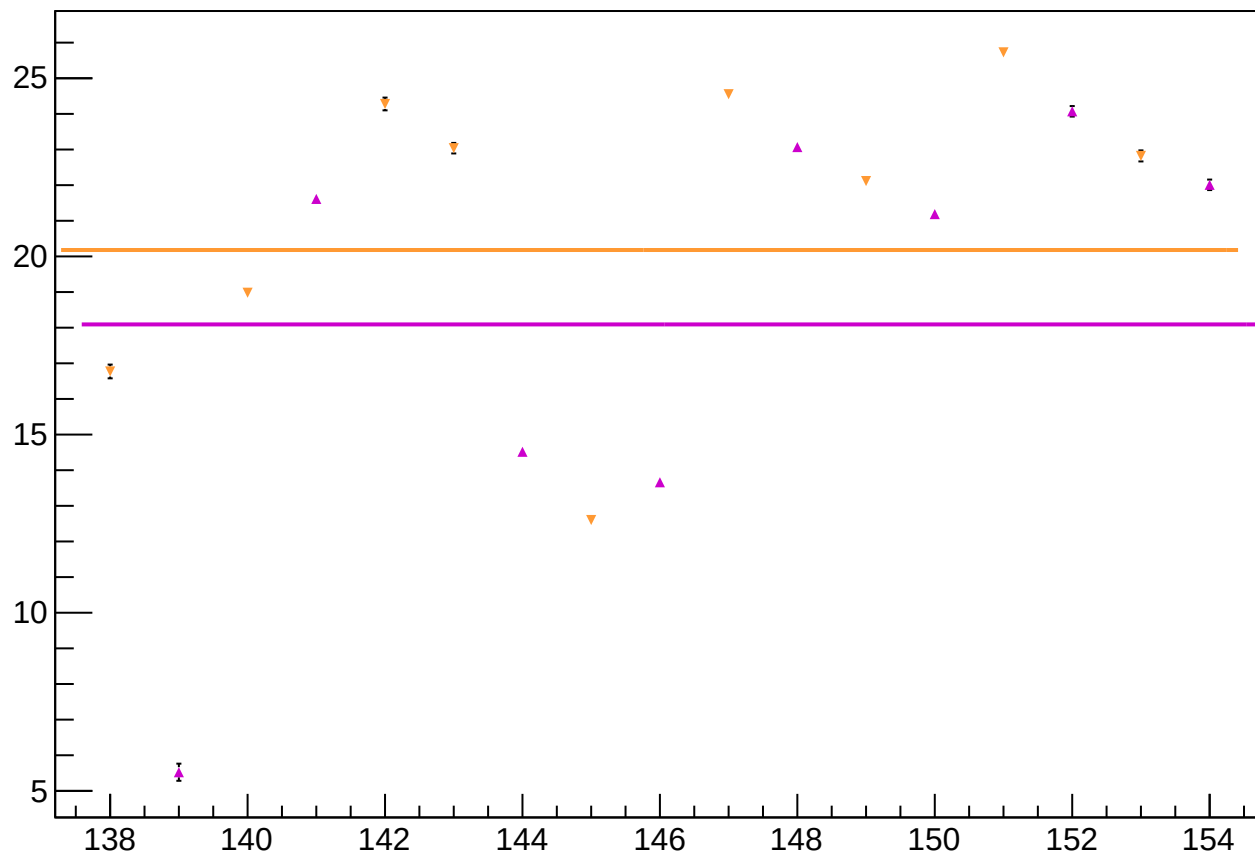
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -6.795+/-0.051 χ^2/NDF :2163.5/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -7.804+/-0.048 χ^2/NDF :1620.6/7

Left: -7.326+/-0.035 χ^2/NDF : 3994.3/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -7.804+/-0.048 χ^2/NDF :1620.6/7
 Out: -6.795+/-0.051 χ^2/NDF :2163.5/8
 All: -7.326+/-0.035 χ^2/NDF : 3994.3/16

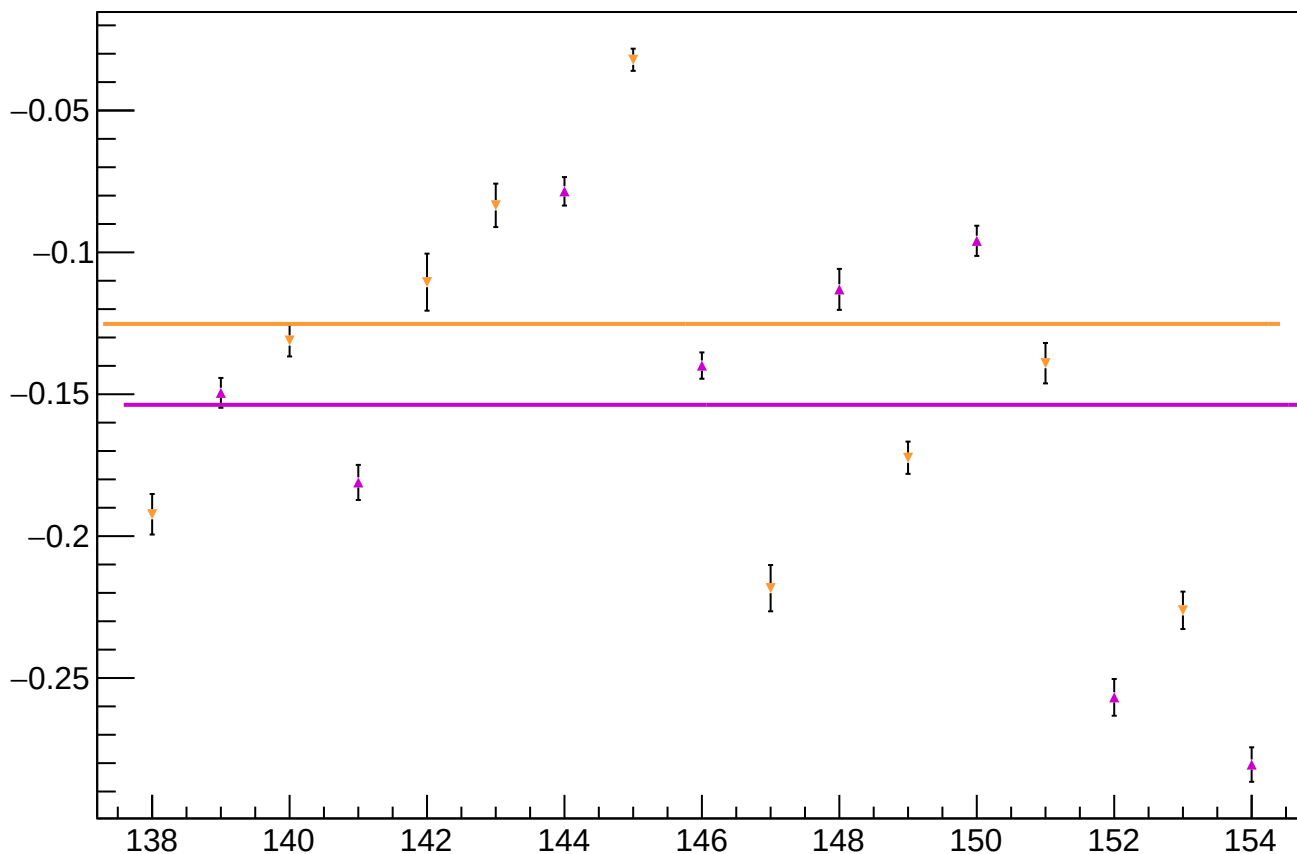
reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 20.180+/-0.043 χ^2/NDF :12343.0/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 18.092+/-0.041 χ^2/NDF :12744.3/7

Left: 19.099+/-0.030 χ^2/NDF : 26332.2/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 18.092+/-0.041 χ^2/NDF :12744.3/7
 Out: 20.180+/-0.043 χ^2/NDF :12343.0/8
 All: 19.099+/-0.030 χ^2/NDF : 26332.2/16

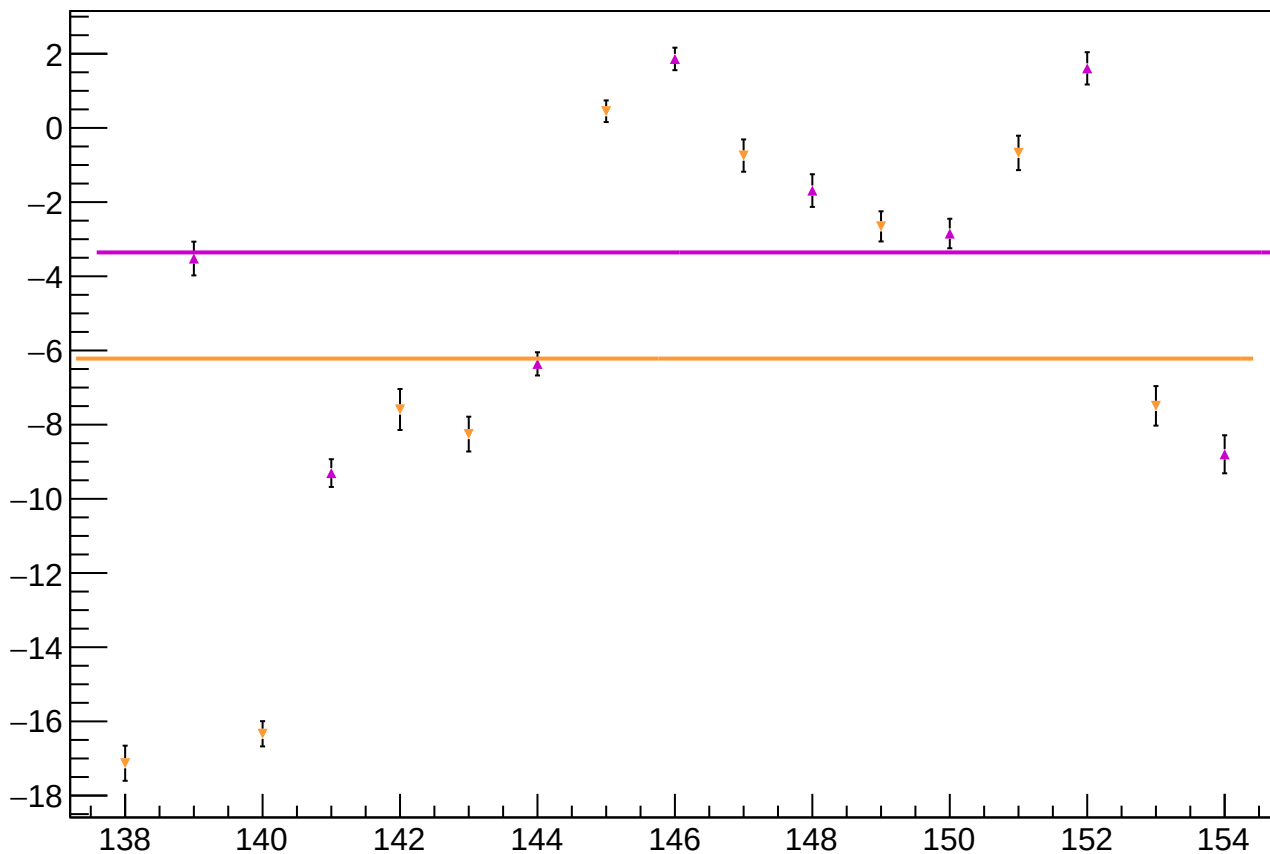
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.125+/-0.002 χ^2/NDF :1125.9/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.154+/-0.002 χ^2/NDF :1092.2/7

Left: -0.140+/-0.001 χ^2/NDF : 2316.9/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.154+/-0.002 χ^2/NDF :1092.2/7
 Out: -0.125+/-0.002 χ^2/NDF :1125.9/8
 All: -0.140+/-0.001 χ^2/NDF : 2316.9/16

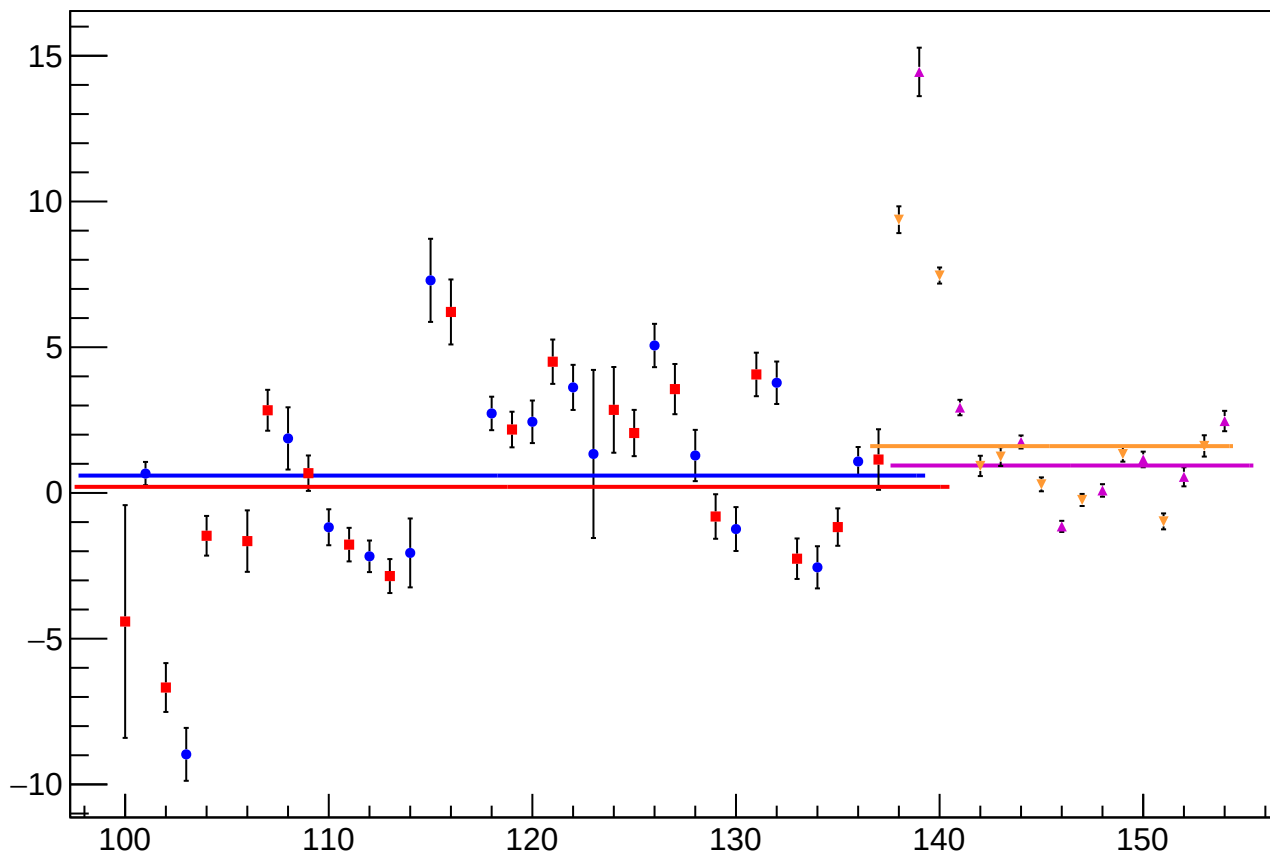
reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -6.218+/-0.138 χ^2/NDF :2345.8/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.357+/-0.137 χ^2/NDF :899.8/7

Left: -4.768+/-0.097 χ^2/NDF : 3462.0/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -3.357+/-0.137 χ^2/NDF :899.8/7
 Out: -6.218+/-0.138 χ^2/NDF :2345.8/8
 All: -4.768+/-0.097 χ^2/NDF : 3462.0/16

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.596 ± 0.169 $\chi^2/\text{NDF}: 291.2/16$

Left Out: 1.606 ± 0.094 $\chi^2/\text{NDF}: 939.6/8$

Right Out: 0.209 ± 0.175 $\chi^2/\text{NDF}: 273.5/18$

Left In: 0.941 ± 0.093 $\chi^2/\text{NDF}: 489.6/7$

Left: 1.268 ± 0.066 $\chi^2/\text{NDF}: 1454.4/16$

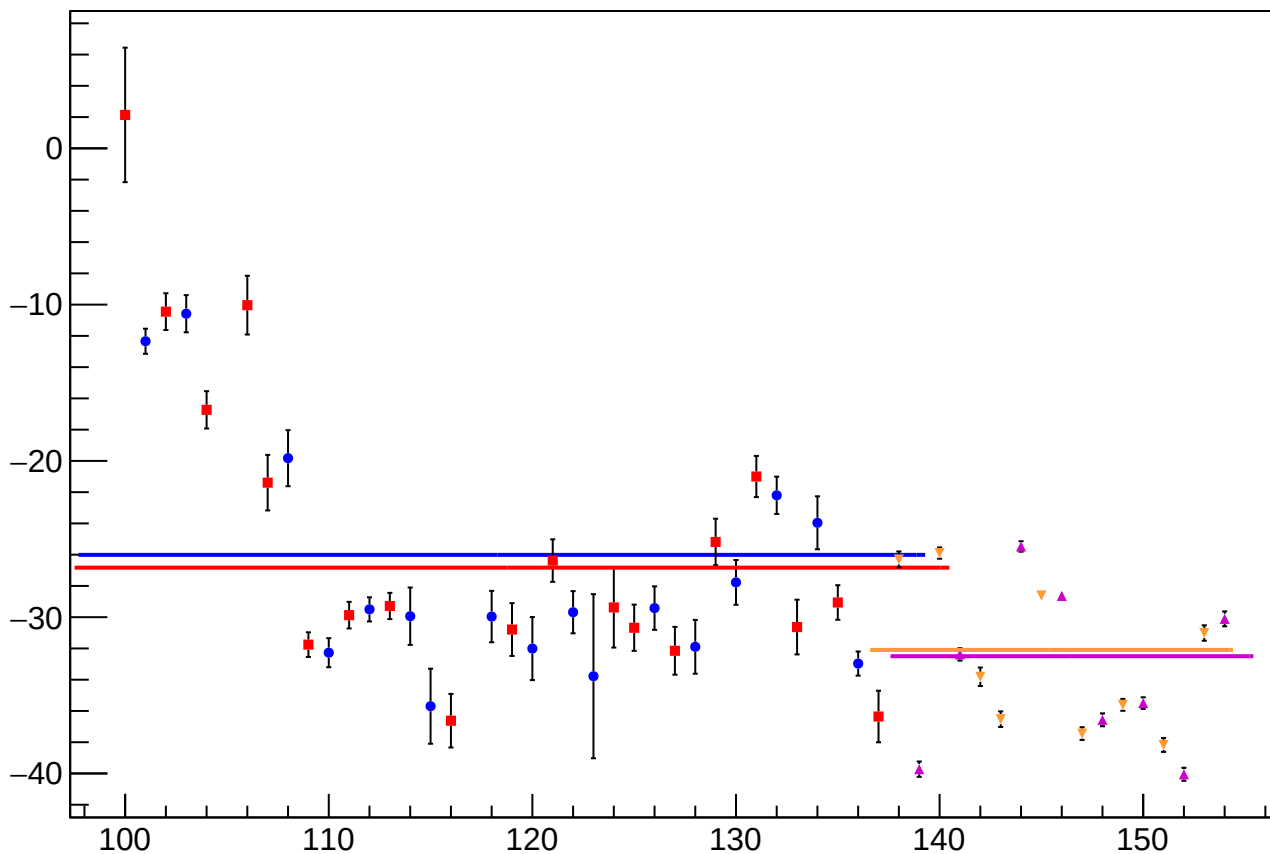
Right: 0.409 ± 0.121 $\chi^2/\text{NDF}: 567.2/35$

In: 0.861 ± 0.081 $\chi^2/\text{NDF}: 784.0/24$

Out: 1.290 ± 0.083 $\chi^2/\text{NDF}: 1262.6/27$

All: 1.071 ± 0.058 $\chi^2/\text{NDF}: 2060.2/52$

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -26.012 ± 0.300 χ^2/NDF : 692.9/16

Left Out: -32.095 ± 0.140 χ^2/NDF : 1085.0/8

Right Out: -26.829 ± 0.297 χ^2/NDF : 581.6/18

Left In: -32.497 ± 0.136 χ^2/NDF : 1347.2/7

Left: -32.303 ± 0.097 χ^2/NDF : 2436.4/16

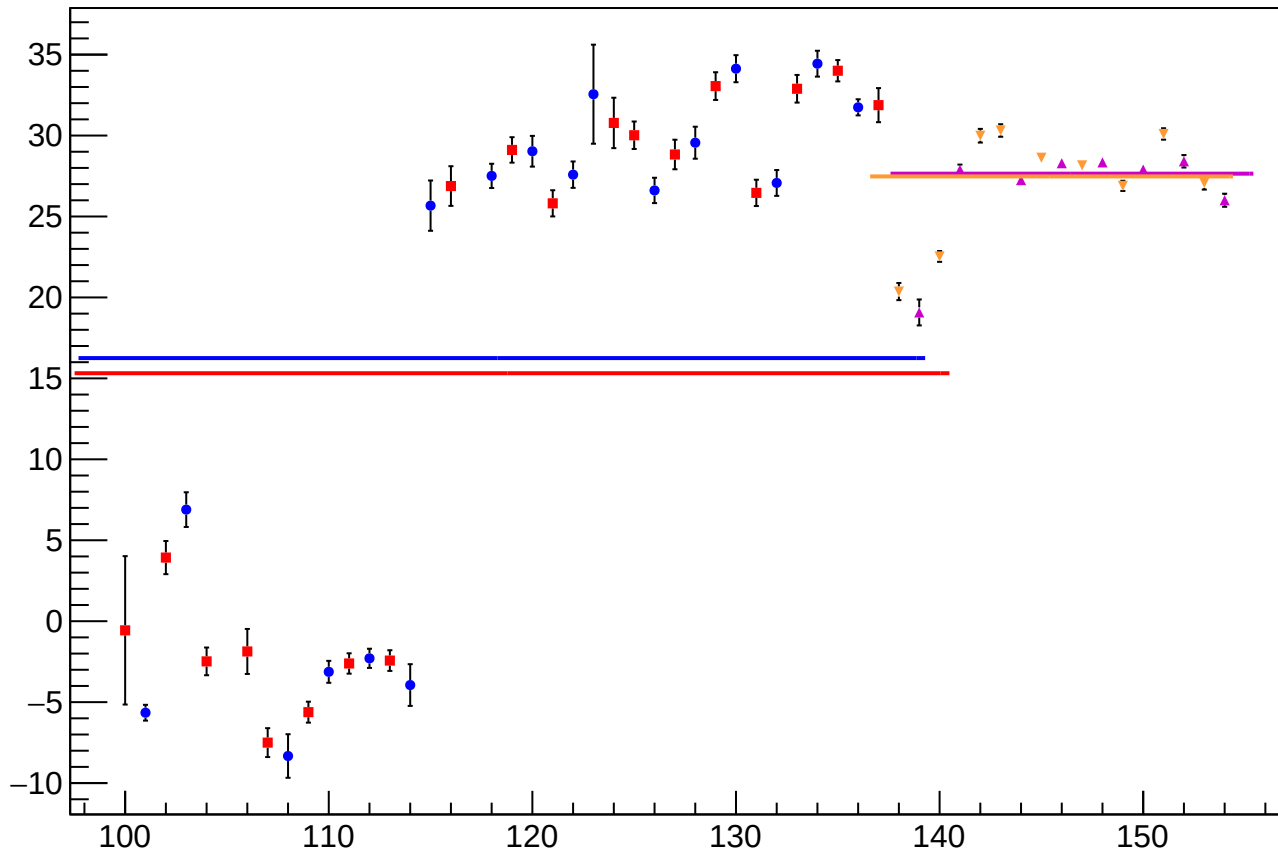
Right: -26.423 ± 0.211 χ^2/NDF : 1278.3/35

In: -31.394 ± 0.124 χ^2/NDF : 2429.0/24

Out: -31.138 ± 0.127 χ^2/NDF : 1923.0/27

All: -31.269 ± 0.088 χ^2/NDF : 4354.1/52

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 16.253 $\pm$ 0.191 χ^2 /NDF: 7611.3/16

Left Out: 27.477 $\pm$ 0.116 χ^2 /NDF: 571.2/8

Right Out: 15.318 $\pm$ 0.197 χ^2 /NDF: 7280.1/18

Left In: 27.646 $\pm$ 0.114 χ^2 /NDF: 151.0/7

Left: 27.563 $\pm$ 0.081 χ^2 /NDF: 723.3/16

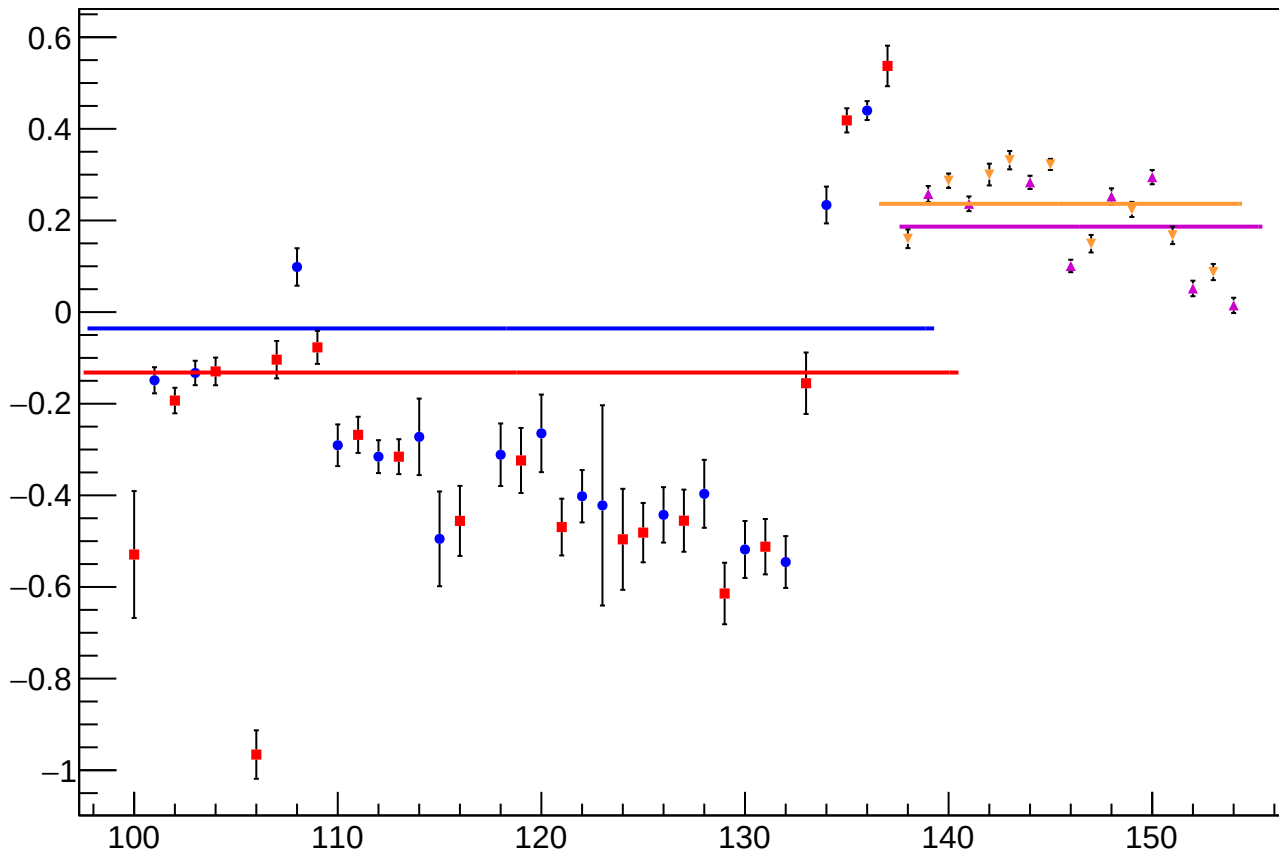
Right: 15.800 $\pm$ 0.137 χ^2 /NDF: 14903.0/35

In: 24.667 $\pm$ 0.098 χ^2 /NDF: 10389.3/24

Out: 24.345 $\pm$ 0.100 χ^2 /NDF: 10679.8/27

All: 24.510 $\pm$ 0.070 χ^2 /NDF: 21074.4/52

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.036 ± 0.010 χ^2/NDF : 1014.5/16

Left Out: 0.236 ± 0.006 χ^2/NDF : 209.6/8

Right Out: -0.132 ± 0.010 χ^2/NDF : 1171.3/18

Left In: 0.187 ± 0.006 χ^2/NDF : 341.2/7

Left: 0.211 ± 0.004 χ^2/NDF : 589.0/16

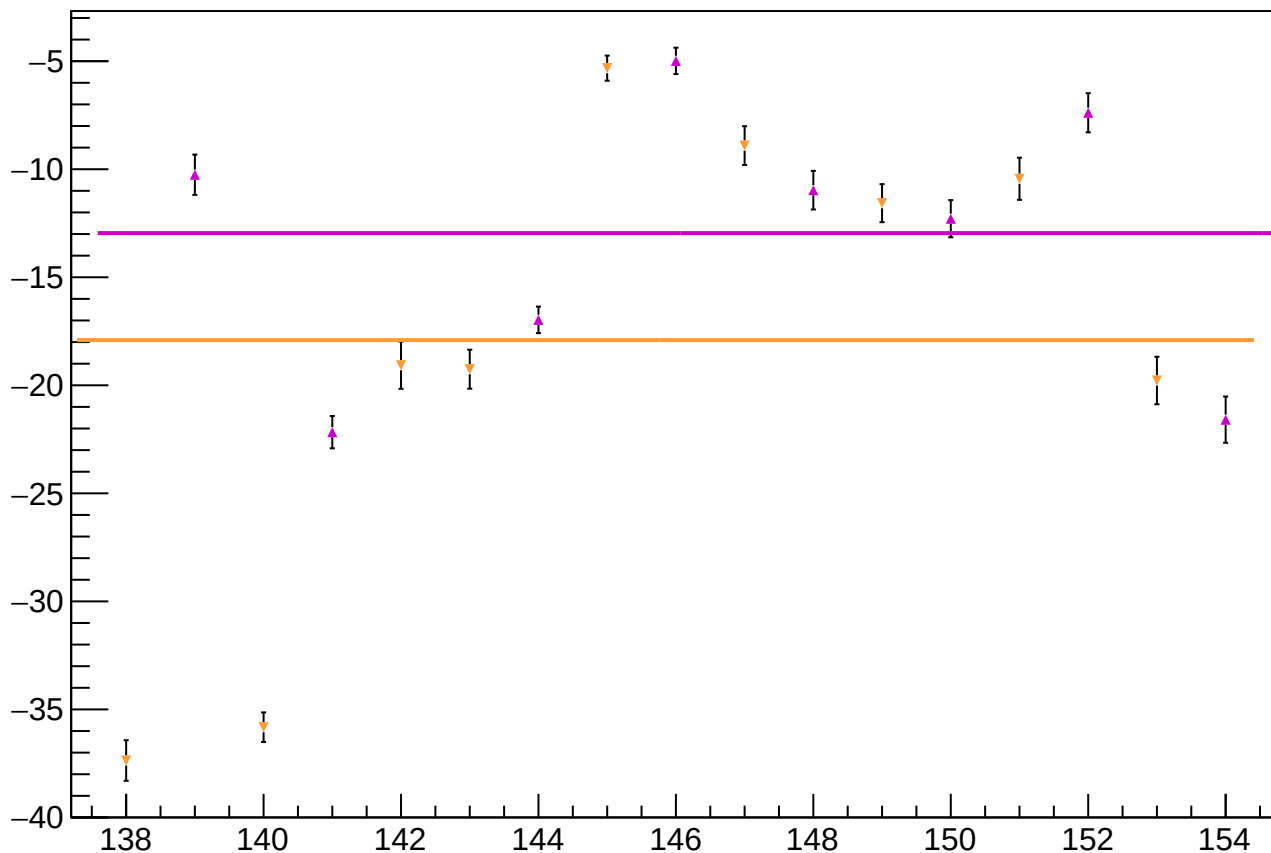
Right: -0.084 ± 0.007 χ^2/NDF : 2229.1/35

In: 0.136 ± 0.005 χ^2/NDF : 1713.5/24

Out: 0.149 ± 0.005 χ^2/NDF : 2344.2/27

All: 0.142 ± 0.004 χ^2/NDF : 4061.2/52

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -17.908+/-0.281 χ^2/NDF :1799.1/8

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

Left In: -12.956+/-0.278 χ^2/NDF :481.5/7

Left: -15.407+/-0.197 χ^2/NDF : 2437.8/16

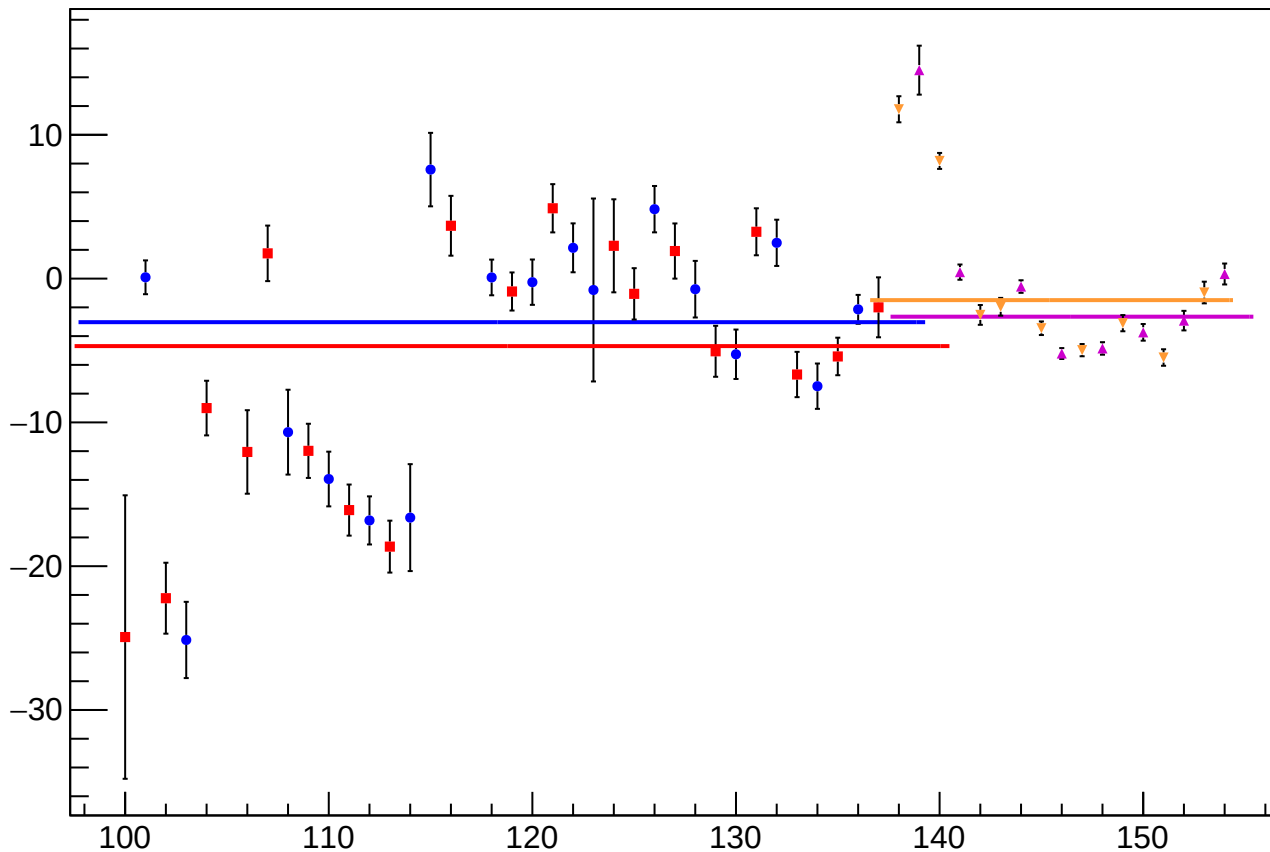
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -12.956+/-0.278 χ^2/NDF :481.5/7

Out: -17.908+/-0.281 χ^2/NDF :1799.1/8

All: -15.407+/-0.197 χ^2/NDF : 2437.8/16

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.030 ± 0.408 χ^2/NDF : 280.8/16

Left Out: -1.497 ± 0.192 χ^2/NDF : 662.0/8

Right Out: -4.694 ± 0.427 χ^2/NDF : 298.3/18

Left In: -2.648 ± 0.187 χ^2/NDF : 250.6/7

Left: -2.086 ± 0.134 χ^2/NDF : 931.0/16

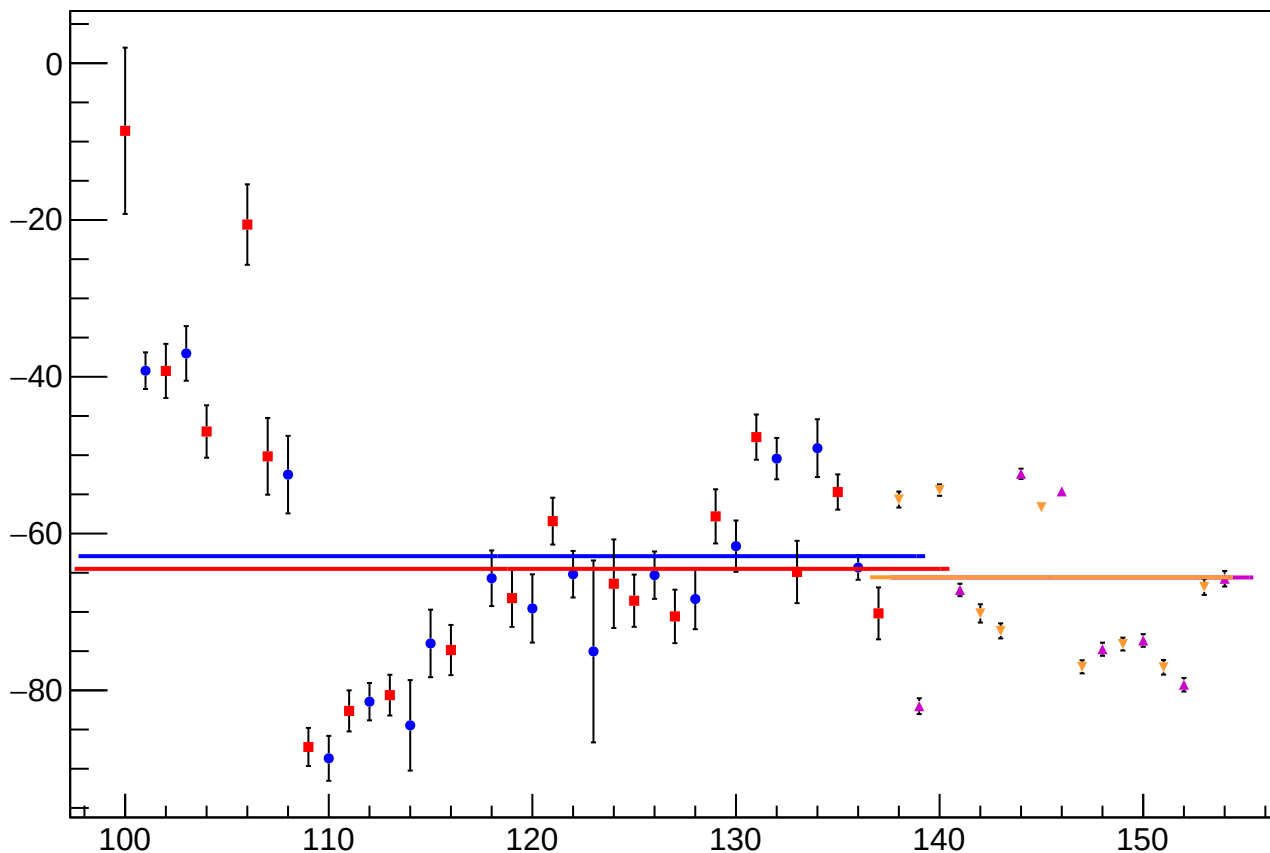
Right: -3.824 ± 0.295 χ^2/NDF : 587.0/35

In: -2.715 ± 0.170 χ^2/NDF : 532.1/24

Out: -2.035 ± 0.175 χ^2/NDF : 1006.9/27

All: -2.385 ± 0.122 χ^2/NDF : 1546.8/52

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.887 ± 0.738 $\chi^2/\text{NDF}: 368.7/16$

Left Out: -65.575 ± 0.285 $\chi^2/\text{NDF}: 1049.1/8$

Right Out: -64.502 ± 0.751 $\chi^2/\text{NDF}: 444.1/18$

Left In: -65.602 ± 0.276 $\chi^2/\text{NDF}: 1491.9/7$

Left: -65.589 ± 0.198 $\chi^2/\text{NDF}: 2541.0/16$

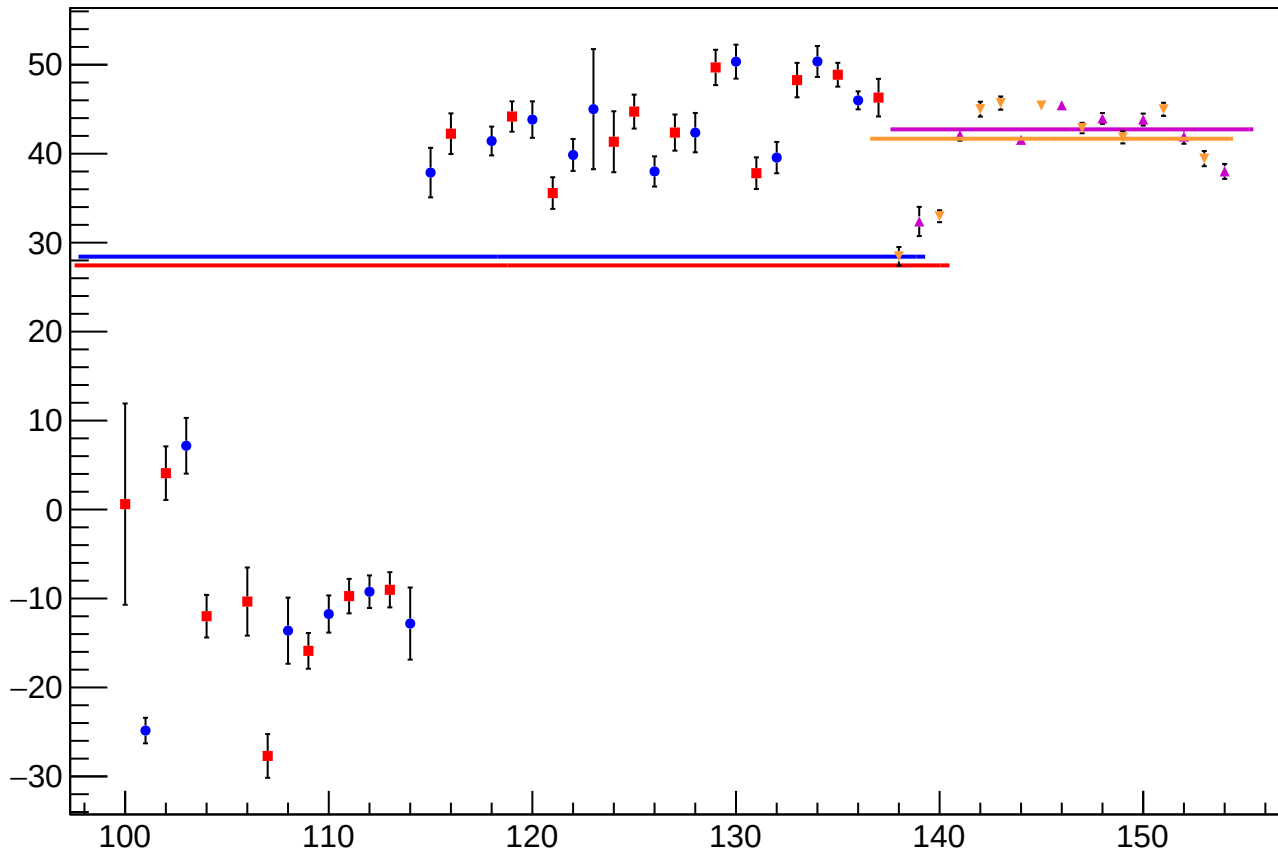
Right: -63.680 ± 0.526 $\chi^2/\text{NDF}: 815.2/35$

In: -65.268 ± 0.259 $\chi^2/\text{NDF}: 1872.5/24$

Out: -65.440 ± 0.267 $\chi^2/\text{NDF}: 1494.9/27$

All: -65.351 ± 0.186 $\chi^2/\text{NDF}: 3367.6/52$

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.425 $\pm$ 0.457 χ^2 /NDF: 3330.3/16

Left Out: 41.683 $\pm$ 0.236 χ^2 /NDF:450.1/8

Right Out: 27.441 $\pm$ 0.479 χ^2 /NDF: 3033.0/18

Left In: 42.736 $\pm$ 0.230 χ^2 /NDF:117.5/7

Left: 42.221 $\pm$ 0.165 χ^2 /NDF: 577.8/16

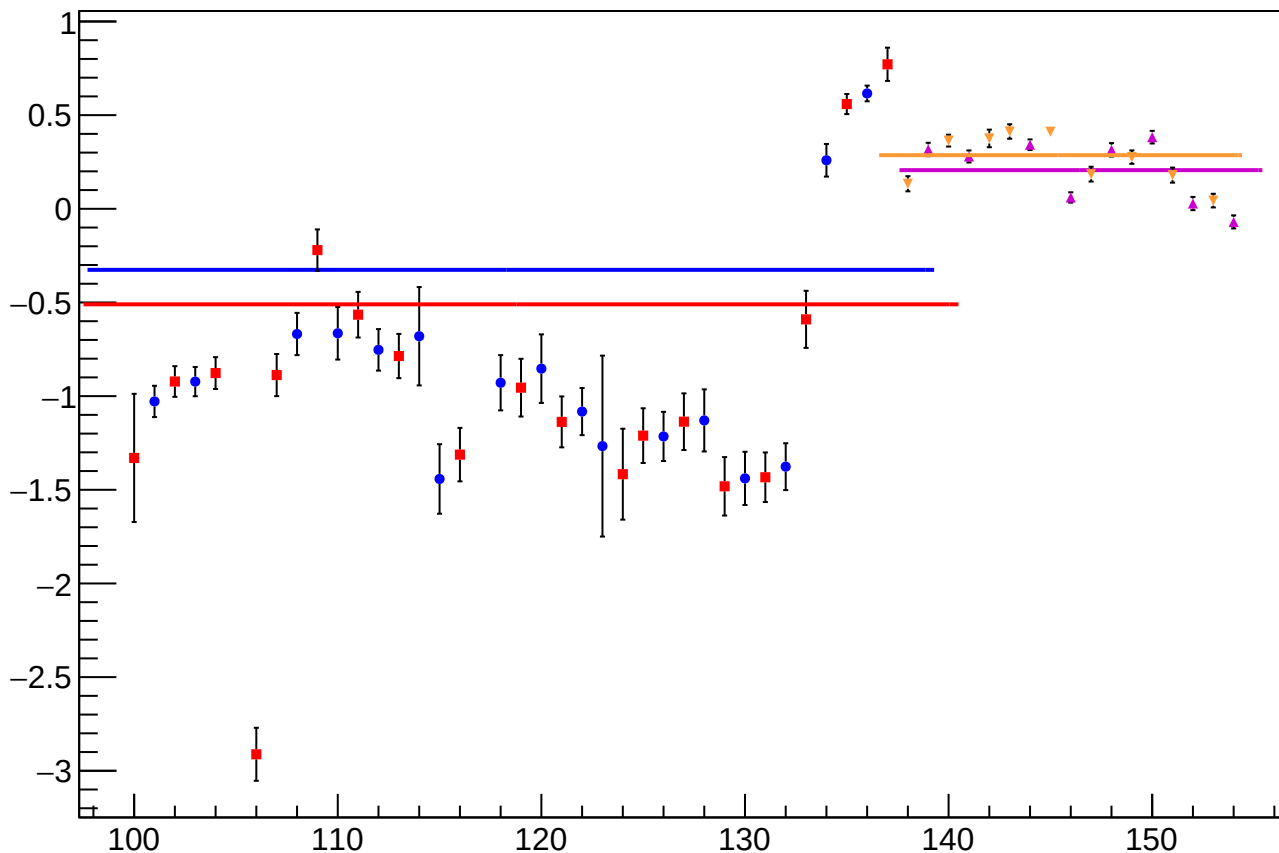
Right: 27.956 $\pm$ 0.331 χ^2 /NDF: 6365.5/35

In: 39.835 $\pm$ 0.206 χ^2 /NDF:4229.4/24

Out: 38.901 $\pm$ 0.212 χ^2 /NDF:4195.5/27

All: 39.381 $\pm$ 0.148 χ^2 /NDF: 8434.9/52

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.326 ± 0.025 χ^2/NDF : 1013.0/16

Left Out: 0.286 ± 0.012 χ^2/NDF : 119.4/8

Right Out: -0.510 ± 0.026 χ^2/NDF : 1169.4/18

Left In: 0.206 ± 0.011 χ^2/NDF : 190.1/7

Left: 0.245 ± 0.008 χ^2/NDF : 333.2/16

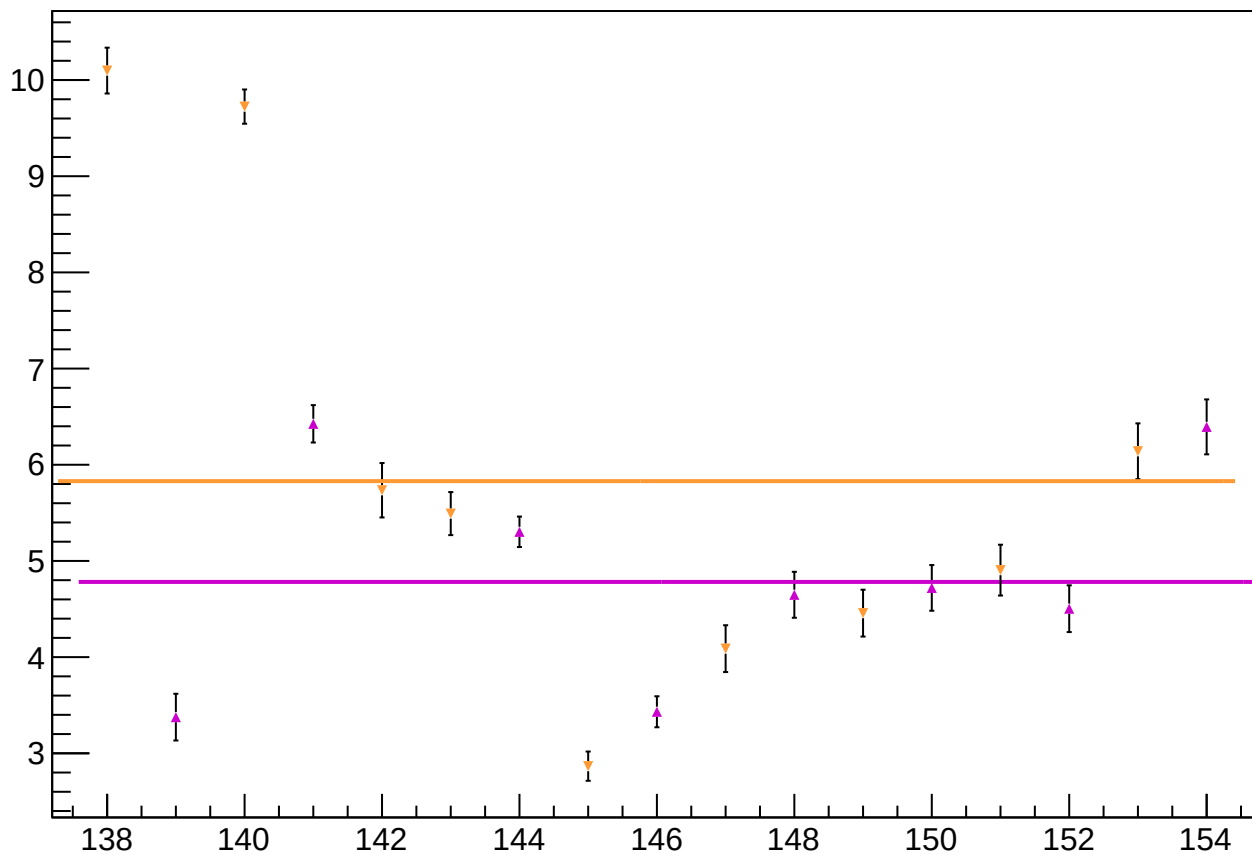
Right: -0.415 ± 0.018 χ^2/NDF : 2208.8/35

In: 0.113 ± 0.010 χ^2/NDF : 1580.0/24

Out: 0.148 ± 0.011 χ^2/NDF : 2082.5/27

All: 0.130 ± 0.007 χ^2/NDF : 3668.1/52

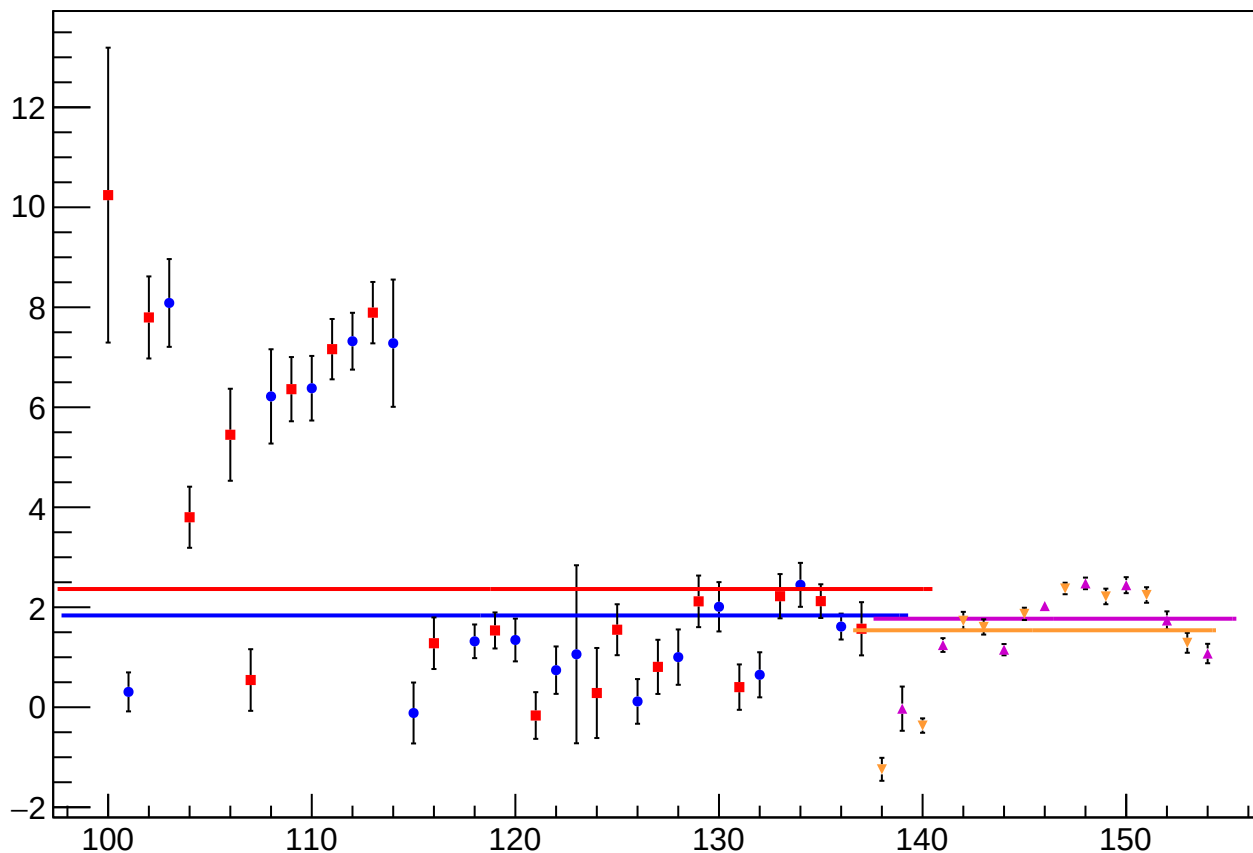
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.830 $\pm$ 0.074 χ^2 /NDF:1277.3/8
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.782 $\pm$ 0.073 χ^2 /NDF:219.6/7

Left: 5.304 $\pm$ 0.052 χ^2 /NDF: 1598.7/16
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 4.782 $\pm$ 0.073 χ^2 /NDF:219.6/7
 Out: 5.830 $\pm$ 0.074 χ^2 /NDF:1277.3/8
 All: 5.304 $\pm$ 0.052 χ^2 /NDF: 1598.7/16

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.836 $\pm$ 0.116 χ^2 /NDF: 294.9/16

Left Out: 1.539 $\pm$ 0.051 χ^2 /NDF:423.5/8

Right Out: 2.365 $\pm$ 0.123 χ^2 /NDF: 336.4/18

Left In: 1.771 $\pm$ 0.049 χ^2 /NDF:135.5/7

Left: 1.658 $\pm$ 0.035 χ^2 /NDF: 569.7/16

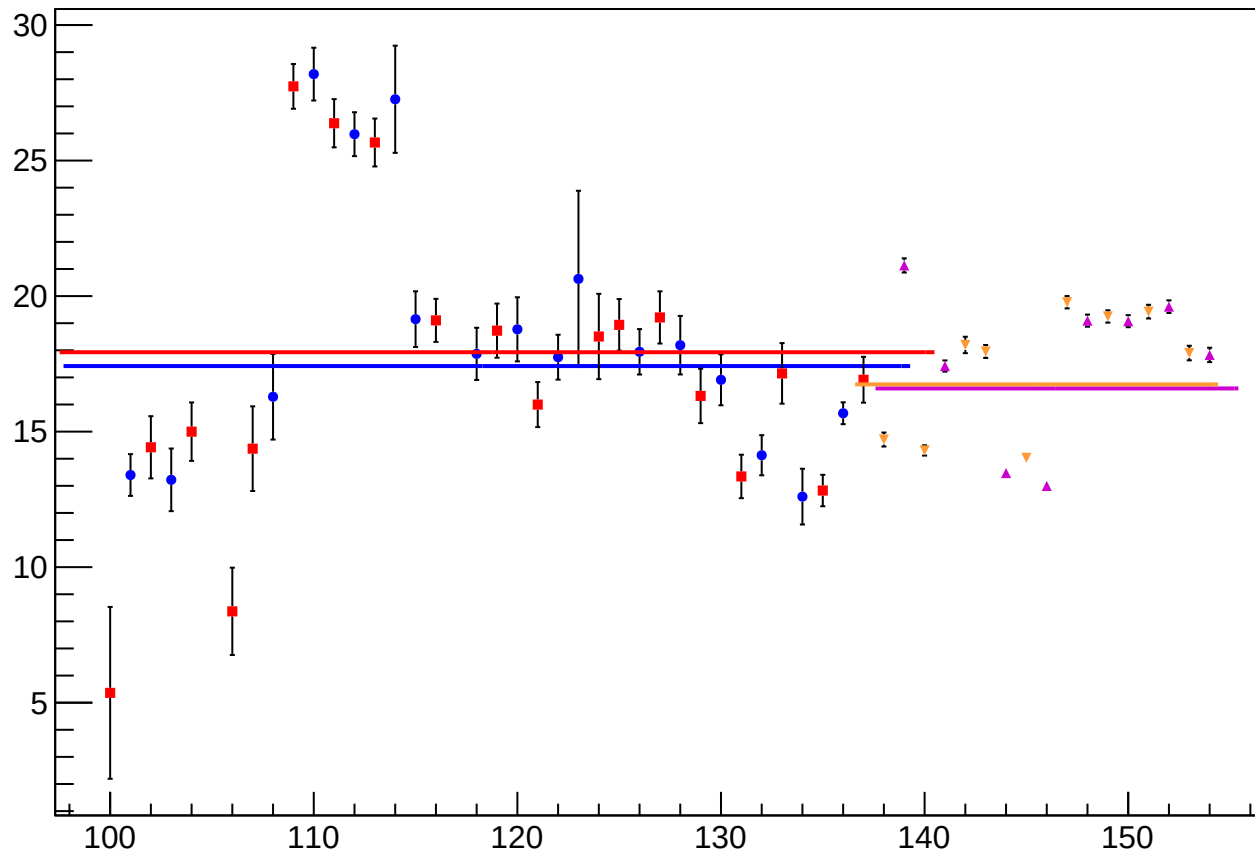
Right: 2.086 $\pm$ 0.084 χ^2 /NDF: 641.1/35

In: 1.781 $\pm$ 0.045 χ^2 /NDF:430.7/24

Out: 1.660 $\pm$ 0.047 χ^2 /NDF:798.6/27

All: 1.722 $\pm$ 0.033 χ^2 /NDF: 1232.7/52

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.418 $\pm$ 0.212 χ^2 /NDF: 366.8/16

Left Out: 16.743 $\pm$ 0.075 χ^2 /NDF: 986.9/8

Right Out: 17.929 $\pm$ 0.219 χ^2 /NDF: 506.3/18

Left In: 16.593 $\pm$ 0.073 χ^2 /NDF: 1634.2/7

Left: 16.666 $\pm$ 0.052 χ^2 /NDF: 2623.1/16

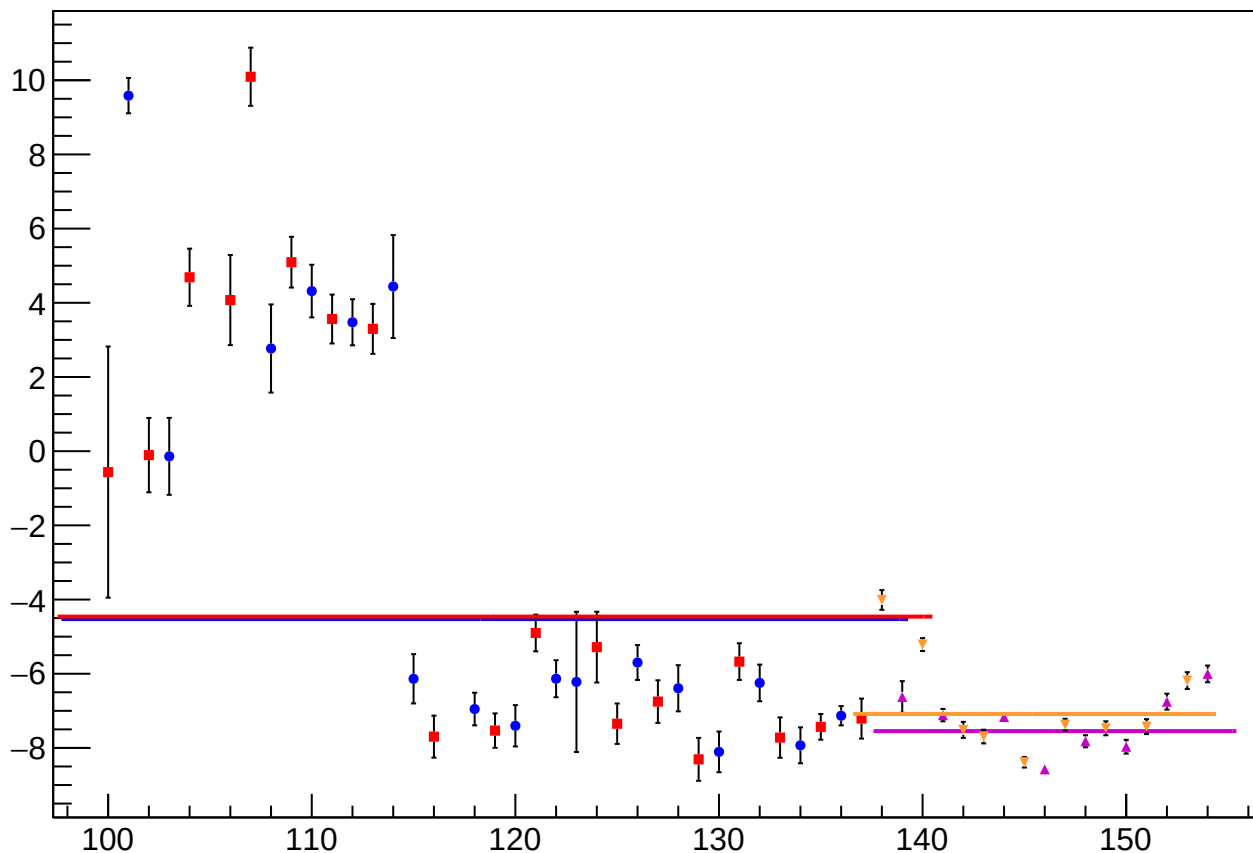
Right: 17.665 $\pm$ 0.152 χ^2 /NDF: 876.0/35

In: 16.681 $\pm$ 0.069 χ^2 /NDF: 2014.6/24

Out: 16.867 $\pm$ 0.071 χ^2 /NDF: 1519.6/27

All: 16.772 $\pm$ 0.050 χ^2 /NDF: 3537.7/52

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.526 ± 0.130 χ^2/NDF : 1590.2/16

Left Out: -7.084 ± 0.062 χ^2/NDF : 373.9/8

Right Out: -4.459 ± 0.137 χ^2/NDF : 1338.9/18

Left In: -7.546 ± 0.061 χ^2/NDF : 156.9/7

Left: -7.320 ± 0.043 χ^2/NDF : 559.2/16

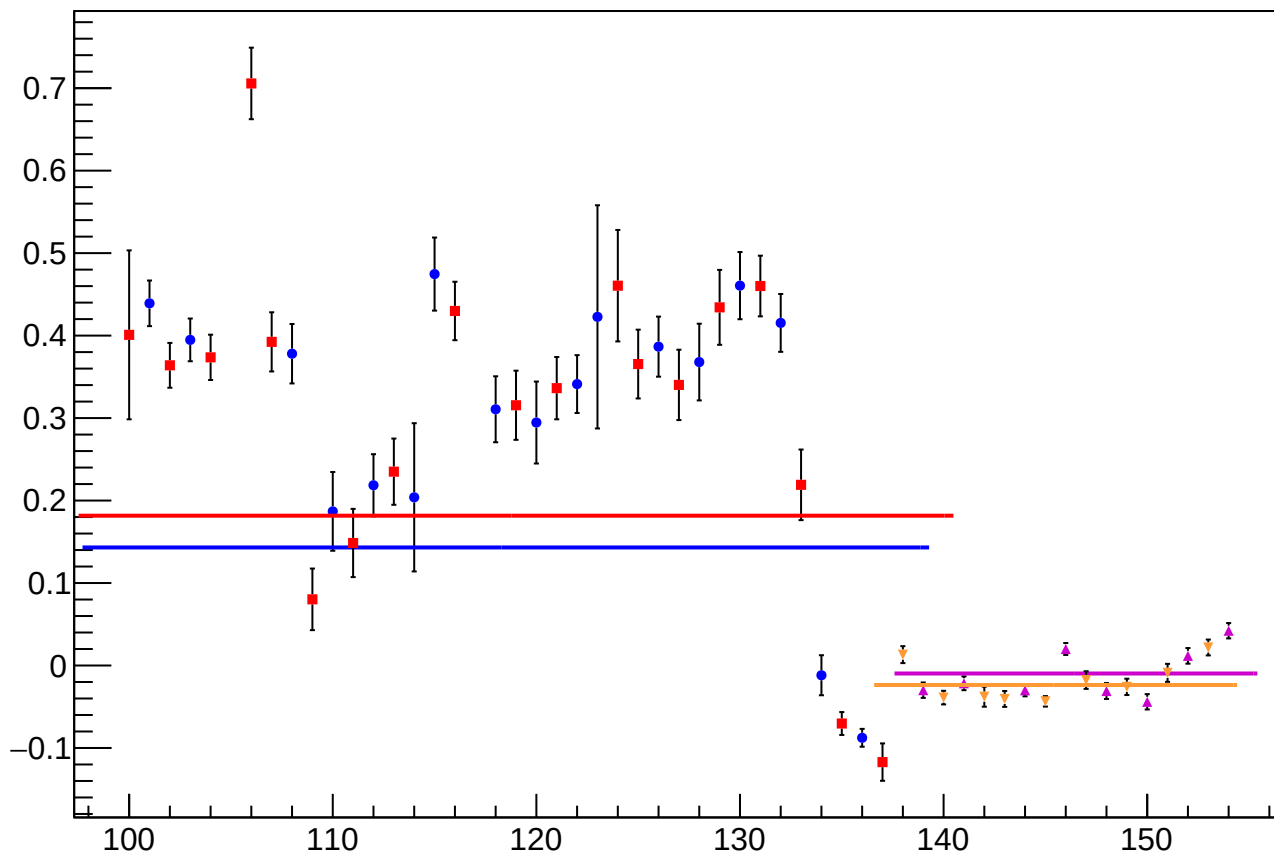
Right: -4.494 ± 0.094 χ^2/NDF : 2929.2/35

In: -7.001 ± 0.055 χ^2/NDF : 2192.7/24

Out: -6.636 ± 0.057 χ^2/NDF : 2017.5/27

All: -6.824 ± 0.039 χ^2/NDF : 4231.5/52

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.143 ± 0.007 $\chi^2/\text{NDF}: 1060.4/16$

Left Out: -0.024 ± 0.003 $\chi^2/\text{NDF}: 55.0/8$

Right Out: 0.182 ± 0.007 $\chi^2/\text{NDF}: 1007.8/18$

Left In: -0.010 ± 0.003 $\chi^2/\text{NDF}: 85.9/7$

Left: -0.017 ± 0.002 $\chi^2/\text{NDF}: 151.3/16$

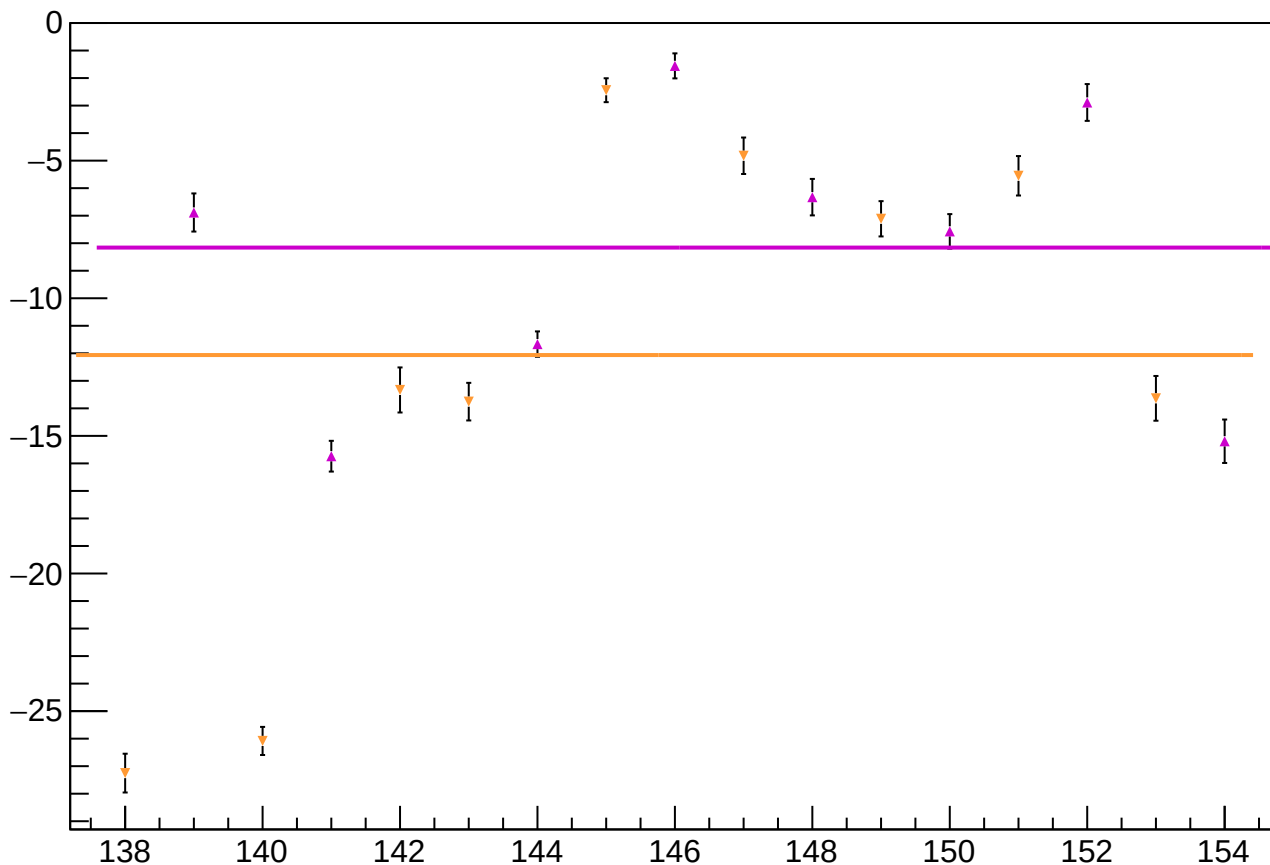
Right: 0.161 ± 0.005 $\chi^2/\text{NDF}: 2082.4/35$

In: 0.014 ± 0.003 $\chi^2/\text{NDF}: 1542.5/24$

Out: 0.007 ± 0.003 $\chi^2/\text{NDF}: 1720.2/27$

All: 0.011 ± 0.002 $\chi^2/\text{NDF}: 3266.1/52$

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



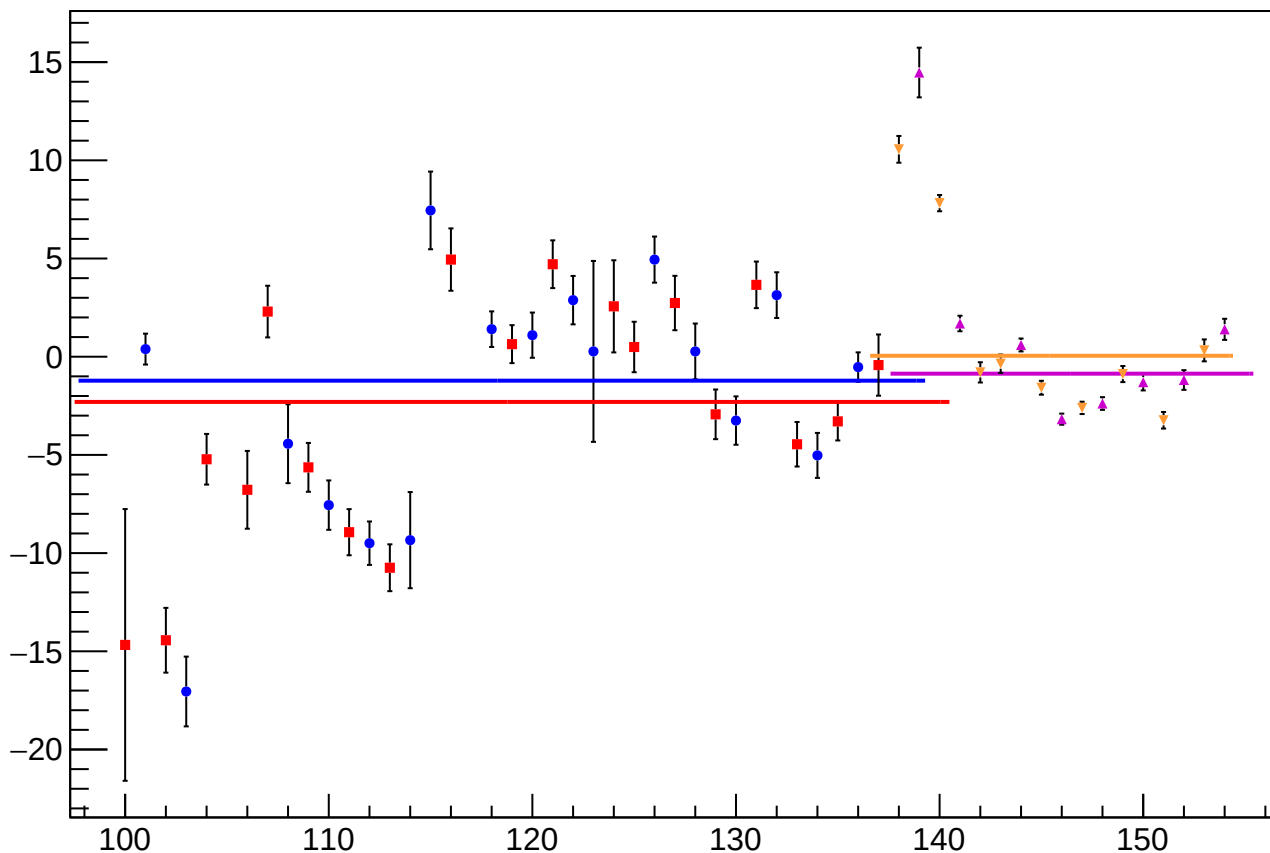
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -12.063+/-0.209 χ^2/NDF :1983.9/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -8.159+/-0.206 χ^2/NDF :606.6/7

Left: -10.088+/-0.147 χ^2/NDF : 2767.5/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -8.159+/-0.206 χ^2/NDF :606.6/7
 Out: -12.063+/-0.209 χ^2/NDF :1983.9/8

All: -10.088+/-0.147 χ^2/NDF : 2767.5/16

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.220 ± 0.290 χ^2/NDF : 278.6/16

Left Out: 0.048 ± 0.143 χ^2/NDF : 752.2/8

Right Out: -2.302 ± 0.302 χ^2/NDF : 286.2/18

Left In: -0.863 ± 0.139 χ^2/NDF : 316.9/7

Left: -0.418 ± 0.100 χ^2/NDF : 1089.9/16

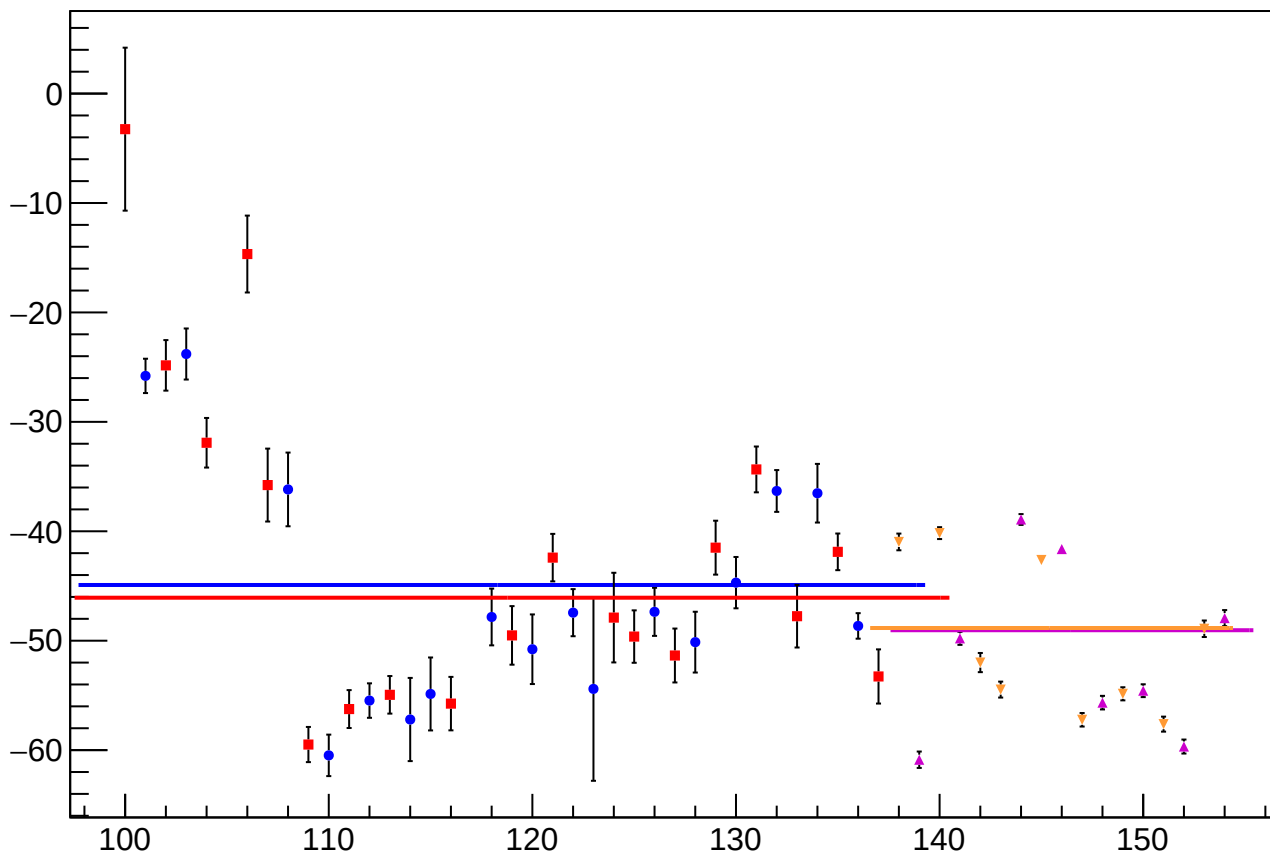
Right: -1.738 ± 0.209 χ^2/NDF : 571.5/35

In: -0.930 ± 0.126 χ^2/NDF : 596.7/24

Out: -0.379 ± 0.129 χ^2/NDF : 1087.8/27

All: -0.662 ± 0.090 χ^2/NDF : 1693.8/52

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -44.908 ± 0.523 χ^2/NDF : 421.2/16

Left Out: -48.840 ± 0.212 χ^2/NDF : 1064.1/8

Right Out: -46.071 ± 0.528 χ^2/NDF : 454.0/18

Left In: -49.043 ± 0.205 χ^2/NDF : 1441.0/7

Left: -48.944 ± 0.147 χ^2/NDF : 2505.5/16

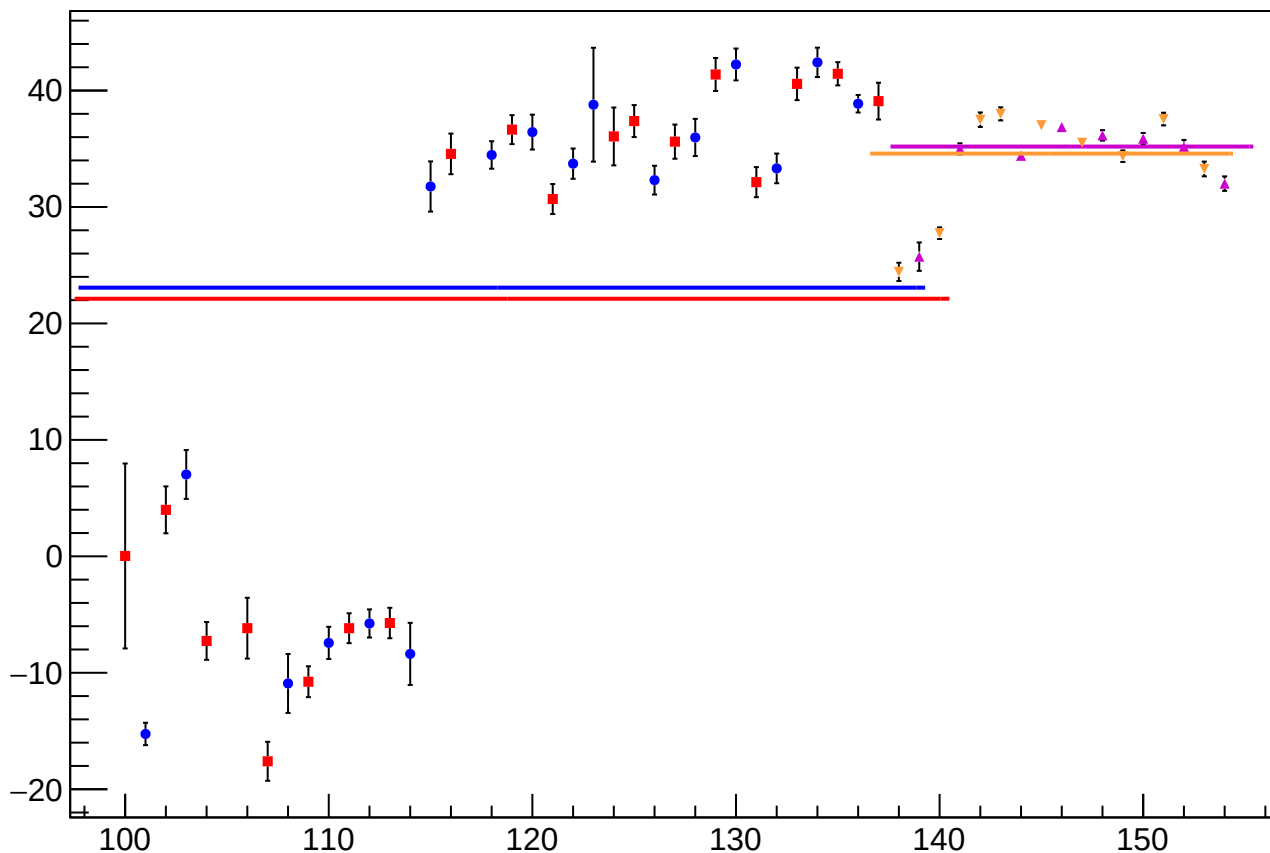
Right: -45.483 ± 0.371 χ^2/NDF : 877.6/35

In: -48.491 ± 0.191 χ^2/NDF : 1916.4/24

Out: -48.456 ± 0.197 χ^2/NDF : 1541.7/27

All: -48.474 ± 0.137 χ^2/NDF : 3458.1/52

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.073 $\pm$ 0.326 χ^2 /NDF: 4346.0/16

Left Out: 34.586 $\pm$ 0.175 χ^2 /NDF: 485.7/8

Right Out: 22.122 $\pm$ 0.340 χ^2 /NDF: 4034.4/18

Left In: 35.190 $\pm$ 0.171 χ^2 /NDF: 119.3/7

Left: 34.895 $\pm$ 0.122 χ^2 /NDF: 611.0/16

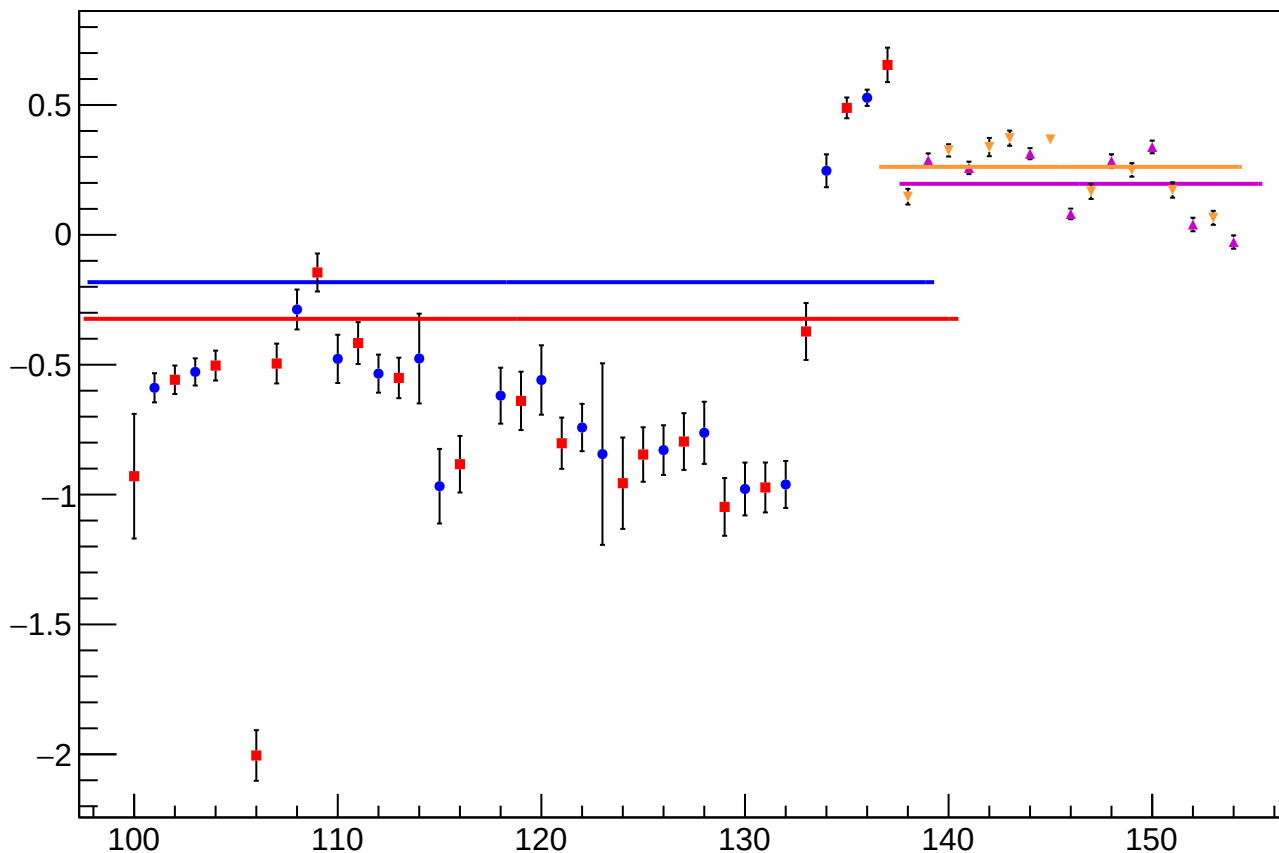
Right: 22.617 $\pm$ 0.235 χ^2 /NDF: 8384.4/35

In: 32.569 $\pm$ 0.152 χ^2 /NDF: 5547.9/24

Out: 31.970 $\pm$ 0.156 χ^2 /NDF: 5582.6/27

All: 32.277 $\pm$ 0.109 χ^2 /NDF: 11138.1/52

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.182 ± 0.018 χ^2/NDF : 998.1/16

Left Out: 0.262 ± 0.009 χ^2/NDF : 147.4/8

Right Out: -0.323 ± 0.018 χ^2/NDF : 1184.5/18

Left In: 0.197 ± 0.009 χ^2/NDF : 236.1/7

Left: 0.228 ± 0.006 χ^2/NDF : 412.1/16

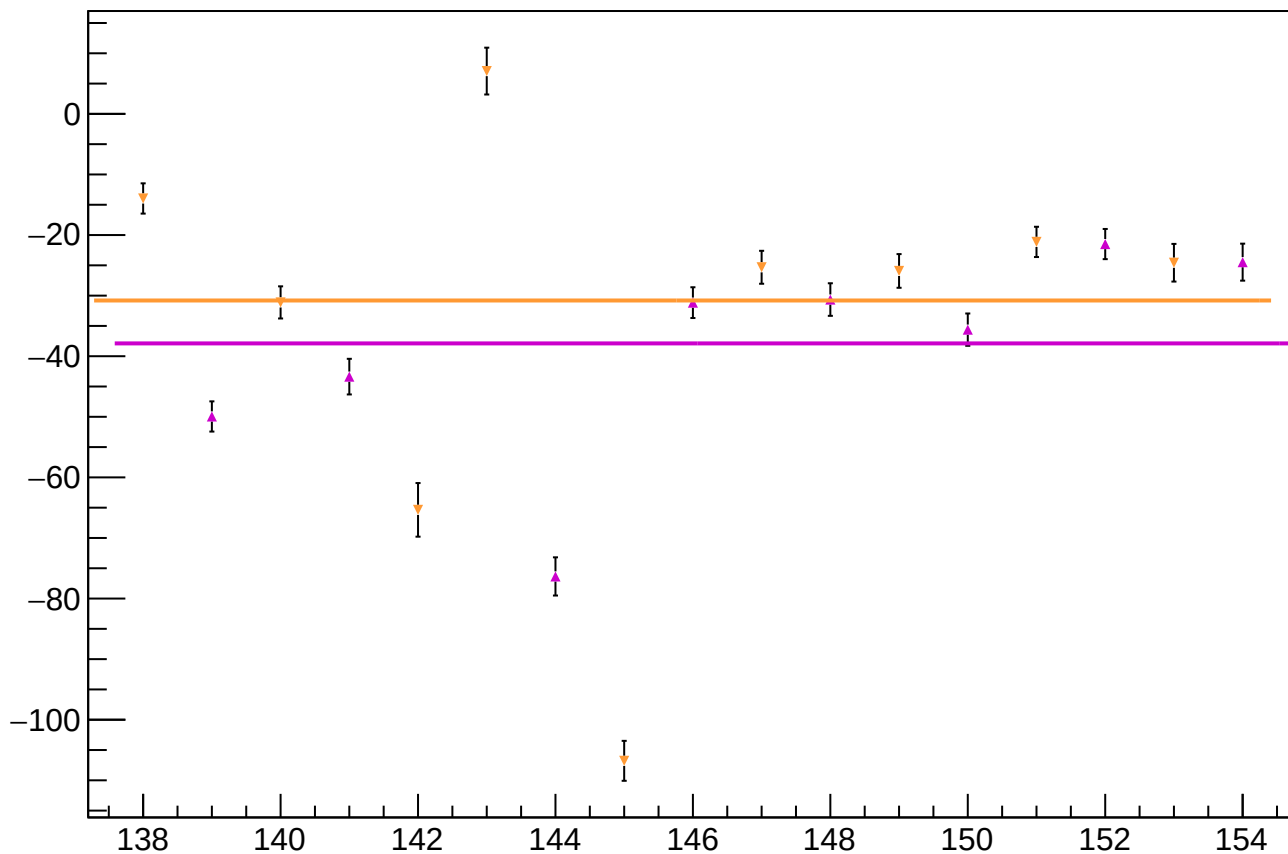
Right: -0.251 ± 0.013 χ^2/NDF : 2213.4/35

In: 0.125 ± 0.008 χ^2/NDF : 1605.2/24

Out: 0.152 ± 0.008 χ^2/NDF : 2174.7/27

All: 0.138 ± 0.005 χ^2/NDF : 3785.6/52

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -30.802+/-0.980 χ^2/NDF :759.8/8

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

Left In: -37.885+/-0.962 χ^2/NDF :253.3/7

Left: -34.409+/-0.687 χ^2/NDF : 1039.8/16

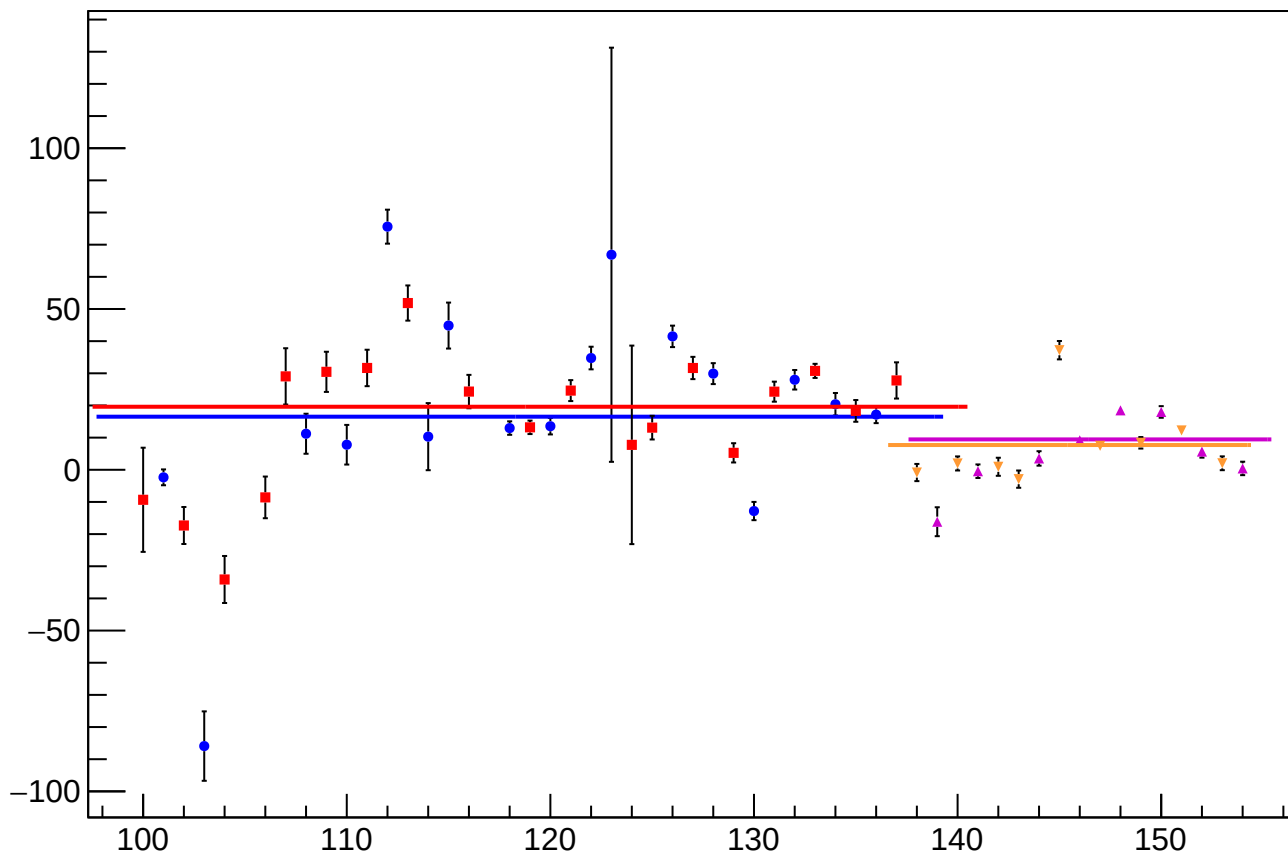
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -37.885+/-0.962 χ^2/NDF :253.3/7

Out: -30.802+/-0.980 χ^2/NDF :759.8/8

All: -34.409+/-0.687 χ^2/NDF : 1039.8/16

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.512 $\pm$ 0.847 χ^2 /NDF: 519.6/16

Left Out: 7.697 $\pm$ 0.650 χ^2 /NDF:162.4/8

Right Out: 19.604 $\pm$ 0.898 χ^2 /NDF: 242.0/18

Left In: 9.447 $\pm$ 0.655 χ^2 /NDF:154.2/7

Left: 8.565 $\pm$ 0.462 χ^2 /NDF: 320.2/16

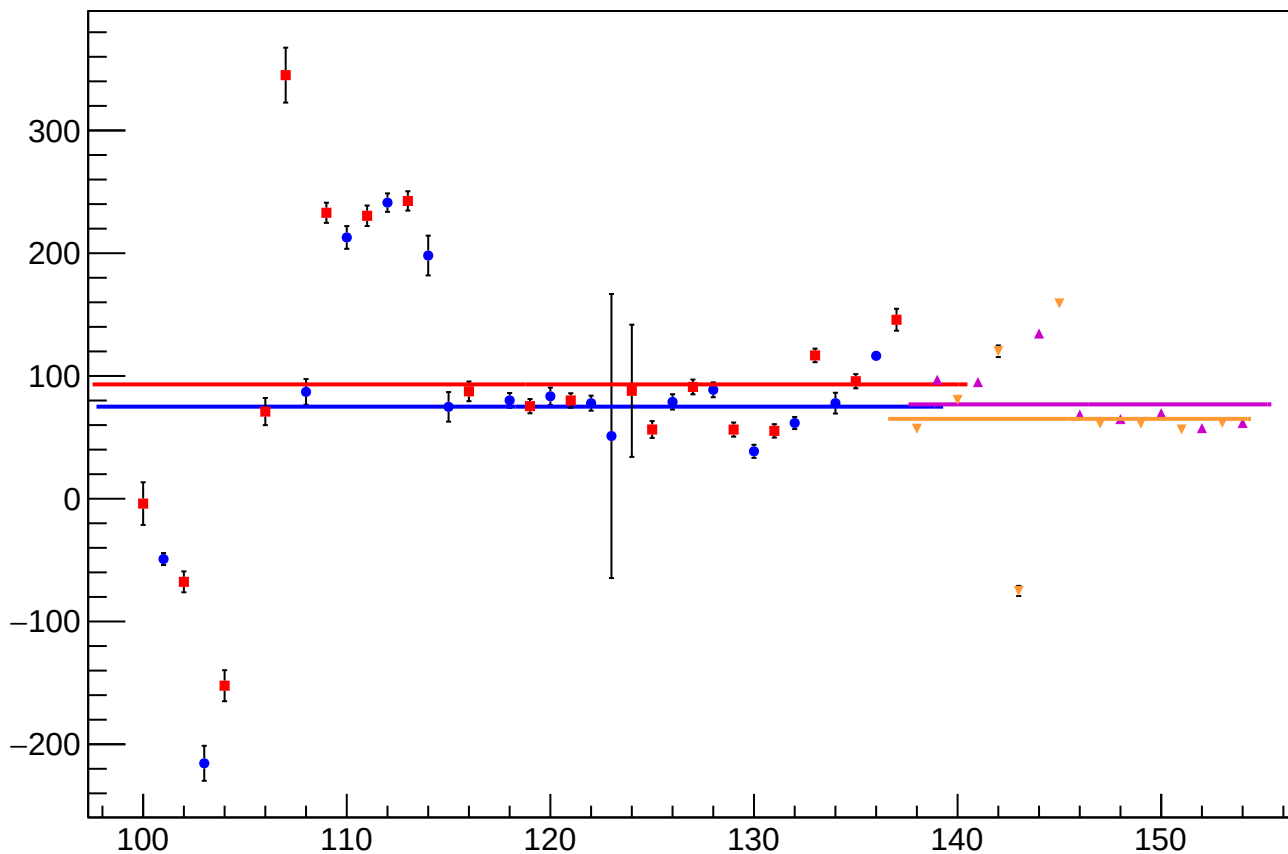
Right: 17.968 $\pm$ 0.616 χ^2 /NDF: 767.9/35

In: 12.090 $\pm$ 0.518 χ^2 /NDF:717.3/24

Out: 11.790 $\pm$ 0.527 χ^2 /NDF:519.6/27

All: 11.943 $\pm$ 0.369 χ^2 /NDF: 1237.1/52

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 75.009+/-1.636 χ^2/NDF : 1999.3/16

Left Out: 65.051+/-0.977 χ^2/NDF : 2101.7/8

Right Out: 93.140+/-1.711 χ^2/NDF : 2002.3/18

Left In: 76.857+/-0.947 χ^2/NDF : 519.0/7

Left: 71.136+/-0.680 χ^2/NDF : 2696.1/16

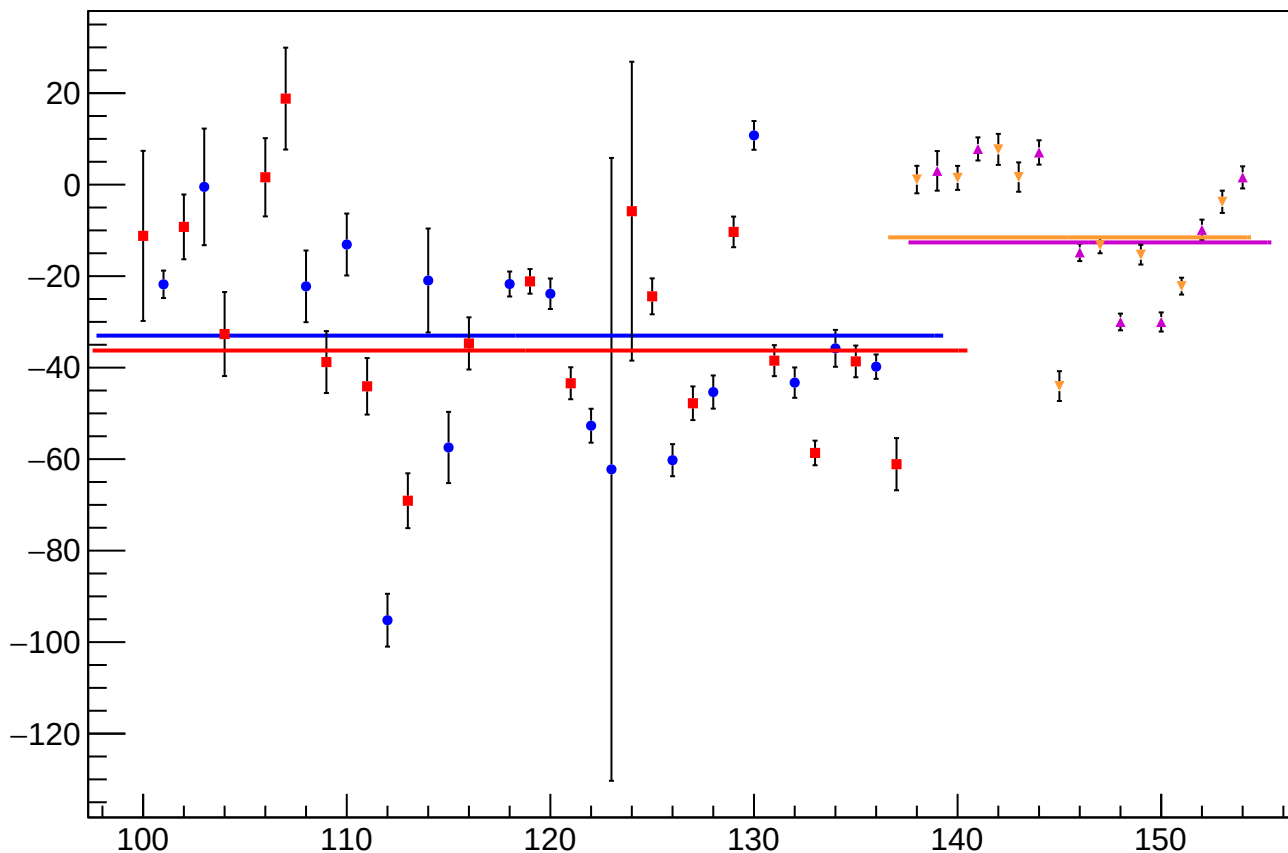
Right: 83.668+/-1.183 χ^2/NDF : 4060.3/35

In: 76.393+/-0.820 χ^2/NDF : 2519.3/24

Out: 71.954+/-0.848 χ^2/NDF : 4307.3/27

All: 74.250+/-0.589 χ^2/NDF : 6840.8/52

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.005 ± 0.972 $\chi^2/\text{NDF}: 493.1/16$

Left Out: -11.523 ± 0.809 $\chi^2/\text{NDF}: 238.1/8$

Right Out: -36.260 ± 1.025 $\chi^2/\text{NDF}: 297.1/18$

Left In: -12.628 ± 0.809 $\chi^2/\text{NDF}: 329.9/7$

Left: -12.076 ± 0.572 $\chi^2/\text{NDF}: 569.0/16$

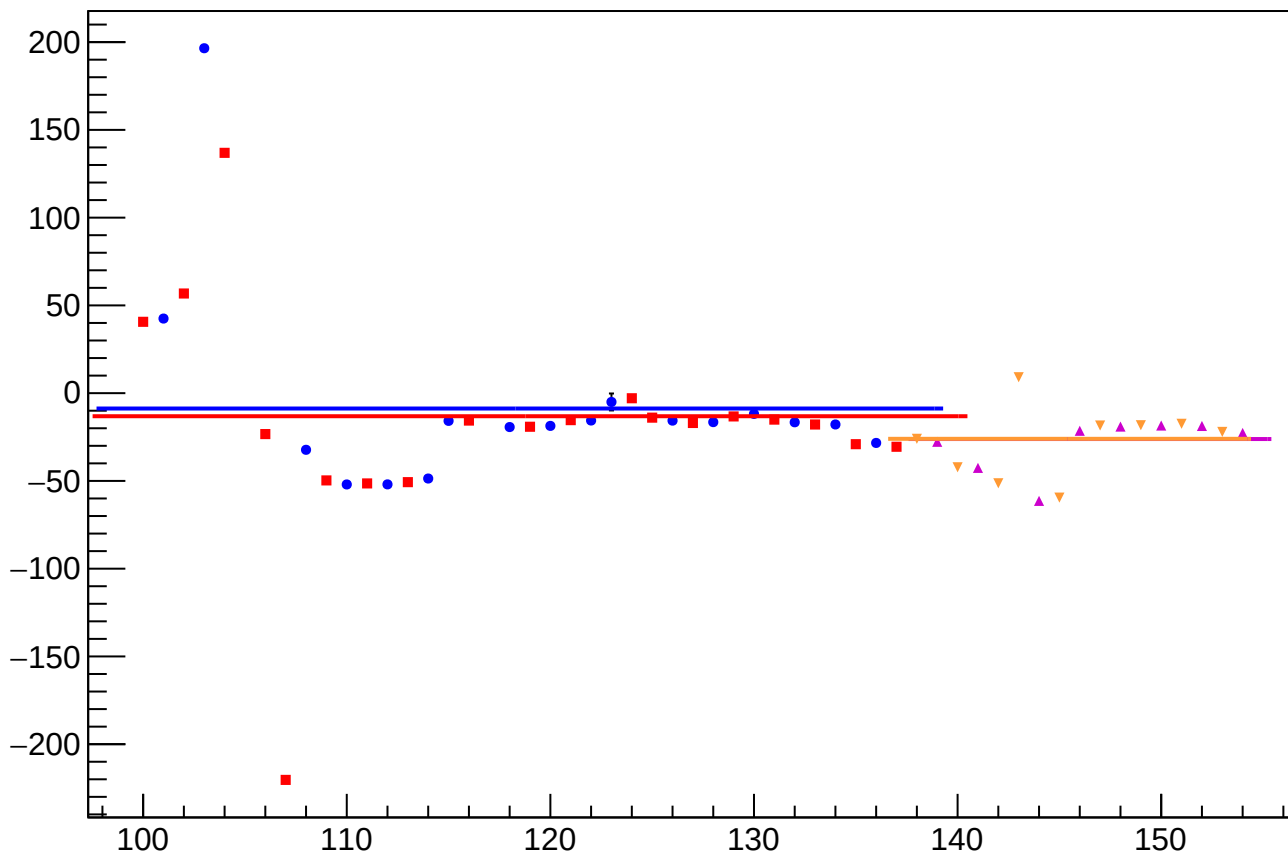
Right: -34.545 ± 0.705 $\chi^2/\text{NDF}: 795.4/35$

In: -20.968 ± 0.622 $\chi^2/\text{NDF}: 1082.8/24$

Out: -21.016 ± 0.635 $\chi^2/\text{NDF}: 893.9/27$

All: -20.992 ± 0.444 $\chi^2/\text{NDF}: 1976.7/52$

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -8.751 ± 0.059 $\chi^2/\text{NDF}: 576012.4/16$

Left Out: -26.016 ± 0.040 $\chi^2/\text{NDF}: 158833.4/8$

Right Out: -13.143 ± 0.062 $\chi^2/\text{NDF}: 558628.0/18$

Left In: -26.138 ± 0.038 $\chi^2/\text{NDF}: 92730.6/7$

Left: -26.080 ± 0.028 $\chi^2/\text{NDF}: 251568.7/16$

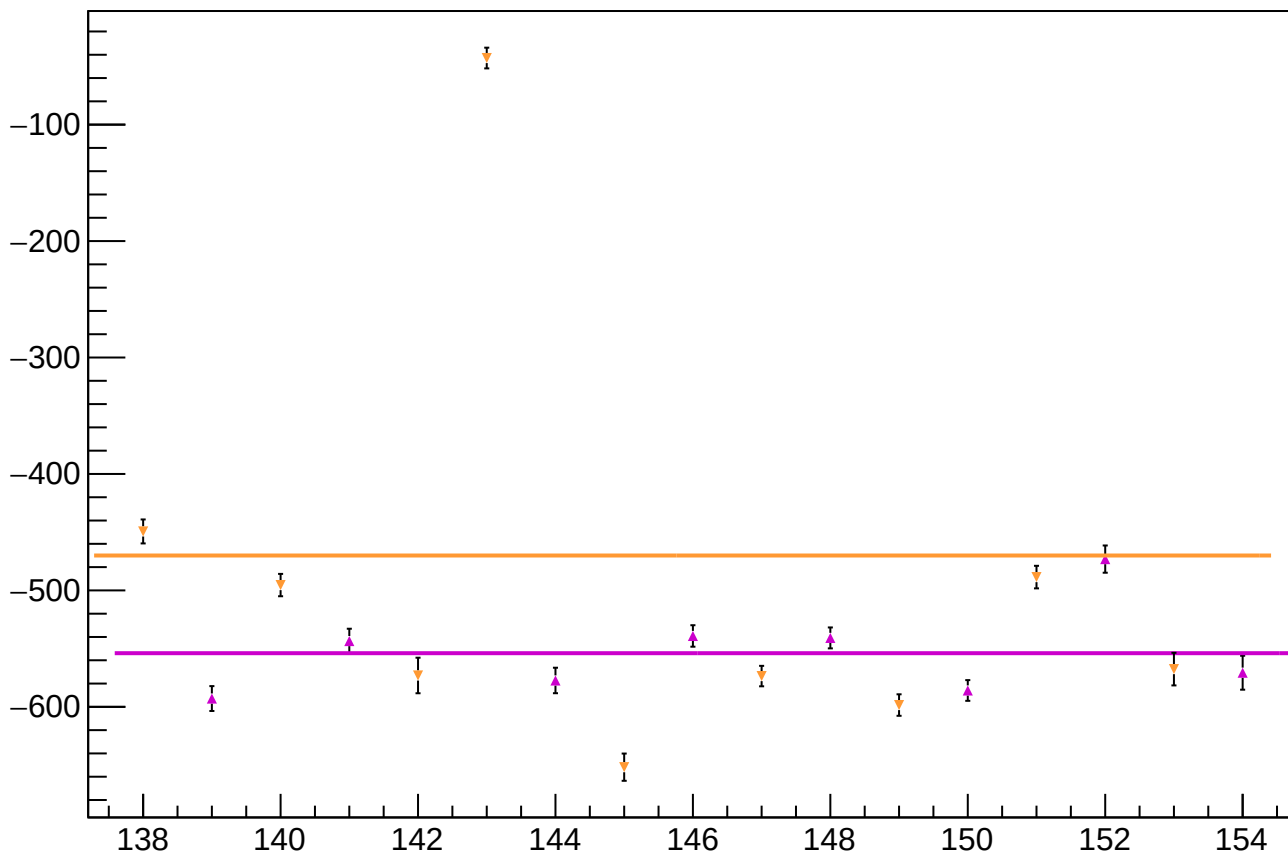
Right: -10.840 ± 0.043 $\chi^2/\text{NDF}: 1137294.9/35$

In: -20.964 ± 0.032 $\chi^2/\text{NDF}: 730149.2/24$

Out: -22.153 ± 0.034 $\chi^2/\text{NDF}: 747900.5/27$

All: -21.528 ± 0.023 $\chi^2/\text{NDF}: 1478700.5/52$

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -470.028 ± 3.431 χ^2/NDF : 2987.3/8

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -553.920 ± 3.655 χ^2/NDF : 85.6/7

Left: -509.316 ± 2.502 χ^2/NDF : 3352.9/16

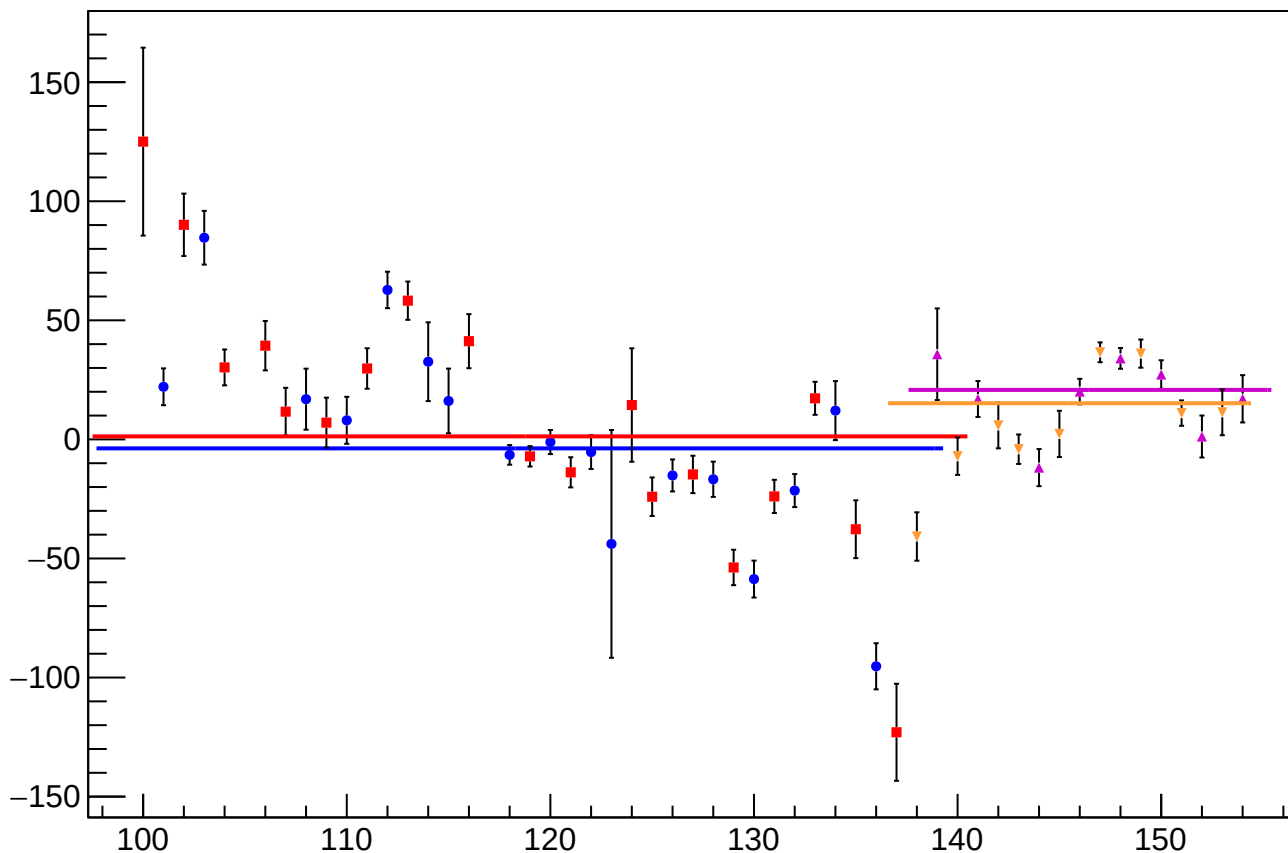
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -553.920 ± 3.655 χ^2/NDF : 85.6/7

Out: -470.028 ± 3.431 χ^2/NDF : 2987.3/8

All: -509.316 ± 2.502 χ^2/NDF : 3352.9/16

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.773 ± 1.889 χ^2/NDF : 314.3/16

Left Out: 15.186 ± 2.205 χ^2/NDF : 90.4/8

Right Out: 1.265 ± 1.920 χ^2/NDF : 303.7/18

Left In: 20.780 ± 2.389 χ^2/NDF : 33.9/7

Left: 17.759 ± 1.620 χ^2/NDF : 127.2/16

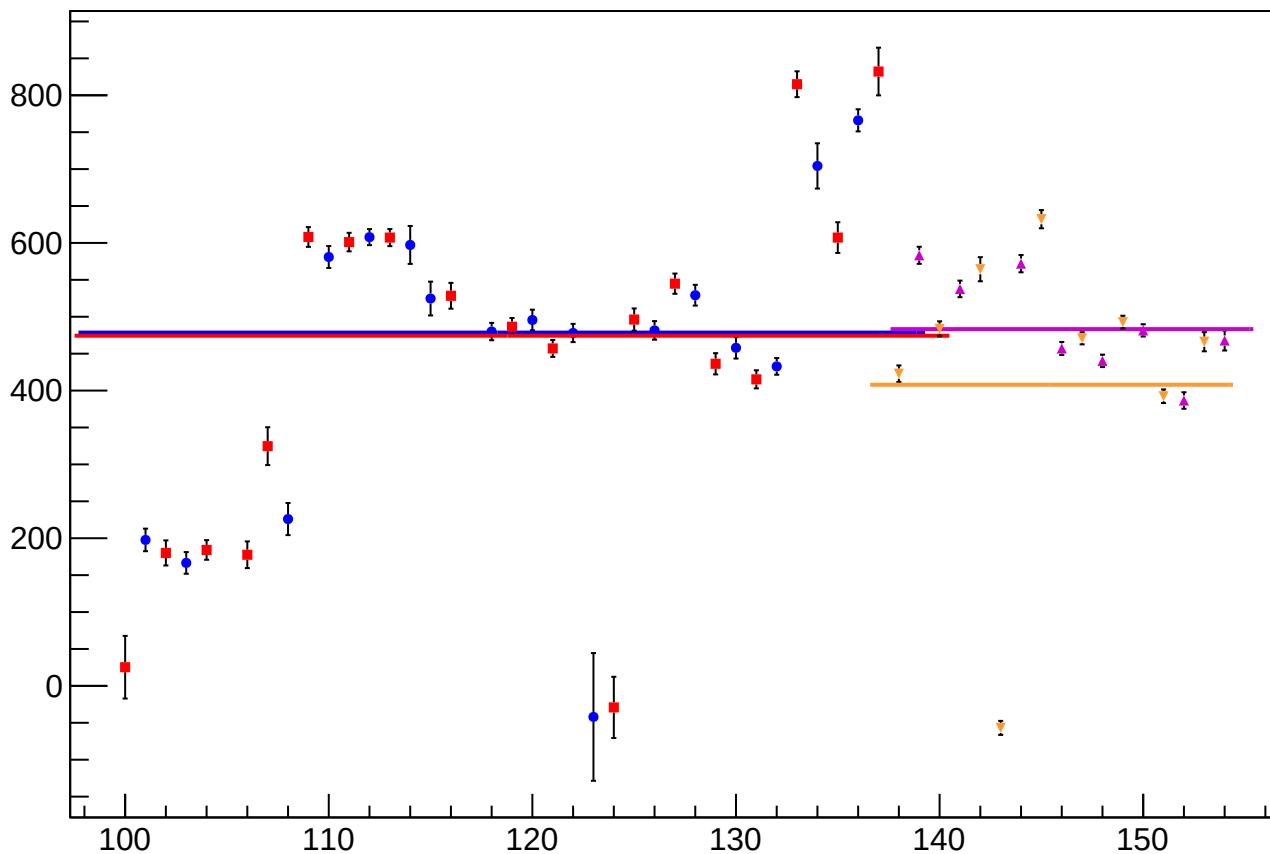
Right: -1.296 ± 1.346 χ^2/NDF : 621.6/35

In: 5.668 ± 1.482 χ^2/NDF : 413.2/24

Out: 7.270 ± 1.448 χ^2/NDF : 416.8/27

All: 6.487 ± 1.036 χ^2/NDF : 830.6/52

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 478.526 $\pm$ 3.630 χ^2 /NDF: 1629.0/16

Left Out: 407.891 $\pm$ 3.430 χ^2 /NDF:3053.2/8

Right Out: 474.328 $\pm$ 3.533 χ^2 /NDF: 2287.1/18

Left In: 483.255 $\pm$ 3.592 χ^2 /NDF:266.3/7

Left: 443.839 $\pm$ 2.481 χ^2 /NDF: 3549.7/16

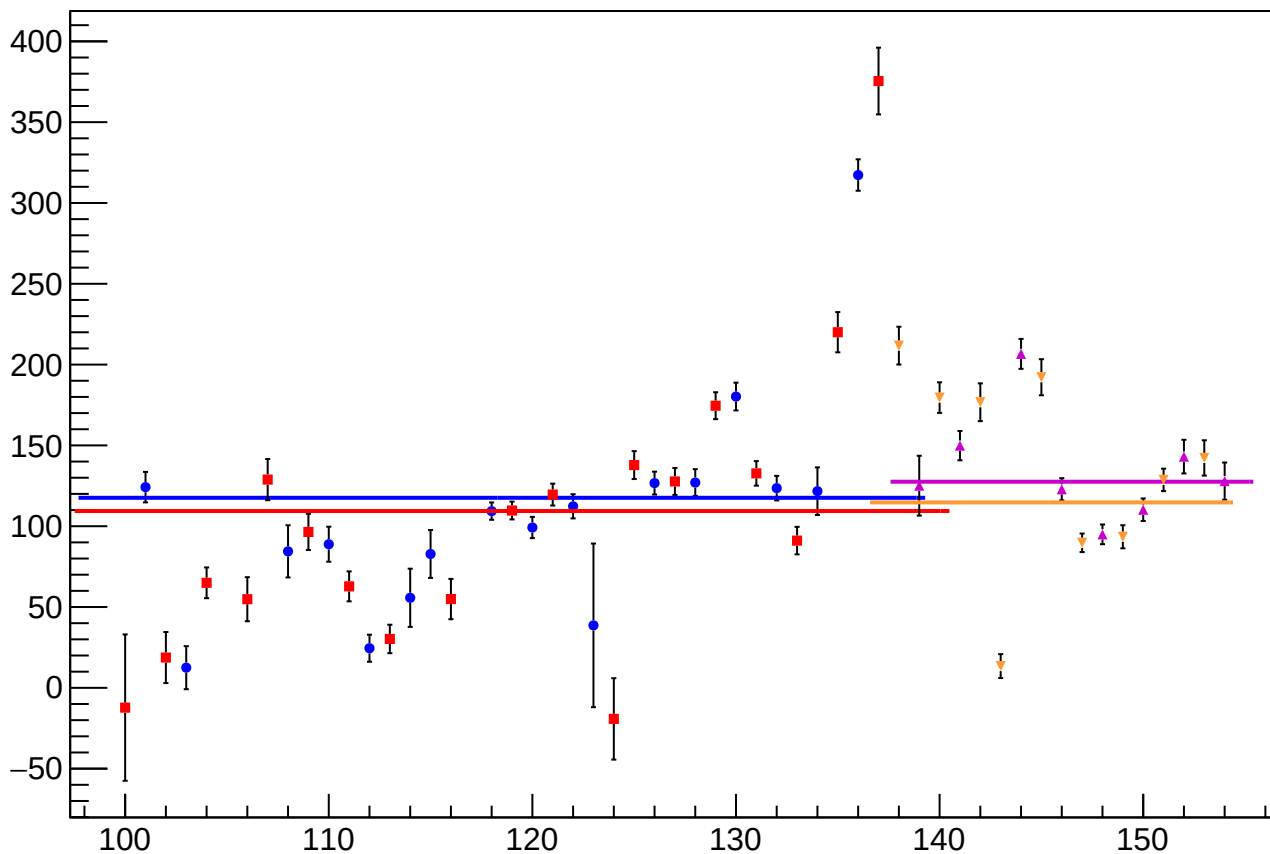
Right: 476.370 $\pm$ 2.532 χ^2 /NDF: 3916.8/35

In: 480.916 $\pm$ 2.553 χ^2 /NDF:1896.1/24

Out: 440.132 $\pm$ 2.461 χ^2 /NDF:5522.4/27

All: 459.774 $\pm$ 1.772 χ^2 /NDF: 7550.8/52

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 117.585 ± 2.193 $\chi^2/\text{NDF}: 706.9/16$

Left Out: 114.726 ± 2.762 $\chi^2/\text{NDF}: 417.5/8$

Right Out: 109.400 ± 2.210 $\chi^2/\text{NDF}: 571.2/18$

Left In: 127.533 ± 2.983 $\chi^2/\text{NDF}: 116.7/7$

Left: 120.637 ± 2.027 $\chi^2/\text{NDF}: 544.1/16$

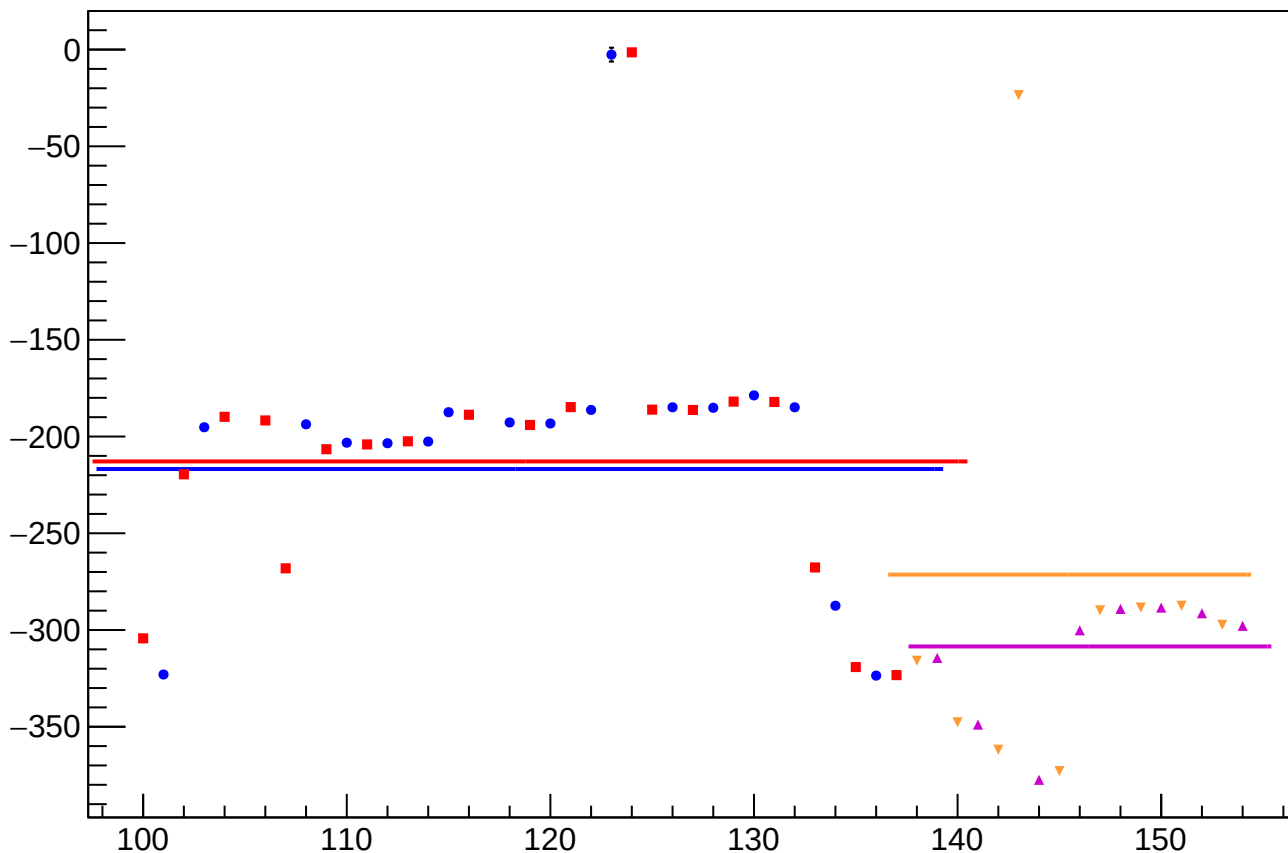
Right: 113.524 ± 1.557 $\chi^2/\text{NDF}: 1285.0/35$

In: 121.075 ± 1.767 $\chi^2/\text{NDF}: 830.8/24$

Out: 111.479 ± 1.725 $\chi^2/\text{NDF}: 991.0/27$

All: 116.163 ± 1.234 $\chi^2/\text{NDF}: 1836.9/52$

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -216.796 ± 0.136 $\chi^2/\text{NDF}: 146976.1/16$

Left Out: -271.349 ± 0.144 $\chi^2/\text{NDF}: 536110.7/8$

Right Out: -212.869 ± 0.130 $\chi^2/\text{NDF}: 116393.6/18$

Left In: -308.498 ± 0.148 $\chi^2/\text{NDF}: 34678.5/7$

Left: -289.431 ± 0.103 $\chi^2/\text{NDF}: 603191.5/16$

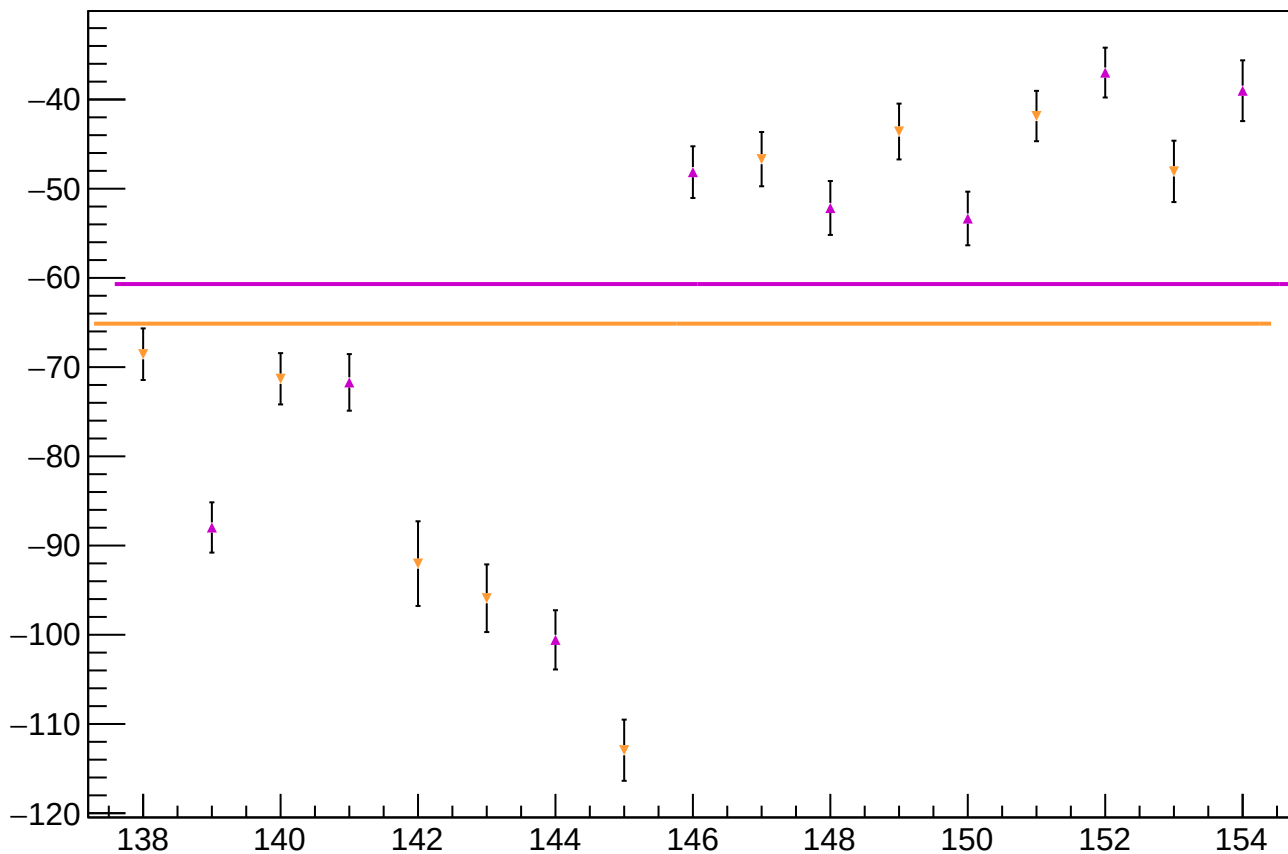
Right: -214.751 ± 0.094 $\chi^2/\text{NDF}: 263806.1/35$

In: -258.708 ± 0.100 $\chi^2/\text{NDF}: 390522.0/24$

Out: -239.167 ± 0.097 $\chi^2/\text{NDF}: 743292.1/27$

All: -248.599 ± 0.069 $\chi^2/\text{NDF}: 1153586.5/52$

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -65.127+/-1.078 χ^2/NDF :475.3/8

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

Left In: -60.689+/-1.072 χ^2/NDF :395.4/7

Left: -62.895+/-0.760 χ^2/NDF : 879.2/16

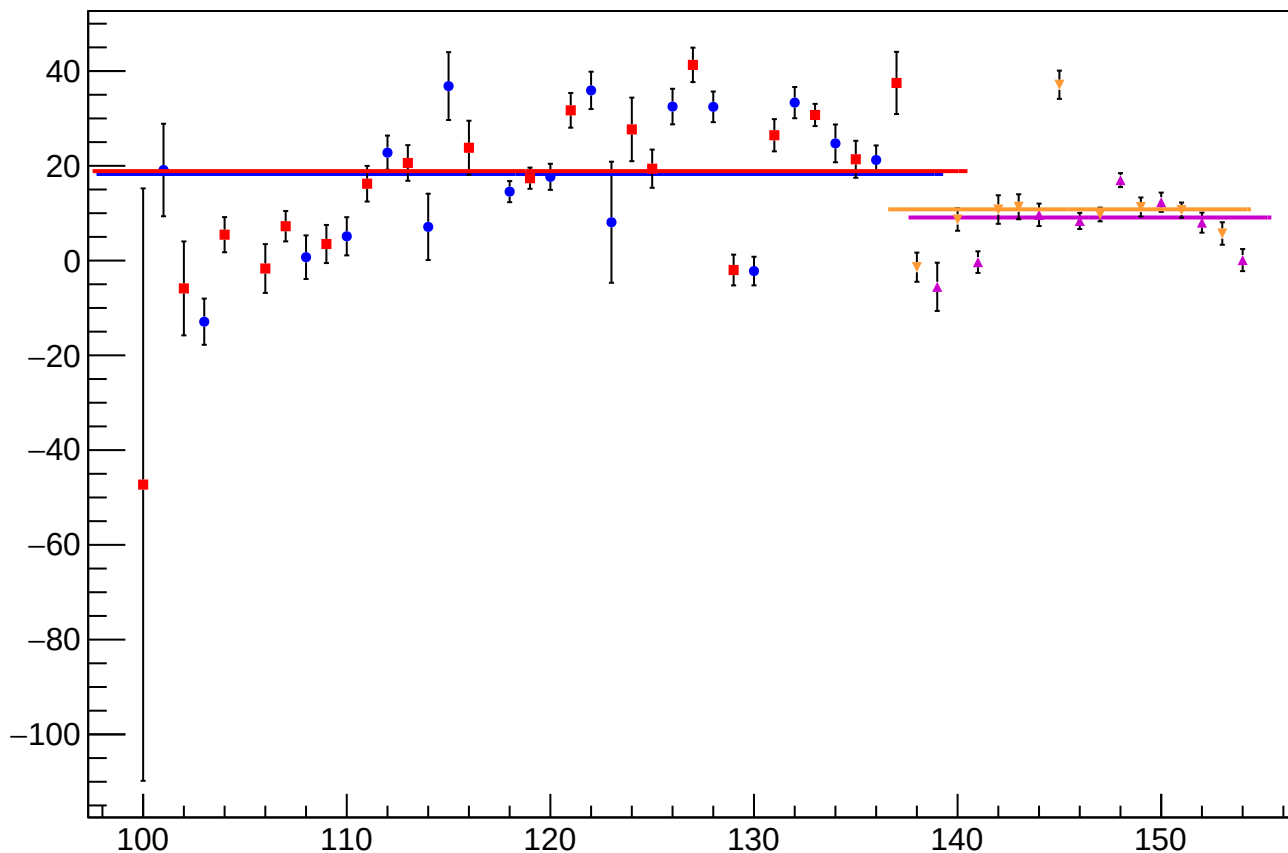
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -60.689+/-1.072 χ^2/NDF :395.4/7

Out: -65.127+/-1.078 χ^2/NDF :475.3/8

All: -62.895+/-0.760 χ^2/NDF : 879.2/16

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.279 $\pm$ 0.906 χ^2 /NDF: 204.6/16

Left Out: 10.814 $\pm$ 0.717 χ^2 /NDF: 99.6/8

Right Out: 18.882 $\pm$ 0.864 χ^2 /NDF: 198.4/18

Left In: 9.093 $\pm$ 0.732 χ^2 /NDF: 72.1/7

Left: 9.971 $\pm$ 0.512 χ^2 /NDF: 174.5/16

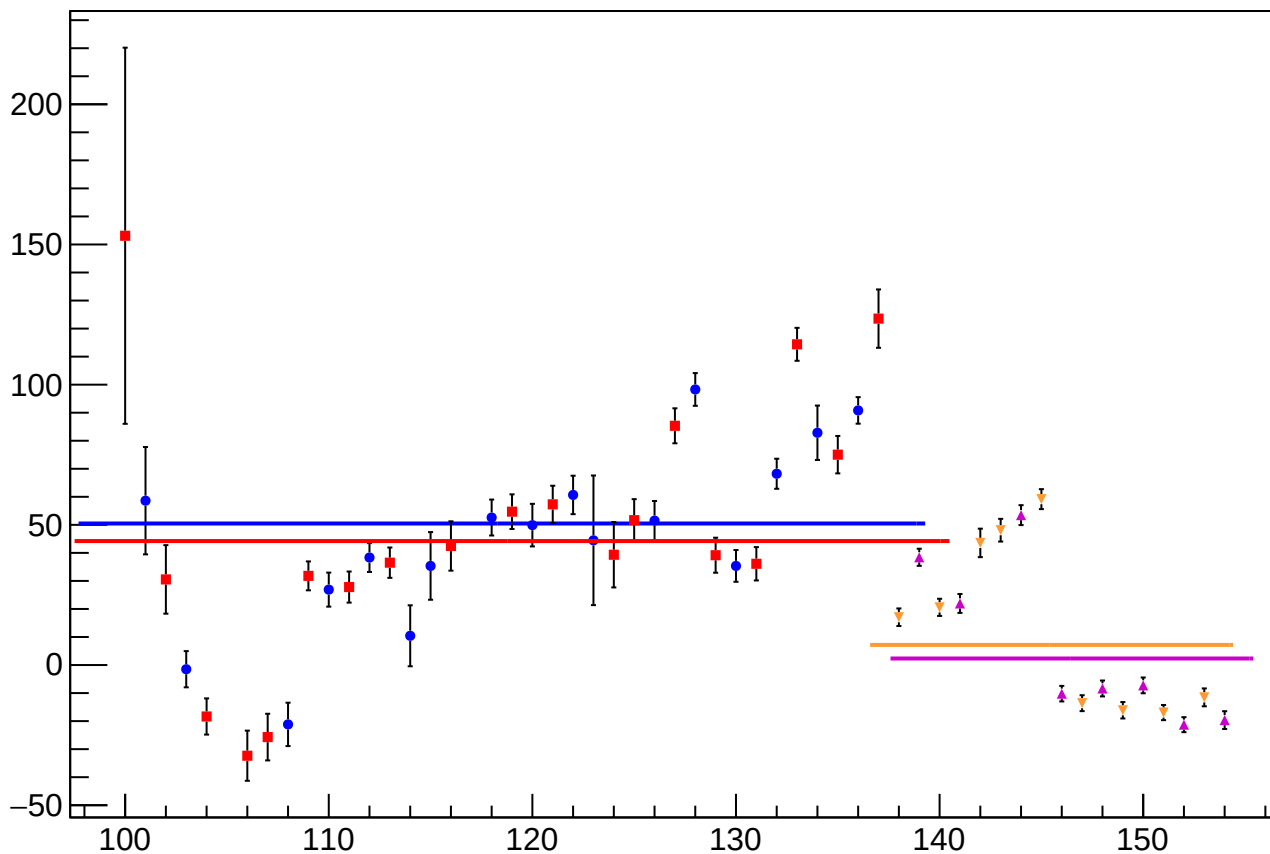
Right: 18.595 $\pm$ 0.625 χ^2 /NDF: 403.2/35

In: 12.726 $\pm$ 0.569 χ^2 /NDF: 338.9/24

Out: 14.104 $\pm$ 0.552 χ^2 /NDF: 349.6/27

All: 13.436 $\pm$ 0.396 χ^2 /NDF: 691.5/52

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 50.482 ± 1.668 $\chi^2/\text{NDF}: 357.9/16$

Left Out: 7.177 ± 1.076 $\chi^2/\text{NDF}: 626.9/8$

Right Out: 44.222 ± 1.602 $\chi^2/\text{NDF}: 534.4/18$

Left In: 2.331 ± 1.057 $\chi^2/\text{NDF}: 553.7/7$

Left: 4.710 ± 0.754 $\chi^2/\text{NDF}: 1191.0/16$

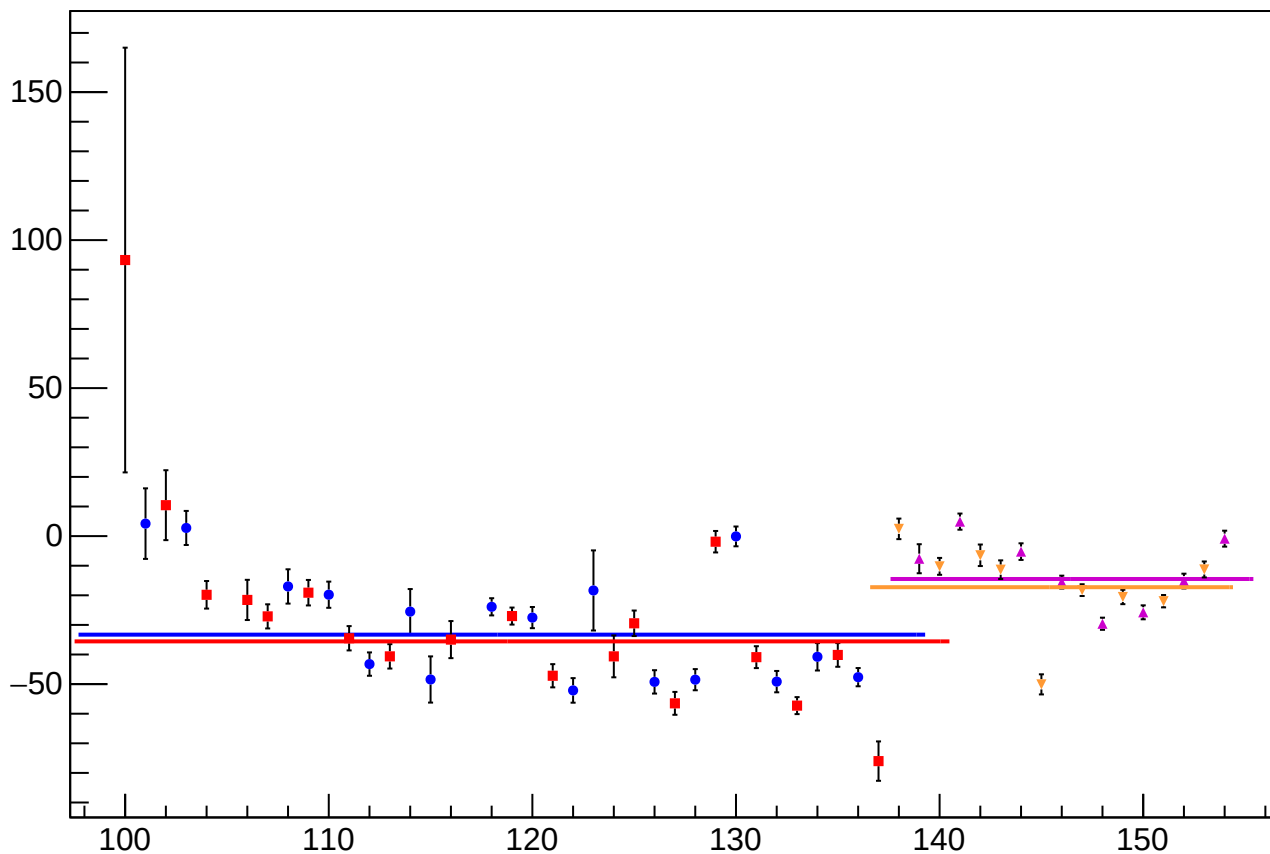
Right: 47.226 ± 1.156 $\chi^2/\text{NDF}: 899.6/35$

In: 16.123 ± 0.893 $\chi^2/\text{NDF}: 1506.3/24$

Out: 18.696 ± 0.894 $\chi^2/\text{NDF}: 1529.5/27$

All: 17.408 ± 0.632 $\chi^2/\text{NDF}: 3040.0/52$

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.292 ± 1.033 $\chi^2/\text{NDF}: 289.1/16$

Left Out: -17.260 ± 0.891 $\chi^2/\text{NDF}: 156.2/8$

Right Out: -35.566 ± 0.992 $\chi^2/\text{NDF}: 287.6/18$

Left In: -14.486 ± 0.902 $\chi^2/\text{NDF}: 166.2/7$

Left: -15.891 ± 0.634 $\chi^2/\text{NDF}: 327.2/16$

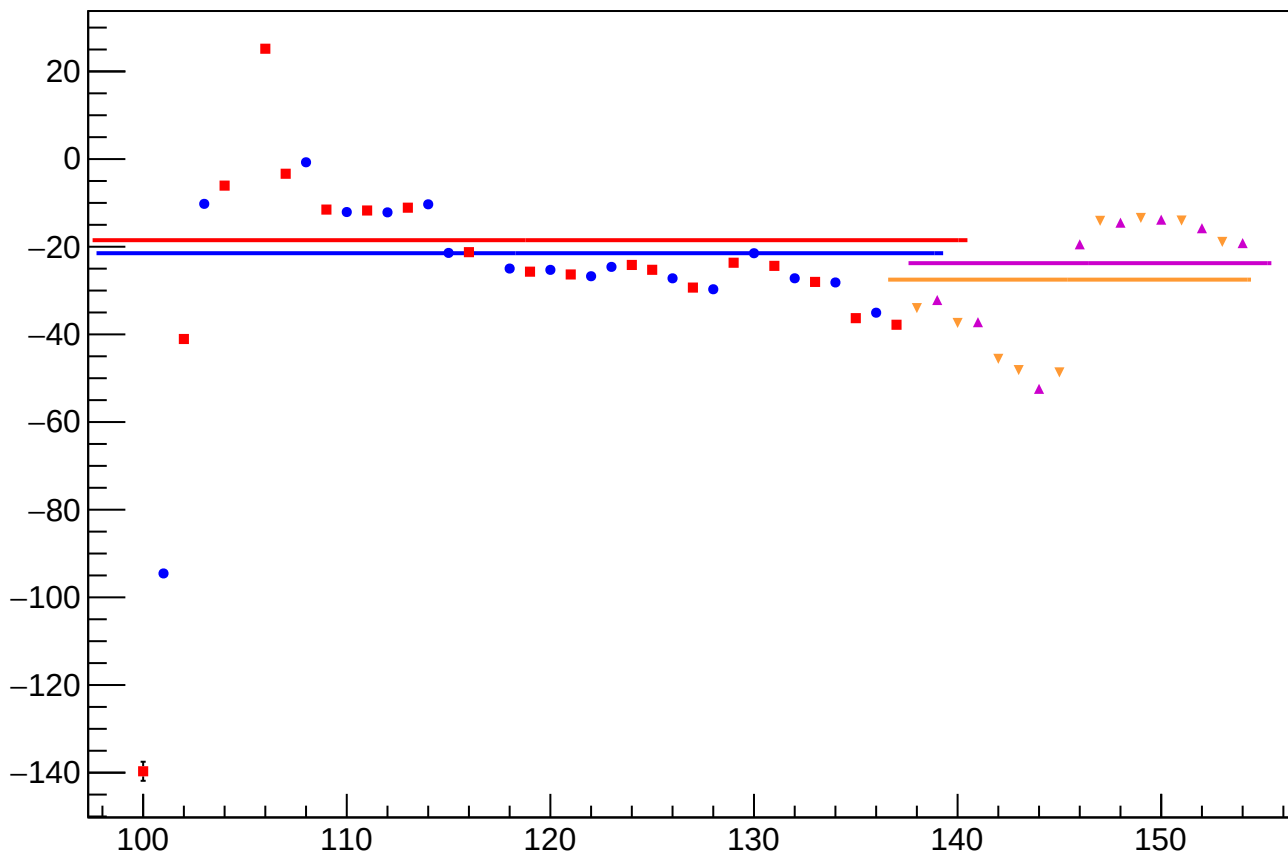
Right: -34.474 ± 0.716 $\chi^2/\text{NDF}: 579.3/35$

In: -22.626 ± 0.680 $\chi^2/\text{NDF}: 643.2/24$

Out: -25.432 ± 0.663 $\chi^2/\text{NDF}: 632.2/27$

All: -24.063 ± 0.475 $\chi^2/\text{NDF}: 1284.2/52$

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -21.476 ± 0.059 $\chi^2/\text{NDF}: 49009.8/16$

Left Out: -27.506 ± 0.045 $\chi^2/\text{NDF}: 96597.1/8$

Right Out: -18.506 ± 0.057 $\chi^2/\text{NDF}: 80734.5/18$

Left In: -23.749 ± 0.043 $\chi^2/\text{NDF}: 71066.3/7$

Left: -25.551 ± 0.031 $\chi^2/\text{NDF}: 171373.5/16$

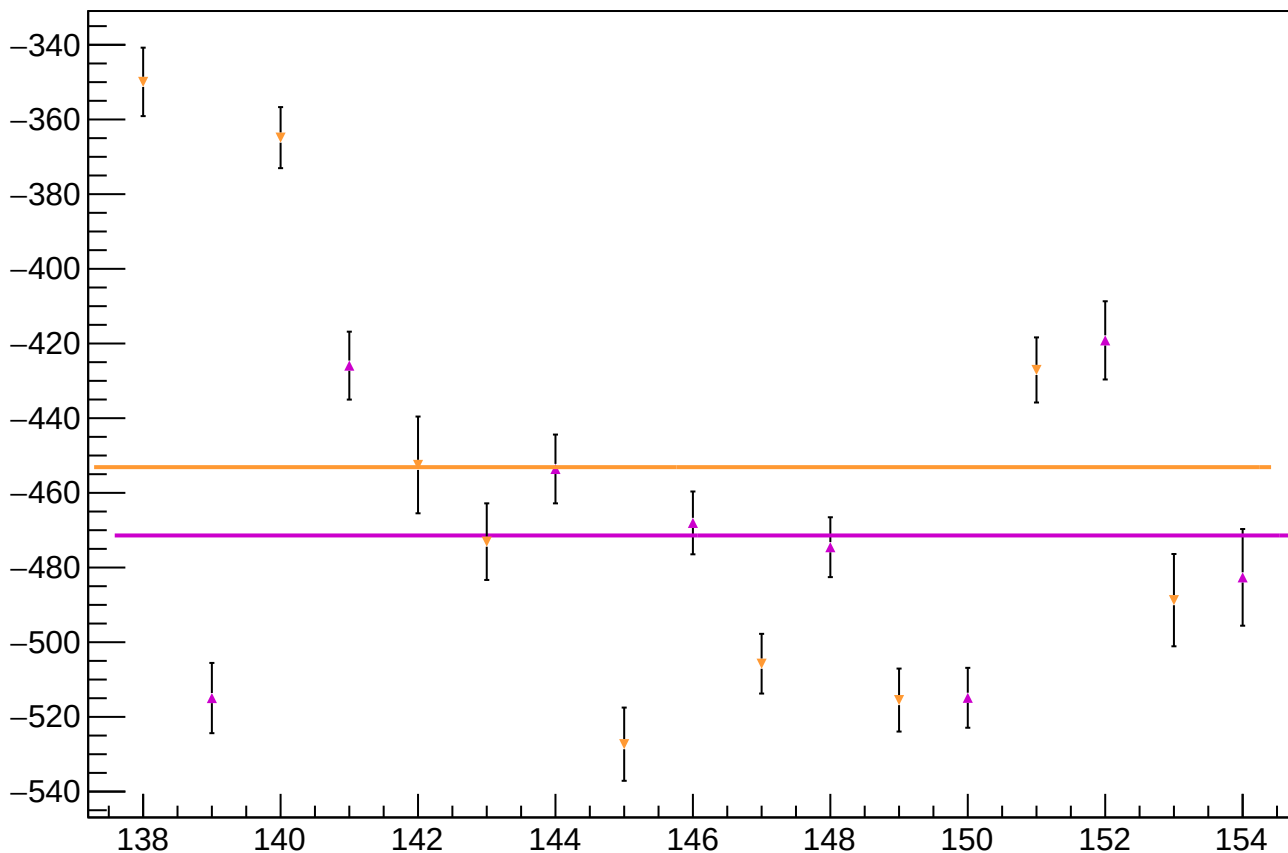
Right: -19.957 ± 0.041 $\chi^2/\text{NDF}: 131054.3/35$

In: -22.962 ± 0.035 $\chi^2/\text{NDF}: 121056.5/24$

Out: -24.124 ± 0.035 $\chi^2/\text{NDF}: 192704.6/27$

All: -23.532 ± 0.025 $\chi^2/\text{NDF}: 314317.0/52$

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -453.113+/-3.129 χ^2/NDF :419.6/8

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

Left In: -471.410+/-3.236 χ^2/NDF :105.5/7

Left: -461.953+/-2.250 χ^2/NDF : 541.6/16

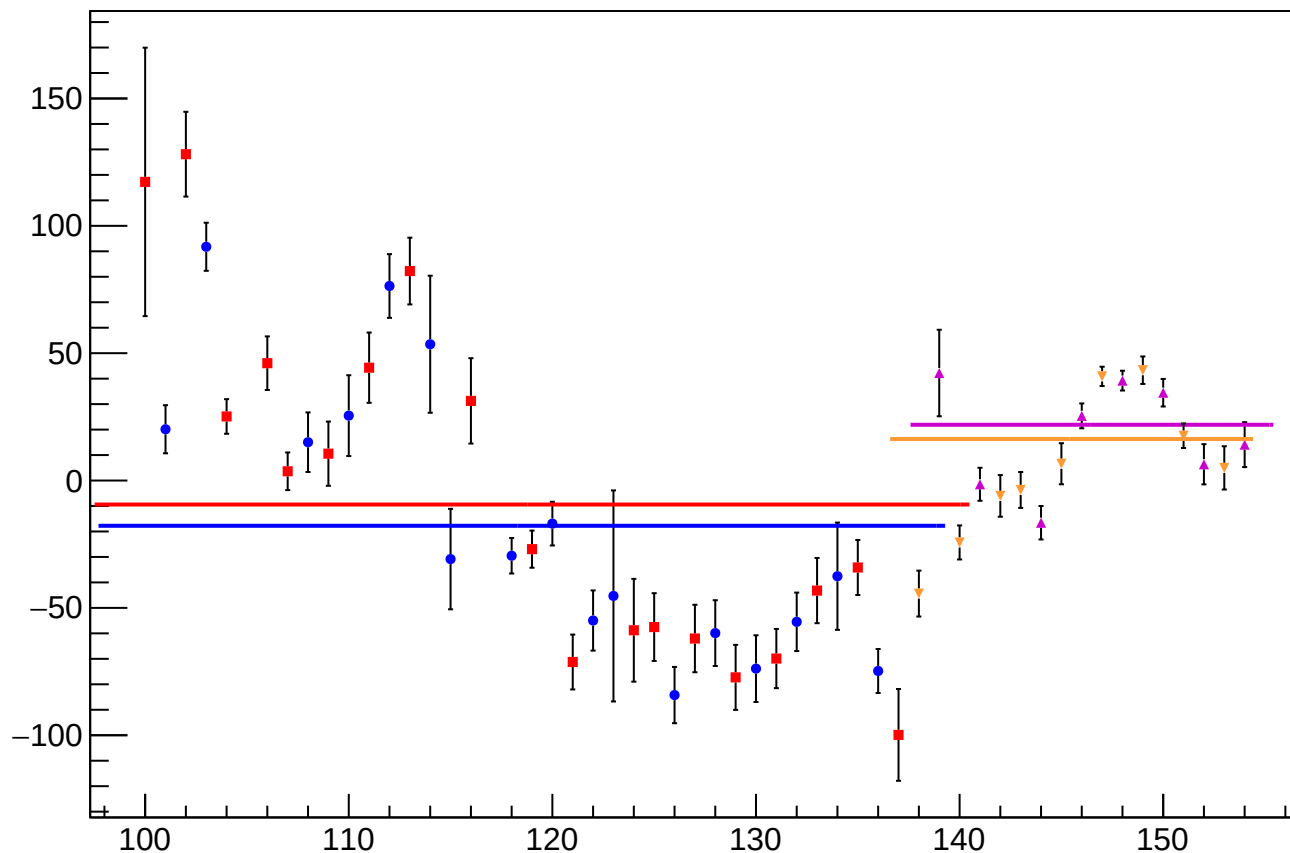
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -471.410+/-3.236 χ^2/NDF :105.5/7

Out: -453.113+/-3.129 χ^2/NDF :419.6/8

All: -461.953+/-2.250 χ^2/NDF : 541.6/16

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -17.765 ± 2.781 χ^2/NDF : 363.9/16

Left Out: 16.299 ± 2.015 χ^2/NDF : 168.3/8

Right Out: -9.417 ± 2.613 χ^2/NDF : 369.6/18

Left In: 21.894 ± 2.123 χ^2/NDF : 79.2/7

Left: 18.951 ± 1.462 χ^2/NDF : 251.1/16

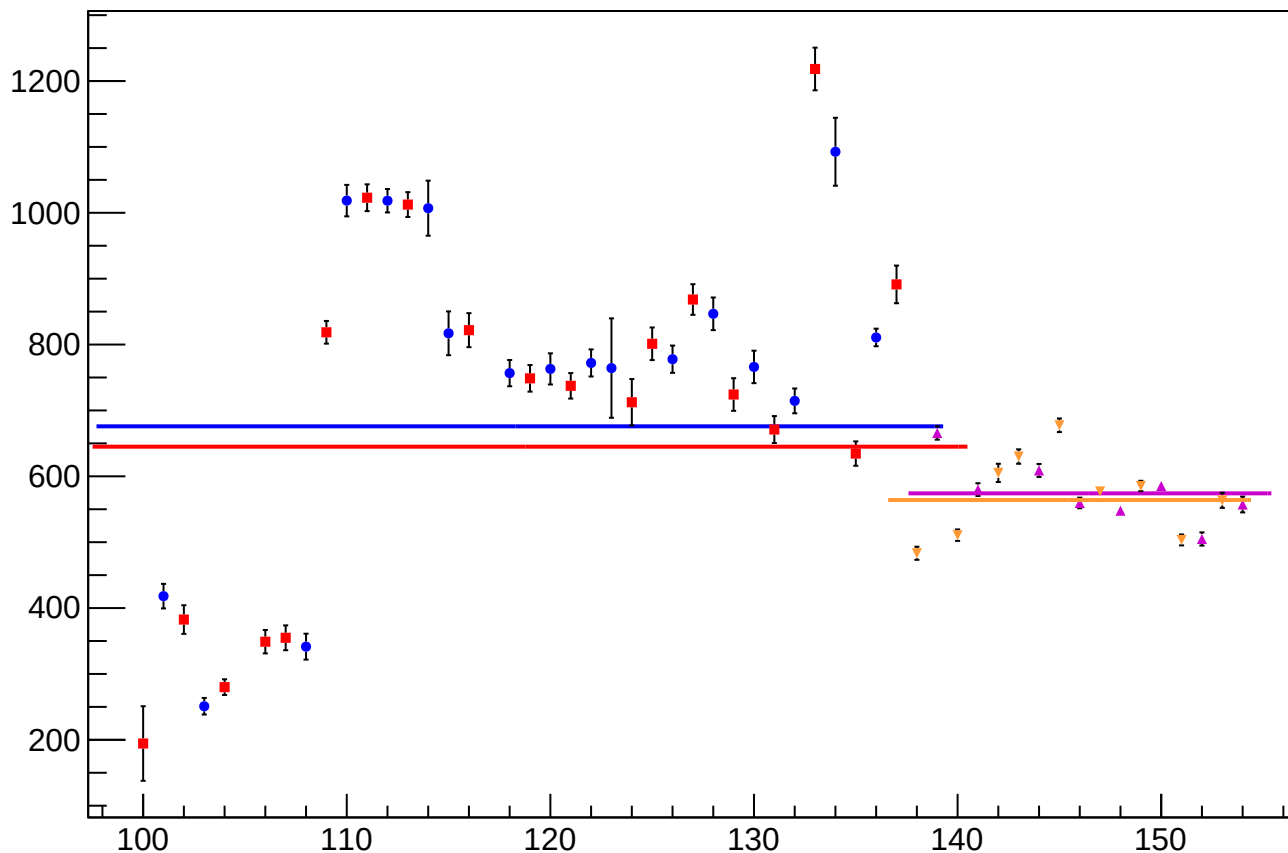
Right: -13.331 ± 1.905 χ^2/NDF : 738.2/35

In: 7.295 ± 1.688 χ^2/NDF : 571.5/24

Out: 6.708 ± 1.596 χ^2/NDF : 598.6/27

All: 6.985 ± 1.160 χ^2/NDF : 1170.2/52

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 675.871 ± 5.037 χ^2/NDF : 2586.4/16

Left Out: 563.976 ± 3.126 χ^2/NDF : 332.6/8

Right Out: 645.014 ± 4.761 χ^2/NDF : 3123.3/18

Left In: 574.149 ± 3.187 χ^2/NDF : 161.3/7

Left: 568.964 ± 2.232 χ^2/NDF : 499.1/16

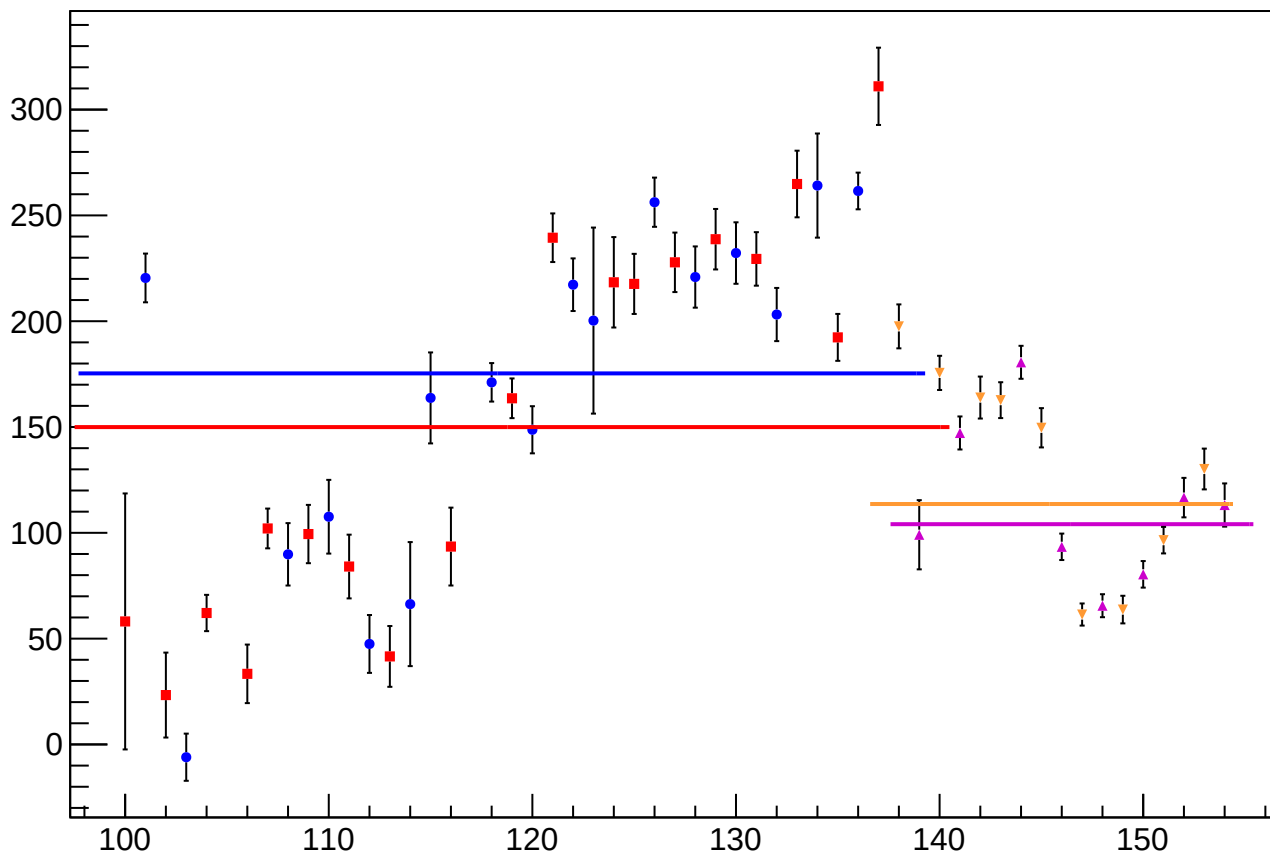
Right: 659.573 ± 3.460 χ^2/NDF : 5729.5/35

In: 603.234 ± 2.693 χ^2/NDF : 3038.9/24

Out: 588.388 ± 2.613 χ^2/NDF : 3658.4/27

All: 595.586 ± 1.875 χ^2/NDF : 6712.9/52

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 175.341 $\pm$ 3.203 χ^2 /NDF: 638.5/16

Left Out: 113.613 $\pm$ 2.526 χ^2 /NDF:367.3/8

Right Out: 149.966 $\pm$ 3.045 χ^2 /NDF: 693.2/18

Left In: 104.086 $\pm$ 2.648 χ^2 /NDF:197.1/7

Left: 109.073 $\pm$ 1.828 χ^2 /NDF: 571.1/16

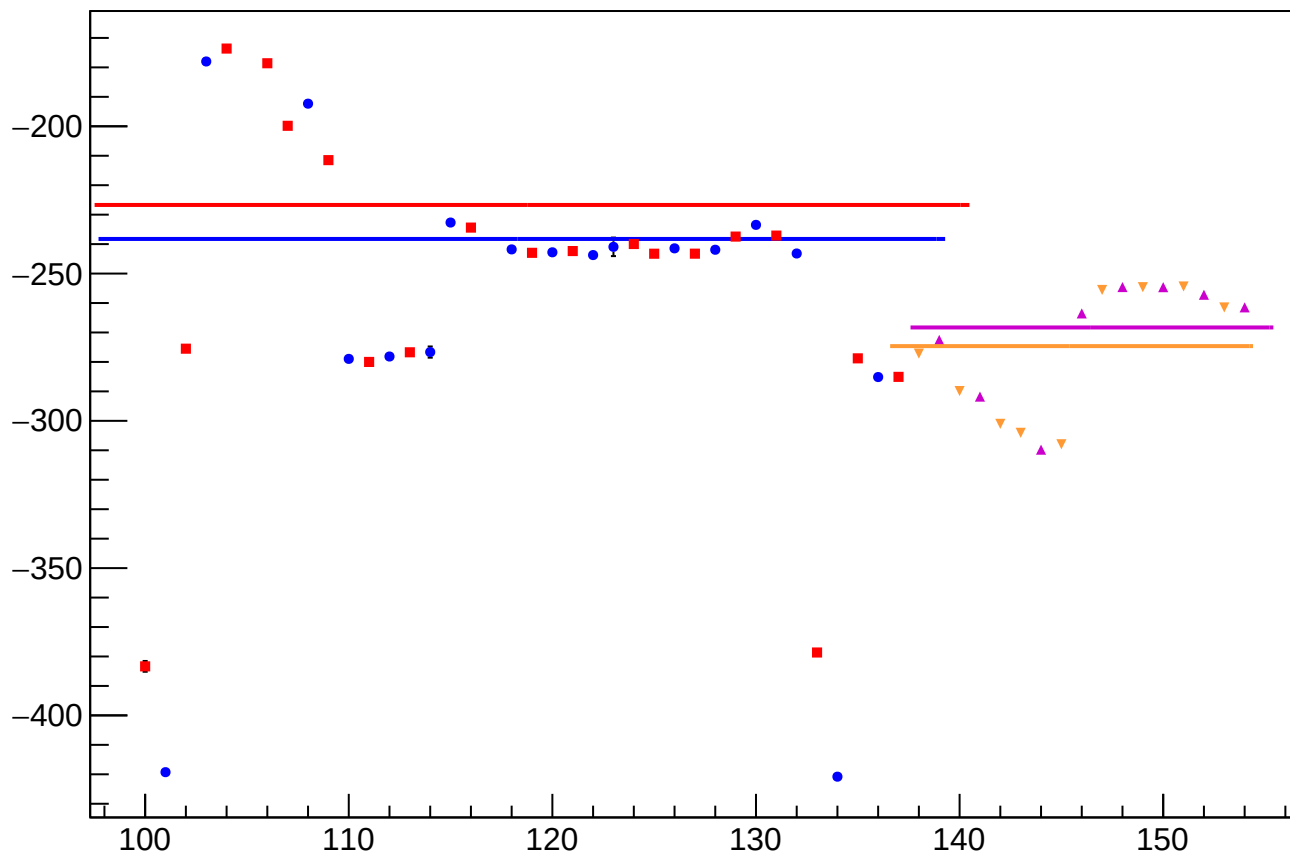
Right: 162.013 $\pm$ 2.207 χ^2 /NDF: 1364.6/35

In: 133.017 $\pm$ 2.041 χ^2 /NDF:1129.5/24

Out: 128.435 $\pm$ 1.944 χ^2 /NDF:1144.8/27

All: 130.615 $\pm$ 1.408 χ^2 /NDF: 2277.0/52

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.248+/-0.160 χ^2/NDF : 167125.9/16

Left Out: -274.631+/-0.131 χ^2/NDF :25557.5/8

Right Out: -226.706+/-0.151 χ^2/NDF : 102831.3/18

Left In: -268.297+/-0.131 χ^2/NDF :17866.0/7

Left: -271.457+/-0.093 χ^2/NDF : 44587.9/16

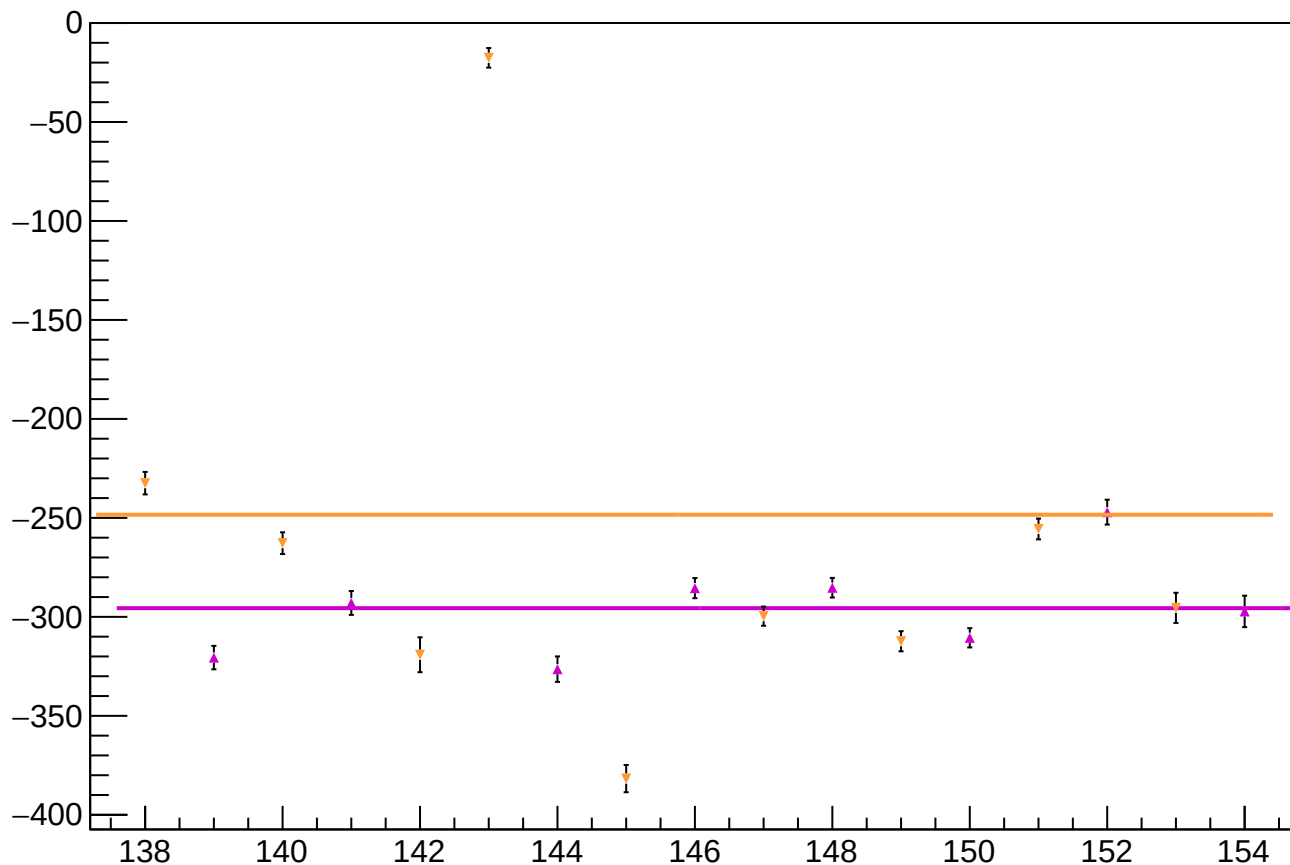
Right: -232.150+/-0.110 χ^2/NDF : 272709.4/35

In: -256.218+/-0.101 χ^2/NDF :206105.5/24

Out: -253.992+/-0.099 χ^2/NDF :185664.9/27

All: -255.080+/-0.071 χ^2/NDF : 392016.9/52

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: -248.404+/-1.911 χ^2/NDF :2941.0/8

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

Left In: -295.612+/-2.029 χ^2/NDF :118.2/7

Left: -270.595+/-1.391 χ^2/NDF : 3346.0/16

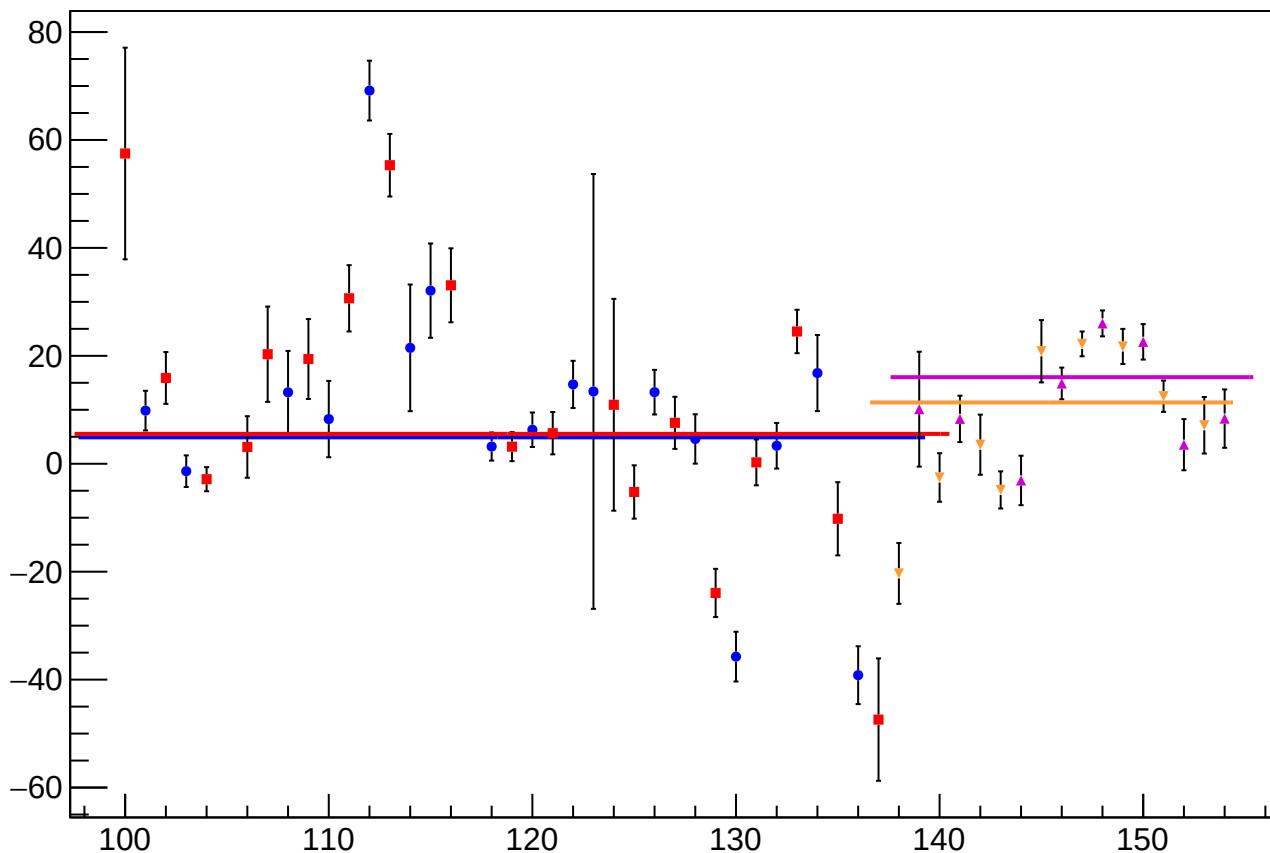
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -295.612+/-2.029 χ^2/NDF :118.2/7

Out: -248.404+/-1.911 χ^2/NDF :2941.0/8

All: -270.595+/-1.391 χ^2/NDF : 3346.0/16

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.896 ± 1.089 χ^2/NDF : 312.0/16

Left Out: 11.362 ± 1.224 χ^2/NDF : 101.3/8

Right Out: 5.534 ± 1.071 χ^2/NDF : 239.1/18

Left In: 16.044 ± 1.323 χ^2/NDF : 51.3/7

Left: 13.521 ± 0.898 χ^2/NDF : 159.4/16

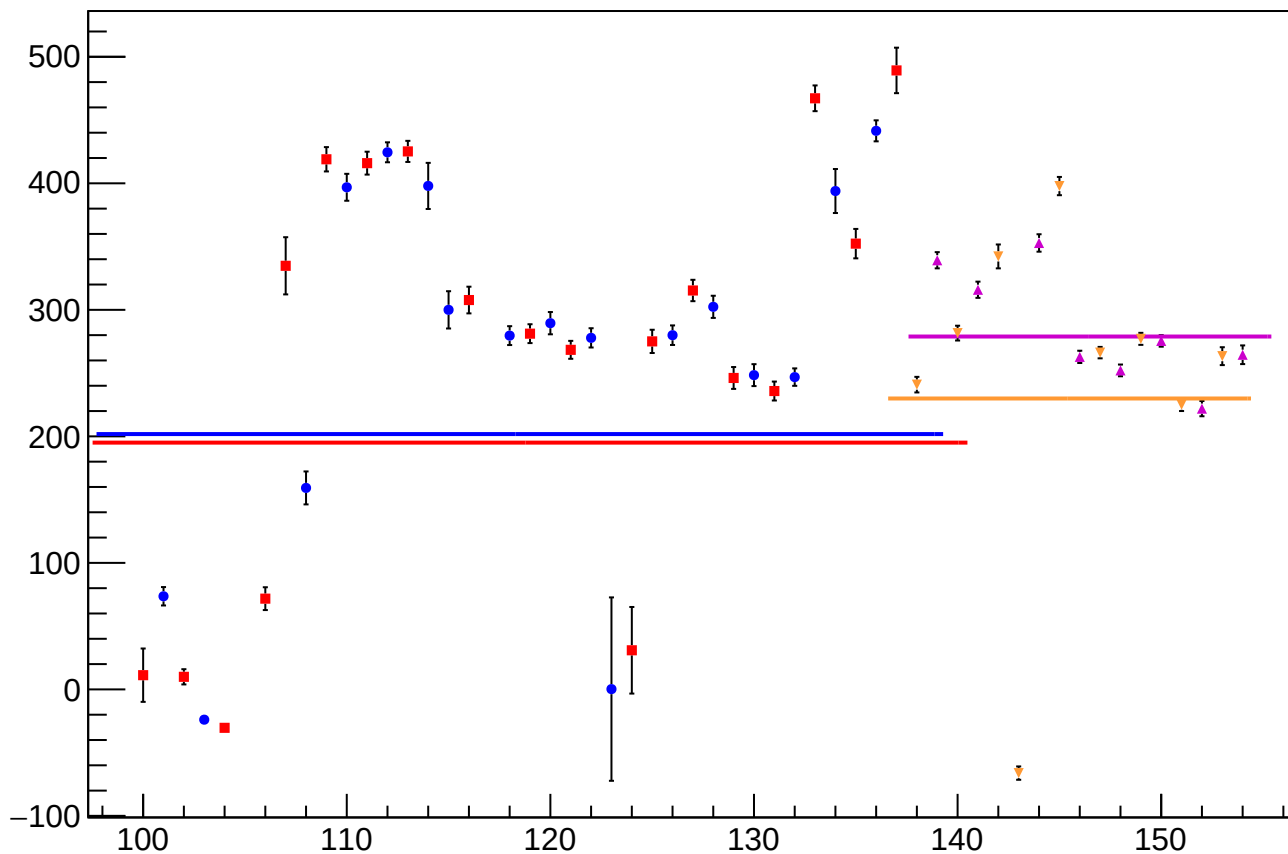
Right: 5.220 ± 0.764 χ^2/NDF : 551.3/35

In: 9.399 ± 0.841 χ^2/NDF : 405.6/24

Out: 8.062 ± 0.806 χ^2/NDF : 353.3/27

All: 8.703 ± 0.582 χ^2/NDF : 760.2/52

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 201.807 $\pm$ 1.970 χ^2 /NDF: 6754.2/16

Left Out: 229.930 $\pm$ 1.907 χ^2 /NDF:4093.7/8

Right Out: 195.053 $\pm$ 1.924 χ^2 /NDF: 8257.1/18

Left In: 278.910 $\pm$ 1.990 χ^2 /NDF:375.2/7

Left: 253.379 $\pm$ 1.377 χ^2 /NDF: 4784.7/16

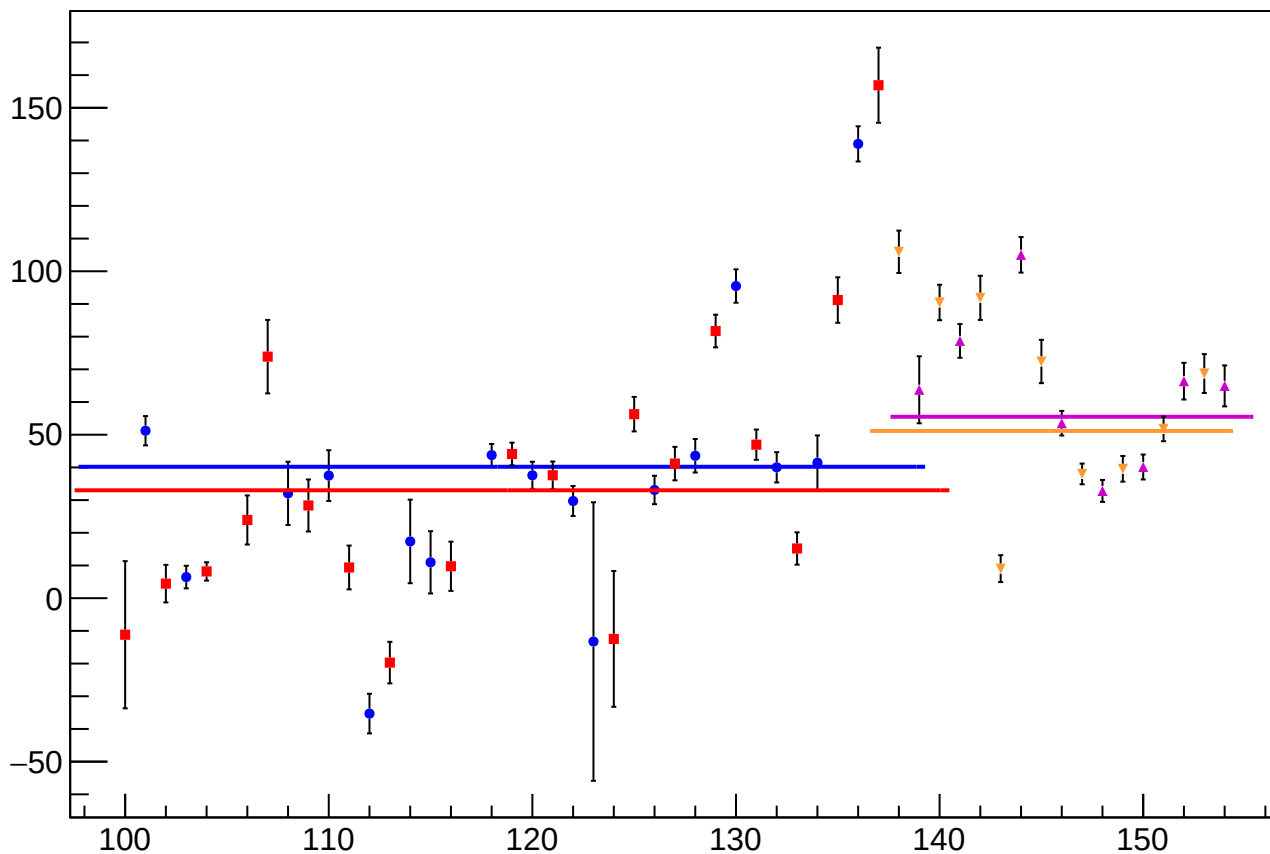
Right: 198.351 $\pm$ 1.377 χ^2 /NDF: 15017.4/35

In: 239.983 $\pm$ 1.400 χ^2 /NDF:7887.5/24

Out: 212.651 $\pm$ 1.355 χ^2 /NDF:12516.6/27

All: 225.865 $\pm$ 0.974 χ^2 /NDF: 20600.9/52

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 40.196 $\pm$ 1.268 χ^2 /NDF: 735.0/16

Left Out: 51.156 $\pm$ 1.534 χ^2 /NDF:310.3/8

Right Out: 32.999 $\pm$ 1.253 χ^2 /NDF: 554.1/18

Left In: 55.496 $\pm$ 1.653 χ^2 /NDF:171.9/7

Left: 53.165 $\pm$ 1.125 χ^2 /NDF: 485.9/16

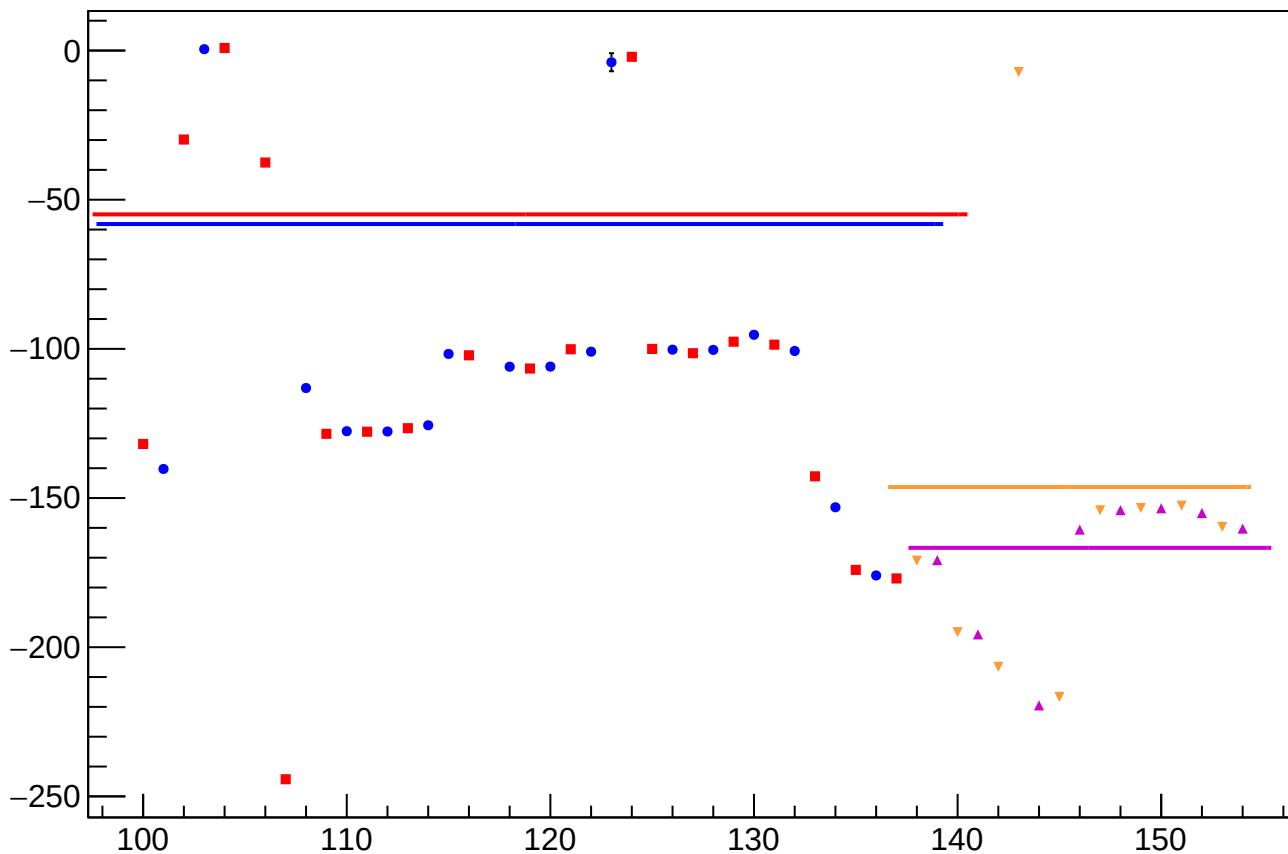
Right: 36.555 $\pm$ 0.891 χ^2 /NDF: 1305.3/35

In: 45.861 $\pm$ 1.006 χ^2 /NDF:960.8/24

Out: 40.261 $\pm$ 0.970 χ^2 /NDF:948.4/27

All: 42.960 $\pm$ 0.698 χ^2 /NDF: 1925.3/52

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -58.155 ± 0.062 $\chi^2/\text{NDF}: 1105509.3/16$

Left Out: -146.311 ± 0.080 $\chi^2/\text{NDF}: 572402.2/8$

Right Out: -54.914 ± 0.060 $\chi^2/\text{NDF}: 1003885.5/18$

Left In: -166.690 ± 0.082 $\chi^2/\text{NDF}: 55874.2/7$

Left: -156.276 ± 0.057 $\chi^2/\text{NDF}: 659966.9/16$

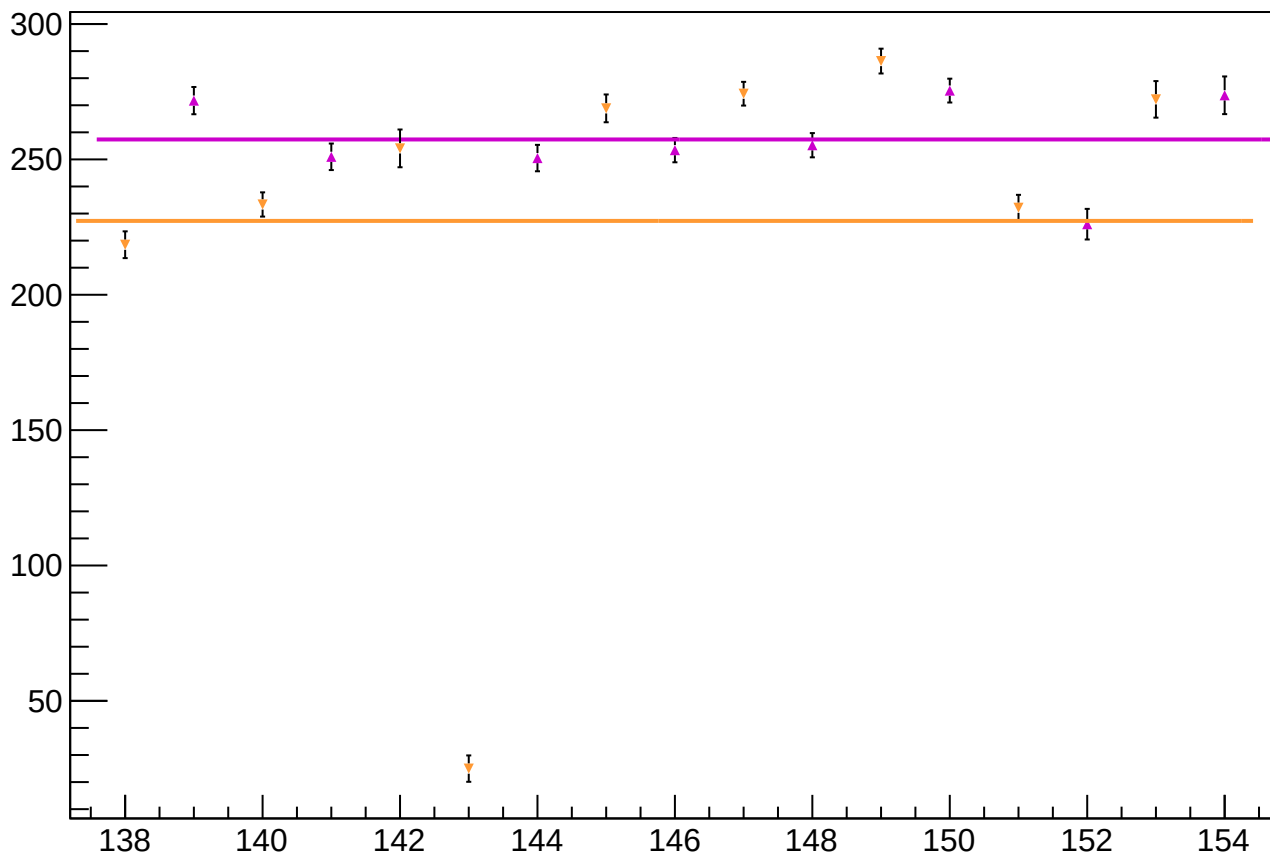
Right: -56.499 ± 0.043 $\chi^2/\text{NDF}: 2110811.0/35$

In: -97.390 ± 0.049 $\chi^2/\text{NDF}: 2284567.1/24$

Out: -87.946 ± 0.048 $\chi^2/\text{NDF}: 2408762.1/27$

All: -92.563 ± 0.034 $\chi^2/\text{NDF}: 4712159.5/52$

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: 227.283+/-1.673 χ^2/NDF :2137.2/8

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

Left In: 257.365+/-1.751 χ^2/NDF :65.8/7

Left: 241.641+/-1.210 χ^2/NDF : 2357.2/16

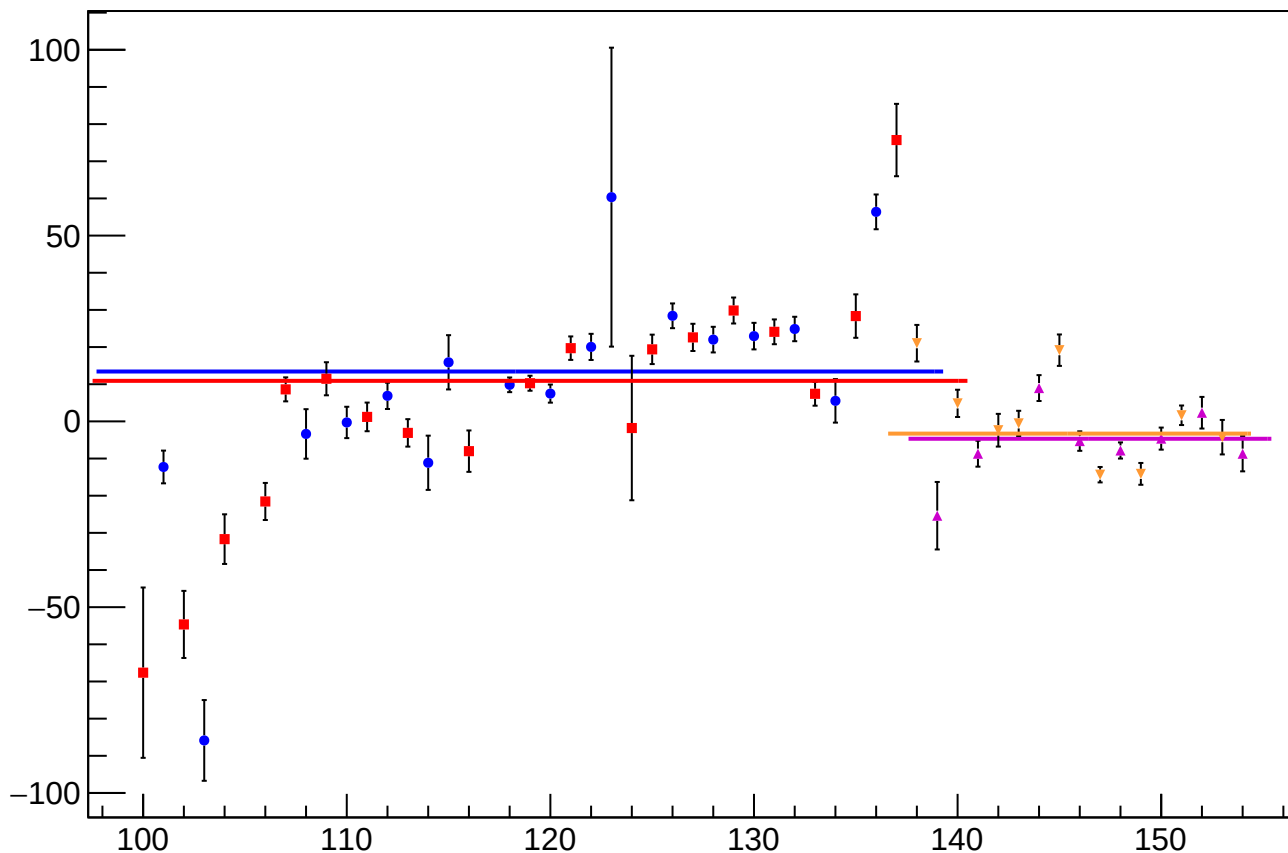
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 257.365+/-1.751 χ^2/NDF :65.8/7

Out: 227.283+/-1.673 χ^2/NDF :2137.2/8

All: 241.641+/-1.210 χ^2/NDF : 2357.2/16

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 13.423+/-0.920 χ^2/NDF : 295.2/16

Left Out: -3.292+/-1.085 χ^2/NDF : 103.7/8

Right Out: 10.908+/-0.916 χ^2/NDF : 302.6/18

Left In: -4.681+/-1.157 χ^2/NDF : 27.5/7

Left: -3.942+/-0.791 χ^2/NDF : 132.0/16

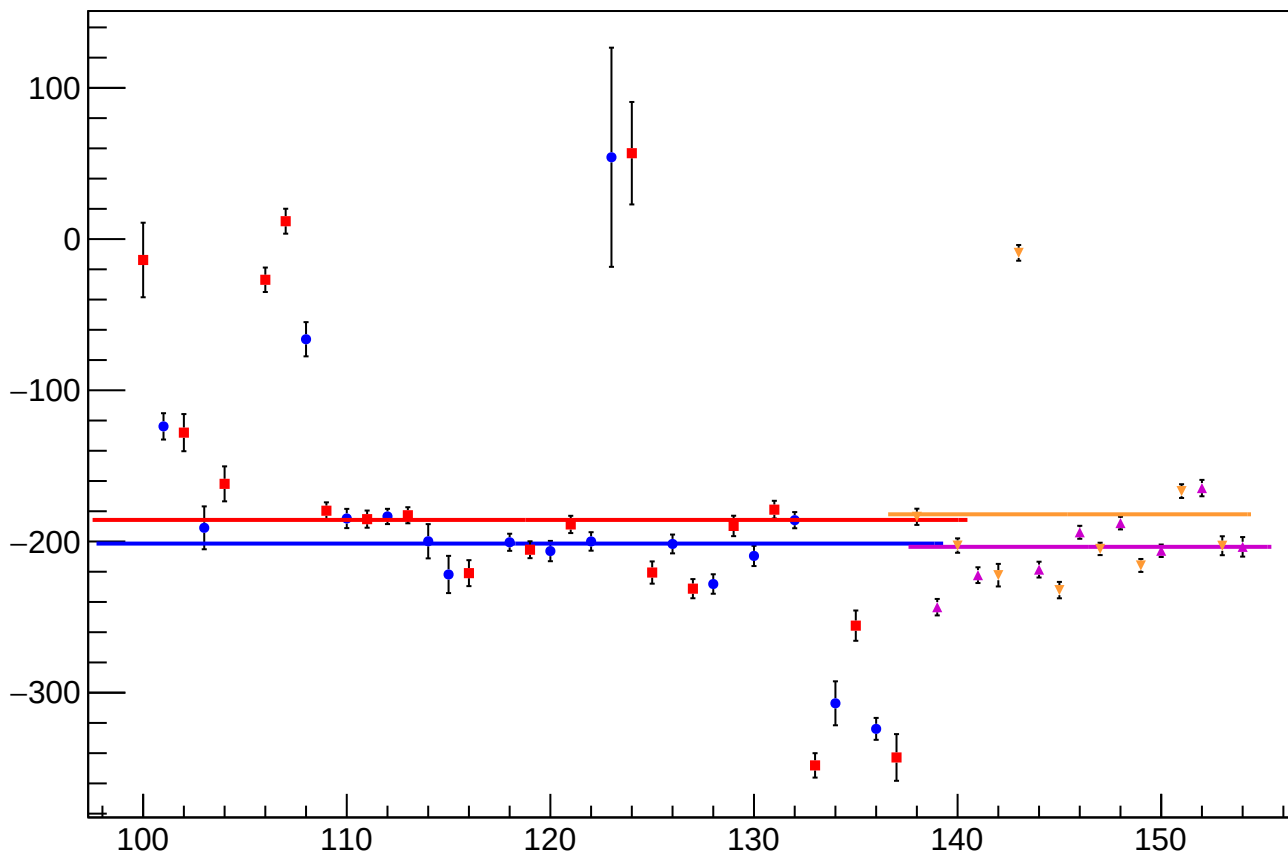
Right: 12.160+/-0.649 χ^2/NDF : 601.6/35

In: 6.413+/-0.720 χ^2/NDF : 472.8/24

Out: 5.000+/-0.700 χ^2/NDF : 506.3/27

All: 5.687+/-0.502 χ^2/NDF : 981.1/52

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -201.384 ± 1.779 χ^2/NDF : 623.5/16

Left Out: -182.017 ± 1.676 χ^2/NDF : 1355.7/8

Right Out: -185.739 ± 1.700 χ^2/NDF : 1749.3/18

Left In: -203.539 ± 1.727 χ^2/NDF : 145.9/7

Left: -192.455 ± 1.203 χ^2/NDF : 1581.5/16

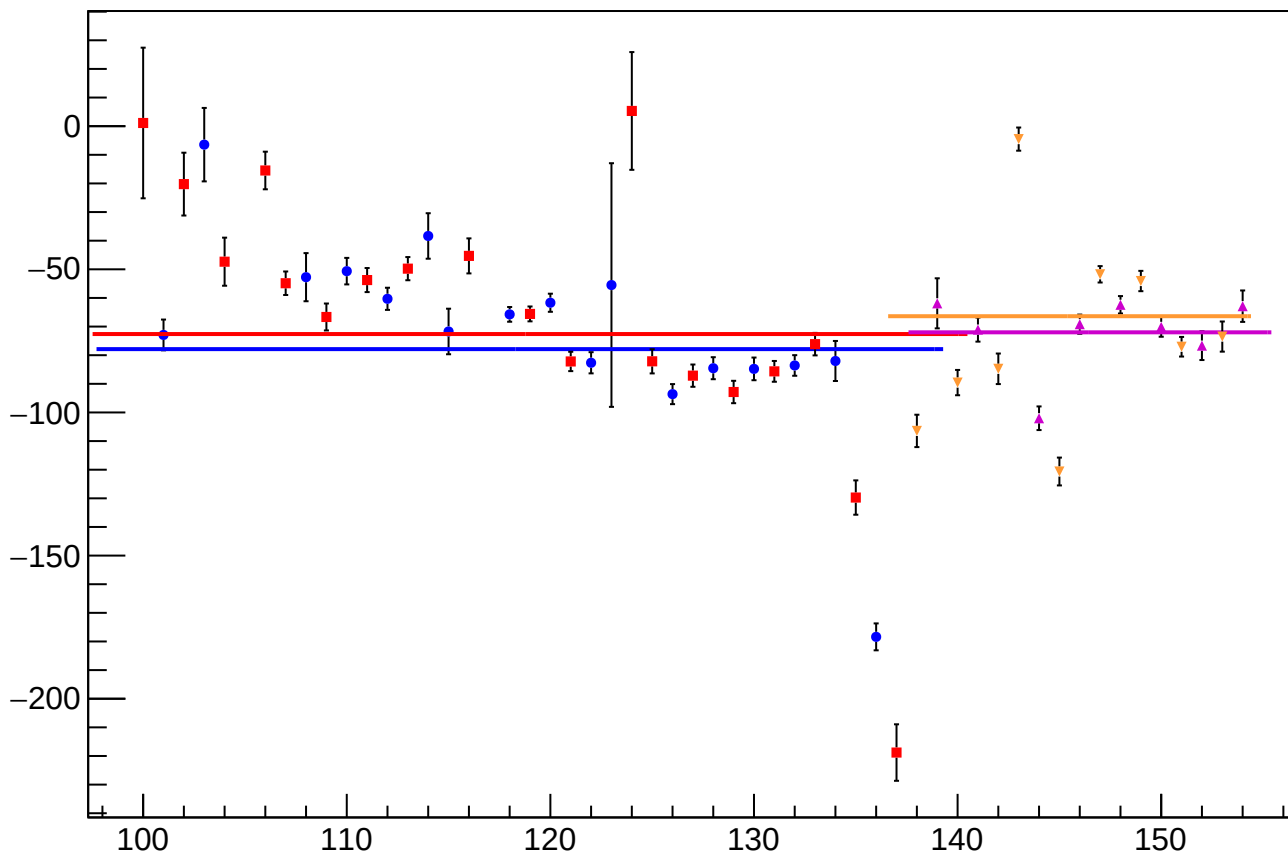
Right: -193.204 ± 1.229 χ^2/NDF : 2413.2/35

In: -202.494 ± 1.239 χ^2/NDF : 770.1/24

Out: -183.851 ± 1.194 χ^2/NDF : 3107.4/27

All: -192.822 ± 0.860 χ^2/NDF : 3994.9/52

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -77.877 ± 1.066 χ^2/NDF : 658.2/16

Left Out: -66.382 ± 1.356 χ^2/NDF : 497.5/8

Right Out: -72.612 ± 1.054 χ^2/NDF : 606.9/18

Left In: -72.011 ± 1.439 χ^2/NDF : 68.9/7

Left: -69.029 ± 0.987 χ^2/NDF : 574.6/16

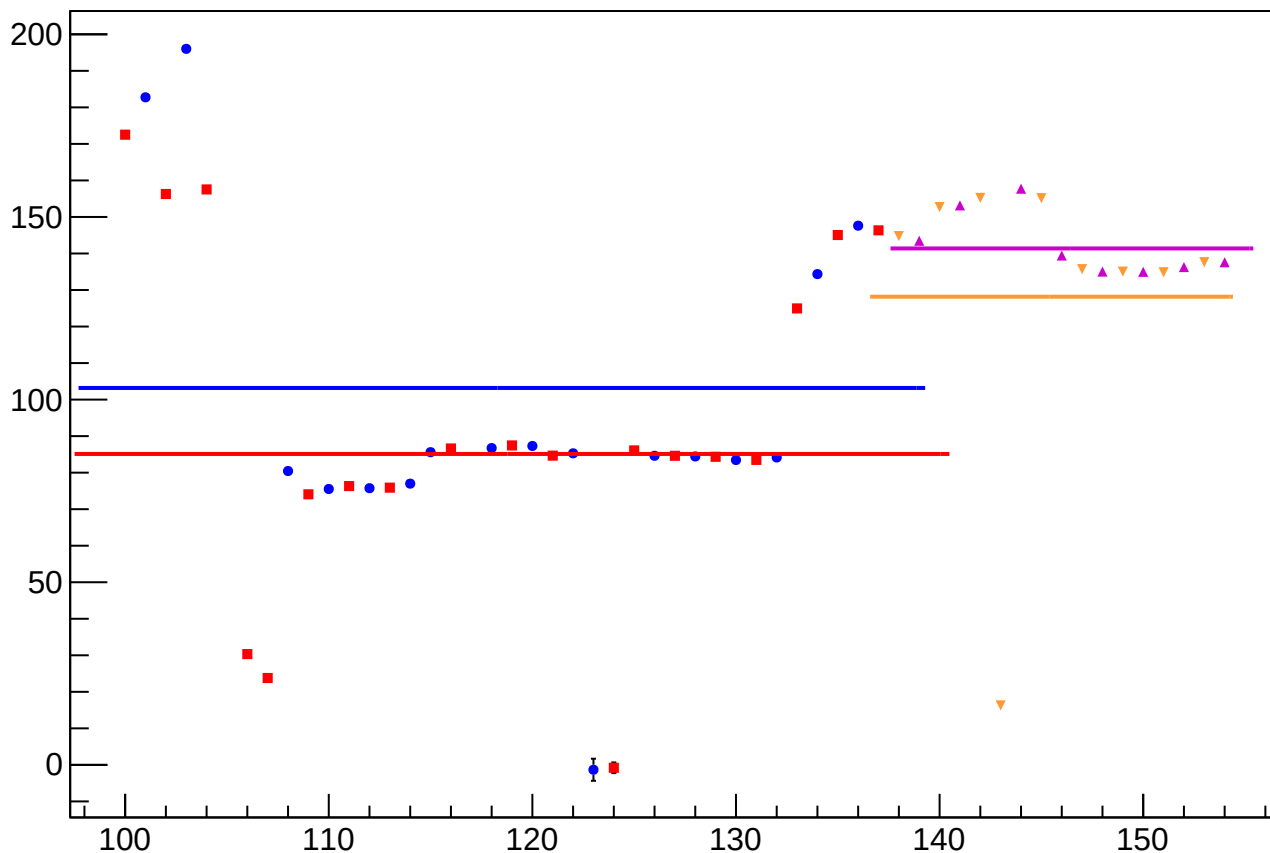
Right: -75.215 ± 0.749 χ^2/NDF : 1277.4/35

In: -75.801 ± 0.856 χ^2/NDF : 737.8/24

Out: -70.266 ± 0.832 χ^2/NDF : 1117.6/27

All: -72.954 ± 0.597 χ^2/NDF : 1876.9/52

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 103.188 $\pm$ 0.070 χ^2 /NDF: 273587.8/16

Left Out: 128.173 $\pm$ 0.070 χ^2 /NDF:339520.9/8

Right Out: 85.121 $\pm$ 0.064 χ^2 /NDF: 423521.4/18

Left In: 141.380 $\pm$ 0.071 χ^2 /NDF:11906.2/7

Left: 134.702 $\pm$ 0.050 χ^2 /NDF: 368922.7/16

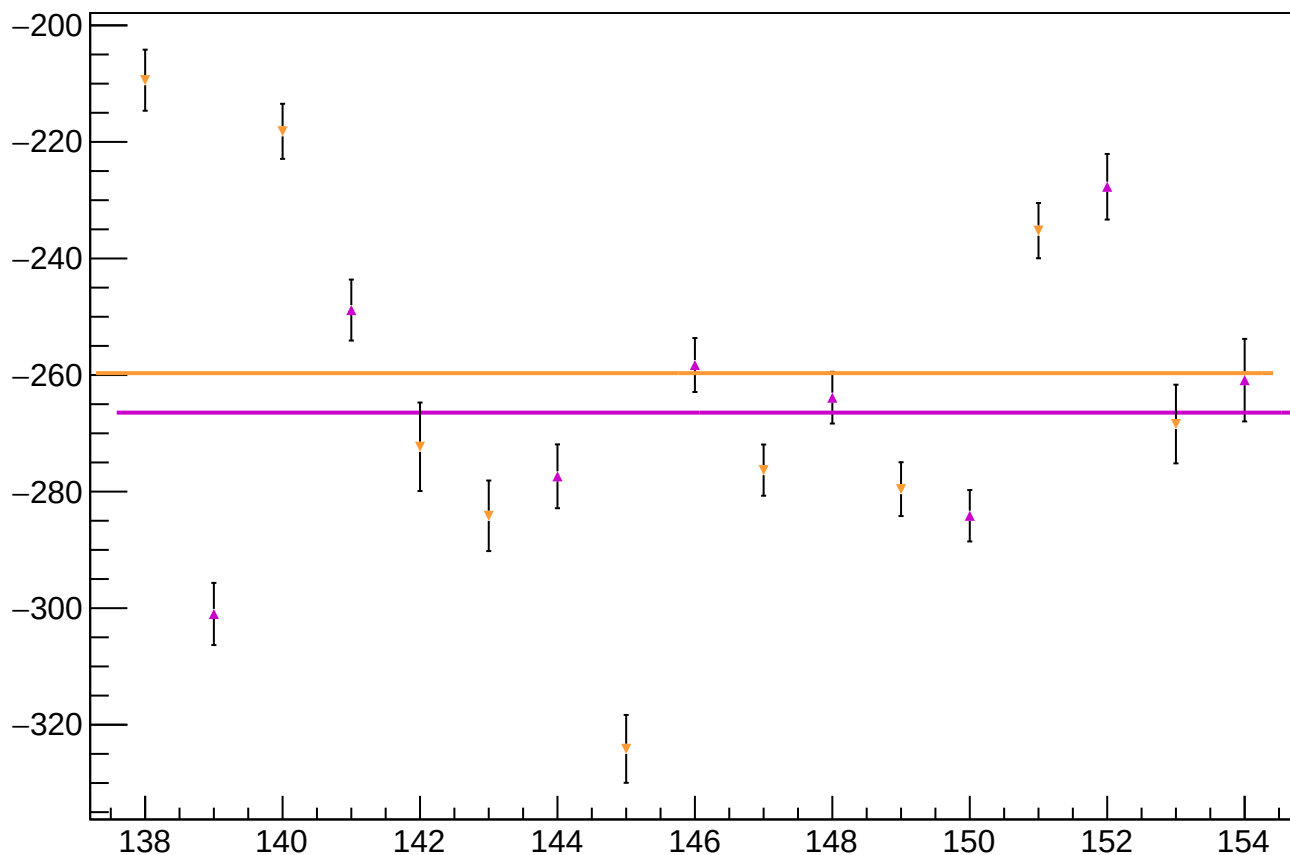
Right: 93.266 $\pm$ 0.047 χ^2 /NDF: 733347.5/35

In: 122.104 $\pm$ 0.050 χ^2 /NDF:431536.2/24

Out: 104.569 $\pm$ 0.047 χ^2 /NDF:969213.3/27

All: 112.835 $\pm$ 0.034 χ^2 /NDF: 1465856.0/52

reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -259.674+/-1.766 χ^2/NDF :372.0/8

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

Left In: -266.448+/-1.809 χ^2/NDF :124.8/7

Left: -262.980+/-1.264 χ^2/NDF : 504.0/16

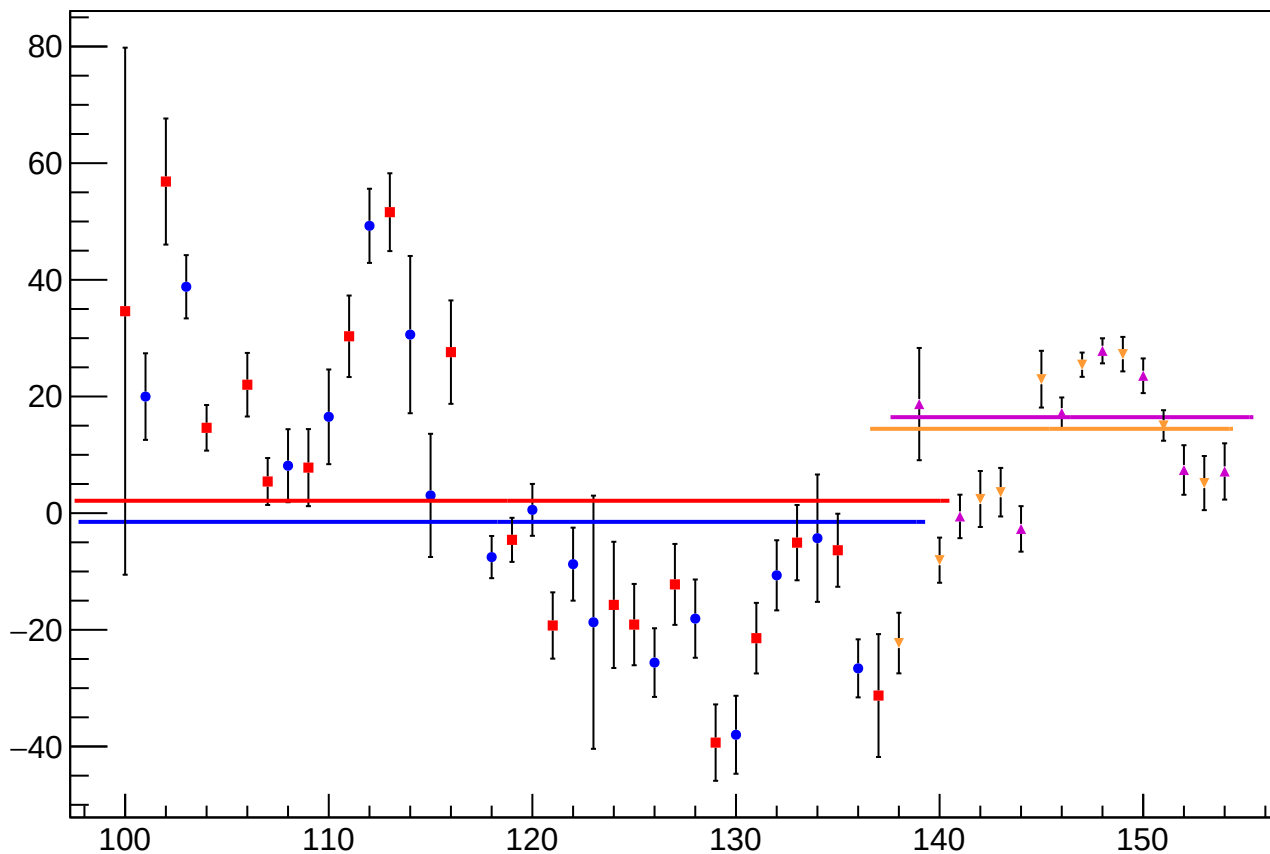
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -266.448+/-1.809 χ^2/NDF :124.8/7

Out: -259.674+/-1.766 χ^2/NDF :372.0/8

All: -262.980+/-1.264 χ^2/NDF : 504.0/16

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.492 ± 1.513 $\chi^2/\text{NDF}: 226.1/16$

Left Out: 14.460 ± 1.129 $\chi^2/\text{NDF}: 150.7/8$

Right Out: 2.127 ± 1.402 $\chi^2/\text{NDF}: 232.6/18$

Left In: 16.456 ± 1.182 $\chi^2/\text{NDF}: 87.0/7$

Left: 15.412 ± 0.816 $\chi^2/\text{NDF}: 239.2/16$

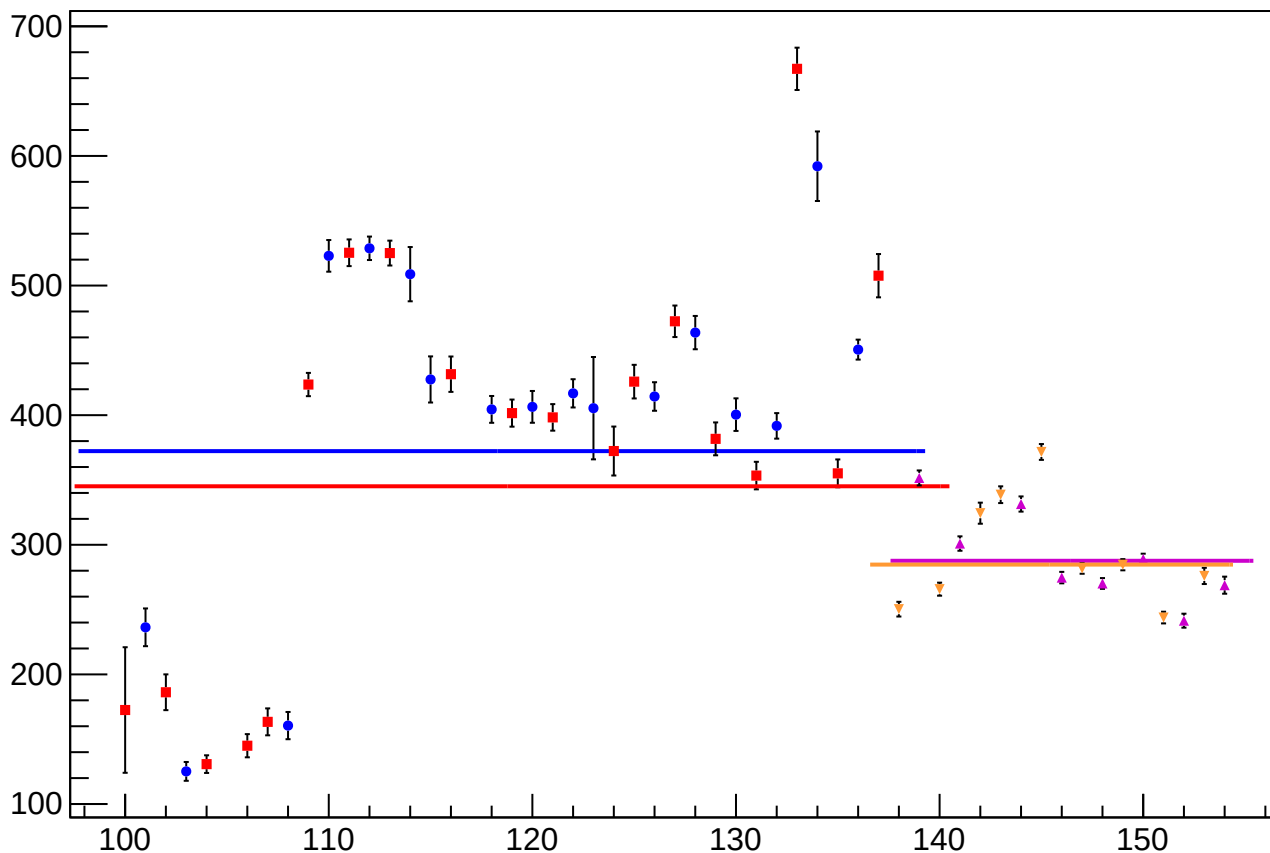
Right: 0.455 ± 1.029 $\chi^2/\text{NDF}: 461.8/35$

In: 9.655 ± 0.932 $\chi^2/\text{NDF}: 400.5/24$

Out: 9.612 ± 0.879 $\chi^2/\text{NDF}: 430.2/27$

All: 9.633 ± 0.639 $\chi^2/\text{NDF}: 830.7/52$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 372.263+/-2.759 χ^2/NDF : 2433.1/16

Left Out: 284.718+/-1.757 χ^2/NDF : 431.0/8

Right Out: 345.135+/-2.562 χ^2/NDF : 3416.5/18

Left In: 287.658+/-1.777 χ^2/NDF : 292.2/7

Left: 286.171+/-1.249 χ^2/NDF : 724.5/16

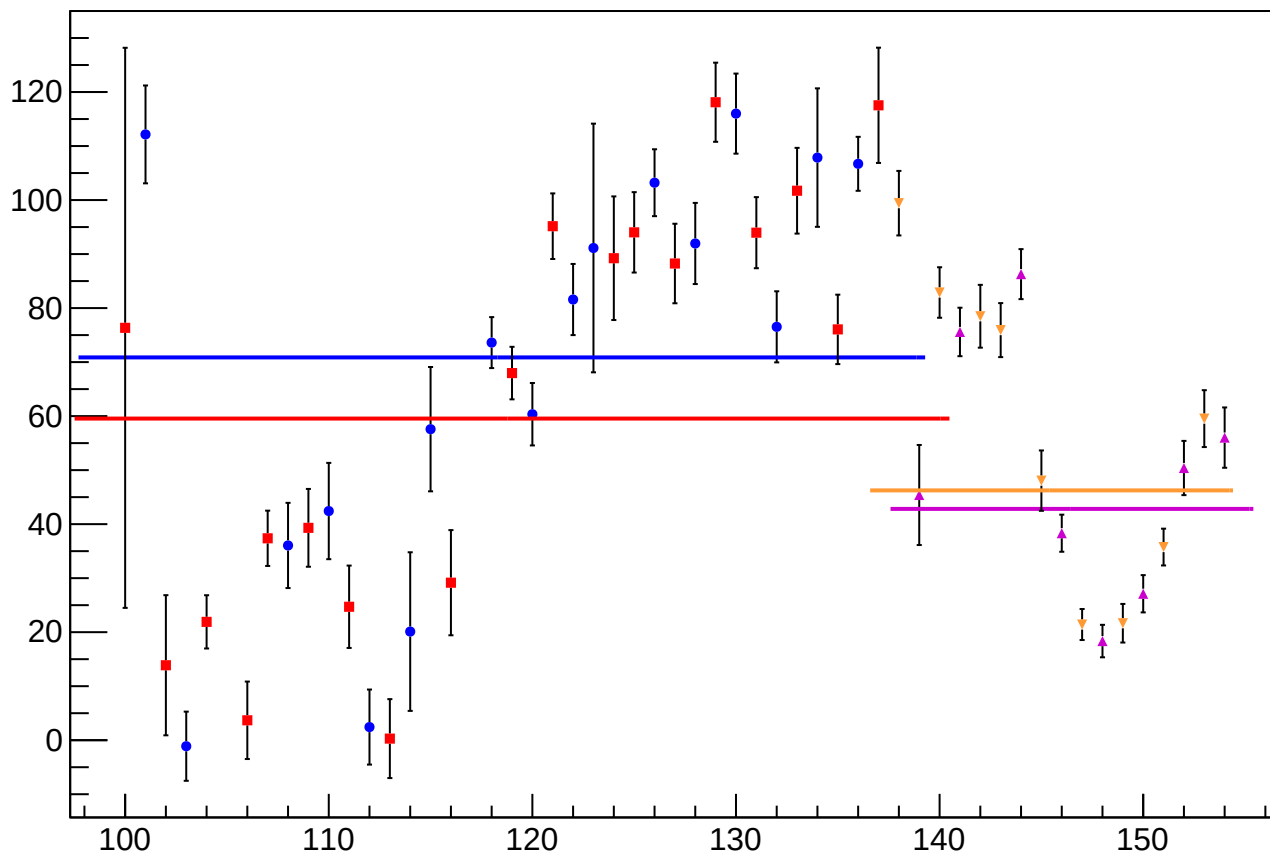
Right: 357.695+/-1.878 χ^2/NDF : 5901.5/35

In: 312.453+/-1.494 χ^2/NDF : 3389.9/24

Out: 304.039+/-1.449 χ^2/NDF : 4225.7/27

All: 308.118+/-1.040 χ^2/NDF : 7631.9/52

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 70.867 $\pm$ 1.743 χ^2 /NDF: 427.0/16

Left Out: 46.248 $\pm$ 1.418 χ^2 /NDF:344.8/8

Right Out: 59.546 $\pm$ 1.633 χ^2 /NDF: 490.9/18

Left In: 42.823 $\pm$ 1.476 χ^2 /NDF:238.0/7

Left: 44.604 $\pm$ 1.022 χ^2 /NDF: 585.7/16

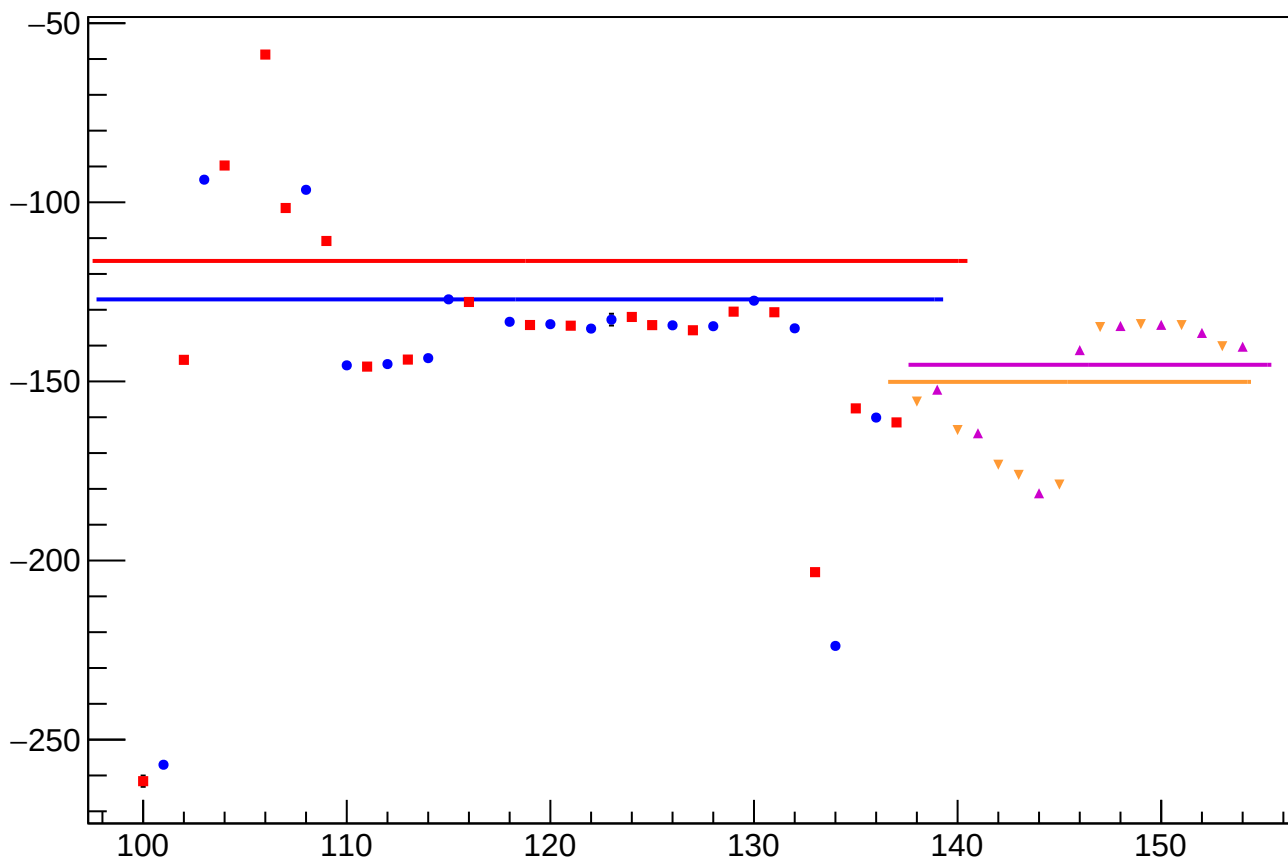
Right: 64.838 $\pm$ 1.192 χ^2 /NDF: 940.3/35

In: 54.533 $\pm$ 1.126 χ^2 /NDF:815.8/24

Out: 51.964 $\pm$ 1.071 χ^2 /NDF:873.5/27

All: 53.183 $\pm$ 0.776 χ^2 /NDF: 1692.1/52

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -127.105 $\pm$ 0.089 χ^2 /NDF: 167064.7/16

Left Out: -150.127 $\pm$ 0.074 χ^2 /NDF: 55629.6/8

Right Out: -116.369 $\pm$ 0.083 χ^2 /NDF: 167595.6/18

Left In: -145.357 $\pm$ 0.073 χ^2 /NDF: 38278.8/7

Left: -147.714 $\pm$ 0.052 χ^2 /NDF: 96013.2/16

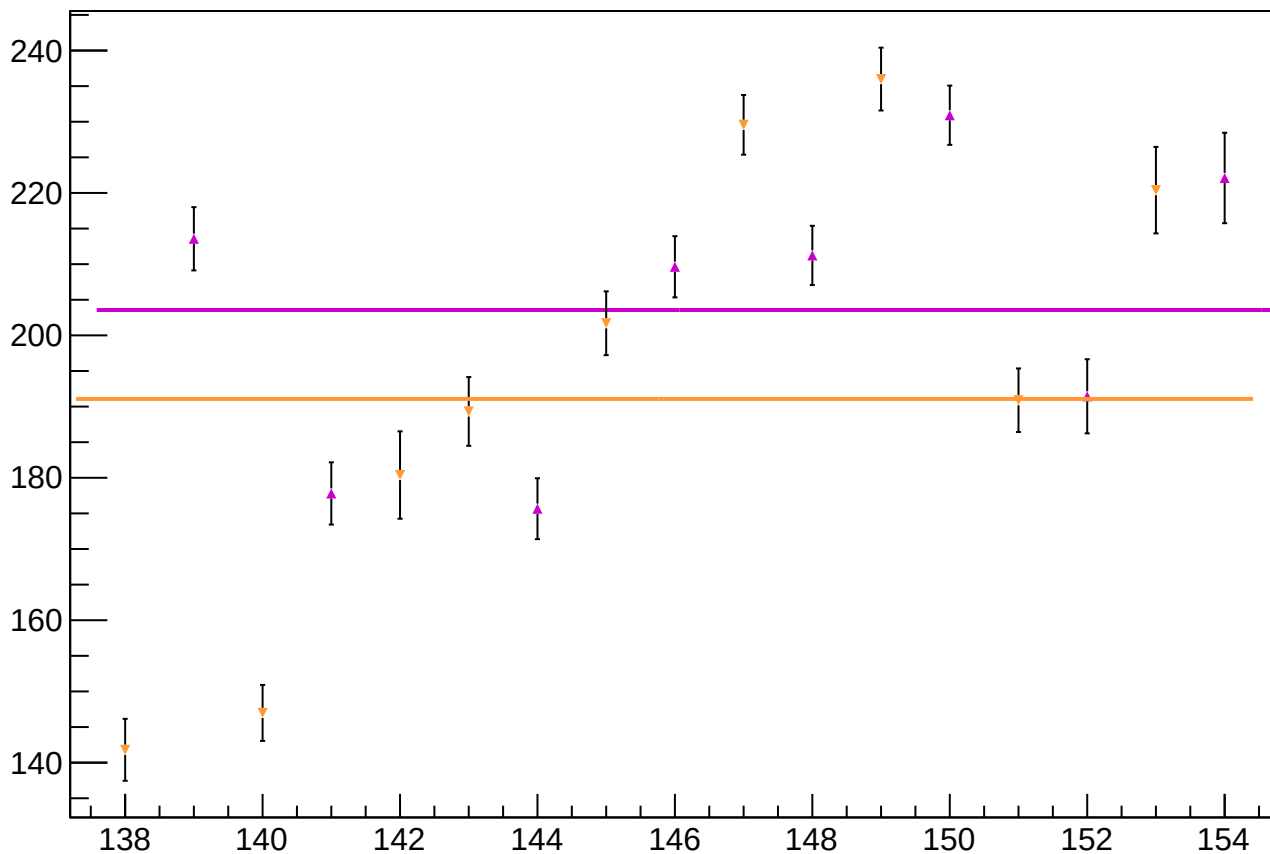
Right: -121.332 $\pm$ 0.061 χ^2 /NDF: 342408.2/35

In: -138.049 $\pm$ 0.057 χ^2 /NDF: 230318.5/24

Out: -135.171 $\pm$ 0.055 χ^2 /NDF: 315533.9/27

All: -136.574 $\pm$ 0.040 χ^2 /NDF: 547177.3/52

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: 191.077+/-1.538 χ^2/NDF :474.2/8

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

Left In: 203.563+/-1.603 χ^2/NDF :145.0/7

Left: 197.063+/-1.110 χ^2/NDF : 650.8/16

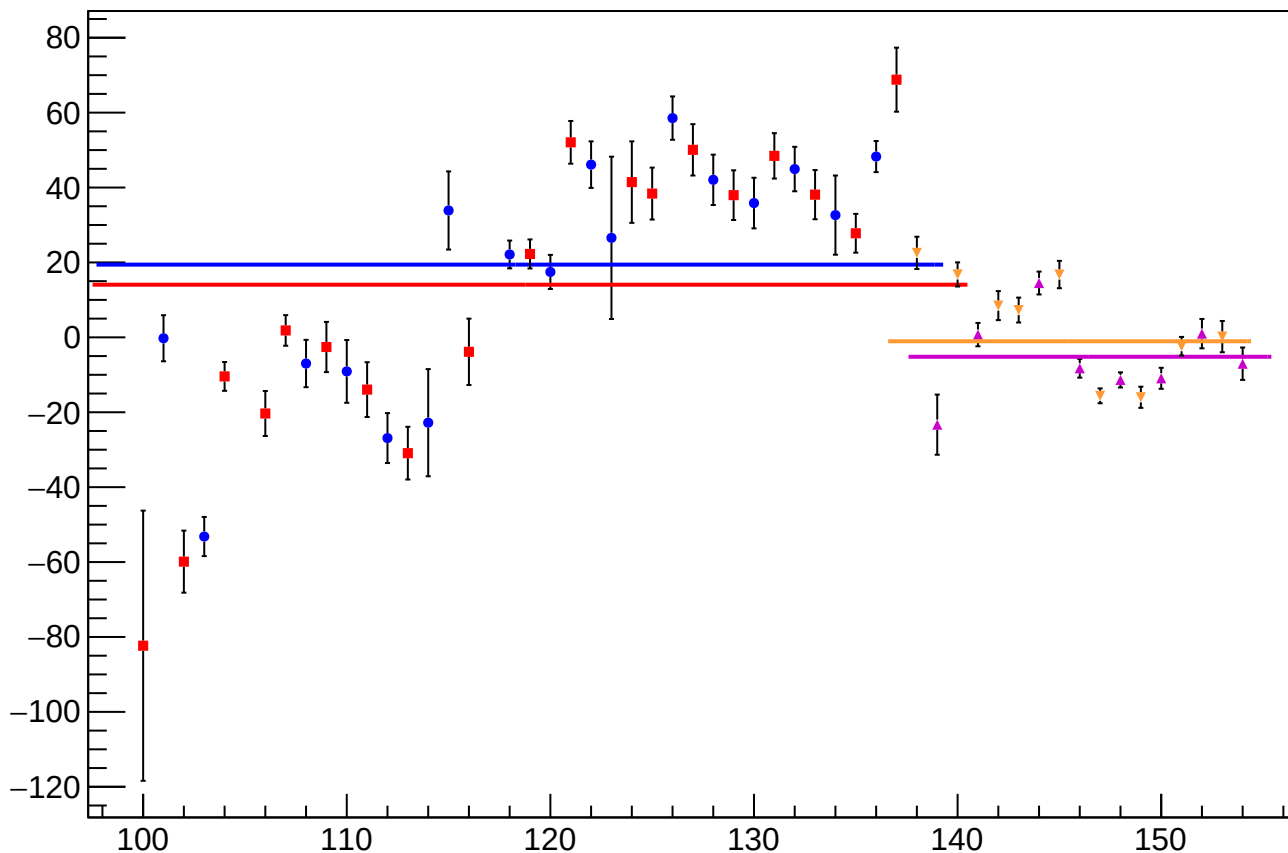
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 203.563+/-1.603 χ^2/NDF :145.0/7

Out: 191.077+/-1.538 χ^2/NDF :474.2/8

All: 197.063+/-1.110 χ^2/NDF : 650.8/16

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.416 ± 1.480 χ^2/NDF : 441.1/16

Left Out: -1.046 ± 1.009 χ^2/NDF : 179.1/8

Right Out: 14.055 ± 1.392 χ^2/NDF : 436.5/18

Left In: -5.186 ± 1.068 χ^2/NDF : 68.0/7

Left: -2.999 ± 0.734 χ^2/NDF : 255.0/16

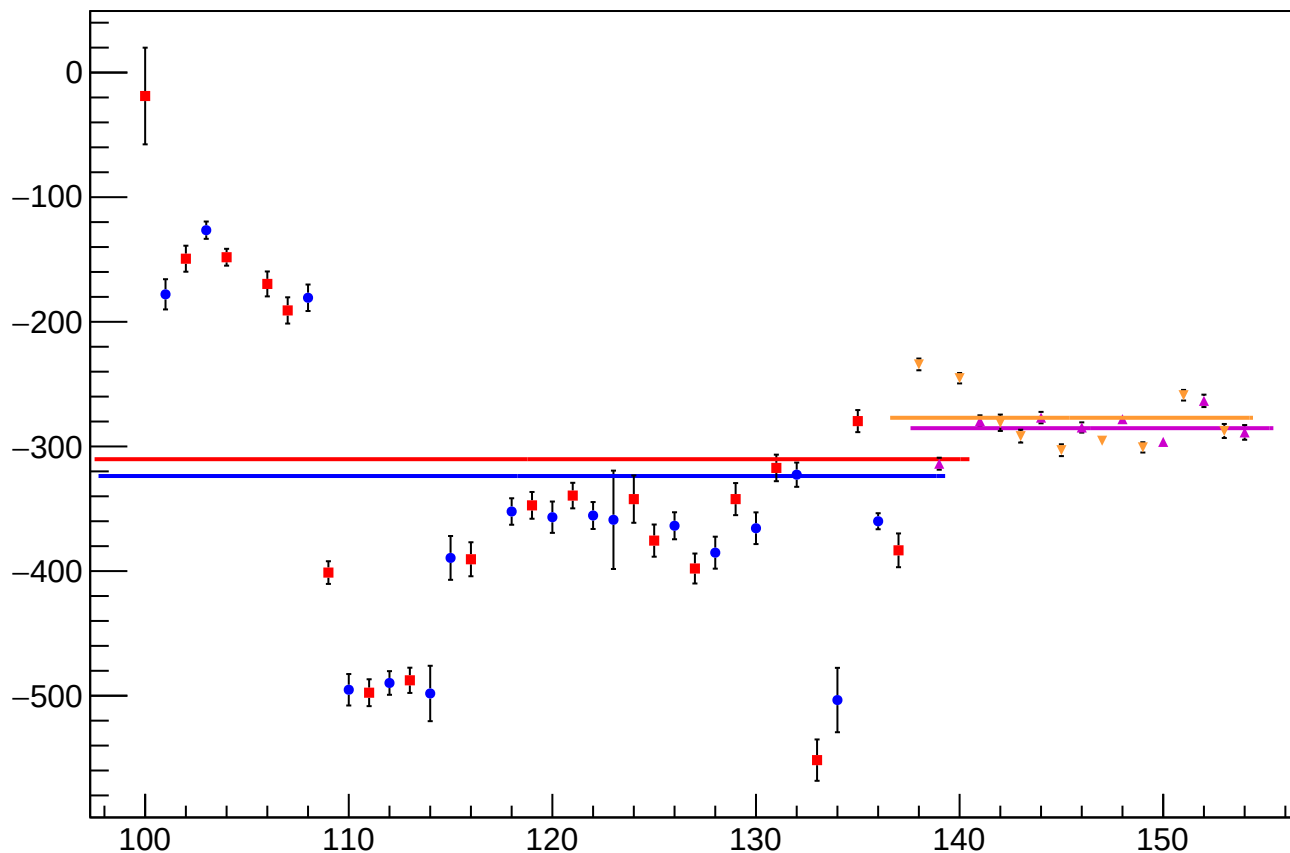
Right: 16.572 ± 1.014 χ^2/NDF : 884.6/35

In: 3.241 ± 0.866 χ^2/NDF : 690.8/24

Out: 4.157 ± 0.817 χ^2/NDF : 692.8/27

All: 3.726 ± 0.594 χ^2/NDF : 1384.2/52

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -323.721 $\pm$ 2.668 χ^2 /NDF: 1850.8/16

Left Out: -276.992 $\pm$ 1.547 χ^2 /NDF:255.5/8

Right Out: -310.223 $\pm$ 2.523 χ^2 /NDF: 2300.0/18

Left In: -285.337 $\pm$ 1.586 χ^2 /NDF:71.2/7

Left: -281.059 $\pm$ 1.107 χ^2 /NDF: 340.9/16

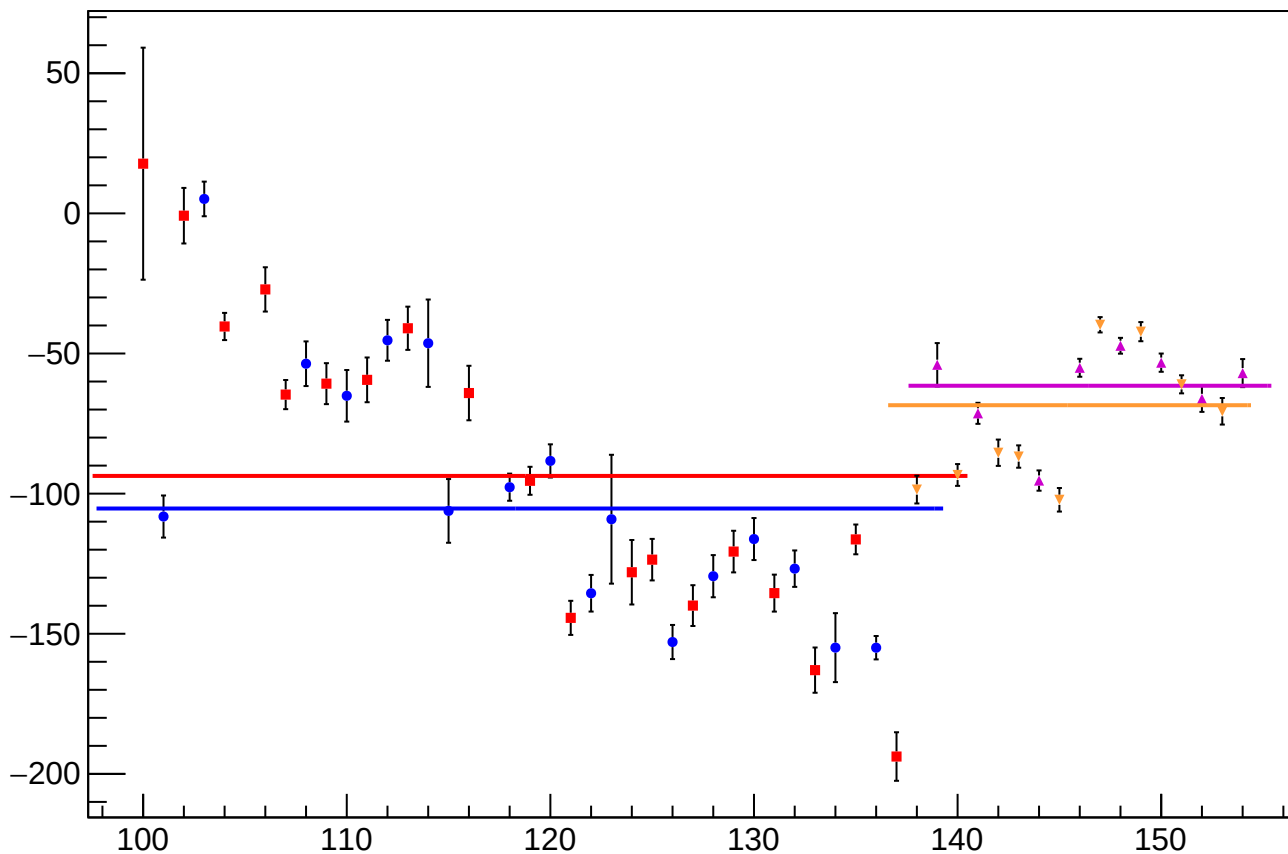
Right: -316.595 $\pm$ 1.833 χ^2 /NDF: 4164.2/35

In: -295.361 $\pm$ 1.363 χ^2 /NDF:2074.9/24

Out: -286.069 $\pm$ 1.318 χ^2 /NDF:2681.6/27

All: -290.559 $\pm$ 0.948 χ^2 /NDF: 4780.4/52

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -105.309 ± 1.693 $\chi^2/\text{NDF}: 737.5/16$

Left Out: -68.451 ± 1.258 $\chi^2/\text{NDF}: 351.1/8$

Right Out: -93.680 ± 1.612 $\chi^2/\text{NDF}: 826.5/18$

Left In: -61.503 ± 1.327 $\chi^2/\text{NDF}: 133.0/7$

Left: -65.161 ± 0.913 $\chi^2/\text{NDF}: 498.5/16$

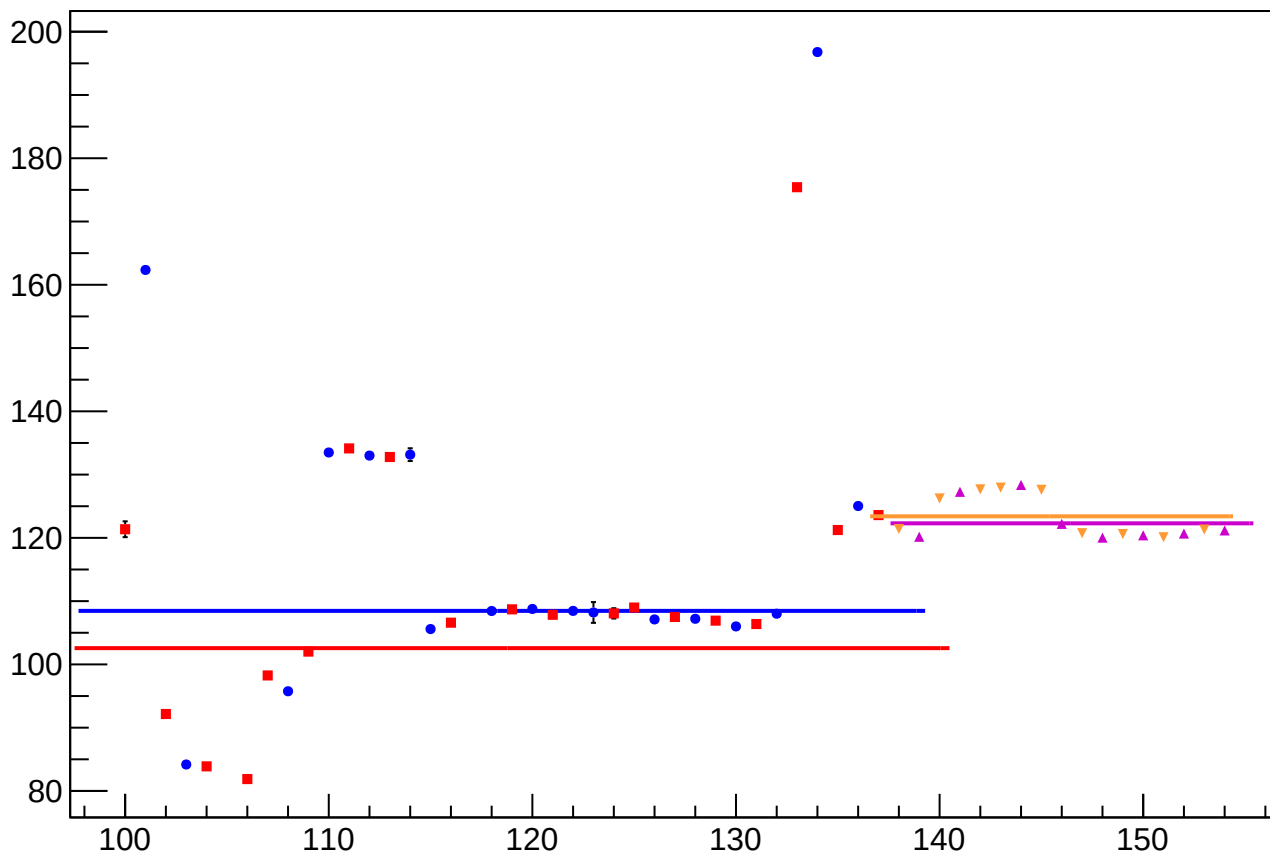
Right: -99.207 ± 1.167 $\chi^2/\text{NDF}: 1588.8/35$

In: -78.167 ± 1.044 $\chi^2/\text{NDF}: 1285.2/24$

Out: -78.006 ± 0.992 $\chi^2/\text{NDF}: 1329.8/27$

All: -78.082 ± 0.719 $\chi^2/\text{NDF}: 2615.0/52$

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 108.461 $\pm$ 0.085 χ^2 /NDF: 73302.1/16

Left Out: 123.406 $\pm$ 0.065 χ^2 /NDF: 2480.7/8

Right Out: 102.570 $\pm$ 0.079 χ^2 /NDF: 53143.8/18

Left In: 122.297 $\pm$ 0.065 χ^2 /NDF: 2191.8/7

Left: 122.854 $\pm$ 0.046 χ^2 /NDF: 4818.8/16

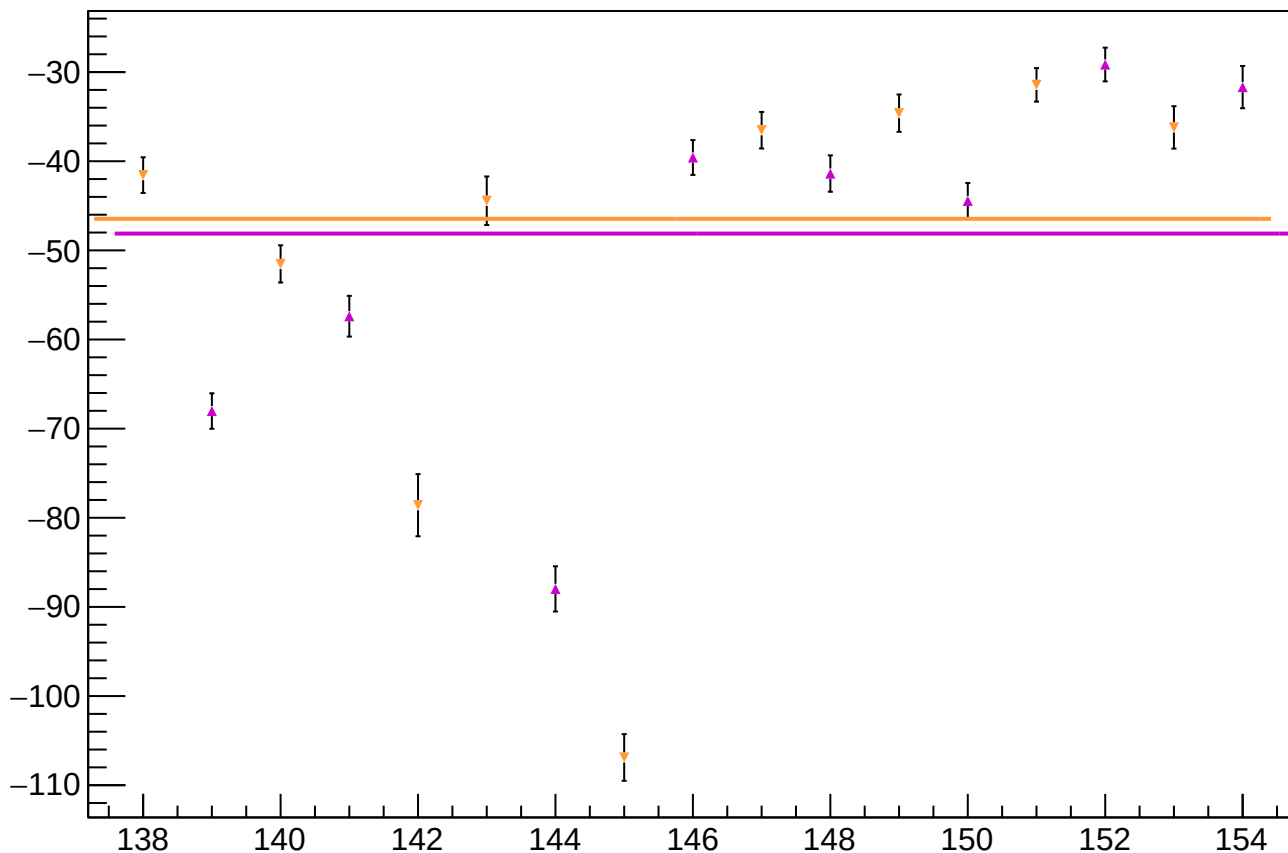
Right: 105.327 $\pm$ 0.058 χ^2 /NDF: 129018.0/35

In: 117.169 $\pm$ 0.052 χ^2 /NDF: 92280.5/24

Out: 115.107 $\pm$ 0.050 χ^2 /NDF: 96997.9/27

All: 116.109 $\pm$ 0.036 χ^2 /NDF: 190099.5/52

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: -46.460+/-0.752 χ^2/NDF : 767.5/8

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

Left In: -48.118+/-0.744 χ^2/NDF : 545.7/7

Left: -47.298+/-0.529 χ^2/NDF : 1315.7/16

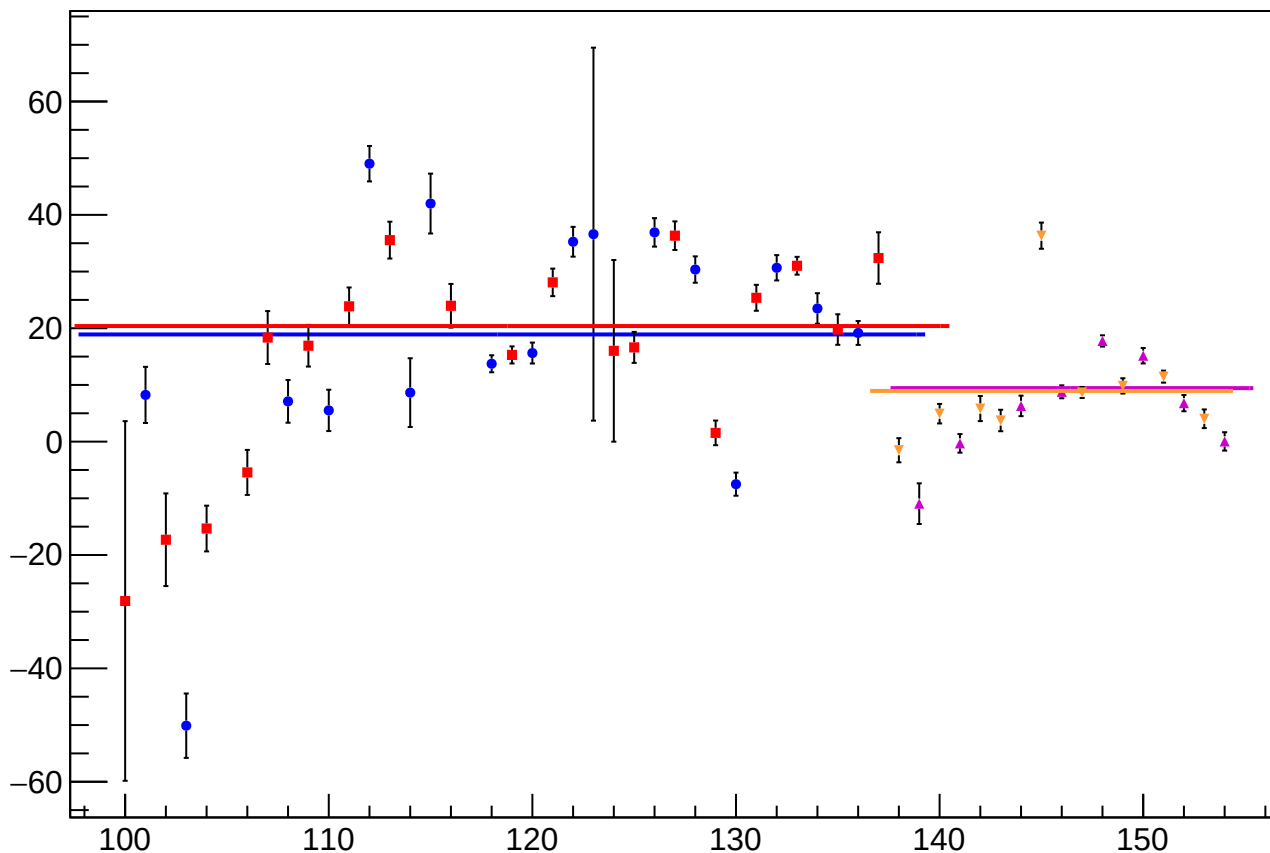
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -48.118+/-0.744 χ^2/NDF : 545.7/7

Out: -46.460+/-0.752 χ^2/NDF : 767.5/8

All: -47.298+/-0.529 χ^2/NDF : 1315.7/16

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.906 $\pm$ 0.644 χ^2 /NDF: 618.9/16

Left Out: 8.942 $\pm$ 0.495 χ^2 /NDF:194.7/8

Right Out: 20.390 $\pm$ 0.644 χ^2 /NDF: 365.3/18

Left In: 9.436 $\pm$ 0.503 χ^2 /NDF:196.1/7

Left: 9.185 $\pm$ 0.353 χ^2 /NDF: 391.3/16

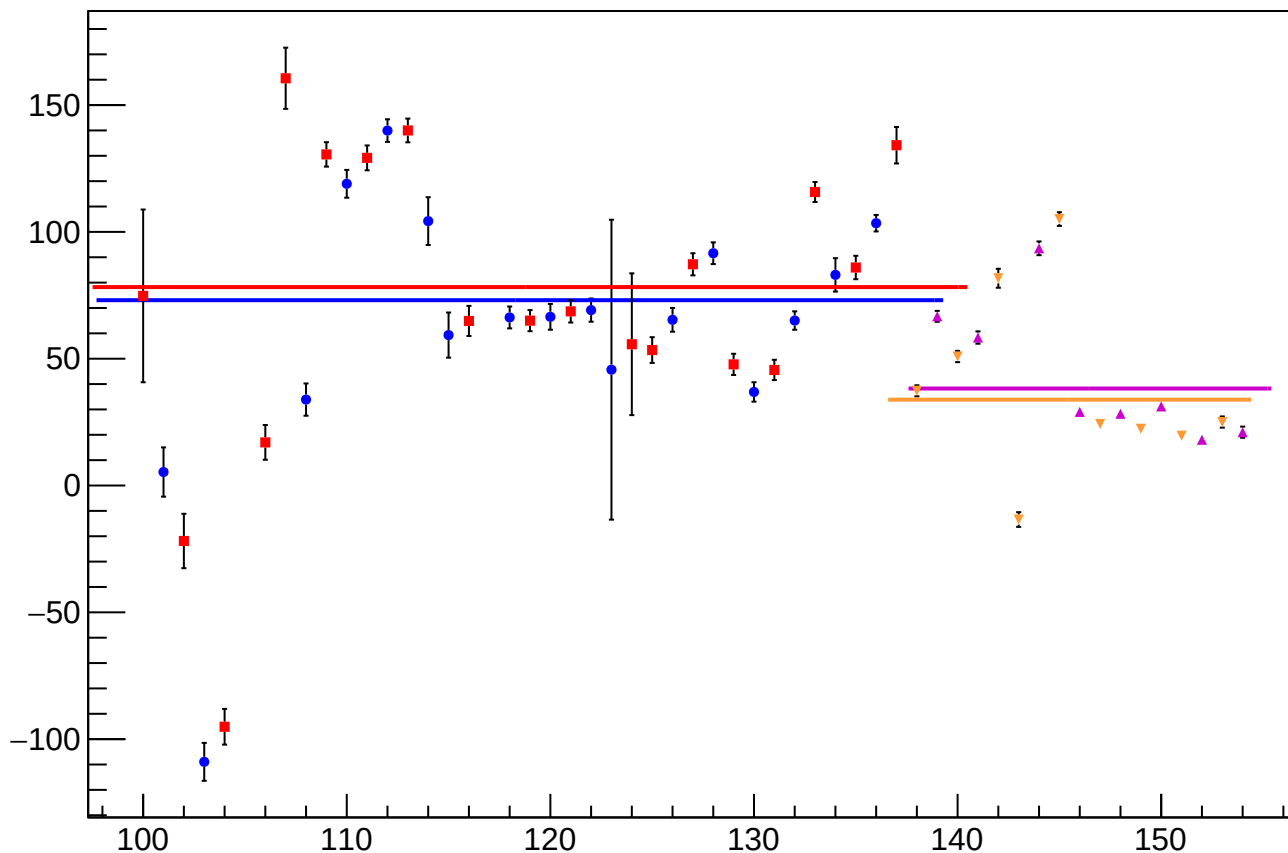
Right: 19.648 $\pm$ 0.455 χ^2 /NDF: 986.9/35

In: 13.029 $\pm$ 0.396 χ^2 /NDF:949.4/24

Out: 13.193 $\pm$ 0.392 χ^2 /NDF:758.7/27

All: 13.112 $\pm$ 0.279 χ^2 /NDF: 1708.2/52

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 73.071 $\pm$ 1.228 χ^2 /NDF: 1200.0/16

Left Out: 33.845 $\pm$ 0.748 χ^2 /NDF:1321.1/8

Right Out: 78.241 $\pm$ 1.223 χ^2 /NDF: 1542.7/18

Left In: 38.243 $\pm$ 0.730 χ^2 /NDF:909.5/7

Left: 36.096 $\pm$ 0.523 χ^2 /NDF: 2248.3/16

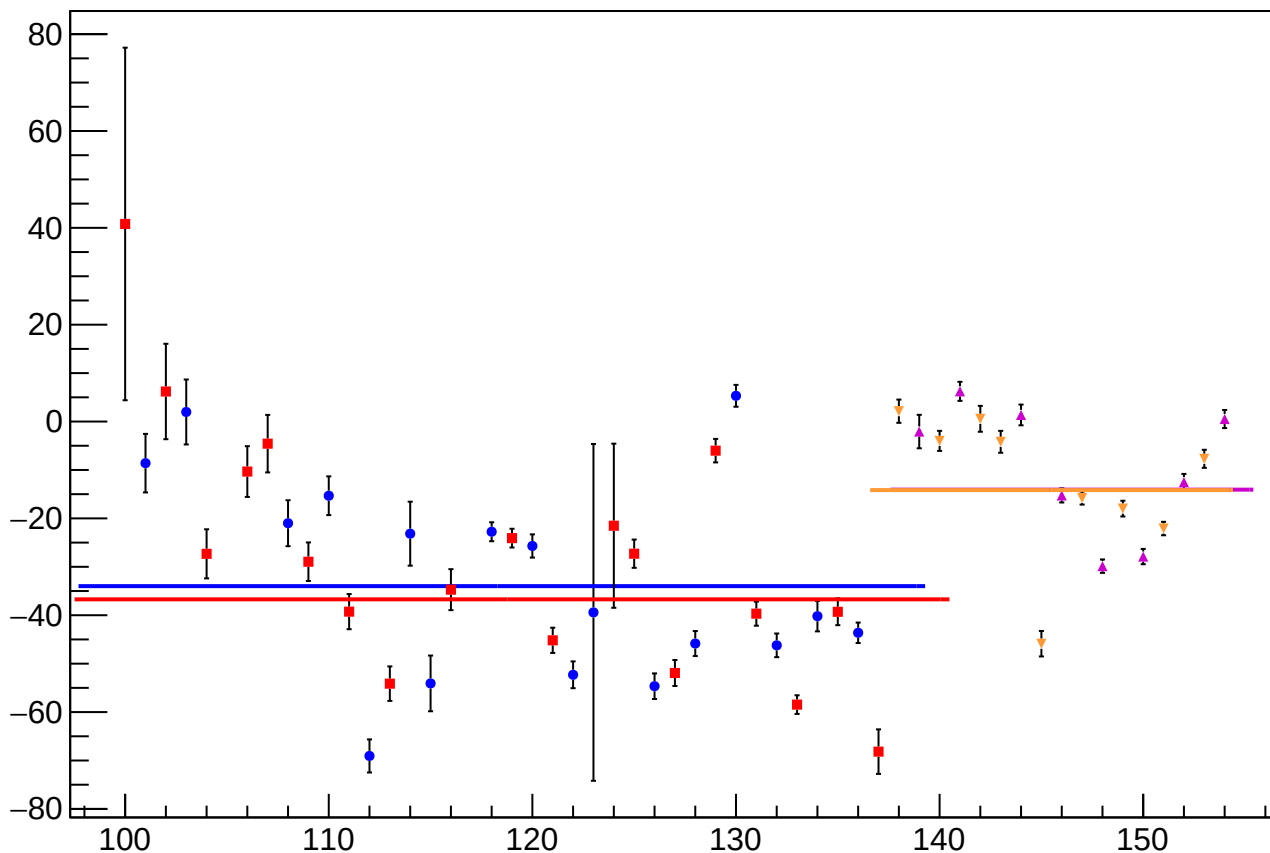
Right: 75.667 $\pm$ 0.866 χ^2 /NDF: 2751.5/35

In: 47.347 $\pm$ 0.628 χ^2 /NDF:2703.7/24

Out: 45.935 $\pm$ 0.638 χ^2 /NDF:3823.4/27

All: 46.653 $\pm$ 0.447 χ^2 /NDF: 6529.6/52

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.991 ± 0.736 χ^2/NDF : 719.8/16

Left Out: -14.160 ± 0.617 χ^2/NDF : 317.2/8

Right Out: -36.719 ± 0.737 χ^2/NDF : 542.9/18

Left In: -14.065 ± 0.622 χ^2/NDF : 439.3/7

Left: -14.113 ± 0.438 χ^2/NDF : 756.5/16

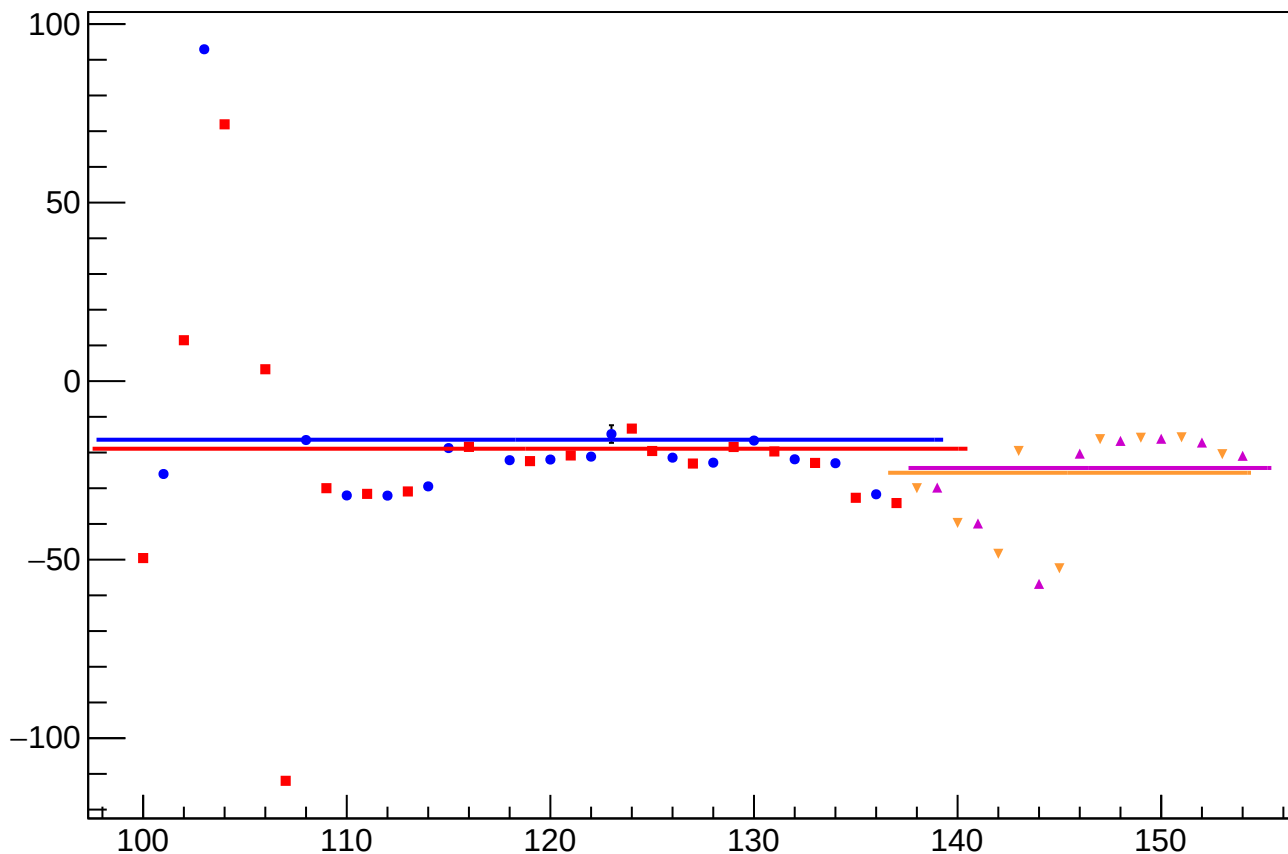
Right: -35.354 ± 0.521 χ^2/NDF : 1269.6/35

In: -22.362 ± 0.475 χ^2/NDF : 1586.6/24

Out: -23.455 ± 0.473 χ^2/NDF : 1411.3/27

All: -22.911 ± 0.335 χ^2/NDF : 3000.5/52

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.408 ± 0.044 $\chi^2/\text{NDF}: 474368.4/16$

Left Out: -25.667 ± 0.031 $\chi^2/\text{NDF}: 156736.4/8$

Right Out: -18.934 ± 0.045 $\chi^2/\text{NDF}: 434152.2/18$

Left In: -24.324 ± 0.030 $\chi^2/\text{NDF}: 137606.2/7$

Left: -24.964 ± 0.021 $\chi^2/\text{NDF}: 295324.4/16$

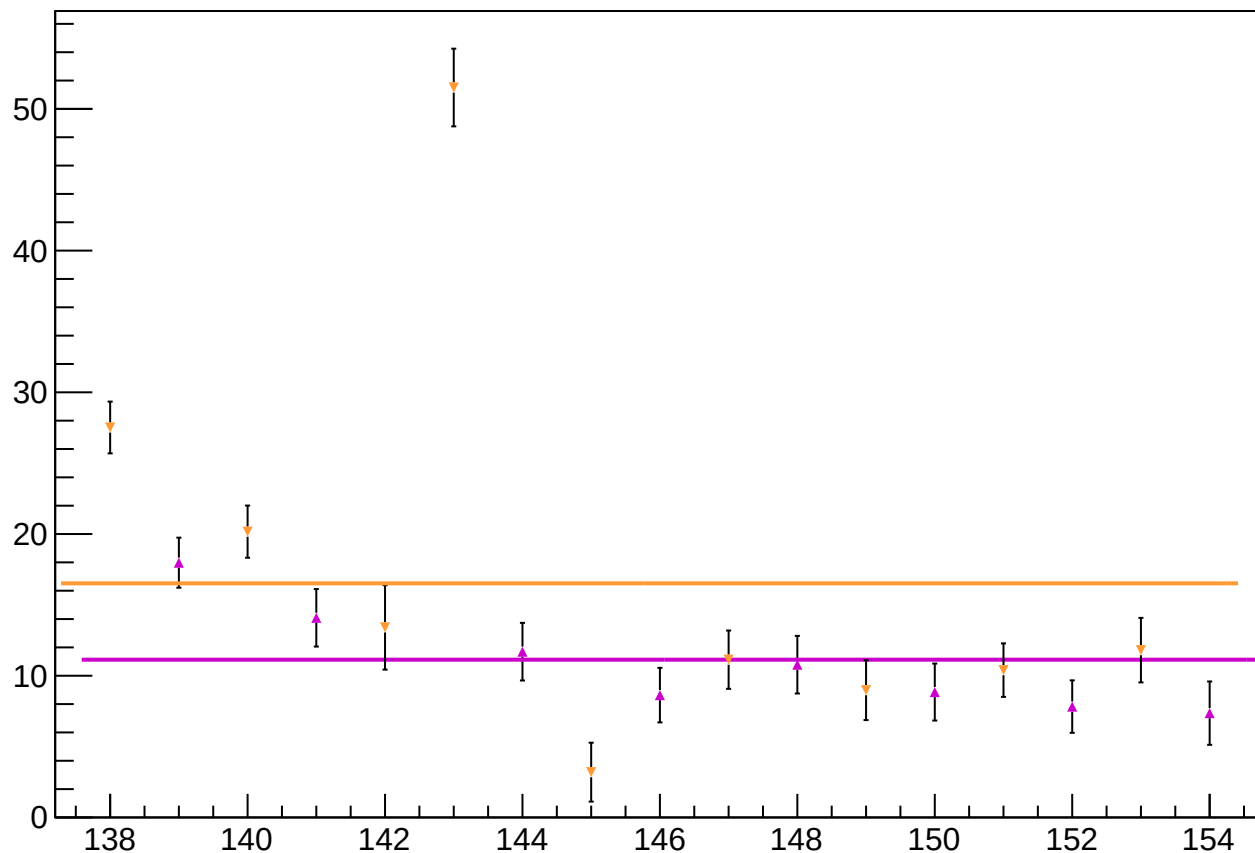
Right: -17.648 ± 0.032 $\chi^2/\text{NDF}: 910108.0/35$

In: -21.893 ± 0.025 $\chi^2/\text{NDF}: 633981.7/24$

Out: -23.515 ± 0.026 $\chi^2/\text{NDF}: 605957.5/27$

All: -22.673 ± 0.018 $\chi^2/\text{NDF}: 1242025.2/52$

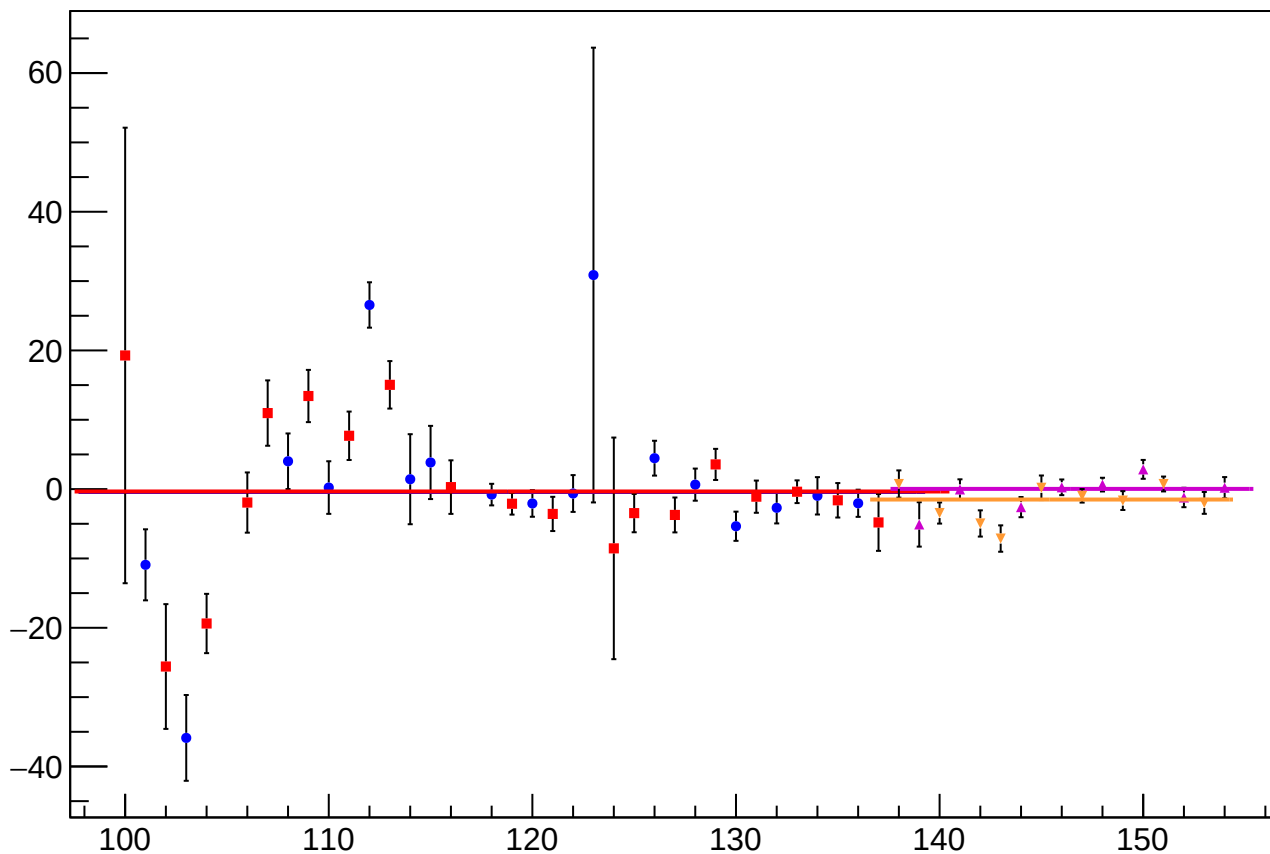
reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 16.519 $\pm$ 0.706 χ^2 /NDF:279.7/8
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 11.134 $\pm$ 0.697 χ^2 /NDF:26.3/7

Left: 13.794 $\pm$ 0.496 χ^2 /NDF: 335.4/16
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 11.134 $\pm$ 0.697 χ^2 /NDF:26.3/7
 Out: 16.519 $\pm$ 0.706 χ^2 /NDF:279.7/8
 All: 13.794 $\pm$ 0.496 χ^2 /NDF: 335.4/16

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.414 ± 0.653 χ^2/NDF : 119.9/16

Left Out: -1.503 ± 0.475 χ^2/NDF : 20.7/8

Right Out: -0.342 ± 0.658 χ^2/NDF : 83.7/18

Left In: 0.031 ± 0.481 χ^2/NDF : 11.3/7

Left: -0.745 ± 0.338 χ^2/NDF : 37.2/16

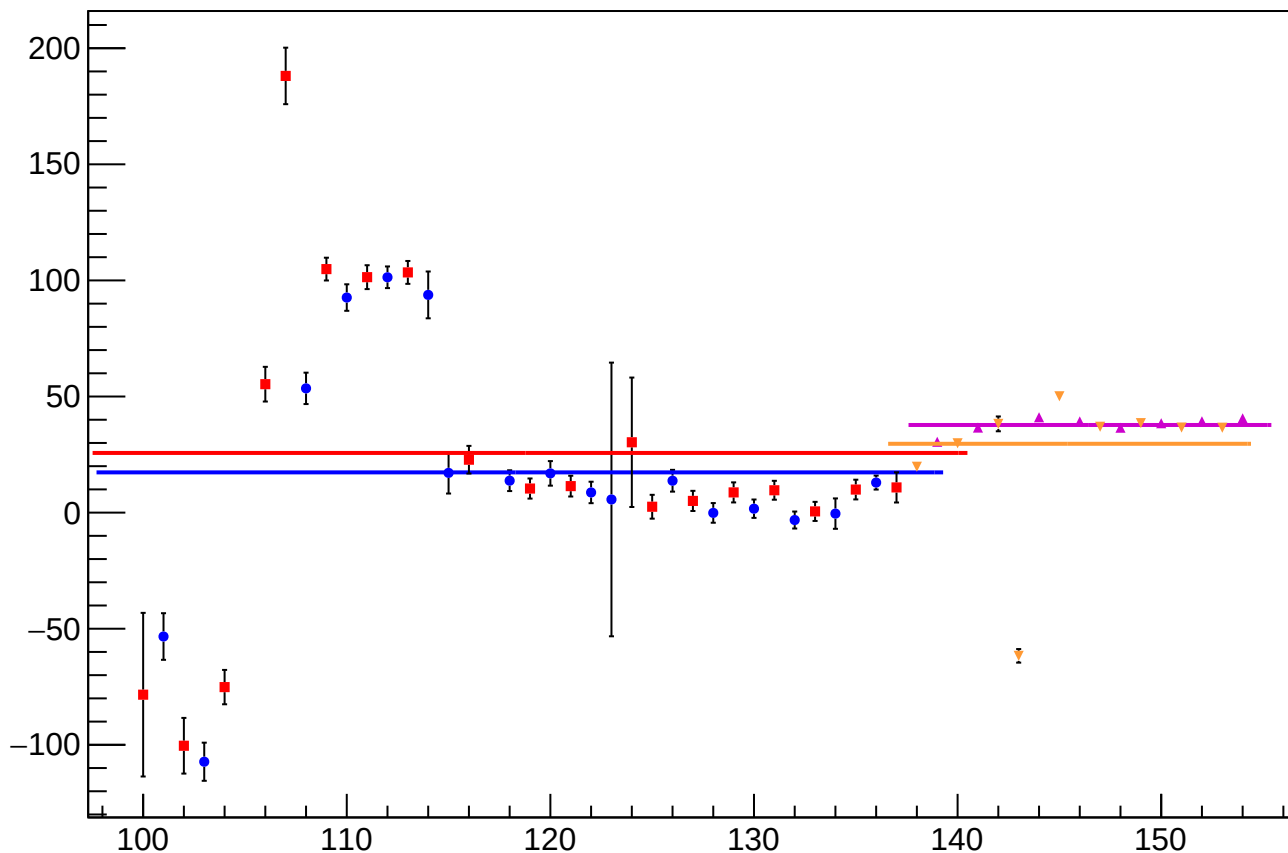
Right: -0.378 ± 0.463 χ^2/NDF : 203.7/35

In: -0.125 ± 0.387 χ^2/NDF : 131.6/24

Out: -1.105 ± 0.385 χ^2/NDF : 106.5/27

All: -0.618 ± 0.273 χ^2/NDF : 241.2/52

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.328+/-1.239 χ^2/NDF : 943.2/16

Left Out: 29.643+/-0.707 χ^2/NDF : 1154.8/8

Right Out: 25.701+/-1.243 χ^2/NDF : 1379.1/18

Left In: 37.743+/-0.690 χ^2/NDF : 20.9/7

Left: 33.794+/-0.494 χ^2/NDF : 1242.9/16

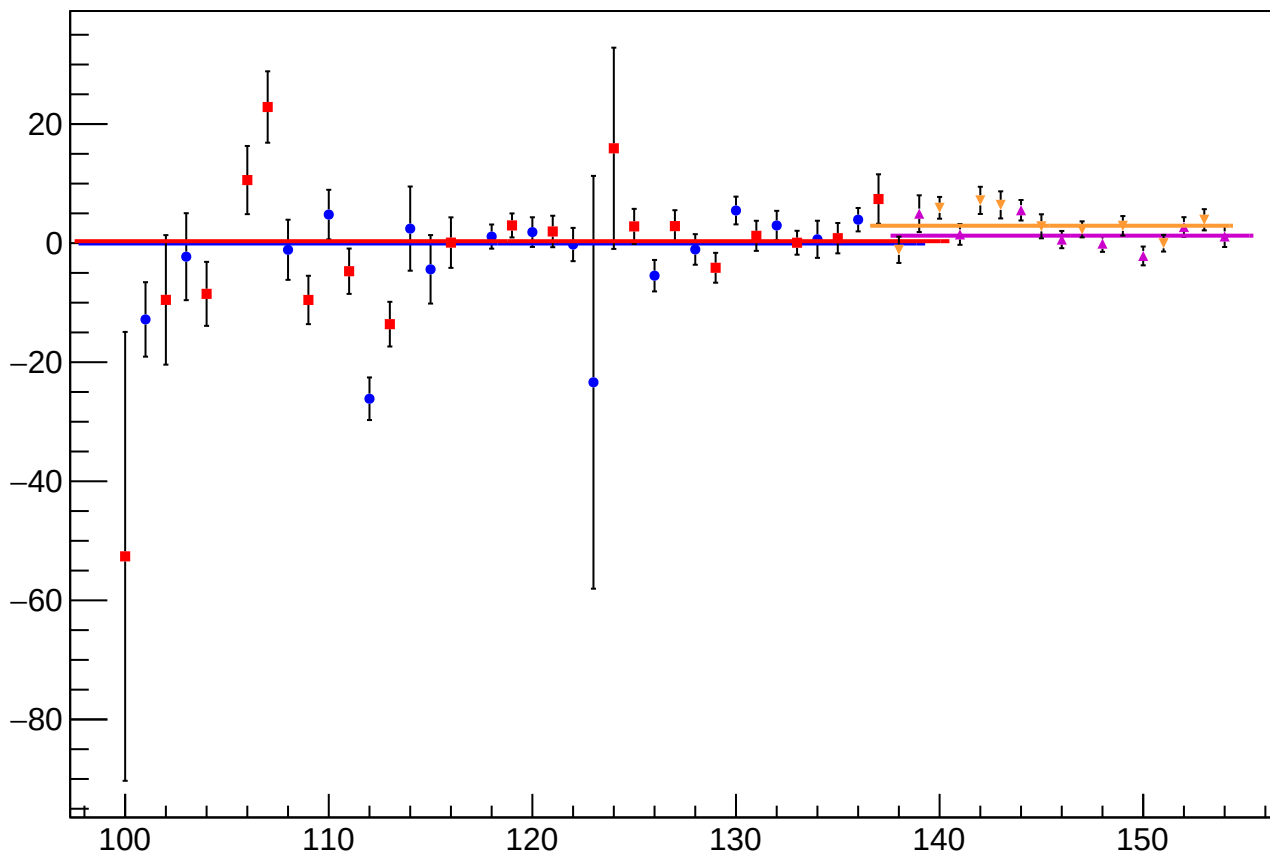
Right: 21.501+/-0.877 χ^2/NDF : 2345.0/35

In: 32.911+/-0.603 χ^2/NDF : 1171.4/24

Out: 28.678+/-0.615 χ^2/NDF : 2541.5/27

All: 30.837+/-0.430 χ^2/NDF : 3737.0/52

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.059 ± 0.744 χ^2/NDF : 76.5/16

Left Out: 2.926 ± 0.589 χ^2/NDF : 16.9/8

Right Out: 0.326 ± 0.749 χ^2/NDF : 55.1/18

Left In: 1.255 ± 0.591 χ^2/NDF : 14.2/7

Left: 2.095 ± 0.417 χ^2/NDF : 35.0/16

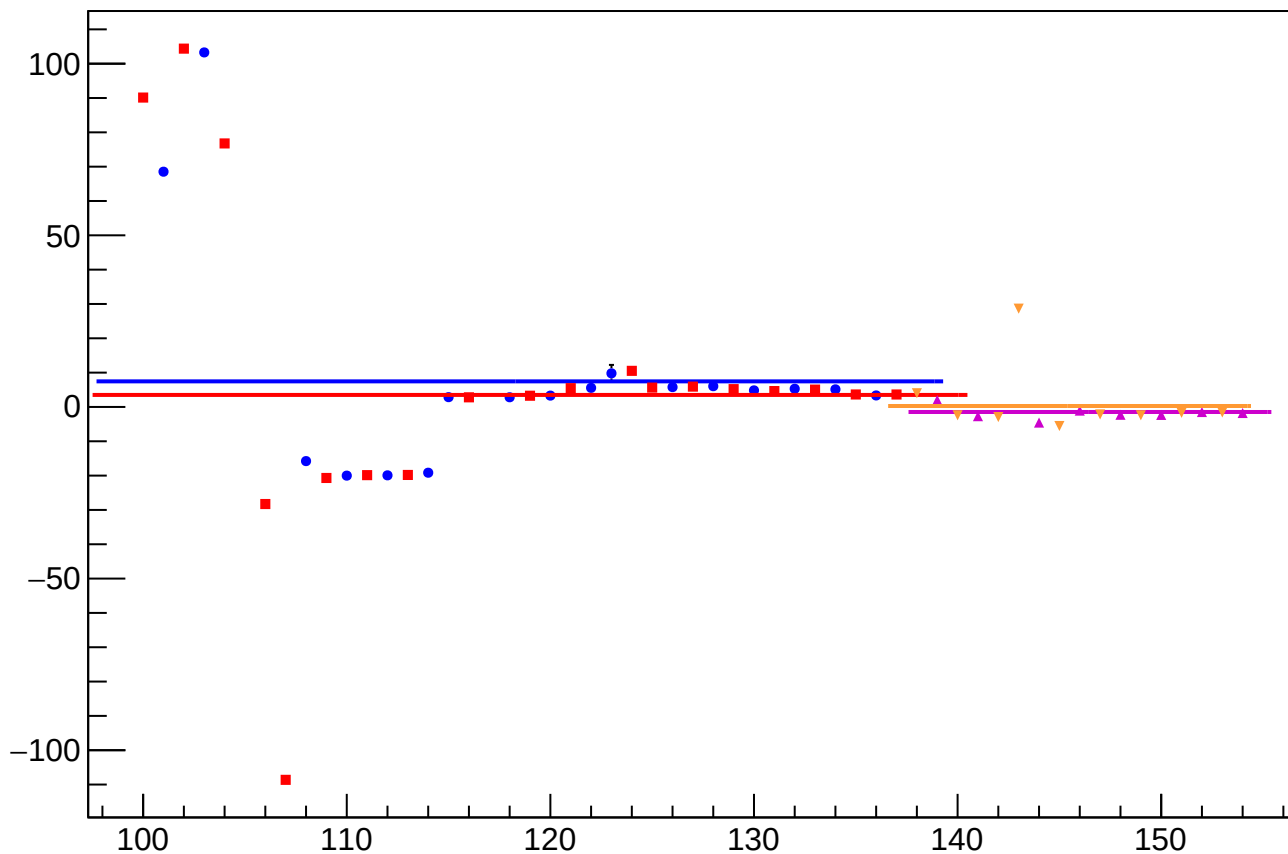
Right: 0.132 ± 0.528 χ^2/NDF : 131.8/35

In: 0.746 ± 0.463 χ^2/NDF : 92.6/24

Out: 1.934 ± 0.463 χ^2/NDF : 79.4/27

All: 1.340 ± 0.327 χ^2/NDF : 175.3/52

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 7.454 ± 0.044 $\chi^2/\text{NDF}: 356053.3/16$

Left Out: 0.277 ± 0.029 $\chi^2/\text{NDF}: 70280.7/8$

Right Out: 3.502 ± 0.046 $\chi^2/\text{NDF}: 510579.7/18$

Left In: -1.469 ± 0.028 $\chi^2/\text{NDF}: 4151.4/7$

Left: -0.636 ± 0.020 $\chi^2/\text{NDF}: 76308.7/16$

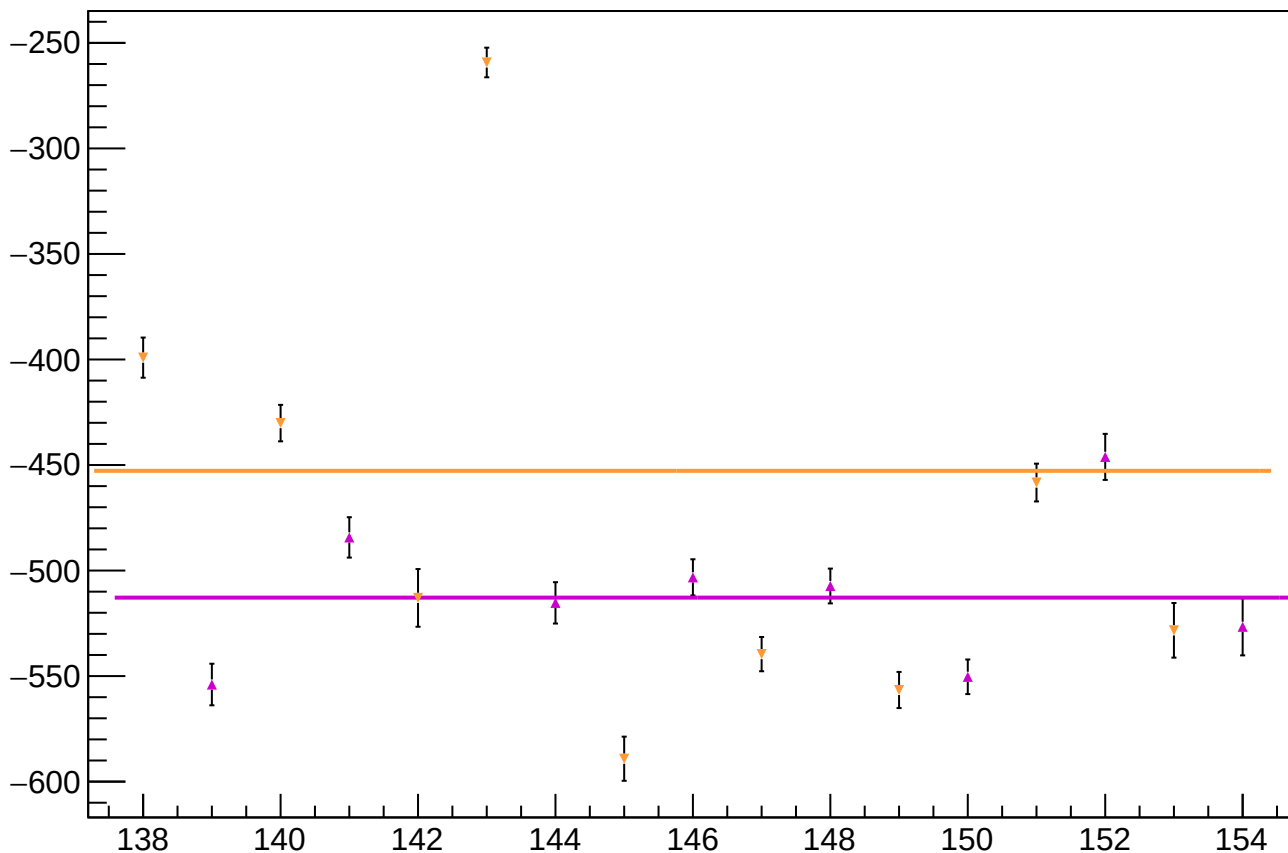
Right: 5.528 ± 0.032 $\chi^2/\text{NDF}: 870492.1/35$

In: 1.046 ± 0.024 $\chi^2/\text{NDF}: 389182.9/24$

Out: 1.214 ± 0.025 $\chi^2/\text{NDF}: 584418.0/27$

All: 1.126 ± 0.017 $\chi^2/\text{NDF}: 973625.2/52$

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: -452.754+/-3.064 χ^2/NDF :1284.0/8

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

Left In: -512.830+/-3.357 χ^2/NDF :87.5/7

Left: -480.058+/-2.263 χ^2/NDF : 1546.2/16

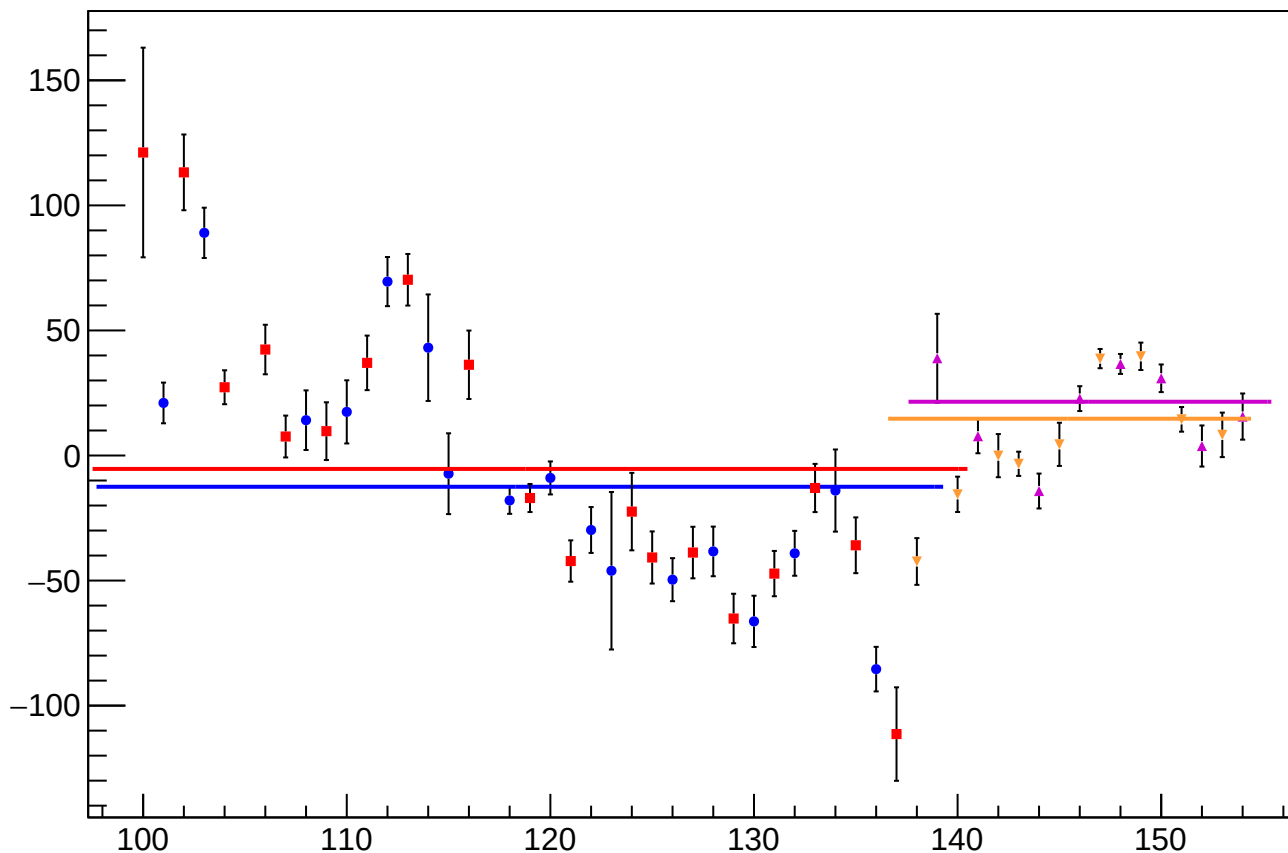
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -512.830+/-3.357 χ^2/NDF :87.5/7

Out: -452.754+/-3.064 χ^2/NDF :1284.0/8

All: -480.058+/-2.263 χ^2/NDF : 1546.2/16

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -12.500 ± 2.311 χ^2/NDF : 341.1/16

Left Out: 14.710 ± 1.977 χ^2/NDF : 134.2/8

Right Out: -5.363 ± 2.264 χ^2/NDF : 344.6/18

Left In: 21.495 ± 2.194 χ^2/NDF : 53.6/7

Left: 17.751 ± 1.469 χ^2/NDF : 193.1/16

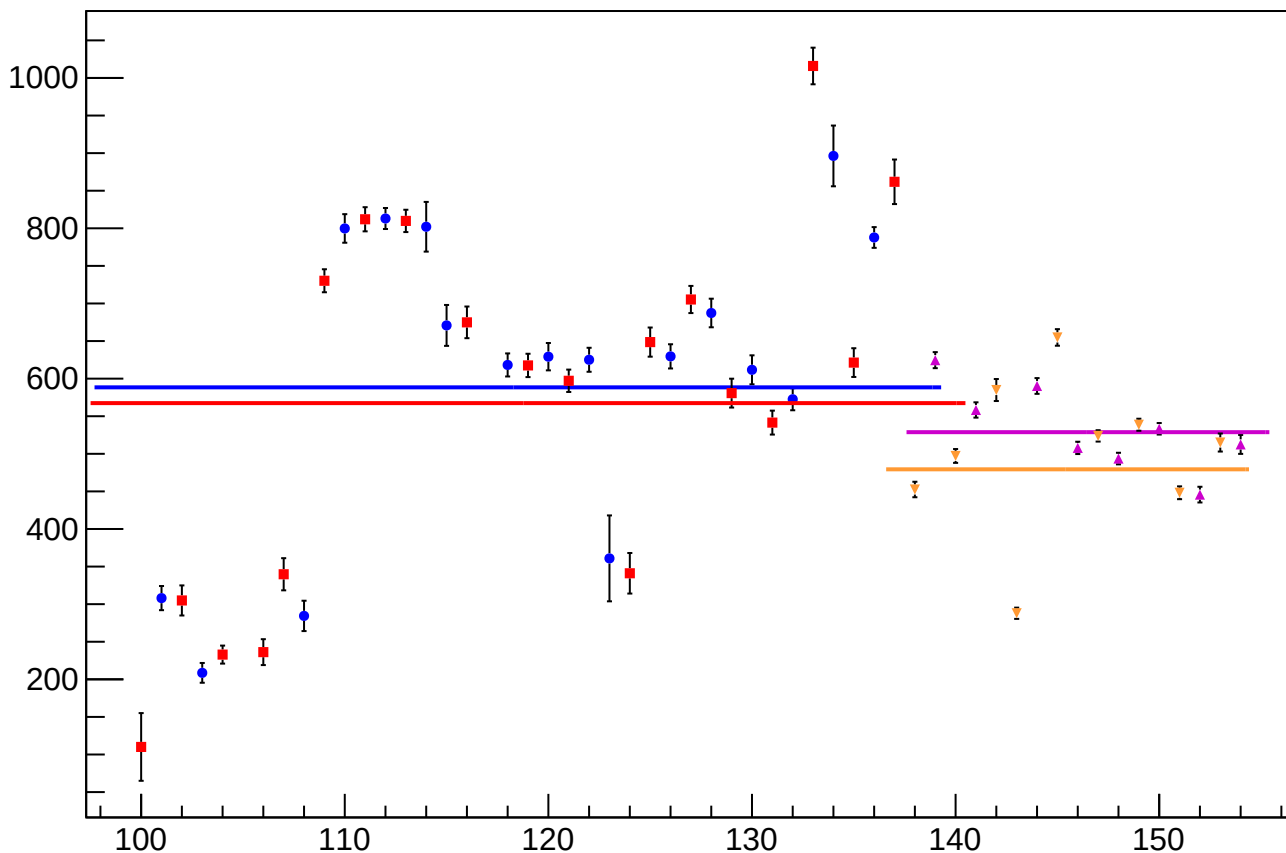
Right: -8.858 ± 1.617 χ^2/NDF : 690.5/35

In: 5.380 ± 1.591 χ^2/NDF : 508.5/24

Out: 6.026 ± 1.489 χ^2/NDF : 523.3/27

All: 5.724 ± 1.087 χ^2/NDF : 1031.9/52

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 588.421+/-4.320 χ^2/NDF : 2130.2/16

Left Out: 479.368+/-3.077 χ^2/NDF :1080.9/8

Right Out: 567.451+/-4.137 χ^2/NDF : 2784.8/18

Left In: 528.798+/-3.302 χ^2/NDF :216.0/7

Left: 502.341+/-2.251 χ^2/NDF : 1416.9/16

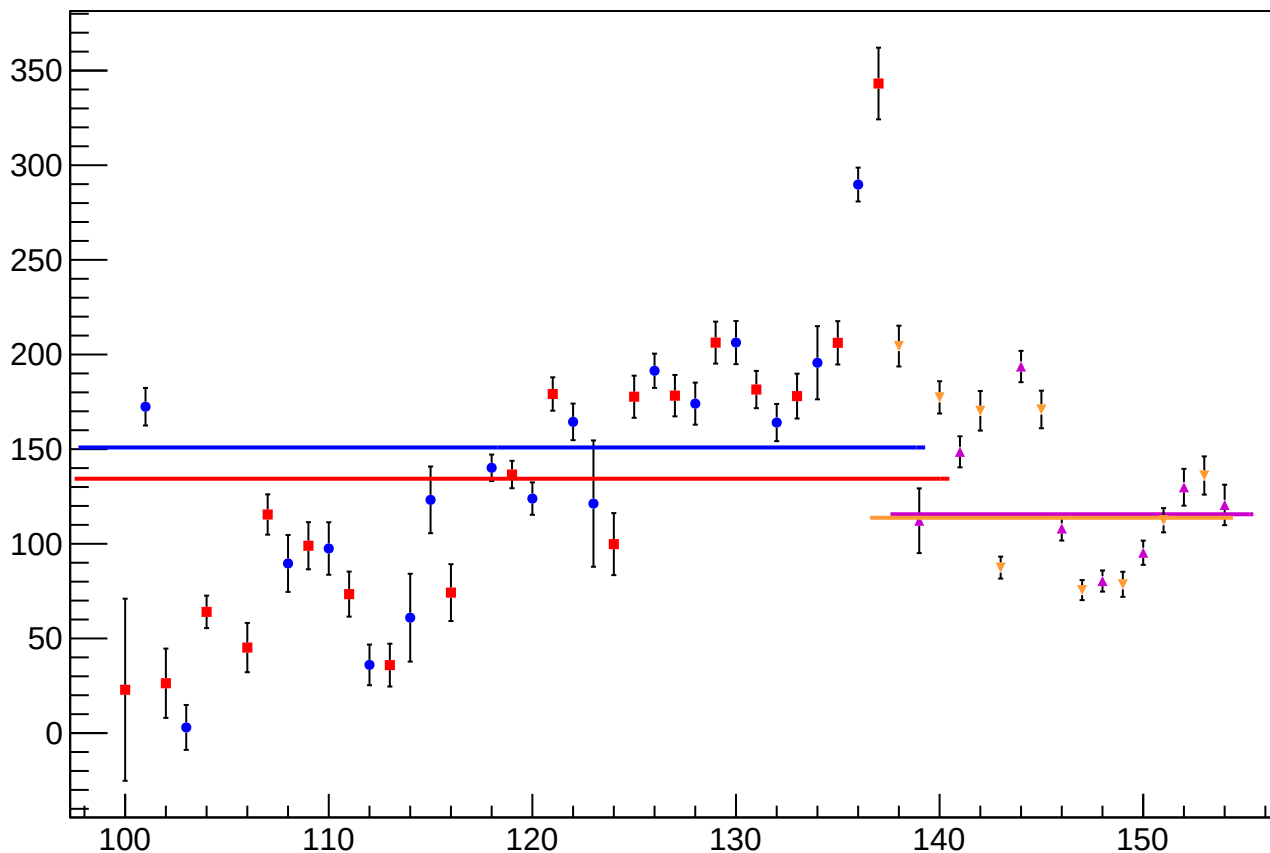
Right: 577.481+/-2.988 χ^2/NDF : 4927.3/35

In: 550.781+/-2.623 χ^2/NDF :2466.4/24

Out: 510.738+/-2.469 χ^2/NDF :4157.6/27

All: 529.545+/-1.798 χ^2/NDF : 6747.6/52

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 150.891 $\pm$ 2.674 χ^2 /NDF: 634.8/16

Left Out: 113.753 $\pm$ 2.471 χ^2 /NDF:294.4/8

Right Out: 134.381 $\pm$ 2.620 χ^2 /NDF: 584.9/18

Left In: 115.608 $\pm$ 2.739 χ^2 /NDF:158.9/7

Left: 114.586 $\pm$ 1.835 χ^2 /NDF: 453.5/16

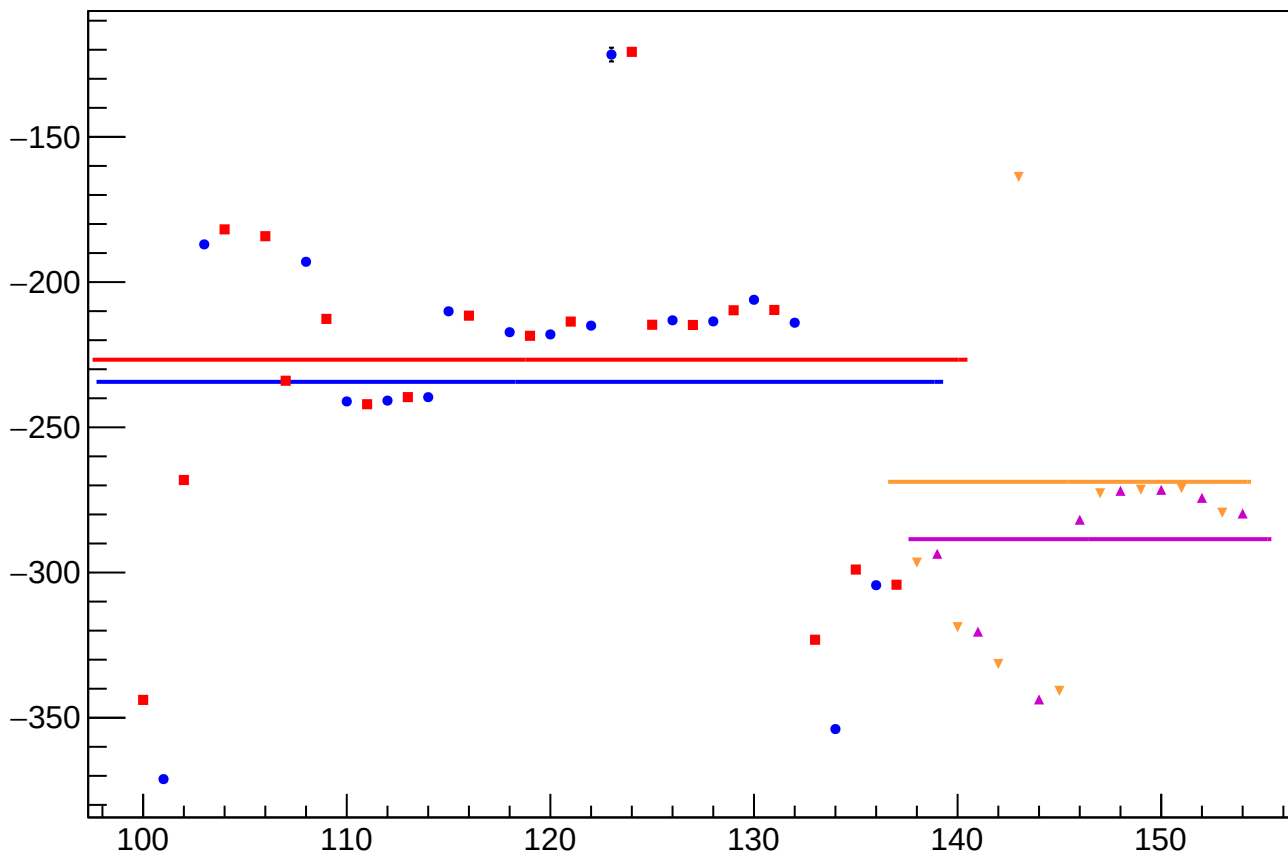
Right: 142.467 $\pm$ 1.871 χ^2 /NDF: 1239.2/35

In: 133.675 $\pm$ 1.913 χ^2 /NDF:878.6/24

Out: 123.467 $\pm$ 1.798 χ^2 /NDF:912.1/27

All: 128.253 $\pm$ 1.310 χ^2 /NDF: 1805.8/52

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -234.341+/-0.148 χ^2/NDF : 145165.1/16

Left Out: -268.763+/-0.129 χ^2/NDF : 181599.8/8

Right Out: -226.716+/-0.141 χ^2/NDF : 99440.4/18

Left In: -288.497+/-0.136 χ^2/NDF : 27790.4/7

Left: -278.106+/-0.094 χ^2/NDF : 220481.5/16

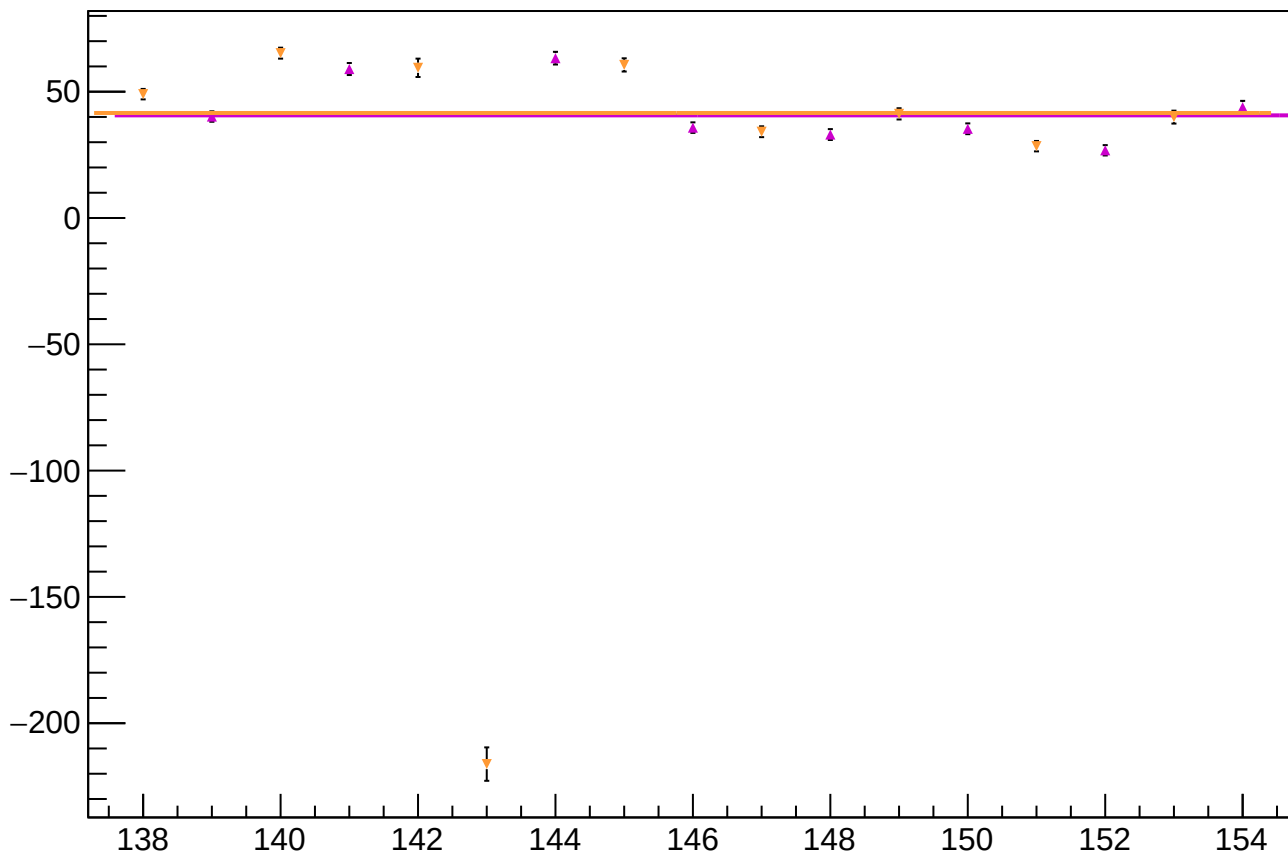
Right: -230.345+/-0.102 χ^2/NDF : 245990.9/35

In: -263.764+/-0.100 χ^2/NDF : 245402.1/24

Out: -249.665+/-0.095 χ^2/NDF : 329351.7/27

All: -256.356+/-0.069 χ^2/NDF : 585152.5/52

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 41.575+/-0.817 χ^2/NDF :1781.4/8

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

Left In: 40.631+/-0.783 χ^2/NDF :212.0/7

Left: 41.082+/-0.565 χ^2/NDF : 1994.1/16

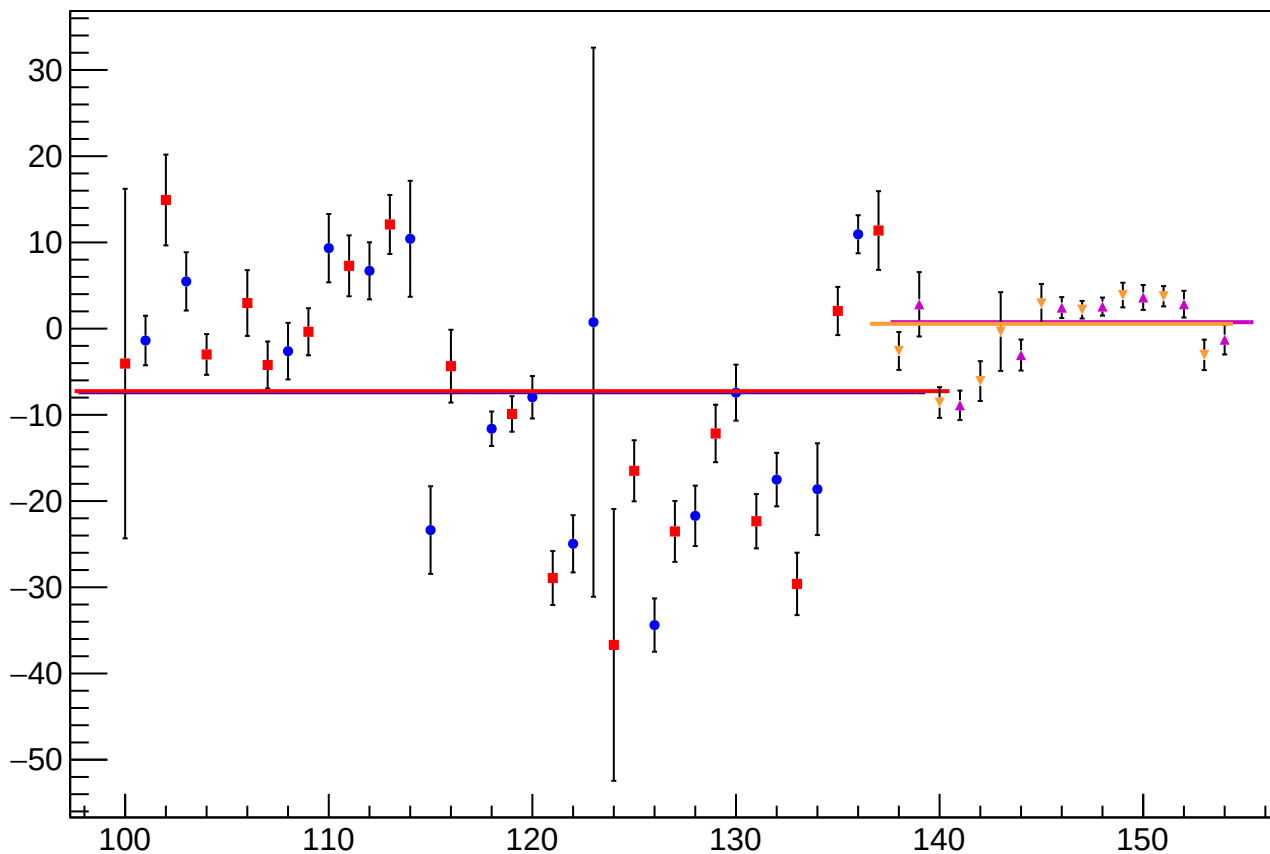
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 40.631+/-0.783 χ^2/NDF :212.0/7

Out: 41.575+/-0.817 χ^2/NDF :1781.4/8

All: 41.082+/-0.565 χ^2/NDF : 1994.1/16

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.381 ± 0.779 χ^2/NDF : 283.6/16

Left Out: 0.561 ± 0.539 χ^2/NDF : 57.2/8

Right Out: -7.256 ± 0.762 χ^2/NDF : 257.3/18

Left In: 0.749 ± 0.530 χ^2/NDF : 48.9/7

Left: 0.656 ± 0.378 χ^2/NDF : 106.2/16

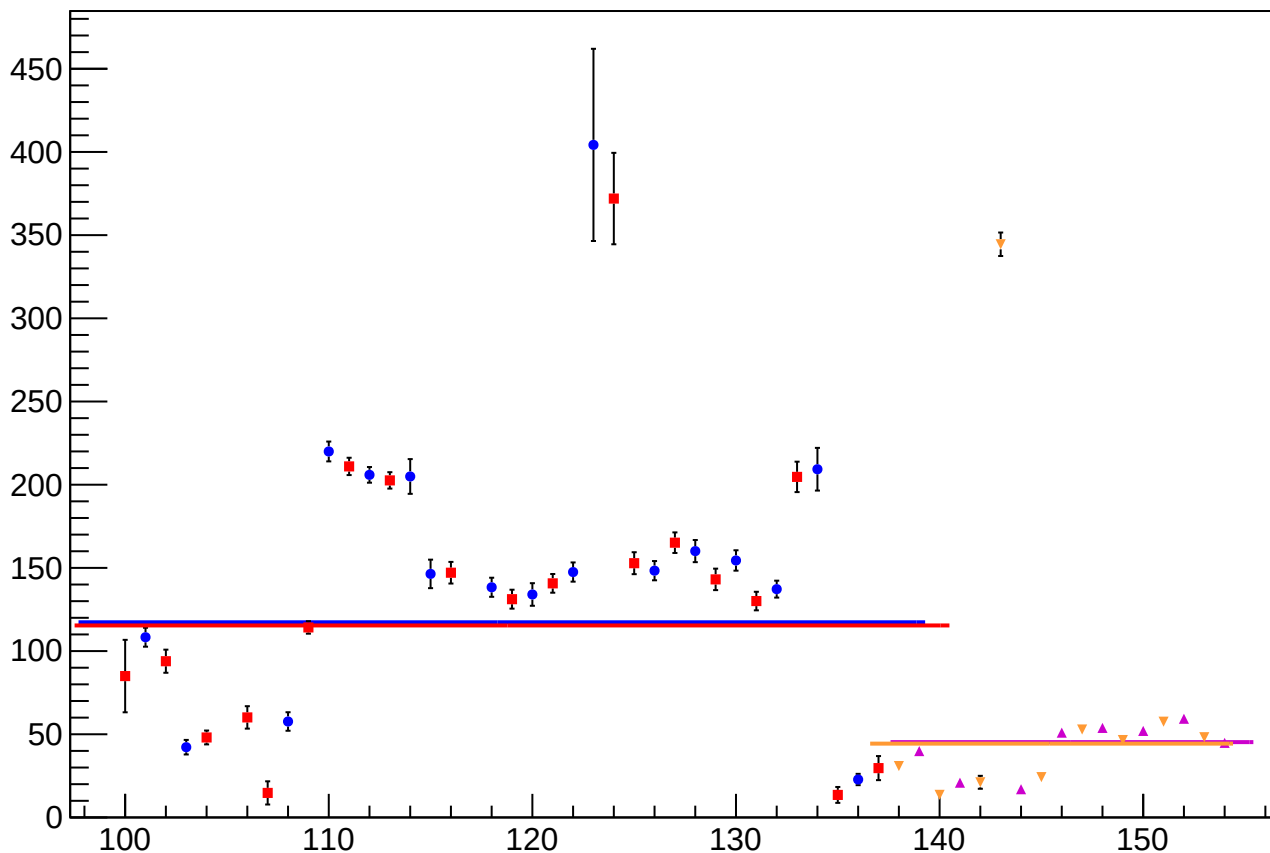
Right: -7.317 ± 0.545 χ^2/NDF : 540.9/35

In: -1.829 ± 0.438 χ^2/NDF : 406.9/24

Out: -2.044 ± 0.440 χ^2/NDF : 384.7/27

All: -1.936 ± 0.311 χ^2/NDF : 791.8/52

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 117.302 $\pm$ 1.409 χ^2 /NDF: 2161.3/16

Left Out: 44.372 $\pm$ 0.811 χ^2 /NDF:2178.5/8

Right Out: 115.405 $\pm$ 1.361 χ^2 /NDF: 2150.5/18

Left In: 45.280 $\pm$ 0.770 χ^2 /NDF:298.3/7

Left: 44.850 $\pm$ 0.558 χ^2 /NDF: 2477.5/16

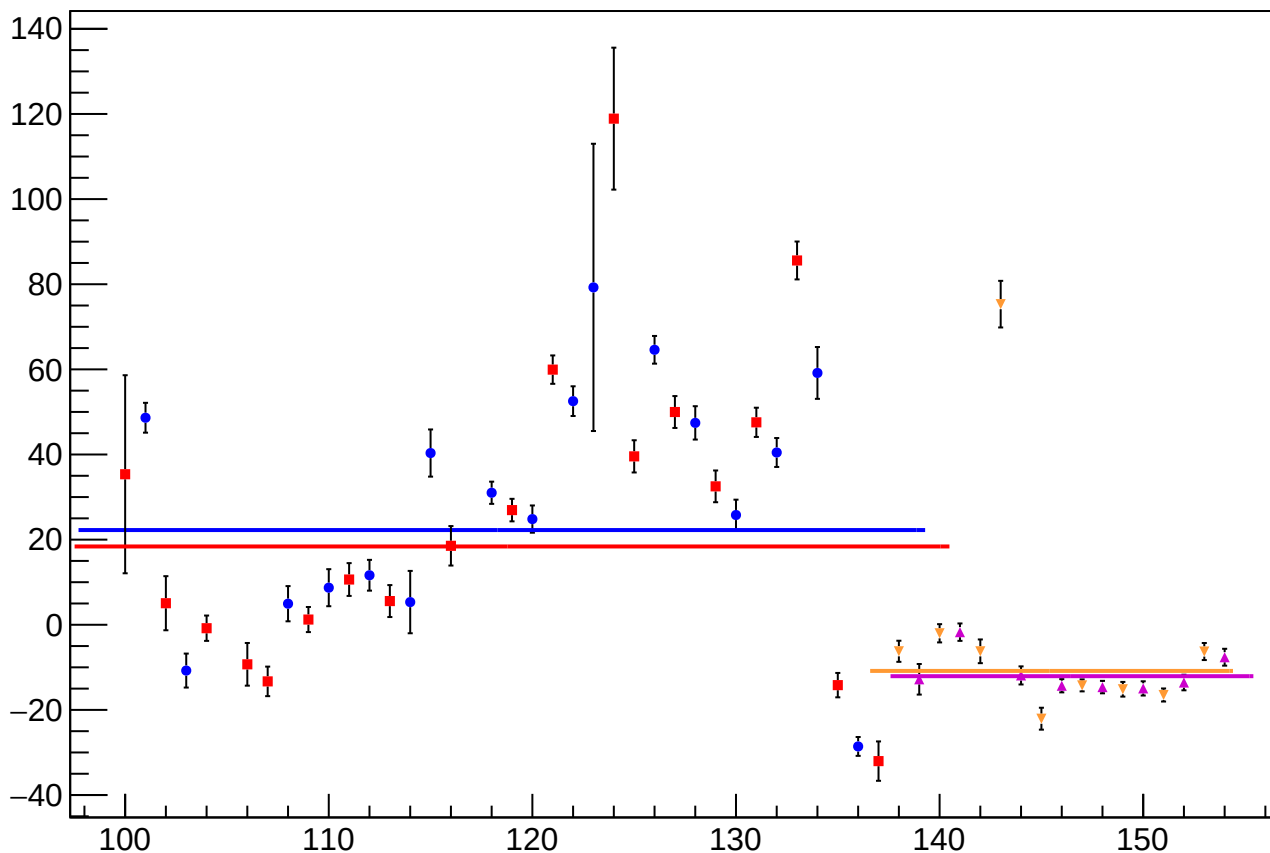
Right: 116.321 $\pm$ 0.979 χ^2 /NDF: 4312.7/35

In: 61.847 $\pm$ 0.676 χ^2 /NDF:4472.7/24

Out: 62.997 $\pm$ 0.697 χ^2 /NDF:6340.0/27

All: 62.404 $\pm$ 0.485 χ^2 /NDF: 10814.0/52

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.250 ± 0.889 χ^2/NDF : 1071.4/16

Left Out: -10.841 ± 0.672 χ^2/NDF : 320.7/8

Right Out: 18.395 ± 0.872 χ^2/NDF : 1077.1/18

Left In: -12.080 ± 0.655 χ^2/NDF : 39.4/7

Left: -11.476 ± 0.469 χ^2/NDF : 361.9/16

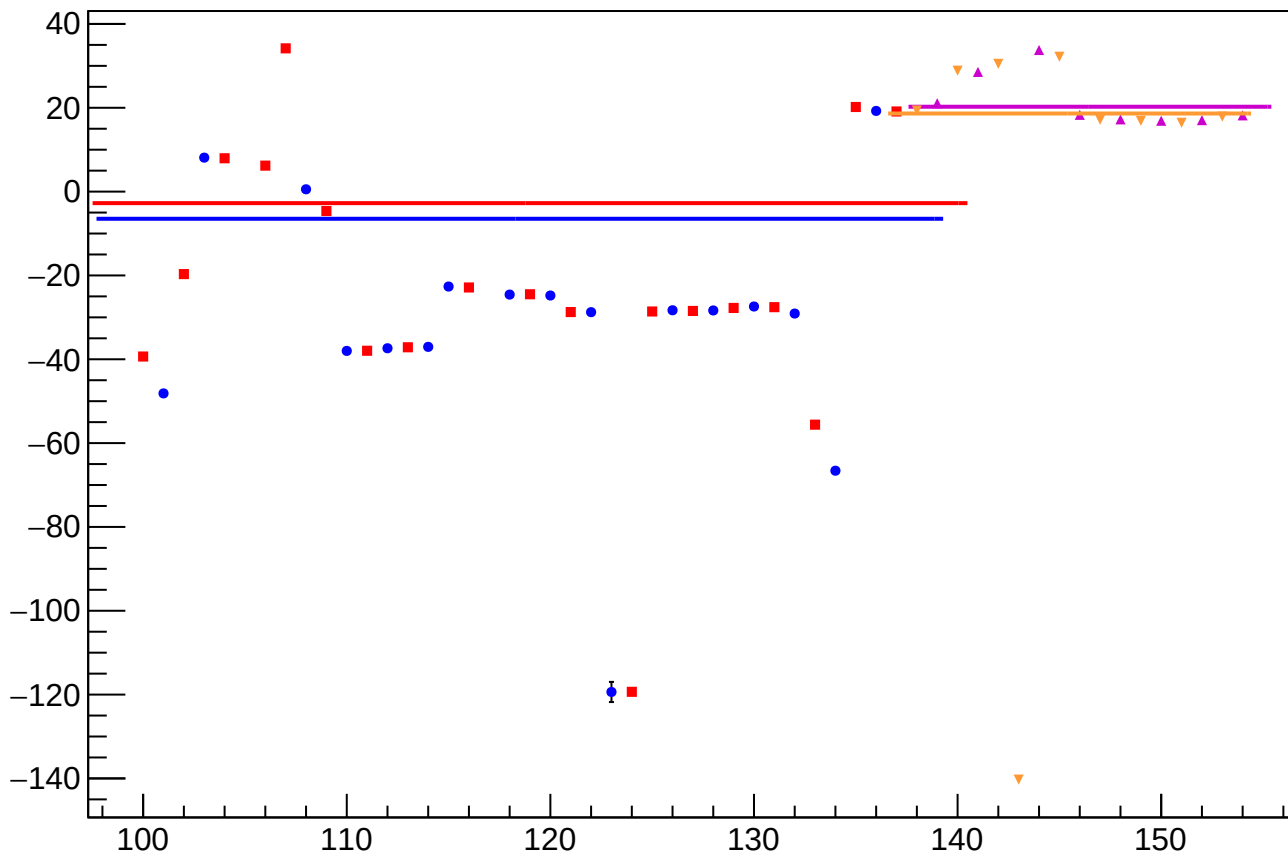
Right: 20.284 ± 0.622 χ^2/NDF : 2158.2/35

In: 0.008 ± 0.528 χ^2/NDF : 2076.7/24

Out: 0.064 ± 0.532 χ^2/NDF : 2103.0/27

All: 0.035 ± 0.375 χ^2/NDF : 4179.7/52

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.482 ± 0.046 $\chi^2/\text{NDF}: 265804.1/16$

Left Out: 18.633 ± 0.034 $\chi^2/\text{NDF}: 348553.3/8$

Right Out: -2.751 ± 0.046 $\chi^2/\text{NDF}: 266291.4/18$

Left In: 20.249 ± 0.031 $\chi^2/\text{NDF}: 25478.5/7$

Left: 19.503 ± 0.023 $\chi^2/\text{NDF}: 375272.9/16$

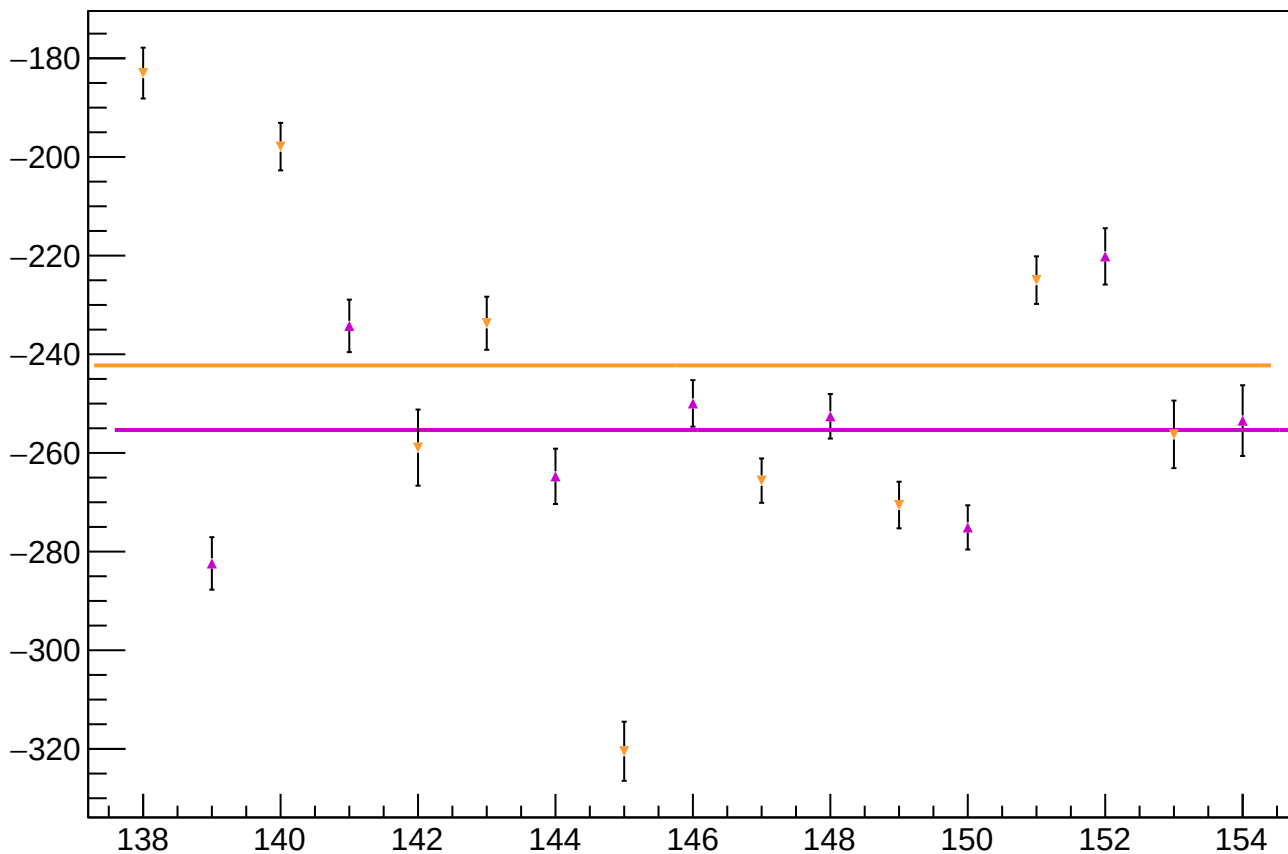
Right: -4.597 ± 0.032 $\chi^2/\text{NDF}: 535394.7/35$

In: 11.884 ± 0.026 $\chi^2/\text{NDF}: 521663.4/24$

Out: 11.108 ± 0.027 $\chi^2/\text{NDF}: 756874.2/27$

All: 11.514 ± 0.019 $\chi^2/\text{NDF}: 1278967.9/52$

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -242.250+/-1.772 χ^2/NDF :474.6/8

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

Left In: -255.344+/-1.837 χ^2/NDF :103.5/7

Left: -248.559+/-1.275 χ^2/NDF : 604.4/16

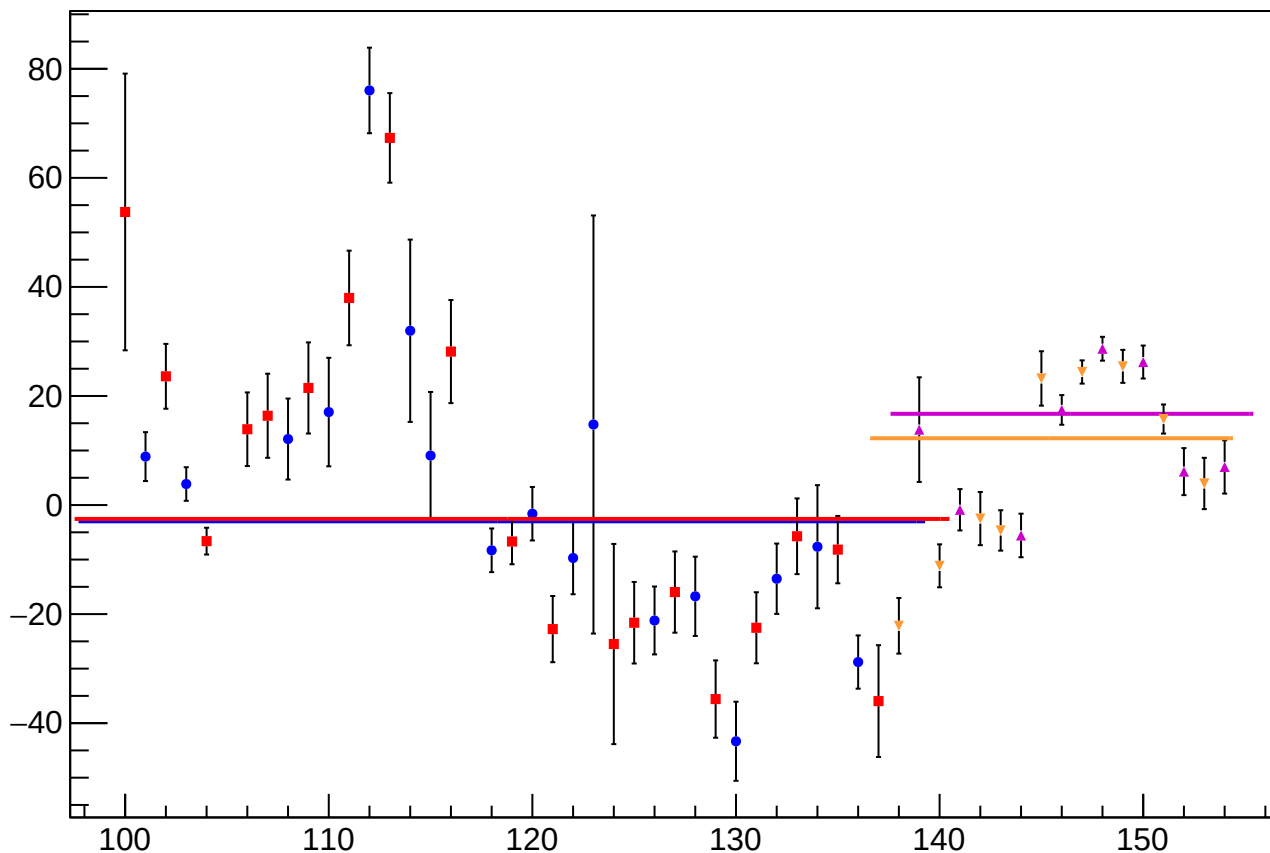
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -255.344+/-1.837 χ^2/NDF :103.5/7

Out: -242.250+/-1.772 χ^2/NDF :474.6/8

All: -248.559+/-1.275 χ^2/NDF : 604.4/16

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.981 ± 1.450 $\chi^2/\text{NDF}: 203.9/16$

Left Out: 12.251 ± 1.137 $\chi^2/\text{NDF}: 171.9/8$

Right Out: -2.548 ± 1.399 $\chi^2/\text{NDF}: 218.1/18$

Left In: 16.732 ± 1.201 $\chi^2/\text{NDF}: 102.6/7$

Left: 14.369 ± 0.826 $\chi^2/\text{NDF}: 281.8/16$

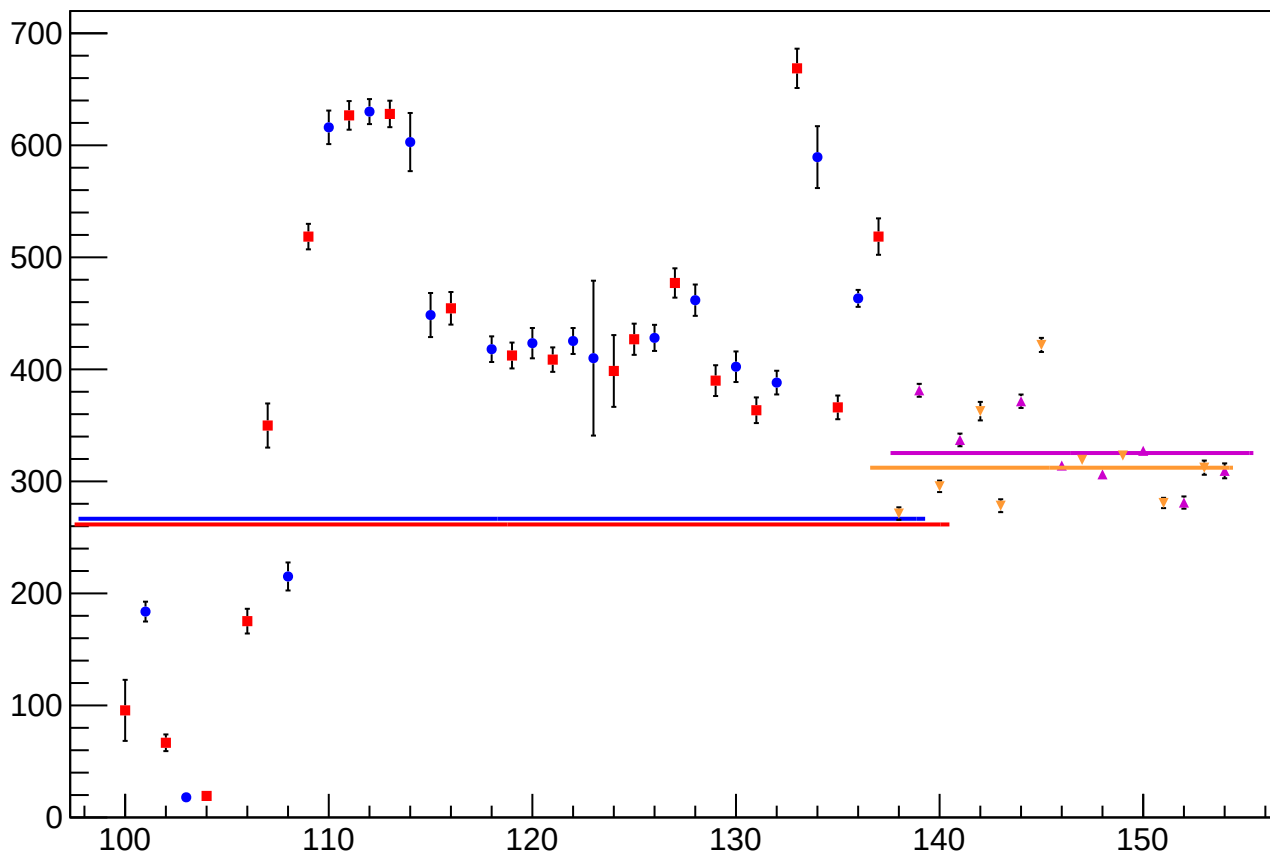
Right: -2.757 ± 1.007 $\chi^2/\text{NDF}: 422.1/35$

In: 8.710 ± 0.925 $\chi^2/\text{NDF}: 416.0/24$

Out: 6.362 ± 0.882 $\chi^2/\text{NDF}: 457.4/27$

All: 7.480 ± 0.639 $\chi^2/\text{NDF}: 876.8/52$

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 266.624 $\pm$ 2.477 χ^2 /NDF: 7662.7/16

Left Out: 312.208 $\pm$ 1.766 χ^2 /NDF:495.5/8

Right Out: 261.551 $\pm$ 2.458 χ^2 /NDF: 8208.2/18

Left In: 325.313 $\pm$ 1.804 χ^2 /NDF:255.6/7

Left: 318.621 $\pm$ 1.262 χ^2 /NDF: 778.1/16

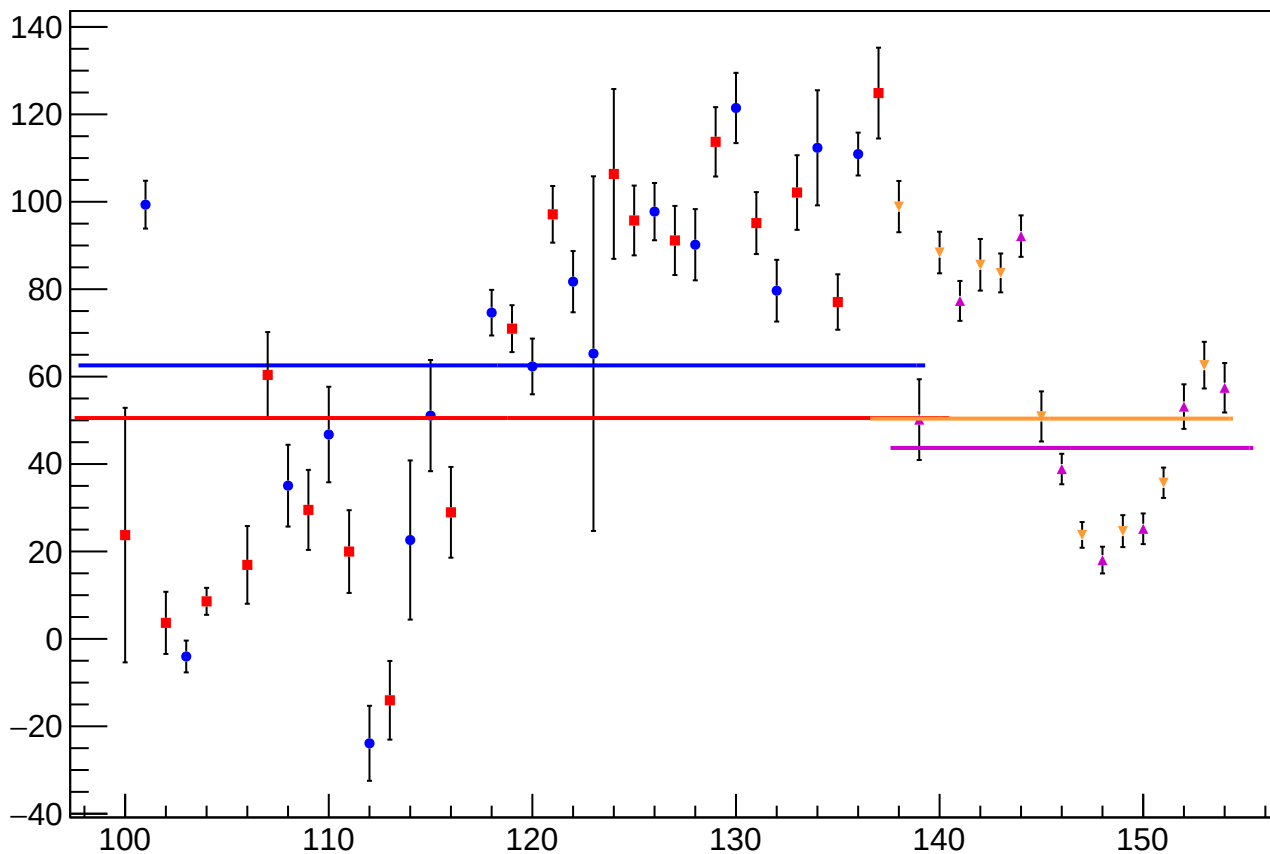
Right: 264.068 $\pm$ 1.745 χ^2 /NDF: 15873.0/35

In: 304.967 $\pm$ 1.459 χ^2 /NDF:8285.0/24

Out: 294.953 $\pm$ 1.434 χ^2 /NDF:8983.8/27

All: 299.877 $\pm$ 1.023 χ^2 /NDF: 17292.8/52

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 62.566 $\pm$ 1.678 χ^2 /NDF: 722.4/16

Left Out: 50.396 $\pm$ 1.426 χ^2 /NDF: 378.5/8

Right Out: 50.526 $\pm$ 1.643 χ^2 /NDF: 657.0/18

Left In: 43.683 $\pm$ 1.500 χ^2 /NDF: 268.6/7

Left: 47.209 $\pm$ 1.034 χ^2 /NDF: 657.6/16

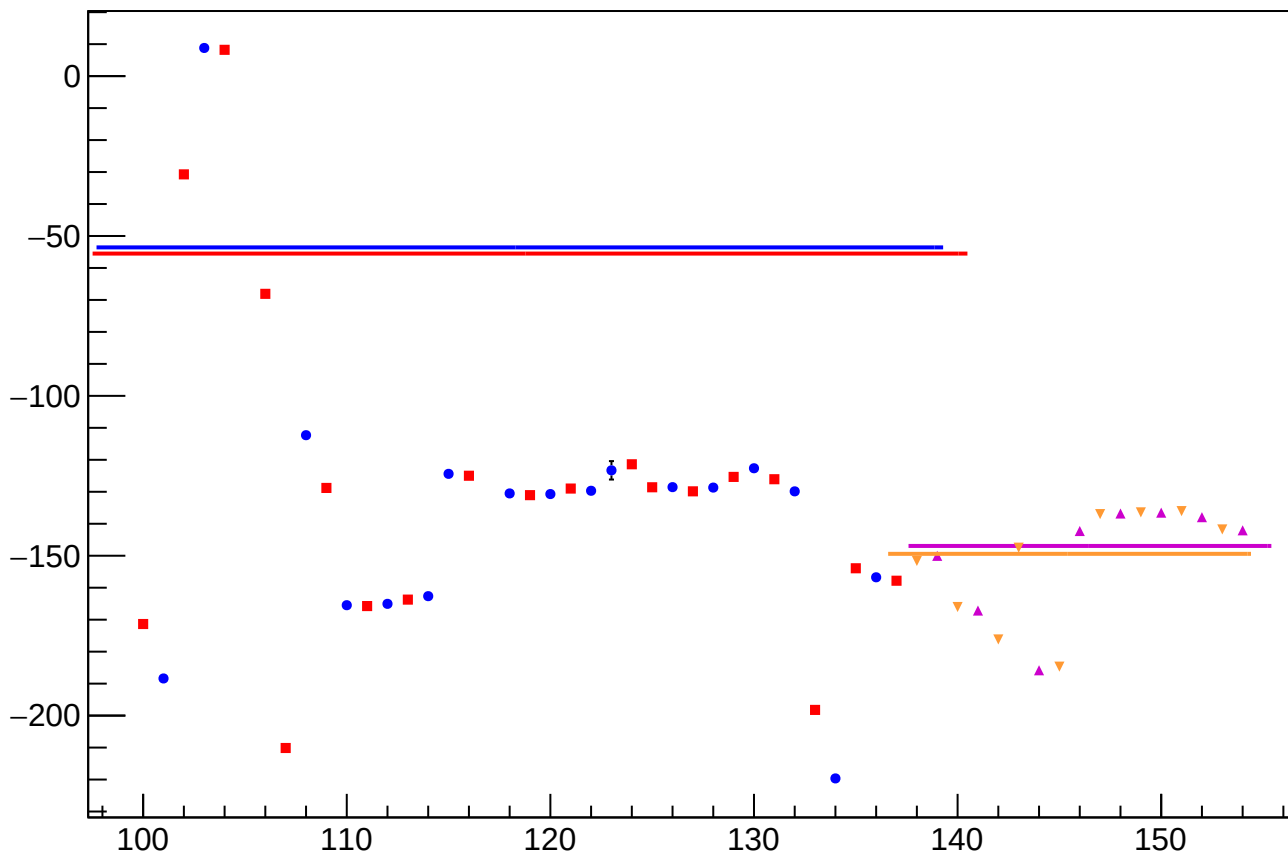
Right: 56.420 $\pm$ 1.174 χ^2 /NDF: 1405.7/35

In: 52.071 $\pm$ 1.118 χ^2 /NDF: 1061.4/24

Out: 50.452 $\pm$ 1.077 χ^2 /NDF: 1035.5/27

All: 51.231 $\pm$ 0.776 χ^2 /NDF: 2098.0/52

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -53.567 $\pm$ 0.070 χ^2 /NDF: 1230233.3/16

Left Out: -149.409 $\pm$ 0.074 χ^2 /NDF: 46470.8/8

Right Out: -55.502 $\pm$ 0.072 χ^2 /NDF: 969632.0/18

Left In: -146.939 $\pm$ 0.074 χ^2 /NDF: 39090.0/7

Left: -148.173 $\pm$ 0.052 χ^2 /NDF: 86114.9/16

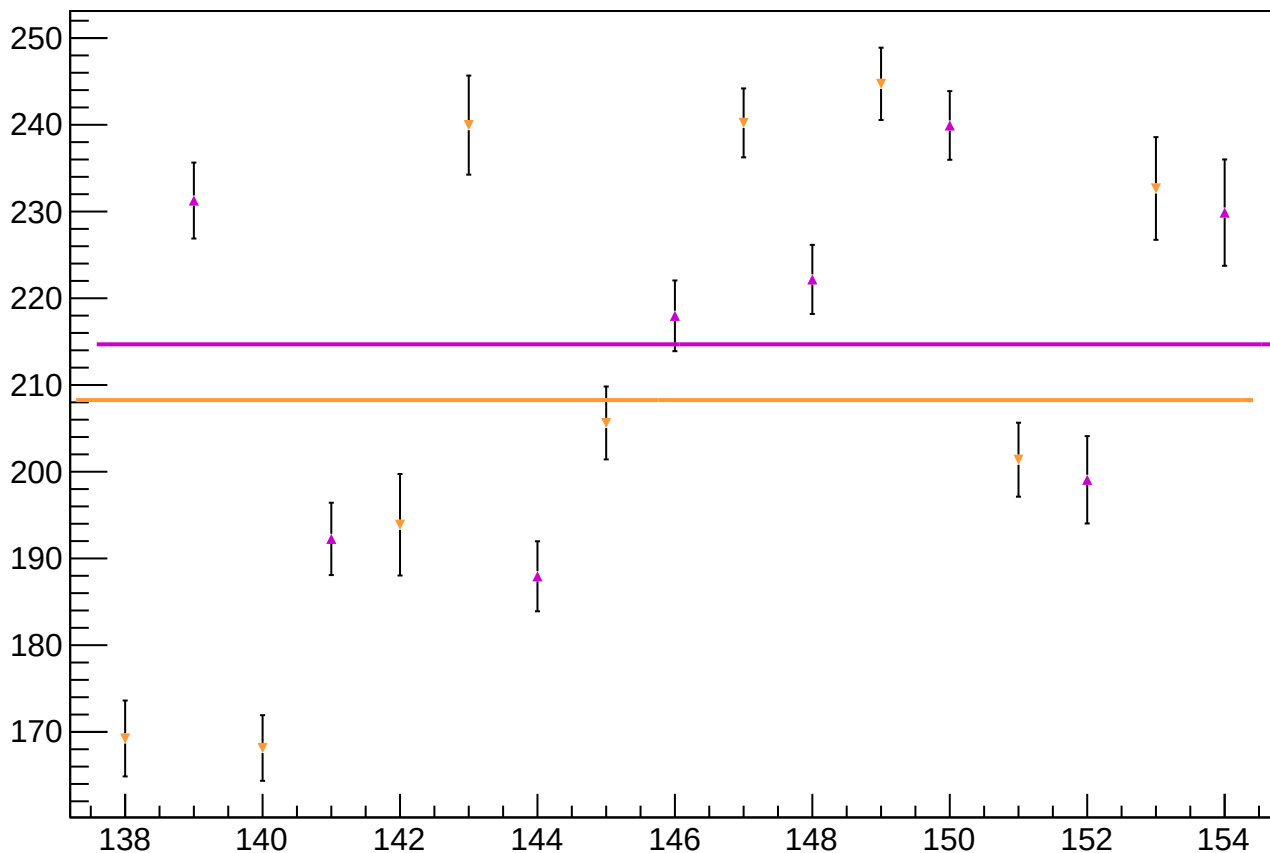
Right: -54.512 $\pm$ 0.050 χ^2 /NDF: 2200235.7/35

In: -97.751 $\pm$ 0.051 χ^2 /NDF: 2104738.1/24

Out: -100.967 $\pm$ 0.052 χ^2 /NDF: 1841832.2/27

All: -99.339 $\pm$ 0.036 χ^2 /NDF: 3948533.0/52

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: 208.260+/-1.503 χ^2/NDF :390.0/8

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

Left In: 214.690+/-1.536 χ^2/NDF :147.8/7

Left: 211.405+/-1.074 χ^2/NDF : 546.7/16

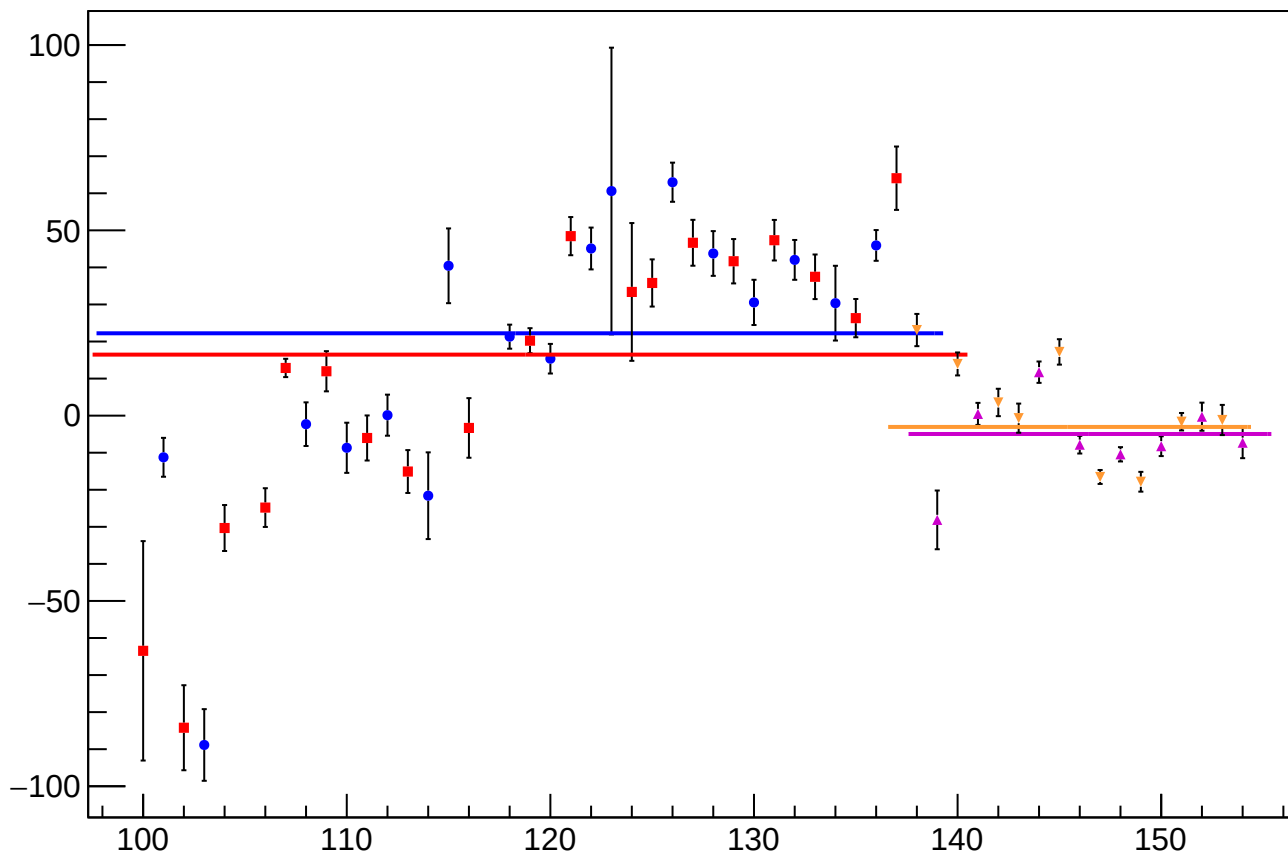
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 214.690+/-1.536 χ^2/NDF :147.8/7

Out: 208.260+/-1.503 χ^2/NDF :390.0/8

All: 211.405+/-1.074 χ^2/NDF : 546.7/16

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.221 ± 1.374 $\chi^2/\text{NDF}: 385.6/16$

Left Out: -3.046 ± 0.979 $\chi^2/\text{NDF}: 187.2/8$

Right Out: 16.466 ± 1.230 $\chi^2/\text{NDF}: 425.9/18$

Left In: -4.951 ± 1.020 $\chi^2/\text{NDF}: 58.2/7$

Left: -3.960 ± 0.706 $\chi^2/\text{NDF}: 247.2/16$

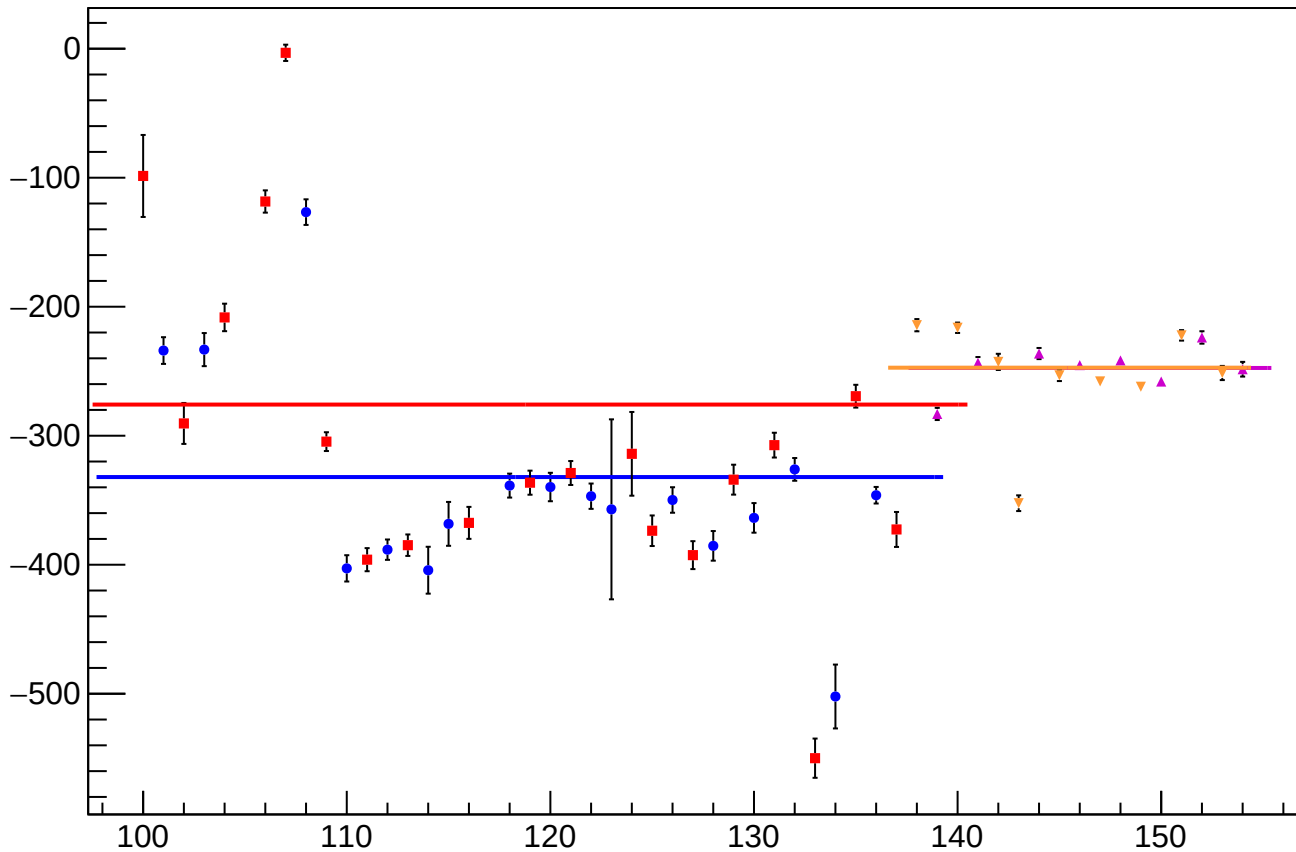
Right: 19.025 ± 0.916 $\chi^2/\text{NDF}: 821.2/35$

In: 4.704 ± 0.819 $\chi^2/\text{NDF}: 696.0/24$

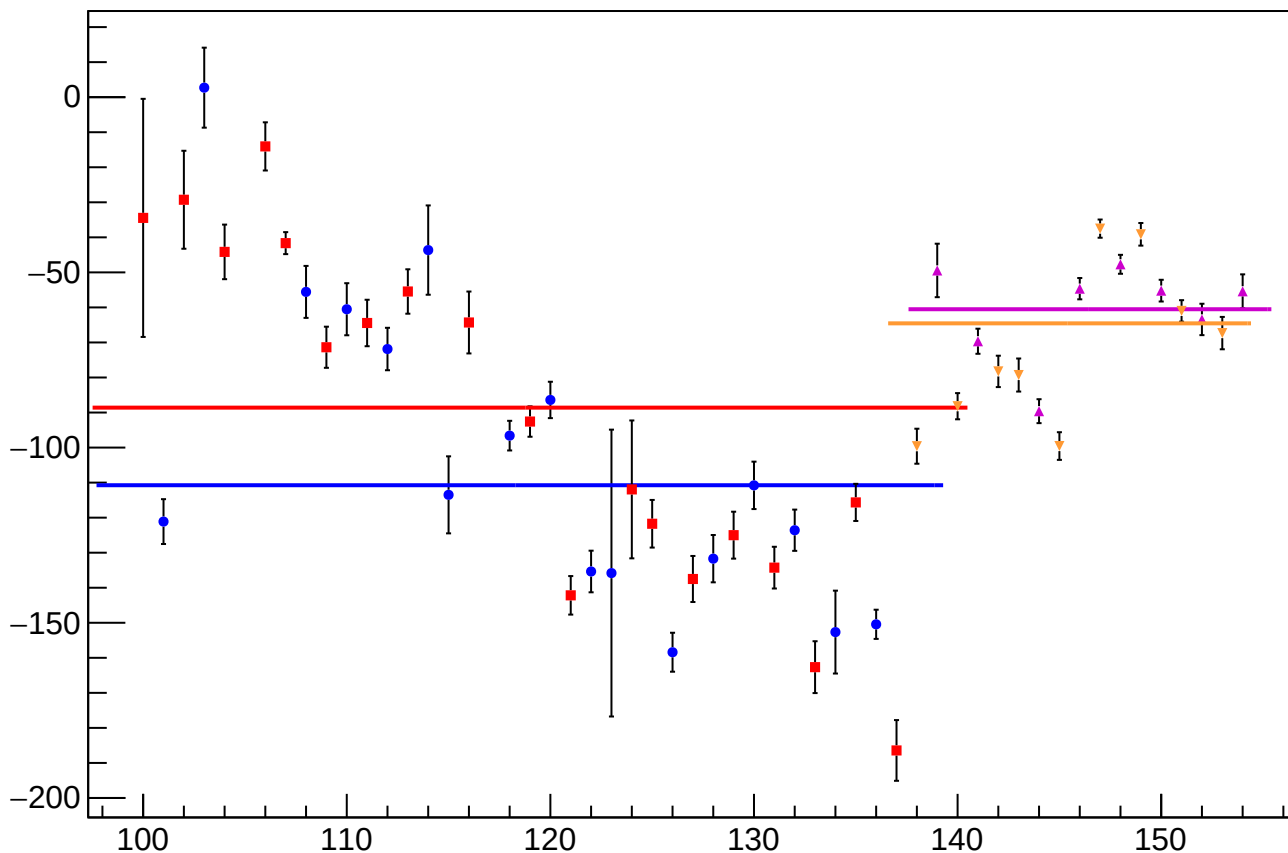
Out: 4.529 ± 0.766 $\chi^2/\text{NDF}: 767.1/27$

All: 4.611 ± 0.559 $\chi^2/\text{NDF}: 1463.2/52$

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -110.745+/-1.578 χ^2/NDF : 513.4/16

Left Out: -64.548+/-1.224 χ^2/NDF : 359.1/8

Right Out: -88.600+/-1.435 χ^2/NDF : 969.7/18

Left In: -60.518+/-1.267 χ^2/NDF : 111.9/7

Left: -62.604+/-0.880 χ^2/NDF : 476.3/16

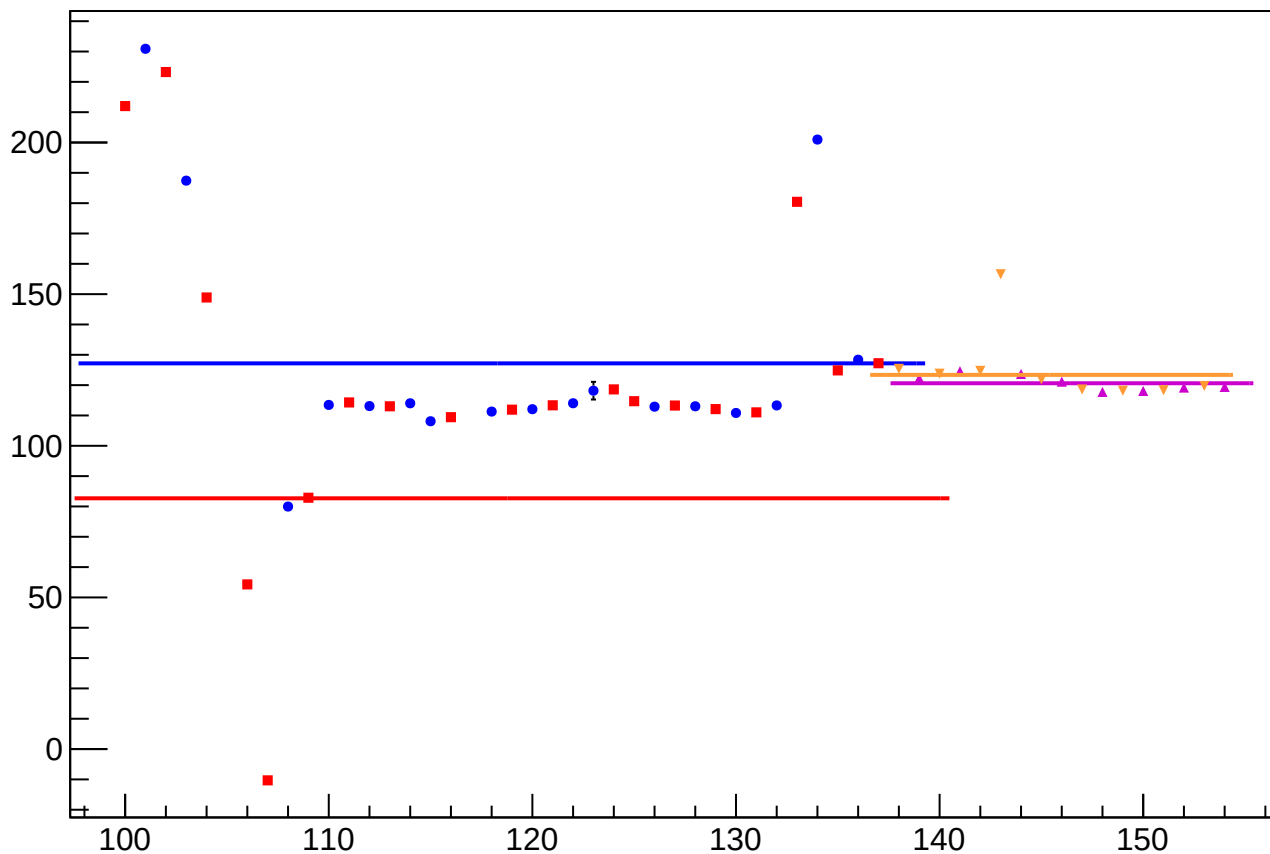
Right: -98.623+/-1.061 χ^2/NDF : 1591.0/35

In: -80.216+/-0.988 χ^2/NDF : 1241.5/24

Out: -74.677+/-0.931 χ^2/NDF : 1491.6/27

All: -77.282+/-0.678 χ^2/NDF : 2749.7/52

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 127.179 $\pm$ 0.089 χ^2 /NDF: 188050.9/16

Left Out: 123.376 $\pm$ 0.063 χ^2 /NDF: 21458.4/8

Right Out: 82.684 $\pm$ 0.075 χ^2 /NDF: 765716.0/18

Left In: 120.624 $\pm$ 0.062 χ^2 /NDF: 1532.9/7

Left: 121.985 $\pm$ 0.044 χ^2 /NDF: 23953.9/16

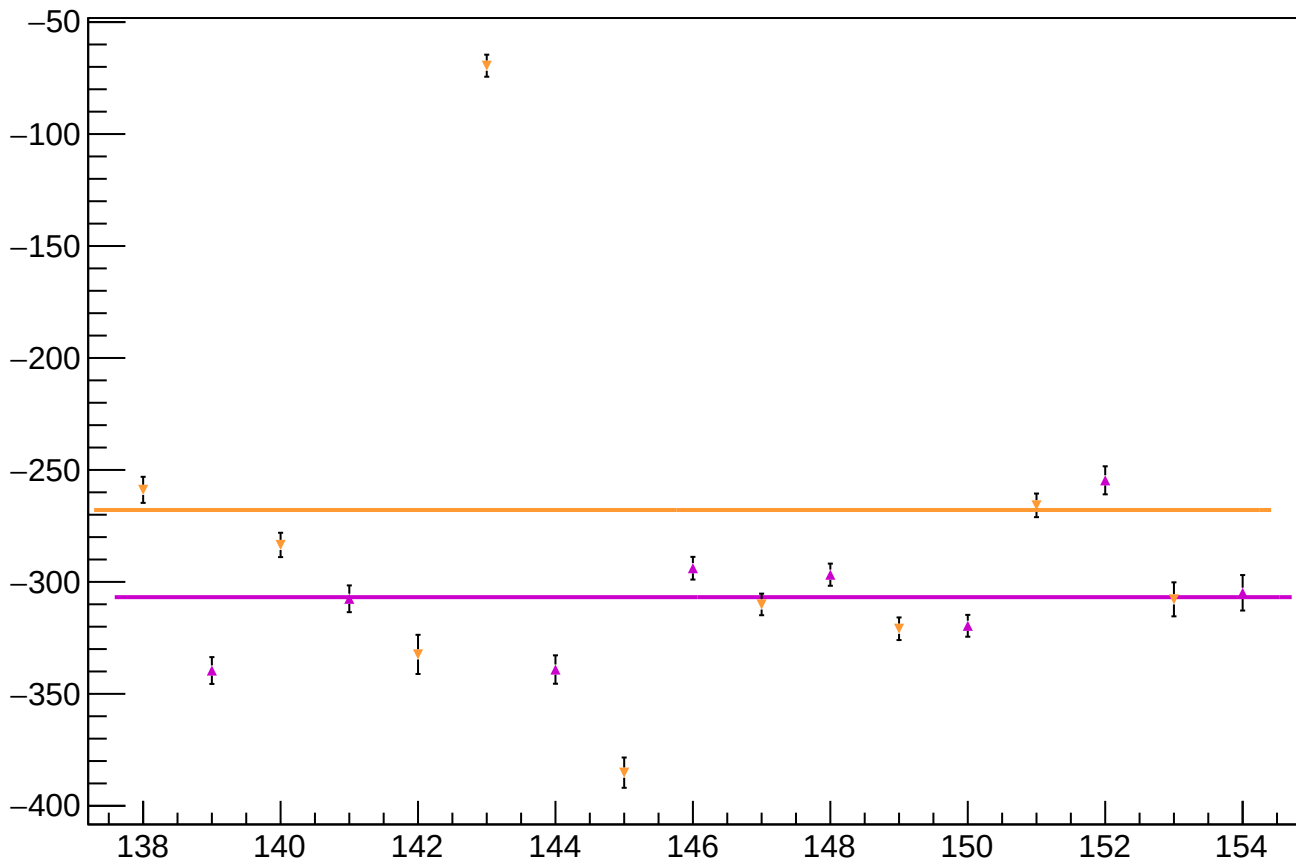
Right: 101.242 $\pm$ 0.057 χ^2 /NDF: 1099401.9/35

In: 122.783 $\pm$ 0.051 χ^2 /NDF: 193220.3/24

Out: 106.595 $\pm$ 0.048 χ^2 /NDF: 958774.0/27

All: 114.244 $\pm$ 0.035 χ^2 /NDF: 1204951.3/52

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: -267.884+/-1.907 χ^2/NDF :2204.4/8

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

Left In: -306.813+/-2.025 χ^2/NDF :142.9/7

Left: -286.179+/-1.388 χ^2/NDF : 2543.2/16

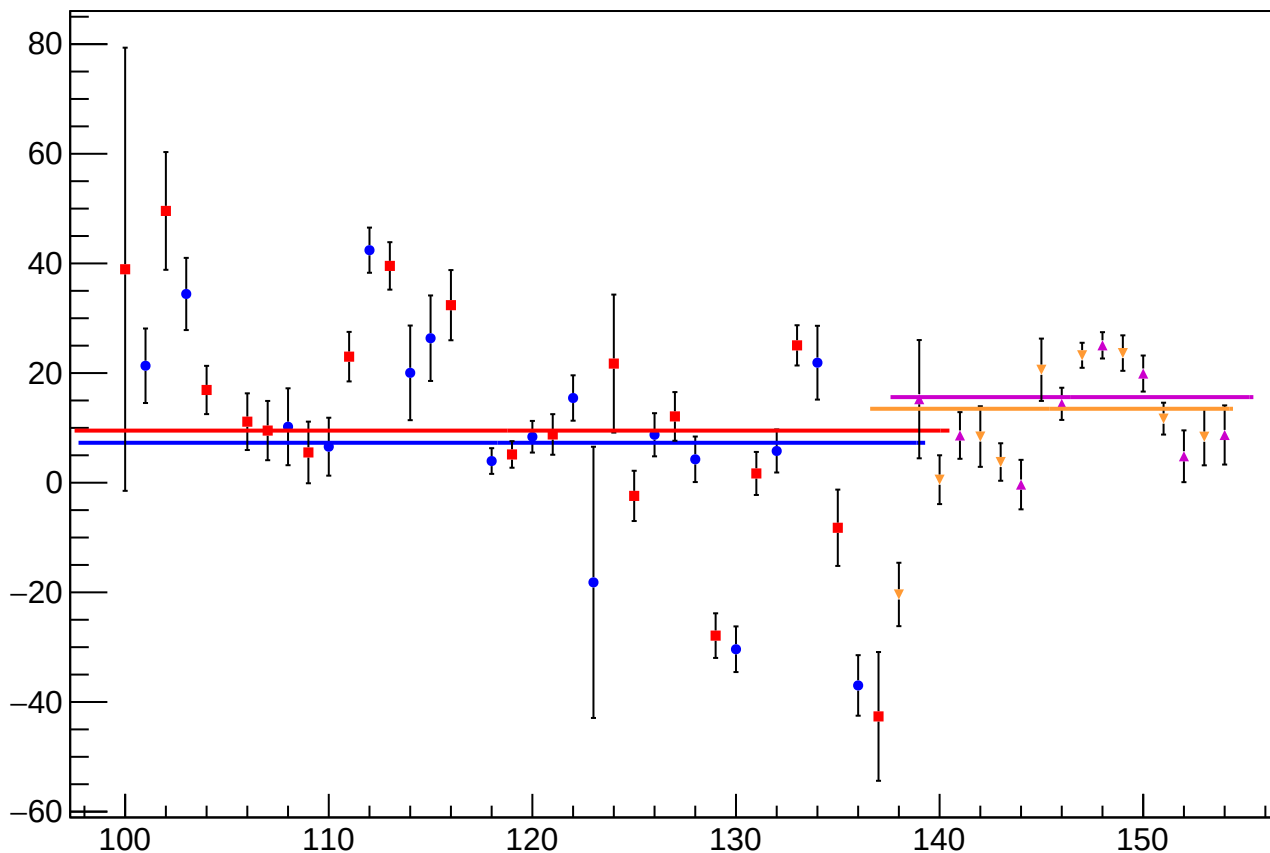
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -306.813+/-2.025 χ^2/NDF :142.9/7

Out: -267.884+/-1.907 χ^2/NDF :2204.4/8

All: -286.179+/-1.388 χ^2/NDF : 2543.2/16

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.284 $\pm$ 1.084 χ^2 /NDF: 261.0/16

Left Out: 13.487 $\pm$ 1.220 χ^2 /NDF:82.7/8

Right Out: 9.505 $\pm$ 1.074 χ^2 /NDF: 231.5/18

Left In: 15.614 $\pm$ 1.320 χ^2 /NDF:39.4/7

Left: 14.467 $\pm$ 0.896 χ^2 /NDF: 123.5/16

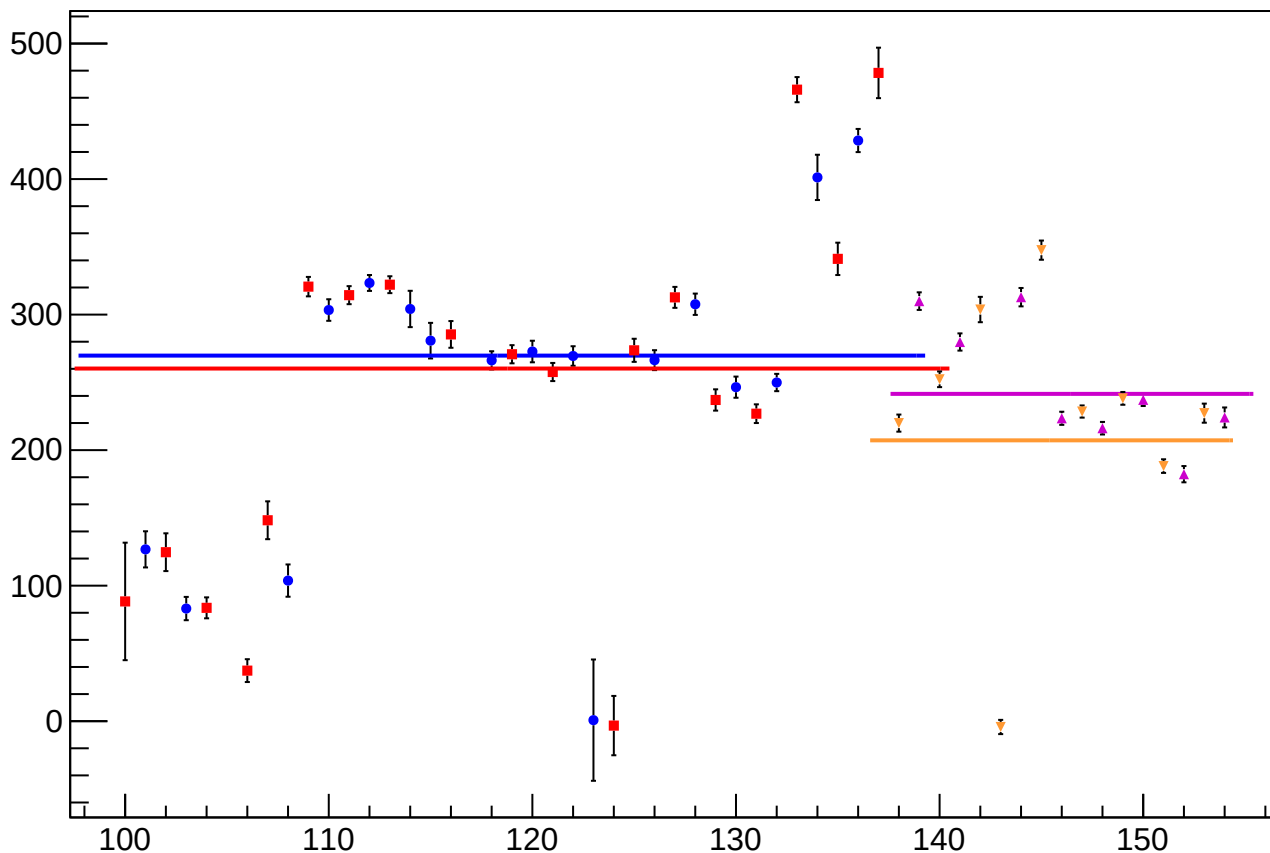
Right: 8.404 $\pm$ 0.763 χ^2 /NDF: 494.7/35

In: 10.638 $\pm$ 0.837 χ^2 /NDF:324.2/24

Out: 11.244 $\pm$ 0.806 χ^2 /NDF:320.2/27

All: 10.952 $\pm$ 0.581 χ^2 /NDF: 644.7/52

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 269.748 $\pm$ 2.071 χ^2 /NDF: 1374.1/16

Left Out: 207.223 $\pm$ 1.902 χ^2 /NDF:2270.8/8

Right Out: 260.206 $\pm$ 1.978 χ^2 /NDF: 2541.6/18

Left In: 241.507 $\pm$ 1.985 χ^2 /NDF:405.9/7

Left: 223.627 $\pm$ 1.373 χ^2 /NDF: 2832.2/16

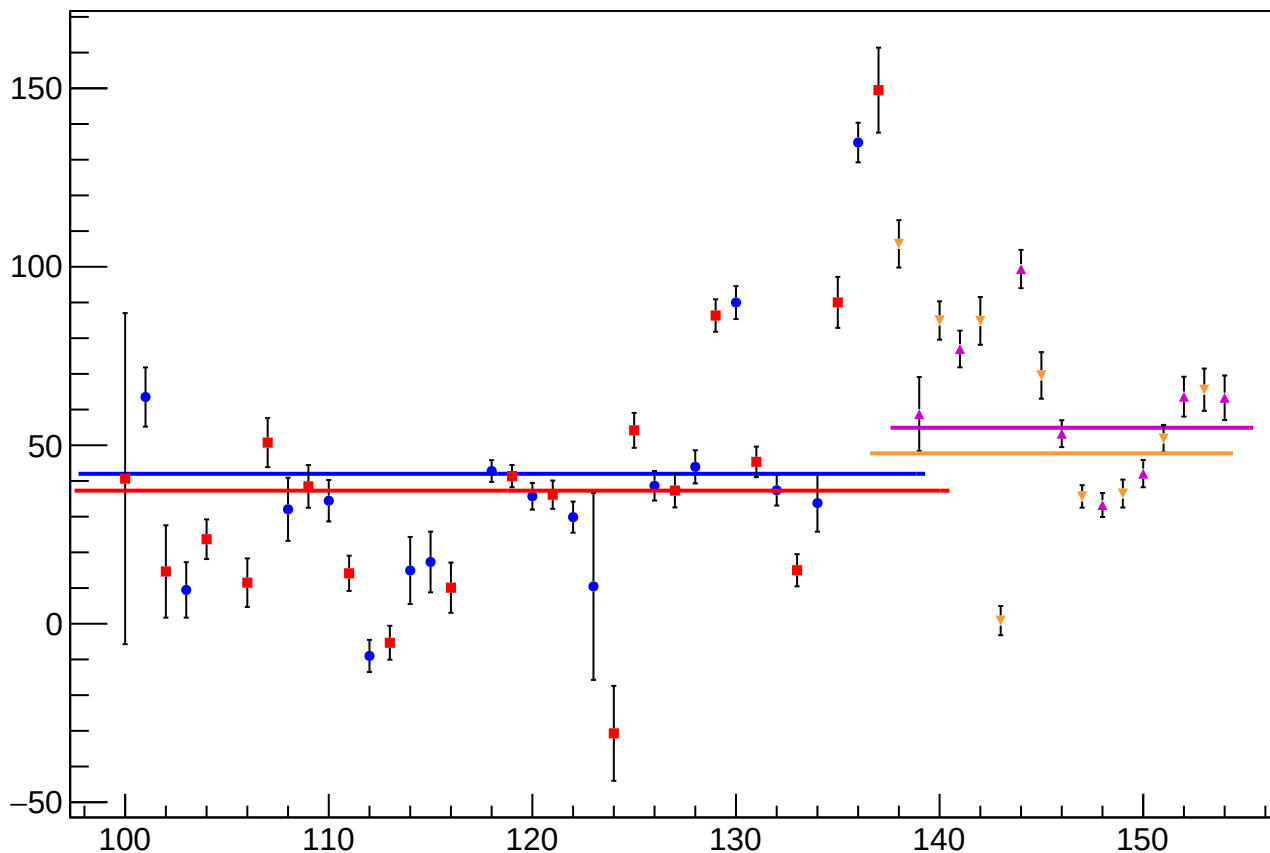
Right: 264.757 $\pm$ 1.430 χ^2 /NDF: 3926.7/35

In: 255.030 $\pm$ 1.433 χ^2 /NDF:1876.8/24

Out: 232.676 $\pm$ 1.371 χ^2 /NDF:5185.2/27

All: 243.355 $\pm$ 0.991 χ^2 /NDF: 7189.1/52

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.006 ± 1.255 $\chi^2/\text{NDF}: 575.6/16$

Left Out: 47.742 ± 1.530 $\chi^2/\text{NDF}: 332.4/8$

Right Out: 37.284 ± 1.237 $\chi^2/\text{NDF}: 472.6/18$

Left In: 54.908 ± 1.649 $\chi^2/\text{NDF}: 144.9/7$

Left: 51.058 ± 1.121 $\chi^2/\text{NDF}: 487.4/16$

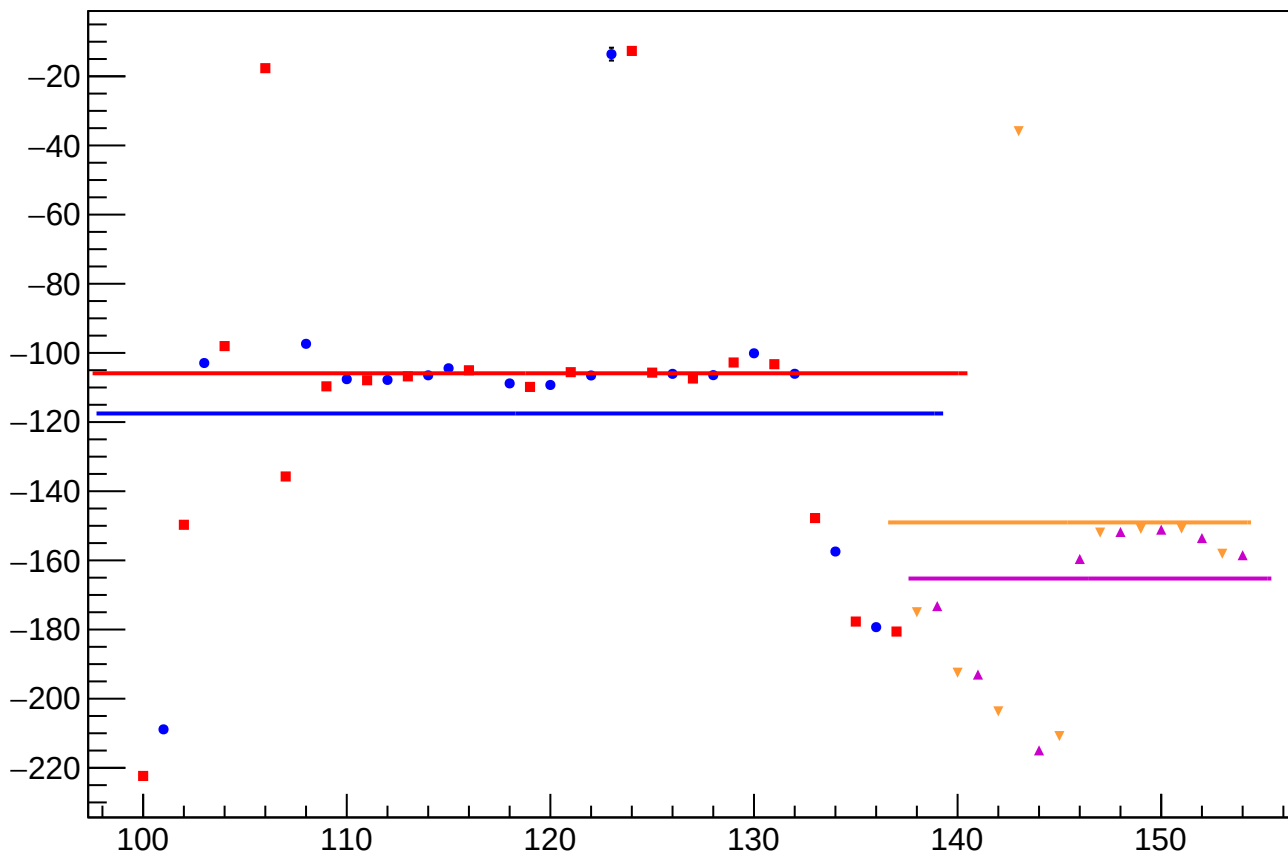
Right: 39.611 ± 0.881 $\chi^2/\text{NDF}: 1055.4/35$

In: 46.742 ± 0.999 $\chi^2/\text{NDF}: 759.2/24$

Out: 41.419 ± 0.962 $\chi^2/\text{NDF}: 833.2/27$

All: 43.980 ± 0.693 $\chi^2/\text{NDF}: 1607.2/52$

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -117.516+/-0.078 χ^2/NDF : 142016.6/16

Left Out: -149.024+/-0.080 χ^2/NDF : 400914.8/8

Right Out: -105.892+/-0.073 χ^2/NDF : 324304.4/18

Left In: -165.252+/-0.082 χ^2/NDF : 54490.8/7

Left: -156.951+/-0.057 χ^2/NDF : 475576.9/16

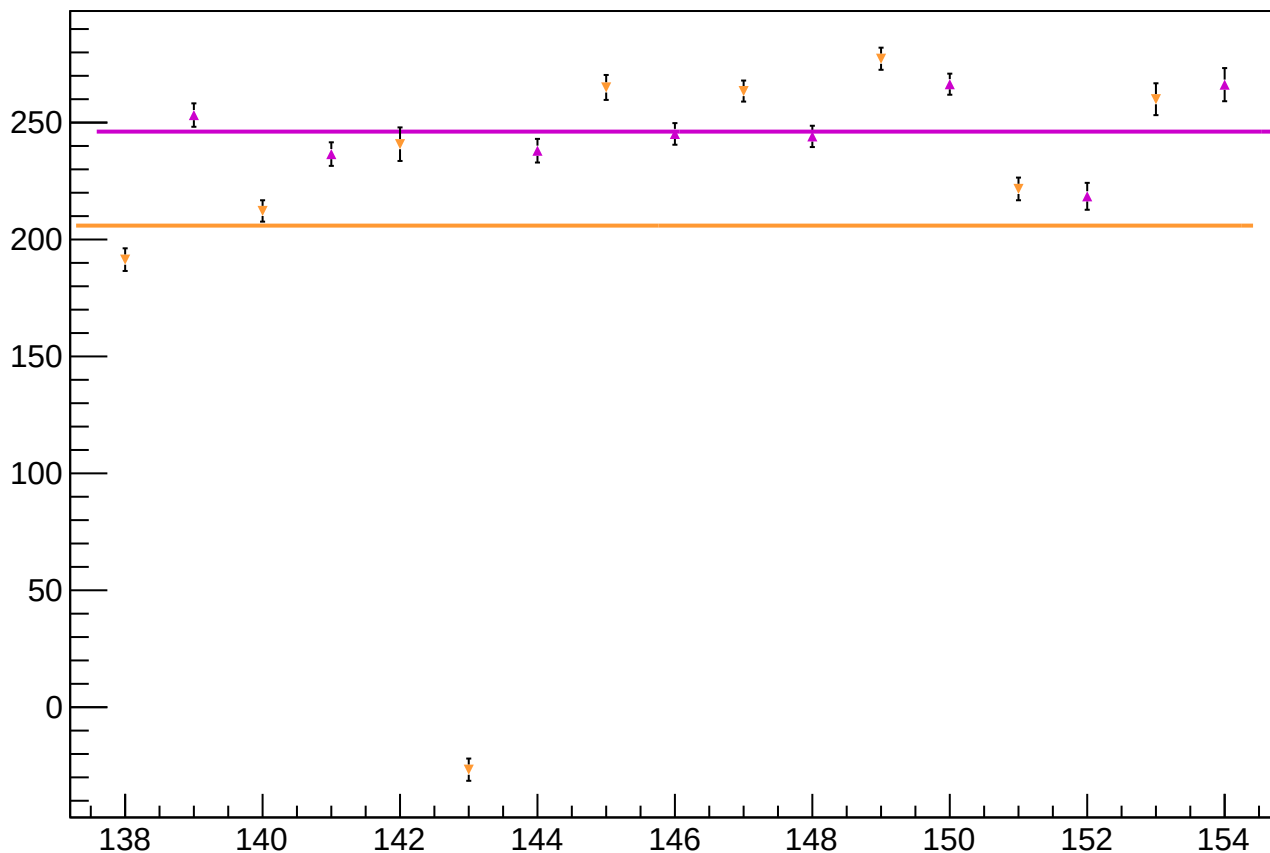
Right: -111.303+/-0.053 χ^2/NDF : 478188.8/35

In: -140.274+/-0.056 χ^2/NDF : 375061.4/24

Out: -125.467+/-0.054 χ^2/NDF : 884527.0/27

All: -132.518+/-0.039 χ^2/NDF : 1295658.4/52

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: 205.946+/-1.697 χ^2/NDF :3016.0/8

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

Left In: 246.141+/-1.789 χ^2/NDF :59.9/7

Left: 224.982+/-1.231 χ^2/NDF : 3341.6/16

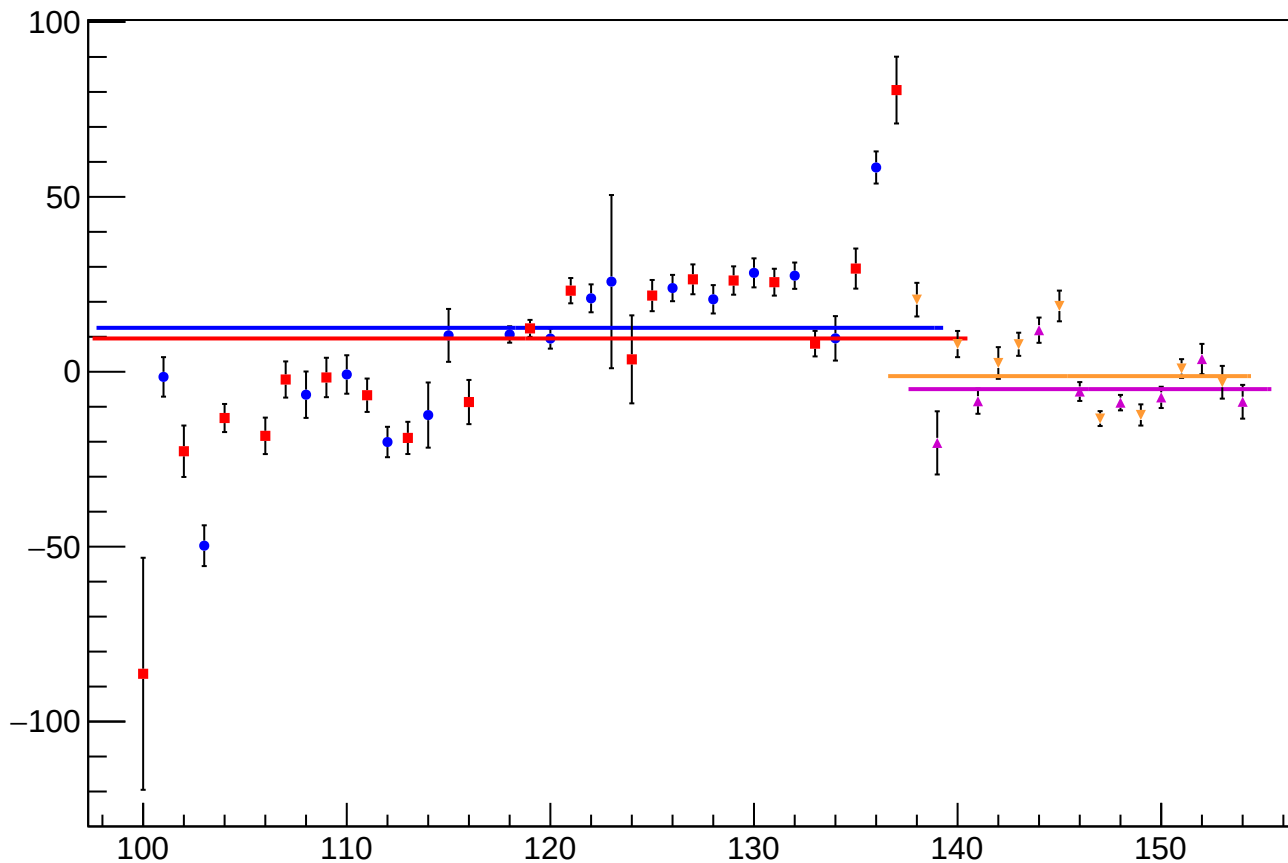
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 246.141+/-1.789 χ^2/NDF :59.9/7

Out: 205.946+/-1.697 χ^2/NDF :3016.0/8

All: 224.982+/-1.231 χ^2/NDF : 3341.6/16

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.561 ± 1.056 $\chi^2/\text{NDF}: 347.7/16$

Left Out: -1.245 ± 1.104 $\chi^2/\text{NDF}: 102.4/8$

Right Out: 9.519 ± 1.051 $\chi^2/\text{NDF}: 296.2/18$

Left In: -4.961 ± 1.184 $\chi^2/\text{NDF}: 33.9/7$

Left: -2.973 ± 0.807 $\chi^2/\text{NDF}: 141.5/16$

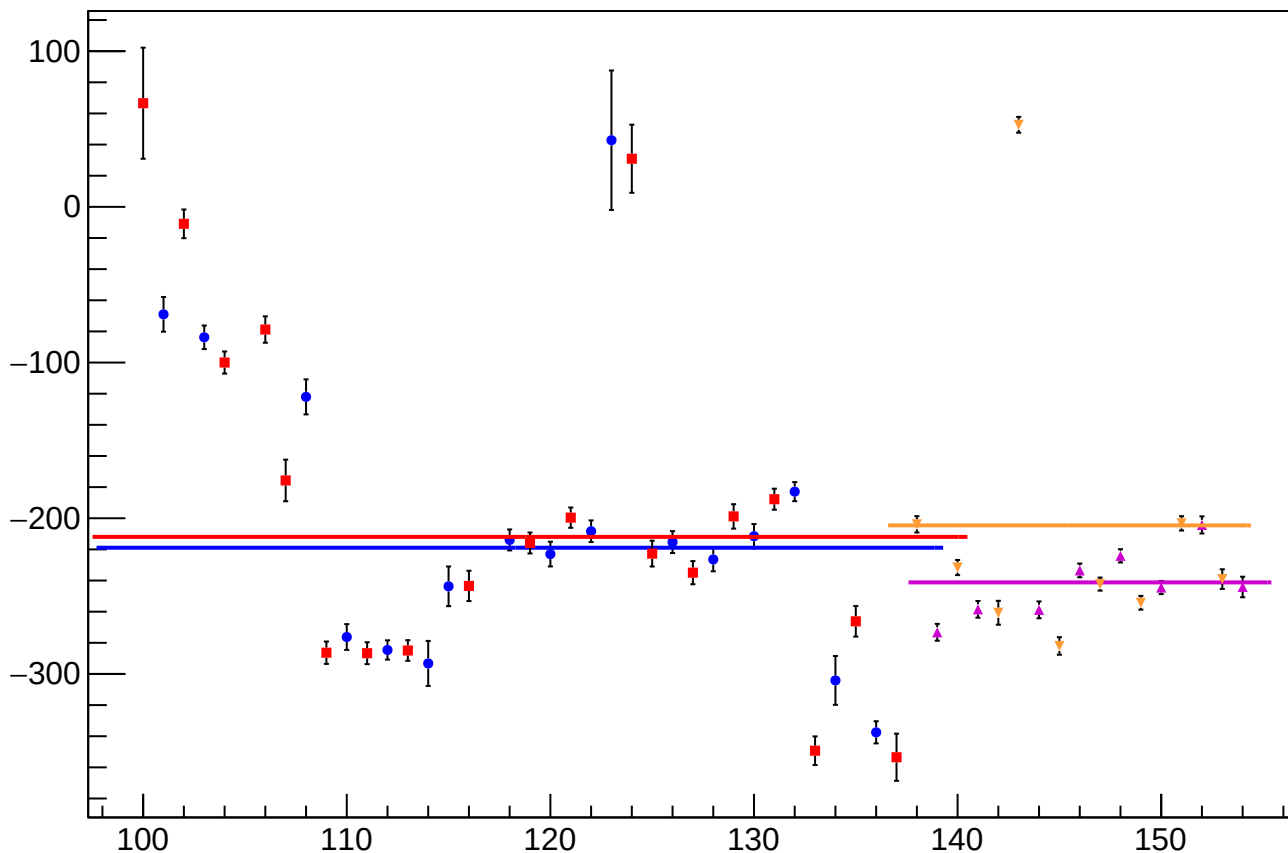
Right: 11.033 ± 0.745 $\chi^2/\text{NDF}: 648.2/35$

In: 4.803 ± 0.788 $\chi^2/\text{NDF}: 503.6/24$

Out: 4.404 ± 0.761 $\chi^2/\text{NDF}: 448.6/27$

All: 4.596 ± 0.547 $\chi^2/\text{NDF}: 952.3/52$

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -218.925 ± 2.006 χ^2/NDF : 1146.6/16

Left Out: -204.581 ± 1.702 χ^2/NDF : 3079.8/8

Right Out: -211.968 ± 1.924 χ^2/NDF : 1886.2/18

Left In: -241.197 ± 1.764 χ^2/NDF : 120.6/7

Left: -222.226 ± 1.225 χ^2/NDF : 3423.5/16

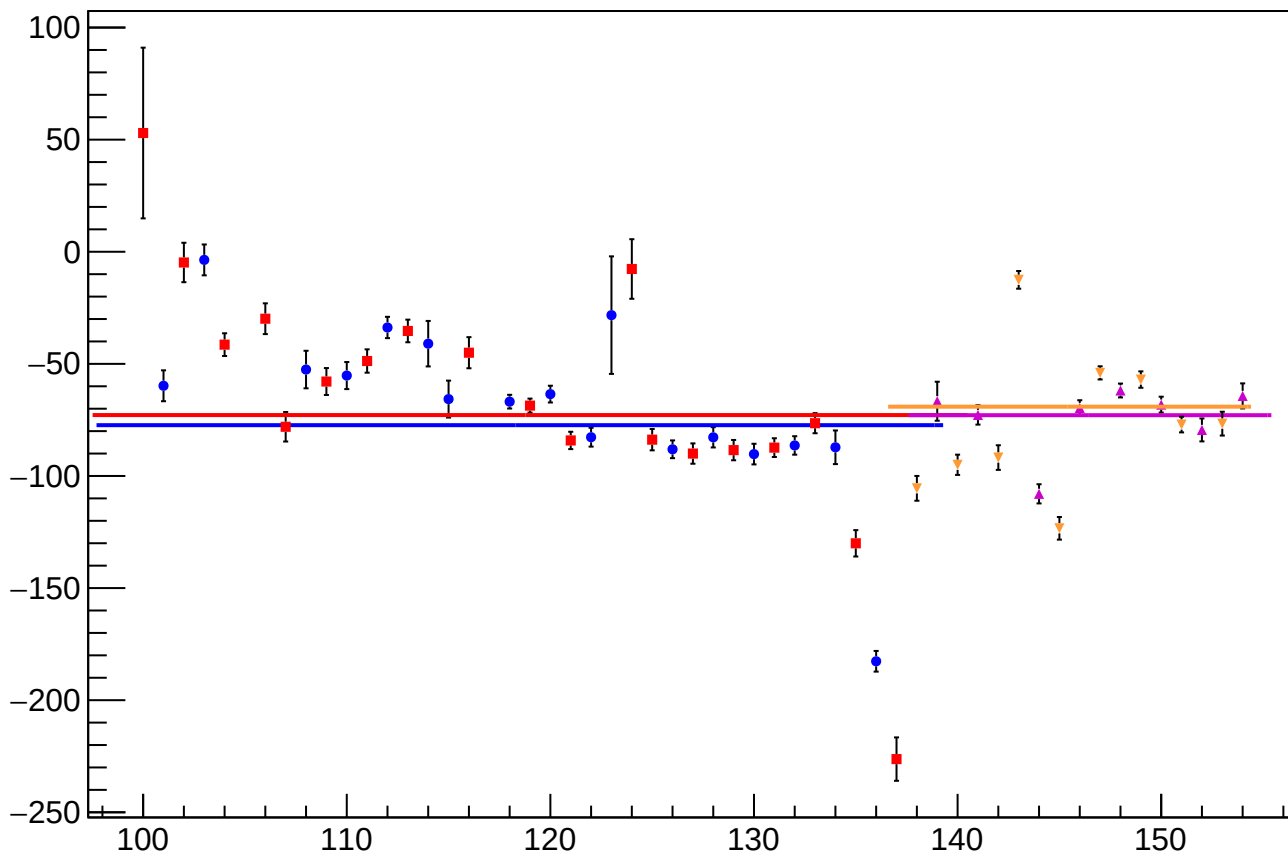
Right: -215.302 ± 1.389 χ^2/NDF : 3039.1/35

In: -231.482 ± 1.325 χ^2/NDF : 1336.8/24

Out: -207.822 ± 1.275 χ^2/NDF : 4974.2/27

All: -219.196 ± 0.919 χ^2/NDF : 6476.6/52

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -77.342 ± 1.219 $\chi^2/\text{NDF}: 817.2/16$

Left Out: -69.095 ± 1.379 $\chi^2/\text{NDF}: 458.2/8$

Right Out: -72.836 ± 1.209 $\chi^2/\text{NDF}: 672.9/18$

Left In: -72.896 ± 1.474 $\chi^2/\text{NDF}: 87.1/7$

Left: -70.869 ± 1.007 $\chi^2/\text{NDF}: 548.9/16$

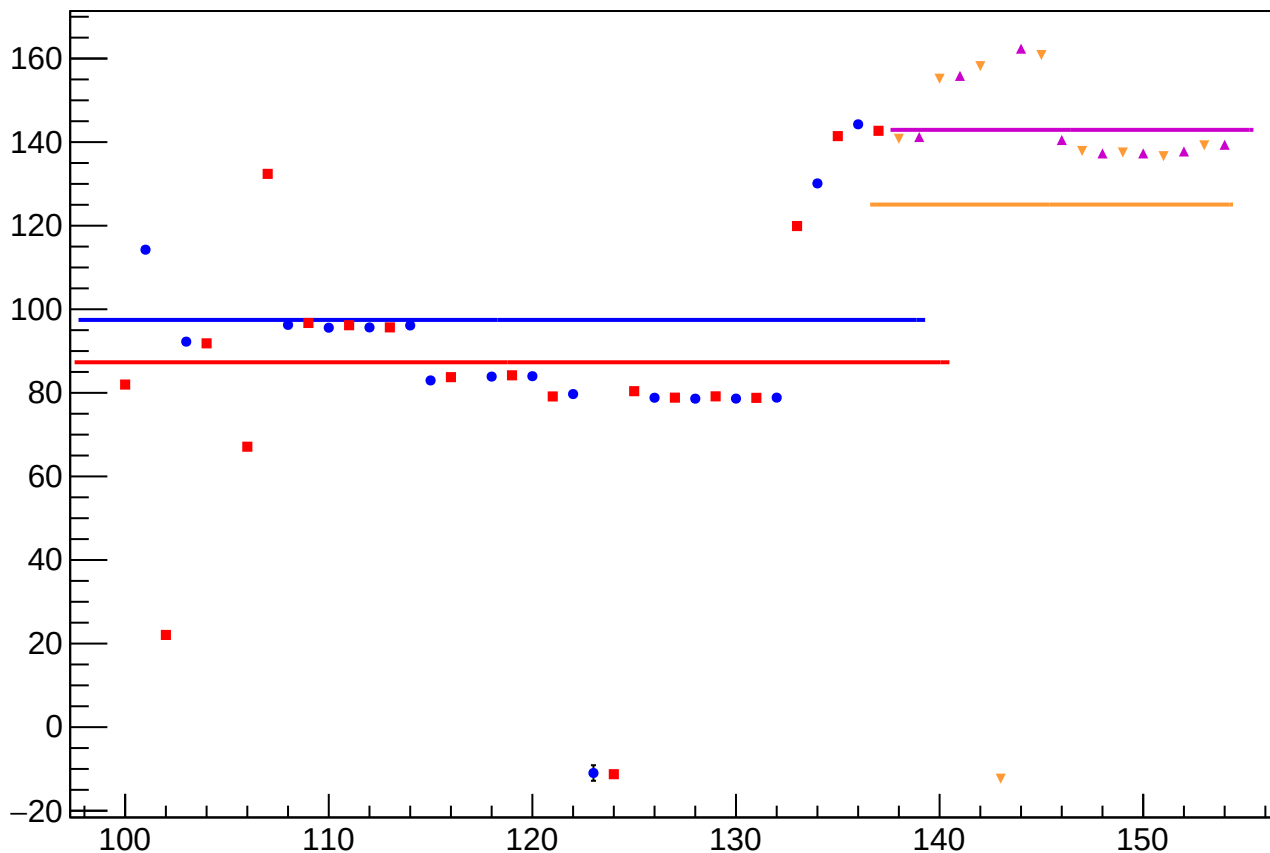
Right: -75.069 ± 0.858 $\chi^2/\text{NDF}: 1497.0/35$

In: -75.535 ± 0.939 $\chi^2/\text{NDF}: 909.8/24$

Out: -71.210 ± 0.909 $\chi^2/\text{NDF}: 1135.2/27$

All: -73.301 ± 0.653 $\chi^2/\text{NDF}: 2056.0/52$

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 97.452+/-0.073 χ^2/NDF : 94476.4/16

Left Out: 125.055+/-0.071 χ^2/NDF : 536569.3/8

Right Out: 87.315+/-0.068 χ^2/NDF : 221837.7/18

Left In: 142.933+/-0.072 χ^2/NDF : 13252.1/7

Left: 133.844+/-0.051 χ^2/NDF : 580812.9/16

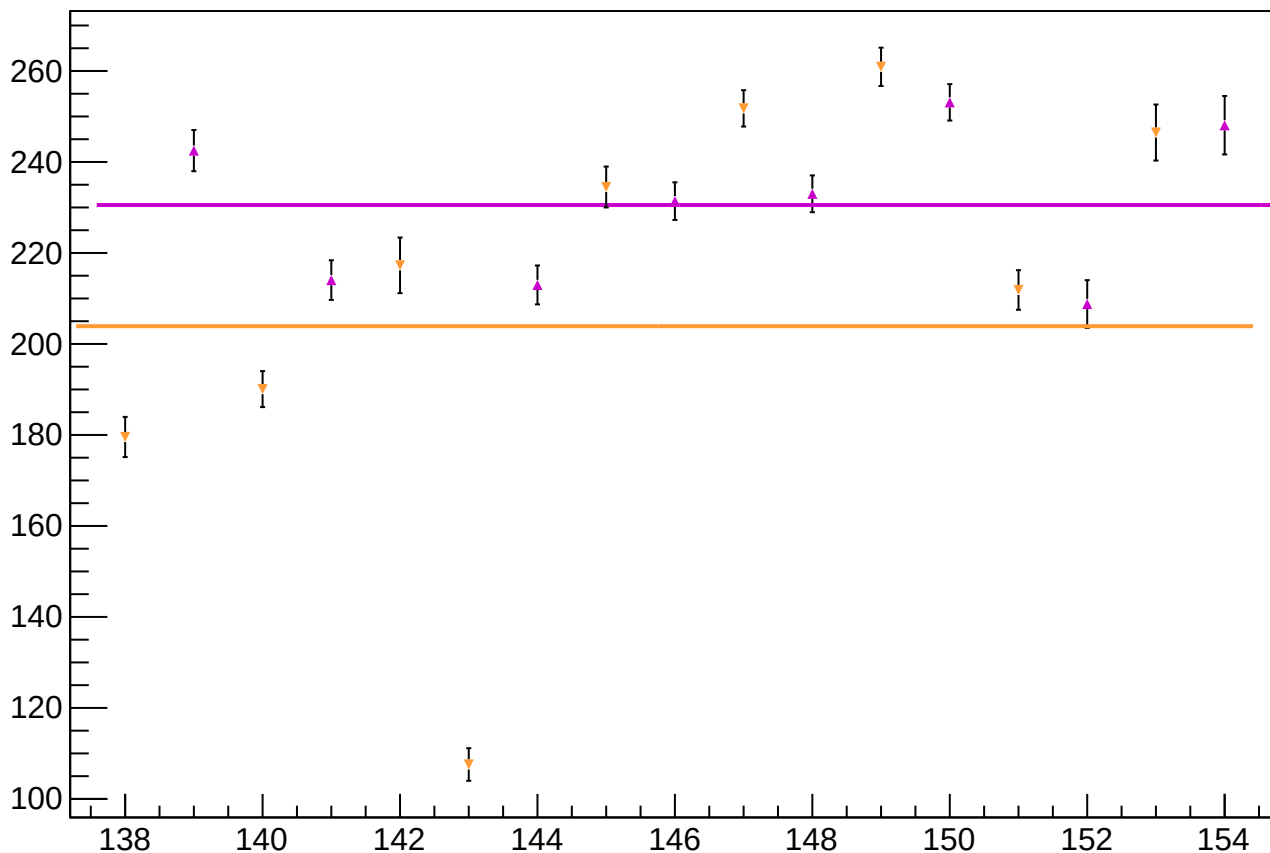
Right: 92.024+/-0.050 χ^2/NDF : 326563.7/35

In: 120.460+/-0.052 χ^2/NDF : 302676.6/24

Out: 105.383+/-0.049 χ^2/NDF : 904838.5/27

All: 112.588+/-0.036 χ^2/NDF : 1252262.1/52

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: 203.906+/-1.462 χ^2/NDF :1193.9/8

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

Left In: 230.535+/-1.583 χ^2/NDF :95.2/7

Left: 216.167+/-1.074 χ^2/NDF : 1441.7/16

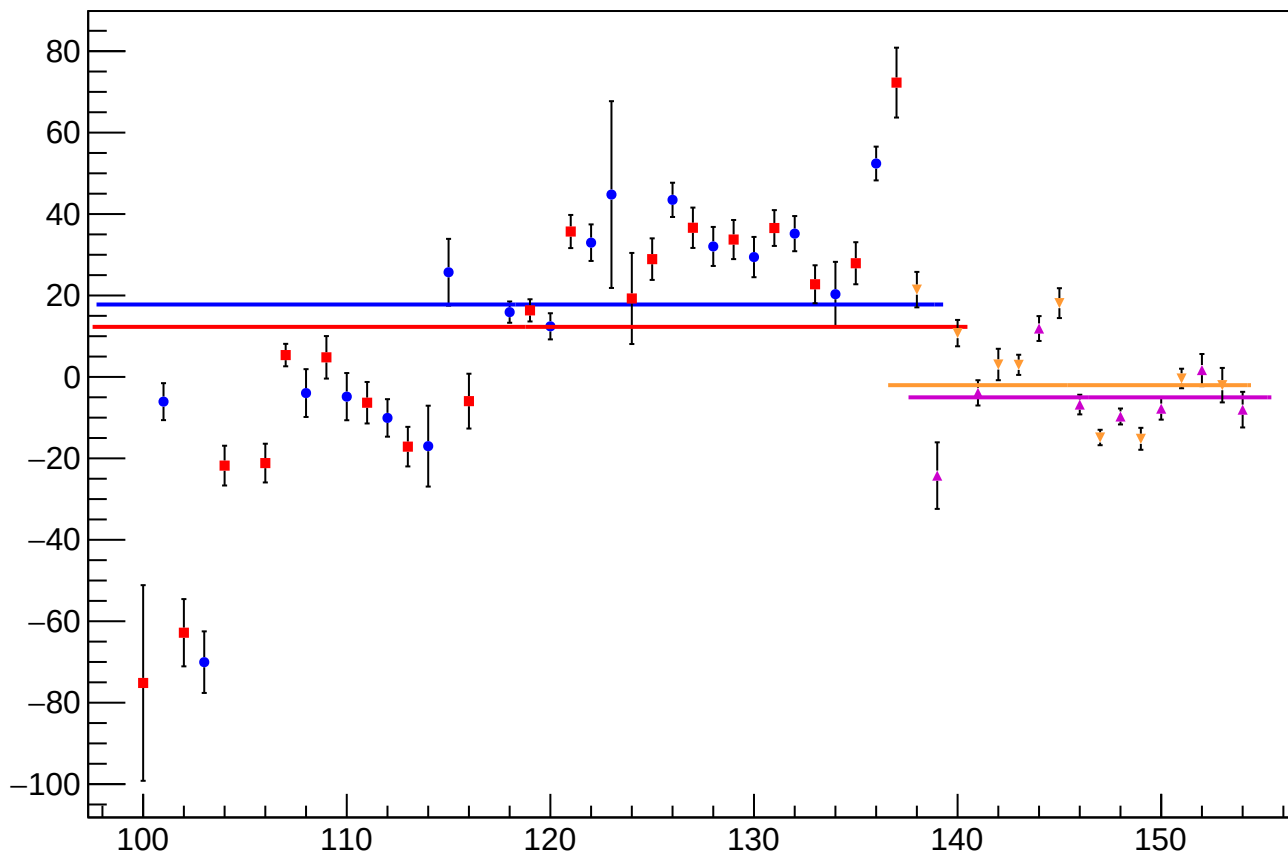
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 230.535+/-1.583 χ^2/NDF :95.2/7

Out: 203.906+/-1.462 χ^2/NDF :1193.9/8

All: 216.167+/-1.074 χ^2/NDF : 1441.7/16

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.786 ± 1.146 $\chi^2/\text{NDF}: 395.1/16$

Left Out: -2.024 ± 0.954 $\chi^2/\text{NDF}: 151.0/8$

Right Out: 12.294 ± 1.086 $\chi^2/\text{NDF}: 443.7/18$

Left In: -5.013 ± 1.047 $\chi^2/\text{NDF}: 47.0/7$

Left: -3.380 ± 0.705 $\chi^2/\text{NDF}: 202.5/16$

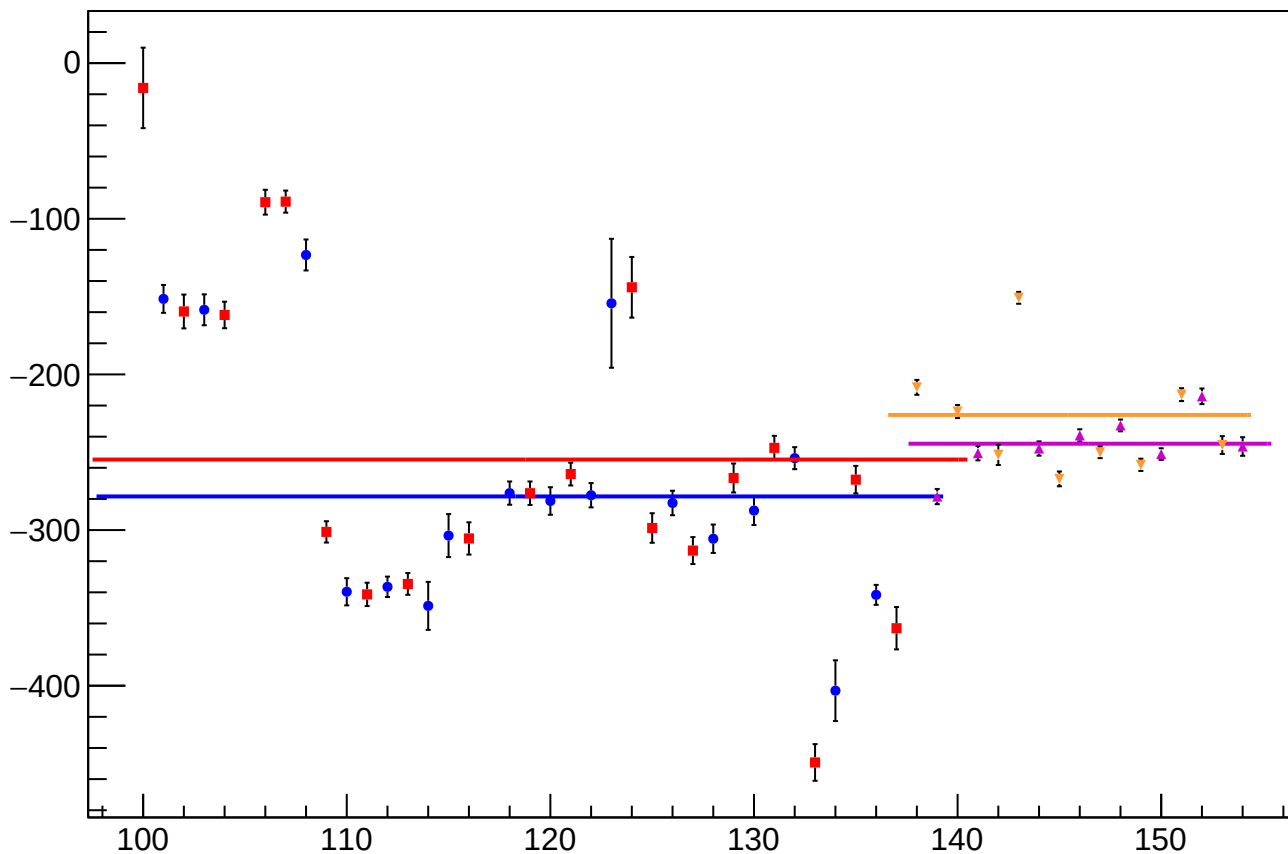
Right: 14.891 ± 0.788 $\chi^2/\text{NDF}: 850.9/35$

In: 5.352 ± 0.773 $\chi^2/\text{NDF}: 657.9/24$

Out: 4.211 ± 0.717 $\chi^2/\text{NDF}: 692.9/27$

All: 4.739 ± 0.526 $\chi^2/\text{NDF}: 1351.9/52$

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -278.393 ± 2.168 $\chi^2/\text{NDF}: 910.5/16$

Left Out: -226.035 ± 1.473 $\chi^2/\text{NDF}: 619.7/8$

Right Out: -254.703 ± 2.020 $\chi^2/\text{NDF}: 2038.5/18$

Left In: -244.518 ± 1.564 $\chi^2/\text{NDF}: 101.8/7$

Left: -234.723 ± 1.072 $\chi^2/\text{NDF}: 795.5/16$

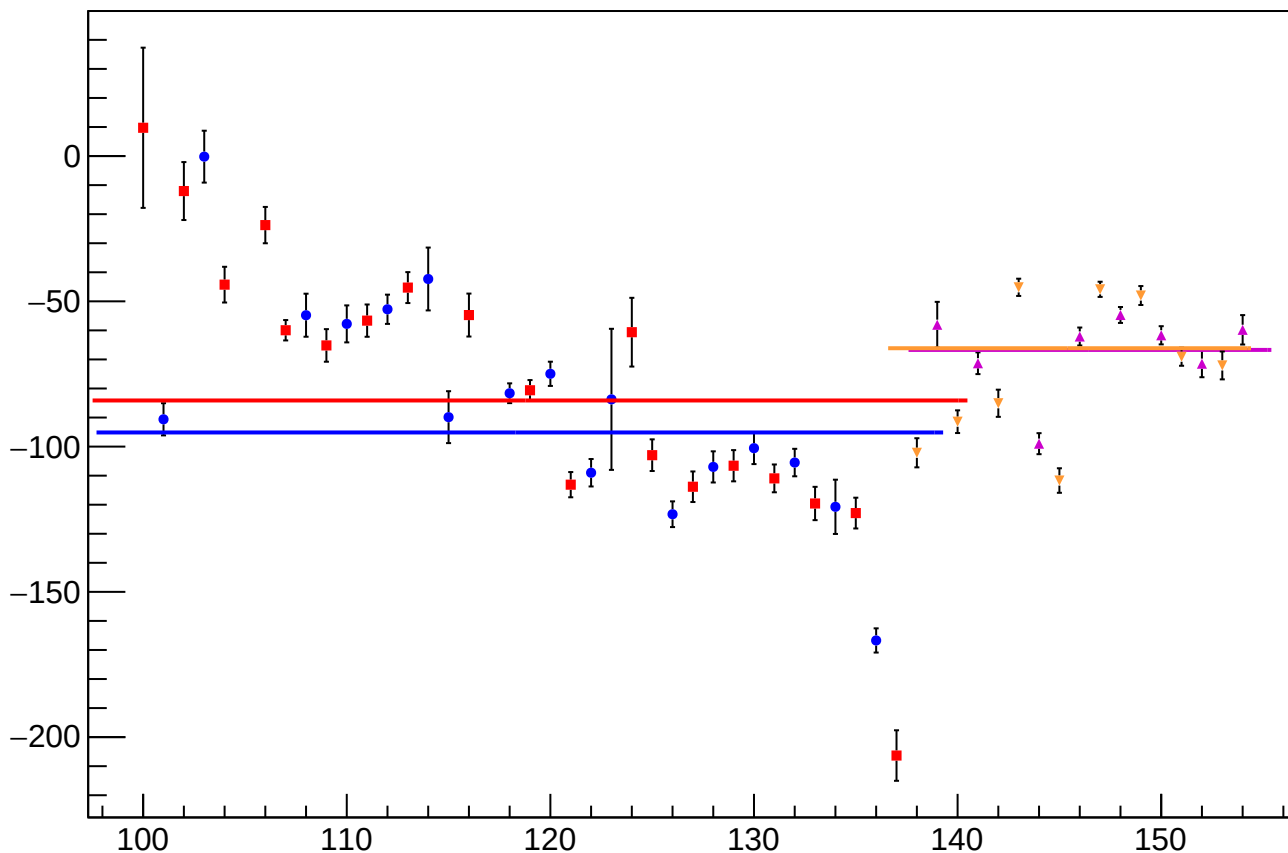
Right: -265.715 ± 1.478 $\chi^2/\text{NDF}: 3013.0/35$

In: -256.114 ± 1.268 $\chi^2/\text{NDF}: 1173.0/24$

Out: -235.984 ± 1.190 $\chi^2/\text{NDF}: 2789.7/27$

All: -245.410 ± 0.868 $\chi^2/\text{NDF}: 4096.6/52$

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -95.135 ± 1.322 χ^2/NDF : 674.9/16

Left Out: -66.143 ± 1.189 χ^2/NDF : 369.7/8

Right Out: -84.124 ± 1.259 χ^2/NDF : 782.9/18

Left In: -66.722 ± 1.303 χ^2/NDF : 109.2/7

Left: -66.406 ± 0.878 χ^2/NDF : 479.1/16

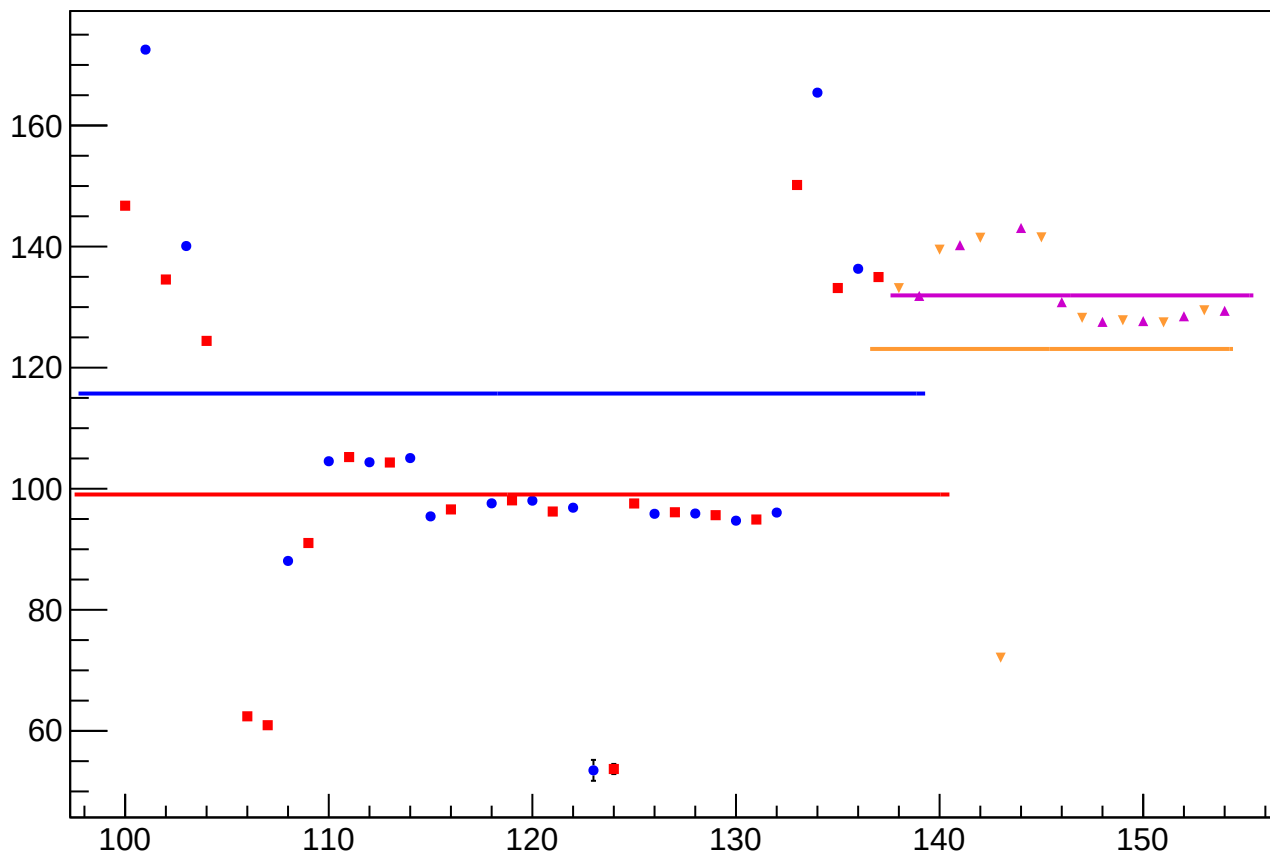
Right: -89.357 ± 0.912 χ^2/NDF : 1494.2/35

In: -80.712 ± 0.928 χ^2/NDF : 1018.5/24

Out: -74.621 ± 0.864 χ^2/NDF : 1260.4/27

All: -77.451 ± 0.632 χ^2/NDF : 2302.0/52

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 115.724 $\pm$ 0.078 χ^2 /NDF: 106388.1/16

Left Out: 123.090 $\pm$ 0.062 χ^2 /NDF:138980.7/8

Right Out: 99.049 $\pm$ 0.069 χ^2 /NDF: 173463.3/18

Left In: 131.934 $\pm$ 0.064 χ^2 /NDF:6988.2/7

Left: 127.320 $\pm$ 0.044 χ^2 /NDF: 155840.1/16

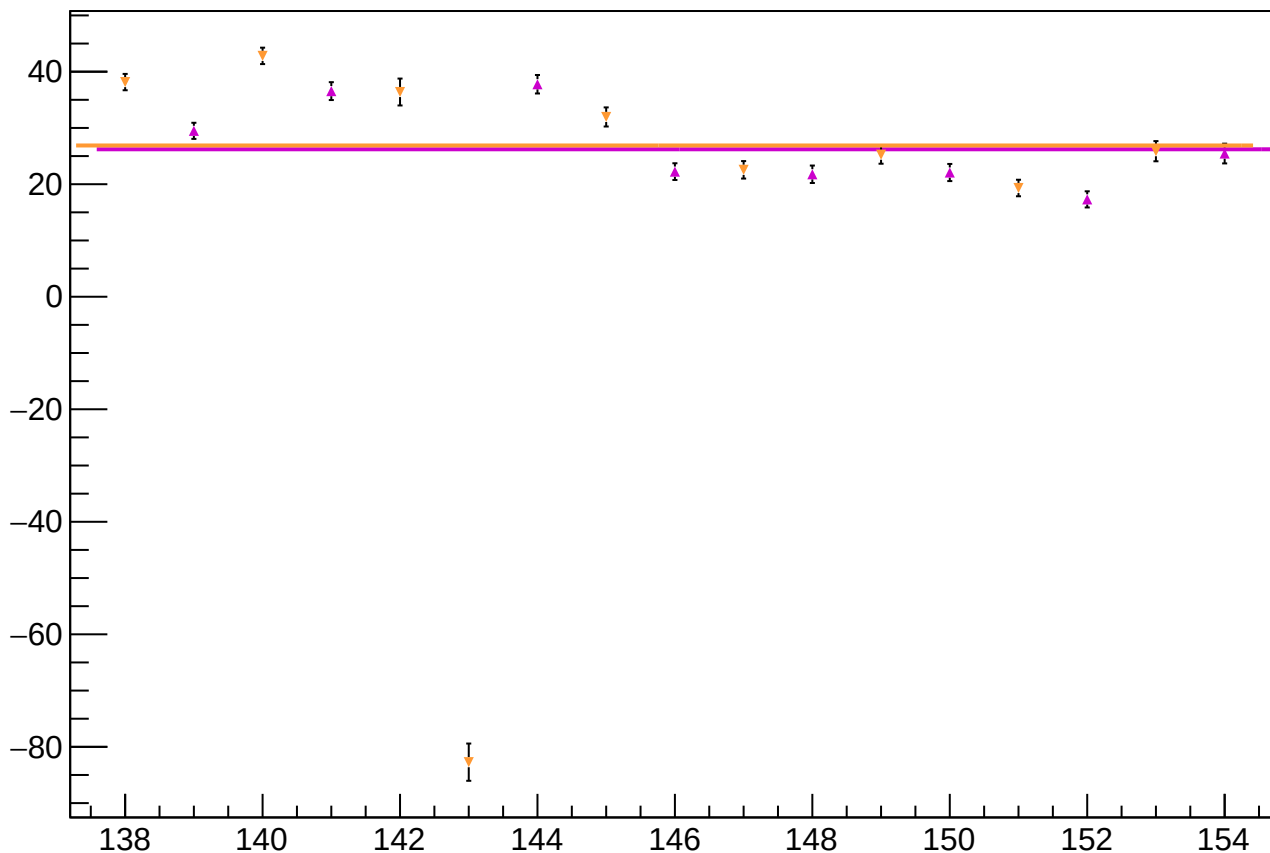
Right: 106.312 $\pm$ 0.051 χ^2 /NDF: 305658.4/35

In: 125.374 $\pm$ 0.050 χ^2 /NDF:139101.3/24

Out: 112.351 $\pm$ 0.046 χ^2 /NDF:380589.3/27

All: 118.342 $\pm$ 0.034 χ^2 /NDF: 556906.3/52

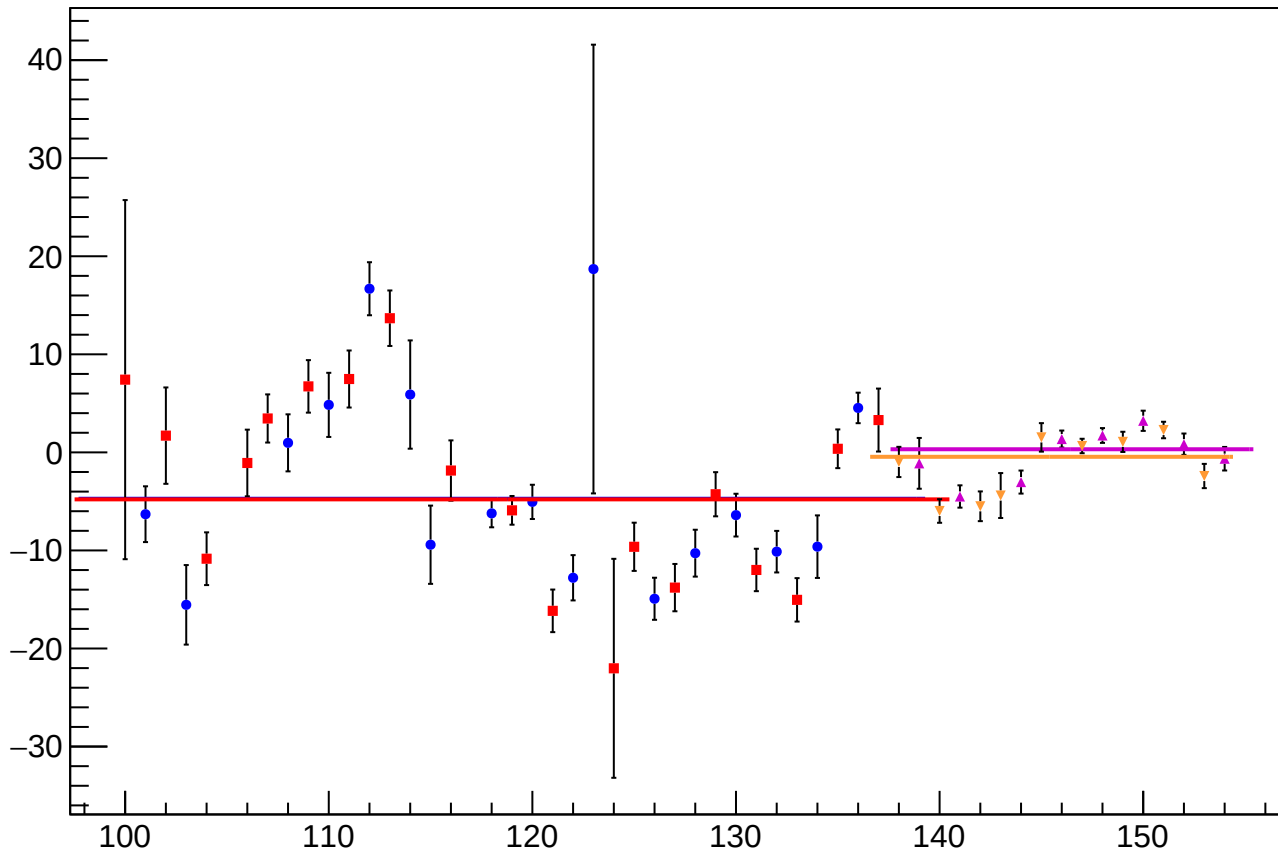
reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 26.885+/-0.565 χ^2/NDF :1335.9/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 26.207+/-0.545 χ^2/NDF :158.5/7

Left: 26.534+/-0.392 χ^2/NDF : 1495.1/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 26.207+/-0.545 χ^2/NDF :158.5/7
 Out: 26.885+/-0.565 χ^2/NDF :1335.9/8
 All: 26.534+/-0.392 χ^2/NDF : 1495.1/16

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.730 ± 0.580 χ^2/NDF : 174.8/16

Left Out: -0.451 ± 0.376 χ^2/NDF : 54.6/8

Right Out: -4.793 ± 0.586 χ^2/NDF : 193.5/18

Left In: 0.318 ± 0.372 χ^2/NDF : 40.1/7

Left: -0.062 ± 0.265 χ^2/NDF : 96.8/16

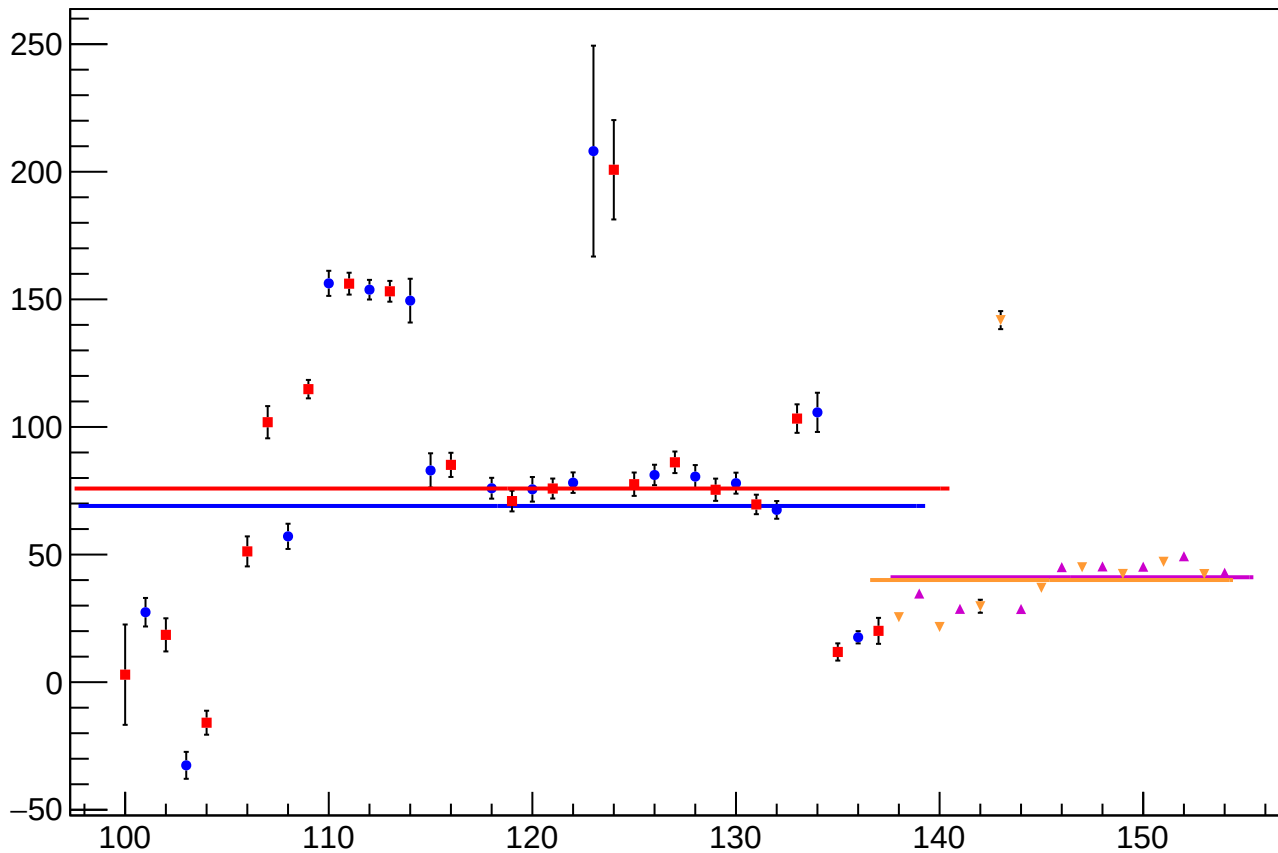
Right: -4.761 ± 0.412 χ^2/NDF : 368.3/35

In: -1.156 ± 0.313 χ^2/NDF : 268.6/24

Out: -1.720 ± 0.317 χ^2/NDF : 286.9/27

All: -1.435 ± 0.223 χ^2/NDF : 557.2/52

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 69.048 $\pm$ 1.077 χ^2 /NDF: 1847.9/16

Left Out: 40.028 $\pm$ 0.563 χ^2 /NDF:1117.6/8

Right Out: 75.878 $\pm$ 1.069 χ^2 /NDF: 1895.0/18

Left In: 41.115 $\pm$ 0.538 χ^2 /NDF:182.6/7

Left: 40.596 $\pm$ 0.389 χ^2 /NDF: 1302.2/16

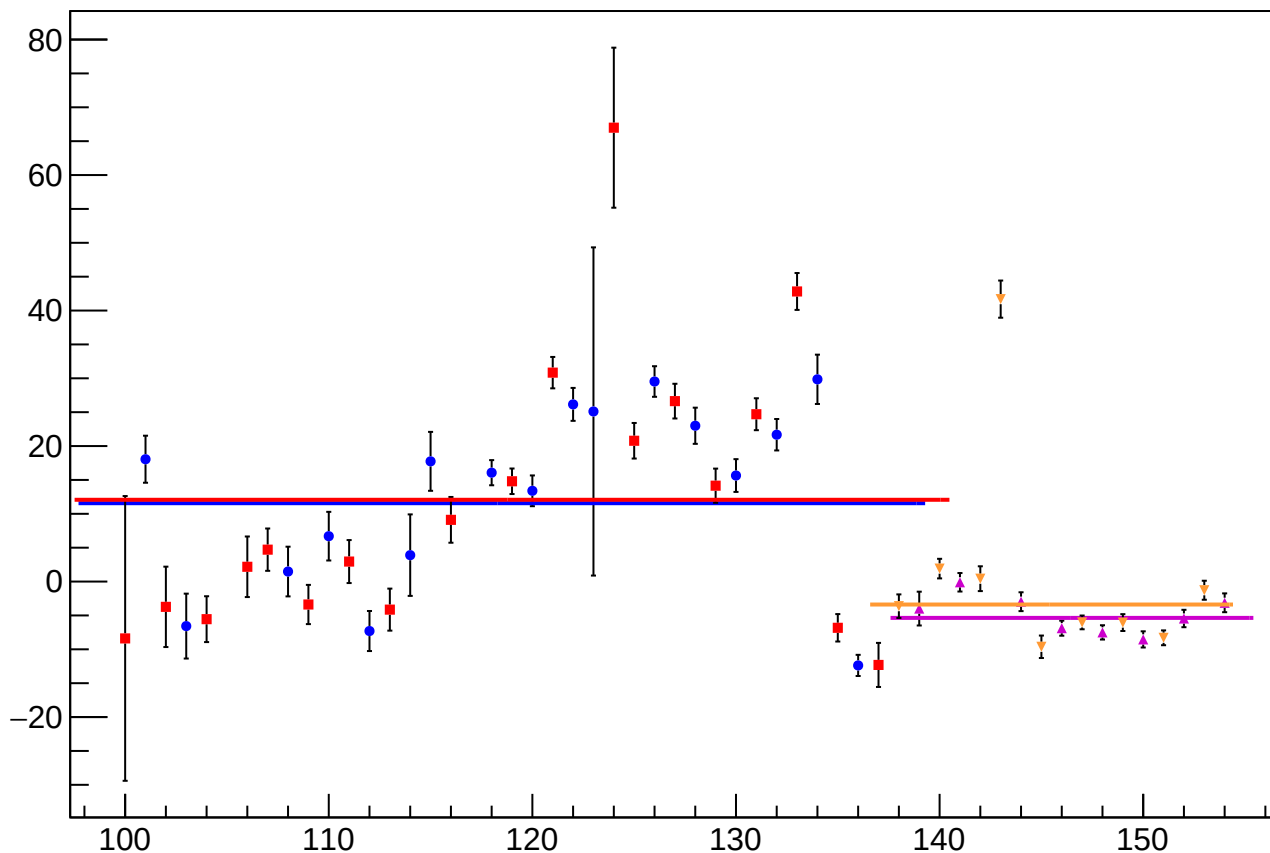
Right: 72.486 $\pm$ 0.759 χ^2 /NDF: 3763.1/35

In: 46.694 $\pm$ 0.481 χ^2 /NDF:2569.1/24

Out: 47.806 $\pm$ 0.498 χ^2 /NDF:3892.5/27

All: 47.231 $\pm$ 0.346 χ^2 /NDF: 6464.2/52

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.565 $\pm$ 0.658 χ^2 /NDF: 478.2/16

Left Out: -3.388 $\pm$ 0.468 χ^2 /NDF:335.8/8

Right Out: 12.071 $\pm$ 0.665 χ^2 /NDF: 543.3/18

Left In: -5.362 $\pm$ 0.459 χ^2 /NDF:33.7/7

Left: -4.395 $\pm$ 0.328 χ^2 /NDF: 378.6/16

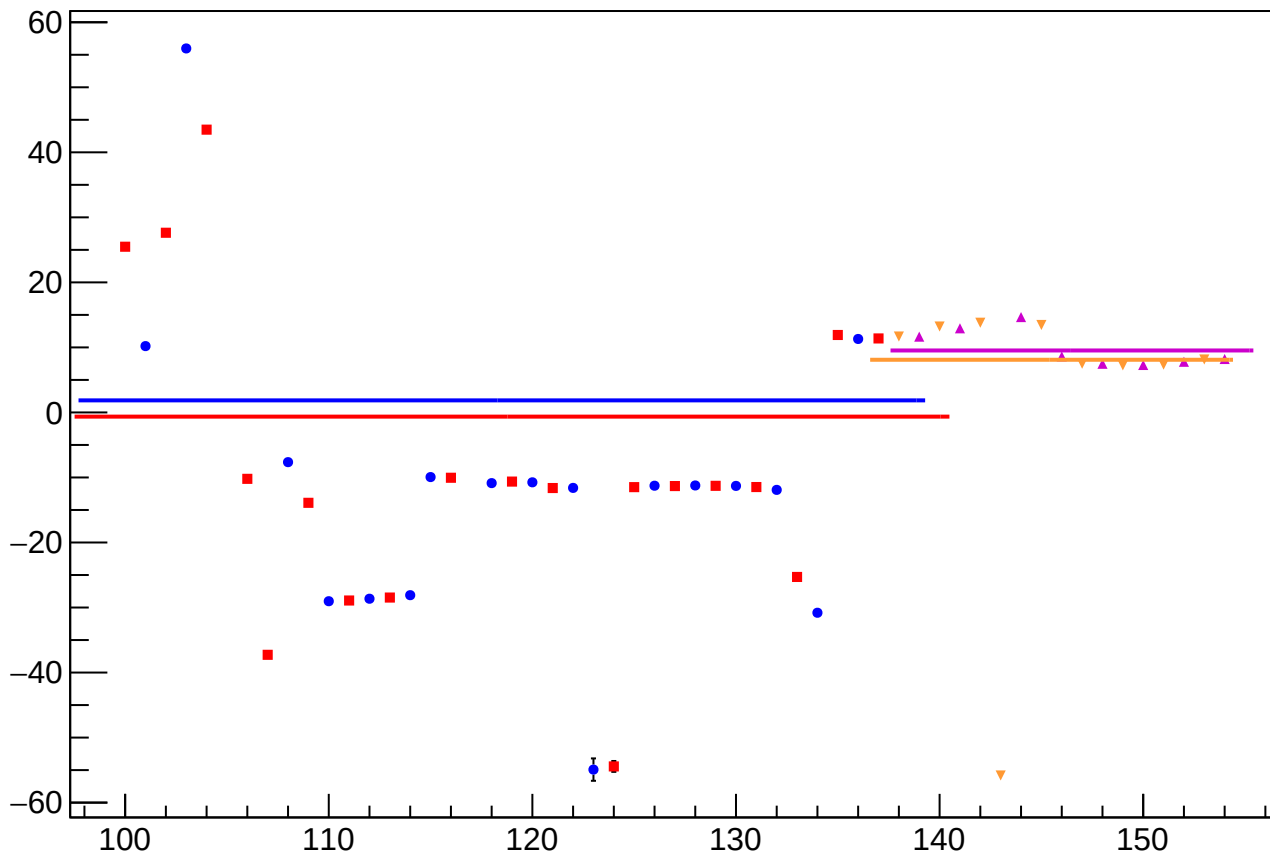
Right: 11.816 $\pm$ 0.468 χ^2 /NDF: 1021.8/35

In: 0.171 $\pm$ 0.376 χ^2 /NDF:957.1/24

Out: 1.737 $\pm$ 0.383 χ^2 /NDF:1240.9/27

All: 0.941 $\pm$ 0.268 χ^2 /NDF: 2206.5/52

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.855 ± 0.037 $\chi^2/\text{NDF}: 359414.1/16$

Left Out: 8.099 ± 0.023 $\chi^2/\text{NDF}: 222423.0/8$

Right Out: -0.644 ± 0.037 $\chi^2/\text{NDF}: 361625.7/18$

Left In: 9.530 ± 0.022 $\chi^2/\text{NDF}: 12643.2/7$

Left: 8.863 ± 0.016 $\chi^2/\text{NDF}: 237080.7/16$

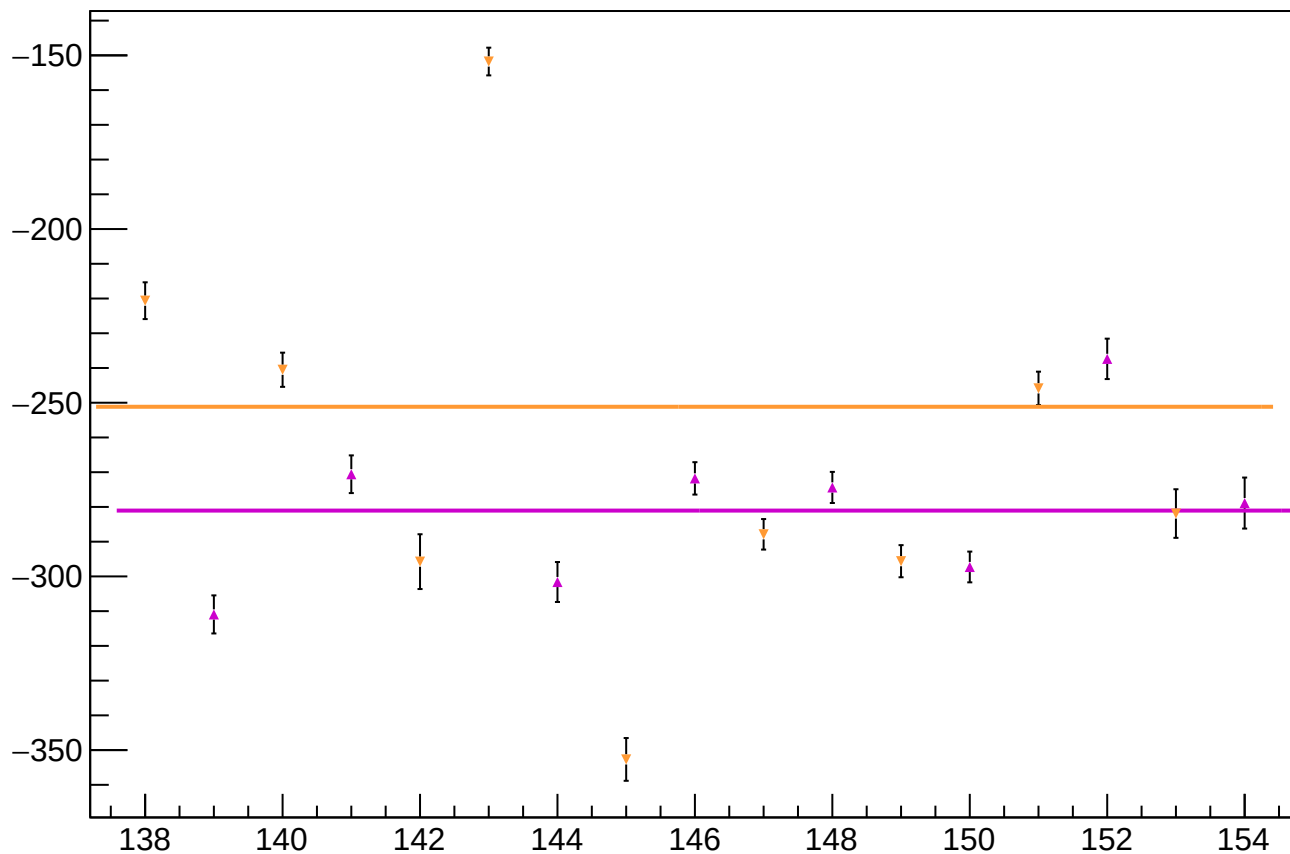
Right: 0.608 ± 0.026 $\chi^2/\text{NDF}: 723318.4/35$

In: 7.559 ± 0.019 $\chi^2/\text{NDF}: 404033.2/24$

Out: 5.622 ± 0.020 $\chi^2/\text{NDF}: 623955.7/27$

All: 6.639 ± 0.014 $\chi^2/\text{NDF}: 1033054.6/52$

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: -251.162+/-1.704 χ^2/NDF :1145.3/8

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

Left In: -281.049+/-1.849 χ^2/NDF :122.3/7

Left: -264.884+/-1.253 χ^2/NDF : 1408.9/16

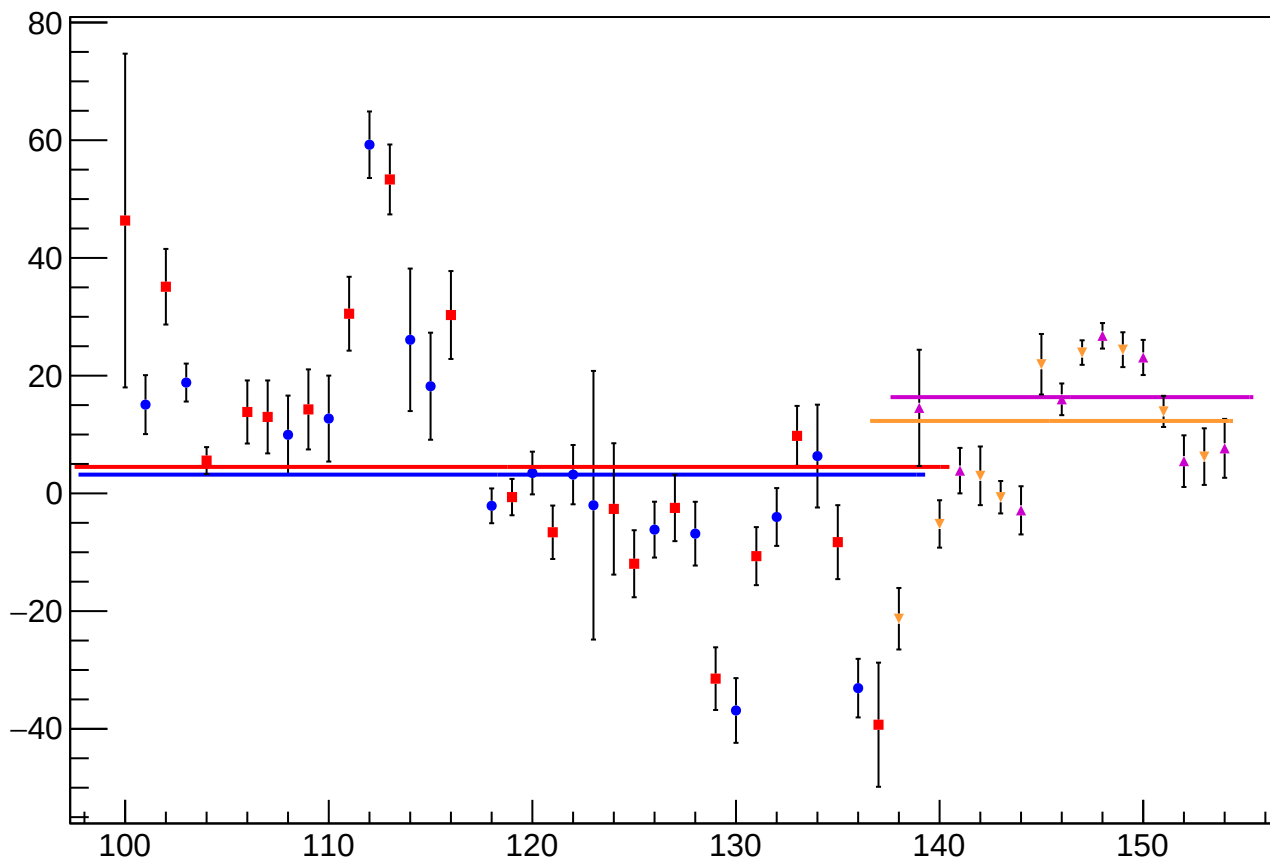
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -281.049+/-1.849 χ^2/NDF :122.3/7

Out: -251.162+/-1.704 χ^2/NDF :1145.3/8

All: -264.884+/-1.253 χ^2/NDF : 1408.9/16

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.188 ± 1.225 χ^2/NDF : 255.6/16

Left Out: 12.308 ± 1.092 χ^2/NDF : 139.2/8

Right Out: 4.497 ± 1.160 χ^2/NDF : 225.4/18

Left In: 16.354 ± 1.203 χ^2/NDF : 69.9/7

Left: 14.136 ± 0.808 χ^2/NDF : 215.3/16

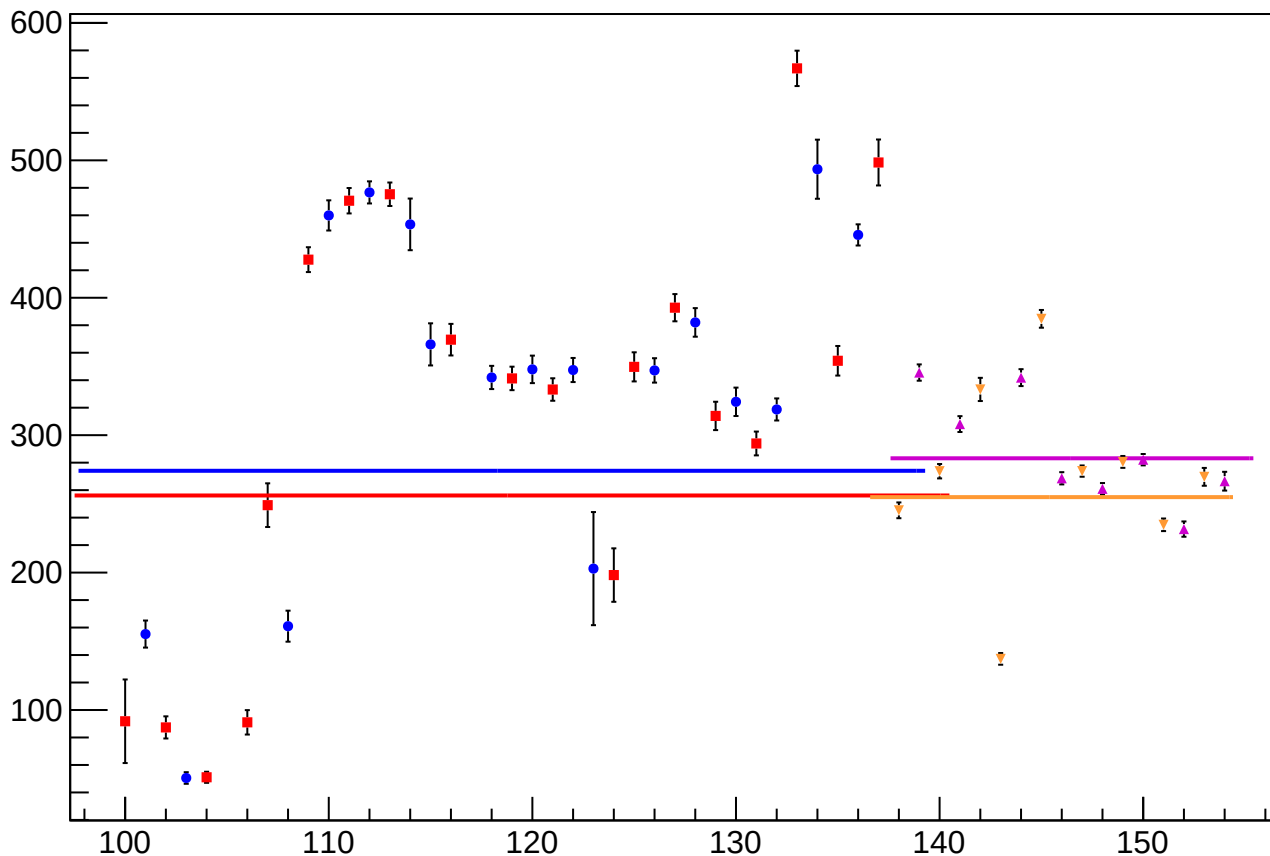
Right: 3.879 ± 0.842 χ^2/NDF : 481.7/35

In: 9.894 ± 0.858 χ^2/NDF : 384.3/24

Out: 8.639 ± 0.795 χ^2/NDF : 388.7/27

All: 9.218 ± 0.583 χ^2/NDF : 774.2/52

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 274.079+/-2.191 χ^2/NDF : 5112.0/16

Left Out: 254.916+/-1.704 χ^2/NDF :1350.8/8

Right Out: 256.109+/-2.080 χ^2/NDF : 6444.1/18

Left In: 283.172+/-1.814 χ^2/NDF :350.4/7

Left: 268.167+/-1.242 χ^2/NDF : 1830.1/16

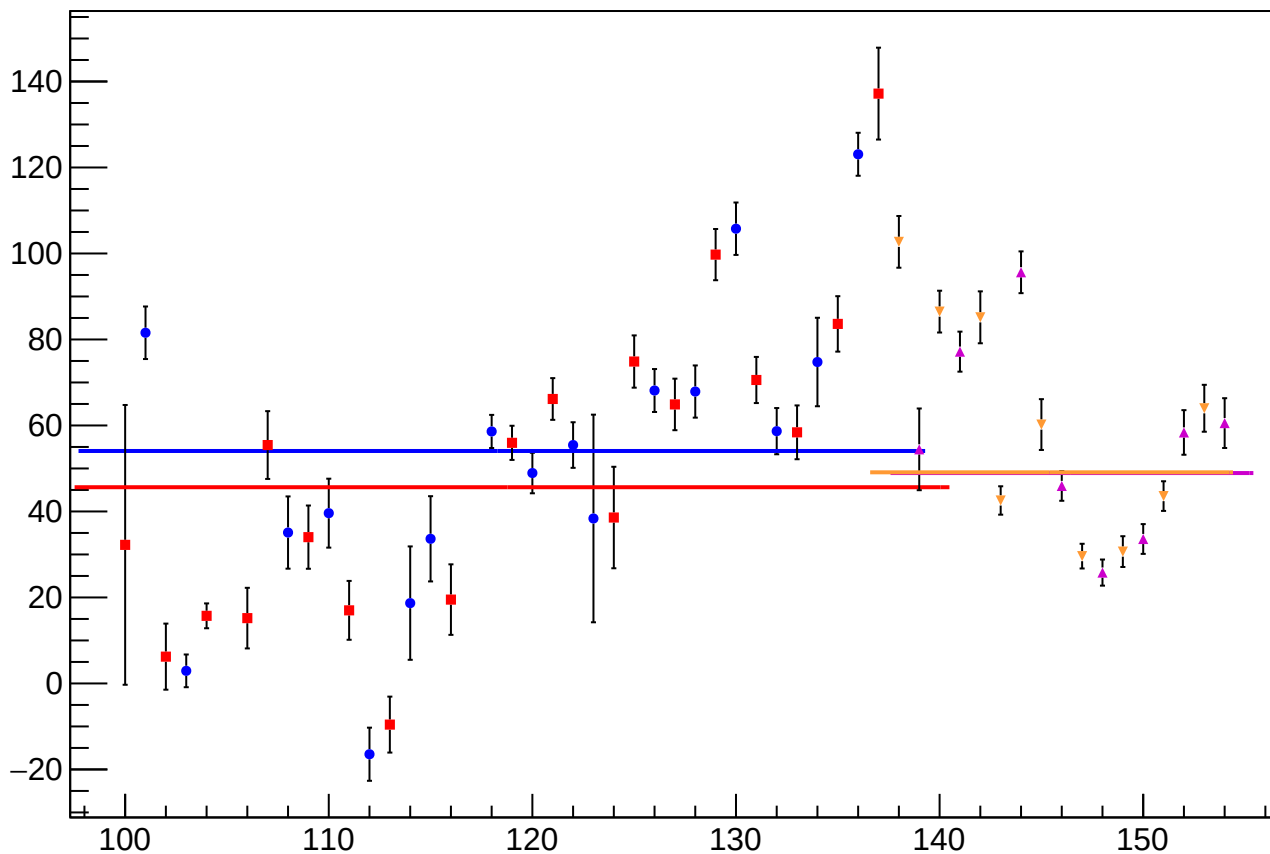
Right: 264.628+/-1.509 χ^2/NDF : 11591.4/35

In: 279.475+/-1.397 χ^2/NDF :5472.5/24

Out: 255.395+/-1.318 χ^2/NDF :7795.1/27

All: 266.738+/-0.959 χ^2/NDF : 13424.8/52

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 54.065 $\pm$ 1.421 χ^2 /NDF: 634.4/16

Left Out: 49.103 $\pm$ 1.367 χ^2 /NDF:264.3/8

Right Out: 45.637 $\pm$ 1.359 χ^2 /NDF: 530.8/18

Left In: 48.933 $\pm$ 1.503 χ^2 /NDF:215.3/7

Left: 49.026 $\pm$ 1.012 χ^2 /NDF: 479.6/16

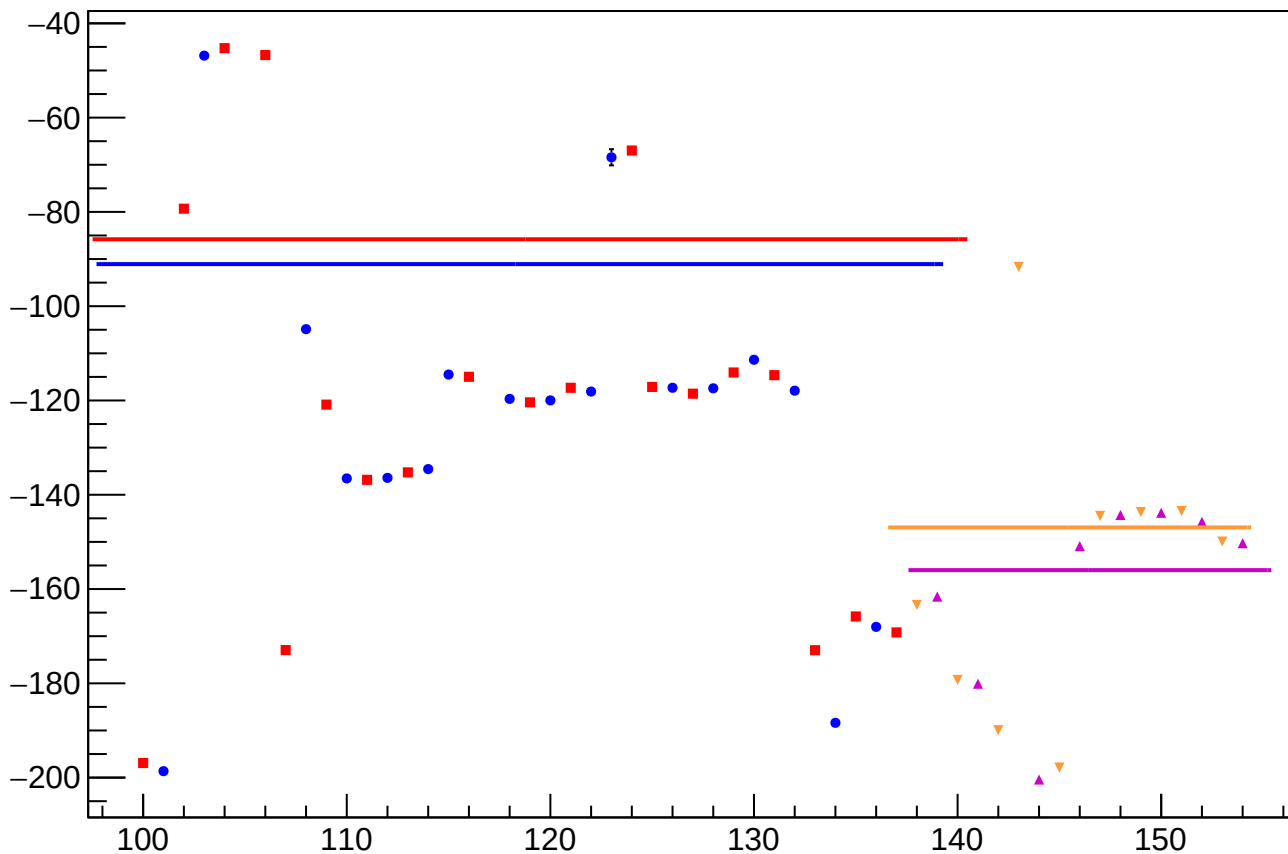
Right: 49.665 $\pm$ 0.982 χ^2 /NDF: 1183.6/35

In: 51.644 $\pm$ 1.033 χ^2 /NDF:855.9/24

Out: 47.360 $\pm$ 0.964 χ^2 /NDF:798.3/27

All: 49.355 $\pm$ 0.705 χ^2 /NDF: 1663.4/52

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -91.074 ± 0.068 $\chi^2/\text{NDF}: 534647.5/16$

Left Out: -146.927 ± 0.072 $\chi^2/\text{NDF}: 186662.7/8$

Right Out: -85.803 ± 0.065 $\chi^2/\text{NDF}: 495895.1/18$

Left In: -155.985 ± 0.075 $\chi^2/\text{NDF}: 50854.3/7$

Left: -151.260 ± 0.052 $\chi^2/\text{NDF}: 245190.5/16$

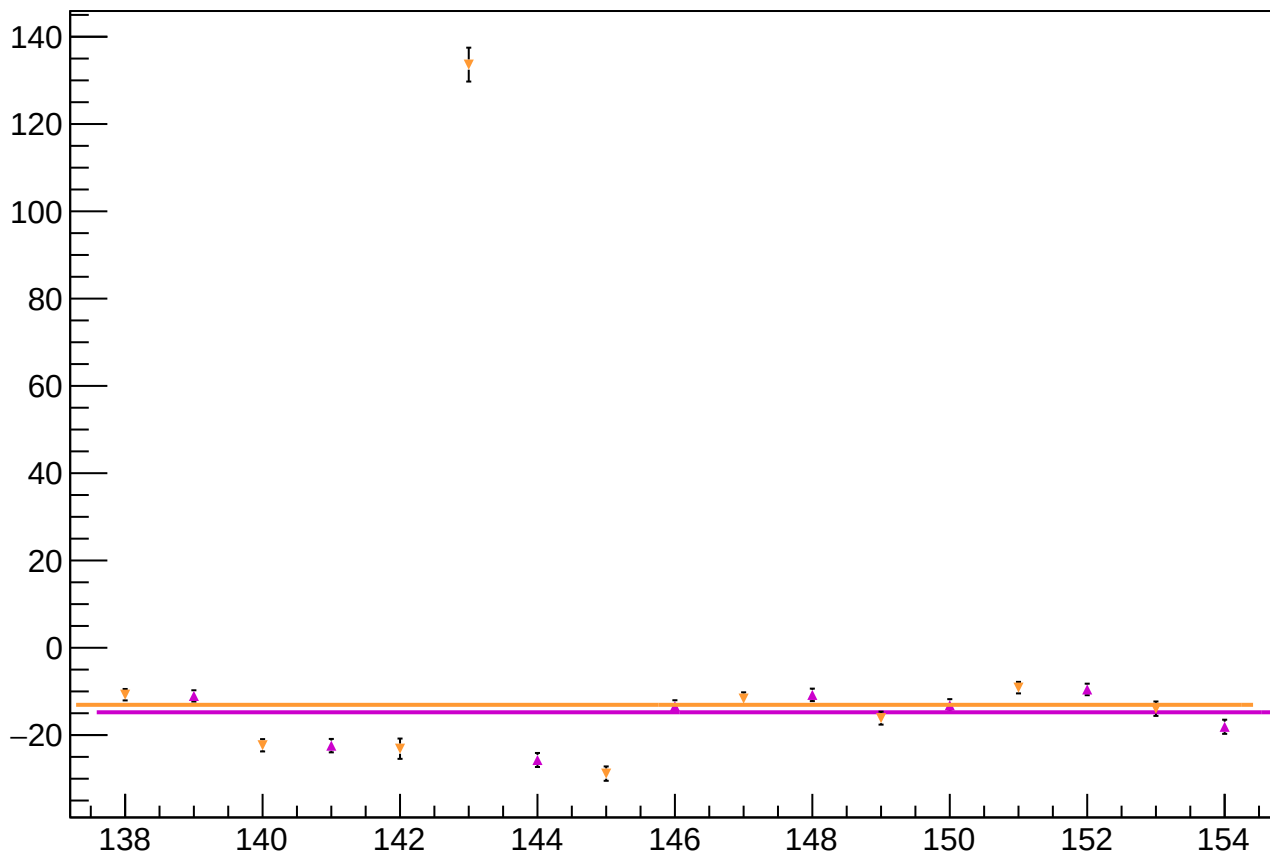
Right: -88.339 ± 0.047 $\chi^2/\text{NDF}: 1033703.0/35$

In: -120.271 ± 0.050 $\chi^2/\text{NDF}: 1001108.3/24$

Out: -113.470 ± 0.048 $\chi^2/\text{NDF}: 1082321.0/27$

All: -116.735 ± 0.035 $\chi^2/\text{NDF}: 2093016.8/52$

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: -13.071+/-0.529 χ^2/NDF :1599.2/8

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

Left In: -14.780+/-0.507 χ^2/NDF :109.2/7

Left: -13.960+/-0.366 χ^2/NDF : 1713.9/16

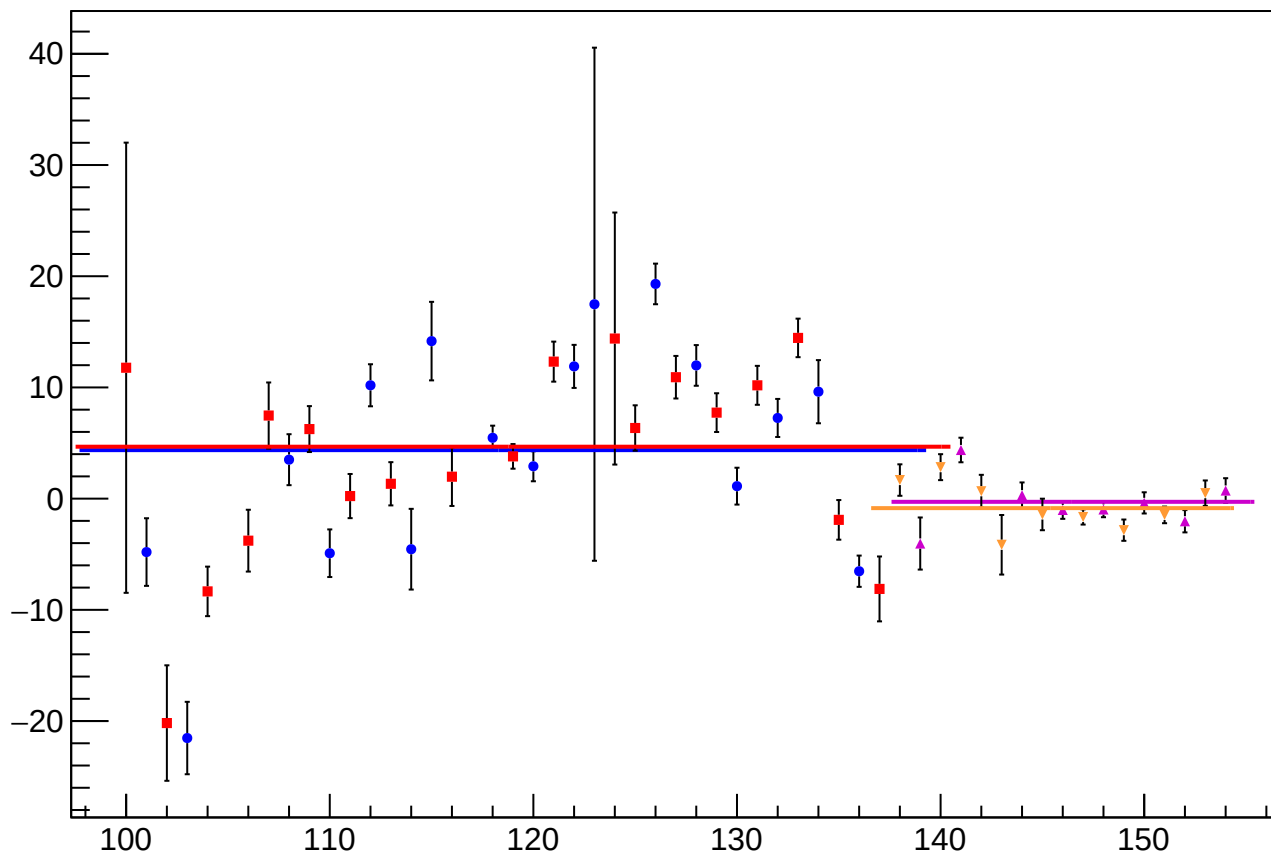
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -14.780+/-0.507 χ^2/NDF :109.2/7

Out: -13.071+/-0.529 χ^2/NDF :1599.2/8

All: -13.960+/-0.366 χ^2/NDF : 1713.9/16

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.361 $\pm$ 0.464 χ^2 /NDF: 286.5/16

Left Out: -0.854 $\pm$ 0.351 χ^2 /NDF: 23.6/8

Right Out: 4.670 $\pm$ 0.474 χ^2 /NDF: 185.4/18

Left In: -0.287 $\pm$ 0.347 χ^2 /NDF: 26.3/7

Left: -0.567 $\pm$ 0.247 χ^2 /NDF: 51.3/16

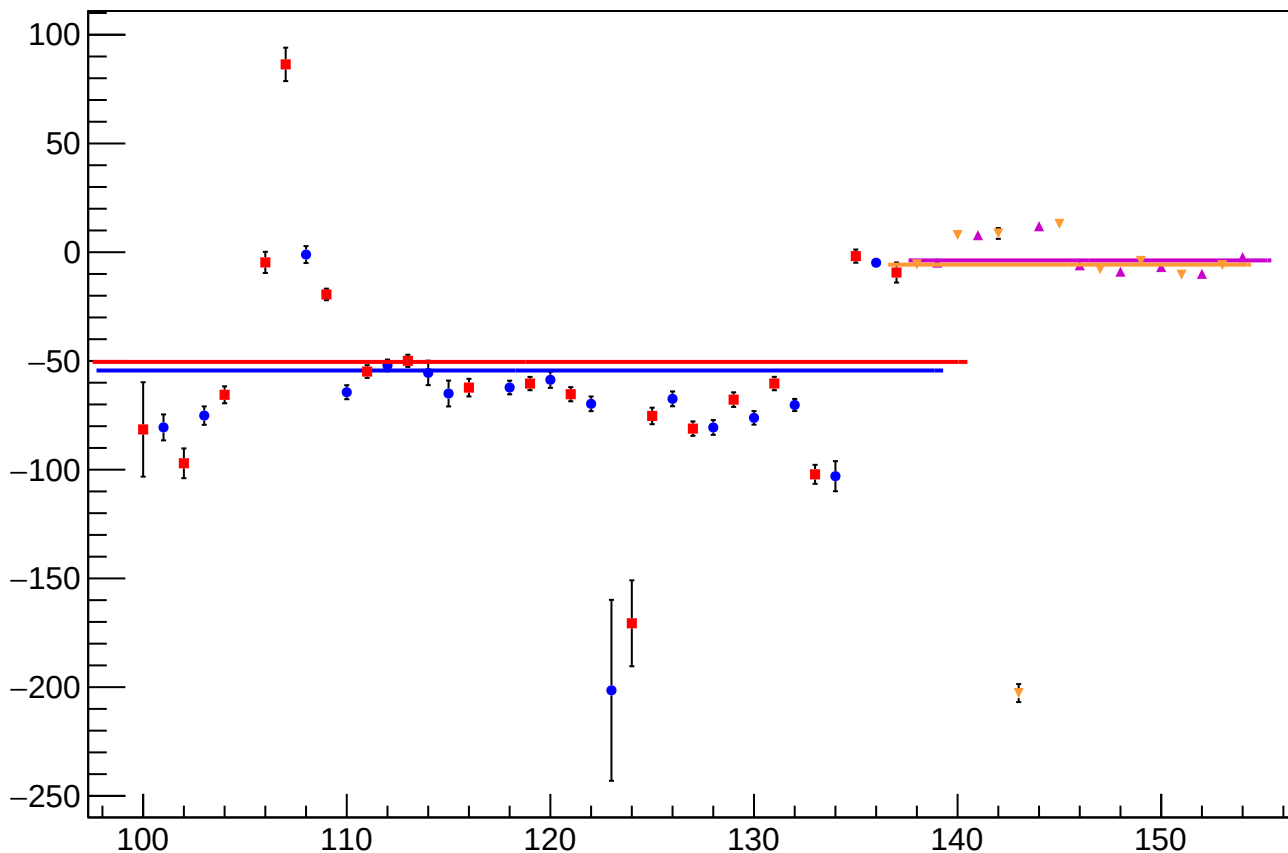
Right: 4.512 $\pm$ 0.332 χ^2 /NDF: 472.1/35

In: 1.380 $\pm$ 0.278 χ^2 /NDF: 377.1/24

Out: 1.100 $\pm$ 0.282 χ^2 /NDF: 296.7/27

All: 1.242 $\pm$ 0.198 χ^2 /NDF: 674.3/52

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -54.392 ± 0.863 $\chi^2/\text{NDF}: 1013.4/16$

Left Out: -5.708 ± 0.526 $\chi^2/\text{NDF}: 2513.8/8$

Right Out: -50.441 ± 0.857 $\chi^2/\text{NDF}: 1324.7/18$

Left In: -3.761 ± 0.500 $\chi^2/\text{NDF}: 182.5/7$

Left: -4.686 ± 0.362 $\chi^2/\text{NDF}: 2703.5/16$

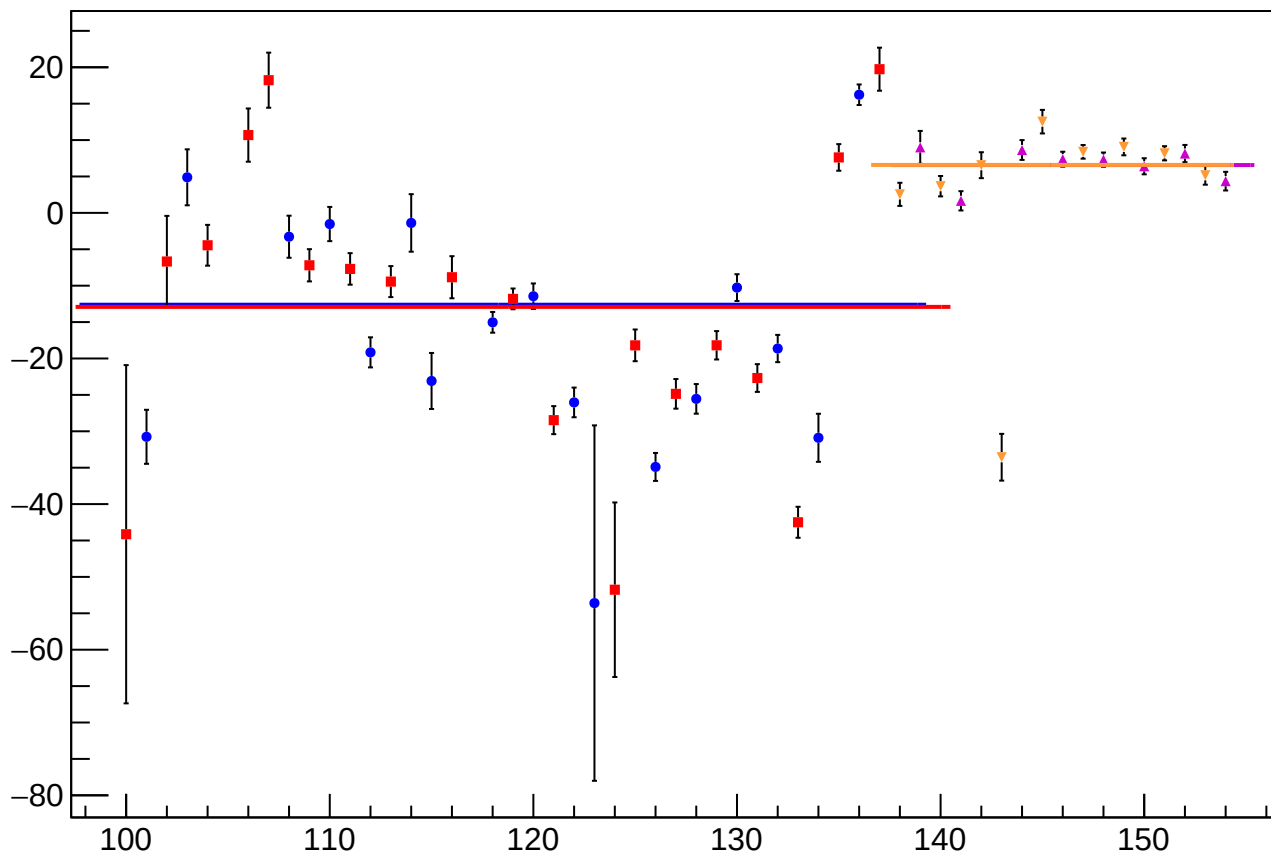
Right: -52.405 ± 0.608 $\chi^2/\text{NDF}: 2348.7/35$

In: -16.499 ± 0.433 $\chi^2/\text{NDF}: 3774.8/24$

Out: -17.928 ± 0.448 $\chi^2/\text{NDF}: 5817.0/27$

All: -17.188 ± 0.311 $\chi^2/\text{NDF}: 9597.0/52$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.616 ± 0.530 χ^2/NDF : 788.2/16

Left Out: 6.588 ± 0.437 χ^2/NDF : 192.8/8

Right Out: -12.912 ± 0.538 χ^2/NDF : 730.2/18

Left In: 6.568 ± 0.428 χ^2/NDF : 23.2/7

Left: 6.578 ± 0.306 χ^2/NDF : 216.0/16

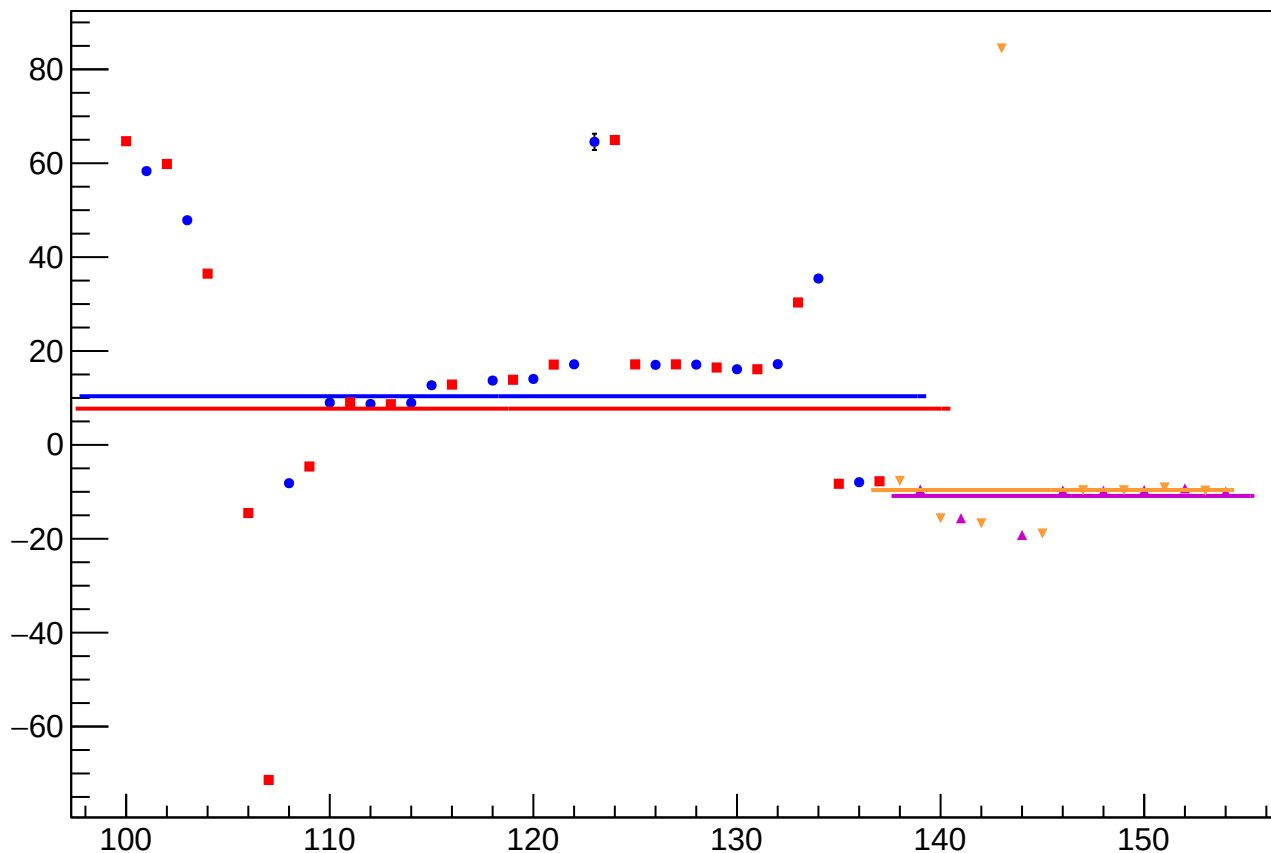
Right: -12.762 ± 0.378 χ^2/NDF : 1518.6/35

In: -1.002 ± 0.333 χ^2/NDF : 1604.1/24

Out: -1.160 ± 0.339 χ^2/NDF : 1714.2/27

All: -1.079 ± 0.238 χ^2/NDF : 3318.4/52

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.366 $\pm$ 0.031 χ^2 /NDF: 381003.5/16

Left Out: -9.613 $\pm$ 0.022 χ^2 /NDF: 354433.2/8

Right Out: 7.719 $\pm$ 0.031 χ^2 /NDF: 545085.7/18

Left In: -10.878 $\pm$ 0.020 χ^2 /NDF: 20703.5/7

Left: -10.292 $\pm$ 0.015 χ^2 /NDF: 376954.9/16

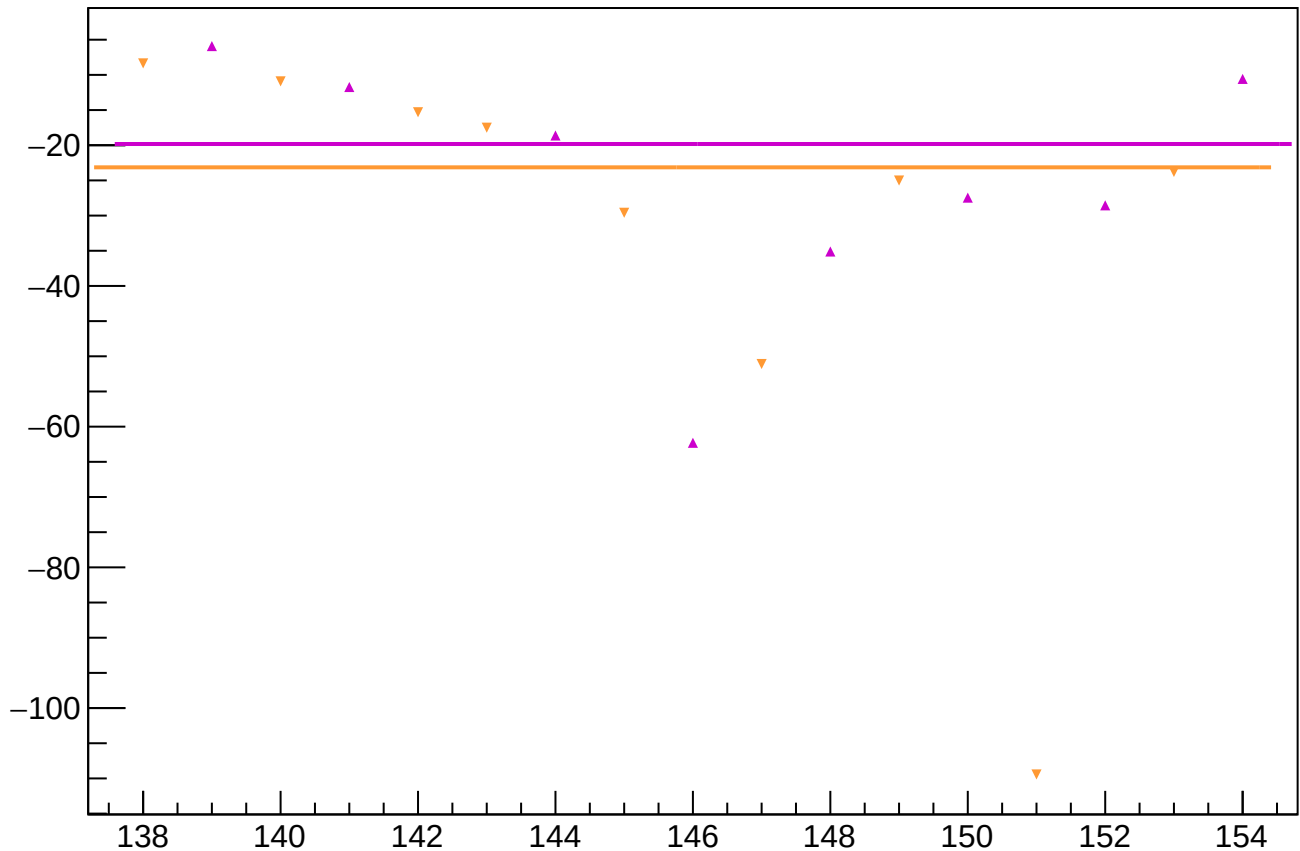
Right: 9.073 $\pm$ 0.022 χ^2 /NDF: 929756.2/35

In: -4.418 $\pm$ 0.017 χ^2 /NDF: 738512.4/24

Out: -3.959 $\pm$ 0.018 χ^2 /NDF: 1106721.5/27

All: -4.202 $\pm$ 0.012 χ^2 /NDF: 1845583.1/52

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -23.141+/-0.092 χ^2/NDF : 48914.3/8

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

Left In: -19.825+/-0.080 χ^2/NDF : 33489.1/7

Left: -21.236+/-0.060 χ^2/NDF : 83143.3/16

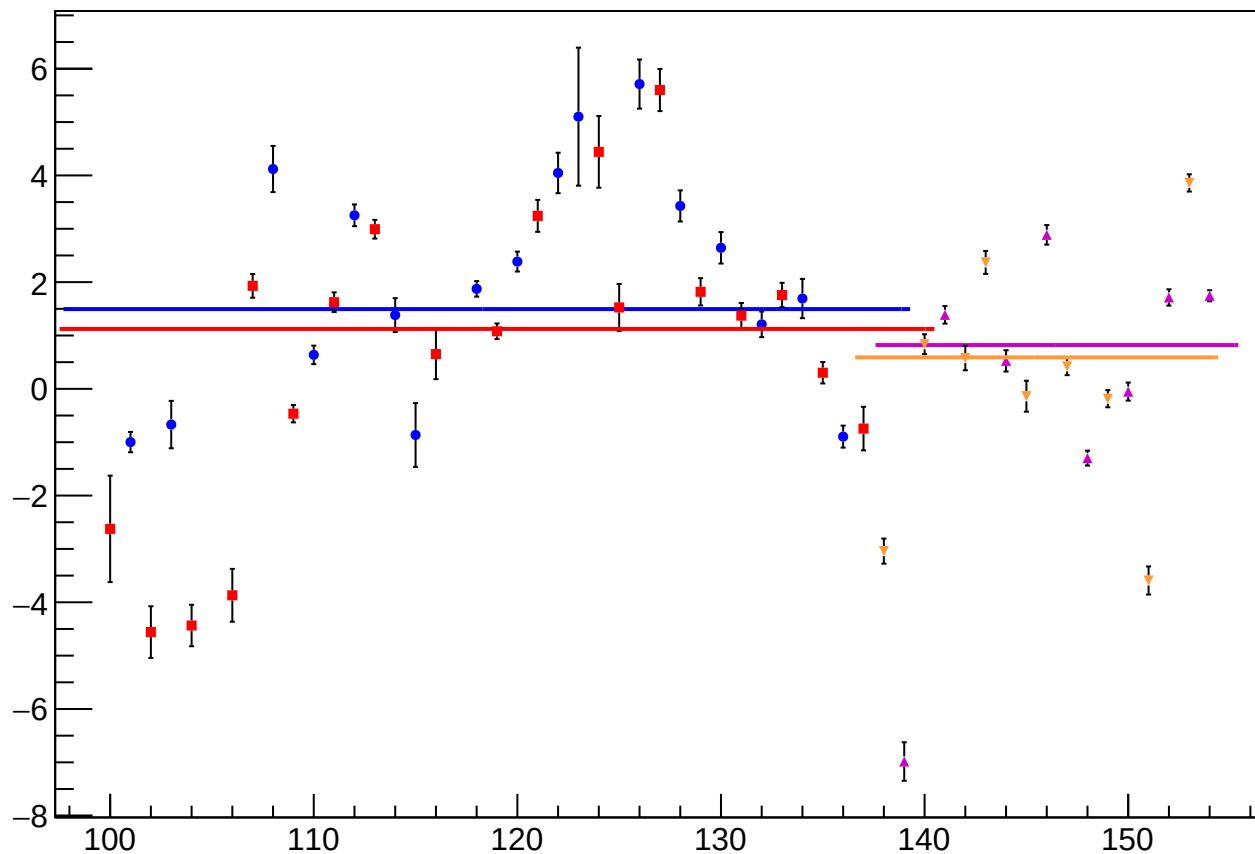
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.825+/-0.080 χ^2/NDF : 33489.1/7

Out: -23.141+/-0.092 χ^2/NDF : 48914.3/8

All: -21.236+/-0.060 χ^2/NDF : 83143.3/16

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.495 ± 0.061 χ^2/NDF : 708.8/16

Left Out: 0.590 ± 0.066 χ^2/NDF : 1001.1/8

Right Out: 1.123 ± 0.058 χ^2/NDF : 946.5/18

Left In: 0.821 ± 0.056 χ^2/NDF : 978.3/7

Left: 0.725 ± 0.043 χ^2/NDF : 1986.6/16

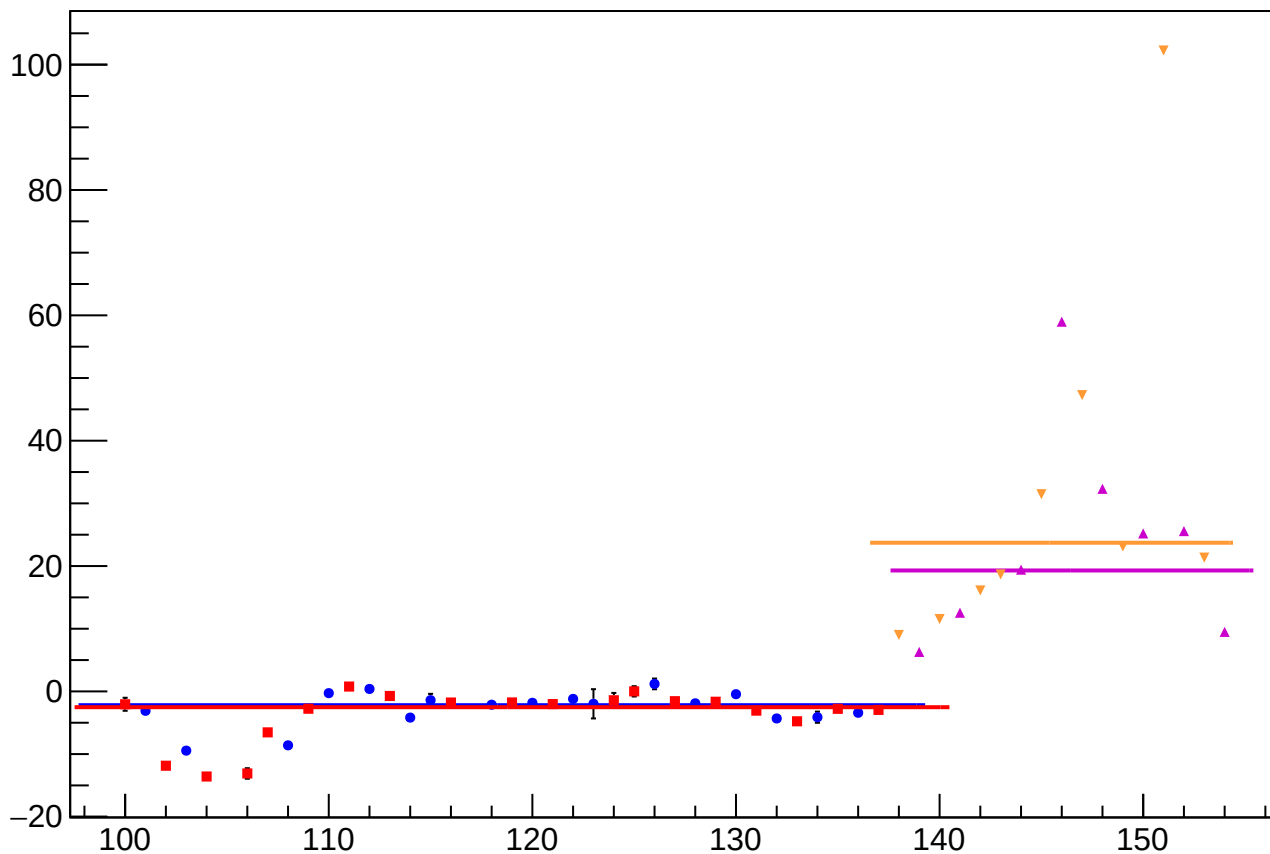
Right: 1.300 ± 0.042 χ^2/NDF : 1674.8/35

In: 1.127 ± 0.041 χ^2/NDF : 1753.6/24

Out: 0.891 ± 0.044 χ^2/NDF : 1984.1/27

All: 1.016 ± 0.030 χ^2/NDF : 3753.3/52

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.200 ± 0.111 χ^2/NDF : 461.0/16

Left Out: 23.719 ± 0.093 χ^2/NDF : 43616.5/8

Right Out: -2.520 ± 0.099 χ^2/NDF : 903.3/18

Left In: 19.296 ± 0.078 χ^2/NDF : 30641.1/7

Left: 21.110 ± 0.060 χ^2/NDF : 75584.4/16

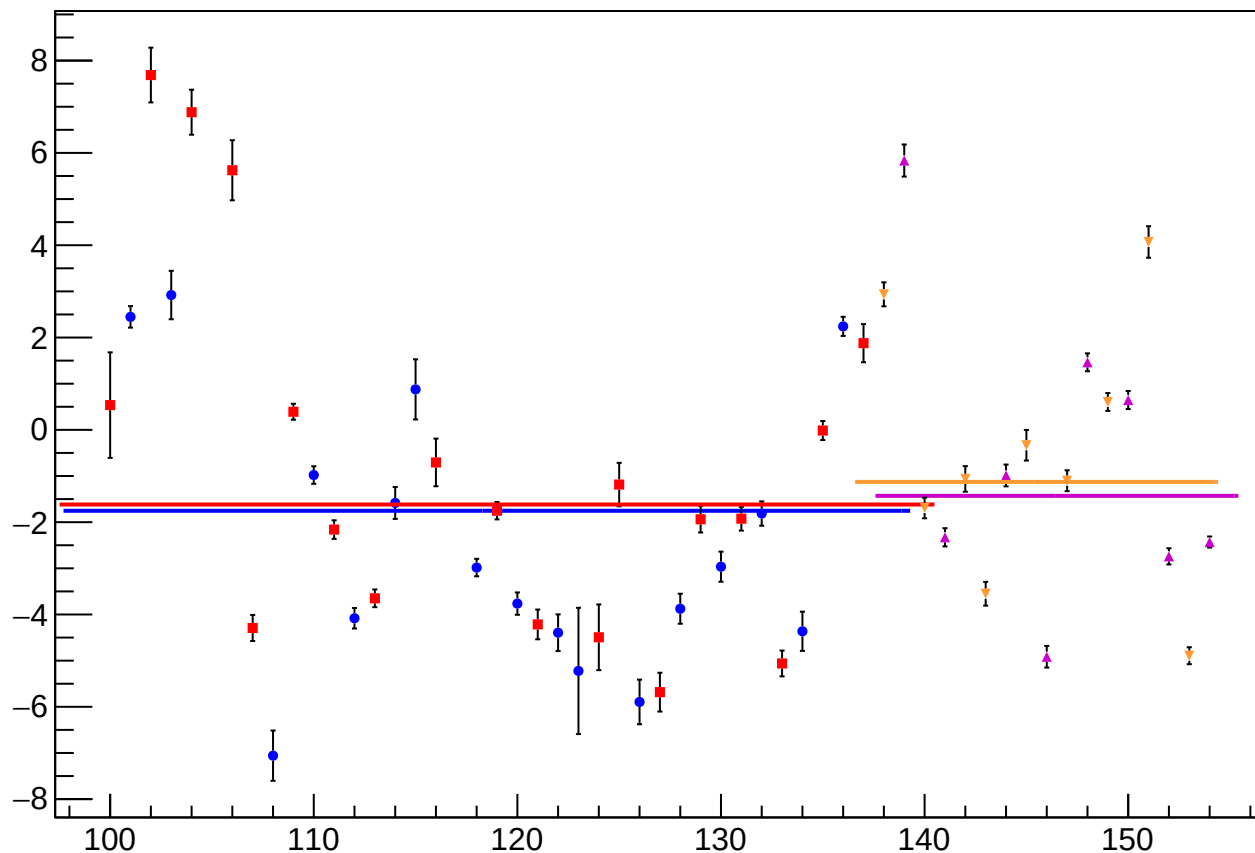
Right: -2.378 ± 0.074 χ^2/NDF : 1368.9/35

In: 12.181 ± 0.064 χ^2/NDF : 56381.0/24

Out: 11.373 ± 0.068 χ^2/NDF : 81752.4/27

All: 11.803 ± 0.046 χ^2/NDF : 138208.8/52

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.753 ± 0.070 $\chi^2/\text{NDF}: 1345.0/16$

Left Out: -1.128 ± 0.080 $\chi^2/\text{NDF}: 1078.0/8$

Right Out: -1.617 ± 0.066 $\chi^2/\text{NDF}: 1487.5/18$

Left In: -1.430 ± 0.067 $\chi^2/\text{NDF}: 1142.6/7$

Left: -1.306 ± 0.051 $\chi^2/\text{NDF}: 2229.0/16$

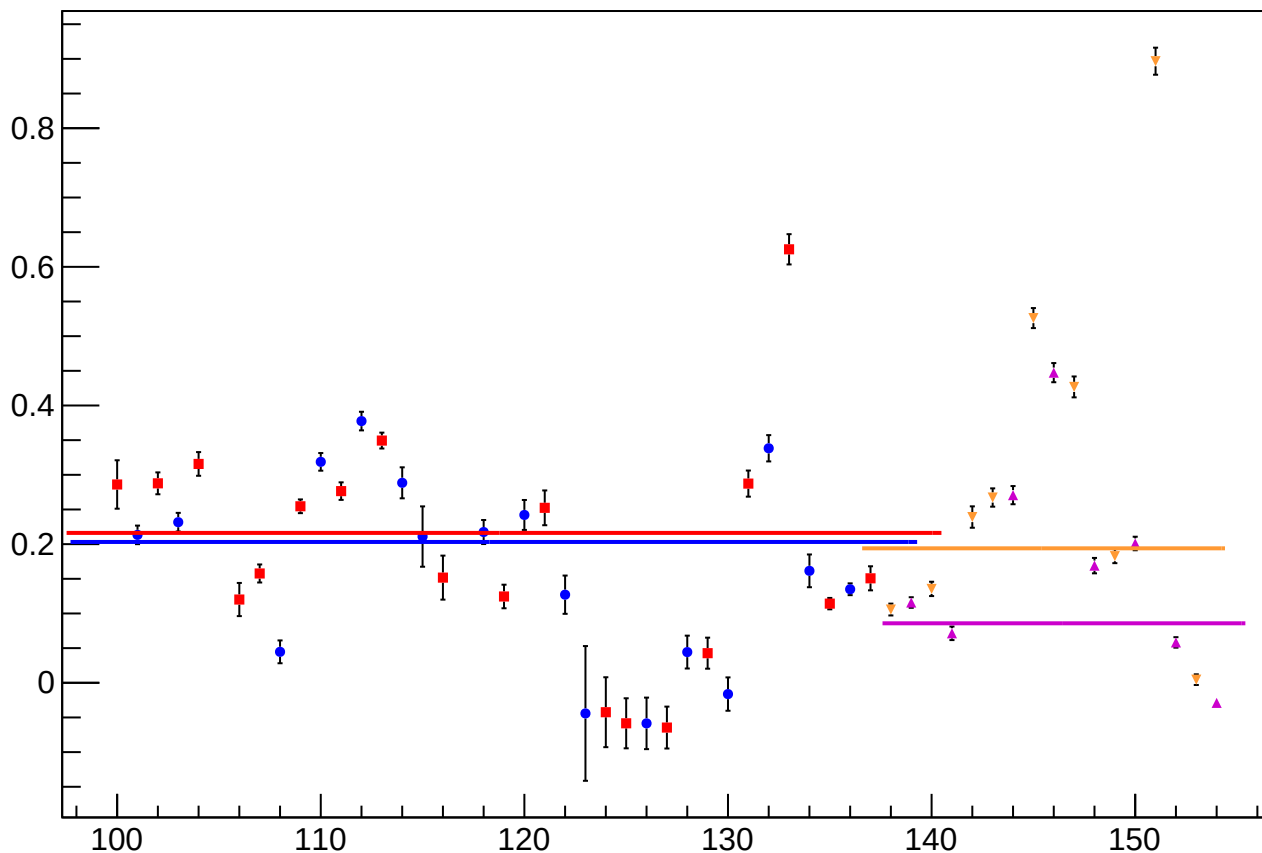
Right: -1.681 ± 0.048 $\chi^2/\text{NDF}: 2834.6/35$

In: -1.583 ± 0.048 $\chi^2/\text{NDF}: 2498.8/24$

Out: -1.420 ± 0.051 $\chi^2/\text{NDF}: 2587.9/27$

All: -1.505 ± 0.035 $\chi^2/\text{NDF}: 5092.1/52$

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.203 $\pm$ 0.004 χ^2 /NDF: 677.2/16

Left Out: 0.194 $\pm$ 0.004 χ^2 /NDF:2849.2/8

Right Out: 0.216 $\pm$ 0.004 χ^2 /NDF: 1067.3/18

Left In: 0.086 $\pm$ 0.003 χ^2 /NDF:1651.4/7

Left: 0.127 $\pm$ 0.002 χ^2 /NDF: 5018.1/16

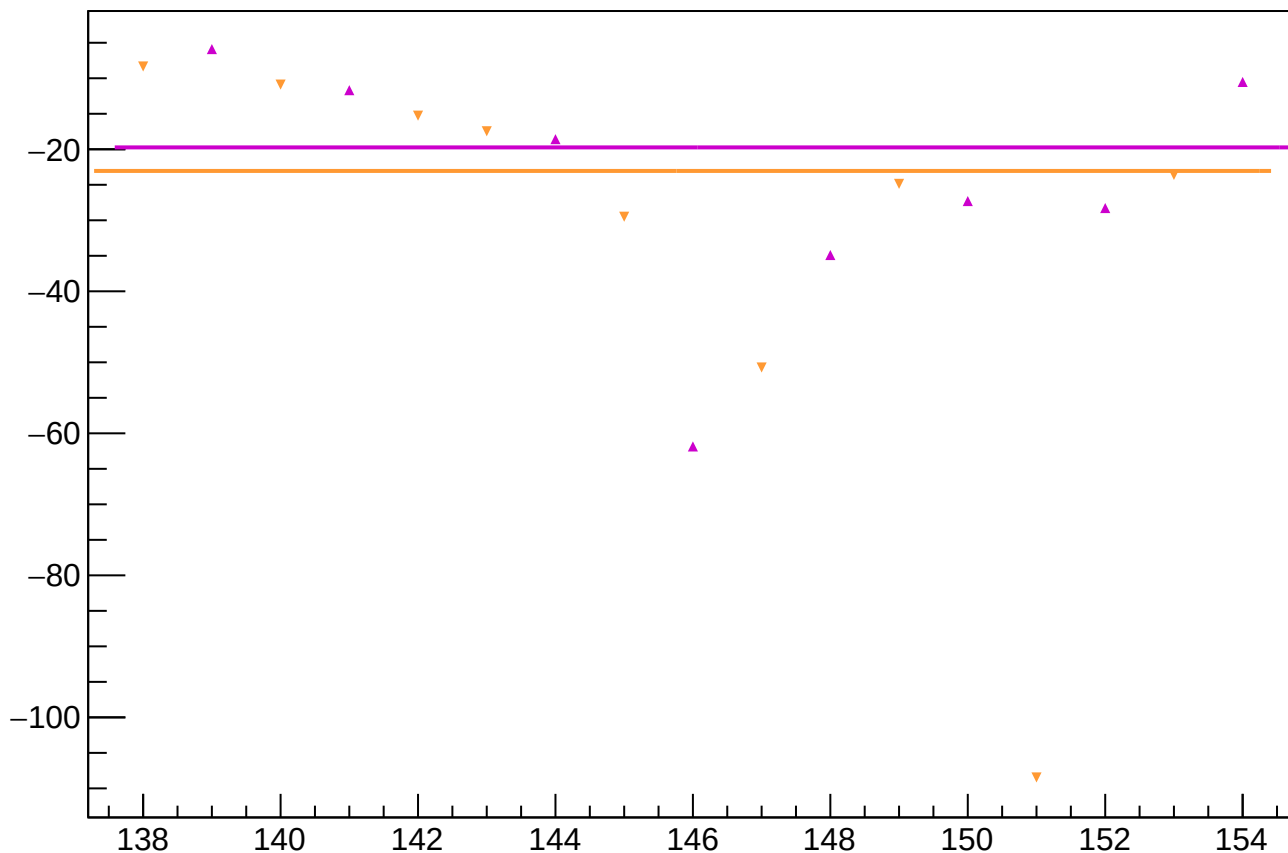
Right: 0.210 $\pm$ 0.003 χ^2 /NDF: 1750.0/35

In: 0.125 $\pm$ 0.002 χ^2 /NDF:2864.3/24

Out: 0.205 $\pm$ 0.003 χ^2 /NDF:3934.4/27

All: 0.161 $\pm$ 0.002 χ^2 /NDF: 7305.9/52

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -23.050+/-0.092 χ^2/NDF : 48795.8/8

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

Left In: -19.735+/-0.079 χ^2/NDF : 33411.4/7

Left: -21.145+/-0.060 χ^2/NDF : 82955.2/16

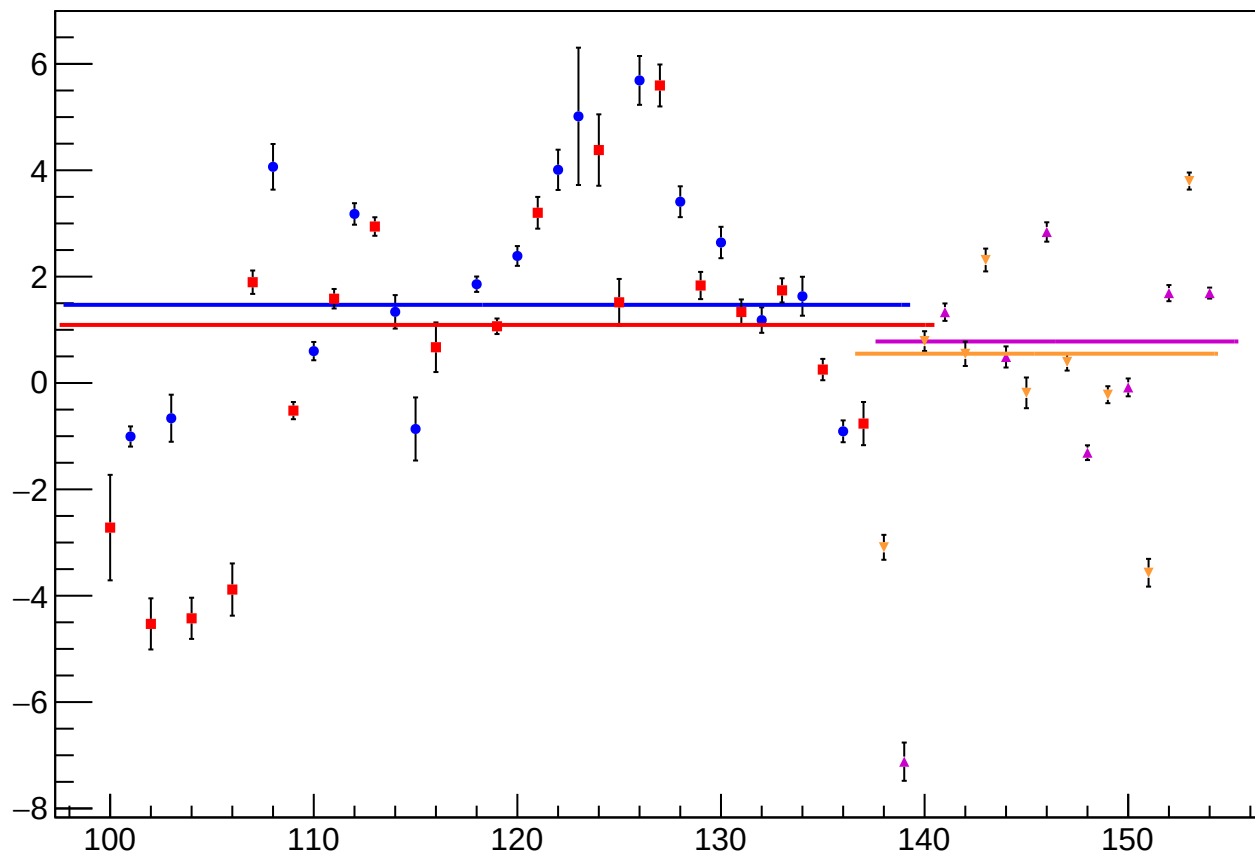
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.735+/-0.079 χ^2/NDF : 33411.4/7

Out: -23.050+/-0.092 χ^2/NDF : 48795.8/8

All: -21.145+/-0.060 χ^2/NDF : 82955.2/16

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.470 ± 0.061 χ^2/NDF : 707.9/16

Left Out: 0.551 ± 0.066 χ^2/NDF : 1001.0/8

Right Out: 1.092 ± 0.058 χ^2/NDF : 952.1/18

Left In: 0.781 ± 0.055 χ^2/NDF : 992.2/7

Left: 0.685 ± 0.042 χ^2/NDF : 2000.3/16

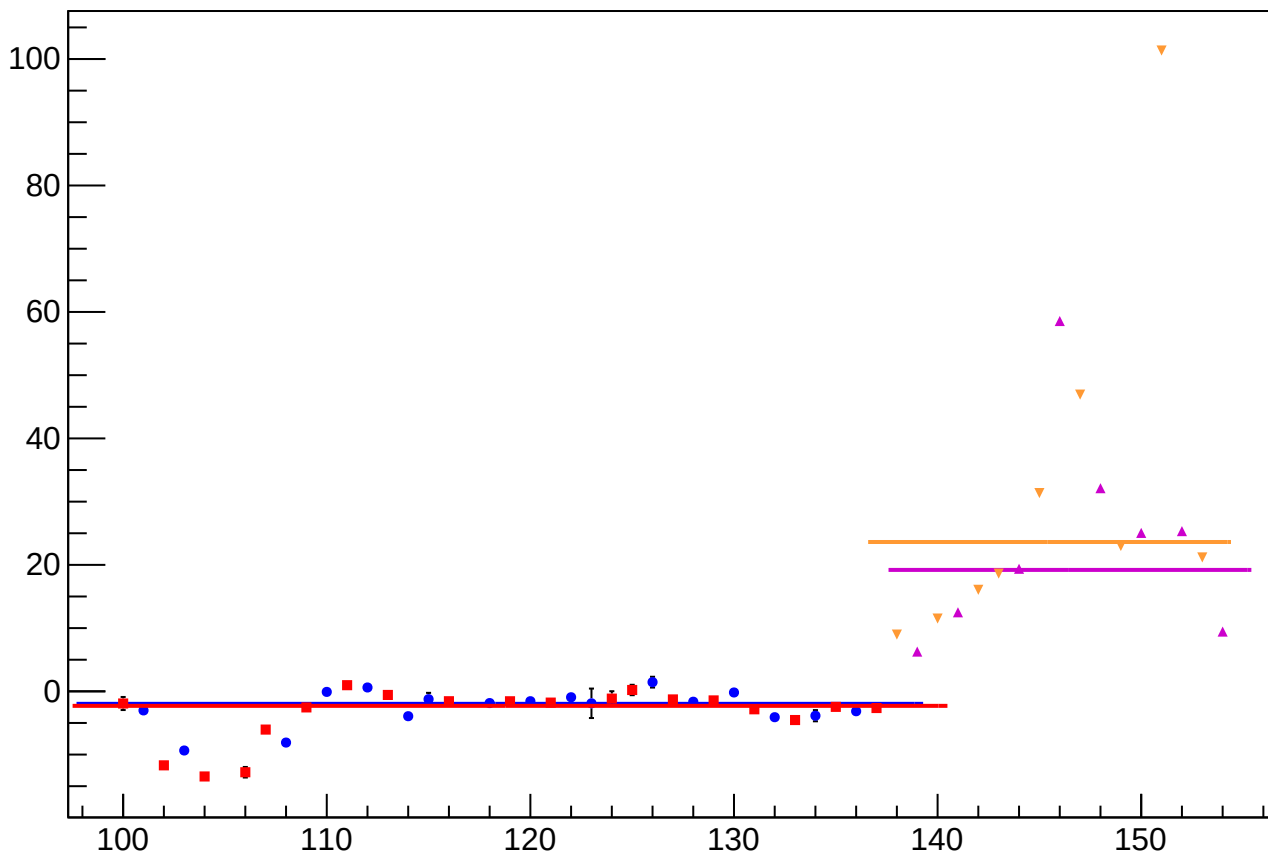
Right: 1.272 ± 0.042 χ^2/NDF : 1680.2/35

In: 1.093 ± 0.041 χ^2/NDF : 1770.2/24

Out: 0.856 ± 0.043 χ^2/NDF : 1991.1/27

All: 0.982 ± 0.030 χ^2/NDF : 3777.2/52

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -1.977 ± 0.110 χ^2/NDF : 463.8/16

Left Out: 23.618 ± 0.093 χ^2/NDF : 43510.9/8

Right Out: -2.294 ± 0.098 χ^2/NDF : 906.6/18

Left In: 19.204 ± 0.077 χ^2/NDF : 30575.3/7

Left: 21.014 ± 0.059 χ^2/NDF : 75423.2/16

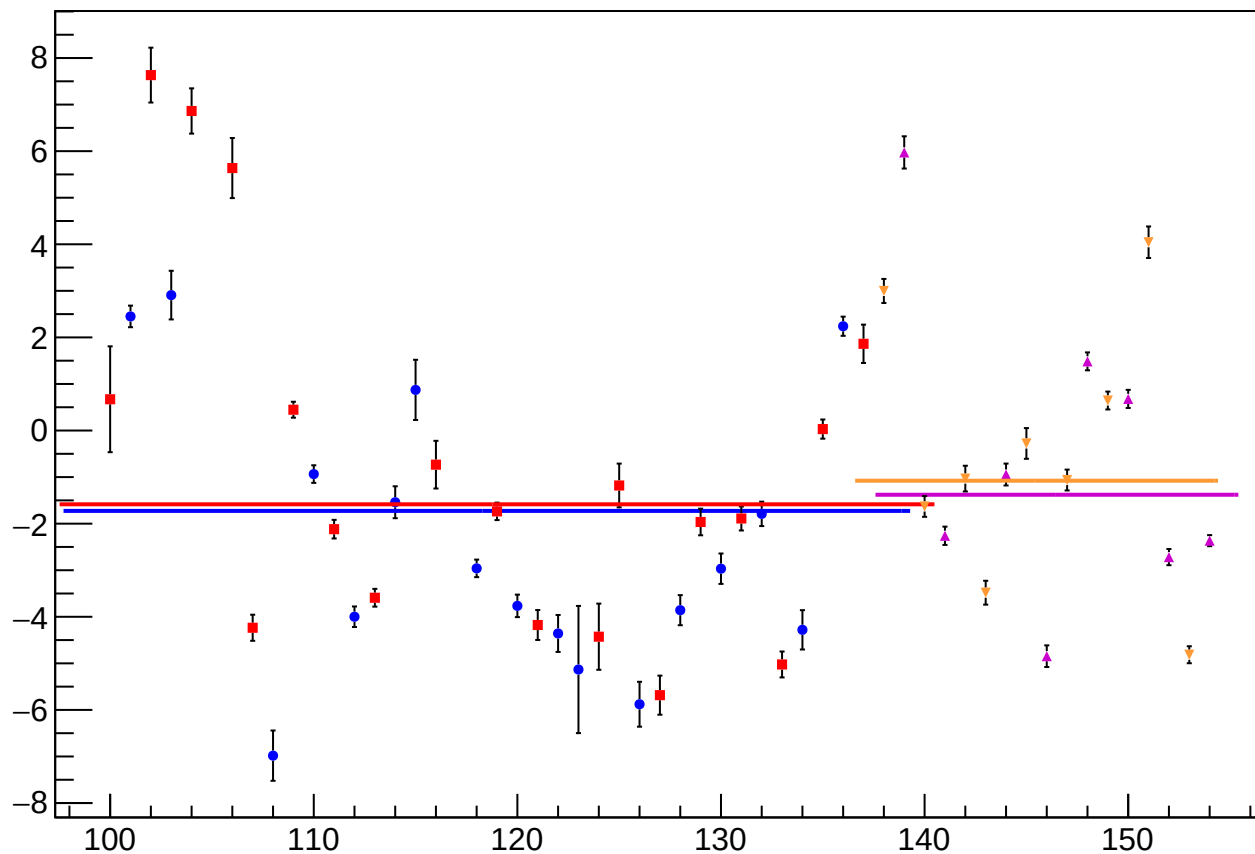
Right: -2.153 ± 0.073 χ^2/NDF : 1375.0/35

In: 12.206 ± 0.063 χ^2/NDF : 55848.5/24

Out: 11.434 ± 0.067 χ^2/NDF : 81136.0/27

All: 11.845 ± 0.046 χ^2/NDF : 137054.2/52

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.726 ± 0.070 χ^2/NDF : 1341.5/16

Left Out: -1.077 ± 0.079 χ^2/NDF : 1078.6/8

Right Out: -1.584 ± 0.065 χ^2/NDF : 1492.8/18

Left In: -1.379 ± 0.066 χ^2/NDF : 1158.1/7

Left: -1.255 ± 0.051 χ^2/NDF : 2245.2/16

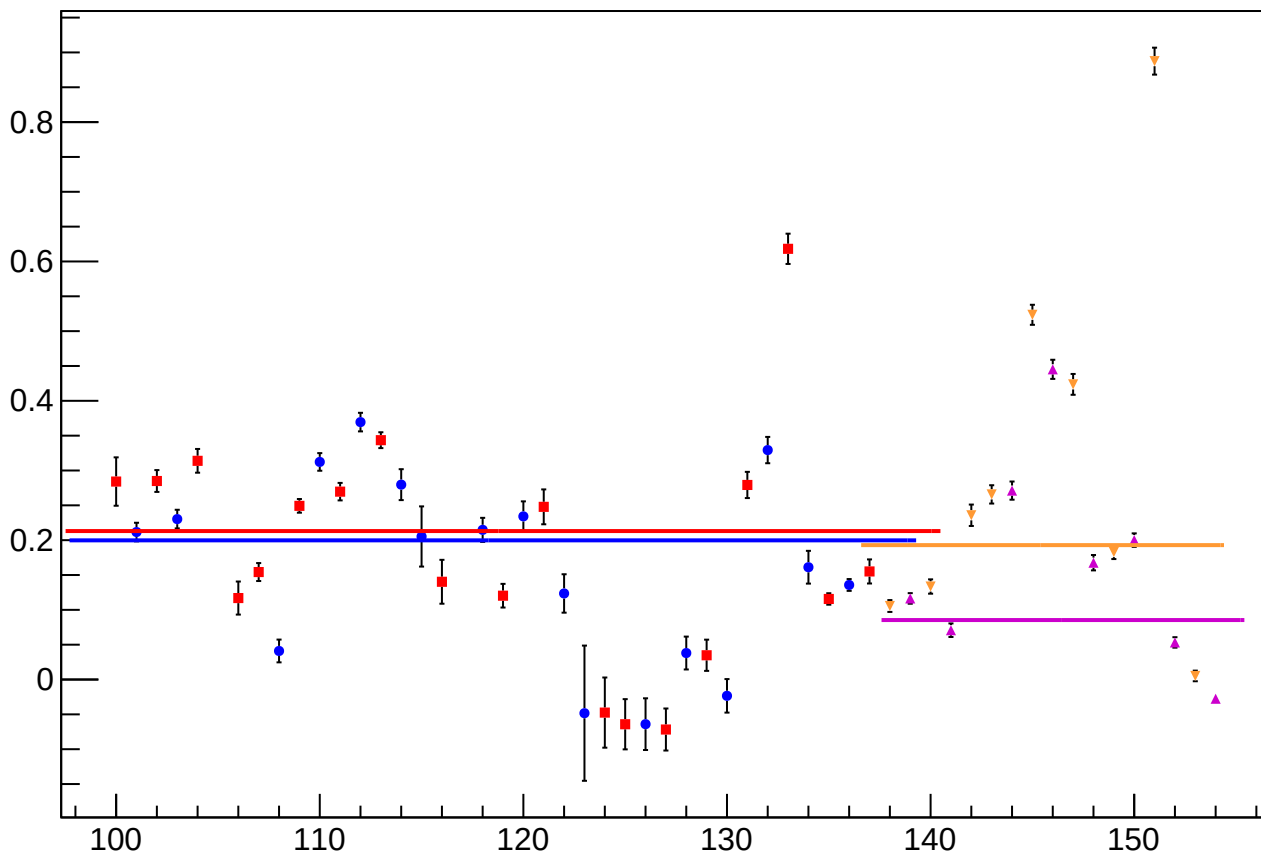
Right: -1.650 ± 0.048 χ^2/NDF : 2836.5/35

In: -1.543 ± 0.048 χ^2/NDF : 2512.6/24

Out: -1.379 ± 0.050 χ^2/NDF : 2595.7/27

All: -1.465 ± 0.035 χ^2/NDF : 5113.8/52

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.200 $\pm$ 0.004 χ^2 /NDF: 662.5/16

Left Out: 0.193 $\pm$ 0.004 χ^2 /NDF: 2839.2/8

Right Out: 0.213 $\pm$ 0.004 χ^2 /NDF: 1050.9/18

Left In: 0.085 $\pm$ 0.003 χ^2 /NDF: 1654.8/7

Left: 0.126 $\pm$ 0.002 χ^2 /NDF: 5011.8/16

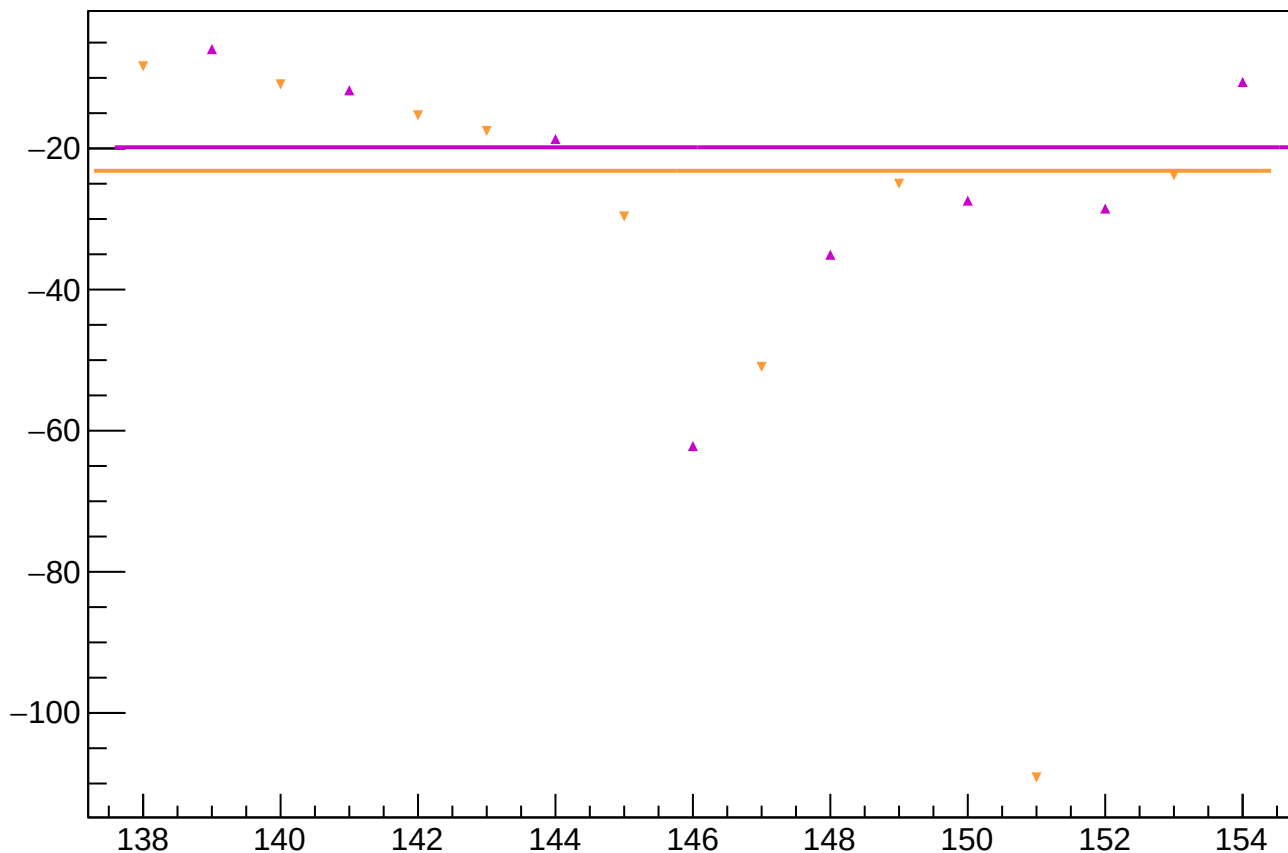
Right: 0.207 $\pm$ 0.003 χ^2 /NDF: 1719.2/35

In: 0.124 $\pm$ 0.002 χ^2 /NDF: 2831.8/24

Out: 0.203 $\pm$ 0.003 χ^2 /NDF: 3905.0/27

All: 0.160 $\pm$ 0.002 χ^2 /NDF: 7242.0/52

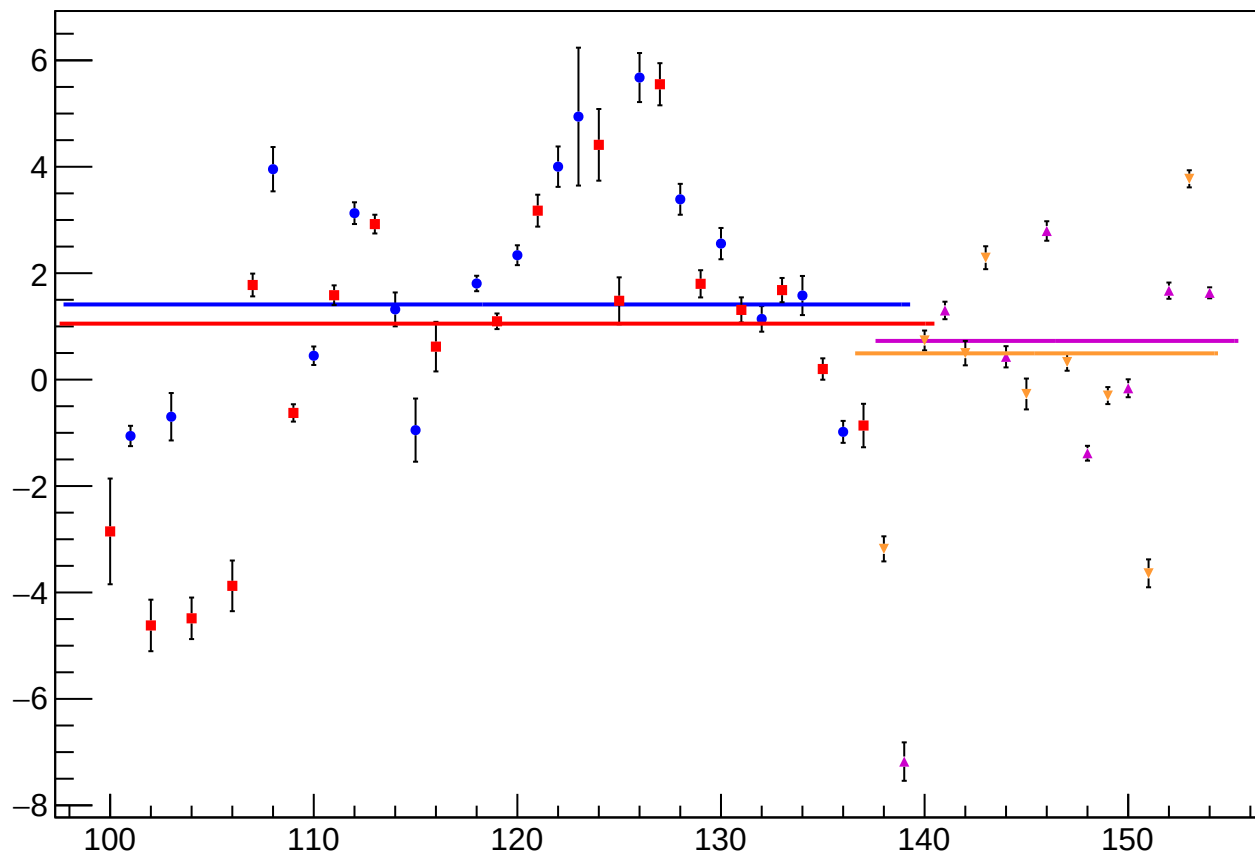
reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -23.163+/-0.092 χ^2/NDF :48898.4/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -19.835+/-0.079 χ^2/NDF :33477.3/7

Left: -21.250+/-0.060 χ^2/NDF : 83123.3/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -19.835+/-0.079 χ^2/NDF :33477.3/7
 Out: -23.163+/-0.092 χ^2/NDF :48898.4/8
 All: -21.250+/-0.060 χ^2/NDF : 83123.3/16

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.413 ± 0.061 χ^2/NDF : 713.9/16

Left Out: 0.493 ± 0.066 χ^2/NDF : 1010.6/8

Right Out: 1.052 ± 0.058 χ^2/NDF : 963.3/18

Left In: 0.727 ± 0.056 χ^2/NDF : 993.3/7

Left: 0.630 ± 0.043 χ^2/NDF : 2011.3/16

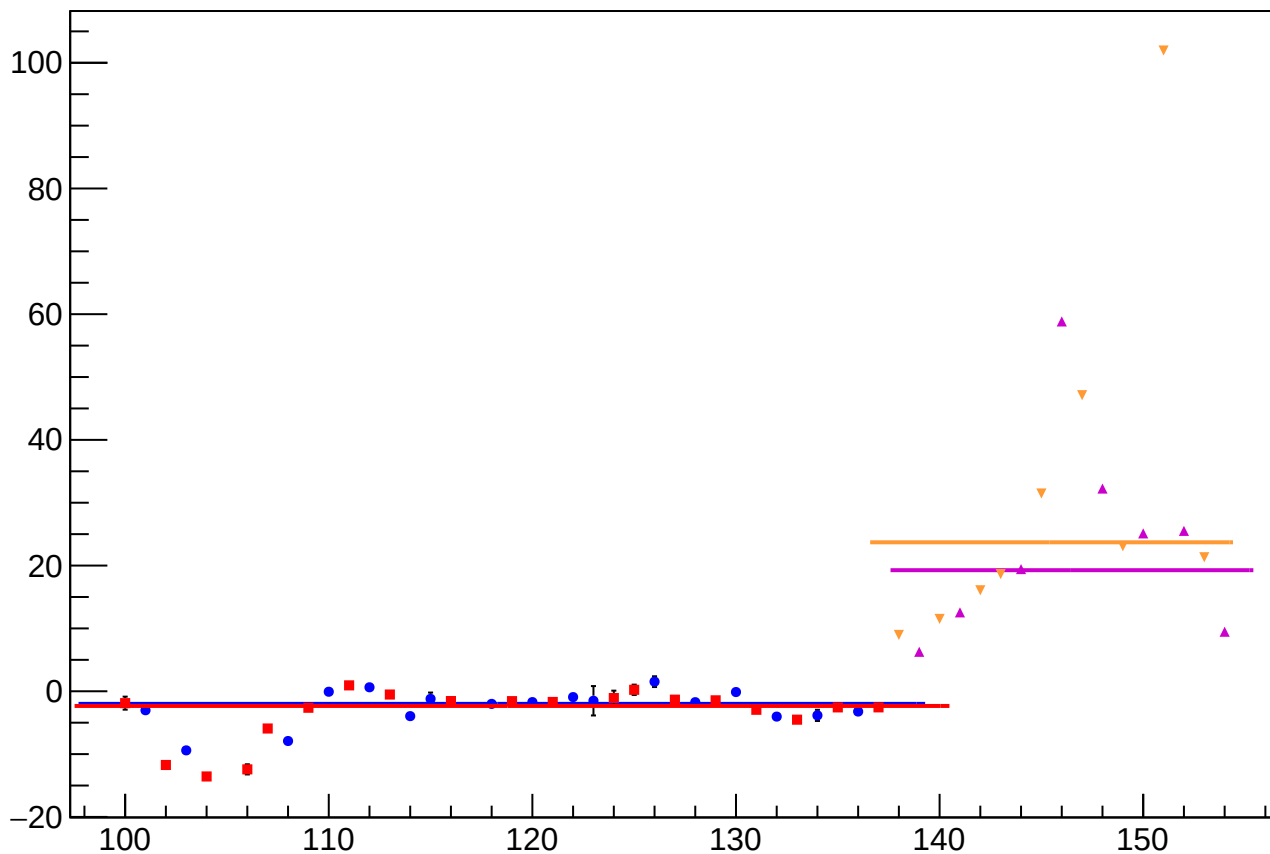
Right: 1.223 ± 0.042 χ^2/NDF : 1695.5/35

In: 1.038 ± 0.041 χ^2/NDF : 1776.0/24

Out: 0.809 ± 0.044 χ^2/NDF : 2014.2/27

All: 0.930 ± 0.030 χ^2/NDF : 3804.9/52

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.006 ± 0.111 χ^2/NDF : 463.3/16

Left Out: 23.702 ± 0.093 χ^2/NDF : 43601.2/8

Right Out: -2.336 ± 0.099 χ^2/NDF : 901.2/18

Left In: 19.264 ± 0.078 χ^2/NDF : 30647.0/7

Left: 21.083 ± 0.060 χ^2/NDF : 75588.3/16

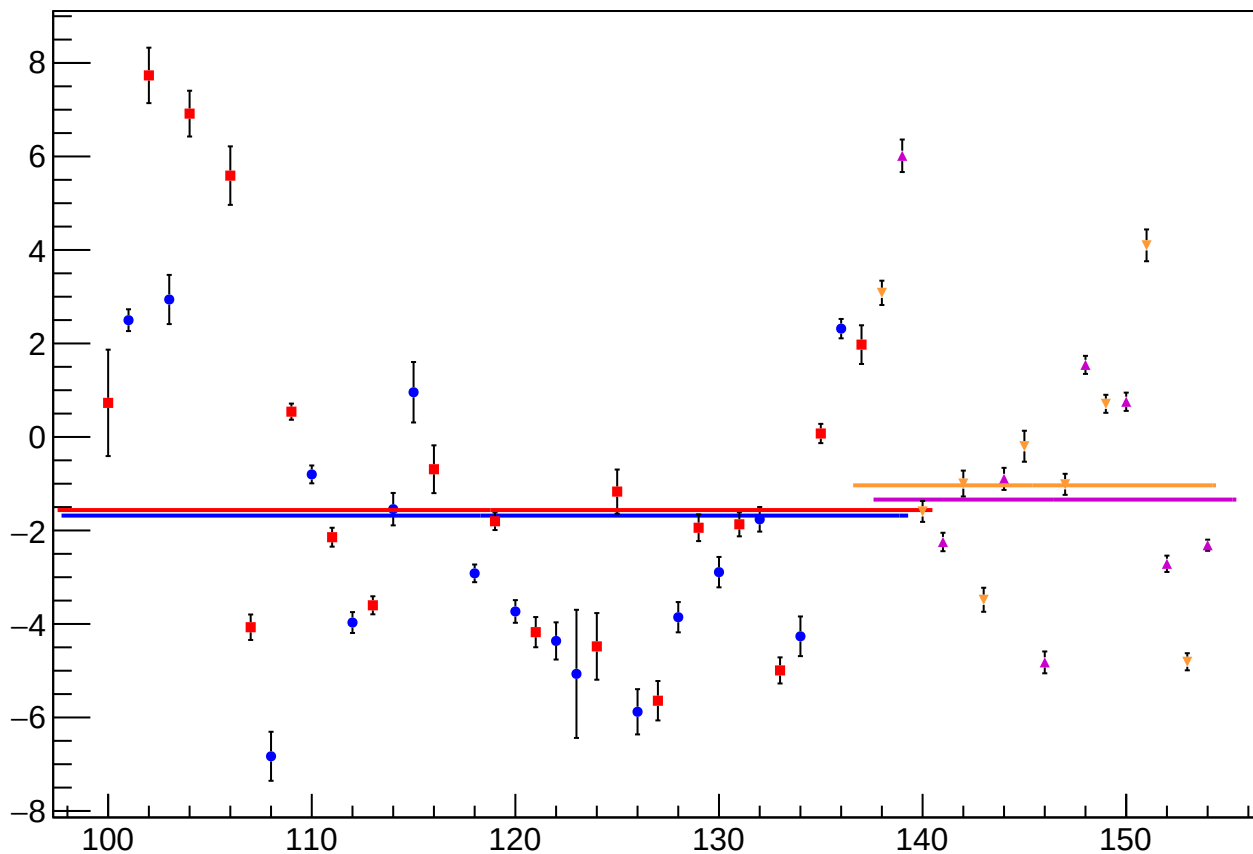
Right: -2.190 ± 0.074 χ^2/NDF : 1369.4/35

In: 12.250 ± 0.064 χ^2/NDF : 55890.0/24

Out: 11.466 ± 0.068 χ^2/NDF : 81234.8/27

All: 11.883 ± 0.046 χ^2/NDF : 137196.1/52

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.682 ± 0.070 χ^2/NDF : 1347.8/16

Left Out: -1.035 ± 0.080 χ^2/NDF : 1088.5/8

Right Out: -1.563 ± 0.066 χ^2/NDF : 1504.7/18

Left In: -1.340 ± 0.066 χ^2/NDF : 1159.4/7

Left: -1.215 ± 0.051 χ^2/NDF : 2256.6/16

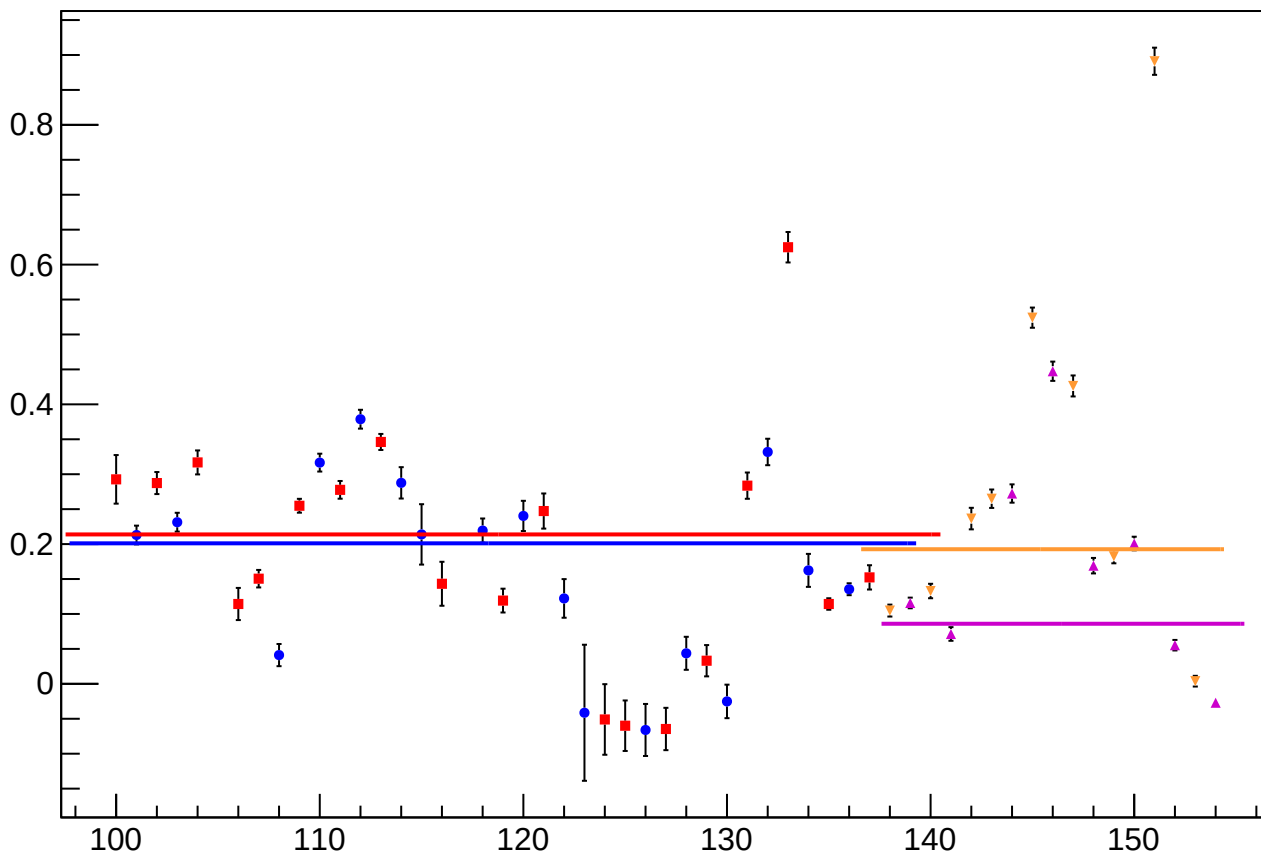
Right: -1.619 ± 0.048 χ^2/NDF : 2854.1/35

In: -1.501 ± 0.048 χ^2/NDF : 2519.8/24

Out: -1.350 ± 0.051 χ^2/NDF : 2619.4/27

All: -1.429 ± 0.035 χ^2/NDF : 5143.9/52

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 ± 0.004 χ^2/NDF : 691.3/16

Left Out: 0.193 ± 0.004 χ^2/NDF : 2841.7/8

Right Out: 0.214 ± 0.004 χ^2/NDF : 1083.1/18

Left In: 0.086 ± 0.003 χ^2/NDF : 1649.2/7

Left: 0.127 ± 0.002 χ^2/NDF : 4996.2/16

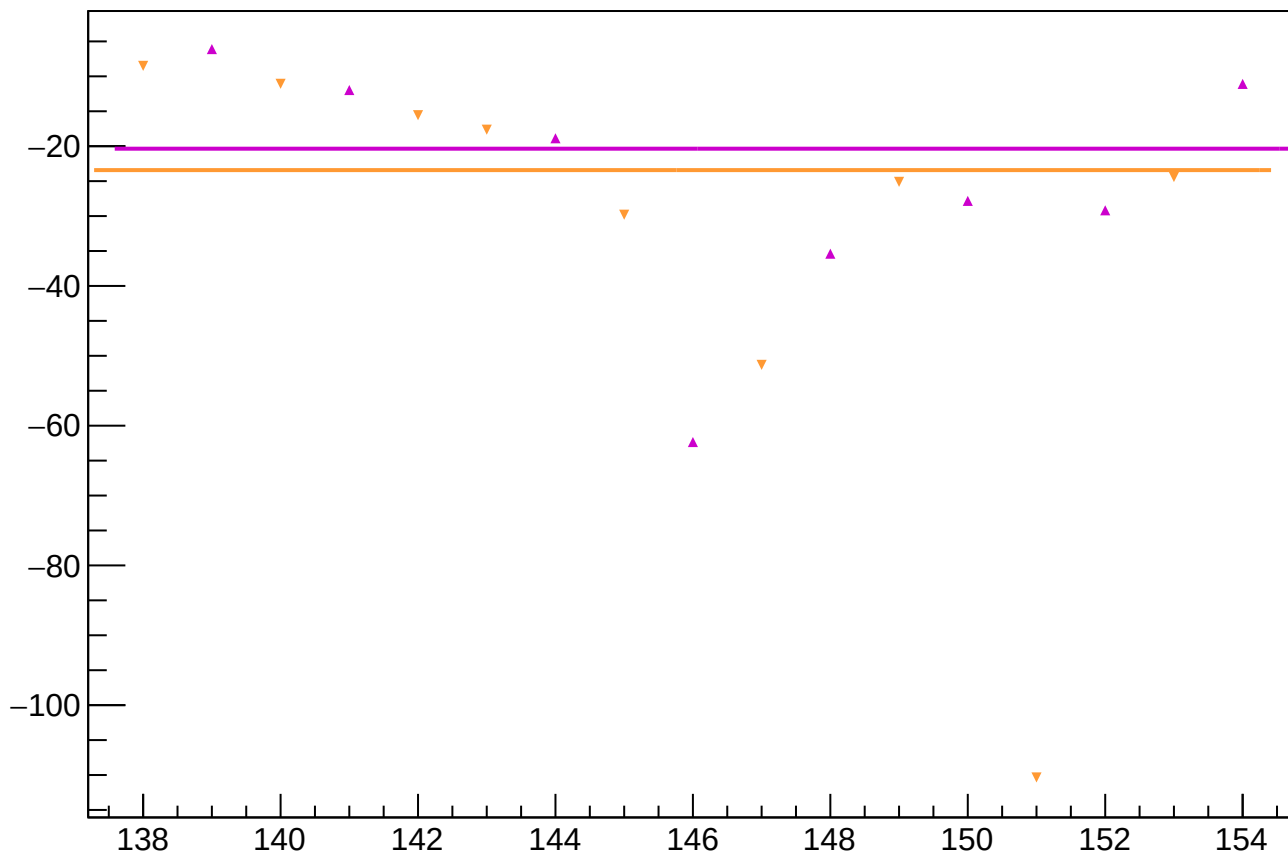
Right: 0.208 ± 0.003 χ^2/NDF : 1779.7/35

In: 0.125 ± 0.002 χ^2/NDF : 2857.9/24

Out: 0.203 ± 0.003 χ^2/NDF : 3941.1/27

All: 0.160 ± 0.002 χ^2/NDF : 7293.2/52

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -23.421+/-0.093 χ^2/NDF : 48792.2/8

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

Left In: -20.356+/-0.081 χ^2/NDF : 32689.0/7

Left: -21.673+/-0.061 χ^2/NDF : 82096.6/16

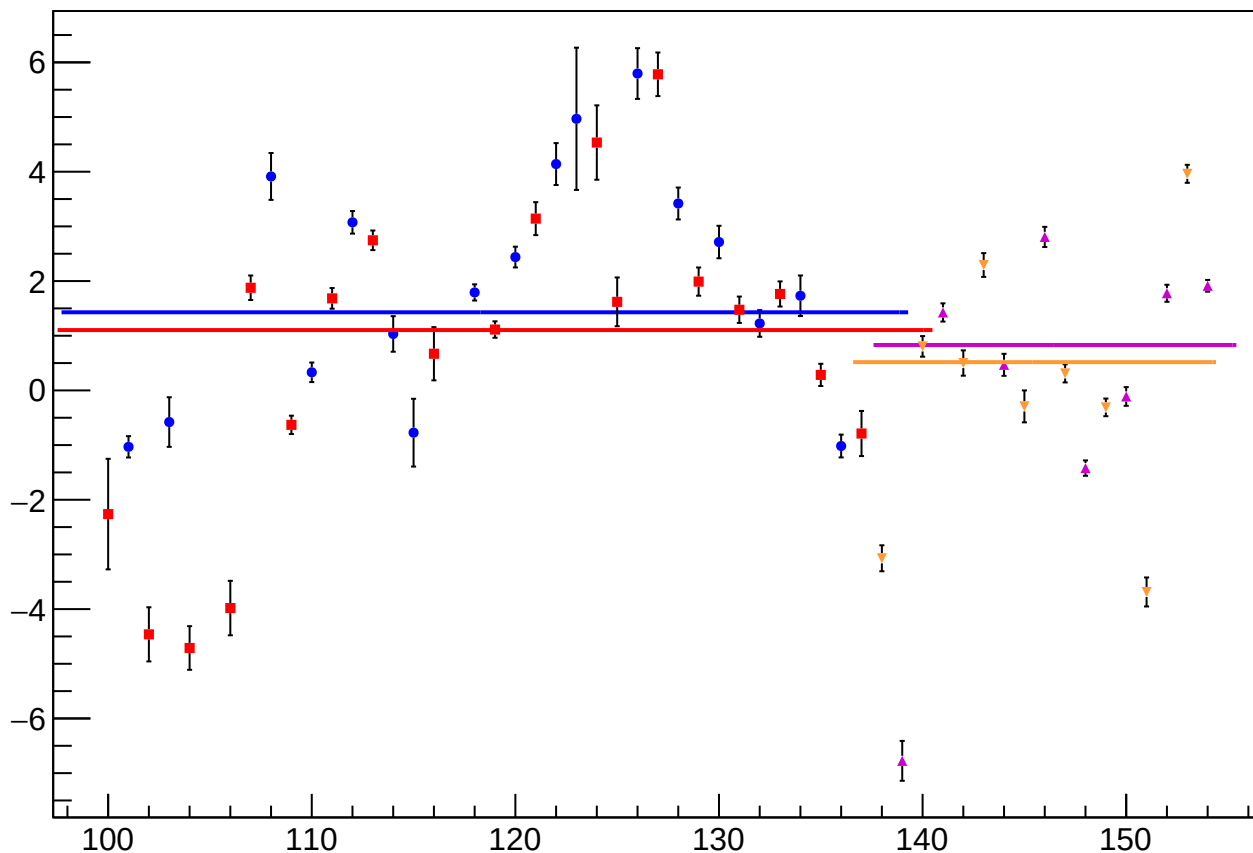
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -20.356+/-0.081 χ^2/NDF : 32689.0/7

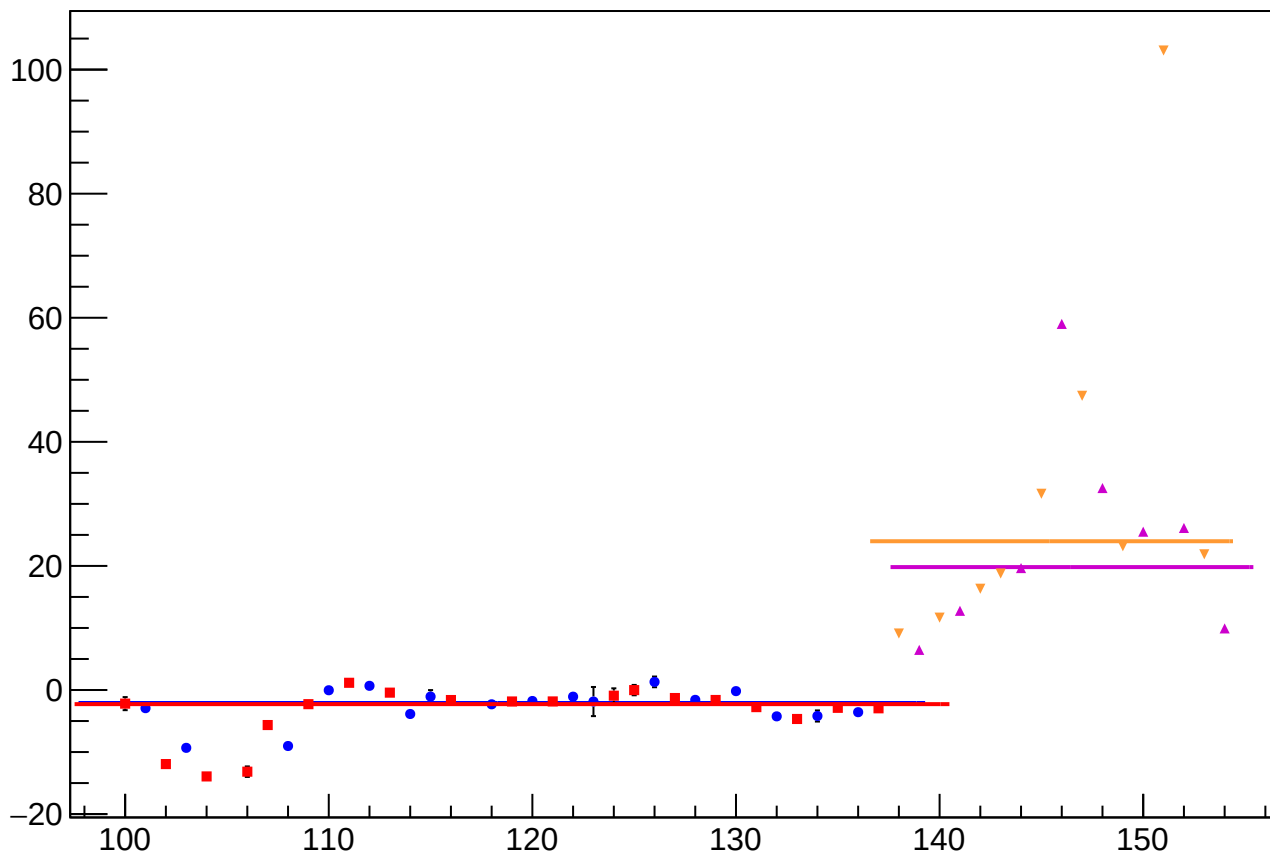
Out: -23.421+/-0.093 χ^2/NDF : 48792.2/8

All: -21.673+/-0.061 χ^2/NDF : 82096.6/16

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.094 ± 0.113 $\chi^2/\text{NDF}: 486.5/16$

Left Out: 23.979 ± 0.094 $\chi^2/\text{NDF}: 43473.0/8$

Right Out: -2.278 ± 0.101 $\chi^2/\text{NDF}: 918.6/18$

Left In: 19.812 ± 0.079 $\chi^2/\text{NDF}: 29763.2/7$

Left: 21.539 ± 0.061 $\chi^2/\text{NDF}: 74380.9/16$

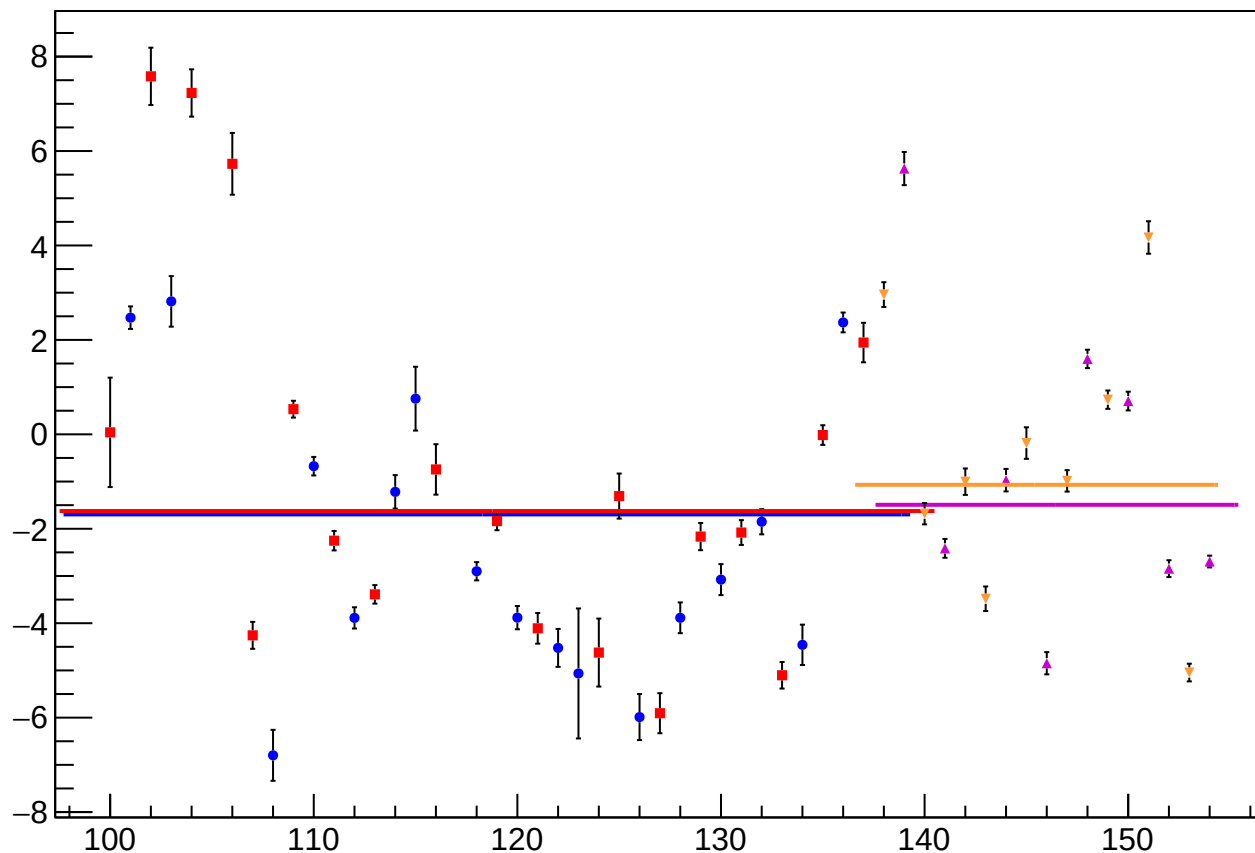
Right: -2.196 ± 0.075 $\chi^2/\text{NDF}: 1406.6/35$

In: 12.550 ± 0.065 $\chi^2/\text{NDF}: 55555.7/24$

Out: 11.760 ± 0.069 $\chi^2/\text{NDF}: 80519.3/27$

All: 12.179 ± 0.047 $\chi^2/\text{NDF}: 136144.6/52$

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.696 ± 0.072 χ^2/NDF : 1333.3/16

Left Out: -1.069 ± 0.081 χ^2/NDF : 1105.0/8

Right Out: -1.624 ± 0.067 χ^2/NDF : 1467.3/18

Left In: -1.492 ± 0.068 χ^2/NDF : 1163.9/7

Left: -1.317 ± 0.052 χ^2/NDF : 2285.0/16

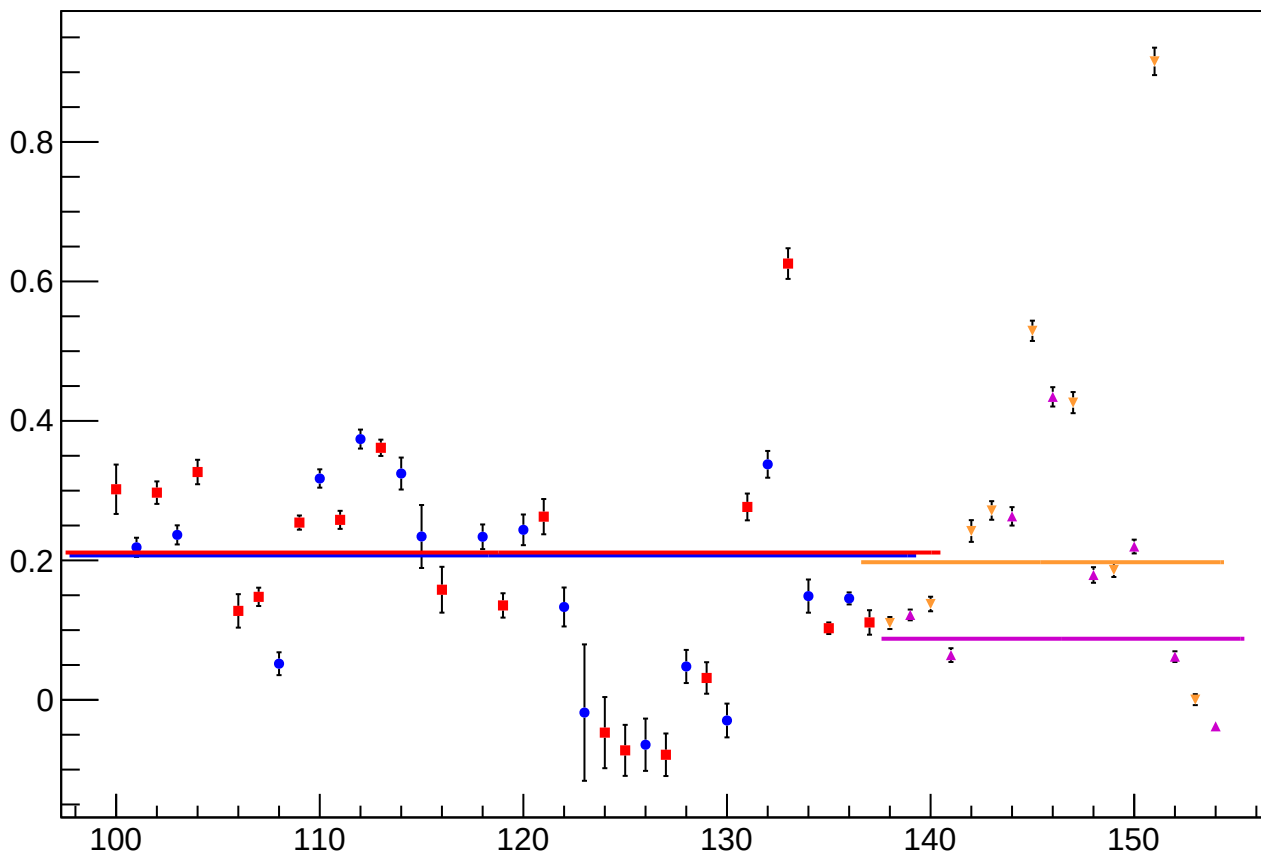
Right: -1.658 ± 0.049 χ^2/NDF : 2801.2/35

In: -1.589 ± 0.049 χ^2/NDF : 2501.5/24

Out: -1.398 ± 0.052 χ^2/NDF : 2600.4/27

All: -1.498 ± 0.036 χ^2/NDF : 5109.1/52

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.207 $\pm$ 0.004 χ^2 /NDF: 656.3/16

Left Out: 0.197 $\pm$ 0.004 χ^2 /NDF:2887.1/8

Right Out: 0.211 $\pm$ 0.004 χ^2 /NDF: 1145.7/18

Left In: 0.088 $\pm$ 0.003 χ^2 /NDF:1684.0/7

Left: 0.130 $\pm$ 0.002 χ^2 /NDF: 5088.2/16

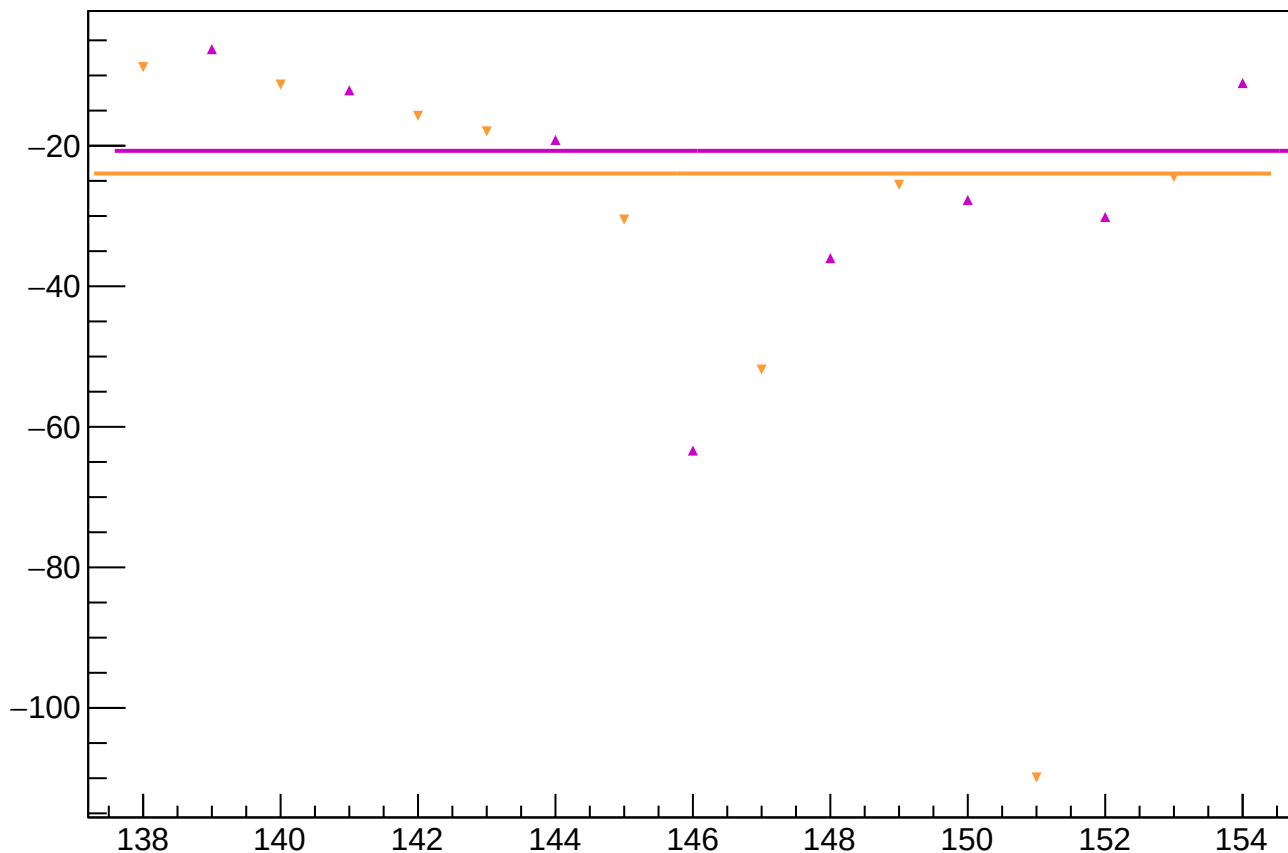
Right: 0.209 $\pm$ 0.003 χ^2 /NDF: 1802.5/35

In: 0.128 $\pm$ 0.002 χ^2 /NDF:2876.4/24

Out: 0.204 $\pm$ 0.003 χ^2 /NDF:4039.6/27

All: 0.163 $\pm$ 0.002 χ^2 /NDF: 7362.5/52

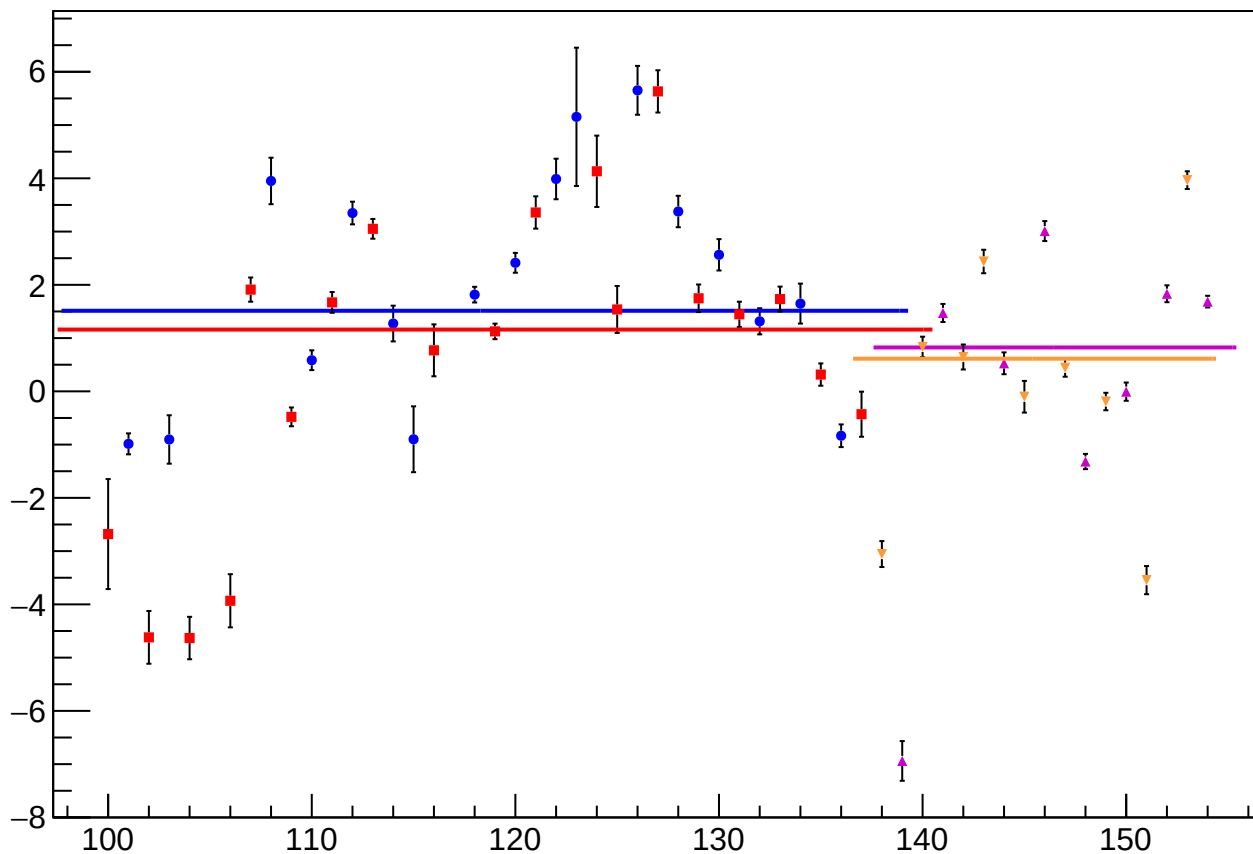
reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -23.953+/-0.095 χ^2/NDF :48090.3/8
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -20.726+/-0.082 χ^2/NDF :32789.5/7

Left: -22.112+/-0.062 χ^2/NDF : 81538.8/16
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -20.726+/-0.082 χ^2/NDF :32789.5/7
 Out: -23.953+/-0.095 χ^2/NDF :48090.3/8
 All: -22.112+/-0.062 χ^2/NDF : 81538.8/16

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.513 ± 0.063 χ^2/NDF : 669.7/16

Left Out: 0.613 ± 0.068 χ^2/NDF : 982.2/8

Right Out: 1.160 ± 0.060 χ^2/NDF : 917.0/18

Left In: 0.824 ± 0.058 χ^2/NDF : 935.5/7

Left: 0.735 ± 0.044 χ^2/NDF : 1923.3/16

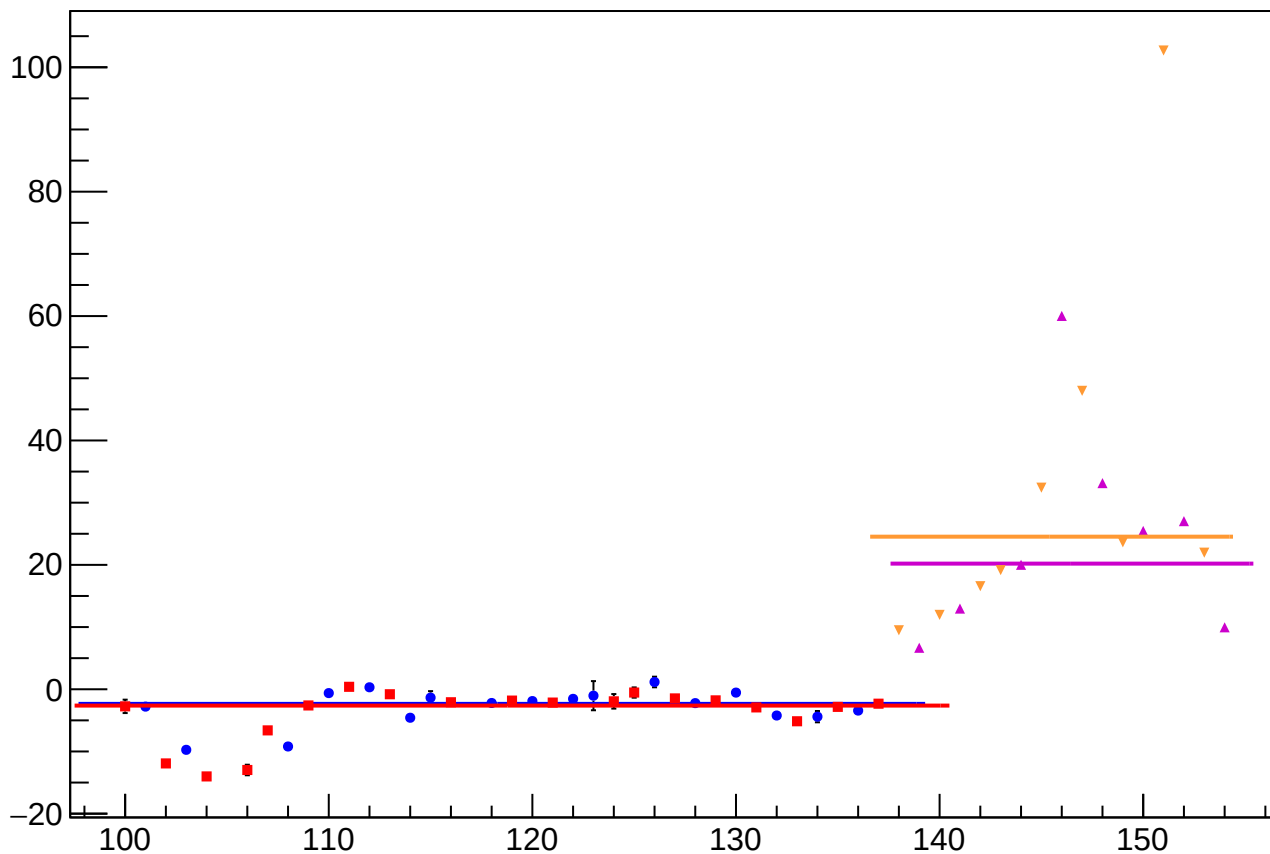
Right: 1.329 ± 0.043 χ^2/NDF : 1603.3/35

In: 1.140 ± 0.042 χ^2/NDF : 1670.5/24

Out: 0.920 ± 0.045 χ^2/NDF : 1935.6/27

All: 1.036 ± 0.031 χ^2/NDF : 3618.9/52

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.350 ± 0.114 χ^2/NDF : 439.7/16

Left Out: 24.534 ± 0.096 χ^2/NDF : 42828.0/8

Right Out: -2.624 ± 0.103 χ^2/NDF : 840.4/18

Left In: 20.201 ± 0.081 χ^2/NDF : 29861.2/7

Left: 21.998 ± 0.062 χ^2/NDF : 73886.4/16

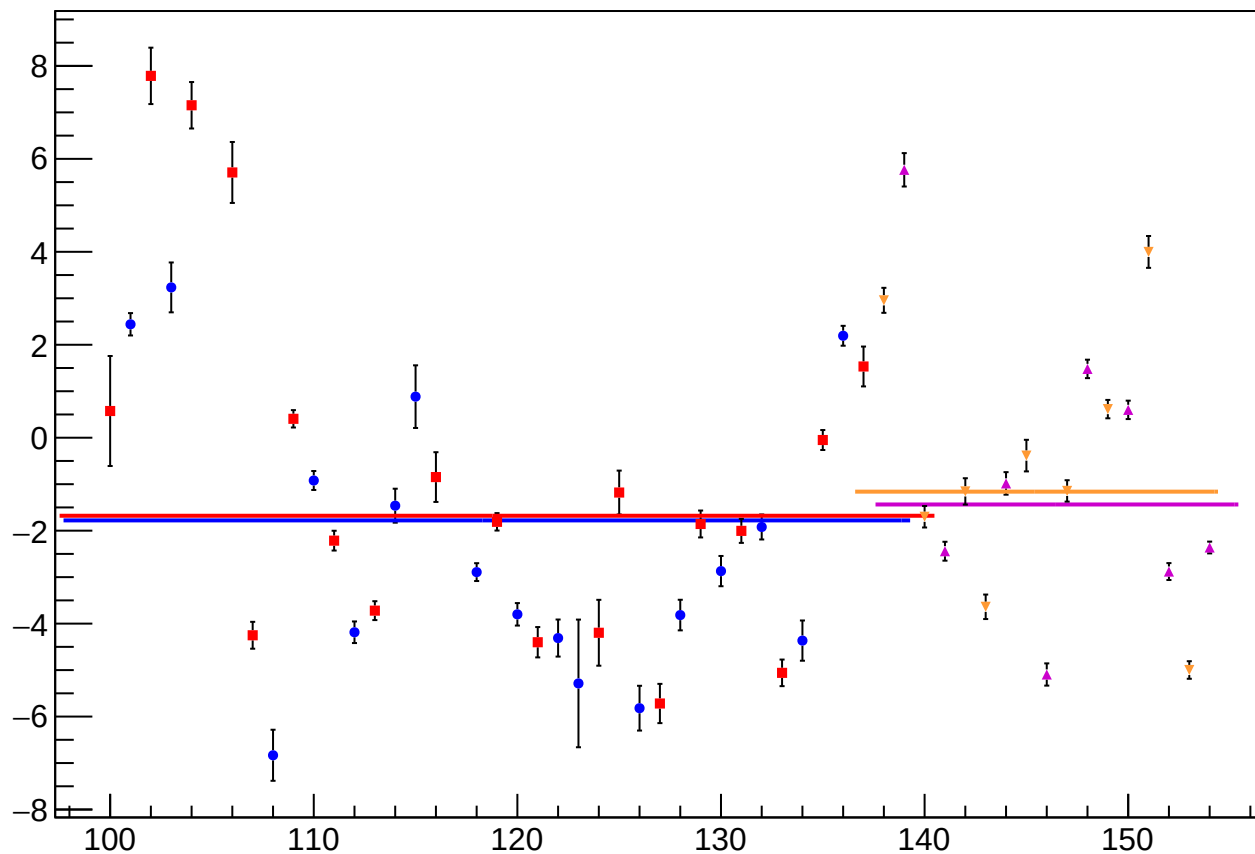
Right: -2.501 ± 0.077 χ^2/NDF : 1283.3/35

In: 12.705 ± 0.066 χ^2/NDF : 56286.3/24

Out: 11.968 ± 0.070 χ^2/NDF : 80852.8/27

All: 12.360 ± 0.048 χ^2/NDF : 137197.7/52

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.779 ± 0.072 χ^2/NDF : 1272.1/16

Left Out: -1.160 ± 0.082 χ^2/NDF : 1052.8/8

Right Out: -1.679 ± 0.068 χ^2/NDF : 1429.6/18

Left In: -1.437 ± 0.069 χ^2/NDF : 1101.3/7

Left: -1.322 ± 0.053 χ^2/NDF : 2160.7/16

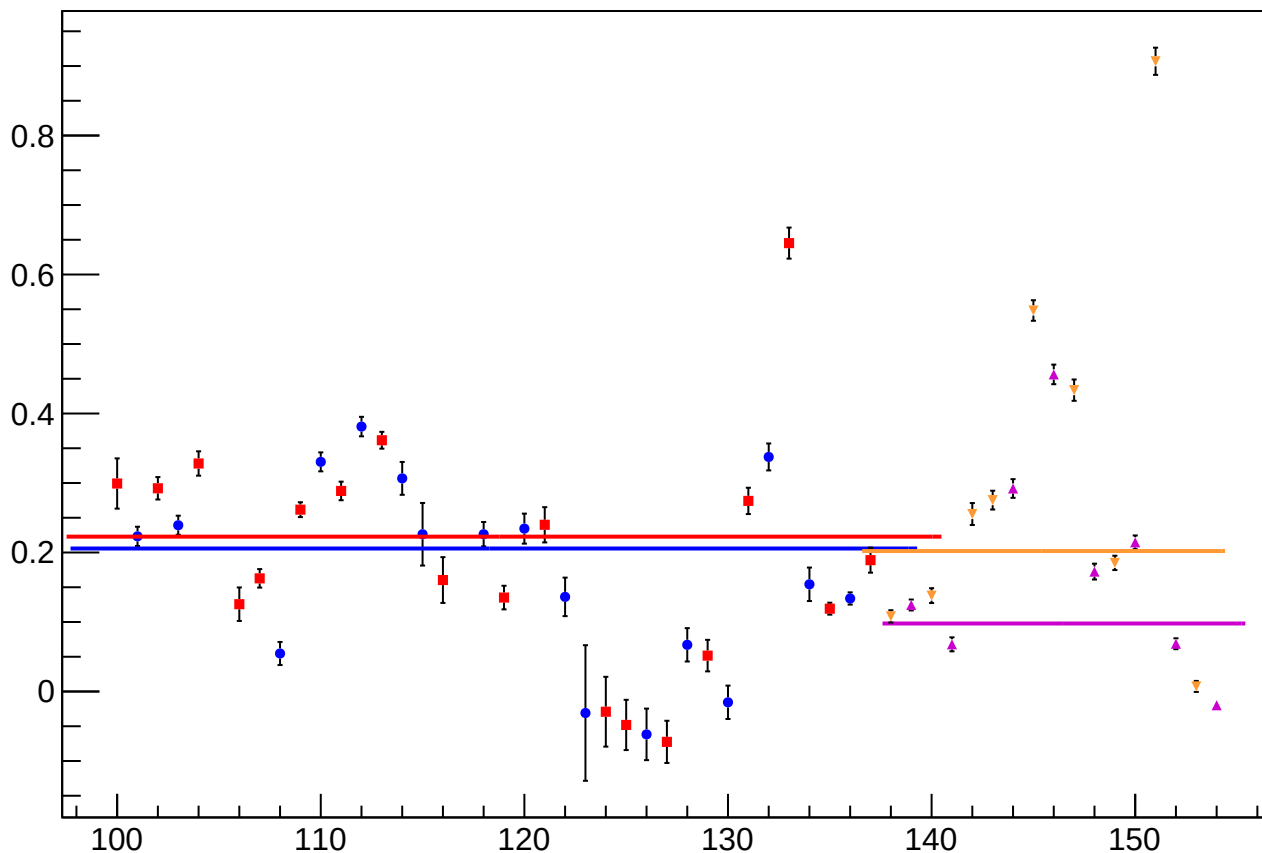
Right: -1.726 ± 0.050 χ^2/NDF : 2702.6/35

In: -1.600 ± 0.050 χ^2/NDF : 2385.1/24

Out: -1.467 ± 0.052 χ^2/NDF : 2506.1/27

All: -1.537 ± 0.036 χ^2/NDF : 4894.5/52

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.206 $\pm$ 0.004 χ^2 /NDF: 651.8/16

Left Out: 0.202 $\pm$ 0.004 χ^2 /NDF: 2867.1/8

Right Out: 0.223 $\pm$ 0.004 χ^2 /NDF: 1042.2/18

Left In: 0.098 $\pm$ 0.003 χ^2 /NDF: 1577.6/7

Left: 0.138 $\pm$ 0.002 χ^2 /NDF: 4895.5/16

Right: 0.215 $\pm$ 0.003 χ^2 /NDF: 1702.9/35

In: 0.135 $\pm$ 0.002 χ^2 /NDF: 2653.6/24

Out: 0.212 $\pm$ 0.003 χ^2 /NDF: 3923.9/27

All: 0.170 $\pm$ 0.002 χ^2 /NDF: 7027.0/52