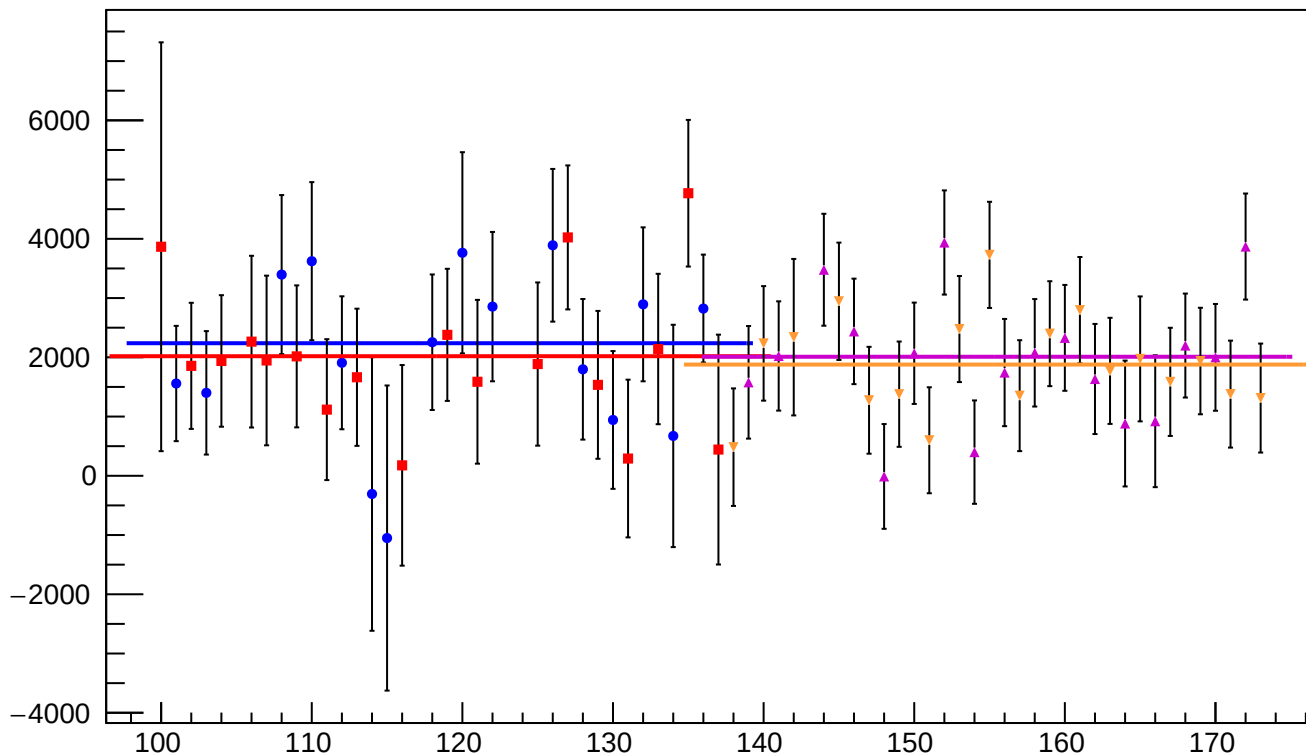


dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2237.929+/-314.642

Left Out: 1877.783+/-220.499

Right Out: 2018.625+/-308.362

Left In: 2009.251+/-222.309

χ^2/NDF : 11.3/15

χ^2/NDF :13.4/17

χ^2/NDF : 12.6/17

χ^2/NDF :23.1/16

Left: 1942.979+/-156.552

Right: 2126.067+/-220.232

In: 2085.397+/-181.563

Out: 1925.433+/-179.361

All: 2004.439+/-127.599

χ^2/NDF : 36.7/34

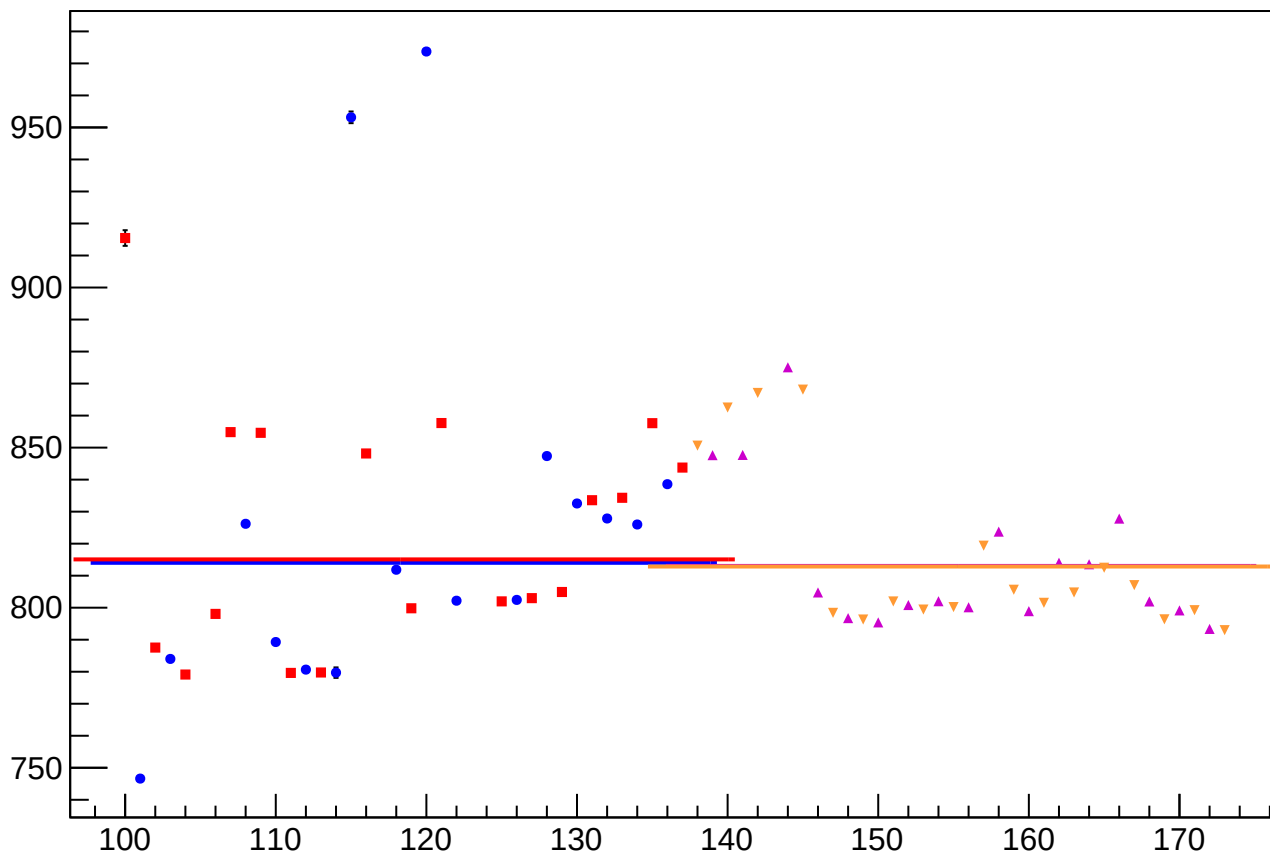
χ^2/NDF : 24.1/33

χ^2/NDF :34.8/32

χ^2/NDF :26.2/35

χ^2/NDF : 61.3/68

dit_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 812.859 $\pm$ 0.156 χ^2 /NDF:22983.7/17

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

Left In: 813.044 $\pm$ 0.157 χ^2 /NDF:19815.3/16

Left: 812.951 $\pm$ 0.111 χ^2 /NDF: 42799.7/34

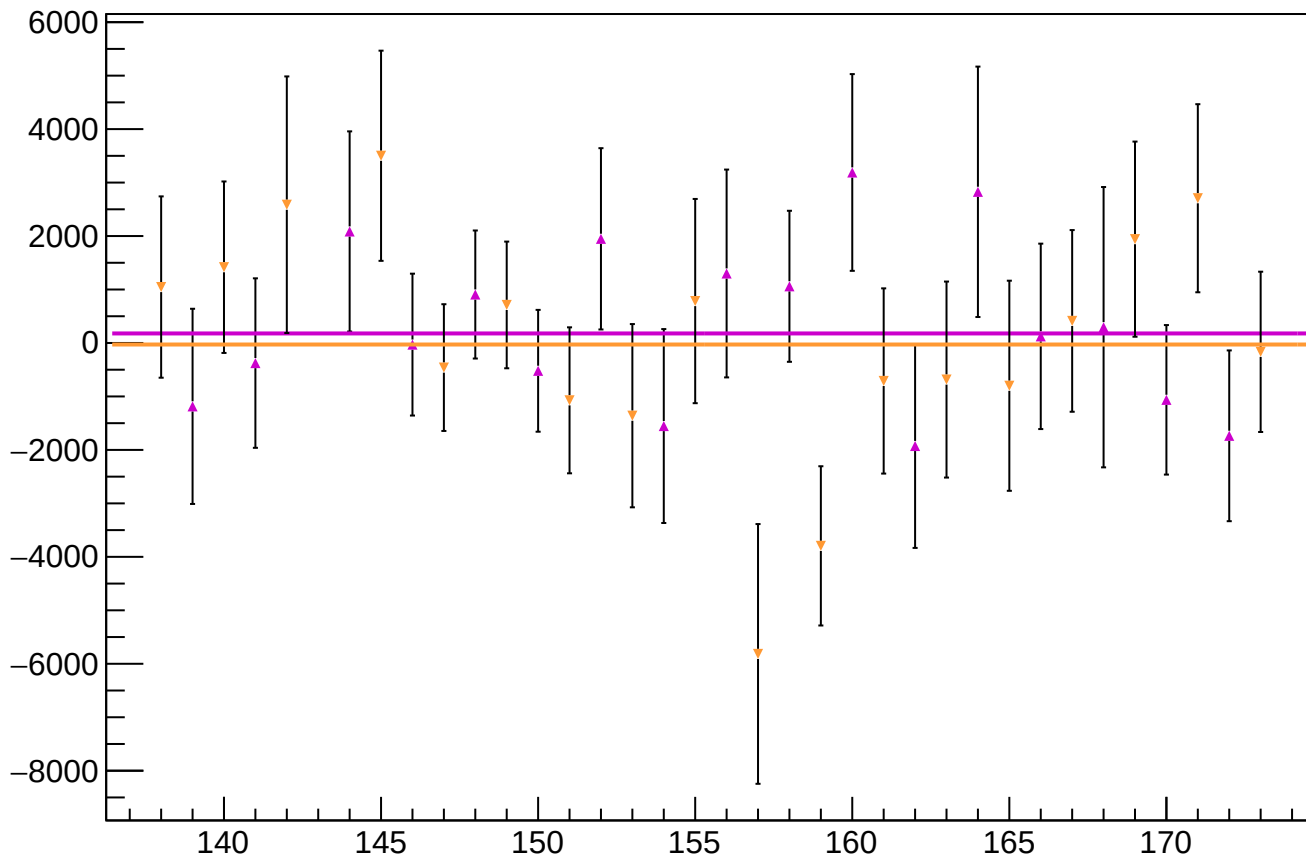
Right: 814.563 $\pm$ 0.156 χ^2 /NDF: 62012.6/33

In: 813.369 $\pm$ 0.128 χ^2 /NDF:61869.8/32

Out: 813.612 $\pm$ 0.127 χ^2 /NDF:43011.9/35

All: 813.492 $\pm$ 0.090 χ^2 /NDF: 104883.5/68

asym_us_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -28.731+/-387.193 χ^2/NDF : 23.7/17

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

Left In: 178.293+/-390.065 χ^2/NDF : 12.6/16

Left: 74.016+/-274.797 χ^2/NDF : 36.5/34

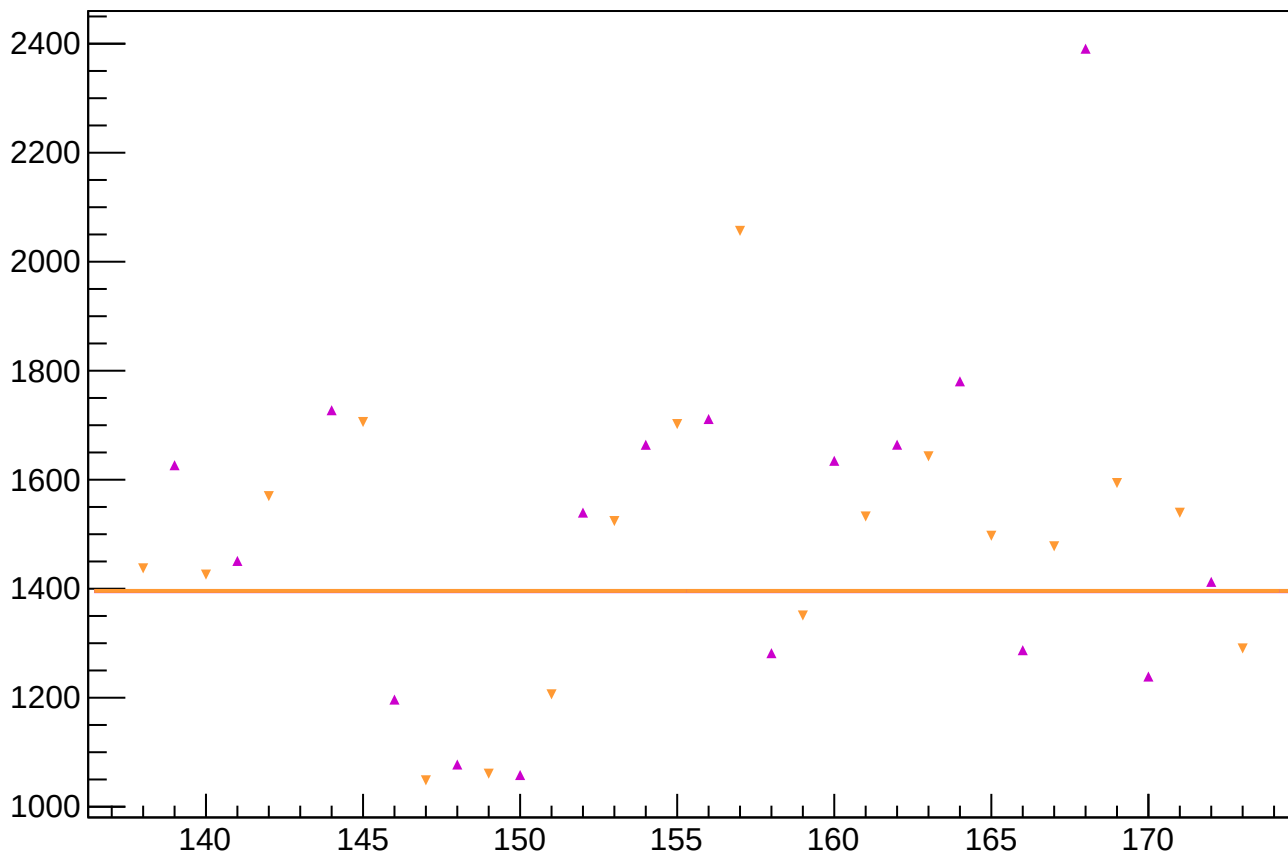
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 178.293+/-390.065 χ^2/NDF : 12.6/16

Out: -28.731+/-387.193 χ^2/NDF : 23.7/17

All: 74.016+/-274.797 χ^2/NDF : 36.5/34

asym_us_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1395.940+/-0.274 χ^2/NDF : 750754.3/17

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

Left In: 1395.551+/-0.276 χ^2/NDF : 1032071.2/16

Left: 1395.747+/-0.194 χ^2/NDF : 1782826.5/34

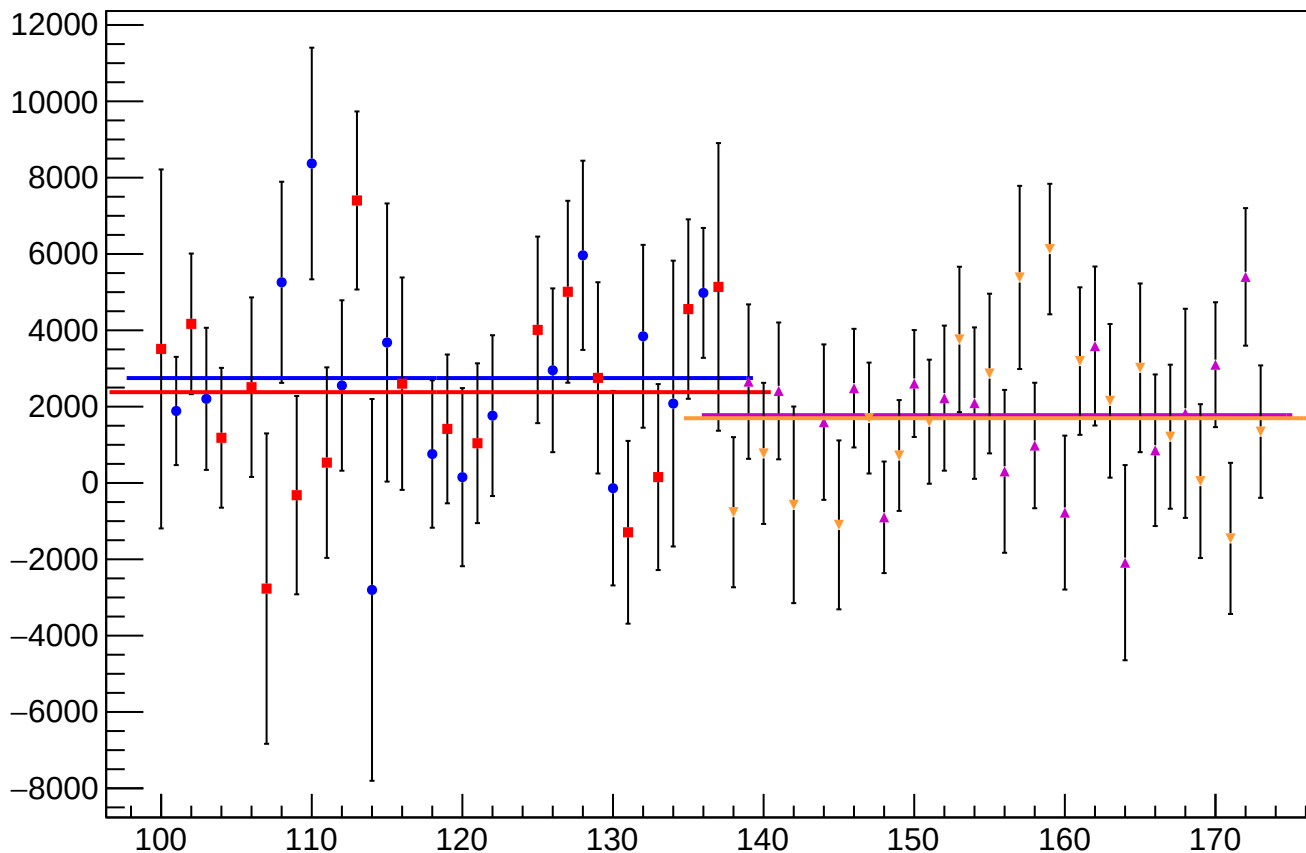
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1395.551+/-0.276 χ^2/NDF : 1032071.2/16

Out: 1395.940+/-0.274 χ^2/NDF : 750754.3/17

All: 1395.747+/-0.194 χ^2/NDF : 1782826.5/34

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1696.762 $\pm$ 443.425 χ^2 /NDF:19.5/17

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

Left In: 1776.711 $\pm$ 446.933 χ^2 /NDF:14.6/16

Left: 1736.421 $\pm$ 314.782 χ^2 /NDF: 34.1/34

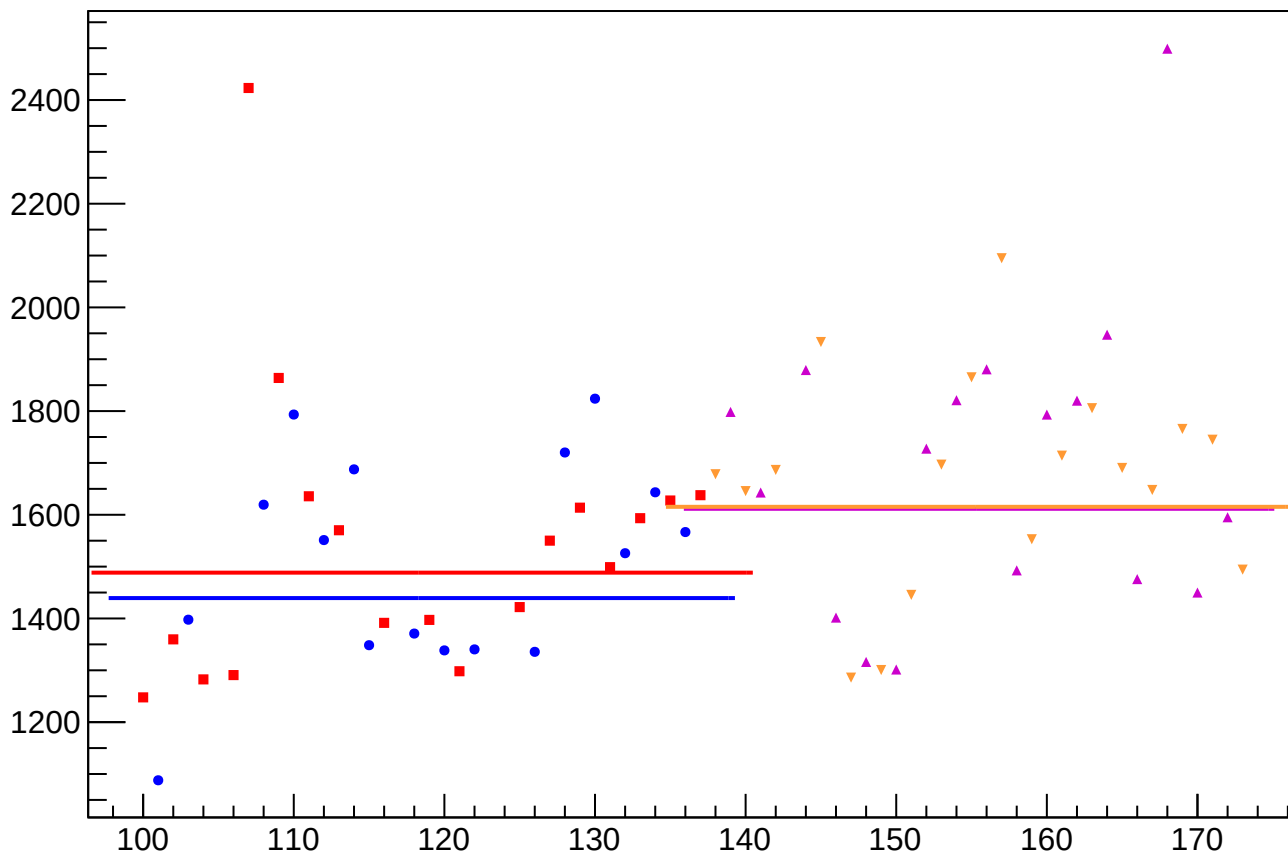
Right: 2566.079 $\pm$ 400.174 χ^2 /NDF: 30.0/33

In: 2152.531 $\pm$ 350.031 χ^2 /NDF:30.0/32

Out: 1954.731 $\pm$ 349.752 χ^2 /NDF:36.6/35

All: 2053.552 $\pm$ 247.411 χ^2 /NDF: 66.8/68

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1439.332+/-0.398 χ^2/NDF : 277860.8/15

Left Out: 1615.347+/-0.314 χ^2/NDF : 434092.4/17

Right Out: 1488.384+/-0.402 χ^2/NDF : 256324.7/17

Left In: 1611.525+/-0.316 χ^2/NDF : 649933.4/16

Left: 1613.451+/-0.223 χ^2/NDF : 1084099.5/34

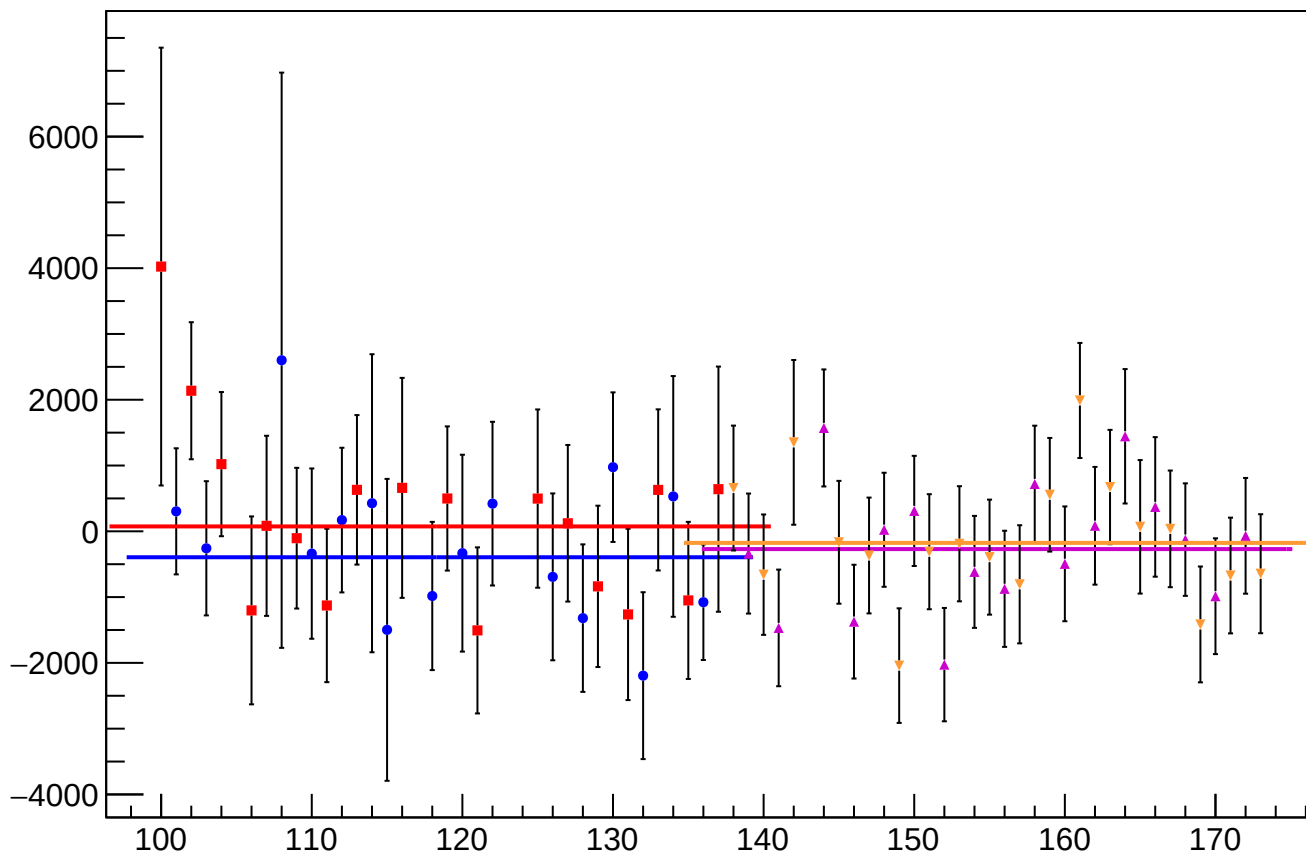
Right: 1463.597+/-0.283 χ^2/NDF : 541697.1/33

In: 1544.952+/-0.248 χ^2/NDF : 1042573.3/32

Out: 1567.371+/-0.247 χ^2/NDF : 752373.8/35

All: 1556.170+/-0.175 χ^2/NDF : 1799052.5/68

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -394.364 ± 313.174 χ^2/NDF : 7.4/15

Left Out: -176.025 ± 213.784 χ^2/NDF : 18.2/17

Right Out: 74.289 ± 298.398 χ^2/NDF : 12.9/17

Left In: -270.251 ± 215.788 χ^2/NDF : 18.5/16

Left: -222.698 ± 151.872 χ^2/NDF : 36.9/34

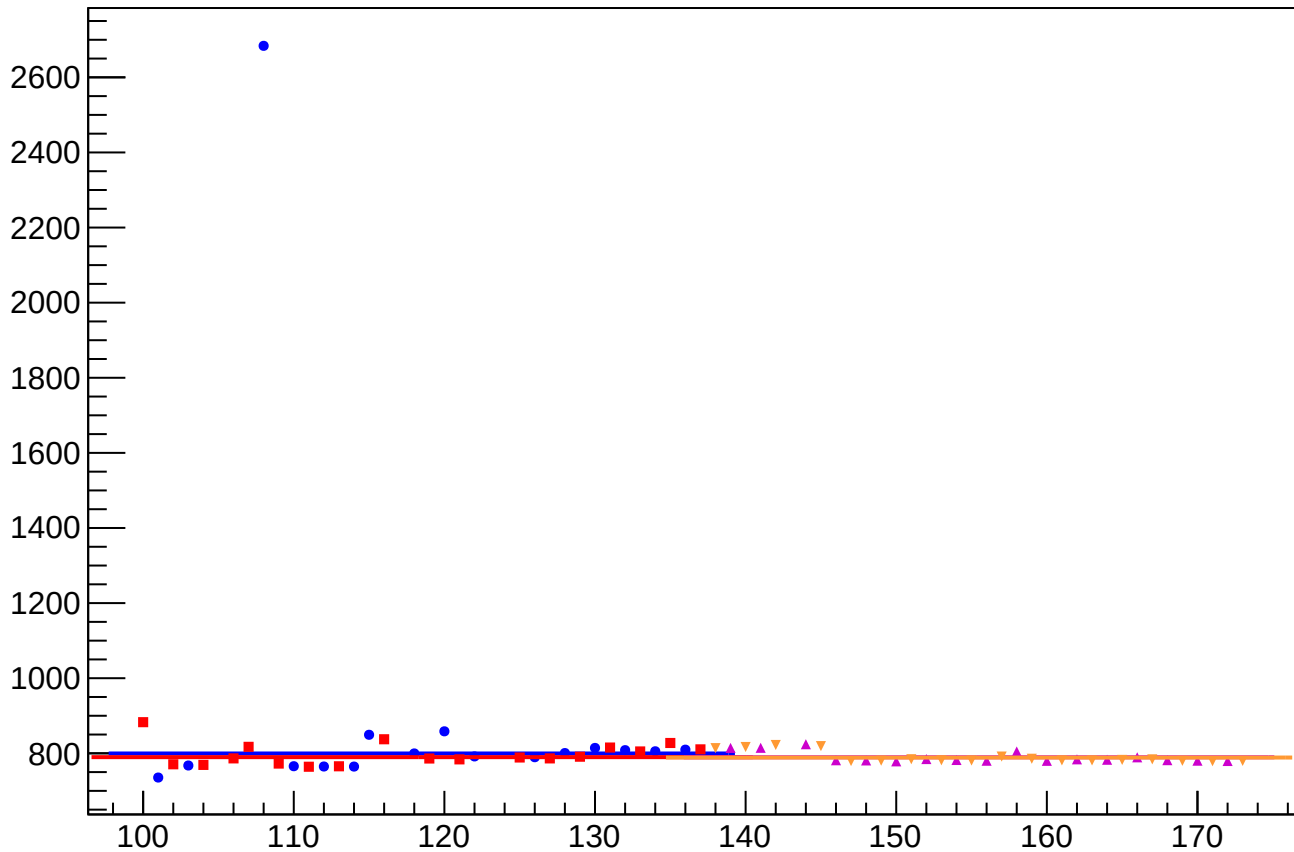
Right: -148.721 ± 216.034 χ^2/NDF : 21.5/33

In: -310.206 ± 177.691 χ^2/NDF : 26.0/32

Out: -91.122 ± 173.786 χ^2/NDF : 31.6/35

All: -198.230 ± 124.243 χ^2/NDF : 58.5/68

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 788.757 $\pm$ 0.151 χ^2 /NDF: 8712.2/17

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

Left In: 789.471 $\pm$ 0.153 χ^2 /NDF: 8890.4/16

Left: 789.111 $\pm$ 0.107 χ^2 /NDF: 17613.7/34

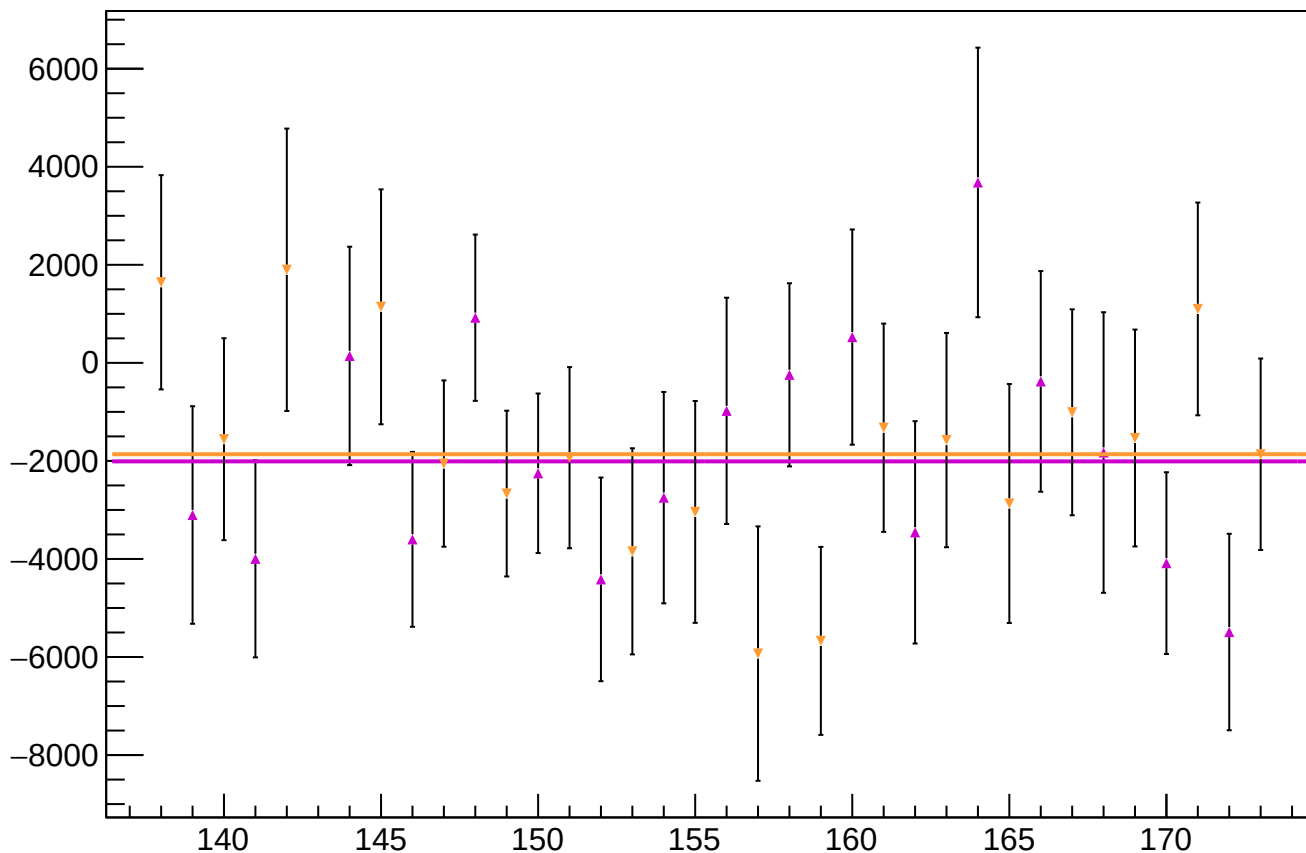
Right: 794.430 $\pm$ 0.153 χ^2 /NDF: 403375.5/33

In: 792.711 $\pm$ 0.126 χ^2 /NDF: 401477.5/32

Out: 789.109 $\pm$ 0.123 χ^2 /NDF: 19903.1/35

All: 790.870 $\pm$ 0.088 χ^2 /NDF: 421800.8/68

asym_us_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -1863.500+/-495.224 χ^2/NDF :16.0/17

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

Left In: -2009.405+/-499.553 χ^2/NDF :19.3/16

Left: -1935.818+/-351.697 χ^2/NDF : 35.4/34

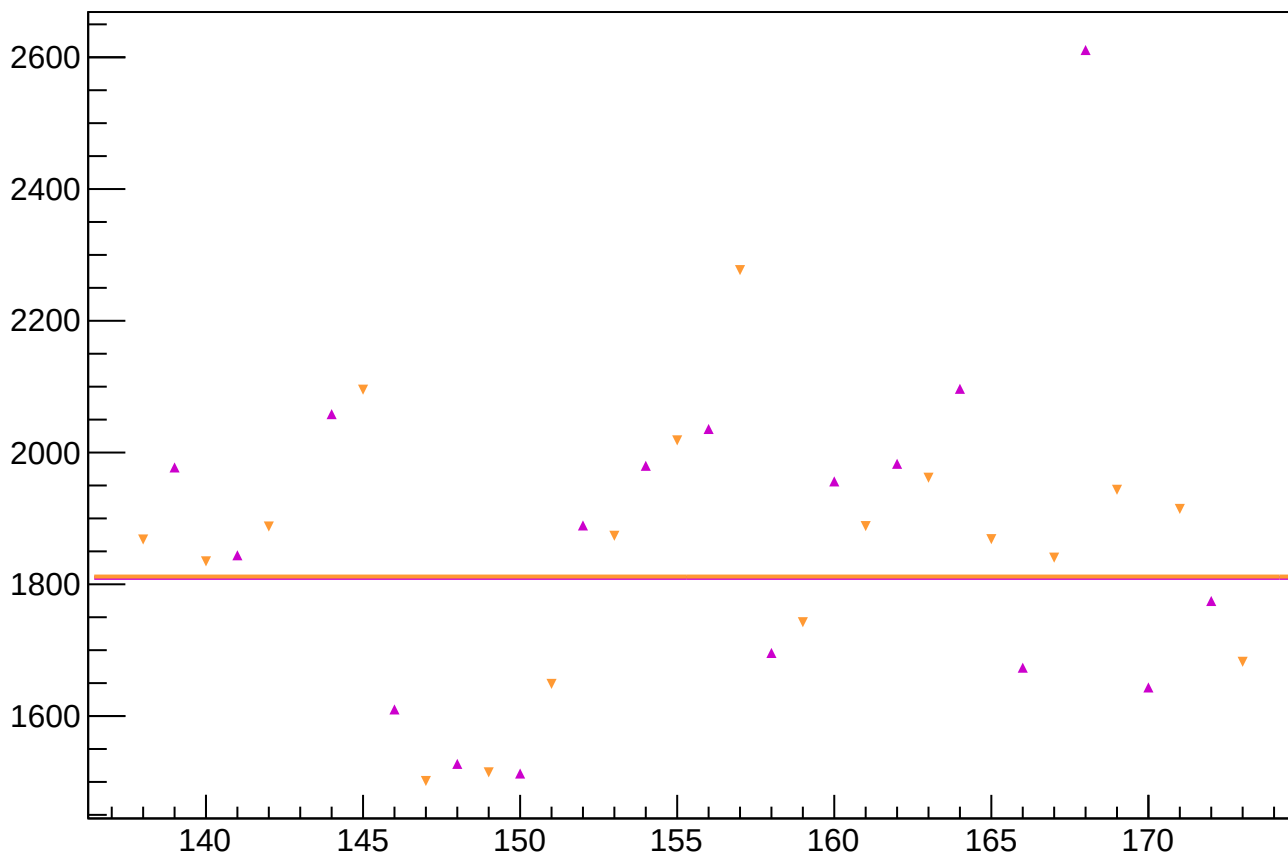
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -2009.405+/-499.553 χ^2/NDF :19.3/16

Out: -1863.500+/-495.224 χ^2/NDF :16.0/17

All: -1935.818+/-351.697 χ^2/NDF : 35.4/34

asym_us_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1811.750+/-0.350 χ^2/NDF :294475.4/17

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

Left In: 1809.802+/-0.353 χ^2/NDF :449295.2/16

Left: 1810.785+/-0.249 χ^2/NDF : 743785.9/34

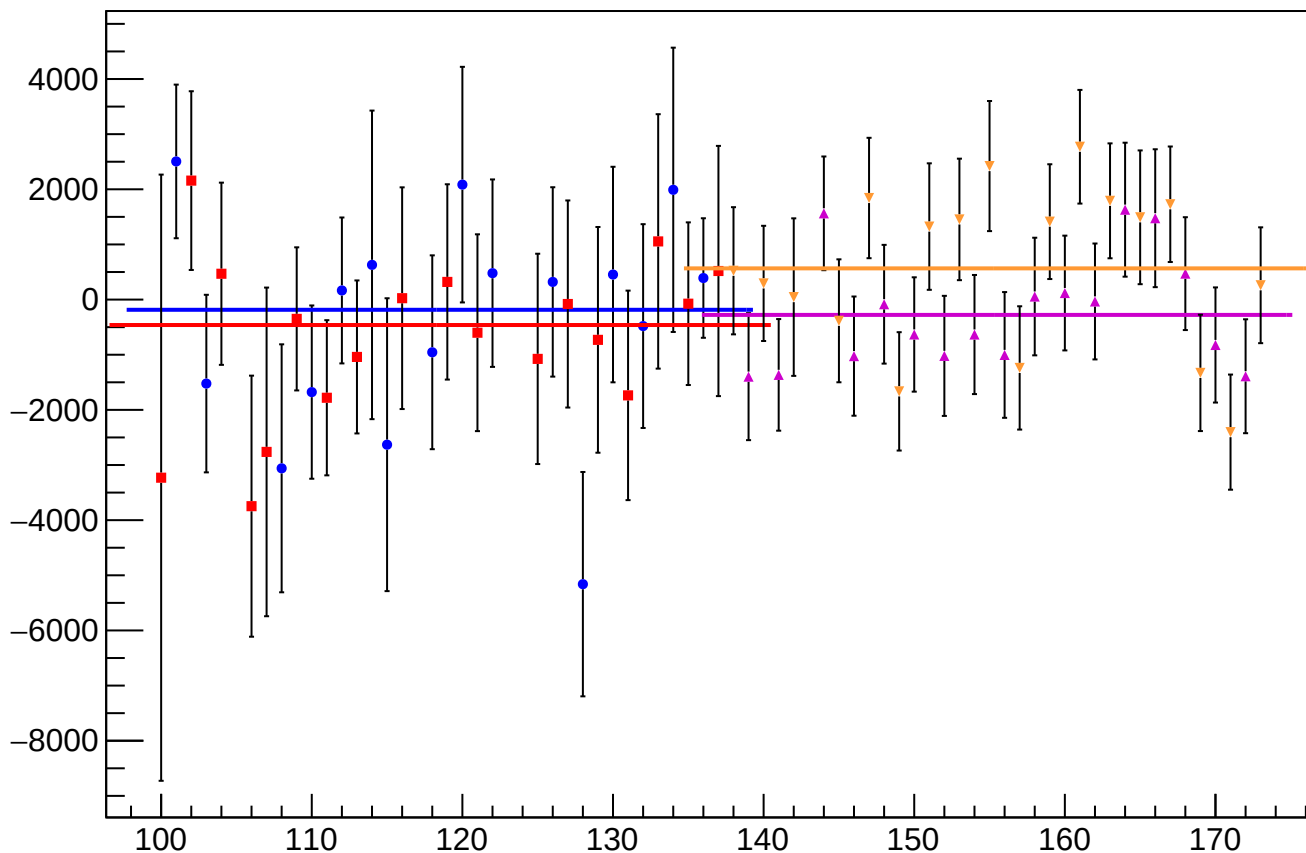
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1809.802+/-0.353 χ^2/NDF :449295.2/16

Out: 1811.750+/-0.350 χ^2/NDF :294475.4/17

All: 1810.785+/-0.249 χ^2/NDF : 743785.9/34

asym_us_dd_mean vs Slug, Sign Corrected



Right In: -185.054 $\pm$ 431.495 χ^2 /NDF: 16.6/15

Left Out: 566.046 $\pm$ 259.304 χ^2 /NDF:32.6/17

Right Out: -461.253 $\pm$ 426.921 χ^2 /NDF: 8.3/17

Left In: -277.833 $\pm$ 261.485 χ^2 /NDF:13.6/16

Left: 147.641 $\pm$ 184.122 χ^2 /NDF: 51.5/34

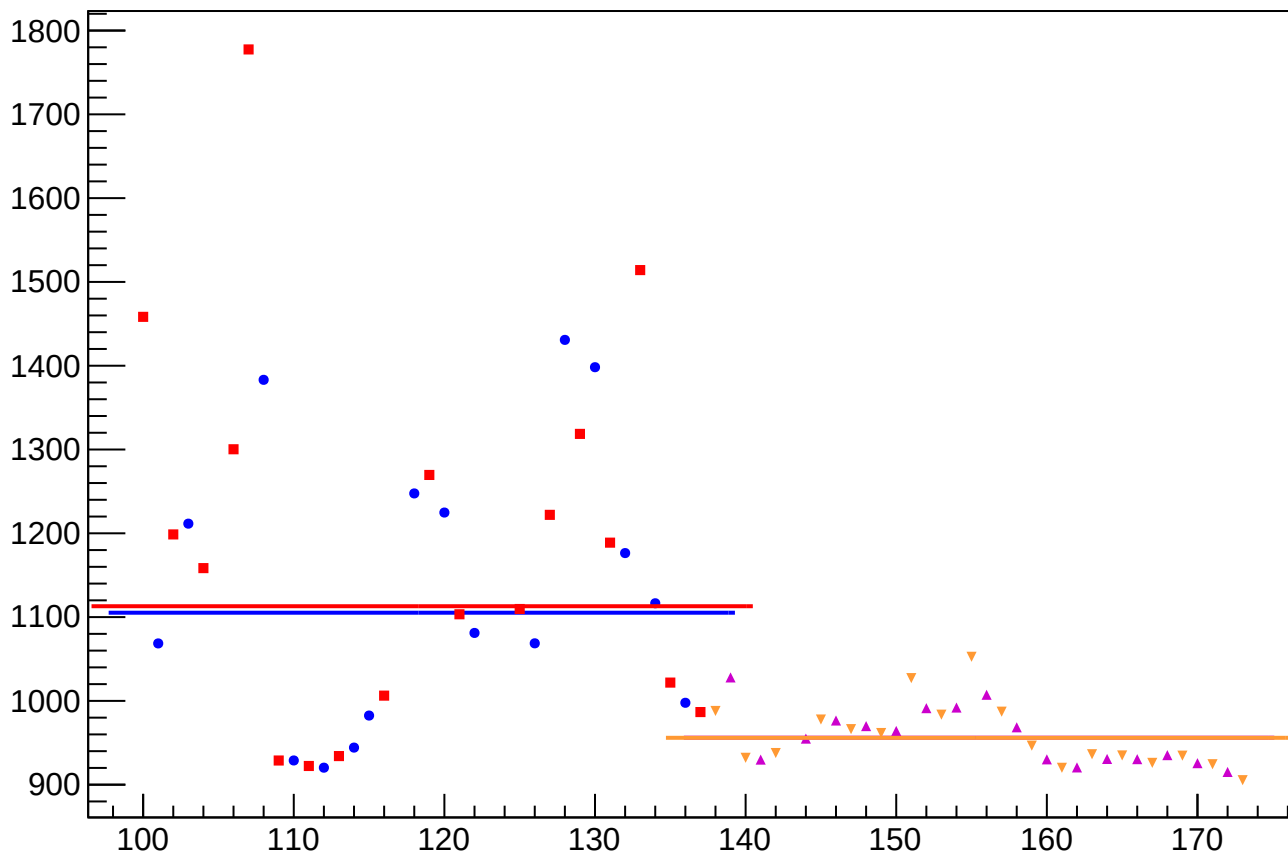
Right: -324.625 $\pm$ 303.483 χ^2 /NDF: 25.2/33

In: -252.913 $\pm$ 223.628 χ^2 /NDF:30.3/32

Out: 289.196 $\pm$ 221.627 χ^2 /NDF:45.2/35

All: 20.578 $\pm$ 157.416 χ^2 /NDF: 78.4/68

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1105.236 $\pm$ 0.305 χ^2 /NDF: 255366.2/15

Left Out: 955.943 $\pm$ 0.183 χ^2 /NDF: 40662.4/17

Right Out: 1112.974 $\pm$ 0.302 χ^2 /NDF: 362995.4/17

Left In: 956.083 $\pm$ 0.185 χ^2 /NDF: 29816.7/16

Left: 956.012 $\pm$ 0.130 χ^2 /NDF: 70479.4/34

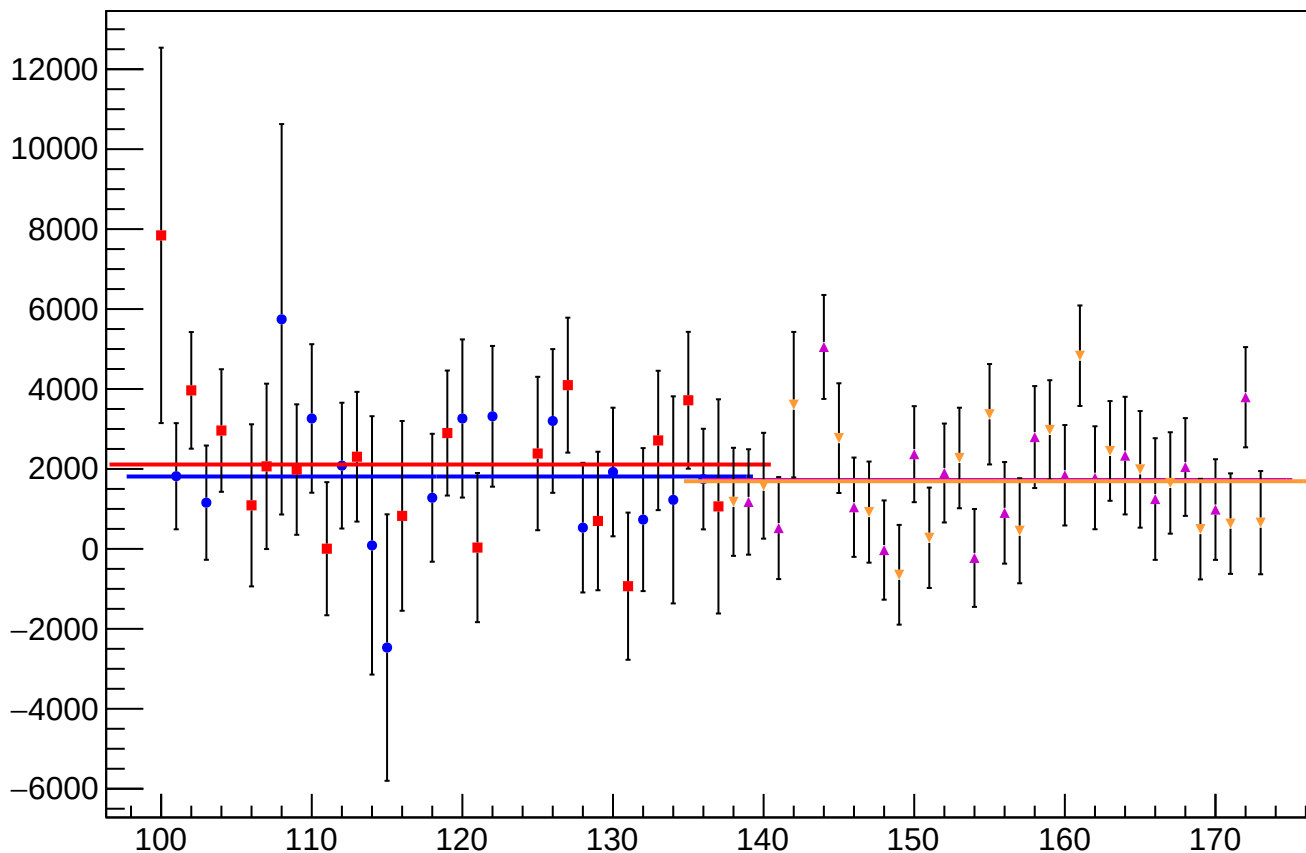
Right: 1109.146 $\pm$ 0.215 χ^2 /NDF: 618686.6/33

In: 996.145 $\pm$ 0.158 χ^2 /NDF: 459965.1/32

Out: 998.262 $\pm$ 0.157 χ^2 /NDF: 601323.1/35

All: 997.213 $\pm$ 0.111 χ^2 /NDF: 1061378.6/68

dit_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1692.584 $\pm$ 307.487 χ^2/NDF : 19.9/17

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

Left In: 1723.492 $\pm$ 310.198 χ^2/NDF : 17.3/16

Left: 1707.902 $\pm$ 218.378 χ^2/NDF : 37.2/34

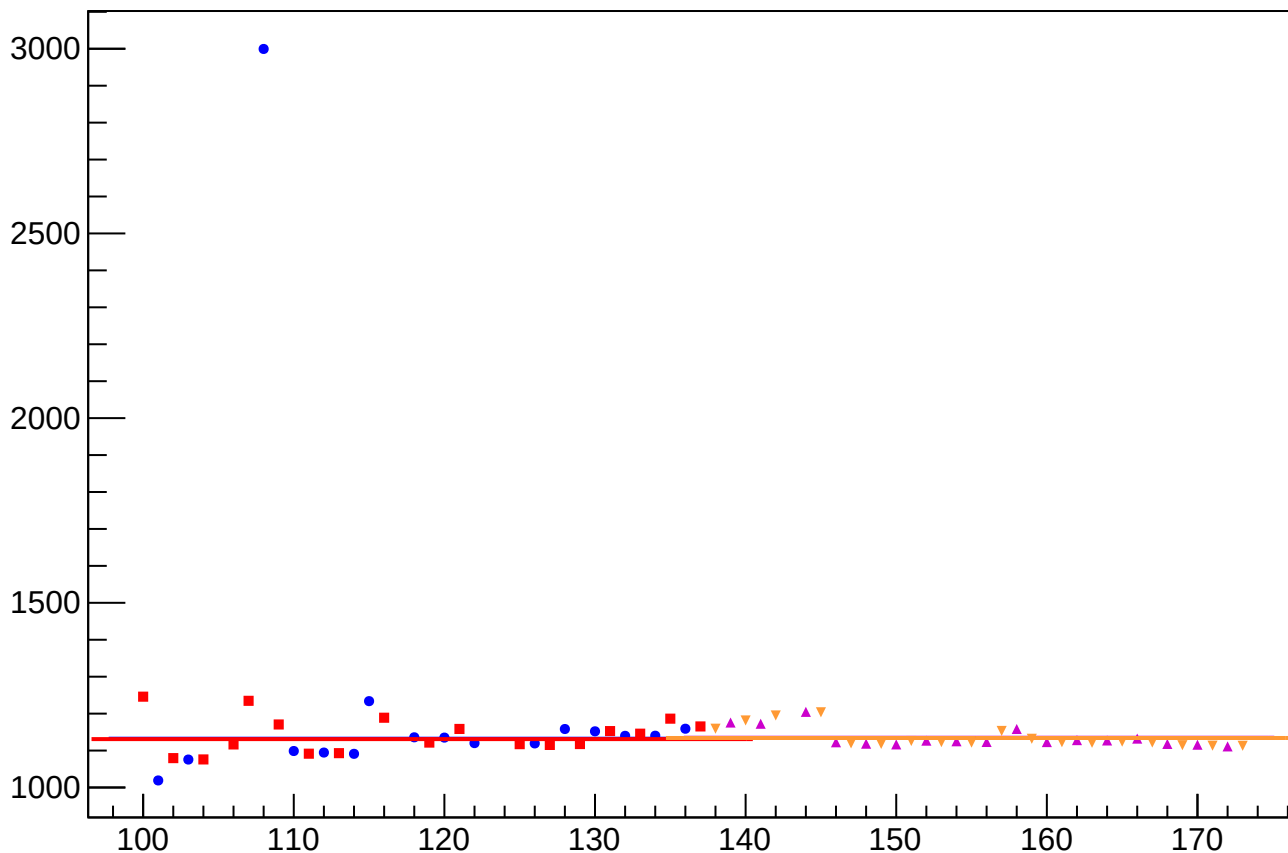
Right: 1966.016 $\pm$ 307.400 χ^2/NDF : 19.7/33

In: 1752.375 $\pm$ 253.935 χ^2/NDF : 23.8/32

Out: 1835.168 $\pm$ 249.658 χ^2/NDF : 33.6/35

All: 1794.475 $\pm$ 178.028 χ^2/NDF : 57.4/68

dit_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1134.039+/-0.217 χ^2/NDF : 14339.1/17

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

Left In: 1134.705+/-0.219 χ^2/NDF : 13368.3/16

Left: 1134.369+/-0.154 χ^2/NDF : 27712.0/34

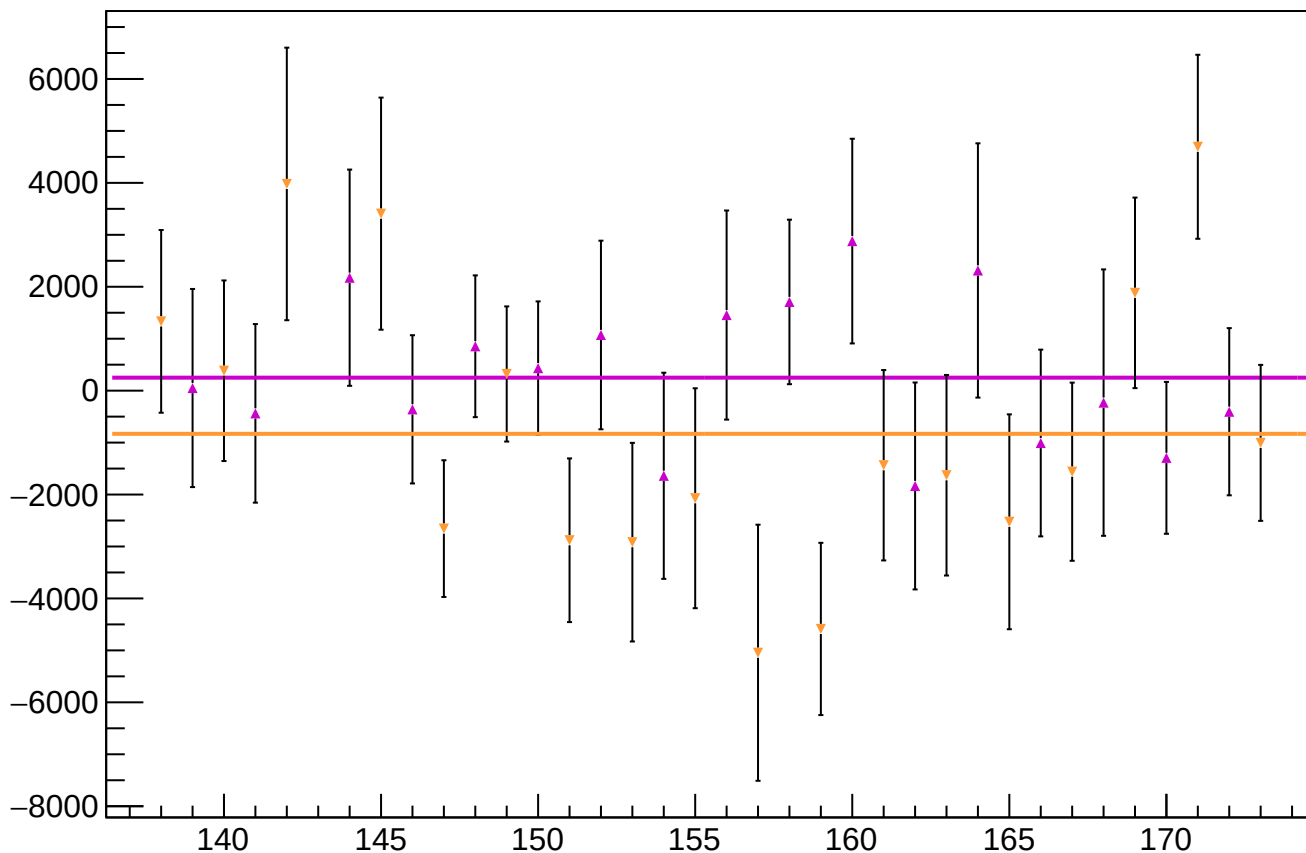
Right: 1131.528+/-0.217 χ^2/NDF : 335751.3/33

In: 1133.837+/-0.180 χ^2/NDF : 329442.0/32

Out: 1133.009+/-0.177 χ^2/NDF : 34124.1/35

All: 1133.416+/-0.126 χ^2/NDF : 363576.9/68

asym_usl_correction_mean vs Slug, Sign Corrected



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

Left Out: -831.471+/-415.382 χ^2/NDF :36.0/17

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

Left In: 250.032+/-419.836 χ^2/NDF :9.1/16

Left: -296.486+/-295.282 χ^2/NDF : 48.5/34

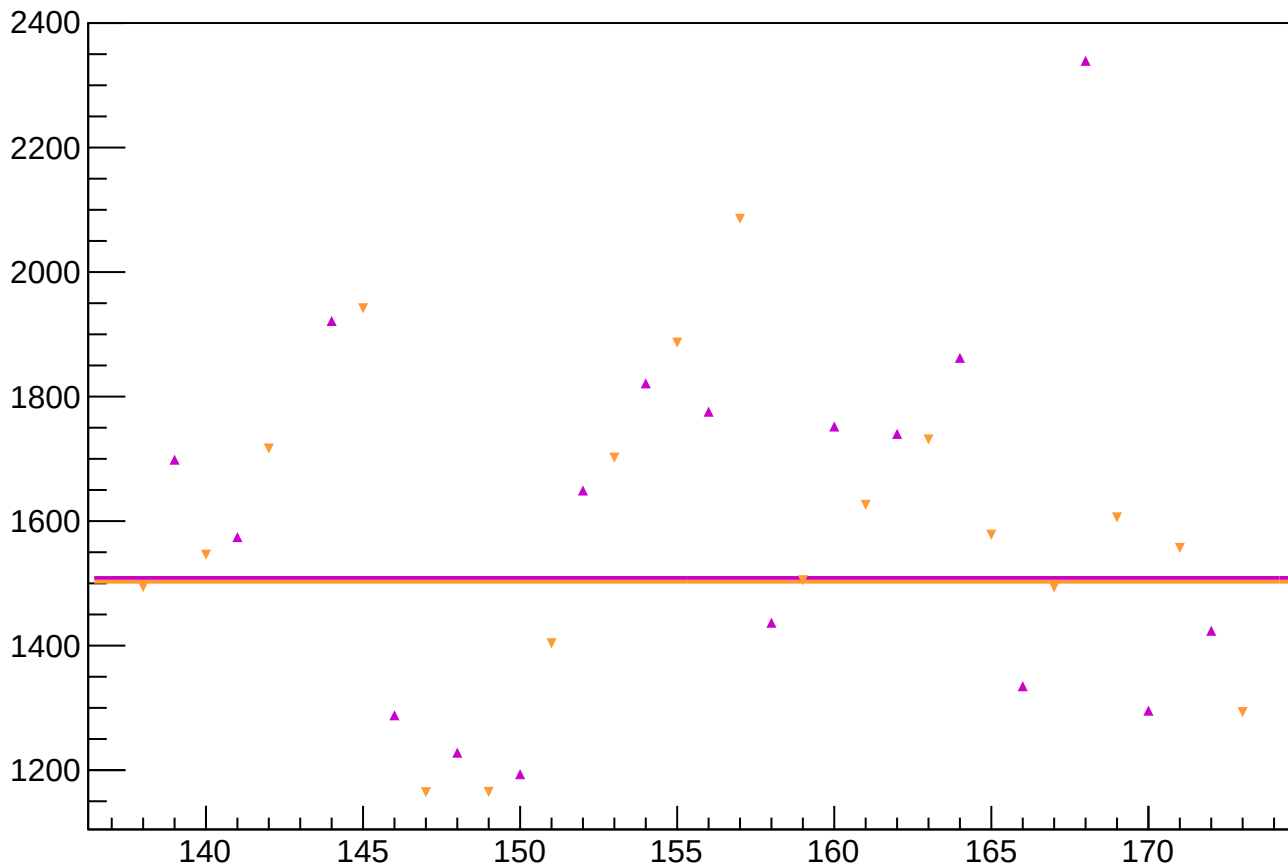
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 250.032+/-419.836 χ^2/NDF :9.1/16

Out: -831.471+/-415.382 χ^2/NDF :36.0/17

All: -296.486+/-295.282 χ^2/NDF : 48.5/34

asym_usl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1502.769+/-0.294 χ^2/NDF : 652836.7/17

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

Left In: 1508.560+/-0.297 χ^2/NDF : 830901.2/16

Left: 1505.633+/-0.209 χ^2/NDF : 1483930.2/34

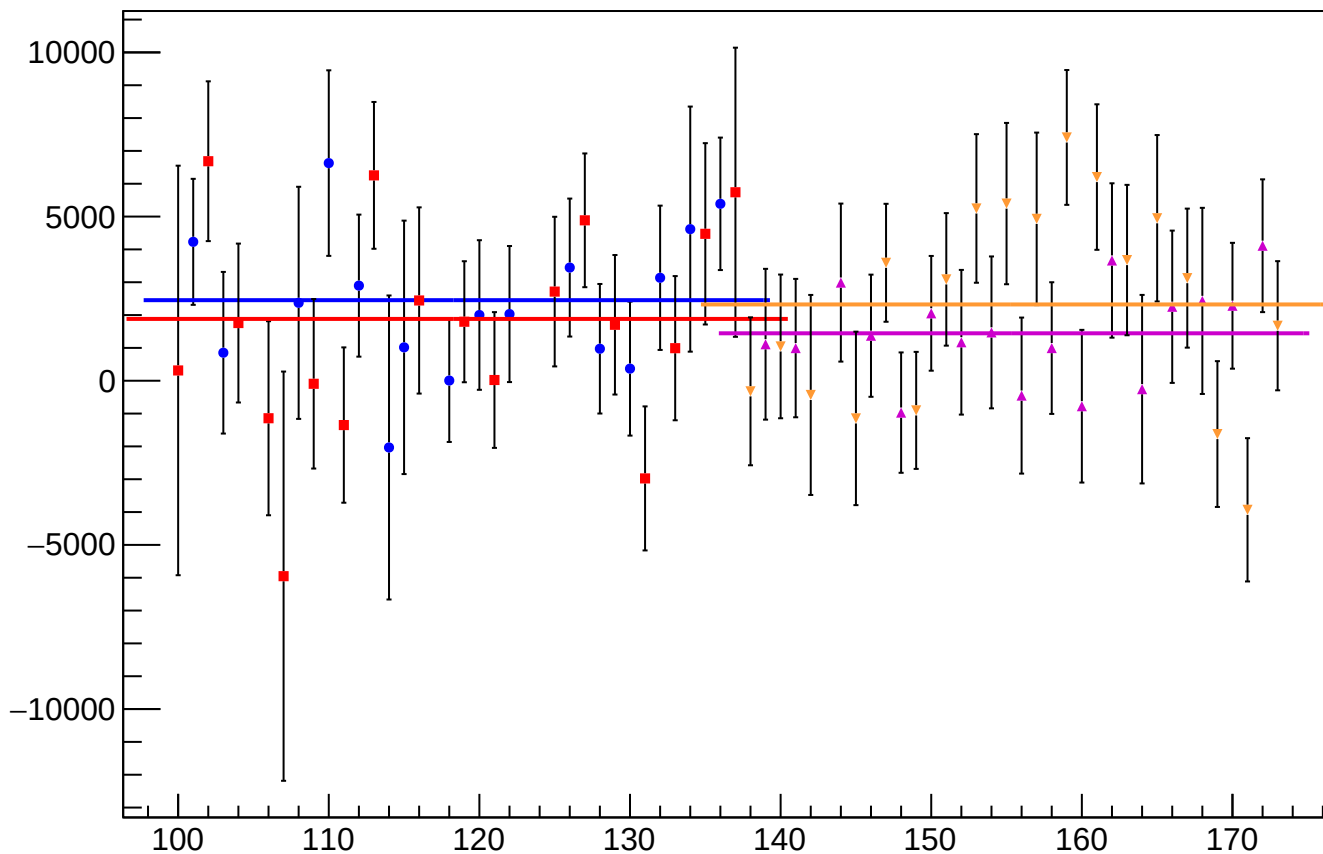
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1508.560+/-0.297 χ^2/NDF : 830901.2/16

Out: 1502.769+/-0.294 χ^2/NDF : 652836.7/17

All: 1505.633+/-0.209 χ^2/NDF : 1483930.2/34

asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 2323.566 $\pm$ 518.856 χ^2 /NDF:34.7/17

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

Left In: 1444.753 $\pm$ 524.531 χ^2 /NDF:7.4/16

Left: 1888.939 $\pm$ 368.877 χ^2 /NDF: 43.4/34

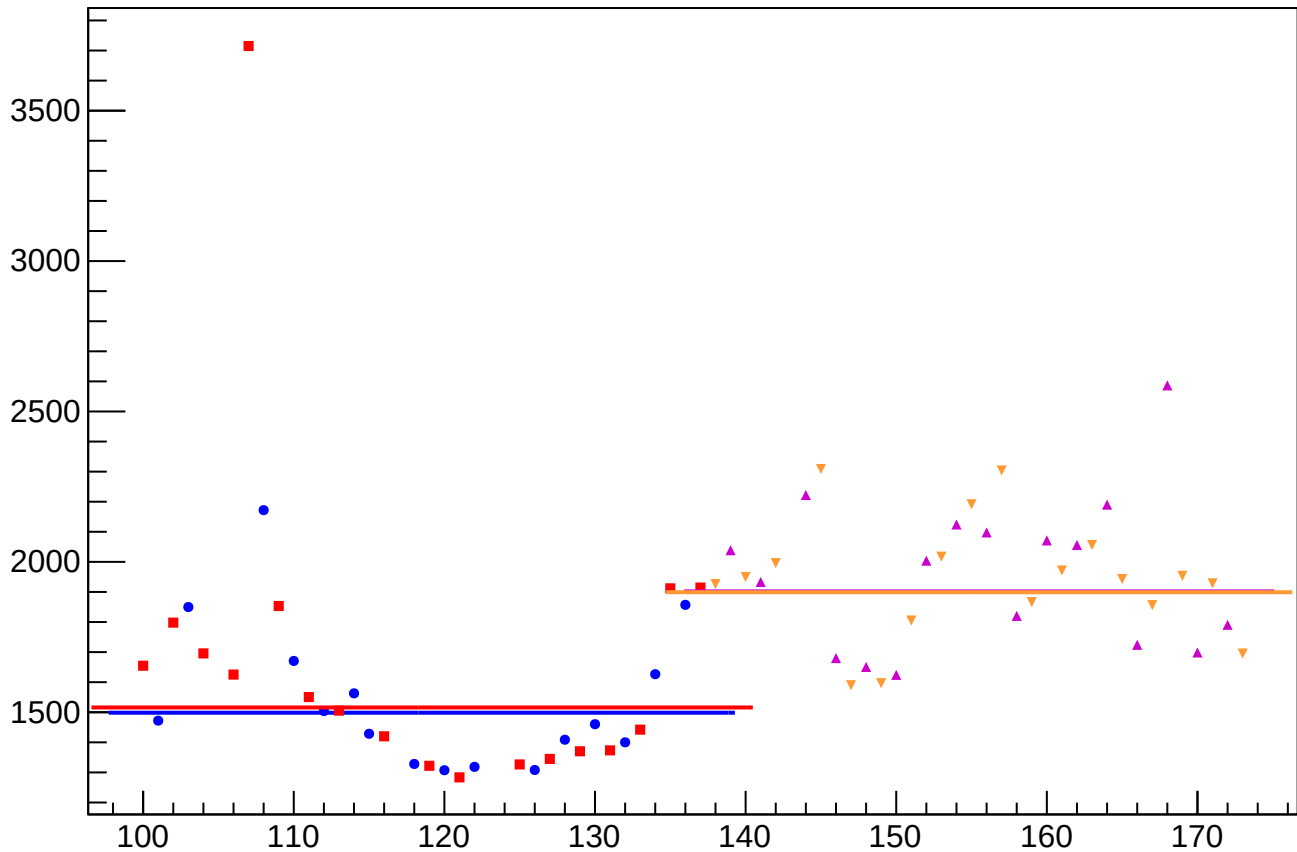
Right: 2167.665 $\pm$ 412.771 χ^2 /NDF: 34.0/33

In: 1894.980 $\pm$ 390.327 χ^2 /NDF:19.8/32

Out: 2128.806 $\pm$ 387.644 χ^2 /NDF:57.7/35

All: 2012.699 $\pm$ 275.049 χ^2 /NDF: 77.7/68

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1898.995 $\pm$ 0.367 χ^2 /NDF: 290461.5/17

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

Left In: 1901.827 $\pm$ 0.371 χ^2 /NDF: 395506.0/16

Left: 1900.396 $\pm$ 0.261 χ^2 /NDF: 685997.0/34

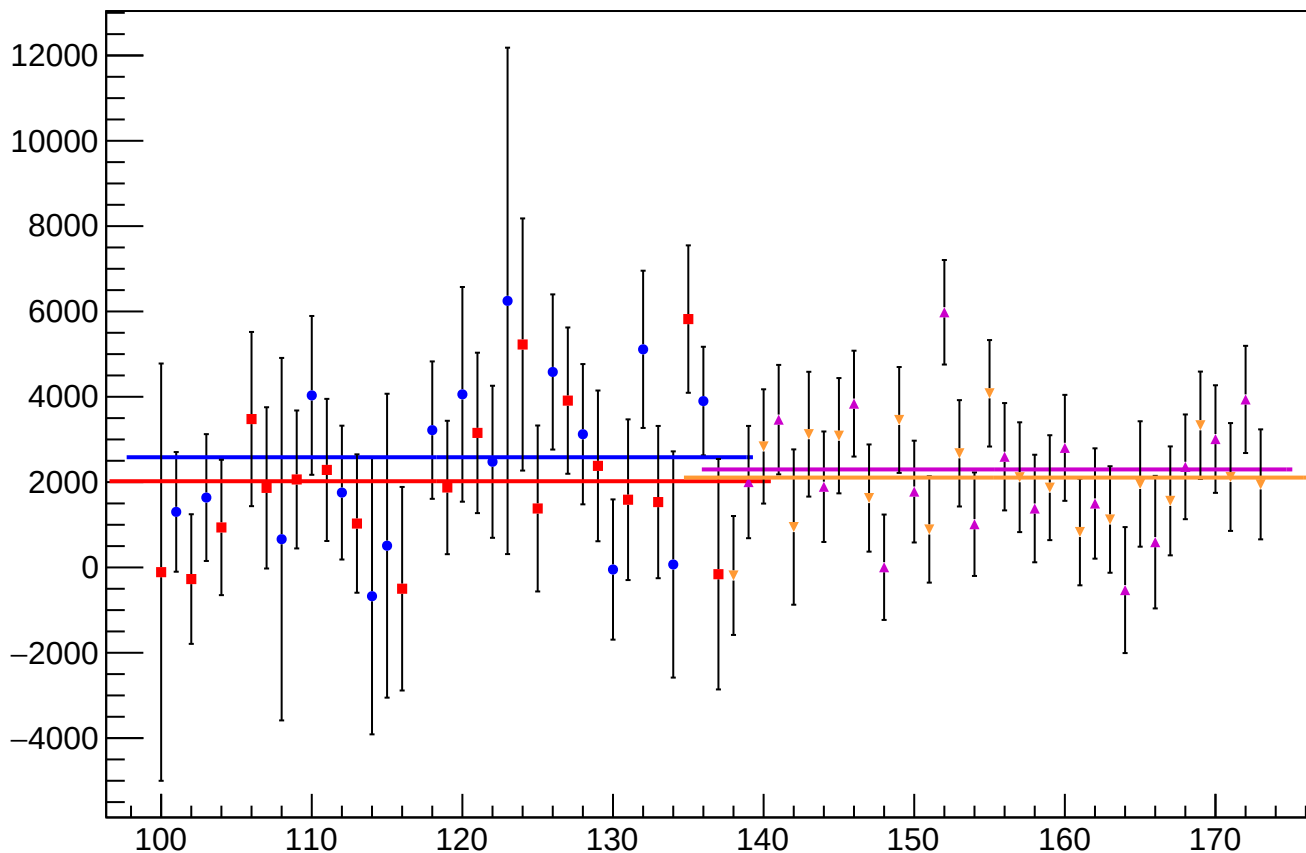
Right: 1507.233 $\pm$ 0.292 χ^2 /NDF: 740243.9/33

In: 1721.837 $\pm$ 0.276 χ^2 /NDF: 1182043.2/32

Out: 1729.757 $\pm$ 0.274 χ^2 /NDF: 1252605.0/35

All: 1725.824 $\pm$ 0.194 χ^2 /NDF: 2435062.8/68

dit_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2106.075 $\pm$ 300.359 χ^2/NDF : 12.3/18

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

Left In: 2297.335 $\pm$ 309.468 χ^2/NDF : 24.3/16

Left: 2198.849 $\pm$ 215.534 χ^2/NDF : 36.8/35

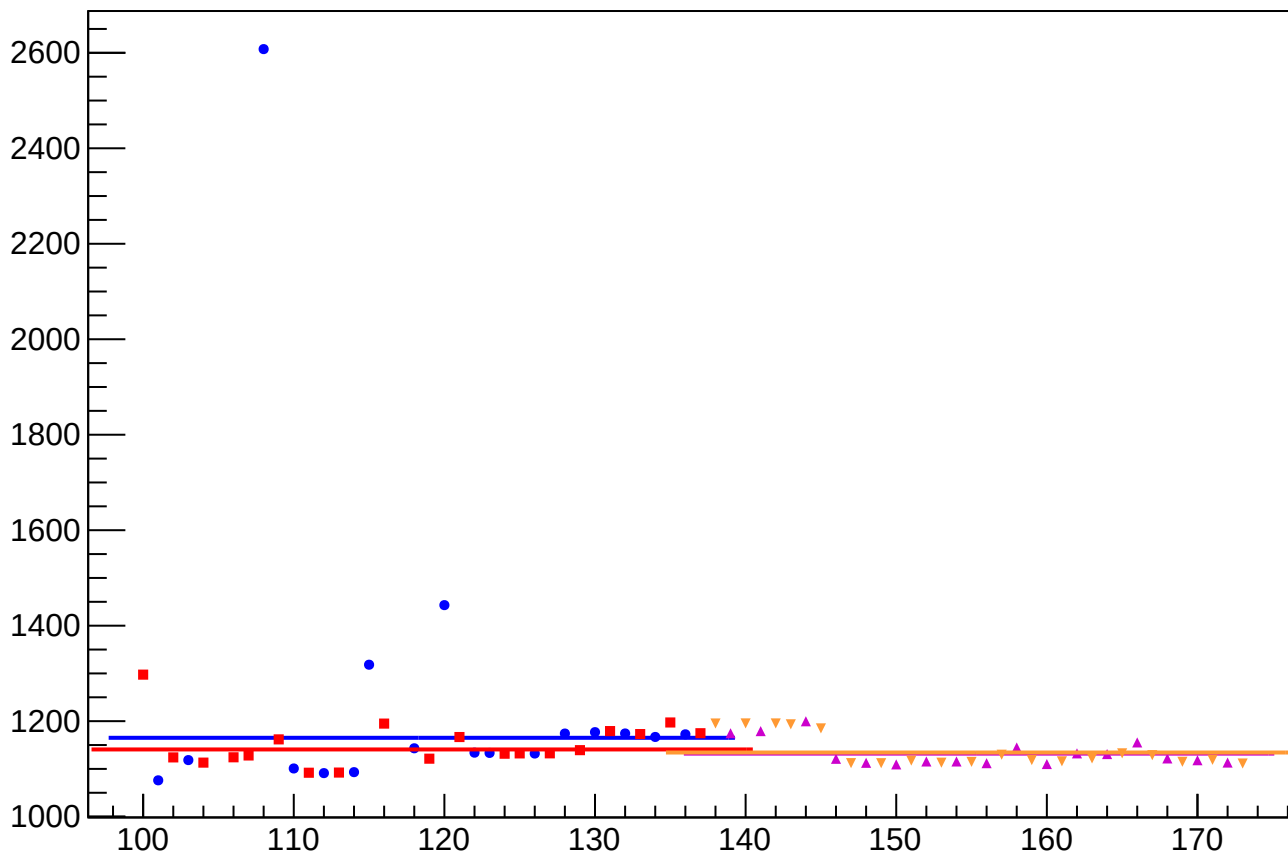
Right: 2284.984 $\pm$ 310.688 χ^2/NDF : 26.6/35

In: 2388.176 $\pm$ 255.567 χ^2/NDF : 36.9/33

Out: 2077.805 $\pm$ 245.622 χ^2/NDF : 25.8/37

All: 2226.834 $\pm$ 177.092 χ^2/NDF : 63.5/71

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1165.146 $\pm$ 0.320 χ^2 /NDF: 278570.1/16

Left Out: 1134.338 $\pm$ 0.212 χ^2 /NDF:21405.6/18

Right Out: 1140.752 $\pm$ 0.302 χ^2 /NDF: 12717.7/18

Left In: 1131.995 $\pm$ 0.219 χ^2 /NDF:14963.7/16

Left: 1133.202 $\pm$ 0.152 χ^2 /NDF: 36428.4/35

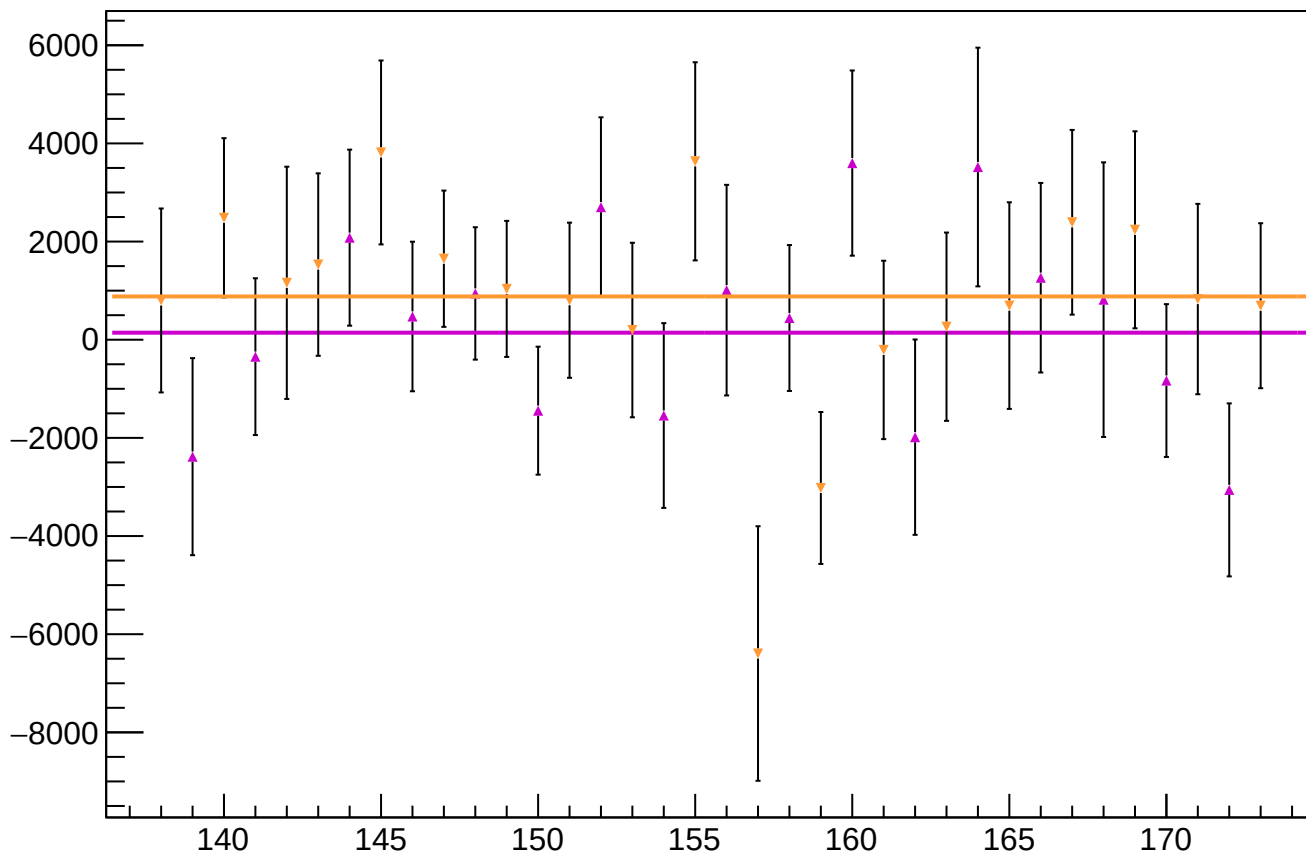
Right: 1152.217 $\pm$ 0.220 χ^2 /NDF: 294359.2/35

In: 1142.537 $\pm$ 0.181 χ^2 /NDF:300832.5/33

Out: 1136.463 $\pm$ 0.174 χ^2 /NDF:34425.3/37

All: 1139.380 $\pm$ 0.125 χ^2 /NDF: 335845.2/71

asym_usr_correction_mean vs Slug, Sign Corrected



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

Left Out: 881.709+/-410.460 χ^2/NDF : 21.7/18

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

Left In: 143.343+/-422.458 χ^2/NDF : 18.2/16

Left: 523.160+/-294.389 χ^2/NDF : 41.5/35

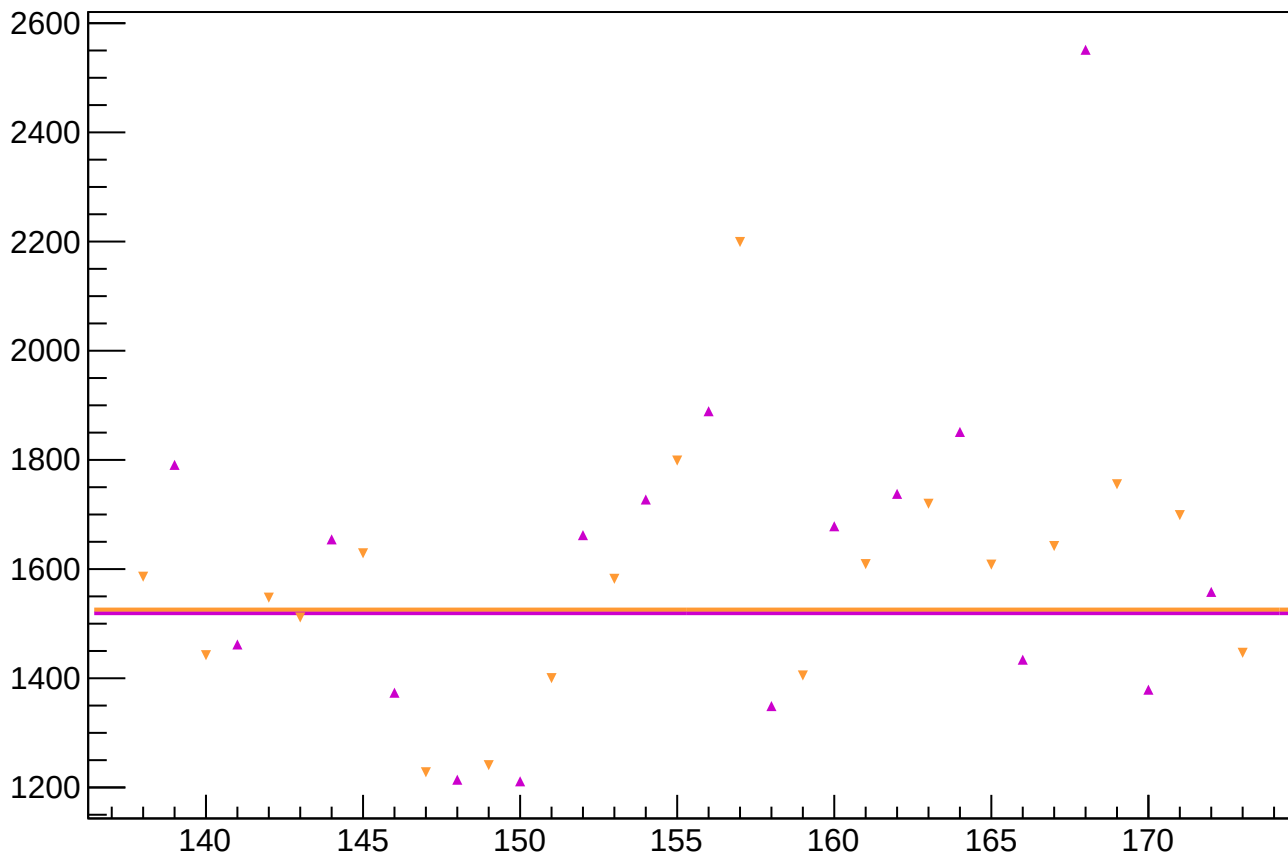
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 143.343+/-422.458 χ^2/NDF : 18.2/16

Out: 881.709+/-410.460 χ^2/NDF : 21.7/18

All: 523.160+/-294.389 χ^2/NDF : 41.5/35

asym_usr_correction_rms vs Slug, Sign Corrected



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

Left Out: 1525.836+/-0.290 χ^2/NDF : 470522.4/18

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

Left In: 1519.264+/-0.299 χ^2/NDF : 774001.0/16

Left: 1522.645+/-0.208 χ^2/NDF : 1244772.4/35

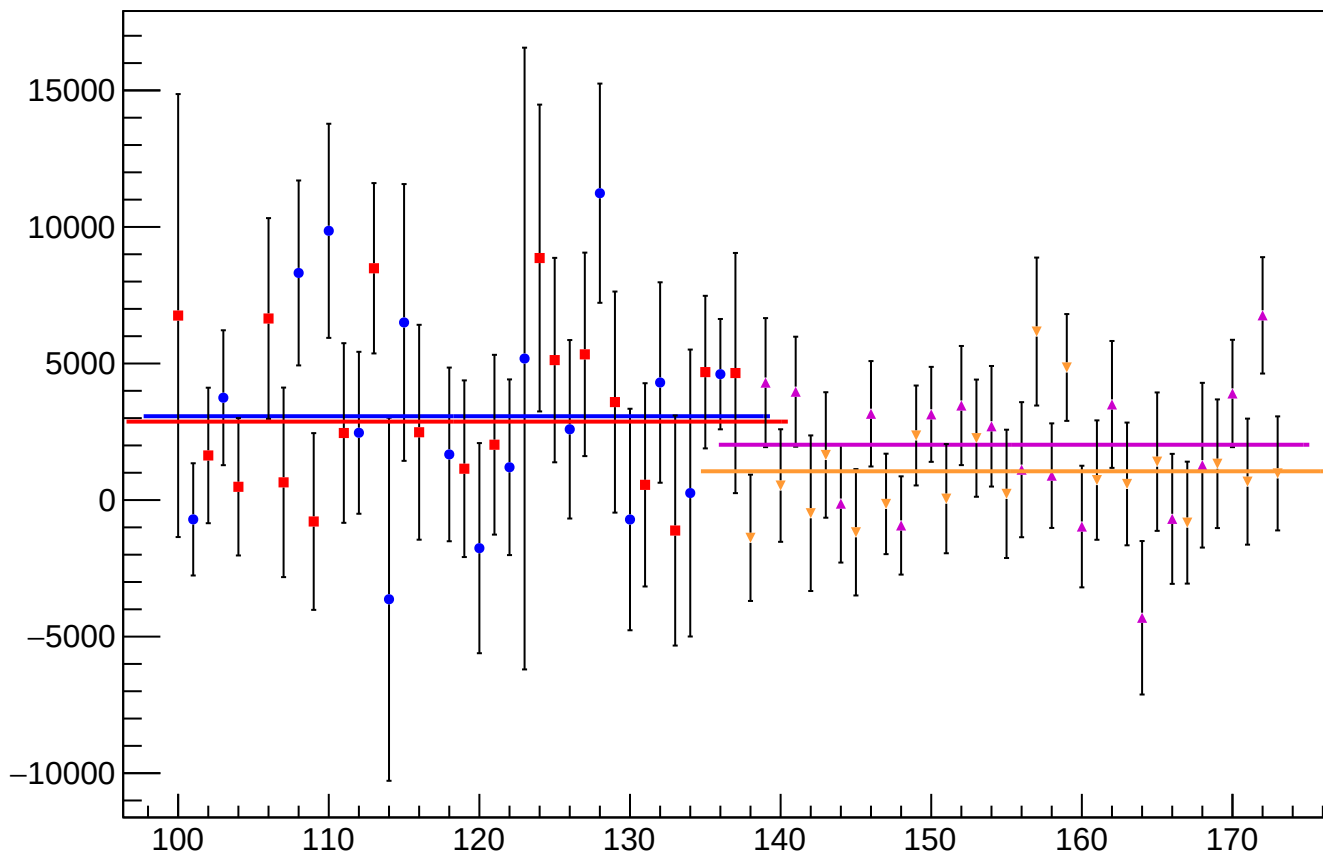
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1519.264+/-0.299 χ^2/NDF : 774001.0/16

Out: 1525.836+/-0.290 χ^2/NDF : 470522.4/18

All: 1522.645+/-0.208 χ^2/NDF : 1244772.4/35

asym_usr_mean vs Slug, Sign Corrected



Right In: 3069.484+/-797.741 χ^2/NDF : 18.5/16

Left Out: 1053.877+/-504.829 χ^2/NDF :12.3/18

Right Out: 2872.615+/-795.352 χ^2/NDF : 11.6/18

Left In: 2025.471+/-521.308 χ^2/NDF :21.8/16

Left: 1524.075+/-362.654 χ^2/NDF : 35.9/35

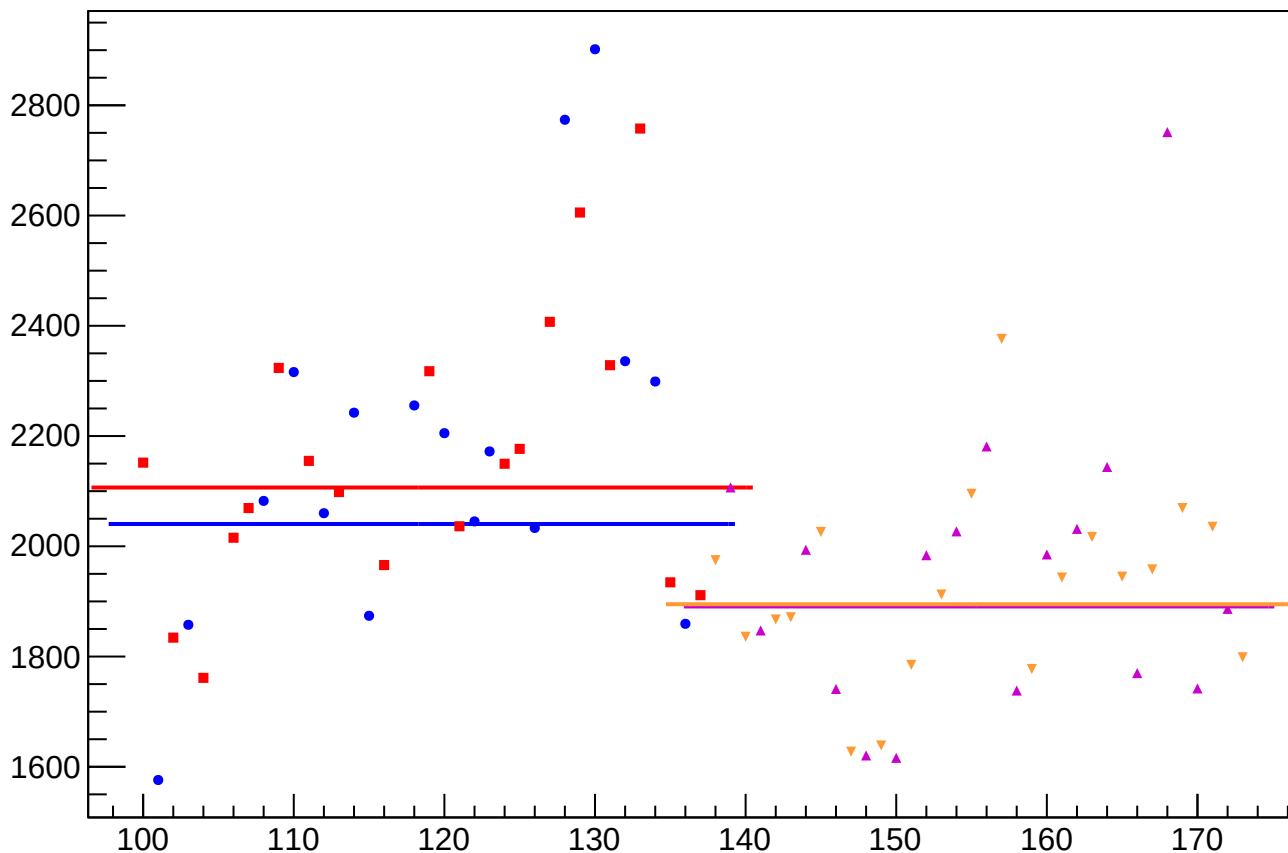
Right: 2970.754+/-563.242 χ^2/NDF : 30.1/35

In: 2337.889+/-436.392 χ^2/NDF :41.6/33

Out: 1576.178+/-426.221 χ^2/NDF :27.6/37

All: 1948.054+/-304.916 χ^2/NDF : 70.7/71

asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1894.900+/-0.357 χ^2/NDF :215396.5/18

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

Left In: 1890.836+/-0.369 χ^2/NDF :387334.8/16

Left: 1892.934+/-0.256 χ^2/NDF : 602794.0/35

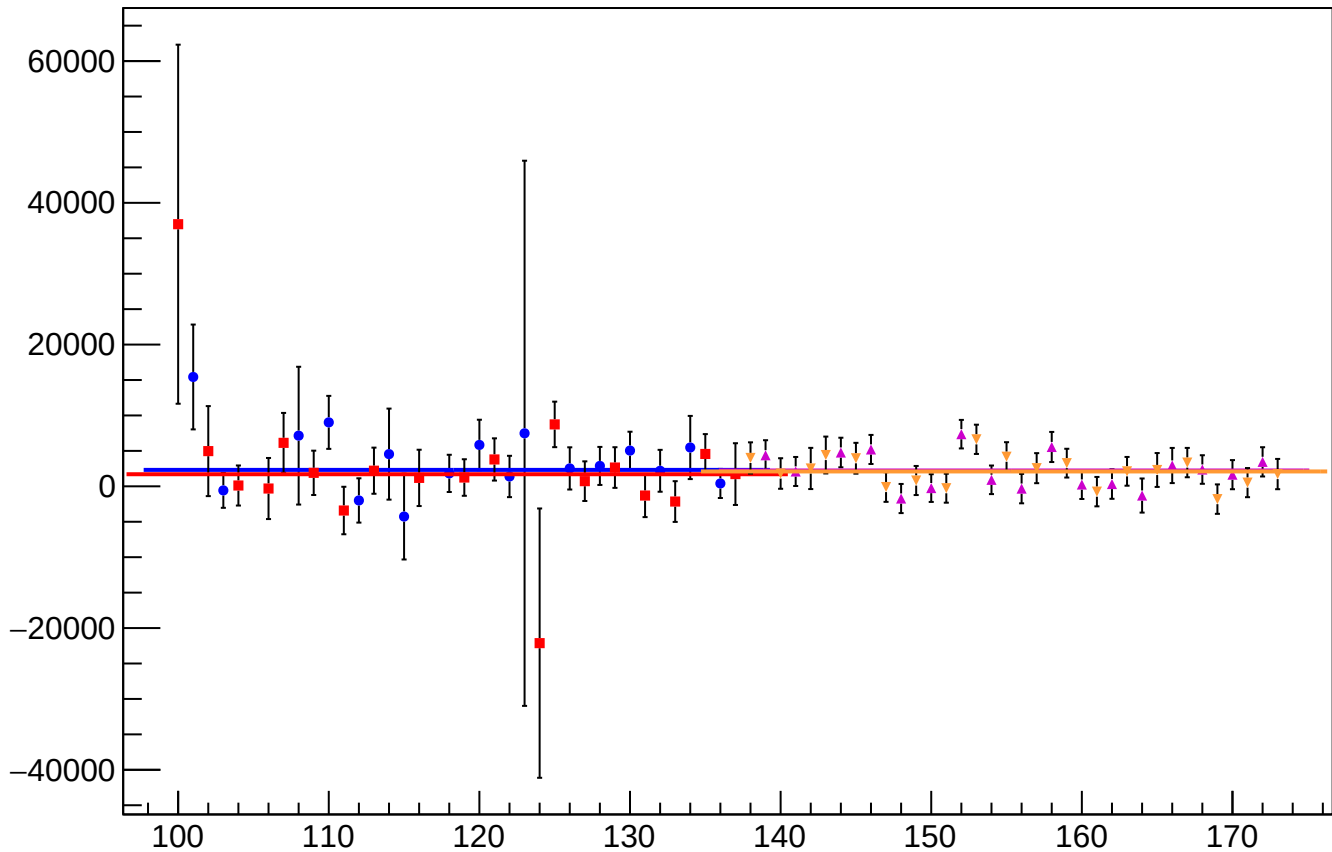
Right: 2073.628+/-0.398 χ^2/NDF : 533659.8/35

In: 1935.603+/-0.309 χ^2/NDF :767959.9/33

Out: 1955.703+/-0.301 χ^2/NDF :511836.5/37

All: 1945.890+/-0.216 χ^2/NDF : 1281967.9/71

dit_asym_at1_avg_mean vs Slug, Sign Corrected



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

Left Out: 2098.430 $\pm$ 493.082 χ^2 /NDF:17.8/18

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

Left In: 2233.500 $\pm$ 506.646 χ^2 /NDF:25.2/16

Left: 2164.133 $\pm$ 353.359 χ^2 /NDF: 43.1/35

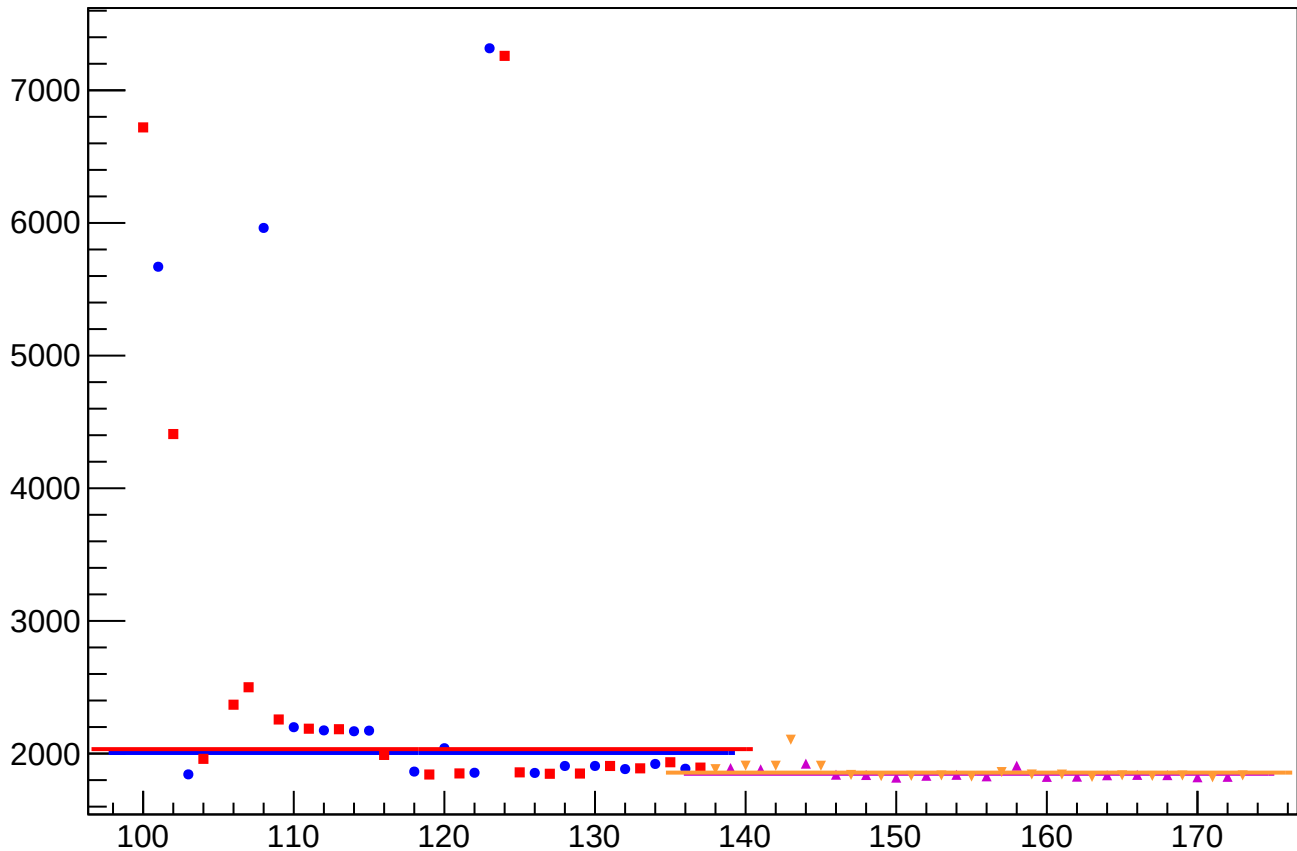
Right: 2005.073 $\pm$ 560.015 χ^2 /NDF: 32.3/35

In: 2257.924 $\pm$ 428.249 χ^2 /NDF:40.0/33

Out: 1986.826 $\pm$ 417.219 χ^2 /NDF:35.1/37

All: 2118.839 $\pm$ 298.842 χ^2 /NDF: 75.4/71

dit_asym_at1_avg_rms vs Slug, Sign Corrected



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

Left Out: 1856.460+/-0.349 χ^2/NDF : 25018.7/18

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

Left In: 1847.622+/-0.358 χ^2/NDF : 7649.3/16

Left: 1852.161+/-0.250 χ^2/NDF : 32980.6/35

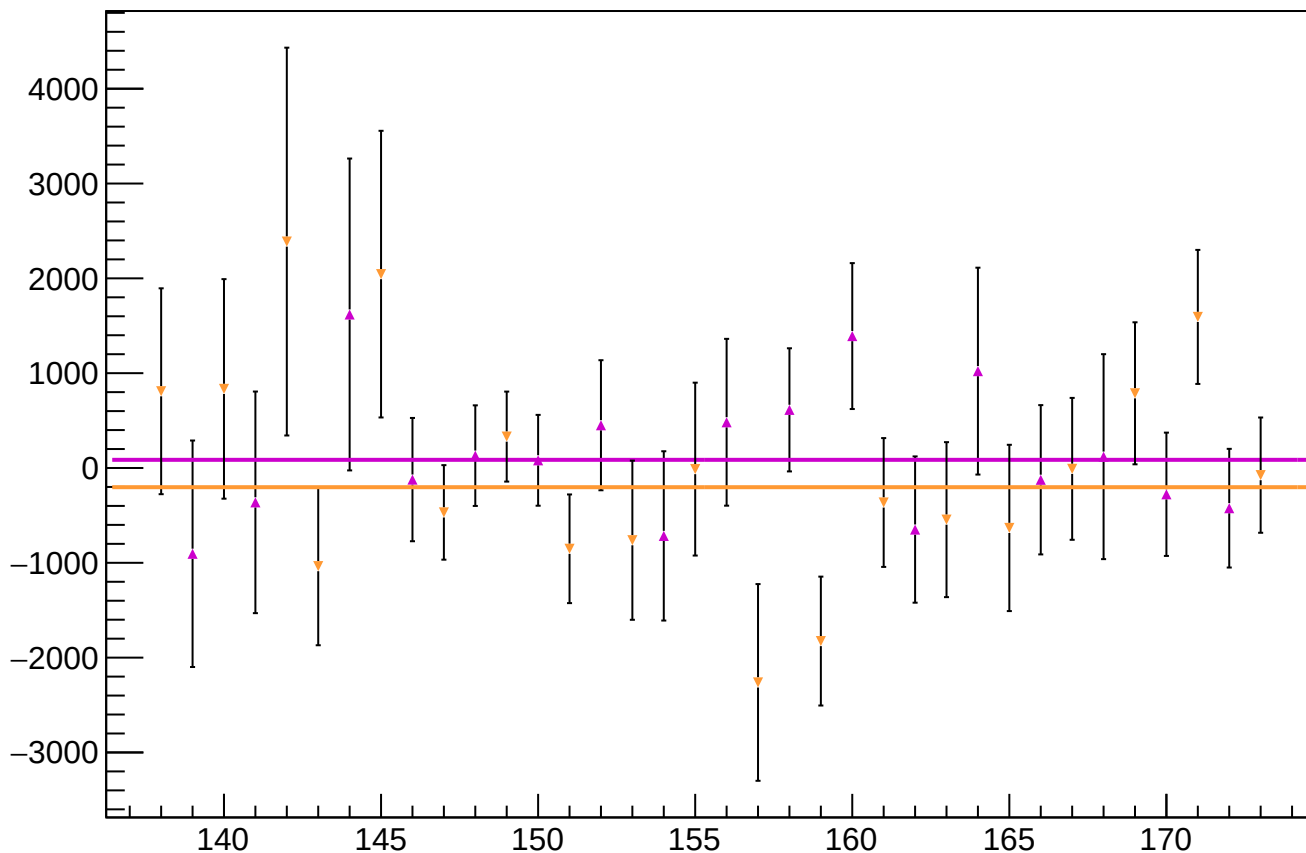
Right: 2019.360+/-0.396 χ^2/NDF : 1528357.7/35

In: 1892.430+/-0.303 χ^2/NDF : 978449.4/33

Out: 1906.743+/-0.295 χ^2/NDF : 709253.9/37

All: 1899.773+/-0.211 χ^2/NDF : 1688849.6/71

asym_at1_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -202.554+/-171.052 χ^2/NDF :28.2/18

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

Left In: 86.091+/-180.412 χ^2/NDF :9.3/16

Left: -65.913+/-124.129 χ^2/NDF : 38.9/35

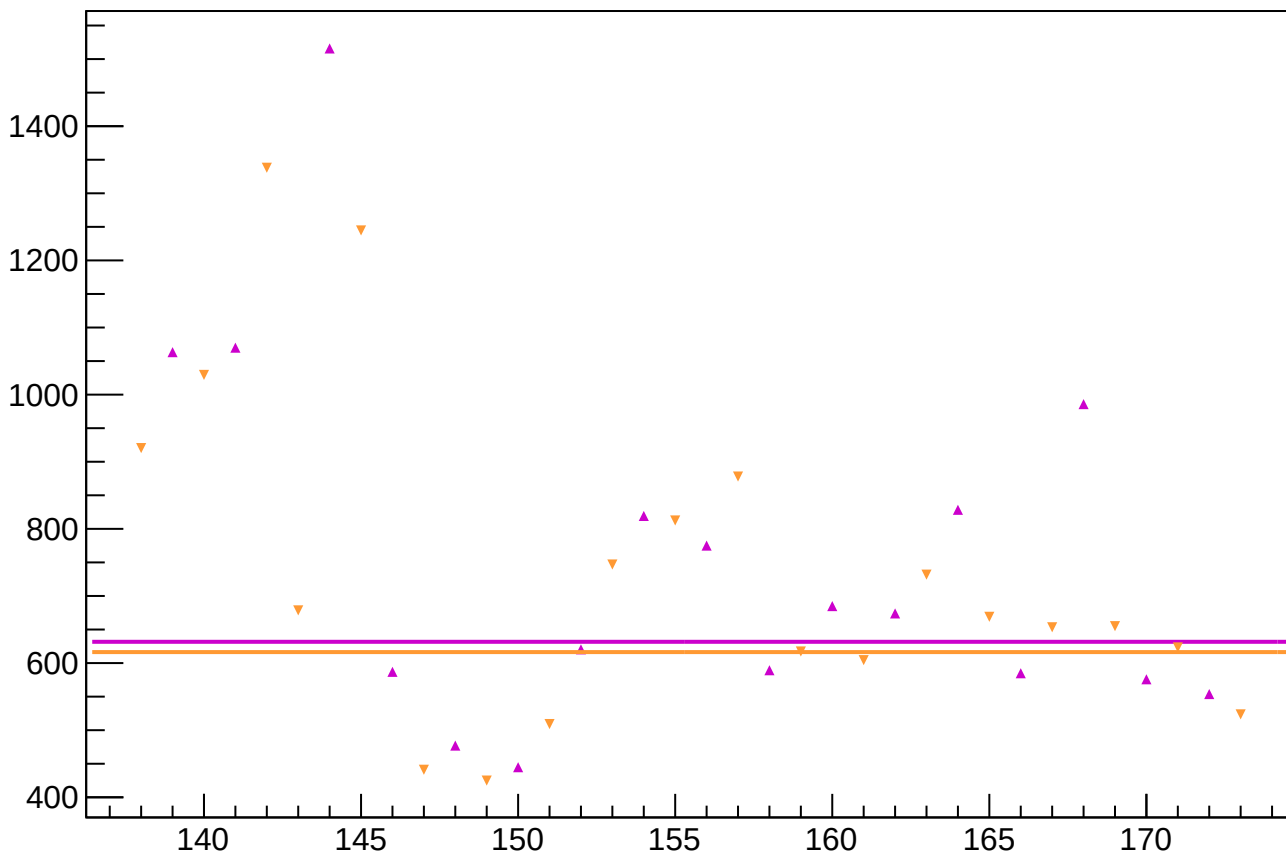
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 86.091+/-180.412 χ^2/NDF :9.3/16

Out: -202.554+/-171.052 χ^2/NDF :28.2/18

All: -65.913+/-124.129 χ^2/NDF : 38.9/35

asym_at1_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 616.373+/-0.121 χ^2/NDF :2032788.9/18

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

Left In: 631.707+/-0.128 χ^2/NDF :2102904.6/16

Left: 623.632+/-0.088 χ^2/NDF : 4143302.2/35

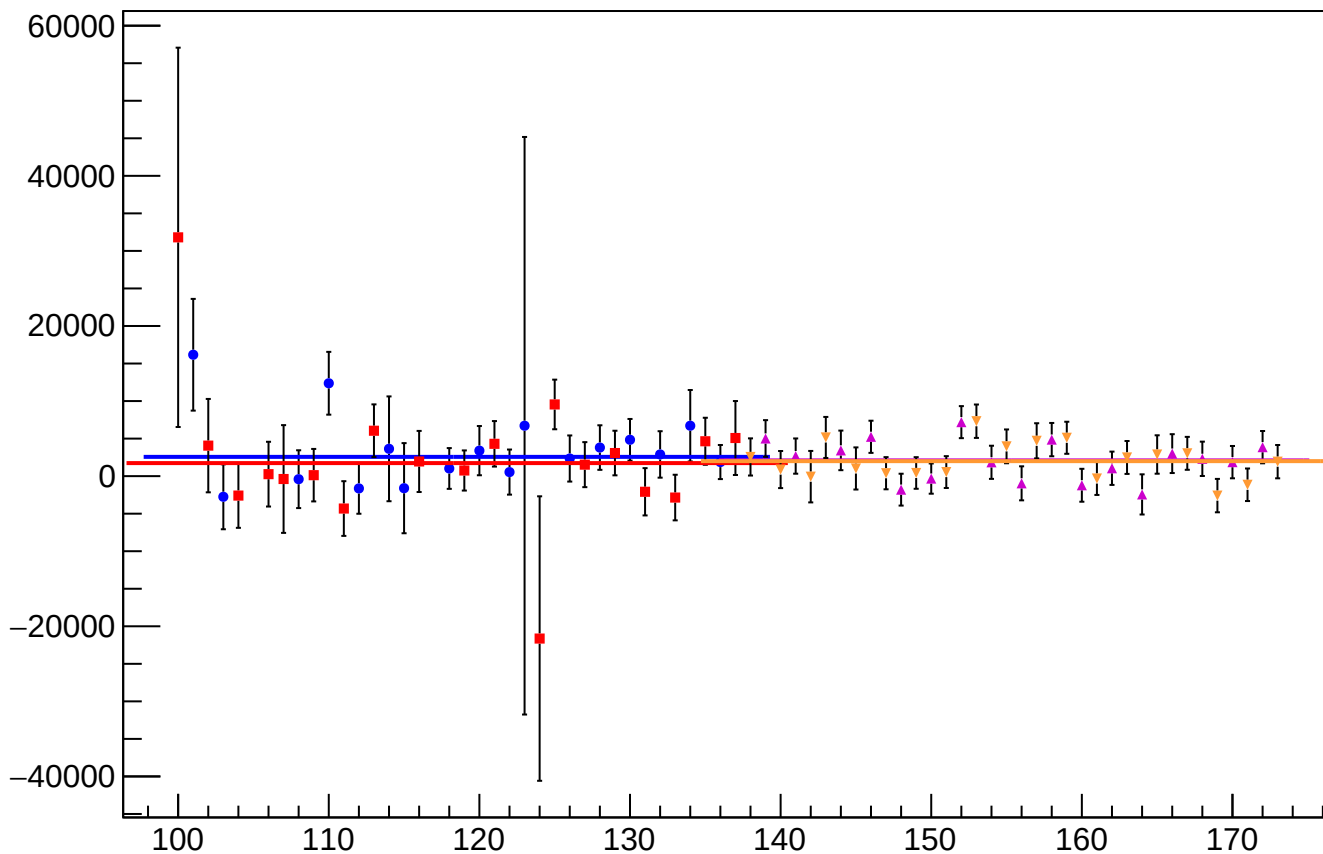
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 631.707+/-0.128 χ^2/NDF :2102904.6/16

Out: 616.373+/-0.121 χ^2/NDF :2032788.9/18

All: 623.632+/-0.088 χ^2/NDF : 4143302.2/35

asym_at1_avg_mean vs Slug, Sign Corrected



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

Left Out: 1998.084 $\pm$ 531.782 χ^2 /NDF: 21.5/18

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

Left In: 2100.571 $\pm$ 548.349 χ^2 /NDF: 24.0/16

Left: 2047.756 $\pm$ 381.749 χ^2 /NDF: 45.5/35

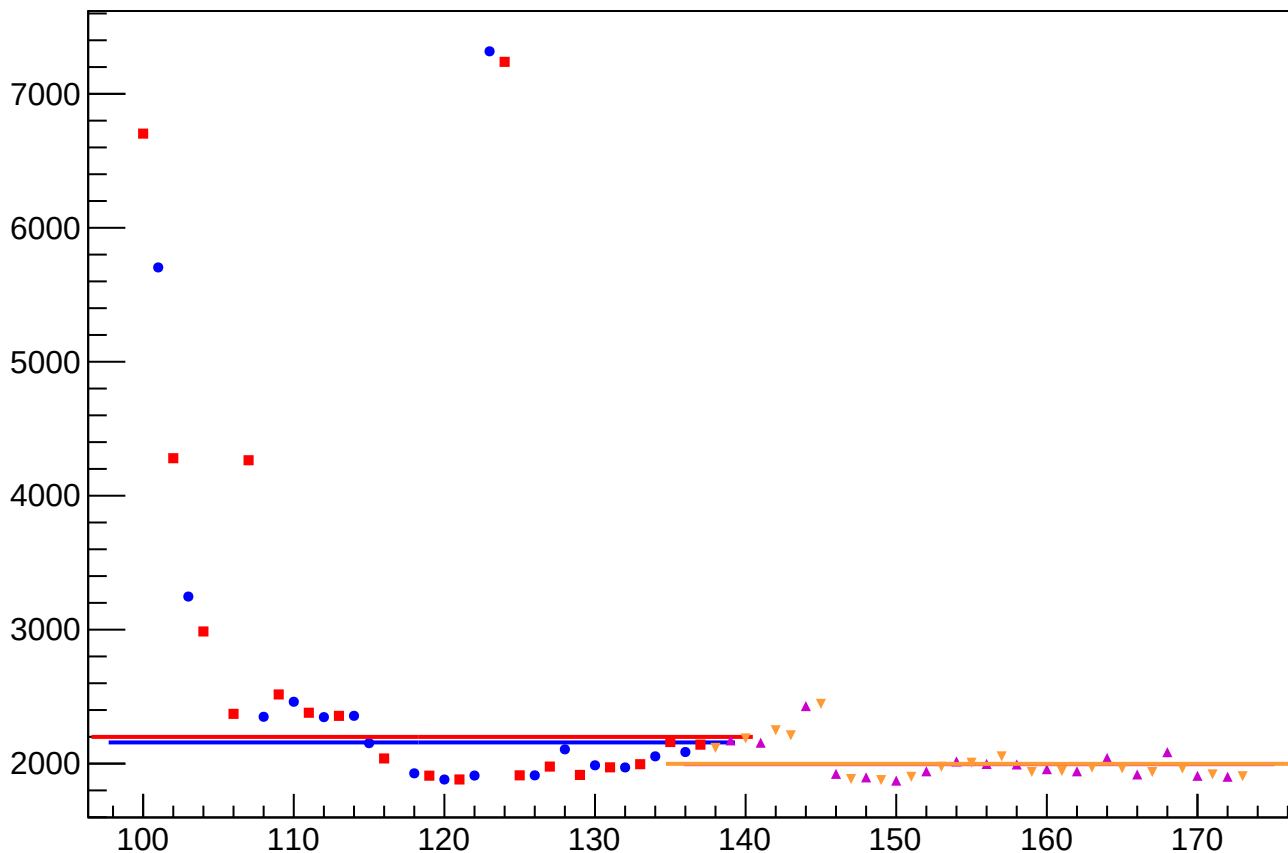
Right: 2150.830 $\pm$ 604.316 χ^2 /NDF: 36.5/35

In: 2236.205 $\pm$ 461.748 χ^2 /NDF: 39.8/33

Out: 1925.226 $\pm$ 451.296 χ^2 /NDF: 42.1/37

All: 2077.156 $\pm$ 322.746 χ^2 /NDF: 82.1/71

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2158.148+/-0.605 χ^2/NDF : 713862.1/16

Left Out: 1998.236+/-0.376 χ^2/NDF : 119686.4/18

Right Out: 2199.343+/-0.603 χ^2/NDF : 803022.0/18

Left In: 1995.960+/-0.388 χ^2/NDF : 103619.6/16

Left: 1997.133+/-0.270 χ^2/NDF : 223323.7/35

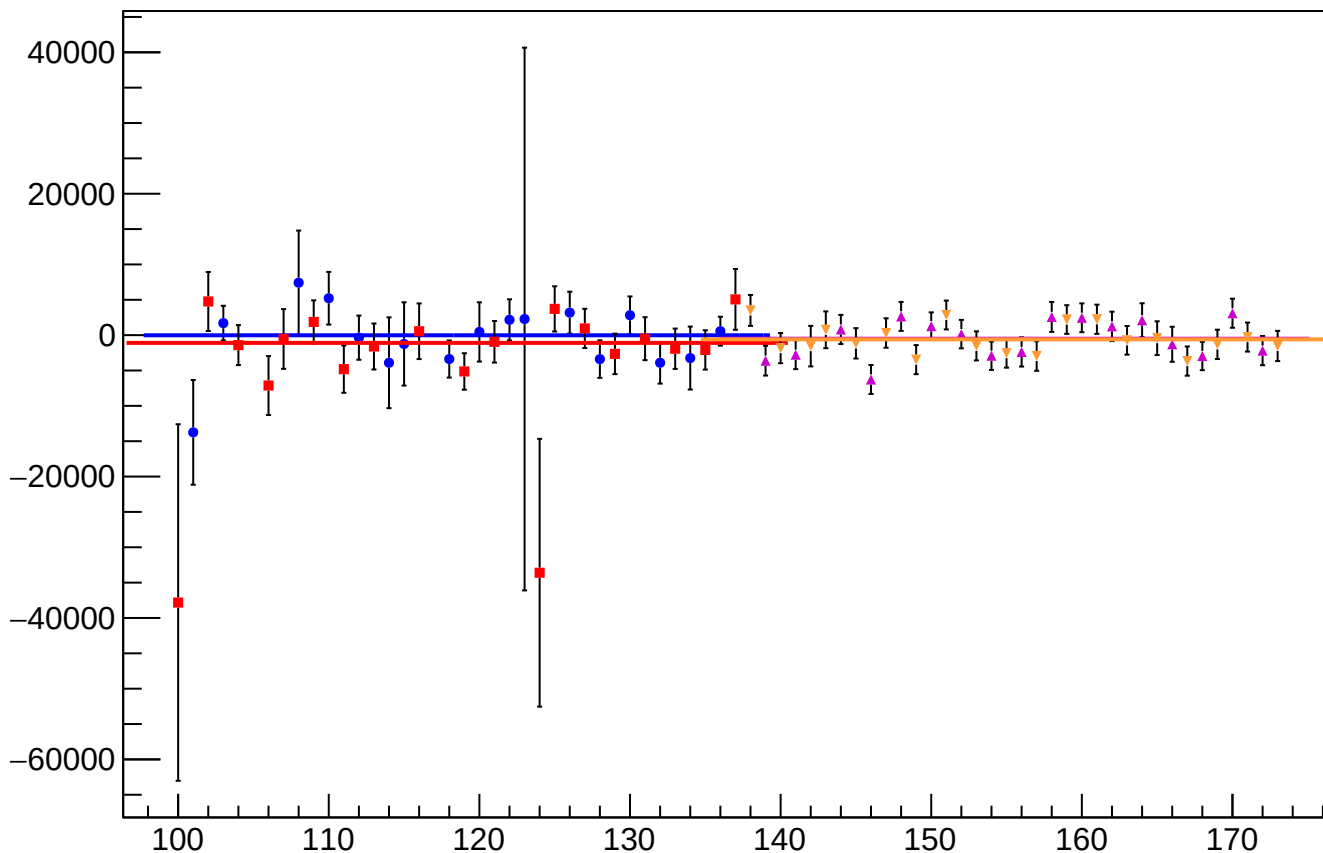
Right: 2178.816+/-0.427 χ^2/NDF : 1519207.5/35

In: 2043.143+/-0.327 χ^2/NDF : 868383.2/33

Out: 2054.505+/-0.319 χ^2/NDF : 1002739.7/37

All: 2048.954+/-0.228 χ^2/NDF : 1871742.1/71

dit_asym_at1_dd_mean vs Slug, Sign Corrected



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

Left Out: -595.340 ± 491.073 χ^2/NDF : 18.0/18

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

Left In: -504.642 ± 504.854 χ^2/NDF : 28.8/16

Left: -551.246 ± 352.012 χ^2/NDF : 46.8/35

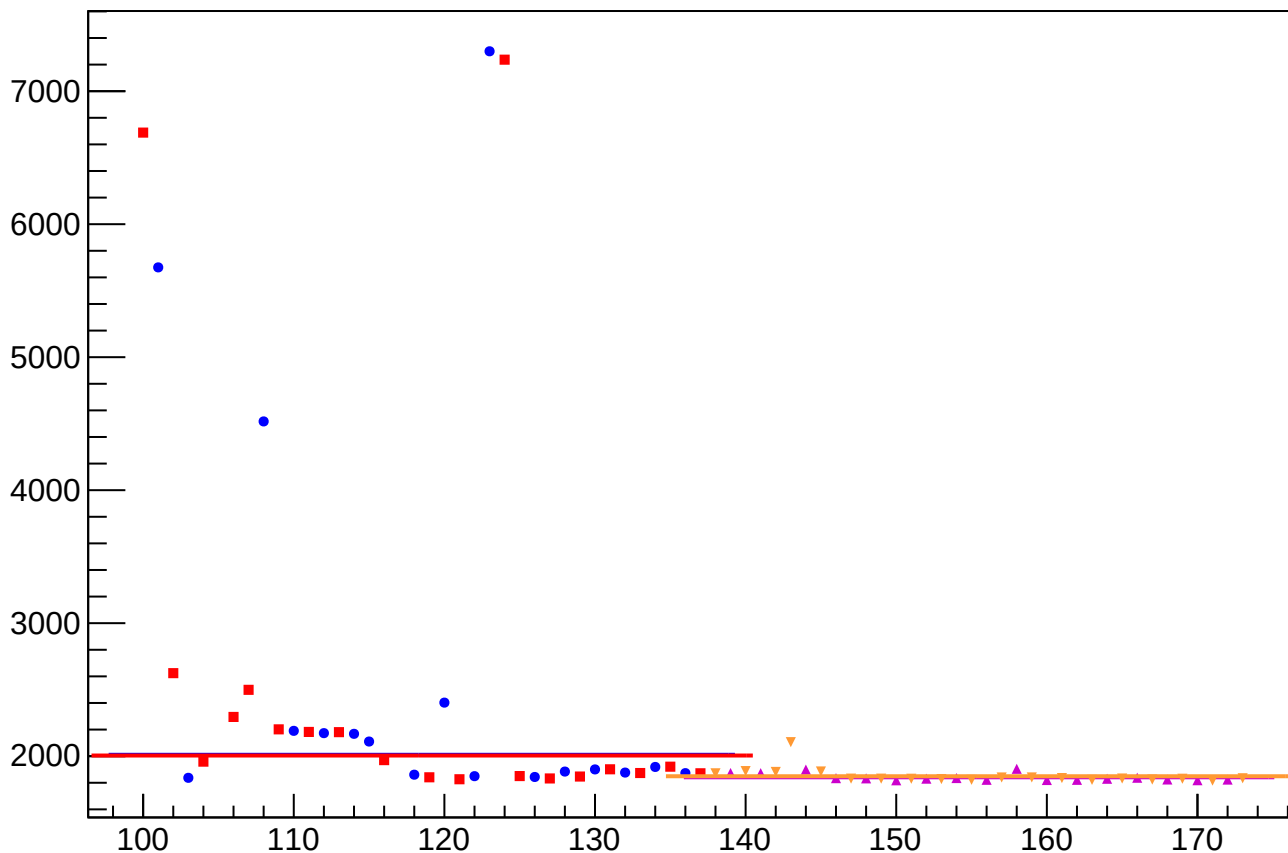
Right: -578.567 ± 555.139 χ^2/NDF : 36.2/35

In: -366.464 ± 427.160 χ^2/NDF : 44.9/33

Out: -740.008 ± 413.994 χ^2/NDF : 37.7/37

All: -559.081 ± 297.284 χ^2/NDF : 83.0/71

dit_asym_at1_dd_rms vs Slug, Sign Corrected



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

Left Out: 1848.991+/-0.347 χ^2/NDF : 23782.2/18

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

Left In: 1841.174+/-0.357 χ^2/NDF : 5806.0/16

Left: 1845.191+/-0.249 χ^2/NDF : 29834.6/35

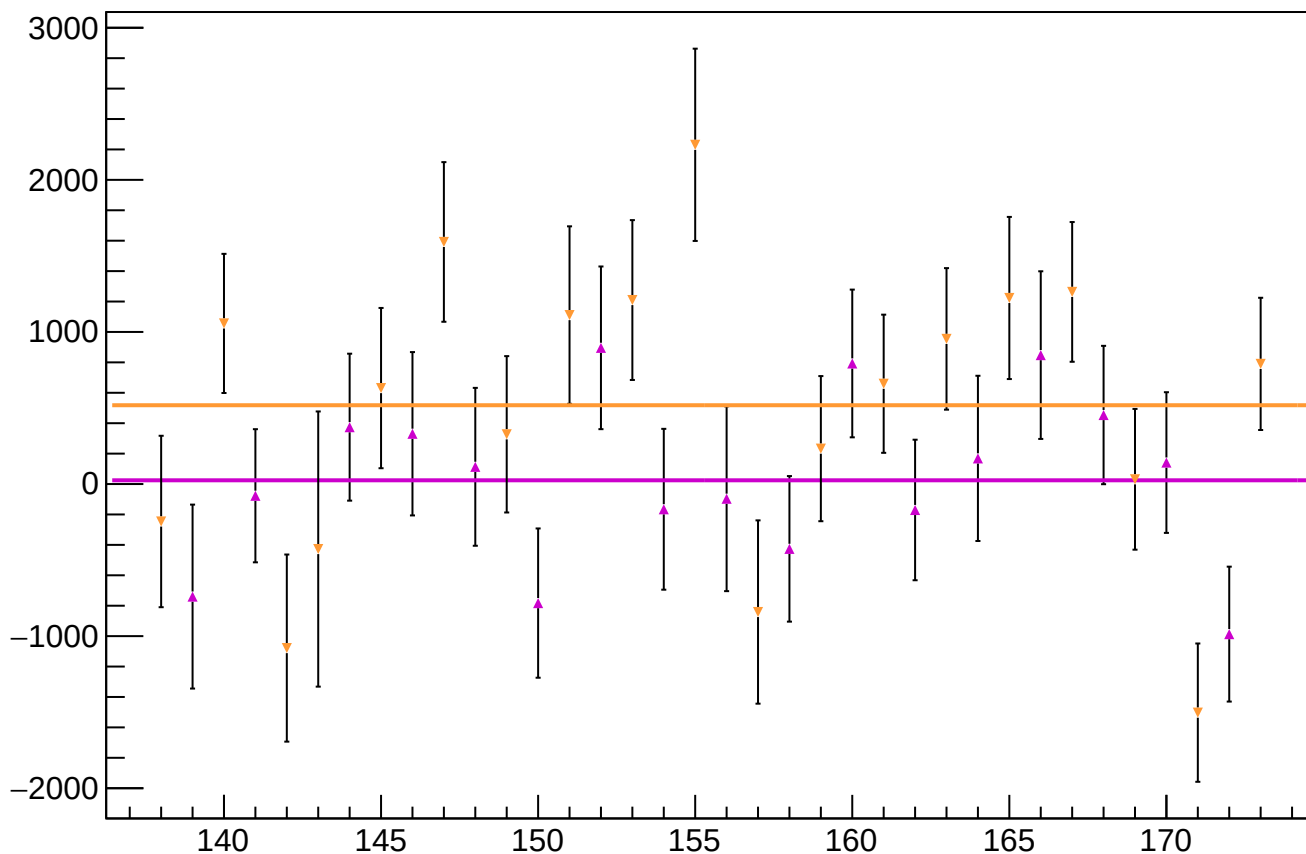
Right: 2007.469+/-0.393 χ^2/NDF : 1207306.7/35

In: 1889.216+/-0.302 χ^2/NDF : 909298.8/33

Out: 1894.088+/-0.293 χ^2/NDF : 449599.8/37

All: 1891.728+/-0.210 χ^2/NDF : 1359032.8/71

asym_at1_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 518.172+/-118.229 χ^2/NDF : 57.6/18

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

Left In: 24.619+/-121.343 χ^2/NDF : 20.1/16

Left: 277.809+/-84.680 χ^2/NDF : 86.2/35

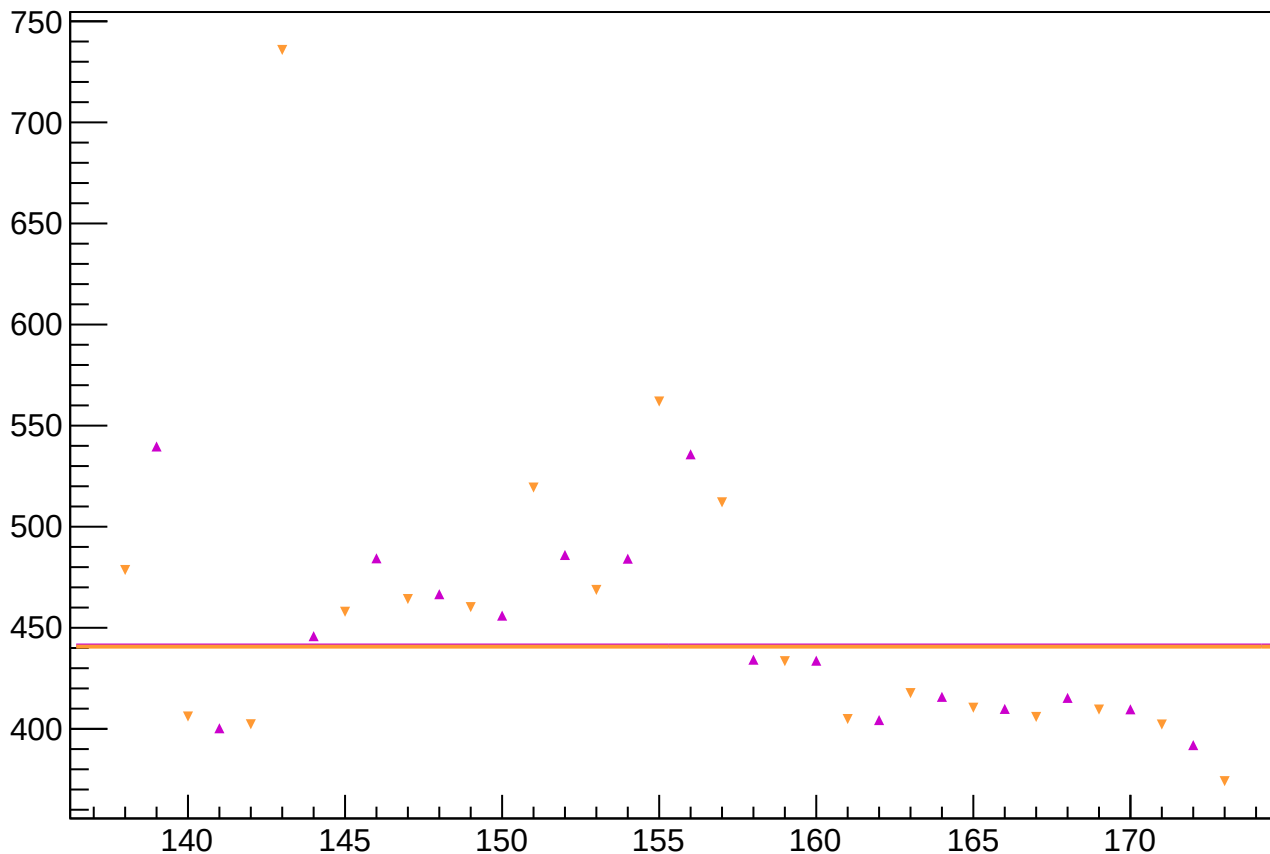
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 24.619+/-121.343 χ^2/NDF : 20.1/16

Out: 518.172+/-118.229 χ^2/NDF : 57.6/18

All: 277.809+/-84.680 χ^2/NDF : 86.2/35

asym_at1_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 440.690+/-0.084 χ^2/NDF :499850.6/18

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

Left In: 441.230+/-0.086 χ^2/NDF :230825.5/16

Left: 440.953+/-0.060 χ^2/NDF : 730696.5/35

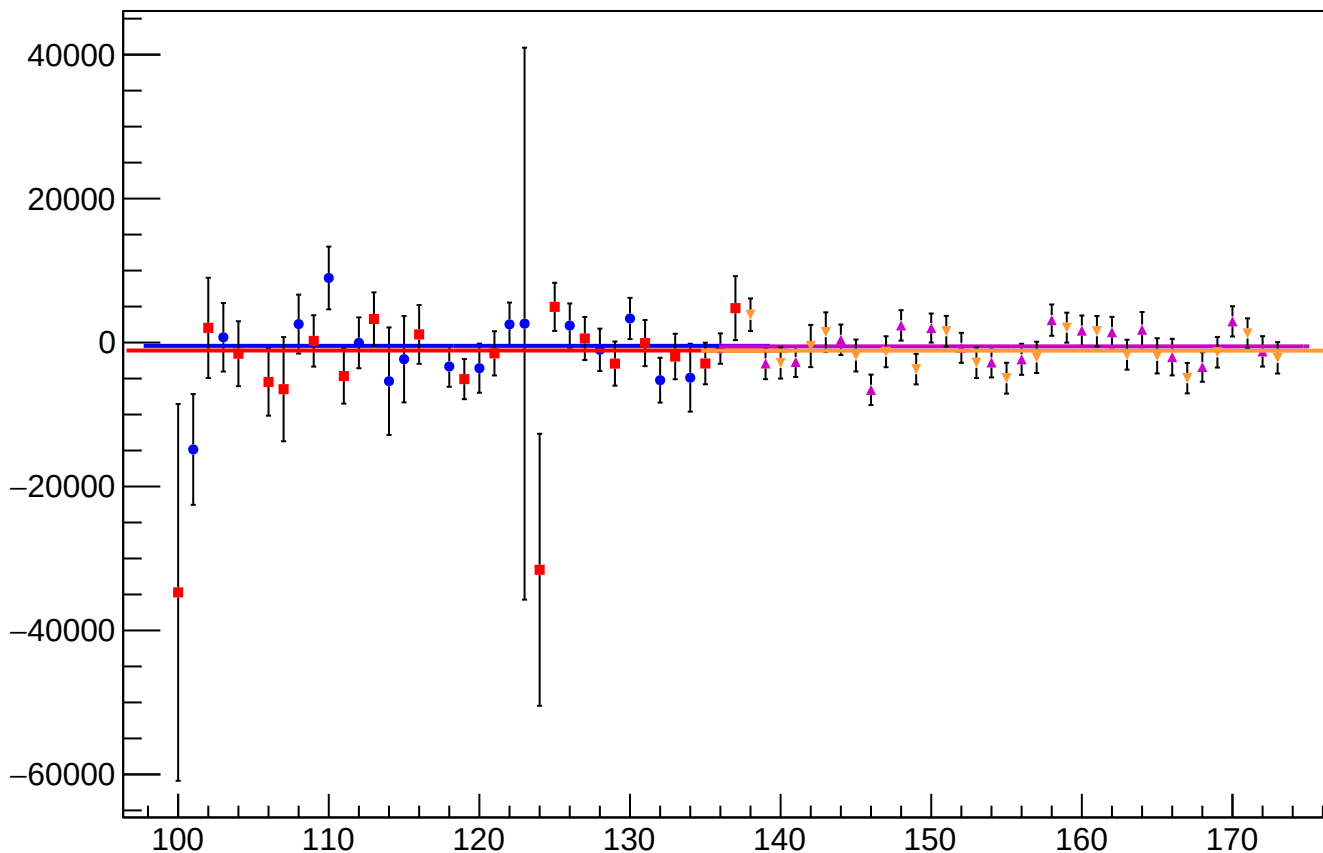
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 441.230+/-0.086 χ^2/NDF :230825.5/16

Out: 440.690+/-0.084 χ^2/NDF :499850.6/18

All: 440.953+/-0.060 χ^2/NDF : 730696.5/35

asym_at1_dd_mean vs Slug, Sign Corrected



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

Left Out: -1125.192 ± 506.233 χ^2/NDF : 22.5/18

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

Left In: -532.918 ± 519.801 χ^2/NDF : 26.8/16

Left: -836.886 ± 362.663 χ^2/NDF : 49.9/35

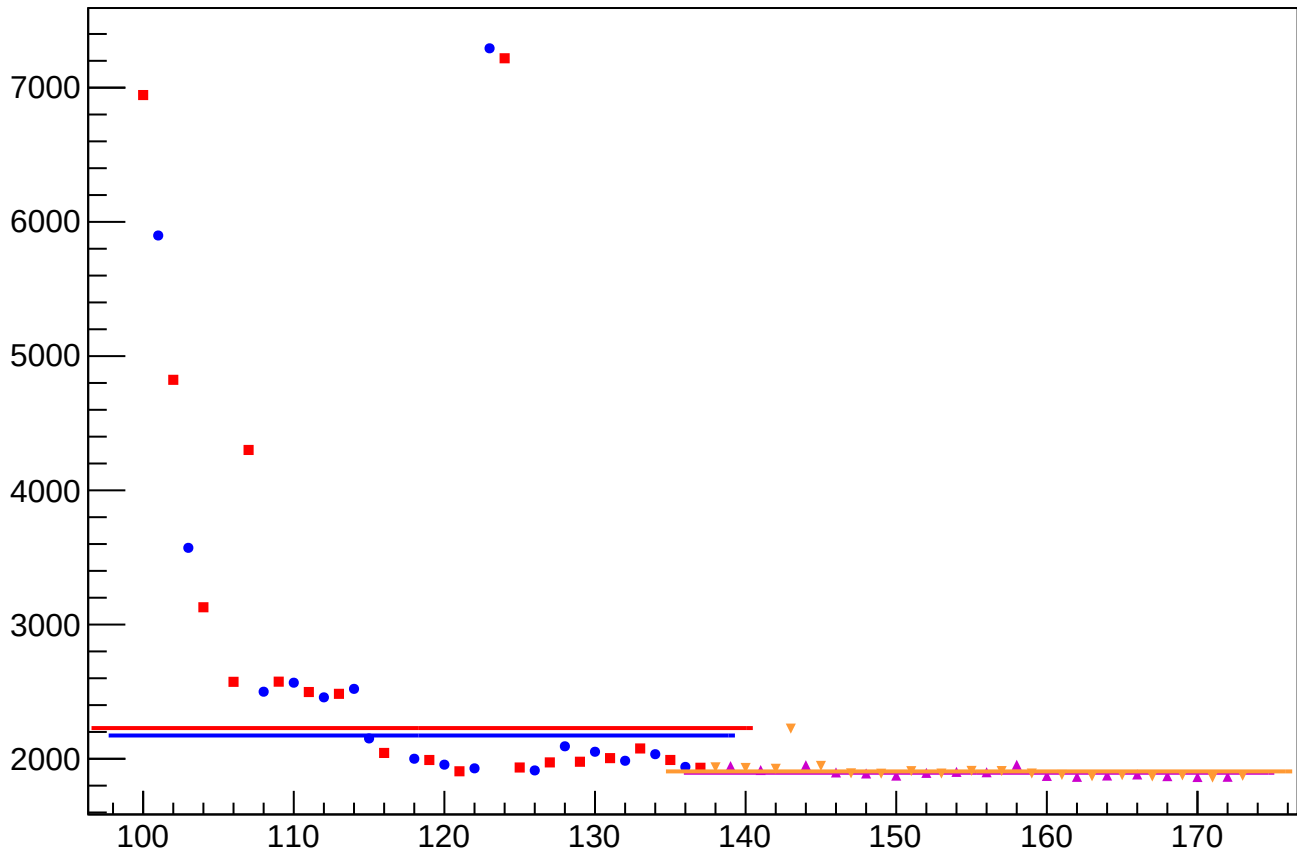
Right: -780.562 ± 612.463 χ^2/NDF : 35.2/35

In: -513.129 ± 445.564 χ^2/NDF : 44.8/33

Out: -1119.885 ± 437.188 χ^2/NDF : 39.4/37

All: -822.264 ± 312.058 χ^2/NDF : 85.1/71

asym_at1_dd_rms vs Slug, Sign Corrected



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

Left Out: 1906.003+/-0.358 χ^2/NDF : 32385.3/18

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

Left In: 1895.831+/-0.368 χ^2/NDF : 6378.6/16

Left: 1901.051+/-0.256 χ^2/NDF : 39157.0/35

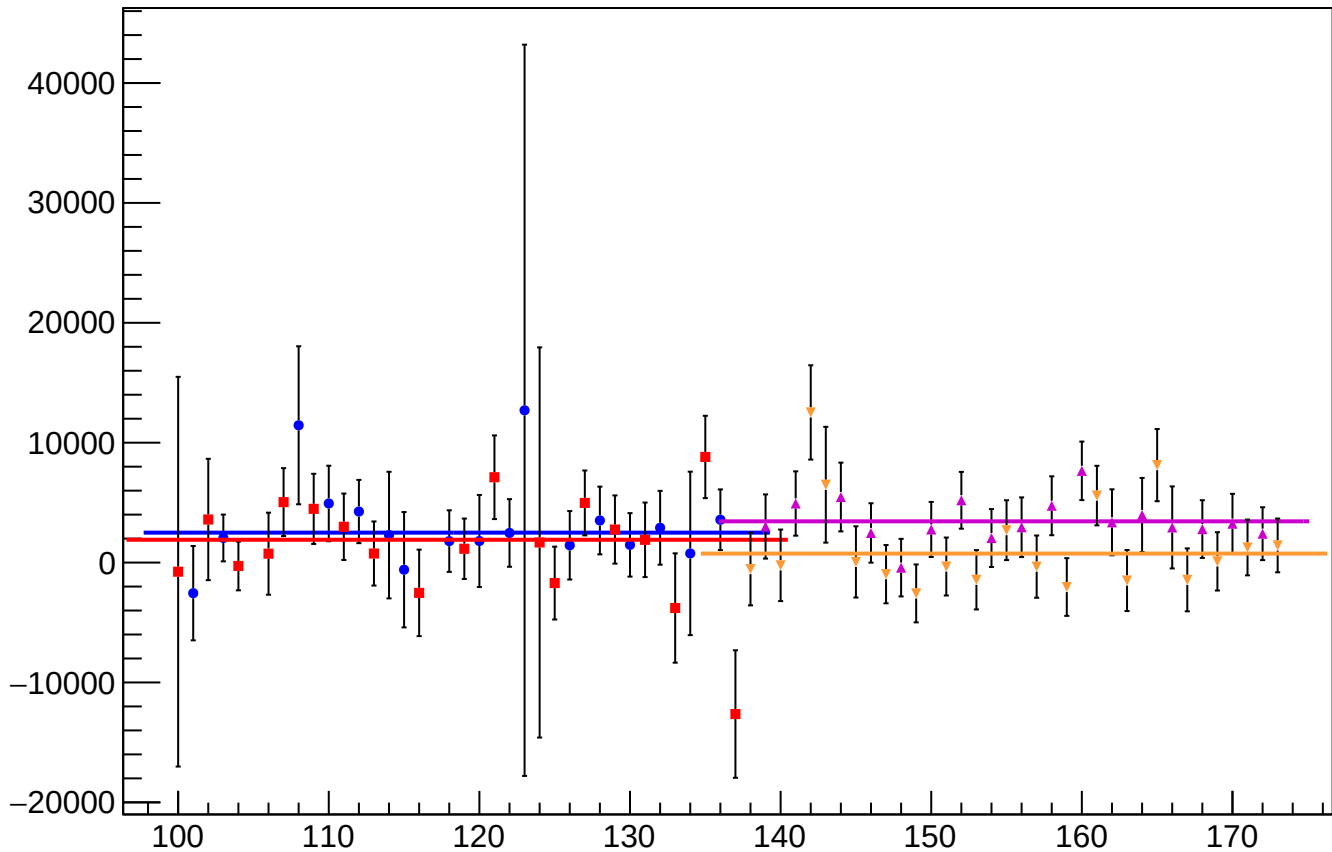
Right: 2201.146+/-0.433 χ^2/NDF : 1705309.7/35

In: 1969.487+/-0.315 χ^2/NDF : 963143.4/33

Out: 1988.075+/-0.309 χ^2/NDF : 1135060.9/37

All: 1978.957+/-0.221 χ^2/NDF : 2099977.8/71

dit_asym_at2_avg_mean vs Slug, Sign Corrected



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

Left Out: 749.786 $\pm$ 605.911 χ^2 /NDF: 27.7/18

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

Left In: 3440.057 $\pm$ 616.306 χ^2 /NDF: 8.2/16

Left: 2072.040 $\pm$ 432.072 χ^2 /NDF: 45.6/35

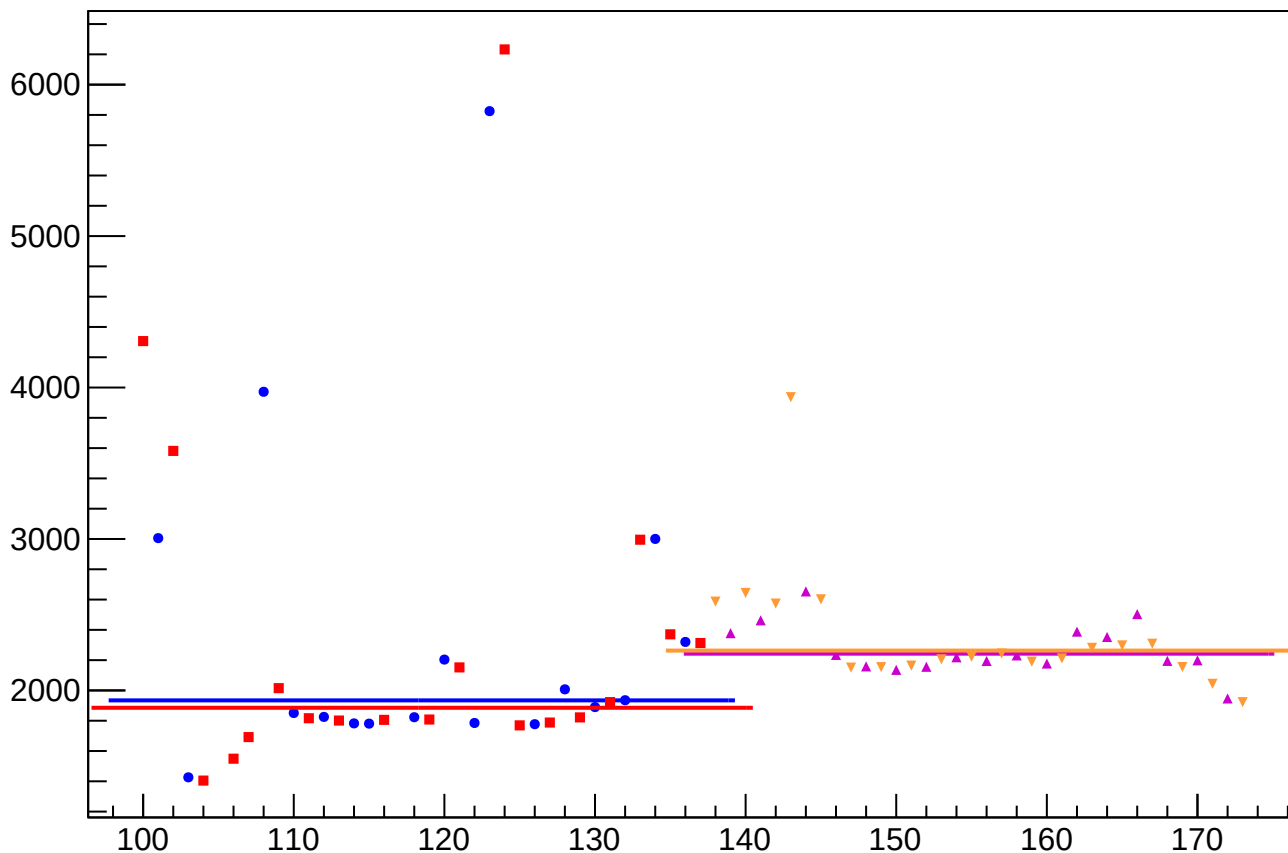
Right: 2187.370 $\pm$ 531.779 χ^2 /NDF: 29.7/35

In: 3070.663 $\pm$ 480.744 χ^2 /NDF: 15.0/33

Out: 1215.027 $\pm$ 467.989 χ^2 /NDF: 52.6/37

All: 2117.901 $\pm$ 335.337 χ^2 /NDF: 75.3/71

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1934.404 $\pm$ 0.543 χ^2 /NDF: 638920.4/16

Left Out: 2263.194 $\pm$ 0.428 χ^2 /NDF: 418893.9/18

Right Out: 1885.547 $\pm$ 0.521 χ^2 /NDF: 752091.8/18

Left In: 2242.794 $\pm$ 0.436 χ^2 /NDF: 128776.9/16

Left: 2253.168 $\pm$ 0.306 χ^2 /NDF: 548785.0/35

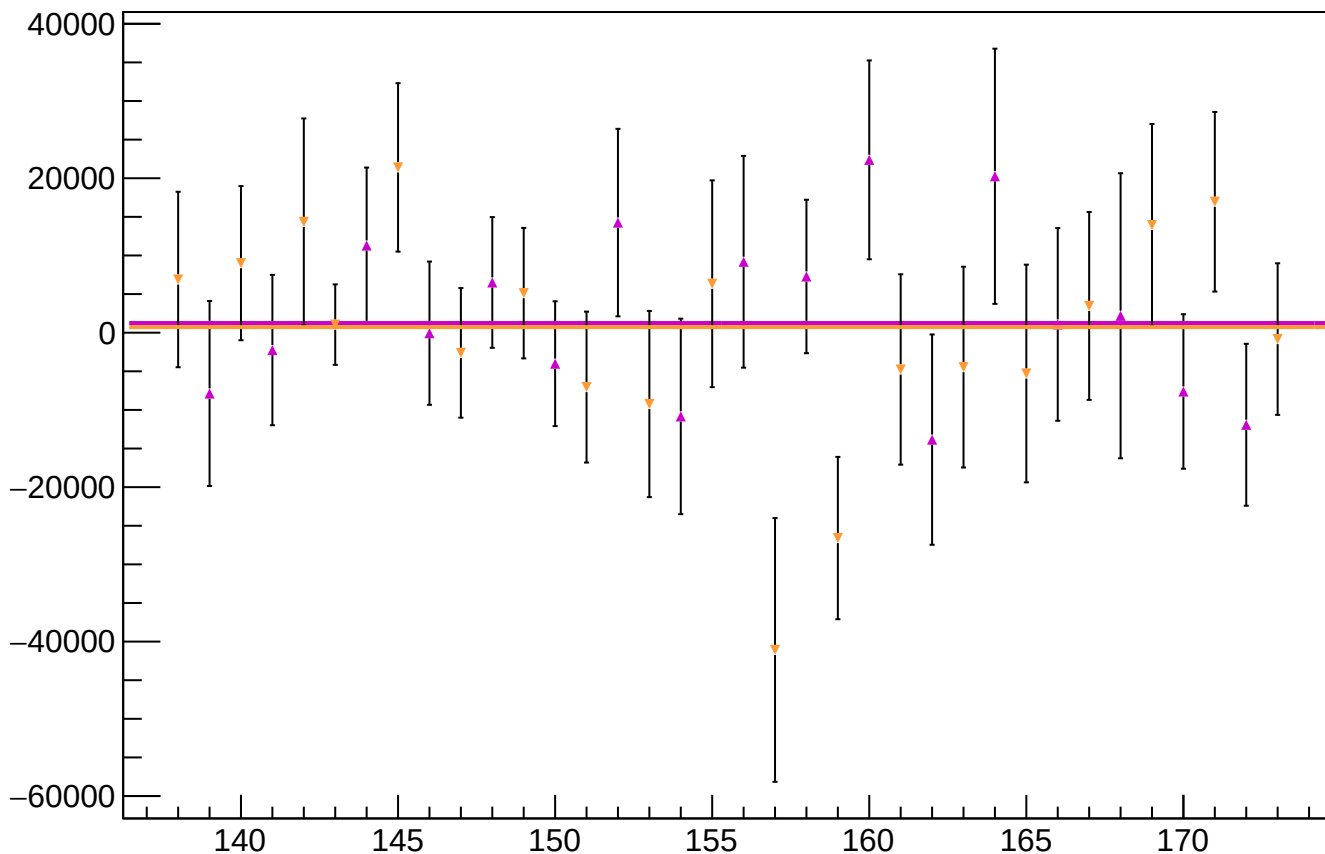
Right: 1908.949 $\pm$ 0.376 χ^2 /NDF: 1395226.1/35

In: 2122.048 $\pm$ 0.340 χ^2 /NDF: 963767.1/33

Out: 2110.802 $\pm$ 0.331 χ^2 /NDF: 1484501.6/37

All: 2116.274 $\pm$ 0.237 χ^2 /NDF: 2448830.7/71

asym_at2_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 724.316+/-2356.405 χ^2/NDF :23.9/18

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

Left In: 1252.855+/-2670.432 χ^2/NDF :12.9/16

Left: 955.696+/-1766.875 χ^2/NDF : 36.8/35

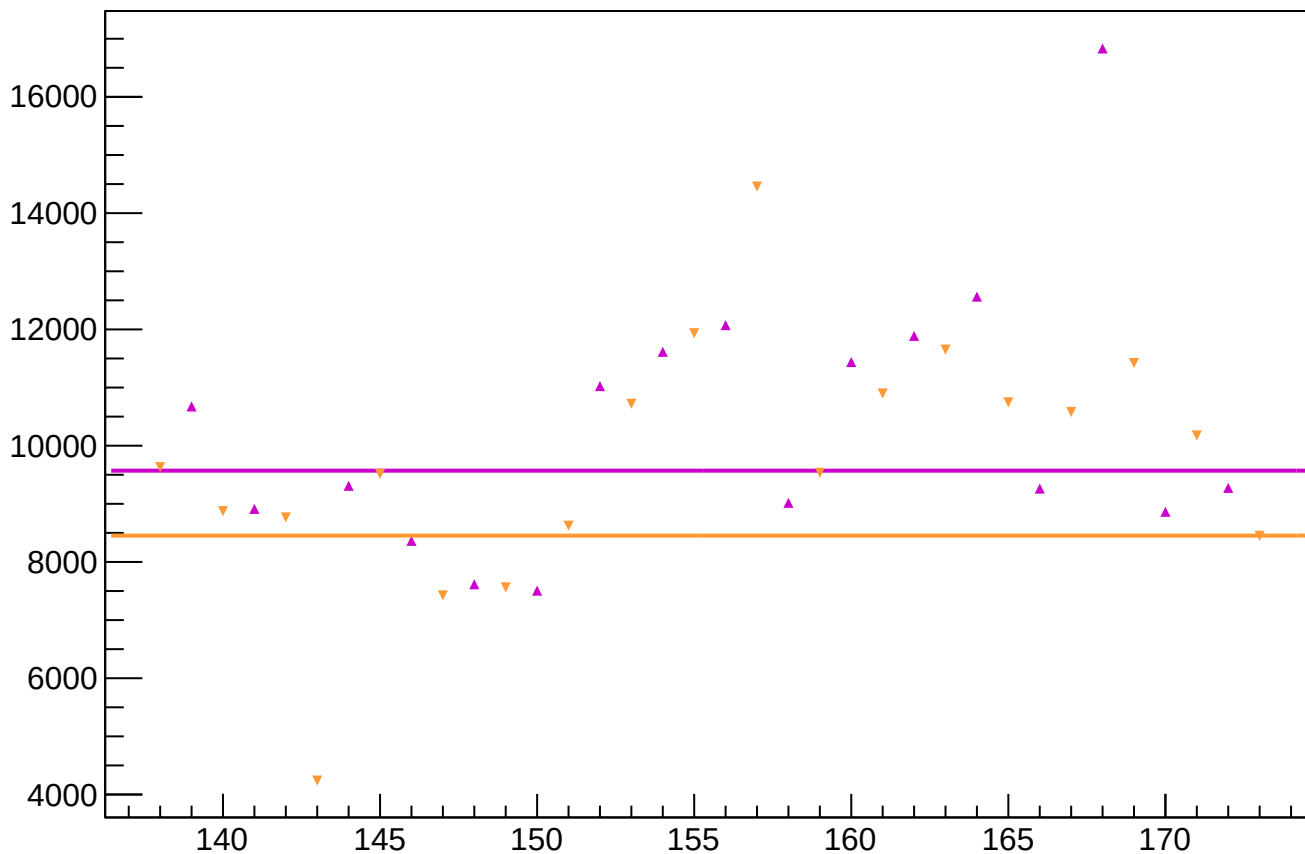
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1252.855+/-2670.432 χ^2/NDF :12.9/16

Out: 724.316+/-2356.405 χ^2/NDF :23.9/18

All: 955.696+/-1766.875 χ^2/NDF : 36.8/35

asym_at2_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 8453.172+/-1.666 χ^2/NDF :2340186.4/18

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

Left In: 9570.476+/-1.888 χ^2/NDF :940327.9/16

Left: 8942.297+/-1.249 χ^2/NDF : 3477358.0/35

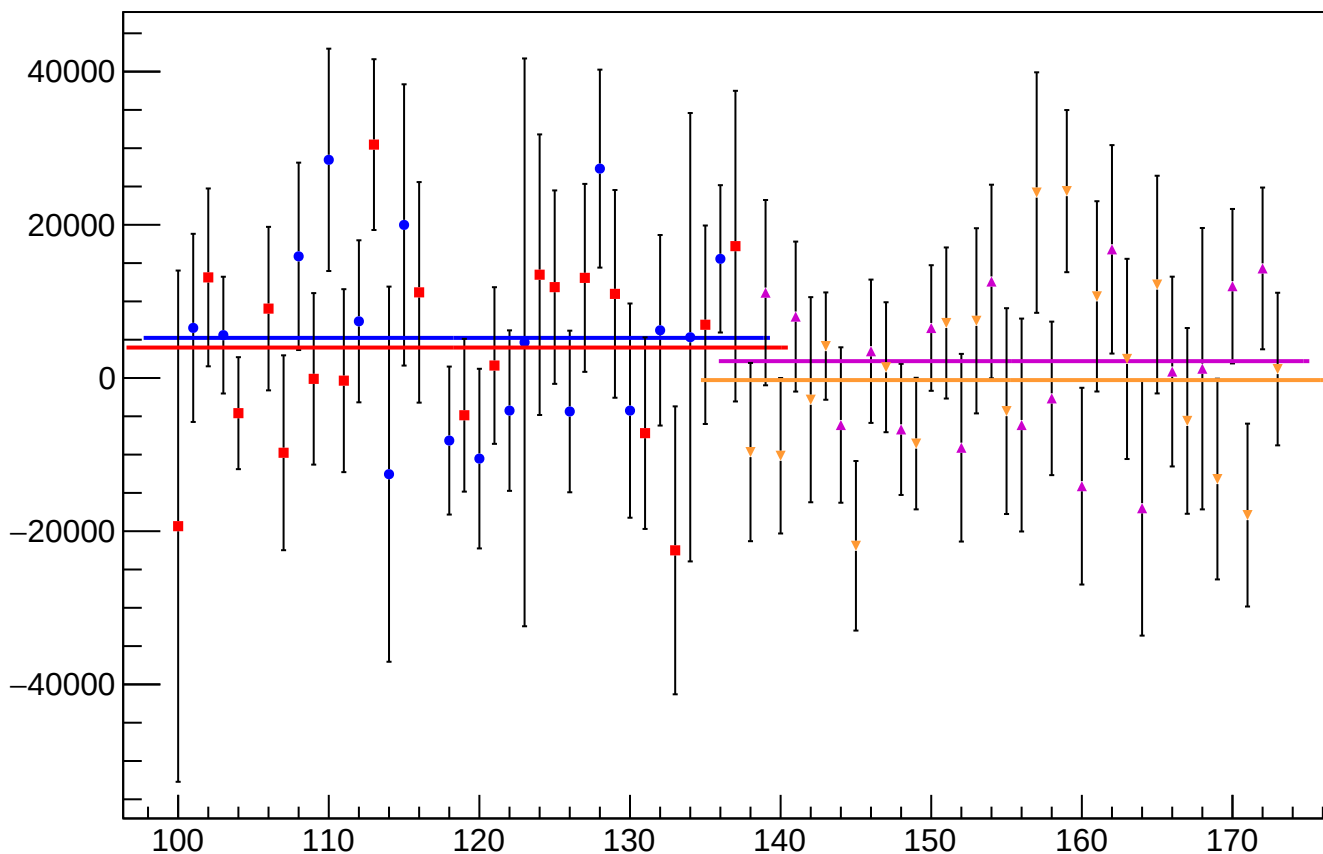
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 9570.476+/-1.888 χ^2/NDF :940327.9/16

Out: 8453.172+/-1.666 χ^2/NDF :2340186.4/18

All: 8942.297+/-1.249 χ^2/NDF : 3477358.0/35

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 5238.554+/-2946.164 χ^2/NDF : 14.5/16

Left Out: -272.034+/-2489.677 χ^2/NDF : 20.7/18

Right Out: 3976.061+/-2790.421 χ^2/NDF : 15.6/18

Left In: 2201.009+/-2688.423 χ^2/NDF : 11.4/16

Left: 869.707+/-1826.693 χ^2/NDF : 32.6/35

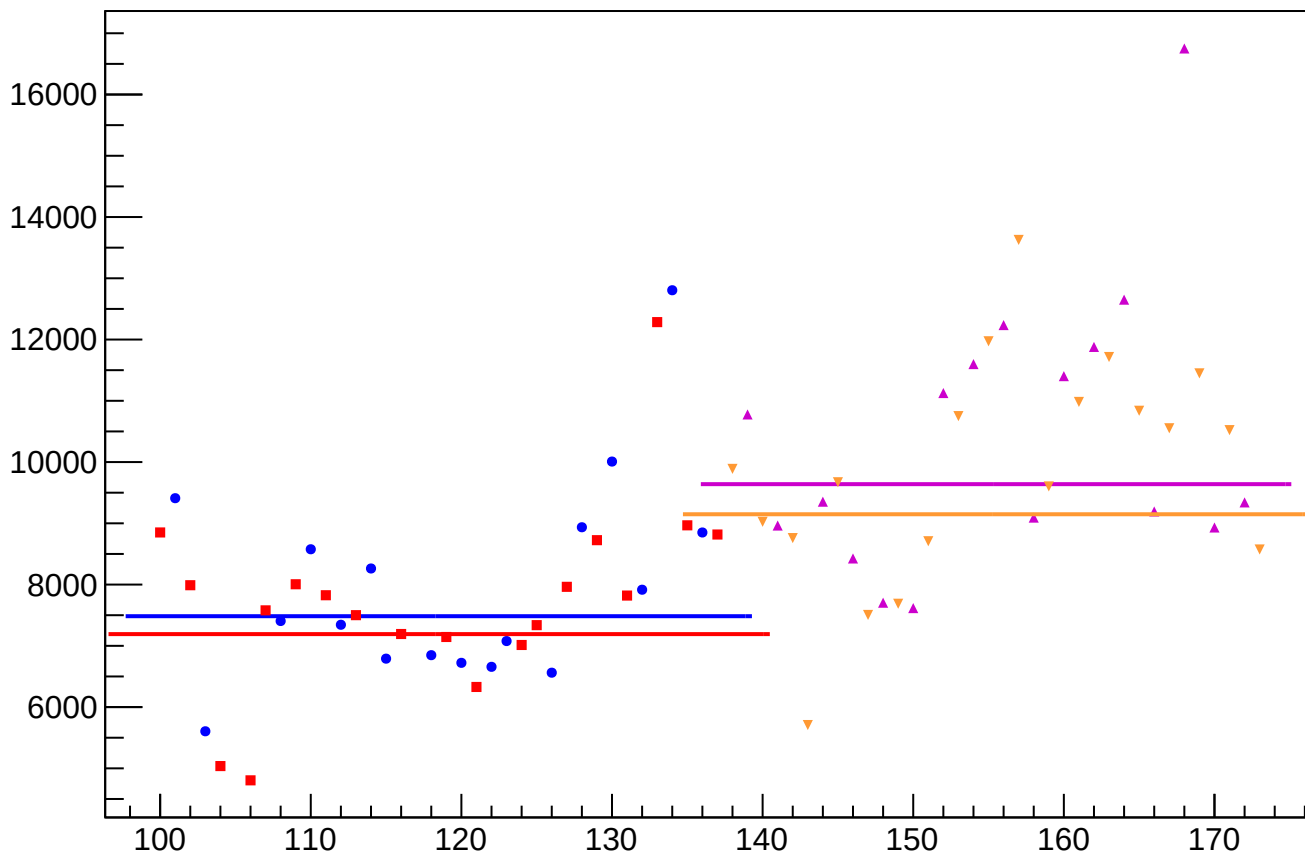
Right: 4573.057+/-2025.948 χ^2/NDF : 30.2/35

In: 3581.126+/-1985.883 χ^2/NDF : 26.5/33

Out: 1610.833+/-1857.729 χ^2/NDF : 37.6/37

All: 2530.359+/-1356.658 χ^2/NDF : 64.7/71

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7483.785 $\pm$ 2.083 χ^2 /NDF: 431806.2/16

Left Out: 9147.994 $\pm$ 1.760 χ^2 /NDF:1194475.3/18

Right Out: 7191.451 $\pm$ 1.973 χ^2 /NDF: 558753.1/18

Left In: 9639.336 $\pm$ 1.901 χ^2 /NDF:911177.2/16

Left: 9374.834 $\pm$ 1.292 χ^2 /NDF: 2141614.8/35

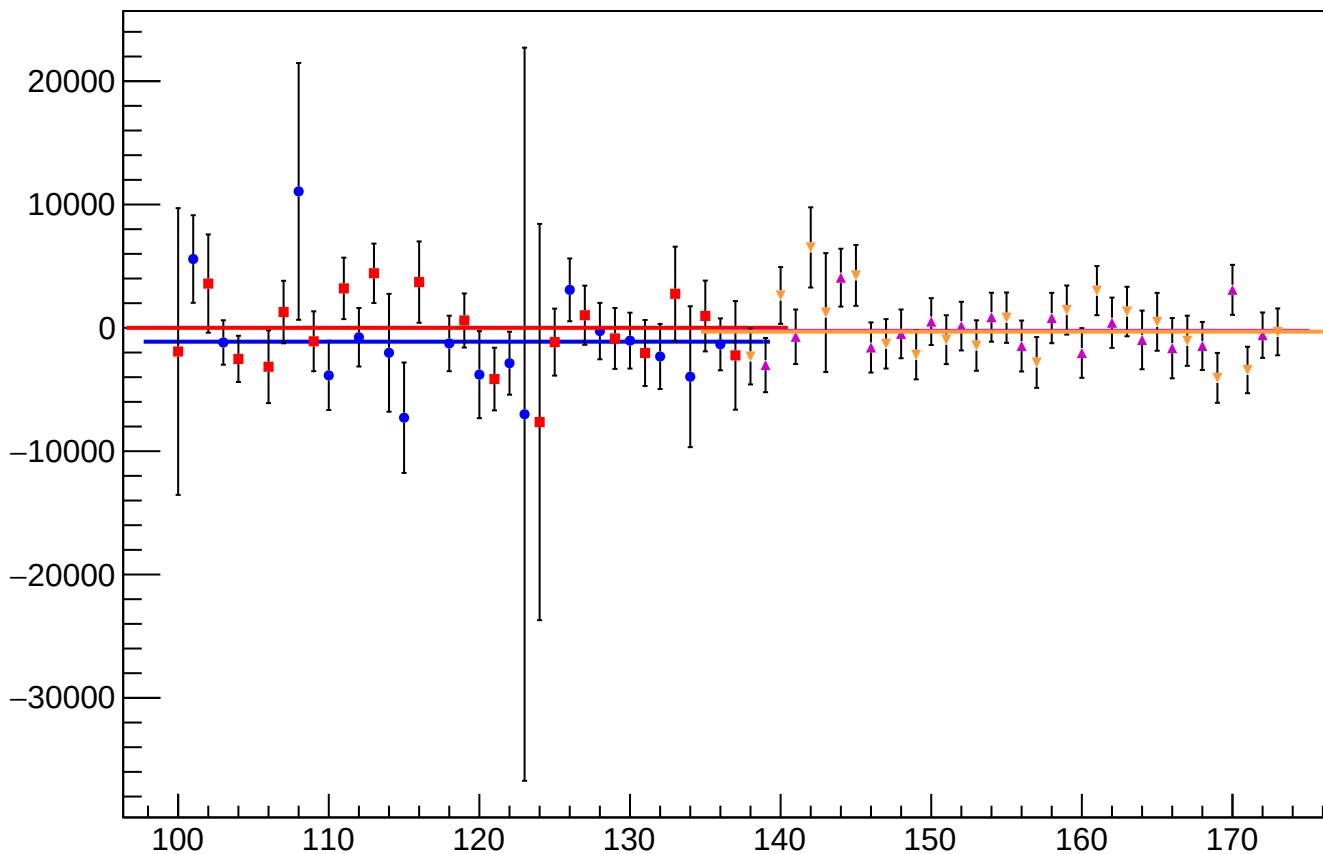
Right: 7329.673 $\pm$ 1.432 χ^2 /NDF: 1000940.7/35

In: 8659.928 $\pm$ 1.404 χ^2 /NDF:1927176.5/33

Out: 8280.679 $\pm$ 1.314 χ^2 /NDF:2300760.9/37

All: 8457.664 $\pm$ 0.959 χ^2 /NDF: 4266839.7/71

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: -1120.496 ± 679.161 $\chi^2/\text{NDF}: 12.3/16$

Left Out: -304.771 ± 491.628 $\chi^2/\text{NDF}: 24.3/18$

Right Out: 2.515 ± 639.678 $\chi^2/\text{NDF}: 15.5/18$

Left In: -241.691 ± 500.713 $\chi^2/\text{NDF}: 11.0/16$

Left: -273.808 ± 350.801 $\chi^2/\text{NDF}: 35.3/35$

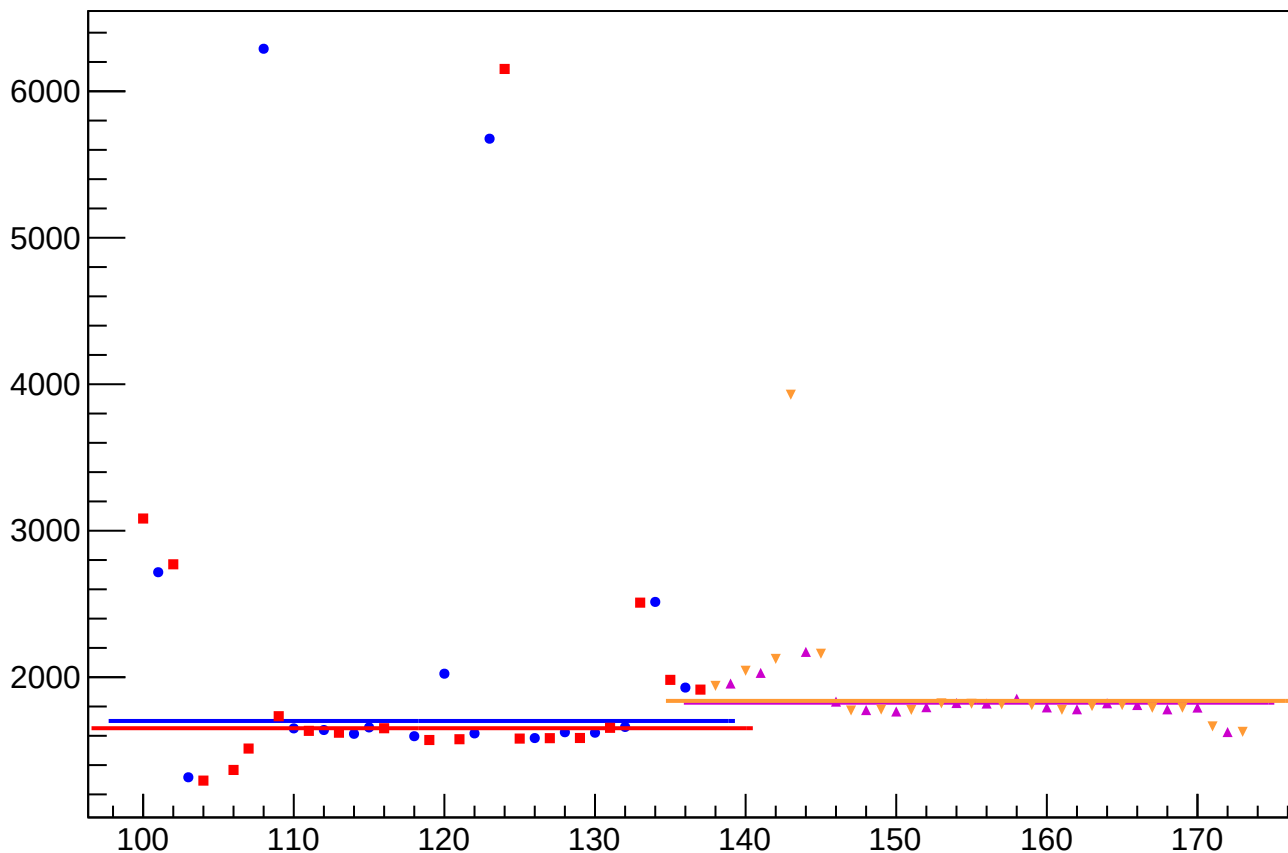
Right: -525.400 ± 465.654 $\chi^2/\text{NDF}: 29.2/35$

In: -551.152 ± 403.023 $\chi^2/\text{NDF}: 24.4/33$

Out: -190.664 ± 389.803 $\chi^2/\text{NDF}: 39.9/37$

All: -364.899 ± 280.190 $\chi^2/\text{NDF}: 64.7/71$

dit_asym_at2_dd_rms vs Slug, Sign Corrected



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

Left Out: 1838.344+/-0.348 χ^2/NDF : 499383.1/18

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

Left In: 1825.962+/-0.354 χ^2/NDF : 98889.7/16

Left: 1832.267+/-0.248 χ^2/NDF : 598895.4/35

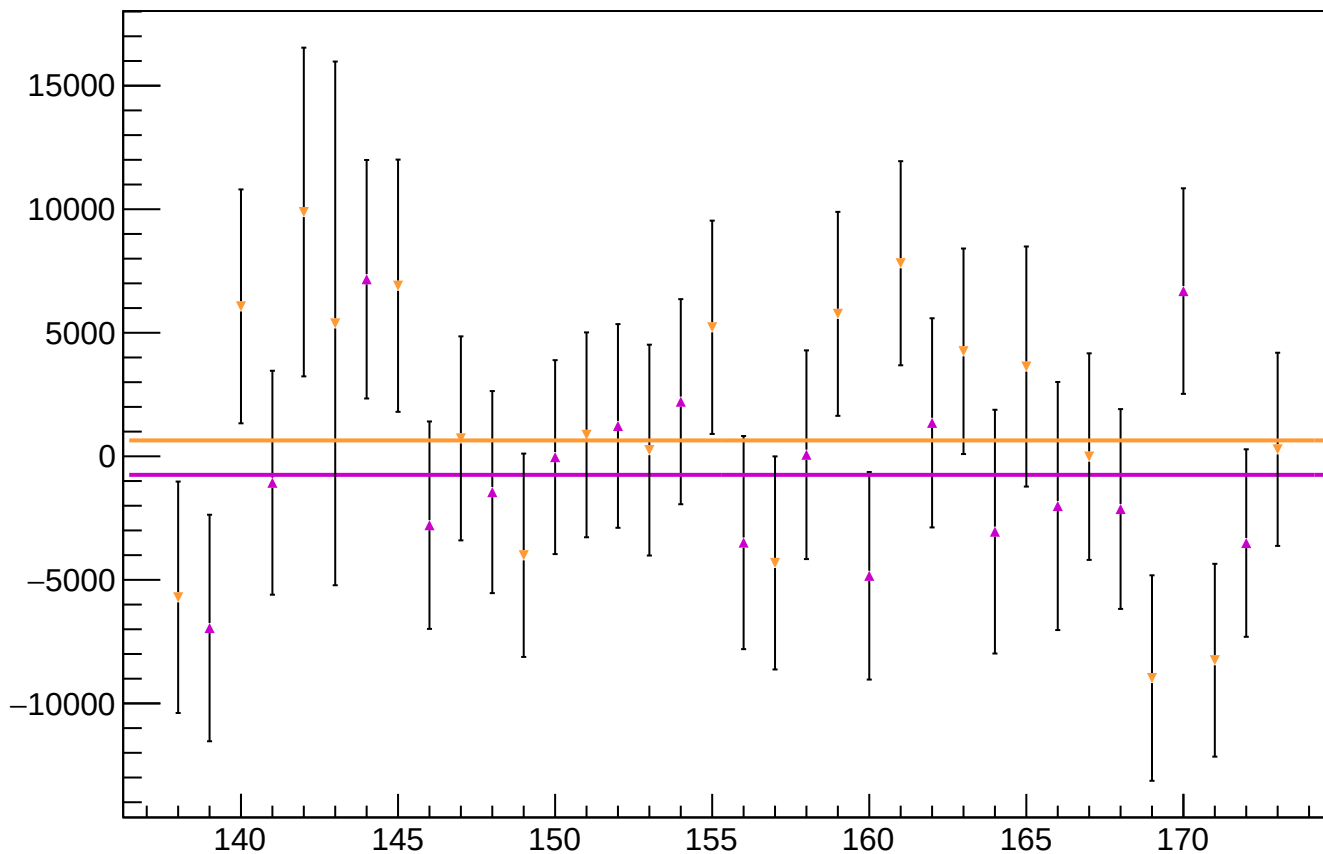
Right: 1675.026+/-0.329 χ^2/NDF : 1373201.9/35

In: 1782.058+/-0.285 χ^2/NDF : 921275.8/33

Out: 1769.049+/-0.276 χ^2/NDF : 1195228.5/37

All: 1775.336+/-0.198 χ^2/NDF : 2117580.9/71

asym_at2_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 643.469+/-1019.522 χ^2/NDF :26.8/18

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

Left In: -749.860+/-1037.447 χ^2/NDF :11.3/16

Left: -41.055+/-727.166 χ^2/NDF : 39.0/35

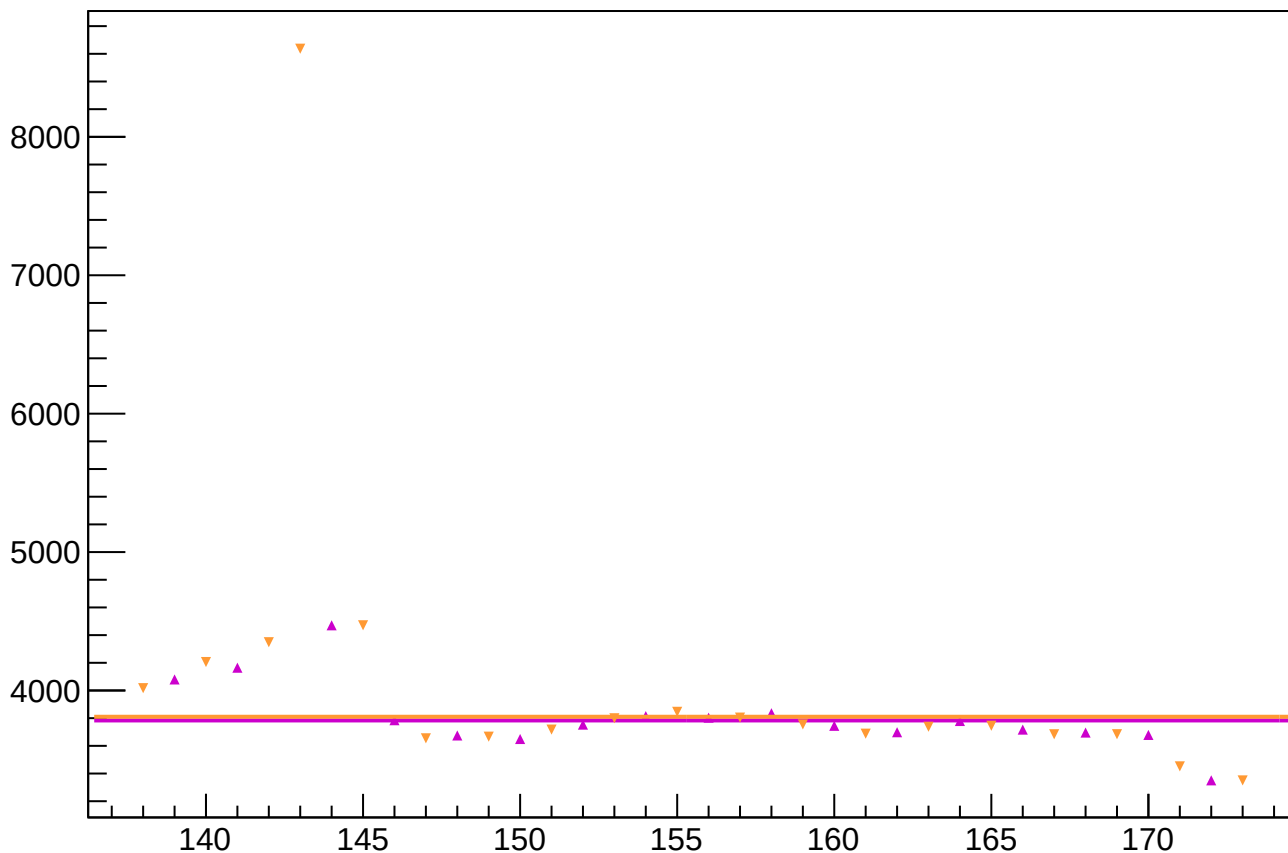
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -749.860+/-1037.447 χ^2/NDF :11.3/16

Out: 643.469+/-1019.522 χ^2/NDF :26.8/18

All: -41.055+/-727.166 χ^2/NDF : 39.0/35

asym_at2_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 3810.199+/-0.721 χ^2/NDF :537072.3/18

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

Left In: 3783.521+/-0.734 χ^2/NDF :96907.6/16

Left: 3797.092+/-0.514 χ^2/NDF : 634652.6/35

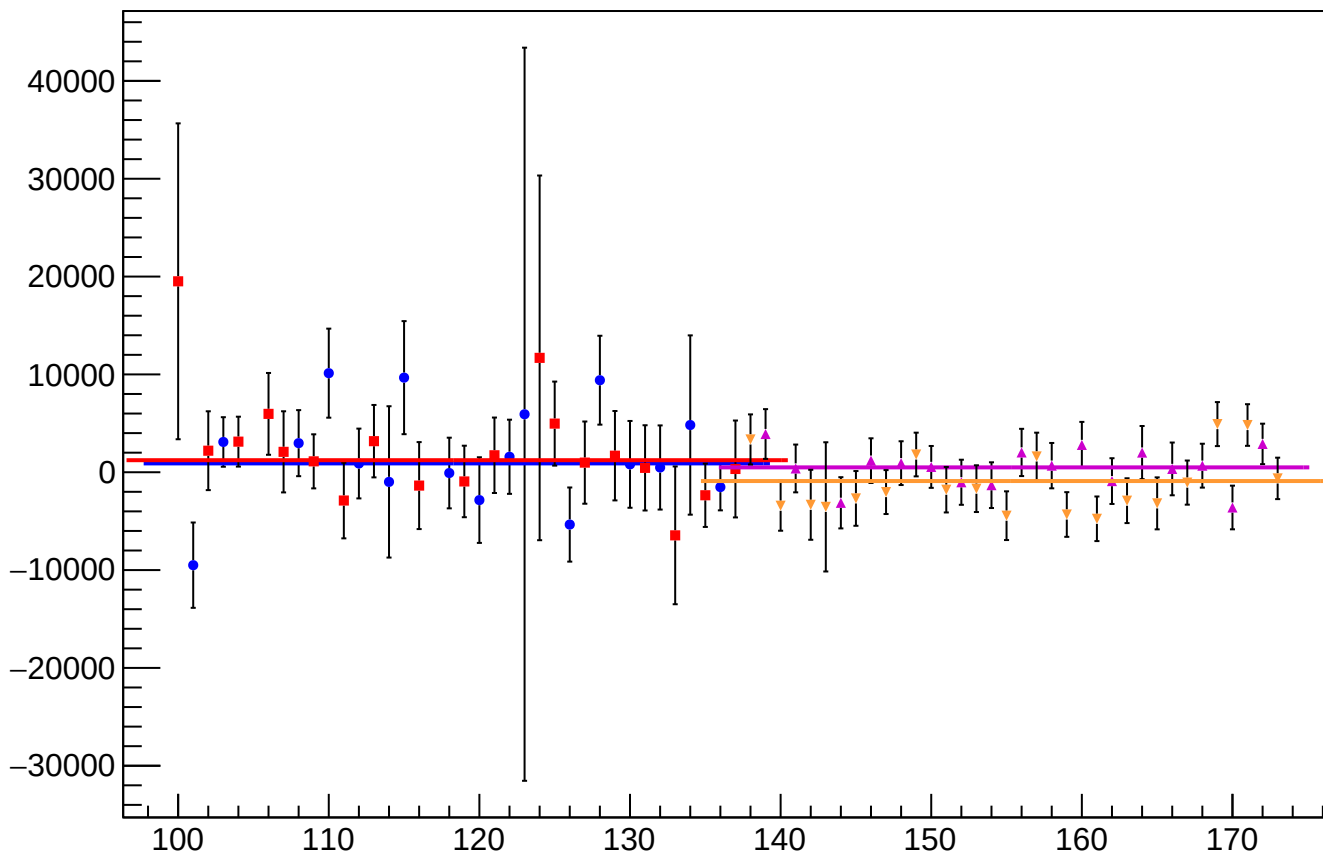
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 3783.521+/-0.734 χ^2/NDF :96907.6/16

Out: 3810.199+/-0.721 χ^2/NDF :537072.3/18

All: 3797.092+/-0.514 χ^2/NDF : 634652.6/35

asym_at2_dd_mean vs Slug, Sign Corrected



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

Left Out: -899.272 $\pm$ 560.856 χ^2 /NDF:30.4/18

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

Left In: 496.977 $\pm$ 570.034 χ^2 /NDF:11.6/16

Left: -212.478 $\pm$ 399.791 χ^2 /NDF: 45.1/35

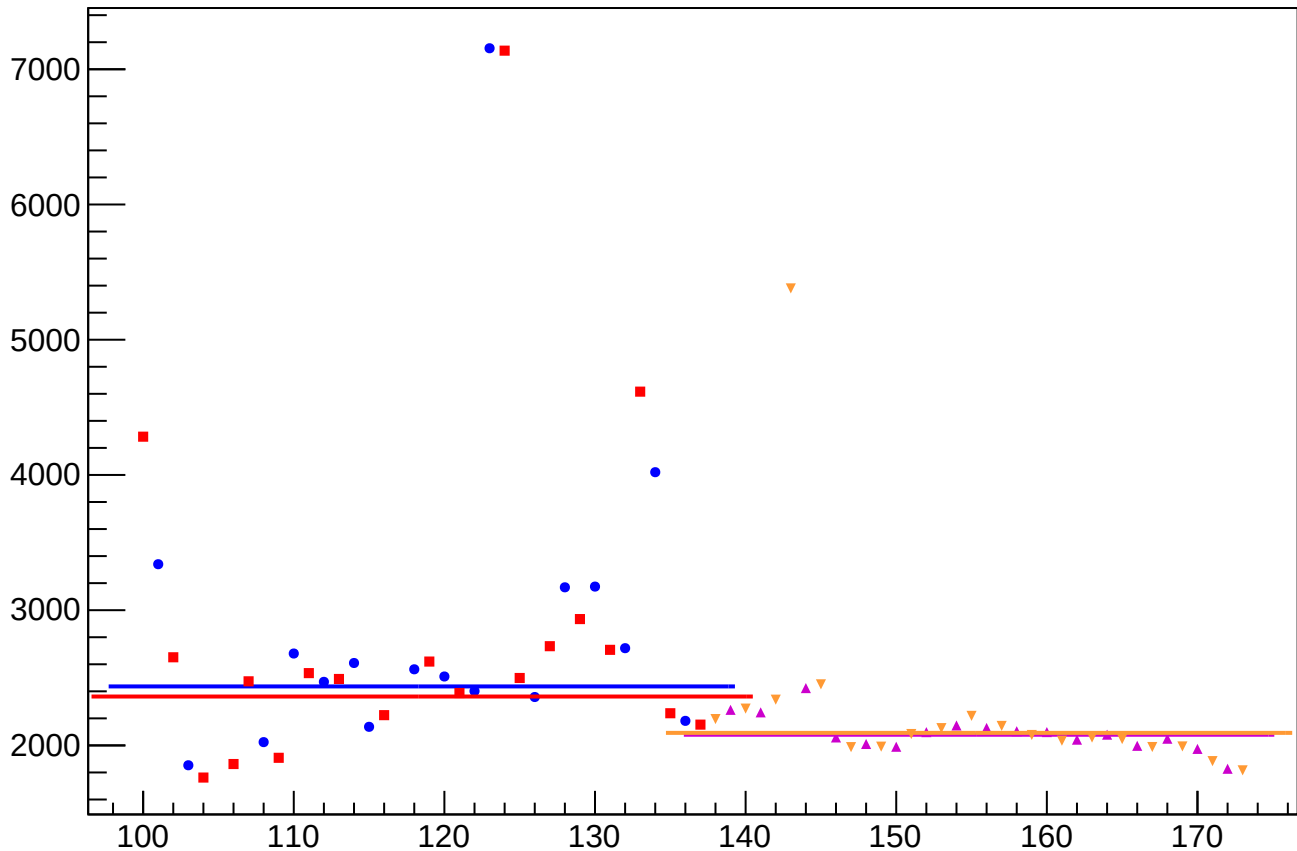
Right: 1073.549 $\pm$ 666.754 χ^2 /NDF: 30.6/35

In: 602.576 $\pm$ 490.393 χ^2 /NDF:33.4/33

Out: -326.652 $\pm$ 479.590 χ^2 /NDF:43.2/37

All: 127.613 $\pm$ 342.877 χ^2 /NDF: 78.4/71

asym_at2_dd_rms vs Slug, Sign Corrected



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

Left Out: 2092.781+/-0.397 χ^2/NDF : 630084.0/18

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

Left In: 2078.851+/-0.403 χ^2/NDF : 99613.8/16

Left: 2085.929+/-0.283 χ^2/NDF : 730304.6/35

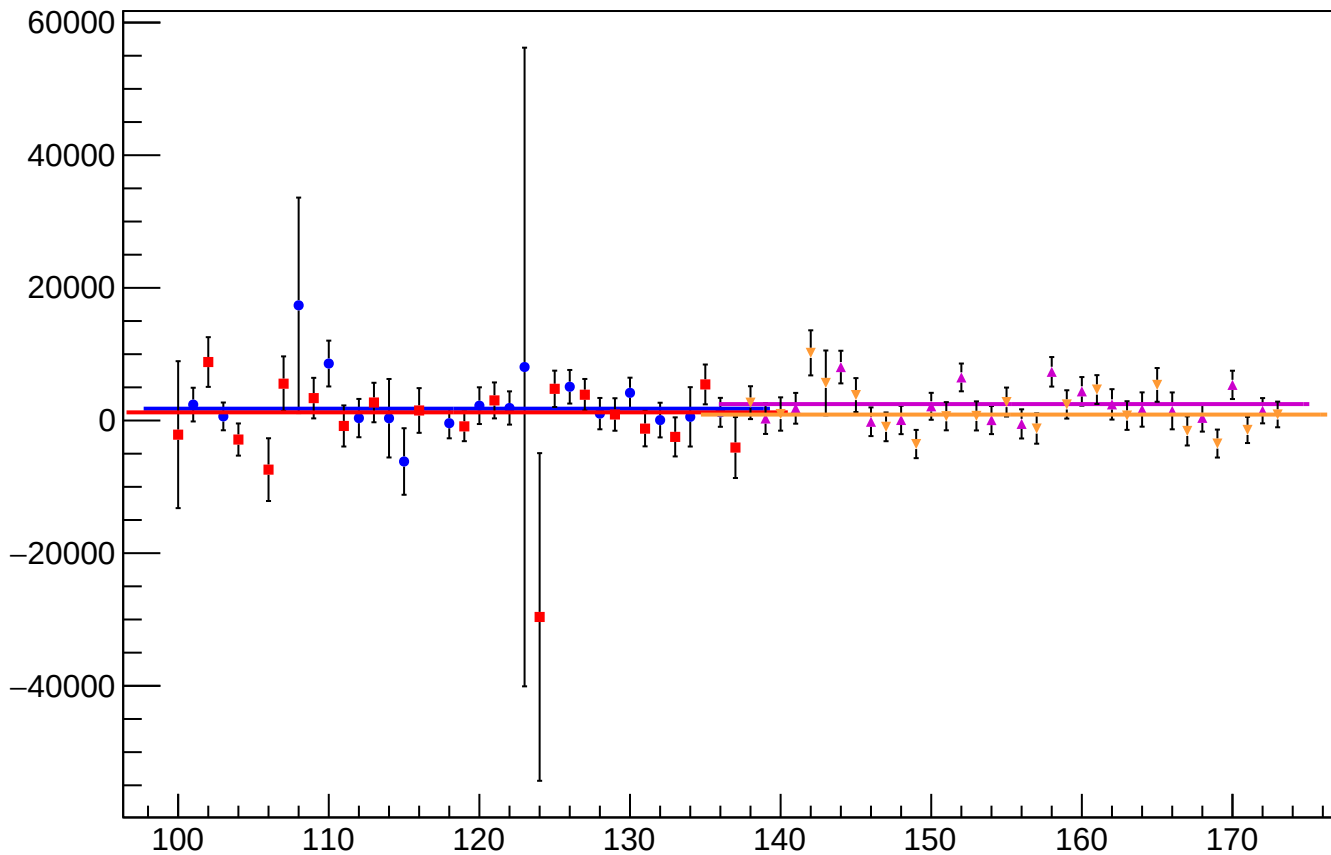
Right: 2397.448+/-0.471 χ^2/NDF : 1130664.2/35

In: 2171.742+/-0.347 χ^2/NDF : 772512.2/33

Out: 2165.028+/-0.339 χ^2/NDF : 1409395.2/37

All: 2168.311+/-0.242 χ^2/NDF : 2182099.0/71

dit_asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: 895.104 $\pm$ 525.482 χ^2 /NDF:30.5/18

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

Left In: 2477.246 $\pm$ 535.914 χ^2 /NDF:24.6/16

Left: 1670.626 $\pm$ 375.206 χ^2 /NDF: 59.6/35

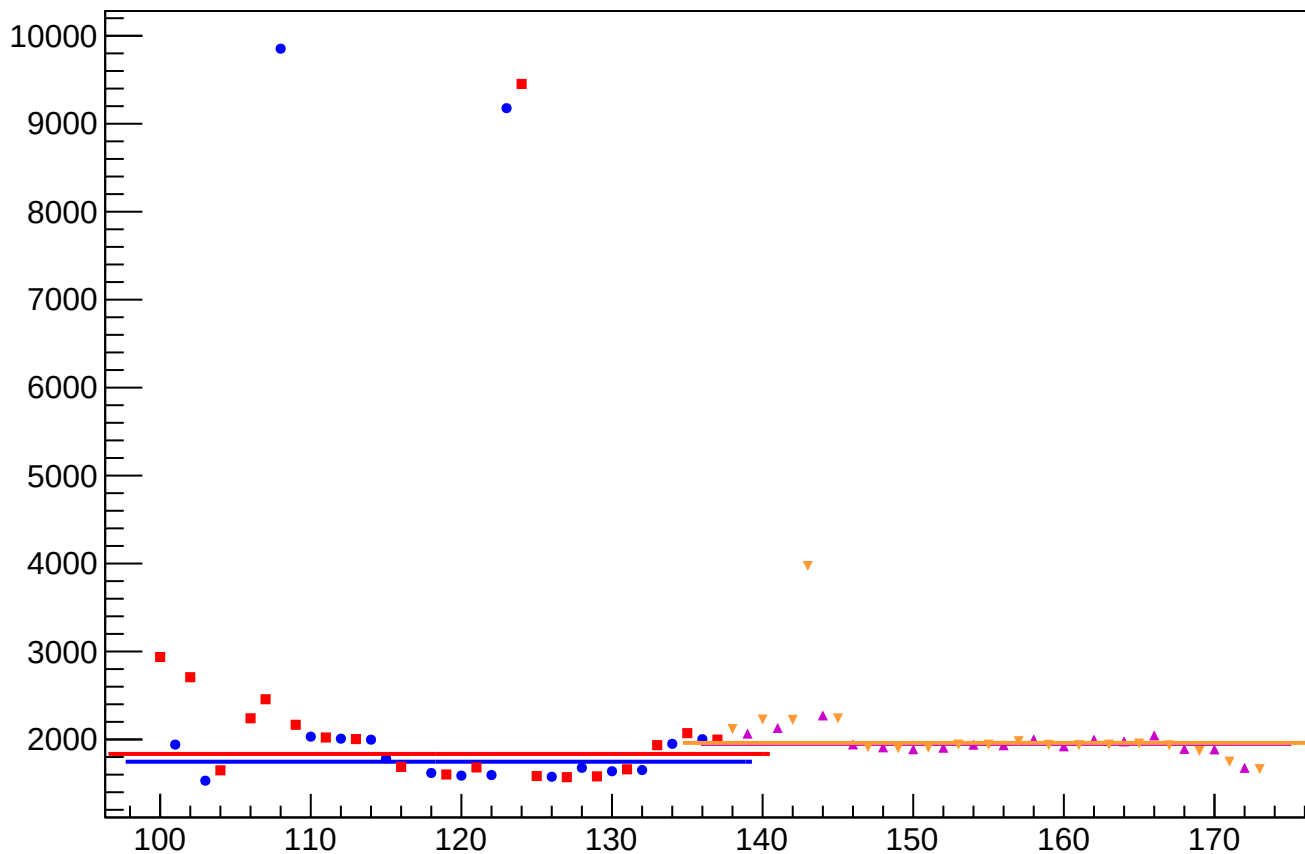
Right: 1511.828 $\pm$ 495.804 χ^2 /NDF: 37.0/35

In: 2218.284 $\pm$ 424.259 χ^2 /NDF:37.7/33

Out: 1013.777 $\pm$ 421.989 χ^2 /NDF:54.9/37

All: 1612.801 $\pm$ 299.191 χ^2 /NDF: 96.6/71

dit_asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 1960.738+/-0.372 χ^2/NDF : 484686.9/18

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

Left In: 1949.203+/-0.379 χ^2/NDF : 104697.0/16

Left: 1955.084+/-0.265 χ^2/NDF : 589856.3/35

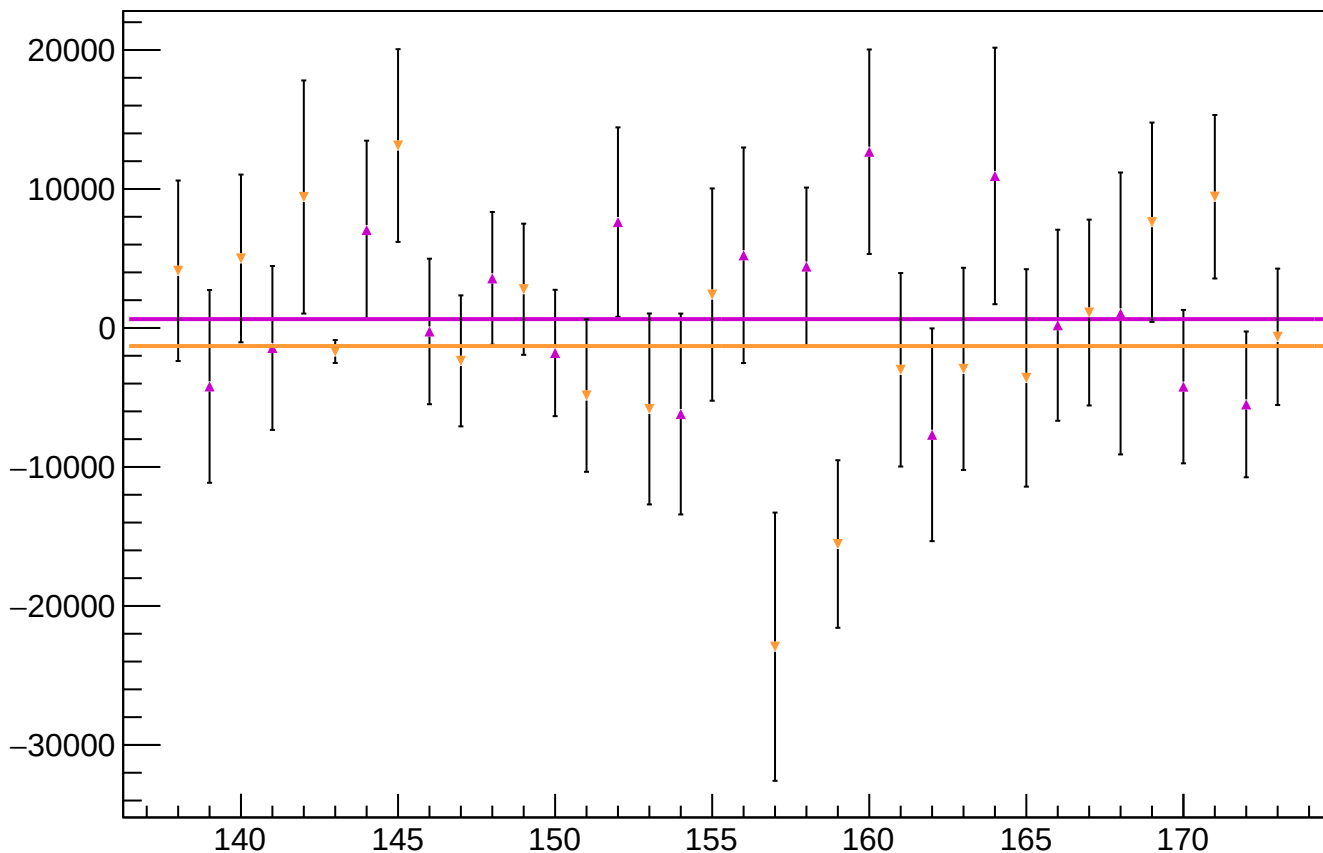
Right: 1790.310+/-0.350 χ^2/NDF : 1248859.1/35

In: 1873.663+/-0.300 χ^2/NDF : 893634.6/33

Out: 1916.166+/-0.298 χ^2/NDF : 1075549.3/37

All: 1895.037+/-0.212 χ^2/NDF : 1979278.0/71

asym_atl_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1300.708+/-720.602 χ^2/NDF :25.7/18

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

Left In: 636.741+/-1510.827 χ^2/NDF :12.3/16

Left: -941.642+/-650.409 χ^2/NDF : 39.3/35

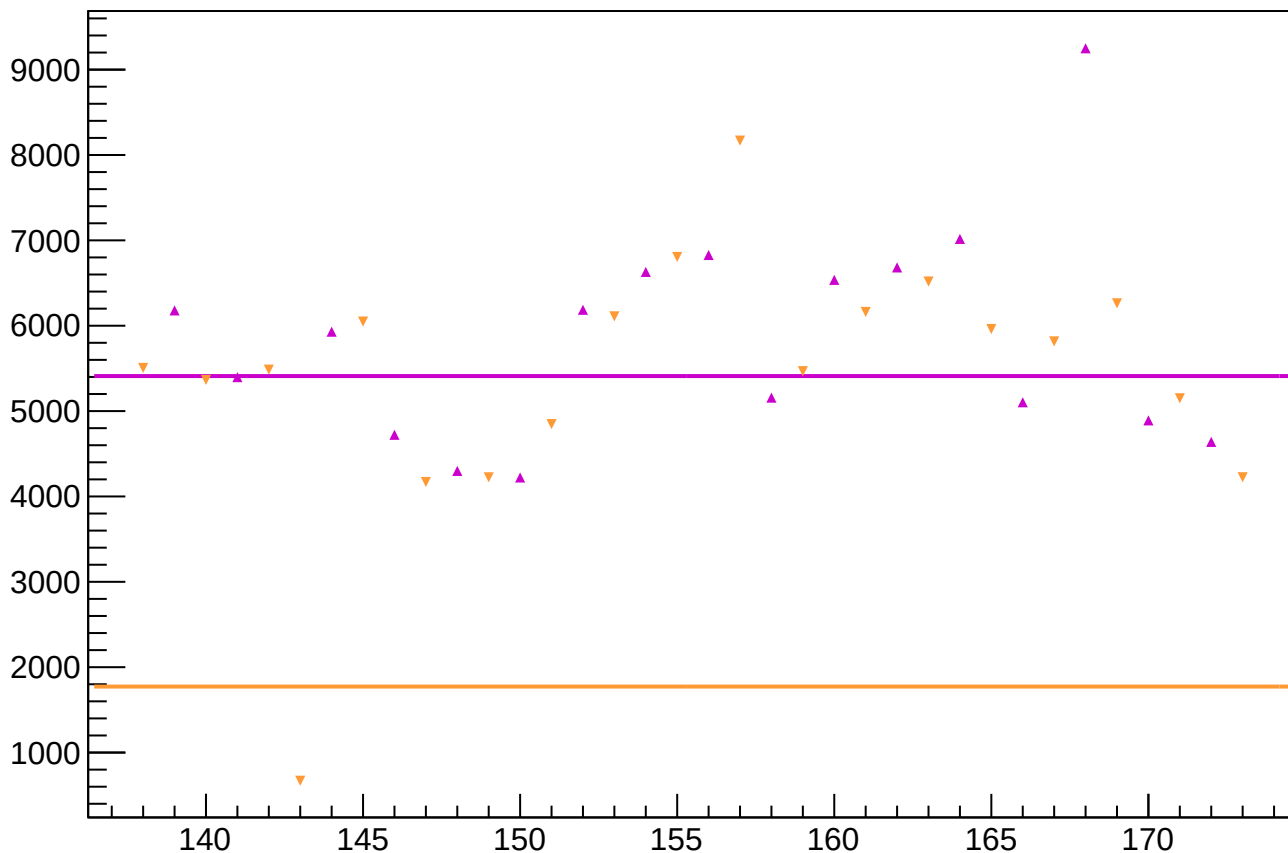
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 636.741+/-1510.827 χ^2/NDF :12.3/16

Out: -1300.708+/-720.602 χ^2/NDF :25.7/18

All: -941.642+/-650.409 χ^2/NDF : 39.3/35

asym_atl_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1772.922+/-0.510 χ^2/NDF :15979066.8/18

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

Left In: 5410.263+/-1.068 χ^2/NDF :985278.5/16

Left: 2447.028+/-0.460 χ^2/NDF : 26408234.7/35

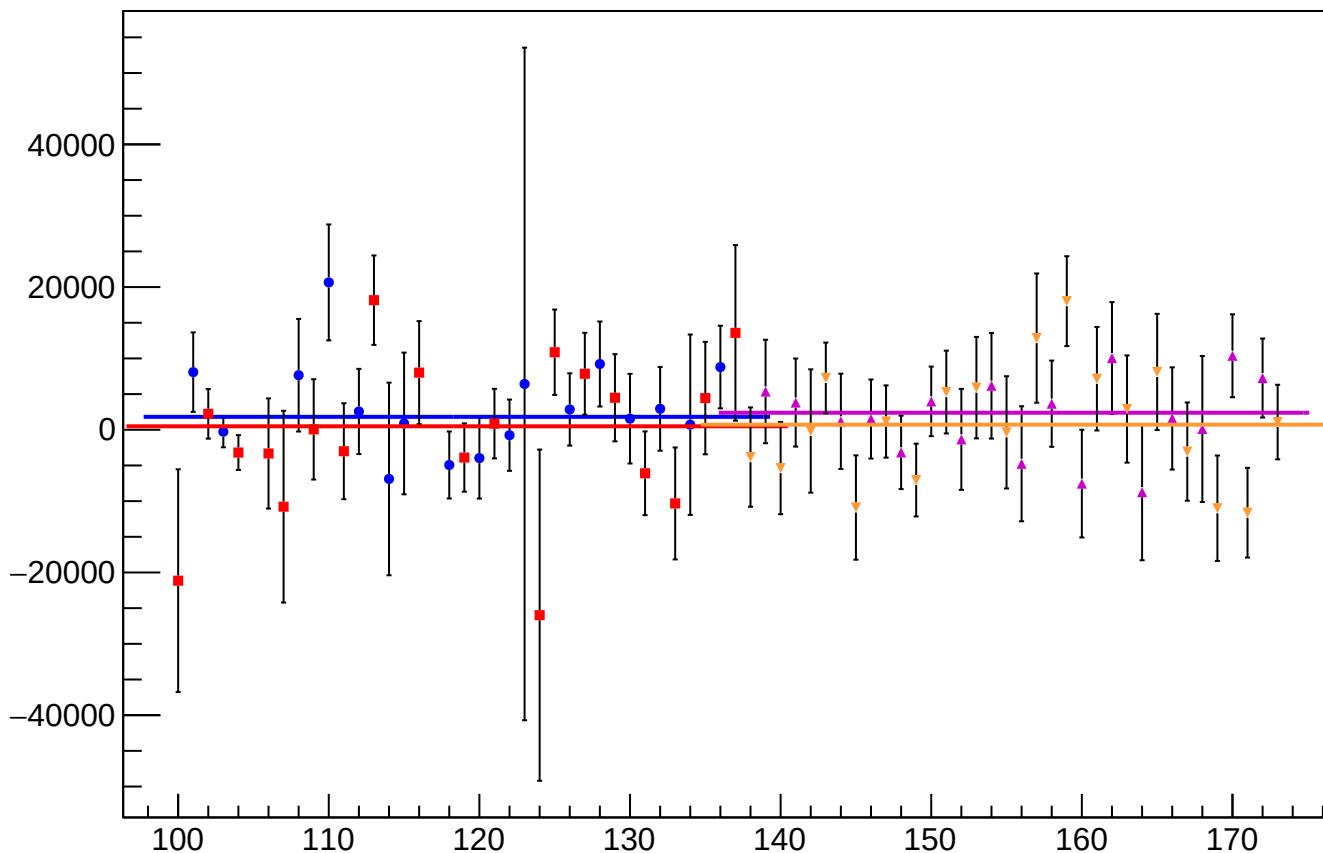
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 5410.263+/-1.068 χ^2/NDF :985278.5/16

Out: 1772.922+/-0.510 χ^2/NDF :15979066.8/18

All: 2447.028+/-0.460 χ^2/NDF : 26408234.7/35

asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: 717.338+/-1488.900 χ^2/NDF : 26.8/18

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

Left In: 2389.898+/-1586.893 χ^2/NDF : 9.7/16

Left: 1500.385+/-1085.802 χ^2/NDF : 37.1/35

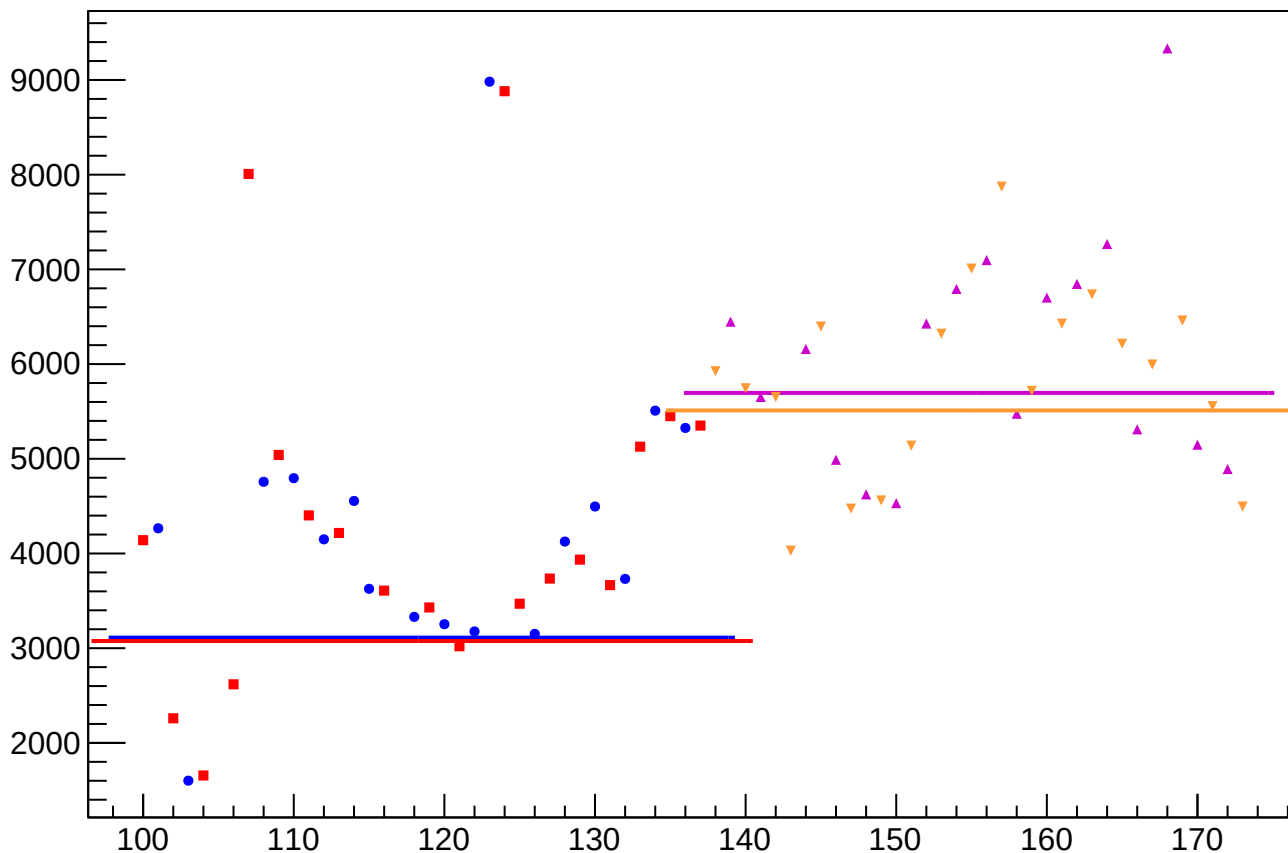
Right: 1143.505+/-914.731 χ^2/NDF : 42.0/35

In: 2045.717+/-1006.244 χ^2/NDF : 24.8/33

Out: 586.201+/-973.263 χ^2/NDF : 53.3/37

All: 1291.649+/-699.570 χ^2/NDF : 79.1/71

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3111.560 $\pm$ 0.920 χ^2/NDF : 1878991.5/16

Left Out: 5510.377 $\pm$ 1.053 χ^2/NDF : 834835.8/18

Right Out: 3075.800 $\pm$ 0.896 χ^2/NDF : 2009557.4/18

Left In: 5695.364 $\pm$ 1.122 χ^2/NDF : 844124.3/16

Left: 5596.983 $\pm$ 0.768 χ^2/NDF : 1693414.1/35

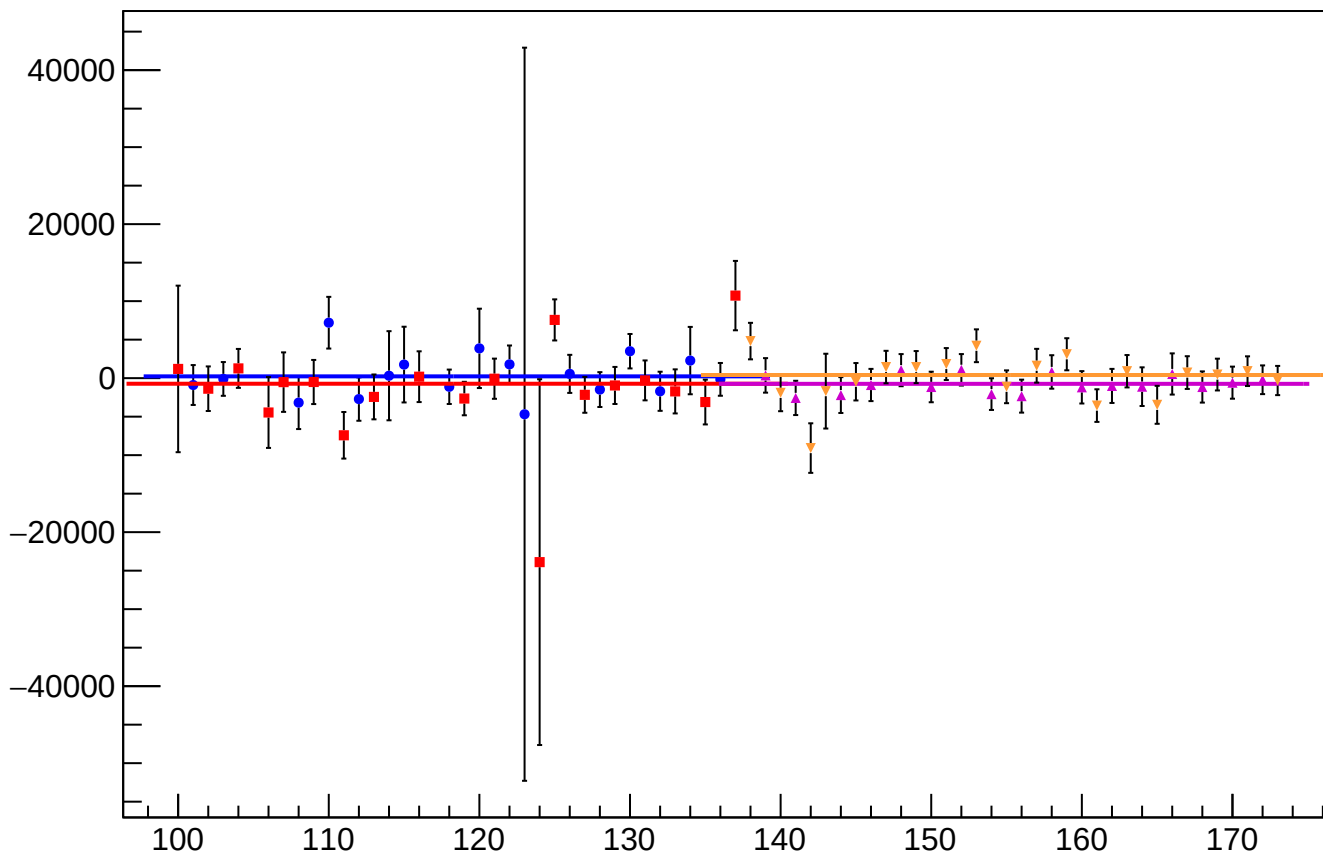
Right: 3093.209 $\pm$ 0.642 χ^2/NDF : 3889323.9/35

In: 4150.447 $\pm$ 0.712 χ^2/NDF : 5893410.9/33

Out: 4098.753 $\pm$ 0.682 χ^2/NDF : 5944963.2/37

All: 4123.522 $\pm$ 0.493 χ^2/NDF : 11841123.4/70

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 232.323 $\pm$ 686.786 χ^2 /NDF: 11.5/16

Left Out: 407.665 $\pm$ 509.897 χ^2 /NDF: 26.3/18

Right Out: -726.169 $\pm$ 684.175 χ^2 /NDF: 25.8/18

Left In: -738.826 $\pm$ 520.221 χ^2 /NDF: 4.8/16

Left: -154.091 $\pm$ 364.147 χ^2 /NDF: 33.6/35

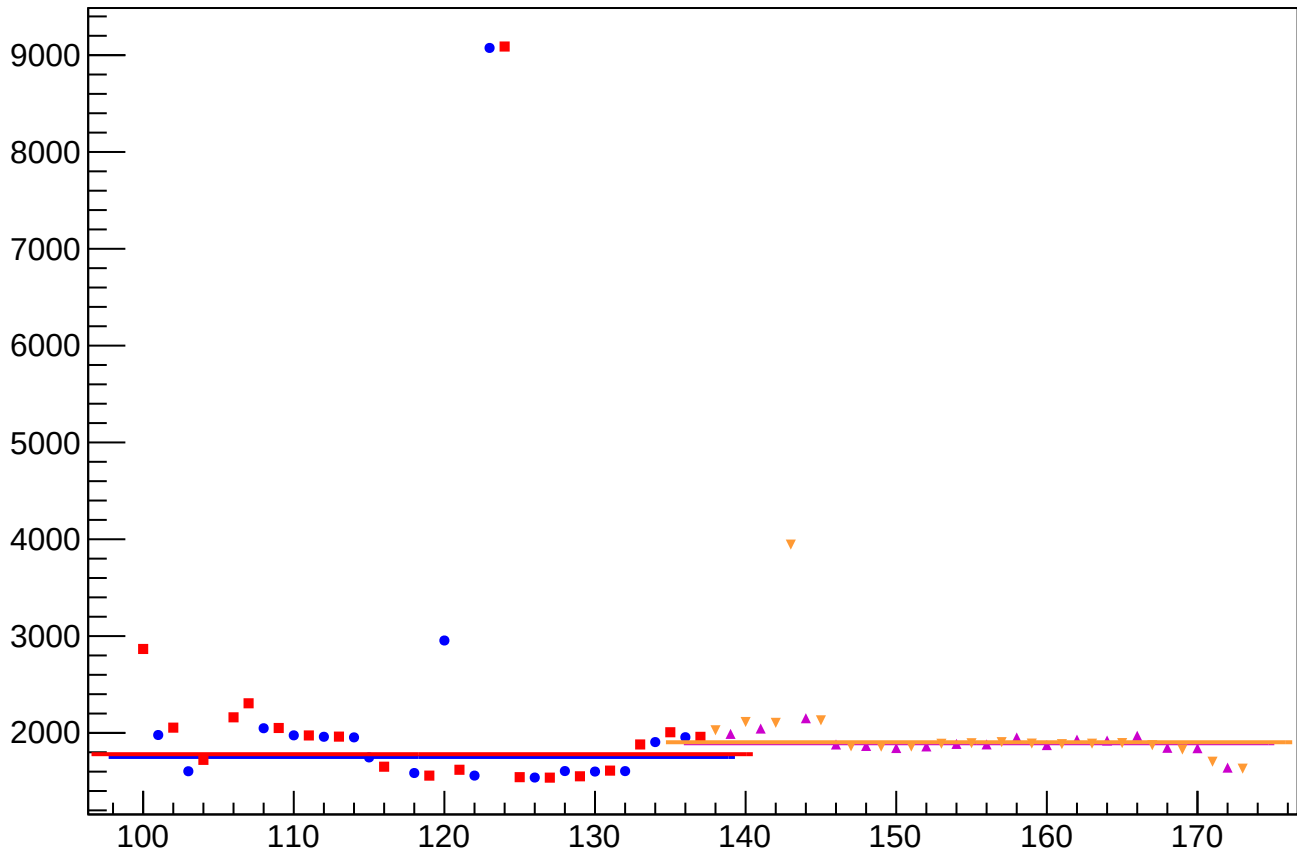
Right: -248.748 $\pm$ 484.705 χ^2 /NDF: 38.3/35

In: -384.764 $\pm$ 414.685 χ^2 /NDF: 17.6/33

Out: 2.783 $\pm$ 408.843 χ^2 /NDF: 53.9/37

All: -188.242 $\pm$ 291.139 χ^2 /NDF: 71.9/71

dit_asym_atl_dd_rms vs Slug, Sign Corrected



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

Left Out: 1903.549+/-0.361 χ^2/NDF : 468731.7/18

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

Left In: 1893.199+/-0.368 χ^2/NDF : 82802.2/16

Left: 1898.477+/-0.257 χ^2/NDF : 551937.7/35

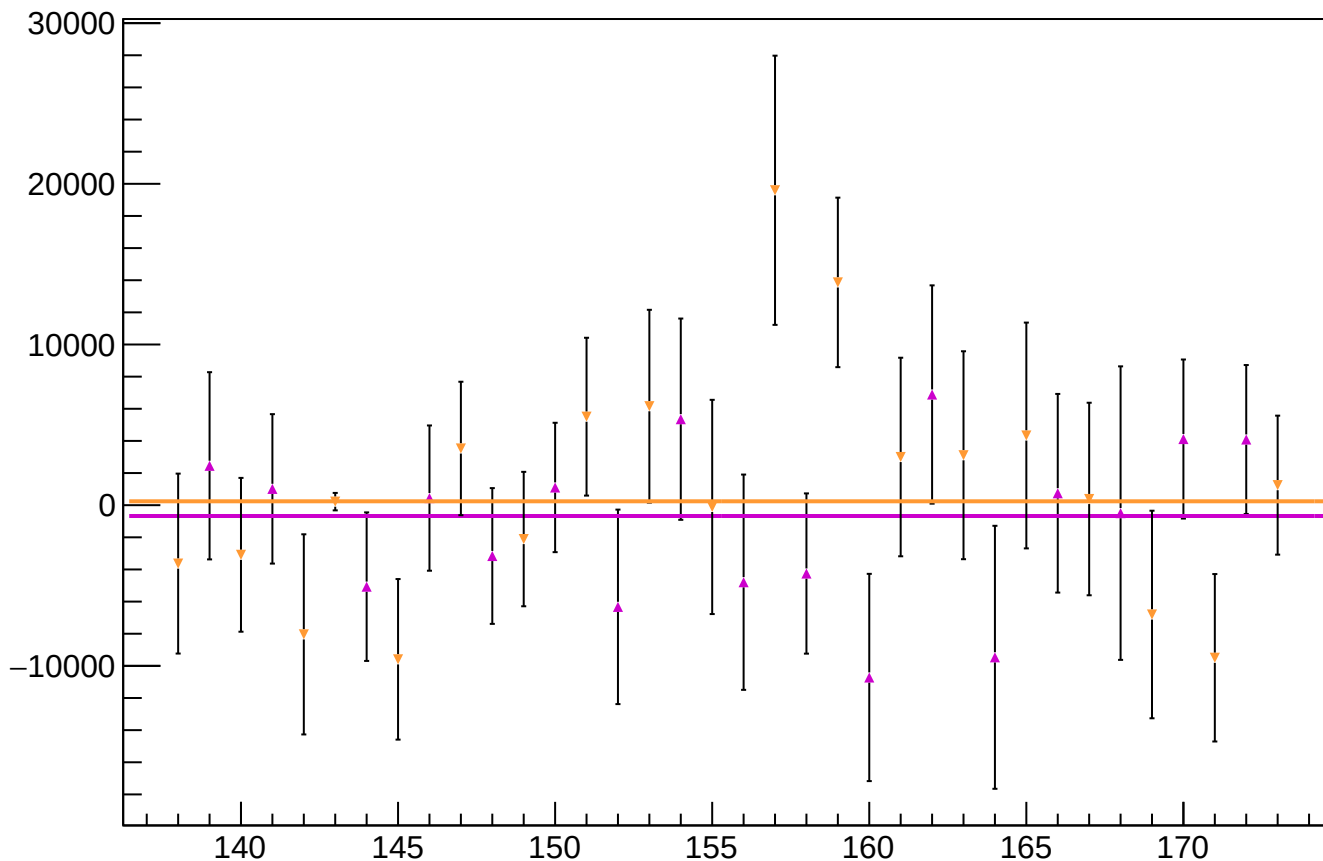
Right: 1766.106+/-0.342 χ^2/NDF : 730940.0/35

In: 1841.666+/-0.293 χ^2/NDF : 437531.1/33

Out: 1859.415+/-0.289 χ^2/NDF : 938932.6/37

All: 1850.671+/-0.206 χ^2/NDF : 1378322.8/71

asym_atl_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 242.111+/-499.785 χ^2/NDF : 27.2/18

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

Left In: -673.380+/-1301.098 χ^2/NDF : 11.5/16

Left: 124.397+/-466.548 χ^2/NDF : 39.1/35

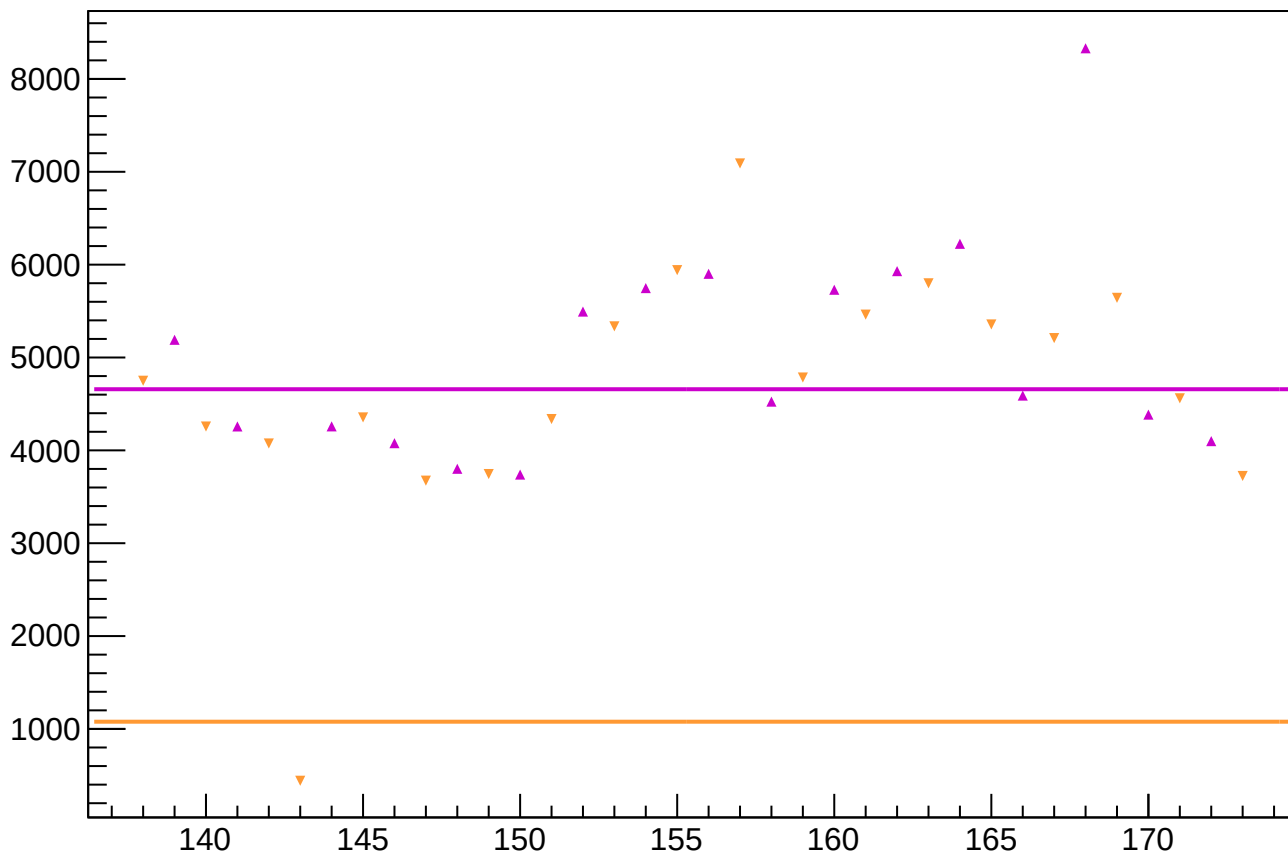
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -673.380+/-1301.098 χ^2/NDF : 11.5/16

Out: 242.111+/-499.785 χ^2/NDF : 27.2/18

All: 124.397+/-466.548 χ^2/NDF : 39.1/35

asym_atl_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1077.735+/-0.353 χ^2/NDF :18782004.7/18

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

Left In: 4658.353+/-0.920 χ^2/NDF :992313.0/16

Left: 1538.131+/-0.330 χ^2/NDF : 32973701.6/35

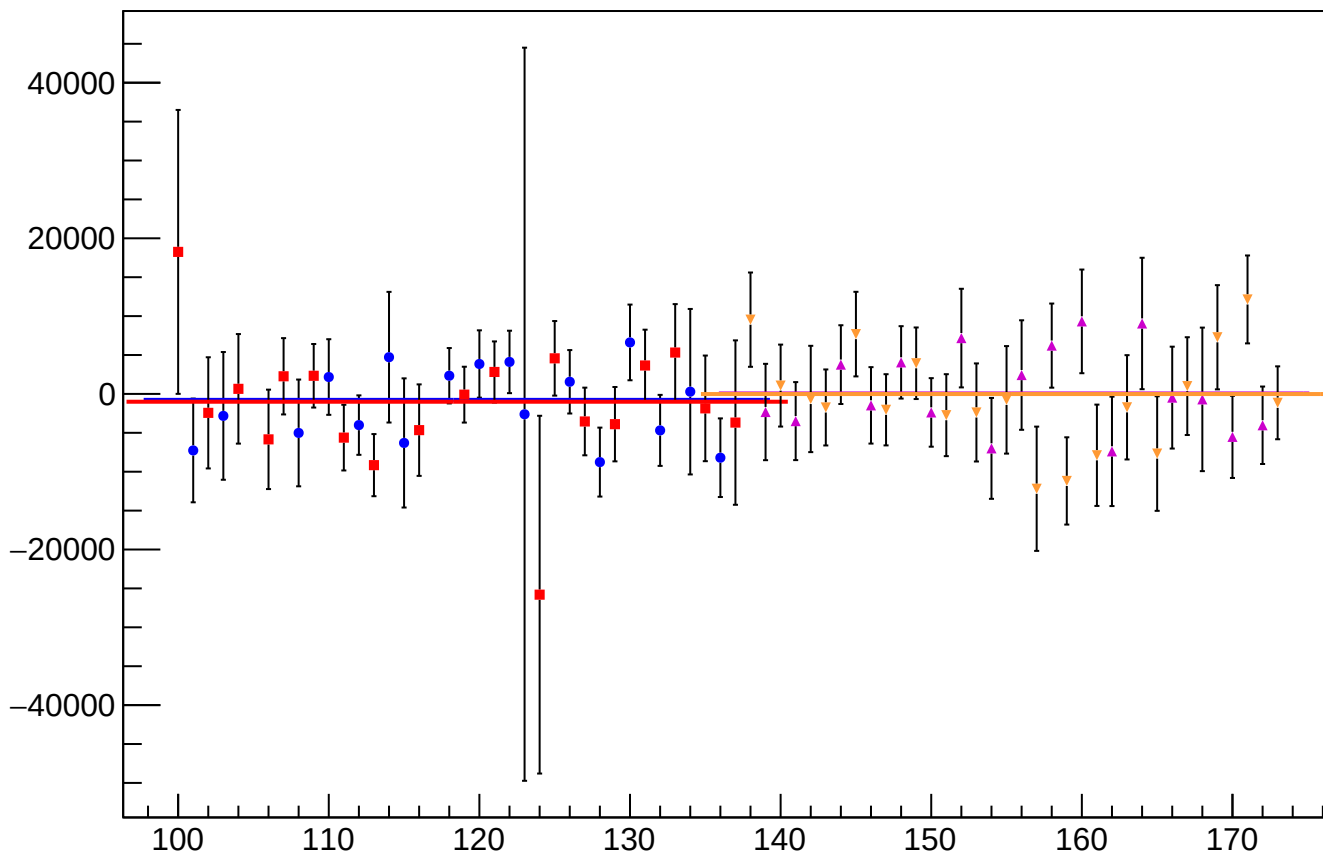
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4658.353+/-0.920 χ^2/NDF :992313.0/16

Out: 1077.735+/-0.353 χ^2/NDF :18782004.7/18

All: 1538.131+/-0.330 χ^2/NDF : 32973701.6/35

asym_atl_dd_mean vs Slug, Sign Corrected



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

Left Out: -17.786+/-1320.030 χ^2/NDF : 20.8/18

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

Left In: 62.062+/-1393.244 χ^2/NDF : 12.2/16

Left: 19.985+/-958.240 χ^2/NDF : 33.0/35

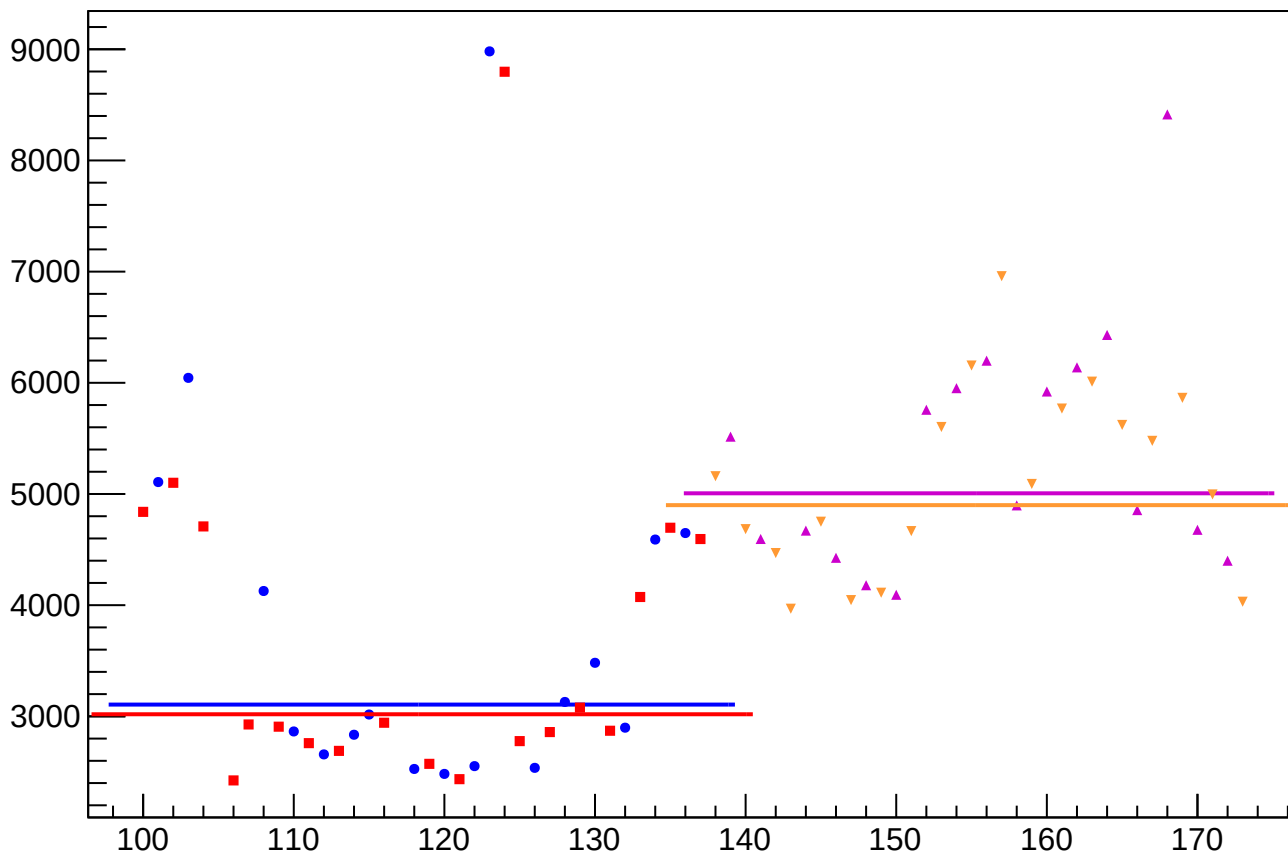
Right: -890.508+/-861.557 χ^2/NDF : 30.6/35

In: -396.969+/-929.470 χ^2/NDF : 27.9/33

Out: -561.825+/-884.320 χ^2/NDF : 36.1/37

All: -483.498+/-640.676 χ^2/NDF : 64.1/71

asym_atl_dd_rms vs Slug, Sign Corrected



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

Left Out: 4899.675 $\pm$ 0.933 χ^2 /NDF: 685276.7/18

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

Left In: 5006.149 $\pm$ 0.985 χ^2 /NDF: 799495.1/16

Left: 4950.041 $\pm$ 0.678 χ^2 /NDF: 1490926.9/35

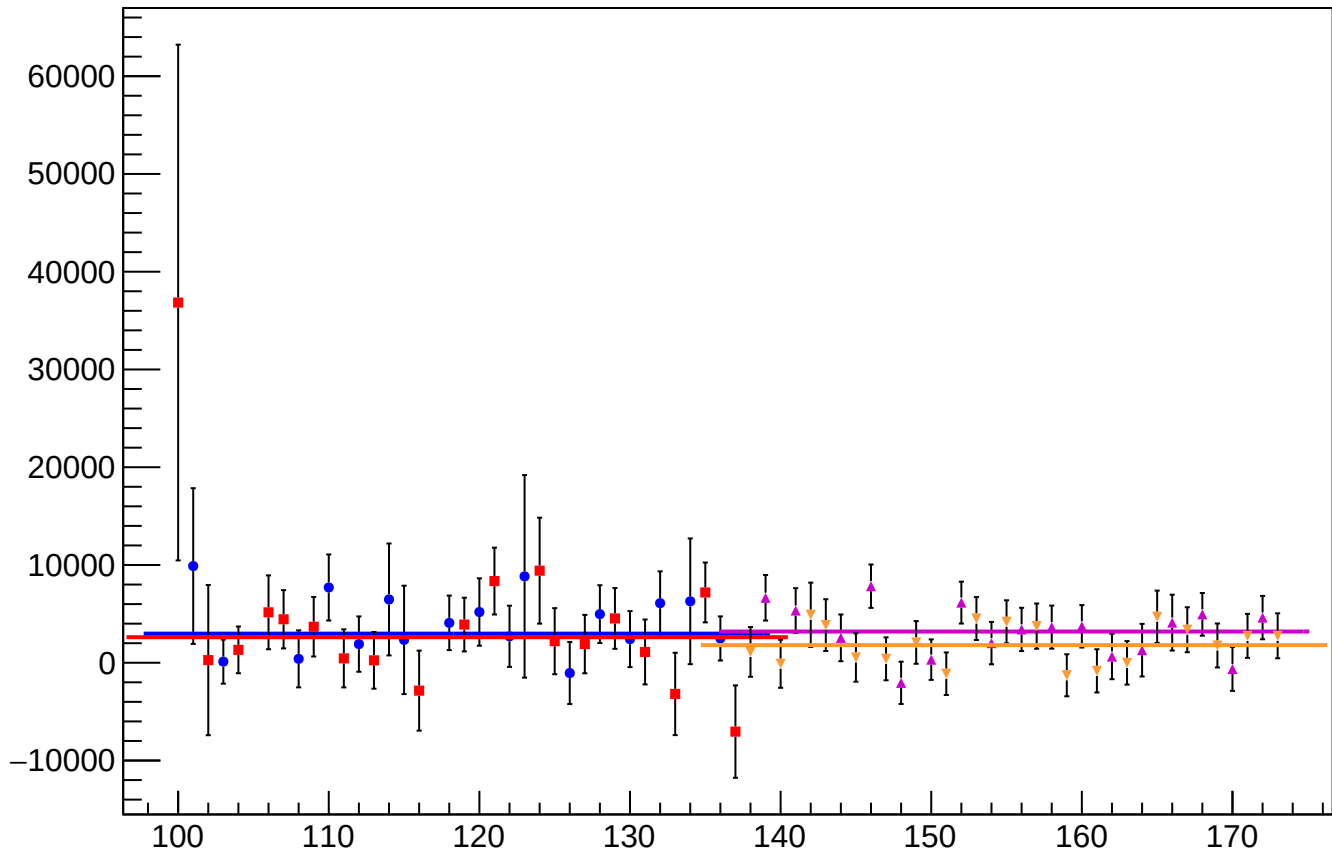
Right: 3059.752 $\pm$ 0.605 χ^2 /NDF: 1759257.8/35

In: 3951.589 $\pm$ 0.657 χ^2 /NDF: 3824081.4/33

Out: 3851.277 $\pm$ 0.621 χ^2 /NDF: 3742911.5/37

All: 3898.590 $\pm$ 0.451 χ^2 /NDF: 7579300.7/71

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2978.445 $\pm$ 795.398 χ^2 /NDF: 9.9/16

Left Out: 1806.465 $\pm$ 535.750 χ^2 /NDF:14.2/18

Right Out: 2613.881 $\pm$ 783.228 χ^2 /NDF: 19.6/18

Left In: 3193.843 $\pm$ 549.411 χ^2 /NDF:23.4/16

Left: 2482.690 $\pm$ 383.571 χ^2 /NDF: 40.9/35

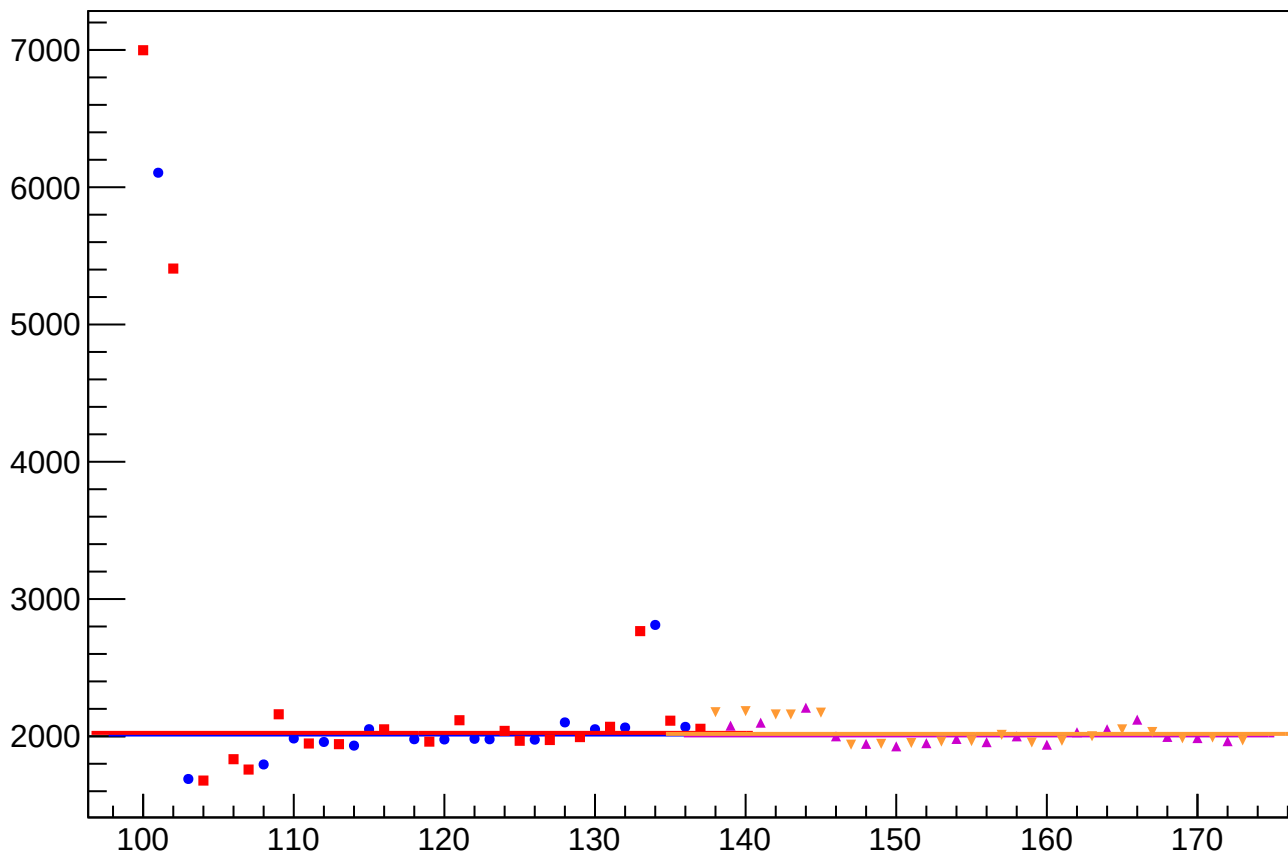
Right: 2793.353 $\pm$ 558.079 χ^2 /NDF: 29.6/35

In: 3124.268 $\pm$ 452.054 χ^2 /NDF:33.4/33

Out: 2063.831 $\pm$ 442.196 χ^2 /NDF:34.5/37

All: 2582.361 $\pm$ 316.107 χ^2 /NDF: 70.7/71

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 2012.945 $\pm$ 0.562 χ^2 /NDF: 617707.4/16

Left Out: 2017.679 $\pm$ 0.379 χ^2 /NDF: 47860.1/18

Right Out: 2025.070 $\pm$ 0.554 χ^2 /NDF: 597422.5/18

Left In: 2006.522 $\pm$ 0.388 χ^2 /NDF: 33512.6/16

Left: 2012.241 $\pm$ 0.271 χ^2 /NDF: 81795.5/35

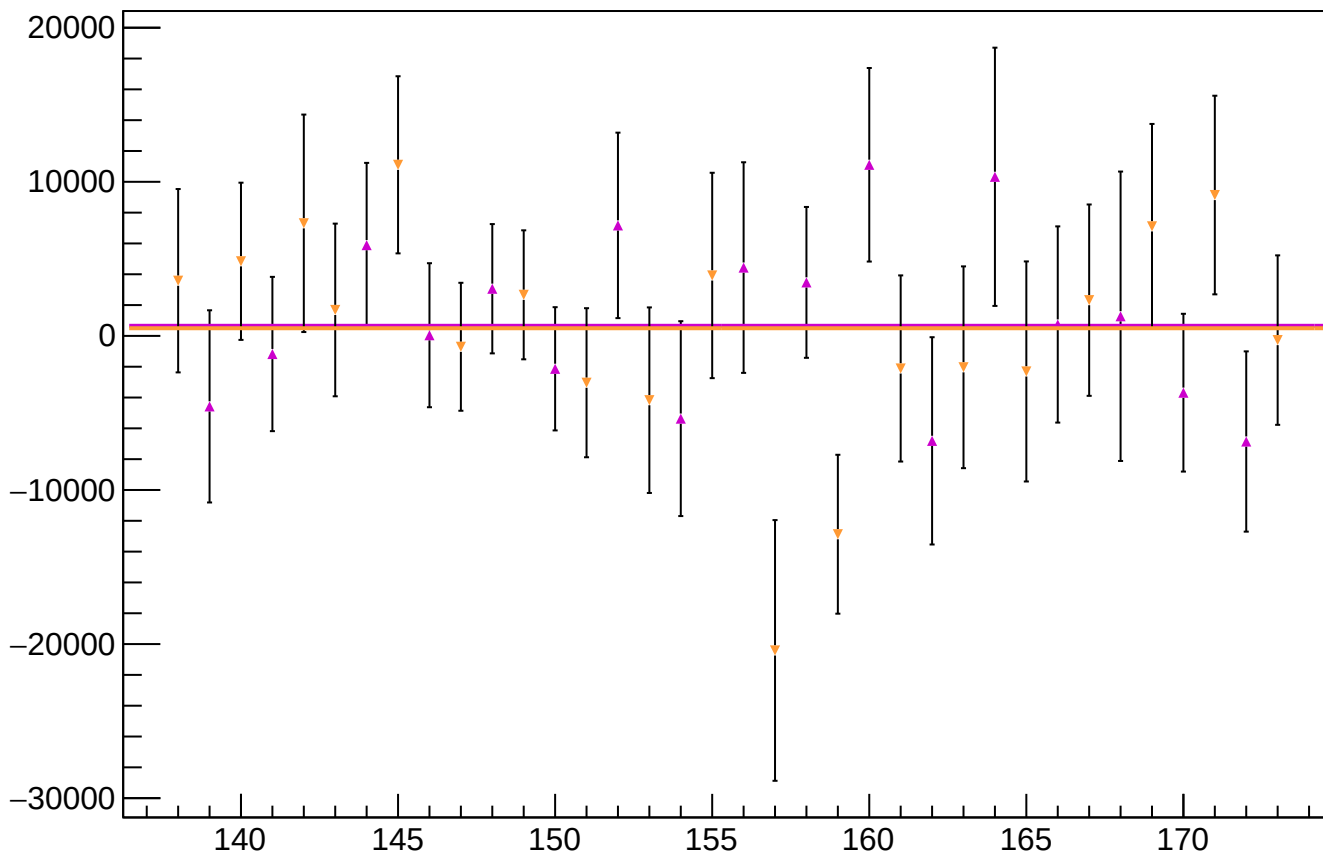
Right: 2019.103 $\pm$ 0.395 χ^2 /NDF: 1215366.0/35

In: 2008.597 $\pm$ 0.320 χ^2 /NDF: 651308.3/33

Out: 2020.036 $\pm$ 0.313 χ^2 /NDF: 645404.0/37

All: 2014.443 $\pm$ 0.224 χ^2 /NDF: 1297366.8/71

asym_atr_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 496.747+/-1308.059 χ^2/NDF :23.3/18

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

Left In: 654.931+/-1352.538 χ^2/NDF :13.1/16

Left: 573.195+/-940.269 χ^2/NDF : 36.4/35

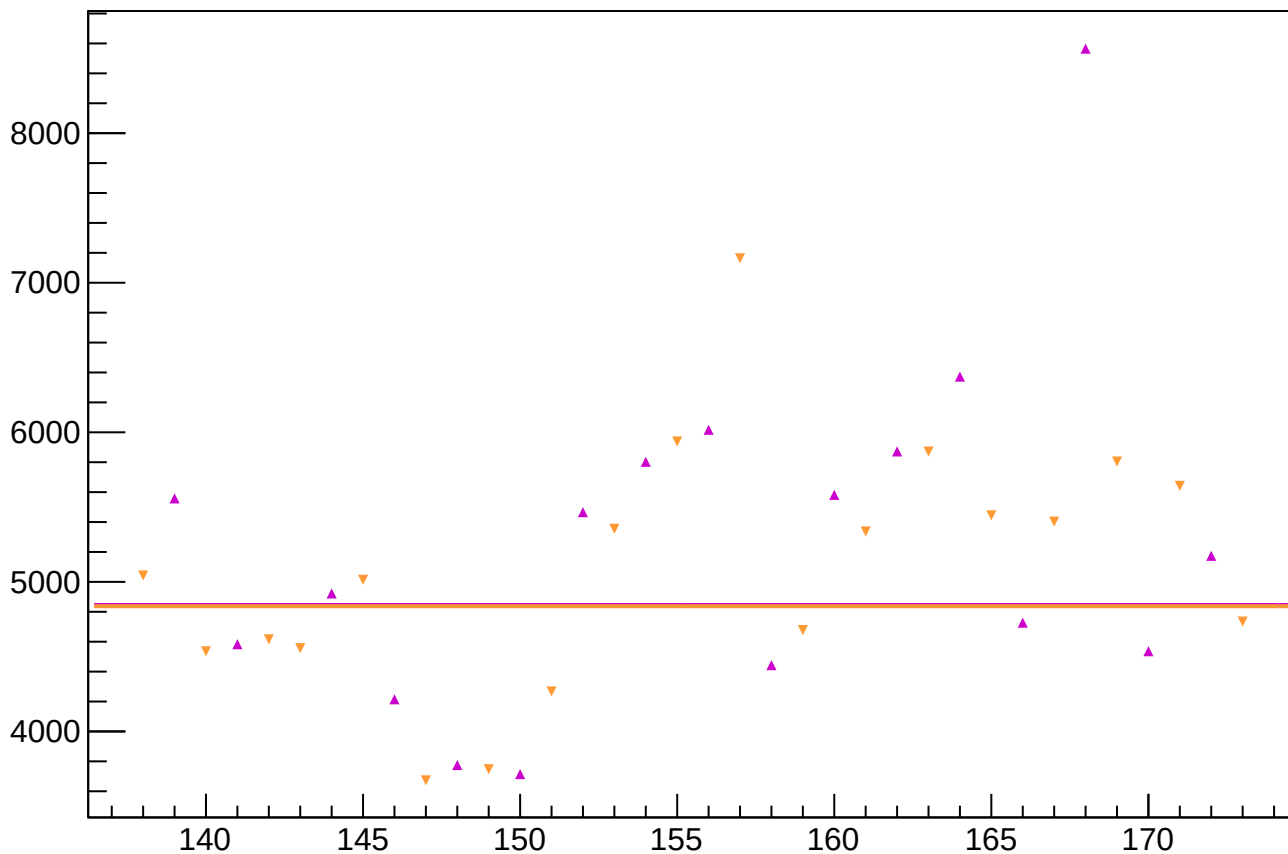
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 654.931+/-1352.538 χ^2/NDF :13.1/16

Out: 496.747+/-1308.059 χ^2/NDF :23.3/18

All: 573.195+/-940.269 χ^2/NDF : 36.4/35

asym_atr_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 4837.138+/-0.925 χ^2/NDF :730305.7/18

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

Left In: 4845.091+/-0.956 χ^2/NDF :966252.0/16

Left: 4840.981+/-0.665 χ^2/NDF : 1696593.4/35

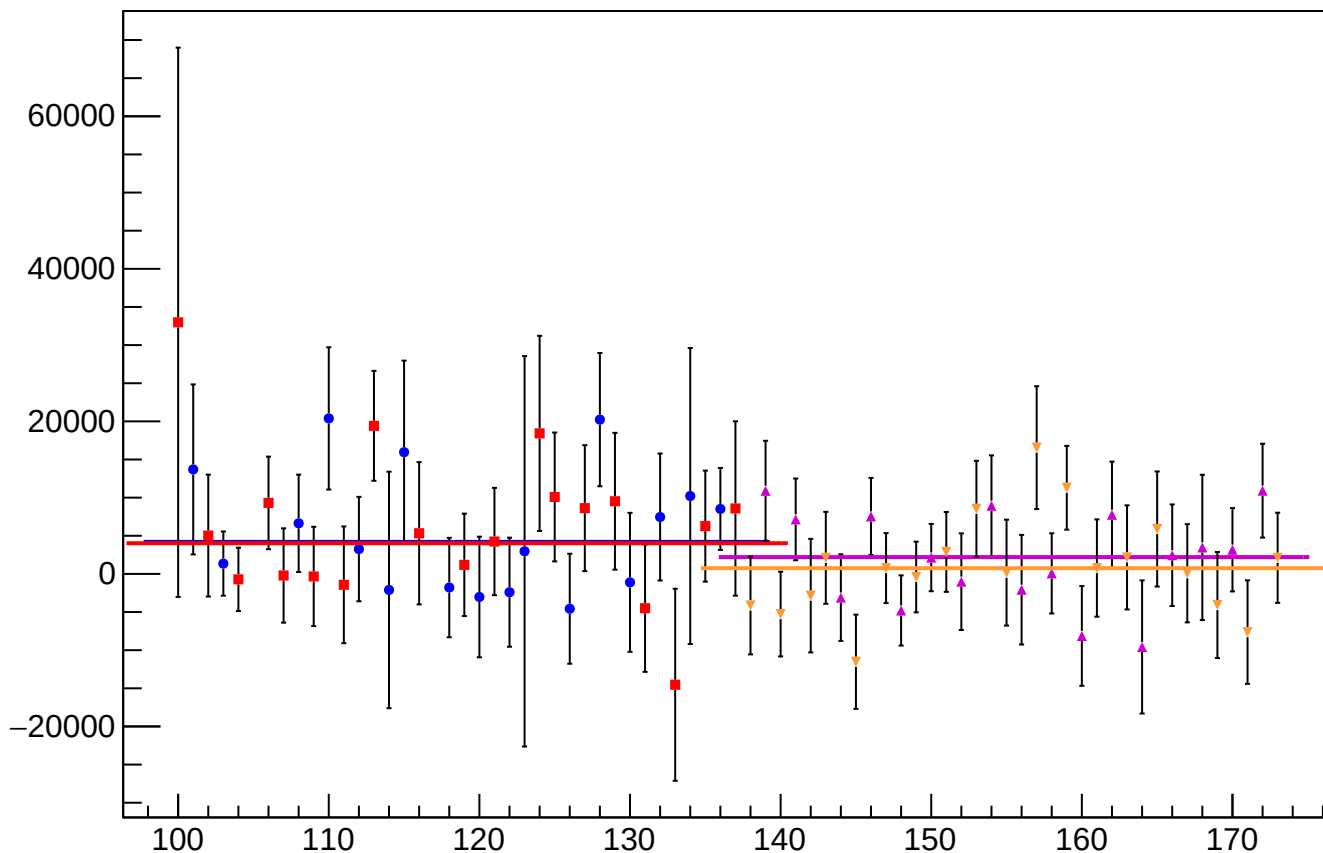
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4845.091+/-0.956 χ^2/NDF :966252.0/16

Out: 4837.138+/-0.925 χ^2/NDF :730305.7/18

All: 4840.981+/-0.665 χ^2/NDF : 1696593.4/35

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4198.770+/-1857.803 χ^2/NDF : 14.1/16

Left Out: 751.485+/-1397.281 χ^2/NDF : 17.9/18

Right Out: 4023.682+/-1725.187 χ^2/NDF : 14.8/18

Left In: 2204.317+/-1442.111 χ^2/NDF : 15.7/16

Left: 1454.968+/-1003.501 χ^2/NDF : 34.1/35

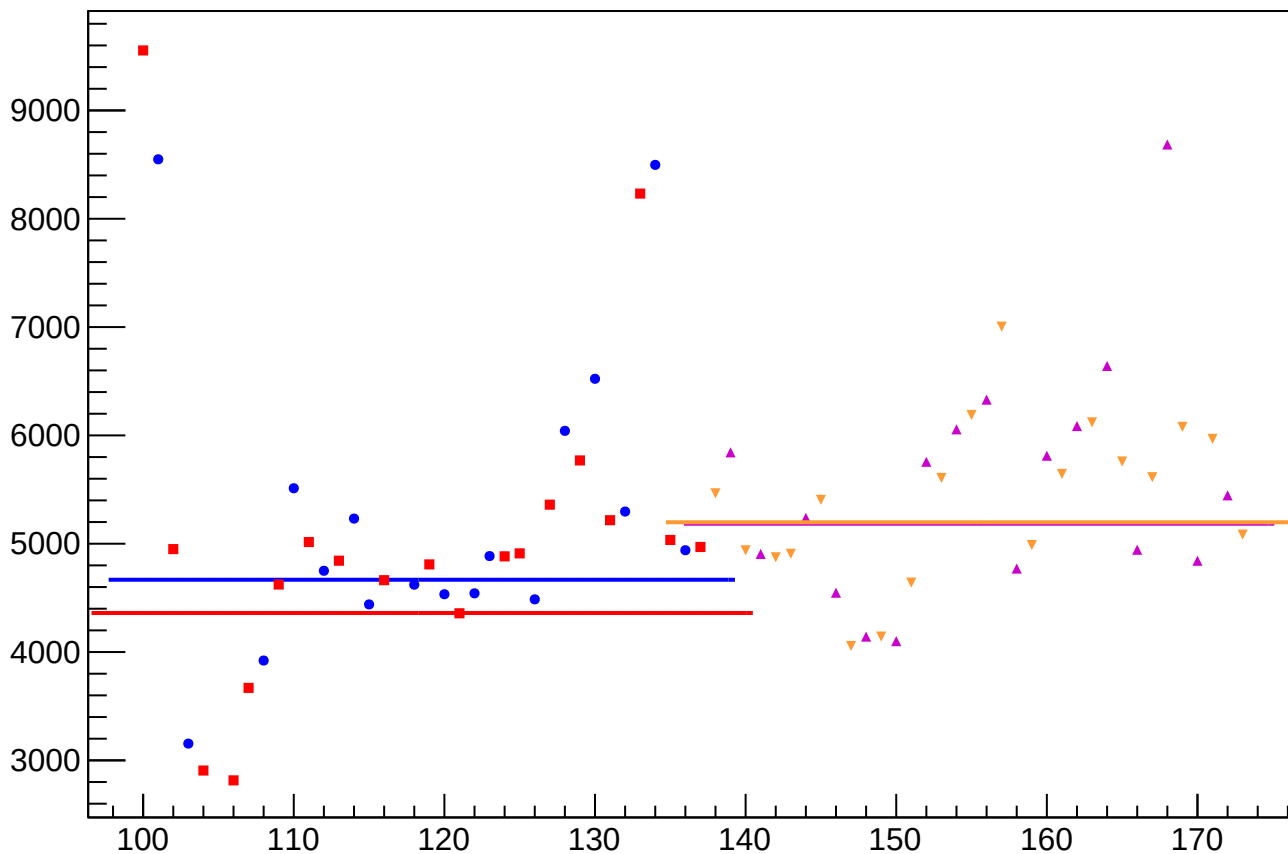
Right: 4104.755+/-1264.177 χ^2/NDF : 29.0/35

In: 2954.226+/-1139.179 χ^2/NDF : 30.6/33

Out: 2047.701+/-1085.814 χ^2/NDF : 34.9/37

All: 2479.234+/-785.975 χ^2/NDF : 65.8/71

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4667.470 ± 1.314 $\chi^2/\text{NDF}: 777857.9/16$

Left Out: 5198.124 ± 0.988 $\chi^2/\text{NDF}: 545682.1/18$

Right Out: 4360.582 ± 1.213 $\chi^2/\text{NDF}: 832745.2/18$

Left In: 5184.604 ± 1.020 $\chi^2/\text{NDF}: 786919.0/16$

Left: 5191.577 ± 0.710 $\chi^2/\text{NDF}: 1332691.8/35$

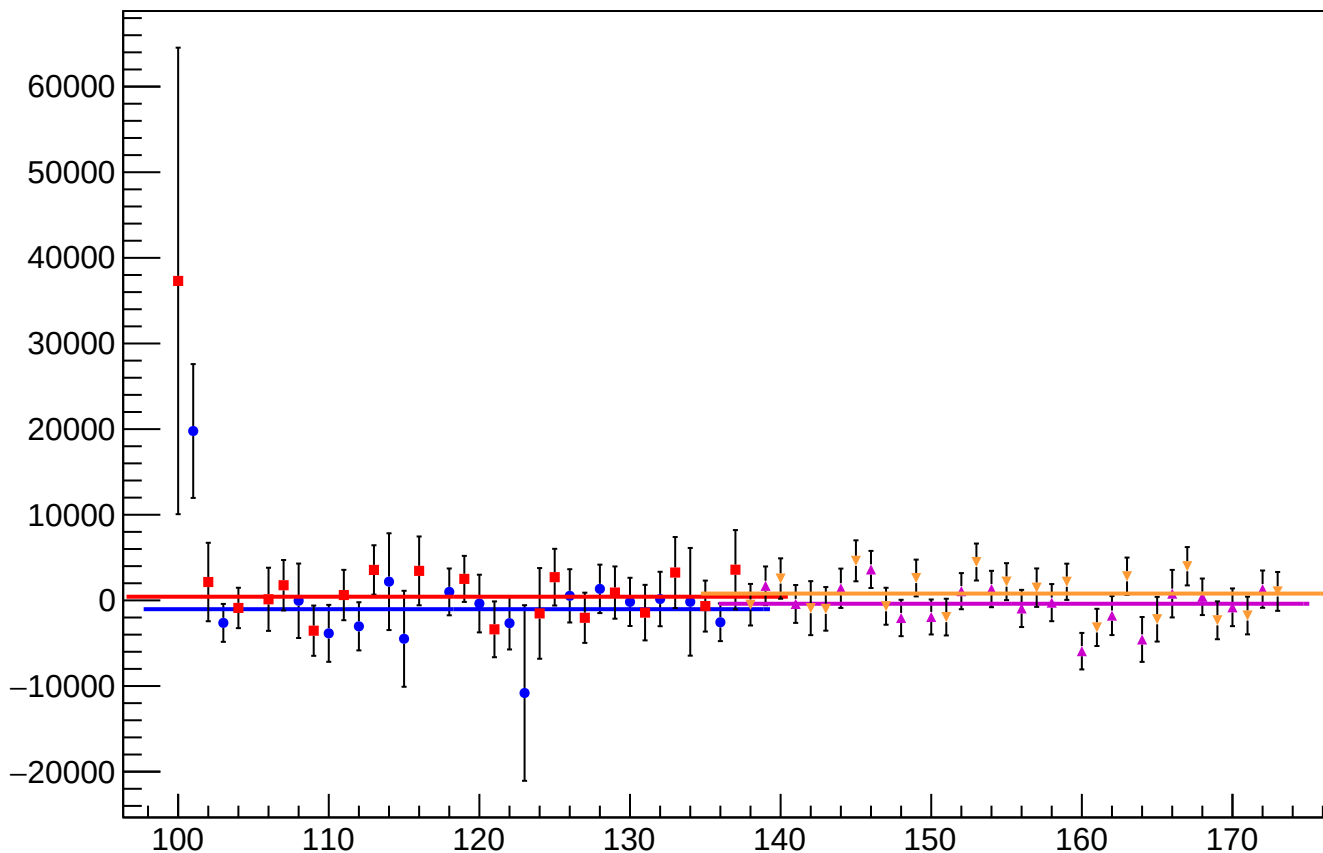
Right: 4501.800 ± 0.891 $\chi^2/\text{NDF}: 1640064.7/35$

In: 4990.163 ± 0.806 $\chi^2/\text{NDF}: 1661475.9/33$

Out: 4864.025 ± 0.766 $\chi^2/\text{NDF}: 1665071.8/37$

All: 4923.925 ± 0.555 $\chi^2/\text{NDF}: 3339424.1/71$

dit_asym_atr_dd_mean vs Slug, Sign Corrected



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

Left Out: 795.345 $\pm$ 523.296 χ^2/NDF : 21.7/18

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

Left In: -392.870 $\pm$ 537.514 χ^2/NDF : 17.9/16

Left: 217.160 $\pm$ 374.952 χ^2/NDF : 42.2/35

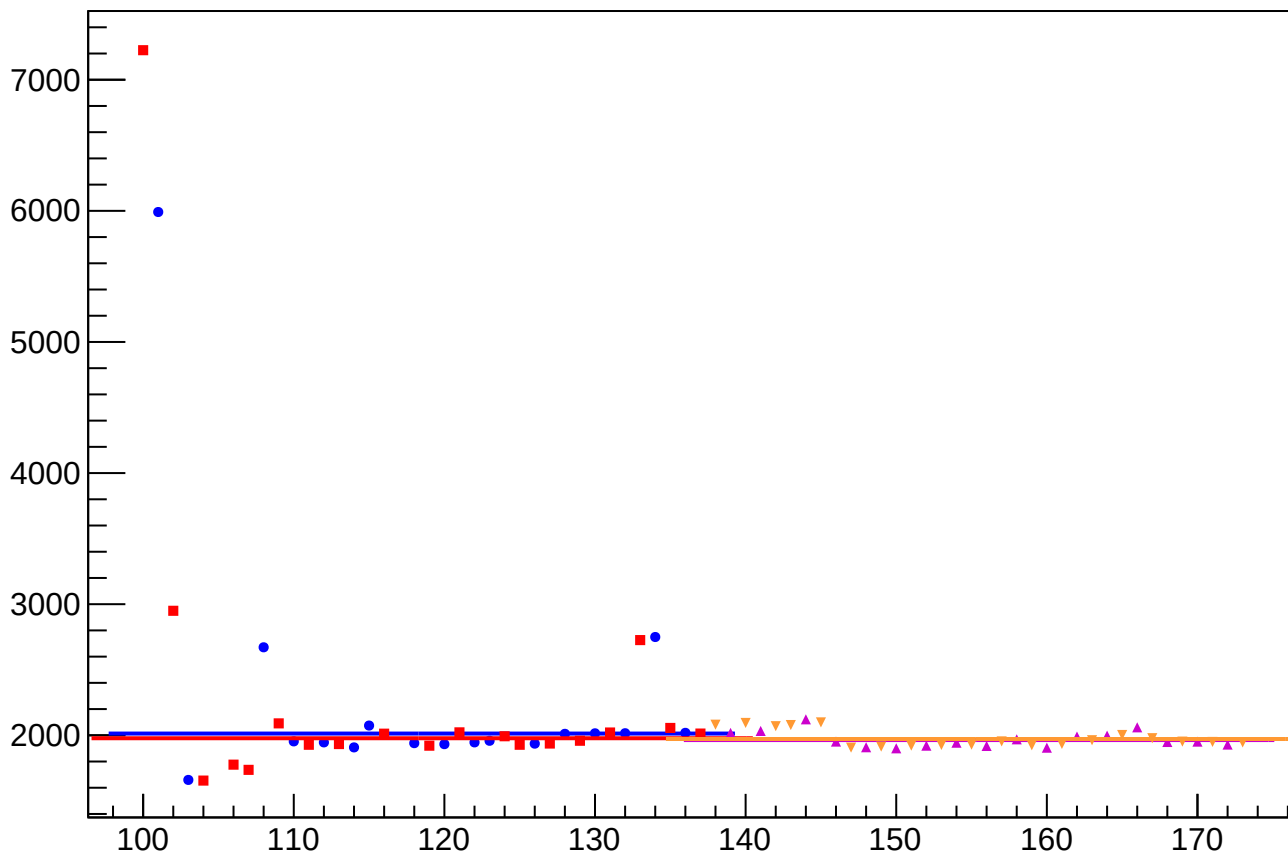
Right: -265.860 $\pm$ 550.193 χ^2/NDF : 25.6/35

In: -591.279 $\pm$ 445.567 χ^2/NDF : 31.4/33

Out: 677.529 $\pm$ 431.156 χ^2/NDF : 32.7/37

All: 63.975 $\pm$ 309.843 χ^2/NDF : 68.2/71

dit_asym_atr_dd_rms vs Slug, Sign Corrected



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

Left Out: 1971.731+/-0.370 χ^2/NDF : 29262.1/18

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

Left In: 1963.683+/-0.380 χ^2/NDF : 22994.5/16

Left: 1967.815+/-0.265 χ^2/NDF : 52486.8/35

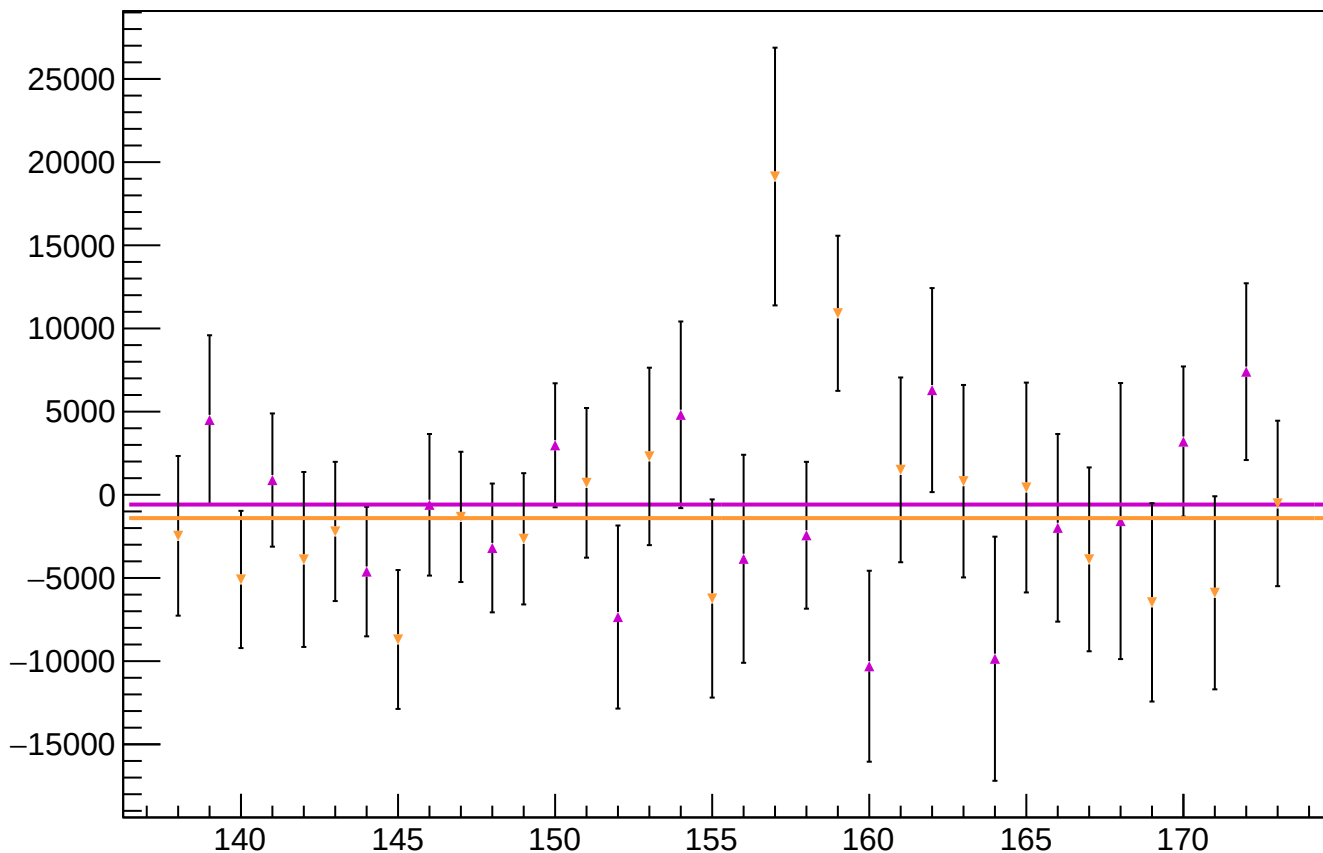
Right: 1994.568+/-0.389 χ^2/NDF : 947053.5/35

In: 1979.197+/-0.315 χ^2/NDF : 678368.3/33

Out: 1973.601+/-0.305 χ^2/NDF : 324240.6/37

All: 1976.306+/-0.219 χ^2/NDF : 1002771.8/71

asym_atr_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -1400.656+/-1135.161 χ^2/NDF :21.7/18

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

Left In: -585.761+/-1188.213 χ^2/NDF :15.2/16

Left: -1011.806+/-820.794 χ^2/NDF : 37.1/35

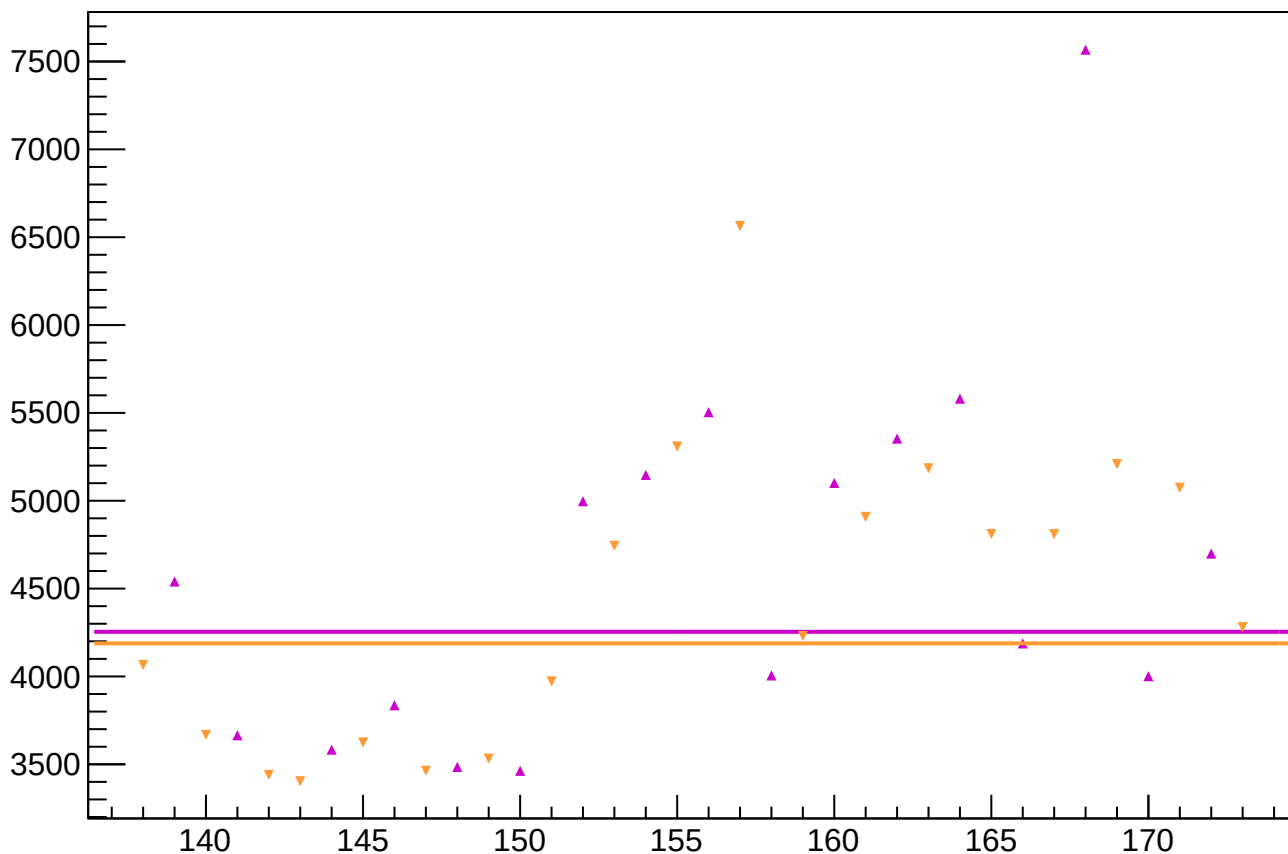
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -585.761+/-1188.213 χ^2/NDF :15.2/16

Out: -1400.656+/-1135.161 χ^2/NDF :21.7/18

All: -1011.806+/-820.794 χ^2/NDF : 37.1/35

asym_atr_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 4188.375+/-0.803 χ^2/NDF :833254.9/18

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

Left In: 4254.155+/-0.840 χ^2/NDF :983254.8/16

Left: 4219.764+/-0.580 χ^2/NDF : 1819714.4/35

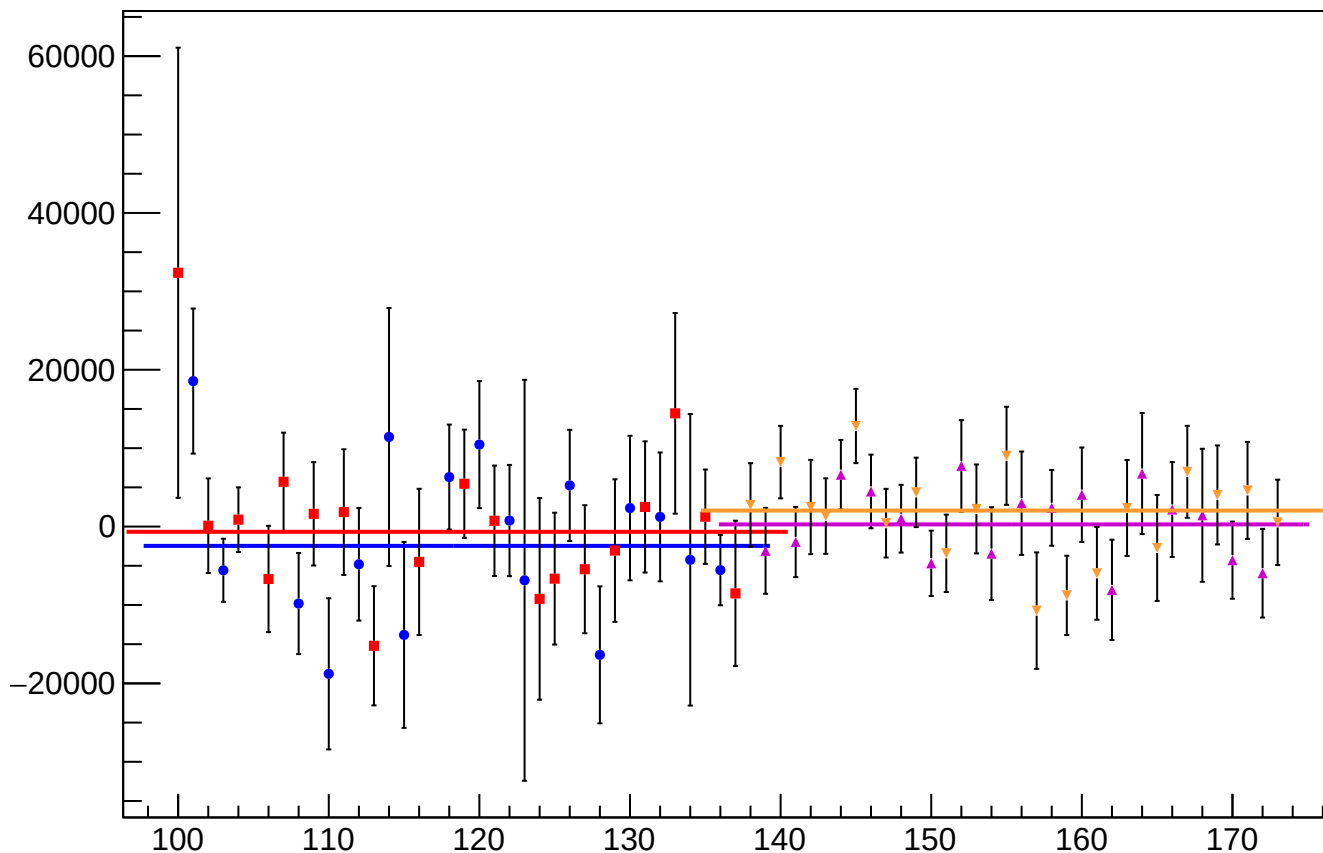
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4254.155+/-0.840 χ^2/NDF :983254.8/16

Out: 4188.375+/-0.803 χ^2/NDF :833254.9/18

All: 4219.764+/-0.580 χ^2/NDF : 1819714.4/35

asym_atr_dd_mean vs Slug, Sign Corrected



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

Left Out: 2047.511 $\pm$ 1243.265 χ^2 /NDF:20.8/18

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

Left In: 277.084 $\pm$ 1294.194 χ^2 /NDF:12.3/16

Left: 1197.817 $\pm$ 896.585 χ^2 /NDF: 34.1/35

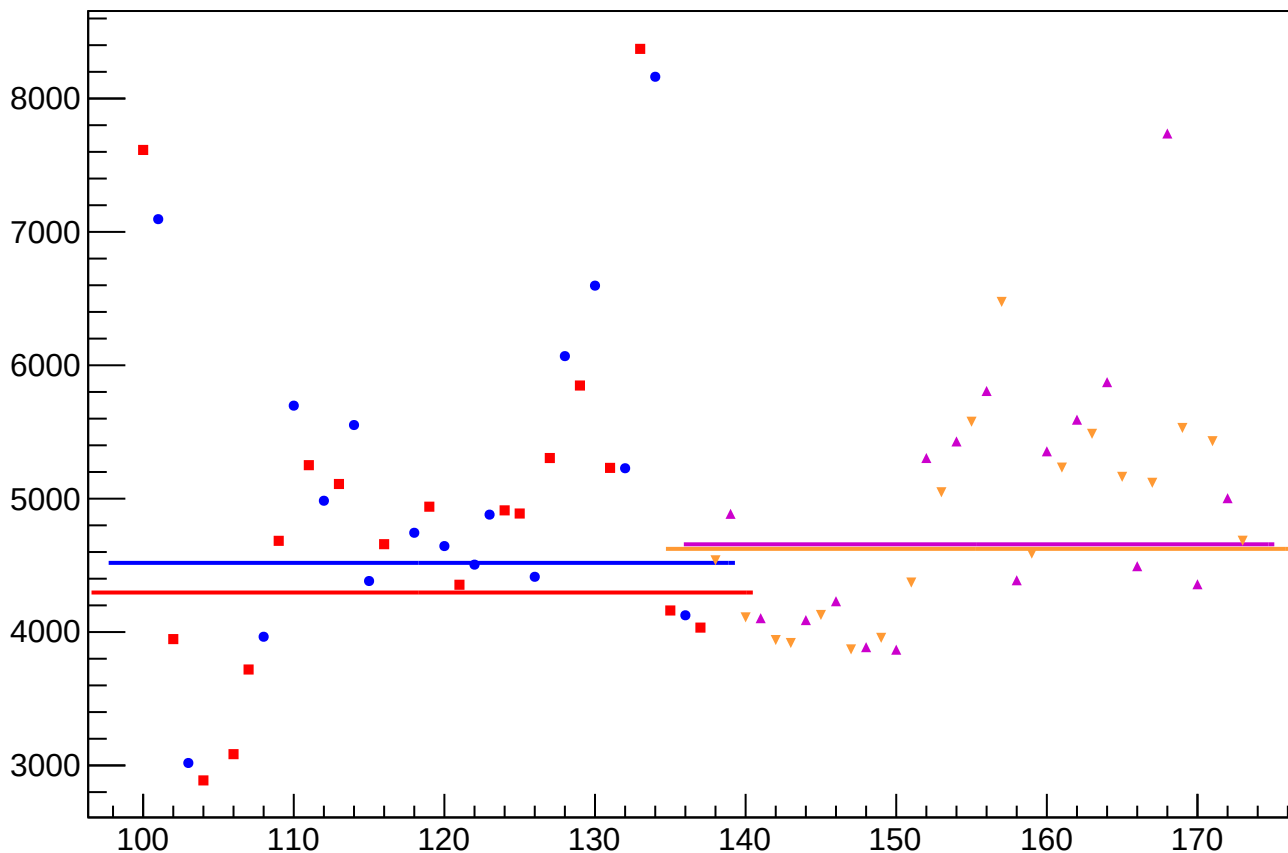
Right: -1508.905 $\pm$ 1231.122 χ^2 /NDF: 33.3/35

In: -658.295 $\pm$ 1050.243 χ^2 /NDF:34.7/33

Out: 1094.456 $\pm$ 1001.424 χ^2 /NDF:34.4/37

All: 259.763 $\pm$ 724.758 χ^2 /NDF: 70.5/71

asym_atr_dd_rms vs Slug, Sign Corrected



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

Left Out: 4623.666 $\pm$ 0.879 χ^2 /NDF: 571522.8/18

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

Left In: 4657.838 $\pm$ 0.915 χ^2 /NDF: 743875.0/16

Left: 4640.067 $\pm$ 0.634 χ^2 /NDF: 1316122.9/35

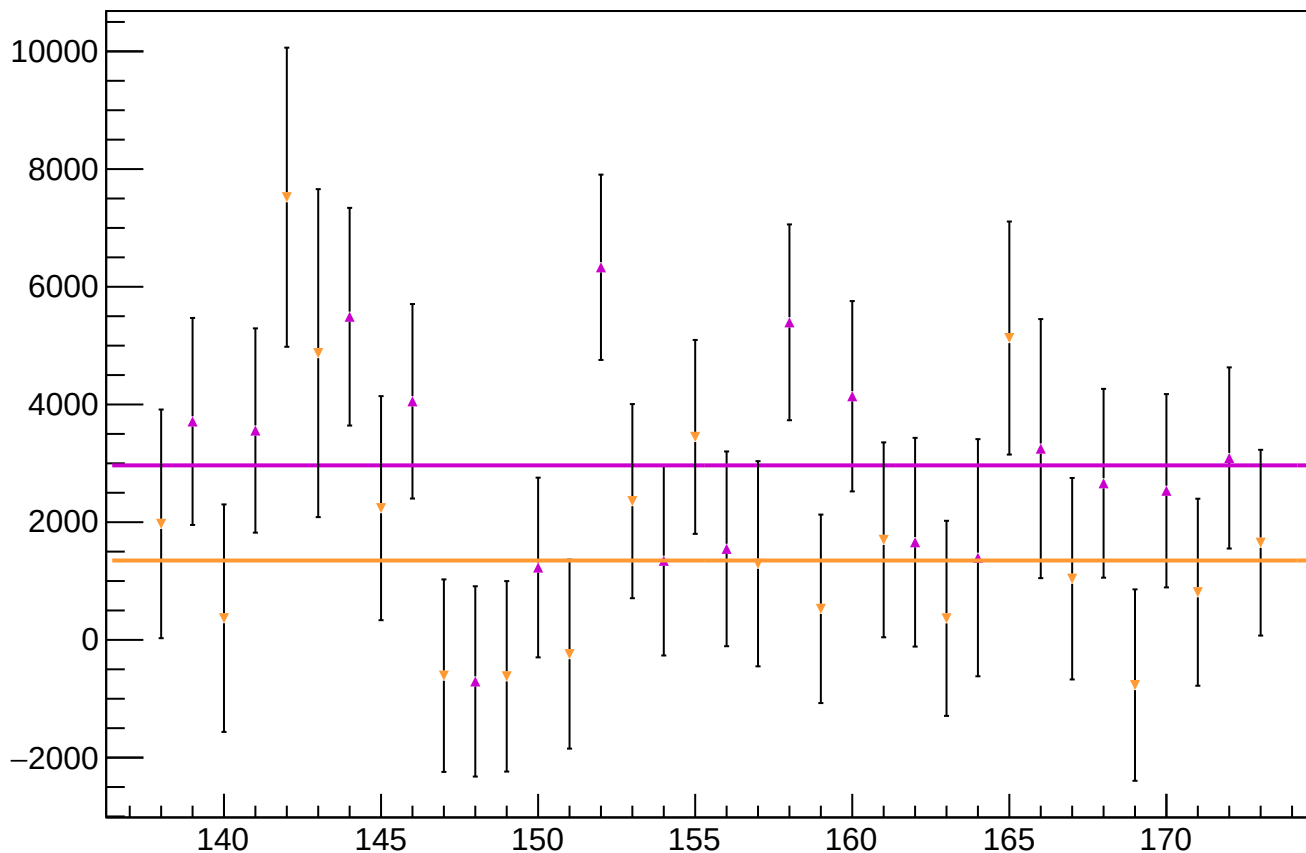
Right: 4400.071 $\pm$ 0.868 χ^2 /NDF: 1558255.2/35

In: 4610.322 $\pm$ 0.743 χ^2 /NDF: 1521997.2/33

Out: 4507.891 $\pm$ 0.707 χ^2 /NDF: 1392253.5/37

All: 4556.571 $\pm$ 0.512 χ^2 /NDF: 2924234.0/71

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: 1348.960+/-401.889 χ^2/NDF :20.2/18

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

Left In: 2965.471+/-409.085 χ^2/NDF :19.3/16

Left: 2142.872+/-286.688 χ^2/NDF : 47.4/35

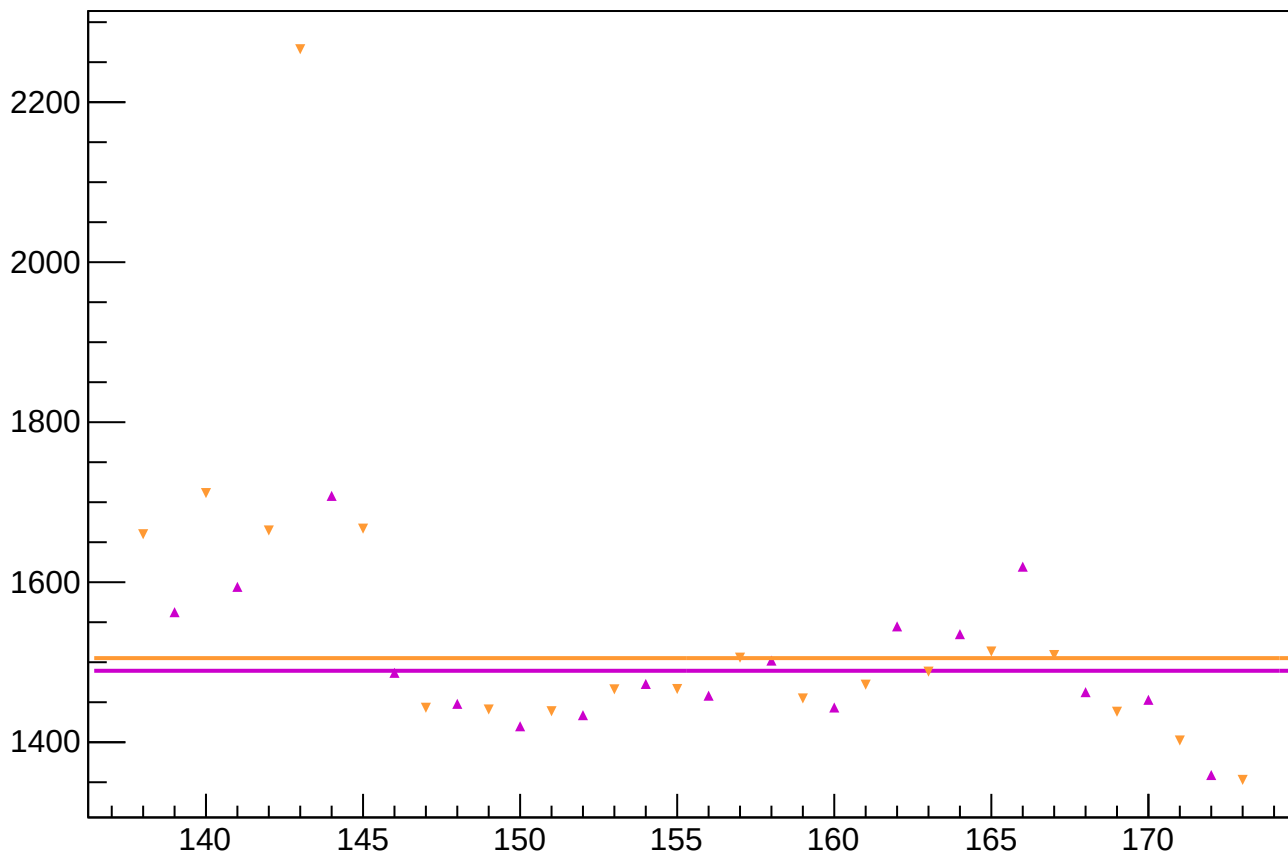
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2965.471+/-409.085 χ^2/NDF :19.3/16

Out: 1348.960+/-401.889 χ^2/NDF :20.2/18

All: 2142.872+/-286.688 χ^2/NDF : 47.4/35

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: 1505.139+/-0.284 χ^2/NDF :252102.4/18

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

Left In: 1489.312+/-0.289 χ^2/NDF :75120.5/16

Left: 1497.366+/-0.203 χ^2/NDF : 328746.2/35

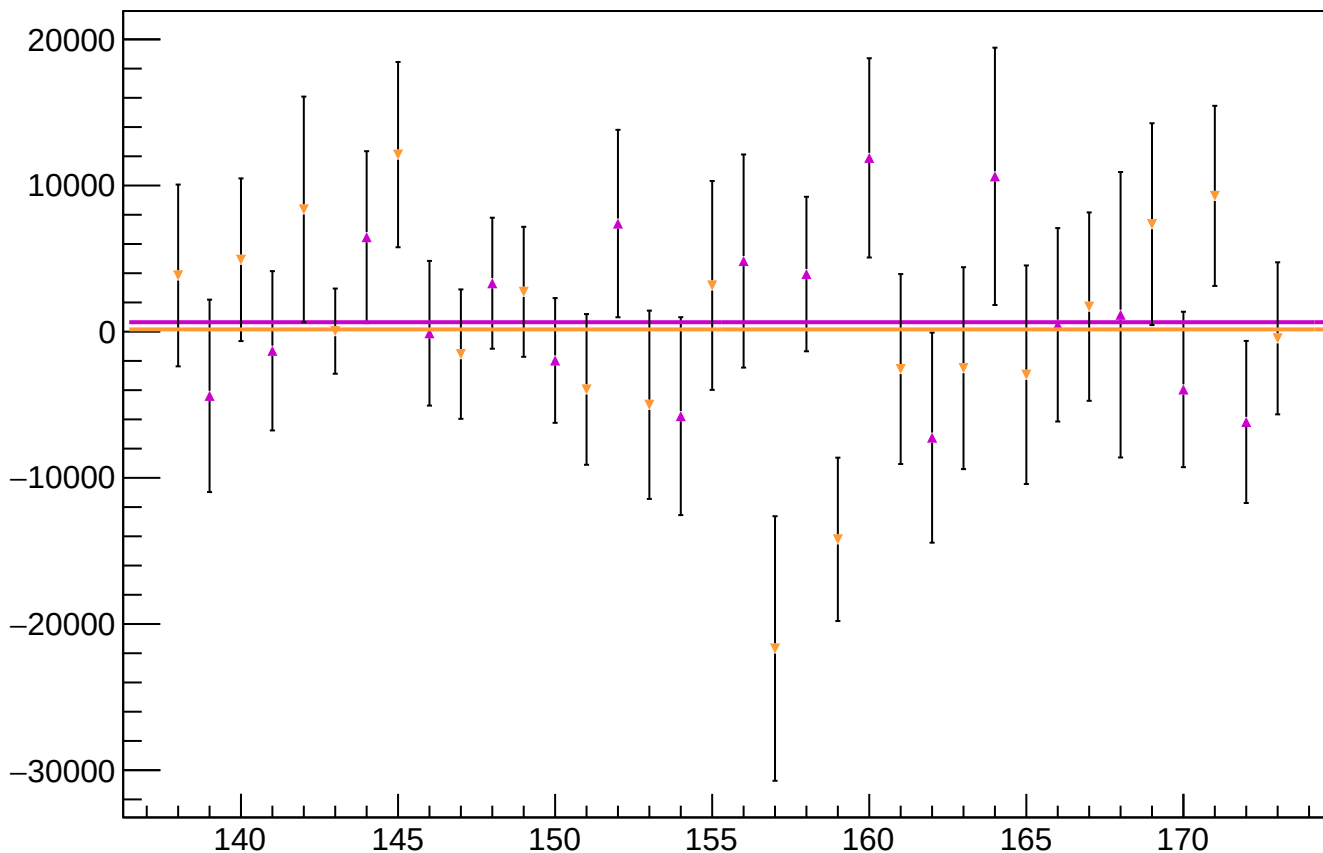
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1489.312+/-0.289 χ^2/NDF :75120.5/16

Out: 1505.139+/-0.284 χ^2/NDF :252102.4/18

All: 1497.366+/-0.203 χ^2/NDF : 328746.2/35

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: 155.570+/-1274.563 χ^2/NDF :24.0/18

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

Left In: 648.174+/-1433.073 χ^2/NDF :12.7/16

Left: 373.133+/-952.383 χ^2/NDF : 36.7/35

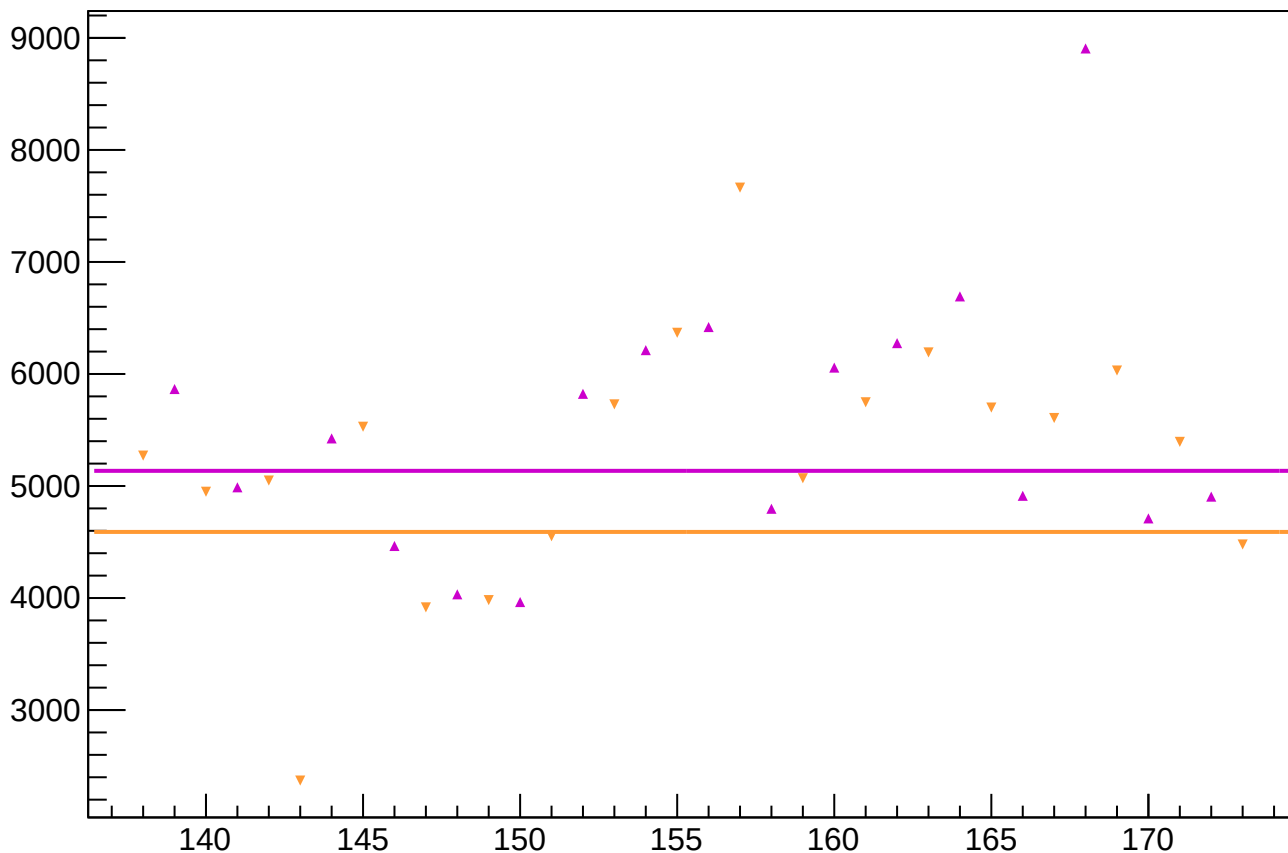
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 648.174+/-1433.073 χ^2/NDF :12.7/16

Out: 155.570+/-1274.563 χ^2/NDF :24.0/18

All: 373.133+/-952.383 χ^2/NDF : 36.7/35

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: 4590.057+/-0.901 χ^2/NDF :2146040.9/18

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

Left In: 5135.354+/-1.013 χ^2/NDF :949260.6/16

Left: 4830.892+/-0.673 χ^2/NDF : 3256982.9/35

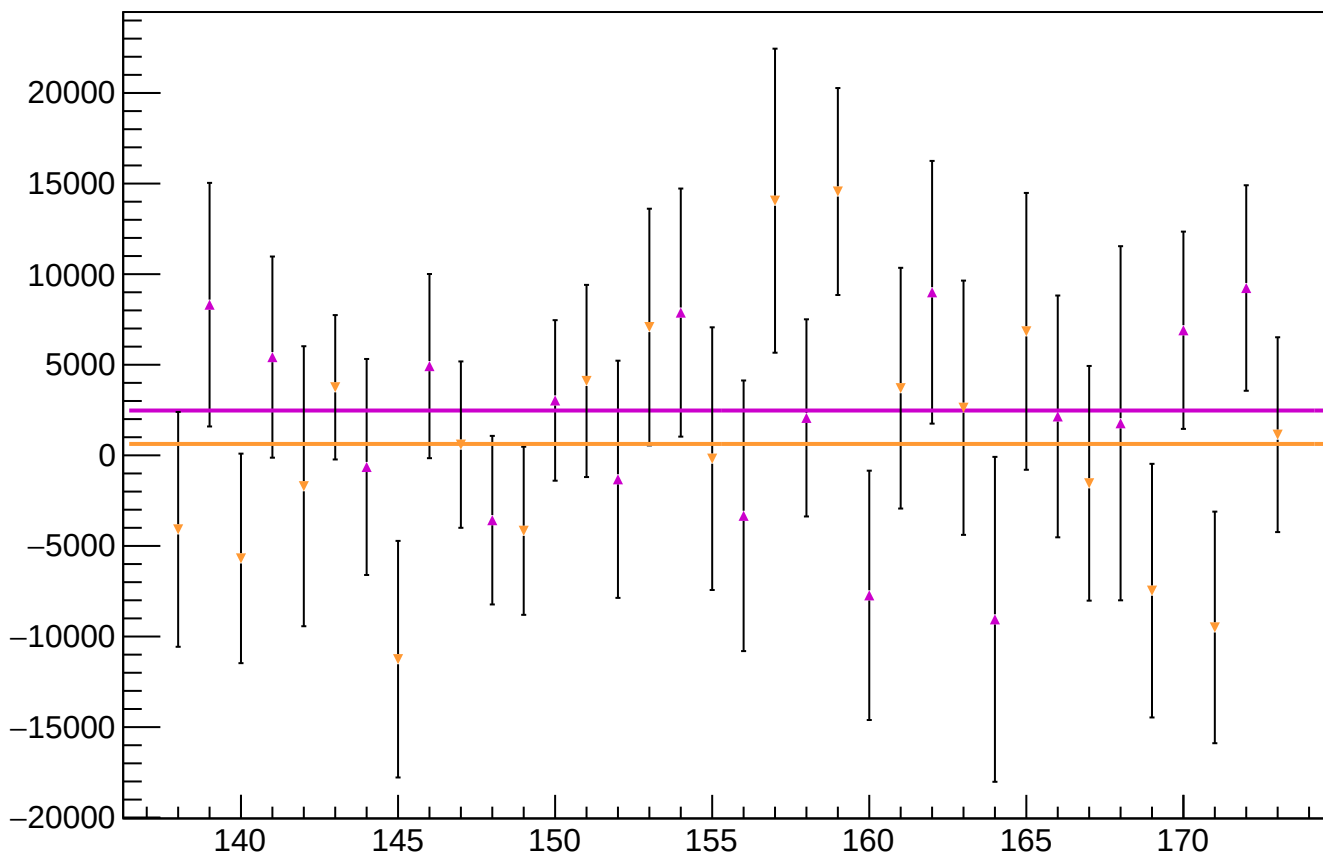
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 5135.354+/-1.013 χ^2/NDF :949260.6/16

Out: 4590.057+/-0.901 χ^2/NDF :2146040.9/18

All: 4830.892+/-0.673 χ^2/NDF : 3256982.9/35

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: 629.497+/-1364.487 χ^2/NDF :21.7/18

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

Left In: 2474.101+/-1466.012 χ^2/NDF :11.6/16

Left: 1485.721+/-998.803 χ^2/NDF : 34.1/35

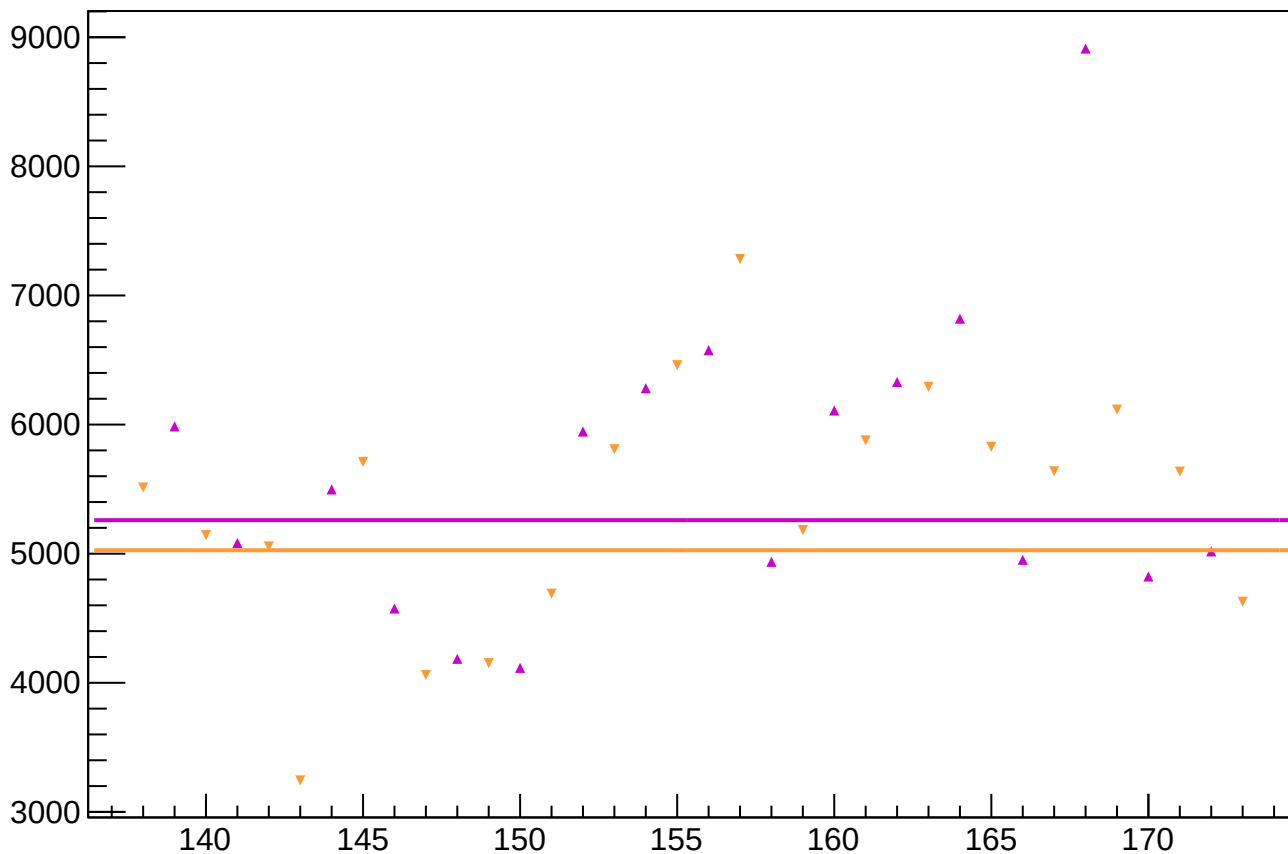
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2474.101+/-1466.012 χ^2/NDF :11.6/16

Out: 629.497+/-1364.487 χ^2/NDF :21.7/18

All: 1485.721+/-998.803 χ^2/NDF : 34.1/35

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: 5026.643+/-0.965 χ^2/NDF :1070240.4/18

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

Left In: 5259.784+/-1.037 χ^2/NDF :875190.9/16

Left: 5134.862+/-0.706 χ^2/NDF : 1972534.2/35

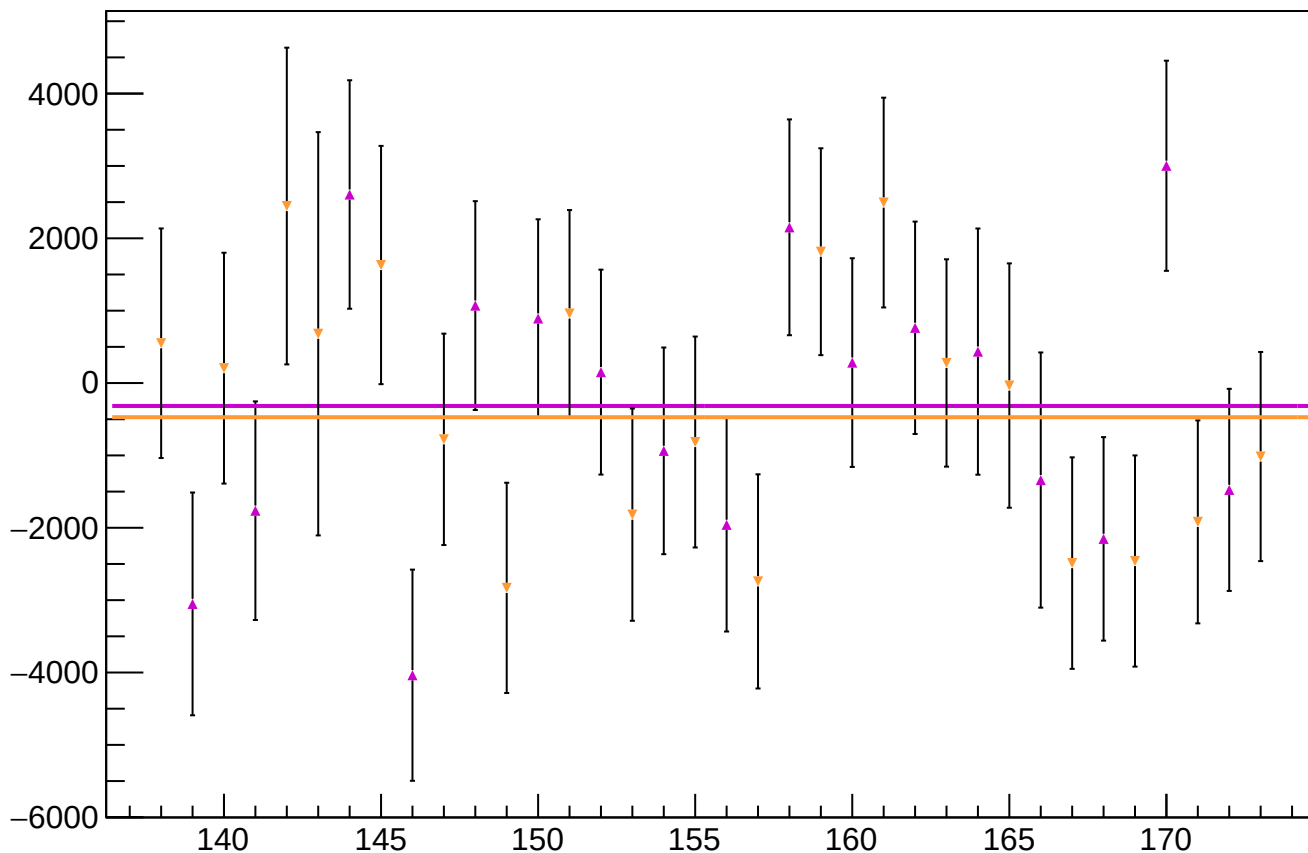
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 5259.784+/-1.037 χ^2/NDF :875190.9/16

Out: 5026.643+/-0.965 χ^2/NDF :1070240.4/18

All: 5134.862+/-0.706 χ^2/NDF : 1972534.2/35

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: -472.039+/-352.459 χ^2/NDF :23.2/18

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

Left In: -316.607+/-359.248 χ^2/NDF :28.9/16

Left: -395.805+/-251.592 χ^2/NDF : 52.1/35

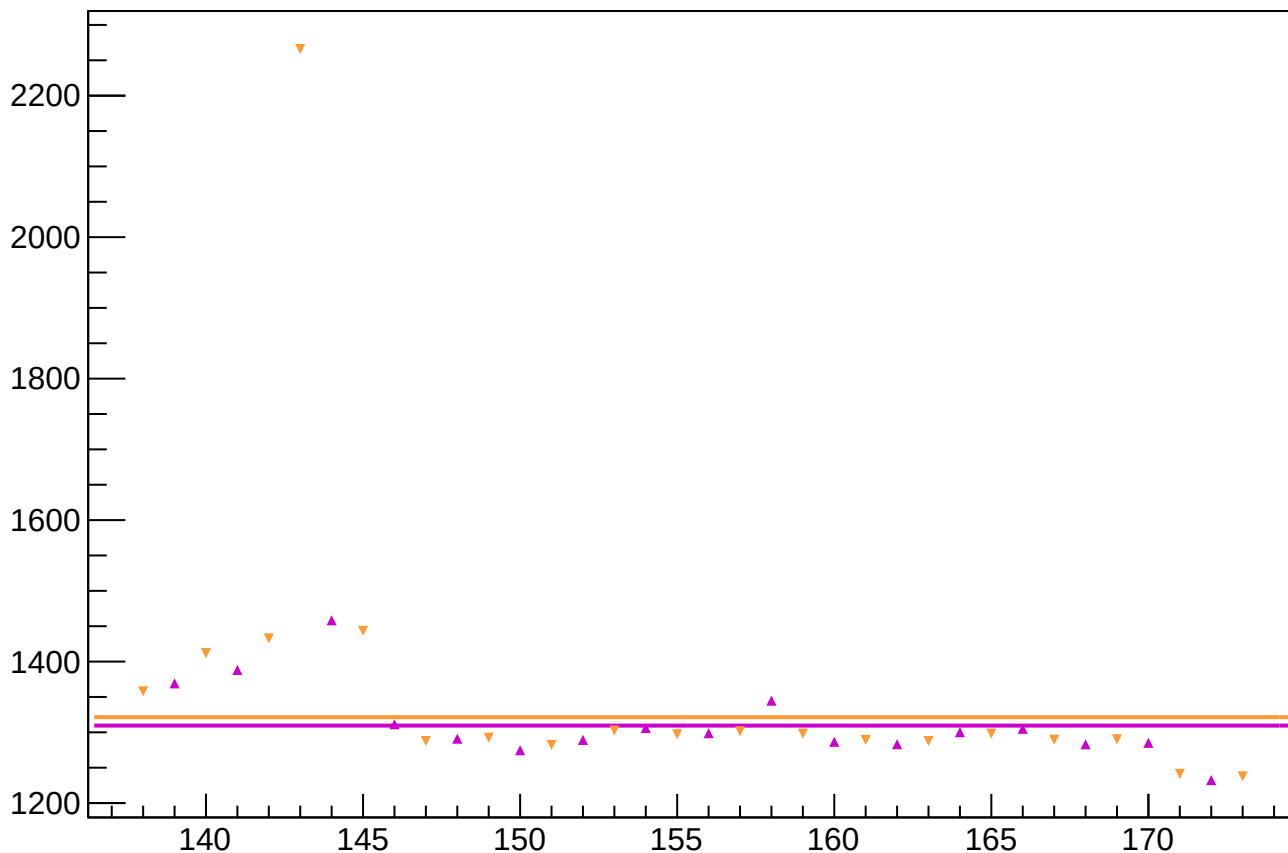
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -316.607+/-359.248 χ^2/NDF :28.9/16

Out: -472.039+/-352.459 χ^2/NDF :23.2/18

All: -395.805+/-251.592 χ^2/NDF : 52.1/35

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: 1321.430+/-0.249 χ^2/NDF : 276203.7/18

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

Left In: 1309.503+/-0.254 χ^2/NDF : 38063.7/16

Left: 1315.580+/-0.178 χ^2/NDF : 315390.8/35

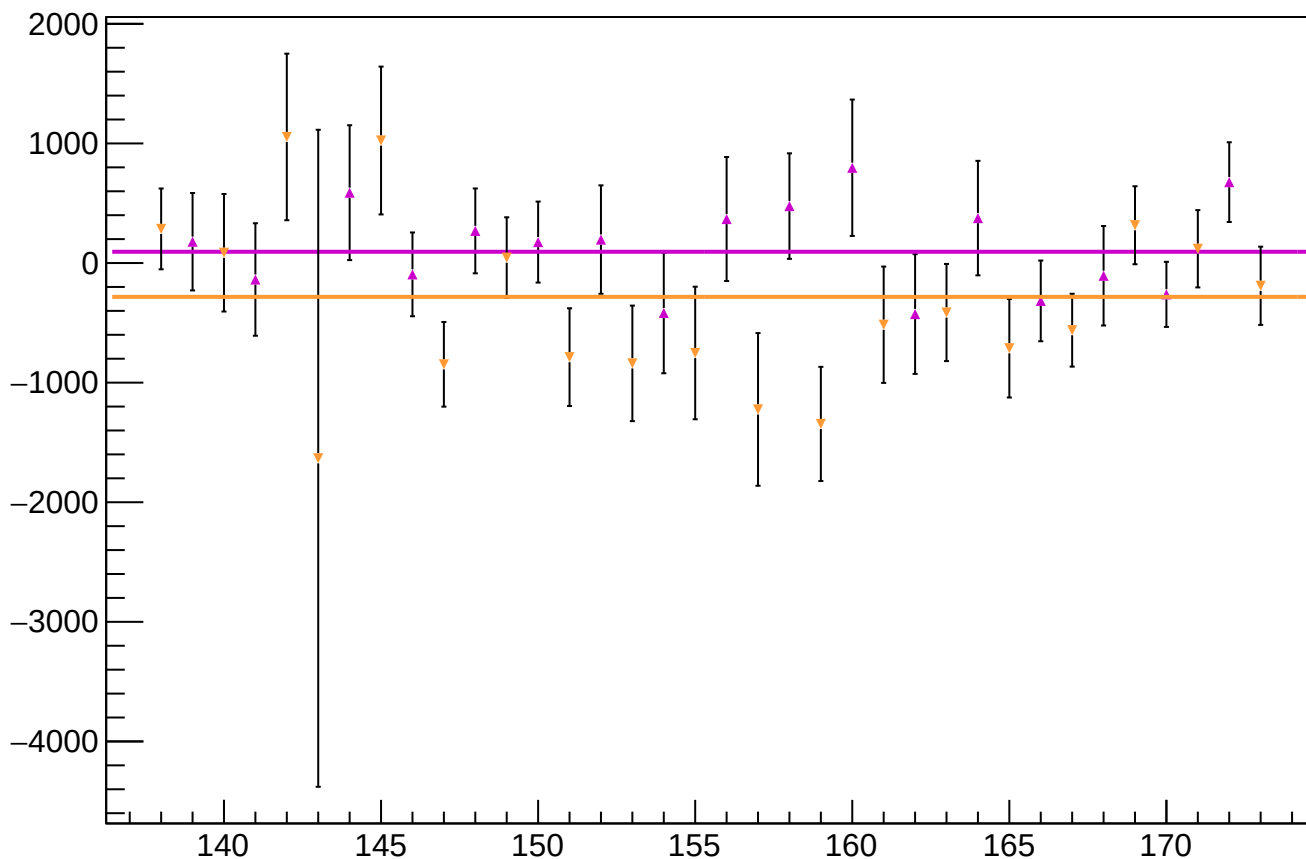
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1309.503+/-0.254 χ^2/NDF : 38063.7/16

Out: 1321.430+/-0.249 χ^2/NDF : 276203.7/18

All: 1315.580+/-0.178 χ^2/NDF : 315390.8/35

asym_atl_avg_atr_avg_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -282.704 $\pm$ 95.280 χ^2 /NDF:33.2/18

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

Left In: 94.237 $\pm$ 97.740 χ^2 /NDF:13.2/16

Left: -99.037 $\pm$ 68.226 χ^2 /NDF: 54.0/35

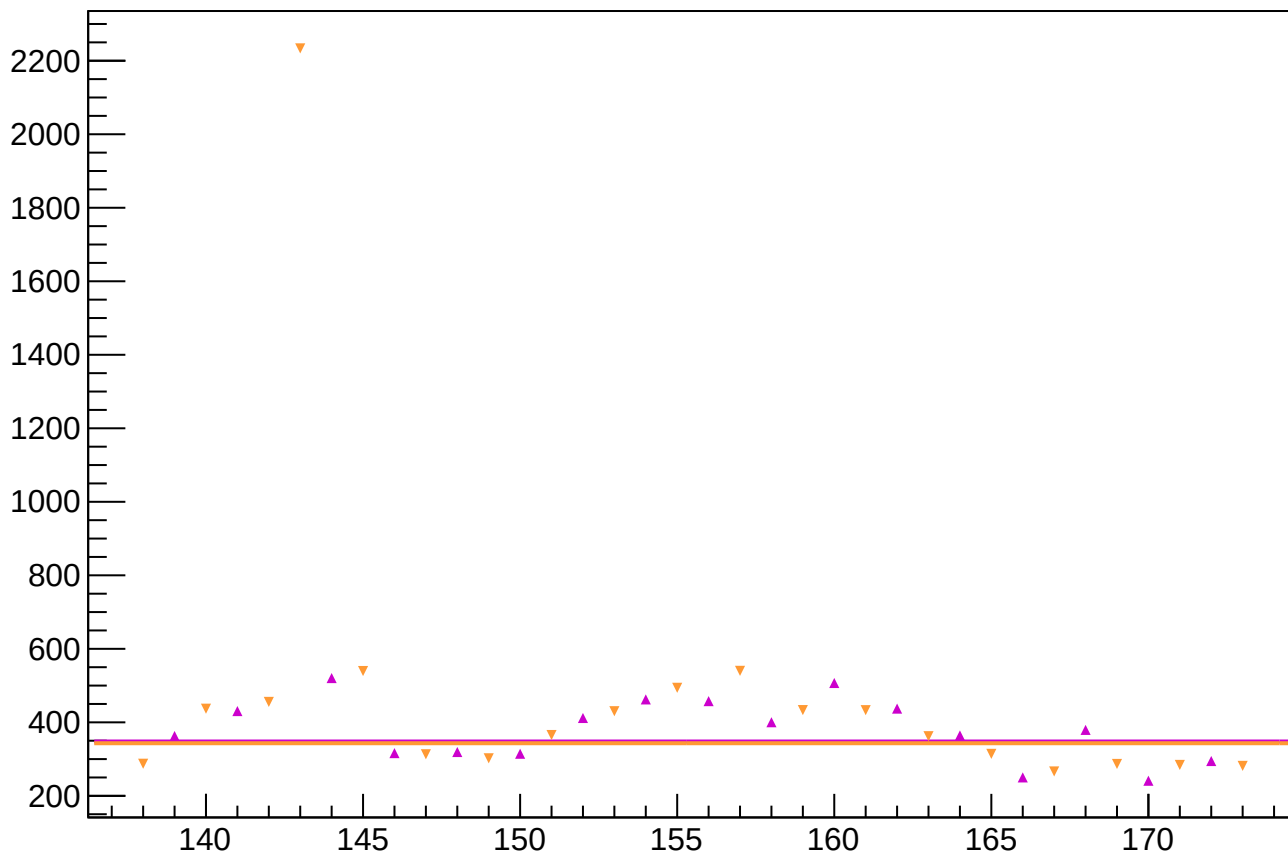
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 94.237 $\pm$ 97.740 χ^2 /NDF:13.2/16

Out: -282.704 $\pm$ 95.280 χ^2 /NDF:33.2/18

All: -99.037 $\pm$ 68.226 χ^2 /NDF: 54.0/35

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: 343.143+/-0.067 χ^2/NDF :2261394.9/18

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

Left In: 347.853+/-0.069 χ^2/NDF :1321743.3/16

Left: 345.438+/-0.048 χ^2/NDF : 3585519.2/35

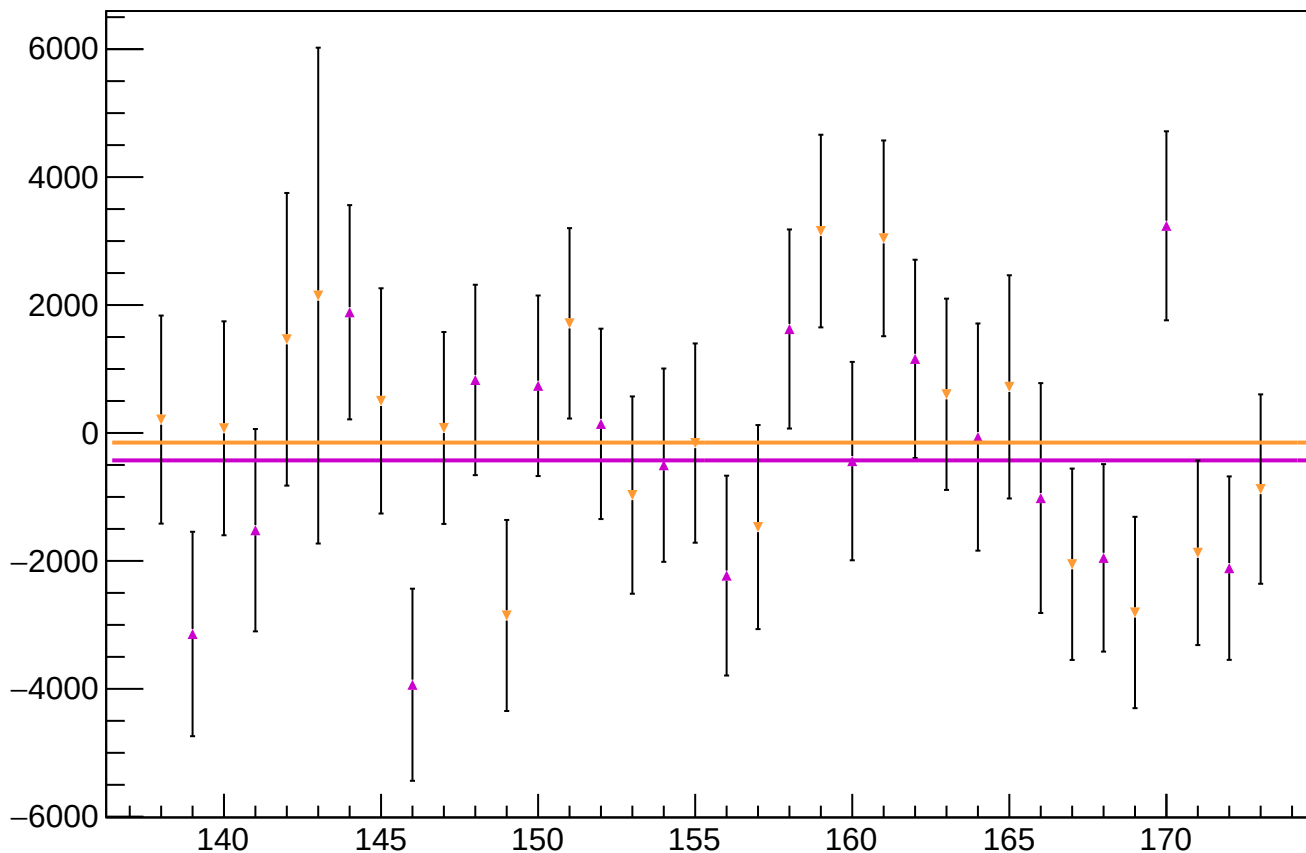
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 347.853+/-0.069 χ^2/NDF :1321743.3/16

Out: 343.143+/-0.067 χ^2/NDF :2261394.9/18

All: 345.438+/-0.048 χ^2/NDF : 3585519.2/35

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: -150.269+/-368.572 χ^2/NDF :23.0/18

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

Left In: -428.573+/-374.571 χ^2/NDF :25.2/16

Left: -287.175+/-262.715 χ^2/NDF : 48.5/35

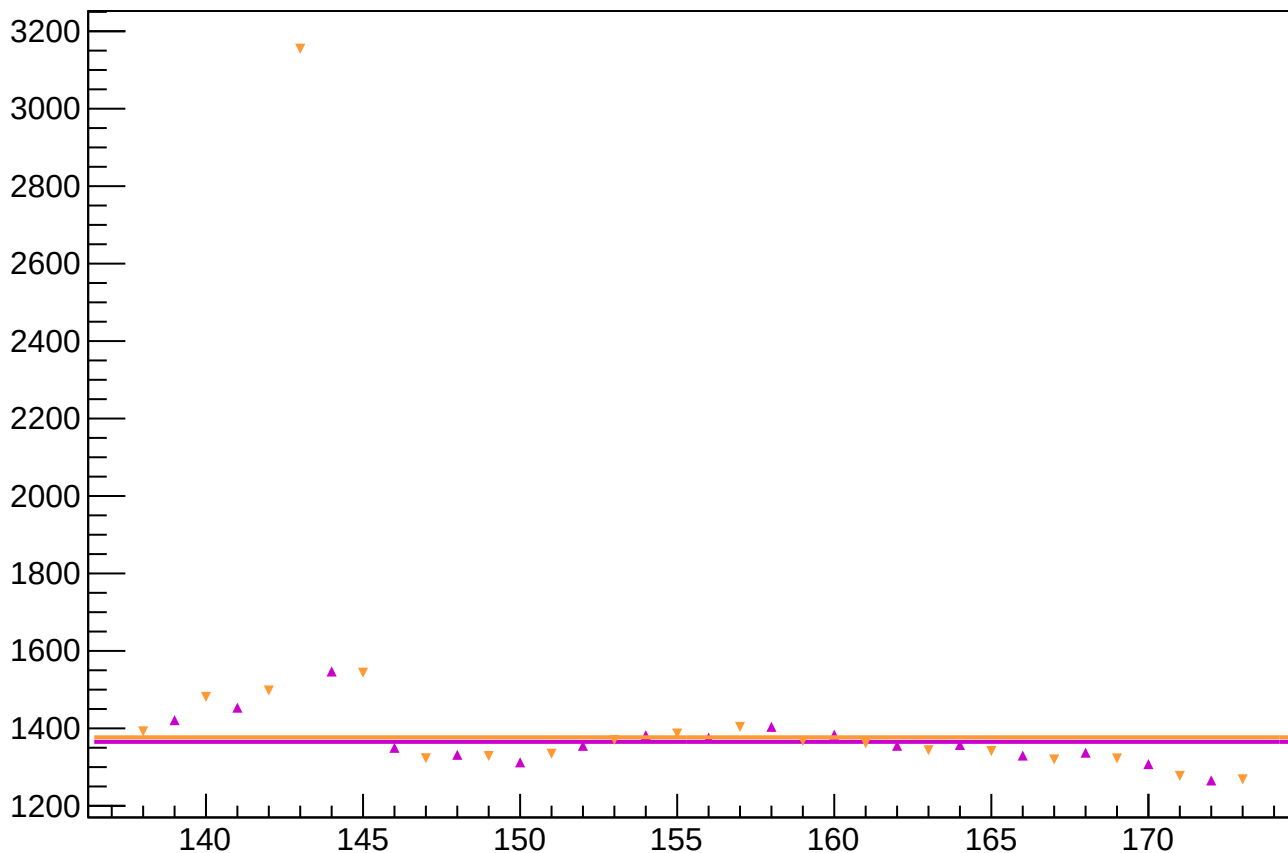
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -428.573+/-374.571 χ^2/NDF :25.2/16

Out: -150.269+/-368.572 χ^2/NDF :23.0/18

All: -287.175+/-262.715 χ^2/NDF : 48.5/35

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: 1376.967+/-0.261 χ^2 /NDF:487360.2/18

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

Left In: 1365.156+/-0.265 χ^2 /NDF:52570.2/16

Left: 1371.156+/-0.186 χ^2 /NDF: 540940.7/35

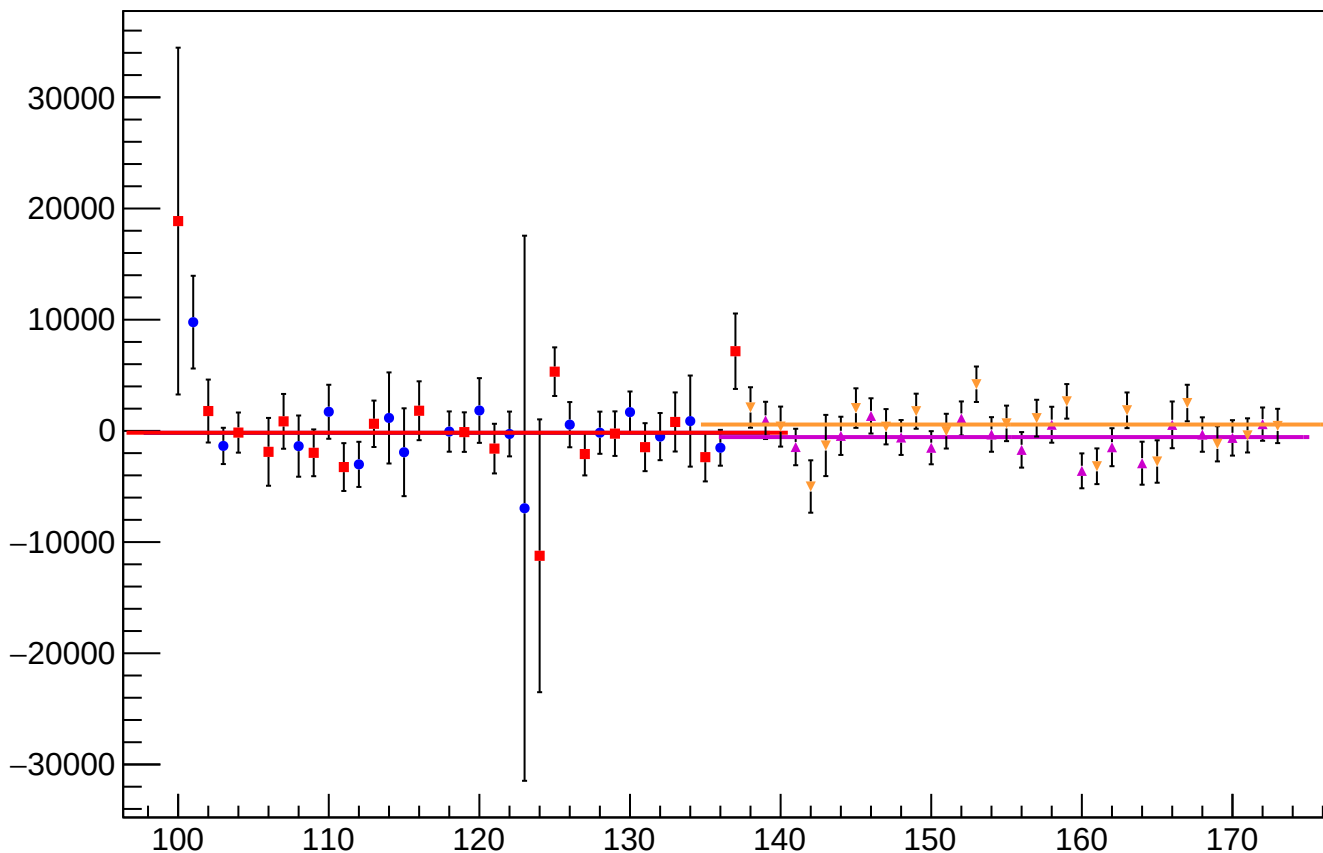
Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

In: 1365.156+/-0.265 χ^2 /NDF:52570.2/16

Out: 1376.967+/-0.261 χ^2 /NDF:487360.2/18

All: 1371.156+/-0.186 χ^2 /NDF: 540940.7/35

dit_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -174.841 ± 554.659 $\chi^2/\text{NDF}: 11.8/16$

Left Out: 572.493 ± 386.993 $\chi^2/\text{NDF}: 27.4/18$

Right Out: -164.937 ± 540.101 $\chi^2/\text{NDF}: 20.7/18$

Left In: -556.460 ± 394.236 $\chi^2/\text{NDF}: 11.6/16$

Left: 18.482 ± 276.170 $\chi^2/\text{NDF}: 43.2/35$

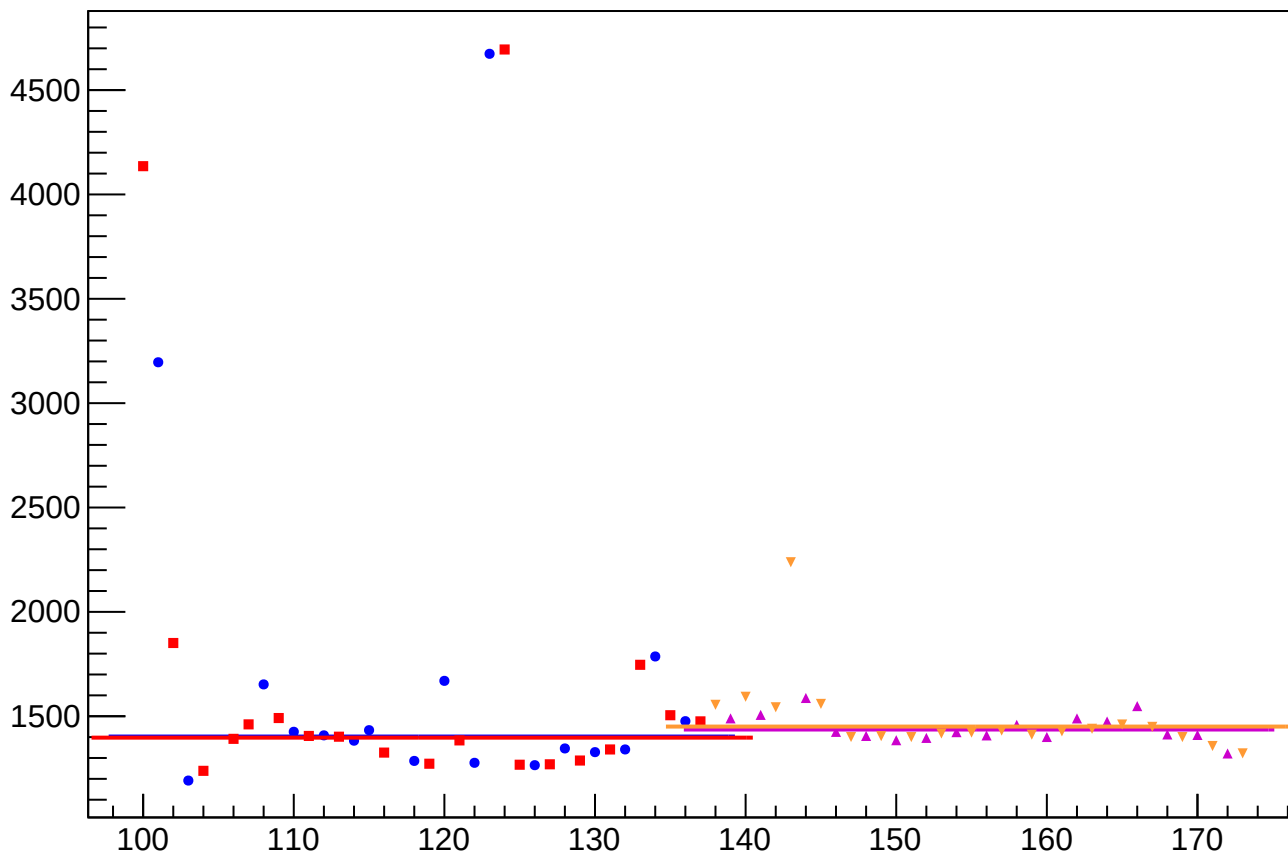
Right: -169.758 ± 386.953 $\chi^2/\text{NDF}: 32.4/35$

In: -428.376 ± 321.336 $\chi^2/\text{NDF}: 23.6/33$

Out: 322.330 ± 314.576 $\chi^2/\text{NDF}: 49.3/37$

All: -45.044 ± 224.791 $\chi^2/\text{NDF}: 75.8/71$

dit_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 1402.709+/-0.392 χ^2/NDF : 526326.4/16

Left Out: 1450.483+/-0.274 χ^2/NDF : 225971.9/18

Right Out: 1397.442+/-0.382 χ^2/NDF : 353365.4/18

Left In: 1436.332+/-0.279 χ^2/NDF : 49131.7/16

Left: 1443.539+/-0.195 χ^2/NDF : 276415.9/35

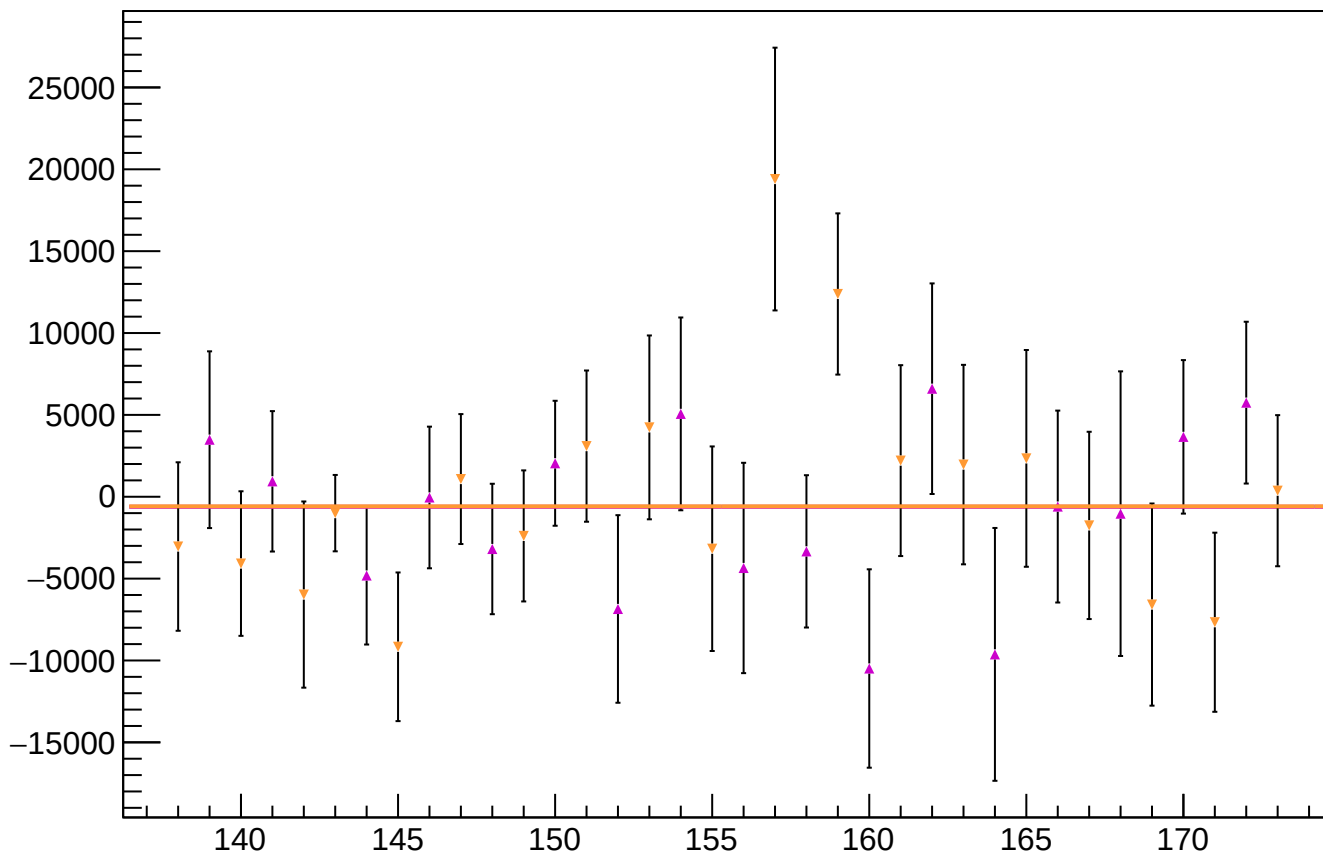
Right: 1400.004+/-0.274 χ^2/NDF : 879784.5/35

In: 1425.047+/-0.227 χ^2/NDF : 580341.0/33

Out: 1432.476+/-0.222 χ^2/NDF : 592092.2/37

All: 1428.841+/-0.159 χ^2/NDF : 1172979.2/71

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: -586.292+/-1081.038 χ^2/NDF :23.7/18

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

Left In: -612.226+/-1233.807 χ^2/NDF :13.2/16

Left: -597.555+/-813.088 χ^2/NDF : 36.9/35

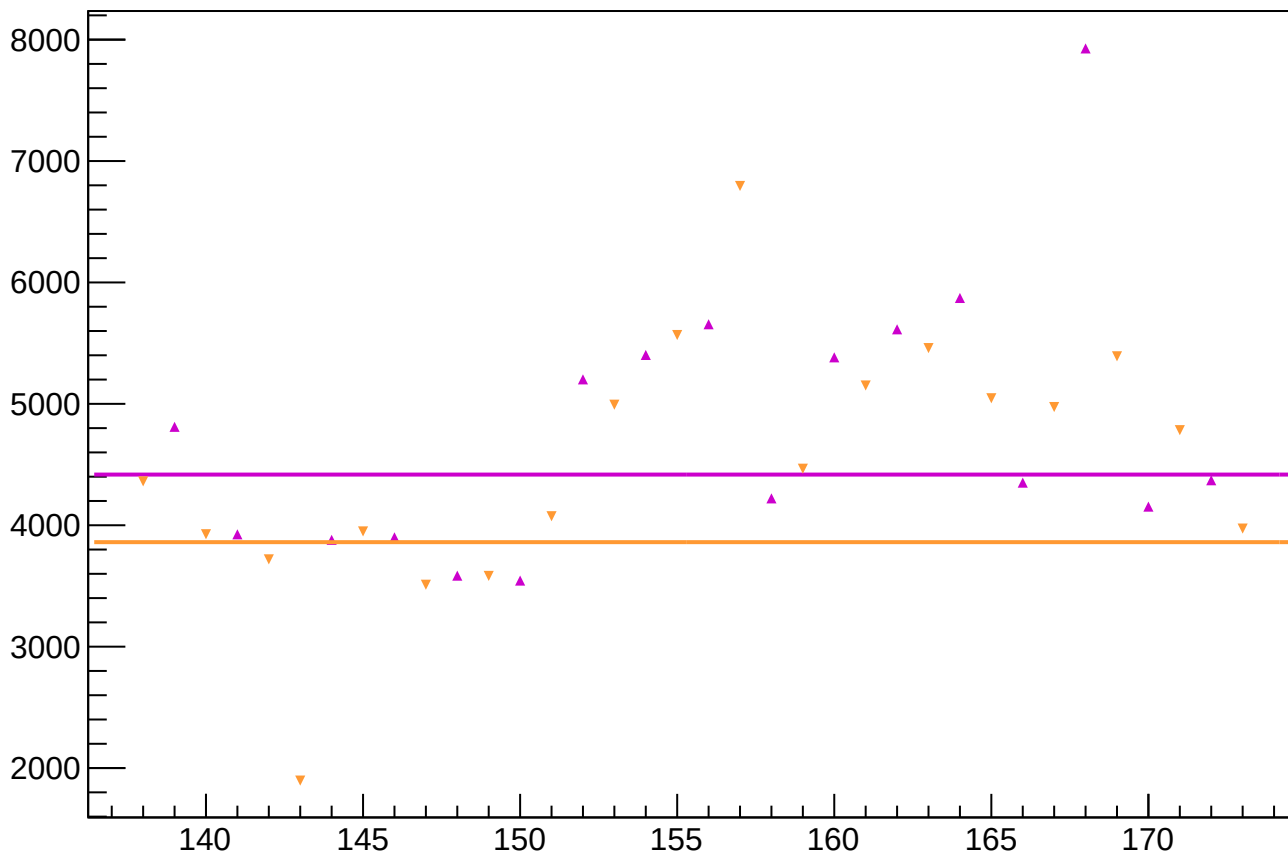
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -612.226+/-1233.807 χ^2/NDF :13.2/16

Out: -586.292+/-1081.038 χ^2/NDF :23.7/18

All: -597.555+/-813.088 χ^2/NDF : 36.9/35

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: 3860.806+/-0.764 χ^2/NDF :2553728.4/18

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

Left In: 4417.436+/-0.872 χ^2/NDF :985390.2/16

Left: 4102.545+/-0.575 χ^2/NDF : 3769401.9/35

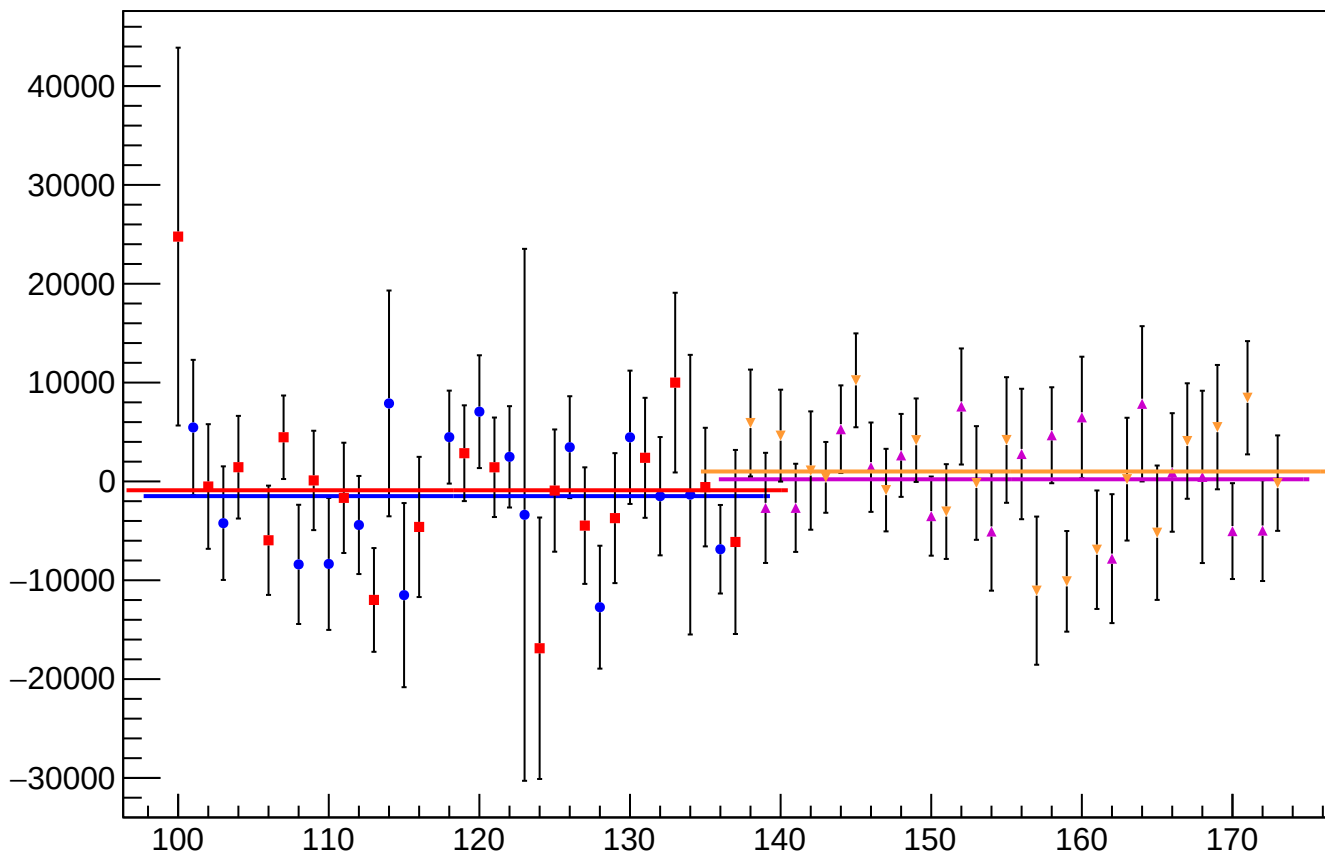
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4417.436+/-0.872 χ^2/NDF :985390.2/16

Out: 3860.806+/-0.764 χ^2/NDF :2553728.4/18

All: 4102.545+/-0.575 χ^2/NDF : 3769401.9/35

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: 1006.056 $\pm$ 1193.346 χ^2 /NDF: 19.5/18

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

Left In: 216.058 $\pm$ 1278.299 χ^2 /NDF: 12.3/16

Left: 638.178 $\pm$ 872.311 χ^2 /NDF: 32.0/35

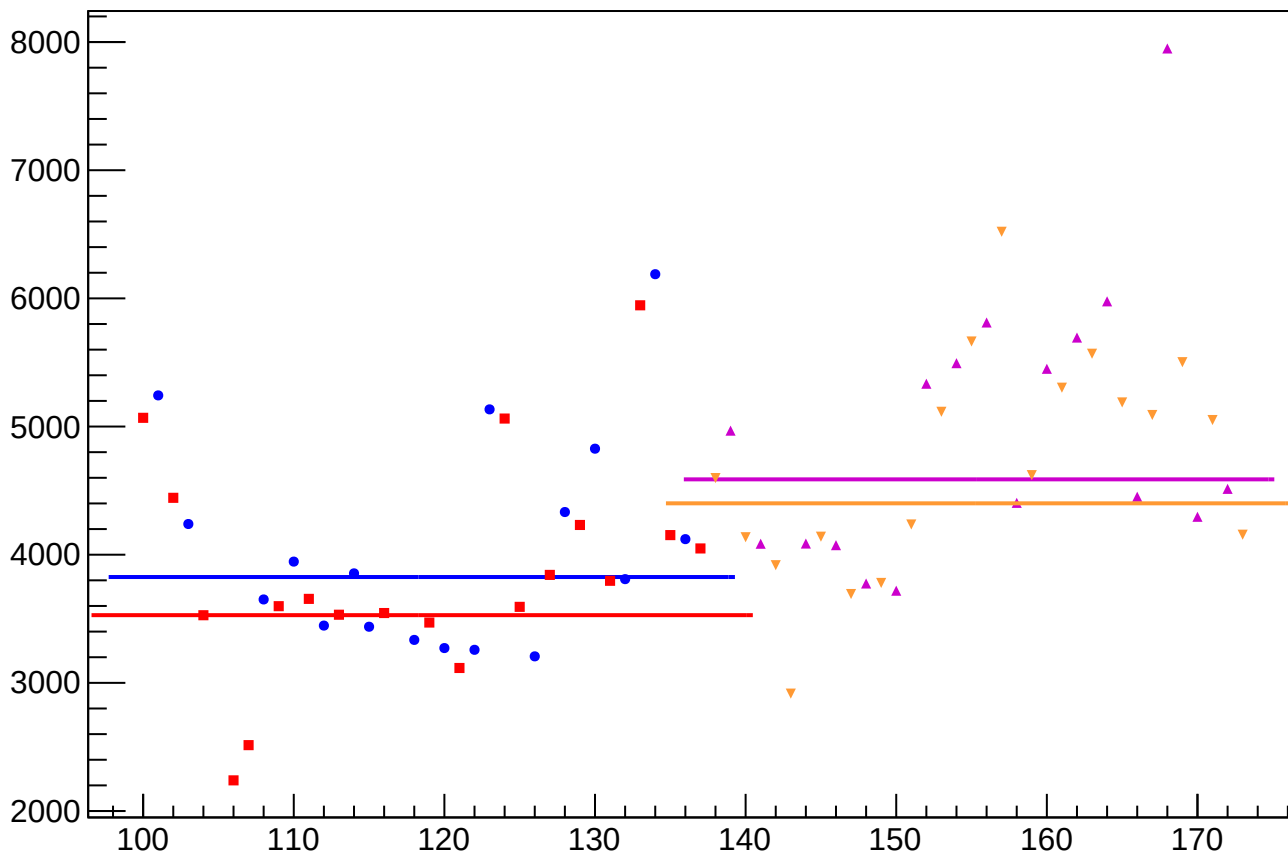
Right: -1165.879 $\pm$ 1014.876 χ^2 /NDF: 30.9/35

In: -500.936 $\pm$ 972.688 χ^2 /NDF: 29.8/33

Out: 192.321 $\pm$ 902.352 χ^2 /NDF: 34.7/37

All: -128.339 $\pm$ 661.529 χ^2 /NDF: 64.7/71

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3825.844+/-1.060 χ^2/NDF : 334404.3/16

Left Out: 4400.843+/-0.844 χ^2/NDF : 1010921.3/18

Right Out: 3528.289+/-0.966 χ^2/NDF : 555414.1/18

Left In: 4587.891+/-0.904 χ^2/NDF : 870922.8/16

Left: 4487.945+/-0.617 χ^2/NDF : 1904725.5/35

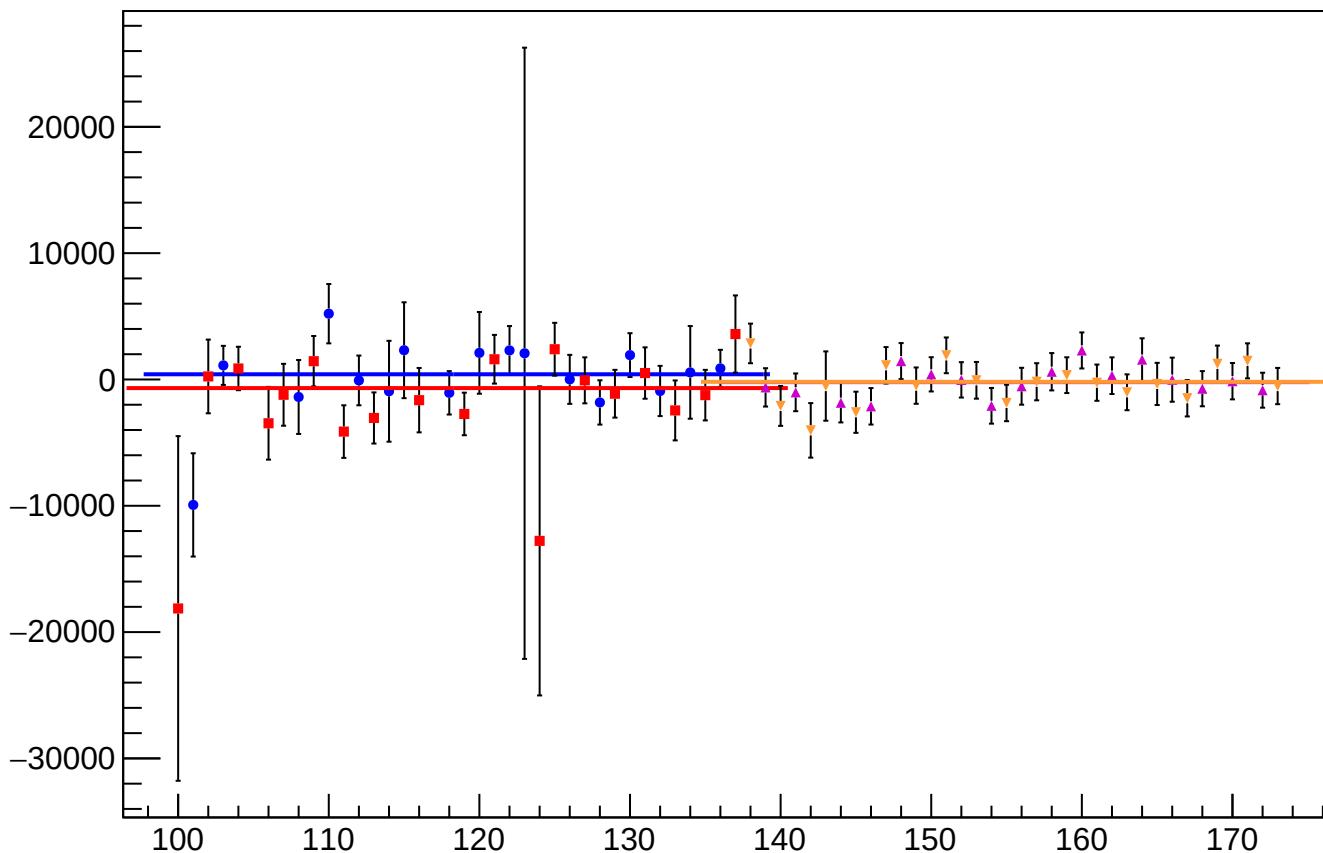
Right: 3663.316+/-0.714 χ^2/NDF : 932858.8/35

In: 4267.063+/-0.688 χ^2/NDF : 1504566.6/33

Out: 4023.280+/-0.636 χ^2/NDF : 2029013.1/37

All: 4135.565+/-0.467 χ^2/NDF : 3601346.7/71

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: -186.612 $\pm$ 348.890 χ^2 /NDF:18.8/18

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

Left In: -210.743 $\pm$ 355.492 χ^2 /NDF:11.6/16

Left: -198.451 $\pm$ 249.004 χ^2 /NDF: 30.4/35

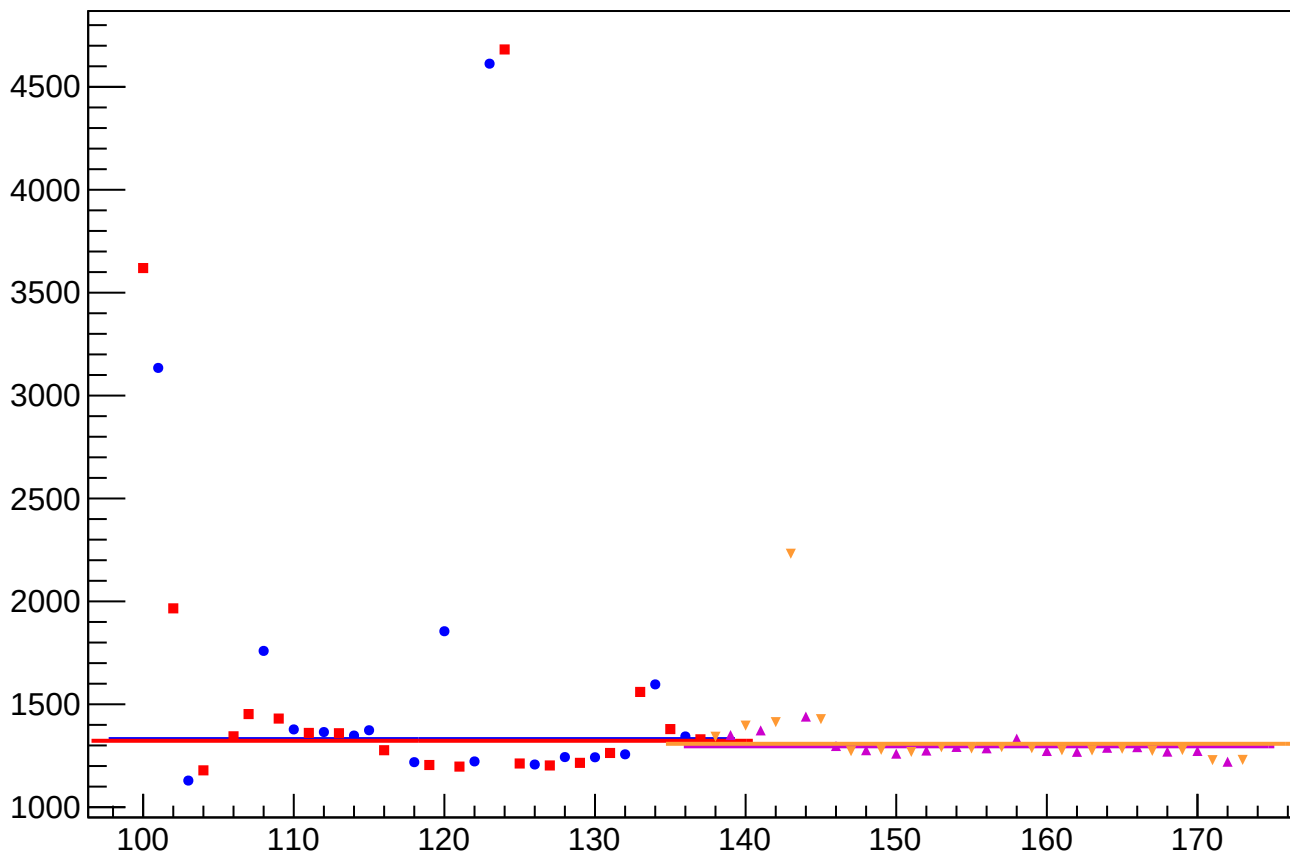
Right: -154.107 $\pm$ 366.889 χ^2 /NDF: 36.8/35

In: -16.672 $\pm$ 294.881 χ^2 /NDF:29.1/33

Out: -344.513 $\pm$ 287.992 χ^2 /NDF:37.4/37

All: -184.467 $\pm$ 206.033 χ^2 /NDF: 67.2/71

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: 1308.044+/-0.247 χ^2/NDF : 271376.1/18

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

Left In: 1295.806+/-0.251 χ^2/NDF : 36914.5/16

Left: 1302.039+/-0.176 χ^2/NDF : 309498.0/35

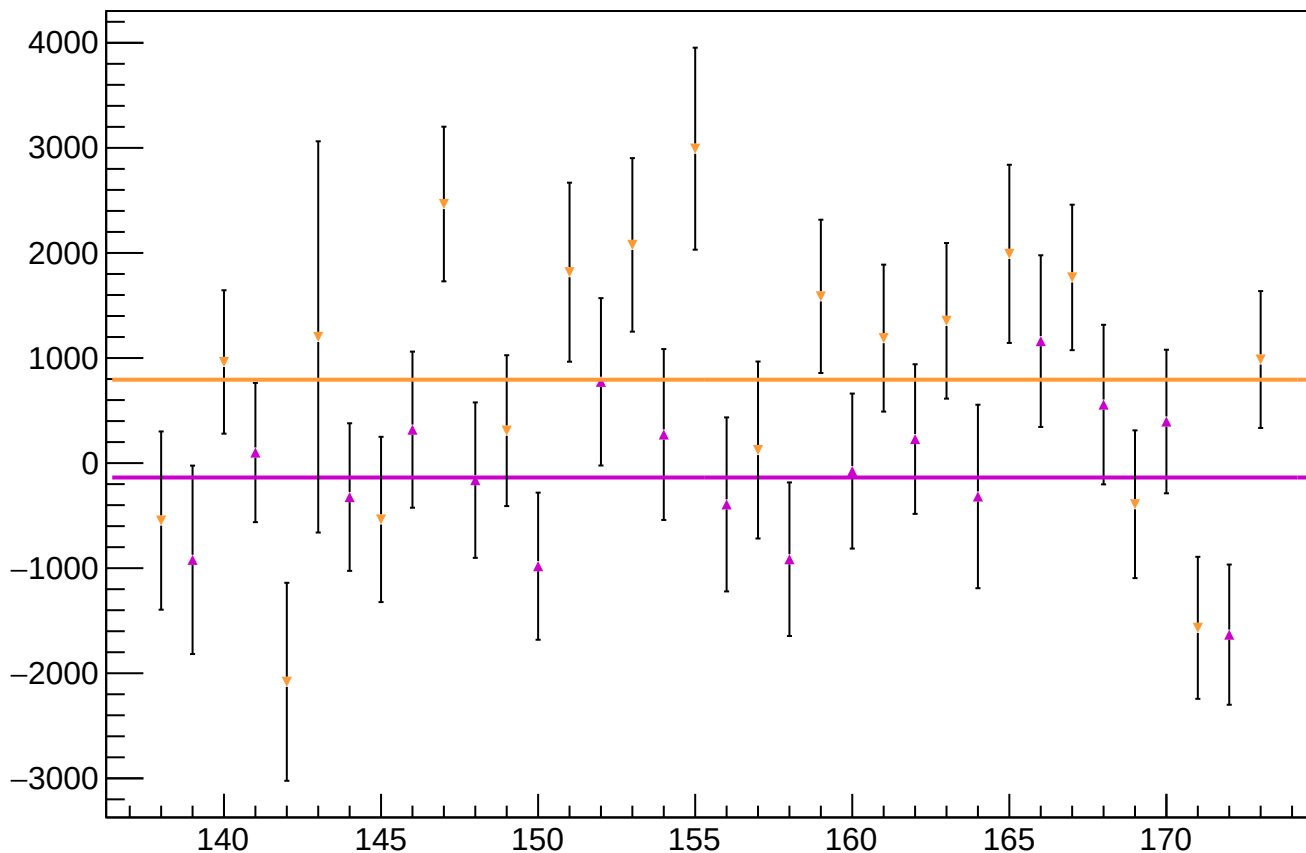
Right: 1326.657+/-0.259 χ^2/NDF : 998136.6/35

In: 1306.749+/-0.209 χ^2/NDF : 646465.3/33

Out: 1312.716+/-0.204 χ^2/NDF : 666915.2/37

All: 1309.803+/-0.146 χ^2/NDF : 1313799.5/71

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: 793.897+/-178.208 χ^2/NDF :51.3/18

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

Left In: -137.092+/-181.399 χ^2/NDF :14.9/16

Left: 336.661+/-127.125 χ^2/NDF : 79.6/35

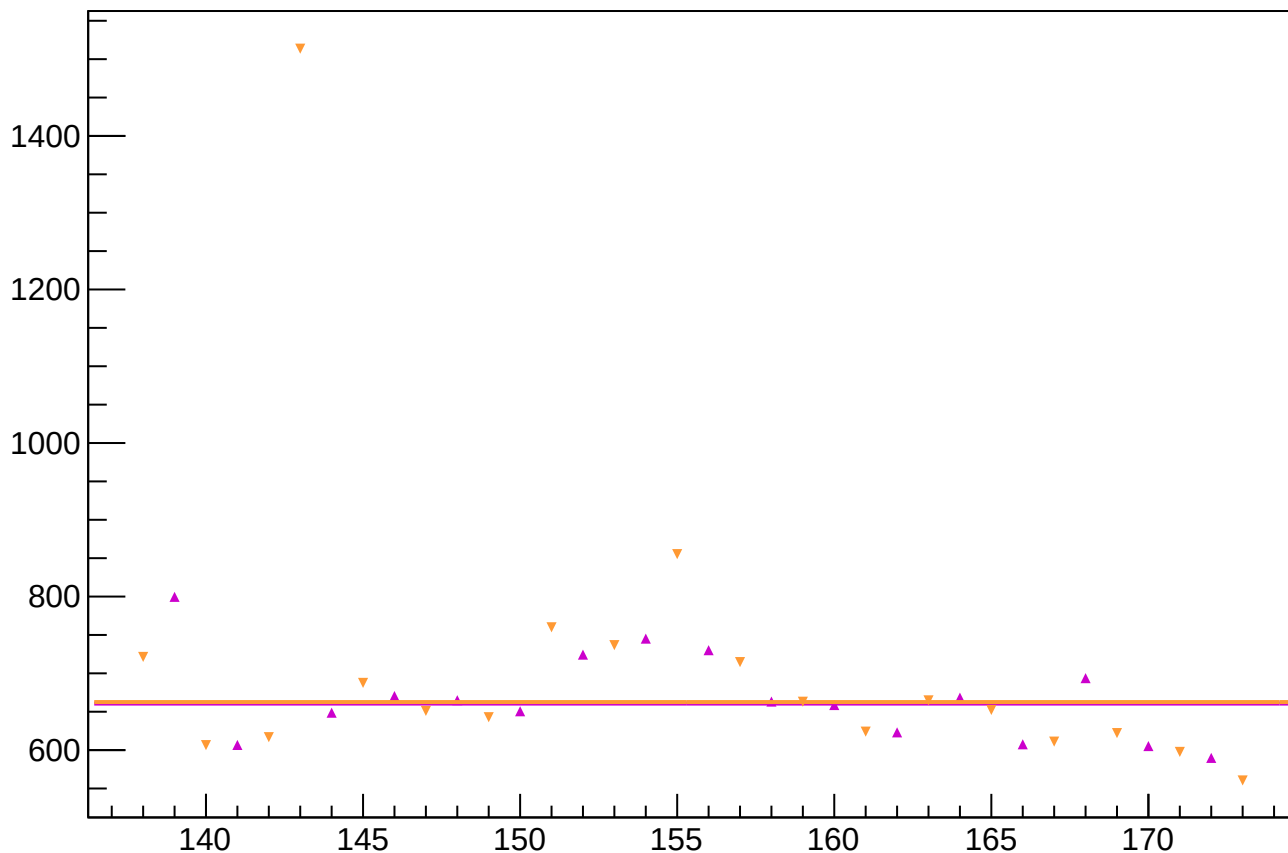
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -137.092+/-181.399 χ^2/NDF :14.9/16

Out: 793.897+/-178.208 χ^2/NDF :51.3/18

All: 336.661+/-127.125 χ^2/NDF : 79.6/35

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: 662.599+/-0.126 χ^2/NDF : 671812.3/18

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

Left In: 660.604+/-0.128 χ^2/NDF : 164841.0/16

Left: 661.620+/-0.090 χ^2/NDF : 836776.4/35

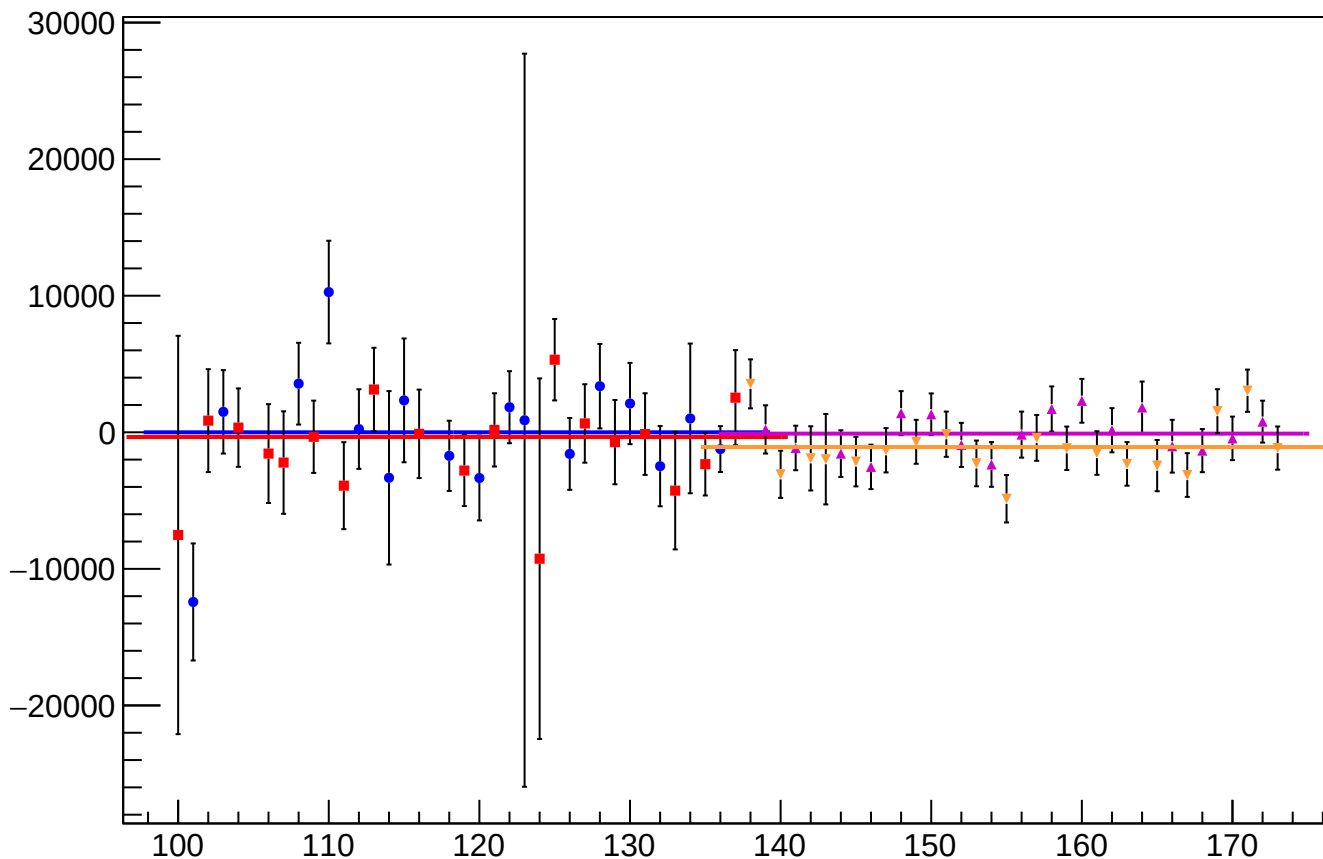
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 660.604+/-0.128 χ^2/NDF : 164841.0/16

Out: 662.599+/-0.126 χ^2/NDF : 671812.3/18

All: 661.620+/-0.090 χ^2/NDF : 836776.4/35

asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: -2.204 ± 745.061 $\chi^2/\text{NDF}: 23.5/16$

Left Out: -1080.242 ± 393.575 $\chi^2/\text{NDF}: 27.0/18$

Right Out: -345.148 ± 733.723 $\chi^2/\text{NDF}: 10.7/18$

Left In: -97.993 ± 400.241 $\chi^2/\text{NDF}: 13.0/16$

Left: -597.366 ± 280.627 $\chi^2/\text{NDF}: 43.1/35$

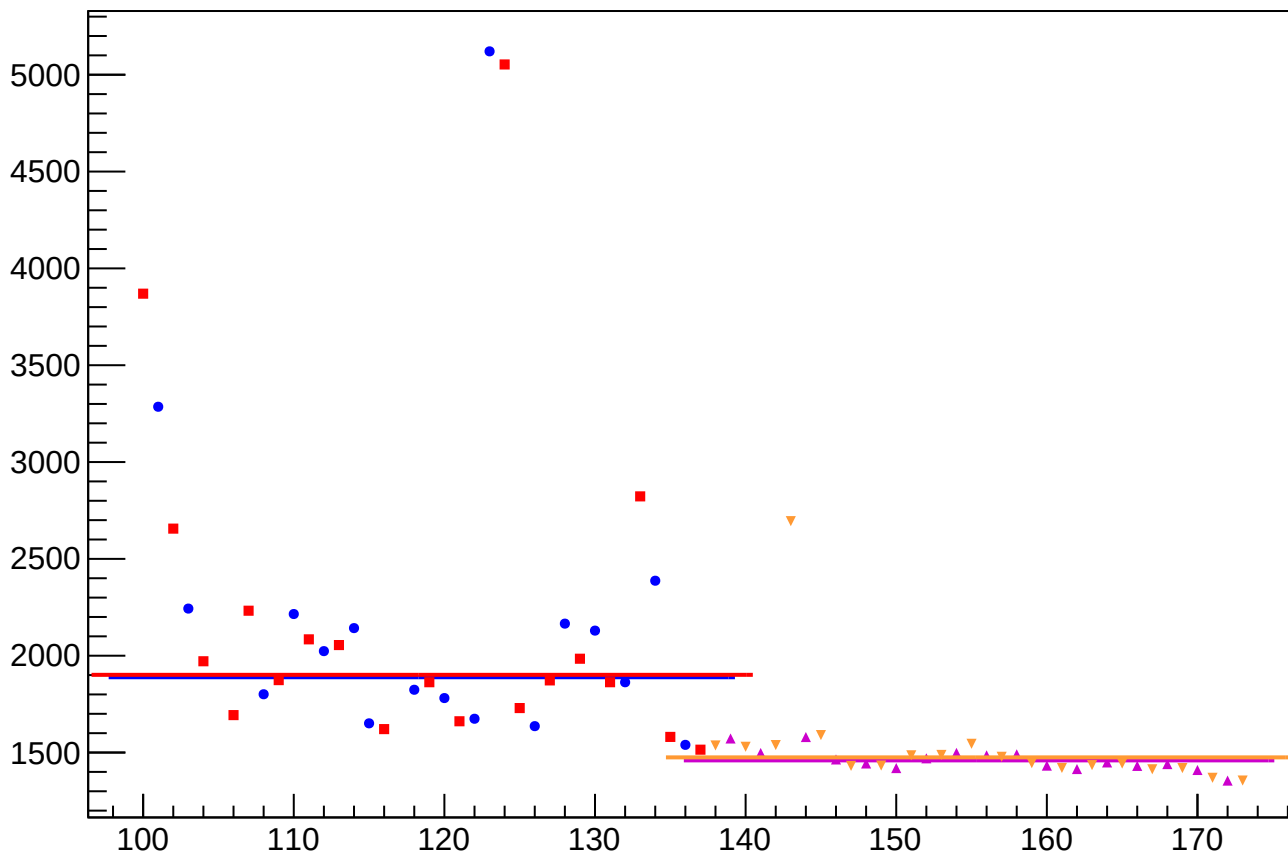
Right: -176.305 ± 522.783 $\chi^2/\text{NDF}: 34.3/35$

In: -76.541 ± 352.588 $\chi^2/\text{NDF}: 36.5/33$

Out: -915.992 ± 346.828 $\chi^2/\text{NDF}: 38.5/37$

All: -503.179 ± 247.256 $\chi^2/\text{NDF}: 77.9/71$

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: 1474.980+/-0.278 χ^2/NDF : 322503.6/18

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

Left In: 1459.521+/-0.283 χ^2/NDF : 37297.8/16

Left: 1467.380+/-0.198 χ^2/NDF : 361318.2/35

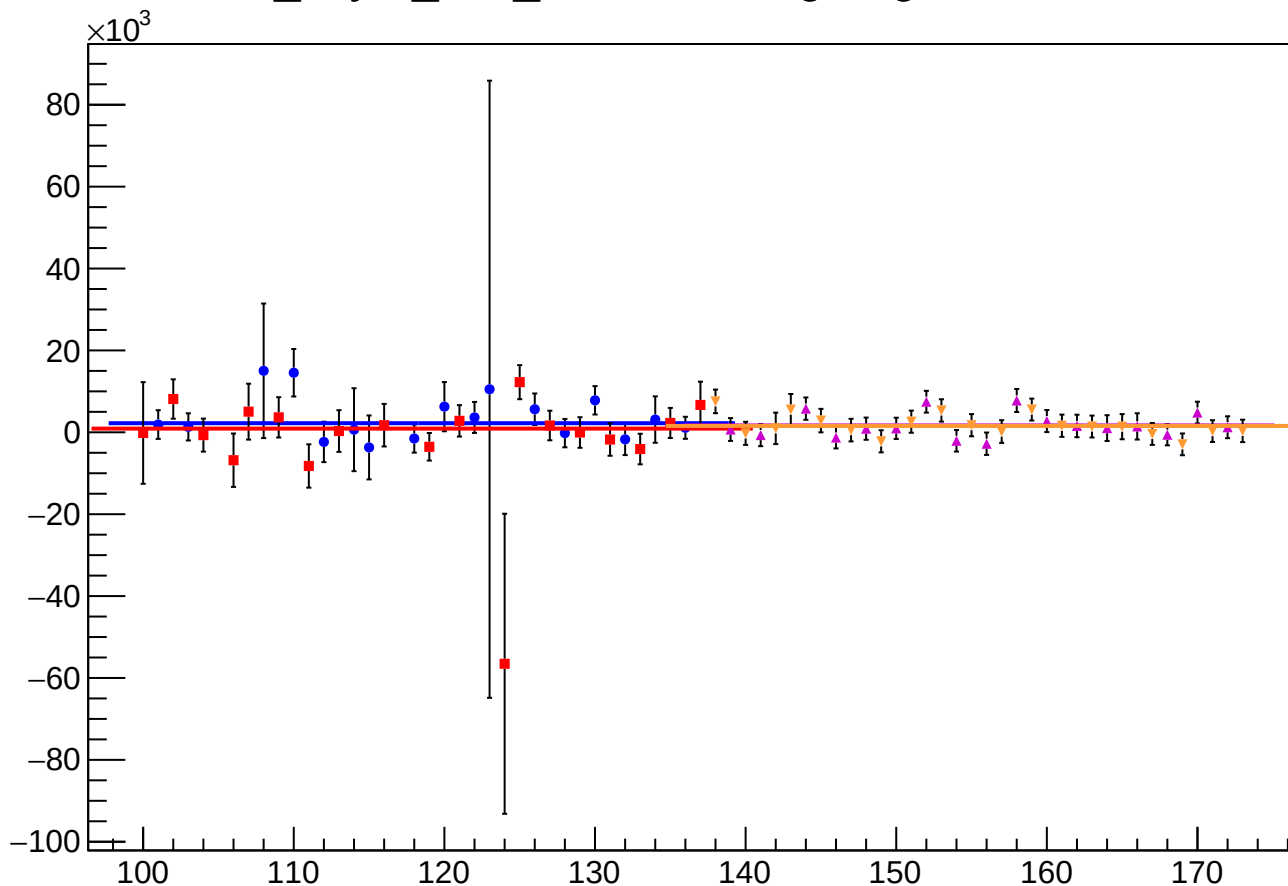
Right: 1895.125+/-0.370 χ^2/NDF : 927550.0/35

In: 1555.661+/-0.249 χ^2/NDF : 1018416.8/33

Out: 1570.228+/-0.245 χ^2/NDF : 1308150.6/37

All: 1563.065+/-0.175 χ^2/NDF : 2328302.3/71

dit_asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 1562.760 $\pm$ 647.212 χ^2 /NDF:16.5/18

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

Left In: 1685.911 $\pm$ 663.775 χ^2 /NDF:21.1/16

Left: 1622.780 $\pm$ 463.393 χ^2 /NDF: 37.6/35

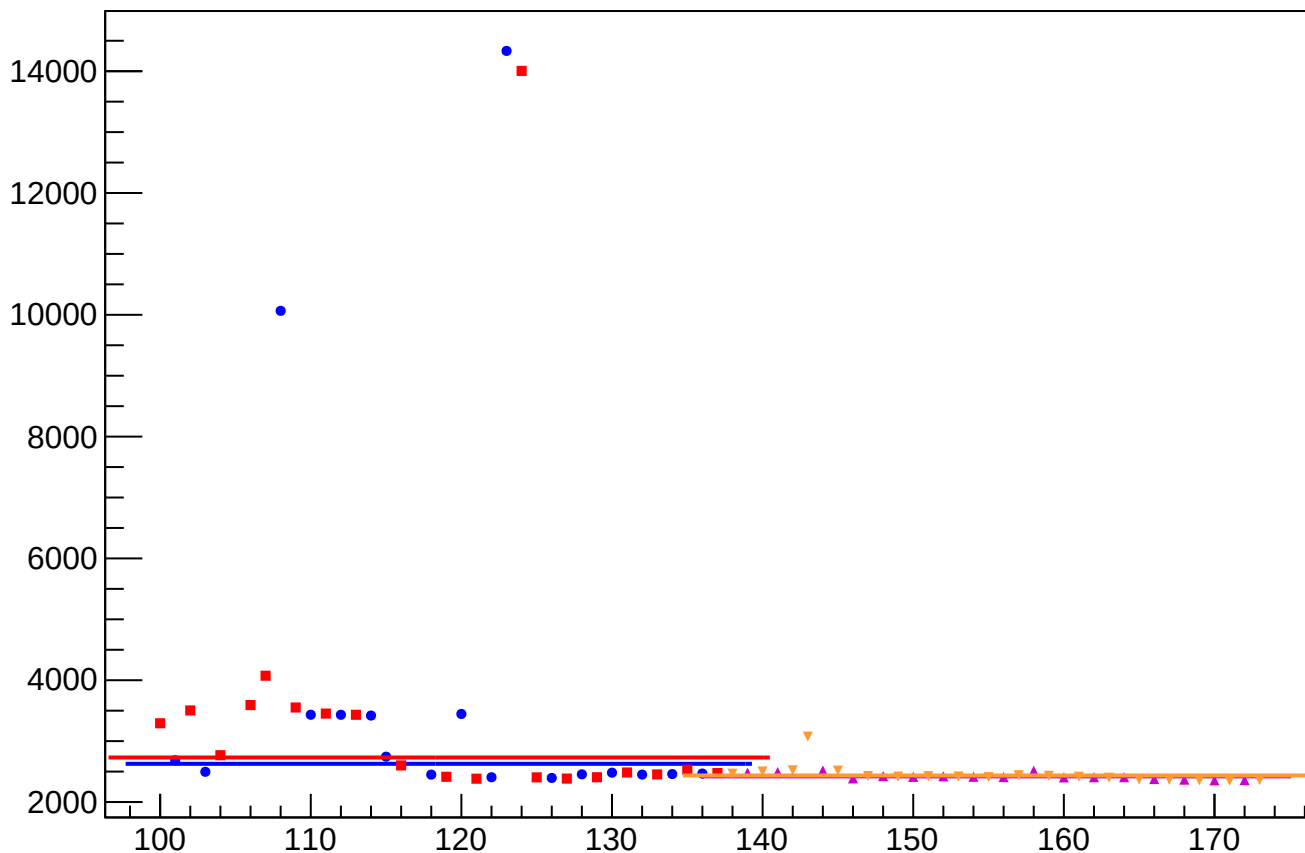
Right: 1572.479 $\pm$ 737.556 χ^2 /NDF: 37.3/35

In: 1842.831 $\pm$ 559.413 χ^2 /NDF:34.8/33

Out: 1381.661 $\pm$ 550.503 χ^2 /NDF:39.7/37

All: 1608.544 $\pm$ 392.377 χ^2 /NDF: 74.8/71

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2627.570+/-0.735 χ^2/NDF : 644396.7/16

Left Out: 2436.217+/-0.458 χ^2/NDF : 68535.3/18

Right Out: 2731.271+/-0.740 χ^2/NDF : 598207.5/18

Left In: 2420.816+/-0.469 χ^2/NDF : 11122.9/16

Left: 2428.711+/-0.328 χ^2/NDF : 80210.2/35

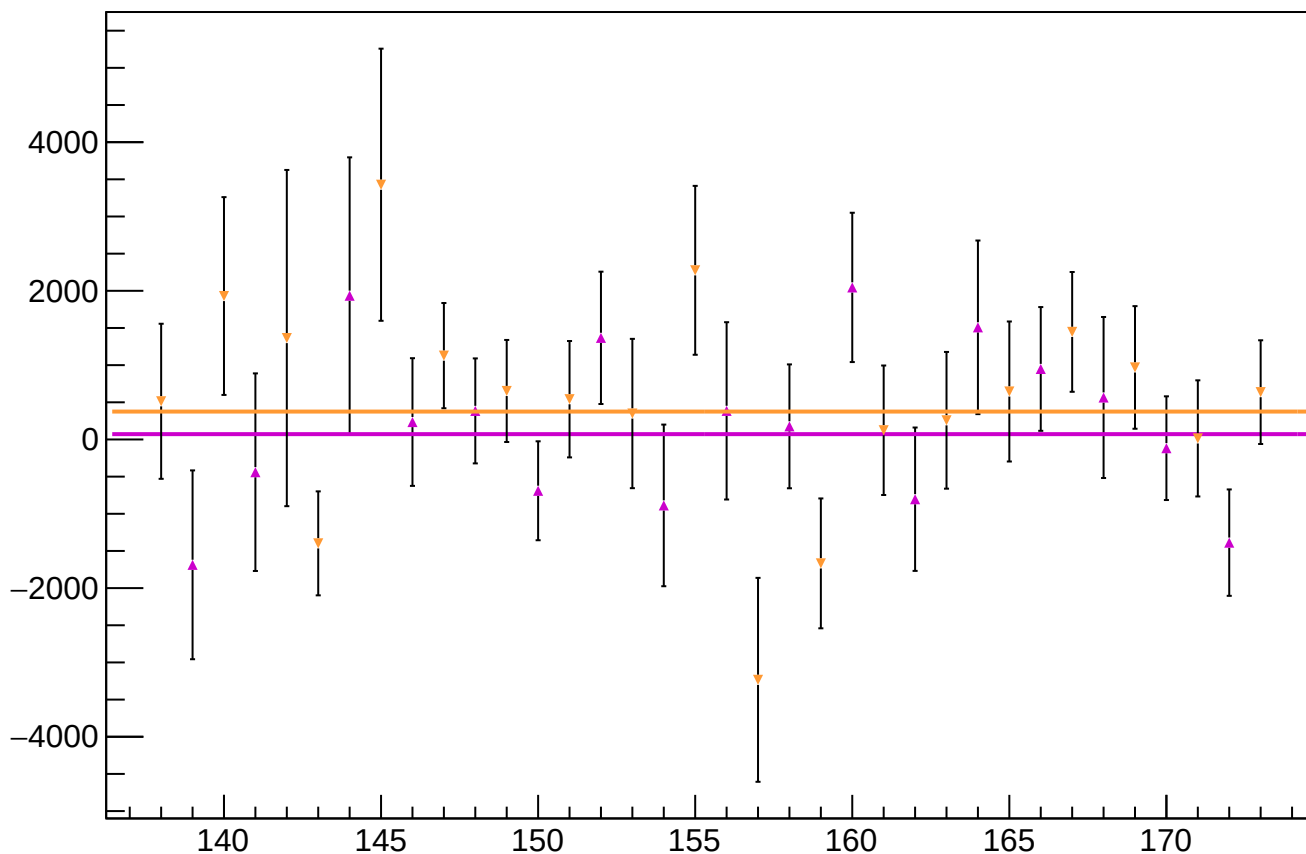
Right: 2679.043+/-0.522 χ^2/NDF : 1252488.0/35

In: 2480.719+/-0.396 χ^2/NDF : 711739.6/33

Out: 2517.806+/-0.389 χ^2/NDF : 781681.2/37

All: 2499.560+/-0.277 χ^2/NDF : 1497886.6/71

asym_atl1_correction_mean vs Slug, Sign Corrected



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

Left Out: 375.366+/-205.394 χ^2/NDF :30.1/18

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

Left In: 71.593+/-221.179 χ^2/NDF :19.3/16

Left: 234.705+/-150.507 χ^2/NDF : 50.5/35

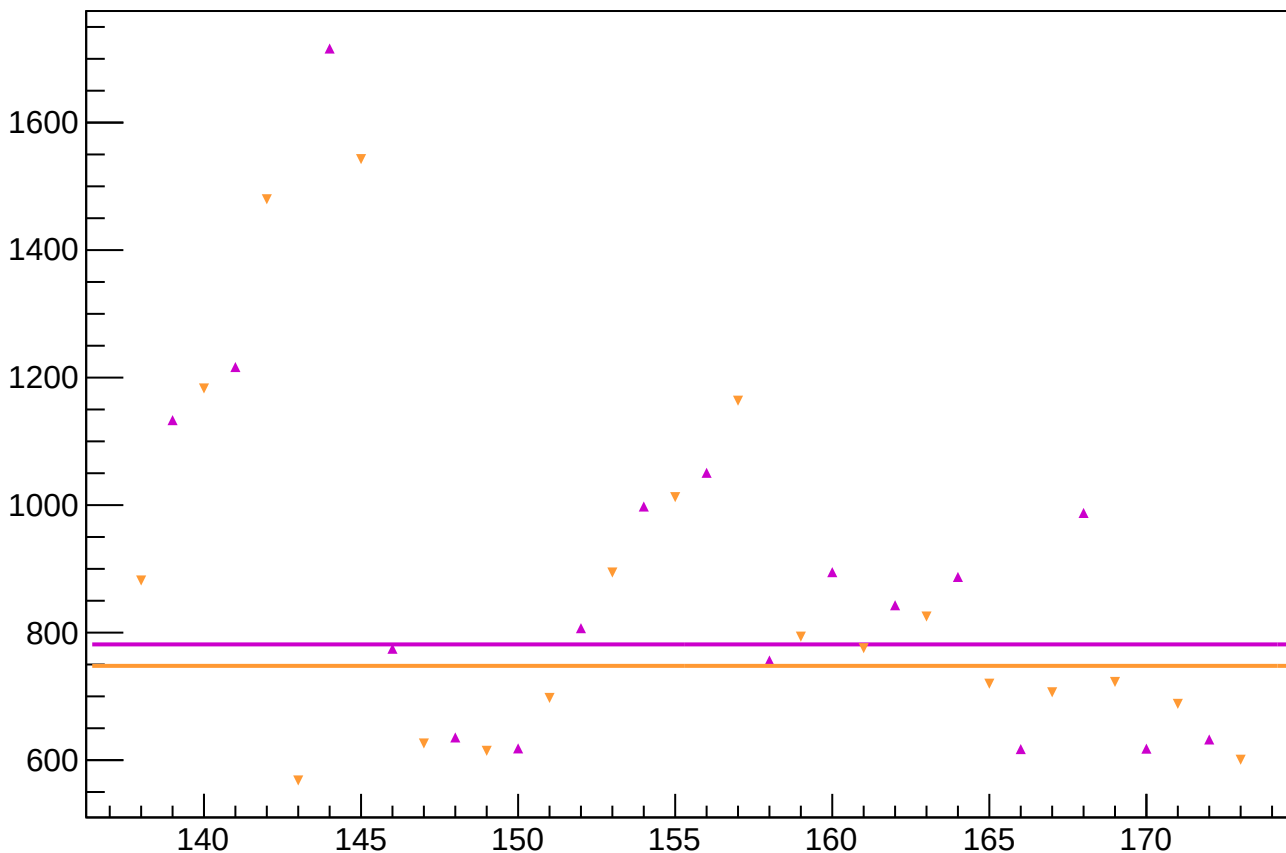
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 71.593+/-221.179 χ^2/NDF :19.3/16

Out: 375.366+/-205.394 χ^2/NDF :30.1/18

All: 234.705+/-150.507 χ^2/NDF : 50.5/35

asym_atl1_correction_rms vs Slug, Sign Corrected



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

Left Out: 747.864+/-0.145 χ^2/NDF :1574113.0/18

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

Left In: 781.520+/-0.156 χ^2/NDF :1658551.6/16

Left: 763.448+/-0.106 χ^2/NDF : 3257531.3/35

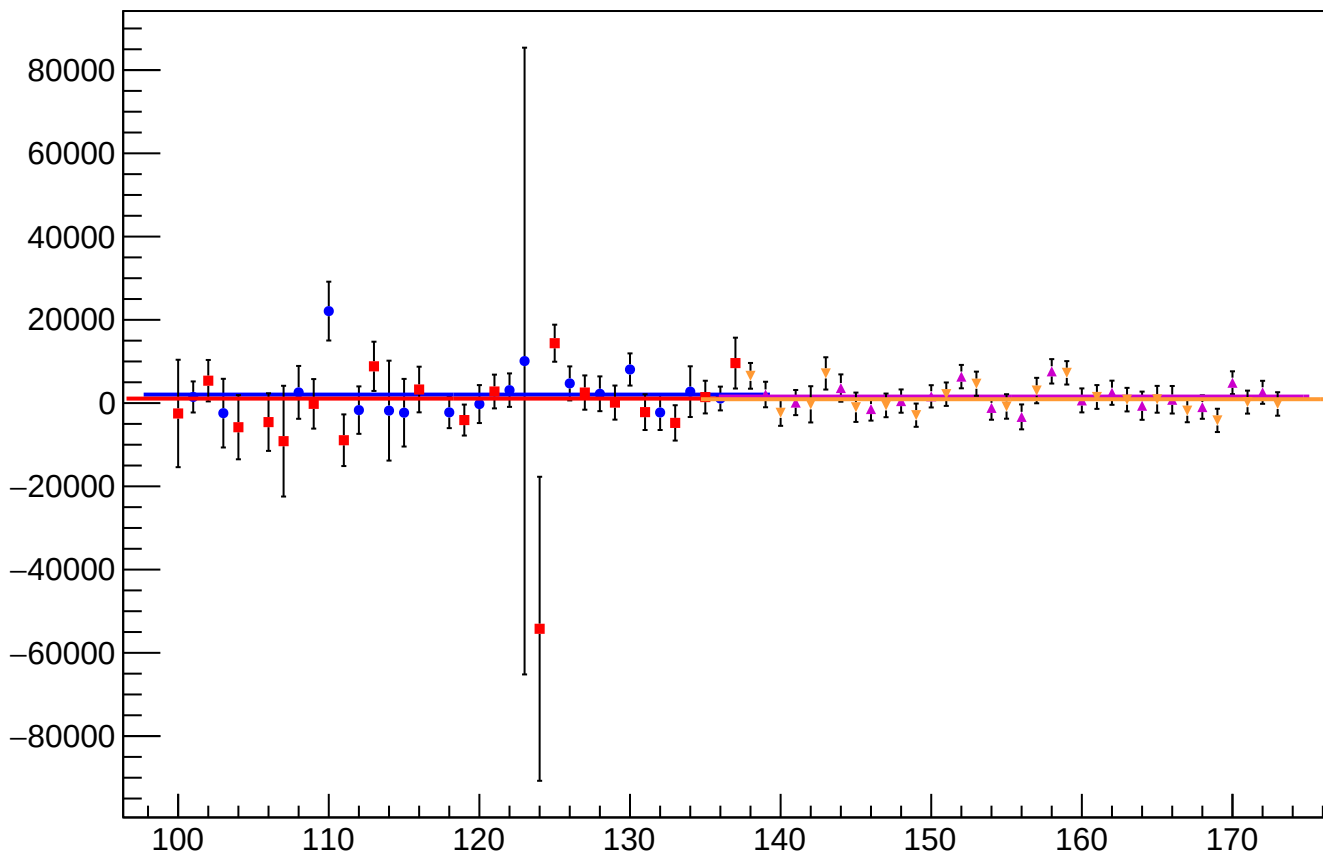
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 781.520+/-0.156 χ^2/NDF :1658551.6/16

Out: 747.864+/-0.145 χ^2/NDF :1574113.0/18

All: 763.448+/-0.106 χ^2/NDF : 3257531.3/35

asym_atl1_mean vs Slug, Sign Corrected



Right In: 2037.803+/-1151.419 χ^2/NDF : 14.8/16

Left Out: 930.512+/-688.664 χ^2/NDF : 21.7/18

Right Out: 1080.125+/-1186.666 χ^2/NDF : 25.3/18

Left In: 1564.840+/-708.770 χ^2/NDF : 15.8/16

Left: 1238.551+/-493.914 χ^2/NDF : 37.9/35

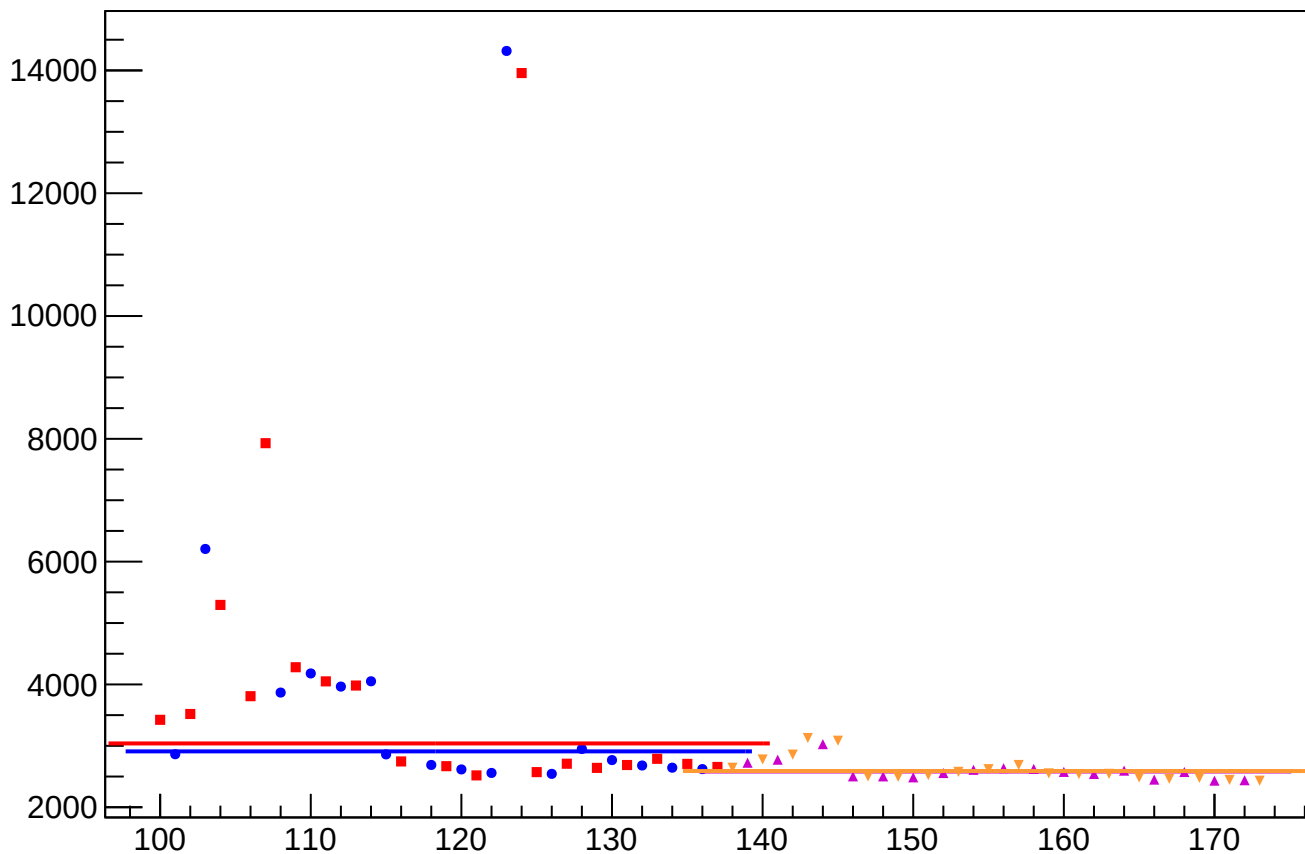
Right: 1573.398+/-826.356 χ^2/NDF : 40.5/35

In: 1694.807+/-603.582 χ^2/NDF : 30.7/33

Out: 968.205+/-595.629 χ^2/NDF : 47.1/37

All: 1326.688+/-423.957 χ^2/NDF : 78.5/71

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2909.732 $\pm$ 0.814 χ^2 /NDF: 641894.7/16

Left Out: 2589.387 $\pm$ 0.487 χ^2 /NDF:123415.8/18

Right Out: 3039.118 $\pm$ 0.839 χ^2 /NDF: 1011306.5/18

Left In: 2581.752 $\pm$ 0.501 χ^2 /NDF:71344.5/16

Left: 2585.679 $\pm$ 0.349 χ^2 /NDF: 194879.6/35

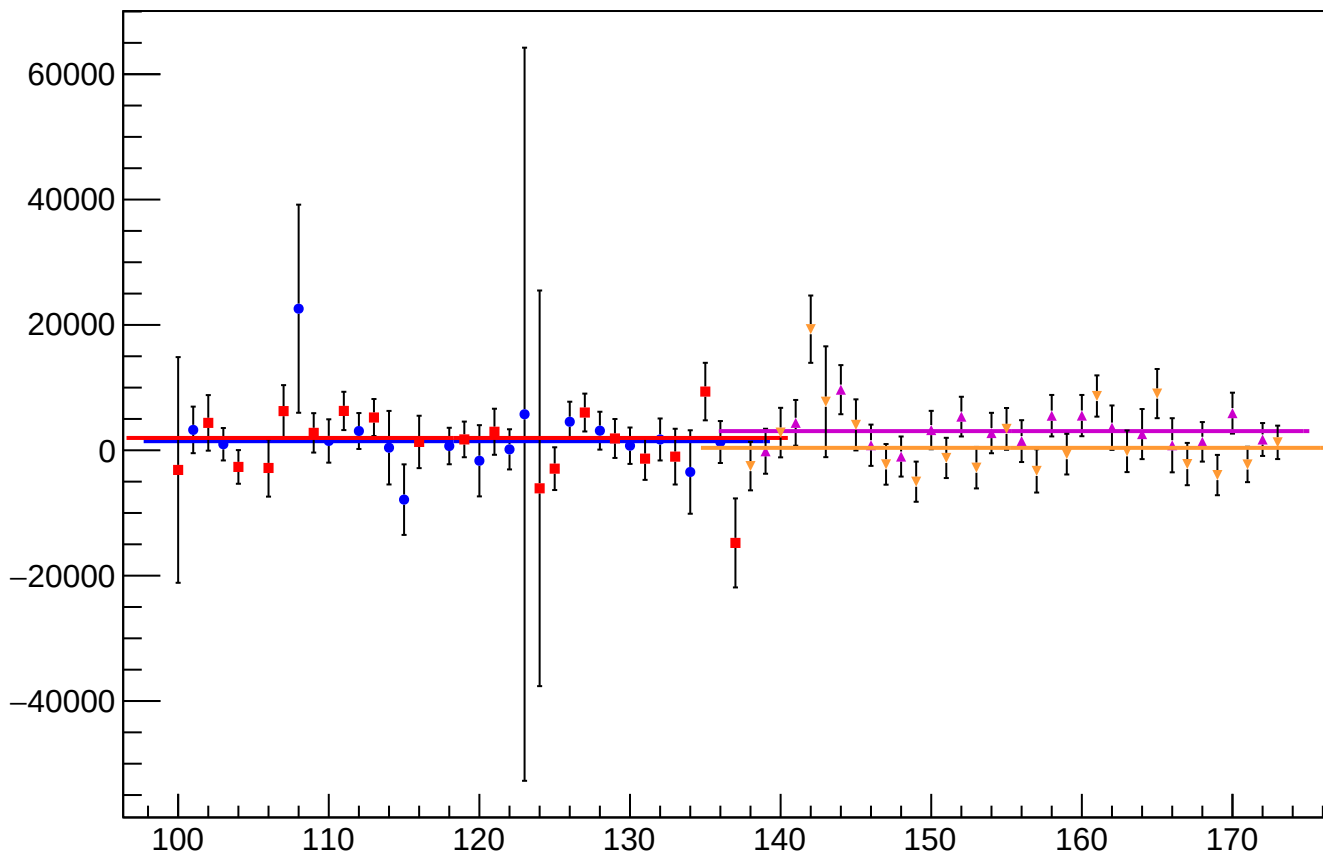
Right: 2972.475 $\pm$ 0.584 χ^2 /NDF: 1665447.8/35

In: 2671.879 $\pm$ 0.427 χ^2 /NDF:830924.3/33

Out: 2702.692 $\pm$ 0.421 χ^2 /NDF:1349611.6/37

All: 2687.490 $\pm$ 0.300 χ^2 /NDF: 2183176.6/71

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1451.980 $\pm$ 889.008 χ^2 /NDF: 7.4/16

Left Out: 388.411 $\pm$ 793.731 χ^2 /NDF:36.2/18

Right Out: 1969.182 $\pm$ 850.490 χ^2 /NDF: 22.4/18

Left In: 3060.488 $\pm$ 811.229 χ^2 /NDF:9.4/16

Left: 1695.320 $\pm$ 567.338 χ^2 /NDF: 51.1/35

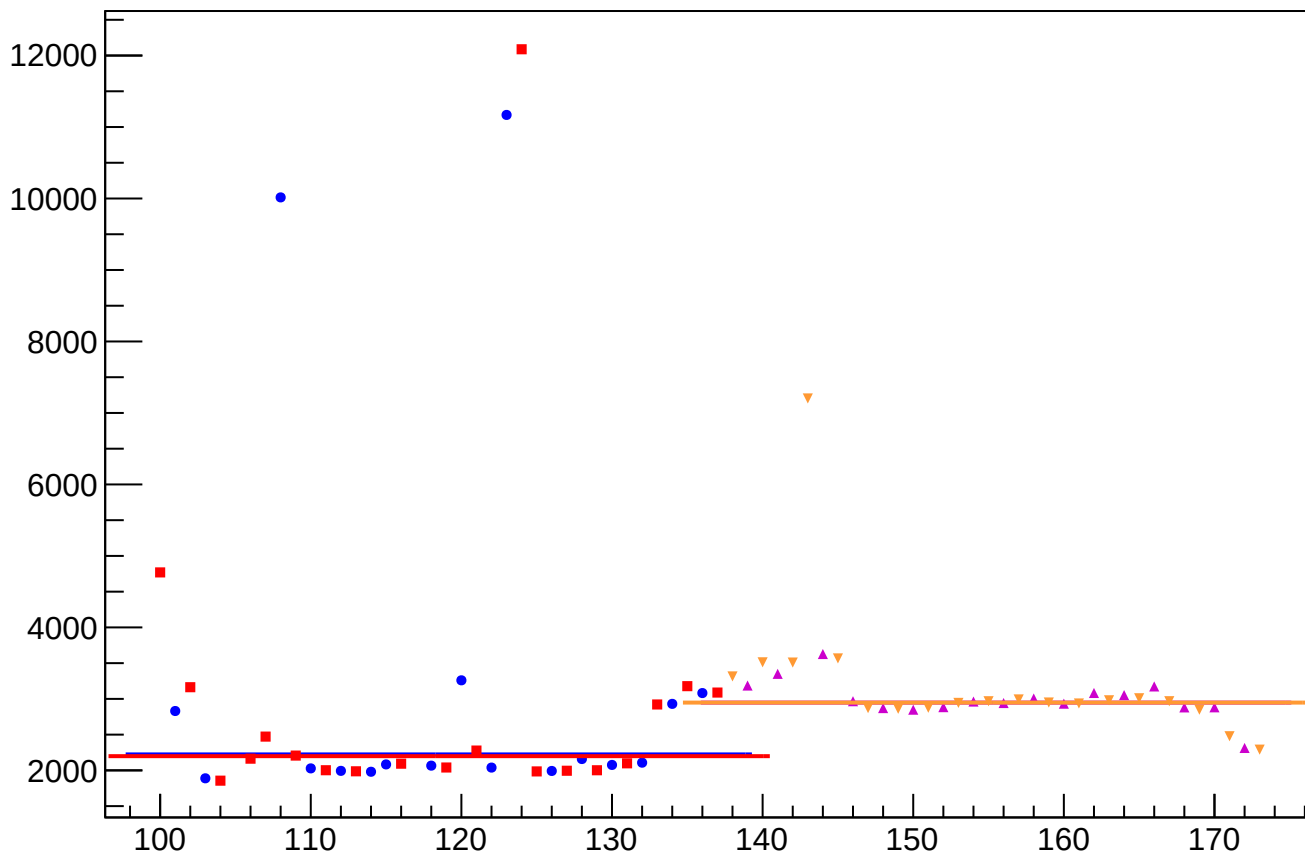
Right: 1722.028 $\pm$ 614.553 χ^2 /NDF: 30.0/35

In: 2329.663 $\pm$ 599.240 χ^2 /NDF:18.6/33

Out: 1124.292 $\pm$ 580.282 χ^2 /NDF:60.4/37

All: 1707.609 $\pm$ 416.862 χ^2 /NDF: 81.1/71

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2223.132 ± 0.629 $\chi^2/\text{NDF}: 850289.4/16$

Left Out: 2948.253 ± 0.561 $\chi^2/\text{NDF}: 773816.4/18$

Right Out: 2198.760 ± 0.601 $\chi^2/\text{NDF}: 602418.1/18$

Left In: 2947.854 ± 0.574 $\chi^2/\text{NDF}: 226587.0/16$

Left: 2948.058 ± 0.401 $\chi^2/\text{NDF}: 1000403.7/35$

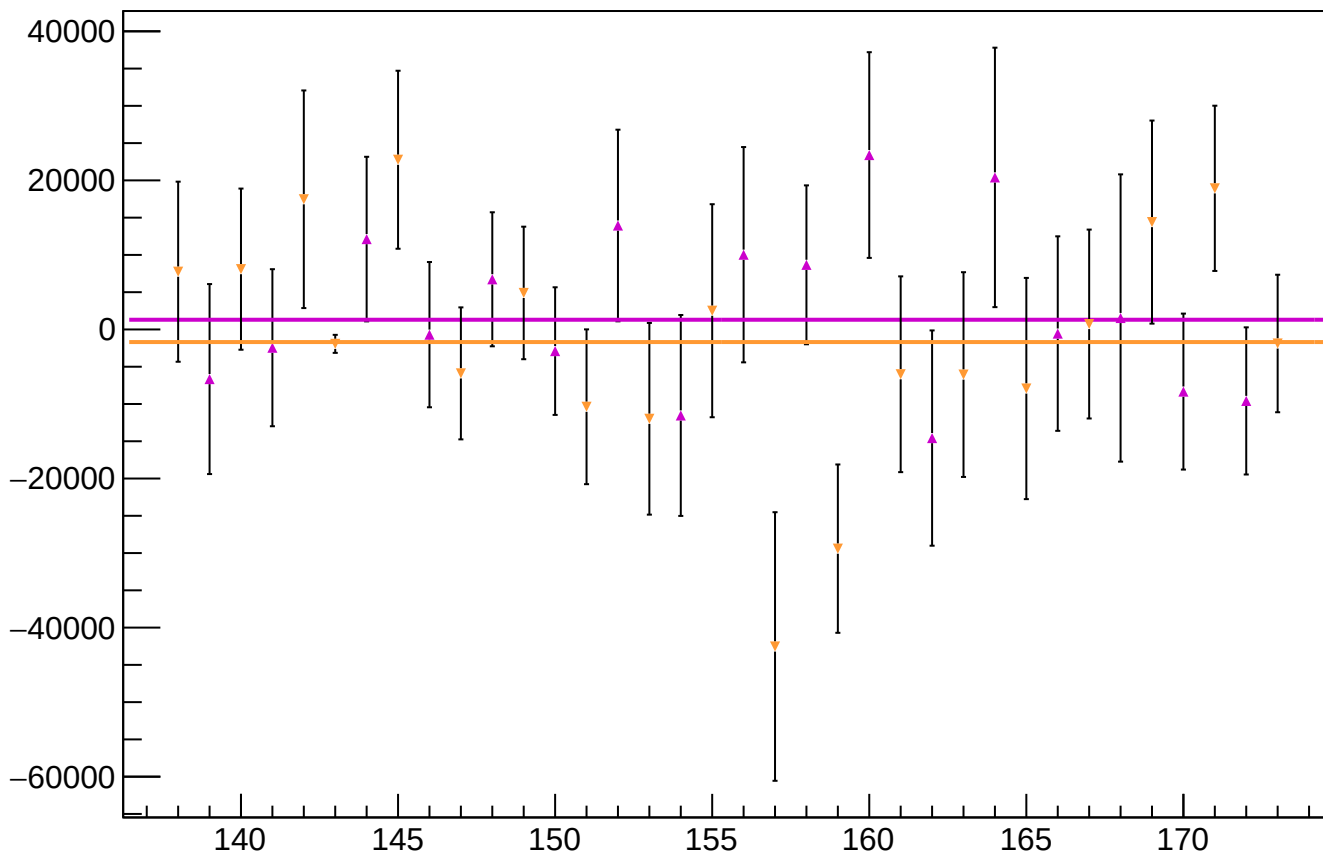
Right: 2210.398 ± 0.434 $\chi^2/\text{NDF}: 1453492.9/35$

In: 2618.577 ± 0.424 $\chi^2/\text{NDF}: 1802107.3/33$

Out: 2599.078 ± 0.410 $\chi^2/\text{NDF}: 2207028.9/37$

All: 2608.511 ± 0.295 $\chi^2/\text{NDF}: 4010229.3/71$

asym_atl2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1691.048+/-1107.476 χ^2/NDF :26.0/18

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

Left In: 1302.748+/-2812.958 χ^2/NDF :11.9/16

Left: -1289.275+/-1030.488 χ^2/NDF : 38.9/35

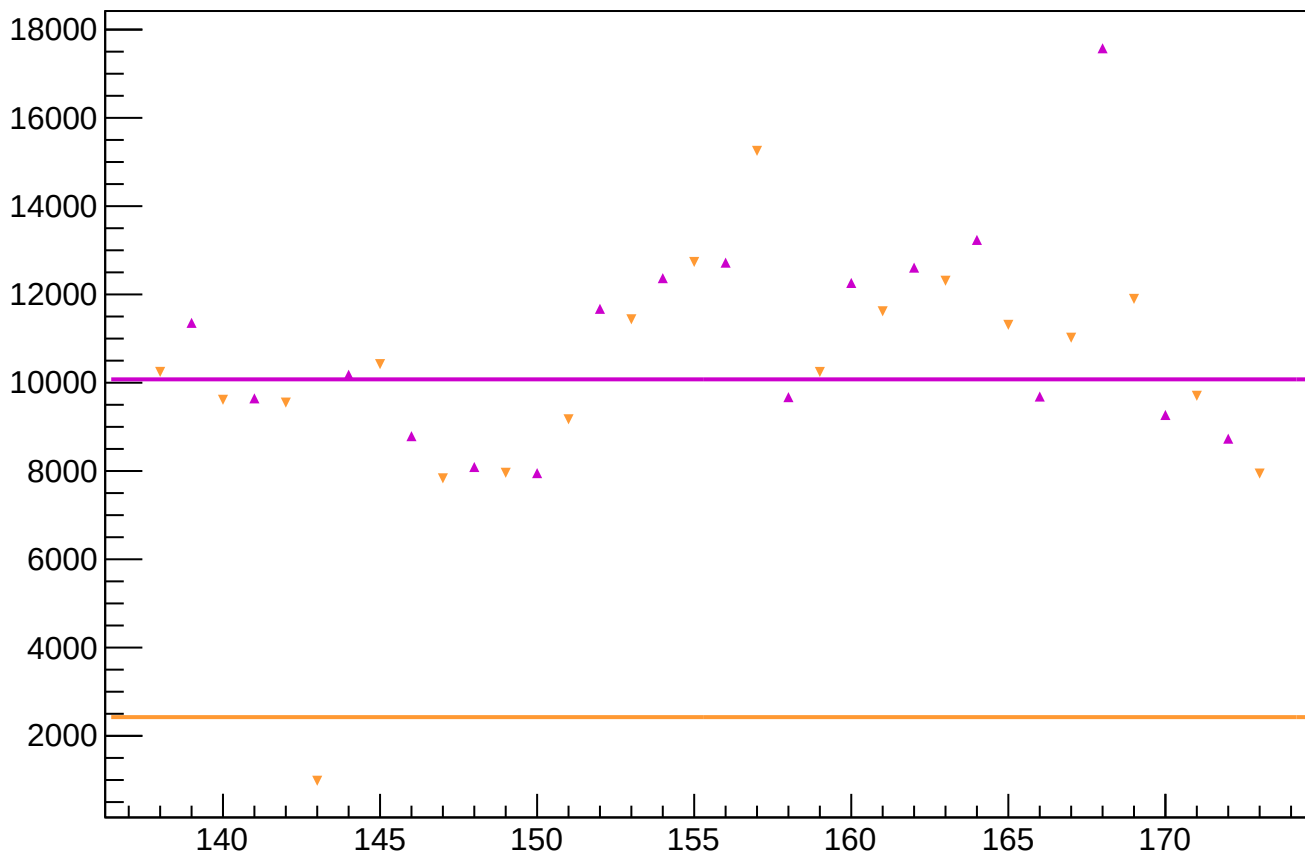
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1302.748+/-2812.958 χ^2/NDF :11.9/16

Out: -1691.048+/-1107.476 χ^2/NDF :26.0/18

All: -1289.275+/-1030.488 χ^2/NDF : 38.9/35

asym_atl2_correction_rms vs Slug, Sign Corrected



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

Left Out: 2424.361+/-0.783 χ^2/NDF :18502025.7/18

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

Left In: 10076.265+/-1.989 χ^2/NDF :969000.6/16

Left: 3451.262+/-0.729 χ^2/NDF : 32284269.9/35

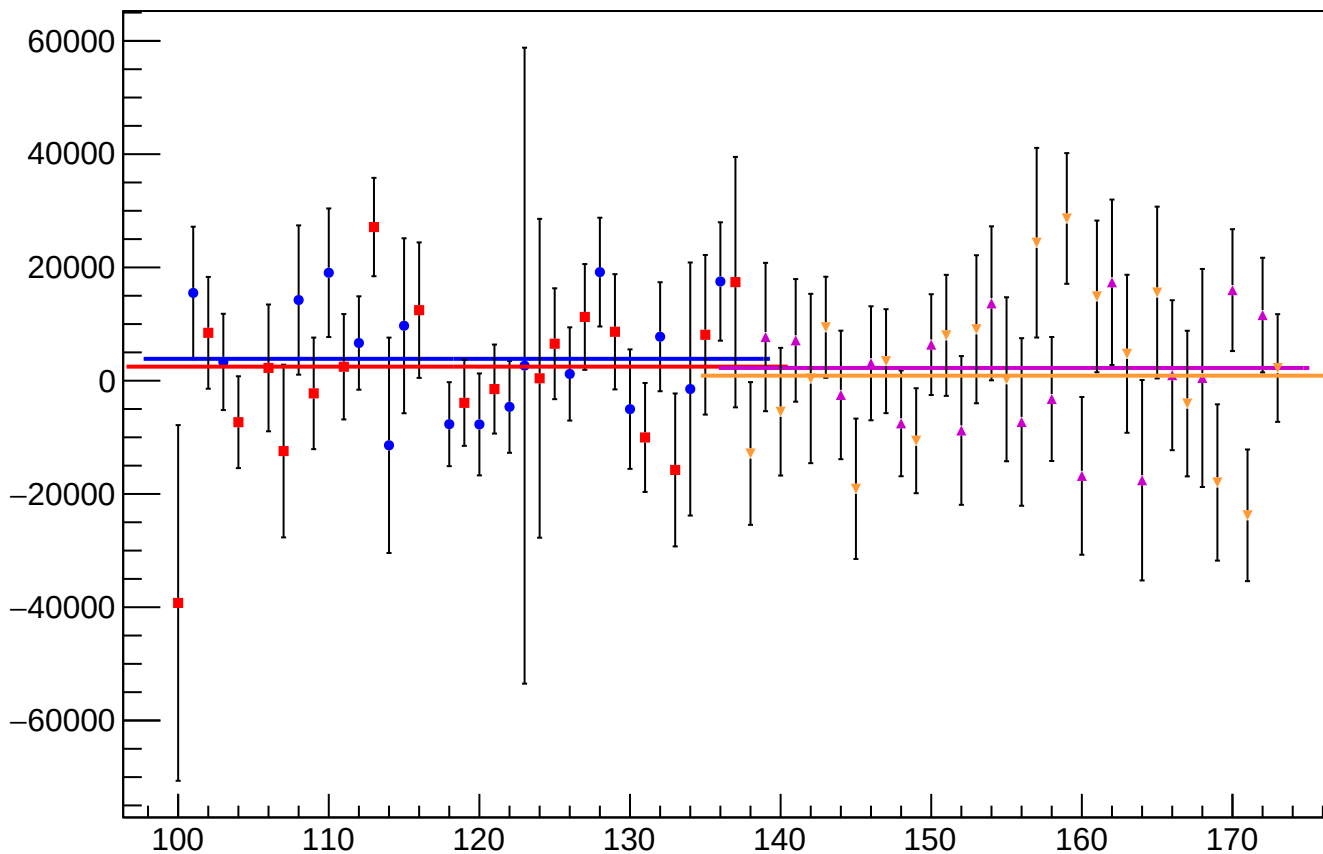
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 10076.265+/-1.989 χ^2/NDF :969000.6/16

Out: 2424.361+/-0.783 χ^2/NDF :18502025.7/18

All: 3451.262+/-0.729 χ^2/NDF : 32284269.9/35

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3859.866 $\pm$ 2508.782 χ^2 /NDF: 14.8/16

Left Out: 887.011 $\pm$ 2706.633 χ^2 /NDF:23.9/18

Right Out: 2482.925 $\pm$ 2421.310 χ^2 /NDF: 20.0/18

Left In: 2249.525 $\pm$ 2886.405 χ^2 /NDF:10.6/16

Left: 1524.519 $\pm$ 1974.375 χ^2 /NDF: 34.6/35

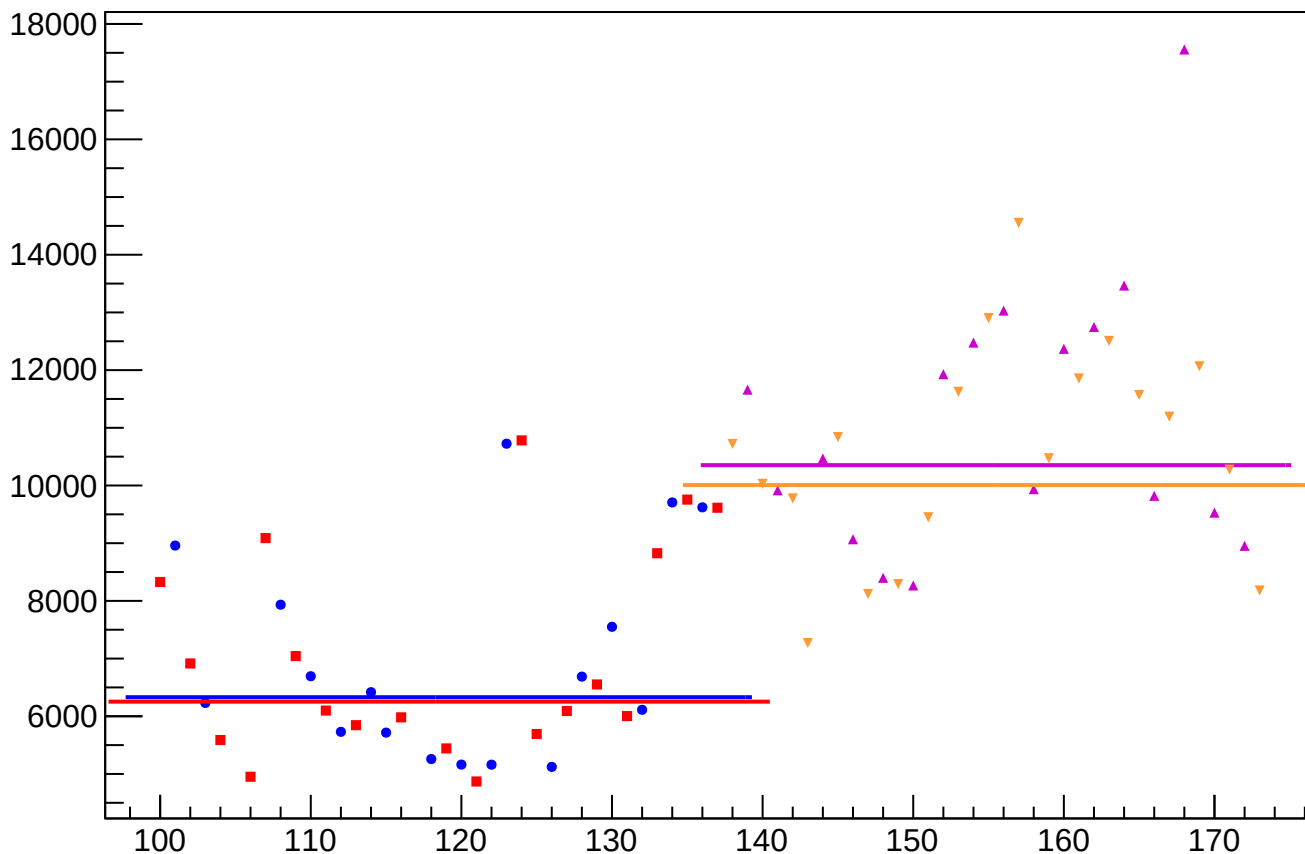
Right: 3146.972 $\pm$ 1742.228 χ^2 /NDF: 35.0/35

In: 3166.858 $\pm$ 1893.510 χ^2 /NDF:25.6/33

Out: 1773.492 $\pm$ 1804.597 χ^2 /NDF:44.1/37

All: 2436.694 $\pm$ 1306.345 χ^2 /NDF: 70.0/71

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6330.291+/-1.774 χ^2/NDF : 593395.6/16

Left Out: 10007.464+/-1.914 χ^2/NDF : 883896.0/18

Right Out: 6253.330+/-1.712 χ^2/NDF : 535355.5/18

Left In: 10352.937+/-2.041 χ^2/NDF : 890230.3/16

Left: 10169.108+/-1.396 χ^2/NDF : 1789371.8/35

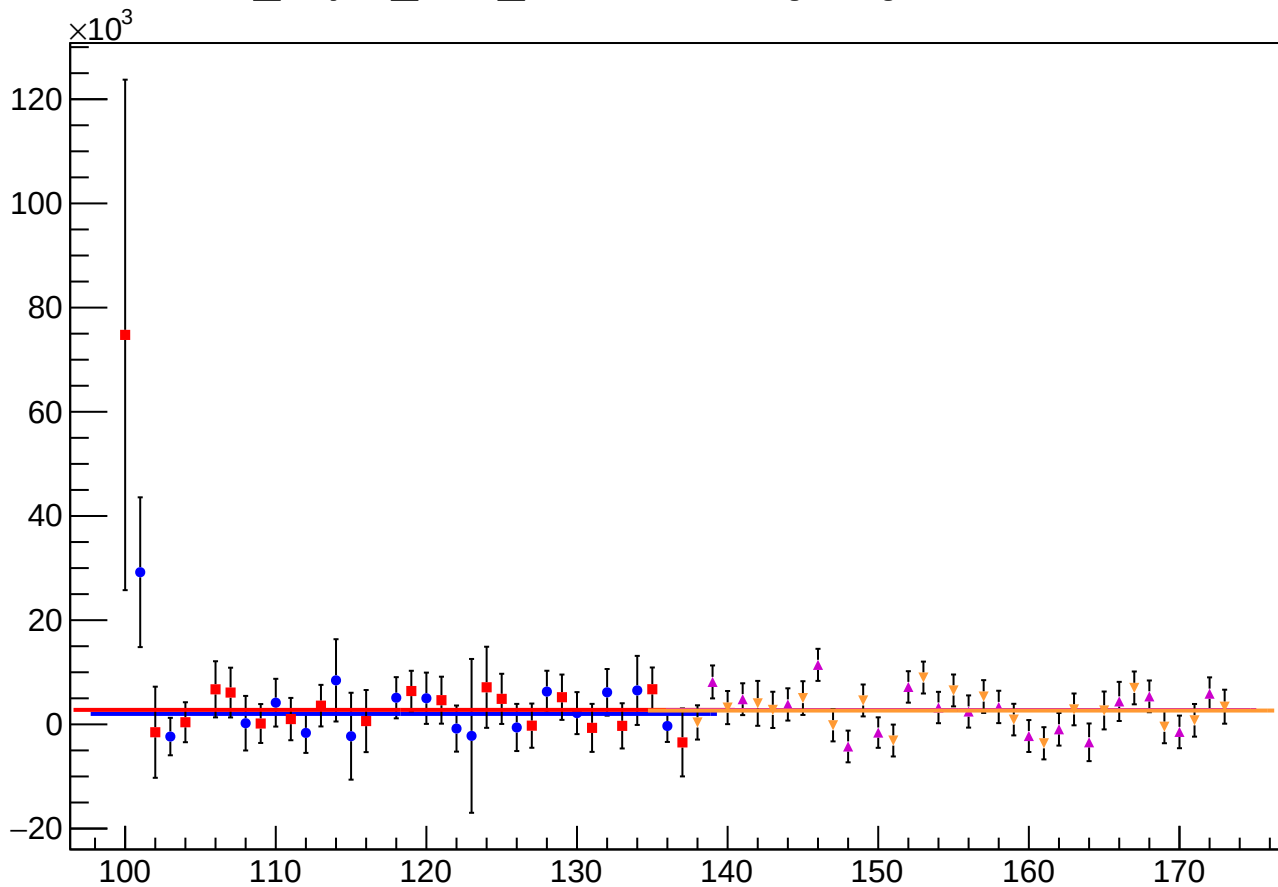
Right: 6290.444+/-1.232 χ^2/NDF : 1129725.5/35

In: 8061.422+/-1.339 χ^2/NDF : 3696464.8/33

Out: 7922.073+/-1.276 χ^2/NDF : 3556566.3/37

All: 7988.398+/-0.924 χ^2/NDF : 7258707.4/71

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2005.383 $\pm$ 1134.240 χ^2 /NDF: 12.1/16

Left Out: 2653.432 $\pm$ 735.588 χ^2 /NDF:20.3/18

Right Out: 2781.006 $\pm$ 1086.164 χ^2 /NDF: 9.9/18

Left In: 2758.038 $\pm$ 758.607 χ^2 /NDF:31.9/16

Left: 2704.124 $\pm$ 528.089 χ^2 /NDF: 52.1/35

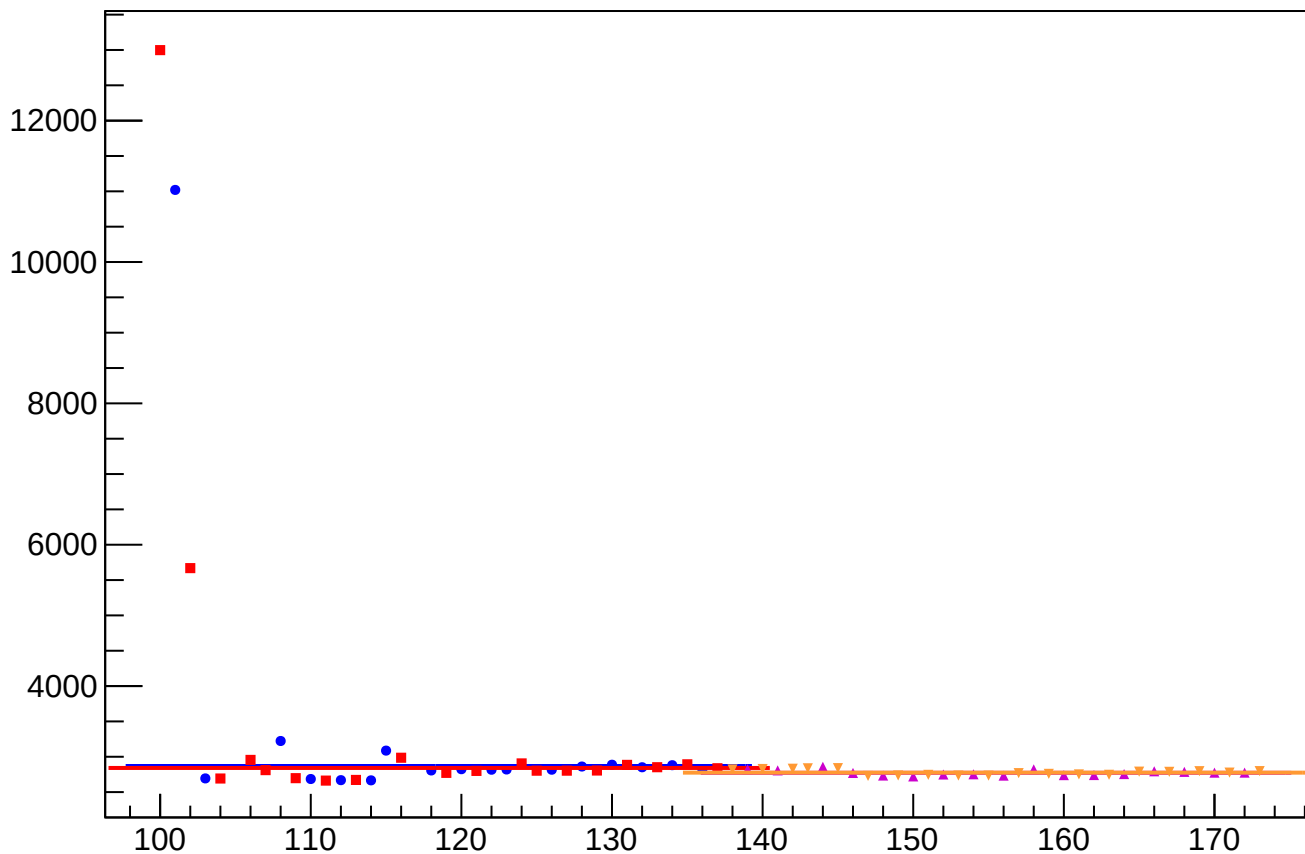
Right: 2409.980 $\pm$ 784.479 χ^2 /NDF: 22.2/35

In: 2525.414 $\pm$ 630.570 χ^2 /NDF:44.2/33

Out: 2693.545 $\pm$ 609.059 χ^2 /NDF:30.2/37

All: 2612.397 $\pm$ 438.077 χ^2 /NDF: 74.4/71

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2869.197+/-0.802 χ^2/NDF : 669900.5/16

Left Out: 2775.224+/-0.520 χ^2/NDF : 5023.7/18

Right Out: 2841.561+/-0.768 χ^2/NDF : 312523.0/18

Left In: 2772.091+/-0.536 χ^2/NDF : 4820.1/16

Left: 2773.706+/-0.373 χ^2/NDF : 9861.3/35

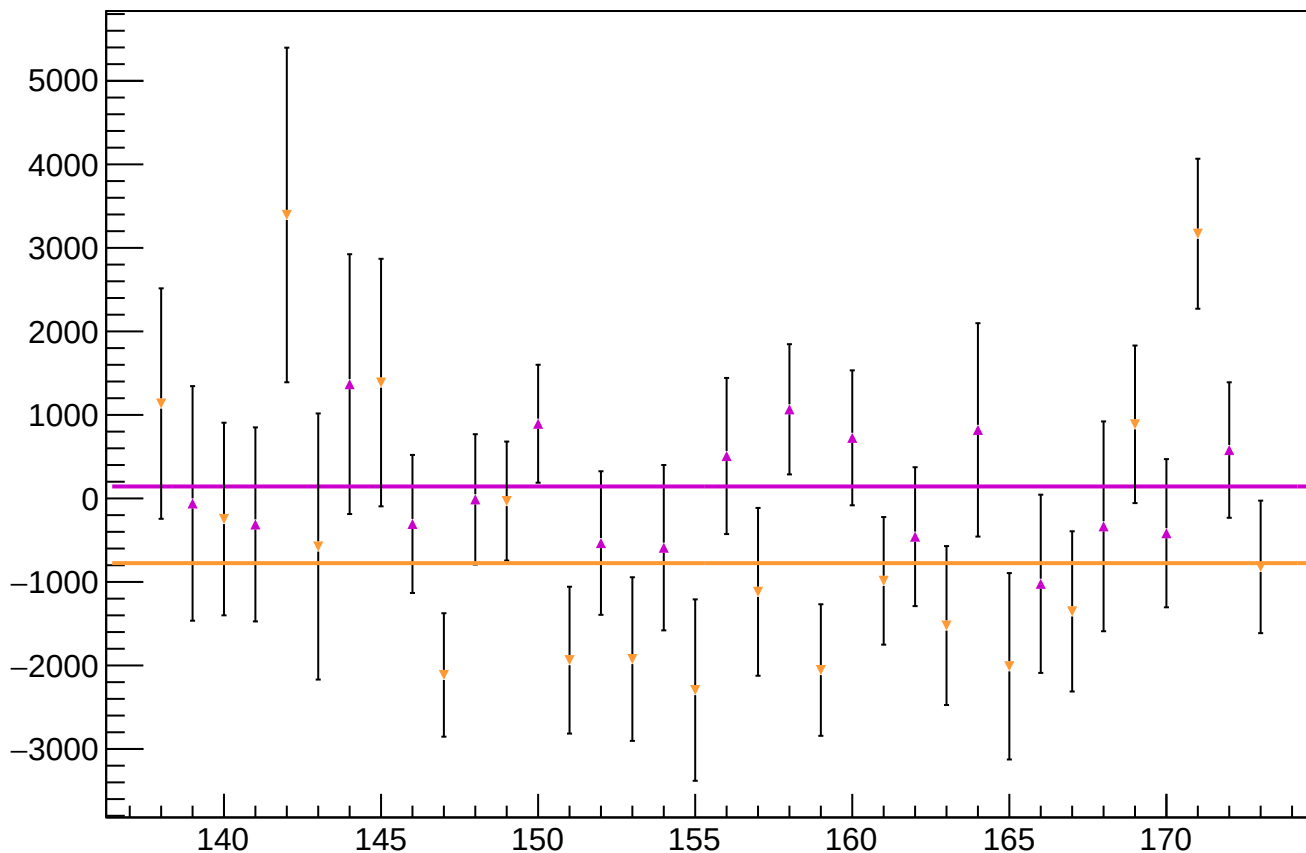
Right: 2854.781+/-0.555 χ^2/NDF : 983042.8/35

In: 2802.104+/-0.446 χ^2/NDF : 684849.0/33

Out: 2796.082+/-0.431 χ^2/NDF : 322661.1/37

All: 2798.989+/-0.310 χ^2/NDF : 1007604.4/71

asym_atr1_correction_mean vs Slug, Sign Corrected



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

Left Out: -774.702+/-220.210 χ^2/NDF :45.5/18

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

Left In: 143.276+/-224.553 χ^2/NDF :8.3/16

Left: -324.677+/-157.225 χ^2/NDF : 62.3/35

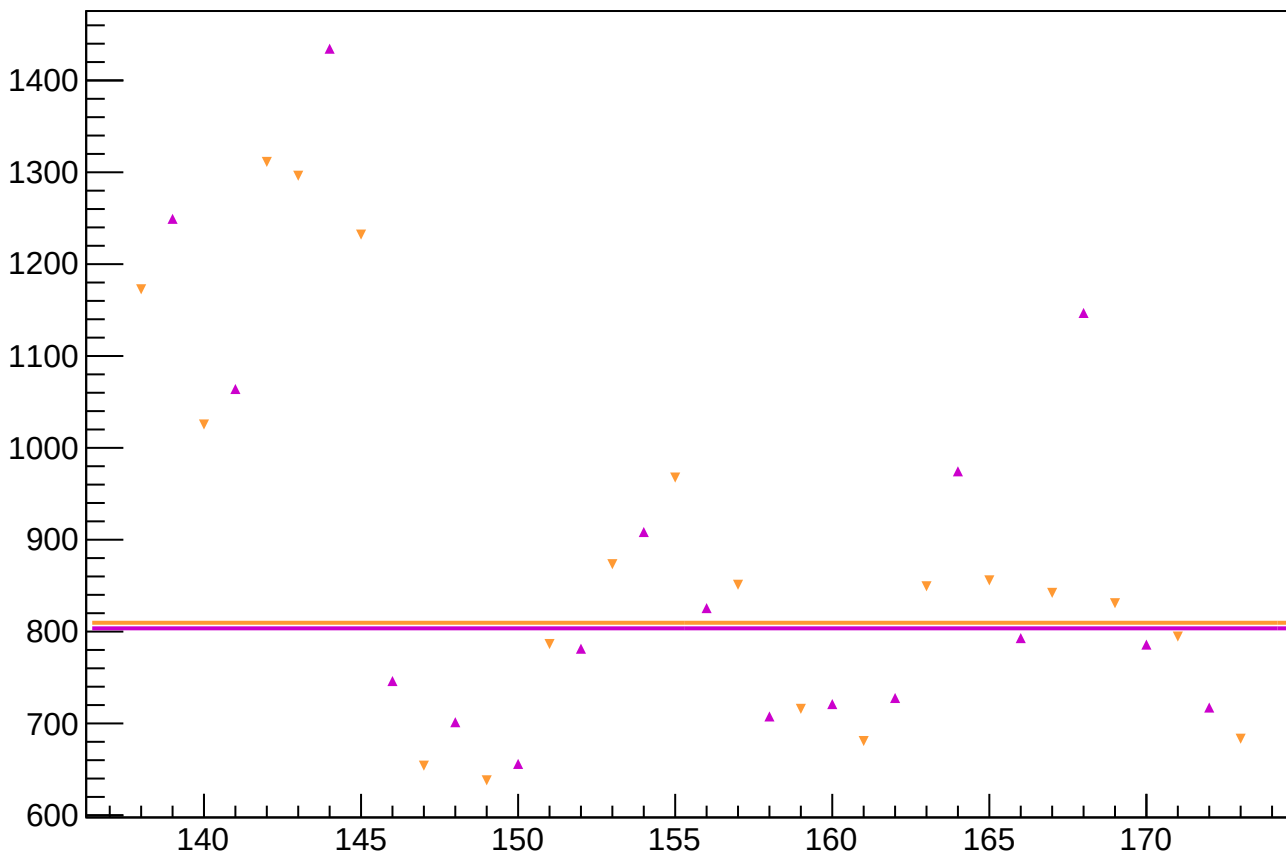
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 143.276+/-224.553 χ^2/NDF :8.3/16

Out: -774.702+/-220.210 χ^2/NDF :45.5/18

All: -324.677+/-157.225 χ^2/NDF : 62.3/35

asym_atr1_correction_rms vs Slug, Sign Corrected



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

Left Out: 809.594+/-0.156 χ^2/NDF :1089784.2/18

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

Left In: 803.520+/-0.159 χ^2/NDF :1064012.5/16

Left: 806.616+/-0.111 χ^2/NDF : 2154542.5/35

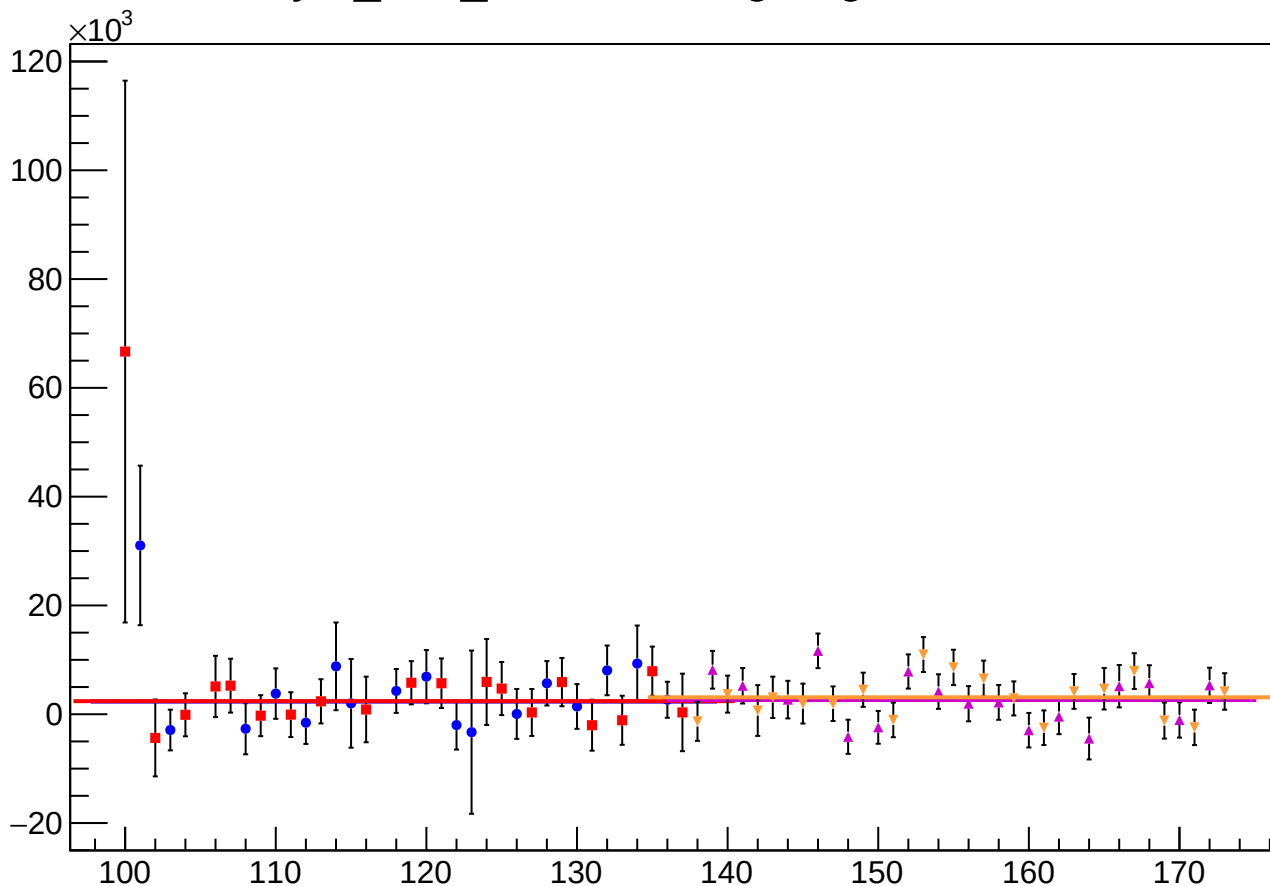
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 803.520+/-0.159 χ^2/NDF :1064012.5/16

Out: 809.594+/-0.156 χ^2/NDF :1089784.2/18

All: 806.616+/-0.111 χ^2/NDF : 2154542.5/35

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2330.134+/-1156.555 χ^2/NDF : 14.4/16

Left Out: 3107.304+/-773.749 χ^2/NDF : 24.1/18

Right Out: 2403.750+/-1110.093 χ^2/NDF : 10.1/18

Left In: 2610.643+/-796.674 χ^2/NDF : 32.4/16

Left: 2866.222+/-555.051 χ^2/NDF : 56.7/35

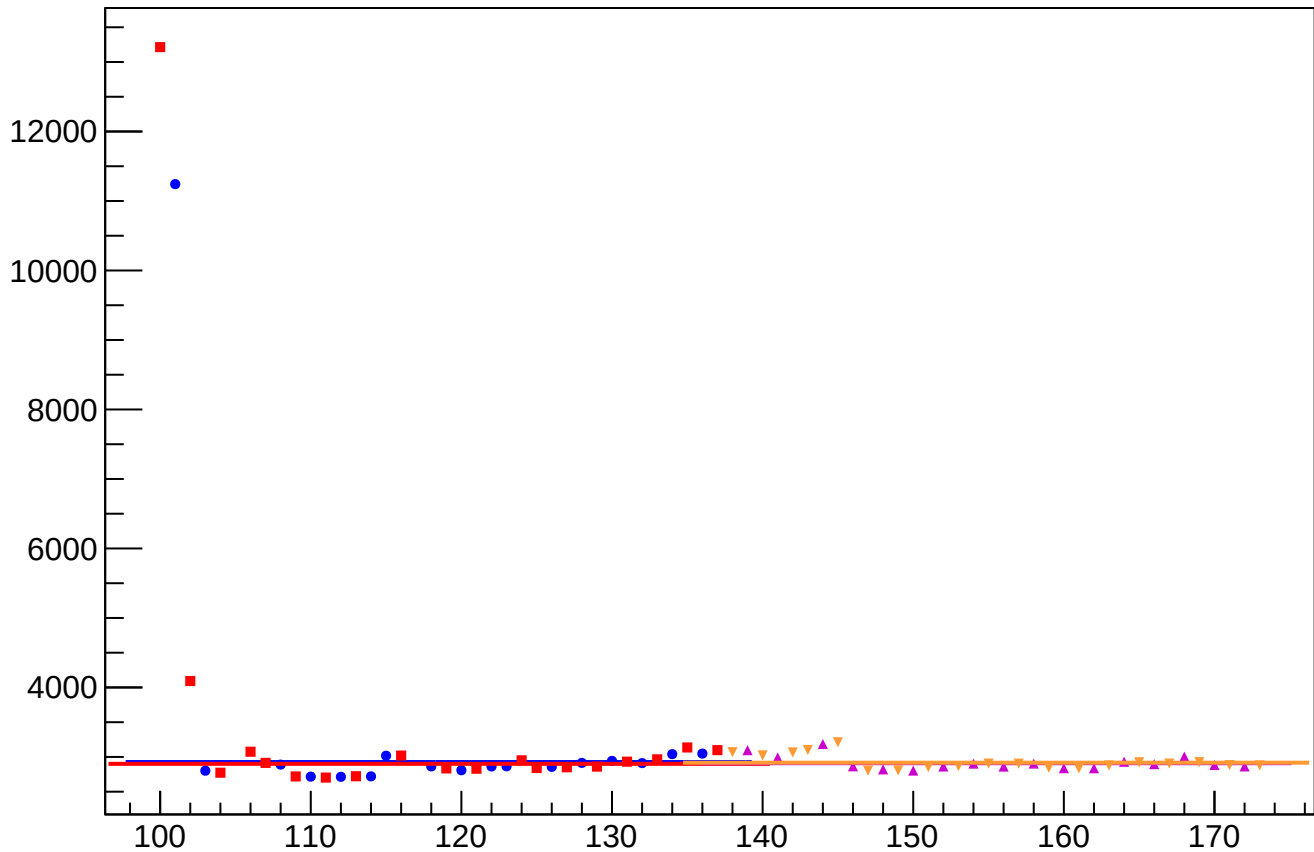
Right: 2368.450+/-800.876 χ^2/NDF : 24.5/35

In: 2520.375+/-656.084 χ^2/NDF : 46.8/33

Out: 2877.260+/-634.769 χ^2/NDF : 34.4/37

All: 2704.709+/-456.199 χ^2/NDF : 81.4/71

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2926.610+/-0.818 χ^2/NDF : 662794.4/16

Left Out: 2917.374+/-0.547 χ^2/NDF : 34509.6/18

Right Out: 2900.827+/-0.785 χ^2/NDF : 169866.6/18

Left In: 2909.762+/-0.563 χ^2/NDF : 29654.1/16

Left: 2913.679+/-0.392 χ^2/NDF : 64257.7/35

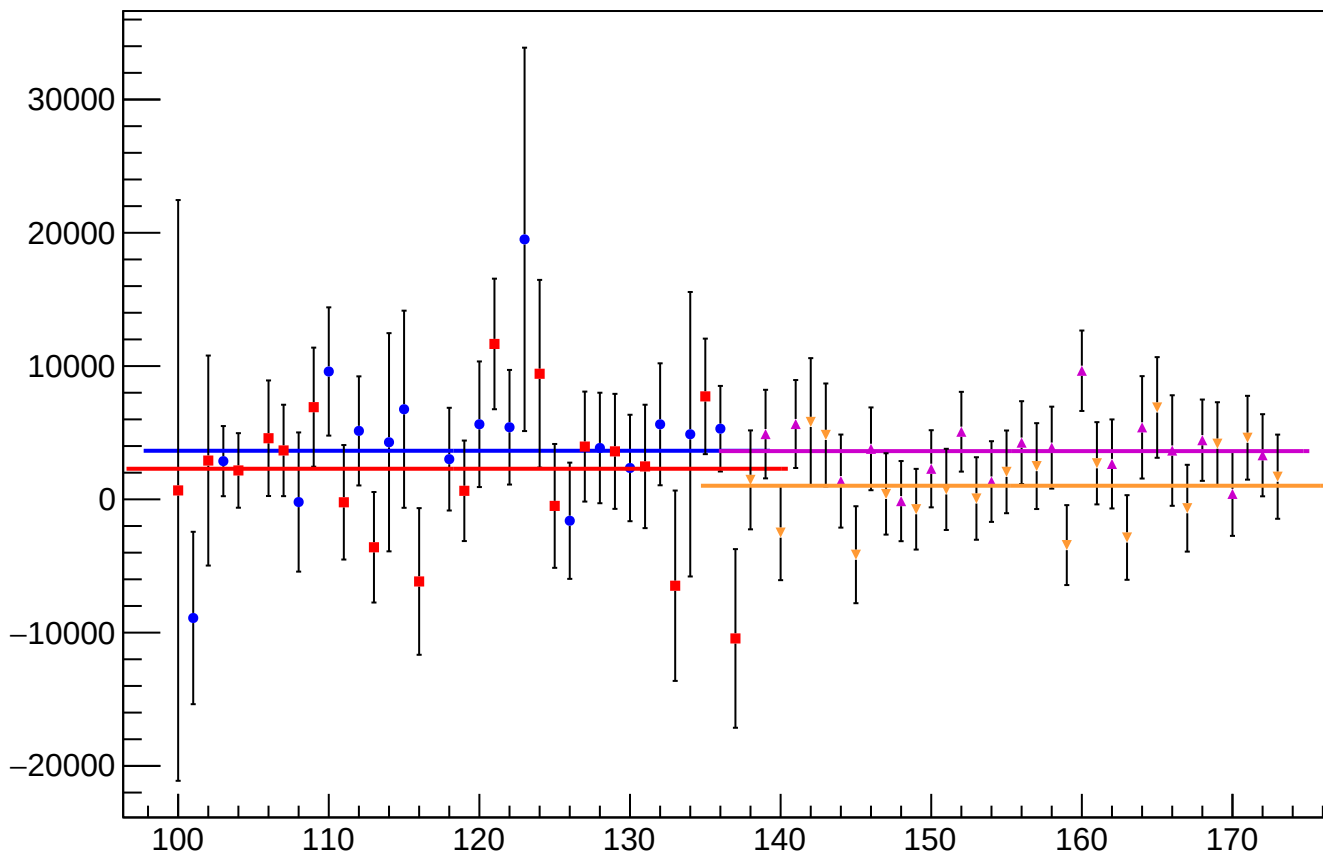
Right: 2913.190+/-0.566 χ^2/NDF : 833178.3/35

In: 2915.184+/-0.464 χ^2/NDF : 692736.3/33

Out: 2911.964+/-0.449 χ^2/NDF : 204675.3/37

All: 2913.521+/-0.323 χ^2/NDF : 897436.5/71

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3645.268 $\pm$ 1091.486 χ^2/NDF : 9.9/16

Left Out: 1021.434 $\pm$ 755.742 χ^2/NDF :14.9/18

Right Out: 2295.846 $\pm$ 1046.865 χ^2/NDF : 18.4/18

Left In: 3619.702 $\pm$ 774.479 χ^2/NDF :9.0/16

Left: 2288.758 $\pm$ 540.893 χ^2/NDF : 29.6/35

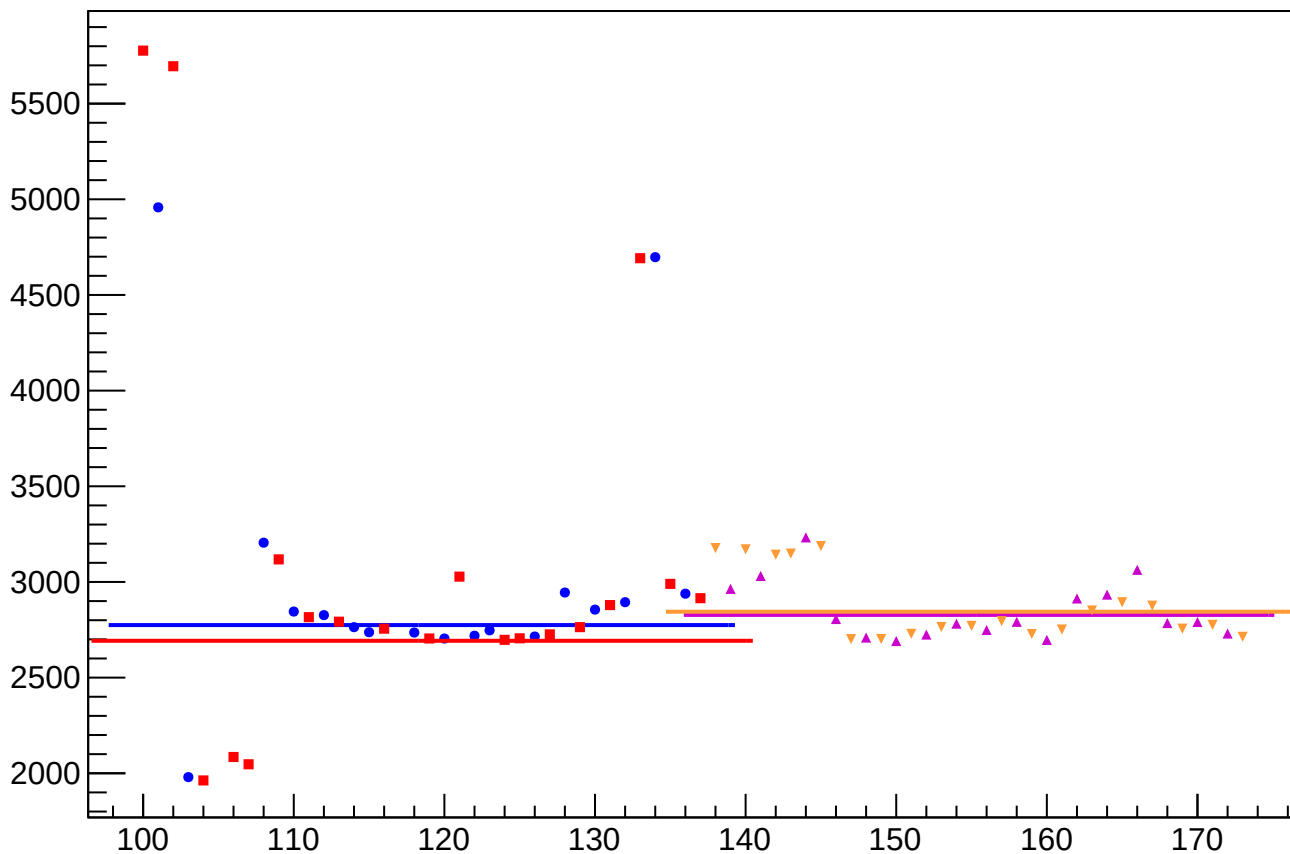
Right: 2942.410 $\pm$ 755.528 χ^2/NDF : 29.1/35

In: 3628.264 $\pm$ 631.627 χ^2/NDF :18.8/33

Out: 1458.053 $\pm$ 612.755 χ^2/NDF :34.3/37

All: 2510.253 $\pm$ 439.804 χ^2/NDF : 59.2/71

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2774.617 $\pm$ 0.772 χ^2 /NDF: 501680.3/16

Left Out: 2844.454 $\pm$ 0.534 χ^2 /NDF: 96804.6/18

Right Out: 2692.509 $\pm$ 0.740 χ^2 /NDF: 780267.3/18

Left In: 2827.705 $\pm$ 0.548 χ^2 /NDF: 65666.7/16

Left: 2836.284 $\pm$ 0.382 χ^2 /NDF: 162950.4/35

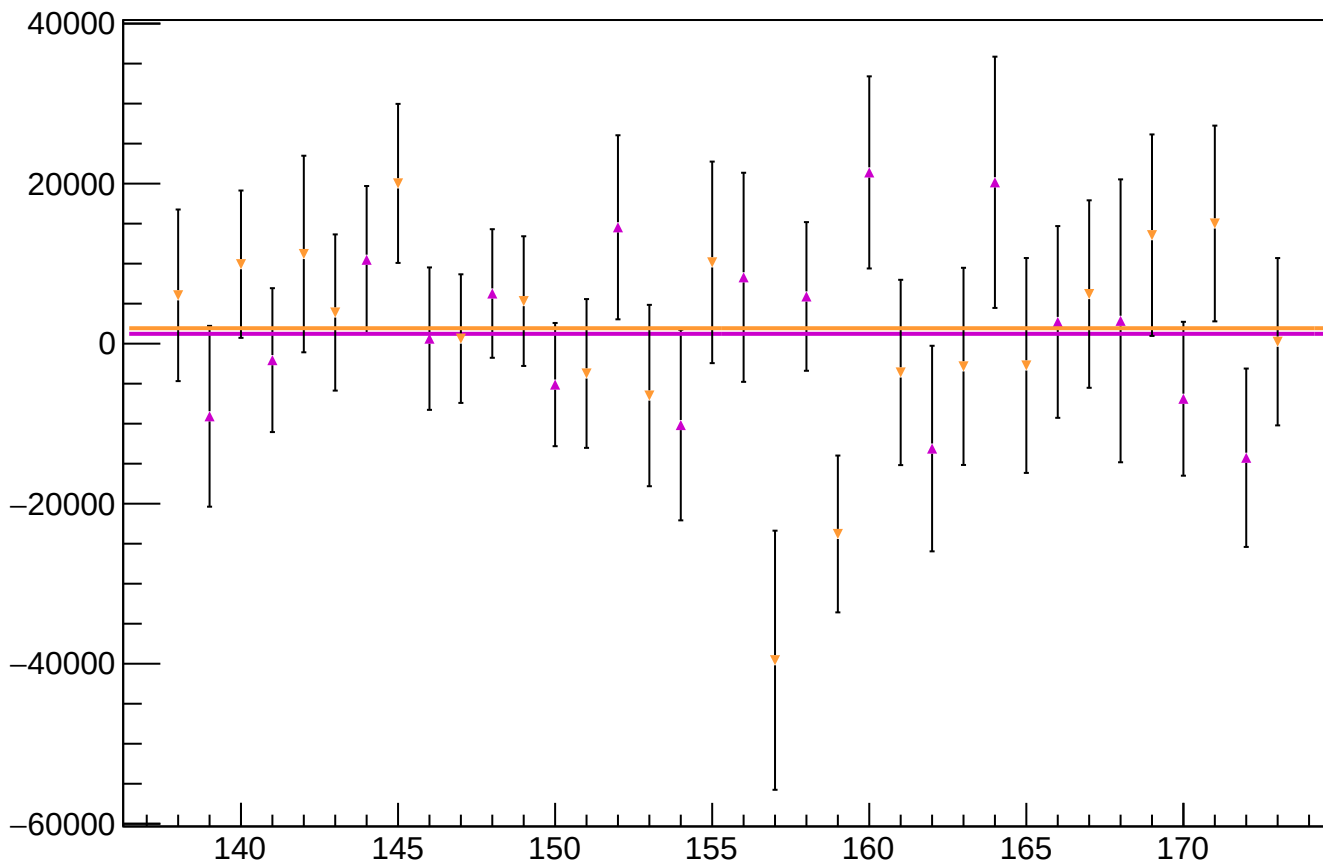
Right: 2731.837 $\pm$ 0.534 χ^2 /NDF: 1287844.4/35

In: 2809.927 $\pm$ 0.447 χ^2 /NDF: 570493.8/33

Out: 2792.375 $\pm$ 0.433 χ^2 /NDF: 904781.6/37

All: 2800.884 $\pm$ 0.311 χ^2 /NDF: 1476071.1/71

asym_atr2_correction_mean vs Slug, Sign Corrected



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

Left Out: 1928.870+/-2444.444 χ^2/NDF :22.5/18

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

Left In: 1227.811+/-2539.273 χ^2/NDF :14.0/16

Left: 1591.675+/-1761.053 χ^2/NDF : 36.6/35

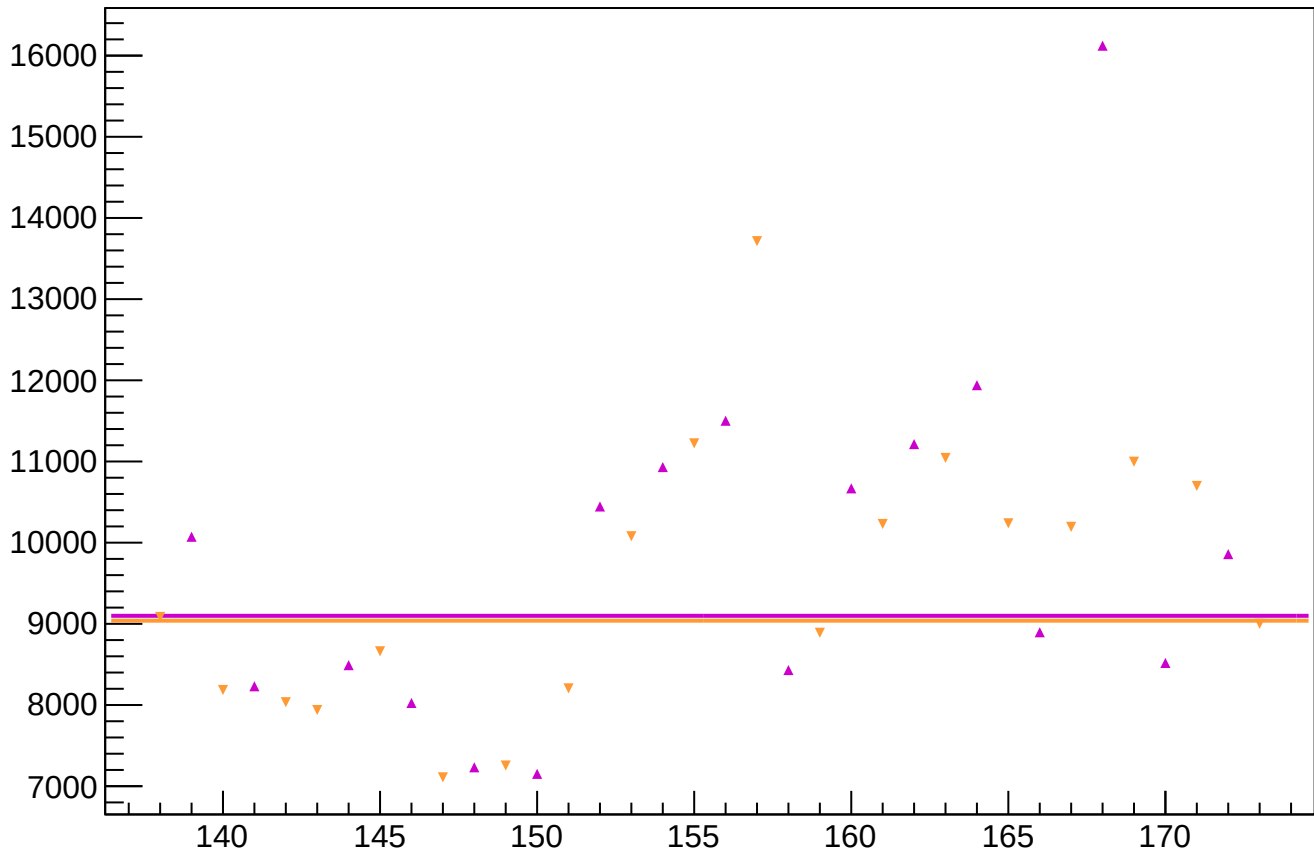
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1227.811+/-2539.273 χ^2/NDF :14.0/16

Out: 1928.870+/-2444.444 χ^2/NDF :22.5/18

All: 1591.675+/-1761.053 χ^2/NDF : 36.6/35

asym_atr2_correction_rms vs Slug, Sign Corrected



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

Left Out: 9039.072+/-1.728 χ^2/NDF :726339.5/18

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

Left In: 9098.970+/-1.796 χ^2/NDF :946576.7/16

Left: 9067.882+/-1.245 χ^2/NDF : 1673493.8/35

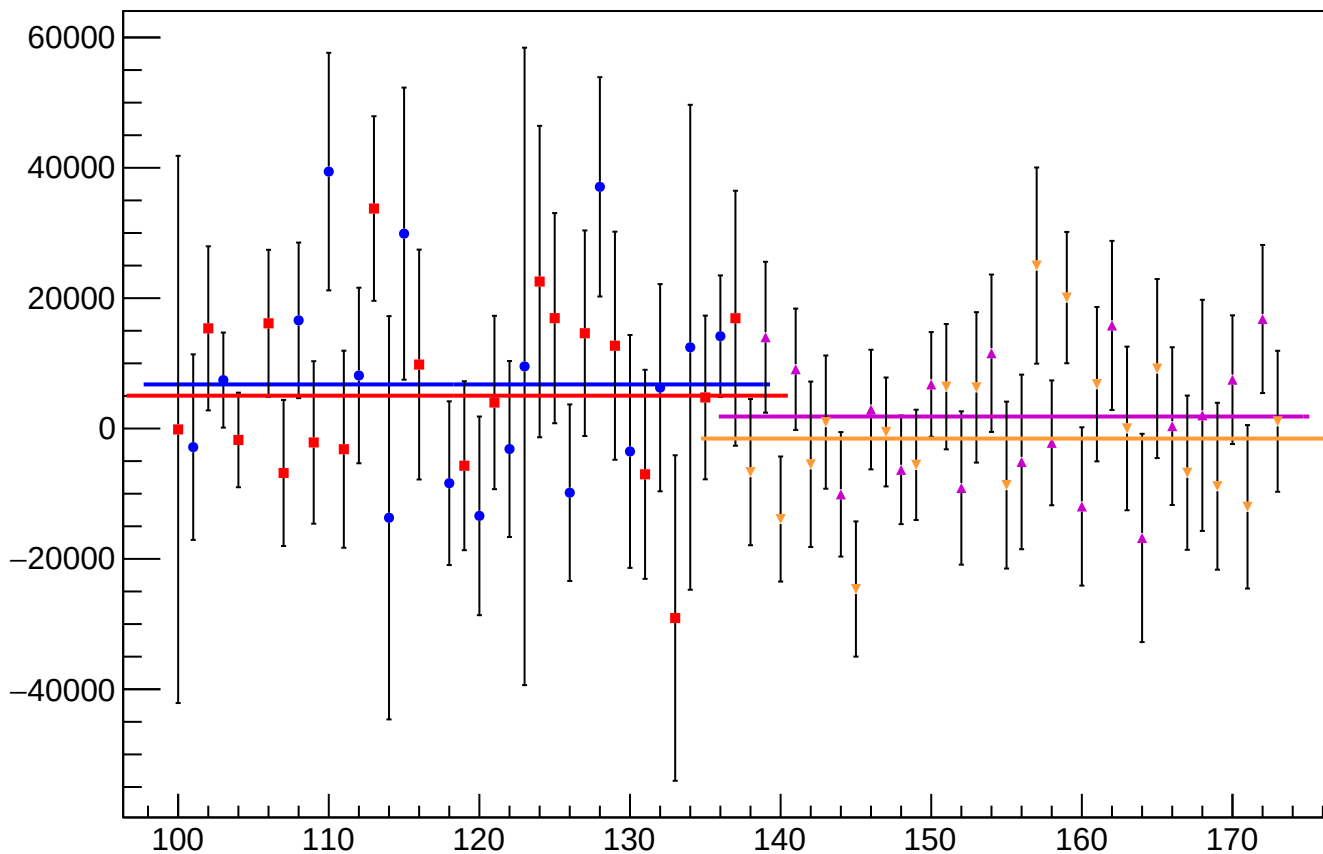
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 9098.970+/-1.796 χ^2/NDF :946576.7/16

Out: 9039.072+/-1.728 χ^2/NDF :726339.5/18

All: 9067.882+/-1.245 χ^2/NDF : 1673493.8/35

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6767.402 $\pm$ 3387.139 χ^2/NDF : 15.3/16

Left Out: -1537.284 $\pm$ 2517.287 χ^2/NDF : 18.8/18

Right Out: 5041.440 $\pm$ 3167.616 χ^2/NDF : 13.6/18

Left In: 1843.008 $\pm$ 2608.347 χ^2/NDF : 12.5/16

Left: 92.828 $\pm$ 1811.327 χ^2/NDF : 32.1/35

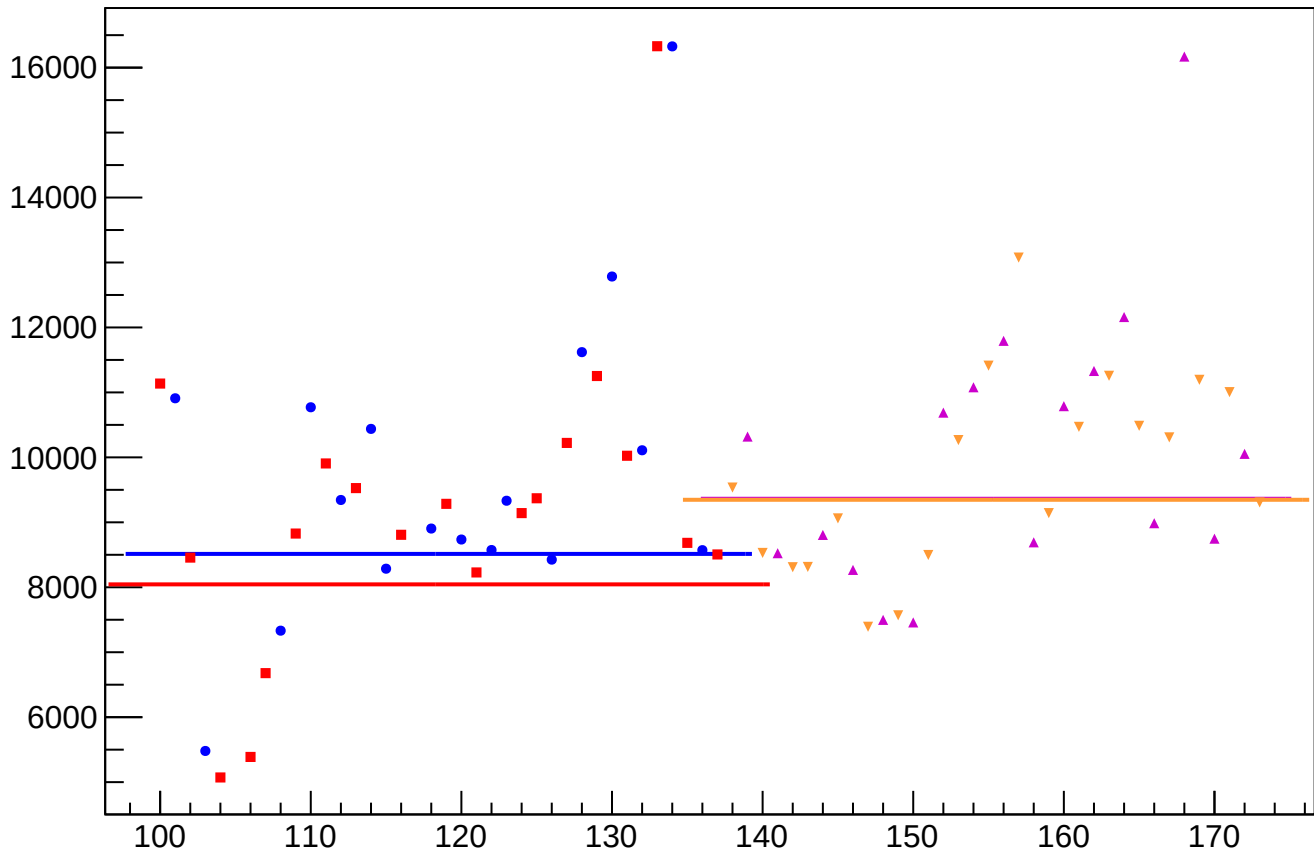
Right: 5846.682 $\pm$ 2313.559 χ^2/NDF : 29.1/35

In: 3676.158 $\pm$ 2066.596 χ^2/NDF : 29.2/33

Out: 1009.221 $\pm$ 1970.761 χ^2/NDF : 35.0/37

All: 2279.419 $\pm$ 1426.215 χ^2/NDF : 65.1/71

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8513.665+/-2.395 χ^2/NDF : 762614.5/16

Left Out: 9346.880+/-1.780 χ^2/NDF : 620023.6/18

Right Out: 8044.739+/-2.240 χ^2/NDF : 952310.5/18

Left In: 9362.648+/-1.844 χ^2/NDF : 866134.6/16

Left: 9354.484+/-1.281 χ^2/NDF : 1486196.0/35

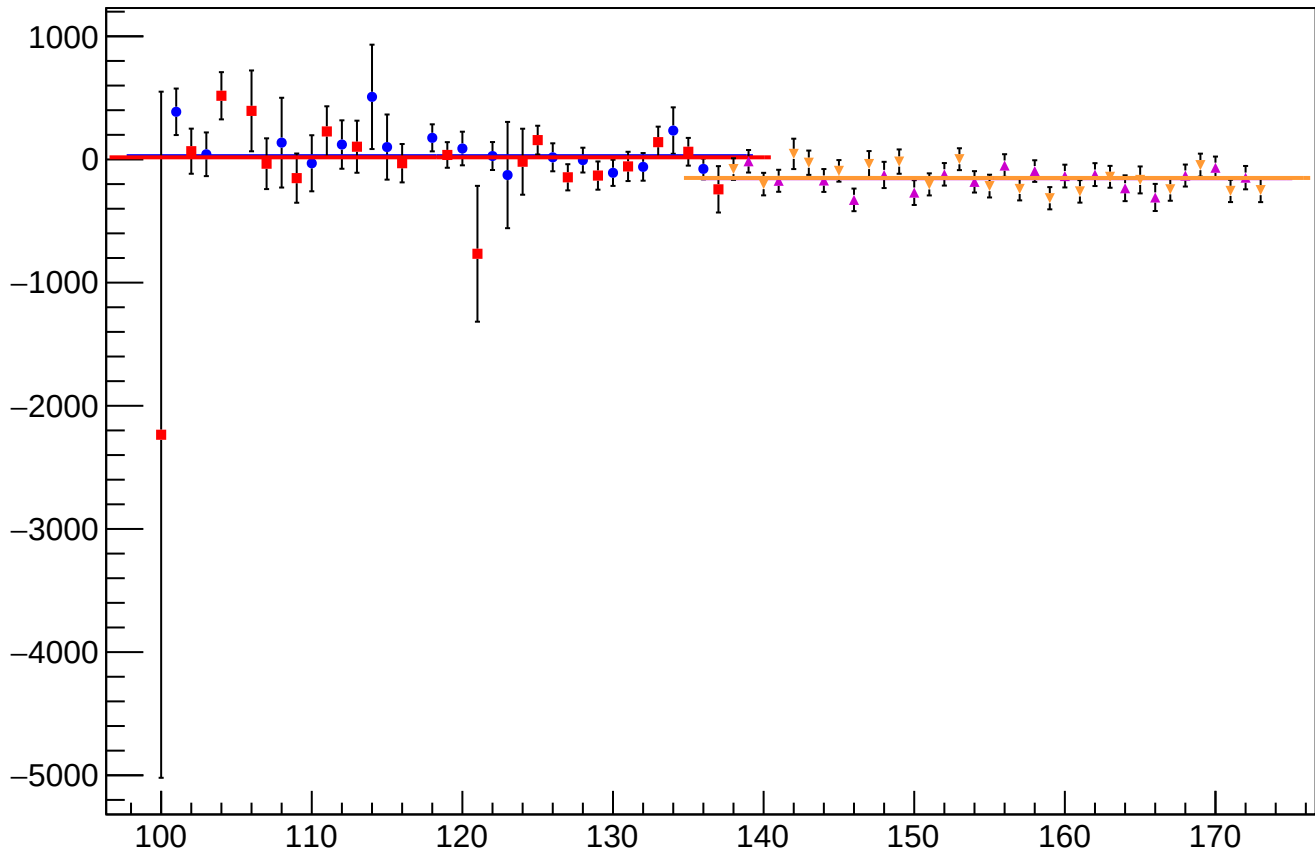
Right: 8263.507+/-1.636 χ^2/NDF : 1735374.5/35

In: 9046.606+/-1.461 χ^2/NDF : 1707624.4/33

Out: 8842.823+/-1.394 χ^2/NDF : 1779492.7/37

All: 8939.879+/-1.008 χ^2/NDF : 3497302.2/71

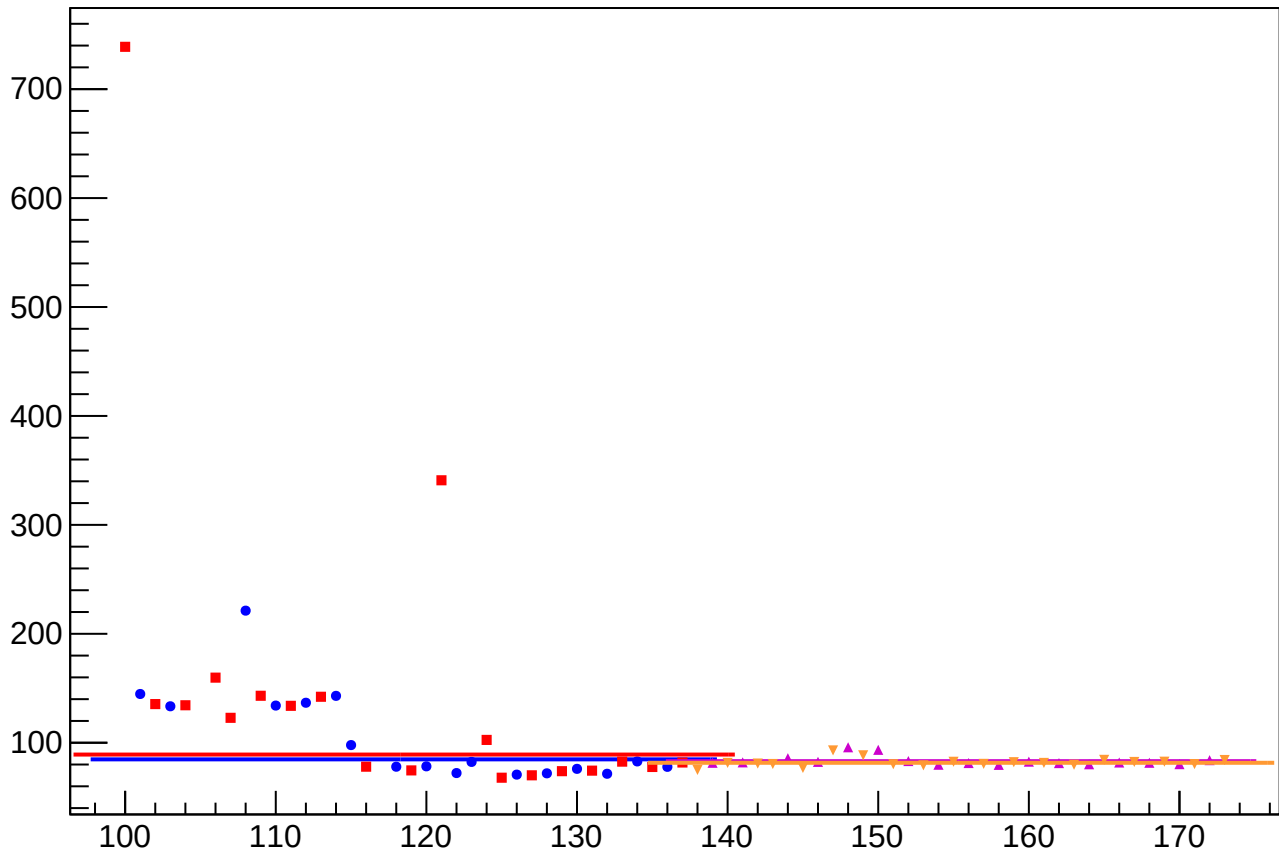
dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 26.932 ± 34.029 $\chi^2/\text{NDF}: 12.6/16$
 Left Out: -150.113 ± 21.644 $\chi^2/\text{NDF}: 22.5/18$
 Right Out: 17.368 ± 35.548 $\chi^2/\text{NDF}: 21.9/18$
 Left In: -152.257 ± 22.755 $\chi^2/\text{NDF}: 13.1/16$

Left: -151.132 ± 15.683 $\chi^2/\text{NDF}: 35.6/35$
 Right: 22.359 ± 24.581 $\chi^2/\text{NDF}: 34.5/35$
 In: -96.888 ± 18.916 $\chi^2/\text{NDF}: 44.8/33$
 Out: -104.816 ± 18.487 $\chi^2/\text{NDF}: 60.6/37$
 All: -100.943 ± 13.221 $\chi^2/\text{NDF}: 105.5/71$

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 84.737+/-0.024 χ^2/NDF : 1064420.0/16

Left Out: 81.591+/-0.015 χ^2/NDF : 56779.7/18

Right Out: 89.143+/-0.025 χ^2/NDF : 1559269.8/18

Left In: 83.076+/-0.016 χ^2/NDF : 64304.6/16

Left: 82.297+/-0.011 χ^2/NDF : 125557.9/35

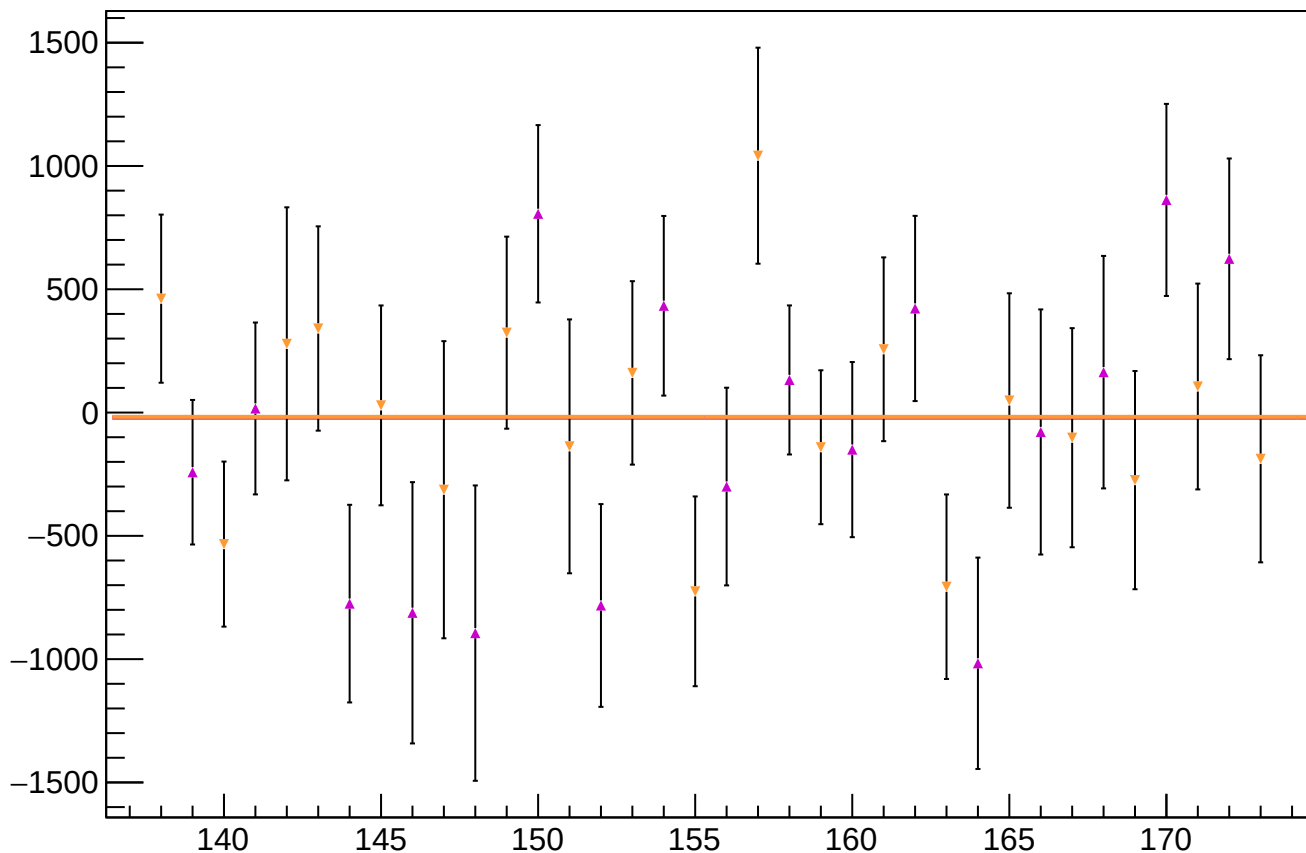
Right: 86.844+/-0.017 χ^2/NDF : 2639723.0/35

In: 83.590+/-0.013 χ^2/NDF : 1132015.6/33

Out: 83.634+/-0.013 χ^2/NDF : 1681900.7/37

All: 83.612+/-0.009 χ^2/NDF : 2813921.8/71

asym_sam1_correction_mean vs Slug, Sign Corrected



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

Left Out: -17.306+/-92.649 χ^2/NDF :20.7/18

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

Left In: -20.508+/-94.307 χ^2/NDF :34.2/16

Left: -18.879+/-66.091 χ^2/NDF : 54.9/35

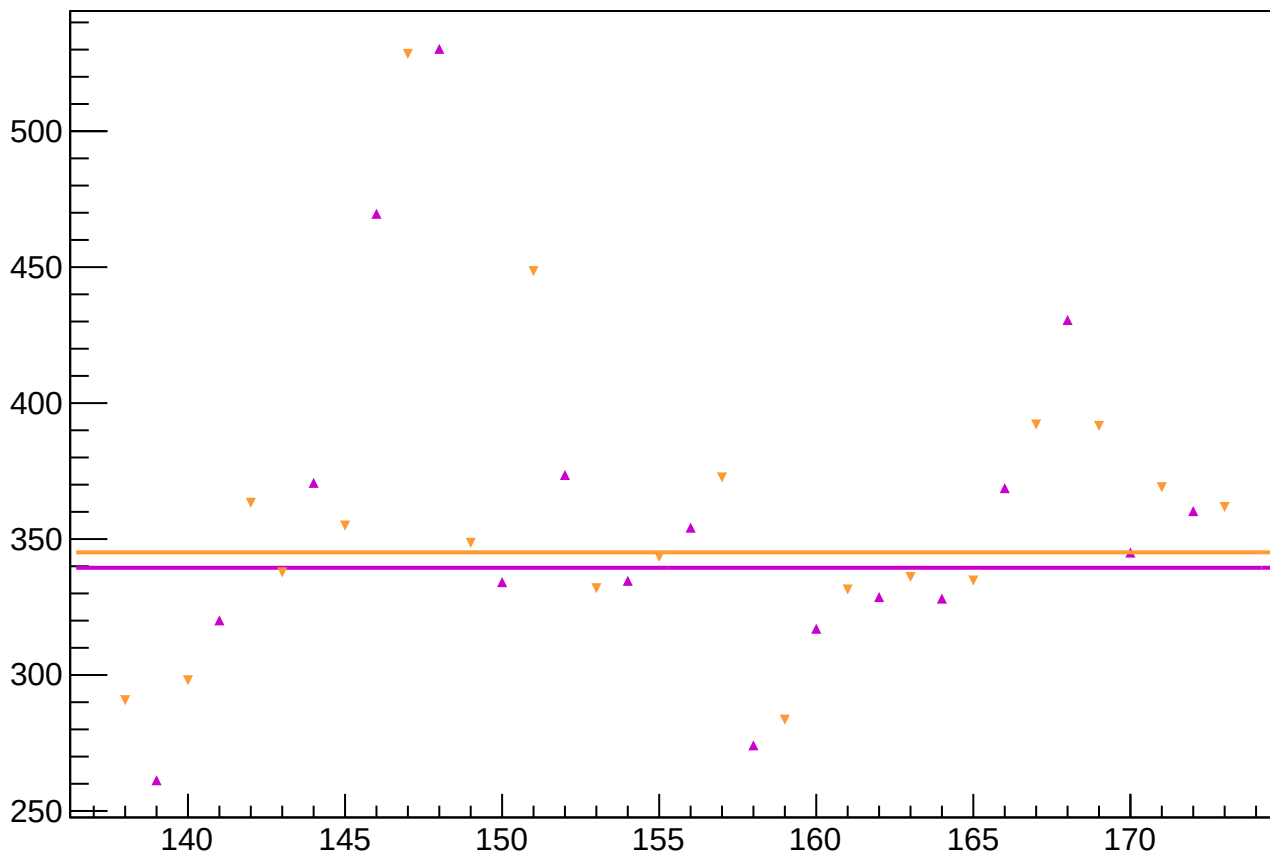
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -20.508+/-94.307 χ^2/NDF :34.2/16

Out: -17.306+/-92.649 χ^2/NDF :20.7/18

All: -18.879+/-66.091 χ^2/NDF : 54.9/35

asym_sam1_correction_rms vs Slug, Sign Corrected



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

Left Out: 345.118+/-0.066 χ^2/NDF :507820.8/18

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

Left In: 339.442+/-0.067 χ^2/NDF :693210.5/16

Left: 342.331+/-0.047 χ^2/NDF : 1204717.9/35

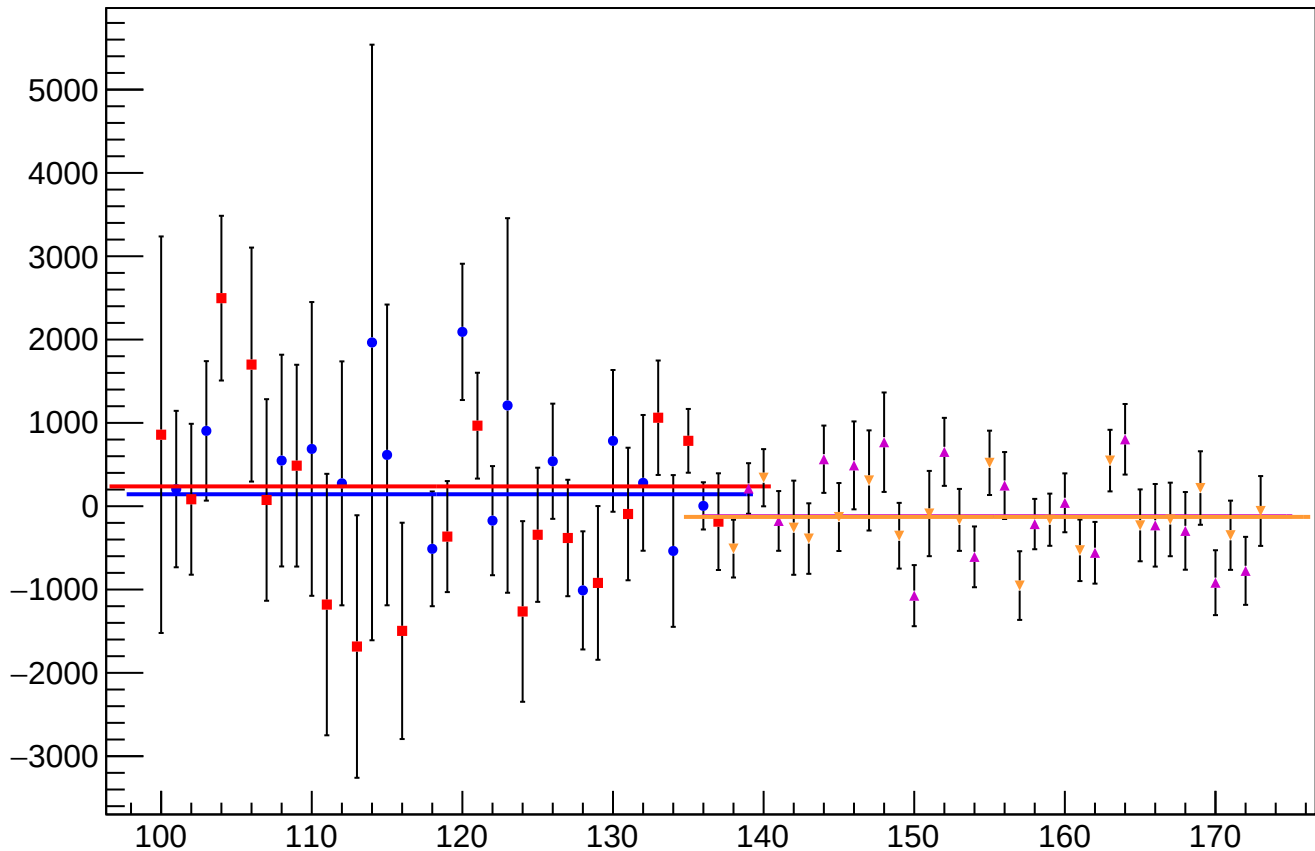
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 339.442+/-0.067 χ^2/NDF :693210.5/16

Out: 345.118+/-0.066 χ^2/NDF :507820.8/18

All: 342.331+/-0.047 χ^2/NDF : 1204717.9/35

asym_sam1_mean vs Slug, Sign Corrected



Right In: 143.486 $\pm$ 179.237 χ^2/NDF : 12.8/16

Left Out: -128.368 $\pm$ 92.705 χ^2/NDF :16.7/18

Right Out: 237.821 $\pm$ 183.995 χ^2/NDF : 21.7/18

Left In: -120.238 $\pm$ 94.740 χ^2/NDF :34.0/16

Left: -124.391 $\pm$ 66.260 χ^2/NDF : 50.8/35

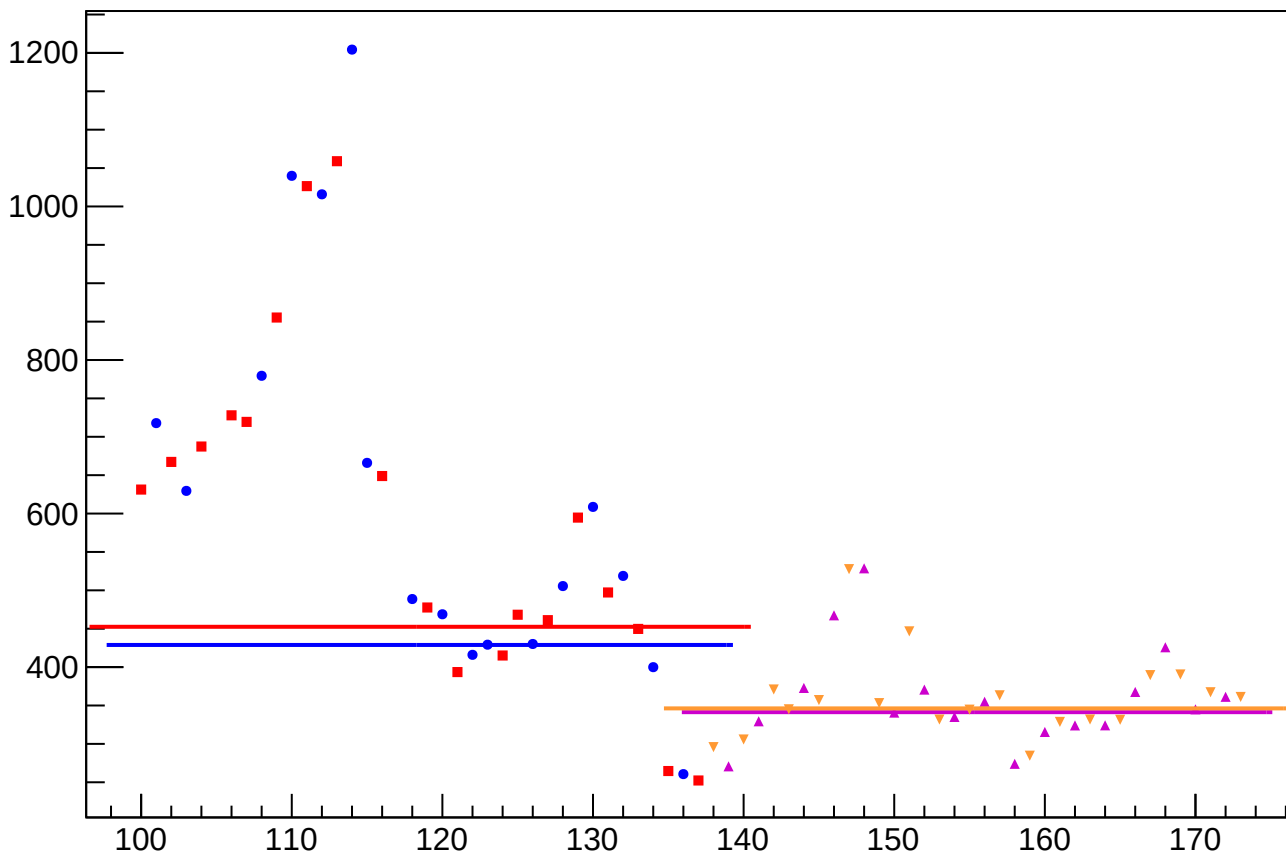
Right: 189.418 $\pm$ 128.389 χ^2/NDF : 34.6/35

In: -62.646 $\pm$ 83.759 χ^2/NDF :48.5/33

Out: -54.229 $\pm$ 82.790 χ^2/NDF :41.6/37

All: -58.389 $\pm$ 58.881 χ^2/NDF : 90.1/71

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.856+/-0.127 χ^2/NDF : 2012329.6/16

Left Out: 346.231+/-0.066 χ^2/NDF : 475895.4/18

Right Out: 452.517+/-0.130 χ^2/NDF : 2039238.5/18

Left In: 341.315+/-0.067 χ^2/NDF : 640973.2/16

Left: 343.827+/-0.047 χ^2/NDF : 1119619.7/35

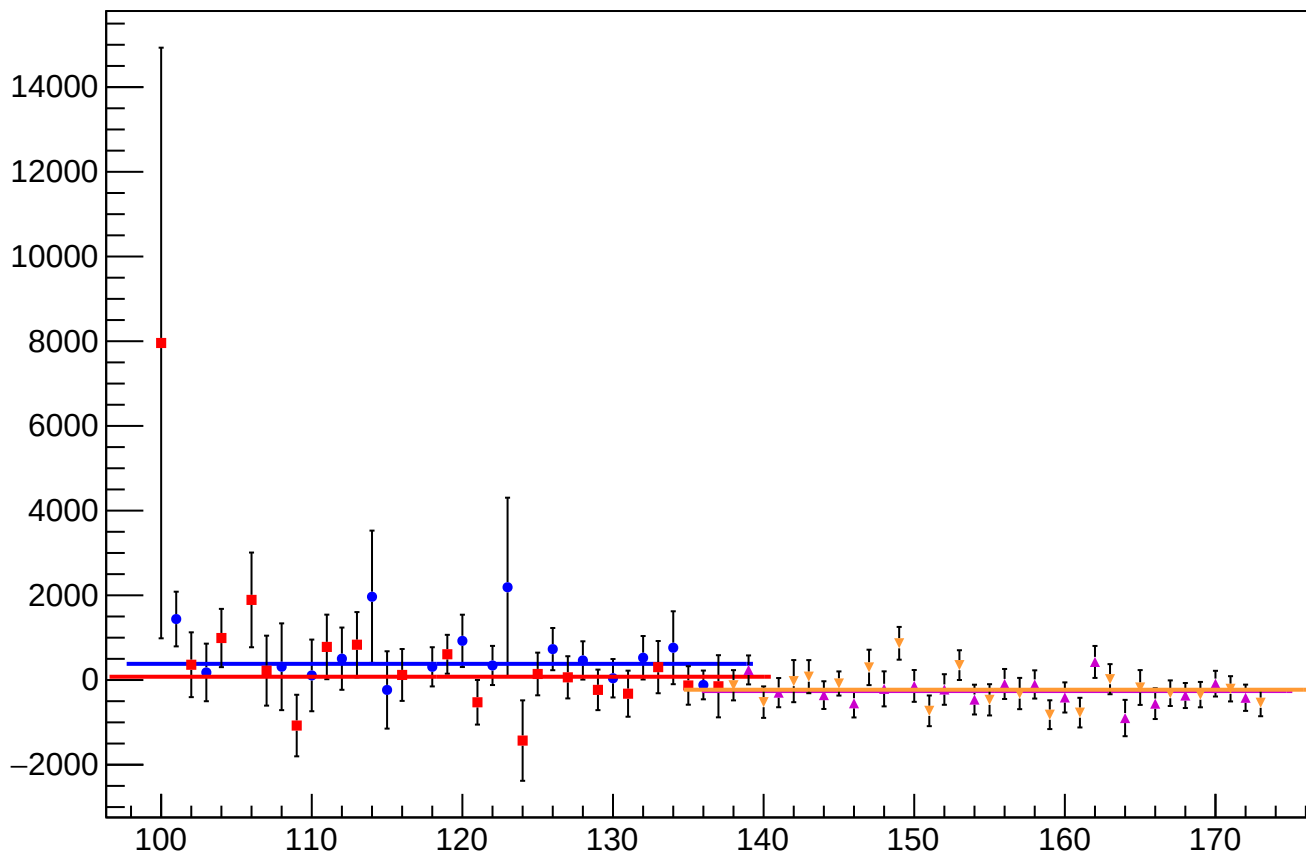
Right: 440.377+/-0.091 χ^2/NDF : 4068538.6/35

In: 360.432+/-0.059 χ^2/NDF : 3026202.4/33

Out: 367.750+/-0.059 χ^2/NDF : 3047392.3/37

All: 364.134+/-0.042 χ^2/NDF : 6081317.0/71

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 381.893 $\pm$ 141.192 χ^2/NDF : 9.4/16

Left Out: -229.190 $\pm$ 80.423 χ^2/NDF :23.5/18

Right Out: 77.490 $\pm$ 143.469 χ^2/NDF : 16.8/18

Left In: -260.592 $\pm$ 84.076 χ^2/NDF :11.0/16

Left: -244.194 $\pm$ 58.116 χ^2/NDF : 34.6/35

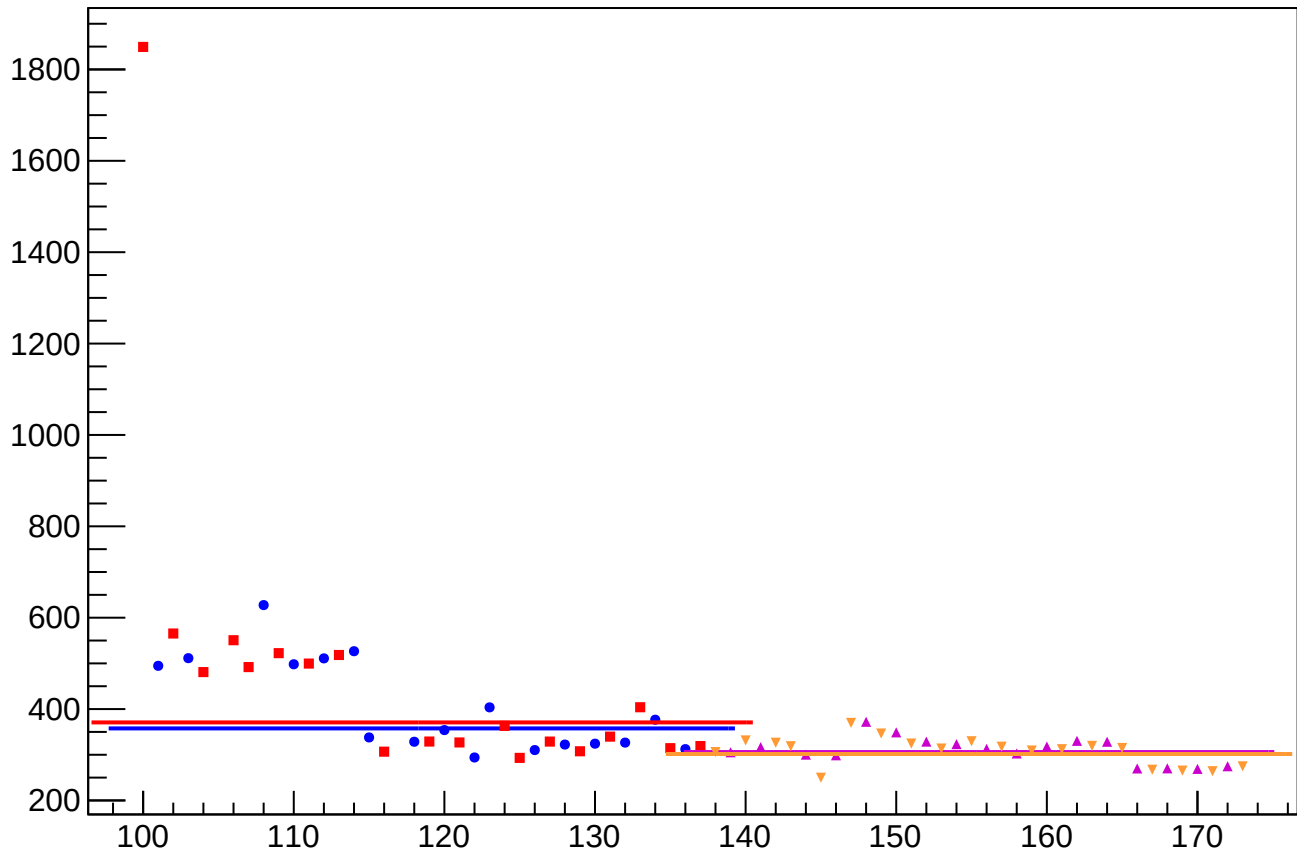
Right: 232.126 $\pm$ 100.633 χ^2/NDF : 28.5/35

In: -92.412 $\pm$ 72.238 χ^2/NDF :35.7/33

Out: -155.863 $\pm$ 70.153 χ^2/NDF :43.8/37

All: -125.067 $\pm$ 50.327 χ^2/NDF : 79.9/71

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 357.664 $\pm$ 0.100 χ^2 /NDF: 629671.7/16

Left Out: 301.680 $\pm$ 0.057 χ^2 /NDF: 304859.5/18

Right Out: 370.794 $\pm$ 0.101 χ^2 /NDF: 784786.3/18

Left In: 305.902 $\pm$ 0.059 χ^2 /NDF: 209432.5/16

Left: 303.697 $\pm$ 0.041 χ^2 /NDF: 516925.8/35

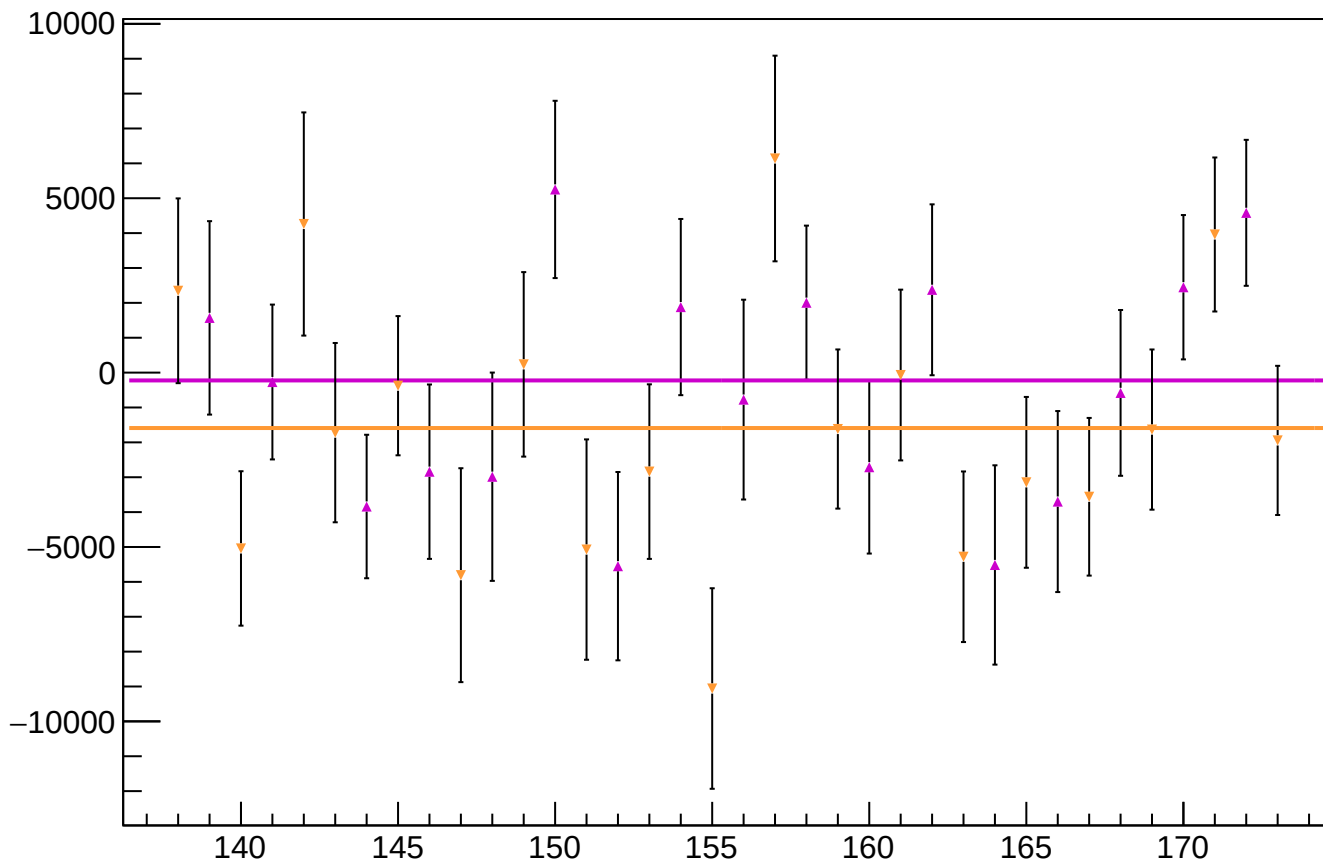
Right: 364.124 $\pm$ 0.071 χ^2 /NDF: 1422966.9/35

In: 319.451 $\pm$ 0.051 χ^2 /NDF: 1037547.1/33

Out: 318.205 $\pm$ 0.050 χ^2 /NDF: 1442813.1/37

All: 318.810 $\pm$ 0.036 χ^2 /NDF: 2480666.7/71

asym_sam2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1589.156+/-568.561 χ^2/NDF :36.0/18

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

Left In: -224.255+/-591.744 χ^2/NDF :30.1/16

Left: -933.966+/-409.984 χ^2/NDF : 68.8/35

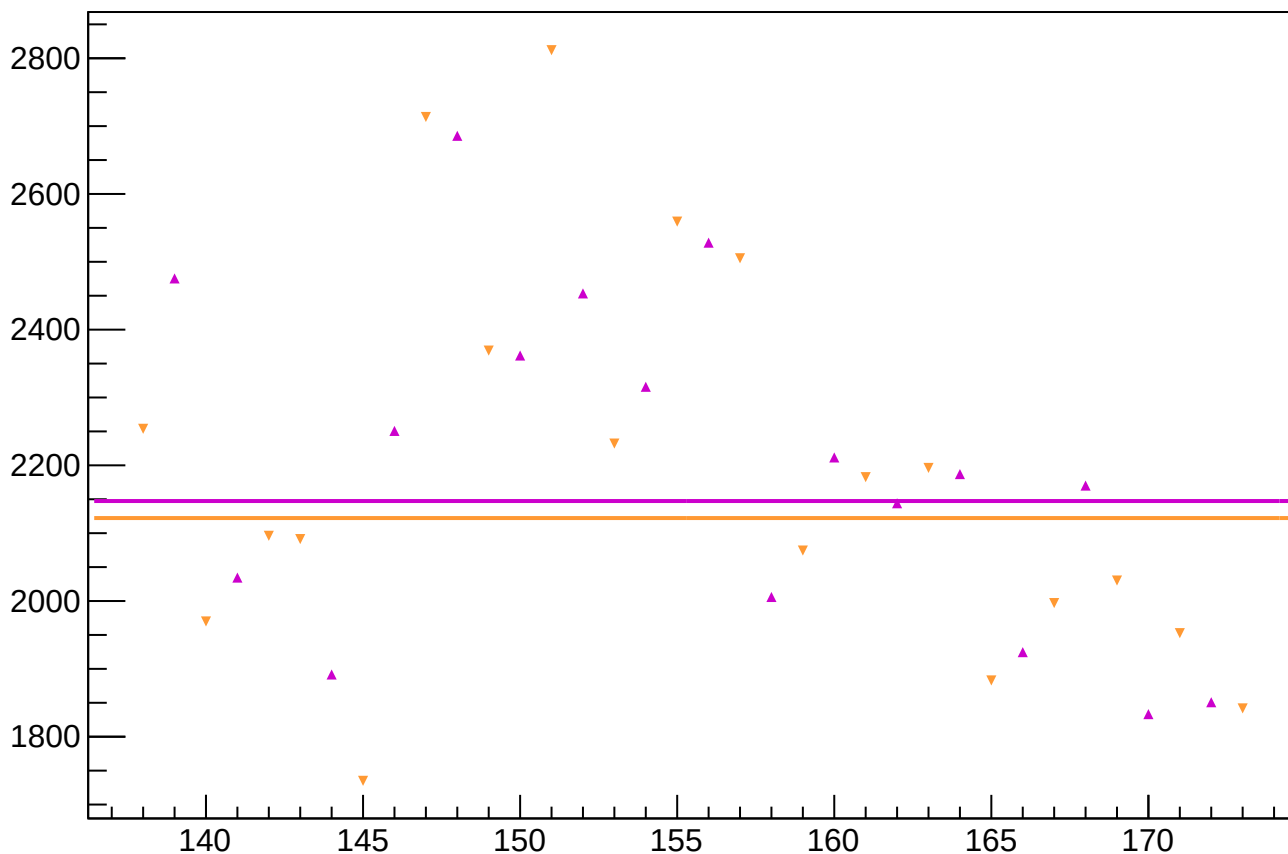
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -224.255+/-591.744 χ^2/NDF :30.1/16

Out: -1589.156+/-568.561 χ^2/NDF :36.0/18

All: -933.966+/-409.984 χ^2/NDF : 68.8/35

asym_sam2_correction_rms vs Slug, Sign Corrected



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

Left Out: 2122.286+/-0.402 χ^2/NDF :439585.6/18

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

Left In: 2147.384+/-0.418 χ^2/NDF :327721.5/16

Left: 2134.333+/-0.290 χ^2/NDF : 769177.9/35

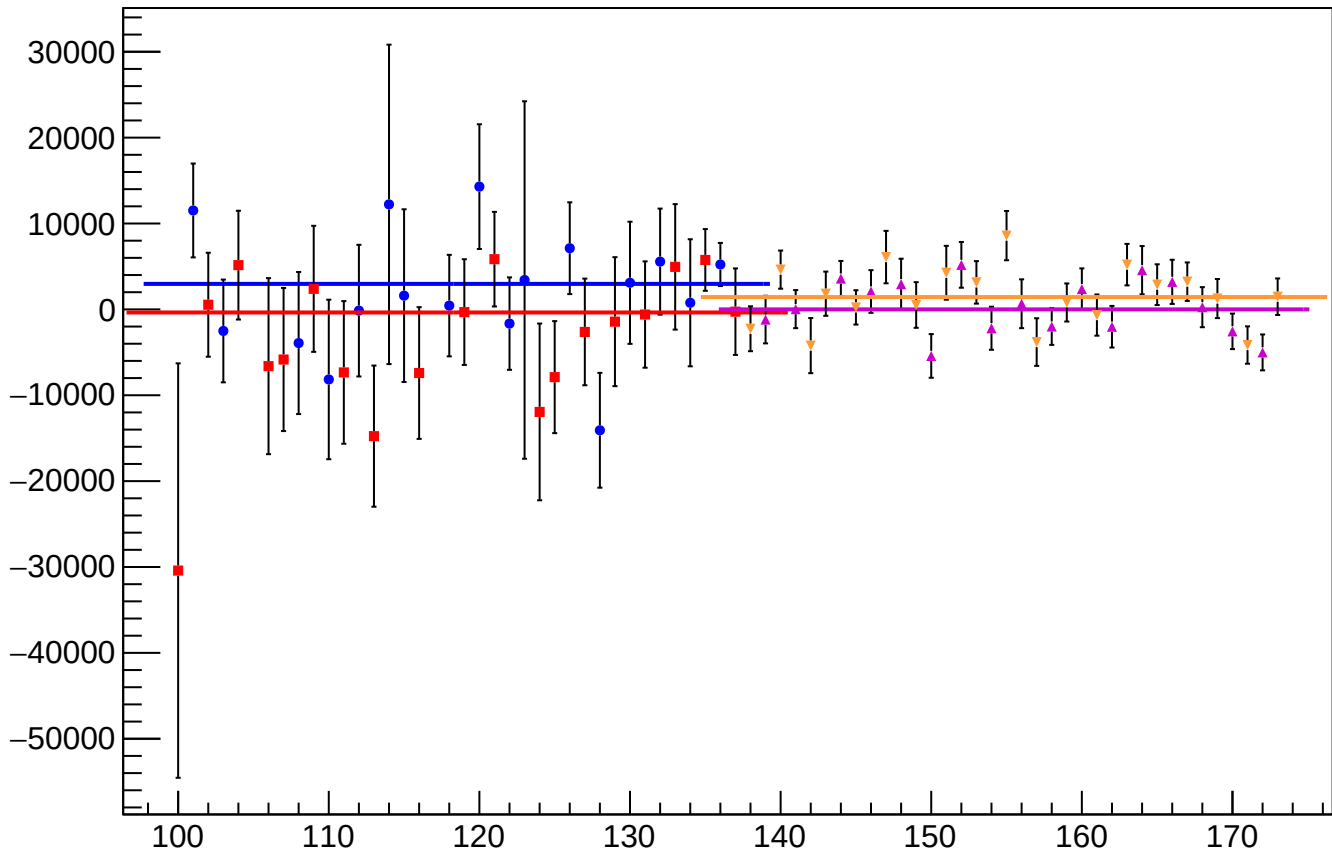
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2147.384+/-0.418 χ^2/NDF :327721.5/16

Out: 2122.286+/-0.402 χ^2/NDF :439585.6/18

All: 2134.333+/-0.290 χ^2/NDF : 769177.9/35

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2969.125+/-1440.489 χ^2/NDF : 17.4/16

Left Out: 1434.233+/-562.249 χ^2/NDF : 32.0/18

Right Out: -358.685+/-1507.064 χ^2/NDF : 15.3/18

Left In: -0.396+/-586.048 χ^2/NDF : 28.1/16

Left: 746.638+/-405.723 χ^2/NDF : 63.2/35

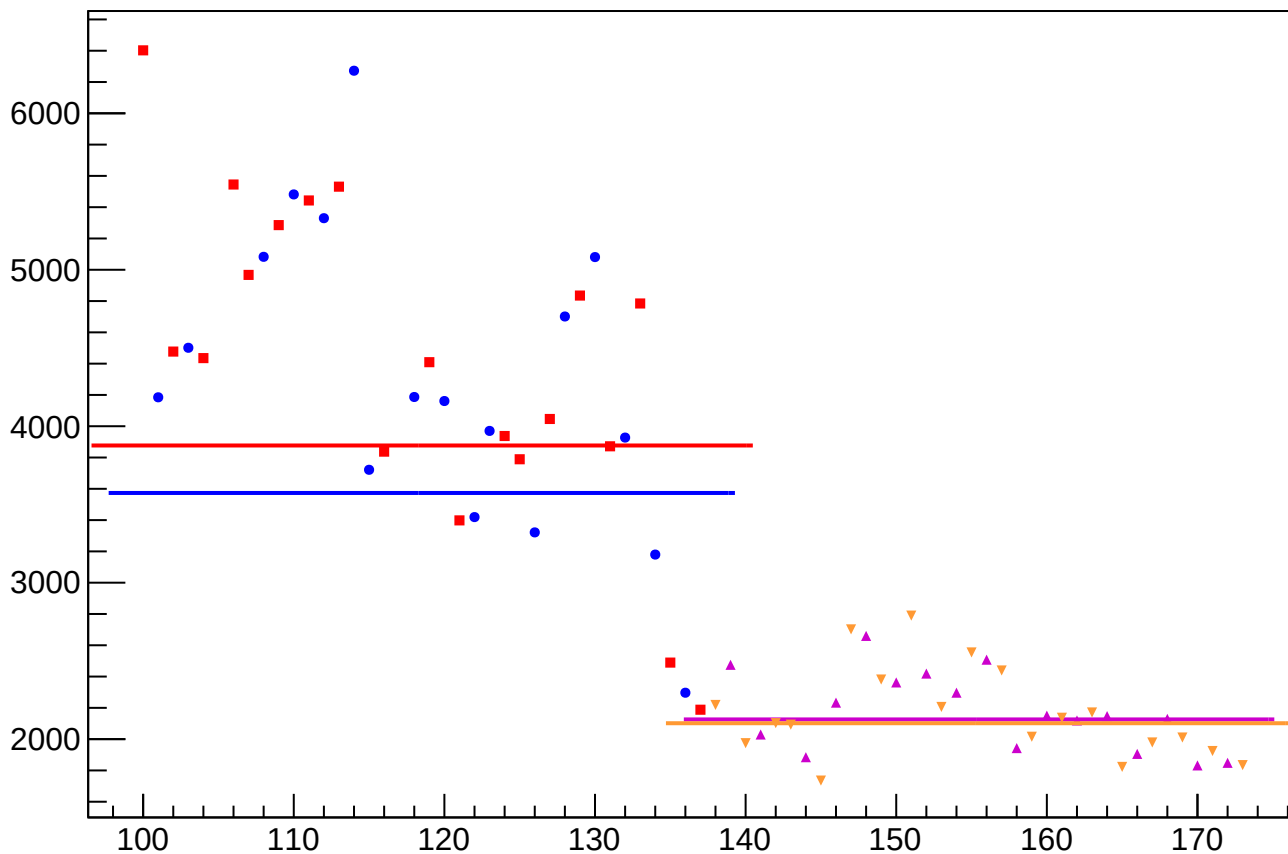
Right: 1380.346+/-1041.320 χ^2/NDF : 35.3/35

In: 421.313+/-542.842 χ^2/NDF : 49.1/33

Out: 1215.174+/-526.783 χ^2/NDF : 48.6/37

All: 830.160+/-378.042 χ^2/NDF : 98.8/71

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3573.470+/-1.019 χ^2/NDF : 1088731.5/16

Left Out: 2101.685+/-0.398 χ^2/NDF : 443189.8/18

Right Out: 3876.914+/-1.066 χ^2/NDF : 988409.8/18

Left In: 2126.041+/-0.414 χ^2/NDF : 324206.1/16

Left: 2113.359+/-0.287 χ^2/NDF : 769194.6/35

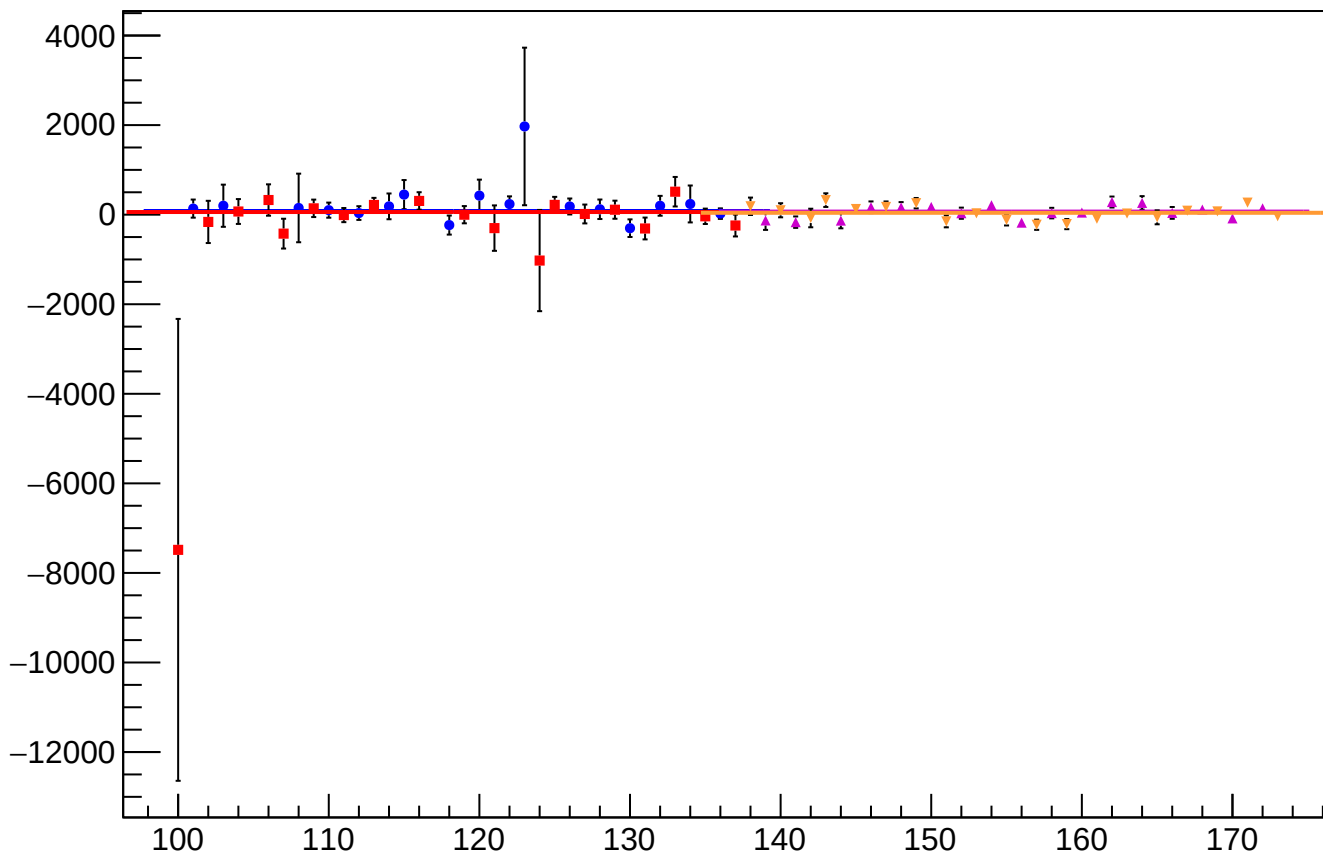
Right: 3718.342+/-0.736 χ^2/NDF : 2119512.7/35

In: 2331.594+/-0.384 χ^2/NDF : 3145485.1/33

Out: 2318.582+/-0.372 χ^2/NDF : 3867618.2/37

All: 2324.893+/-0.267 χ^2/NDF : 7013695.2/71

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 81.851+/-51.907 χ^2/NDF : 11.5/16

Left Out: 41.849+/-25.770 χ^2/NDF :34.4/18

Right Out: 59.008+/-53.165 χ^2/NDF : 16.4/18

Left In: 68.624+/-27.594 χ^2/NDF :23.4/16

Left: 54.322+/-18.834 χ^2/NDF : 58.3/35

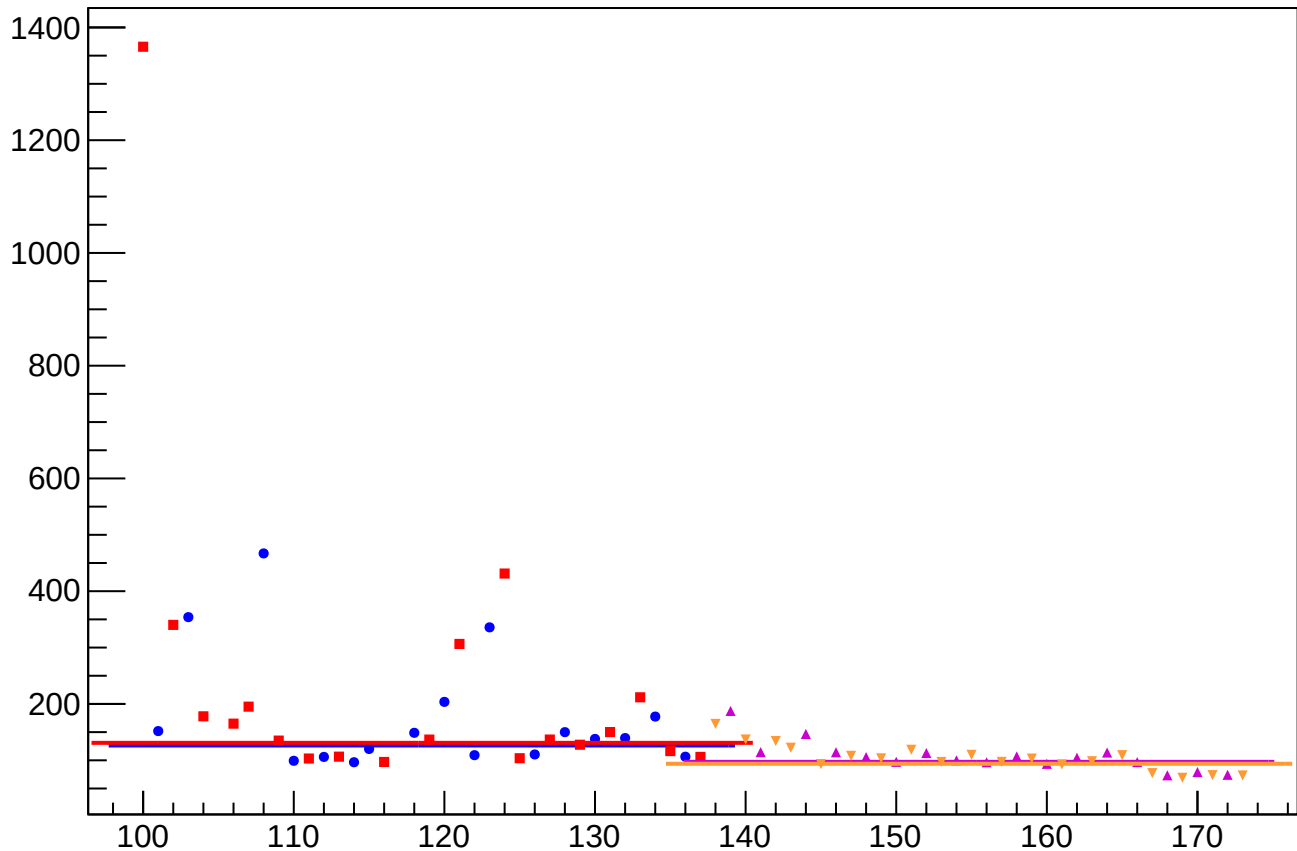
Right: 70.703+/-37.141 χ^2/NDF : 28.1/35

In: 71.538+/-24.365 χ^2/NDF :34.9/33

Out: 45.113+/-23.189 χ^2/NDF :50.9/37

All: 57.673+/-16.798 χ^2/NDF : 86.5/71

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 126.339 $\pm$ 0.037 χ^2 /NDF: 1310585.0/16

Left Out: 93.877 $\pm$ 0.018 χ^2 /NDF:1248885.2/18

Right Out: 131.007 $\pm$ 0.038 χ^2 /NDF: 1429260.8/18

Left In: 97.299 $\pm$ 0.020 χ^2 /NDF:1087761.6/16

Left: 95.471 $\pm$ 0.013 χ^2 /NDF: 2353073.9/35

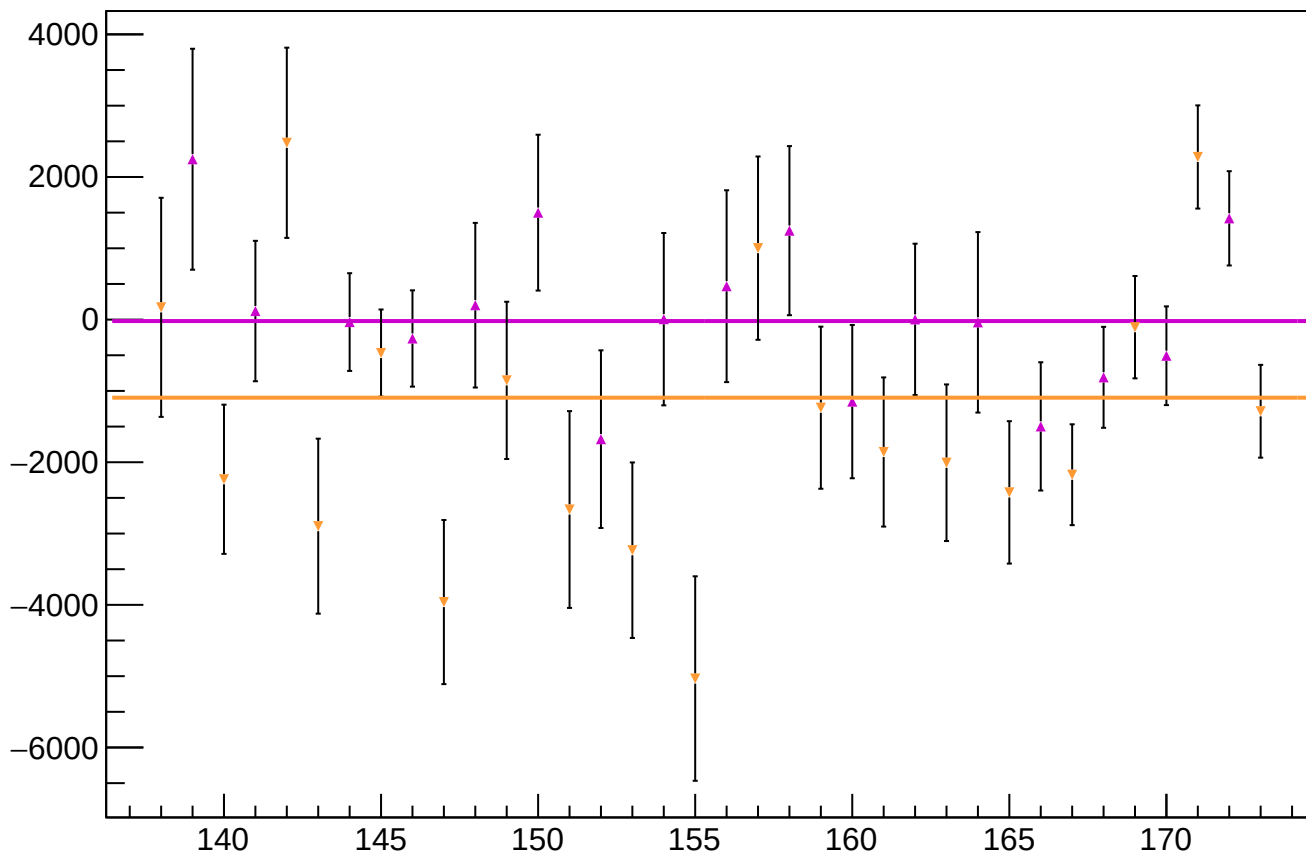
Right: 128.617 $\pm$ 0.026 χ^2 /NDF: 2747739.0/35

In: 103.697 $\pm$ 0.017 χ^2 /NDF:2886422.5/33

Out: 100.941 $\pm$ 0.016 χ^2 /NDF:3468049.0/37

All: 102.251 $\pm$ 0.012 χ^2 /NDF: 6367902.9/71

asym_sam3_correction_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -1094.801 ± 219.091 $\chi^2/\text{NDF}: 62.1/18$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -20.258 ± 223.952 $\chi^2/\text{NDF}: 17.6/16$

Left: -569.318 ± 156.611 $\chi^2/\text{NDF}: 91.5/35$

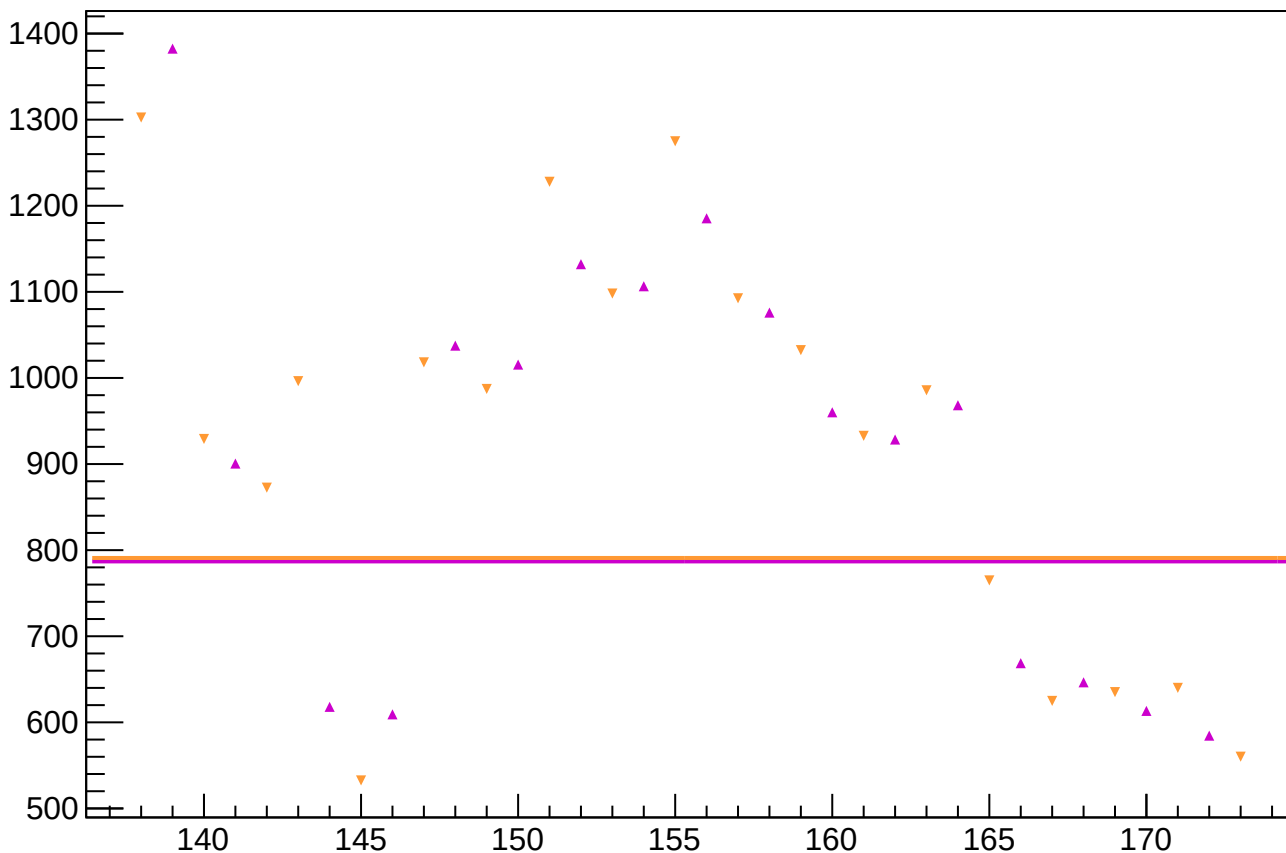
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -20.258 ± 223.952 $\chi^2/\text{NDF}: 17.6/16$

Out: -1094.801 ± 219.091 $\chi^2/\text{NDF}: 62.1/18$

All: -569.318 ± 156.611 $\chi^2/\text{NDF}: 91.5/35$

asym_sam3_correction_rms vs Slug, Sign Corrected



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

Left Out: 790.921+/-0.155 χ^2/NDF :2216952.7/18

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

Left In: 786.919+/-0.158 χ^2/NDF :1906926.2/16

Left: 788.964+/-0.111 χ^2/NDF : 4124205.2/35

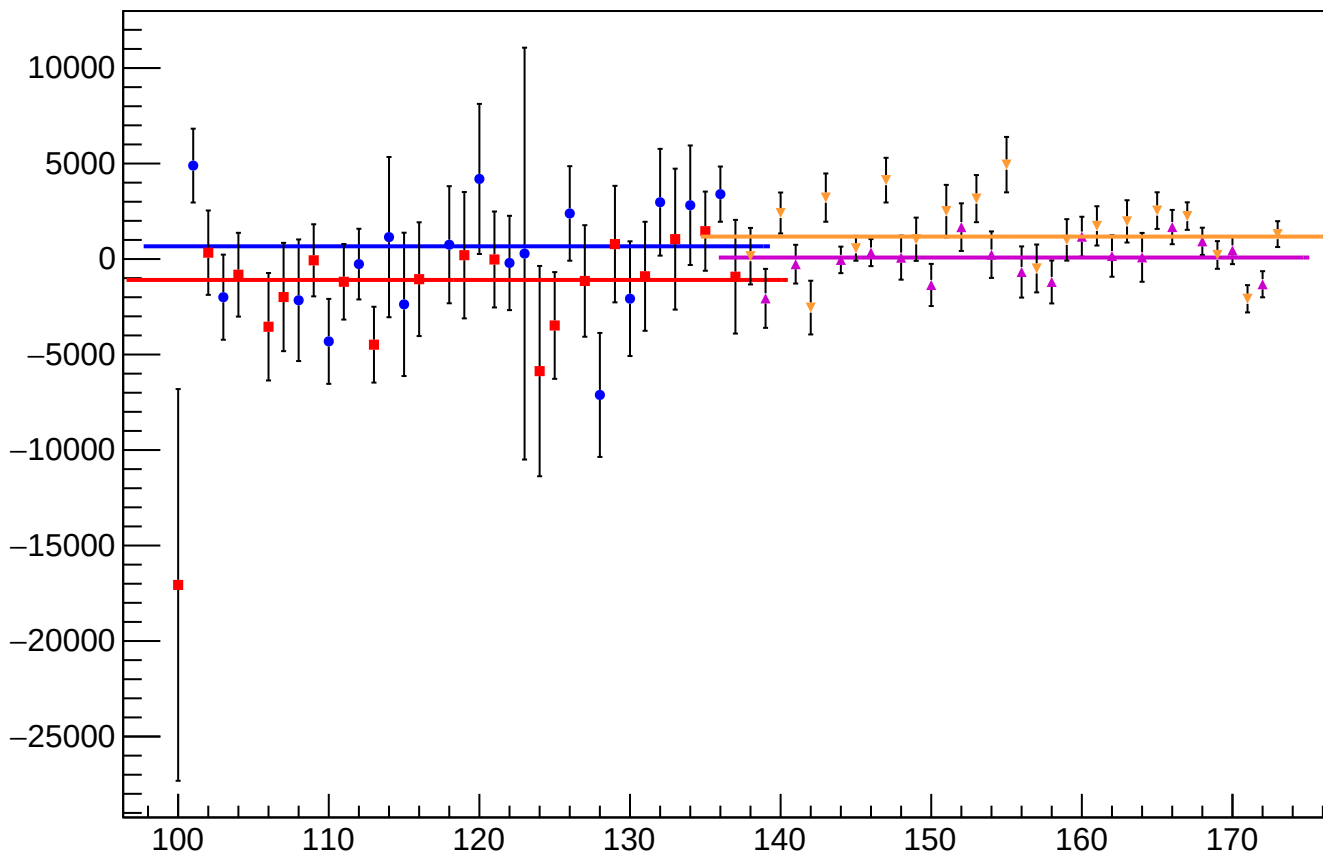
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 786.919+/-0.158 χ^2/NDF :1906926.2/16

Out: 790.921+/-0.155 χ^2/NDF :2216952.7/18

All: 788.964+/-0.111 χ^2/NDF : 4124205.2/35

asym_sam3_mean vs Slug, Sign Corrected



Right In: 666.453+/-618.839 χ^2/NDF : 25.6/16

Left Out: 1175.030+/-221.954 χ^2/NDF : 58.4/18

Right Out: -1094.278+/-602.639 χ^2/NDF : 11.0/18

Left In: 78.925+/-227.158 χ^2/NDF : 17.3/16

Left: 639.676+/-158.753 χ^2/NDF : 87.6/35

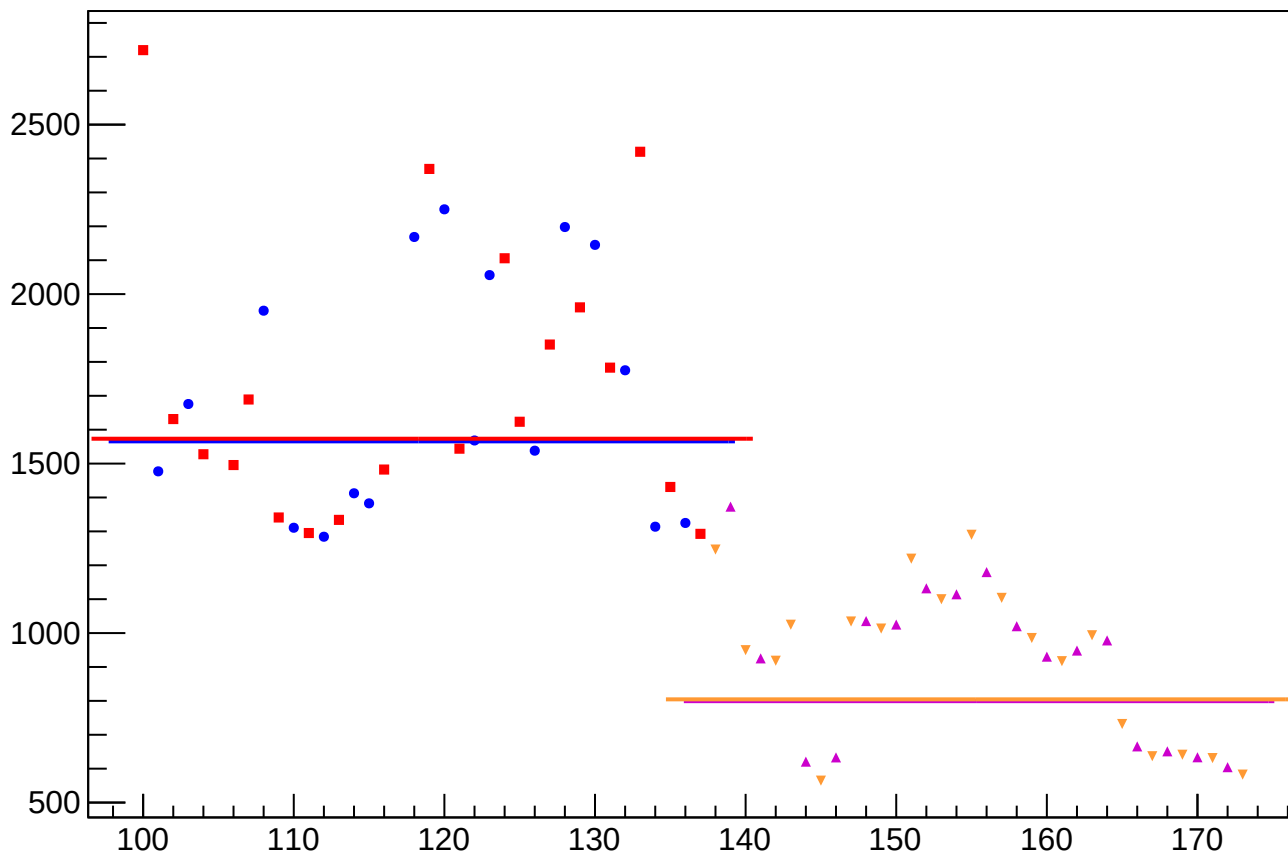
Right: -237.260+/-431.744 χ^2/NDF : 40.8/35

In: 148.689+/-213.245 χ^2/NDF : 43.7/33

Out: 903.972+/-208.277 χ^2/NDF : 81.9/37

All: 535.232+/-148.999 χ^2/NDF : 132.0/71

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1565.623+/-0.438 χ^2/NDF : 490790.2/16

Left Out: 804.495+/-0.157 χ^2/NDF : 2033705.3/18

Right Out: 1573.366+/-0.426 χ^2/NDF : 462040.3/18

Left In: 799.152+/-0.161 χ^2/NDF : 1740832.9/16

Left: 801.885+/-0.112 χ^2/NDF : 3775104.1/35

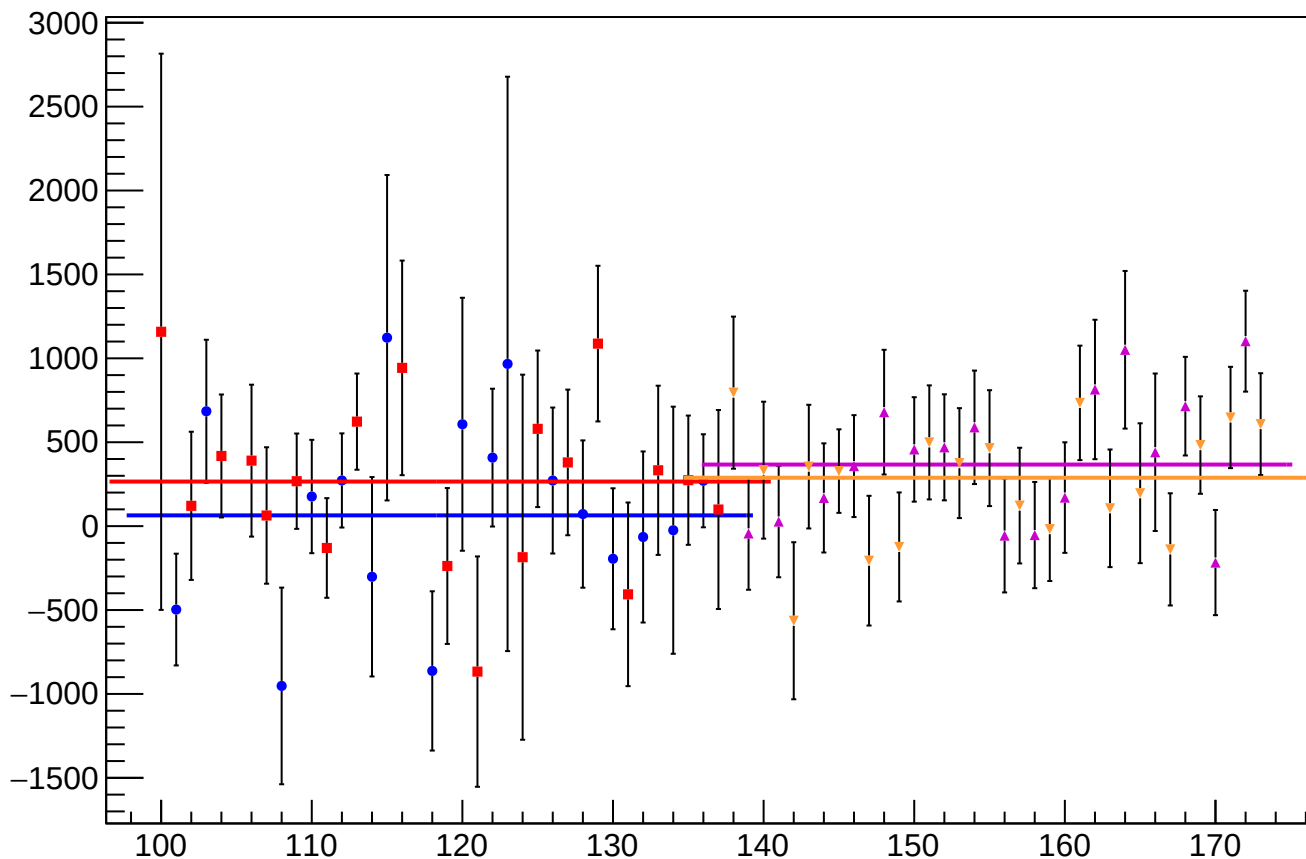
Right: 1569.597+/-0.305 χ^2/NDF : 952991.2/35

In: 890.164+/-0.151 χ^2/NDF : 4935386.5/33

Out: 896.332+/-0.147 χ^2/NDF : 5362422.4/37

All: 893.321+/-0.105 χ^2/NDF : 10298665.3/73

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 64.087 $\pm$ 105.336 χ^2/NDF : 16.8/16

Left Out: 288.376 $\pm$ 77.732 χ^2/NDF : 16.4/18

Right Out: 265.661 $\pm$ 99.379 χ^2/NDF : 14.7/18

Left In: 366.984 $\pm$ 81.604 χ^2/NDF : 22.1/16

Left: 325.771 $\pm$ 56.284 χ^2/NDF : 39.0/35

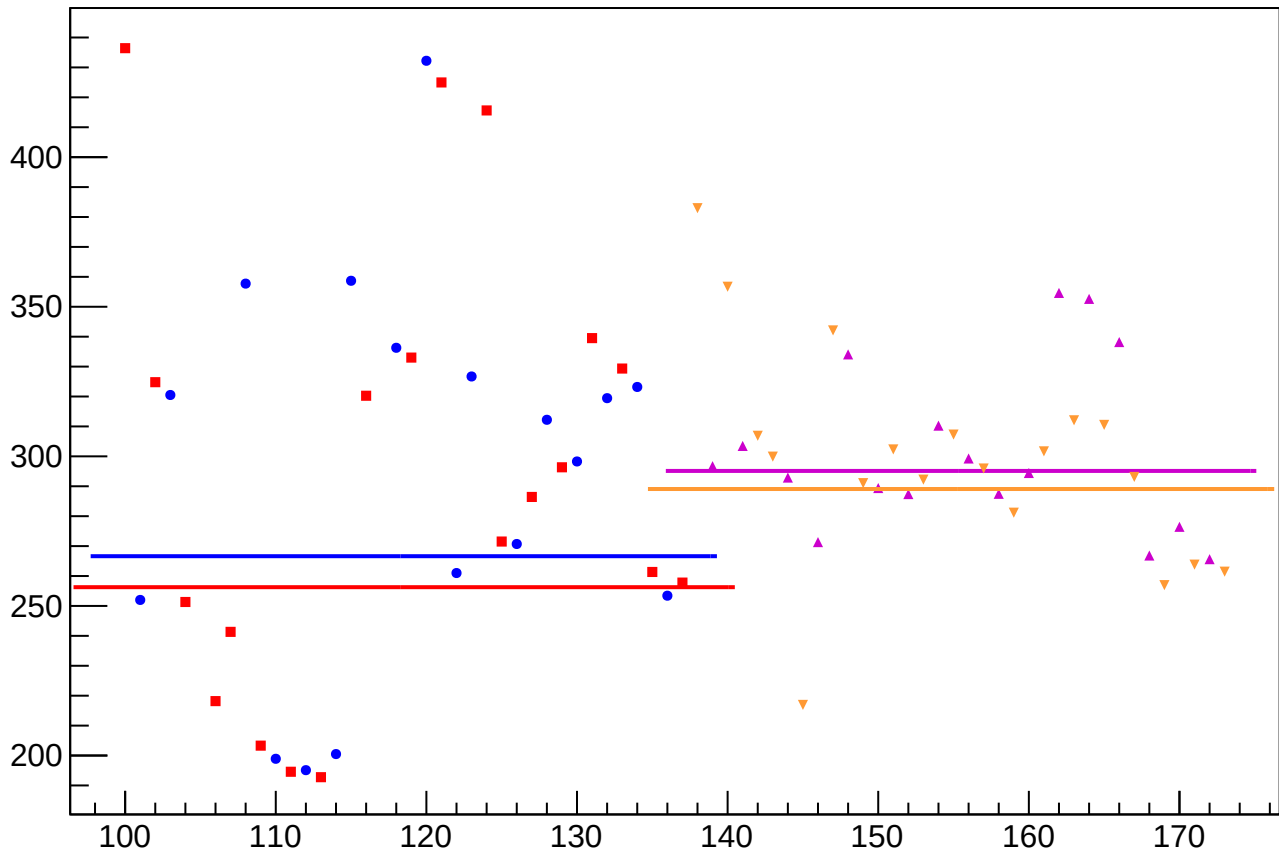
Right: 170.735 $\pm$ 72.286 χ^2/NDF : 33.4/35

In: 253.379 $\pm$ 64.510 χ^2/NDF : 44.0/33

Out: 279.754 $\pm$ 61.227 χ^2/NDF : 31.2/37

All: 267.255 $\pm$ 44.410 χ^2/NDF : 75.3/71

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 266.624 $\pm$ 0.074 χ^2 /NDF: 550752.5/16

Left Out: 289.083 $\pm$ 0.055 χ^2 /NDF:433991.3/18

Right Out: 256.268 $\pm$ 0.070 χ^2 /NDF: 696896.2/18

Left In: 295.127 $\pm$ 0.058 χ^2 /NDF:175737.1/16

Left: 291.958 $\pm$ 0.040 χ^2 /NDF: 615481.1/35

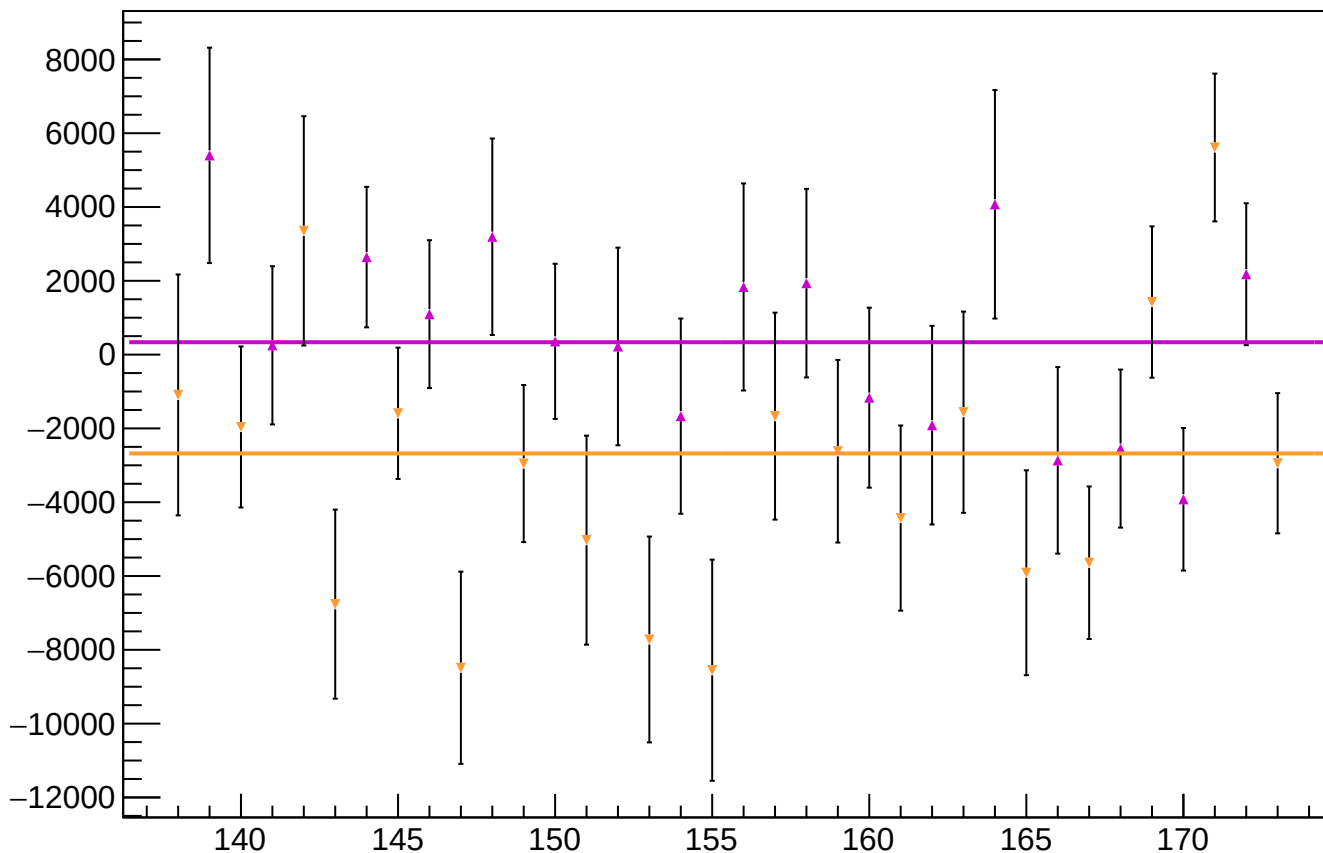
Right: 261.145 $\pm$ 0.051 χ^2 /NDF: 1257876.6/35

In: 284.437 $\pm$ 0.046 χ^2 /NDF:818001.4/33

Out: 276.627 $\pm$ 0.043 χ^2 /NDF:1266173.1/37

All: 280.328 $\pm$ 0.031 χ^2 /NDF: 2099595.1/71

asym_sam4_correction_mean vs Slug, Sign Corrected



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

Left Out: -2677.844+/-548.816 χ^2/NDF :45.2/18

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

Left In: 336.039+/-566.717 χ^2/NDF :18.8/16

Left: -1219.253+/-394.248 χ^2/NDF : 78.5/35

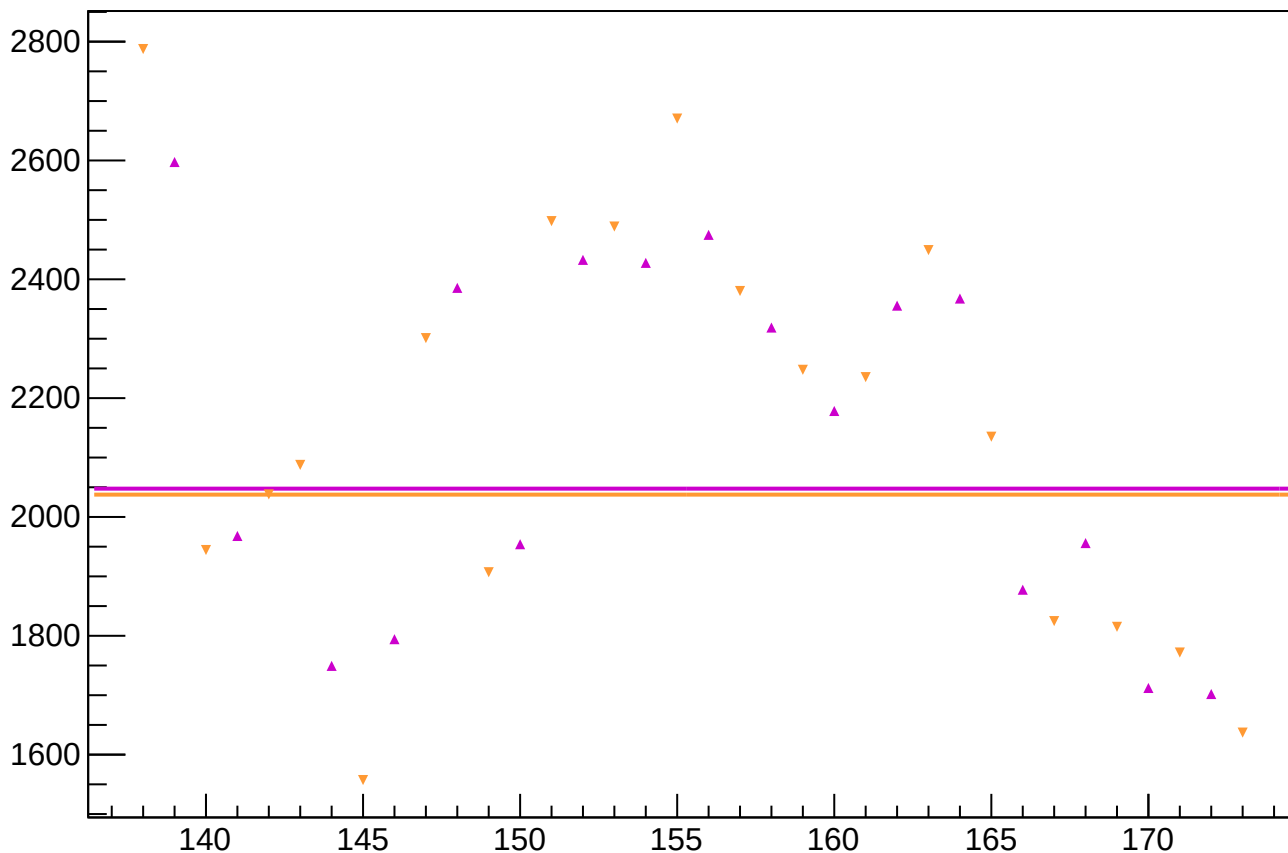
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 336.039+/-566.717 χ^2/NDF :18.8/16

Out: -2677.844+/-548.816 χ^2/NDF :45.2/18

All: -1219.253+/-394.248 χ^2/NDF : 78.5/35

asym_sam4_correction_rms vs Slug, Sign Corrected



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

Left Out: 2037.601+/-0.388 χ^2/NDF : 751752.5/18

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

Left In: 2047.657+/-0.401 χ^2/NDF : 533501.5/16

Left: 2042.468+/-0.279 χ^2/NDF : 1285578.9/35

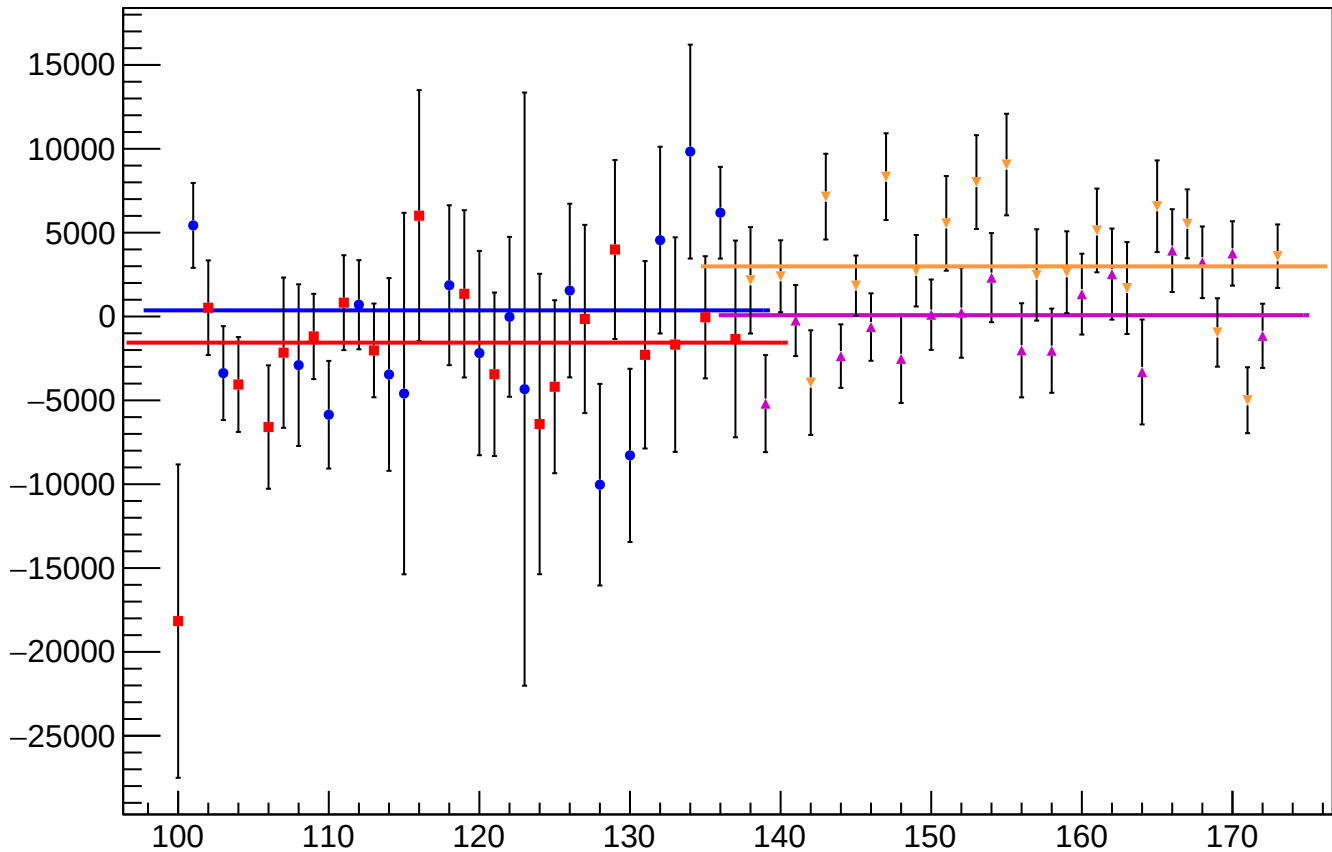
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2047.657+/-0.401 χ^2/NDF : 533501.5/16

Out: 2037.601+/-0.388 χ^2/NDF : 751752.5/18

All: 2042.468+/-0.279 χ^2/NDF : 1285578.9/35

asym_sam4_mean vs Slug, Sign Corrected



Right In: 366.454 $\pm$ 992.480 χ^2 /NDF: 24.2/16

Left Out: 2991.686 $\pm$ 545.674 χ^2 /NDF:45.1/18

Right Out: -1557.388 $\pm$ 924.003 χ^2 /NDF: 10.5/18

Left In: 79.444 $\pm$ 564.051 χ^2 /NDF:19.1/16

Left: 1583.778 $\pm$ 392.186 χ^2 /NDF: 77.9/35

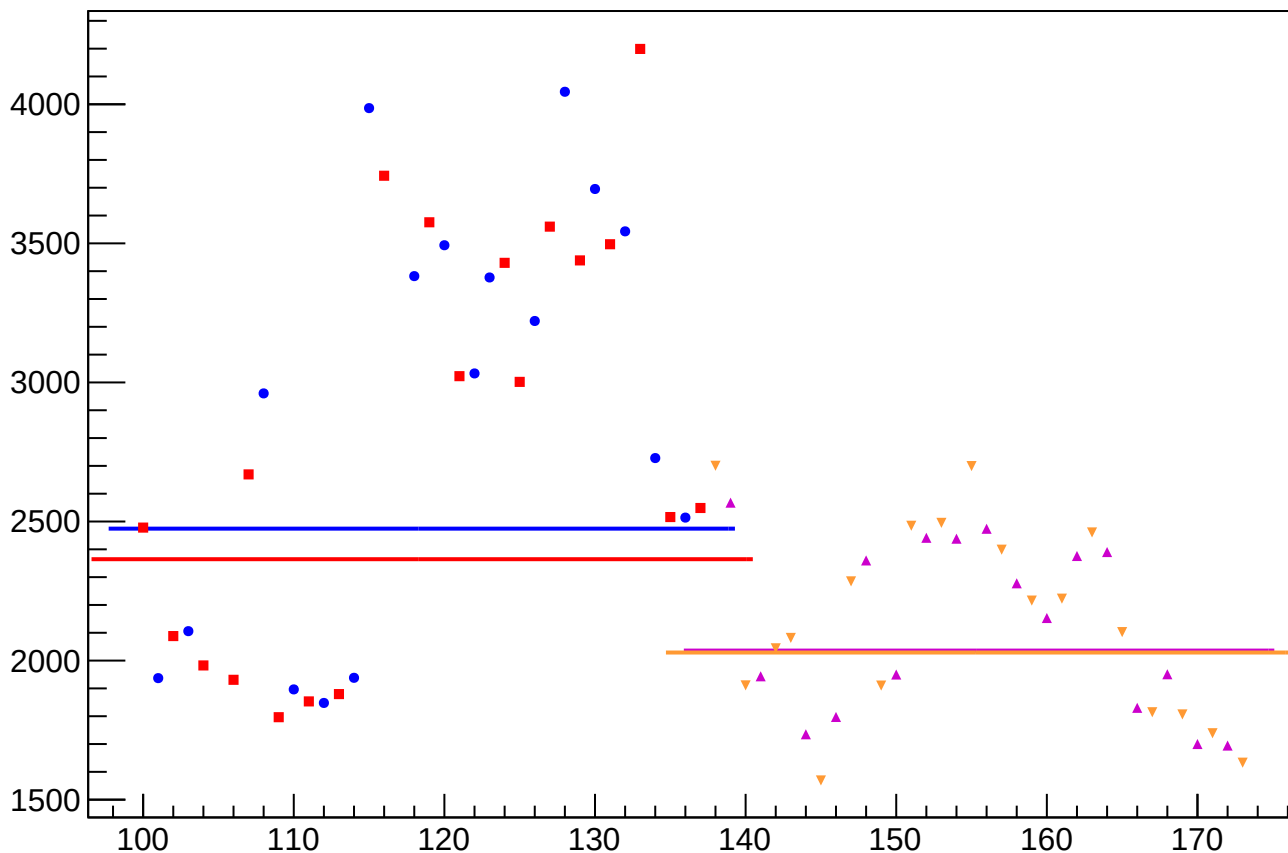
Right: -664.120 $\pm$ 676.282 χ^2 /NDF: 36.7/35

In: 149.514 $\pm$ 490.388 χ^2 /NDF:43.3/33

Out: 1815.407 $\pm$ 469.858 χ^2 /NDF:73.6/37

All: 1018.060 $\pm$ 339.265 χ^2 /NDF: 122.9/71

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2474.389+/-0.702 χ^2/NDF : 906262.1/16

Left Out: 2029.021+/-0.386 χ^2/NDF : 747504.4/18

Right Out: 2364.507+/-0.653 χ^2/NDF : 1023402.8/18

Left In: 2035.957+/-0.399 χ^2/NDF : 546058.4/16

Left: 2032.375+/-0.277 χ^2/NDF : 1293719.1/35

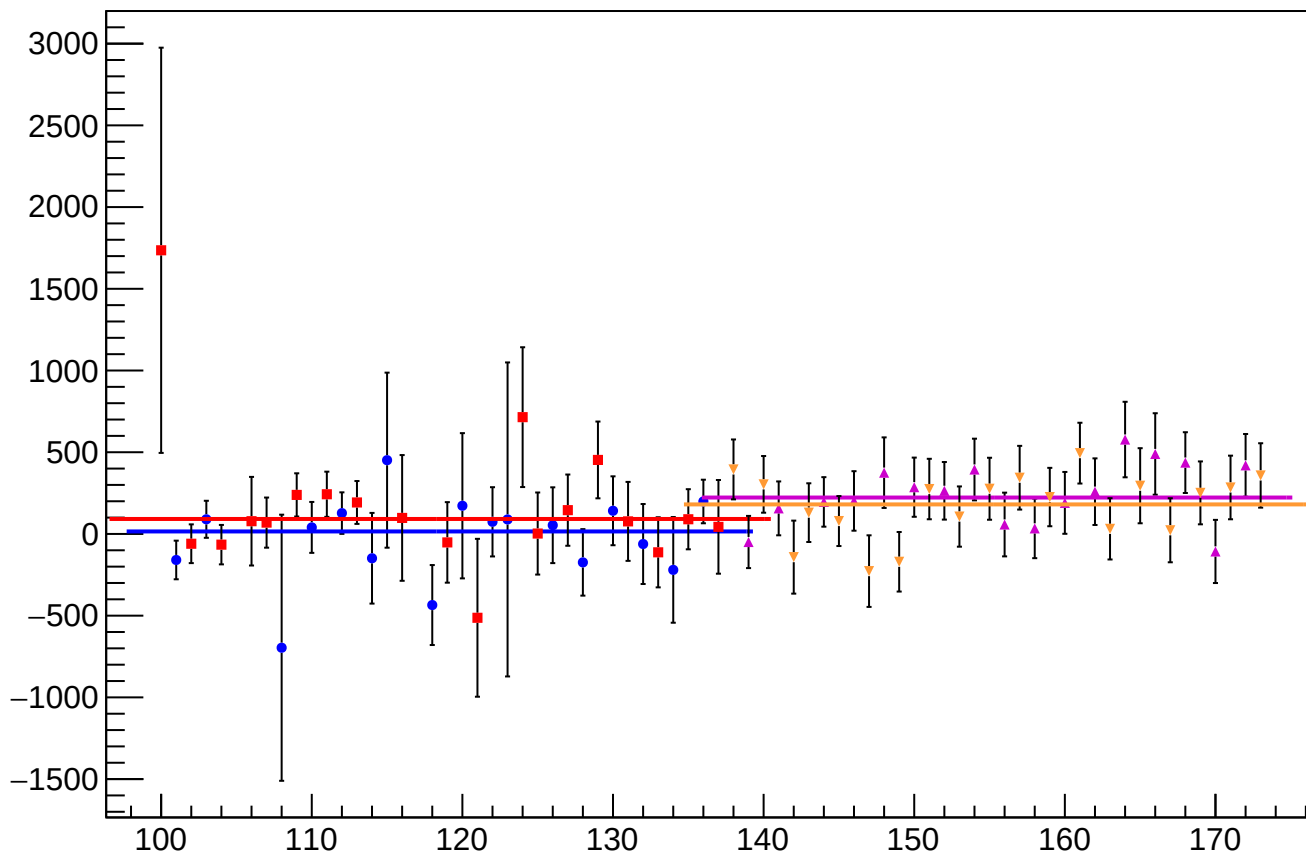
Right: 2415.527+/-0.478 χ^2/NDF : 1942797.3/35

In: 2142.995+/-0.347 χ^2/NDF : 1747327.4/33

Out: 2115.770+/-0.332 χ^2/NDF : 1966385.7/37

All: 2128.801+/-0.240 χ^2/NDF : 3716927.1/71

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 15.303 $\pm$ 46.443 χ^2/NDF : 12.6/16

Left Out: 180.721 $\pm$ 43.296 χ^2/NDF : 18.7/18

Right Out: 91.634 $\pm$ 43.318 χ^2/NDF : 15.7/18

Left In: 222.748 $\pm$ 45.259 χ^2/NDF : 15.3/16

Left: 200.804 $\pm$ 31.286 χ^2/NDF : 34.4/35

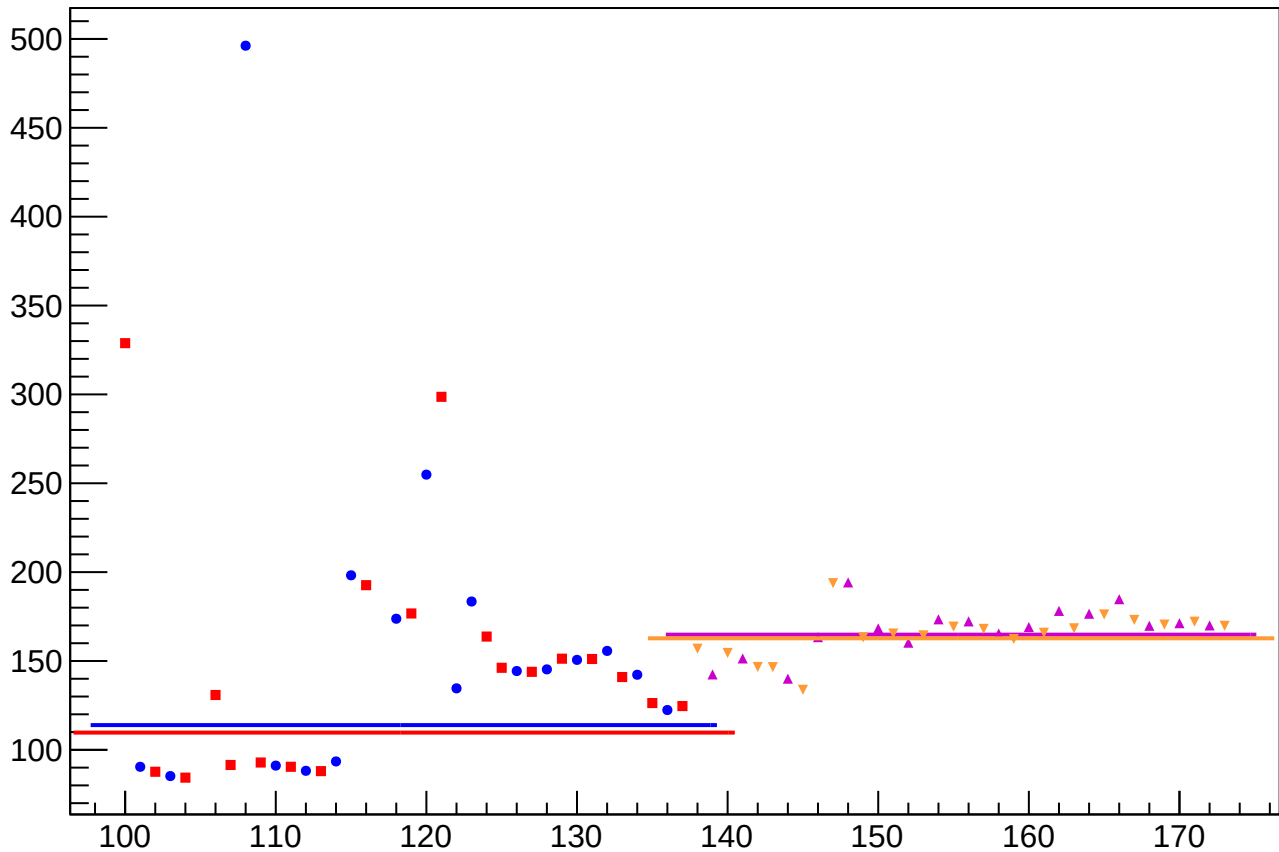
Right: 56.123 $\pm$ 31.678 χ^2/NDF : 29.7/35

In: 121.705 $\pm$ 32.413 χ^2/NDF : 38.0/33

Out: 136.200 $\pm$ 30.623 χ^2/NDF : 36.5/37

All: 129.364 $\pm$ 22.260 χ^2/NDF : 74.6/71

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 113.932 $\pm$ 0.033 χ^2/NDF : 1407849.3/16

Left Out: 162.756 $\pm$ 0.031 χ^2/NDF :174904.9/18

Right Out: 109.709 $\pm$ 0.031 χ^2/NDF : 1242014.6/18

Left In: 164.823 $\pm$ 0.032 χ^2/NDF :185097.1/16

Left: 163.744 $\pm$ 0.022 χ^2/NDF : 362179.0/35

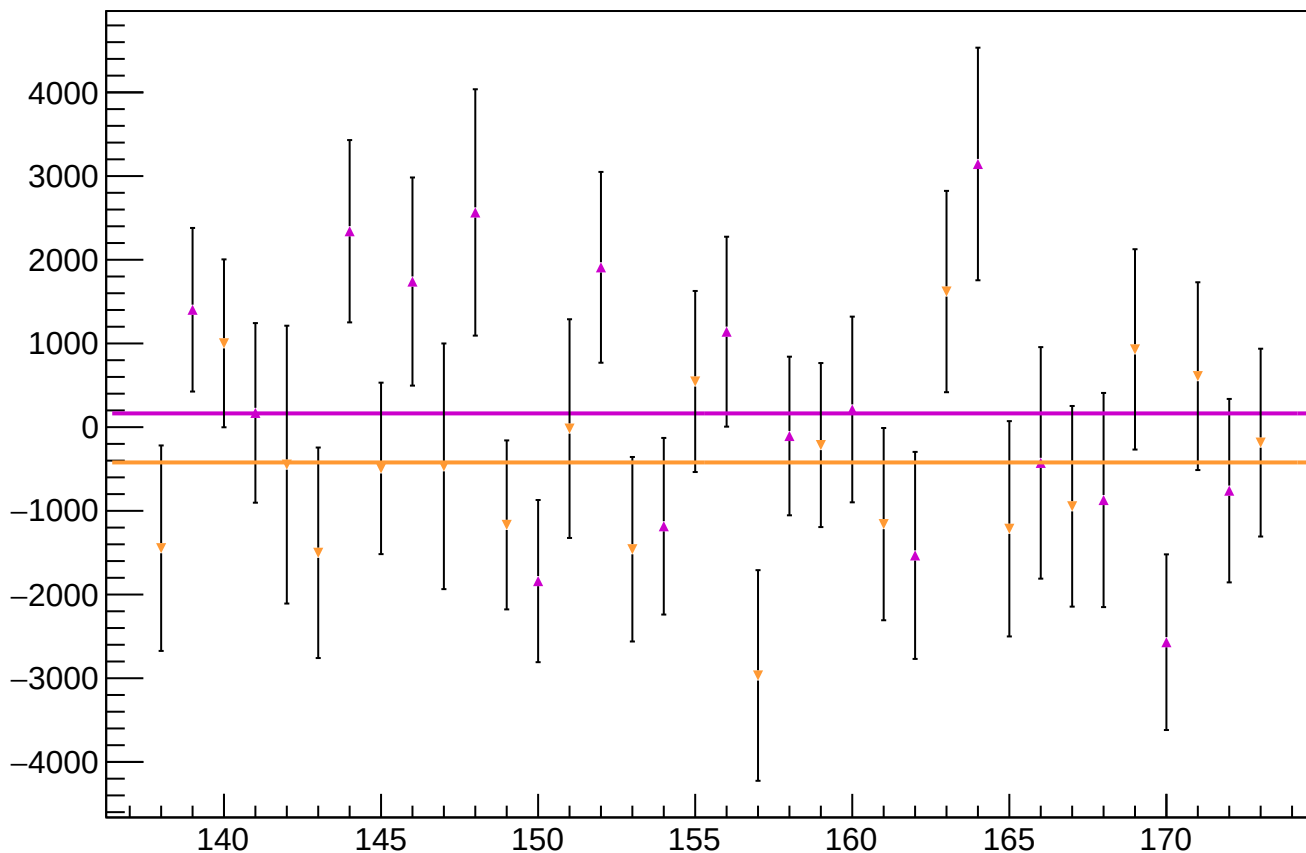
Right: 111.674 $\pm$ 0.022 χ^2/NDF : 2658703.6/35

In: 140.035 $\pm$ 0.023 χ^2/NDF :2824657.2/33

Out: 136.246 $\pm$ 0.022 χ^2/NDF :2917284.4/37

All: 138.033 $\pm$ 0.016 χ^2/NDF : 5756376.5/71

asym_sam5_correction_mean vs Slug, Sign Corrected



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

Left Out: -421.664+/-267.029 χ^2/NDF :15.9/18

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

Left In: 164.244+/-273.708 χ^2/NDF :33.8/16

Left: -135.945+/-191.136 χ^2/NDF : 52.0/35

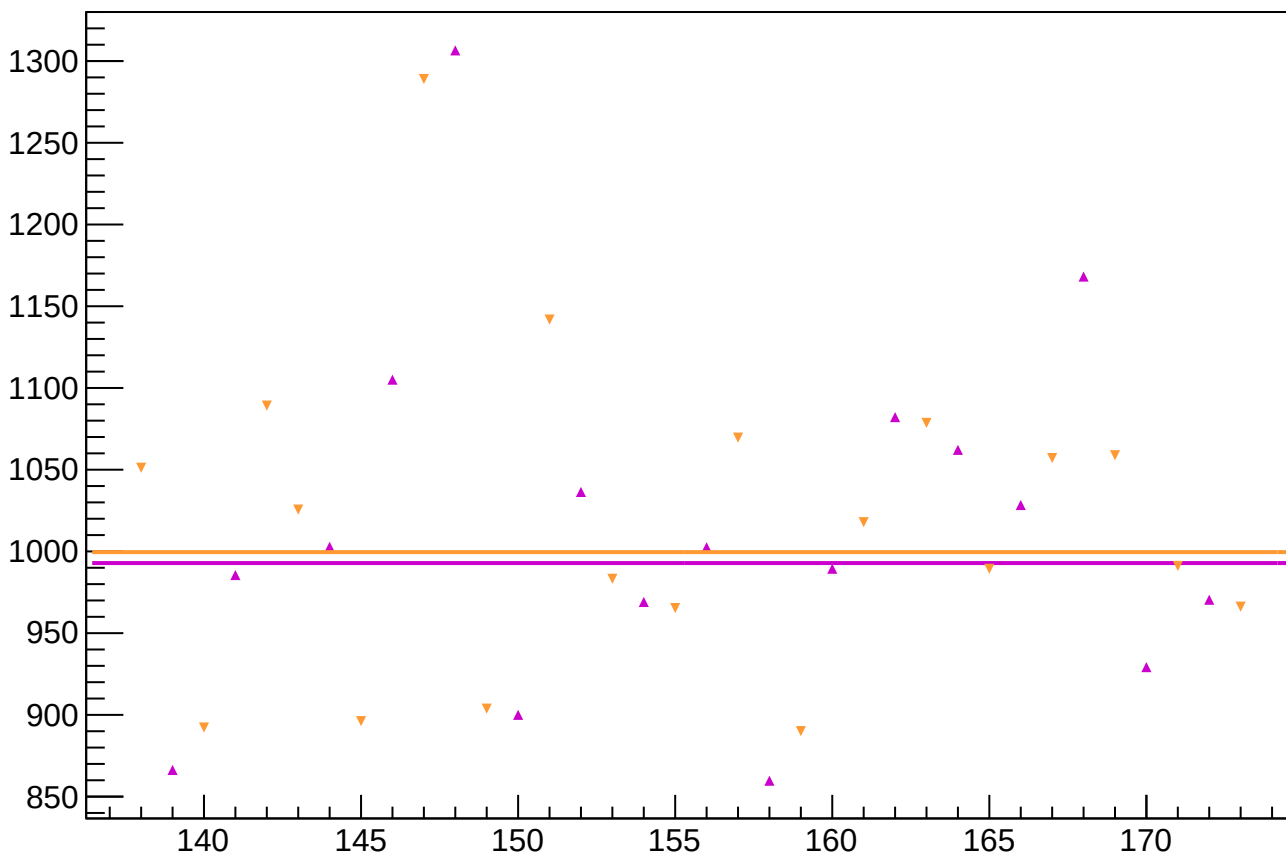
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 164.244+/-273.708 χ^2/NDF :33.8/16

Out: -421.664+/-267.029 χ^2/NDF :15.9/18

All: -135.945+/-191.136 χ^2/NDF : 52.0/35

asym_sam5_correction_rms vs Slug, Sign Corrected



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

Left Out: 999.569+/-0.189 χ^2/NDF :227292.2/18

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

Left In: 992.882+/-0.194 χ^2/NDF :265325.0/16

Left: 996.308+/-0.135 χ^2/NDF : 493228.8/35

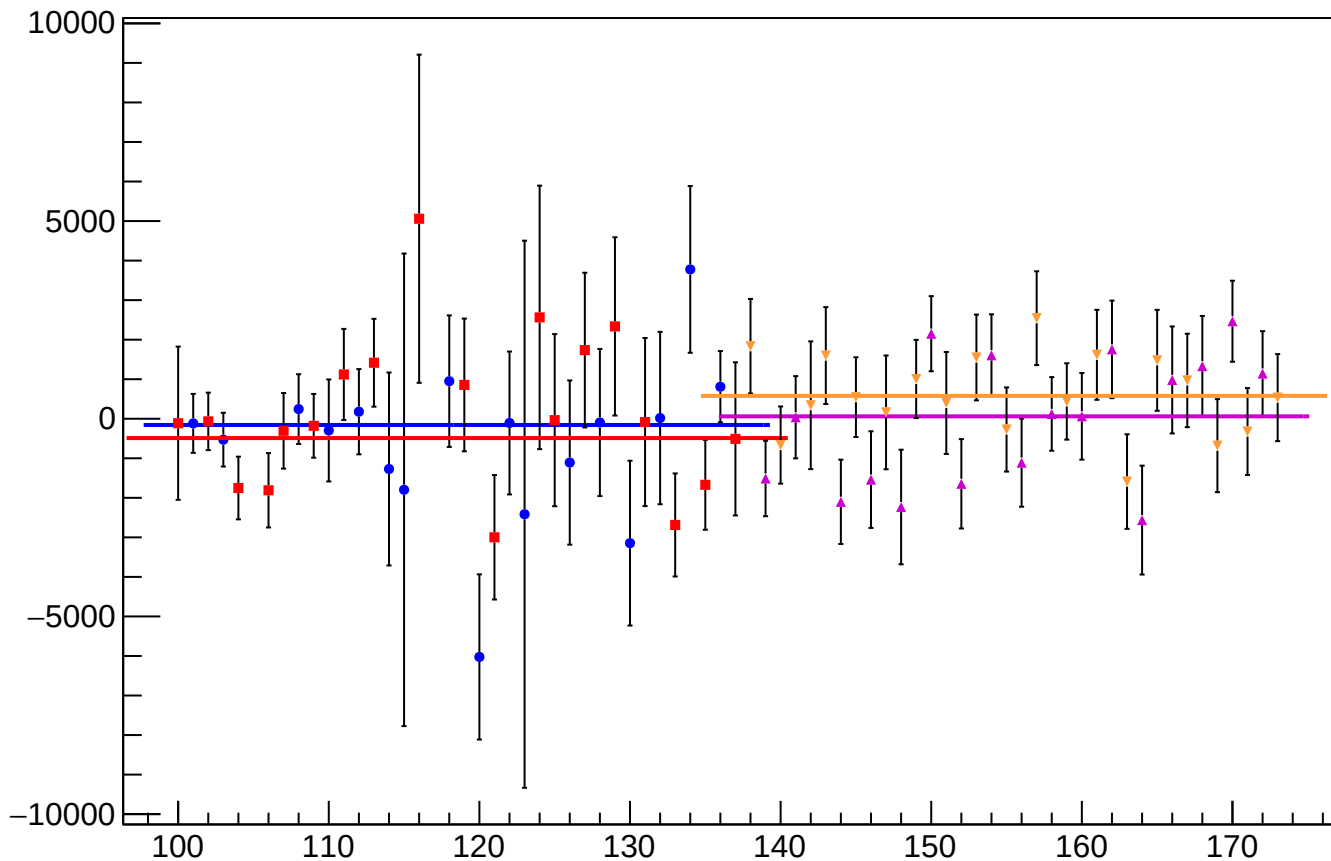
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 992.882+/-0.194 χ^2/NDF :265325.0/16

Out: 999.569+/-0.189 χ^2/NDF :227292.2/18

All: 996.308+/-0.135 χ^2/NDF : 493228.8/35

asym_sam5_mean vs Slug, Sign Corrected



Right In: -157.178 ± 312.499 $\chi^2/\text{NDF}: 16.2/16$

Left Out: 578.633 ± 261.900 $\chi^2/\text{NDF}: 14.5/18$

Right Out: -488.583 ± 282.758 $\chi^2/\text{NDF}: 22.6/18$

Left In: 60.748 ± 268.783 $\chi^2/\text{NDF}: 35.0/16$

Left: 326.406 ± 187.578 $\chi^2/\text{NDF}: 51.4/35$

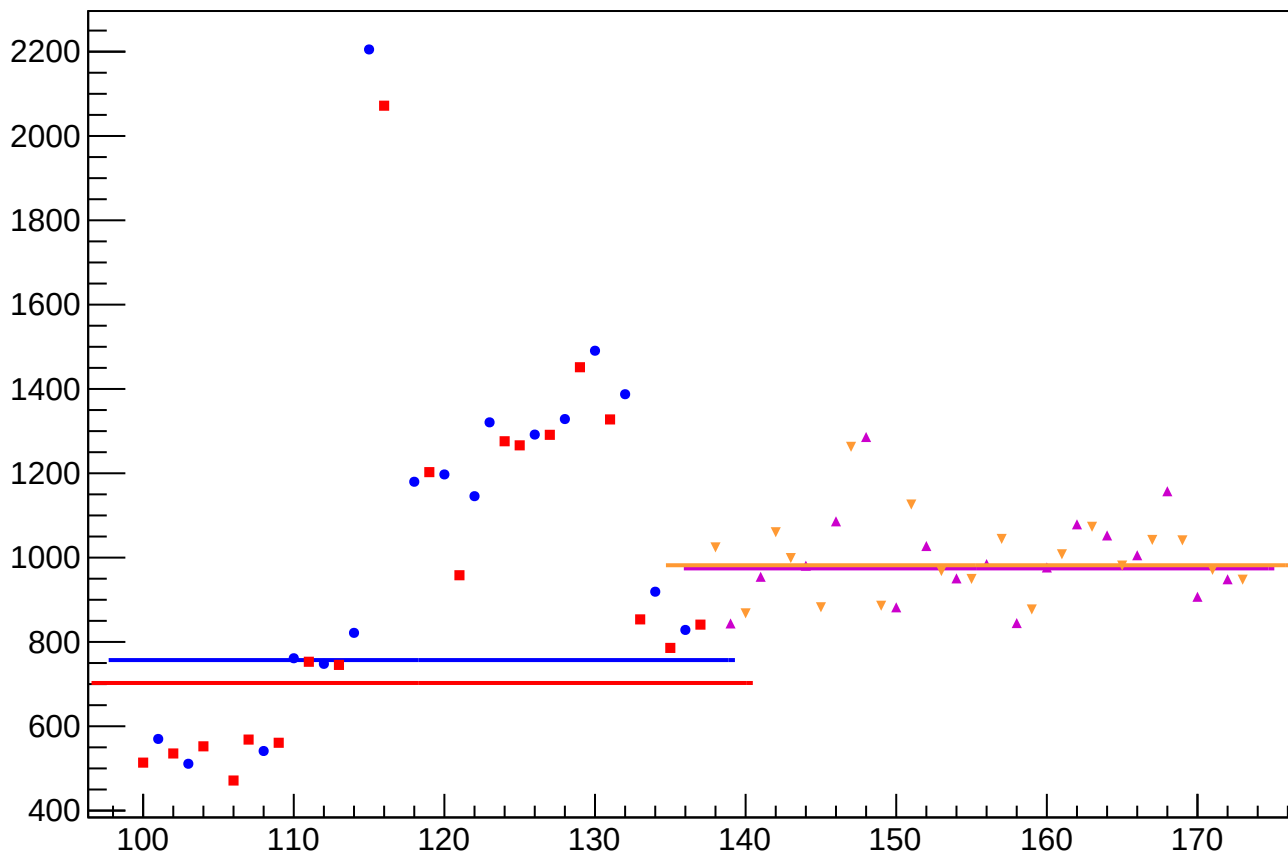
Right: -339.397 ± 209.669 $\chi^2/\text{NDF}: 39.5/35$

In: -31.918 ± 203.777 $\chi^2/\text{NDF}: 51.5/33$

Out: 85.835 ± 192.143 $\chi^2/\text{NDF}: 44.8/37$

All: 30.416 ± 139.797 $\chi^2/\text{NDF}: 96.5/71$

asym_sam5_rms vs Slug, Sign Corrected



Right In: 756.985 $\pm$ 0.221 χ^2 /NDF: 1711285.9/16

Left Out: 981.891 $\pm$ 0.185 χ^2 /NDF: 230749.4/18

Right Out: 702.656 $\pm$ 0.200 χ^2 /NDF: 1689579.7/18

Left In: 974.373 $\pm$ 0.190 χ^2 /NDF: 284038.0/16

Left: 978.229 $\pm$ 0.133 χ^2 /NDF: 515589.9/35

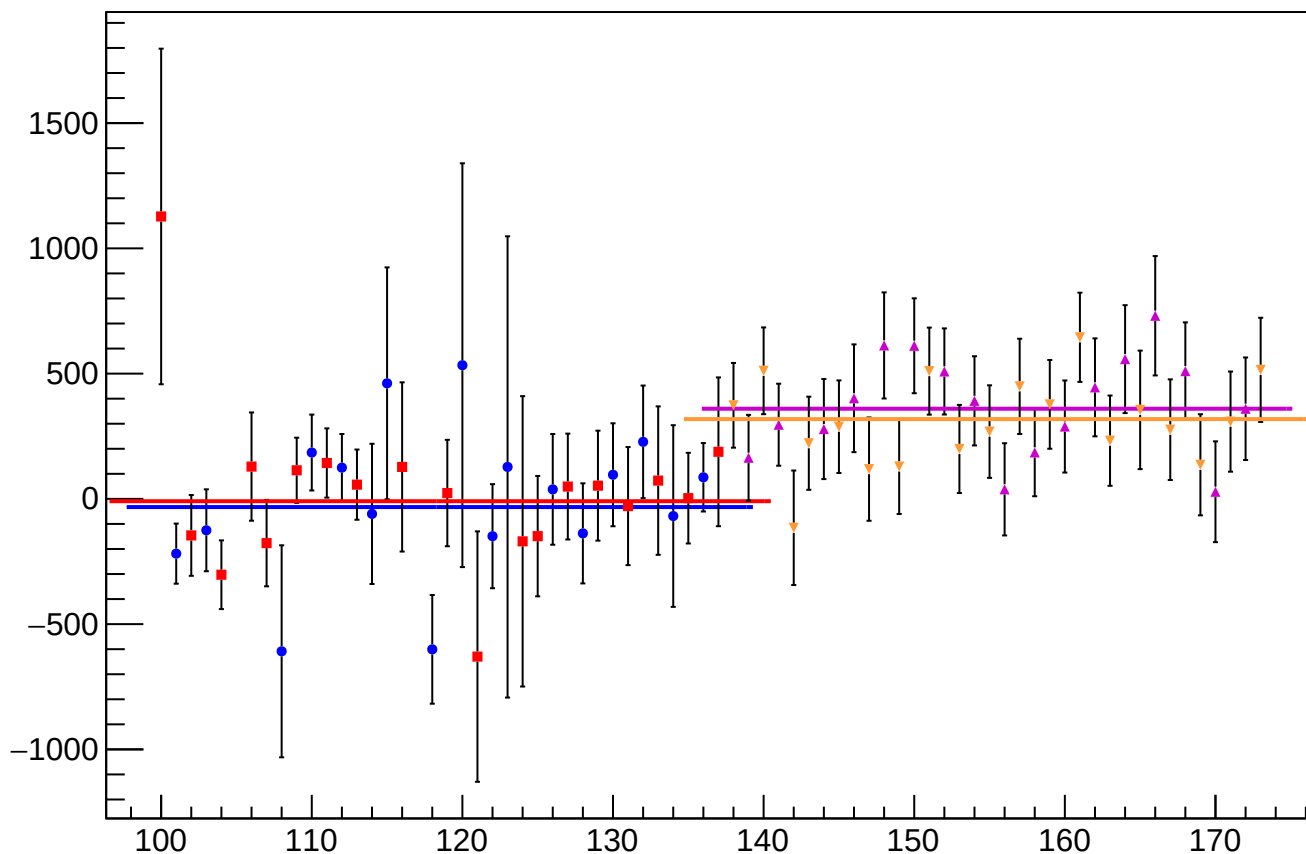
Right: 727.113 $\pm$ 0.148 χ^2 /NDF: 3434103.1/35

In: 881.936 $\pm$ 0.144 χ^2 /NDF: 2551622.6/33

Out: 852.951 $\pm$ 0.136 χ^2 /NDF: 2970145.6/37

All: 866.593 $\pm$ 0.099 χ^2 /NDF: 5543188.2/71

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -32.694 ± 48.431 χ^2/NDF : 19.7/16

Left Out: 318.491 ± 43.475 χ^2/NDF : 14.9/18

Right Out: -9.277 ± 45.600 χ^2/NDF : 14.7/18

Left In: 359.877 ± 46.334 χ^2/NDF : 16.6/16

Left: 337.868 ± 31.704 χ^2/NDF : 31.9/35

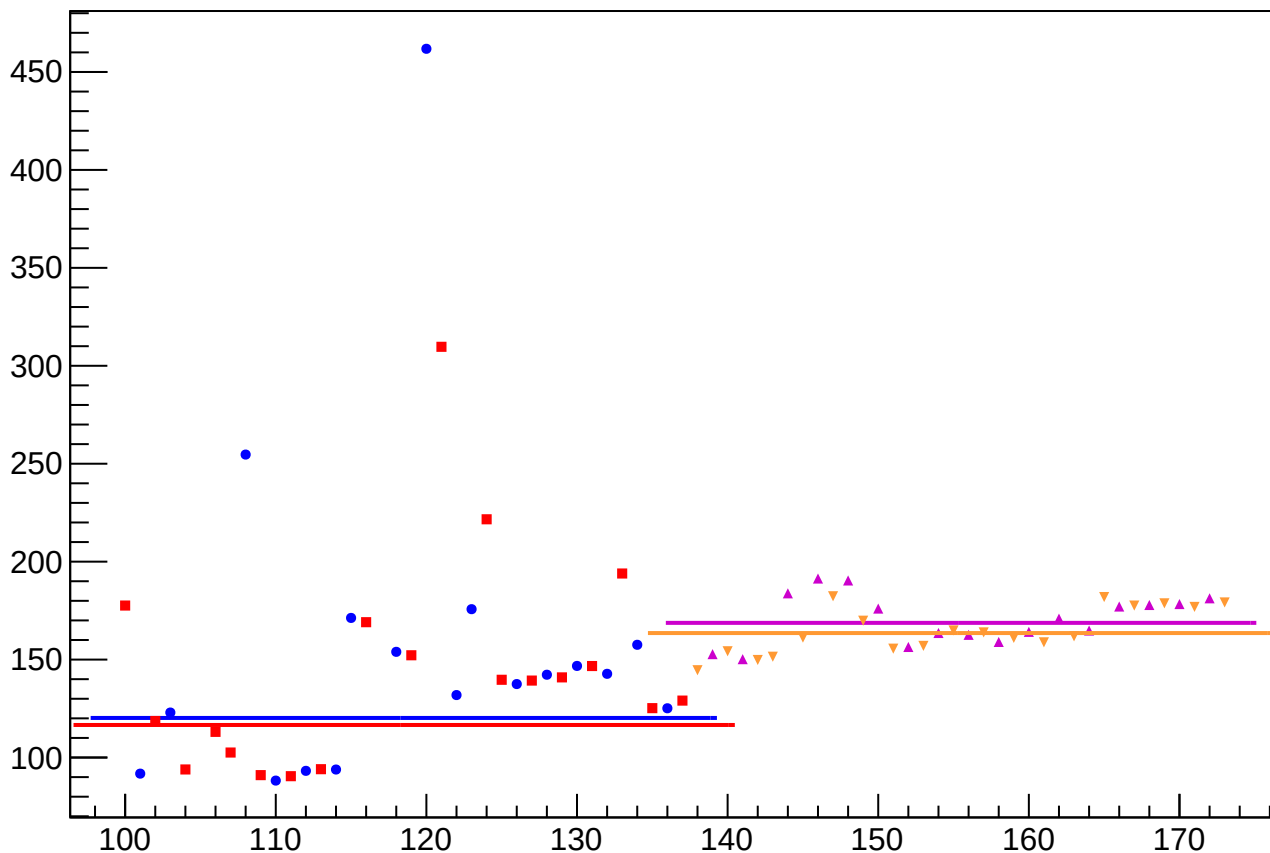
Right: -20.281 ± 33.200 χ^2/NDF : 34.6/35

In: 172.273 ± 33.480 χ^2/NDF : 70.6/33

Out: 162.419 ± 31.466 χ^2/NDF : 56.6/37

All: 167.041 ± 22.929 χ^2/NDF : 127.3/71

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.207 $\pm$ 0.034 χ^2 /NDF: 1062326.6/16

Left Out: 163.546 $\pm$ 0.031 χ^2 /NDF:128218.6/18

Right Out: 116.618 $\pm$ 0.032 χ^2 /NDF: 997956.6/18

Left In: 168.751 $\pm$ 0.033 χ^2 /NDF:141861.5/16

Left: 165.983 $\pm$ 0.022 χ^2 /NDF: 283501.2/35

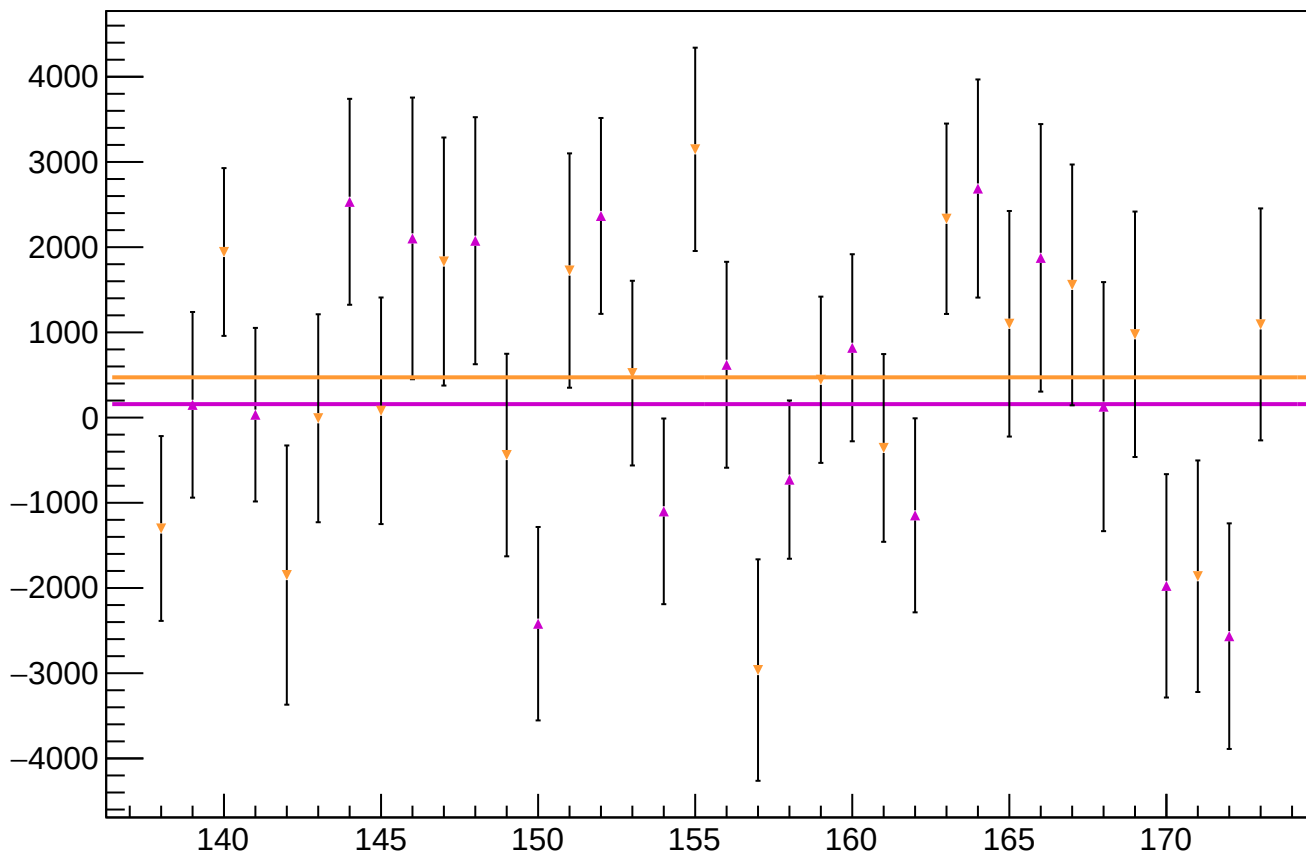
Right: 118.304 $\pm$ 0.023 χ^2 /NDF: 2066104.2/35

In: 145.552 $\pm$ 0.024 χ^2 /NDF:2253302.6/33

Out: 141.201 $\pm$ 0.022 χ^2 /NDF:2235778.8/37

All: 143.242 $\pm$ 0.016 χ^2 /NDF: 4507024.0/71

asym_sam6_correction_mean vs Slug, Sign Corrected



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

Left Out: 472.634+/-280.431 χ^2/NDF :29.2/18

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

Left In: 157.957+/-291.234 χ^2/NDF :31.9/16

Left: 321.240+/-202.006 χ^2/NDF : 61.7/35

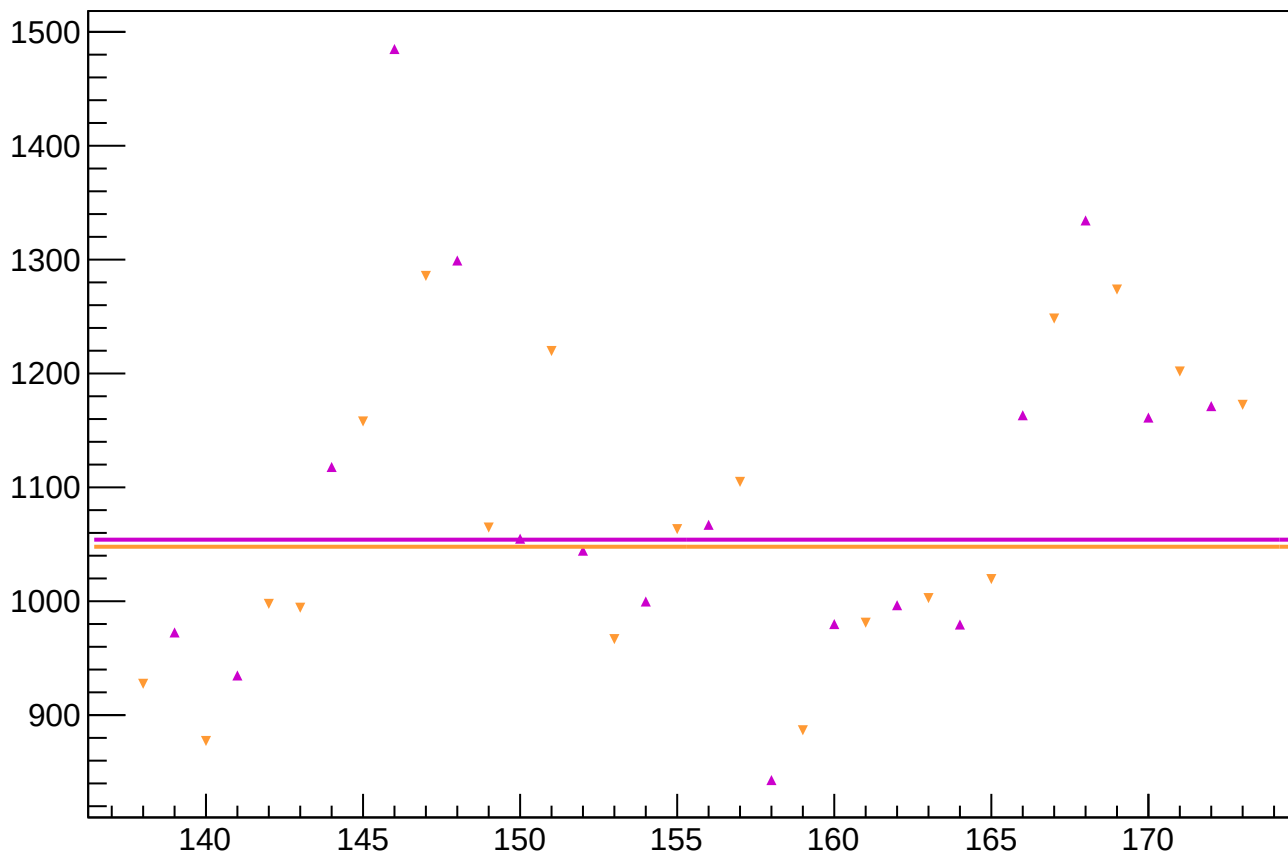
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 157.957+/-291.234 χ^2/NDF :31.9/16

Out: 472.634+/-280.431 χ^2/NDF :29.2/18

All: 321.240+/-202.006 χ^2/NDF : 61.7/35

asym_sam6_correction_rms vs Slug, Sign Corrected



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

Left Out: 1047.858+/-0.198 χ^2/NDF : 402744.0/18

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

Left In: 1054.072+/-0.206 χ^2/NDF : 479317.7/16

Left: 1050.848+/-0.143 χ^2/NDF : 882534.1/35

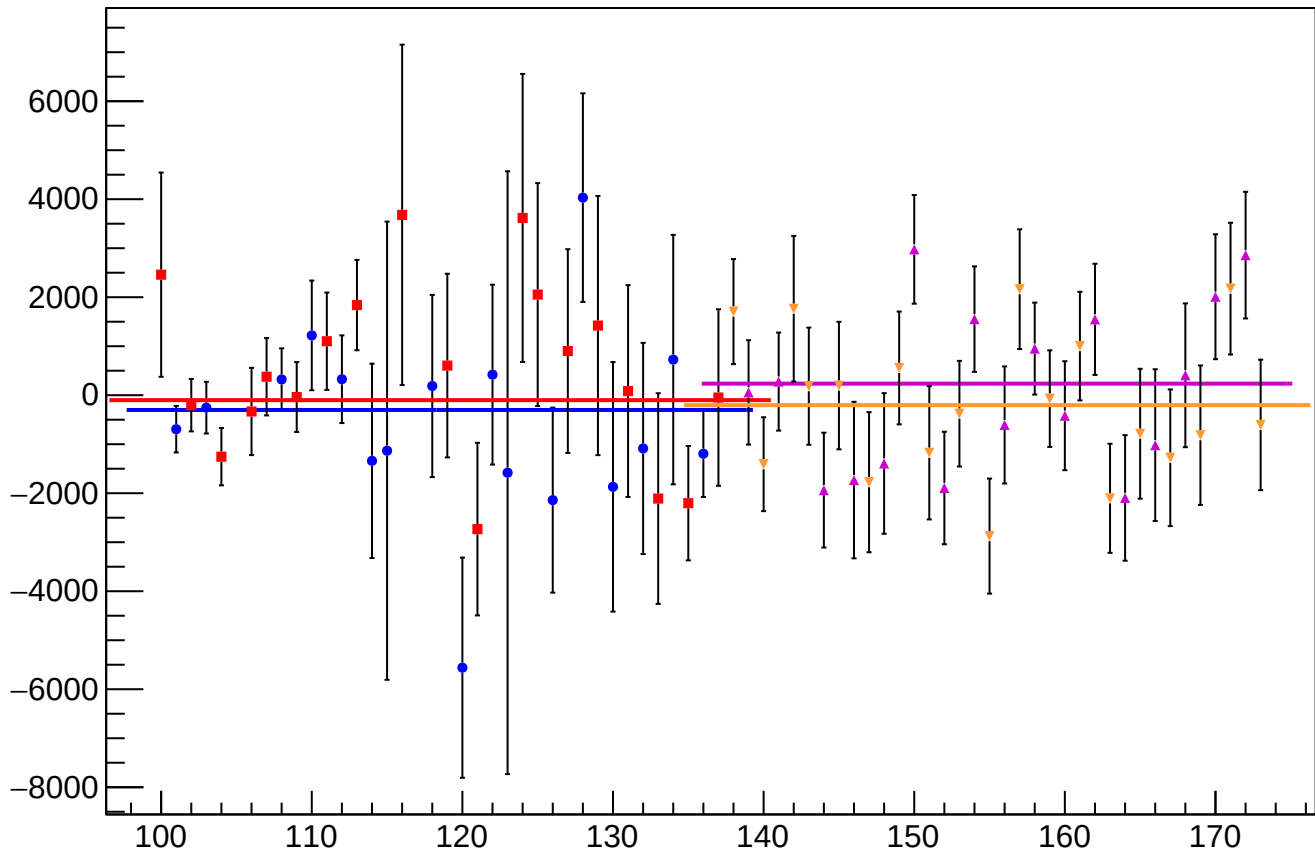
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1054.072+/-0.206 χ^2/NDF : 479317.7/16

Out: 1047.858+/-0.198 χ^2/NDF : 402744.0/18

All: 1050.848+/-0.143 χ^2/NDF : 882534.1/35

asym_sam6_mean vs Slug, Sign Corrected



Right In: -301.000 $\pm$ 250.042 χ^2 /NDF: 16.8/16

Left Out: -202.103 $\pm$ 276.401 χ^2 /NDF: 26.1/18

Right Out: -100.857 $\pm$ 245.981 χ^2 /NDF: 22.5/18

Left In: 236.230 $\pm$ 288.045 χ^2 /NDF: 30.1/16

Left: 8.025 $\pm$ 199.434 χ^2 /NDF: 57.5/35

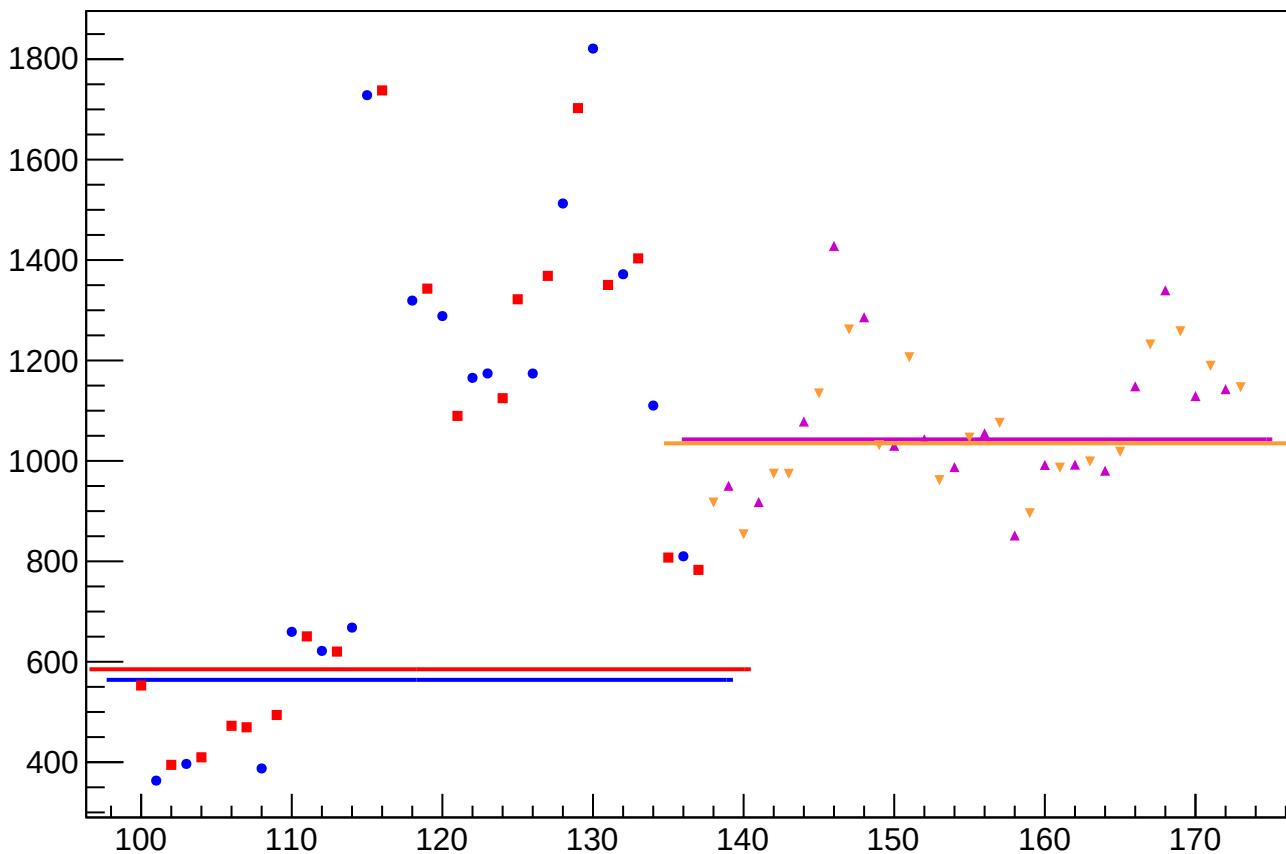
Right: -199.290 $\pm$ 175.353 χ^2 /NDF: 39.7/35

In: -70.138 $\pm$ 188.823 χ^2 /NDF: 49.0/33

Out: -145.604 $\pm$ 183.752 χ^2 /NDF: 48.7/37

All: -108.898 $\pm$ 131.689 χ^2 /NDF: 97.8/71

asym_sam6_rms vs Slug, Sign Corrected



Right In: 564.003 ± 0.177 χ^2/NDF : 3261491.3/16

Left Out: 1034.974 ± 0.195 χ^2/NDF : 385313.9/18

Right Out: 585.070 ± 0.174 χ^2/NDF : 2820837.8/18

Left In: 1042.824 ± 0.204 χ^2/NDF : 435957.4/16

Left: 1038.737 ± 0.141 χ^2/NDF : 822044.6/35

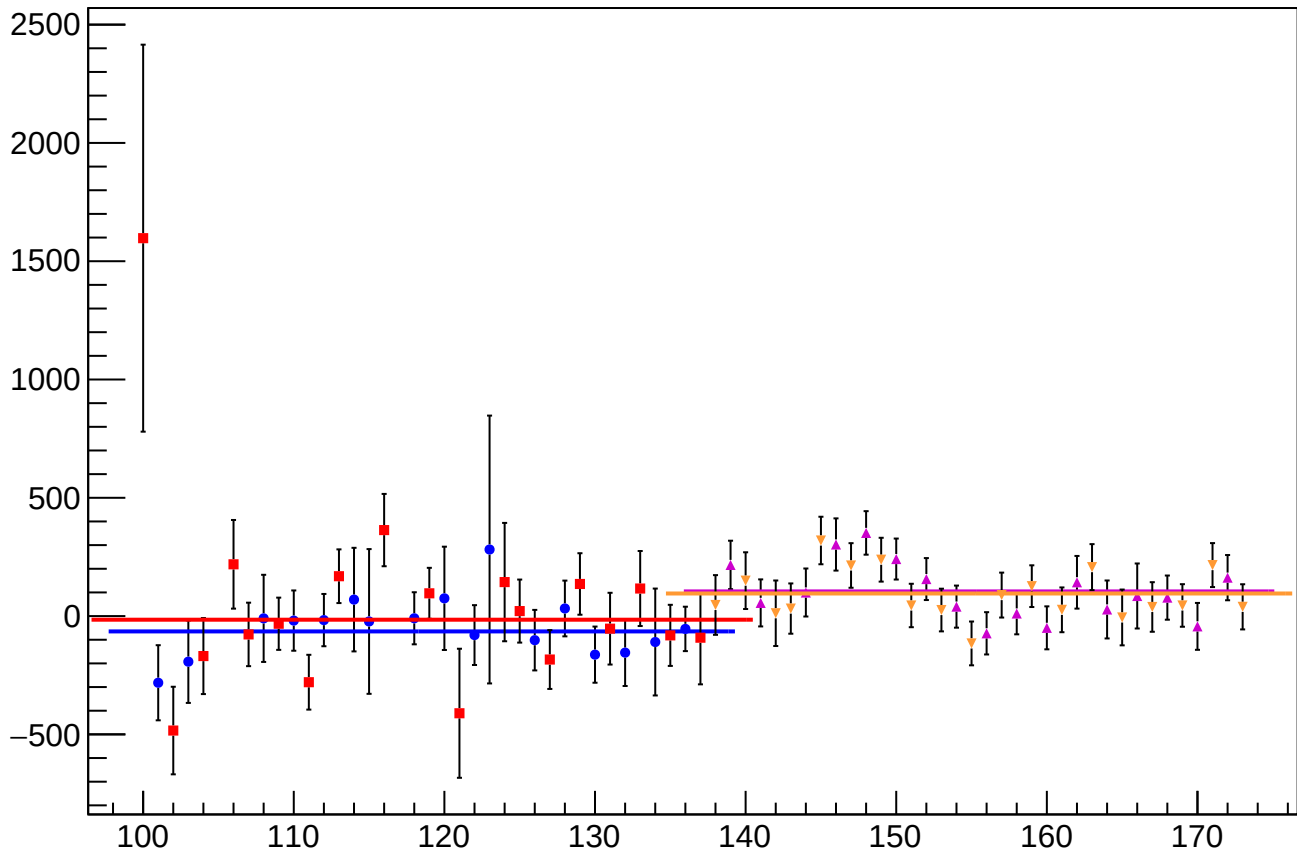
Right: 574.709 ± 0.124 χ^2/NDF : 6089543.5/35

In: 769.765 ± 0.134 χ^2/NDF : 6849108.7/33

Out: 783.911 ± 0.130 χ^2/NDF : 6163171.5/37

All: 777.030 ± 0.093 χ^2/NDF : 13018045.4/73

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -64.797 $\pm$ 34.629 χ^2/NDF : 6.2/16

Left Out: 95.490 $\pm$ 22.770 χ^2/NDF :21.5/18

Right Out: -15.294 $\pm$ 33.422 χ^2/NDF : 35.0/18

Left In: 104.313 $\pm$ 23.686 χ^2/NDF :26.4/16

Left: 99.728 $\pm$ 16.415 χ^2/NDF : 47.9/35

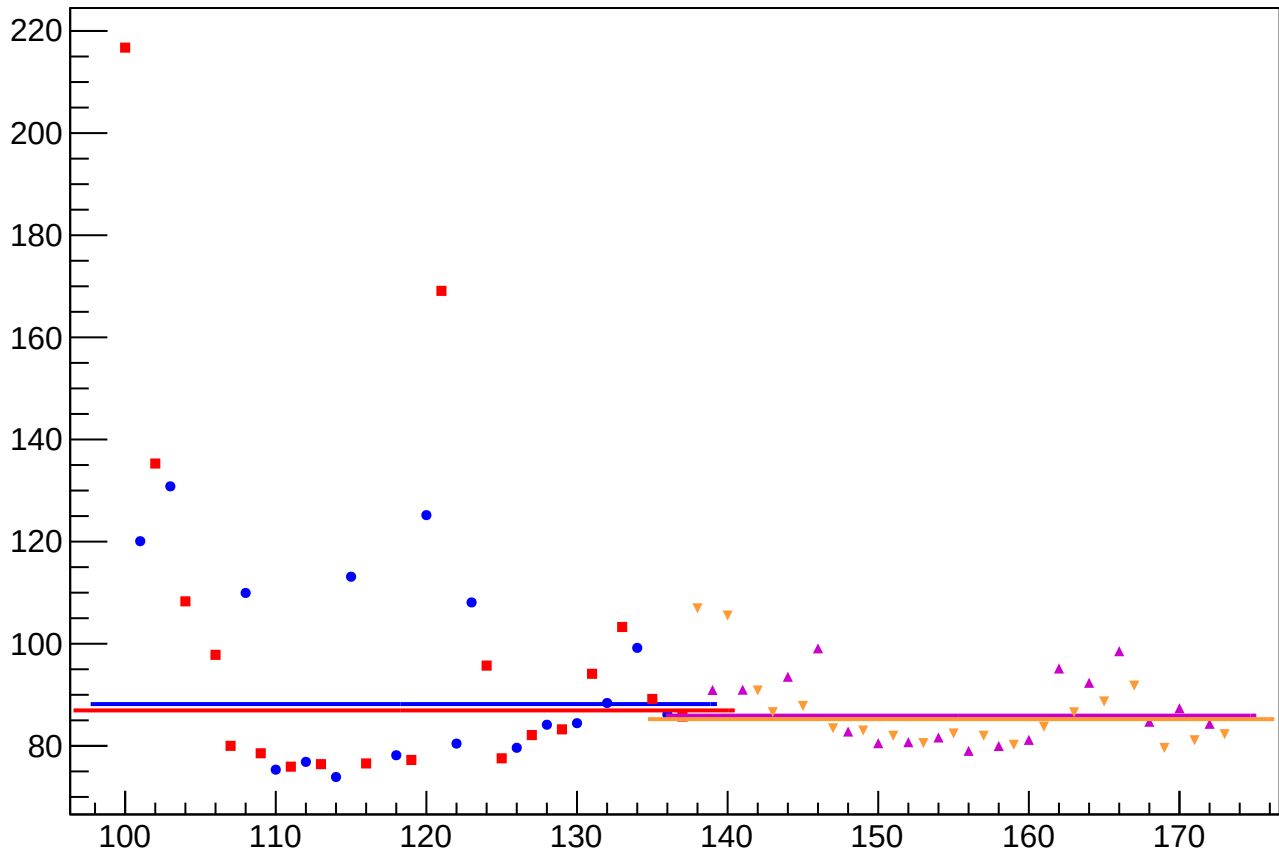
Right: -39.167 $\pm$ 24.048 χ^2/NDF : 42.2/35

In: 50.414 $\pm$ 19.550 χ^2/NDF :48.8/33

Out: 60.370 $\pm$ 18.818 χ^2/NDF :63.9/37

All: 55.582 $\pm$ 13.558 χ^2/NDF : 112.9/71

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 88.186 $\pm$ 0.024 χ^2 /NDF: 394447.7/16

Left Out: 85.236 $\pm$ 0.016 χ^2 /NDF:166096.2/18

Right Out: 86.943 $\pm$ 0.024 χ^2 /NDF: 531359.9/18

Left In: 85.923 $\pm$ 0.017 χ^2 /NDF:135303.0/16

Left: 85.566 $\pm$ 0.012 χ^2 /NDF: 302272.6/35

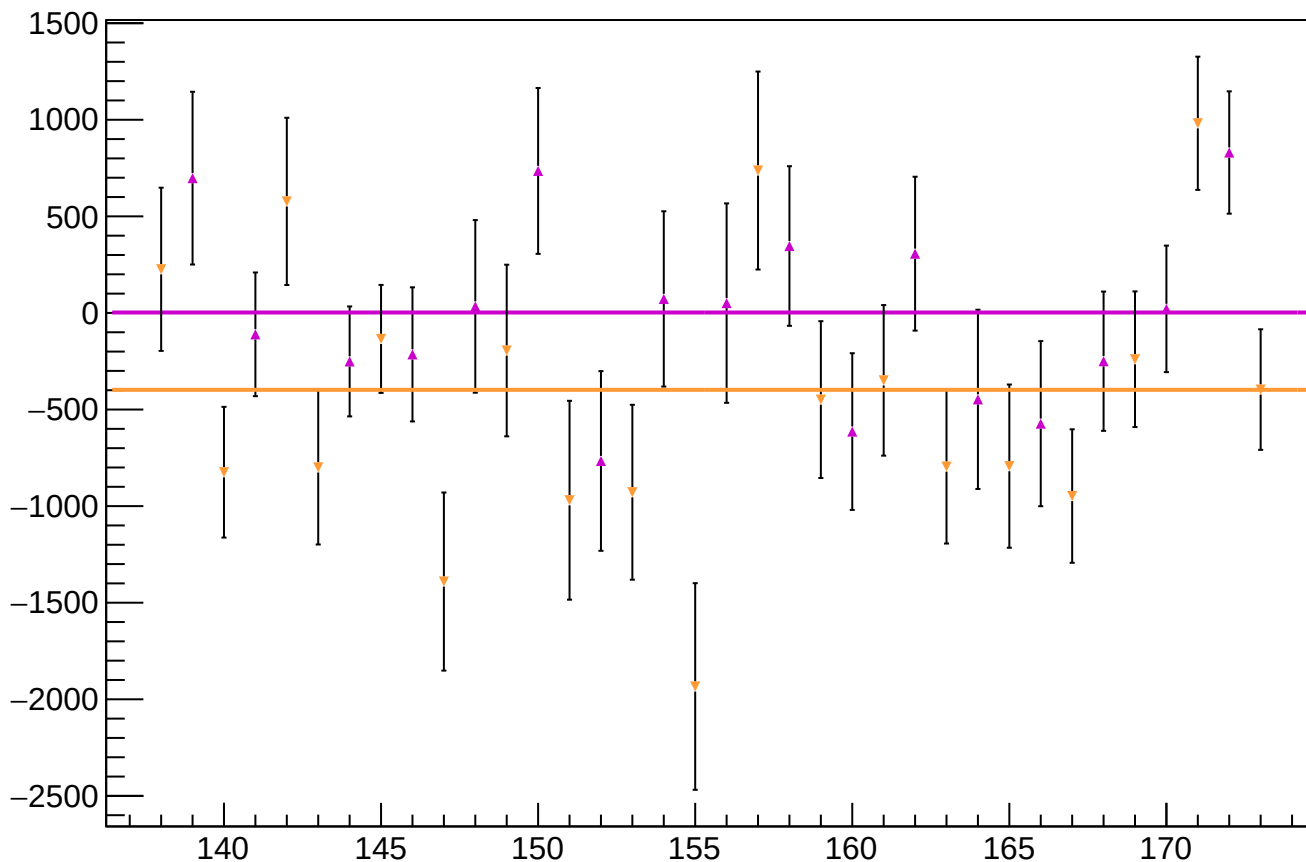
Right: 87.542 $\pm$ 0.017 χ^2 /NDF: 927142.1/35

In: 86.644 $\pm$ 0.014 χ^2 /NDF:535571.6/33

Out: 85.777 $\pm$ 0.013 χ^2 /NDF:701018.5/37

All: 86.194 $\pm$ 0.010 χ^2 /NDF: 1238631.4/71

asym_sam7_correction_mean vs Slug, Sign Corrected



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

Left Out: -397.969 $\pm$ 89.726 χ^2 /NDF:52.0/18

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

Left In: 2.286 $\pm$ 93.482 χ^2 /NDF:23.1/16

Left: -206.044 $\pm$ 64.733 χ^2 /NDF: 84.6/35

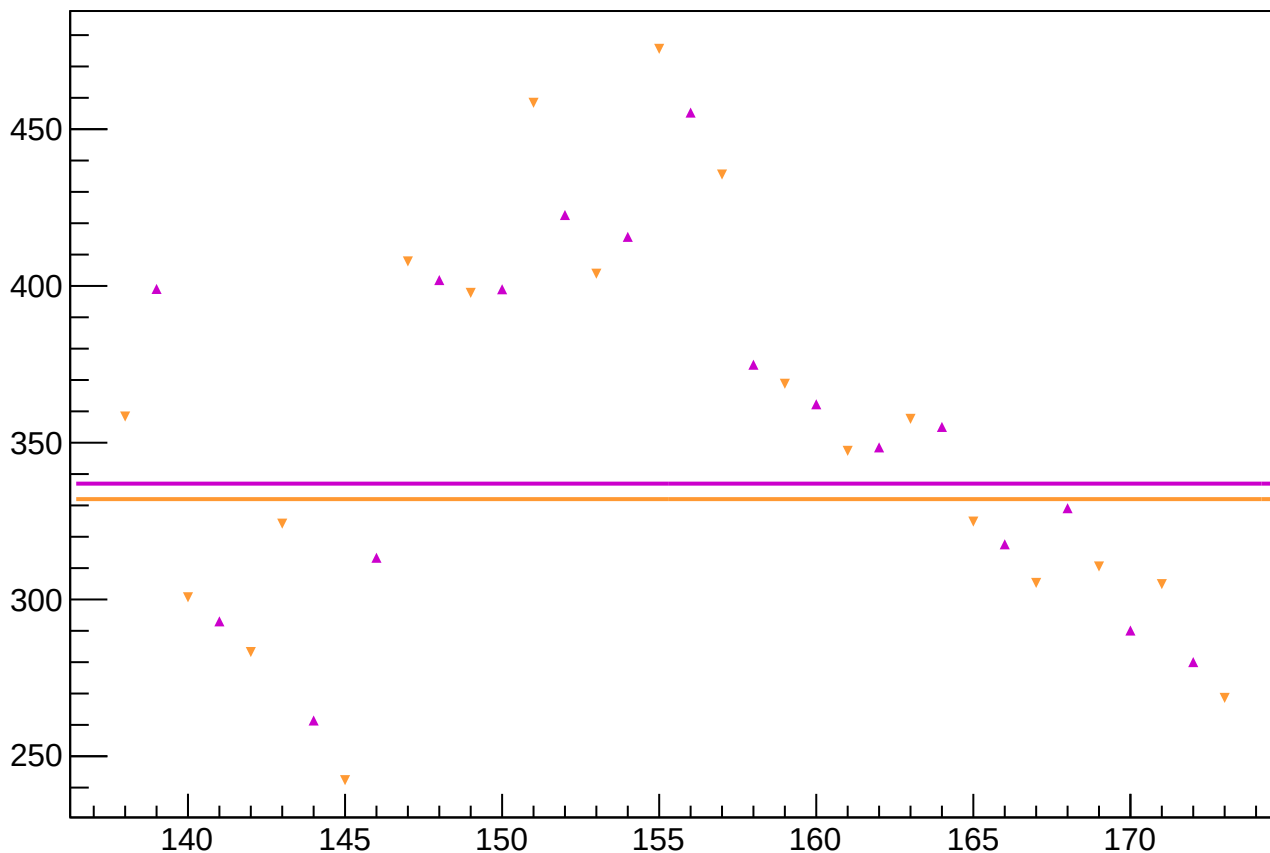
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 2.286 $\pm$ 93.482 χ^2 /NDF:23.1/16

Out: -397.969 $\pm$ 89.726 χ^2 /NDF:52.0/18

All: -206.044 $\pm$ 64.733 χ^2 /NDF: 84.6/35

asym_sam7_correction_rms vs Slug, Sign Corrected



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

Left Out: 332.006+/-0.063 χ^2/NDF : 894346.6/18

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

Left In: 336.946+/-0.066 χ^2/NDF : 683561.7/16

Left: 334.375+/-0.046 χ^2/NDF : 1580815.0/35

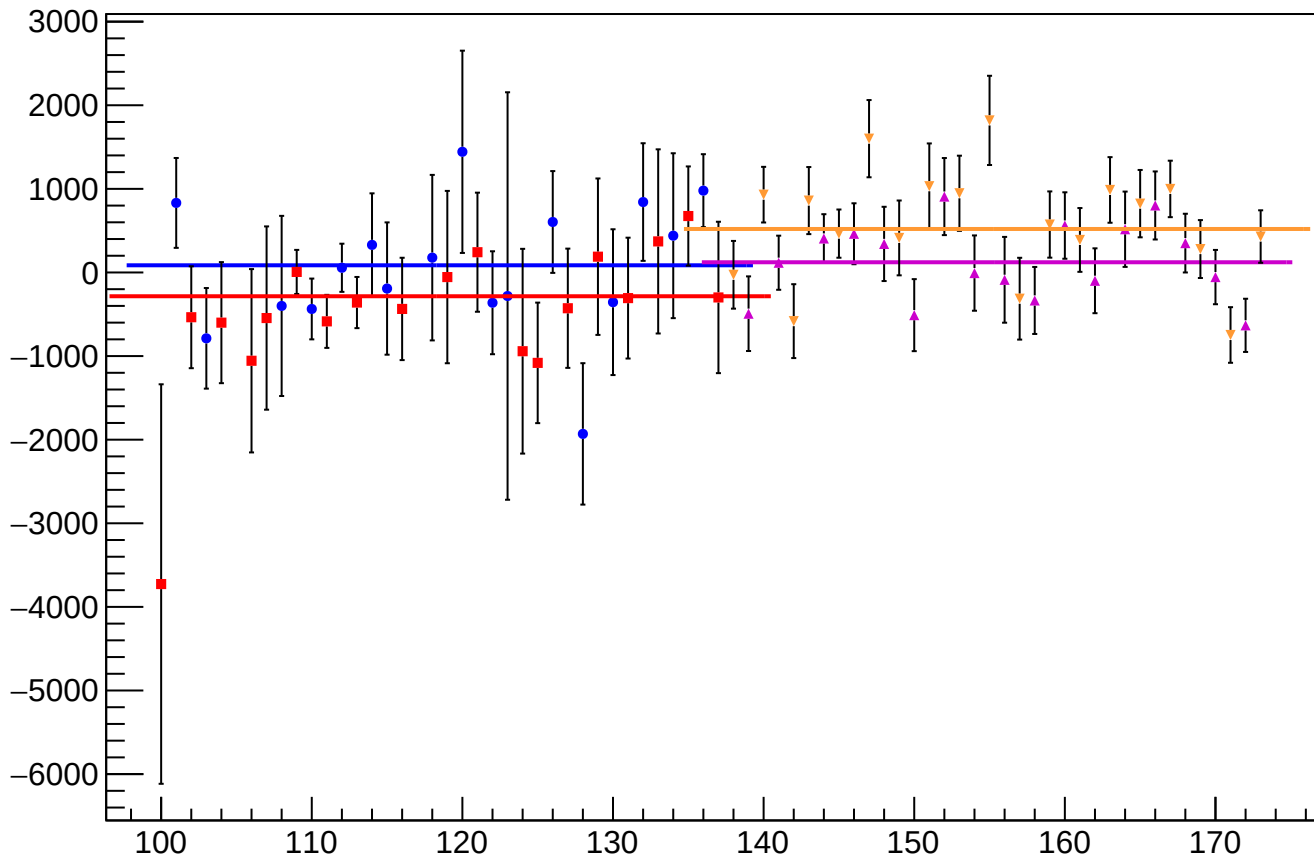
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 336.946+/-0.066 χ^2/NDF : 683561.7/16

Out: 332.006+/-0.063 χ^2/NDF : 894346.6/18

All: 334.375+/-0.046 χ^2/NDF : 1580815.0/35

asym_sam7_mean vs Slug, Sign Corrected



Right In: 85.810 $\pm$ 142.601 χ^2/NDF : 20.6/16

Left Out: 520.169 $\pm$ 88.794 χ^2/NDF : 45.8/18

Right Out: -284.456 $\pm$ 129.599 χ^2/NDF : 10.6/18

Left In: 122.028 $\pm$ 93.059 χ^2/NDF : 22.0/16

Left: 330.432 $\pm$ 64.242 χ^2/NDF : 77.4/35

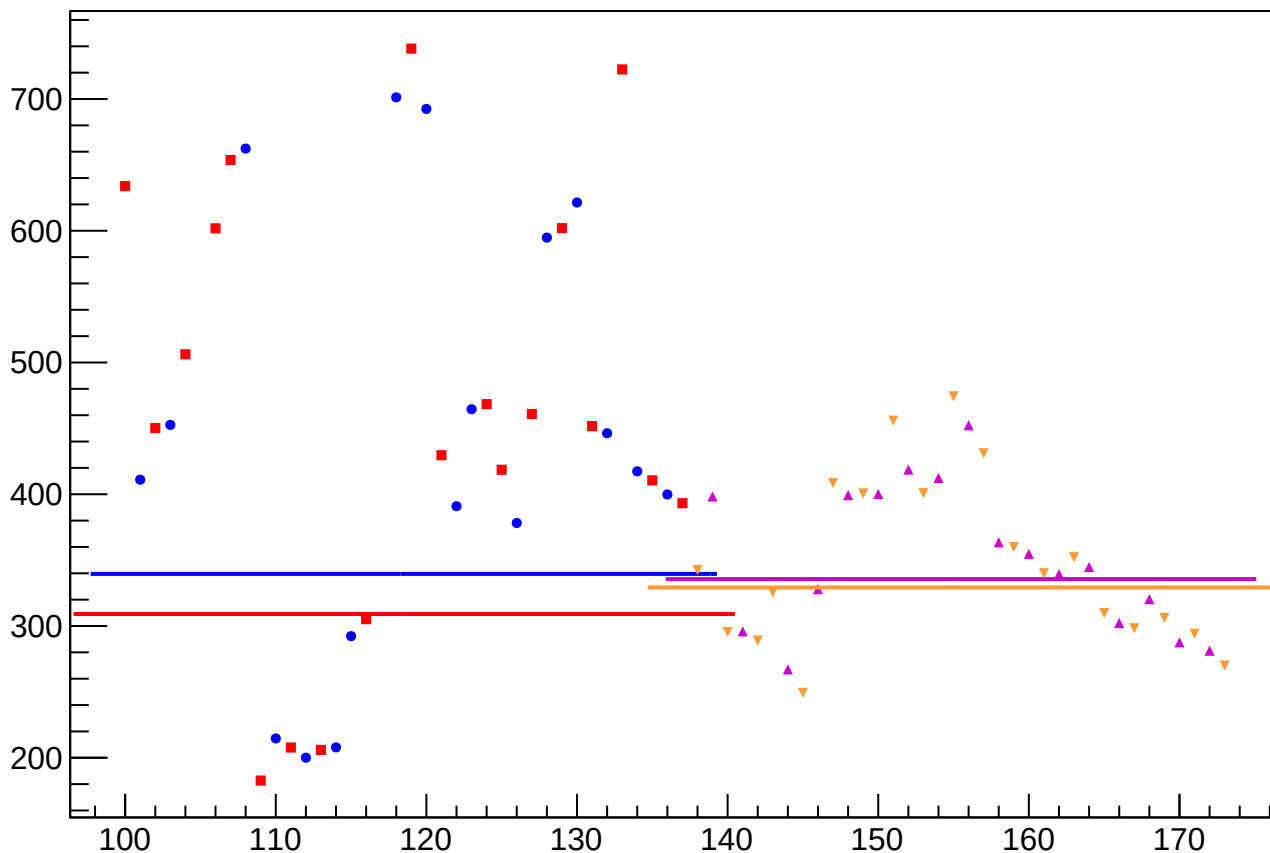
Right: -116.969 $\pm$ 95.908 χ^2/NDF : 34.9/35

In: 111.210 $\pm$ 77.933 χ^2/NDF : 42.6/33

Out: 263.124 $\pm$ 73.250 χ^2/NDF : 82.6/37

All: 191.868 $\pm$ 53.374 χ^2/NDF : 127.3/71

asym_sam7_rms vs Slug, Sign Corrected



Right In: 339.553 $\pm$ 0.101 χ^2 /NDF: 2042244.1/16

Left Out: 329.232 $\pm$ 0.063 χ^2 /NDF: 855675.5/18

Right Out: 309.105 $\pm$ 0.092 χ^2 /NDF: 2730308.7/18

Left In: 335.625 $\pm$ 0.066 χ^2 /NDF: 628917.4/16

Left: 332.279 $\pm$ 0.045 χ^2 /NDF: 1489534.7/35

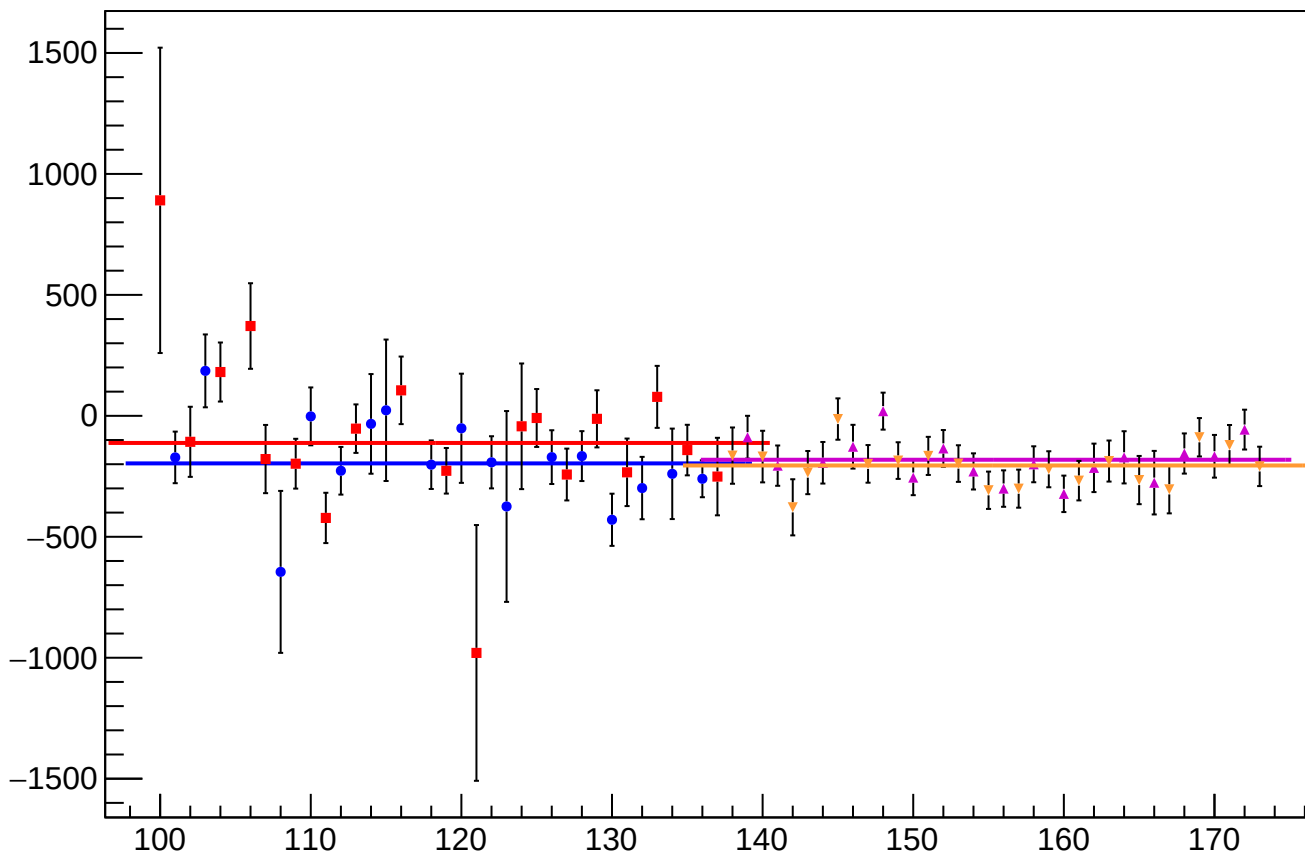
Right: 322.878 $\pm$ 0.068 χ^2 /NDF: 4822487.1/35

In: 336.798 $\pm$ 0.055 χ^2 /NDF: 2672225.2/33

Out: 322.802 $\pm$ 0.052 χ^2 /NDF: 3618810.6/37

All: 329.367 $\pm$ 0.038 χ^2 /NDF: 6325286.3/71

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -196.599 $\pm$ 30.399 χ^2 /NDF: 19.0/16

Left Out: -205.193 $\pm$ 19.500 χ^2 /NDF:16.4/18

Right Out: -112.097 $\pm$ 29.622 χ^2 /NDF: 39.3/18

Left In: -181.538 $\pm$ 20.247 χ^2 /NDF:19.4/16

Left: -193.809 $\pm$ 14.045 χ^2 /NDF: 36.6/35

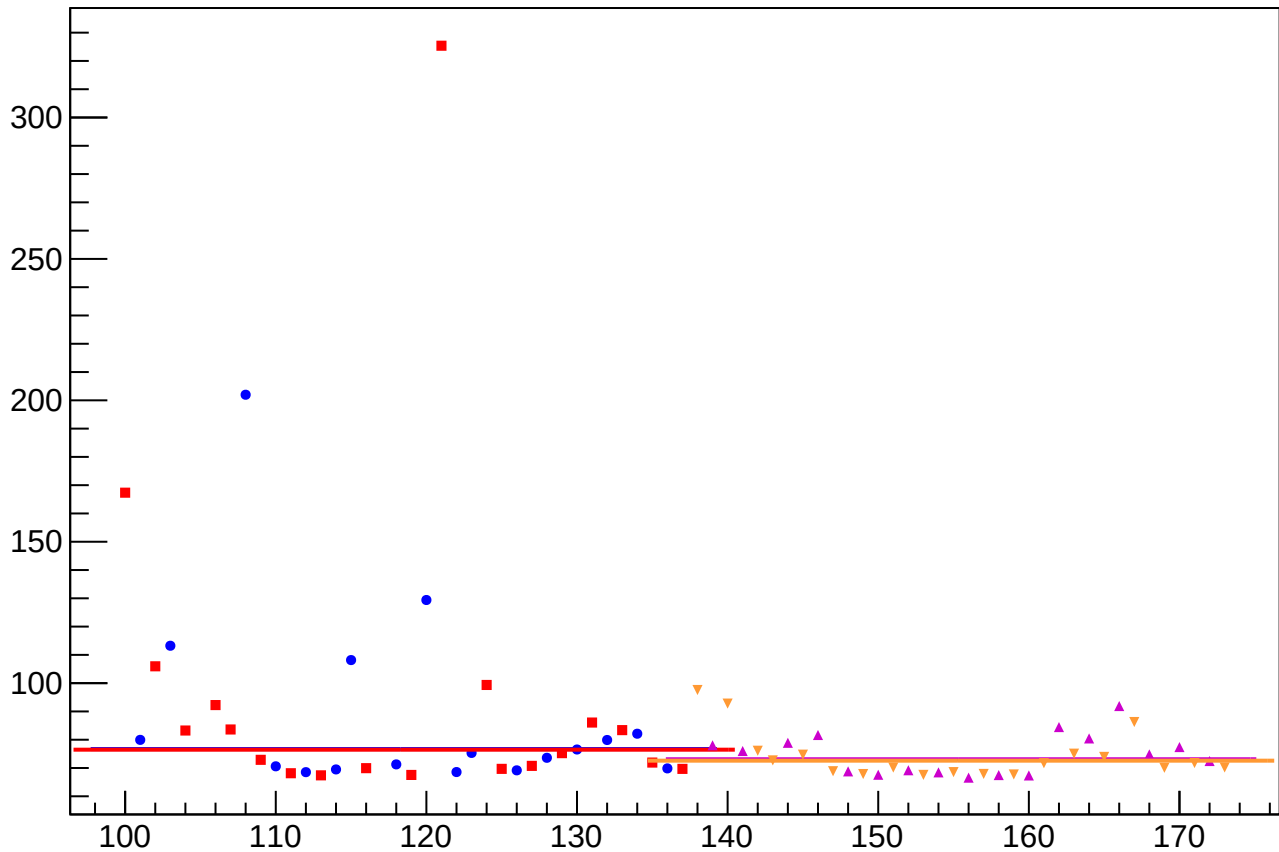
Right: -153.254 $\pm$ 21.215 χ^2 /NDF: 62.3/35

In: -186.166 $\pm$ 16.851 χ^2 /NDF:38.6/33

Out: -177.046 $\pm$ 16.288 χ^2 /NDF:62.7/37

All: -181.451 $\pm$ 11.711 χ^2 /NDF: 101.4/71

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 76.692 $\pm$ 0.021 χ^2 /NDF: 600348.1/16

Left Out: 72.595 $\pm$ 0.014 χ^2 /NDF: 255374.2/18

Right Out: 76.479 $\pm$ 0.021 χ^2 /NDF: 699361.8/18

Left In: 73.101 $\pm$ 0.014 χ^2 /NDF: 186080.8/16

Left: 72.839 $\pm$ 0.010 χ^2 /NDF: 442104.6/35

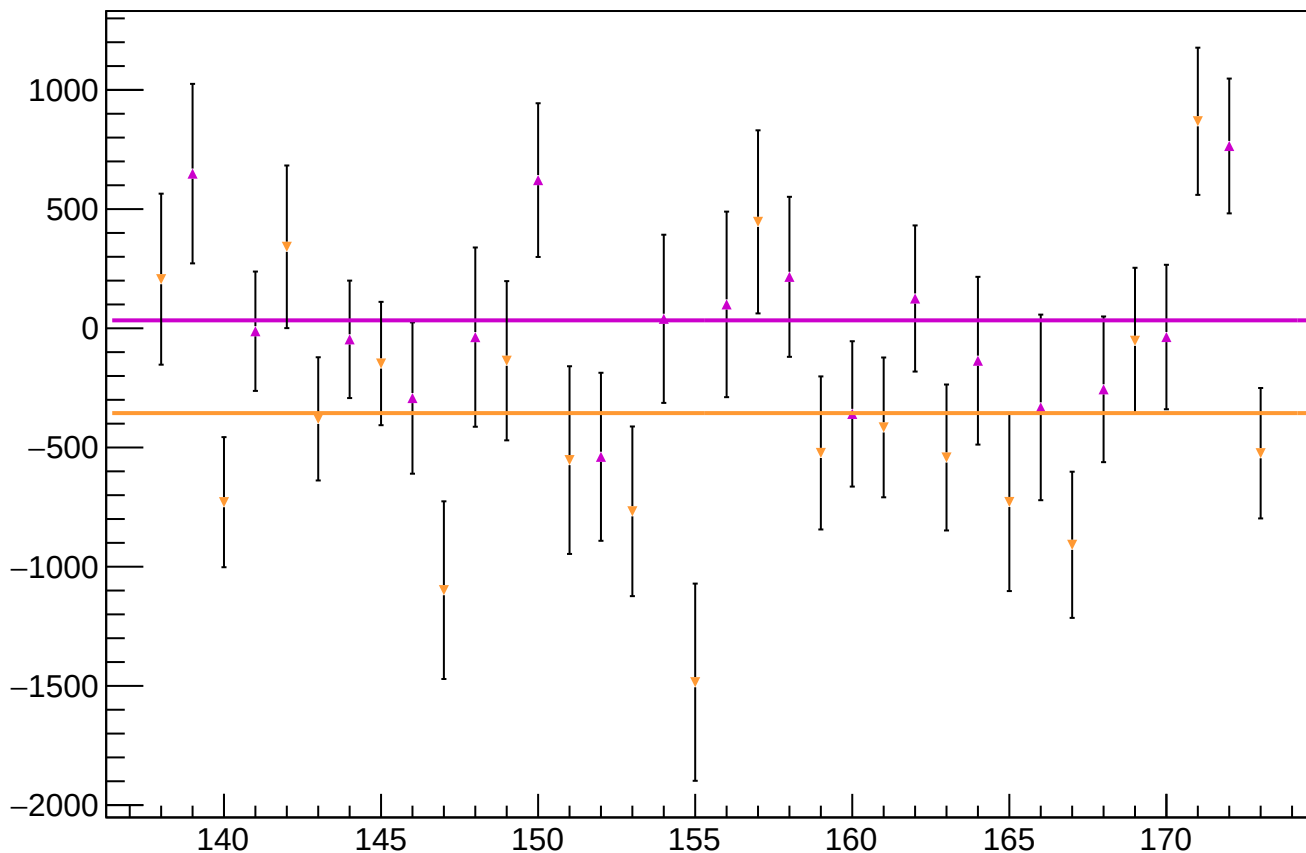
Right: 76.583 $\pm$ 0.015 χ^2 /NDF: 1299760.4/35

In: 74.205 $\pm$ 0.012 χ^2 /NDF: 805758.3/33

Out: 73.769 $\pm$ 0.012 χ^2 /NDF: 978725.1/37

All: 73.980 $\pm$ 0.008 χ^2 /NDF: 1785174.4/71

asym_sam8_correction_mean vs Slug, Sign Corrected



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

Left Out: -355.695+/-73.092 χ^2/NDF :49.0/18

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

Left In: 33.349+/-77.180 χ^2/NDF :20.7/16

Left: -171.747+/-53.070 χ^2/NDF : 83.1/35

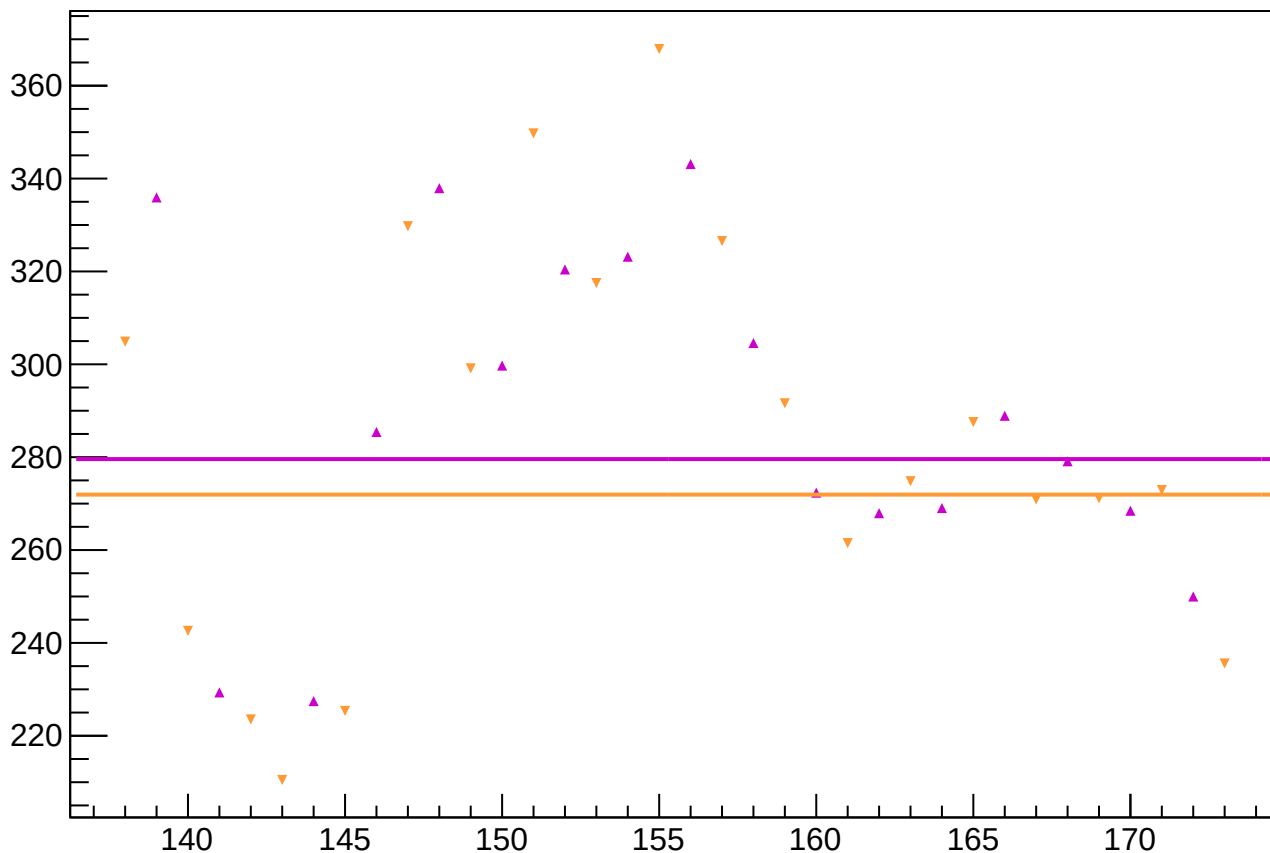
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 33.349+/-77.180 χ^2/NDF :20.7/16

Out: -355.695+/-73.092 χ^2/NDF :49.0/18

All: -171.747+/-53.070 χ^2/NDF : 83.1/35

asym_sam8_correction_rms vs Slug, Sign Corrected



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

Left Out: 271.935+/-0.052 χ^2/NDF :627683.5/18

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

Left In: 279.590+/-0.055 χ^2/NDF :424962.5/16

Left: 275.555+/-0.038 χ^2/NDF : 1063017.0/35

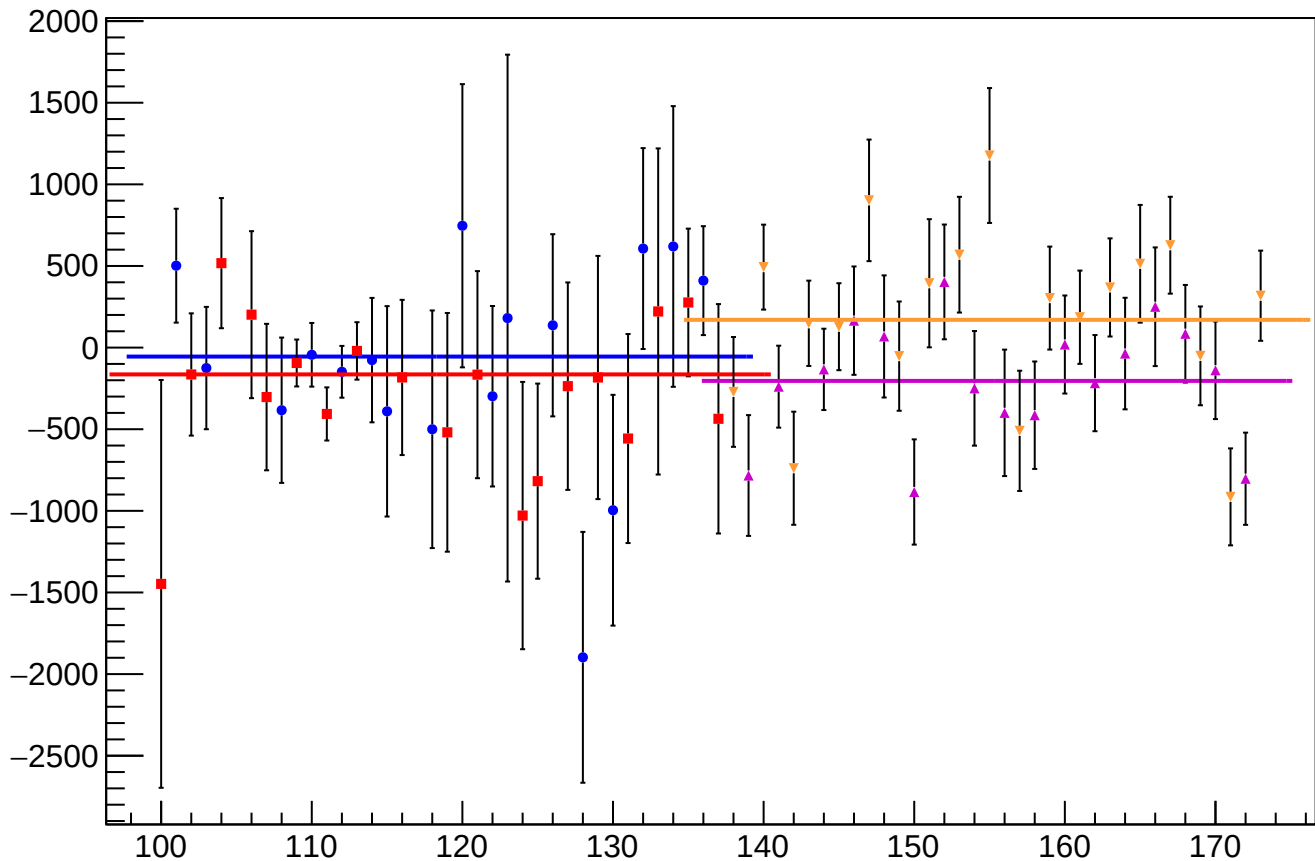
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 279.590+/-0.055 χ^2/NDF :424962.5/16

Out: 271.935+/-0.052 χ^2/NDF :627683.5/18

All: 275.555+/-0.038 χ^2/NDF : 1063017.0/35

asym_sam8_mean vs Slug, Sign Corrected



Right In: -54.933 ± 90.355 χ^2/NDF : 16.5/16

Left Out: 170.104 ± 72.112 χ^2/NDF : 43.5/18

Right Out: -164.141 ± 76.903 χ^2/NDF : 11.9/18

Left In: -203.937 ± 76.493 χ^2/NDF : 20.3/16

Left: -5.898 ± 52.471 χ^2/NDF : 76.4/35

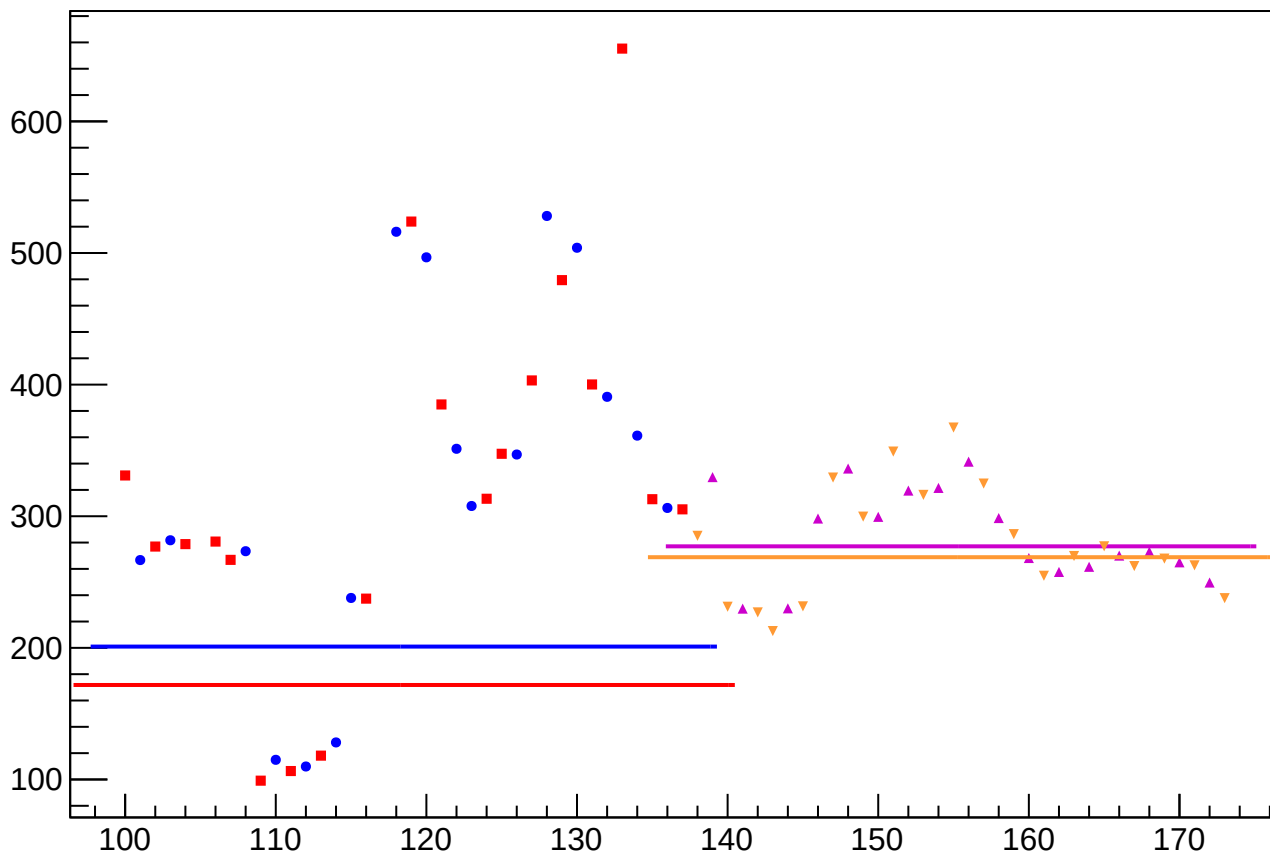
Right: -118.264 ± 58.563 χ^2/NDF : 29.3/35

In: -141.729 ± 58.382 χ^2/NDF : 38.4/33

Out: 13.717 ± 52.603 χ^2/NDF : 65.4/37

All: -55.934 ± 39.080 χ^2/NDF : 107.7/71

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.971+/-0.064 χ^2/NDF : 3436154.0/16

Left Out: 268.878+/-0.051 χ^2/NDF : 595833.3/18

Right Out: 171.794+/-0.054 χ^2/NDF : 4092634.7/18

Left In: 277.134+/-0.054 χ^2/NDF : 413527.8/16

Left: 272.763+/-0.037 χ^2/NDF : 1021698.2/35

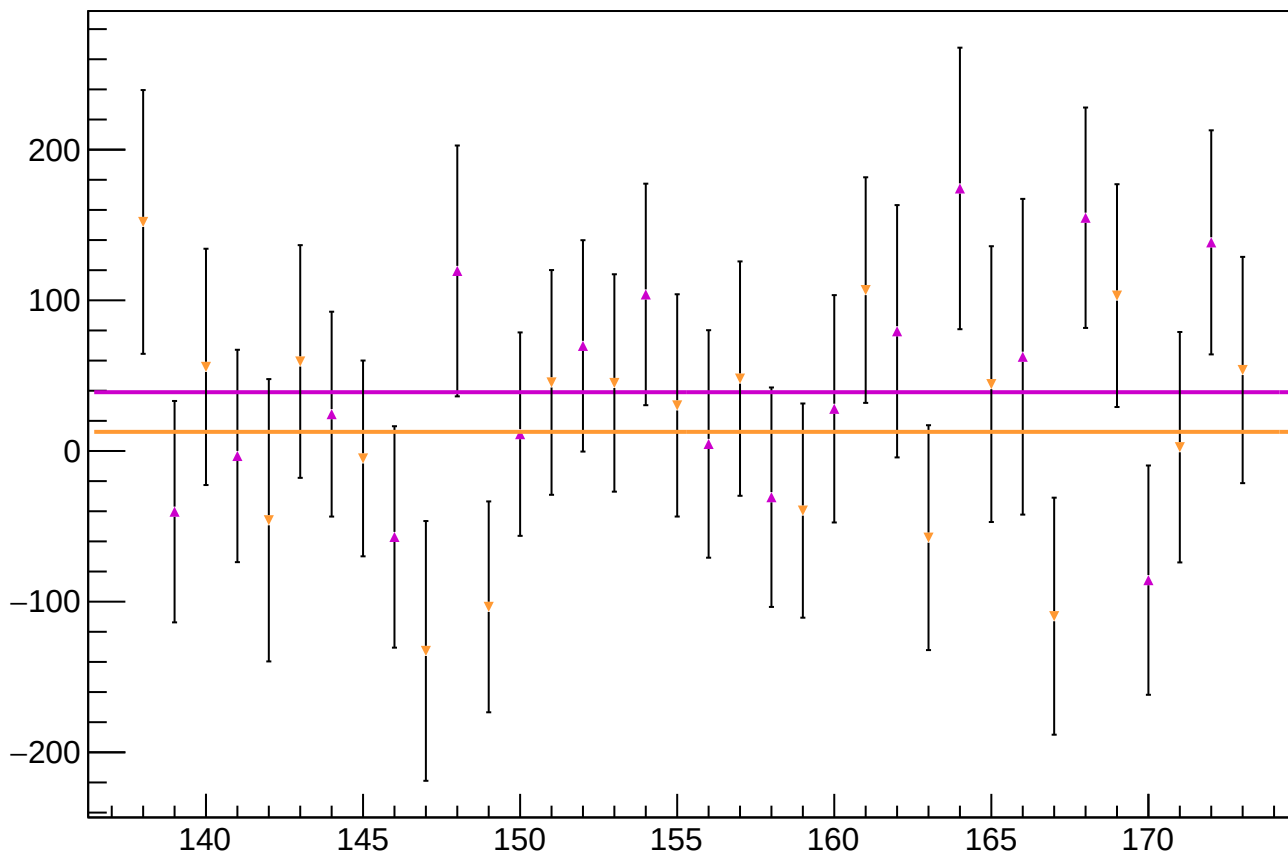
Right: 184.051+/-0.041 χ^2/NDF : 7649725.9/35

In: 245.337+/-0.041 χ^2/NDF : 4677480.0/33

Out: 223.454+/-0.037 χ^2/NDF : 6384551.9/37

All: 233.259+/-0.028 χ^2/NDF : 11217114.4/73

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: 12.702 $\pm$ 17.570 χ^2 /NDF:17.3/18

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

Left In: 39.022 $\pm$ 18.355 χ^2 /NDF:15.9/16

Left: 25.287 $\pm$ 12.692 χ^2 /NDF: 34.2/35

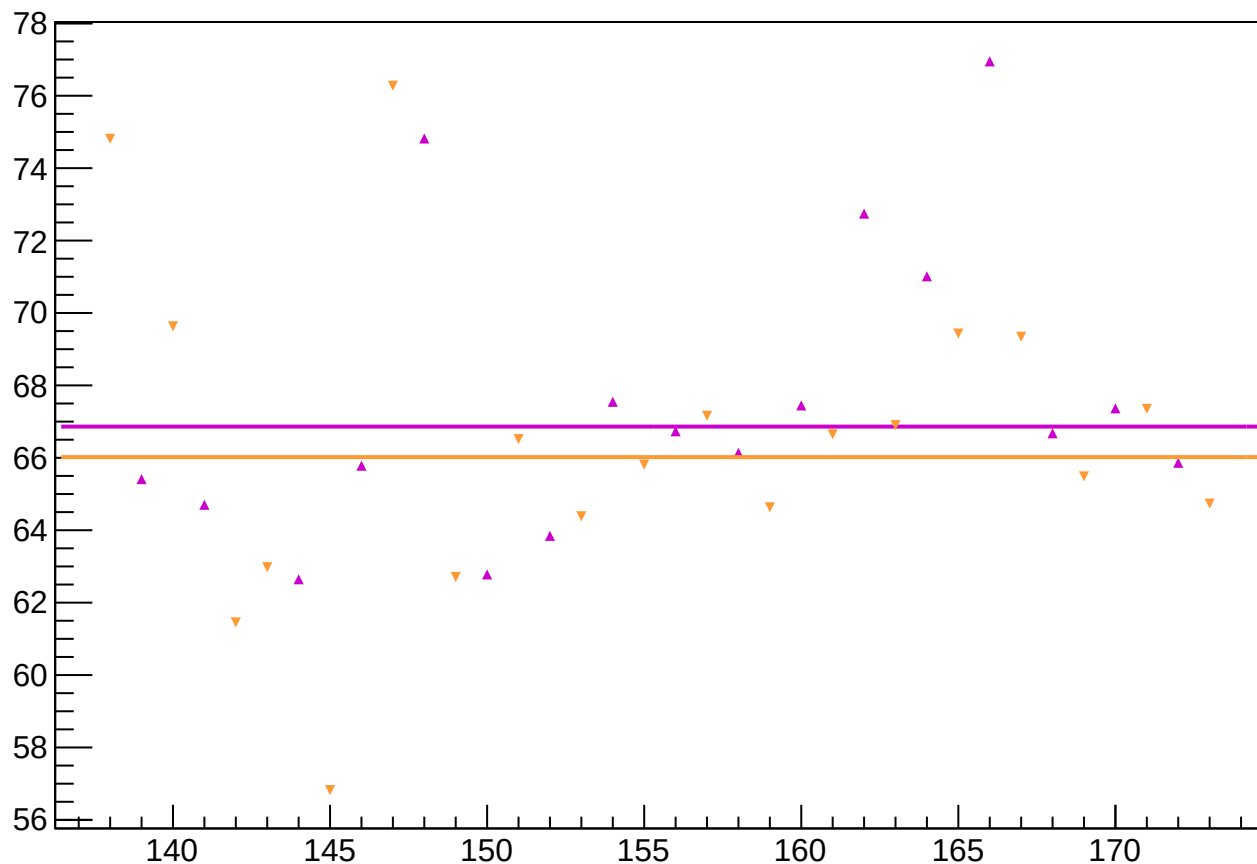
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 39.022 $\pm$ 18.355 χ^2 /NDF:15.9/16

Out: 12.702 $\pm$ 17.570 χ^2 /NDF:17.3/18

All: 25.287 $\pm$ 12.692 χ^2 /NDF: 34.2/35

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



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

Left Out: 66.019+/-0.012 χ^2 /NDF:115534.9/18

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

Left In: 66.862+/-0.013 χ^2 /NDF:73381.6/16

Left: 66.422+/-0.009 χ^2 /NDF: 191118.4/35

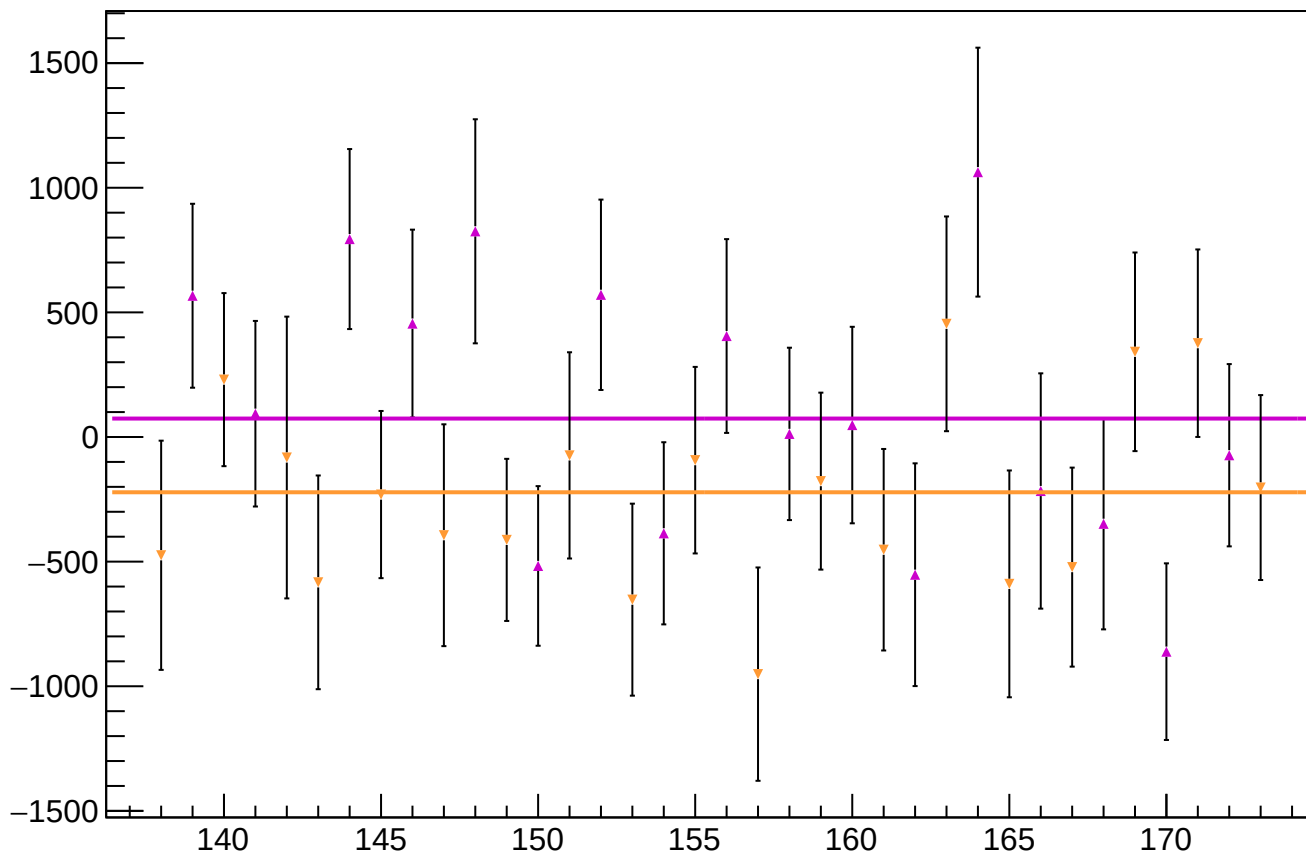
Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

In: 66.862+/-0.013 χ^2 /NDF:73381.6/16

Out: 66.019+/-0.012 χ^2 /NDF:115534.9/18

All: 66.422+/-0.009 χ^2 /NDF: 191118.4/35

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -221.730+/-90.773 χ^2/NDF :16.2/18

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

Left In: 73.992+/-93.552 χ^2/NDF :31.4/16

Left: -78.327+/-65.146 χ^2/NDF : 52.8/35

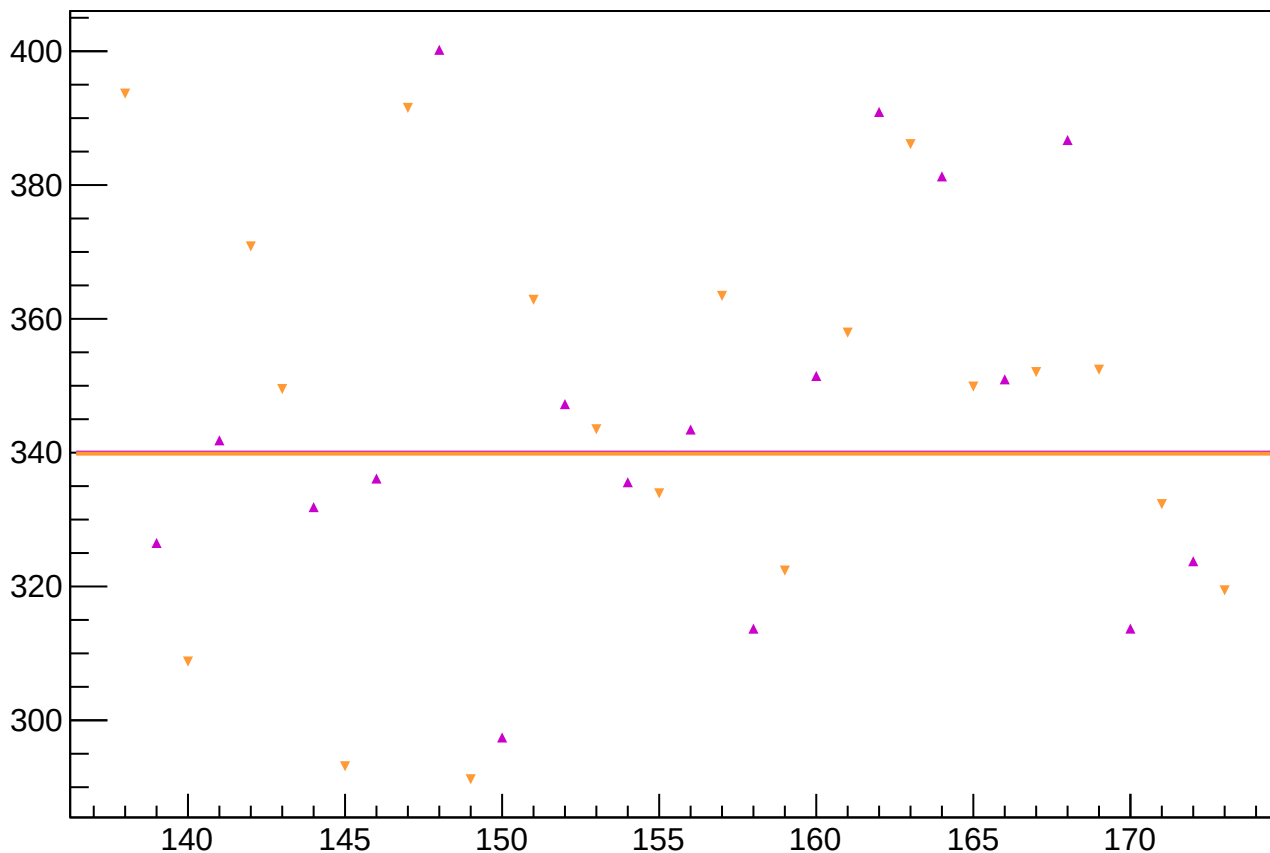
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 73.992+/-93.552 χ^2/NDF :31.4/16

Out: -221.730+/-90.773 χ^2/NDF :16.2/18

All: -78.327+/-65.146 χ^2/NDF : 52.8/35

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 339.854+/-0.064 χ^2/NDF :217561.3/18

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

Left In: 340.003+/-0.066 χ^2/NDF :169652.5/16

Left: 339.927+/-0.046 χ^2/NDF : 387216.4/35

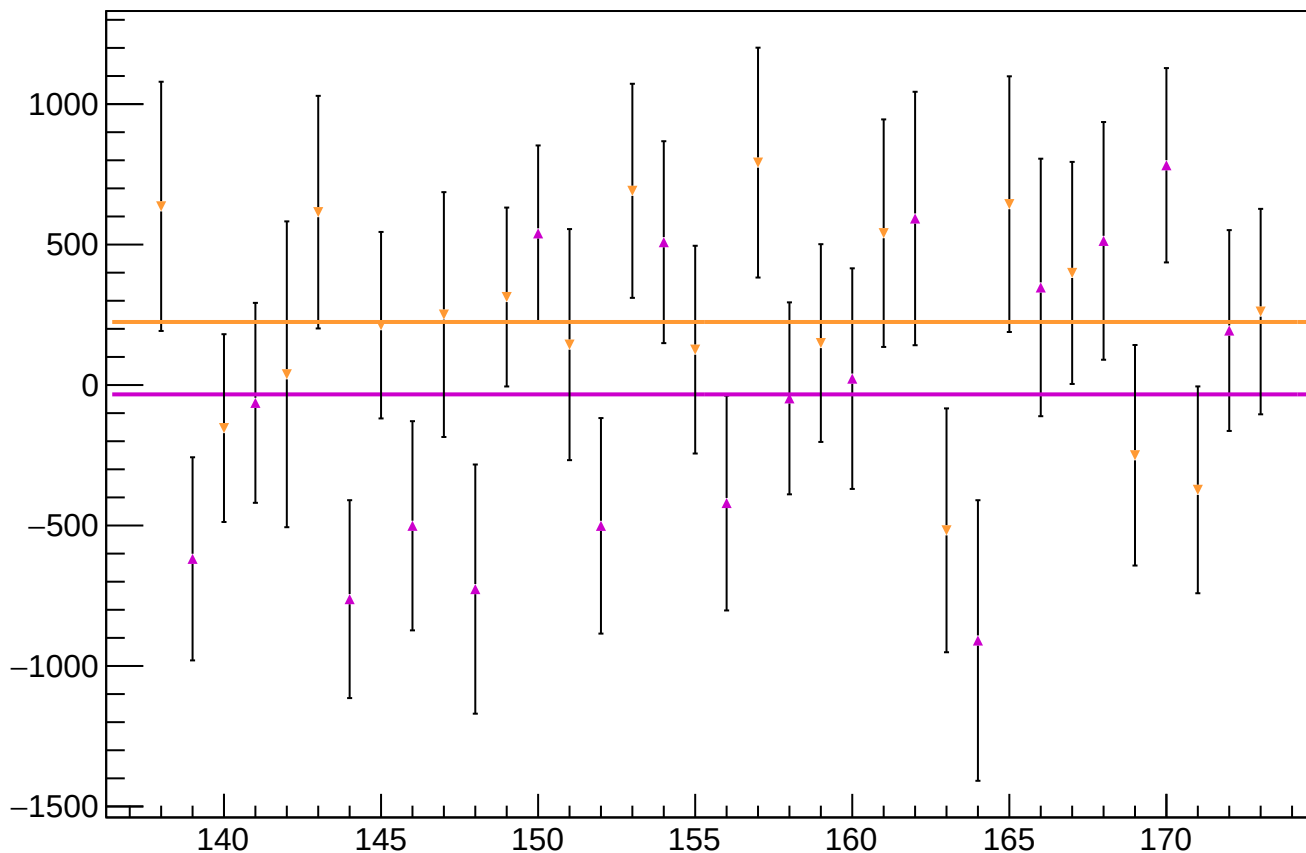
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 340.003+/-0.066 χ^2/NDF :169652.5/16

Out: 339.854+/-0.064 χ^2/NDF :217561.3/18

All: 339.927+/-0.046 χ^2/NDF : 387216.4/35

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 224.460 ± 89.229 $\chi^2/\text{NDF}: 15.5/18$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -33.244 ± 92.056 $\chi^2/\text{NDF}: 32.4/16$

Left: 99.626 ± 64.070 $\chi^2/\text{NDF}: 51.9/35$

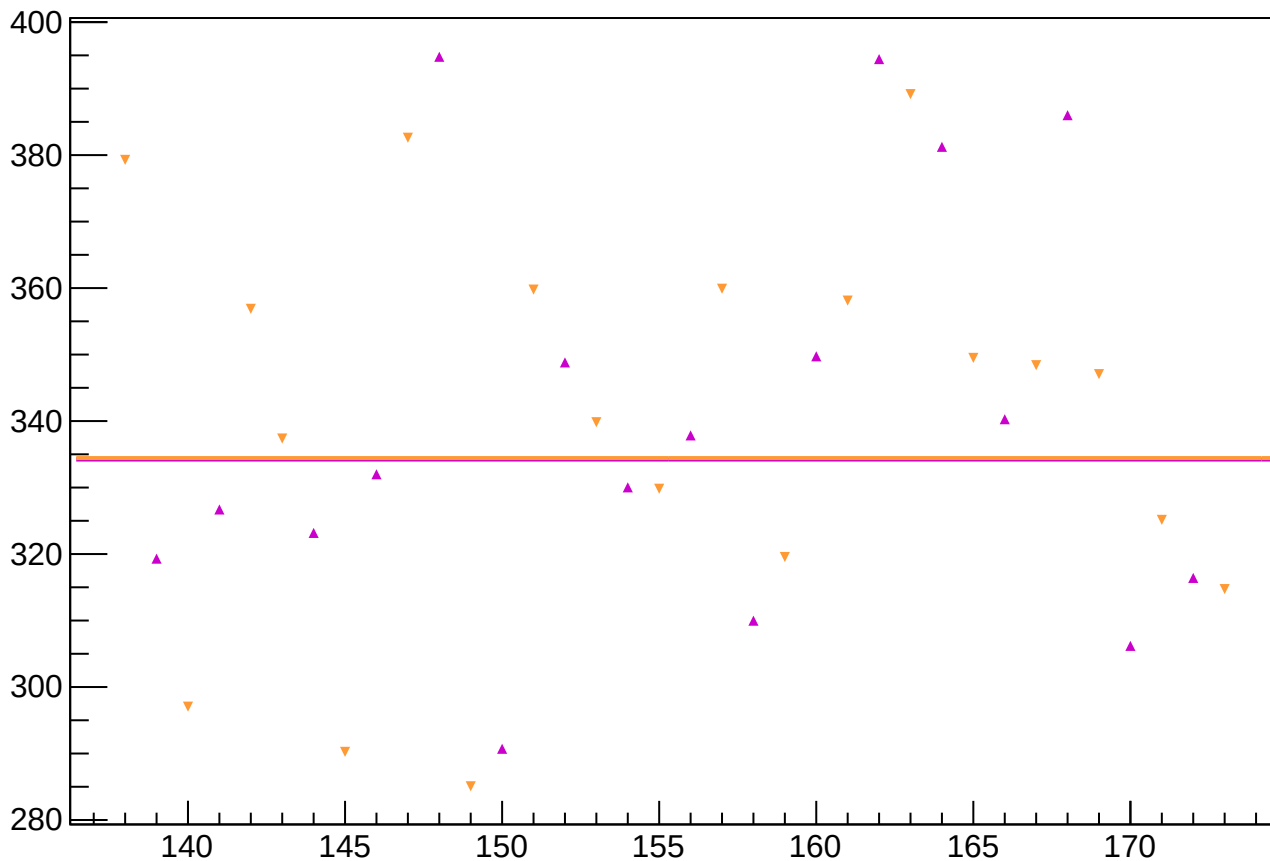
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -33.244 ± 92.056 $\chi^2/\text{NDF}: 32.4/16$

Out: 224.460 ± 89.229 $\chi^2/\text{NDF}: 15.5/18$

All: 99.626 ± 64.070 $\chi^2/\text{NDF}: 51.9/35$

asym_sam_15_avg_rms vs Slug, Sign Corrected



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

Left Out: 334.436+/-0.063 χ^2/NDF :229056.4/18

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

Left In: 334.212+/-0.065 χ^2/NDF :200621.8/16

Left: 334.328+/-0.045 χ^2/NDF : 429684.3/35

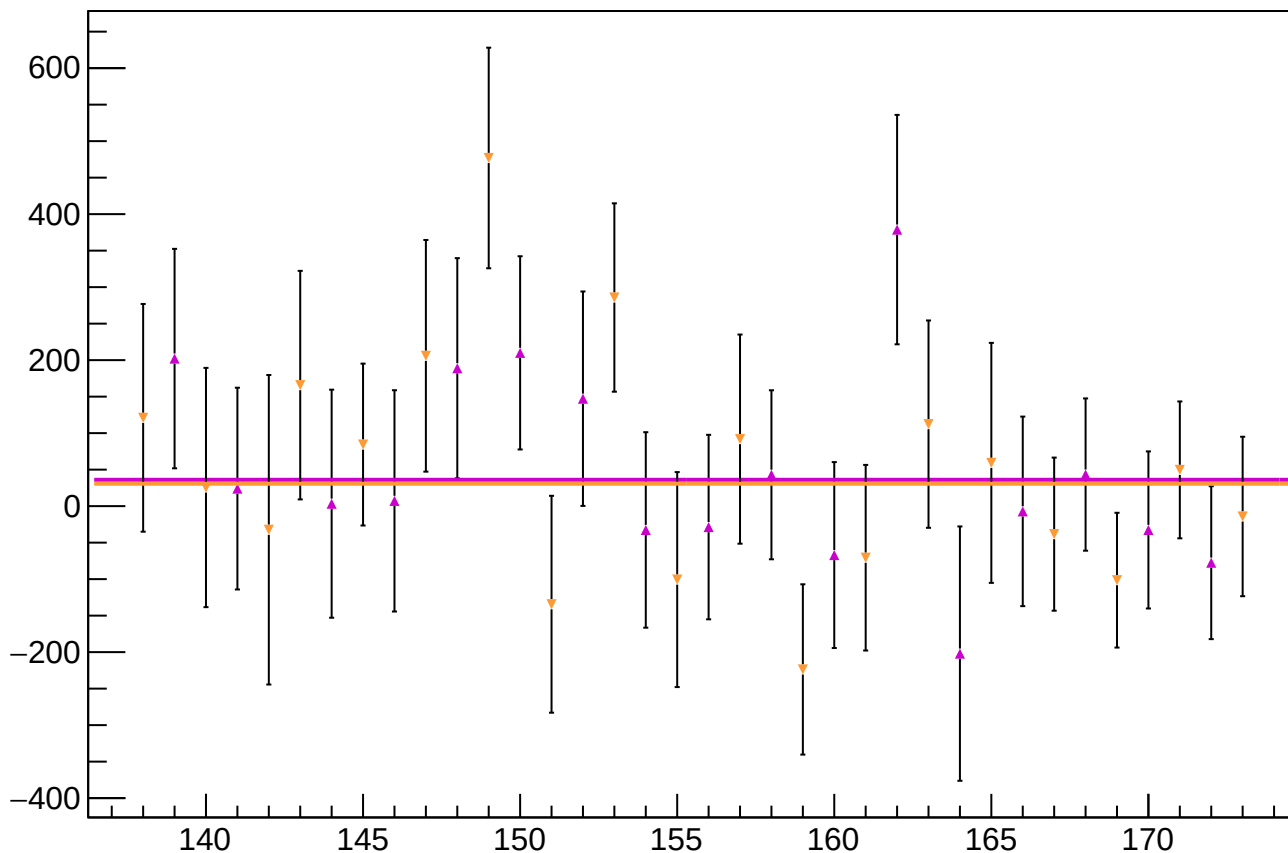
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 334.212+/-0.065 χ^2/NDF :200621.8/16

Out: 334.436+/-0.063 χ^2/NDF :229056.4/18

All: 334.328+/-0.045 χ^2/NDF : 429684.3/35

dit_asym_sam_26_avg_mean vs Slug, Sign Corrected



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

Left Out: 30.698 $\pm$ 29.692 χ^2 /NDF:25.9/18

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

Left In: 36.100 $\pm$ 31.855 χ^2 /NDF:14.1/16

Left: 33.209 $\pm$ 21.720 χ^2 /NDF: 40.1/35

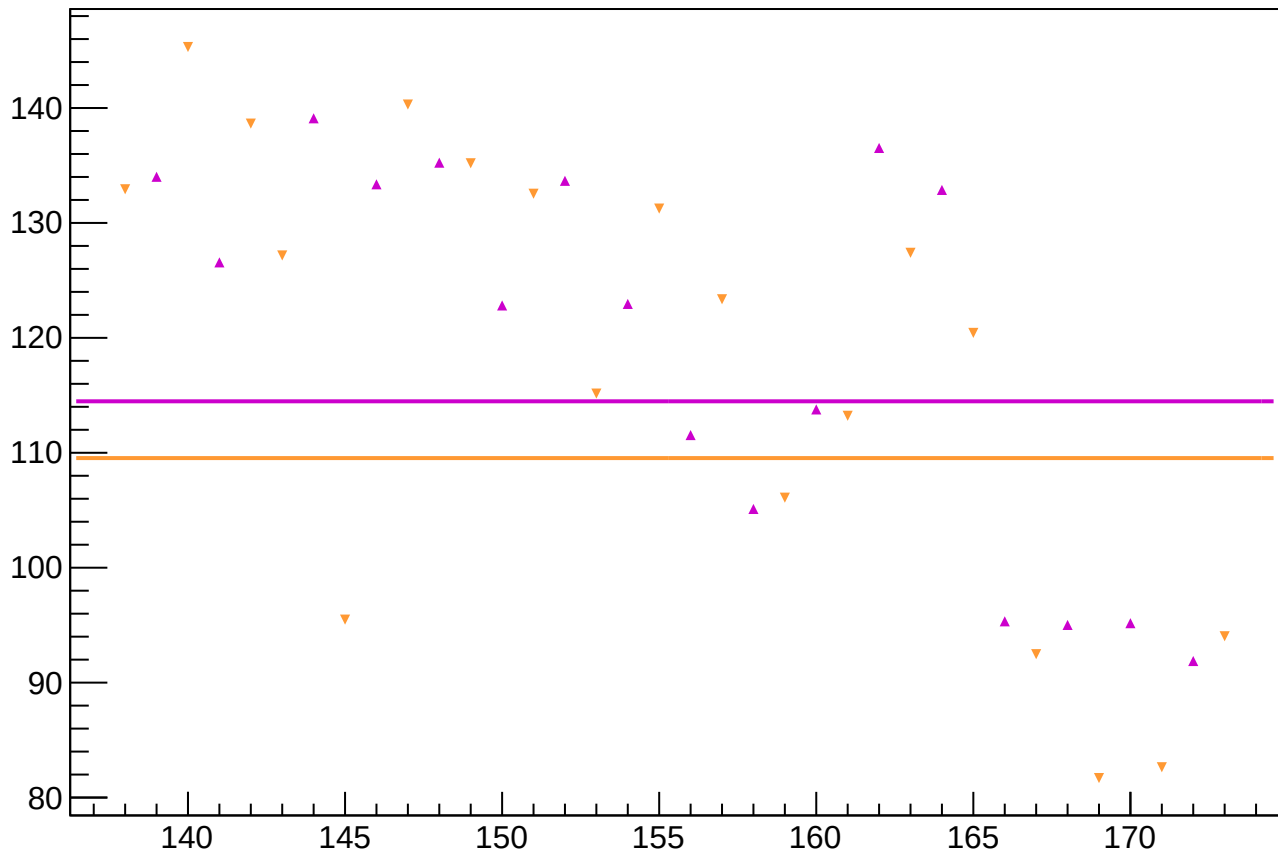
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 36.100 $\pm$ 31.855 χ^2 /NDF:14.1/16

Out: 30.698 $\pm$ 29.692 χ^2 /NDF:25.9/18

All: 33.209 $\pm$ 21.720 χ^2 /NDF: 40.1/35

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



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

Left Out: 109.539+/-0.021 χ^2/NDF :965801.5/18

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

Left In: 114.479+/-0.023 χ^2/NDF :564340.8/16

Left: 111.835+/-0.015 χ^2/NDF : 1555880.7/35

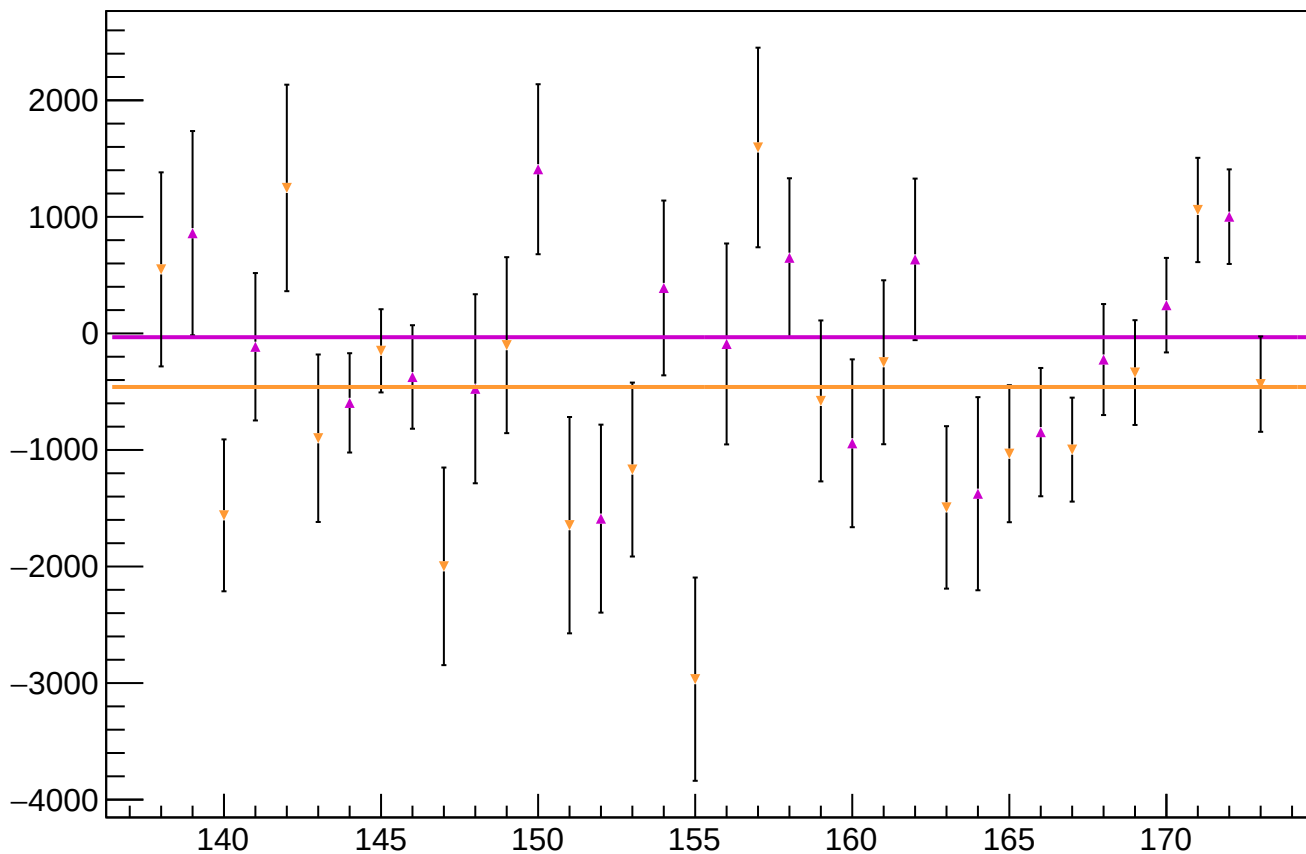
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 114.479+/-0.023 χ^2/NDF :564340.8/16

Out: 109.539+/-0.021 χ^2/NDF :965801.5/18

All: 111.835+/-0.015 χ^2/NDF : 1555880.7/35

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -459.635+/-136.513 χ^2/NDF :45.6/18

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

Left In: -32.512+/-141.523 χ^2/NDF :27.1/16

Left: -253.768+/-98.253 χ^2/NDF : 77.4/35

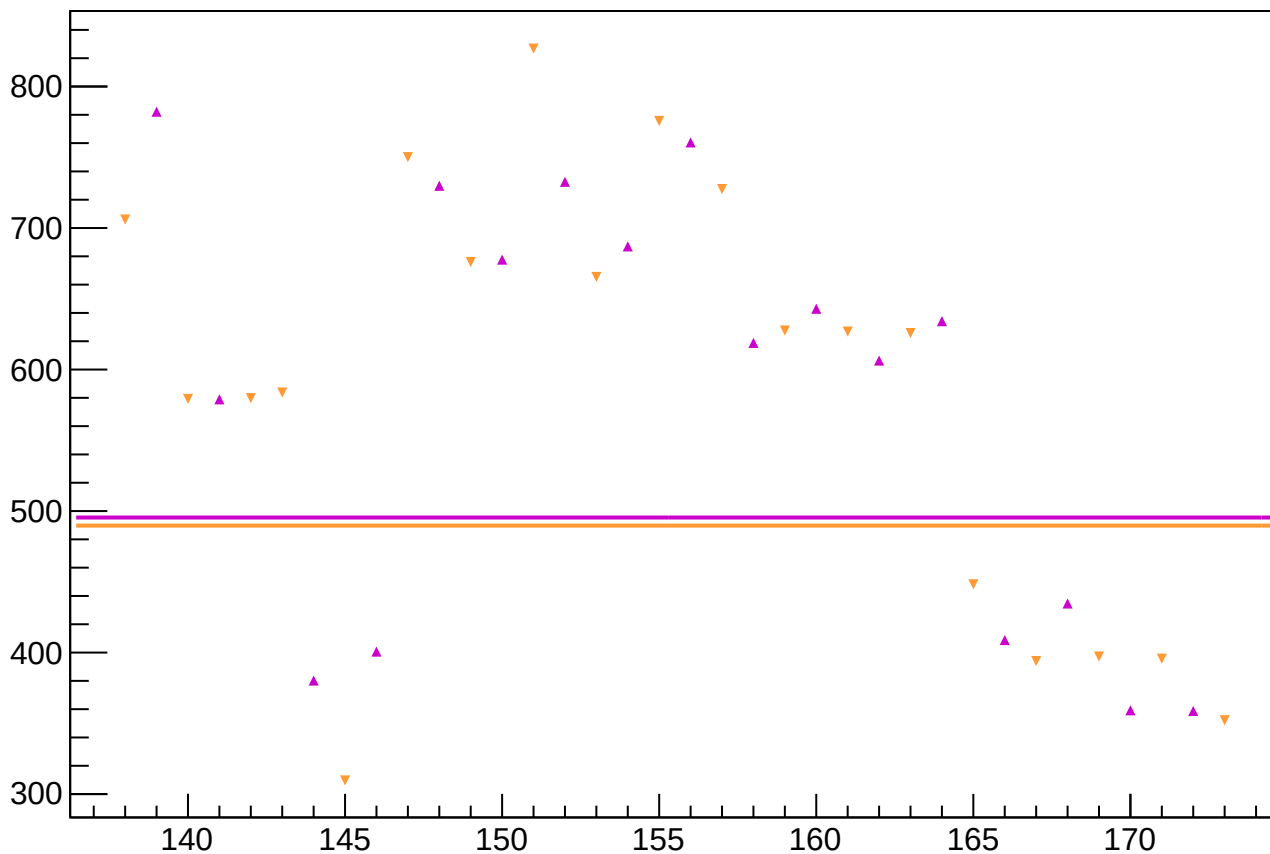
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -32.512+/-141.523 χ^2/NDF :27.1/16

Out: -459.635+/-136.513 χ^2/NDF :45.6/18

All: -253.768+/-98.253 χ^2/NDF : 77.4/35

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 489.705+/-0.097 χ^2/NDF :2524179.3/18

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

Left In: 495.429+/-0.100 χ^2/NDF :2062636.3/16

Left: 492.464+/-0.069 χ^2/NDF : 4588510.2/35

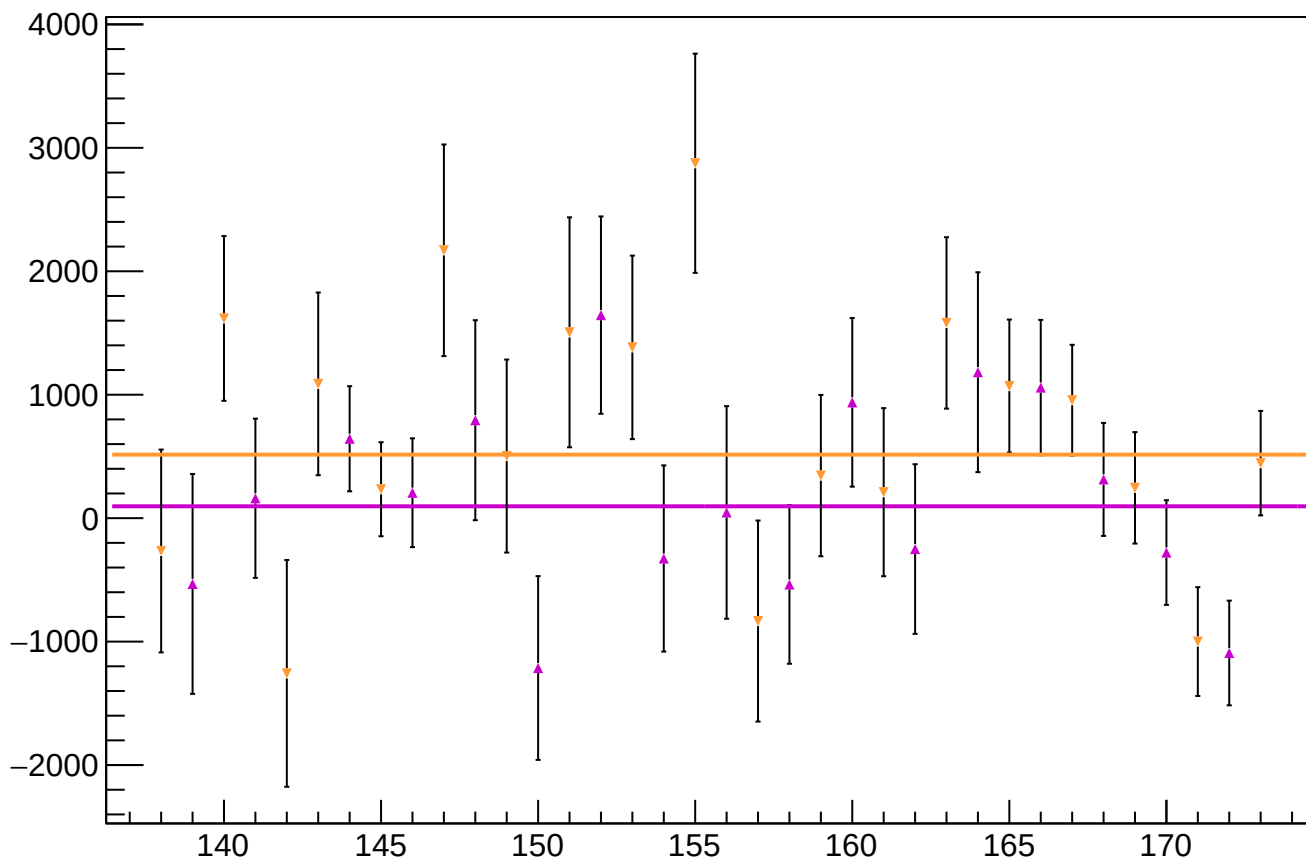
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 495.429+/-0.100 χ^2/NDF :2062636.3/16

Out: 489.705+/-0.097 χ^2/NDF :2524179.3/18

All: 492.464+/-0.069 χ^2/NDF : 4588510.2/35

asym_sam_26_avg_mean vs Slug, Sign Corrected



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

Left Out: 514.804+/-137.373 χ^2/NDF : 41.4/18

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

Left In: 96.086+/-141.748 χ^2/NDF : 26.6/16

Left: 312.006+/-98.648 χ^2/NDF : 72.5/35

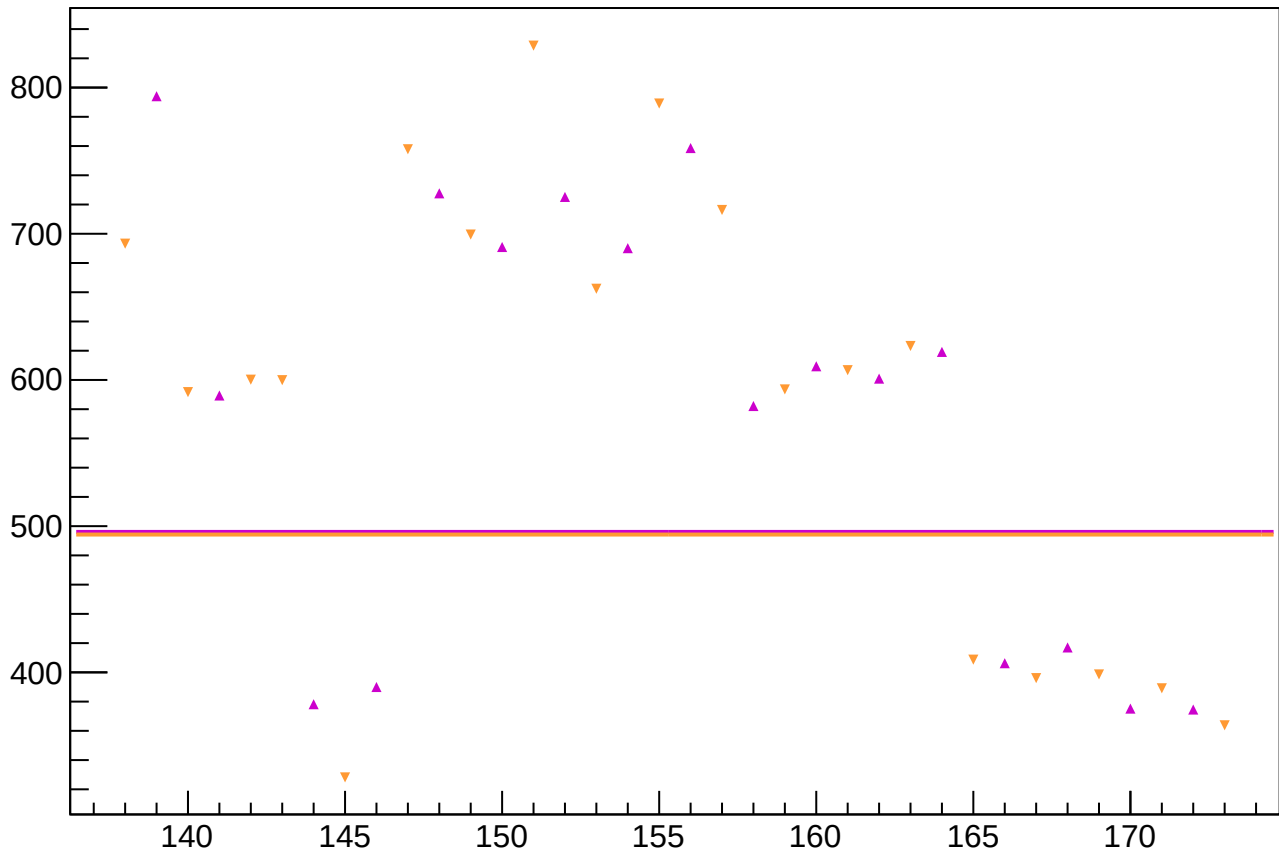
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 96.086+/-141.748 χ^2/NDF : 26.6/16

Out: 514.804+/-137.373 χ^2/NDF : 41.4/18

All: 312.006+/-98.648 χ^2/NDF : 72.5/35

asym_sam_26_avg_rms vs Slug, Sign Corrected



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

Left Out: 494.267+/-0.097 χ^2/NDF :2373659.6/18

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

Left In: 496.058+/-0.100 χ^2/NDF :1942080.4/16

Left: 495.135+/-0.070 χ^2/NDF : 4315904.8/35

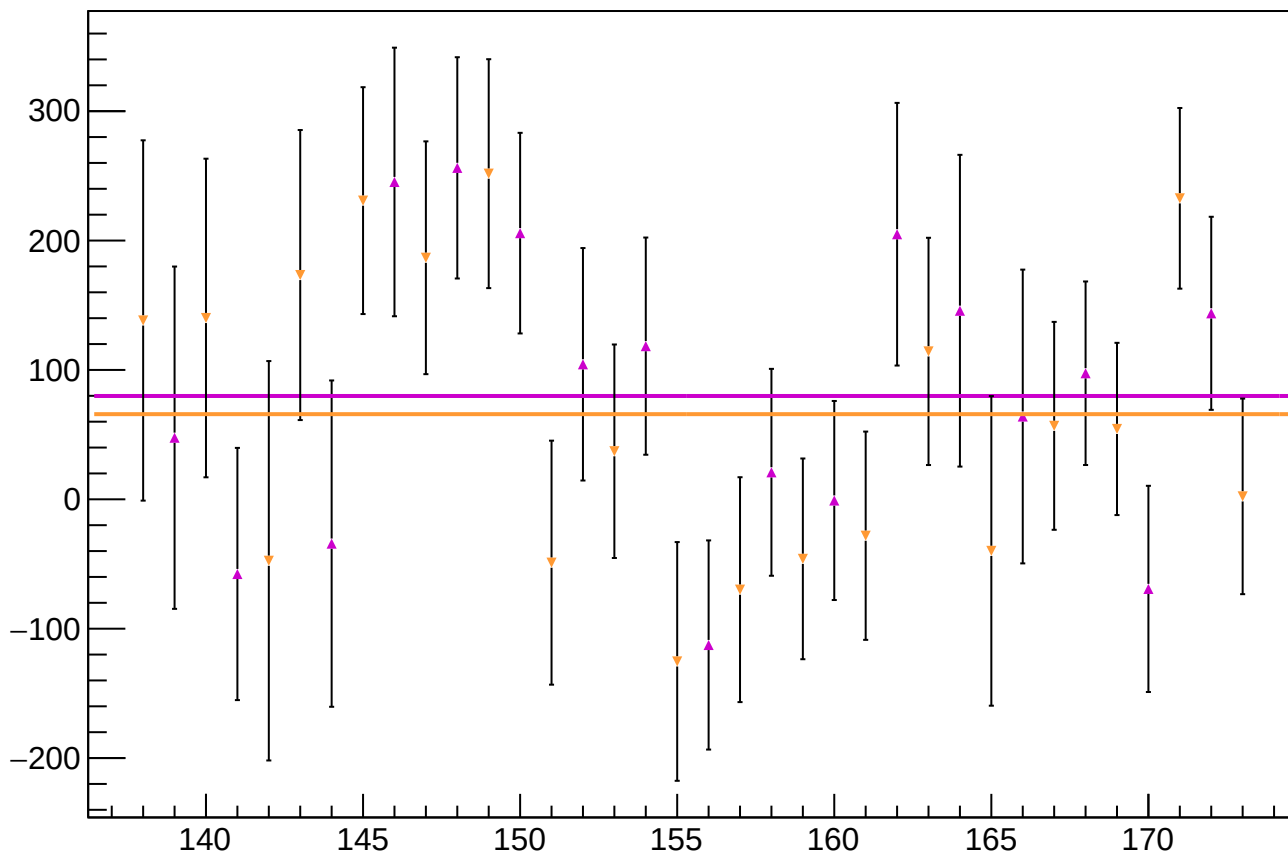
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 496.058+/-0.100 χ^2/NDF :1942080.4/16

Out: 494.267+/-0.097 χ^2/NDF :2373659.6/18

All: 495.135+/-0.070 χ^2/NDF : 4315904.8/35

dit_asym_sam_37_avg_mean vs Slug, Sign Corrected



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

Left Out: 65.816 $\pm$ 20.368 χ^2 /NDF:31.2/18

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

Left In: 79.870 $\pm$ 21.592 χ^2 /NDF:26.0/16

Left: 72.433 $\pm$ 14.816 χ^2 /NDF: 57.4/35

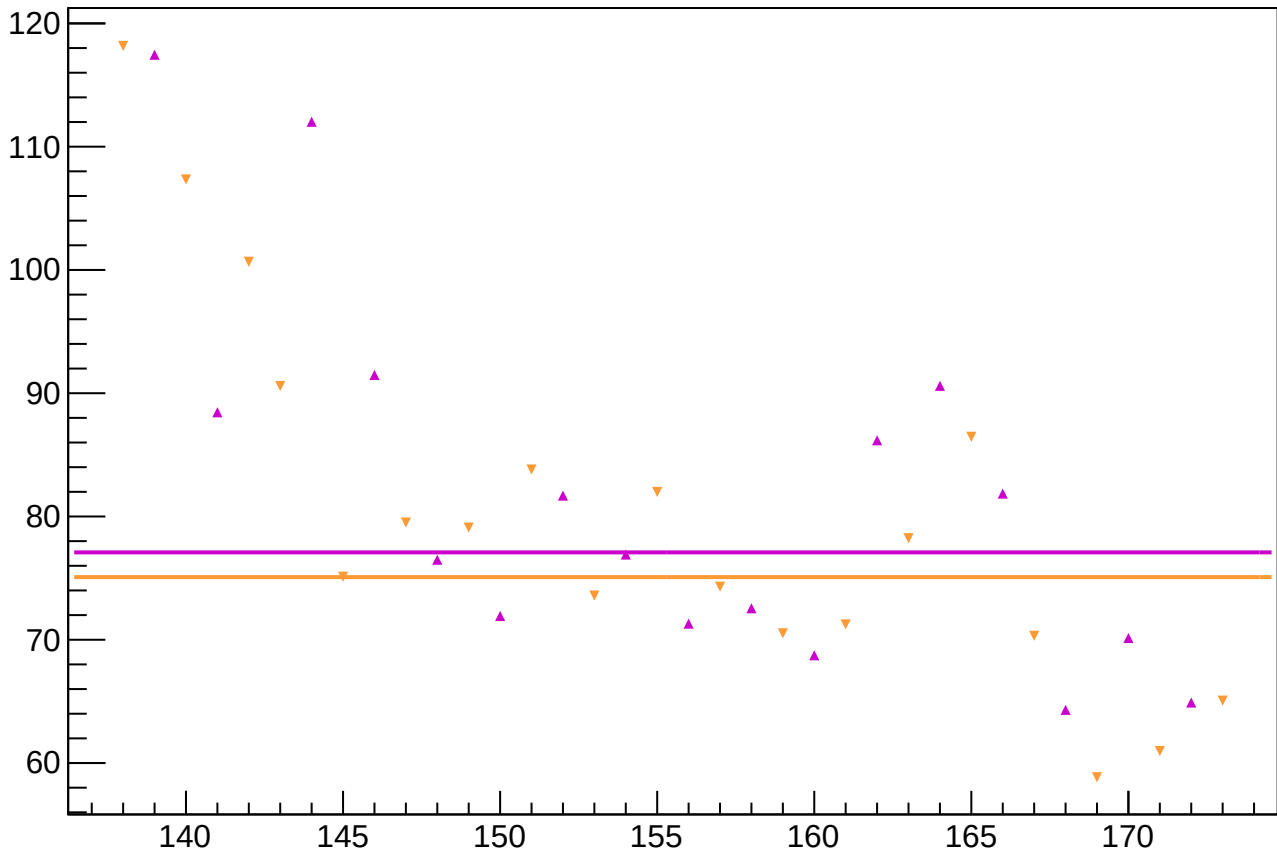
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 79.870 $\pm$ 21.592 χ^2 /NDF:26.0/16

Out: 65.816 $\pm$ 20.368 χ^2 /NDF:31.2/18

All: 72.433 $\pm$ 14.816 χ^2 /NDF: 57.4/35

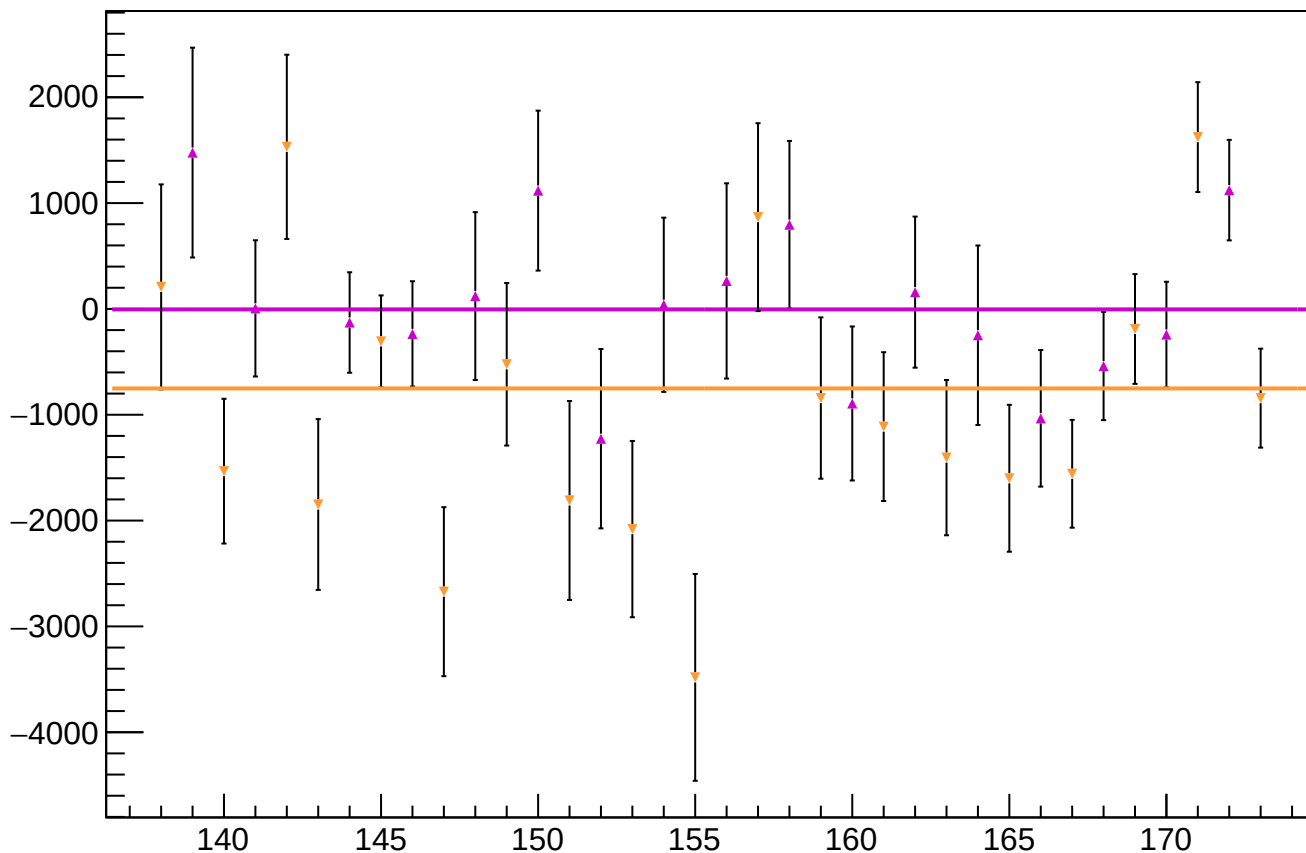
dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 75.081+/-0.014 χ^2/NDF : 735095.0/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 77.089+/-0.015 χ^2/NDF : 637862.8/16

Left: 76.026+/-0.010 χ^2/NDF : 1382104.8/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 77.089+/-0.015 χ^2/NDF : 637862.8/16
 Out: 75.081+/-0.014 χ^2/NDF : 735095.0/18
 All: 76.026+/-0.010 χ^2/NDF : 1382104.8/35

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -751.262+/-152.413 χ^2/NDF :60.1/18

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

Left In: -4.473+/-156.550 χ^2/NDF :19.1/16

Left: -387.863+/-109.206 χ^2/NDF : 90.8/35

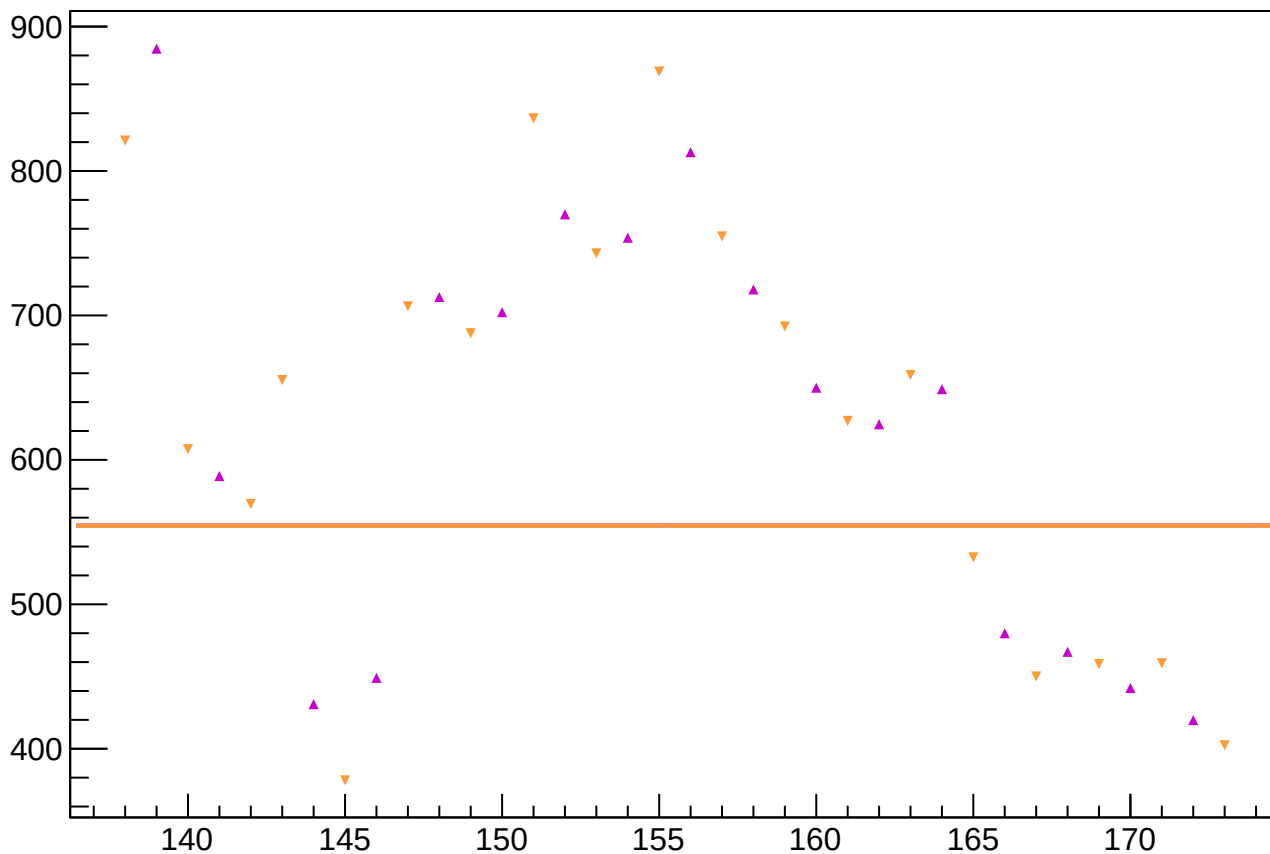
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -4.473+/-156.550 χ^2/NDF :19.1/16

Out: -751.262+/-152.413 χ^2/NDF :60.1/18

All: -387.863+/-109.206 χ^2/NDF : 90.8/35

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 554.461+/-0.108 χ^2/NDF :1809142.4/18

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

Left In: 554.559+/-0.111 χ^2/NDF :1524236.4/16

Left: 554.509+/-0.077 χ^2/NDF : 3333379.3/35

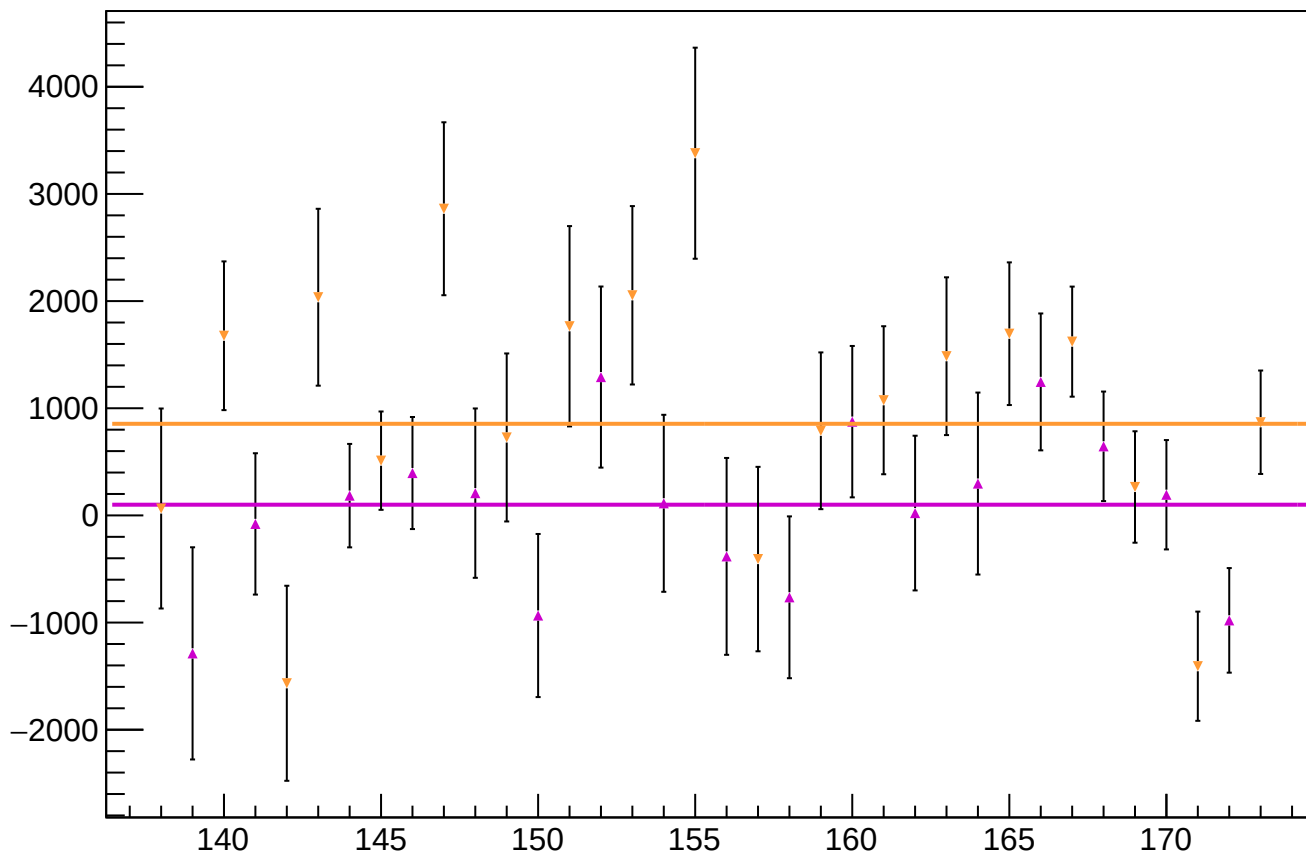
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 554.559+/-0.111 χ^2/NDF :1524236.4/16

Out: 554.461+/-0.108 χ^2/NDF :1809142.4/18

All: 554.509+/-0.077 χ^2/NDF : 3333379.3/35

asym_sam_37_avg_mean vs Slug, Sign Corrected



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

Left Out: 854.878+/-153.428 χ^2/NDF :55.4/18

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

Left In: 99.869+/-158.057 χ^2/NDF :18.4/16

Left: 488.591+/-110.090 χ^2/NDF : 85.5/35

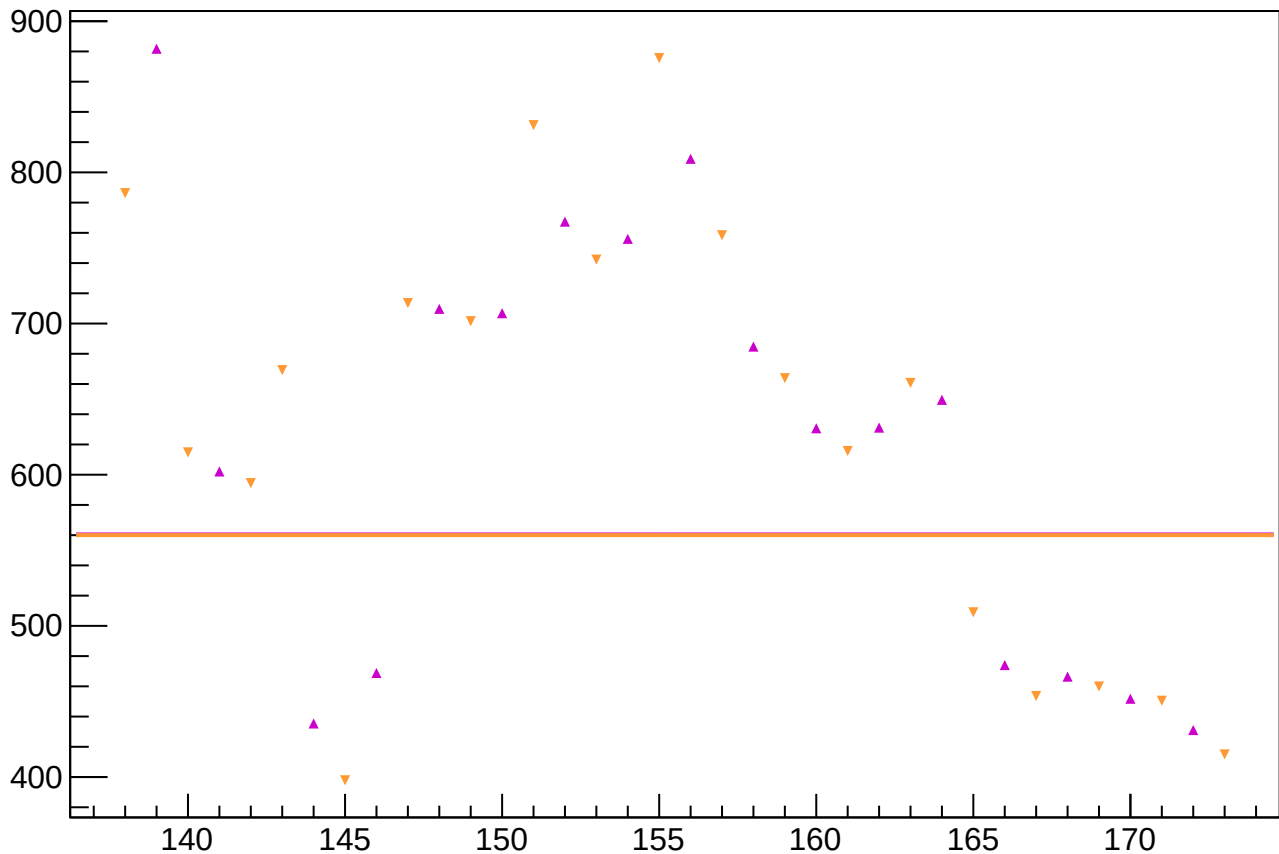
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 99.869+/-158.057 χ^2/NDF :18.4/16

Out: 854.878+/-153.428 χ^2/NDF :55.4/18

All: 488.591+/-110.090 χ^2/NDF : 85.5/35

asym_sam_37_avg_rms vs Slug, Sign Corrected



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

Left Out: 560.044+/-0.108 χ^2/NDF :1666674.2/18

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

Left In: 560.474+/-0.112 χ^2/NDF :1388696.6/16

Left: 560.253+/-0.078 χ^2/NDF : 3055378.5/35

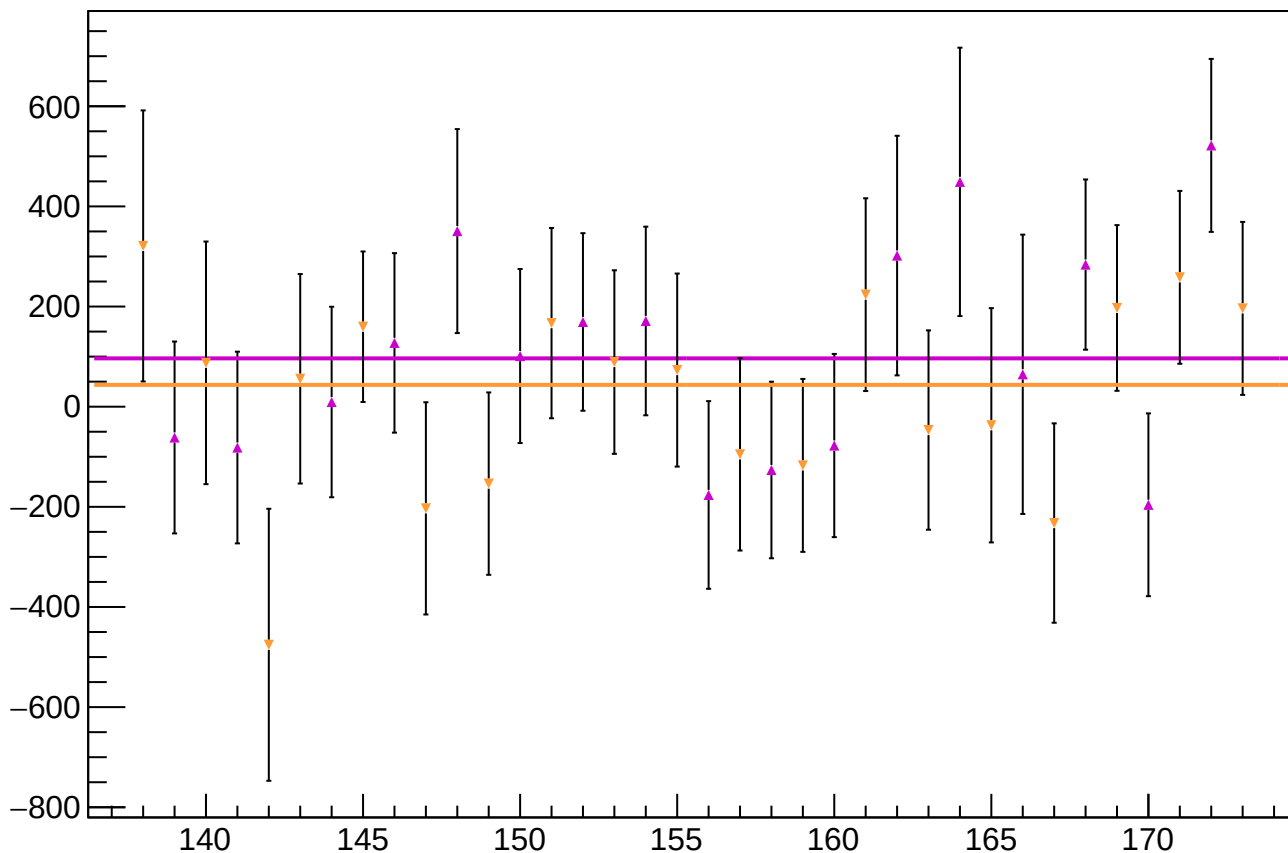
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 560.474+/-0.112 χ^2/NDF :1388696.6/16

Out: 560.044+/-0.108 χ^2/NDF :1666674.2/18

All: 560.253+/-0.078 χ^2/NDF : 3055378.5/35

dit_asym_sam_48_avg_mean vs Slug, Sign Corrected



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

Left Out: 43.547 $\pm$ 44.361 χ^2 /NDF:16.1/18

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

Left In: 96.493 $\pm$ 46.454 χ^2 /NDF:20.6/16

Left: 68.801 $\pm$ 32.082 χ^2 /NDF: 37.4/35

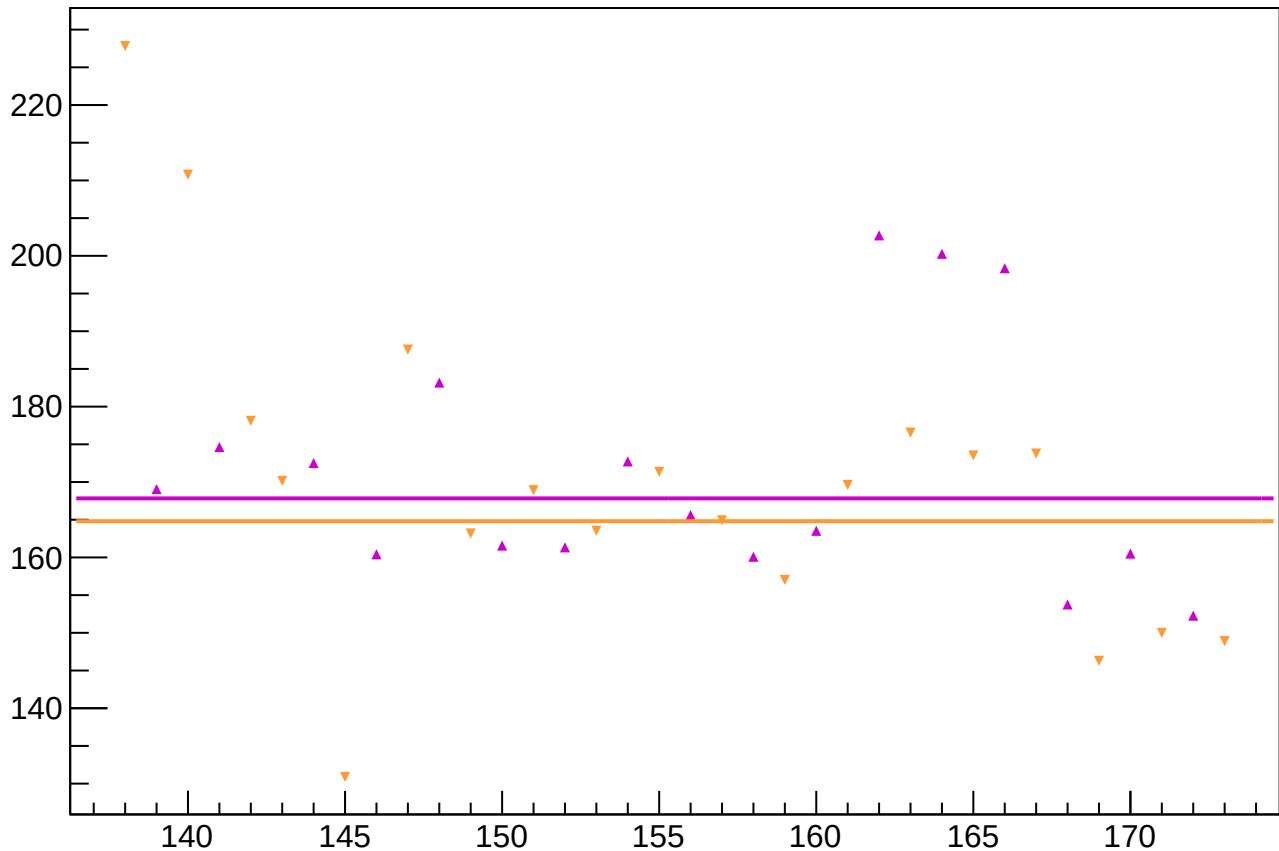
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 96.493 $\pm$ 46.454 χ^2 /NDF:20.6/16

Out: 43.547 $\pm$ 44.361 χ^2 /NDF:16.1/18

All: 68.801 $\pm$ 32.082 χ^2 /NDF: 37.4/35

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



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

Left Out: 164.805+/-0.031 χ^2/NDF :390818.4/18

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

Left In: 167.827+/-0.033 χ^2/NDF :159391.6/16

Left: 166.247+/-0.023 χ^2/NDF : 554638.3/35

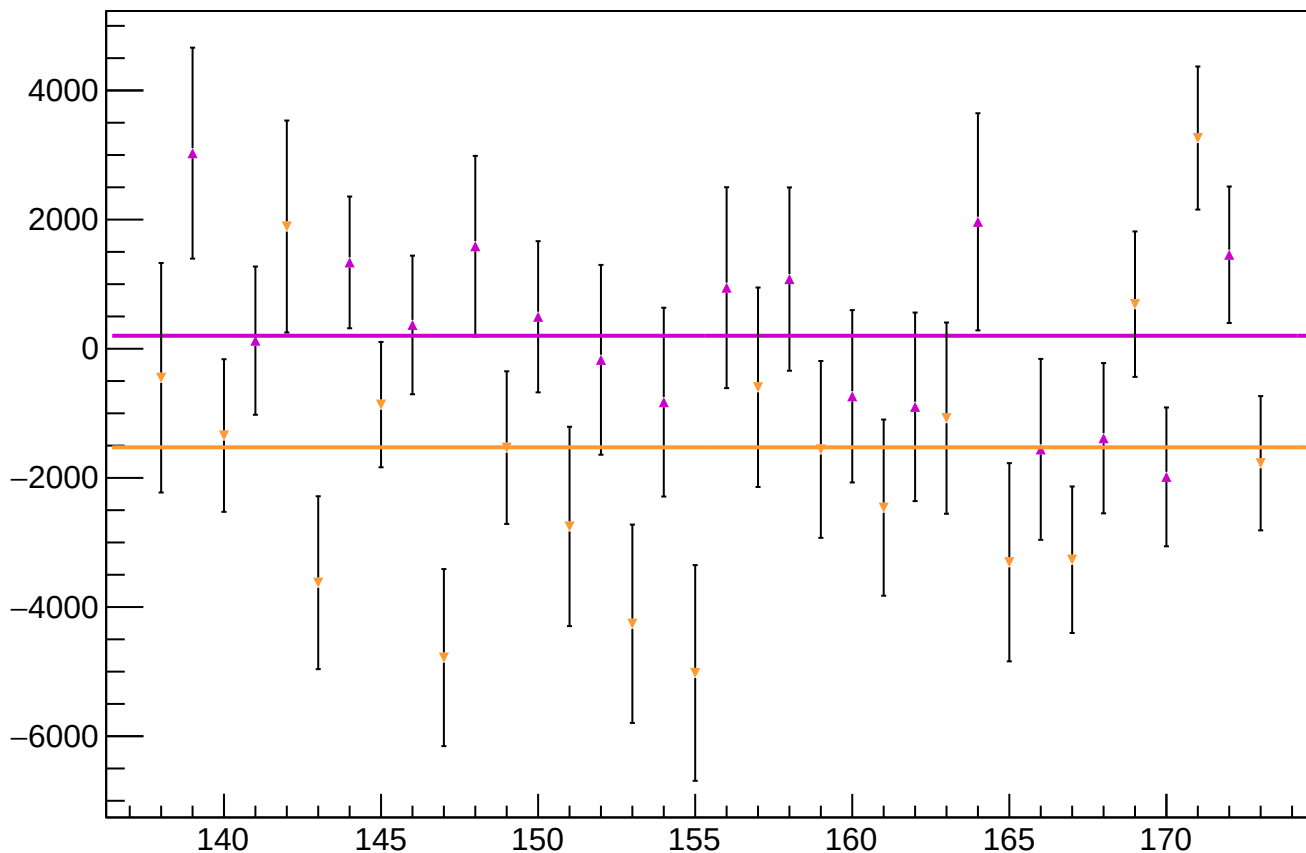
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 167.827+/-0.033 χ^2/NDF :159391.6/16

Out: 164.805+/-0.031 χ^2/NDF :390818.4/18

All: 166.247+/-0.023 χ^2/NDF : 554638.3/35

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1526.135+/-299.471 χ^2/NDF :48.7/18

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

Left In: 201.088+/-309.514 χ^2/NDF :17.6/16

Left: -691.000+/-215.221 χ^2/NDF : 82.4/35

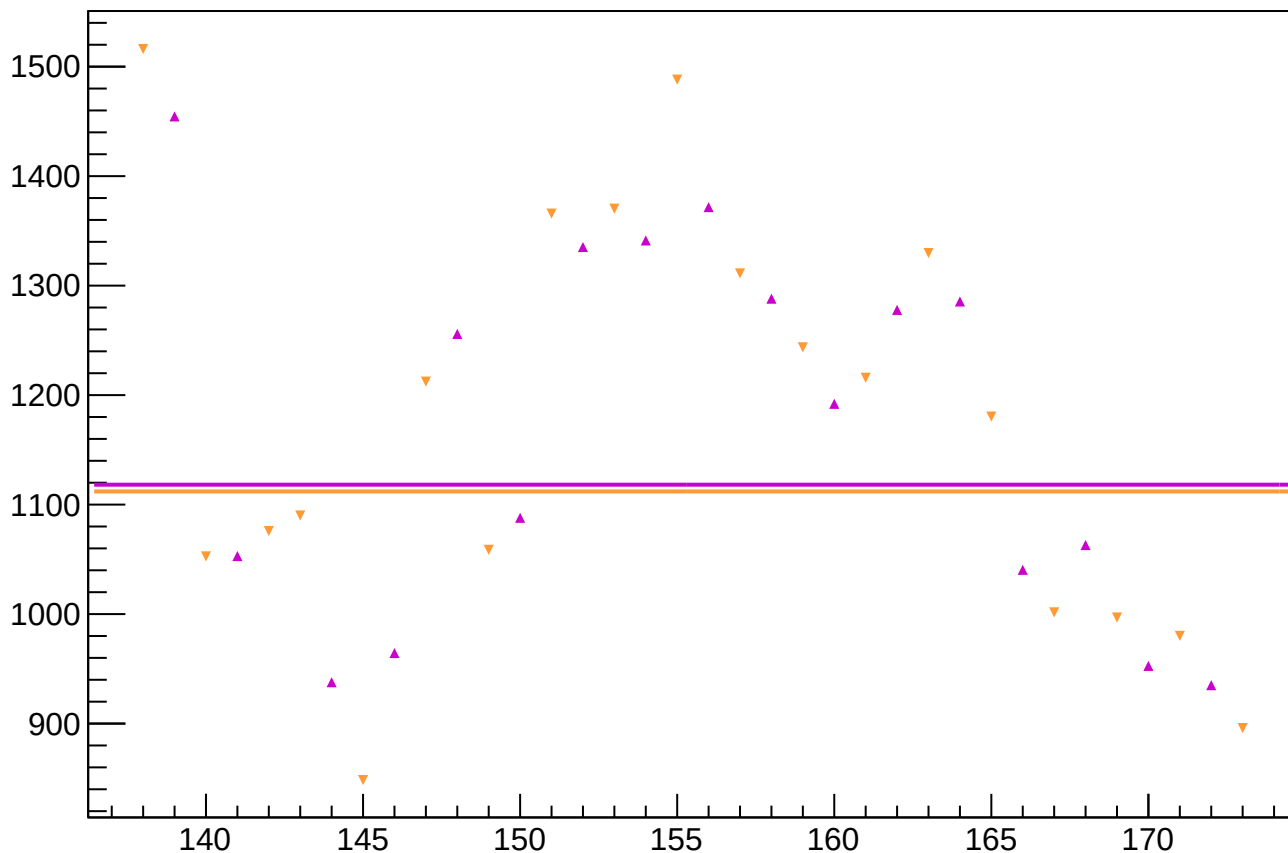
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 201.088+/-309.514 χ^2/NDF :17.6/16

Out: -1526.135+/-299.471 χ^2/NDF :48.7/18

All: -691.000+/-215.221 χ^2/NDF : 82.4/35

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1112.006+/-0.212 χ^2/NDF : 749442.0/18

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

Left In: 1118.187+/-0.219 χ^2/NDF : 555610.8/16

Left: 1114.995+/-0.152 χ^2/NDF : 1305464.6/35

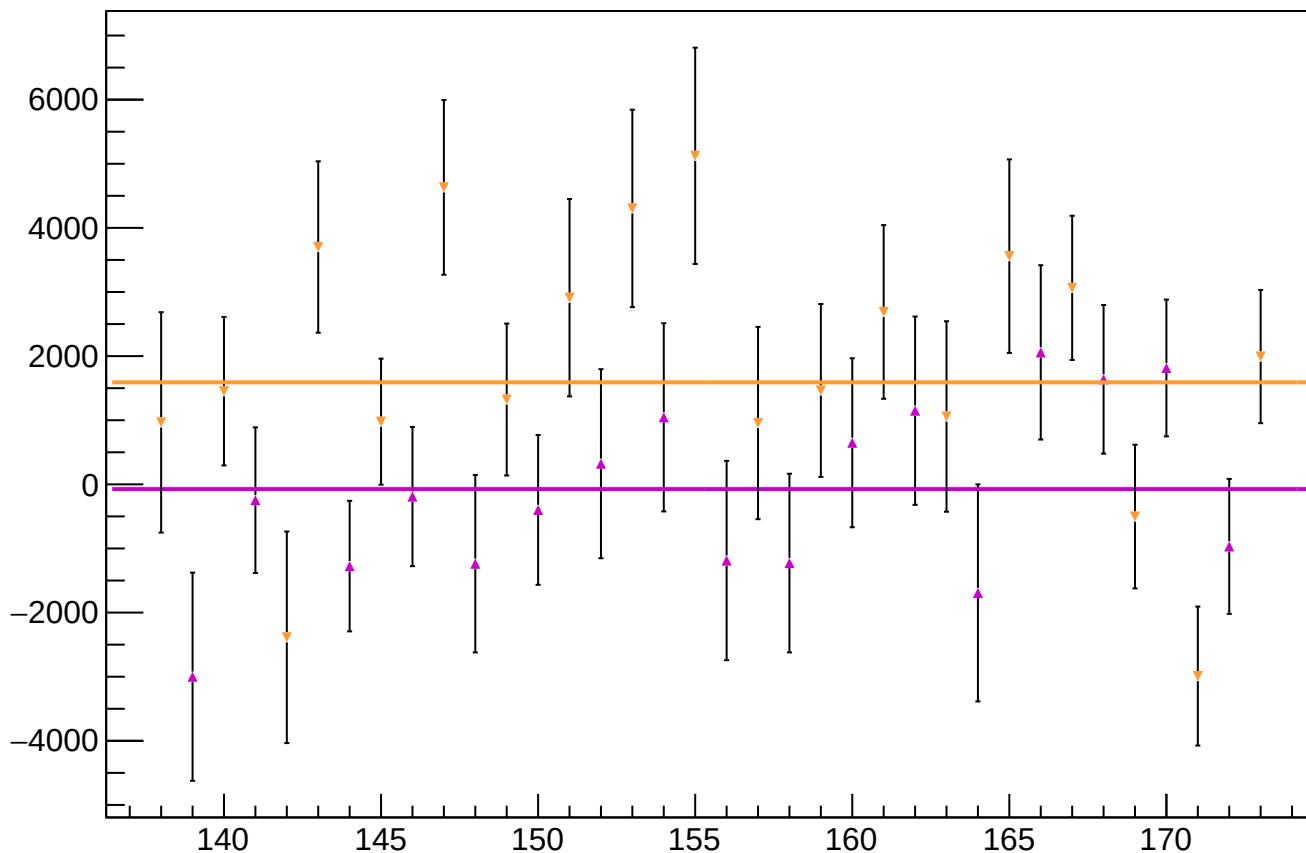
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1118.187+/-0.219 χ^2/NDF : 555610.8/16

Out: 1112.006+/-0.212 χ^2/NDF : 749442.0/18

All: 1114.995+/-0.152 χ^2/NDF : 1305464.6/35

asym_sam_48_avg_mean vs Slug, Sign Corrected



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

Left Out: 1591.002+/-297.608 χ^2/NDF :48.0/18

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

Left In: -74.250+/-308.165 χ^2/NDF :17.7/16

Left: 787.387+/-214.076 χ^2/NDF : 80.8/35

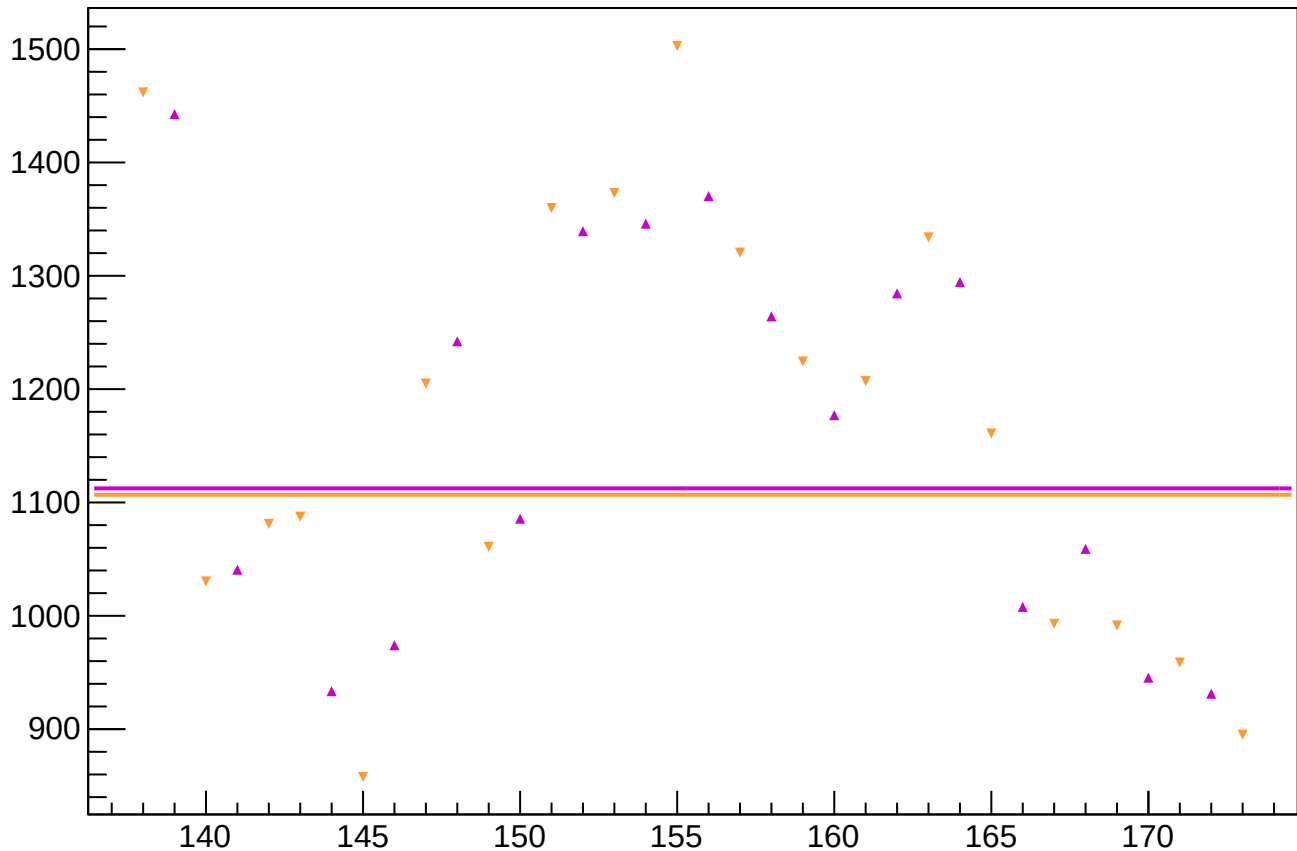
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -74.250+/-308.165 χ^2/NDF :17.7/16

Out: 1591.002+/-297.608 χ^2/NDF :48.0/18

All: 787.387+/-214.076 χ^2/NDF : 80.8/35

asym_sam_48_avg_rms vs Slug, Sign Corrected



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

Left Out: 1106.827+/-0.210 χ^2/NDF : 738885.0/18

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

Left In: 1112.423+/-0.218 χ^2/NDF : 560202.4/16

Left: 1109.527+/-0.151 χ^2/NDF : 1299428.6/35

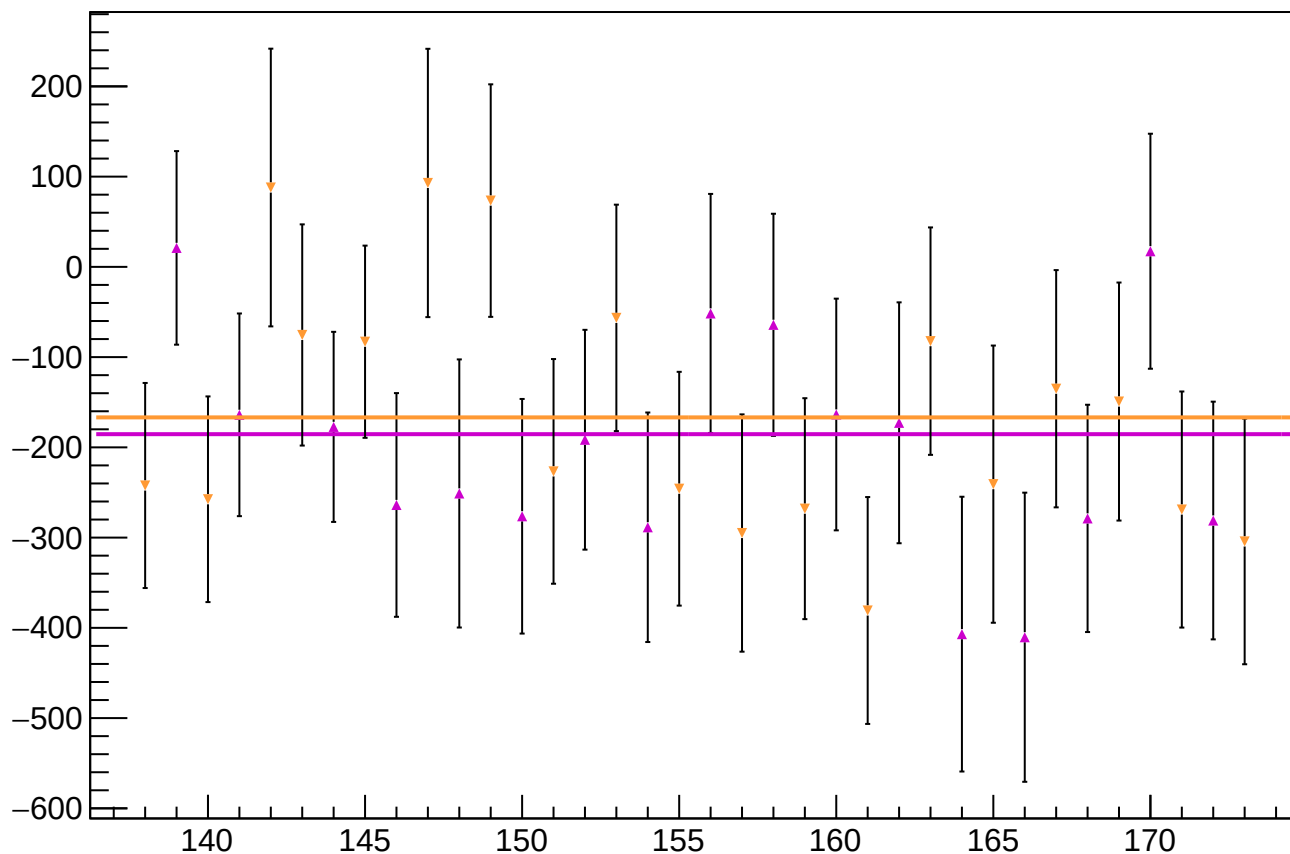
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1112.423+/-0.218 χ^2/NDF : 560202.4/16

Out: 1106.827+/-0.210 χ^2/NDF : 738885.0/18

All: 1109.527+/-0.151 χ^2/NDF : 1299428.6/35

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



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

Left Out: -166.793+/-29.289 χ^2/NDF :19.8/18

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

Left In: -185.391+/-30.760 χ^2/NDF :15.1/16

Left: -175.637+/-21.211 χ^2/NDF : 35.1/35

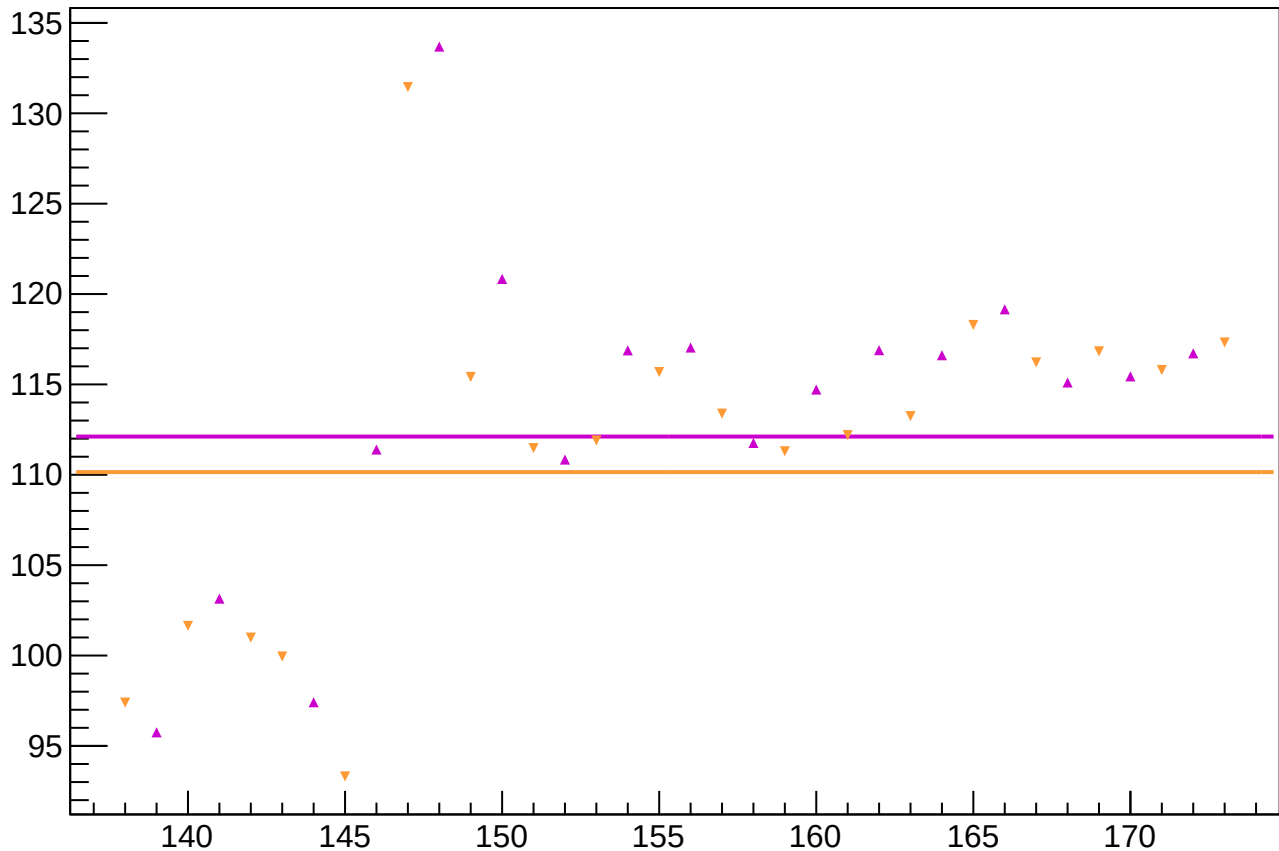
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -185.391+/-30.760 χ^2/NDF :15.1/16

Out: -166.793+/-29.289 χ^2/NDF :19.8/18

All: -175.637+/-21.211 χ^2/NDF : 35.1/35

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



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

Left Out: 110.149+/-0.021 χ^2/NDF :183394.6/18

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

Left In: 112.116+/-0.022 χ^2/NDF :169217.5/16

Left: 111.084+/-0.015 χ^2/NDF : 356901.2/35

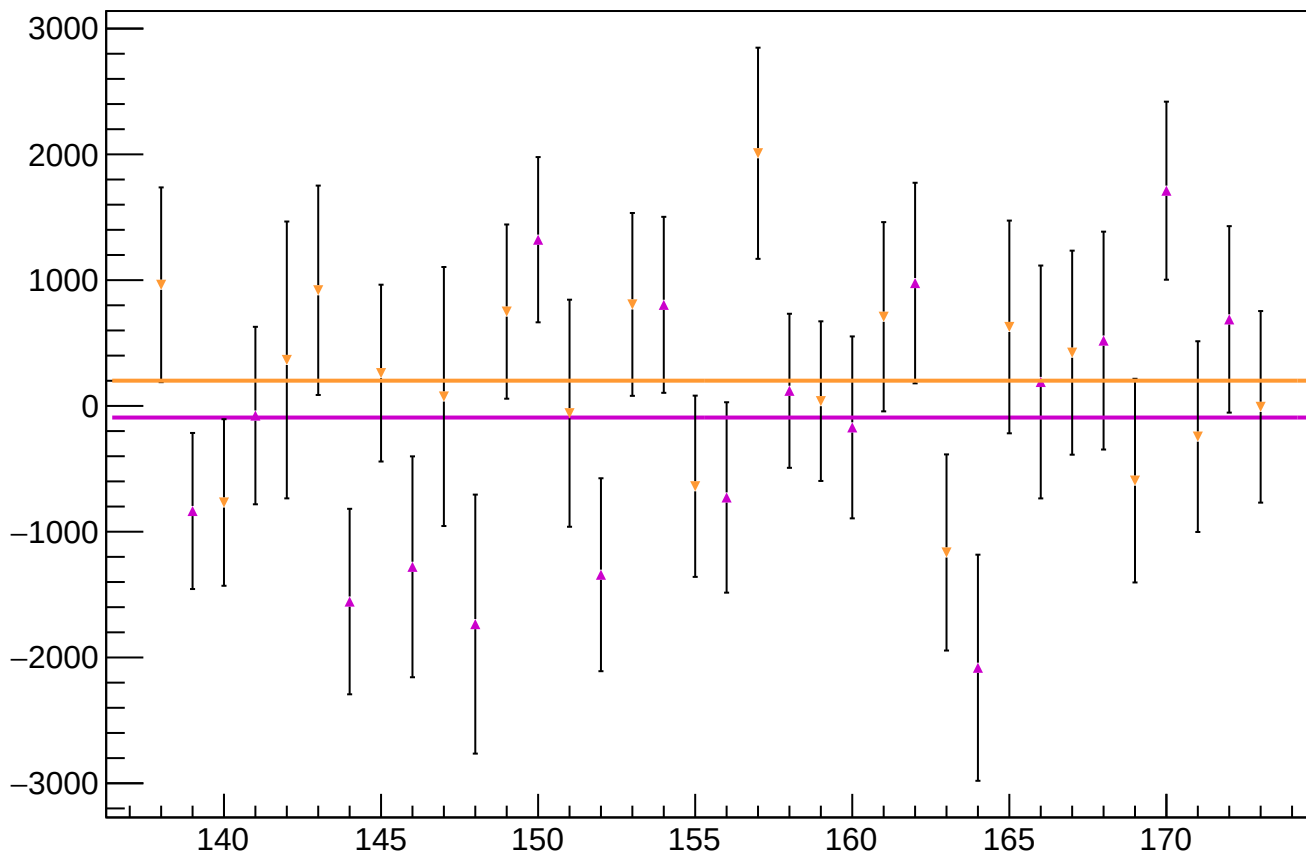
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 112.116+/-0.022 χ^2/NDF :169217.5/16

Out: 110.149+/-0.021 χ^2/NDF :183394.6/18

All: 111.084+/-0.015 χ^2/NDF : 356901.2/35

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 200.787+/-178.065 χ^2/NDF :16.6/18

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

Left In: -92.346+/-181.979 χ^2/NDF :34.4/16

Left: 57.407+/-127.272 χ^2/NDF : 52.3/35

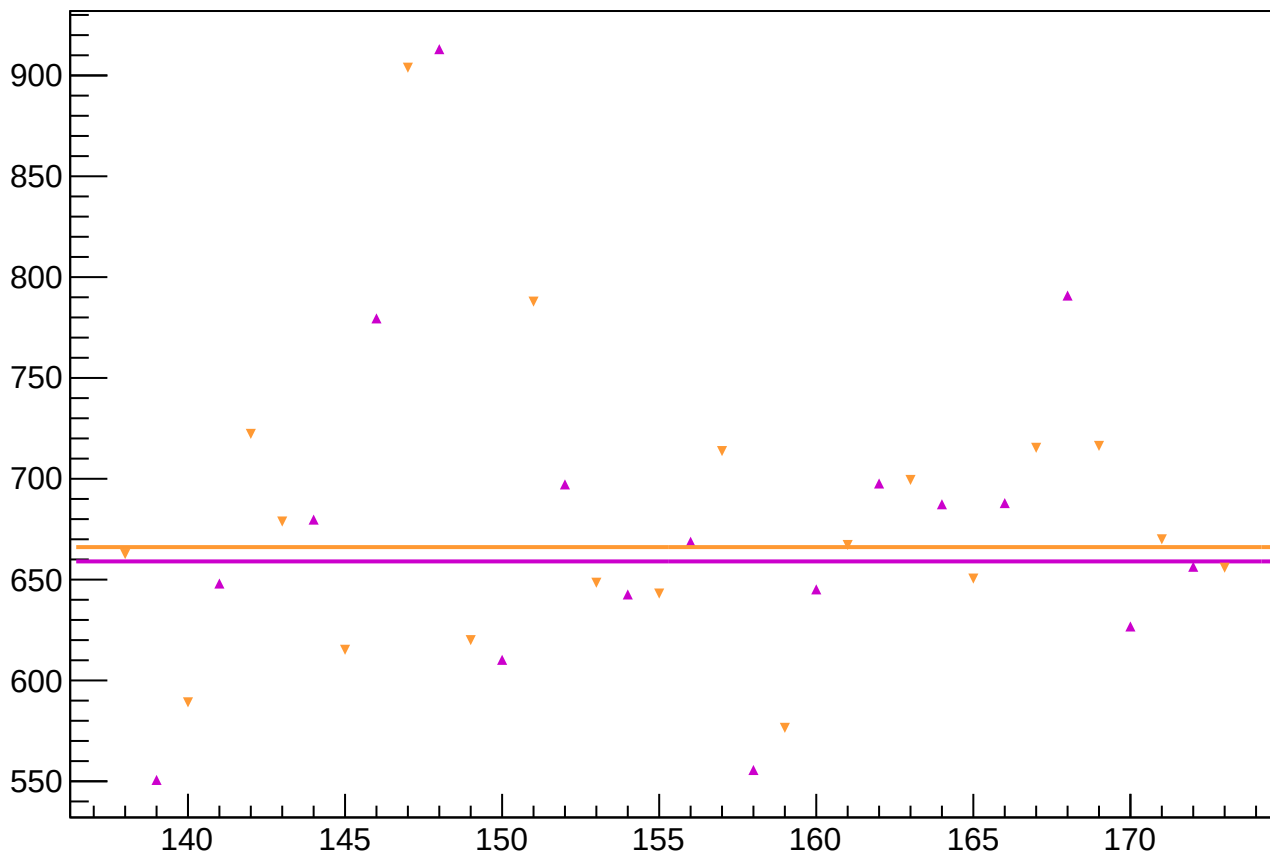
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -92.346+/-181.979 χ^2/NDF :34.4/16

Out: 200.787+/-178.065 χ^2/NDF :16.6/18

All: 57.407+/-127.272 χ^2/NDF : 52.3/35

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 666.123 $\pm$ 0.126 χ^2/NDF :264443.1/18

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

Left In: 659.025 $\pm$ 0.129 χ^2/NDF :356830.4/16

Left: 662.651 $\pm$ 0.090 χ^2/NDF : 622827.8/35

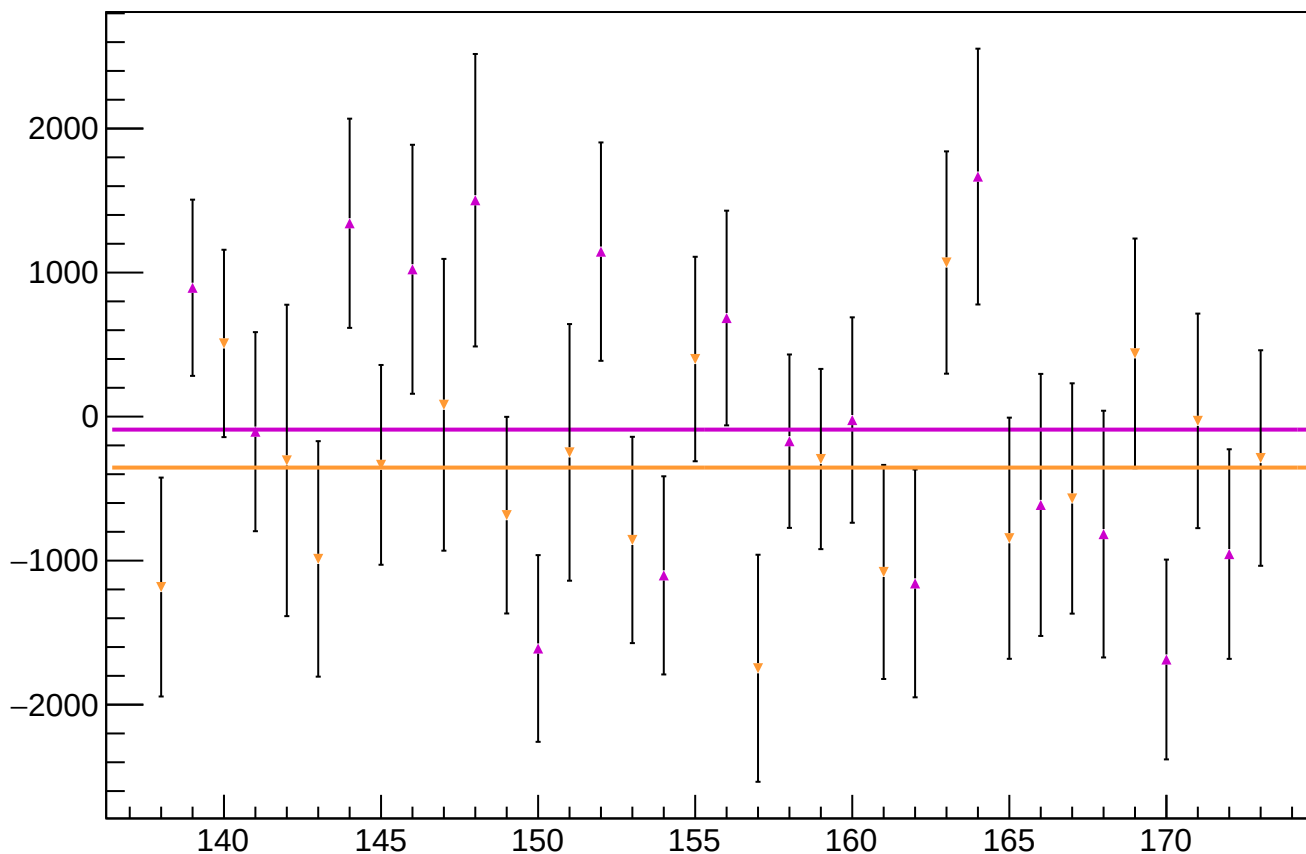
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 659.025 $\pm$ 0.129 χ^2/NDF :356830.4/16

Out: 666.123 $\pm$ 0.126 χ^2/NDF :264443.1/18

All: 662.651 $\pm$ 0.090 χ^2/NDF : 622827.8/35

asym_sam_15_dd_mean vs Slug, Sign Corrected



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

Left Out: -353.925+/-175.018 χ^2/NDF :14.7/18

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

Left In: -90.316+/-179.219 χ^2/NDF :35.5/16

Left: -225.246+/-125.215 χ^2/NDF : 51.3/35

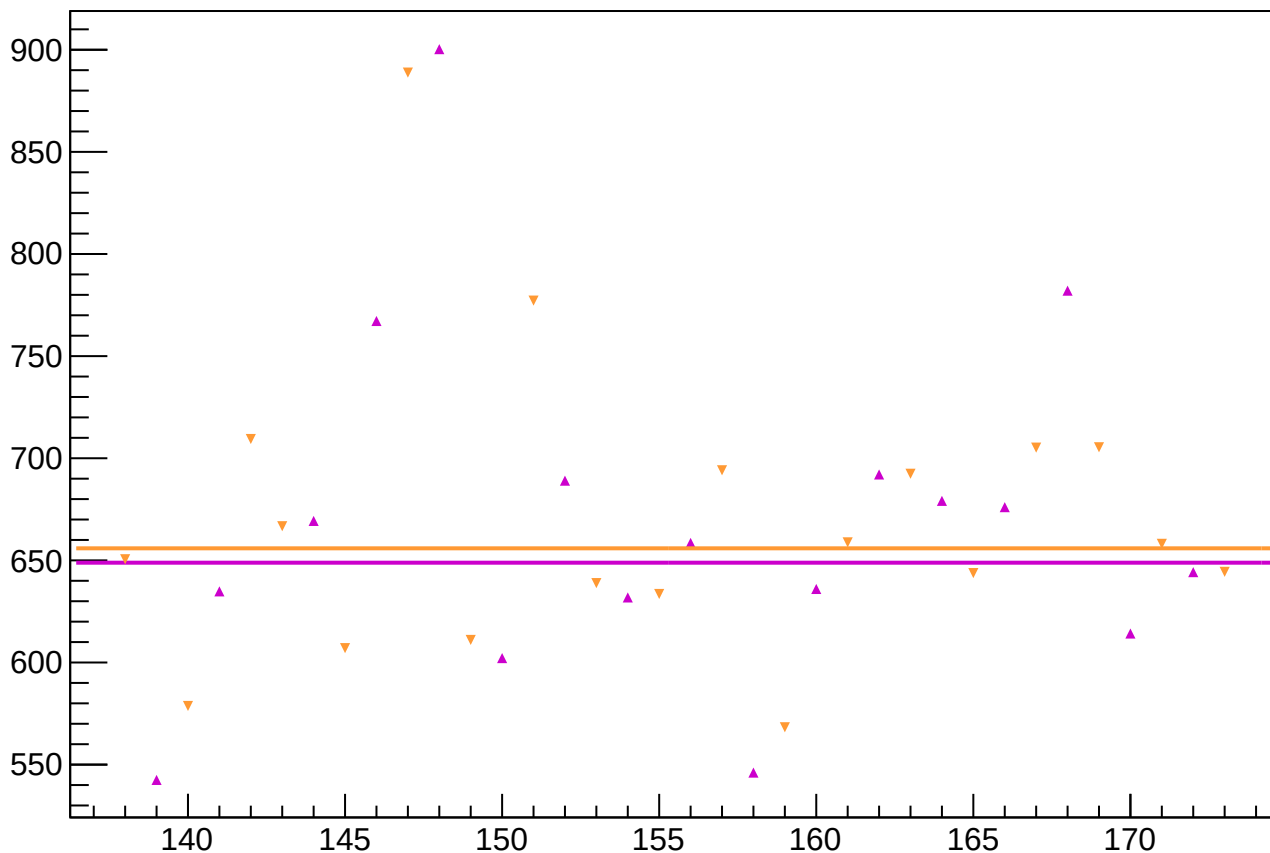
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -90.316+/-179.219 χ^2/NDF :35.5/16

Out: -353.925+/-175.018 χ^2/NDF :14.7/18

All: -225.246+/-125.215 χ^2/NDF : 51.3/35

asym_sam_15_dd_rms vs Slug, Sign Corrected



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

Left Out: 655.900+/-0.124 χ^2/NDF :262640.3/18

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

Left In: 648.864+/-0.127 χ^2/NDF :363013.4/16

Left: 652.465+/-0.089 χ^2/NDF : 627231.8/35

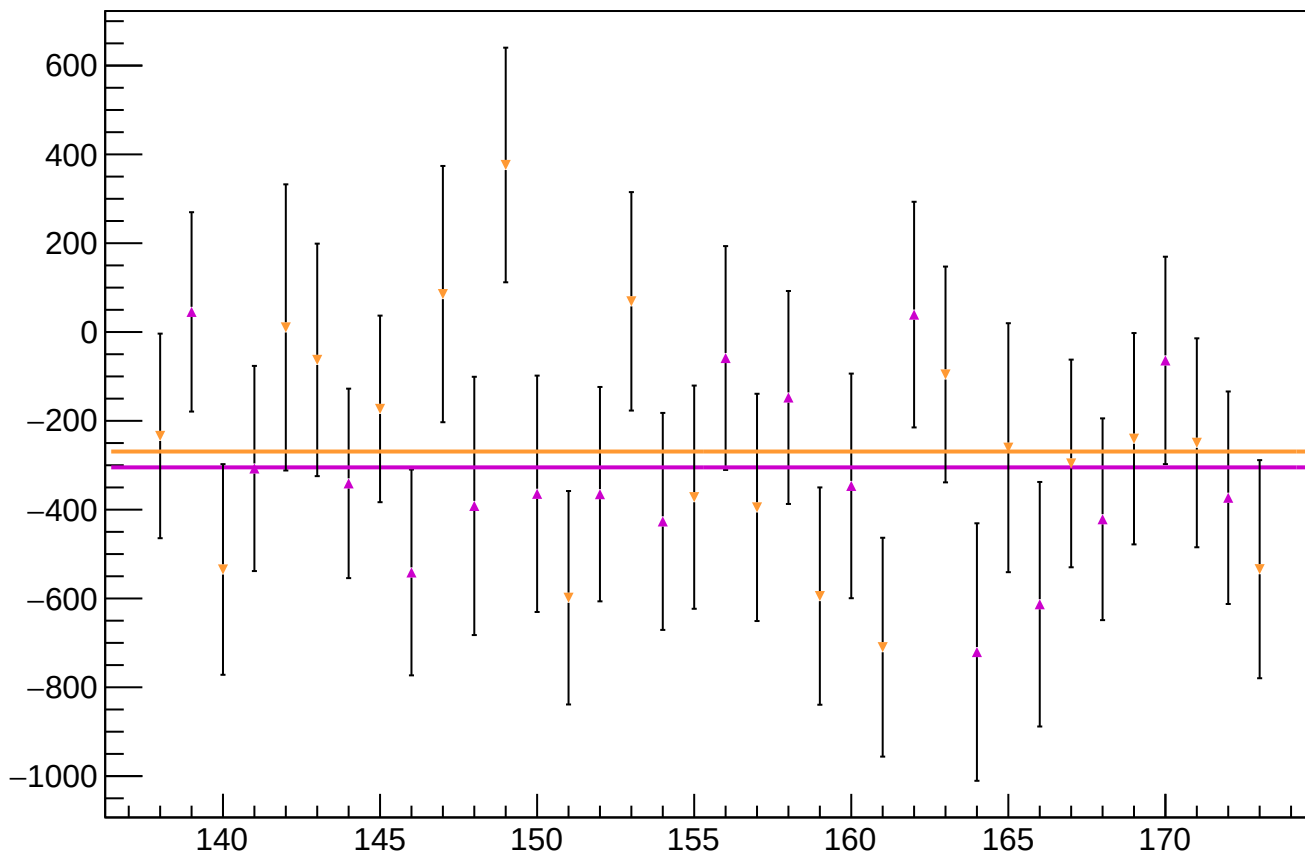
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 648.864+/-0.127 χ^2/NDF :363013.4/16

Out: 655.900+/-0.124 χ^2/NDF :262640.3/18

All: 652.465+/-0.089 χ^2/NDF : 627231.8/35

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -269.092+/-56.957 χ^2/NDF :21.2/18

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

Left In: -304.776+/-59.383 χ^2/NDF :11.9/16

Left: -286.190+/-41.106 χ^2/NDF : 33.3/35

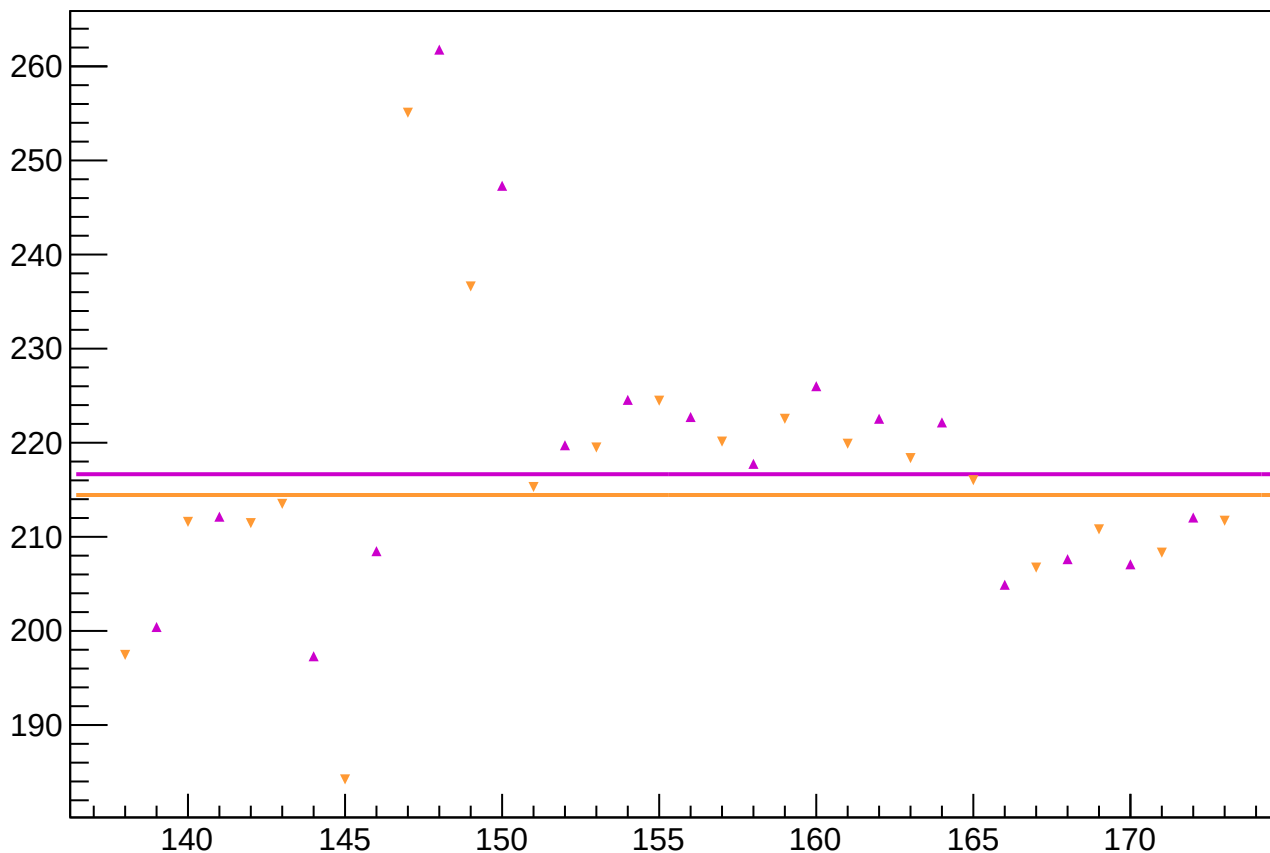
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -304.776+/-59.383 χ^2/NDF :11.9/16

Out: -269.092+/-56.957 χ^2/NDF :21.2/18

All: -286.190+/-41.106 χ^2/NDF : 33.3/35

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 214.445+/-0.040 χ^2/NDF :119549.9/18

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

Left In: 216.654+/-0.042 χ^2/NDF :123920.1/16

Left: 215.504+/-0.029 χ^2/NDF : 244911.4/35

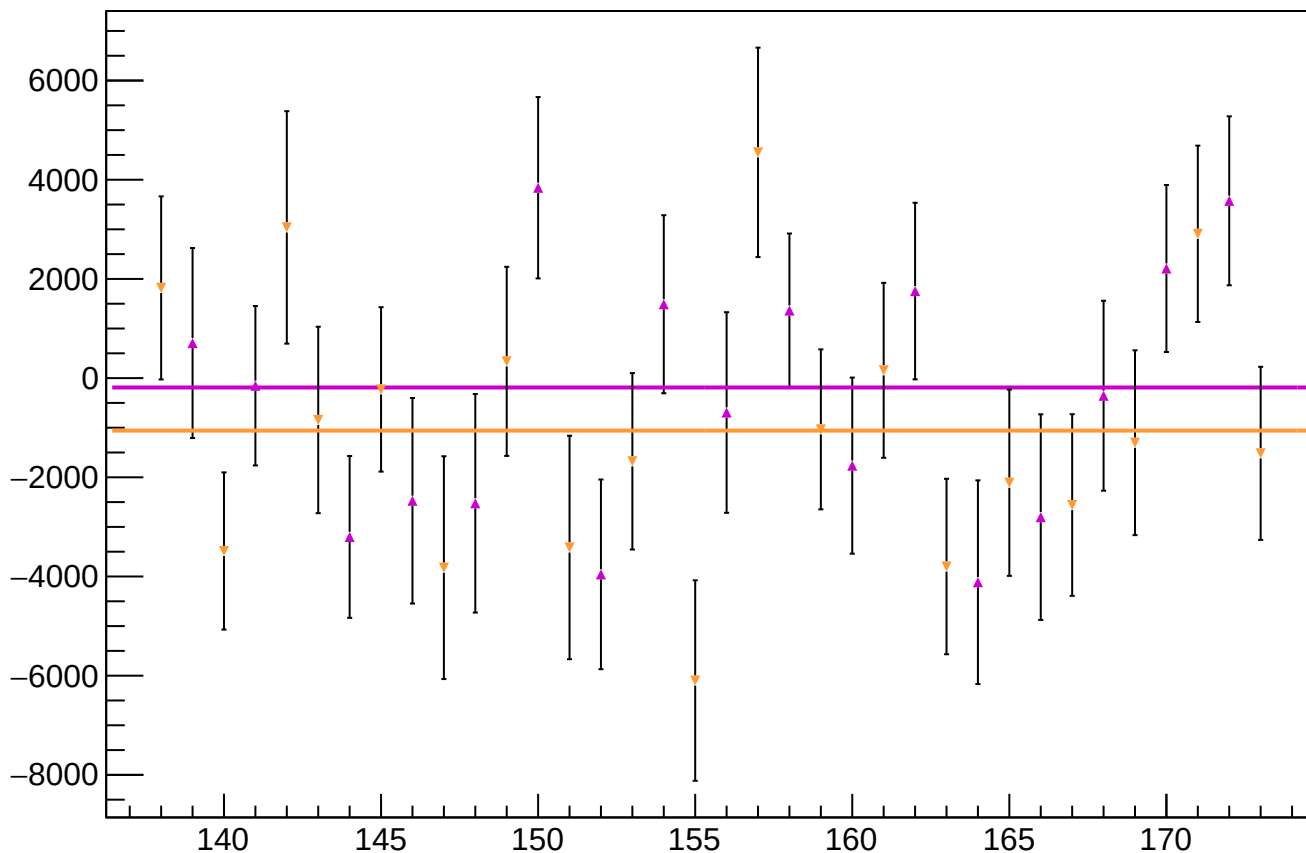
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 216.654+/-0.042 χ^2/NDF :123920.1/16

Out: 214.445+/-0.040 χ^2/NDF :119549.9/18

All: 215.504+/-0.029 χ^2/NDF : 244911.4/35

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -1057.926+/-425.792 χ^2/NDF :33.6/18

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

Left In: -188.785+/-443.276 χ^2/NDF :30.8/16

Left: -640.833+/-307.076 χ^2/NDF : 66.4/35

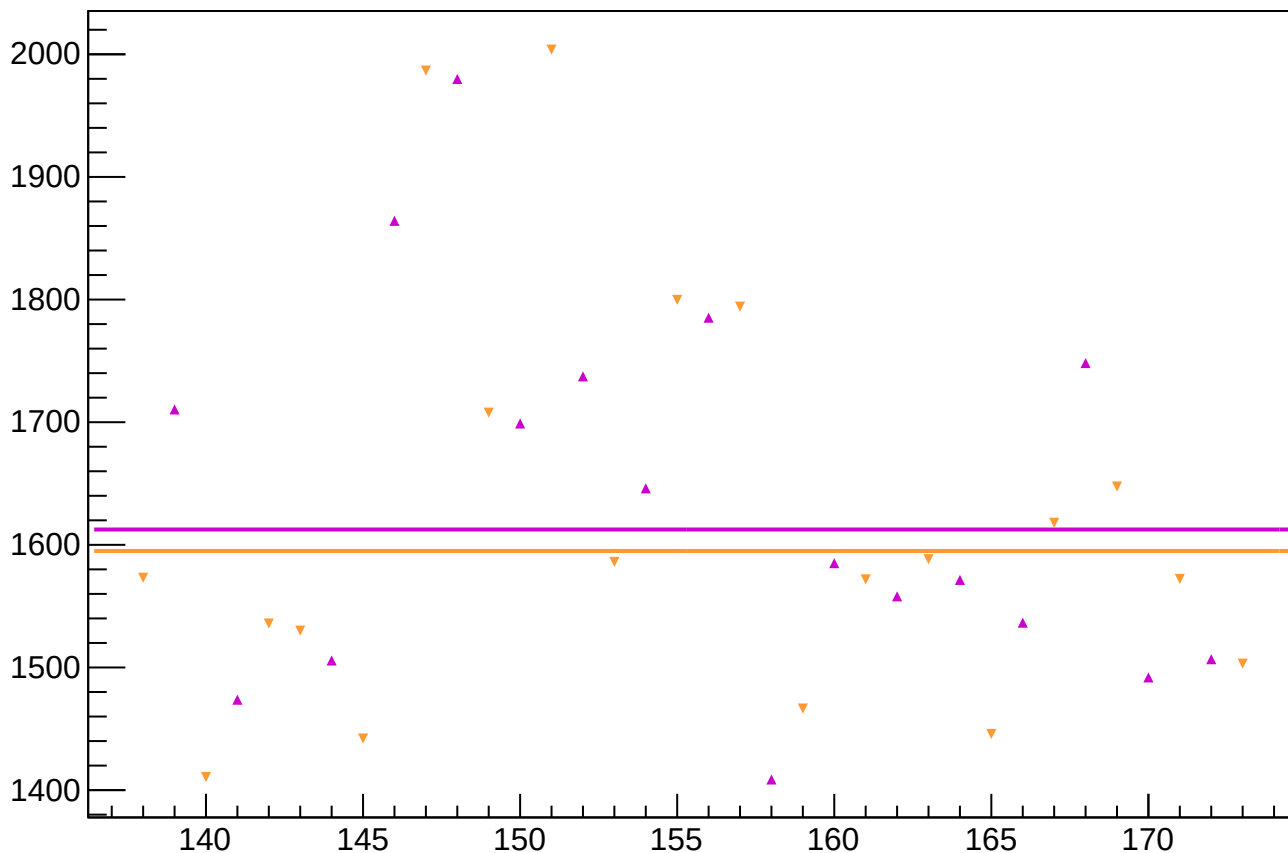
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -188.785+/-443.276 χ^2/NDF :30.8/16

Out: -1057.926+/-425.792 χ^2/NDF :33.6/18

All: -640.833+/-307.076 χ^2/NDF : 66.4/35

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1594.987+/-0.301 χ^2/NDF :253509.5/18

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

Left In: 1612.497+/-0.313 χ^2/NDF :210431.3/16

Left: 1603.390+/-0.217 χ^2/NDF : 465563.8/35

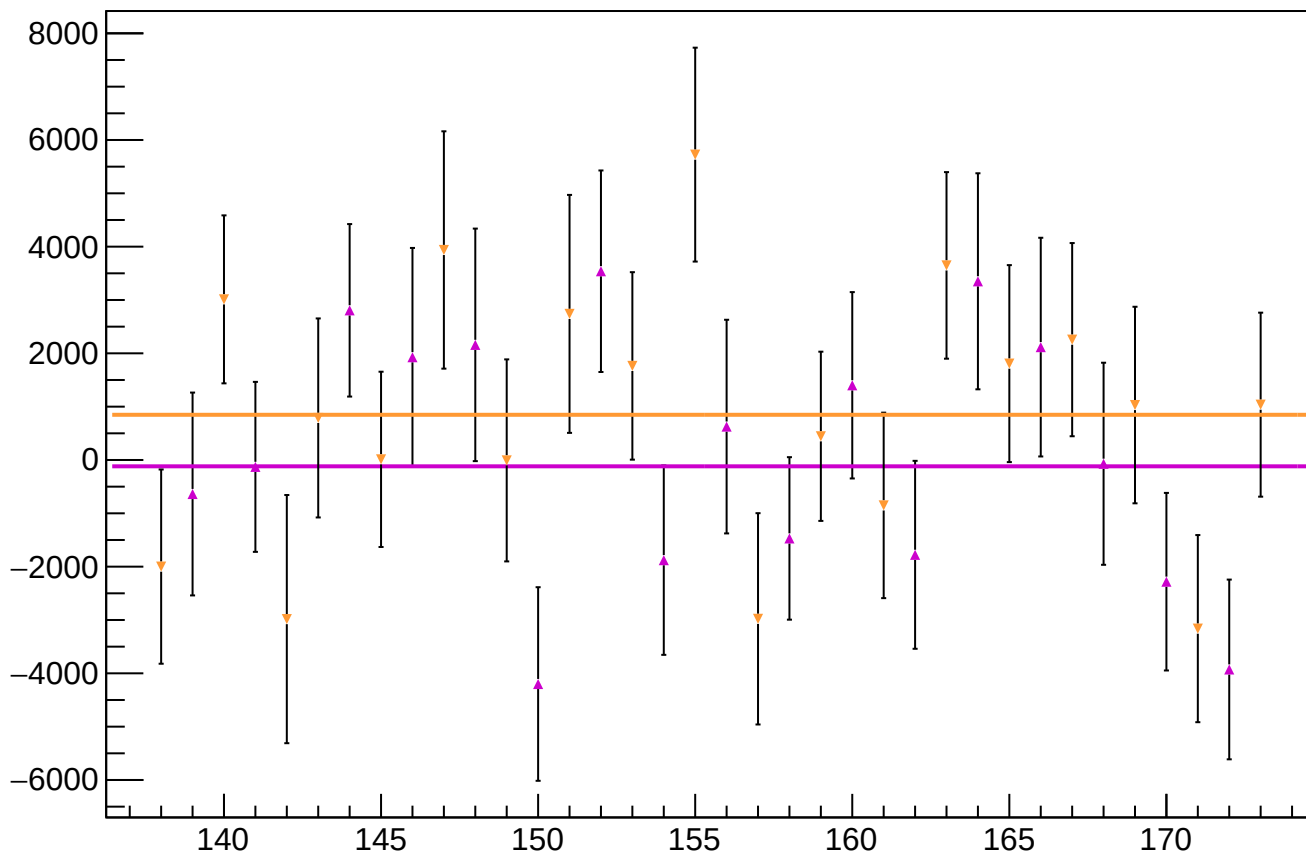
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1612.497+/-0.313 χ^2/NDF :210431.3/16

Out: 1594.987+/-0.301 χ^2/NDF :253509.5/18

All: 1603.390+/-0.217 χ^2/NDF : 465563.8/35

asym_sam_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 847.481+/-420.170 χ^2/NDF :29.8/18

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

Left In: -118.696+/-438.304 χ^2/NDF :28.7/16

Left: 384.792+/-303.313 χ^2/NDF : 61.0/35

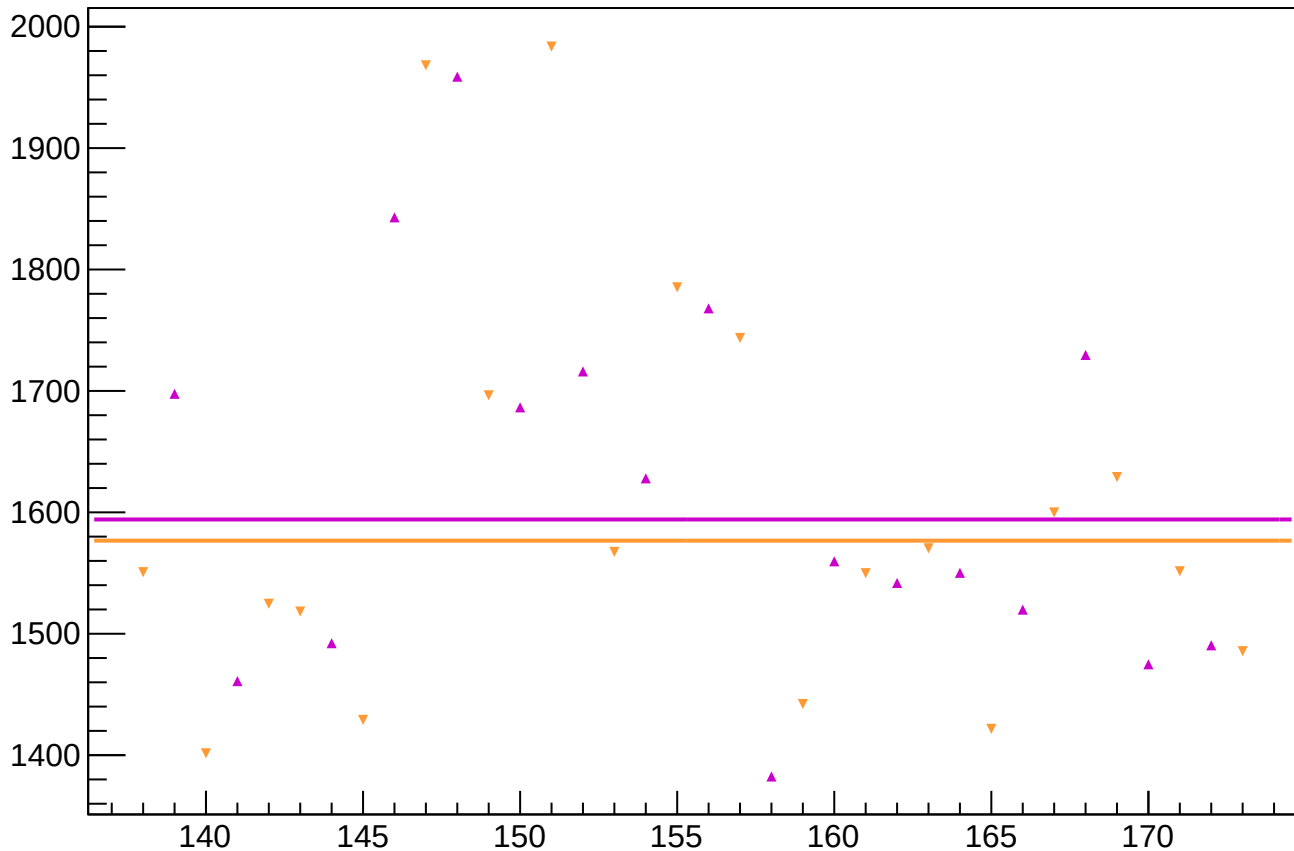
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -118.696+/-438.304 χ^2/NDF :28.7/16

Out: 847.481+/-420.170 χ^2/NDF :29.8/18

All: 384.792+/-303.313 χ^2/NDF : 61.0/35

asym_sam_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 1576.677+/-0.297 χ^2/NDF :253507.8/18

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

Left In: 1594.135+/-0.310 χ^2/NDF :215418.3/16

Left: 1585.037+/-0.214 χ^2/NDF : 470579.7/35

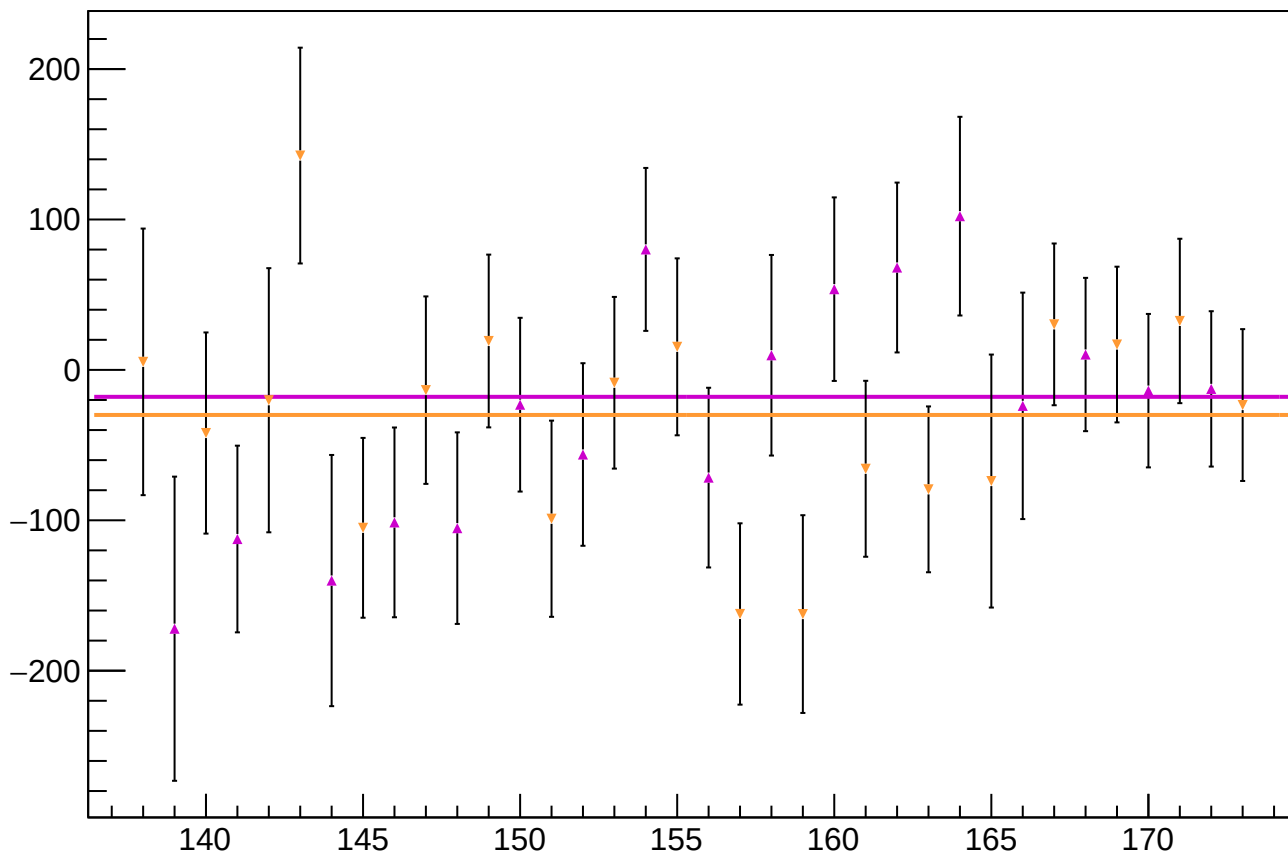
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1594.135+/-0.310 χ^2/NDF :215418.3/16

Out: 1576.677+/-0.297 χ^2/NDF :253507.8/18

All: 1585.037+/-0.214 χ^2/NDF : 470579.7/35

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: -29.961 ± 14.055 $\chi^2/\text{NDF}: 23.9/18$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -17.907 ± 14.829 $\chi^2/\text{NDF}: 22.4/16$

Left: -24.257 ± 10.201 $\chi^2/\text{NDF}: 46.7/35$

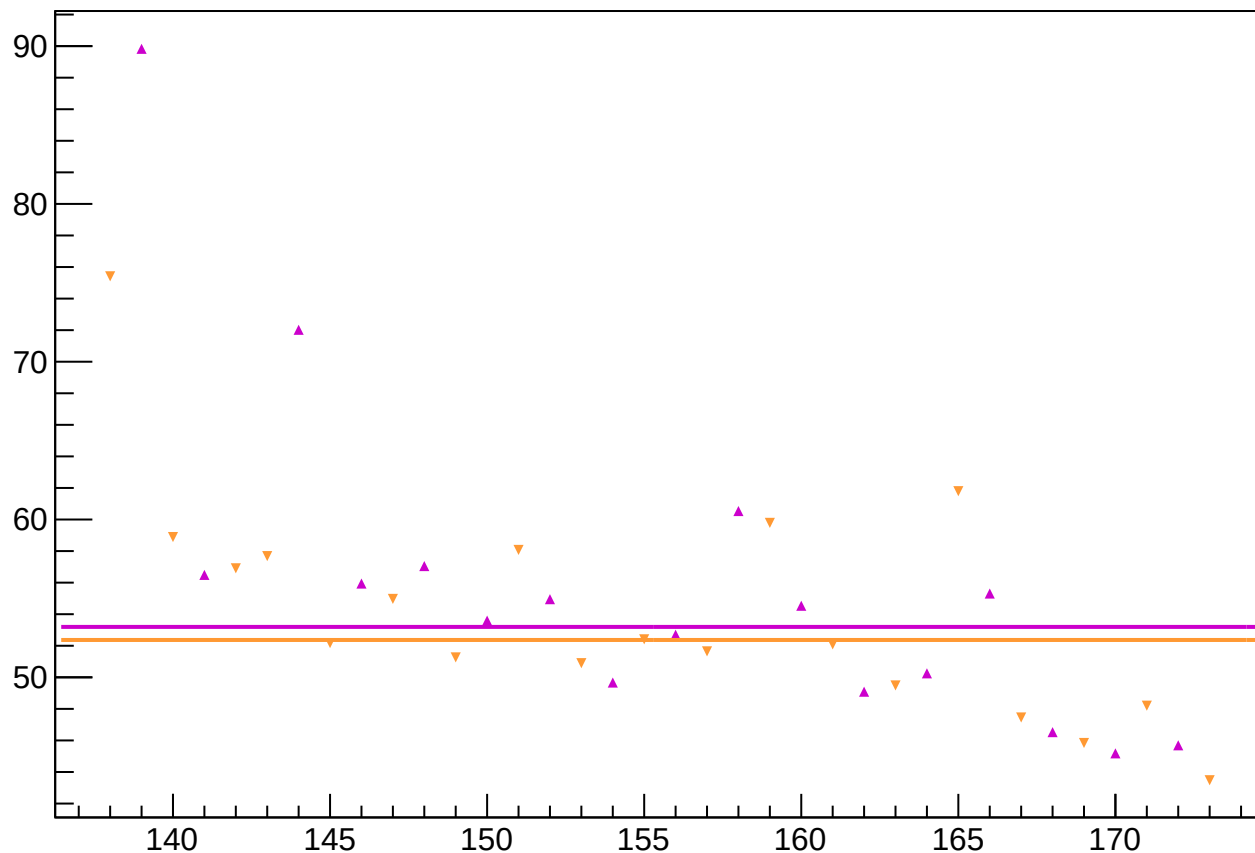
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -17.907 ± 14.829 $\chi^2/\text{NDF}: 22.4/16$

Out: -29.961 ± 14.055 $\chi^2/\text{NDF}: 23.9/18$

All: -24.257 ± 10.201 $\chi^2/\text{NDF}: 46.7/35$

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



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

Left Out: 52.367+/-0.010 χ^2/NDF :369996.4/18

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

Left In: 53.195+/-0.010 χ^2/NDF :558458.9/16

Left: 52.759+/-0.007 χ^2/NDF : 931740.7/35

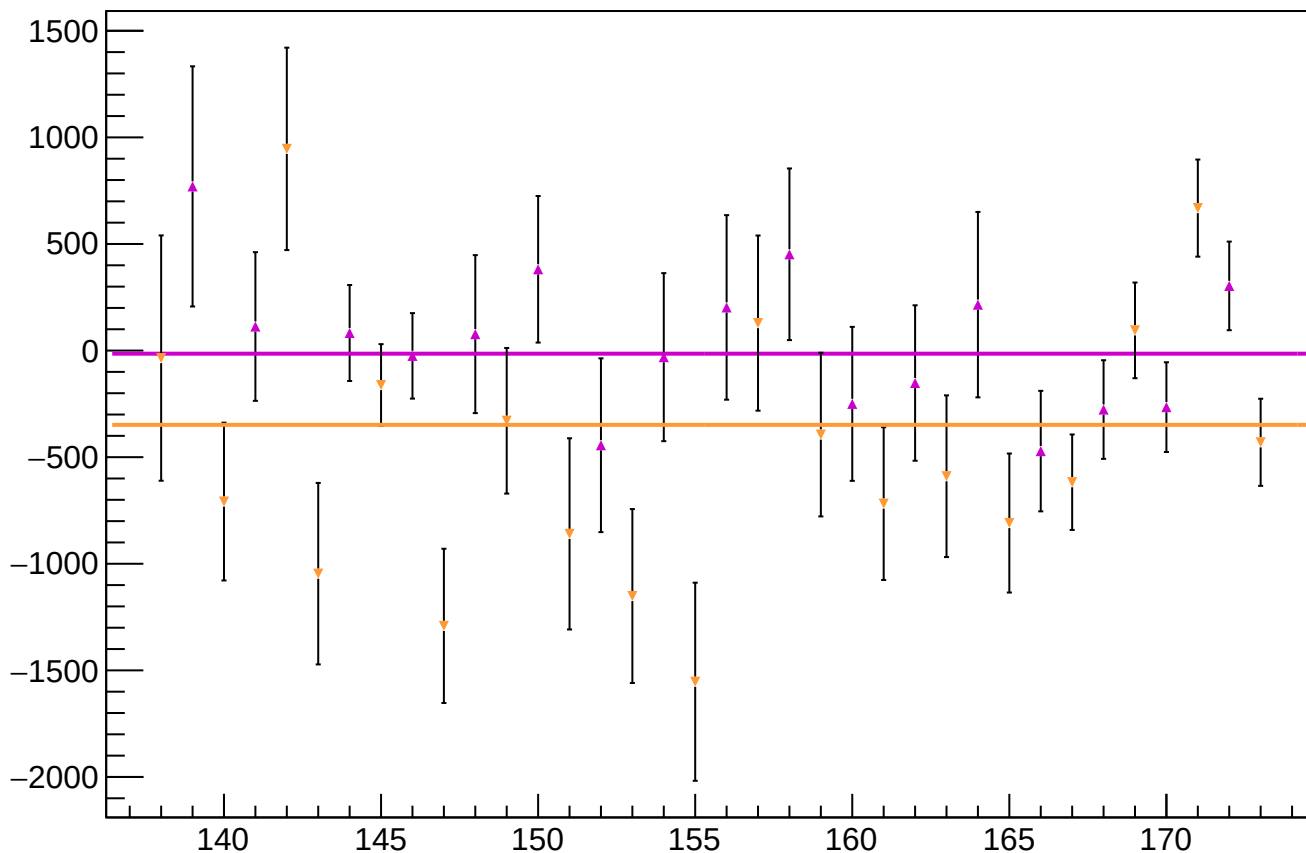
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 53.195+/-0.010 χ^2/NDF :558458.9/16

Out: 52.367+/-0.010 χ^2/NDF :369996.4/18

All: 52.759+/-0.007 χ^2/NDF : 931740.7/35

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -348.370+/-70.854 χ^2/NDF : 61.3/18

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

Left In: -14.548+/-71.957 χ^2/NDF : 14.9/16

Left: -184.038+/-50.487 χ^2/NDF : 87.1/35

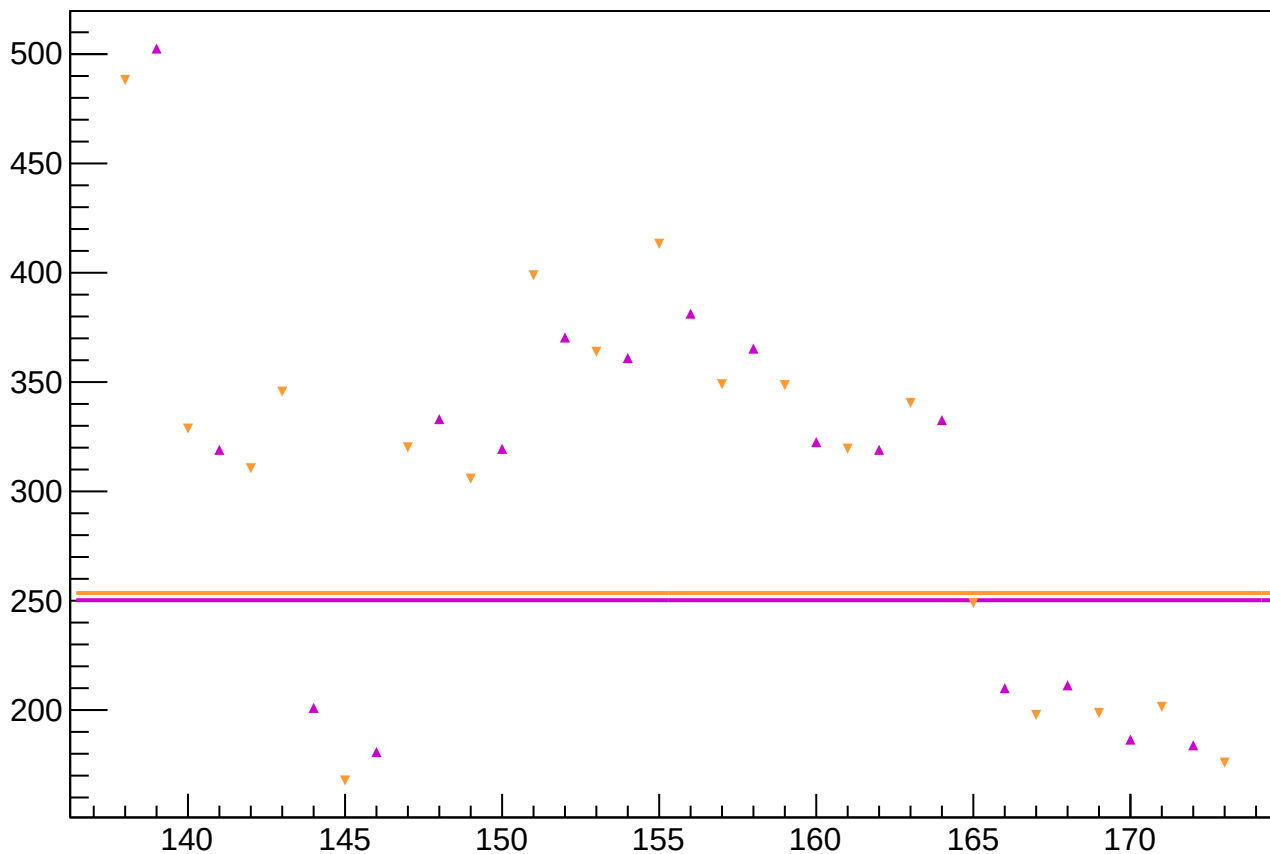
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -14.548+/-71.957 χ^2/NDF : 14.9/16

Out: -348.370+/-70.854 χ^2/NDF : 61.3/18

All: -184.038+/-50.487 χ^2/NDF : 87.1/35

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 253.507+/-0.050 χ^2/NDF :2685988.8/18

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

Left In: 250.223+/-0.051 χ^2/NDF :2382480.6/16

Left: 251.890+/-0.036 χ^2/NDF : 5070583.6/35

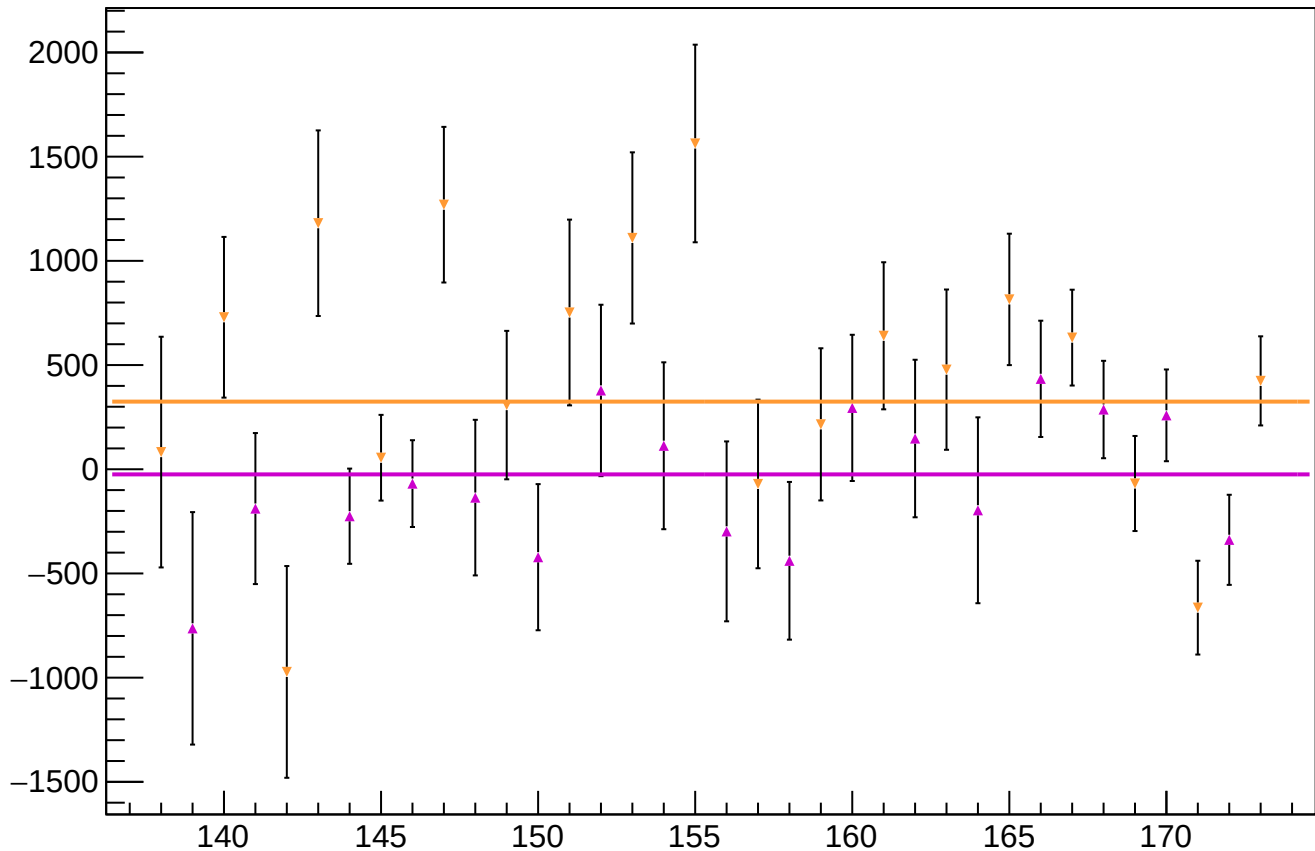
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 250.223+/-0.051 χ^2/NDF :2382480.6/16

Out: 253.507+/-0.050 χ^2/NDF :2685988.8/18

All: 251.890+/-0.036 χ^2/NDF : 5070583.6/35

asym_sam_37_dd_mean vs Slug, Sign Corrected



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

Left Out: 324.604+/-72.314 χ^2/NDF :59.7/18

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

Left In: -24.619+/-73.283 χ^2/NDF :16.3/16

Left: 152.317+/-51.473 χ^2/NDF : 87.5/35

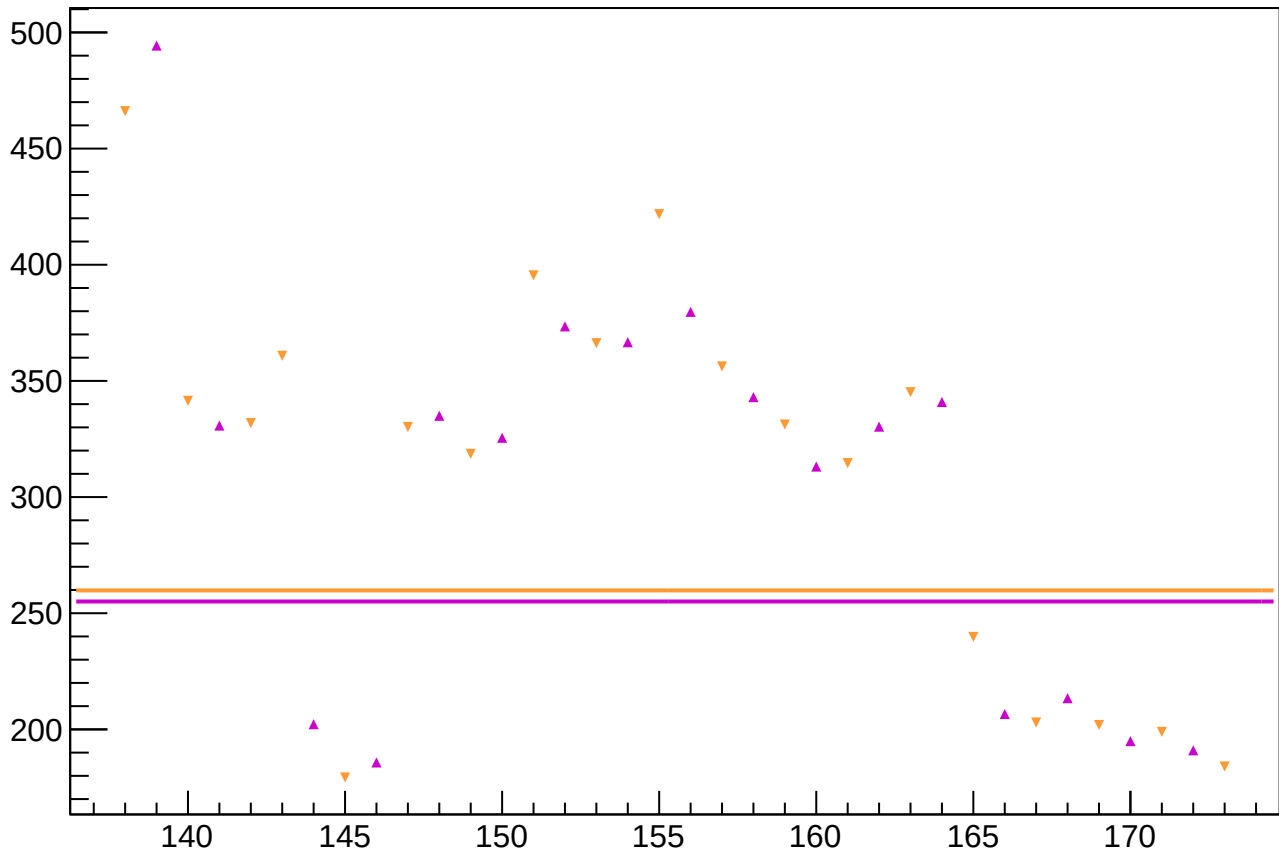
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -24.619+/-73.283 χ^2/NDF :16.3/16

Out: 324.604+/-72.314 χ^2/NDF :59.7/18

All: 152.317+/-51.473 χ^2/NDF : 87.5/35

asym_sam_37_dd_rms vs Slug, Sign Corrected



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

Left Out: 259.824+/-0.051 χ^2/NDF :2489265.5/18

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

Left In: 255.047+/-0.052 χ^2/NDF :2209098.5/16

Left: 257.467+/-0.036 χ^2/NDF : 4702669.5/35

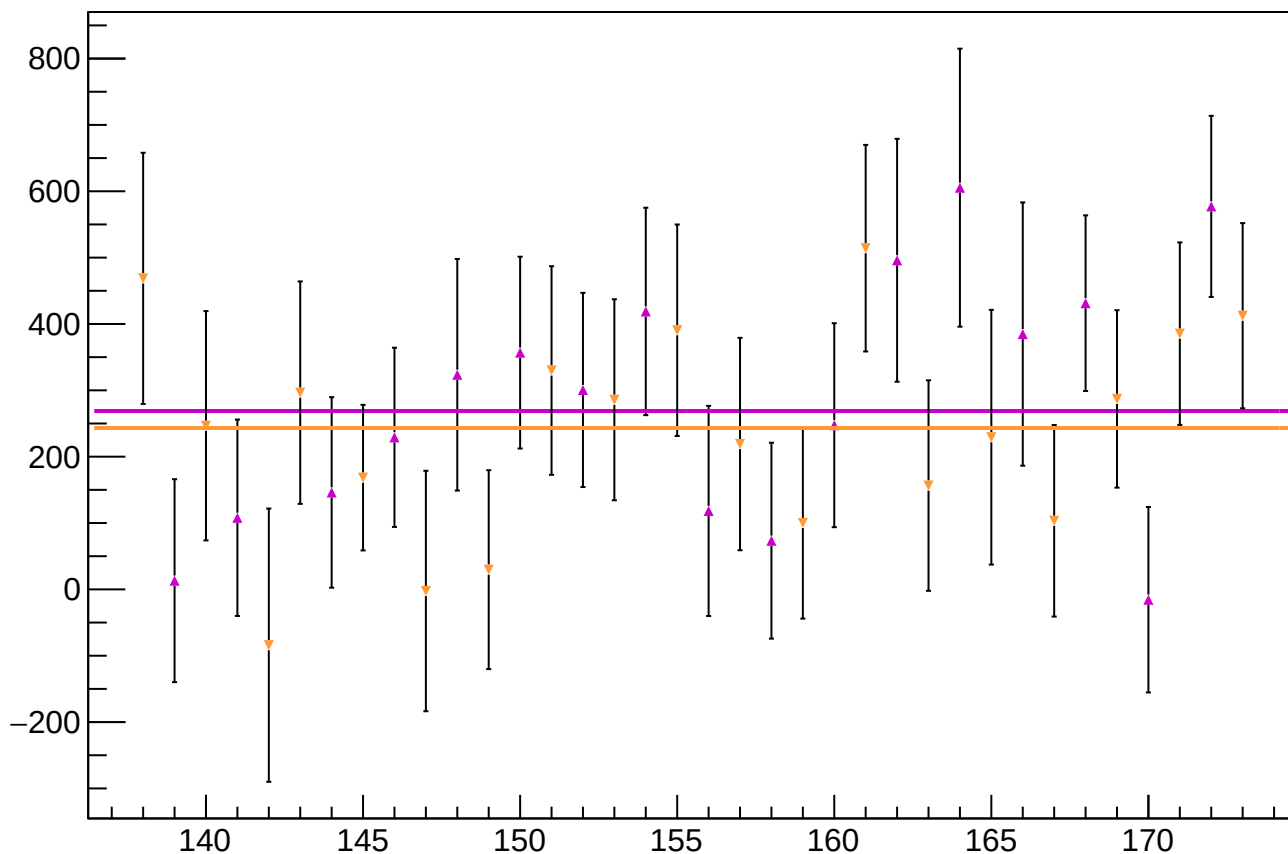
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 255.047+/-0.052 χ^2/NDF :2209098.5/16

Out: 259.824+/-0.051 χ^2/NDF :2489265.5/18

All: 257.467+/-0.036 χ^2/NDF : 4702669.5/35

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



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

Left Out: 243.246+/-35.235 χ^2/NDF :17.5/18

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

Left In: 268.838+/-37.059 χ^2/NDF :24.1/16

Left: 255.396+/-25.535 χ^2/NDF : 41.9/35

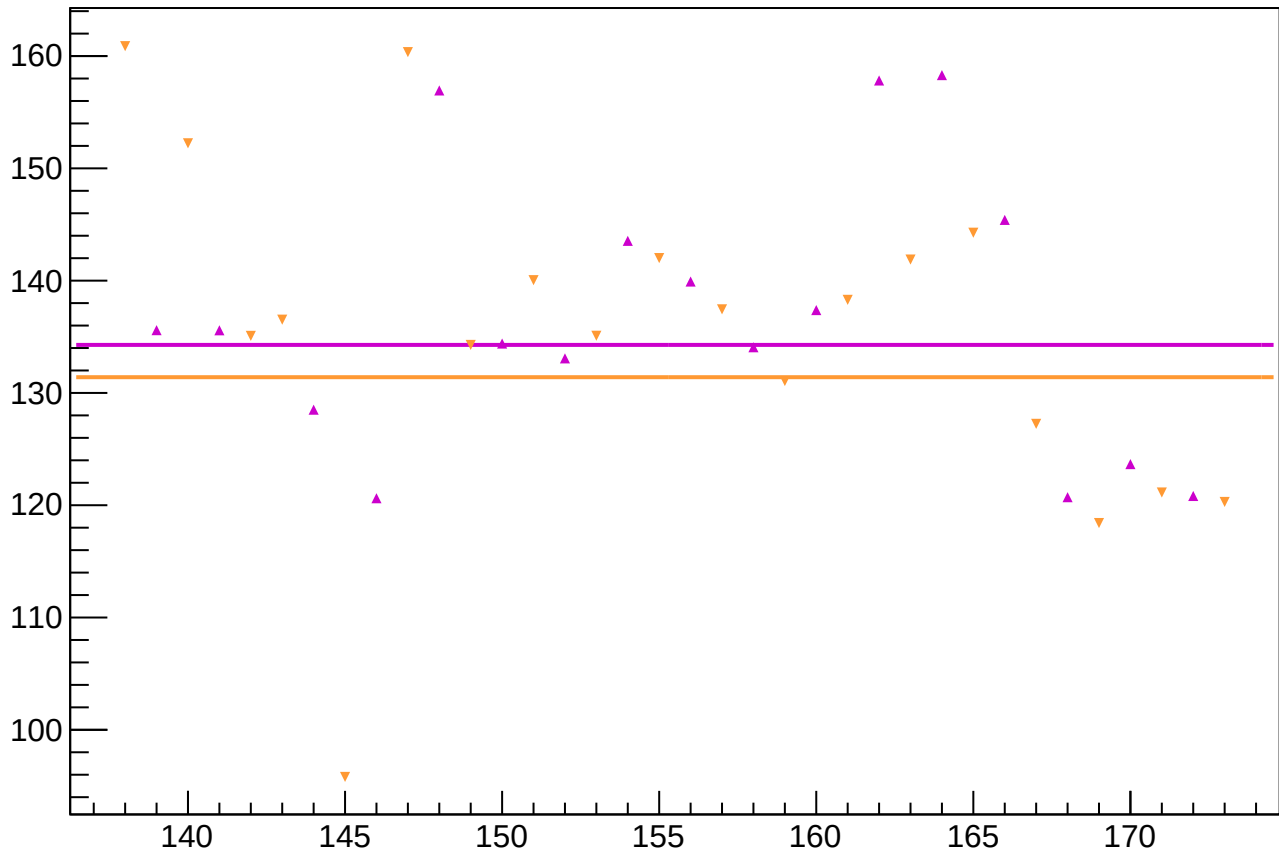
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 268.838+/-37.059 χ^2/NDF :24.1/16

Out: 243.246+/-35.235 χ^2/NDF :17.5/18

All: 255.396+/-25.535 χ^2/NDF : 41.9/35

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 131.402+/-0.025 χ^2/NDF :427303.9/18

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

Left In: 134.278+/-0.026 χ^2/NDF :185871.0/16

Left: 132.767+/-0.018 χ^2/NDF : 619501.5/35

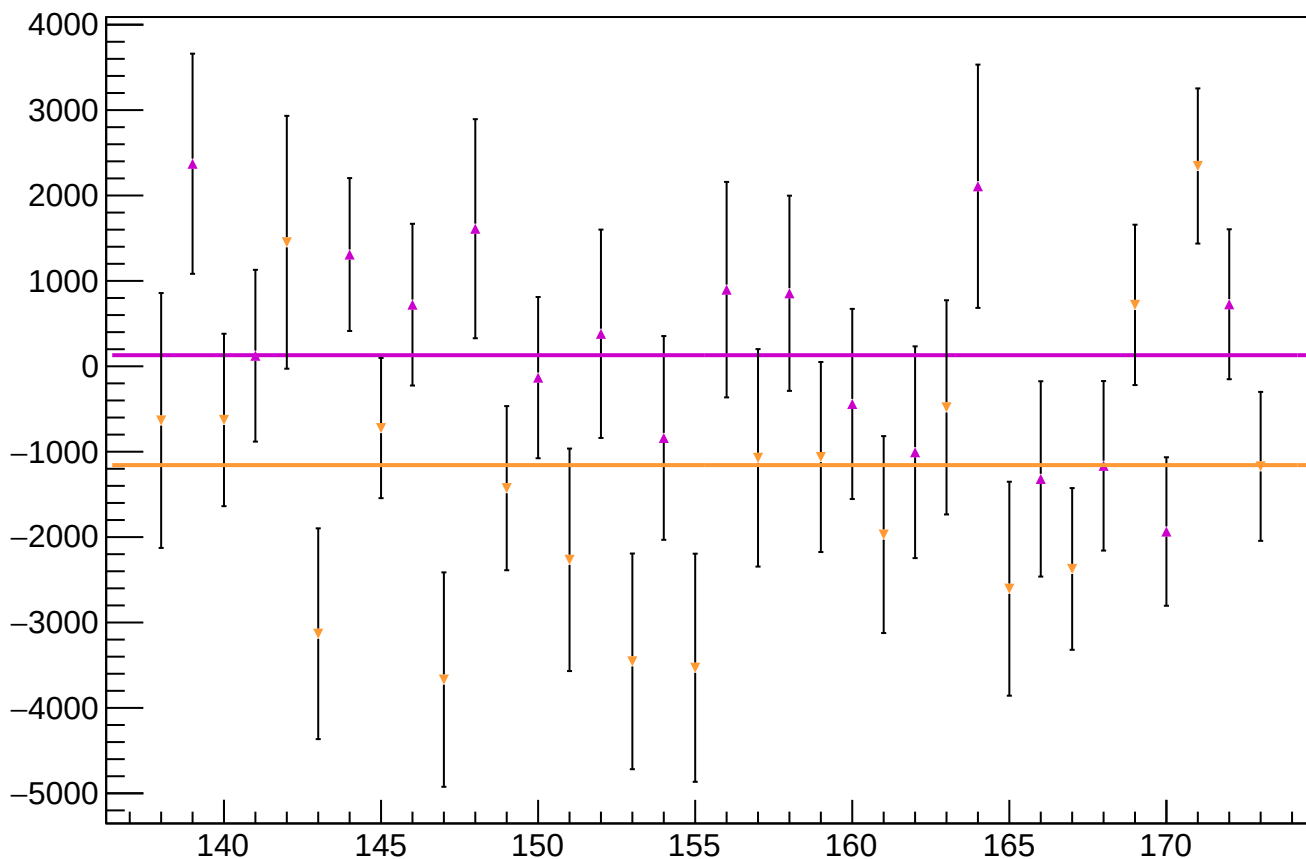
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 134.278+/-0.026 χ^2/NDF :185871.0/16

Out: 131.402+/-0.025 χ^2/NDF :427303.9/18

All: 132.767+/-0.018 χ^2/NDF : 619501.5/35

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -1156.828+/-251.983 χ^2/NDF :40.3/18

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

Left In: 130.132+/-259.905 χ^2/NDF :20.5/16

Left: -533.260+/-180.915 χ^2/NDF : 73.4/35

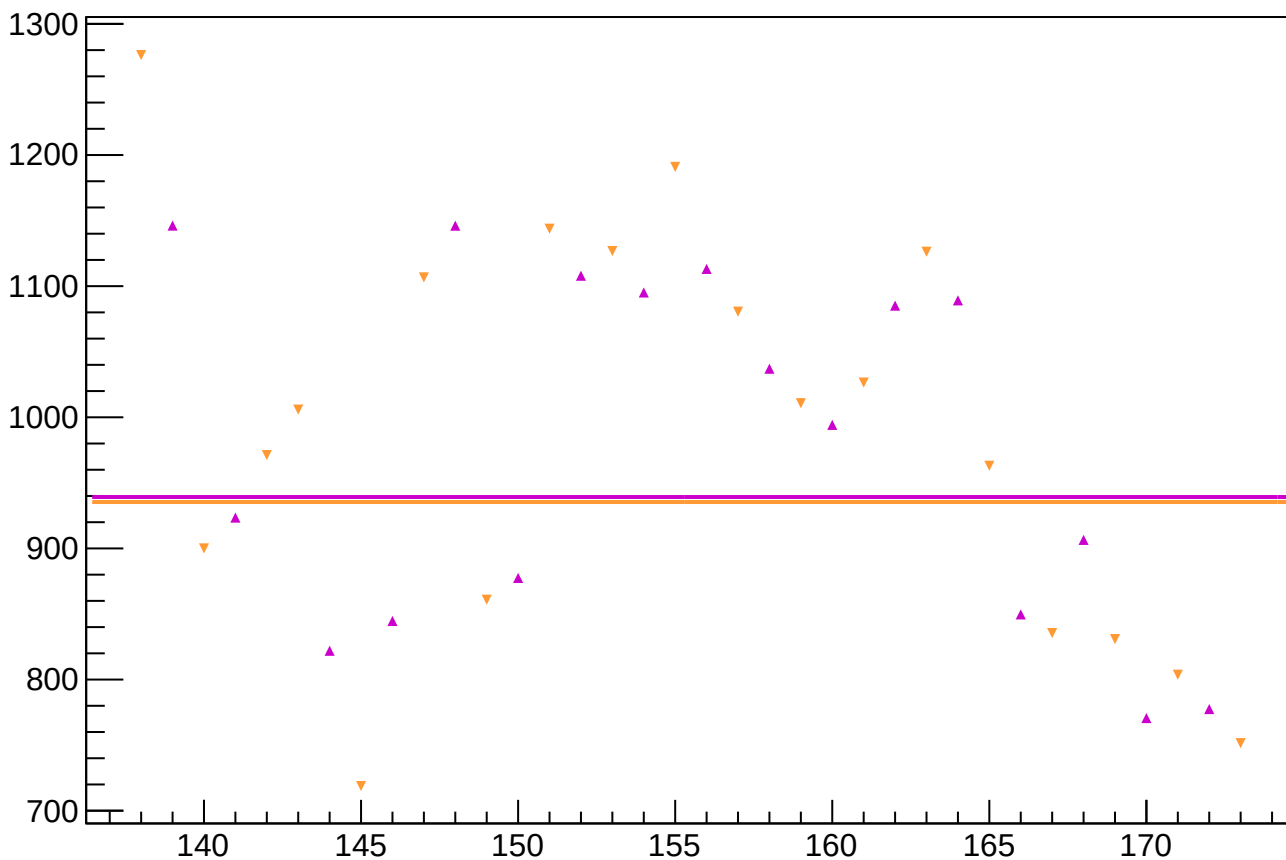
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 130.132+/-259.905 χ^2/NDF :20.5/16

Out: -1156.828+/-251.983 χ^2/NDF :40.3/18

All: -533.260+/-180.915 χ^2/NDF : 73.4/35

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 935.391+/-0.178 χ^2/NDF : 746366.0/18

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

Left In: 939.199+/-0.184 χ^2/NDF : 504291.2/16

Left: 937.236+/-0.128 χ^2/NDF : 1250878.5/35

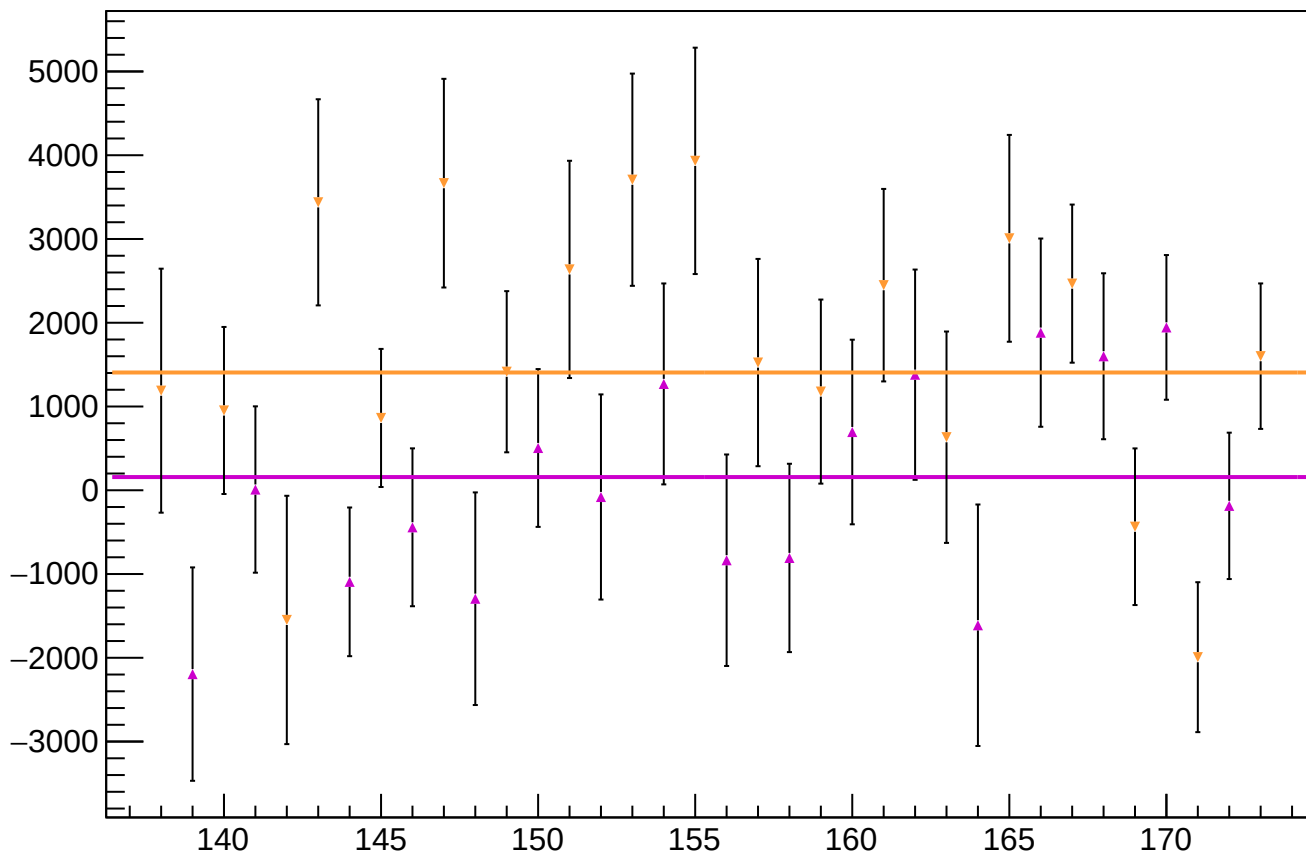
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 939.199+/-0.184 χ^2/NDF : 504291.2/16

Out: 935.391+/-0.178 χ^2/NDF : 746366.0/18

All: 937.236+/-0.128 χ^2/NDF : 1250878.5/35

asym_sam_48_dd_mean vs Slug, Sign Corrected



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

Left Out: 1406.035+/-250.653 χ^2/NDF :40.9/18

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

Left In: 157.672+/-258.602 χ^2/NDF :21.1/16

Left: 801.334+/-179.983 χ^2/NDF : 74.0/35

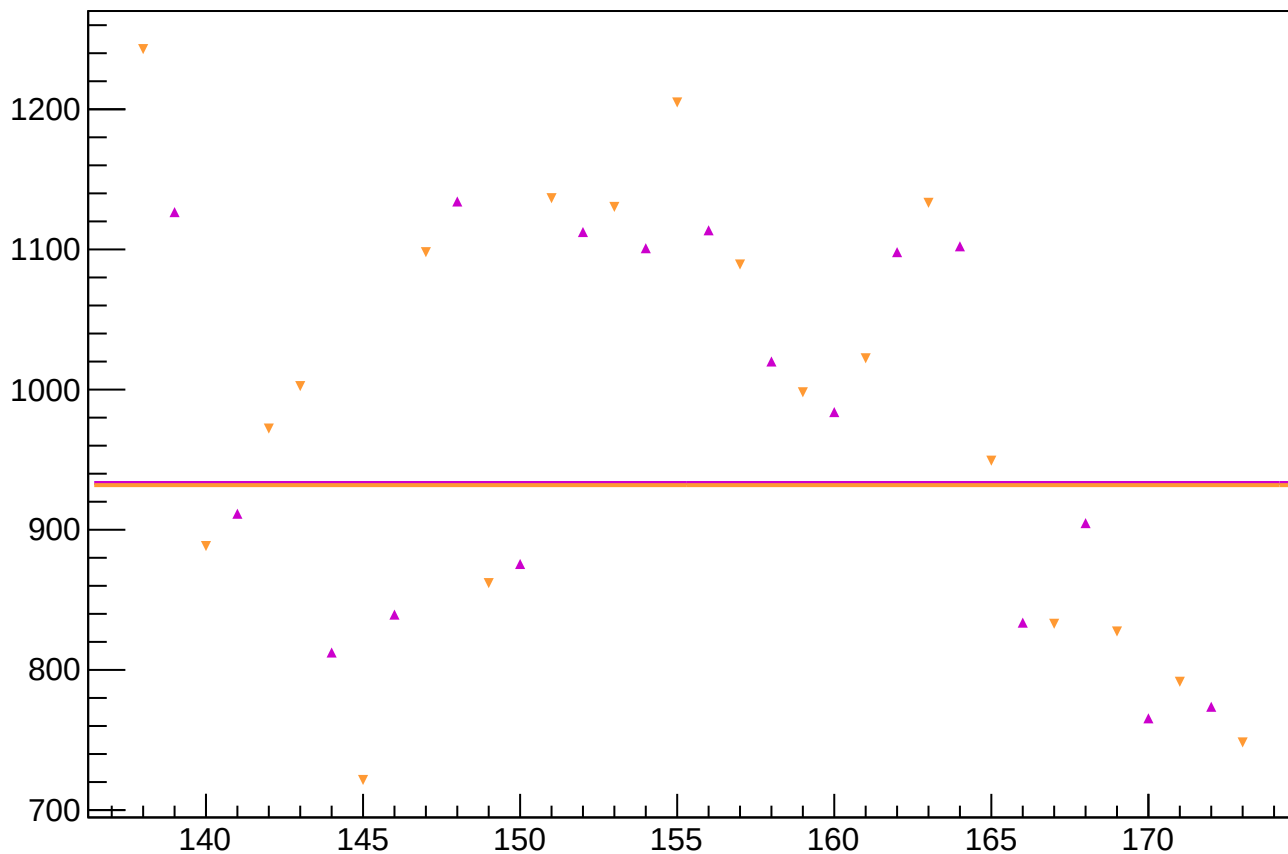
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 157.672+/-258.602 χ^2/NDF :21.1/16

Out: 1406.035+/-250.653 χ^2/NDF :40.9/18

All: 801.334+/-179.983 χ^2/NDF : 74.0/35

asym_sam_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 931.836+/-0.177 χ^2/NDF : 748880.8/18

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

Left In: 933.371+/-0.183 χ^2/NDF : 521843.8/16

Left: 932.580+/-0.127 χ^2/NDF : 1270760.9/35

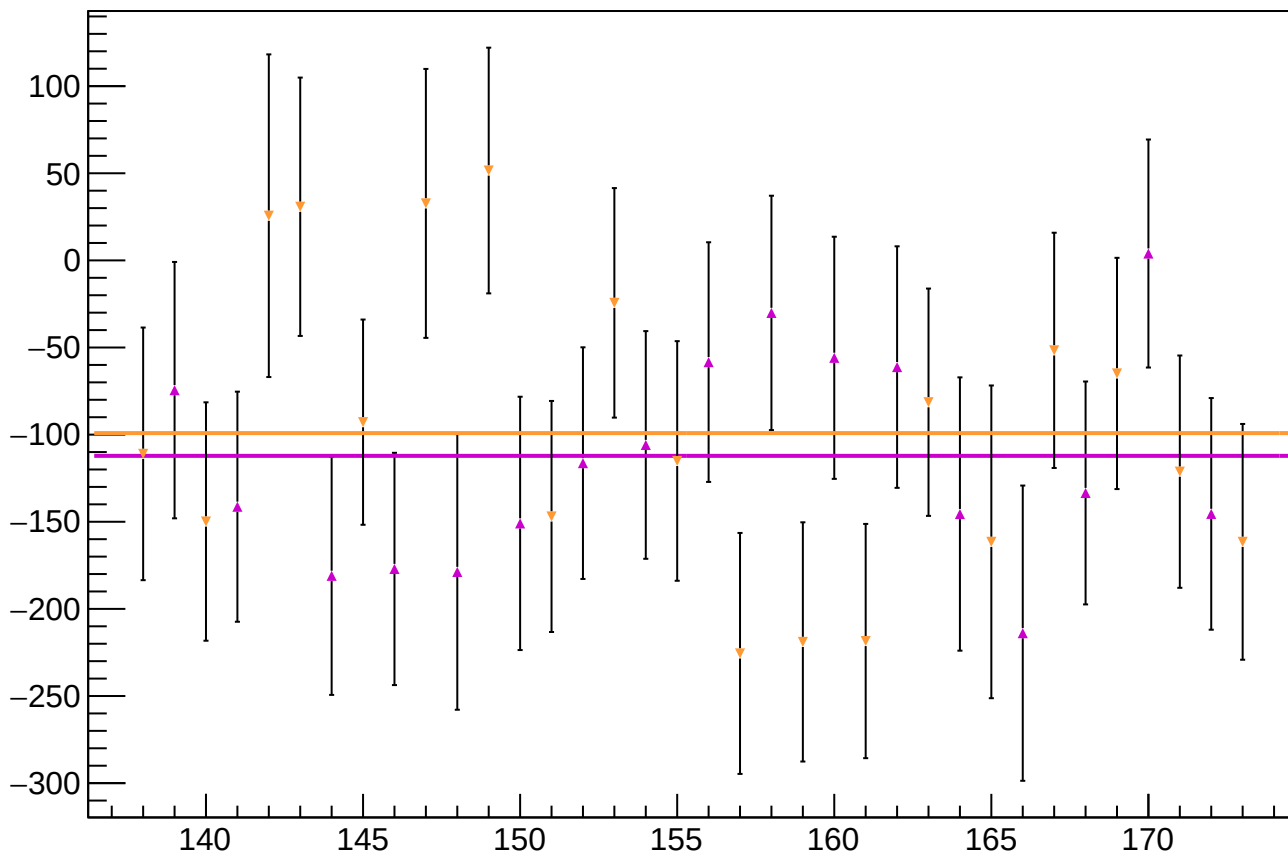
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 933.371+/-0.183 χ^2/NDF : 521843.8/16

Out: 931.836+/-0.177 χ^2/NDF : 748880.8/18

All: 932.580+/-0.127 χ^2/NDF : 1270760.9/35

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: -99.115+/-15.969 χ^2/NDF :26.6/18

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

Left In: -112.168+/-16.862 χ^2/NDF :11.9/16

Left: -105.287+/-11.594 χ^2/NDF : 38.8/35

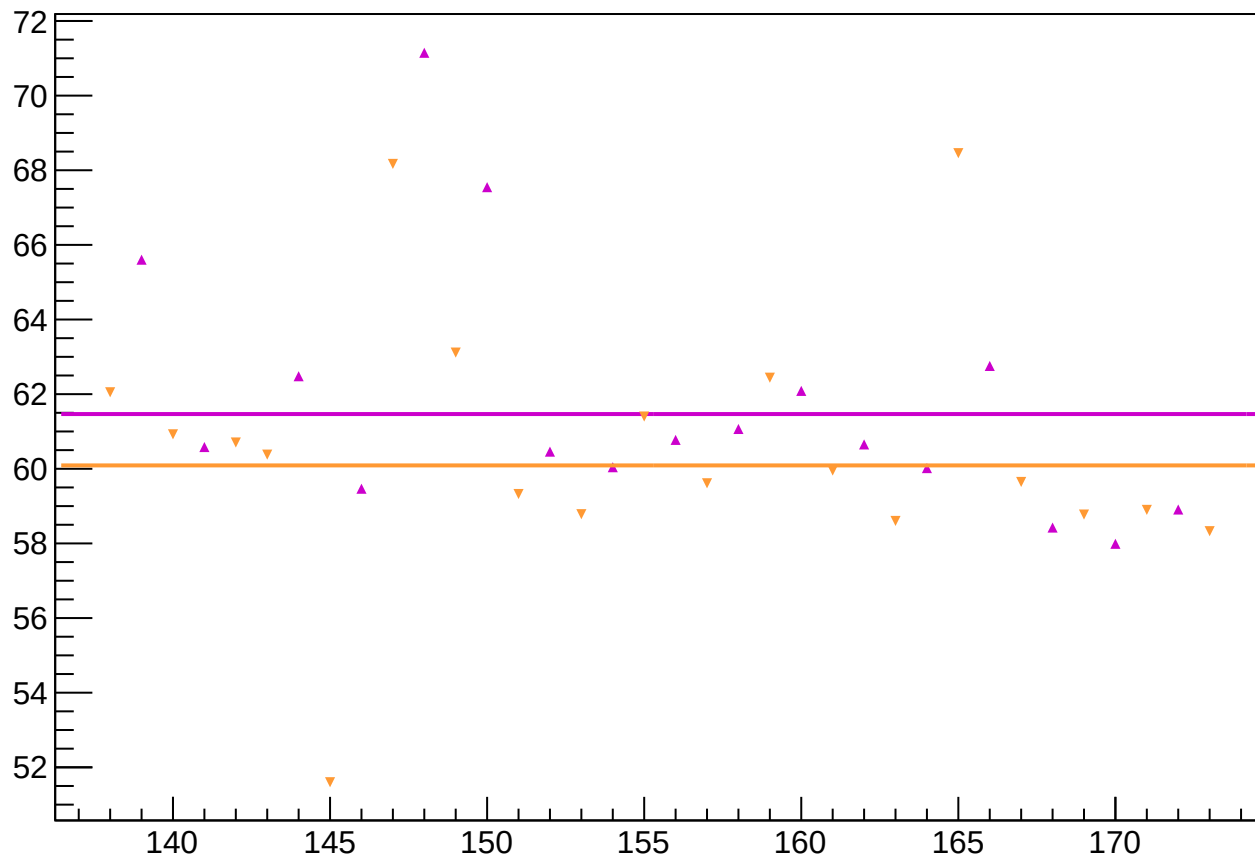
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -112.168+/-16.862 χ^2/NDF :11.9/16

Out: -99.115+/-15.969 χ^2/NDF :26.6/18

All: -105.287+/-11.594 χ^2/NDF : 38.8/35

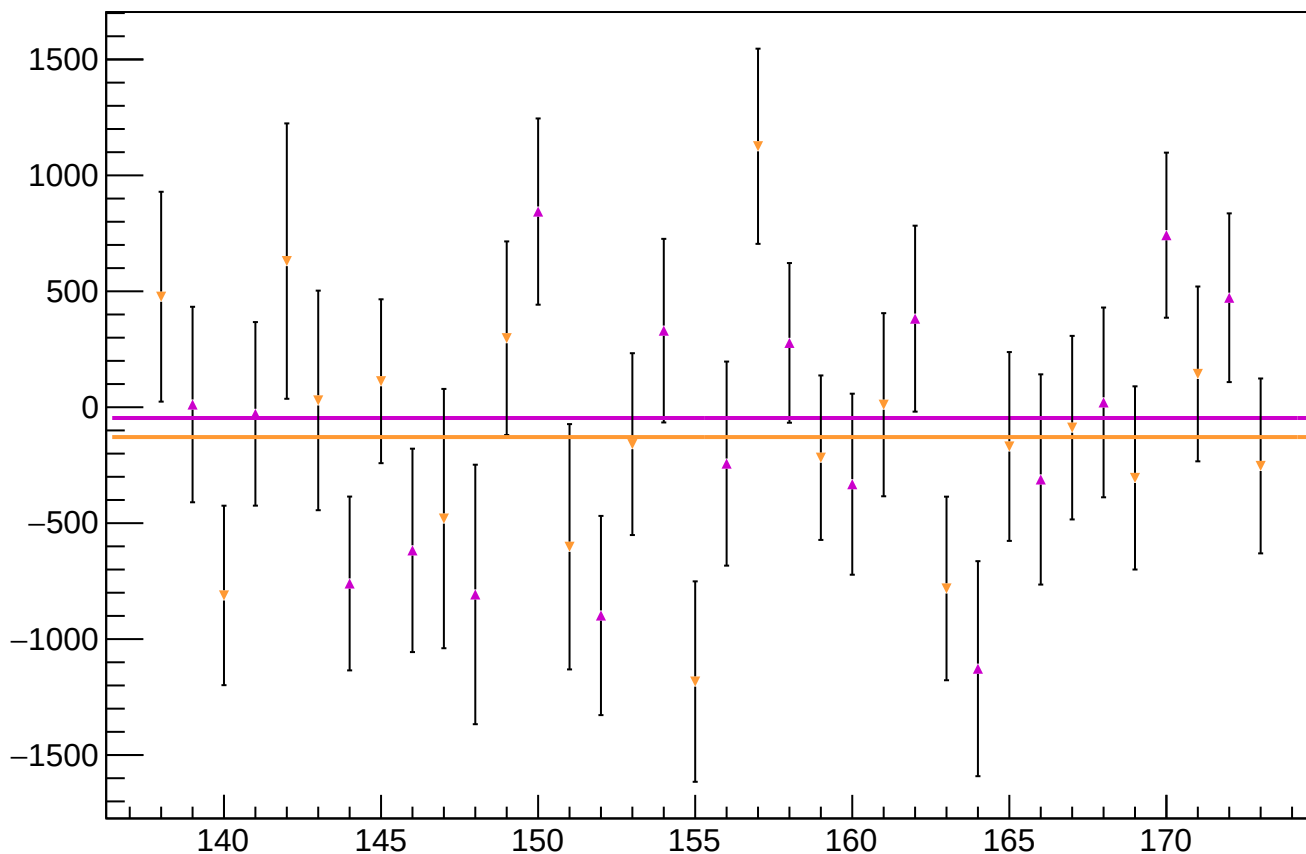
dit_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 60.091+/-0.011 χ^2/NDF :94574.8/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 61.467+/-0.012 χ^2/NDF :69277.2/16

Left: 60.741+/-0.008 χ^2/NDF : 170873.8/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 61.467+/-0.012 χ^2/NDF :69277.2/16
 Out: 60.091+/-0.011 χ^2/NDF :94574.8/18
 All: 60.741+/-0.008 χ^2/NDF : 170873.8/35

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: -128.672+/-95.131 χ^2/NDF :27.9/18

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

Left In: -46.429+/-98.621 χ^2/NDF :32.4/16

Left: -89.031+/-68.468 χ^2/NDF : 60.8/35

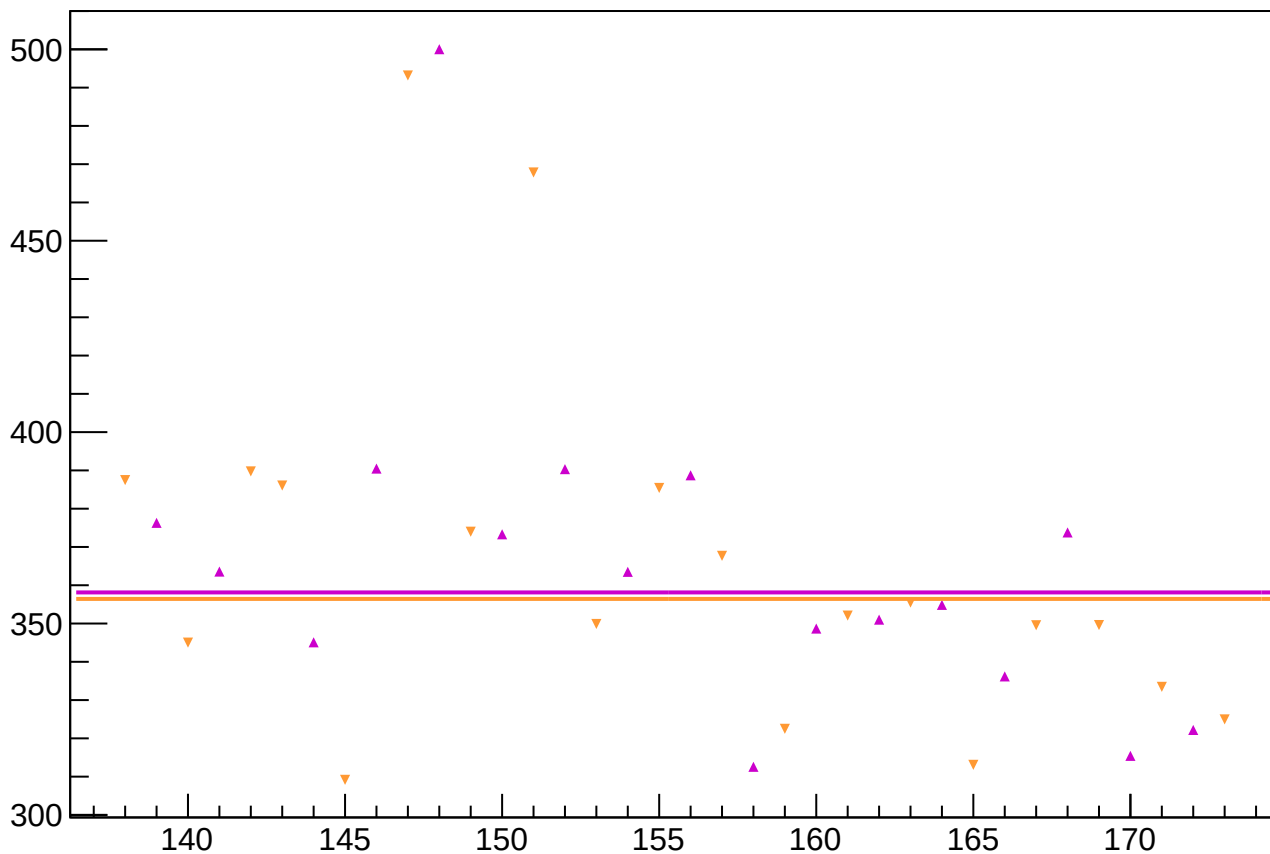
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -46.429+/-98.621 χ^2/NDF :32.4/16

Out: -128.672+/-95.131 χ^2/NDF :27.9/18

All: -89.031+/-68.468 χ^2/NDF : 60.8/35

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: 356.427+/-0.067 χ^2/NDF : 347640.1/18

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

Left In: 358.125+/-0.070 χ^2/NDF : 262930.1/16

Left: 357.246+/-0.048 χ^2/NDF : 610877.1/35

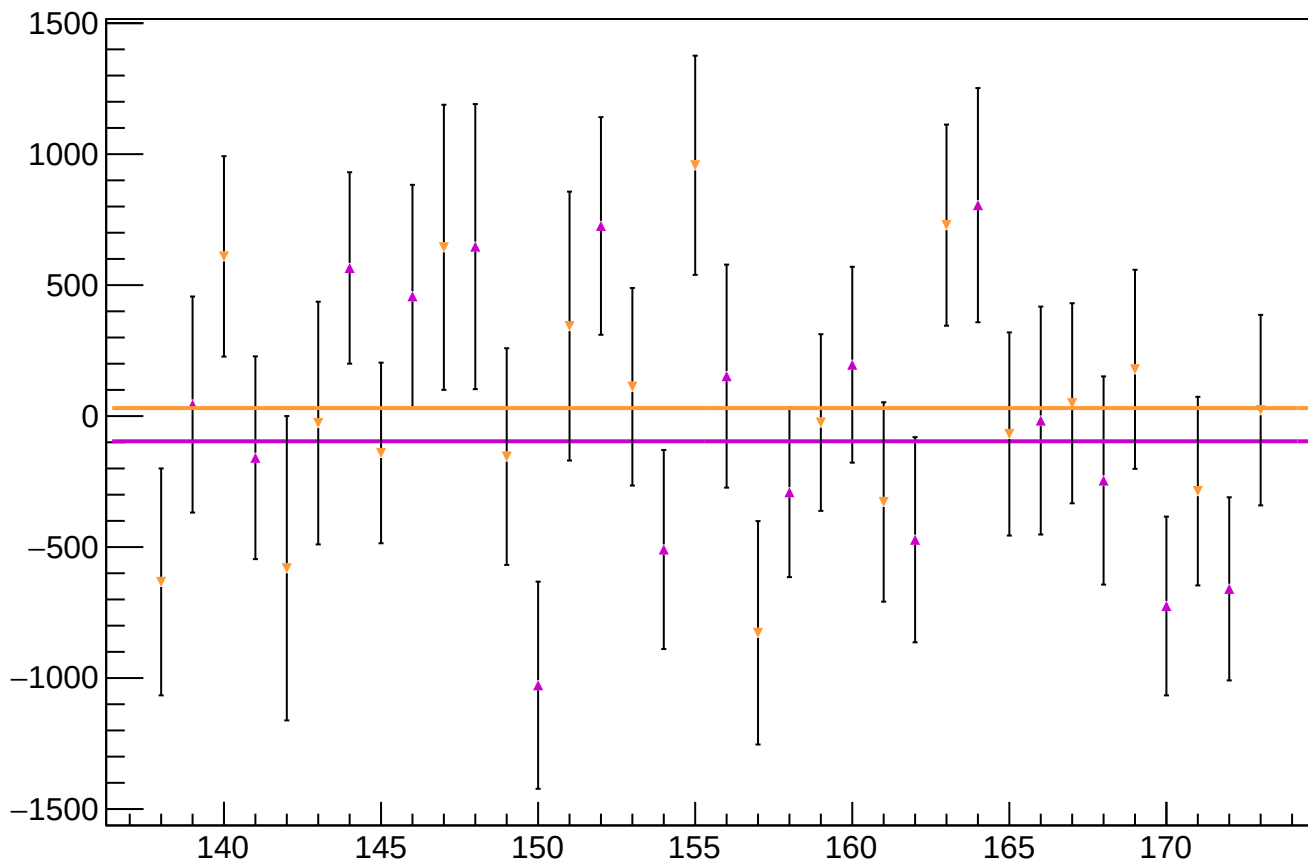
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 358.125+/-0.070 χ^2/NDF : 262930.1/16

Out: 356.427+/-0.067 χ^2/NDF : 347640.1/18

All: 357.246+/-0.048 χ^2/NDF : 610877.1/35

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



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

Left Out: 30.537+/-92.195 χ^2/NDF :22.1/18

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

Left In: -96.129+/-95.276 χ^2/NDF :30.1/16

Left: -30.714+/-66.254 χ^2/NDF : 53.1/35

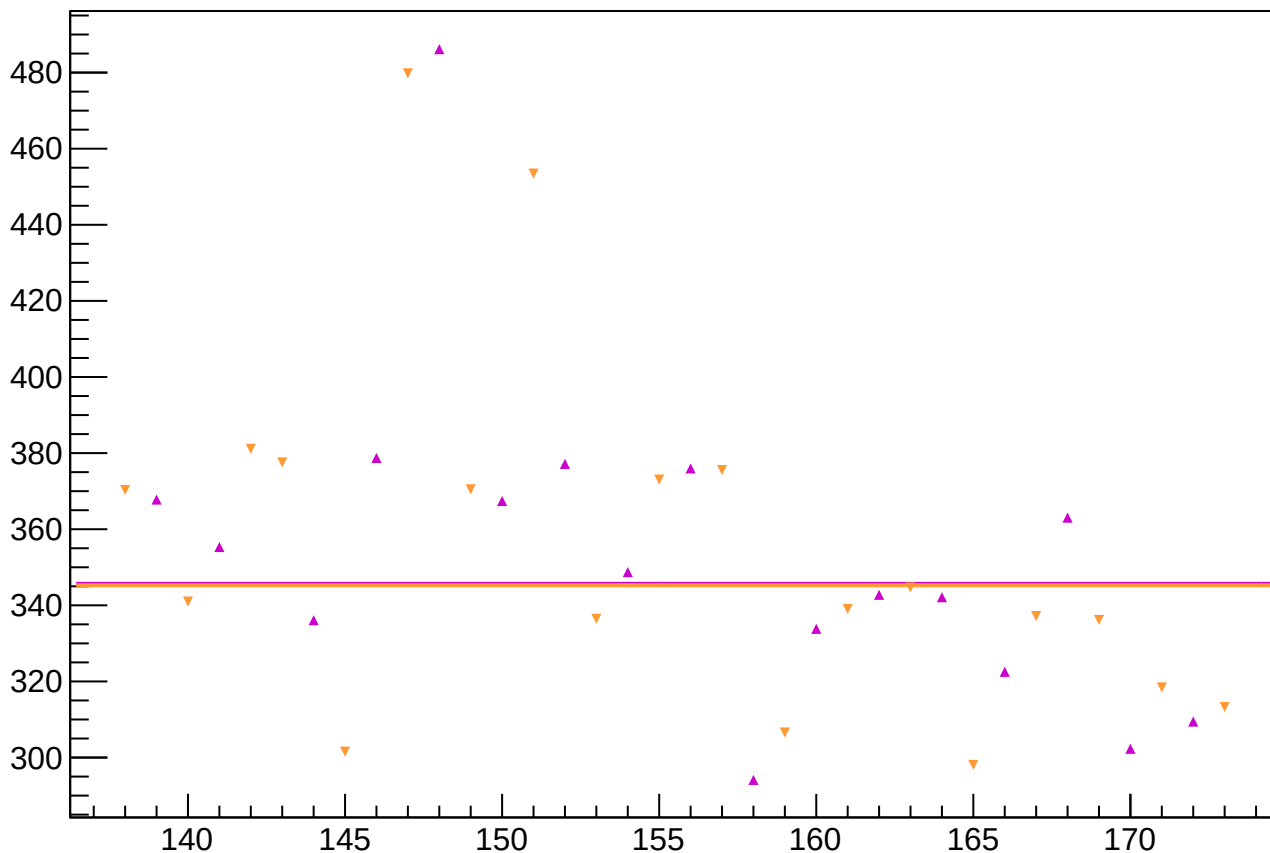
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -96.129+/-95.276 χ^2/NDF :30.1/16

Out: 30.537+/-92.195 χ^2/NDF :22.1/18

All: -30.714+/-66.254 χ^2/NDF : 53.1/35

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



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

Left Out: 345.270+/-0.065 χ^2/NDF : 380114.6/18

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

Left In: 345.643+/-0.067 χ^2/NDF : 297654.7/16

Left: 345.450+/-0.047 χ^2/NDF : 677785.2/35

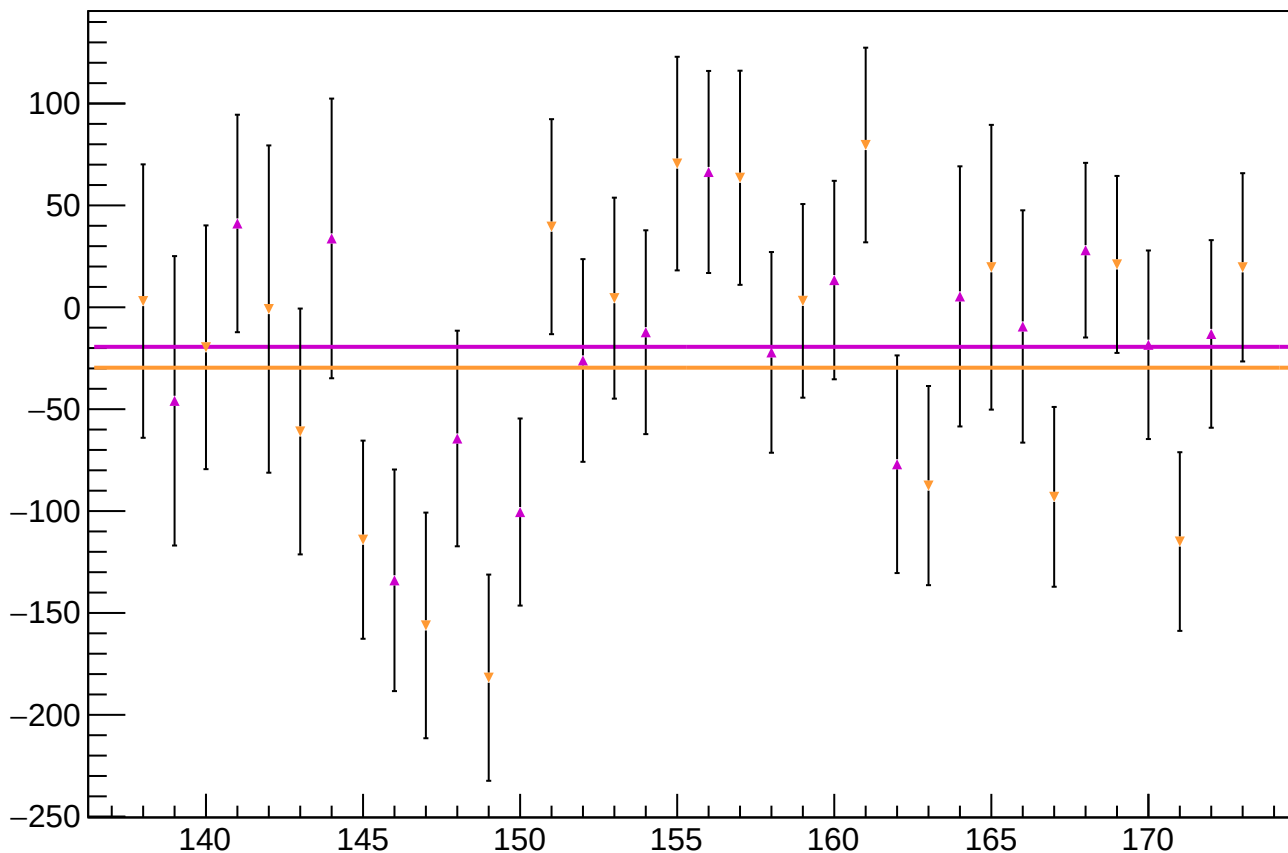
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 345.643+/-0.067 χ^2/NDF : 297654.7/16

Out: 345.270+/-0.065 χ^2/NDF : 380114.6/18

All: 345.450+/-0.047 χ^2/NDF : 677785.2/35

dit_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



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

Left Out: -29.645 $\pm$ 11.863 χ^2 /NDF:42.9/18

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

Left In: -19.401 $\pm$ 12.535 χ^2 /NDF:16.4/16

Left: -24.806 $\pm$ 8.616 χ^2 /NDF: 59.6/35

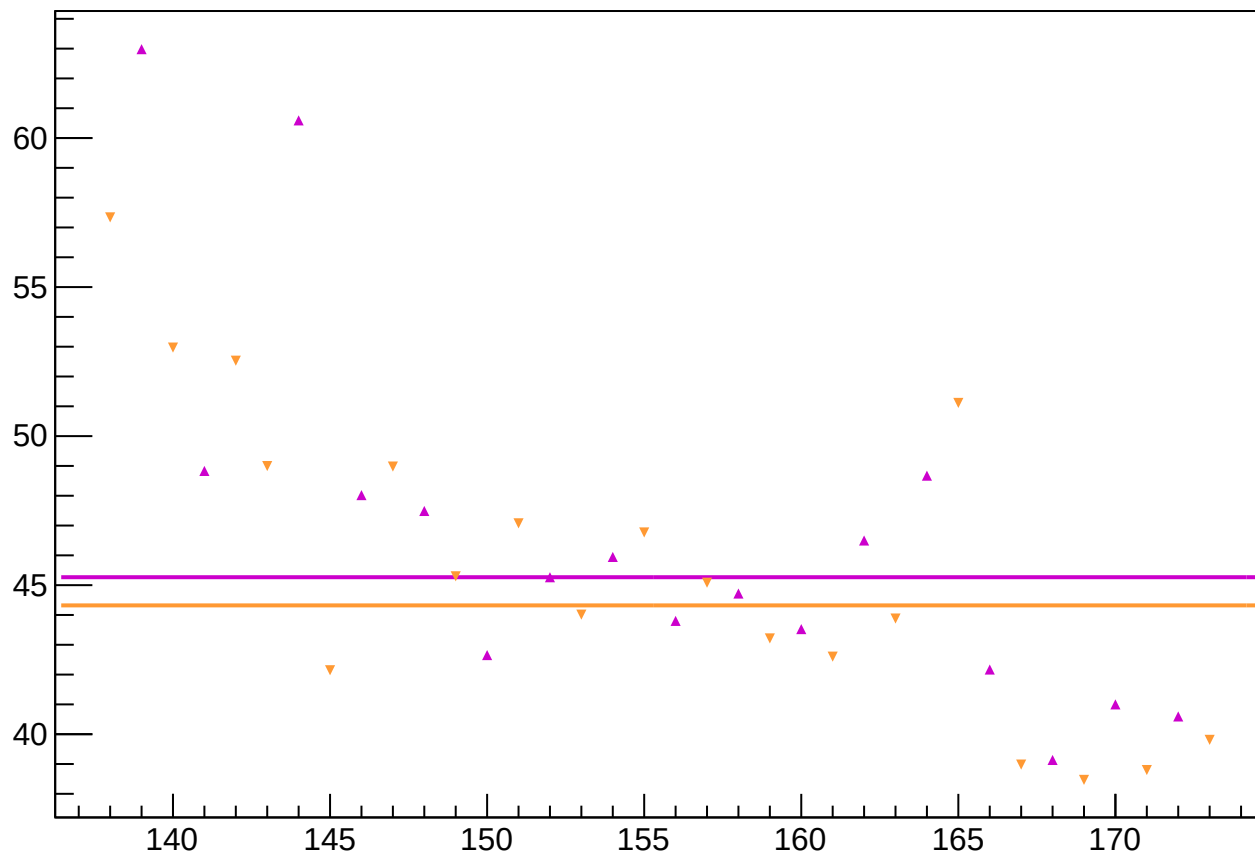
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -19.401 $\pm$ 12.535 χ^2 /NDF:16.4/16

Out: -29.645 $\pm$ 11.863 χ^2 /NDF:42.9/18

All: -24.806 $\pm$ 8.616 χ^2 /NDF: 59.6/35

dit_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



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

Left Out: 44.321 $\pm$ 0.008 χ^2 /NDF:318425.3/18

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

Left In: 45.267 $\pm$ 0.009 χ^2 /NDF:344374.4/16

Left: 44.768 $\pm$ 0.006 χ^2 /NDF: 668799.8/35

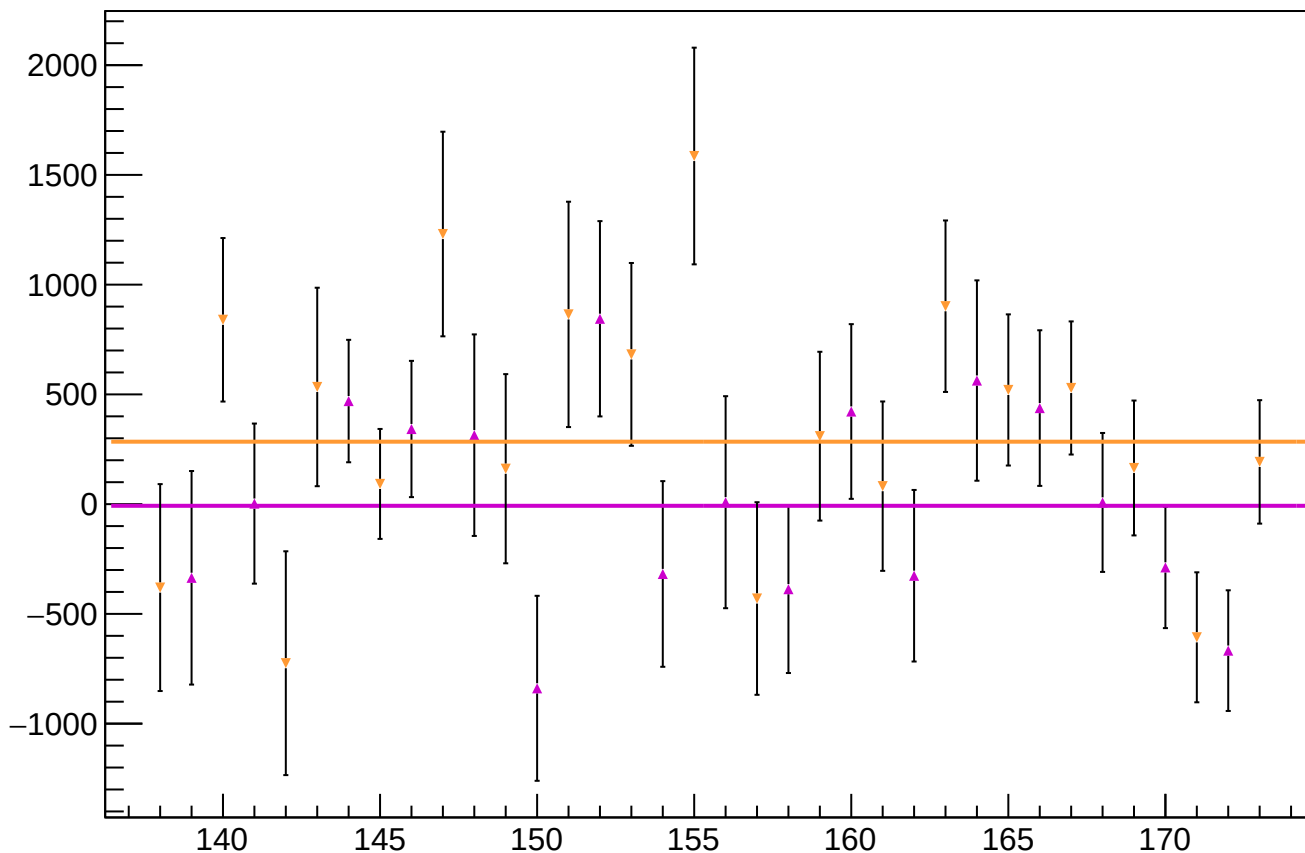
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 45.267 $\pm$ 0.009 χ^2 /NDF:344374.4/16

Out: 44.321 $\pm$ 0.008 χ^2 /NDF:318425.3/18

All: 44.768 $\pm$ 0.006 χ^2 /NDF: 668799.8/35

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: 284.542+/-84.752 χ^2/NDF :38.2/18

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

Left In: -7.549+/-88.036 χ^2/NDF :26.0/16

Left: 144.045+/-61.057 χ^2/NDF : 69.9/35

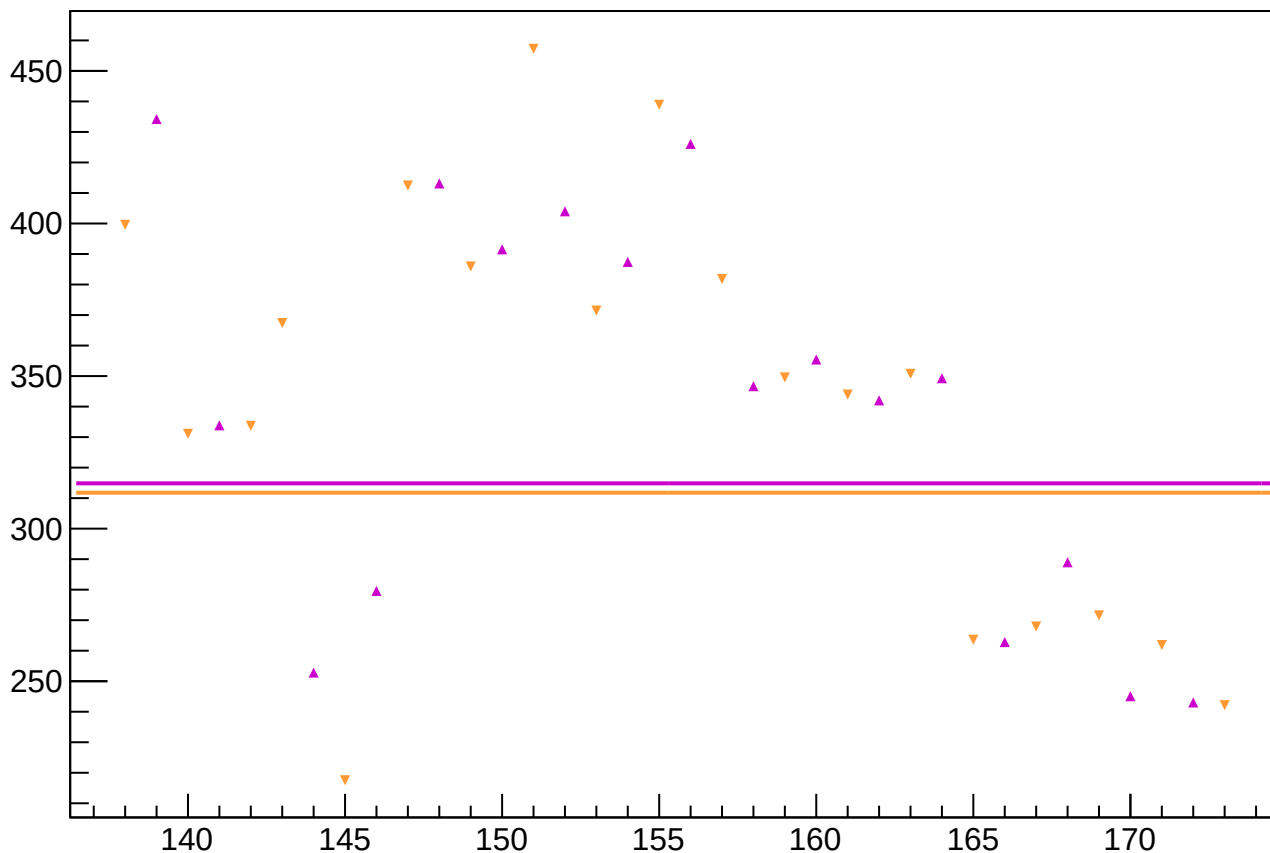
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -7.549+/-88.036 χ^2/NDF :26.0/16

Out: 284.542+/-84.752 χ^2/NDF :38.2/18

All: 144.045+/-61.057 χ^2/NDF : 69.9/35

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: 311.777+/-0.060 χ^2/NDF :1277455.3/18

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

Left In: 314.852+/-0.062 χ^2/NDF :1029567.8/16

Left: 313.256+/-0.043 χ^2/NDF : 2308289.2/35

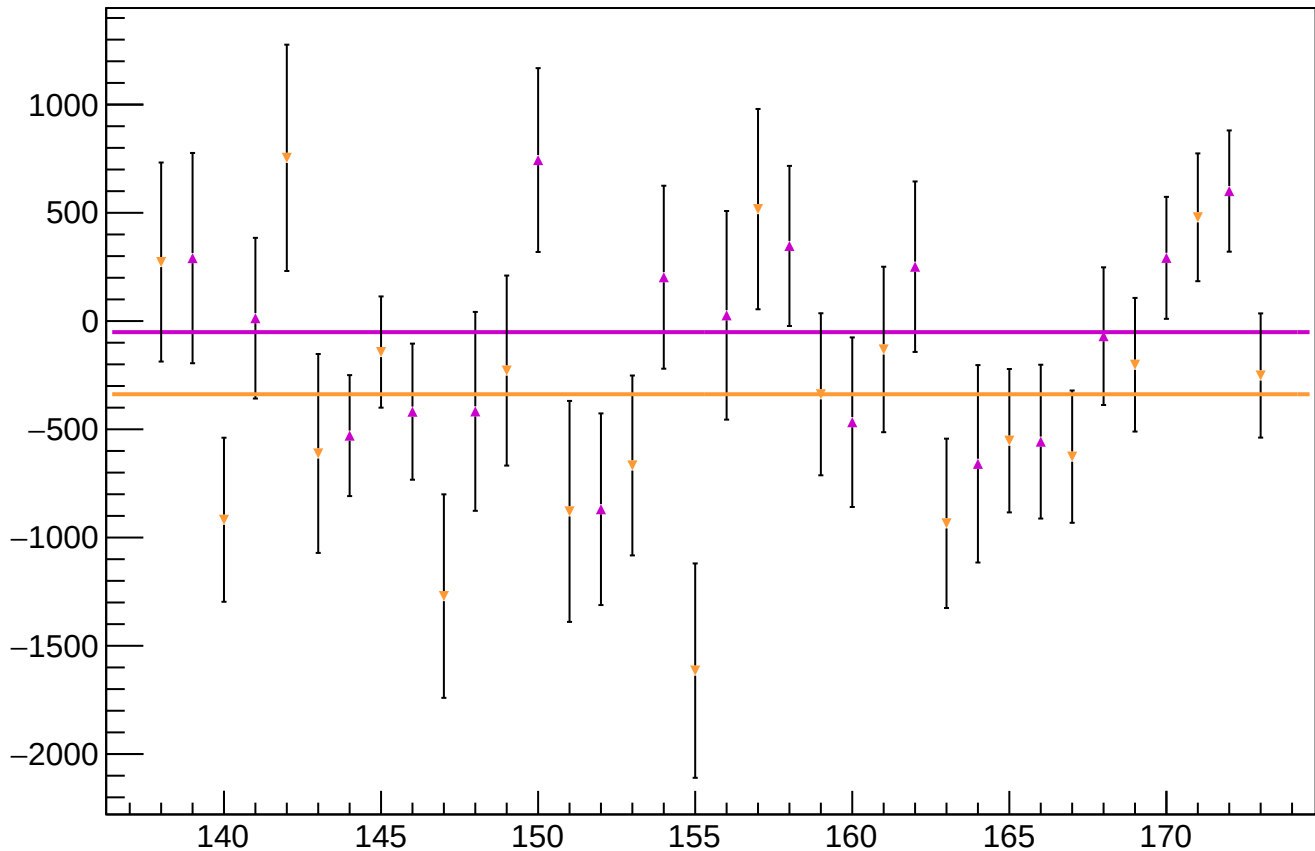
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 314.852+/-0.062 χ^2/NDF :1029567.8/16

Out: 311.777+/-0.060 χ^2/NDF :1277455.3/18

All: 313.256+/-0.043 χ^2/NDF : 2308289.2/35

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



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

Left Out: -338.064+/-85.180 χ^2/NDF :37.1/18

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

Left In: -51.197+/-88.397 χ^2/NDF :26.3/16

Left: -199.946+/-61.337 χ^2/NDF : 68.9/35

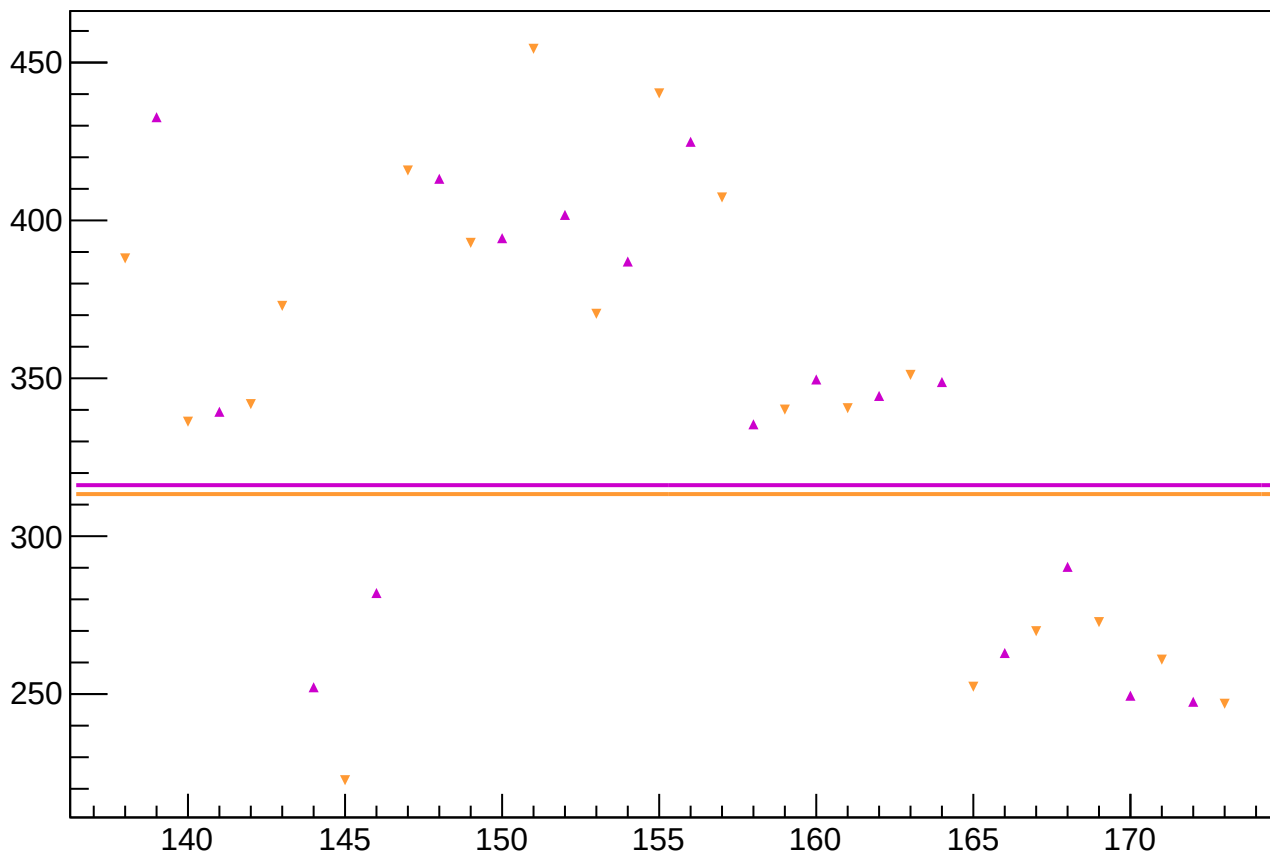
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -51.197+/-88.397 χ^2/NDF :26.3/16

Out: -338.064+/-85.180 χ^2/NDF :37.1/18

All: -199.946+/-61.337 χ^2/NDF : 68.9/35

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



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

Left Out: 313.333+/-0.060 χ^2/NDF :1265645.6/18

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

Left In: 316.159+/-0.063 χ^2/NDF :972067.9/16

Left: 314.694+/-0.043 χ^2/NDF : 2238773.9/35

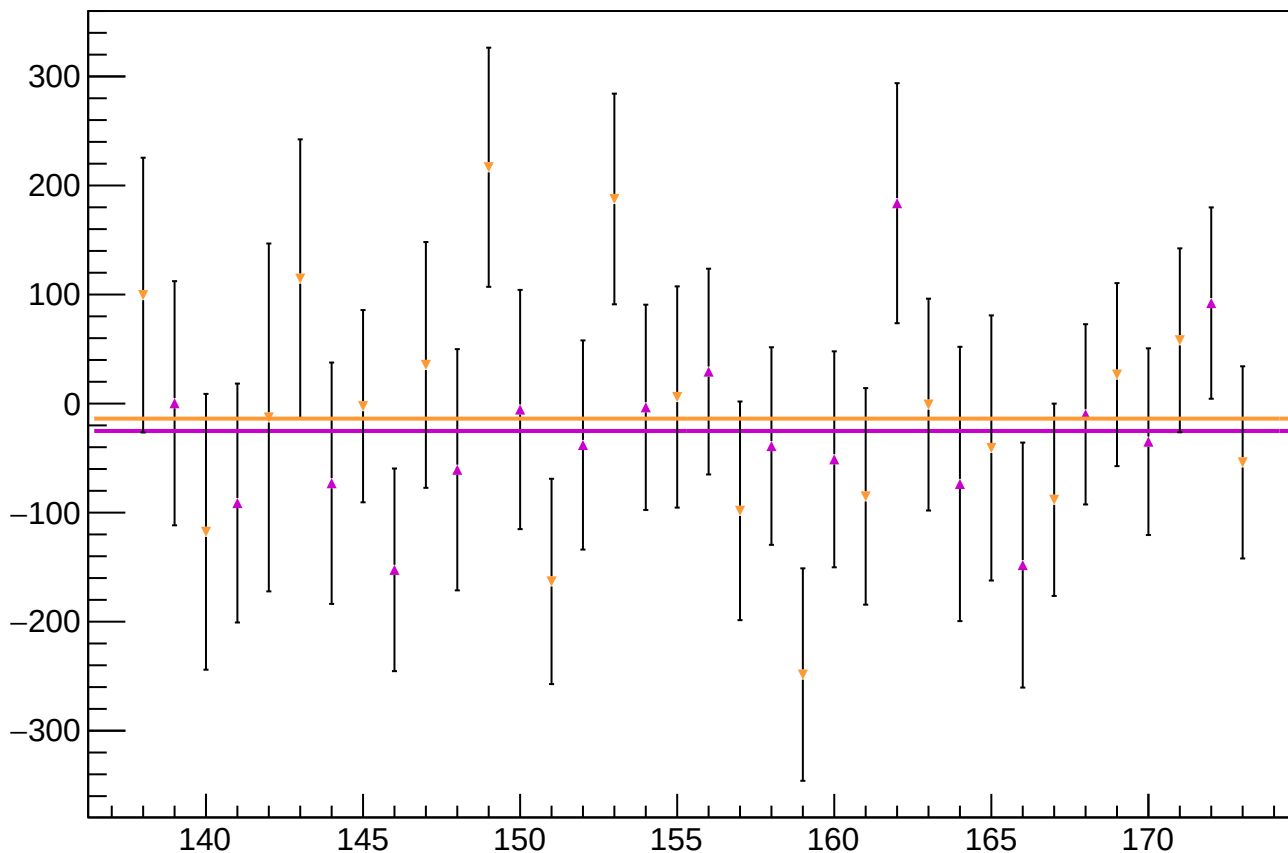
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 316.159+/-0.063 χ^2/NDF :972067.9/16

Out: 313.333+/-0.060 χ^2/NDF :1265645.6/18

All: 314.694+/-0.043 χ^2/NDF : 2238773.9/35

dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -13.797 ± 23.226 $\chi^2/\text{NDF}: 23.0/18$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -25.129 ± 24.107 $\chi^2/\text{NDF}: 9.9/16$

Left: -19.252 ± 16.726 $\chi^2/\text{NDF}: 33.0/35$

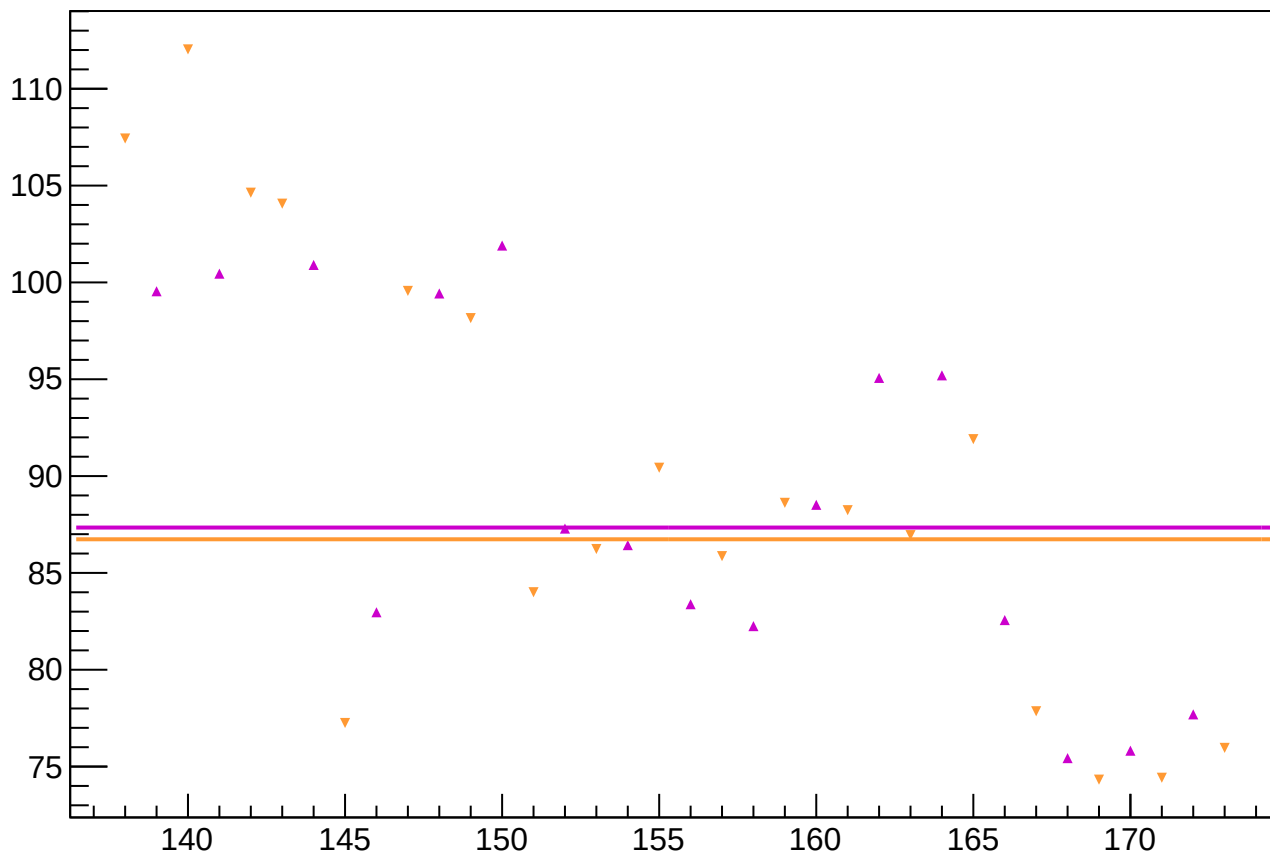
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -25.129 ± 24.107 $\chi^2/\text{NDF}: 9.9/16$

Out: -13.797 ± 23.226 $\chi^2/\text{NDF}: 23.0/18$

All: -19.252 ± 16.726 $\chi^2/\text{NDF}: 33.0/35$

dit_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



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

Left Out: 86.736 $\pm$ 0.016 χ^2 /NDF:412633.8/18

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

Left In: 87.342 $\pm$ 0.017 χ^2 /NDF:279439.4/16

Left: 87.028 $\pm$ 0.012 χ^2 /NDF: 692728.3/35

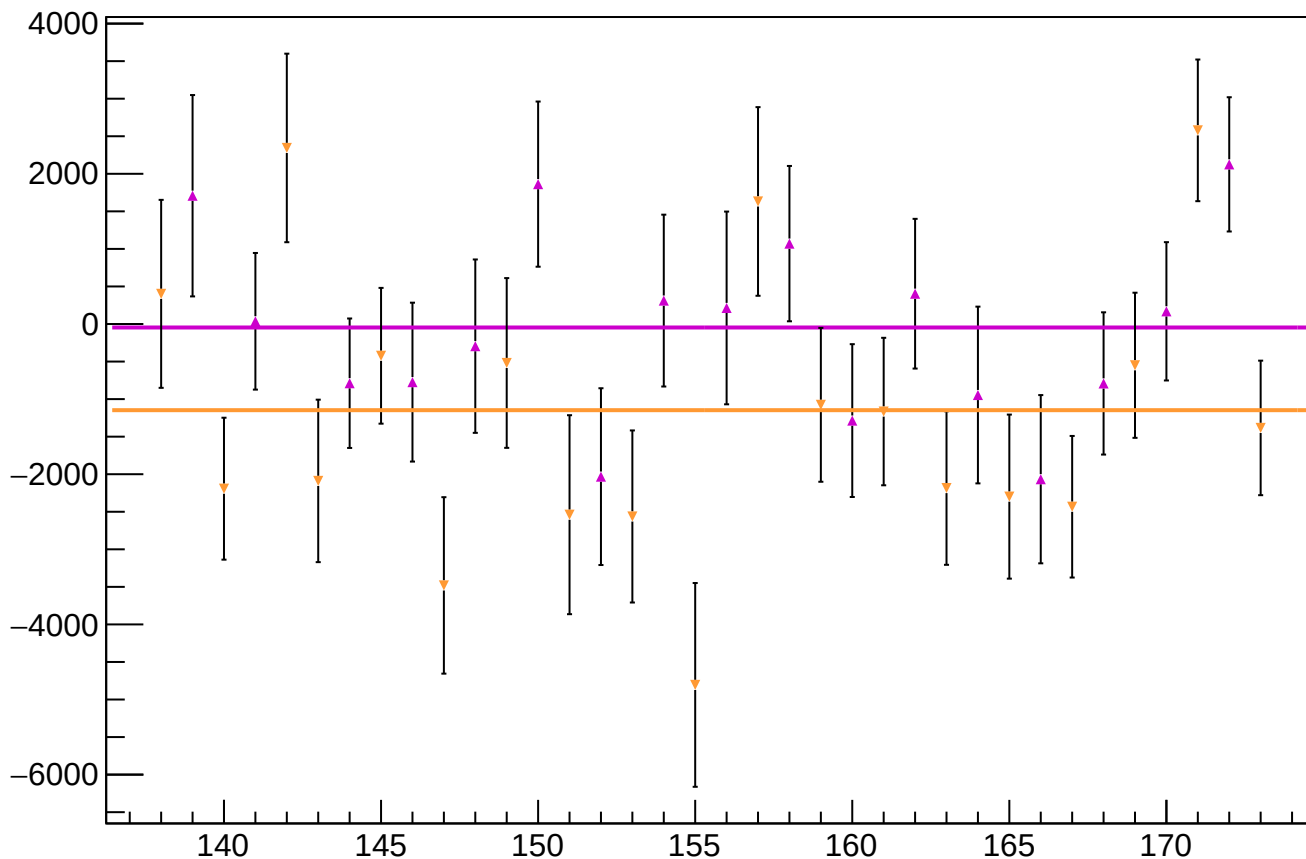
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 87.342 $\pm$ 0.017 χ^2 /NDF:279439.4/16

Out: 86.736 $\pm$ 0.016 χ^2 /NDF:412633.8/18

All: 87.028 $\pm$ 0.012 χ^2 /NDF: 692728.3/35

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: -1147.347+/-243.673 χ^2/NDF :51.0/18

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

Left In: -46.436+/-252.792 χ^2/NDF :22.3/16

Left: -617.105+/-175.438 χ^2/NDF : 83.1/35

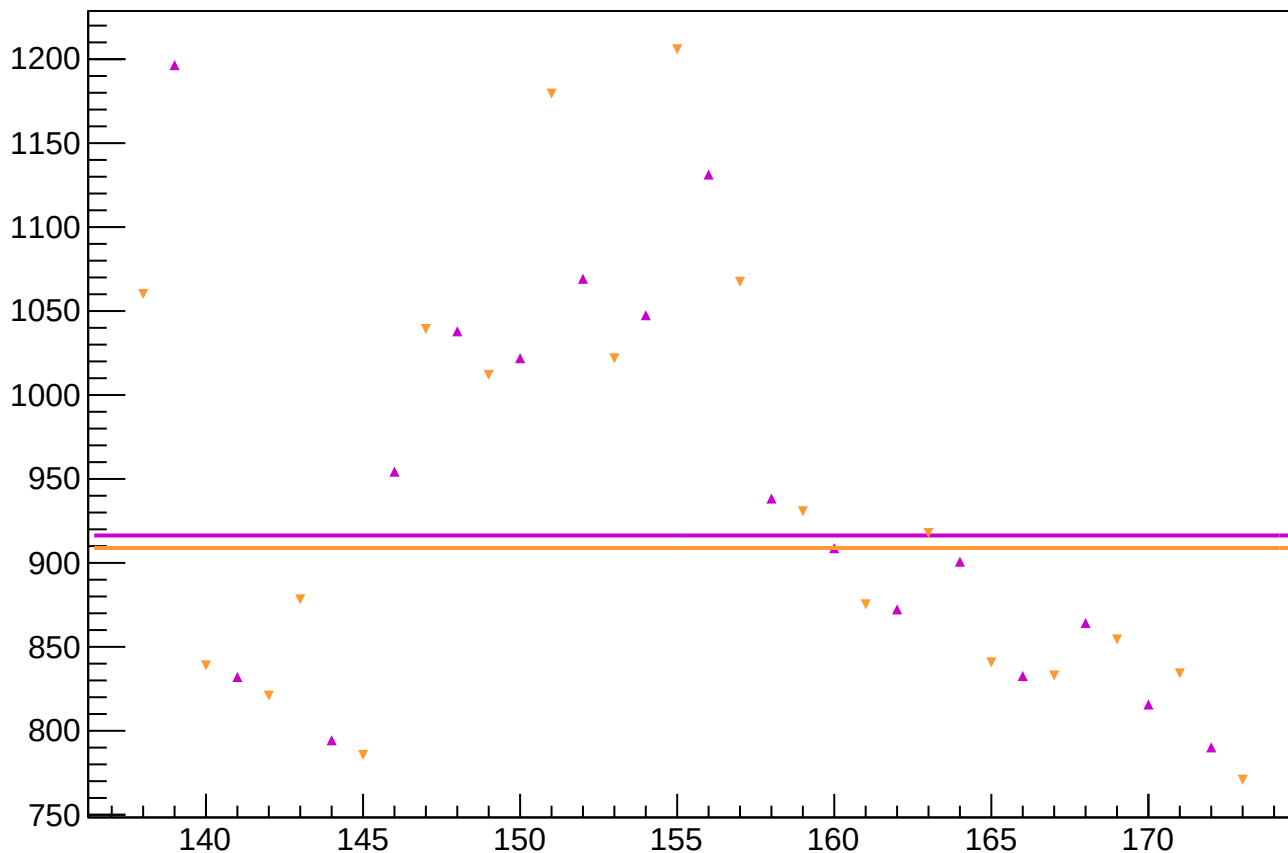
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -46.436+/-252.792 χ^2/NDF :22.3/16

Out: -1147.347+/-243.673 χ^2/NDF :51.0/18

All: -617.105+/-175.438 χ^2/NDF : 83.1/35

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: 908.895+/-0.172 χ^2/NDF : 451196.8/18

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

Left In: 916.327+/-0.179 χ^2/NDF : 390218.8/16

Left: 912.475+/-0.124 χ^2/NDF : 842311.6/35

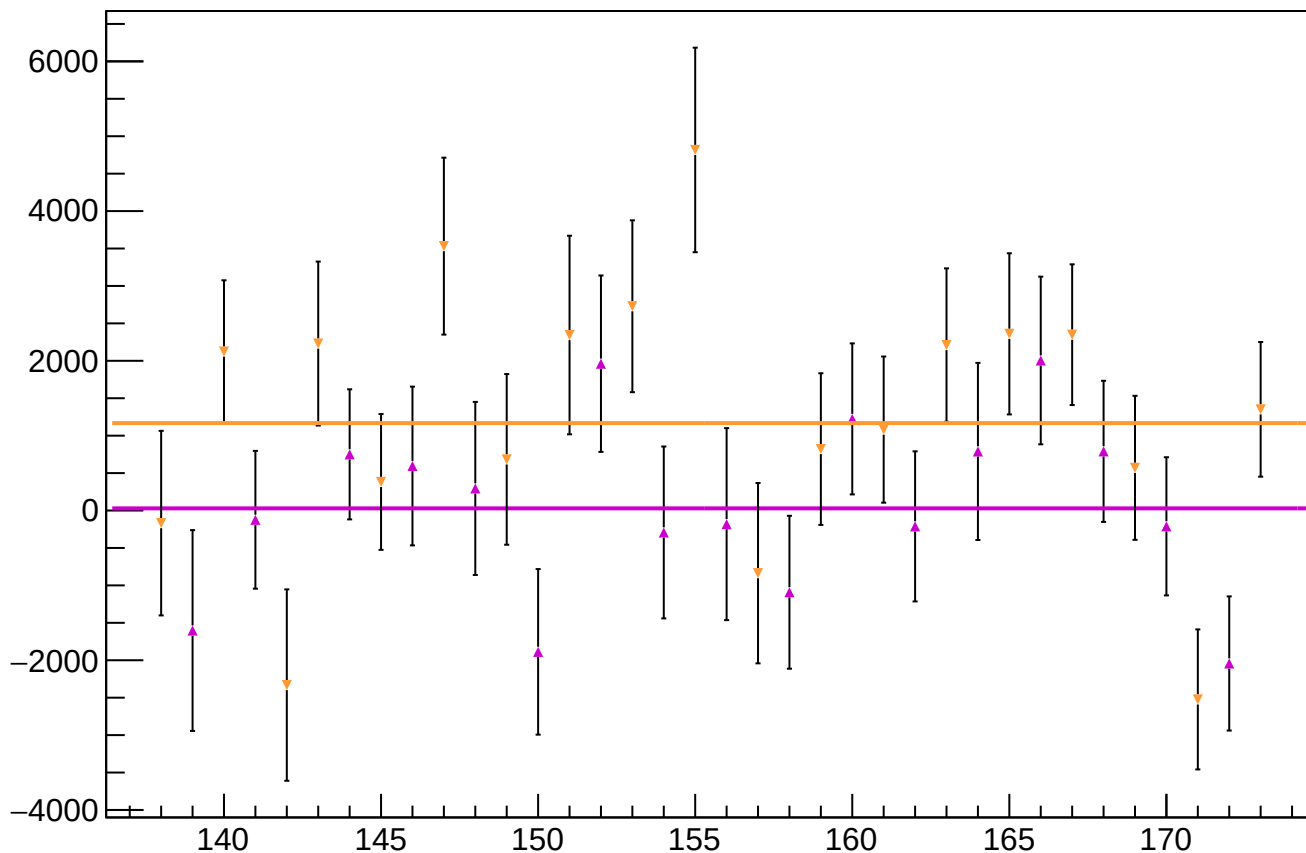
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 916.327+/-0.179 χ^2/NDF : 390218.8/16

Out: 908.895+/-0.172 χ^2/NDF : 451196.8/18

All: 912.475+/-0.124 χ^2/NDF : 842311.6/35

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



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

Left Out: 1167.939+/-243.309 χ^2/NDF :48.1/18

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

Left In: 28.830+/-253.222 χ^2/NDF :20.6/16

Left: 621.116+/-175.445 χ^2/NDF : 79.2/35

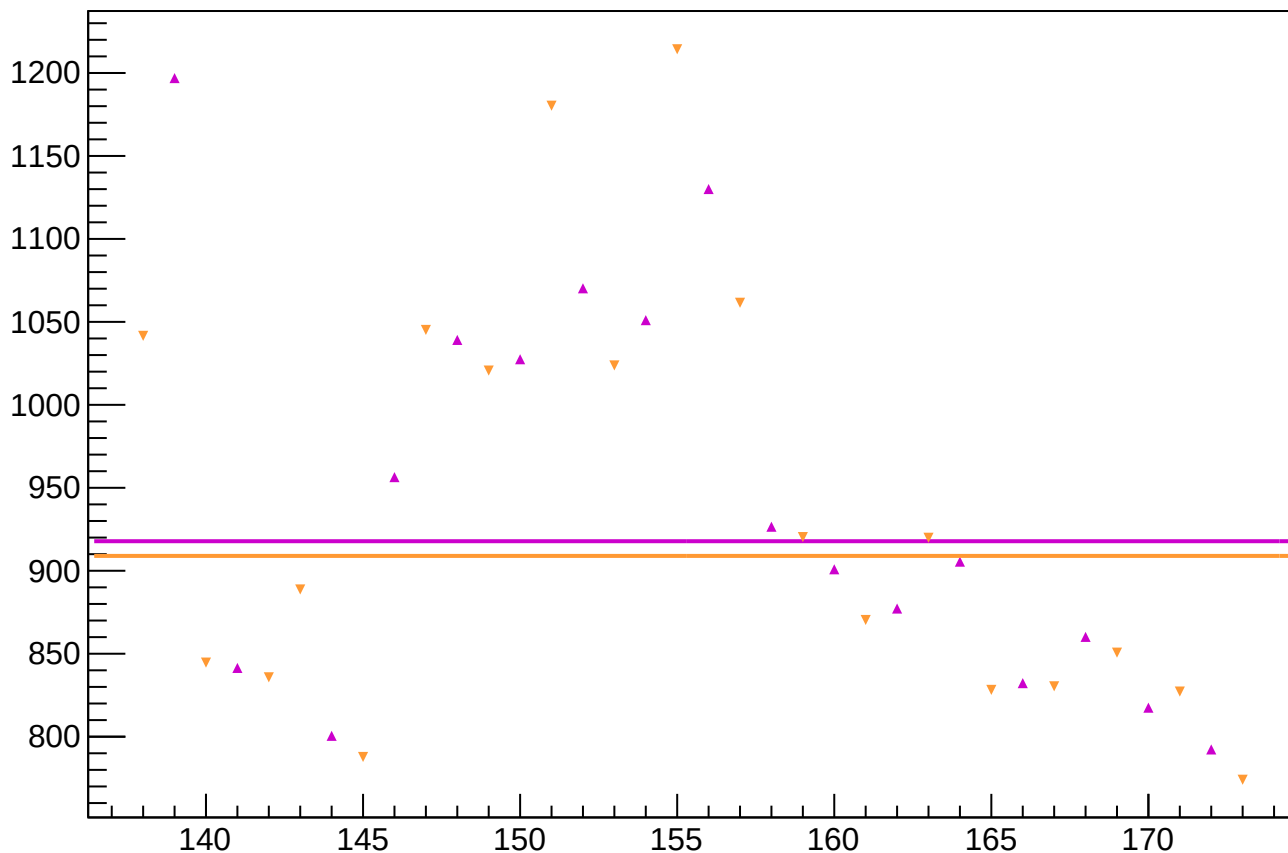
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 28.830+/-253.222 χ^2/NDF :20.6/16

Out: 1167.939+/-243.309 χ^2/NDF :48.1/18

All: 621.116+/-175.445 χ^2/NDF : 79.2/35

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



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

Left Out: 908.954+/-0.172 χ^2/NDF : 453134.0/18

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

Left In: 917.809+/-0.179 χ^2/NDF : 382561.4/16

Left: 913.205+/-0.124 χ^2/NDF : 836967.0/35

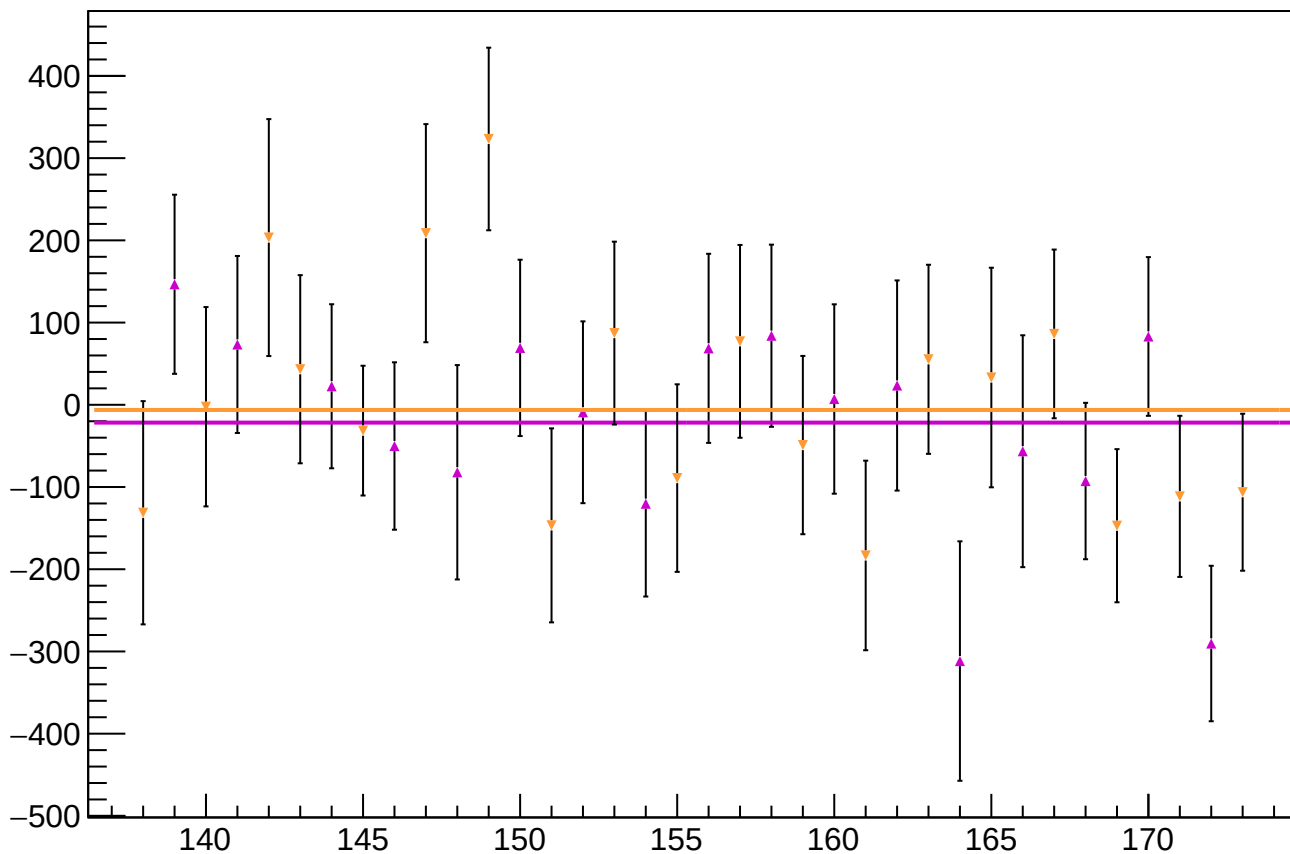
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 917.809+/-0.179 χ^2/NDF : 382561.4/16

Out: 908.954+/-0.172 χ^2/NDF : 453134.0/18

All: 913.205+/-0.124 χ^2/NDF : 836967.0/35

dit_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -6.280+/-25.287 χ^2/NDF :26.1/18

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

Left In: -21.667+/-26.778 χ^2/NDF :20.7/16

Left: -13.533+/-18.385 χ^2/NDF : 47.0/35

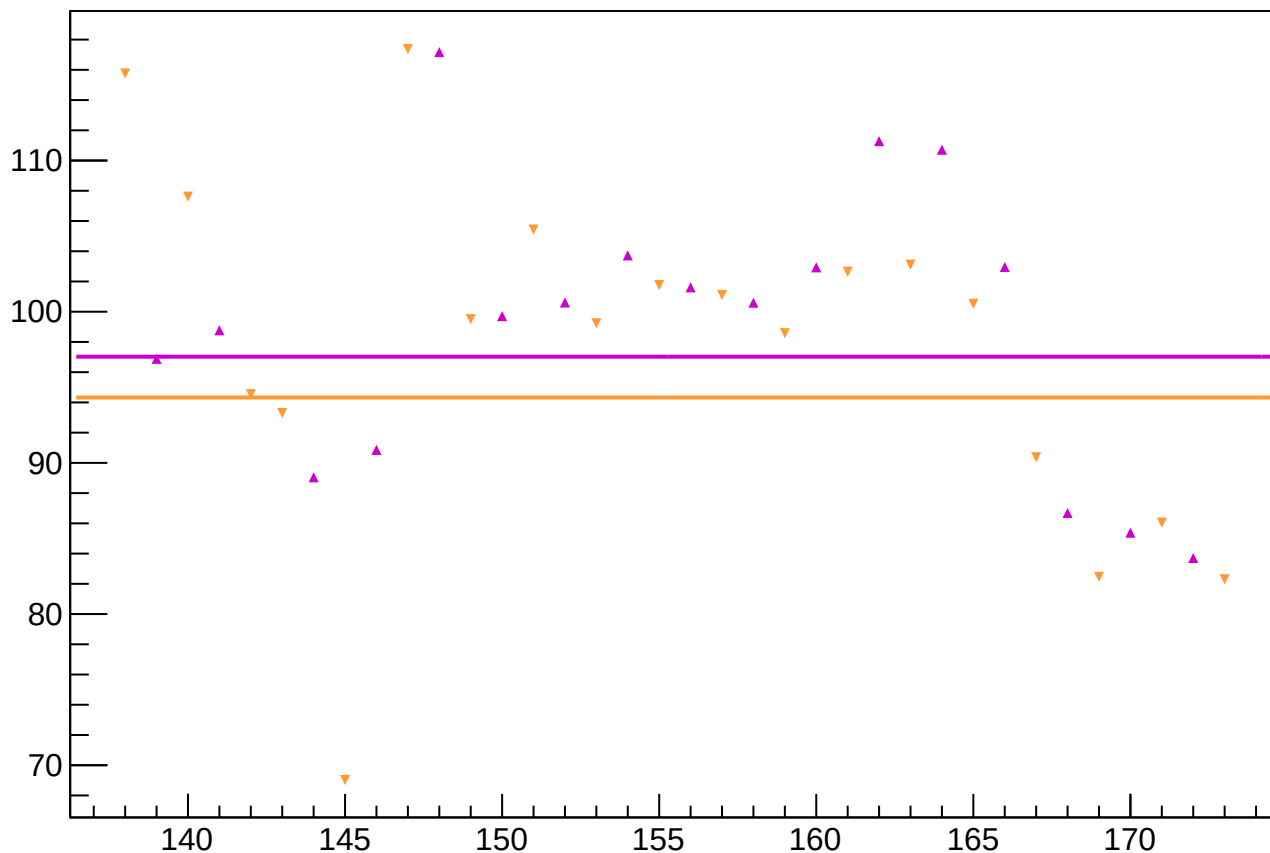
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -21.667+/-26.778 χ^2/NDF :20.7/16

Out: -6.280+/-25.287 χ^2/NDF :26.1/18

All: -13.533+/-18.385 χ^2/NDF : 47.0/35

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: 94.326+/-0.018 χ^2/NDF :492101.8/18

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

Left In: 97.024+/-0.019 χ^2/NDF :227902.8/16

Left: 95.598+/-0.013 χ^2/NDF : 730733.9/35

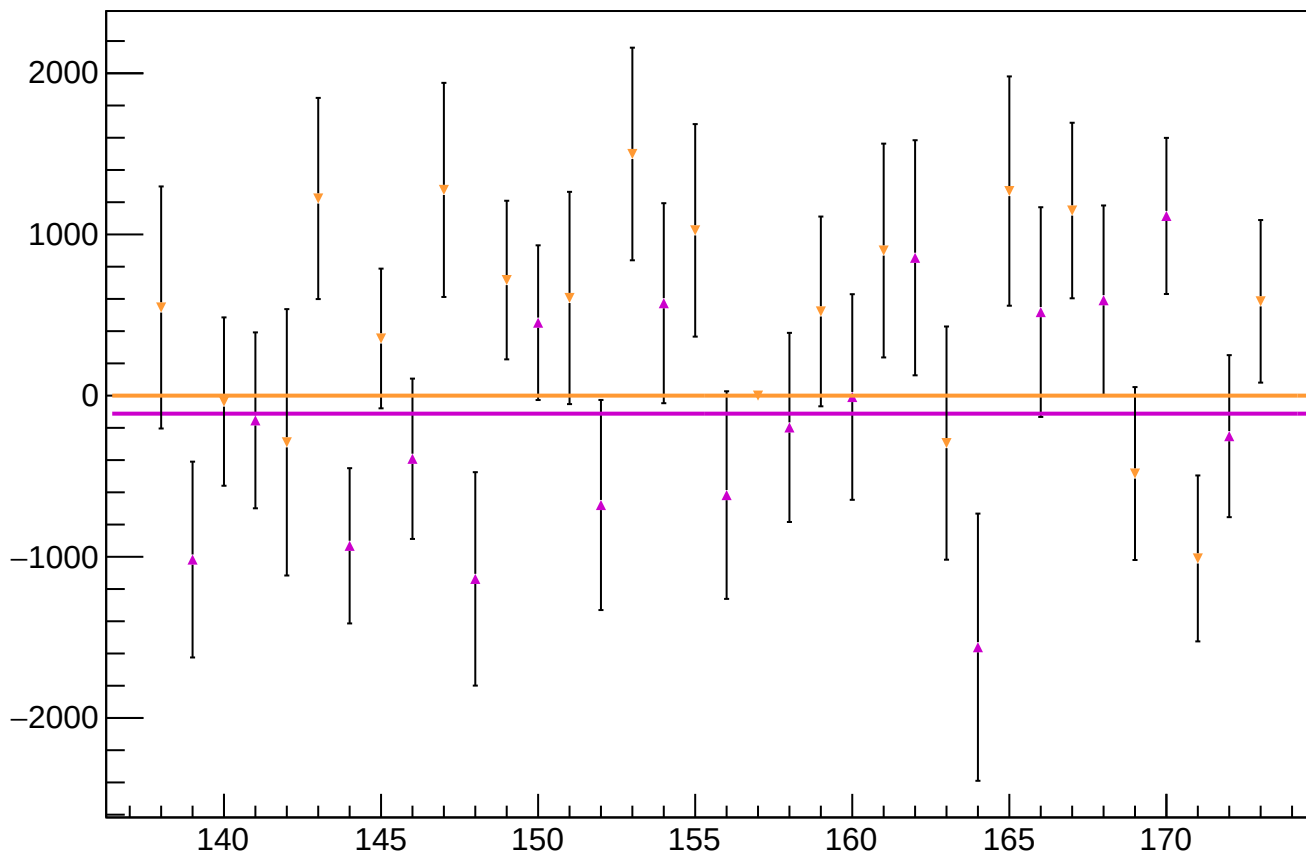
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 97.024+/-0.019 χ^2/NDF :227902.8/16

Out: 94.326+/-0.018 χ^2/NDF :492101.8/18

All: 95.598+/-0.013 χ^2/NDF : 730733.9/35

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 :35.8/18

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

Left In: -111.921+/-140.608 χ^2/NDF :25.5/16

Left: -0.000+/-0.000 χ^2/NDF : 62.0/35

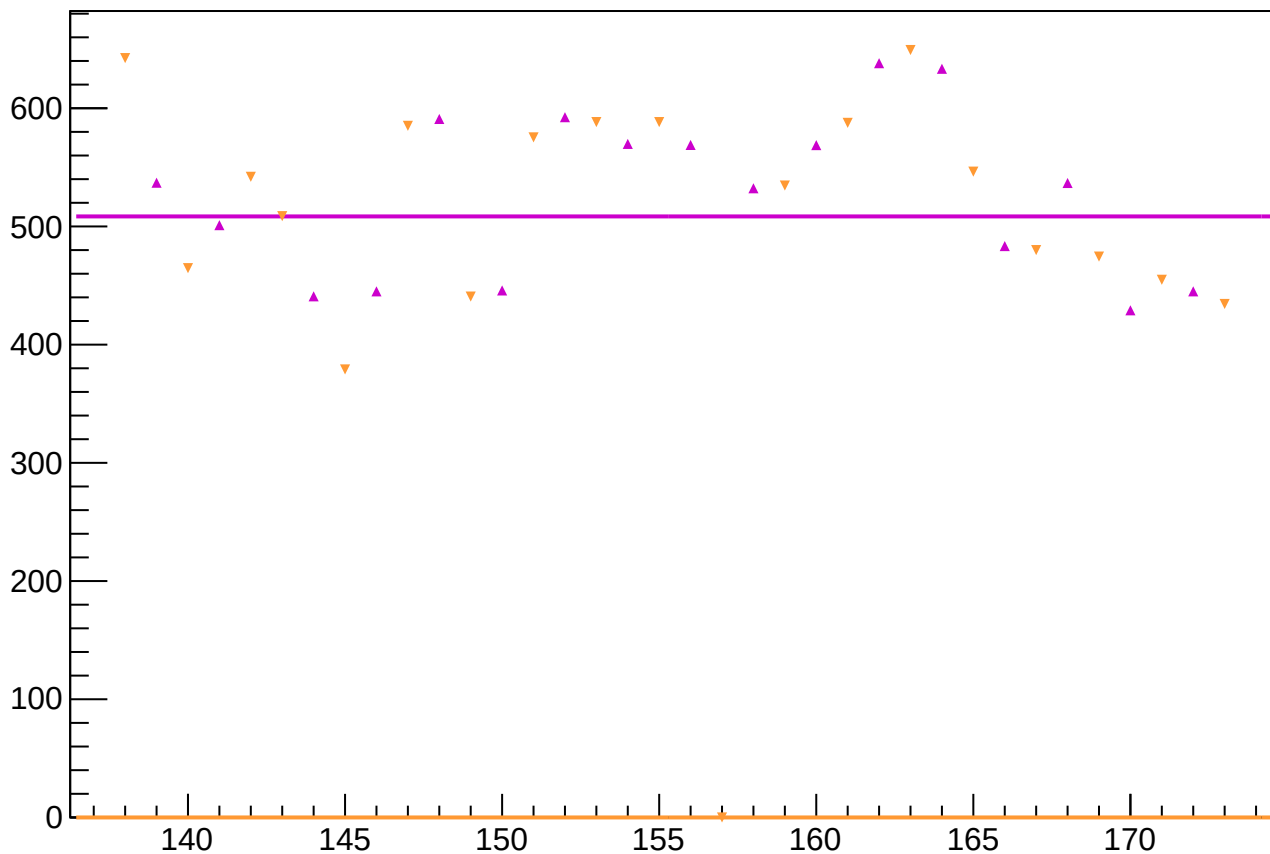
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -111.921+/-140.608 χ^2/NDF :25.5/16

Out: -0.000+/-0.000 χ^2/NDF :35.8/18

All: -0.000+/-0.000 χ^2/NDF : 62.0/35

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 : 26805910.6/18

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

Left In: 508.484+/-0.099 χ^2/NDF : 435064.6/16

Left: 0.000+/-0.000 χ^2/NDF : 53396632.3/35

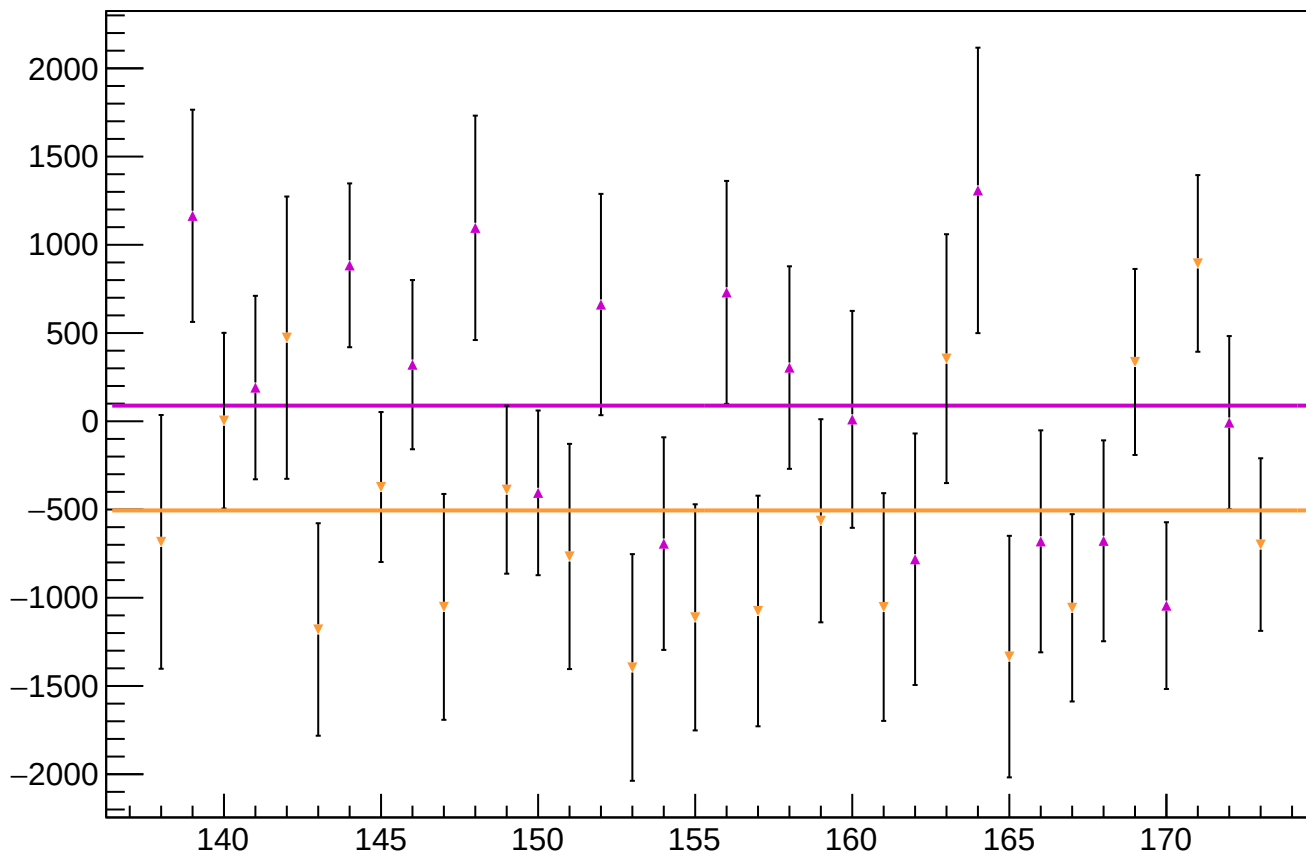
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 508.484+/-0.099 χ^2/NDF : 435064.6/16

Out: 0.000+/-0.000 χ^2/NDF : 26805910.6/18

All: 0.000+/-0.000 χ^2/NDF : 53396632.3/35

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -505.151+/-132.176 χ^2/NDF :23.8/18

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

Left In: 88.695+/-136.380 χ^2/NDF :26.6/16

Left: -217.523+/-94.914 χ^2/NDF : 60.2/35

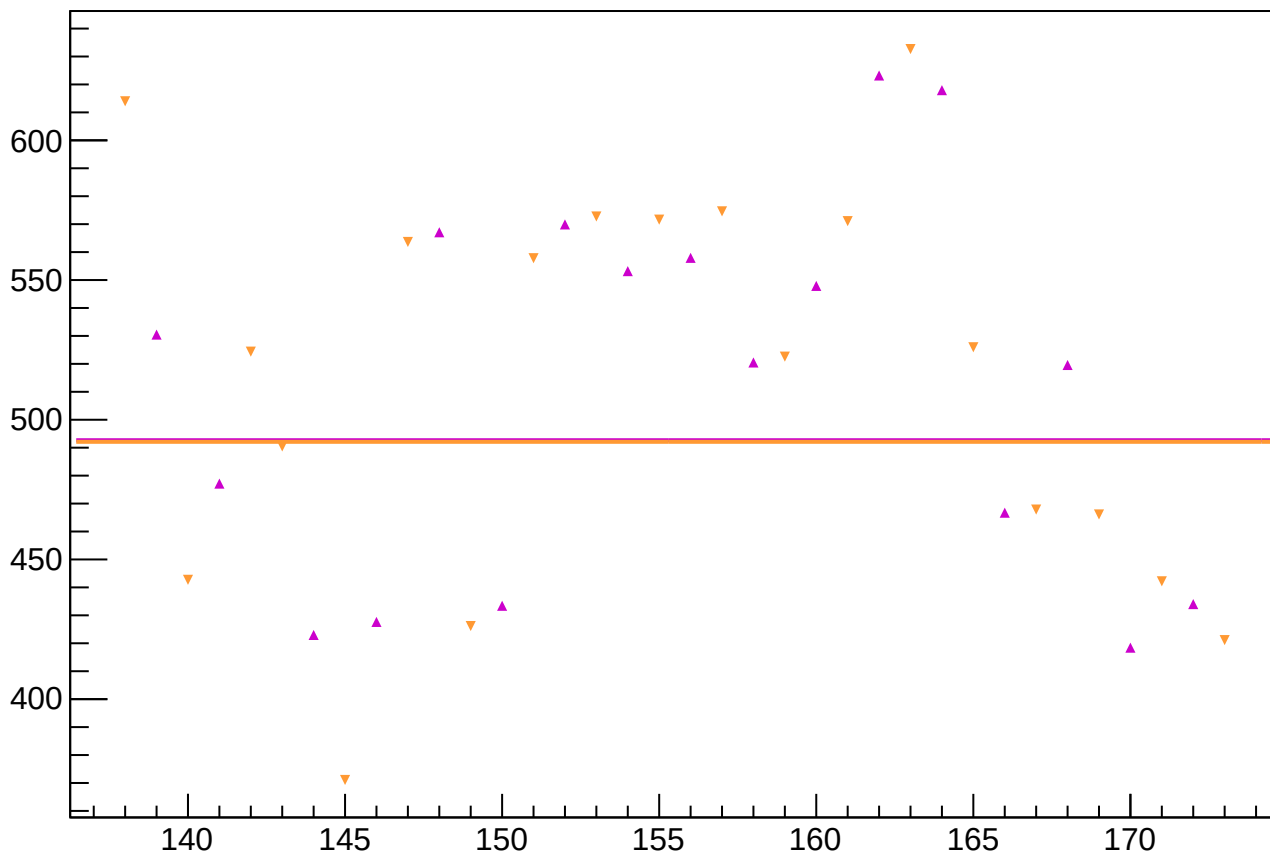
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 88.695+/-136.380 χ^2/NDF :26.6/16

Out: -505.151+/-132.176 χ^2/NDF :23.8/18

All: -217.523+/-94.914 χ^2/NDF : 60.2/35

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 492.104+/-0.093 χ^2/NDF :612486.7/18

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

Left In: 492.669+/-0.096 χ^2/NDF :444914.3/16

Left: 492.378+/-0.067 χ^2/NDF : 1057418.7/35

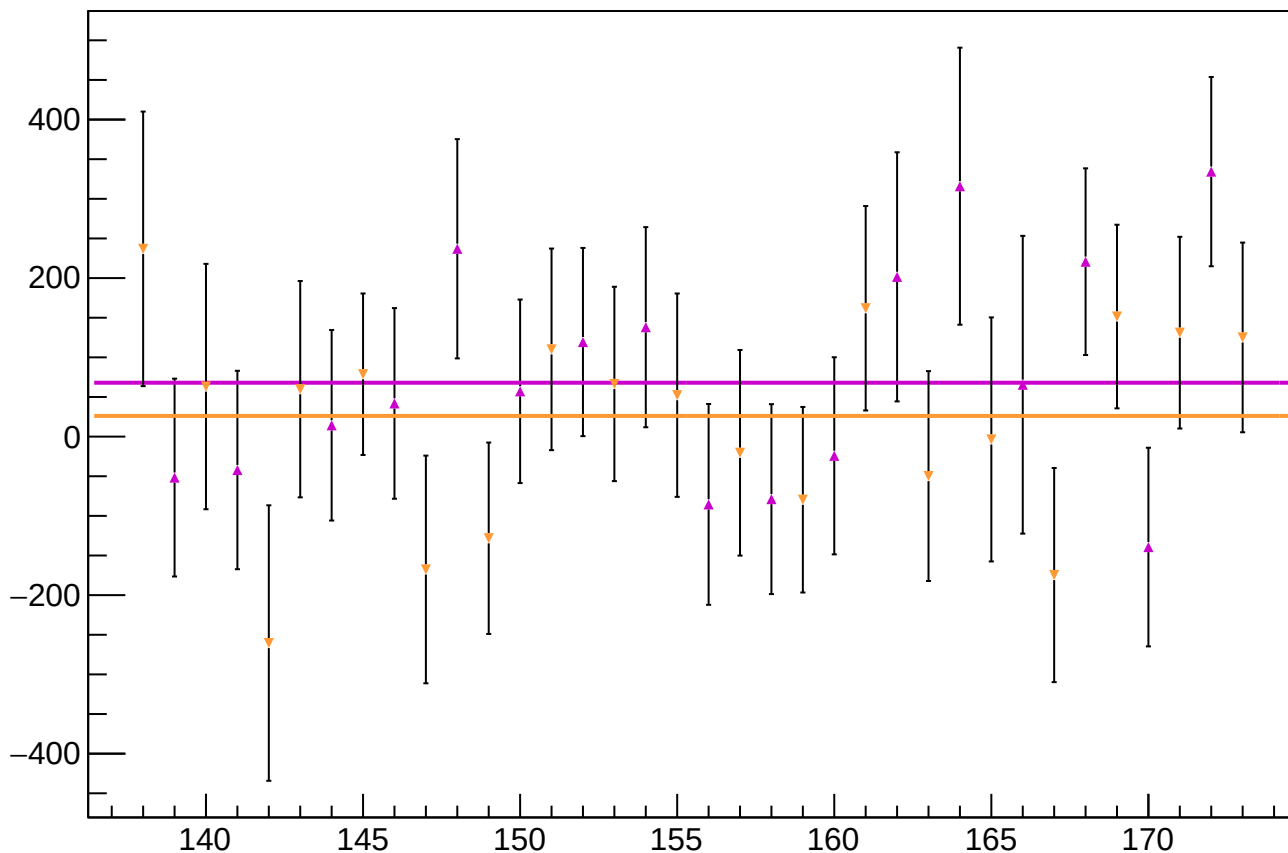
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 492.669+/-0.096 χ^2/NDF :444914.3/16

Out: 492.104+/-0.093 χ^2/NDF :612486.7/18

All: 492.378+/-0.067 χ^2/NDF : 1057418.7/35

dit_asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 26.105+/-29.830 χ^2/NDF :15.9/18

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

Left In: 67.994+/-31.142 χ^2/NDF :19.6/16

Left: 46.148+/-21.542 χ^2/NDF : 36.4/35

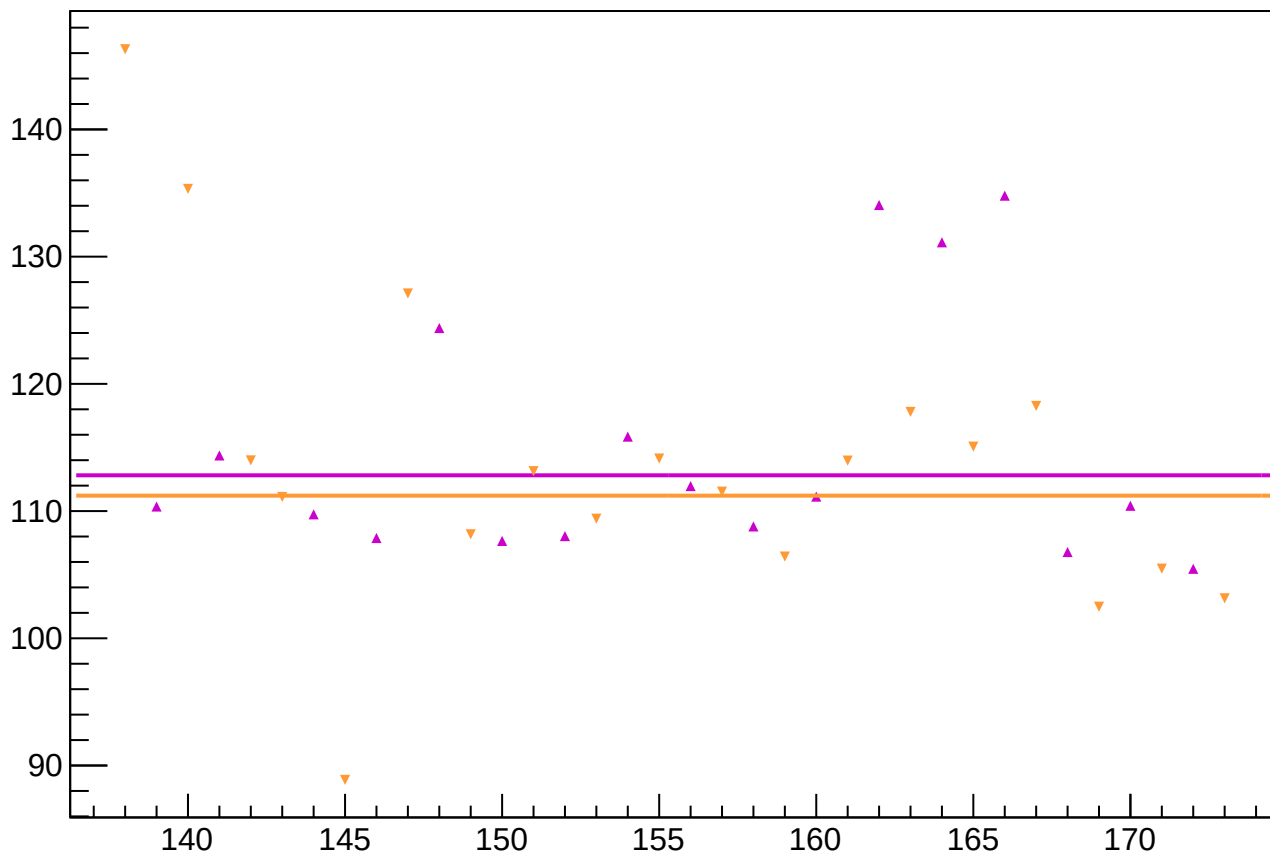
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 67.994+/-31.142 χ^2/NDF :19.6/16

Out: 26.105+/-29.830 χ^2/NDF :15.9/18

All: 46.148+/-21.542 χ^2/NDF : 36.4/35

dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 111.214+/-0.021 χ^2/NDF :295943.3/18

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

Left In: 112.813+/-0.022 χ^2/NDF :130279.1/16

Left: 111.979+/-0.015 χ^2/NDF : 428972.3/35

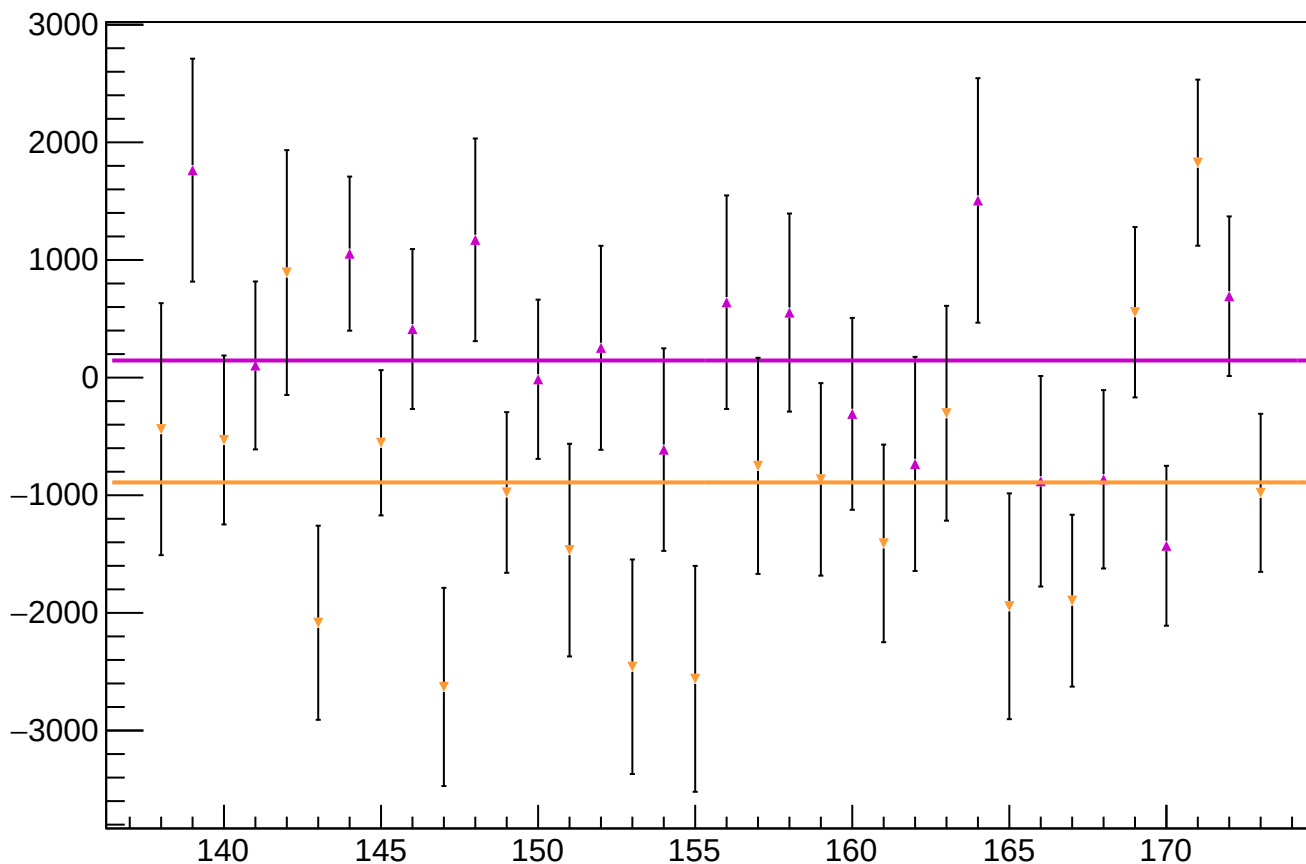
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 112.813+/-0.022 χ^2/NDF :130279.1/16

Out: 111.214+/-0.021 χ^2/NDF :295943.3/18

All: 111.979+/-0.015 χ^2/NDF : 428972.3/35

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -890.692 $\pm$ 184.810 χ^2 /NDF:39.2/18

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

Left In: 145.633 $\pm$ 191.148 χ^2 /NDF:19.9/16

Left: -389.996 $\pm$ 132.865 χ^2 /NDF: 74.2/35

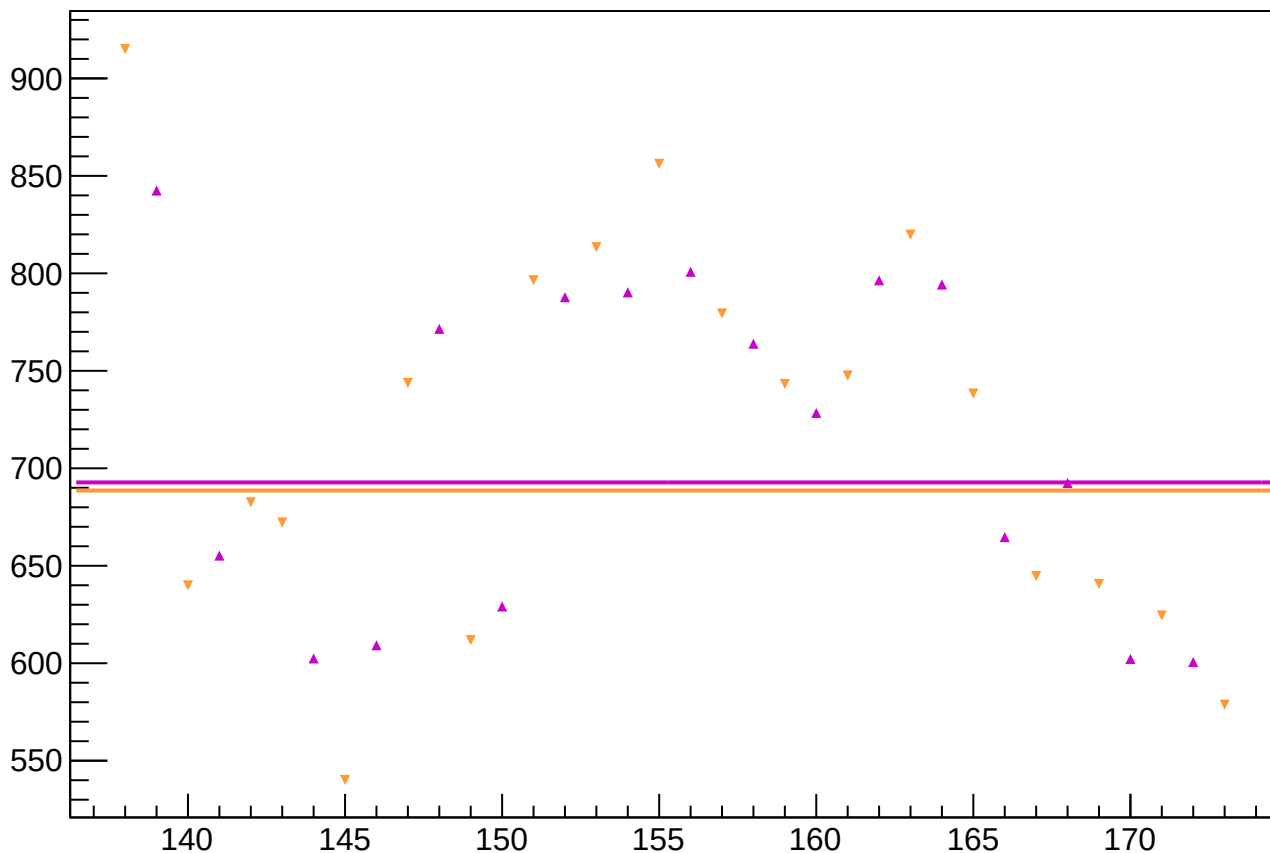
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 145.633 $\pm$ 191.148 χ^2 /NDF:19.9/16

Out: -890.692 $\pm$ 184.810 χ^2 /NDF:39.2/18

All: -389.996 $\pm$ 132.865 χ^2 /NDF: 74.2/35

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 688.587+/-0.131 χ^2/NDF :546821.3/18

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

Left In: 692.750+/-0.135 χ^2/NDF :373585.3/16

Left: 690.598+/-0.094 χ^2/NDF : 920897.1/35

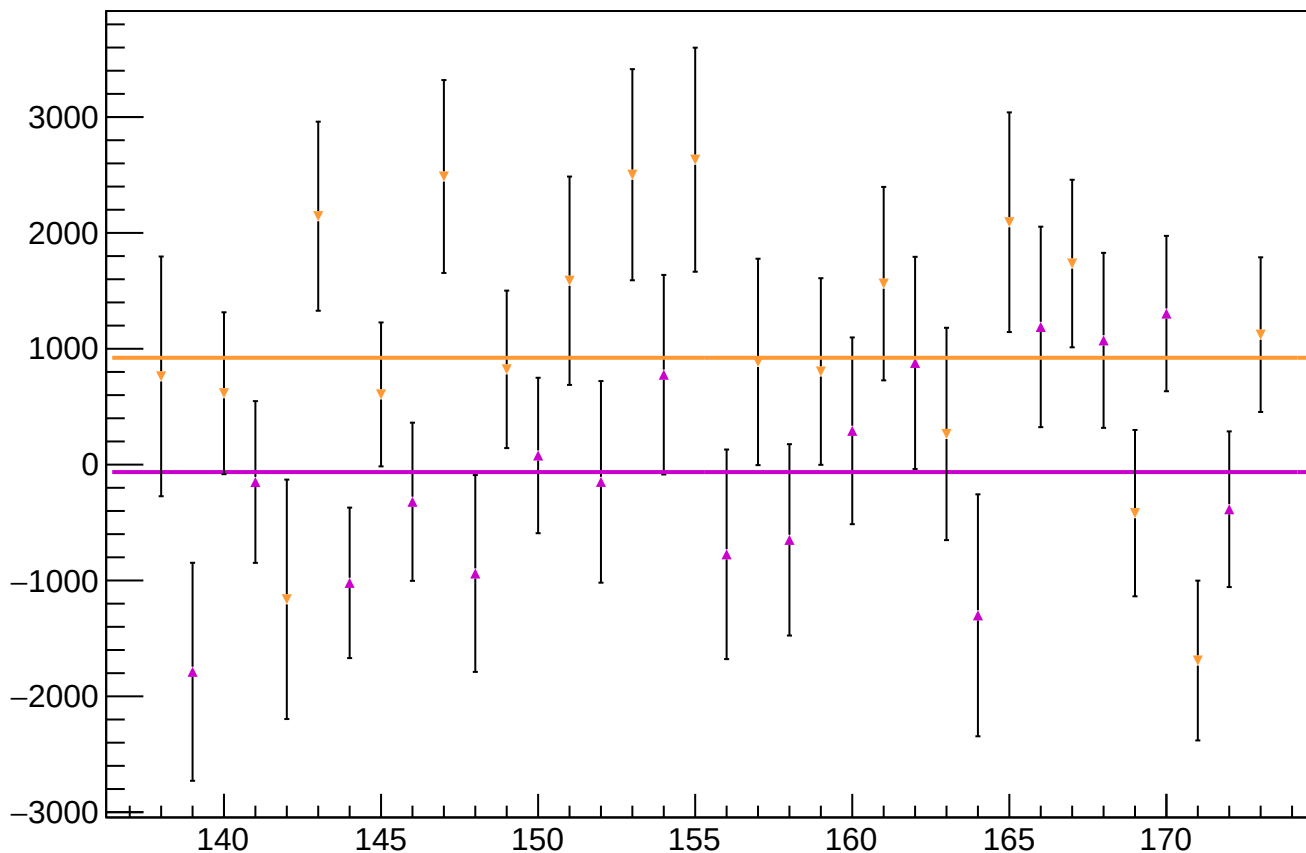
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 692.750+/-0.135 χ^2/NDF :373585.3/16

Out: 688.587+/-0.131 χ^2/NDF :546821.3/18

All: 690.598+/-0.094 χ^2/NDF : 920897.1/35

asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 922.223+/-182.965 χ^2/NDF :38.9/18

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

Left In: -64.306+/-189.517 χ^2/NDF :20.3/16

Left: 446.308+/-131.631 χ^2/NDF : 73.2/35

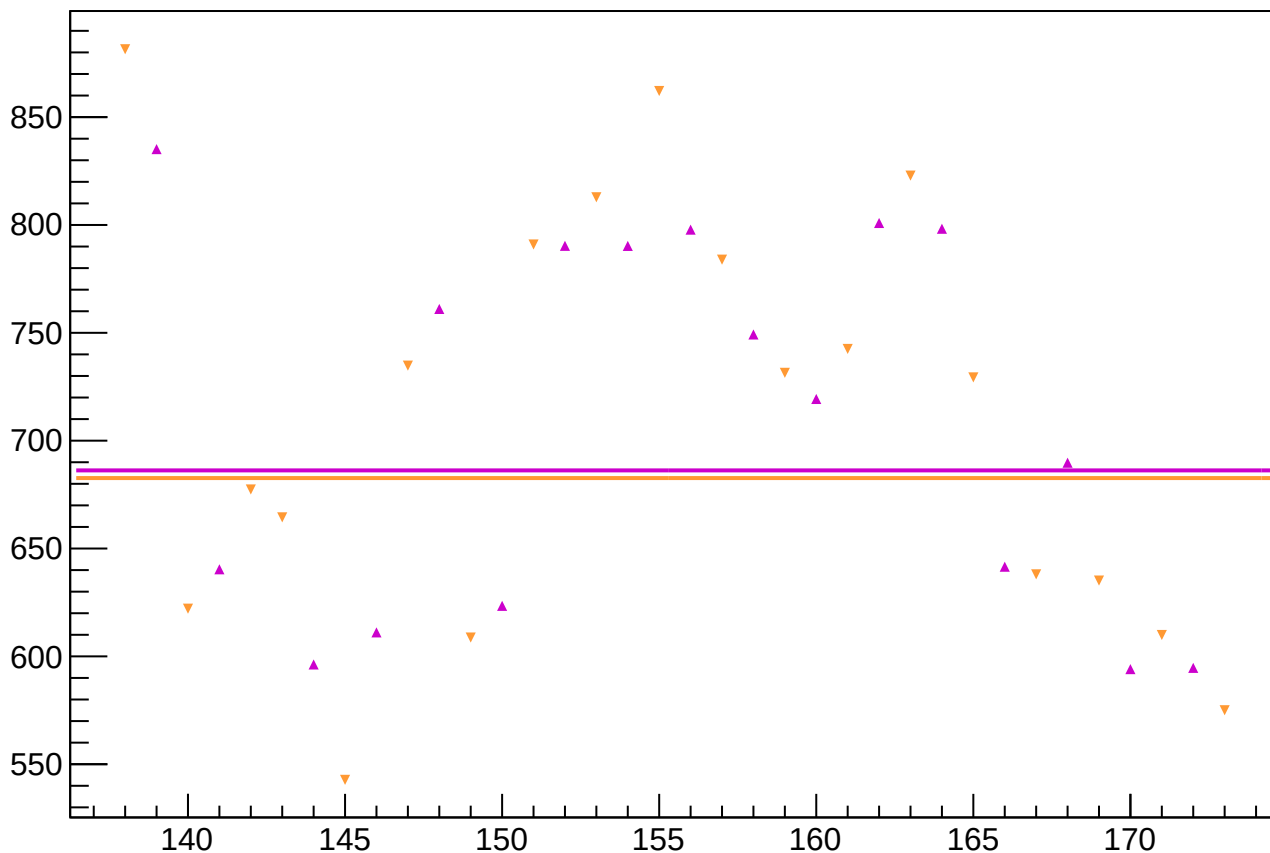
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -64.306+/-189.517 χ^2/NDF :20.3/16

Out: 922.223+/-182.965 χ^2/NDF :38.9/18

All: 446.308+/-131.631 χ^2/NDF : 73.2/35

asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 682.662+/-0.129 χ^2/NDF :547411.4/18

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

Left In: 686.222+/-0.134 χ^2/NDF :392388.5/16

Left: 684.380+/-0.093 χ^2/NDF : 940165.1/35

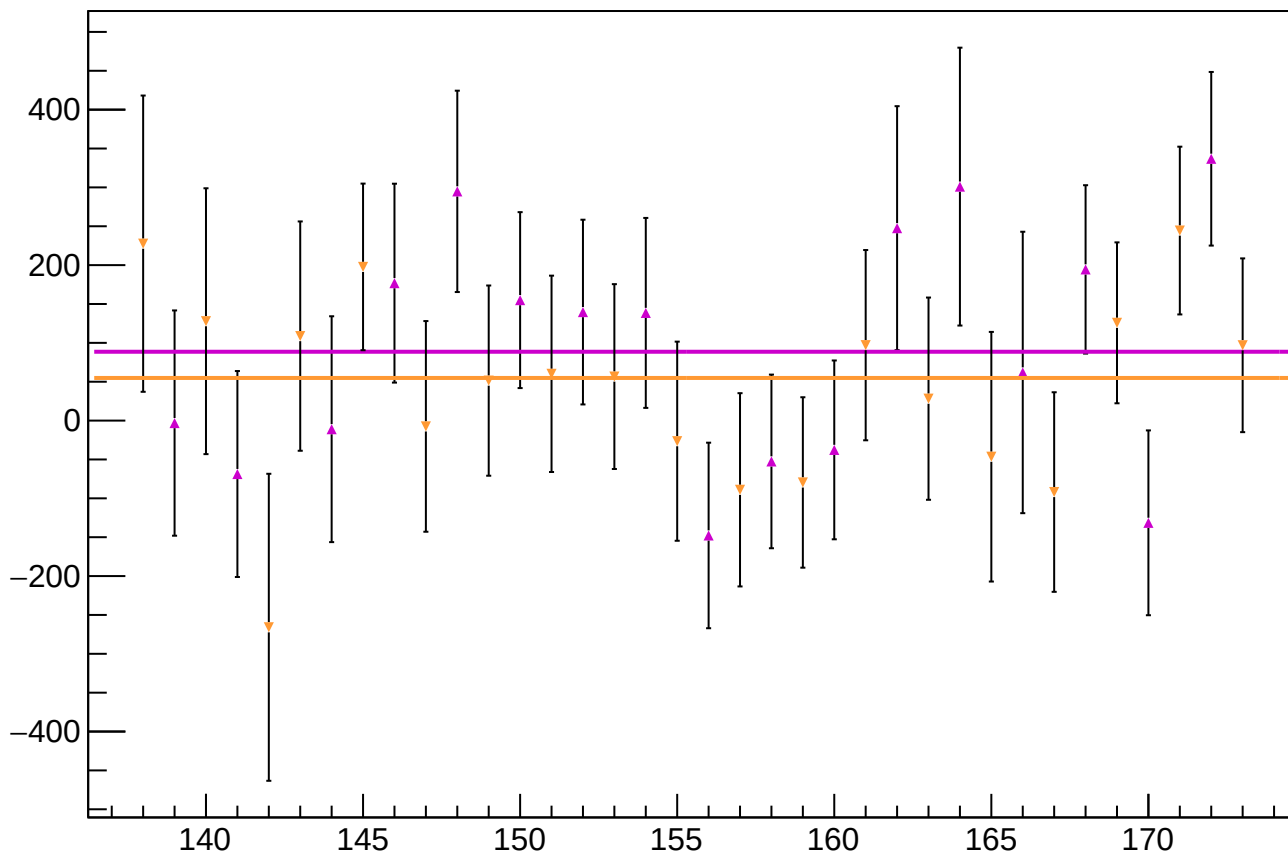
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 686.222+/-0.134 χ^2/NDF :392388.5/16

Out: 682.662+/-0.129 χ^2/NDF :547411.4/18

All: 684.380+/-0.093 χ^2/NDF : 940165.1/35

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: 54.854 $\pm$ 29.252 χ^2 /NDF:14.6/18

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

Left In: 88.571 $\pm$ 30.813 χ^2 /NDF:24.5/16

Left: 70.836 $\pm$ 21.215 χ^2 /NDF: 39.7/35

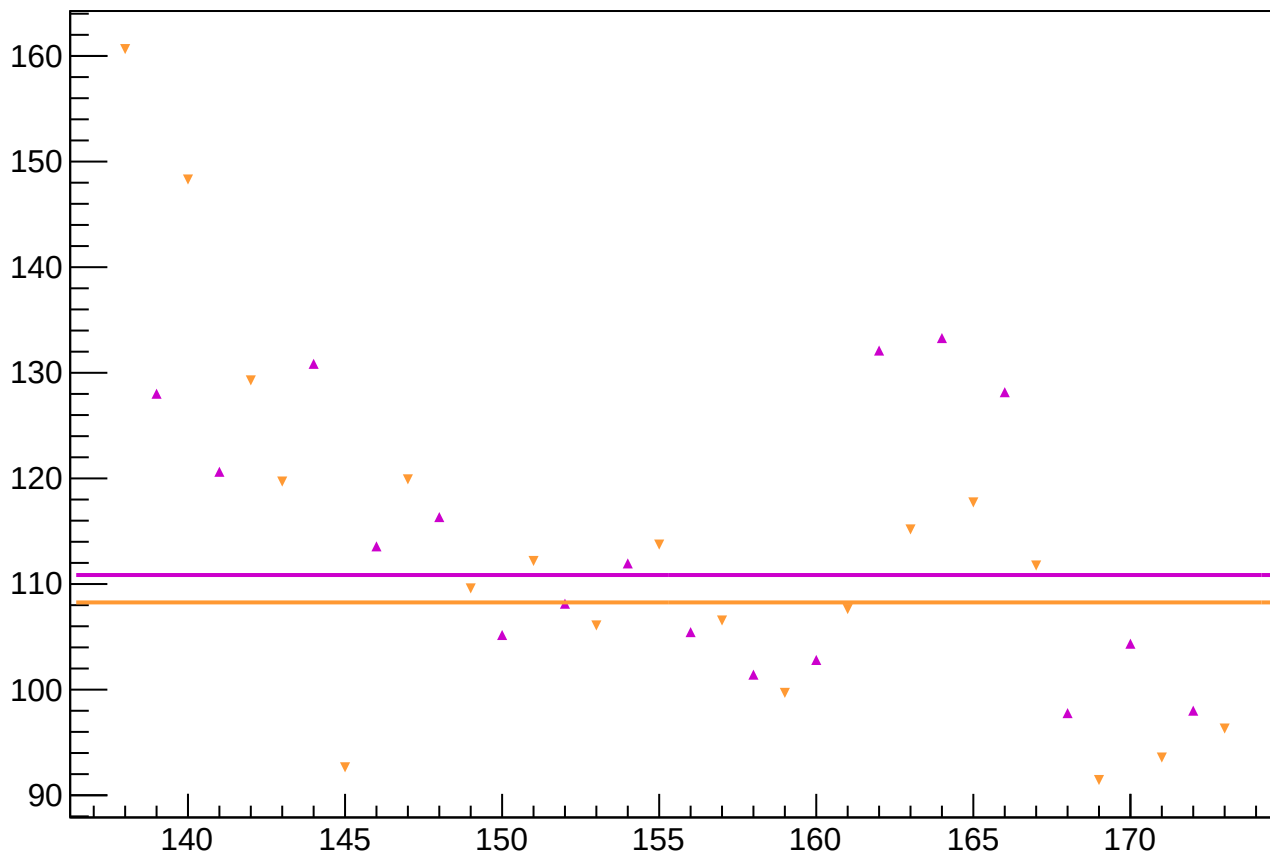
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 88.571 $\pm$ 30.813 χ^2 /NDF:24.5/16

Out: 54.854 $\pm$ 29.252 χ^2 /NDF:14.6/18

All: 70.836 $\pm$ 21.215 χ^2 /NDF: 39.7/35

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 108.259+/-0.021 χ^2/NDF :498721.3/18

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

Left In: 110.853+/-0.022 χ^2/NDF :263832.4/16

Left: 109.489+/-0.015 χ^2/NDF : 770006.9/35

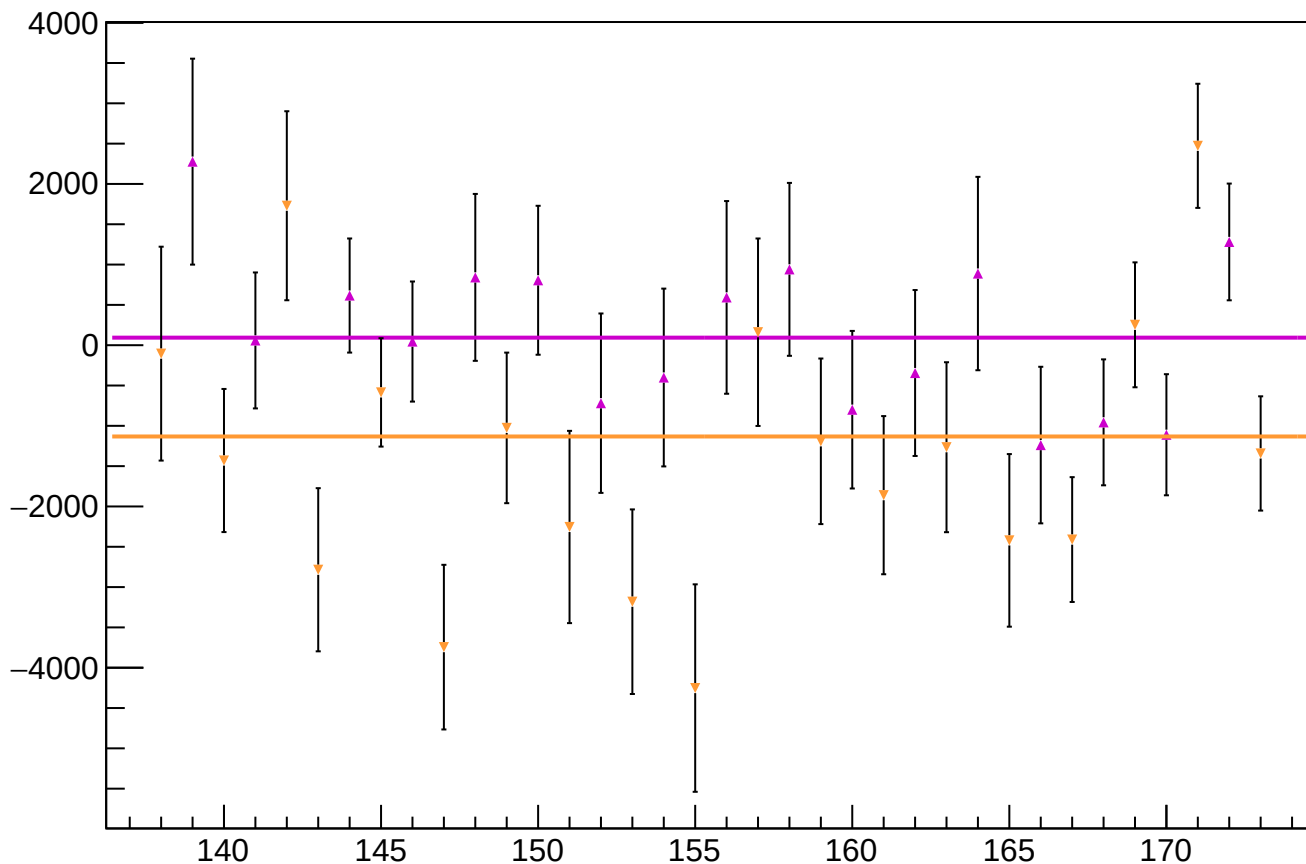
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 110.853+/-0.022 χ^2/NDF :263832.4/16

Out: 108.259+/-0.021 χ^2/NDF :498721.3/18

All: 109.489+/-0.015 χ^2/NDF : 770006.9/35

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1132.137+/-215.920 χ^2/NDF :57.7/18

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

Left In: 93.596+/-222.523 χ^2/NDF :16.5/16

Left: -537.726+/-154.960 χ^2/NDF : 89.9/35

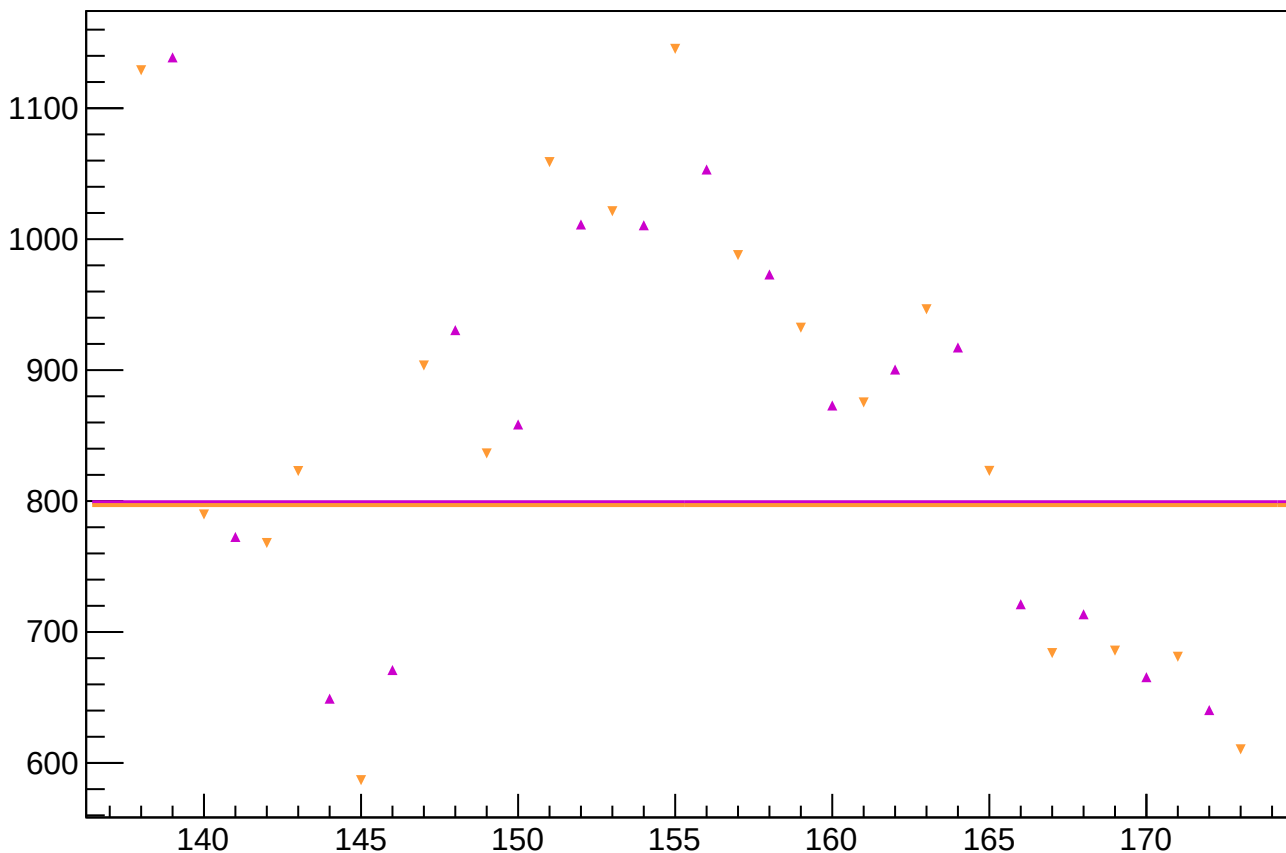
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 93.596+/-222.523 χ^2/NDF :16.5/16

Out: -1132.137+/-215.920 χ^2/NDF :57.7/18

All: -537.726+/-154.960 χ^2/NDF : 89.9/35

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 796.931+/-0.153 χ^2/NDF :1079513.0/18

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

Left In: 799.105+/-0.157 χ^2/NDF :869041.4/16

Left: 797.985+/-0.110 χ^2/NDF : 1948652.8/35

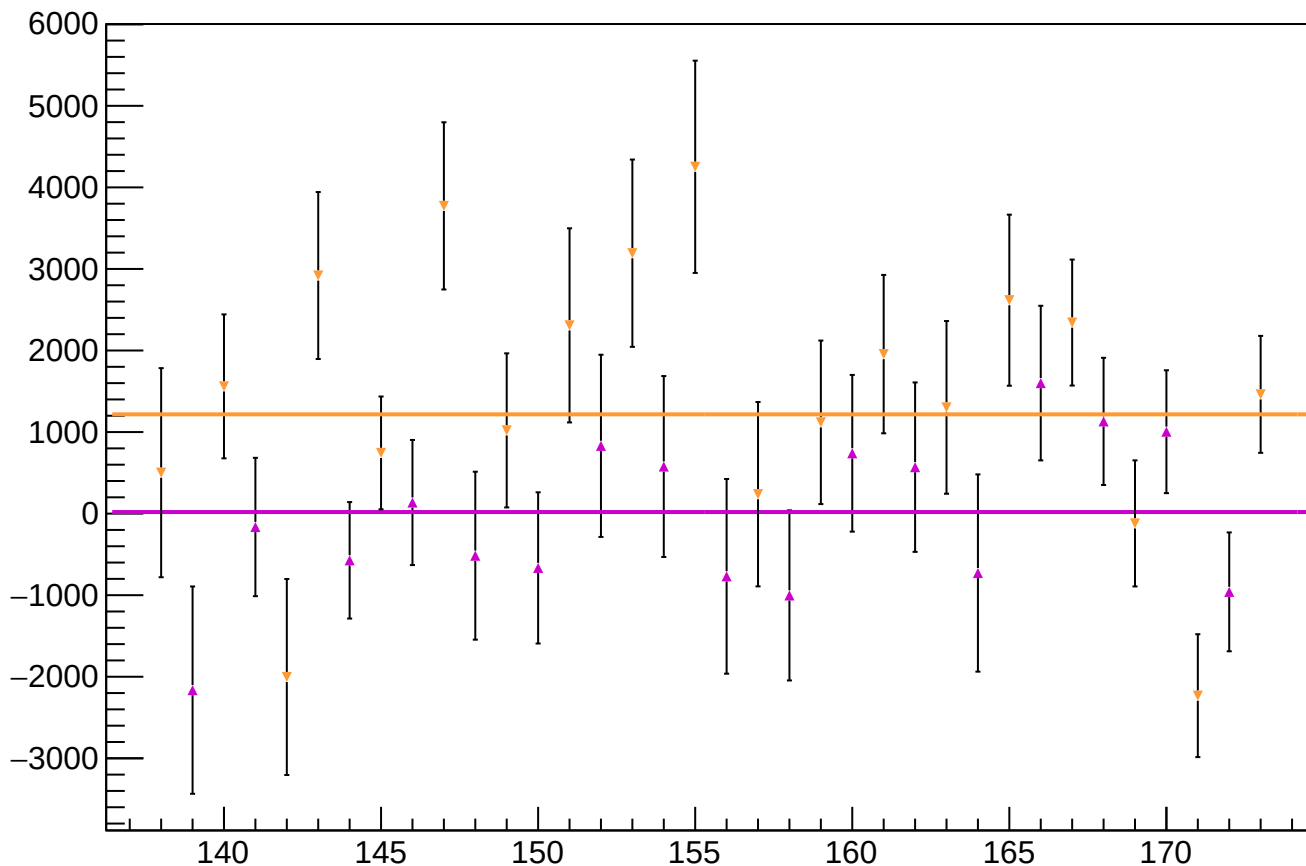
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 799.105+/-0.157 χ^2/NDF :869041.4/16

Out: 796.931+/-0.153 χ^2/NDF :1079513.0/18

All: 797.985+/-0.110 χ^2/NDF : 1948652.8/35

asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 1217.314+/-215.894 χ^2/NDF :55.7/18

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

Left In: 19.419+/-222.986 χ^2/NDF :16.3/16

Left: 637.720+/-155.107 χ^2/NDF : 86.8/35

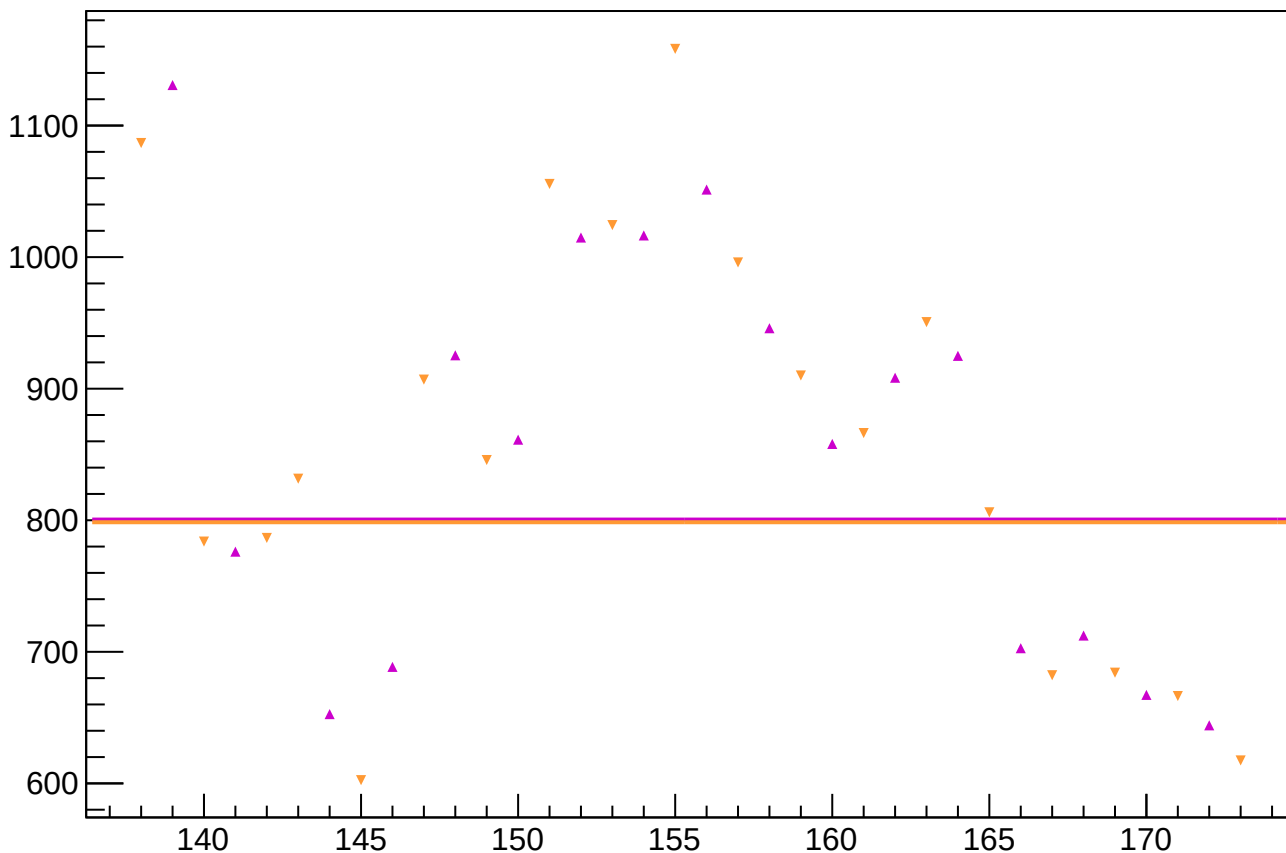
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 19.419+/-222.986 χ^2/NDF :16.3/16

Out: 1217.314+/-215.894 χ^2/NDF :55.7/18

All: 637.720+/-155.107 χ^2/NDF : 86.8/35

asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 798.497+/-0.153 χ^2/NDF :1030690.1/18

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

Left In: 800.524+/-0.158 χ^2/NDF :831247.1/16

Left: 799.478+/-0.110 χ^2/NDF : 1862022.4/35

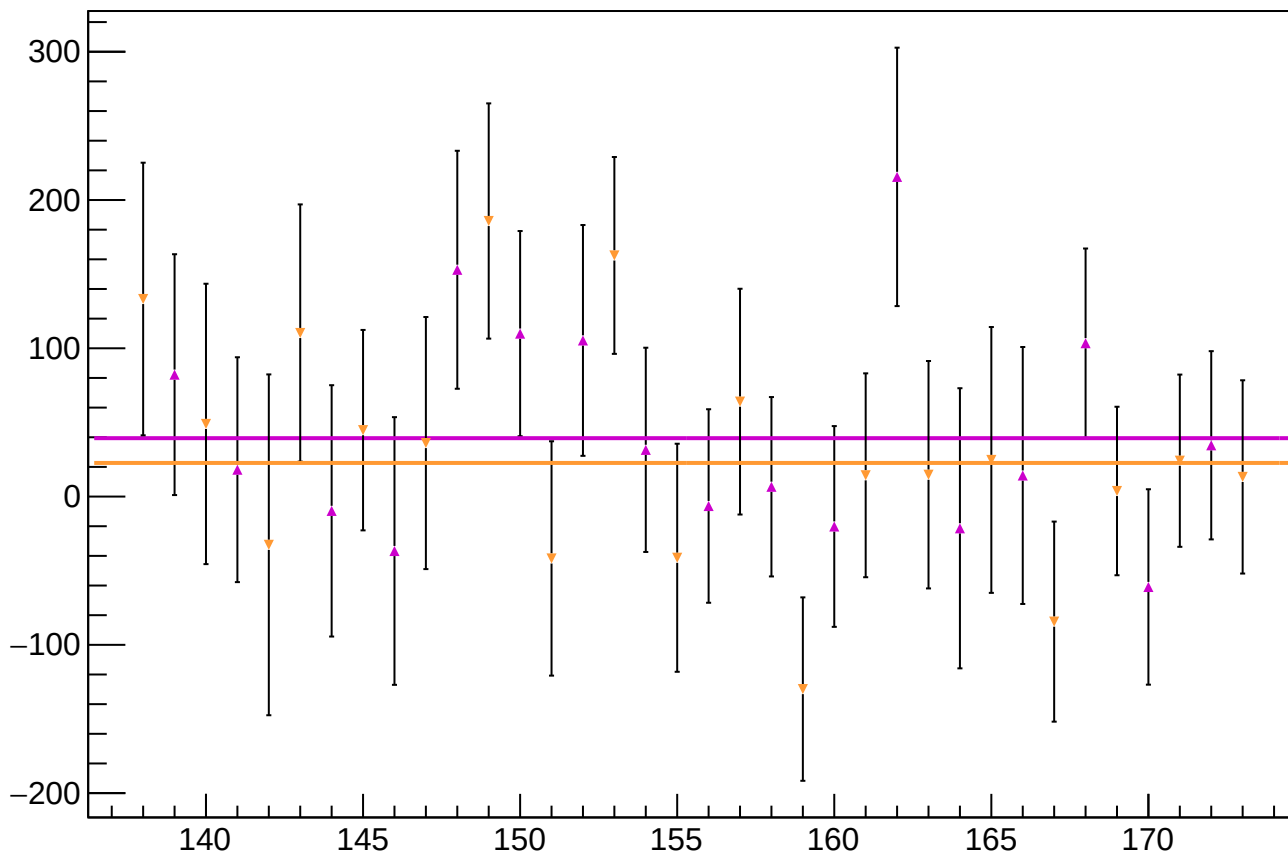
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 800.524+/-0.158 χ^2/NDF :831247.1/16

Out: 798.497+/-0.153 χ^2/NDF :1030690.1/18

All: 799.478+/-0.110 χ^2/NDF : 1862022.4/35

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: 22.682 $\pm$ 16.873 χ^2 /NDF:22.0/18

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

Left In: 39.382 $\pm$ 17.804 χ^2 /NDF:14.7/16

Left: 30.584 $\pm$ 12.247 χ^2 /NDF: 37.1/35

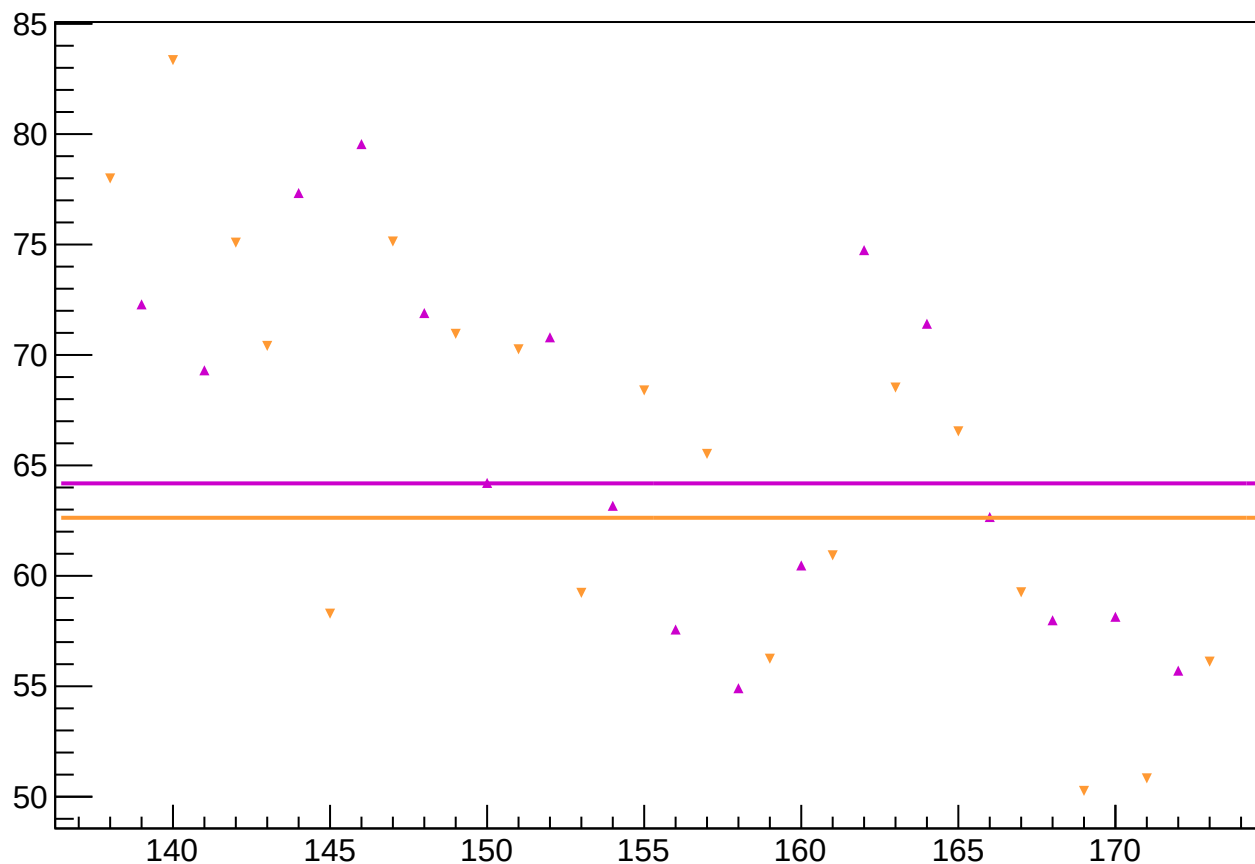
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 39.382 $\pm$ 17.804 χ^2 /NDF:14.7/16

Out: 22.682 $\pm$ 16.873 χ^2 /NDF:22.0/18

All: 30.584 $\pm$ 12.247 χ^2 /NDF: 37.1/35

dit_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 62.629 $\pm$ 0.012 χ^2 /NDF:543466.8/18

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

Left In: 64.186 $\pm$ 0.013 χ^2 /NDF:355031.4/16

Left: 63.366 $\pm$ 0.009 χ^2 /NDF: 906560.1/35

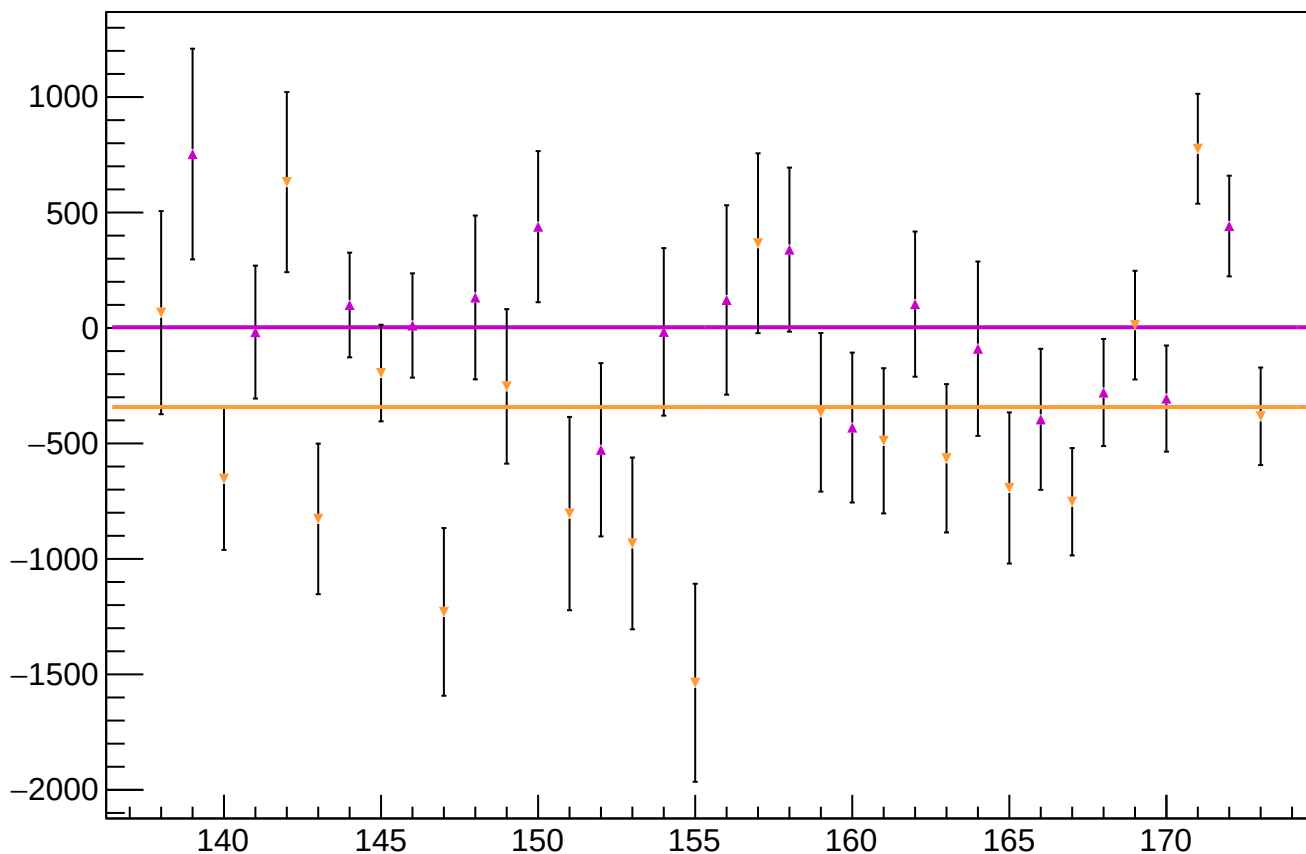
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 64.186 $\pm$ 0.013 χ^2 /NDF:355031.4/16

Out: 62.629 $\pm$ 0.012 χ^2 /NDF:543466.8/18

All: 63.366 $\pm$ 0.009 χ^2 /NDF: 906560.1/35

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -342.357+/-68.953 χ^2/NDF :61.0/18

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

Left In: 3.180+/-71.109 χ^2/NDF :18.8/16

Left: -174.906+/-49.502 χ^2/NDF : 92.0/35

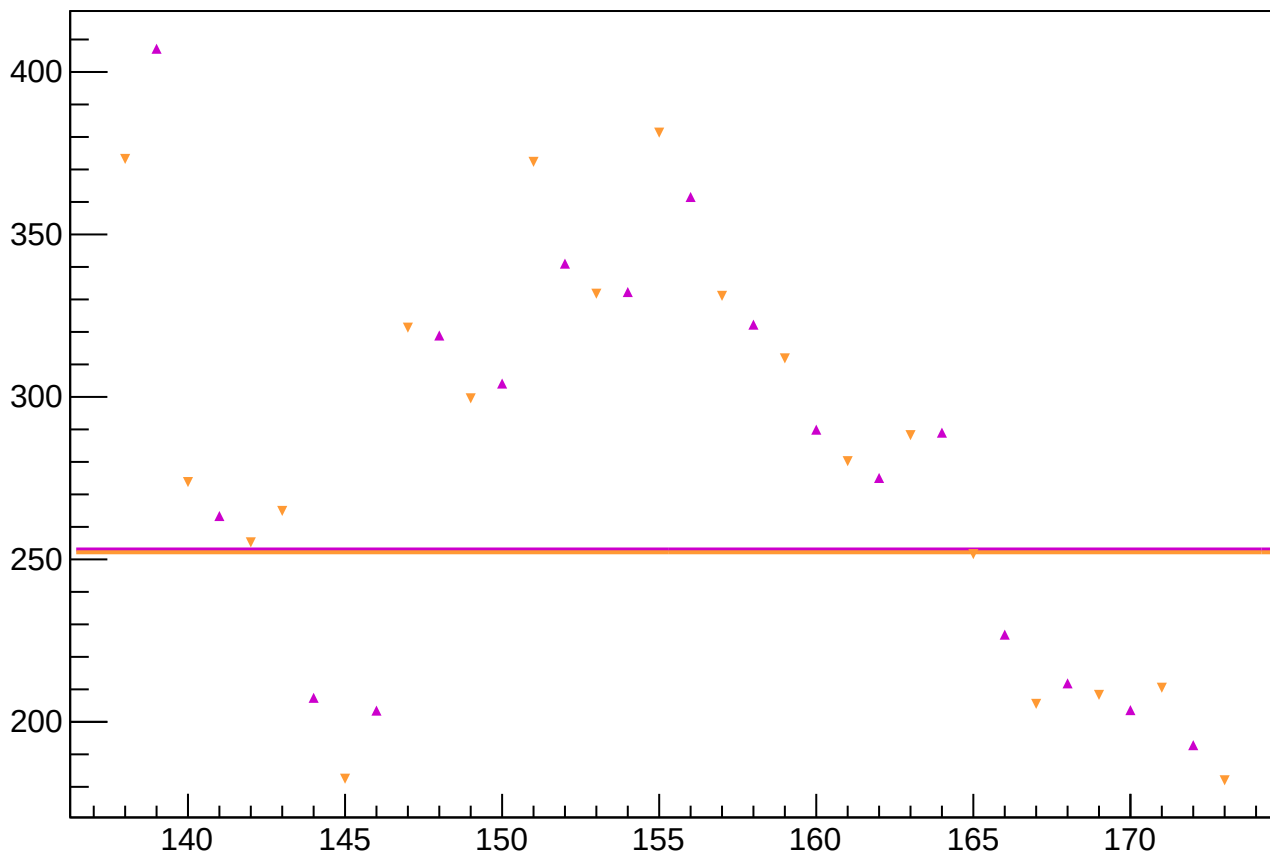
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 3.180+/-71.109 χ^2/NDF :18.8/16

Out: -342.357+/-68.953 χ^2/NDF :61.0/18

All: -174.906+/-49.502 χ^2/NDF : 92.0/35

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 252.188+/-0.049 χ^2/NDF :1553106.0/18

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

Left In: 253.046+/-0.050 χ^2/NDF :1324092.3/16

Left: 252.604+/-0.035 χ^2/NDF : 2877348.3/35

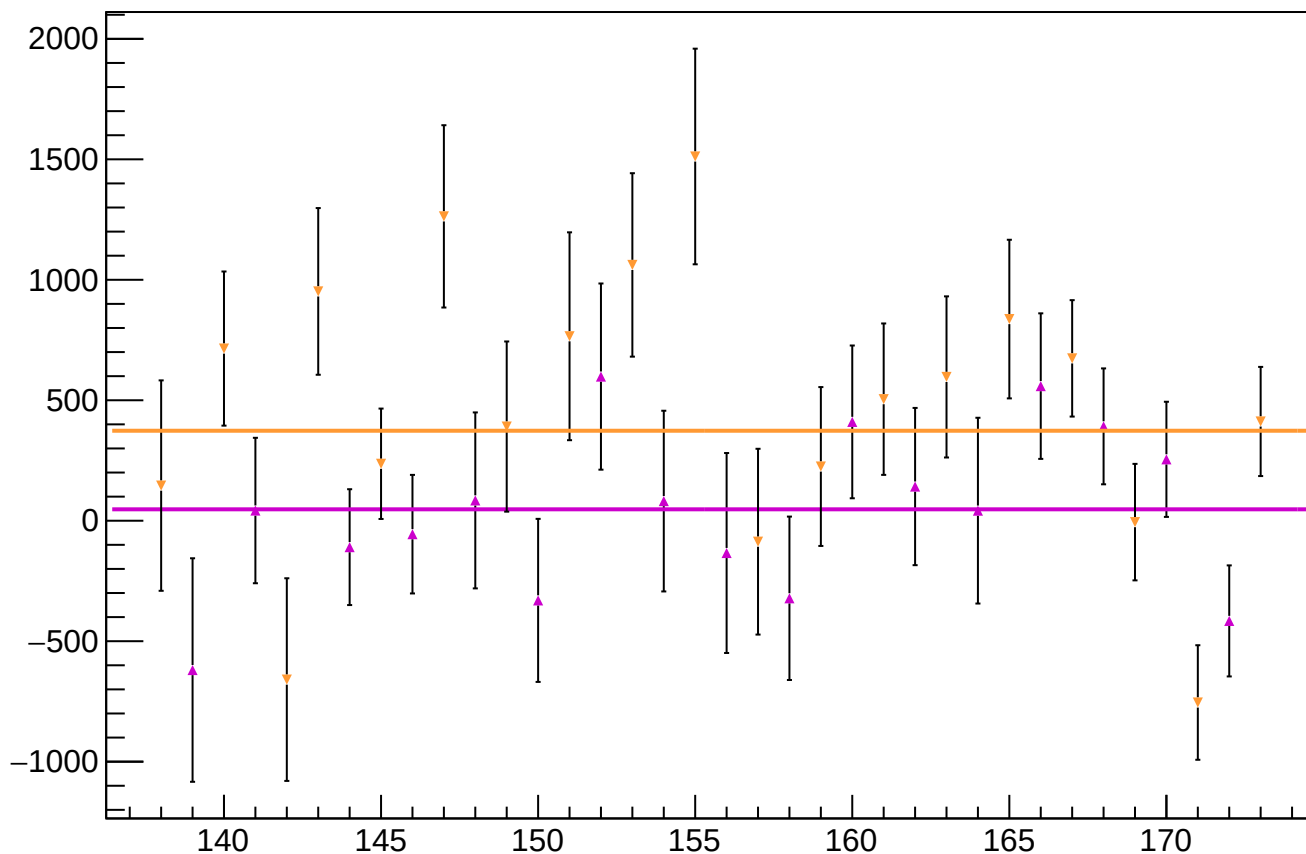
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 253.046+/-0.050 χ^2/NDF :1324092.3/16

Out: 252.188+/-0.049 χ^2/NDF :1553106.0/18

All: 252.604+/-0.035 χ^2/NDF : 2877348.3/35

asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 373.496+/-71.427 χ^2/NDF :57.5/18

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

Left In: 47.362+/-73.591 χ^2/NDF :18.5/16

Left: 215.293+/-51.255 χ^2/NDF : 86.0/35

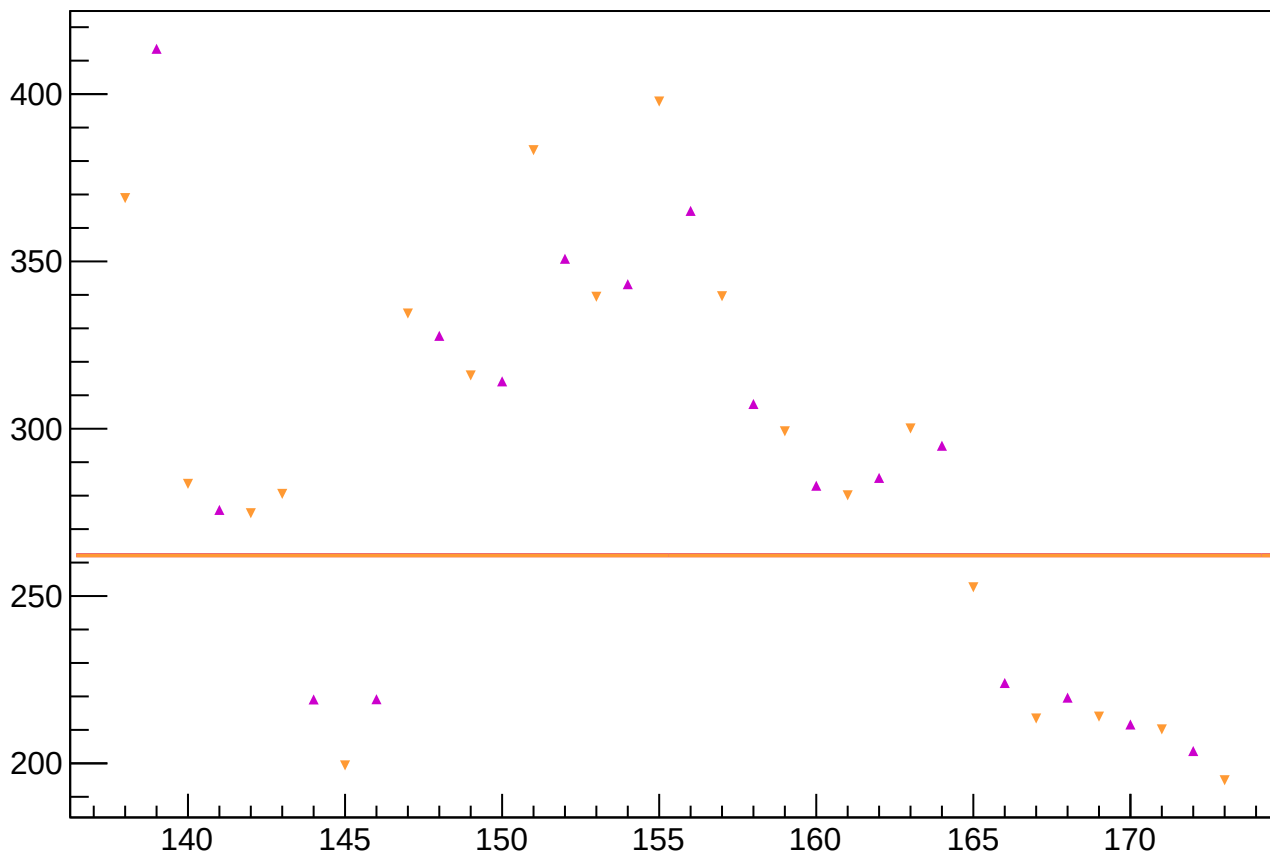
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 47.362+/-73.591 χ^2/NDF :18.5/16

Out: 373.496+/-71.427 χ^2/NDF :57.5/18

All: 215.293+/-51.255 χ^2/NDF : 86.0/35

asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 262.153+/-0.051 χ^2/NDF :1401749.6/18

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

Left In: 262.219+/-0.052 χ^2/NDF :1157219.7/16

Left: 262.185+/-0.036 χ^2/NDF : 2558970.1/35

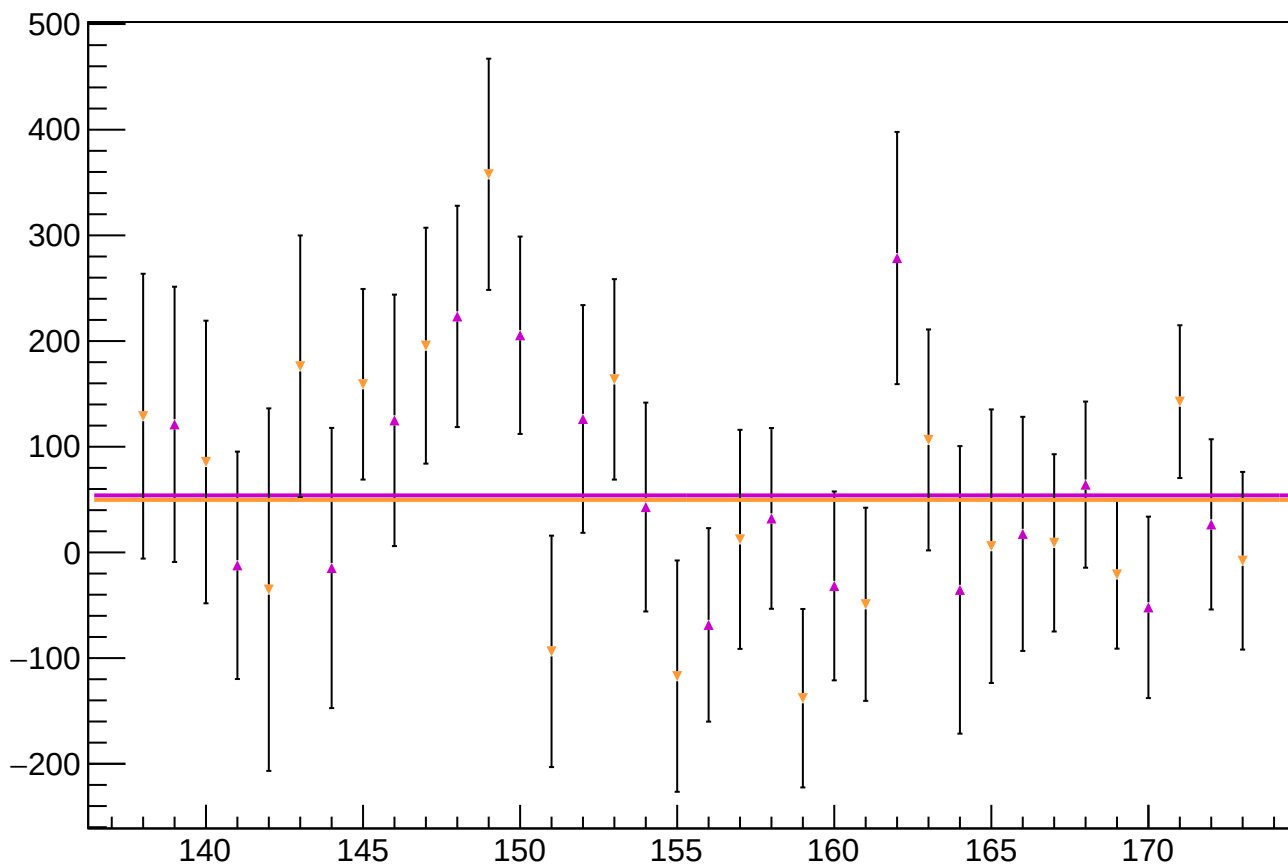
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 262.219+/-0.052 χ^2/NDF :1157219.7/16

Out: 262.153+/-0.051 χ^2/NDF :1401749.6/18

All: 262.185+/-0.036 χ^2/NDF : 2558970.1/35

dit_asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 49.669 $\pm$ 22.603 χ^2 /NDF:28.3/18

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

Left In: 53.954 $\pm$ 24.211 χ^2 /NDF:15.5/16

Left: 51.664 $\pm$ 16.522 χ^2 /NDF: 43.8/35

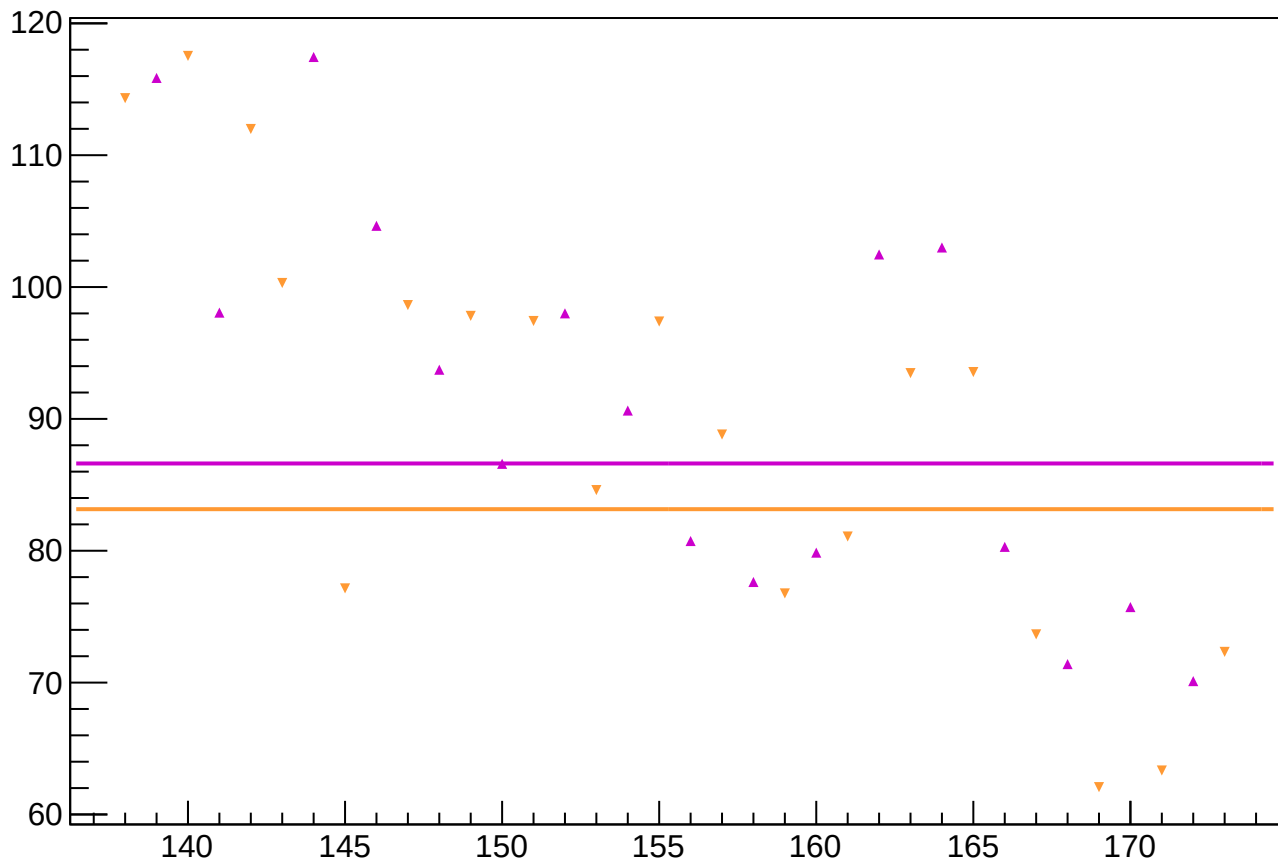
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 53.954 $\pm$ 24.211 χ^2 /NDF:15.5/16

Out: 49.669 $\pm$ 22.603 χ^2 /NDF:28.3/18

All: 51.664 $\pm$ 16.522 χ^2 /NDF: 43.8/35

dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 83.153+/-0.016 χ^2/NDF :926080.9/18

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

Left In: 86.619+/-0.017 χ^2/NDF :616093.8/16

Left: 84.767+/-0.012 χ^2/NDF : 1564079.4/35

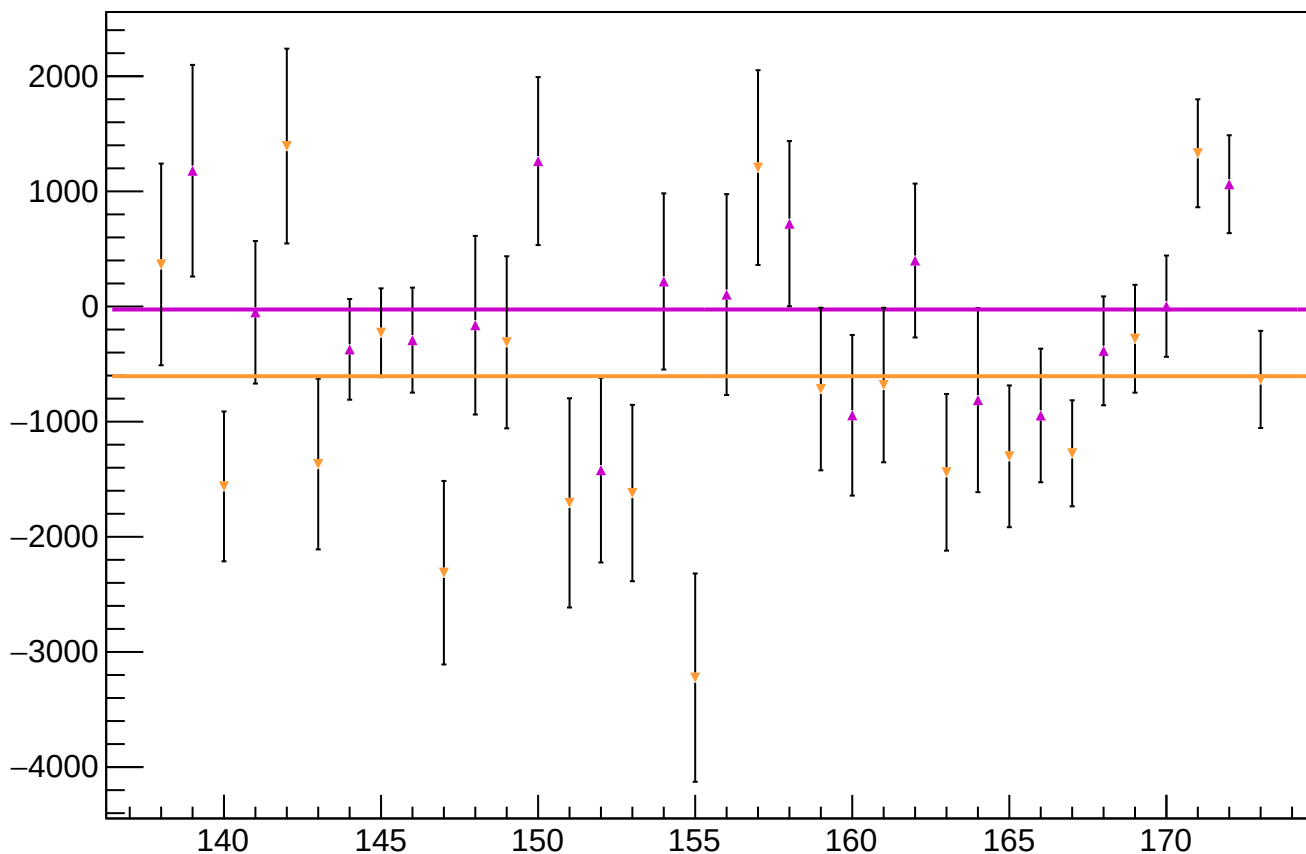
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 86.619+/-0.017 χ^2/NDF :616093.8/16

Out: 83.153+/-0.016 χ^2/NDF :926080.9/18

All: 84.767+/-0.012 χ^2/NDF : 1564079.4/35

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -605.192+/-140.053 χ^2/NDF :54.4/18

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

Left In: -26.005+/-144.482 χ^2/NDF :22.8/16

Left: -324.612+/-100.562 χ^2/NDF : 85.5/35

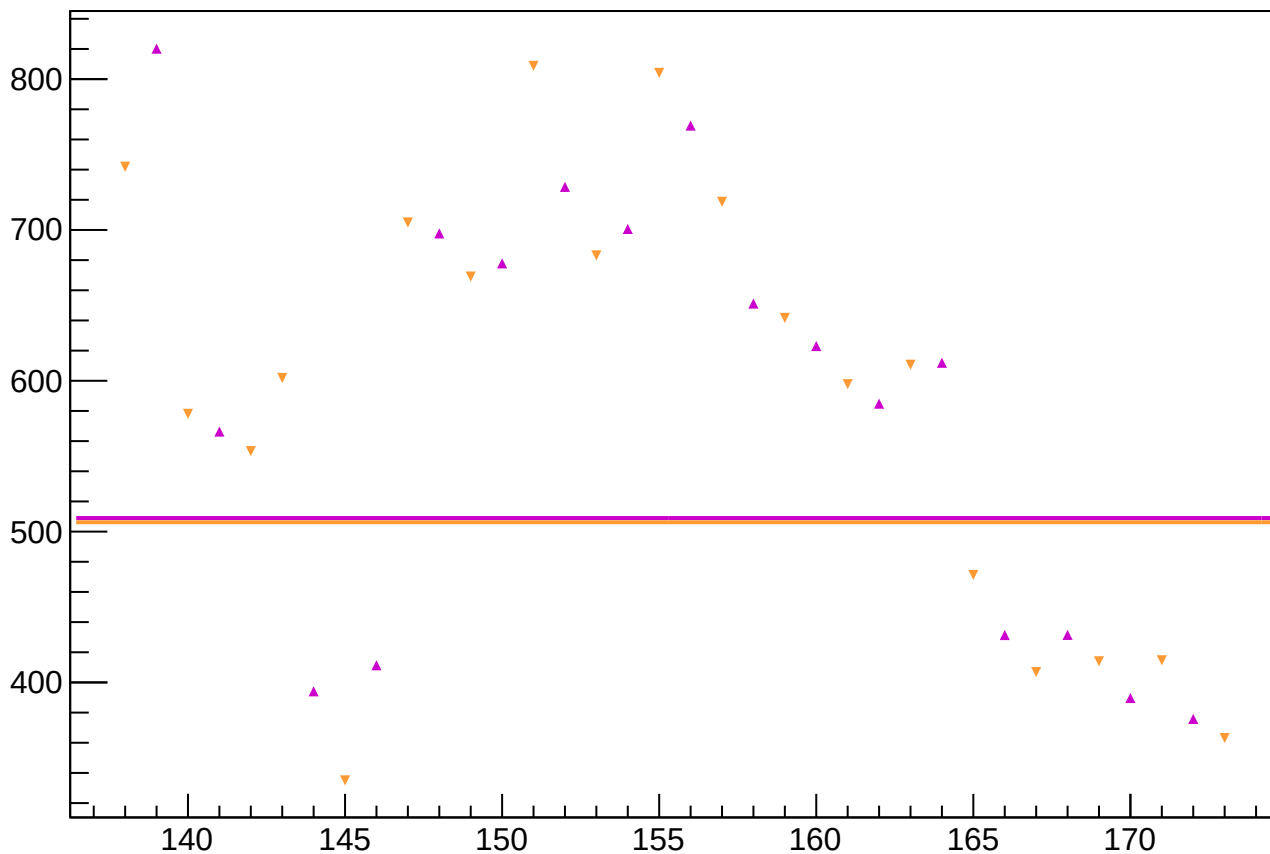
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -26.005+/-144.482 χ^2/NDF :22.8/16

Out: -605.192+/-140.053 χ^2/NDF :54.4/18

All: -324.612+/-100.562 χ^2/NDF : 85.5/35

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 506.212+/-0.099 χ^2/NDF :2135218.8/18

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

Left In: 508.997+/-0.102 χ^2/NDF :1779114.0/16

Left: 507.561+/-0.071 χ^2/NDF : 3914716.0/35

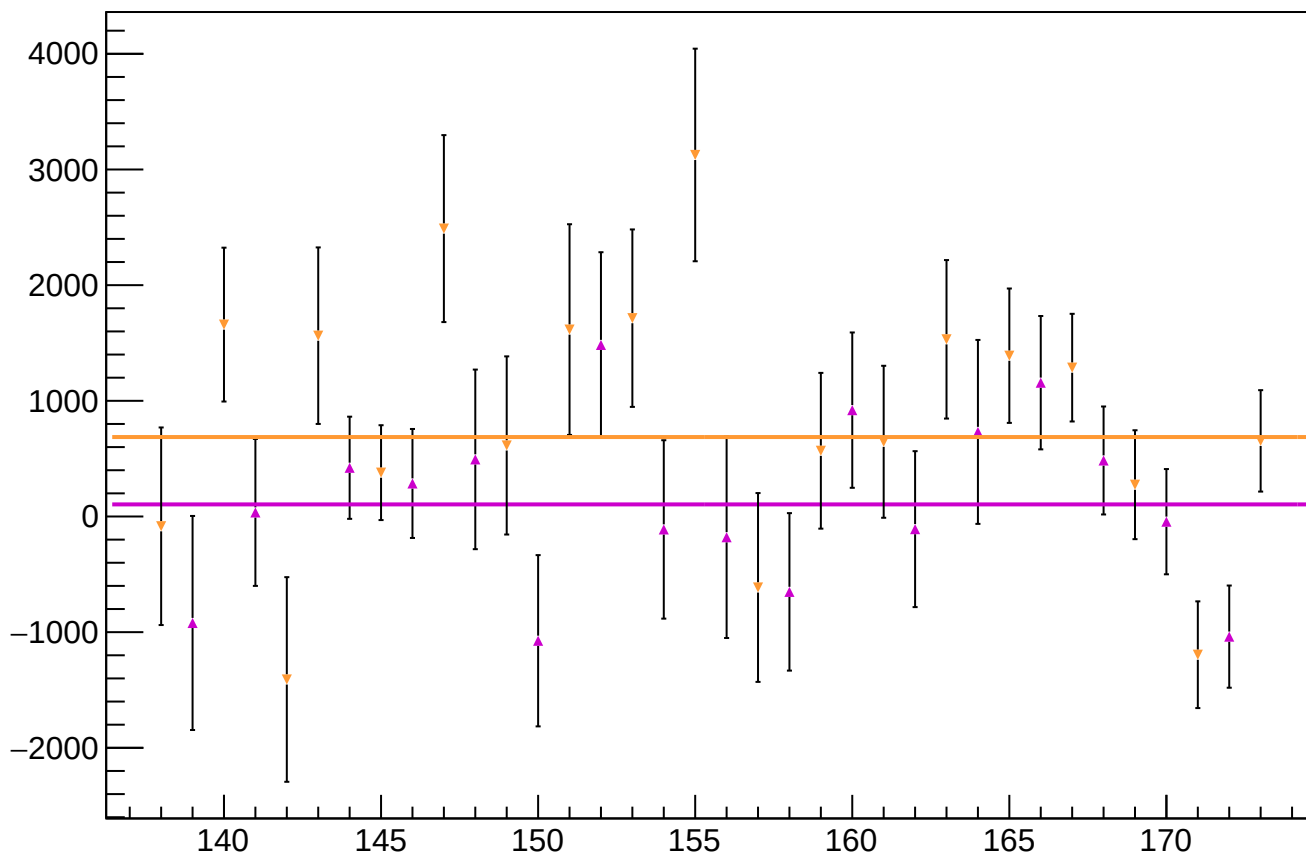
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 508.997+/-0.102 χ^2/NDF :1779114.0/16

Out: 506.212+/-0.099 χ^2/NDF :2135218.8/18

All: 507.561+/-0.071 χ^2/NDF : 3914716.0/35

asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 686.860+/-141.381 χ^2/NDF :49.9/18

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

Left In: 104.547+/-145.820 χ^2/NDF :22.1/16

Left: 404.703+/-101.504 χ^2/NDF : 80.2/35

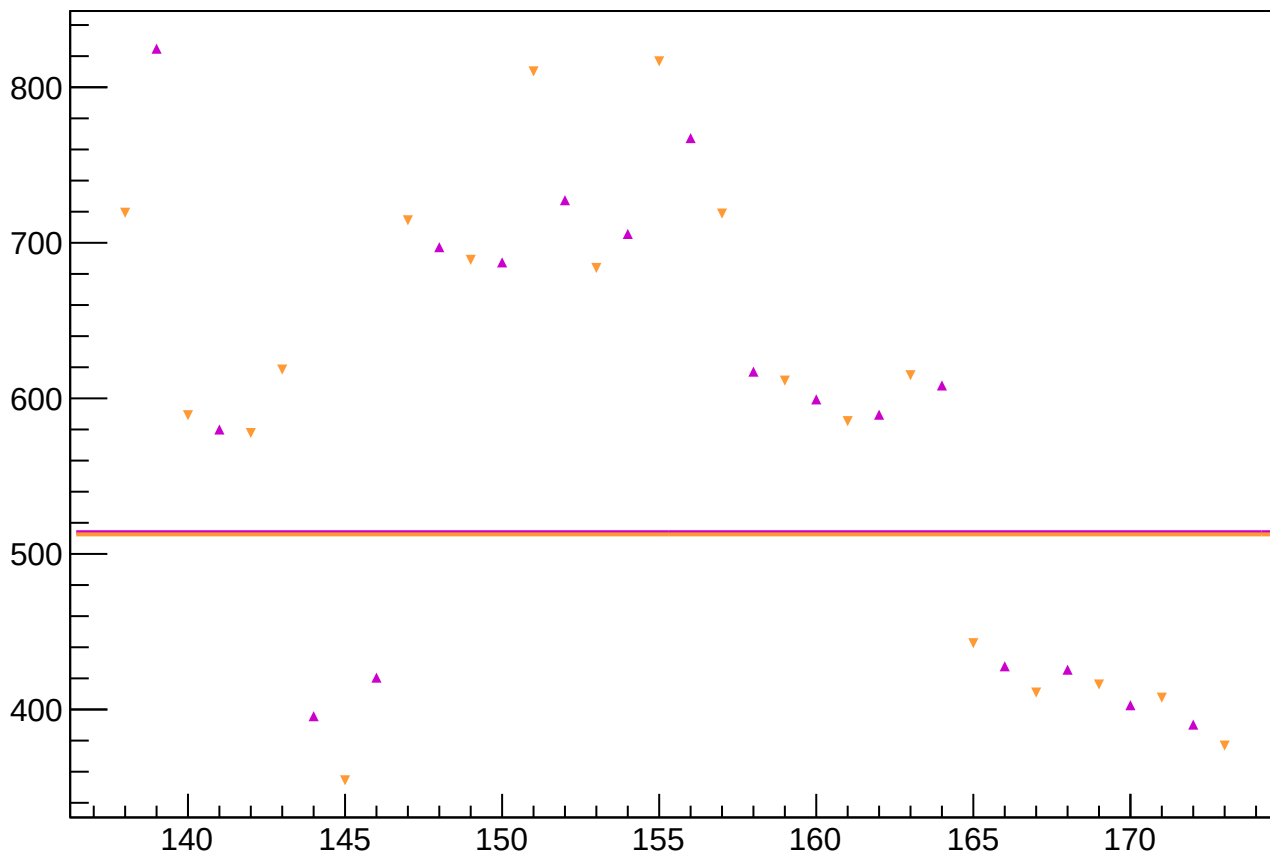
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 104.547+/-145.820 χ^2/NDF :22.1/16

Out: 686.860+/-141.381 χ^2/NDF :49.9/18

All: 404.703+/-101.504 χ^2/NDF : 80.2/35

asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 512.562+/-0.100 χ^2/NDF :1996534.9/18

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

Left In: 513.952+/-0.103 χ^2/NDF :1649561.1/16

Left: 513.235+/-0.072 χ^2/NDF : 3646189.7/35

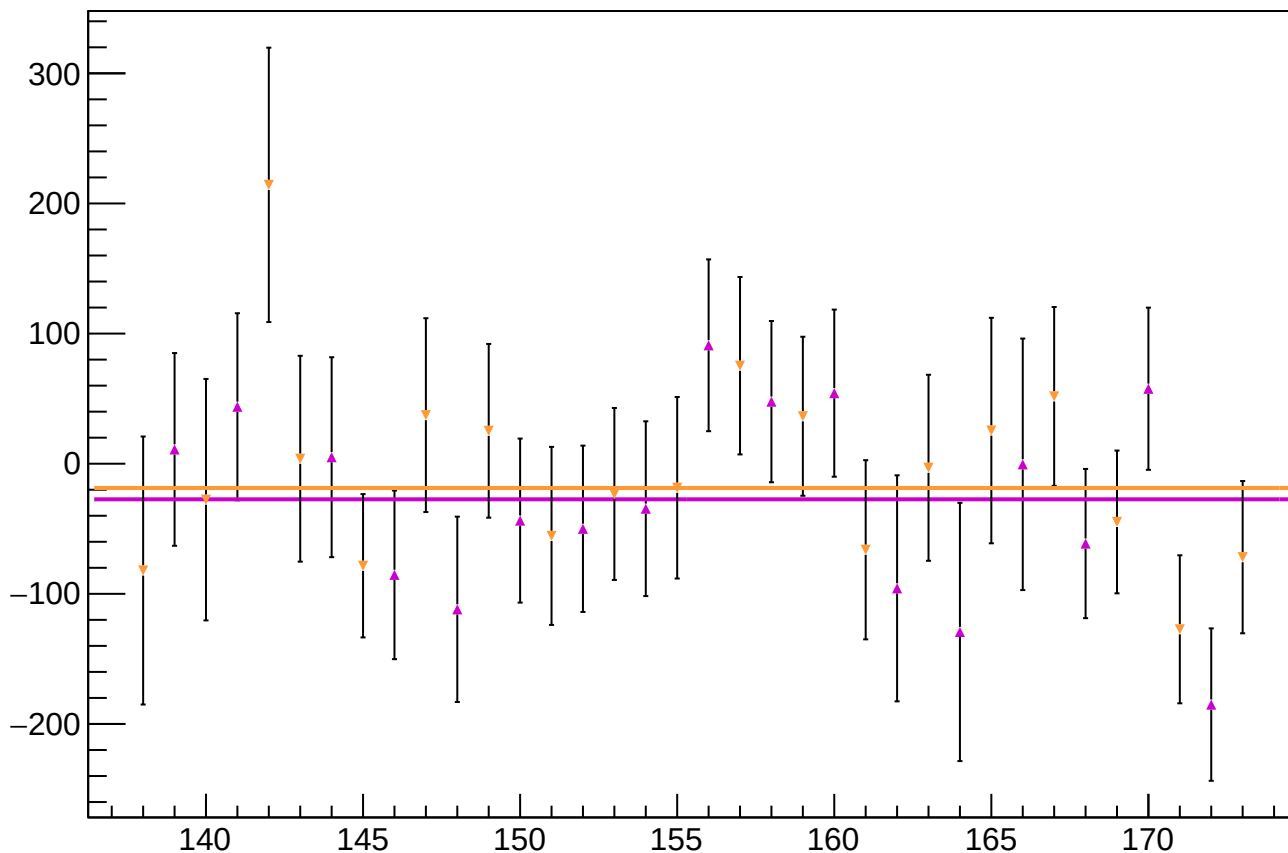
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 513.952+/-0.103 χ^2/NDF :1649561.1/16

Out: 512.562+/-0.100 χ^2/NDF :1996534.9/18

All: 513.235+/-0.072 χ^2/NDF : 3646189.7/35

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: -18.677+/-15.789 χ^2/NDF :17.1/18

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

Left In: -27.357+/-16.608 χ^2/NDF :21.4/16

Left: -22.798+/-11.443 χ^2/NDF : 38.6/35

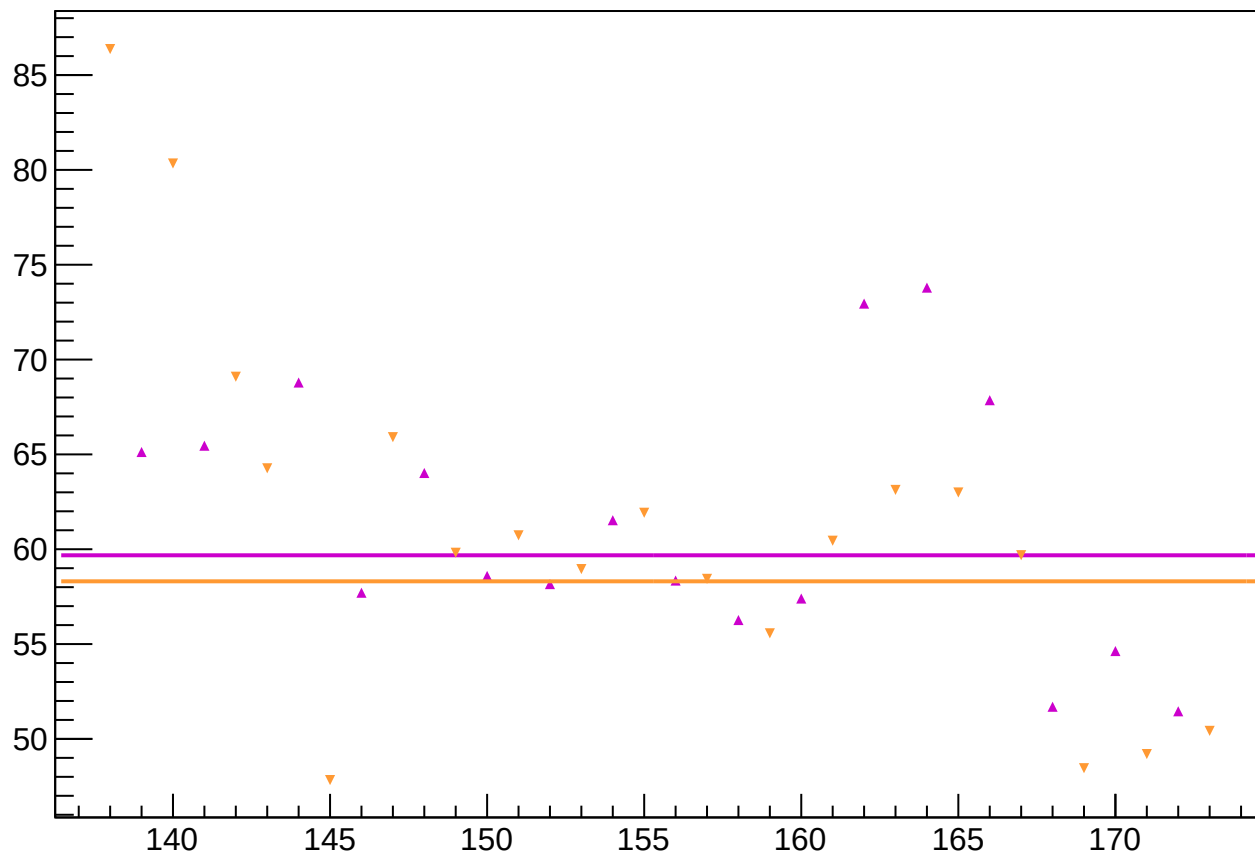
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -27.357+/-16.608 χ^2/NDF :21.4/16

Out: -18.677+/-15.789 χ^2/NDF :17.1/18

All: -22.798+/-11.443 χ^2/NDF : 38.6/35

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: 58.308+/-0.011 χ^2/NDF :569716.8/18

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

Left In: 59.681+/-0.012 χ^2/NDF :266593.3/16

Left: 58.960+/-0.008 χ^2/NDF : 843481.2/35

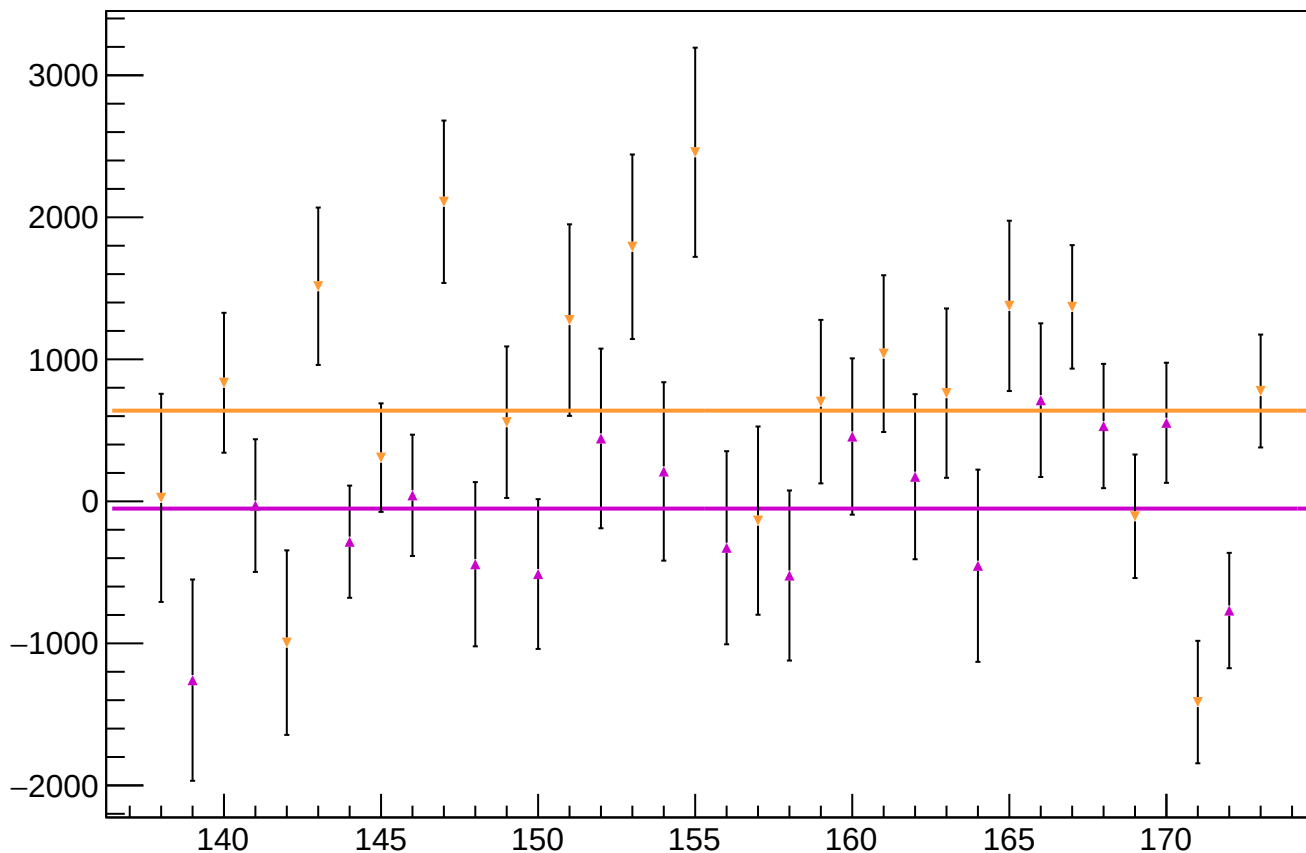
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 59.681+/-0.012 χ^2/NDF :266593.3/16

Out: 58.308+/-0.011 χ^2/NDF :569716.8/18

All: 58.960+/-0.008 χ^2/NDF : 843481.2/35

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: 638.704+/-121.347 χ^2/NDF :59.2/18

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

Left In: -50.996+/-125.205 χ^2/NDF :16.4/16

Left: 304.641+/-87.137 χ^2/NDF : 91.2/35

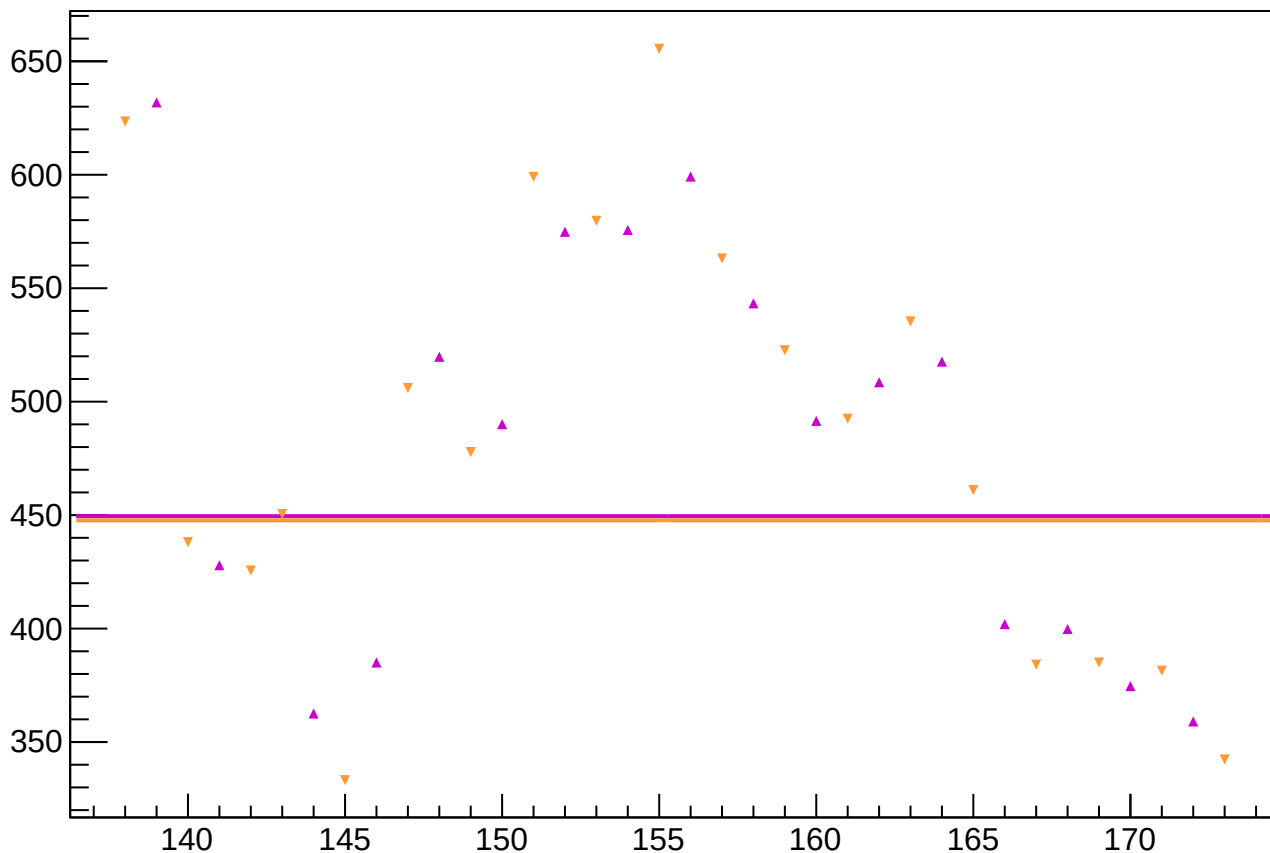
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -50.996+/-125.205 χ^2/NDF :16.4/16

Out: 638.704+/-121.347 χ^2/NDF :59.2/18

All: 304.641+/-87.137 χ^2/NDF : 91.2/35

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: 447.716+/-0.086 χ^2/NDF :1091706.5/18

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

Left In: 449.540+/-0.089 χ^2/NDF :881667.2/16

Left: 448.600+/-0.062 χ^2/NDF : 1973592.6/35

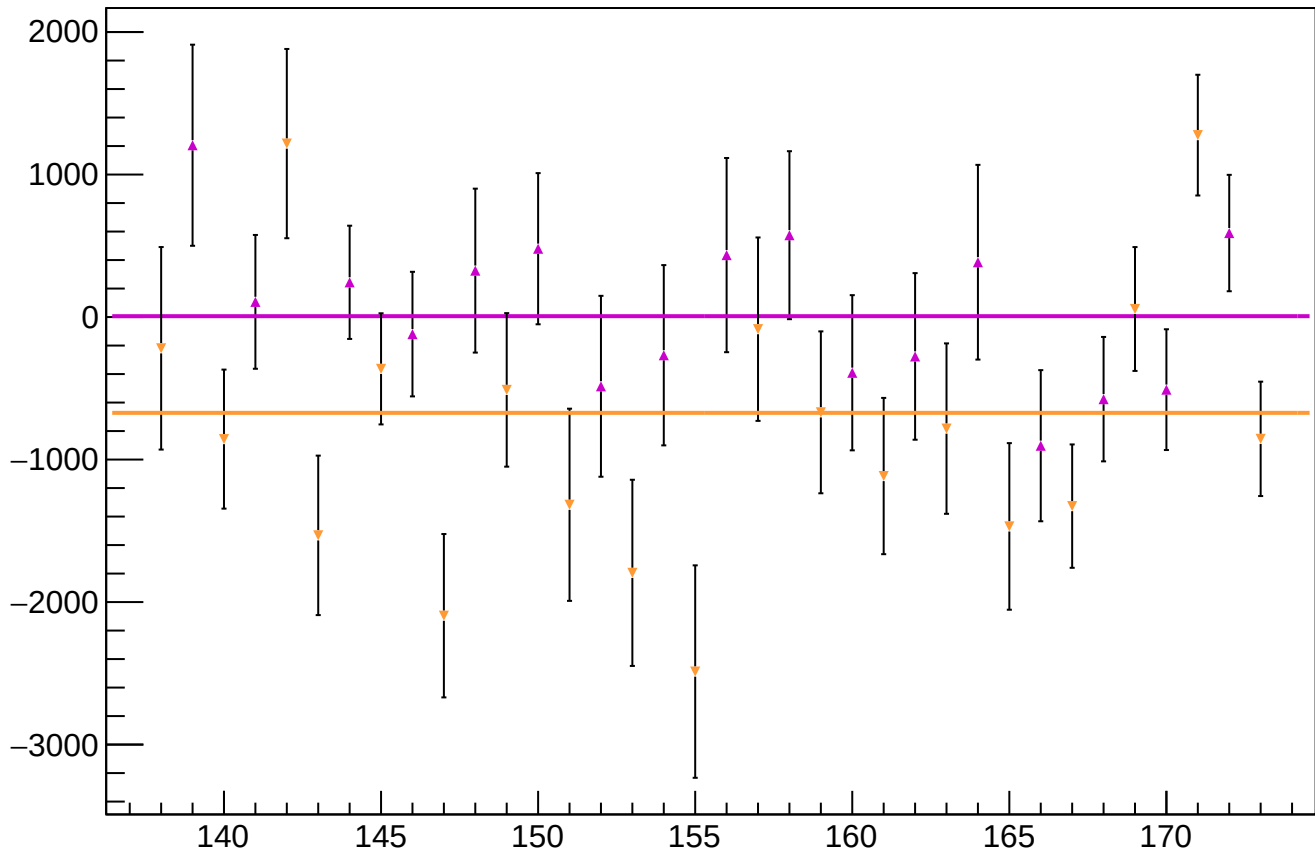
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 449.540+/-0.089 χ^2/NDF :881667.2/16

Out: 447.716+/-0.086 χ^2/NDF :1091706.5/18

All: 448.600+/-0.062 χ^2/NDF : 1973592.6/35

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -672.139+/-121.241 χ^2/NDF :57.5/18

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

Left In: 6.146+/-125.478 χ^2/NDF :15.9/16

Left: -344.641+/-87.190 χ^2/NDF : 88.6/35

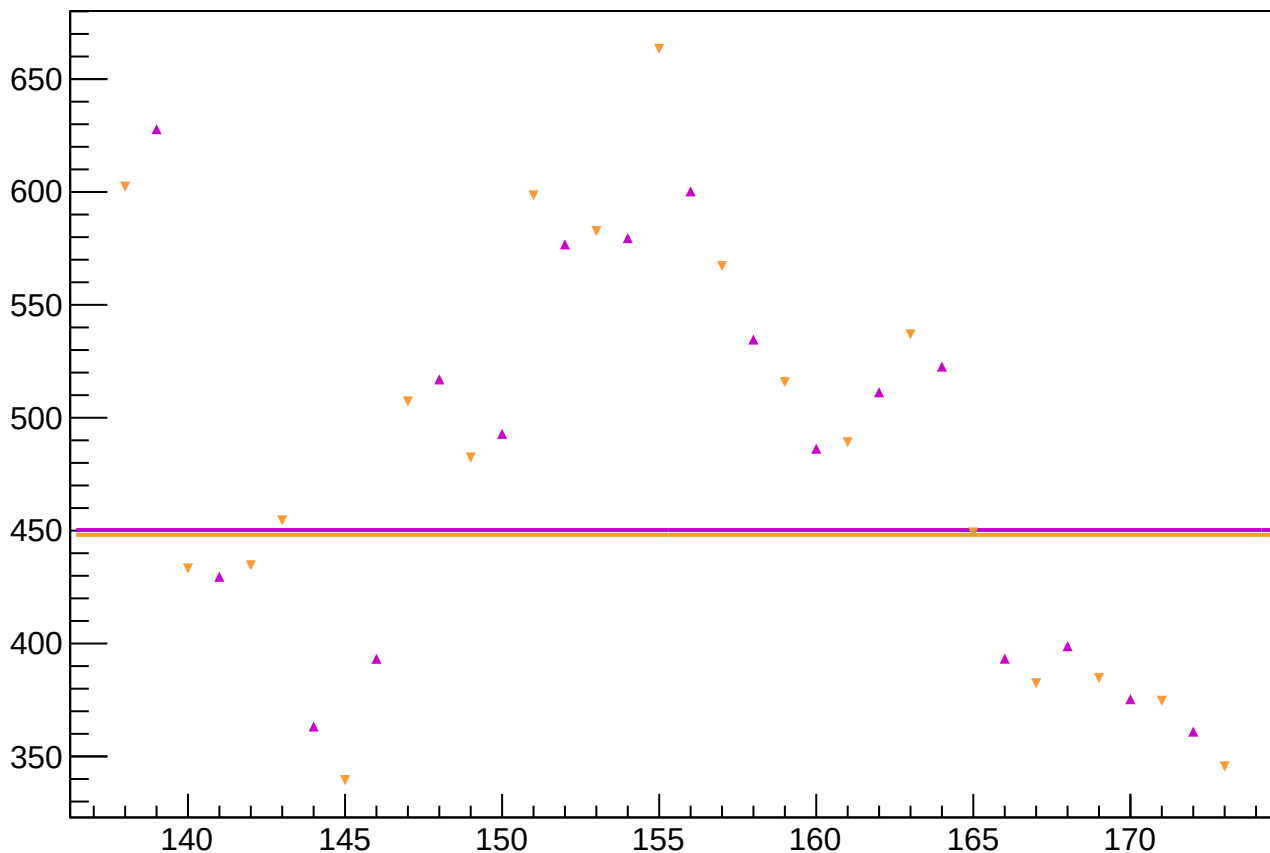
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 6.146+/-125.478 χ^2/NDF :15.9/16

Out: -672.139+/-121.241 χ^2/NDF :57.5/18

All: -344.641+/-87.190 χ^2/NDF : 88.6/35

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 448.139+/-0.086 χ^2/NDF :1064459.8/18

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

Left In: 450.267+/-0.089 χ^2/NDF :863183.6/16

Left: 449.166+/-0.062 χ^2/NDF : 1927940.9/35

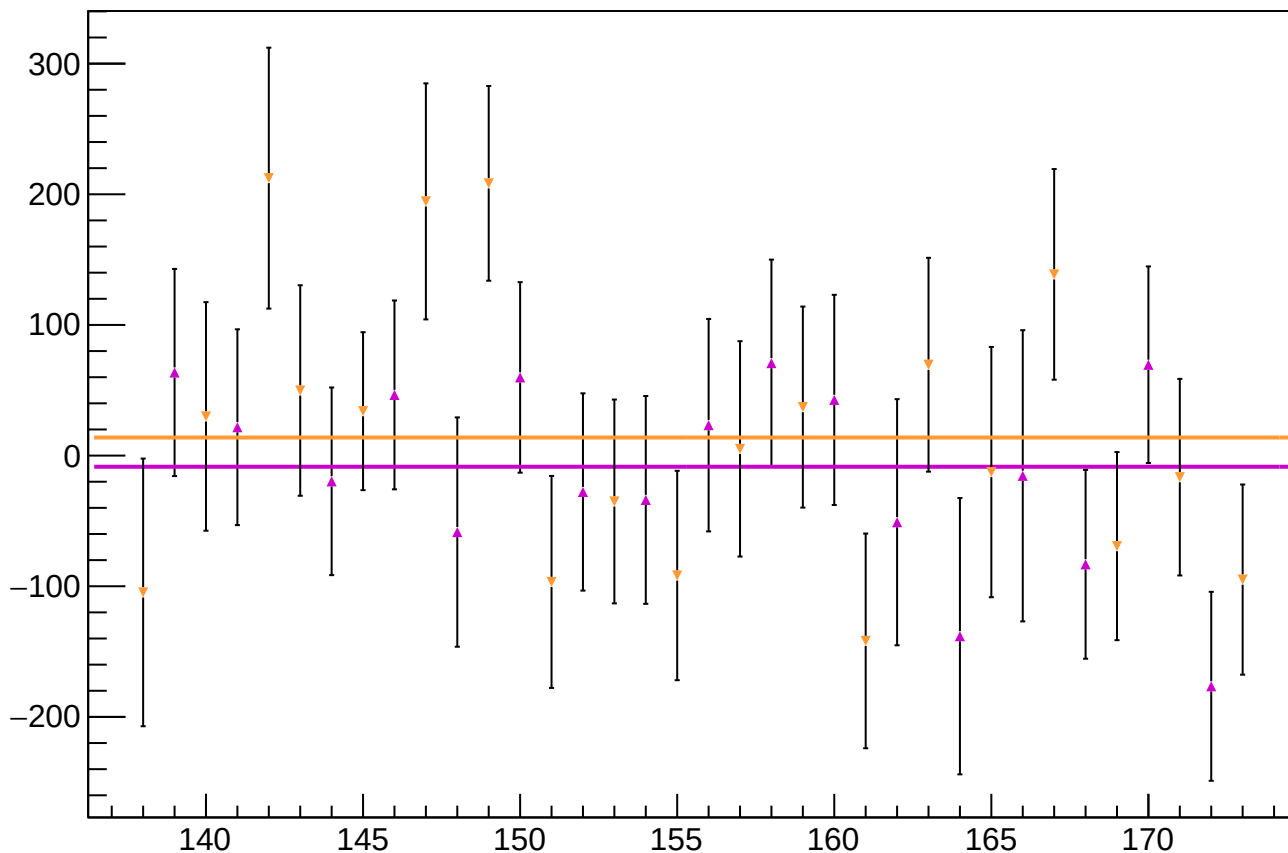
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 450.267+/-0.089 χ^2/NDF :863183.6/16

Out: 448.139+/-0.086 χ^2/NDF :1064459.8/18

All: 449.166+/-0.062 χ^2/NDF : 1927940.9/35

dit_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: 13.832+/-18.369 χ^2/NDF :30.8/18

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

Left In: -8.542+/-19.312 χ^2/NDF :13.8/16

Left: 3.205+/-13.310 χ^2/NDF : 45.3/35

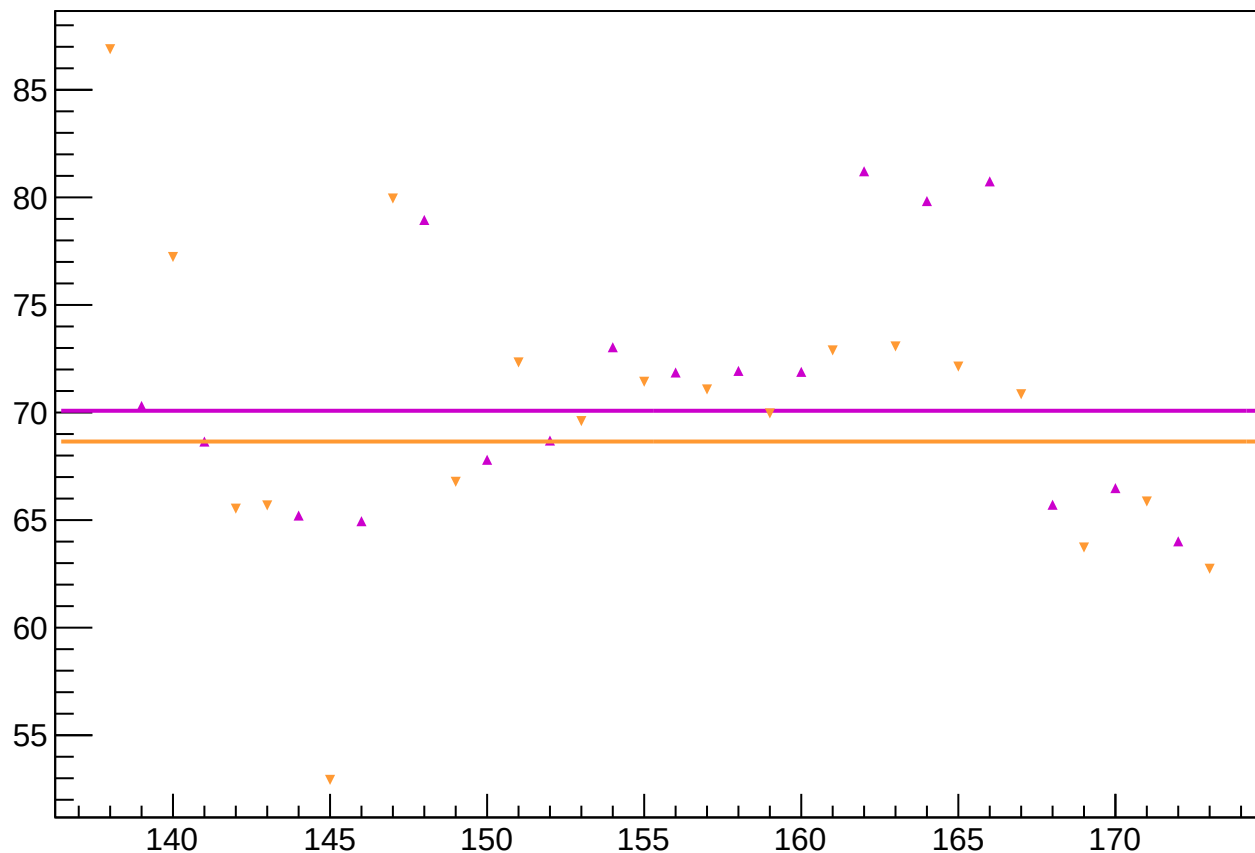
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -8.542+/-19.312 χ^2/NDF :13.8/16

Out: 13.832+/-18.369 χ^2/NDF :30.8/18

All: 3.205+/-13.310 χ^2/NDF : 45.3/35

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: 68.652+/-0.013 χ^2 /NDF:304935.6/18

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

Left In: 70.081+/-0.014 χ^2 /NDF:138105.8/16

Left: 69.331+/-0.009 χ^2 /NDF: 448795.0/35

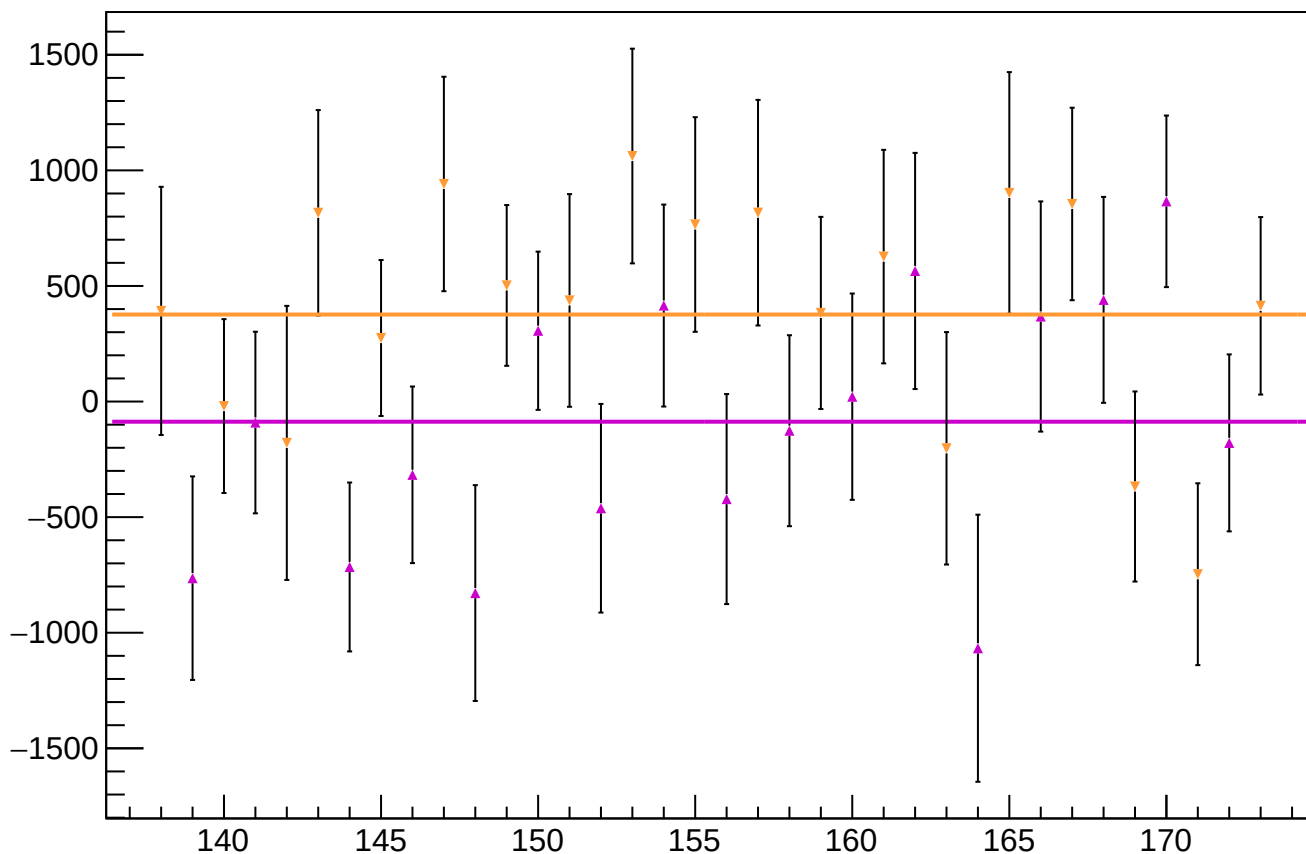
Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

In: 70.081+/-0.014 χ^2 /NDF:138105.8/16

Out: 68.652+/-0.013 χ^2 /NDF:304935.6/18

All: 69.331+/-0.009 χ^2 /NDF: 448795.0/35

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: 376.462+/-99.310 χ^2/NDF :23.8/18

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

Left In: -87.198+/-102.608 χ^2/NDF :25.5/16

Left: 152.202+/-71.360 χ^2/NDF : 59.9/35

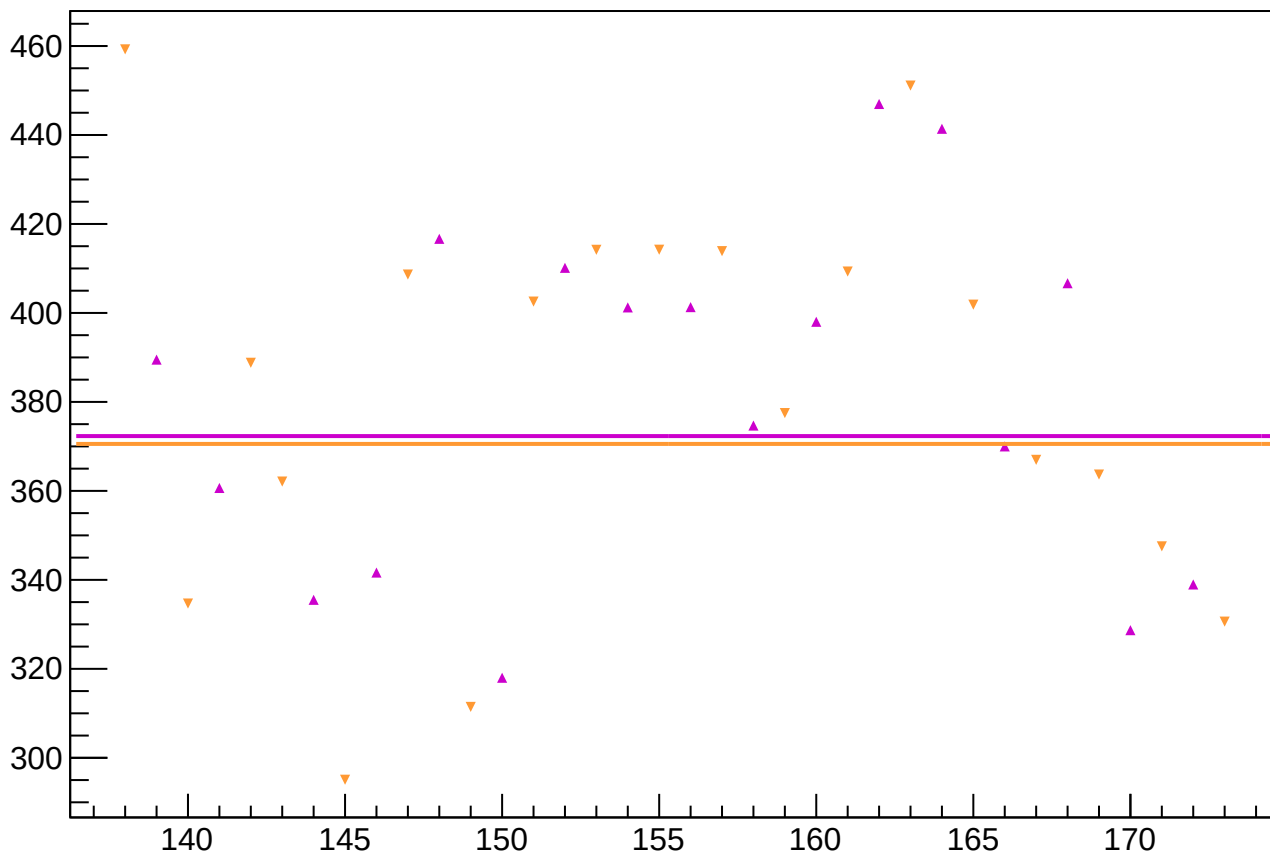
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -87.198+/-102.608 χ^2/NDF :25.5/16

Out: 376.462+/-99.310 χ^2/NDF :23.8/18

All: 152.202+/-71.360 χ^2/NDF : 59.9/35

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: 370.557+/-0.070 χ^2/NDF :409984.4/18

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

Left In: 372.320+/-0.073 χ^2/NDF :270170.0/16

Left: 371.410+/-0.050 χ^2/NDF : 680459.2/35

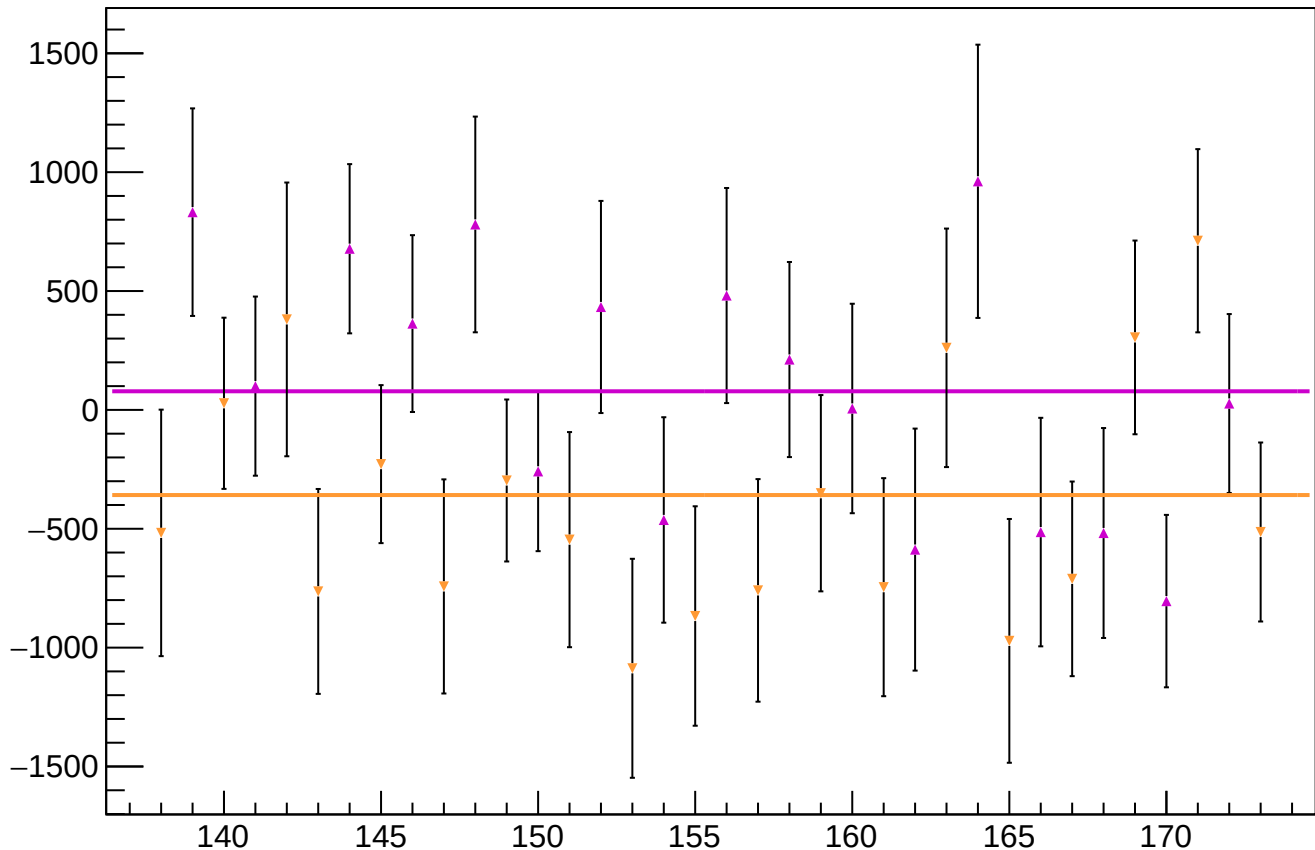
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 372.320+/-0.073 χ^2/NDF :270170.0/16

Out: 370.557+/-0.070 χ^2/NDF :409984.4/18

All: 371.410+/-0.050 χ^2/NDF : 680459.2/35

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -358.176+/-97.371 χ^2/NDF :24.3/18

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

Left In: 78.279+/-100.751 χ^2/NDF :26.3/16

Left: -147.394+/-70.016 χ^2/NDF : 60.2/35

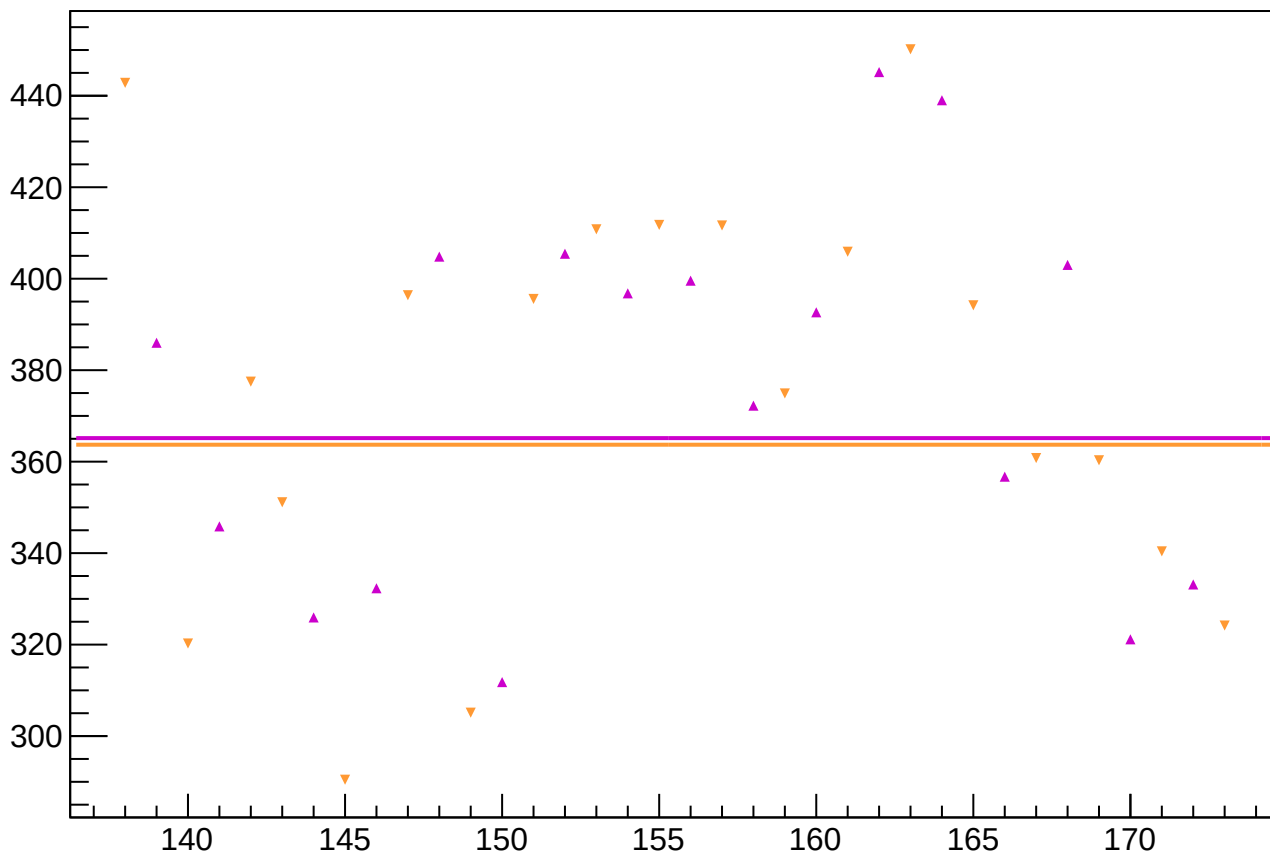
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 78.279+/-100.751 χ^2/NDF :26.3/16

Out: -358.176+/-97.371 χ^2/NDF :24.3/18

All: -147.394+/-70.016 χ^2/NDF : 60.2/35

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 363.705+/-0.069 χ^2/NDF :433379.6/18

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

Left In: 365.147+/-0.071 χ^2/NDF :304200.9/16

Left: 364.402+/-0.050 χ^2/NDF : 737792.3/35

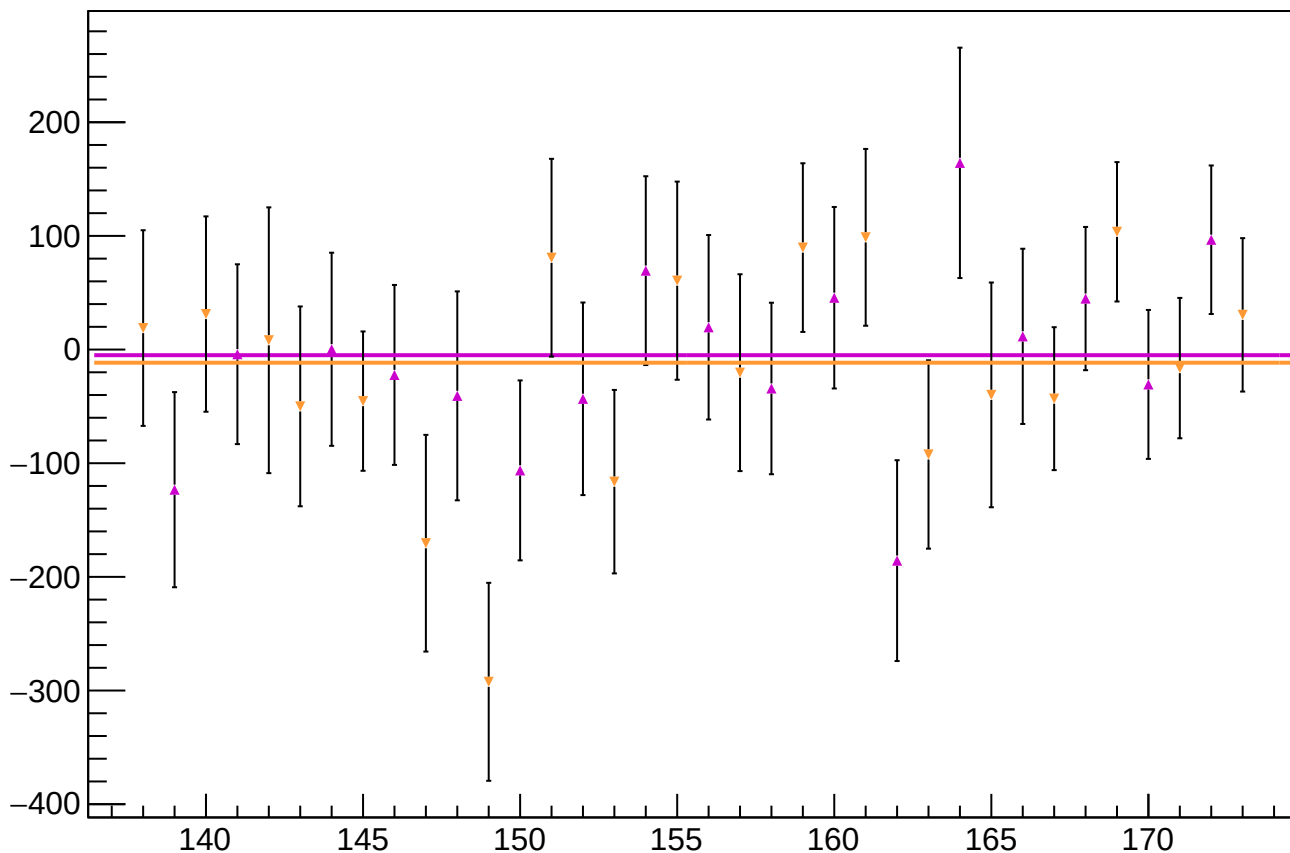
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 365.147+/-0.071 χ^2/NDF :304200.9/16

Out: 363.705+/-0.069 χ^2/NDF :433379.6/18

All: 364.402+/-0.050 χ^2/NDF : 737792.3/35

dit_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -11.581 $\pm$ 17.883 χ^2 /NDF:26.7/18

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

Left In: -4.951 $\pm$ 19.059 χ^2 /NDF:15.6/16

Left: -8.477 $\pm$ 13.041 χ^2 /NDF: 42.3/35

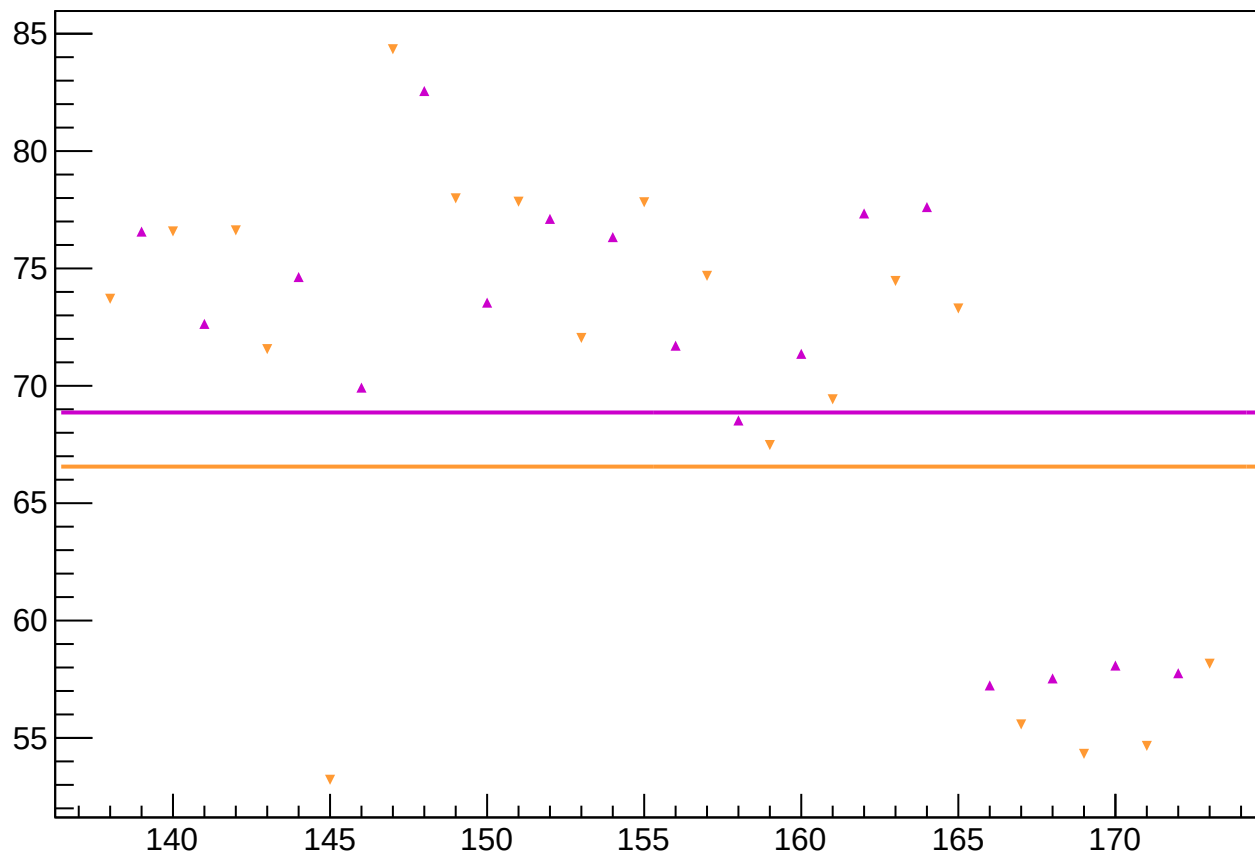
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -4.951 $\pm$ 19.059 χ^2 /NDF:15.6/16

Out: -11.581 $\pm$ 17.883 χ^2 /NDF:26.7/18

All: -8.477 $\pm$ 13.041 χ^2 /NDF: 42.3/35

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: 66.559+/-0.013 χ^2/NDF :631299.1/18

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

Left In: 68.864+/-0.013 χ^2/NDF :376648.1/16

Left: 67.638+/-0.009 χ^2/NDF : 1023507.2/35

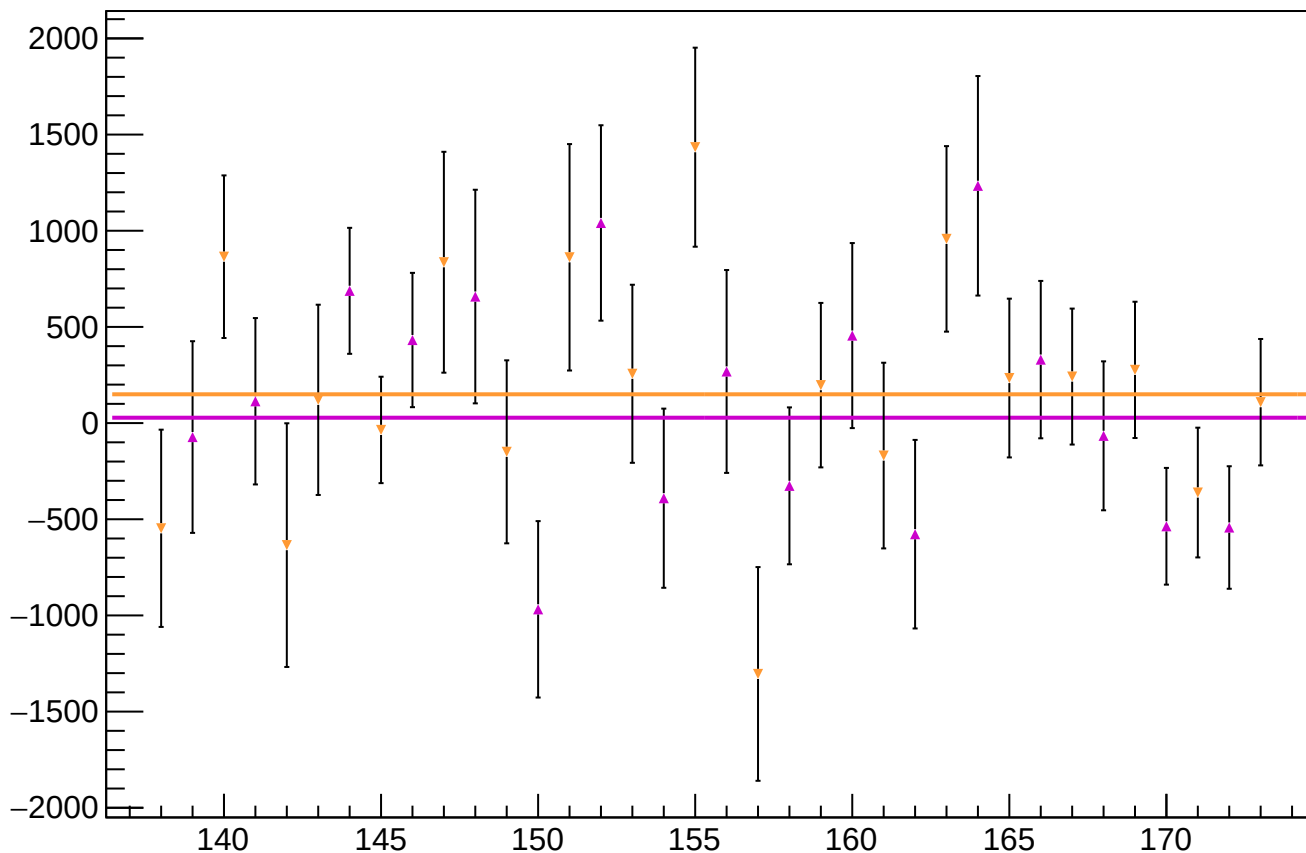
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 68.864+/-0.013 χ^2/NDF :376648.1/16

Out: 66.559+/-0.013 χ^2/NDF :631299.1/18

All: 67.638+/-0.009 χ^2/NDF : 1023507.2/35

asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 149.730 $\pm$ 97.596 χ^2 /NDF:28.9/18

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

Left In: 27.934 $\pm$ 101.066 χ^2 /NDF:31.3/16

Left: 90.958 $\pm$ 70.205 χ^2 /NDF: 60.9/35

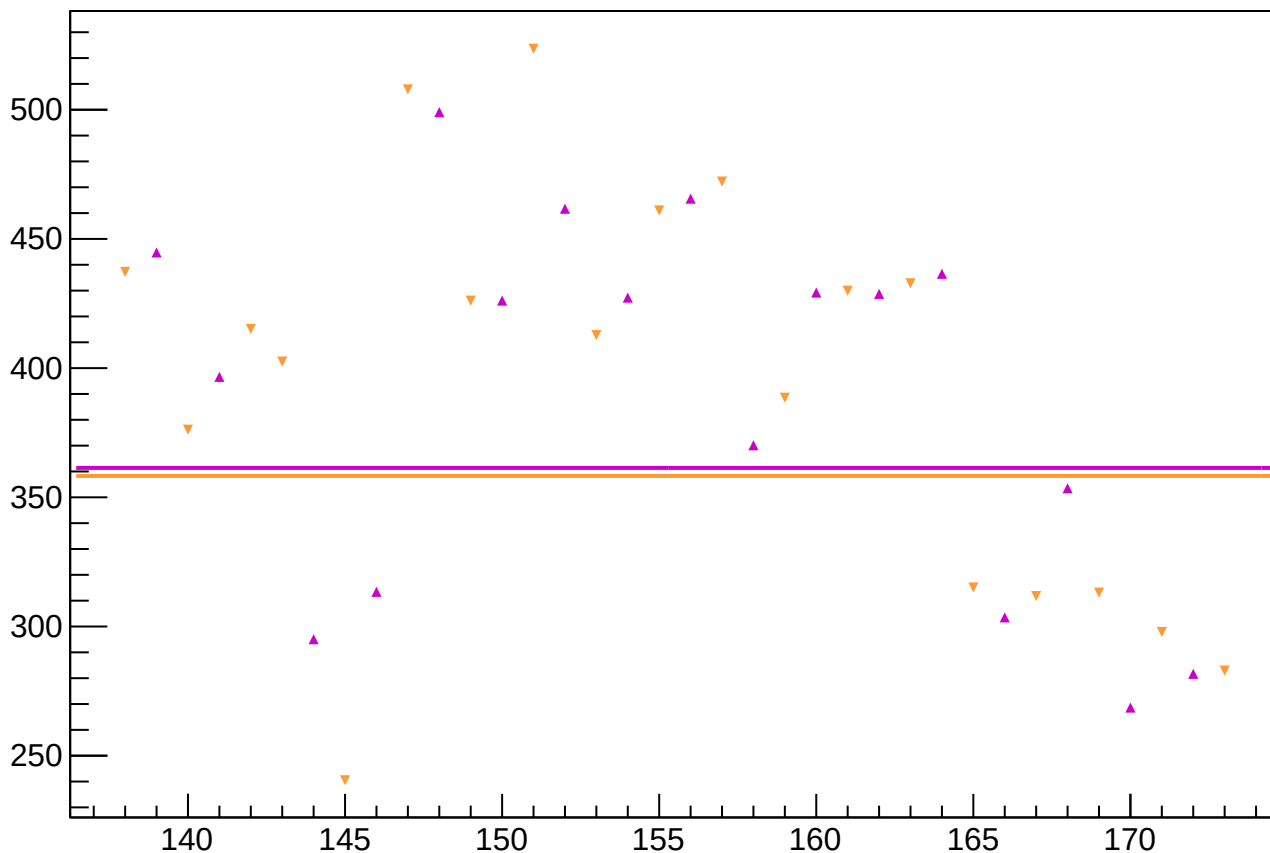
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 27.934 $\pm$ 101.066 χ^2 /NDF:31.3/16

Out: 149.730 $\pm$ 97.596 χ^2 /NDF:28.9/18

All: 90.958 $\pm$ 70.205 χ^2 /NDF: 60.9/35

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: 358.282+/-0.069 χ^2/NDF :1330961.0/18

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

Left In: 361.388+/-0.071 χ^2/NDF :1013982.1/16

Left: 359.780+/-0.050 χ^2/NDF : 2345920.4/35

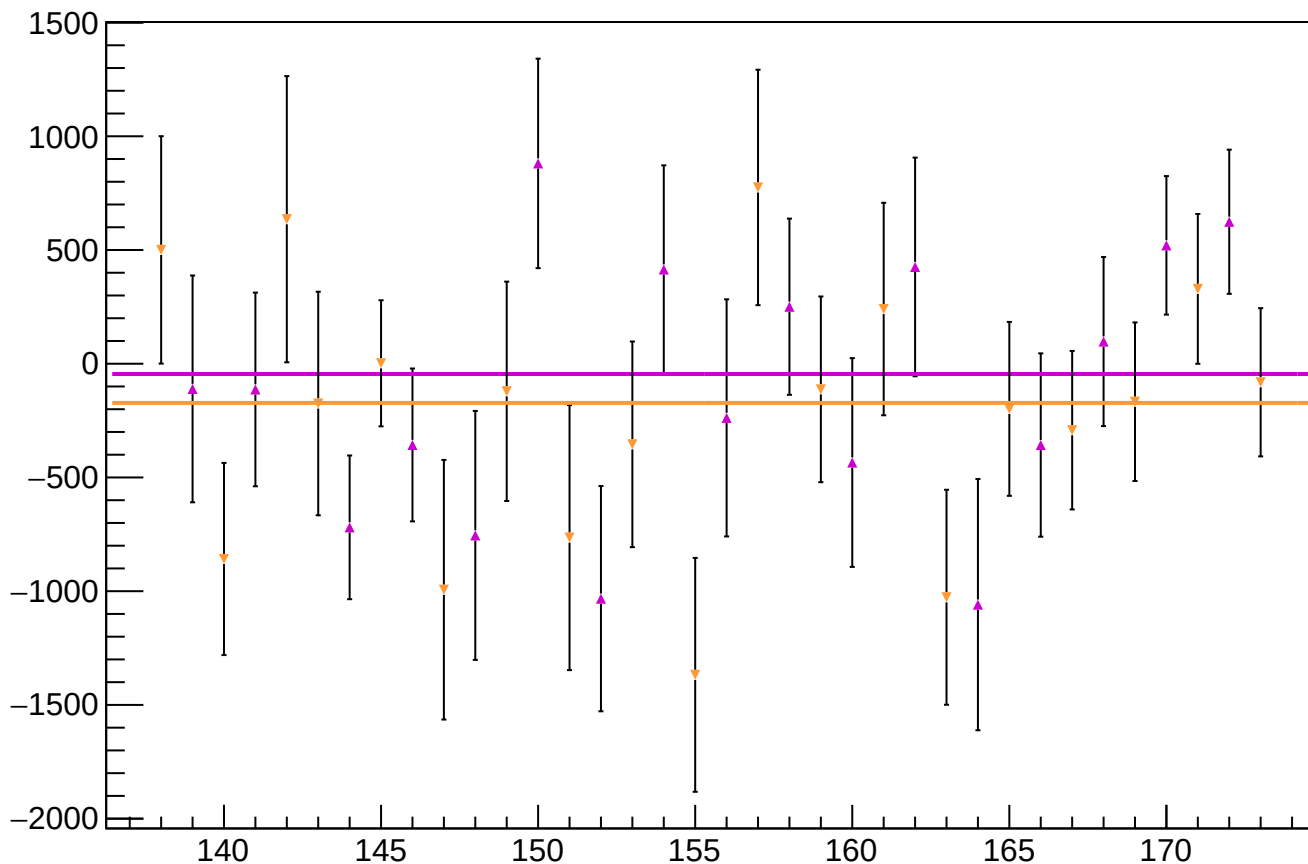
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 361.388+/-0.071 χ^2/NDF :1013982.1/16

Out: 358.282+/-0.069 χ^2/NDF :1330961.0/18

All: 359.780+/-0.050 χ^2/NDF : 2345920.4/35

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -172.255 $\pm$ 95.768 χ^2 /NDF:25.1/18

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

Left In: -45.127 $\pm$ 98.939 χ^2 /NDF:30.6/16

Left: -110.760 $\pm$ 68.812 χ^2 /NDF: 56.6/35

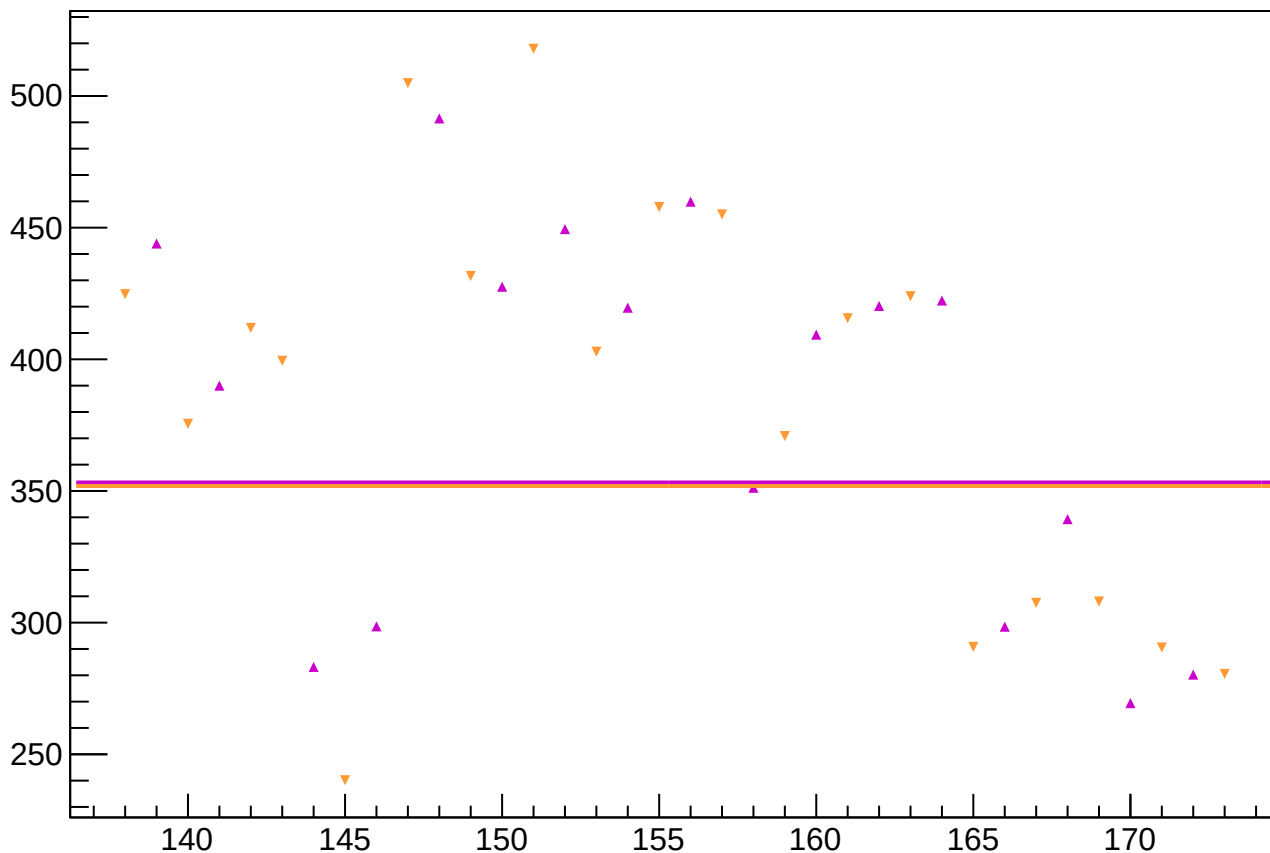
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -45.127 $\pm$ 98.939 χ^2 /NDF:30.6/16

Out: -172.255 $\pm$ 95.768 χ^2 /NDF:25.1/18

All: -110.760 $\pm$ 68.812 χ^2 /NDF: 56.6/35

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 351.899+/-0.068 χ^2/NDF :1330236.2/18

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

Left In: 353.214+/-0.070 χ^2/NDF :1010933.9/16

Left: 352.535+/-0.049 χ^2/NDF : 2341352.8/35

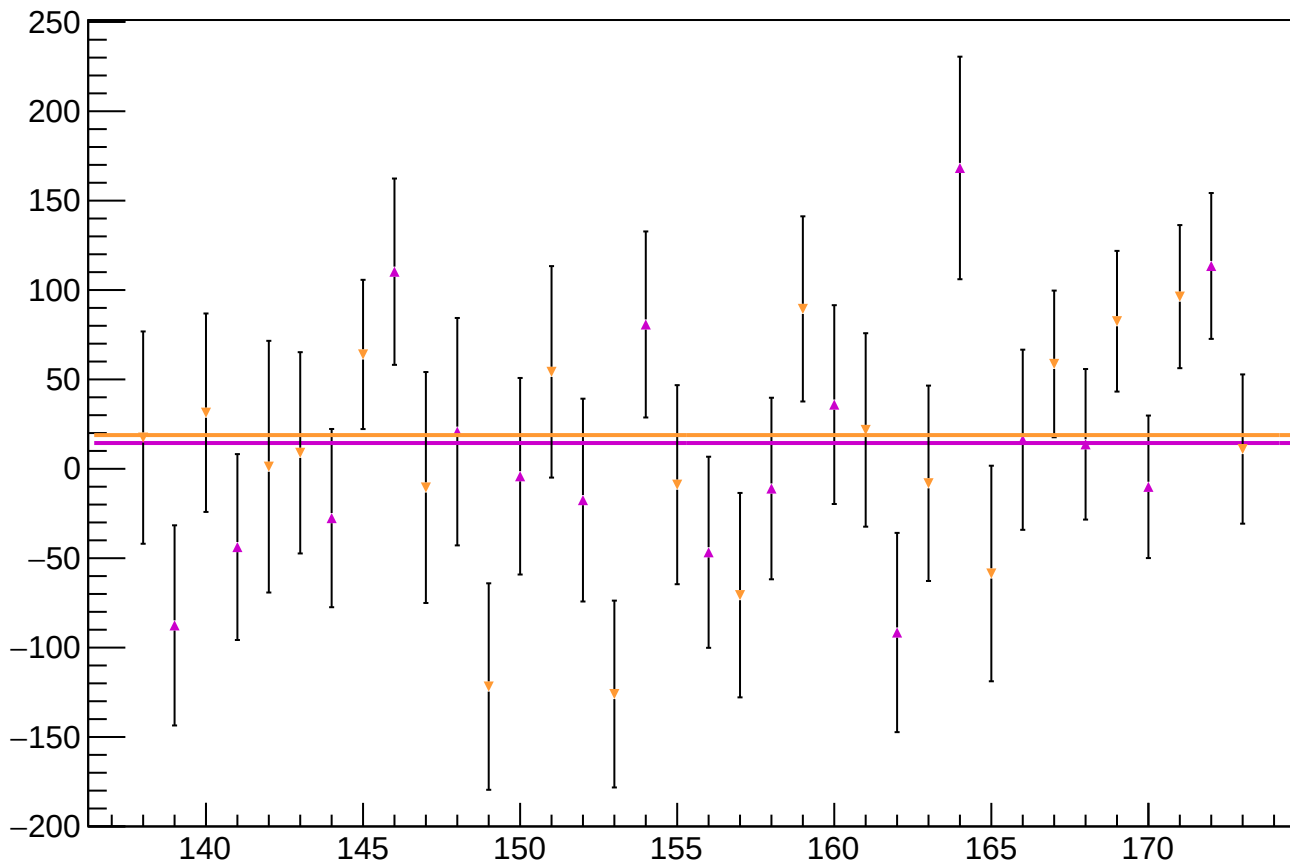
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 353.214+/-0.070 χ^2/NDF :1010933.9/16

Out: 351.899+/-0.068 χ^2/NDF :1330236.2/18

All: 352.535+/-0.049 χ^2/NDF : 2341352.8/35

dit_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 18.869 $\pm$ 11.718 χ^2 /NDF:29.3/18

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

Left In: 14.423 $\pm$ 12.358 χ^2 /NDF:28.4/16

Left: 16.764 $\pm$ 8.503 χ^2 /NDF: 57.8/35

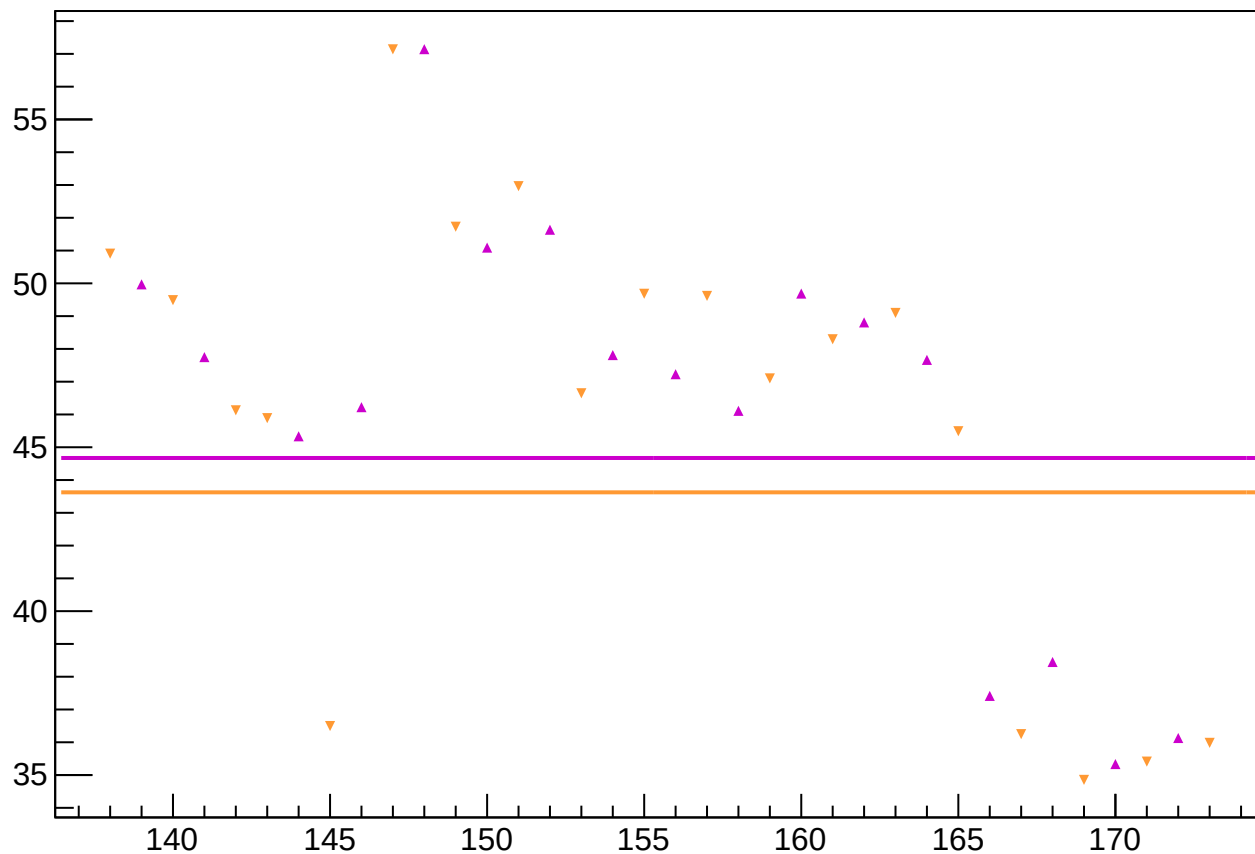
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 14.423 $\pm$ 12.358 χ^2 /NDF:28.4/16

Out: 18.869 $\pm$ 11.718 χ^2 /NDF:29.3/18

All: 16.764 $\pm$ 8.503 χ^2 /NDF: 57.8/35

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: 43.625+/-0.008 χ^2/NDF : 706901.7/18

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

Left In: 44.673+/-0.009 χ^2/NDF : 489334.2/16

Left: 44.121+/-0.006 χ^2/NDF : 1203808.4/35

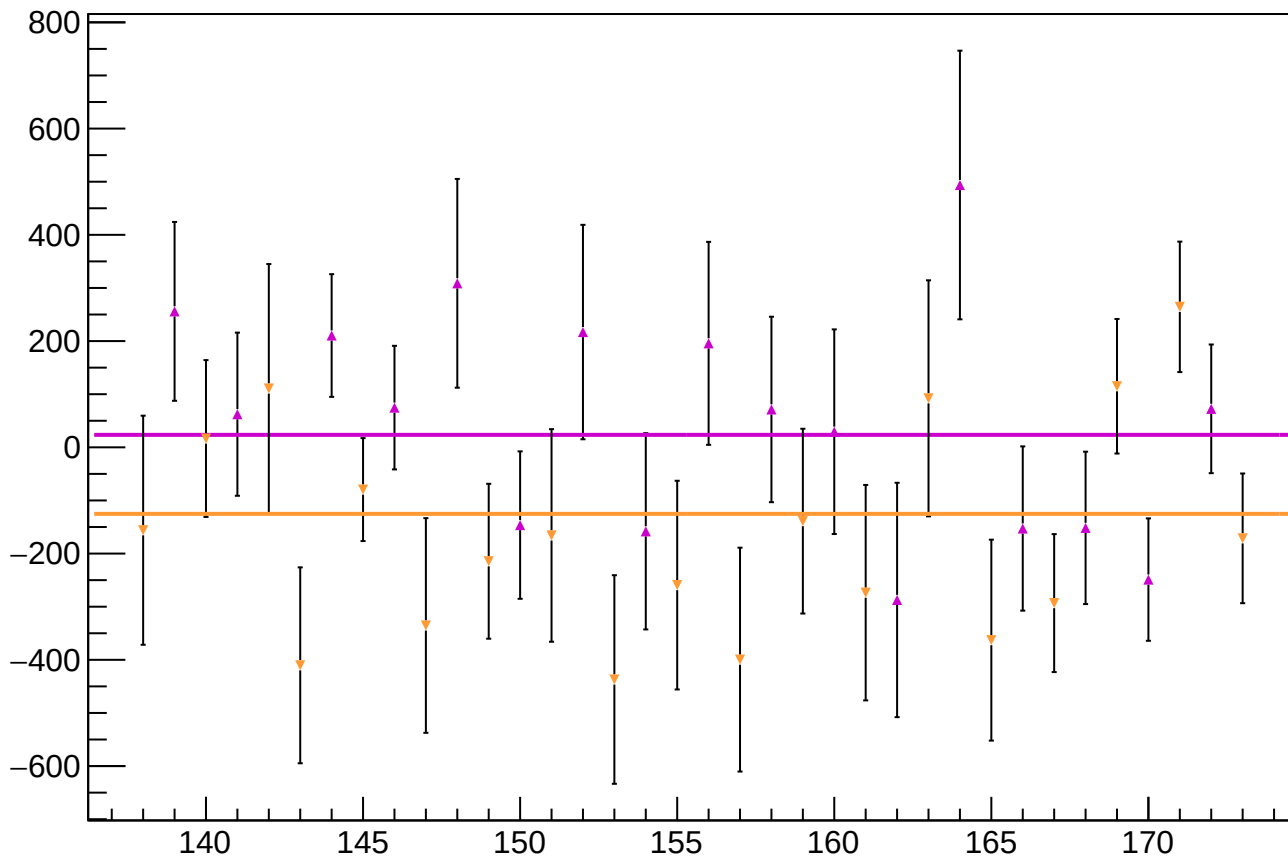
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 44.673+/-0.009 χ^2/NDF : 489334.2/16

Out: 43.625+/-0.008 χ^2/NDF : 706901.7/18

All: 44.121+/-0.006 χ^2/NDF : 1203808.4/35

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: -125.260+/-36.438 χ^2/NDF :29.3/18

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

Left In: 23.473+/-37.382 χ^2/NDF :25.2/16

Left: -52.794+/-26.093 χ^2/NDF : 62.6/35

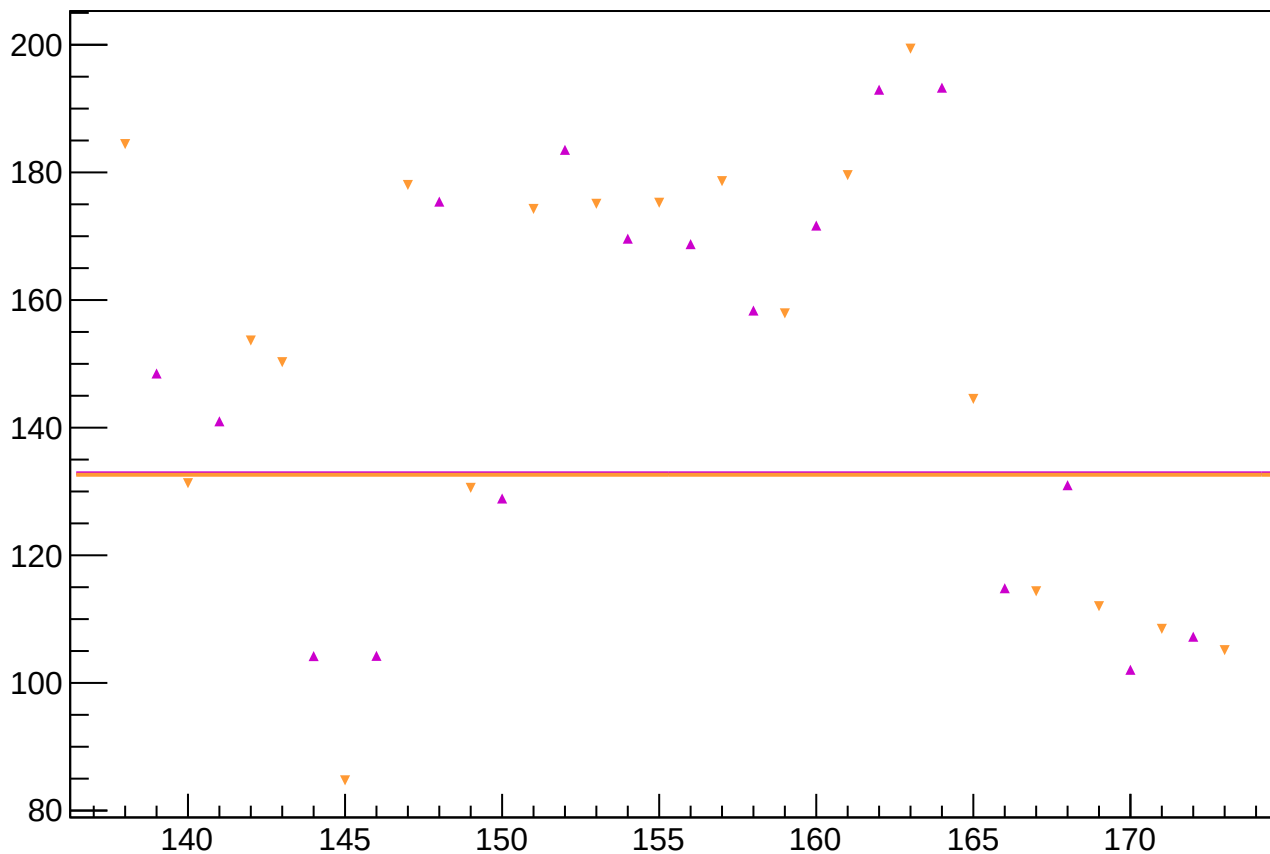
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 23.473+/-37.382 χ^2/NDF :25.2/16

Out: -125.260+/-36.438 χ^2/NDF :29.3/18

All: -52.794+/-26.093 χ^2/NDF : 62.6/35

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: 132.624+/-0.026 χ^2/NDF :1719130.3/18

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

Left In: 132.842+/-0.026 χ^2/NDF :1284897.1/16

Left: 132.730+/-0.018 χ^2/NDF : 3004062.2/35

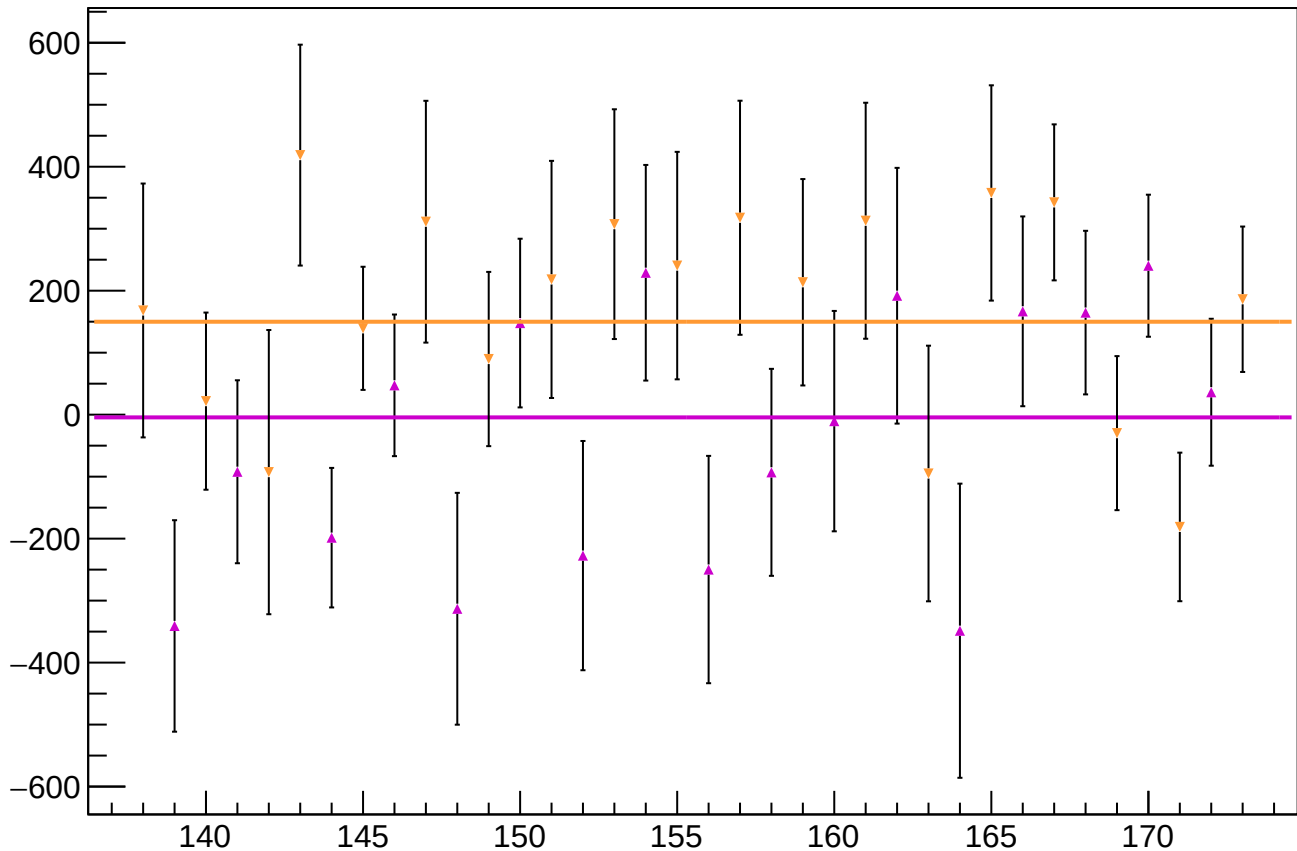
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 132.842+/-0.026 χ^2/NDF :1284897.1/16

Out: 132.624+/-0.026 χ^2/NDF :1719130.3/18

All: 132.730+/-0.018 χ^2/NDF : 3004062.2/35

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 149.922+/-35.216 χ^2/NDF :22.8/18

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

Left In: -4.396+/-36.115 χ^2/NDF :27.3/16

Left: 74.709+/-25.213 χ^2/NDF : 59.5/35

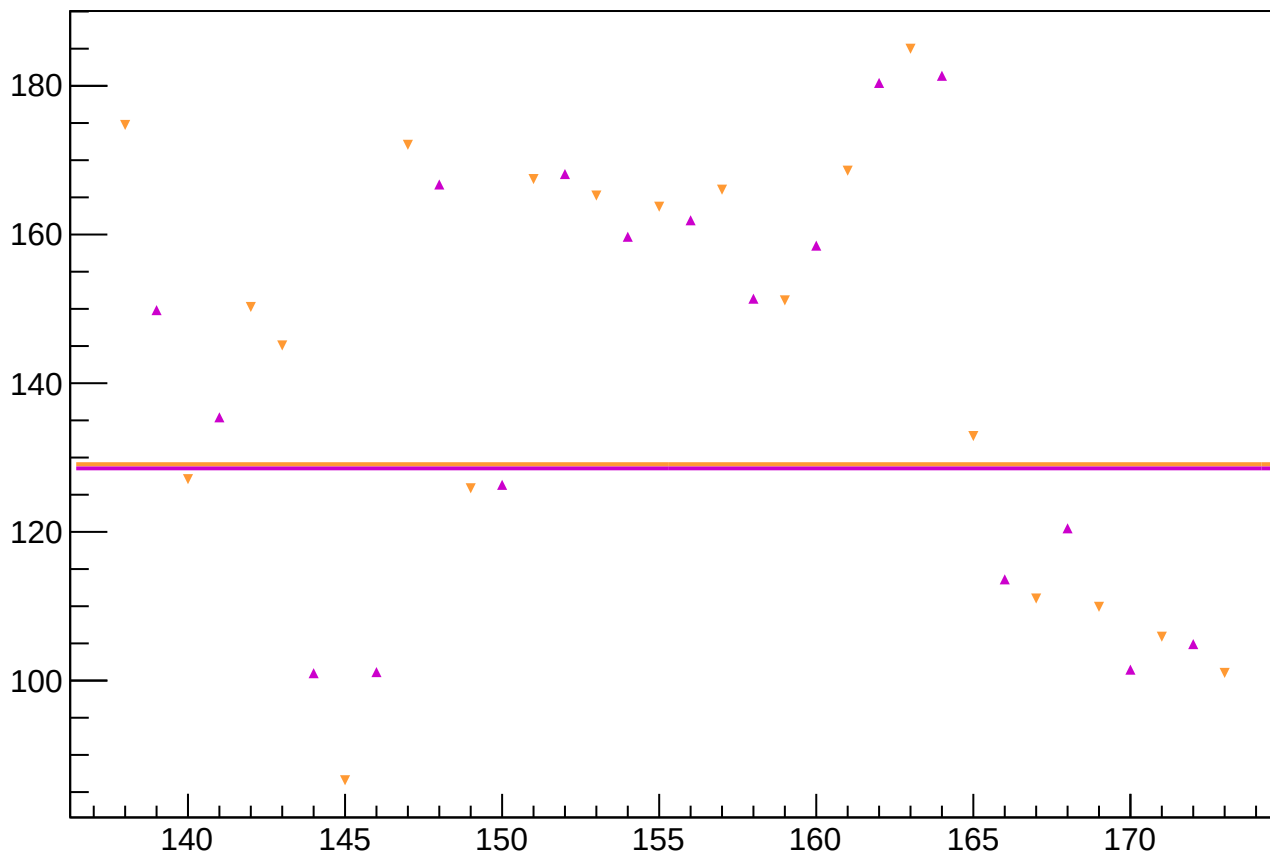
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -4.396+/-36.115 χ^2/NDF :27.3/16

Out: 149.922+/-35.216 χ^2/NDF :22.8/18

All: 74.709+/-25.213 χ^2/NDF : 59.5/35

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 129.105+/-0.025 χ^2/NDF :1448979.2/18

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

Left In: 128.550+/-0.026 χ^2/NDF :1113745.1/16

Left: 128.834+/-0.018 χ^2/NDF : 2562966.3/35

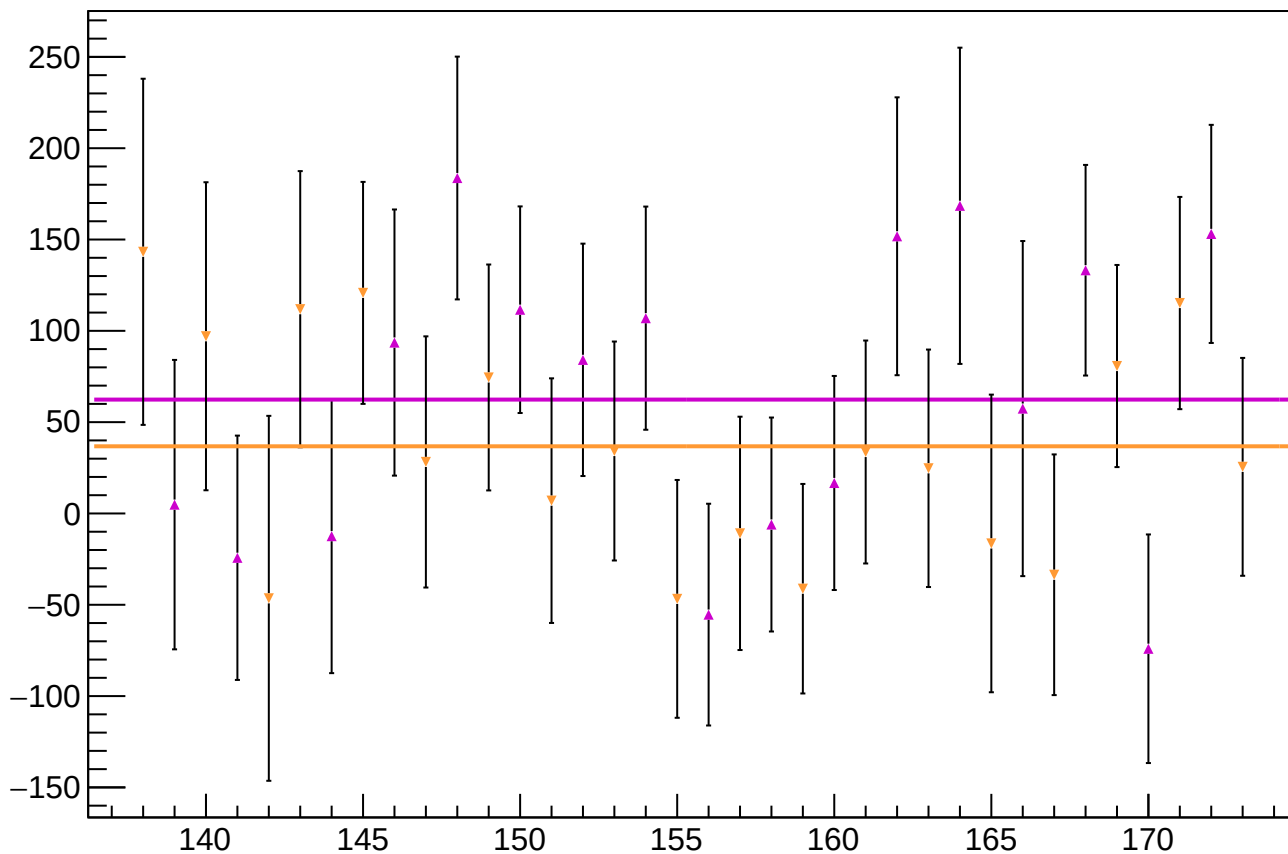
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 128.550+/-0.026 χ^2/NDF :1113745.1/16

Out: 129.105+/-0.025 χ^2/NDF :1448979.2/18

All: 128.834+/-0.018 χ^2/NDF : 2562966.3/35

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: 36.778 $\pm$ 15.169 χ^2 /NDF:14.1/18

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

Left In: 62.356 $\pm$ 15.977 χ^2 /NDF:25.3/16

Left: 48.904 $\pm$ 11.000 χ^2 /NDF: 40.7/35

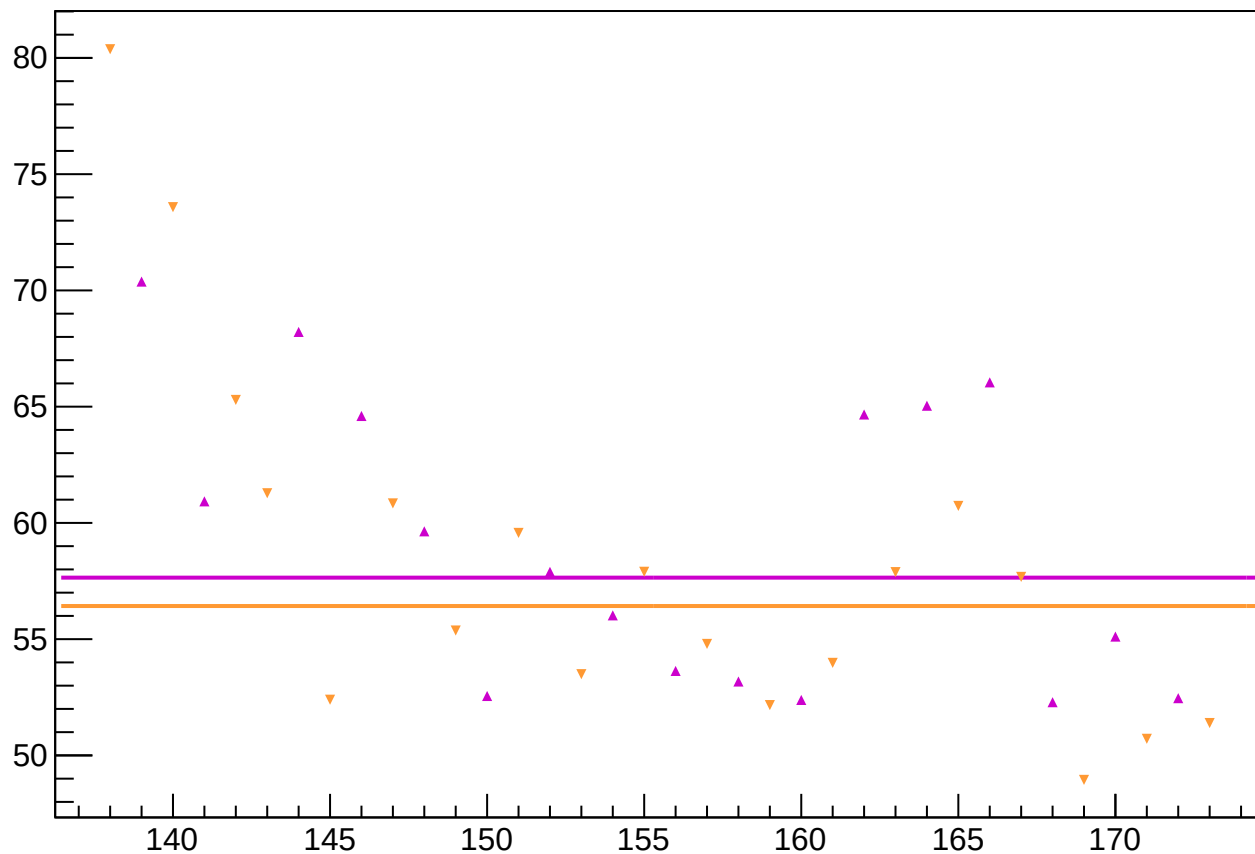
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 62.356 $\pm$ 15.977 χ^2 /NDF:25.3/16

Out: 36.778 $\pm$ 15.169 χ^2 /NDF:14.1/18

All: 48.904 $\pm$ 11.000 χ^2 /NDF: 40.7/35

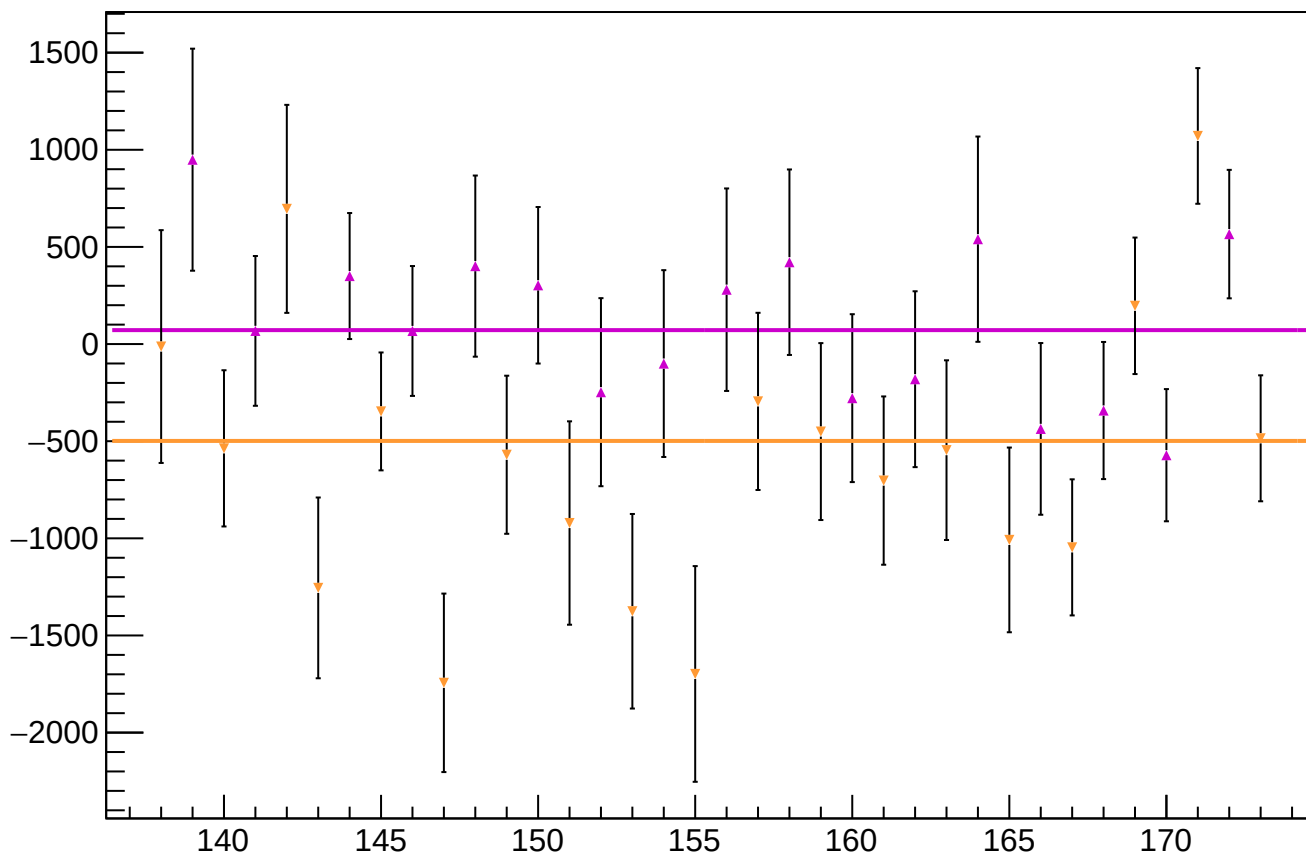
dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 56.425+/-0.011 χ^2/NDF :355233.5/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 57.646+/-0.011 χ^2/NDF :254273.4/16

Left: 57.004+/-0.008 χ^2/NDF : 615650.4/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 57.646+/-0.011 χ^2/NDF :254273.4/16
 Out: 56.425+/-0.011 χ^2/NDF :355233.5/18
 All: 57.004+/-0.008 χ^2/NDF : 615650.4/35

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -498.652 $\pm$ 96.389 χ^2 /NDF:52.5/18

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

Left In: 71.724 $\pm$ 99.787 χ^2 /NDF:15.4/16

Left: -223.340 $\pm$ 69.328 χ^2 /NDF: 84.8/35

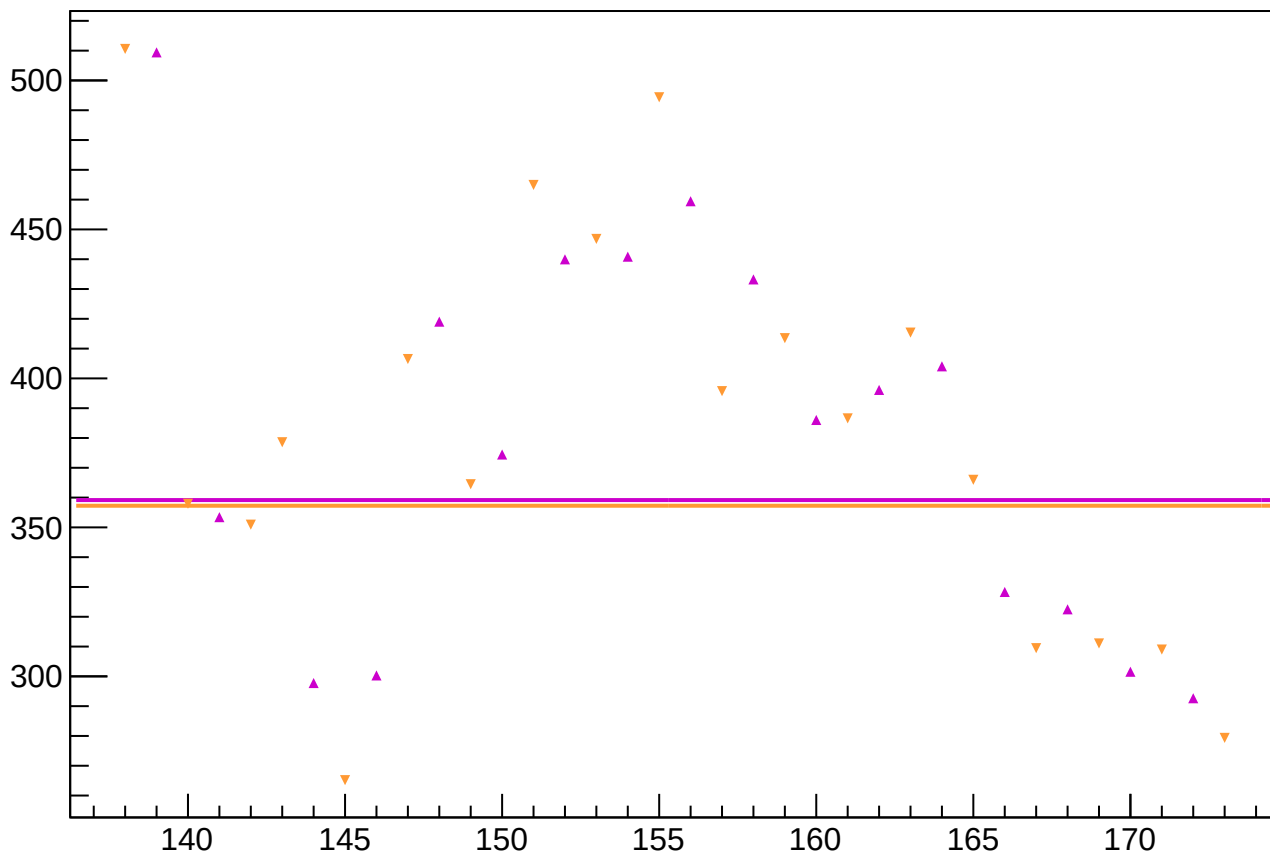
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 71.724 $\pm$ 99.787 χ^2 /NDF:15.4/16

Out: -498.652 $\pm$ 96.389 χ^2 /NDF:52.5/18

All: -223.340 $\pm$ 69.328 χ^2 /NDF: 84.8/35

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 357.267+/-0.068 χ^2/NDF :925513.0/18

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

Left In: 359.166+/-0.071 χ^2/NDF :749047.5/16

Left: 358.183+/-0.049 χ^2/NDF : 1674935.5/35

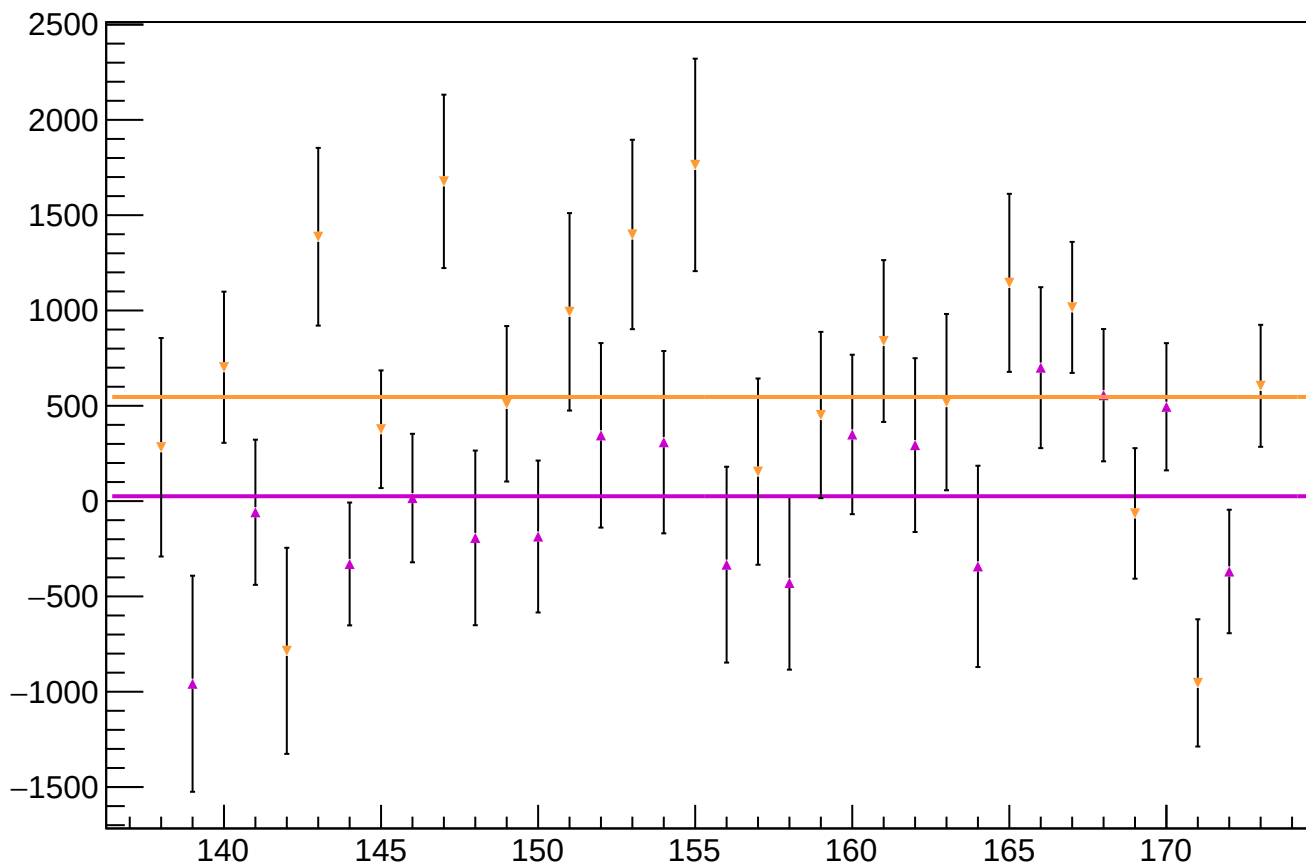
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 359.166+/-0.071 χ^2/NDF :749047.5/16

Out: 357.267+/-0.068 χ^2/NDF :925513.0/18

All: 358.183+/-0.049 χ^2/NDF : 1674935.5/35

asym_sam_1357_avg_mean vs Slug, Sign Corrected



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

Left Out: 546.289+/-95.447 χ^2/NDF : 52.7/18

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

Left In: 25.485+/-98.382 χ^2/NDF : 16.8/16

Left: 293.770+/-68.505 χ^2/NDF : 84.0/35

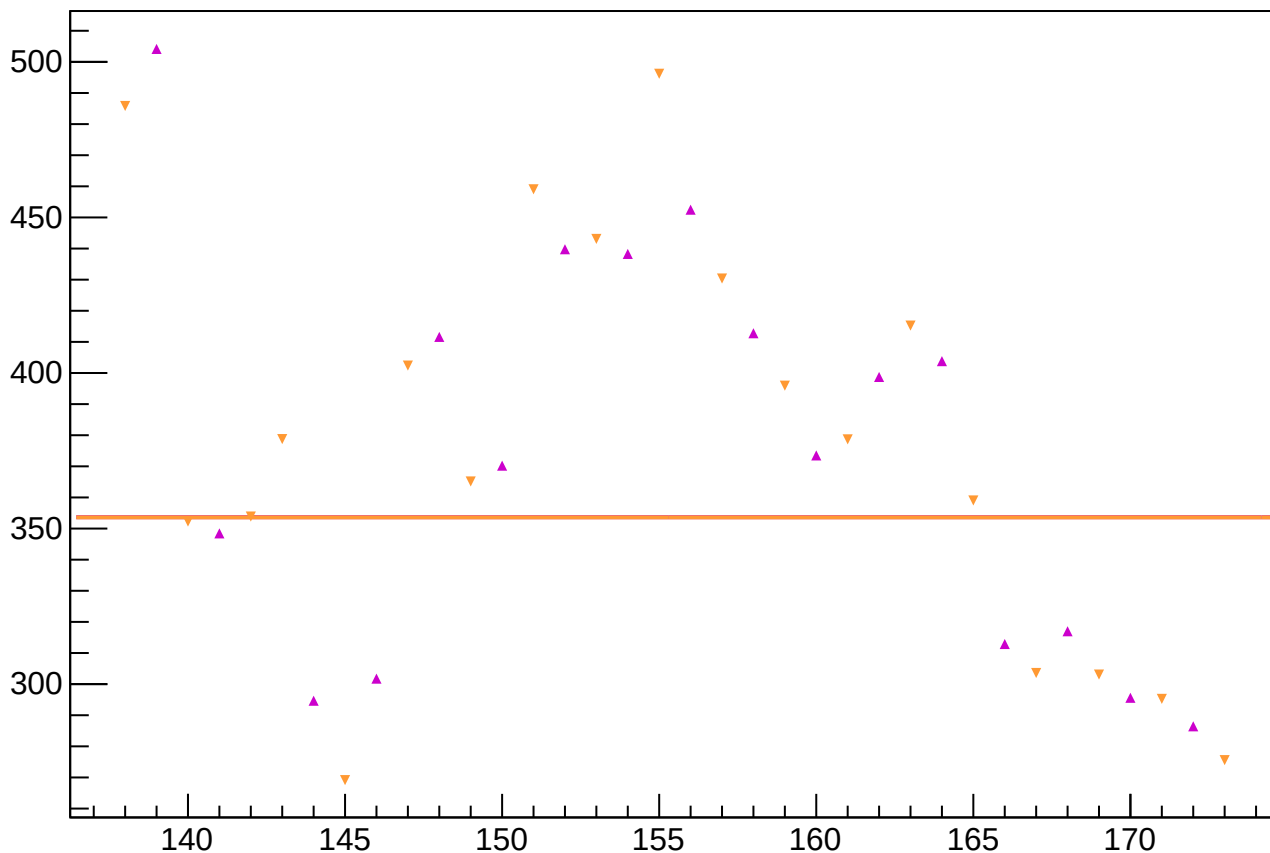
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 25.485+/-98.382 χ^2/NDF : 16.8/16

Out: 546.289+/-95.447 χ^2/NDF : 52.7/18

All: 293.770+/-68.505 χ^2/NDF : 84.0/35

asym_sam_1357_avg_rms vs Slug, Sign Corrected



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

Left Out: 353.599+/-0.067 χ^2/NDF :942418.9/18

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

Left In: 353.663+/-0.070 χ^2/NDF :754814.6/16

Left: 353.630+/-0.048 χ^2/NDF : 1697233.9/35

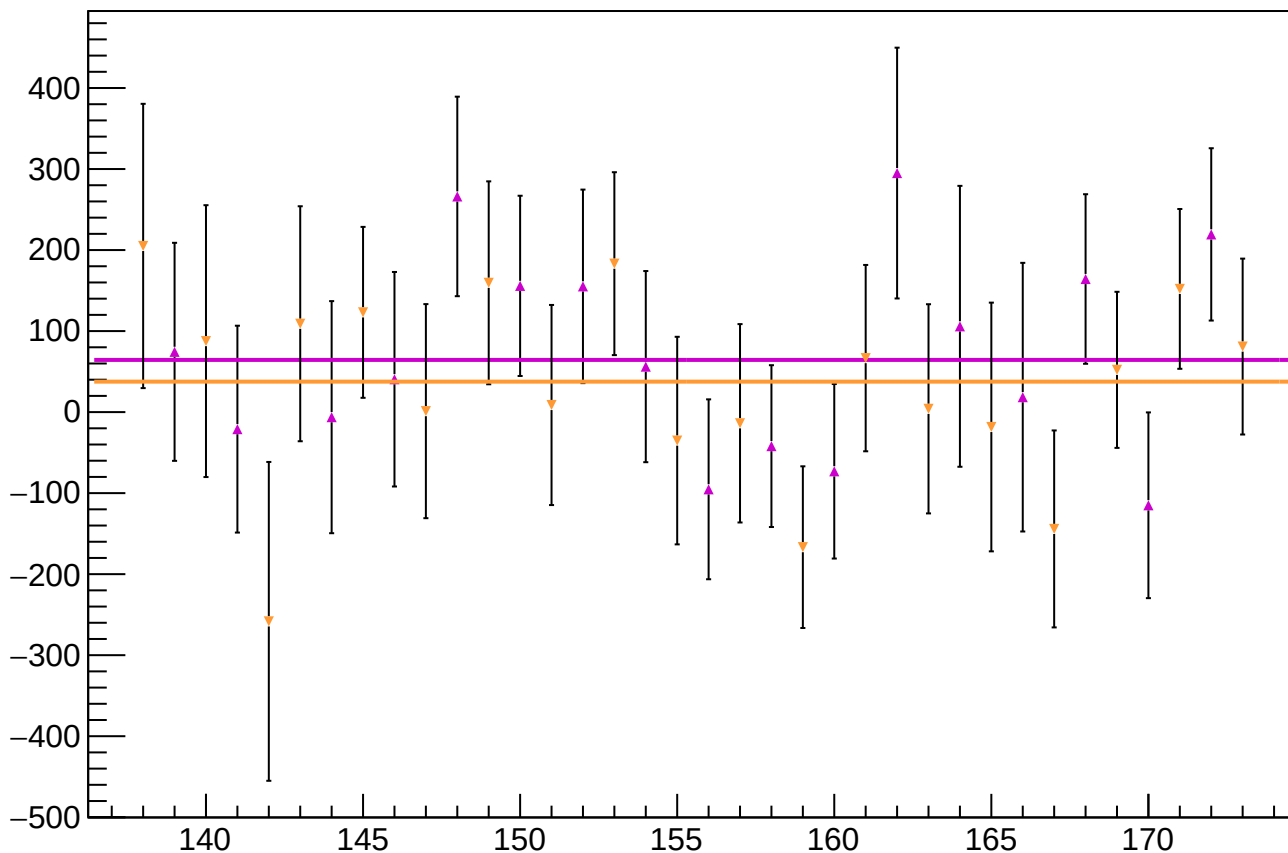
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 353.663+/-0.070 χ^2/NDF :754814.6/16

Out: 353.599+/-0.067 χ^2/NDF :942418.9/18

All: 353.630+/-0.048 χ^2/NDF : 1697233.9/35

dit_asym_sam_2468_avg_mean vs Slug, Sign Corrected



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

Left Out: 37.612 $\pm$ 28.107 χ^2 /NDF:15.6/18

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

Left In: 64.405 $\pm$ 29.538 χ^2 /NDF:17.3/16

Left: 50.344 $\pm$ 20.362 χ^2 /NDF: 33.4/35

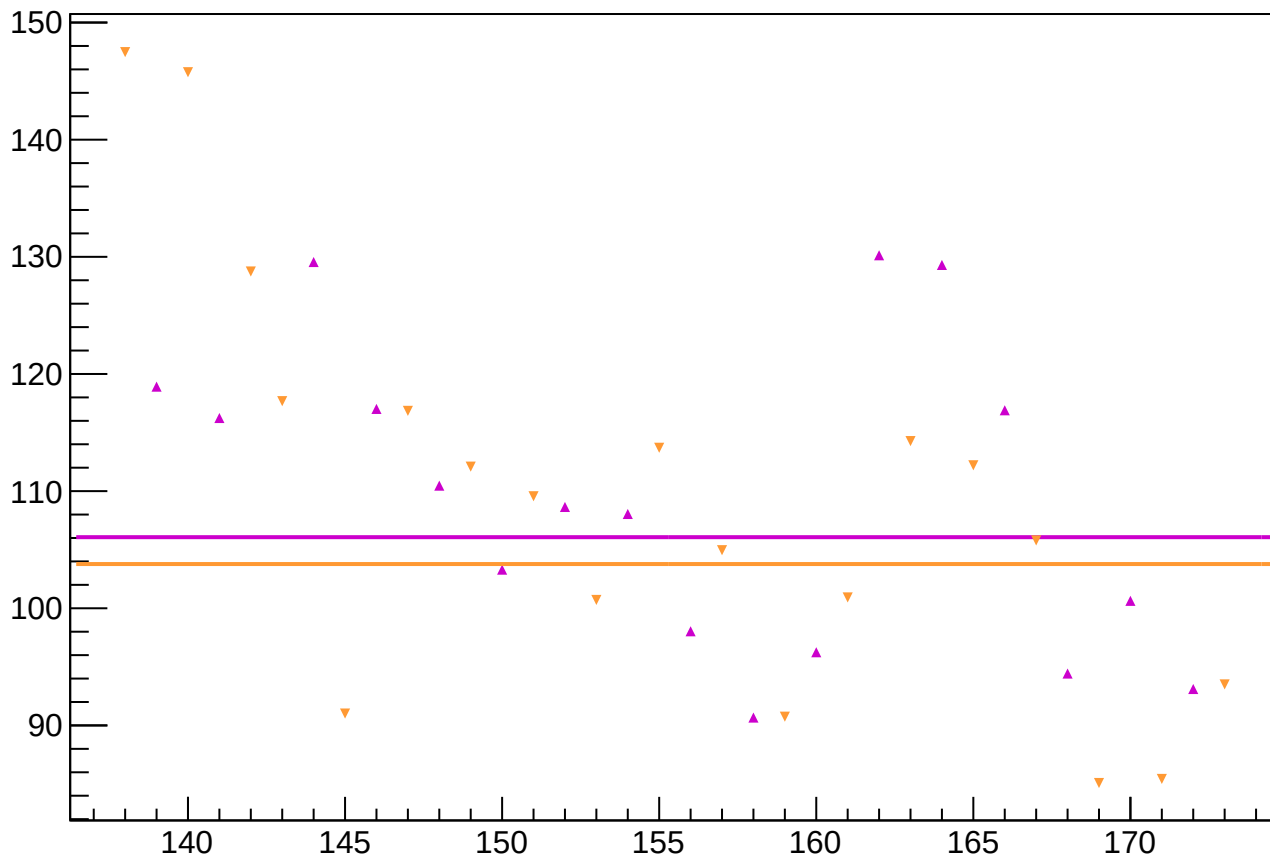
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 64.405 $\pm$ 29.538 χ^2 /NDF:17.3/16

Out: 37.612 $\pm$ 28.107 χ^2 /NDF:15.6/18

All: 50.344 $\pm$ 20.362 χ^2 /NDF: 33.4/35

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



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

Left Out: 103.776+/-0.020 χ^2/NDF :593273.4/18

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

Left In: 106.069+/-0.021 χ^2/NDF :330168.5/16

Left: 104.866+/-0.014 χ^2/NDF : 929769.7/35

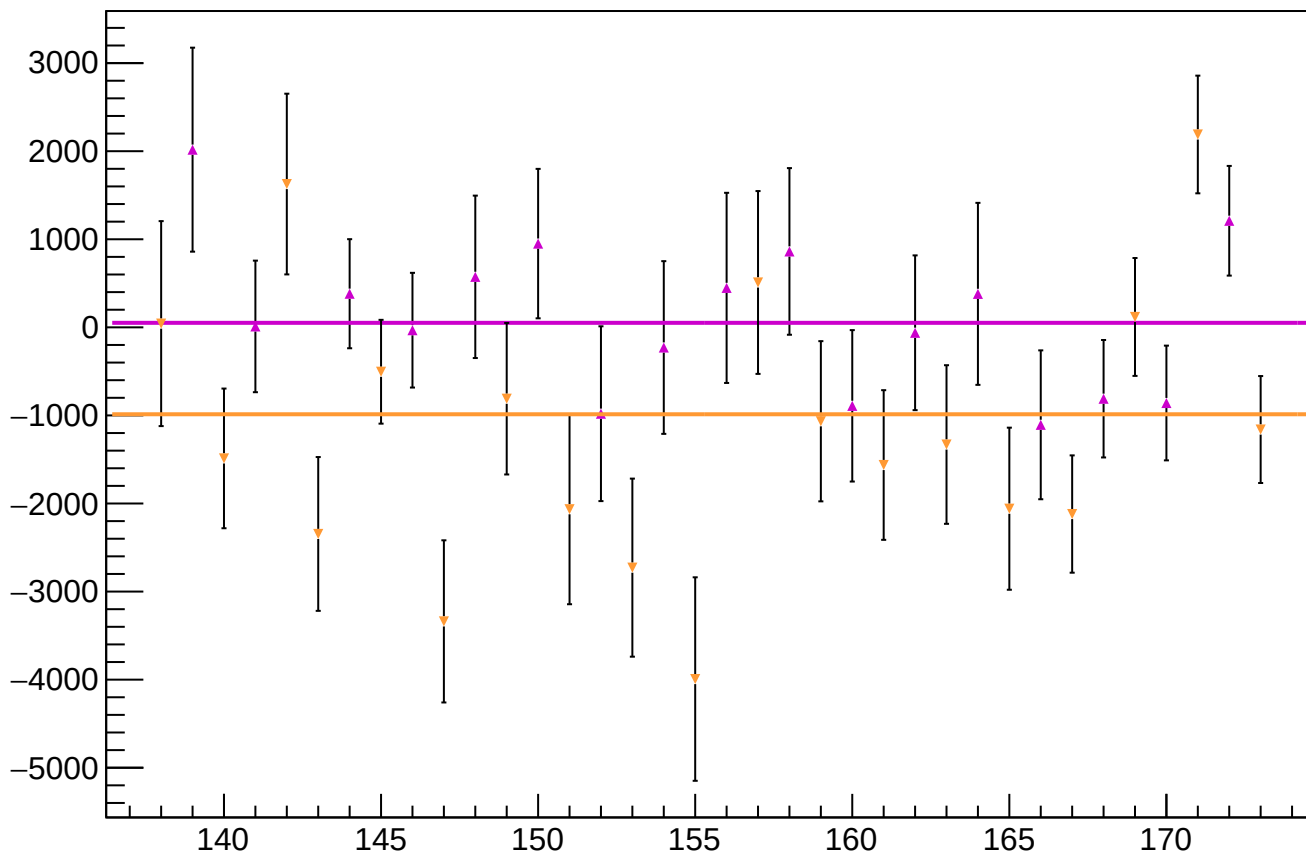
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 106.069+/-0.021 χ^2/NDF :330168.5/16

Out: 103.776+/-0.020 χ^2/NDF :593273.4/18

All: 104.866+/-0.014 χ^2/NDF : 929769.7/35

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -986.885+/-189.093 χ^2/NDF :60.4/18

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

Left In: 51.249+/-195.100 χ^2/NDF :16.9/16

Left: -484.046+/-135.783 χ^2/NDF : 92.0/35

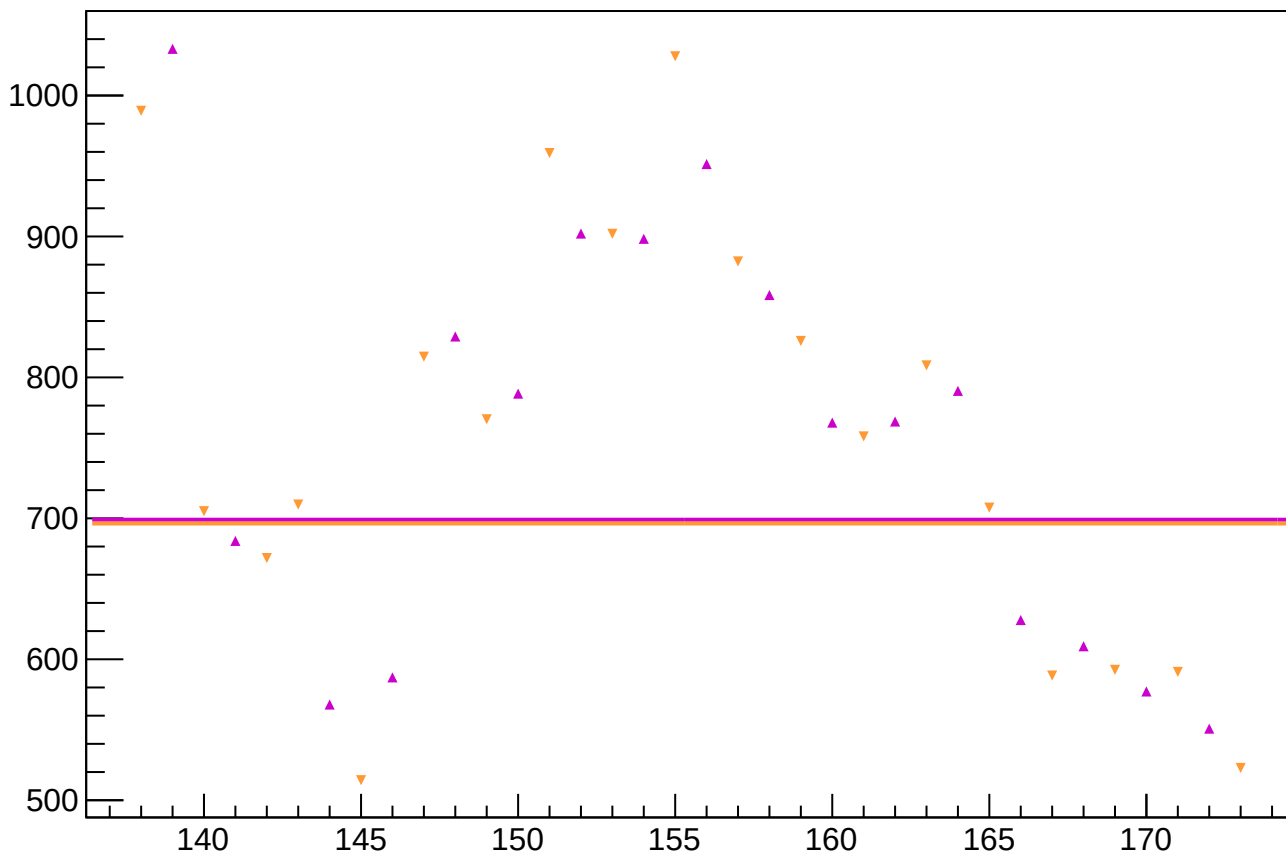
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 51.249+/-195.100 χ^2/NDF :16.9/16

Out: -986.885+/-189.093 χ^2/NDF :60.4/18

All: -484.046+/-135.783 χ^2/NDF : 92.0/35

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 696.346+/-0.134 χ^2/NDF :1193741.4/18

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

Left In: 699.031+/-0.138 χ^2/NDF :985339.9/16

Left: 697.646+/-0.096 χ^2/NDF : 2179276.6/35

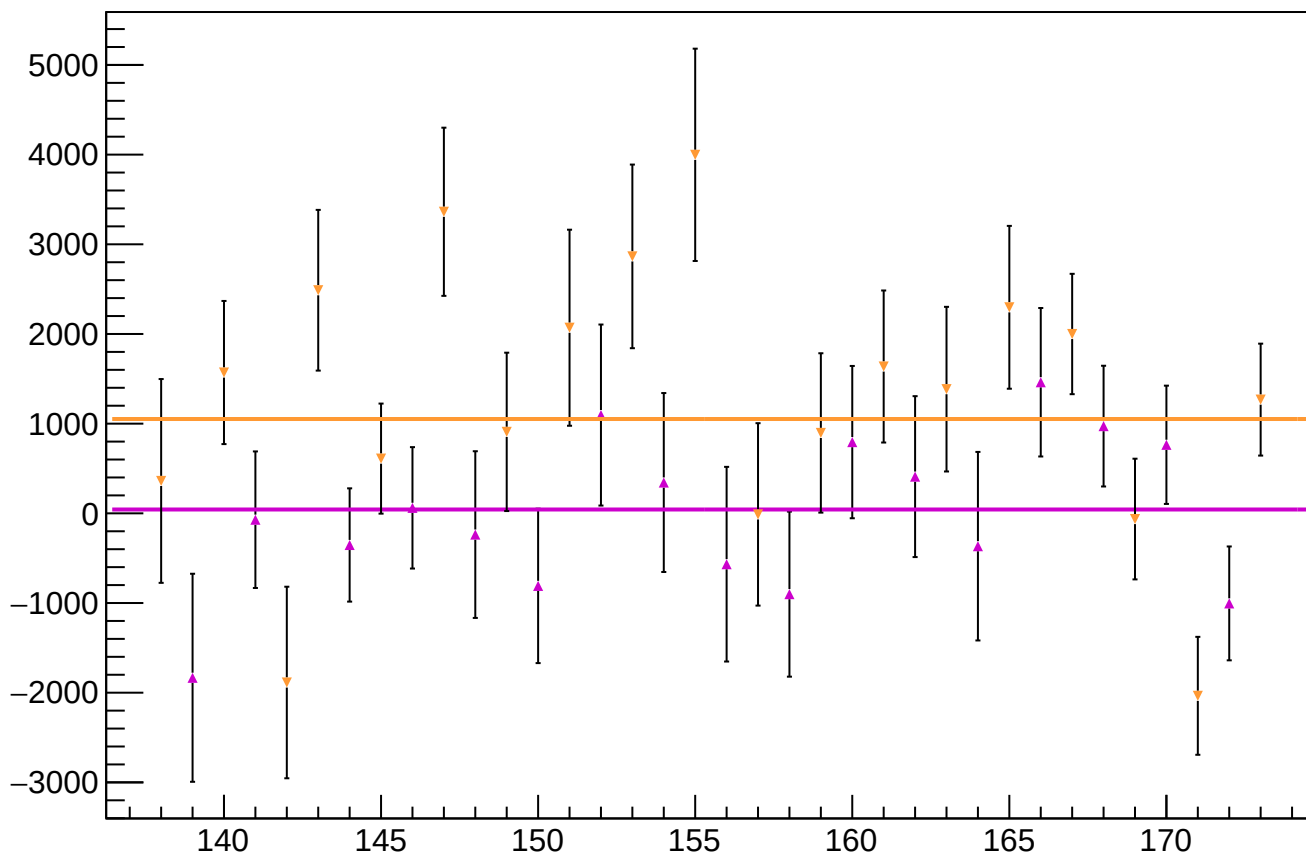
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 699.031+/-0.138 χ^2/NDF :985339.9/16

Out: 696.346+/-0.134 χ^2/NDF :1193741.4/18

All: 697.646+/-0.096 χ^2/NDF : 2179276.6/35

asym_sam_2468_avg_mean vs Slug, Sign Corrected



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

Left Out: 1051.834+/-191.100 χ^2/NDF :58.3/18

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

Left In: 42.802+/-197.410 χ^2/NDF :16.5/16

Left: 563.701+/-137.305 χ^2/NDF : 88.3/35

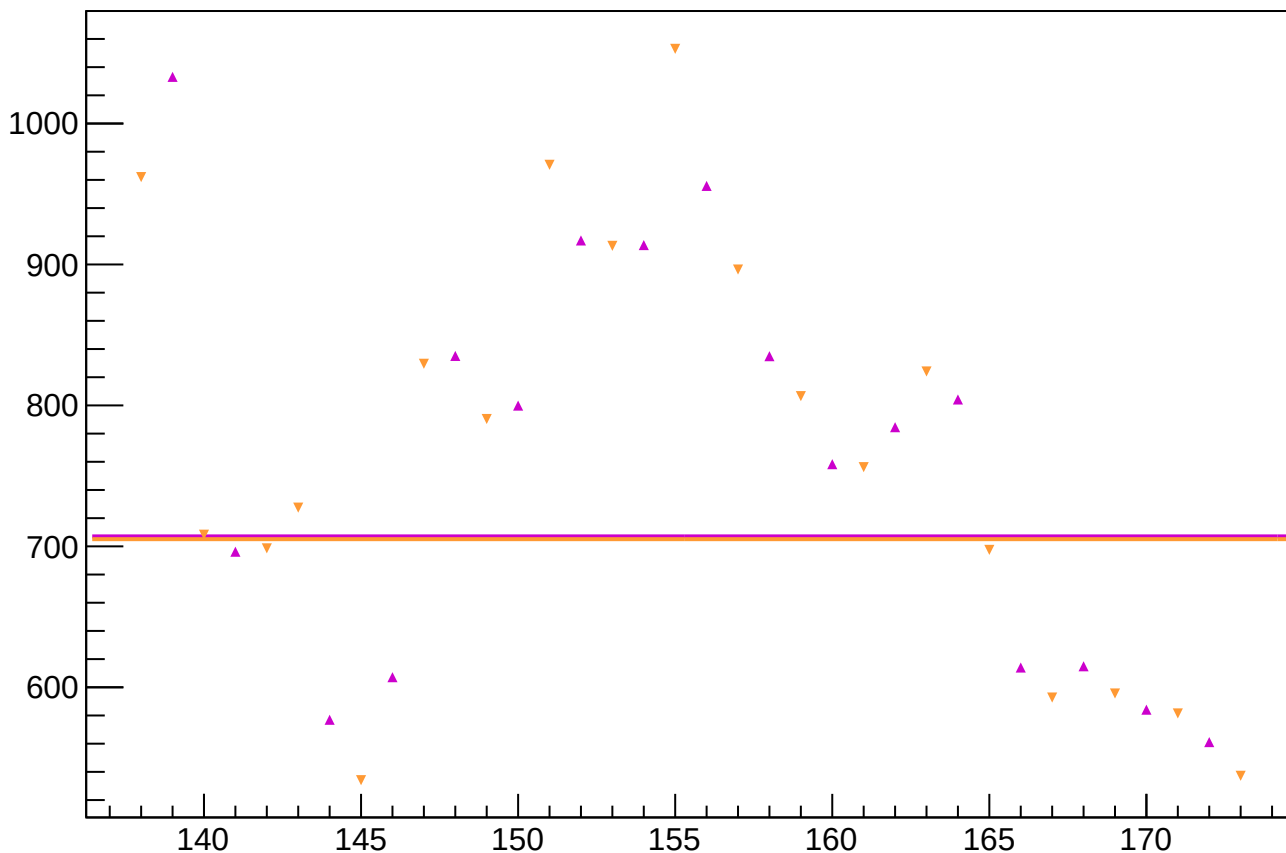
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 42.802+/-197.410 χ^2/NDF :16.5/16

Out: 1051.834+/-191.100 χ^2/NDF :58.3/18

All: 563.701+/-137.305 χ^2/NDF : 88.3/35

asym_sam_2468_avg_rms vs Slug, Sign Corrected



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

Left Out: 705.100+/-0.135 χ^2/NDF :1148604.6/18

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

Left In: 707.068+/-0.140 χ^2/NDF :941251.5/16

Left: 706.052+/-0.097 χ^2/NDF : 2089958.7/35

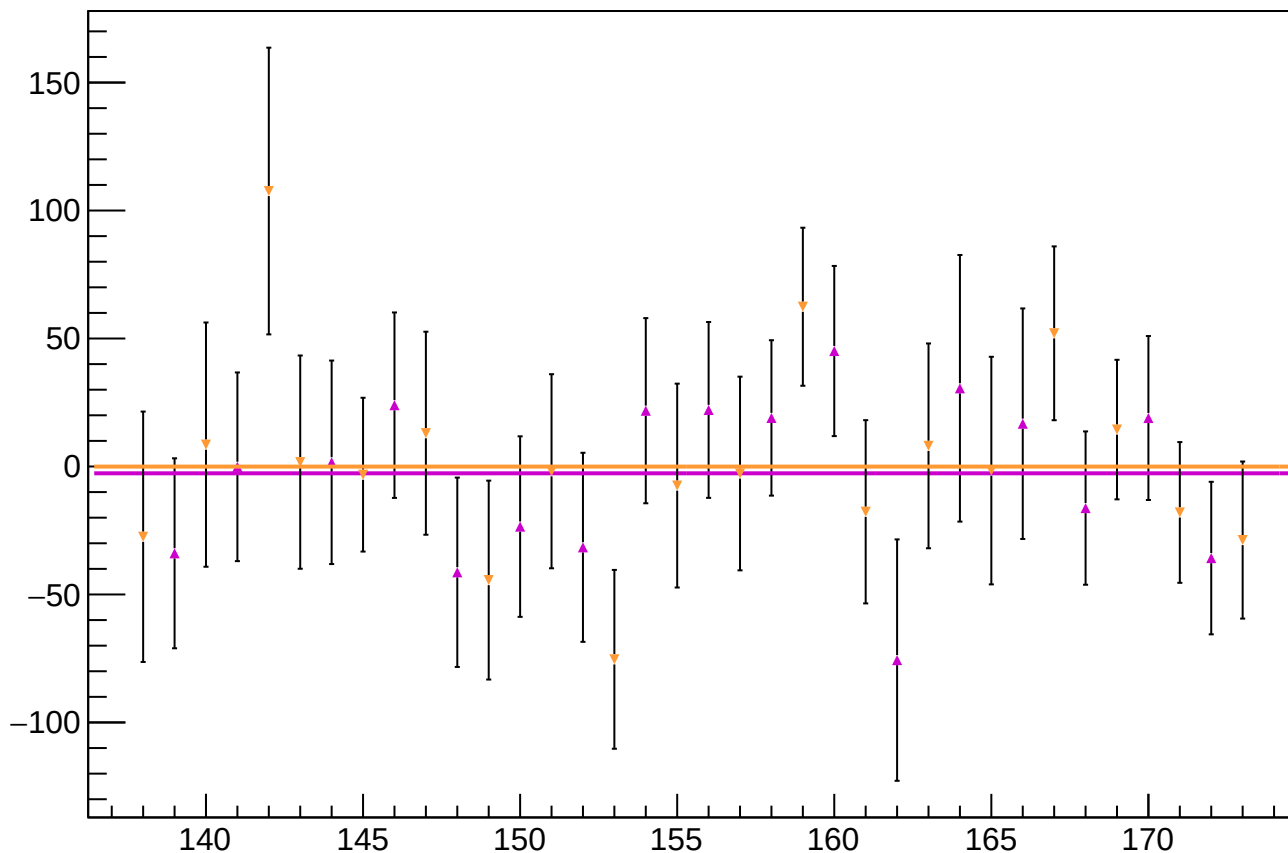
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 707.068+/-0.140 χ^2/NDF :941251.5/16

Out: 705.100+/-0.135 χ^2/NDF :1148604.6/18

All: 706.052+/-0.097 χ^2/NDF : 2089958.7/35

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: -0.042+/-8.287 χ^2/NDF :18.5/18

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

Left In: -2.666+/-8.686 χ^2/NDF :11.8/16

Left: -1.292+/-5.996 χ^2/NDF : 30.3/35

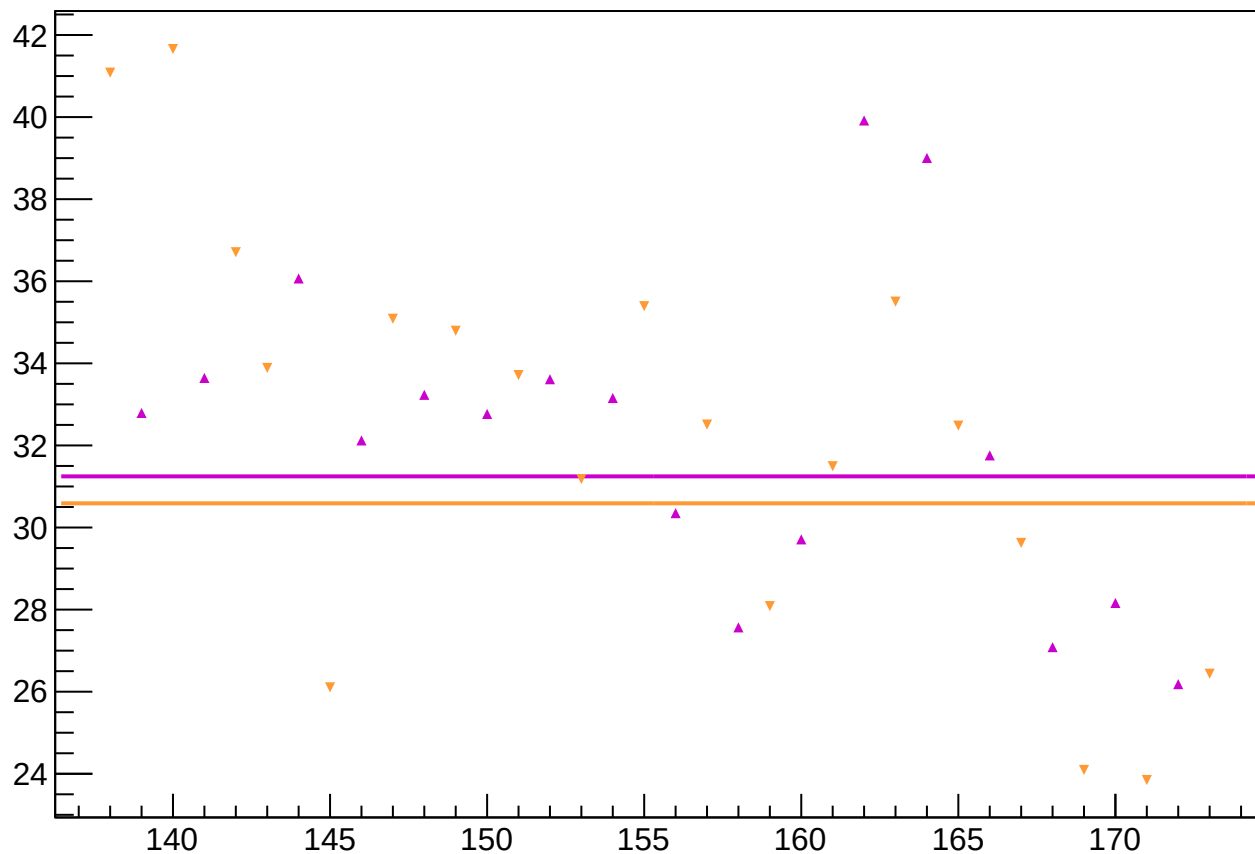
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -2.666+/-8.686 χ^2/NDF :11.8/16

Out: -0.042+/-8.287 χ^2/NDF :18.5/18

All: -1.292+/-5.996 χ^2/NDF : 30.3/35

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: 30.590+/-0.006 χ^2/NDF :698431.4/18

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

Left In: 31.246+/-0.006 χ^2/NDF :327932.2/16

Left: 30.903+/-0.004 χ^2/NDF : 1032347.6/35

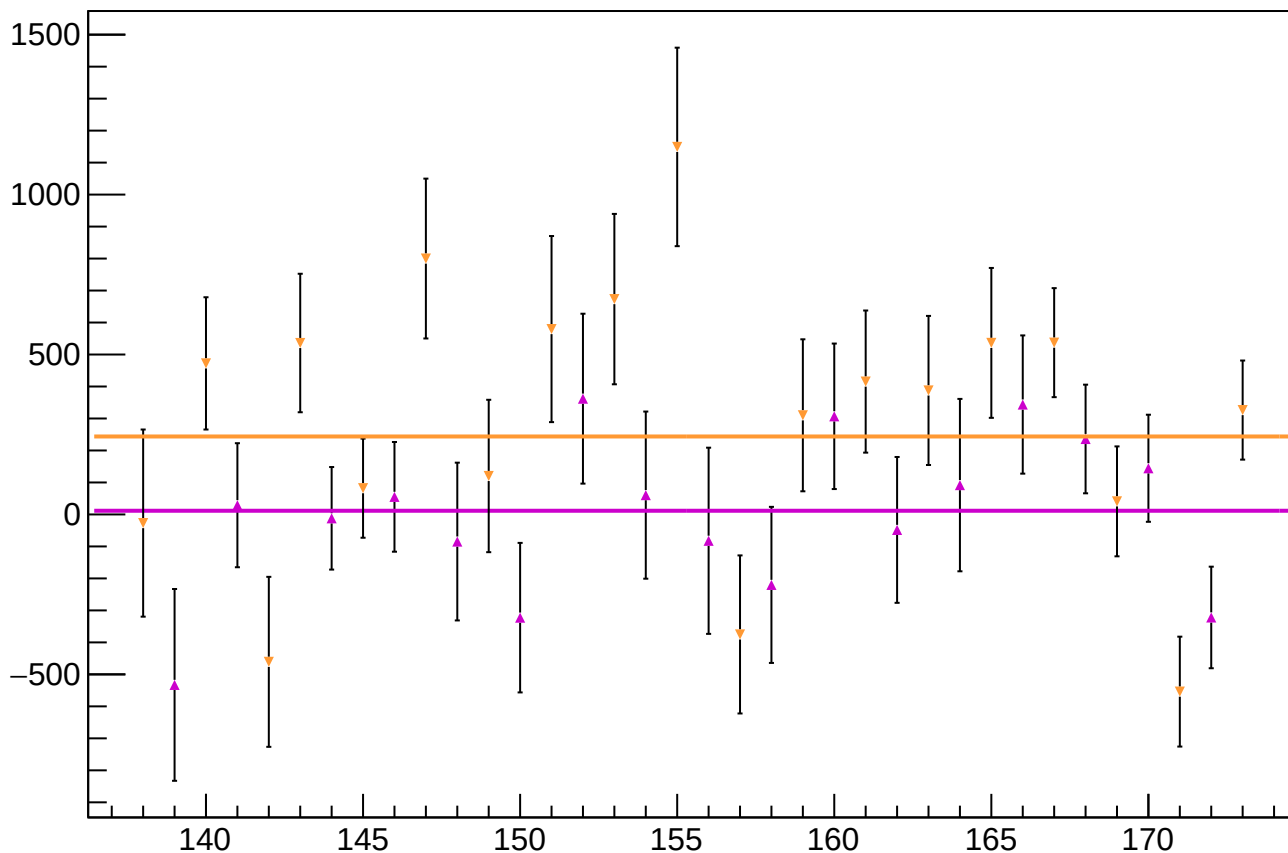
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 31.246+/-0.006 χ^2/NDF :327932.2/16

Out: 30.590+/-0.006 χ^2/NDF :698431.4/18

All: 30.903+/-0.004 χ^2/NDF : 1032347.6/35

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: 243.763+/-48.970 χ^2/NDF :64.8/18

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

Left In: 11.553+/-50.859 χ^2/NDF :19.4/16

Left: 132.051+/-35.276 χ^2/NDF : 95.0/35

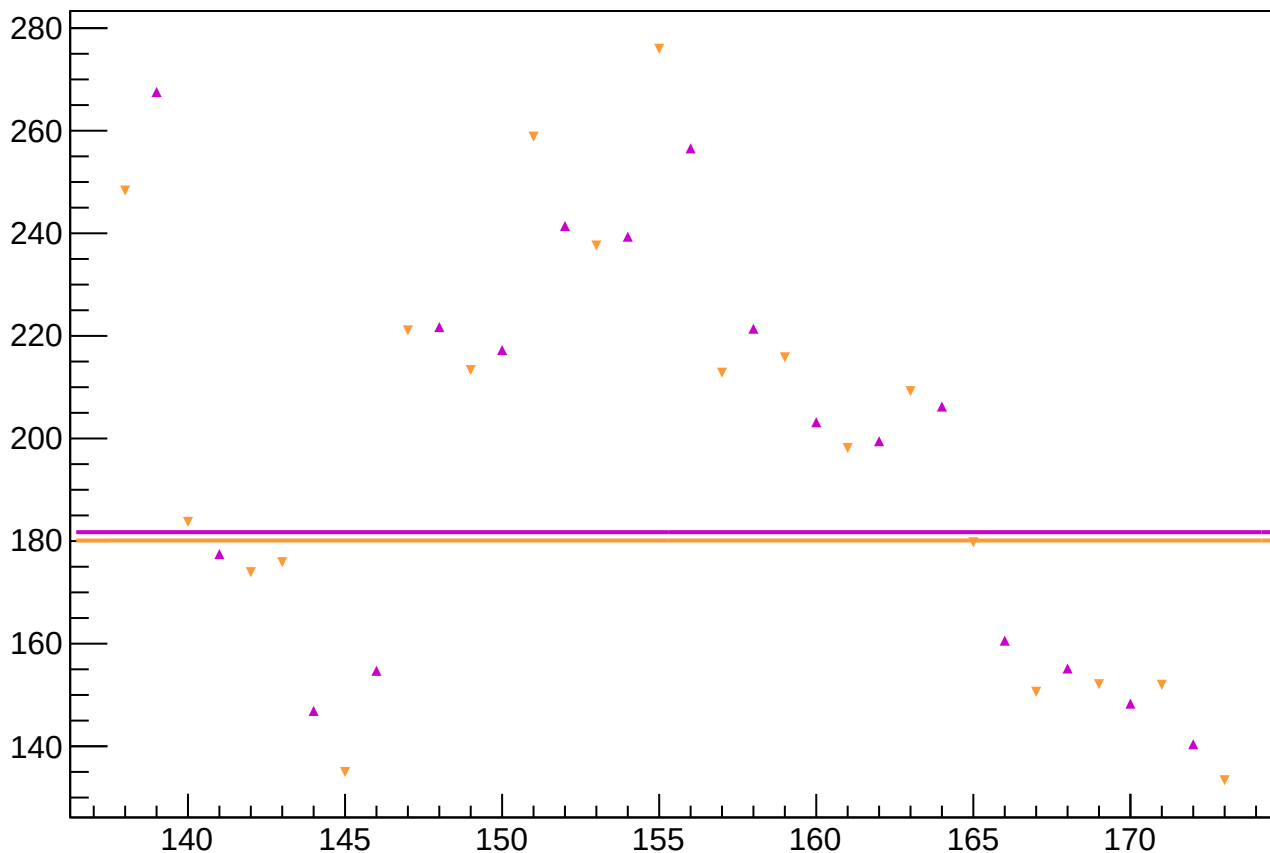
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 11.553+/-50.859 χ^2/NDF :19.4/16

Out: 243.763+/-48.970 χ^2/NDF :64.8/18

All: 132.051+/-35.276 χ^2/NDF : 95.0/35

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: 180.113+/-0.035 χ^2/NDF :1277540.2/18

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

Left In: 181.736+/-0.036 χ^2/NDF :1120865.0/16

Left: 180.894+/-0.025 χ^2/NDF : 2399461.3/35

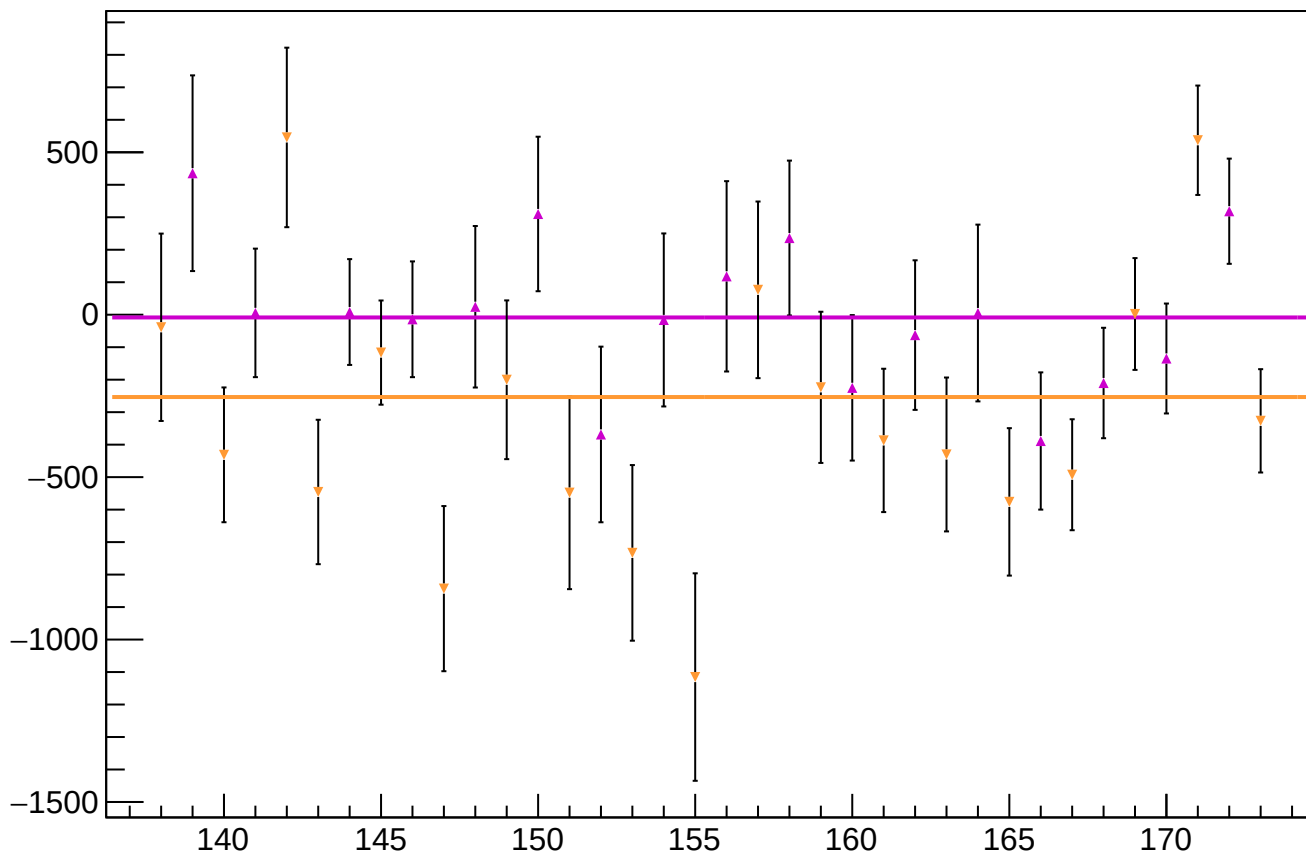
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 181.736+/-0.036 χ^2/NDF :1120865.0/16

Out: 180.113+/-0.035 χ^2/NDF :1277540.2/18

All: 180.894+/-0.025 χ^2/NDF : 2399461.3/35

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



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

Left Out: -253.430 $\pm$ 49.558 χ^2 /NDF:59.8/18

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

Left In: -8.438 $\pm$ 51.360 χ^2 /NDF:17.3/16

Left: -135.307 $\pm$ 35.663 χ^2 /NDF: 88.9/35

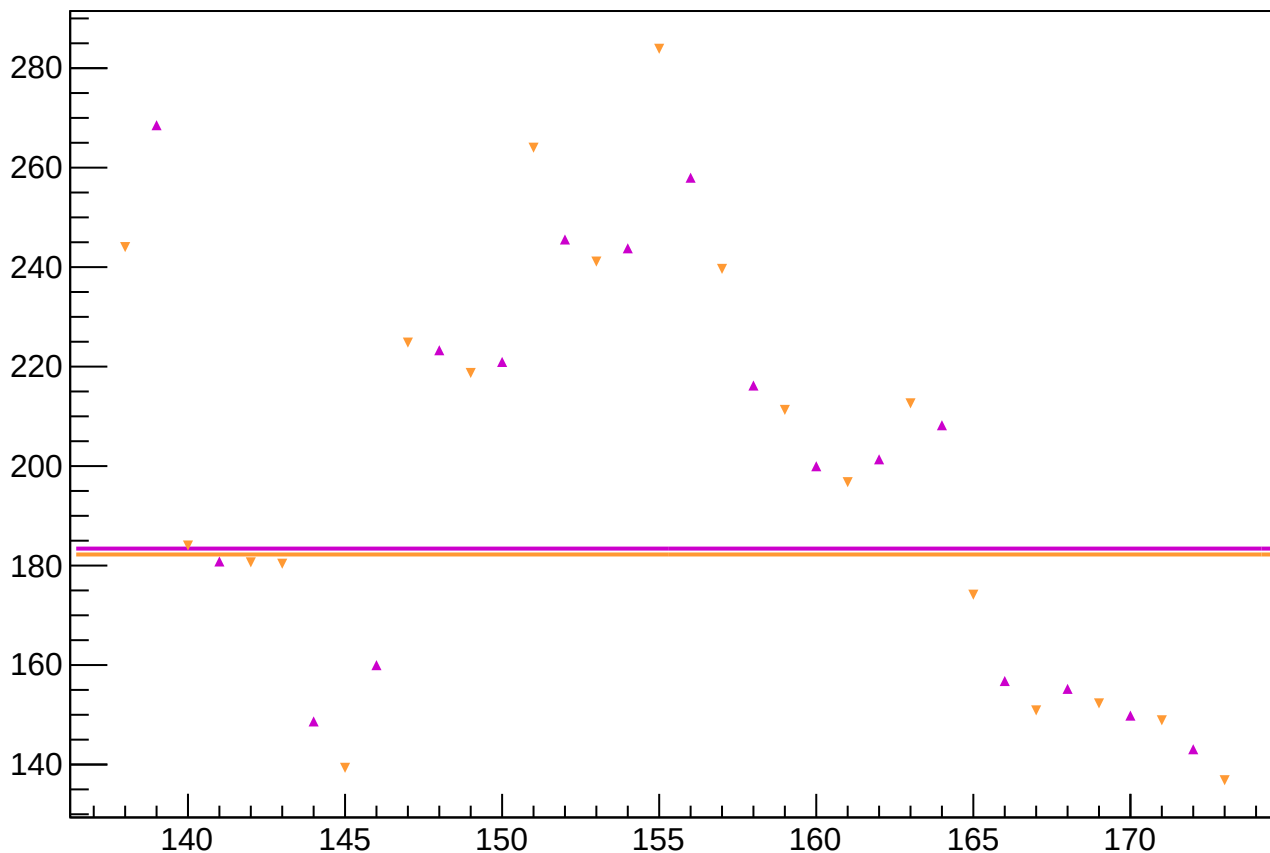
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -8.438 $\pm$ 51.360 χ^2 /NDF:17.3/16

Out: -253.430 $\pm$ 49.558 χ^2 /NDF:59.8/18

All: -135.307 $\pm$ 35.663 χ^2 /NDF: 88.9/35

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



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

Left Out: 182.227+/-0.035 χ^2/NDF :1318938.8/18

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

Left In: 183.412+/-0.036 χ^2/NDF :1092280.1/16

Left: 182.799+/-0.025 χ^2/NDF : 2411770.4/35

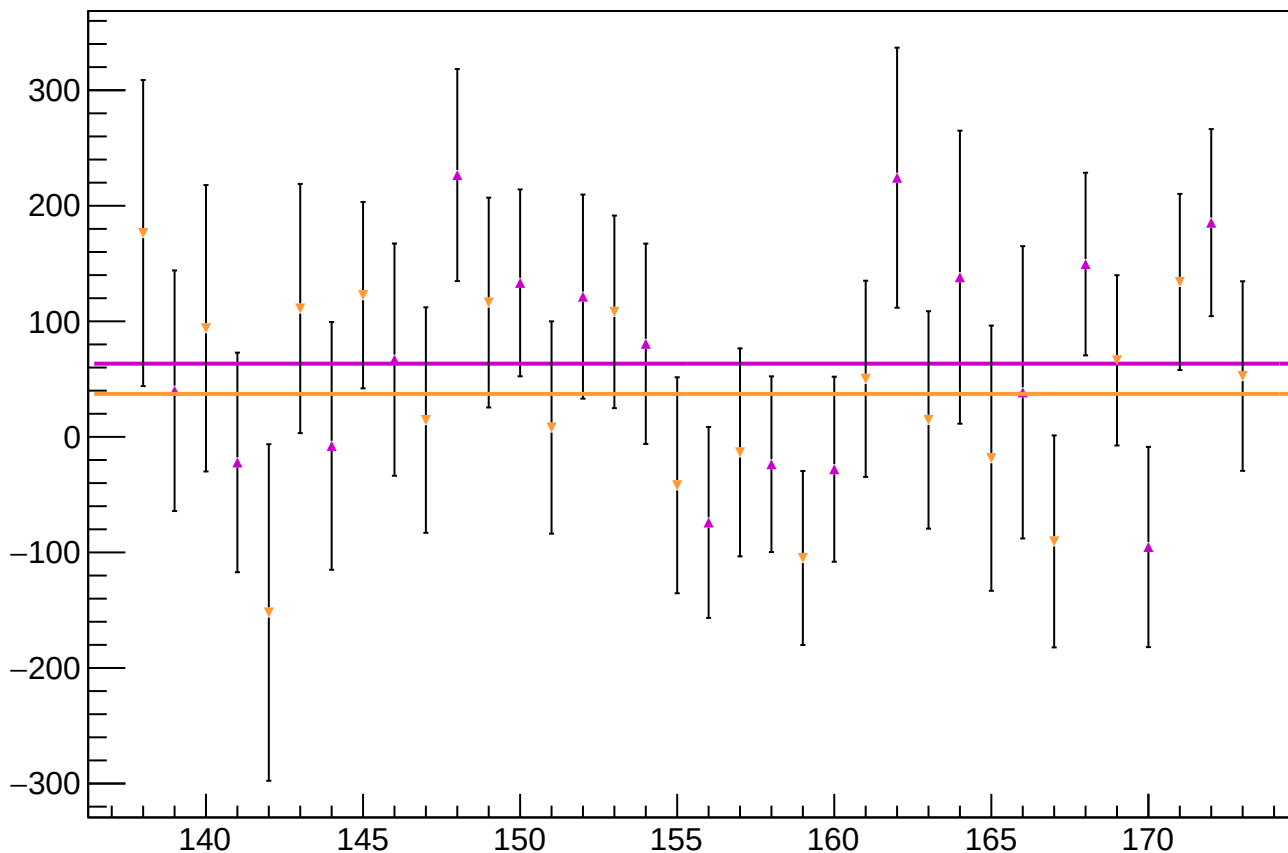
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 183.412+/-0.036 χ^2/NDF :1092280.1/16

Out: 182.227+/-0.035 χ^2/NDF :1318938.8/18

All: 182.799+/-0.025 χ^2/NDF : 2411770.4/35

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: 37.220 $\pm$ 21.018 χ^2 /NDF:14.9/18

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

Left In: 63.367 $\pm$ 22.101 χ^2 /NDF:20.3/16

Left: 49.637 $\pm$ 15.230 χ^2 /NDF: 35.9/35

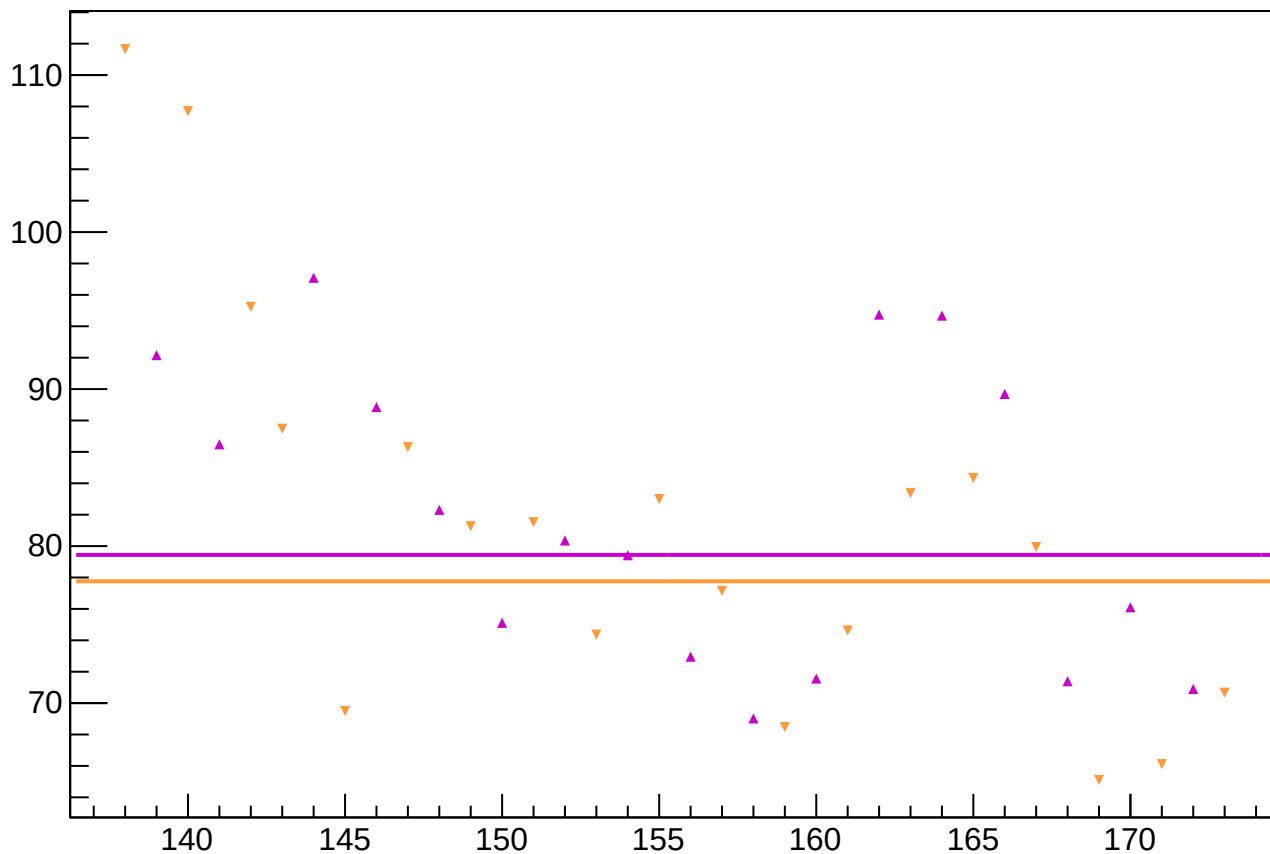
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 63.367 $\pm$ 22.101 χ^2 /NDF:20.3/16

Out: 37.220 $\pm$ 21.018 χ^2 /NDF:14.9/18

All: 49.637 $\pm$ 15.230 χ^2 /NDF: 35.9/35

dit_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



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

Left Out: 77.759+/-0.015 χ^2/NDF :513796.1/18

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

Left In: 79.438+/-0.016 χ^2/NDF :314680.1/16

Left: 78.557+/-0.011 χ^2/NDF : 834538.5/35

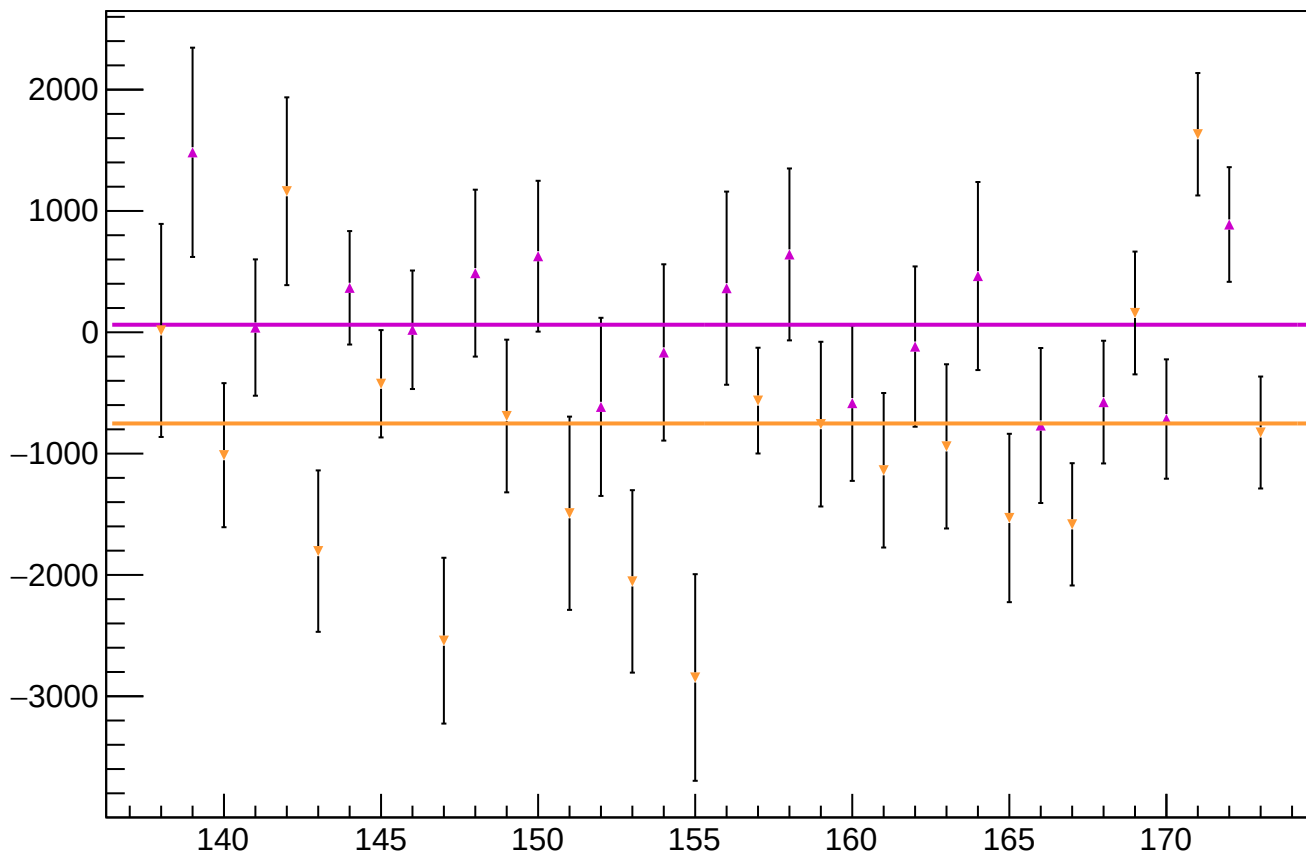
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 79.438+/-0.016 χ^2/NDF :314680.1/16

Out: 77.759+/-0.015 χ^2/NDF :513796.1/18

All: 78.557+/-0.011 χ^2/NDF : 834538.5/35

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -751.539+/-137.117 χ^2/NDF :57.1/18

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

Left In: 62.239+/-146.400 χ^2/NDF :16.3/16

Left: -371.266+/-100.077 χ^2/NDF : 89.9/35

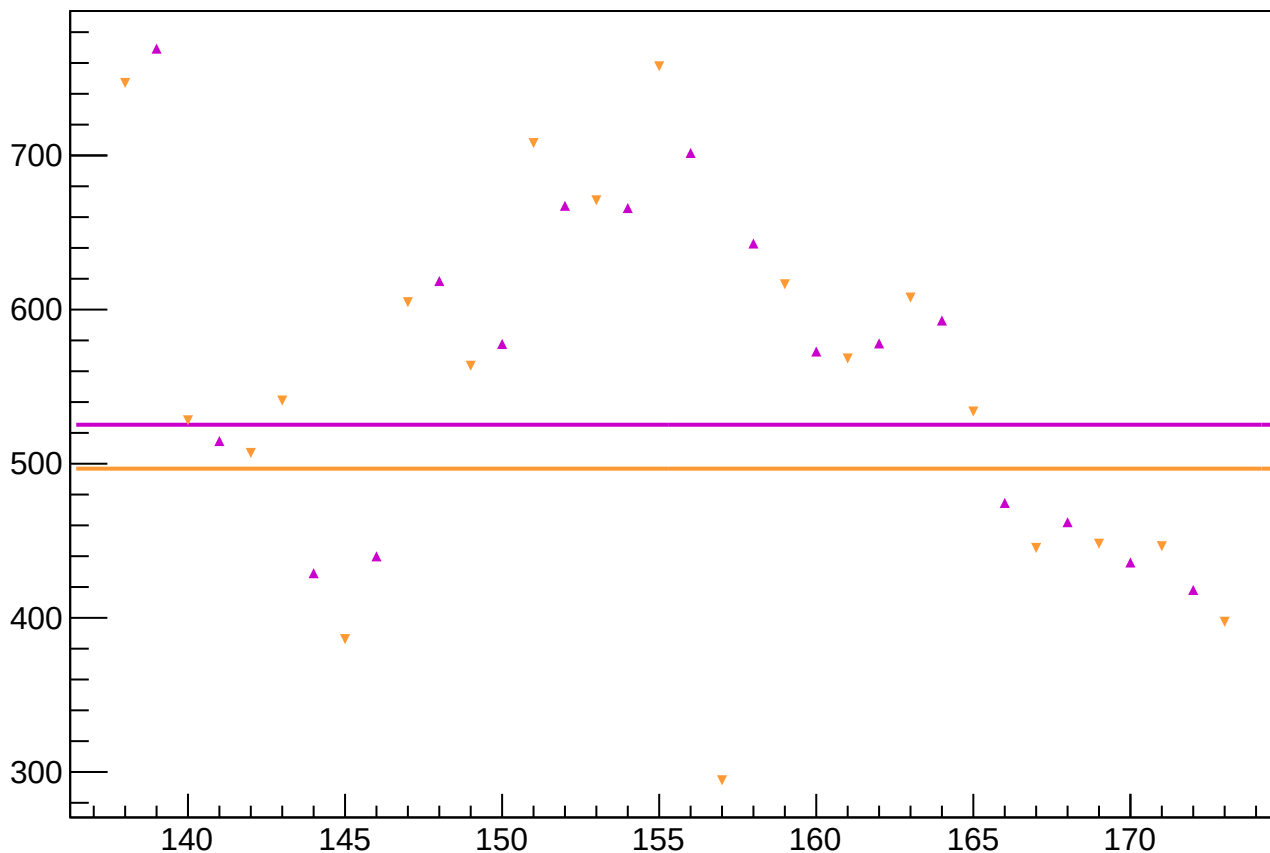
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 62.239+/-146.400 χ^2/NDF :16.3/16

Out: -751.539+/-137.117 χ^2/NDF :57.1/18

All: -371.266+/-100.077 χ^2/NDF : 89.9/35

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 496.792+/-0.097 χ^2/NDF :1539558.9/18

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

Left In: 525.291+/-0.104 χ^2/NDF :912460.6/16

Left: 510.110+/-0.071 χ^2/NDF : 2492394.3/35

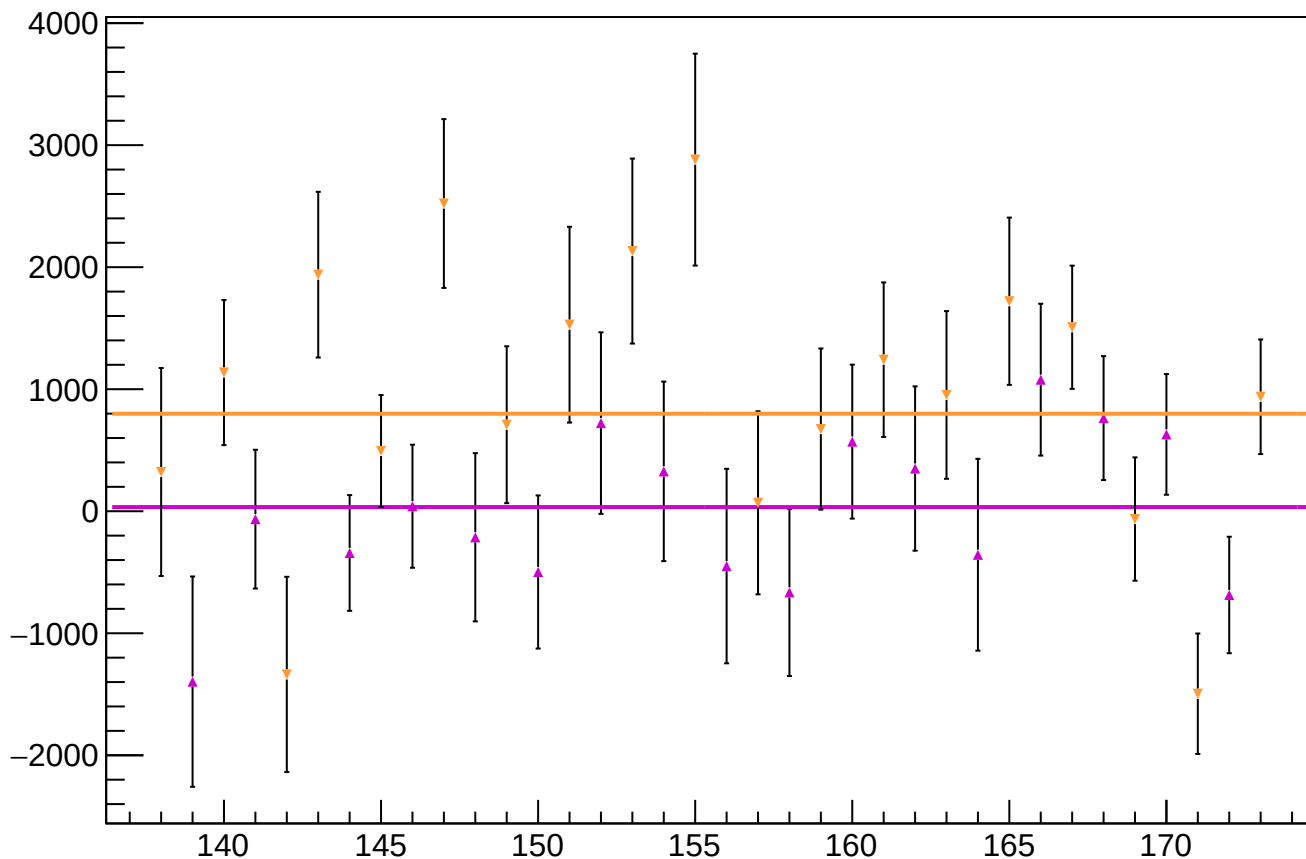
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 525.291+/-0.104 χ^2/NDF :912460.6/16

Out: 496.792+/-0.097 χ^2/NDF :1539558.9/18

All: 510.110+/-0.071 χ^2/NDF : 2492394.3/35

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



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

Left Out: 798.902+/-142.694 χ^2/NDF :56.8/18

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

Left In: 33.988+/-147.280 χ^2/NDF :16.5/16

Left: 428.538+/-102.483 χ^2/NDF : 87.2/35

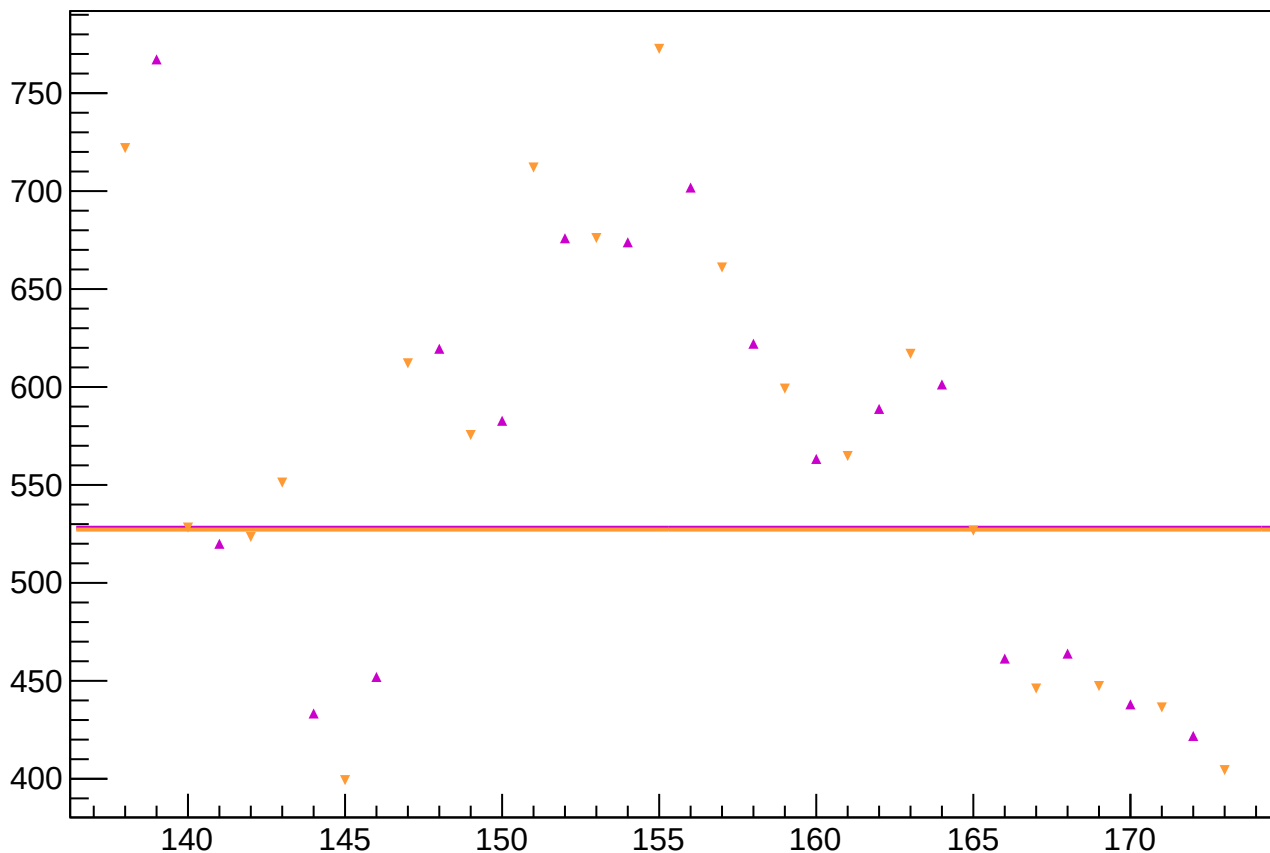
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 33.988+/-147.280 χ^2/NDF :16.5/16

Out: 798.902+/-142.694 χ^2/NDF :56.8/18

All: 428.538+/-102.483 χ^2/NDF : 87.2/35

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



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

Left Out: 527.204+/-0.101 χ^2/NDF :1081476.9/18

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

Left In: 528.148+/-0.104 χ^2/NDF :880590.2/16

Left: 527.661+/-0.072 χ^2/NDF : 1962109.4/35

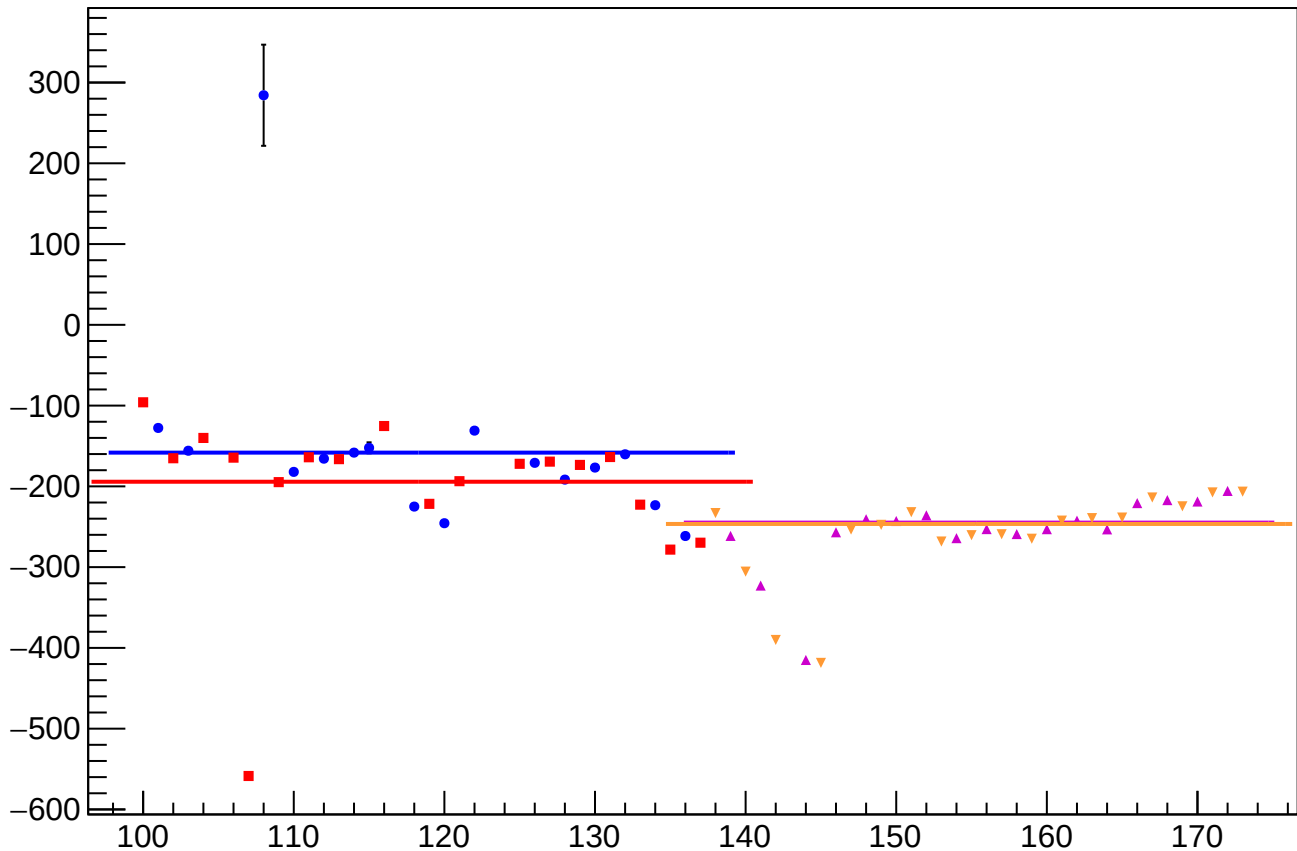
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 528.148+/-0.104 χ^2/NDF :880590.2/16

Out: 527.204+/-0.101 χ^2/NDF :1081476.9/18

All: 527.661+/-0.072 χ^2/NDF : 1962109.4/35

dit_usl_4aX_slope vs Slug, Sign Corrected



Right In: -158.222 $\pm$ 0.000 χ^2 /NDF: 117166.2/15

Left Out: -246.546 $\pm$ 0.129 χ^2 /NDF: 56770.1/17

Right Out: -194.268 $\pm$ 0.165 χ^2 /NDF: 176560.4/17

Left In: -244.876 $\pm$ 0.128 χ^2 /NDF: 77528.3/16

Left: -245.701 $\pm$ 0.091 χ^2 /NDF: 134382.7/34

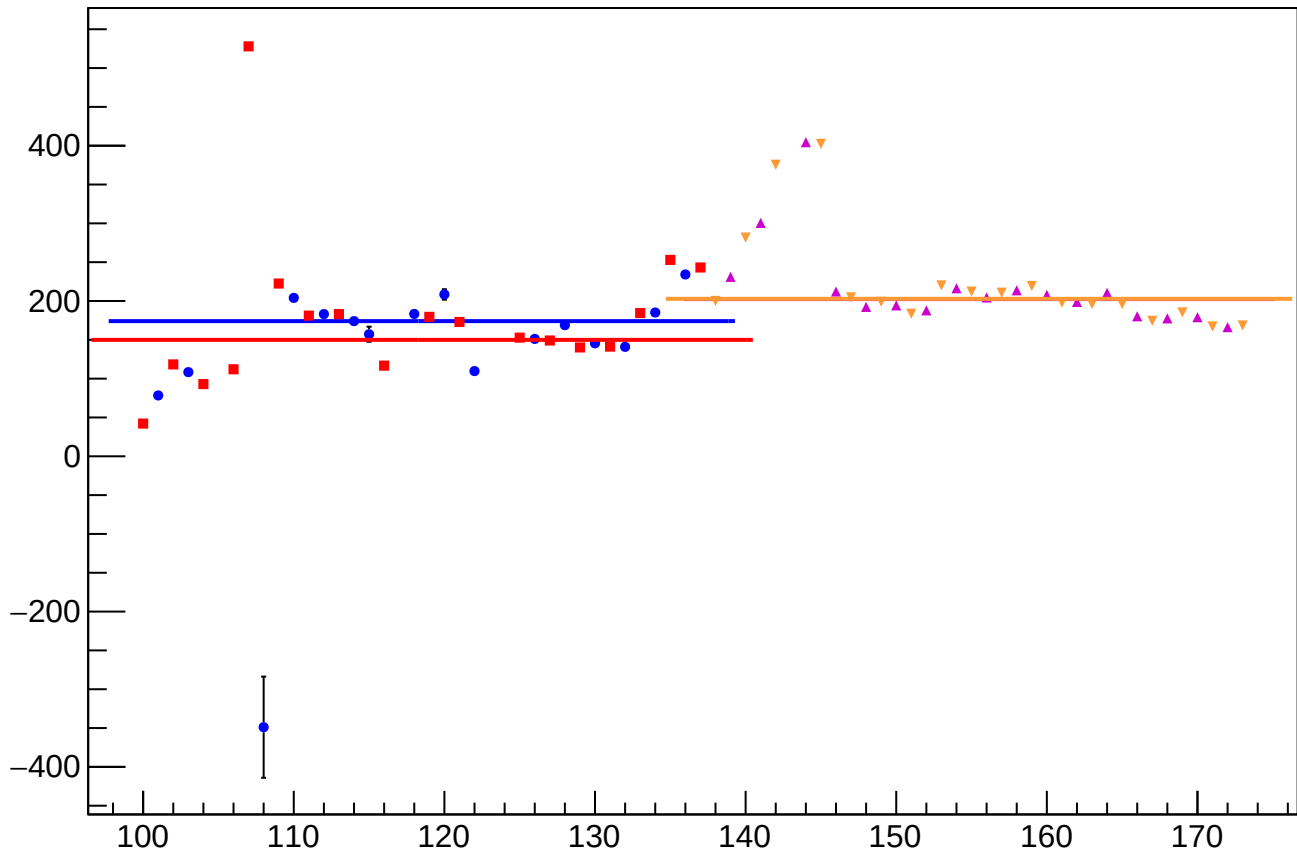
Right: -158.222 $\pm$ 0.000 χ^2 /NDF: 341369.6/33

In: -158.222 $\pm$ 0.000 χ^2 /NDF: 654199.9/32

Out: -226.651 $\pm$ 0.102 χ^2 /NDF: 295405.1/35

All: -158.222 $\pm$ 0.000 χ^2 /NDF: 1400758.2/68

dit_usl_4eX_slope vs Slug, Sign Corrected



Right In: 174.085 $\pm$ 0.000 χ^2 /NDF: 53377.4/15

Left Out: 202.805 $\pm$ 0.129 χ^2 /NDF: 56860.3/17

Right Out: 149.948 $\pm$ 0.196 χ^2 /NDF: 167846.4/17

Left In: 202.465 $\pm$ 0.129 χ^2 /NDF: 89538.3/16

Left: 202.634 $\pm$ 0.091 χ^2 /NDF: 146402.1/34

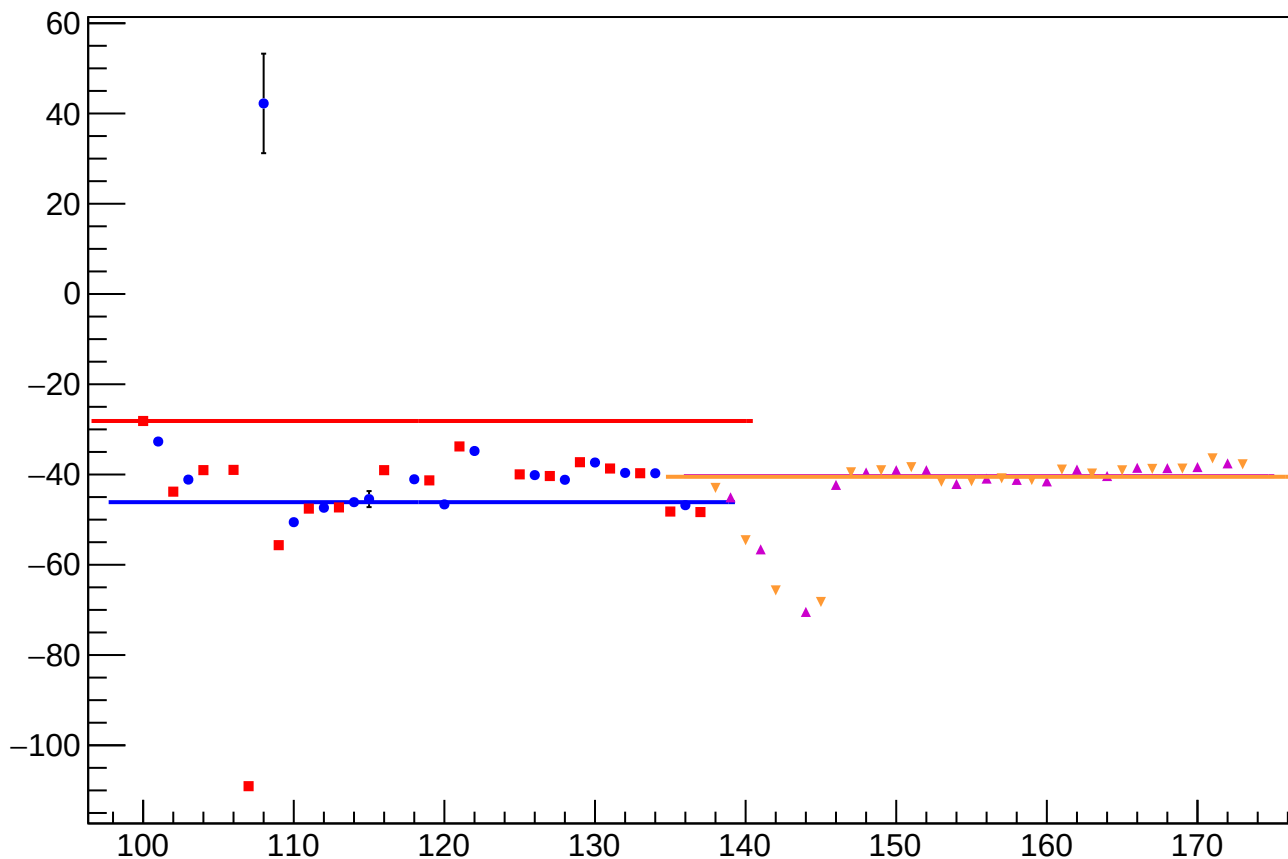
Right: 174.085 $\pm$ 0.000 χ^2 /NDF: 236460.5/33

In: 174.085 $\pm$ 0.000 χ^2 /NDF: 191673.7/32

Out: 186.711 $\pm$ 0.108 χ^2 /NDF: 275526.6/35

All: 174.085 $\pm$ 0.000 χ^2 /NDF: 480893.3/68

dit_usl_11X12X_slope vs Slug, Sign Corrected



Right In: -46.126+/-0.000 χ^2/NDF : 201273.7/15

Left Out: -40.501+/-0.007 χ^2/NDF :129436.5/17

Right Out: -28.139+/-0.000 χ^2/NDF : 746939.9/17

Left In: -40.352+/-0.008 χ^2/NDF :184083.9/16

Left: -40.436+/-0.005 χ^2/NDF : 313707.6/34

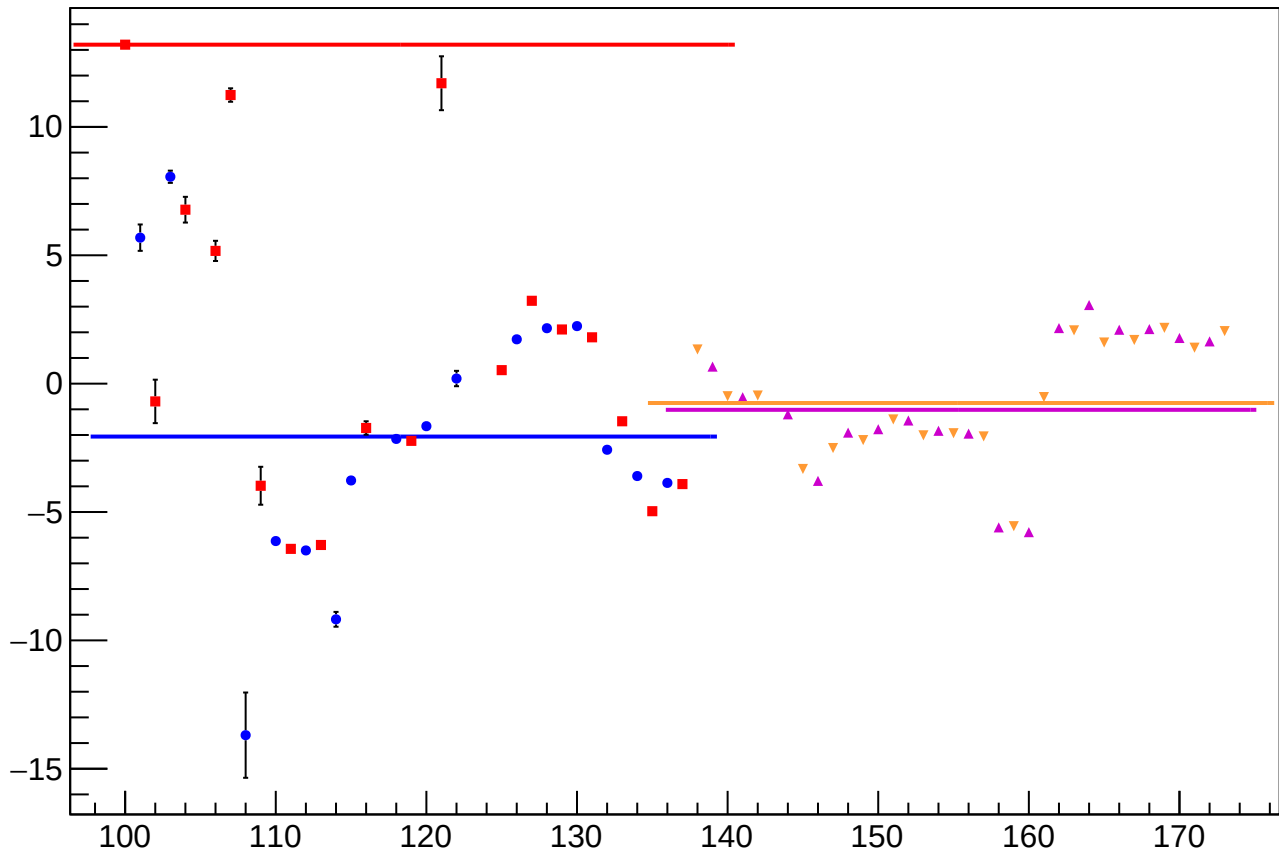
Right: -39.778+/-0.000 χ^2/NDF : 248795993231659

In: -46.126+/-0.000 χ^2/NDF :891654.2/32

Out: -28.139+/-0.000 χ^2/NDF :3852545.5/35

All: -39.778+/-0.000 χ^2/NDF : 248795993231

dit_usl_4aY_slope vs Slug, Sign Corrected



Right In: -2.061 ± 0.018 χ^2/NDF : 25665.1/15

Left Out: -0.754 ± 0.007 χ^2/NDF : 109745.0/17

Right Out: 13.204 ± 0.000 χ^2/NDF : 509721.0/17

Left In: -1.020 ± 0.006 χ^2/NDF : 149469.2/16

Left: -0.908 ± 0.005 χ^2/NDF : 259955.0/34

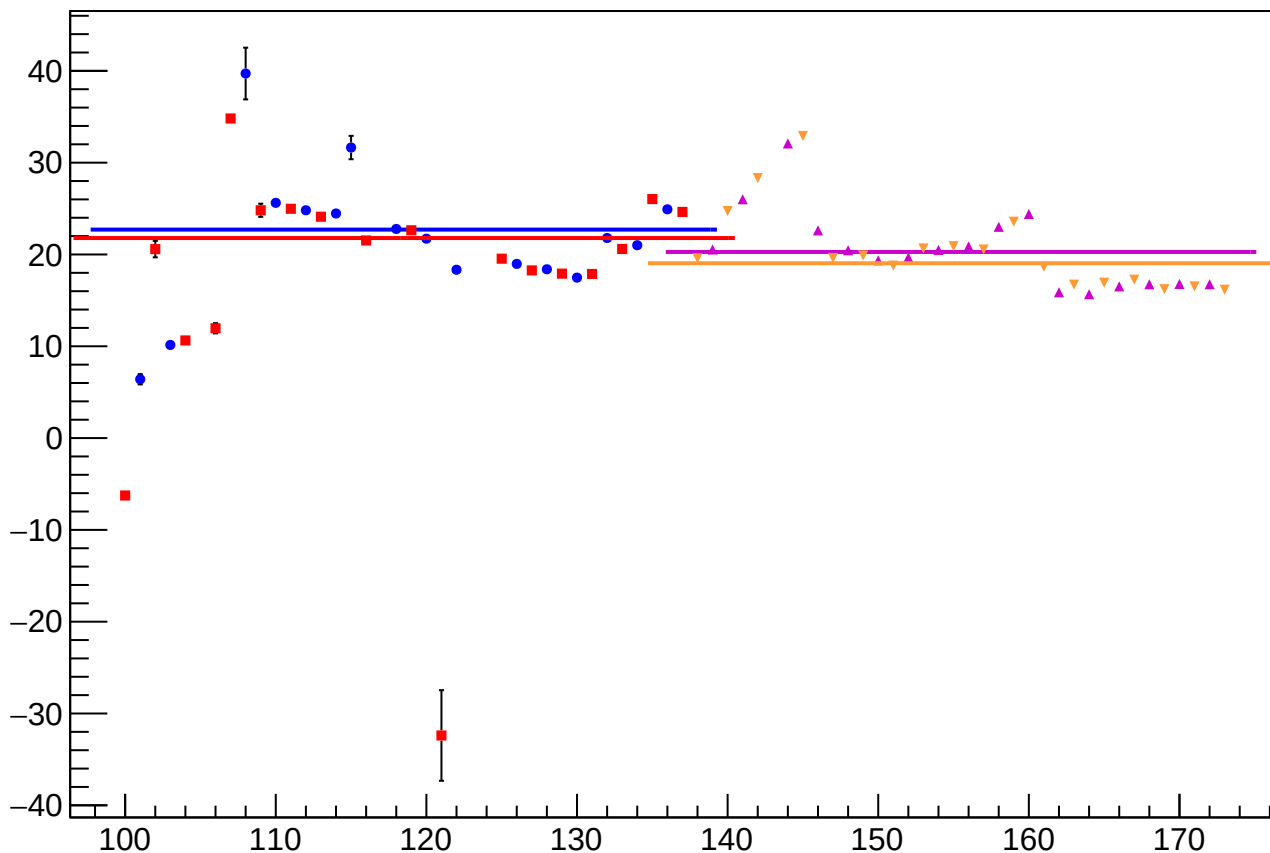
Right: 13.204 ± 0.000 χ^2/NDF : 1268800.5/33

In: -1.137 ± 0.006 χ^2/NDF : 178164.5/32

Out: 13.204 ± 0.000 χ^2/NDF : 4143944.4/35

All: 13.204 ± 0.000 χ^2/NDF : 10085408.1/68

dit_usl_4eY_slope vs Slug, Sign Corrected



Right In: 22.711 ± 0.019 $\chi^2/\text{NDF}: 22767.9/15$

Left Out: 19.045 ± 0.009 $\chi^2/\text{NDF}: 85619.9/17$

Right Out: 21.790 ± 0.022 $\chi^2/\text{NDF}: 26670.9/17$

Left In: 20.274 ± 0.008 $\chi^2/\text{NDF}: 119568.1/16$

Left: 19.711 ± 0.006 $\chi^2/\text{NDF}: 216196.4/34$

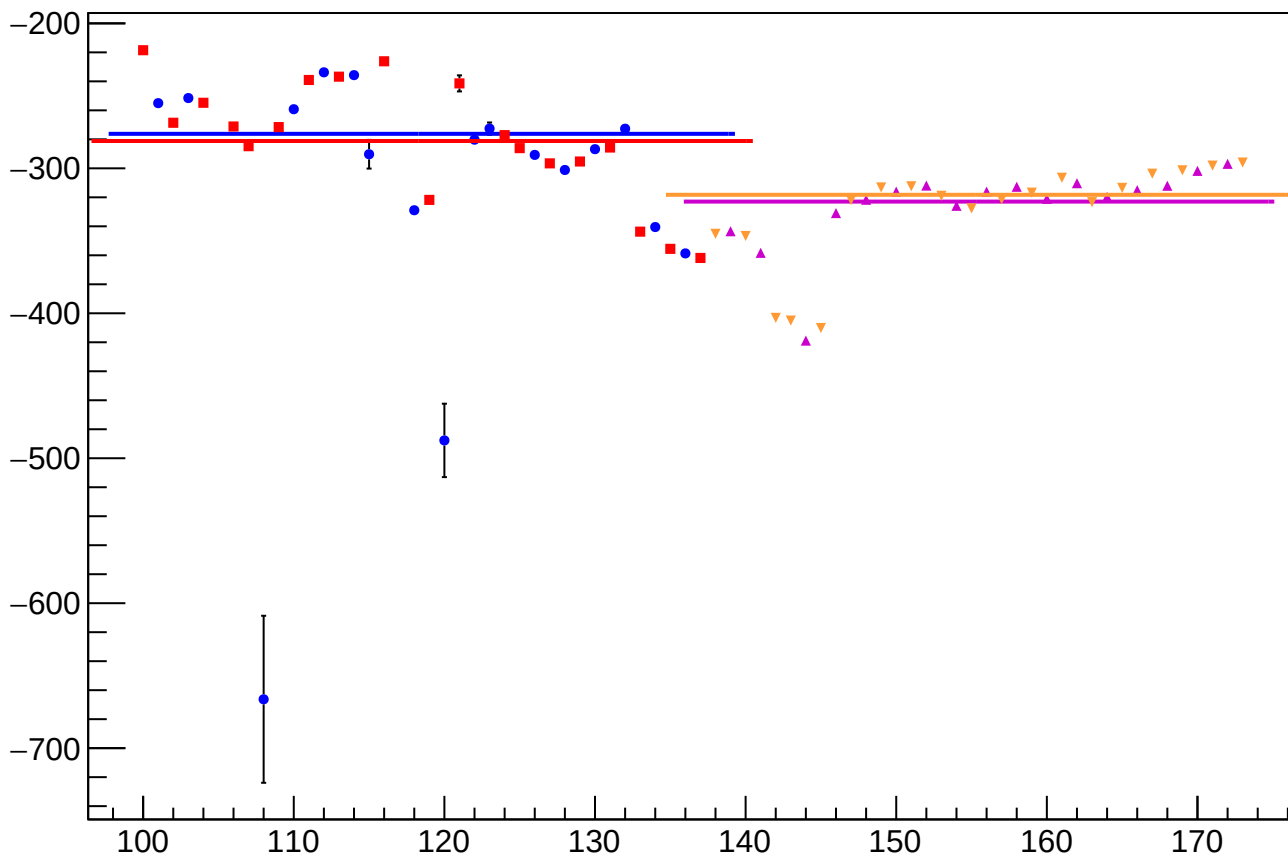
Right: 22.313 ± 0.014 $\chi^2/\text{NDF}: 50478.1/33$

In: 20.643 ± 0.007 $\chi^2/\text{NDF}: 156657.2/32$

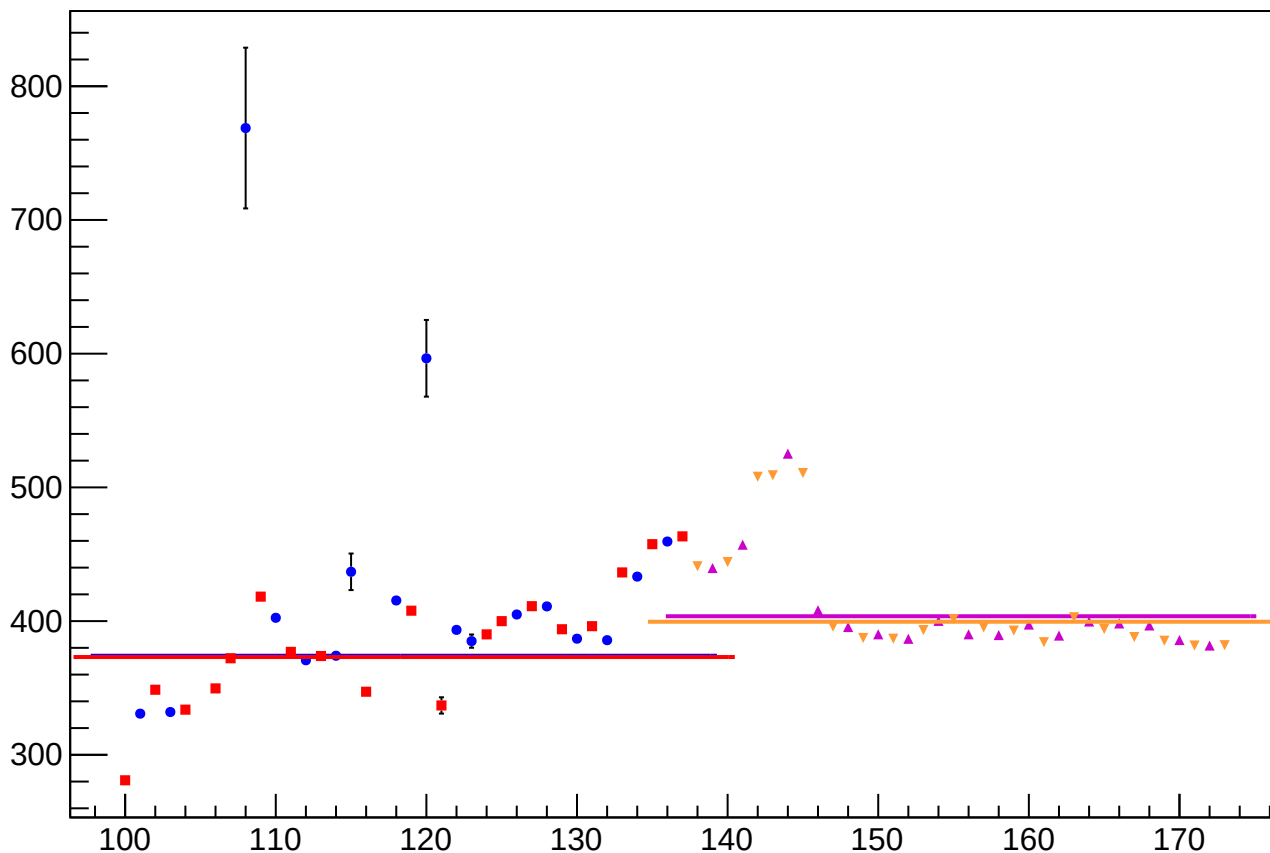
Out: 19.425 ± 0.008 $\chi^2/\text{NDF}: 126312.9/35$

All: 20.090 ± 0.005 $\chi^2/\text{NDF}: 295611.5/68$

dit_usr_4aX_slope vs Slug, Sign Corrected



dit_usr_4eX_slope vs Slug, Sign Corrected



Right In: 374.094 $\pm$ 0.000 χ^2 /NDF: 35072.0/16

Left Out: 399.527 $\pm$ 0.113 χ^2 /NDF:61330.3/18

Right Out: 373.134 $\pm$ 0.158 χ^2 /NDF: 108219.4/18

Left In: 403.631 $\pm$ 0.108 χ^2 /NDF:68461.6/16

Left: 401.664 $\pm$ 0.078 χ^2 /NDF: 130484.3/35

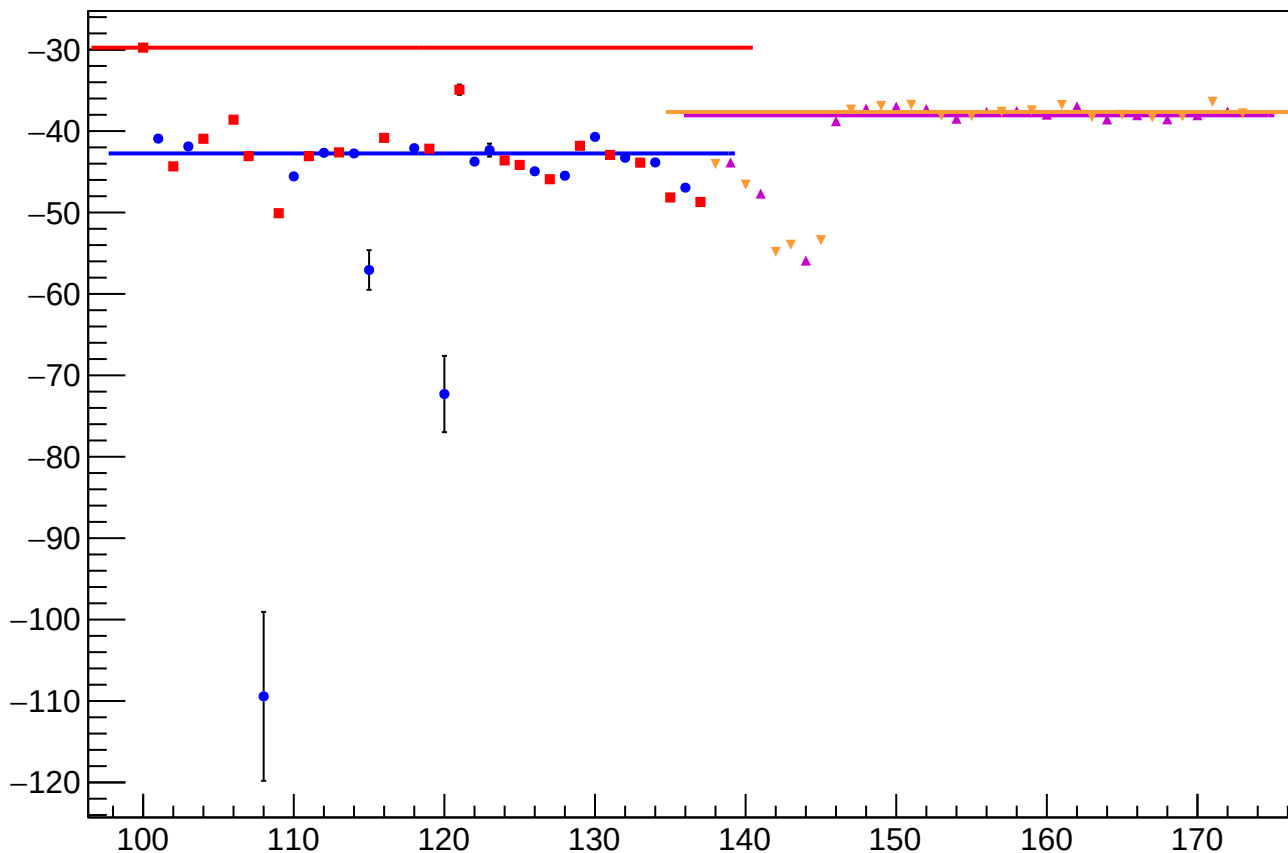
Right: 374.094 $\pm$ 0.000 χ^2 /NDF: 143328.3/35

In: 374.094 $\pm$ 0.000 χ^2 /NDF:178368.3/33

Out: 390.637 $\pm$ 0.092 χ^2 /NDF:188066.3/37

All: 374.094 $\pm$ 0.000 χ^2 /NDF: 399004.9/71

dit_usr_11X12X_slope vs Slug, Sign Corrected



Right In: -42.744+/-0.000 χ^2/NDF : 13262.6/16

Left Out: -37.648+/-0.004 χ^2/NDF : 261926.9/18

Right Out: -29.754+/-0.000 χ^2/NDF : 483930.3/18

Left In: -38.062+/-0.005 χ^2/NDF : 149455.6/16

Left: -37.840+/-0.003 χ^2/NDF : 415745.3/35

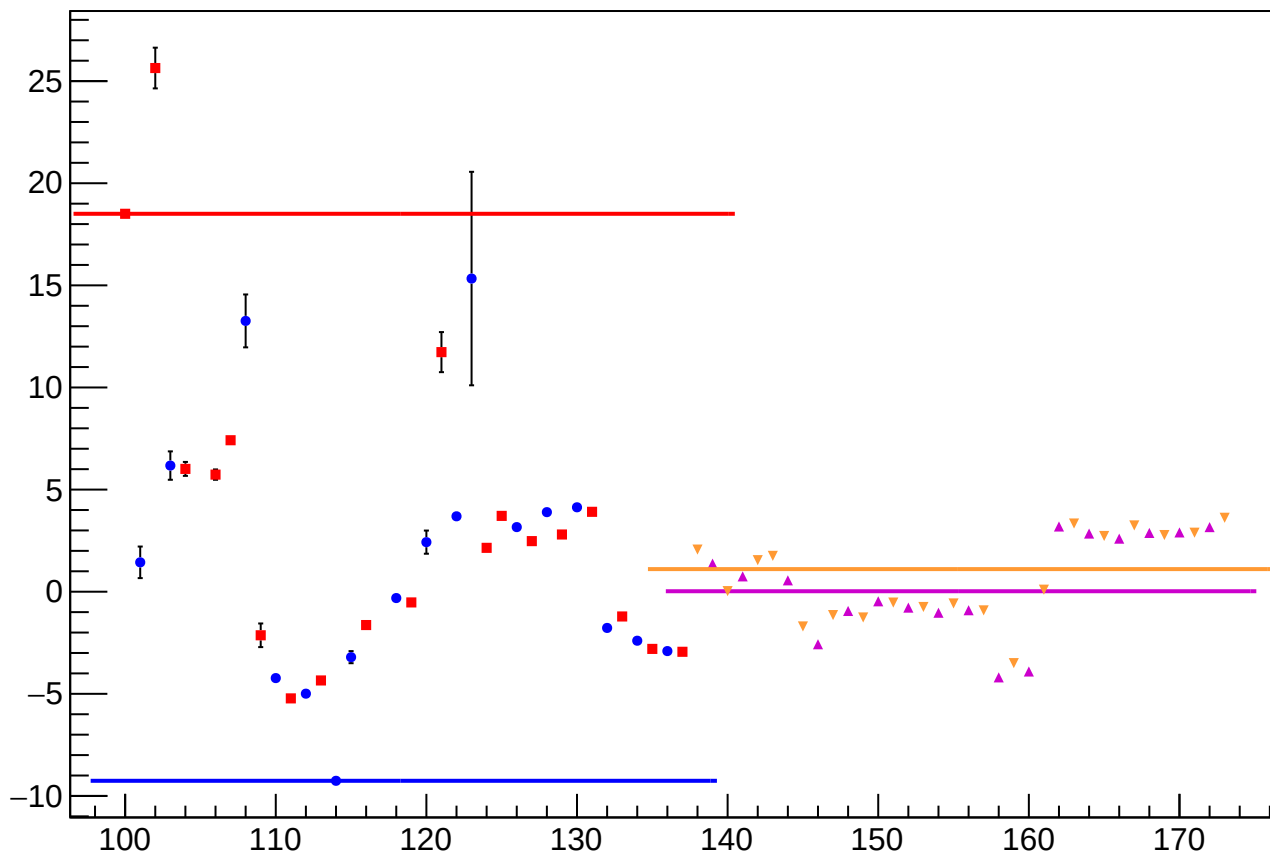
Right: -38.159+/-0.000 χ^2/NDF : 129765212680709

In: -42.744+/-0.000 χ^2/NDF : 1204091.5/33

Out: -29.754+/-0.000 χ^2/NDF : 4168899.1/37

All: -38.159+/-0.000 χ^2/NDF : 129765212680

dit_usr_4aY_slope vs Slug, Sign Corrected



Right In: -9.259 ± 0.000 $\chi^2/\text{NDF}: 405850.5/16$

Left Out: 1.107 ± 0.006 $\chi^2/\text{NDF}: 153520.4/18$

Right Out: 18.504 ± 0.000 $\chi^2/\text{NDF}: 7366781.0/18$

Left In: 0.023 ± 0.006 $\chi^2/\text{NDF}: 133818.0/16$

Left: 0.629 ± 0.004 $\chi^2/\text{NDF}: 303236.1/35$

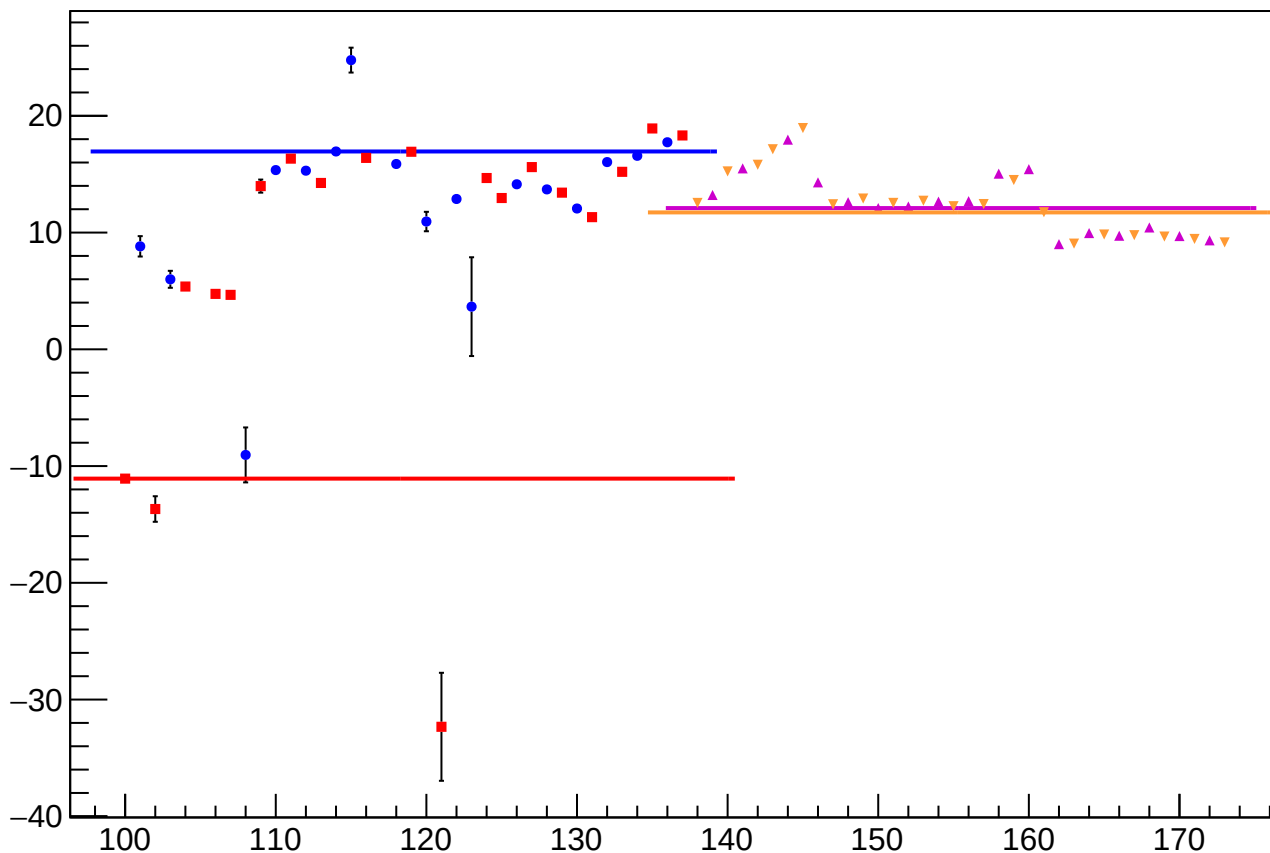
Right: 6.039 ± 0.000 $\chi^2/\text{NDF}: 16450574505955581$

In: -9.259 ± 0.000 $\chi^2/\text{NDF}: 2627109.2/33$

Out: 18.504 ± 0.000 $\chi^2/\text{NDF}: 16801492.0/37$

All: 6.039 ± 0.000 $\chi^2/\text{NDF}: 16450574505955581$

dit_usr_4eY_slope vs Slug, Sign Corrected



Right In: 16.947 $\pm$ 0.000 χ^2 /NDF: 11231.8/16

Left Out: 11.727 $\pm$ 0.008 χ^2 /NDF: 69414.8/18

Right Out: -11.075 $\pm$ 0.000 χ^2 /NDF: 2712010.0/18

Left In: 12.098 $\pm$ 0.009 χ^2 /NDF: 56183.3/16

Left: 11.888 $\pm$ 0.006 χ^2 /NDF: 126598.1/35

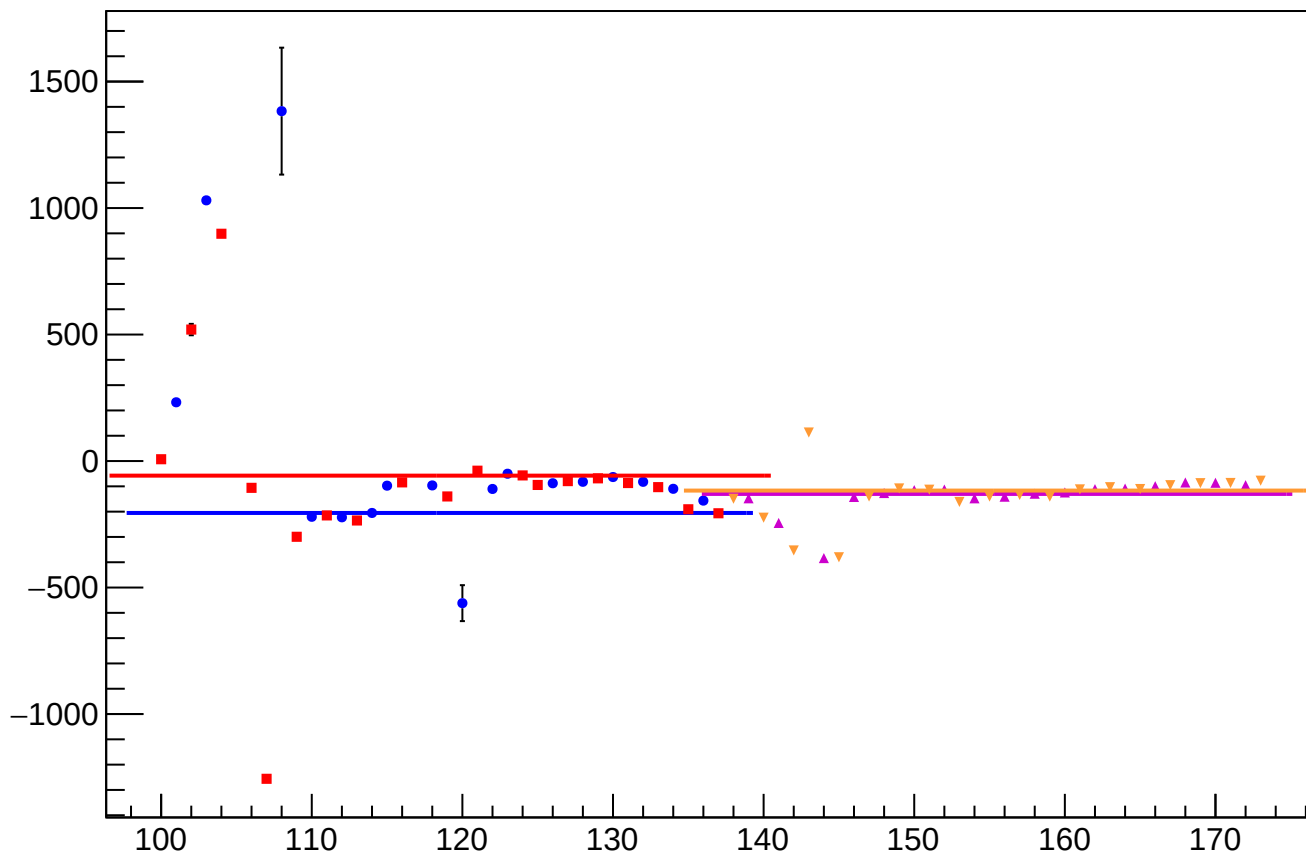
Right: -2.268 $\pm$ 0.000 χ^2 /NDF: 4692527454635666

In: 16.947 $\pm$ 0.000 χ^2 /NDF: 367493.4/33

Out: -11.075 $\pm$ 0.000 χ^2 /NDF: 11471053.4/37

All: -2.268 $\pm$ 0.000 χ^2 /NDF: 4692527454635

dit_atl1_4aX_slope vs Slug, Sign Corrected



Right In: -205.160 ± 0.000 $\chi^2/\text{NDF}: 582775.6/16$

Left Out: -116.743 ± 0.210 $\chi^2/\text{NDF}: 54464.7/18$

Right Out: -57.684 ± 0.283 $\chi^2/\text{NDF}: 114854.9/18$

Left In: -129.946 ± 0.255 $\chi^2/\text{NDF}: 53878.0/16$

Left: -122.075 ± 0.162 $\chi^2/\text{NDF}: 109943.2/35$

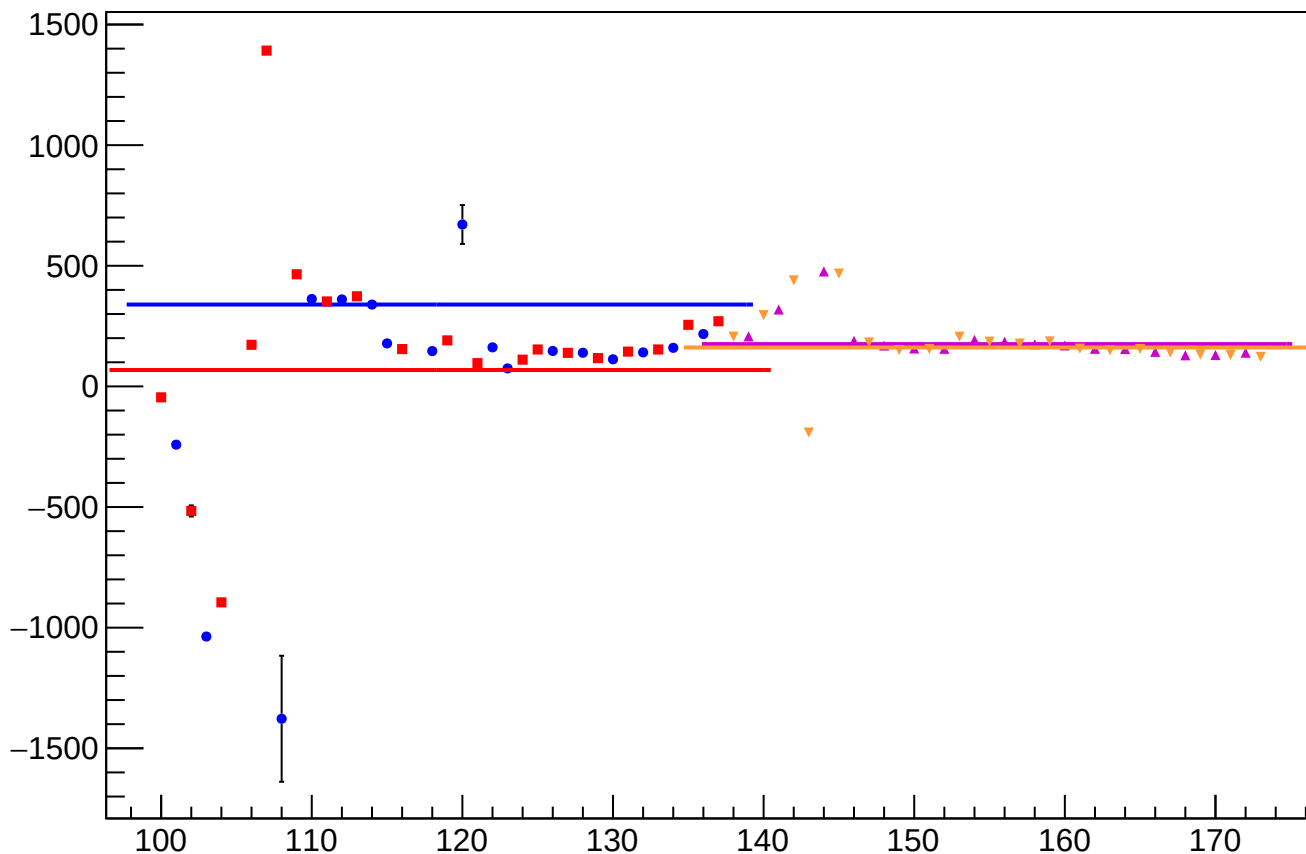
Right: -205.160 ± 0.000 $\chi^2/\text{NDF}: 968522.3/35$

In: -205.160 ± 0.000 $\chi^2/\text{NDF}: 723771.3/33$

Out: -95.839 ± 0.169 $\chi^2/\text{NDF}: 197386.1/37$

All: -205.160 ± 0.000 $\chi^2/\text{NDF}: 1341704.1/71$

dit_atl1_4eX_slope vs Slug, Sign Corrected



Right In: 339.325 $\pm$ 0.000 χ^2 /NDF: 1030606.3/16

Left Out: 161.251 $\pm$ 0.214 χ^2 /NDF: 88814.3/18

Right Out: 68.024 $\pm$ 0.286 χ^2 /NDF: 272330.9/18

Left In: 175.351 $\pm$ 0.259 χ^2 /NDF: 60319.2/16

Left: 166.980 $\pm$ 0.165 χ^2 /NDF: 150892.2/35

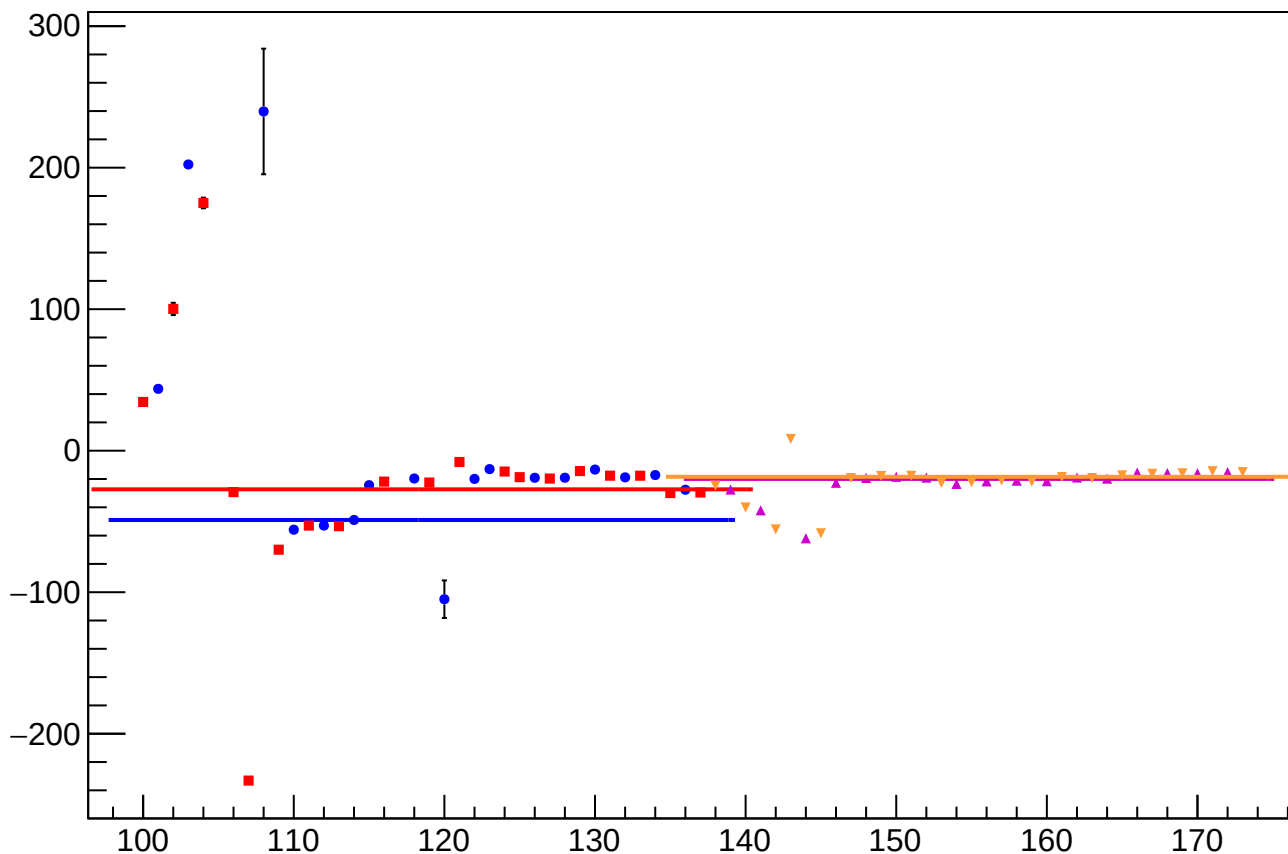
Right: 339.325 $\pm$ 0.000 χ^2 /NDF: 2202286.8/35

In: 339.325 $\pm$ 0.000 χ^2 /NDF: 1491536.5/33

Out: 127.737 $\pm$ 0.172 χ^2 /NDF: 429165.7/37

All: 339.325 $\pm$ 0.000 χ^2 /NDF: 3442387.6/71

dit_atl1_11X12X_slope vs Slug, Sign Corrected



Right In: -48.945 ± 0.000 χ^2/NDF : 5408370.4/16

Left Out: -18.437 ± 0.011 χ^2/NDF : 585334.1/18

Right Out: -27.303 ± 0.052 χ^2/NDF : 167879.9/18

Left In: -19.938 ± 0.014 χ^2/NDF : 160671.7/16

Left: -19.015 ± 0.009 χ^2/NDF : 752657.7/35

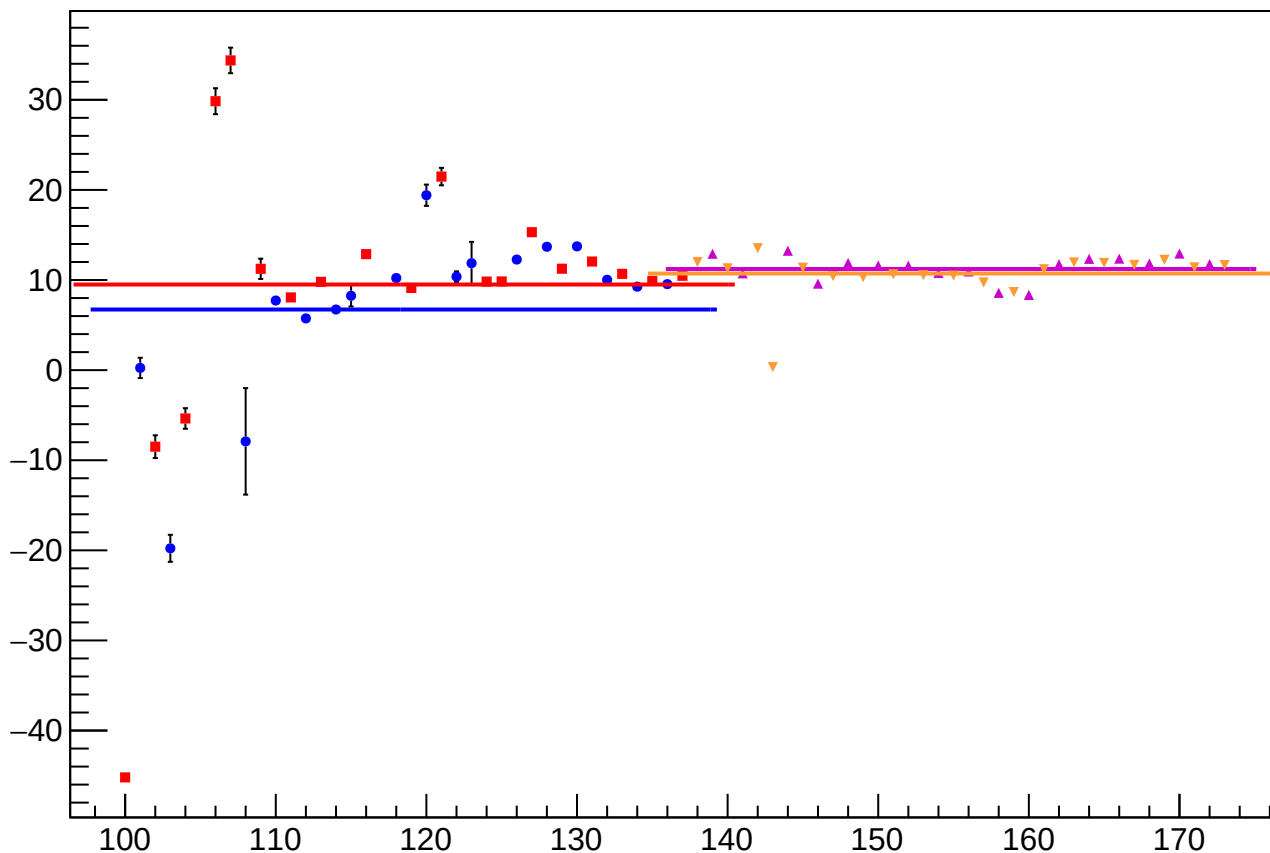
Right: -48.945 ± 0.000 χ^2/NDF : 5751523.0/35

In: -48.945 ± 0.000 χ^2/NDF : 9612188.2/33

Out: -18.850 ± 0.011 χ^2/NDF : 781259.9/37

All: -48.945 ± 0.000 χ^2/NDF : 17669074.7/71

dit_atl1_4aY_slope vs Slug, Sign Corrected



Right In: 6.728 ± 0.000 $\chi^2/\text{NDF}: 13749.2/16$

Left Out: 10.720 ± 0.014 $\chi^2/\text{NDF}: 25840.4/18$

Right Out: 9.502 ± 0.036 $\chi^2/\text{NDF}: 26822.1/18$

Left In: 11.223 ± 0.012 $\chi^2/\text{NDF}: 11924.4/16$

Left: 11.009 ± 0.009 $\chi^2/\text{NDF}: 38459.9/35$

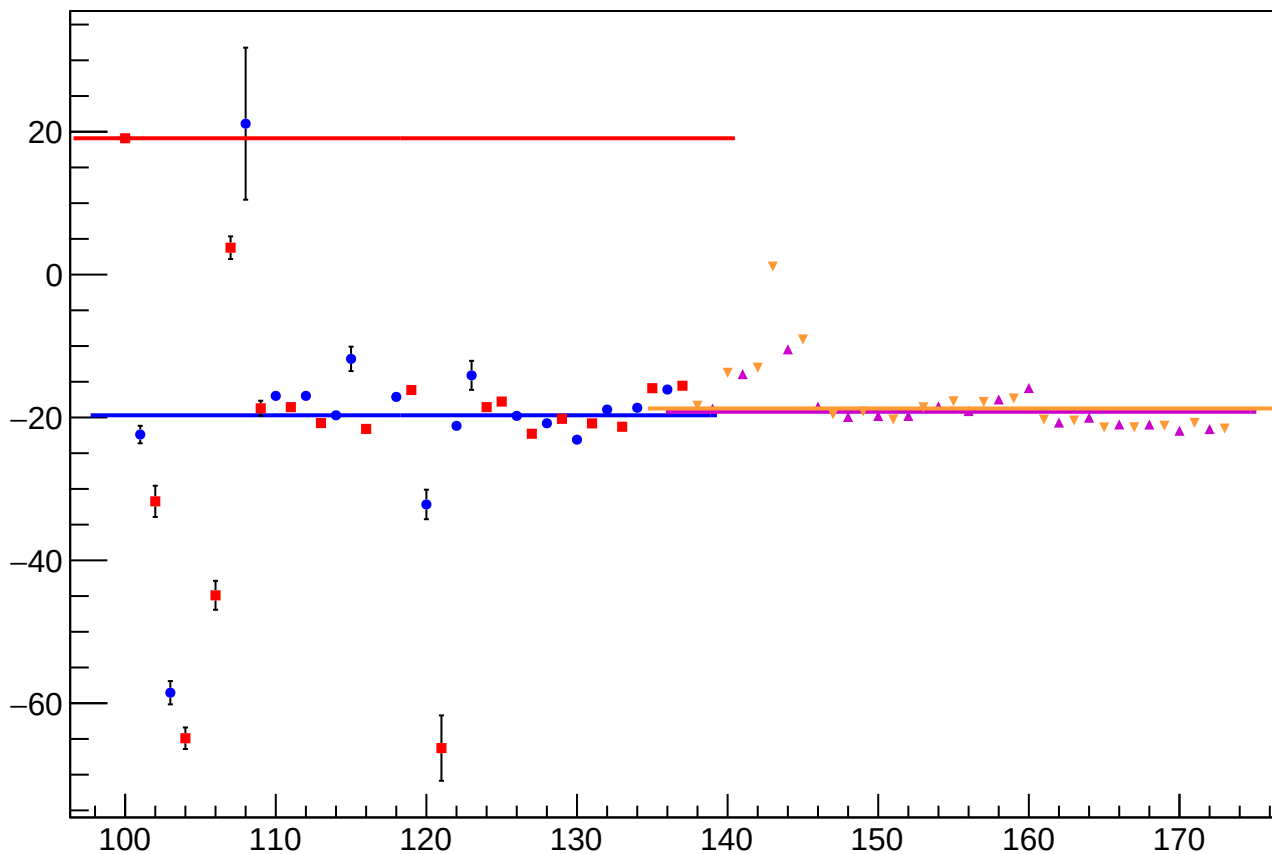
Right: 6.728 ± 0.000 $\chi^2/\text{NDF}: 46635.2/35$

In: 6.728 ± 0.000 $\chi^2/\text{NDF}: 156139.4/33$

Out: 10.547 ± 0.013 $\chi^2/\text{NDF}: 53665.4/37$

All: 6.728 ± 0.000 $\chi^2/\text{NDF}: 290768.4/71$

dit_atl1_4eY_slope vs Slug, Sign Corrected



Right In: -19.693 ± 0.000 χ^2/NDF : 7579.0/16

Left Out: -18.738 ± 0.017 χ^2/NDF : 49651.9/18

Right Out: 19.086 ± 0.000 χ^2/NDF : 610746.9/18

Left In: -19.201 ± 0.017 χ^2/NDF : 13547.4/16

Left: -18.965 ± 0.012 χ^2/NDF : 63563.2/35

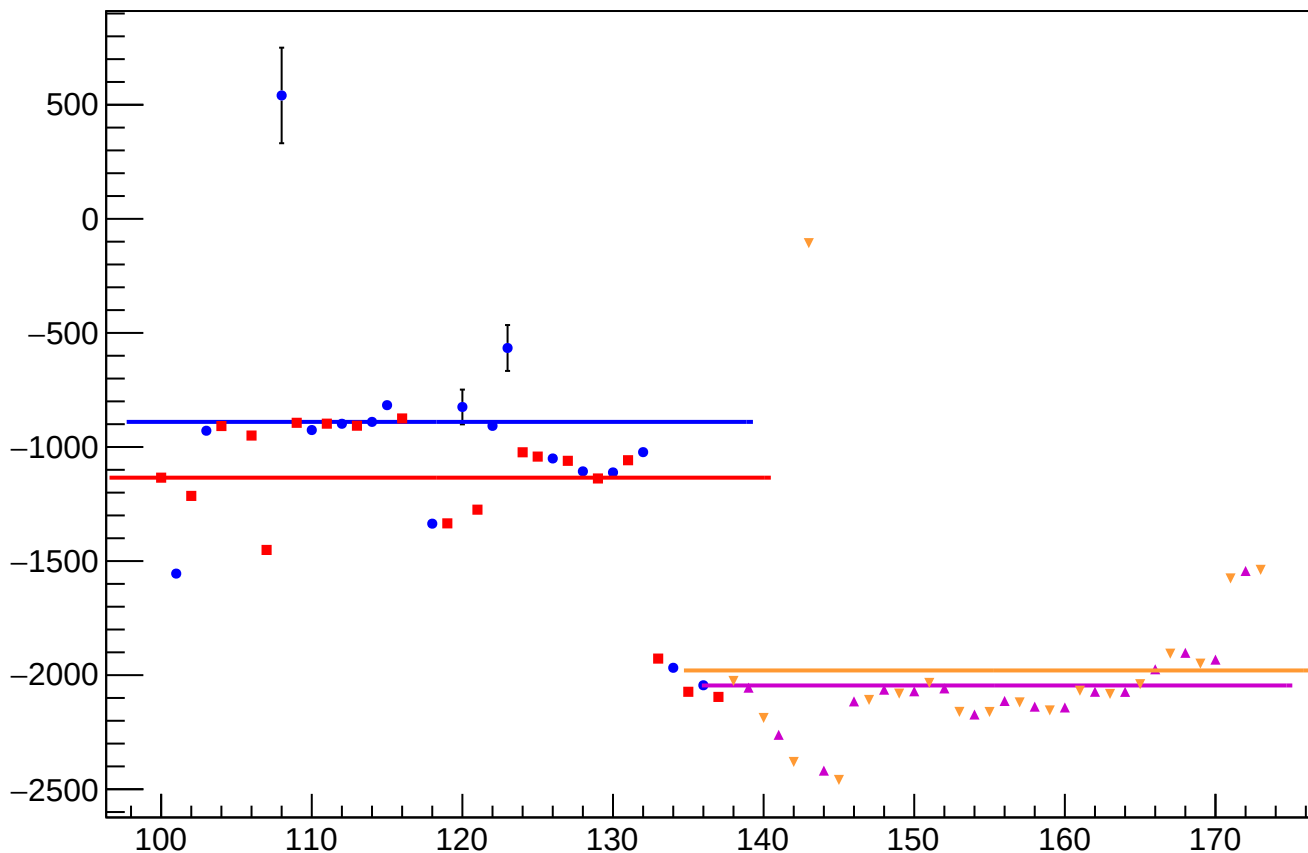
Right: -6.006 ± 0.000 χ^2/NDF : 4625637731292657

In: -19.693 ± 0.000 χ^2/NDF : 21934.0/33

Out: 19.086 ± 0.000 χ^2/NDF : 5595102.2/37

All: -6.006 ± 0.000 χ^2/NDF : 4625637731292

dit_atl2_4aX_slope vs Slug, Sign Corrected



Right In: -889.928+/-0.000 χ^2 /NDF: 775896.0/16

Left Out: -1979.428+/-0.391 χ^2 /NDF: 514707.4/18

Right Out: -1134.421+/-0.000 χ^2 /NDF: 733812.0/18

Left In: -2045.251+/-0.420 χ^2 /NDF: 205964.9/16

Left: -2009.941+/-0.286 χ^2 /NDF: 733827.3/35

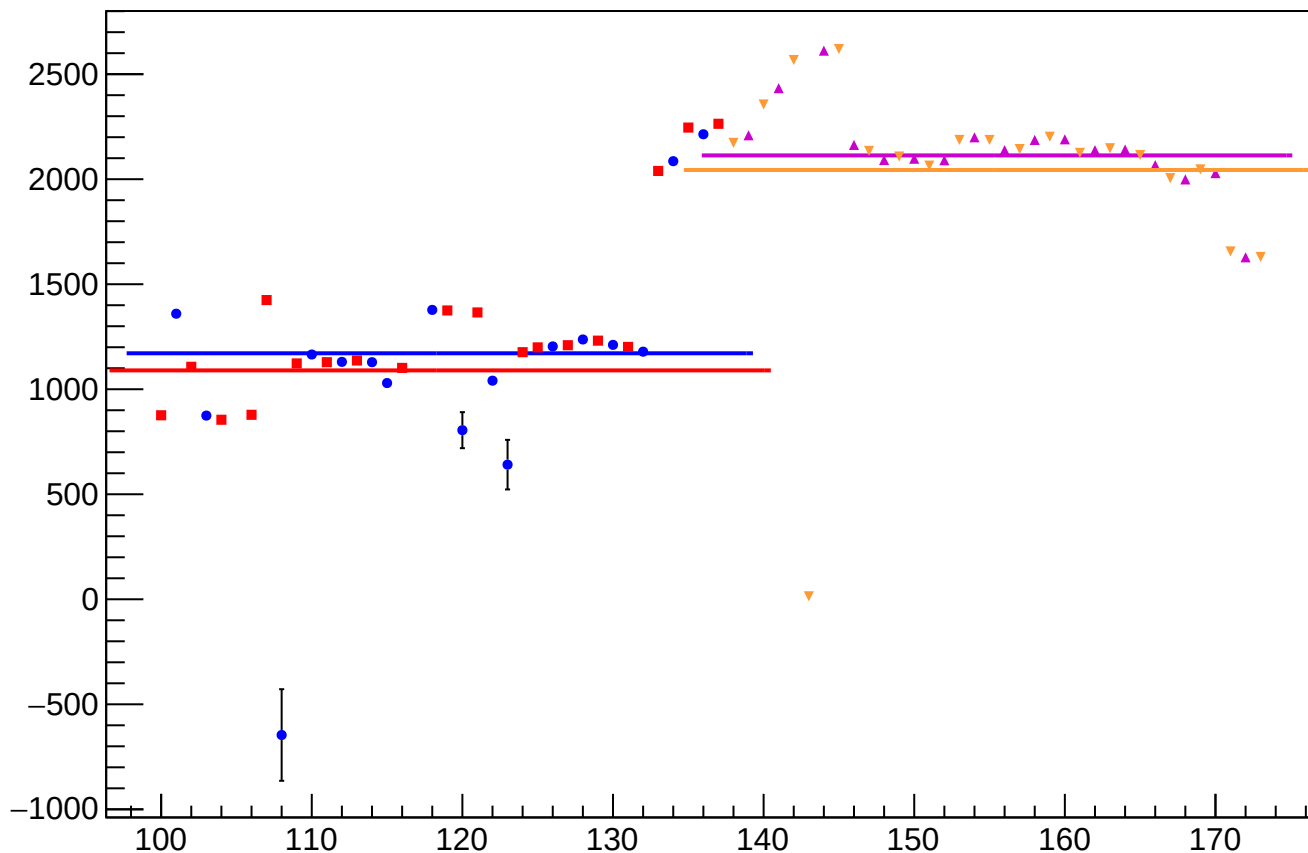
Right: -976.220+/-0.000 χ^2 /NDF: 44889787387498

In: -889.928+/-0.000 χ^2 /NDF: 8536889.7/33

Out: -1134.421+/-0.000 χ^2 /NDF: 5925389.0/37

All: -976.220+/-0.000 χ^2 /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: 2043.938 $\pm$ 0.391 χ^2 /NDF:510888.2/18

Right Out: 1089.705 $\pm$ 0.253 χ^2 /NDF: 1100321.6/18

Left In: 2113.308 $\pm$ 0.423 χ^2 /NDF:198259.9/16

Left: 2075.879 $\pm$ 0.287 χ^2 /NDF: 723644.7/35

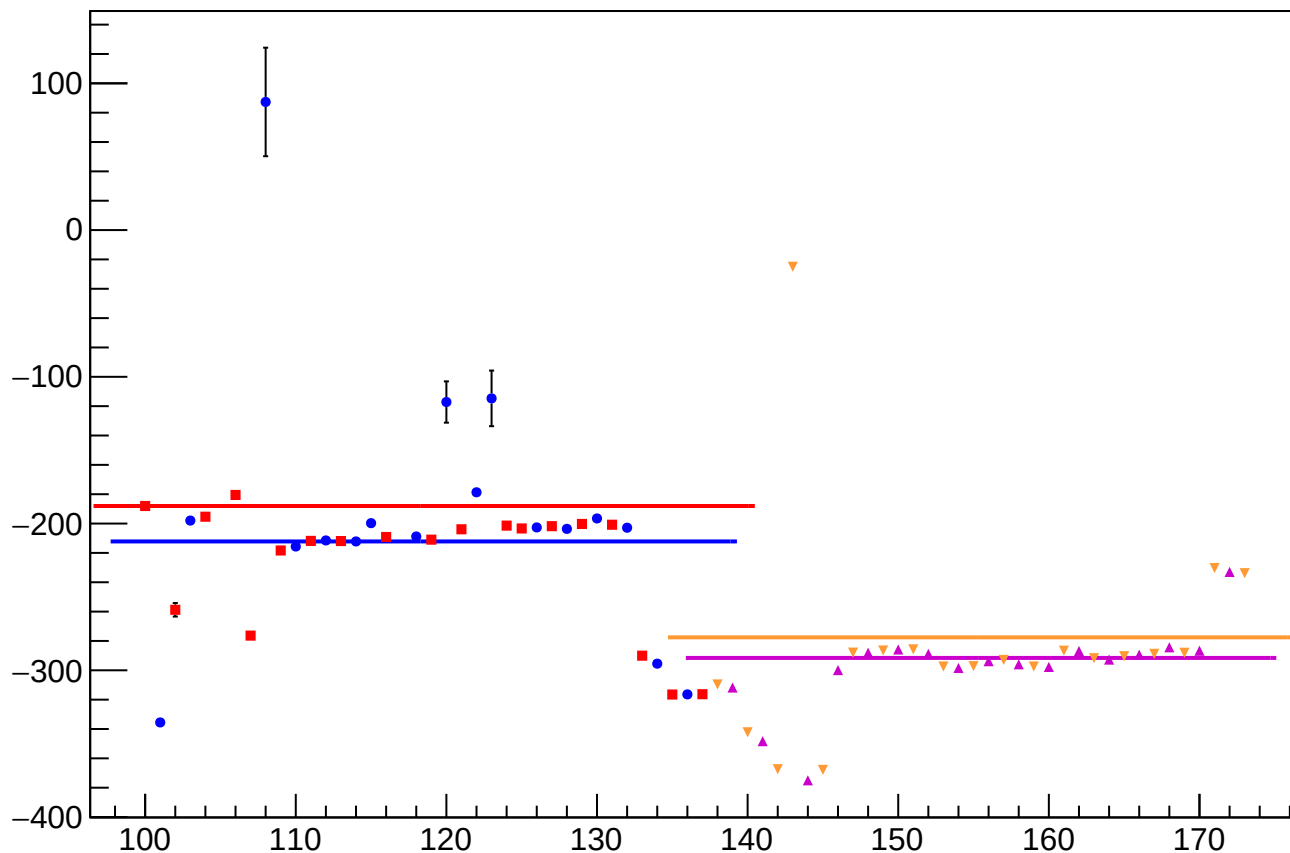
Right: 1131.764 $\pm$ 0.176 χ^2 /NDF: 1662665.0/35

In: 1408.208 $\pm$ 0.212 χ^2 /NDF:4416075.2/33

Out: 1372.066 $\pm$ 0.213 χ^2 /NDF:5805835.9/37

All: 1390.170 $\pm$ 0.150 χ^2 /NDF: 10236378.1/71

dit_atl2_11X12X_slope vs Slug, Sign Corrected



Right In: -212.190+/-0.000 χ^2 /NDF: 1149195.1/16

Left Out: -277.549+/-0.024 χ^2 /NDF: 6058608.6/18

Right Out: -188.033+/-0.000 χ^2 /NDF: 602264.3/18

Left In: -291.566+/-0.024 χ^2 /NDF: 722440.5/16

Left: -284.603+/-0.017 χ^2 /NDF: 6954729.5/35

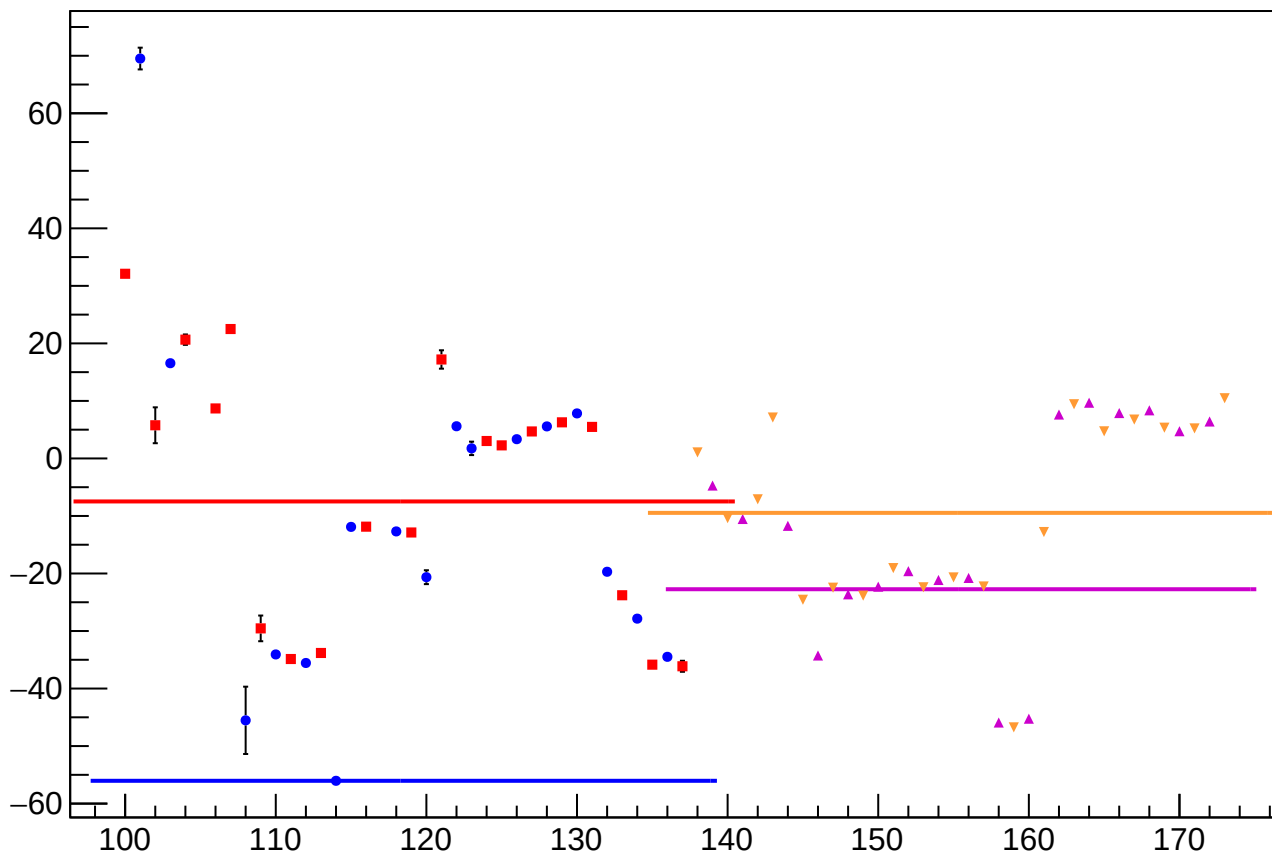
Right: -195.625+/-0.000 χ^2 /NDF: 13622303625661

In: -212.190+/-0.000 χ^2 /NDF: 13083343.6/33

Out: -188.033+/-0.000 χ^2 /NDF: 20737269.3/37

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: -9.461 ± 0.020 $\chi^2/\text{NDF}: 935688.0/18$

Right Out: -7.476 ± 0.042 $\chi^2/\text{NDF}: 173893.8/18$

Left In: -22.736 ± 0.023 $\chi^2/\text{NDF}: 729145.0/16$

Left: -15.210 ± 0.015 $\chi^2/\text{NDF}: 1859351.3/35$

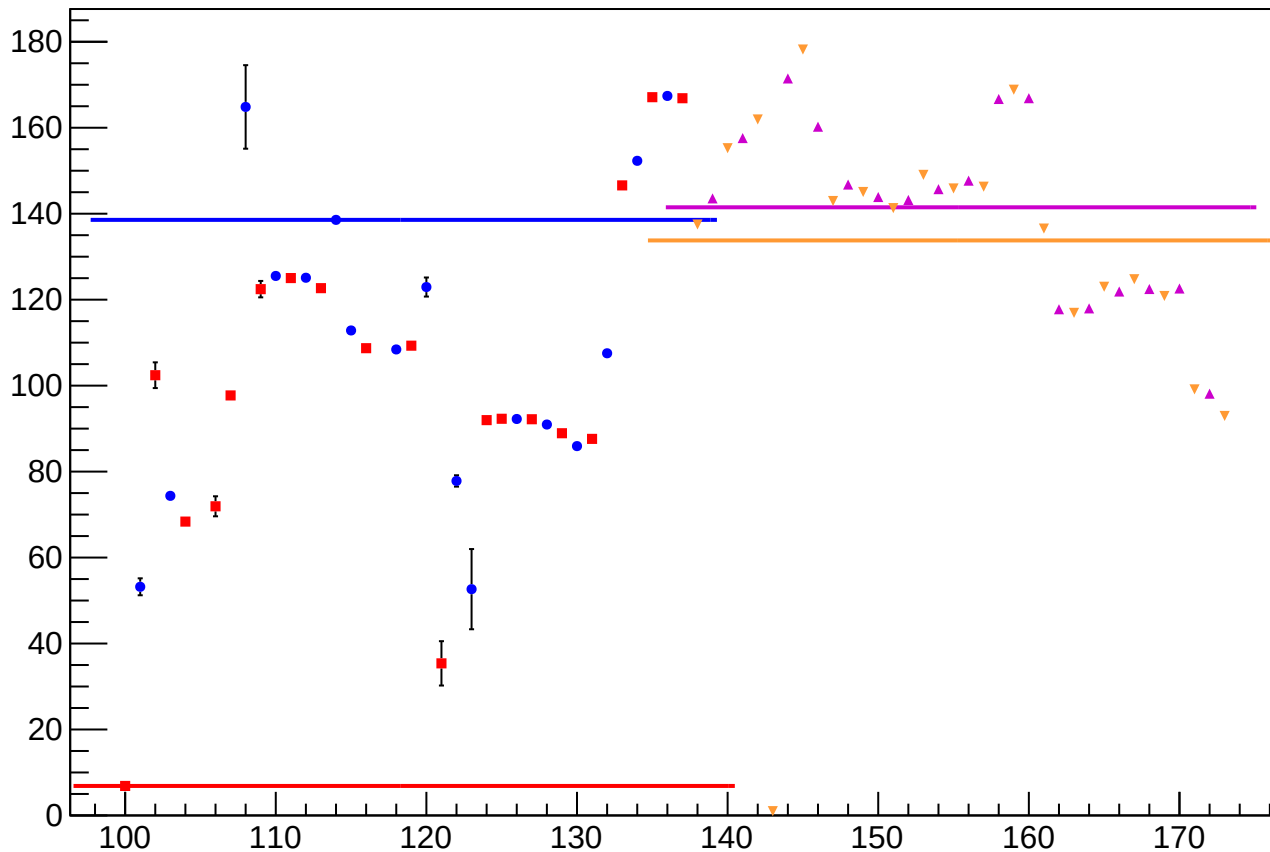
Right: -56.037 ± 0.000 $\chi^2/\text{NDF}: 3084882.3/35$

In: -56.037 ± 0.000 $\chi^2/\text{NDF}: 4473589.2/33$

Out: -9.102 ± 0.018 $\chi^2/\text{NDF}: 1111395.2/37$

All: -56.037 ± 0.000 $\chi^2/\text{NDF}: 12437180.8/71$

dit_atl2_4eY_slope vs Slug, Sign Corrected



Right In: 138.565 $\pm$ 0.000 χ^2 /NDF: 901159.7/16

Left Out: 133.782 $\pm$ 0.028 χ^2 /NDF: 775419.7/18

Right Out: 6.866 $\pm$ 0.000 χ^2 /NDF: 8047391.7/18

Left In: 141.489 $\pm$ 0.030 χ^2 /NDF: 379223.6/16

Left: 137.310 $\pm$ 0.020 χ^2 /NDF: 1190380.4/35

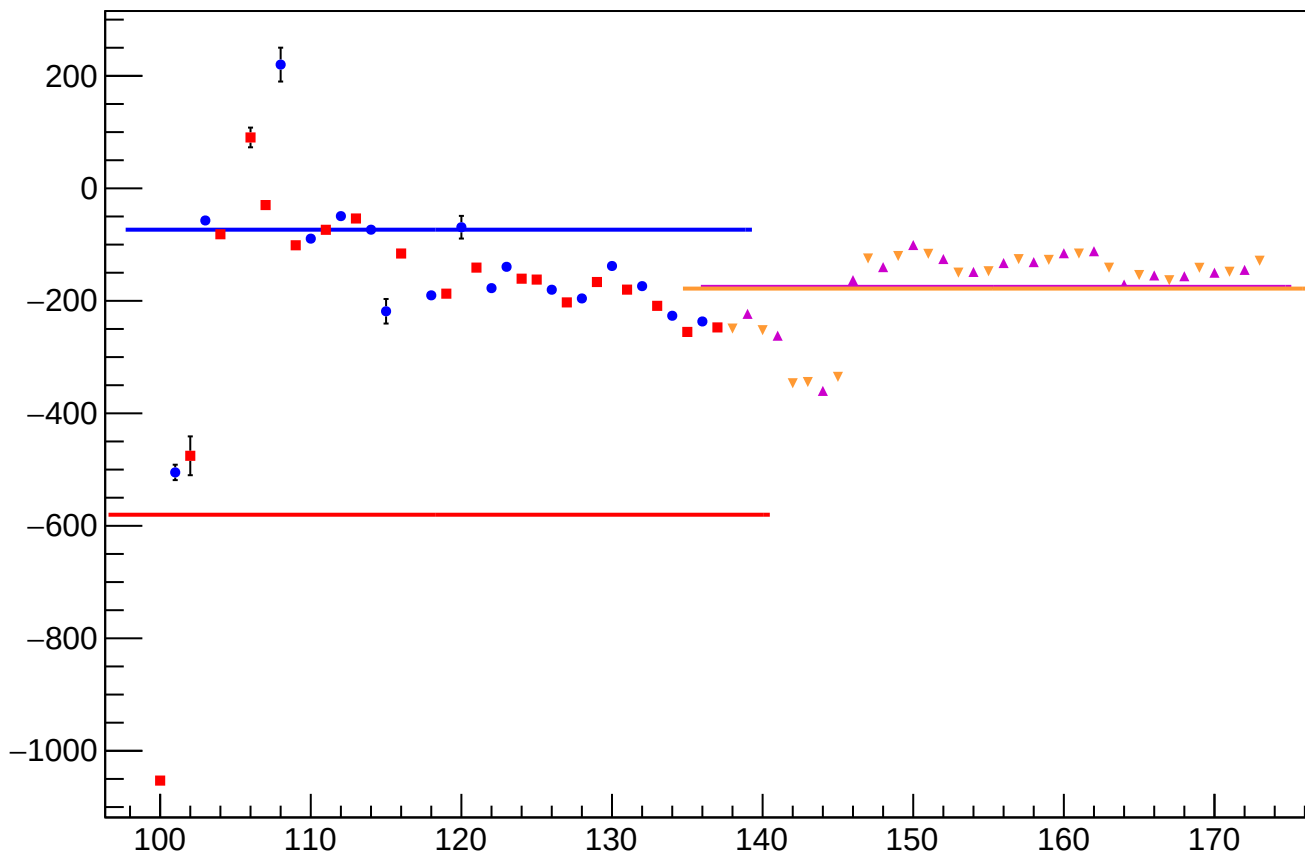
Right: 7.101 $\pm$ 0.000 χ^2 /NDF: 23576822681928678

In: 138.565 $\pm$ 0.000 χ^2 /NDF: 1289868.1/33

Out: 6.866 $\pm$ 0.000 χ^2 /NDF: 29988568.4/37

All: 7.101 $\pm$ 0.000 χ^2 /NDF: 23576822681928678

dit_atr1_4aX_slope vs Slug, Sign Corrected



Right In: -73.485 $\pm$ 0.000 χ^2/NDF : 98703.2/16

Left Out: -178.209 $\pm$ 0.262 χ^2/NDF : 71865.7/18

Right Out: -580.262 $\pm$ 0.261 χ^2/NDF : 3031609.5/18

Left In: -175.114 $\pm$ 0.286 χ^2/NDF : 63363.8/16

Left: -176.795 $\pm$ 0.193 χ^2/NDF : 135293.3/35

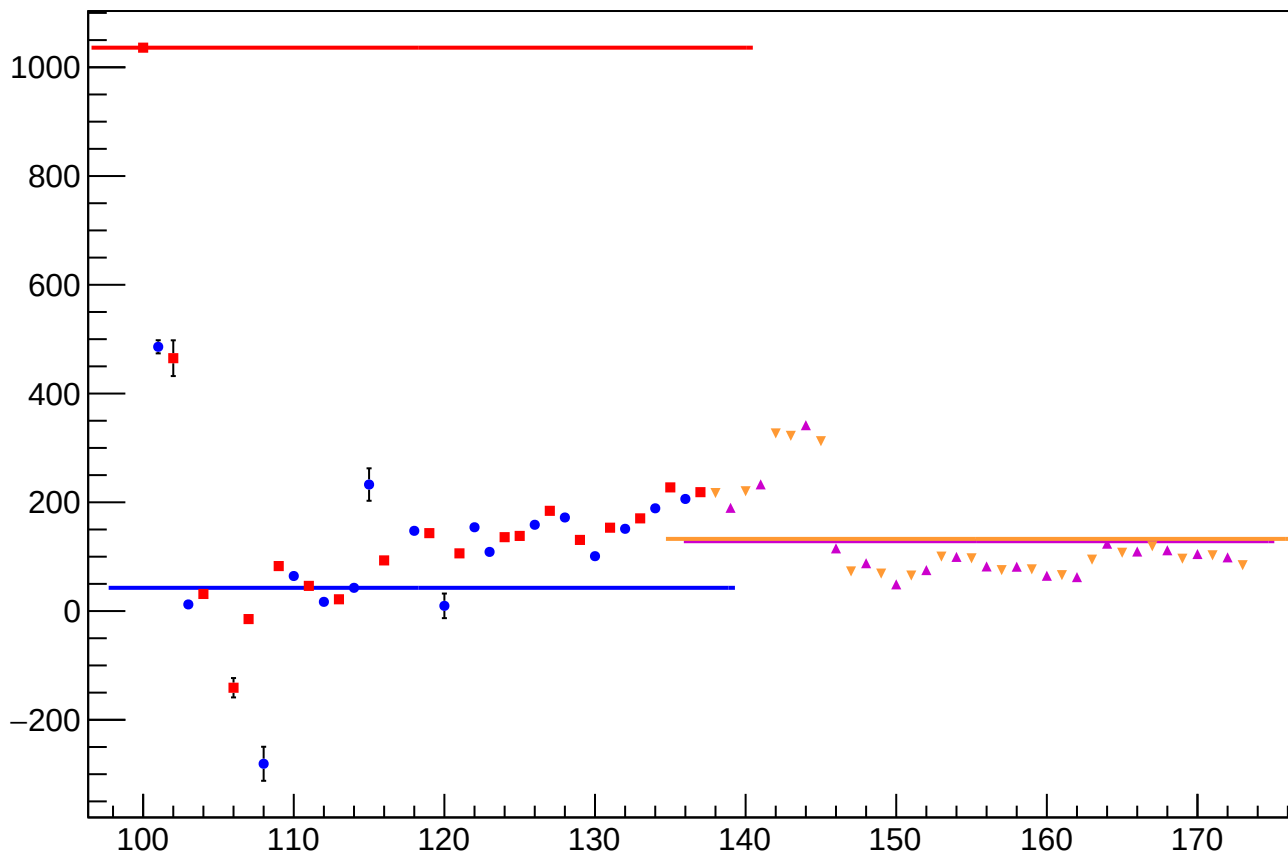
Right: -73.485 $\pm$ 0.000 χ^2/NDF : 6902096.9/35

In: -73.485 $\pm$ 0.000 χ^2/NDF : 288631.6/33

Out: -380.113 $\pm$ 0.185 χ^2/NDF : 4285294.4/37

All: -73.485 $\pm$ 0.000 χ^2/NDF : 7323558.2/71

dit_atr1_4eX_slope vs Slug, Sign Corrected



Right In: 42.743+/-0.000 χ^2/NDF : 84599.8/16

Left Out: 132.723+/-0.267 χ^2/NDF : 85888.1/18

Right Out: 1036.068+/-0.000 χ^2/NDF : 4933722.5/18

Left In: 128.442+/-0.291 χ^2/NDF : 72506.6/16

Left: 130.769+/-0.197 χ^2/NDF : 158512.1/35

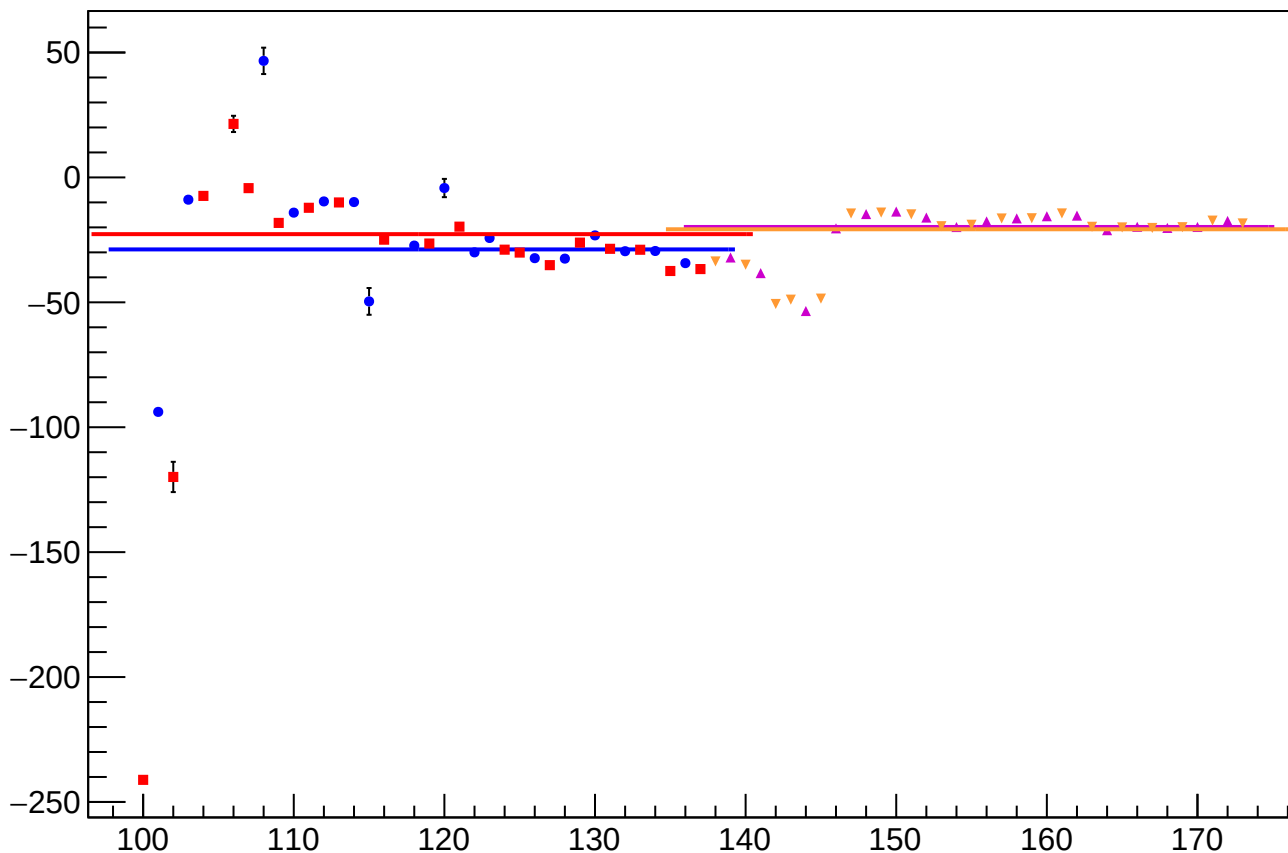
Right: 43.272+/-0.000 χ^2/NDF : 1144517497266833

In: 42.743+/-0.000 χ^2/NDF : 243630.2/33

Out: 1036.068+/-0.000 χ^2/NDF : 16470281.1/37

All: 43.272+/-0.000 χ^2/NDF : 1144517497266

dit_atr1_11X12X_slope vs Slug, Sign Corrected



Right In: -28.822 ± 0.035 χ^2/NDF : 49503.4/16

Left Out: -20.758 ± 0.014 χ^2/NDF : 350837.9/18

Right Out: -22.707 ± 0.038 χ^2/NDF : 410174.9/18

Left In: -19.838 ± 0.016 χ^2/NDF : 202292.0/16

Left: -20.363 ± 0.010 χ^2/NDF : 555045.1/35

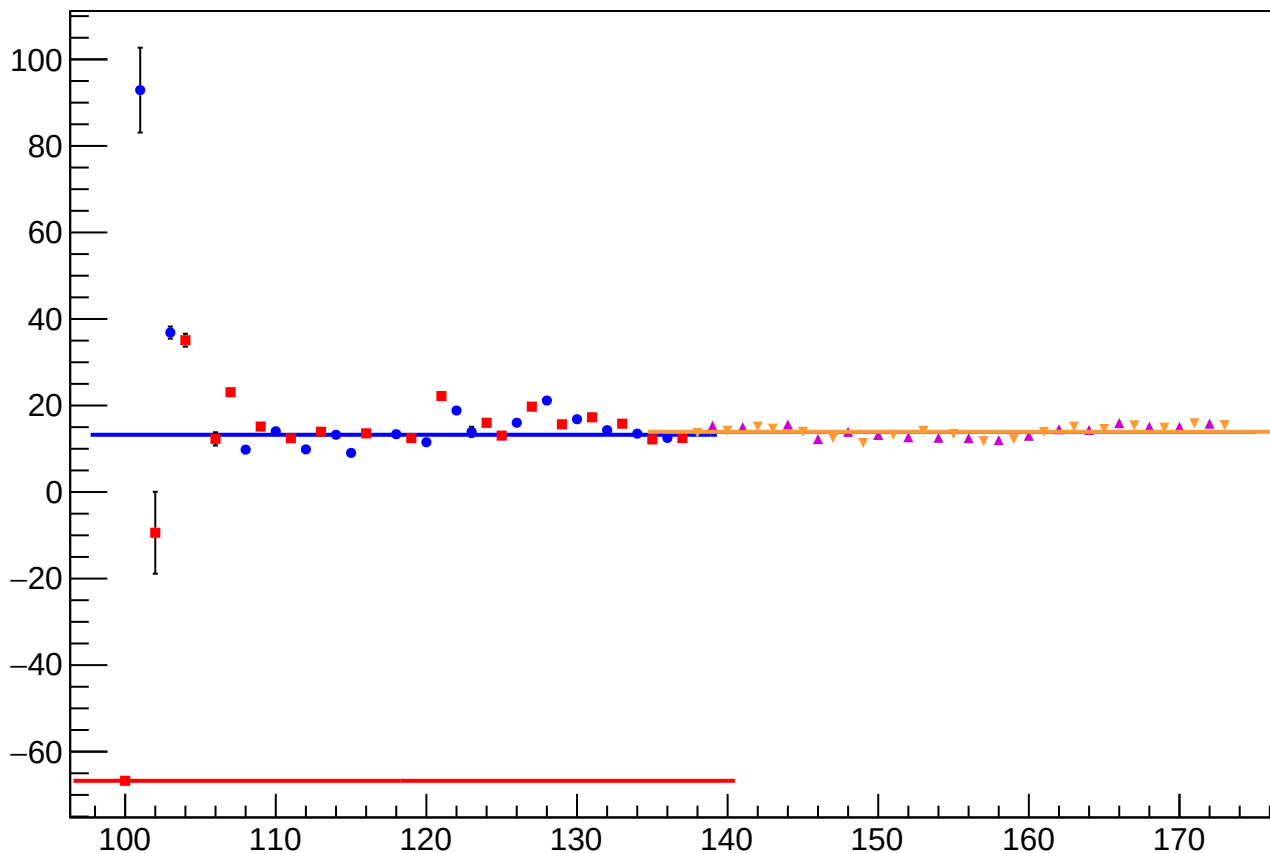
Right: -26.045 ± 0.026 χ^2/NDF : 473753.1/35

In: -21.391 ± 0.014 χ^2/NDF : 307118.8/33

Out: -20.984 ± 0.013 χ^2/NDF : 763327.9/37

All: -21.166 ± 0.010 χ^2/NDF : 1070887.1/71

dit_atr1_4aY_slope vs Slug, Sign Corrected



Right In: 13.238 ± 0.000 $\chi^2/\text{NDF}: 5756.1/16$

Left Out: 13.930 ± 0.013 $\chi^2/\text{NDF}: 8336.2/18$

Right Out: -66.739 ± 0.000 $\chi^2/\text{NDF}: 3023648.4/18$

Left In: 13.871 ± 0.014 $\chi^2/\text{NDF}: 7813.8/16$

Left: 13.903 ± 0.010 $\chi^2/\text{NDF}: 16159.0/35$

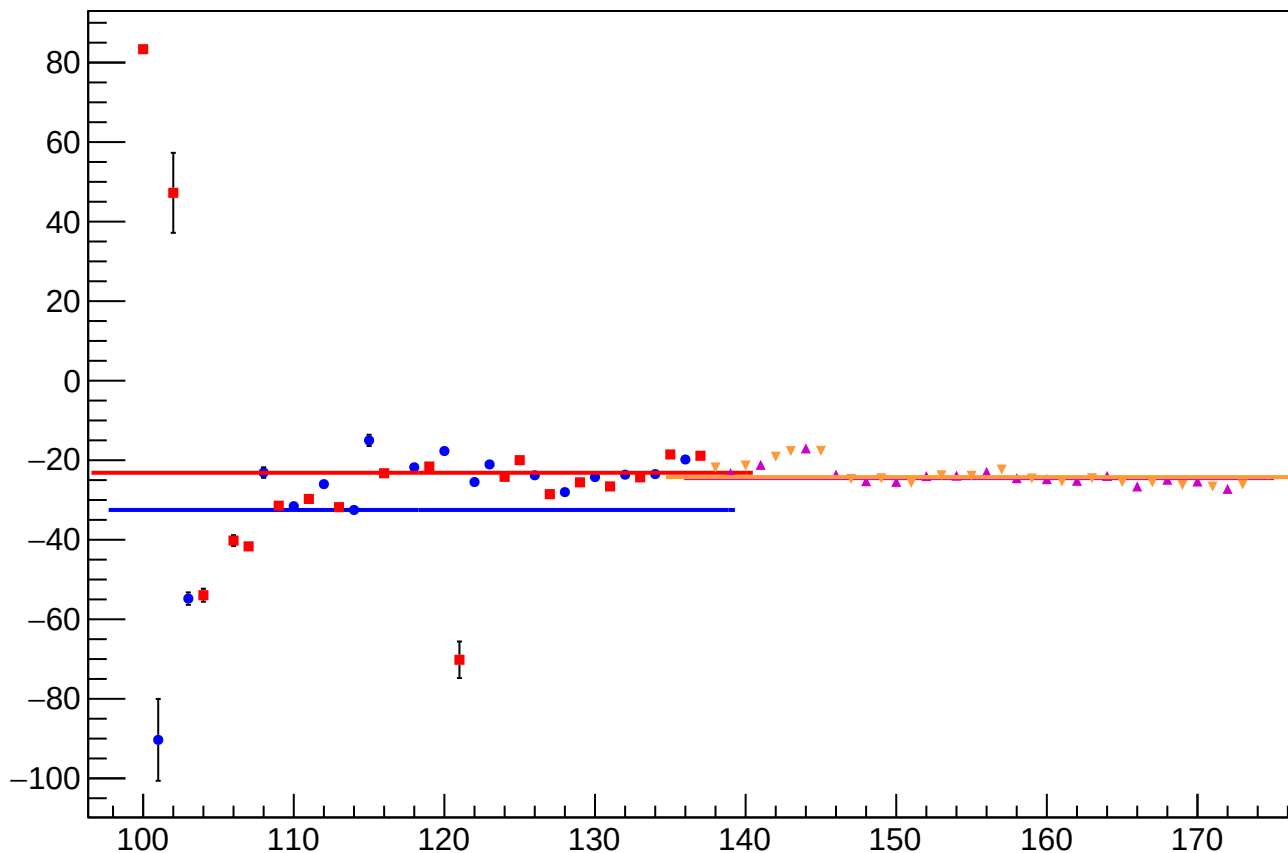
Right: 12.562 ± 0.000 $\chi^2/\text{NDF}: 1884310027651005$

In: 13.238 ± 0.000 $\chi^2/\text{NDF}: 15528.2/33$

Out: -66.739 ± 0.000 $\chi^2/\text{NDF}: 40345533.1/37$

All: 12.562 ± 0.000 $\chi^2/\text{NDF}: 1884310027651$

dit_atr1_4eY_slope vs Slug, Sign Corrected



Right In: -32.504 ± 0.000 χ^2/NDF : 74187.4/16

Left Out: -24.241 ± 0.017 χ^2/NDF : 19001.5/18

Right Out: -23.151 ± 0.048 χ^2/NDF : 90749.4/18

Left In: -24.501 ± 0.017 χ^2/NDF : 9622.9/16

Left: -24.372 ± 0.012 χ^2/NDF : 28736.8/35

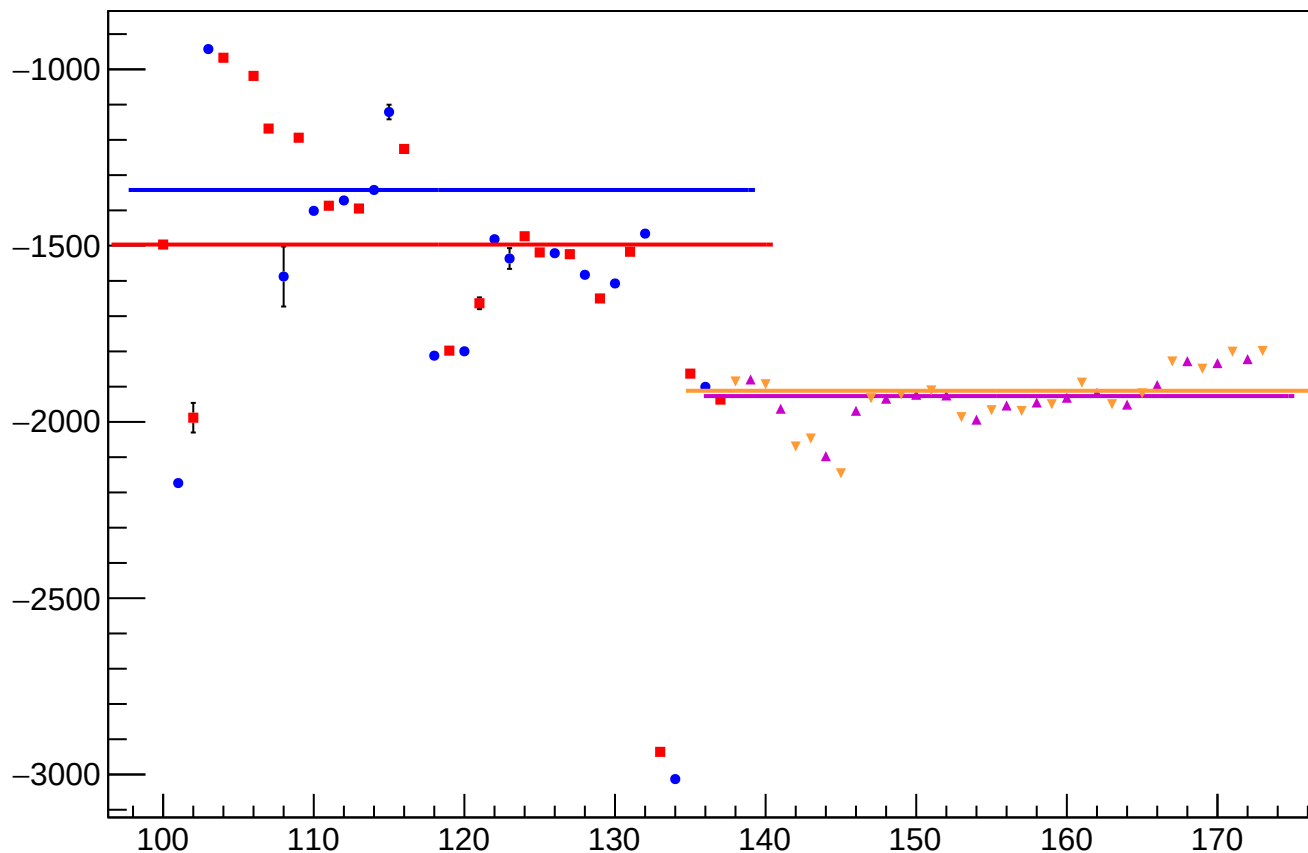
Right: -32.504 ± 0.000 χ^2/NDF : 203519.3/35

In: -32.504 ± 0.000 χ^2/NDF : 298891.5/33

Out: -24.112 ± 0.016 χ^2/NDF : 110213.0/37

All: -32.504 ± 0.000 χ^2/NDF : 671999.8/71

dit_atr2_4aX_slope vs Slug, Sign Corrected



Right In: -1342.107 $\pm$ 0.000 χ^2 /NDF: 370901.4/16

Left Out: -1911.605 $\pm$ 0.346 χ^2 /NDF:49771.8/18

Right Out: -1496.932 $\pm$ 0.000 χ^2 /NDF: 504712.5/18

Left In: -1926.700 $\pm$ 0.317 χ^2 /NDF:32044.8/16

Left: -1919.809 $\pm$ 0.234 χ^2 /NDF: 82849.6/35

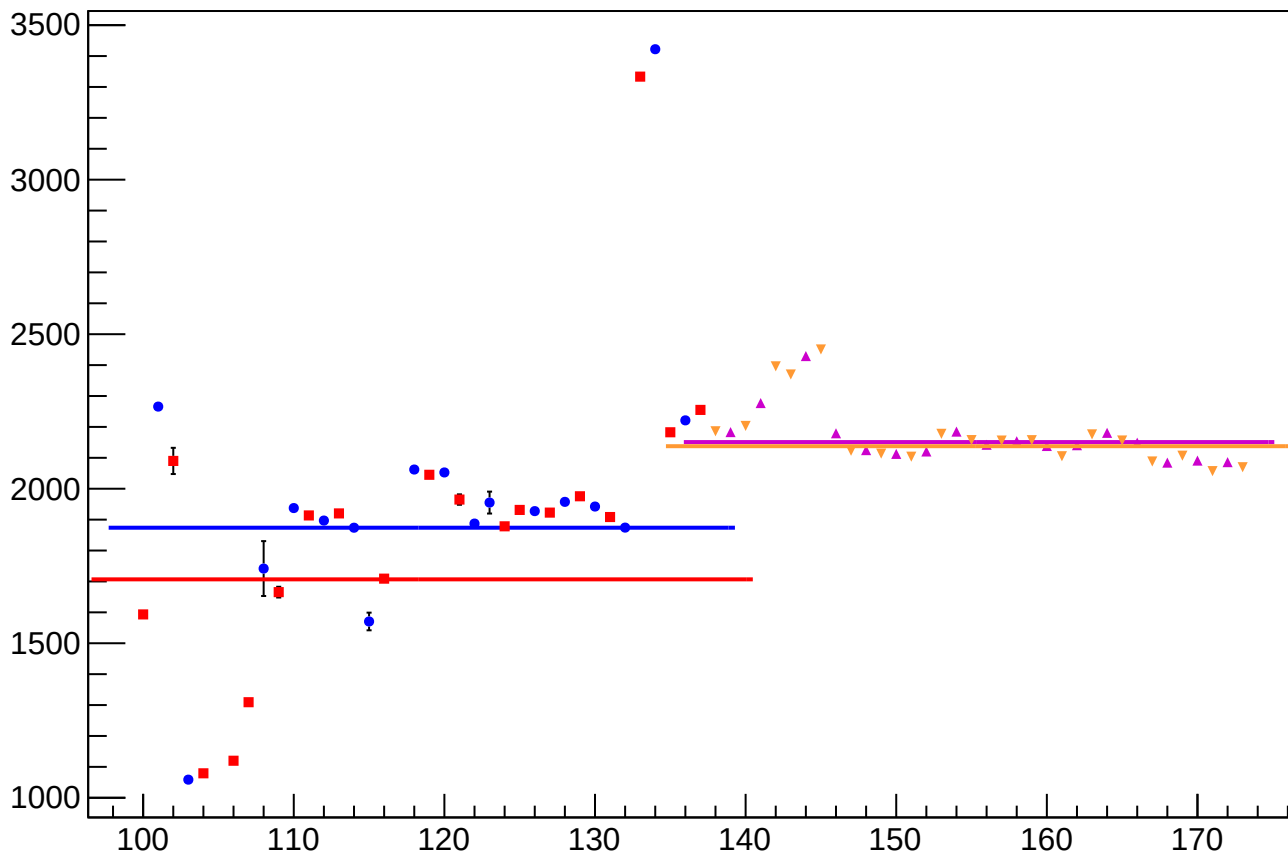
Right: -1396.751 $\pm$ 0.000 χ^2 /NDF: 1800086126763

In: -1342.107 $\pm$ 0.000 χ^2 /NDF:3796848.6/33

Out: -1496.932 $\pm$ 0.000 χ^2 /NDF:1988890.4/37

All: -1396.751 $\pm$ 0.000 χ^2 /NDF: 1800086126

dit_atr2_4eX_slope vs Slug, Sign Corrected



Right In: 1873.852 ± 0.000 $\chi^2/\text{NDF}: 201563.9/16$

Left Out: 2137.591 ± 0.350 $\chi^2/\text{NDF}: 41440.6/18$

Right Out: 1706.739 ± 0.302 $\chi^2/\text{NDF}: 837936.9/18$

Left In: 2150.927 ± 0.317 $\chi^2/\text{NDF}: 43316.2/16$

Left: 2144.906 ± 0.235 $\chi^2/\text{NDF}: 85555.4/35$

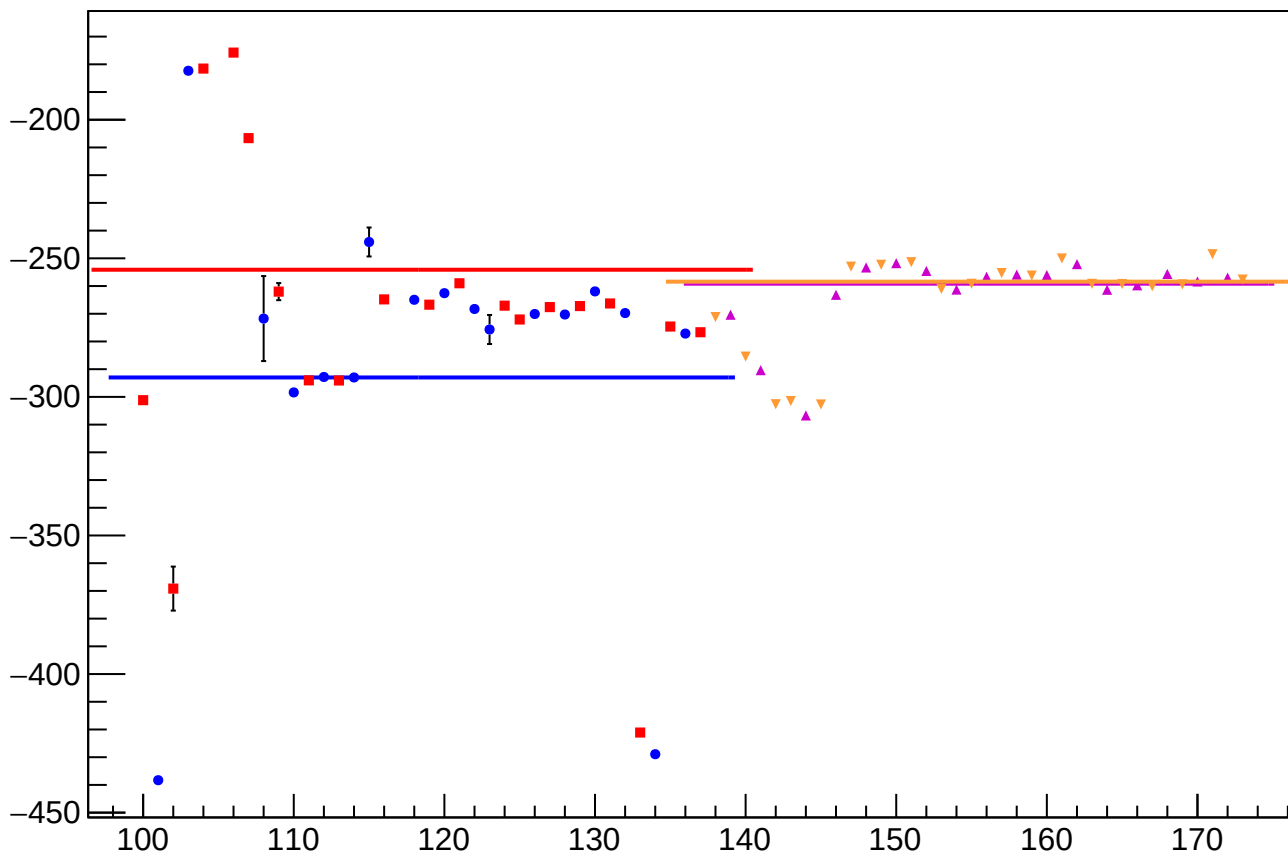
Right: 1873.852 ± 0.000 $\chi^2/\text{NDF}: 1344906.8/35$

In: 1873.852 ± 0.000 $\chi^2/\text{NDF}: 1008337.2/33$

Out: 1891.173 ± 0.229 $\chi^2/\text{NDF}: 1748390.1/37$

All: 1873.852 ± 0.000 $\chi^2/\text{NDF}: 2762463.9/71$

dit_atr2_11X12X_slope vs Slug, Sign Corrected



Right In: -292.986 ± 0.000 $\chi^2/\text{NDF}: 1015592.4/16$

Left Out: -258.420 ± 0.021 $\chi^2/\text{NDF}: 213787.4/18$

Right Out: -254.119 ± 0.059 $\chi^2/\text{NDF}: 502658.5/18$

Left In: -259.157 ± 0.019 $\chi^2/\text{NDF}: 249906.7/16$

Left: -258.835 ± 0.014 $\chi^2/\text{NDF}: 464356.8/35$

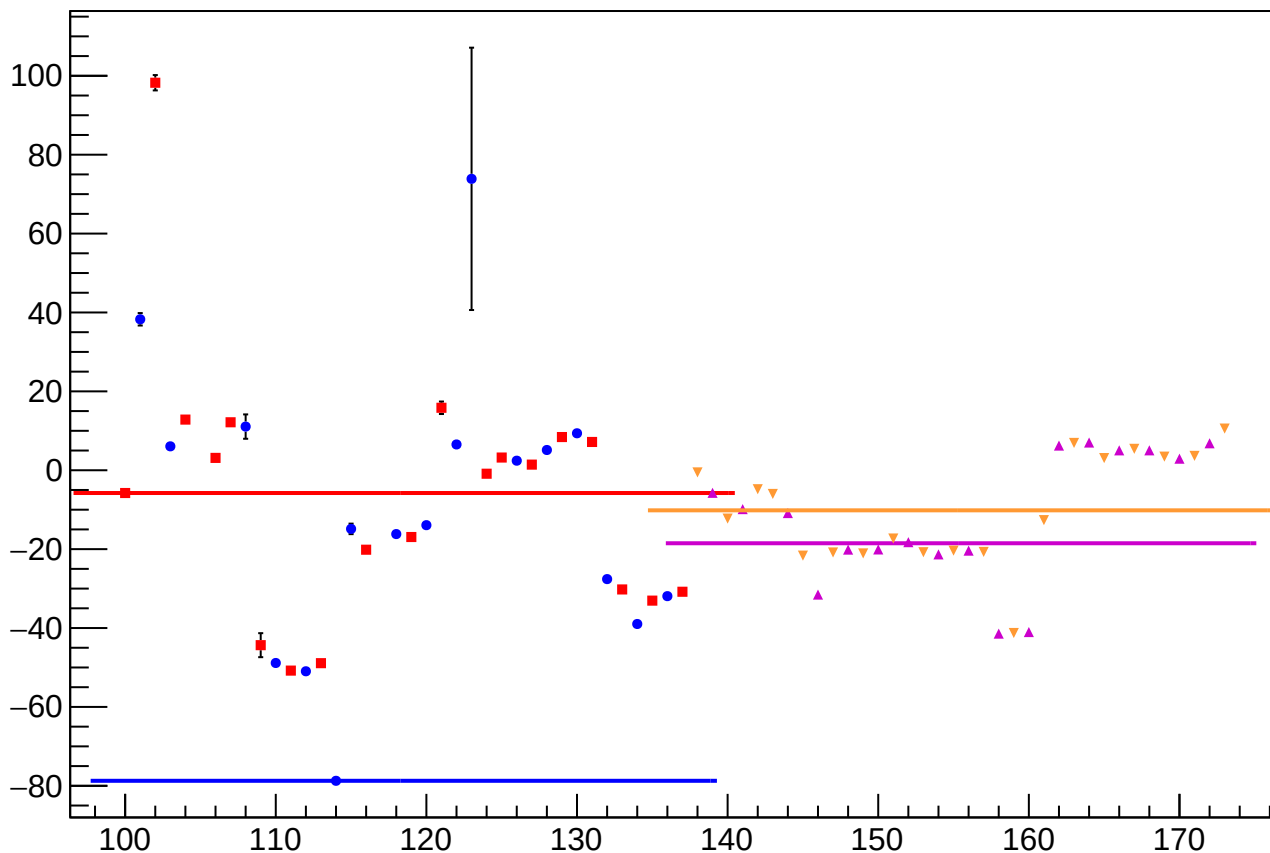
Right: -292.986 ± 0.000 $\chi^2/\text{NDF}: 1952225.7/35$

In: -292.986 ± 0.000 $\chi^2/\text{NDF}: 4466040.3/33$

Out: -257.917 ± 0.020 $\chi^2/\text{NDF}: 721139.9/37$

All: -292.986 ± 0.000 $\chi^2/\text{NDF}: 8209437.2/71$

dit_atr2_4aY_slope vs Slug, Sign Corrected



Right In: -78.728 ± 0.000 χ^2/NDF : 1399088.3/16

Left Out: -10.160 ± 0.019 χ^2/NDF : 773084.0/18

Right Out: -5.769 ± 0.000 χ^2/NDF : 111570.1/18

Left In: -18.507 ± 0.018 χ^2/NDF : 784679.4/16

Left: -14.453 ± 0.013 χ^2/NDF : 1658373.9/35

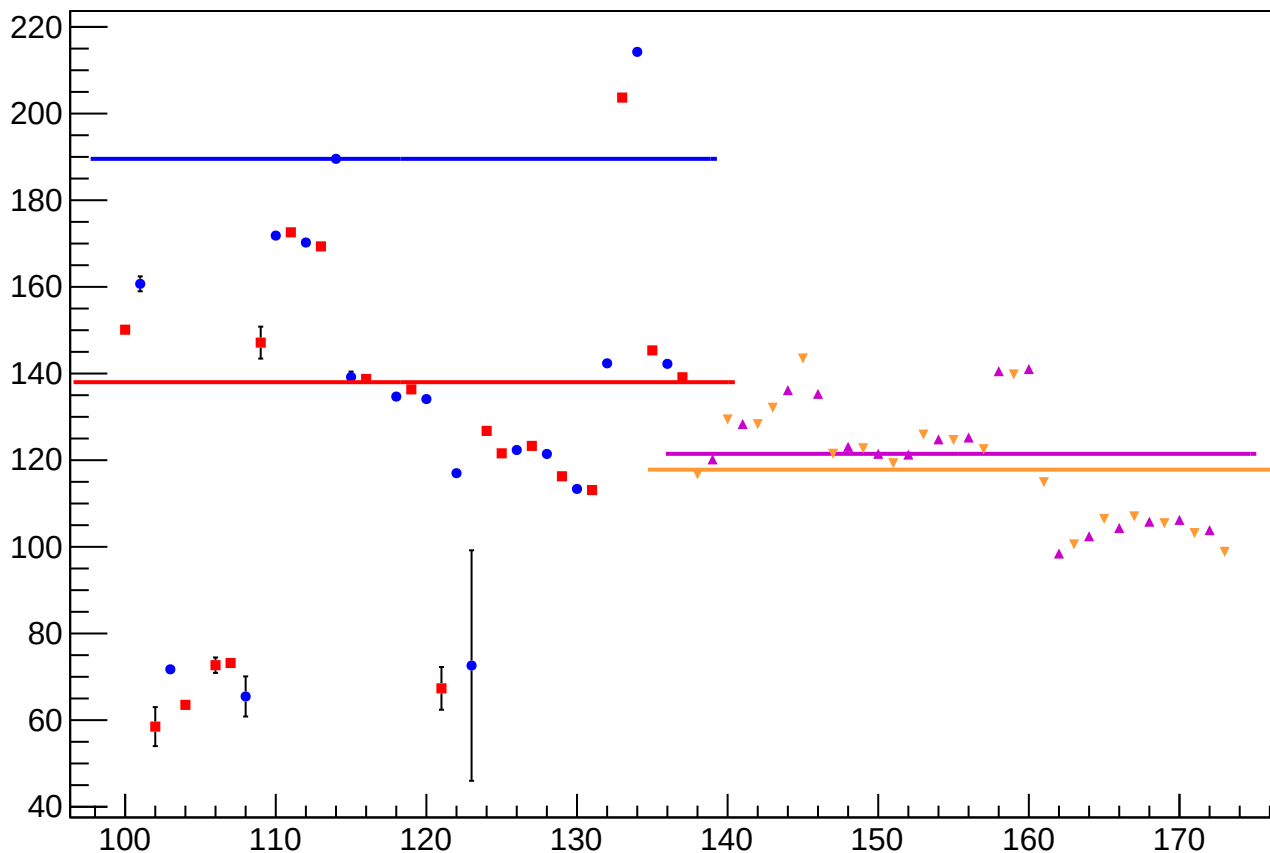
Right: -6.288 ± 0.000 χ^2/NDF : 2878797679293380

In: -78.728 ± 0.000 χ^2/NDF : 12968500.4/33

Out: -5.769 ± 0.000 χ^2/NDF : 938792.6/37

All: -6.288 ± 0.000 χ^2/NDF : 2878797679293

dit_atr2_4eY_slope vs Slug, Sign Corrected



Right In: 189.551 ± 0.000 χ^2/NDF : 927391.8/16

Left Out: 117.811 ± 0.024 χ^2/NDF : 259953.0/18

Right Out: 138.002 ± 0.059 χ^2/NDF : 117357.8/18

Left In: 121.466 ± 0.026 χ^2/NDF : 243225.1/16

Left: 119.496 ± 0.018 χ^2/NDF : 513843.4/35

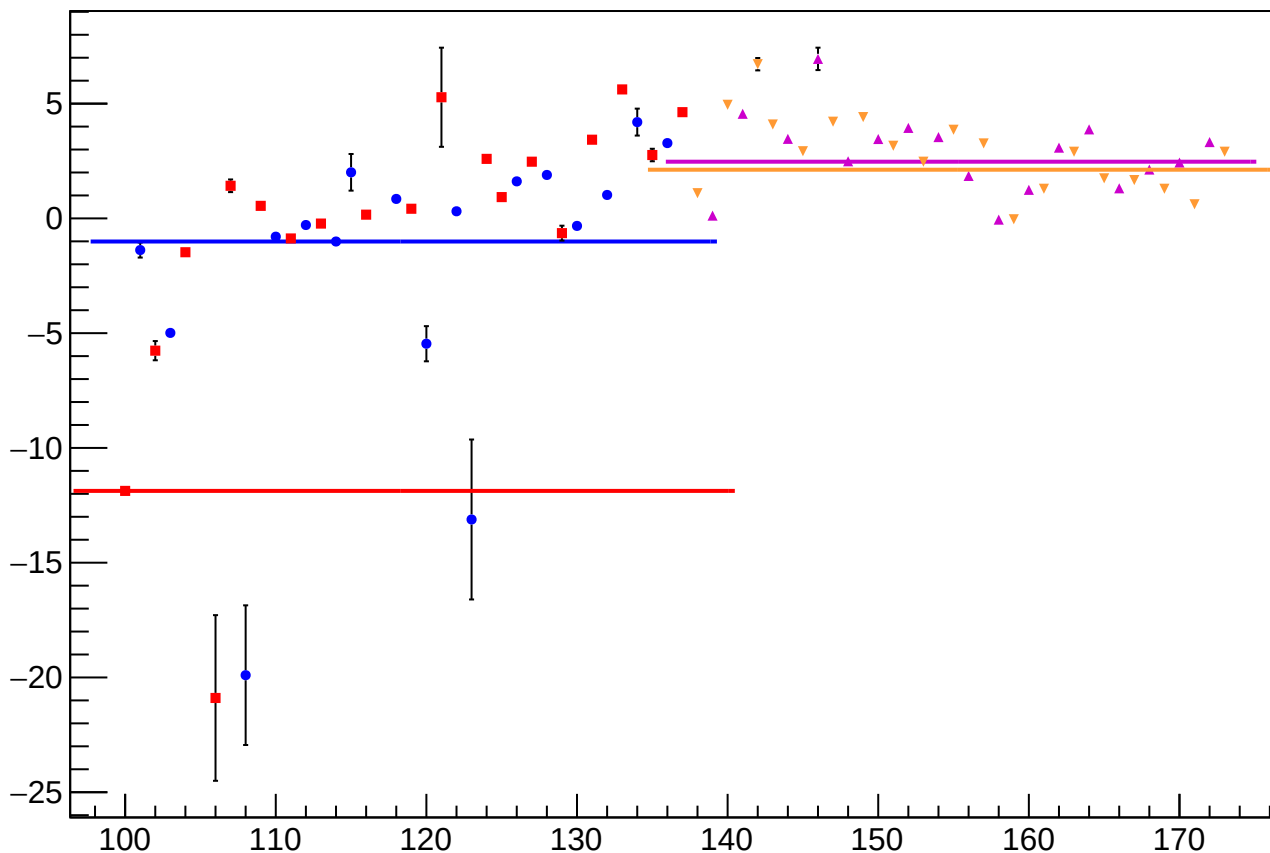
Right: 189.551 ± 0.000 χ^2/NDF : 1806450.5/35

In: 189.551 ± 0.000 χ^2/NDF : 8036052.3/33

Out: 120.678 ± 0.022 χ^2/NDF : 477570.3/37

All: 189.551 ± 0.000 χ^2/NDF : 18087419.2/73

dit_sam1_4aX_slope vs Slug, Sign Corrected



Right In: -1.007 ± 0.000 χ^2/NDF : 7057.7/16

Left Out: 2.121 ± 0.018 χ^2/NDF : 5907.3/18

Right Out: -11.872 ± 0.000 χ^2/NDF : 503632.2/18

Left In: 2.470 ± 0.017 χ^2/NDF : 6512.0/16

Left: 2.312 ± 0.012 χ^2/NDF : 12618.1/35

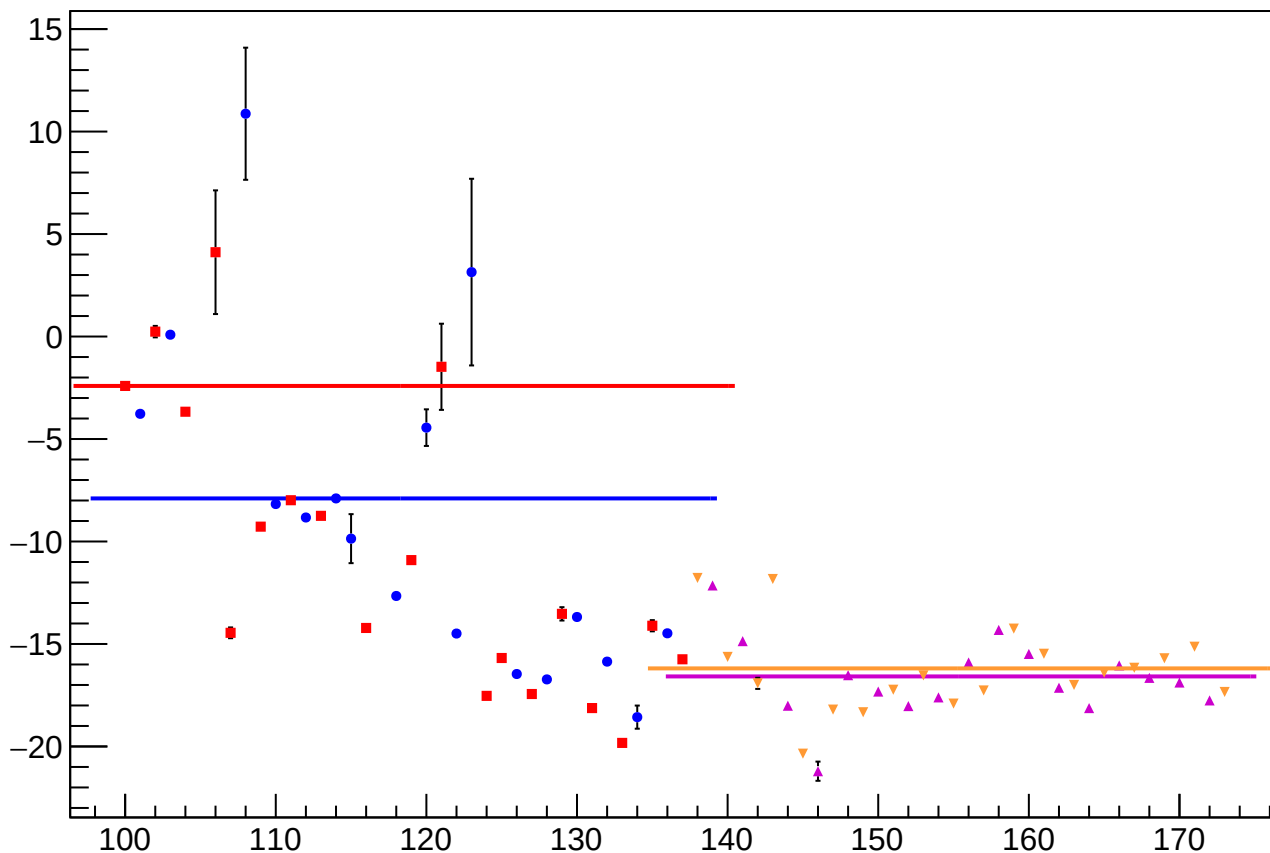
Right: -1.365 ± 0.000 χ^2/NDF : 2170760676638215

In: -1.007 ± 0.000 χ^2/NDF : 57128.5/33

Out: -11.872 ± 0.000 χ^2/NDF : 1091344.8/37

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: -16.191+/-0.018 χ^2/NDF : 6787.6/18

Right Out: -2.410+/-0.000 χ^2/NDF : 203043.8/18

Left In: -16.583+/-0.017 χ^2/NDF : 5516.0/16

Left: -16.396+/-0.013 χ^2/NDF : 12547.7/35

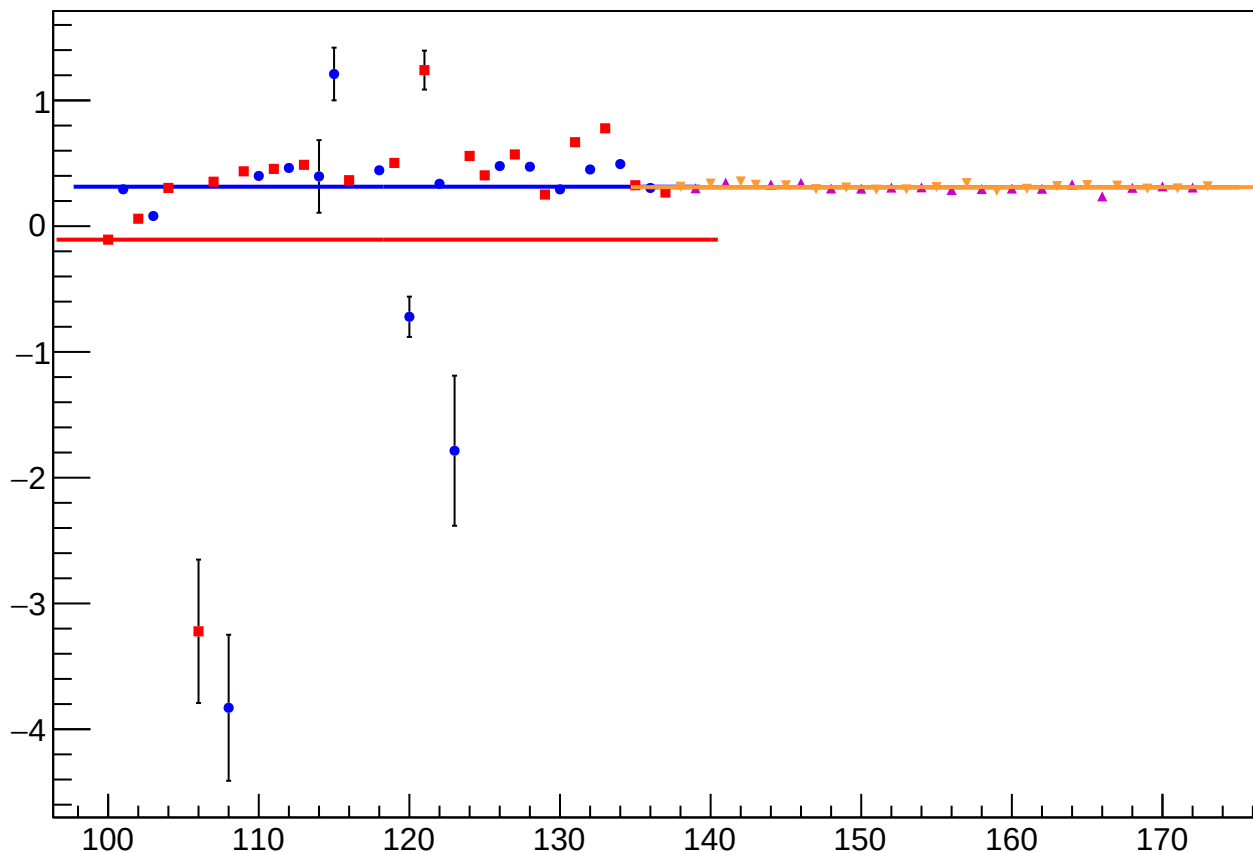
Right: -4.135+/-0.000 χ^2/NDF : 2879850560728951

In: -7.899+/-0.000 χ^2/NDF : 297608.7/33

Out: -2.410+/-0.000 χ^2/NDF : 787393.7/37

All: -4.135+/-0.000 χ^2/NDF : 2879850560728

dit_sam1_11X12X_slope vs Slug, Sign Corrected



Right In: 0.314+/-0.001 χ^2/NDF : 2748.0/16

Left Out: 0.310+/-0.000 χ^2/NDF : 4256.1/18

Right Out: -0.107+/-0.000 χ^2/NDF : 219932.8/18

Left In: 0.309+/-0.000 χ^2/NDF : 2711.3/16

Left: 0.310+/-0.000 χ^2/NDF : 6982.1/35

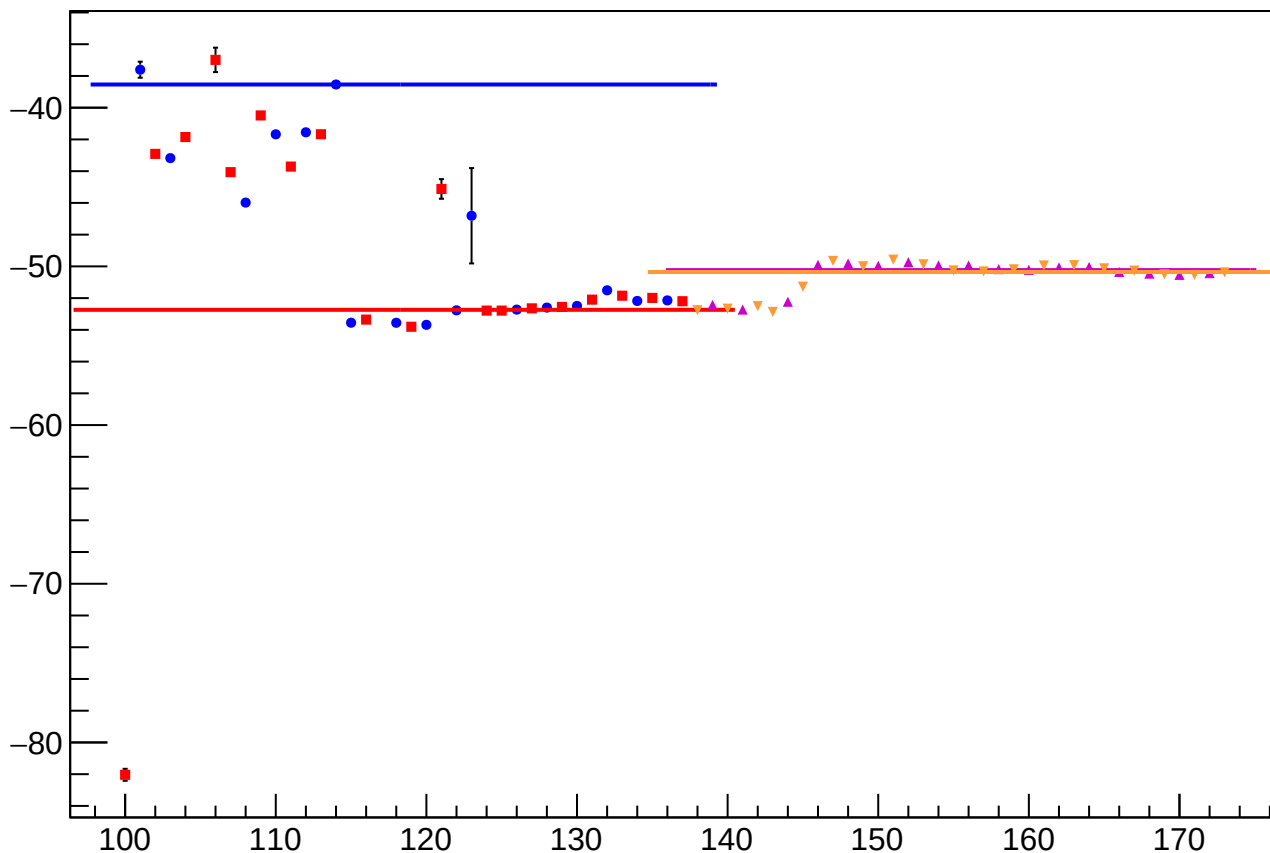
Right: -0.107+/-0.000 χ^2/NDF : 409026.8/35

In: 0.309+/-0.000 χ^2/NDF : 5483.1/33

Out: -0.107+/-0.000 χ^2/NDF : 3000361.1/37

All: -0.107+/-0.000 χ^2/NDF : 5652813.3/71

dit_sam1_4aY_slope vs Slug, Sign Corrected



Right In: -38.539 ± 0.000 χ^2/NDF : 14950854.6/16

Left Out: -50.354 ± 0.001 χ^2/NDF : 254144.2/18

Right Out: -52.737 ± 0.002 χ^2/NDF : 87430.2/18

Left In: -50.235 ± 0.001 χ^2/NDF : 166374.4/16

Left: -50.288 ± 0.001 χ^2/NDF : 424238.5/35

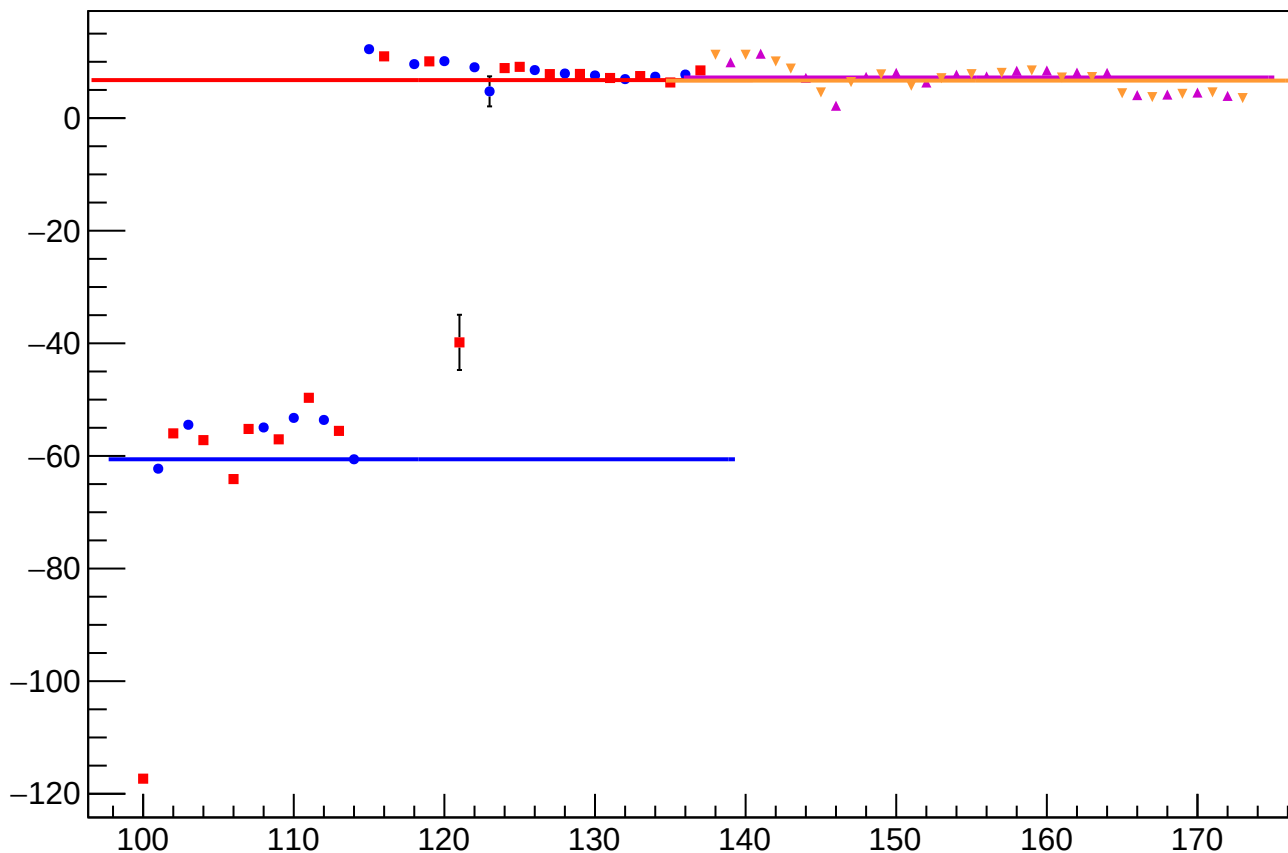
Right: -38.539 ± 0.000 χ^2/NDF : 72100834.2/35

In: -38.539 ± 0.000 χ^2/NDF : 95300537.8/33

Out: -51.246 ± 0.001 χ^2/NDF : 1347048.0/37

All: -38.539 ± 0.000 χ^2/NDF : 218713568.8/7

dit_sam1_4eY_slope vs Slug, Sign Corrected



Right In: -60.594 $\pm$ 0.000 χ^2 /NDF: 26122838.1/16

Left Out: 6.661 $\pm$ 0.004 χ^2 /NDF:309467.4/18

Right Out: 6.748 $\pm$ 0.011 χ^2 /NDF: 1266598.3/18

Left In: 7.211 $\pm$ 0.004 χ^2 /NDF:194545.4/16

Left: 6.954 $\pm$ 0.003 χ^2 /NDF: 515458.2/35

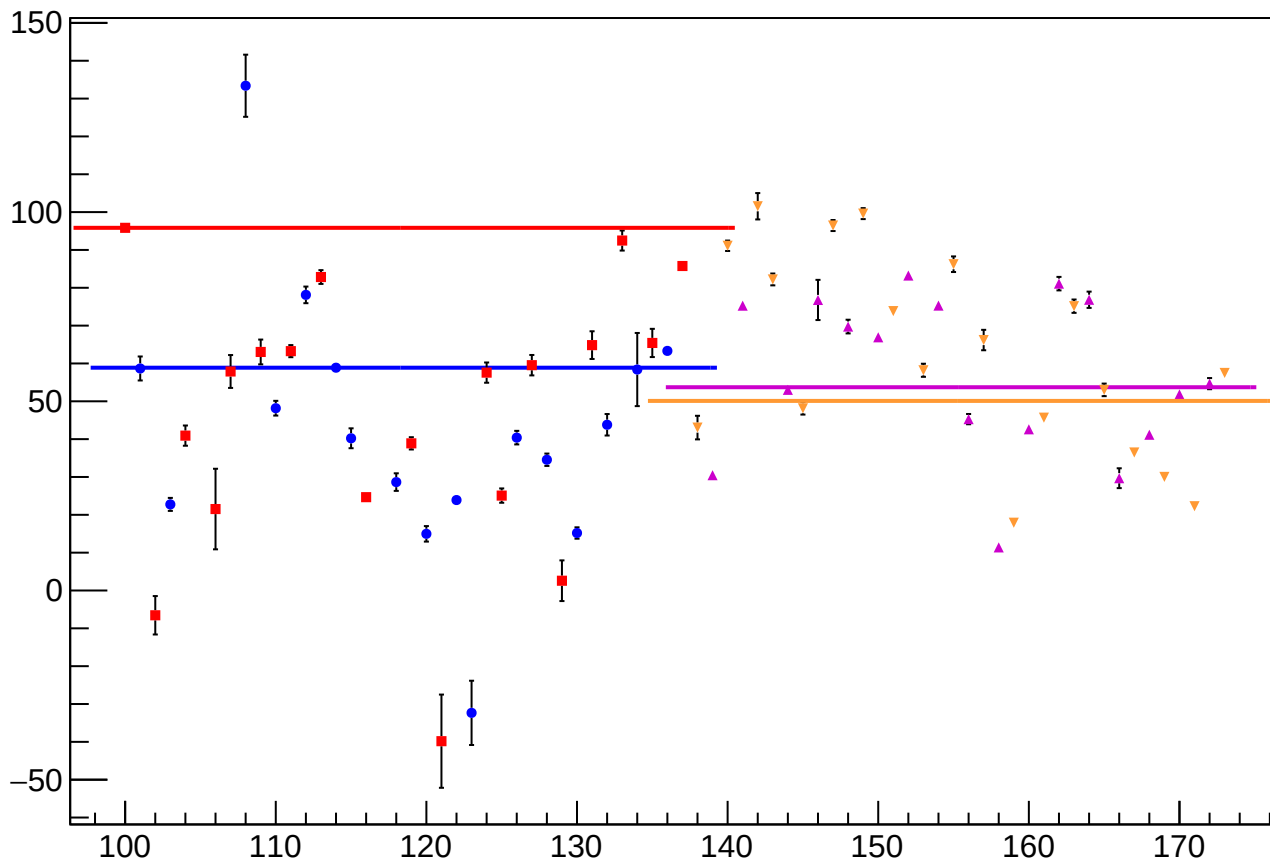
Right: -60.594 $\pm$ 0.000 χ^2 /NDF: 64778482.9/35

In: -60.594 $\pm$ 0.000 χ^2 /NDF:400367157.4/33

Out: 6.670 $\pm$ 0.004 χ^2 /NDF:1576121.7/37

All: -60.594 $\pm$ 0.000 χ^2 /NDF: 761190825.6/7

dit_sam2_4aX_slope vs Slug, Sign Corrected



Right In: 58.880 ± 0.000 $\chi^2/\text{NDF}: 3814.7/16$

Left Out: 50.102 ± 0.281 $\chi^2/\text{NDF}: 7698.0/18$

Right Out: 95.846 ± 0.000 $\chi^2/\text{NDF}: 39385.0/18$

Left In: 53.717 ± 0.256 $\chi^2/\text{NDF}: 5365.0/16$

Left: 52.076 ± 0.189 $\chi^2/\text{NDF}: 13153.6/35$

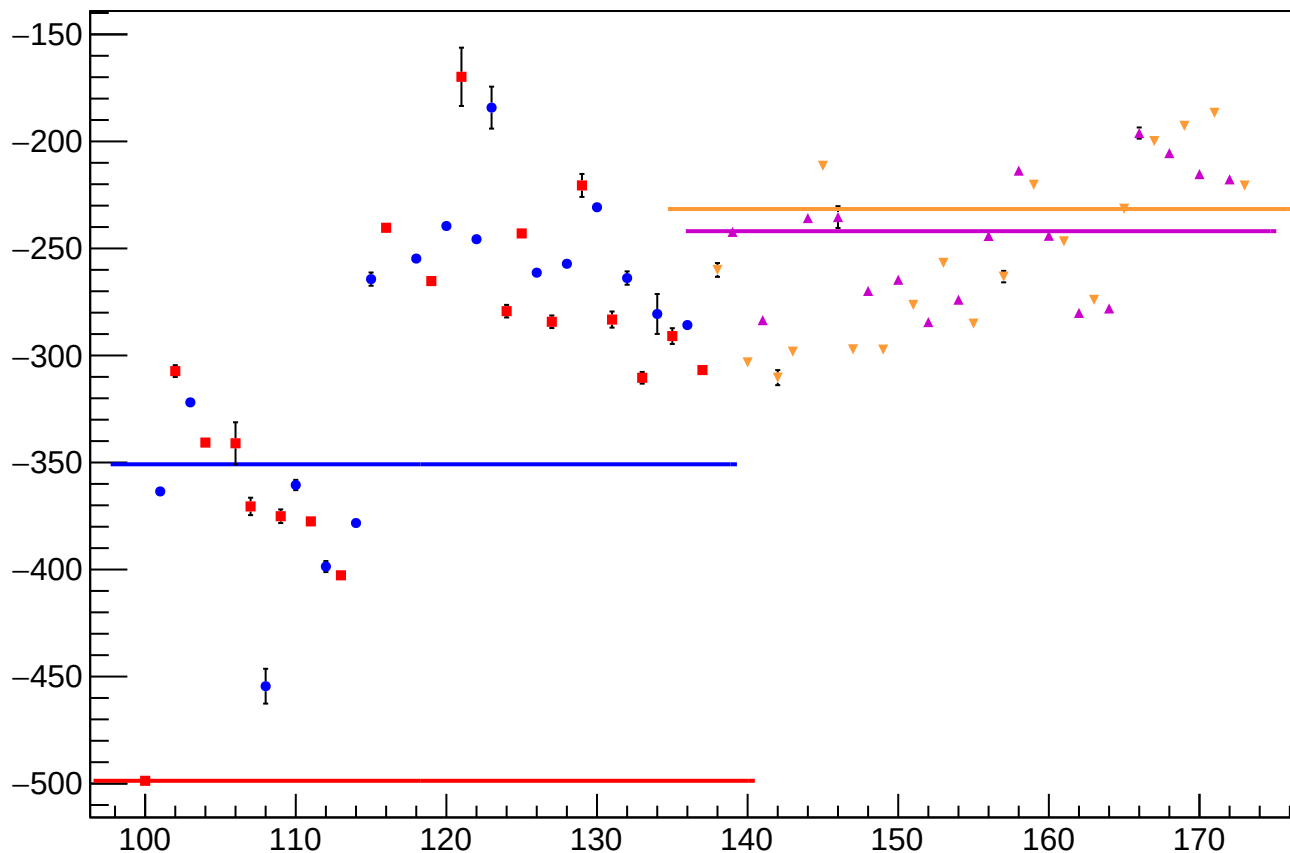
Right: 60.098 ± 0.000 $\chi^2/\text{NDF}: 9815233945666380$

In: 58.880 ± 0.000 $\chi^2/\text{NDF}: 9586.9/33$

Out: 95.846 ± 0.000 $\chi^2/\text{NDF}: 73667.3/37$

All: 60.098 ± 0.000 $\chi^2/\text{NDF}: 9815233945666380$

dit_sam2_4eX_slope vs Slug, Sign Corrected



Right In: -350.833 ± 0.245 $\chi^2/\text{NDF}: 41301.1/16$

Left Out: -231.581 ± 0.281 $\chi^2/\text{NDF}: 19426.0/18$

Right Out: -498.692 ± 0.000 $\chi^2/\text{NDF}: 511870.8/18$

Left In: -241.933 ± 0.260 $\chi^2/\text{NDF}: 11878.3/16$

Left: -237.158 ± 0.191 $\chi^2/\text{NDF}: 32038.0/35$

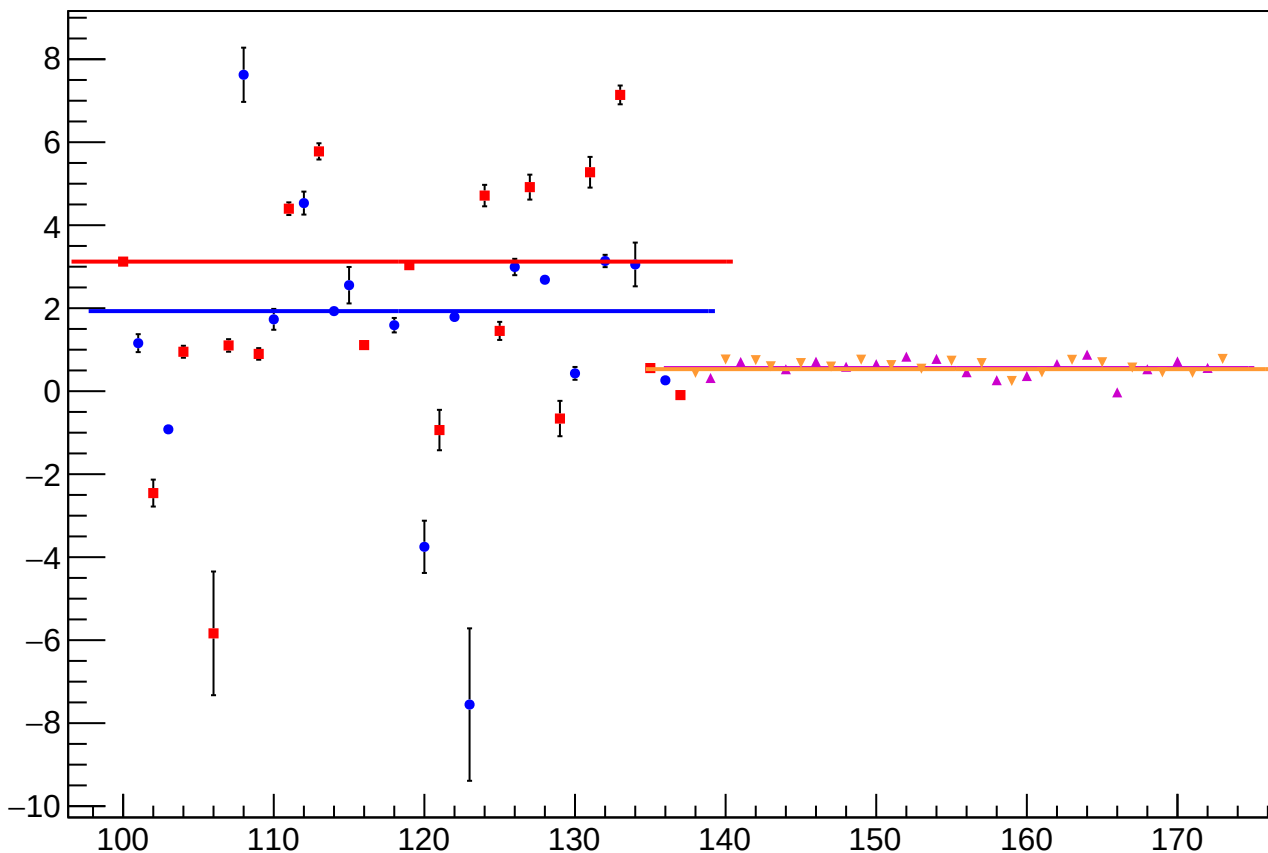
Right: -498.692 ± 0.000 $\chi^2/\text{NDF}: 918780.8/35$

In: -299.629 ± 0.178 $\chi^2/\text{NDF}: 146430.5/33$

Out: -498.692 ± 0.000 $\chi^2/\text{NDF}: 1437966.0/37$

All: -498.692 ± 0.000 $\chi^2/\text{NDF}: 2835208.6/71$

dit_sam2_11X12X_slope vs Slug, Sign Corrected



Right In: 1.930 $\pm$ 0.000 χ^2 /NDF: 59970.9/16

Left Out: 0.531 $\pm$ 0.002 χ^2 /NDF:9293.2/18

Right Out: 3.123 $\pm$ 0.000 χ^2 /NDF: 512565.5/18

Left In: 0.558 $\pm$ 0.002 χ^2 /NDF:13284.1/16

Left: 0.546 $\pm$ 0.001 χ^2 /NDF: 22673.3/35

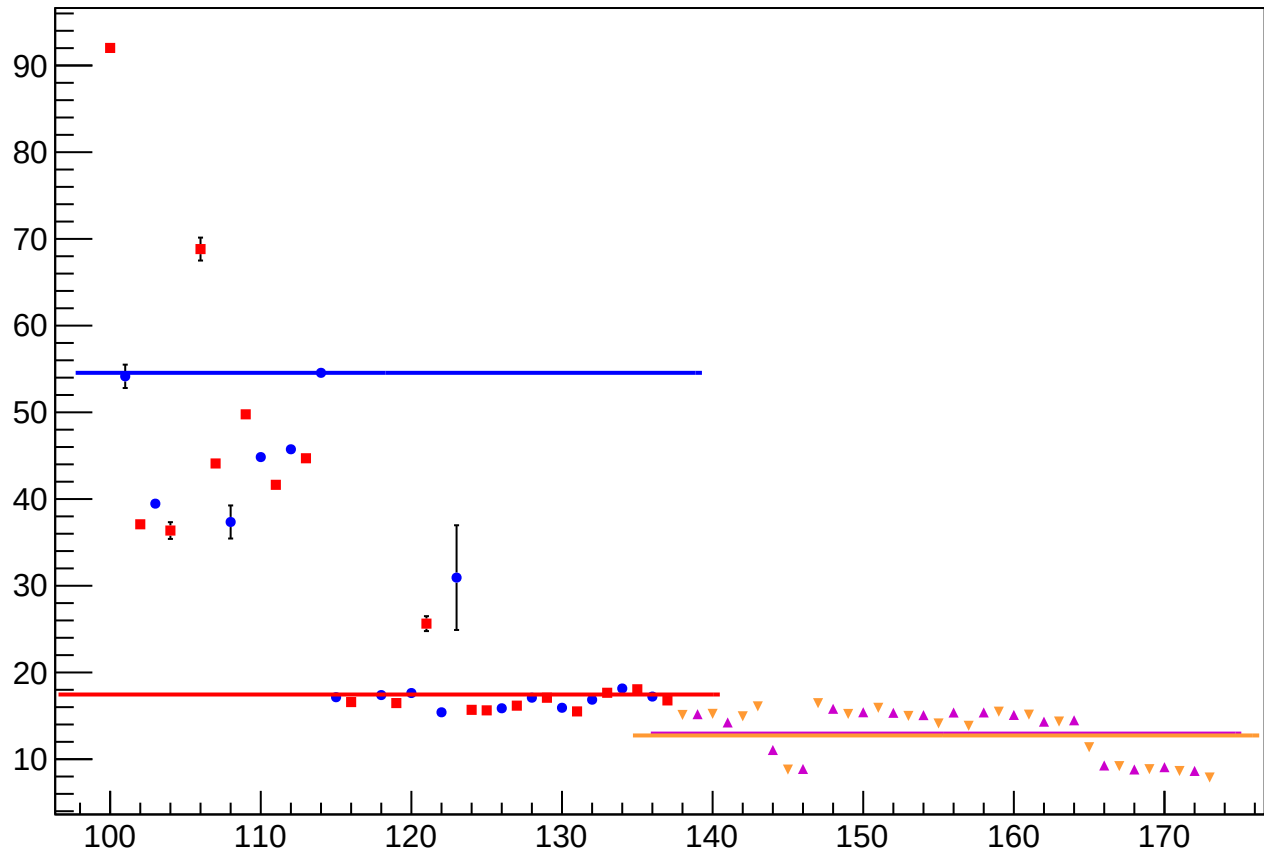
Right: 2.073 $\pm$ 0.000 χ^2 /NDF: 38099534578085305

In: 1.930 $\pm$ 0.000 χ^2 /NDF:635017.2/33

Out: 3.123 $\pm$ 0.000 χ^2 /NDF:2215506.0/37

All: 2.073 $\pm$ 0.000 χ^2 /NDF: 38099534578085

dit_sam2_4aY_slope vs Slug, Sign Corrected



Right In: 54.556 ± 0.000 $\chi^2/\text{NDF}: 7238433.0/16$

Left Out: 12.736 ± 0.007 $\chi^2/\text{NDF}: 224130.2/18$

Right Out: 17.458 ± 0.018 $\chi^2/\text{NDF}: 99308.5/18$

Left In: 12.951 ± 0.006 $\chi^2/\text{NDF}: 216852.2/16$

Left: 12.850 ± 0.005 $\chi^2/\text{NDF}: 441515.2/35$

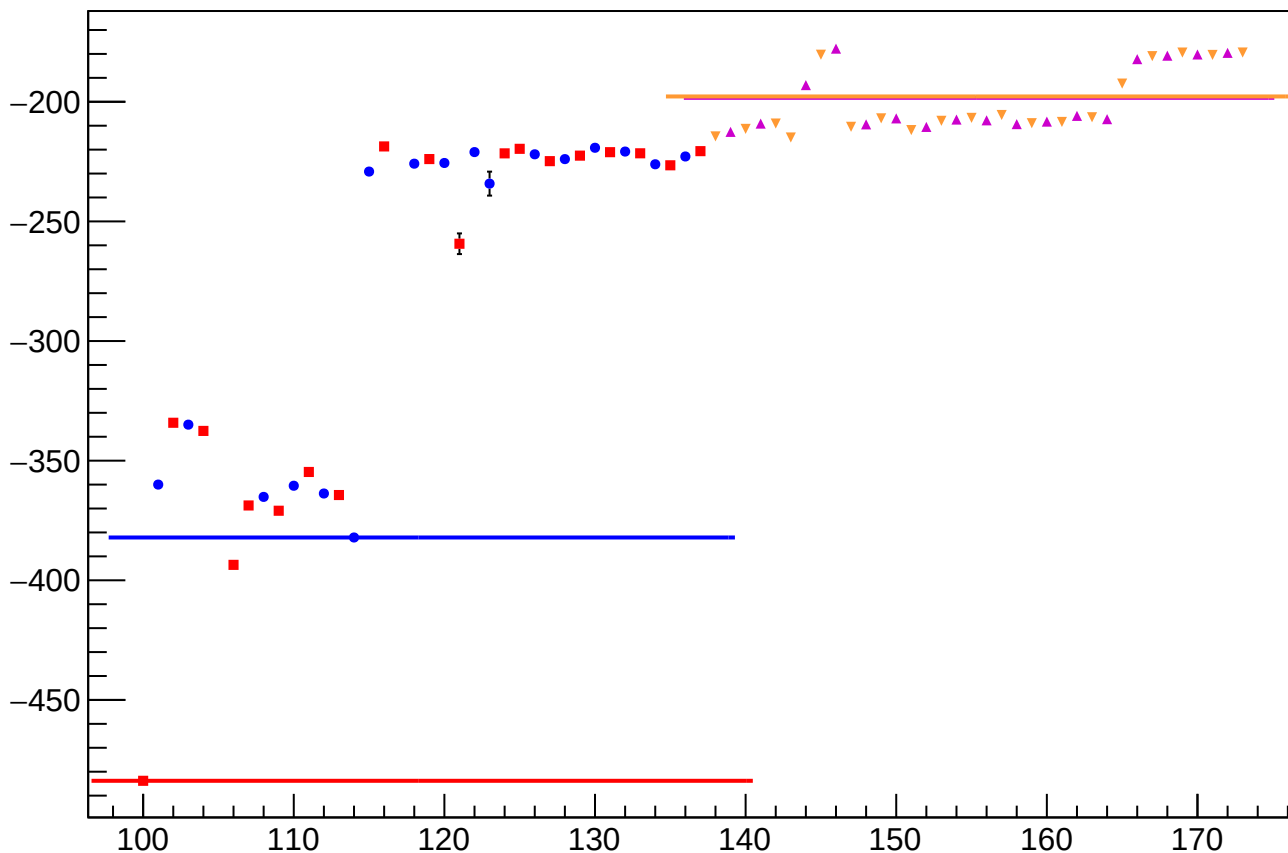
Right: 54.556 ± 0.000 $\chi^2/\text{NDF}: 11453944.4/35$

In: 54.556 ± 0.000 $\chi^2/\text{NDF}: 50081969.9/33$

Out: 13.307 ± 0.006 $\chi^2/\text{NDF}: 382072.2/37$

All: 54.556 ± 0.000 $\chi^2/\text{NDF}: 92523030.2/71$

dit_sam2_4eY_slope vs Slug, Sign Corrected



Right In: -382.108+/-0.000 χ^2/NDF : 18398024.3/16

Left Out: -197.777+/-0.014 χ^2/NDF : 984258.7/18

Right Out: -483.800+/-0.000 χ^2/NDF : 24338683.6/18

Left In: -198.354+/-0.014 χ^2/NDF : 941325.9/16

Left: -198.076+/-0.010 χ^2/NDF : 1926421.6/35

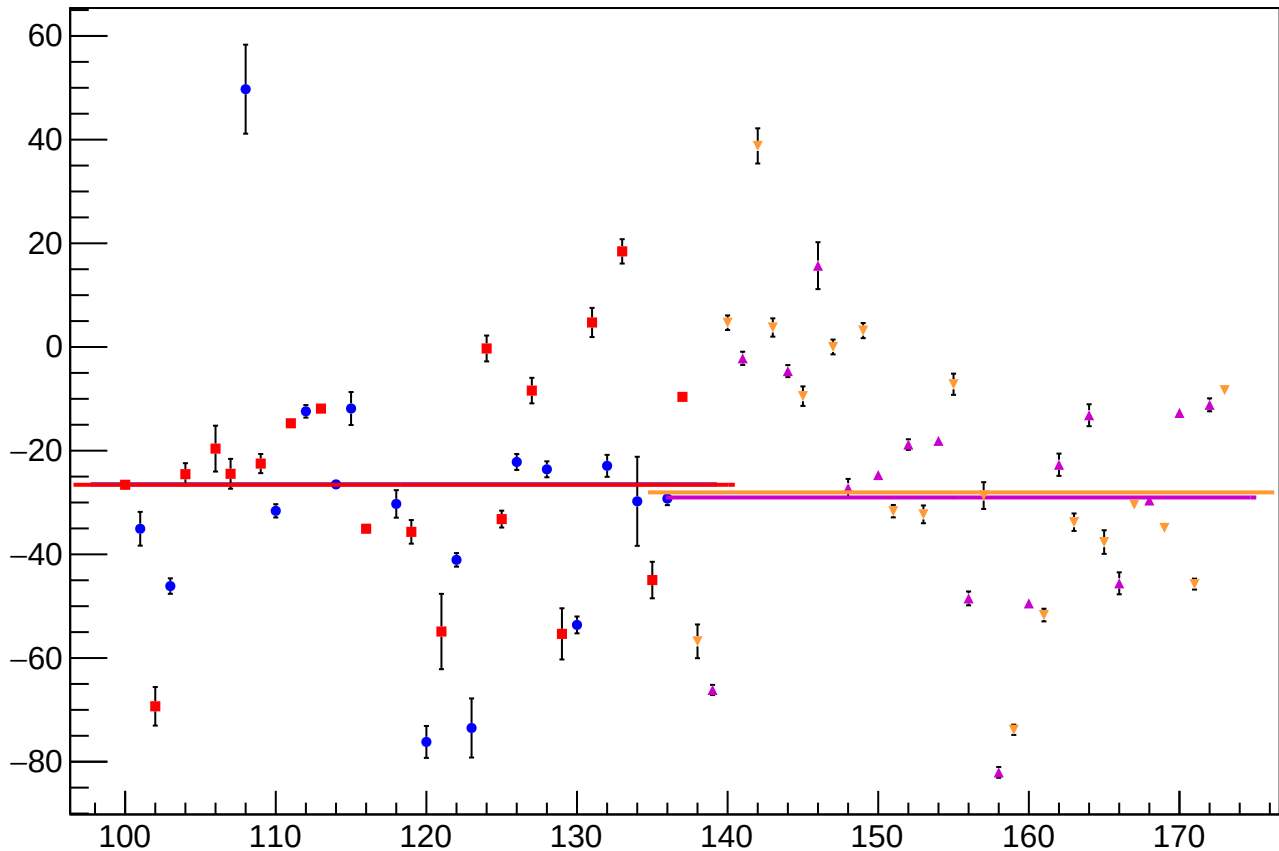
Right: -417.999+/-0.000 χ^2/NDF : 12425488813367

In: -382.108+/-0.000 χ^2/NDF : 195662791.4/33

Out: -483.800+/-0.000 χ^2/NDF : 422615438.2/37

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: -28.048 ± 0.282 $\chi^2/\text{NDF}: 5946.3/18$

Right Out: -26.577 ± 0.000 $\chi^2/\text{NDF}: 2640.9/18$

Left In: -29.030 ± 0.260 $\chi^2/\text{NDF}: 7010.8/16$

Left: -28.579 ± 0.191 $\chi^2/\text{NDF}: 12963.7/35$

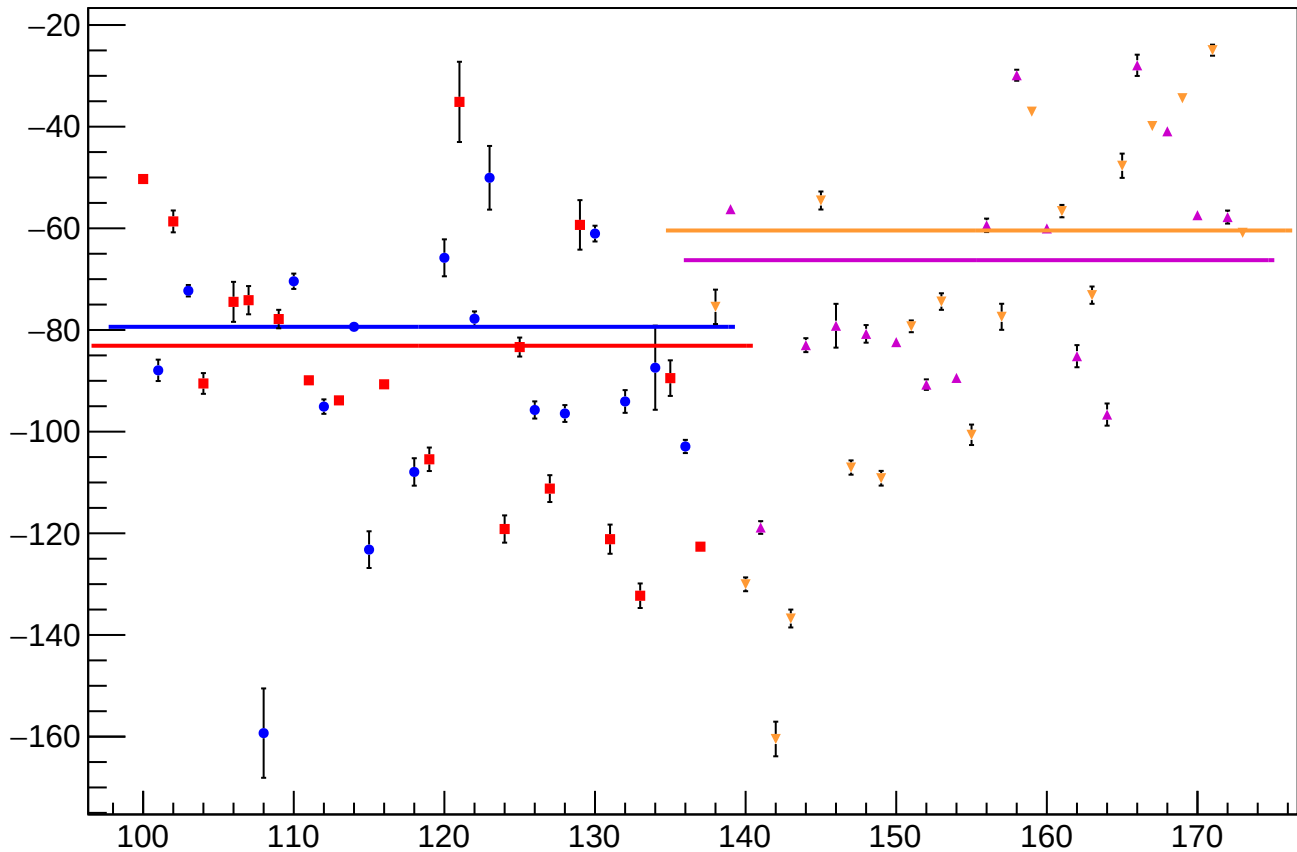
Right: -26.530 ± 0.000 $\chi^2/\text{NDF}: 412159279654659$

In: -26.504 ± 0.000 $\chi^2/\text{NDF}: 8285.7/33$

Out: -26.577 ± 0.000 $\chi^2/\text{NDF}: 8614.4/37$

All: -26.530 ± 0.000 $\chi^2/\text{NDF}: 412159279654$

dit_sam3_4eX_slope vs Slug, Sign Corrected



Right In: -79.376 ± 0.000 χ^2/NDF : 1304.6/16

Left Out: -60.425 ± 0.279 χ^2/NDF : 12284.0/18

Right Out: -83.099 ± 0.178 χ^2/NDF : 11915.8/18

Left In: -66.265 ± 0.259 χ^2/NDF : 6947.5/16

Left: -63.563 ± 0.190 χ^2/NDF : 19467.4/35

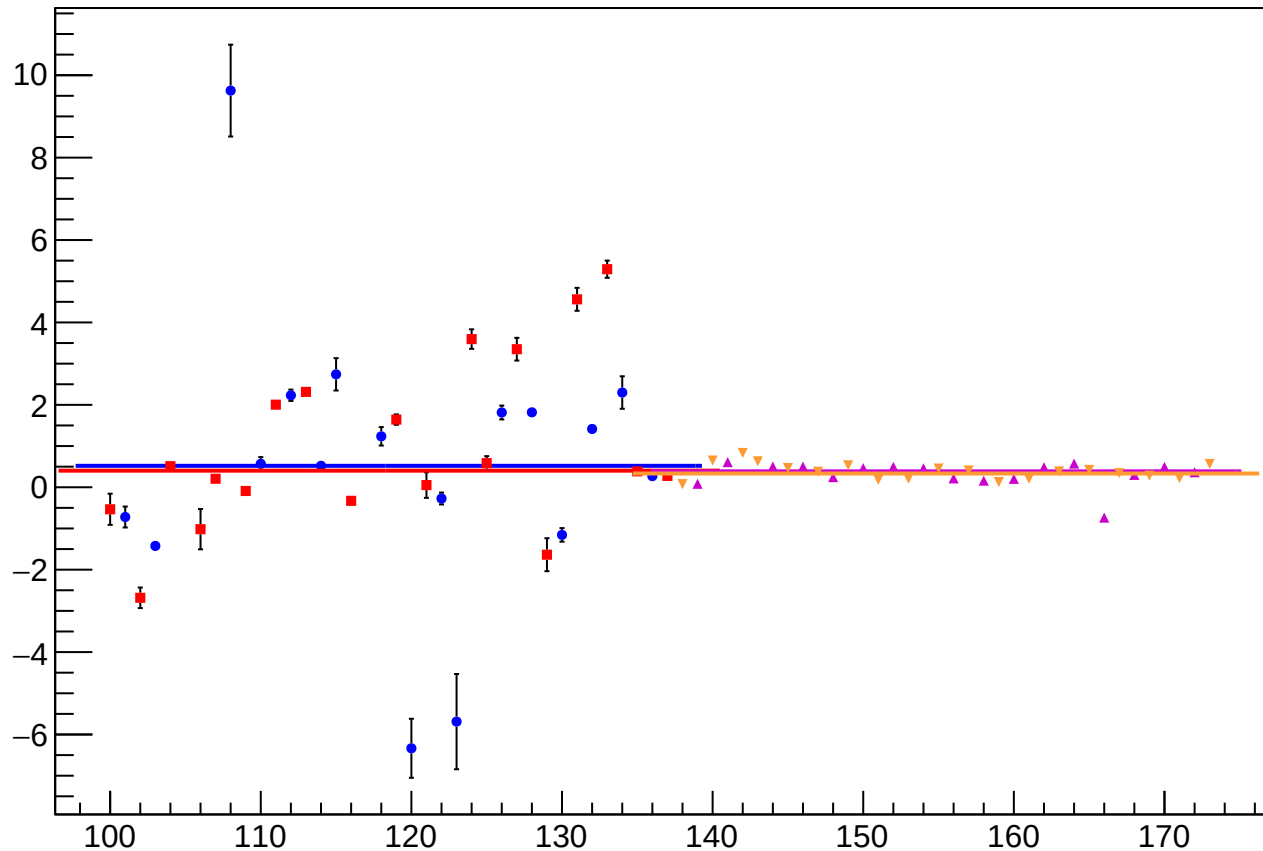
Right: -79.376 ± 0.000 χ^2/NDF : 13657.0/35

In: -79.376 ± 0.000 χ^2/NDF : 10822.5/33

Out: -76.522 ± 0.150 χ^2/NDF : 28897.4/37

All: -79.376 ± 0.000 χ^2/NDF : 40081.4/71

dit_sam3_11X12X_slope vs Slug, Sign Corrected



Right In: 0.521+/-0.000 χ^2/NDF : 3370.8/16

Left Out: 0.334+/-0.002 χ^2/NDF : 8734.2/18

Right Out: 0.403+/-0.011 χ^2/NDF : 2727.5/18

Left In: 0.386+/-0.002 χ^2/NDF : 9341.2/16

Left: 0.361+/-0.001 χ^2/NDF : 18501.0/35

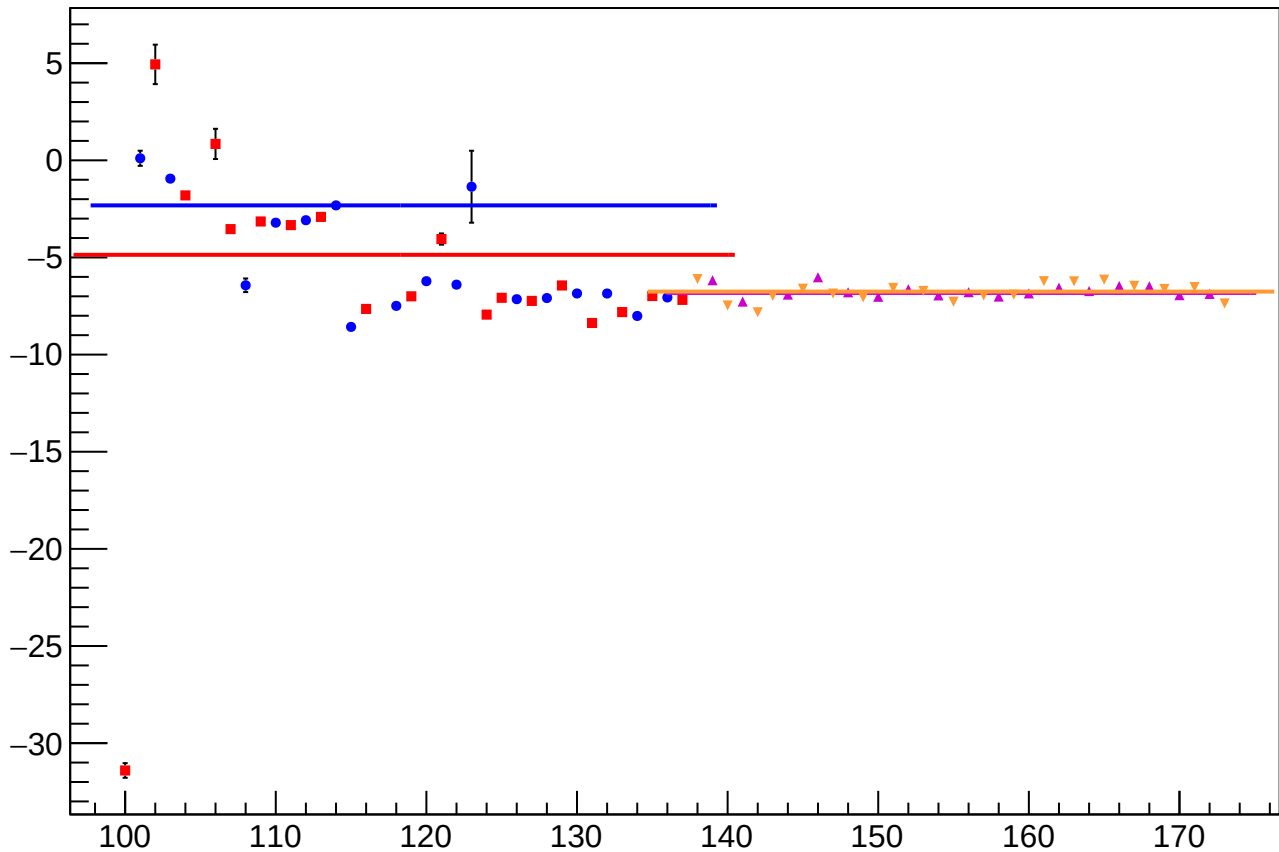
Right: 0.521+/-0.000 χ^2/NDF : 6215.1/35

In: 0.521+/-0.000 χ^2/NDF : 18374.8/33

Out: 0.336+/-0.002 χ^2/NDF : 11501.5/37

All: 0.521+/-0.000 χ^2/NDF : 40301.4/71

dit_sam3_4aY_slope vs Slug, Sign Corrected



Right In: -2.320+/-0.000 χ^2/NDF : 270771.9/16

Left Out: -6.756+/-0.003 χ^2/NDF : 9788.0/18

Right Out: -4.864+/-0.010 χ^2/NDF : 49380.5/18

Left In: -6.825+/-0.002 χ^2/NDF : 8115.3/16

Left: -6.792+/-0.002 χ^2/NDF : 18271.8/35

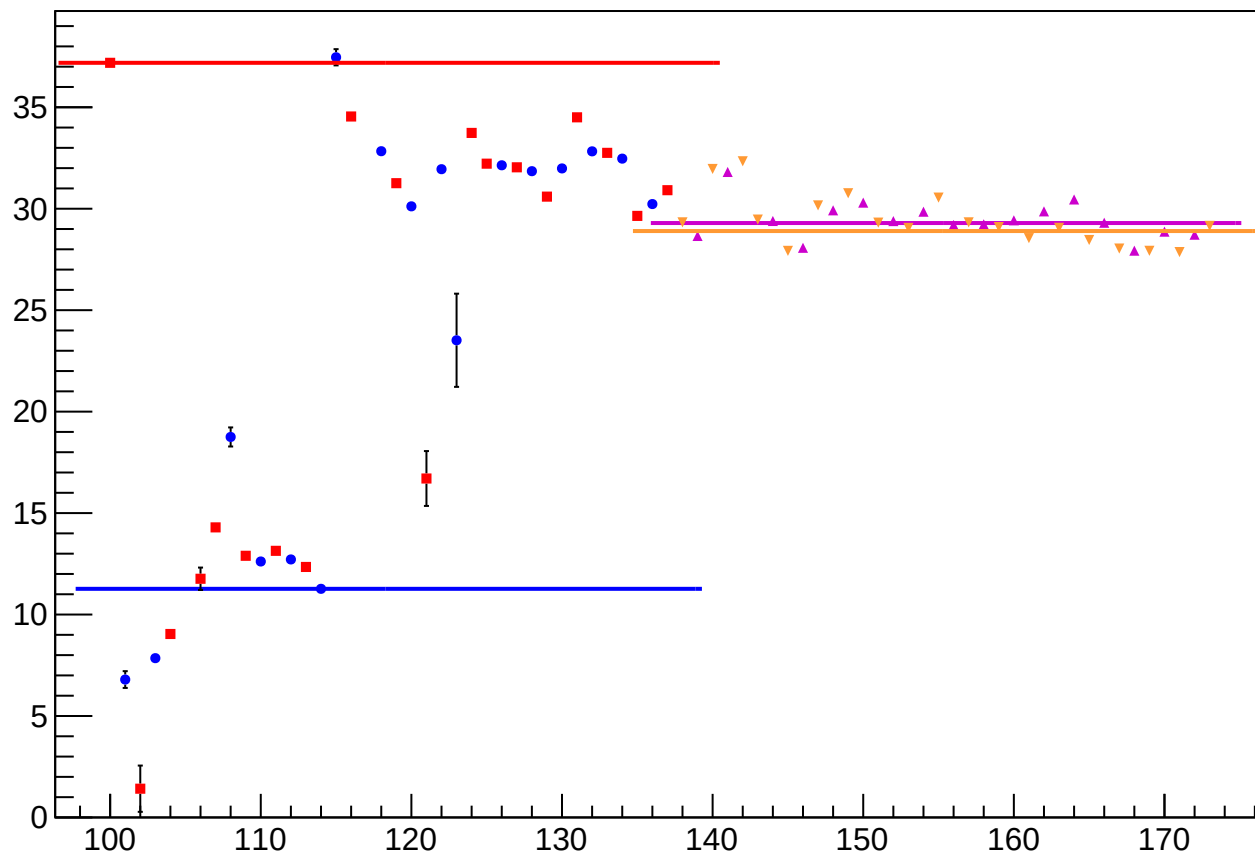
Right: -2.320+/-0.000 χ^2/NDF : 381161.7/35

In: -2.320+/-0.000 χ^2/NDF : 3537692.9/33

Out: -6.643+/-0.003 χ^2/NDF : 90862.5/37

All: -2.320+/-0.000 χ^2/NDF : 6563914.9/71

dit_sam3_4eY_slope vs Slug, Sign Corrected



Right In: 11.268 $\pm$ 0.000 χ^2 /NDF: 958029.3/16

Left Out: 28.899 $\pm$ 0.009 χ^2 /NDF:13113.6/18

Right Out: 37.191 $\pm$ 0.000 χ^2 /NDF: 1121929.1/18

Left In: 29.295 $\pm$ 0.008 χ^2 /NDF:7989.9/16

Left: 29.108 $\pm$ 0.006 χ^2 /NDF: 22150.6/35

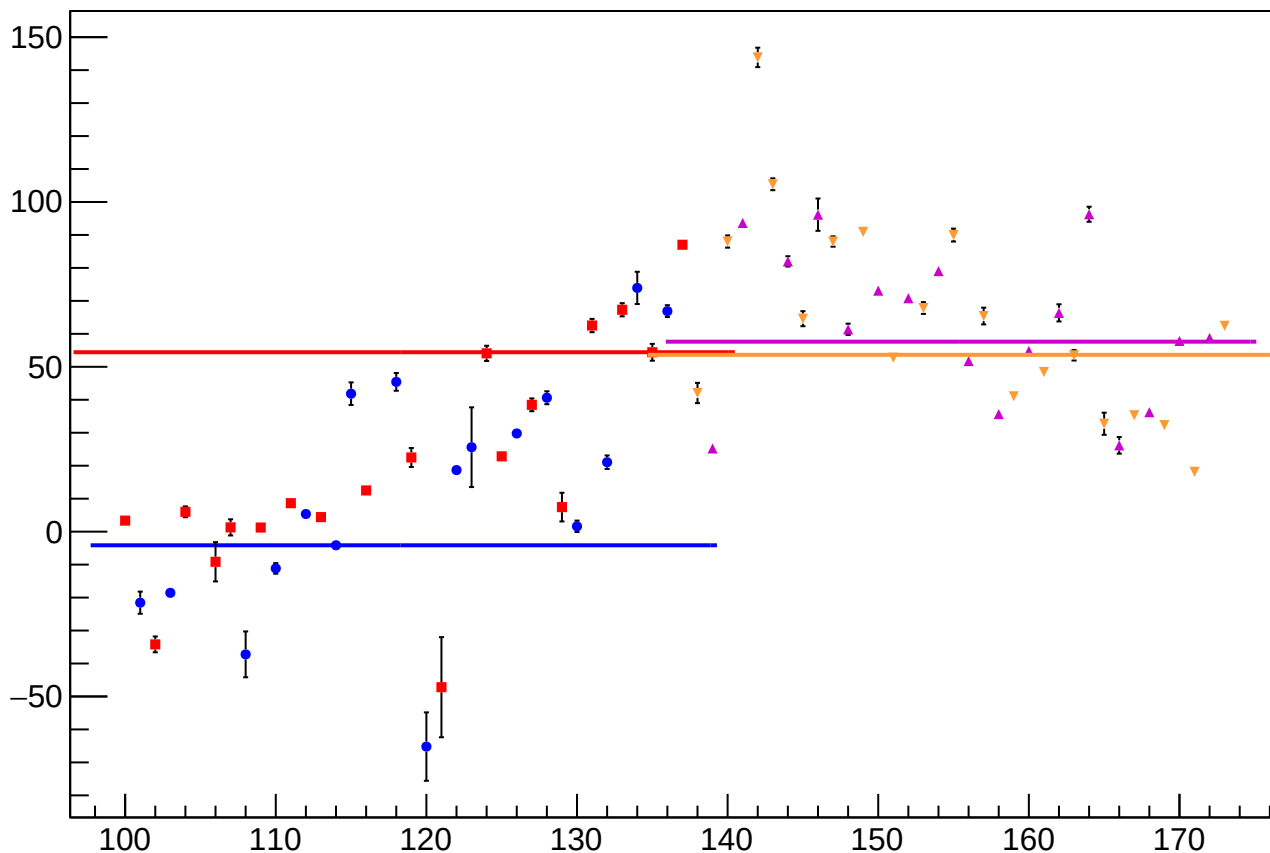
Right: 12.122 $\pm$ 0.000 χ^2 /NDF: 7723055694978834

In: 11.268 $\pm$ 0.000 χ^2 /NDF:5572441.0/33

Out: 37.191 $\pm$ 0.000 χ^2 /NDF:2007459.8/37

All: 12.122 $\pm$ 0.000 χ^2 /NDF: 7723055694978

dit_sam4_4aX_slope vs Slug, Sign Corrected



Right In: -4.139 ± 0.000 $\chi^2/\text{NDF}: 4654.2/16$

Left Out: 53.637 ± 0.309 $\chi^2/\text{NDF}: 5937.4/18$

Right Out: 54.427 ± 0.170 $\chi^2/\text{NDF}: 53998.7/18$

Left In: 57.625 ± 0.279 $\chi^2/\text{NDF}: 5243.3/16$

Left: 55.831 ± 0.207 $\chi^2/\text{NDF}: 11272.3/35$

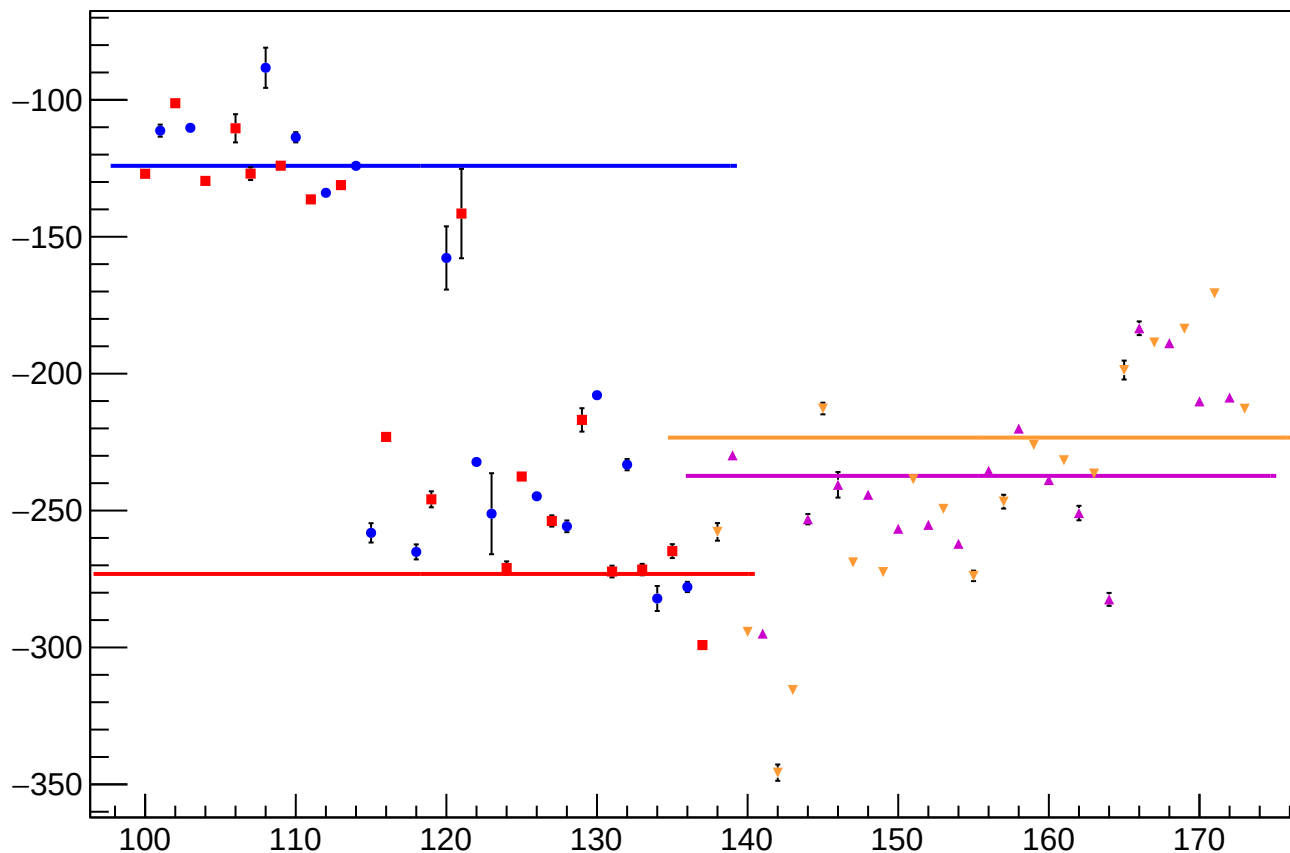
Right: -4.139 ± 0.000 $\chi^2/\text{NDF}: 177029.3/35$

In: -4.139 ± 0.000 $\chi^2/\text{NDF}: 58747.4/33$

Out: 54.243 ± 0.149 $\chi^2/\text{NDF}: 59941.2/37$

All: -4.139 ± 0.000 $\chi^2/\text{NDF}: 272009.6/71$

dit_sam4_4eX_slope vs Slug, Sign Corrected



Right In: -124.095 ± 0.000 $\chi^2/\text{NDF}: 38152.5/16$

Left Out: -223.351 ± 0.305 $\chi^2/\text{NDF}: 15205.6/18$

Right Out: -273.143 ± 0.113 $\chi^2/\text{NDF}: 280141.9/18$

Left In: -237.331 ± 0.277 $\chi^2/\text{NDF}: 8465.7/16$

Left: -231.014 ± 0.205 $\chi^2/\text{NDF}: 24820.9/35$

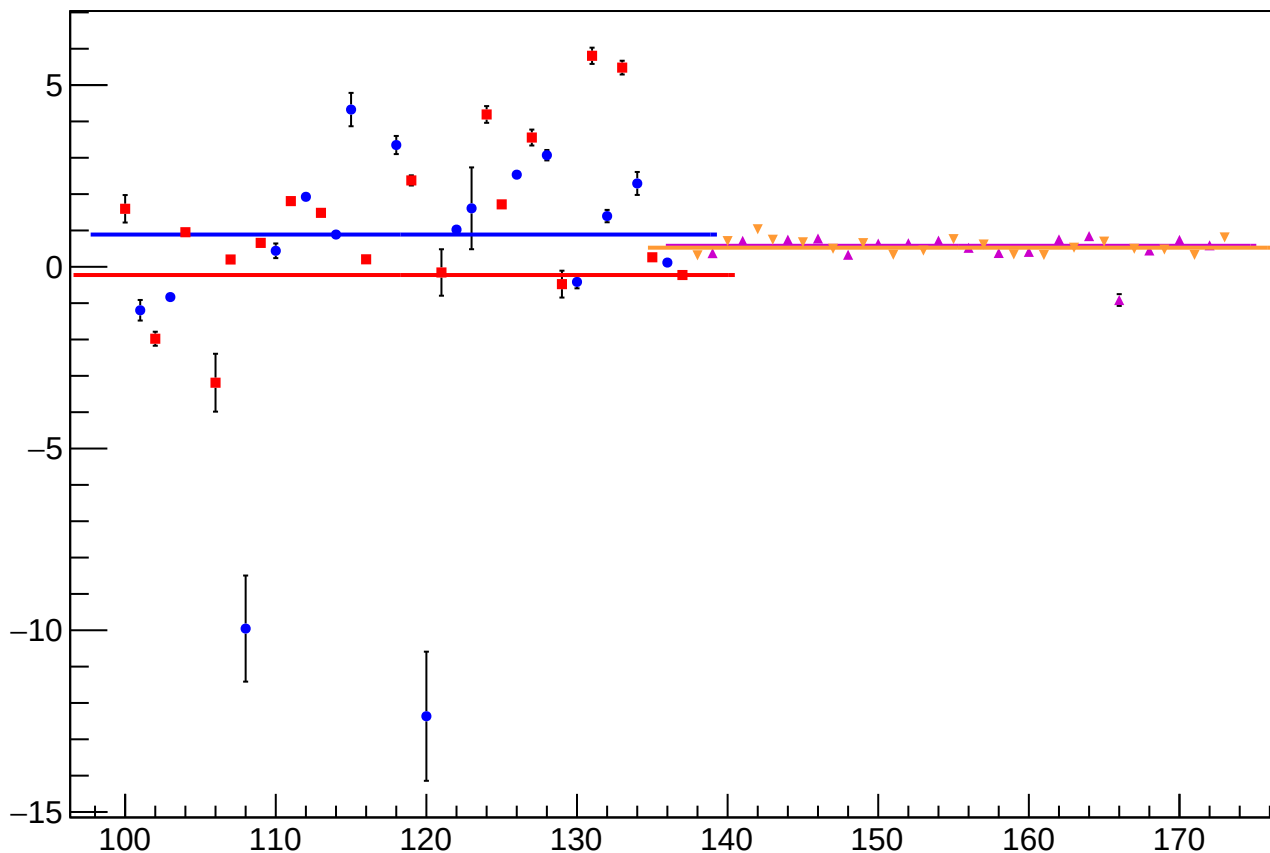
Right: -124.095 ± 0.000 $\chi^2/\text{NDF}: 2066776.4/35$

In: -124.095 ± 0.000 $\chi^2/\text{NDF}: 213534.4/33$

Out: -267.169 ± 0.106 $\chi^2/\text{NDF}: 318761.7/37$

All: -124.095 ± 0.000 $\chi^2/\text{NDF}: 2363093.4/71$

dit_sam4_11X12X_slope vs Slug, Sign Corrected



Right In: 0.888 ± 0.000 $\chi^2/\text{NDF}: 8672.0/16$

Left Out: 0.526 ± 0.002 $\chi^2/\text{NDF}: 8556.8/18$

Right Out: -0.226 ± 0.000 $\chi^2/\text{NDF}: 5031.1/18$

Left In: 0.578 ± 0.002 $\chi^2/\text{NDF}: 4902.5/16$

Left: 0.551 ± 0.002 $\chi^2/\text{NDF}: 13746.7/35$

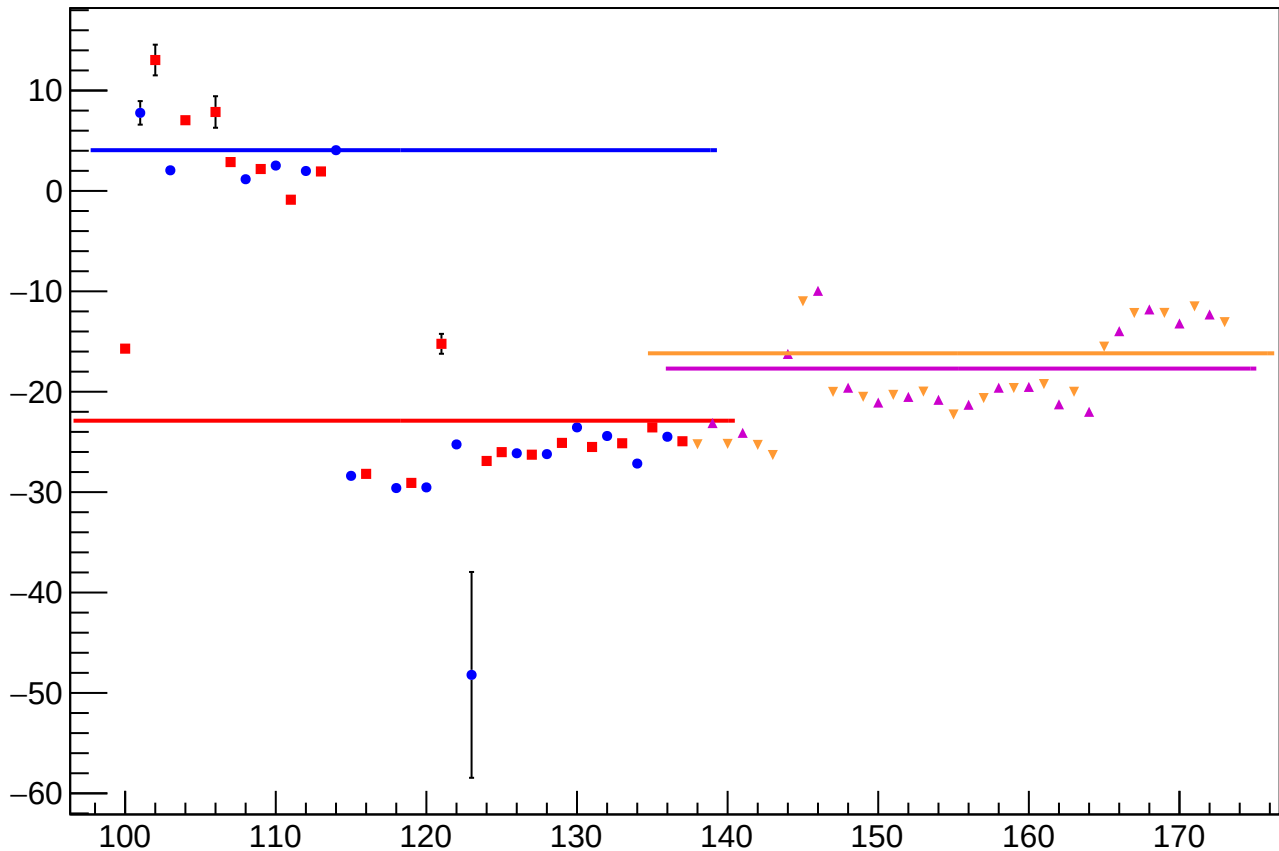
Right: 0.888 ± 0.000 $\chi^2/\text{NDF}: 422220530.0/35$

In: 0.888 ± 0.000 $\chi^2/\text{NDF}: 33082.5/33$

Out: -0.225 ± 0.000 $\chi^2/\text{NDF}: 140211.5/37$

All: 0.888 ± 0.000 $\chi^2/\text{NDF}: 422282777.6/71$

dit_sam4_4aY_slope vs Slug, Sign Corrected



Right In: 4.057 ± 0.000 χ^2/NDF : 1247888.2/16

Left Out: -16.174 ± 0.011 χ^2/NDF : 177889.5/18

Right Out: -22.885 ± 0.026 χ^2/NDF : 116508.9/18

Left In: -17.694 ± 0.010 χ^2/NDF : 148228.0/16

Left: -16.989 ± 0.007 χ^2/NDF : 337333.0/35

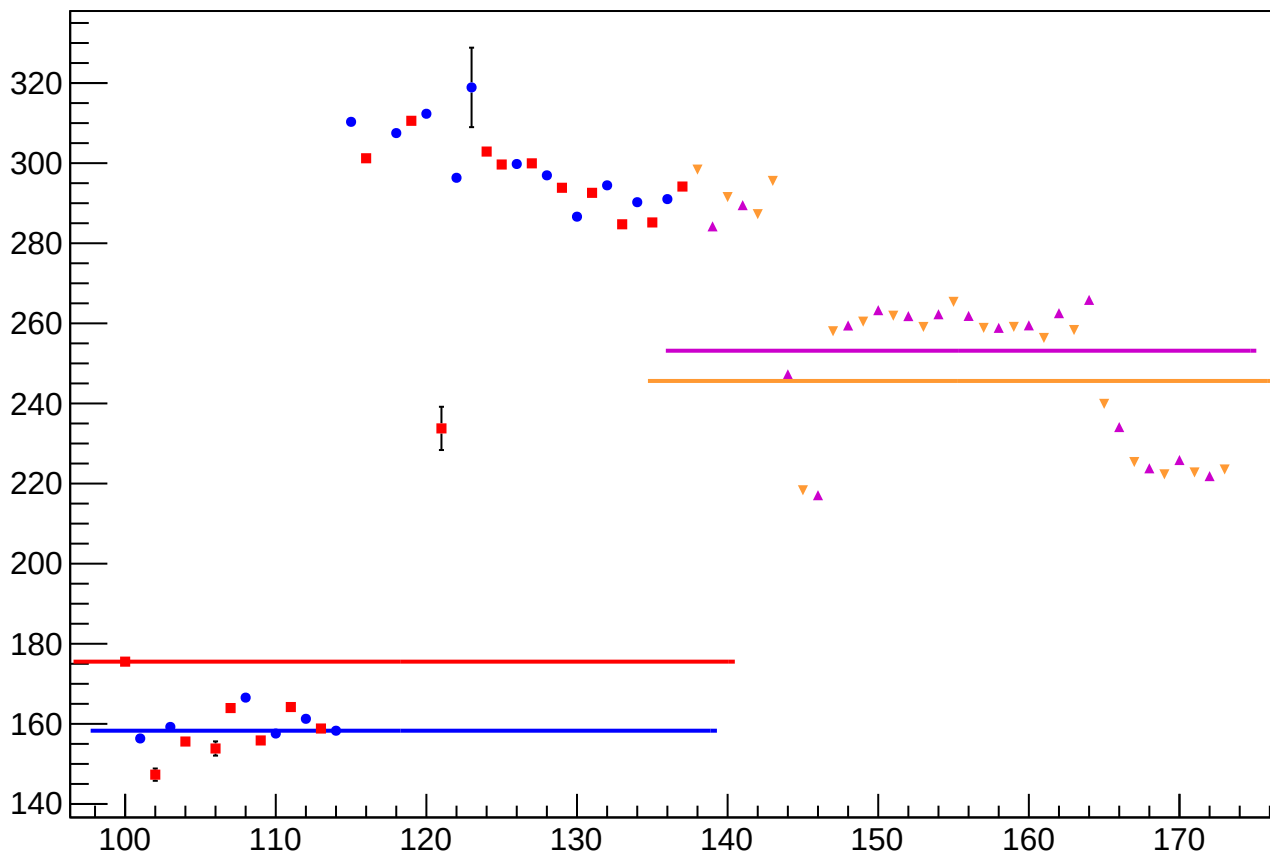
Right: 4.057 ± 0.000 χ^2/NDF : 2412173.4/35

In: 4.057 ± 0.000 χ^2/NDF : 6345119.1/33

Out: -17.096 ± 0.010 χ^2/NDF : 350473.5/37

All: 4.057 ± 0.000 χ^2/NDF : 11393352.5/71

dit_sam4_4eY_slope vs Slug, Sign Corrected



Right In: 158.293 $\pm$ 0.000 χ^2 /NDF: 2410913.3/16

Left Out: 245.620 $\pm$ 0.028 χ^2 /NDF: 702220.8/18

Right Out: 175.536 $\pm$ 0.000 χ^2 /NDF: 2100196.2/18

Left In: 253.168 $\pm$ 0.029 χ^2 /NDF: 321990.4/16

Left: 249.232 $\pm$ 0.020 χ^2 /NDF: 1059453.0/35

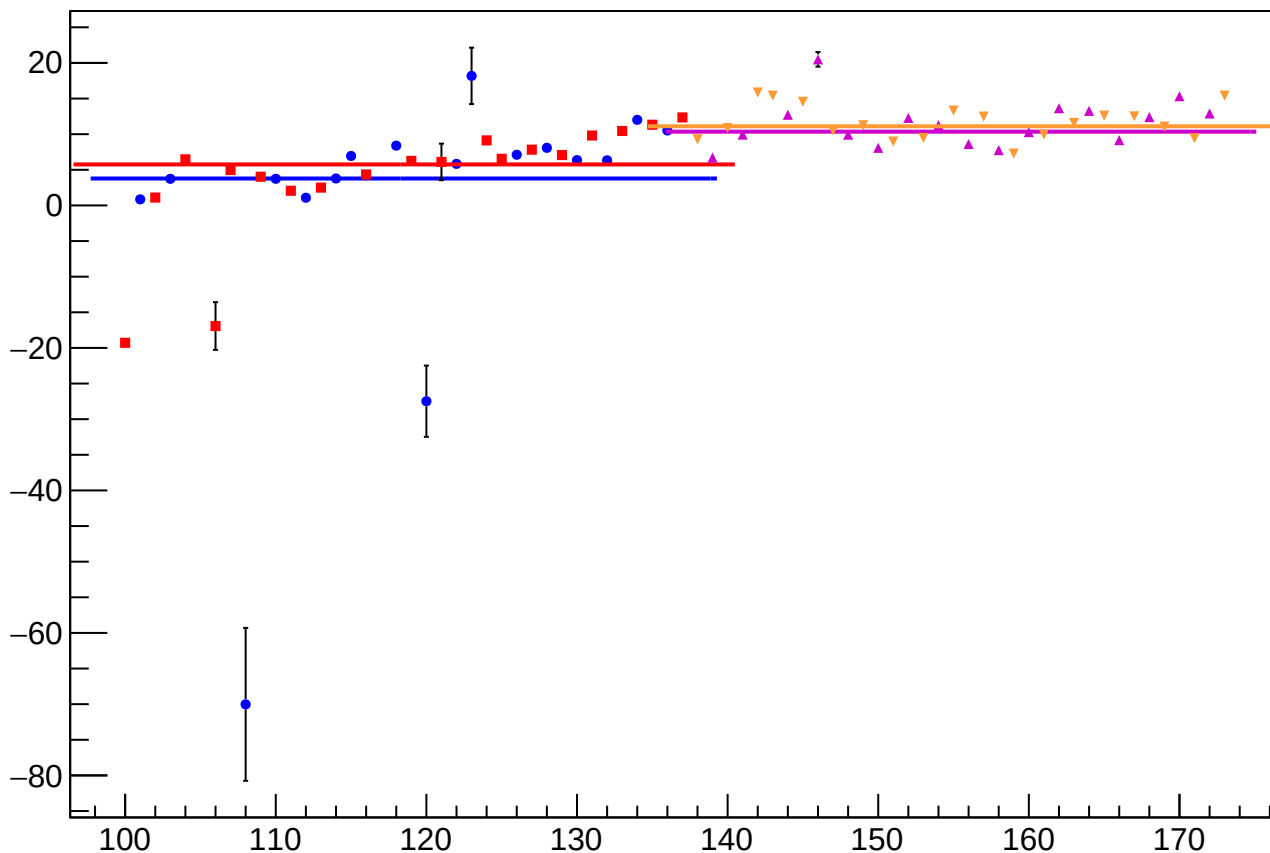
Right: 172.618 $\pm$ 0.000 χ^2 /NDF: 373727491225928

In: 158.293 $\pm$ 0.000 χ^2 /NDF: 13409288.2/33

Out: 175.536 $\pm$ 0.000 χ^2 /NDF: 9150533.0/37

All: 172.618 $\pm$ 0.000 χ^2 /NDF: 373727491225

dit_sam5_4aX_slope vs Slug, Sign Corrected



Right In: 3.778 ± 0.000 $\chi^2/\text{NDF}: 6871.4/16$

Left Out: 11.111 ± 0.032 $\chi^2/\text{NDF}: 3504.2/18$

Right Out: 5.756 ± 0.026 $\chi^2/\text{NDF}: 22291.6/18$

Left In: 10.352 ± 0.030 $\chi^2/\text{NDF}: 8157.4/16$

Left: 10.709 ± 0.022 $\chi^2/\text{NDF}: 11953.7/35$

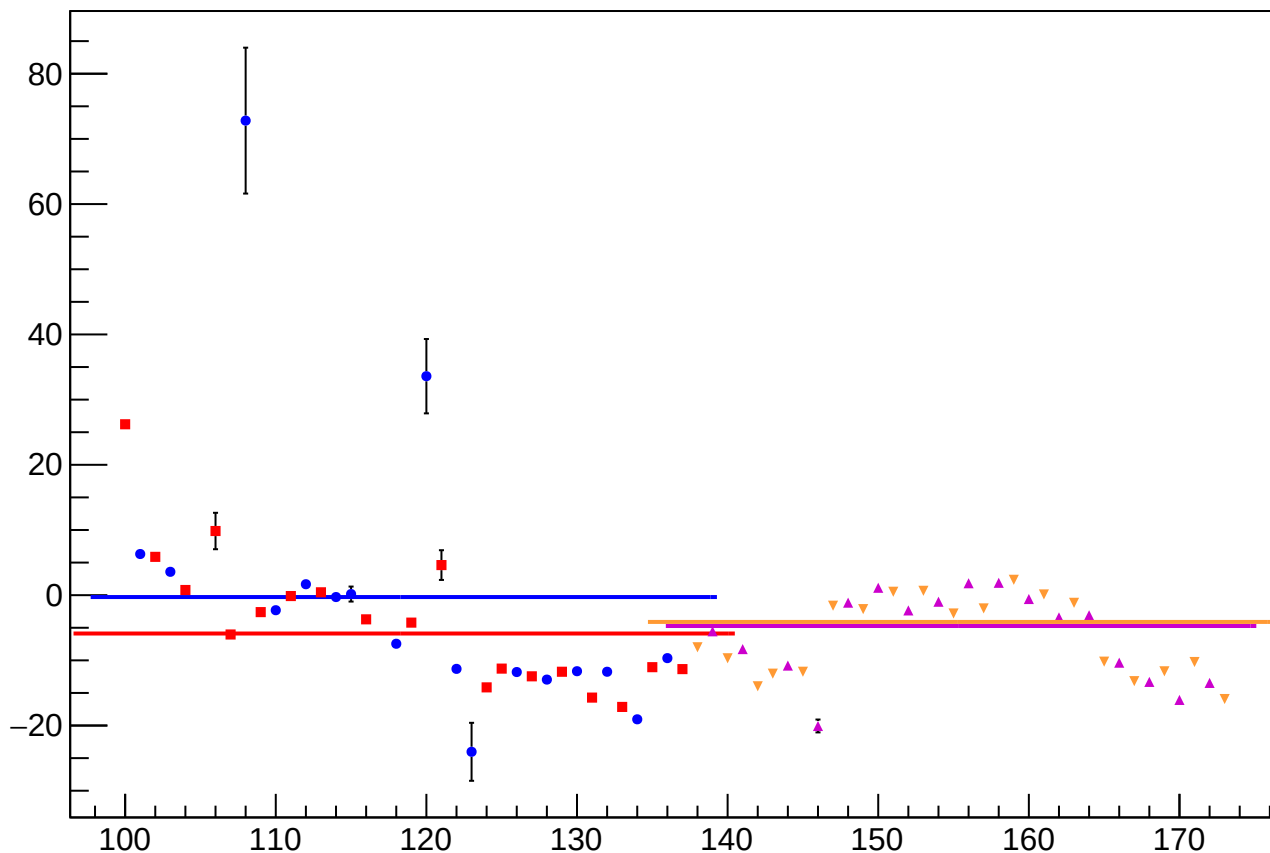
Right: 3.778 ± 0.000 $\chi^2/\text{NDF}: 35056.1/35$

In: 3.778 ± 0.000 $\chi^2/\text{NDF}: 61730.7/33$

Out: 7.837 ± 0.020 $\chi^2/\text{NDF}: 42589.1/37$

All: 3.778 ± 0.000 $\chi^2/\text{NDF}: 144915.5/71$

dit_sam5_4eX_slope vs Slug, Sign Corrected



Right In: -0.287 ± 0.000 χ^2/NDF : 44276.5/16

Left Out: -4.104 ± 0.032 χ^2/NDF : 27912.5/18

Right Out: -5.882 ± 0.027 χ^2/NDF : 63493.9/18

Left In: -4.730 ± 0.031 χ^2/NDF : 41650.1/16

Left: -4.432 ± 0.022 χ^2/NDF : 69759.2/35

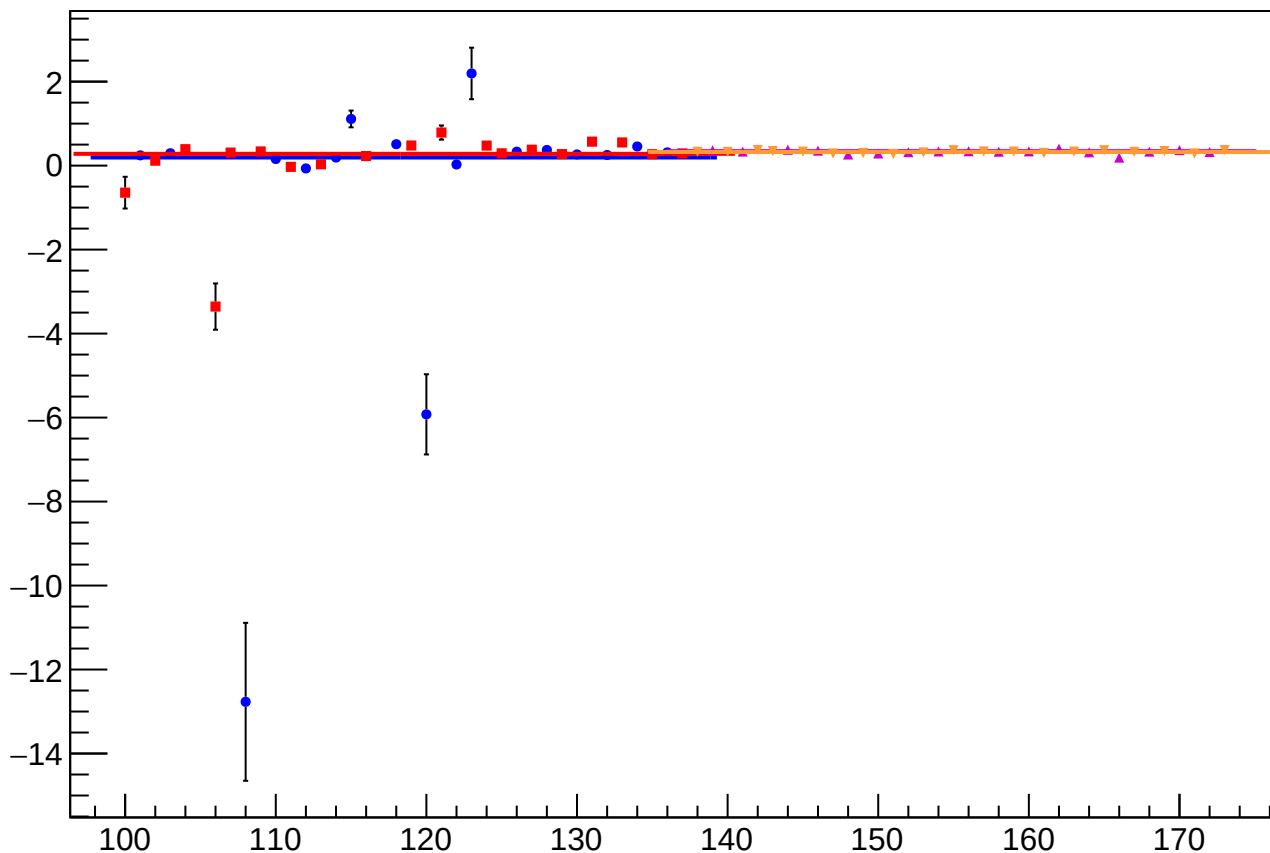
Right: -0.287 ± 0.000 χ^2/NDF : 150060.6/35

In: -0.287 ± 0.000 χ^2/NDF : 106756.7/33

Out: -5.143 ± 0.021 χ^2/NDF : 93180.7/37

All: -0.287 ± 0.000 χ^2/NDF : 254446.8/71

dit_sam5_11X12X_slope vs Slug, Sign Corrected



Right In: 0.193+/-0.000 χ^2/NDF : 10027.5/16

Left Out: 0.324+/-0.001 χ^2/NDF :2048.6/18

Right Out: 0.280+/-0.001 χ^2/NDF : 6059.0/18

Left In: 0.344+/-0.001 χ^2/NDF :3383.0/16

Left: 0.334+/-0.000 χ^2/NDF : 6058.3/35

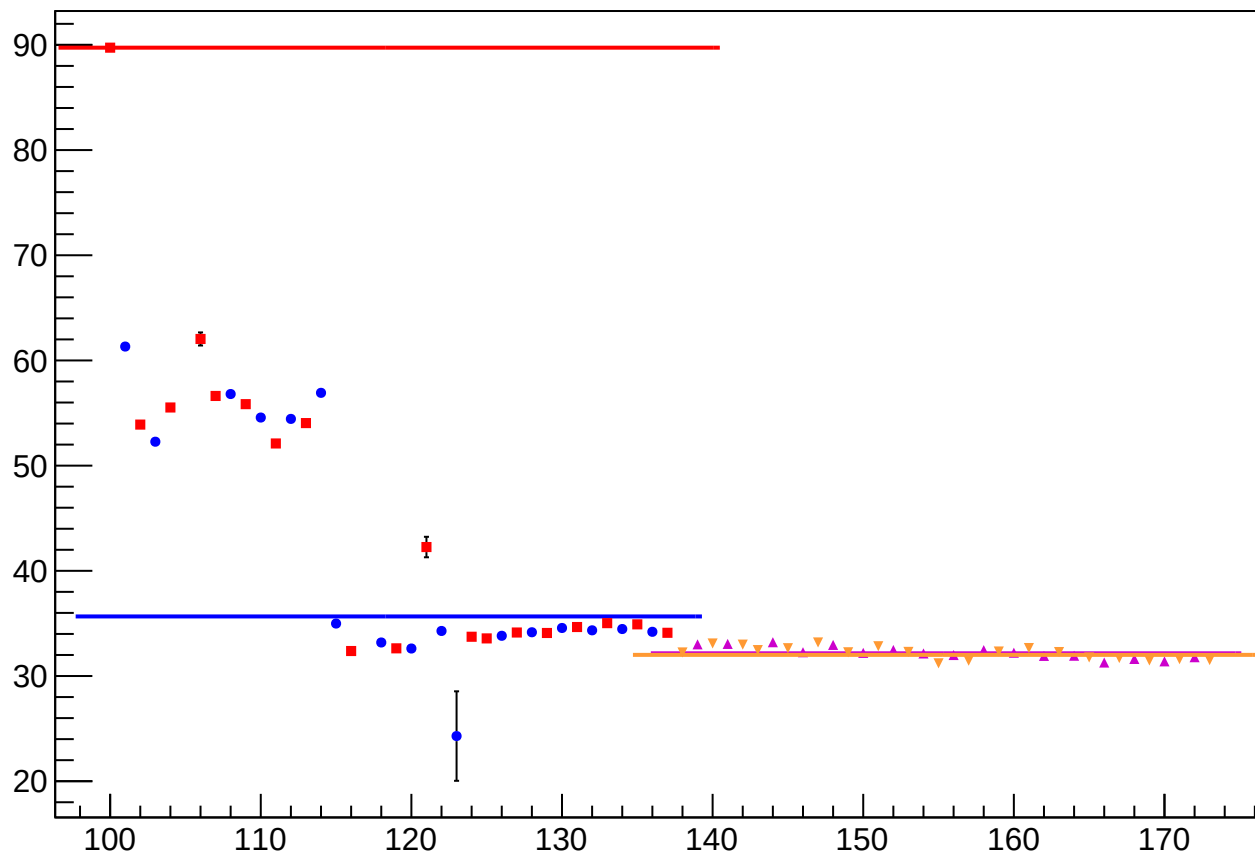
Right: 0.193+/-0.000 χ^2/NDF : 19578.7/35

In: 0.193+/-0.000 χ^2/NDF :83538.6/33

Out: 0.318+/-0.001 χ^2/NDF :8860.8/37

All: 0.193+/-0.000 χ^2/NDF : 147680.2/71

dit_sam5_4aY_slope vs Slug, Sign Corrected



Right In: 35.664 $\pm$ 0.011 χ^2 /NDF: 218662.5/16

Left Out: 32.010 $\pm$ 0.003 χ^2 /NDF:21553.9/18

Right Out: 89.735 $\pm$ 0.000 χ^2 /NDF: 25801560.6/18

Left In: 32.160 $\pm$ 0.004 χ^2 /NDF:11925.1/16

Left: 32.078 $\pm$ 0.002 χ^2 /NDF: 34446.2/35

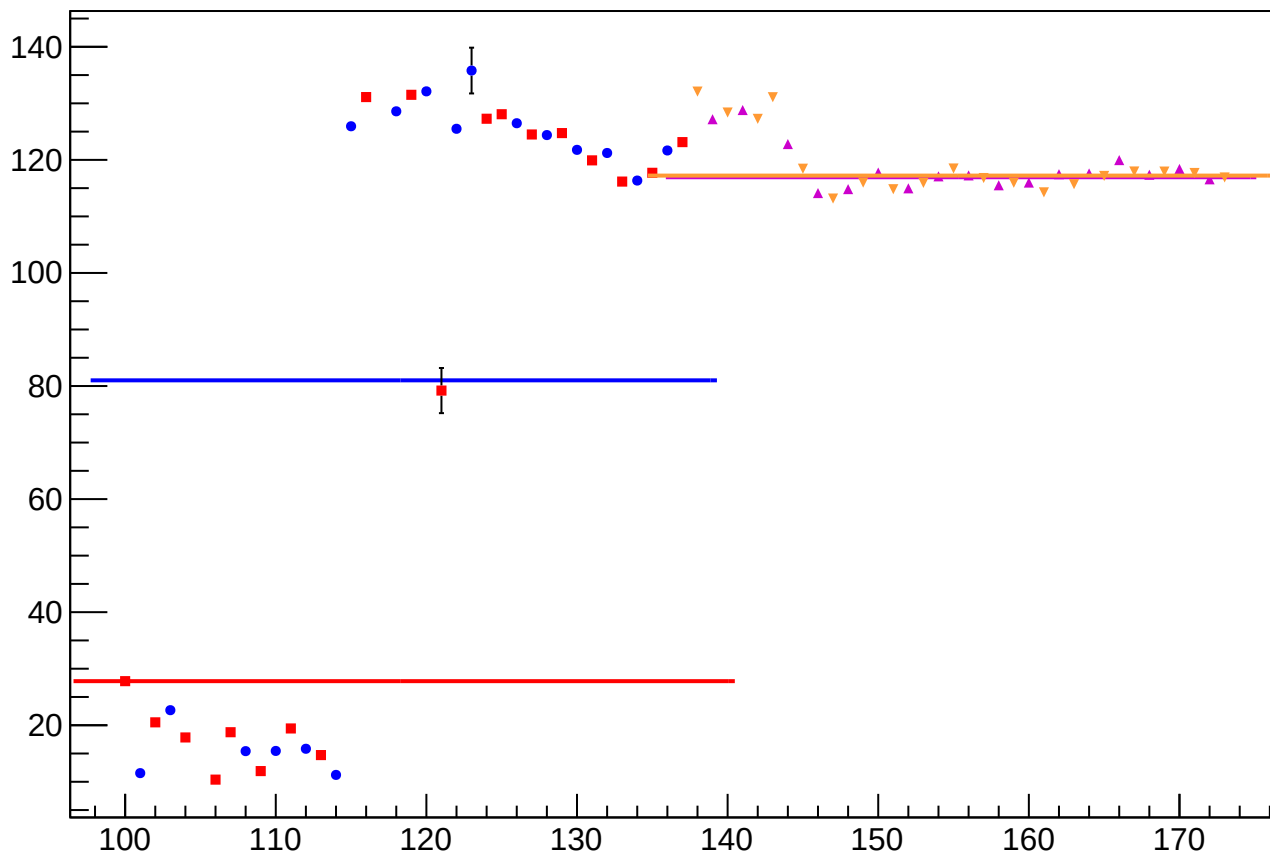
Right: 89.735 $\pm$ 0.000 χ^2 /NDF: 48650023.7/35

In: 32.475 $\pm$ 0.003 χ^2 /NDF:317075.5/33

Out: 89.735 $\pm$ 0.000 χ^2 /NDF:342233663.3/37

All: 89.735 $\pm$ 0.000 χ^2 /NDF: 625364486.1/71

dit_sam5_4eY_slope vs Slug, Sign Corrected



Right In: 81.005 $\pm$ 0.035 χ^2 /NDF: 2228881.4/16

Left Out: 117.220 $\pm$ 0.008 χ^2 /NDF: 141723.3/18

Right Out: 27.798 $\pm$ 0.000 χ^2 /NDF: 9183707.8/18

Left In: 116.929 $\pm$ 0.009 χ^2 /NDF: 43200.4/16

Left: 117.092 $\pm$ 0.006 χ^2 /NDF: 185518.2/35

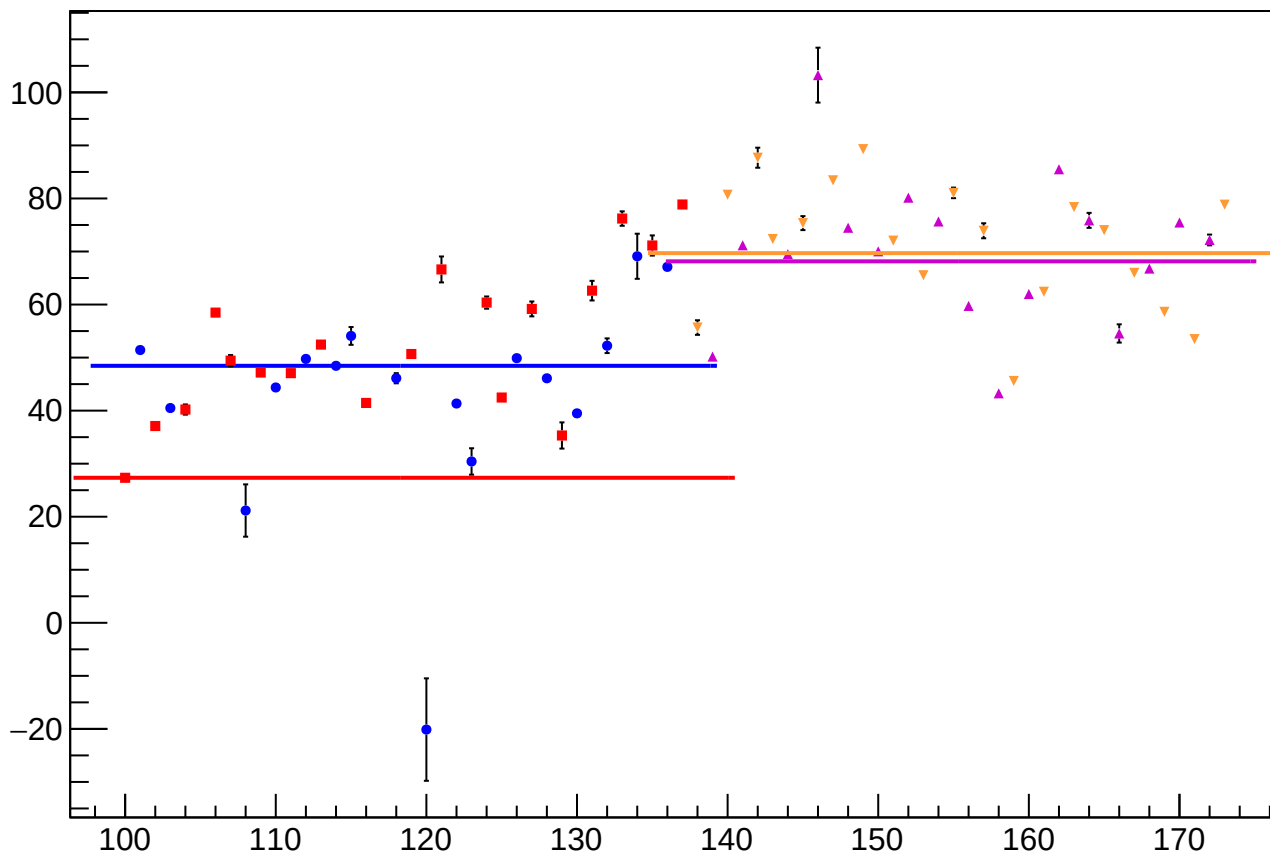
Right: 27.798 $\pm$ 0.000 χ^2 /NDF: 13786729.0/35

In: 114.676 $\pm$ 0.009 χ^2 /NDF: 3286449.0/33

Out: 27.798 $\pm$ 0.000 χ^2 /NDF: 136852291.5/37

All: 27.798 $\pm$ 0.000 χ^2 /NDF: 241058277.5/71

dit_sam6_4aX_slope vs Slug, Sign Corrected



Right In: 48.450 $\pm$ 0.000 χ^2/NDF : 2751.4/16

Left Out: 69.695 $\pm$ 0.168 χ^2/NDF : 5072.0/18

Right Out: 27.342 $\pm$ 0.000 χ^2/NDF : 25810.4/18

Left In: 68.146 $\pm$ 0.148 χ^2/NDF : 4912.9/16

Left: 68.824 $\pm$ 0.111 χ^2/NDF : 10032.6/35

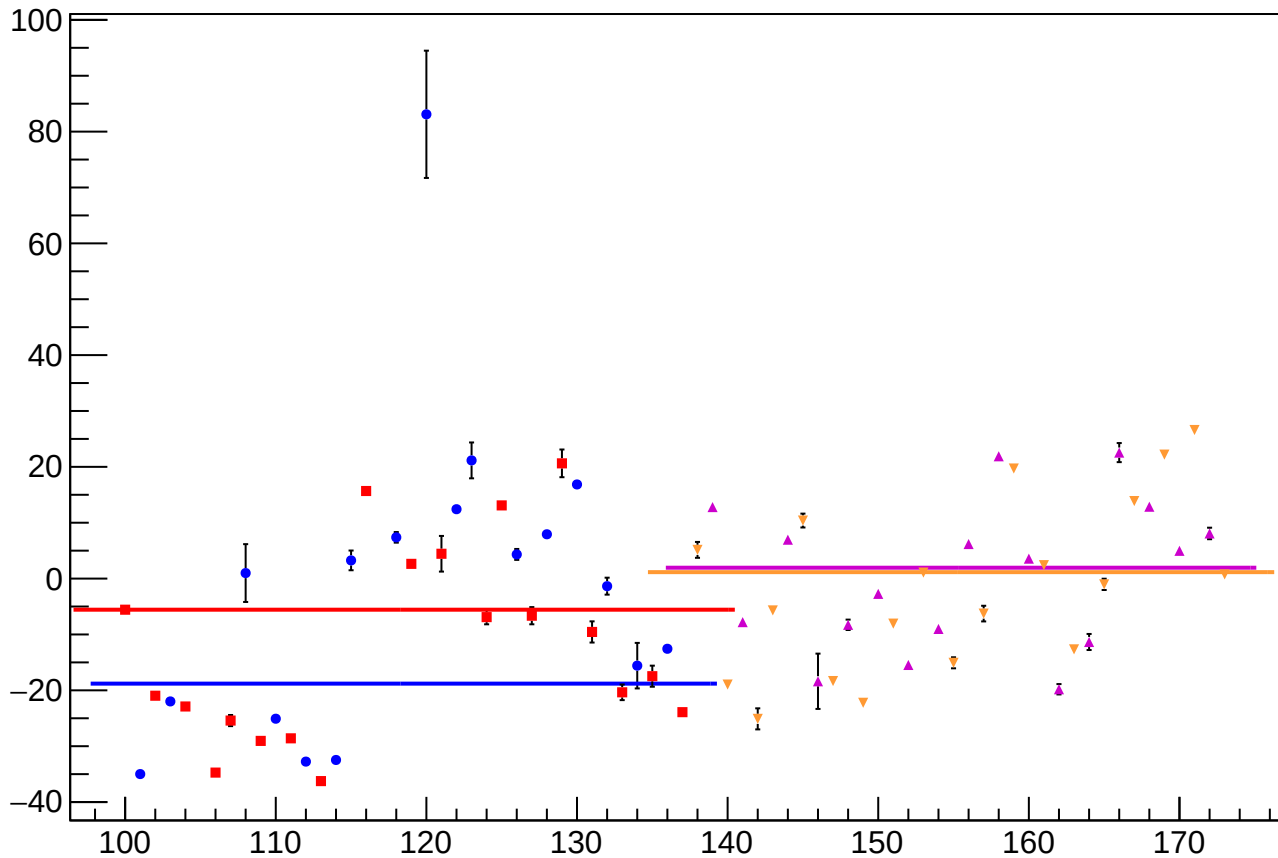
Right: 28.365 $\pm$ 0.000 χ^2/NDF : 1026290104888328

In: 48.450 $\pm$ 0.000 χ^2/NDF : 25311.7/33

Out: 27.342 $\pm$ 0.000 χ^2/NDF : 94313.9/37

All: 28.365 $\pm$ 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: 1.154 ± 0.168 $\chi^2/\text{NDF}: 8097.5/18$

Right Out: -5.568 ± 0.000 $\chi^2/\text{NDF}: 23097.3/18$

Left In: 1.947 ± 0.148 $\chi^2/\text{NDF}: 4757.7/16$

Left: 1.601 ± 0.111 $\chi^2/\text{NDF}: 12867.7/35$

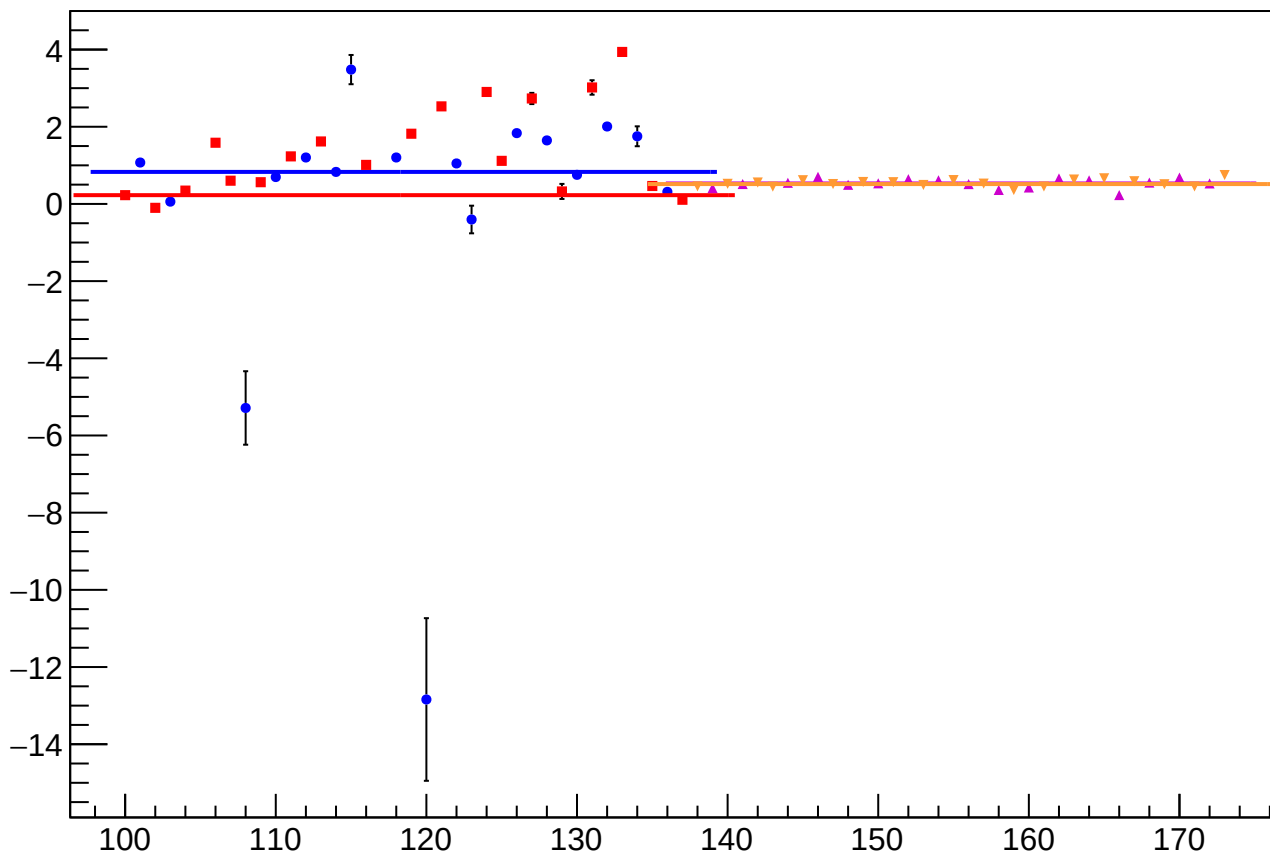
Right: -5.568 ± 0.000 $\chi^2/\text{NDF}: 42808.5/35$

In: -8.372 ± 0.105 $\chi^2/\text{NDF}: 26341.2/33$

Out: -5.568 ± 0.000 $\chi^2/\text{NDF}: 32797.3/37$

All: -5.568 ± 0.000 $\chi^2/\text{NDF}: 59856.1/71$

dit_sam6_11X12X_slope vs Slug, Sign Corrected



Right In: 0.830 ± 0.000 $\chi^2/\text{NDF}: 14882.7/16$

Left Out: 0.515 ± 0.001 $\chi^2/\text{NDF}: 12512.2/18$

Right Out: 0.227 ± 0.000 $\chi^2/\text{NDF}: 11819.9/18$

Left In: 0.531 ± 0.001 $\chi^2/\text{NDF}: 9893.6/16$

Left: 0.523 ± 0.001 $\chi^2/\text{NDF}: 22523.0/35$

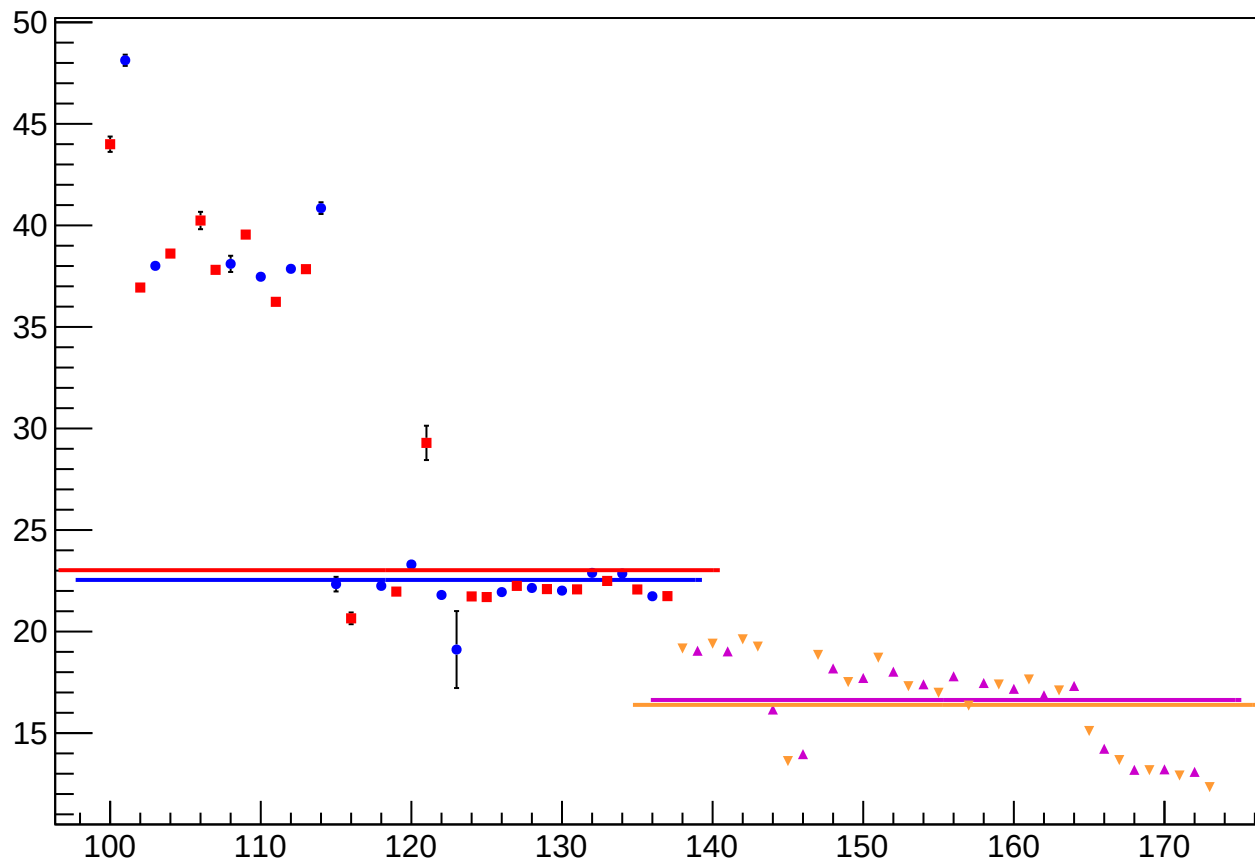
Right: 0.289 ± 0.000 $\chi^2/\text{NDF}: 29066082561457147$

In: 0.830 ± 0.000 $\chi^2/\text{NDF}: 102545.8/33$

Out: 0.227 ± 0.000 $\chi^2/\text{NDF}: 96913.1/37$

All: 0.289 ± 0.000 $\chi^2/\text{NDF}: 29066082561457$

dit_sam6_4aY_slope vs Slug, Sign Corrected



Right In: 22.543+/-0.009 χ^2/NDF : 105452.8/16

Left Out: 16.390+/-0.005 χ^2/NDF : 217568.8/18

Right Out: 23.023+/-0.009 χ^2/NDF : 165838.0/18

Left In: 16.632+/-0.006 χ^2/NDF : 113459.8/16

Left: 16.490+/-0.004 χ^2/NDF : 331978.2/35

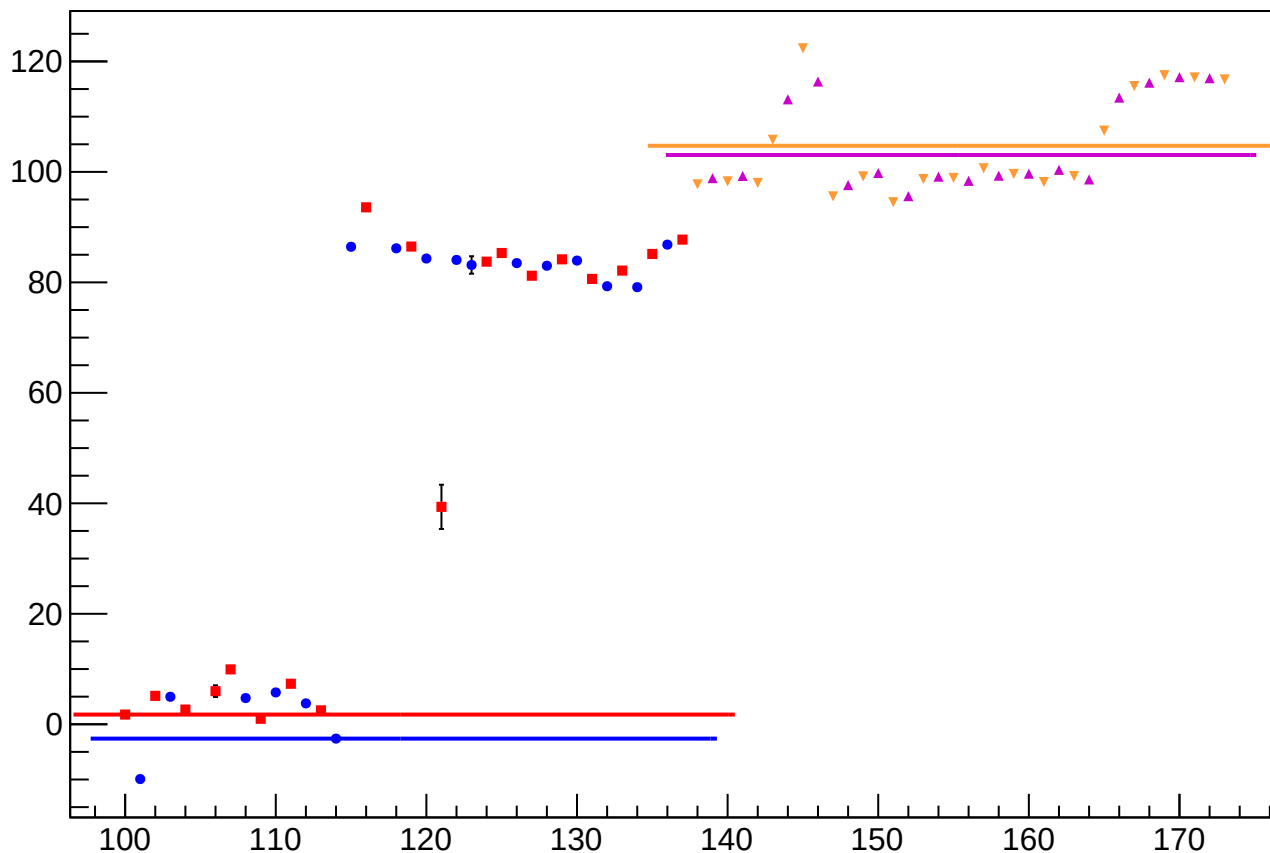
Right: 22.790+/-0.006 χ^2/NDF : 272655.1/35

In: 18.371+/-0.005 χ^2/NDF : 503455.4/33

Out: 17.963+/-0.004 χ^2/NDF : 793510.5/37

All: 18.139+/-0.003 χ^2/NDF : 1300664.2/71

dit_sam6_4eY_slope vs Slug, Sign Corrected



Right In: -2.596 ± 0.000 χ^2/NDF : 7395182.7/16

Left Out: 104.729 ± 0.011 χ^2/NDF : 662545.3/18

Right Out: 1.758 ± 0.000 χ^2/NDF : 4230949.4/18

Left In: 103.059 ± 0.011 χ^2/NDF : 467371.3/16

Left: 103.929 ± 0.008 χ^2/NDF : 1141488.8/35

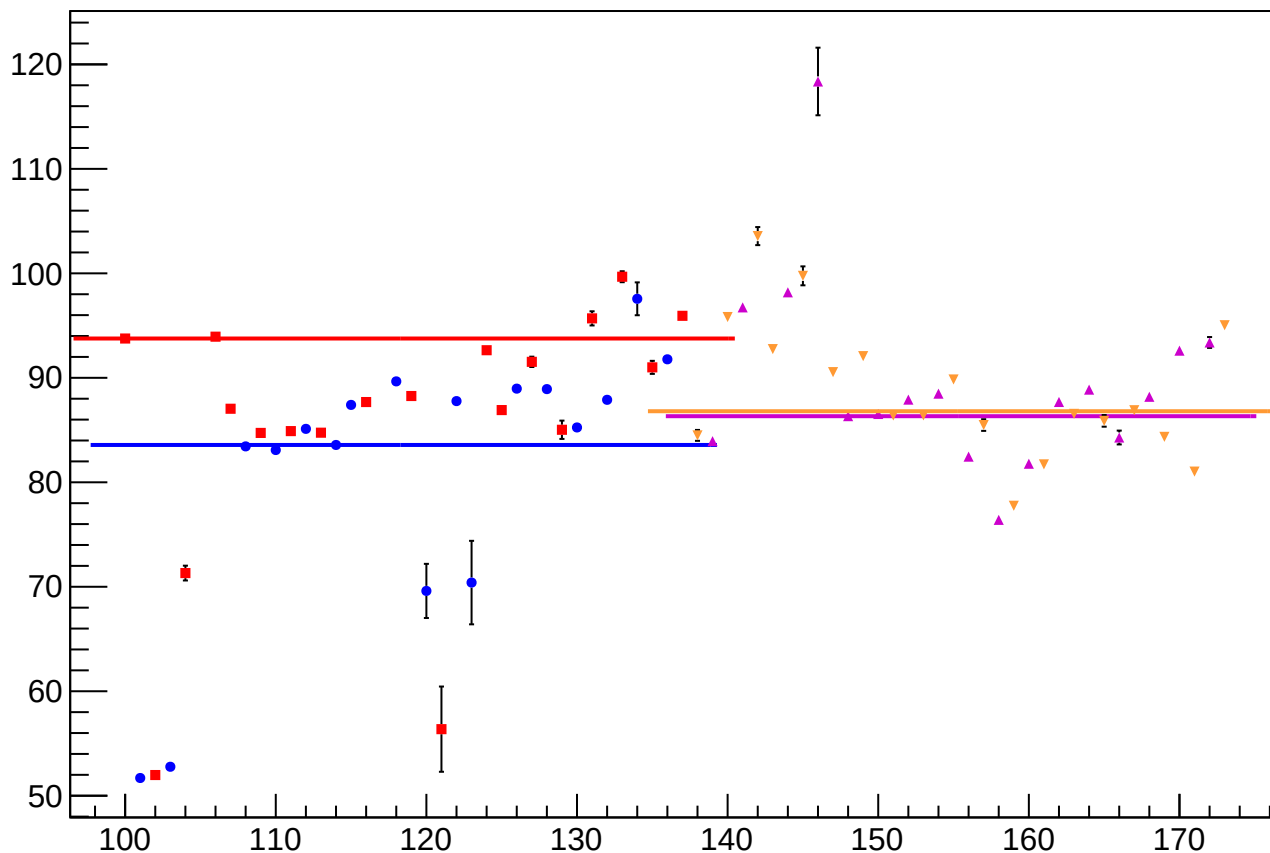
Right: -1.059 ± 0.000 χ^2/NDF : 3731791751577379

In: -2.596 ± 0.000 χ^2/NDF : 96692196.7/33

Out: 1.758 ± 0.000 χ^2/NDF : 96730888.3/37

All: -1.059 ± 0.000 χ^2/NDF : 3731791751577

dit_sam7_4aX_slope vs Slug, Sign Corrected



Right In: 83.573 $\pm$ 0.000 χ^2 /NDF: 49468.0/16

Left Out: 86.802 $\pm$ 0.069 χ^2 /NDF:6755.1/18

Right Out: 93.762 $\pm$ 0.000 χ^2 /NDF: 82848.8/18

Left In: 86.327 $\pm$ 0.059 χ^2 /NDF:7348.4/16

Left: 86.526 $\pm$ 0.045 χ^2 /NDF: 14130.9/35

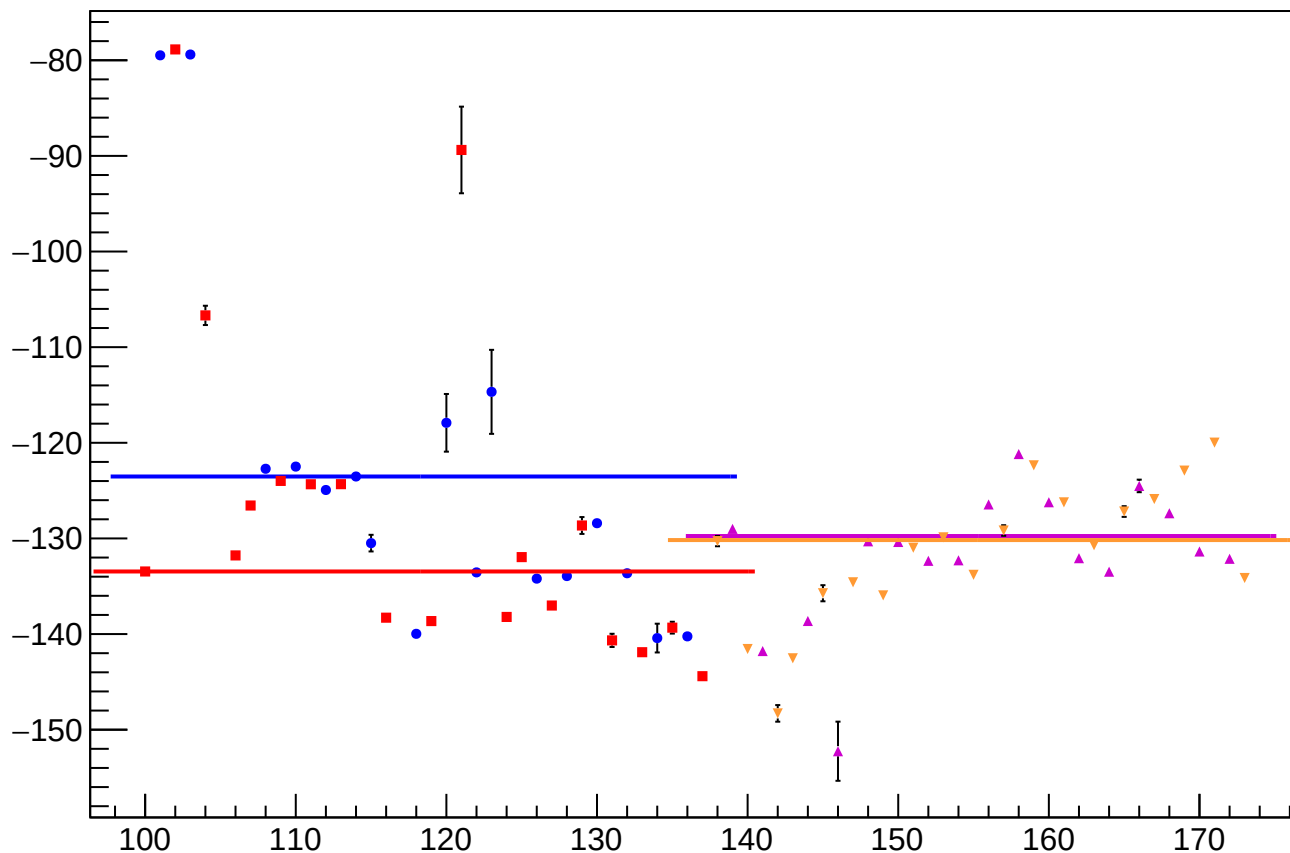
Right: 87.169 $\pm$ 0.000 χ^2 /NDF: 1995684404141260

In: 83.573 $\pm$ 0.000 χ^2 /NDF:59011.0/33

Out: 93.762 $\pm$ 0.000 χ^2 /NDF:99710.9/37

All: 87.169 $\pm$ 0.000 χ^2 /NDF: 1995684404141260

dit_sam7_4eX_slope vs Slug, Sign Corrected



Right In: -123.524 ± 0.000 $\chi^2/\text{NDF}: 160356.5/16$

Left Out: -130.172 ± 0.069 $\chi^2/\text{NDF}: 9380.0/18$

Right Out: -133.456 ± 0.000 $\chi^2/\text{NDF}: 394896.3/18$

Left In: -129.748 ± 0.058 $\chi^2/\text{NDF}: 5464.0/16$

Left: -129.924 ± 0.044 $\chi^2/\text{NDF}: 14866.1/35$

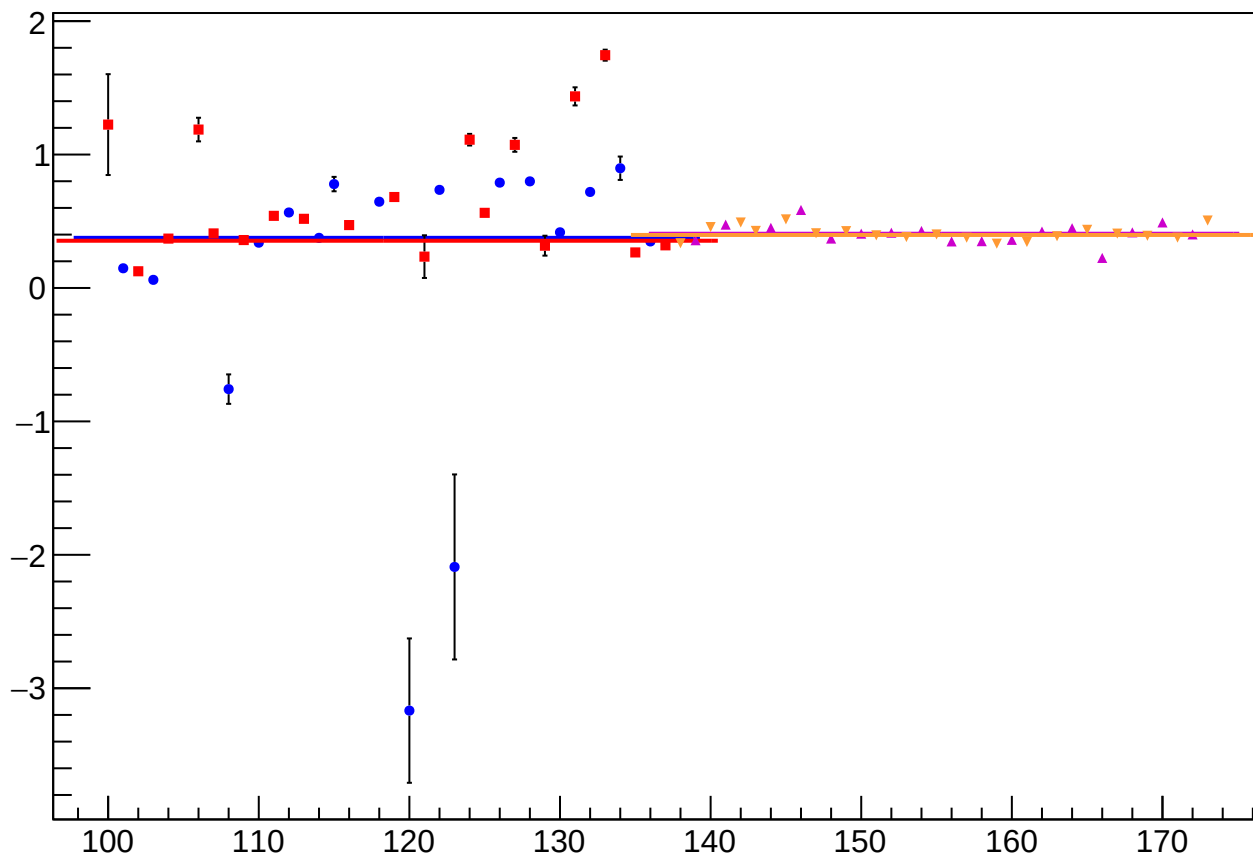
Right: -124.716 ± 0.000 $\chi^2/\text{NDF}: 64467869901657$

In: -123.524 ± 0.000 $\chi^2/\text{NDF}: 177360.0/33$

Out: -133.456 ± 0.000 $\chi^2/\text{NDF}: 406555.0/37$

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: 0.397 $\pm$ 0.001 χ^2 /NDF: 7756.5/18

Right Out: 0.354 $\pm$ 0.002 χ^2 /NDF: 4592.7/18

Left In: 0.406 $\pm$ 0.000 χ^2 /NDF: 7252.7/16

Left: 0.402 $\pm$ 0.000 χ^2 /NDF: 15168.2/35

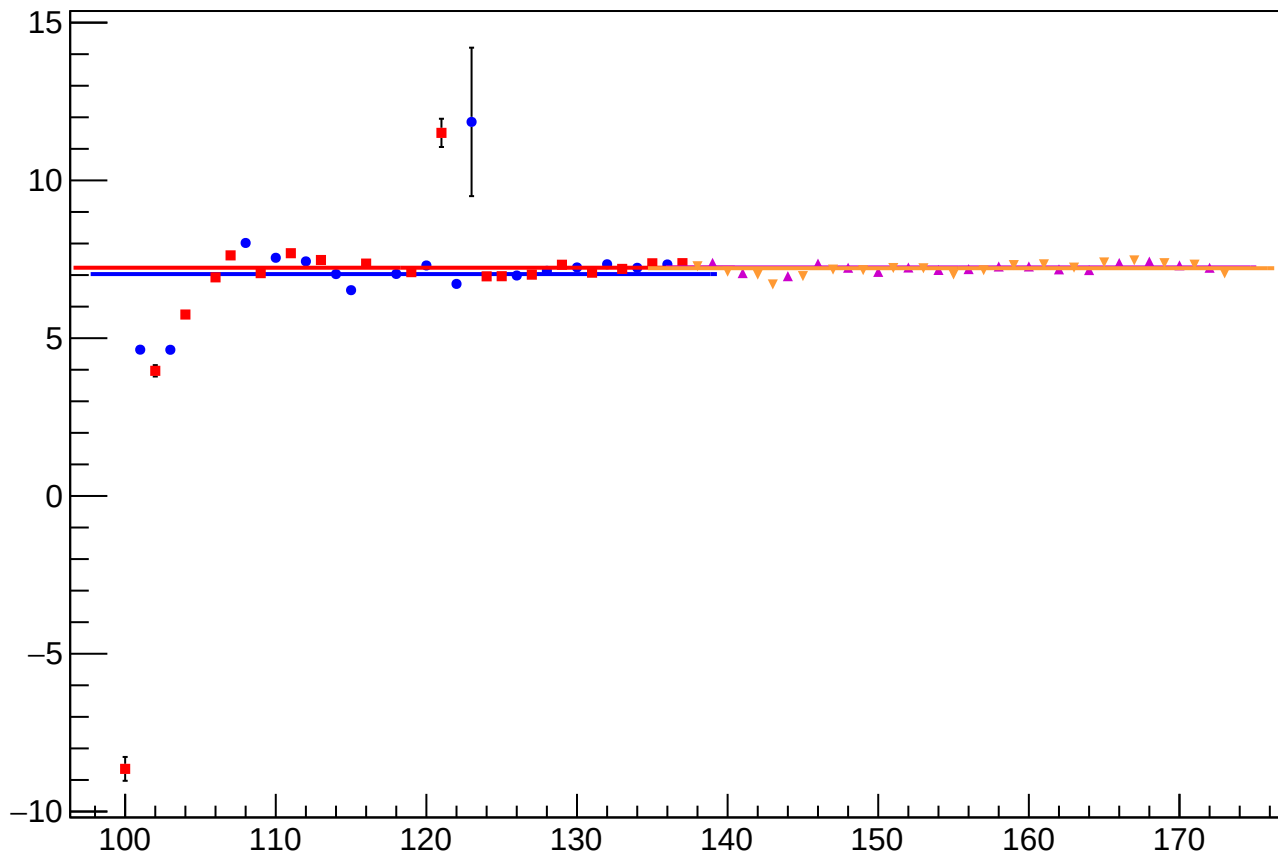
Right: 0.376 $\pm$ 0.000 χ^2 /NDF: 8762.1/35

In: 0.376 $\pm$ 0.000 χ^2 /NDF: 15073.3/33

Out: 0.393 $\pm$ 0.000 χ^2 /NDF: 13085.9/37

All: 0.376 $\pm$ 0.000 χ^2 /NDF: 29326.4/71

dit_sam7_4aY_slope vs Slug, Sign Corrected



Right In: 7.032 $\pm$ 0.000 χ^2 /NDF: 19770.1/16

Left Out: 7.217 $\pm$ 0.001 χ^2 /NDF: 29007.7/18

Right Out: 7.233 $\pm$ 0.002 χ^2 /NDF: 10061.8/18

Left In: 7.244 $\pm$ 0.001 χ^2 /NDF: 18001.4/16

Left: 7.232 $\pm$ 0.001 χ^2 /NDF: 47435.3/35

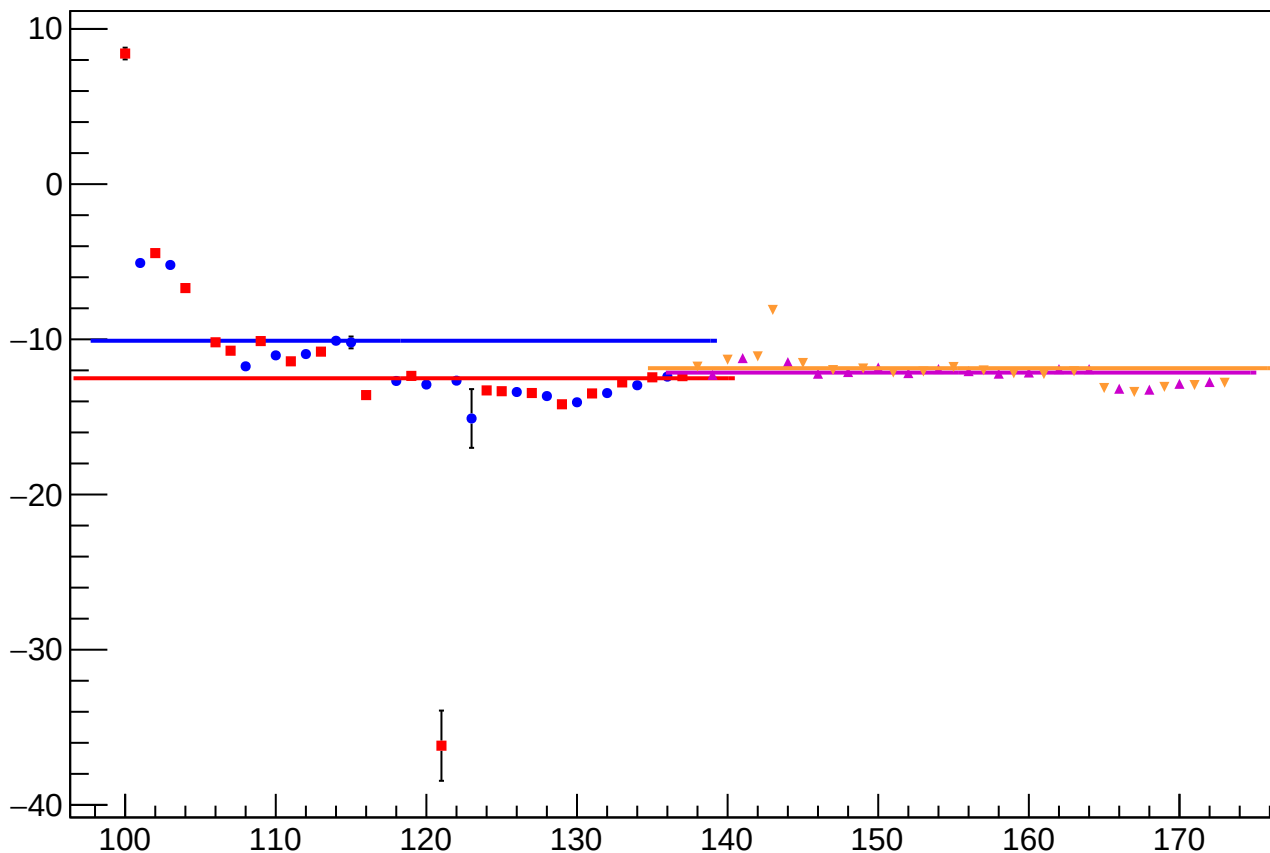
Right: 7.032 $\pm$ 0.000 χ^2 /NDF: 36990.7/35

In: 7.032 $\pm$ 0.000 χ^2 /NDF: 98508.9/33

Out: 7.219 $\pm$ 0.001 χ^2 /NDF: 39107.7/37

All: 7.032 $\pm$ 0.000 χ^2 /NDF: 184036.1/71

dit_sam7_4eY_slope vs Slug, Sign Corrected



Right In: -10.092 ± 0.000 χ^2/NDF : 543504.2/16

Left Out: -11.860 ± 0.002 χ^2/NDF : 483950.9/18

Right Out: -12.509 ± 0.004 χ^2/NDF : 103509.4/18

Left In: -12.143 ± 0.002 χ^2/NDF : 38624.5/16

Left: -12.001 ± 0.001 χ^2/NDF : 535318.3/35

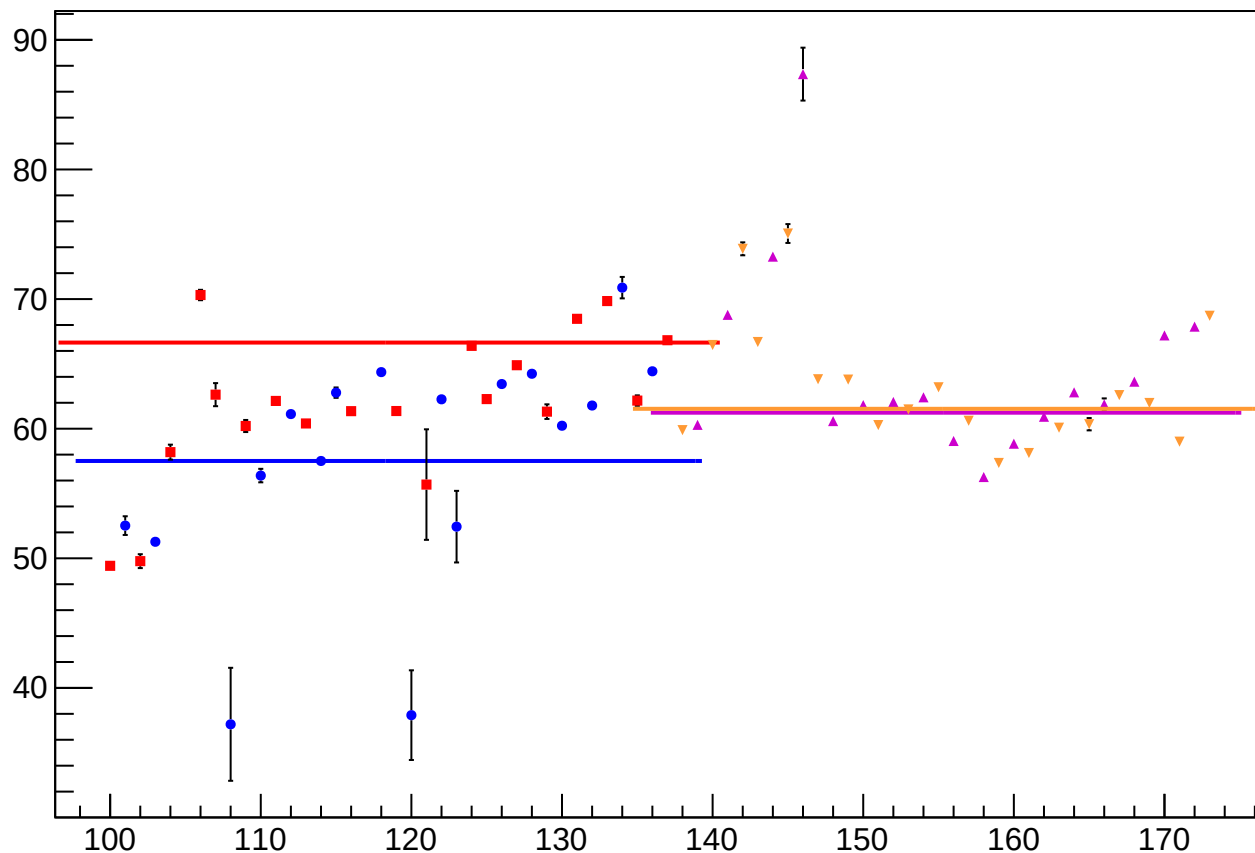
Right: -10.092 ± 0.000 χ^2/NDF : 1062248.5/35

In: -10.092 ± 0.000 χ^2/NDF : 1913931.4/33

Out: -11.978 ± 0.002 χ^2/NDF : 611937.6/37

All: -10.092 ± 0.000 χ^2/NDF : 3913559.0/71

dit_sam8_4aX_slope vs Slug, Sign Corrected



Right In: 57.510 ± 0.000 χ^2/NDF : 8108.6/16

Left Out: 61.535 ± 0.042 χ^2/NDF : 6957.6/18

Right Out: 66.645 ± 0.013 χ^2/NDF : 8163.8/18

Left In: 61.234 ± 0.036 χ^2/NDF : 7768.8/16

Left: 61.360 ± 0.027 χ^2/NDF : 14756.3/35

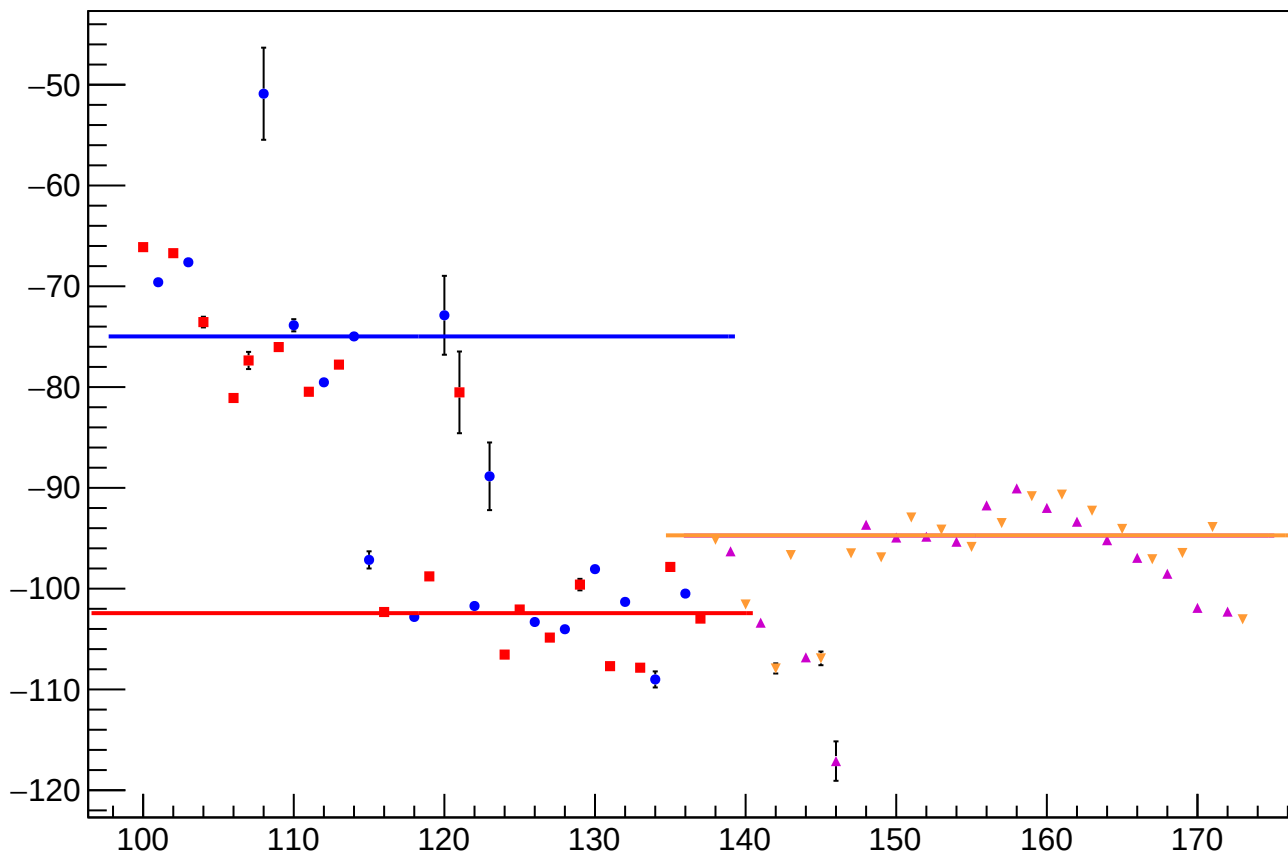
Right: 57.510 ± 0.000 χ^2/NDF : 504438.3/35

In: 57.510 ± 0.000 χ^2/NDF : 26794.6/33

Out: 66.192 ± 0.012 χ^2/NDF : 28659.9/37

All: 57.510 ± 0.000 χ^2/NDF : 539297.0/71

dit_sam8_4eX_slope vs Slug, Sign Corrected



Right In: -74.974 ± 0.000 $\chi^2/\text{NDF}: 130544.0/16$

Left Out: -94.711 ± 0.042 $\chi^2/\text{NDF}: 7536.5/18$

Right Out: -102.430 ± 0.018 $\chi^2/\text{NDF}: 50377.5/18$

Left In: -94.735 ± 0.036 $\chi^2/\text{NDF}: 9234.9/16$

Left: -94.725 ± 0.027 $\chi^2/\text{NDF}: 16771.6/35$

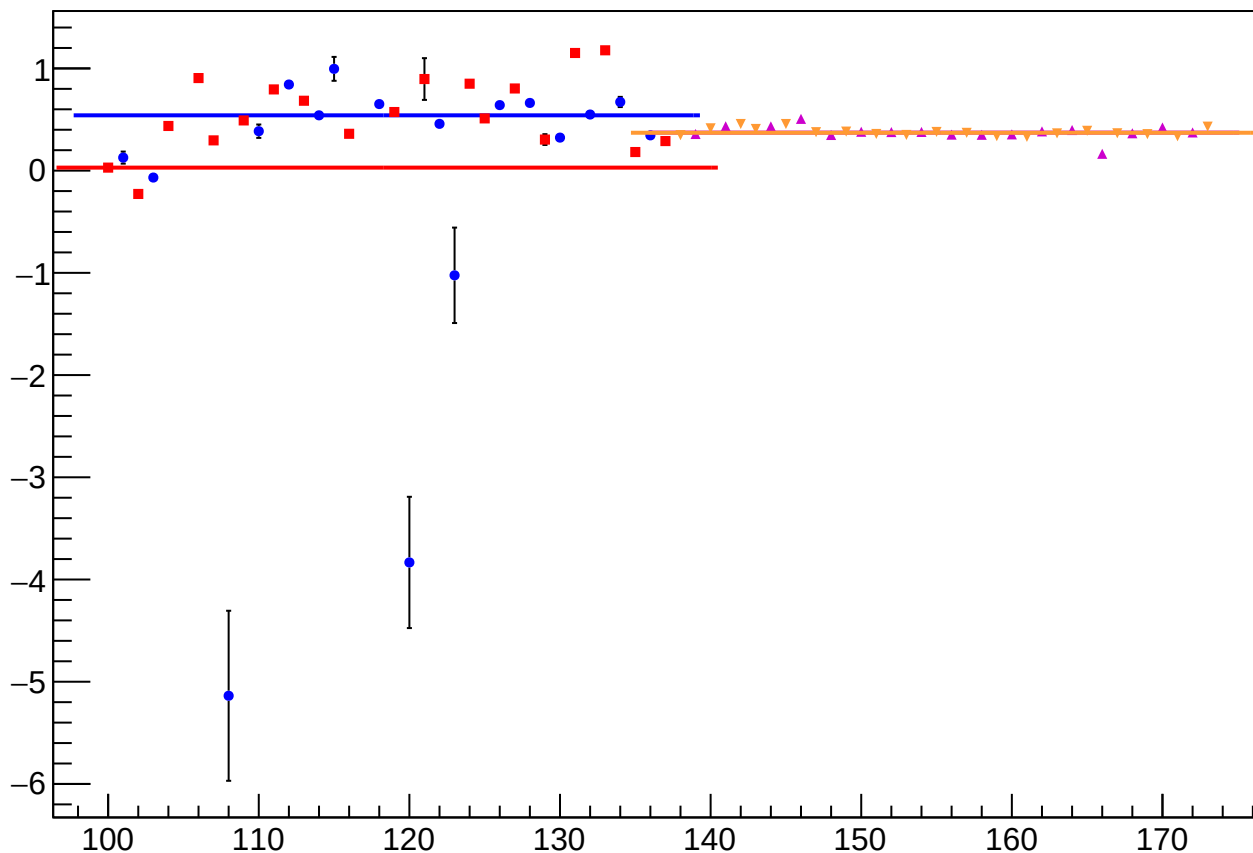
Right: -74.974 ± 0.000 $\chi^2/\text{NDF}: 2556524.2/35$

In: -74.974 ± 0.000 $\chi^2/\text{NDF}: 440022.3/33$

Out: -101.249 ± 0.016 $\chi^2/\text{NDF}: 86641.4/37$

All: -74.974 ± 0.000 $\chi^2/\text{NDF}: 3095274.3/71$

dit_sam8_11X12X_slope vs Slug, Sign Corrected



Right In: 0.541+/-0.000 χ^2/NDF : 29180.5/16

Left Out: 0.371+/-0.000 χ^2/NDF : 6325.9/18

Right Out: 0.030+/-0.000 χ^2/NDF : 121659.5/18

Left In: 0.372+/-0.000 χ^2/NDF : 5744.0/16

Left: 0.371+/-0.000 χ^2/NDF : 12077.5/35

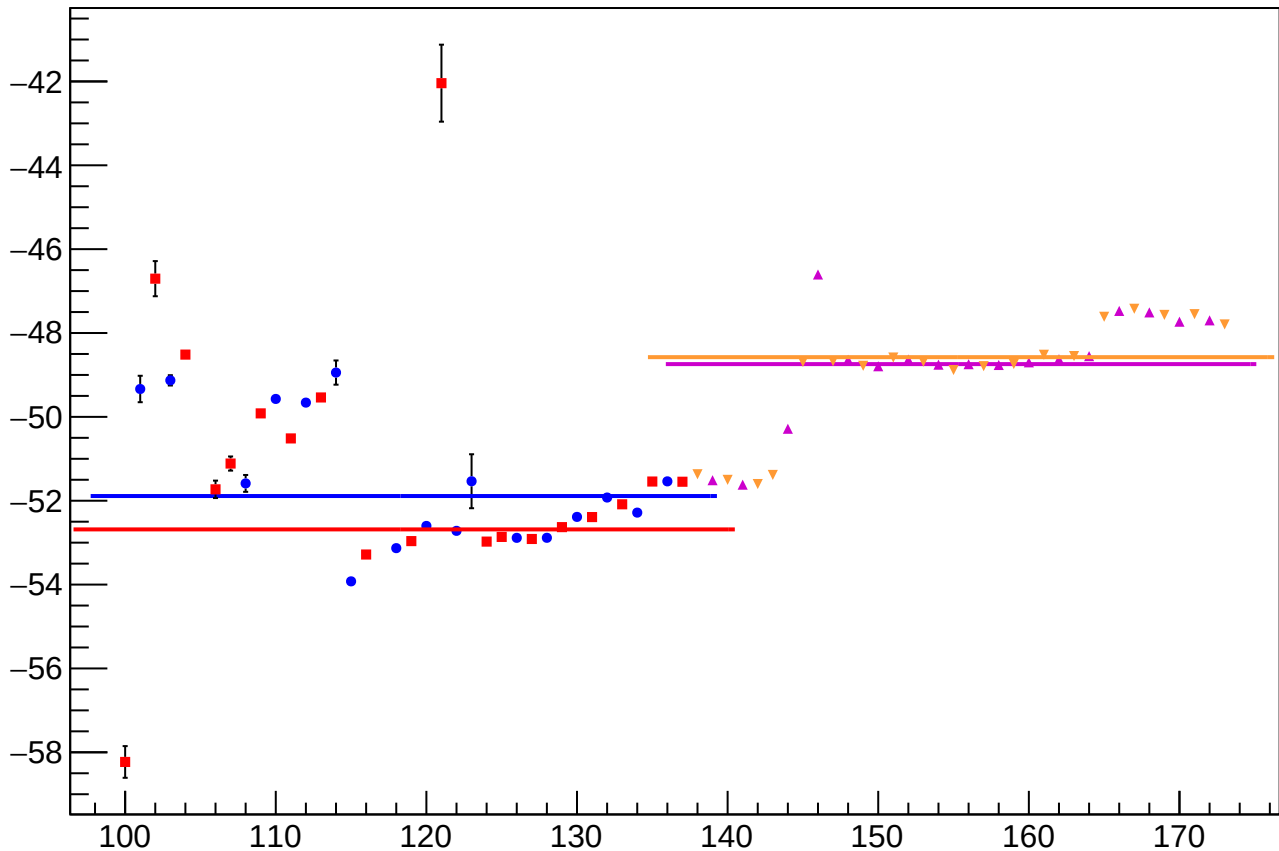
Right: 0.030+/-0.000 χ^2/NDF : 23314297700963382

In: 0.541+/-0.000 χ^2/NDF : 315119.5/33

Out: 0.030+/-0.000 χ^2/NDF : 933919.8/37

All: 0.030+/-0.000 χ^2/NDF : 23314297700963382

dit_sam8_4aY_slope vs Slug, Sign Corrected



Right In: -51.888 ± 0.002 χ^2/NDF : 77585.2/16

Left Out: -48.576 ± 0.001 χ^2/NDF : 647105.0/18

Right Out: -52.684 ± 0.003 χ^2/NDF : 56125.8/18

Left In: -48.742 ± 0.001 χ^2/NDF : 731460.7/16

Left: -48.670 ± 0.001 χ^2/NDF : 1391011.1/35

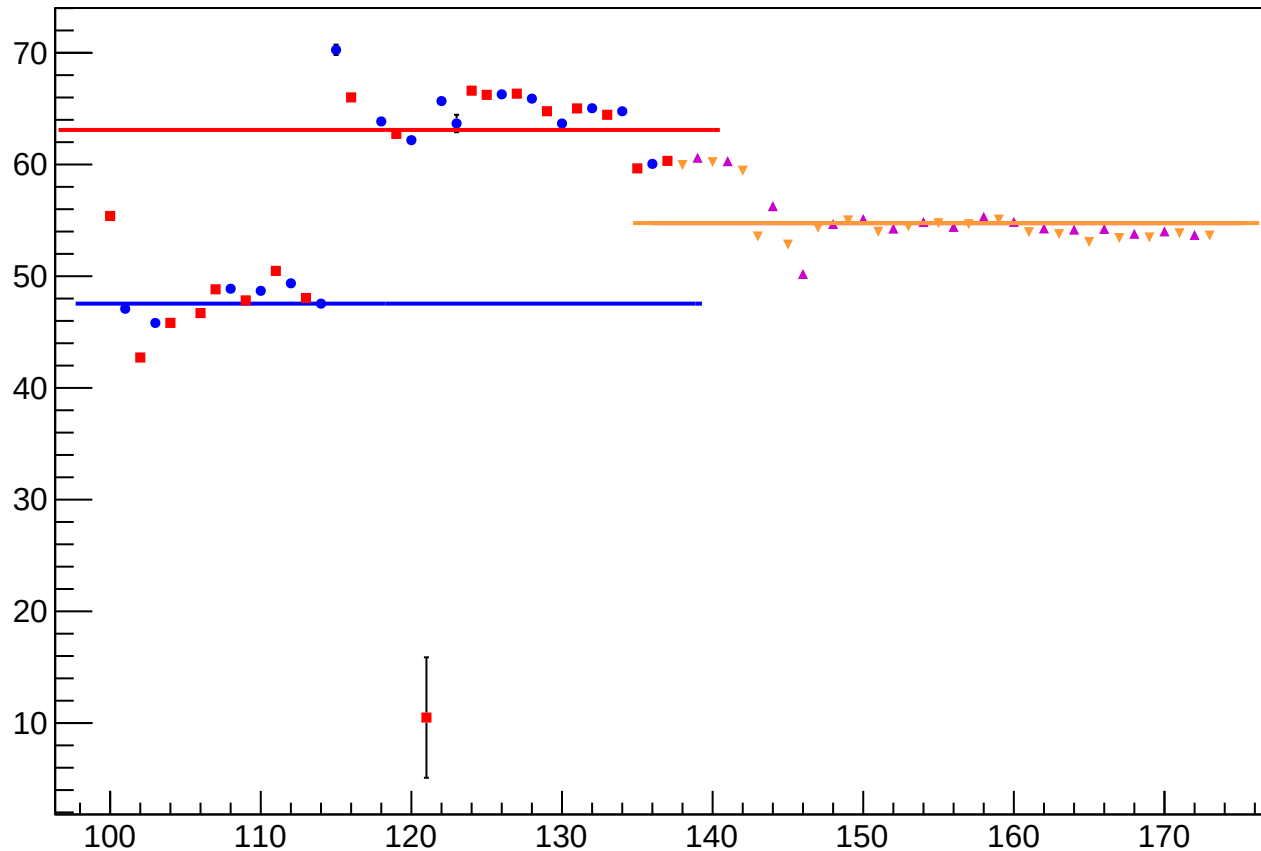
Right: -52.231 ± 0.002 χ^2/NDF : 188721.6/35

In: -49.245 ± 0.001 χ^2/NDF : 2484089.5/33

Out: -49.238 ± 0.001 χ^2/NDF : 2863791.3/37

All: -49.242 ± 0.001 χ^2/NDF : 5347906.4/71

dit_sam8_4eY_slope vs Slug, Sign Corrected



Right In: 47.545+/-0.000 χ^2/NDF : 3491700.1/16

Left Out: 54.757+/-0.003 χ^2/NDF : 282791.5/18

Right Out: 63.095+/-0.007 χ^2/NDF : 333637.2/18

Left In: 54.751+/-0.003 χ^2/NDF : 90795.2/16

Left: 54.754+/-0.002 χ^2/NDF : 373589.1/35

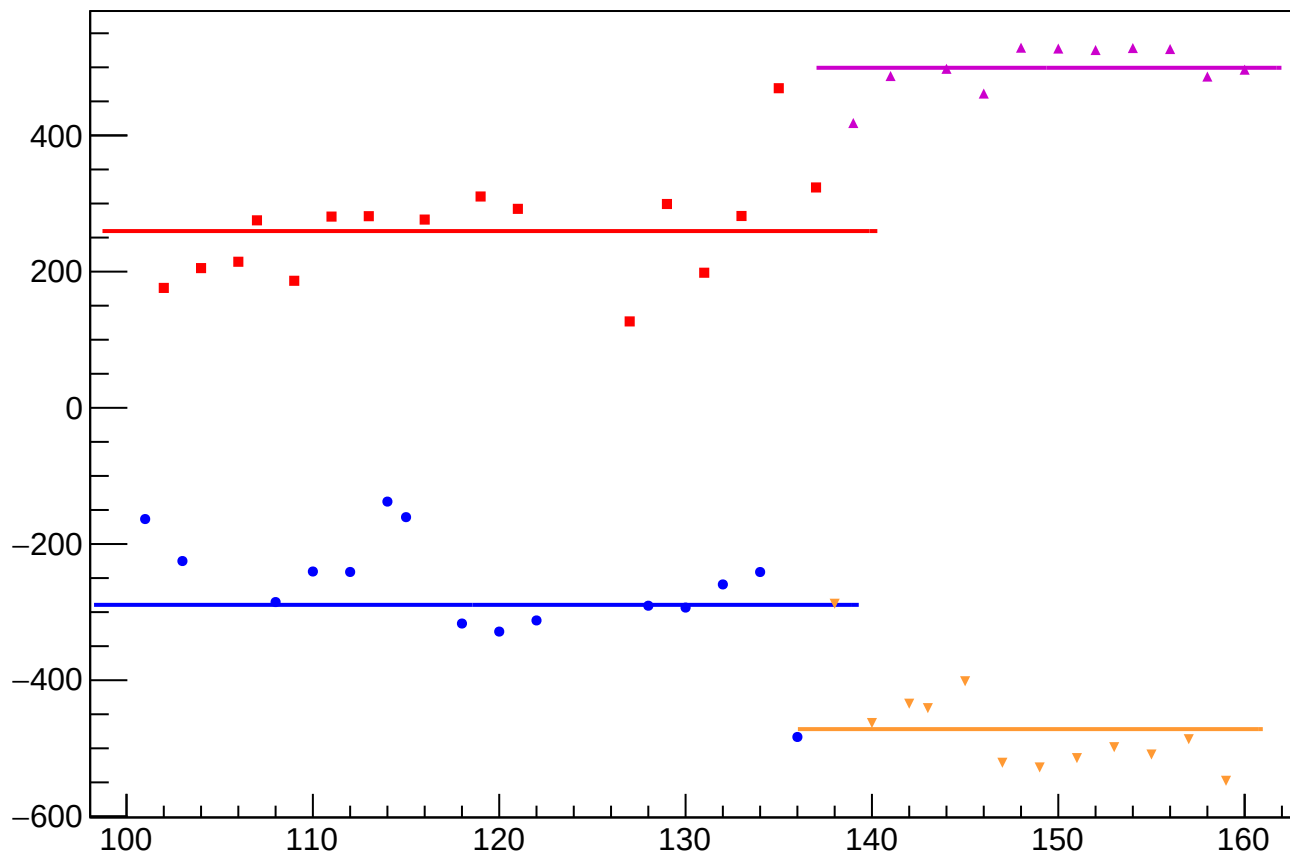
Right: 47.545+/-0.000 χ^2/NDF : 8155028.5/35

In: 47.545+/-0.000 χ^2/NDF : 11025807.9/33

Out: 55.905+/-0.003 χ^2/NDF : 1689823.2/37

All: 47.545+/-0.000 χ^2/NDF : 21805501.3/71

dit_4aX_coil1_mean vs Slug, Sign Corrected



Right In: -289.322+/-0.000

Left Out: -471.791+/-0.000

Right Out: 259.558+/-0.000

Left In: 499.323+/-0.000

χ^2/NDF : 53696816404891478649585392183934976.0/14

χ^2/NDF : 4407577357733372304653153526381281280.0/11

χ^2/NDF : 4299886792692123970784563983770714112.0/15

χ^2/NDF : 1018789461606644410107221718465511424.0/10

Left: 16.408+/-0.000 χ^2/NDF : 4387510726187305

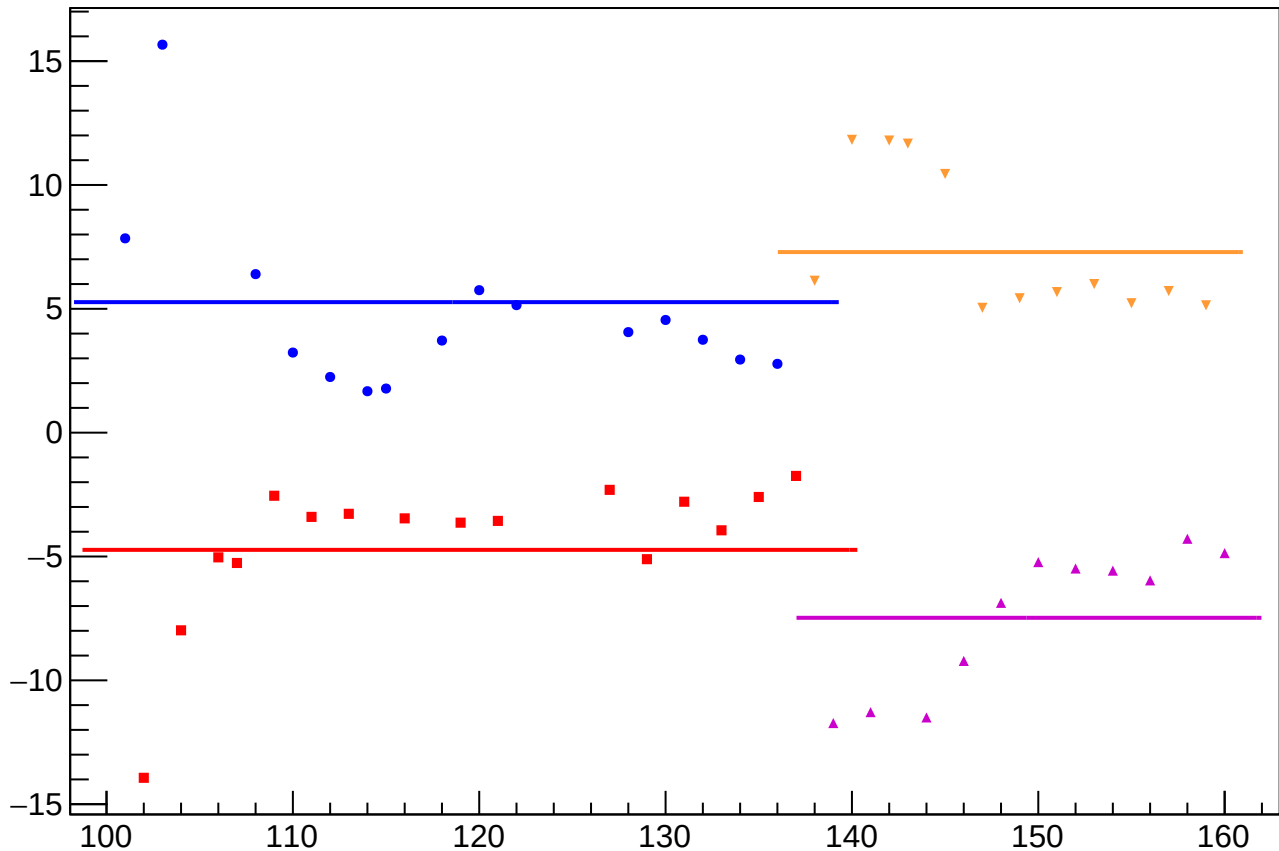
Right: -11.129+/-0.000 χ^2/NDF : 108768514077982

In: 173.938+/-0.000 χ^2/NDF : 2434992102571034

Out: -163.246+/-0.000 χ^2/NDF : 214955339400548

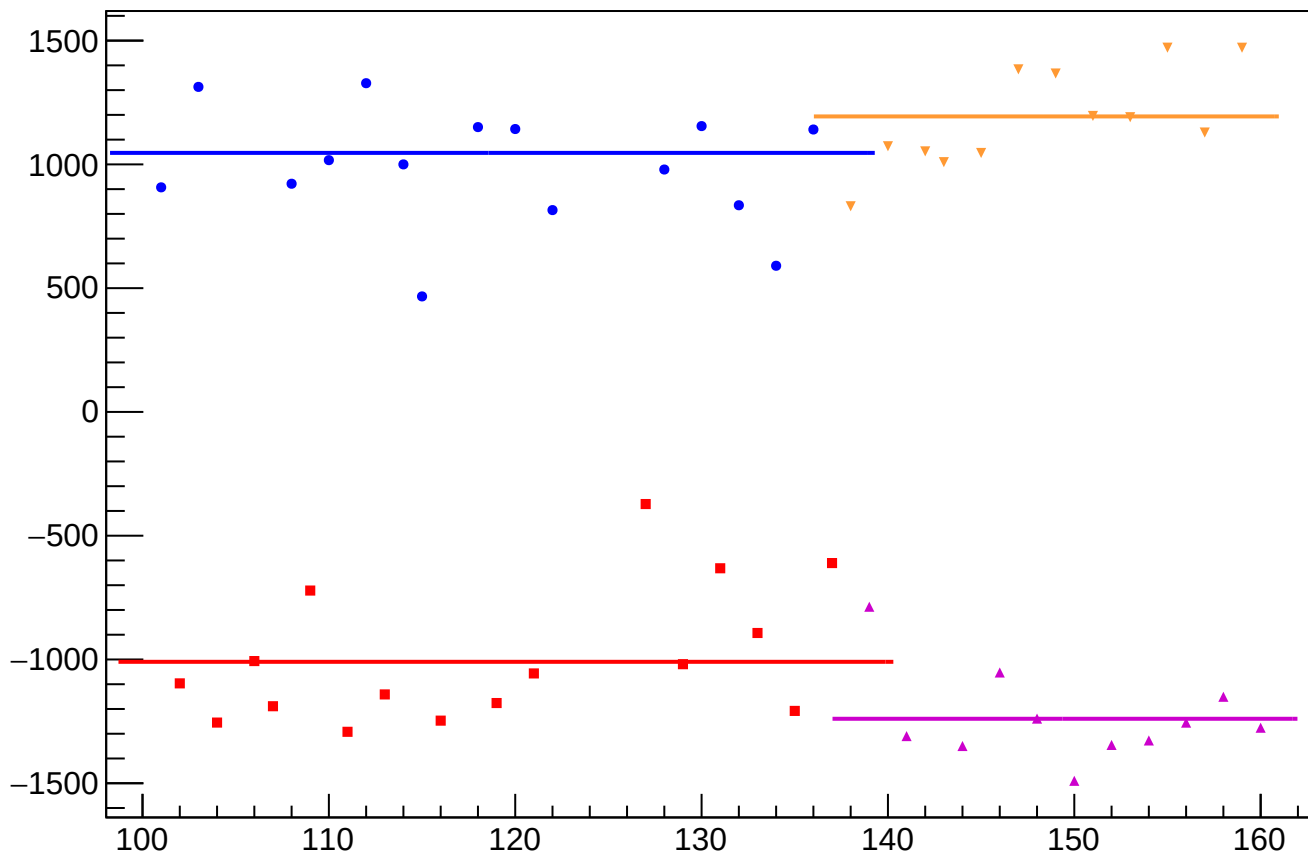
All: 4.918+/-0.000 χ^2/NDF : 54810108058073

dit_4aX_coil1_err_mean vs Slug, Sign Corrected



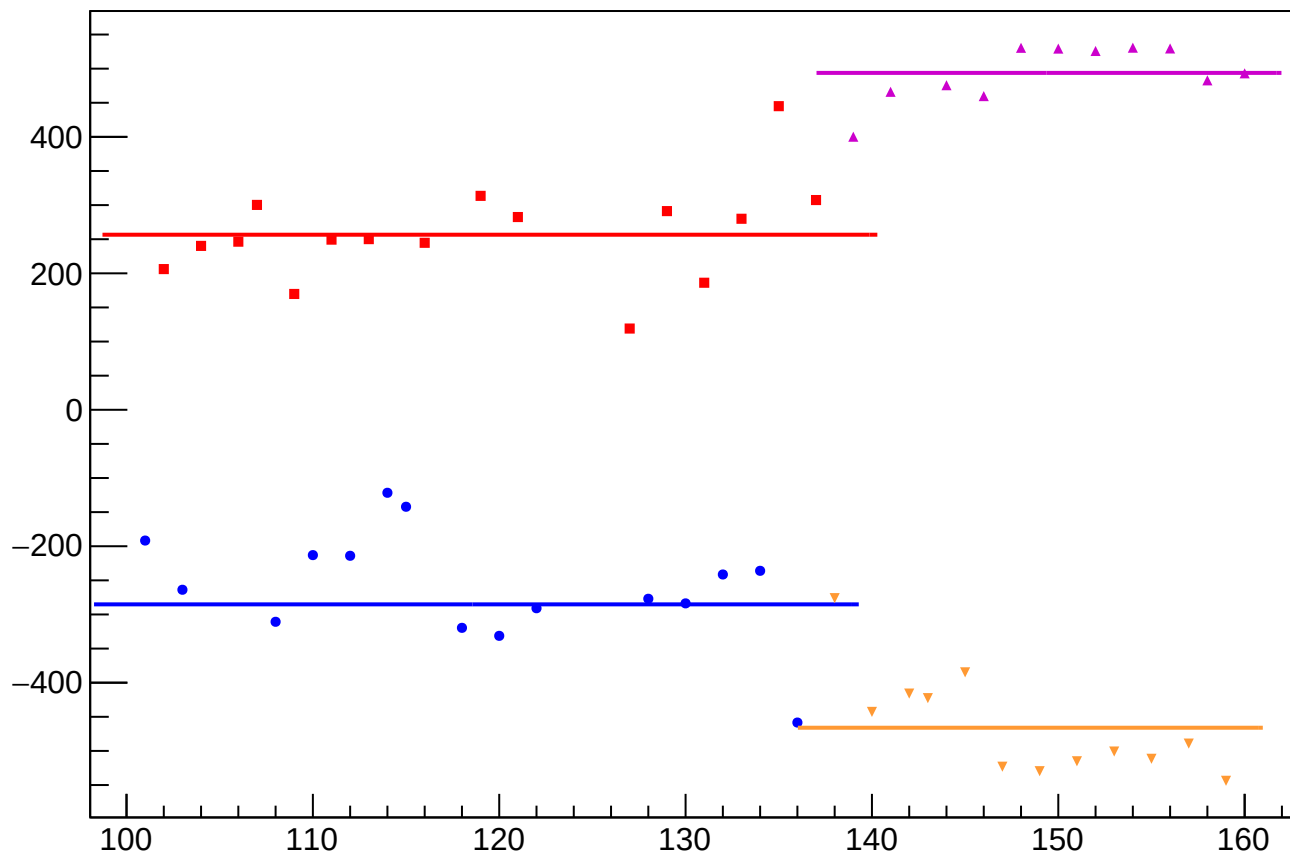
Right In: 5.270 ± 0.000 χ^2/NDF : 8709683292123798330550906790084608.0/14
 Left Out: 7.291 ± 0.000 χ^2/NDF : 6718053515172863885836432351166464.0/11
 Right Out: -4.732 ± 0.000 χ^2/NDF : 6856893072575211562802281426452480.0/15
 Left In: -7.475 ± 0.000 χ^2/NDF : 7057812139399579538870244550377472.0/10
 All: 0.007 ± 0.000 χ^2/NDF : 16250941727402.0/10

dit_4aX_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_4eX_coil1_mean vs Slug, Sign Corrected



Right In: -285.187+/-0.000

Left Out: -466.012+/-0.000

Right Out: 256.599+/-0.000

Left In: 493.780+/-0.000

χ^2/NDF : 4479585262853549838092521921291747328.0/14

χ^2/NDF : 5190970068830574132794472761412026368.0/11

χ^2/NDF : 3648271535971039165952602563191767040.0/15

χ^2/NDF : 1451794731277142230901460532226686976.0/10

Left: 16.495+/-0.000 χ^2/NDF : 42992145233665256

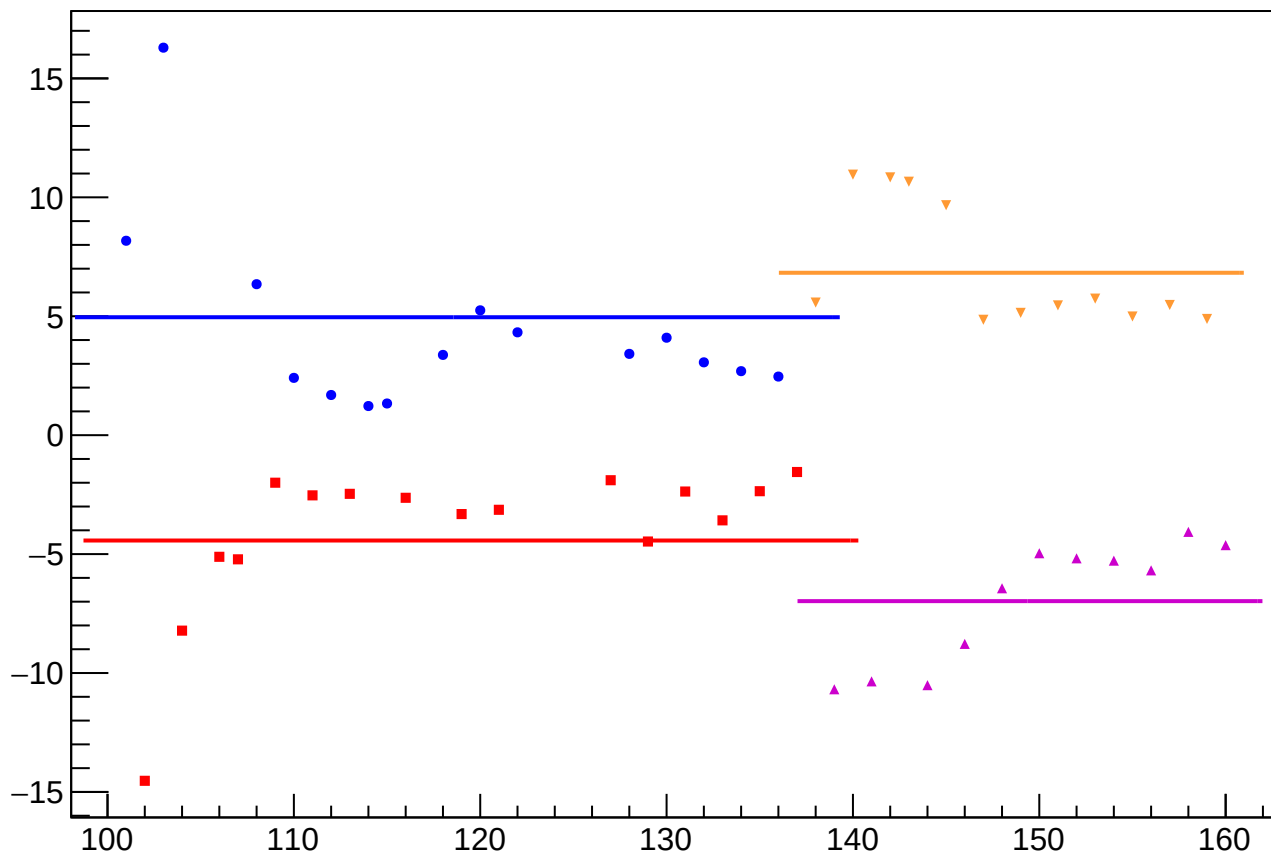
Right: -10.589+/-0.000 χ^2/NDF : 104681795299957

In: 172.388+/-0.000 χ^2/NDF : 23725794461997010

Out: -161.153+/-0.000 χ^2/NDF : 210188051150550

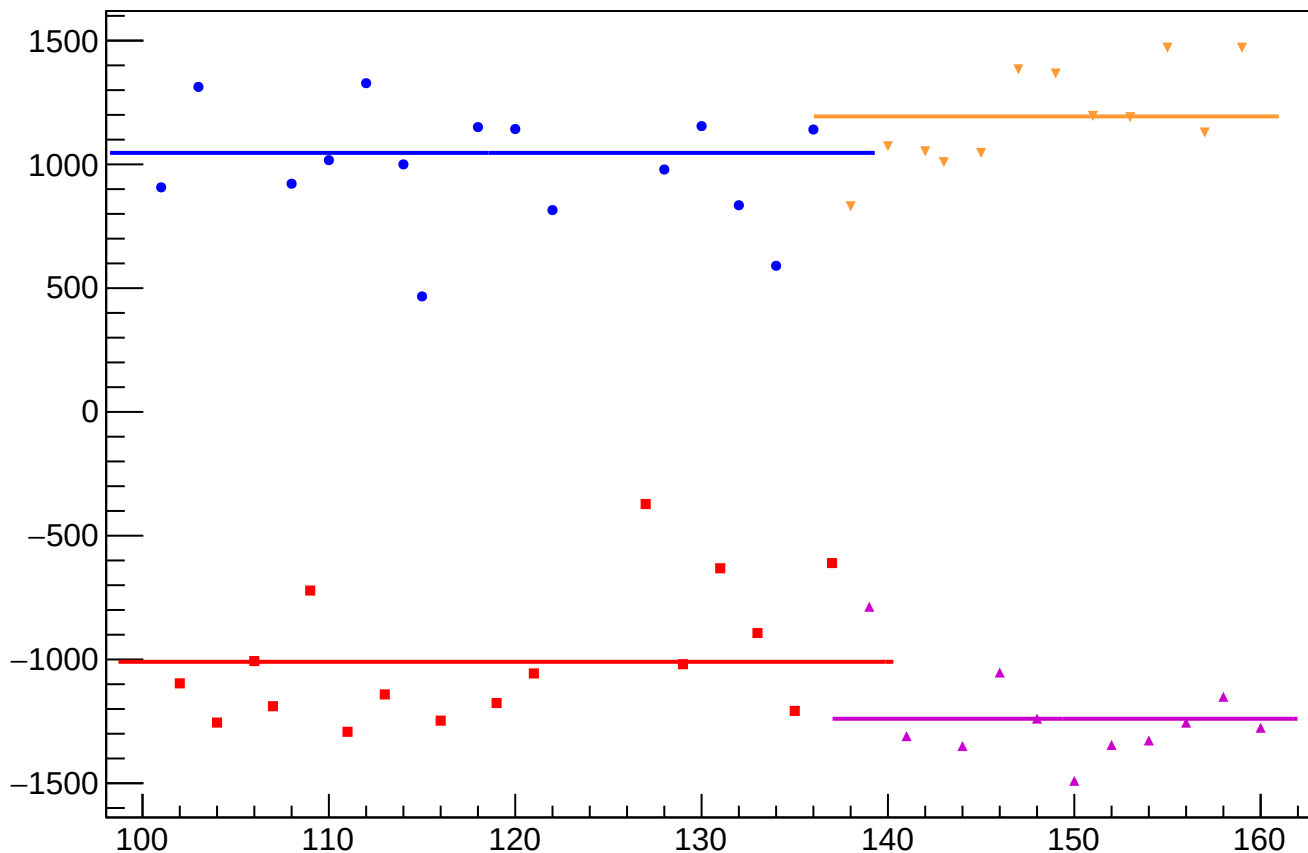
All: 5.194+/-0.000 χ^2/NDF : 53516578605527

dit_4eX_coil1_err_mean vs Slug, Sign Corrected



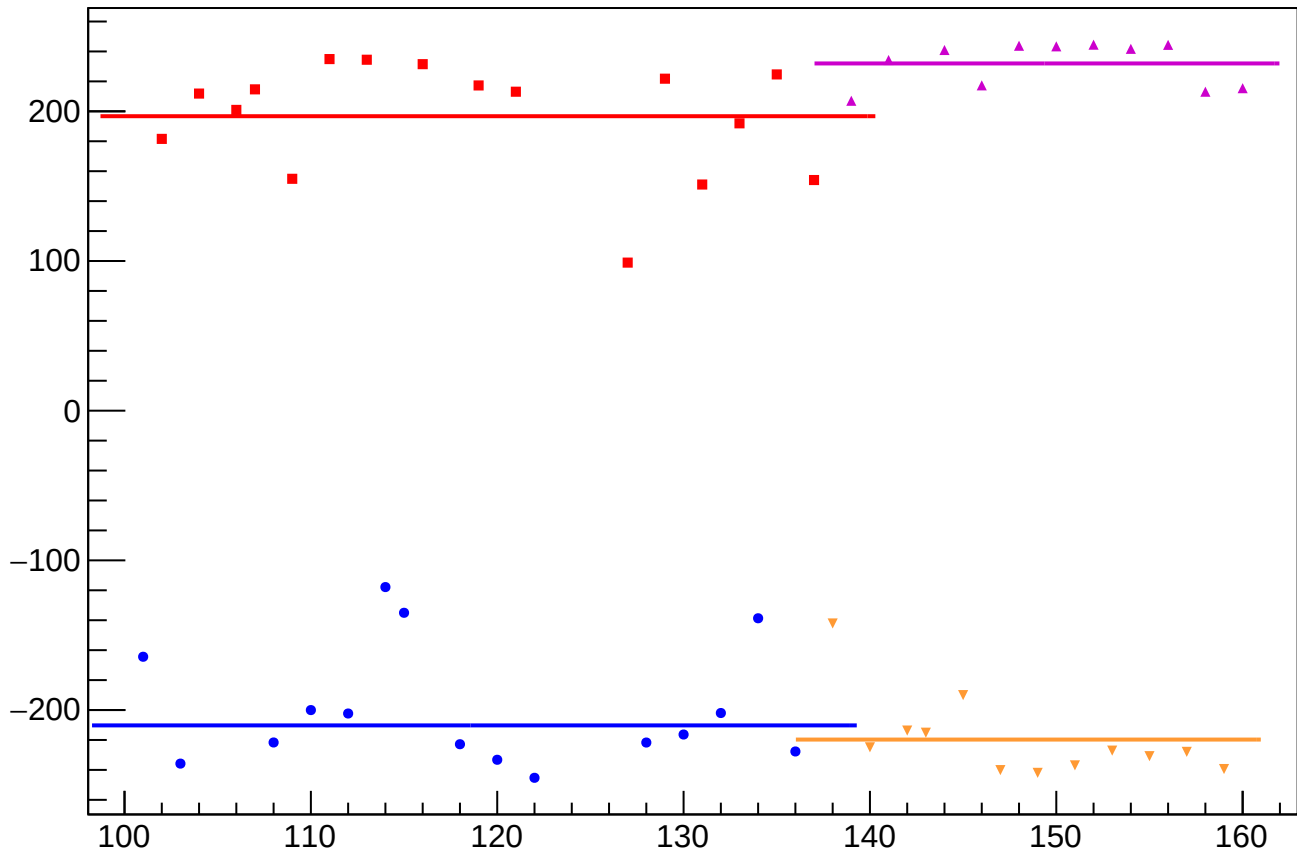
Right In: 4.959 ± 0.000 χ^2/NDF : 10465467057143371817371681641463808.0/14
 Left Out: 6.828 ± 0.000 χ^2/NDF : 5374095498583312473439971131260928.0/11
 Right Out: -4.429 ± 0.000 χ^2/NDF : 8371440400334524571131796772618240.0/15
 Left In: -6.978 ± 0.000 χ^2/NDF : 5622697014277754941158413236699136.0/10
 All: 0.018 ± 0.000 χ^2/NDF : 14647689214070

dit_4eX_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000	χ^2/NDF : 24866624766048512267031234680614551552.0/14	Left: -29.533+/-0.000	χ^2/NDF : 2784054454845267
Left Out: 1193.726+/-0.000	χ^2/NDF : 34388618994267285012310712301196935168.0/11	Right: 4.462+/-0.000	χ^2/NDF : 14598494086105576
Right Out: -1009.445+/-0.000	χ^2/NDF : 44602783681728168935494176019868286976.0/15	In: -296.360+/-0.000	χ^2/NDF : 2046292009130527
Left In: -1239.553+/-0.000	χ^2/NDF : 29116180330425505242594030704390045696.0/10	Out: 264.242+/-0.000	χ^2/NDF : 1950694116005569
		All: -15.348+/-0.000	χ^2/NDF : 424479012287

dit_11X12X_coil1_mean vs Slug, Sign Corrected



Right In: -210.261+/-0.000

Left Out: -219.729+/-0.000

Right Out: 196.736+/-0.000

Left In: 231.985+/-0.000

χ^2/NDF : 567711076568068409192467700494893056.0/14

χ^2/NDF : 691090878567021644145539364306288640.0/11

χ^2/NDF : 90958895093044840633640514790359040.0/15

χ^2/NDF : 182992027280401463139065105290887168.0/10

Left: 7.357+/-0.000 χ^2/NDF : 946302102045066653

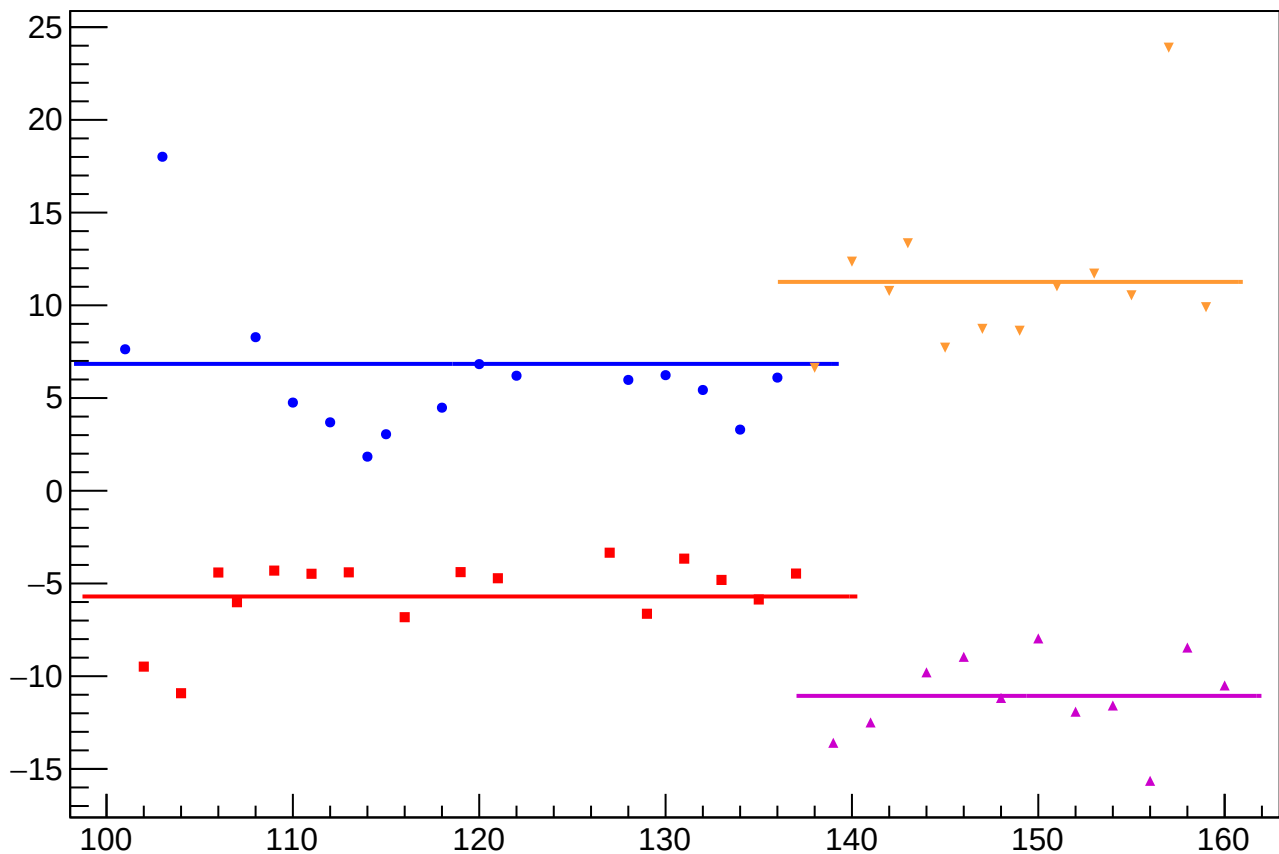
Right: -3.979+/-0.000 χ^2/NDF : 5596508618889263

In: 49.520+/-0.000 χ^2/NDF : 753125513421150554

Out: -44.029+/-0.000 χ^2/NDF : 6848097439733710

All: 2.627+/-0.000 χ^2/NDF : 15069384503153

dit_11X12X_coil1_err_mean vs Slug, Sign Corrected



Right In: 6.842+/-0.000

χ^2/NDF : 9355934166823324467316647620771840.0/14

Left Out: 11.263+/-0.000

χ^2/NDF : 16950484304495826735526537389408256.0/11

Right Out: -5.701+/-0.000

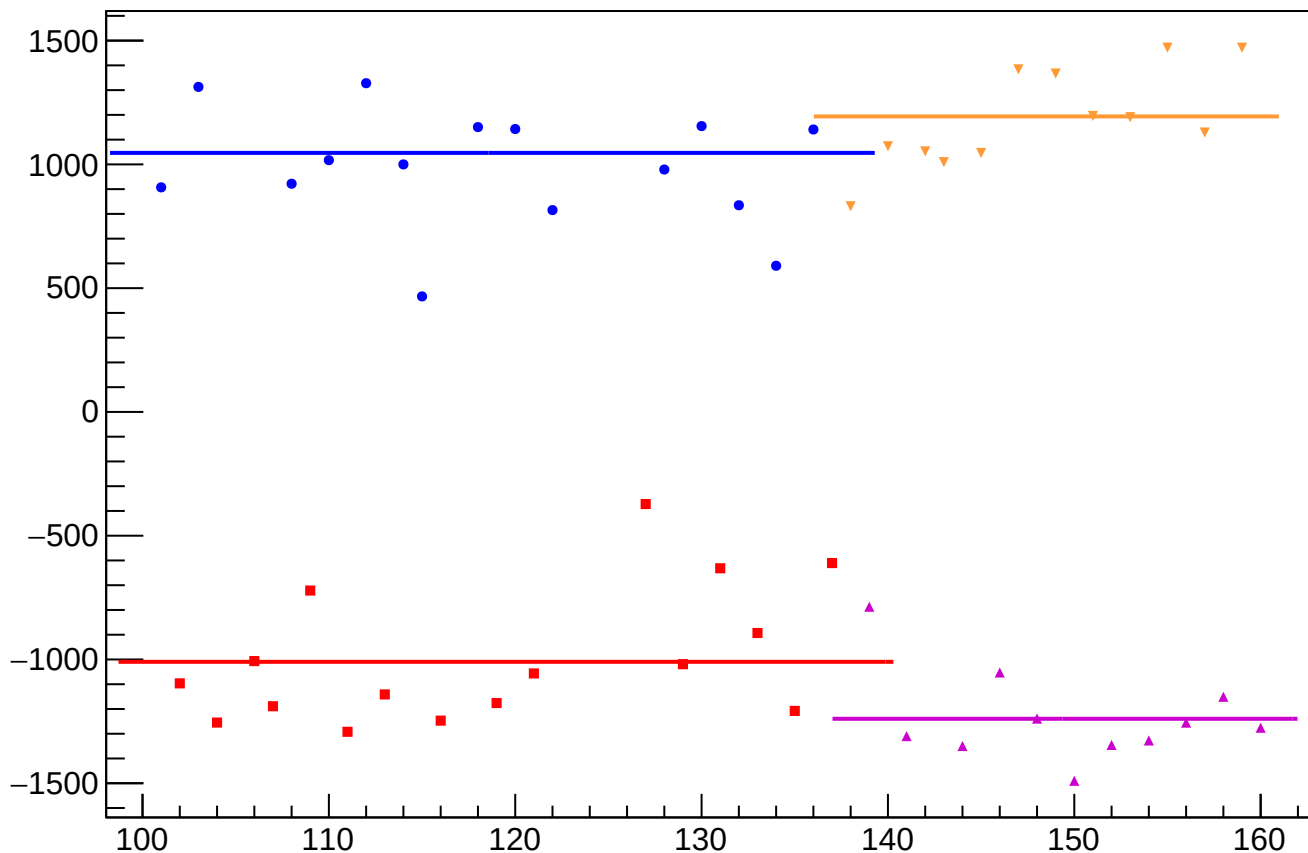
χ^2/NDF : 3174693398300953393137731791486976.0/15

Left In: -11.061+/-0.000

χ^2/NDF : 4417559387784954400311933713514496.0/10

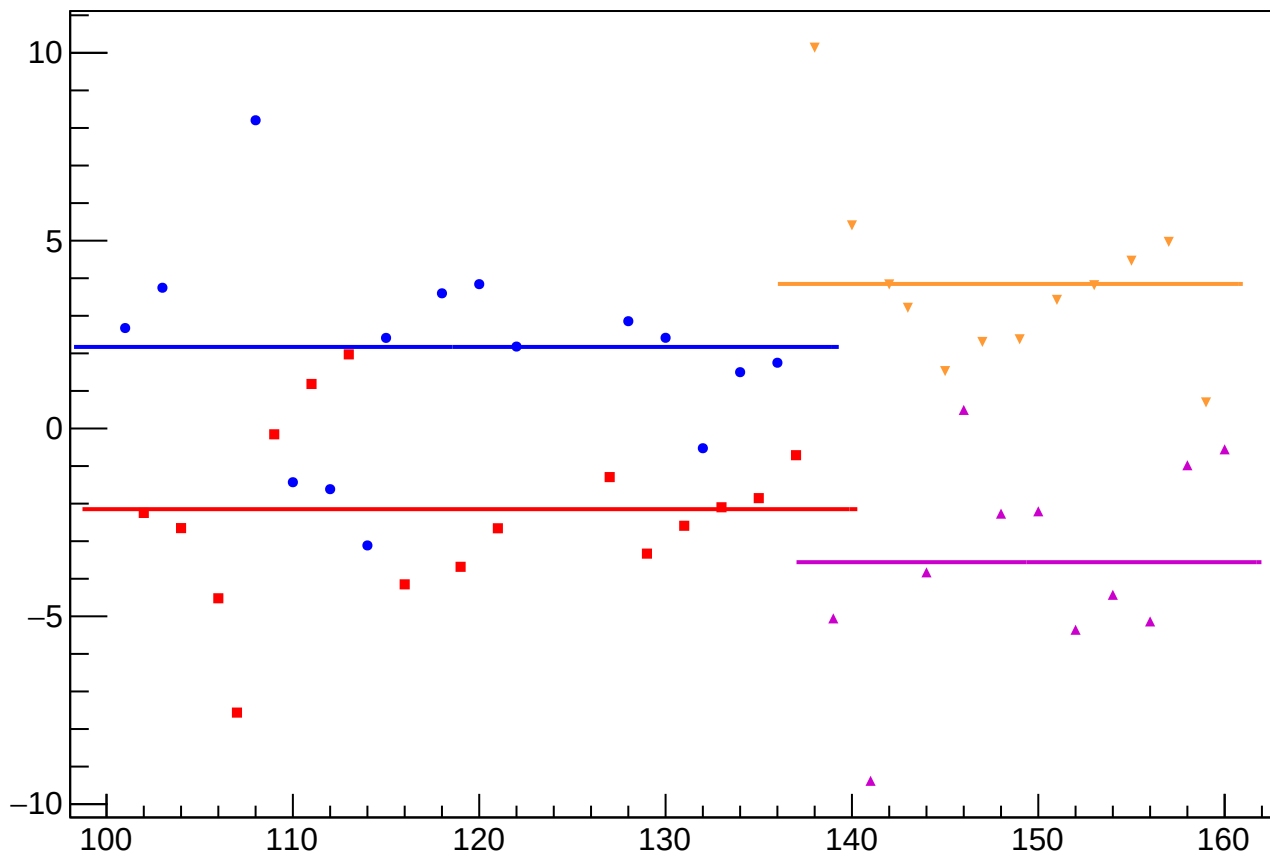
All: 0.226+/-0.000 χ^2/NDF : 31478743415470

dit_11X12X_coil1_Ndata_mean vs Slug, Sign Corrected



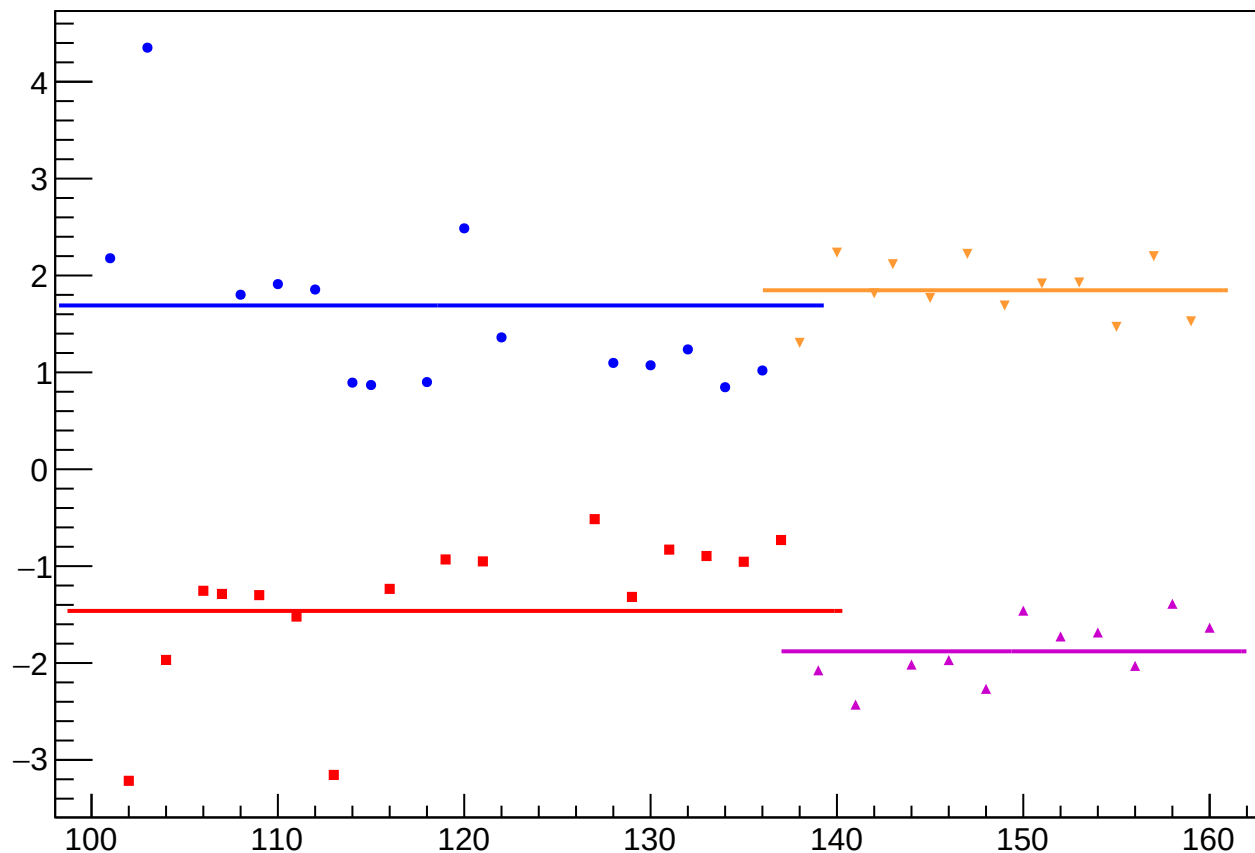
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_4aY_coil1_mean vs Slug, Sign Corrected



Right In: 2.171 ± 0.000 $\chi^2/\text{NDF}: 3599819246909975678410499691642880.0/14$
 Left Out: 3.848 ± 0.000 $\chi^2/\text{NDF}: 5039599457588936759406360166137856.0/11$
 Right Out: -2.148 ± 0.000 $\chi^2/\text{NDF}: 3093887336239378959606321931878400.0/15$
 Left In: -3.559 ± 0.000 $\chi^2/\text{NDF}: 6492667345109962540652165758713856.0/10$
 All: 0.065 ± 0.000 $\chi^2/\text{NDF}: 49586913800618$

dit_4aY_coil1_err_mean vs Slug, Sign Corrected



Left: -0.026 ± 0.000 χ^2/NDF : 65568039047872649

Right: 0.093 ± 0.000 χ^2/NDF : 43263312753970357

In: -0.406 ± 0.000 χ^2/NDF : 556196517771187765

Out: 0.451 ± 0.000 χ^2/NDF : 475214249190166490

All: 0.024 ± 0.000 χ^2/NDF : 10893960400462

Right In: 1.691 ± 0.000

χ^2/NDF : 612163393317609859674079412355072.0/14

Left Out: 1.847 ± 0.000

χ^2/NDF : 84162850183102511254837045231616.0/11

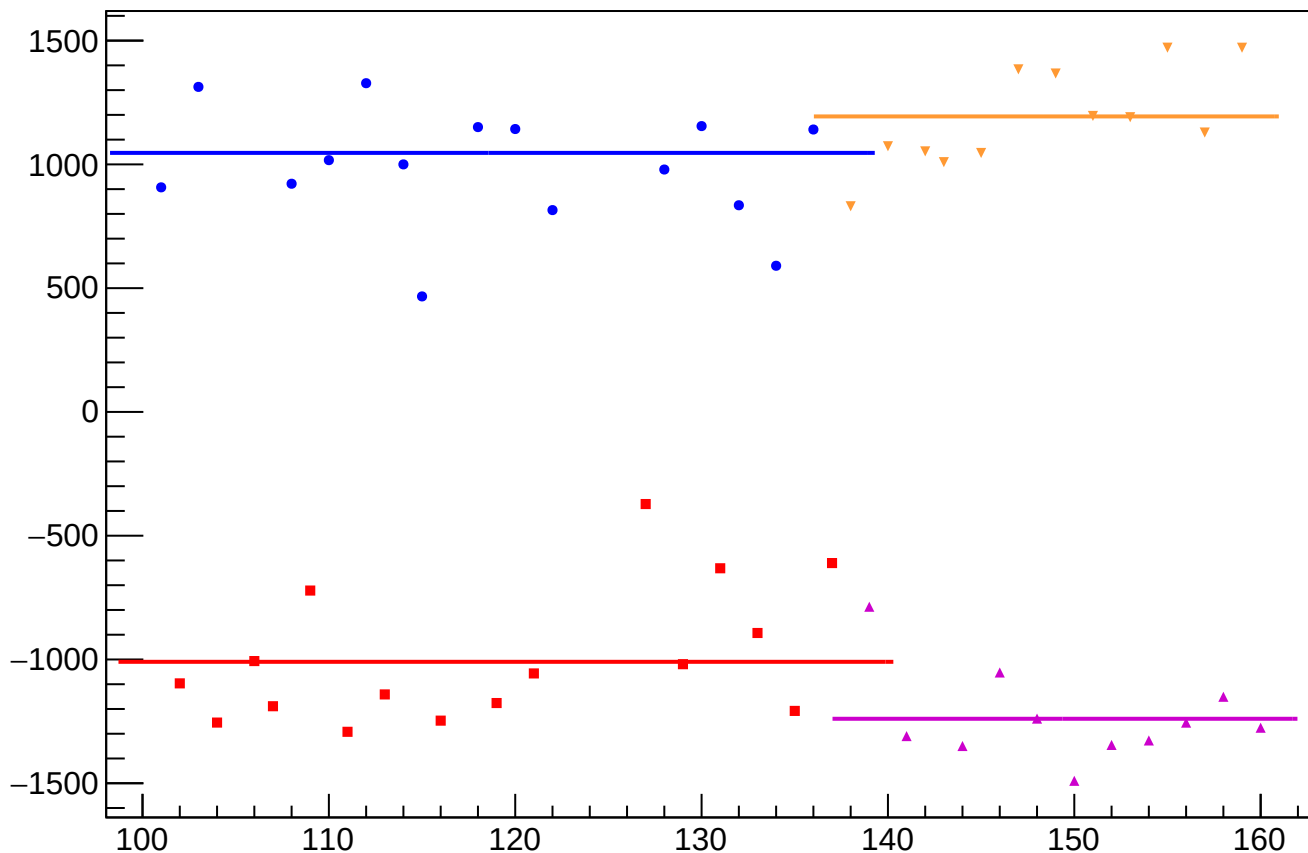
Right Out: -1.462 ± 0.000

χ^2/NDF : 444384511662519040022371754835968.0/15

Left In: -1.879 ± 0.000

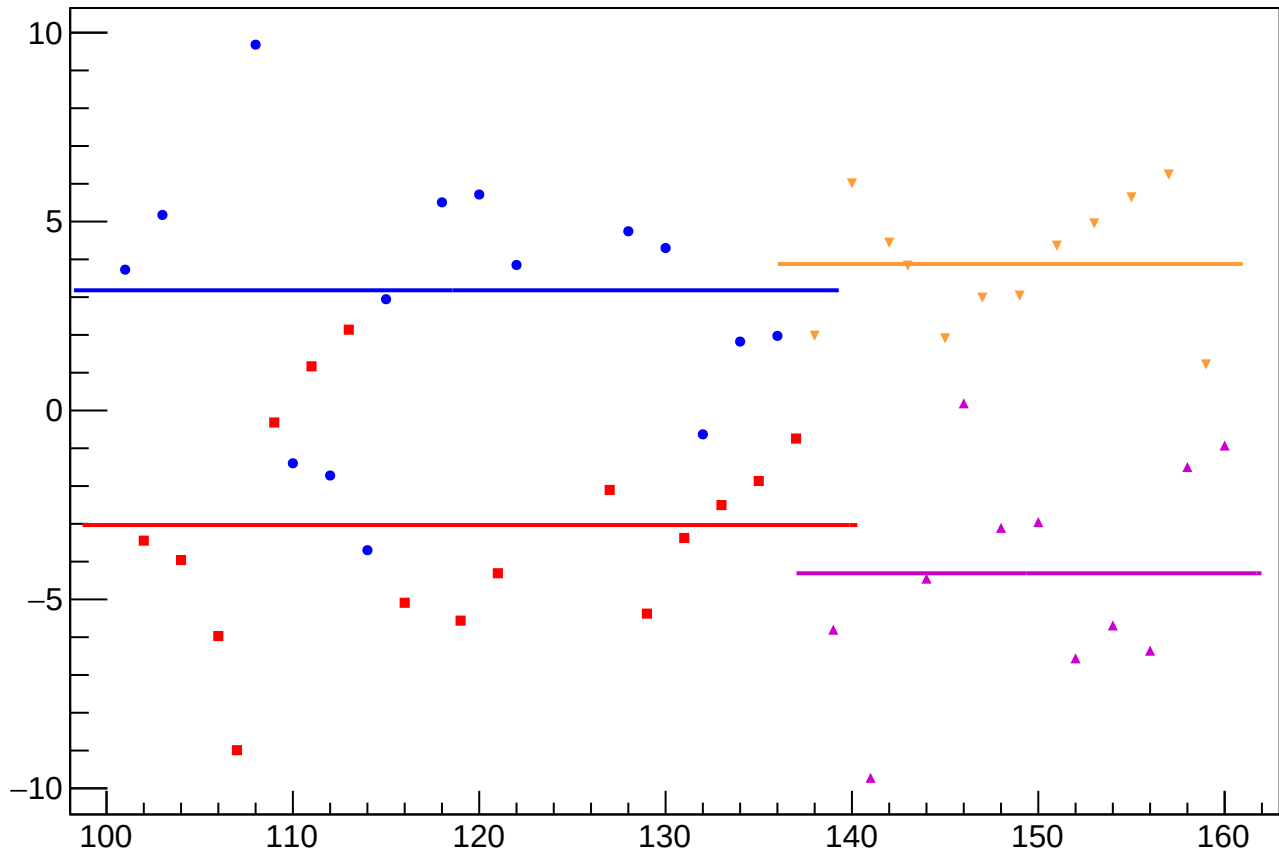
χ^2/NDF : 90968052268112309617342982127616.0/10

dit_4aY_coil1_Ndata_mean vs Slug, Sign Corrected



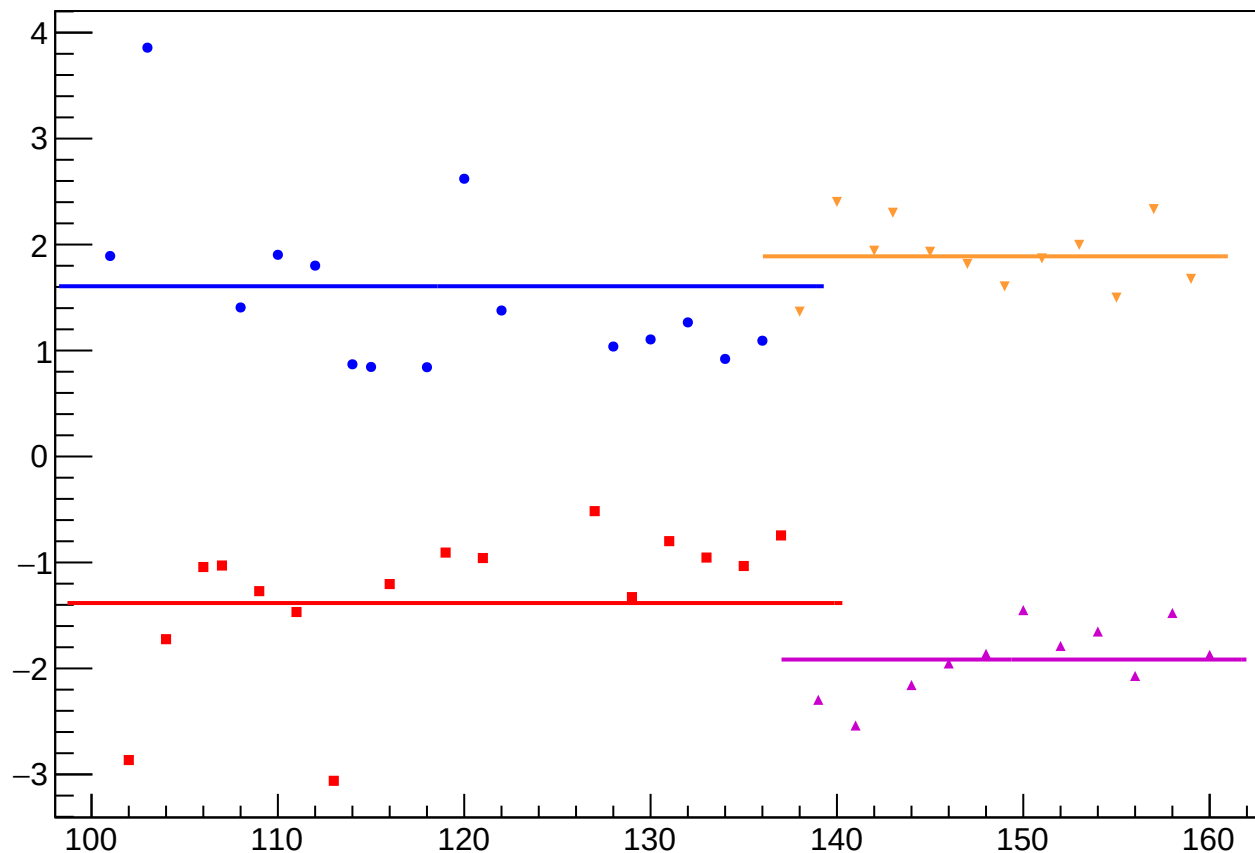
Right In: 1046.490 +/- 0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726 +/- 0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445 +/- 0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553 +/- 0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348 +/- 0.000 χ^2/NDF : 424479012287

dit_4eY_coil1_mean vs Slug, Sign Corrected



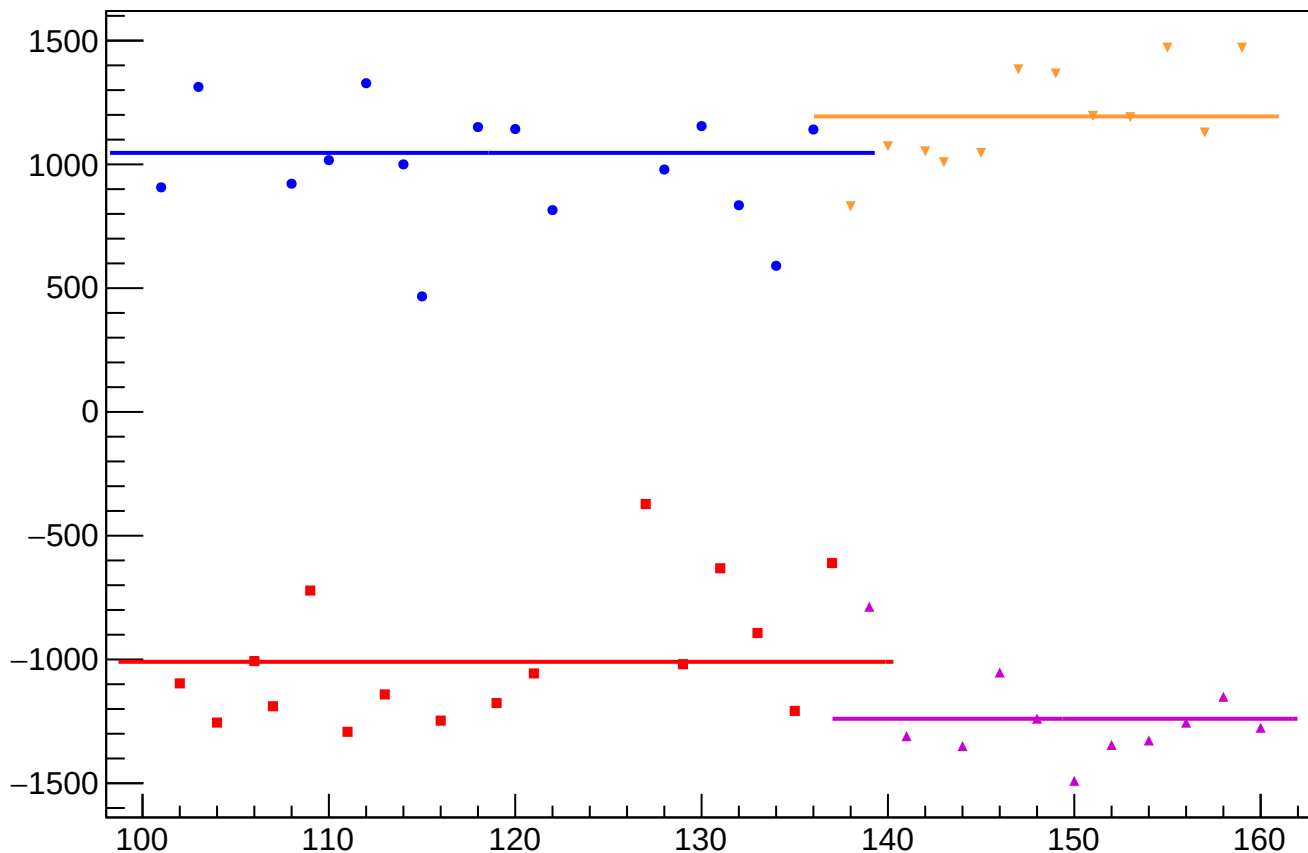
Left: -0.237 +/- 0.000 χ^2/NDF : 40330727078704471
 Right In: 3.181 +/- 0.000 χ^2/NDF : 5833303227868252617704566394191872.0/14
 Right: 0.032 +/- 0.000 χ^2/NDF : 23467771565313990
 Left Out: 3.878 +/- 0.000 χ^2/NDF : 2463584640289158504459219897417728.0/11
 In: -1.218 +/- 0.000 χ^2/NDF : 342914810766388262
 Right Out: -3.032 +/- 0.000 χ^2/NDF : 4937209831371793945496546833334272.0/15
 Out: 0.963 +/- 0.000 χ^2/NDF : 258114849490247466
 Left In: -4.308 +/- 0.000 χ^2/NDF : 7073495667694280351803168107003904.0/10
 All: -0.125 +/- 0.000 χ^2/NDF : 6385427084403

dit_4eY_coil1_err_mean vs Slug, Sign Corrected



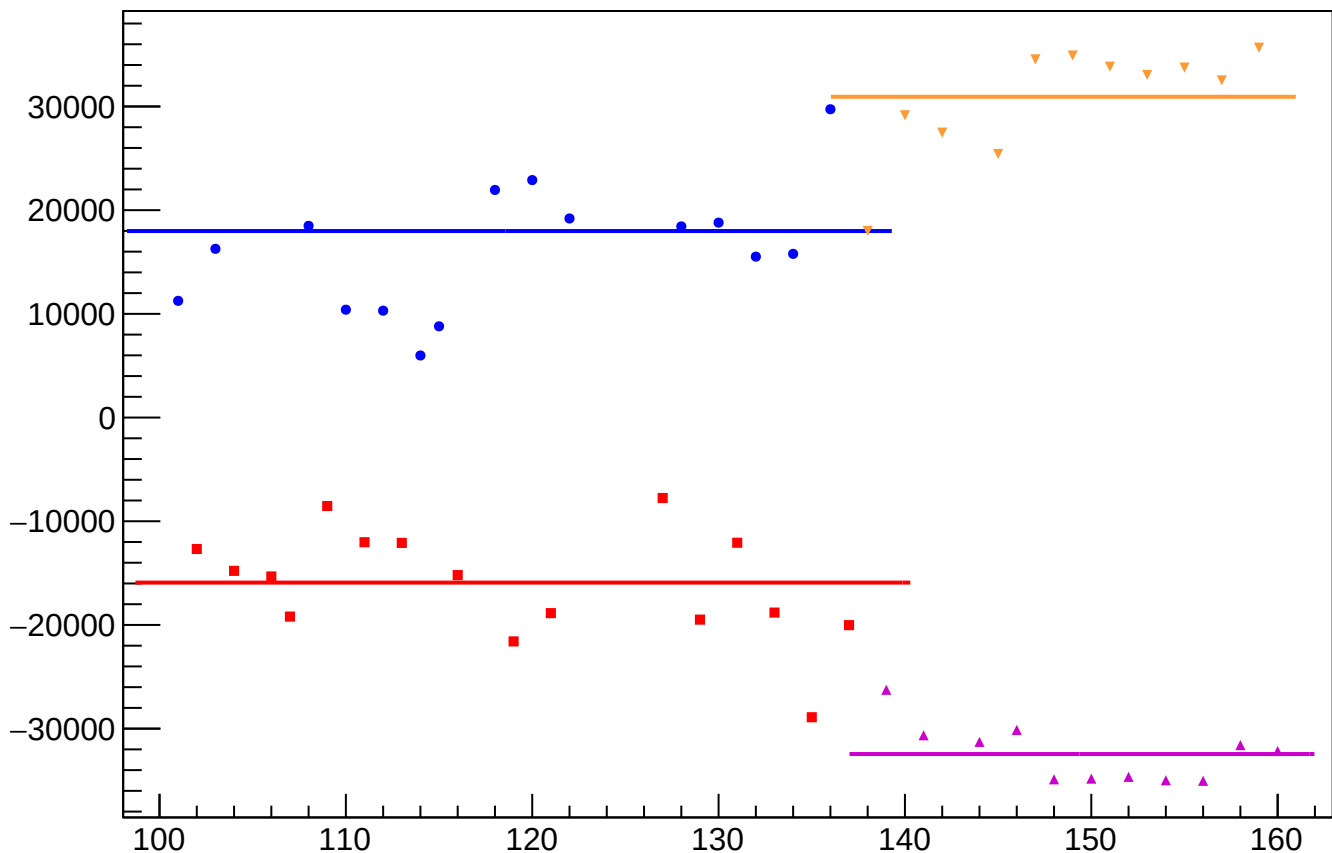
Right In: 1.607 $\pm$ 0.000 χ^2 /NDF: 460949628640148184181205735833600.0/14
 Left Out: 1.889 $\pm$ 0.000 χ^2 /NDF: 94097326064066188177587241484288.0/11
 Right Out: -1.383 $\pm$ 0.000 χ^2 /NDF: 358348897016286200957650337792000.0/15
 Left In: -1.916 $\pm$ 0.000 χ^2 /NDF: 95276515809016209875699691945984.0/10
 All: 0.024 $\pm$ 0.000 χ^2 /NDF: 10610919143090

dit_4eY_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_usl_coil1_mean vs Slug, Sign Corrected



Right In: 17988.185+/-0.000

χ^2/NDF : 24815111809984217103544001237552952508416.0/14

Left Out: 30938.190+/-0.000

χ^2/NDF : 22231201695257869773275369100022395174912.0/10

Right Out: -15915.227+/-0.000

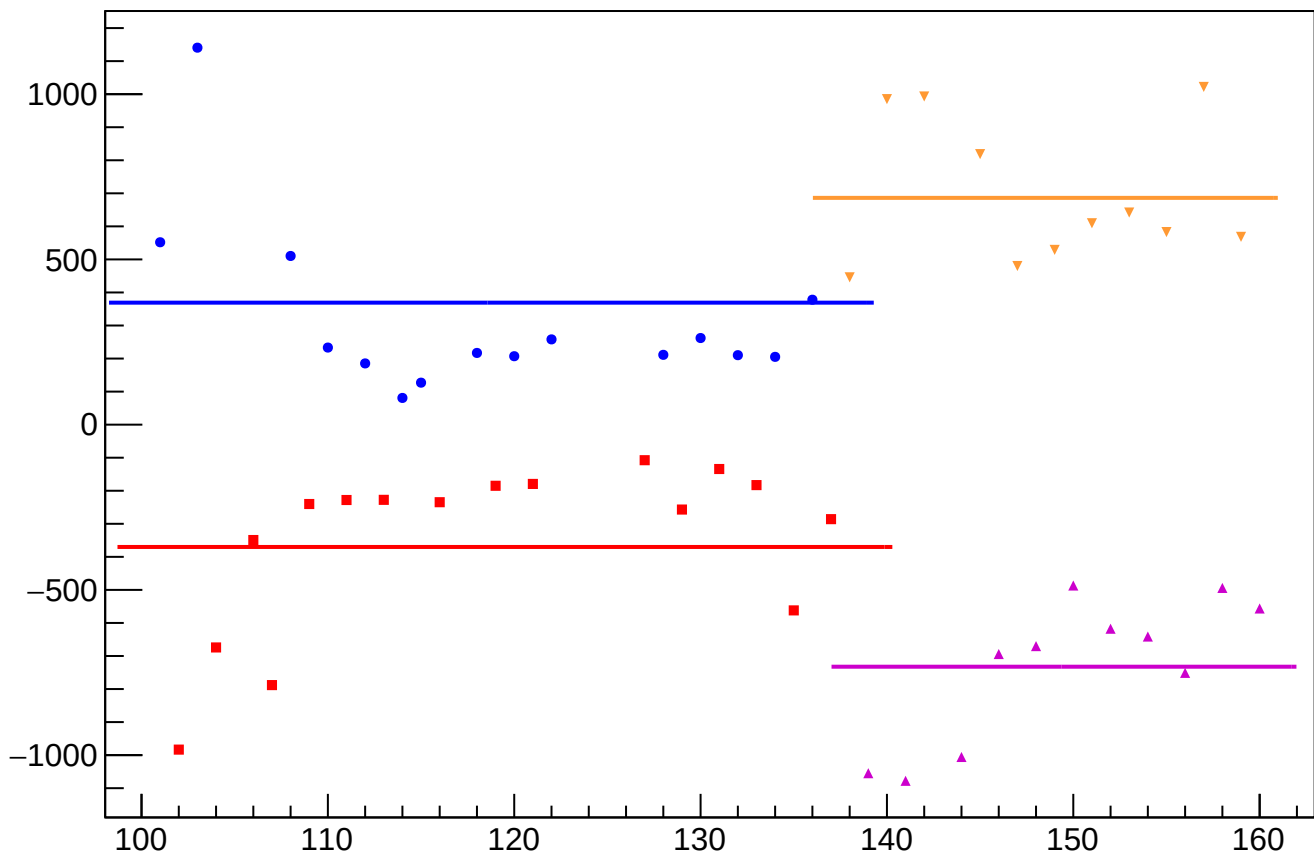
χ^2/NDF : 19954189674705952707042287416087223992320.0/15

Left In: -32448.675+/-0.000

χ^2/NDF : 6566176061380629796456552080625585094656.0/10

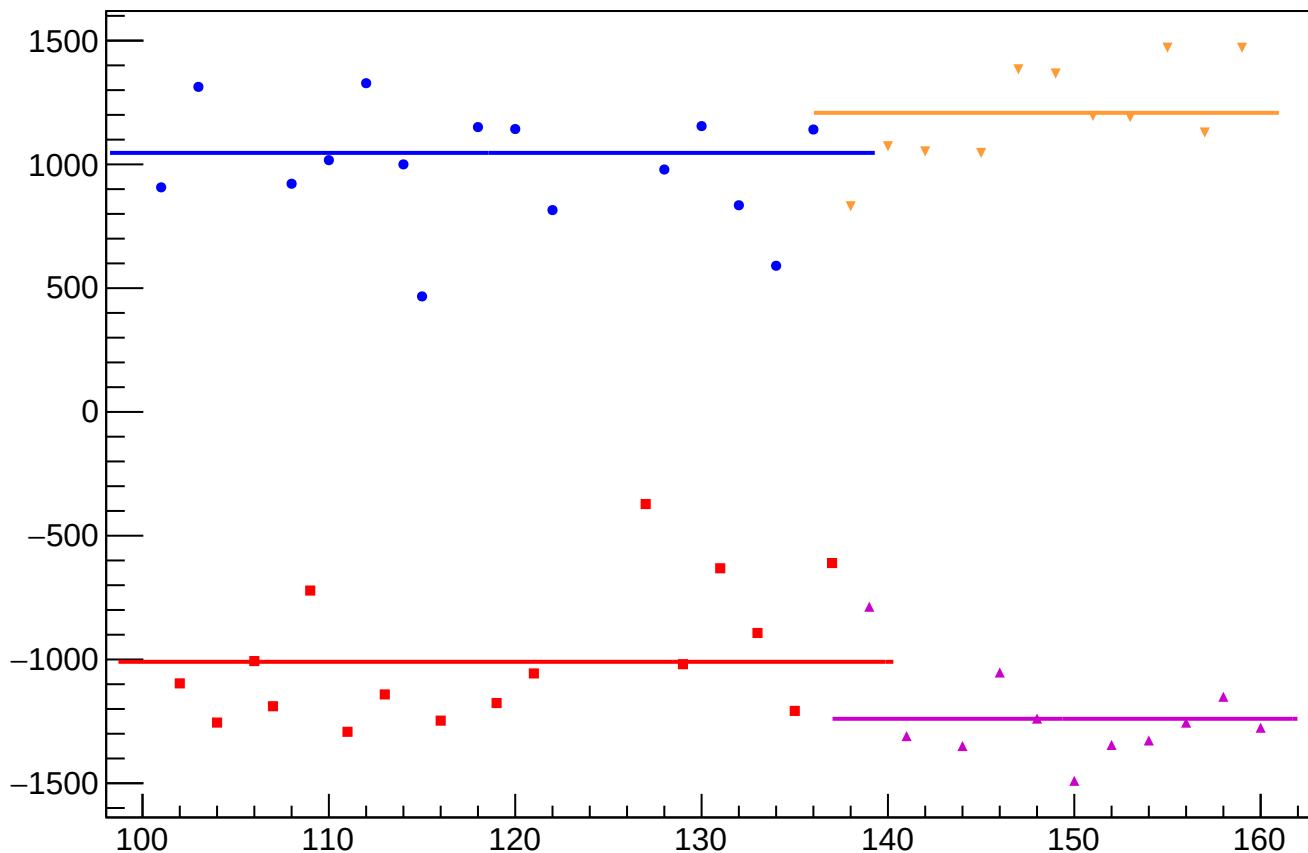
All: -880.808+/-0.000 χ^2/NDF : 22337383681

dit_usl_coil1_err_mean vs Slug, Sign Corrected



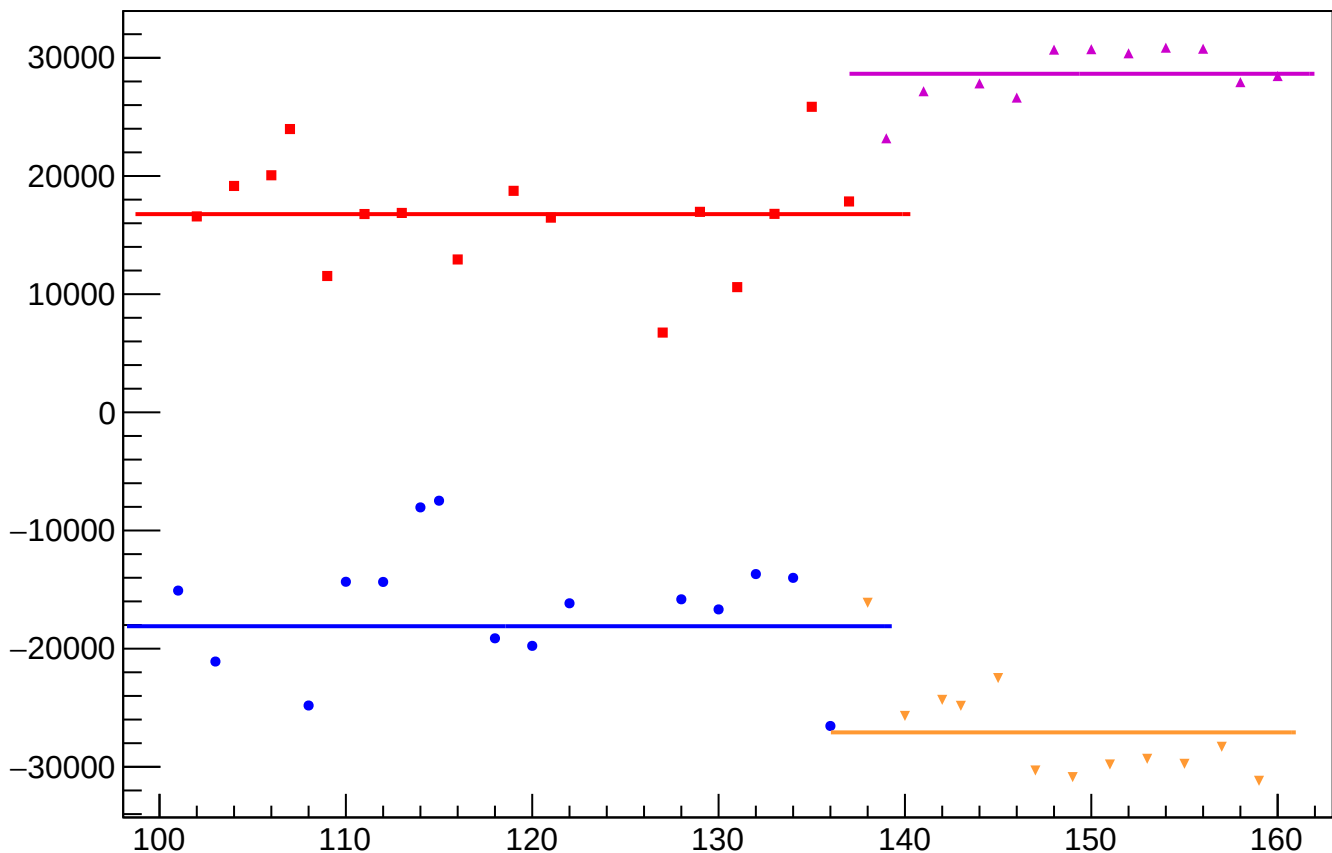
Right In: 369.169 ± 0.000 $\chi^2/\text{NDF}: 48053036789565485994195833341370957824.0/14$
 Left Out: 686.240 ± 0.000 $\chi^2/\text{NDF}: 34417236167842983766159212562513657856.0/10$
 Right Out: -370.091 ± 0.000 $\chi^2/\text{NDF}: 48214462907052107543037037125316902912.0/15$
 Left In: -732.414 ± 0.000 $\chi^2/\text{NDF}: 39942105840529115736569596950263889920.0/10$
 All: -33.290 ± 0.000 $\chi^2/\text{NDF}: 124154771081$

dit_usl_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1208.342+/-0.000 χ^2/NDF : 31920270949065456215955115636701528064.0/10
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -37.580+/-0.000 χ^2/NDF : 417296815174

dit_usr_coil1_mean vs Slug, Sign Corrected



Right In: -18100.637+/-0.000

Left Out: -27085.326+/-0.000

Right Out: 16773.604+/-0.000

Left In: 28650.410+/-0.000

χ^2/NDF : 14634967546173586967632040765428699496448.0/14

χ^2/NDF : 16913671790830002451724713056210492850176.0/11

χ^2/NDF : 14234547931135812277474342886568366178304.0/15

χ^2/NDF : 4838827535981080826725947474344765554688.0/10

Left: 934.162+/-0.000 χ^2/NDF : 1449134260498682

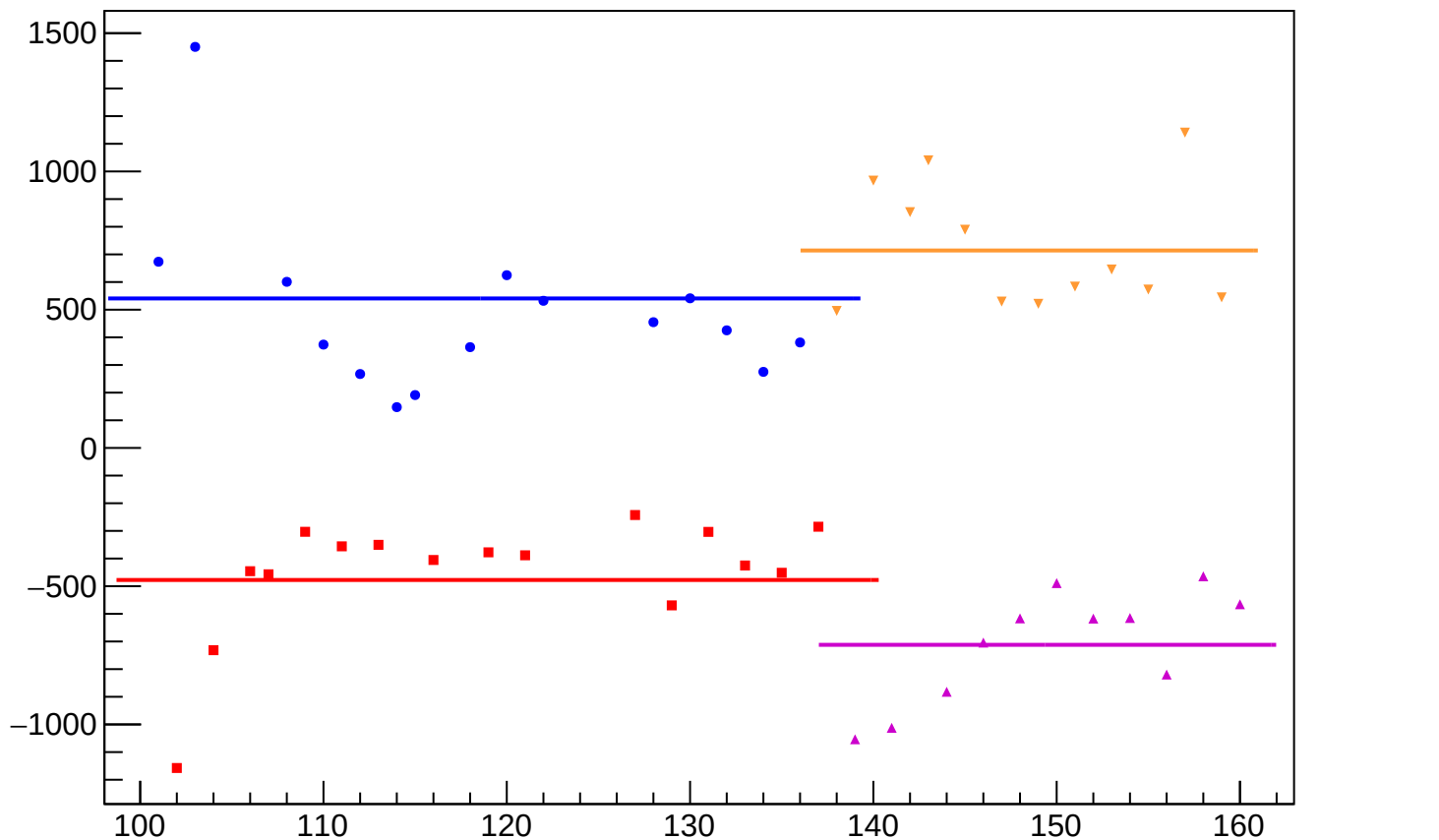
Right: -425.015+/-0.000 χ^2/NDF : 42892863582613

In: 9361.516+/-0.000 χ^2/NDF : 8527147862381255

Out: -8581.907+/-0.000 χ^2/NDF : 77289596182504

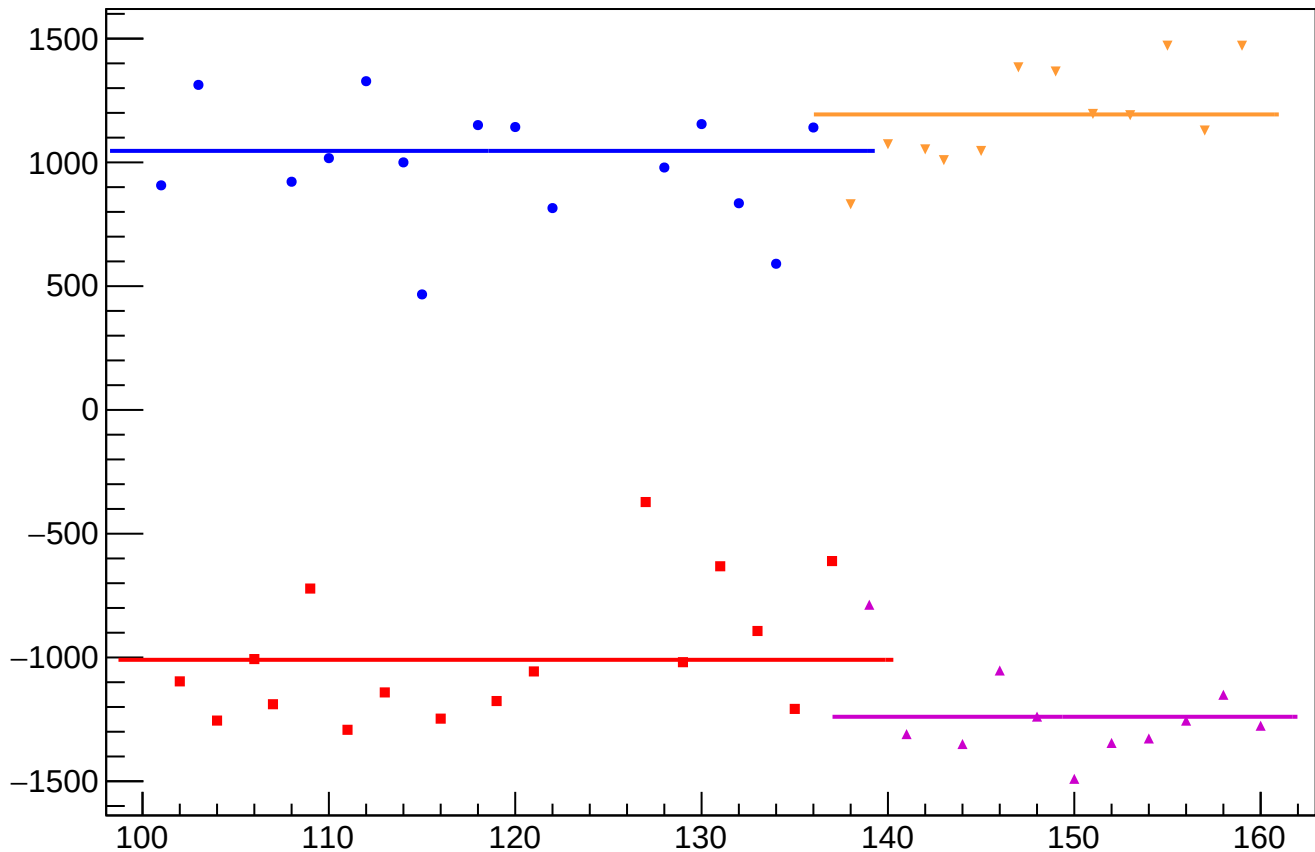
All: 367.048+/-0.000 χ^2/NDF : 18794796419

dit_usr_coil1_err_mean vs Slug, Sign Corrected



Left: -2.853+/-0.000 χ^2/NDF : 10119212919667896
 Right In: 540.663+/-0.000 χ^2/NDF : 64546819695986774721678785082975846400.0/14
 Left Out: 714.147+/-0.000 χ^2/NDF : 43160975478631460248575745928156151808.0/11
 Right Out: -477.546+/-0.000 χ^2/NDF : 38798306504296954461537116809760604160.0/15
 Left In: -712.092+/-0.000 χ^2/NDF : 34092045920503284936427855101460217856.0/10
 All: 8.600+/-0.000 χ^2/NDF : 14568707976042

dit_usr_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000

χ^2/NDF : 24866624766048512267031234680614551552.0/14

Left Out: 1193.726+/-0.000

χ^2/NDF : 34388618994267285012310712301196935168.0/11

Right Out: -1009.445+/-0.000

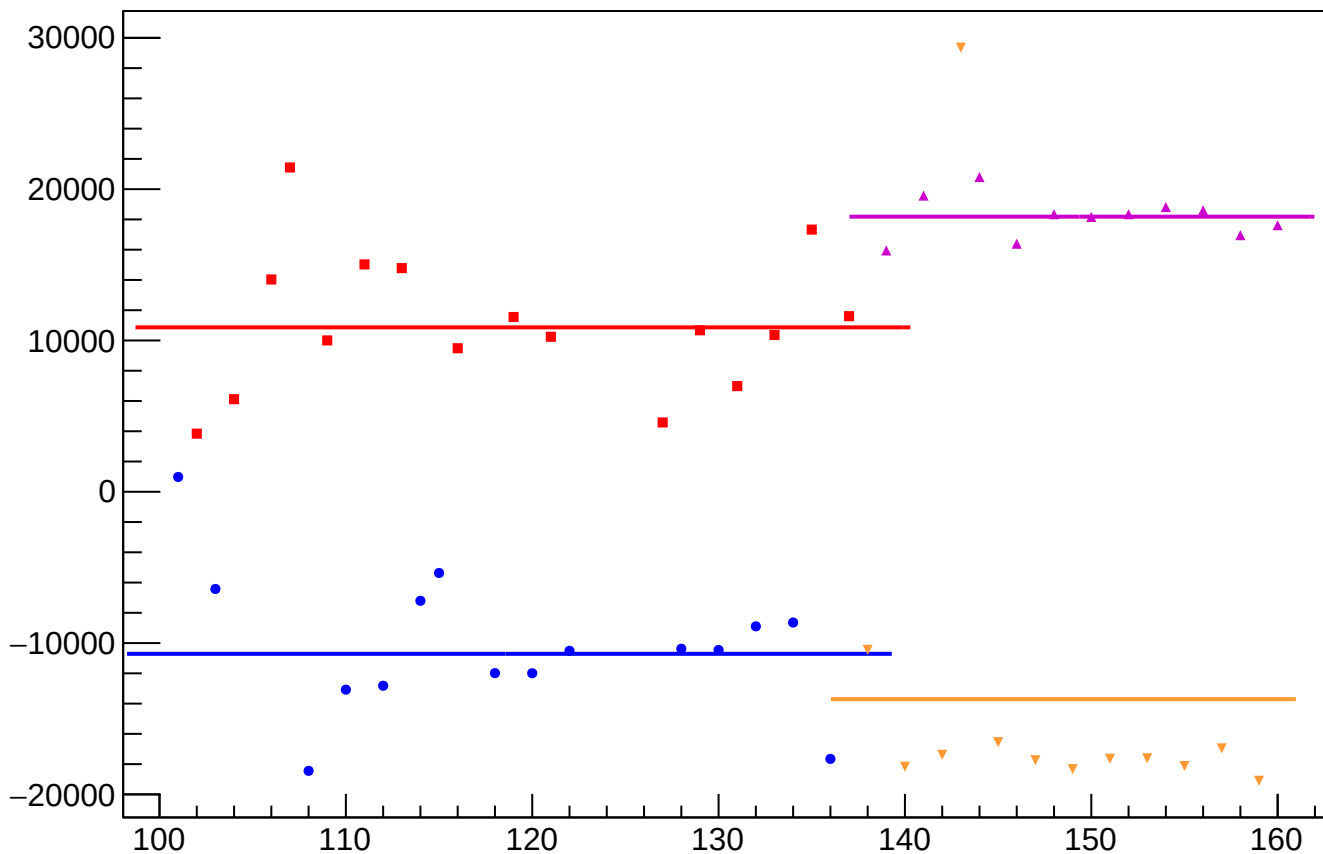
χ^2/NDF : 44602783681728168935494176019868286976.0/15

Left In: -1239.553+/-0.000

χ^2/NDF : 29116180330425505242594030704390045696.0/10

Left: -29.533+/-0.000 χ^2/NDF : 2784054454845267
 Right: 4.462+/-0.000 χ^2/NDF : 14598494086105576
 In: -296.360+/-0.000 χ^2/NDF : 2046292009130527
 Out: 264.242+/-0.000 χ^2/NDF : 1950694116005569
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_atl1_coil1_mean vs Slug, Sign Corrected



Right In: -10710.292 +/- 0.000

χ^2/NDF : 16945226152053511840482618402250170564608.0/14

Left Out: -13705.488 +/- 0.000

χ^2/NDF : 138226511026527050662319693841079709204480.0/11

Right Out: 10866.264 +/- 0.000

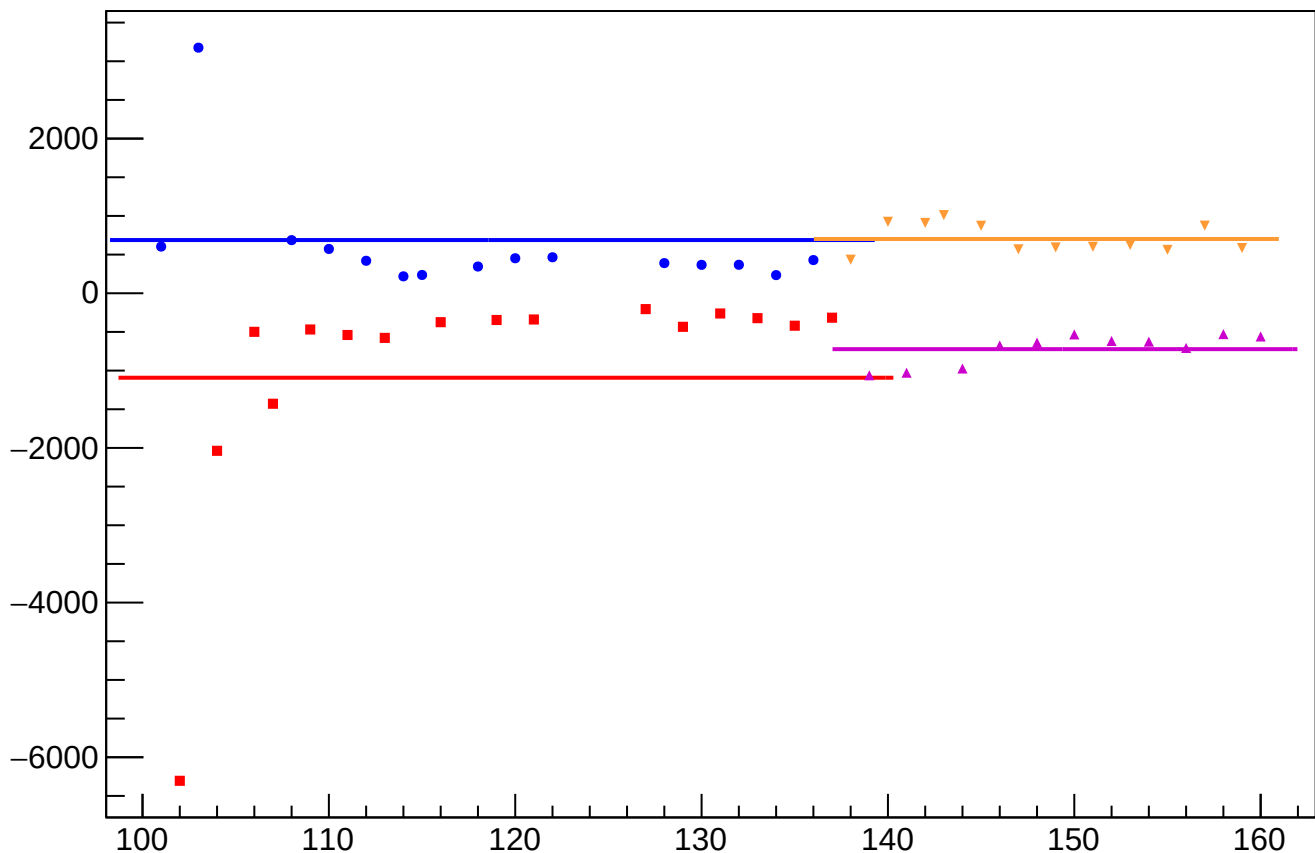
χ^2/NDF : 14234762838858382484525901644131626647552.0/15

Left In: 18181.504 +/- 0.000

χ^2/NDF : 1643617183572647868818914289162838343680.0/10

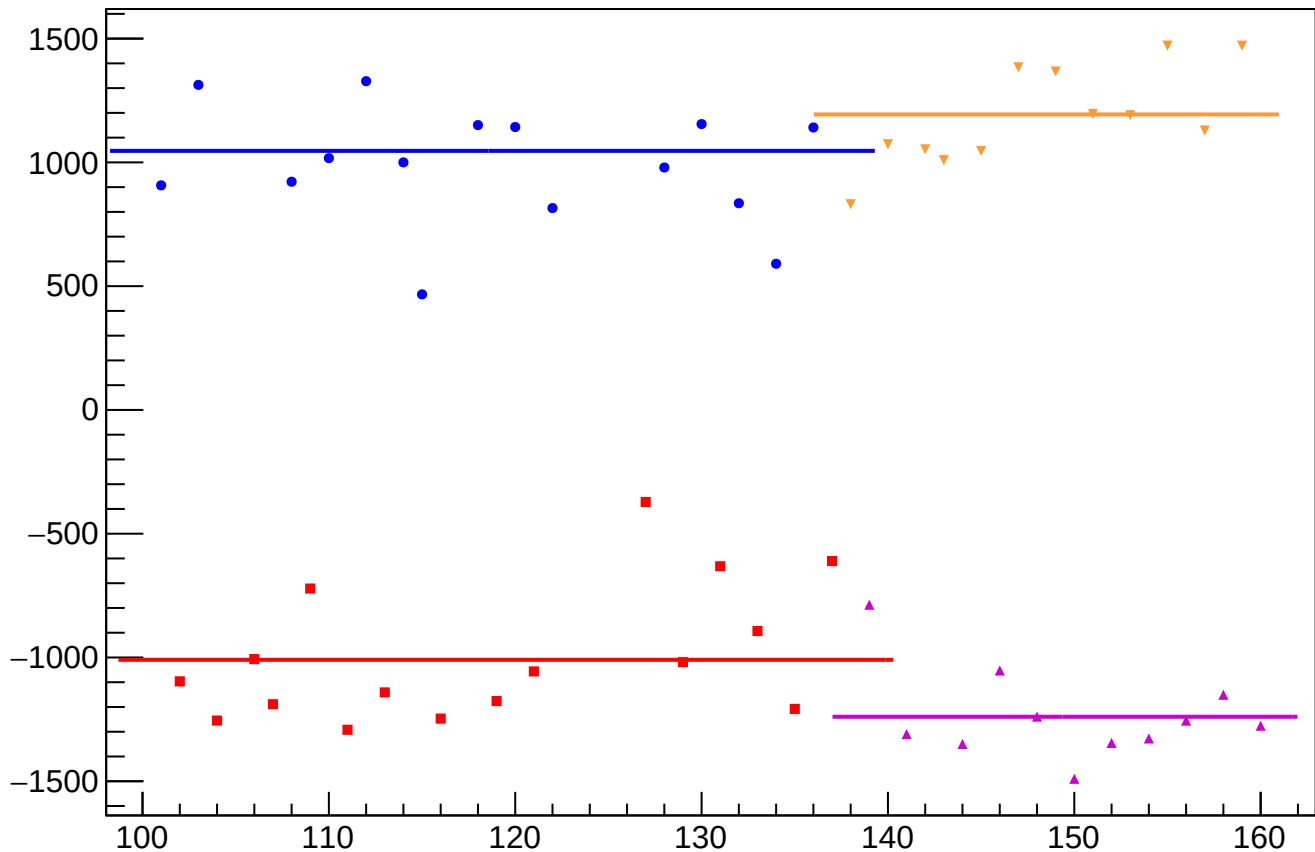
All: 1448.863 +/- 0.000 χ^2/NDF : 79476286142

dit_atl1_coil1_err_mean vs Slug, Sign Corrected



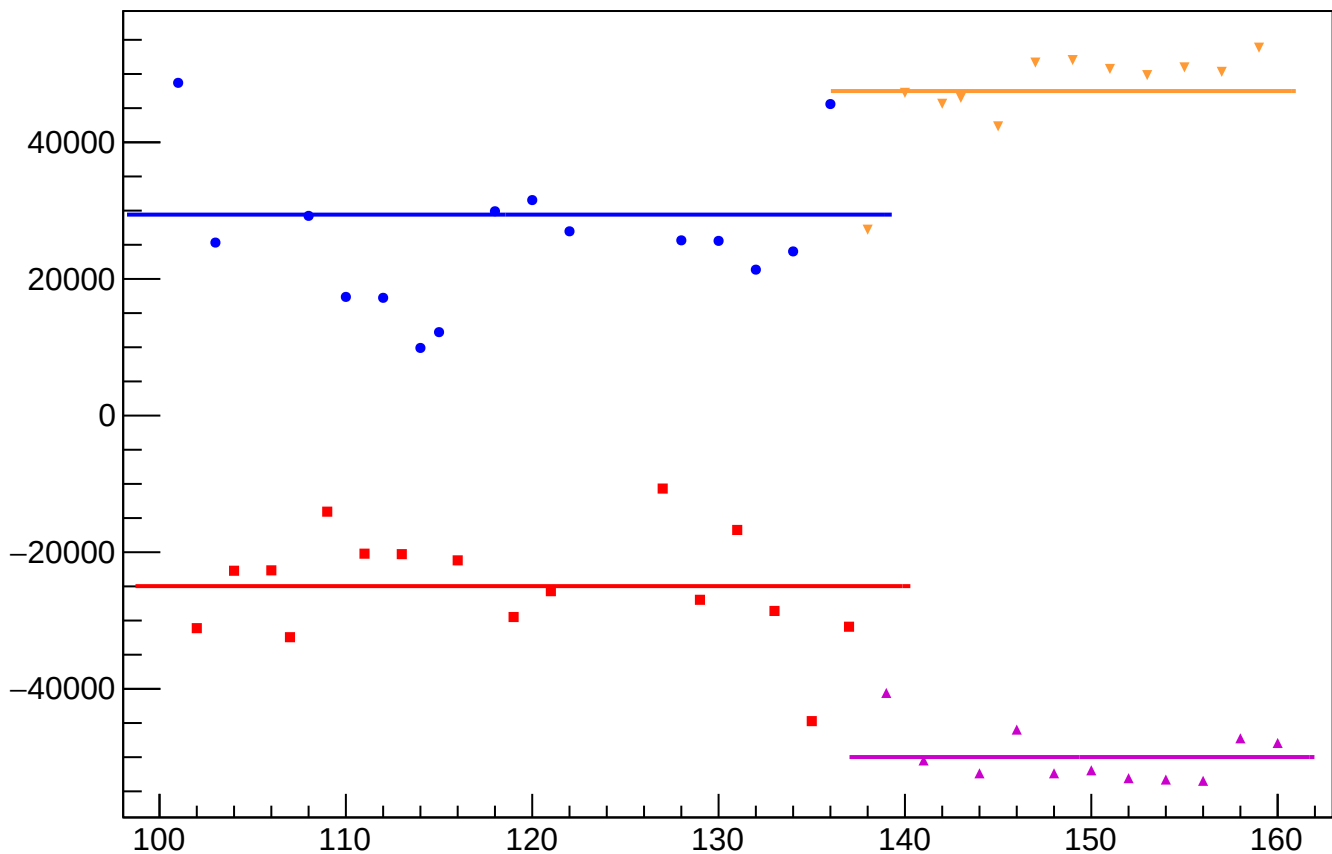
Right In: 687.939 ± 0.000 $\chi^2/\text{NDF}: 409297141104301509817753390759024787456.0/14$
 Left Out: 701.825 ± 0.000 $\chi^2/\text{NDF}: 29011752452264624264282448573098885120.0/11$
 Right Out: -1092.265 ± 0.000 $\chi^2/\text{NDF}: 1883198142929605813456233812946948456448.0/15$
 Left In: -722.743 ± 0.000 $\chi^2/\text{NDF}: 33693137116513948077860330410535288832.0/10$
 All: -97.785 ± 0.000 $\chi^2/\text{NDF}: 436080381727$

dit_atl1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_atl2_coil1_mean vs Slug, Sign Corrected



Right In: 29415.830+/-0.000

χ^2/NDF : 71764989638928082906774979753894809174016.0/14

Left Out: 47501.916+/-0.000

χ^2/NDF : 43591715334933801645565199836761766756352.0/11

Right Out: -24963.010+/-0.000

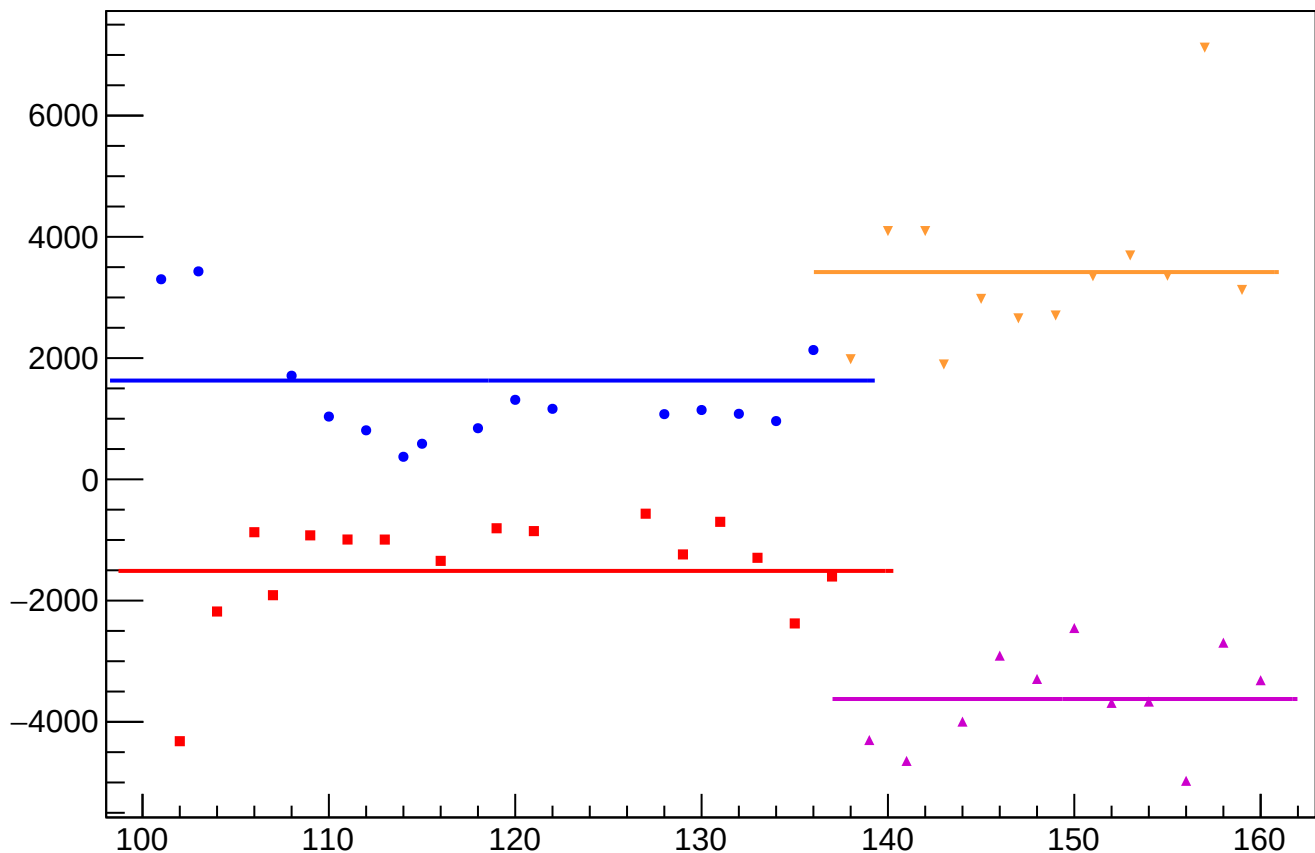
χ^2/NDF : 45631572920122171972835961685494315614208.0/15

Left In: -49982.063+/-0.000

χ^2/NDF : 13505821019305603846121121344717970210816.0/10

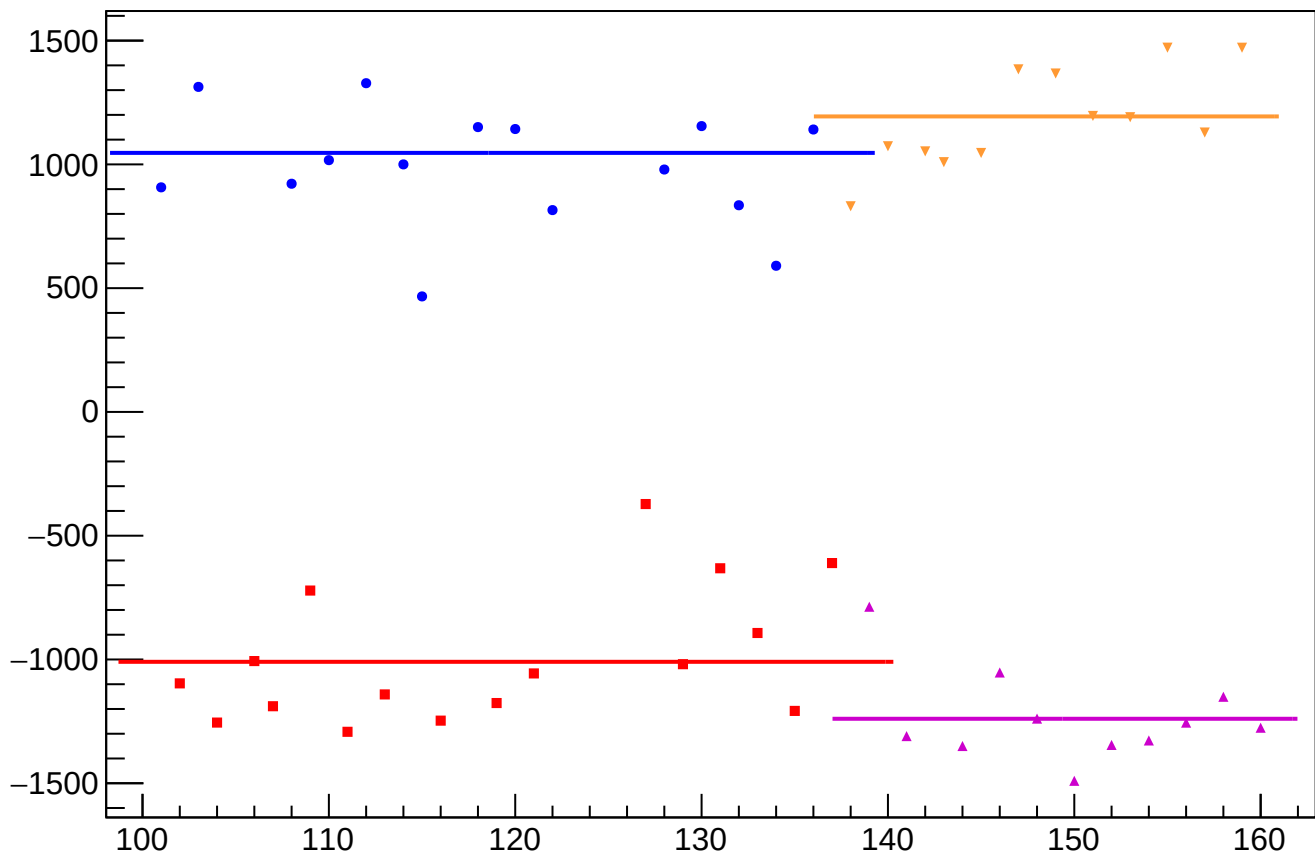
All: -103.402+/-0.000 χ^2/NDF : 55223983268

dit_atl2_coil1_err_mean vs Slug, Sign Corrected



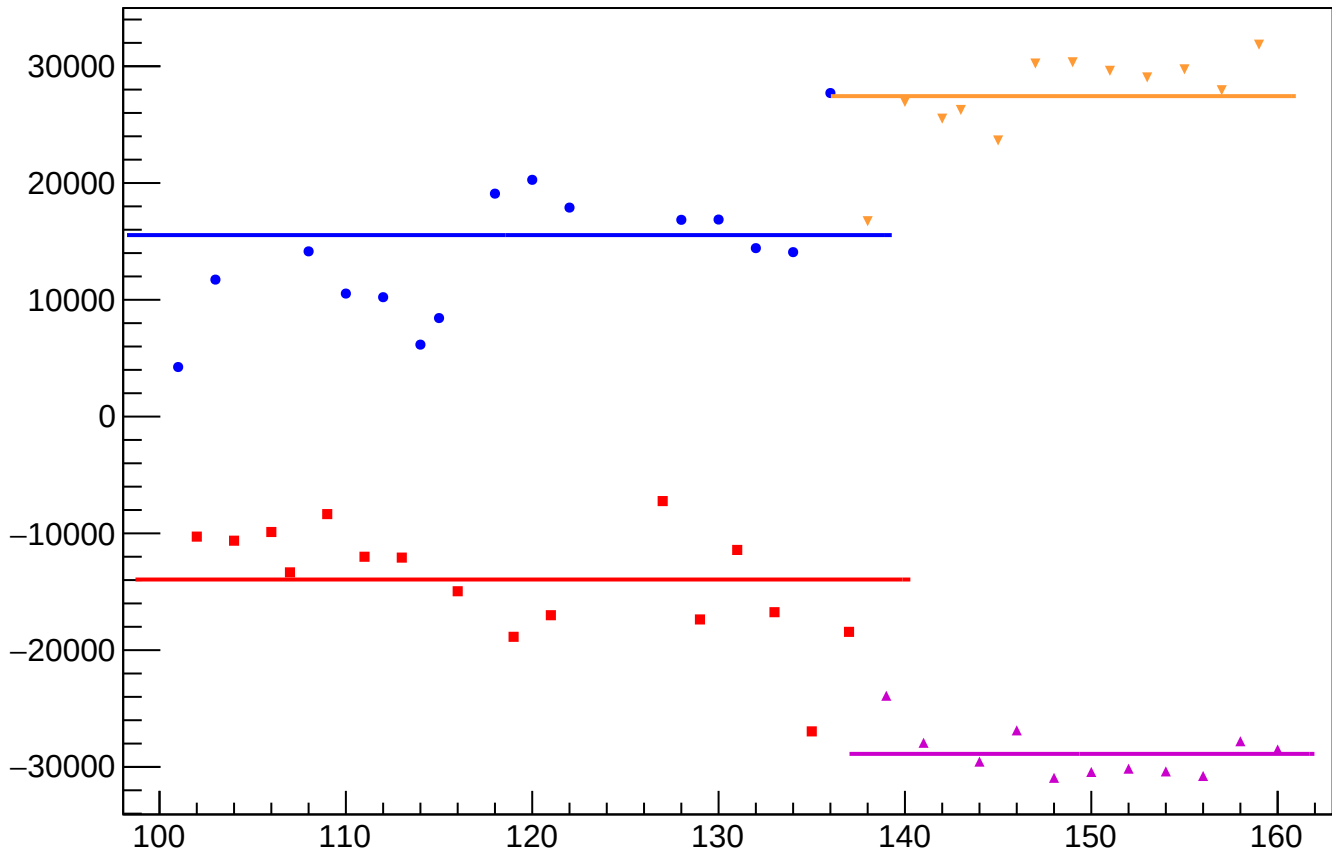
Right In: 1629.542 $\pm$ 0.000 χ^2 /NDF: 551738555355028902194697896437152219136.0/14
 Left Out: 3418.927 $\pm$ 0.000 χ^2 /NDF: 1575515144069936231955966928879934767104.0/11
 Right Out: -1510.293 $\pm$ 0.000 χ^2 /NDF: 688231904046816211321774524619745656832.0/15
 Left In: -3623.095 $\pm$ 0.000 χ^2 /NDF: 537714450371269509719141411292840984576.0/10
 All: -54.735 $\pm$ 0.000 χ^2 /NDF: 294015037802

dit_atl2_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_atr1_coil1_mean vs Slug, Sign Corrected



Right In: 15540.787+/-0.000

χ^2/NDF : 27383635886523601832377795383509714468864.0/14

Left Out: 27439.616+/-0.000

χ^2/NDF : 14247025908871725813351088668818926469120.0/11

Right Out: -13951.799+/-0.000

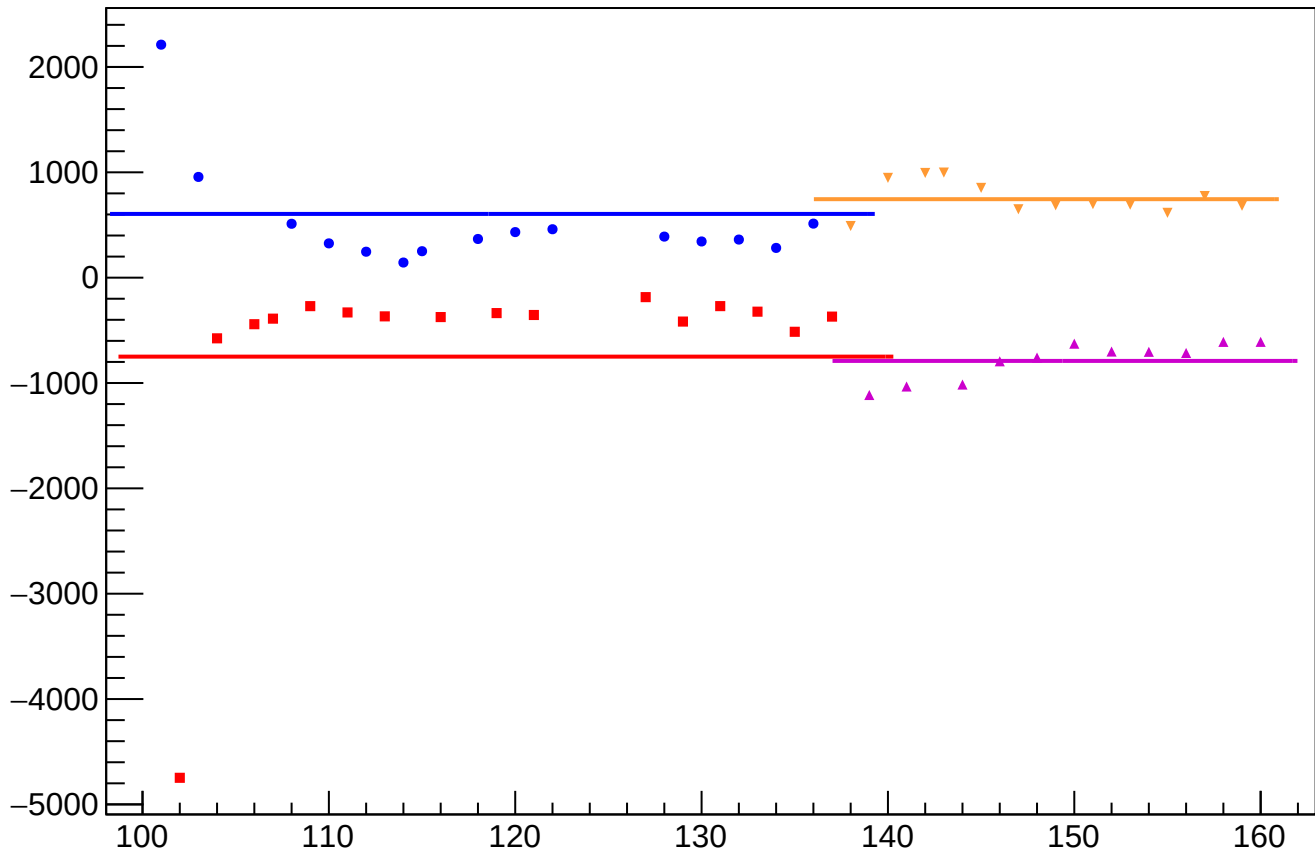
χ^2/NDF : 16954071035739584664612813430748100952064.0/15

Left In: -28881.771+/-0.000

χ^2/NDF : 3761764043421234560623243625754374701056.0/10

All: -262.152+/-0.000 χ^2/NDF : 18076481618

dit_atr1_coil1_err_mean vs Slug, Sign Corrected



Right In: 605.034 +/- 0.000

χ^2/NDF : 189401522791607614448600157723362852864.0/14

Left Out: 744.985 +/- 0.000

χ^2/NDF : 19571453984278961719936247870544412672.0/11

Right Out: -749.582 +/- 0.000

χ^2/NDF : 1021358768377495935693748779804344188928.0/15

Left In: -790.283 +/- 0.000

χ^2/NDF : 27375995163011560101349166949437800448.0/10

Left: -26.826 +/- 0.000 χ^2/NDF : 1129978912753072

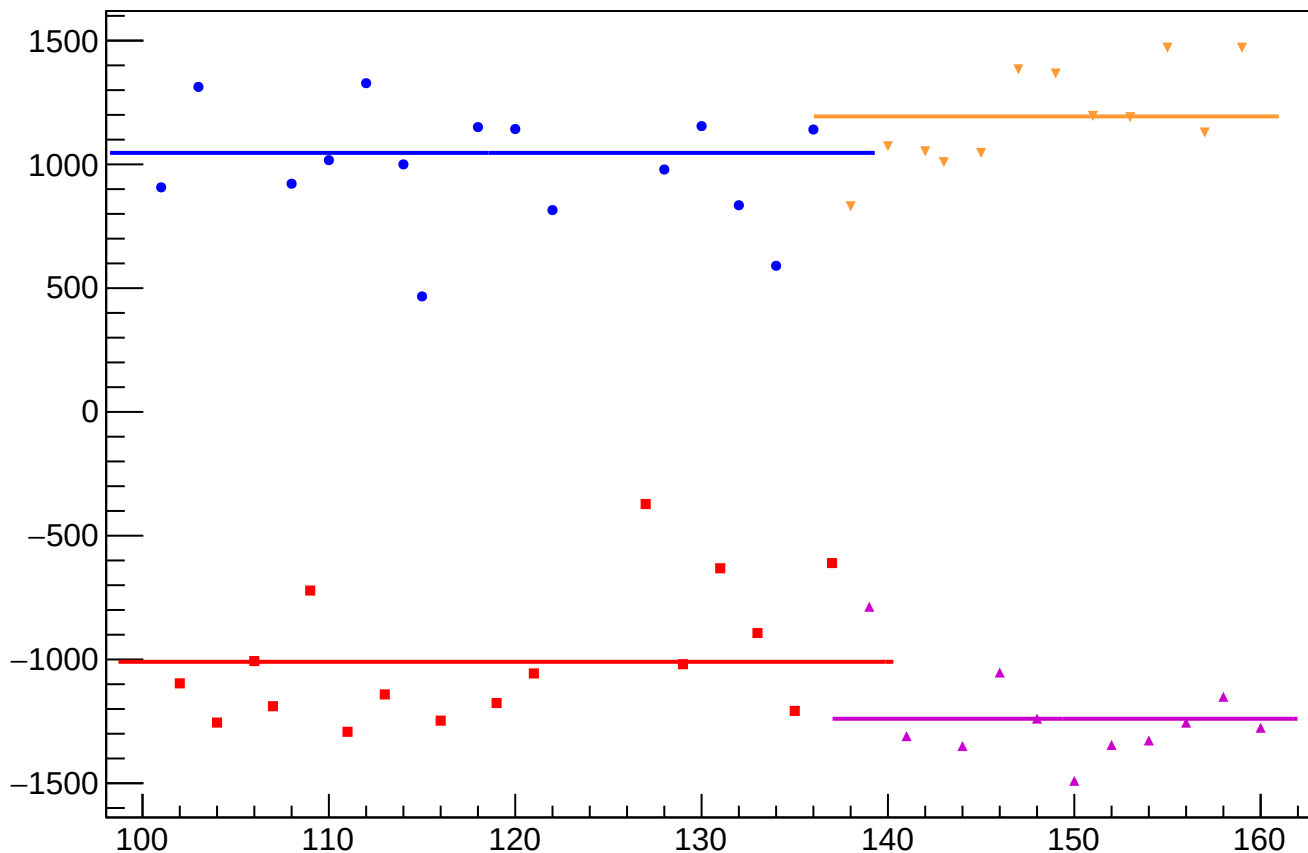
Right: -81.538 +/- 0.000 χ^2/NDF : 181435748538570

In: -214.593 +/- 0.000 χ^2/NDF : 9589997746321814

Out: 114.449 +/- 0.000 χ^2/NDF : 1902262791506616

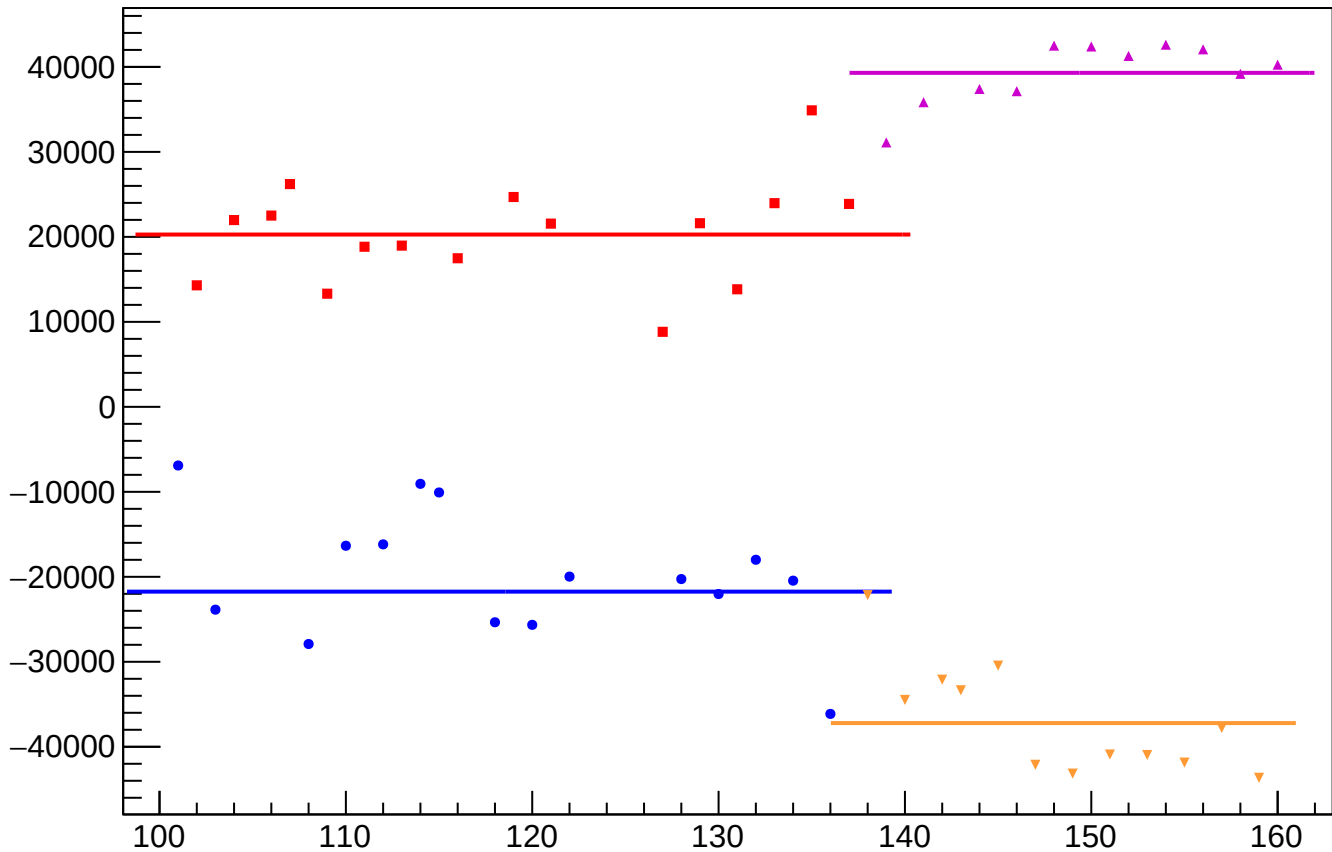
All: -49.654 +/- 0.000 χ^2/NDF : 294663207457

dit_atr1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_atr2_coil1_mean vs Slug, Sign Corrected



Right In: -21743.360+/-0.000

Left Out: -37210.761+/-0.000

Right Out: 20275.415+/-0.000

Left In: 39301.203+/-0.000

χ^2/NDF : 41106858823579527325198675675398793068544.0/14

χ^2/NDF : 36234813568101266501920845904945520574464.0/11

χ^2/NDF : 25935869132092920231681532417627320745984.0/15

χ^2/NDF : 10890557195828480655850873156116452212736.0/10

Left: 1253.360+/-0.000 χ^2/NDF : 273699578436603

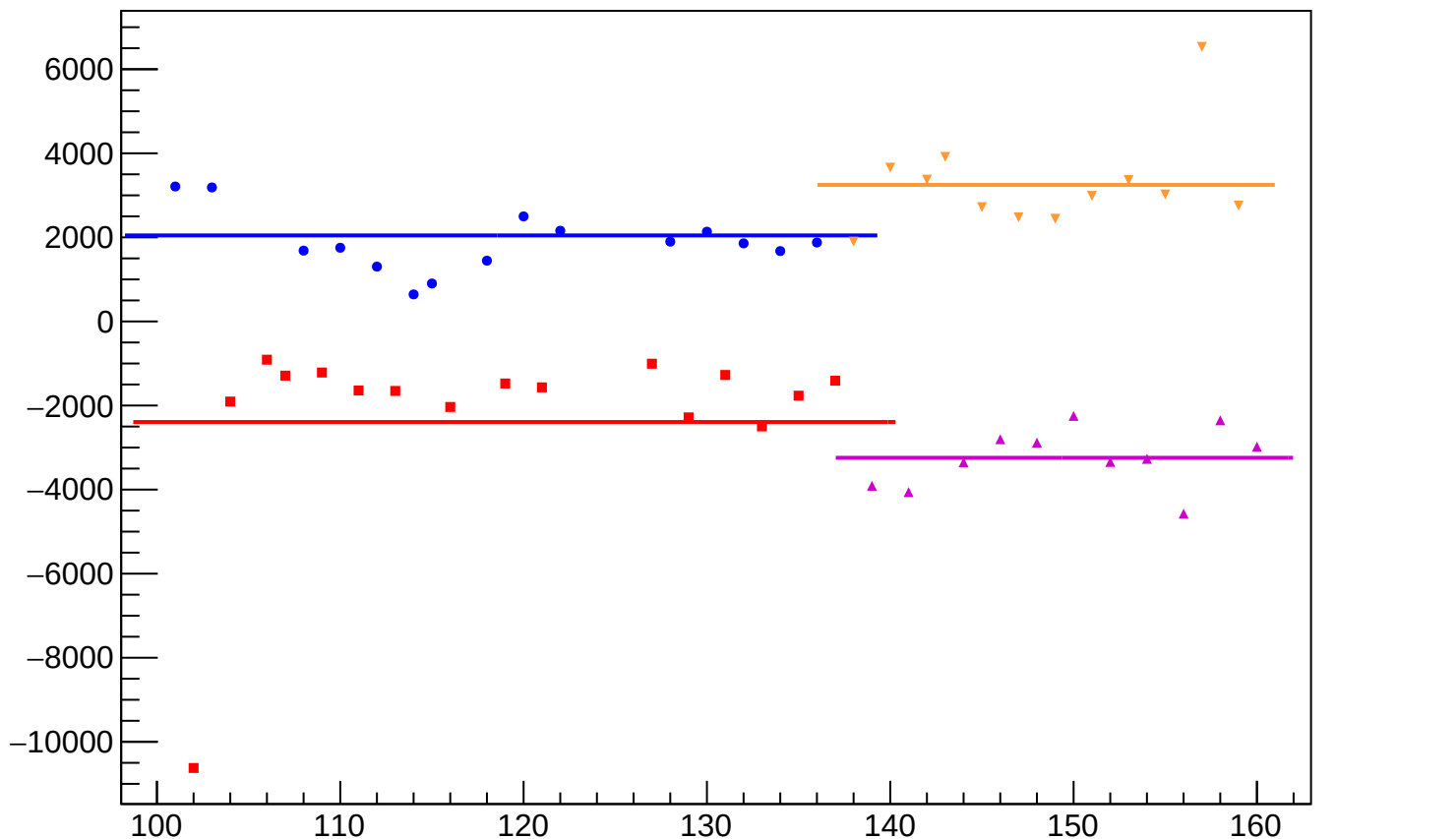
Right: -446.610+/-0.000 χ^2/NDF : 64780902874572

In: 14114.985+/-0.000 χ^2/NDF : 147263048816292

Out: -12958.212+/-0.000 χ^2/NDF : 1336456927560

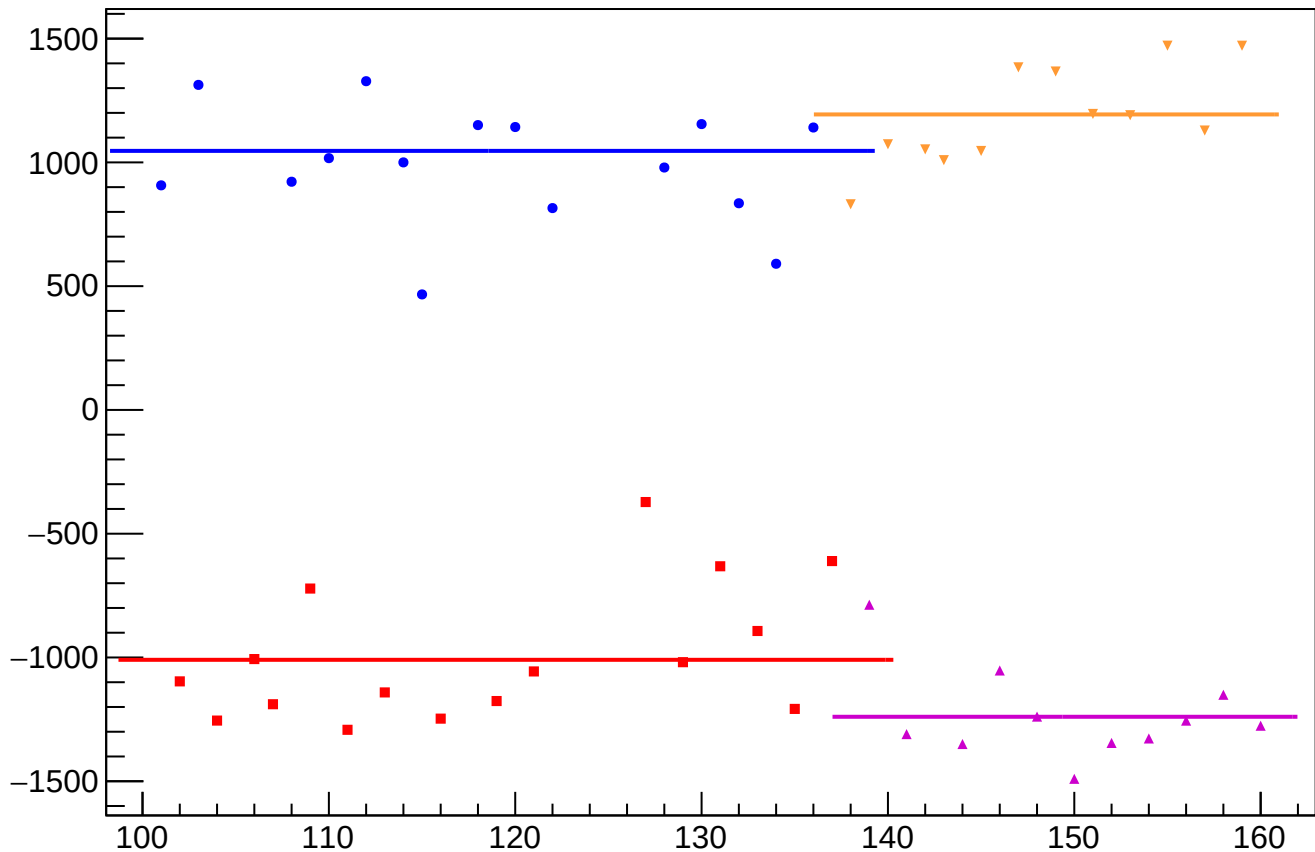
All: 544.051+/-0.000 χ^2/NDF : 338702108163

dit_atr2_coil1_err_mean vs Slug, Sign Corrected



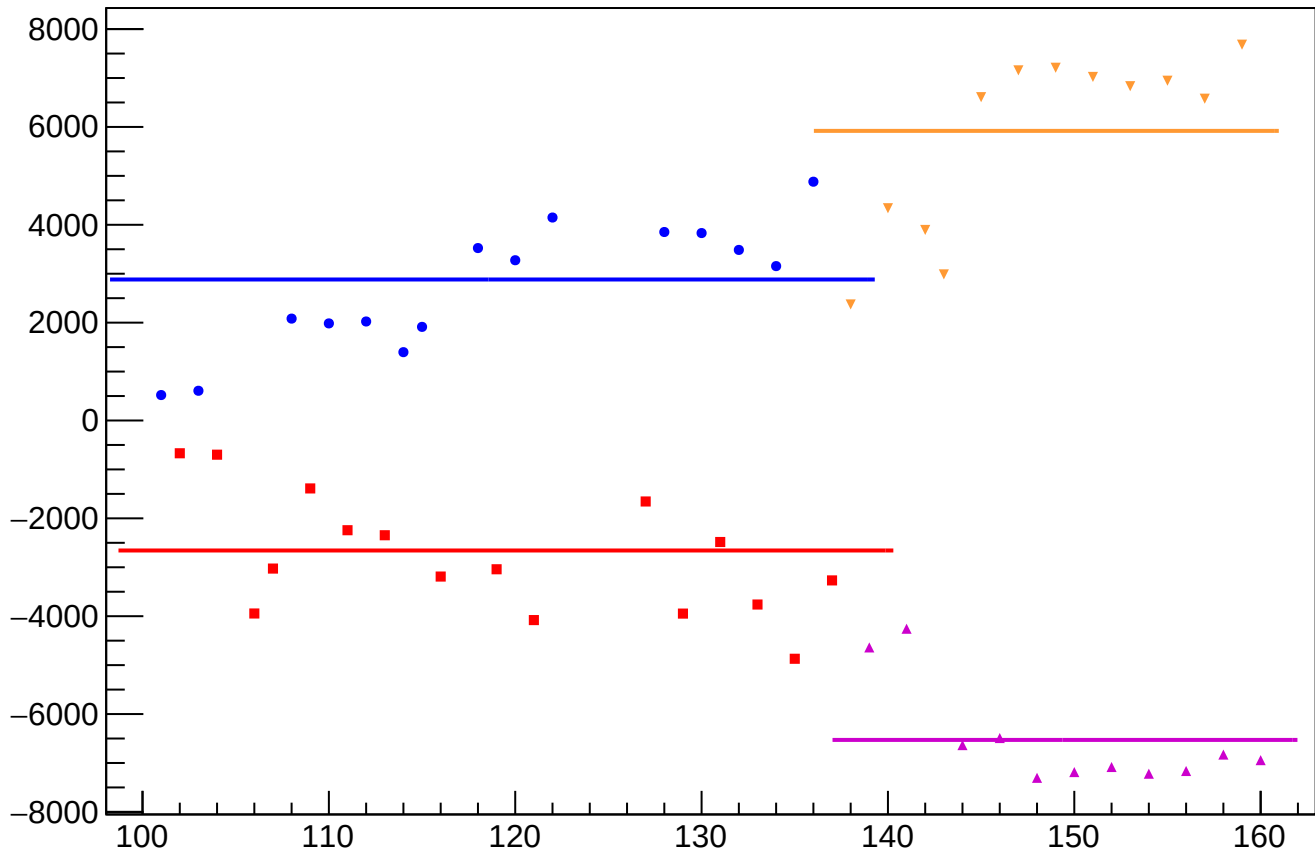
Right In: 2046.354+/-0.000 χ^2/NDF : 266555515927348892036833058355226345472.0/14
 Left Out: 3249.314+/-0.000 χ^2/NDF : 1190726211956001849078073092083852247040.0/11
 Right Out: -2391.939+/-0.000 χ^2/NDF : 4415294964789778815259357544579499819008.0/15
 Left In: -3243.479+/-0.000 χ^2/NDF : 422752345809564414875941115453230809088.0/10
 All: -93.355+/-0.000 χ^2/NDF : 321724014891

dit_atr2_coil1_Ndata_mean vs Slug, Sign Corrected



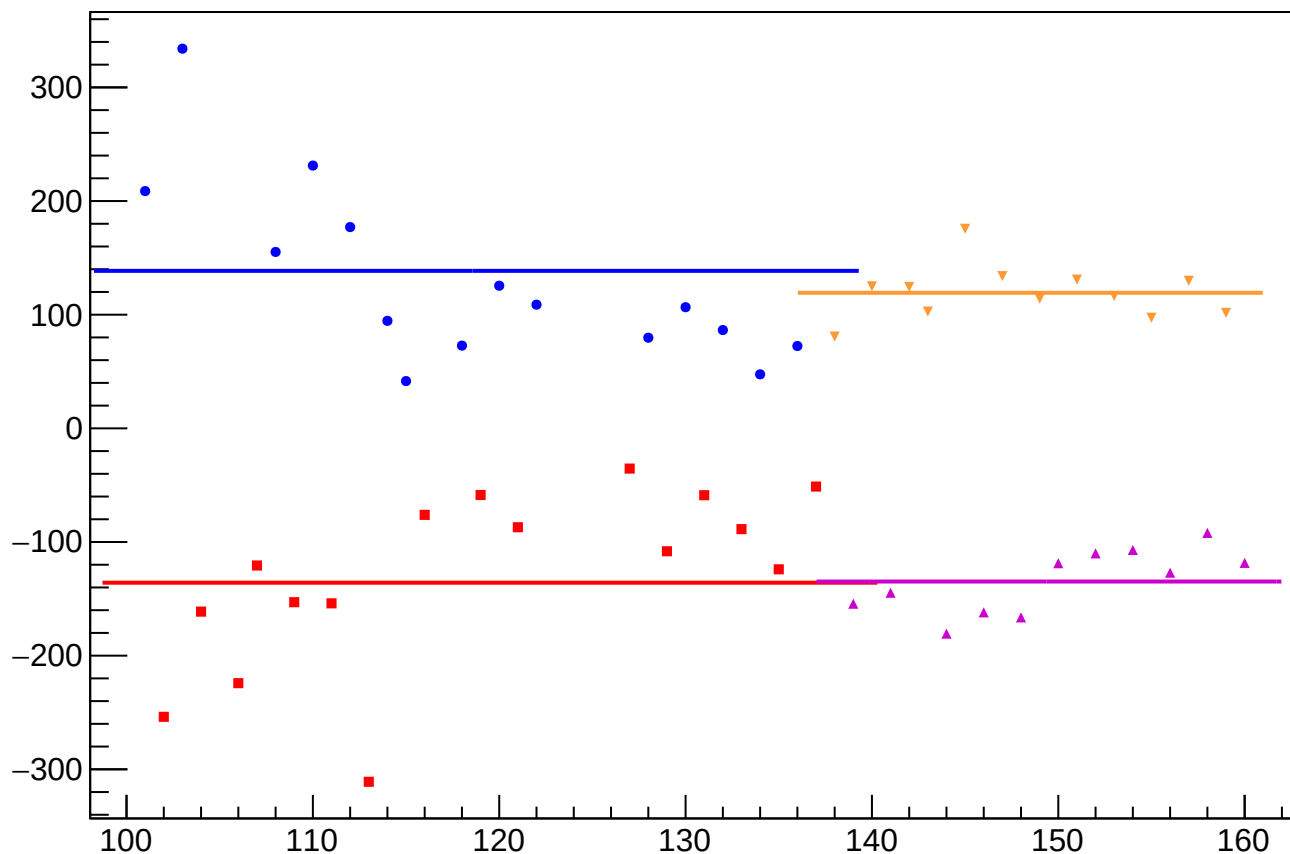
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam1_coil1_mean vs Slug, Sign Corrected



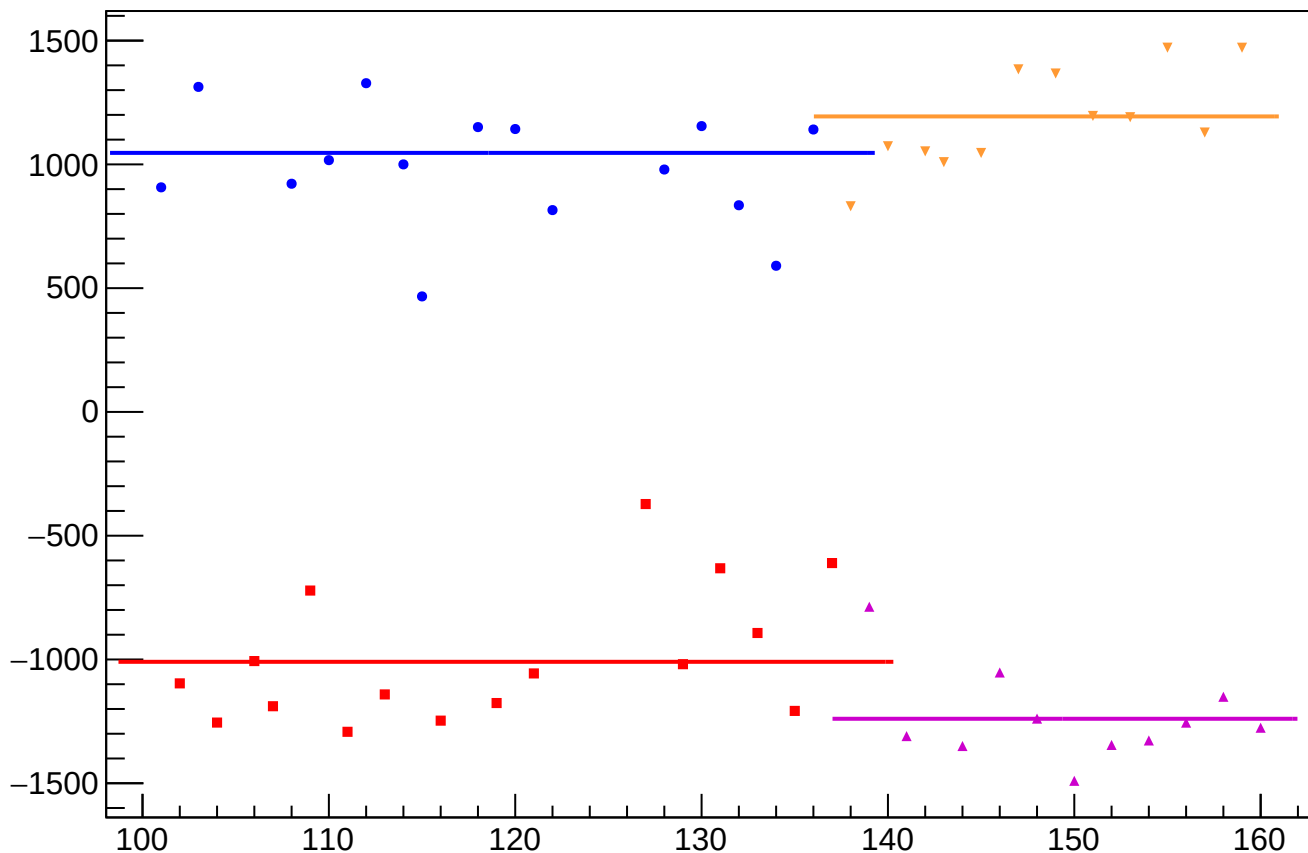
Right In: 2881.935 $\pm$ 0.000 χ^2 /NDF: 1320319391496525533692082365878834823168.0/14
 Left Out: 5919.511 $\pm$ 0.000 χ^2 /NDF: 2779072700024845827027981240176985767936.0/11
 Right Out: -2656.918 $\pm$ 0.000 χ^2 /NDF: 1077696846216053561130716877125509447680.0/15
 Left In: -6528.681 $\pm$ 0.000 χ^2 /NDF: 940619832290547661204641528694924378112.0/10
 All: -166.093 $\pm$ 0.000 χ^2 /NDF: 87540894065

dit_sam1_coil1_err_mean vs Slug, Sign Corrected



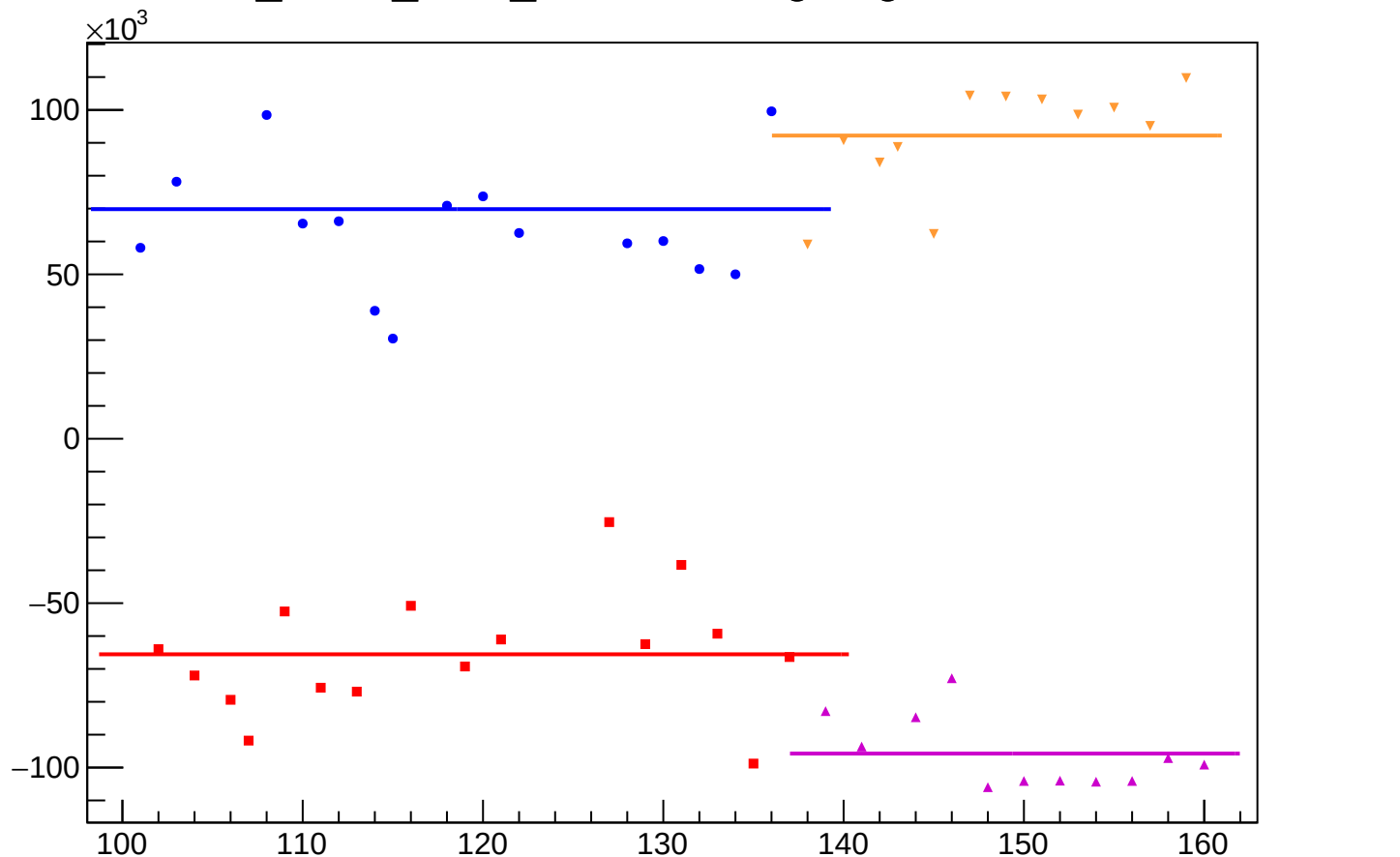
Left: -8.443 ± 0.000 χ^2/NDF : 30837594704815501
 Right In: 138.577 ± 0.000 χ^2/NDF : 4242369889979811373883774021335515136.0/14
 Right: -0.492 ± 0.000 χ^2/NDF : 3296375379571767
 Left Out: 119.282 ± 0.000 χ^2/NDF : 487845779395217879153815293985292288.0/11
 In: -21.999 ± 0.000 χ^2/NDF : 33420435655866245
 Right Out: -135.809 ± 0.000 χ^2/NDF : 3956401741862524263243160868173643776.0/15
 Out: 11.663 ± 0.000 χ^2/NDF : 29535896090786564
 Left In: -134.785 ± 0.000 χ^2/NDF : 689808602632315539029860685392642048.0/10
 All: -5.125 ± 0.000 χ^2/NDF : 6384982584601

dit_sam1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam2_coil1_mean vs Slug, Sign Corrected



Right In: 69827.797 $\pm$ 0.000

χ^2 /NDF: 187803282116493131197684060541288926150656.0/14

Left Out: 92210.698 $\pm$ 0.000

χ^2 /NDF: 226577476657807585202083767685360289579008.0/11

Right Out: -65555.147 $\pm$ 0.000

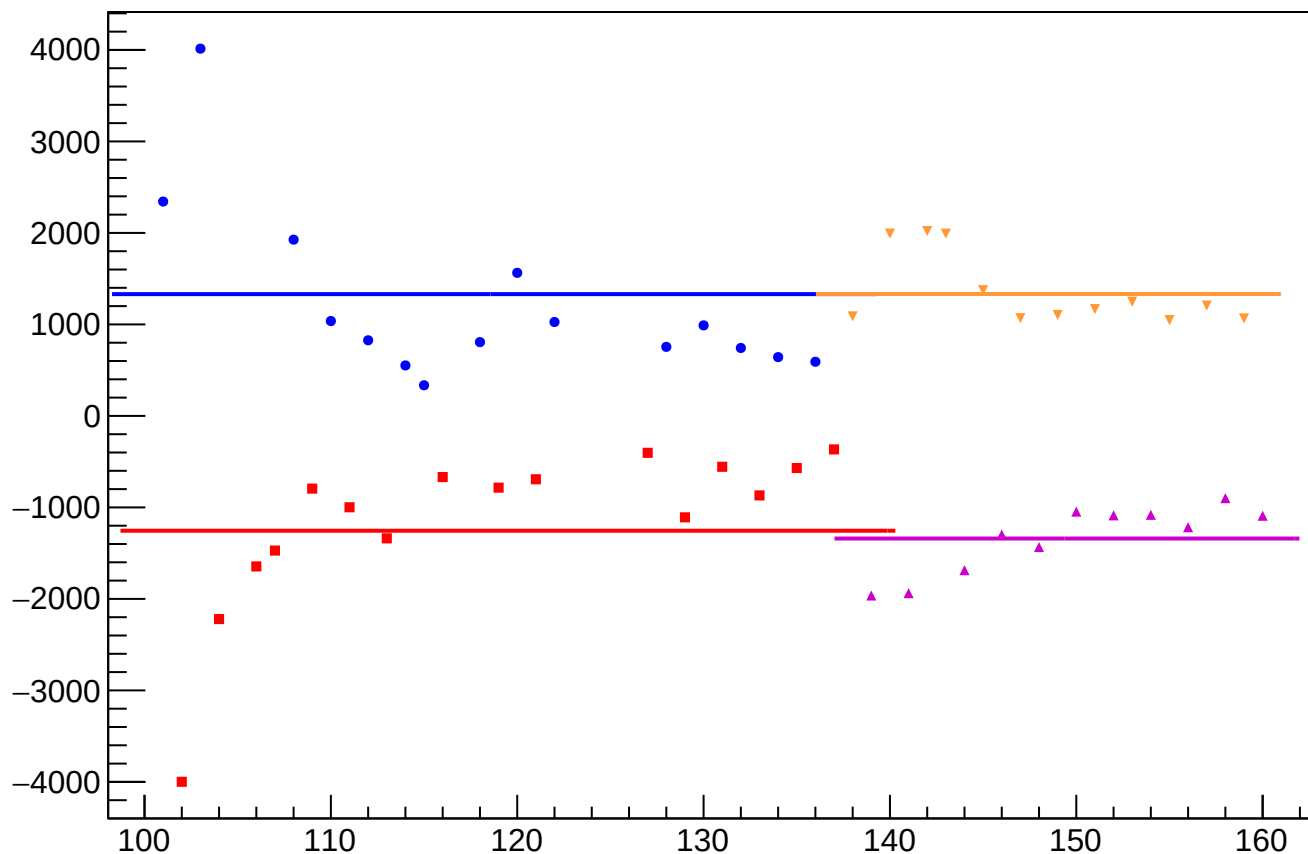
χ^2 /NDF: 212001467811386750910625783195999741673472.0/15

Left In: -95749.411 $\pm$ 0.000

χ^2 /NDF: 102376761881530271427340284738693826084864.0/10

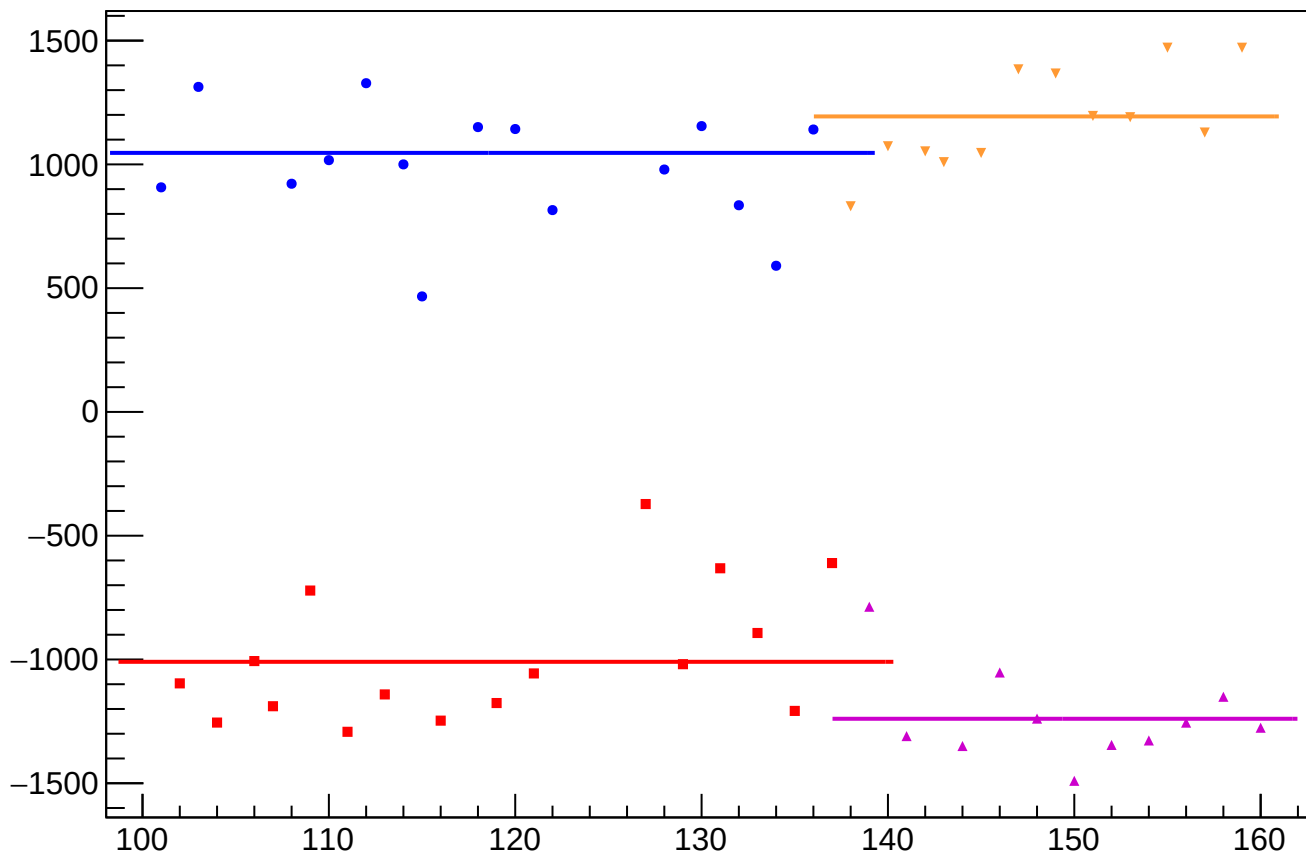
All: -824.008 $\pm$ 0.000 χ^2 /NDF: 23000264296

dit_sam2_coil1_err_mean vs Slug, Sign Corrected



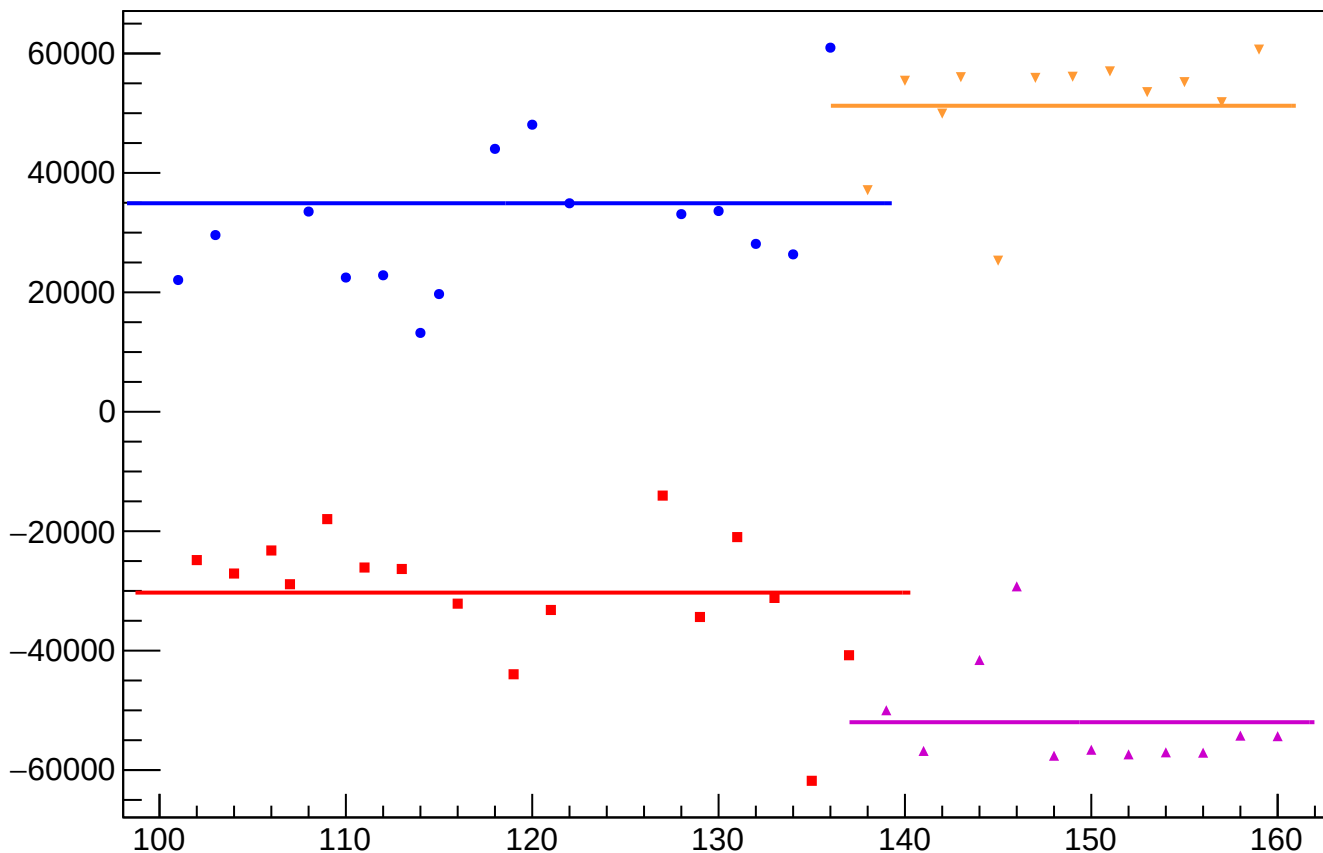
Right In: 1330.956+/-0.000 χ^2/NDF : 649481263842681659449409147059572834304.0/14
 Left Out: 1332.669+/-0.000 χ^2/NDF : 117488793251165999850417206895273050112.0/11
 Right Out: -1254.871+/-0.000 χ^2/NDF : 632140068983304062809817716800861765632.0/15
 Left In: -1340.185+/-0.000 χ^2/NDF : 114204911168201277023830767366477709312.0/10
 All: 2.067+/-0.000 χ^2/NDF : 69961590530550

dit_sam2_coil1_Ndata_mean vs Slug, Sign Corrected



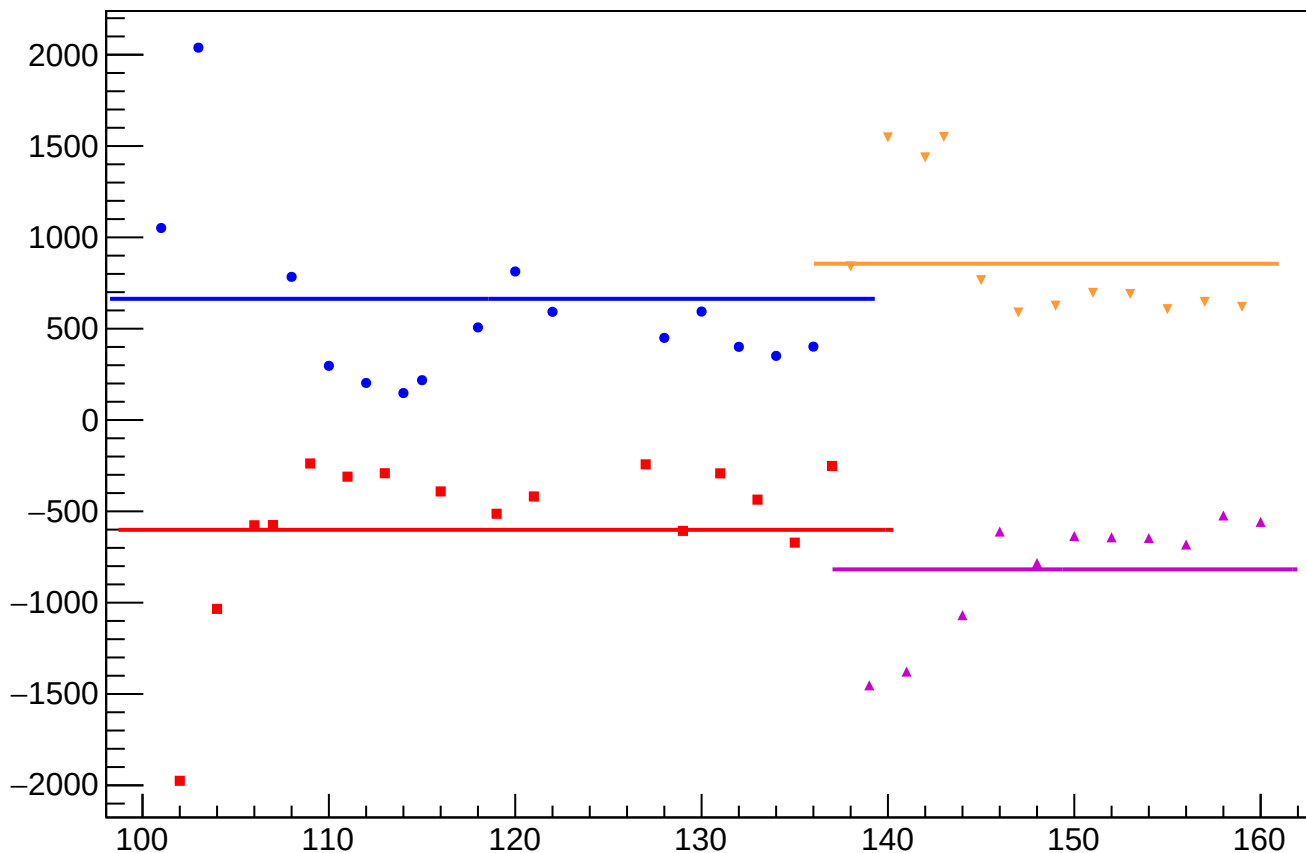
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam3_coil1_mean vs Slug, Sign Corrected



Right In: 34919.716+/-0.000 χ^2/NDF : 106387385440718622155122541848729997017088.0/14
 Left Out: 51246.568+/-0.000 χ^2/NDF : 86168540614102445062046954668602534395904.0/11
 Right Out: -30282.373+/-0.000 χ^2/NDF : 88346165266593126627598951693506073067520.0/15
 Left In: -51985.374+/-0.000 χ^2/NDF : 67172587579518863379504132116294676774912.0/10
 All: 402.483+/-0.000 χ^2/NDF : 664804674092

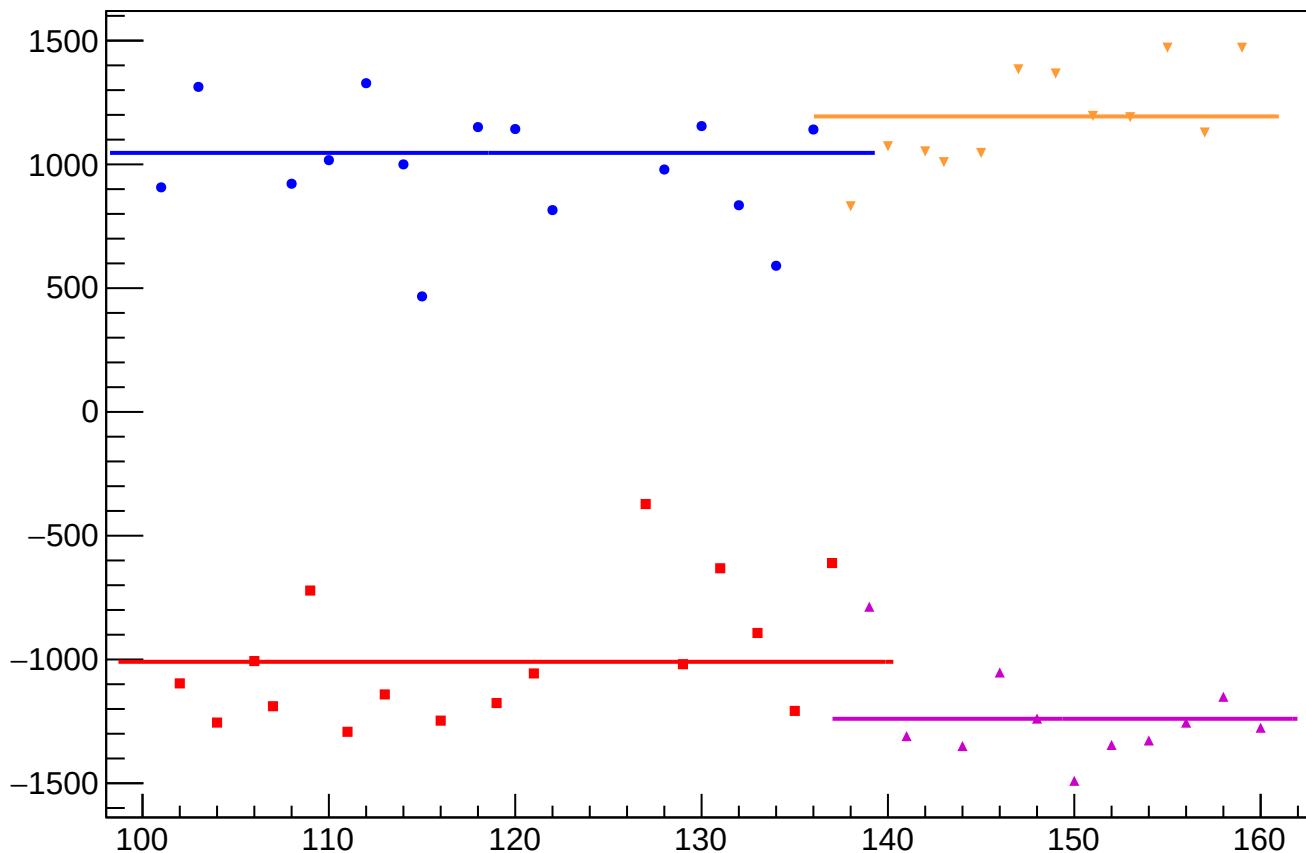
dit_sam3_coil1_err_mean vs Slug, Sign Corrected



Left: 14.433 ± 0.000 $\chi^2/\text{NDF}: 14918307802218483$
 Right: 22.529 ± 0.000 $\chi^2/\text{NDF}: 8336101395091641$
 In: -206.520 ± 0.000 $\chi^2/\text{NDF}: 1084558135298016$
 Out: 241.007 ± 0.000 $\chi^2/\text{NDF}: 1083013180112686$
 All: 17.811 ± 0.000 $\chi^2/\text{NDF}: 2325491183866$

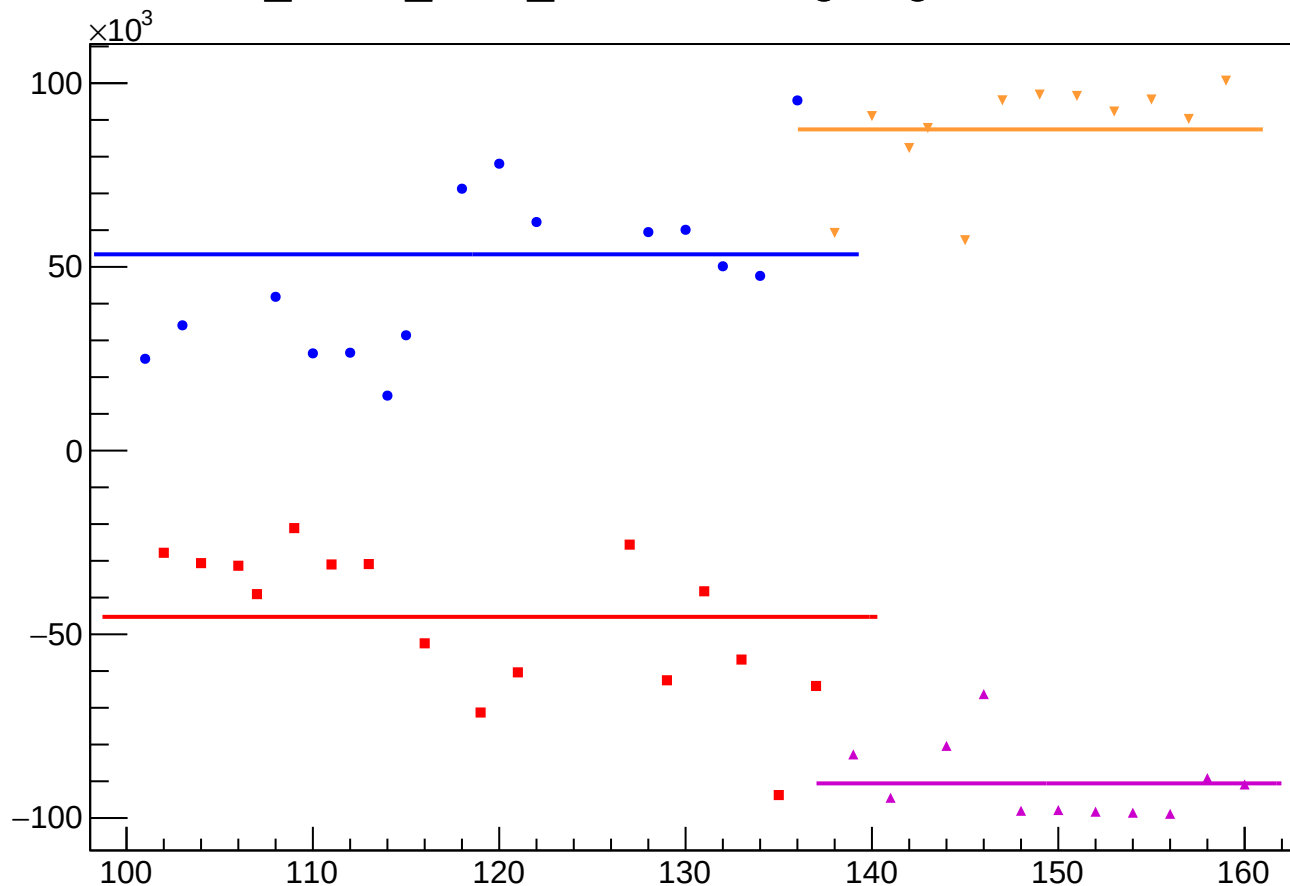
Right In: 663.574 ± 0.000 $\chi^2/\text{NDF}: 157691812872720822886914966597312446464.0/14$
 Left Out: 855.627 ± 0.000 $\chi^2/\text{NDF}: 114895226746628689144721696446463606784.0/11$
 Right Out: -601.216 ± 0.000 $\chi^2/\text{NDF}: 149717884331889332339995334350831878144.0/15$
 Left In: -817.657 ± 0.000 $\chi^2/\text{NDF}: 90429548723715663326805299076811194368.0/10$

dit_sam3_coil1_Ndata_mean vs Slug, Sign Corrected



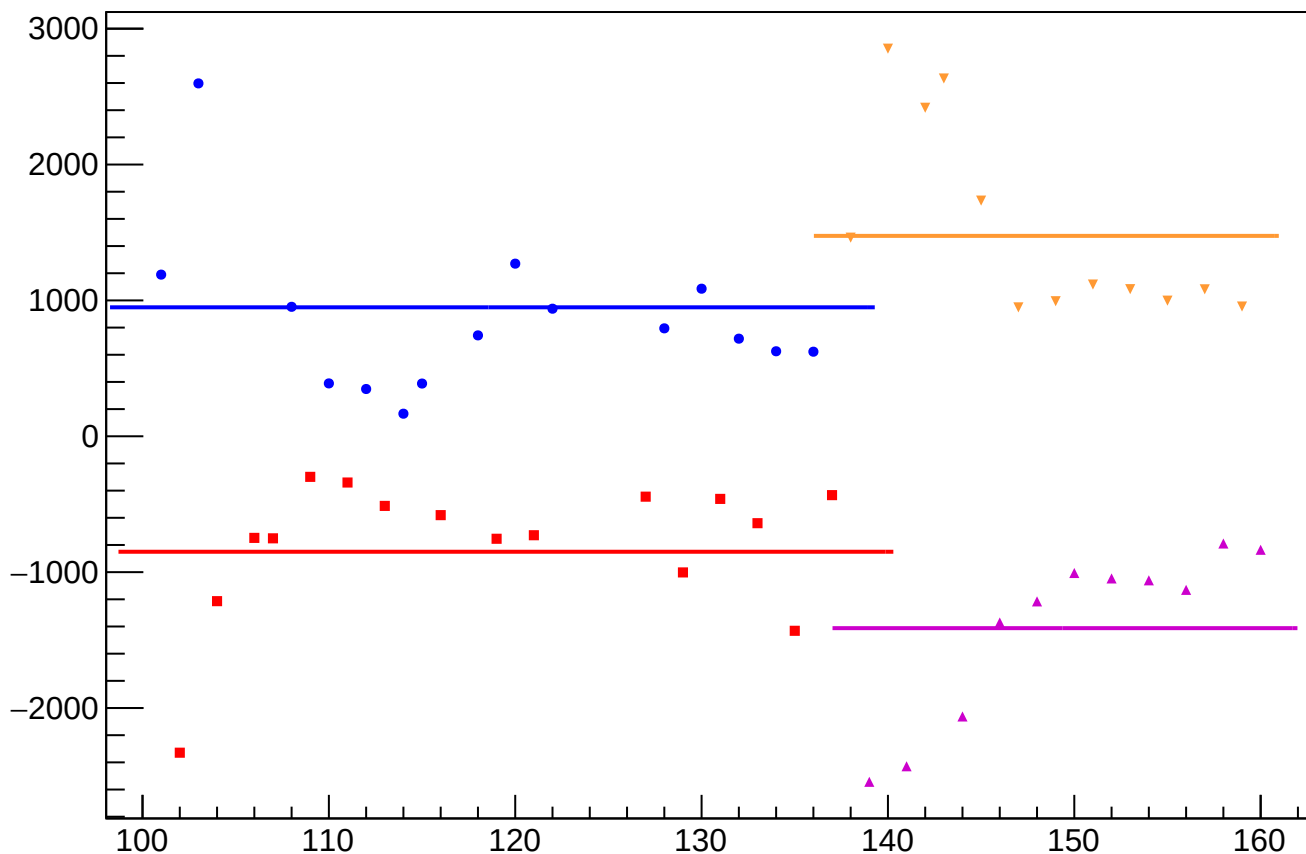
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam4_coil1_mean vs Slug, Sign Corrected



Right In: 53422.452+/-0.000 χ^2/NDF : 360635757315133800133751123167777346551808.0/14
 Left Out: 87421.965+/-0.000 χ^2/NDF : 176009447933973172298765808269588074332160.0/11
 Right Out: -45247.617+/-0.000 χ^2/NDF : 286060196488034430215784613374055547928576.0/15
 Left In: -90573.760+/-0.000 χ^2/NDF : 90574081394354221593949262312406685581312.0/10
 All: 223.377+/-0.000 χ^2/NDF : 186963897473

dit_sam4_coil1_err_mean vs Slug, Sign Corrected



Right In: 949.197+/-0.000

χ^2/NDF : 225691032183153732733308094067658194944.0/14

Left: 23.551+/-0.000 χ^2/NDF : 45705013574232363

Right: 37.382+/-0.000 χ^2/NDF : 1494917928354426

Left Out: 1474.996+/-0.000

χ^2/NDF : 407776279141254062636078508853738602496.0/11

In: -437.909+/-0.000 χ^2/NDF : 2684013086565036

Right Out: -849.827+/-0.000

χ^2/NDF : 204622224261577247702227312745197338624.0/15

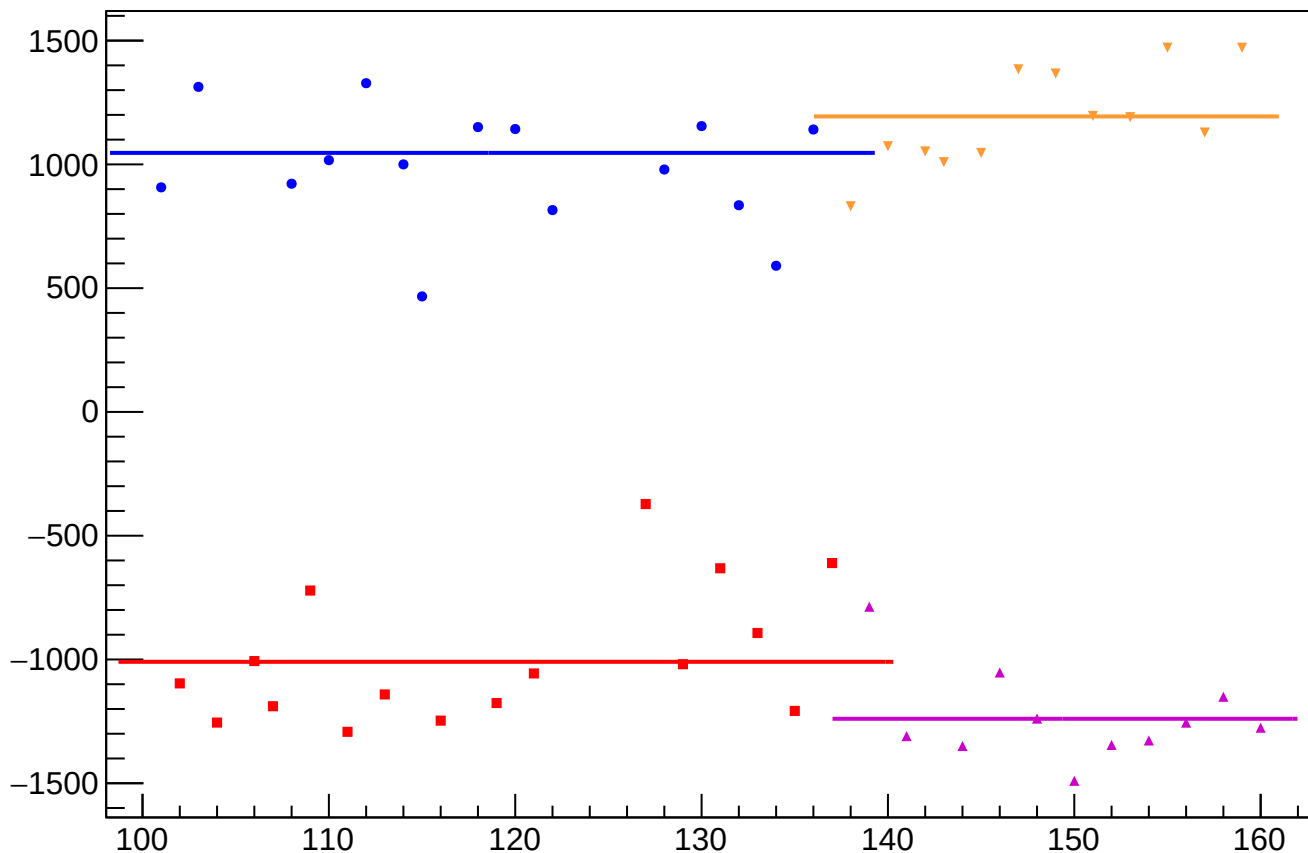
Out: 494.188+/-0.000 χ^2/NDF : 2696503915470133

Left In: -1412.186+/-0.000

χ^2/NDF : 332529390934897118157875972661756035072.0/10

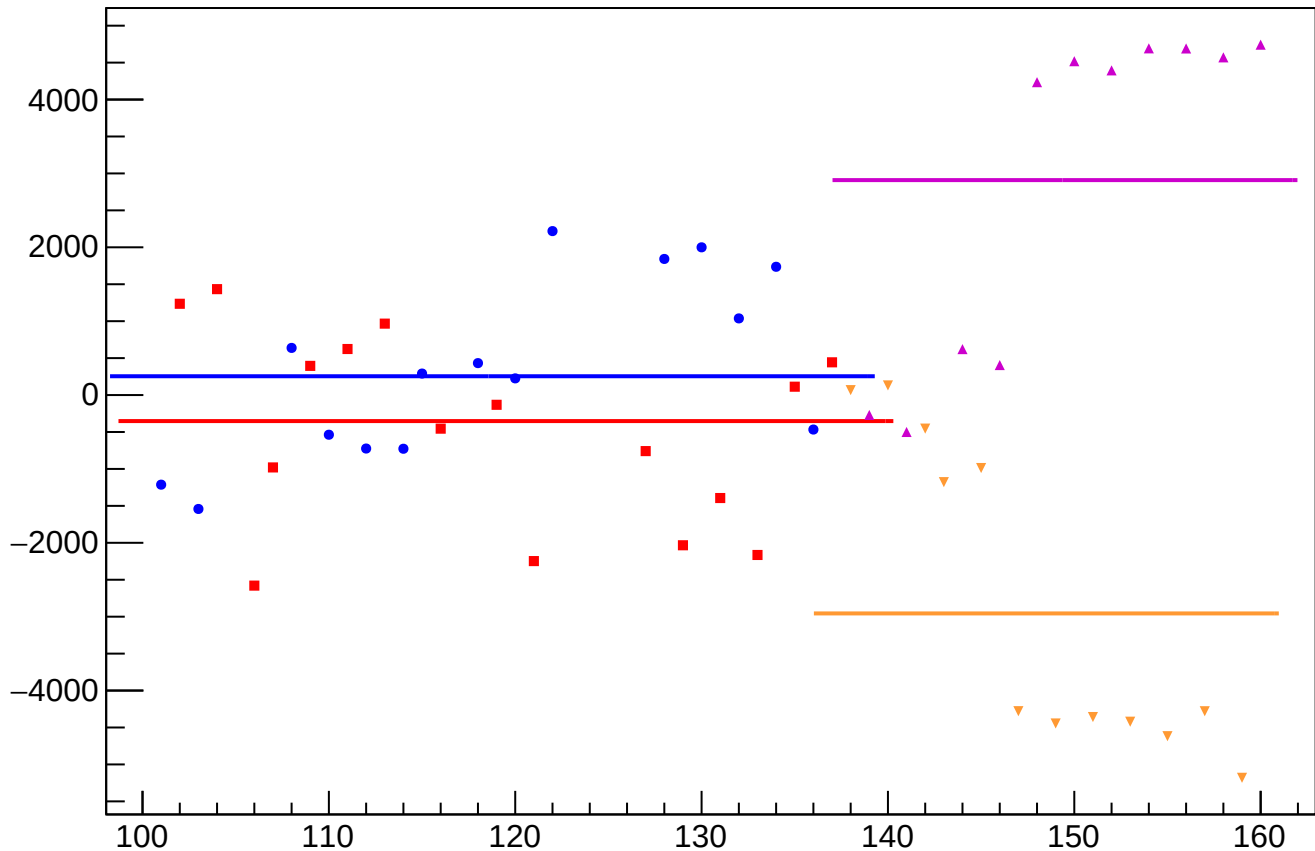
All: 29.322+/-0.000 χ^2/NDF : 6065565997163

dit_sam4_coil1_Ndata_mean vs Slug, Sign Corrected



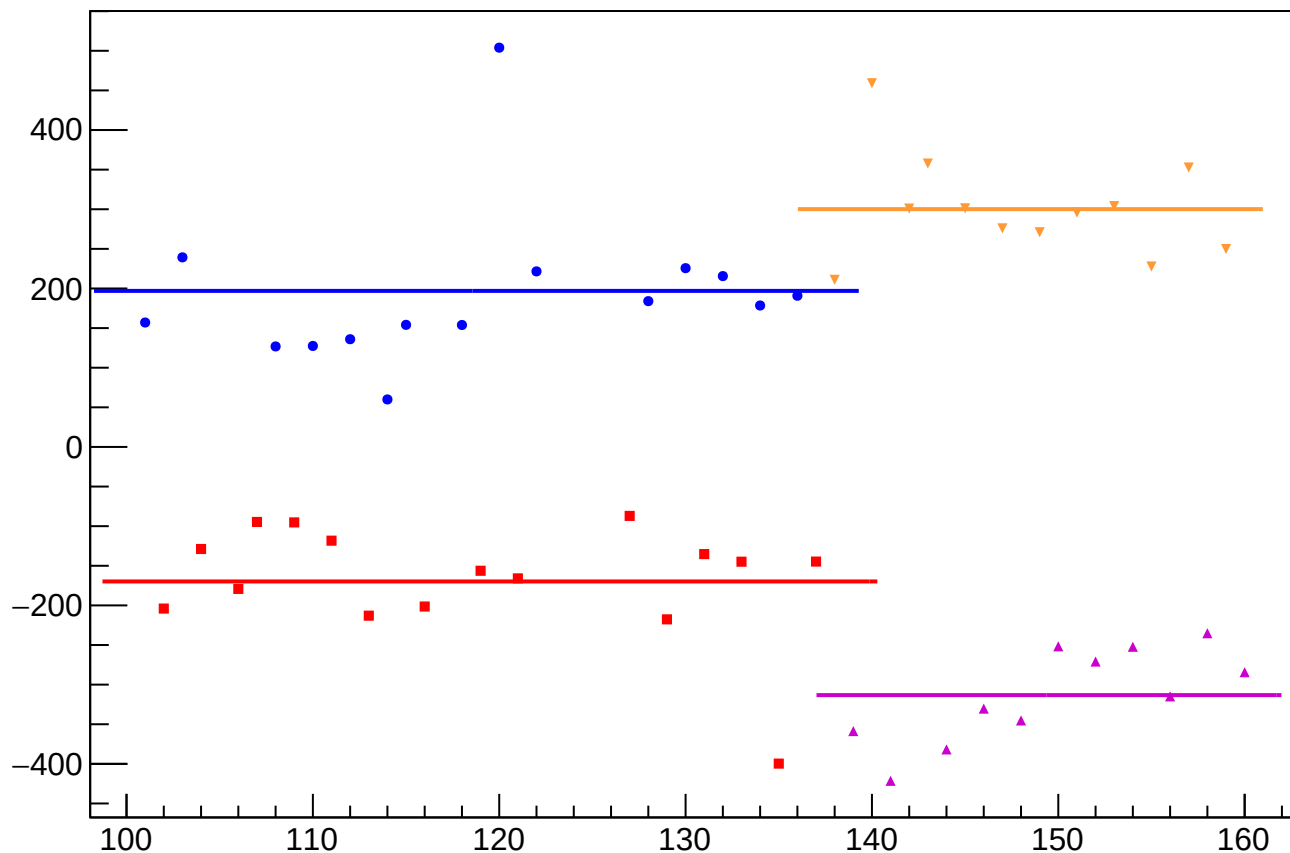
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam5_coil1_mean vs Slug, Sign Corrected



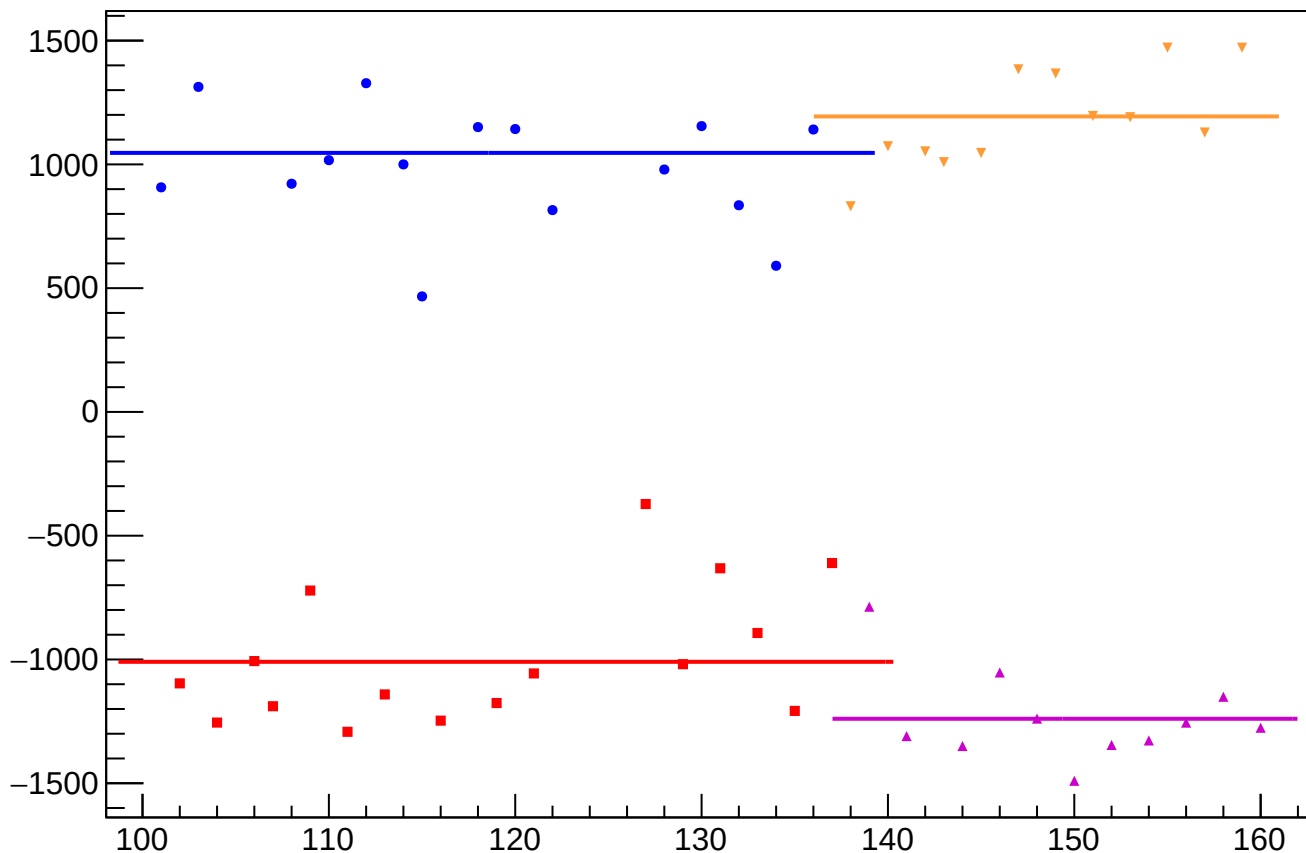
Left: -7.270 +/- 0.000 χ^2/NDF : 23893577266149002
 Right In: 254.578 +/- 0.000 χ^2/NDF : 978402113531006640741569223967249530880.0/14
 Right: -53.015 +/- 0.000 χ^2/NDF : 220036732540735
 Left Out: -2955.997 +/- 0.000 χ^2/NDF : 3707818280907677847342876591435129290752.0/11
 In: 1814.139 +/- 0.000 χ^2/NDF : 8042963130029704
 Right Out: -352.308 +/- 0.000 χ^2/NDF : 1100813647101508513447529068154010468352.0/15
 Out: -1857.540 +/- 0.000 χ^2/NDF : 74227087248686
 Left In: 2909.545 +/- 0.000 χ^2/NDF : 4377323512278558404902073126276443406336.0/10
 All: -26.357 +/- 0.000 χ^2/NDF : 260955494544

dit_sam5_coil1_err_mean vs Slug, Sign Corrected



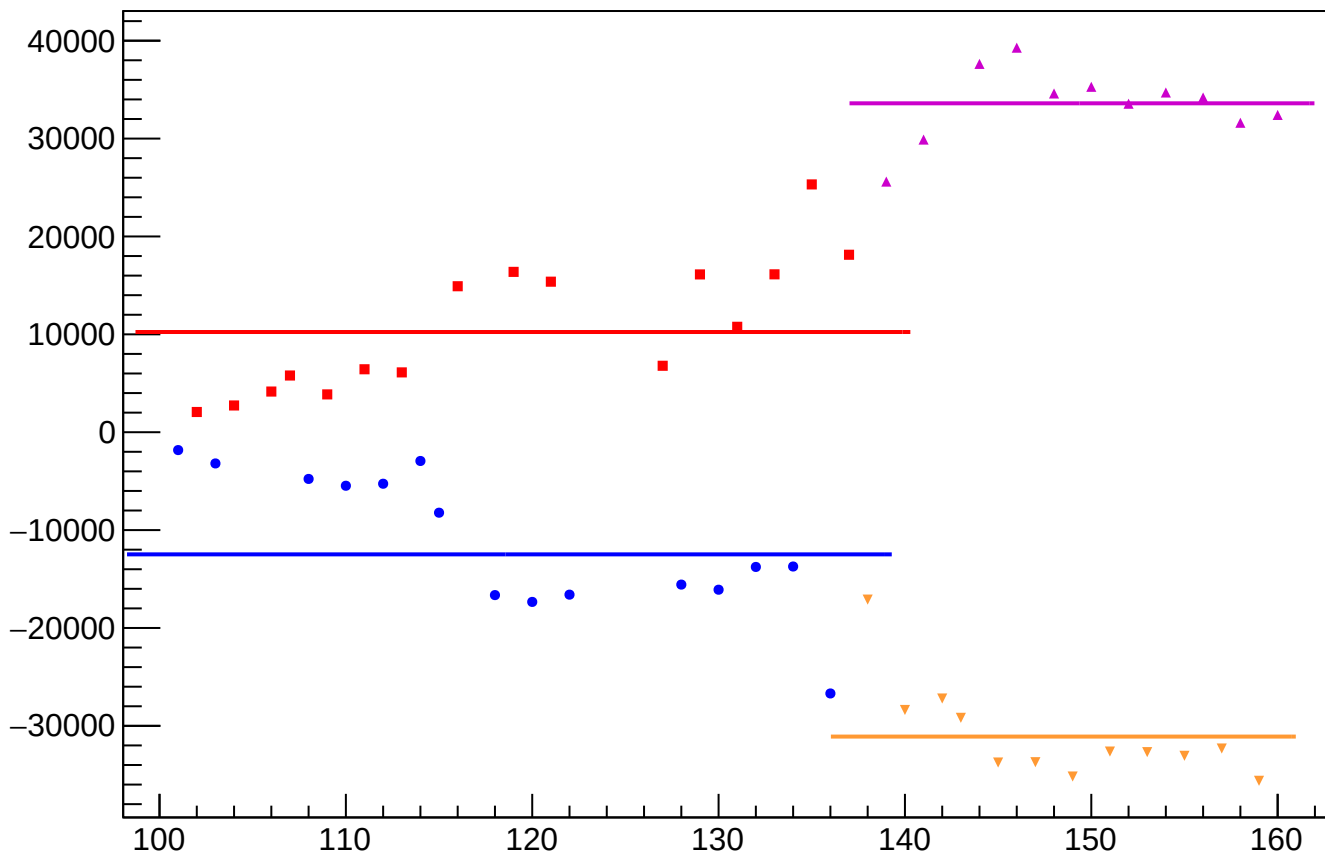
Right In: 196.955 $\pm$ 0.000 χ^2 /NDF: 4485245160329657914621372425838788608.0/14
 Left Out: 300.154 $\pm$ 0.000 χ^2 /NDF: 3873021428685352941137053448690204672.0/11
 Right Out: -169.778 $\pm$ 0.000 χ^2 /NDF: 3892609445494845784493558646385410048.0/15
 Left In: -313.228 $\pm$ 0.000 χ^2 /NDF: 3079061701843560714774529768142405632.0/10
 All: -0.159 $\pm$ 0.000 χ^2 /NDF: 2327307530740

dit_sam5_coil1_Ndata_mean vs Slug, Sign Corrected



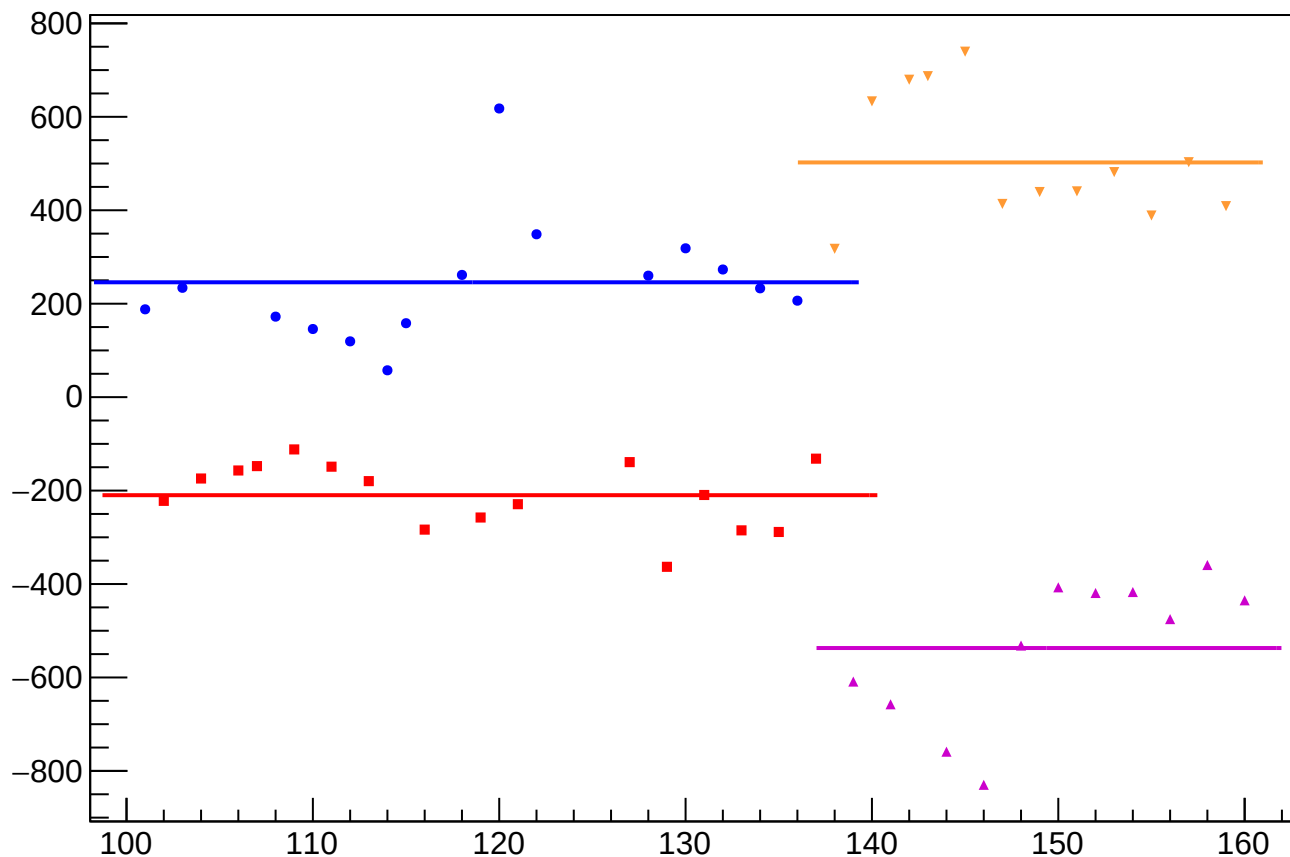
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam6_coil1_mean vs Slug, Sign Corrected



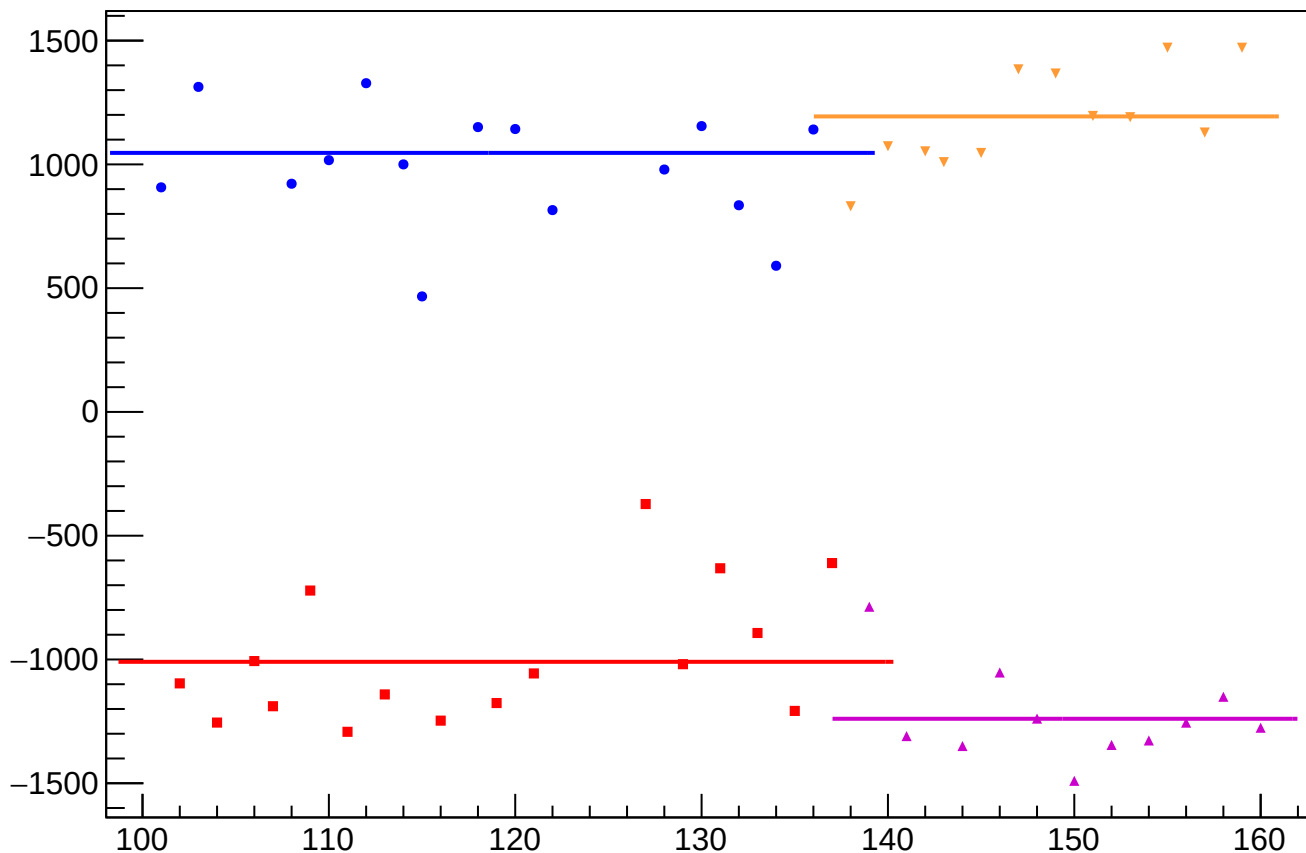
Right In: -12479.653+/-0.000 χ^2/NDF : 41178633231253805317353333973475271901184.0/14
 Left Out: -31096.364+/-0.000 χ^2/NDF : 21759430970673179273891990313759368282112.0/11
 Right Out: 10238.098+/-0.000 χ^2/NDF : 31227861126159534031961501923223718068224.0/15
 Left In: 33603.125+/-0.000 χ^2/NDF : 11377877741280377988076632069746943066112.0/10
 All: 430.161+/-0.000 χ^2/NDF : 220312696497

dit_sam6_coil1_err_mean vs Slug, Sign Corrected



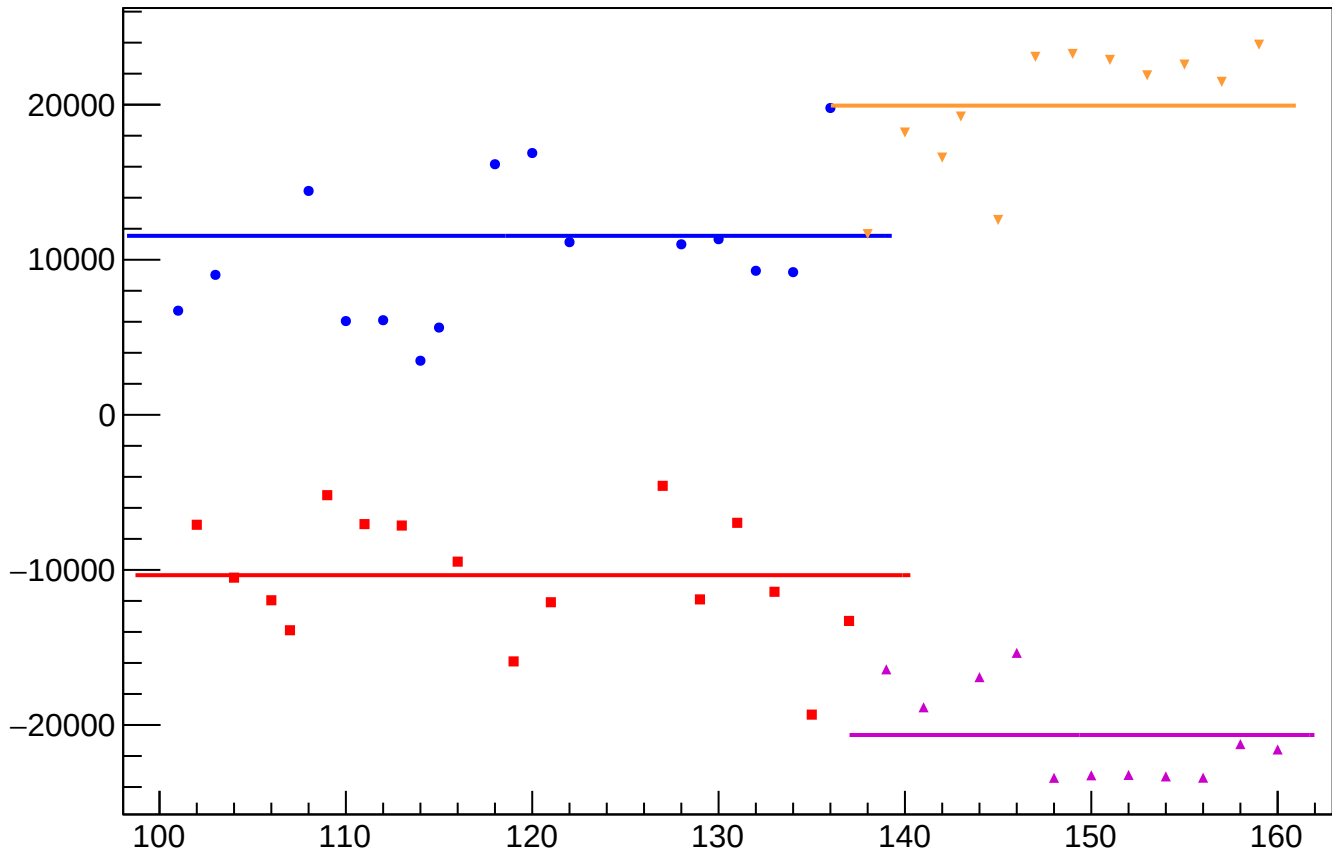
Right In: 245.832+/-0.000 χ^2/NDF : 7828269009300013139414476154059358208.0/14
 Left Out: 502.365+/-0.000 χ^2/NDF : 15191566092864942113763626663922368512.0/11
 Right Out: -209.844+/-0.000 χ^2/NDF : 3128489258838765241921217786024034304.0/15
 Left In: -536.975+/-0.000 χ^2/NDF : 20803022486400810956958367719555596288.0/10
 All: -5.524+/-0.000 χ^2/NDF : 6125424587177

dit_sam6_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam7_coil1_mean vs Slug, Sign Corrected



Right In: 11542.759+/-0.000

χ^2/NDF : 14233543123238566357226766219014687424512.0/14

Left Out: 19940.398+/-0.000

χ^2/NDF : 15069486743345866506868658008400293003264.0/11

Right Out: -10339.969+/-0.000

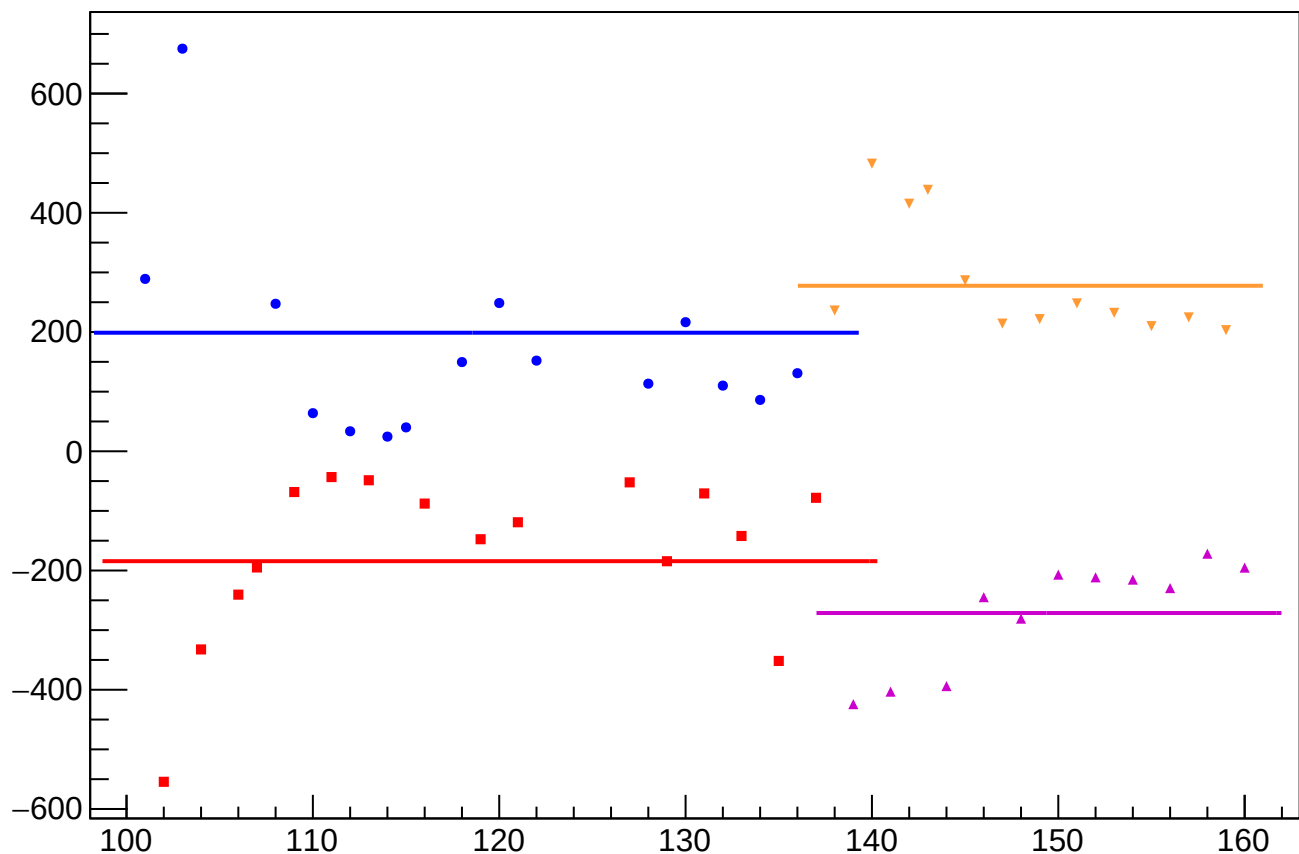
χ^2/NDF : 11260833863406751645923420062982418202624.0/15

Left In: -20645.358+/-0.000

χ^2/NDF : 8456327376882782804888899010558833983488.0/10

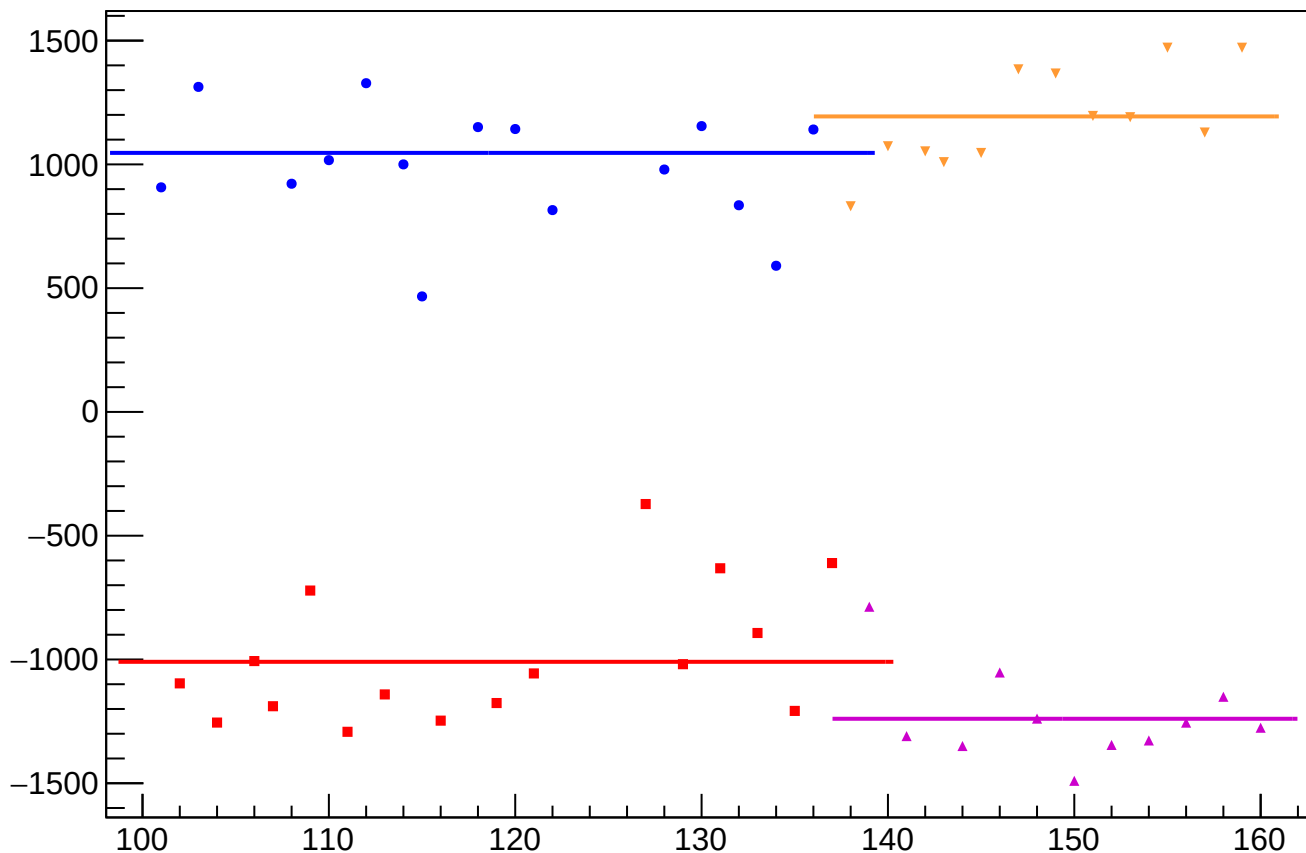
All: -81.261+/-0.000 χ^2/NDF : 964042806490

dit_sam7_coil1_err_mean vs Slug, Sign Corrected



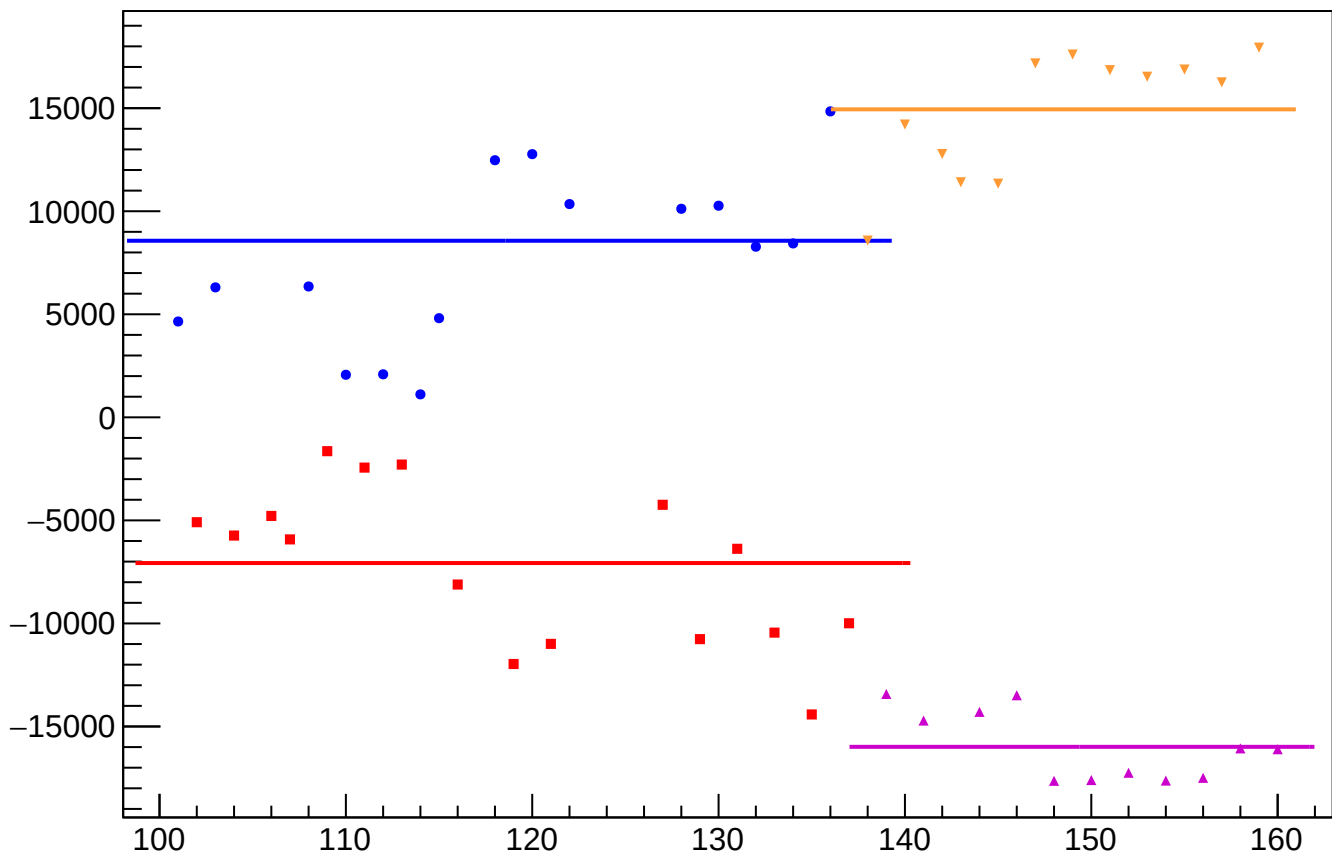
Right In: 198.850 $\pm$ 0.000 χ^2 /NDF: 18333995109503438037075916944440295424.0/14
 Left Out: 277.638 $\pm$ 0.000 χ^2 /NDF: 8038613705890486227984688847014330368.0/11
 Right Out: -184.328 $\pm$ 0.000 χ^2 /NDF: 14927434931395588601024961538372403200.0/15
 Left In: -271.291 $\pm$ 0.000 χ^2 /NDF: 7112445981030520145066814103974051840.0/10
 All: 2.915 $\pm$ 0.000 χ^2 /NDF: 2351696492796

dit_sam7_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam8_coil1_mean vs Slug, Sign Corrected



Right In: 8567.784+/-0.000

χ^2/NDF : 11106048878972501366429055679645708451840.0/14

Left Out: 14943.560+/-0.000

χ^2/NDF : 7900539606524387386359998406585036570624.0/11

Right Out: -7069.884+/-0.000

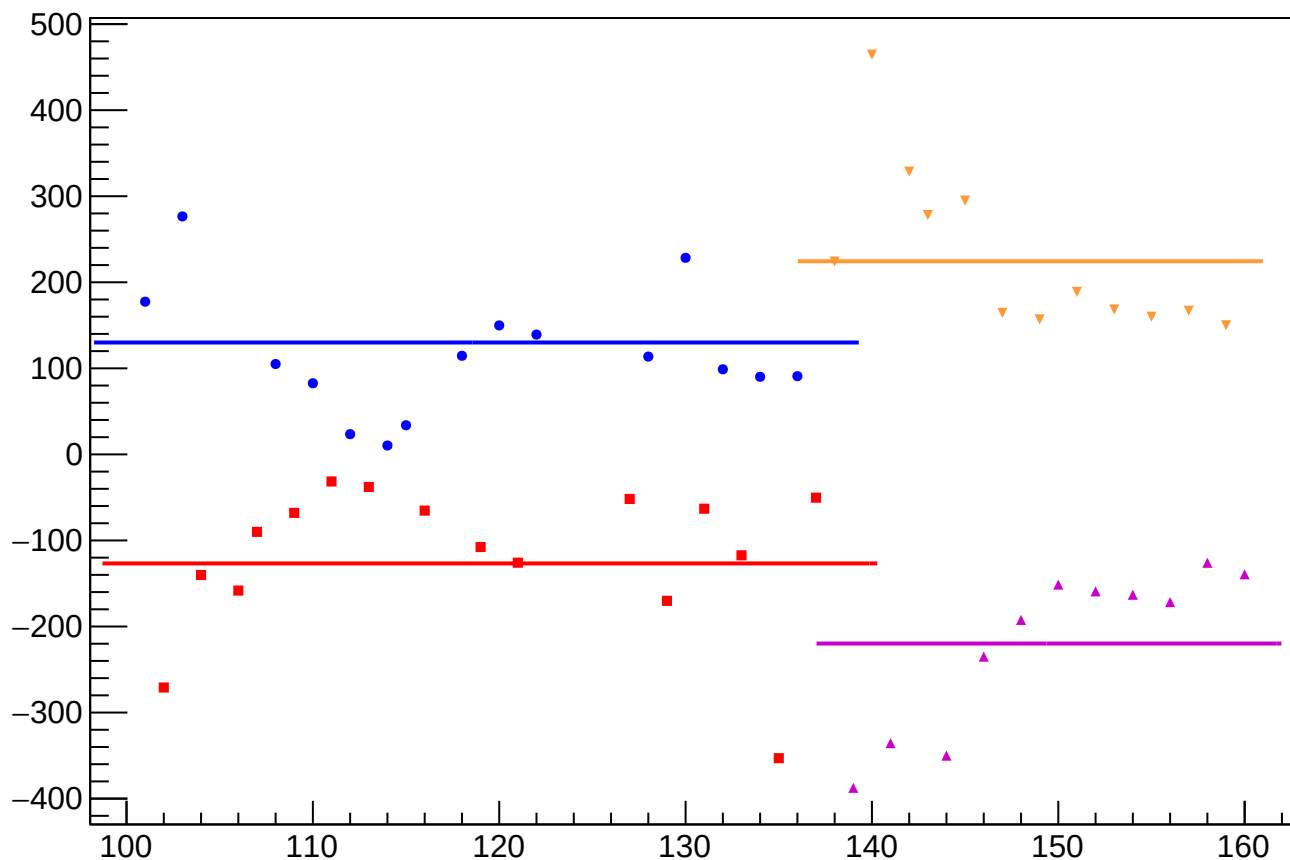
χ^2/NDF : 10076862363502652111378210539664387866624.0/15

Left In: -15987.436+/-0.000

χ^2/NDF : 2470393428254815728629083332629999124480.0/10

All: -85.320+/-0.000 χ^2/NDF : 552788797574

dit_sam8_coil1_err_mean vs Slug, Sign Corrected



Right In: 130.021+/-0.000

χ^2/NDF : 3115259987552341725946418665378283520.0/14

Left Out: 224.458+/-0.000

χ^2/NDF : 7870394140048491055430374232164401152.0/11

Right Out: -126.709+/-0.000

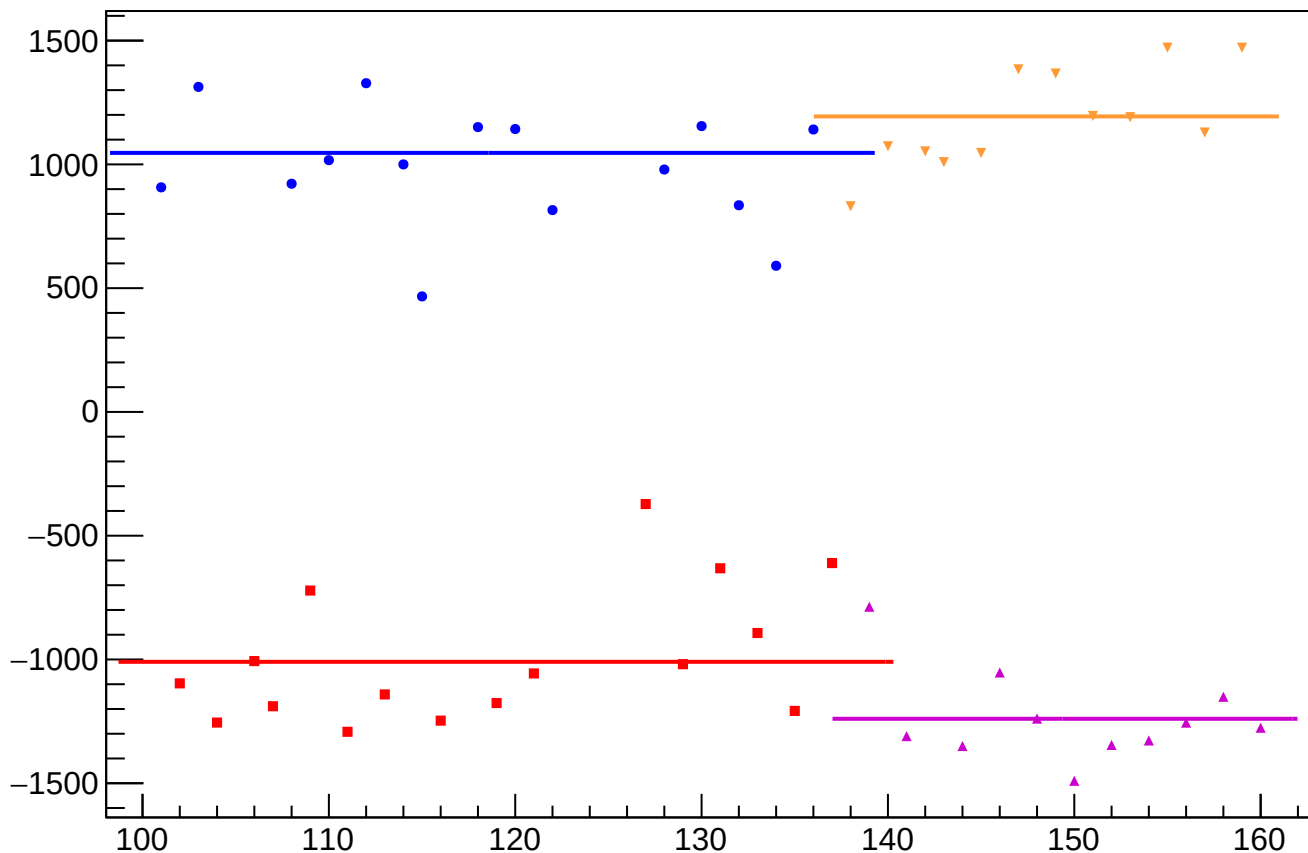
χ^2/NDF : 5397122581297664561308621600668516352.0/15

Left In: -219.787+/-0.000

χ^2/NDF : 7418609629454172879787970620999860224.0/10

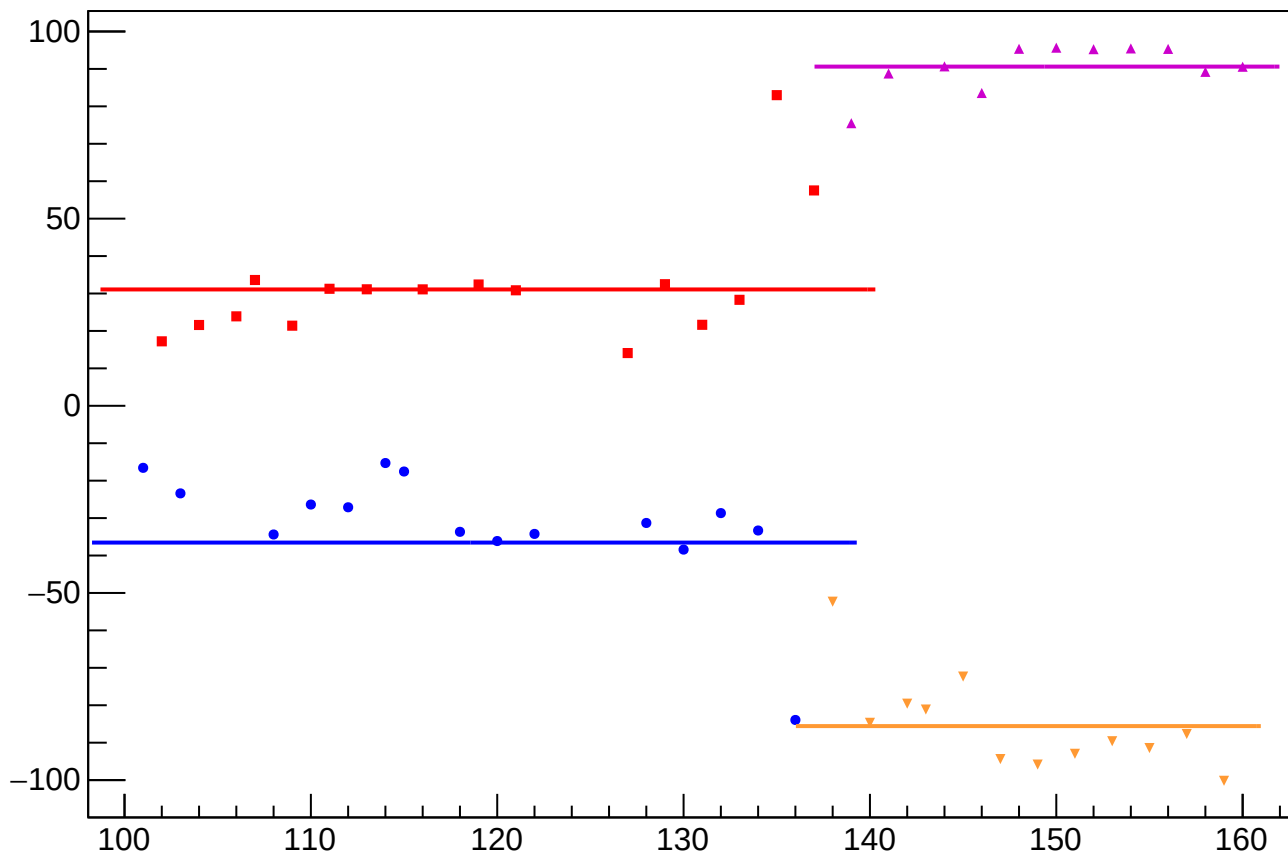
All: 0.615+/-0.000 χ^2/NDF : 1361639505758

dit_sam8_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_4aX_coil3_mean vs Slug, Sign Corrected



Right In: -36.540 $\pm$ 0.000

Left Out: -85.570 $\pm$ 0.000

Right Out: 31.085 $\pm$ 0.000

Left In: 90.618 $\pm$ 0.000

χ^2 /NDF: 254351867861444609202637633864335360.0/14

χ^2 /NDF: 143557776257547990865591640732467200.0/11

χ^2 /NDF: 181291079119381636178408498876383232.0/15

χ^2 /NDF: 33089833083626408117297955498622976.0/10

Left: 3.003 $\pm$ 0.000 χ^2 /NDF: 144401853367529279

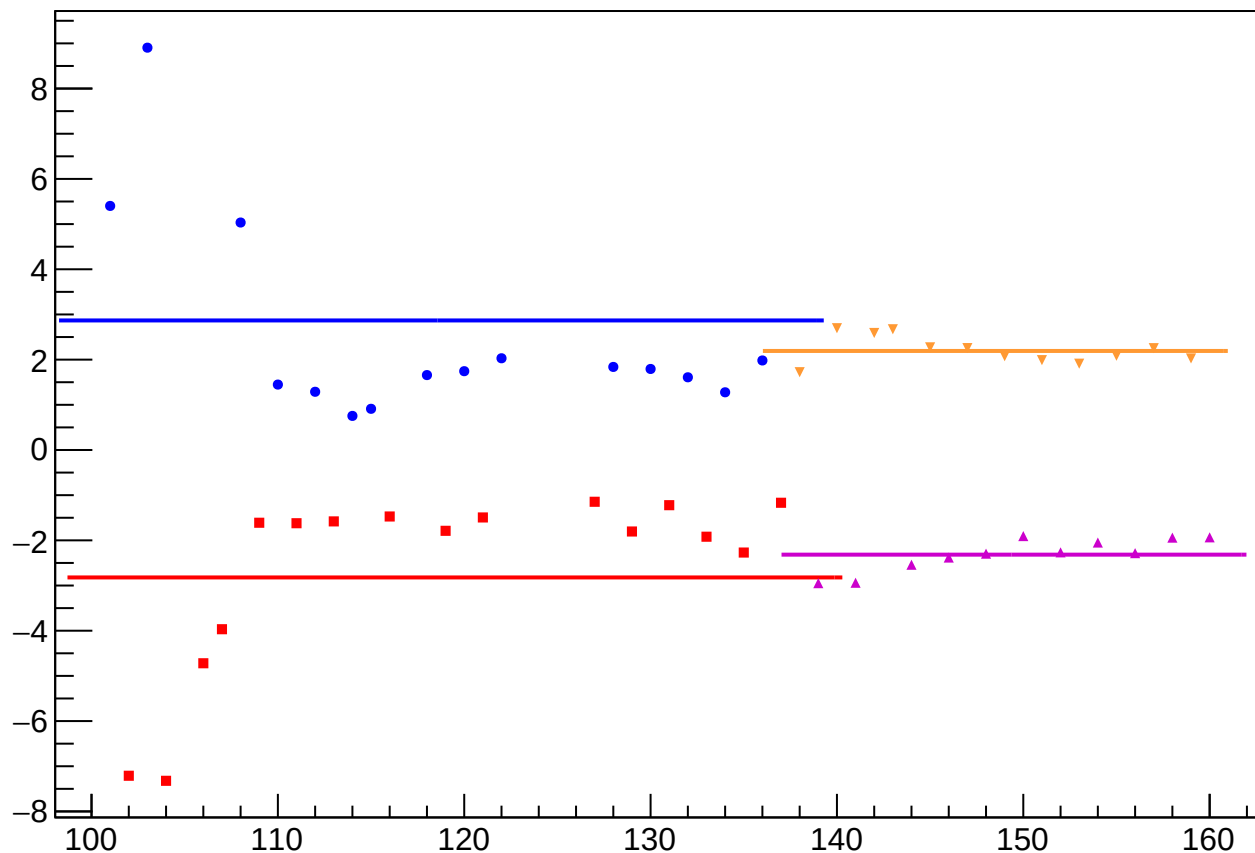
Right: -2.265 $\pm$ 0.000 χ^2 /NDF: 1939933040270060

In: 38.154 $\pm$ 0.000 χ^2 /NDF: 645160855456739365

Out: -36.355 $\pm$ 0.000 χ^2 /NDF: 5572346140178000

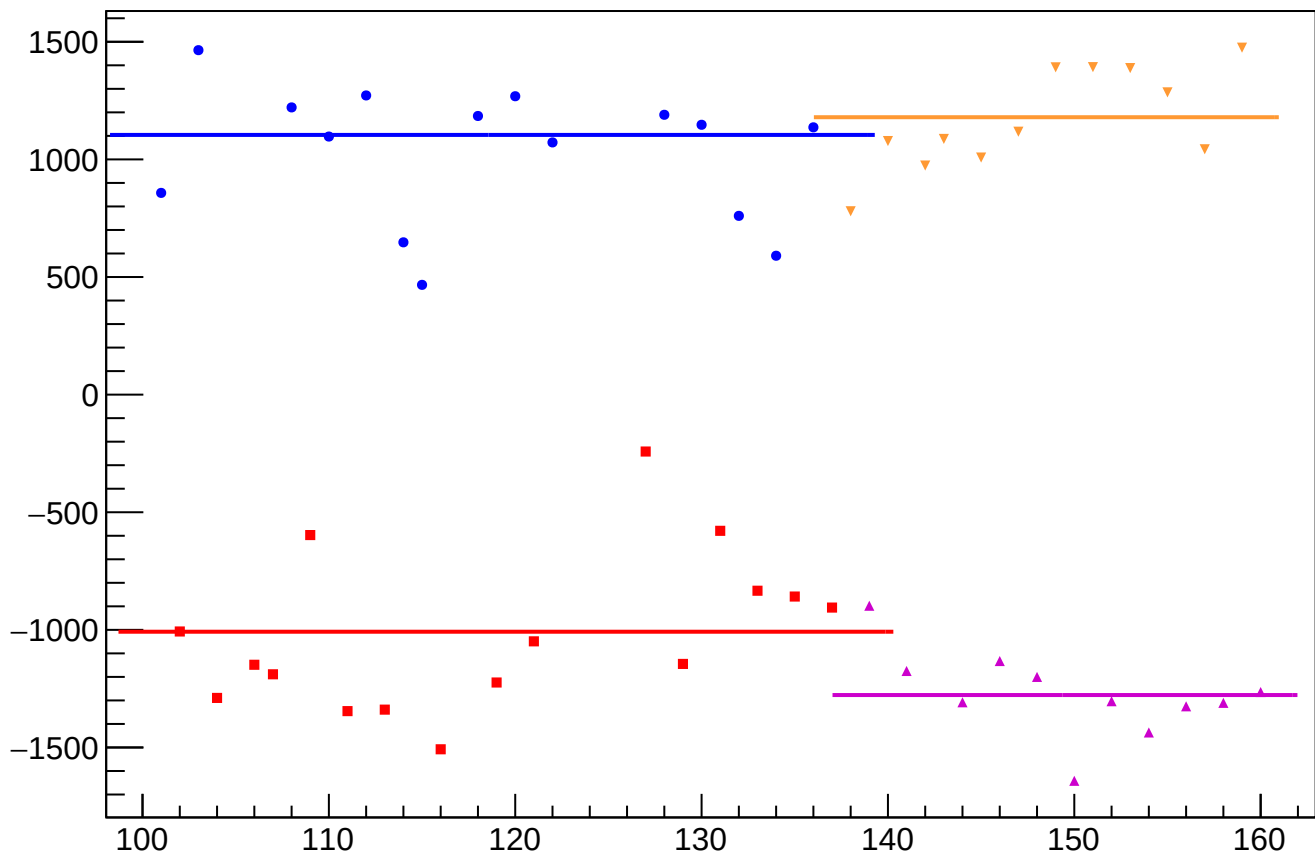
All: 0.805 $\pm$ 0.000 χ^2 /NDF: 16401400360245

dit_4aX_coil3_err_mean vs Slug, Sign Corrected



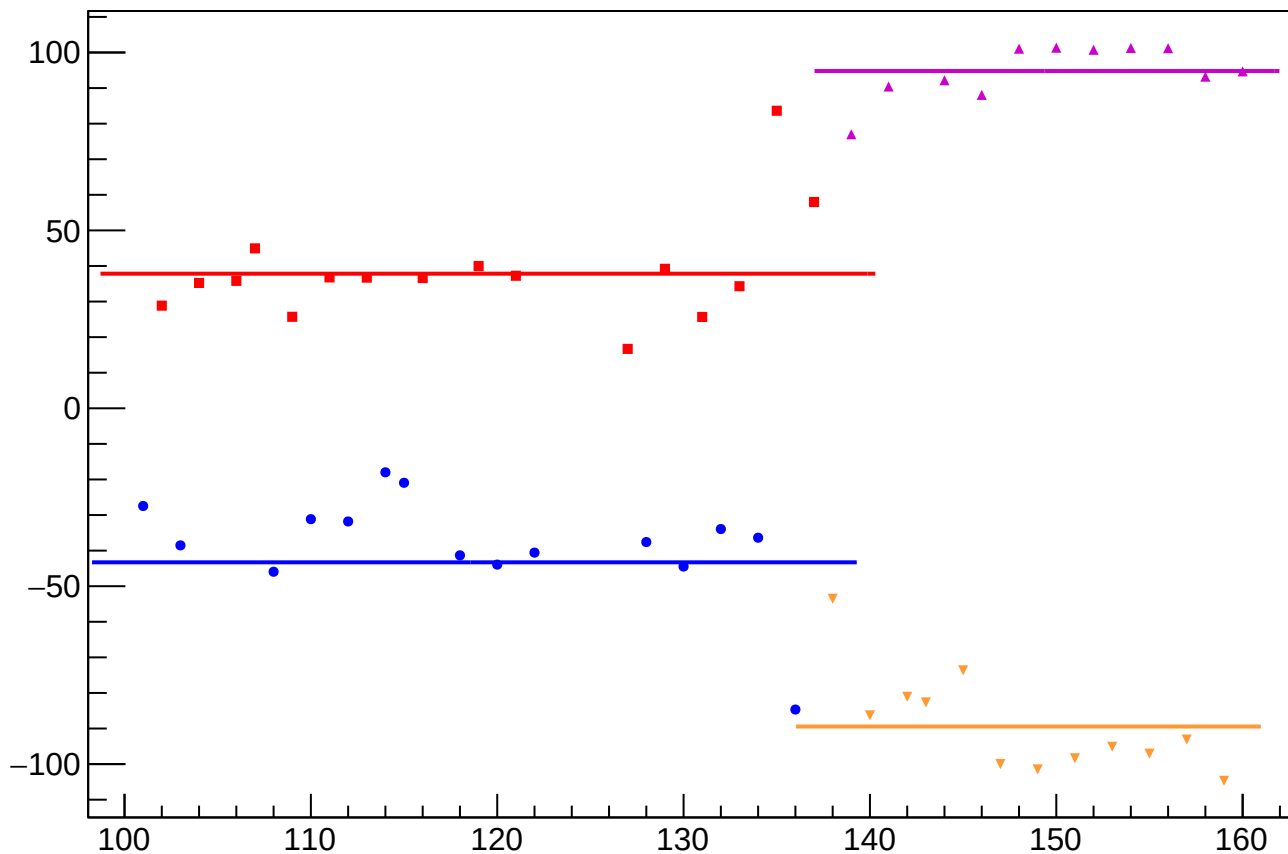
Right In: 2.867 ± 0.000 χ^2/NDF : 3455499087584693564208174061322240.0/14
 Left Out: 2.192 ± 0.000 χ^2/NDF : 76043906789141561084580015898624.0/11
 Right Out: -2.821 ± 0.000 χ^2/NDF : 3052948718107902490497172912472064.0/15
 Left In: -2.317 ± 0.000 χ^2/NDF : 114372564725079889099013285216256.0/10
 All: -0.050 ± 0.000 χ^2/NDF : 2668555650335

dit_4aX_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 ± 0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 ± 0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 ± 0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 ± 0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335 ± 0.000 χ^2/NDF : 441608022845

dit_4eX_coil3_mean vs Slug, Sign Corrected



Right In: -43.289+/-0.000

Left Out: -89.439+/-0.000

Right Out: 37.832+/-0.000

Left In: 94.799+/-0.000

χ^2/NDF : 199342736778845281087197523996573696.0/14

χ^2/NDF : 181119962985690841138788427972476928.0/11

χ^2/NDF : 148683933977204936634636843897323520.0/15

χ^2/NDF : 49077050032611006982156968074936320.0/10

Left: 3.181+/-0.000 χ^2/NDF : 158268282831051271

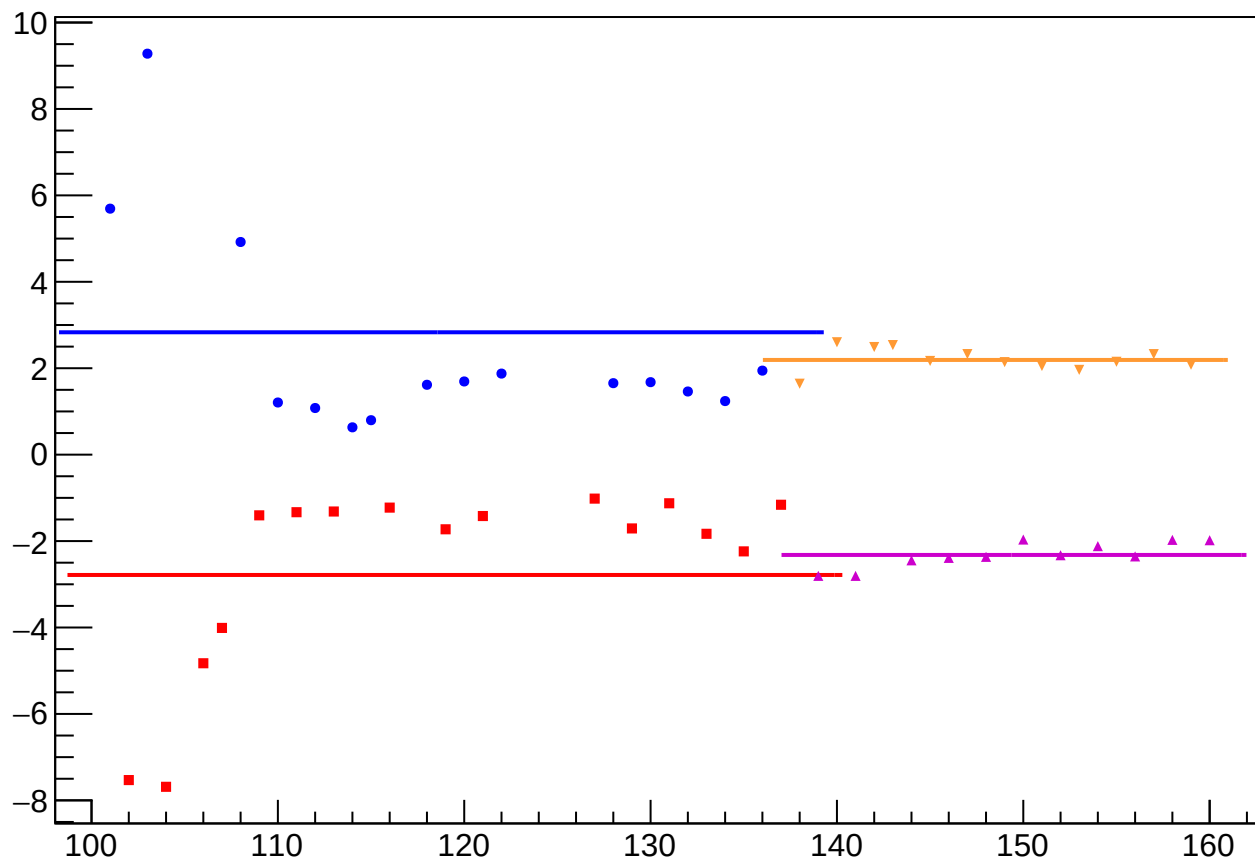
Right: -2.174+/-0.000 χ^2/NDF : 2512687101518028

In: 37.826+/-0.000 χ^2/NDF : 751790372998047563

Out: -35.745+/-0.000 χ^2/NDF : 6575776048743356

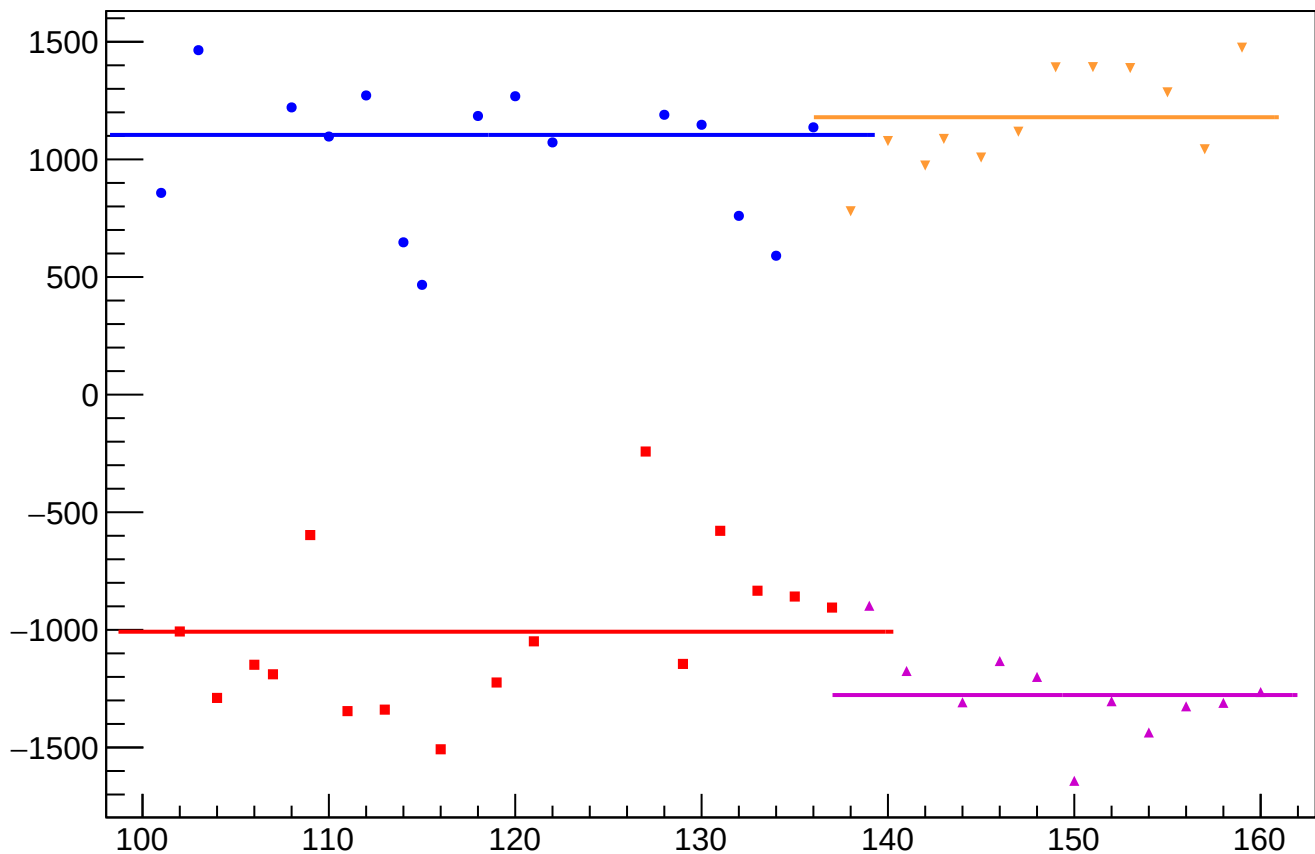
All: 0.947+/-0.000 χ^2/NDF : 18361508182388

dit_4eX_coil3_err_mean vs Slug, Sign Corrected



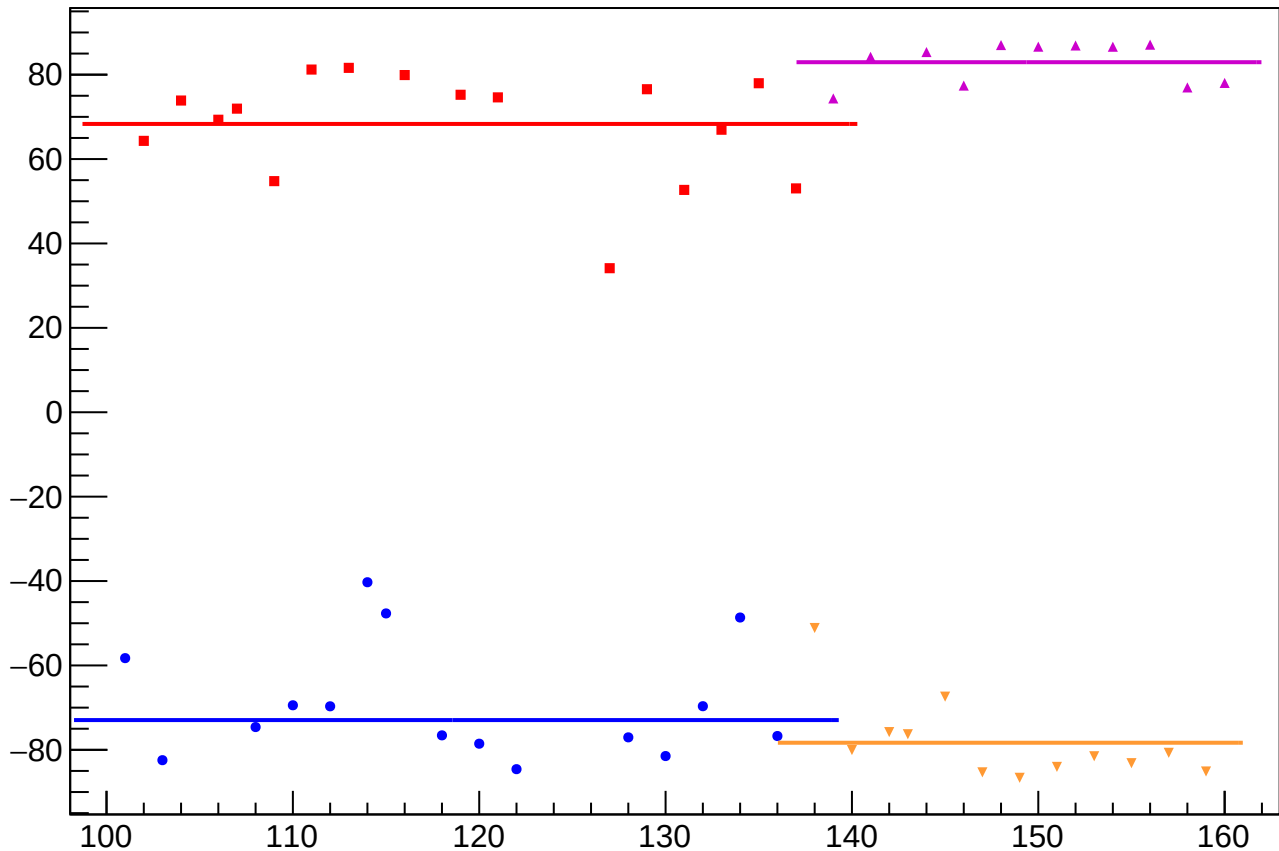
Right In: 2.832 +/- 0.000 χ^2/NDF : 3957672531929017328512564323155968.0/14
 Left Out: 2.192 +/- 0.000 χ^2/NDF : 59601559247415008947816525463552.0/11
 Right Out: -2.784 +/- 0.000 χ^2/NDF : 3589544956108116898091236897849344.0/15
 Left In: -2.321 +/- 0.000 χ^2/NDF : 74619123224616324544404505231360.0/10
 All: -0.051 +/- 0.000 χ^2/NDF : 2741558316748

dit_4eX_coil3_Ndata_mean vs Slug, Sign Corrected



Left: -55.563 ± 0.000 $\chi^2/\text{NDF}: 2840892210996509$
 Right In: 1104.111 ± 0.000 $\chi^2/\text{NDF}: 32737841591587454251521906421545304064.0/14$
 Right: 33.659 ± 0.000 $\chi^2/\text{NDF}: 1569083056347410$
 Left Out: 1179.336 ± 0.000 $\chi^2/\text{NDF}: 38742916032610862911819544133355175936.0/11$
 In: -294.641 ± 0.000 $\chi^2/\text{NDF}: 2223953426306853$
 Right Out: -1007.906 ± 0.000 $\chi^2/\text{NDF}: 69077878009873965622695939627477368832.0/15$
 Out: 256.572 ± 0.000 $\chi^2/\text{NDF}: 1952554182211910$
 Left In: -1277.097 ± 0.000 $\chi^2/\text{NDF}: 29578729901602647998073818936097374208.0/10$
 All: -18.335 ± 0.000 $\chi^2/\text{NDF}: 441608022845$

dit_11X12X_coil3_mean vs Slug, Sign Corrected



Right In: -72.949 $\pm$ 0.000

Left Out: -78.317 $\pm$ 0.000

Right Out: 68.324 $\pm$ 0.000

Left In: 82.954 $\pm$ 0.000

χ^2 /NDF: 65755428464857980306879126291087360.0/14

χ^2 /NDF: 86858932587671188594087415160766464.0/11

χ^2 /NDF: 106694344898202364483367131372584960.0/15

χ^2 /NDF: 20419157774877297849205303170564096.0/10

Left: 2.757 $\pm$ 0.000 χ^2 /NDF: 120577028568665653

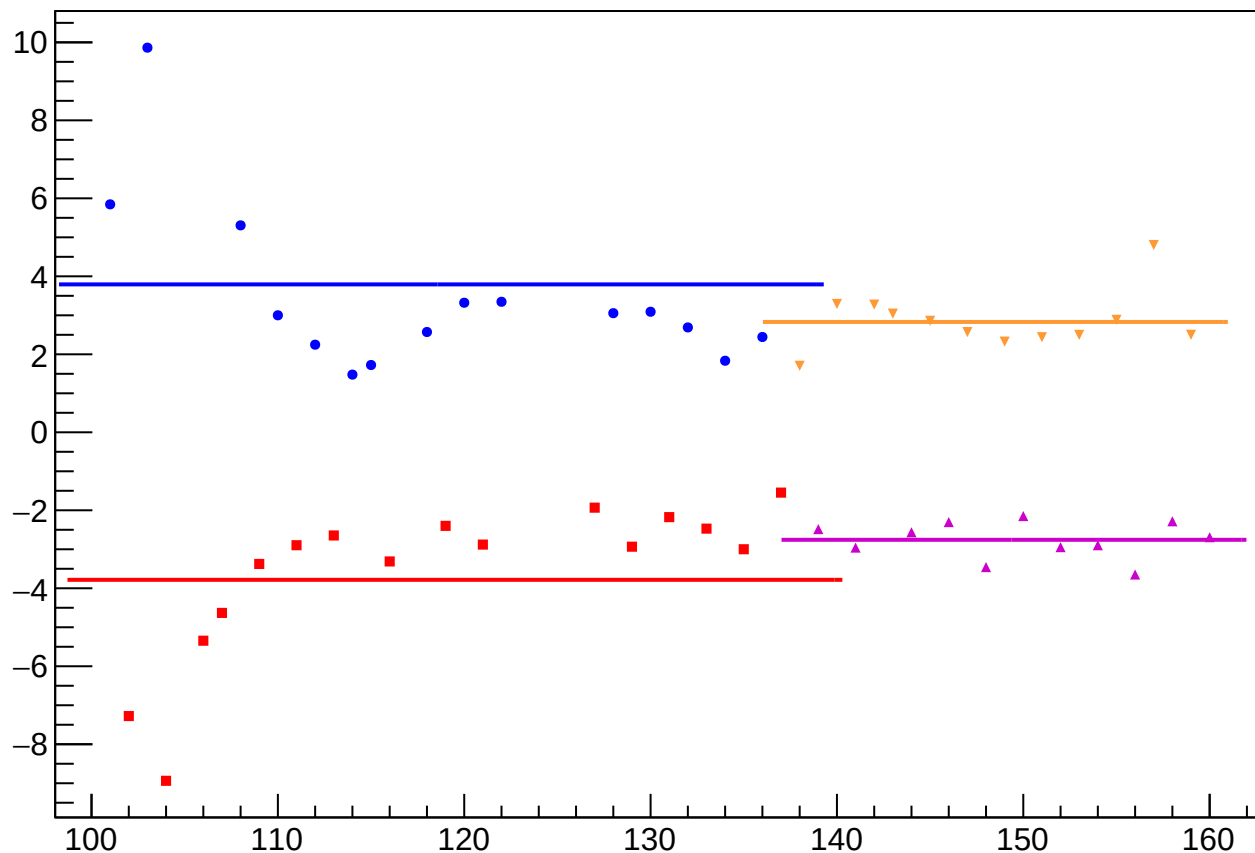
Right: -1.347 $\pm$ 0.000 χ^2 /NDF: 6737392391922205

In: 18.630 $\pm$ 0.000 χ^2 /NDF: 935227547229560147

Out: -16.451 $\pm$ 0.000 χ^2 /NDF: 8485315004637869

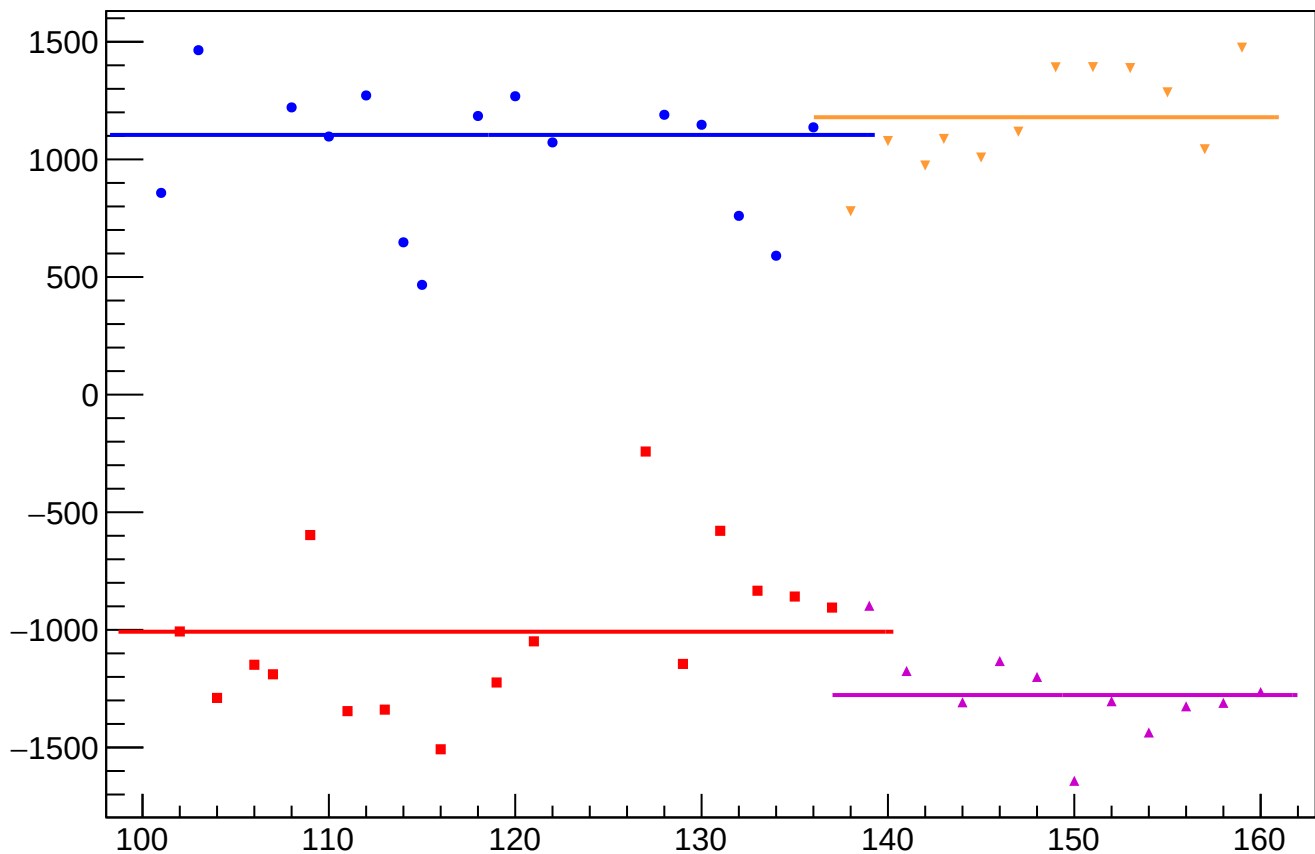
All: 1.045 $\pm$ 0.000 χ^2 /NDF: 18808011568652

dit_11X12X_coil3_err_mean vs Slug, Sign Corrected



Right In: 3.793 ± 0.000 χ^2/NDF : 3205389242726129619796290810413056.0/14
 Left Out: 2.830 ± 0.000 χ^2/NDF : 492749026028838907947829621161984.0/11
 Right Out: -3.783 ± 0.000 χ^2/NDF : 2878586622192676654452338755371008.0/15
 Left In: -2.757 ± 0.000 χ^2/NDF : 191720746547732306226054042746880.0/10
 All: -0.007 ± 0.000 χ^2/NDF : 3999287355304

dit_11X12X_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 ± 0.000

$\chi^2/\text{NDF}: 32737841591587454251521906421545304064.0/14$

Left Out: 1179.336 ± 0.000

$\chi^2/\text{NDF}: 38742916032610862911819544133355175936.0/11$

Right Out: -1007.906 ± 0.000

$\chi^2/\text{NDF}: 69077878009873965622695939627477368832.0/15$

Left In: -1277.097 ± 0.000

$\chi^2/\text{NDF}: 29578729901602647998073818936097374208.0/10$

$\chi^2/\text{NDF}: 2840892210996509$

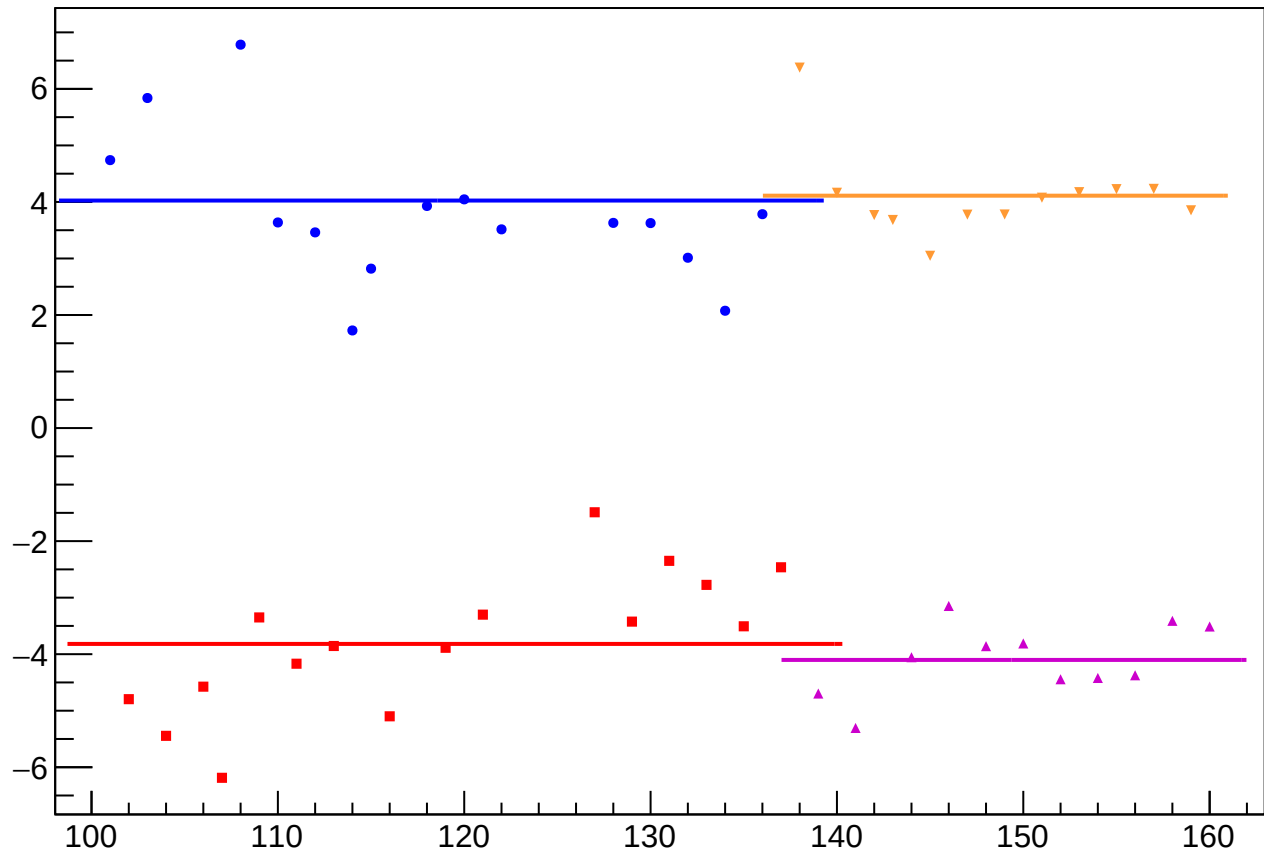
Right: 33.659 ± 0.000 , $\chi^2/\text{NDF}: 1569083056347410$

In: -294.641 ± 0.000 , $\chi^2/\text{NDF}: 2223953426306853$

Out: 256.572 ± 0.000 , $\chi^2/\text{NDF}: 1952554182211910$

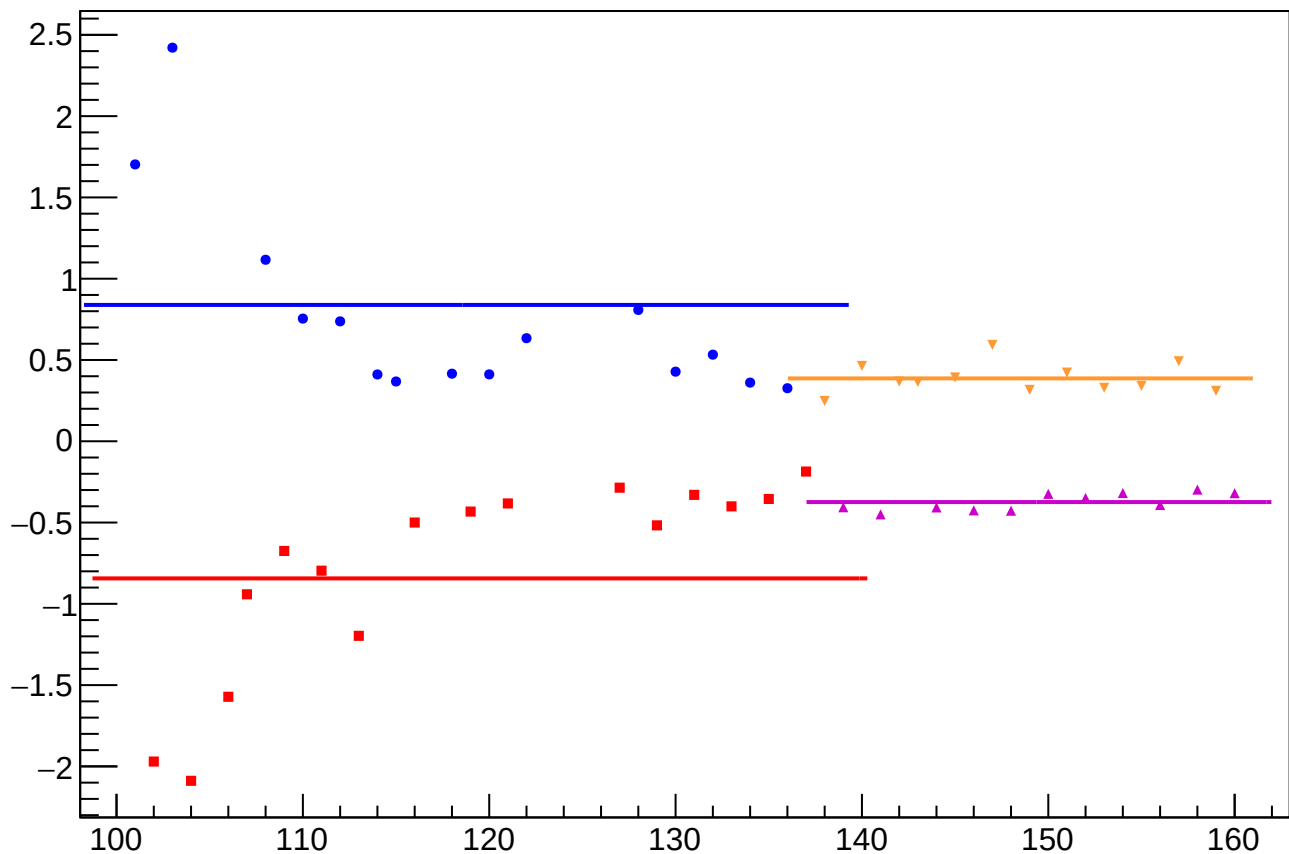
All: -18.335 ± 0.000 , $\chi^2/\text{NDF}: 441608022845$

dit_4aY_coil3_mean vs Slug, Sign Corrected



Right In: 4.025+/-0.000 χ^2/NDF : 769001650442321928129473832550400.0/14
 Left Out: 4.111+/-0.000 χ^2/NDF : 532620096510613693690902891986944.0/11
 Right Out: -3.819+/-0.000 χ^2/NDF : 888232240226434329114859171479552.0/15
 Left In: -4.102+/-0.000 χ^2/NDF : 329978343606173709019066465779712.0/10
 All: 0.010+/-0.000 χ^2/NDF : 53749829914354

dit_4aY_coil3_err_mean vs Slug, Sign Corrected



Right In: 0.839+/-0.000

χ^2/NDF : 258416025334615661521163083841536.0/14

Left Out: 0.387+/-0.000

χ^2/NDF : 7656532010606705303389852401664.0/11

Right Out: -0.844+/-0.000

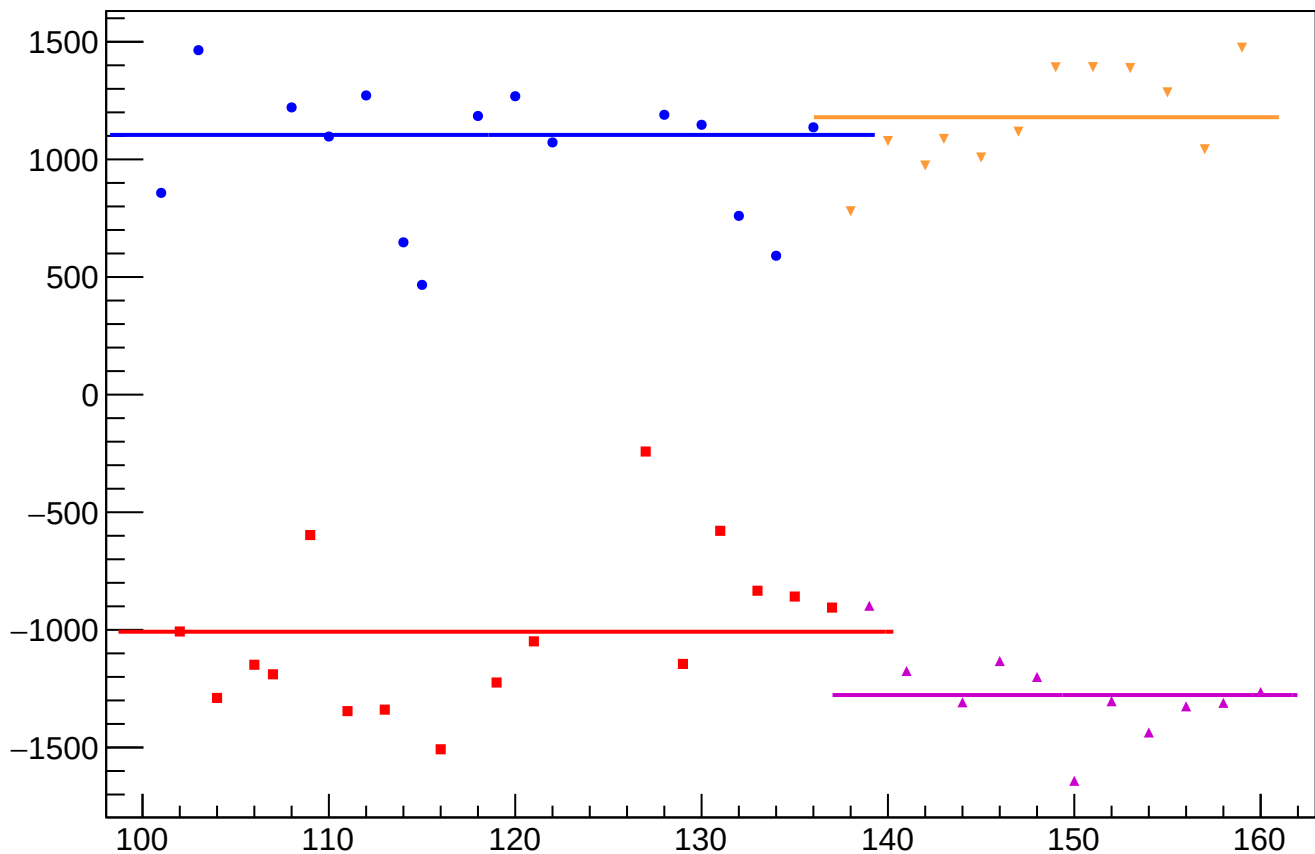
χ^2/NDF : 252917509393432760240648918925312.0/15

Left In: -0.374+/-0.000

χ^2/NDF : 2408191855928929204652403064832.0/10

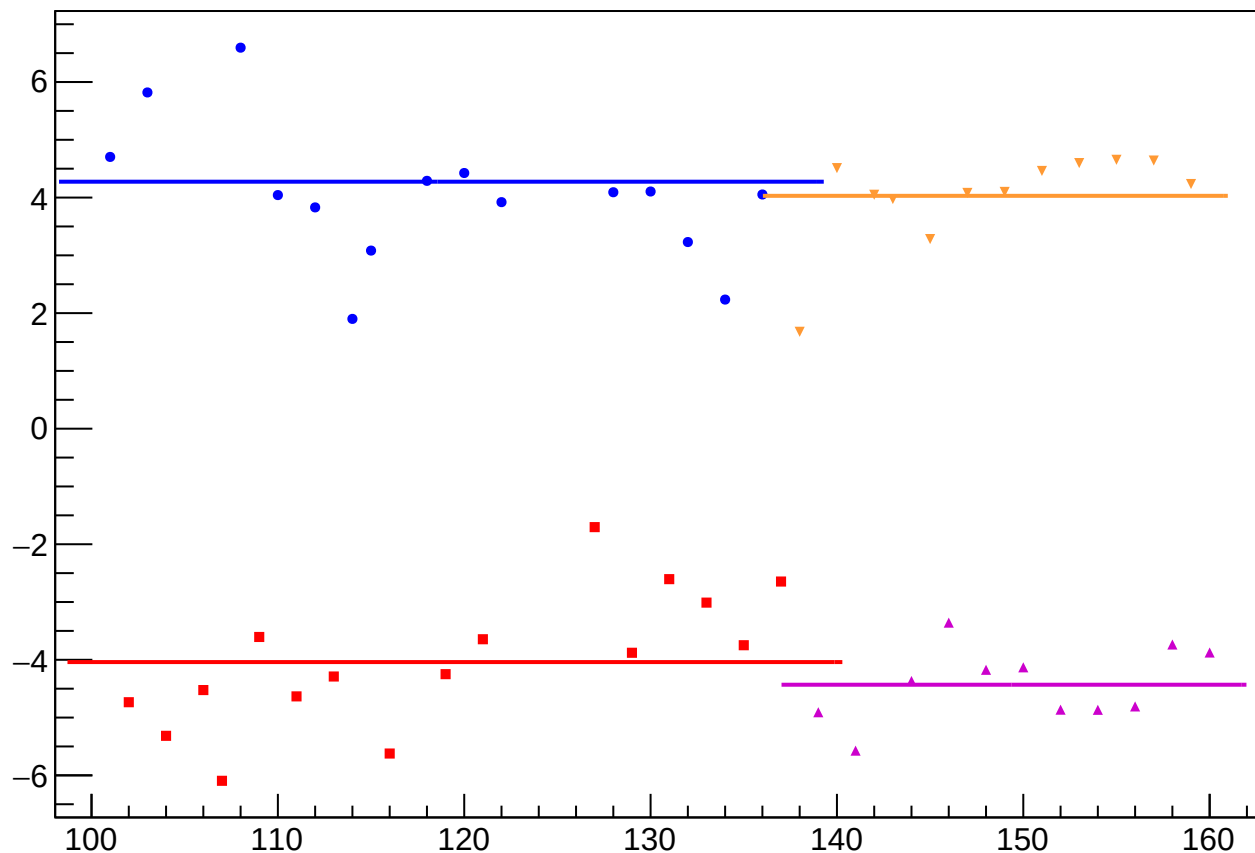
All: -0.003+/-0.000 χ^2/NDF : 1718408465884

dit_4aY_coil3_Ndata_mean vs Slug, Sign Corrected



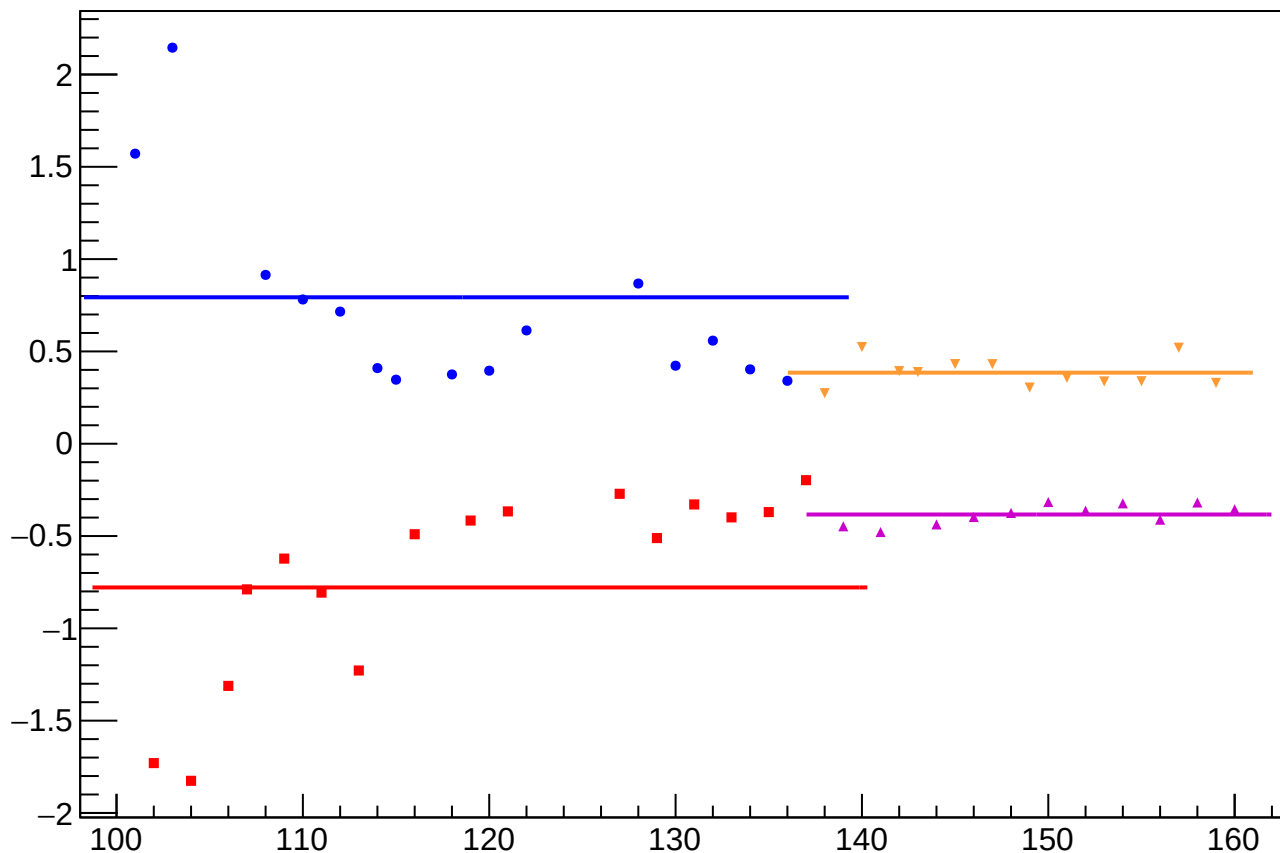
Right In: 1104.111 ± 0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 ± 0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 ± 0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 ± 0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335 ± 0.000 χ^2/NDF : 441608022845

dit_4eY_coil3_mean vs Slug, Sign Corrected



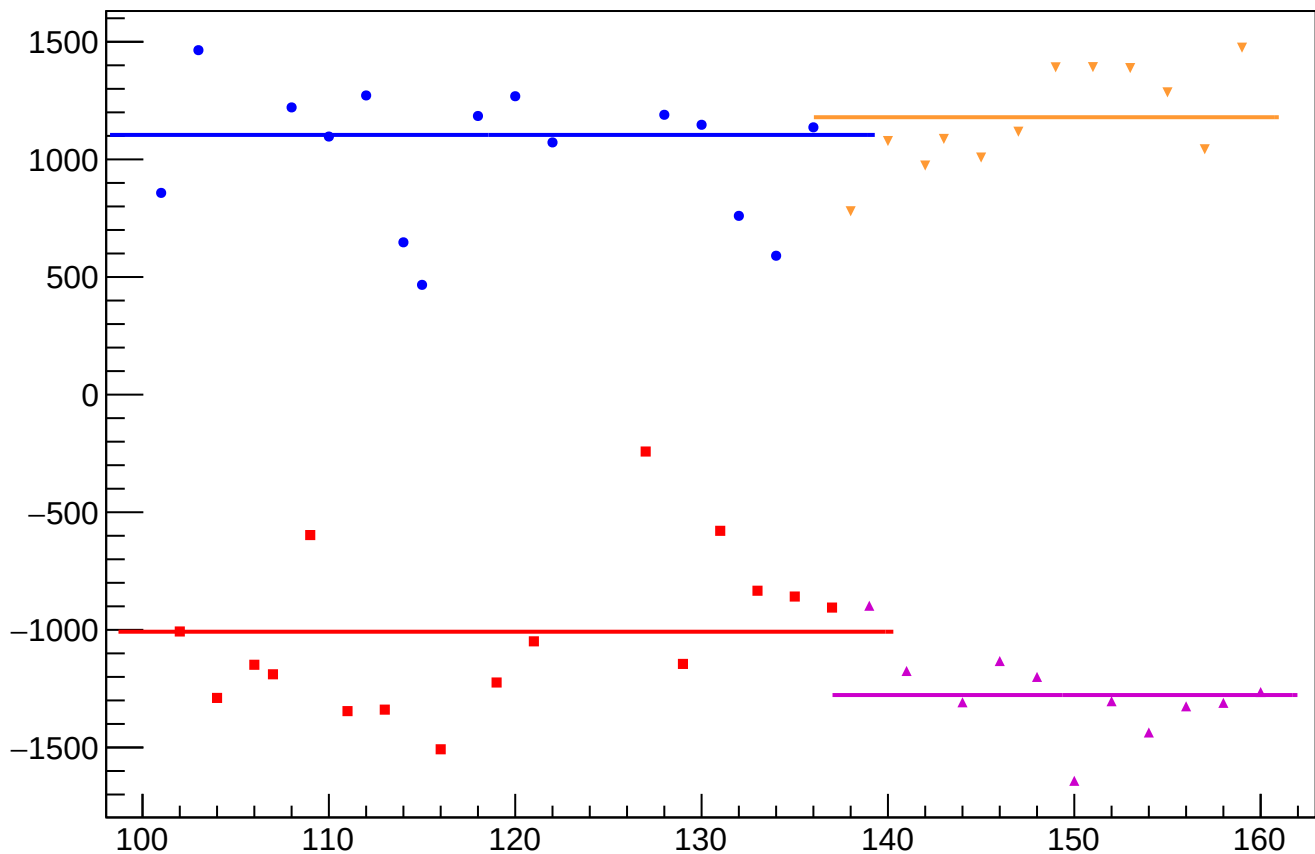
Right In: 4.275 ± 0.000 $\chi^2/\text{NDF}: 597188707898198851792415435522048.0/14$
 Left Out: 4.030 ± 0.000 $\chi^2/\text{NDF}: 600797720921367466879695481470976.0/11$
 Right Out: -4.039 ± 0.000 $\chi^2/\text{NDF}: 772368848194464324973108765130752.0/15$
 Left In: -4.432 ± 0.000 $\chi^2/\text{NDF}: 345602703191245770554210363899904.0/10$
 All: -0.105 ± 0.000 $\chi^2/\text{NDF}: 5801697378090$

dit_4eY_coil3_err_mean vs Slug, Sign Corrected



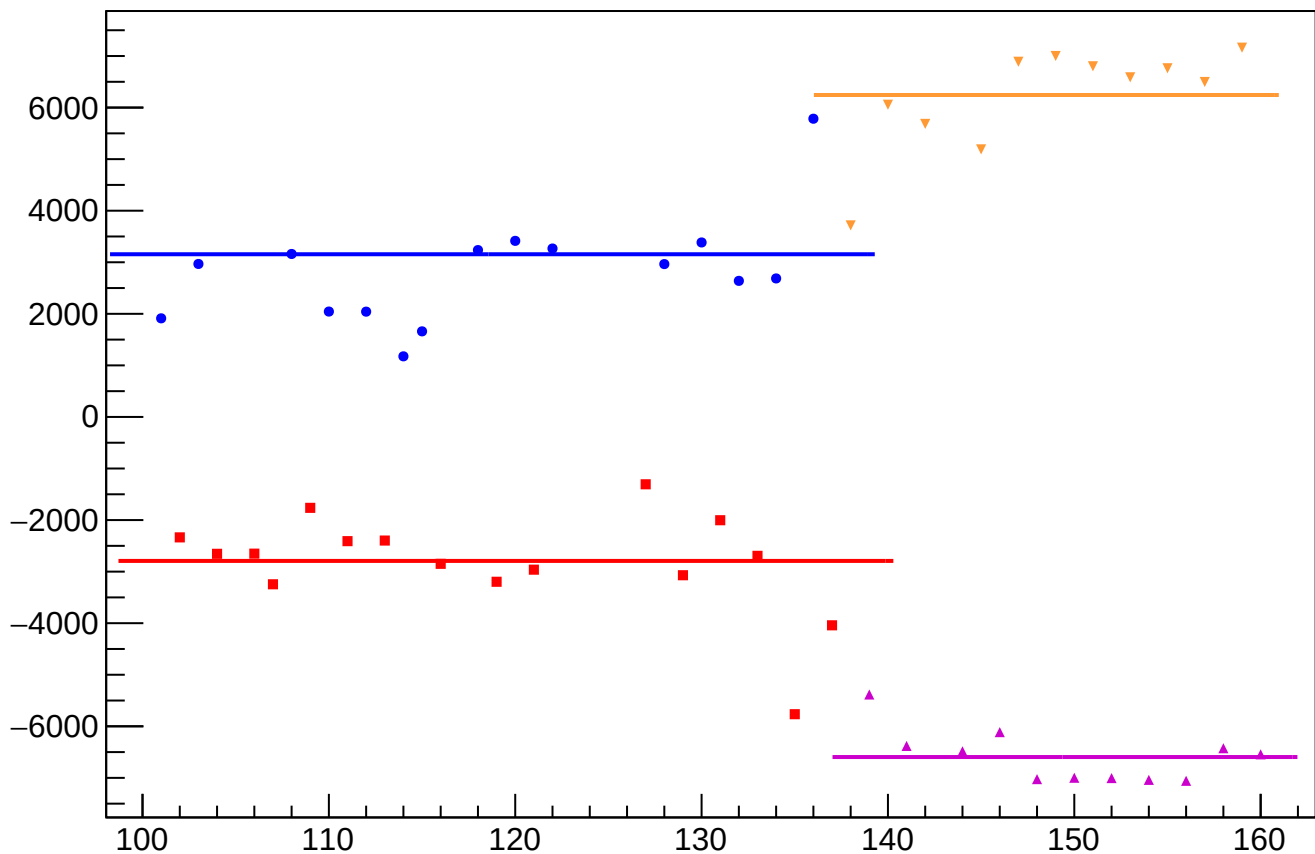
Right In: 0.793 ± 0.000 $\chi^2/\text{NDF}: 195508777173589483440314700005376.0/14$
 Left Out: 0.385 ± 0.000 $\chi^2/\text{NDF}: 5547784180240414411423653822464.0/11$
 Right Out: -0.778 ± 0.000 $\chi^2/\text{NDF}: 185814635772183306063903690063872.0/15$
 Left In: -0.383 ± 0.000 $\chi^2/\text{NDF}: 2618375268437967875049691021312.0/10$
 All: -0.002 ± 0.000 $\chi^2/\text{NDF}: 14732399161420.0/14$

dit_4eY_coil3_Ndata_mean vs Slug, Sign Corrected



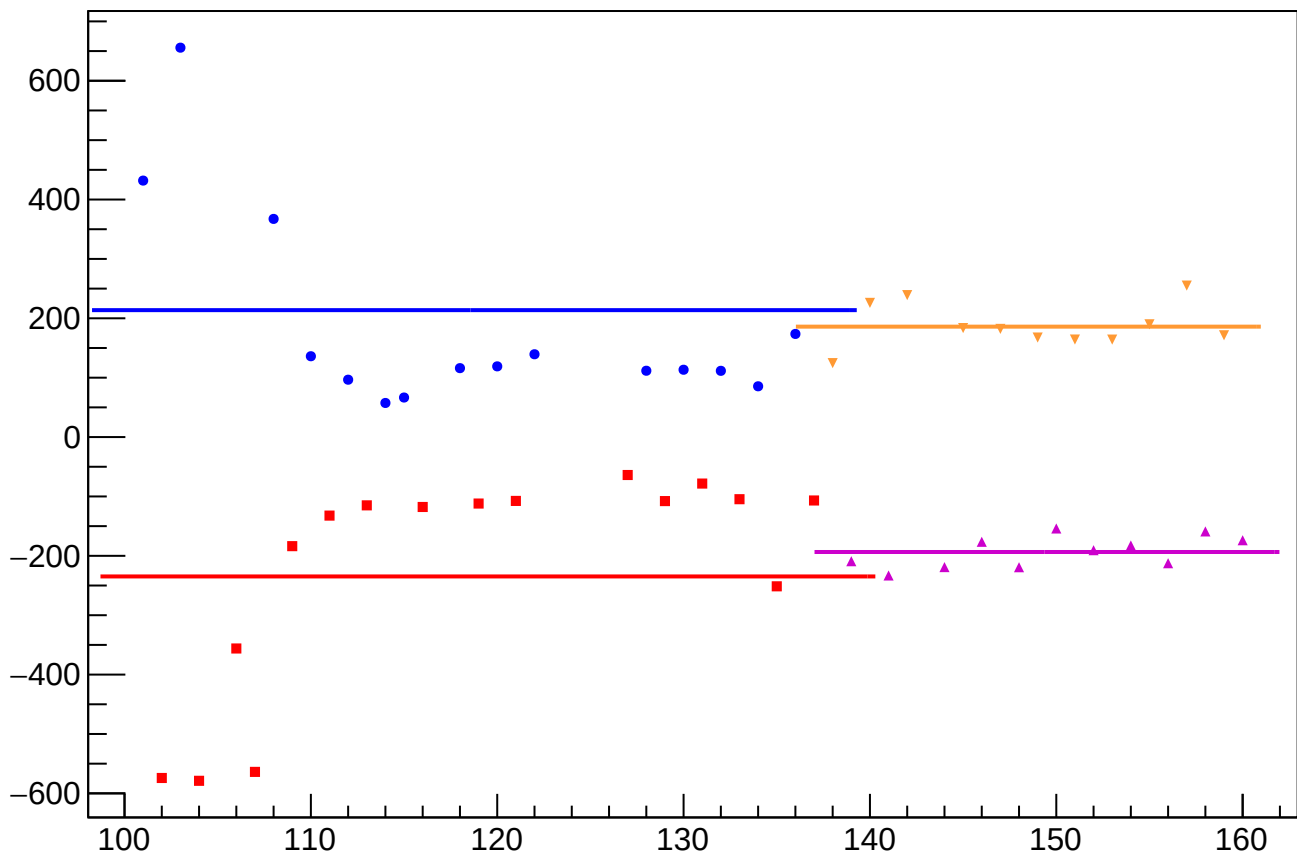
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_usl_coil3_mean vs Slug, Sign Corrected



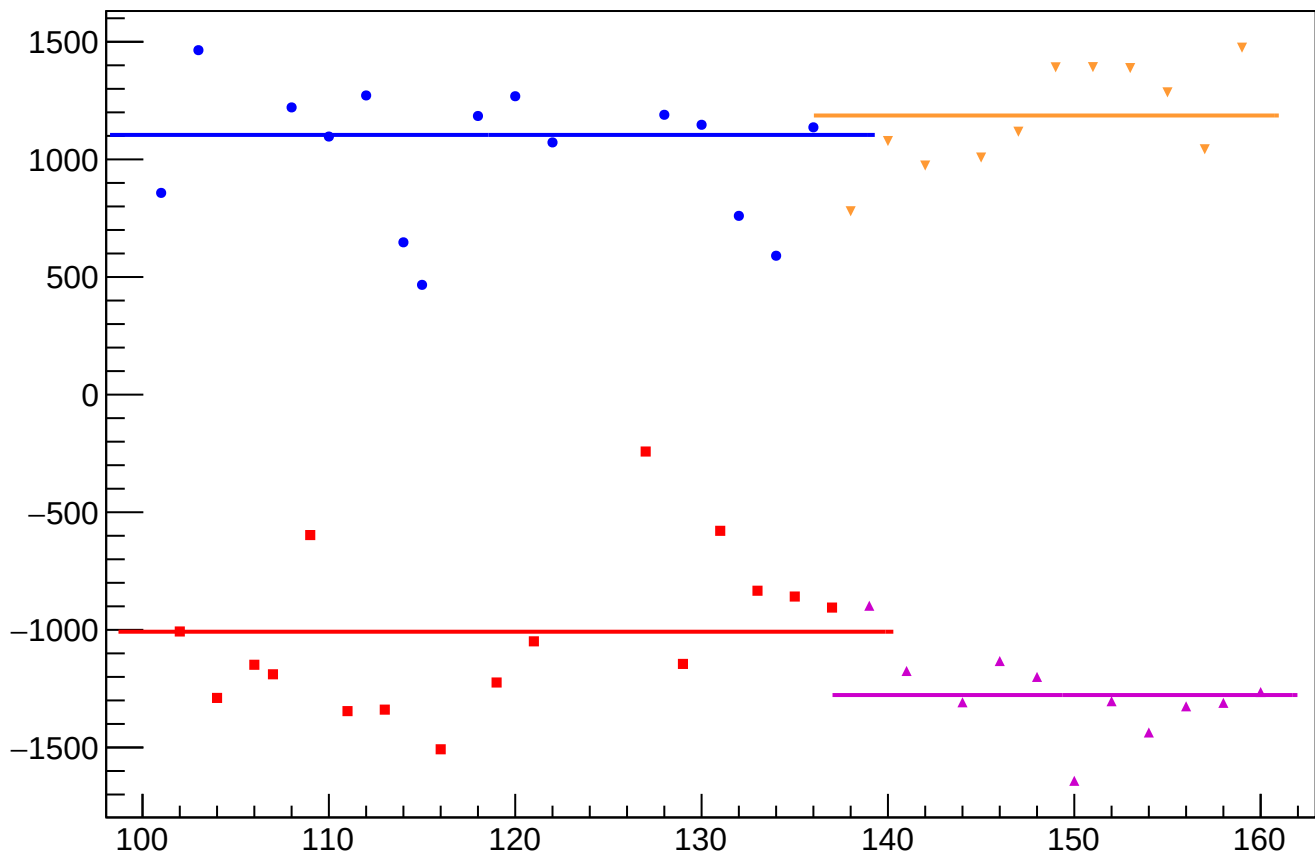
Right In: 3155.434+/-0.000 χ^2/NDF : 903550534773622902110918214033612996608.0/14
 Left Out: 6243.976+/-0.000 χ^2/NDF : 811230786168378302780139165688711348224.0/10
 Right Out: -2792.245+/-0.000 χ^2/NDF : 674635749324173001973264427530986717184.0/15
 Left In: -6595.861+/-0.000 χ^2/NDF : 225164805715400368671043826745864093696.0/10
 All: -200.997+/-0.000 χ^2/NDF : 87373315799

dit_usl_coil3_err_mean vs Slug, Sign Corrected



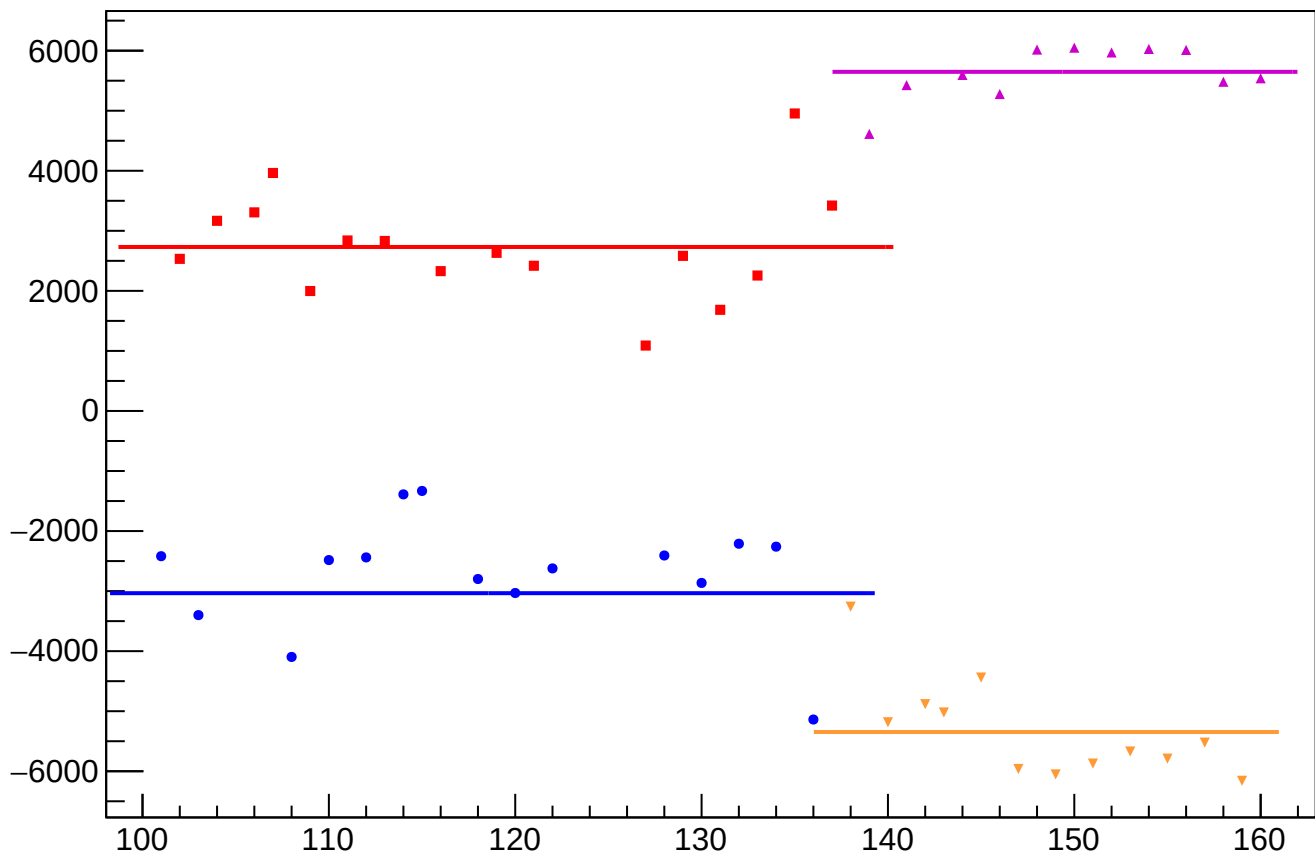
Right In: 213.739+/-0.000 χ^2/NDF : 19718138109054002114361149860507287552.0/14
 Left Out: 185.948+/-0.000 χ^2/NDF : 1057706607595767583587974846640816128.0/10
 Right Out: -234.712+/-0.000 χ^2/NDF : 24013134107167214895189050481067425792.0/15
 Left In: -193.543+/-0.000 χ^2/NDF : 598931150644293332680217057881489408.0/10
 All: -12.690+/-0.000 χ^2/NDF : 175183232937

dit_usl_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000	χ^2/NDF : 32737841591587454251521906421545304064.0/14	Left: -98.791+/-0.000	χ^2/NDF : 2750108583859337
Left Out: 1186.635+/-0.000	χ^2/NDF : 38127290182419373090636614603236179968.0/10	Right: 33.659+/-0.000	χ^2/NDF : 1569083056347410
Right Out: -1007.906+/-0.000	χ^2/NDF : 69077878009873965622695939627477368832.0/15	In: -294.641+/-0.000	χ^2/NDF : 2223953426306853
Left In: -1277.097+/-0.000	χ^2/NDF : 29578729901602647998073818936097374208.0/10	Out: 219.820+/-0.000	χ^2/NDF : 1904298614644718
	All: -42.327+/-0.000		χ^2/NDF : 433243619432

dit_usr_coil3_mean vs Slug, Sign Corrected



Right In: -3034.527+/-0.000

Left Out: -5346.287+/-0.000

Right Out: 2731.035+/-0.000

Left In: 5647.632+/-0.000

χ^2/NDF : 630694553353463868547335175090919702528.0/14

χ^2/NDF : 595830455774800553383002095782337708032.0/11

χ^2/NDF : 528290847703567991555694629239211950080.0/15

χ^2/NDF : 164214312908035645215126356935491715072.0/10

Left: 180.580+/-0.000 χ^2/NDF : 5629644567862069

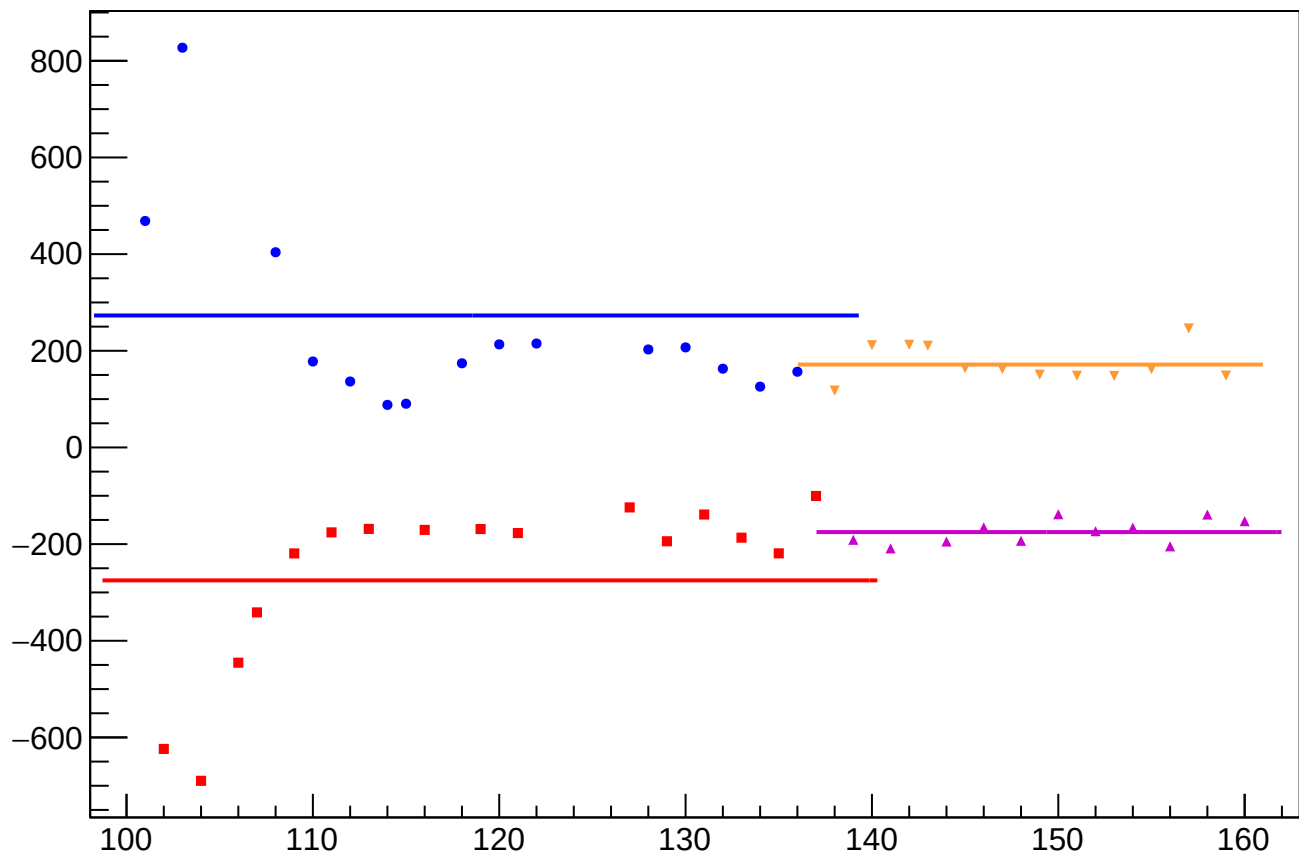
Right: -112.316+/-0.000 χ^2/NDF : 12093460154256

In: 2065.482+/-0.000 χ^2/NDF : 2953204271382502

Out: -1938.587+/-0.000 χ^2/NDF : 26282051967126

All: 58.370+/-0.000 χ^2/NDF : 6845569684778

dit_usr_coil3_err_mean vs Slug, Sign Corrected



Right In: 273.039+/-0.000

χ^2/NDF : 26485935053341175092913795212184125440.0/14

Left Out: 171.517+/-0.000

χ^2/NDF : 1162204446124418452265763444206075904.0/11

Right Out: -275.044+/-0.000

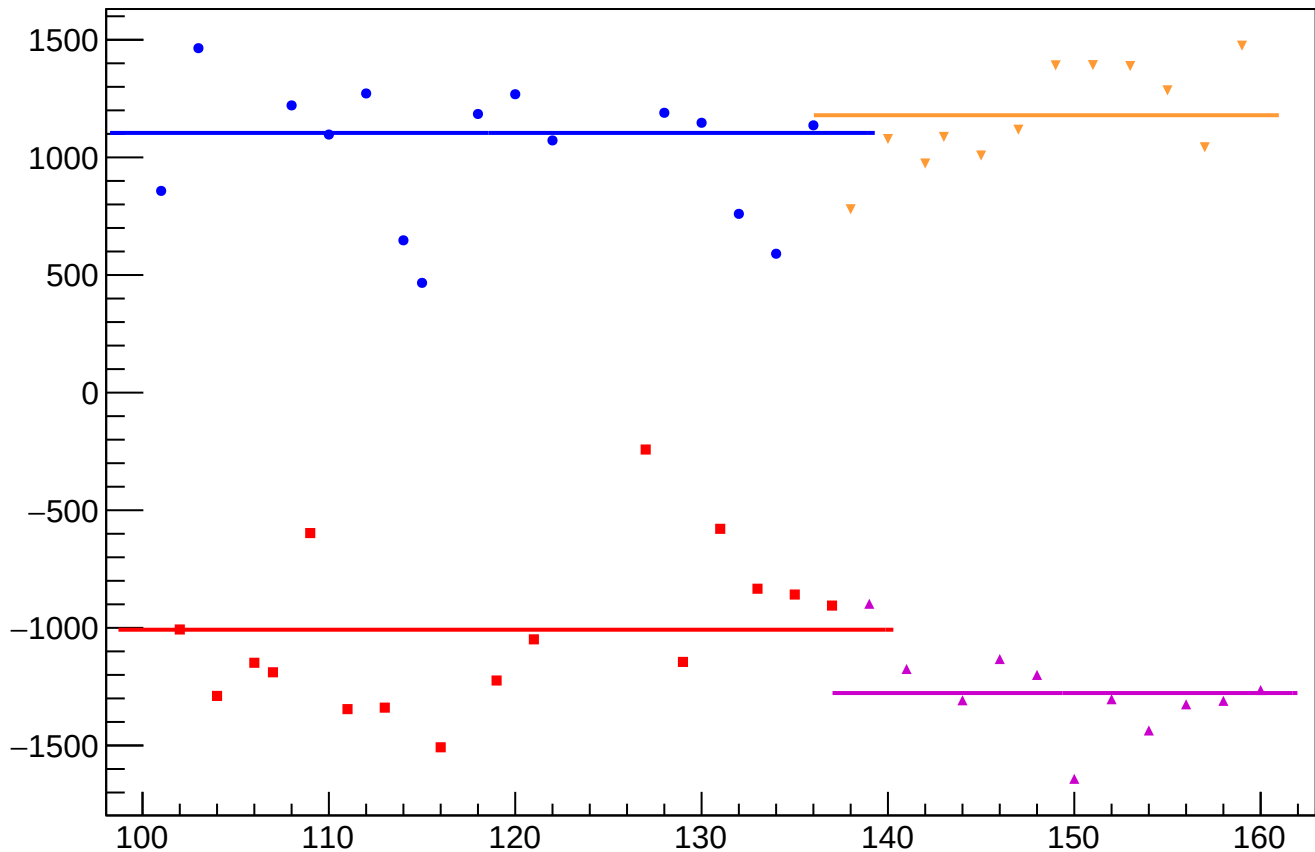
χ^2/NDF : 22264760088752901792561892991657050112.0/15

Left In: -175.100+/-0.000

χ^2/NDF : 532319905760316522814470909096624128.0/10

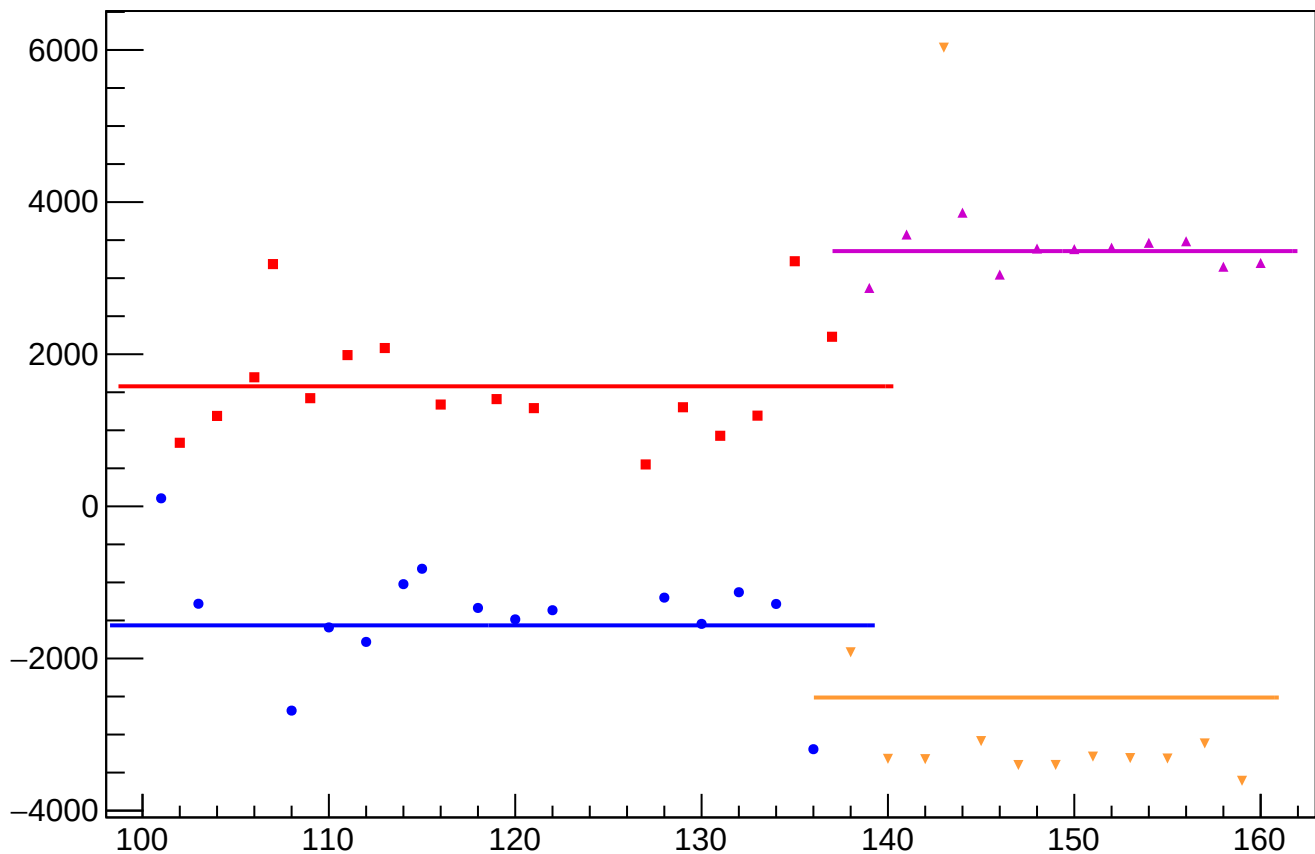
All: -3.576+/-0.000 χ^2/NDF : 2044639421545

dit_usr_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_atl1_coil3_mean vs Slug, Sign Corrected



Right In: -1564.595+/-0.000

Left Out: -2513.182+/-0.000

Right Out: 1578.178+/-0.000

Left In: 3355.712+/-0.000

χ^2/NDF : 483874800978571042578975757029039144960.0/14

χ^2/NDF : 5431127813565364988673729418683400323072.0/11

χ^2/NDF : 368450572556217564071963203581098590208.0/15

χ^2/NDF : 61603128430044333980990125877093203968.0/10

Left: 437.231+/-0.000 χ^2/NDF : 2131924326486959

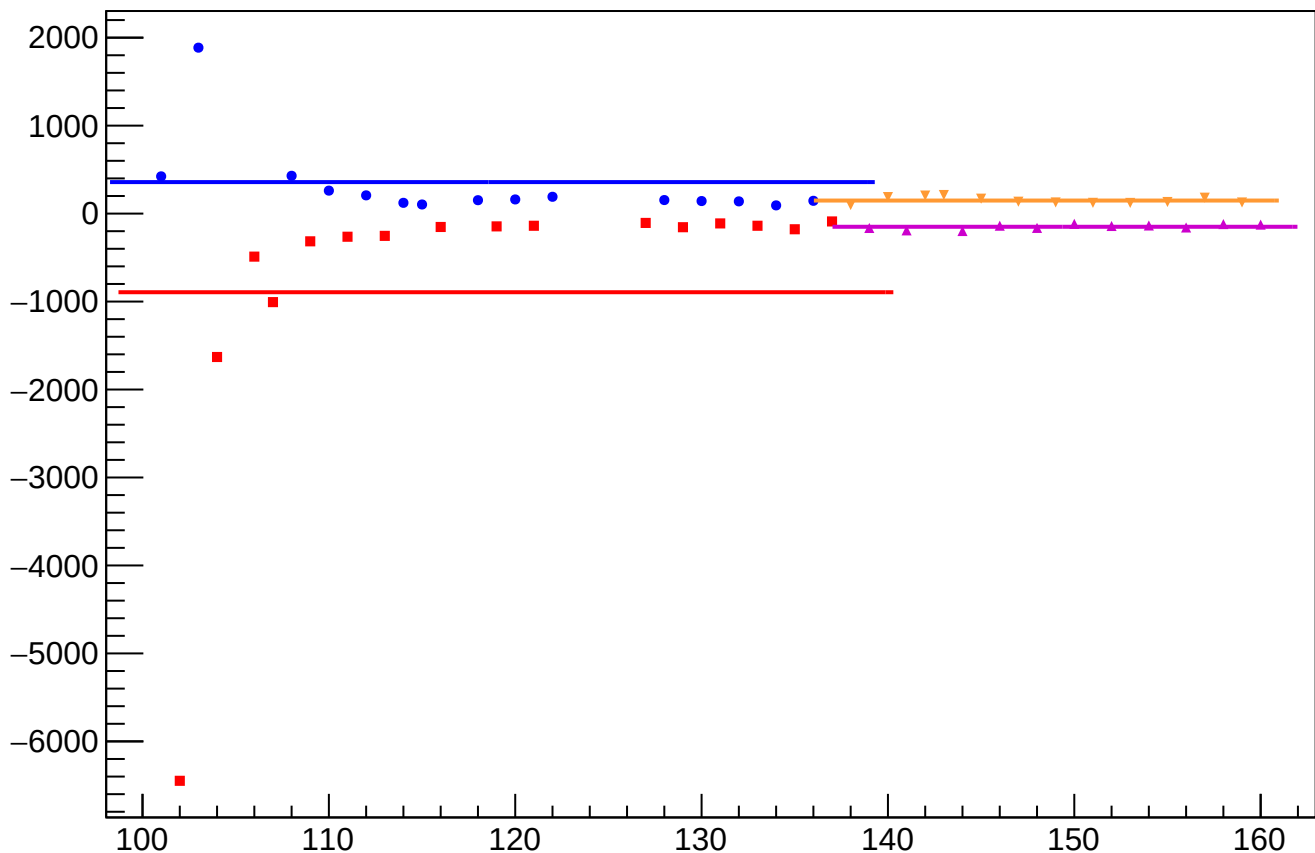
Right: 28.285+/-0.000 χ^2/NDF : 4101258280925694

In: 1325.655+/-0.000 χ^2/NDF : 9774855555761575

Out: -787.099+/-0.000 χ^2/NDF : 122542710245159

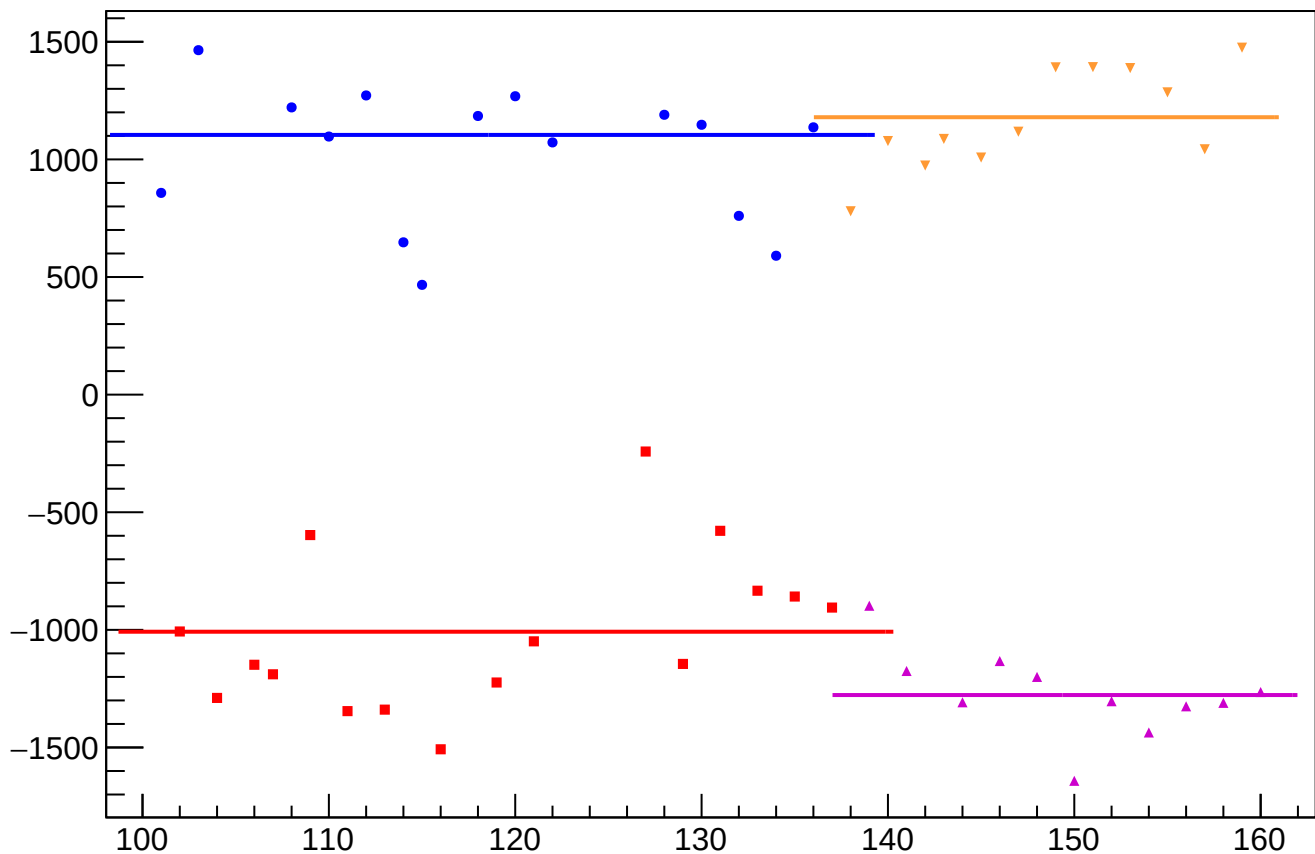
All: 266.599+/-0.000 χ^2/NDF : 255487557311

dit_atl1_coil3_err_mean vs Slug, Sign Corrected



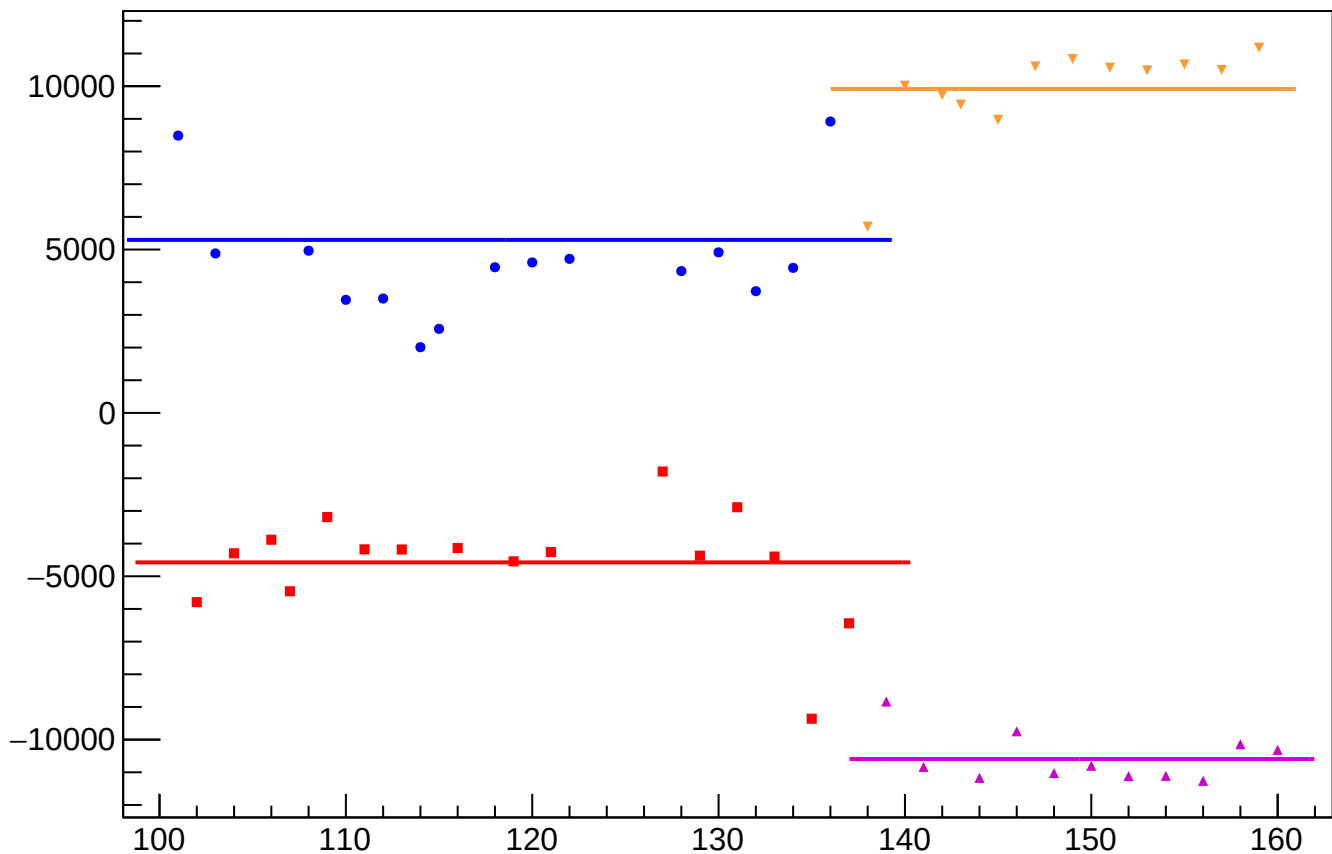
Right In: 358.080 ± 0.000 $\chi^2/\text{NDF}: 157922789145697858165644452090202816512.0/14$
 Left Out: 148.359 ± 0.000 $\chi^2/\text{NDF}: 1090286331733366082581256970807803904.0/11$
 Right Out: -893.897 ± 0.000 $\chi^2/\text{NDF}: 2075920155774201043572695656797803905024.0/15$
 Left In: -149.829 ± 0.000 $\chi^2/\text{NDF}: 645756718172892804384604635004928000.0/10$
 All: -116.258 ± 0.000 $\chi^2/\text{NDF}: 28499930865$

dit_atl1_coil3_Ndata_mean vs Slug, Sign Corrected



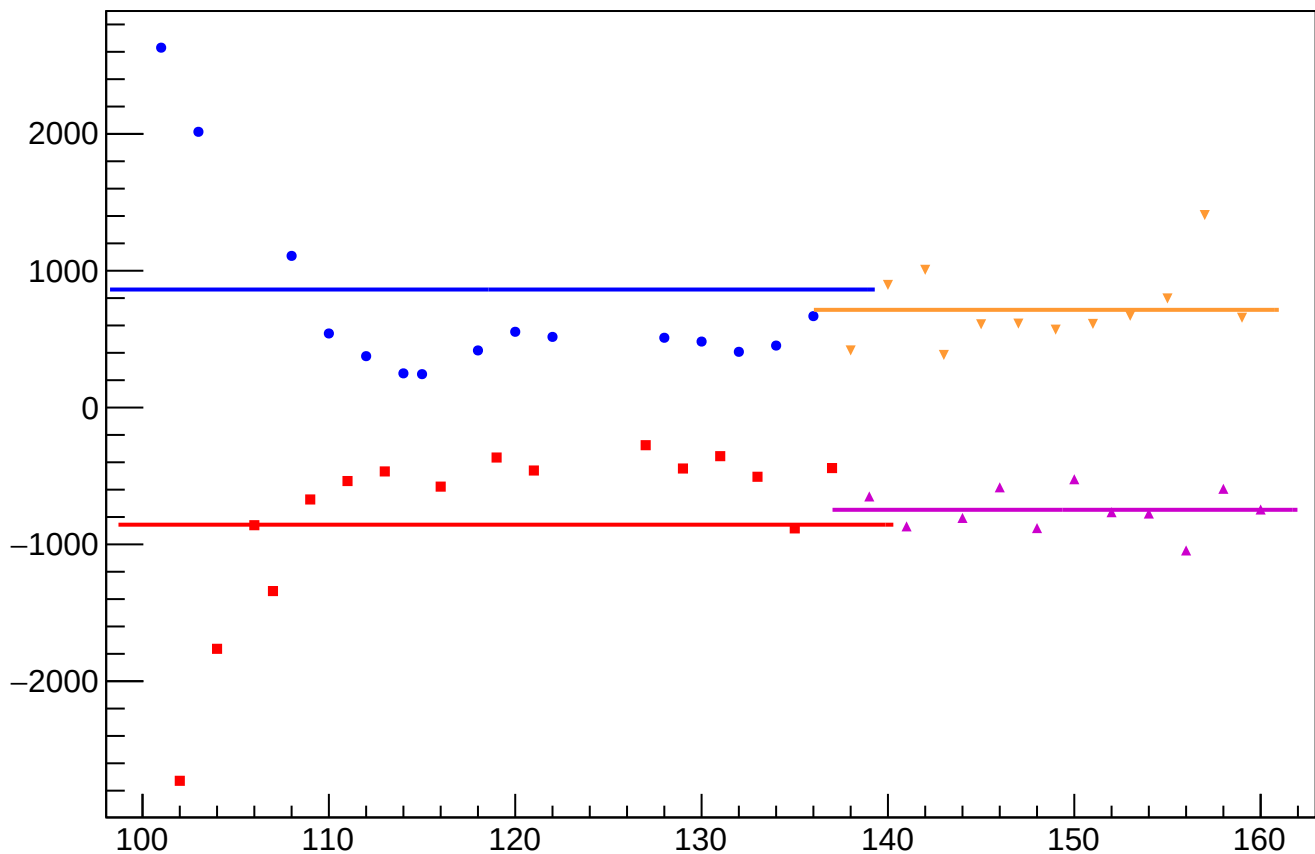
Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_atl2_coil3_mean vs Slug, Sign Corrected



Right In: 5295.485+/-0.000 χ^2/NDF : 2505645232968263275444048016093183213568.0/14
 Left Out: 9916.420+/-0.000 χ^2/NDF : 1840714392757174837254481771479116546048.0/11
 Right Out: -4575.270+/-0.000 χ^2/NDF : 1863322094770403739096100800072716910592.0/15
 Left In: -10594.095+/-0.000 χ^2/NDF : 469955671378487676963254464485150162944.0/10
 All: -107.886+/-0.000 χ^2/NDF : 23238819396

dit_atl2_coil3_err_mean vs Slug, Sign Corrected



Right In: 862.683+/-0.000

χ^2/NDF : 337684000863819315026459106525759668224.0/14

Left Out: 714.221+/-0.000

χ^2/NDF : 63936823657083124140922251637065515008.0/11

Right Out: -856.059+/-0.000

χ^2/NDF : 327195216546444767148716224688288694272.0/15

Left In: -747.275+/-0.000

χ^2/NDF : 19678847395727730098310642242030665728.0/10

Left: -20.503+/-0.000 χ^2/NDF : 1065064961511877

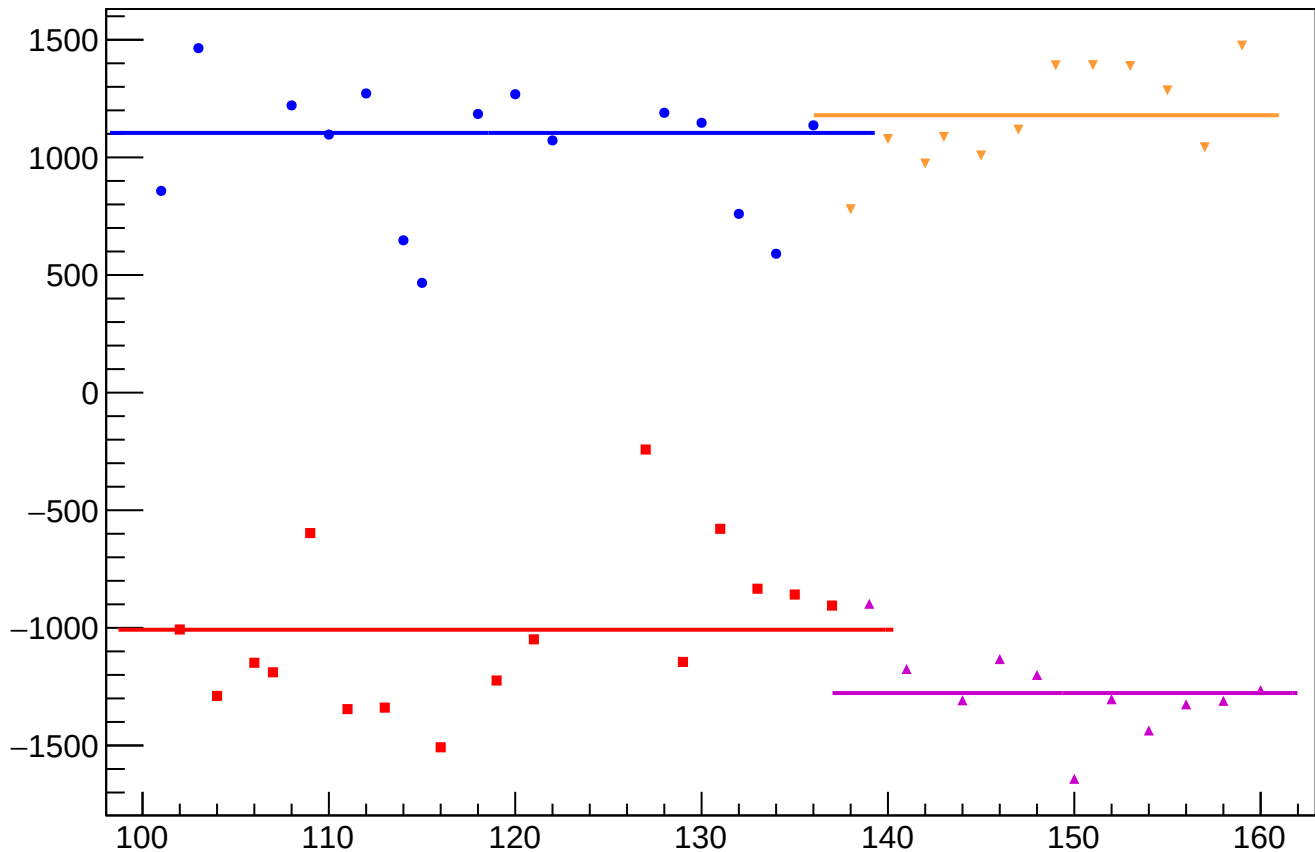
Right: -8.442+/-0.000 χ^2/NDF : 1636587396882894

In: -83.027+/-0.000 χ^2/NDF : 13454995318402178

Out: 51.744+/-0.000 χ^2/NDF : 13419429235658595

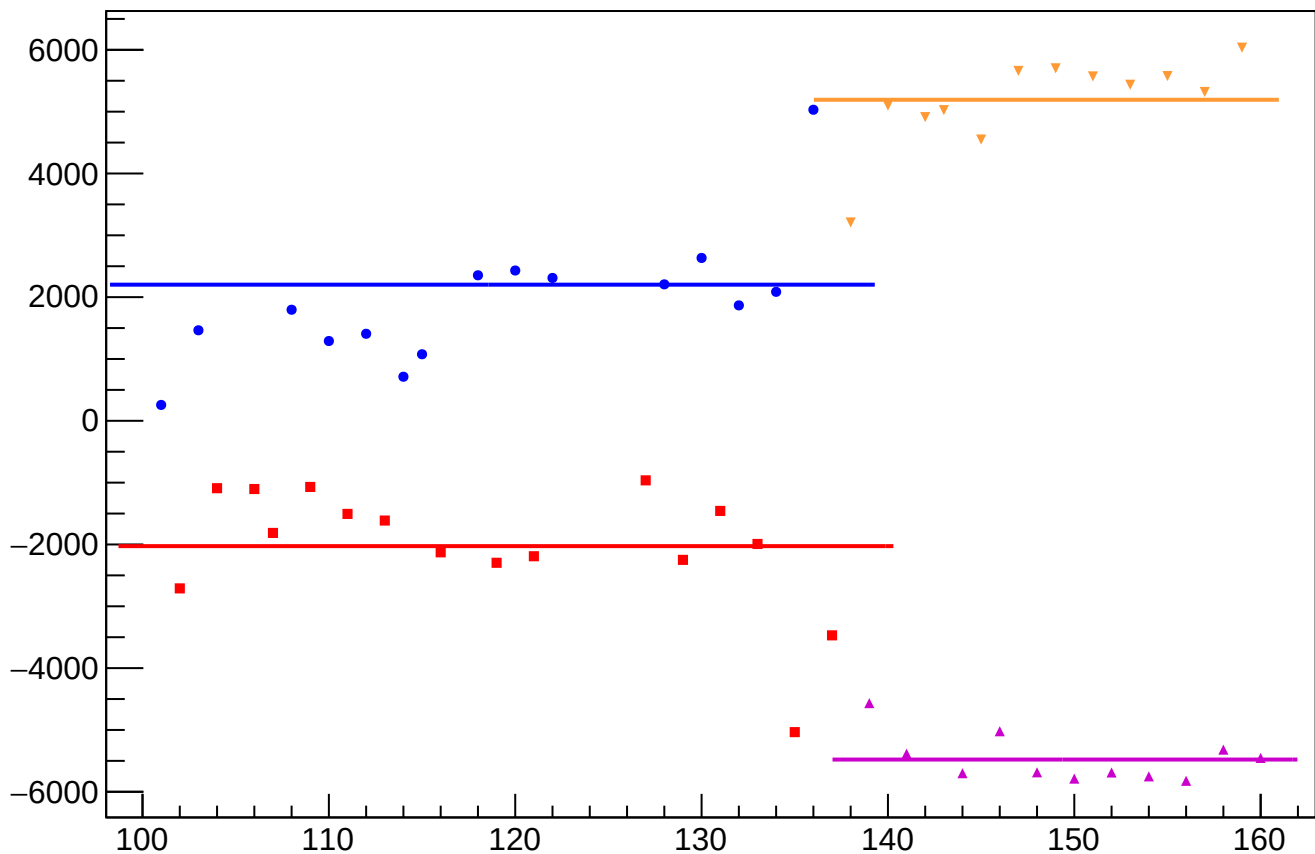
All: -15.471+/-0.000 χ^2/NDF : 270176391125

dit_atl2_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_atr1_coil3_mean vs Slug, Sign Corrected



Right In: 2201.844+/-0.000

χ^2/NDF : 1086544775216266395419904724422998622208.0/14

Left Out: 5192.476+/-0.000

χ^2/NDF : 470317118435532937200148346508624789504.0/11

Right Out: -2026.969+/-0.000

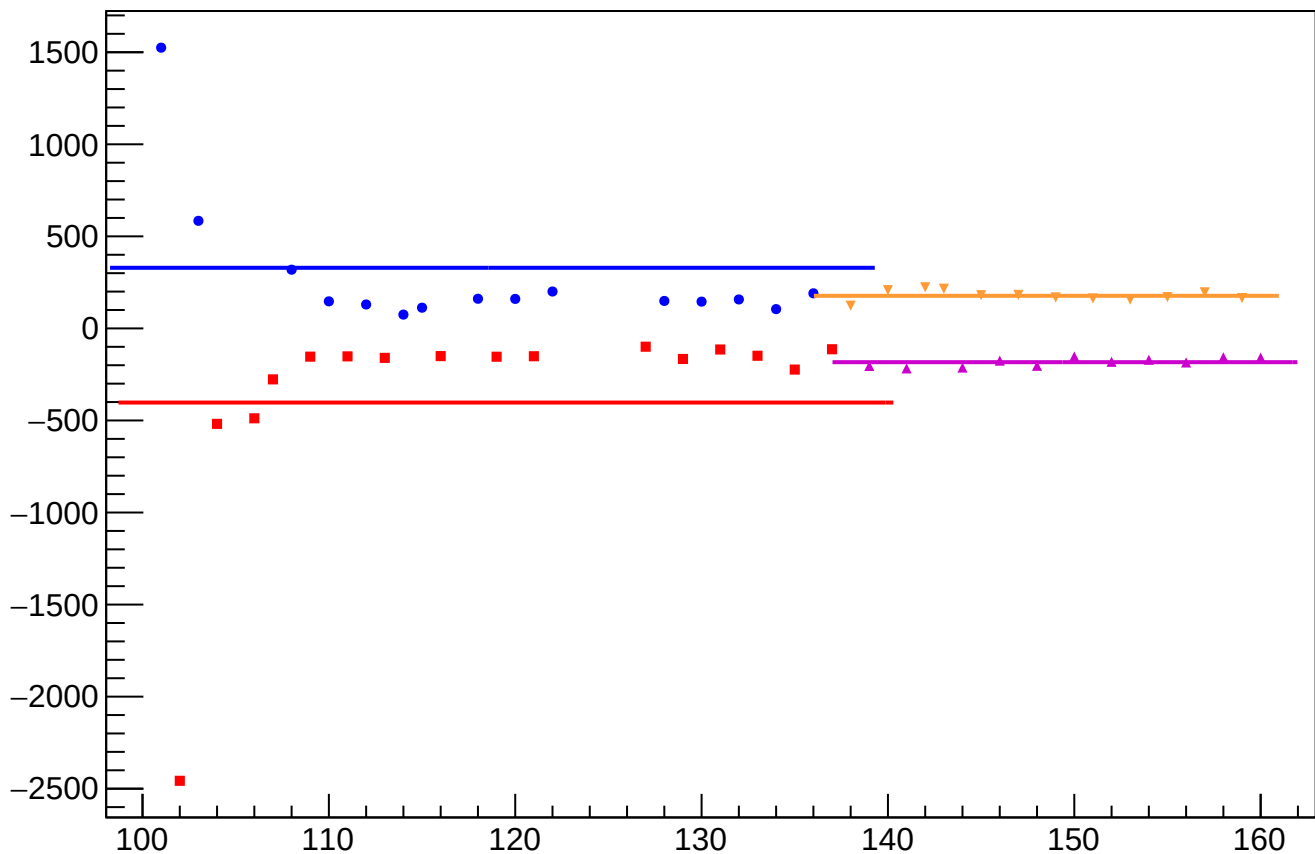
χ^2/NDF : 708626456603410705124518299956645199872.0/15

Left In: -5478.713+/-0.000

χ^2/NDF : 124186054771424011873849346802583601152.0/10

Left: -172.148+/-0.000 χ^2/NDF : 529181779614152
 Right: 58.517+/-0.000 χ^2/NDF : 7677530711207331
 In: -2309.812+/-0.000 χ^2/NDF : 236998936360445
 Out: 2146.701+/-0.000 χ^2/NDF : 212767096674295
 All: -75.903+/-0.000 χ^2/NDF : 606365125250

dit_atr1_coil3_err_mean vs Slug, Sign Corrected



Right In: 329.229+/-0.000

χ^2/NDF : 103285029091922742033837903437132464128.0/14

Left Out: 177.101+/-0.000

χ^2/NDF : 604256347376555065664943941601984512.0/11

Right Out: -402.690+/-0.000

χ^2/NDF : 277636056793293374242116053515003494400.0/15

Left In: -183.411+/-0.000

χ^2/NDF : 452789814018275751637875535657304064.0/10

Left: -4.136+/-0.000 χ^2/NDF : 60775791706189373

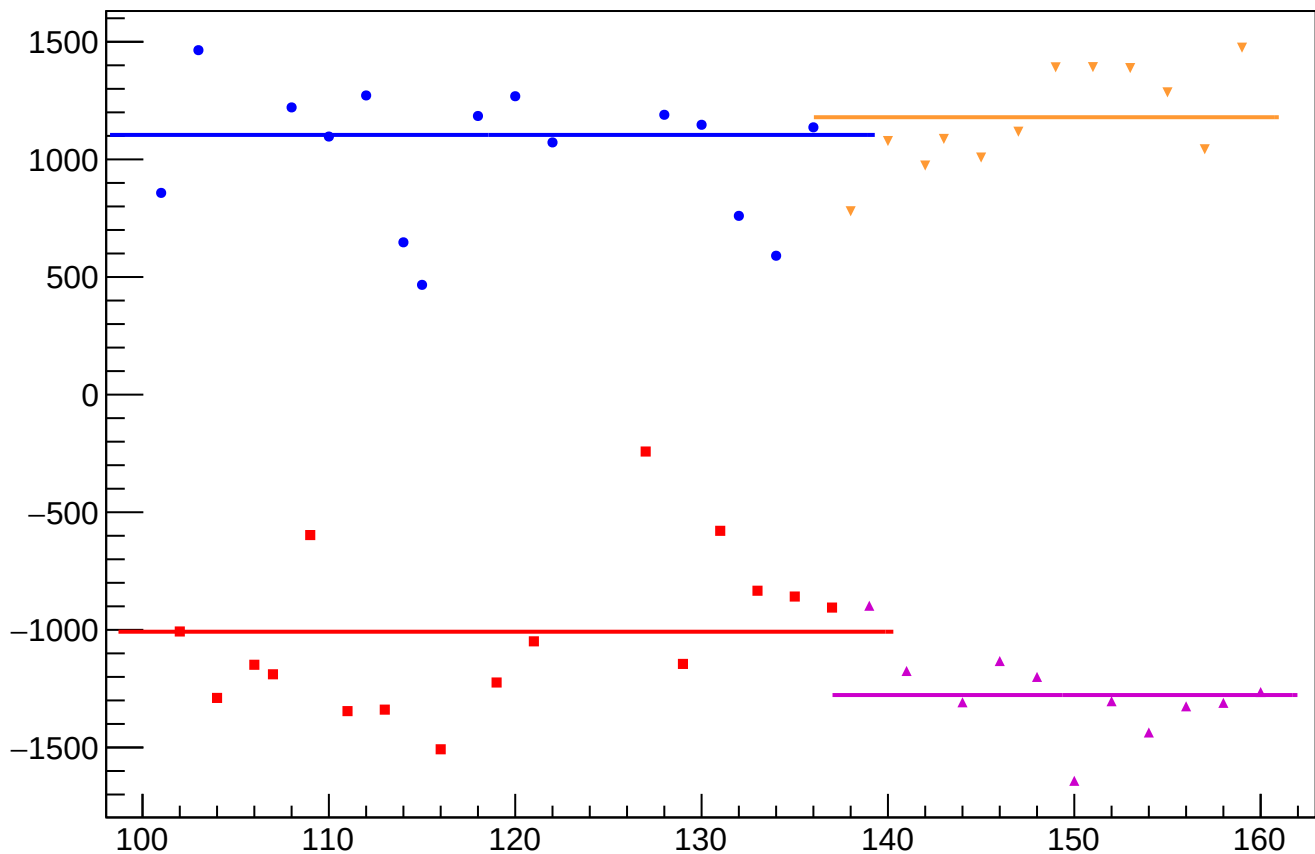
Right: -41.736+/-0.000 χ^2/NDF : 557135346601365

In: 28.098+/-0.000 χ^2/NDF : 203925218655573400

Out: -67.504+/-0.000 χ^2/NDF : 4078634459098727

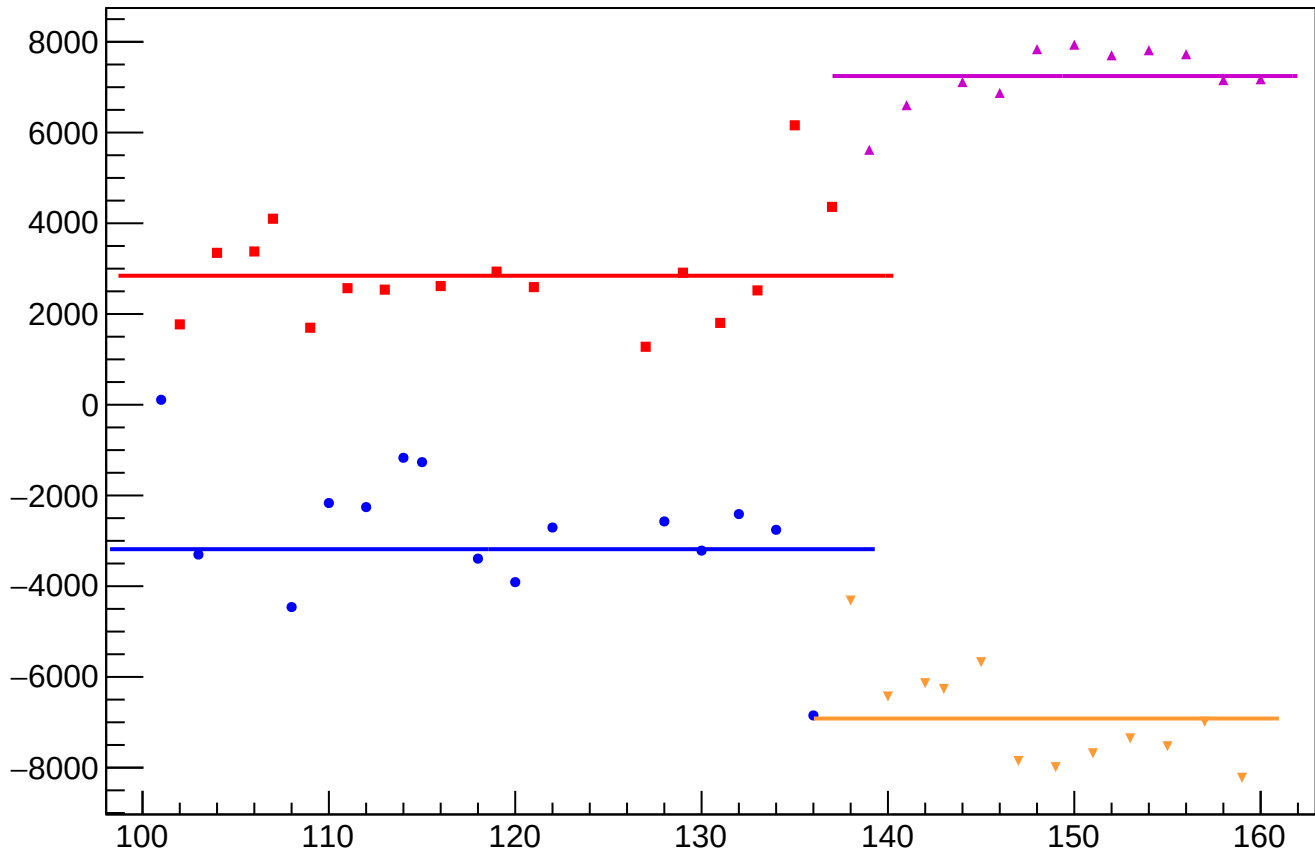
All: -19.824+/-0.000 χ^2/NDF : 618995356861

dit_atr1_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000	χ^2/NDF : 32737841591587454251521906421545304064.0/14	Left: -55.563+/-0.000	χ^2/NDF : 2840892210996509
Left Out: 1179.336+/-0.000	χ^2/NDF : 38742916032610862911819544133355175936.0/11	Right: 33.659+/-0.000	χ^2/NDF : 1569083056347410
Right Out: -1007.906+/-0.000	χ^2/NDF : 69077878009873965622695939627477368832.0/15	In: -294.641+/-0.000	χ^2/NDF : 2223953426306853
Left In: -1277.097+/-0.000	χ^2/NDF : 29578729901602647998073818936097374208.0/10	Out: 256.572+/-0.000	χ^2/NDF : 1952554182211910
	All: -18.335+/-0.000	χ^2/NDF : 441608022845	

dit_atr2_coil3_mean vs Slug, Sign Corrected



Right In: -3183.928+/-0.000

Left Out: -6916.269+/-0.000

Right Out: 2843.597+/-0.000

Left In: 7245.920+/-0.000

χ^2/NDF : 2134923281384422537296044119642733543424.0/14

χ^2/NDF : 1116807093678978049721043579861444067328.0/11

χ^2/NDF : 947077611563723244705531091944015396864.0/15

χ^2/NDF : 401760462783969098772010925007315140608.0/10

Left: 203.352+/-0.000 χ^2/NDF : 9367664182142015

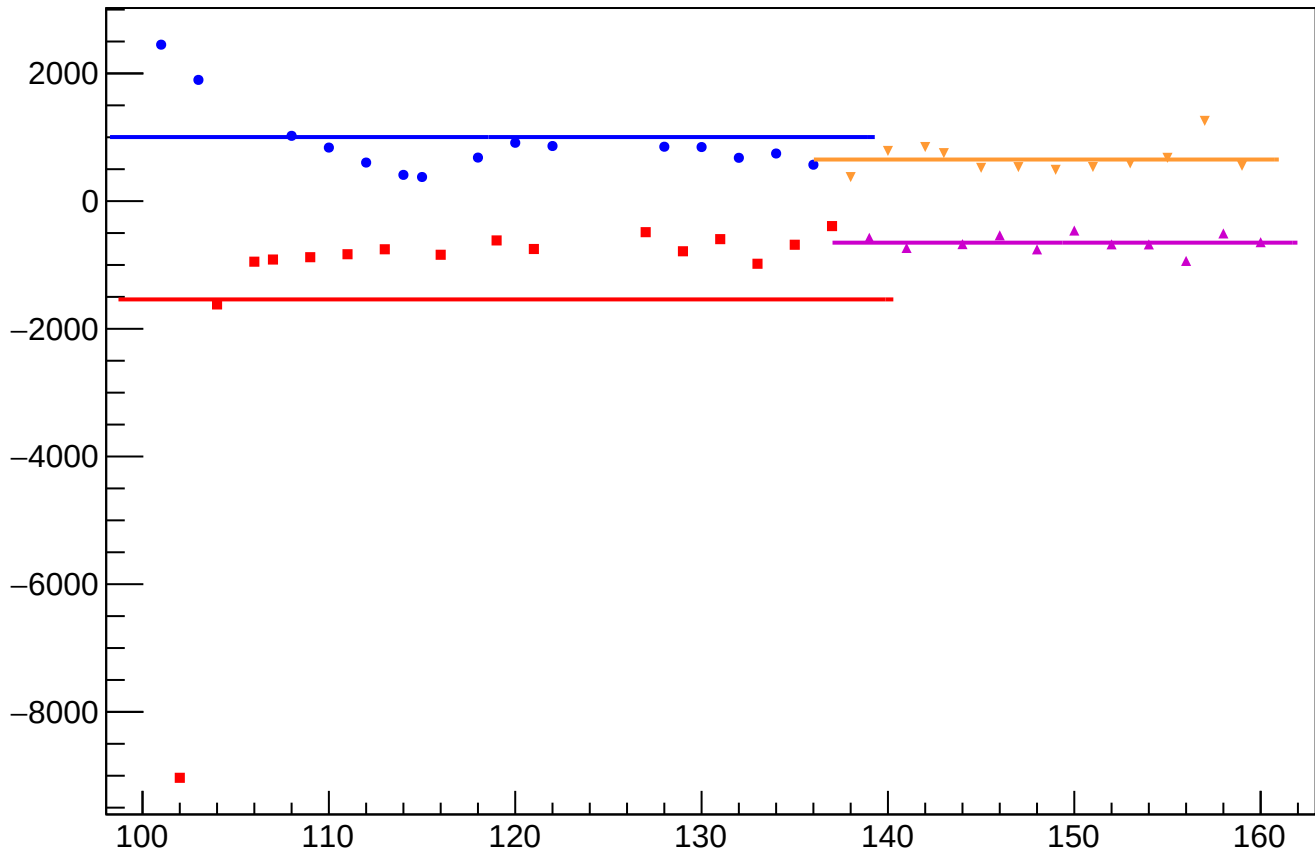
Right: -128.944+/-0.000 χ^2/NDF : 15032681342441

In: 2942.696+/-0.000 χ^2/NDF : 440076230139336

Out: -2798.729+/-0.000 χ^2/NDF : 38794467171221

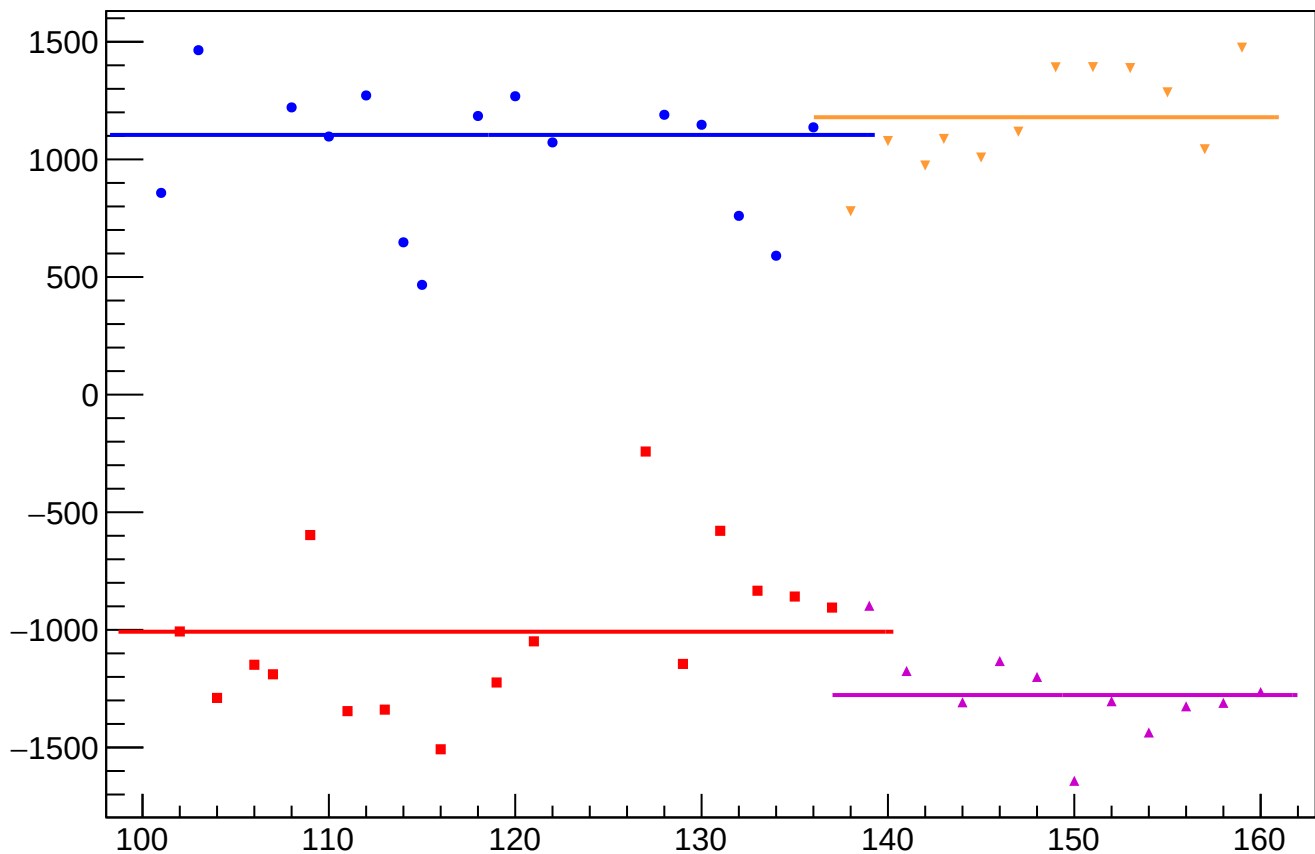
All: 64.702+/-0.000 χ^2/NDF : 1087940046919

dit_atr2_coil3_err_mean vs Slug, Sign Corrected



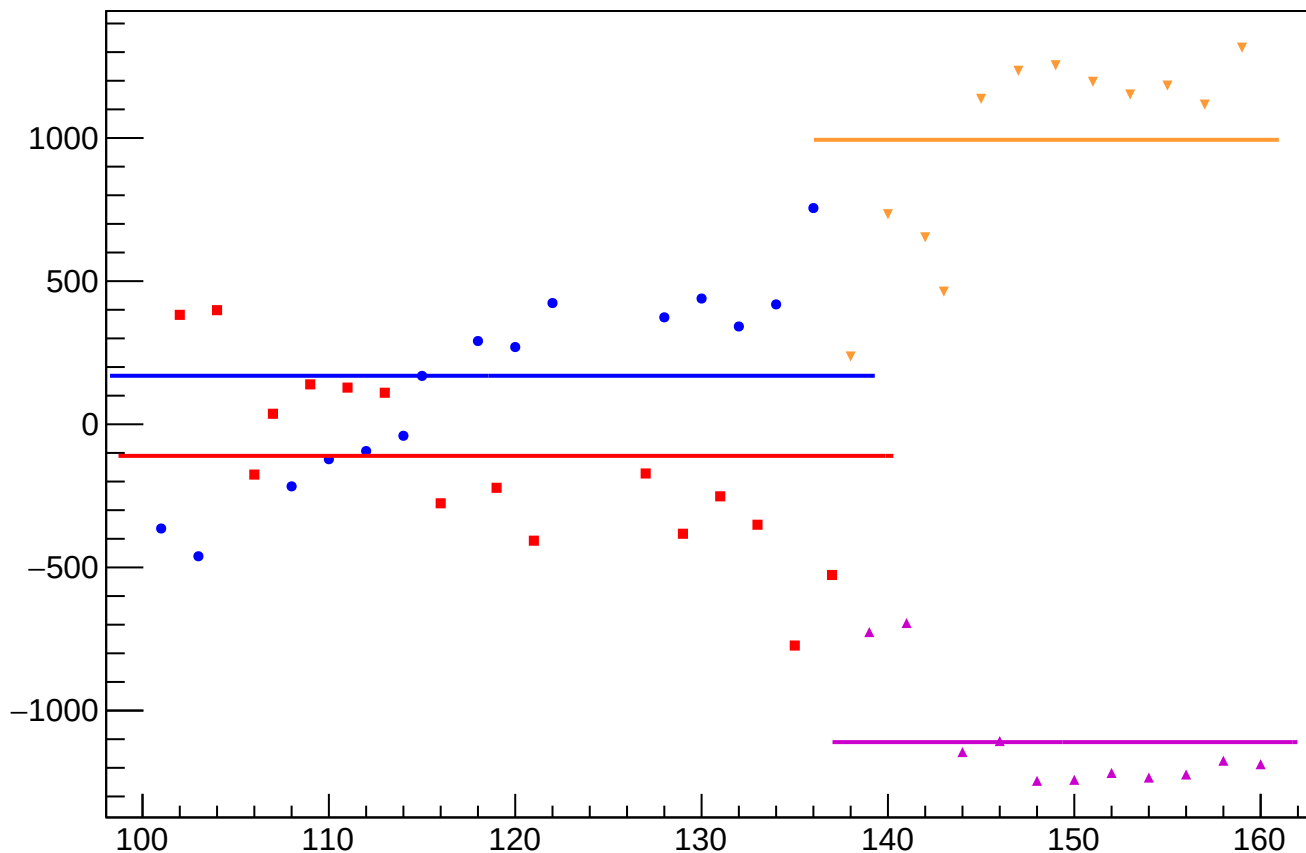
Right In: 1003.407+/-0.000 χ^2/NDF : 219815257294811198811064619822196195328.0/14
 Left Out: 651.582+/-0.000 χ^2/NDF : 45579416700188389340899783793497341952.0/11
 Right Out: -1539.568+/-0.000 χ^2/NDF : 3614774785297482293145354574125437288448.0/15
 Left In: -650.769+/-0.000 χ^2/NDF : 14776465774858799846922535858394365952.0/10
 All: -120.940+/-0.000 χ^2/NDF : 68625749232

dit_atr2_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000	χ^2/NDF : 32737841591587454251521906421545304064.0/14	Left: -55.563+/-0.000	χ^2/NDF : 2840892210996509
Left Out: 1179.336+/-0.000	χ^2/NDF : 38742916032610862911819544133355175936.0/11	Right: 33.659+/-0.000	χ^2/NDF : 1569083056347410
Right Out: -1007.906+/-0.000	χ^2/NDF : 69077878009873965622695939627477368832.0/15	In: -294.641+/-0.000	χ^2/NDF : 2223953426306853
Left In: -1277.097+/-0.000	χ^2/NDF : 29578729901602647998073818936097374208.0/10	Out: 256.572+/-0.000	χ^2/NDF : 1952554182211910
	All: -18.335+/-0.000	χ^2/NDF : 441608022845	

dit_sam1_coil3_mean vs Slug, Sign Corrected



Right In: 169.489 +/- 0.000

χ^2/NDF : 95435894585210891032426613567490359296.0/14

Left Out: 993.680 +/- 0.000

χ^2/NDF : 103871744093271862136270527542037839872.0/11

Right Out: -110.289 +/- 0.000

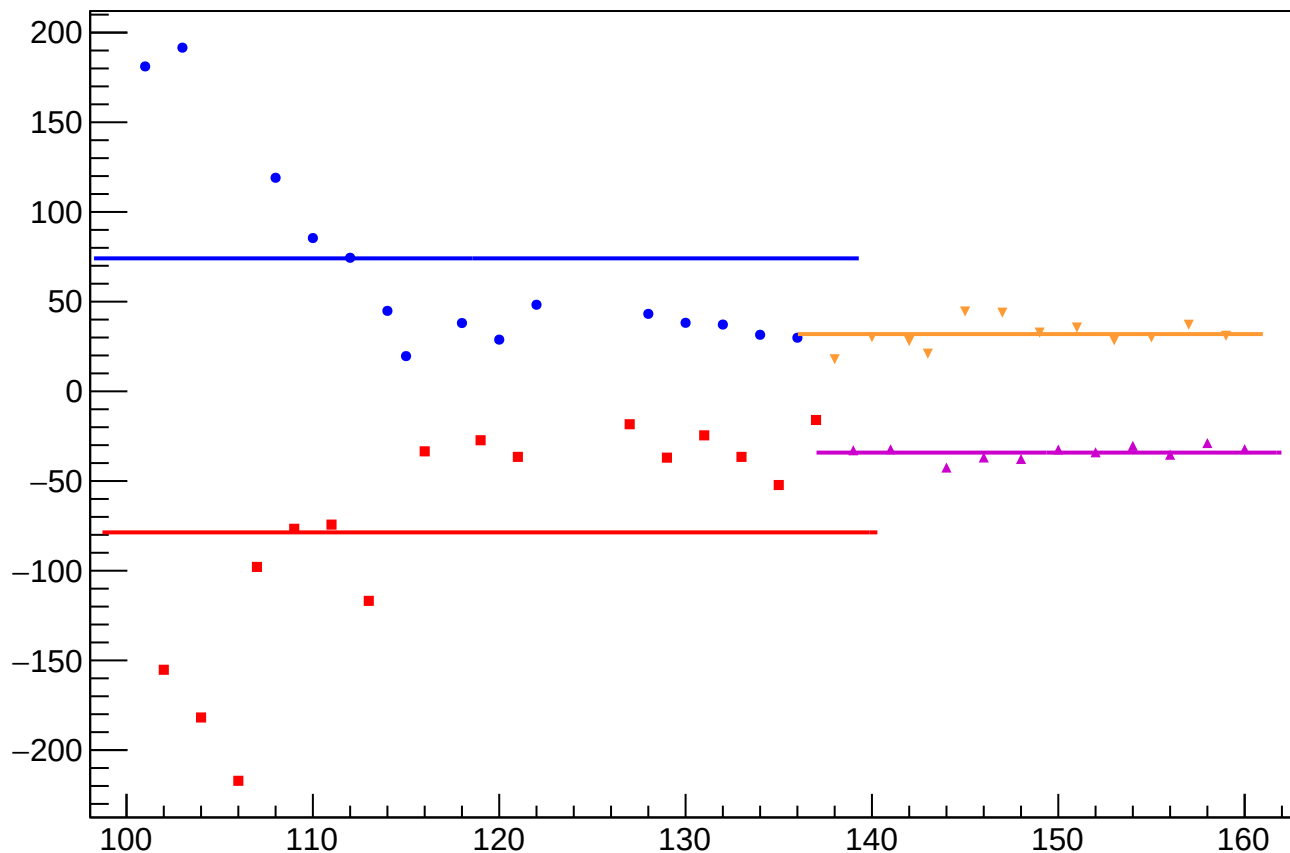
χ^2/NDF : 71770784102052938523592716508479881216.0/15

Left In: -1110.204 +/- 0.000

χ^2/NDF : 34078671675207101758695575343264169984.0/10

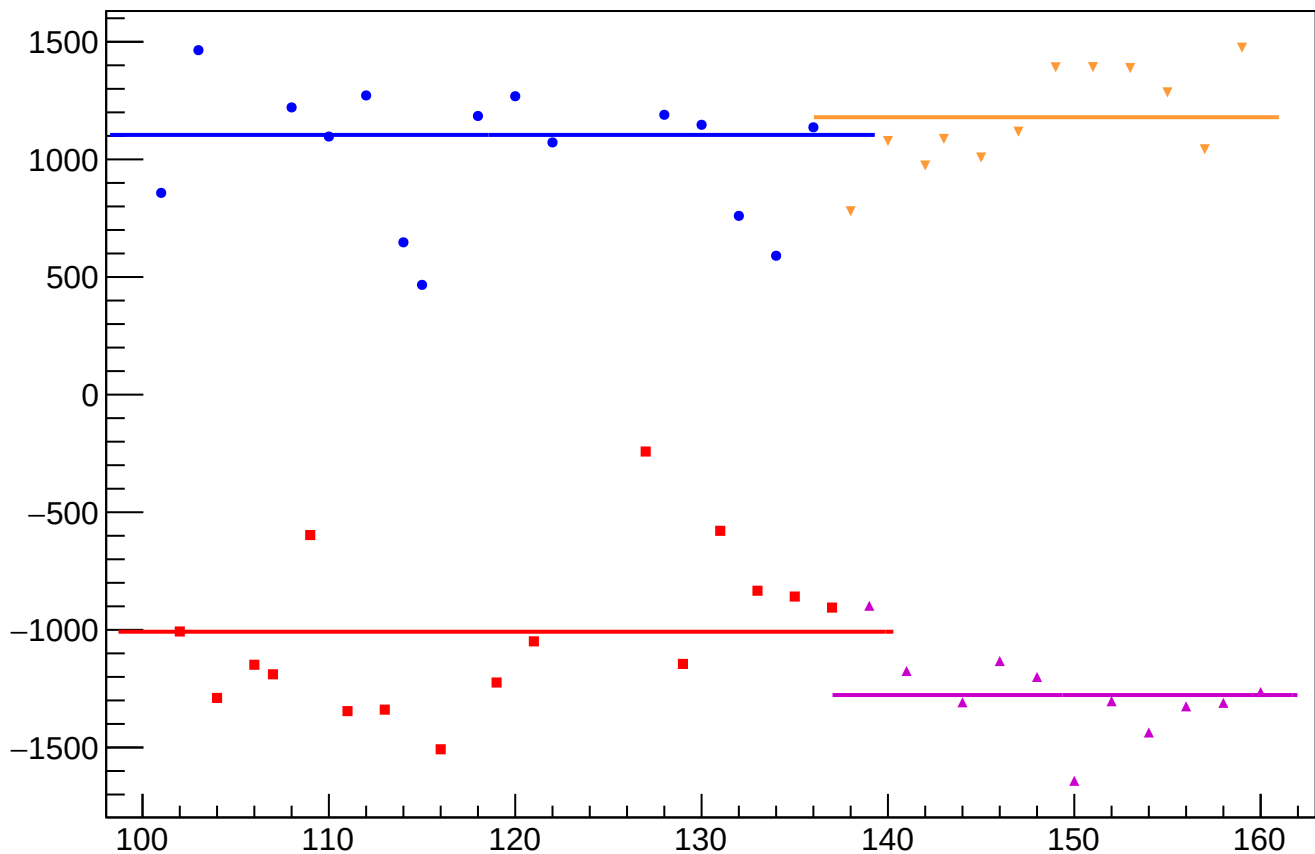
All: -25.735 +/- 0.000 χ^2/NDF : 237118807737

dit_sam1_coil3_err_mean vs Slug, Sign Corrected



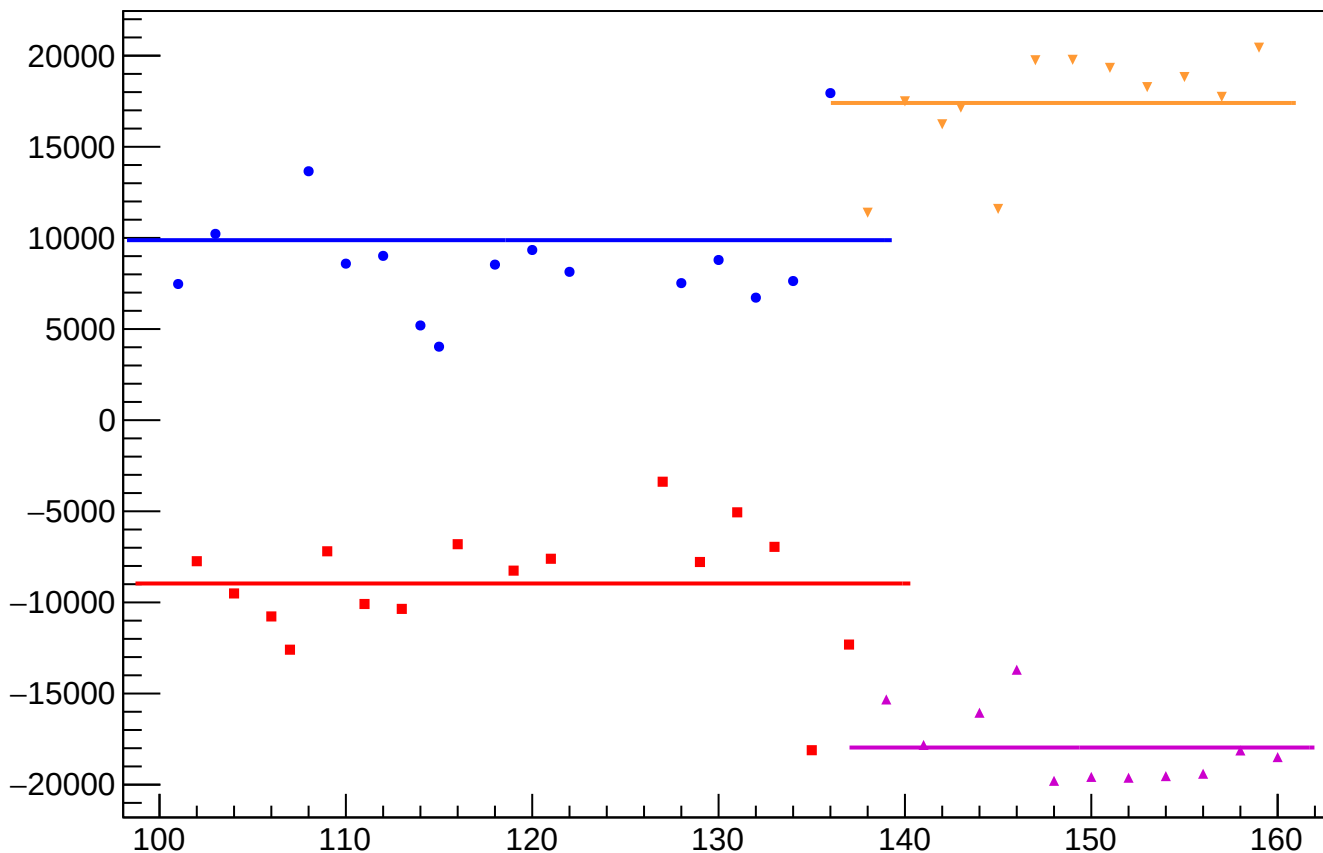
Right In: 74.129 ± 0.000 $\chi^2/\text{NDF}: 2168375717401207322620658258081218560.0/14$
 Left Out: 31.916 ± 0.000 $\chi^2/\text{NDF}: 52391134971476446801164737802403840.0/11$
 Right Out: -78.633 ± 0.000 $\chi^2/\text{NDF}: 2343230336879830638767678903539466240.0/15$
 Left In: -34.158 ± 0.000 $\chi^2/\text{NDF}: 12535781757096828038064244290224128.0/10$
 All: -2.134 ± 0.000 $\chi^2/\text{NDF}: 1426173775487$

dit_sam1_coil3_Ndata_mean vs Slug, Sign Corrected



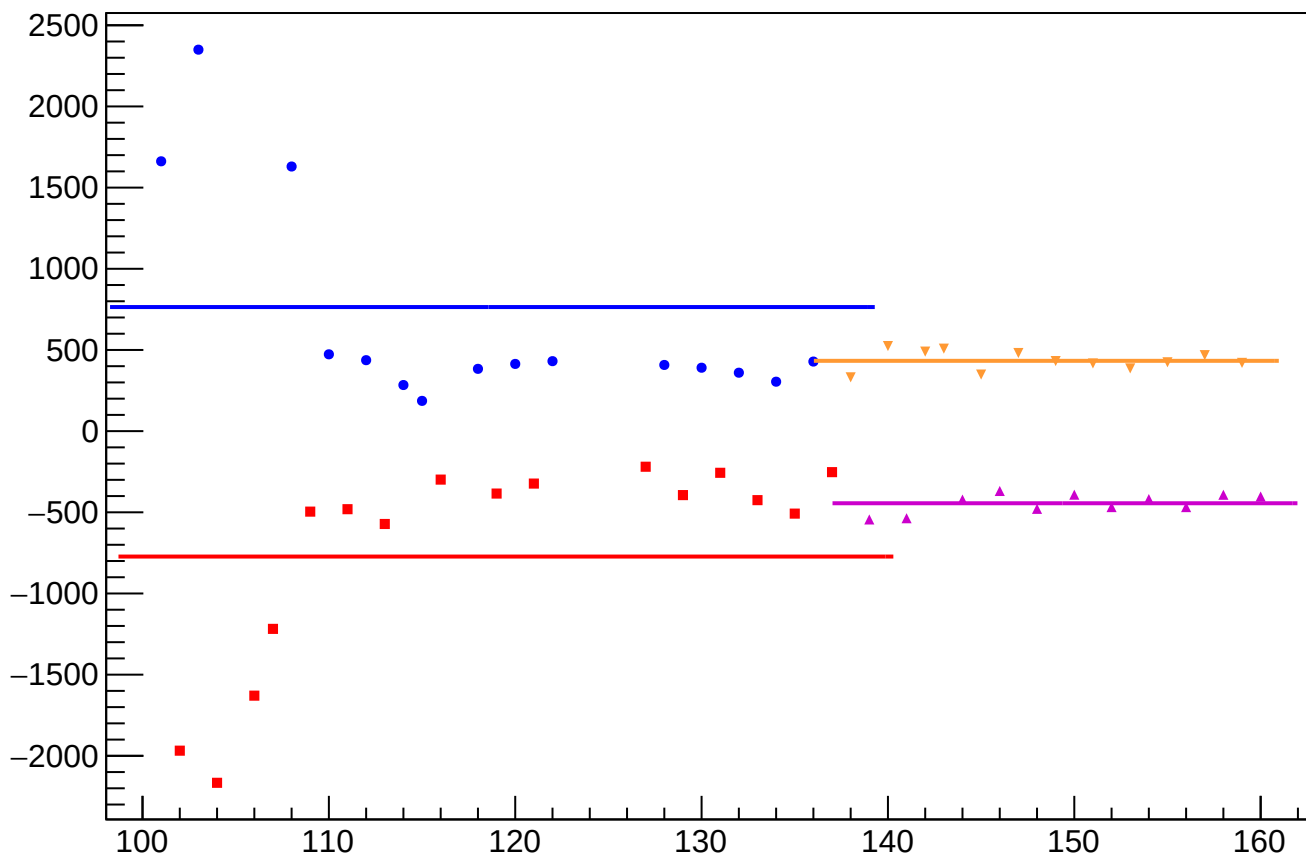
Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_sam2_coil3_mean vs Slug, Sign Corrected



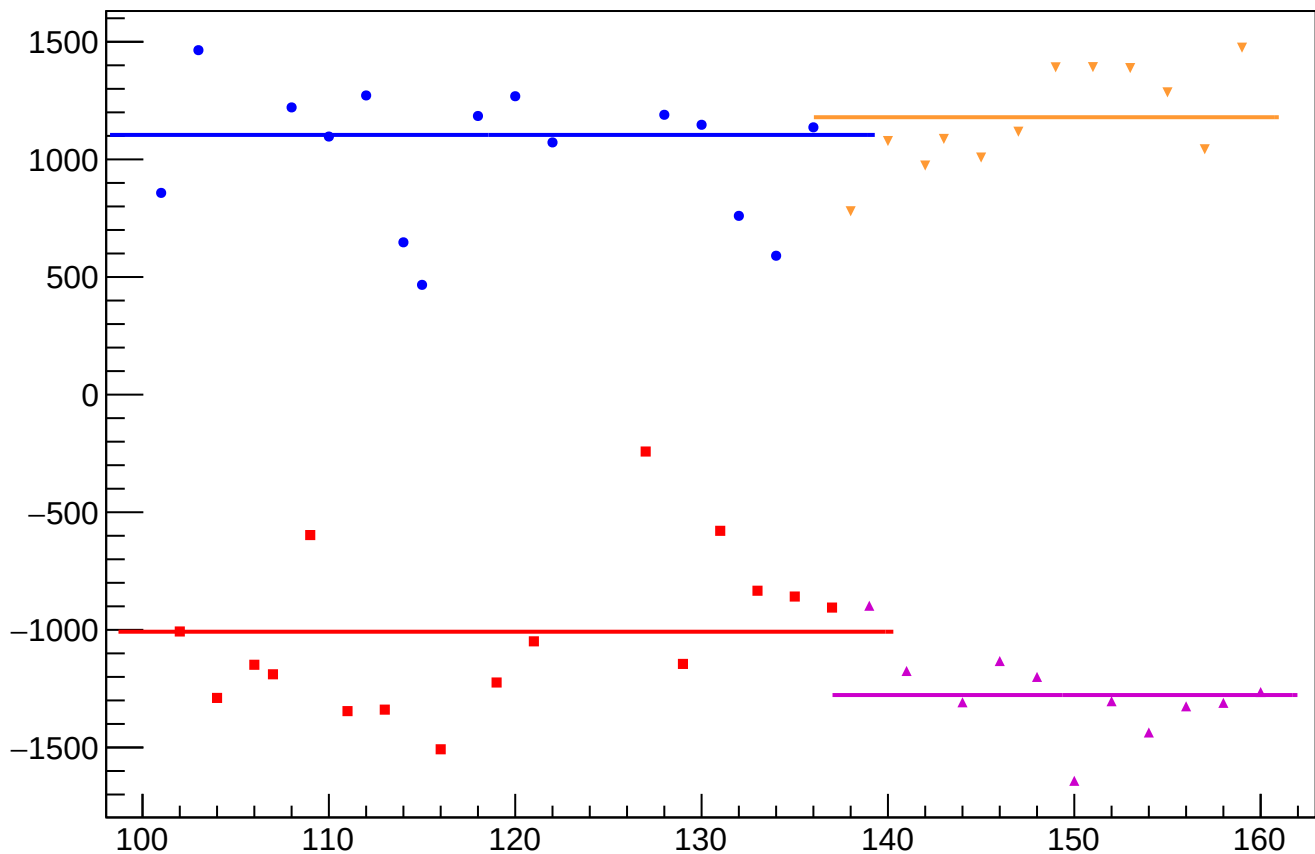
Right In: 9876.530 ± 0.000 $\chi^2/\text{NDF}: 8483360287053054122301651905797133697024.0/14$
 Left Out: 17405.049 ± 0.000 $\chi^2/\text{NDF}: 7689801671099378791544545422175664865280.0/11$
 Right Out: -8961.593 ± 0.000 $\chi^2/\text{NDF}: 7583728644146461427304320888408335450112.0/15$
 Left In: -17962.529 ± 0.000 $\chi^2/\text{NDF}: 3564698291142811133043344688261317525504.0/10$
 All: -81.381 ± 0.000 $\chi^2/\text{NDF}: 719188962323$

dit_sam2_coil3_err_mean vs Slug, Sign Corrected



Right In: 764.284+/-0.000 χ^2/NDF : 290964758058269480005067205020030599168.0/14
 Left Out: 433.079+/-0.000 χ^2/NDF : 3070370524438239159273190119476035584.0/11
 Right Out: -772.547+/-0.000 χ^2/NDF : 285902138904642401278625587631891677184.0/15
 Left In: -444.245+/-0.000 χ^2/NDF : 2906625839452991270105053894151241728.0/10
 All: -10.754+/-0.000 χ^2/NDF : 171344684046

dit_sam2_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

Left Out: 1179.336+/-0.000

χ^2/NDF : 38742916032610862911819544133355175936.0/11

Right Out: -1007.906+/-0.000

χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097+/-0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

Left: -55.563+/-0.000 χ^2/NDF : 2840892210996509

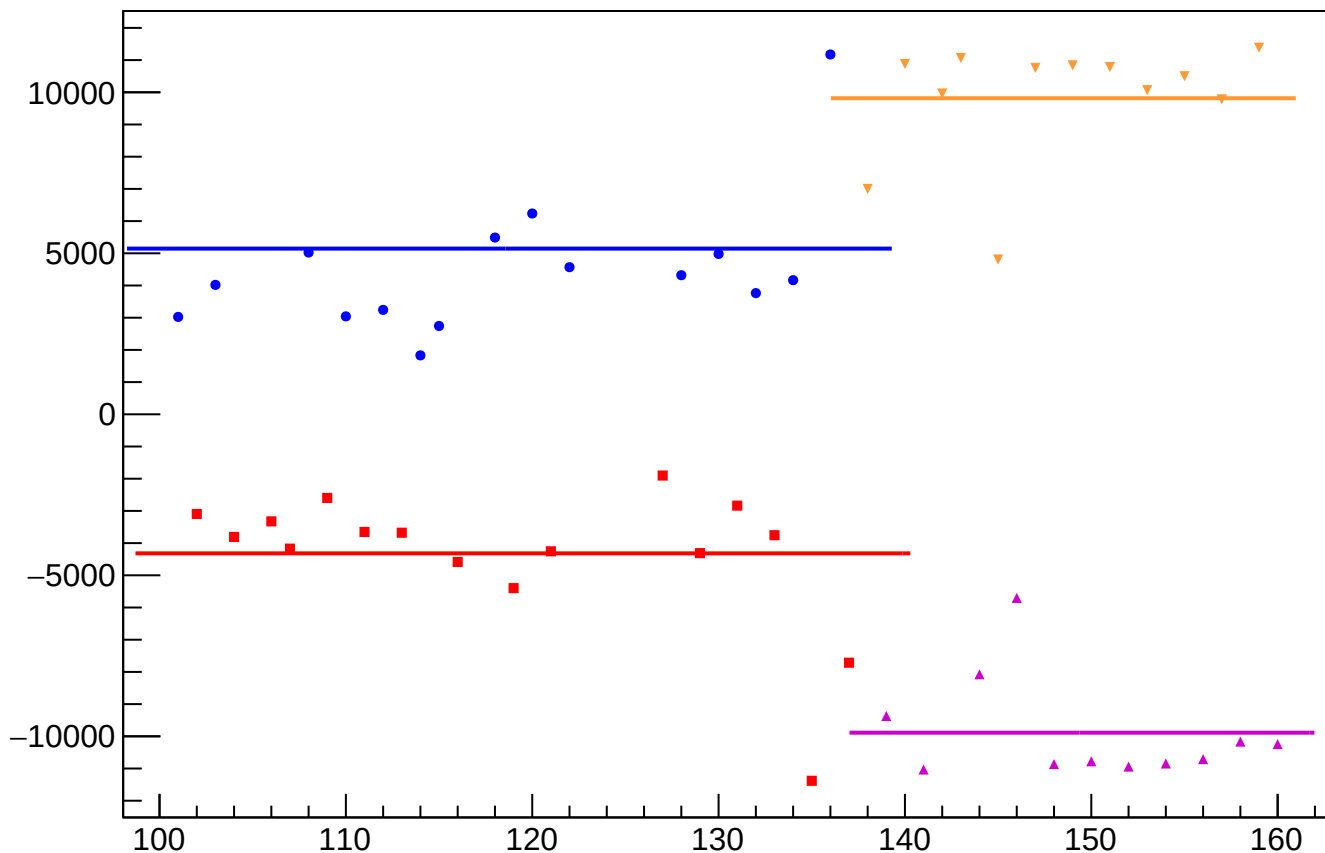
Right: 33.659+/-0.000 χ^2/NDF : 1569083056347410

In: -294.641+/-0.000 χ^2/NDF : 2223953426306853

Out: 256.572+/-0.000 χ^2/NDF : 1952554182211910

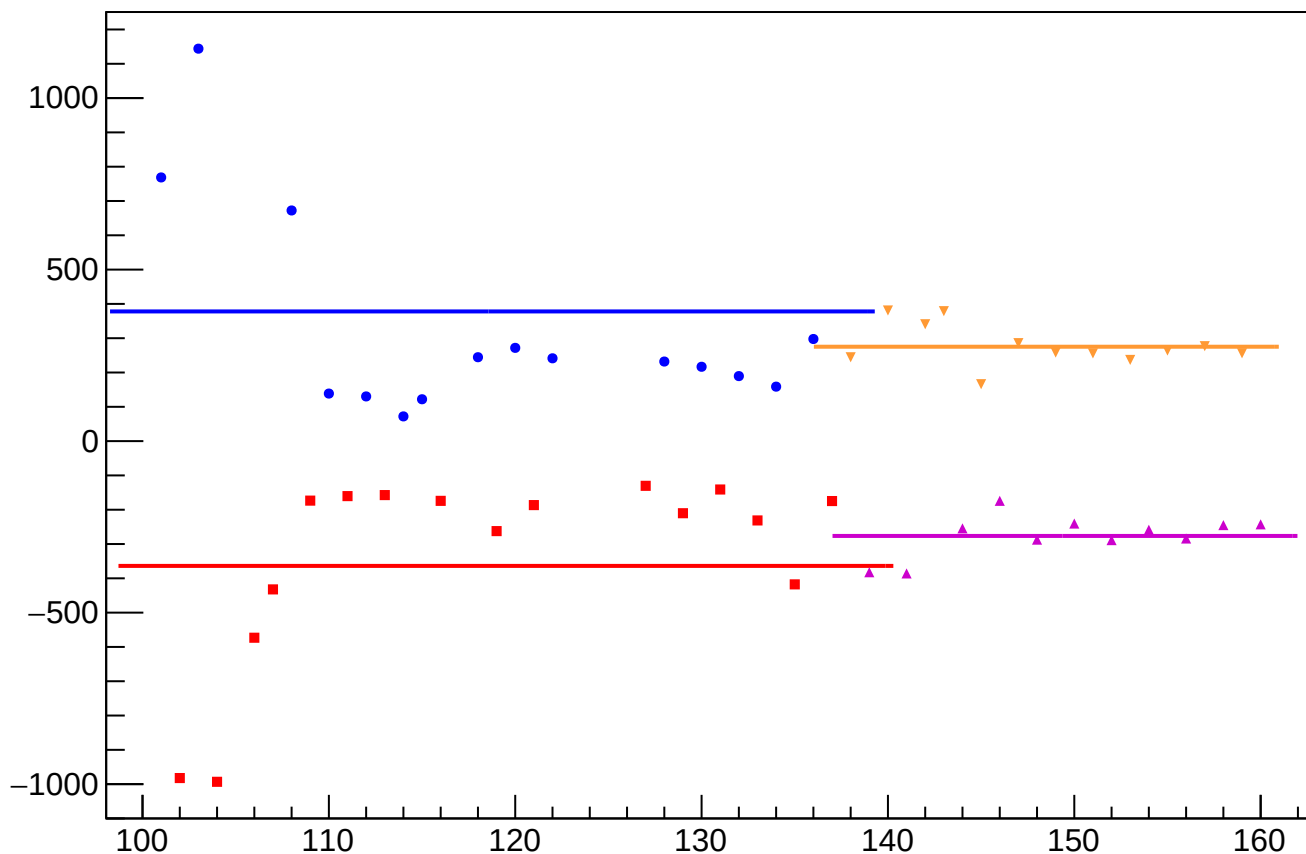
All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_sam3_coil3_mean vs Slug, Sign Corrected



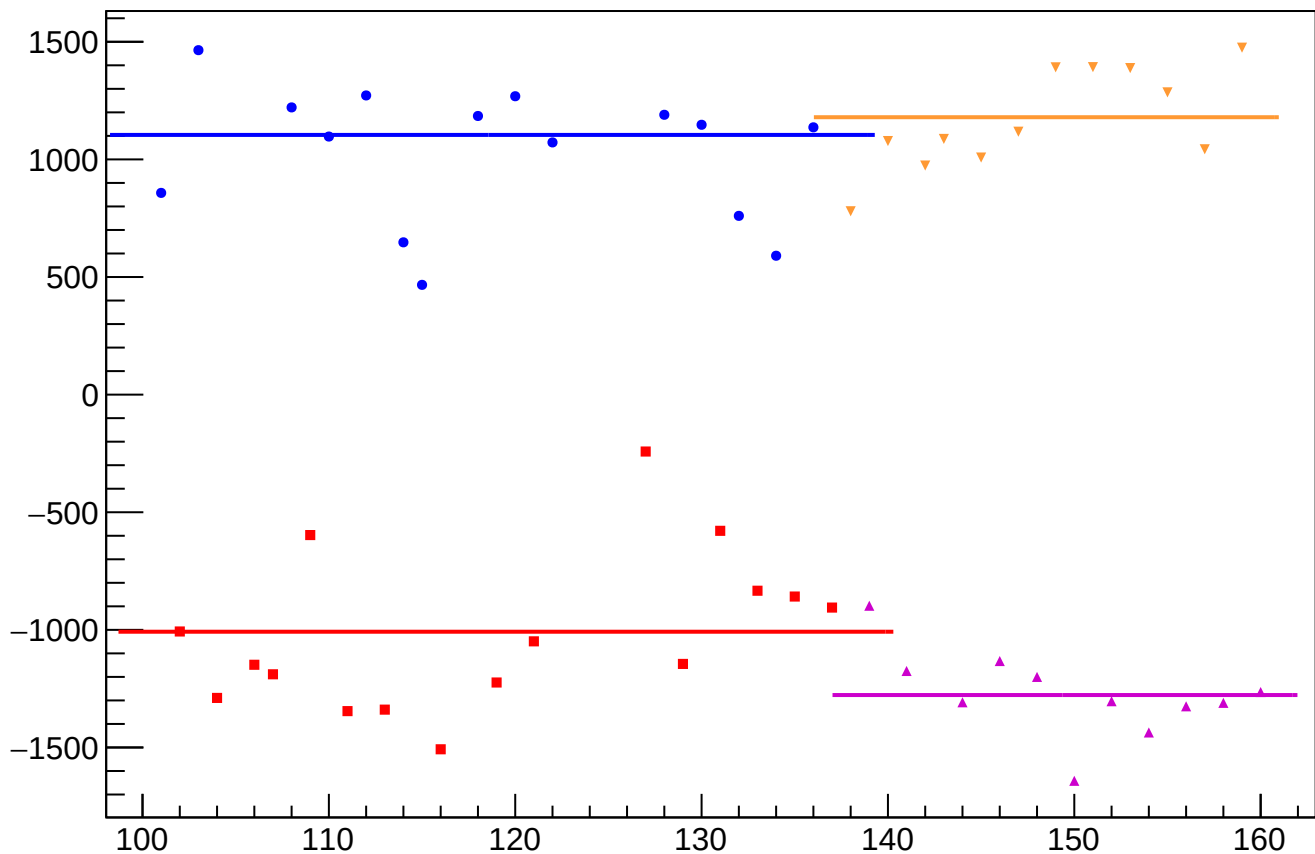
Right In: 5145.657+/-0.000 χ^2/NDF : 4272867262459372237810540195851662262272.0/14
 Left Out: 9815.736+/-0.000 χ^2/NDF : 3242126212507286714618316704208262266880.0/11
 Right Out: -4318.126+/-0.000 χ^2/NDF : 3345176554564755427312533888908526616576.0/15
 Left In: -9887.069+/-0.000 χ^2/NDF : 2278516780225824082632420288802127347712.0/10
 All: 93.618+/-0.000 χ^2/NDF : 2211196592737

dit_sam3_coil3_err_mean vs Slug, Sign Corrected



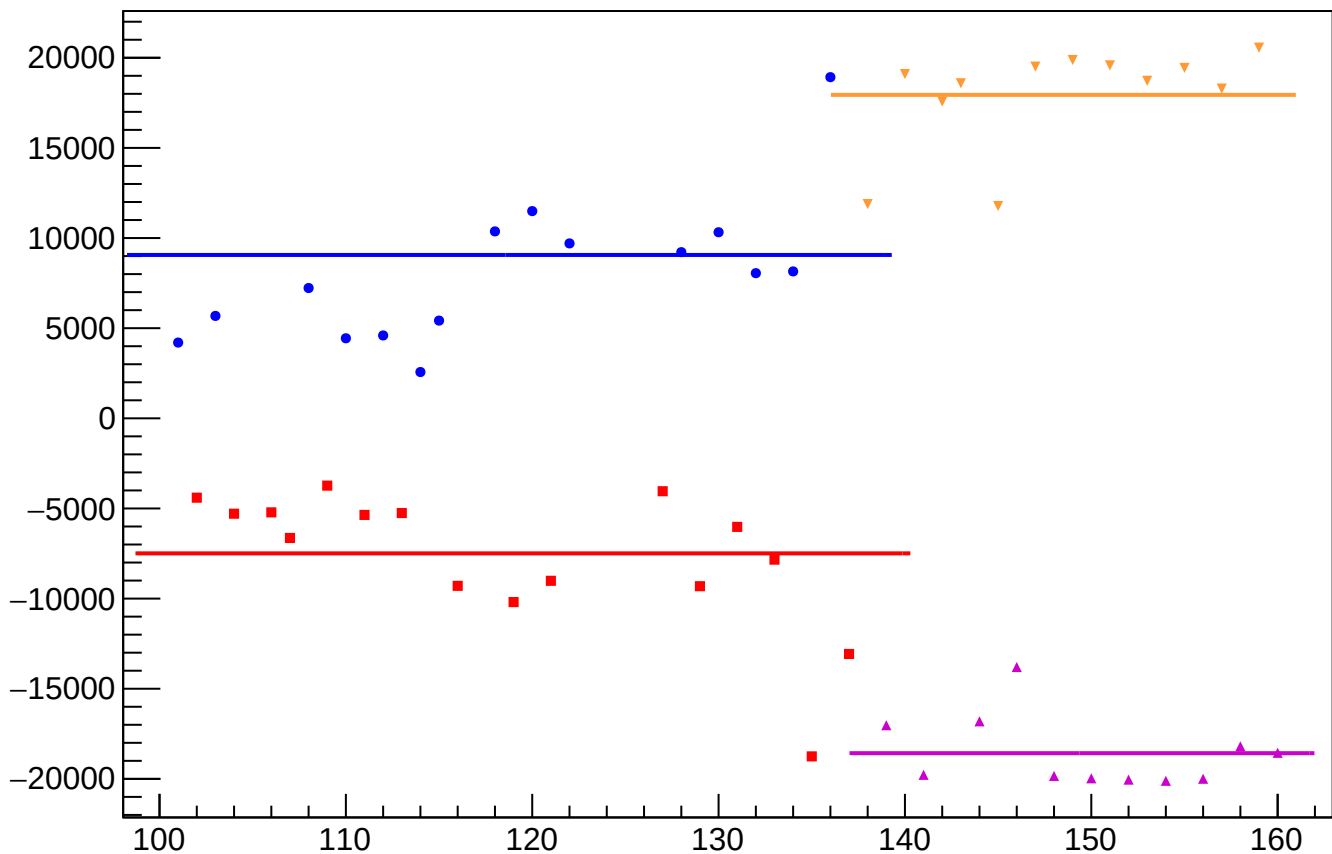
Right In: 378.052 $\pm$ 0.000 χ^2 /NDF: 61516590022593053040860760861331947520.0/14
 Left Out: 275.181 $\pm$ 0.000 χ^2 /NDF: 3063973924838483752648023856495198208.0/11
 Right Out: -363.772 $\pm$ 0.000 χ^2 /NDF: 59031337484709801804181439342706688000.0/15
 Left In: -276.429 $\pm$ 0.000 χ^2 /NDF: 3176476969276554988209041450490396672.0/10
 All: -0.376 $\pm$ 0.000 χ^2 /NDF: 4476277184699

dit_sam3_coil3_Ndata_mean vs Slug, Sign Corrected



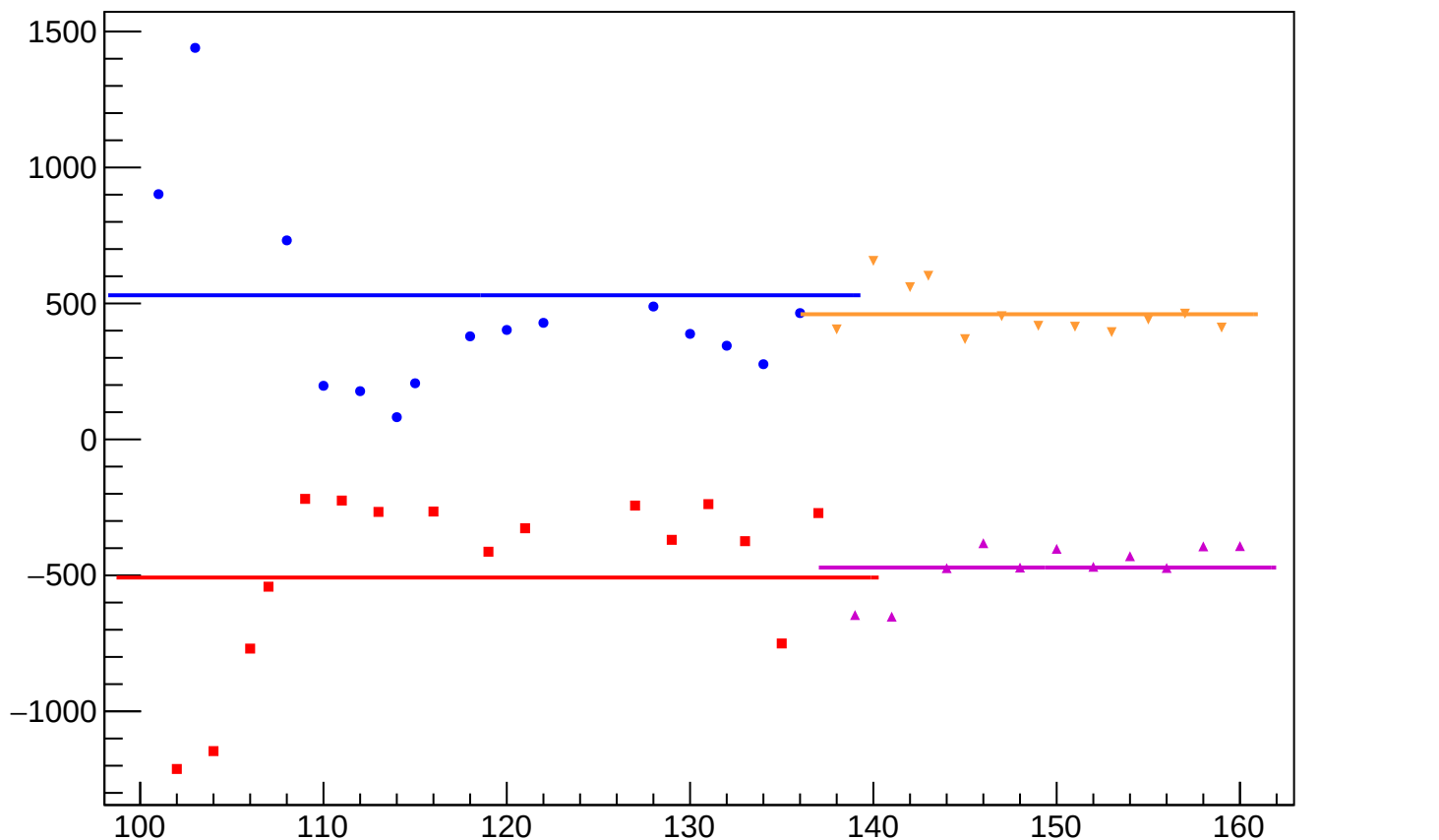
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_sam4_coil3_mean vs Slug, Sign Corrected



Right In: 9062.710 ± 0.000 $\chi^2/\text{NDF}: 13621066943114354594159252409175431446528.0/14$
 Left Out: 17943.531 ± 0.000 $\chi^2/\text{NDF}: 7473617733274816603280469921274378846208.0/11$
 Right Out: -7490.147 ± 0.000 $\chi^2/\text{NDF}: 10108202124204139932285006457388239159296.0/15$
 Left In: -18574.874 ± 0.000 $\chi^2/\text{NDF}: 3371752936319538414648384836142763081728.0/10$
 All: 38.990 ± 0.000 $\chi^2/\text{NDF}: 7383790559071$

dit_sam4_coil3_err_mean vs Slug, Sign Corrected



Right In: 530.057+/-0.000

χ^2/NDF : 78754676063063255524046471751880671232.0/14

Left Out: 460.312+/-0.000

χ^2/NDF : 6754606428371283053517529701630869504.0/11

Right Out: -507.987+/-0.000

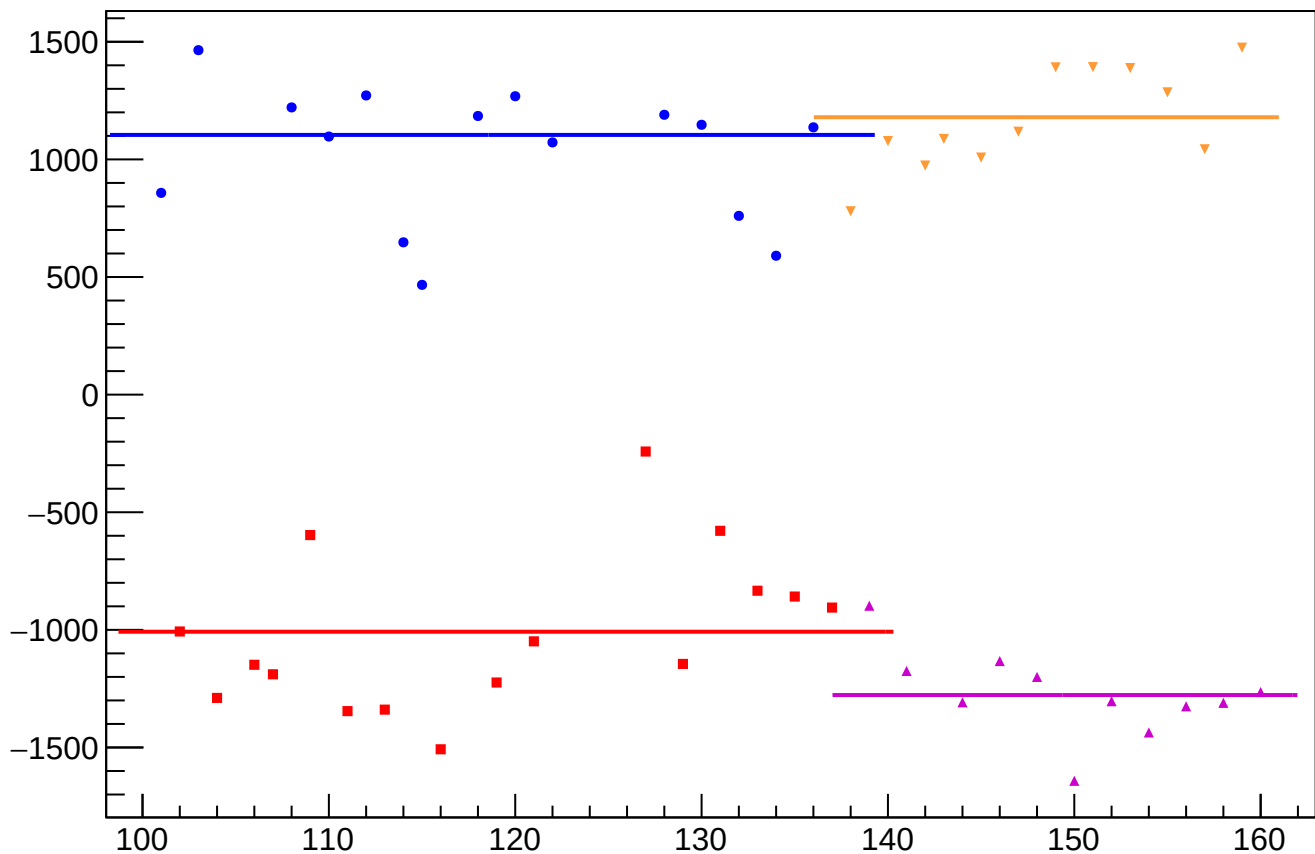
χ^2/NDF : 76689734698308464337881841969555046400.0/15

Left In: -471.219+/-0.000

χ^2/NDF : 7445973219160336257467772011051745280.0/10

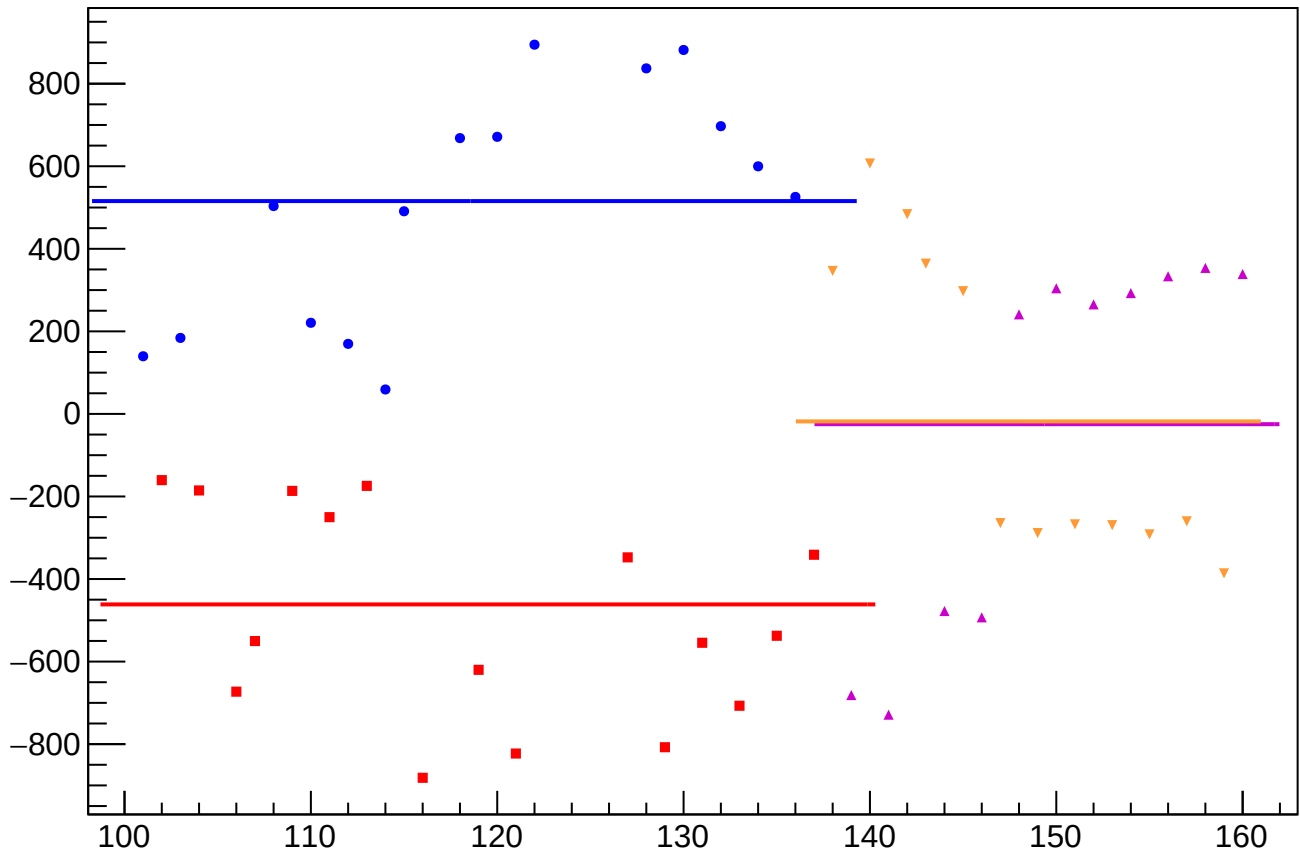
Left: -7.988+/-0.000 χ^2/NDF : 41292053384474531
 Right: 3.936+/-0.000 χ^2/NDF : 50988723963729126
 In: -58.105+/-0.000 χ^2/NDF : 46840539671479809
 Out: 51.802+/-0.000 χ^2/NDF : 44498677720954542
 All: -3.012+/-0.000 χ^2/NDF : 9229168077860

dit_sam4_coil3_Ndata_mean vs Slug, Sign Corrected



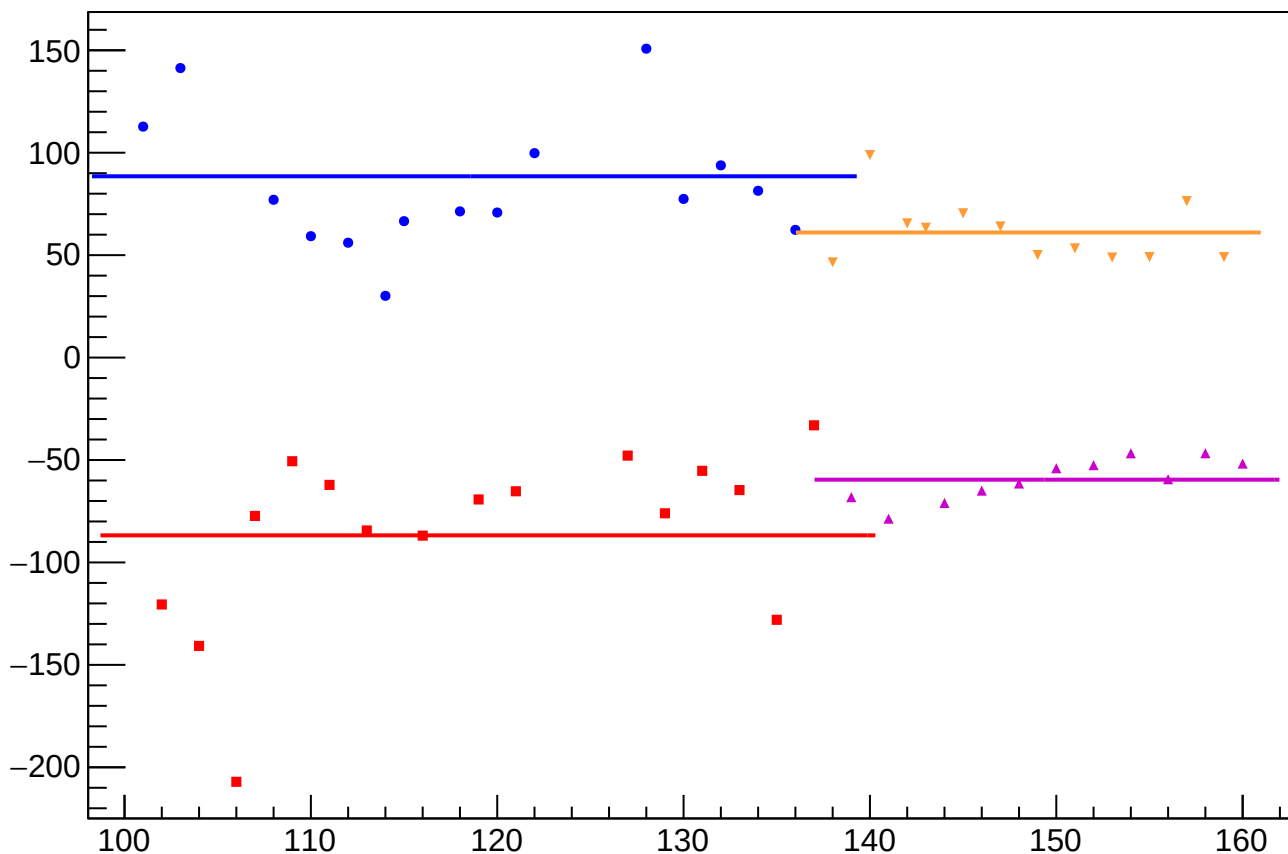
Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_sam5_coil3_mean vs Slug, Sign Corrected



Right In: 515.635 $\pm$ 0.000 χ^2 /NDF: 48465403420573957292673062371162324992.0/14
 Left Out: -18.146 $\pm$ 0.000 χ^2 /NDF: 114014627327363890146179797072763420672.0/11
 Right Out: -461.497 $\pm$ 0.000 χ^2 /NDF: 40473746660091355928063306884368564224.0/15
 Left In: -24.898 $\pm$ 0.000 χ^2 /NDF: 177170083146066340419686697250307702784.0/10
 All: -4.046 $\pm$ 0.000 χ^2 /NDF: 6955593653745

dit_sam5_coil3_err_mean vs Slug, Sign Corrected



Right In: 88.493+/-0.000

χ^2/NDF : 643231155193035512625817963208900608.0/14

Left Out: 61.067+/-0.000

χ^2/NDF : 211507080213048507647331077961285632.0/11

Right Out: -86.773+/-0.000

χ^2/NDF : 1059206766314086021240525003228708864.0/15

Left In: -59.604+/-0.000

χ^2/NDF : 90862625181985664375323463168032768.0/10

Left: 0.403+/-0.000 χ^2/NDF : 699320951326261037

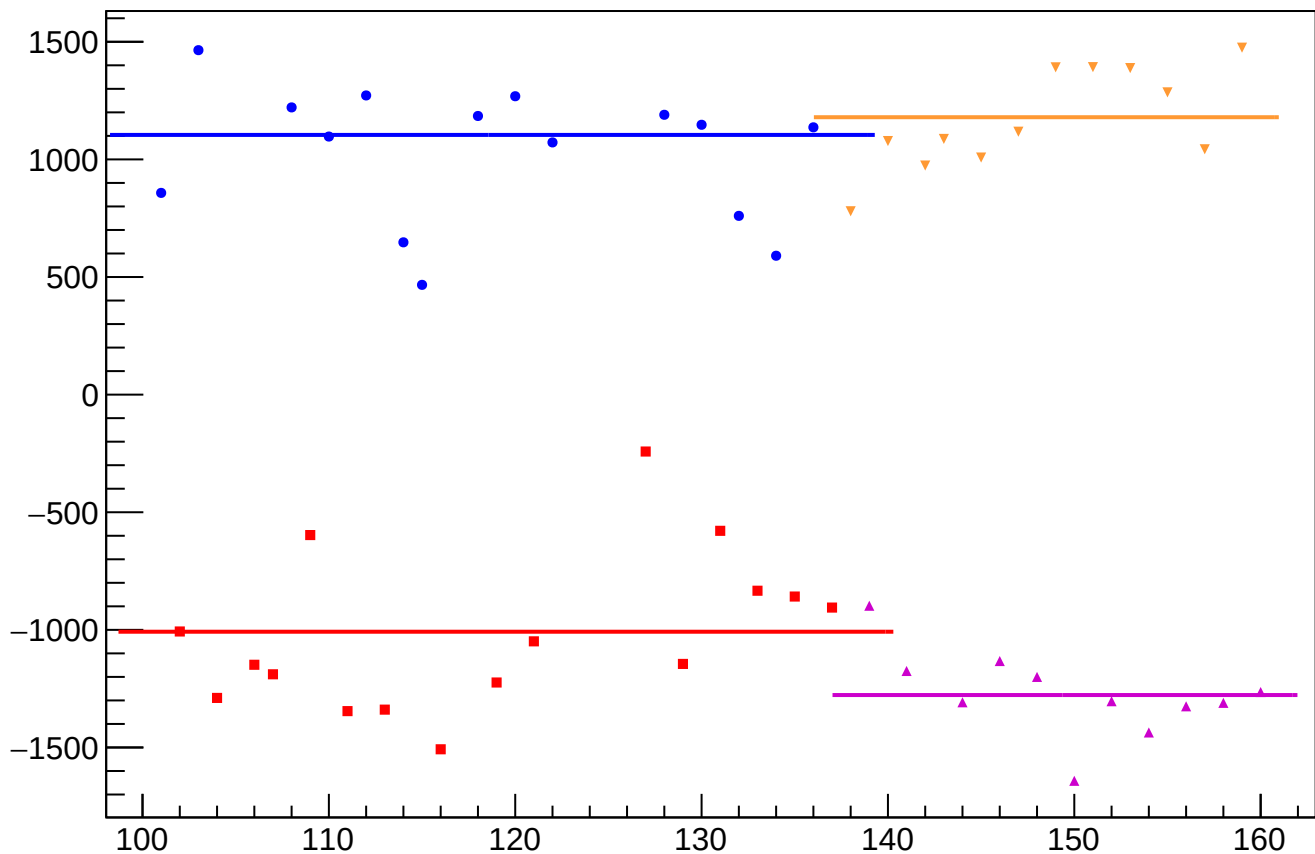
Right: -0.339+/-0.000 χ^2/NDF : 1180687368969666

In: 1.499+/-0.000 χ^2/NDF : 9095552932687624023

Out: -1.305+/-0.000 χ^2/NDF : 96987555251915958

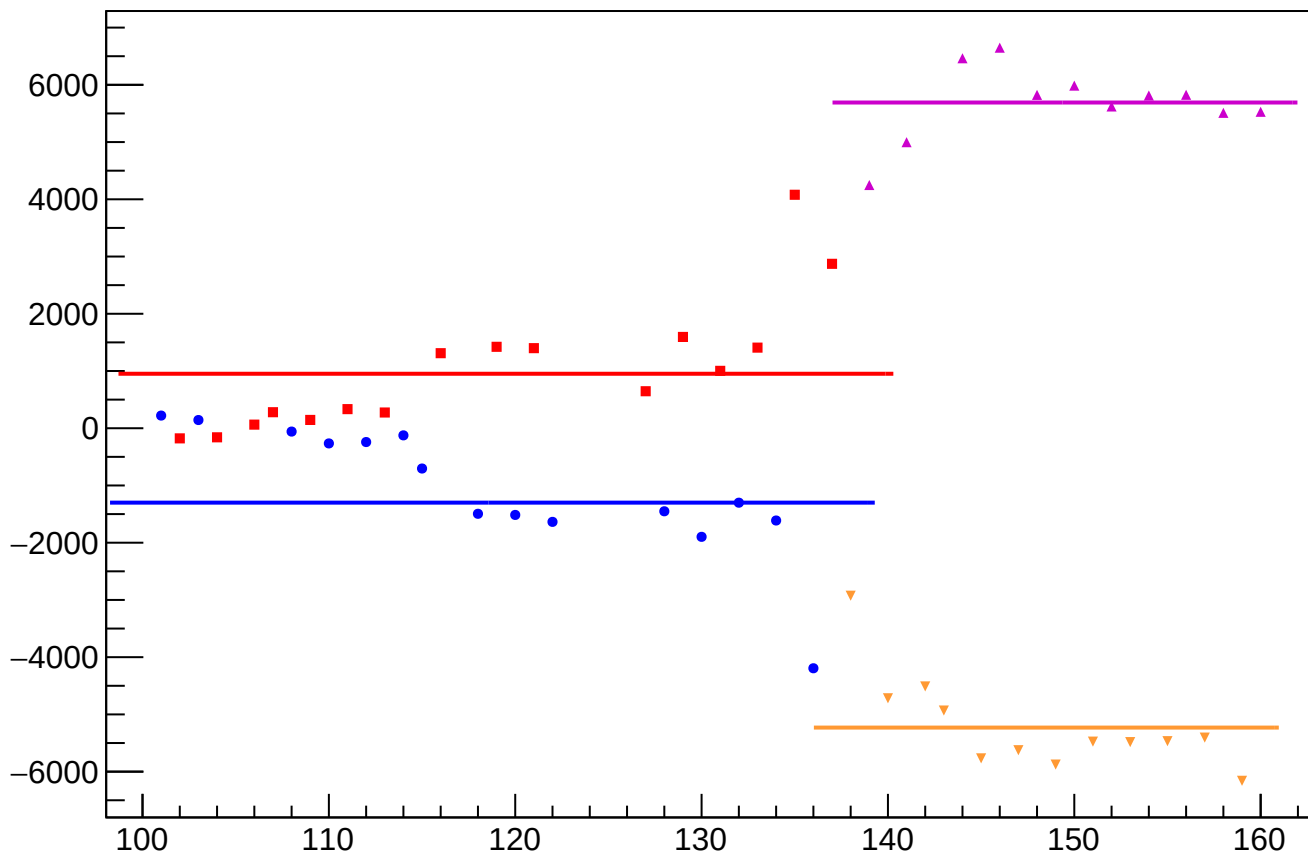
All: 0.094+/-0.000 χ^2/NDF : 18800505371841

dit_sam5_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_sam6_coil3_mean vs Slug, Sign Corrected



Right In: -1299.904+/-0.000

Left Out: -5230.164+/-0.000

Right Out: 951.903+/-0.000

Left In: 5690.941+/-0.000

χ^2/NDF : 1199649252163216367086408691577524322304.0/14

χ^2/NDF : 621337546754048275745011650527081005056.0/11

χ^2/NDF : 841314696863657044174468284217089327104.0/15

χ^2/NDF : 35577462072294886968040460749891436544.0/10

Left: 260.098+/-0.000 χ^2/NDF : 5578029245557142

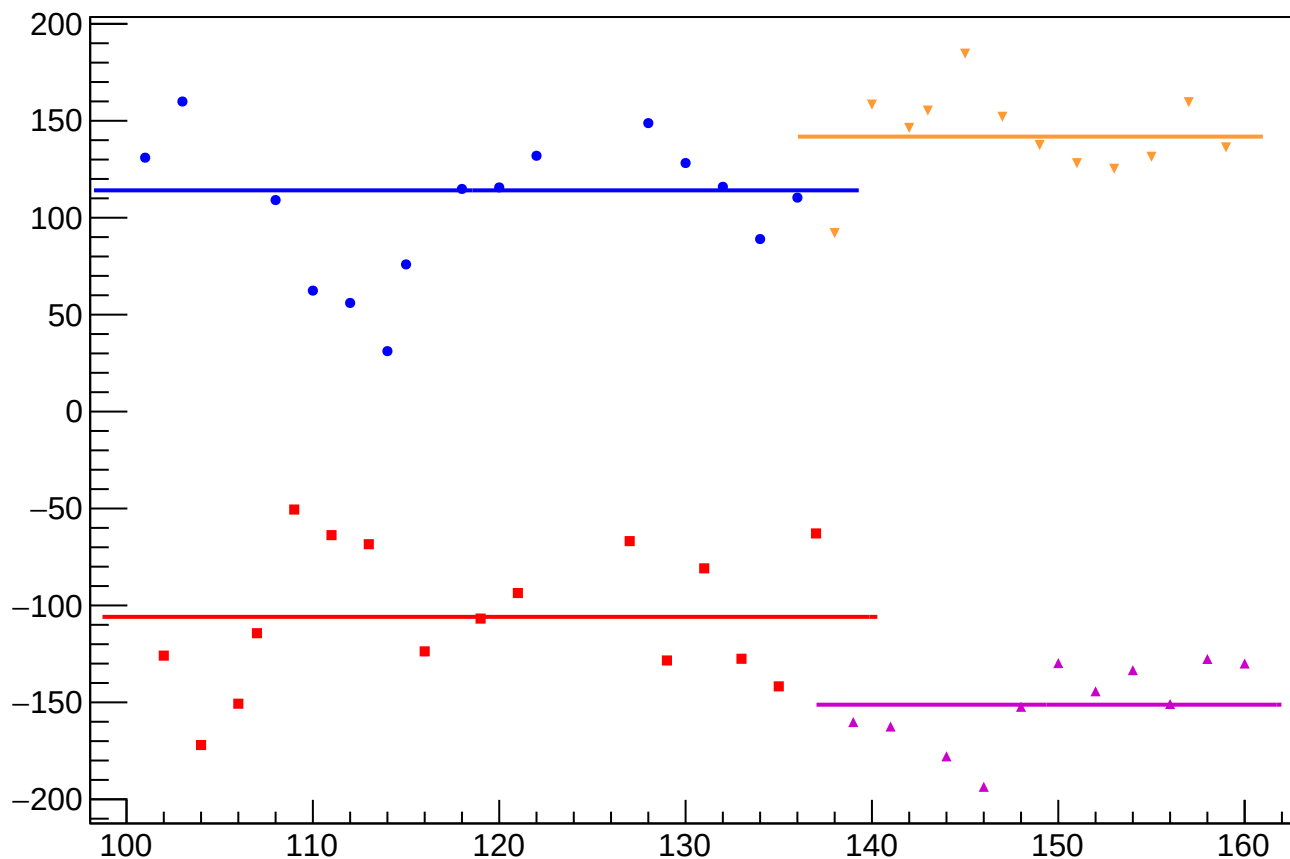
Right: -158.600+/-0.000 χ^2/NDF : 37088904648604

In: 2806.606+/-0.000 χ^2/NDF : 2018689735914814

Out: -2622.043+/-0.000 χ^2/NDF : 16199599941303

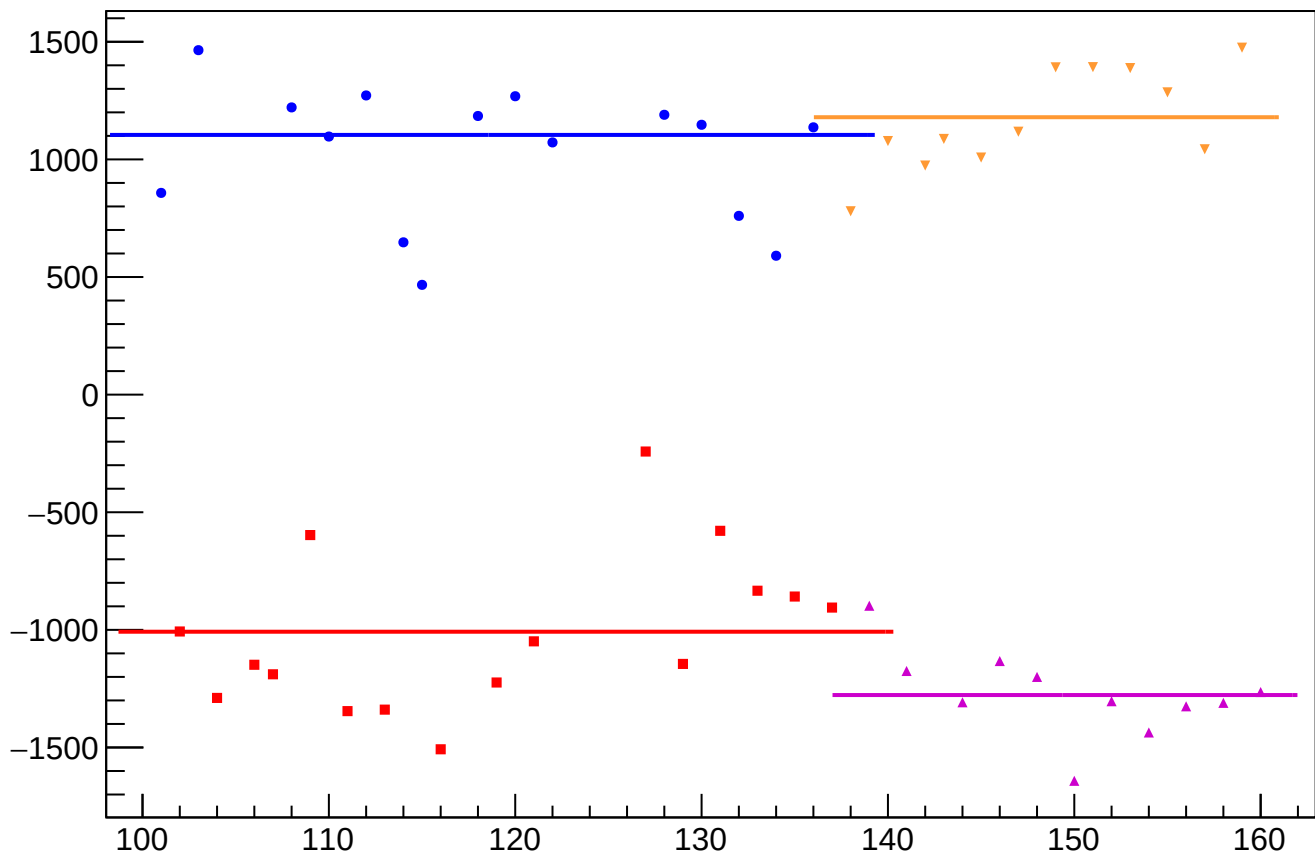
All: 85.397+/-0.000 χ^2/NDF : 5962362698239

dit_sam6_coil3_err_mean vs Slug, Sign Corrected



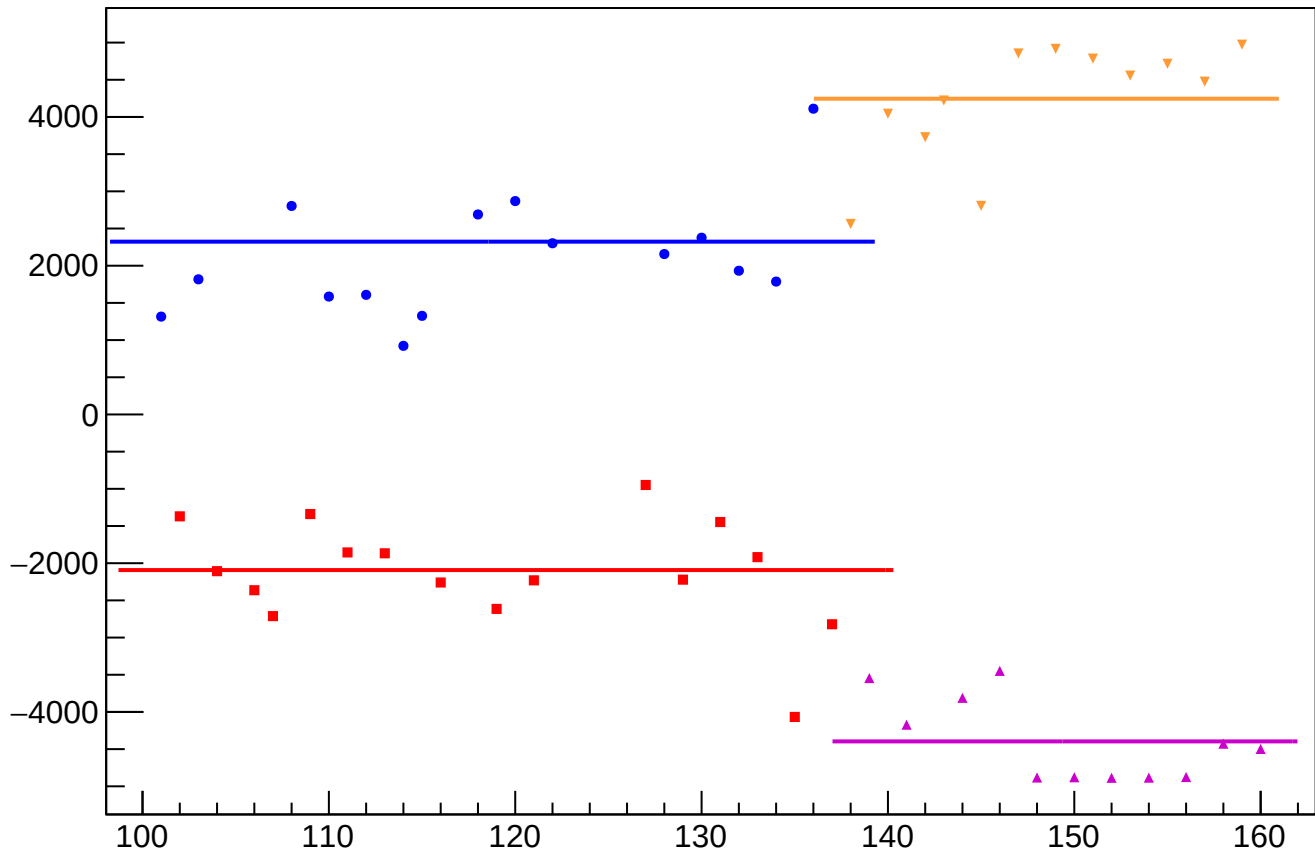
Right In: 114.118 $\pm$ 0.000 χ^2 /NDF: 607226770891525118881736460452495360.0/14
 Left Out: 141.844 $\pm$ 0.000 χ^2 /NDF: 455273254245846333149237795723673600.0/11
 Right Out: -105.890 $\pm$ 0.000 χ^2 /NDF: 851861355270591521058611007535972352.0/15
 Left In: -151.203 $\pm$ 0.000 χ^2 /NDF: 382227652604999337577431549784096768.0/10
 All: -2.103 $\pm$ 0.000 χ^2 /NDF: 5772748991096

dit_sam6_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_sam7_coil3_mean vs Slug, Sign Corrected



Right In: 2323.372+/-0.000

χ^2/NDF : 476371189888349375964725620757728591872.0/14

Left Out: 4245.269+/-0.000

χ^2/NDF : 560100037882540295630660663570463719424.0/11

Right Out: -2092.458+/-0.000

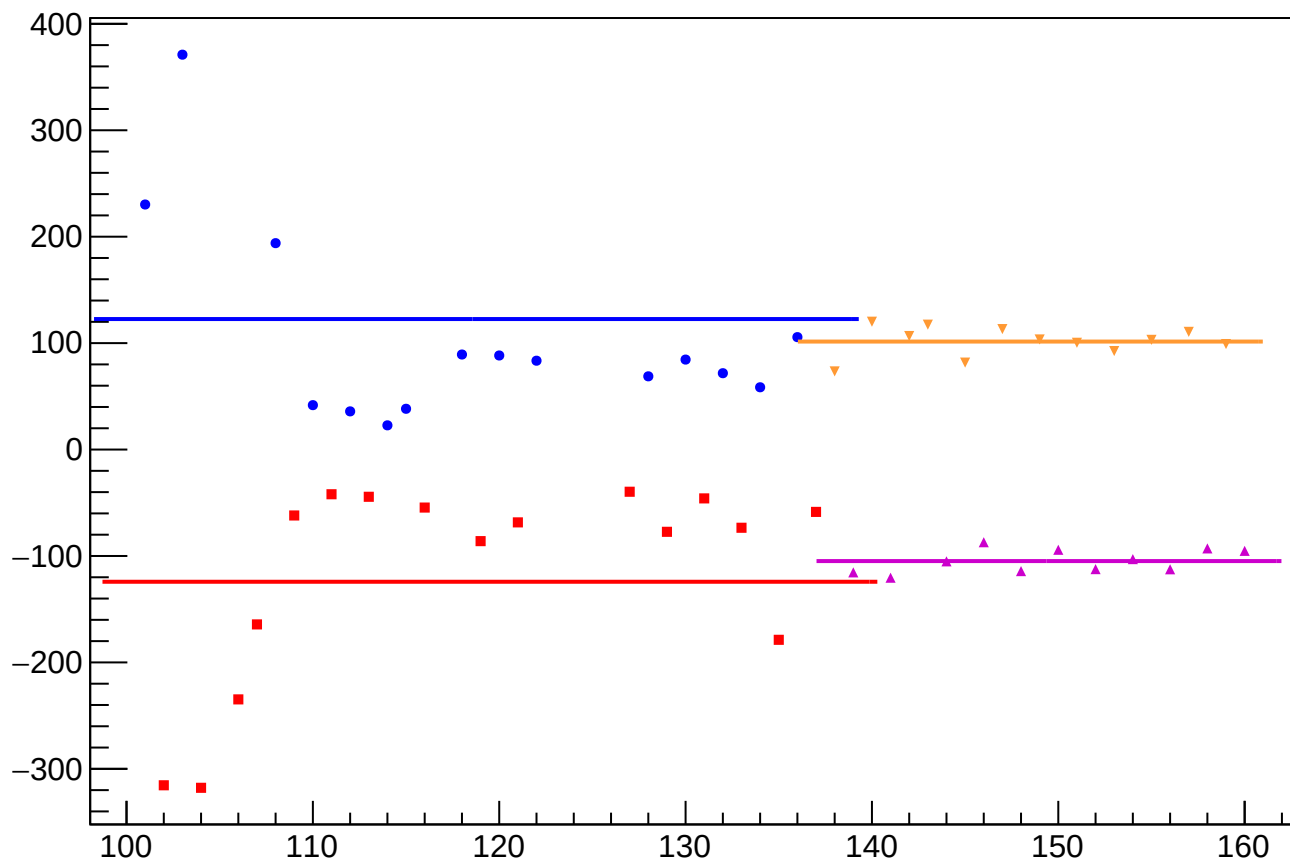
χ^2/NDF : 367126080872166122663684022473339174912.0/15

Left In: -4396.069+/-0.000

χ^2/NDF : 270326441631367265143713722564756897792.0/10

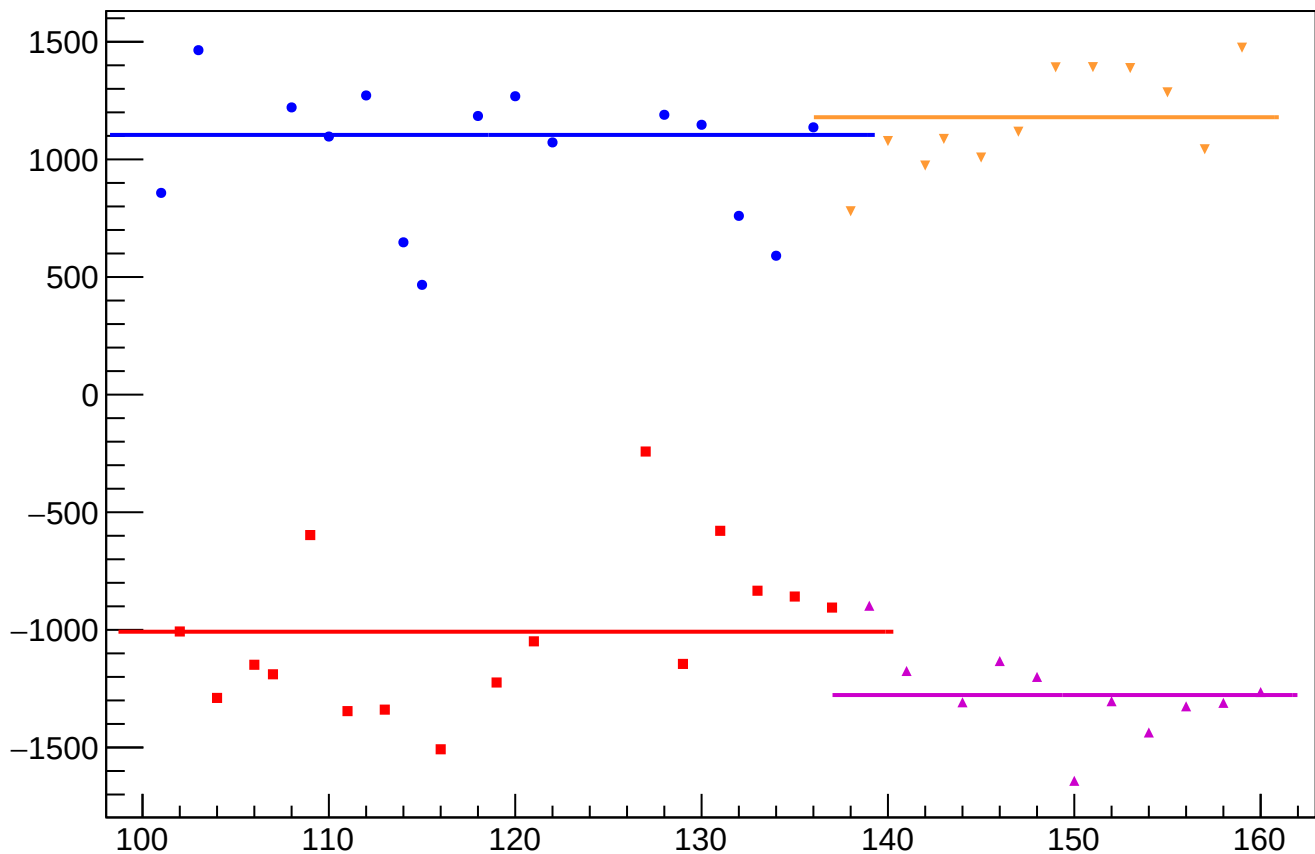
All: -22.065+/-0.000 χ^2/NDF : 424251896737

dit_sam7_coil3_err_mean vs Slug, Sign Corrected



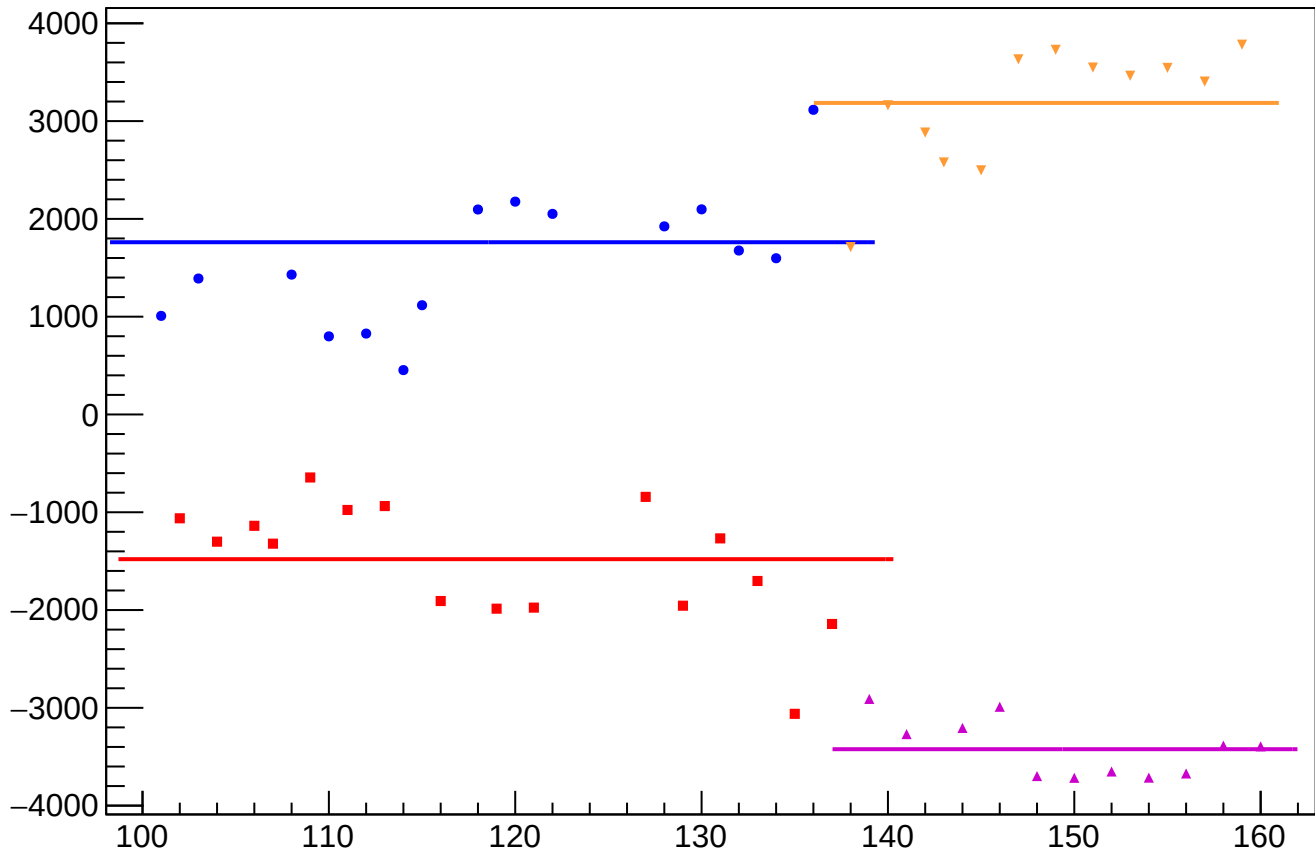
Right In: 122.622+/-0.000 χ^2/NDF : 5937504661187691145903235842749497344.0/14
 Left Out: 101.470+/-0.000 χ^2/NDF : 163606586609215515174601139620413440.0/11
 Right Out: -124.216+/-0.000 χ^2/NDF : 6549627589629012958791202941129719808.0/15
 Left In: -104.786+/-0.000 χ^2/NDF : 102013785381333837493435451846950912.0/10
 All: -2.330+/-0.000 χ^2/NDF : 5234216215941

dit_sam7_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 $\pm$ 0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2/NDF : 441608022845

dit_sam8_coil3_mean vs Slug, Sign Corrected



Right In: 1761.245+/-0.000

χ^2/NDF : 332206925976055306953064744993096204288.0/14

Left Out: 3185.925+/-0.000

χ^2/NDF : 334945906452981161805339150604505710592.0/11

Right Out: -1479.801+/-0.000

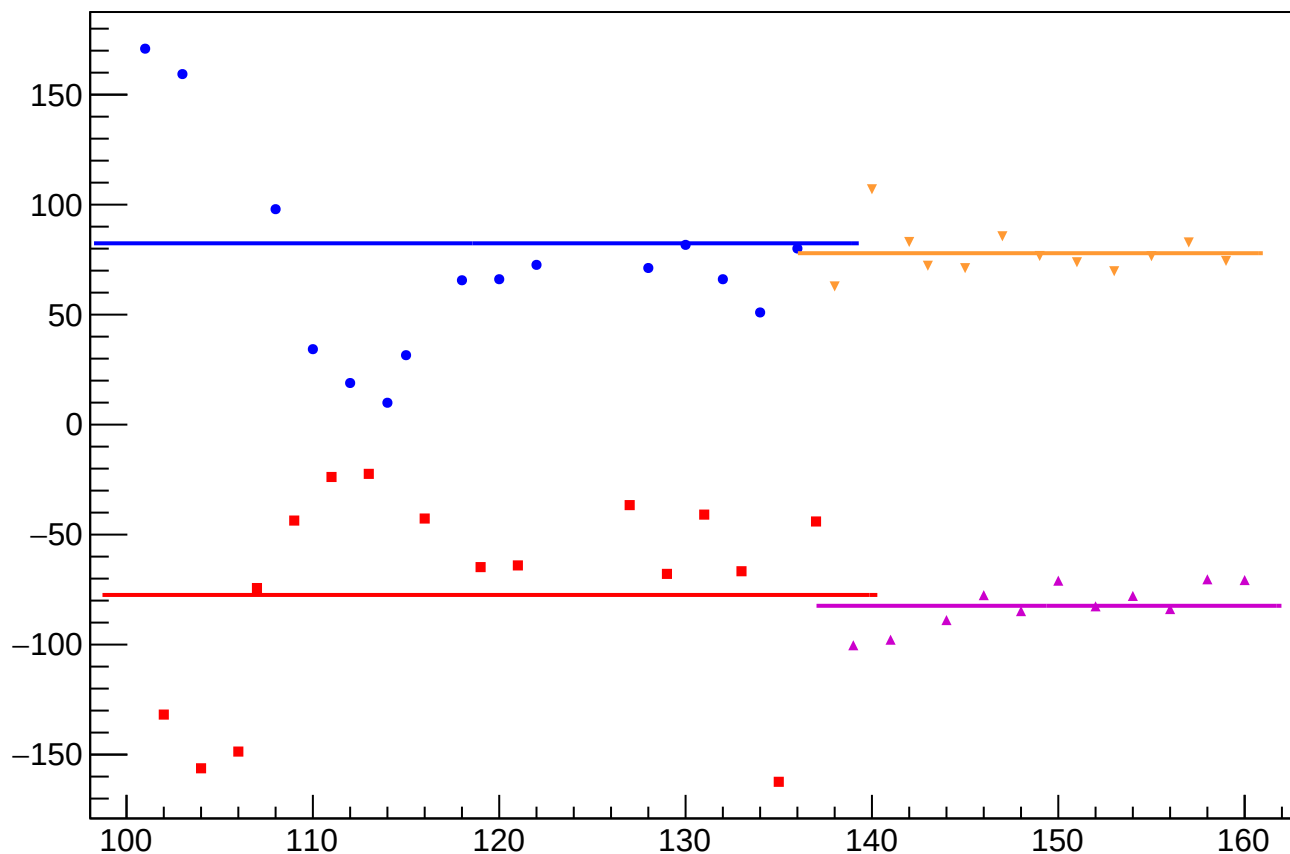
χ^2/NDF : 263467768134780968832551238609236131840.0/15

Left In: -3423.018+/-0.000

χ^2/NDF : 7453703884208882463869581727568494592.0/10

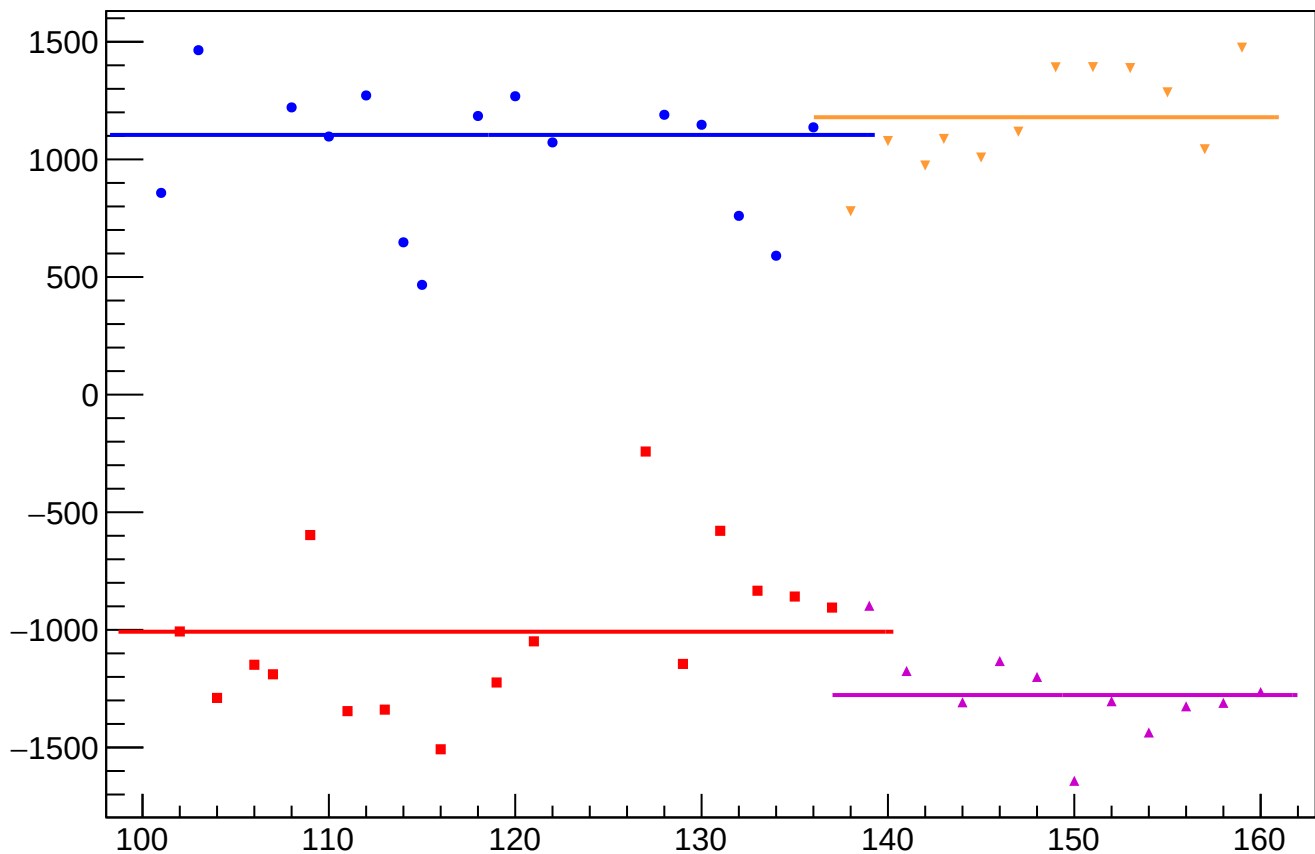
All: -30.093+/-0.000 χ^2/NDF : 245798533014

dit_sam8_coil3_err_mean vs Slug, Sign Corrected



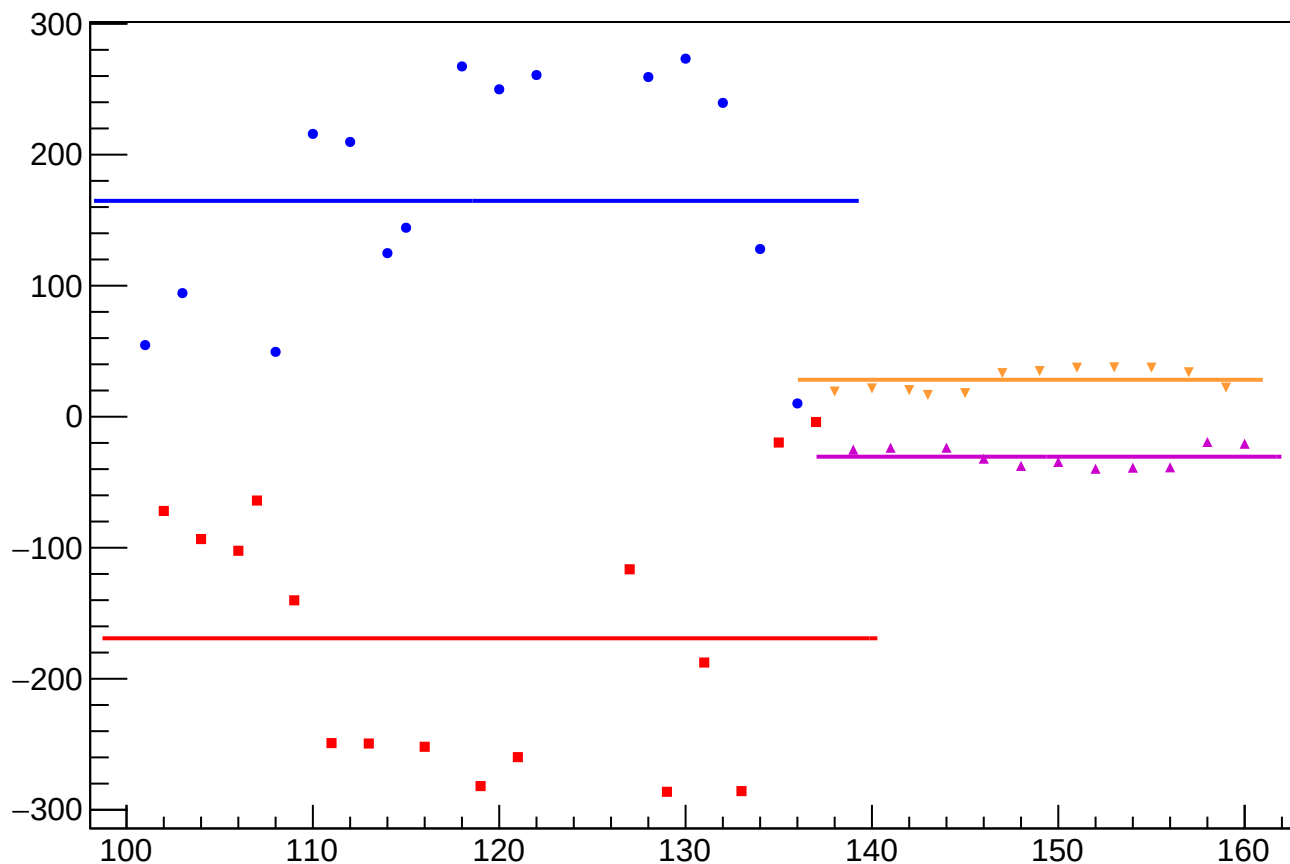
Right In: 82.422+/-0.000 χ^2/NDF : 1263633347129443757477527241185296384.0/14
 Left Out: 77.927+/-0.000 χ^2/NDF : 108816585289567770159719515210907648.0/11
 Right Out: -77.430+/-0.000 χ^2/NDF : 1515456409368458038568290276111024128.0/15
 Left In: -82.361+/-0.000 χ^2/NDF : 88160536769186096496846966890692608.0/10
 All: -0.961+/-0.000 χ^2/NDF : 2319921906530

dit_sam8_coil3_Ndata_mean vs Slug, Sign Corrected



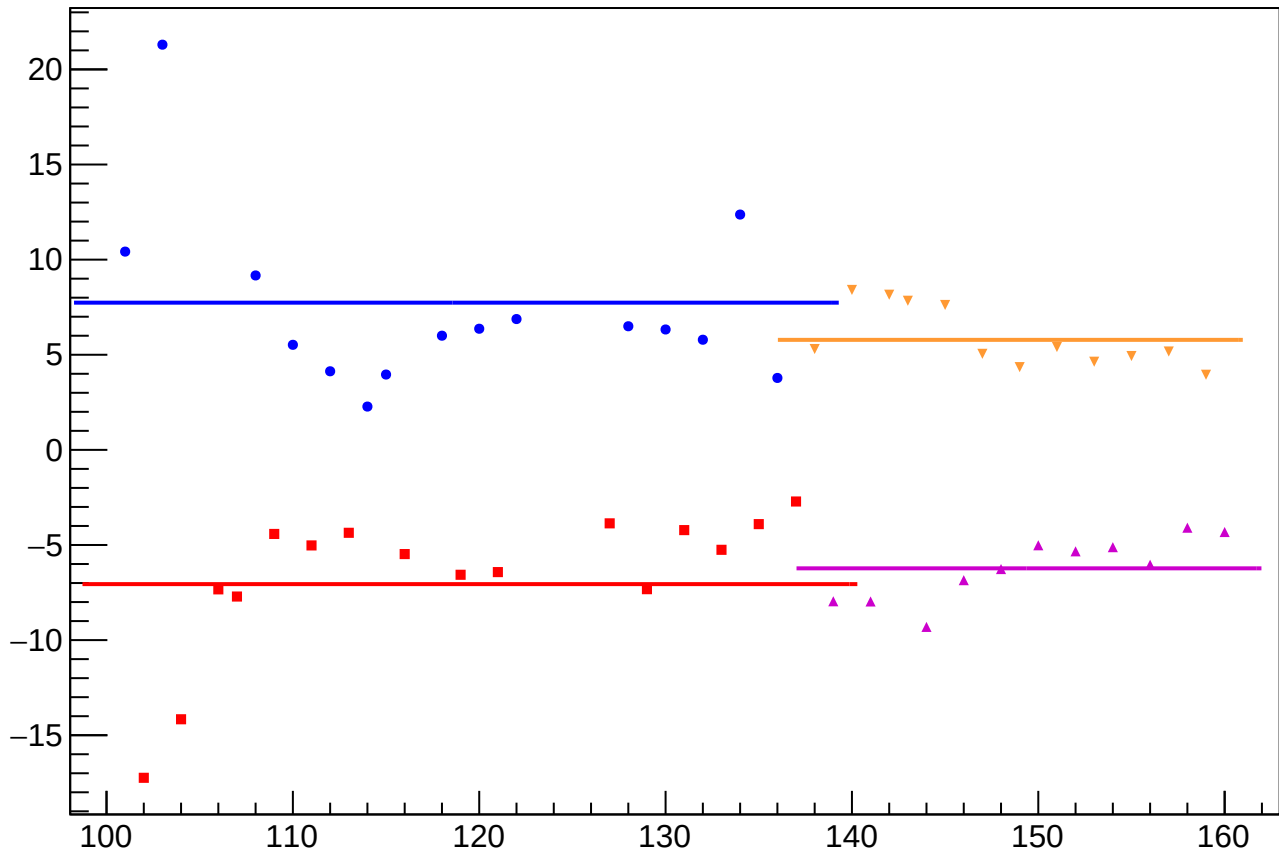
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_4aX_coil7_mean vs Slug, Sign Corrected



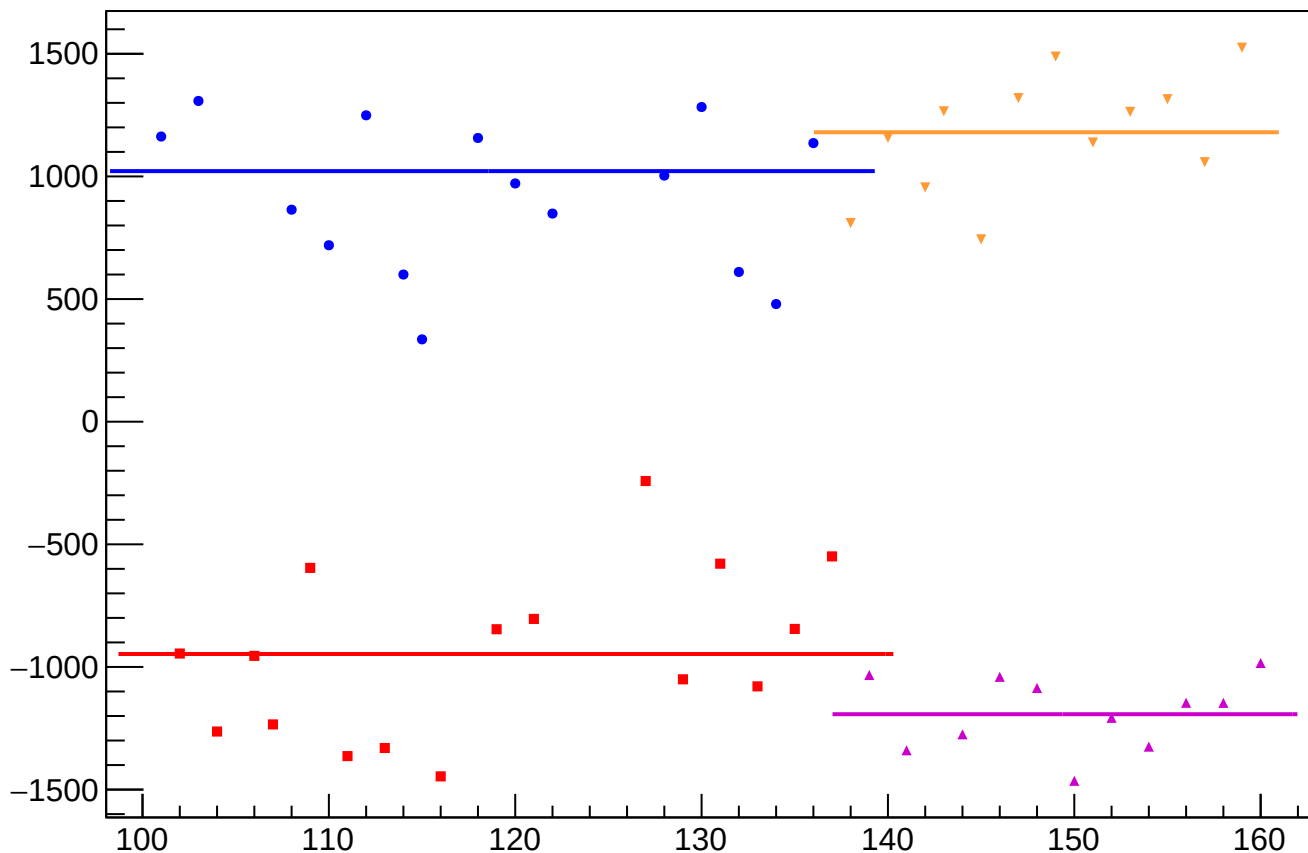
Left: -1.317 ± 0.000 $\chi^2/\text{NDF}: 16978934081589781$
 Right In: 164.752 ± 0.000 $\chi^2/\text{NDF}: 6369828943181833917425699916554960896.0/14$
 Left Out: 28.192 ± 0.000 $\chi^2/\text{NDF}: 62073928949862768083975059378536448.0/11$
 Right Out: -169.108 ± 0.000 $\chi^2/\text{NDF}: 6040721802042936822766910687819071488.0/15$
 In: 50.054 ± 0.000 $\chi^2/\text{NDF}: 209572439496556085$
 Out: -55.045 ± 0.000 $\chi^2/\text{NDF}: 2111323920107624$
 Left In: -30.507 ± 0.000 $\chi^2/\text{NDF}: 52600700148274049801586699671699456.0/10$
 All: -2.629 ± 0.000 $\chi^2/\text{NDF}: 5078015592202$

dit_4aX_coil7_err_mean vs Slug, Sign Corrected



Right In: 7.738 $\pm$ 0.000 χ^2 /NDF: 15127215479234506007469492768079872.0/14
 Left Out: 5.783 $\pm$ 0.000 χ^2 /NDF: 2082103650411209995862519006101504.0/11
 Right Out: -7.057 $\pm$ 0.000 χ^2 /NDF: 11292441204139394792341242753581056.0/15
 Left In: -6.228 $\pm$ 0.000 χ^2 /NDF: 2331911751655733809355489024147456.0/10
 All: -0.049 $\pm$ 0.000 χ^2 /NDF: 1693113496789

dit_4aX_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

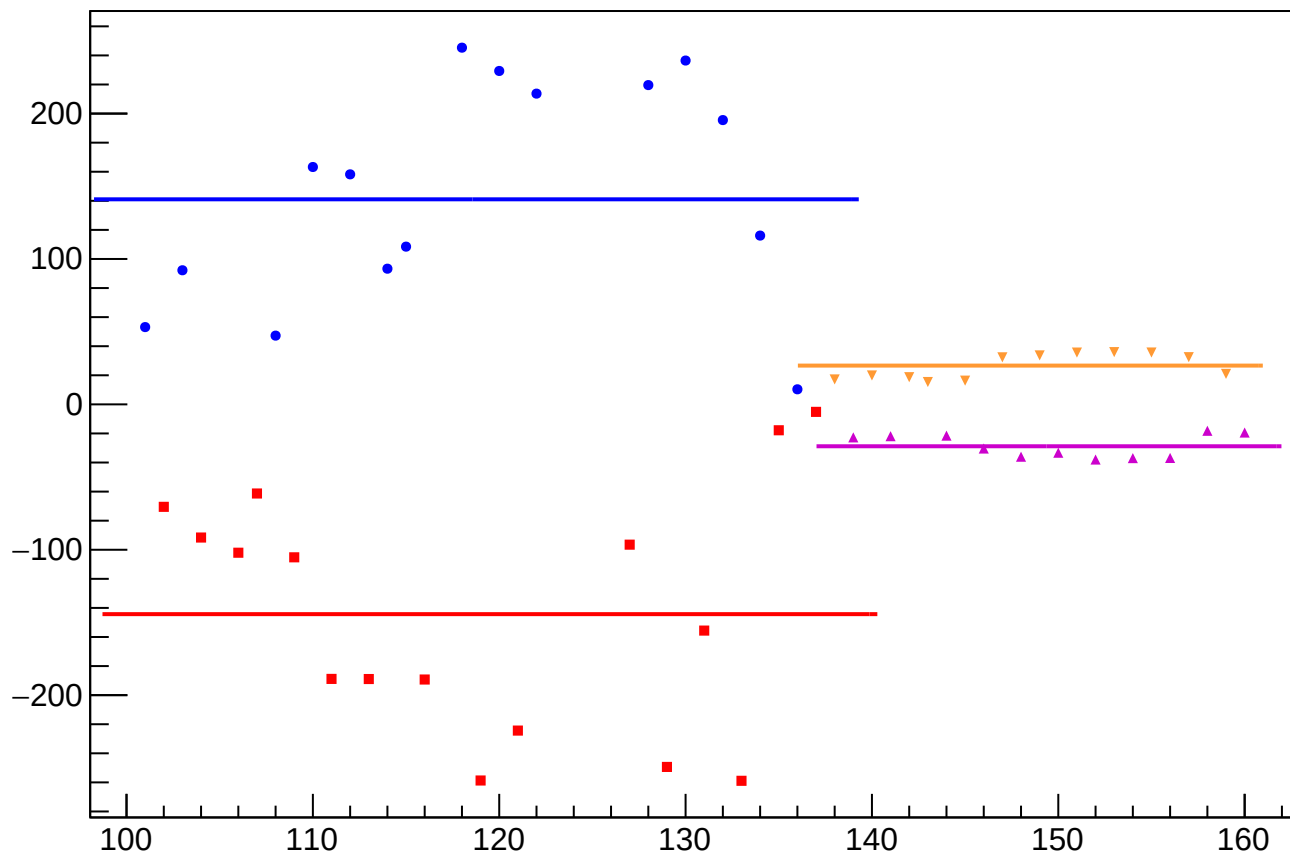
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

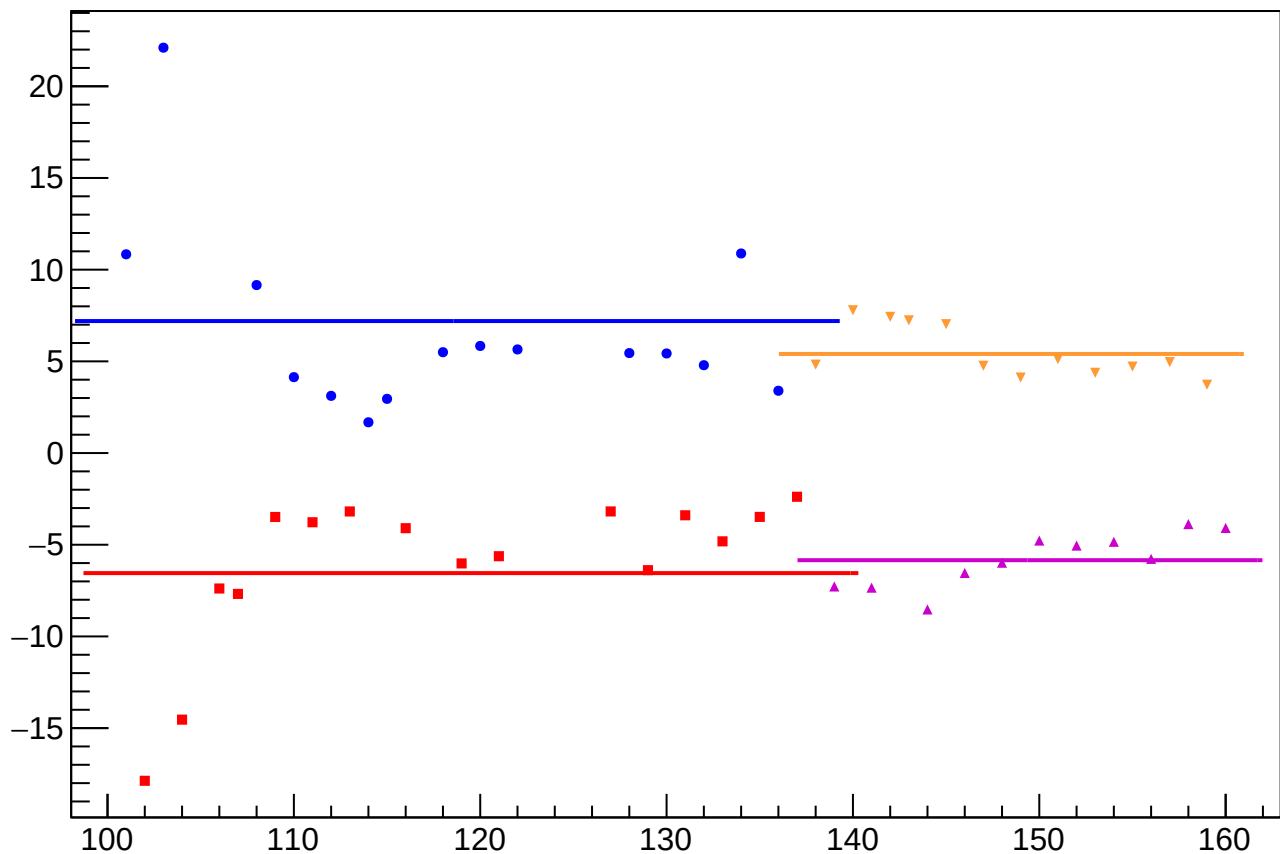
All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_4eX_coil7_mean vs Slug, Sign Corrected



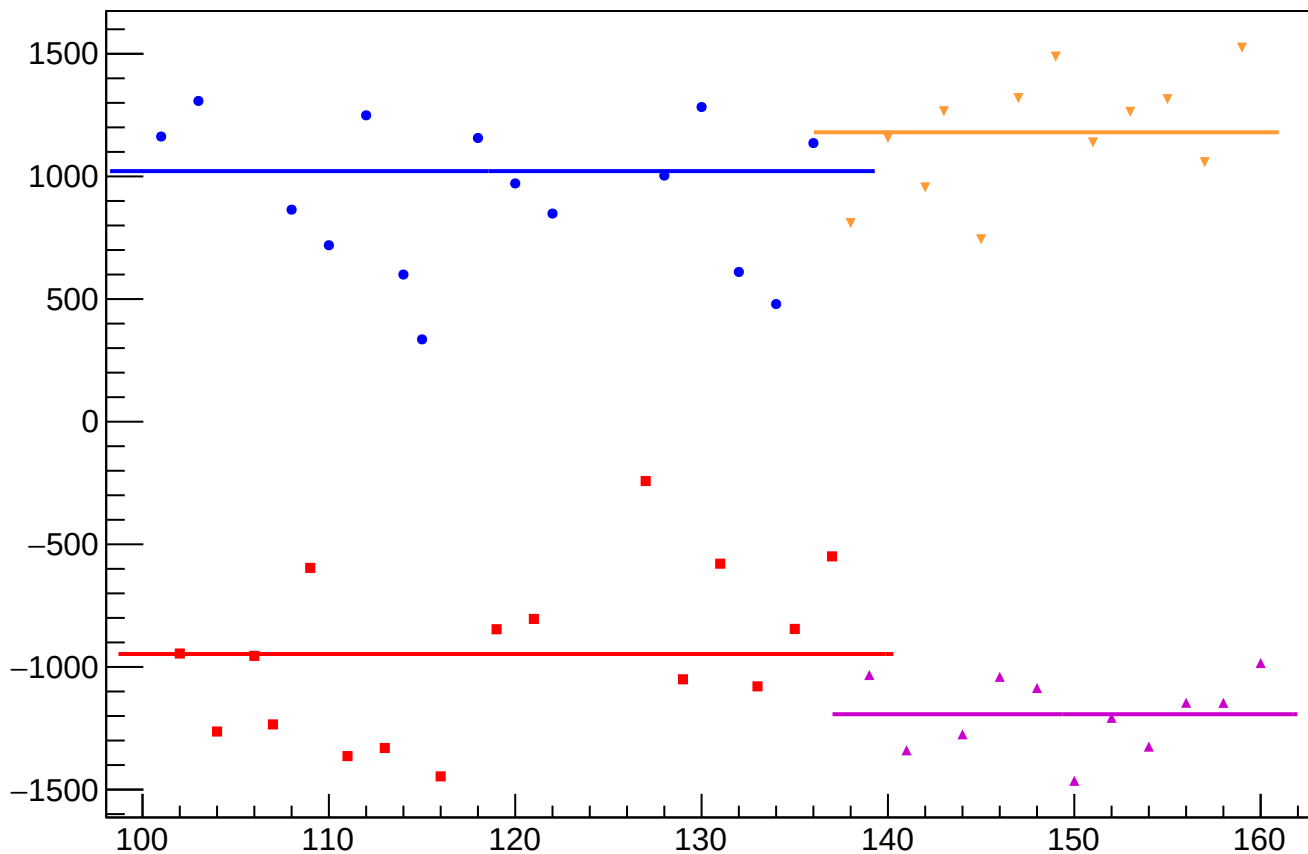
Left: -1.225 ± 0.000 $\chi^2/\text{NDF}: 15294237123103654$
 Right In: 141.032 ± 0.000 $\chi^2/\text{NDF}: 4507992585512923332587415612245934080.0/14$
 Left Out: 26.669 ± 0.000 $\chi^2/\text{NDF}: 62522343114115856238629096966324224.0/11$
 Right Out: -144.283 ± 0.000 $\chi^2/\text{NDF}: 4268333571517740886065361663928827904.0/15$
 In: 41.261 ± 0.000 $\chi^2/\text{NDF}: 155582029133540229$
 Out: -45.453 ± 0.000 $\chi^2/\text{NDF}: 1559993230161443$
 Left In: -28.817 ± 0.000 $\chi^2/\text{NDF}: 52309797532132393990553277307027456.0/10$
 All: -2.206 ± 0.000 $\chi^2/\text{NDF}: 3708705323759$

dit_4eX_coil7_err_mean vs Slug, Sign Corrected



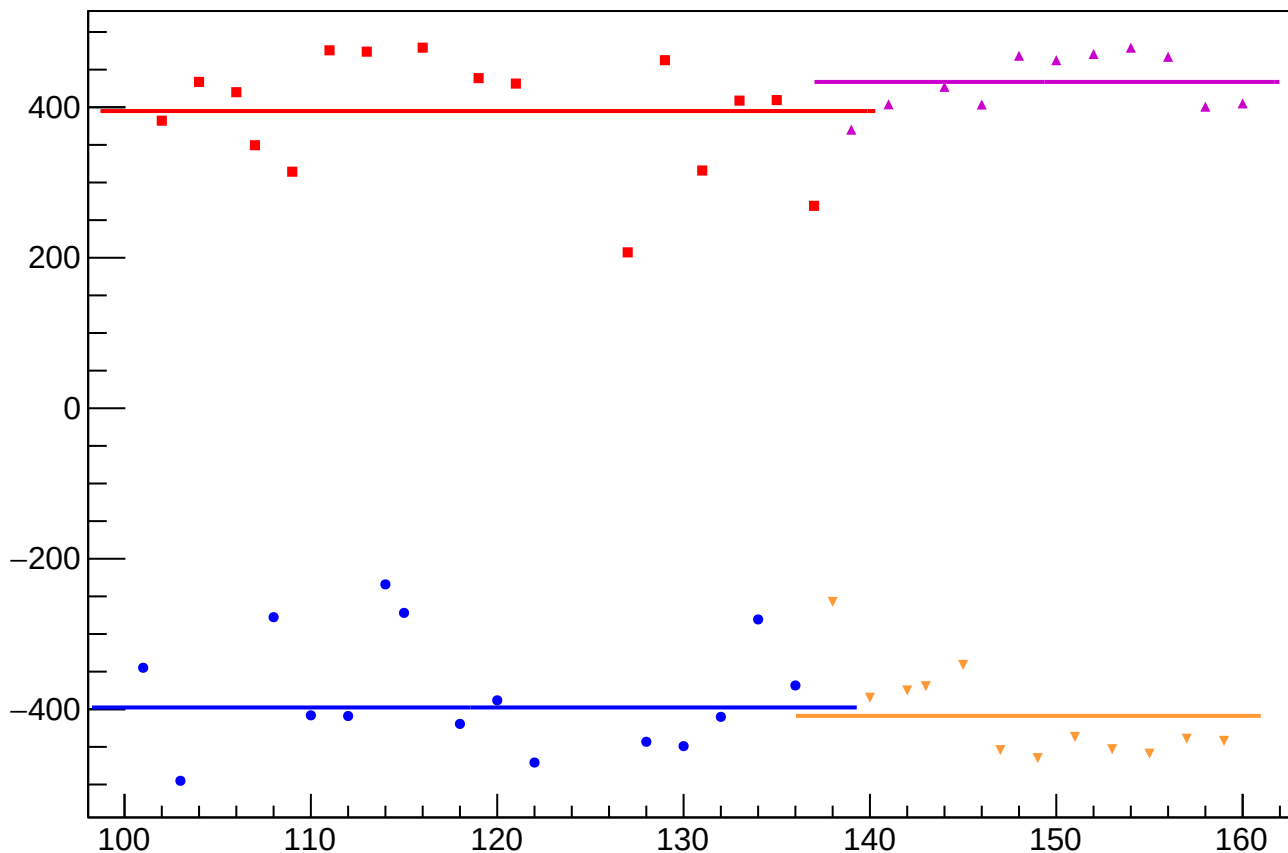
Left: -0.250 ± 0.000 χ^2/NDF : 61618141302730381
 Right In: 7.198 ± 0.000 χ^2/NDF : 18212640728502785337831966963138560.0/14
 Right: 0.232 ± 0.000 χ^2/NDF : 94430884745367791
 Left Out: 5.404 ± 0.000 χ^2/NDF : 1657476673222734549536062415306752.0/11
 In: -0.463 ± 0.000 χ^2/NDF : 848816588920174735
 Right Out: -6.547 ± 0.000 χ^2/NDF : 14078912505116068936230809834094592.0/15
 Out: 0.362 ± 0.000 χ^2/NDF : 708086439927032717
 Left In: -5.843 ± 0.000 χ^2/NDF : 1832786837102707862400537806766080.0/10
 All: -0.049 ± 0.000 χ^2/NDF : 1562270252344

dit_4eX_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000	χ^2/NDF : 40493101470870278397836276403592495104.0/14	Left: -12.747+/-0.000	χ^2/NDF : 2657013306605046
Left Out: 1180.103+/-0.000	χ^2/NDF : 50788606804690292724539730503787347968.0/11	Right: 23.805+/-0.000	χ^2/NDF : 1383338523153511
Right Out: -947.145+/-0.000	χ^2/NDF : 67784656011936521511169668028018196480.0/15	In: -279.065+/-0.000	χ^2/NDF : 1929090788254319
Left In: -1192.687+/-0.000	χ^2/NDF : 19255287383728205662654022867381911552.0/10	Out: 282.649+/-0.000	χ^2/NDF : 1863497273761245
	All: 2.504+/-0.000	χ^2/NDF : 40413764320356	

dit_11X12X_coil7_mean vs Slug, Sign Corrected



Right In: -397.613+/-0.000

Left Out: -408.794+/-0.000

Right Out: 394.973+/-0.000

Left In: 433.664+/-0.000

χ^2/NDF : 2661280785384633207096106229474263040.0/14

χ^2/NDF : 3366573213961692909439105040404971520.0/11

χ^2/NDF : 3685595513427183501596165280874102784.0/15

χ^2/NDF : 1198237421385461104687495484599697408.0/10

Left: 14.727+/-0.000 χ^2/NDF : 3306788770143985

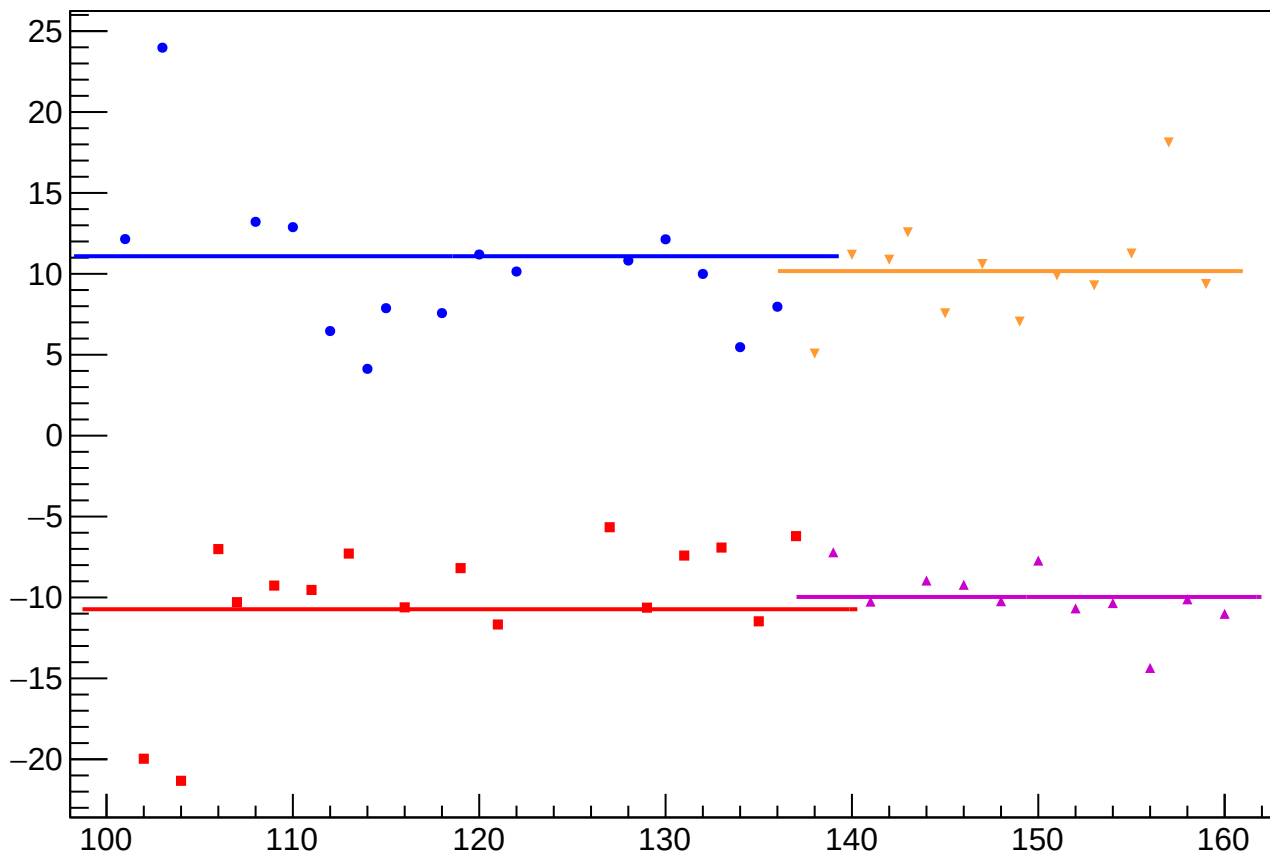
Right: 4.100+/-0.000 χ^2/NDF : 21298342988437283

In: 90.690+/-0.000 χ^2/NDF : 267298439260479340

Out: -69.697+/-0.000 χ^2/NDF : 2561673028781217

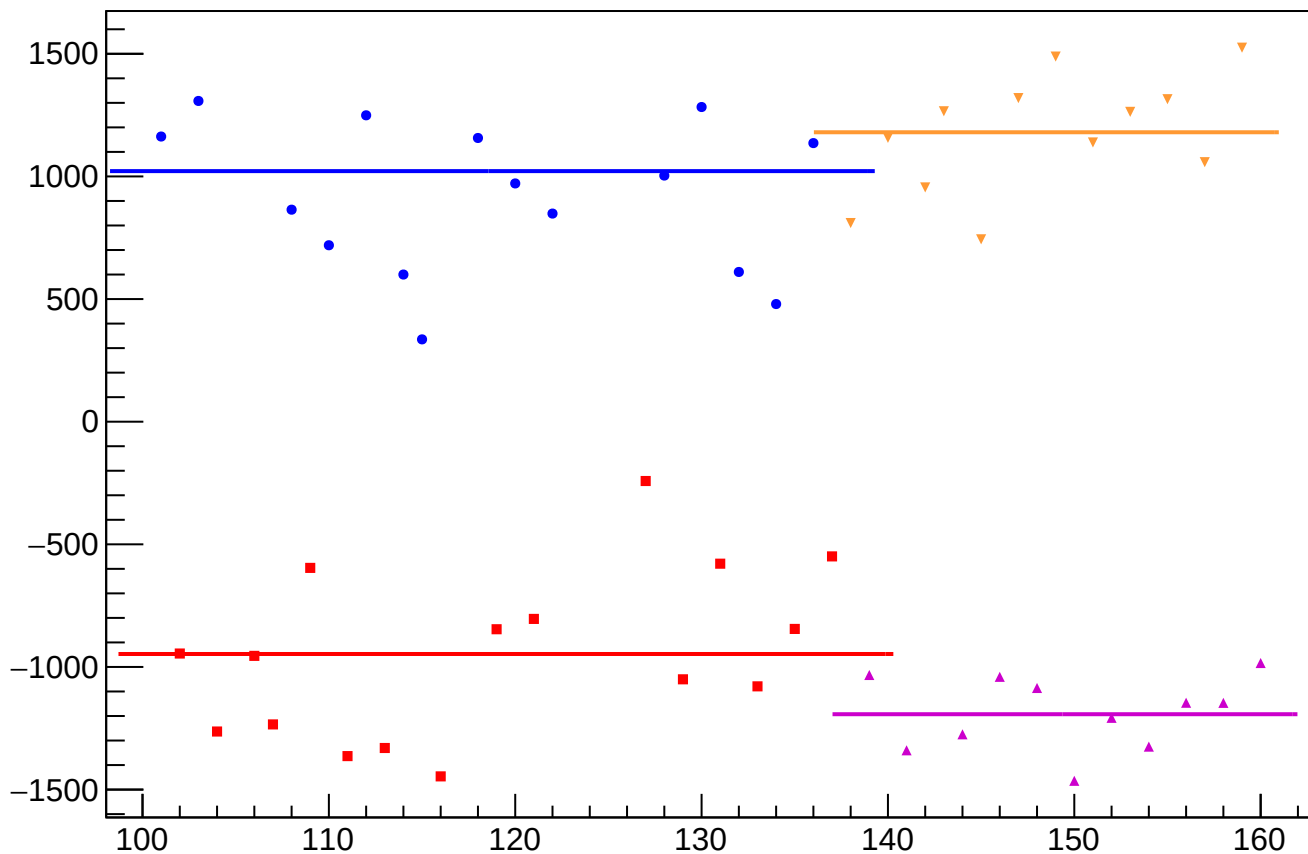
All: 10.293+/-0.000 χ^2/NDF : 5437489116587

dit_11X12X_coil7_err_mean vs Slug, Sign Corrected



Right In: 11.089 ± 0.000 $\chi^2/\text{NDF}: 14235991122014984478163351266918400.0/14$
 Left Out: 10.171 ± 0.000 $\chi^2/\text{NDF}: 9089684940831859823552687731900416.0/11$
 Right Out: -10.728 ± 0.000 $\chi^2/\text{NDF}: 14767238290725260908081124437131264.0/15$
 Left In: -9.968 ± 0.000 $\chi^2/\text{NDF}: 2905664542402179840795878184976384.0/10$
 All: 0.040 ± 0.000 $\chi^2/\text{NDF}: 38392284563118$

dit_11X12X_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

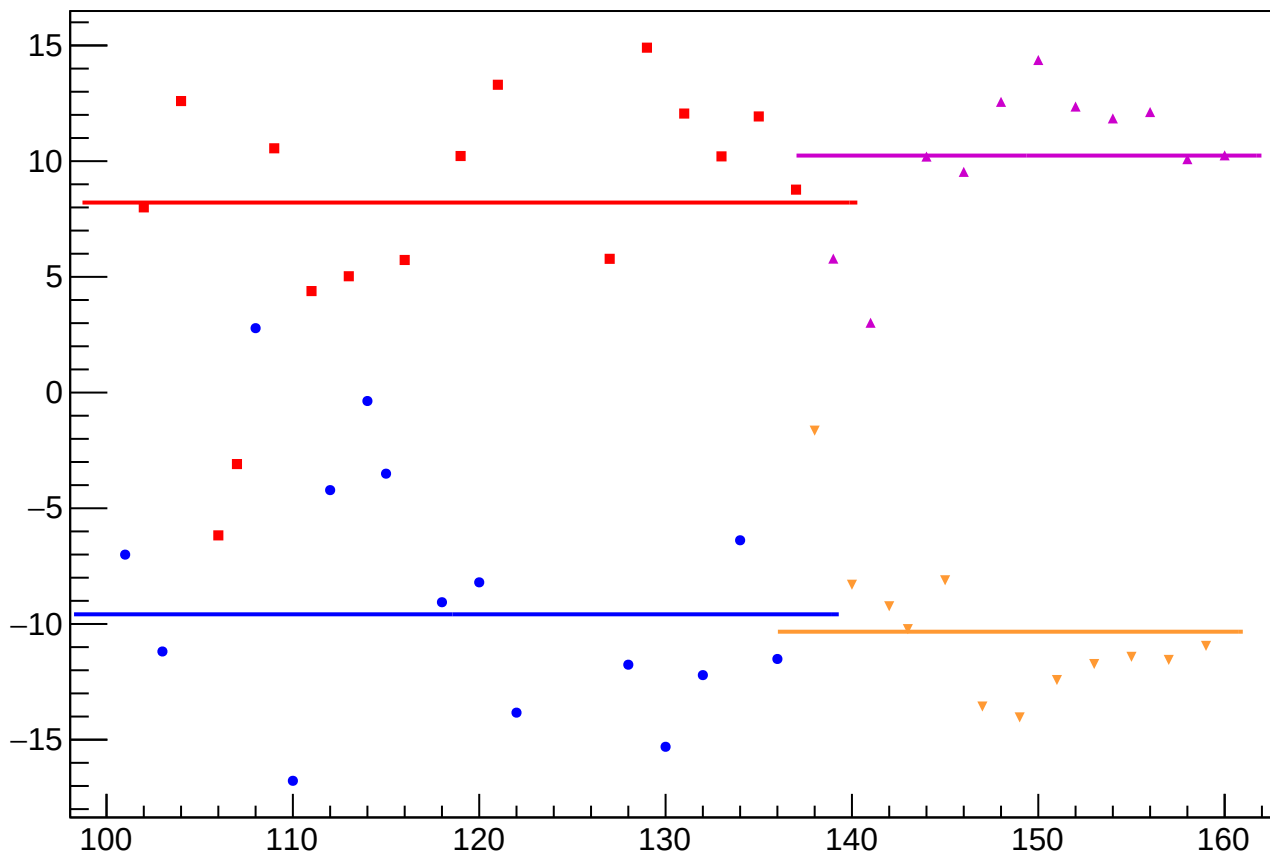
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_4aY_coil7_mean vs Slug, Sign Corrected



Right In: -9.582 ± 0.000

Left Out: -10.333 ± 0.000

Right Out: 8.211 ± 0.000

Left In: 10.241 ± 0.000

χ^2/NDF : 14702679983940002820806471963377664.0/14

χ^2/NDF : 9377692425026365375047041474887680.0/11

χ^2/NDF : 18304237293835961465605754204454912.0/15

χ^2/NDF : 8992829088408430483485977772818432.0/10

Left: 0.010 ± 0.000 χ^2/NDF : 212884271856614194

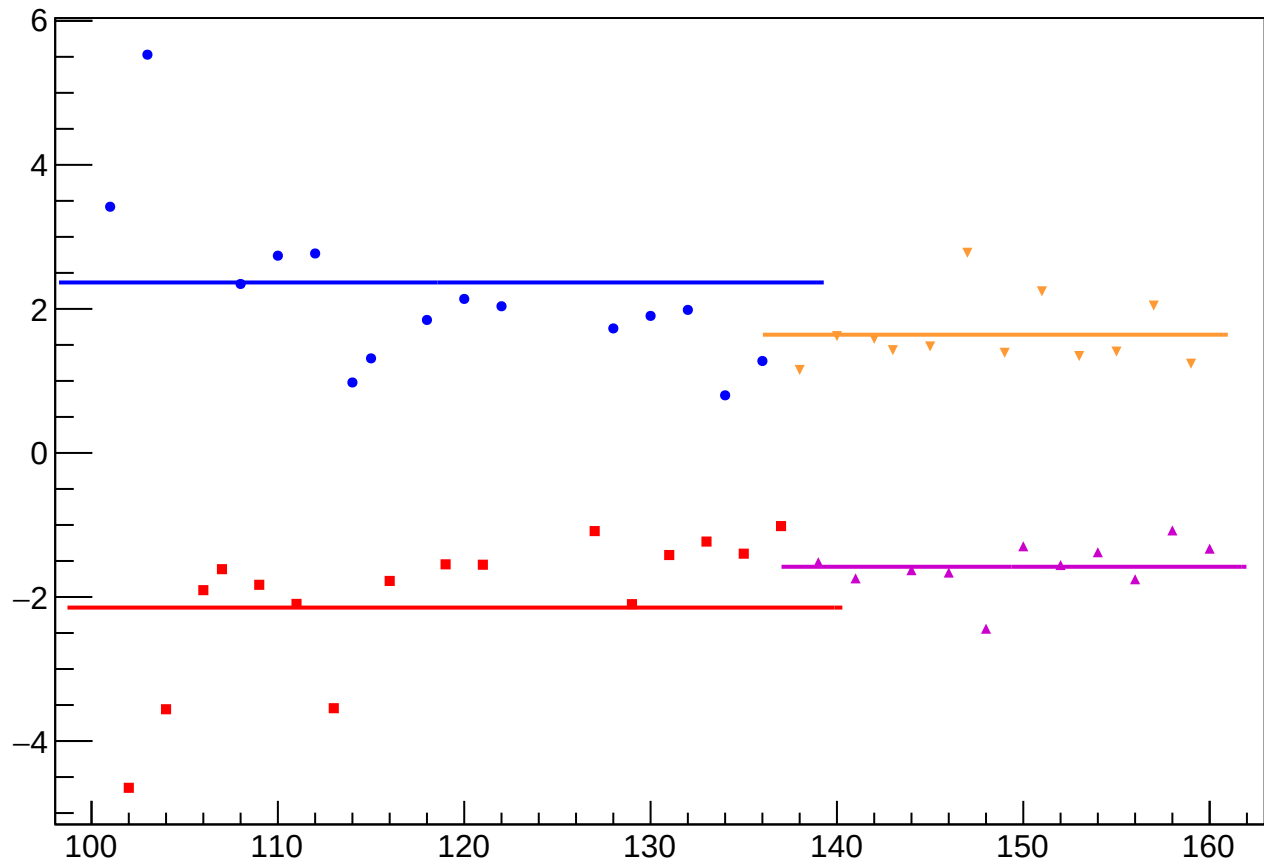
Right: -0.564 ± 0.000 χ^2/NDF : 1371493250181668

In: 2.062 ± 0.000 χ^2/NDF : 1735093437250268156

Out: -2.510 ± 0.000 χ^2/NDF : 16029265277756400

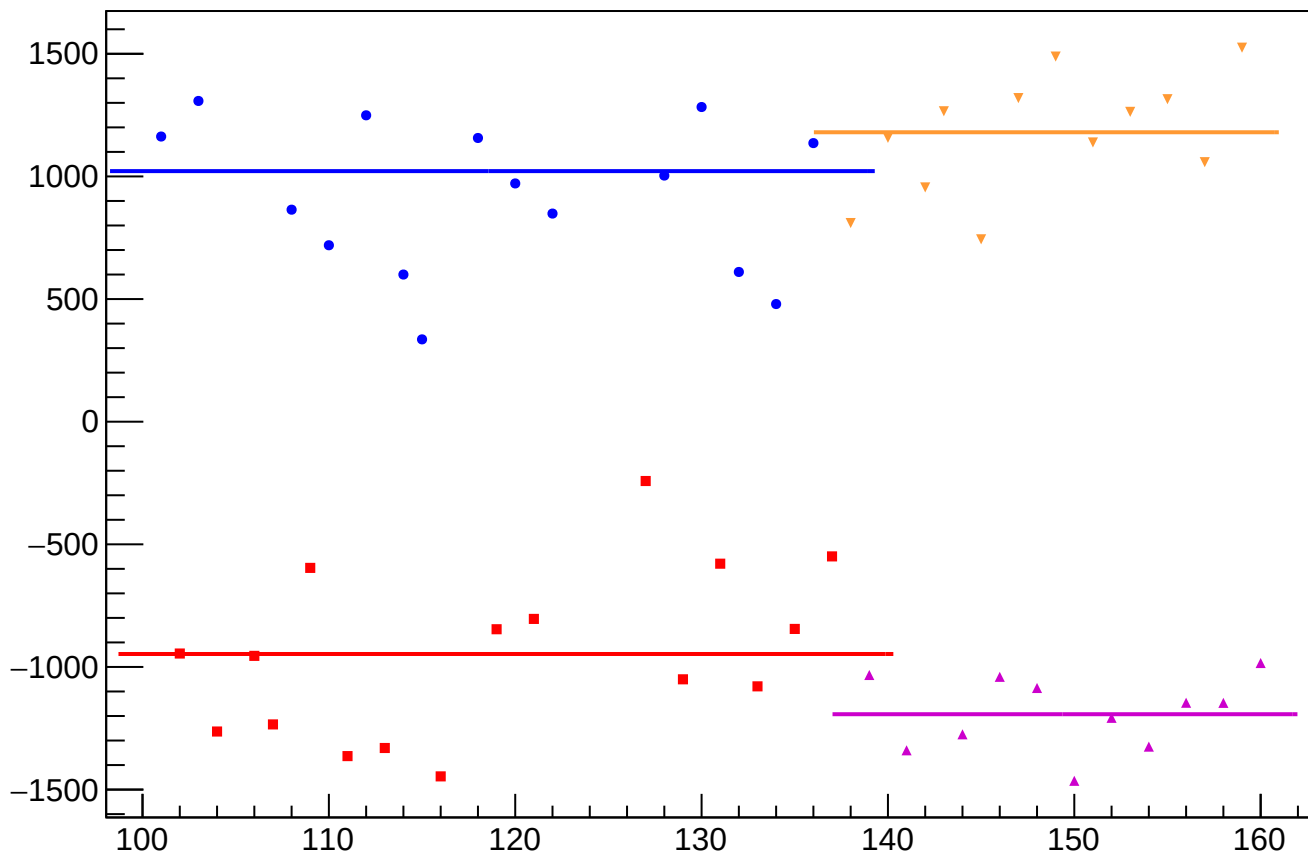
All: -0.229 ± 0.000 χ^2/NDF : 3502860386482

dit_4aY_coil7_err_mean vs Slug, Sign Corrected



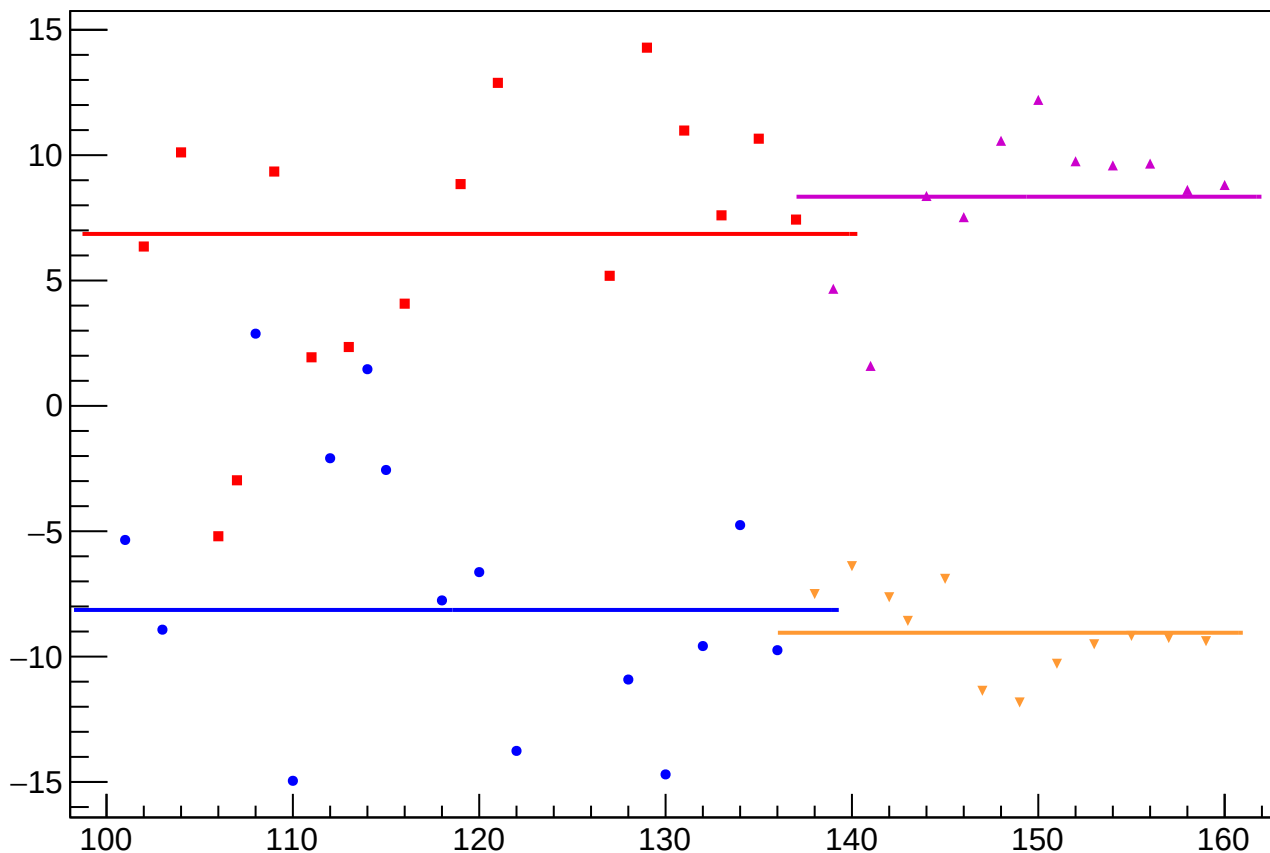
Right In: 2.367 ± 0.000 $\chi^2/\text{NDF}: 920633294546152876922066767446016.0/14$
 Left Out: 1.642 ± 0.000 $\chi^2/\text{NDF}: 195842148226043527039909915262976.0/11$
 Right Out: -2.147 ± 0.000 $\chi^2/\text{NDF}: 764171992480224478656127555338240.0/15$
 Left In: -1.580 ± 0.000 $\chi^2/\text{NDF}: 104159820106689813353171792166912.0/10$
 All: 0.046 ± 0.000 $\chi^2/\text{NDF}: 13461521258222$

dit_4aY_coil7_Ndata_mean vs Slug, Sign Corrected



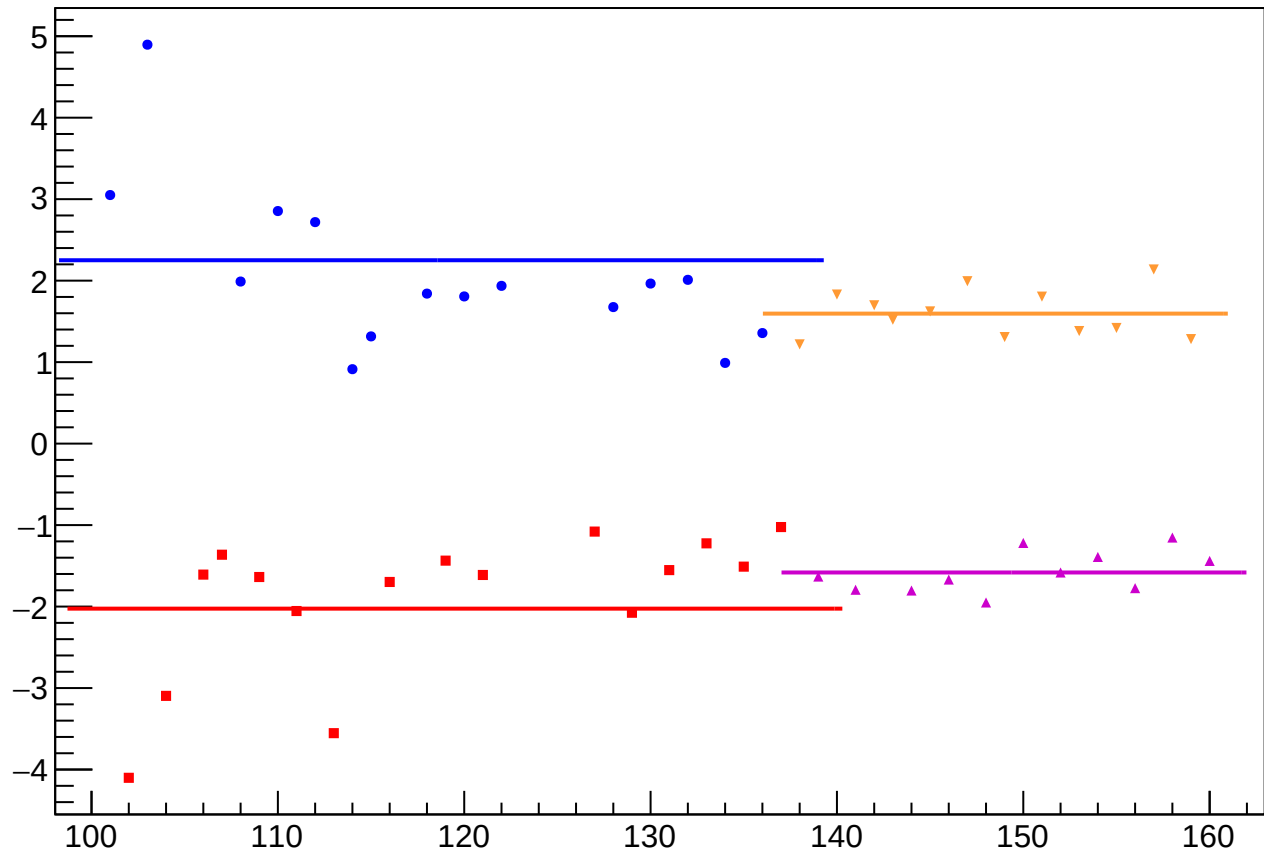
Right In: 1021.684+/-0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Left Out: 1180.103+/-0.000 χ^2/NDF : 50788606804690292724539730503787347968.0/11
 Right Out: -947.145+/-0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Left In: -1192.687+/-0.000 χ^2/NDF : 19255287383728205662654022867381911552.0/10
 All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_4eY_coil7_mean vs Slug, Sign Corrected



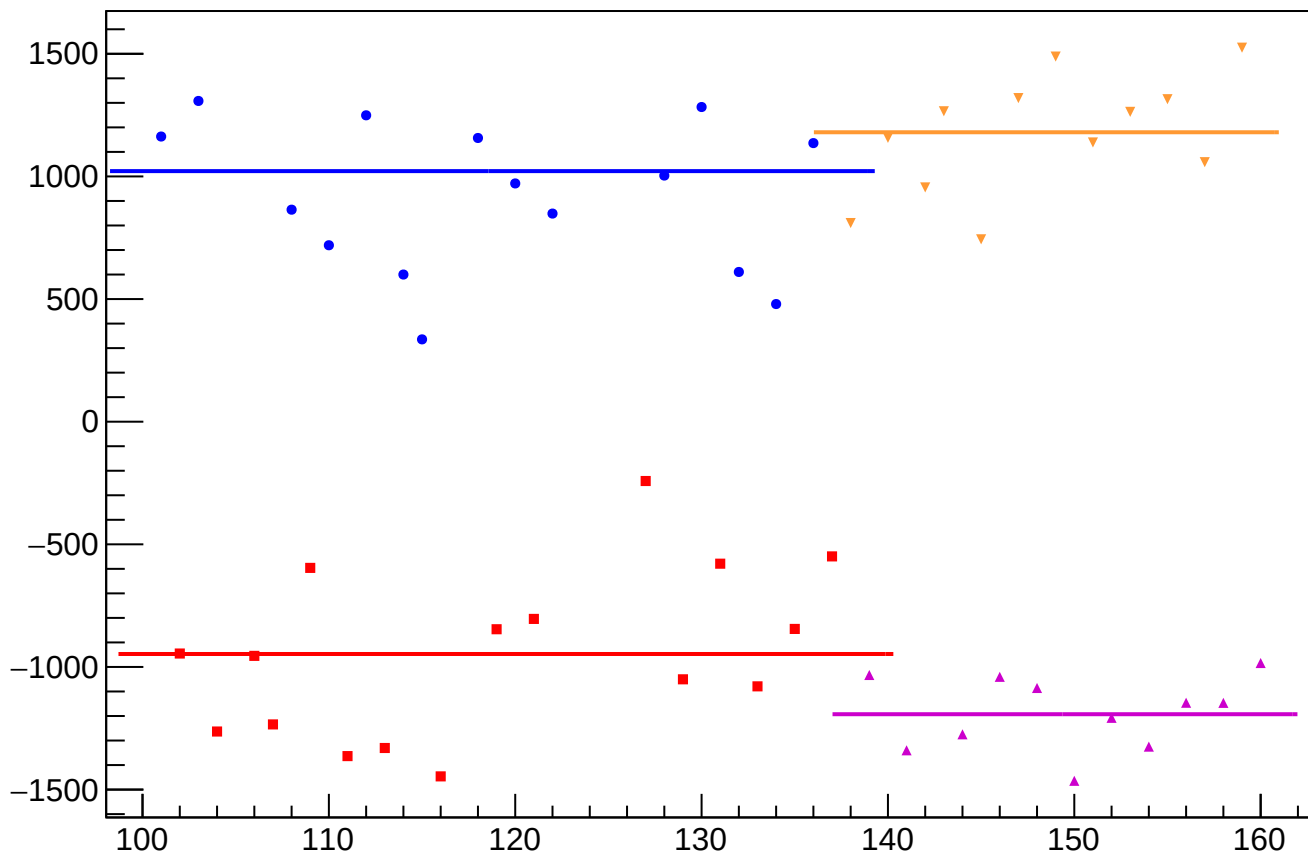
Right In: -8.139 ± 0.000 $\chi^2/\text{NDF}: 14676442649222120372533779893321728.0/14$
 Left Out: -9.049 ± 0.000 $\chi^2/\text{NDF}: 2449058506184839792133889501167616.0/11$
 Right Out: 6.859 ± 0.000 $\chi^2/\text{NDF}: 16483631561591790731352632153079808.0/15$
 Left In: 8.343 ± 0.000 $\chi^2/\text{NDF}: 7268690948063694771204756789526528.0/10$
 All: -0.402 ± 0.000 $\chi^2/\text{NDF}: 2538807042517$

dit_4eY_coil7_err_mean vs Slug, Sign Corrected



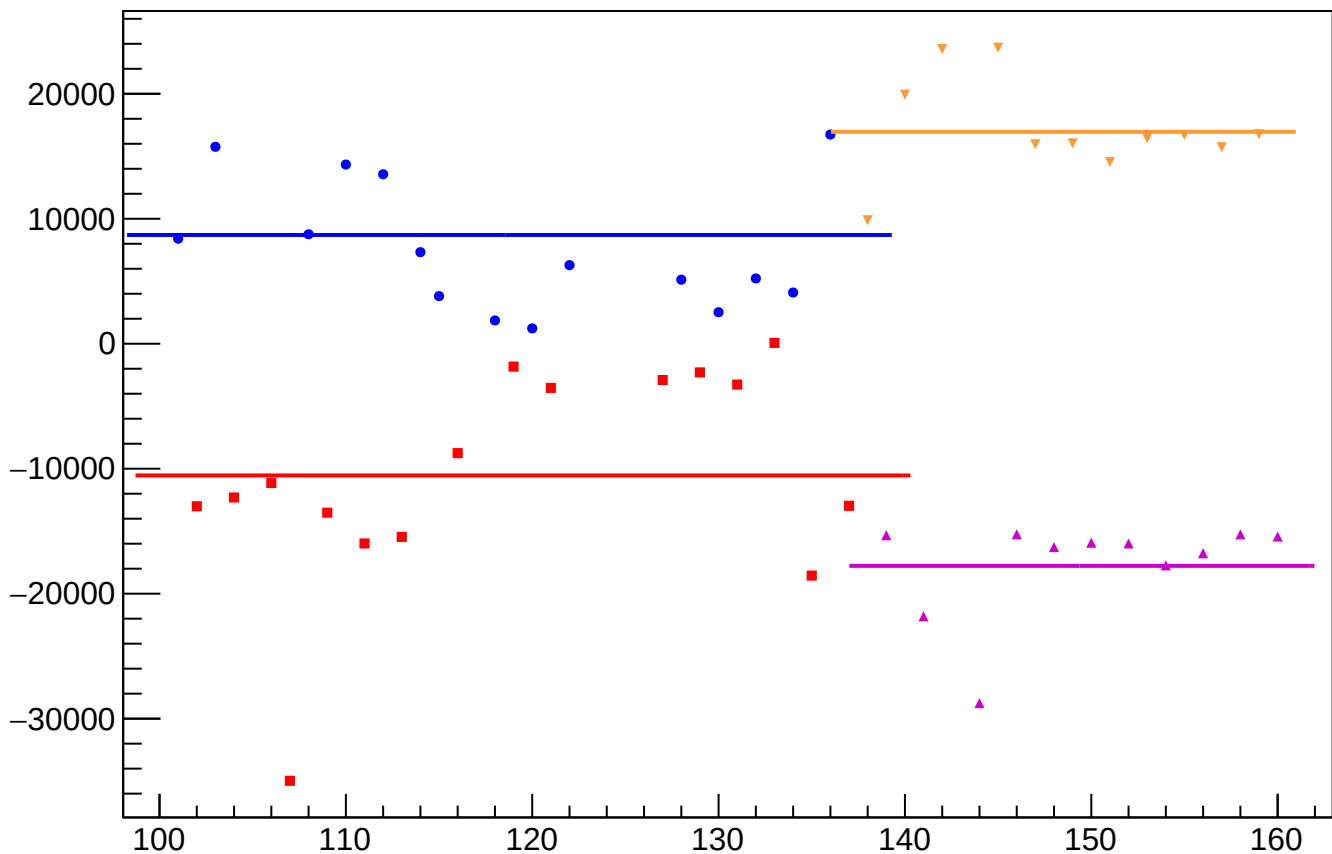
Right In: 2.250 ± 0.000 $\chi^2/\text{NDF}: 656774588136274816295442701090816.0/14$
 Left Out: 1.595 ± 0.000 $\chi^2/\text{NDF}: 76549213292208781148545230045184.0/11$
 Right Out: -2.025 ± 0.000 $\chi^2/\text{NDF}: 578717441762956454616505599918080.0/15$
 Left In: -1.582 ± 0.000 $\chi^2/\text{NDF}: 54930988145763434904897999339520.0/10$
 All: 0.034 ± 0.000 $\chi^2/\text{NDF}: 12024014402929$

dit_4eY_coil7_Ndata_mean vs Slug, Sign Corrected



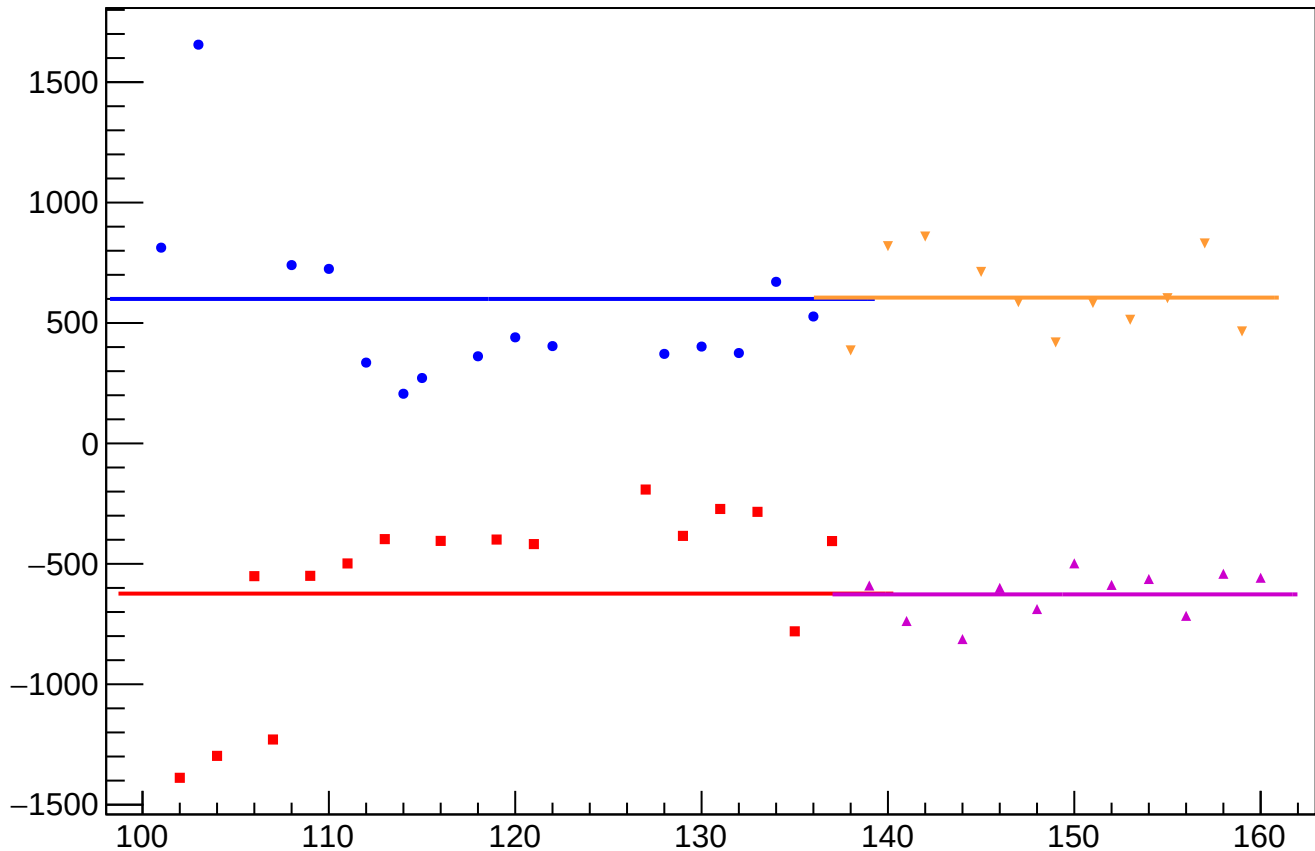
Right In: 1021.684+/-0.000	χ^2/NDF : 40493101470870278397836276403592495104.0/14	Left: -12.747+/-0.000	χ^2/NDF : 2657013306605046
Left Out: 1180.103+/-0.000	χ^2/NDF : 50788606804690292724539730503787347968.0/11	Right: 23.805+/-0.000	χ^2/NDF : 1383338523153511
Right Out: -947.145+/-0.000	χ^2/NDF : 67784656011936521511169668028018196480.0/15	In: -279.065+/-0.000	χ^2/NDF : 1929090788254319
Left In: -1192.687+/-0.000	χ^2/NDF : 19255287383728205662654022867381911552.0/10	Out: 282.649+/-0.000	χ^2/NDF : 1863497273761245
	All: 2.504+/-0.000	χ^2/NDF : 40413764320356	

dit_usl_coil7_mean vs Slug, Sign Corrected



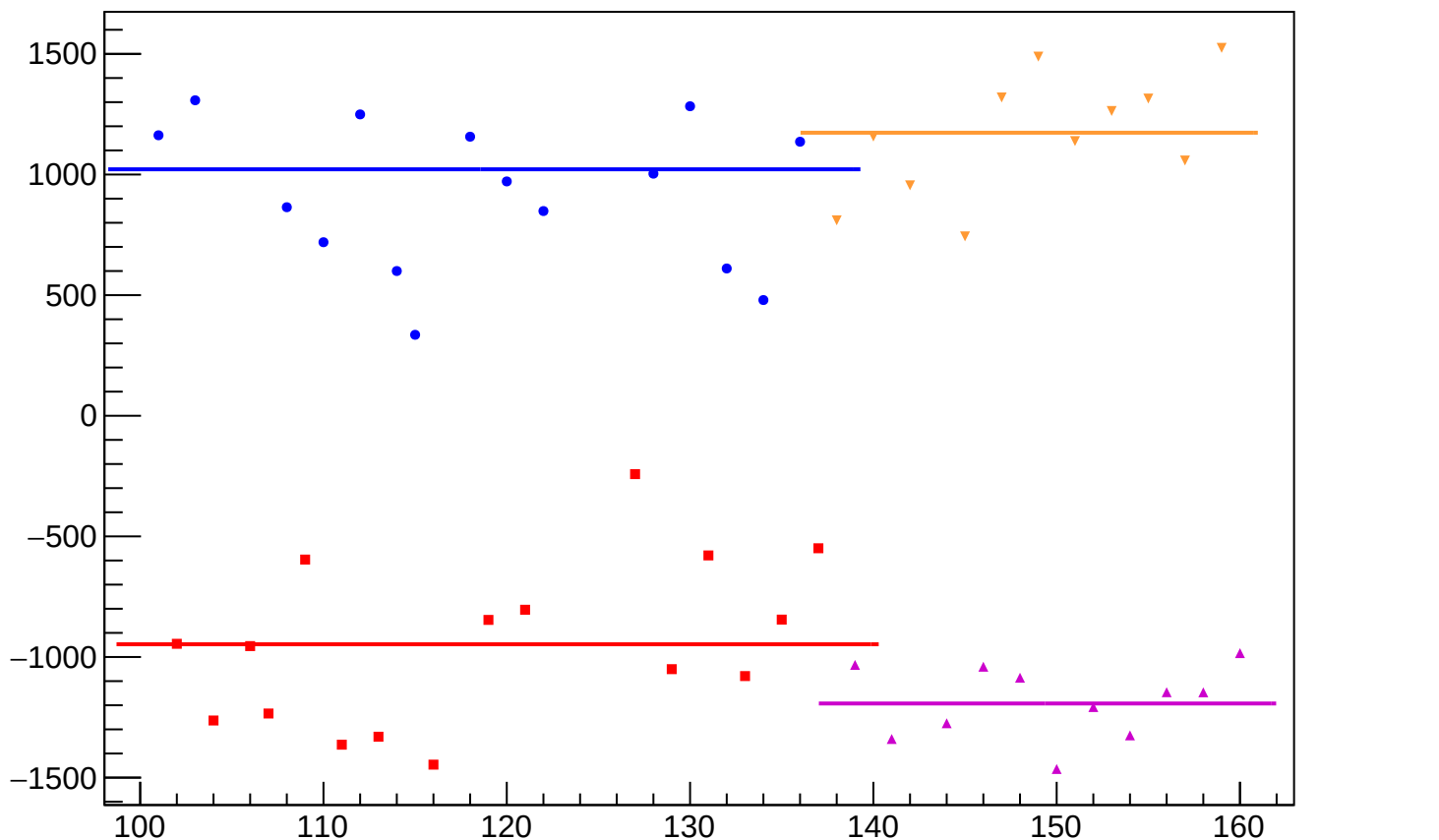
Left: -1162.779+/-0.000 χ^2/NDF : 55890843498990
 Right In: 8703.332+/-0.000 χ^2/NDF : 19501133067308426859536304500819191922688.0/14
 Left Out: 16957.575+/-0.000 χ^2/NDF : 10938008625550561770285254297697243889664.0/10
 Right Out: -10539.327+/-0.000 χ^2/NDF : 46226684227836109273394062569753758662656.0/15
 Left In: -17773.103+/-0.000 χ^2/NDF : 14926066991142889452676587552618632445952.0/10
 All: -1114.529+/-0.000 χ^2/NDF : 7464452329

dit_usl_coil7_err_mean vs Slug, Sign Corrected



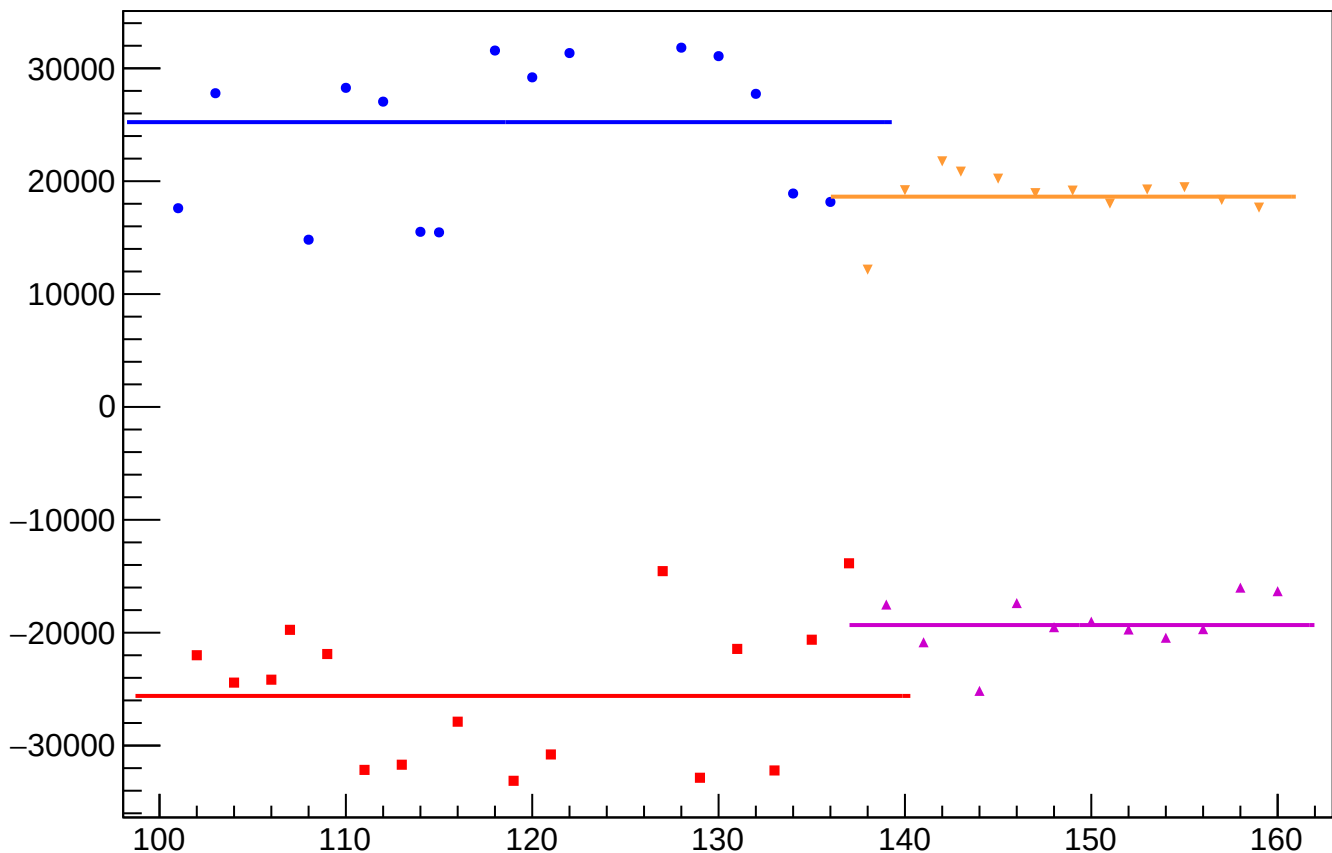
Right In: 599.849+/-0.000 χ^2/NDF : 89258961100373244309337208715638472704.0/14
 Left Out: 605.454+/-0.000 χ^2/NDF : 20600036696576889686488913862706855936.0/10
 Right Out: -623.569+/-0.000 χ^2/NDF : 101448845479297603044152618126879490048.0/15
 Left In: -626.785+/-0.000 χ^2/NDF : 8170989429665370050254275774703992832.0/10
 All: -30.110+/-0.000 χ^2/NDF : 138304886705

dit_usl_coil7_Ndata_mean vs Slug, Sign Corrected



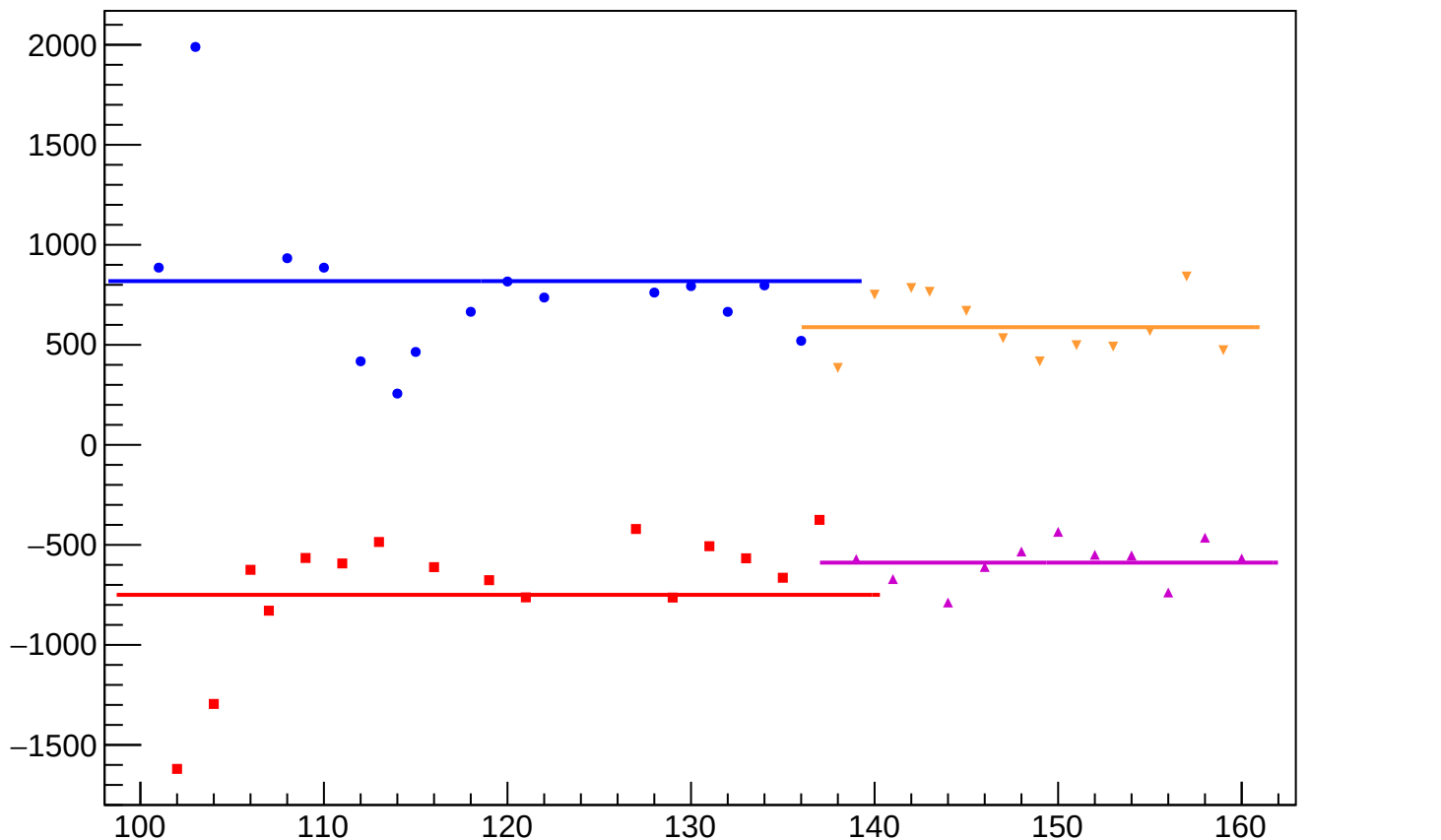
Left: -61.112 +/- 0.000 χ^2/NDF : 2543368931885977
 Right In: 1021.684 +/- 0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Left Out: 1173.334 +/- 0.000 χ^2/NDF : 50259225692125439679244442751924699136.0/10
 Right Out: -947.145 +/- 0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Left In: -1192.687 +/- 0.000 χ^2/NDF : 1925528738372820562654022867381911552.0/10
 All: -24.912 +/- 0.000 χ^2/NDF : 393215150522

dit_usr_coil7_mean vs Slug, Sign Corrected



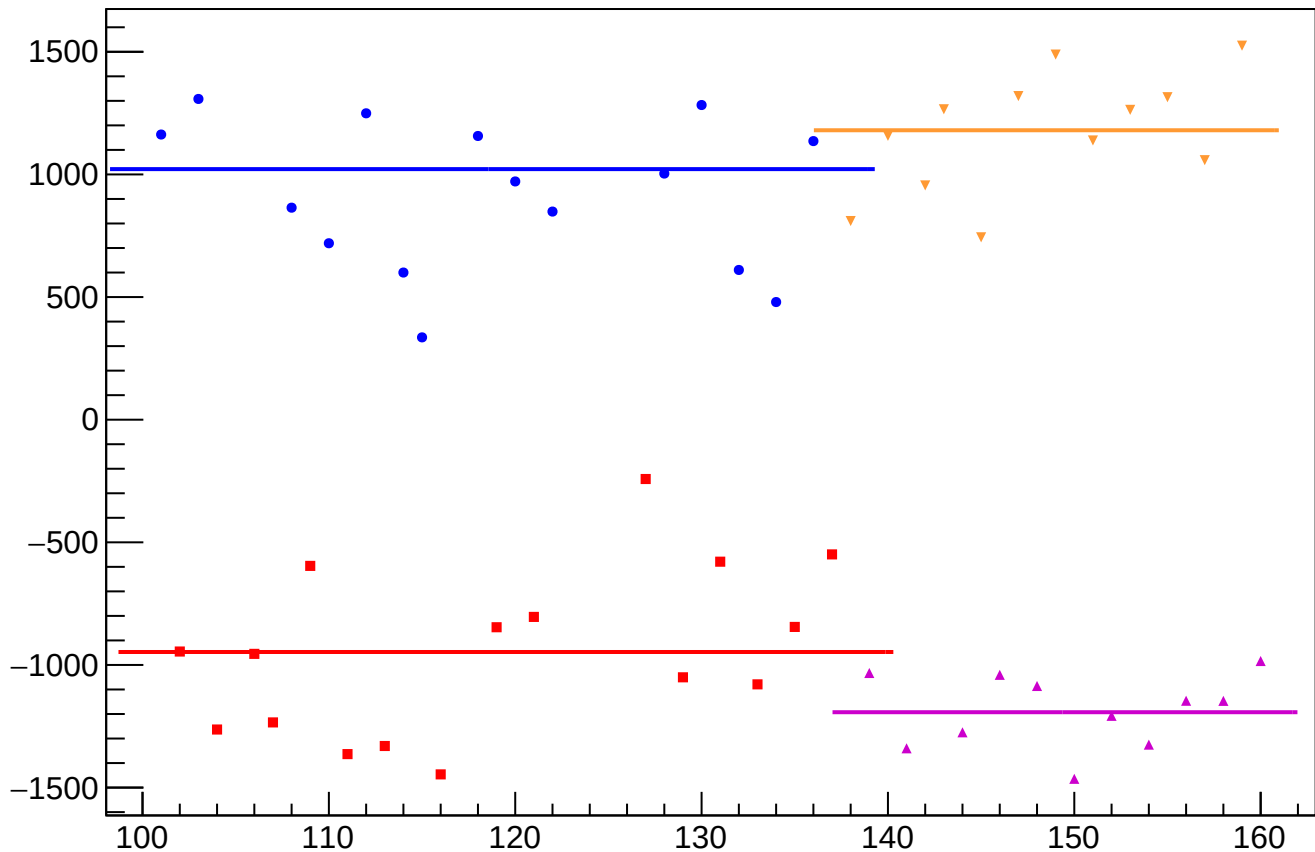
Right In: 25232.229+/-0.000 χ^2/NDF : 24534581974772031016304633863538632294400.0/14
 Left Out: 18630.609+/-0.000 χ^2/NDF : 4499157177792733453337123782201790431232.0/11
 Right Out: -25601.388+/-0.000 χ^2/NDF : 24359757587964510827650819847270483099648.0/15
 Left In: -19322.974+/-0.000 χ^2/NDF : 5509841990831420617123513924011035721728.0/10
 All: -483.976+/-0.000 χ^2/NDF : 15707826192

dit_usr_coil7_err_mean vs Slug, Sign Corrected



Right In: 818.668 ± 0.000 $\chi^2/\text{NDF}: 105606527096911974489496802318373355520.0/14$
 Left Out: 588.391 ± 0.000 $\chi^2/\text{NDF}: 20060197377989114991296665666078113792.0/11$
 Right Out: -749.661 ± 0.000 $\chi^2/\text{NDF}: 77972691834605708706145461250669150208.0/15$
 Left In: -588.693 ± 0.000 $\chi^2/\text{NDF}: 9904386894828699094725074481582178304.0/10$
 All: 7.967 ± 0.000 $\chi^2/\text{NDF}: 16598147133155$

dit_usr_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

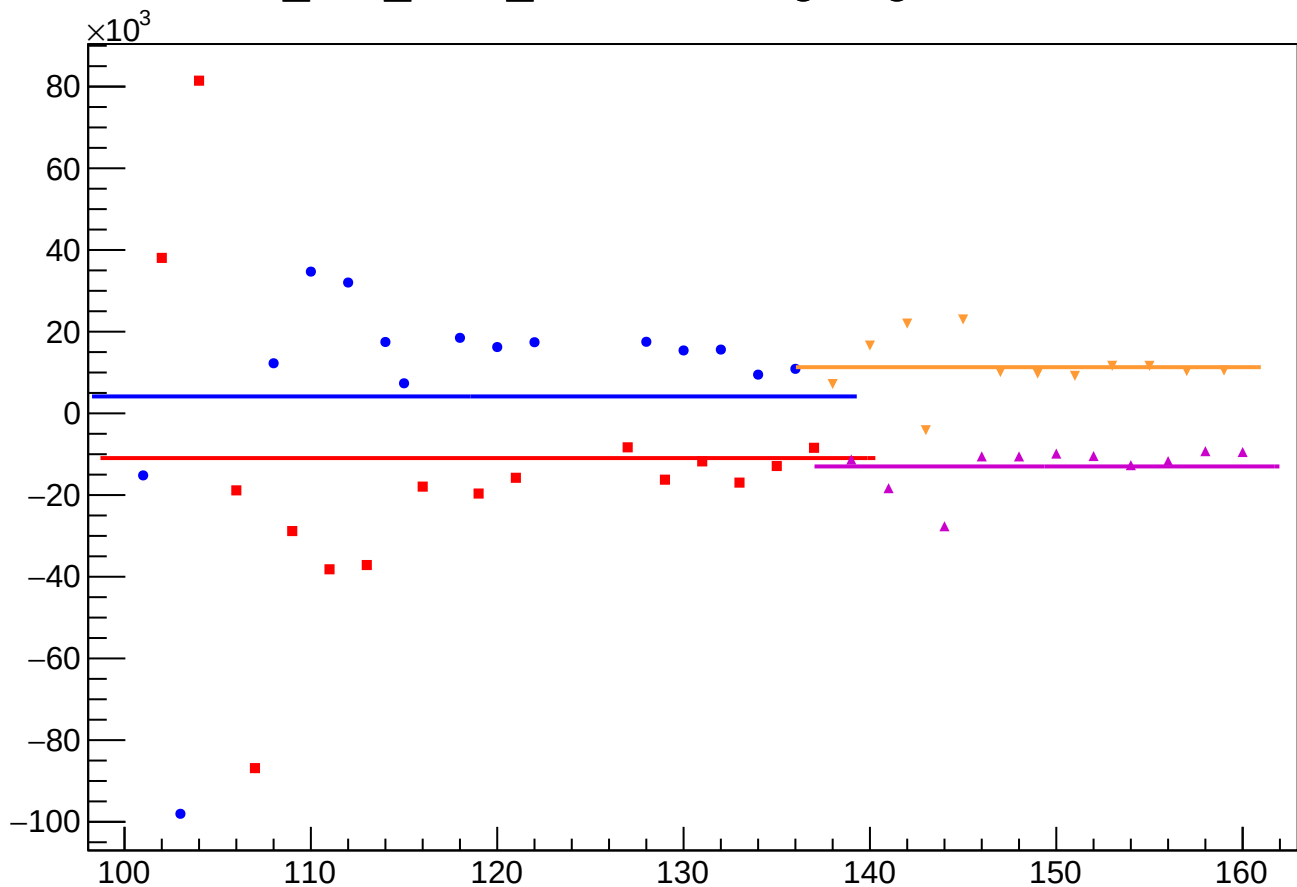
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

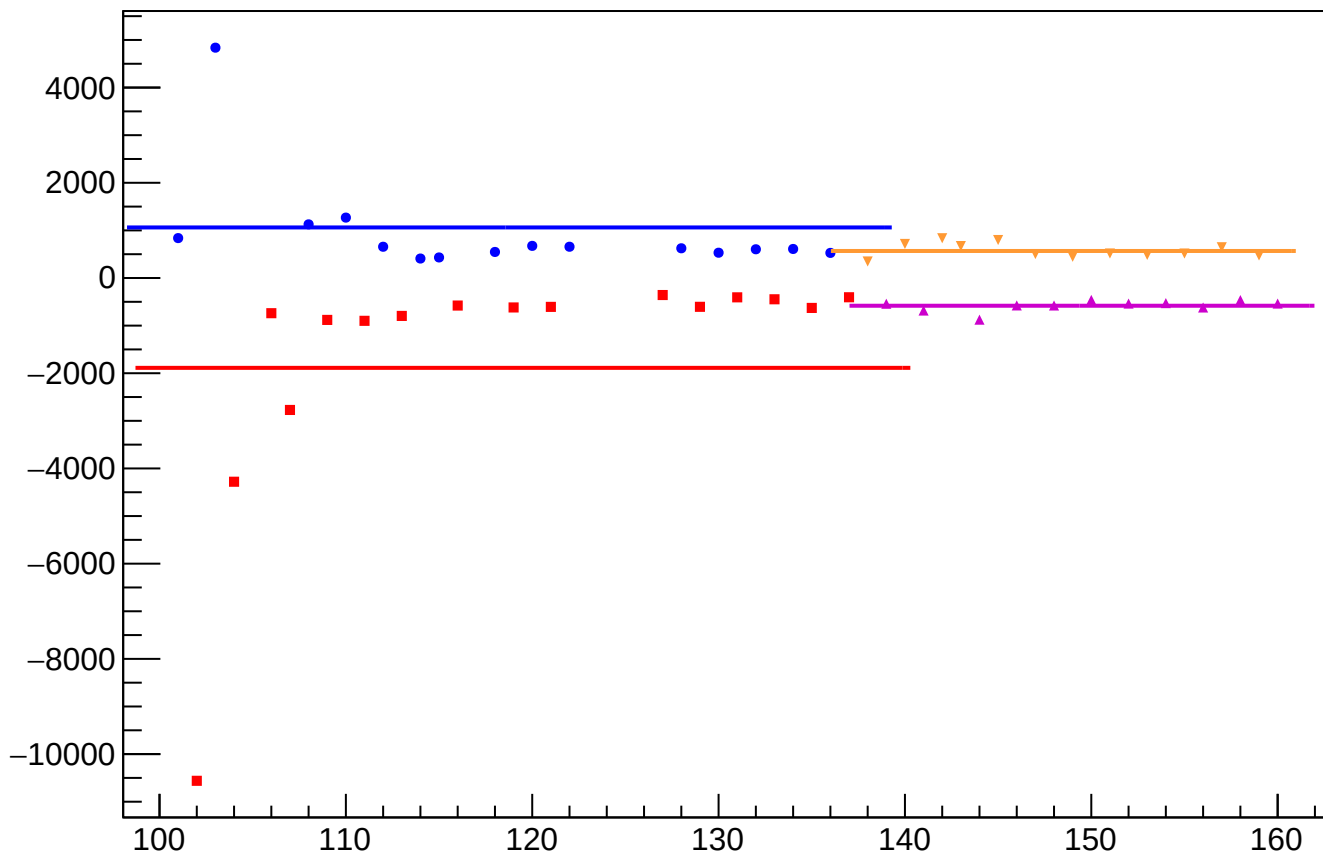
All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_atl1_coil7_mean vs Slug, Sign Corrected



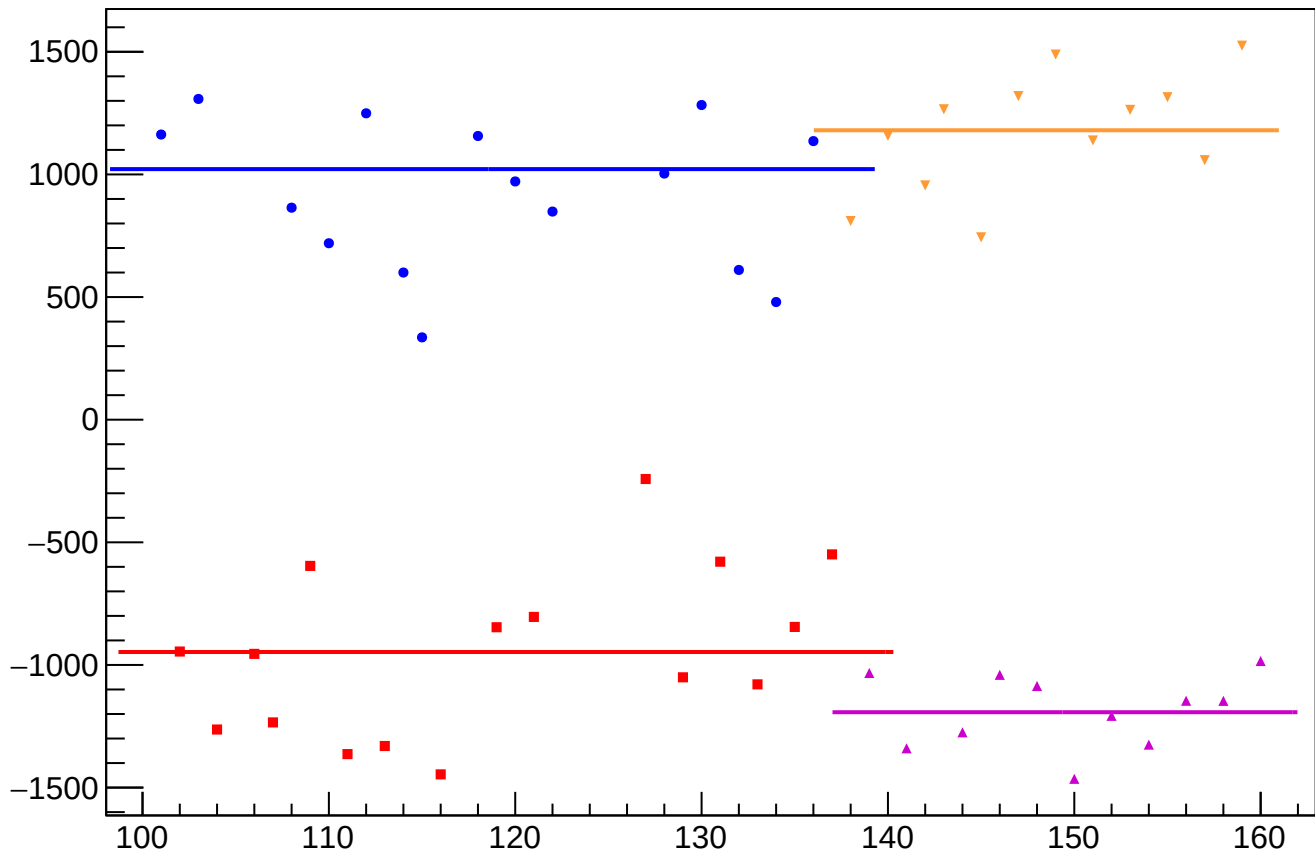
Left: -909.343 ± 0.000 $\chi^2/\text{NDF}: 334047502497759$
 Right In: 4145.268 ± 0.000 $\chi^2/\text{NDF}: 763693998395064689637972381933507648159744.0/14$
 Right: -3504.625 ± 0.000 $\chi^2/\text{NDF}: 1712578788282$
 Left Out: 11307.773 ± 0.000 $\chi^2/\text{NDF}: 36281065862244259787300982388178548686848.0/11$
 In: -5922.694 ± 0.000 $\chi^2/\text{NDF}: 902084767732052$
 Right Out: -10948.073 ± 0.000 $\chi^2/\text{NDF}: 873949668510327201514601463115396191092736.0/15$
 Out: 1918.368 ± 0.000 $\chi^2/\text{NDF}: 110122853896245$
 Left In: -12994.239 ± 0.000 $\chi^2/\text{NDF}: 26399397473209063315648711040224276250624.0/10$
 All: -1992.219 ± 0.000 $\chi^2/\text{NDF}: 2051791747$

dit_atl1_coil7_err_mean vs Slug, Sign Corrected



Left: -10.469+/-0.000 χ^2/NDF : 6372083040457971
 Right In: 1062.141+/-0.000 χ^2/NDF : 952806231926530012715872184655778152448.0/14
 Right: -432.638+/-0.000 χ^2/NDF : 93397475225812
 Left Out: 567.733+/-0.000 χ^2/NDF : 17522884747687495168010192179255312384.0/11
 In: 96.109+/-0.000 χ^2/NDF : 199572640986063157
 Right Out: -1887.077+/-0.000 χ^2/NDF : 5525872718363845620366029387569058283520.0/15
 Out: -467.914+/-0.000 χ^2/NDF : 786707402720723
 Left In: -582.413+/-0.000 χ^2/NDF : 118601444625381813814678965729624064.0/10
 All: -186.618+/-0.000 χ^2/NDF : 10113638171

dit_atl1_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

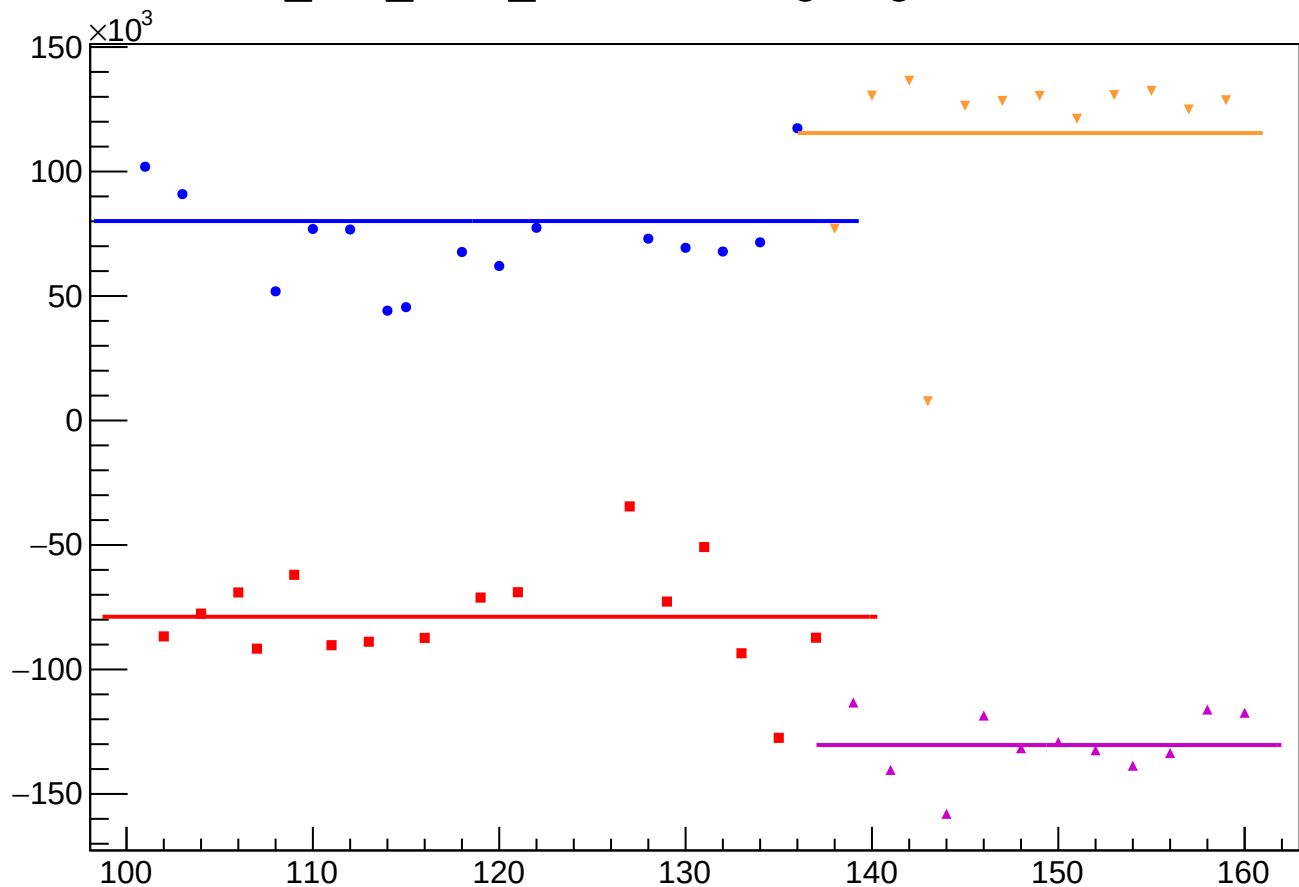
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_atl2_coil7_mean vs Slug, Sign Corrected



Right In: 80102.504+/-0.000

χ^2/NDF : 254521784097258654723607522631742465769472.0/14

Left Out: 115448.893+/-0.000

χ^2/NDF : 1038801657464811255416211206986838896017408.0/11

Right Out: -78815.832+/-0.000

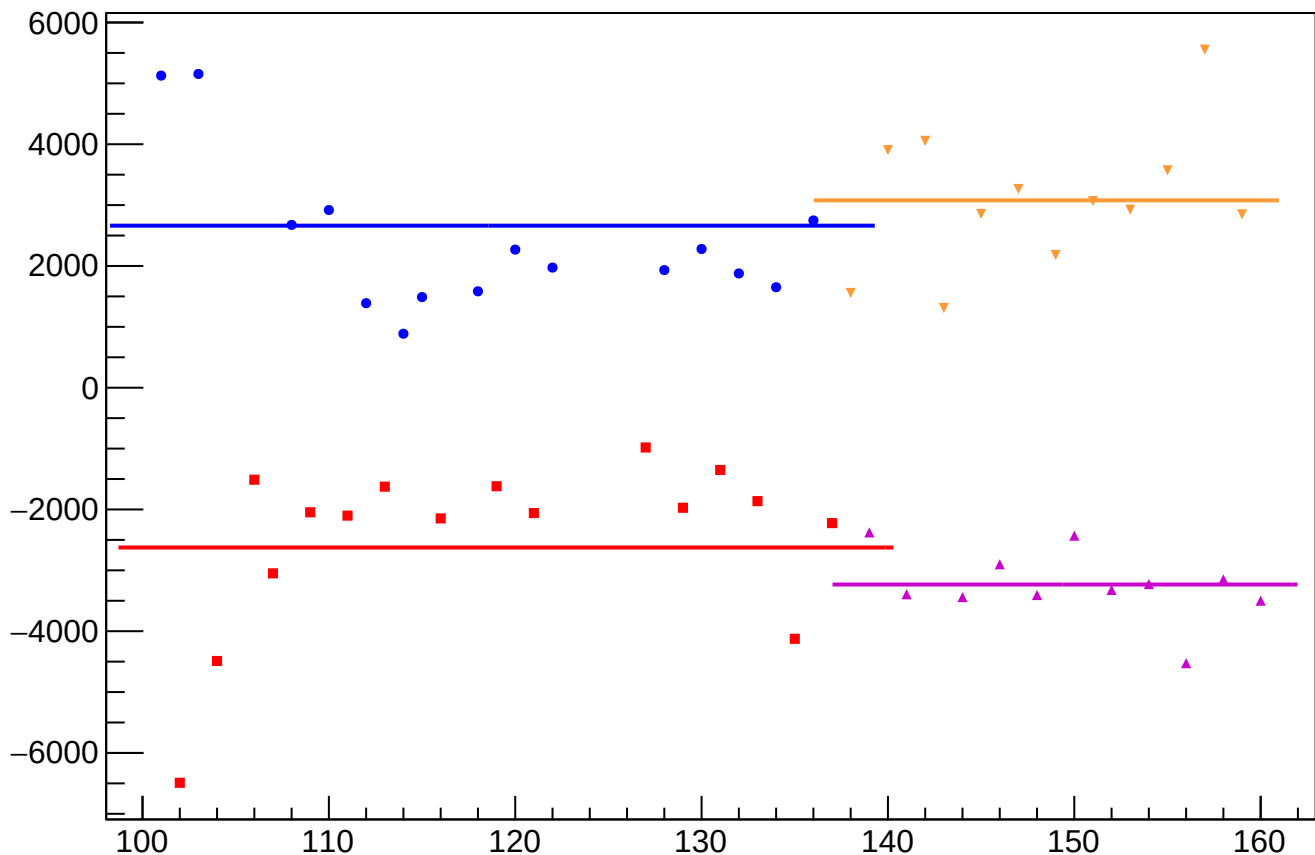
χ^2/NDF : 286076919217811099434470442231998185472000.0/15

Left In: -130346.244+/-0.000

χ^2/NDF : 148174871015439819820100459279999278514176.0/10

All: -4915.433+/-0.000 χ^2/NDF : 3784007443

dit_atl2_coil7_err_mean vs Slug, Sign Corrected



Right In: 2662.183+/-0.000

Left Out: 3077.945+/-0.000

Right Out: -2624.696+/-0.000

Left In: -3232.879+/-0.000

χ^2/NDF : 1031389230165640157864439705583367487488.0/14

χ^2/NDF : 1073709891492389198093936322660595138560.0/11

χ^2/NDF : 1566705216866534713590934835660406652928.0/15

χ^2/NDF : 275721007613891276741007240283331493888.0/10

Left: -94.635+/-0.000 χ^2/NDF : 1964916620255589

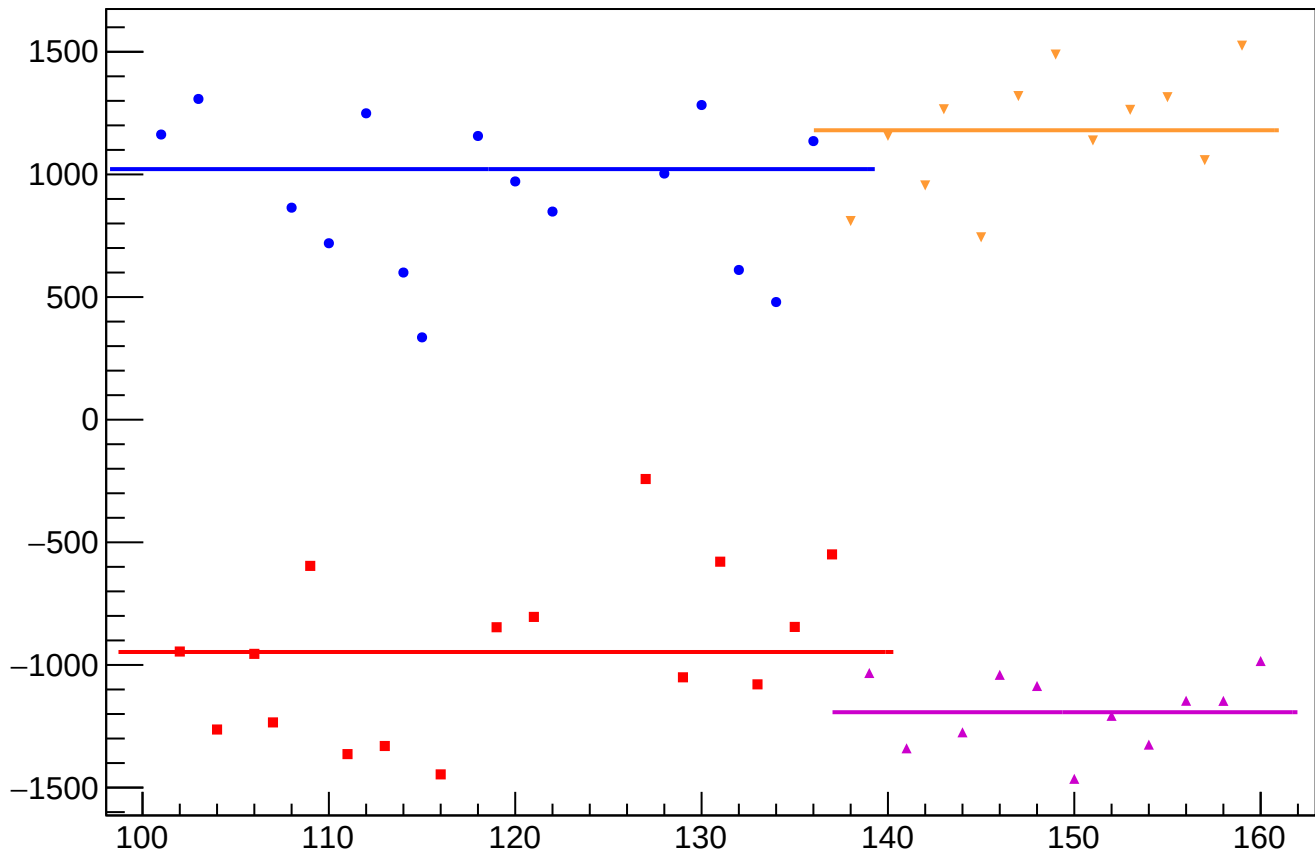
Right: -17.413+/-0.000 χ^2/NDF : 117922842657675

In: -800.651+/-0.000 χ^2/NDF : 145555206694384

Out: 672.087+/-0.000 χ^2/NDF : 1518026118358382

All: -62.414+/-0.000 χ^2/NDF : 314460236947

dit_atl2_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

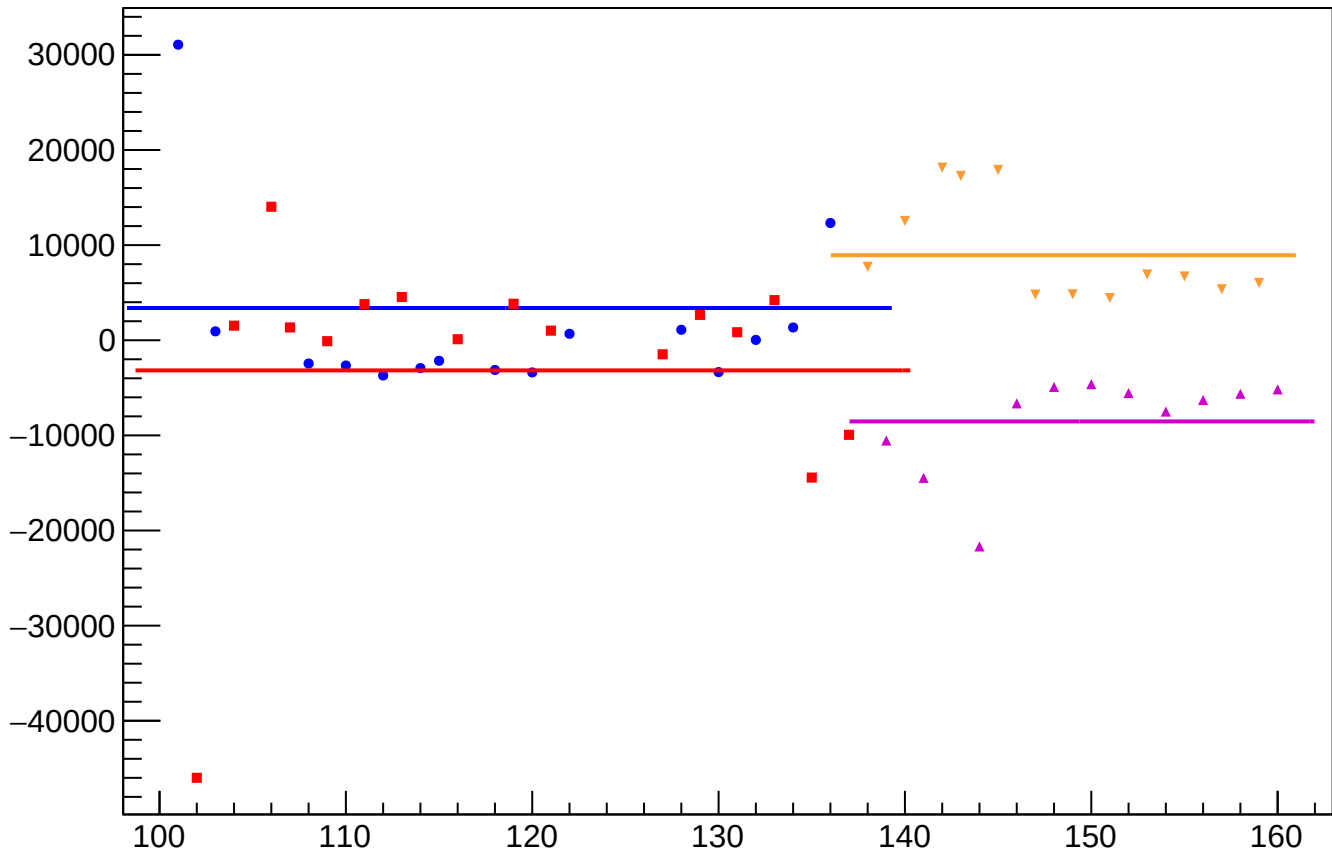
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_atr1_coil7_mean vs Slug, Sign Corrected



Right In: 3390.550+/-0.000

χ^2/NDF : 65871927441553256724179194556280173756416.0/14

Left Out: 8941.712+/-0.000

χ^2/NDF : 22757542723529976862924189628837264359424.0/11

Right Out: -3167.396+/-0.000

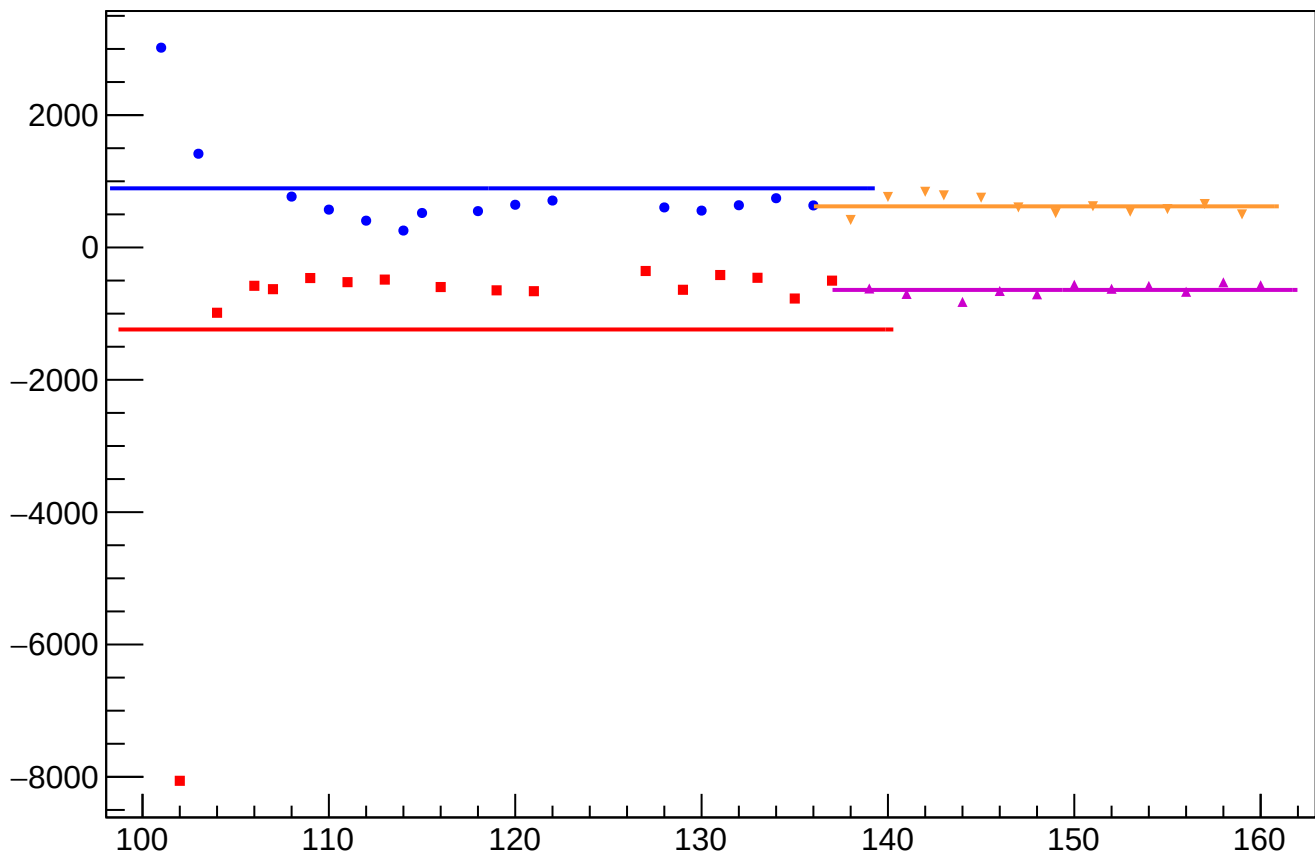
χ^2/NDF : 137753886677241144460462531881687568089088.0/15

Left In: -8532.821+/-0.000

χ^2/NDF : 24299515949380224586324737558095226470400.0/10

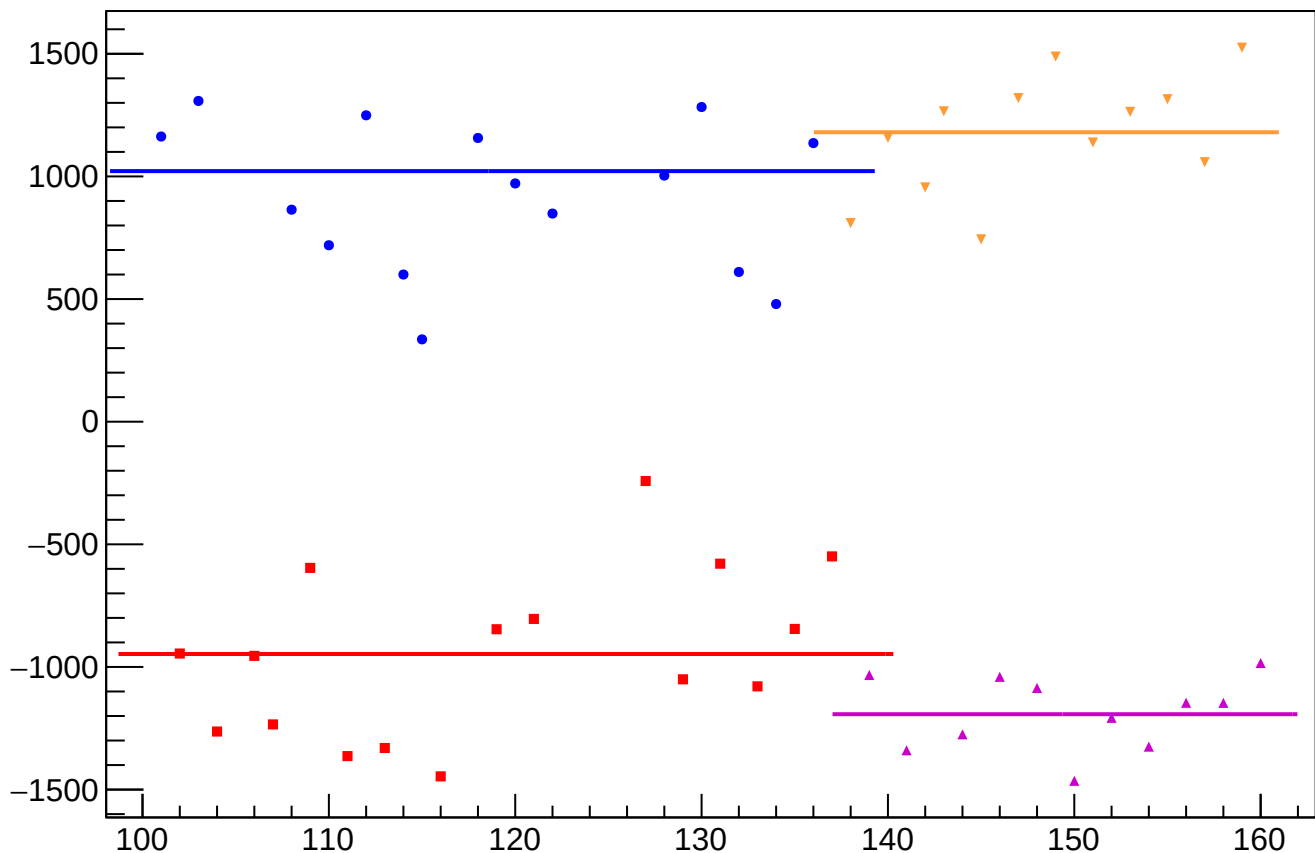
All: 119.281+/-0.000 χ^2/NDF : 405144112898

dit_atr1_coil7_err_mean vs Slug, Sign Corrected



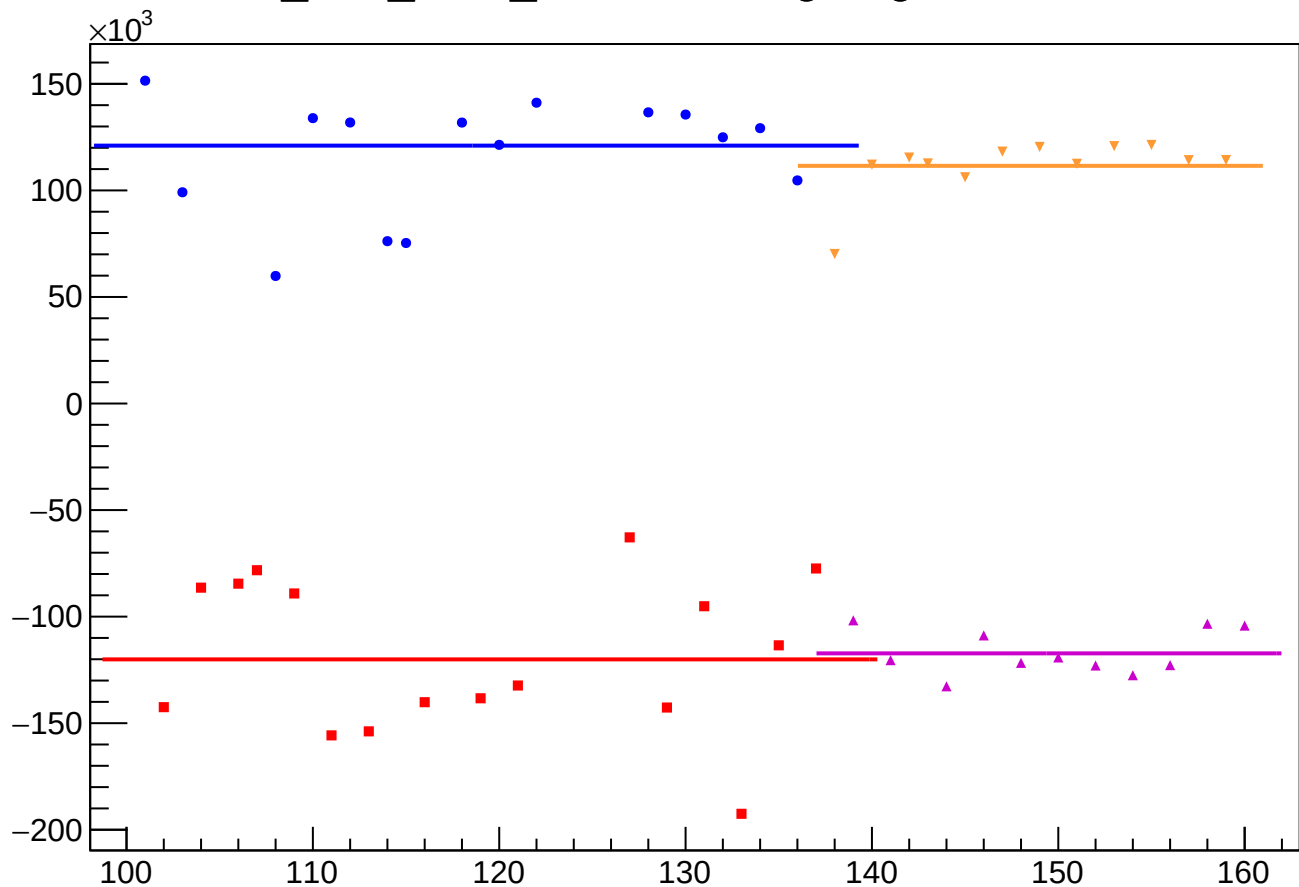
Right In: 893.683 $\pm$ 0.000 χ^2/NDF : 334583619078631008932404228227359309824.0/14
 Left Out: 621.395 $\pm$ 0.000 χ^2/NDF : 13220761349033595391183034930255888384.0/11
 Right Out: -1239.298 $\pm$ 0.000 χ^2/NDF : 2970990859486483990408108918937565003776.0/15
 Left In: -641.490 $\pm$ 0.000 χ^2/NDF : 6047241871046466320943152926715543552.0/10
 All: -86.047 $\pm$ 0.000 χ^2/NDF : 557740460848

dit_atr1_coil7_Ndata_mean vs Slug, Sign Corrected



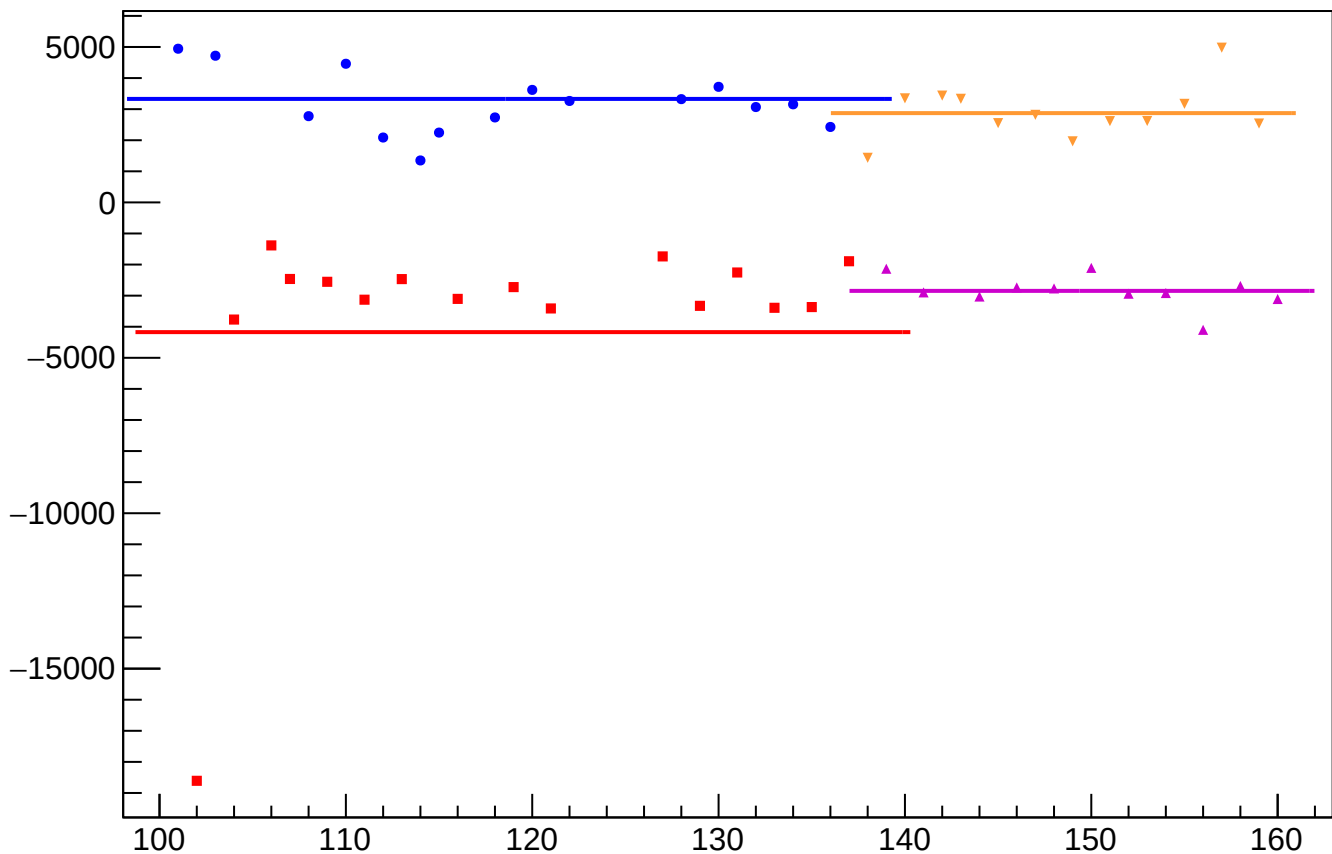
Right In: 1021.684+/-0.000	χ^2/NDF : 40493101470870278397836276403592495104.0/14	Left: -12.747+/-0.000	χ^2/NDF : 2657013306605046
Left Out: 1180.103+/-0.000	χ^2/NDF : 50788606804690292724539730503787347968.0/11	Right: 23.805+/-0.000	χ^2/NDF : 1383338523153511
Right Out: -947.145+/-0.000	χ^2/NDF : 67784656011936521511169668028018196480.0/15	In: -279.065+/-0.000	χ^2/NDF : 1929090788254319
Left In: -1192.687+/-0.000	χ^2/NDF : 19255287383728205662654022867381911552.0/10	Out: 282.649+/-0.000	χ^2/NDF : 1863497273761245
	All: 2.504+/-0.000	χ^2/NDF : 40413764320356	

dit_atr2_coil7_mean vs Slug, Sign Corrected



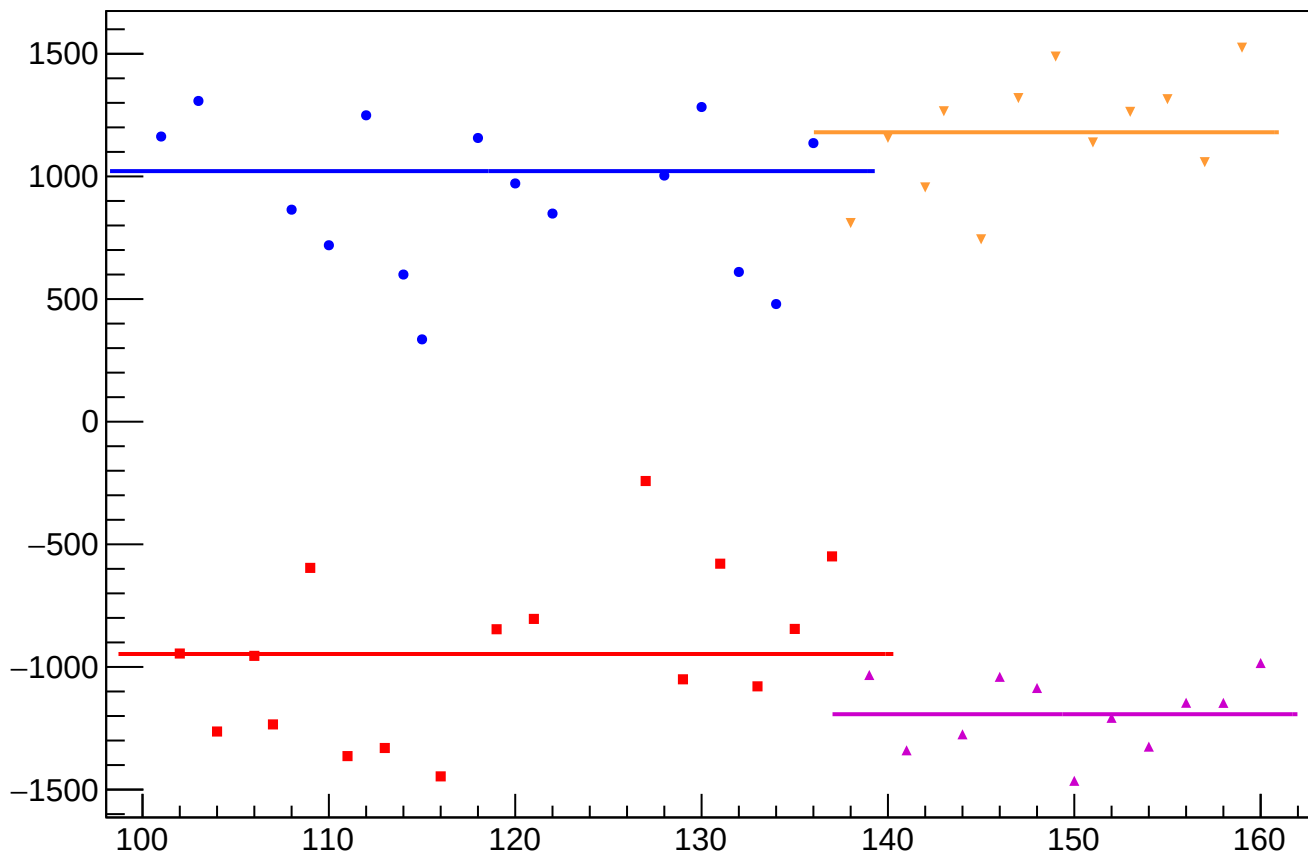
Right In: 121016.482 $\pm$ 0.000 χ^2/NDF : 358713856404303554987784975983609668173824.0/14
 Left Out: 111531.681 $\pm$ 0.000 χ^2/NDF : 162724299829921950370834246417372913074176.0/11
 Right Out: -120060.693 $\pm$ 0.000 χ^2/NDF : 828419782346707601448620310014135952736256.0/15
 Left In: -117237.465 $\pm$ 0.000 χ^2/NDF : 92299527706158063096544434206678792011776.0/10
 All: -2513.712 $\pm$ 0.000 χ^2/NDF : 4461091057

dit_atr2_coil7_err_mean vs Slug, Sign Corrected



Left: -2.554 ± 0.000 $\chi^2/\text{NDF}: 15921502408931202$
 Right In: 3329.488 ± 0.000 $\chi^2/\text{NDF}: 567034774398456376227526824513721335808.0/14$
 Right: -473.285 ± 0.000 $\chi^2/\text{NDF}: 32582486462967$
 Left Out: 2872.567 ± 0.000 $\chi^2/\text{NDF}: 662883582778902790585902196636778496000.0/11$
 In: 298.400 ± 0.000 $\chi^2/\text{NDF}: 1533808541348253$
 Right Out: -4173.434 ± 0.000 $\chi^2/\text{NDF}: 13498246551537992400095003154682468106240.0/15$
 Out: -100.034 ± 0.000 $\chi^2/\text{NDF}: 333048130531602$
 Left In: -2846.559 ± 0.000 $\chi^2/\text{NDF}: 229557109736682123603885764134616170496.0/10$
 All: -198.965 ± 0.000 $\chi^2/\text{NDF}: 48673924762$

dit_atr2_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 $\pm$ 0.000

Left Out: 1180.103 $\pm$ 0.000

Right Out: -947.145 $\pm$ 0.000

Left In: -1192.687 $\pm$ 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747 $\pm$ 0.000 χ^2/NDF : 2657013306605046

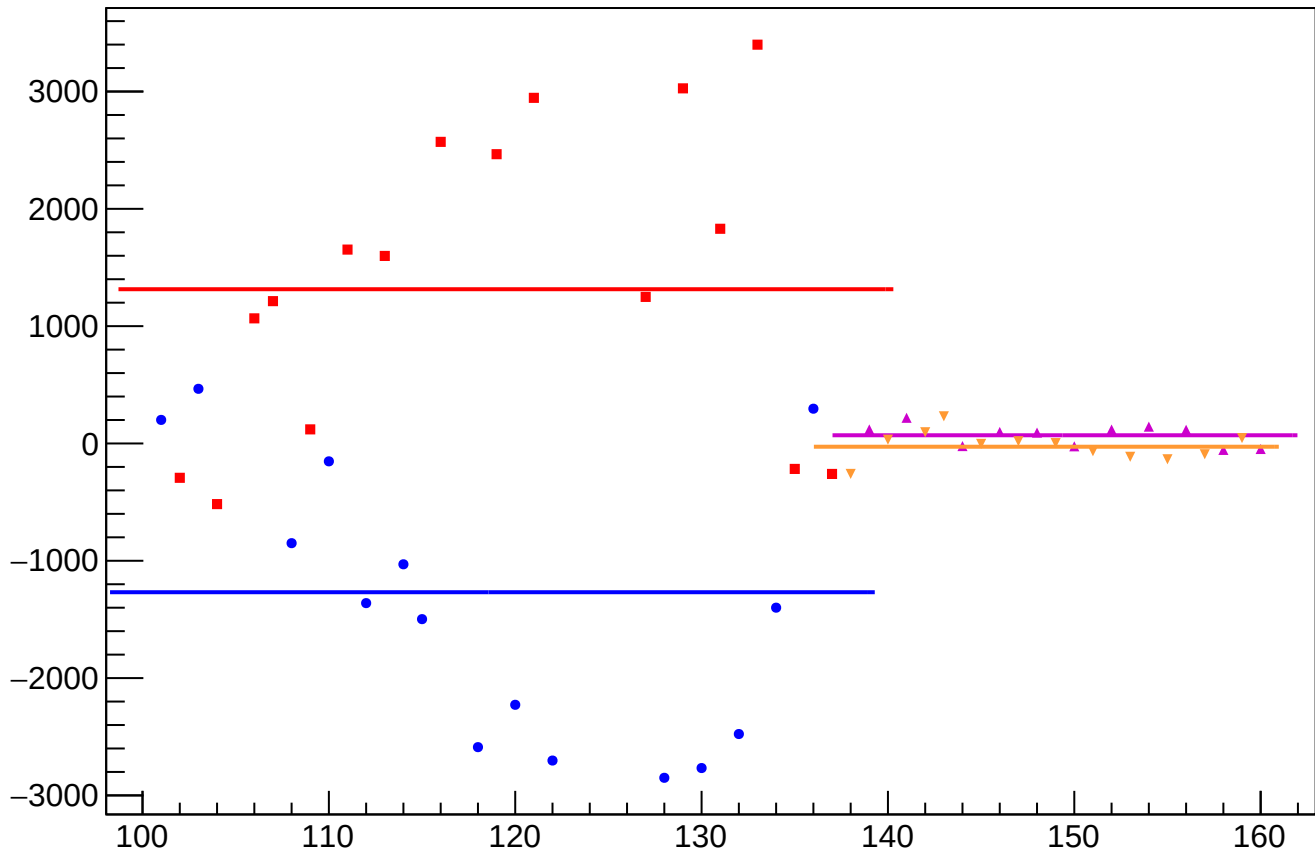
Right: 23.805 $\pm$ 0.000 χ^2/NDF : 1383338523153511

In: -279.065 $\pm$ 0.000 χ^2/NDF : 1929090788254319

Out: 282.649 $\pm$ 0.000 χ^2/NDF : 1863497273761245

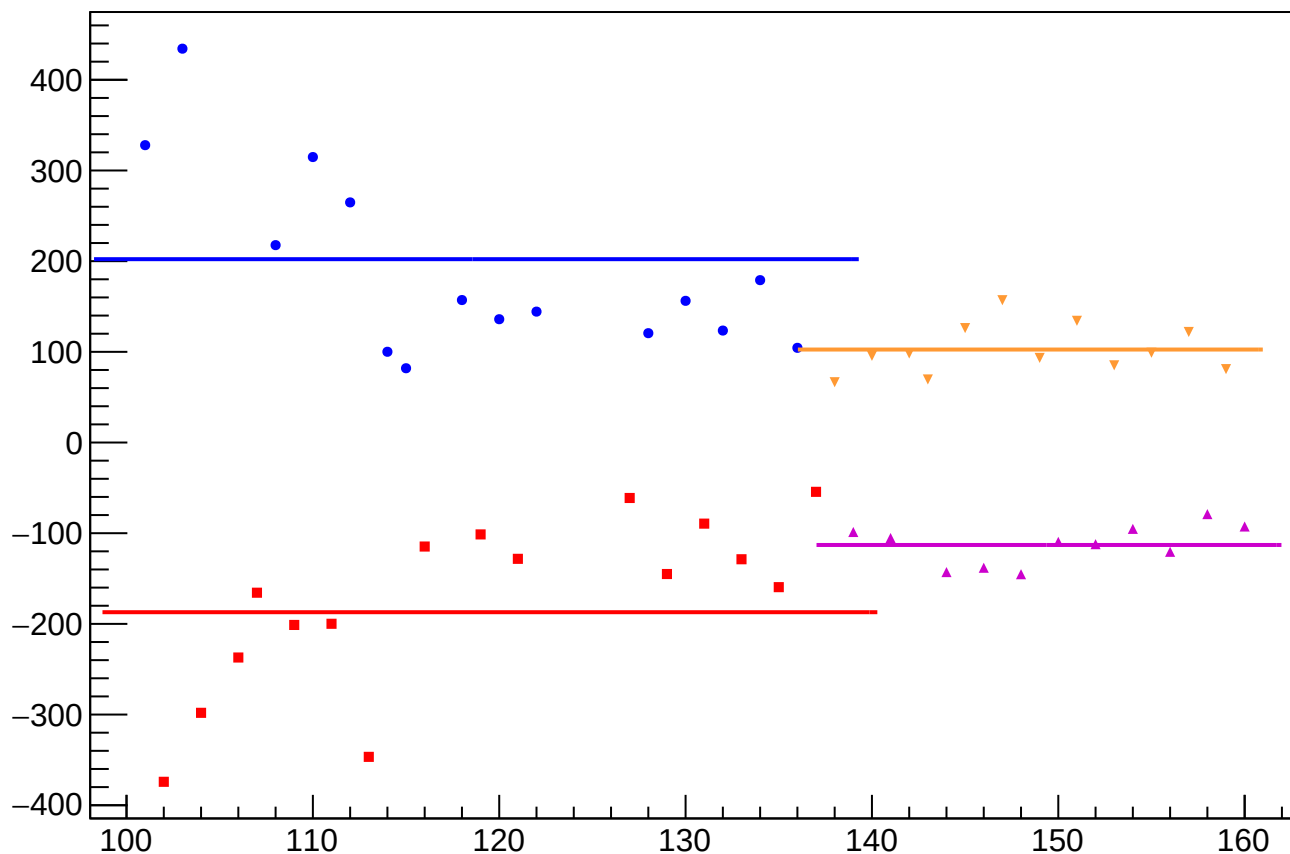
All: 2.504 $\pm$ 0.000 χ^2/NDF : 40413764320356

dit_sam1_coil7_mean vs Slug, Sign Corrected



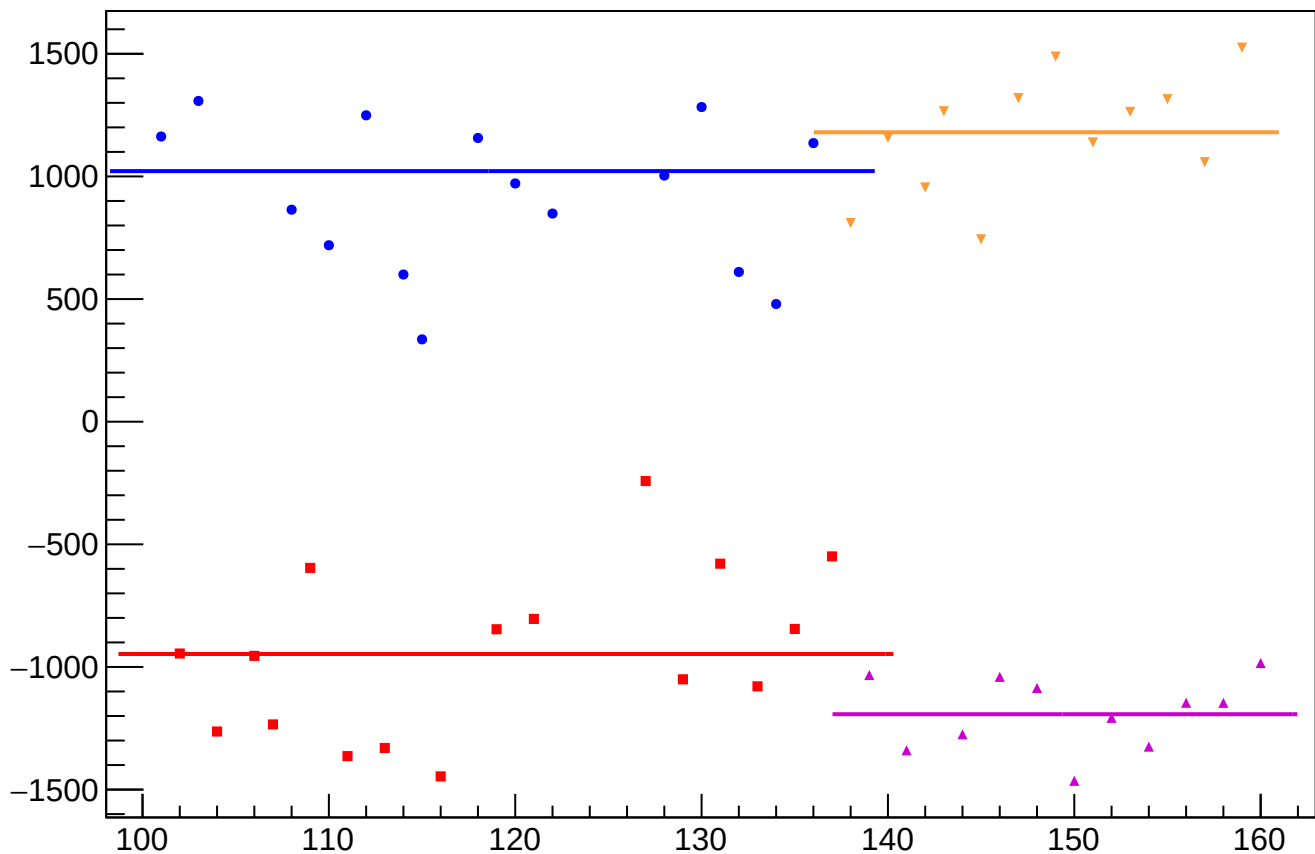
Left: 21.337 +/- 0.000 χ^2/NDF : 23678457867018899
 Right In: -1268.061 +/- 0.000 χ^2/NDF : 1092280760288833856070470490800647045120.0/14
 Right: 41.017 +/- 0.000 χ^2/NDF : 4385100658196815
 Left Out: -27.745 +/- 0.000 χ^2/NDF : 12401866293776389782406733193877127168.0/11
 In: -482.133 +/- 0.000 χ^2/NDF : 1781620225198016
 Right Out: 1314.767 +/- 0.000 χ^2/NDF : 1098471313864079013714609379653260935168.0/15
 Out: 538.641 +/- 0.000 χ^2/NDF : 1805860646471756
 Left In: 69.887 +/- 0.000 χ^2/NDF : 6896729055106095492675290775544659968.0/10
 All: 29.548 +/- 0.000 χ^2/NDF : 4409076158029

dit_sam1_coil7_err_mean vs Slug, Sign Corrected



Right In: 202.191 $\pm$ 0.000 χ^2 /NDF: 7027941052752849066369040650615128064.0/14
 Left Out: 102.547 $\pm$ 0.000 χ^2 /NDF: 631914374783938330949359707000668160.0/11
 Right Out: -187.126 $\pm$ 0.000 χ^2 /NDF: 6230029491605524746936515809941389312.0/15
 Left In: -112.981 $\pm$ 0.000 χ^2 /NDF: 399082569166702797505998561799569408.0/10
 All: -1.350 $\pm$ 0.000 χ^2 /NDF: 8557691672482

dit_sam1_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1180.103 +/- 0.000

χ^2/NDF : 50788606804690292724539730503787347968.0/11

Right Out: -947.145 +/- 0.000

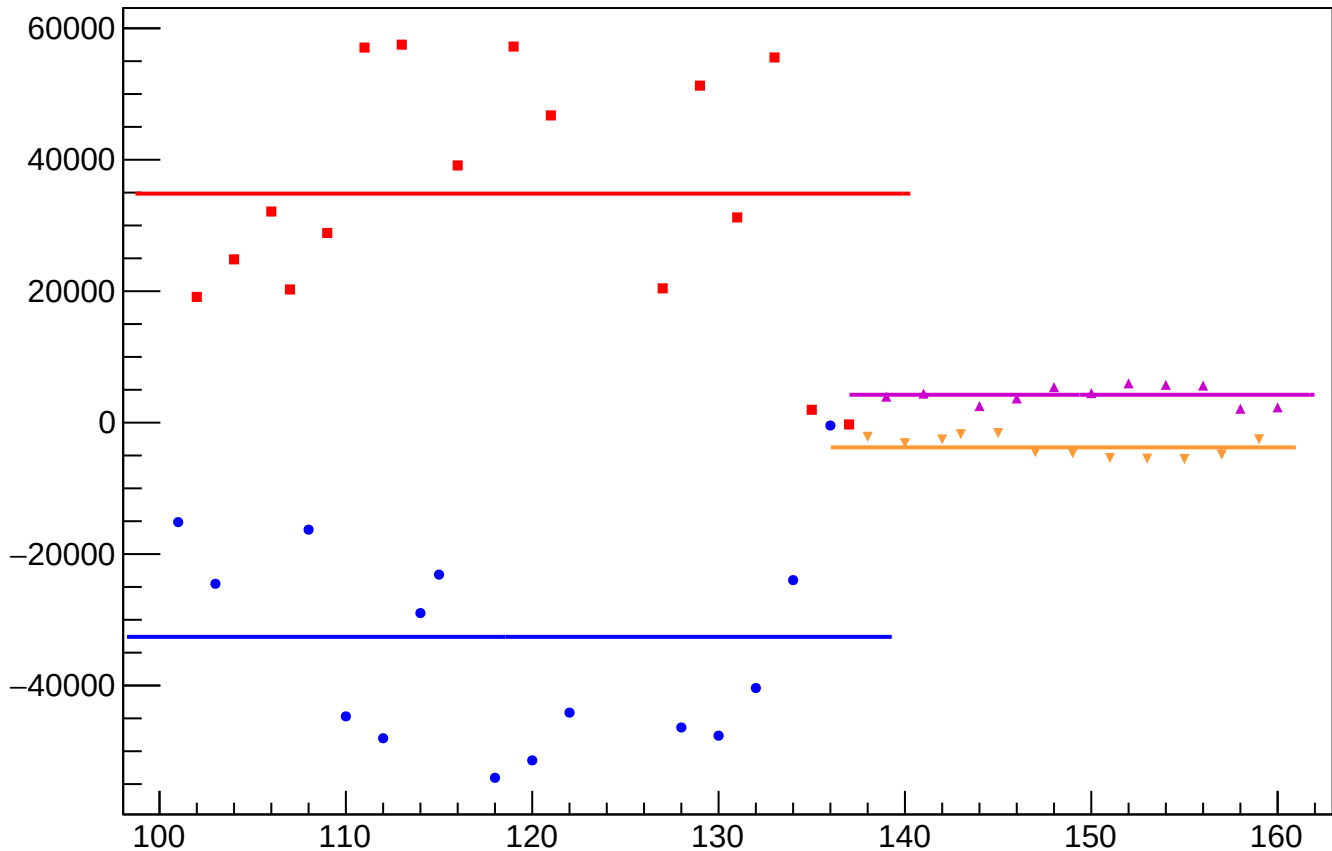
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 19255287383728205662654022867381911552.0/10

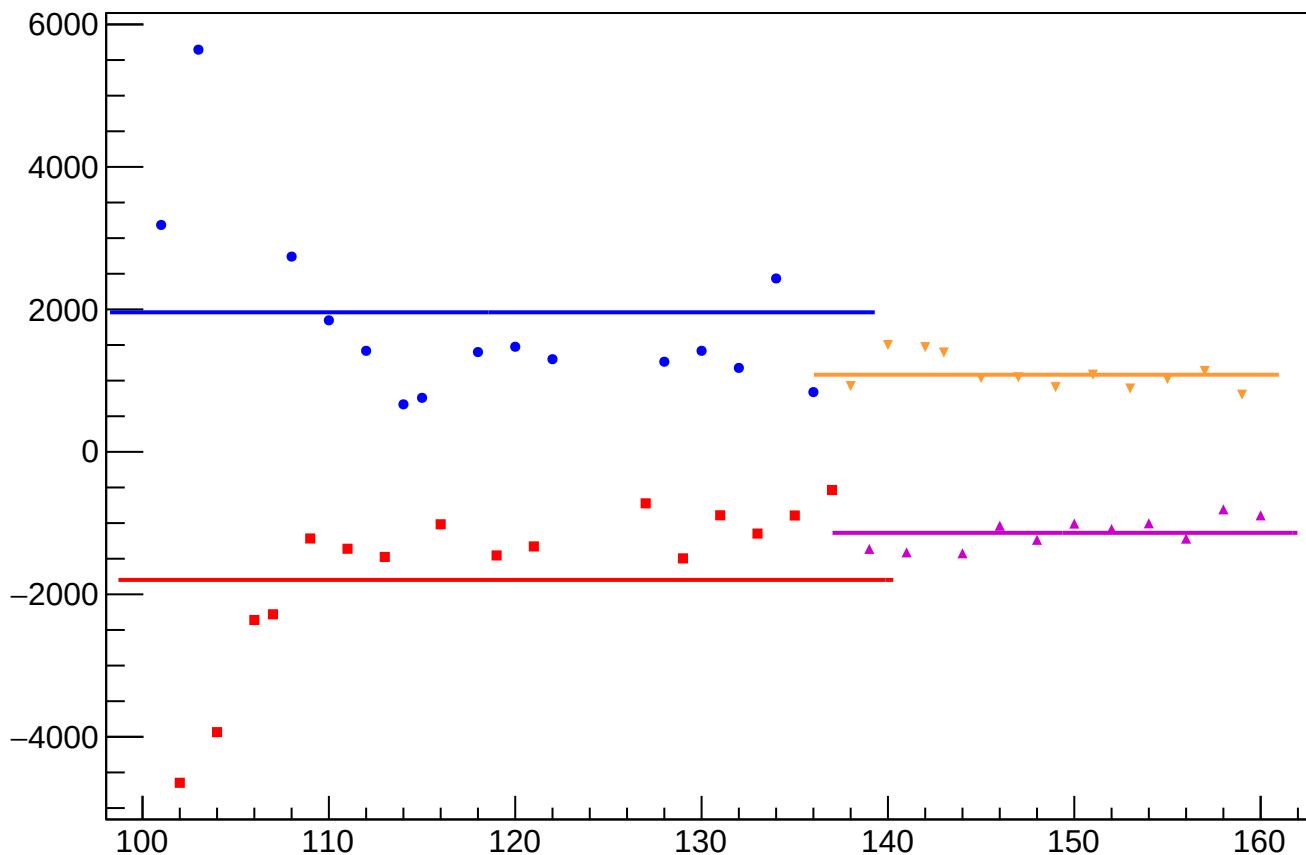
All: 2.504 +/- 0.000 χ^2/NDF : 40413764320356

dit_sam2_coil7_mean vs Slug, Sign Corrected



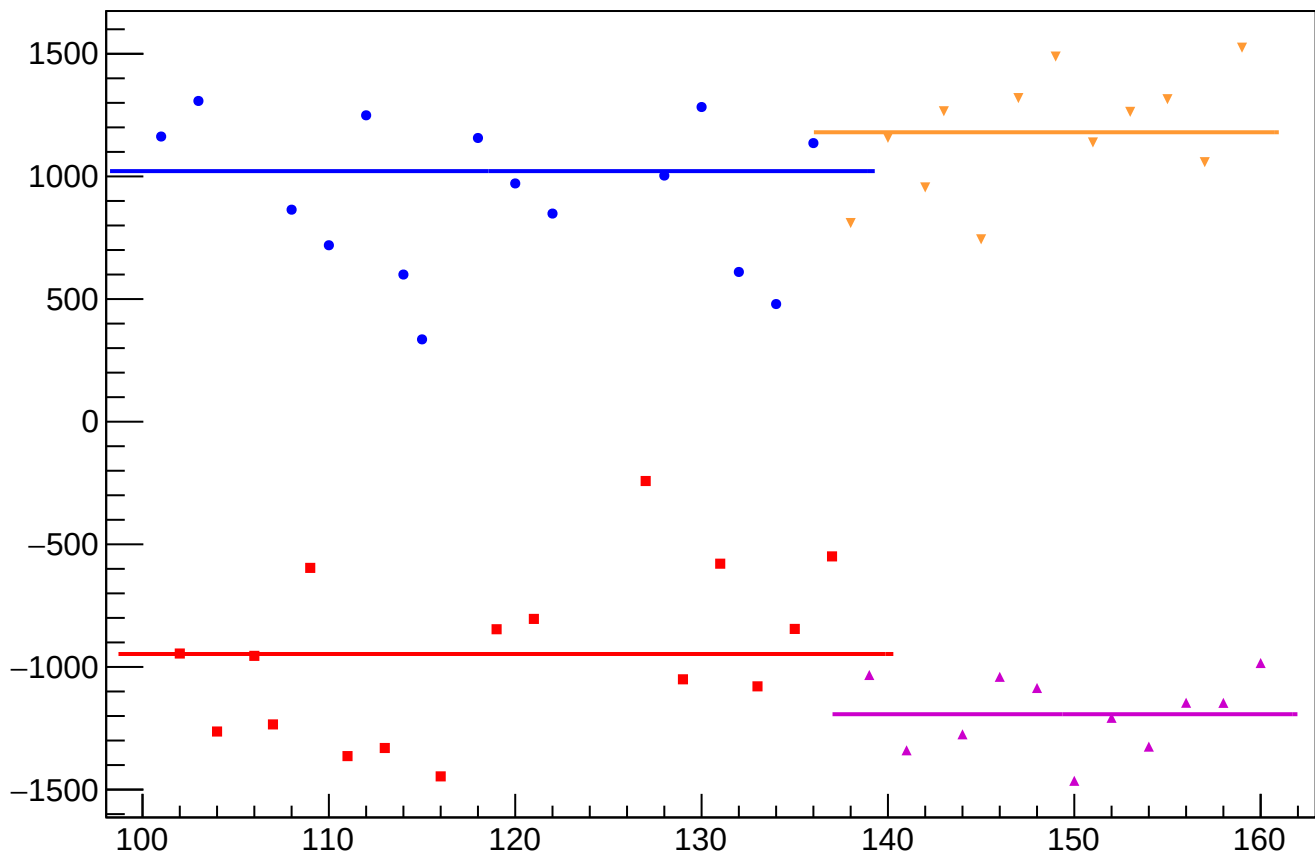
Left: 258.769 +/- 0.000 χ^2/NDF : 3307838906782510
 Right: 1587.778 +/- 0.000 χ^2/NDF : 19264741132603
 In: -10958.371 +/- 0.000 χ^2/NDF : 72805115559087
 Out: 12525.397 +/- 0.000 χ^2/NDF : 79801092816696
 All: 813.296 +/- 0.000 χ^2/NDF : 196090705413

dit_sam2_coil7_err_mean vs Slug, Sign Corrected



Right In: 1958.835+/-0.000 χ^2/NDF : 1189322999631358431600643692981190131712.0/14
 Left Out: 1082.769+/-0.000 χ^2/NDF : 42435467592938018504955570075058831360.0/11
 Right Out: -1797.392+/-0.000 χ^2/NDF : 955096623879958195657195074614240215040.0/15
 Left In: -1136.738+/-0.000 χ^2/NDF : 36660640388160233770492299797174681600.0/10
 All: 3.718+/-0.000 χ^2/NDF : 91340604590309

dit_sam2_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

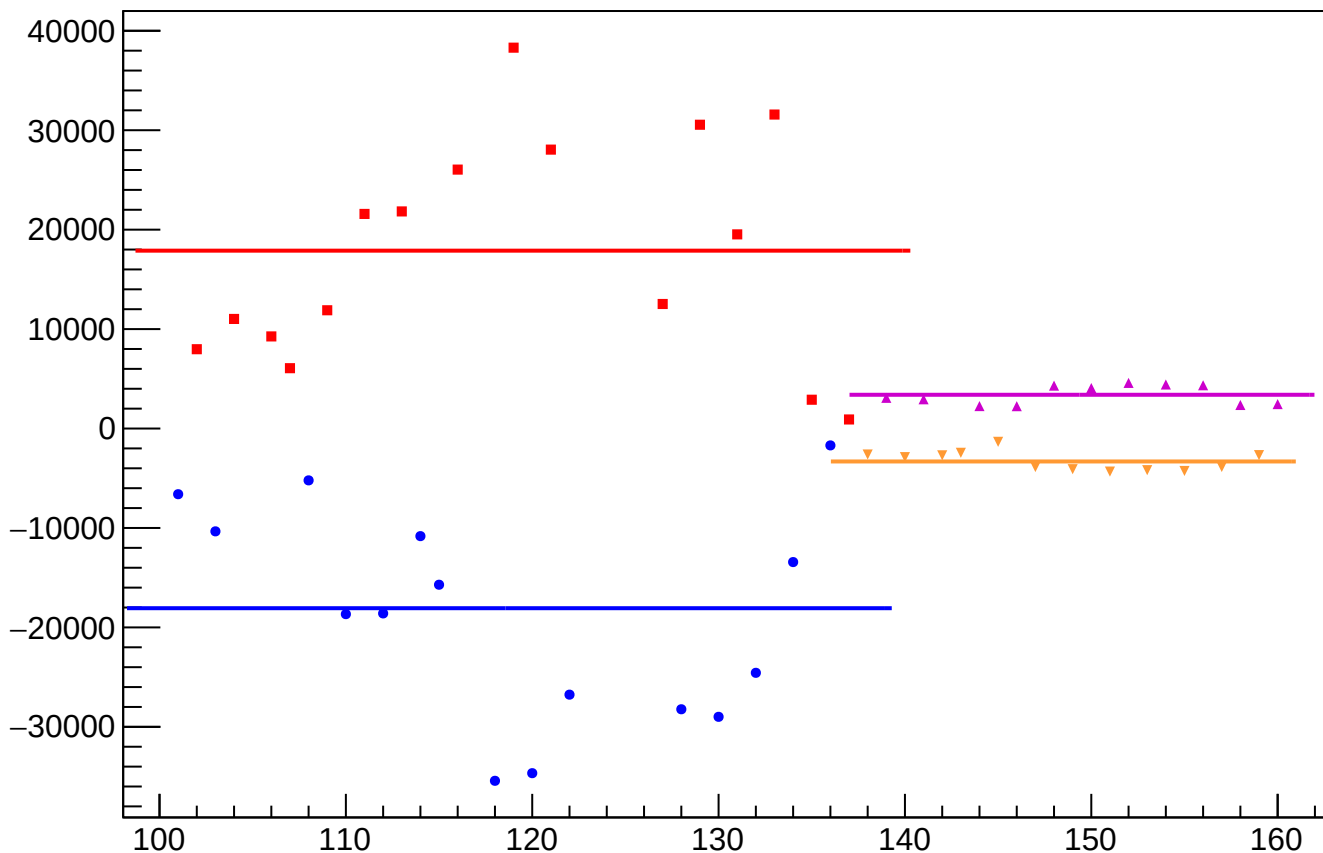
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

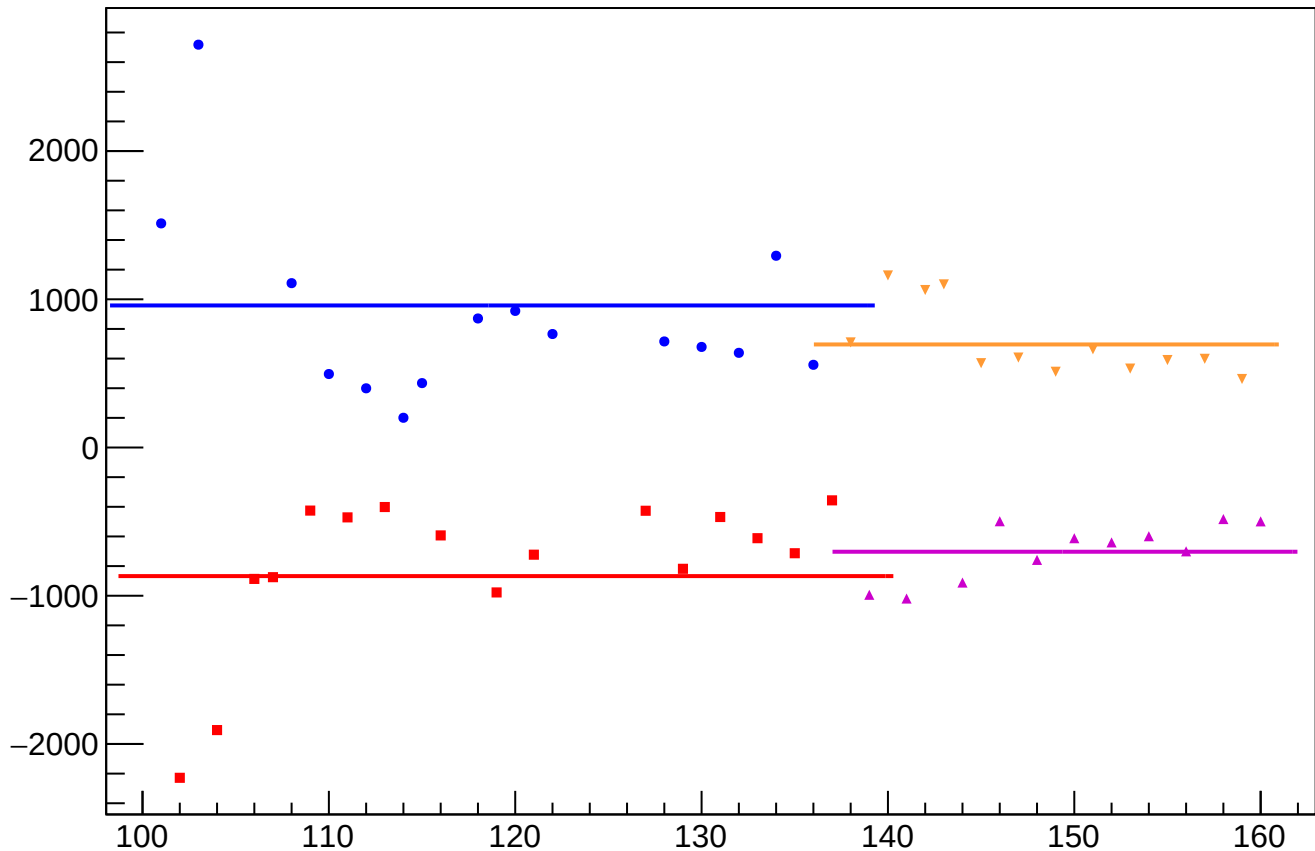
All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_sam3_coil7_mean vs Slug, Sign Corrected



Left: 59.413+/-0.000 χ^2/NDF : 2224729910575058
 Right In: -18068.550+/-0.000 χ^2/NDF : 84312156443533553417760933497753760169984.0/14
 Right: 155.704+/-0.000 χ^2/NDF : 587997392225656
 Left Out: -3312.000+/-0.000 χ^2/NDF : 776933675153970093414497932746986356736.0/11
 In: -5460.979+/-0.000 χ^2/NDF : 260733217471185
 Right Out: 17888.149+/-0.000 χ^2/NDF : 78405915612914252869875231068795393015808.0/15
 Out: 5632.022+/-0.000 χ^2/NDF : 252490604130367
 Left In: 3394.339+/-0.000 χ^2/NDF : 804969095824057391704293669390893711360.0/10
 All: 99.590+/-0.000 χ^2/NDF : 6102518020061

dit_sam3_coil7_err_mean vs Slug, Sign Corrected



Right In: 958.411 +/- 0.000

χ^2/NDF : 264733105058522822278137197070739570688.0/14

Left Out: 695.356 +/- 0.000

χ^2/NDF : 48004139750379541003610269806183317504.0/11

Right Out: -867.538 +/- 0.000

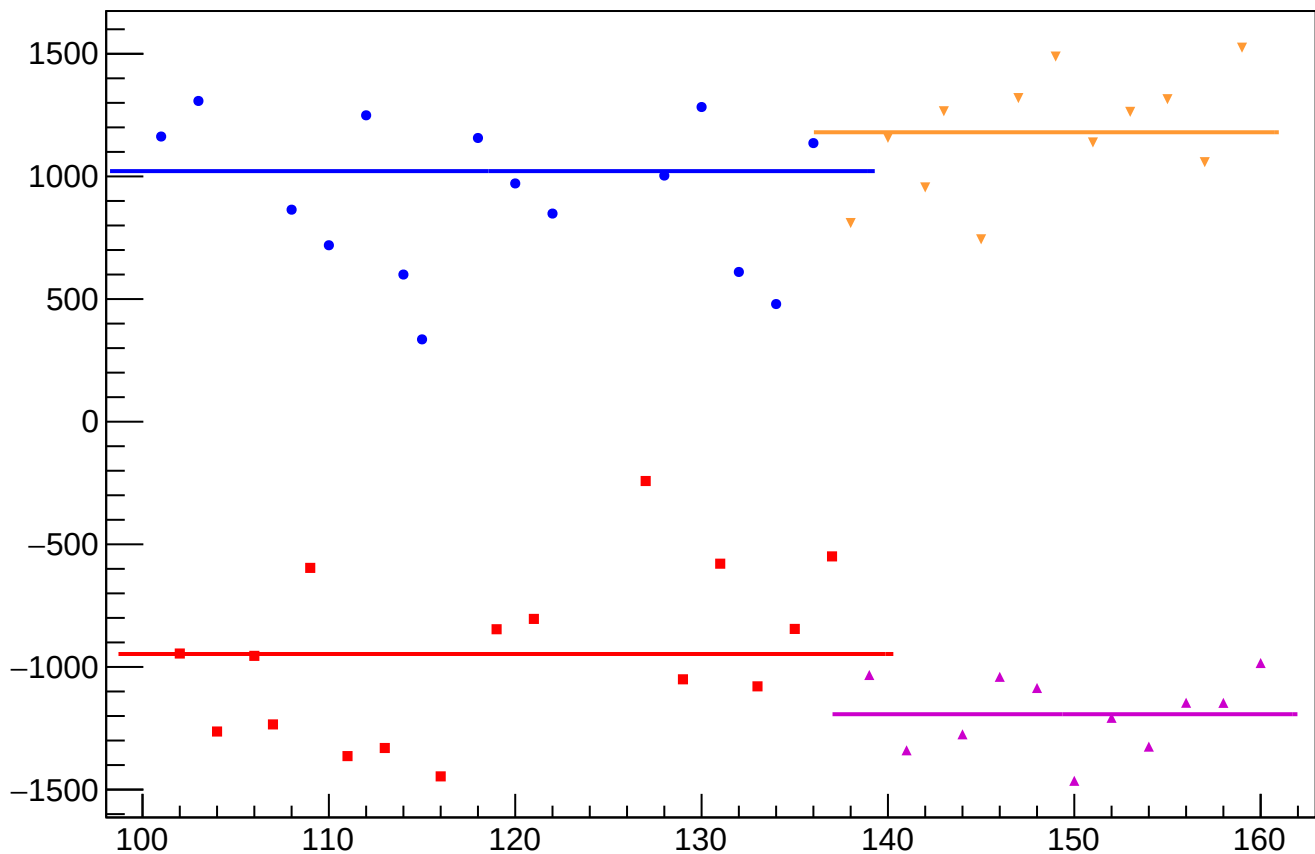
χ^2/NDF : 216129851545166714122252317604488151040.0/15

Left In: -703.169 +/- 0.000

χ^2/NDF : 32040531861451426969939944767733366784.0/10

All: 9.254 +/- 0.000 χ^2/NDF : 25575818346098

dit_sam3_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1180.103 +/- 0.000

χ^2/NDF : 50788606804690292724539730503787347968.0/11

Right Out: -947.145 +/- 0.000

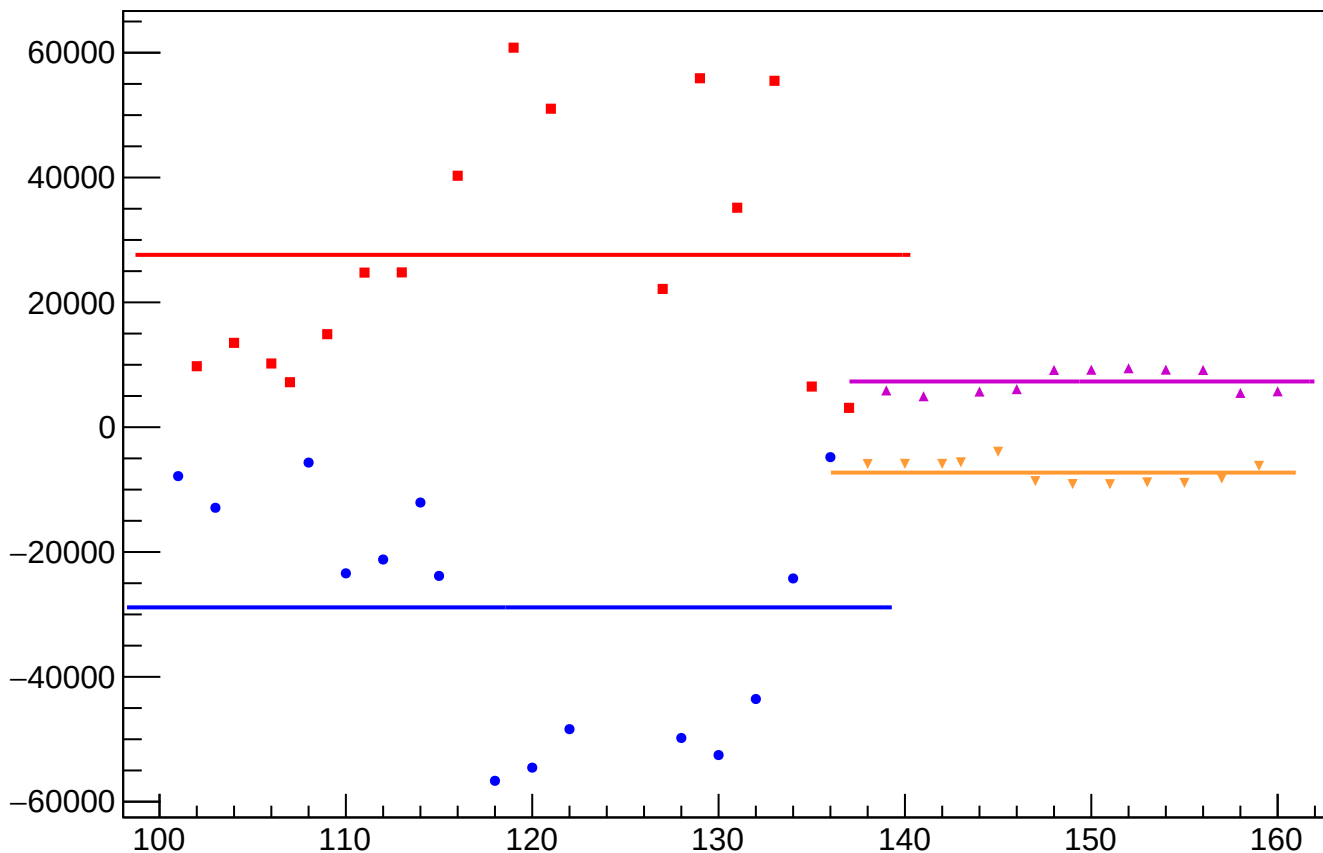
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 19255287383728205662654022867381911552.0/10

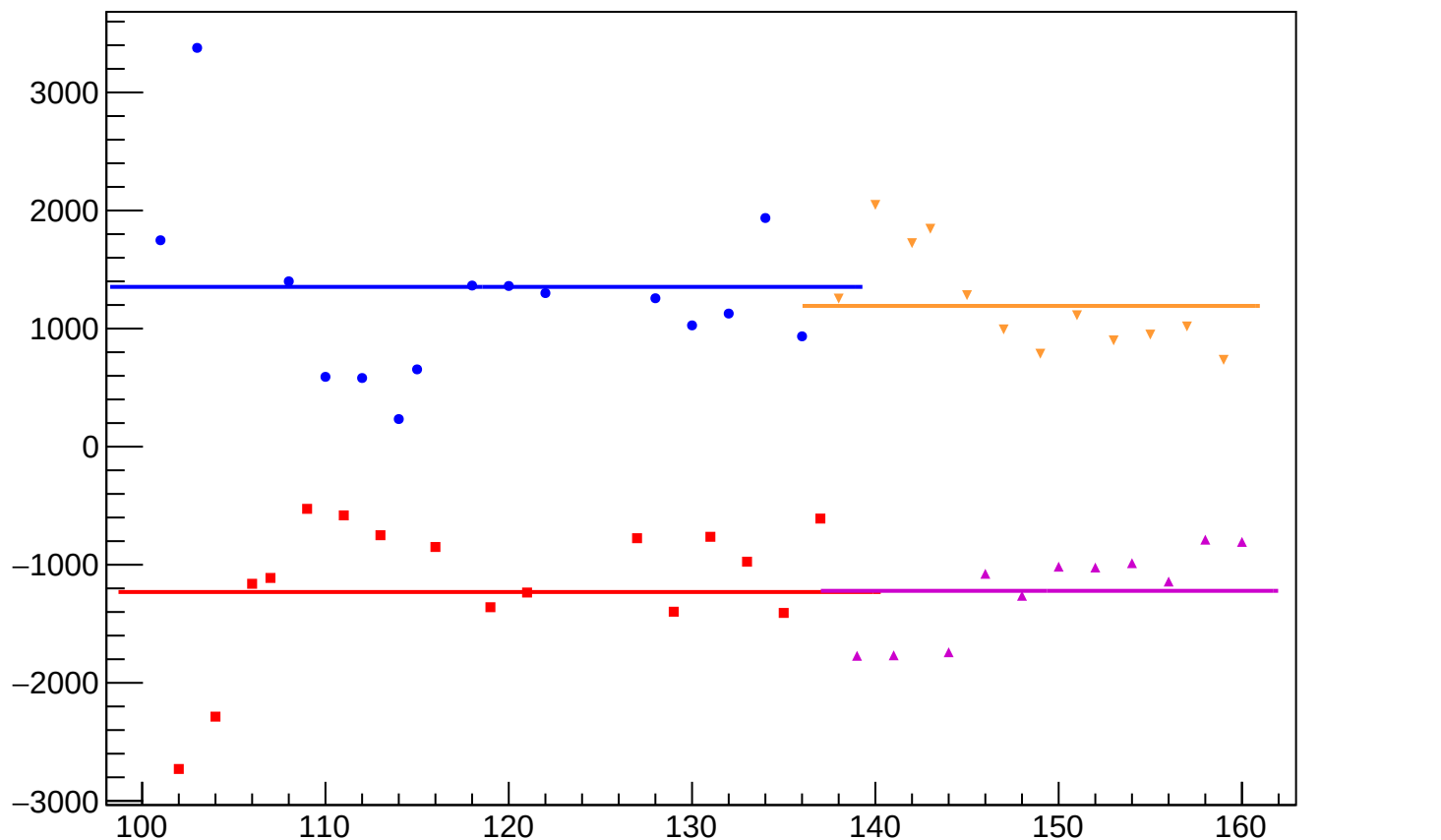
All: 2.504 +/- 0.000 χ^2/NDF : 40413764320356

dit_sam4_coil7_mean vs Slug, Sign Corrected



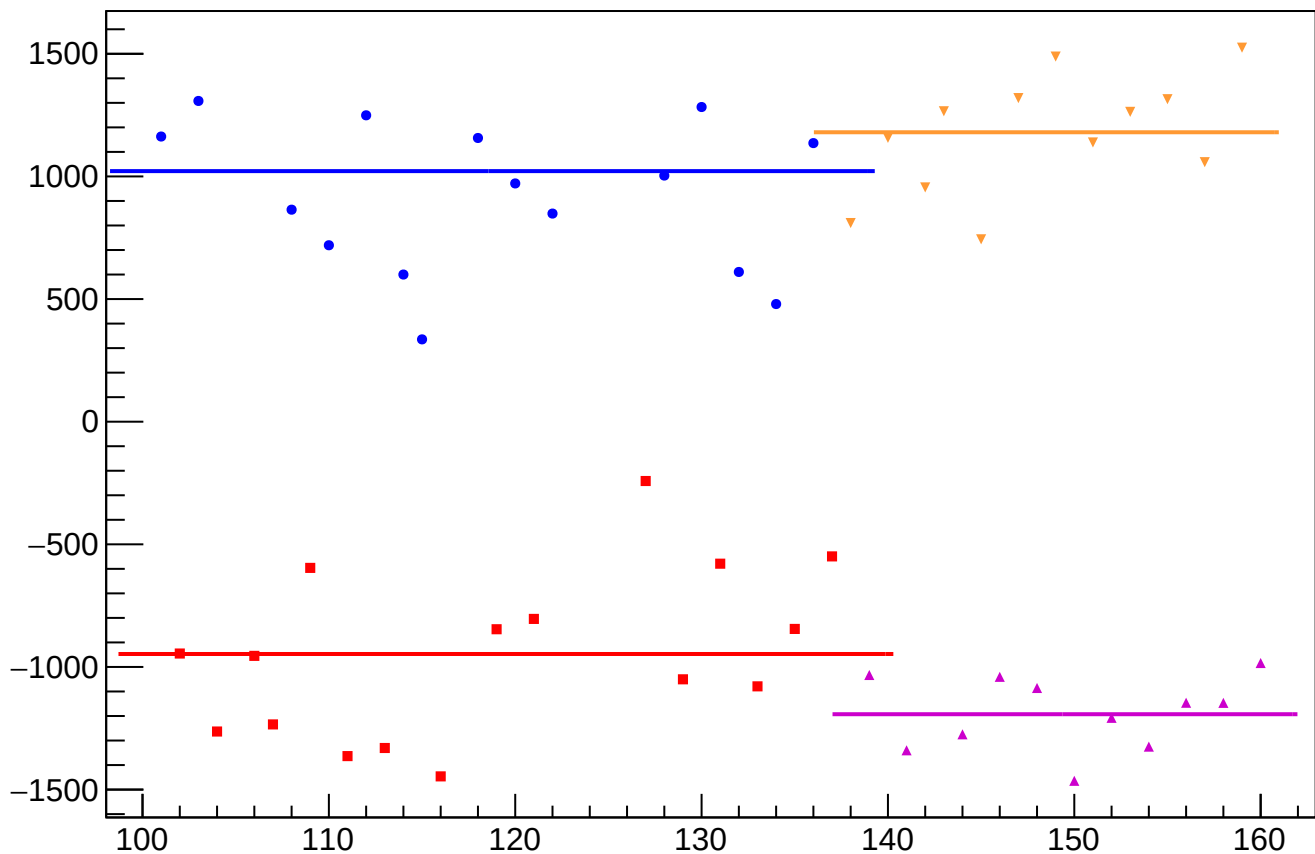
Right In: -28868.624+/-0.000 χ^2/NDF : 261450701095727362961367657926584124309504.0/14
 Left Out: -7277.886+/-0.000 χ^2/NDF : 2738867305918098068317388239234104557568.0/11
 Right Out: 27610.848+/-0.000 χ^2/NDF : 248097983477523504935751571384400118546432.0/15
 Left In: 7325.095+/-0.000 χ^2/NDF : 3045991167952377112422516937599716687872.0/10
 All: -64.332+/-0.000 χ^2/NDF : 166268033579

dit_sam4_coil7_err_mean vs Slug, Sign Corrected



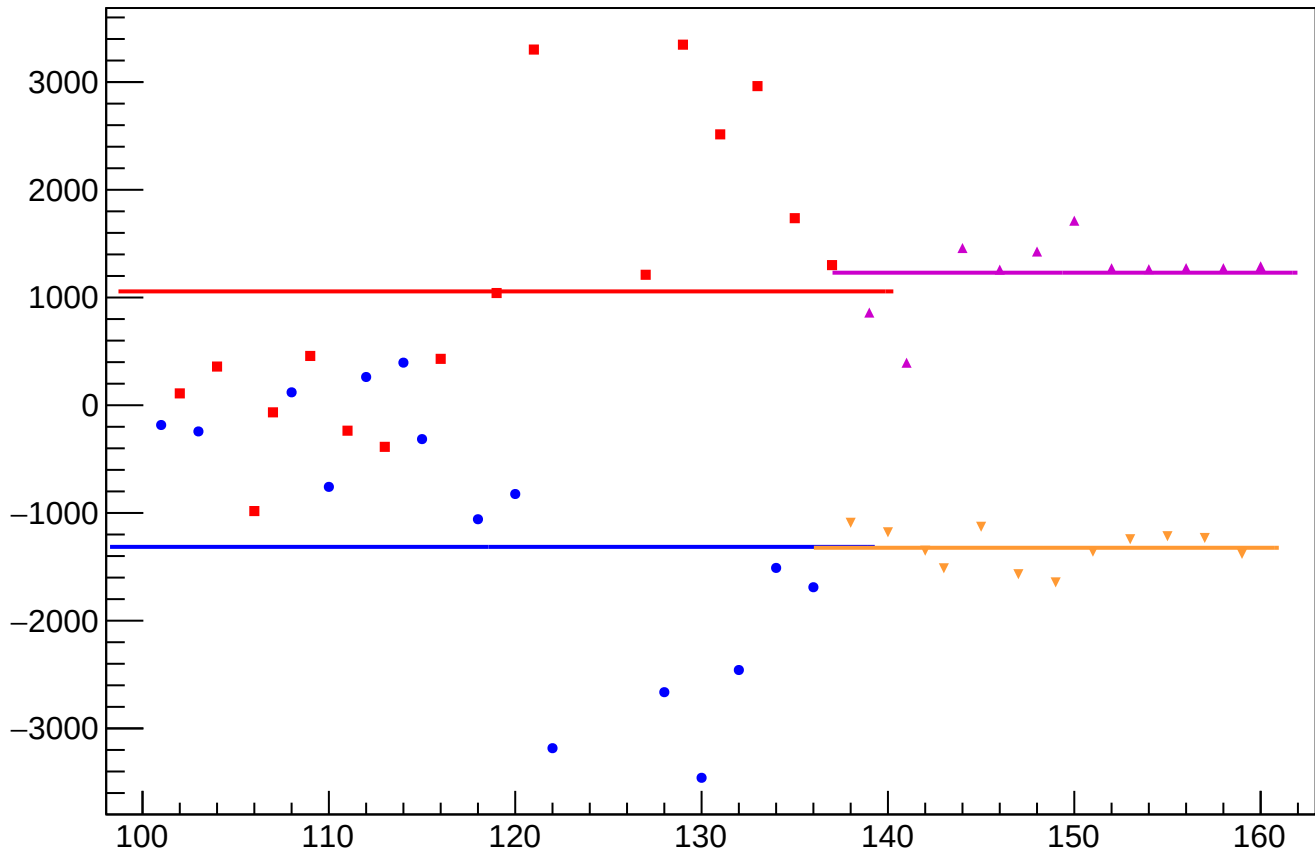
Right In: 1353.413 $\pm$ 0.000 χ^2 /NDF: 352887966702770713373861839880553758720.0/14
 Left Out: 1192.275 $\pm$ 0.000 χ^2 /NDF: 150893742871936420702627399426239365120.0/11
 Right Out: -1230.633 $\pm$ 0.000 χ^2 /NDF: 276989454129150005656872744539903754240.0/15
 Left In: -1220.761 $\pm$ 0.000 χ^2 /NDF: 116296897250486719965341990830940880896.0/10
 All: 6.116 $\pm$ 0.000 χ^2 /NDF: 57721489770329

dit_sam4_coil7_Ndata_mean vs Slug, Sign Corrected



Left: -12.747 +/- 0.000 χ^2/NDF : 2657013306605046
 Right In: 1021.684 +/- 0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Right: 23.805 +/- 0.000 χ^2/NDF : 1383338523153511
 Left Out: 1180.103 +/- 0.000 χ^2/NDF : 50788606804690292724539730503787347968.0/11
 In: -279.065 +/- 0.000 χ^2/NDF : 1929090788254319
 Right Out: -947.145 +/- 0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Out: 282.649 +/- 0.000 χ^2/NDF : 1863497273761245
 Left In: -1192.687 +/- 0.000 χ^2/NDF : 19255287383728205662654022867381911552.0/10
 All: 2.504 +/- 0.000 χ^2/NDF : 40413764320356

dit_sam5_coil7_mean vs Slug, Sign Corrected



Right In: -1314.782+/-0.000

Left Out: -1323.142+/-0.000

Right Out: 1056.765+/-0.000

Left In: 1230.430+/-0.000

χ^2/NDF : 966082368518203481544021644405645508608.0/14

χ^2/NDF : 27180584789293911694803613303409999872.0/11

χ^2/NDF : 1127141594187417021949832477353286041600.0/15

χ^2/NDF : 100431691068850056086409132460520505344.0/10

Left: -39.410+/-0.000 χ^2/NDF : 3123799611158754

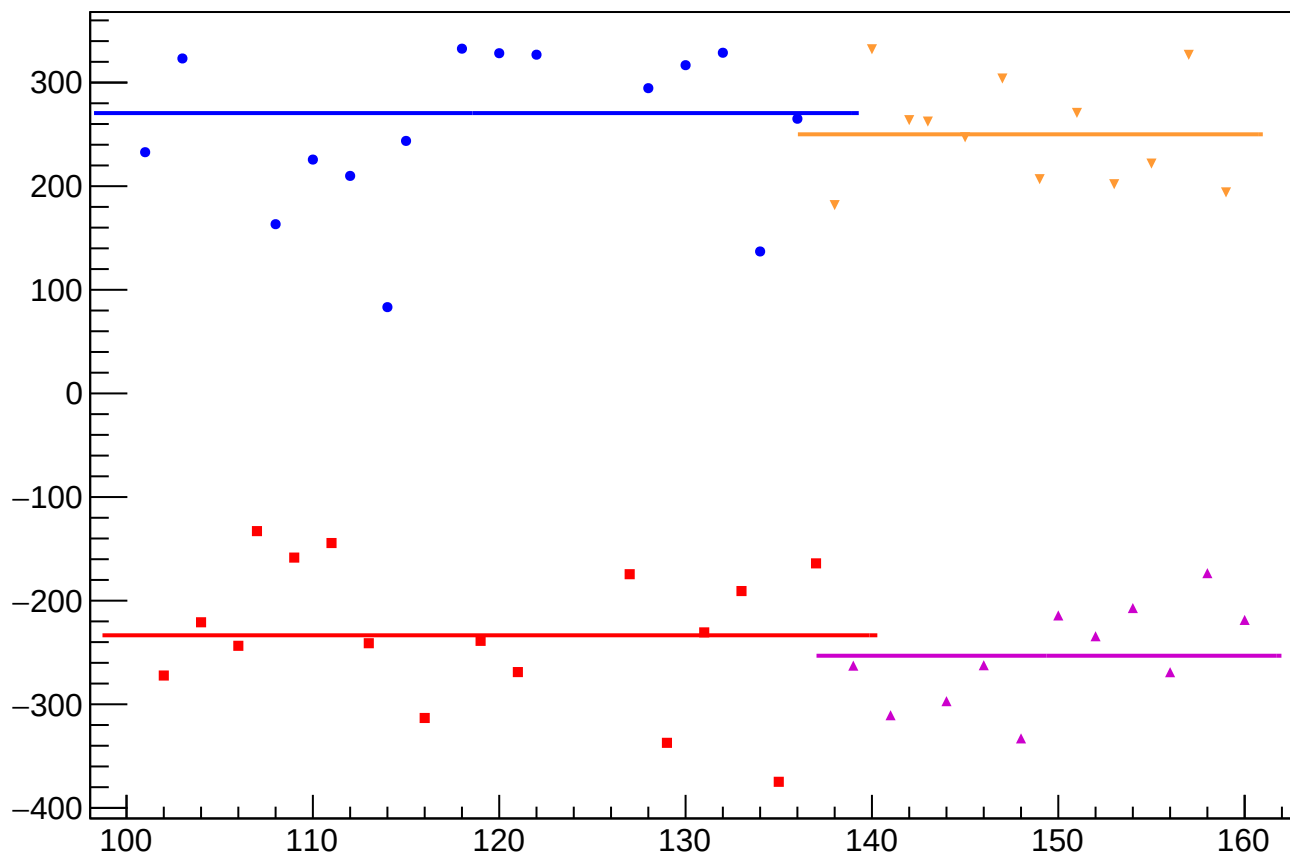
Right: -112.789+/-0.000 χ^2/NDF : 39432514405702

In: 180.308+/-0.000 χ^2/NDF : 35361660763294785

Out: -319.095+/-0.000 χ^2/NDF : 333836126374439

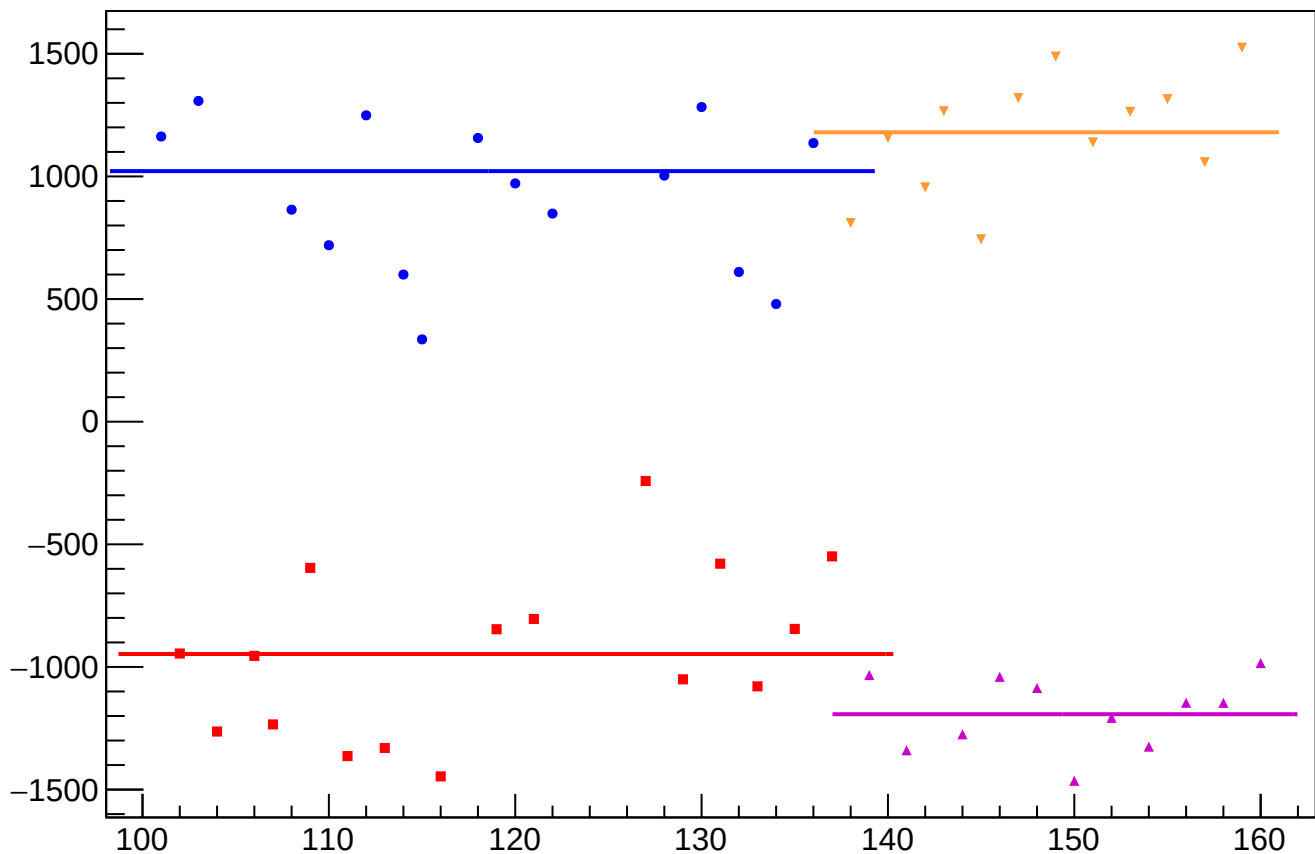
All: -70.027+/-0.000 χ^2/NDF : 707118050555

dit_sam5_coil7_err_mean vs Slug, Sign Corrected



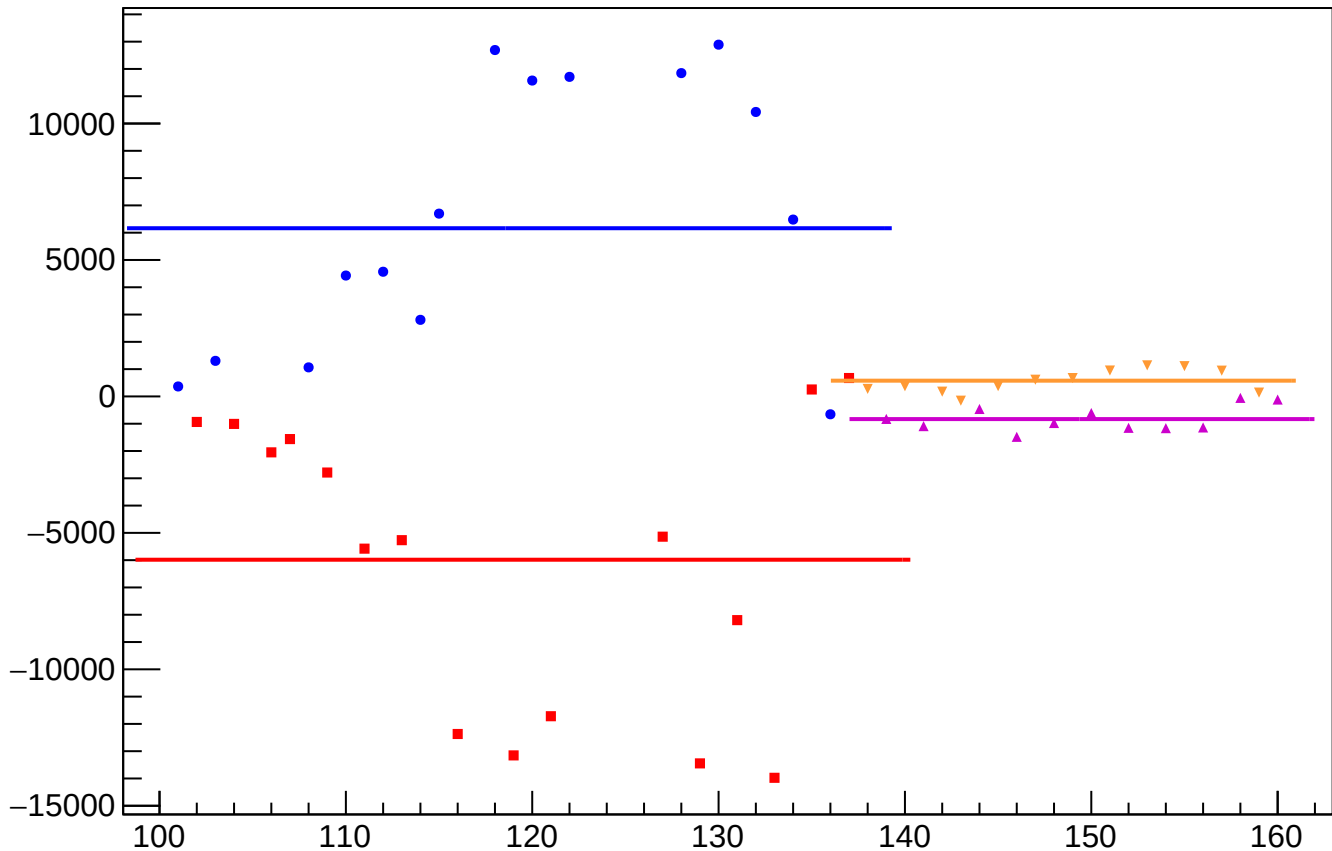
Right In: 270.538 $\pm$ 0.000 χ^2 /NDF: 2473839905347950323907848405170257920.0/14
 Left Out: 250.055 $\pm$ 0.000 χ^2 /NDF: 2329396041694824766683600755668025344.0/11
 Right Out: -233.421 $\pm$ 0.000 χ^2 /NDF: 3048529087317888615064010247743995904.0/15
 Left In: -253.145 $\pm$ 0.000 χ^2 /NDF: 1980196841930298045035907903943344128.0/10
 All: 4.607 $\pm$ 0.000 χ^2 /NDF: 20997016075743

dit_sam5_coil7_Ndata_mean vs Slug, Sign Corrected



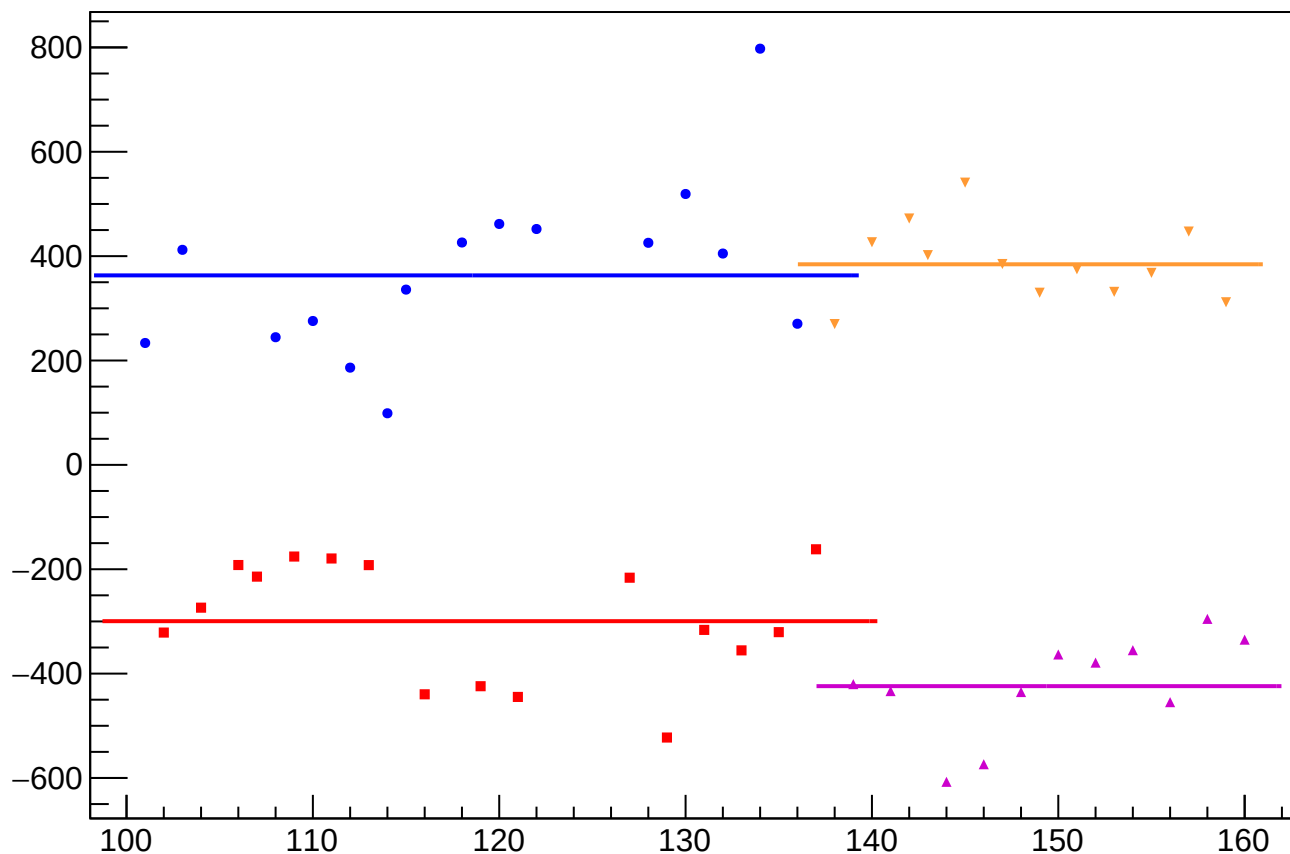
Left: -12.747 +/- 0.000 χ^2/NDF : 2657013306605046
 Right: 23.805 +/- 0.000 χ^2/NDF : 1383338523153511
 In: -279.065 +/- 0.000 χ^2/NDF : 1929090788254319
 Out: 282.649 +/- 0.000 χ^2/NDF : 1863497273761245
 All: 2.504 +/- 0.000 χ^2/NDF : 40413764320356

dit_sam6_coil7_mean vs Slug, Sign Corrected



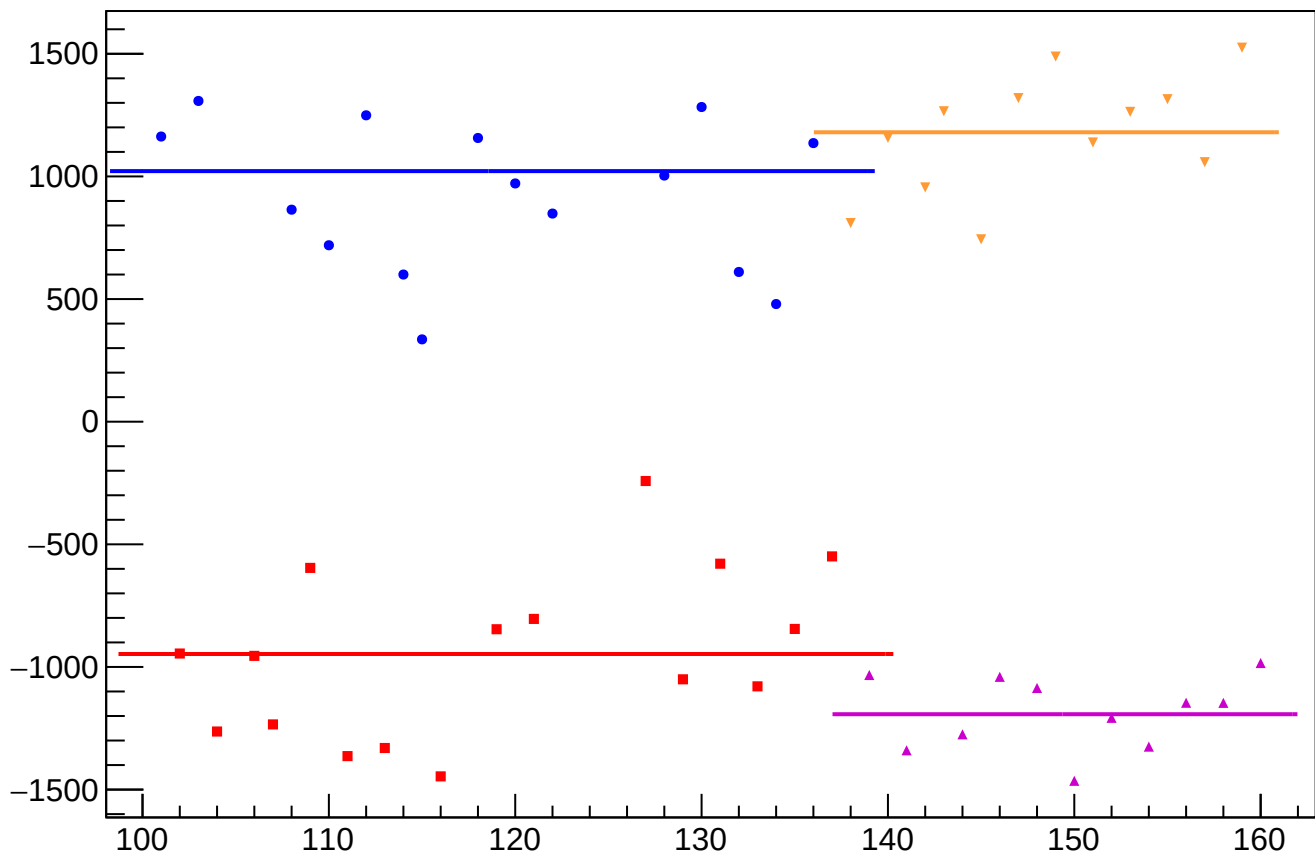
Right In: 6163.445+/-0.000 χ^2/NDF : 18200622549026770504746300139009854144512.0/14
 Left Out: 577.285+/-0.000 χ^2/NDF : 143964932817712353720884813497116917760.0/11
 Right Out: -5983.876+/-0.000 χ^2/NDF : 17505201913276273559161088764155841740800.0/15
 Left In: -830.587+/-0.000 χ^2/NDF : 172337092403726273197356020615128023040.0/10
 All: -73.239+/-0.000 χ^2/NDF : 854846167938

dit_sam6_coil7_err_mean vs Slug, Sign Corrected



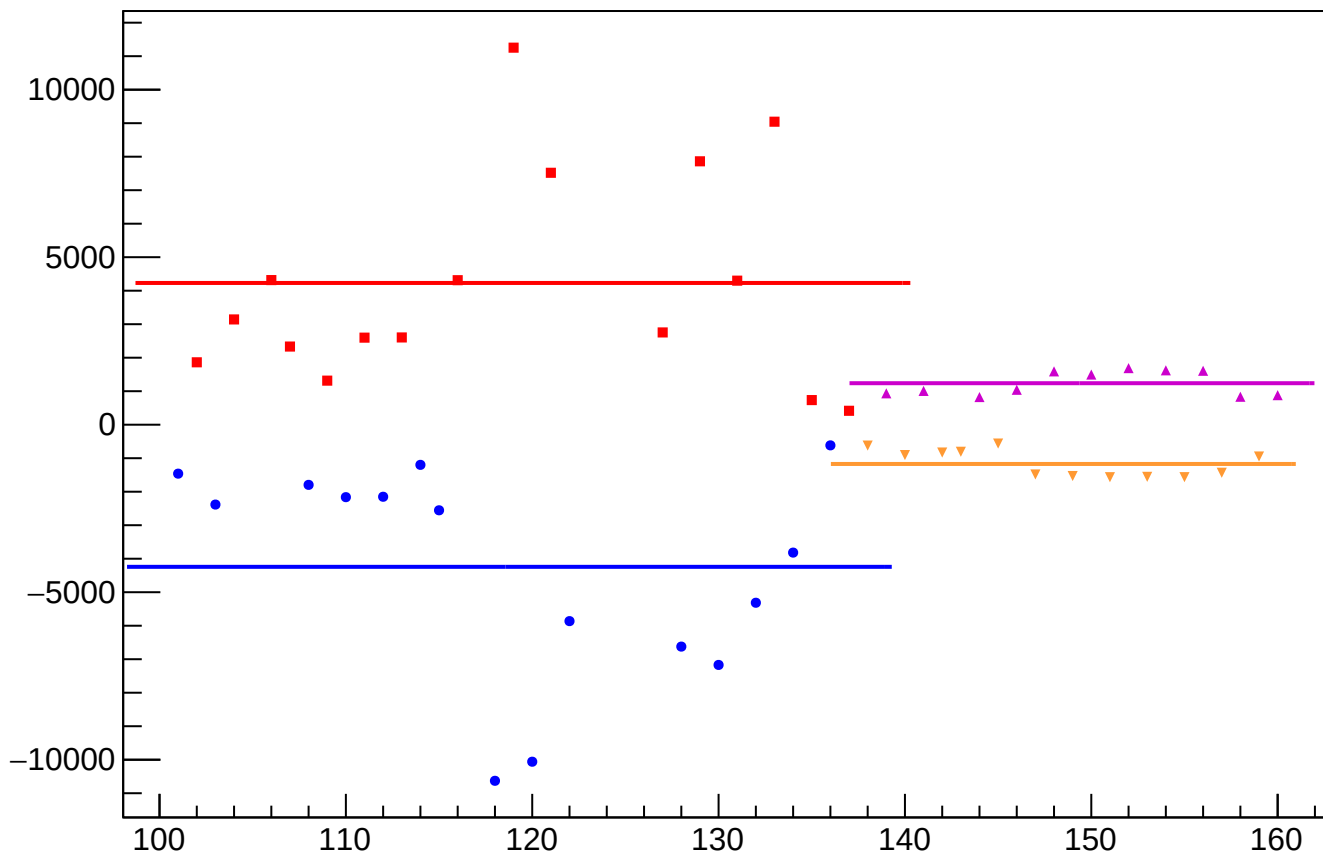
Left: -22.018 ± 0.000 χ^2/NDF : 3128182165483401
 Right In: 363.133 ± 0.000 χ^2/NDF : 11502791697076456426435998277995331584.0/14
 Right: 27.278 ± 0.000 χ^2/NDF : 1636258096450768
 Left Out: 384.397 ± 0.000 χ^2/NDF : 4703352228141784942428920611126378496.0/11
 In: -99.259 ± 0.000 χ^2/NDF : 25553843980228518
 Right Out: -299.514 ± 0.000 χ^2/NDF : 7685497318744225218354652828984672256.0/15
 Out: 95.865 ± 0.000 χ^2/NDF : 19274864098076935
 Left In: -424.034 ± 0.000 χ^2/NDF : 7812894231718086106241094868881375232.0/10
 All: -1.449 ± 0.000 χ^2/NDF : 4783076167376

dit_sam6_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 $\pm$ 0.000 χ^2 /NDF: 40493101470870278397836276403592495104.0/14
 Left Out: 1180.103 $\pm$ 0.000 χ^2 /NDF: 50788606804690292724539730503787347968.0/11
 Right Out: -947.145 $\pm$ 0.000 χ^2 /NDF: 67784656011936521511169668028018196480.0/15
 Left In: -1192.687 $\pm$ 0.000 χ^2 /NDF: 19255287383728205662654022867381911552.0/10
 All: 2.504 $\pm$ 0.000 χ^2 /NDF: 40413764320356

dit_sam7_coil7_mean vs Slug, Sign Corrected



Right In: -4242.174+/-0.000

χ^2/NDF : 6783472272174151371145601081742110752768.0/14

Left Out: -1171.784+/-0.000

χ^2/NDF : 137401425112319786783295403719378599936.0/11

Right Out: 4230.978+/-0.000

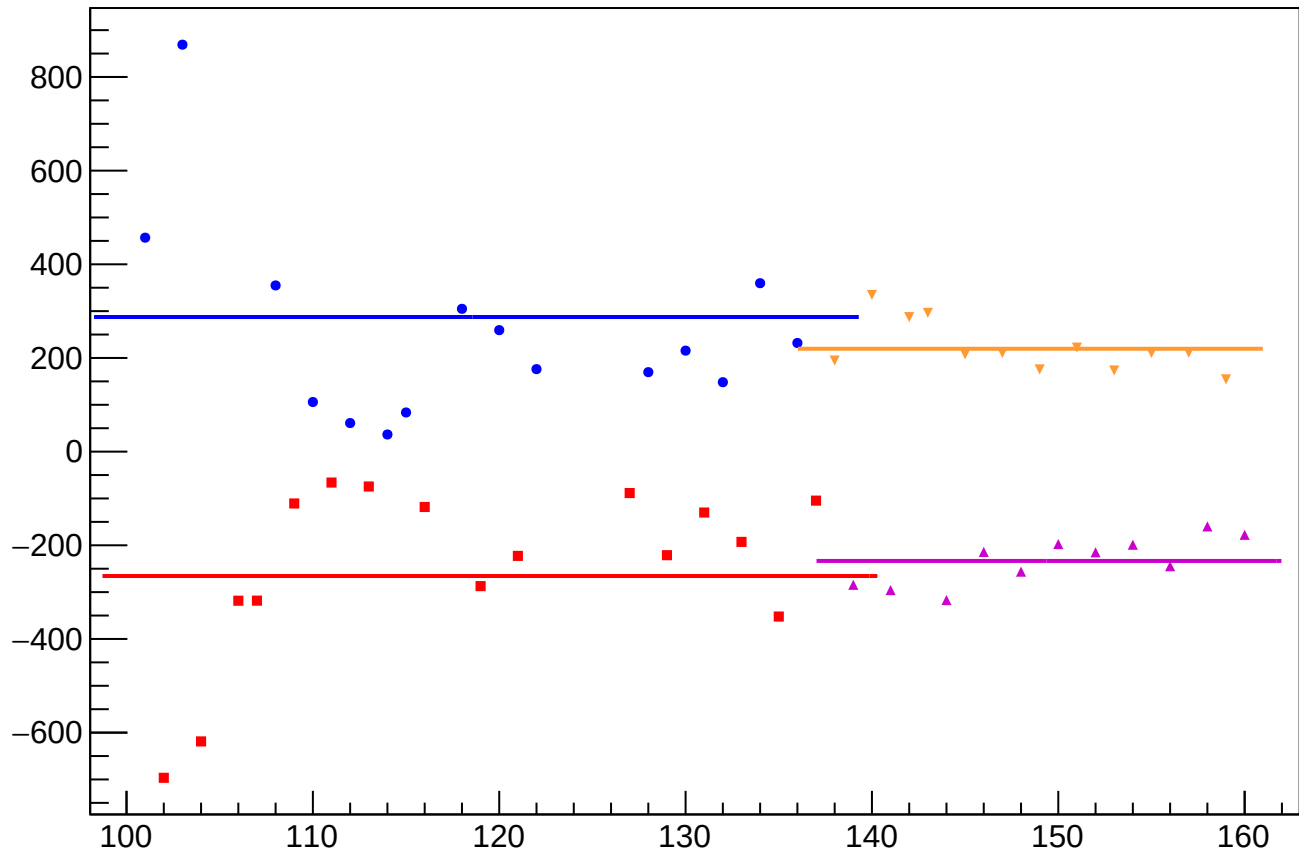
χ^2/NDF : 6682409528103016752204343573740930465792.0/15

Left In: 1238.776+/-0.000

χ^2/NDF : 111339045659652616720712870833504124928.0/10

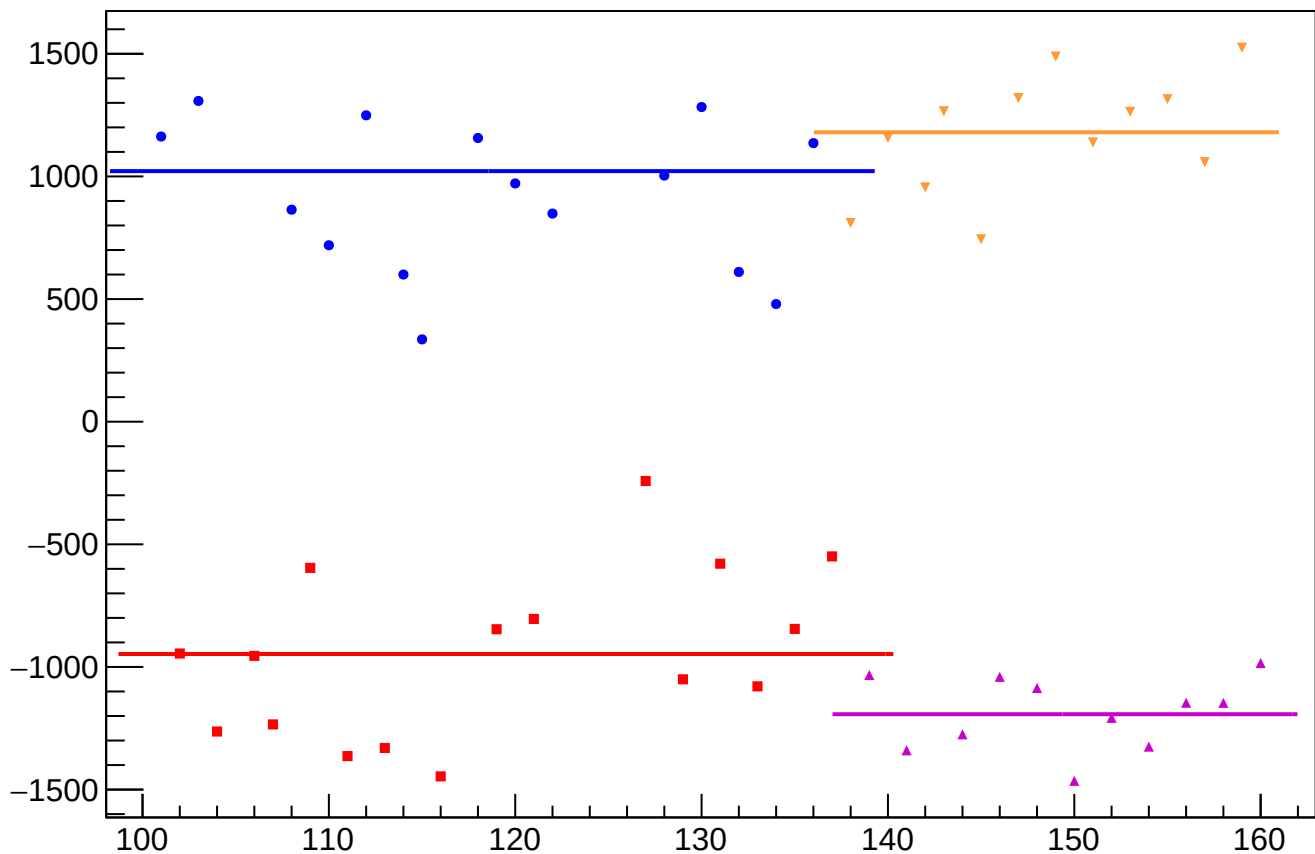
All: 45.184+/-0.000 χ^2/NDF : 4000063219777

dit_sam7_coil7_err_mean vs Slug, Sign Corrected



Right In: 287.460 $\pm$ 0.000 χ^2 /NDF: 29517044144826155936619151581366976512.0/14
 Left Out: 219.672 $\pm$ 0.000 χ^2 /NDF: 2455507522676926762328692419180101632.0/11
 Right Out: -265.593 $\pm$ 0.000 χ^2 /NDF: 25843263106329059274985499259066908672.0/15
 Left In: -233.397 $\pm$ 0.000 χ^2 /NDF: 2171341737989359237753599766499950592.0/10
 All: -1.734 $\pm$ 0.000 χ^2 /NDF: 2550962914121

dit_sam7_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1180.103 +/- 0.000

χ^2/NDF : 50788606804690292724539730503787347968.0/11

Right Out: -947.145 +/- 0.000

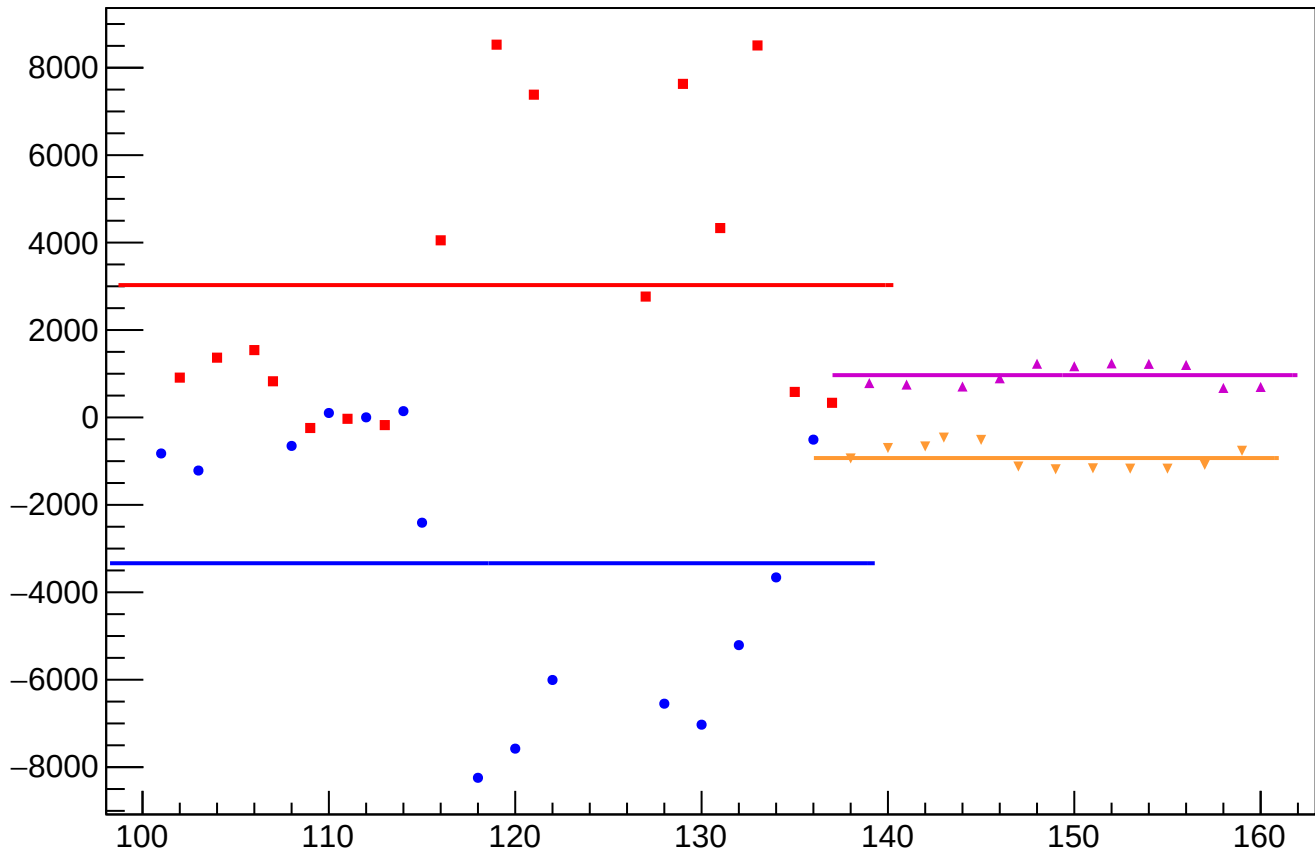
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 19255287383728205662654022867381911552.0/10

All: 2.504 +/- 0.000 χ^2/NDF : 40413764320356

dit_sam8_coil7_mean vs Slug, Sign Corrected



Right In: -3335.273+/-0.000

χ^2/NDF : 6338087251589637529030075517152423575552.0/14

Left Out: -928.862+/-0.000

χ^2/NDF : 62250510021534104734591710459968094208.0/11

Right Out: 3027.603+/-0.000

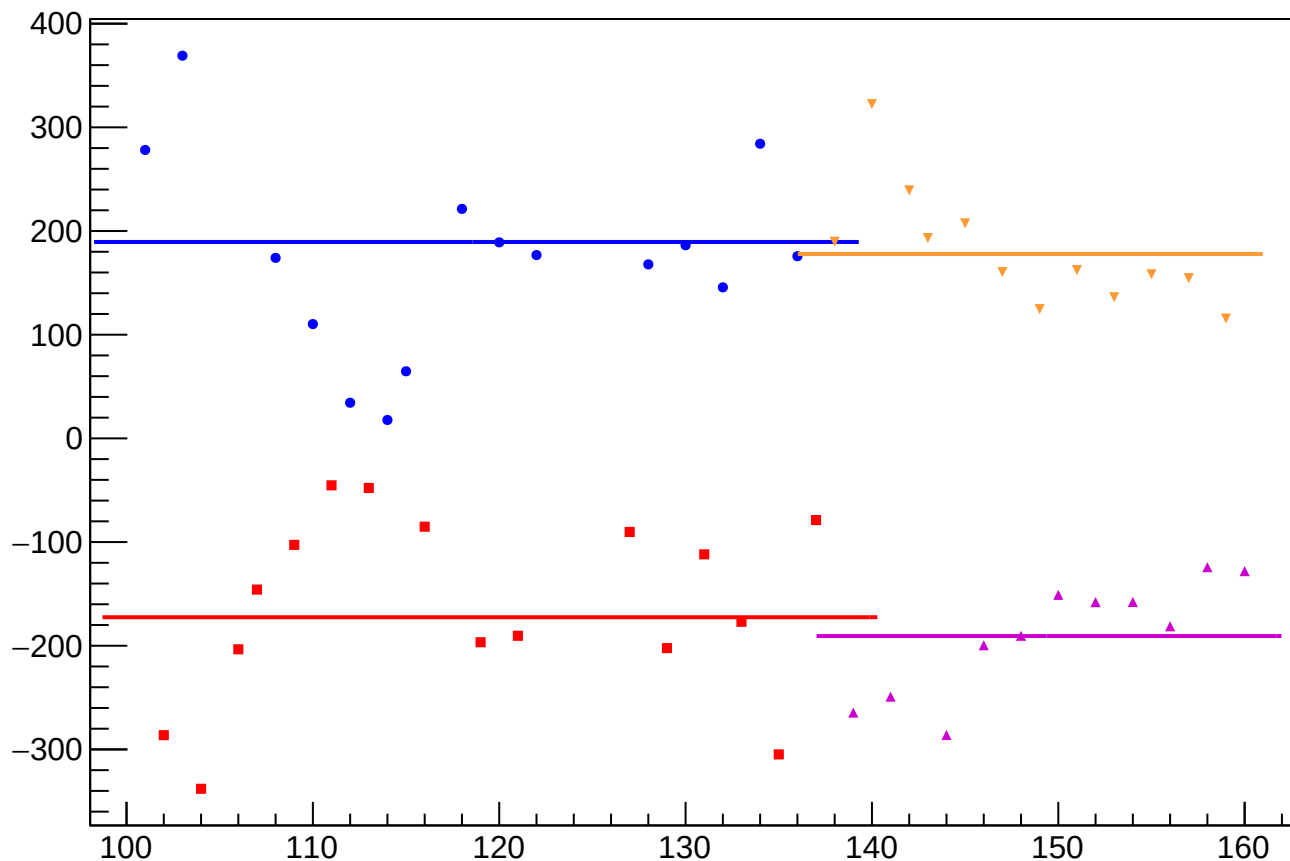
χ^2/NDF : 7086157086694396583090903767581326311424.0/15

Left In: 967.568+/-0.000

χ^2/NDF : 51461881619401718567497787720865939456.0/10

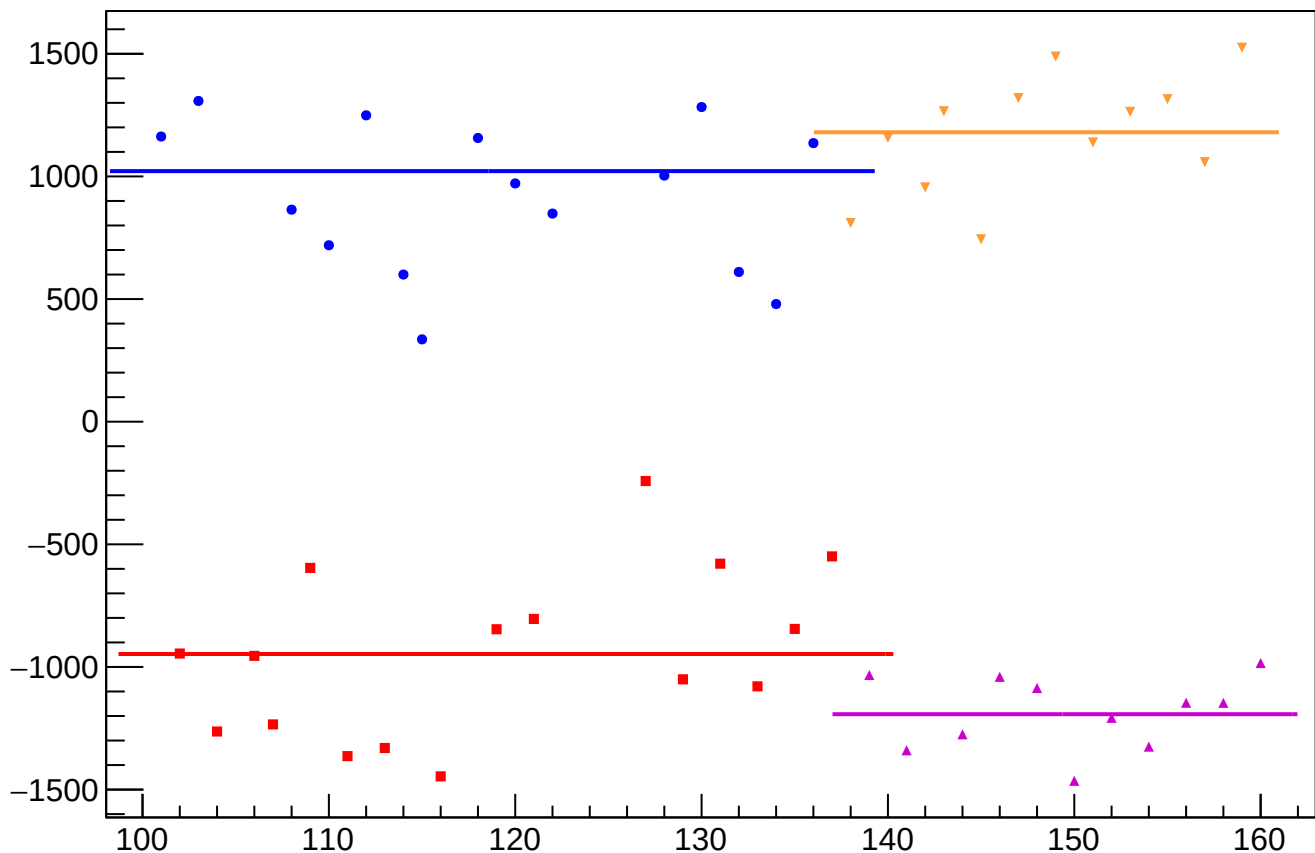
All: -31.746+/-0.000 χ^2/NDF : 285218808380

dit_sam8_coil7_err_mean vs Slug, Sign Corrected



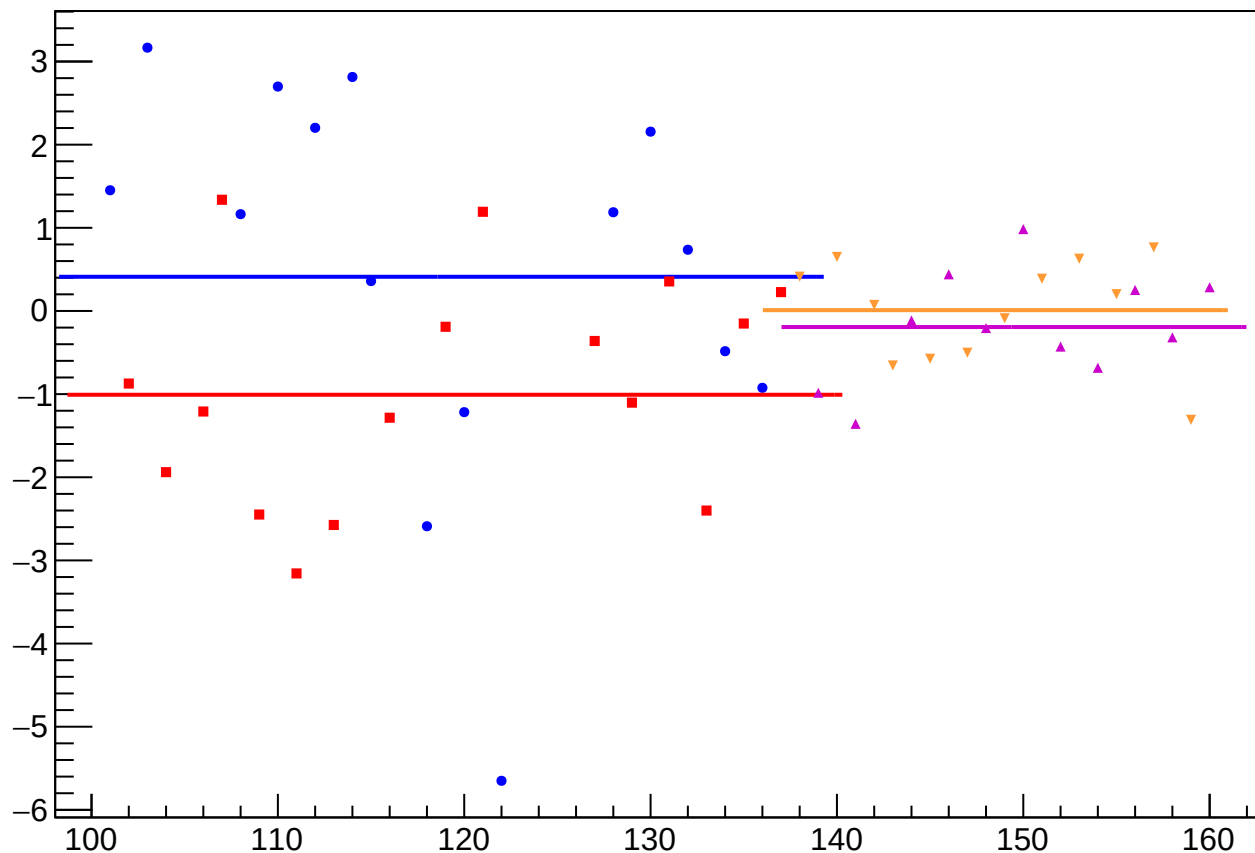
Right In: 189.442 +/- 0.000 χ^2/NDF : 4707234253929700721726064108794544128.0/14
 Left Out: 177.811 +/- 0.000 χ^2/NDF : 2793392529927944860081581234505908224.0/11
 Right Out: -172.485 +/- 0.000 χ^2/NDF : 5594813408996728261938711470404534272.0/15
 Left In: -190.641 +/- 0.000 χ^2/NDF : 2536070386684067132001548898091925504.0/10
 All: -1.818 +/- 0.000 χ^2/NDF : 1212358862395

dit_sam8_coil7_Ndata_mean vs Slug, Sign Corrected



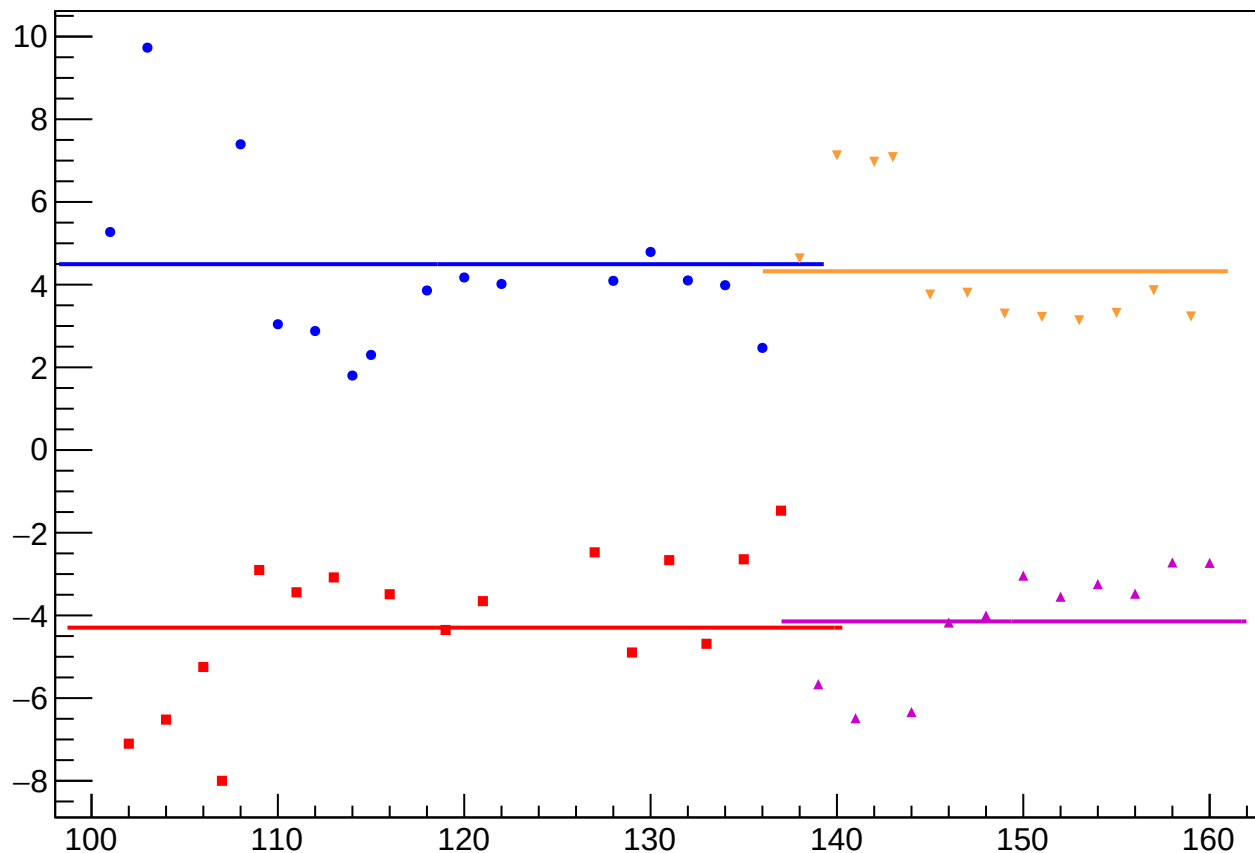
Right In: 1021.684 $\pm$ 0.000 χ^2 /NDF: 40493101470870278397836276403592495104.0/14
 Left Out: 1180.103 $\pm$ 0.000 χ^2 /NDF: 50788606804690292724539730503787347968.0/11
 Right Out: -947.145 $\pm$ 0.000 χ^2 /NDF: 67784656011936521511169668028018196480.0/15
 Left In: -1192.687 $\pm$ 0.000 χ^2 /NDF: 19255287383728205662654022867381911552.0/10
 All: 2.504 $\pm$ 0.000 χ^2 /NDF: 40413764320356

dit_4aX_coil4_mean vs Slug, Sign Corrected



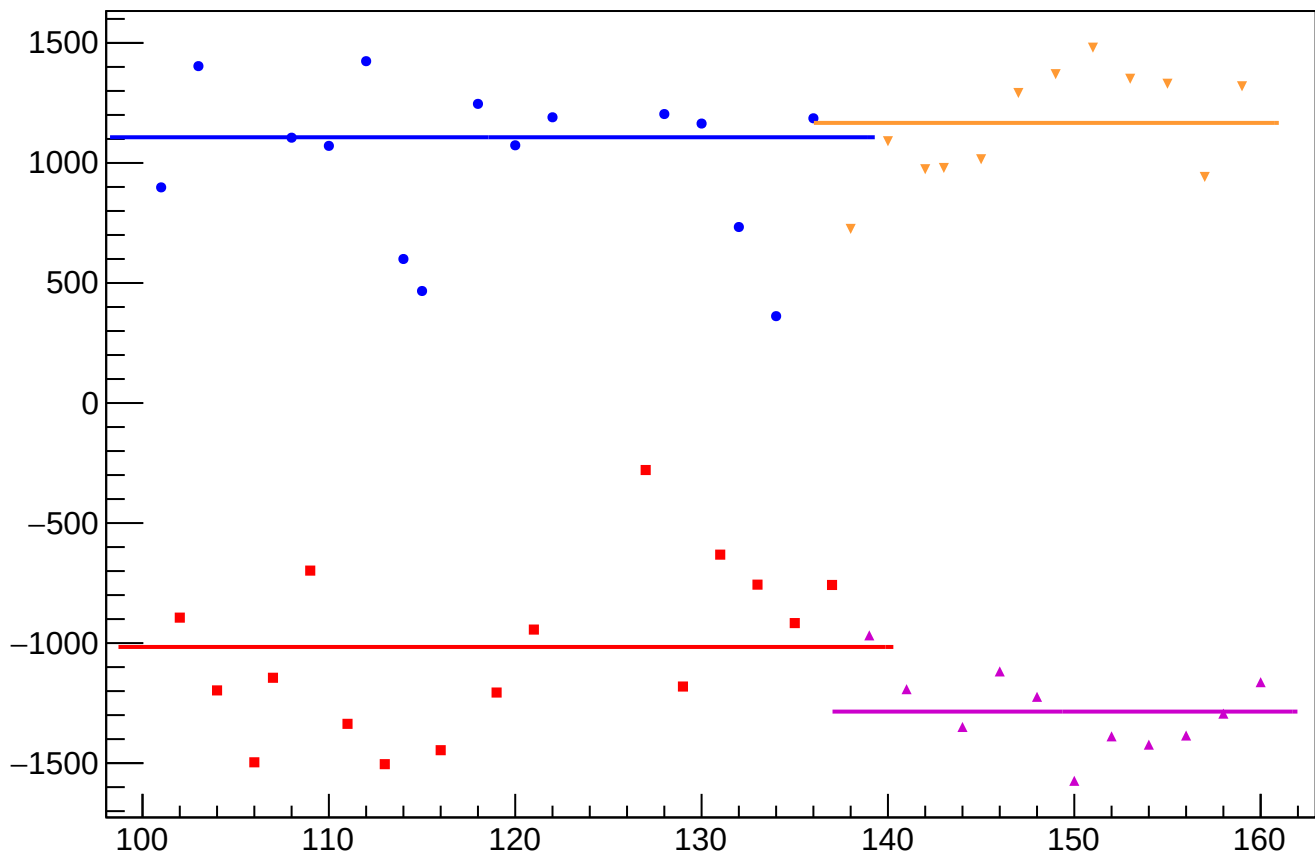
Right In: 0.411 ± 0.000 $\chi^2/\text{NDF}: 3385573506255563170053089820409856.0/14$
 Left Out: 0.010 ± 0.000 $\chi^2/\text{NDF}: 354573516648160349272665694928896.0/11$
 Right Out: -1.008 ± 0.000 $\chi^2/\text{NDF}: 1128402228144096394498047410700288.0/15$
 Left In: -0.193 ± 0.000 $\chi^2/\text{NDF}: 386133523330033860307880234713088.0/10$
 All: -0.182 ± 0.000 $\chi^2/\text{NDF}: 5971597389441$

dit_4aX_coil4_err_mean vs Slug, Sign Corrected



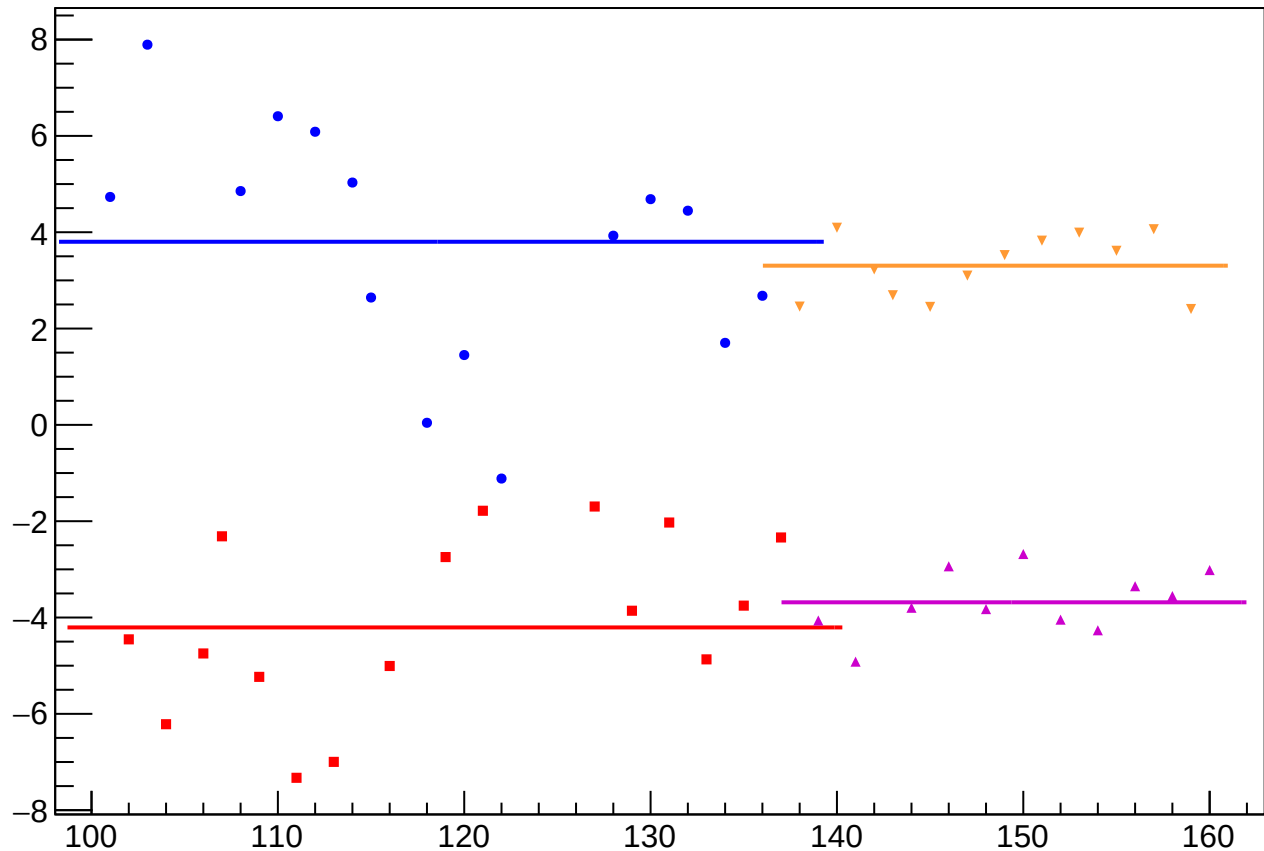
Right In: 4.495 $\pm$ 0.000 χ^2 /NDF: 2742240072441097531500728791597056.0/14
 Left Out: 4.324 $\pm$ 0.000 χ^2 /NDF: 2025534969388950058407109119180800.0/11
 Right Out: -4.296 $\pm$ 0.000 χ^2 /NDF: 2011925707062051890381007475441664.0/15
 Left In: -4.145 $\pm$ 0.000 χ^2 /NDF: 1645942604303349608571849827942400.0/10
 All: 0.055 $\pm$ 0.000 χ^2 /NDF: 66802270544338

dit_4aX_coil4_Ndata_mean vs Slug, Sign Corrected



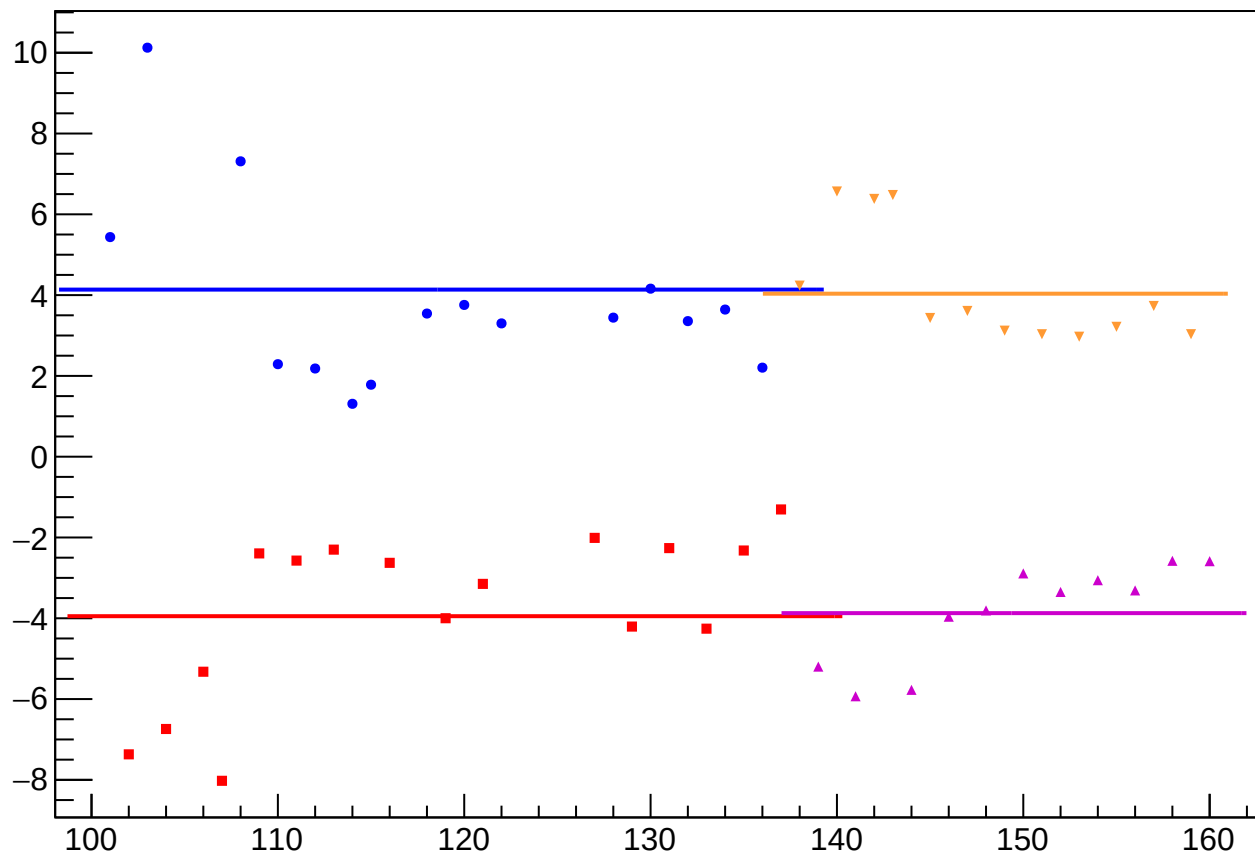
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_4eX_coil4_mean vs Slug, Sign Corrected



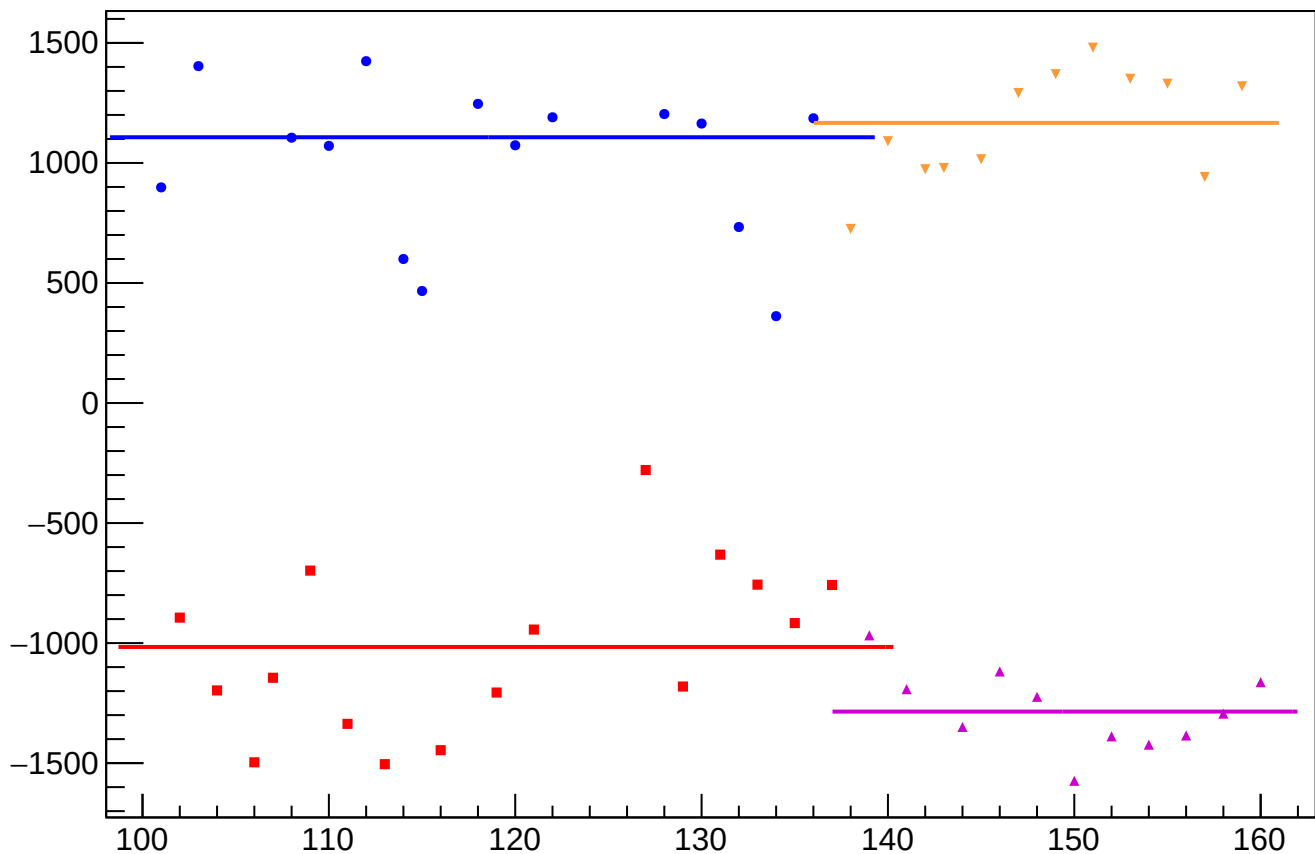
Right In: 3.802 ± 0.000 $\chi^2/\text{NDF}: 3795476074398338930564700657680384.0/14$
 Left Out: 3.305 ± 0.000 $\chi^2/\text{NDF}: 375514605339805624898679558111232.0/11$
 Right Out: -4.206 ± 0.000 $\chi^2/\text{NDF}: 2096427813341454573332265183477760.0/15$
 Left In: -3.684 ± 0.000 $\chi^2/\text{NDF}: 366001419656422310601850072596480.0/10$
 All: -0.229 ± 0.000 $\chi^2/\text{NDF}: 5017617766780$

dit_4eX_coil4_err_mean vs Slug, Sign Corrected



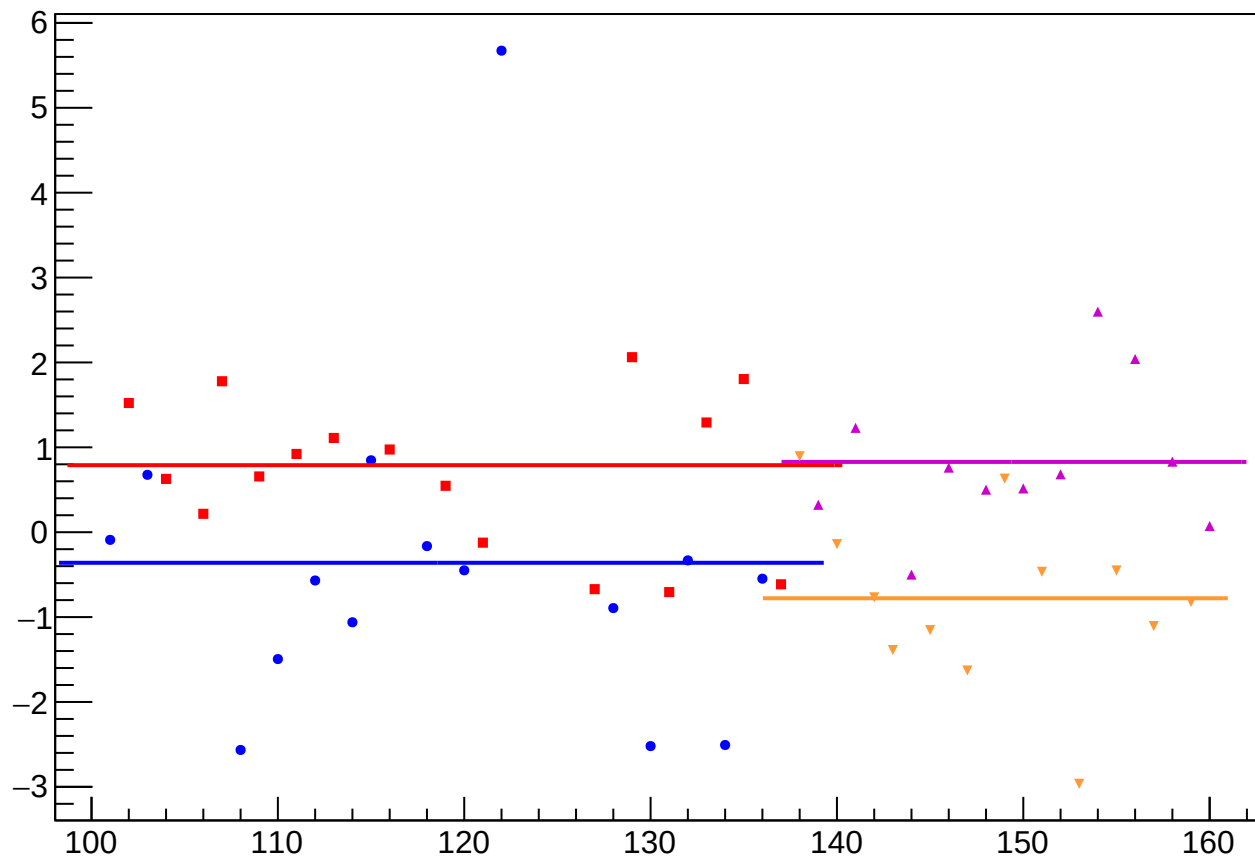
Right In: 4.136 $\pm$ 0.000 χ^2 /NDF: 3507600624388663919898505496231936.0/14
 Left Out: 4.035 $\pm$ 0.000 χ^2 /NDF: 16092990613525785486150138363904.0/11
 Right Out: -3.948 $\pm$ 0.000 χ^2 /NDF: 2670176783942302028345551100051456.0/15
 Left In: -3.873 $\pm$ 0.000 χ^2 /NDF: 1278598291391127694323835331411968.0/10
 All: 0.051 $\pm$ 0.000 χ^2 /NDF: 59300481694443

dit_4eX_coil4_Ndata_mean vs Slug, Sign Corrected



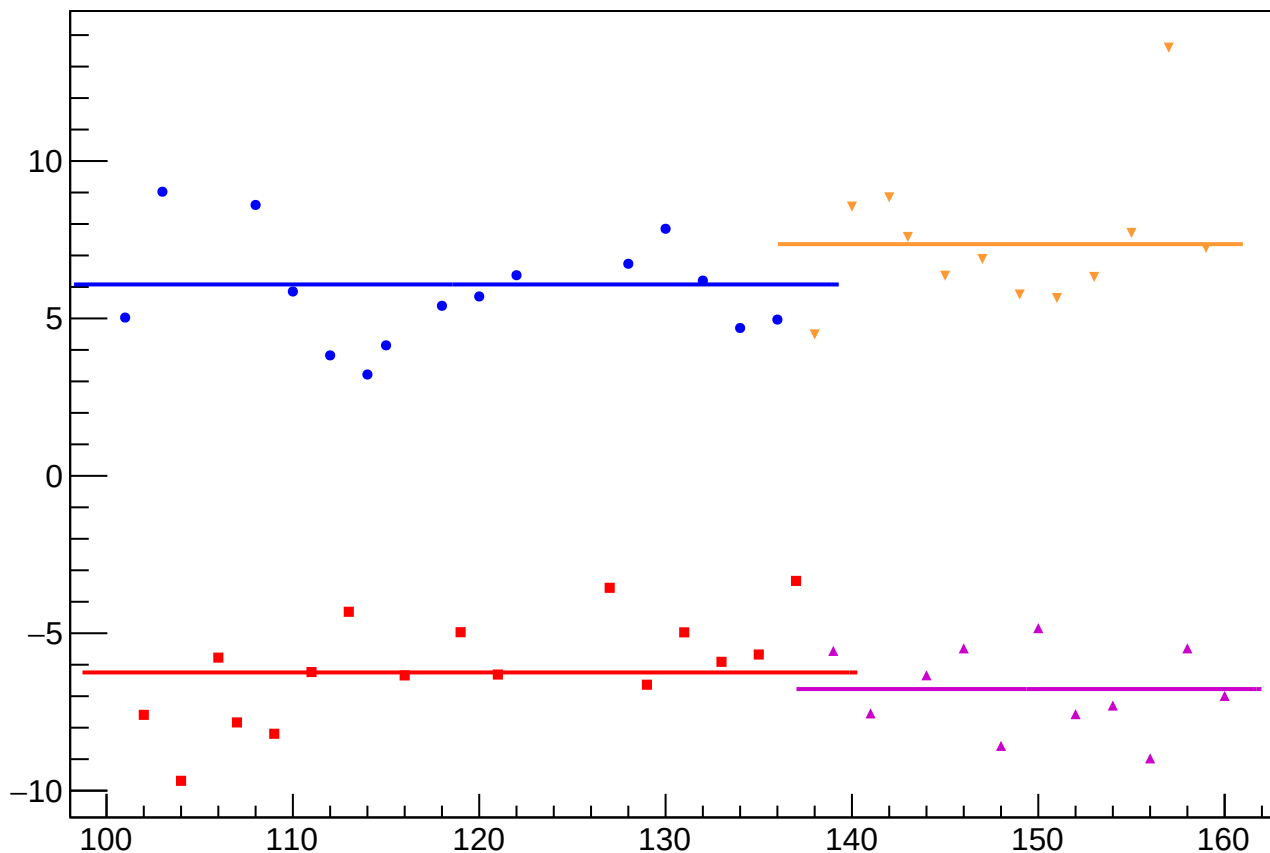
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_11X12X_coil4_mean vs Slug, Sign Corrected



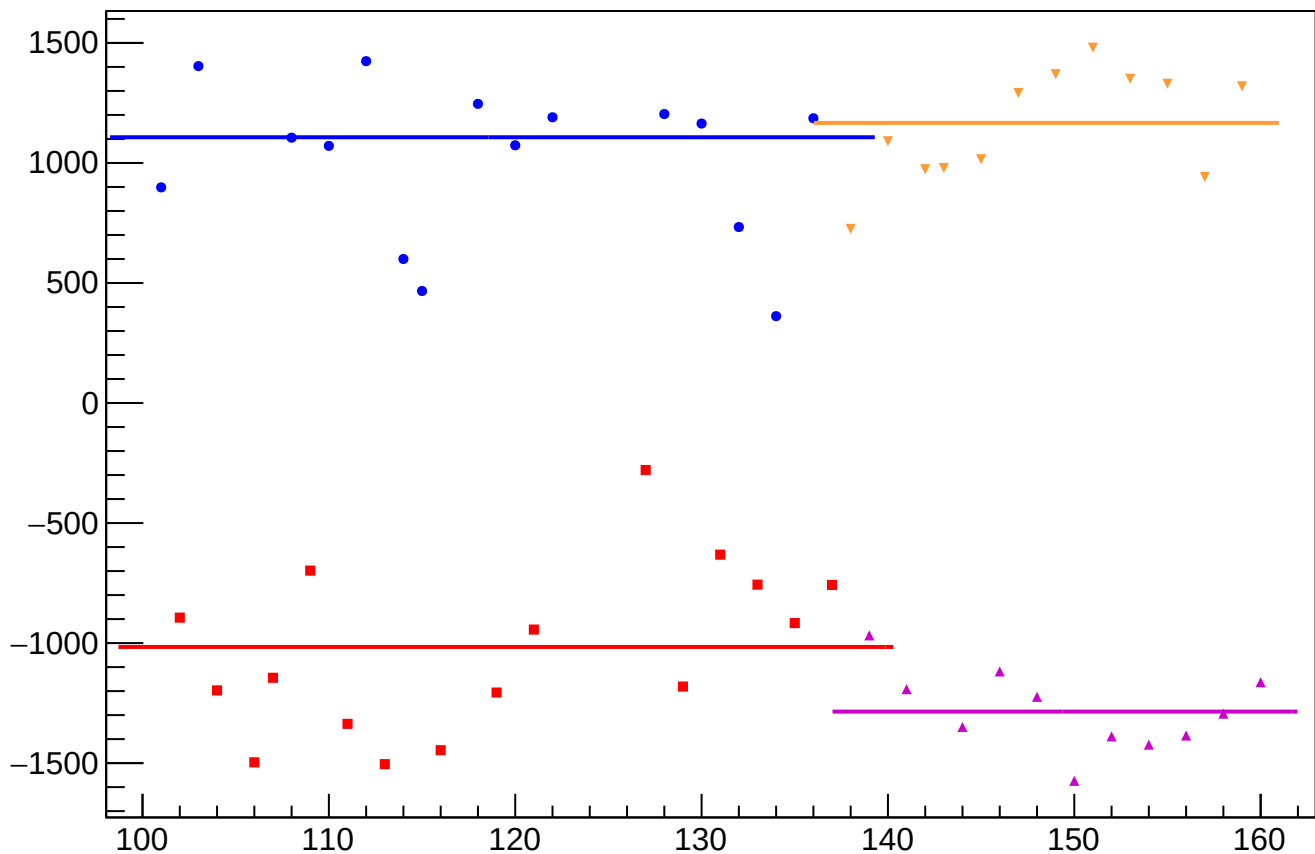
Right In: -0.360 ± 0.000 χ^2/NDF : 2180256348790896849346212178952192.0/14
 Left Out: -0.778 ± 0.000 χ^2/NDF : 941792568376434225486843988672512.0/11
 Right Out: 0.790 ± 0.000 χ^2/NDF : 463078369073343959803422903894016.0/15
 Left In: 0.828 ± 0.000 χ^2/NDF : 650173977459122524537180454387712.0/10
 All: 0.110 ± 0.000 χ^2/NDF : 58843184622867

dit_11X12X_coil4_err_mean vs Slug, Sign Corrected



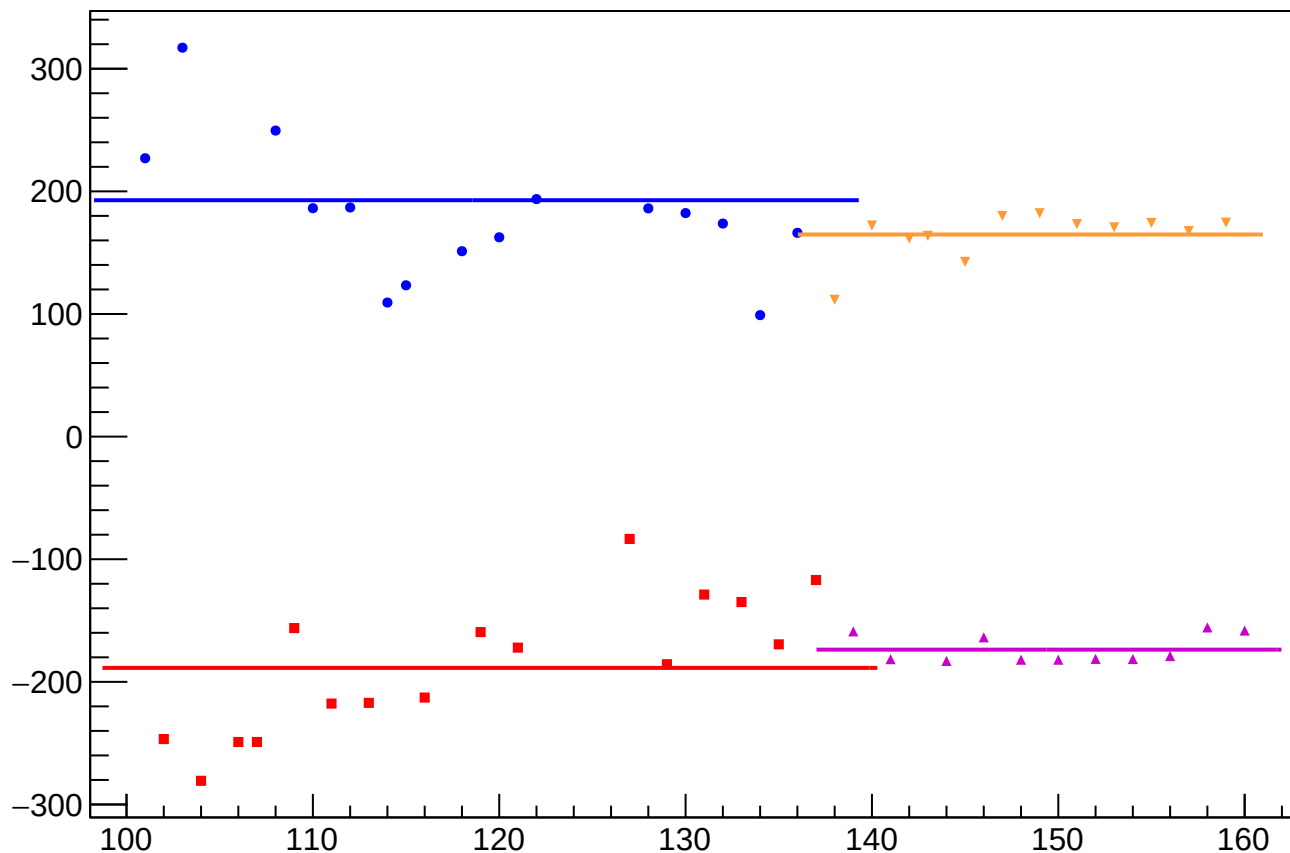
Right In: 6.079 ± 0.000 $\chi^2/\text{NDF}: 1590295171022705157509900448825344.0/14$
 Left Out: 7.360 ± 0.000 $\chi^2/\text{NDF}: 4580380755239365503585140070154240.0/11$
 Right Out: -6.245 ± 0.000 $\chi^2/\text{NDF}: 1816529163105006938510976985595904.0/15$
 Left In: -6.773 ± 0.000 $\chi^2/\text{NDF}: 1545880653062872635060205832372224.0/10$
 All: 0.079 ± 0.000 $\chi^2/\text{NDF}: 15140907690746$

dit_11X12X_coil4_Ndata_mean vs Slug, Sign Corrected



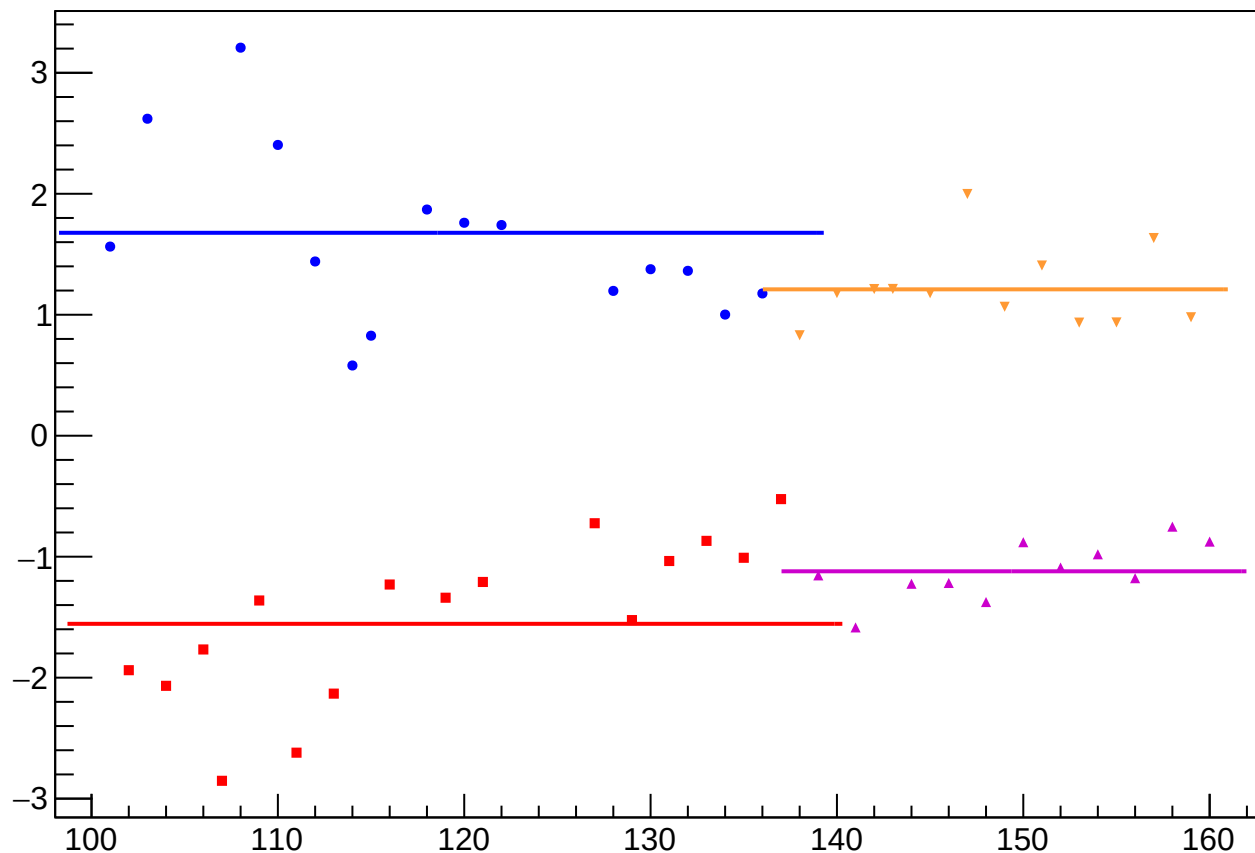
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_4aY_coil4_mean vs Slug, Sign Corrected



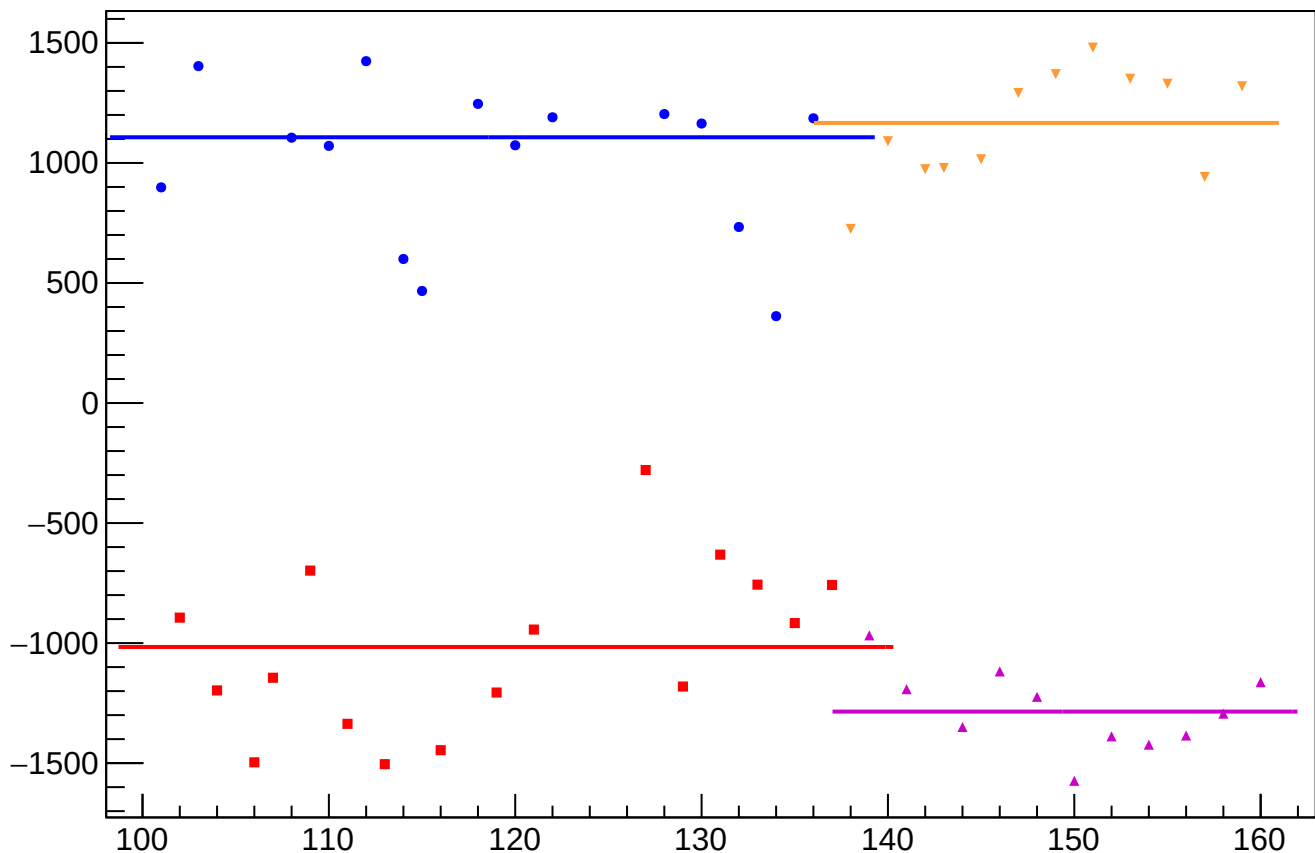
Right In: 192.771 ± 0.000 χ^2/NDF : 1640576279746948433391816936236515328.0/14
 Left Out: 164.832 ± 0.000 χ^2/NDF : 331248867631864480349687016910225408.0/11
 Right Out: -188.612 ± 0.000 χ^2/NDF : 1922342257287674563344204730019610624.0/15
 Left In: -173.738 ± 0.000 χ^2/NDF : 107568156923900649458795541002452992.0/10
 All: -3.352 ± 0.000 χ^2/NDF : 1045358110774

dit_4aY_coil4_err_mean vs Slug, Sign Corrected



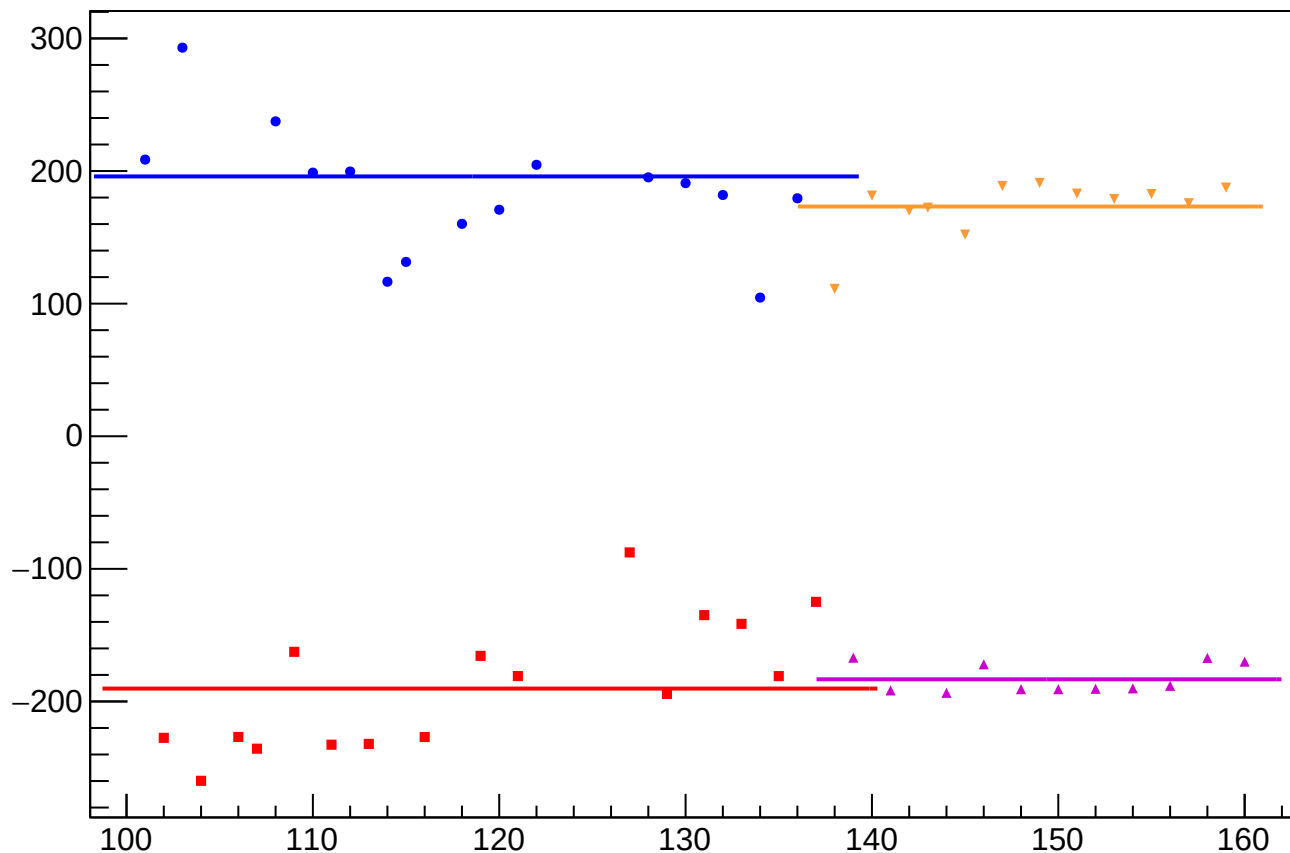
Right In: 1.677 $\pm$ 0.000 χ^2 /NDF: 241879924044788593292791559225344.0/14
 Left Out: 1.210 $\pm$ 0.000 χ^2 /NDF: 95500502458420026672384705560576.0/11
 Right Out: -1.555 $\pm$ 0.000 χ^2 /NDF: 255645951433890296827677195108352.0/15
 Left In: -1.121 $\pm$ 0.000 χ^2 /NDF: 48374896563348957372285351624704.0/10
 All: 0.039 $\pm$ 0.000 χ^2 /NDF: 65745148787562

dit_4aY_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_4eY_coil4_mean vs Slug, Sign Corrected



Right In: 195.940 $\pm$ 0.000

χ^2/NDF : 1057891079869089572370479093183938560.0/14

Left Out: 173.245 $\pm$ 0.000

χ^2/NDF : 421189743022312956779621222954565632.0/11

Right Out: -190.268 $\pm$ 0.000

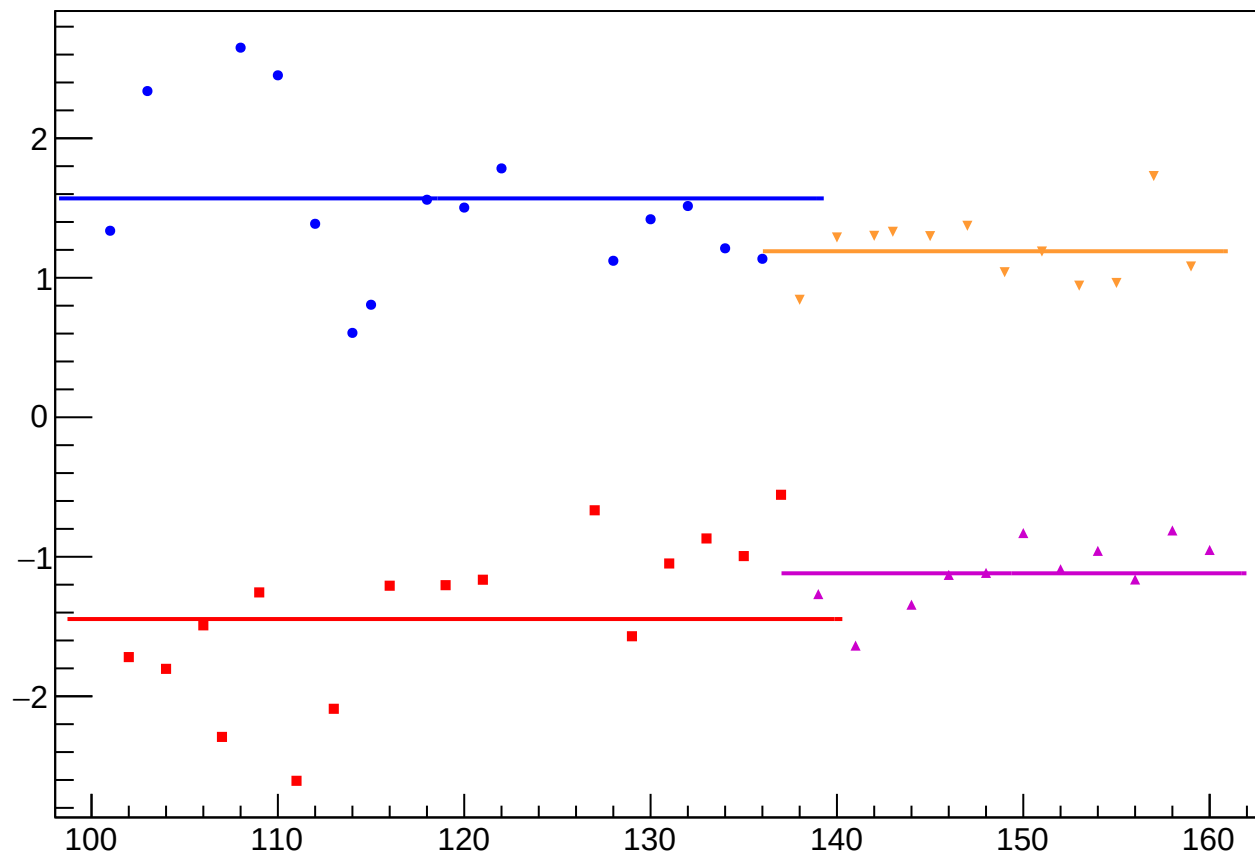
χ^2/NDF : 1468473073667973330267084234323656704.0/15

Left In: -183.290 $\pm$ 0.000

χ^2/NDF : 101738841511111417821042611832487936.0/10

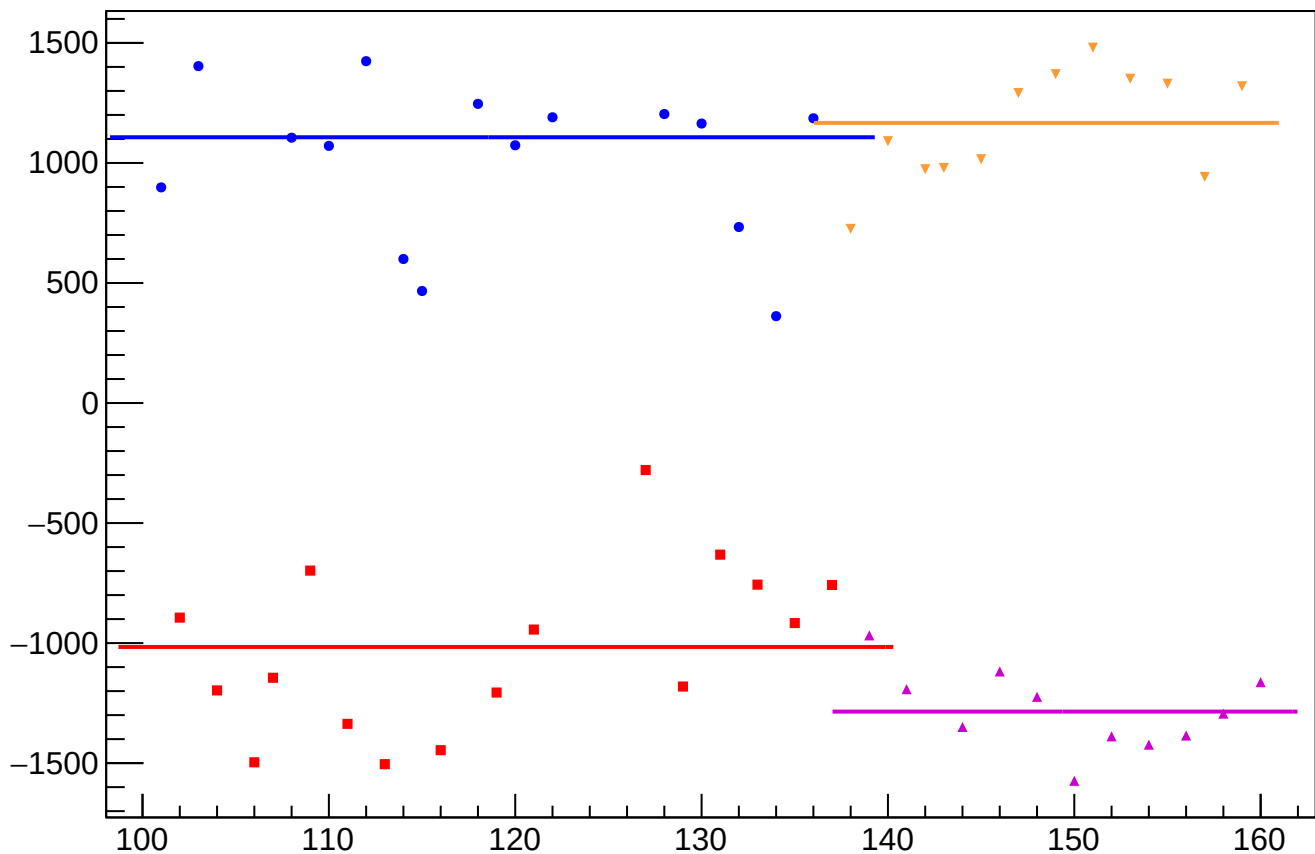
All: -3.411 $\pm$ 0.000 χ^2/NDF : 1105507050353

dit_4eY_coil4_err_mean vs Slug, Sign Corrected



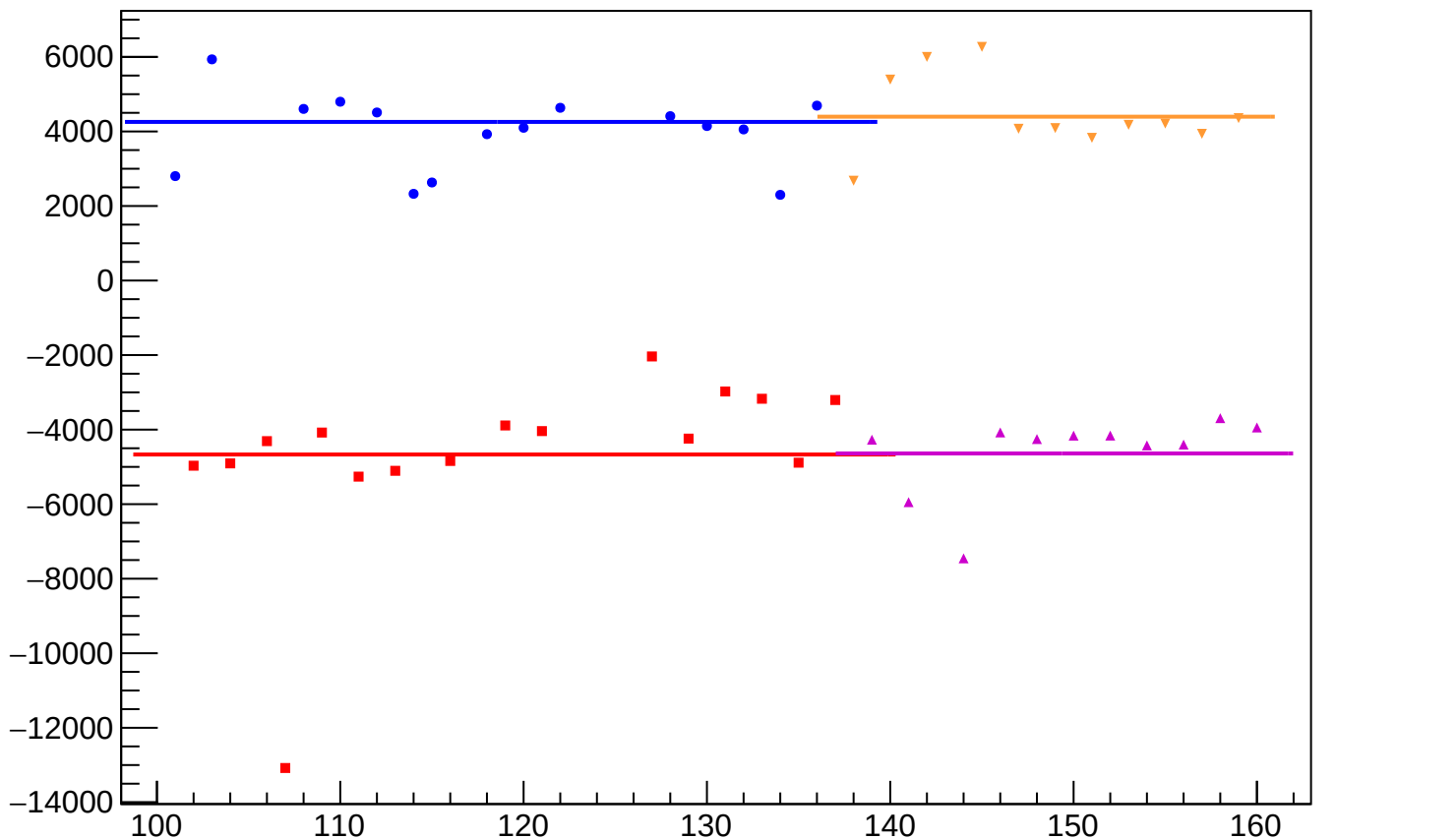
Right In: 1.569 ± 0.000 $\chi^2/\text{NDF}: 162849195668123380789610540957696.0/14$
 Left Out: 1.190 ± 0.000 $\chi^2/\text{NDF}: 50745822936032217336144814145536.0/11$
 Right Out: -1.446 ± 0.000 $\chi^2/\text{NDF}: 196296653917523352443271052787712.0/15$
 Left In: -1.118 ± 0.000 $\chi^2/\text{NDF}: 48973496995723480911801365823488.0/10$
 All: 0.034 ± 0.000 $\chi^2/\text{NDF}: 58987559316177$

dit_4eY_coil4_Ndata_mean vs Slug, Sign Corrected



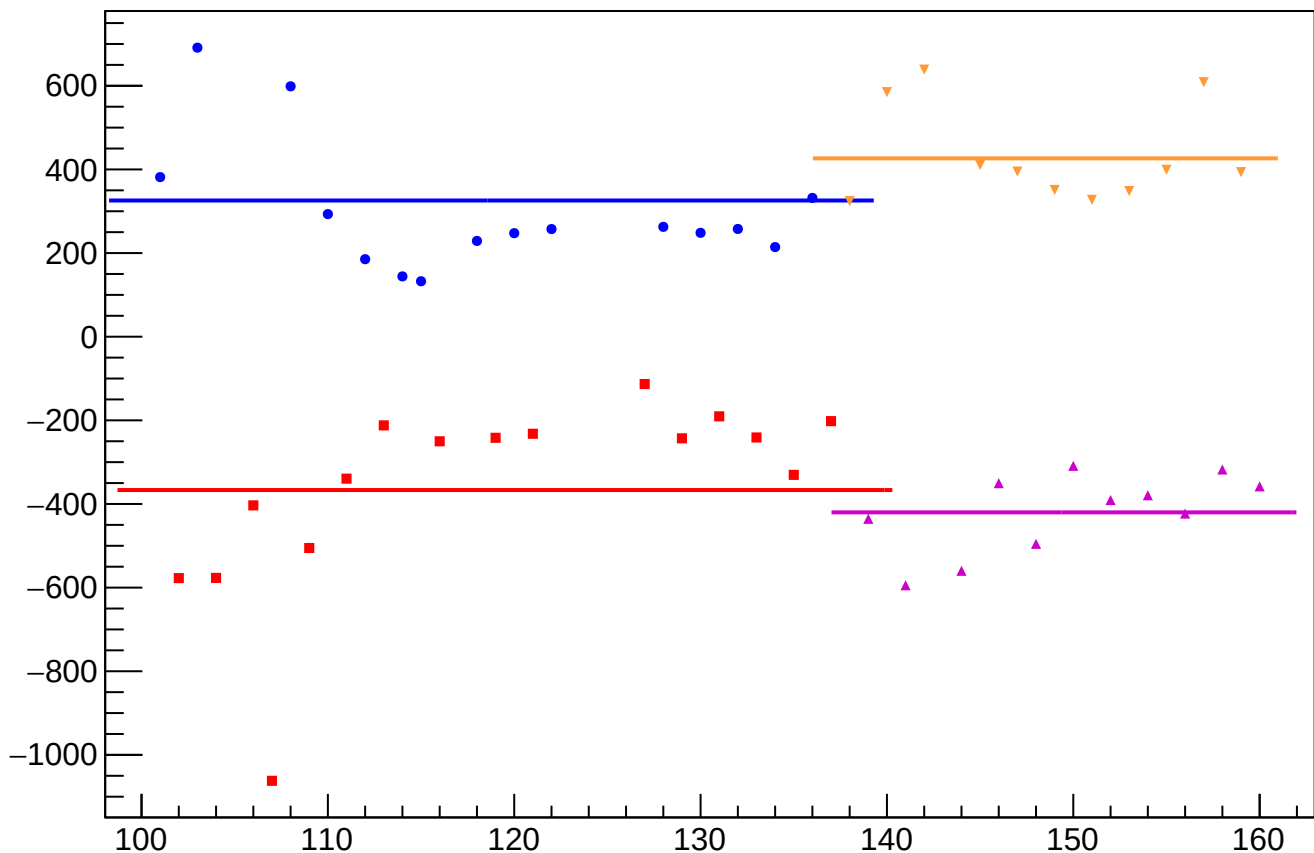
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_usl_coil4_mean vs Slug, Sign Corrected



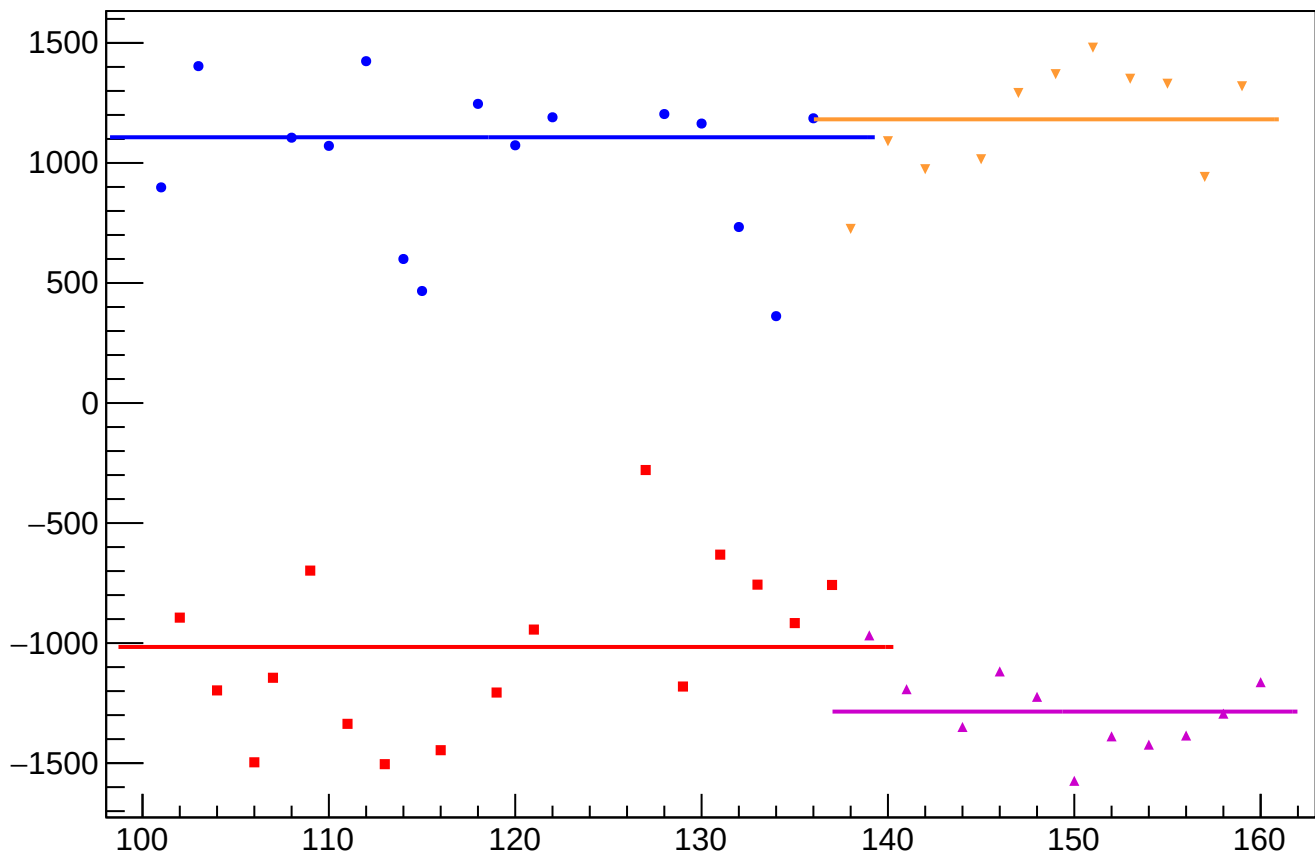
Right In: 4256.386+/-0.000 χ^2/NDF : 498605412551624859672454954159576186880.0/14
 Left Out: 4396.403+/-0.000 χ^2/NDF : 767686308157486440179100240552638021632.0/10
 Right Out: -4667.832+/-0.000 χ^2/NDF : 3201925535782807450320951772159309512704.0/15
 Left In: -4639.846+/-0.000 χ^2/NDF : 1058446303743243170530981239939506634752.0/10
 All: -296.246+/-0.000 χ^2/NDF : 67809743893

dit_usl_coil4_err_mean vs Slug, Sign Corrected



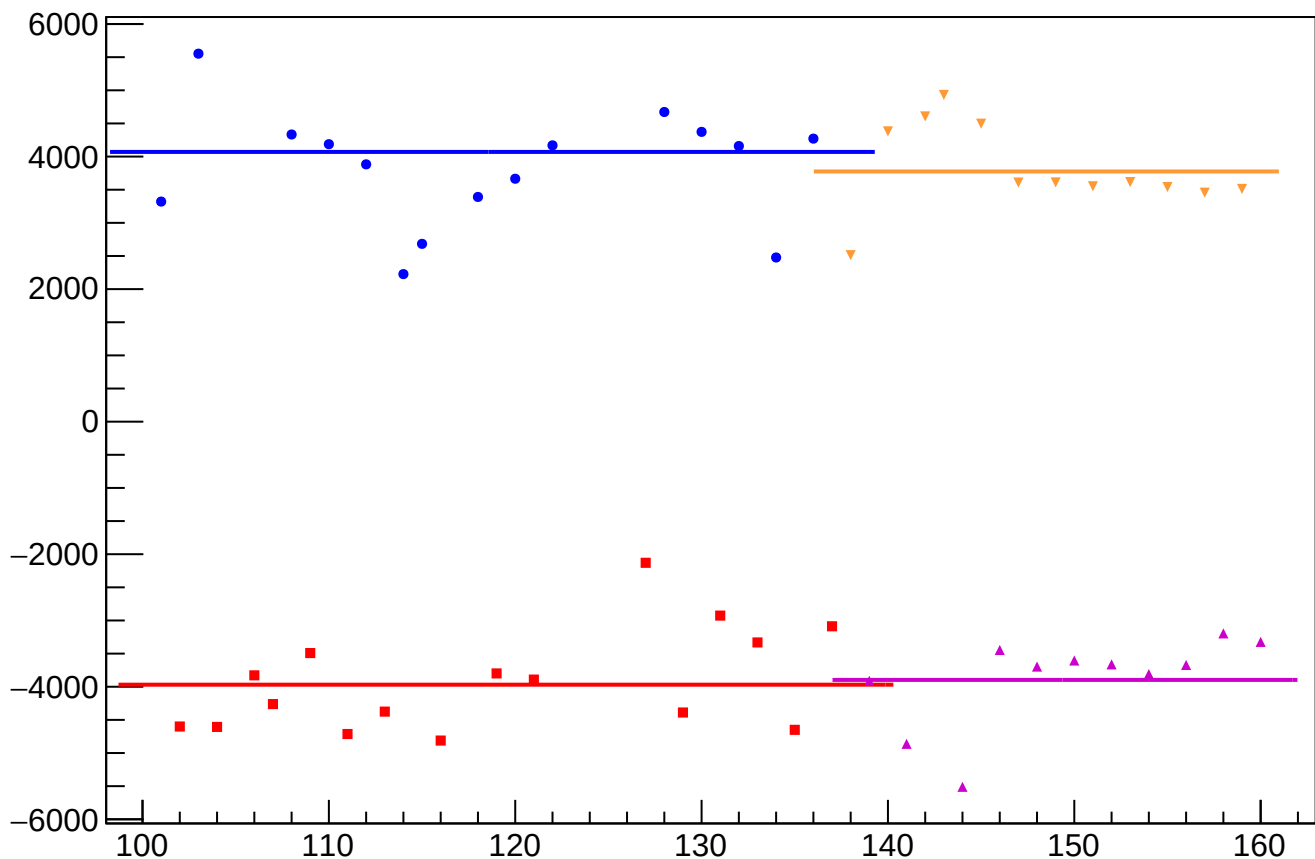
Right In: 325.732 $\pm$ 0.000 χ^2 /NDF: 14633359567940244123897242769854300160.0/14
 Left Out: 426.446 $\pm$ 0.000 χ^2 /NDF: 9564737566607591468000084323542761472.0/10
 Right Out: -366.682 $\pm$ 0.000 χ^2 /NDF: 32097250699947956409117440115398934528.0/15
 Left In: -420.062 $\pm$ 0.000 χ^2 /NDF: 7706514276709269263404419491802644480.0/10
 All: -19.474 $\pm$ 0.000 χ^2 /NDF: 538446931474

dit_usl_coil4_Ndata_mean vs Slug, Sign Corrected



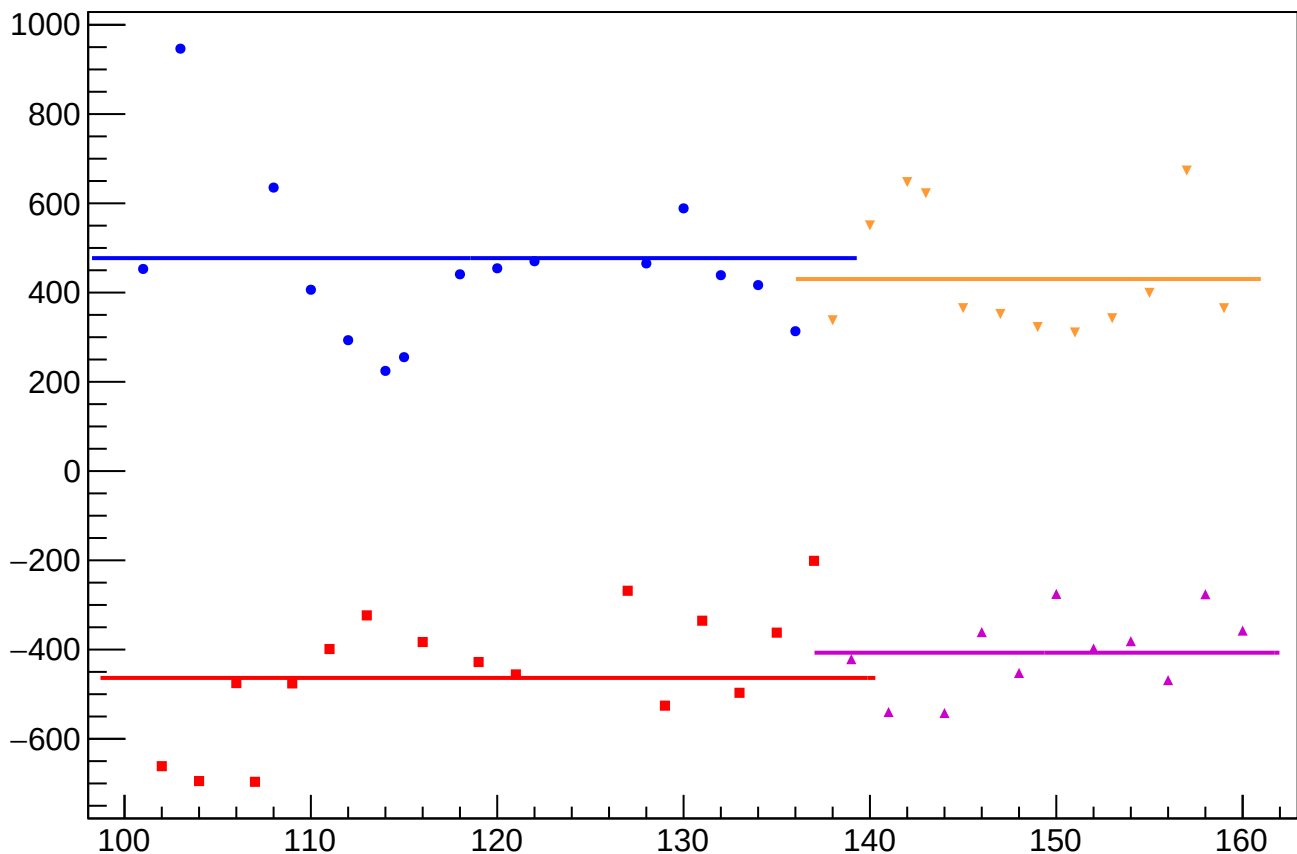
Right In: 1107.052 $\pm$ 0.000 χ^2 /NDF: 40633831787810179240542210398269472768.0/14
 Left Out: 1181.721 $\pm$ 0.000 χ^2 /NDF: 42102883856321275256821029062509068288.0/10
 Right Out: -1016.106 $\pm$ 0.000 χ^2 /NDF: 7256766433509192712184310037150171136.0/15
 Left In: -1285.364 $\pm$ 0.000 χ^2 /NDF: 24002572803732345959736048095514853376.0/10
 All: -47.303 $\pm$ 0.000 χ^2 /NDF: 436585203886

dit_usr_coil4_mean vs Slug, Sign Corrected



Right In: 4070.444+/-0.000 χ^2/NDF : 343281875282695739956383156295247593472.0/14
 Left Out: 3775.469+/-0.000 χ^2/NDF : 344611737456116155441573311529372090368.0/11
 Right Out: -3968.723+/-0.000 χ^2/NDF : 359955880326194784467353369492594884608.0/15
 Left In: -3896.757+/-0.000 χ^2/NDF : 412530714584693730225130204014353317888.0/10
 All: -49.222+/-0.000 χ^2/NDF : 497704442491

dit_usr_coil4_err_mean vs Slug, Sign Corrected



Right In: 477.186 $\pm$ 0.000

χ^2/NDF : 20455719931758379978892605184974782464.0/14

Left Out: 430.385 $\pm$ 0.000

χ^2/NDF : 15124863187063515916775500602167787520.0/11

Right Out: -463.513 $\pm$ 0.000

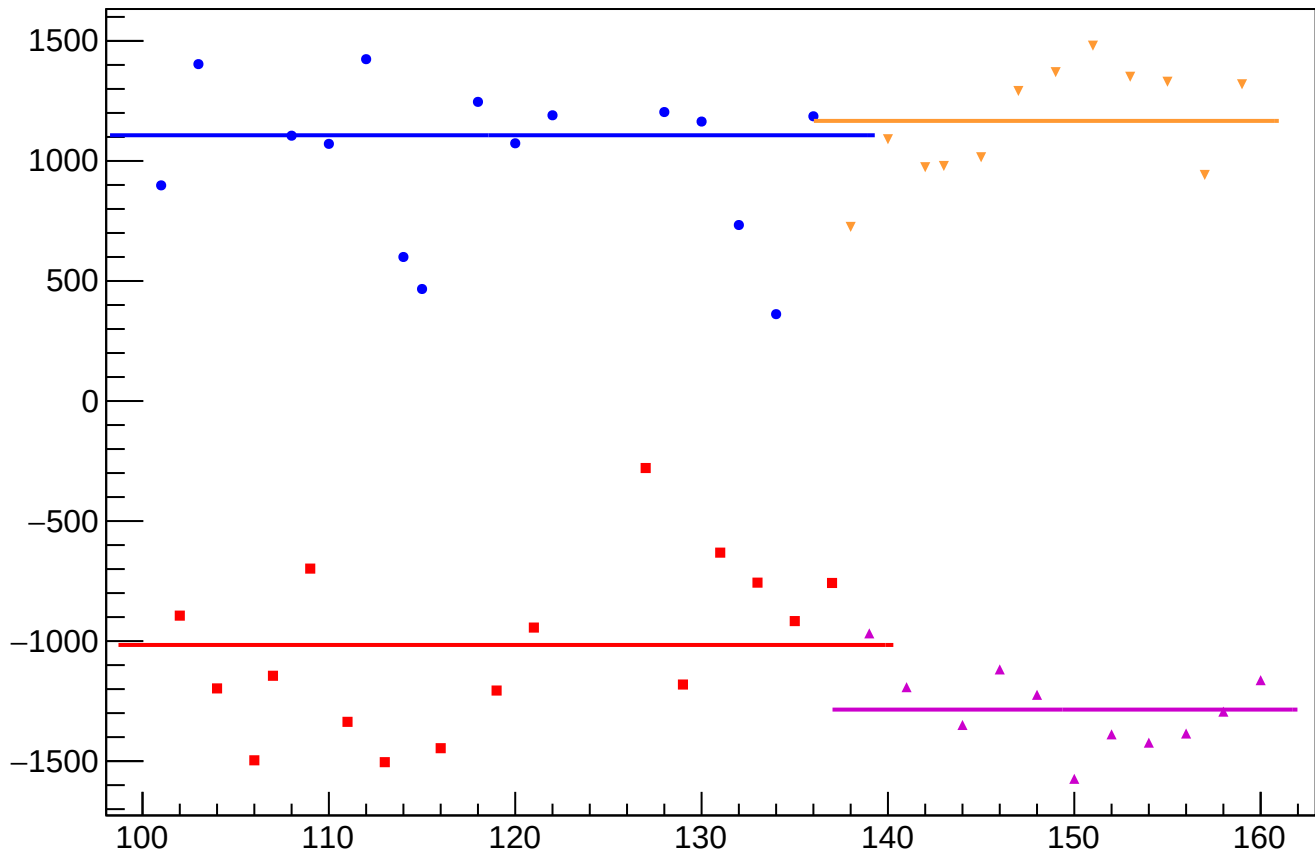
χ^2/NDF : 12556777931069903370031832388184571904.0/15

Left In: -406.990 $\pm$ 0.000

χ^2/NDF : 7014219134688394471330081136711827456.0/10

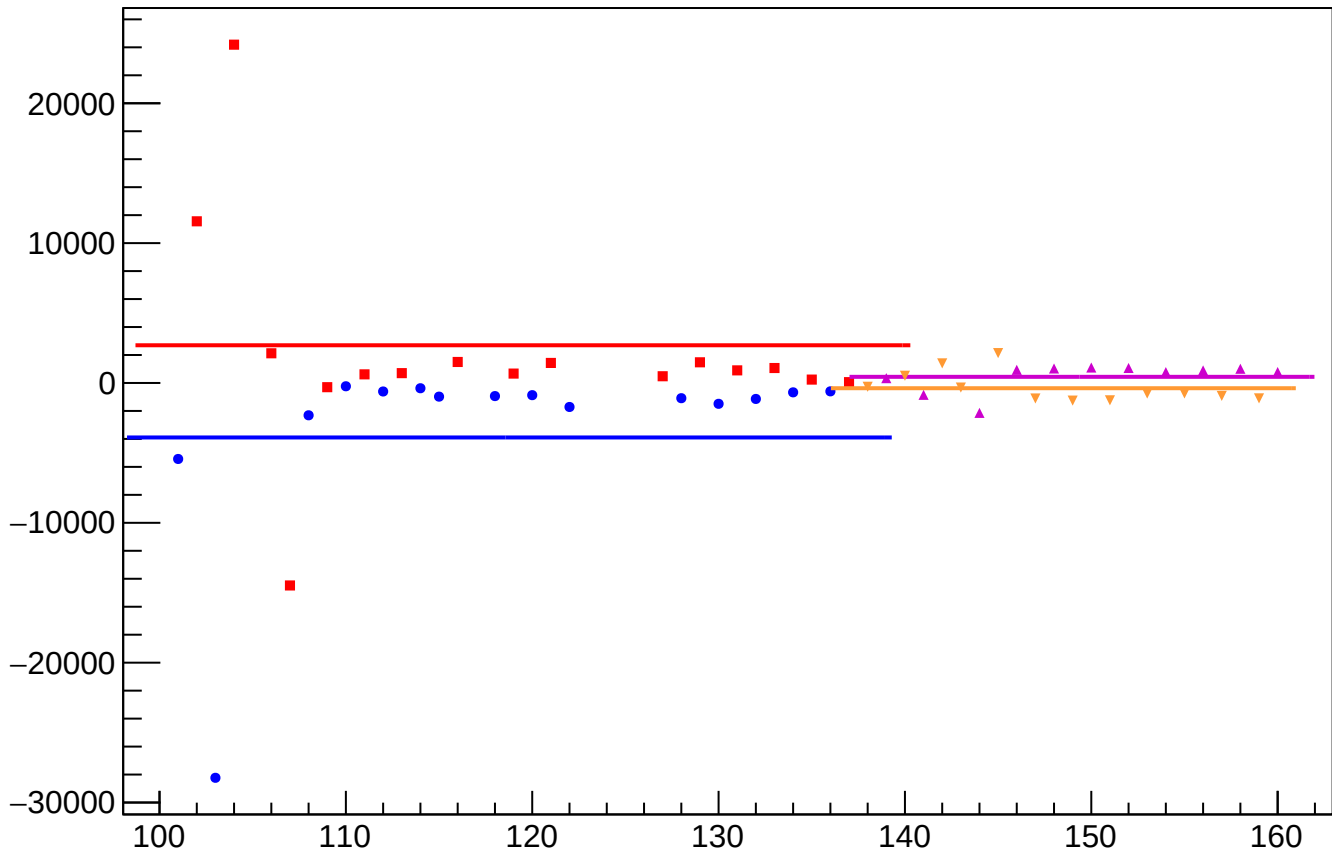
Left: 9.420 $\pm$ 0.000 χ^2/NDF : 344329492492659373
 Right: 0.404 $\pm$ 0.000 χ^2/NDF : 32409492726519645
 In: -42.190 $\pm$ 0.000 χ^2/NDF : 32550383168083429
 Out: 53.263 $\pm$ 0.000 χ^2/NDF : 33579872777061970
 All: 5.658 $\pm$ 0.000 χ^2/NDF : 66848676133618

dit_usr_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052 +/- 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869 +/- 0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106 +/- 0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364 +/- 0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499 +/- 0.000 χ^2/NDF : 443493791328

dit_atl1_coil4_mean vs Slug, Sign Corrected



Right In: -3896.522+/-0.000

χ^2/NDF : 39618598516481020448248440670012984786944.0/14

Left Out: -375.430+/-0.000

χ^2/NDF : 958630071854954411455962799285737619456.0/11

Right Out: 2695.992+/-0.000

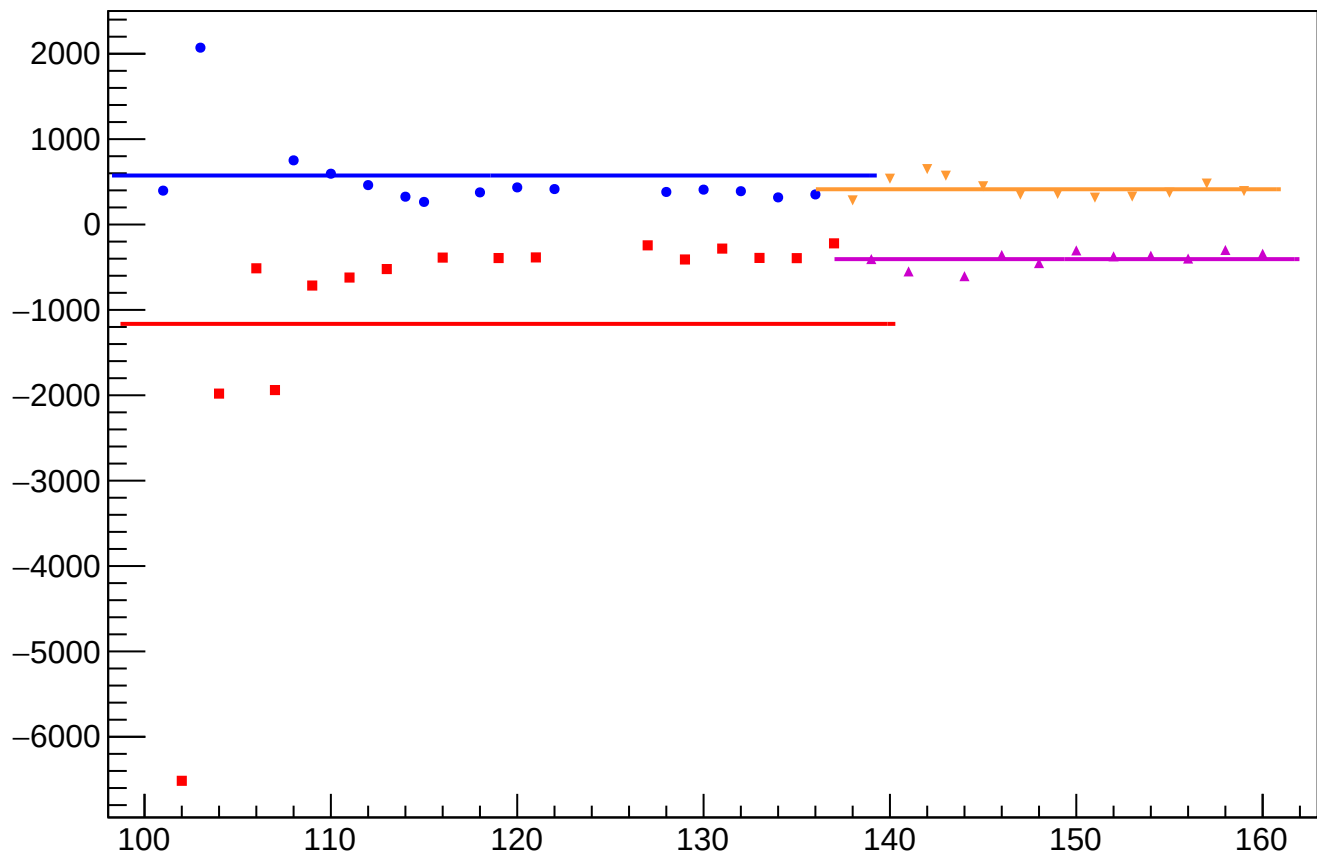
χ^2/NDF : 40822463071462352124212058386591729582080.0/15

Left In: 439.289+/-0.000

χ^2/NDF : 921031566733723872829454078558930468864.0/10

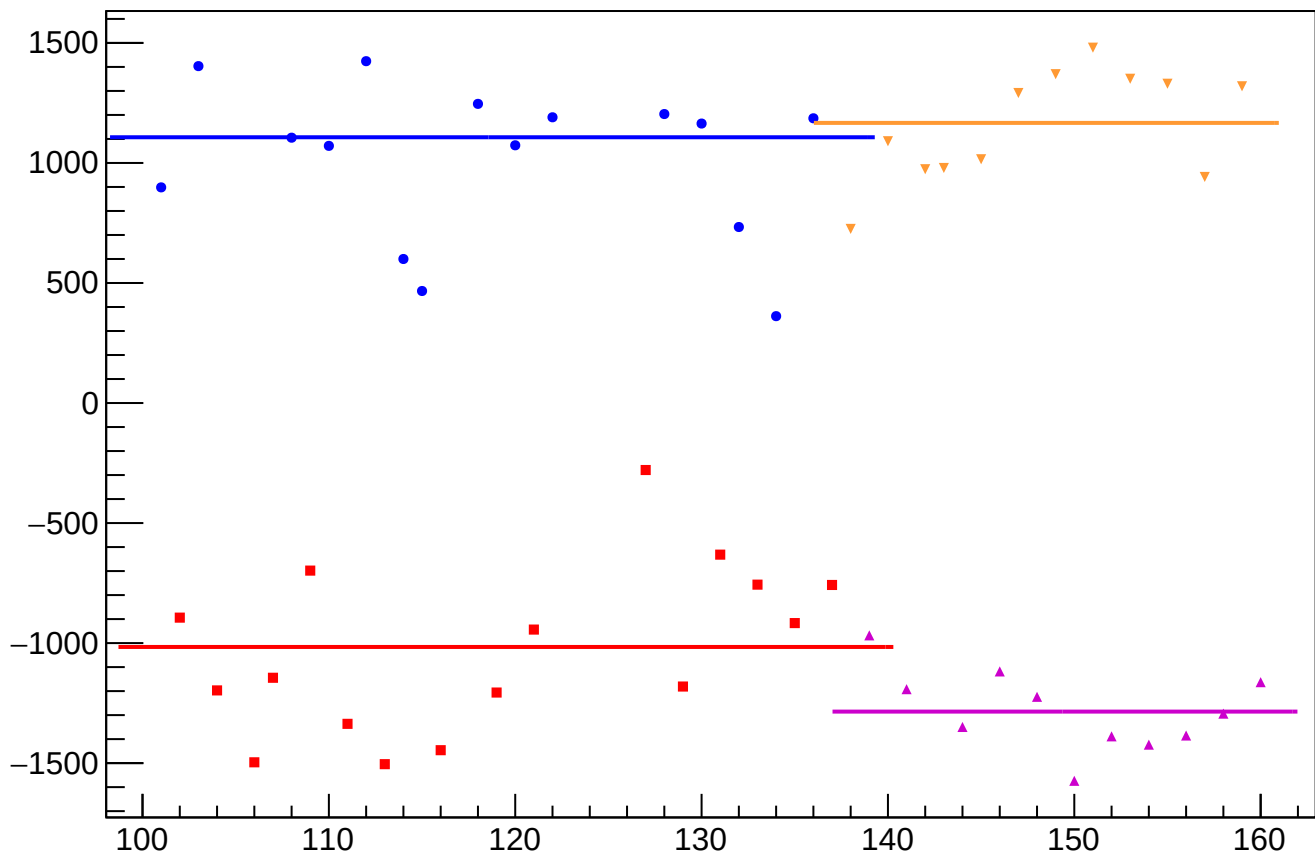
All: -211.749+/-0.000 χ^2/NDF : 97188137344

dit_atl1_coil4_err_mean vs Slug, Sign Corrected



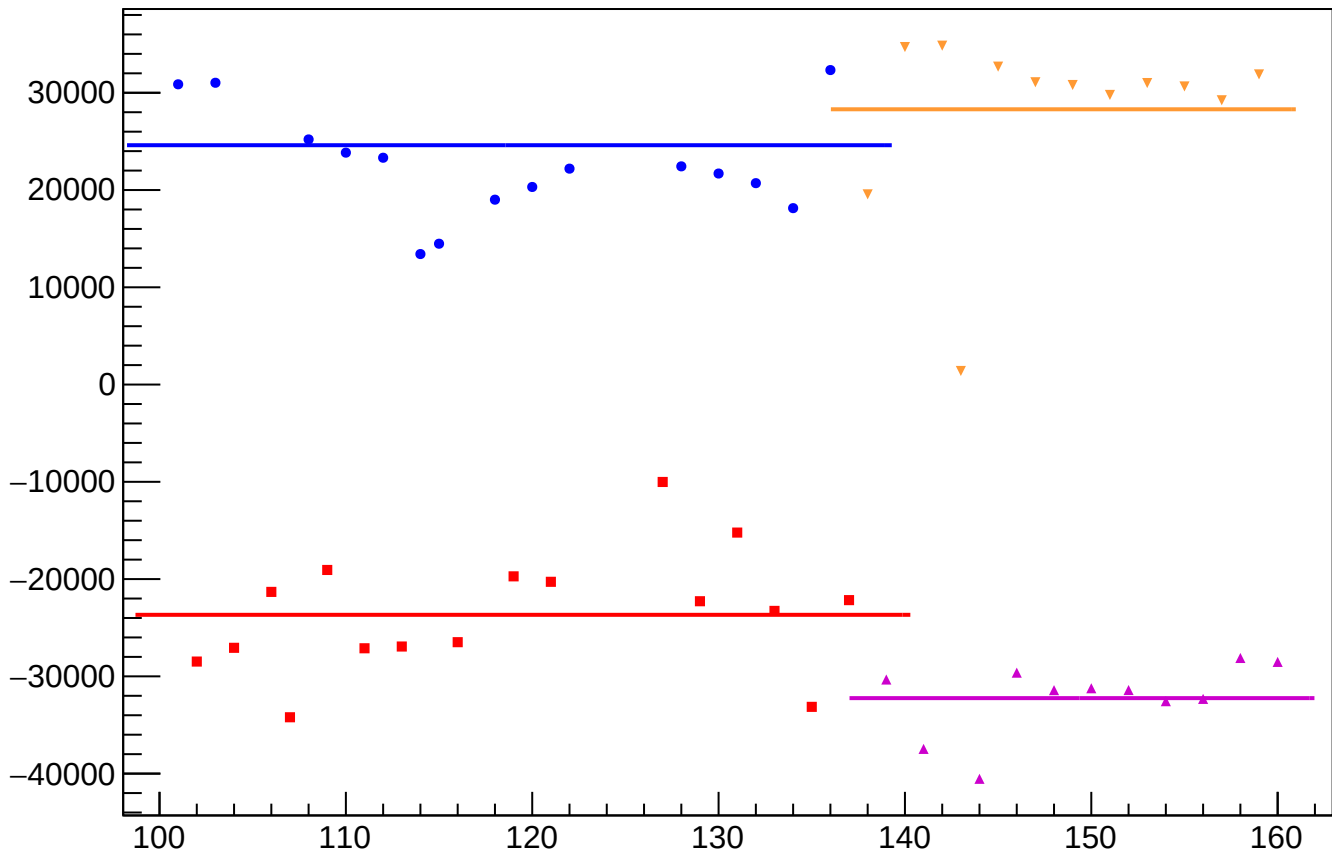
Right In: 574.055+/-0.000 χ^2/NDF : 152105229889160423018493709582390525952.0/14
 Left Out: 413.017+/-0.000 χ^2/NDF : 9379796802385704003508317238748774400.0/11
 Right Out: -1163.697+/-0.000 χ^2/NDF : 2003194396475465337190154787515183136768.0/15
 Left In: -405.371+/-0.000 χ^2/NDF : 8096374045117906535343483577494929408.0/10
 All: -127.041+/-0.000 χ^2/NDF : 35467372325

dit_atl1_coil4_Ndata_mean vs Slug, Sign Corrected



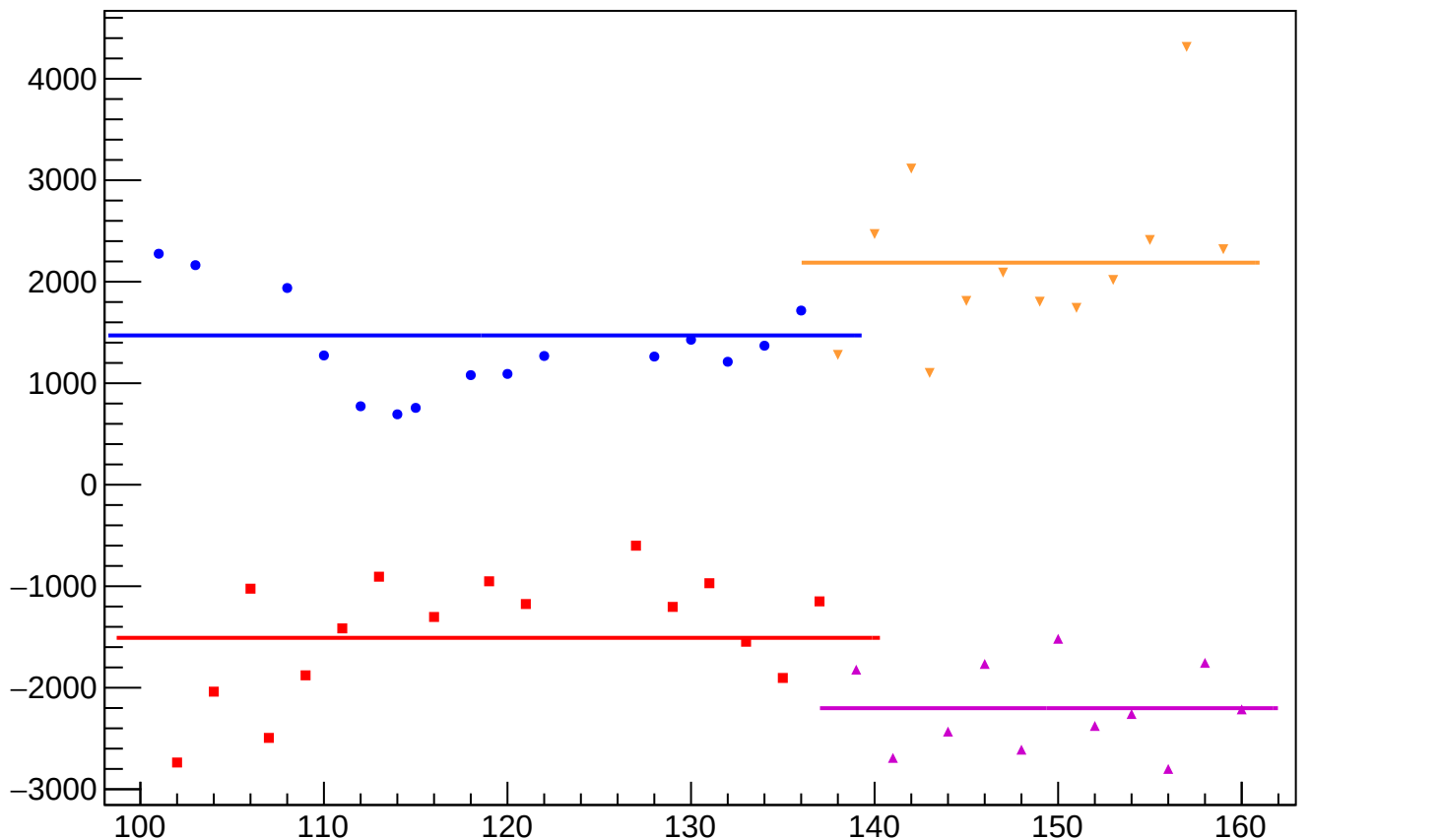
Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869+/-0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499+/-0.000 χ^2/NDF : 443493791328

dit_atl2_coil4_mean vs Slug, Sign Corrected



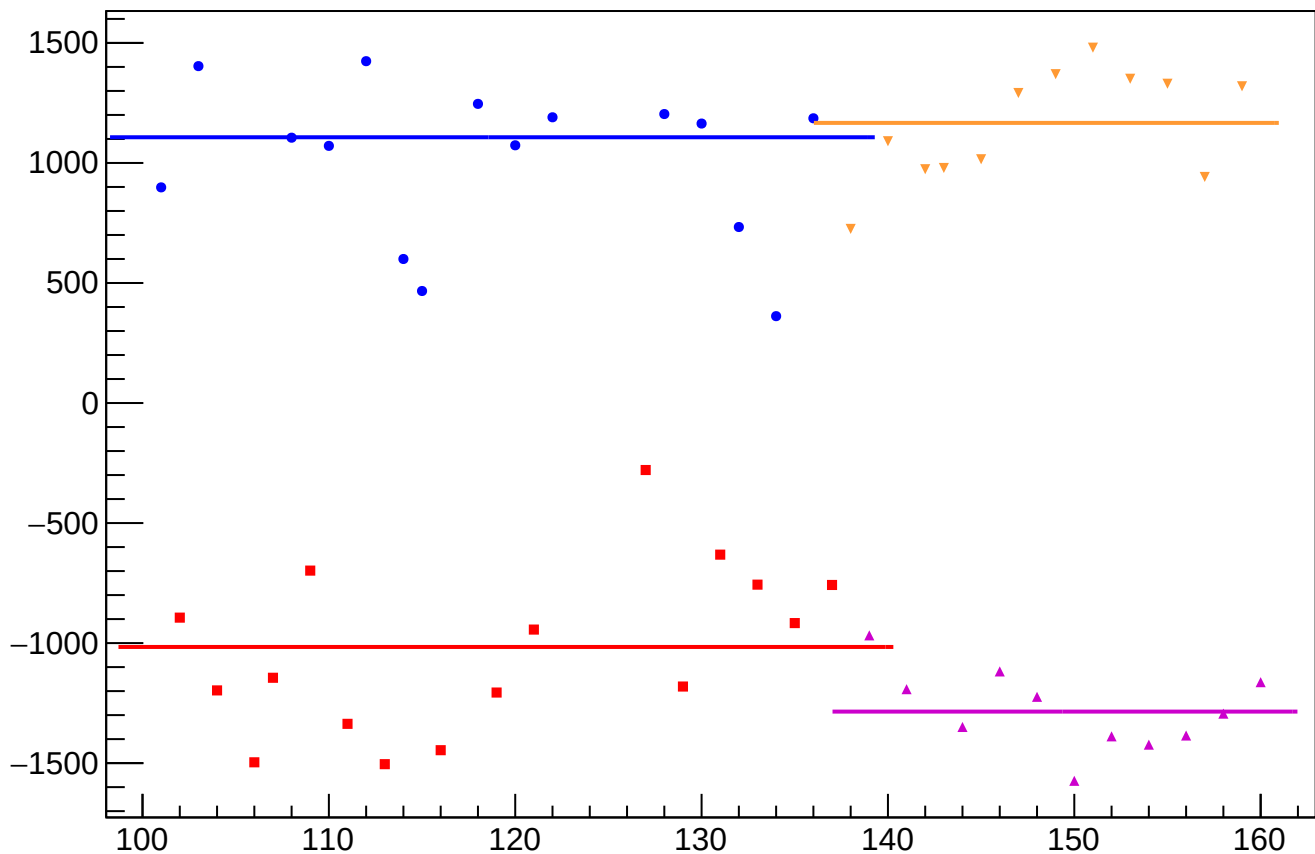
Right In: 24608.761+/-0.000 χ^2/NDF : 17555600427140701787636759084167268925440.0/14
 Left Out: 28302.359+/-0.000 χ^2/NDF : 64743960576526073147852789326823934656512.0/11
 Right Out: -23673.937+/-0.000 χ^2/NDF : 24824229344827567313624871677295341862912.0/15
 Left In: -32239.303+/-0.000 χ^2/NDF : 11931397875663177142812829998803541032960.0/10
 All: -1185.856+/-0.000 χ^2/NDF : 2573988051

dit_atl2_coil4_err_mean vs Slug, Sign Corrected



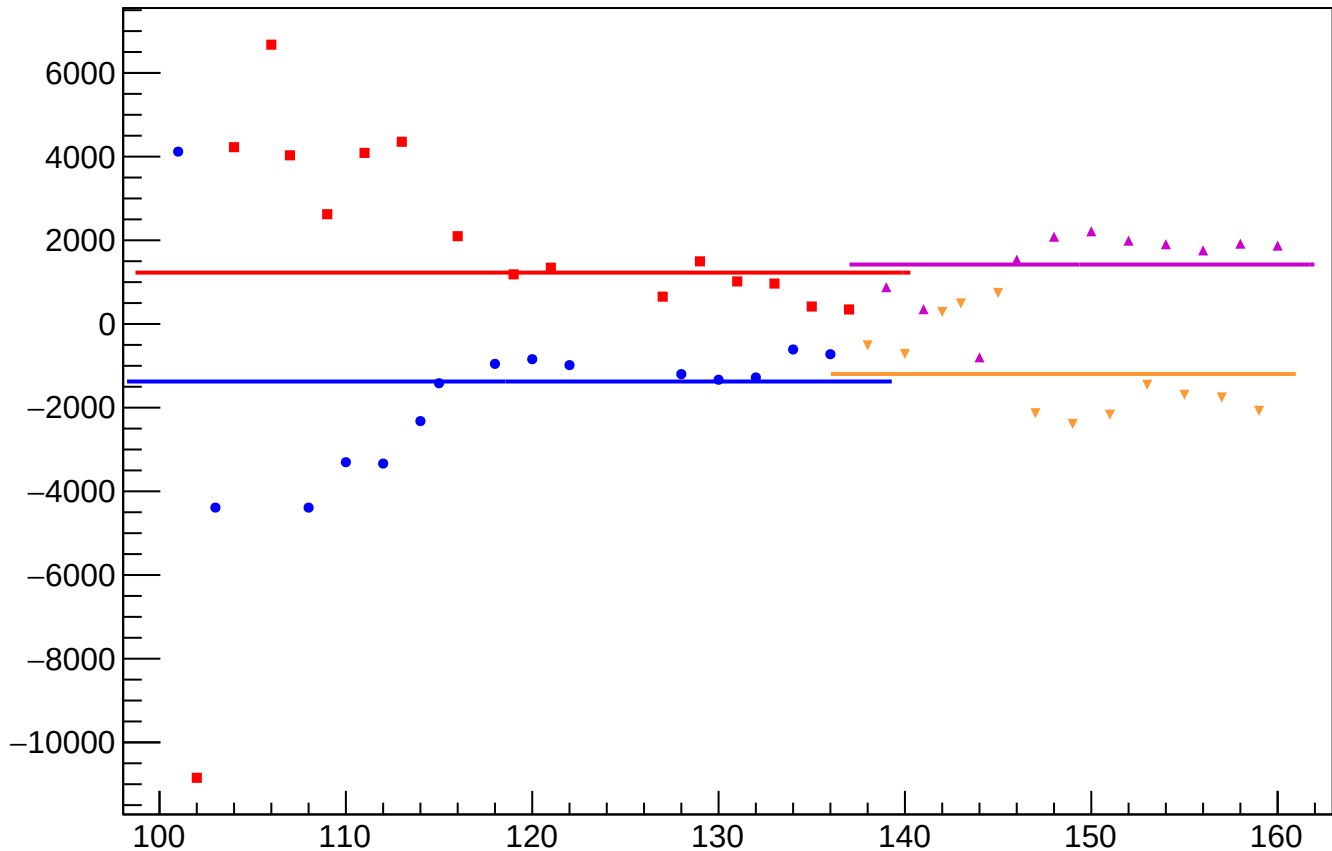
Left: -18.662 +/- 0.000 χ^2/NDF : 9604851757835687
 Right: -39.055 +/- 0.000 χ^2/NDF : 330947344548199
 In: -686.275 +/- 0.000 χ^2/NDF : 5438324784011715
 Out: 628.599 +/- 0.000 χ^2/NDF : 6113094829757836
 All: -27.171 +/- 0.000 χ^2/NDF : 129146441419

dit_atl2_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_atr1_coil4_mean vs Slug, Sign Corrected



Right In: -1374.510+/-0.000

Left Out: -1194.978+/-0.000

Right Out: 1227.879+/-0.000

Left In: 1420.806+/-0.000

χ^2/NDF : 3072775774026573120755024580495322120192.0/14

χ^2/NDF : 1012982164343735644721296583058593415168.0/11

χ^2/NDF : 11115312999926623396466450218448622452736.0/15

χ^2/NDF : 747987085785920162637916932217361137664.0/10

Left: 120.030+/-0.000 χ^2/NDF : 4904926728039627

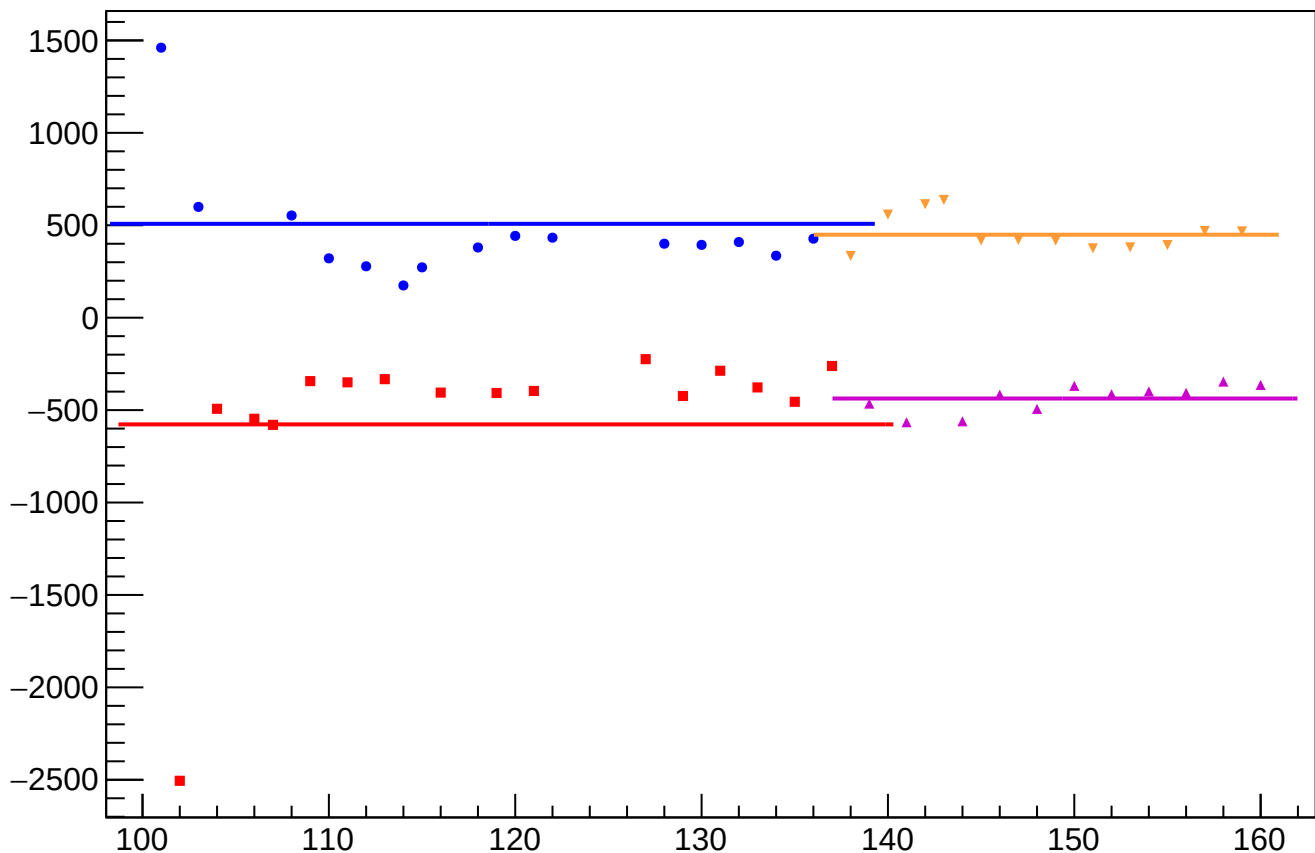
Right: -55.518+/-0.000 χ^2/NDF : 164158010761557

In: 267.494+/-0.000 χ^2/NDF : 67996212905624210

Out: -172.811+/-0.000 χ^2/NDF : 143918754957920

All: 46.783+/-0.000 χ^2/NDF : 2134436142325

dit_atr1_coil4_err_mean vs Slug, Sign Corrected



Right In: 507.809+/-0.000

χ^2/NDF : 64139927968444054596859613468220719104.0/14

Left Out: 448.905+/-0.000

χ^2/NDF : 6972444969041725929744111494148128768.0/11

Right Out: -577.250+/-0.000

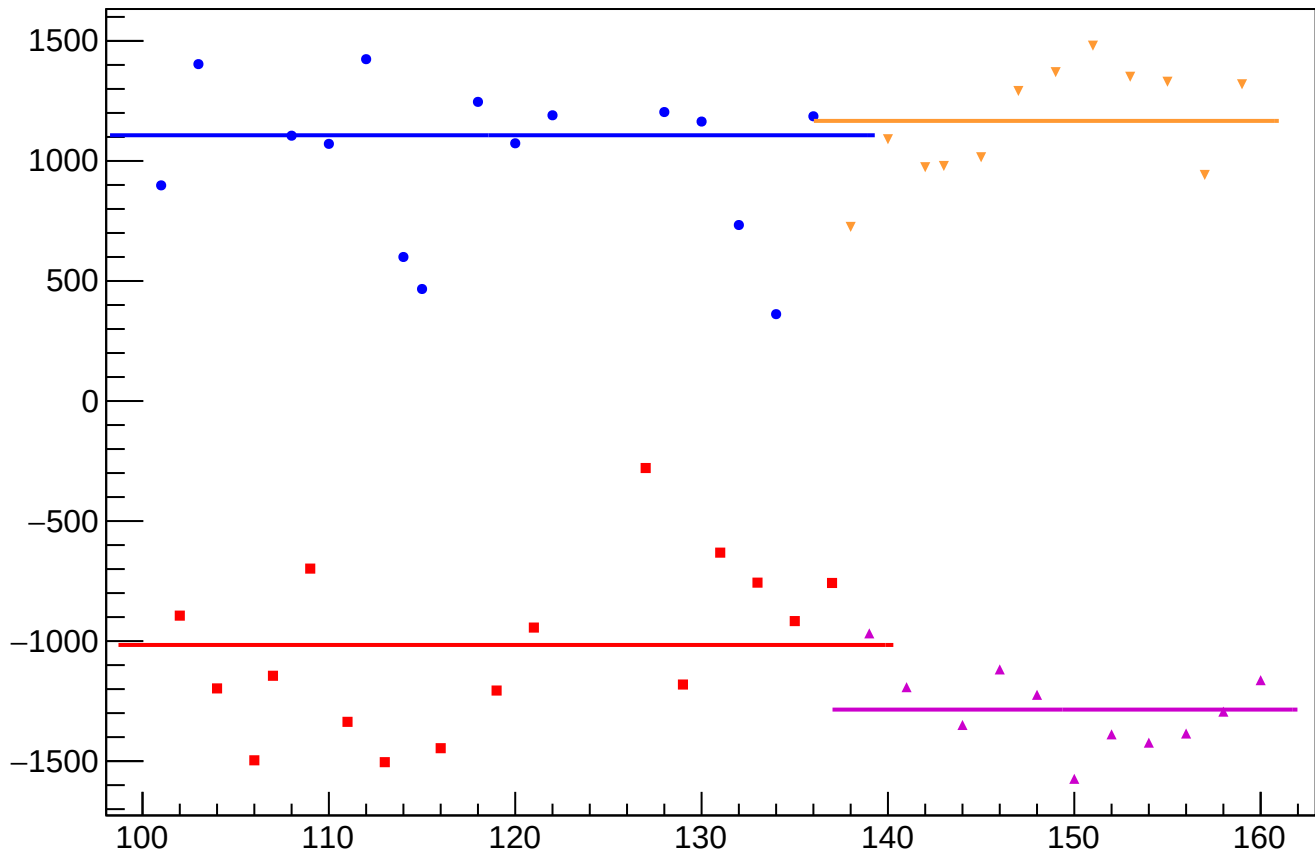
χ^2/NDF : 241288780642623391683958641535574081536.0/15

Left In: -437.315+/-0.000

χ^2/NDF : 4874677524968742275560761293986070528.0/10

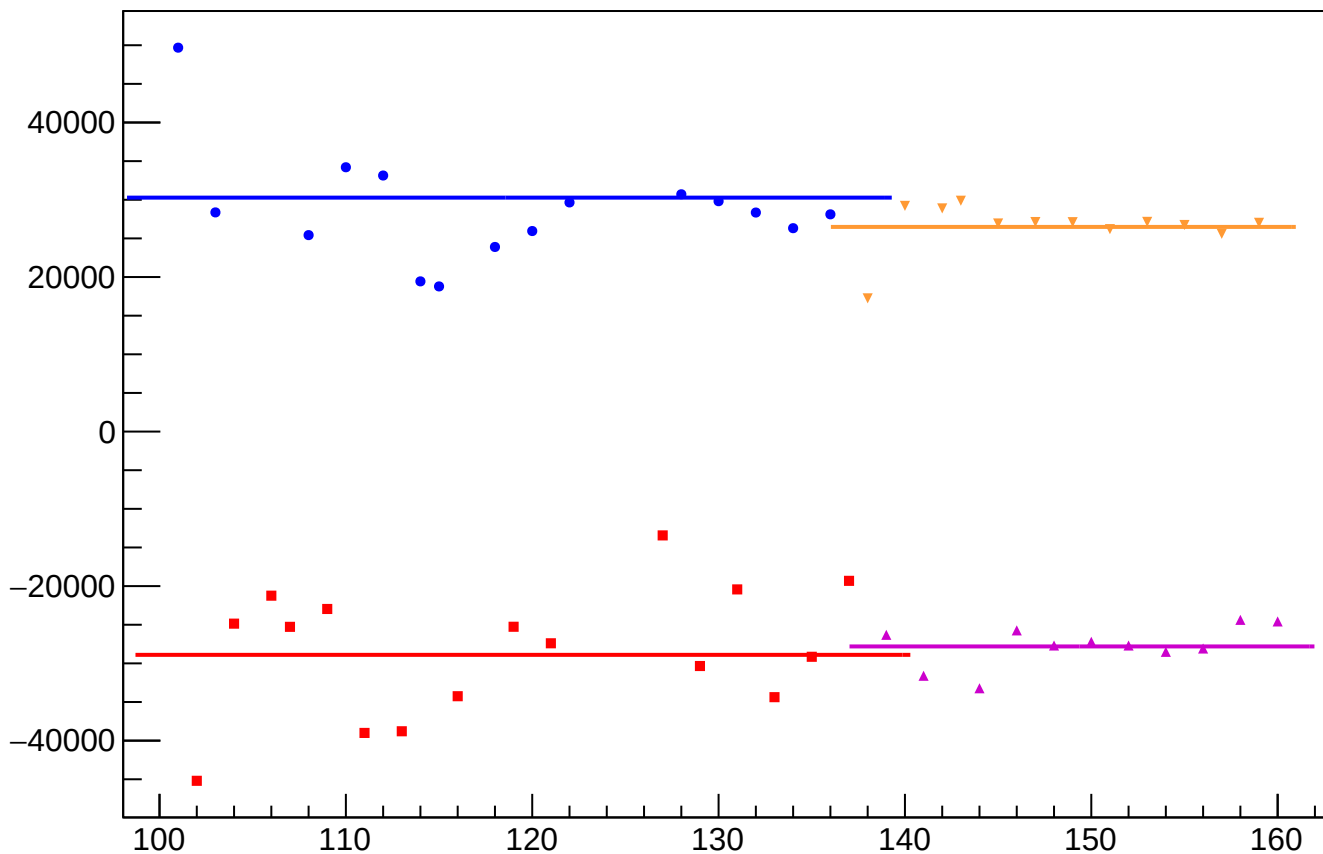
All: -15.611+/-0.000 χ^2/NDF : 106701634148

dit_atr1_coil4_Ndata_mean vs Slug, Sign Corrected



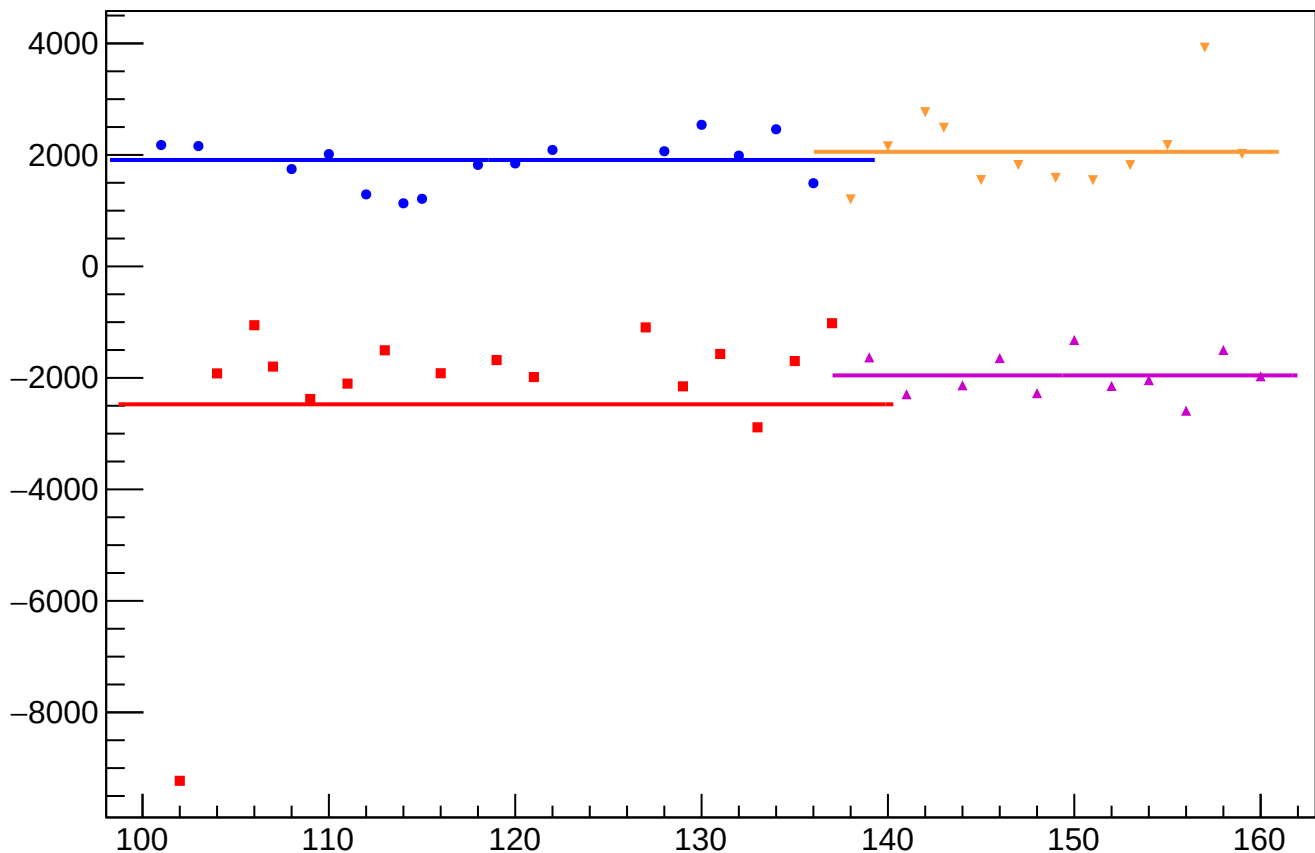
Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869+/-0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499+/-0.000 χ^2/NDF : 443493791328

dit_atr2_coil4_mean vs Slug, Sign Corrected



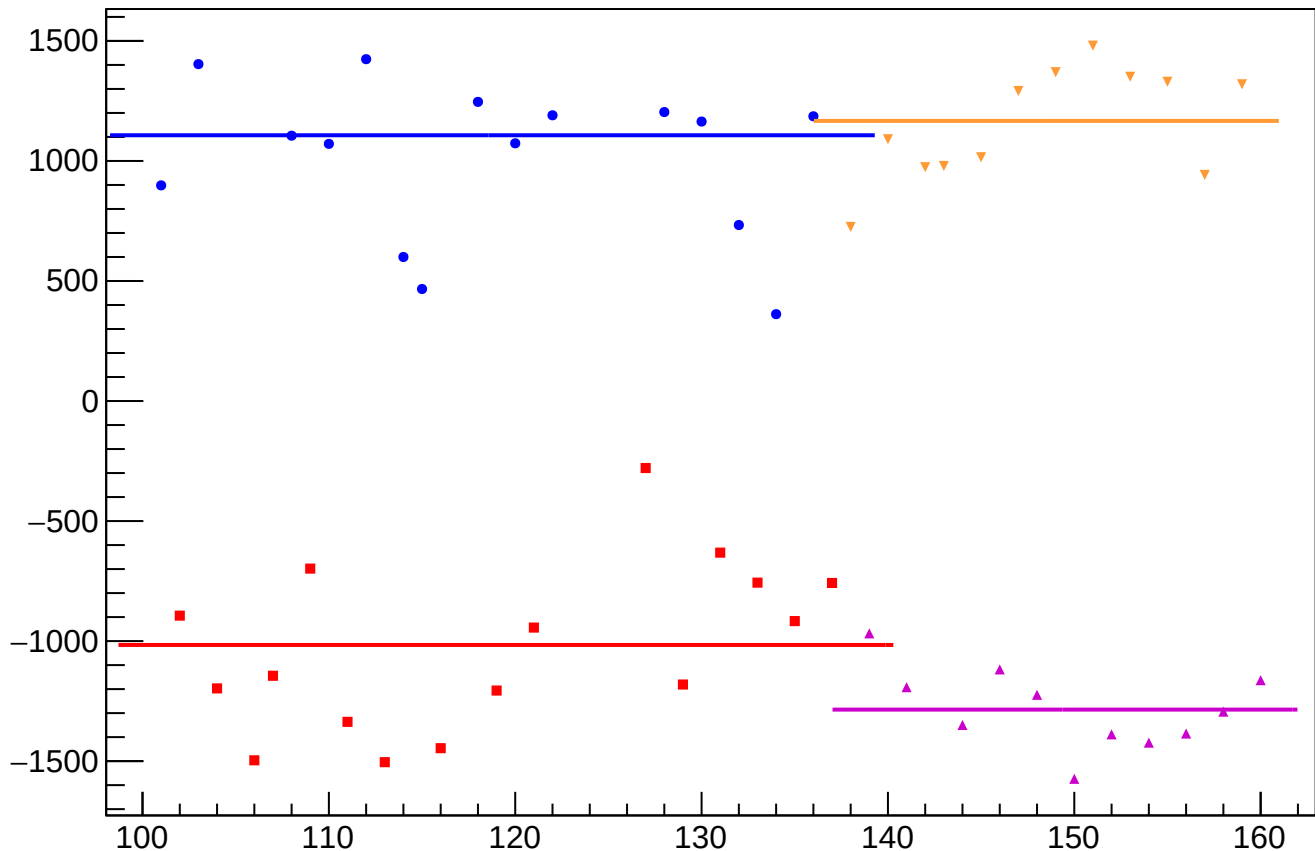
Right In: 30277.649+/-0.000 χ^2/NDF : 30975974641524142453090022540760519278592.0/14
 Left Out: 26486.725+/-0.000 χ^2/NDF : 8520993483340987429131750717035884052480.0/11
 Right Out: -28896.318+/-0.000 χ^2/NDF : 46969504058010359146250560228409714147328.0/15
 Left In: -27807.237+/-0.000 χ^2/NDF : 6193058620219899678835139815803642183680.0/10
 All: -351.512+/-0.000 χ^2/NDF : 25998642244

dit_atr2_coil4_err_mean vs Slug, Sign Corrected



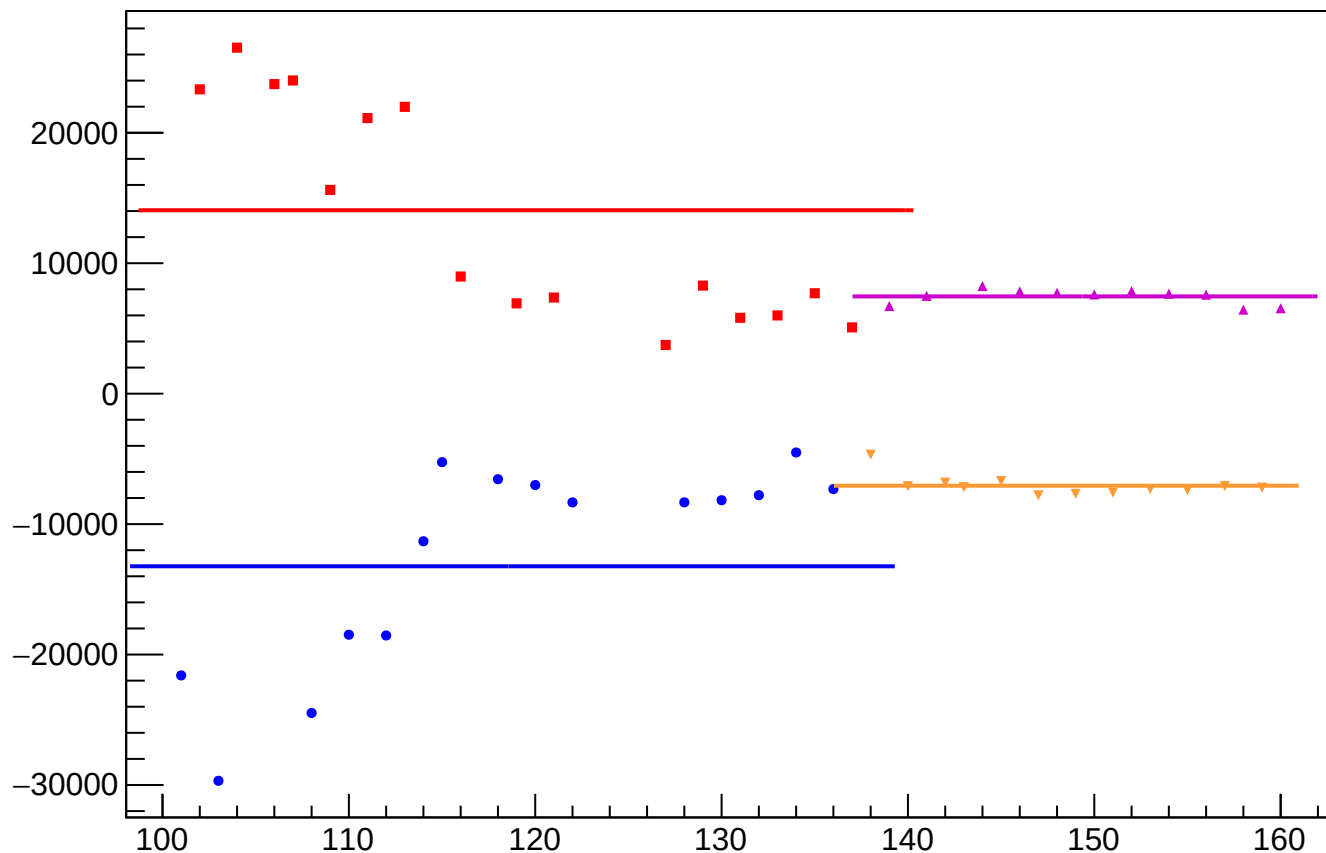
Right In: 1909.434+/-0.000 χ^2/NDF : 87636974094211671524177650165869445120.0/14
 Left Out: 2055.788+/-0.000 χ^2/NDF : 438010168588723075505721290768963862528.0/11
 Right Out: -2473.977+/-0.000 χ^2/NDF : 3033908025746418121738753286600386412544.0/15
 Left In: -1955.312+/-0.000 χ^2/NDF : 126909052383838166035294082177347616768.0/10
 All: -107.368+/-0.000 χ^2/NDF : 17494221106

dit_atr2_coil4_Ndata_mean vs Slug, Sign Corrected



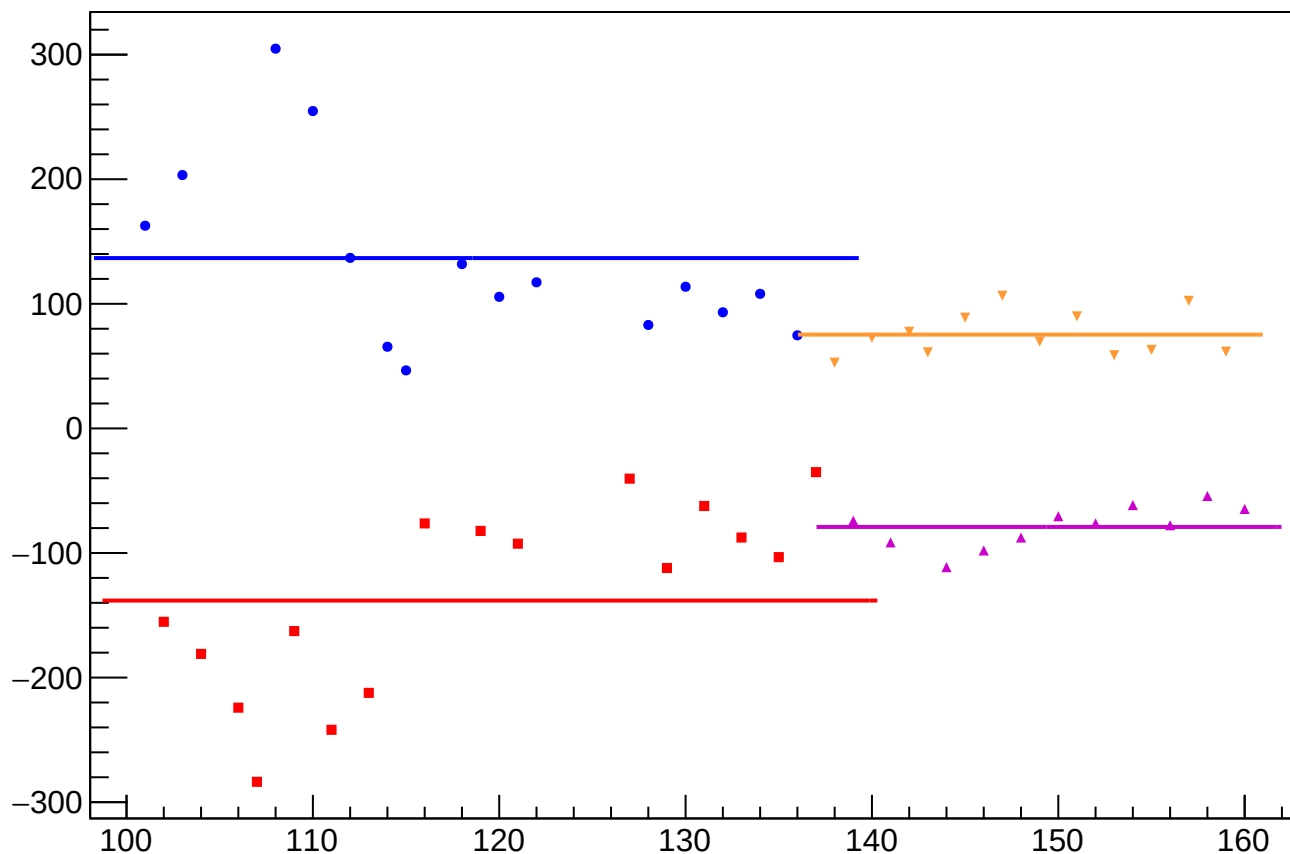
Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869+/-0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499+/-0.000 χ^2/NDF : 443493791328

dit_sam1_coil4_mean vs Slug, Sign Corrected



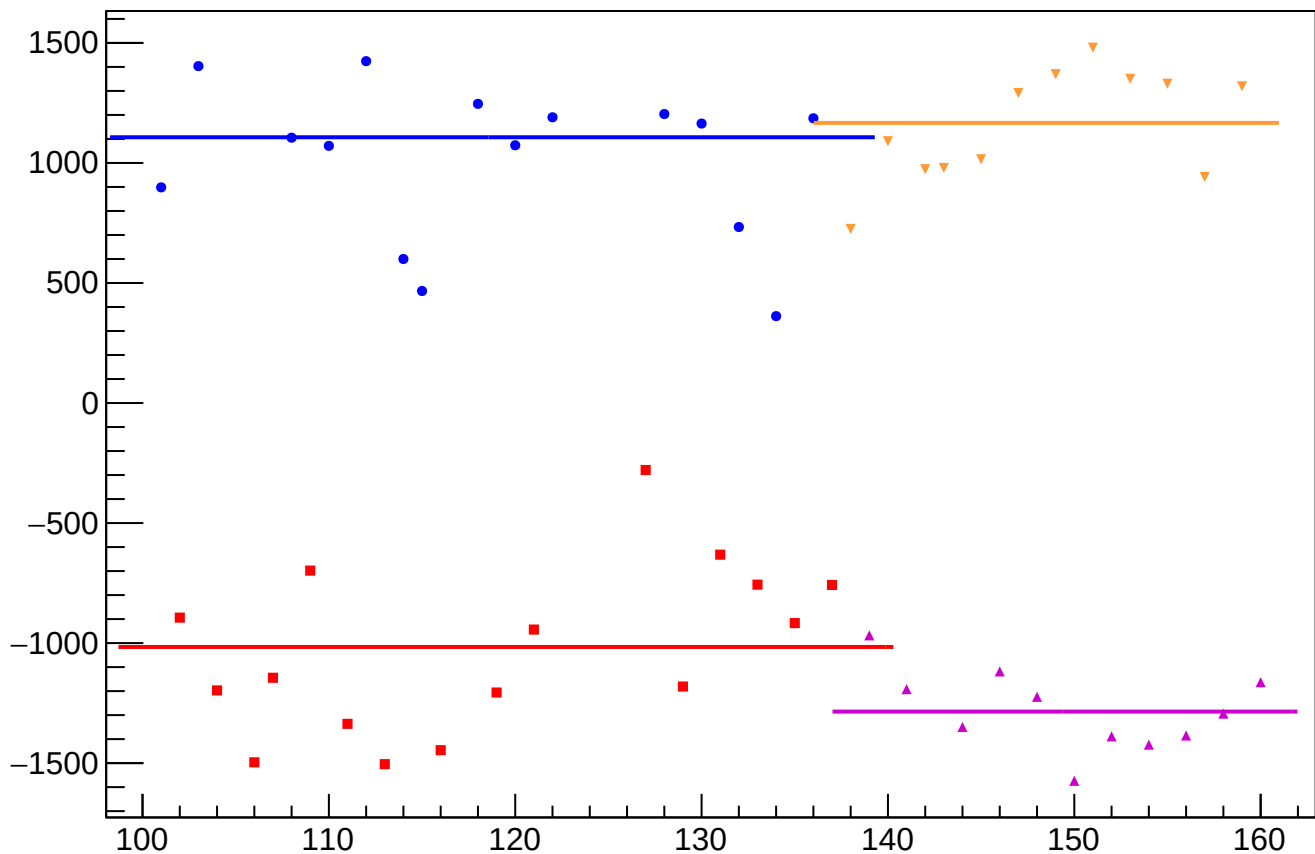
Left: 238.790+/-0.000 χ^2/NDF : 9764033800523105
 Right In: -13233.367+/-0.000 χ^2/NDF : 41257043836213043367596866559499640504320.0/14
 Right: 600.026+/-0.000 χ^2/NDF : 330784909470012
 Left Out: -7057.509+/-0.000 χ^2/NDF : 567022768290026836186795118569021505536.0/11
 In: -1080.099+/-0.000 χ^2/NDF : 204729341611961
 Right Out: 14060.103+/-0.000 χ^2/NDF : 44490594754280161766405556915711386845184.0/15
 Out: 1851.692+/-0.000 χ^2/NDF : 217018548162785
 Left In: 7456.124+/-0.000 χ^2/NDF : 284554324589778558842129447316923351040.0/10
 All: 389.515+/-0.000 χ^2/NDF : 428525321735

dit_sam1_coil4_err_mean vs Slug, Sign Corrected



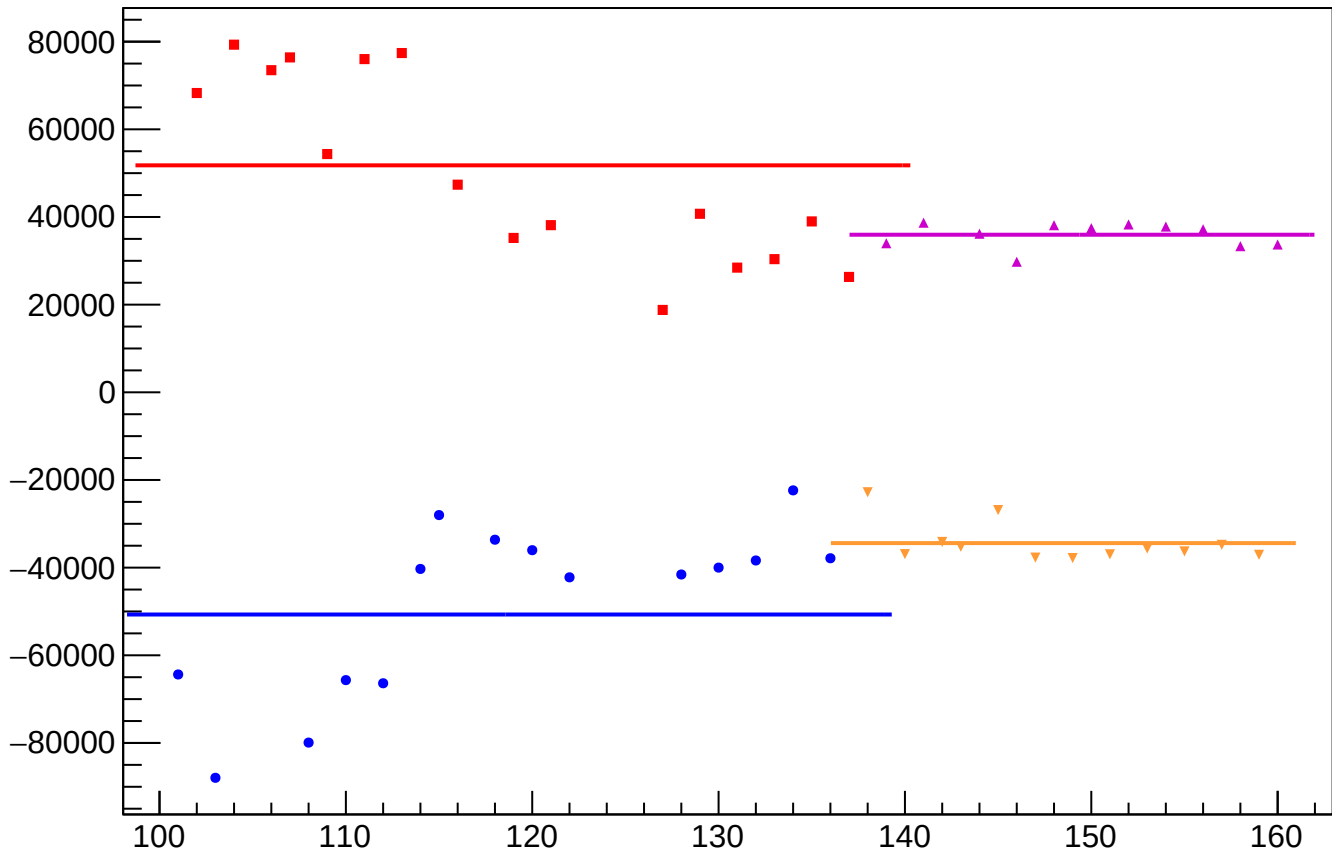
Right In: 136.711+/-0.000 χ^2/NDF : 2687065030885227126291764267456659456.0/14
 Left Out: 75.280+/-0.000 χ^2/NDF : 271565230291715258223184233837363200.0/11
 Right Out: -138.179+/-0.000 χ^2/NDF : 3230883352878636334641613561898467328.0/15
 Left In: -79.096+/-0.000 χ^2/NDF : 243975342218114768326270780809674752.0/10
 All: -2.448+/-0.000 χ^2/NDF : 4224006616846

dit_sam1_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052 $\pm$ 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869 $\pm$ 0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106 $\pm$ 0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364 $\pm$ 0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499 $\pm$ 0.000 χ^2/NDF : 443493791328

dit_sam2_coil4_mean vs Slug, Sign Corrected



Right In: -50695.424+/-0.000

Left Out: -34404.656+/-0.000

Right Out: 51783.912+/-0.000

Left In: 35949.660+/-0.000

χ^2/NDF : 226613585253908576683077761132188355526656.0/14

χ^2/NDF : 18820007226442898256054839449855820038144.0/11

χ^2/NDF : 281789617729131996271154198472617478848512.0/15

χ^2/NDF : 6535777806152232441815832130596699635712.0/10

Left: 963.890+/-0.000 χ^2/NDF : 2299689310411856

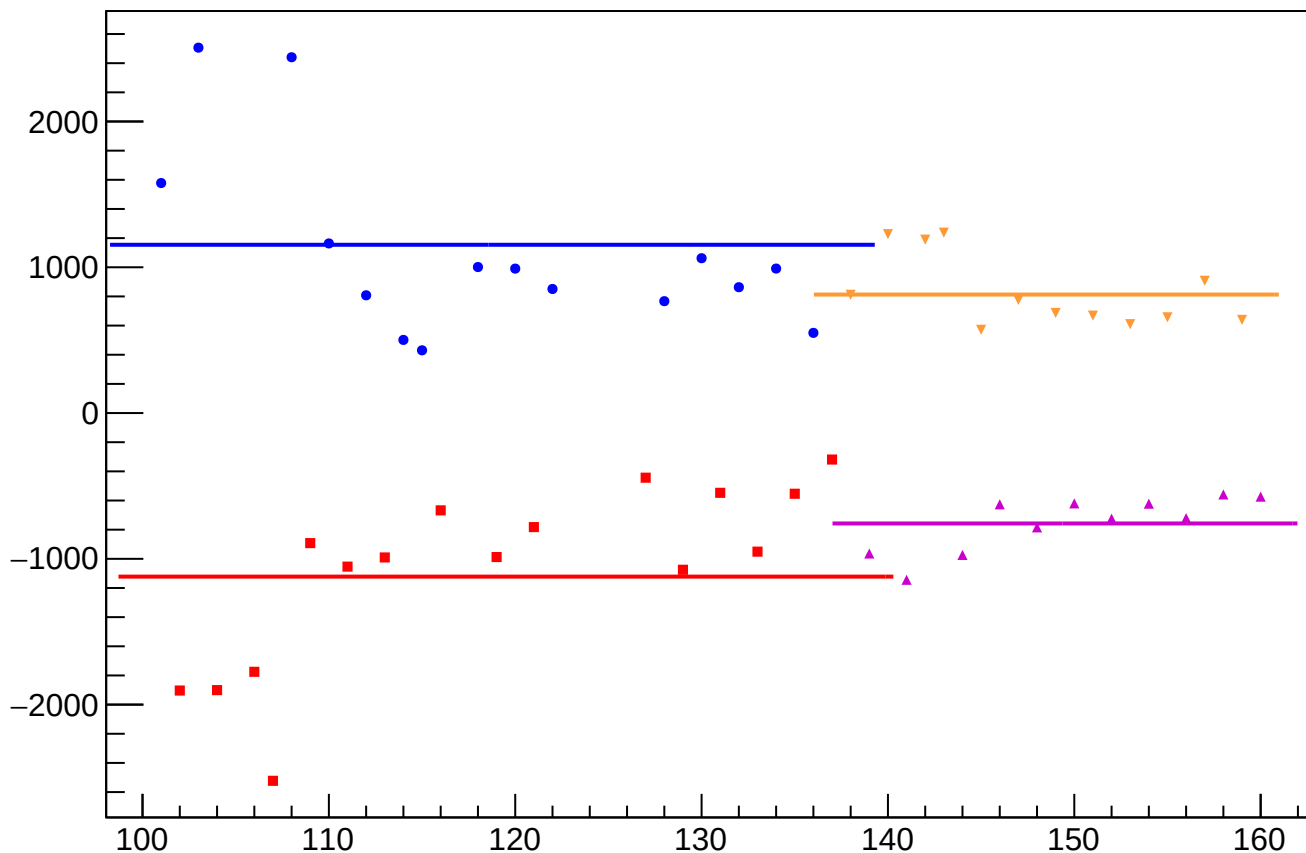
Right: 1245.090+/-0.000 χ^2/NDF : 39629195371379

In: 200.989+/-0.000 χ^2/NDF : 309519005844449410

Out: 1956.998+/-0.000 χ^2/NDF : 316504805338211

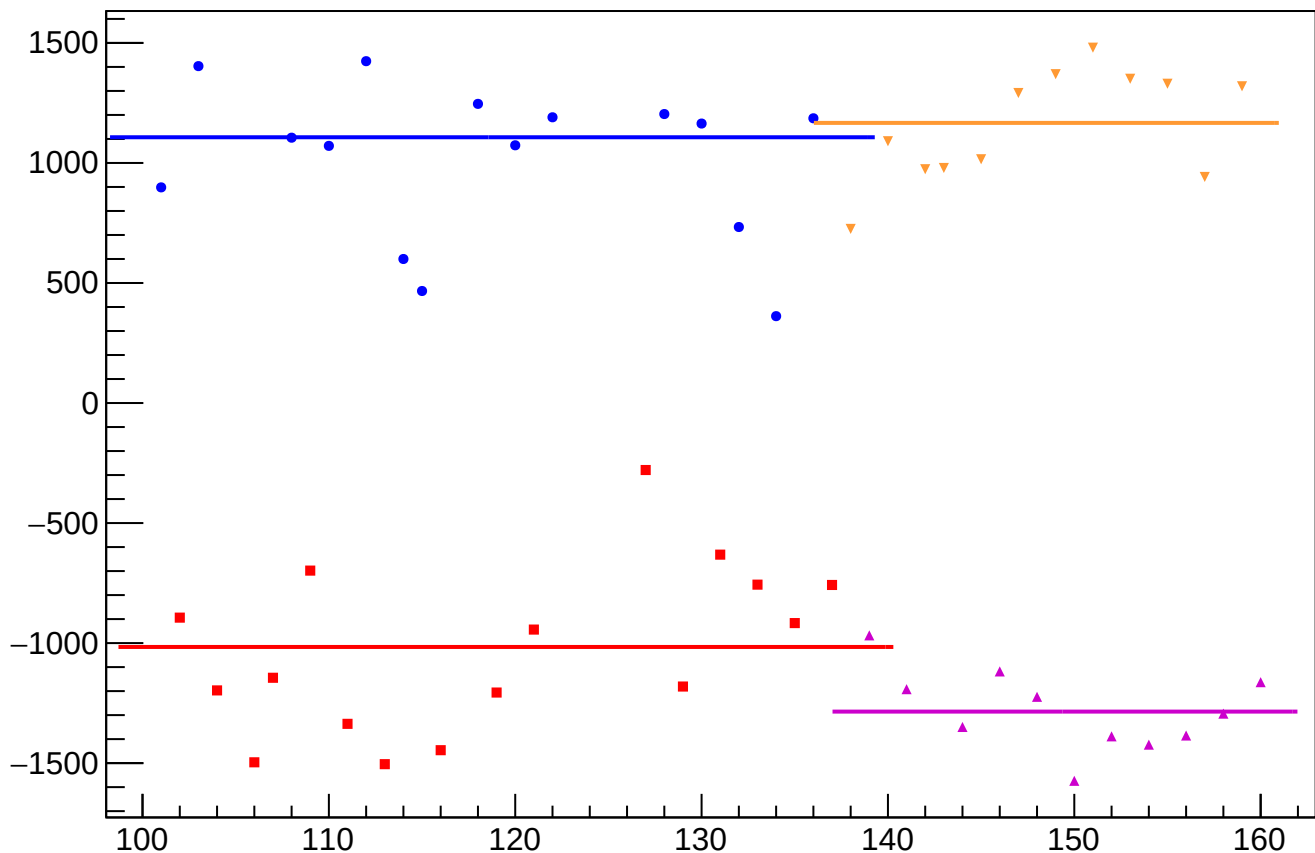
All: 1081.220+/-0.000 χ^2/NDF : 6262669489

dit_sam2_coil4_err_mean vs Slug, Sign Corrected



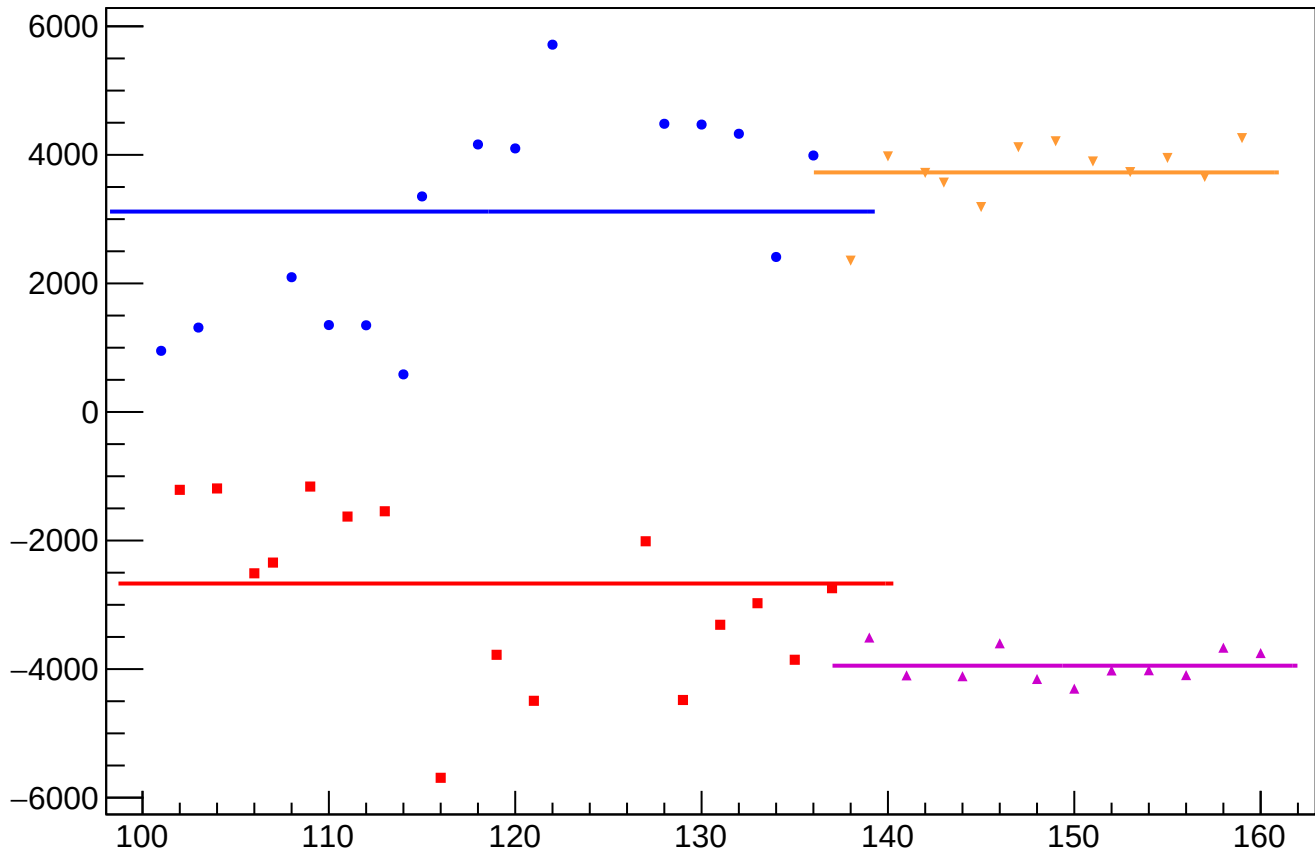
Left: 23.438+/-0.000 χ^2/NDF : 12126636203520677
 Right In: 1154.331+/-0.000 χ^2/NDF : 249270472563470703232737910394663731200.0/14
 Right: 0.631+/-0.000 χ^2/NDF : 21797856278979973
 Left Out: 812.768+/-0.000 χ^2/NDF : 48869150953187834312923483015749828608.0/11
 In: 31.386+/-0.000 χ^2/NDF : 167352264529272497
 Right Out: -1121.934+/-0.000 χ^2/NDF : 226159335639567338179811644002797617152.0/15
 Out: -3.453+/-0.000 χ^2/NDF : 17183684725504016
 Left In: -757.349+/-0.000 χ^2/NDF : 31036557490853362173363612241828511744.0/10
 All: 13.922+/-0.000 χ^2/NDF : 3392848168342

dit_sam2_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052 $\pm$ 0.000 χ^2 /NDF: 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869 $\pm$ 0.000 χ^2 /NDF: 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106 $\pm$ 0.000 χ^2 /NDF: 7256766433509192712184310037150171136.0/15
 Left In: -1285.364 $\pm$ 0.000 χ^2 /NDF: 24002572803732345959736048095514853376.0/10
 All: -25.499 $\pm$ 0.000 χ^2 /NDF: 443493791328

dit_sam3_coil4_mean vs Slug, Sign Corrected



Right In: 3117.914 $\pm$ 0.000

χ^2/NDF : 1552738593335565674554918493159210090496.0/14

Left Out: 3727.095 $\pm$ 0.000

χ^2/NDF : 237477678561542860292825834329185714176.0/11

Right Out: -2668.794 $\pm$ 0.000

χ^2/NDF : 1136406286131098596000054422131257114624.0/15

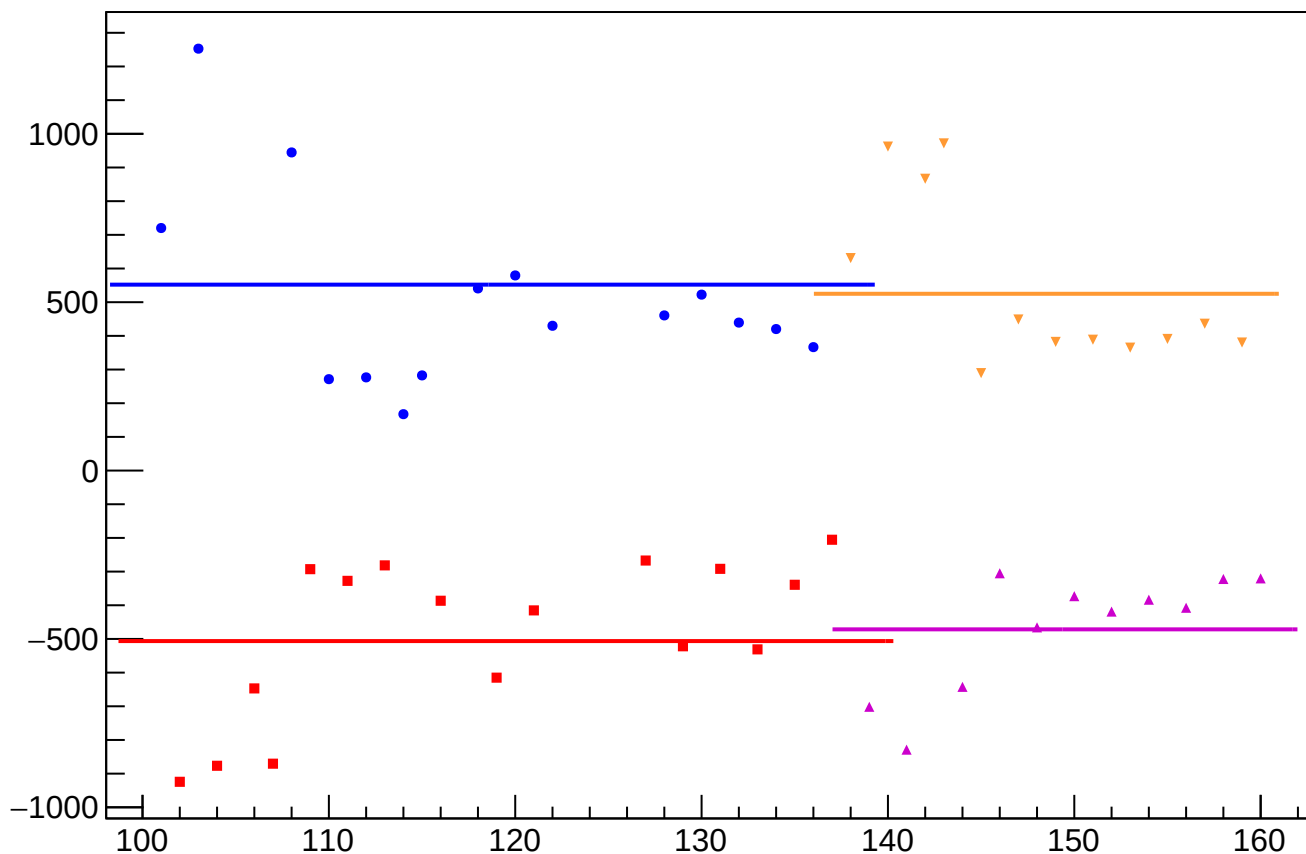
Left In: -3947.046 $\pm$ 0.000

χ^2/NDF : 56963661018859057070812095134472077312.0/10

All: 0.930 $\pm$ 0.000

χ^2/NDF : 41135190376945

dit_sam3_coil4_err_mean vs Slug, Sign Corrected



Right In: 552.108+/-0.000 χ^2/NDF : 50739041741159119848523988236001869824.0/14

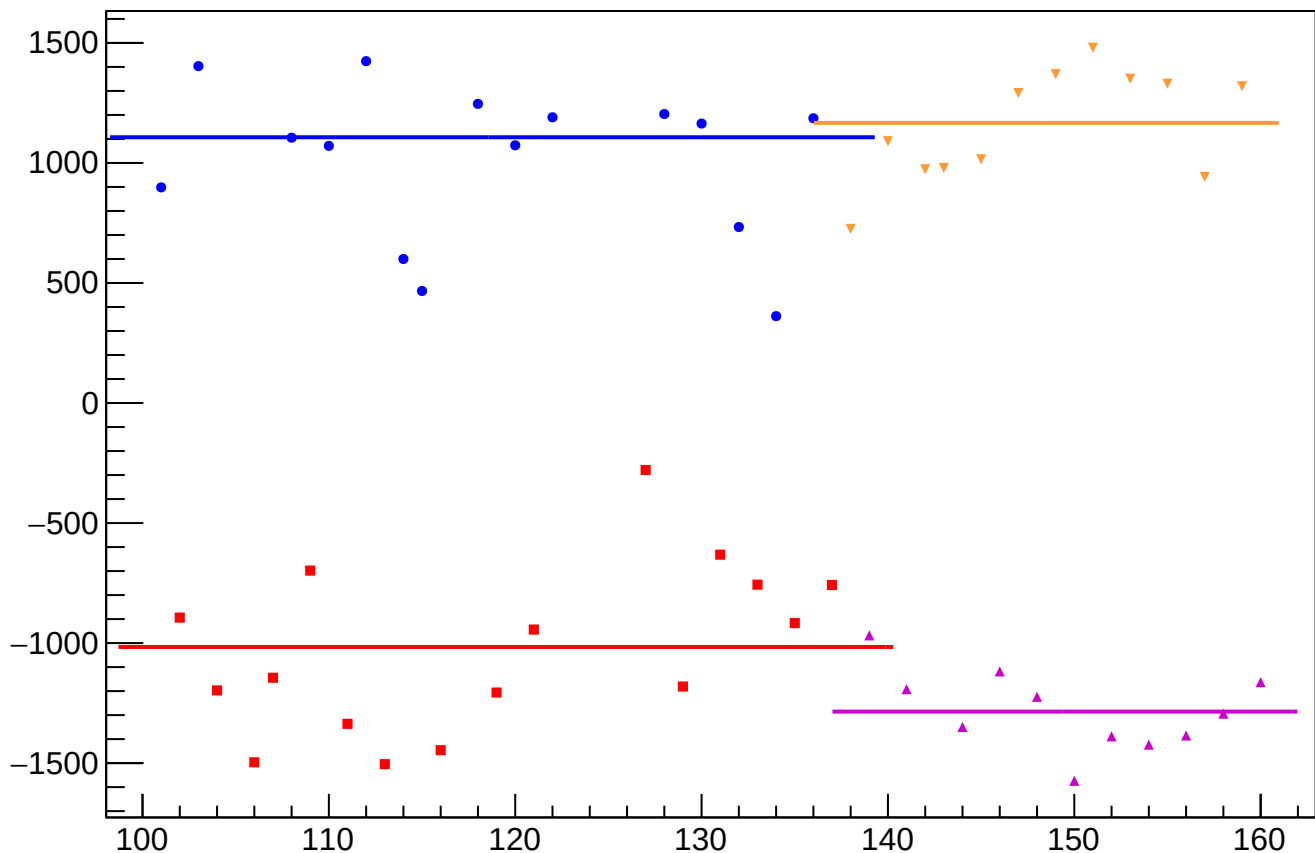
Left Out: 524.984+/-0.000 χ^2/NDF : 49120612413638370088062361036096798720.0/11

Right Out: -506.345+/-0.000 χ^2/NDF : 37181653297314883501659131806010572800.0/15

Left In: -471.540+/-0.000 χ^2/NDF : 25680884477827715914944205366363160576.0/10

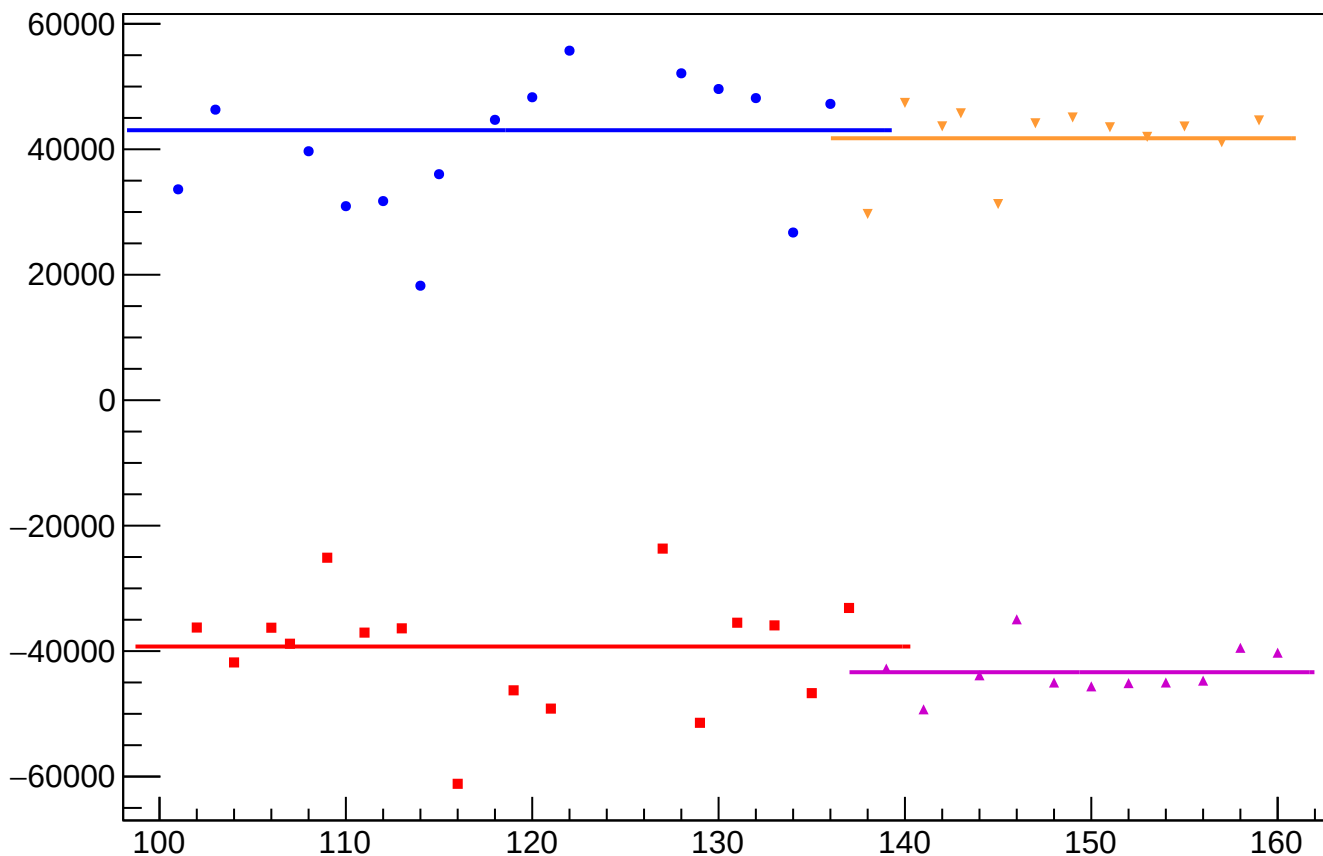
All: 20.520+/-0.000 χ^2/NDF : 9875911626514

dit_sam3_coil4_Ndata_mean vs Slug, Sign Corrected



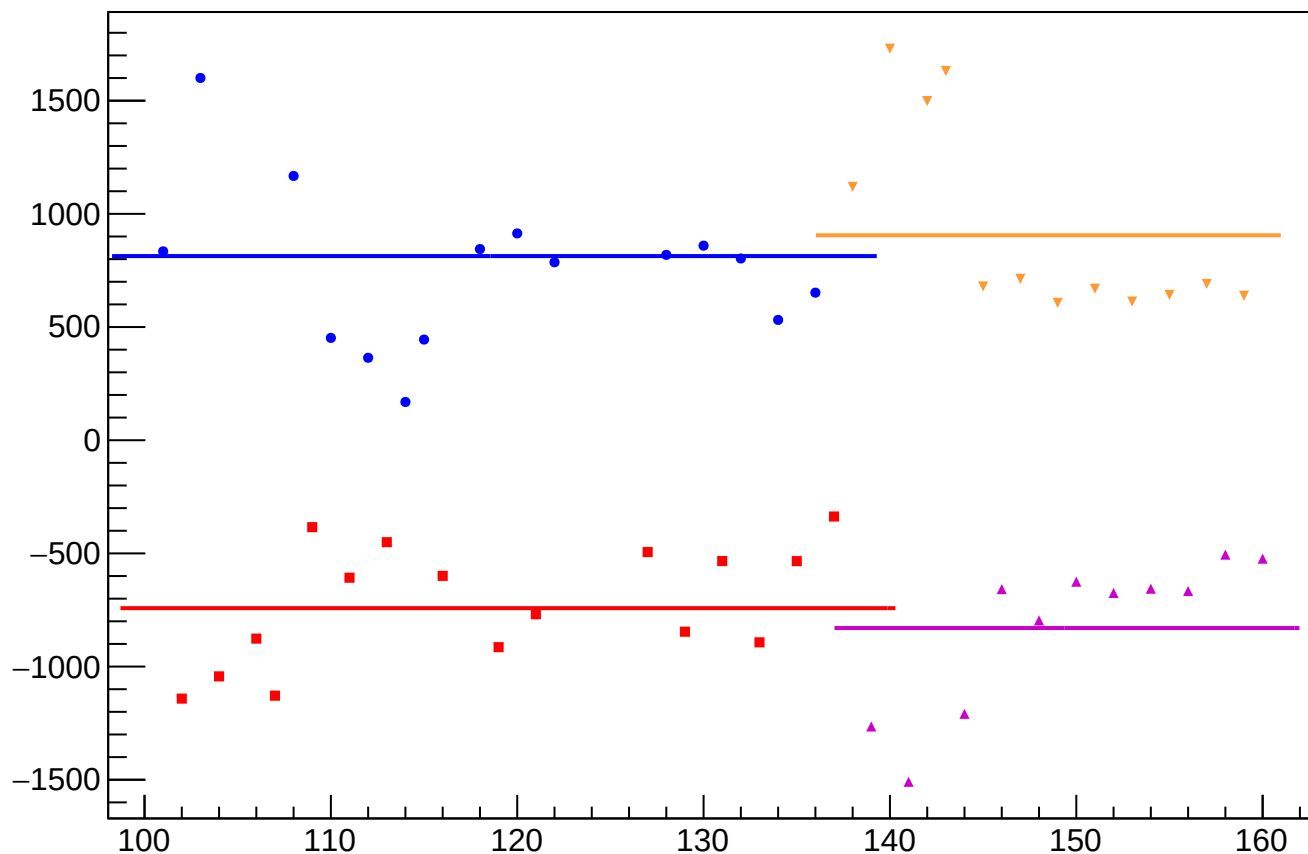
Right In: 1107.052 $\pm$ 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869 $\pm$ 0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106 $\pm$ 0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364 $\pm$ 0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499 $\pm$ 0.000 χ^2/NDF : 443493791328

dit_sam4_coil4_mean vs Slug, Sign Corrected



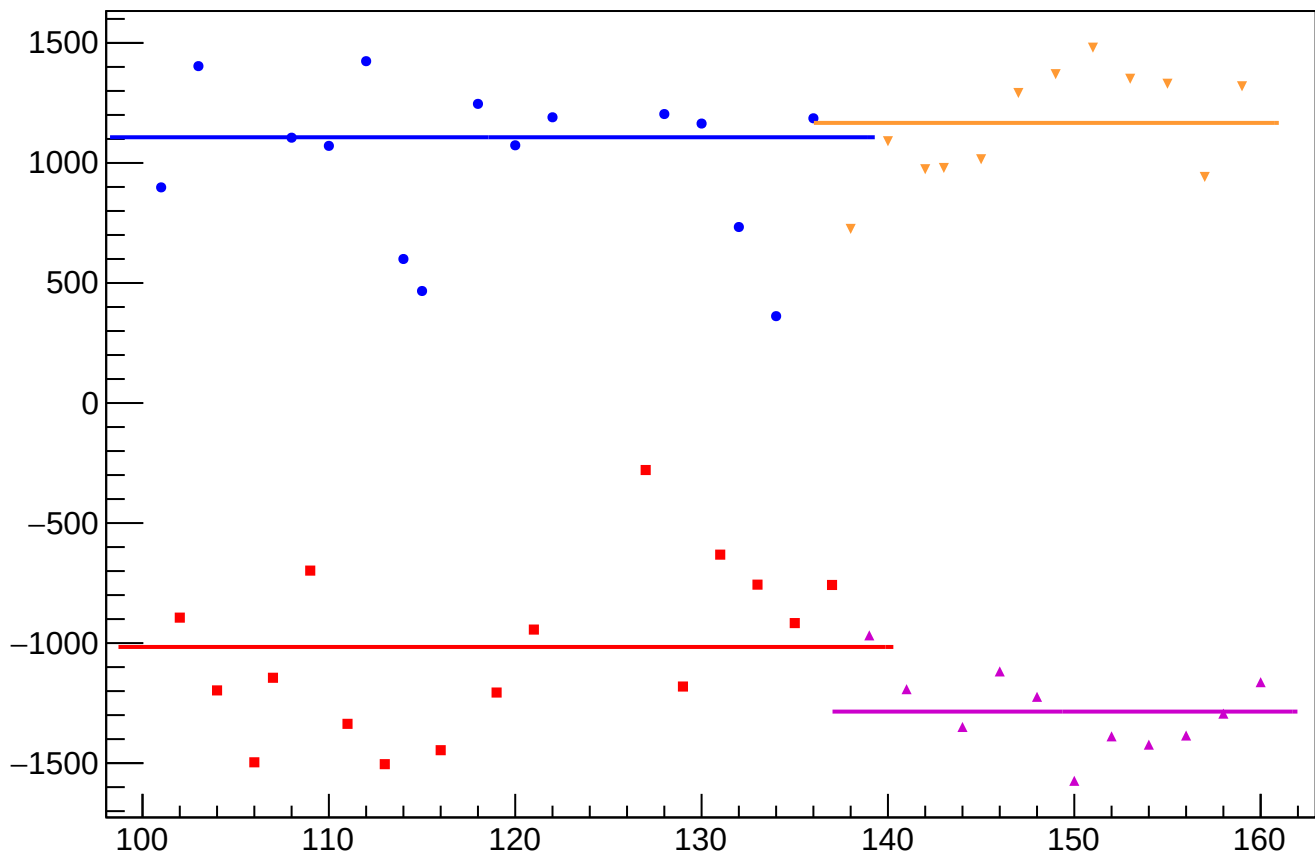
Right In: 43039.927+/-0.000 χ^2/NDF : 48397052922561722652666786407552179503104.0/14
 Left Out: 41759.238+/-0.000 χ^2/NDF : 26338532629522543185974017898719754584064.0/11
 Right Out: -39269.627+/-0.000 χ^2/NDF : 51873036517757666237545716605051585167360.0/15
 Left In: -43364.892+/-0.000 χ^2/NDF : 12209695723681592241000188414954802511872.0/10
 All: -51.092+/-0.000 χ^2/NDF : 570108278214

dit_sam4_coil4_err_mean vs Slug, Sign Corrected



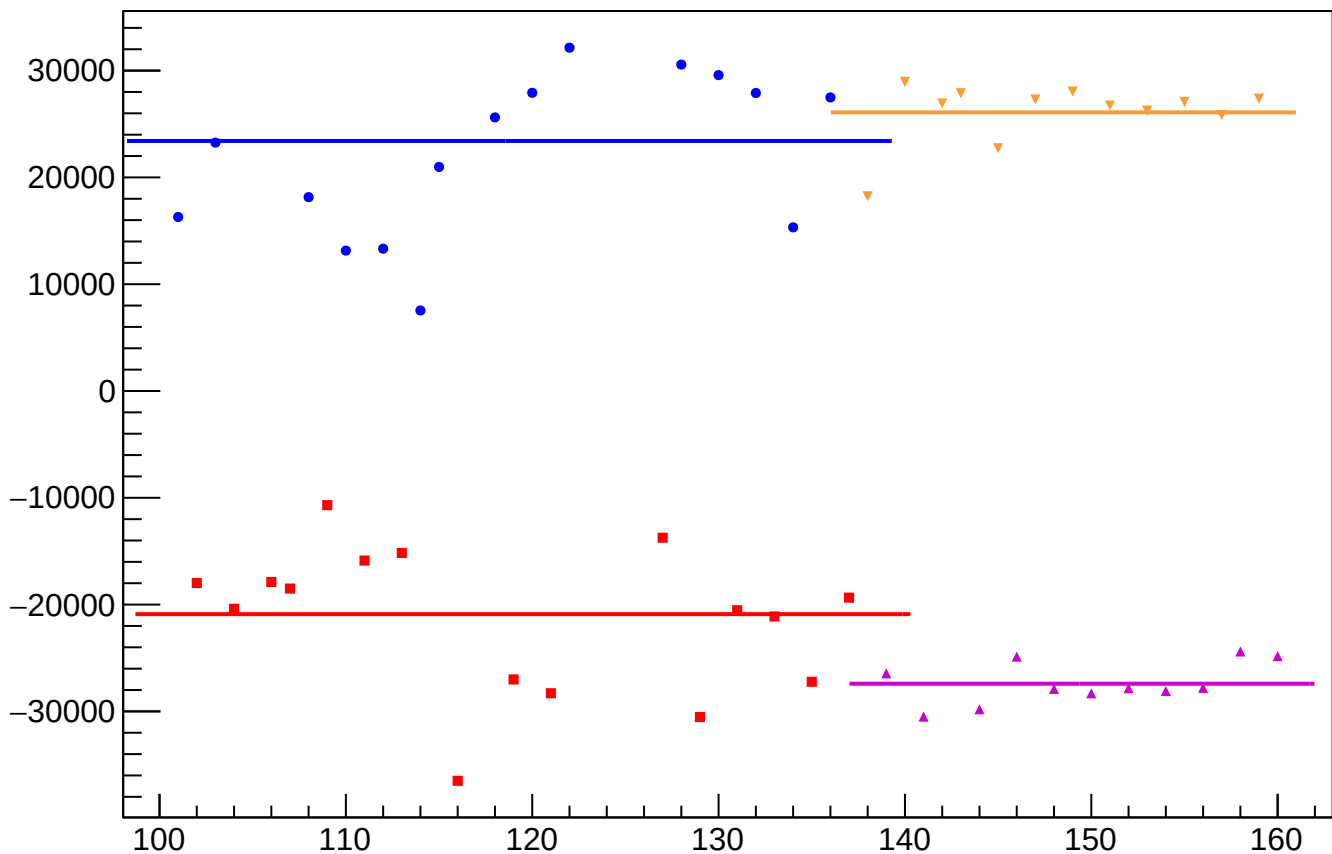
Right In: 813.500 $\pm$ 0.000 χ^2 /NDF: 67120916816548237638948787518351343616.0/14
 Left Out: 905.383 $\pm$ 0.000 χ^2 /NDF: 151600119297269061553878773288042233856.0/11
 Right Out: -741.911 $\pm$ 0.000 χ^2 /NDF: 44074134397215409235604746432671645696.0/15
 Left In: -829.715 $\pm$ 0.000 χ^2 /NDF: 96077836071623048341749512260917657600.0/10
 All: 29.794 $\pm$ 0.000 χ^2 /NDF: 2538038020154

dit_sam4_coil4_Ndata_mean vs Slug, Sign Corrected



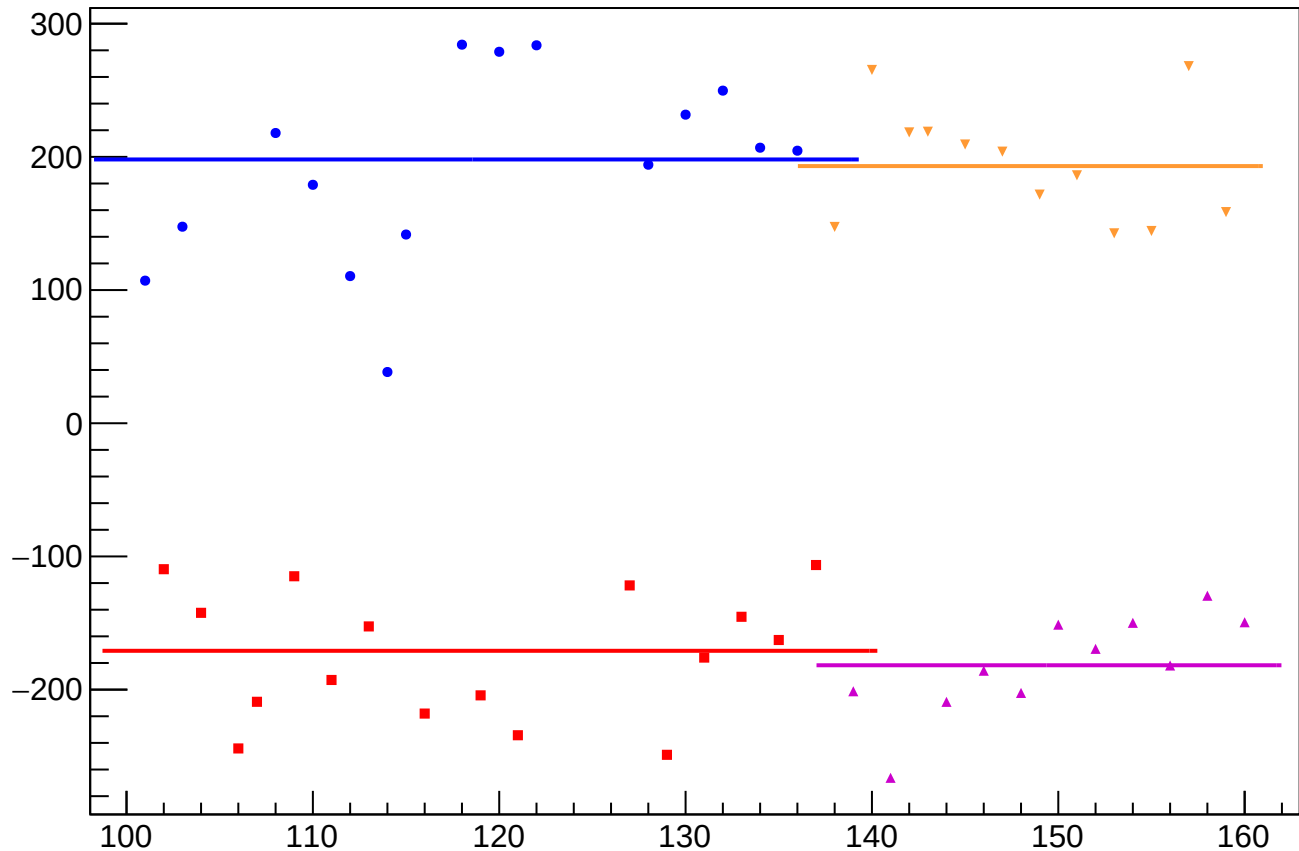
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_sam5_coil4_mean vs Slug, Sign Corrected



Right In: 23411.506+/-0.000 χ^2/NDF : 28427457471780319352885746571315708428288.0/14
 Left Out: 26089.435+/-0.000 χ^2/NDF : 7297474697325231234633060364075485102080.0/11
 Right Out: -20894.122+/-0.000 χ^2/NDF : 27408965804578649107002909409987218374656.0/15
 Left In: -27407.255+/-0.000 χ^2/NDF : 3322659858866093858426557456838465421312.0/10
 All: -70.029+/-0.000 χ^2/NDF : 202953713345

dit_sam5_coil4_err_mean vs Slug, Sign Corrected



Right In: 198.056 +/- 0.000

χ^2/NDF : 2482928792293864415922382990034862080.0/14

Left Out: 193.084 +/- 0.000

χ^2/NDF : 1682749705439949881122511912389574656.0/11

Right Out: -170.851 +/- 0.000

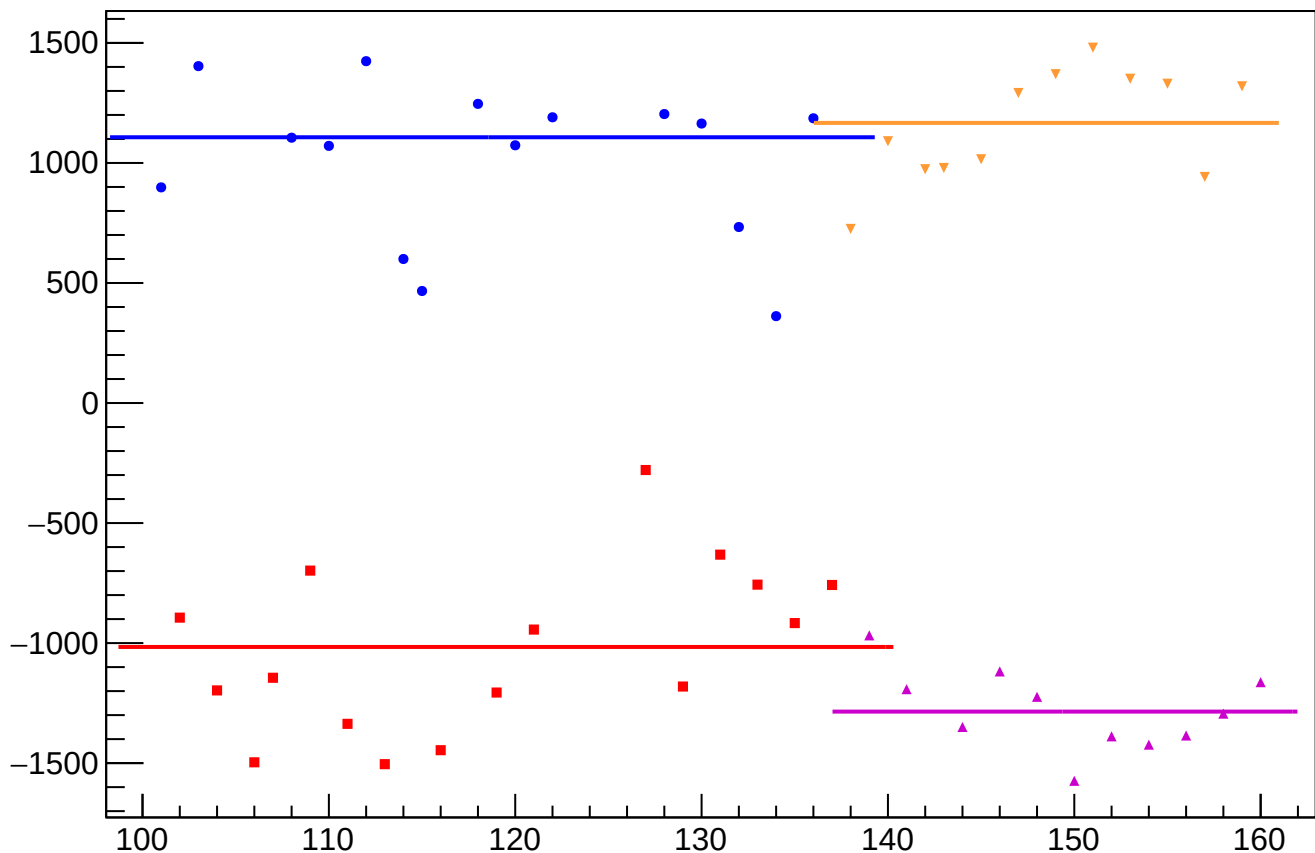
χ^2/NDF : 1418314816915016425155520631536615424.0/15

Left In: -181.711 +/- 0.000

χ^2/NDF : 1228549704796737698218369408017891328.0/10

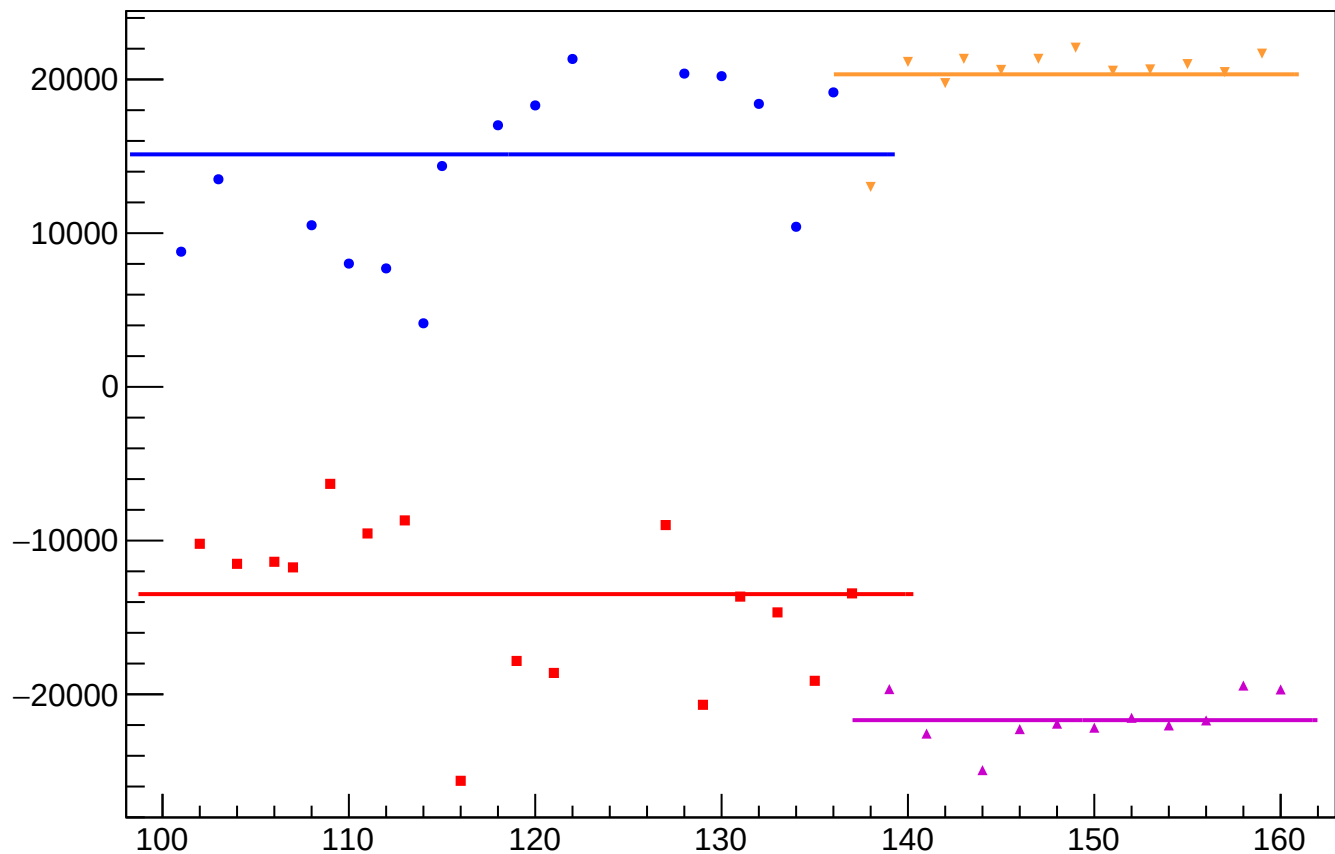
All: 7.342 +/- 0.000 χ^2/NDF : 11615483338933

dit_sam5_coil4_Ndata_mean vs Slug, Sign Corrected



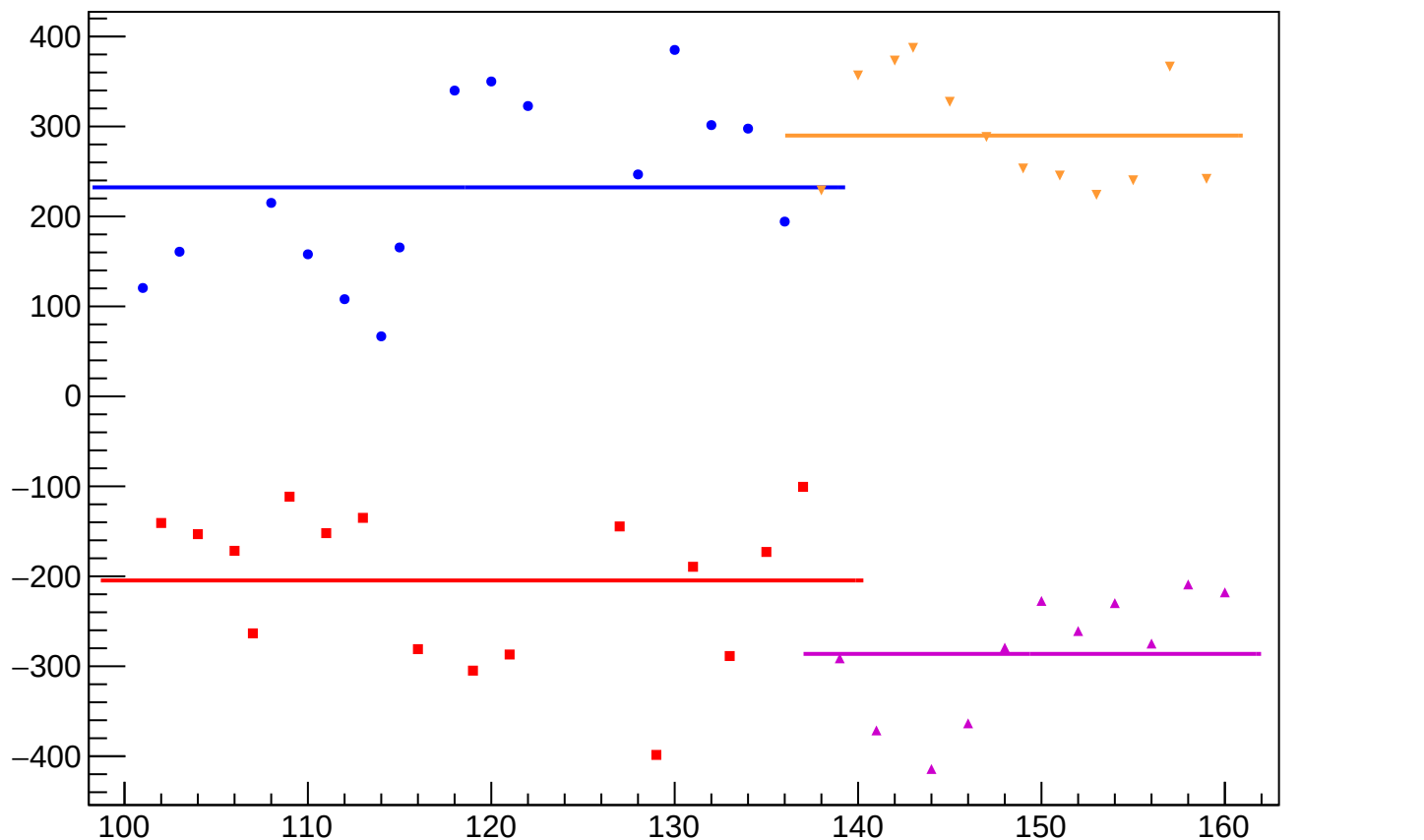
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 72567664333509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_sam6_coil4_mean vs Slug, Sign Corrected



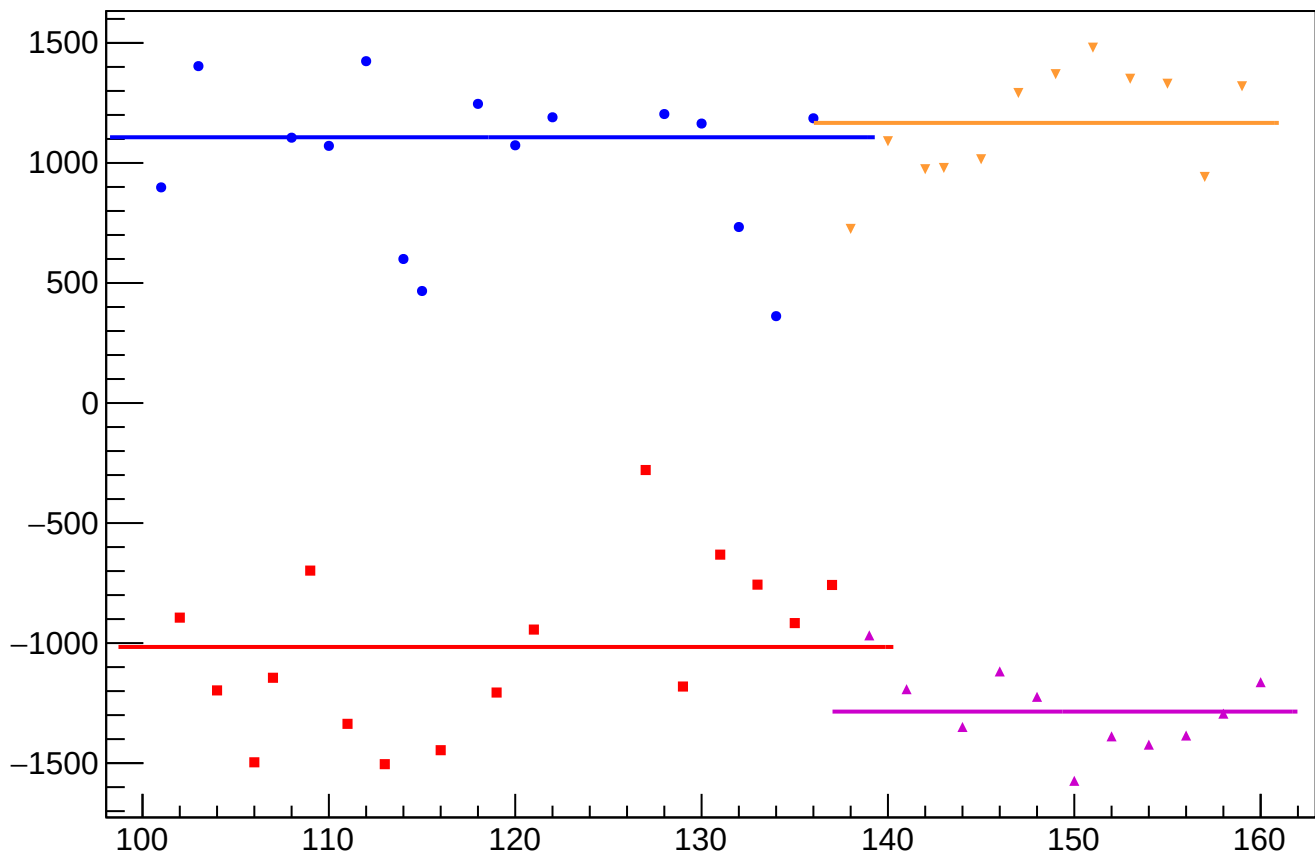
Right In: 15125.834 $\pm$ 0.000 χ^2 /NDF: 16615438767664069151744668380763246297088.0/14
 Left Out: 20333.061 $\pm$ 0.000 χ^2 /NDF: 4855949225776942763226853940369054236672.0/11
 Right Out: -13482.244 $\pm$ 0.000 χ^2 /NDF: 15910426475407825250252248749810022088704.0/15
 Left In: -21681.241 $\pm$ 0.000 χ^2 /NDF: 2108874573649202621711530332866310307840.0/10
 All: -198.174 $\pm$ 0.000 χ^2 /NDF: 11213217633

dit_sam6_coil4_err_mean vs Slug, Sign Corrected



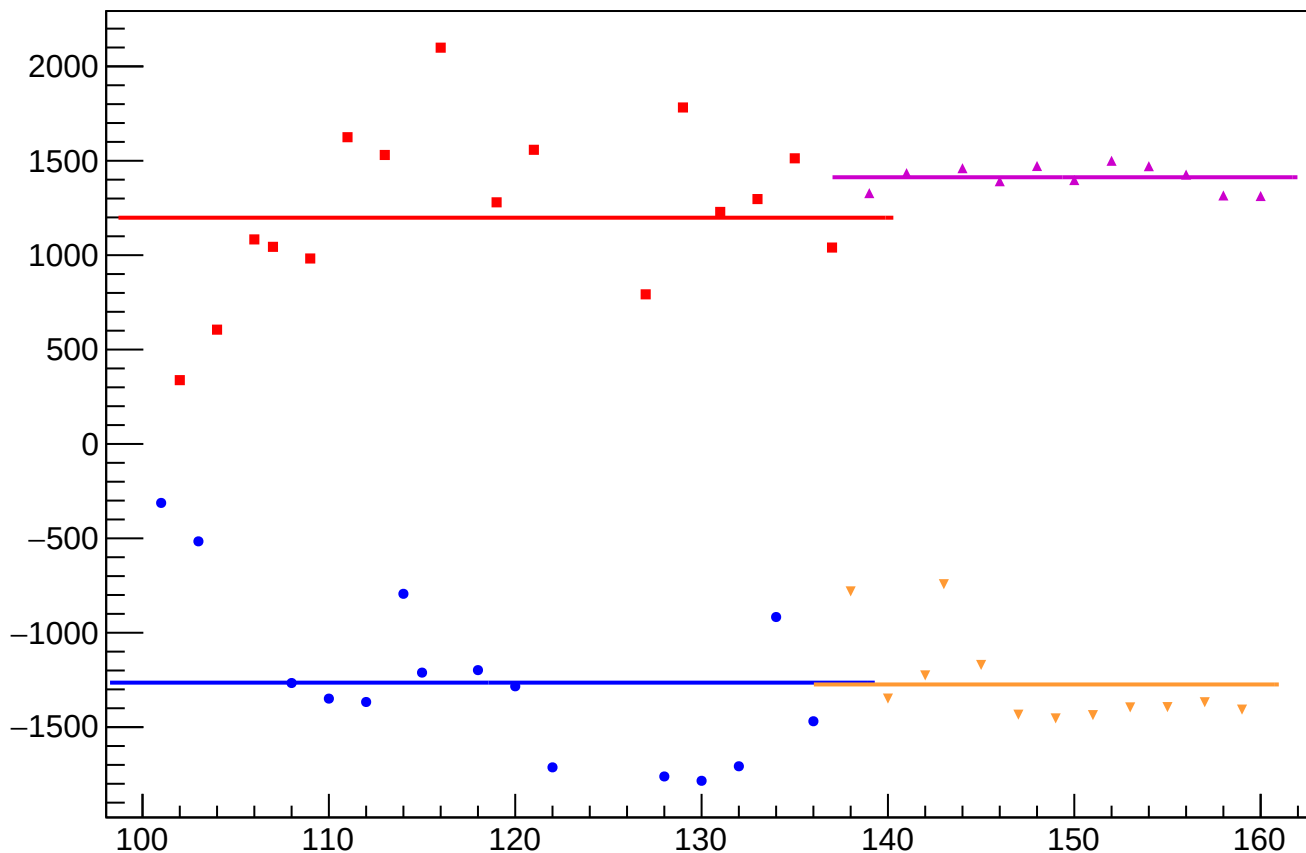
Right In: 232.312 $\pm$ 0.000 χ^2 /NDF: 5478184144885833956204804001180418048.0/14
 Left Out: 289.897 $\pm$ 0.000 χ^2 /NDF: 3202390993231935504147250998086205440.0/11
 Right Out: -204.637 $\pm$ 0.000 χ^2 /NDF: 4555067046835230017930882867882098688.0/15
 Left In: -286.246 $\pm$ 0.000 χ^2 /NDF: 4067110443230234744644750983181631488.0/10
 All: 4.677 $\pm$ 0.000 χ^2 /NDF: 23271380693899

dit_sam6_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869+/-0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499+/-0.000 χ^2/NDF : 443493791328

dit_sam7_coil4_mean vs Slug, Sign Corrected



Right In: -1264.303+/-0.000

Left Out: -1273.912+/-0.000

Right Out: 1198.483+/-0.000

Left In: 1412.771+/-0.000

χ^2/NDF : 140215251538502657549173994543931981824.0/14

χ^2/NDF : 50517219487332482659121972372719009792.0/11

χ^2/NDF : 131164763898016793515492217696167133184.0/15

χ^2/NDF : 3642959557366432228461510163957809152.0/10

Left: 76.739+/-0.000 χ^2/NDF : 33708552711057657

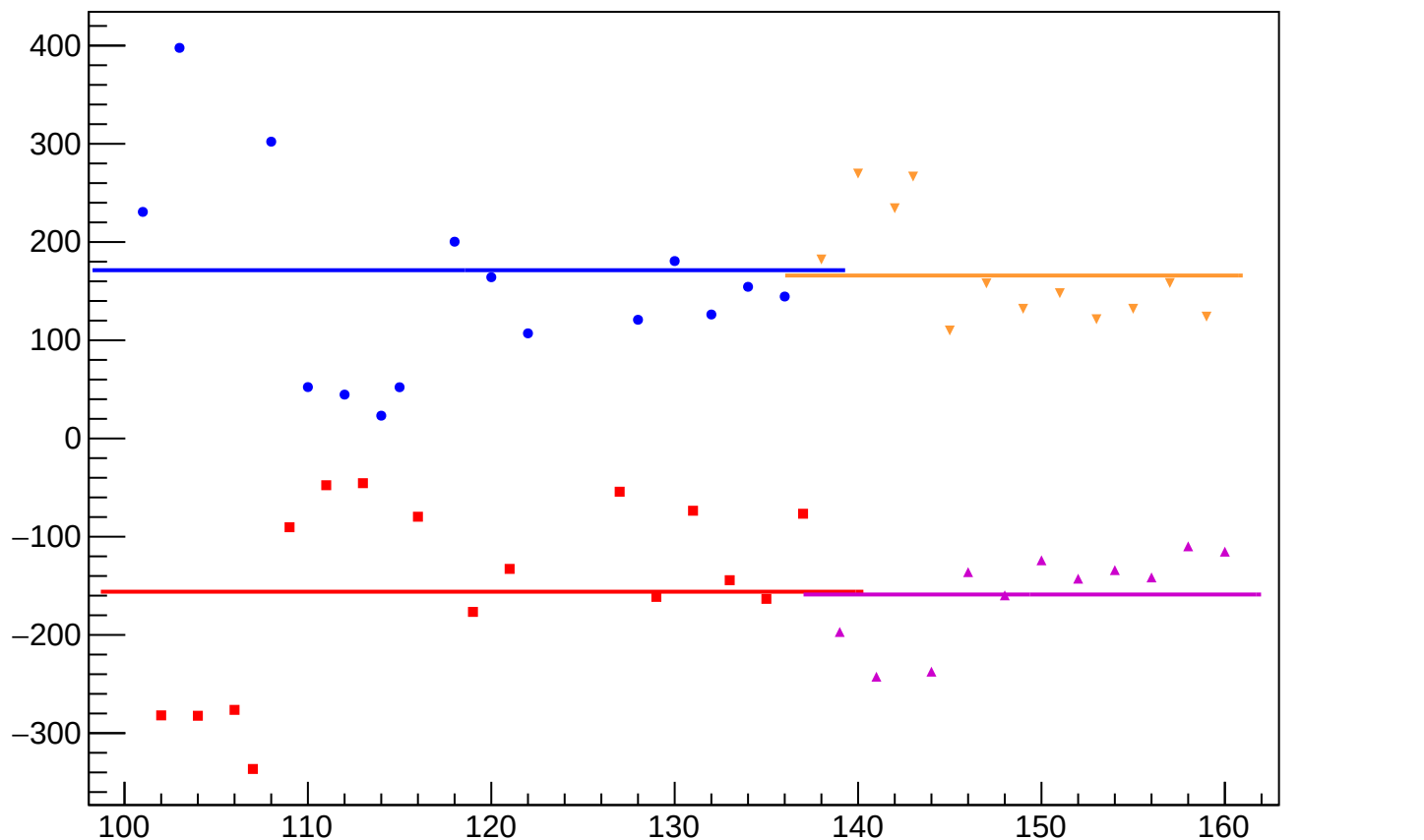
Right: -16.067+/-0.000 χ^2/NDF : 226649511001664

In: 308.244+/-0.000 χ^2/NDF : 28760344161485338

Out: -230.846+/-0.000 χ^2/NDF : 253877034127960

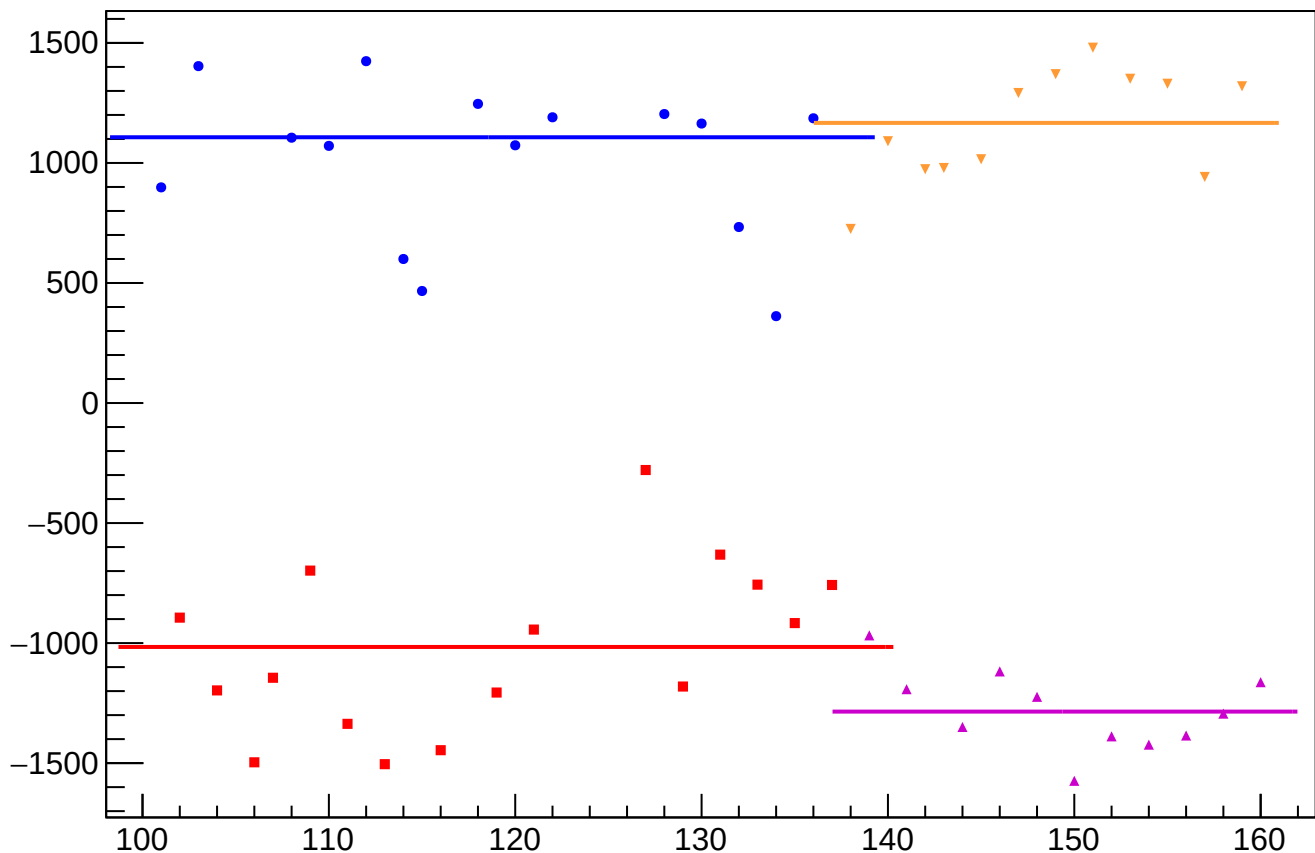
All: 38.016+/-0.000 χ^2/NDF : 5643955595721

dit_sam7_coil4_err_mean vs Slug, Sign Corrected



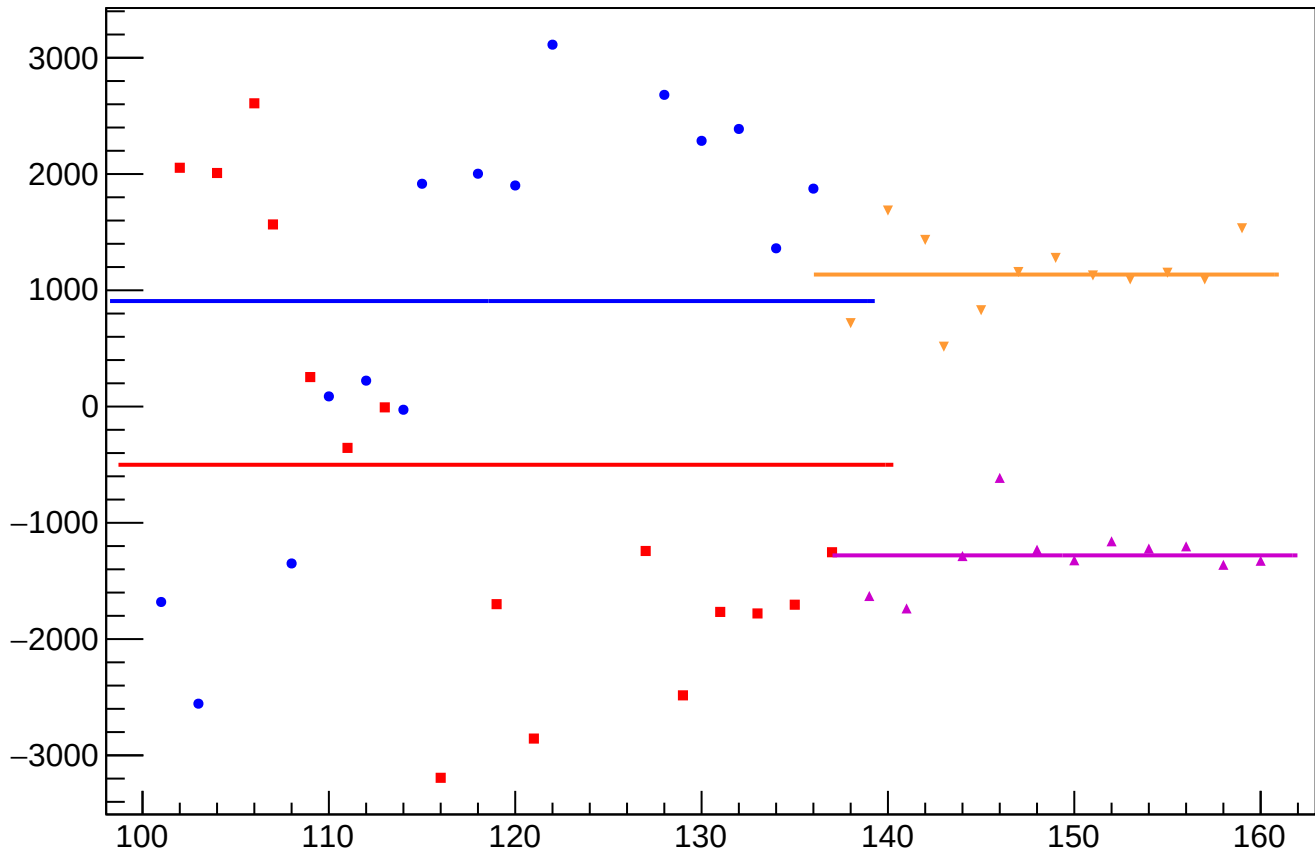
Right In: 171.323+/-0.000 χ^2/NDF : 6120975075187305509795143064993398784.0/14
 Left Out: 165.917+/-0.000 χ^2/NDF : 2574923375517186479088669940447707136.0/11
 Right Out: -155.993+/-0.000 χ^2/NDF : 5680659281504595852021524727244783616.0/15
 Left In: -158.834+/-0.000 χ^2/NDF : 1853310895668256586520412981739651072.0/10
 All: 3.813+/-0.000 χ^2/NDF : 99935728912409

dit_sam7_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869+/-0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499+/-0.000 χ^2/NDF : 443493791328

dit_sam8_coil4_mean vs Slug, Sign Corrected



Right In: 907.442+/-0.000

χ^2/NDF : 2107238007691848638499662178406566461440.0/14

Left Out: 1135.509+/-0.000

χ^2/NDF : 90454761773489591793478678074609369088.0/11

Right Out: -500.689+/-0.000

χ^2/NDF : 2074232918749953174436803426379074895872.0/15

Left In: -1279.995+/-0.000

χ^2/NDF : 67592304703884032028559239448782438400.0/10

Left: -78.814+/-0.000 χ^2/NDF : 2838993659503494

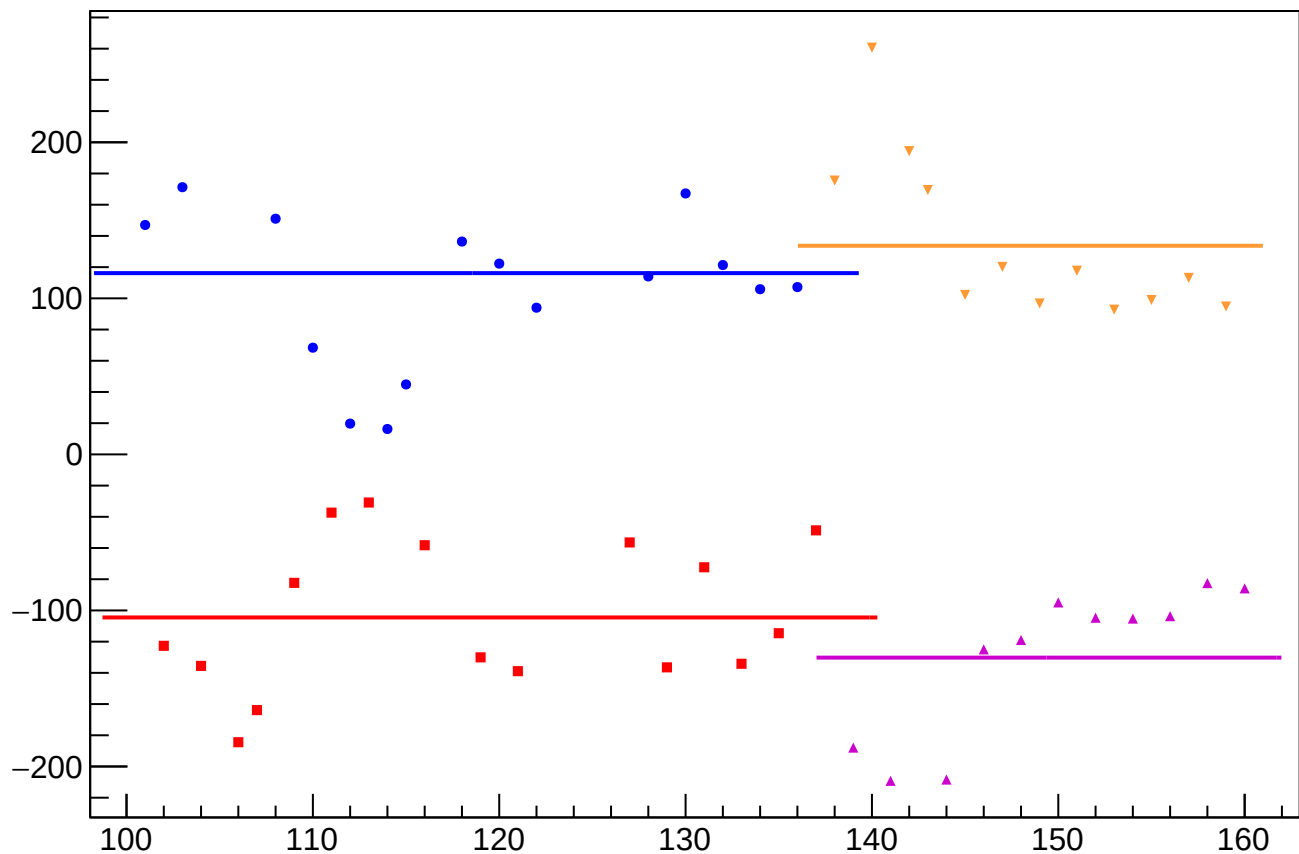
Right: 193.746+/-0.000 χ^2/NDF : 483370034209518

In: -377.486+/-0.000 χ^2/NDF : 3998973168088028

Out: 445.222+/-0.000 χ^2/NDF : 3197001629965650

All: 34.911+/-0.000 χ^2/NDF : 7729666433906

dit_sam8_coil4_err_mean vs Slug, Sign Corrected



Right In: 116.159+/-0.000

χ^2/NDF : 1198526427485199785396504127288115200.0/14

Left Out: 133.695+/-0.000

χ^2/NDF : 2332238004384262852879386446827356160.0/11

Right Out: -104.501+/-0.000

χ^2/NDF : 1285986383644058507445602420764180480.0/15

Left In: -130.237+/-0.000

χ^2/NDF : 1968814259217478663576054483231178752.0/10

Left: 1.011+/-0.000 χ^2/NDF : 363089448385334354

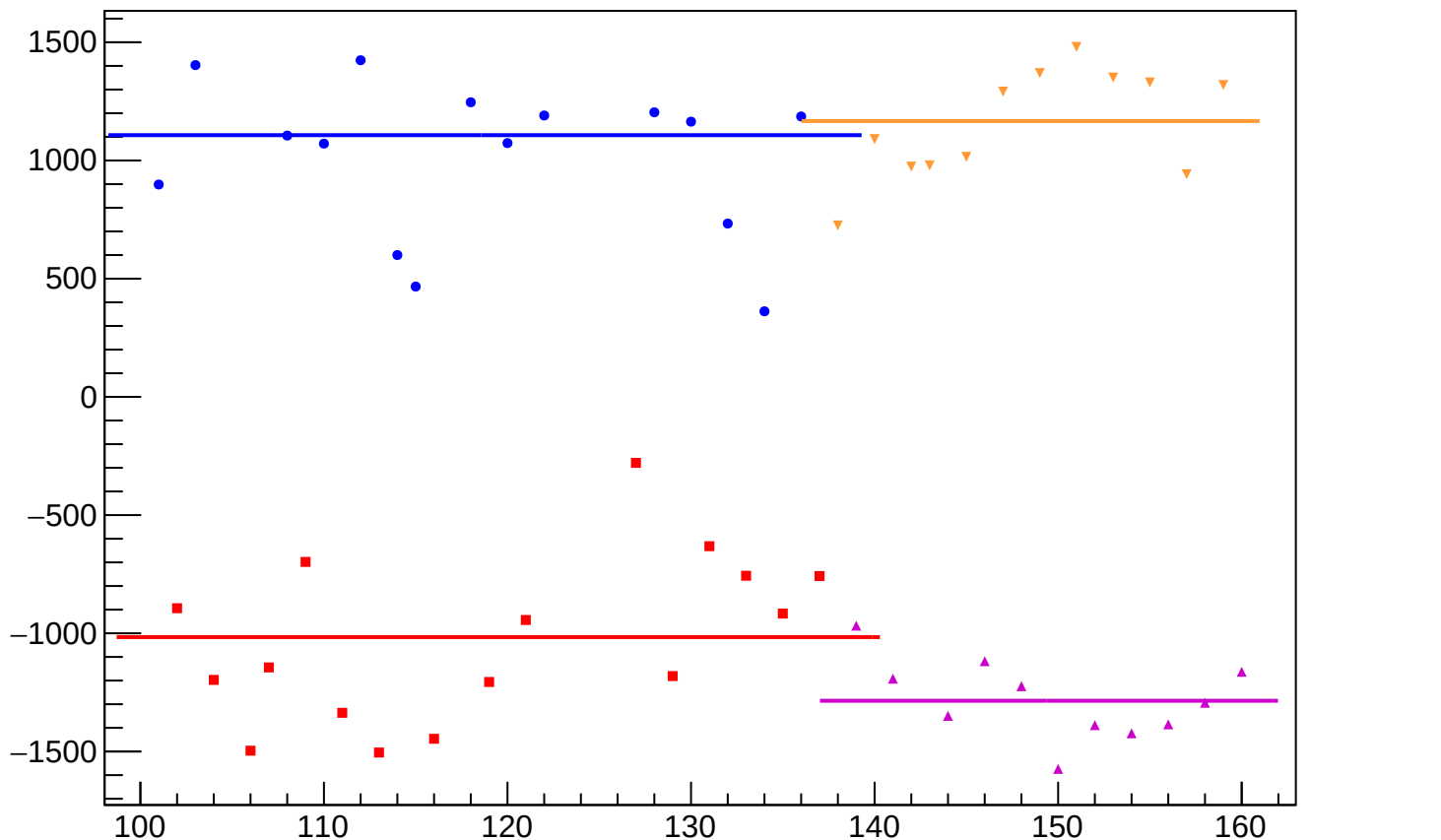
Right: 4.320+/-0.000 χ^2/NDF : 18500756430901072

In: -28.577+/-0.000 χ^2/NDF : 26312198647459661

Out: 33.204+/-0.000 χ^2/NDF : 25496298495933120

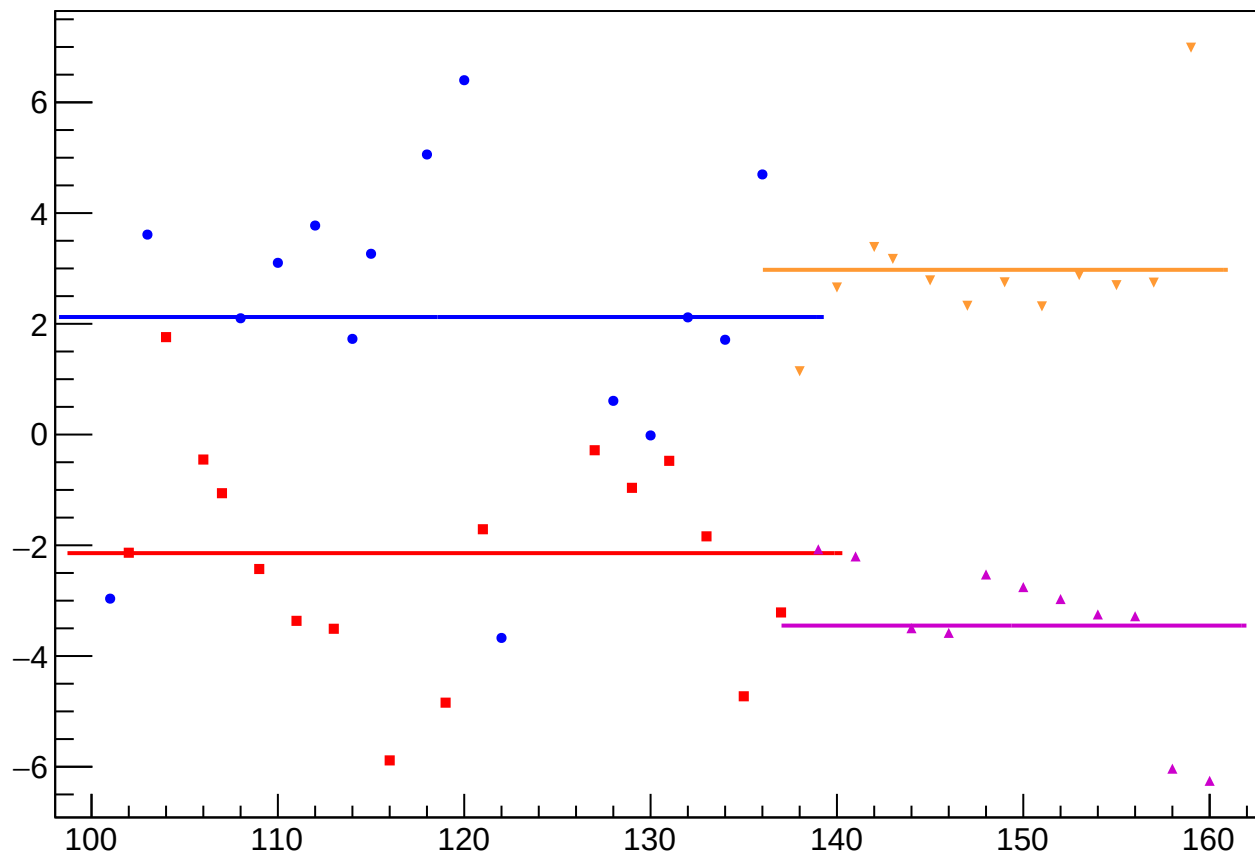
All: 2.392+/-0.000 χ^2/NDF : 54818097492999

dit_sam8_coil4_Ndata_mean vs Slug, Sign Corrected



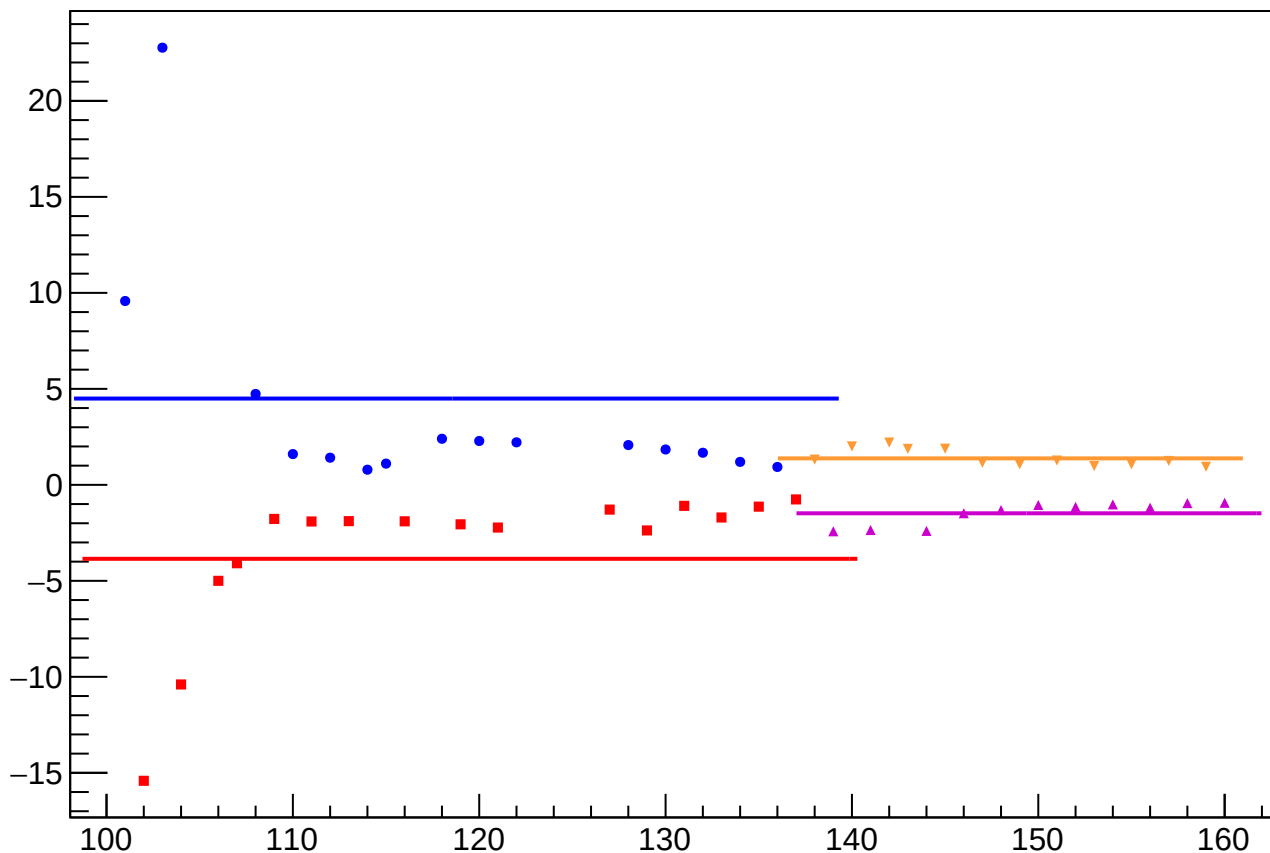
Right In: 1107.052 +/- 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869 +/- 0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106 +/- 0.000 χ^2/NDF : 72567664333509192712184310037150171136.0/15
 Left In: -1285.364 +/- 0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499 +/- 0.000 χ^2/NDF : 443493791328

dit_4aX_coil6_mean vs Slug, Sign Corrected



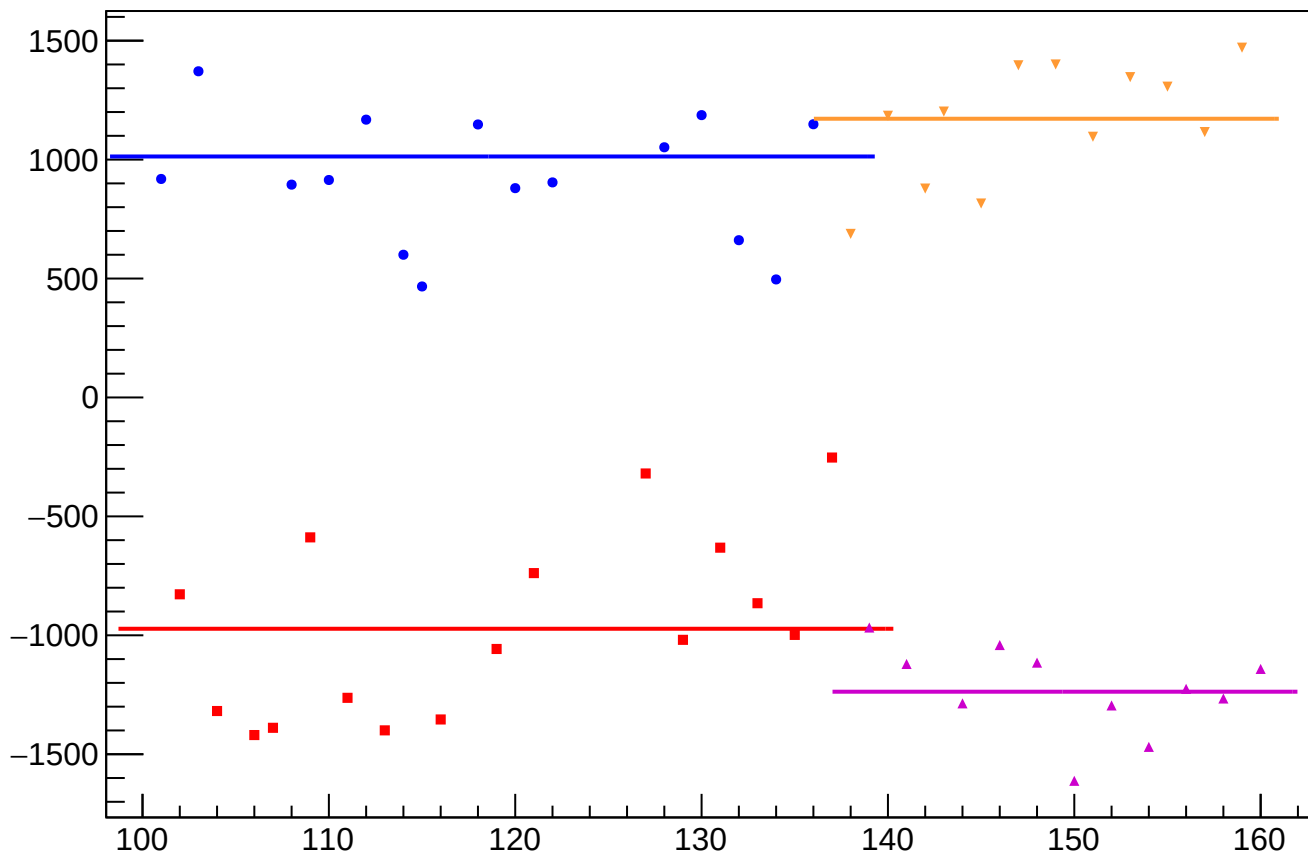
Right In: 2.123 ± 0.000 $\chi^2/\text{NDF}: 5263705922821075971022013849403392.0/14$
 Left Out: 2.975 ± 0.000 $\chi^2/\text{NDF}: 1653073452461549310648226194391040.0/11$
 Right Out: -2.142 ± 0.000 $\chi^2/\text{NDF}: 2472949940993672466161692257026048.0/15$
 Left In: -3.450 ± 0.000 $\chi^2/\text{NDF}: 1551935058842125730993767819771904.0/10$
 All: -0.165 ± 0.000 $\chi^2/\text{NDF}: 3593171973560$

dit_4aX_coil6_err_mean vs Slug, Sign Corrected



Right In: 4.495 ± 0.000 χ^2/NDF : 25270242219816061532329198634401792.0/14
 Left Out: 1.379 ± 0.000 χ^2/NDF : 150384329501224226849656085151744.0/11
 Right Out: -3.852 ± 0.000 χ^2/NDF : 12314971476556806550518847638601728.0/15
 Left In: -1.482 ± 0.000 χ^2/NDF : 310337710475779495774509405831168.0/10
 All: 0.076 ± 0.000 χ^2/NDF : 64807335162416

dit_4aX_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1171.807+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52424901282098583856312492577037221888.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

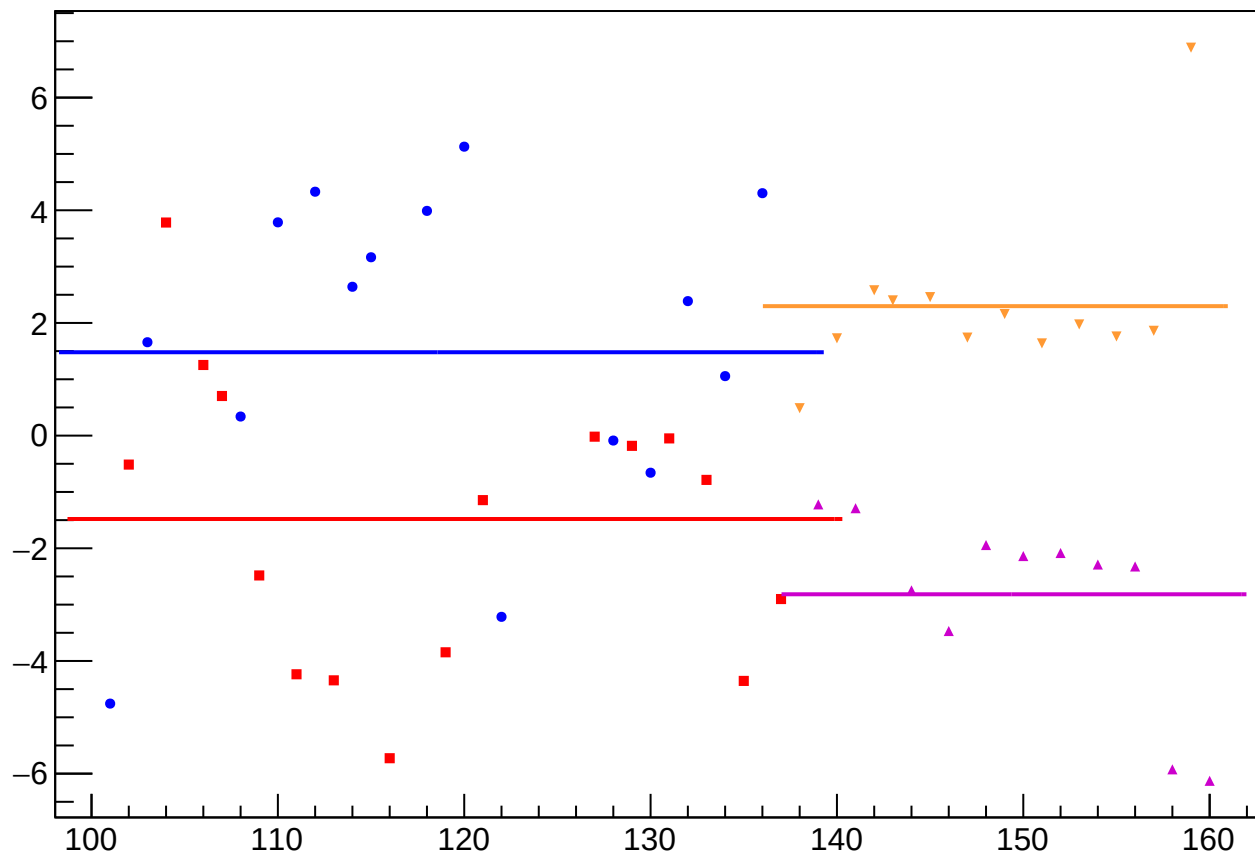
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

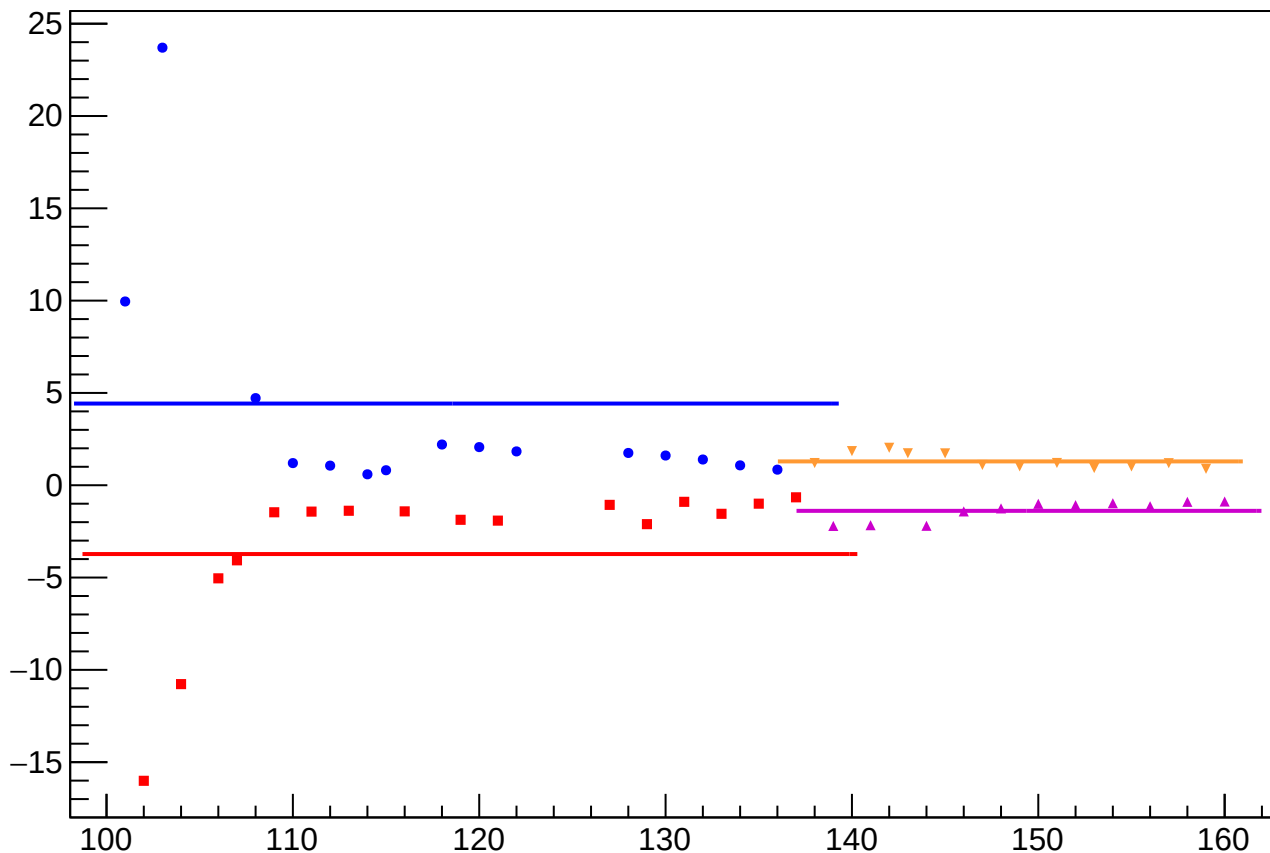
All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_4eX_coil6_mean vs Slug, Sign Corrected



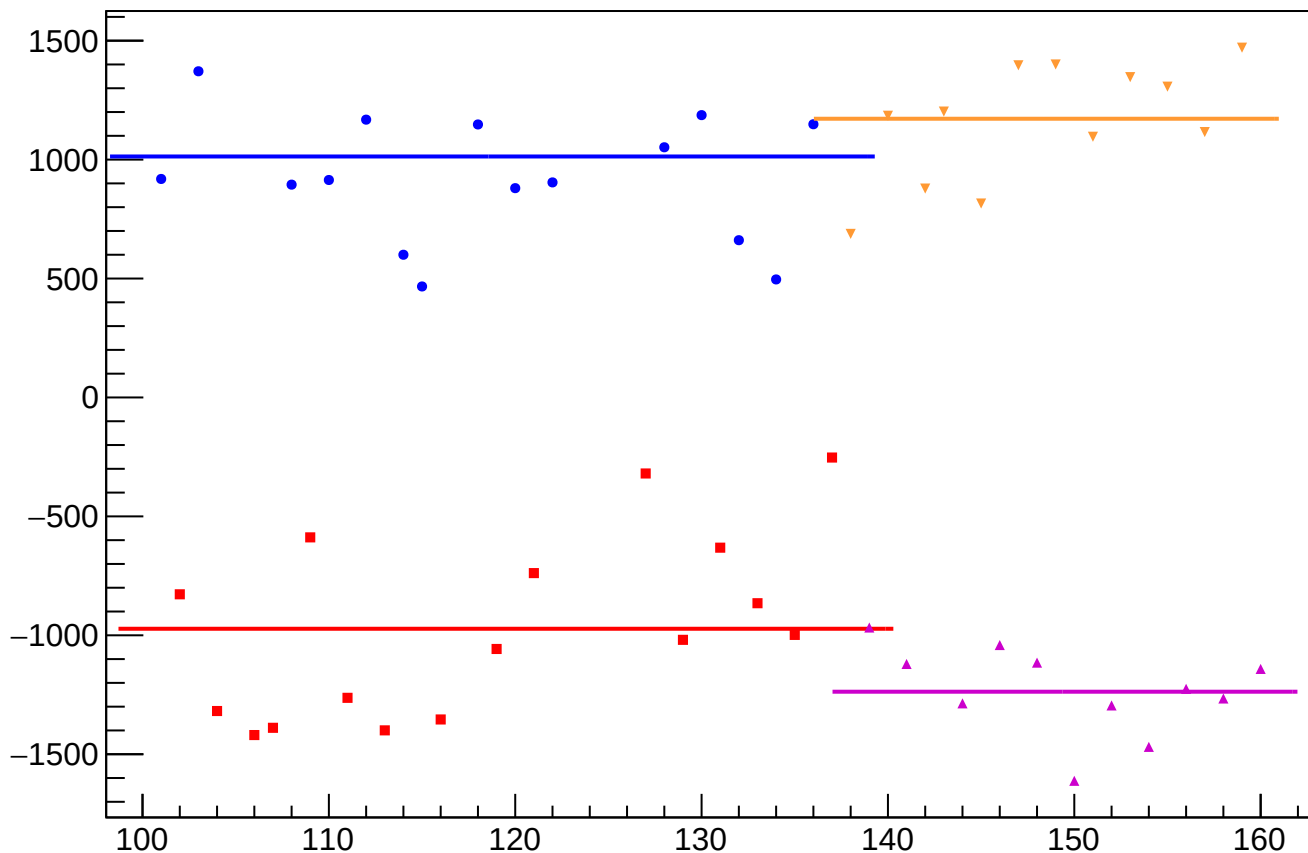
Right In: 1.480+/-0.000 χ^2/NDF : 5799670695902784459055767987683328.0/14
 Left Out: 2.298+/-0.000 χ^2/NDF : 2079870991739780462593334803693568.0/11
 Right Out: -1.480+/-0.000 χ^2/NDF : 4092645800613765572662987820367872.0/15
 Left In: -2.816+/-0.000 χ^2/NDF : 2230790234579581781884760219451392.0/10
 All: -0.168+/-0.000 χ^2/NDF : 2915247501265

dit_4eX_coil6_err_mean vs Slug, Sign Corrected



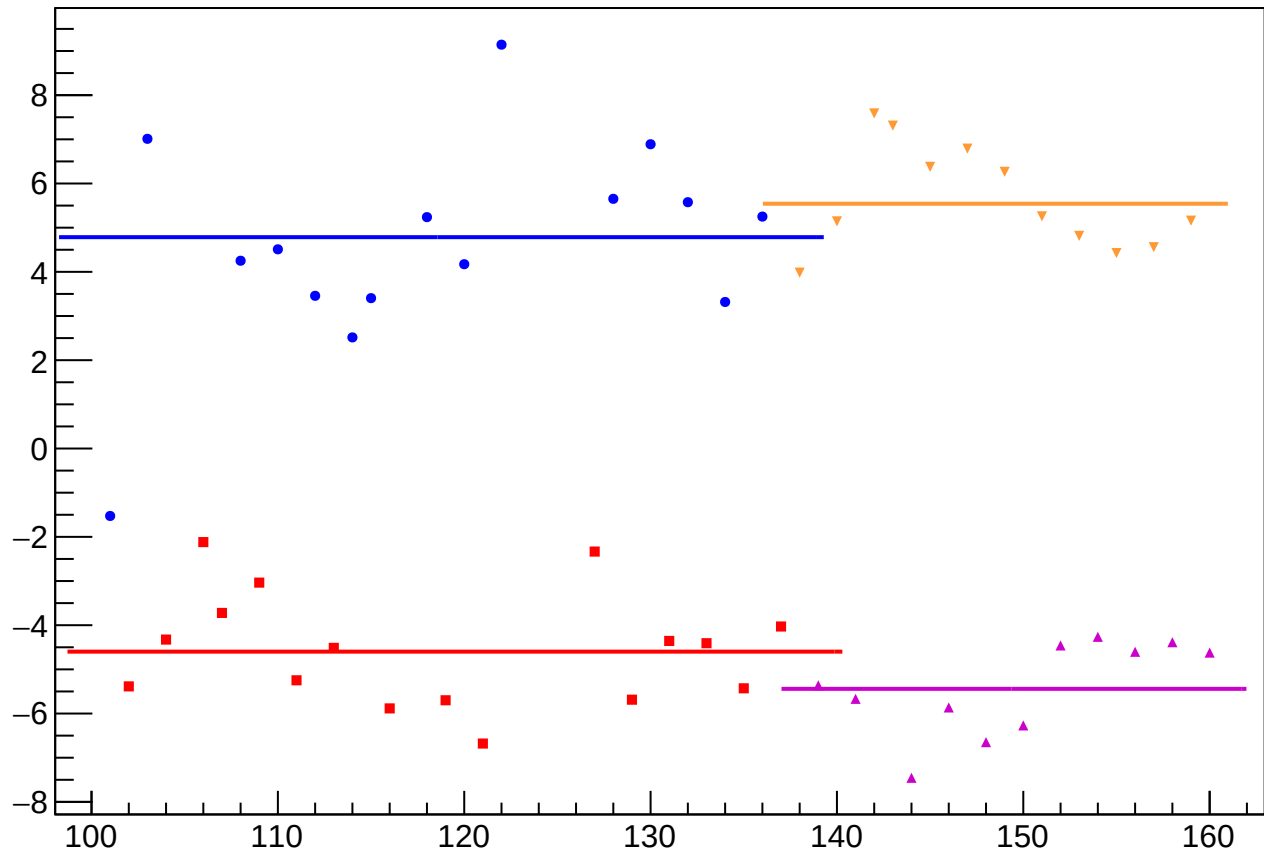
Right In: 4.424+/-0.000 χ^2/NDF : 28257459272876210608839830473277440.0/14
 Left Out: 1.291+/-0.000 χ^2/NDF : 119201725618452190917490324275200.0/11
 Right Out: -3.727+/-0.000 χ^2/NDF : 13991816814749842519794284853460992.0/15
 Left In: -1.387+/-0.000 χ^2/NDF : 245381205913734368947829561360384.0/10
 All: 0.090+/-0.000 χ^2/NDF : 67859501931783

dit_4eX_coil6_Ndata_mean vs Slug, Sign Corrected



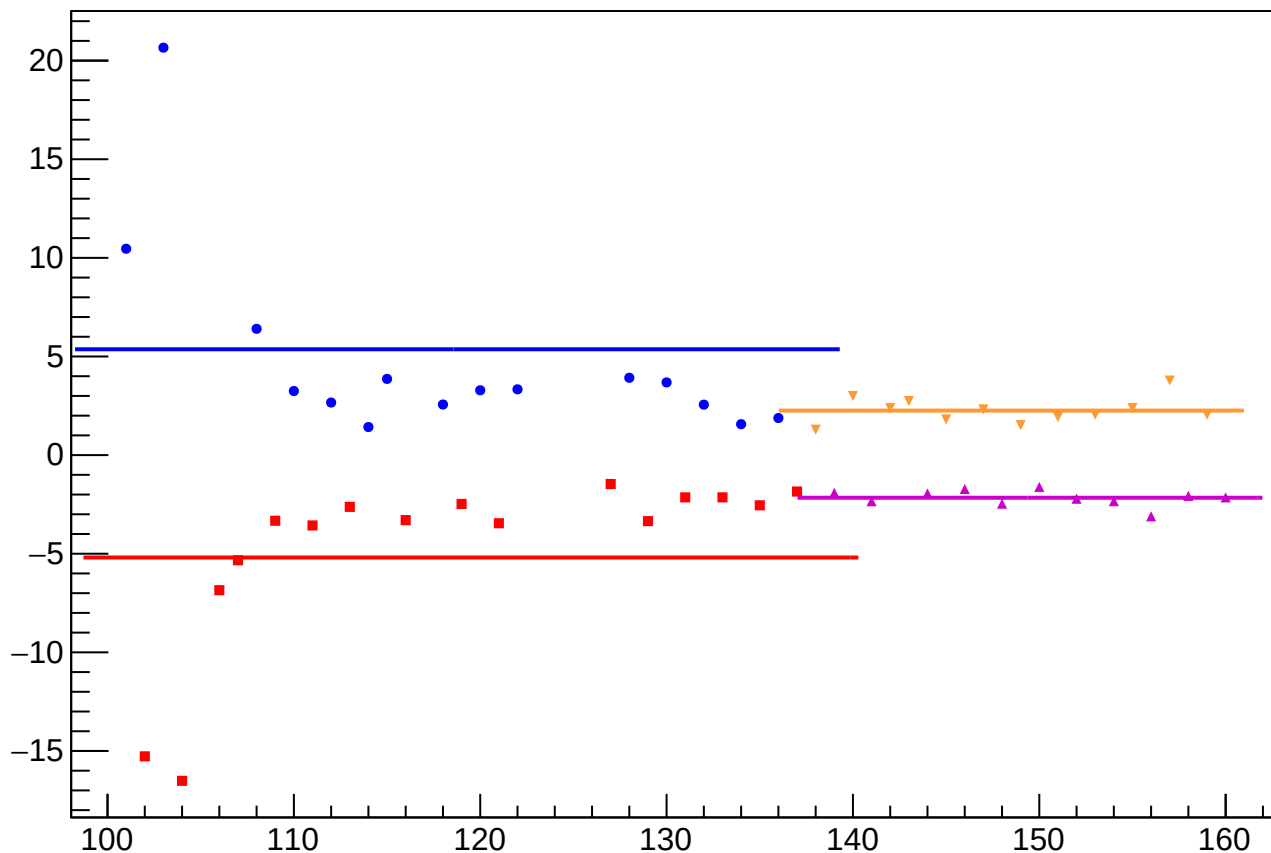
Right In: 1013.146+/-0.000	χ^2/NDF : 31721270909522099205936100724856324096.0/14	Left: -39.225+/-0.000	χ^2/NDF : 2749183771125436
Left Out: 1171.807+/-0.000	χ^2/NDF : 52424901282098583856312492577037221888.0/11	Right: 6.761+/-0.000	χ^2/NDF : 14074954421733032
Right Out: -972.465+/-0.000	χ^2/NDF : 78884457200782655962756069915468234752.0/15	In: -308.706+/-0.000	χ^2/NDF : 1992534711877389
Left In: -1237.150+/-0.000	χ^2/NDF : 30323445843993737164691986740223672320.0/10	Out: 267.171+/-0.000	χ^2/NDF : 1904273666999186
		All: -20.037+/-0.000	χ^2/NDF : 415830099668

dit_11X12X_coil6_mean vs Slug, Sign Corrected



Right In: 4.785 ± 0.000 $\chi^2/\text{NDF}: 3996556073154779711808159470321664.0/14$
 Left Out: 5.542 ± 0.000 $\chi^2/\text{NDF}: 1063589592141187742244511087067136.0/11$
 Right Out: -4.598 ± 0.000 $\chi^2/\text{NDF}: 989607156792948633247632779640832.0/15$
 Left In: -5.441 ± 0.000 $\chi^2/\text{NDF}: 969147874620390855399339032838144.0/10$
 All: 0.024 ± 0.000 $\chi^2/\text{NDF}: 91405570612349$

dit_11X12X_coil6_err_mean vs Slug, Sign Corrected



Right In: 5.366+/-0.000 χ^2/NDF : 18780724722063497096153009301225472.0/14

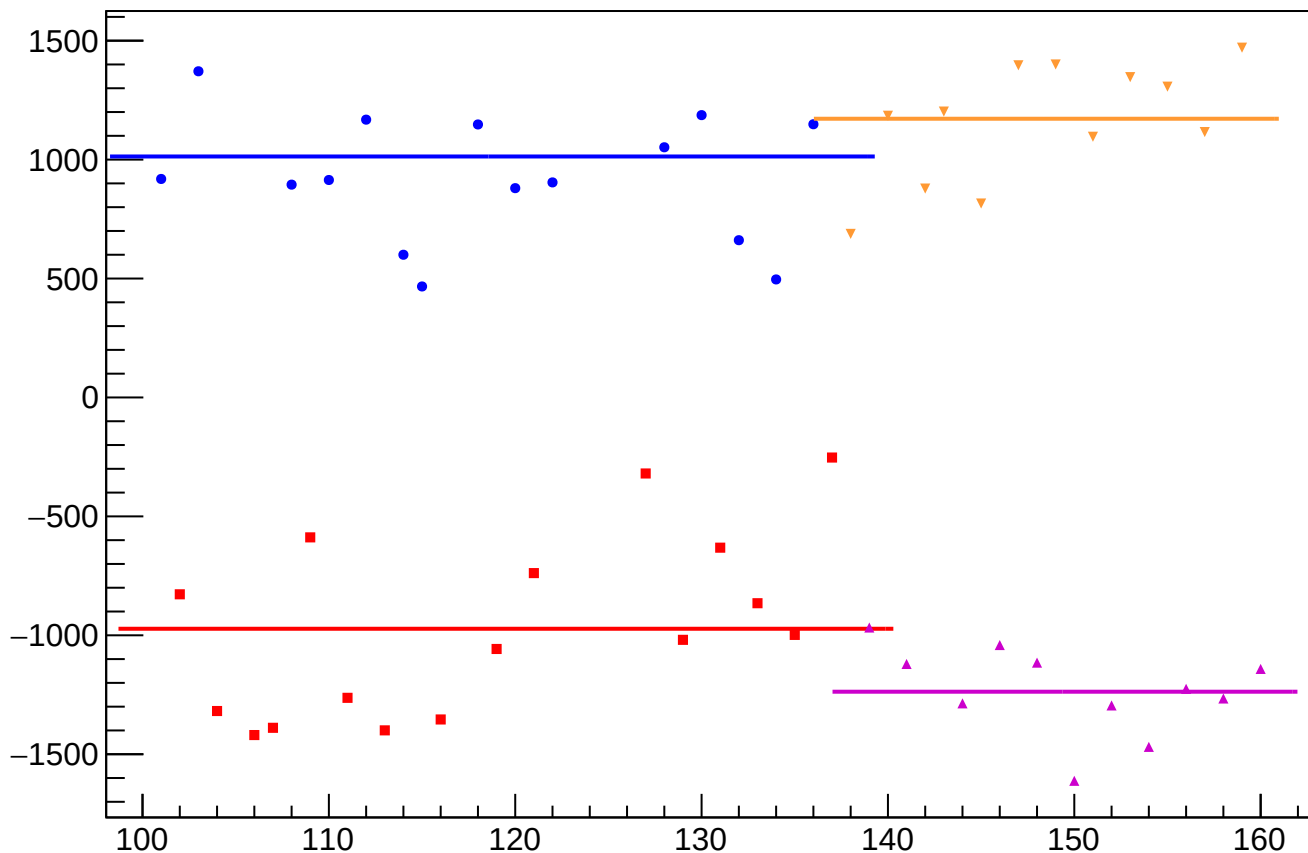
Left Out: 2.259+/-0.000 χ^2/NDF : 395399614951959116127821516242944.0/11

Right Out: -5.192+/-0.000 χ^2/NDF : 15749573754945345754432436952891392.0/15

Left In: -2.162+/-0.000 χ^2/NDF : 138367938839103248546751049629696.0/10

All: 0.027+/-0.000 χ^2/NDF : 80711946071260

dit_11X12X_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

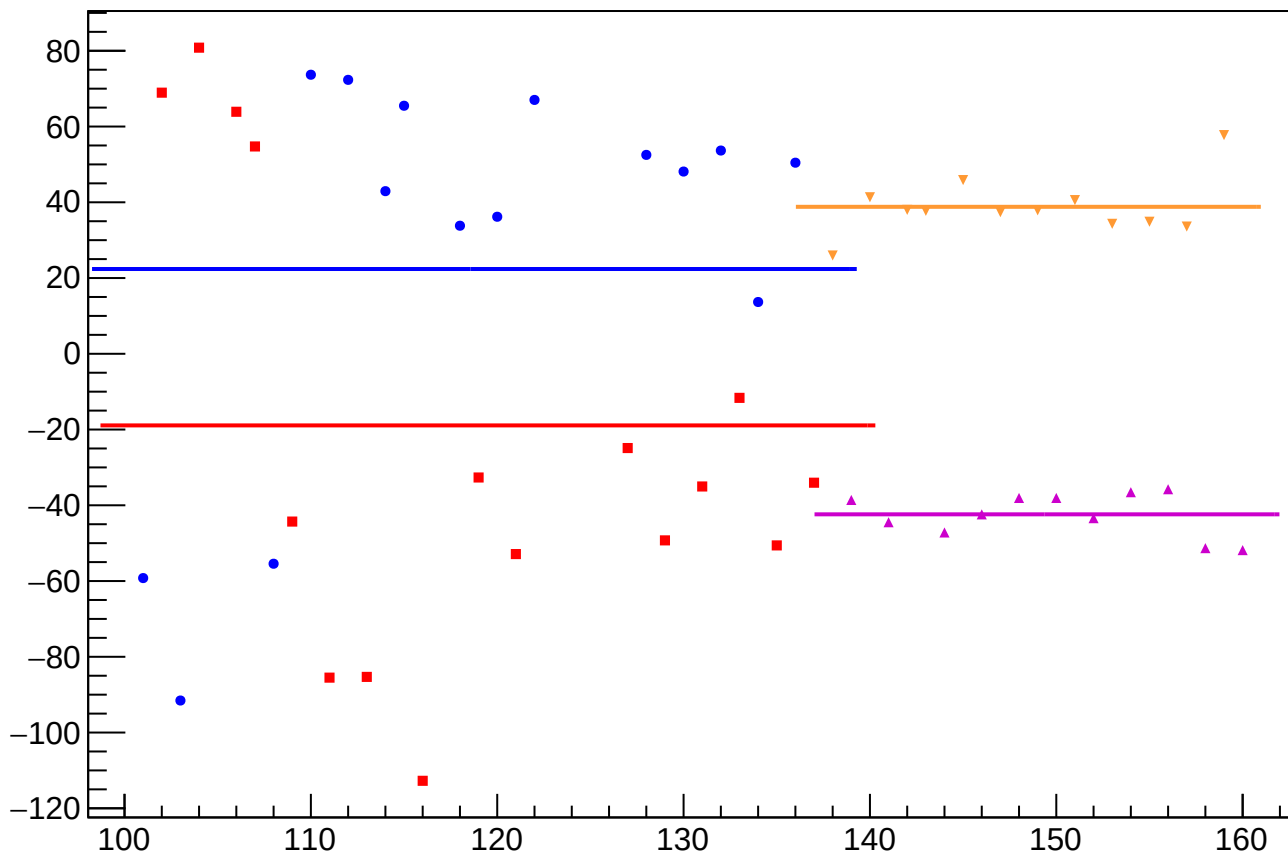
χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_4aY_coil6_mean vs Slug, Sign Corrected



Right In: 22.385 $\pm$ 0.000

χ^2 /NDF: 1922260860023592637794094183323009024.0/14

Left Out: 38.806 $\pm$ 0.000

χ^2 /NDF: 51649905292188588204172531766132736.0/11

Right Out: -18.907 $\pm$ 0.000

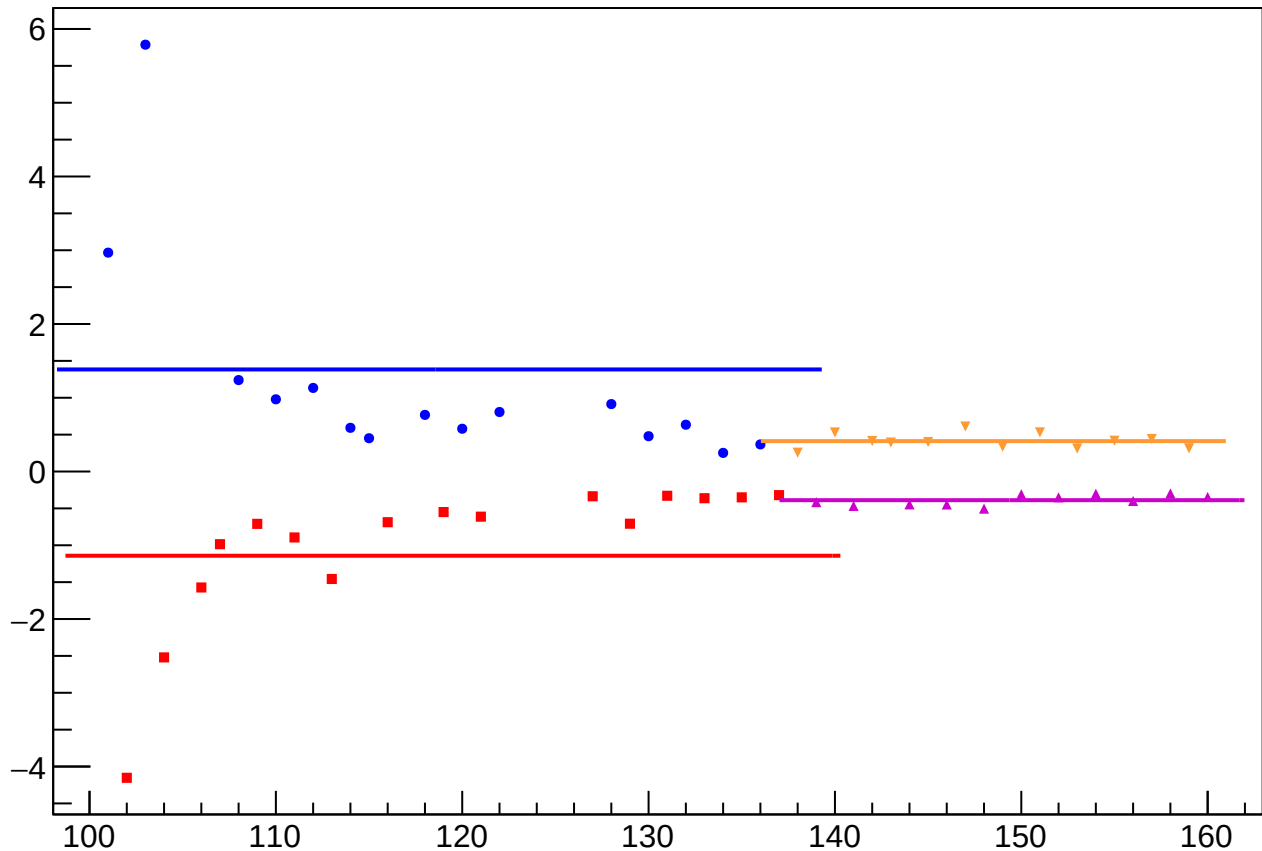
χ^2 /NDF: 2182221808408156293593993992757837824.0/15

Left In: -42.386 $\pm$ 0.000

χ^2 /NDF: 26555660128562986553016927486214144.0/10

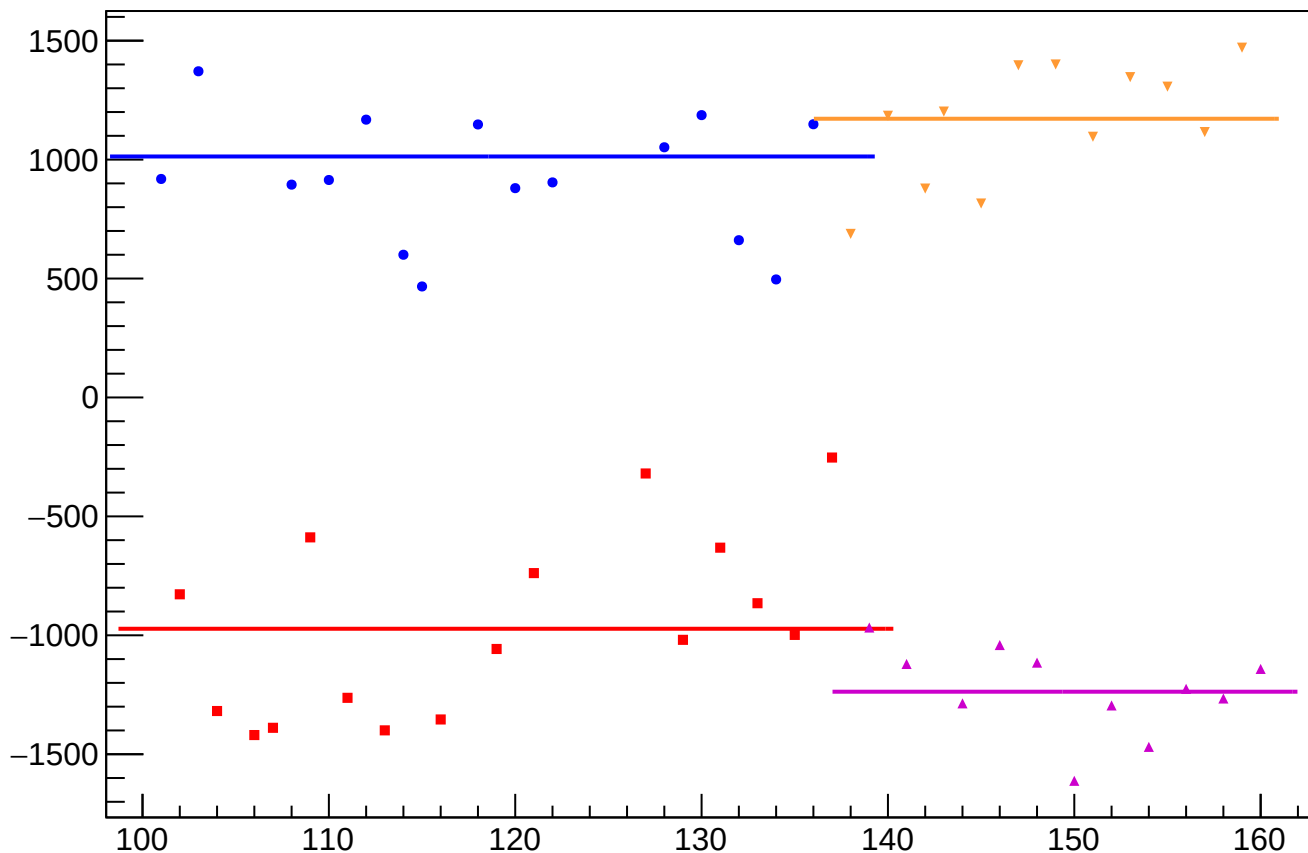
All: -0.564 $\pm$ 0.000 χ^2 /NDF: 7781760585963

dit_4aY_coil6_err_mean vs Slug, Sign Corrected



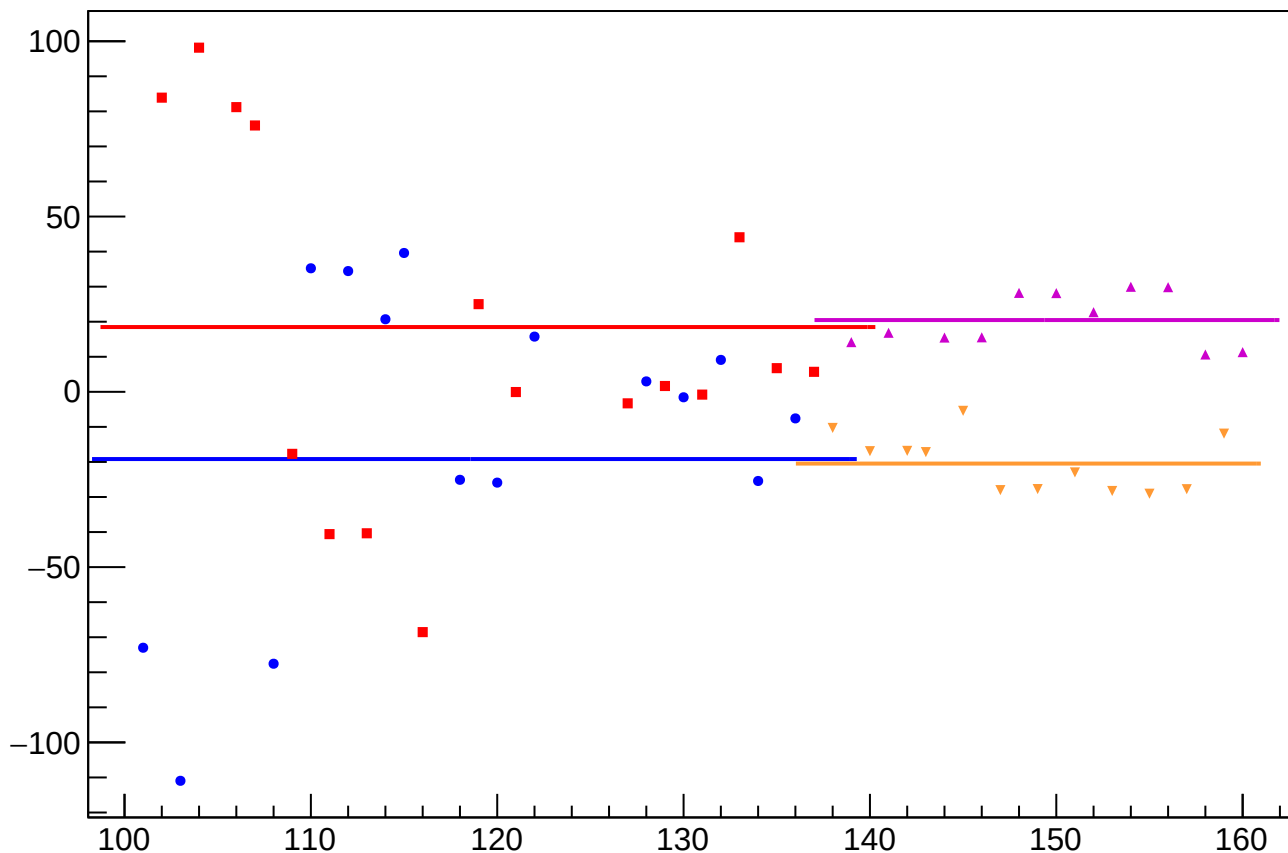
Right In: 1.384 +/- 0.000 χ^2/NDF : 1571159324102064120487940936695808.0/14
 Left Out: 0.412 +/- 0.000 χ^2/NDF : 9382414275472018674983467220992.0/11
 Right Out: -1.142 +/- 0.000 χ^2/NDF : 810680738285448955223066212827136.0/15
 Left In: -0.389 +/- 0.000 χ^2/NDF : 4468112130112640641394154668032.0/10
 All: 0.049 +/- 0.000 χ^2/NDF : 47956046375431.0/10

dit_4aY_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_4eY_coil6_mean vs Slug, Sign Corrected



Right In: -19.175+/-0.000

χ^2/NDF : 1246364705689764961102868160463241216.0/14

Left Out: -20.466+/-0.000

χ^2/NDF : 58628381923673457294433589512896512.0/11

Right Out: 18.479+/-0.000

χ^2/NDF : 1489398115046175180640331393369374720.0/15

Left In: 20.473+/-0.000

χ^2/NDF : 48484953363349820110348478937300992.0/10

Left: 0.115+/-0.000 χ^2/NDF : 877202582639736103

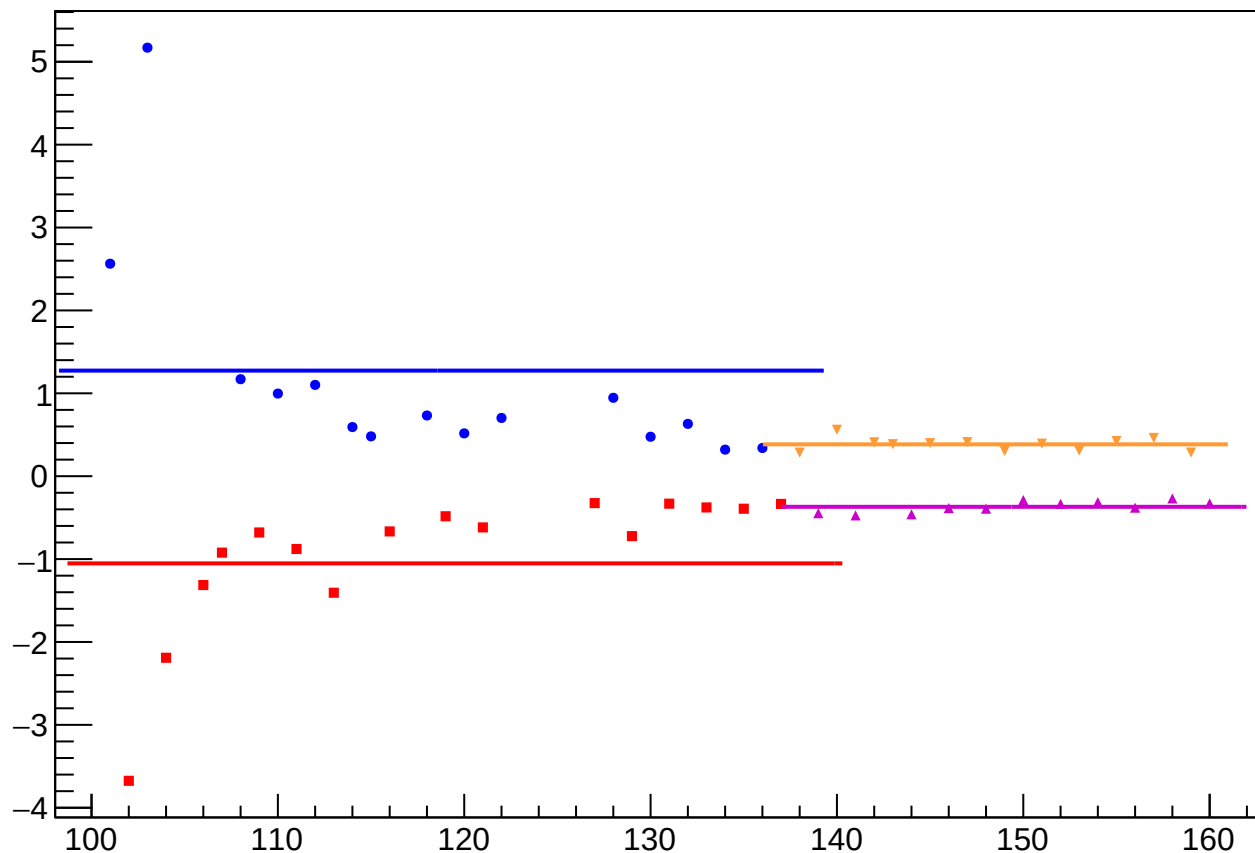
Right: -0.091+/-0.000 χ^2/NDF : 3202145485356183

In: 4.115+/-0.000 χ^2/NDF : 189413859306817838

Out: -4.035+/-0.000 χ^2/NDF : 21328659955407988

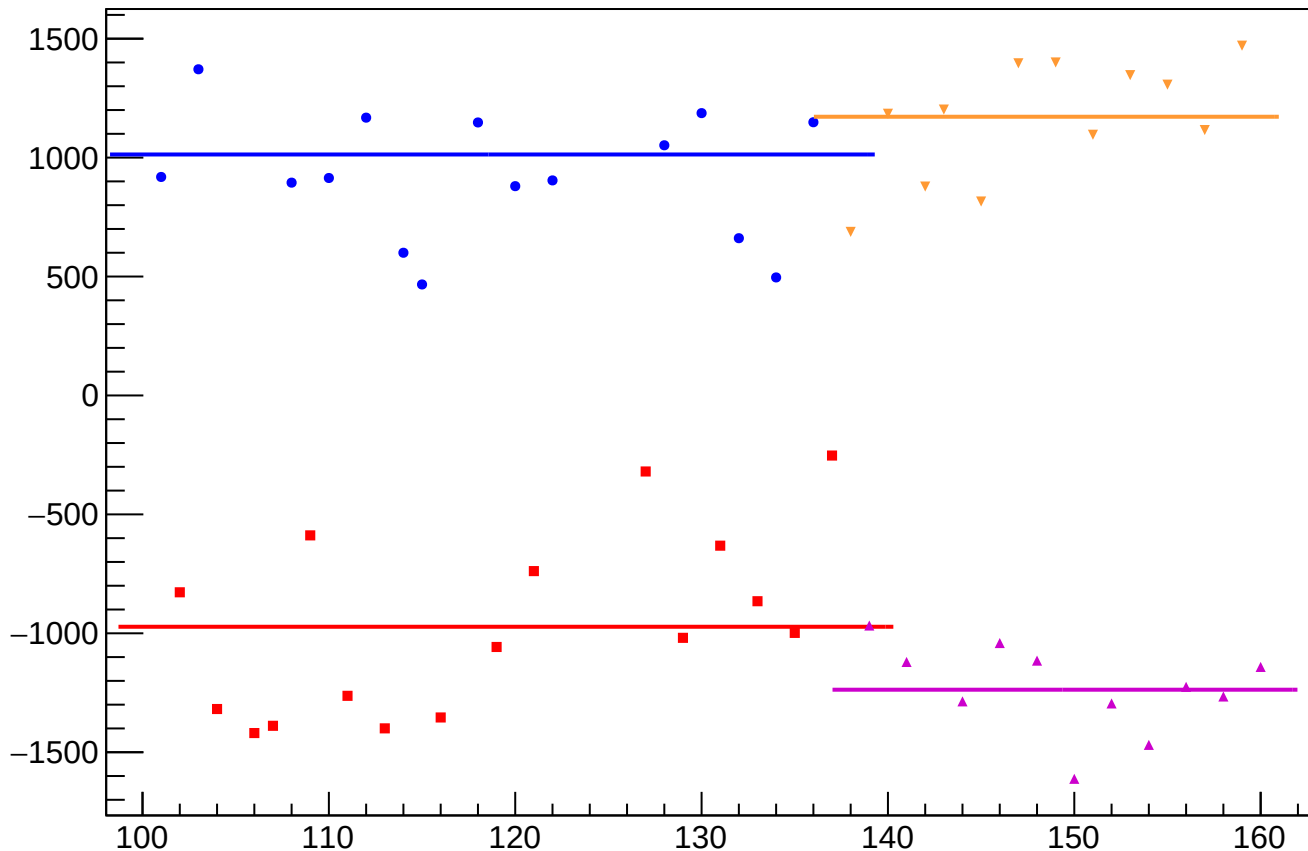
All: 0.029+/-0.000 χ^2/NDF : 40793804983027

dit_4eY_coil6_err_mean vs Slug, Sign Corrected



Right In: 1.274+/-0.000 χ^2/NDF : 1212041476631073599154045304438784.0/14
 Left Out: 0.384+/-0.000 χ^2/NDF : 5822322029078598268260129439744.0/11
 Right Out: -1.052+/-0.000 χ^2/NDF : 607316121057753919194559126962176.0/15
 Left In: -0.369+/-0.000 χ^2/NDF : 4166350638848138676707816112128.0/10
 All: 0.043+/-0.000 χ^2/NDF : 38758828381997

dit_4eY_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

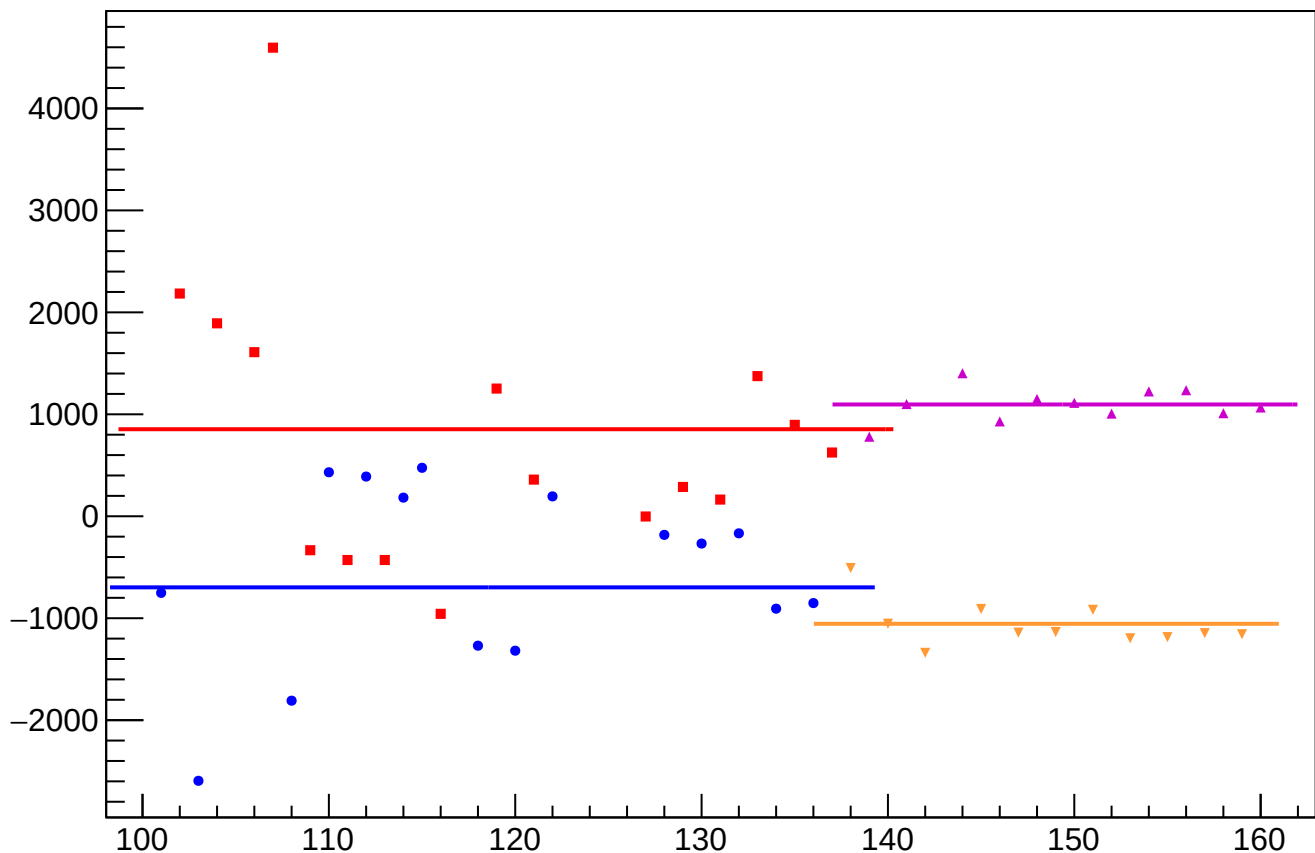
χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_usl_coil6_mean vs Slug, Sign Corrected



Right In: -697.283+/-0.000

χ^2/NDF : 490435790698133828475769692944364208128.0/14

Left Out: -1054.675+/-0.000

χ^2/NDF : 35893414561751289831028004535805149184.0/10

Right Out: 853.734+/-0.000

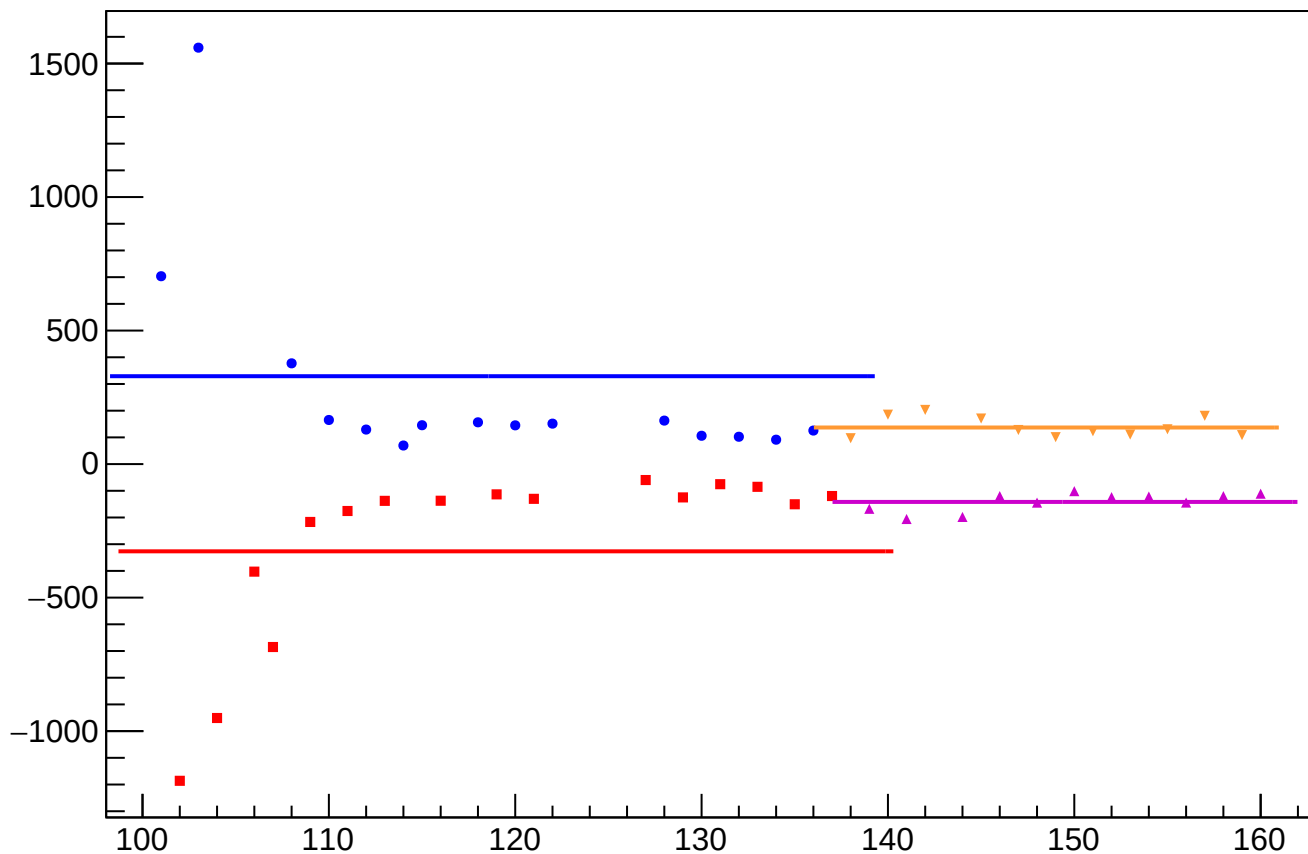
χ^2/NDF : 1078379020126412317155932275156201766912.0/15

Left In: 1096.508+/-0.000

χ^2/NDF : 23397092464085092375008014674557927424.0/10

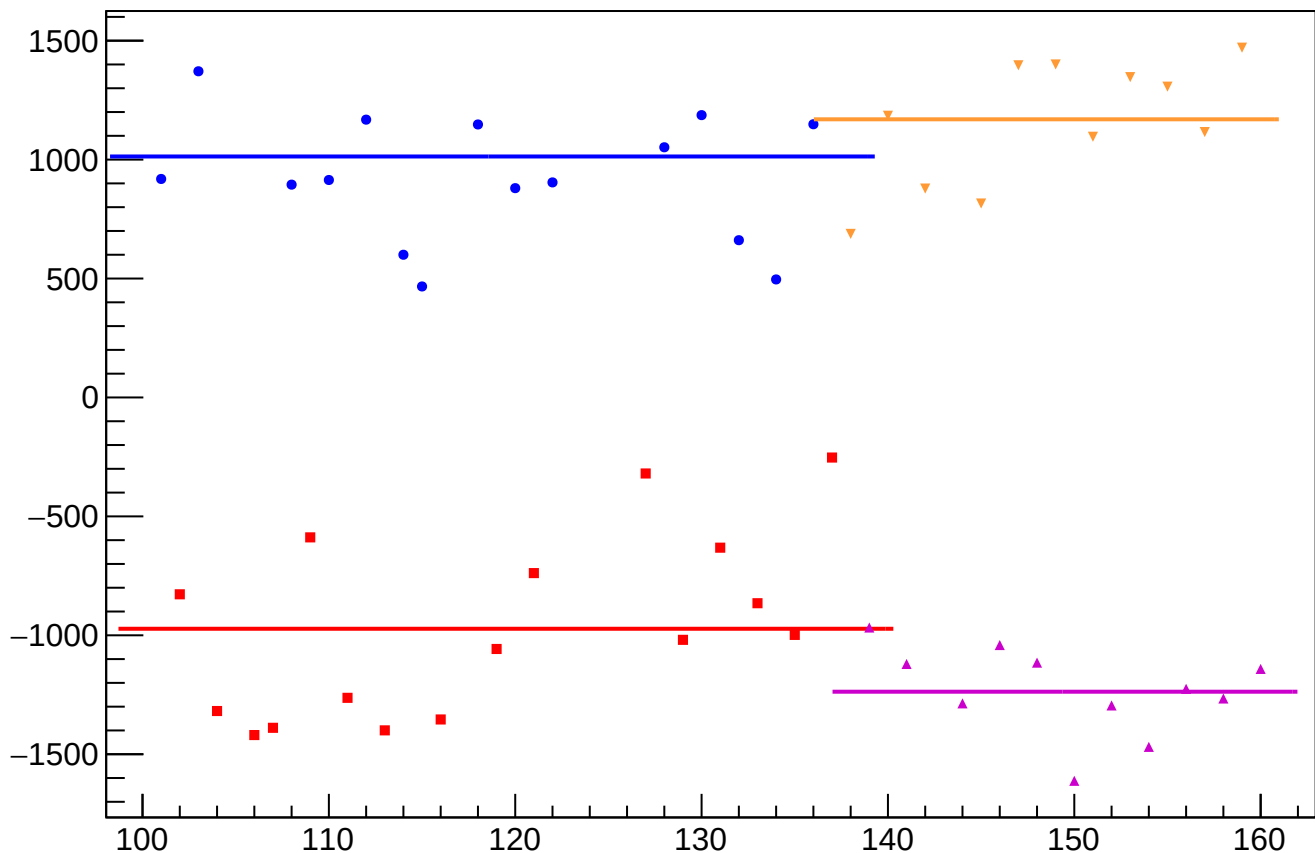
All: 76.698+/-0.000 χ^2/NDF : 4464746513505

dit_usl_coil6_err_mean vs Slug, Sign Corrected



Right In: 329.108 +/- 0.000 χ^2/NDF : 116863820700538623524207945698672377856.0/14
 Left Out: 137.012 +/- 0.000 χ^2/NDF : 1014362817438194132709655172622581760.0/10
 Right Out: -326.695 +/- 0.000 χ^2/NDF : 87569123354318020688611028415151079424.0/15
 Left In: -141.688 +/- 0.000 χ^2/NDF : 1044882408057849194081424130600599552.0/10
 All: -6.215 +/- 0.000 χ^2/NDF : 3823059515642

dit_usl_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1169.420+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52359058528484212152975817930553950208.0/10

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -86.182+/-0.000 χ^2/NDF : 2642058453366472

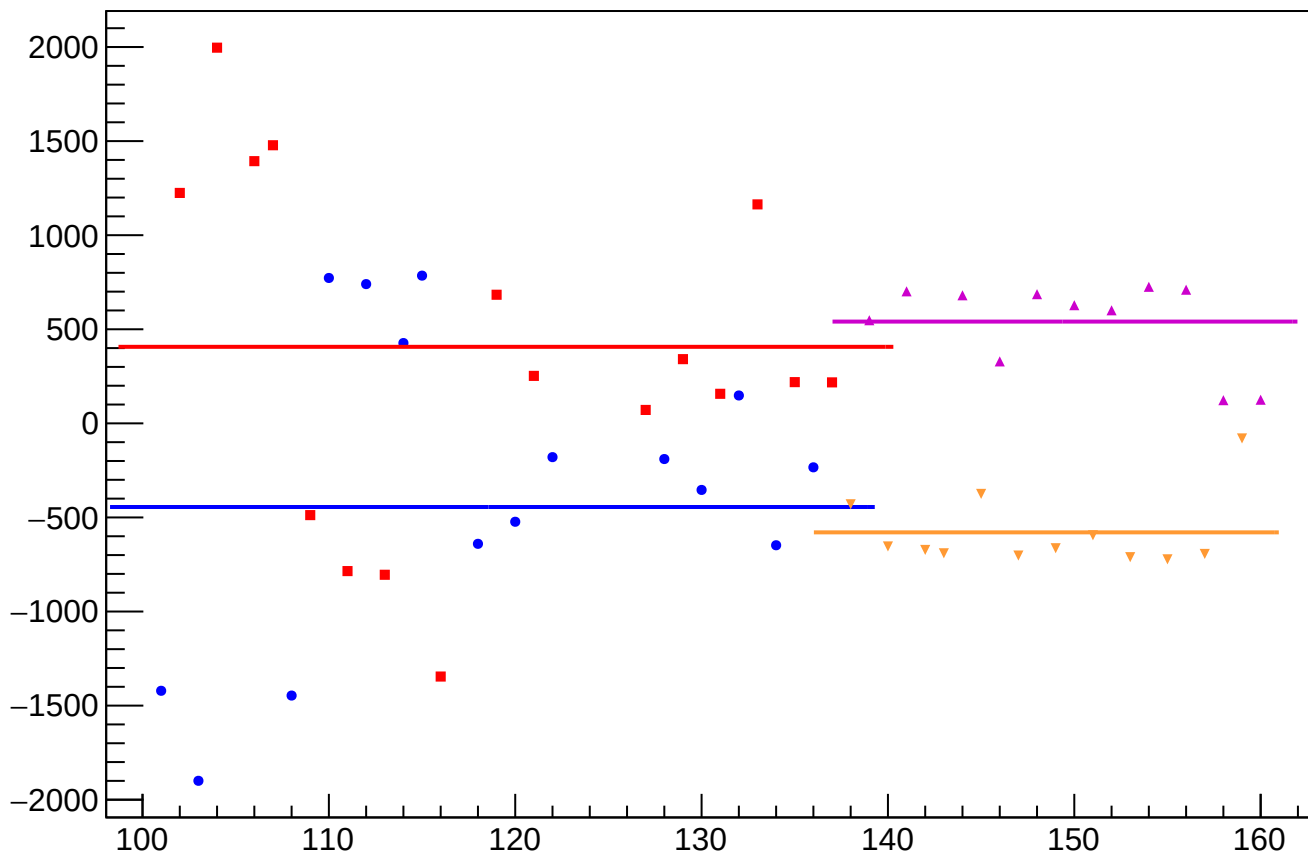
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 225.803+/-0.000 χ^2/NDF : 1843132897386969

All: -46.560+/-0.000 χ^2/NDF : 405607578172

dit_usr_coil6_mean vs Slug, Sign Corrected



Right In: -444.512+/-0.000

χ^2/NDF : 396481903501593703066535851229953654784.0/14

Left Out: -579.272+/-0.000

χ^2/NDF : 32584581524528860941595597407042666496.0/11

Right Out: 406.729+/-0.000

χ^2/NDF : 529122421866774810012941782239129108480.0/15

Left In: 540.842+/-0.000

χ^2/NDF : 42670193317497817911030367466366697472.0/10

Left: -16.168+/-0.000 χ^2/NDF : 6517518654293770

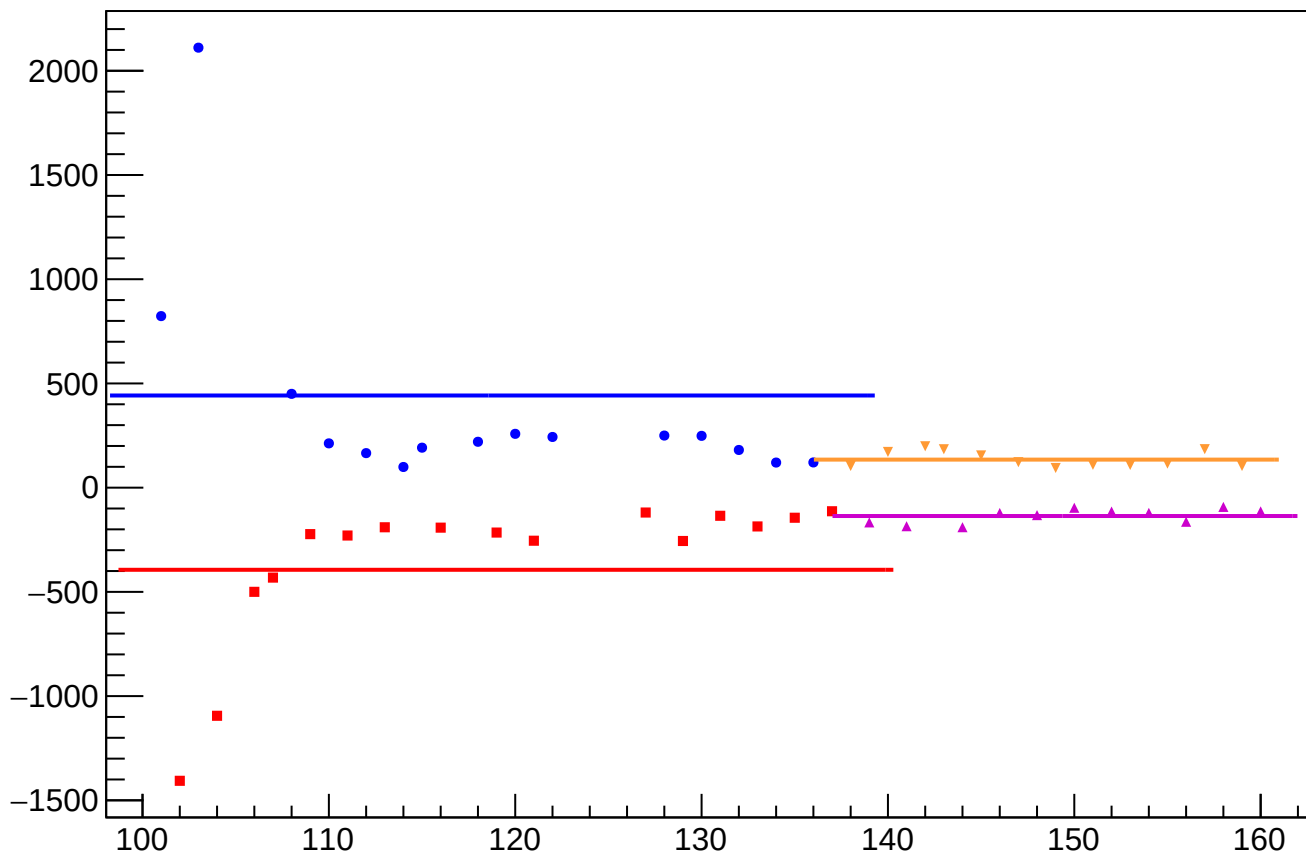
Right: -13.070+/-0.000 χ^2/NDF : 116395703795034

In: 134.297+/-0.000 χ^2/NDF : 80929743970512617

Out: -163.293+/-0.000 χ^2/NDF : 936589740364006

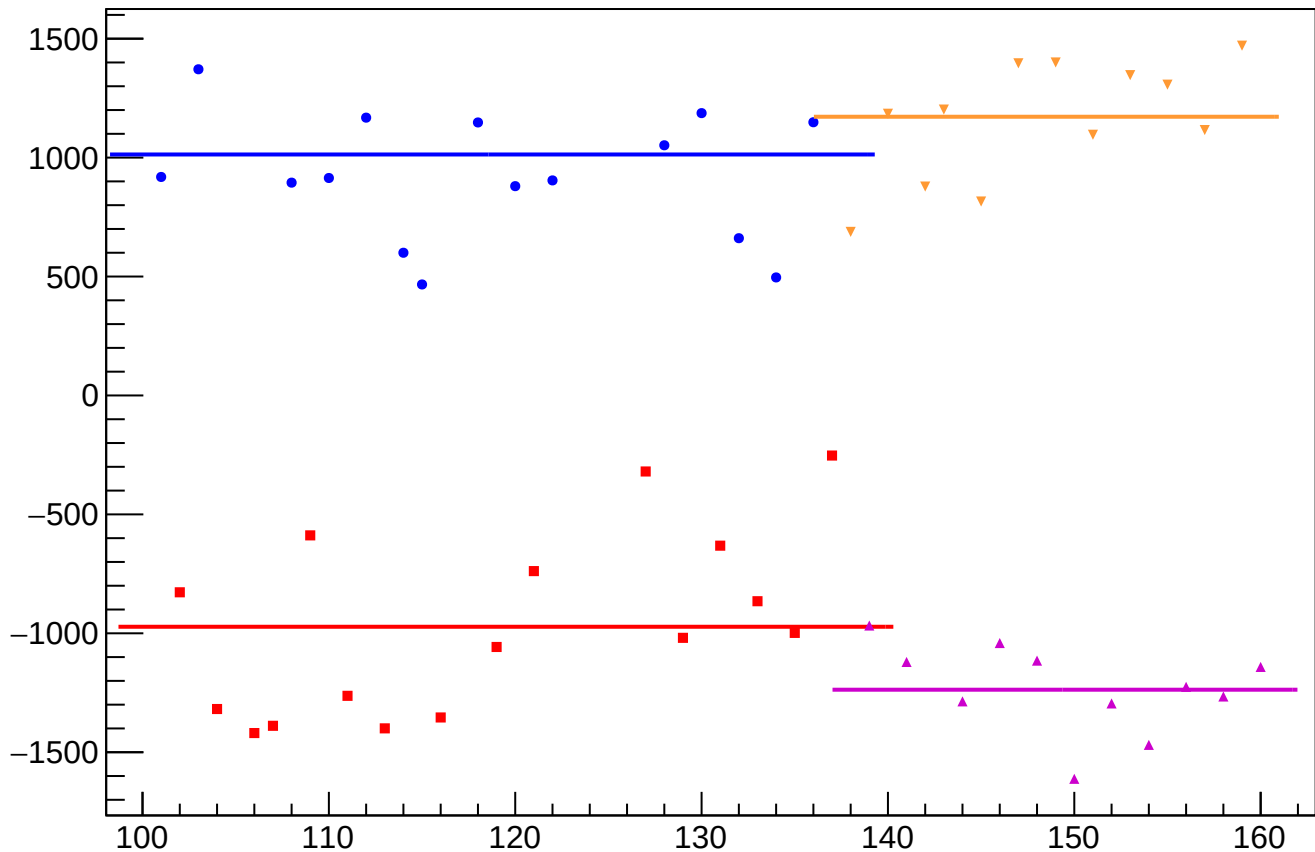
All: -14.875+/-0.000 χ^2/NDF : 181571626575

dit_usr_coil6_err_mean vs Slug, Sign Corrected



Right In: 442.162 +/- 0.000 χ^2/NDF : 204015999343694089140945697316947361792.0/14
 Left Out: 134.562 +/- 0.000 χ^2/NDF : 1123122265403287497024317633834516480.0/11
 Right Out: -394.033 +/- 0.000 χ^2/NDF : 105882611624182009489804426207740035072.0/15
 Left In: -136.040 +/- 0.000 χ^2/NDF : 1011093061479650527261127450495549440.0/10
 All: 6.795 +/- 0.000 χ^2/NDF : 57598156309211

dit_usr_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

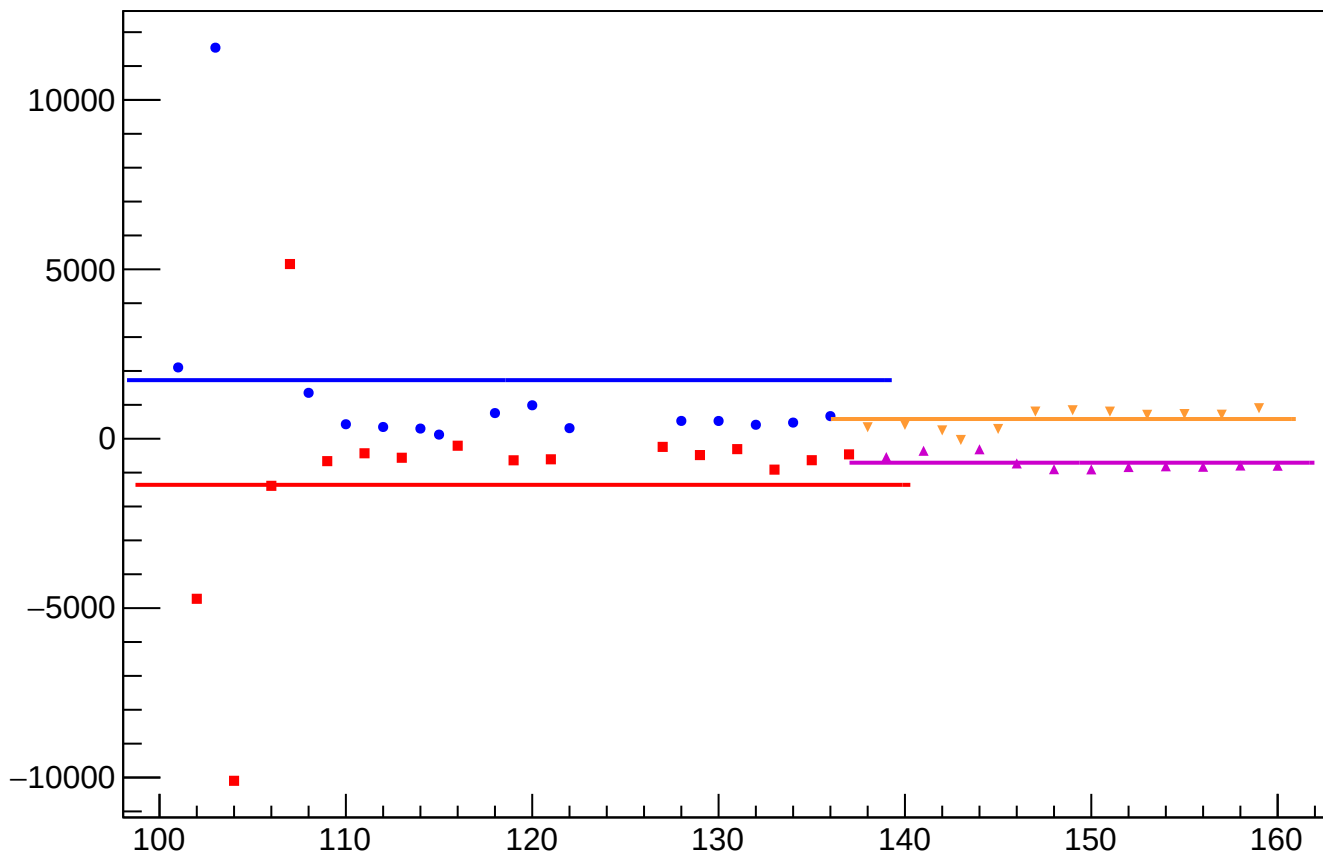
χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

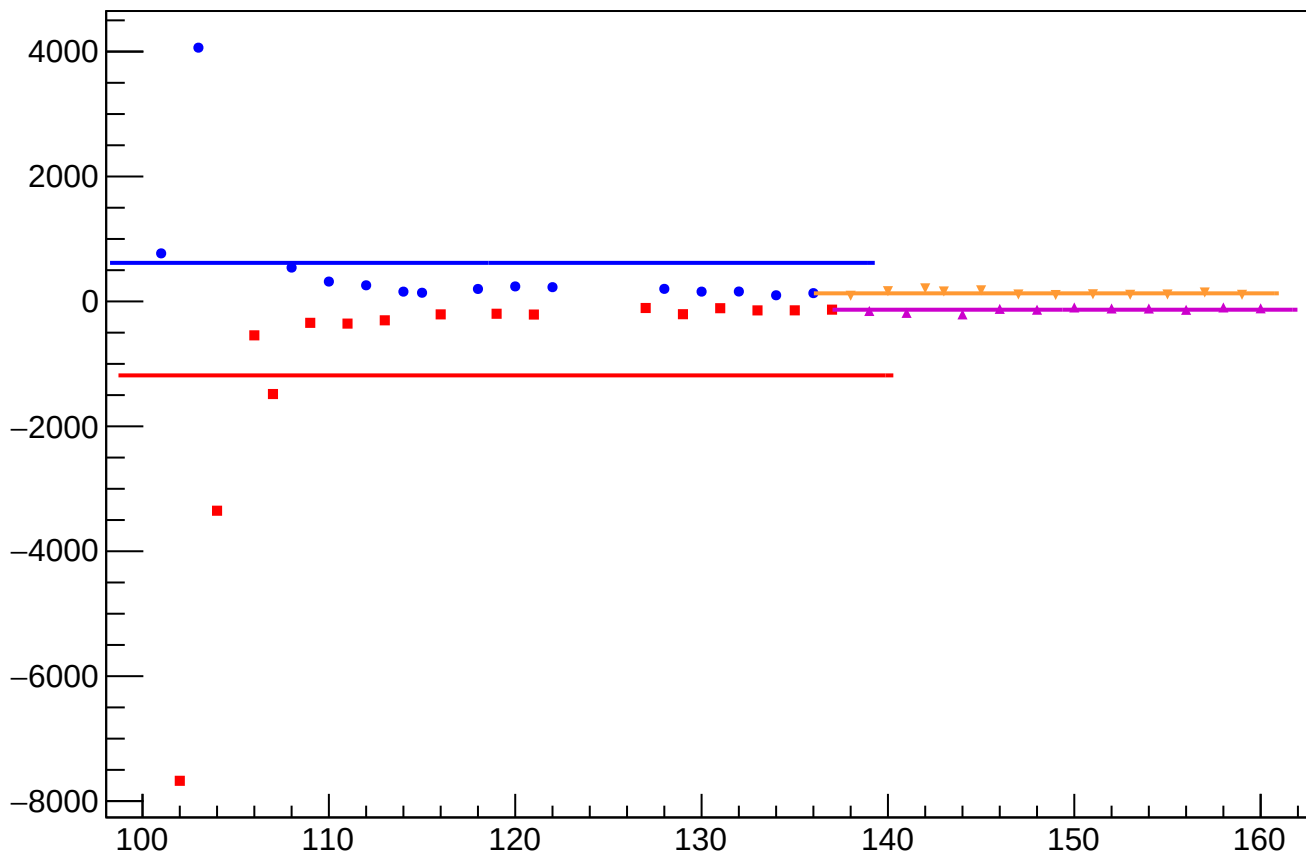
All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_atl1_coil6_mean vs Slug, Sign Corrected



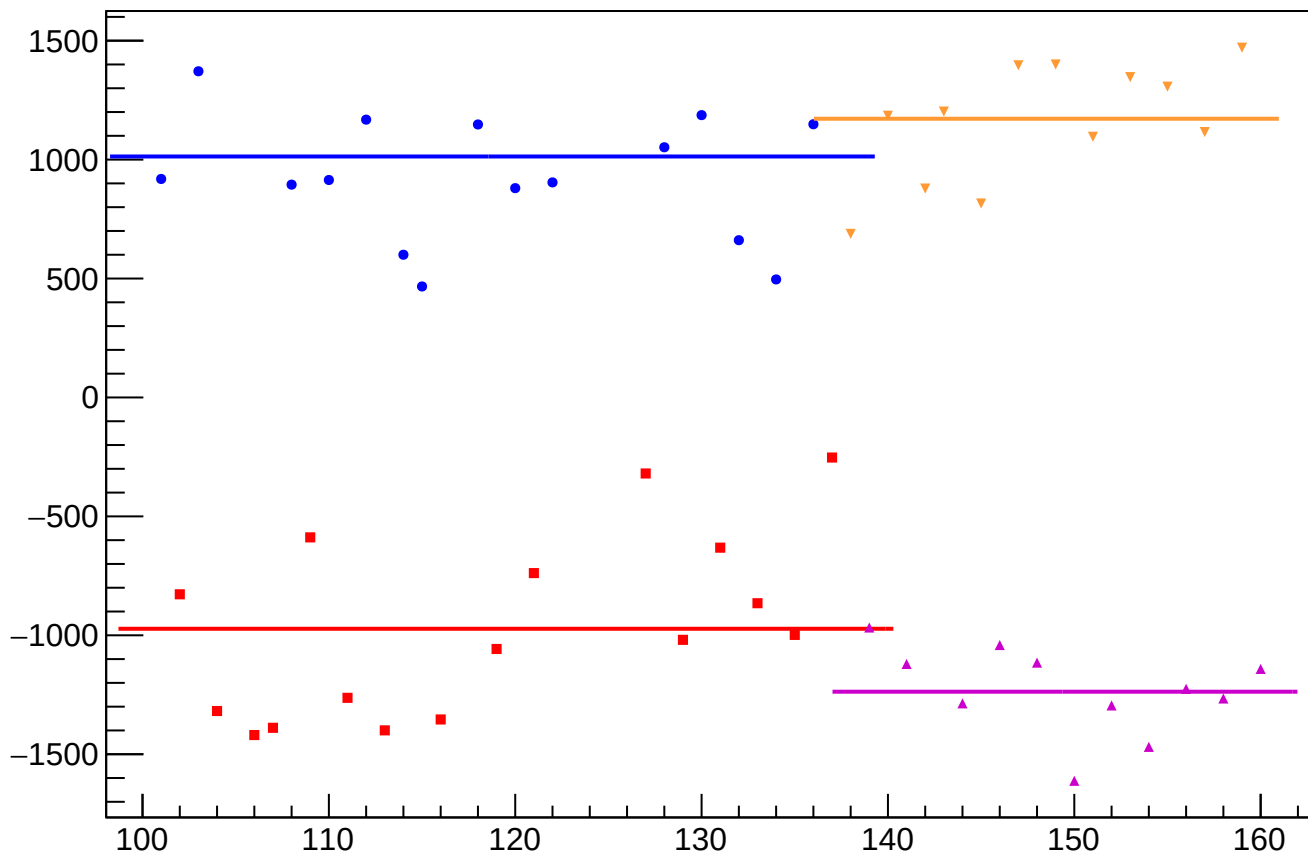
Right In: 1729.013+/-0.000 χ^2/NDF : 6413121297273347408075624116507964866560.0/14
 Left Out: 582.152+/-0.000 χ^2/NDF : 70083772647831486125732989768801714176.0/11
 Right Out: -1360.914+/-0.000 χ^2/NDF : 6431605933148863413038417850186506174464.0/15
 Left In: -707.889+/-0.000 χ^2/NDF : 38116486188817980699032426002432131072.0/10
 All: 29.296+/-0.000 χ^2/NDF : 1689851779226

dit_atl1_coil6_err_mean vs Slug, Sign Corrected



Right In: 617.343+/-0.000 χ^2/NDF : 792366012985954198345317750268755968000.0/14
 Left Out: 129.339+/-0.000 χ^2/NDF : 987271298758703212489370439899938816.0/11
 Right Out: -1184.322+/-0.000 χ^2/NDF : 3167423043121242666563535820496559931392.0/15
 Left In: -132.869+/-0.000 χ^2/NDF : 1091839085664014112201463155711279104.0/10
 All: -124.871+/-0.000 χ^2/NDF : 51271793033

dit_atl1_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

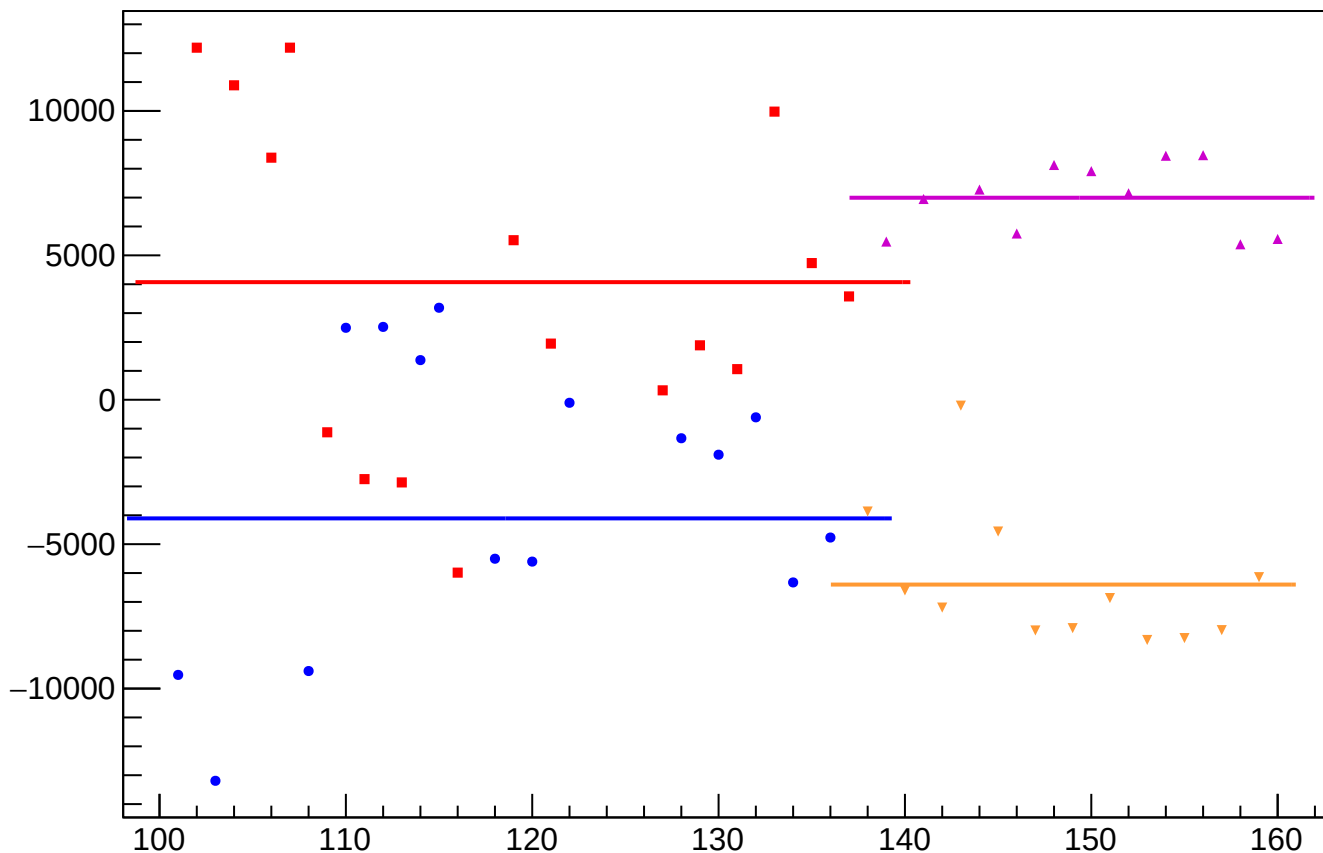
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_atl2_coil6_mean vs Slug, Sign Corrected



Right In: -4107.443+/-0.000

Left Out: -6398.906+/-0.000

Right Out: 4072.120+/-0.000

Left In: 6994.812+/-0.000

χ^2/NDF : 14527436324982031454277780831211819630592.0/14

χ^2/NDF : 4560292812943761149136938286094472970240.0/11

χ^2/NDF : 20367171423690168095778854678764929941504.0/15

χ^2/NDF : 1231738289385705389055875270097690951680.0/10

Left: 334.389+/-0.000 χ^2/NDF : 8822007925031666

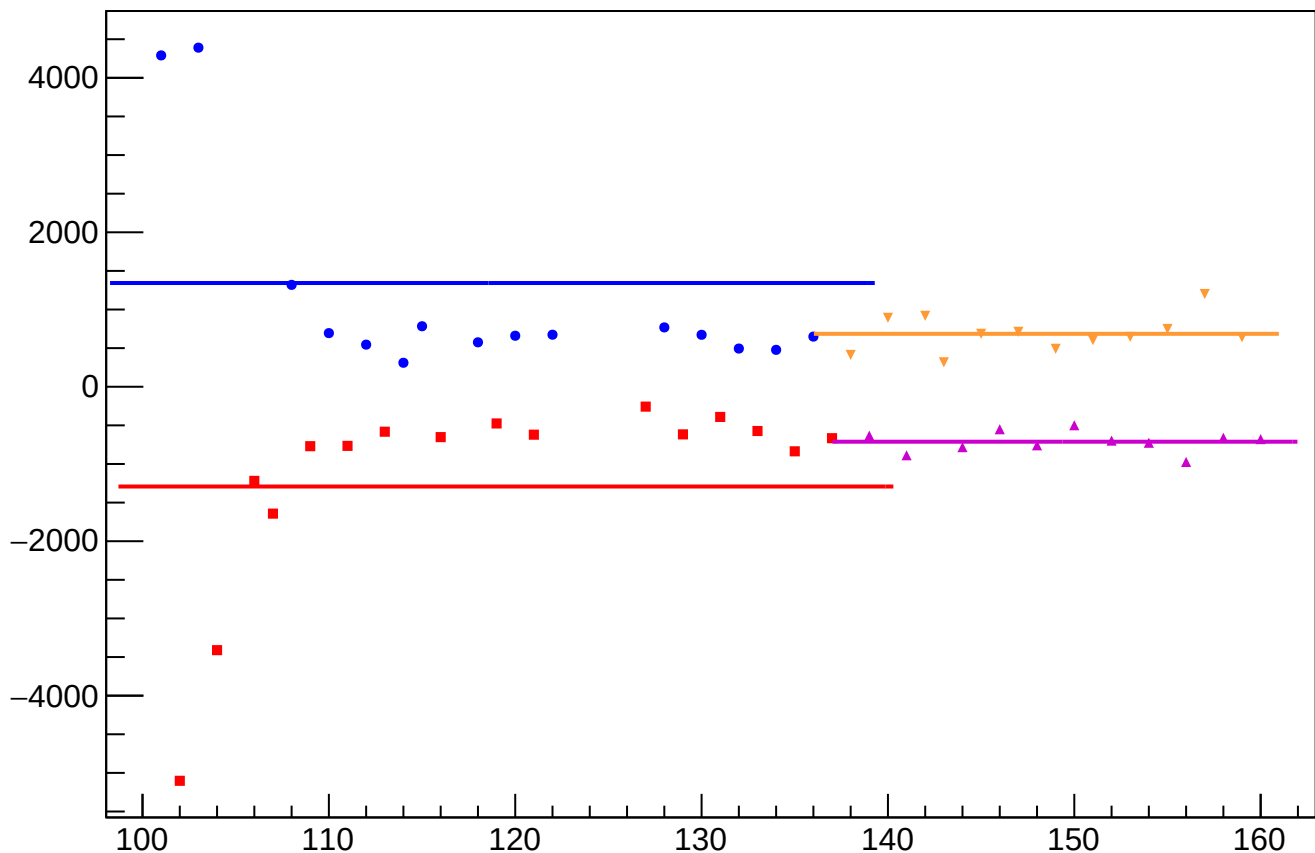
Right: 38.278+/-0.000 χ^2/NDF : 5690231407009786

In: 2414.162+/-0.000 χ^2/NDF : 6274970680925114

Out: -1981.339+/-0.000 χ^2/NDF : 67205872968541

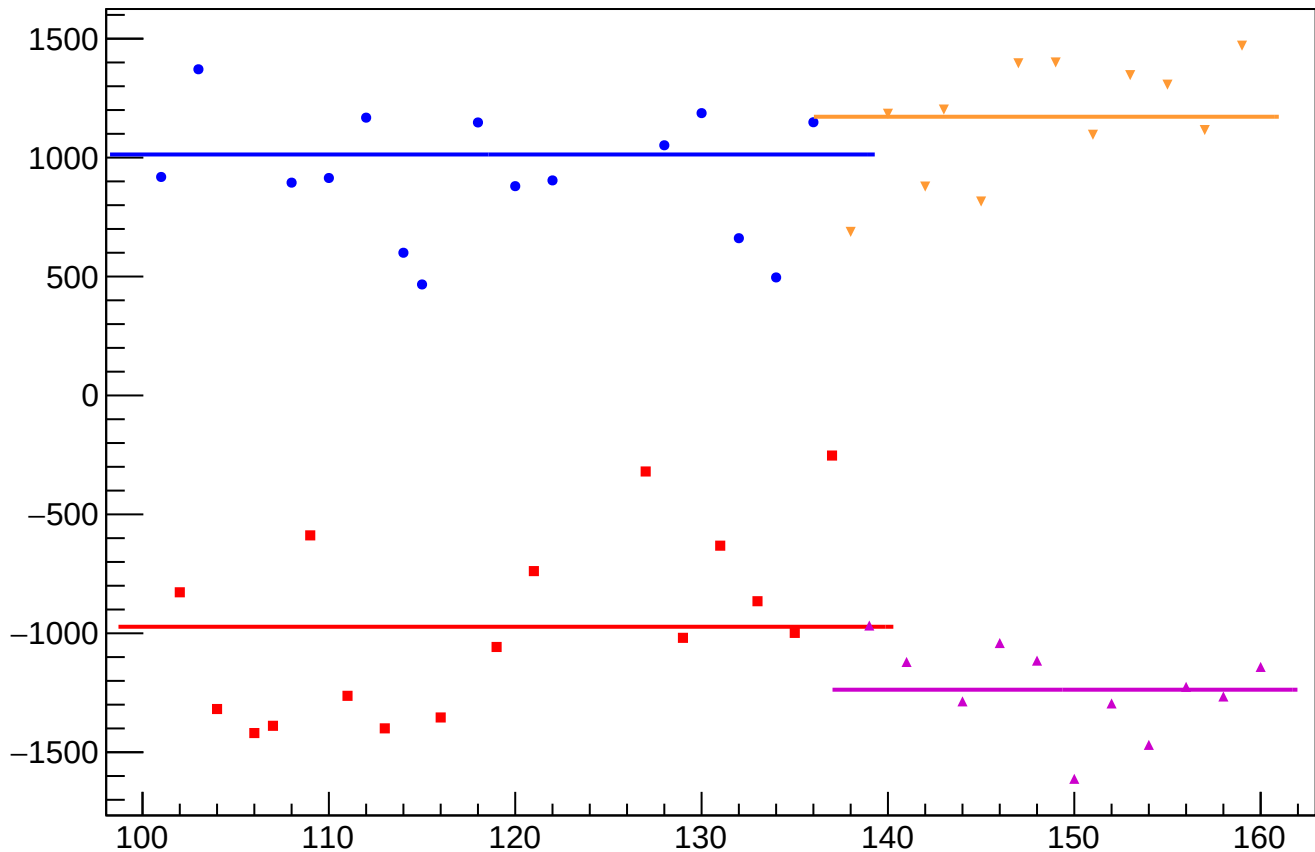
All: 210.837+/-0.000 χ^2/NDF : 145189636575

dit_atl2_coil6_err_mean vs Slug, Sign Corrected



Right In: 1343.321+/-0.000 χ^2/NDF : 1317478352429773686550511077330771771392.0/14
 Left Out: 685.307+/-0.000 χ^2/NDF : 46333249080985813233742212153458294784.0/11
 Right Out: -1291.796+/-0.000 χ^2/NDF : 1323568917008872977905960011586991030272.0/15
 Left In: -711.726+/-0.000 χ^2/NDF : 15873419979583207307068429247017123840.0/10
 All: -6.683+/-0.000 χ^2/NDF : 5884601406998

dit_atl2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

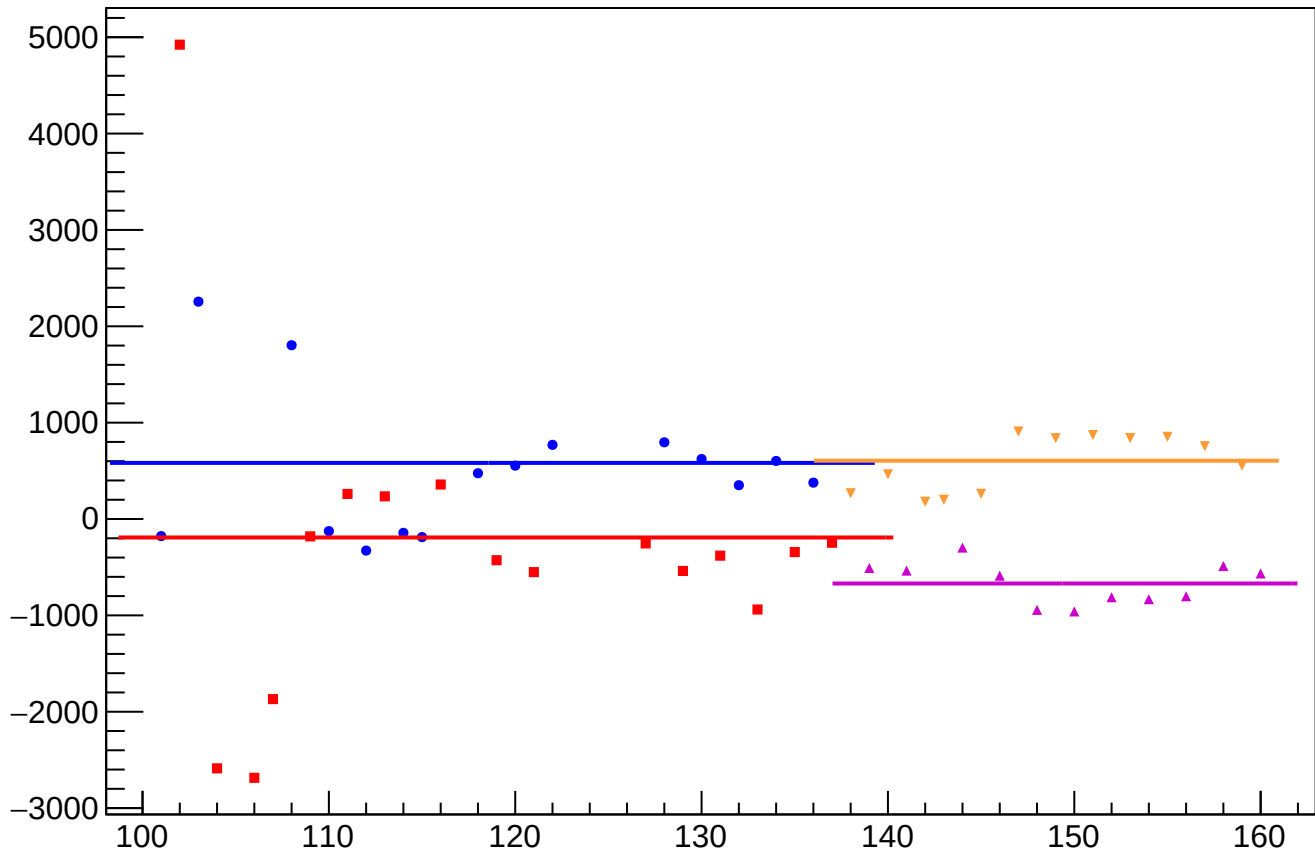
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: 308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_atr1_coil6_mean vs Slug, Sign Corrected



Right In: 582.390+/-0.000

χ^2/NDF : 338796567623032040072791996460490031104.0/14

Left Out: 605.074+/-0.000

χ^2/NDF : 67912515245446196729937130882705915904.0/11

Right Out: -191.587+/-0.000

χ^2/NDF : 2168762120552346223416743005020716269568.0/15

Left In: -669.155+/-0.000

χ^2/NDF : 39481195240563617253842230522616479744.0/10

Left: -35.507+/-0.000 χ^2/NDF : 8534436967394536

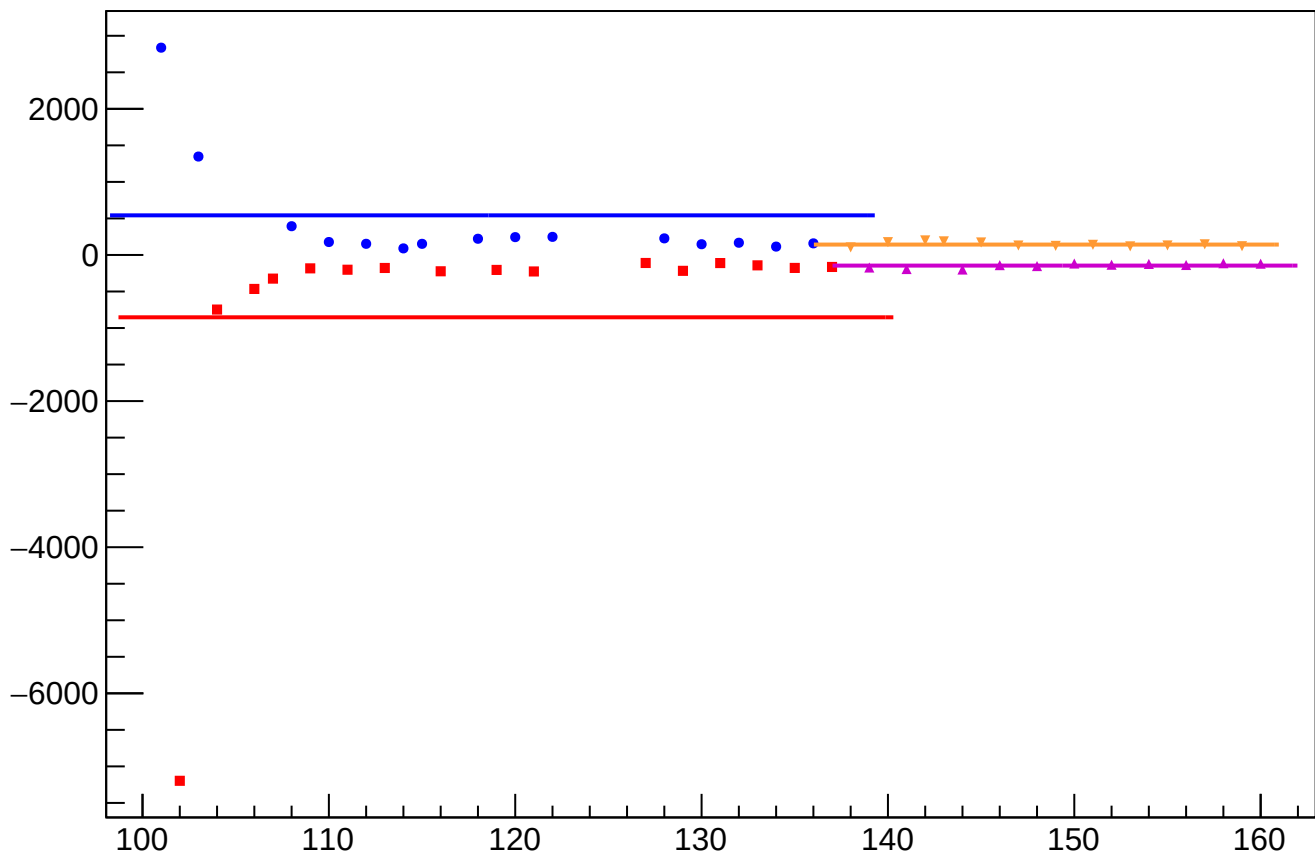
Right: 190.108+/-0.000 χ^2/NDF : 270460615635385

In: -152.784+/-0.000 χ^2/NDF : 9754243982311555

Out: 268.975+/-0.000 χ^2/NDF : 2481404905102664

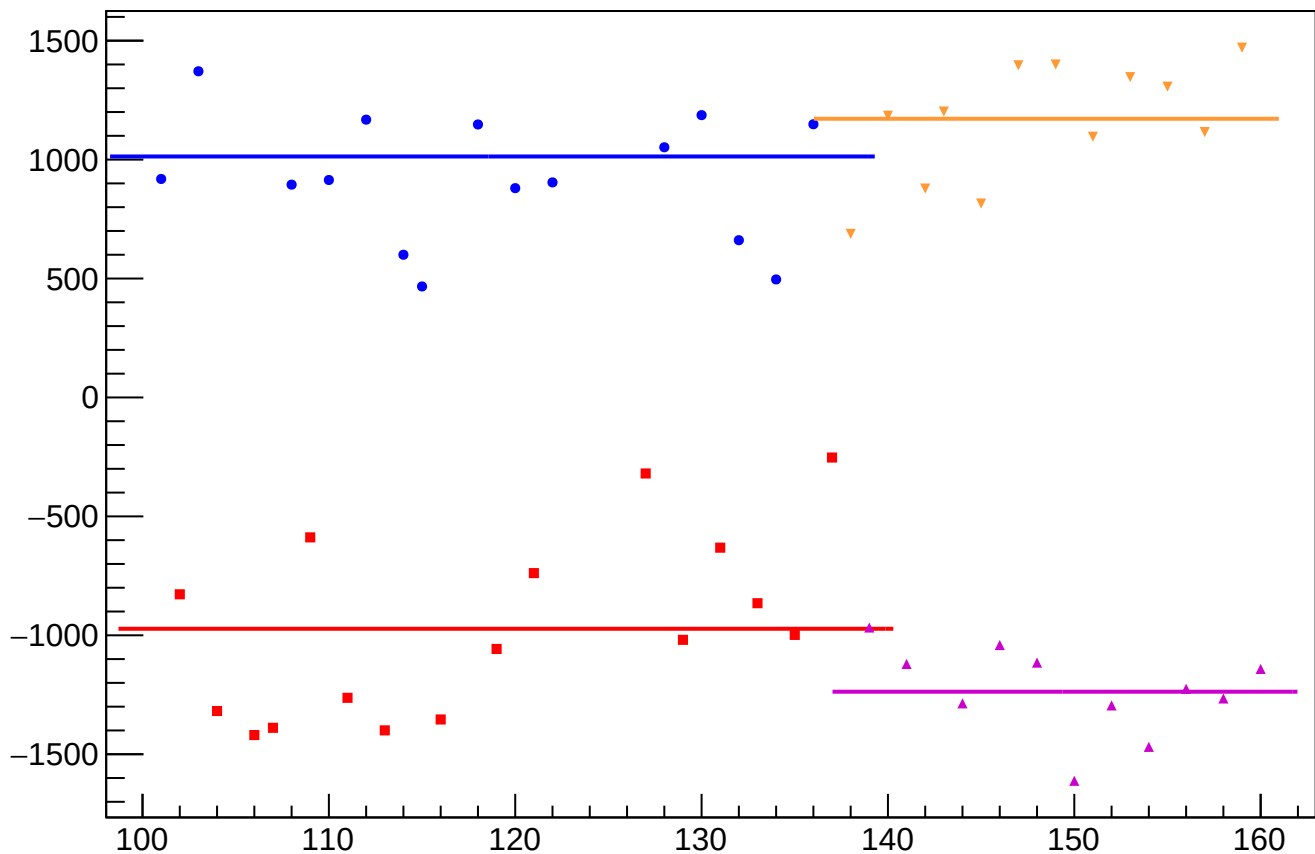
All: 58.630+/-0.000 χ^2/NDF : 3597086809072

dit_atr1_coil6_err_mean vs Slug, Sign Corrected



Left: -2.367 +/- 0.000 χ^2/NDF : 39549748395756711
 Right In: 542.328 +/- 0.000 χ^2/NDF : 414378812003795549649034048462817067008.0/14
 Right: -164.982 +/- 0.000 χ^2/NDF : 36290648240362
 Left Out: 142.333 +/- 0.000 χ^2/NDF : 699754234994212847043453967042347008.0/11
 In: 138.288 +/- 0.000 χ^2/NDF : 5955245908966435
 Right Out: -853.203 +/- 0.000 χ^2/NDF : 2574076381441046787772449137133917044736.0/15
 Out: -277.669 +/- 0.000 χ^2/NDF : 295694420364328
 Left In: -145.502 +/- 0.000 χ^2/NDF : 782066035610550272928661281894825984.0/10
 All: -70.218 +/- 0.000 χ^2/NDF : 368889410963

dit_atr1_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

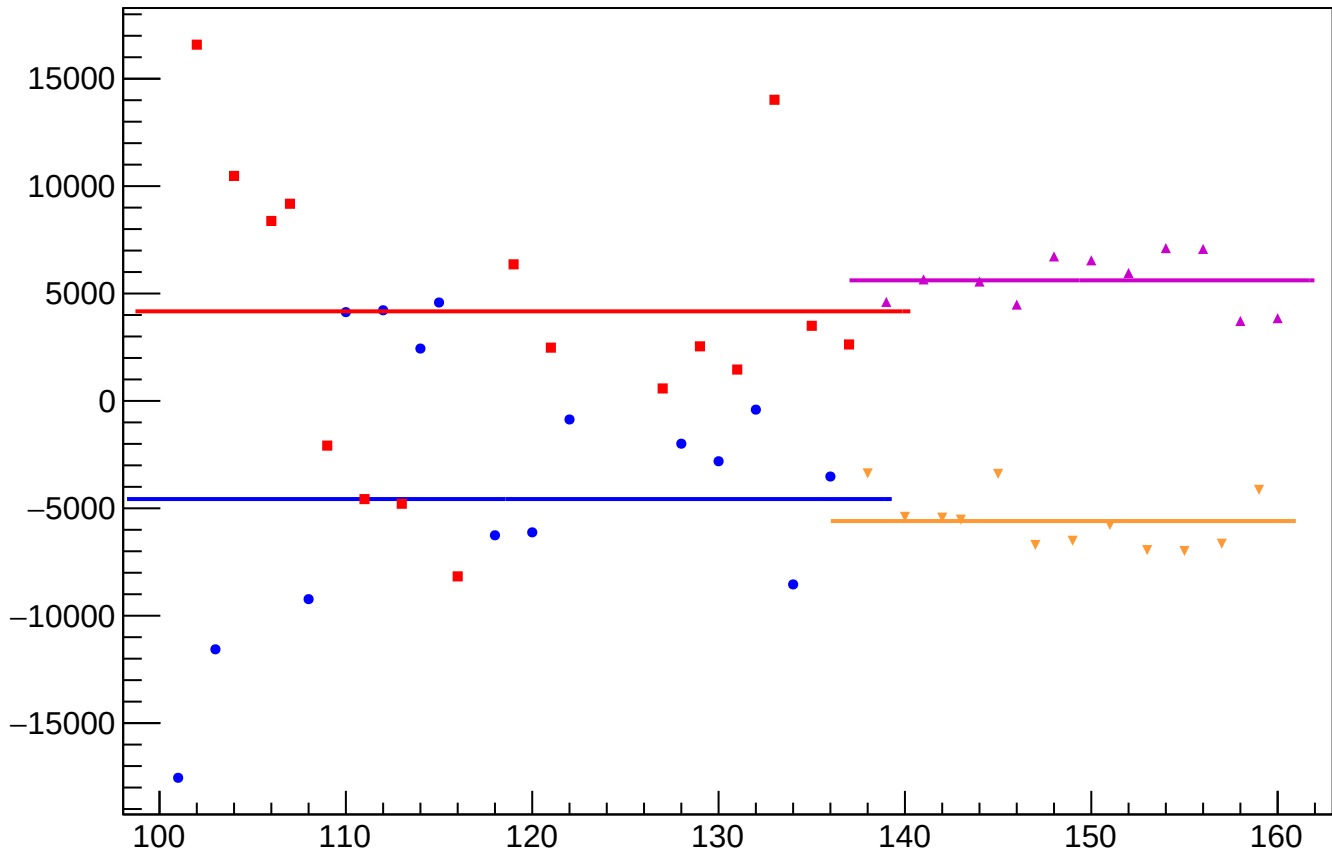
χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_atr2_coil6_mean vs Slug, Sign Corrected



Right In: -4568.297 $\pm$ 0.000

Left Out: -5592.357 $\pm$ 0.000

Right Out: 4170.773 $\pm$ 0.000

Left In: 5613.024 $\pm$ 0.000

χ^2 /NDF: 24195052148165719540713110921977756909568.0/14

χ^2 /NDF: 1502507998590915650067934753088681803776.0/11

χ^2 /NDF: 30967248832187912041113909559481103024128.0/15

χ^2 /NDF: 1272210659936261957248133173503170969600.0/10

Left: 40.816 $\pm$ 0.000 χ^2 /NDF: 60468092890171926

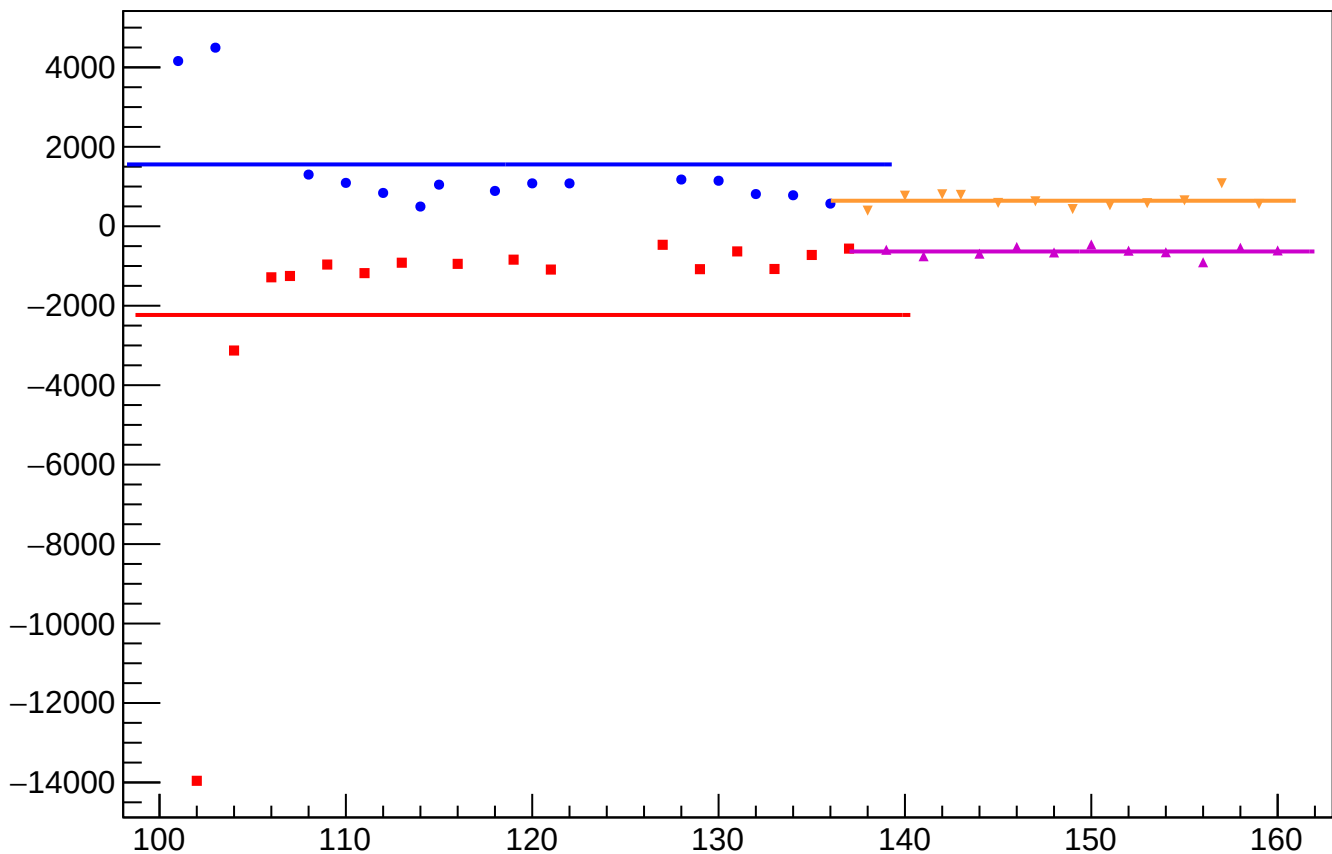
Right: -138.996 $\pm$ 0.000 χ^2 /NDF: 80283768430562

In: 1412.339 $\pm$ 0.000 χ^2 /NDF: 6498537450862054

Out: -1473.440 $\pm$ 0.000 χ^2 /NDF: 69224914404037

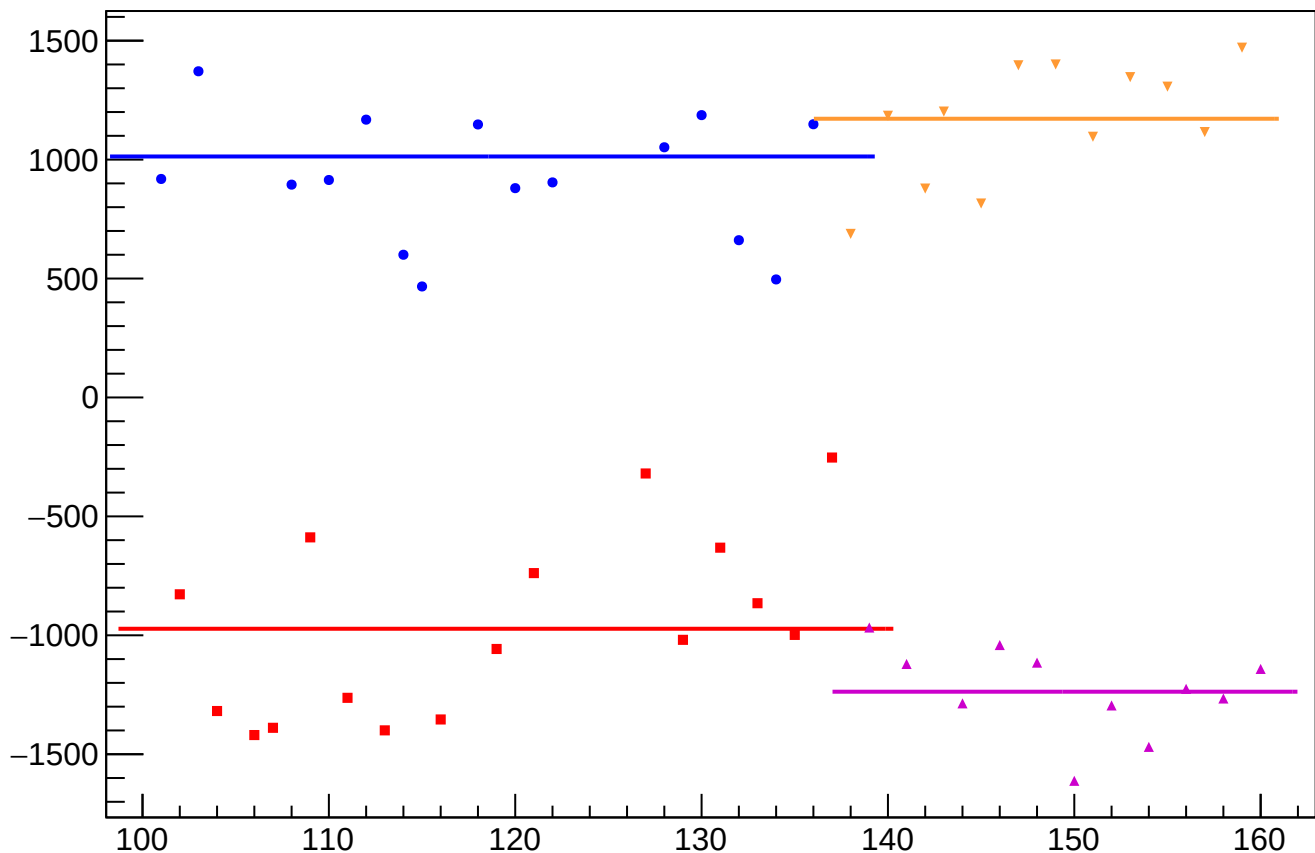
All: -34.210 $\pm$ 0.000 χ^2 /NDF: 140776657149

dit_atr2_coil6_err_mean vs Slug, Sign Corrected



Right In: 1556.763+/-0.000 χ^2/NDF : 1139364239218600567191855131756930793472.0/14
 Left Out: 642.639+/-0.000 χ^2/NDF : 29931346030134316080818937490076336128.0/11
 Right Out: -2232.520+/-0.000 χ^2/NDF : 8990395725533930134878595569706942332928.0/15
 Left In: -634.562+/-0.000 χ^2/NDF : 12308442809403031190669556314642841600.0/10
 All: -151.463+/-0.000 χ^2/NDF : 15746462164

dit_atr2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

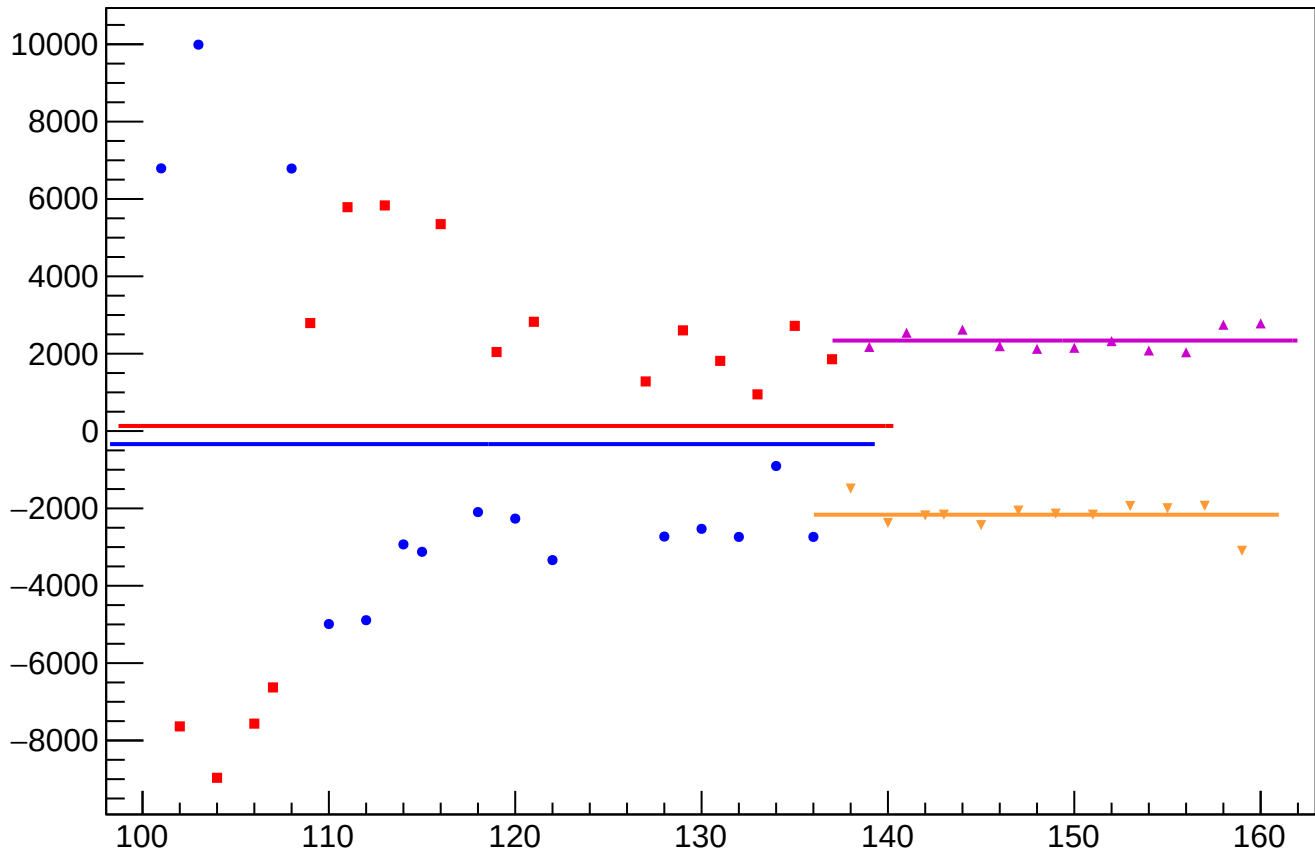
χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam1_coil6_mean vs Slug, Sign Corrected



Right In: -337.865+/-0.000

χ^2/NDF : 15152515933007079891661097940762081886208.0/14

Left Out: -2162.857+/-0.000

χ^2/NDF : 126332275232930257638482620391759020032.0/11

Right Out: 131.545+/-0.000

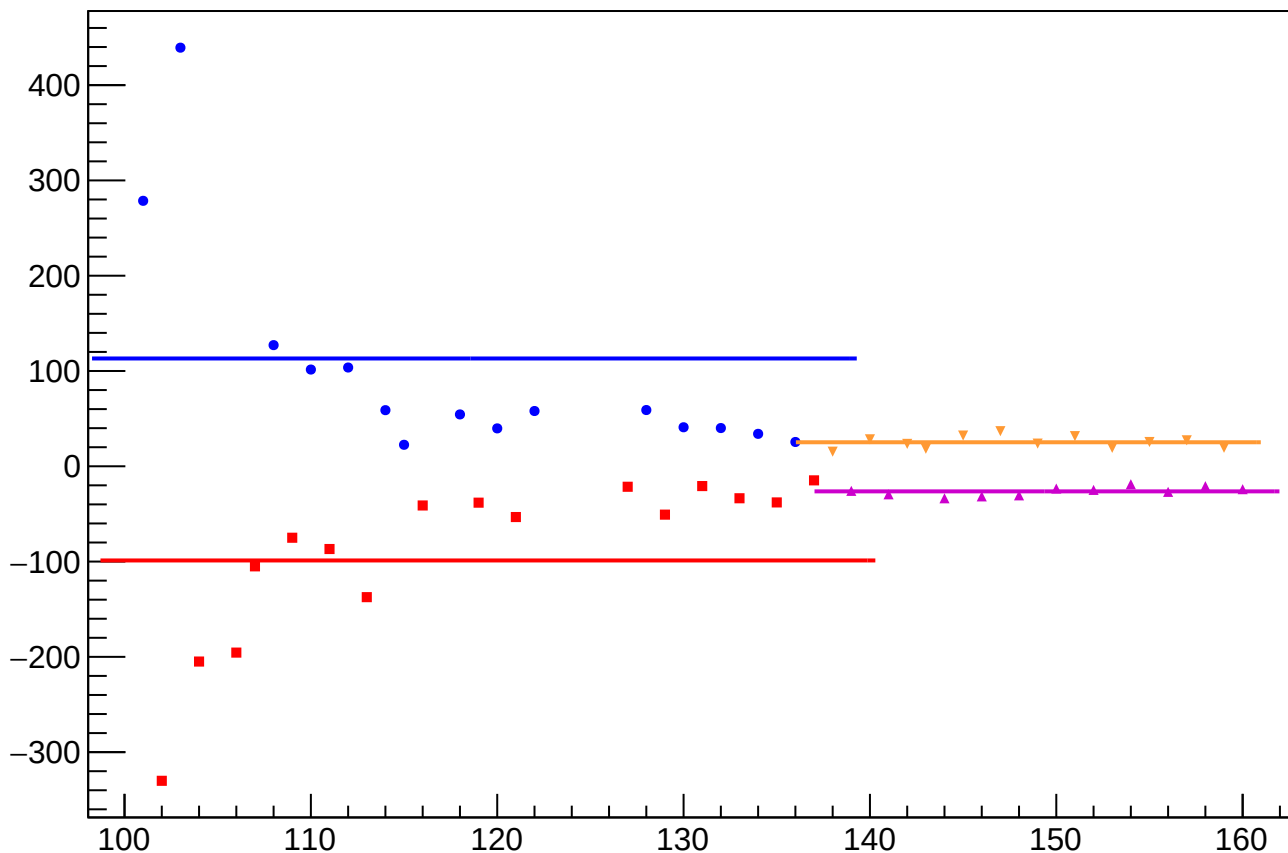
χ^2/NDF : 16473217651078877976377424419956902068224.0/15

Left In: 2339.639+/-0.000

χ^2/NDF : 62860144247456957543810906284181422080.0/10

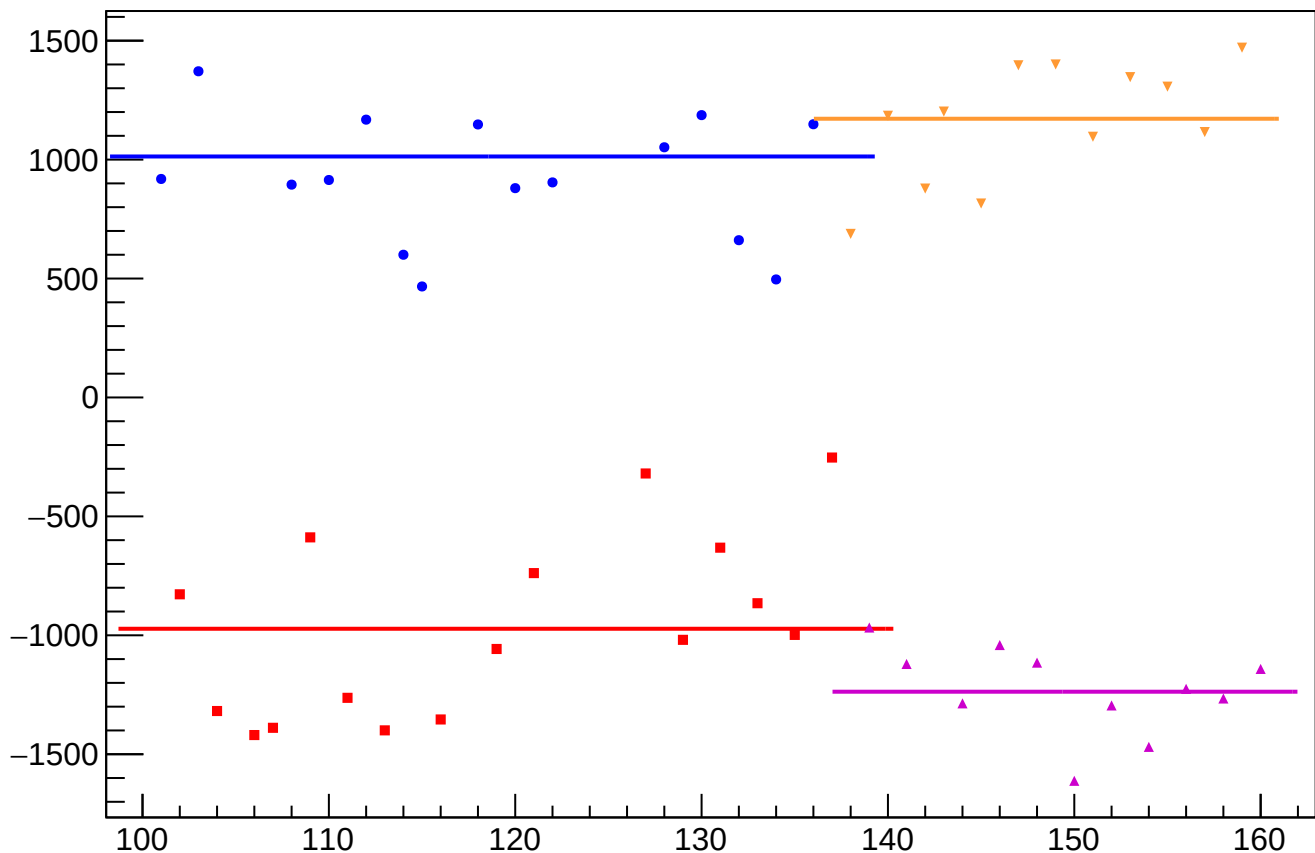
Left: 100.639+/-0.000 χ^2/NDF : 9504114139630339
 Right: -99.949+/-0.000 χ^2/NDF : 316982138957514
 In: 1234.934+/-0.000 χ^2/NDF : 1794842889484232
 Out: -1194.883+/-0.000 χ^2/NDF : 18629471707312
 All: 16.944+/-0.000 χ^2/NDF : 4123318495094

dit_sam1_coil6_err_mean vs Slug, Sign Corrected



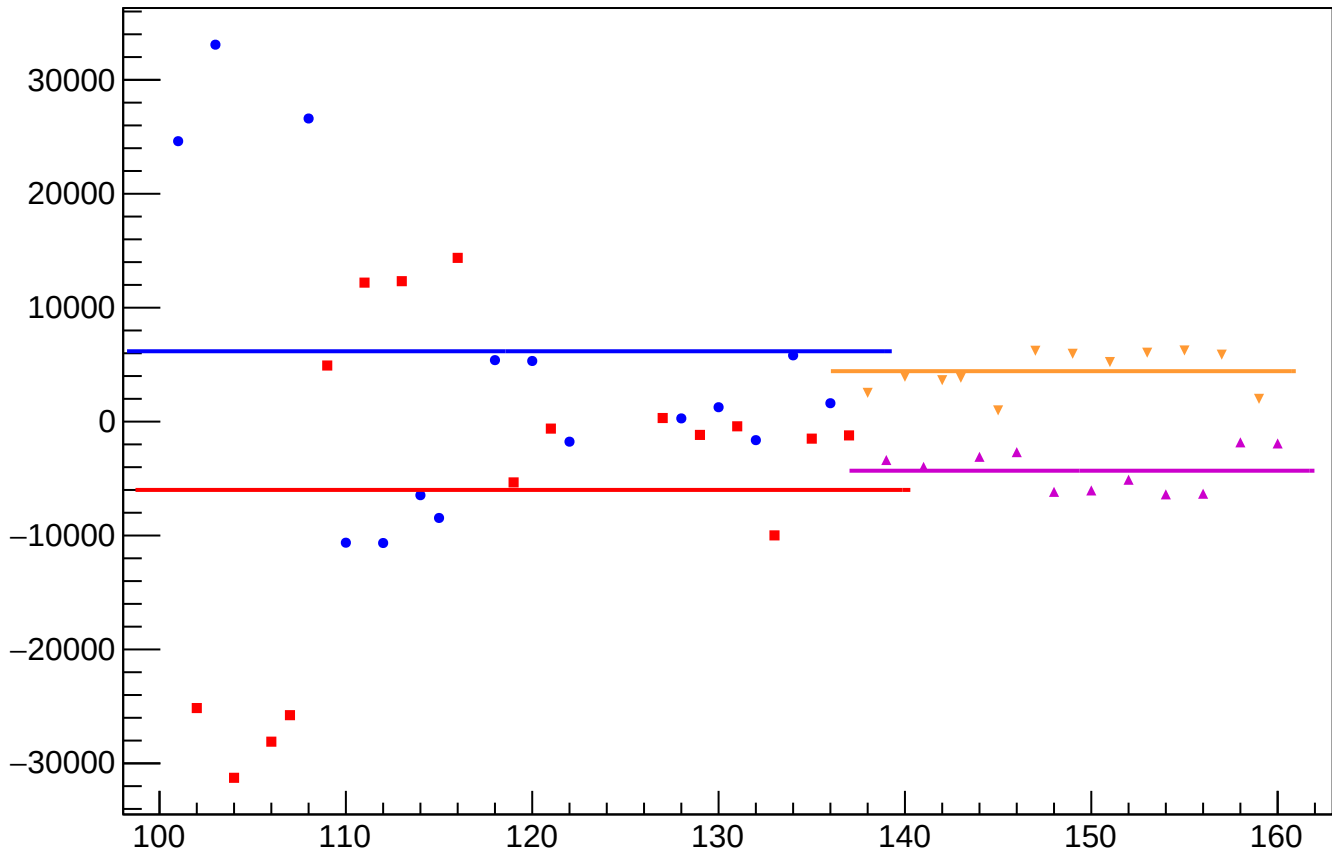
Left: -0.703 +/- 0.000 χ^2/NDF : 12737969644467641
 Right In: 113.134 +/- 0.000 χ^2/NDF : 9989638354332004017458192433874468864.0/14
 Right: 5.701 +/- 0.000 χ^2/NDF : 30279176036436111
 Left Out: 25.204 +/- 0.000 χ^2/NDF : 35340998729966912863138320392126464.0/11
 In: 31.211 +/- 0.000 χ^2/NDF : 174228215351618200
 Right Out: -98.833 +/- 0.000 χ^2/NDF : 5510365308590426333953610701260980224.0/15
 Out: -27.125 +/- 0.000 χ^2/NDF : 1147829075591207
 Left In: -26.331 +/- 0.000 χ^2/NDF : 18142873408814573481950758043648000.0/10
 All: 1.969 +/- 0.000 χ^2/NDF : 31584425444526

dit_sam1_coil6_Ndata_mean vs Slug, Sign Corrected



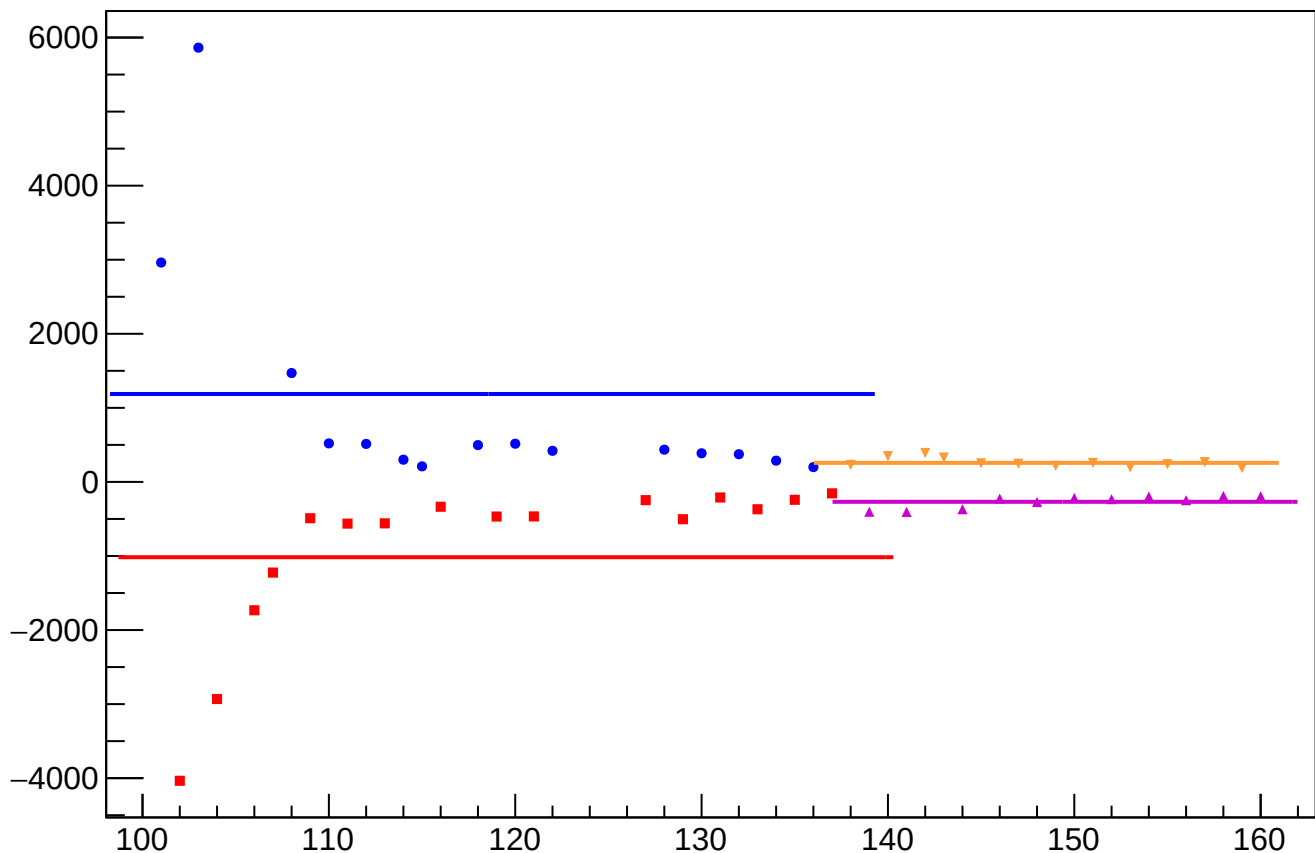
Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam2_coil6_mean vs Slug, Sign Corrected



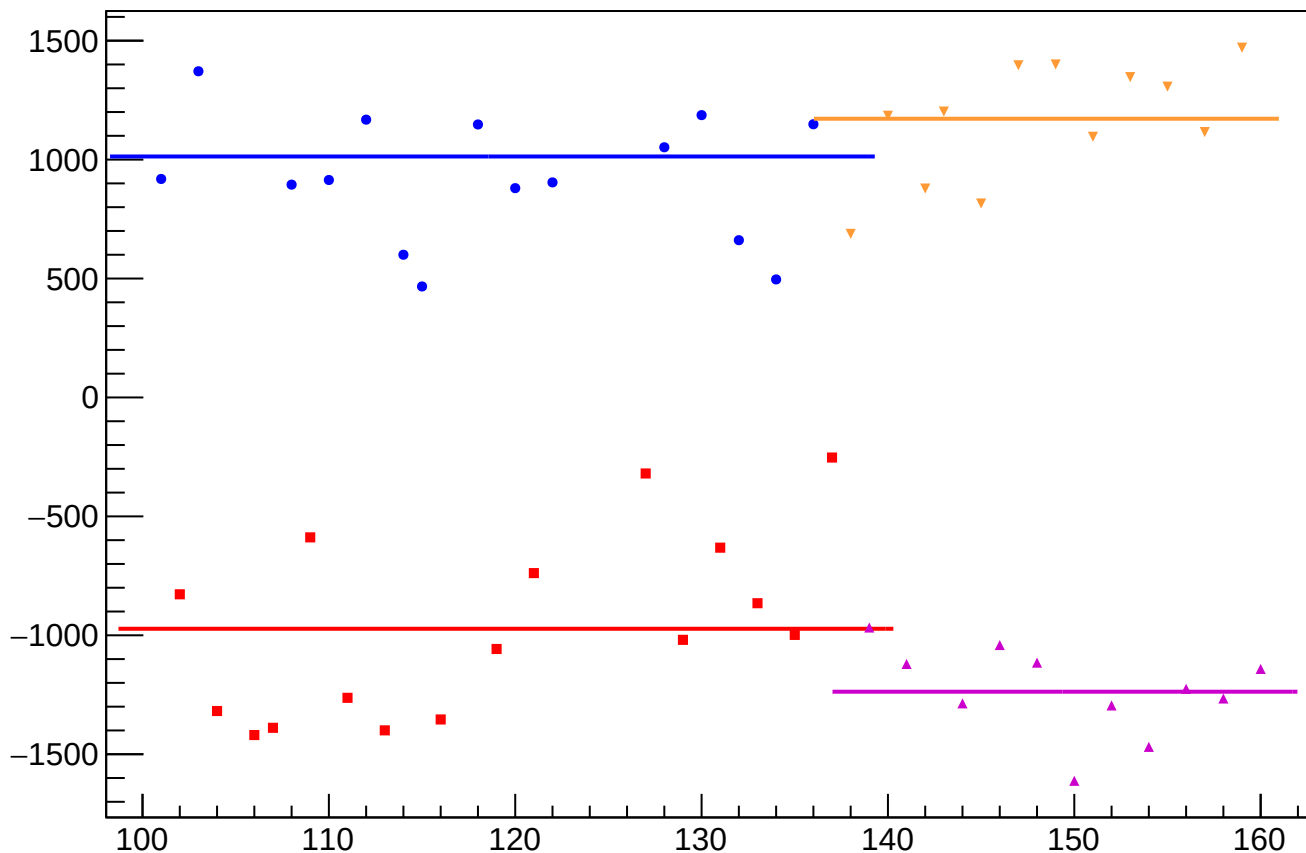
Right In: 6175.493+/-0.000 χ^2/NDF : 117260877162921223967478349050708452442112.0/14
 Left Out: 4428.101+/-0.000 χ^2/NDF : 2900138976874387724183278190835470958592.0/11
 Right Out: -5996.727+/-0.000 χ^2/NDF : 137057710785025136543407710107916356812800.0/15
 Left In: -4310.541+/-0.000 χ^2/NDF : 2687248811790643780000086030830396243968.0/10
 All: 22.962+/-0.000 χ^2/NDF : 3437312552543

dit_sam2_coil6_err_mean vs Slug, Sign Corrected



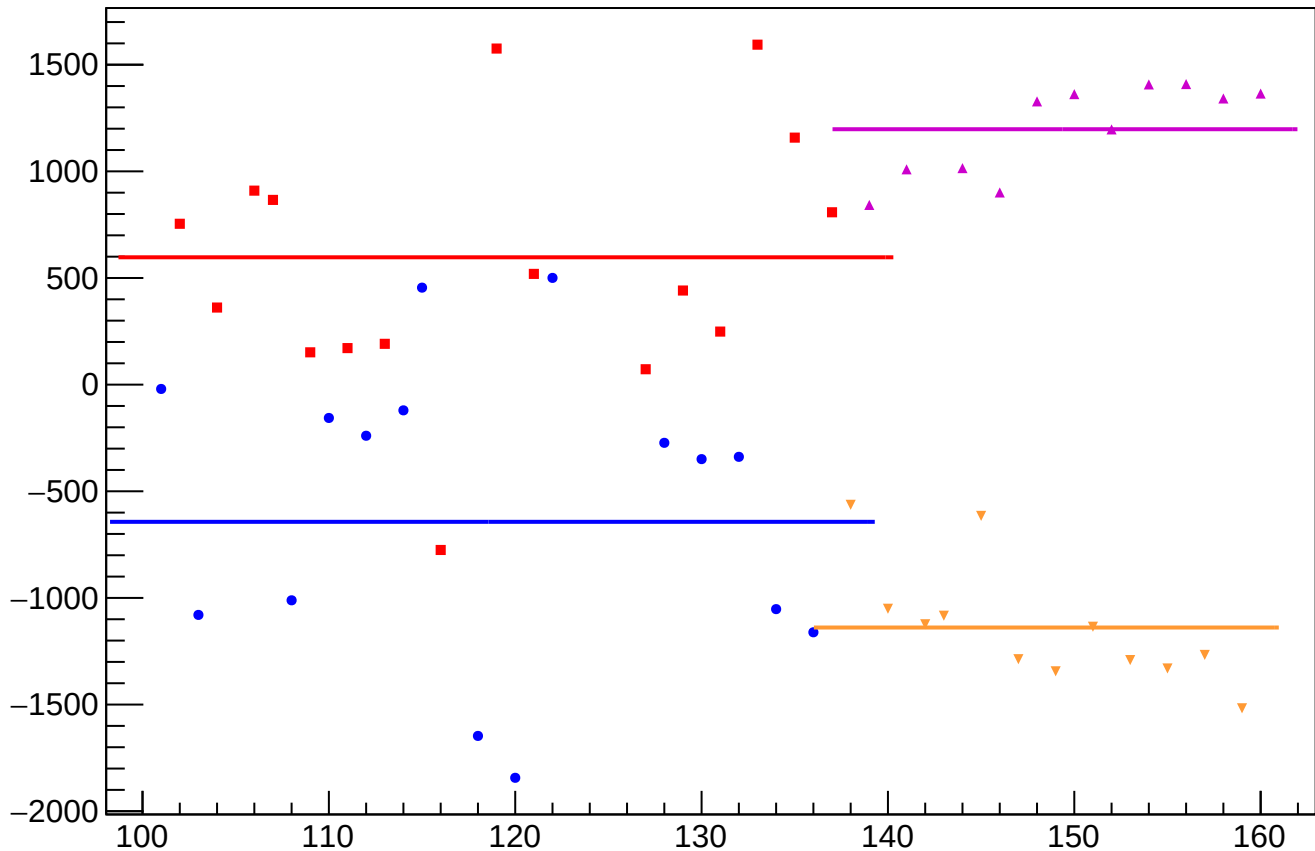
Right In: 1186.846+/-0.000 χ^2/NDF : 1796463312802023303623210264680353234944.0/14
 Left Out: 257.255+/-0.000 χ^2/NDF : 2781253601465669157863687249484316672.0/11
 Right Out: -1016.732+/-0.000 χ^2/NDF : 927646003466094249558391691024825057280.0/15
 Left In: -268.493+/-0.000 χ^2/NDF : 5855734975706547823556607966386847744.0/10
 All: 25.094+/-0.000 χ^2/NDF : 4461548431254

dit_sam2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam3_coil6_mean vs Slug, Sign Corrected



Right In: -643.217+/-0.000

χ^2/NDF : 272726964608206694027285159784925364224.0/14

Left Out: -1138.759+/-0.000

χ^2/NDF : 71006185953424254270590791718170263552.0/11

Right Out: 597.043+/-0.000

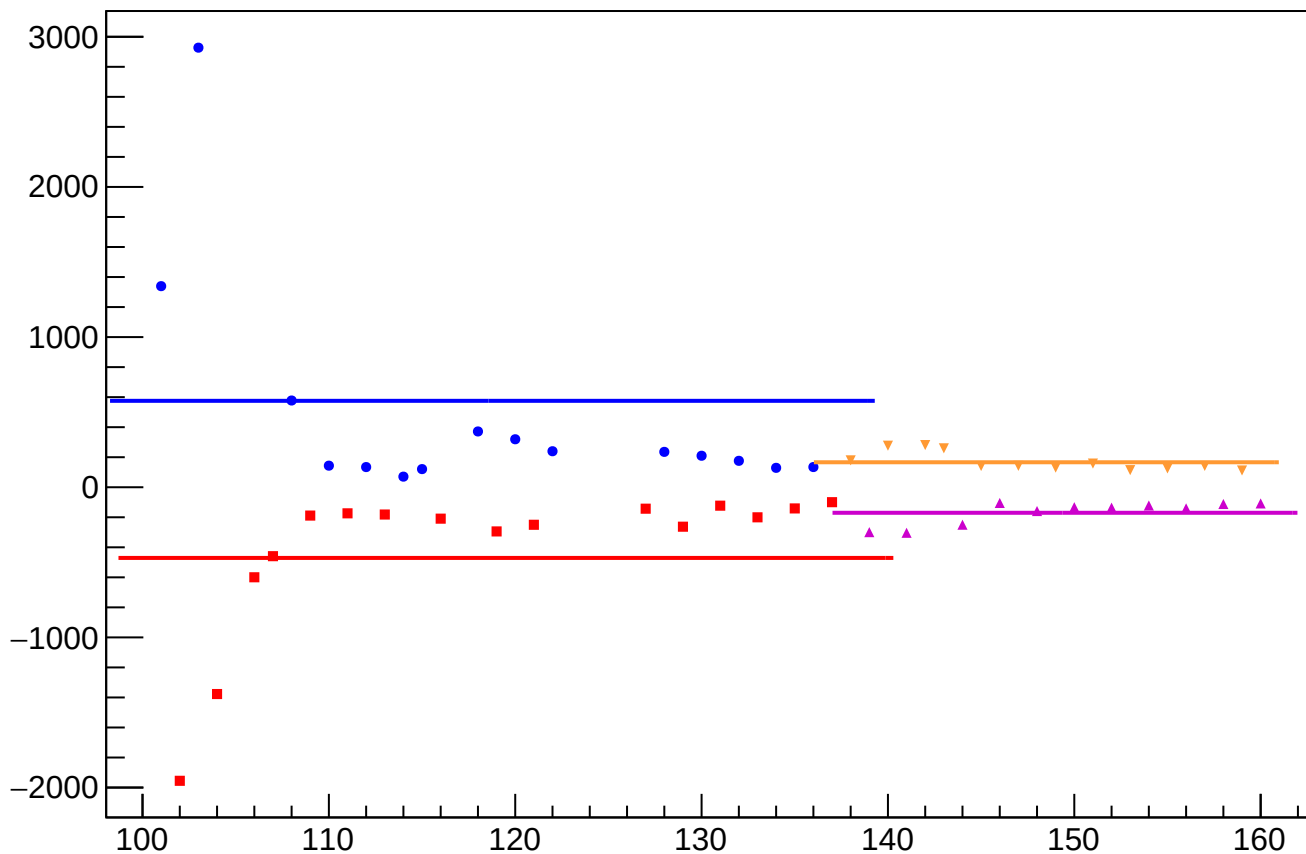
χ^2/NDF : 210733370798031449363504004319005376512.0/15

Left In: 1197.503+/-0.000

χ^2/NDF : 38624722141560961102710570239066636288.0/10

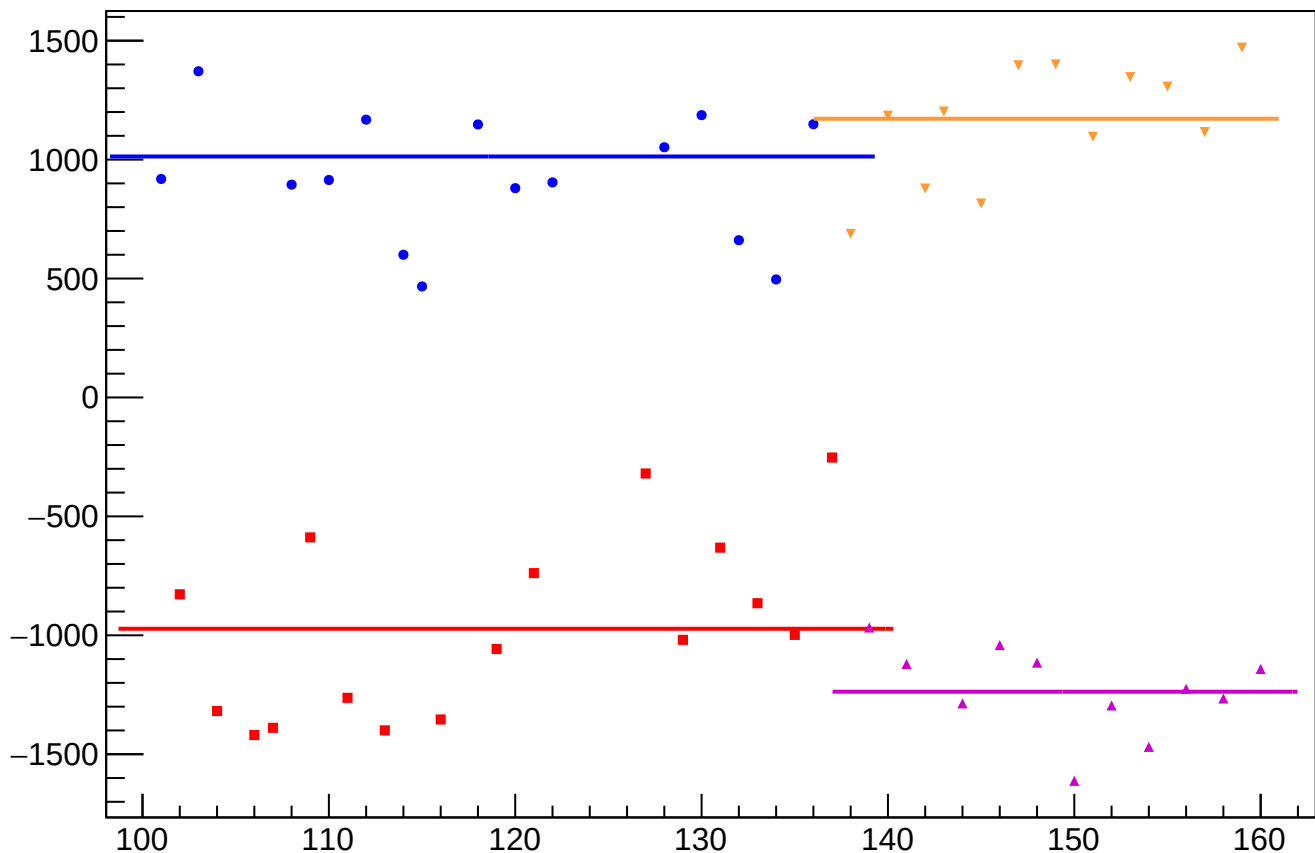
All: 14.726+/-0.000 χ^2/NDF : 3608953170188

dit_sam3_coil6_err_mean vs Slug, Sign Corrected



Right In: 575.526+/-0.000 χ^2/NDF : 432680039285849719493276471277131923456.0/14
 Left Out: 166.360+/-0.000 χ^2/NDF : 3052716209295405049807129095543193600.0/11
 Right Out: -470.716+/-0.000 χ^2/NDF : 209310604291868219806073768764512403456.0/15
 Left In: -170.082+/-0.000 χ^2/NDF : 4851165358478650186983079637734653952.0/10
 All: 17.262+/-0.000 χ^2/NDF : 1063737364413

dit_sam3_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

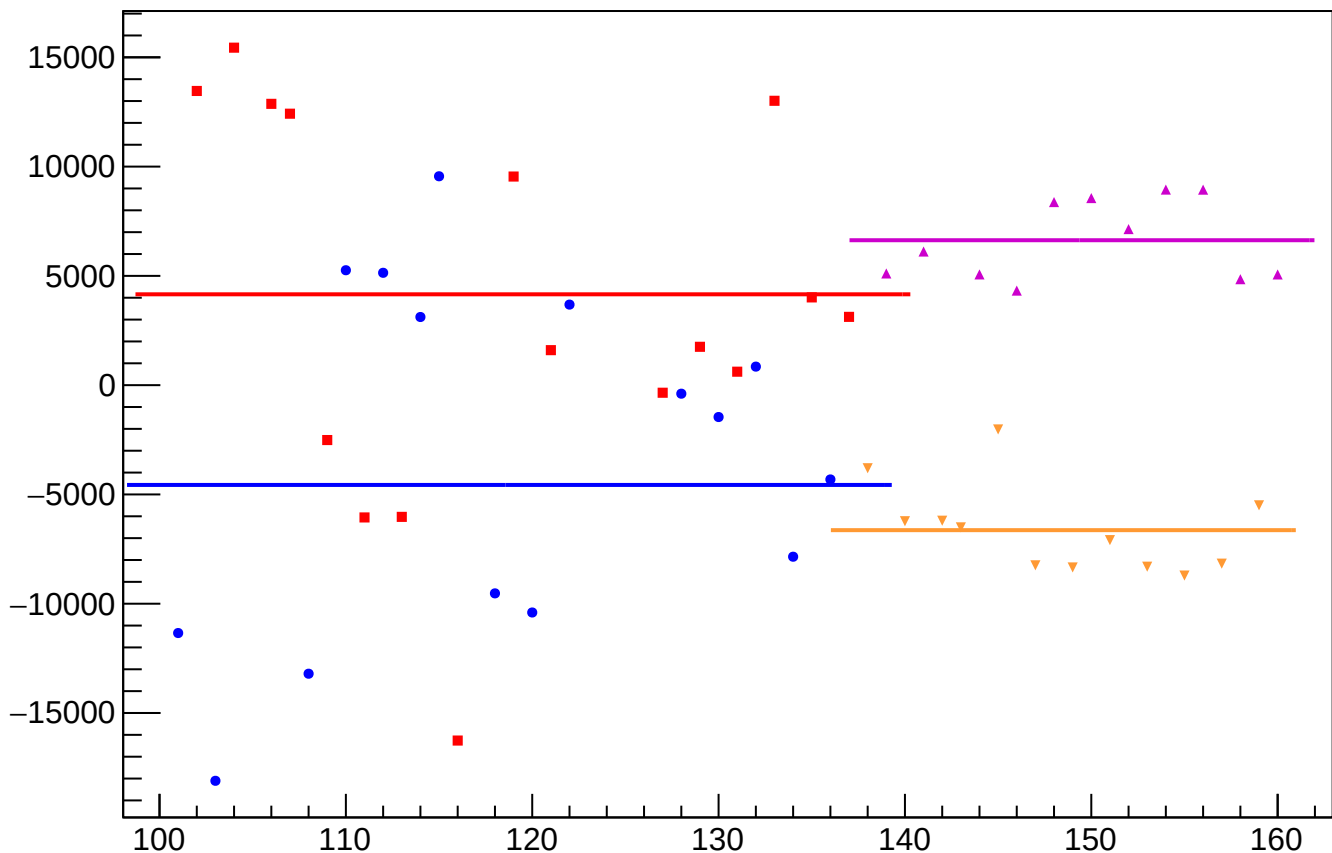
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam4_coil6_mean vs Slug, Sign Corrected



Right In: -4565.412 +/- 0.000

χ^2/NDF : 35667768247432289984899042725155487875072.0/14

Left Out: -6634.457 +/- 0.000

χ^2/NDF : 3640150880403299784339543756995645407232.0/11

Right Out: 4156.859 +/- 0.000

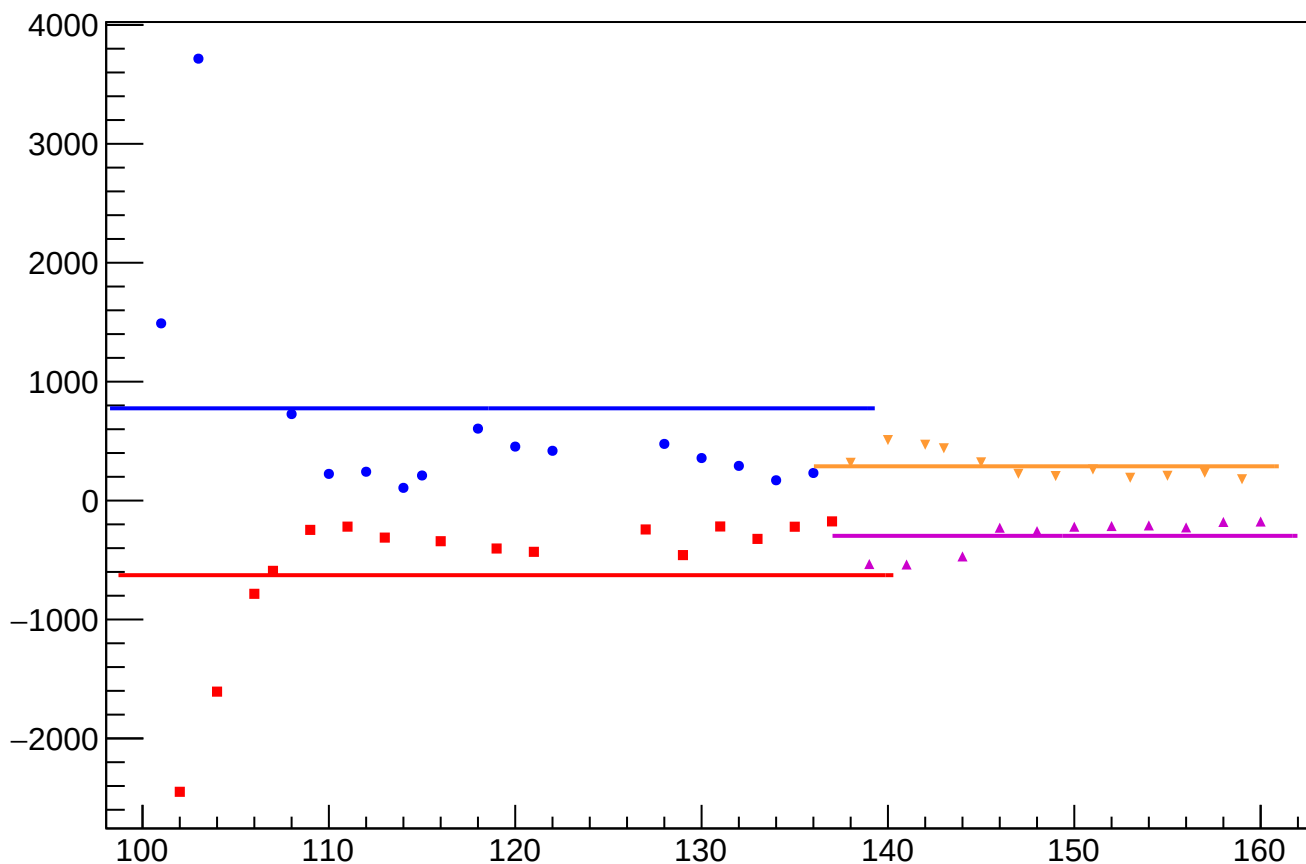
χ^2/NDF : 45539455441659927157708443099930682195968.0/15

Left In: 6631.377 +/- 0.000

χ^2/NDF : 2831140540306304869921468245145345327104.0/10

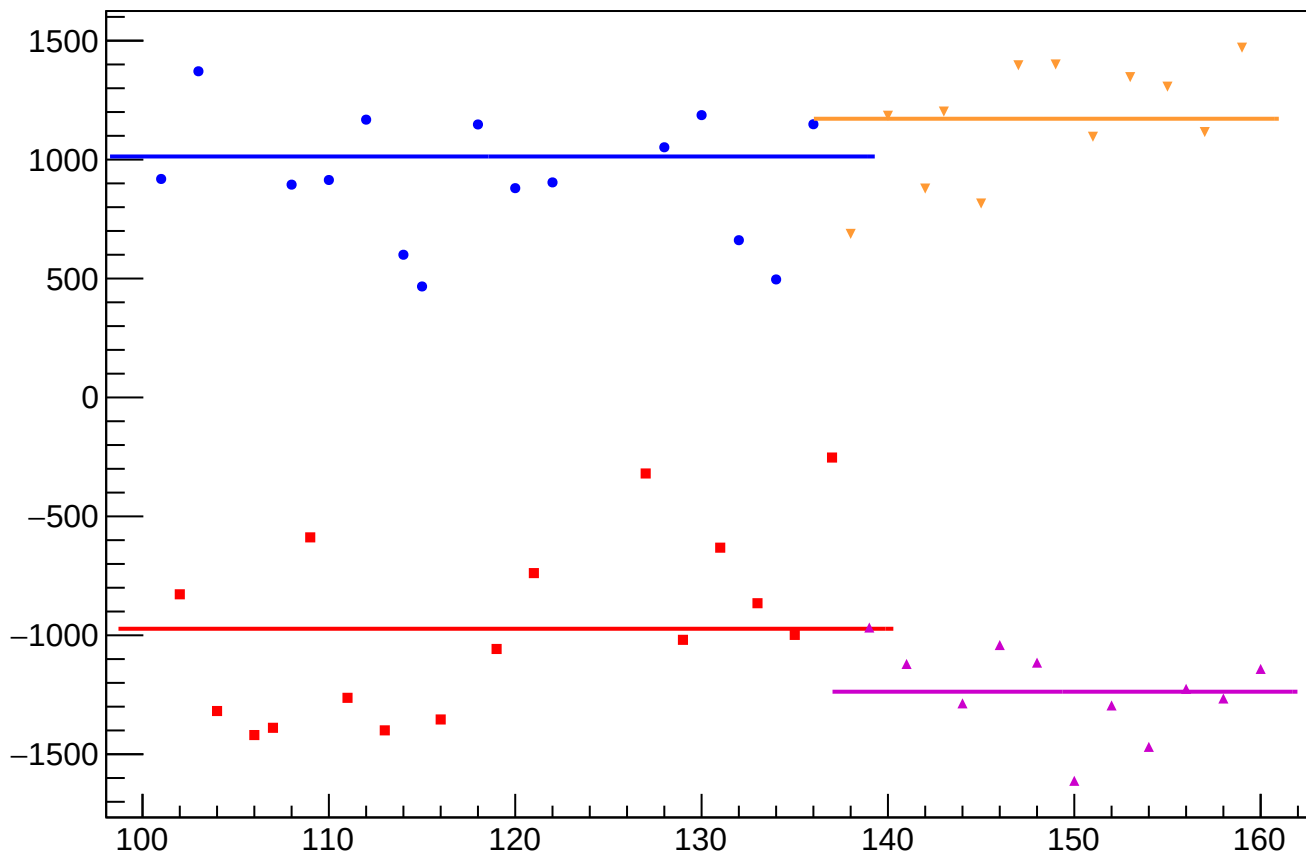
All: -40.212 +/- 0.000 χ^2/NDF : 193589617431

dit_sam4_coil6_err_mean vs Slug, Sign Corrected



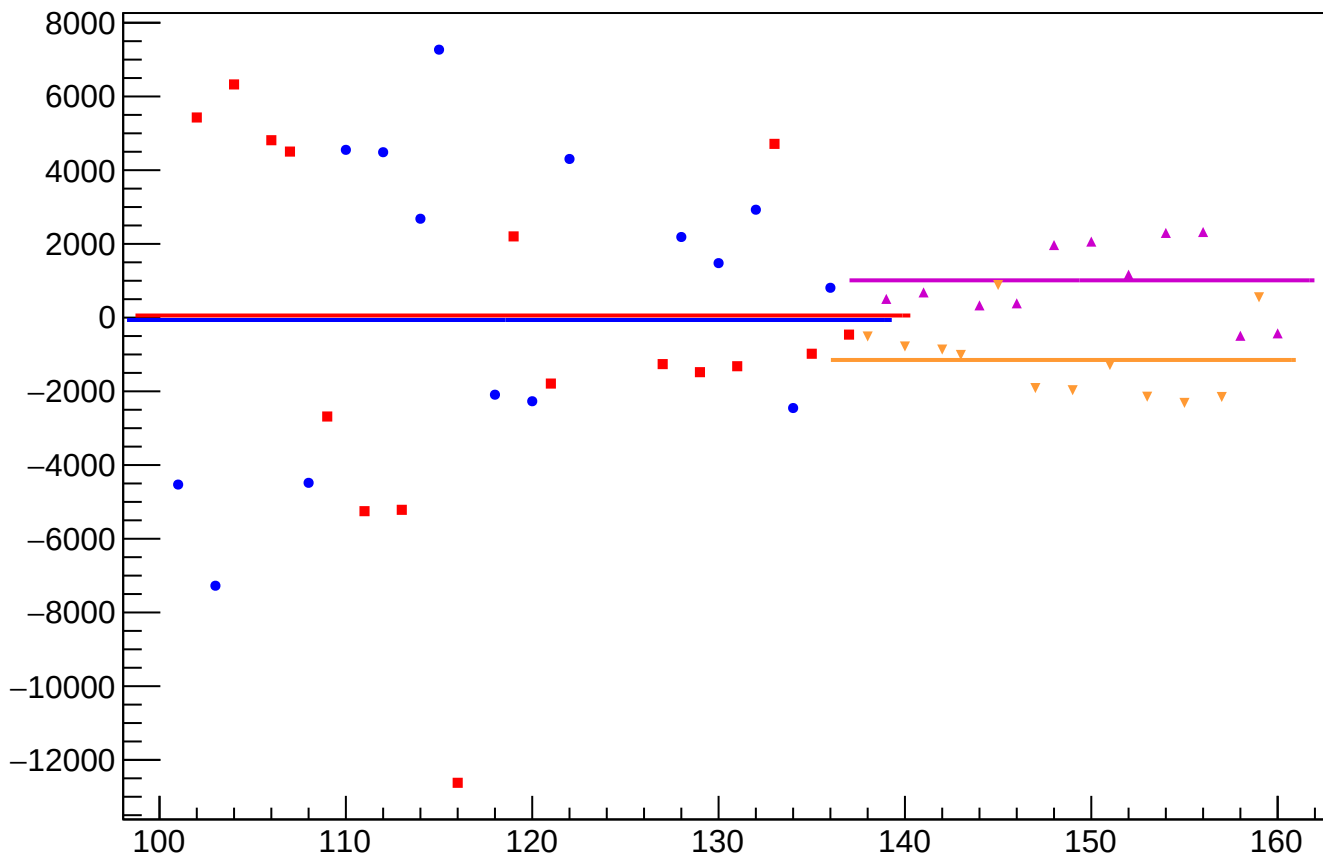
Right In: 775.824+/-0.000 χ^2/NDF : 641856726975740612716432458612629045248.0/14
 Left Out: 288.226+/-0.000 χ^2/NDF : 10607349218435095296400376728725225472.0/11
 Right Out: -627.315+/-0.000 χ^2/NDF : 297517676171111924966086193860621369344.0/15
 Left In: -296.514+/-0.000 χ^2/NDF : 17061879022016484064295210228444561408.0/10
 All: 23.637+/-0.000 χ^2/NDF : 1775565410854

dit_sam4_coil6_Ndata_mean vs Slug, Sign Corrected



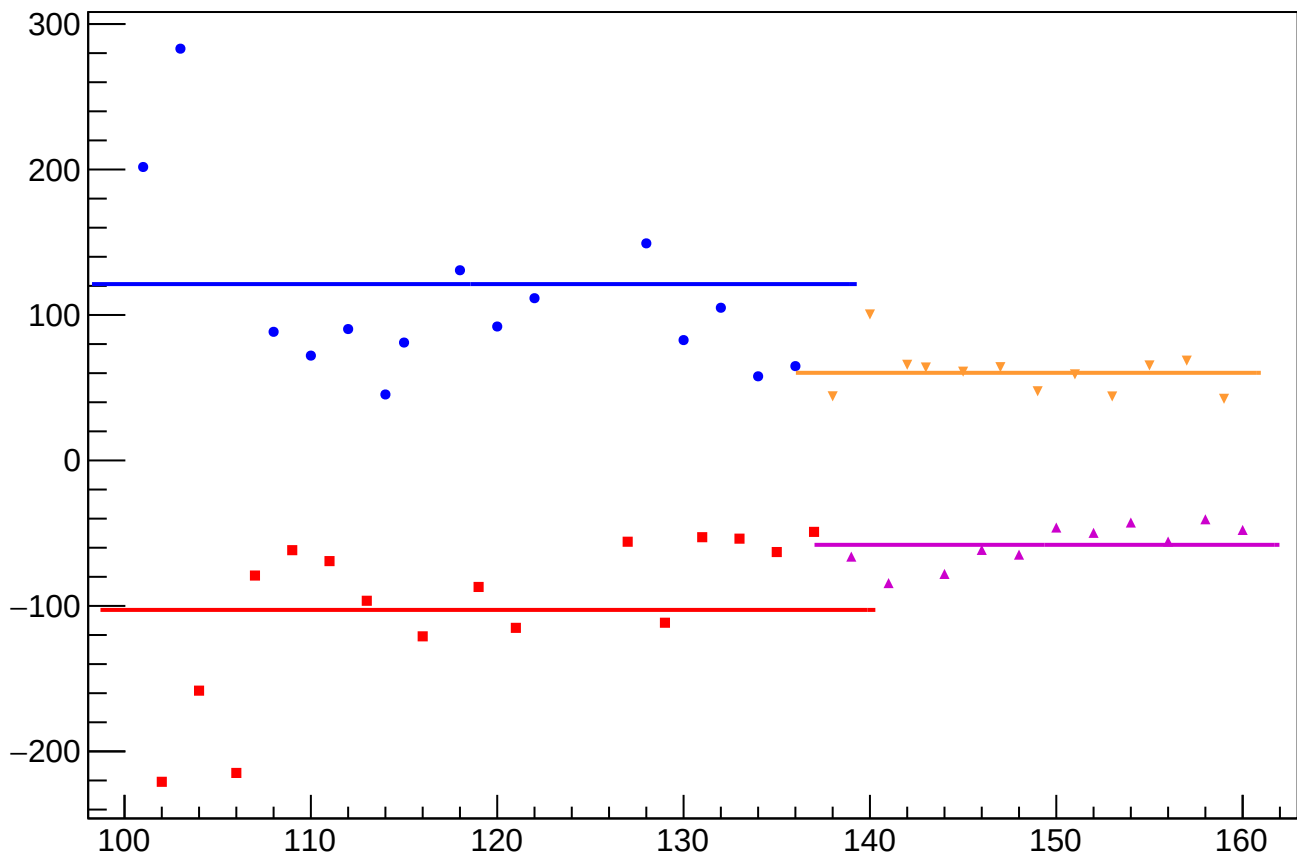
Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam5_coil6_mean vs Slug, Sign Corrected



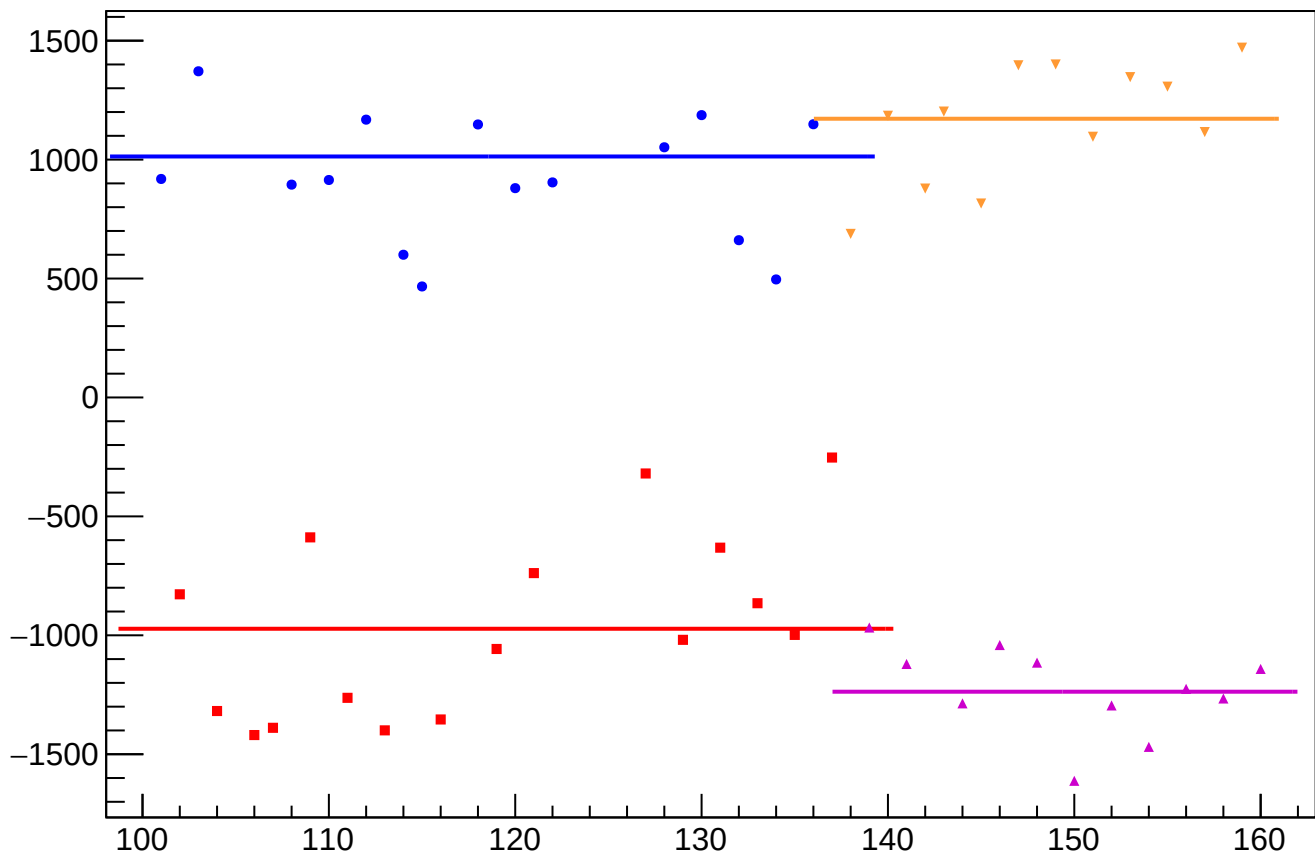
Left: -62.999+/-0.000 χ^2/NDF : 4025709858577995
 Right In: -64.751+/-0.000 χ^2/NDF : 9614223448851814191683817349989558910976.0/14
 Right: -2.927+/-0.000 χ^2/NDF : 2340007670014095
 Left Out: -1149.036+/-0.000 χ^2/NDF : 977384281251527862797157265716912586752.0/11
 In: 567.326+/-0.000 χ^2/NDF : 10959541423076679
 Right Out: 57.229+/-0.000 χ^2/NDF : 13780958977008702301942505454387177979904.0/15
 Out: -640.131+/-0.000 χ^2/NDF : 153194243932265
 Left In: 1011.284+/-0.000 χ^2/NDF : 903909408421874171739001543159795679232.0/10
 All: -37.934+/-0.000 χ^2/NDF : 274285540726

dit_sam5_coil6_err_mean vs Slug, Sign Corrected



Right In: 121.228+/-0.000 χ^2/NDF : 2723170857684362574800637594861305856.0/14
 Left Out: 60.239+/-0.000 χ^2/NDF : 225102554491032869548797845500329984.0/11
 Right Out: -102.749+/-0.000 χ^2/NDF : 1967668024846010333654427670555918336.0/15
 Left In: -58.011+/-0.000 χ^2/NDF : 177427701786540438757655027214450688.0/10
 All: 3.678+/-0.000 χ^2/NDF : 28056421642135

dit_sam5_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

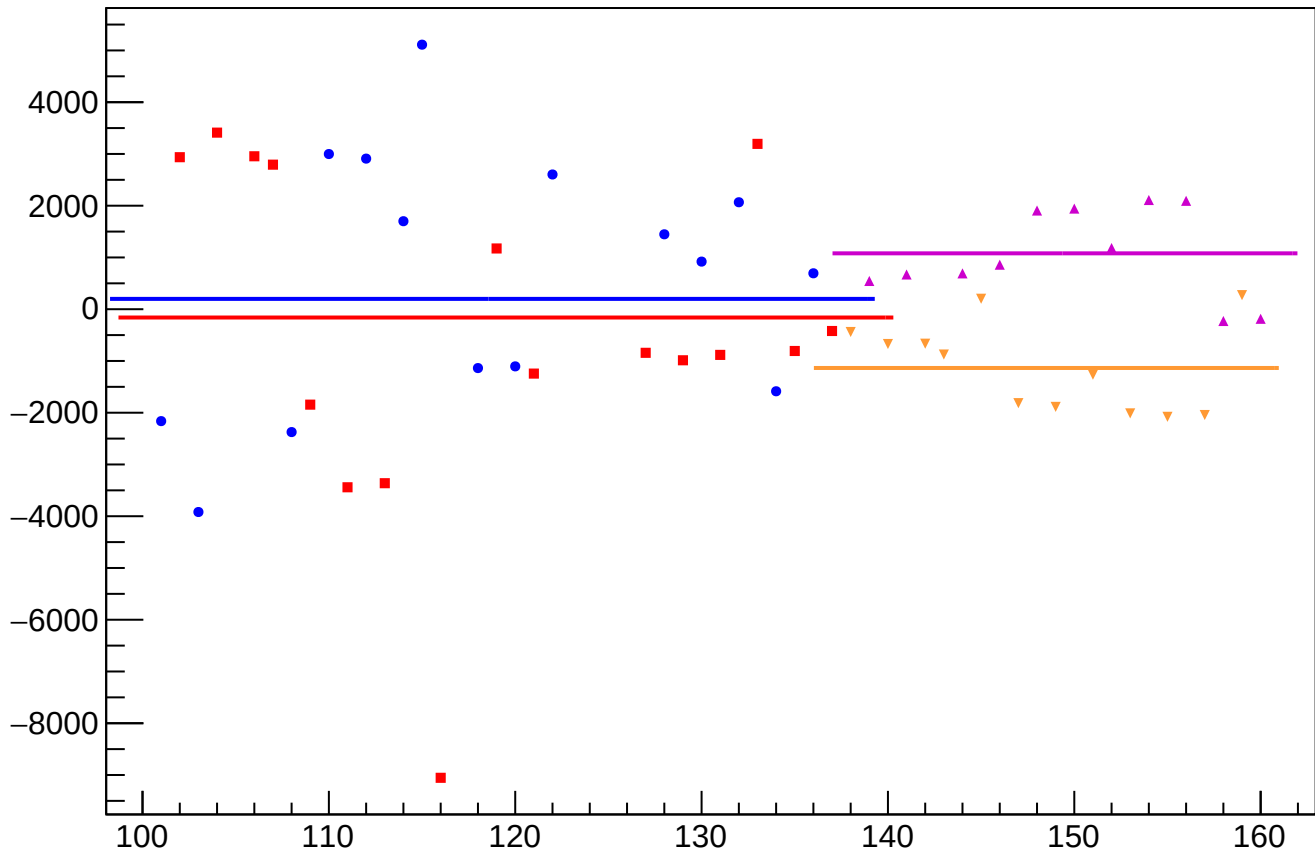
χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam6_coil6_mean vs Slug, Sign Corrected



Right In: 199.503+/-0.000

χ^2/NDF : 3268159745923533825045181664876849790976.0/14

Left Out: -1135.455+/-0.000

χ^2/NDF : 654697592596579349133010058178925166592.0/11

Right Out: -160.512+/-0.000

χ^2/NDF : 5680576709461197901526729703706251493376.0/15

Left In: 1079.555+/-0.000

χ^2/NDF : 614734398575877452858032752710912049152.0/10

Left: -21.924+/-0.000 χ^2/NDF : 3523794568652633

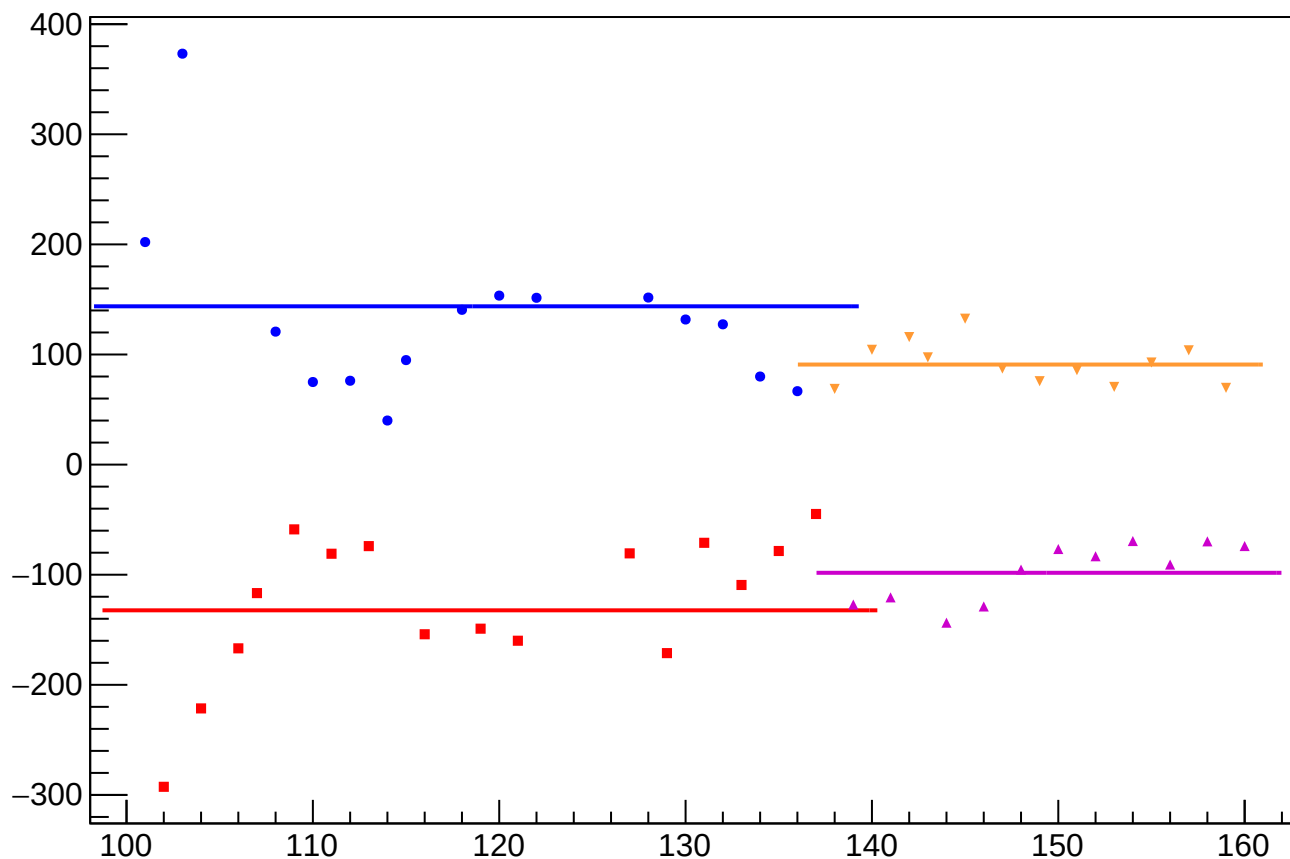
Right: 17.033+/-0.000 χ^2/NDF : 8991370549930185

In: 716.457+/-0.000 χ^2/NDF : 41781537377410598

Out: -724.141+/-0.000 χ^2/NDF : 670179463757753

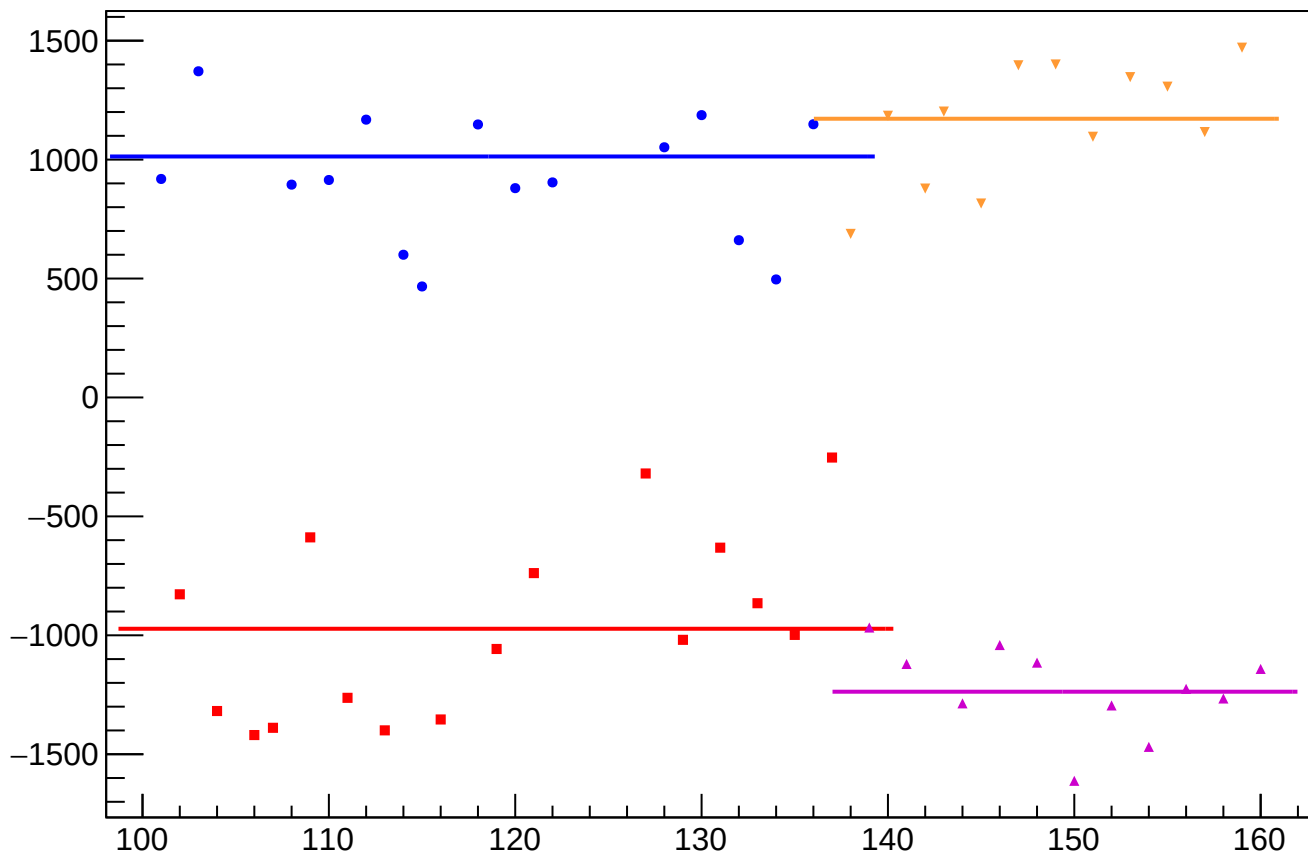
All: -5.669+/-0.000 χ^2/NDF : 1251632905272

dit_sam6_coil6_err_mean vs Slug, Sign Corrected



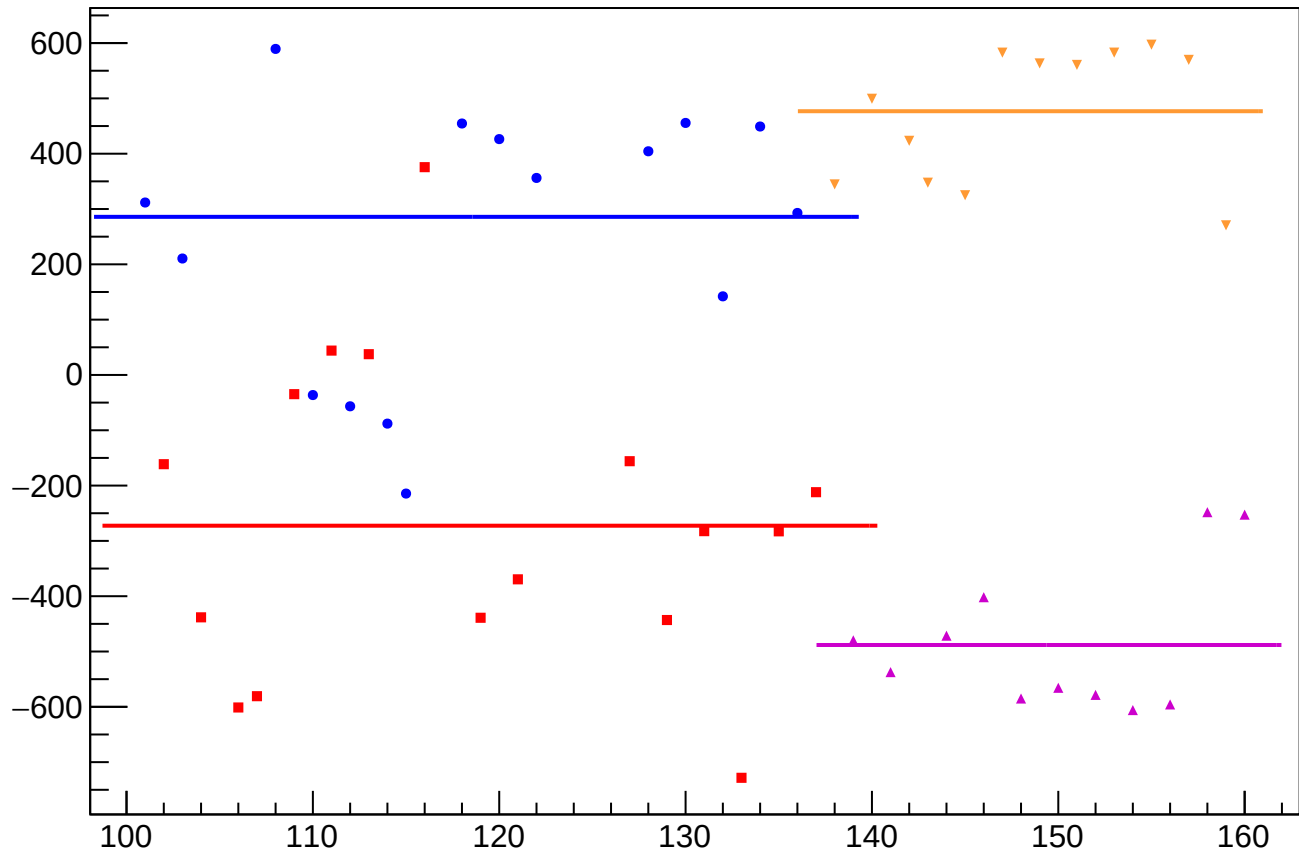
Left: -4.202 ± 0.000 $\chi^2/\text{NDF}: 17384612750229045$
 Right In: 143.764 ± 0.000 $\chi^2/\text{NDF}: 4514785869565777849900508591821946880.0/14$
 Right: 3.823 ± 0.000 $\chi^2/\text{NDF}: 32765016379949297$
 Left Out: 90.882 ± 0.000 $\chi^2/\text{NDF}: 326242734851411629220497356388040704.0/11$
 In: 1.598 ± 0.000 $\chi^2/\text{NDF}: 2746595414560194970$
 Right Out: -132.341 ± 0.000 $\chi^2/\text{NDF}: 3174087908796245287682359914282352640.0/15$
 Out: -3.293 ± 0.000 $\chi^2/\text{NDF}: 22714212497857002$
 Left In: -98.257 ± 0.000 $\chi^2/\text{NDF}: 620993776773093393033369428470792192.0/10$
 All: -0.854 ± 0.000 $\chi^2/\text{NDF}: 5019902274084$

dit_sam6_coil6_Ndata_mean vs Slug, Sign Corrected



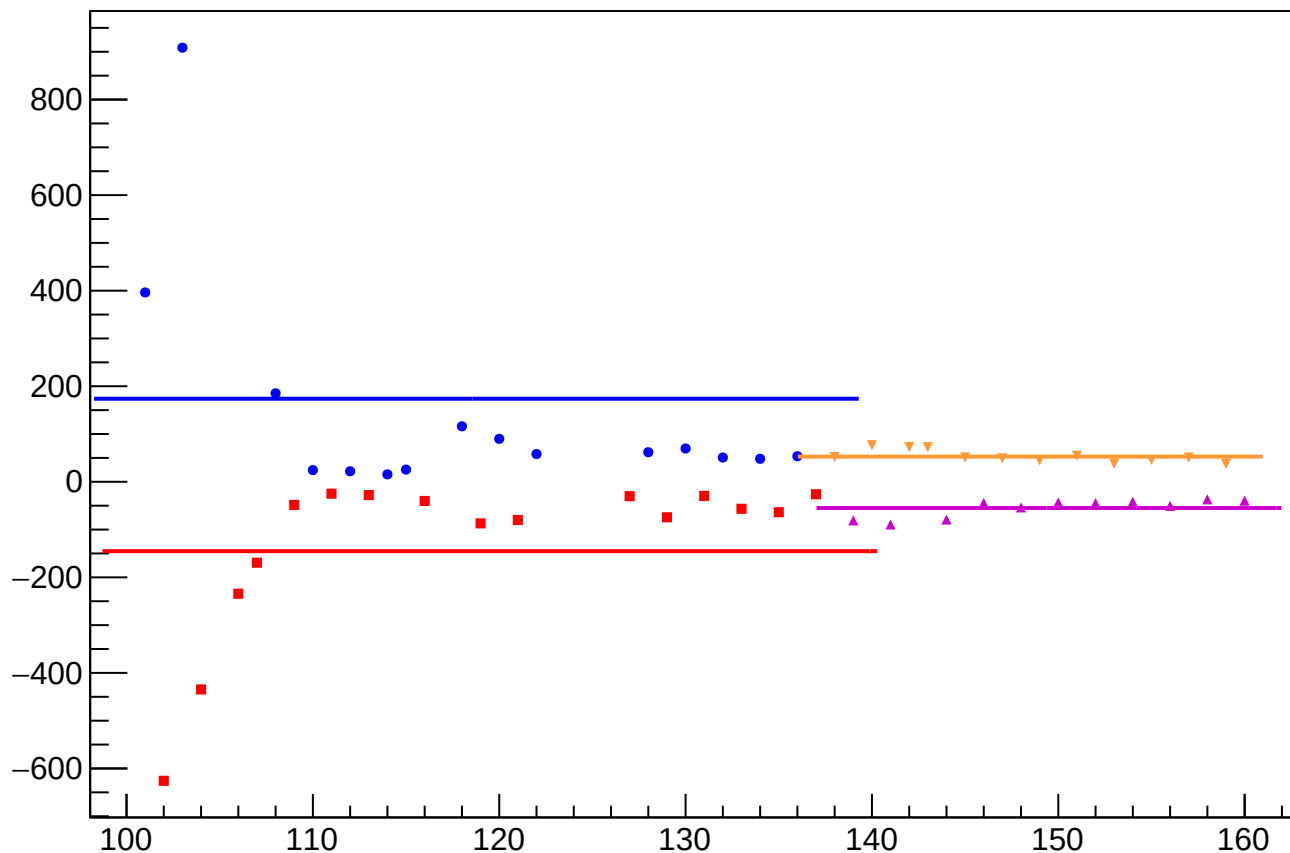
Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam7_coil6_mean vs Slug, Sign Corrected



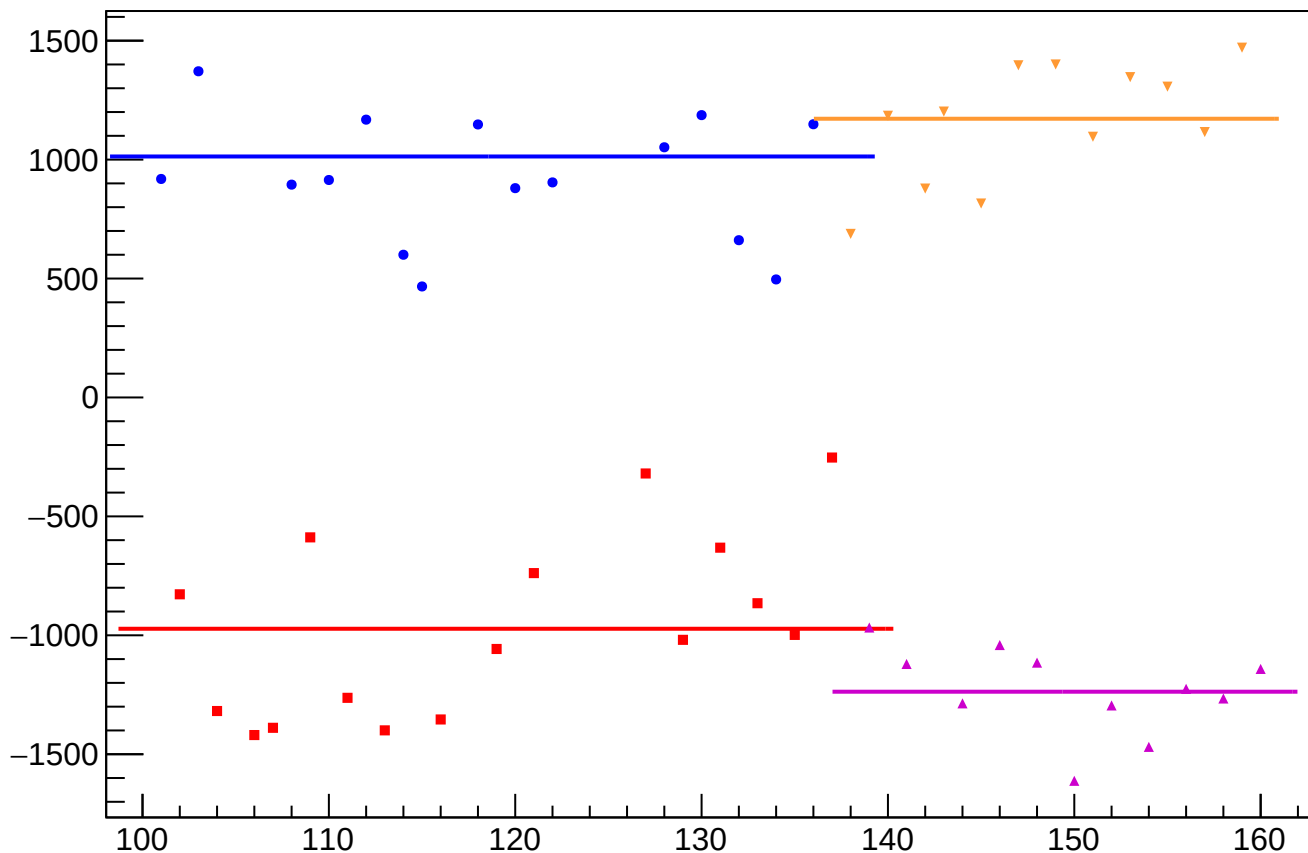
Right In: 285.856+/-0.000 χ^2/NDF : 24108244802355530064663311301086281728.0/14
 Left Out: 476.795+/-0.000 χ^2/NDF : 12695994824288000465906190934597435392.0/11
 Right Out: -272.539+/-0.000 χ^2/NDF : 44149952665075593650338713333575712768.0/15
 Left In: -488.203+/-0.000 χ^2/NDF : 13828831980358883653289432391973076992.0/10
 All: -3.669+/-0.000 χ^2/NDF : 6253273590333

dit_sam7_coil6_err_mean vs Slug, Sign Corrected



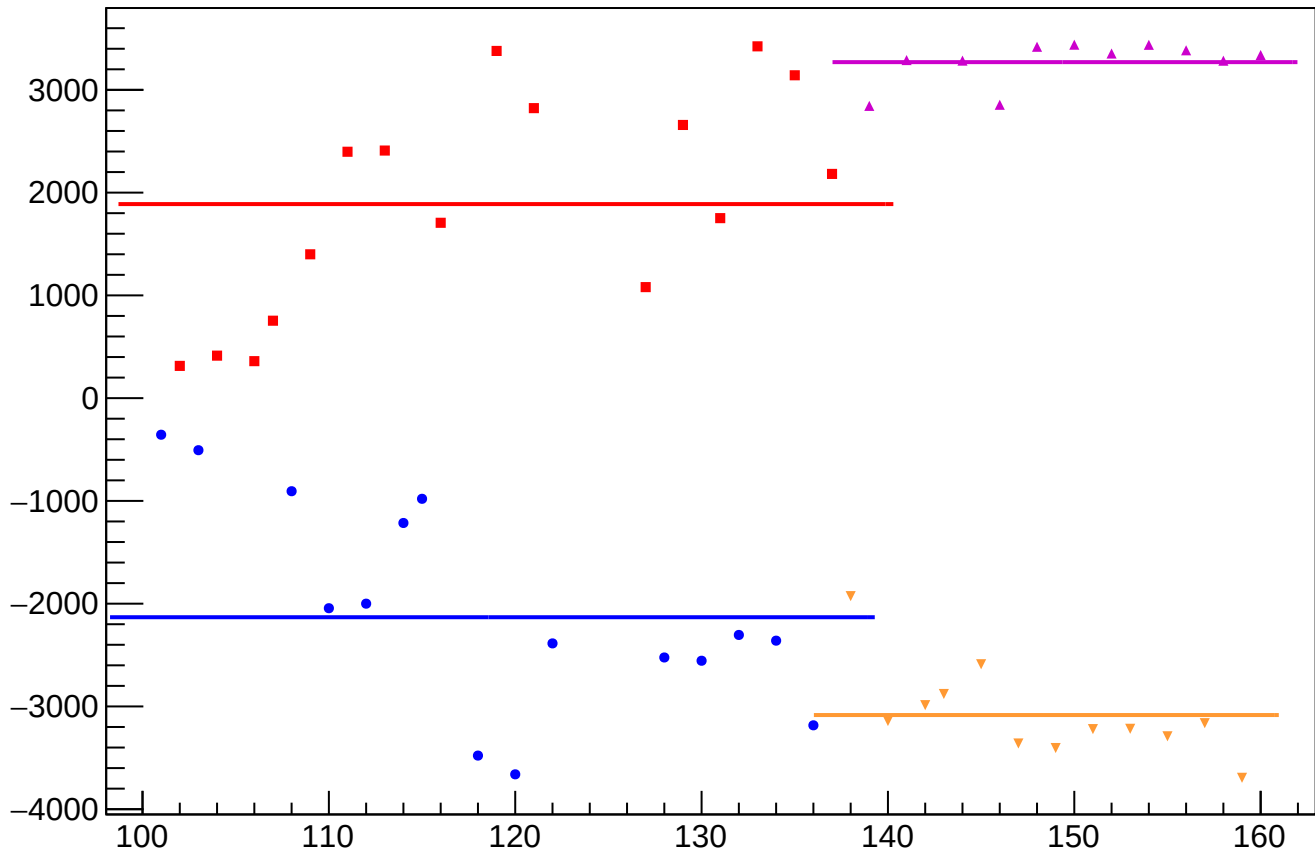
Left: -1.410+/-0.000 χ^2/NDF : 57550913372035412
 Right In: 173.871+/-0.000 χ^2/NDF : 41705473404466232613073704554990665728.0/14
 Right: 12.139+/-0.000 χ^2/NDF : 9772897307710637
 Left Out: 52.656+/-0.000 χ^2/NDF : 140159423385887976692066167541465088.0/11
 In: 39.493+/-0.000 χ^2/NDF : 619564021613478724
 Right Out: -145.228+/-0.000 χ^2/NDF : 22529615719408594720785265744437837824.0/15
 Out: -30.828+/-0.000 χ^2/NDF : 3776923807481634
 Left In: -54.891+/-0.000 χ^2/NDF : 300358274506113612486338175884591104.0/10
 All: 4.243+/-0.000 χ^2/NDF : 10362485342555

dit_sam7_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam8_coil6_mean vs Slug, Sign Corrected



Right In: -2131.905+/-0.000

Left Out: -3083.729+/-0.000

Right Out: 1888.448+/-0.000

Left In: 3269.755+/-0.000

χ^2/NDF : 722433384570495071131450661983670501376.0/14

χ^2/NDF : 178322677856663824149309206068860026880.0/11

χ^2/NDF : 791986665551980691032719862611769819136.0/15

χ^2/NDF : 38098096180391062431092176239781216256.0/10

Left: 110.297+/-0.000 χ^2/NDF : 1876439765485971

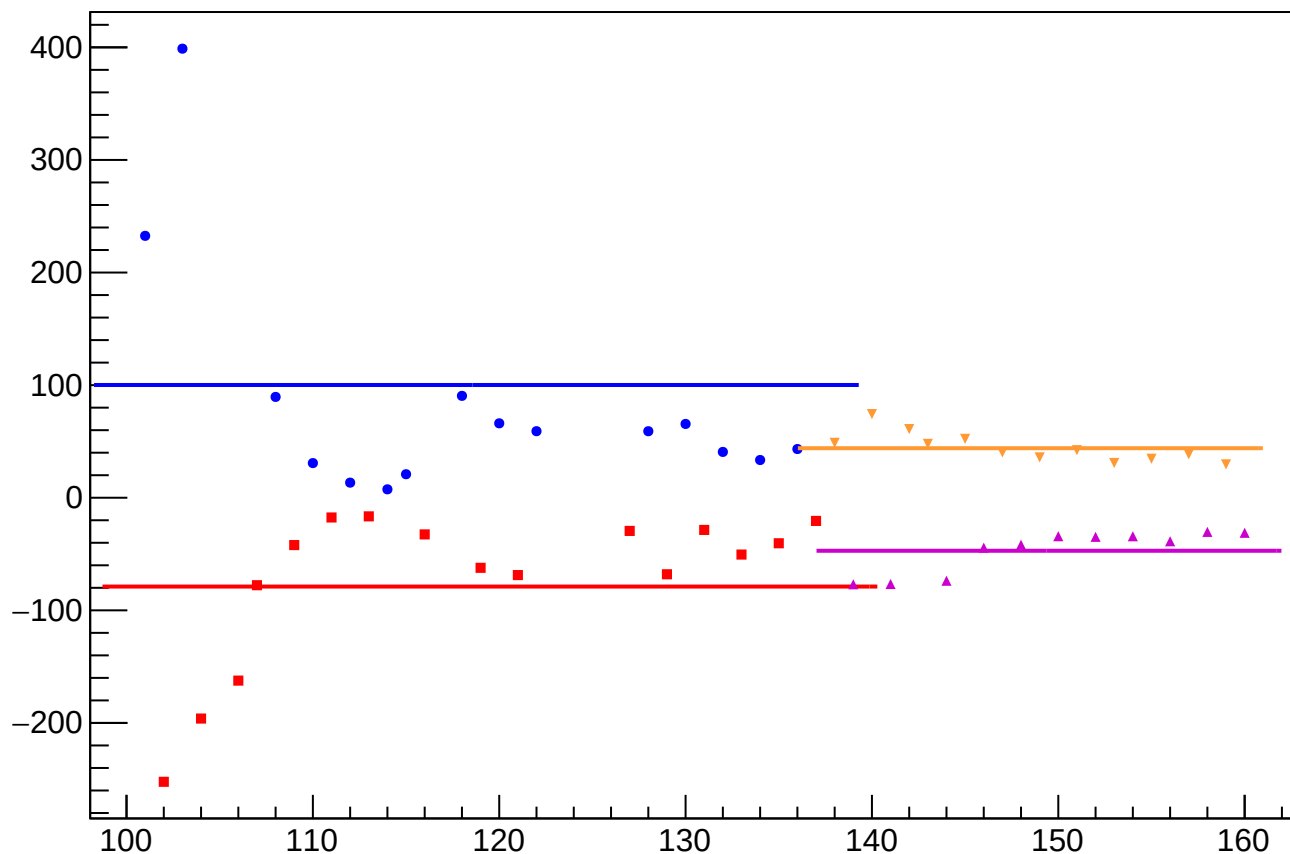
Right: -94.234+/-0.000 χ^2/NDF : 683113062504059

In: 1041.098+/-0.000 χ^2/NDF : 1188405782367471

Out: -986.042+/-0.000 χ^2/NDF : 105033900940683

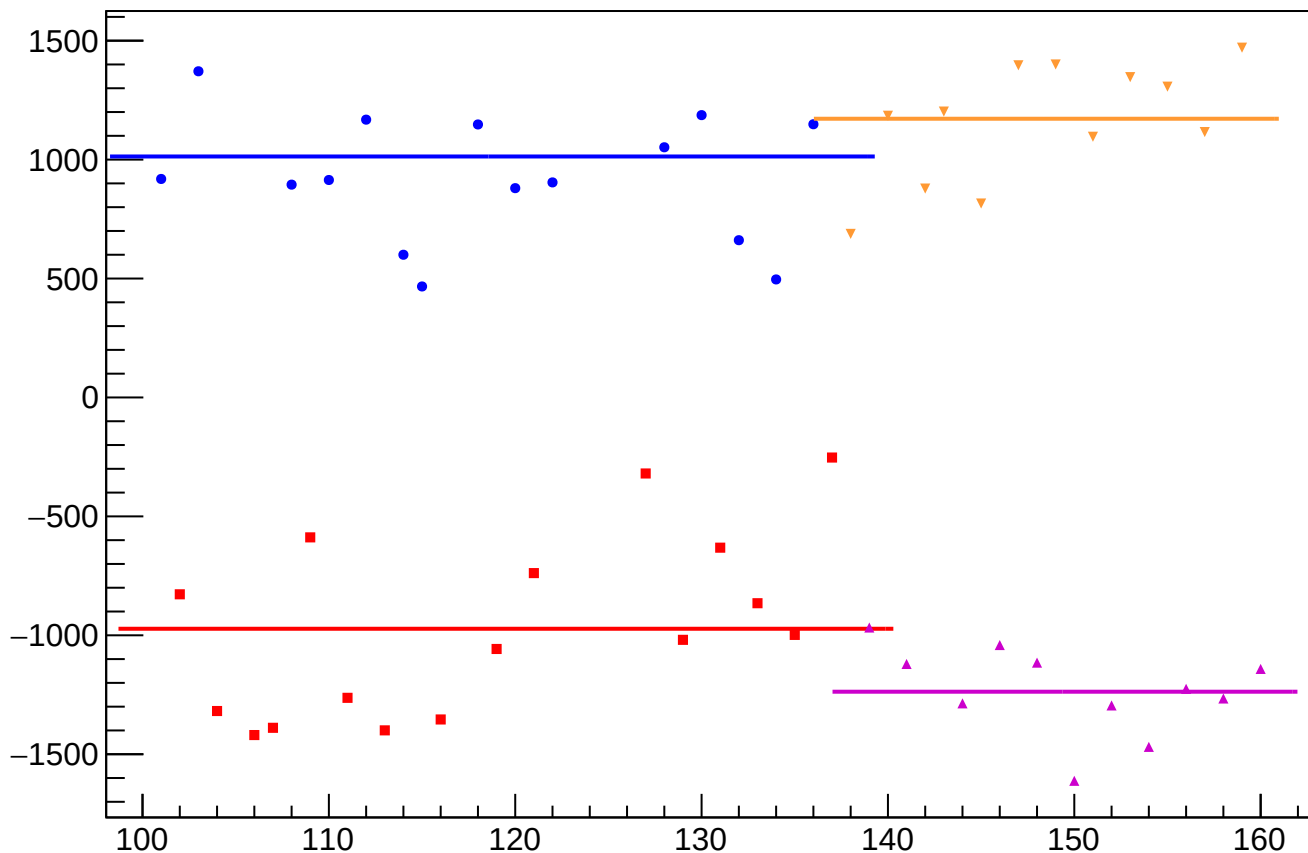
All: 24.957+/-0.000 χ^2/NDF : 2562760992420

dit_sam8_coil6_err_mean vs Slug, Sign Corrected



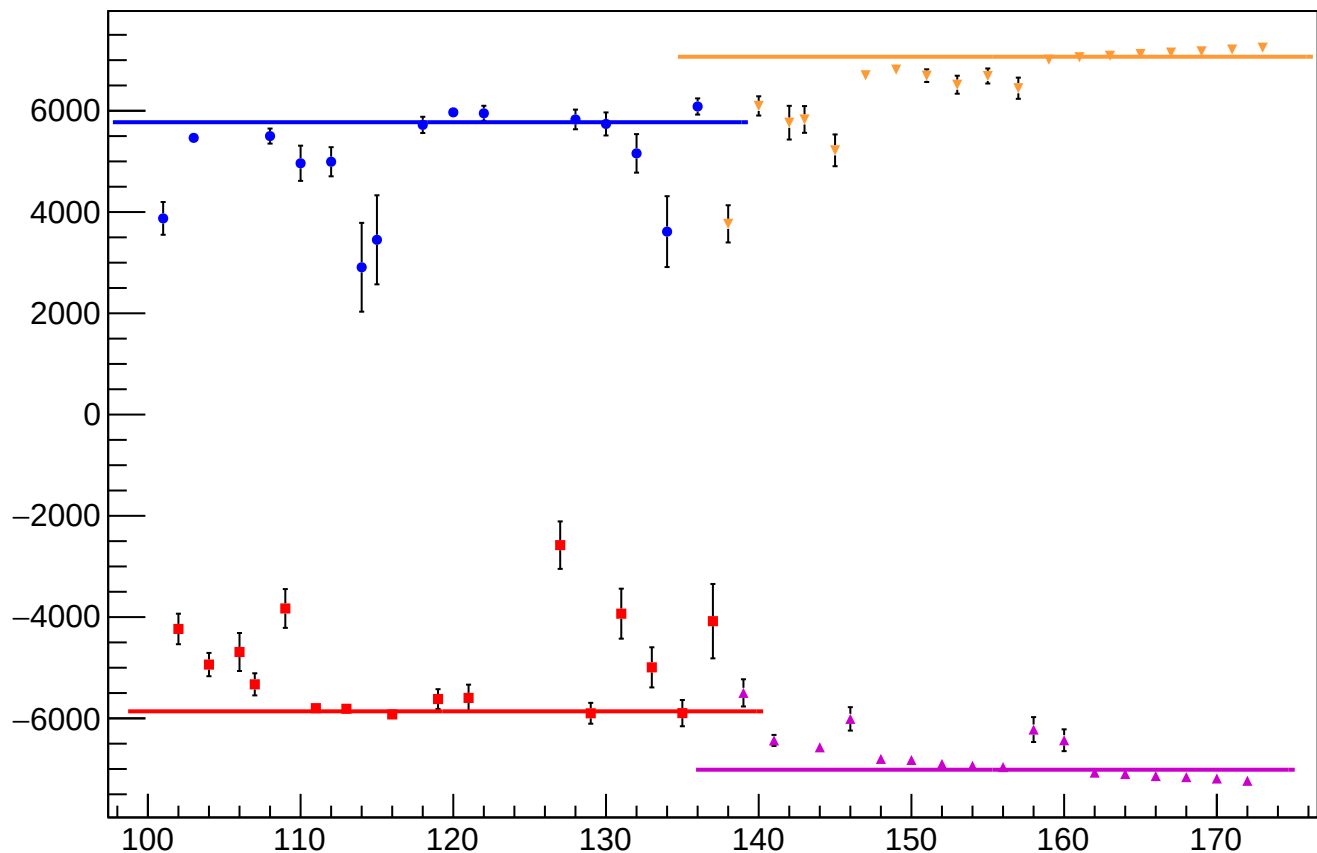
Right In: 100.135 +/- 0.000 χ^2/NDF : 7813910768784473081480373577053110272.0/14
 Left Out: 43.994 +/- 0.000 χ^2/NDF : 144038877087981194806470678002270208.0/11
 Right Out: -78.881 +/- 0.000 χ^2/NDF : 3525129078433901202304301512966275072.0/15
 Left In: -47.092 +/- 0.000 χ^2/NDF : 302550156086866534805447117402800128.0/10
 All: 2.876 +/- 0.000 χ^2/NDF : 26235515689479

dit_sam8_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_run_mean vs Slug, Sign Corrected



Right In: 5774.117 $\pm$ 0.181 χ^2 /NDF: 1828526.5/14

Left Out: 7067.553 $\pm$ 0.143 χ^2 /NDF: 1071782.9/18

Right Out: -5861.461 $\pm$ 0.140 χ^2 /NDF: 180020.4/15

Left In: -7014.543 $\pm$ 0.122 χ^2 /NDF: 1510058.6/16

Left: -1067.826 $\pm$ 0.093 χ^2 /NDF: 5596538045.6/35

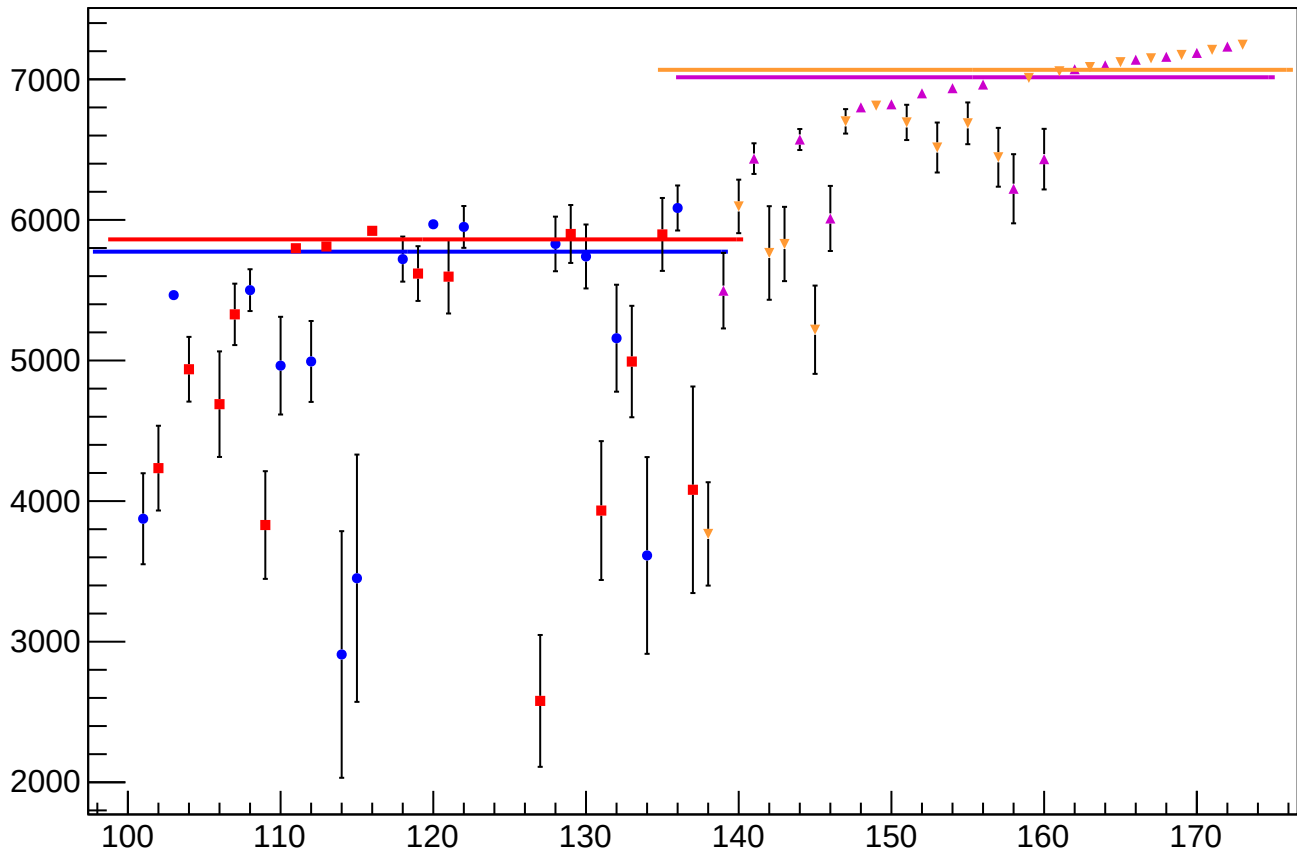
Right: -1536.191 $\pm$ 0.111 χ^2 /NDF: 2585354230.9/30

In: -3017.409 $\pm$ 0.101 χ^2 /NDF: 3418004381.5/31

Out: 441.521 $\pm$ 0.100 χ^2 /NDF: 4184300041.0/34

All: -1261.747 $\pm$ 0.071 χ^2 /NDF: 8192394293

dit_run_rms vs Slug, Sign Corrected



Right In: 5774.117+/-0.181 χ^2/NDF : 1828526.5/14

Left Out: 7067.553+/-0.143 χ^2/NDF : 1071782.9/18

Right Out: 5861.461+/-0.140 χ^2/NDF : 180020.4/15

Left In: 7014.543+/-0.122 χ^2/NDF : 1510058.6/16

Left: 7036.929+/-0.093 χ^2/NDF : 2661109.5/35

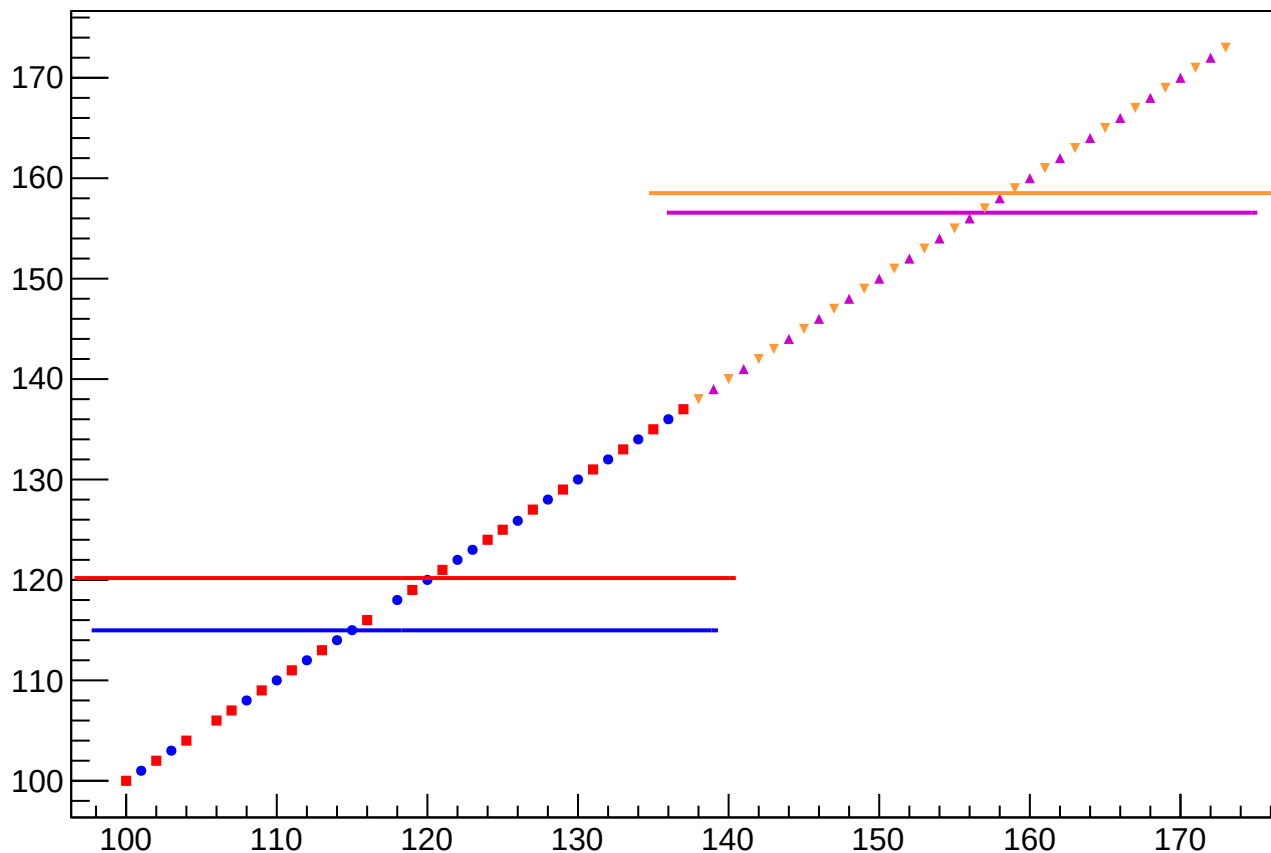
Right: 5828.993+/-0.111 χ^2/NDF : 2154118.4/30

In: 6626.844+/-0.101 χ^2/NDF : 35463367.2/31

Out: 6449.439+/-0.100 χ^2/NDF : 37653608.3/34

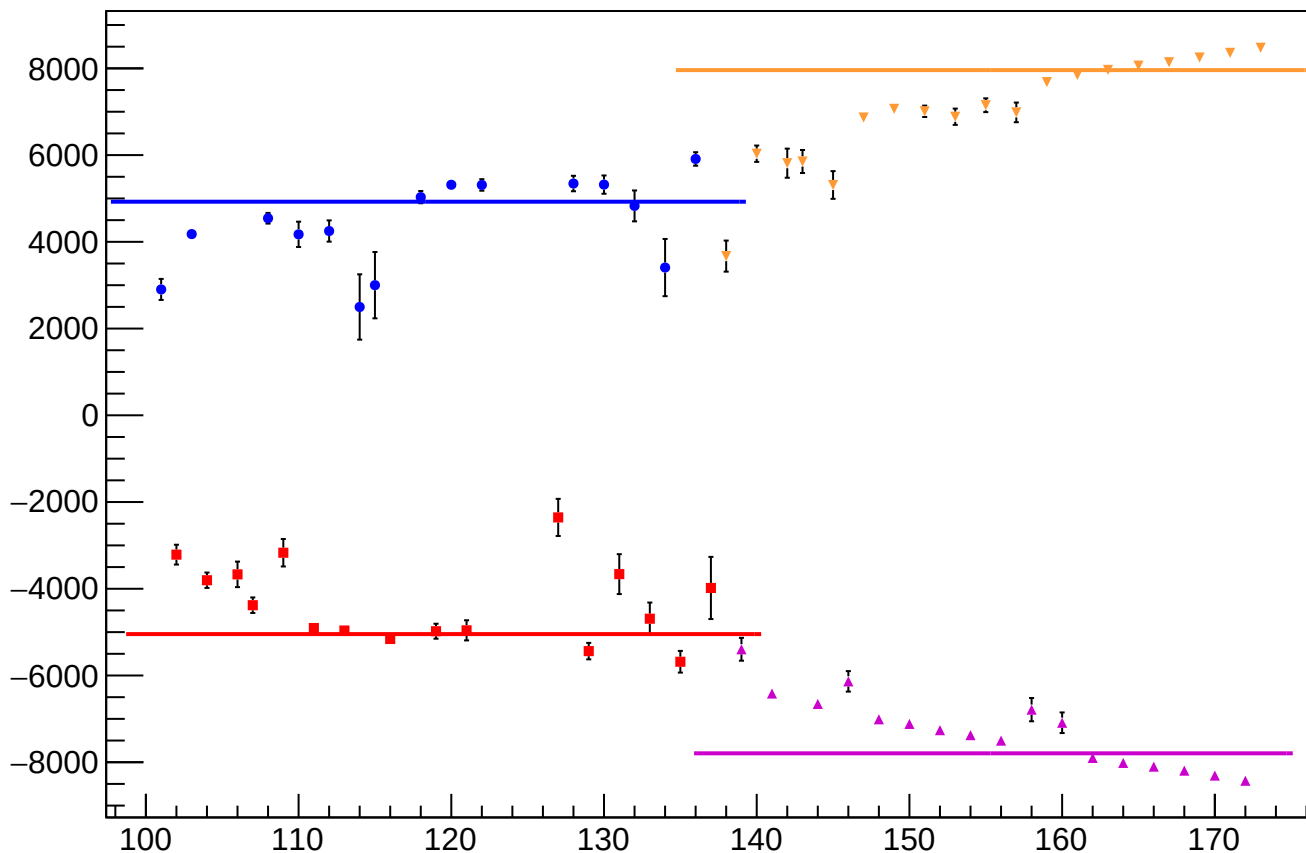
All: 6536.798+/-0.071 χ^2/NDF : 74669243.0/6

dit_slug_slope vs Slug, Sign Corrected



Right In: 114.980+/-0.000 χ^2/NDF : 112344936246012934714934440230912.0/16
 Left Out: 158.516+/-0.000 χ^2/NDF : 81132188890785263948948767244288.0/18
 Right Out: 120.186+/-0.000 χ^2/NDF : 52233253644261695528198041763840.0/18
 Left In: 156.569+/-0.000 χ^2/NDF : 59526516702376070301054257856512.0/16
 All: 133.783+/-0.000 χ^2/NDF : 200044793052

dit_cyclenum_mean vs Slug, Sign Corrected



Right In: 4925.305 $\pm$ 0.939 χ^2 /NDF: 330994.6/14

Left Out: 7959.773 $\pm$ 0.550 χ^2 /NDF: 605853.4/18

Right Out: -5045.221 $\pm$ 0.668 χ^2 /NDF: 30179.9/15

Left In: -7794.547 $\pm$ 0.490 χ^2 /NDF: 979137.8/16

Left: -831.531 $\pm$ 0.366 χ^2 /NDF: 459192606.4/35

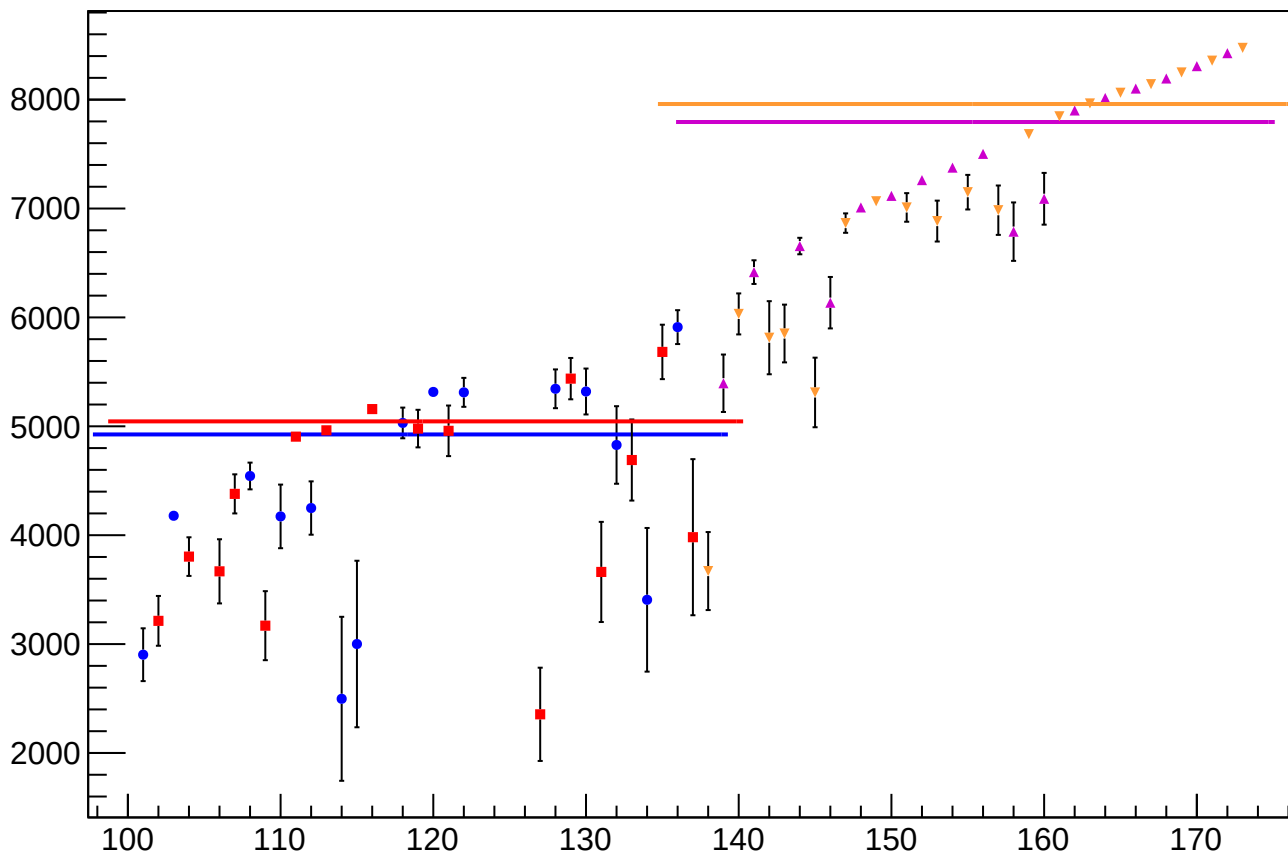
Right: -1694.510 $\pm$ 0.544 χ^2 /NDF: 75266282.5/30

In: -5074.173 $\pm$ 0.434 χ^2 /NDF: 145656831.1/31

Out: 2702.287 $\pm$ 0.425 χ^2 /NDF: 226542460.9/34

All: -1100.064 $\pm$ 0.304 χ^2 /NDF: 536191261.4

dit_cyclenum_rms vs Slug, Sign Corrected



Right In: 4925.305+/-0.939 χ^2/NDF : 330994.6/14

Left Out: 7959.773+/-0.550 χ^2/NDF : 605853.4/18

Right Out: 5045.221+/-0.668 χ^2/NDF : 30179.9/15

Left In: 7794.547+/-0.490 χ^2/NDF : 979137.8/16

Left: 7867.573+/-0.366 χ^2/NDF : 1635324.1/35

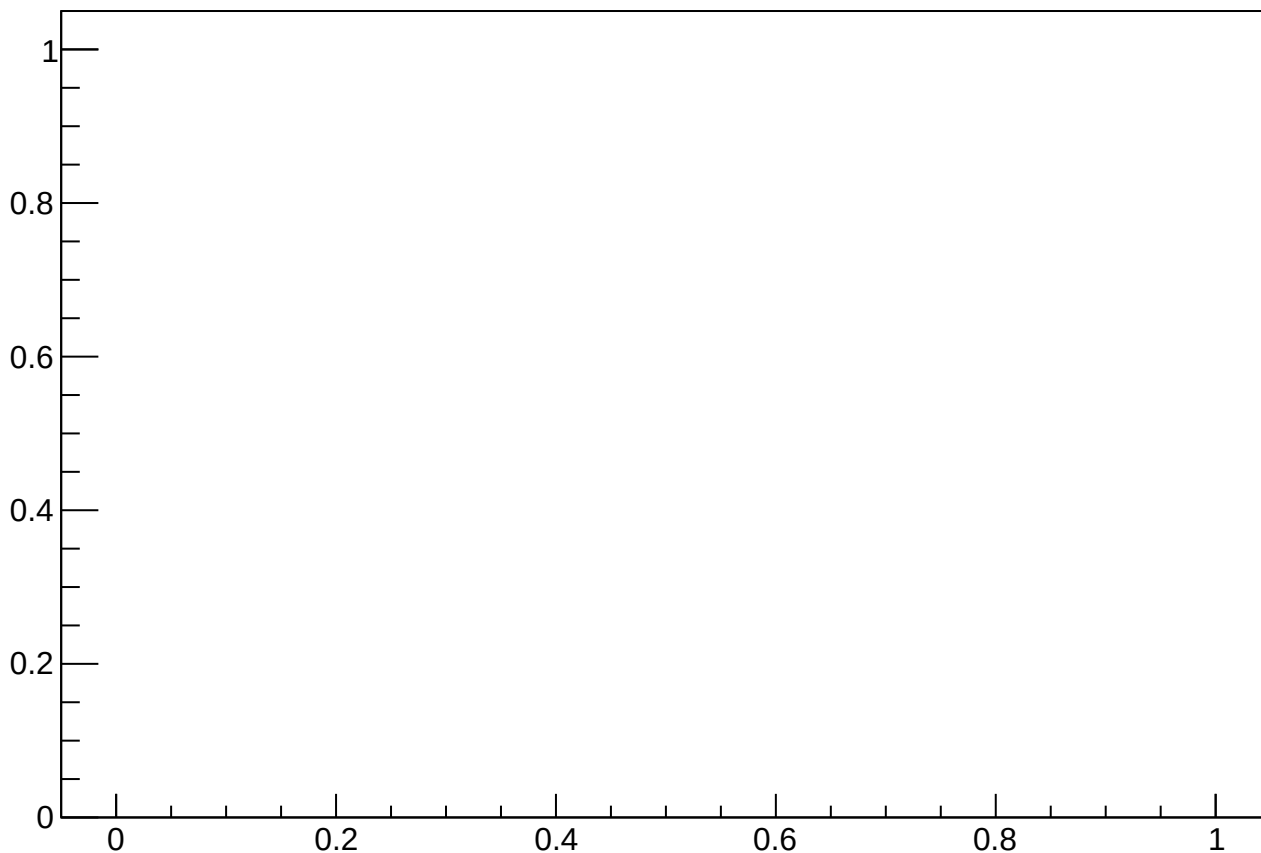
Right: 5004.922+/-0.544 χ^2/NDF : 372009.4/30

In: 7180.907+/-0.434 χ^2/NDF : 8654880.6/31

Out: 6781.517+/-0.425 χ^2/NDF : 11982270.8/34

All: 6976.801+/-0.304 χ^2/NDF : 21069718.3/66

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

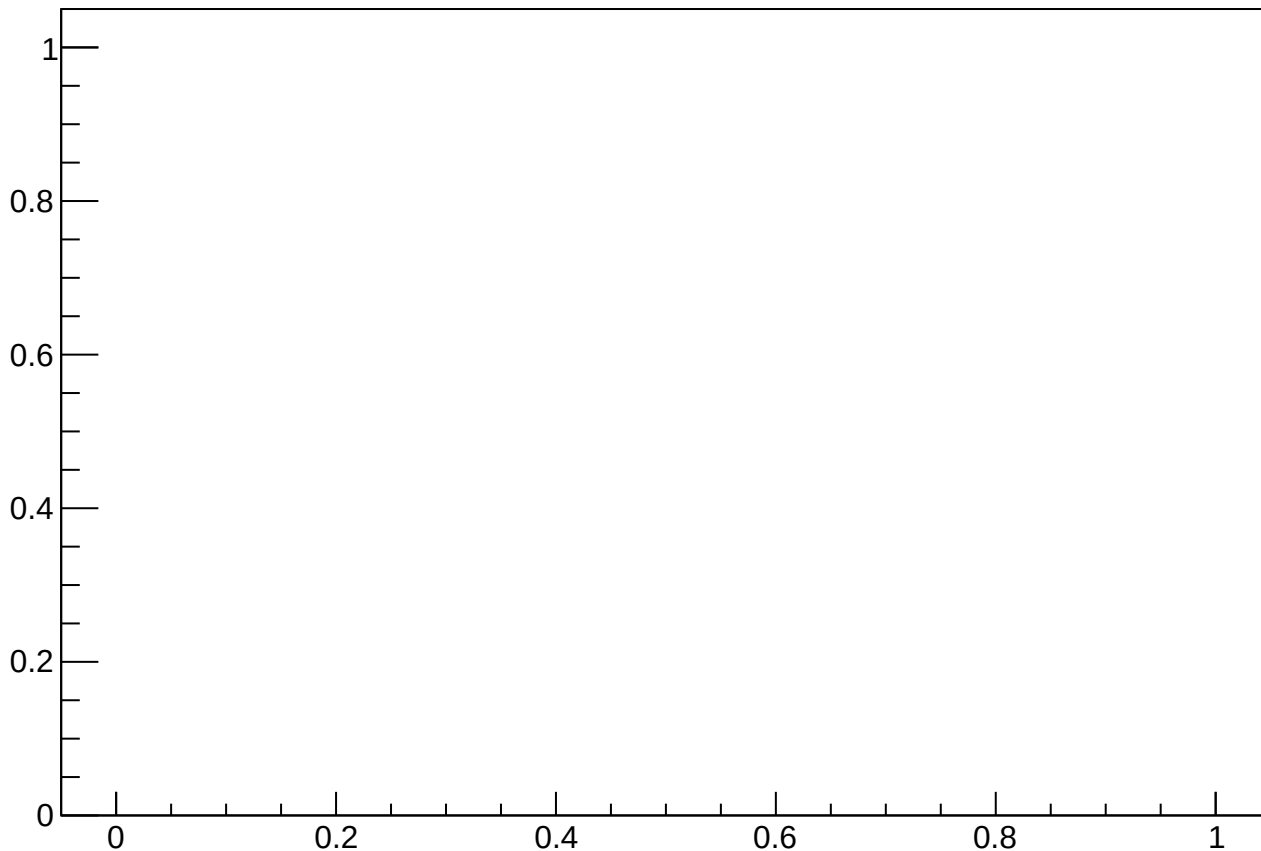
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

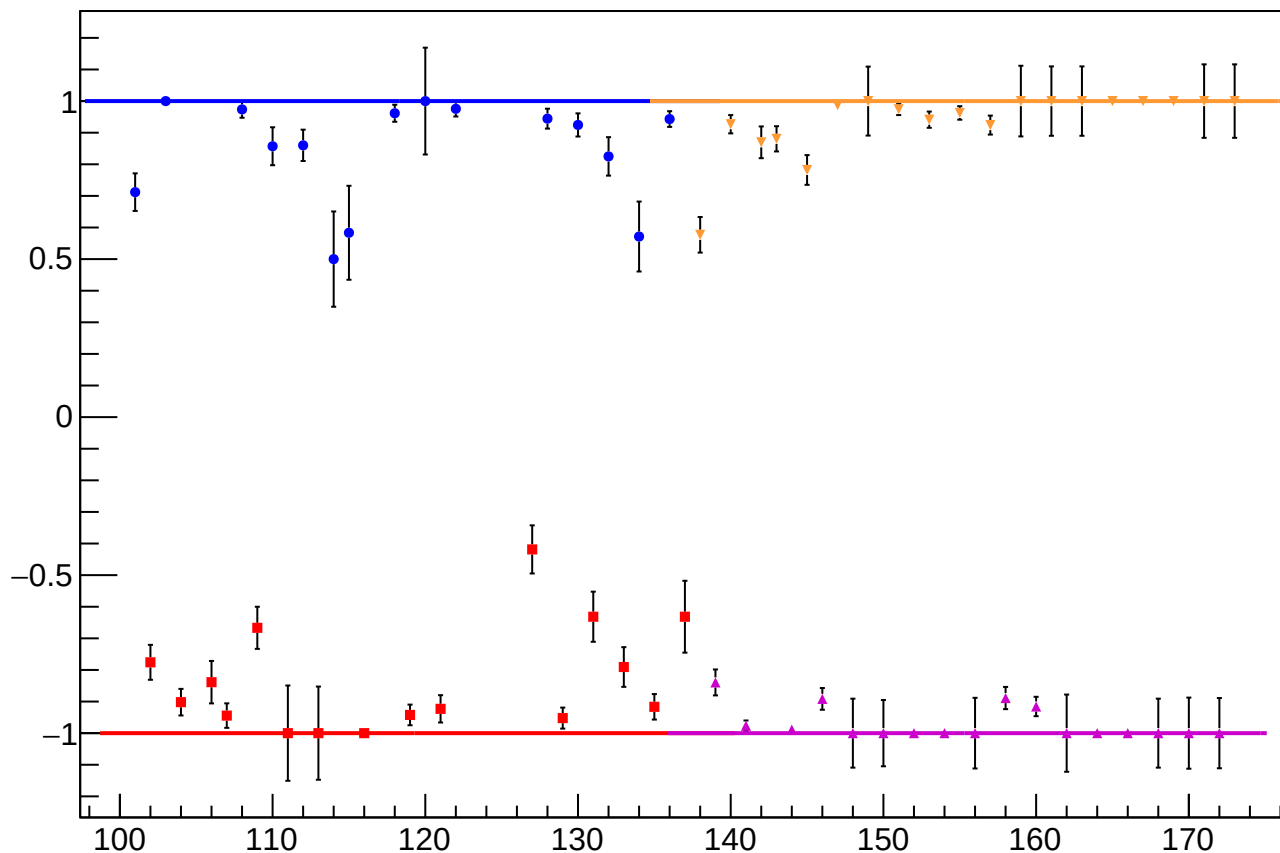
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

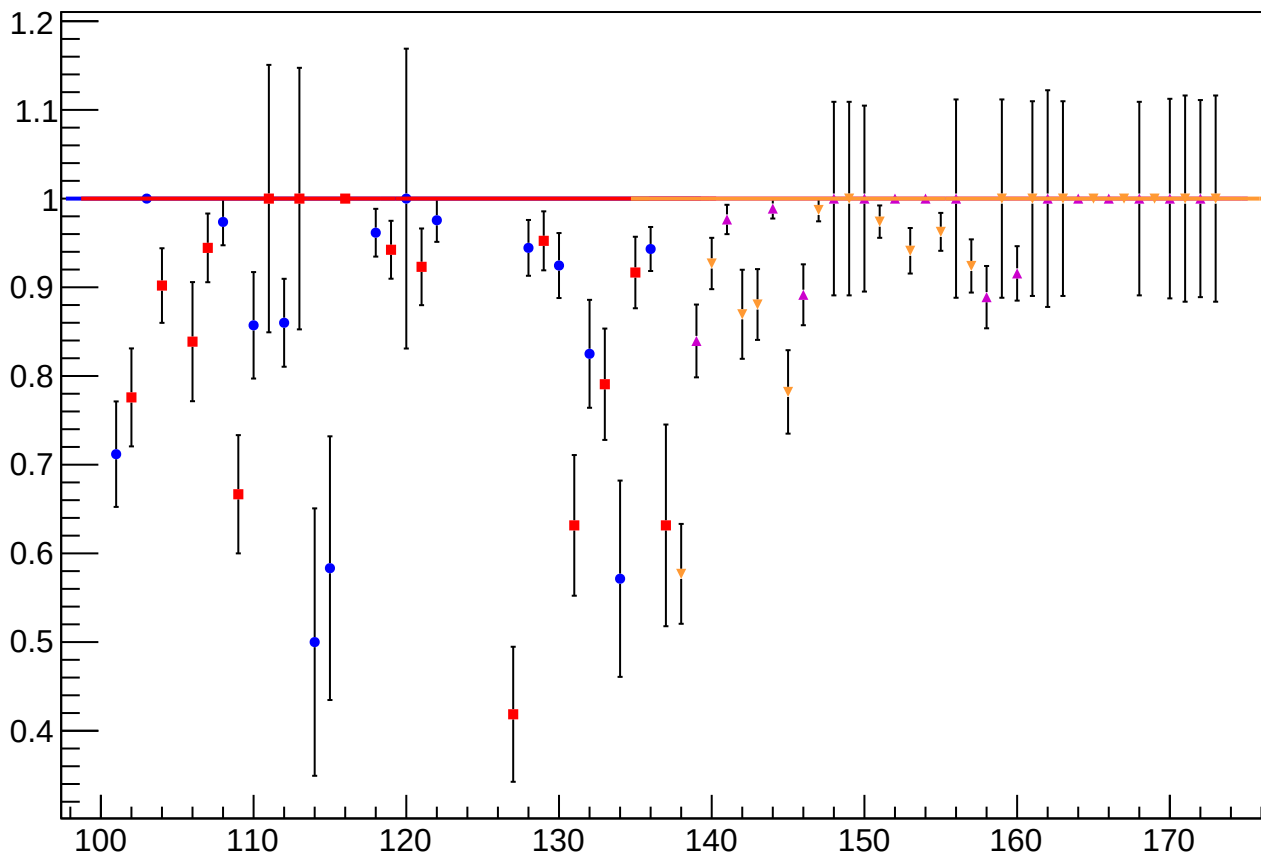
Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_flag_mean vs Slug, Sign Corrected



dit_flag_rms vs Slug, Sign Corrected



Right In: 1.000 ± 0.000 χ^2/NDF : 95.9/14

Left Out: 1.000 ± 0.000 χ^2/NDF : 176.8/18

Right Out: 1.000 ± 0.000 χ^2/NDF : 168.9/15

Left In: 1.000 ± 0.000 χ^2/NDF : 1081.3/16

Left: 1.000 ± 0.000 χ^2/NDF : 690.6/35

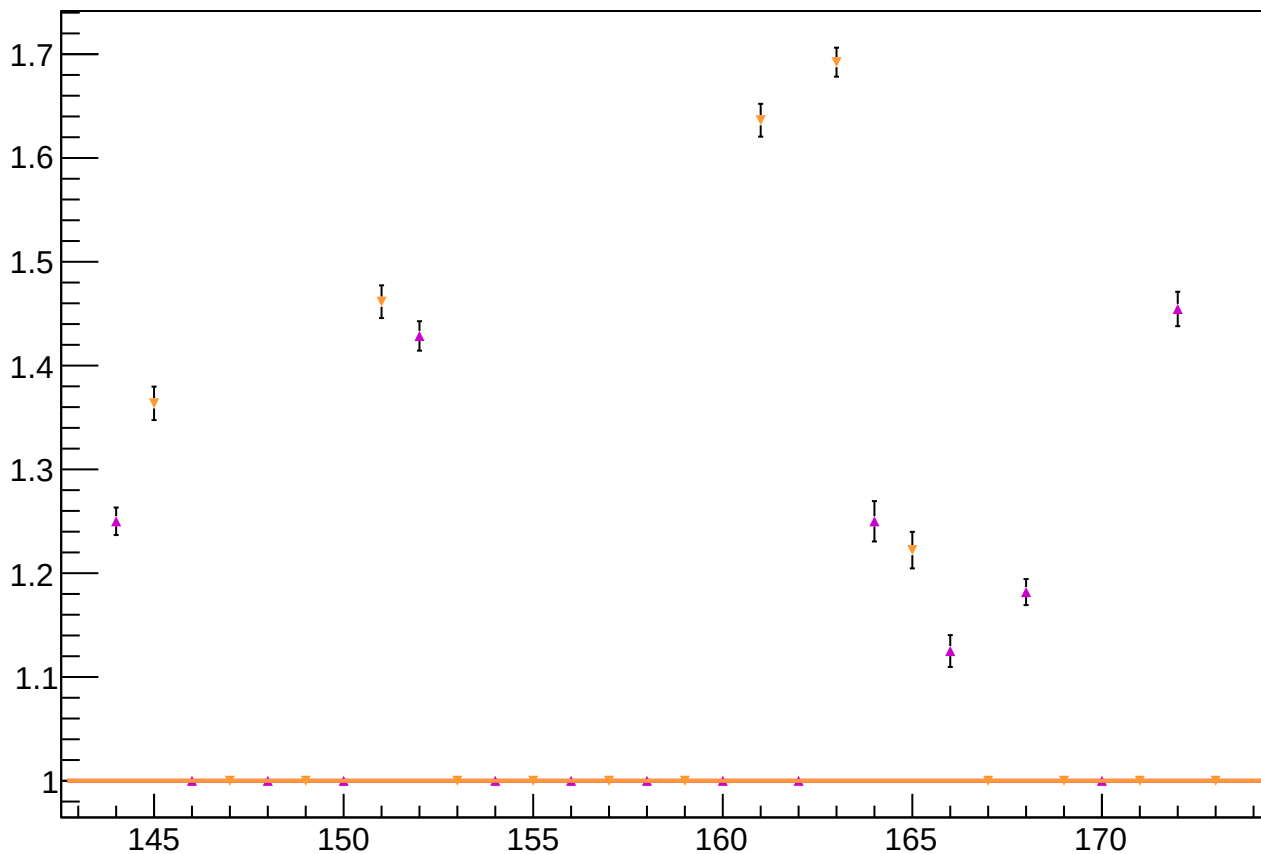
Right: 1.000 ± 0.000 χ^2/NDF : 347.8/30

In: 1.000 ± 0.000 χ^2/NDF : 491.7/31

Out: 1.000 ± 0.000 χ^2/NDF : 1465.7/34

All: 1.000 ± 0.000 χ^2/NDF : 1022.4/66

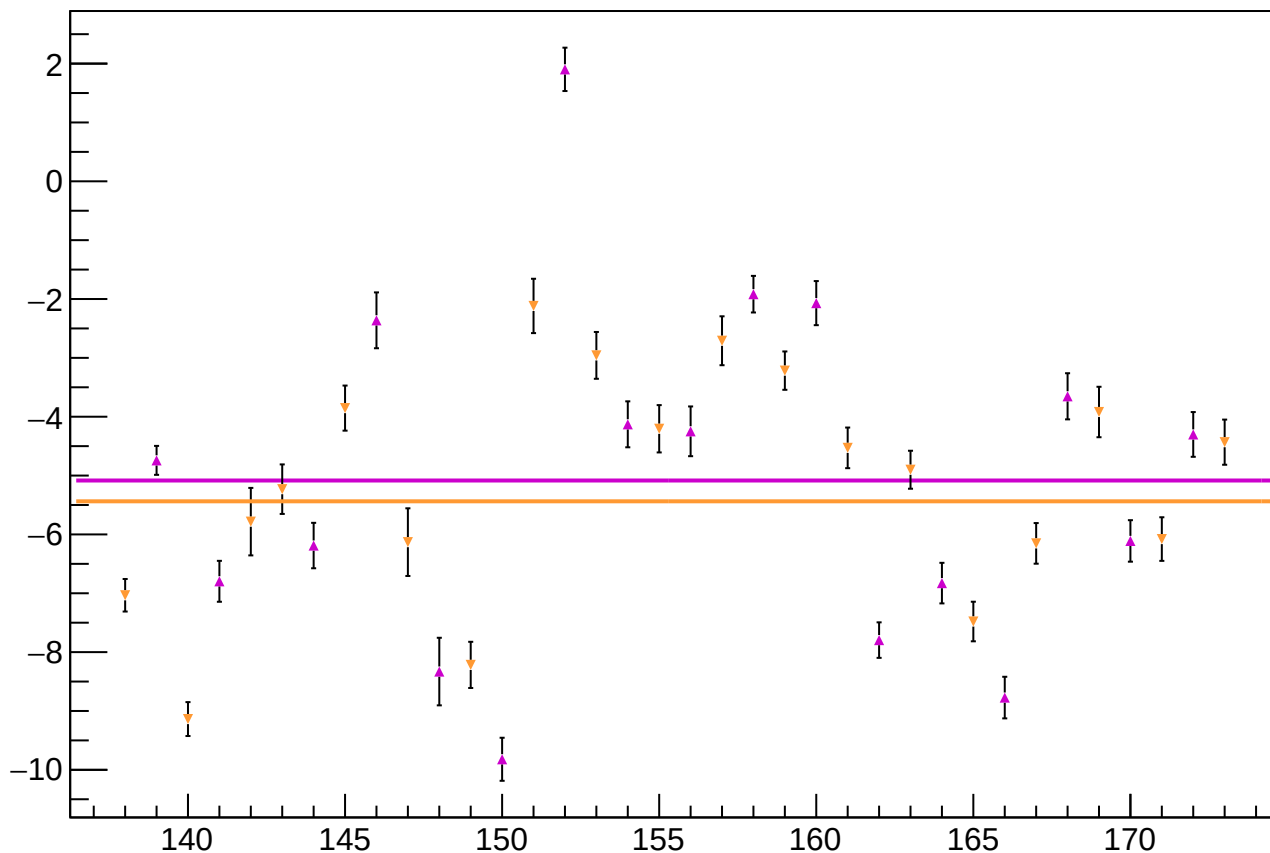
dit_segment_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: 1.000+/-0.000 χ^2/NDF : 6401.6/14
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: 1.000+/-0.000 χ^2/NDF : 3204.0/14

Left: 1.000+/-0.000 χ^2/NDF : 12009.5/29
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
In: 1.000+/-0.000 χ^2/NDF : 3204.0/14
Out: 1.000+/-0.000 χ^2/NDF : 6401.6/14
All: 1.000+/-0.000 χ^2/NDF : 12009.5/29

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -5.437 $\pm$ 0.085 χ^2 /NDF:530.4/18

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

Left In: -5.084 $\pm$ 0.087 χ^2 /NDF:1046.3/16

Left: -5.264 $\pm$ 0.061 χ^2 /NDF: 1585.1/35

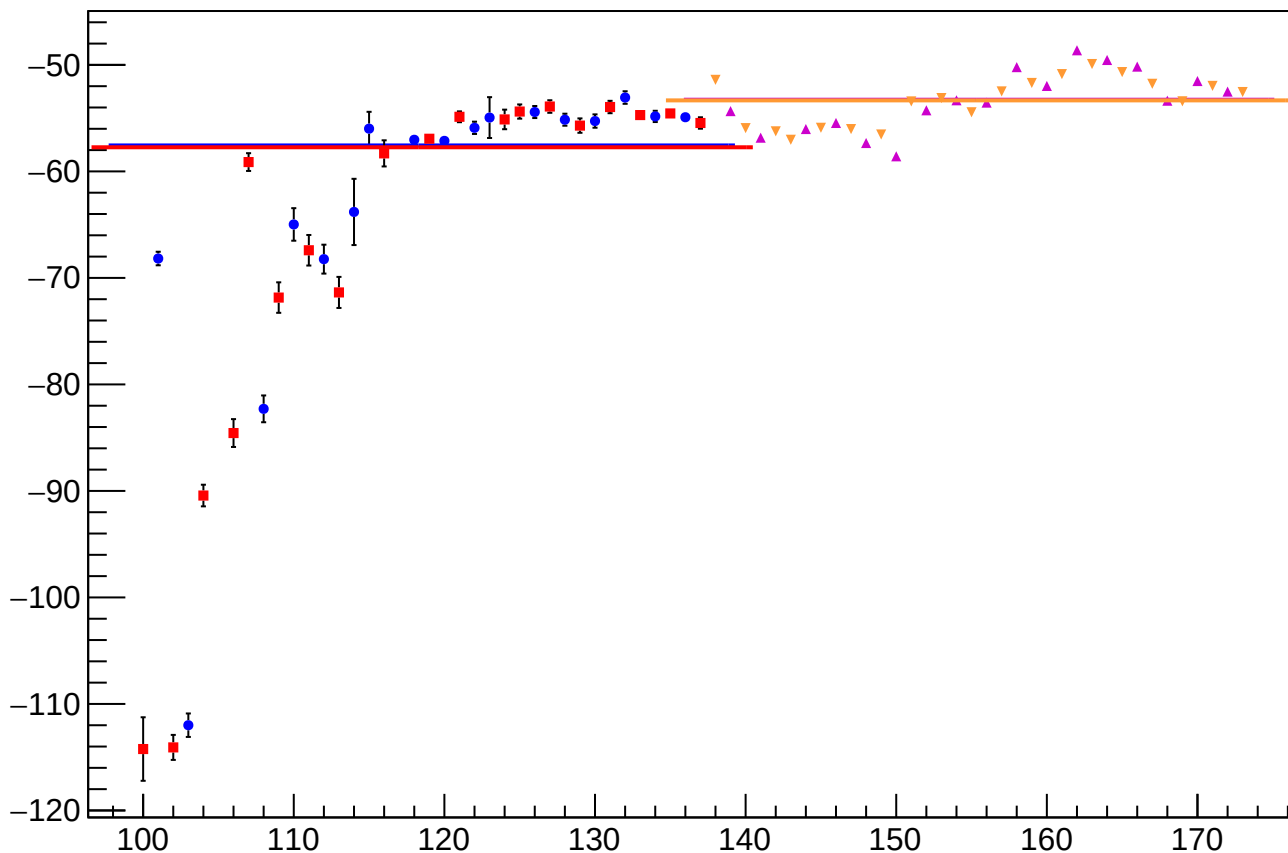
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -5.084 $\pm$ 0.087 χ^2 /NDF:1046.3/16

Out: -5.437 $\pm$ 0.085 χ^2 /NDF:530.4/18

All: -5.264 $\pm$ 0.061 χ^2 /NDF: 1585.1/35

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.563 ± 0.141 χ^2/NDF : 3455.9/16

Left Out: -53.332 ± 0.064 χ^2/NDF : 1201.2/18

Right Out: -57.736 ± 0.143 χ^2/NDF : 4698.4/18

Left In: -53.271 ± 0.067 χ^2/NDF : 1928.9/16

Left: -53.303 ± 0.046 χ^2/NDF : 3130.5/35

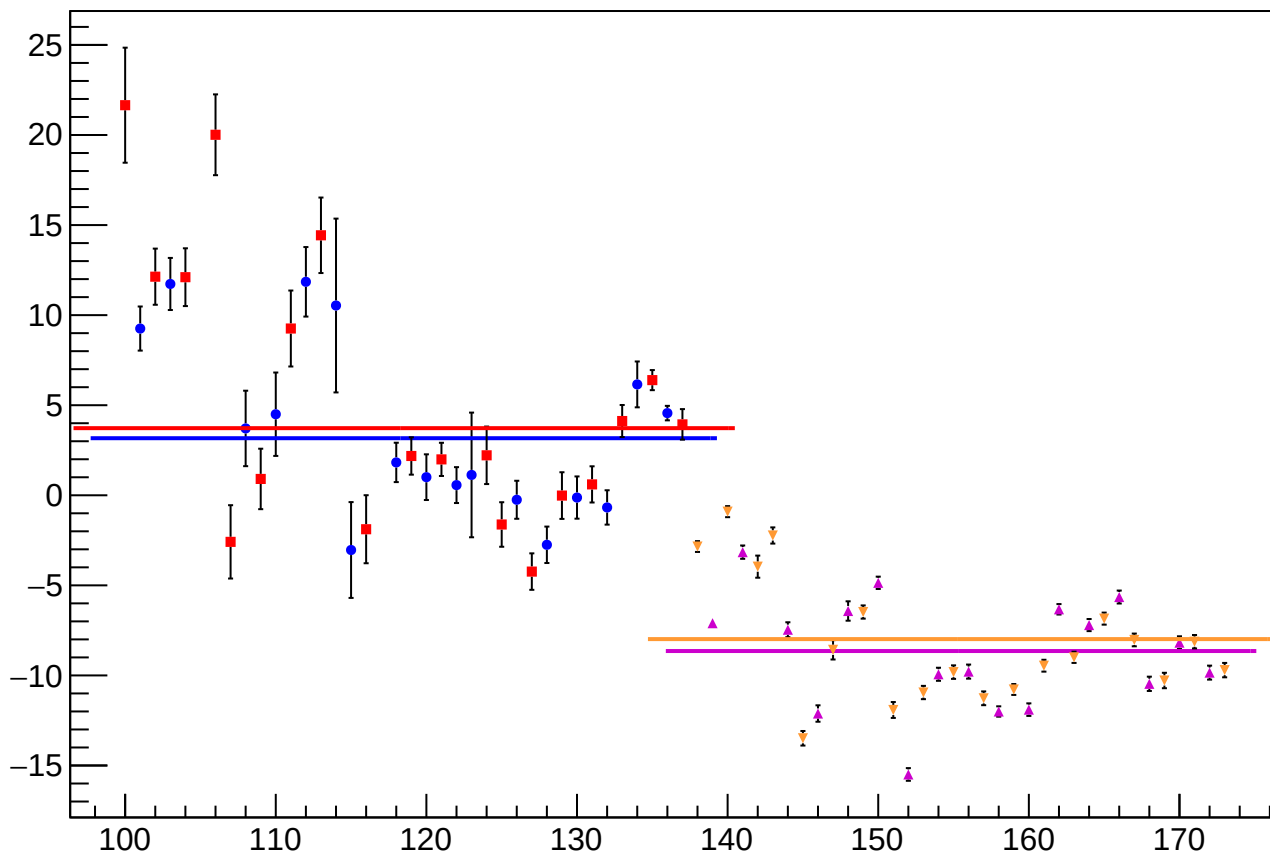
Right: -57.649 ± 0.101 χ^2/NDF : 8155.1/35

In: -54.059 ± 0.061 χ^2/NDF : 6136.6/33

Out: -54.068 ± 0.058 χ^2/NDF : 6689.4/37

All: -54.063 ± 0.042 χ^2/NDF : 12825.9/71

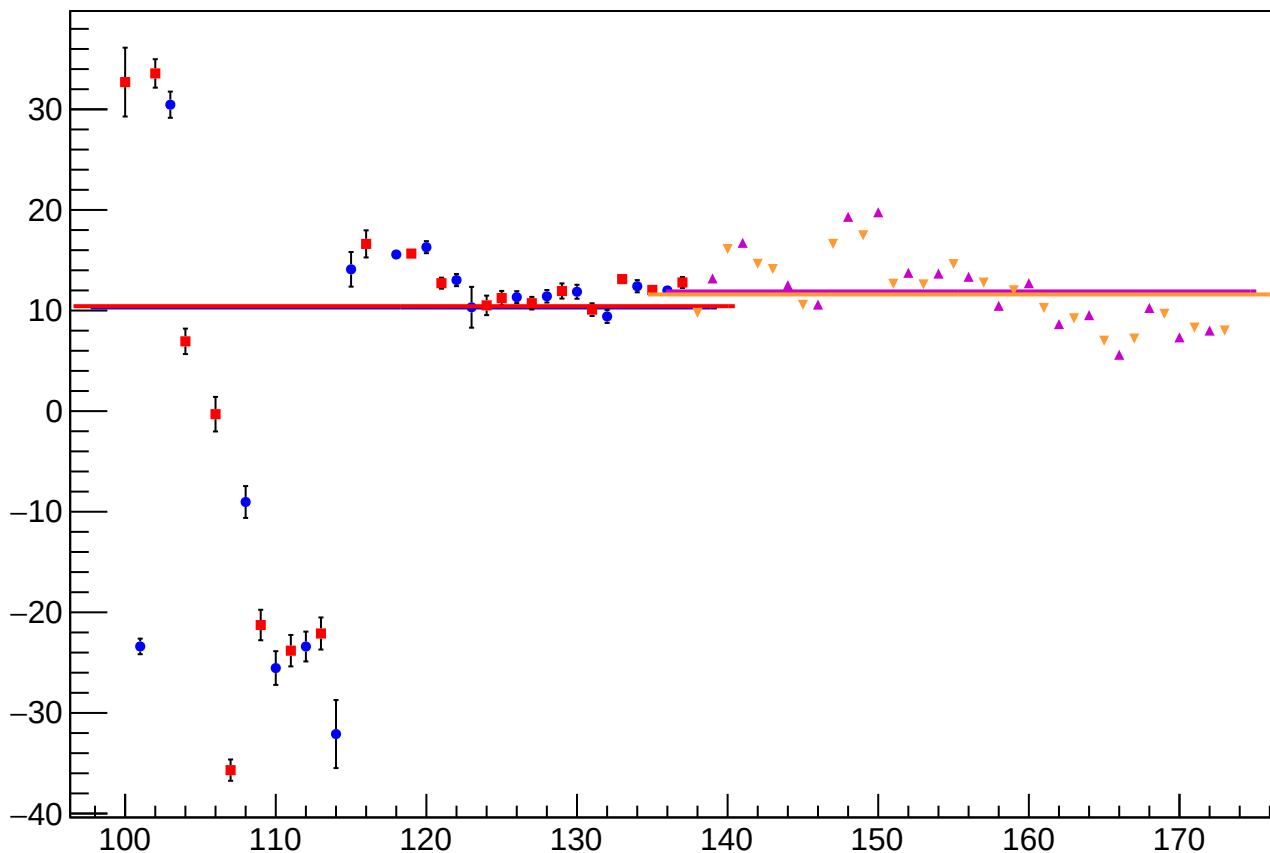
reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.168 $\pm$ 0.258 χ^2 /NDF: 186.2/16
 Left Out: -7.983 $\pm$ 0.085 χ^2 /NDF:1651.6/18
 Right Out: 3.726 $\pm$ 0.267 χ^2 /NDF: 323.3/18
 Left In: -8.646 $\pm$ 0.086 χ^2 /NDF:1266.5/16

Left: -8.311 $\pm$ 0.060 χ^2 /NDF: 2948.3/35
 Right: 3.437 $\pm$ 0.185 χ^2 /NDF: 511.7/35
 In: -7.469 $\pm$ 0.081 χ^2 /NDF:3344.6/33
 Out: -6.911 $\pm$ 0.081 χ^2 /NDF:3720.9/37
 All: -7.188 $\pm$ 0.057 χ^2 /NDF: 7089.1/71

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.306 $\pm$ 0.157 χ^2 /NDF: 3712.3/16

Left Out: 11.602 $\pm$ 0.072 χ^2 /NDF:1823.1/18

Right Out: 10.433 $\pm$ 0.160 χ^2 /NDF: 3828.5/18

Left In: 11.897 $\pm$ 0.075 χ^2 /NDF:2494.4/16

Left: 11.744 $\pm$ 0.052 χ^2 /NDF: 4325.5/35

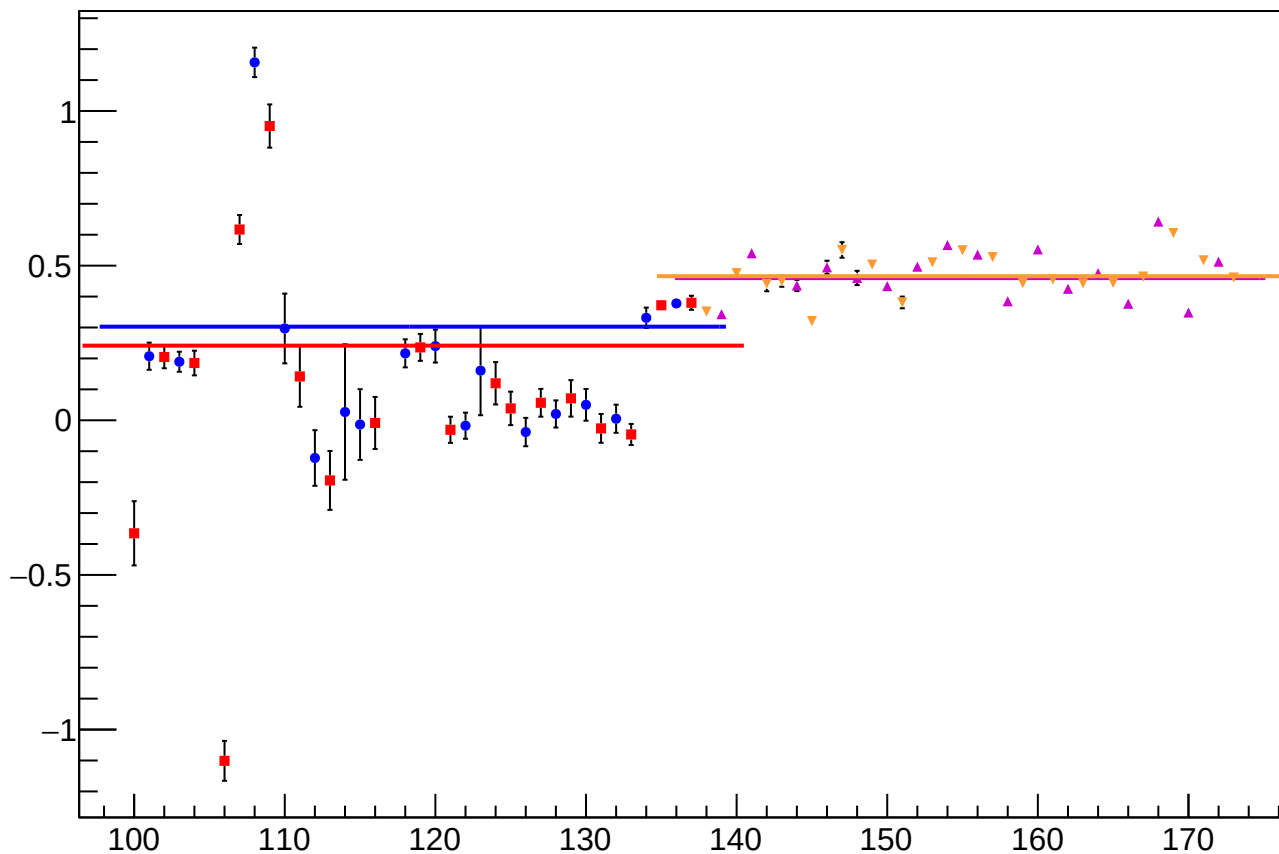
Right: 10.368 $\pm$ 0.112 χ^2 /NDF: 7541.1/35

In: 11.599 $\pm$ 0.068 χ^2 /NDF:6290.4/33

Out: 11.403 $\pm$ 0.066 χ^2 /NDF:5695.9/37

All: 11.498 $\pm$ 0.047 χ^2 /NDF: 11990.7/71

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.303 $\pm$ 0.008 χ^2 /NDF: 646.6/16

Left Out: 0.466 $\pm$ 0.003 χ^2 /NDF:401.7/18

Right Out: 0.241 $\pm$ 0.008 χ^2 /NDF: 986.7/18

Left In: 0.460 $\pm$ 0.003 χ^2 /NDF:684.5/16

Left: 0.463 $\pm$ 0.002 χ^2 /NDF: 1088.0/35

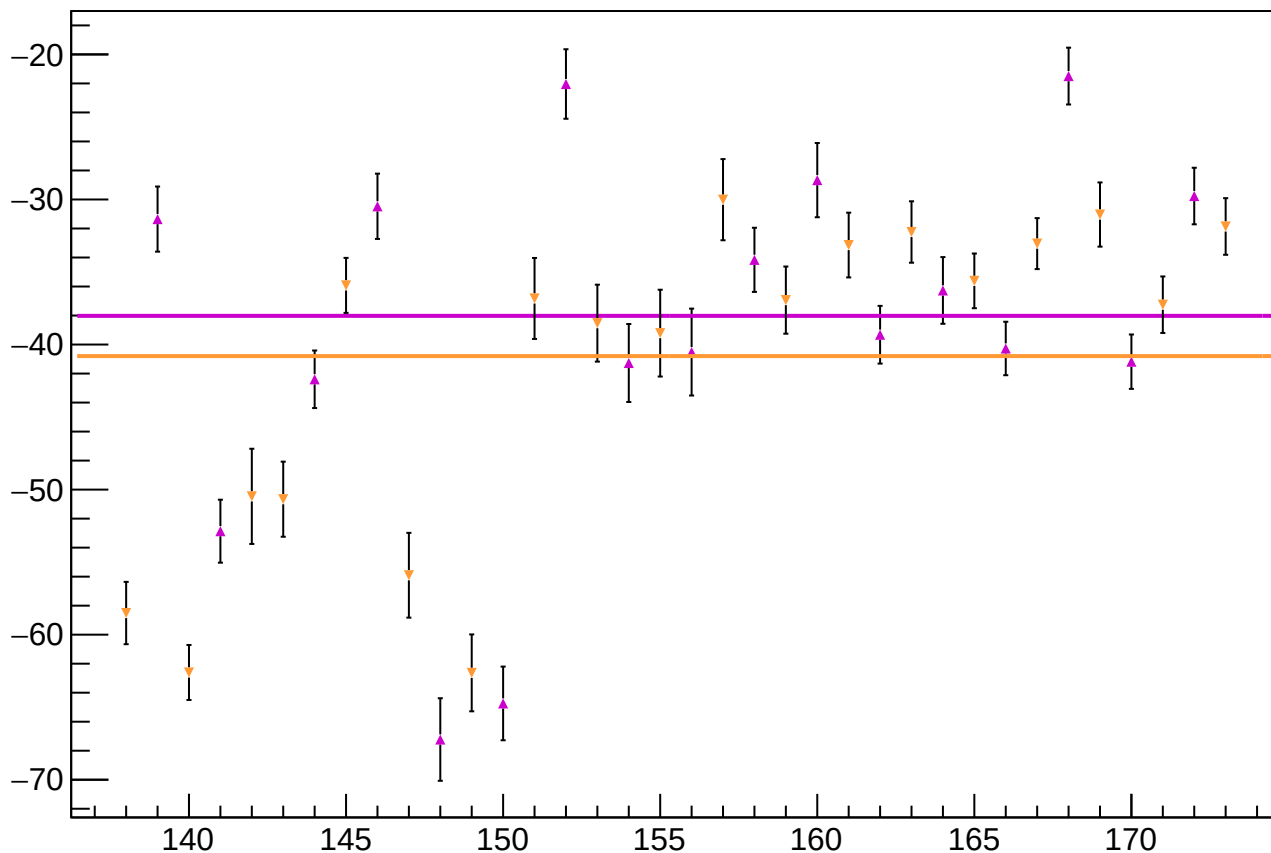
Right: 0.273 $\pm$ 0.006 χ^2 /NDF: 1660.4/35

In: 0.438 $\pm$ 0.003 χ^2 /NDF:1647.5/33

Out: 0.437 $\pm$ 0.003 χ^2 /NDF:1998.0/37

All: 0.438 $\pm$ 0.002 χ^2 /NDF: 3645.5/71

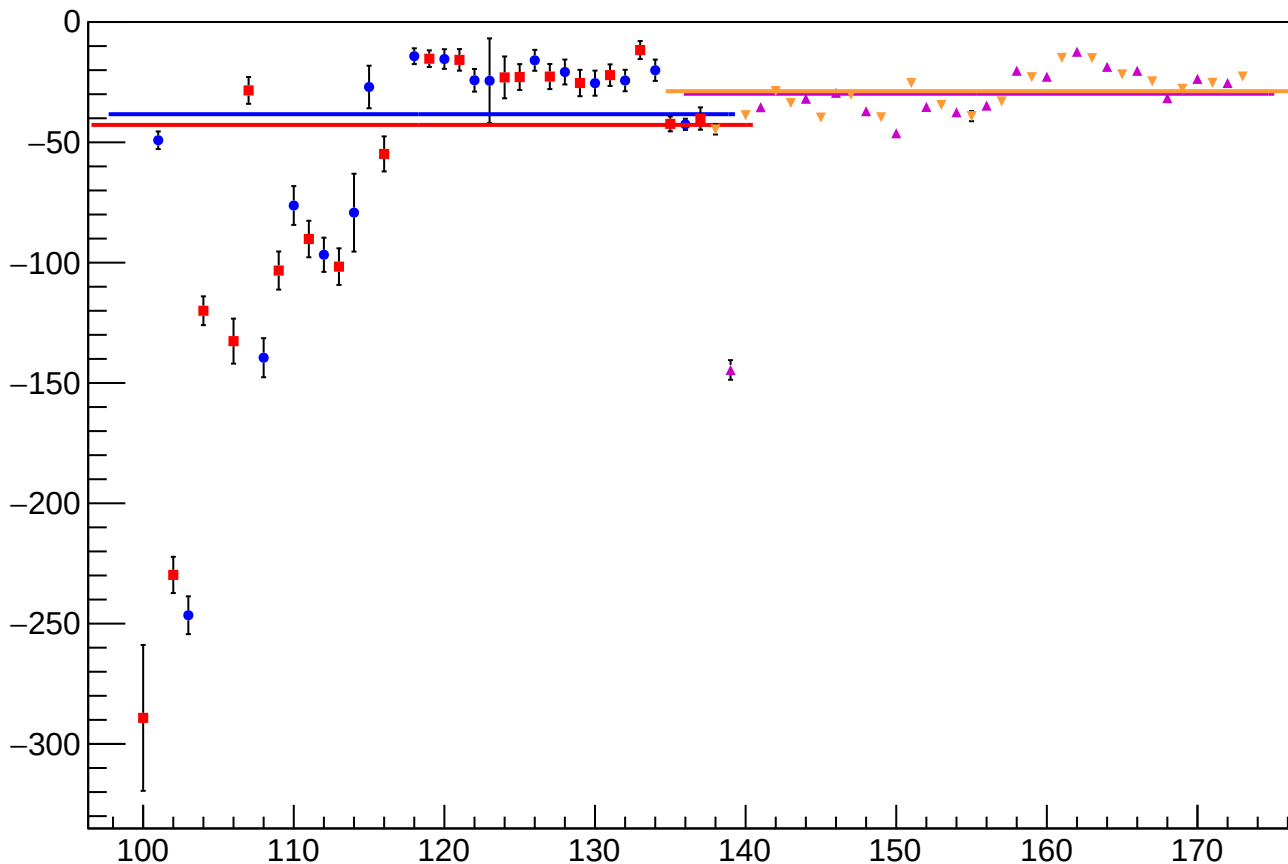
reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -40.796+/-0.518 χ^2/NDF :444.3/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -38.022+/-0.537 χ^2/NDF :445.3/16

Left: -39.460+/-0.373 χ^2/NDF : 903.5/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -38.022+/-0.537 χ^2/NDF :445.3/16
 Out: -40.796+/-0.518 χ^2/NDF :444.3/18
 All: -39.460+/-0.373 χ^2/NDF : 903.5/35

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: -28.739 ± 0.379 $\chi^2/\text{NDF}: 456.4/18$

Right Out: -42.756 ± 1.211 $\chi^2/\text{NDF}: 1341.6/18$

Left In: -29.811 ± 0.397 $\chi^2/\text{NDF}: 1237.0/16$

Left: -29.250 ± 0.274 $\chi^2/\text{NDF}: 1697.2/35$

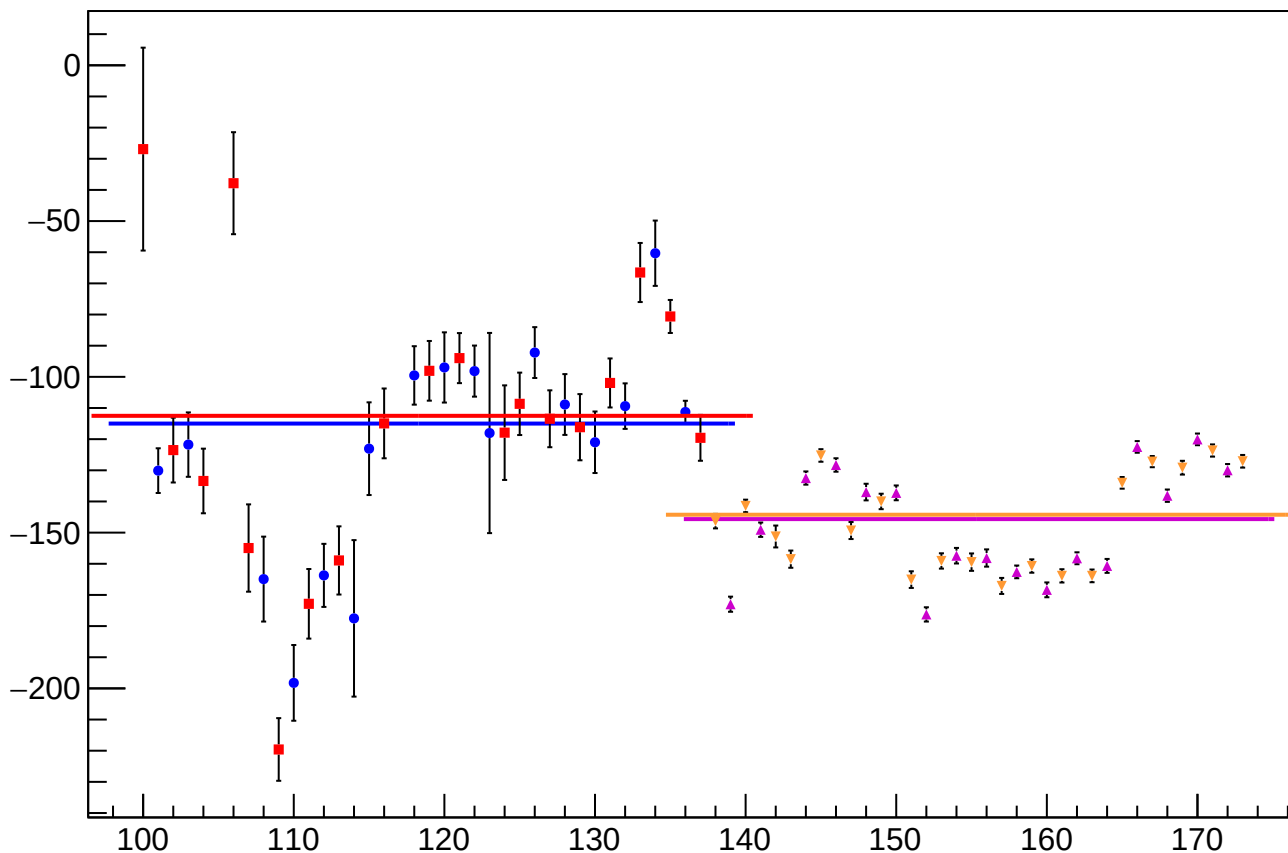
Right: -40.393 ± 0.829 $\chi^2/\text{NDF}: 2481.4/35$

In: -30.734 ± 0.375 $\chi^2/\text{NDF}: 2419.5/33$

Out: -29.991 ± 0.362 $\chi^2/\text{NDF}: 1920.1/37$

All: -30.349 ± 0.260 $\chi^2/\text{NDF}: 4341.6/71$

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -114.996+/-2.072 χ^2/NDF : 141.8/16

Left Out: -144.257+/-0.517 χ^2/NDF : 918.3/18

Right Out: -112.510+/-2.207 χ^2/NDF : 273.1/18

Left In: -145.660+/-0.530 χ^2/NDF : 1138.7/16

Left: -144.940+/-0.370 χ^2/NDF : 2060.6/35

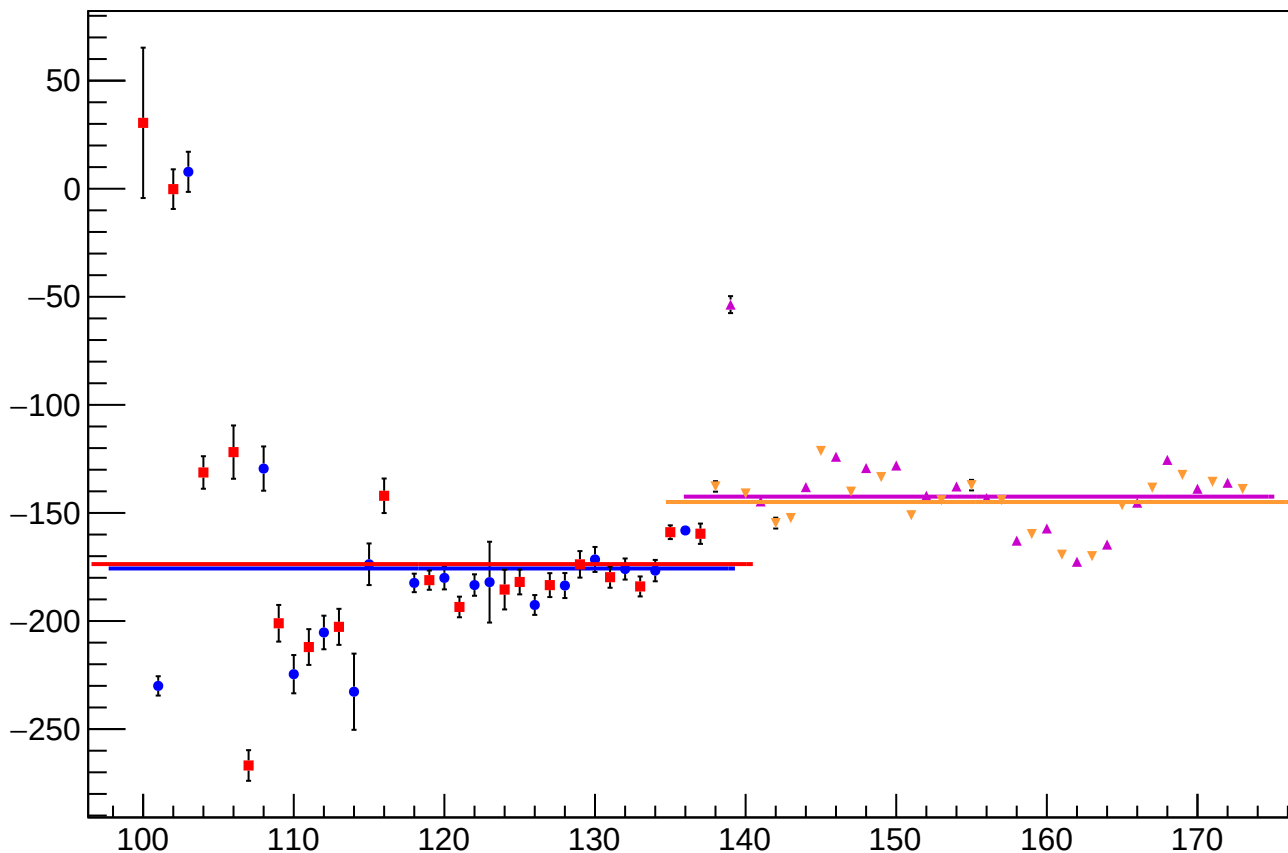
Right: -113.831+/-1.511 χ^2/NDF : 415.6/35

In: -143.776+/-0.514 χ^2/NDF : 1486.0/33

Out: -142.607+/-0.503 χ^2/NDF : 1387.6/37

All: -143.179+/-0.359 χ^2/NDF : 2876.3/71

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -175.696 $\pm$ 1.268 χ^2 /NDF: 692.9/16

Left Out: -144.942 $\pm$ 0.433 χ^2 /NDF:901.7/18

Right Out: -173.666 $\pm$ 1.356 χ^2 /NDF: 737.7/18

Left In: -142.453 $\pm$ 0.453 χ^2 /NDF:1514.6/16

Left: -143.755 $\pm$ 0.313 χ^2 /NDF: 2432.1/35

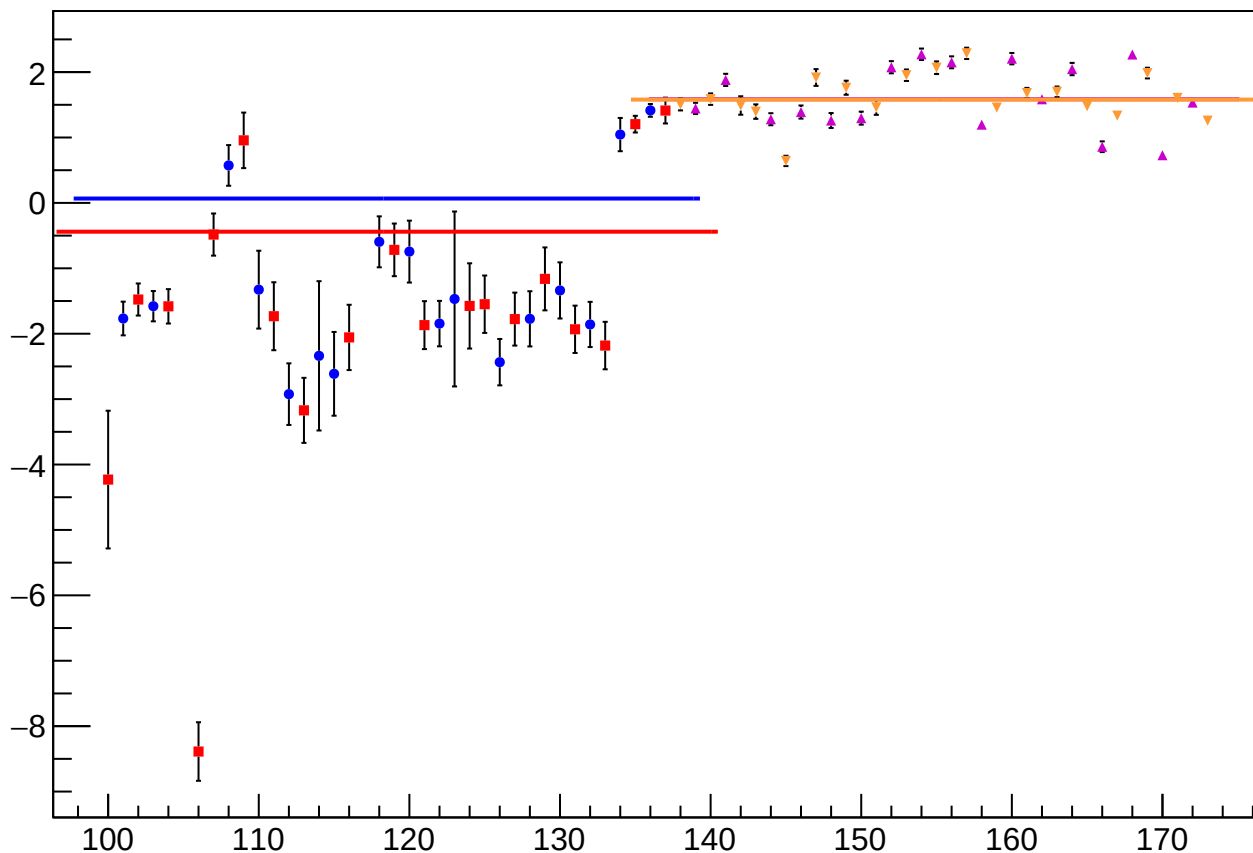
Right: -174.749 $\pm$ 0.926 χ^2 /NDF: 1431.8/35

In: -146.219 $\pm$ 0.427 χ^2 /NDF:2817.4/33

Out: -147.598 $\pm$ 0.412 χ^2 /NDF:2046.7/37

All: -146.932 $\pm$ 0.296 χ^2 /NDF: 4869.5/71

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.067 ± 0.067 χ^2/NDF : 526.1/16

Left Out: 1.580 ± 0.020 χ^2/NDF : 328.0/18

Right Out: -0.440 ± 0.071 χ^2/NDF : 754.9/18

Left In: 1.585 ± 0.021 χ^2/NDF : 591.8/16

Left: 1.582 ± 0.014 χ^2/NDF : 919.8/35

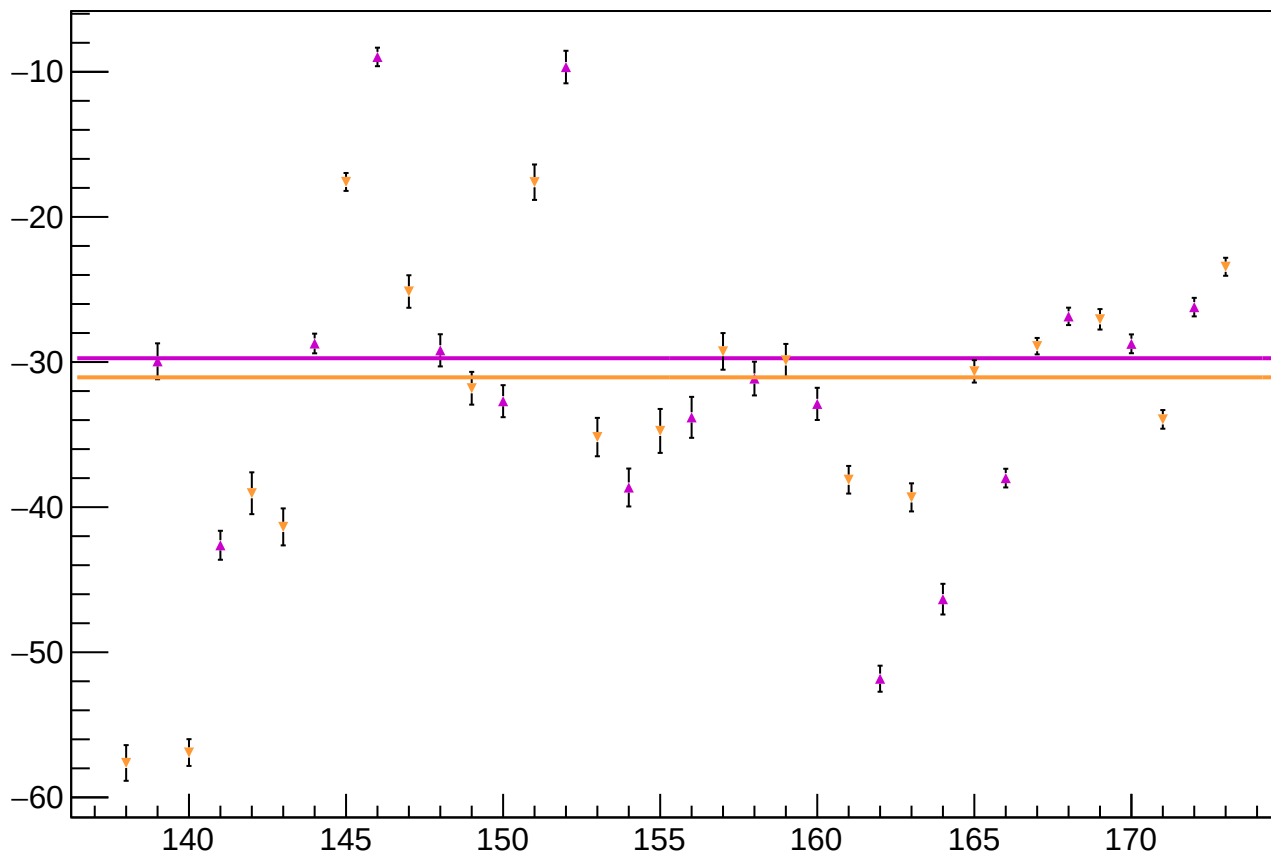
Right: -0.172 ± 0.049 χ^2/NDF : 1308.0/35

In: 1.454 ± 0.020 χ^2/NDF : 1587.5/33

Out: 1.432 ± 0.019 χ^2/NDF : 1830.8/37

All: 1.443 ± 0.014 χ^2/NDF : 3418.9/71

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -31.053+/-0.203 χ^2/NDF :2339.1/18

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

Left In: -29.738+/-0.206 χ^2/NDF :2691.0/16

Left: -30.405+/-0.145 χ^2/NDF : 5050.8/35

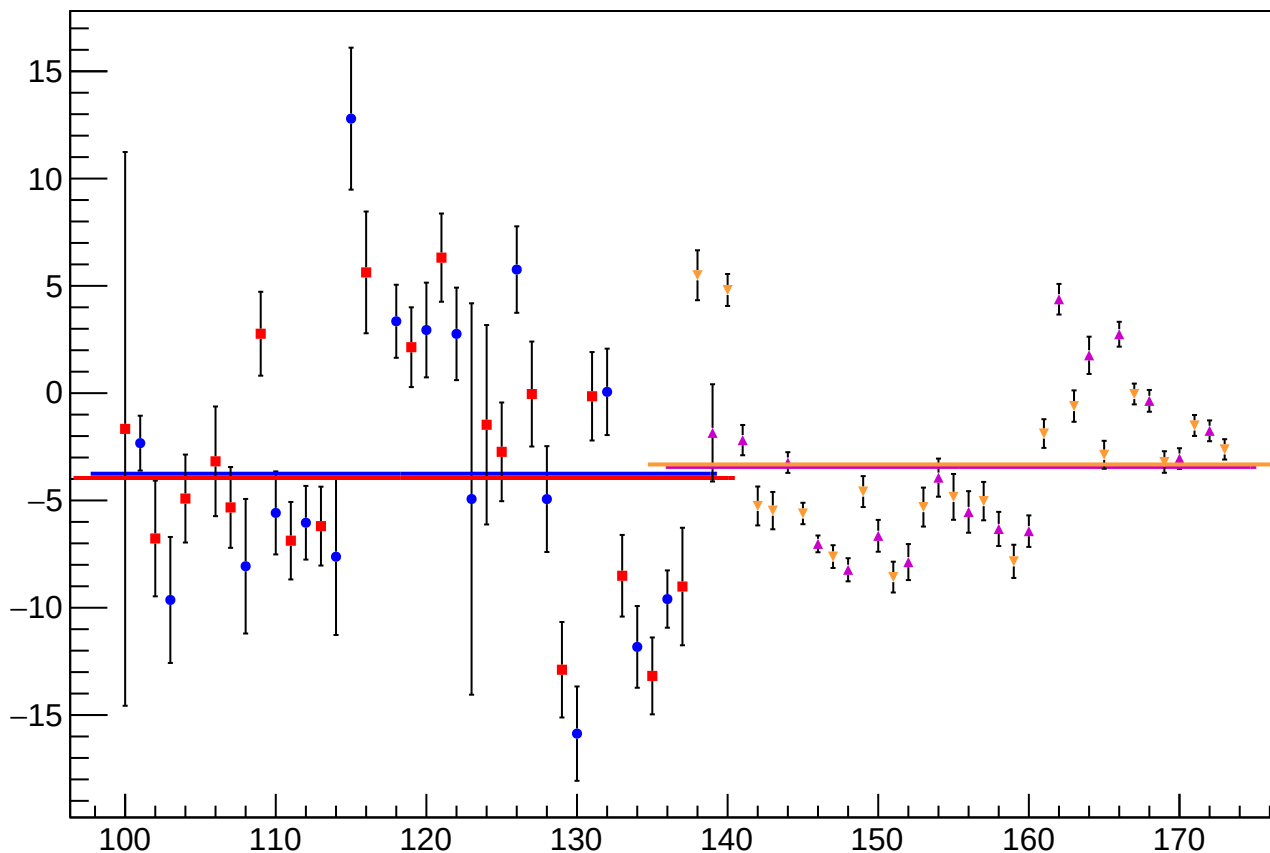
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -29.738+/-0.206 χ^2/NDF :2691.0/16

Out: -31.053+/-0.203 χ^2/NDF :2339.1/18

All: -30.405+/-0.145 χ^2/NDF : 5050.8/35

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.754 ± 0.495 $\chi^2/\text{NDF}: 165.3/16$

Left Out: -3.322 ± 0.149 $\chi^2/\text{NDF}: 455.5/18$

Right Out: -3.954 ± 0.507 $\chi^2/\text{NDF}: 123.3/18$

Left In: -3.437 ± 0.150 $\chi^2/\text{NDF}: 568.0/16$

Left: -3.379 ± 0.106 $\chi^2/\text{NDF}: 1023.8/35$

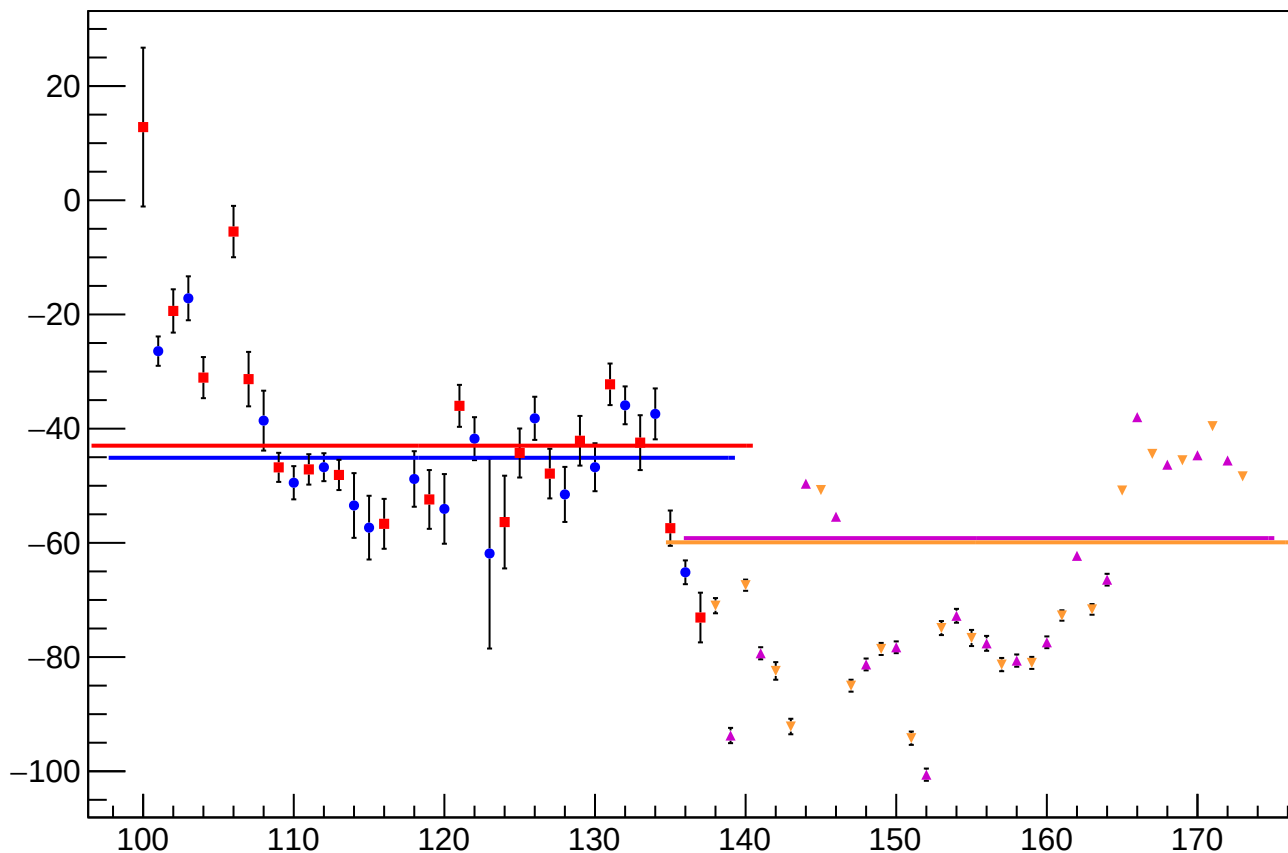
Right: -3.852 ± 0.354 $\chi^2/\text{NDF}: 288.7/35$

In: -3.464 ± 0.144 $\chi^2/\text{NDF}: 733.7/33$

Out: -3.373 ± 0.143 $\chi^2/\text{NDF}: 580.3/37$

All: -3.418 ± 0.102 $\chi^2/\text{NDF}: 1314.2/71$

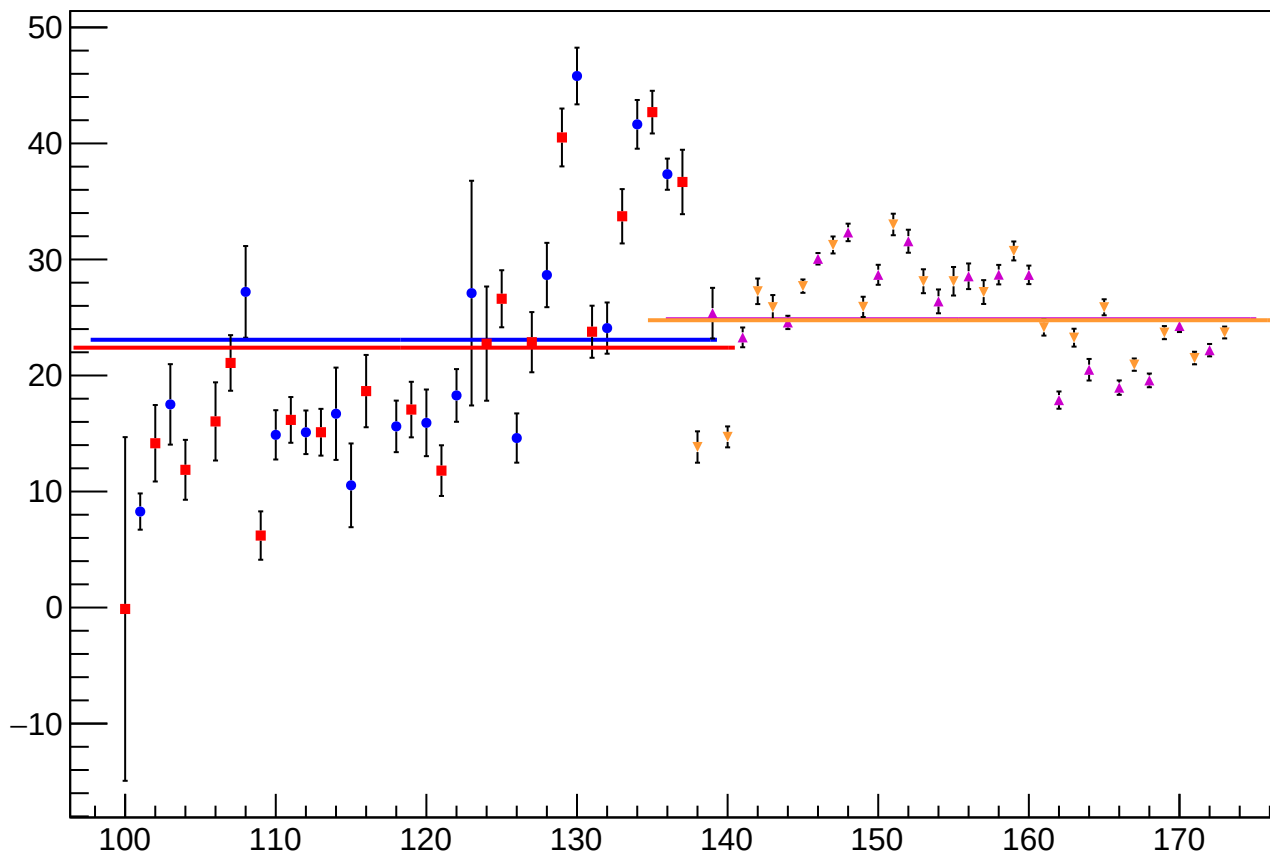
reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -45.101 ± 0.881 $\chi^2/\text{NDF}: 229.9/16$
 Left Out: -59.907 ± 0.204 $\chi^2/\text{NDF}: 6811.2/18$
 Right Out: -42.979 ± 0.877 $\chi^2/\text{NDF}: 248.9/18$
 Left In: -59.172 ± 0.205 $\chi^2/\text{NDF}: 7051.3/16$

Left: -59.542 ± 0.145 $\chi^2/\text{NDF}: 13869.0/35$
 Right: -44.036 ± 0.622 $\chi^2/\text{NDF}: 481.6/35$
 In: -58.451 ± 0.200 $\chi^2/\text{NDF}: 7523.3/33$
 Out: -59.040 ± 0.199 $\chi^2/\text{NDF}: 7413.3/37$
 All: -58.746 ± 0.141 $\chi^2/\text{NDF}: 14940.9/71$

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.079+/-0.556 χ^2/NDF : 461.1/16

Left Out: 24.763+/-0.170 χ^2/NDF : 561.2/18

Right Out: 22.397+/-0.572 χ^2/NDF : 370.3/18

Left In: 24.847+/-0.174 χ^2/NDF : 641.6/16

Left: 24.804+/-0.121 χ^2/NDF : 1202.9/35

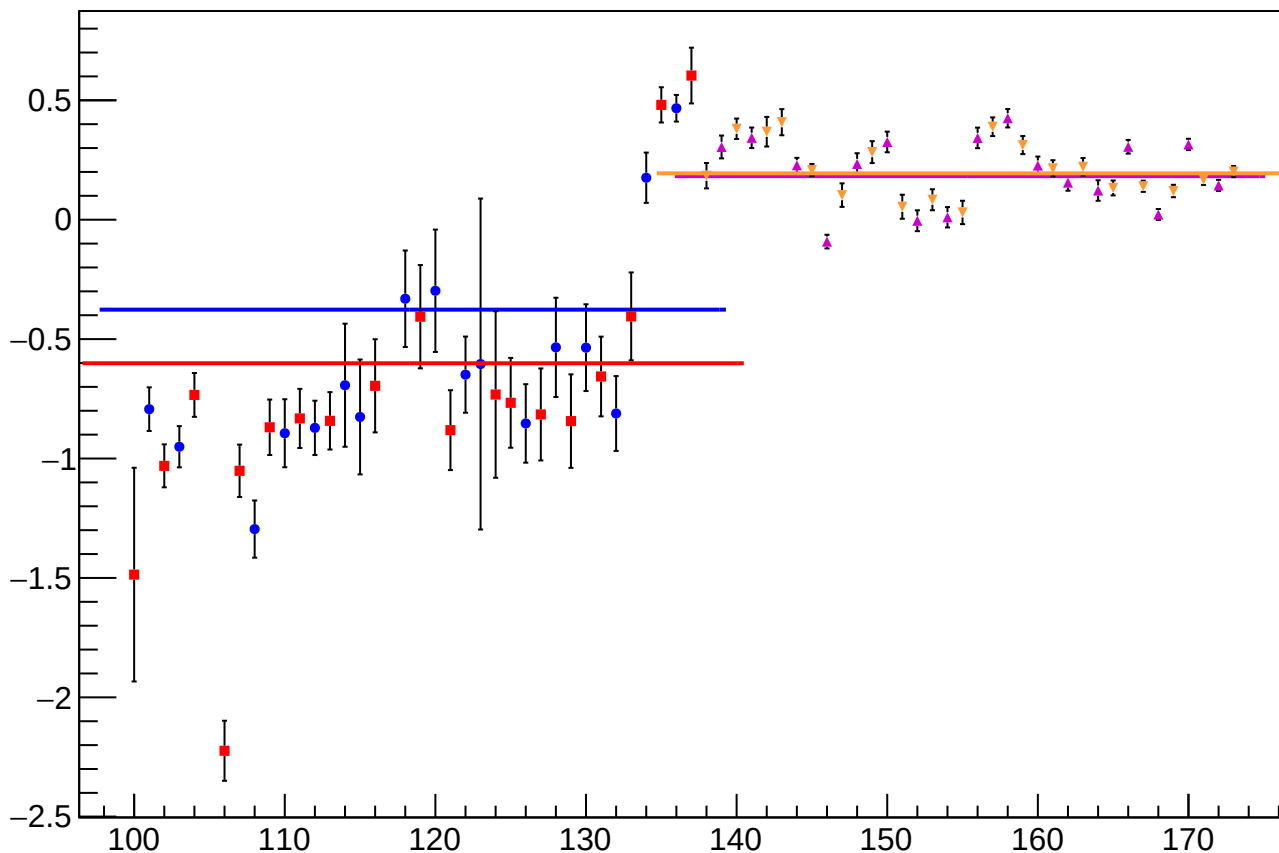
Right: 22.748+/-0.399 χ^2/NDF : 832.1/35

In: 24.690+/-0.166 χ^2/NDF : 1112.0/33

Out: 24.571+/-0.163 χ^2/NDF : 947.2/37

All: 24.629+/-0.116 χ^2/NDF : 2059.4/71

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.377 ± 0.030 χ^2/NDF : 437.1/16

Left Out: 0.194 ± 0.008 χ^2/NDF : 129.2/18

Right Out: -0.601 ± 0.030 χ^2/NDF : 555.6/18

Left In: 0.182 ± 0.008 χ^2/NDF : 319.2/16

Left: 0.188 ± 0.006 χ^2/NDF : 449.5/35

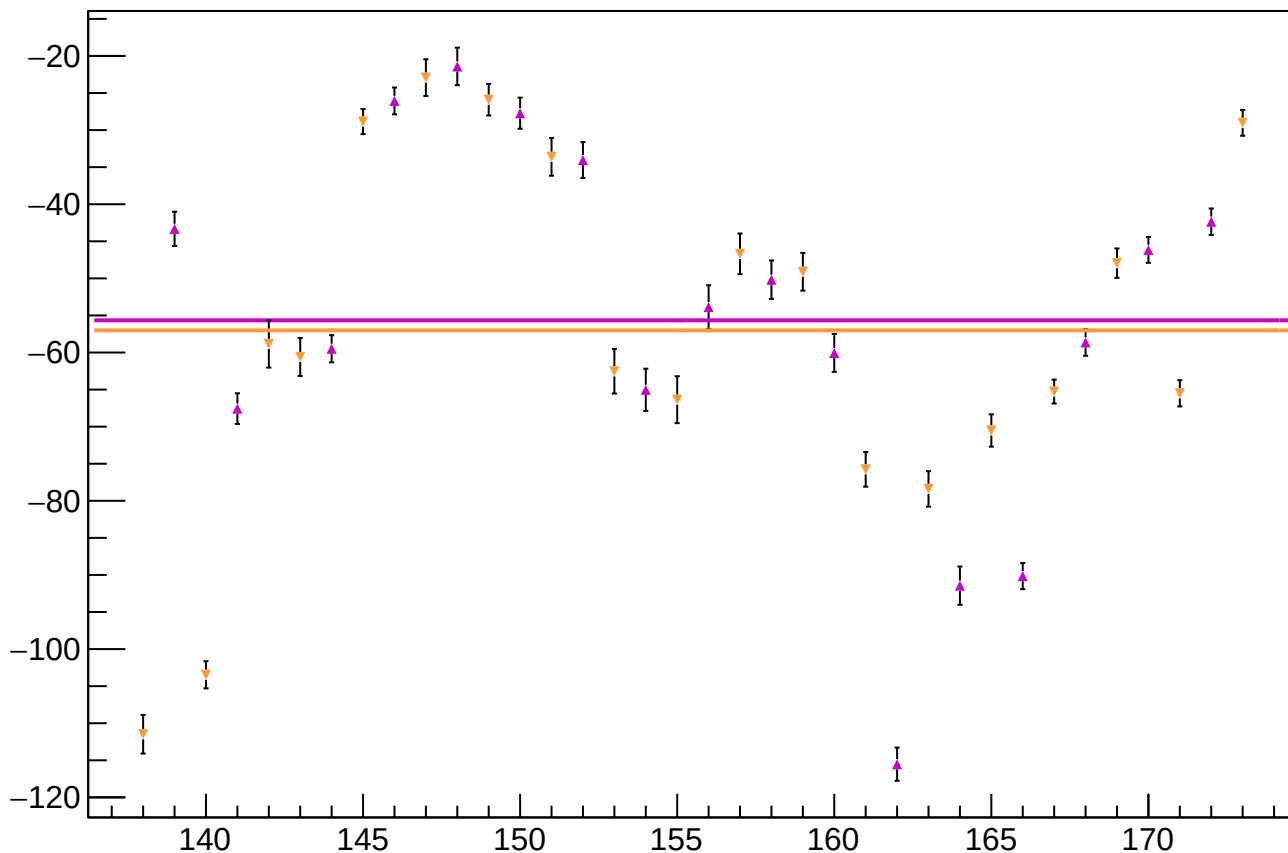
Right: -0.489 ± 0.021 χ^2/NDF : 1020.5/35

In: 0.145 ± 0.008 χ^2/NDF : 1078.6/33

Out: 0.144 ± 0.008 χ^2/NDF : 1335.6/37

All: 0.144 ± 0.005 χ^2/NDF : 2414.3/71

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -57.009 $\pm$ 0.504 χ^2/NDF :2394.9/18

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

Left In: -55.659 $\pm$ 0.517 χ^2/NDF :2171.3/16

Left: -56.352 $\pm$ 0.361 χ^2/NDF : 4569.7/35

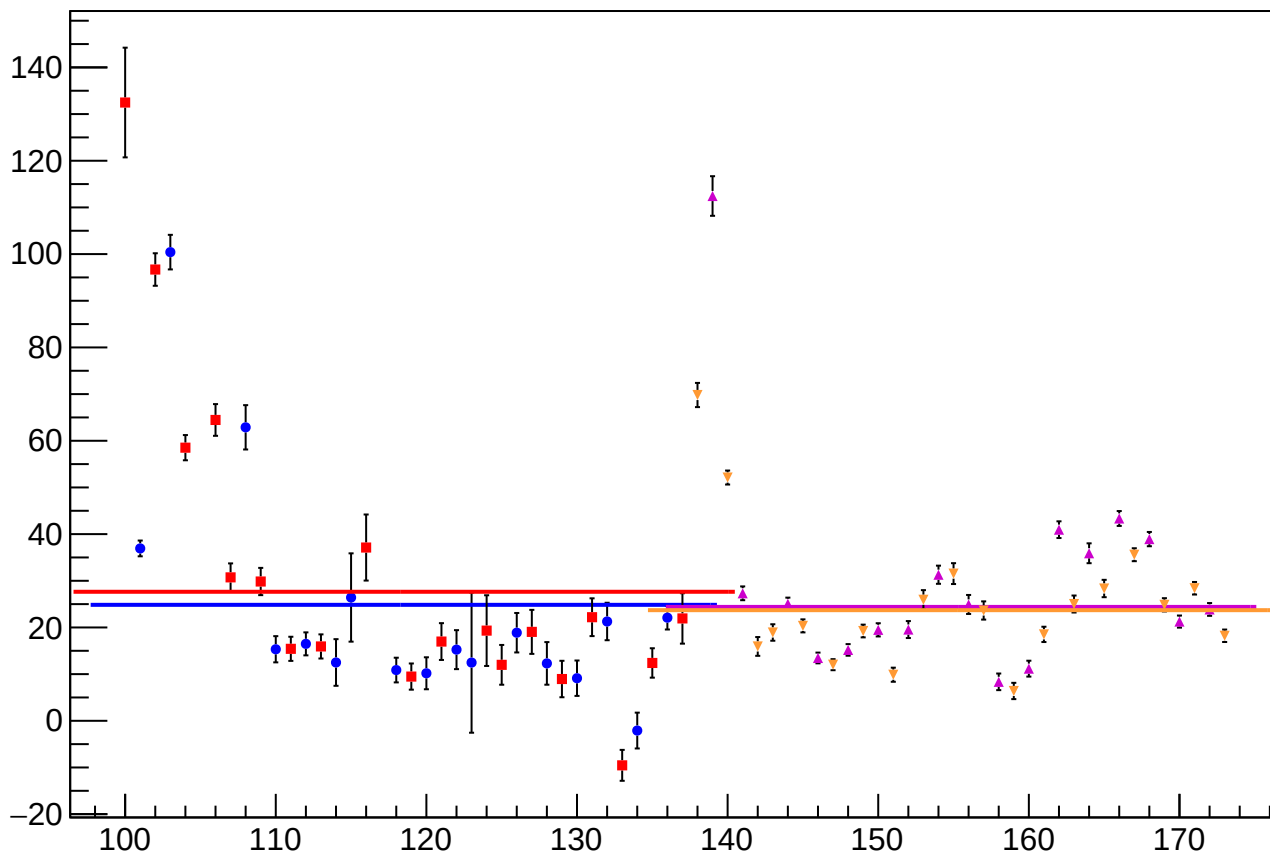
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -55.659 $\pm$ 0.517 χ^2/NDF :2171.3/16

Out: -57.009 $\pm$ 0.504 χ^2/NDF :2394.9/18

All: -56.352 $\pm$ 0.361 χ^2/NDF : 4569.7/35

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: 23.704 $\pm$ 0.366 χ^2 /NDF:1127.2/18

Right Out: 27.648 $\pm$ 0.810 χ^2 /NDF: 1009.2/18

Left In: 24.404 $\pm$ 0.379 χ^2 /NDF:1105.8/16

Left: 24.041 $\pm$ 0.263 χ^2 /NDF: 2234.7/35

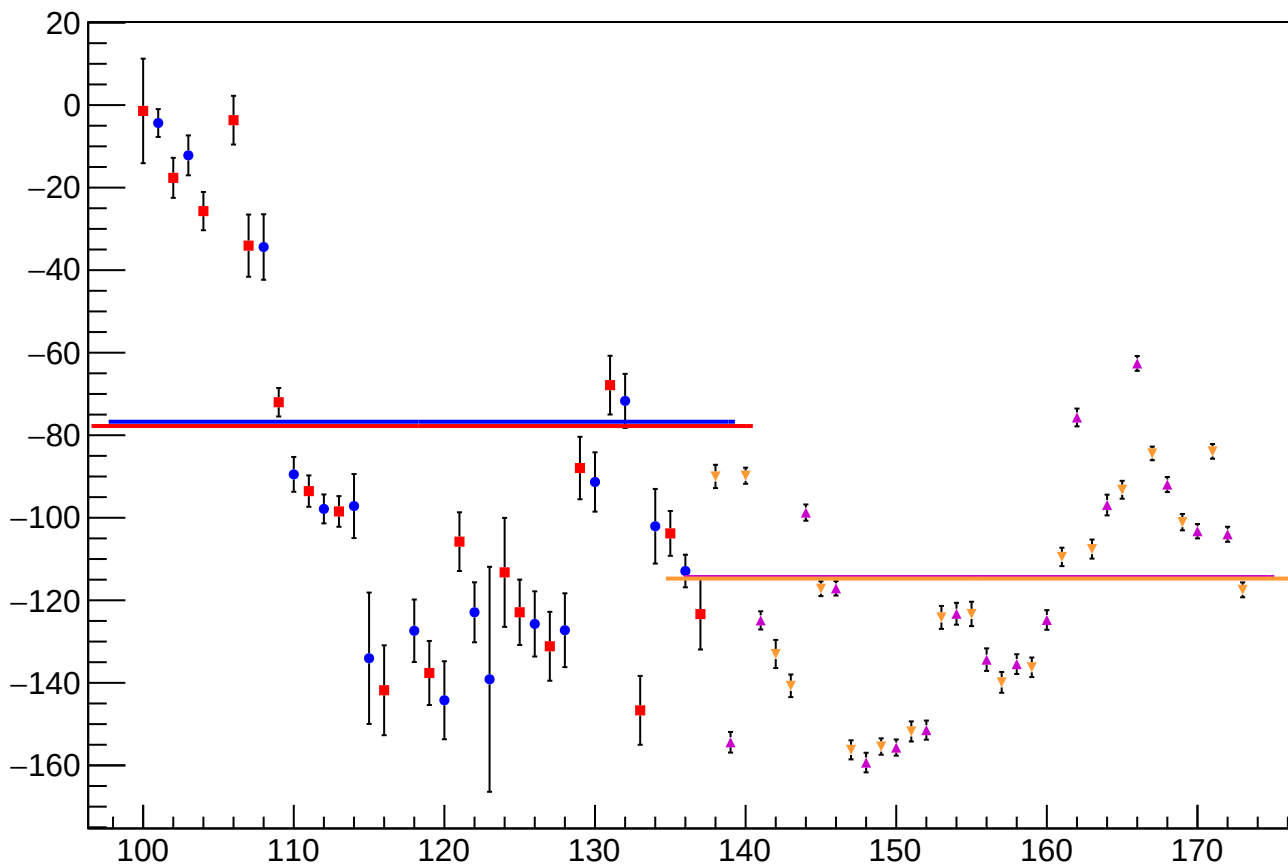
Right: 26.231 $\pm$ 0.570 χ^2 /NDF: 1706.0/35

In: 24.485 $\pm$ 0.343 χ^2 /NDF:1796.9/33

Out: 24.371 $\pm$ 0.333 χ^2 /NDF:2156.0/37

All: 24.427 $\pm$ 0.239 χ^2 /NDF: 3952.9/71

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.728 ± 1.412 $\chi^2/\text{NDF}: 1042.0/16$

Left Out: -114.731 ± 0.503 $\chi^2/\text{NDF}: 2337.7/18$

Right Out: -77.773 ± 1.352 $\chi^2/\text{NDF}: 871.8/18$

Left In: -114.356 ± 0.512 $\chi^2/\text{NDF}: 2992.2/16$

Left: -114.547 ± 0.359 $\chi^2/\text{NDF}: 5330.2/35$

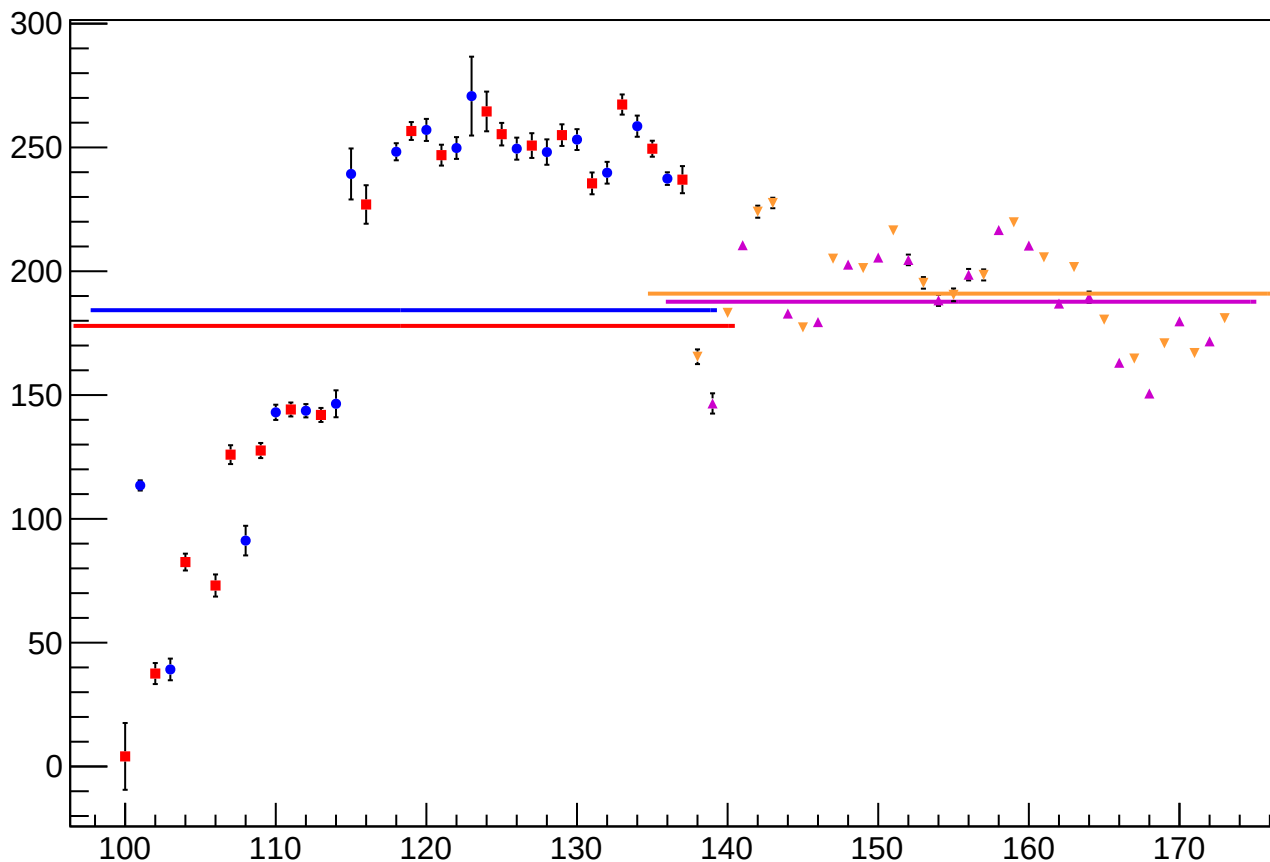
Right: -77.273 ± 0.977 $\chi^2/\text{NDF}: 1914.1/35$

In: -109.988 ± 0.481 $\chi^2/\text{NDF}: 4661.8/33$

Out: -110.240 ± 0.471 $\chi^2/\text{NDF}: 3865.7/37$

All: -110.117 ± 0.337 $\chi^2/\text{NDF}: 8527.7/71$

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 184.271 $\pm$ 0.914 χ^2 /NDF: 5401.0/16

Left Out: 190.962 $\pm$ 0.420 χ^2 /NDF:2090.0/18

Right Out: 177.930 $\pm$ 0.924 χ^2 /NDF: 6330.9/18

Left In: 187.689 $\pm$ 0.436 χ^2 /NDF:1762.7/16

Left: 189.387 $\pm$ 0.303 χ^2 /NDF: 3881.8/35

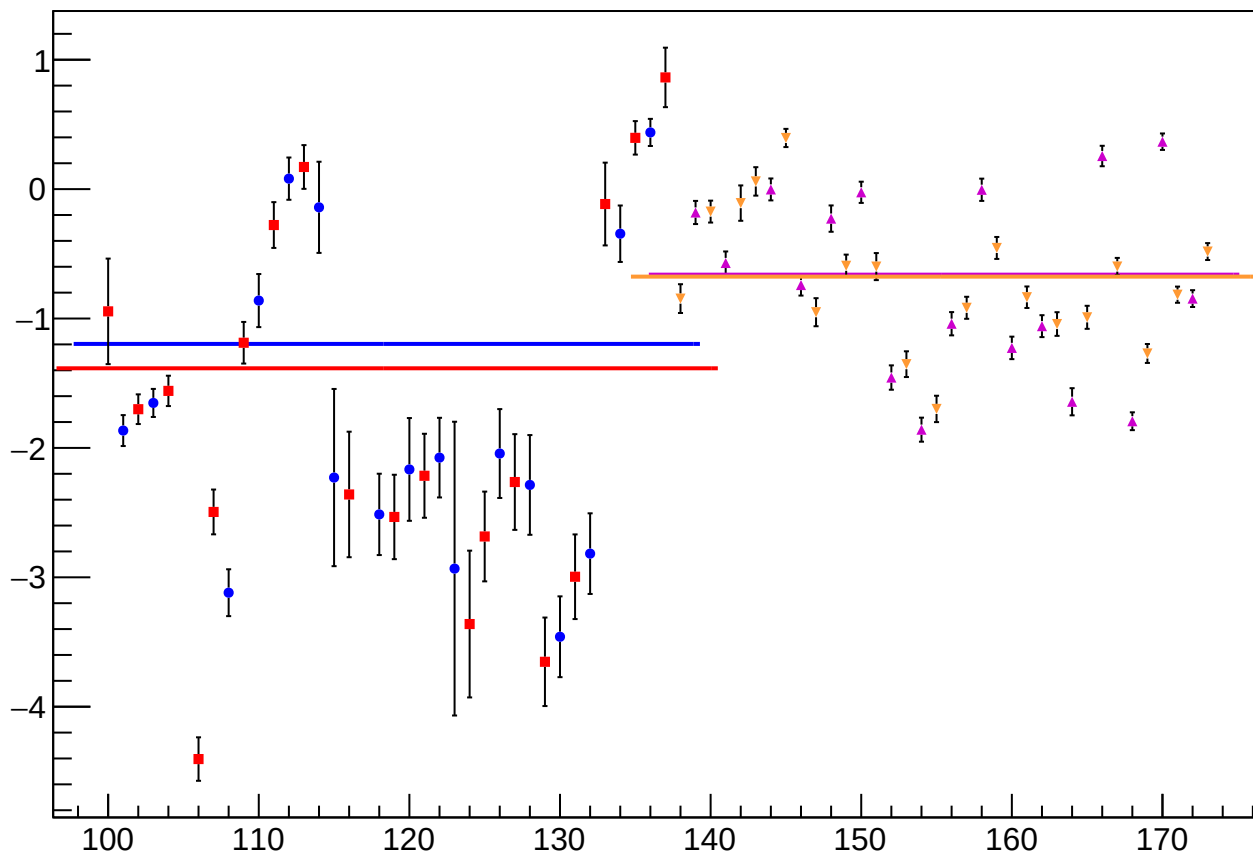
Right: 181.136 $\pm$ 0.650 χ^2 /NDF: 11755.7/35

In: 187.054 $\pm$ 0.394 χ^2 /NDF:7175.0/33

Out: 188.728 $\pm$ 0.383 χ^2 /NDF:8585.7/37

All: 187.915 $\pm$ 0.274 χ^2 /NDF: 15770.1/71

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.196 ± 0.048 χ^2/NDF : 623.1/16

Left Out: -0.676 ± 0.019 χ^2/NDF : 614.6/18

Right Out: -1.385 ± 0.046 χ^2/NDF : 924.4/18

Left In: -0.661 ± 0.020 χ^2/NDF : 1309.6/16

Left: -0.669 ± 0.014 χ^2/NDF : 1924.5/35

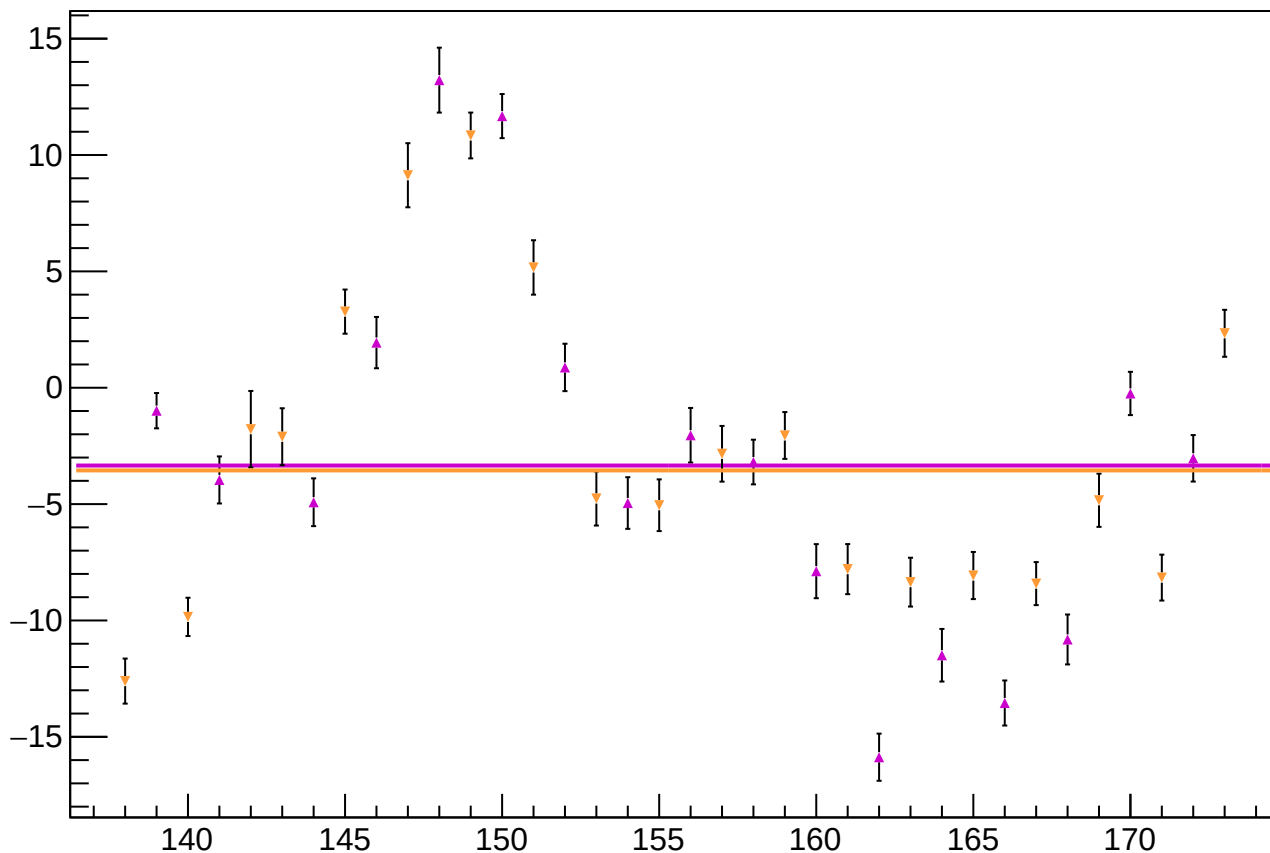
Right: -1.295 ± 0.033 χ^2/NDF : 1555.6/35

In: -0.740 ± 0.018 χ^2/NDF : 2038.3/33

Out: -0.785 ± 0.018 χ^2/NDF : 1741.9/37

All: -0.763 ± 0.013 χ^2/NDF : 3783.2/71

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -3.552 $\pm$ 0.243 χ^2 /NDF:701.3/18

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

Left In: -3.343 $\pm$ 0.248 χ^2 /NDF:839.3/16

Left: -3.449 $\pm$ 0.174 χ^2 /NDF: 1540.9/35

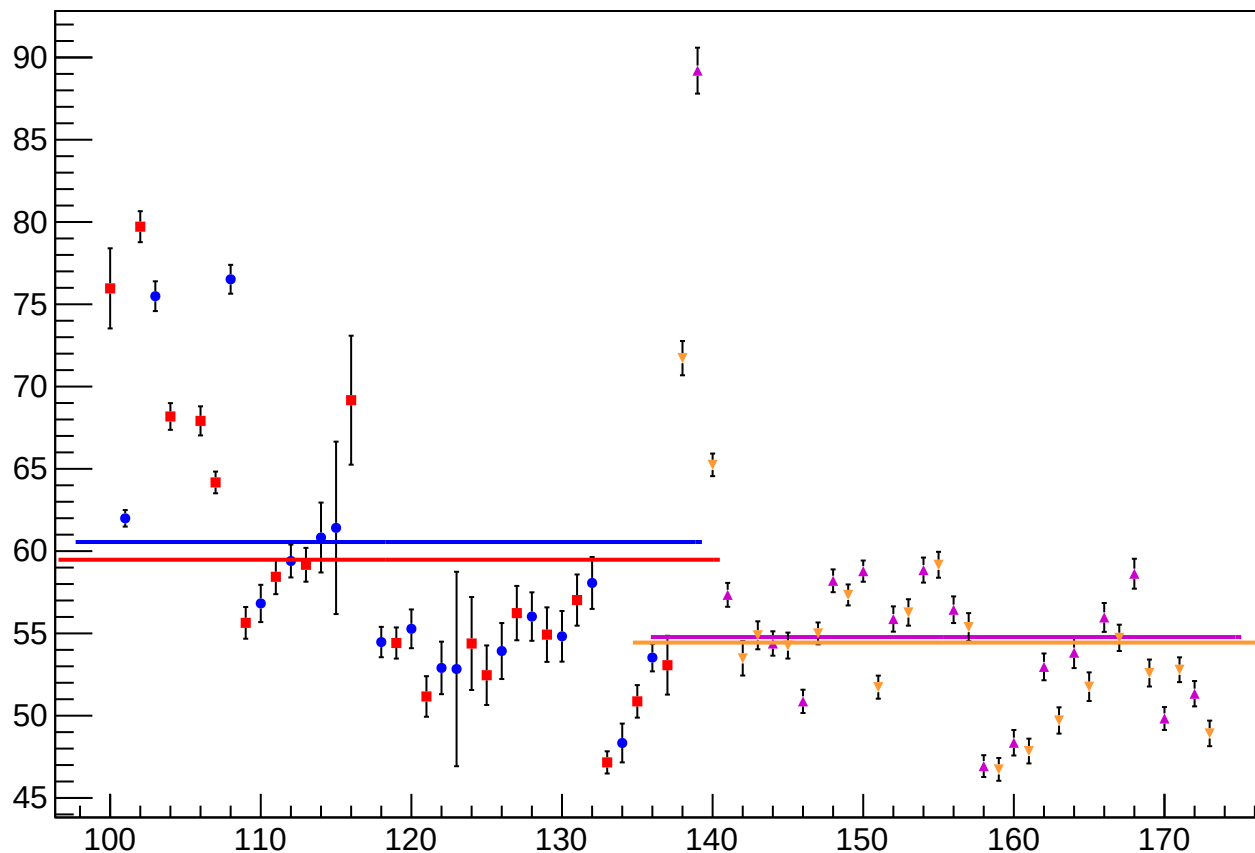
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -3.343 $\pm$ 0.248 χ^2 /NDF:839.3/16

Out: -3.552 $\pm$ 0.243 χ^2 /NDF:701.3/18

All: -3.449 $\pm$ 0.174 χ^2 /NDF: 1540.9/35

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: 54.443 $\pm$ 0.178 χ^2 /NDF: 908.1/18

Right Out: 59.477 $\pm$ 0.248 χ^2 /NDF: 1317.0/18

Left In: 54.779 $\pm$ 0.187 χ^2 /NDF: 1054.1/16

Left: 54.602 $\pm$ 0.129 χ^2 /NDF: 1963.8/35

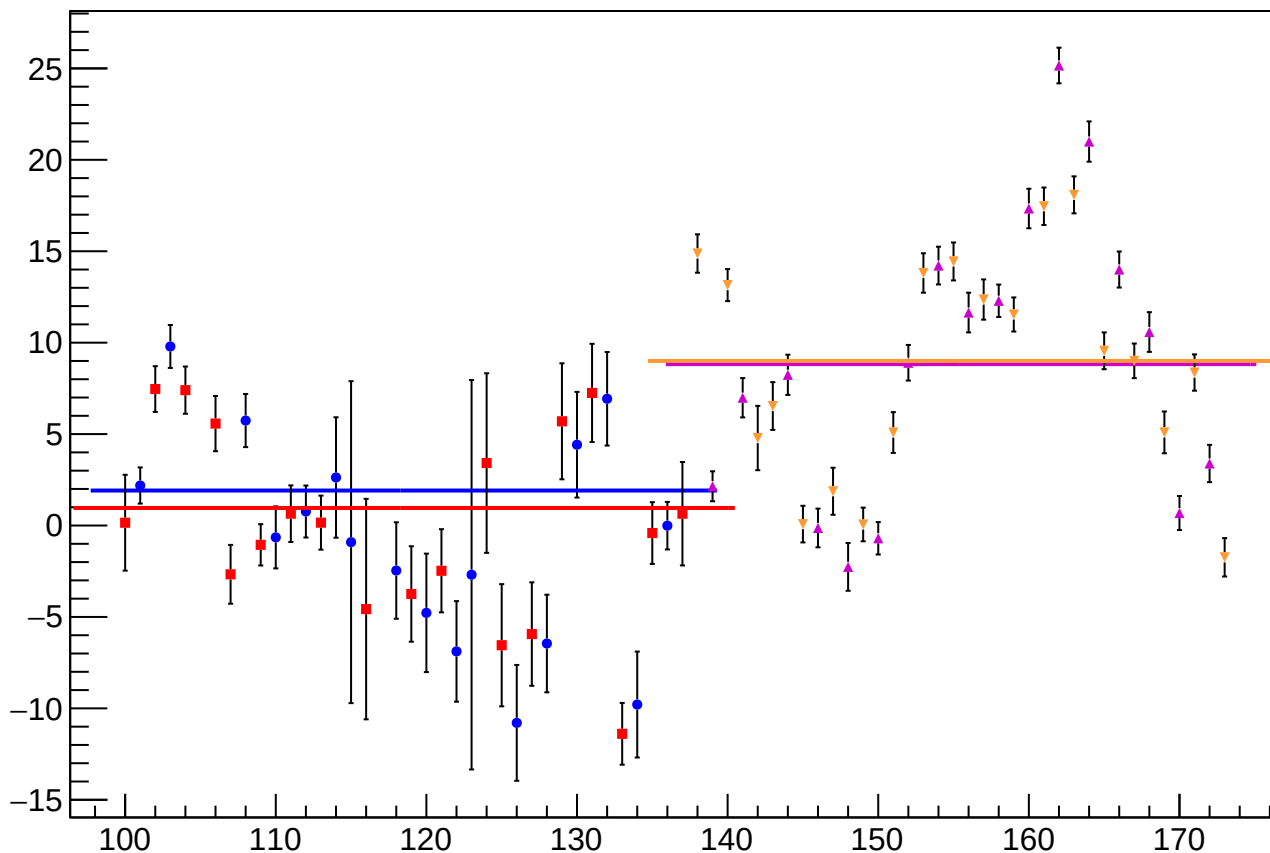
Right: 59.987 $\pm$ 0.180 χ^2 /NDF: 2256.7/35

In: 56.735 $\pm$ 0.152 χ^2 /NDF: 2307.2/33

Out: 56.159 $\pm$ 0.145 χ^2 /NDF: 2496.9/37

All: 56.432 $\pm$ 0.105 χ^2 /NDF: 4811.7/71

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.914 $\pm$ 0.458 χ^2 /NDF: 121.6/16

Left Out: 9.001 $\pm$ 0.241 χ^2 /NDF: 609.5/18

Right Out: 0.960 $\pm$ 0.424 χ^2 /NDF: 149.5/18

Left In: 8.825 $\pm$ 0.244 χ^2 /NDF: 977.7/16

Left: 8.914 $\pm$ 0.172 χ^2 /NDF: 1587.6/35

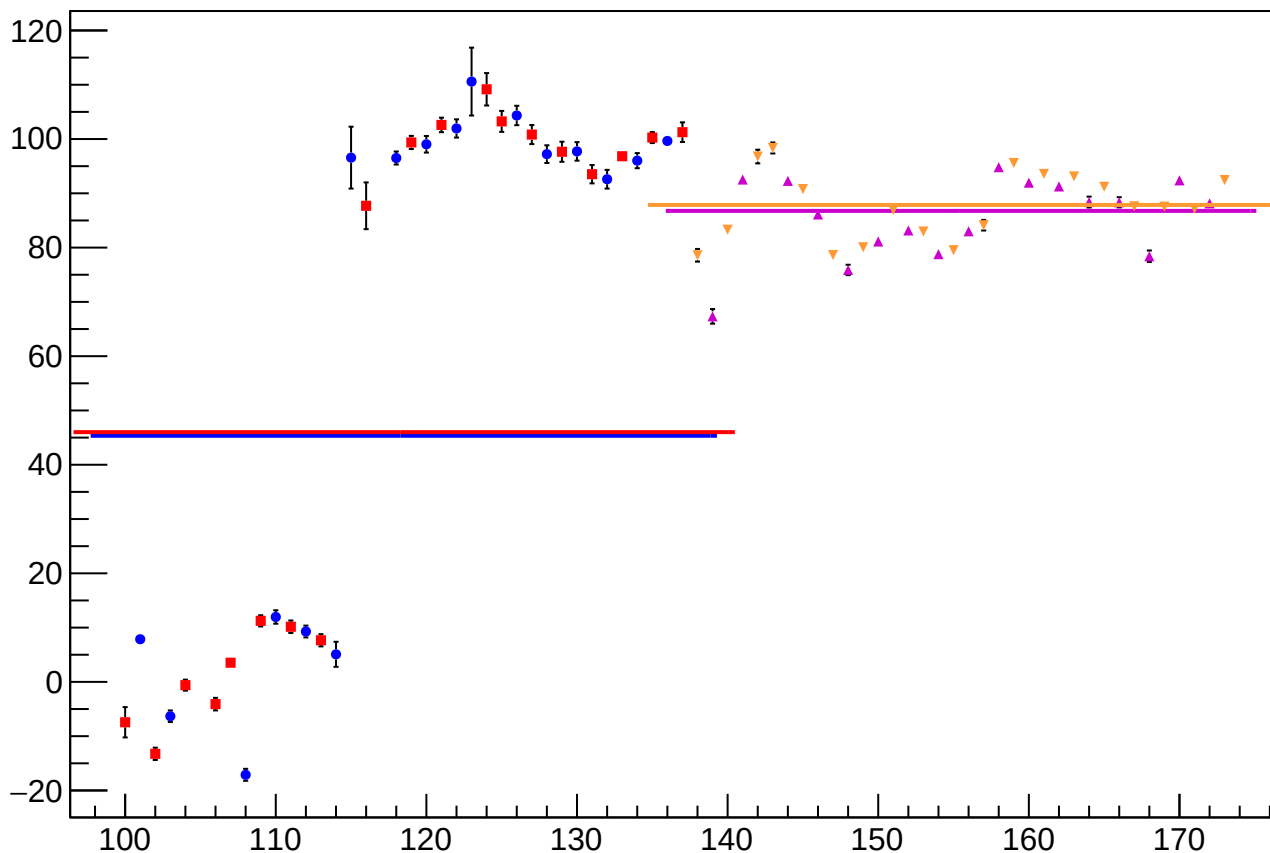
Right: 1.401 $\pm$ 0.311 χ^2 /NDF: 273.4/35

In: 7.294 $\pm$ 0.215 χ^2 /NDF: 1276.8/33

Out: 7.036 $\pm$ 0.210 χ^2 /NDF: 1030.5/37

All: 7.162 $\pm$ 0.150 χ^2 /NDF: 2308.1/71

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: 87.857 $\pm$ 0.204 χ^2 /NDF: 843.6/18

Right Out: 46.007 $\pm$ 0.289 χ^2 /NDF: 28219.9/18

Left In: 86.765 $\pm$ 0.212 χ^2 /NDF: 920.4/16

Left: 87.334 $\pm$ 0.147 χ^2 /NDF: 1777.7/35

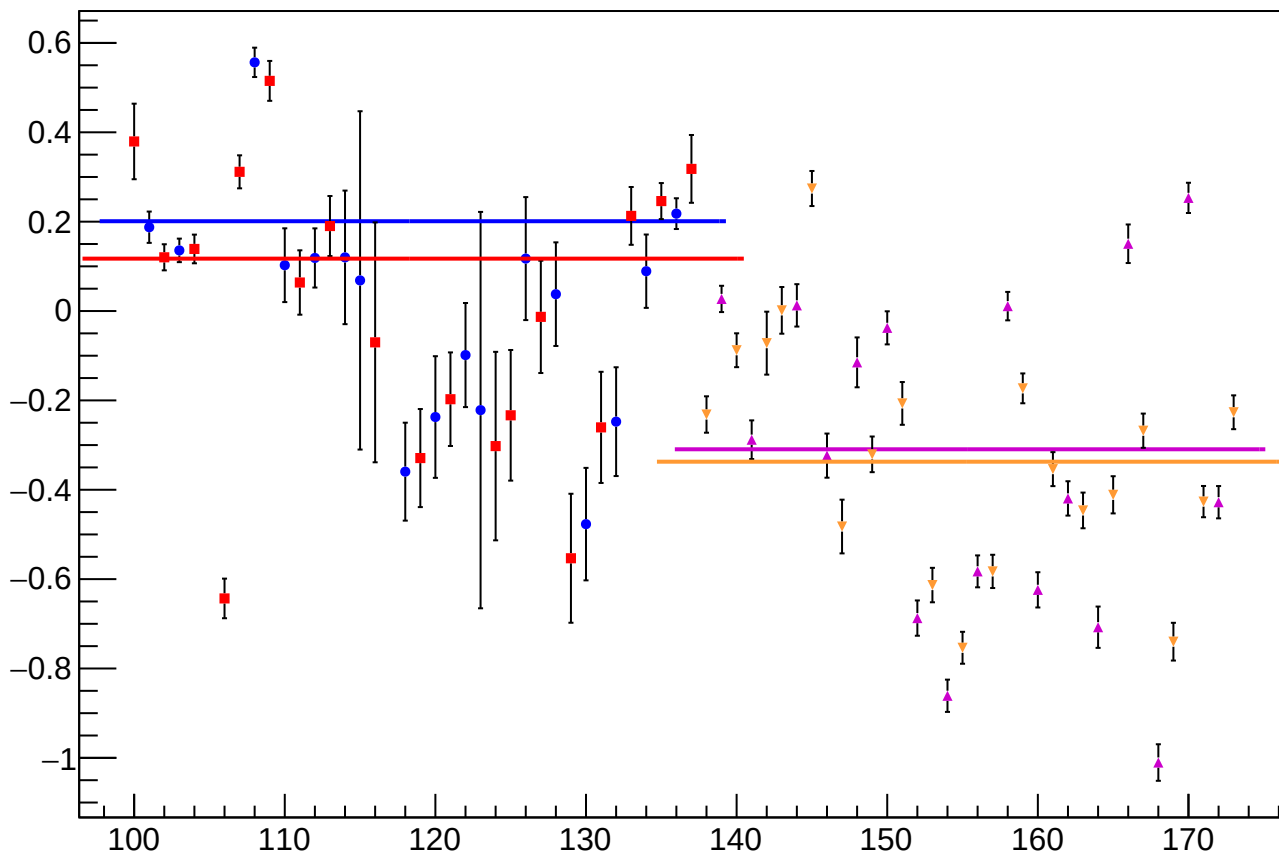
Right: 45.691 $\pm$ 0.209 χ^2 /NDF: 53293.4/35

In: 73.124 $\pm$ 0.174 χ^2 /NDF: 38504.9/33

Out: 73.991 $\pm$ 0.167 χ^2 /NDF: 43040.5/37

All: 73.576 $\pm$ 0.120 χ^2 /NDF: 81558.4/71

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 ± 0.014 χ^2/NDF : 217.8/16

Left Out: -0.337 ± 0.009 χ^2/NDF : 737.3/18

Right Out: 0.117 ± 0.013 χ^2/NDF : 500.1/18

Left In: -0.309 ± 0.009 χ^2/NDF : 1568.6/16

Left: -0.323 ± 0.007 χ^2/NDF : 2310.3/35

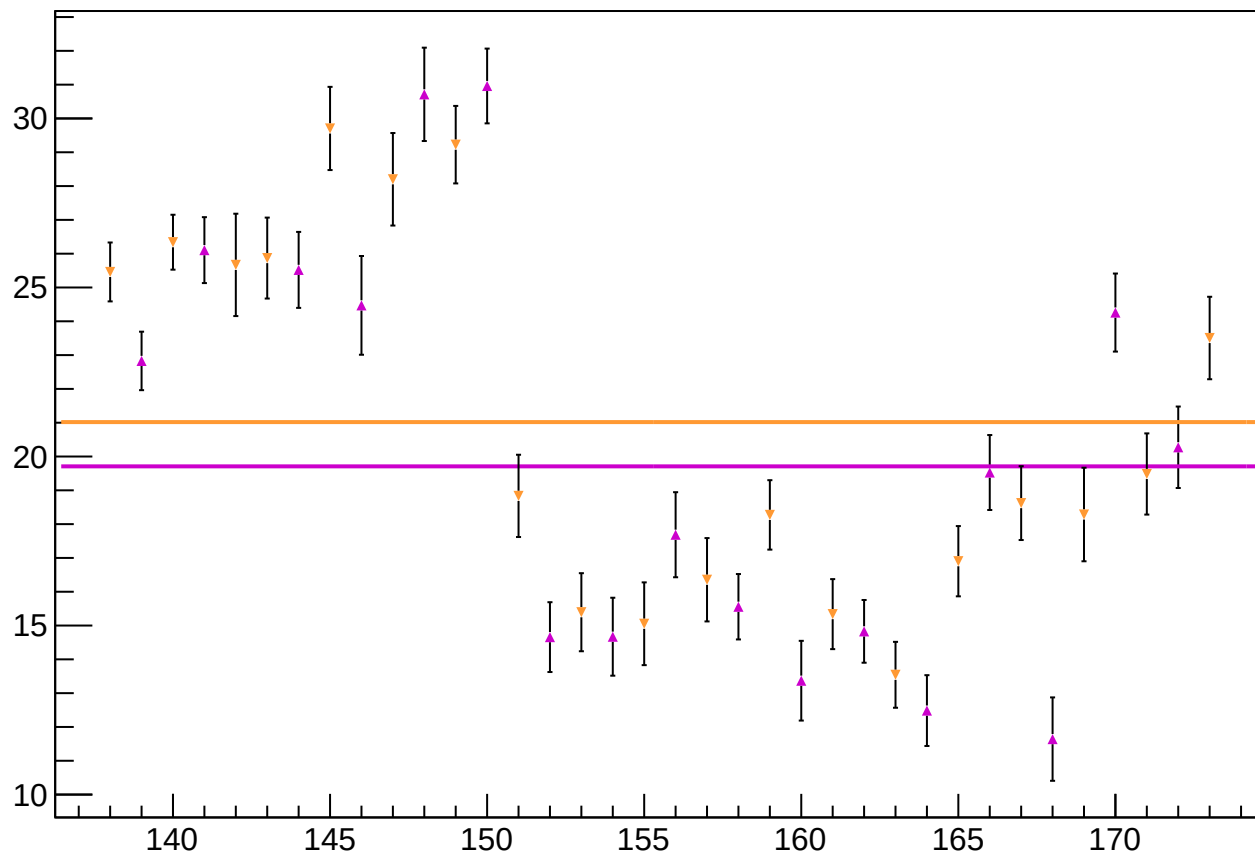
Right: 0.156 ± 0.010 χ^2/NDF : 737.1/35

In: -0.151 ± 0.008 χ^2/NDF : 2699.9/33

Out: -0.184 ± 0.008 χ^2/NDF : 2044.8/37

All: -0.168 ± 0.005 χ^2/NDF : 4753.6/71

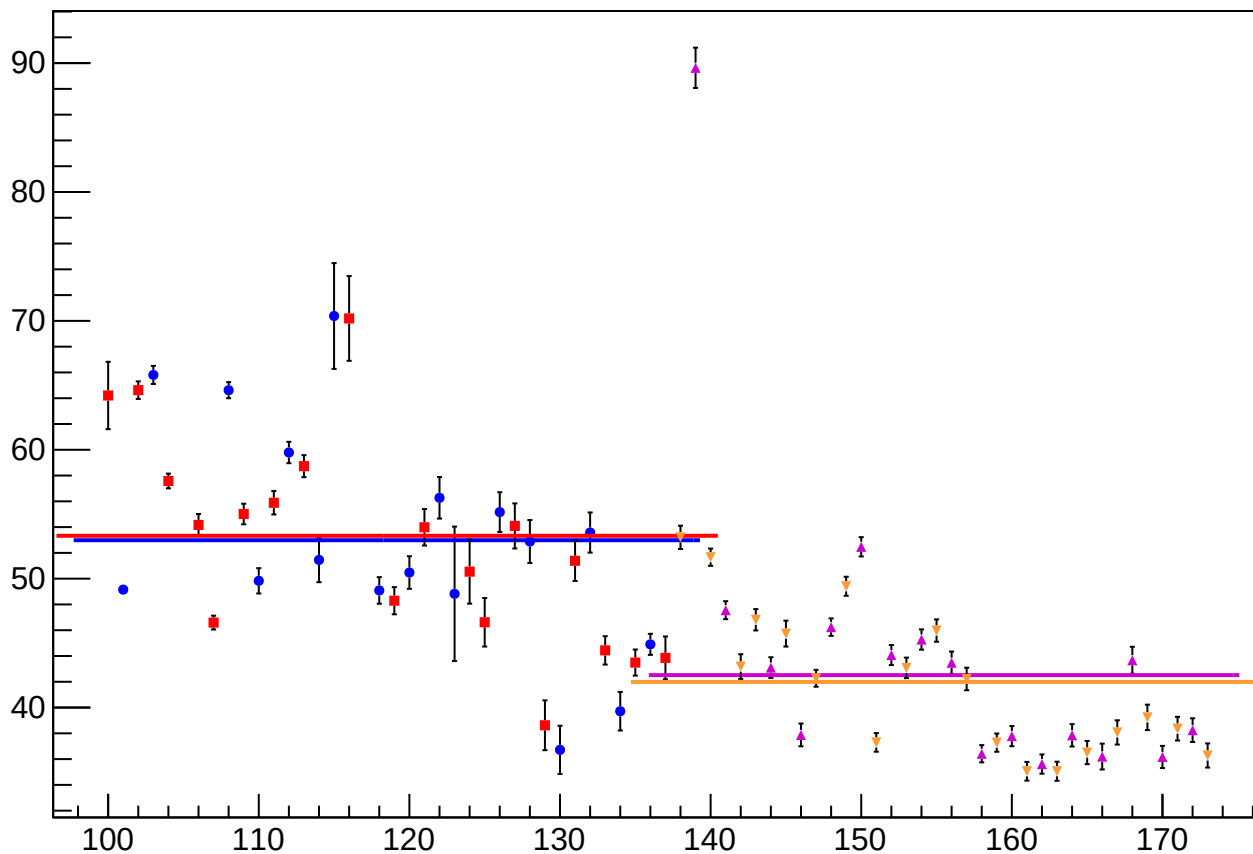
reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 21.018 $\pm$ 0.256 χ^2 /NDF:414.7/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 19.709 $\pm$ 0.266 χ^2 /NDF:487.2/16

Left: 20.390 $\pm$ 0.185 χ^2 /NDF: 914.5/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 19.709 $\pm$ 0.266 χ^2 /NDF:487.2/16
 Out: 21.018 $\pm$ 0.256 χ^2 /NDF:414.7/18
 All: 20.390 $\pm$ 0.185 χ^2 /NDF: 914.5/35

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: 41.989 $\pm$ 0.187 χ^2 /NDF: 916.3/18

Right Out: 53.328 $\pm$ 0.227 χ^2 /NDF: 872.7/18

Left In: 42.515 $\pm$ 0.199 χ^2 /NDF: 1564.4/16

Left: 42.235 $\pm$ 0.136 χ^2 /NDF: 2484.4/35

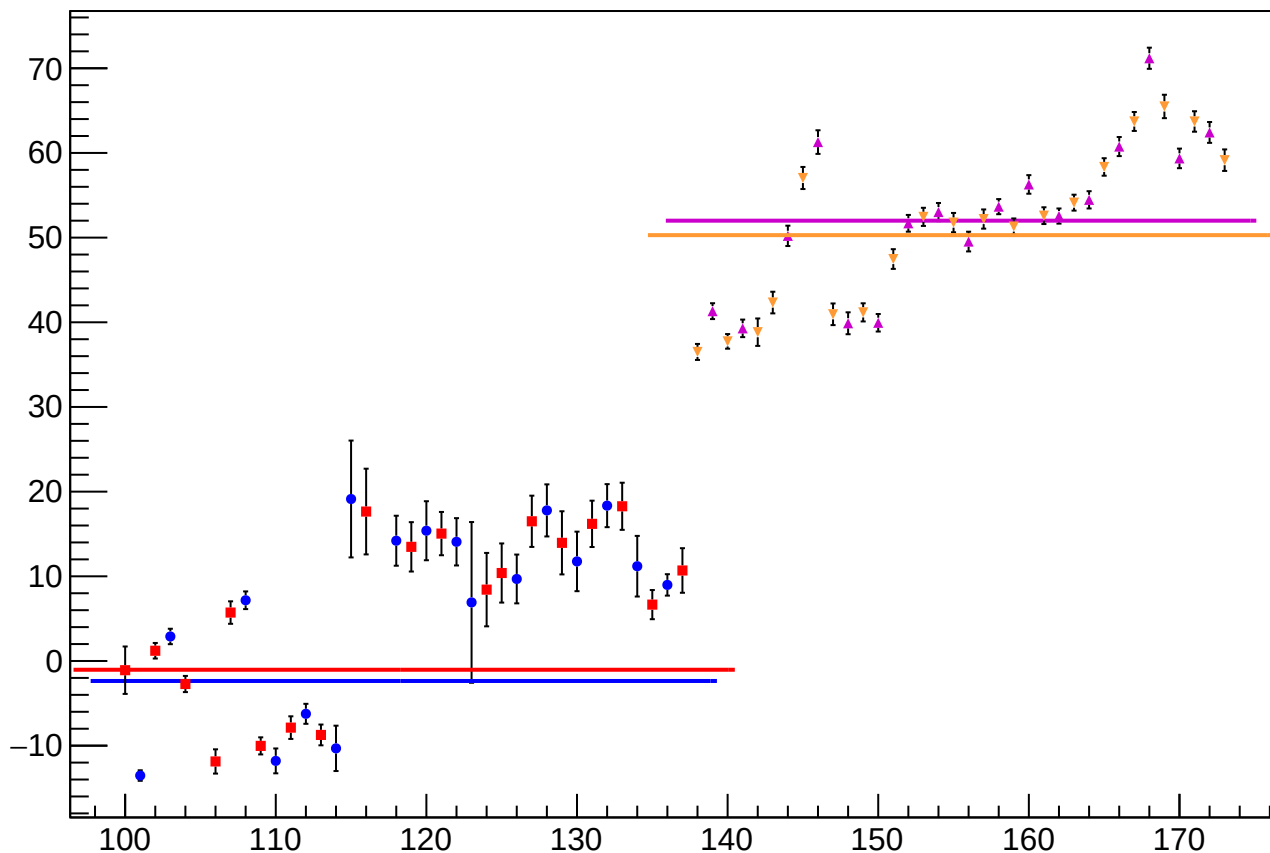
Right: 53.141 $\pm$ 0.154 χ^2 /NDF: 2071.7/35

In: 47.459 $\pm$ 0.144 χ^2 /NDF: 4070.7/33

Out: 46.569 $\pm$ 0.144 χ^2 /NDF: 3280.4/37

All: 47.013 $\pm$ 0.102 χ^2 /NDF: 7370.2/71

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.361 ± 0.364 χ^2/NDF : 840.8/16

Left Out: 50.291 ± 0.254 χ^2/NDF : 1200.3/18

Right Out: -1.035 ± 0.377 χ^2/NDF : 507.7/18

Left In: 52.000 ± 0.262 χ^2/NDF : 989.5/16

Left: 51.120 ± 0.182 χ^2/NDF : 2211.8/35

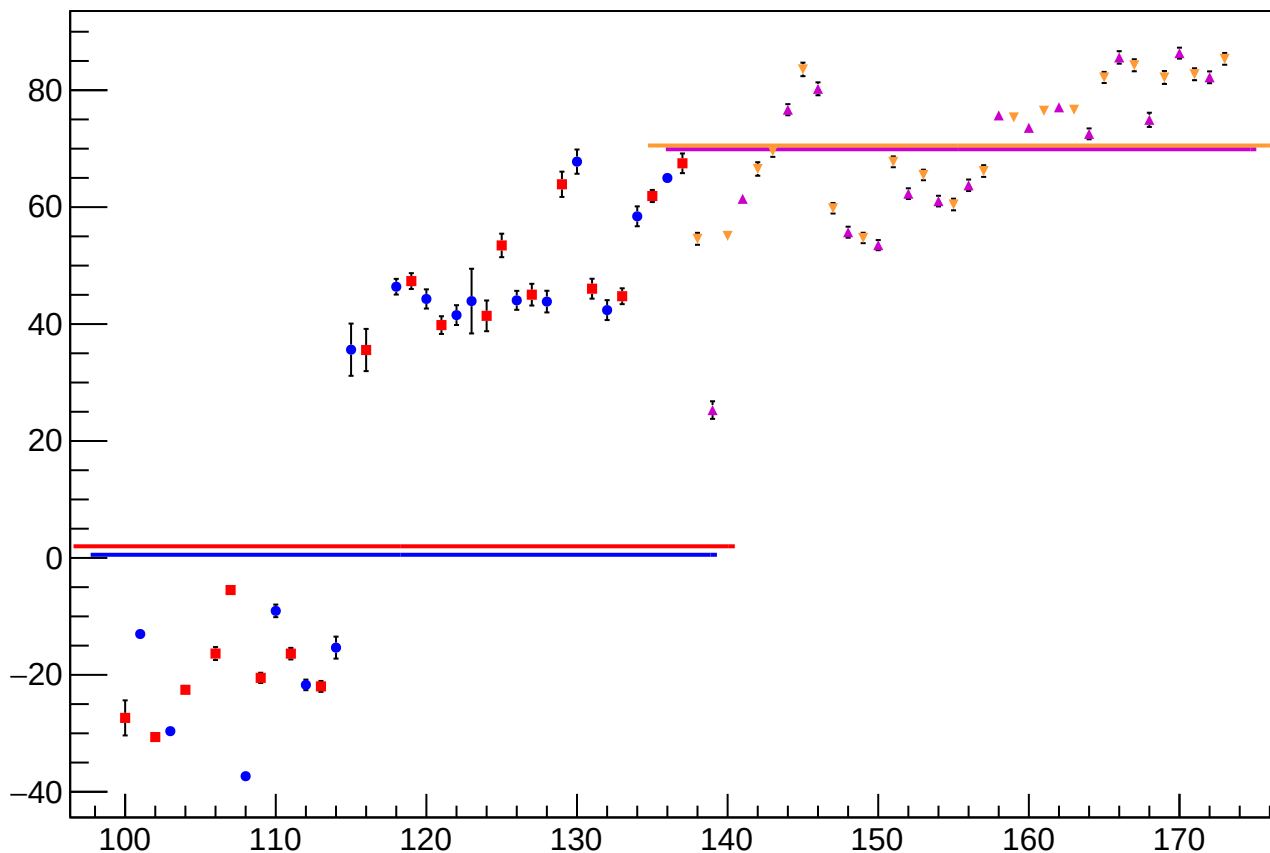
Right: -1.721 ± 0.262 χ^2/NDF : 1355.0/35

In: 33.441 ± 0.213 χ^2/NDF : 16534.5/33

Out: 34.256 ± 0.211 χ^2/NDF : 14458.6/37

All: 33.852 ± 0.150 χ^2/NDF : 31000.5/71

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: 70.540 $\pm$ 0.214 χ^2 /NDF:2328.3/18

Right Out: 1.990 $\pm$ 0.267 χ^2 /NDF: 15476.7/18

Left In: 69.899 $\pm$ 0.226 χ^2 /NDF:2774.7/16

Left: 70.237 $\pm$ 0.155 χ^2 /NDF: 5107.3/35

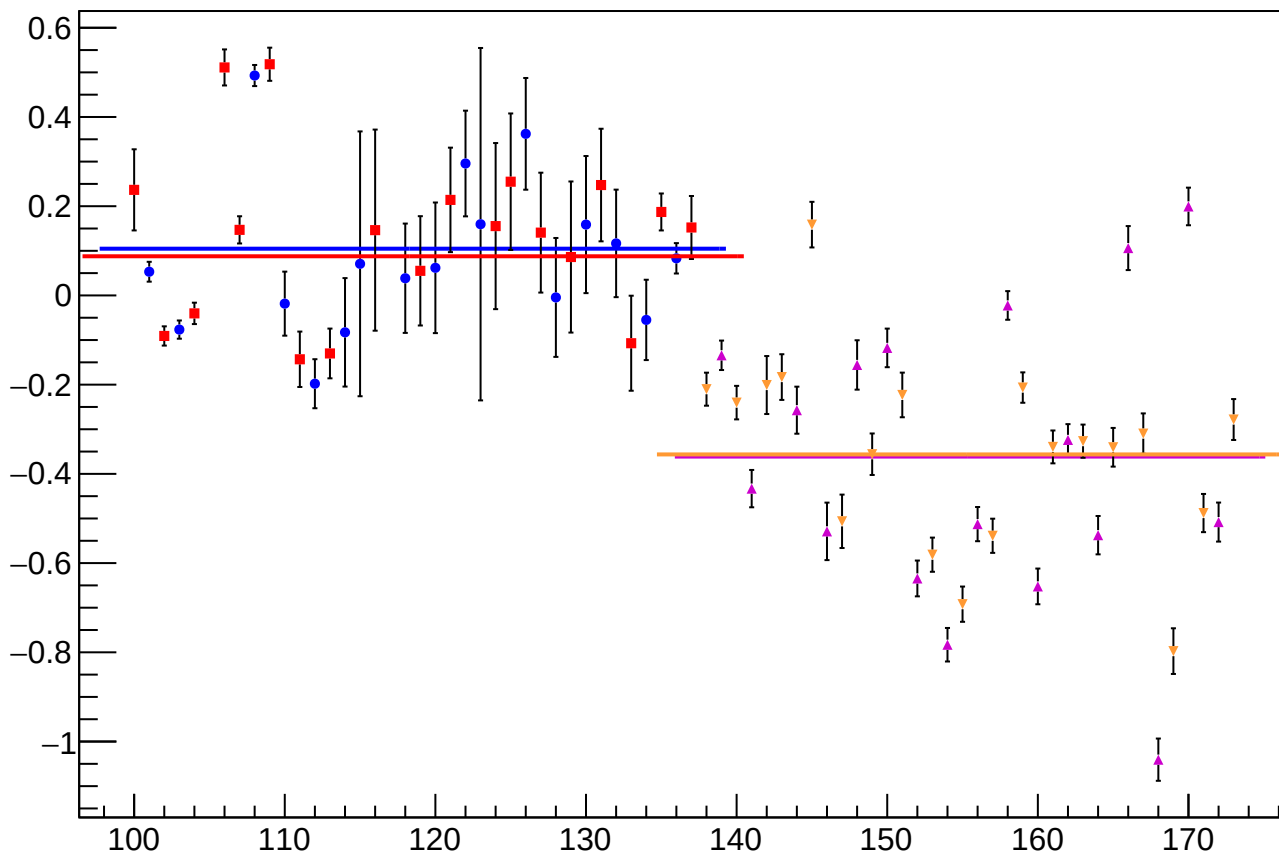
Right: 1.210 $\pm$ 0.181 χ^2 /NDF: 33916.4/35

In: 38.241 $\pm$ 0.167 χ^2 /NDF:64159.3/33

Out: 43.662 $\pm$ 0.167 χ^2 /NDF:58021.6/37

All: 40.948 $\pm$ 0.118 χ^2 /NDF: 122709.3/71

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 ± 0.011 $\chi^2/\text{NDF}: 400.7/16$

Left Out: -0.356 ± 0.010 $\chi^2/\text{NDF}: 394.3/18$

Right Out: 0.088 ± 0.011 $\chi^2/\text{NDF}: 391.0/18$

Left In: -0.361 ± 0.010 $\chi^2/\text{NDF}: 960.2/16$

Left: -0.359 ± 0.007 $\chi^2/\text{NDF}: 1354.7/35$

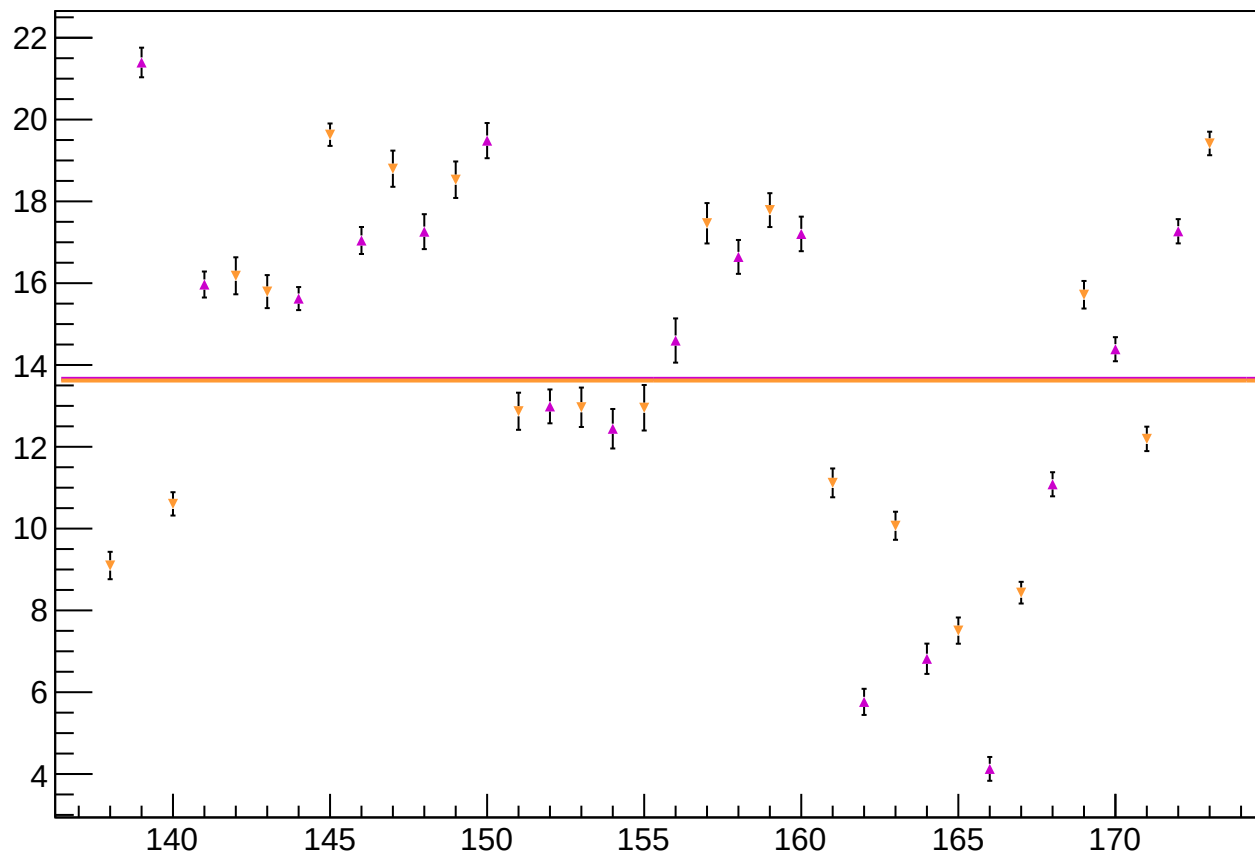
Right: 0.096 ± 0.008 $\chi^2/\text{NDF}: 792.9/35$

In: -0.149 ± 0.007 $\chi^2/\text{NDF}: 2333.2/33$

Out: -0.159 ± 0.007 $\chi^2/\text{NDF}: 1690.7/37$

All: -0.154 ± 0.005 $\chi^2/\text{NDF}: 4024.8/71$

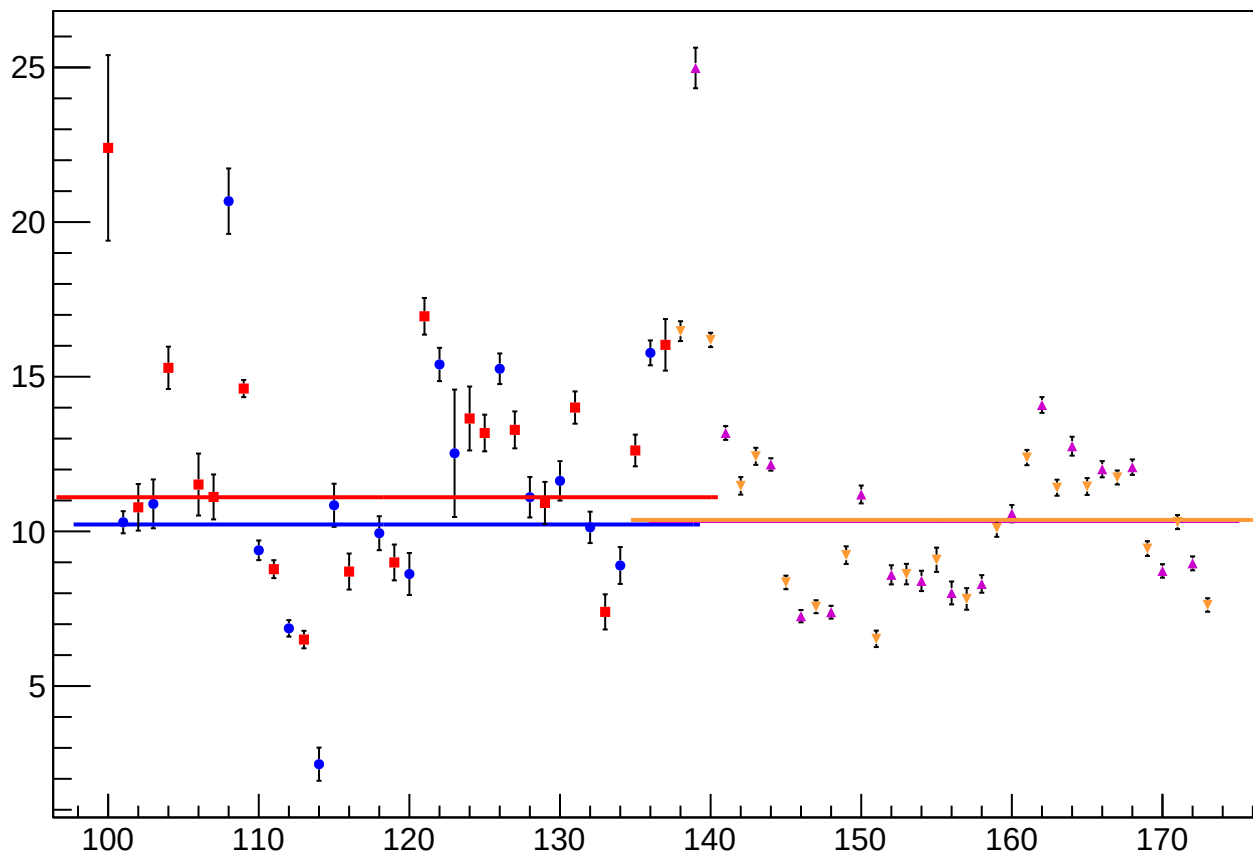
reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 13.620 $\pm$ 0.081 χ^2 /NDF:2634.7/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 13.662 $\pm$ 0.085 χ^2 /NDF:3306.3/16

Left: 13.640 $\pm$ 0.059 χ^2 /NDF: 5941.2/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 13.662 $\pm$ 0.085 χ^2 /NDF:3306.3/16
 Out: 13.620 $\pm$ 0.081 χ^2 /NDF:2634.7/18
 All: 13.640 $\pm$ 0.059 χ^2 /NDF: 5941.2/35

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: 10.370 $\pm$ 0.060 χ^2 /NDF: 1951.4/18

Right Out: 11.104 $\pm$ 0.116 χ^2 /NDF: 817.2/18

Left In: 10.335 $\pm$ 0.062 χ^2 /NDF: 1808.7/16

Left: 10.353 $\pm$ 0.043 χ^2 /NDF: 3760.2/35

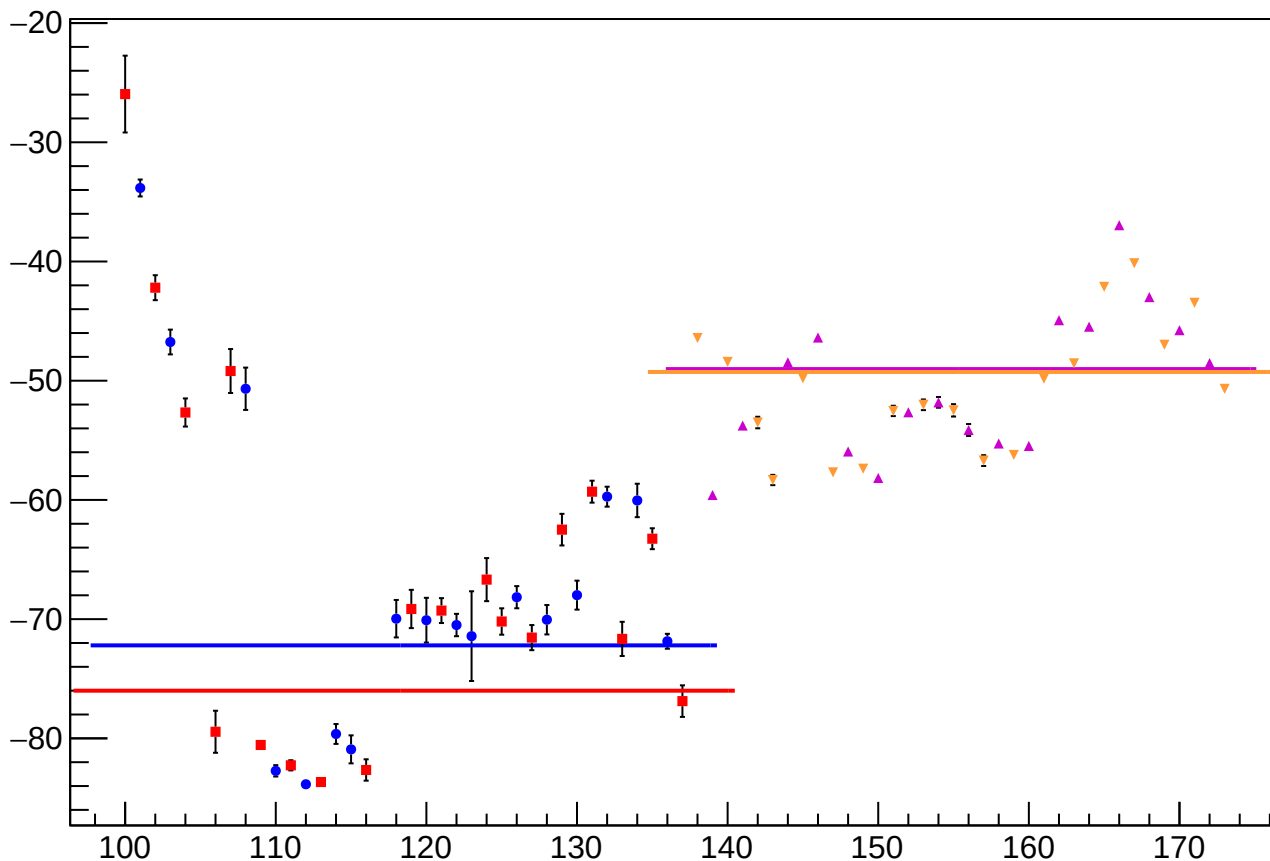
Right: 10.673 $\pm$ 0.083 χ^2 /NDF: 1722.7/35

In: 10.311 $\pm$ 0.055 χ^2 /NDF: 2686.9/33

Out: 10.523 $\pm$ 0.053 χ^2 /NDF: 2800.1/37

All: 10.421 $\pm$ 0.038 χ^2 /NDF: 5494.7/71

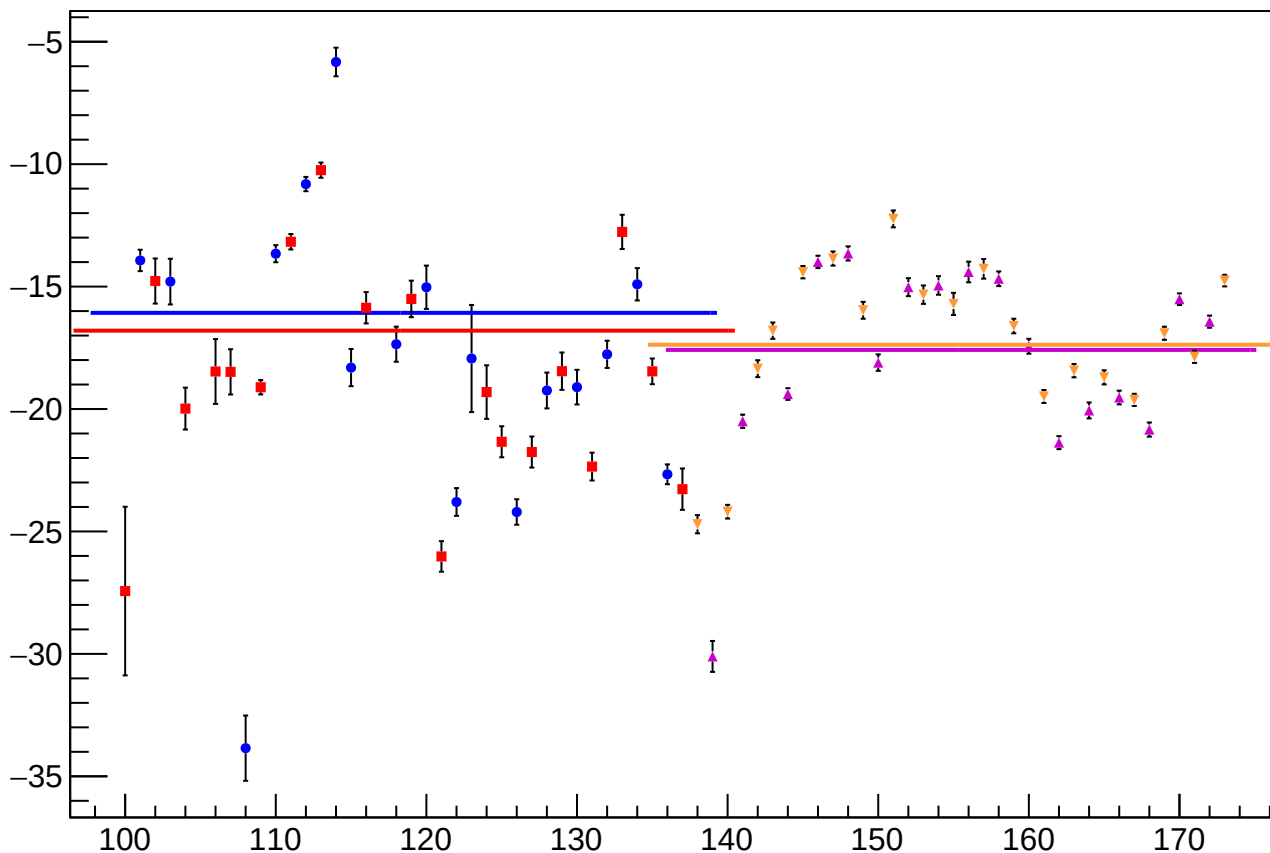
reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.201 ± 0.198 χ^2/NDF : 5566.9/16
 Left Out: -49.266 ± 0.082 χ^2/NDF : 4197.3/18
 Right Out: -76.003 ± 0.181 χ^2/NDF : 3465.4/18
 Left In: -49.026 ± 0.084 χ^2/NDF : 5041.3/16

Left: -49.149 ± 0.059 χ^2/NDF : 9242.8/35
 Right: -74.270 ± 0.133 χ^2/NDF : 9233.6/35
 In: -52.595 ± 0.078 χ^2/NDF : 22234.2/33
 Out: -53.804 ± 0.075 χ^2/NDF : 25793.1/37
 All: -53.224 ± 0.054 χ^2/NDF : 48153.6/71

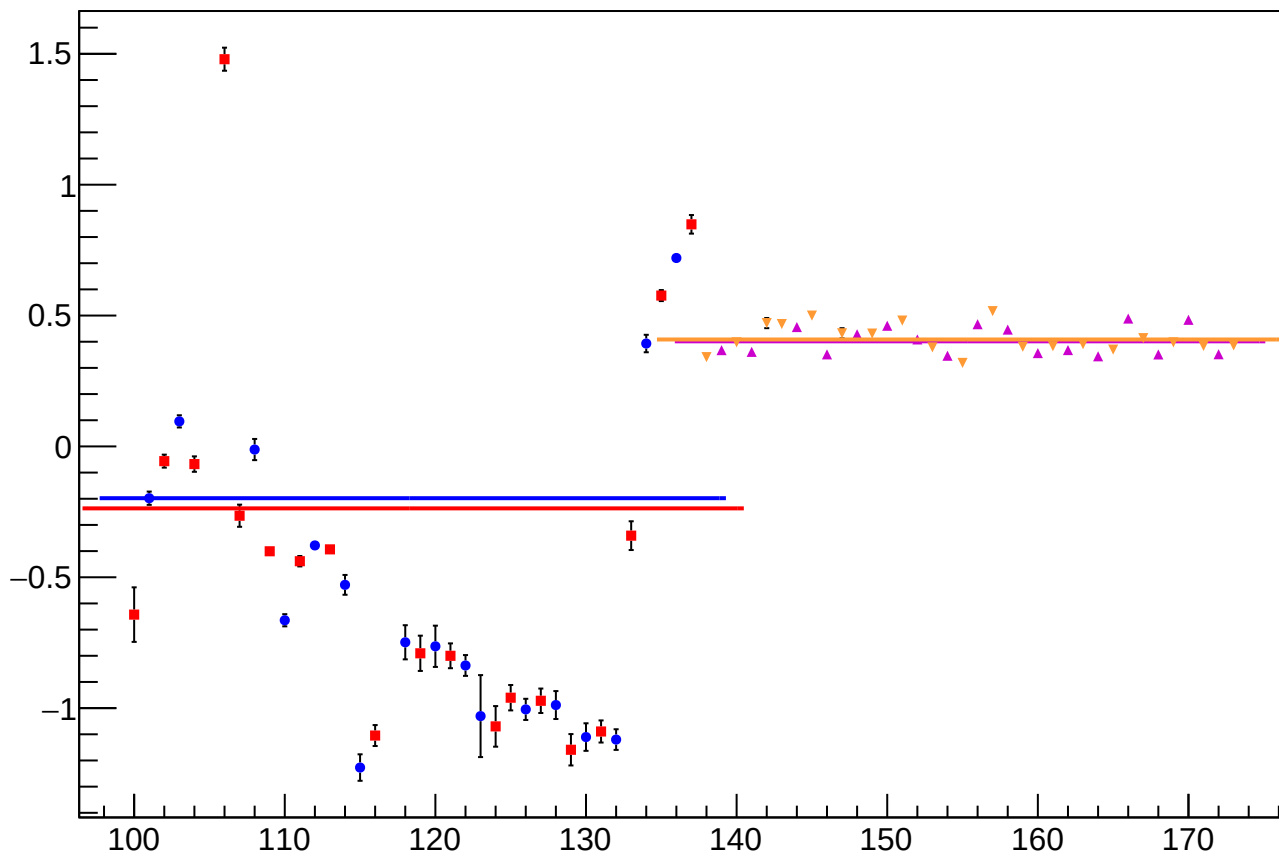
reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.072 ± 0.132 $\chi^2/\text{NDF}: 1640.9/16$
 Left Out: -17.375 ± 0.068 $\chi^2/\text{NDF}: 1937.1/18$
 Right Out: -16.799 ± 0.128 $\chi^2/\text{NDF}: 1215.8/18$
 Left In: -17.586 ± 0.072 $\chi^2/\text{NDF}: 1732.3/16$

Left: -17.475 ± 0.049 $\chi^2/\text{NDF}: 3673.9/35$
 Right: -16.447 ± 0.092 $\chi^2/\text{NDF}: 2872.2/35$
 In: -17.241 ± 0.063 $\chi^2/\text{NDF}: 3474.5/33$
 Out: -17.247 ± 0.060 $\chi^2/\text{NDF}: 3168.6/37$
 All: -17.244 ± 0.044 $\chi^2/\text{NDF}: 6643.1/71$

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.198 ± 0.008 χ^2/NDF : 6338.8/16

Left Out: 0.409 ± 0.003 χ^2/NDF : 233.7/18

Right Out: -0.237 ± 0.007 χ^2/NDF : 6221.9/18

Left In: 0.402 ± 0.003 χ^2/NDF : 272.3/16

Left: 0.405 ± 0.002 χ^2/NDF : 508.3/35

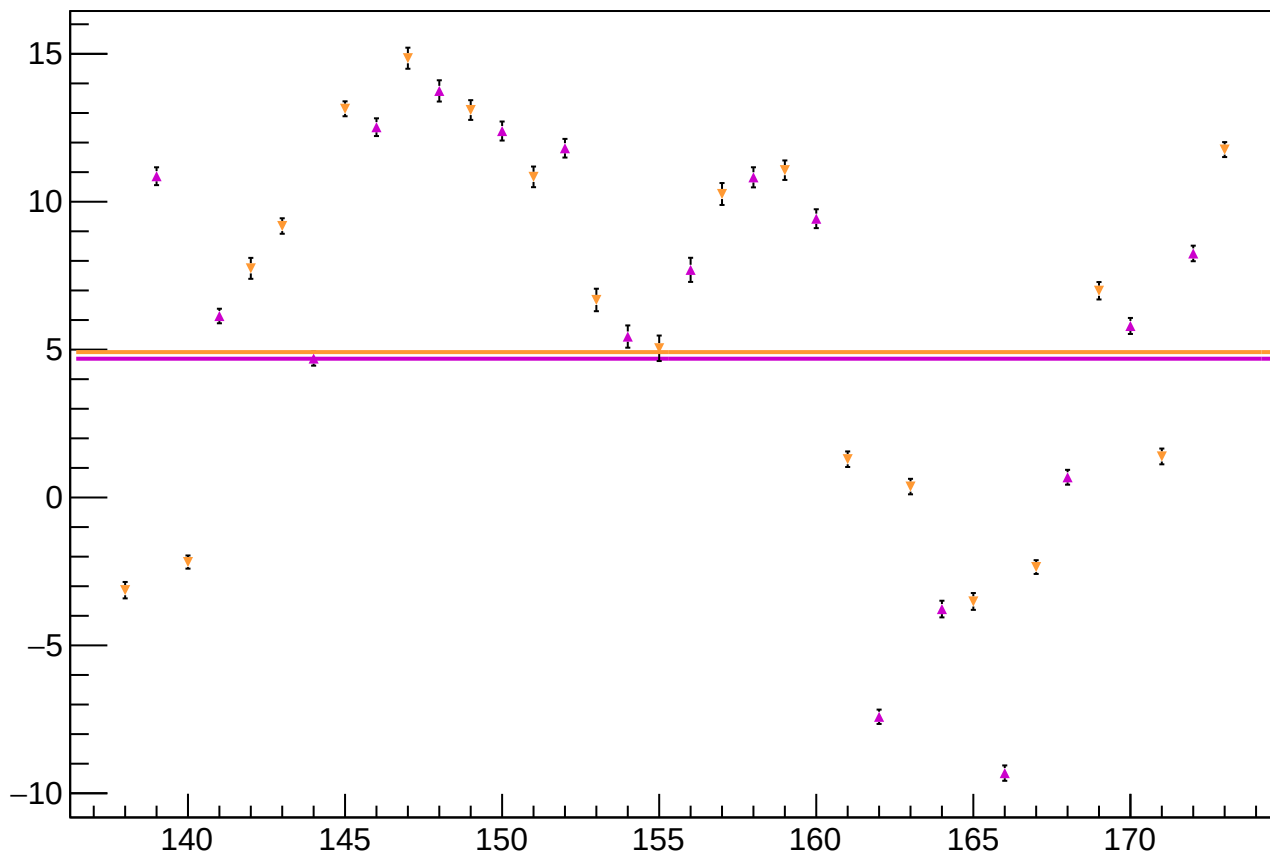
Right: -0.218 ± 0.005 χ^2/NDF : 12574.6/35

In: 0.305 ± 0.003 χ^2/NDF : 11918.0/33

Out: 0.303 ± 0.003 χ^2/NDF : 13226.1/37

All: 0.304 ± 0.002 χ^2/NDF : 25144.3/71

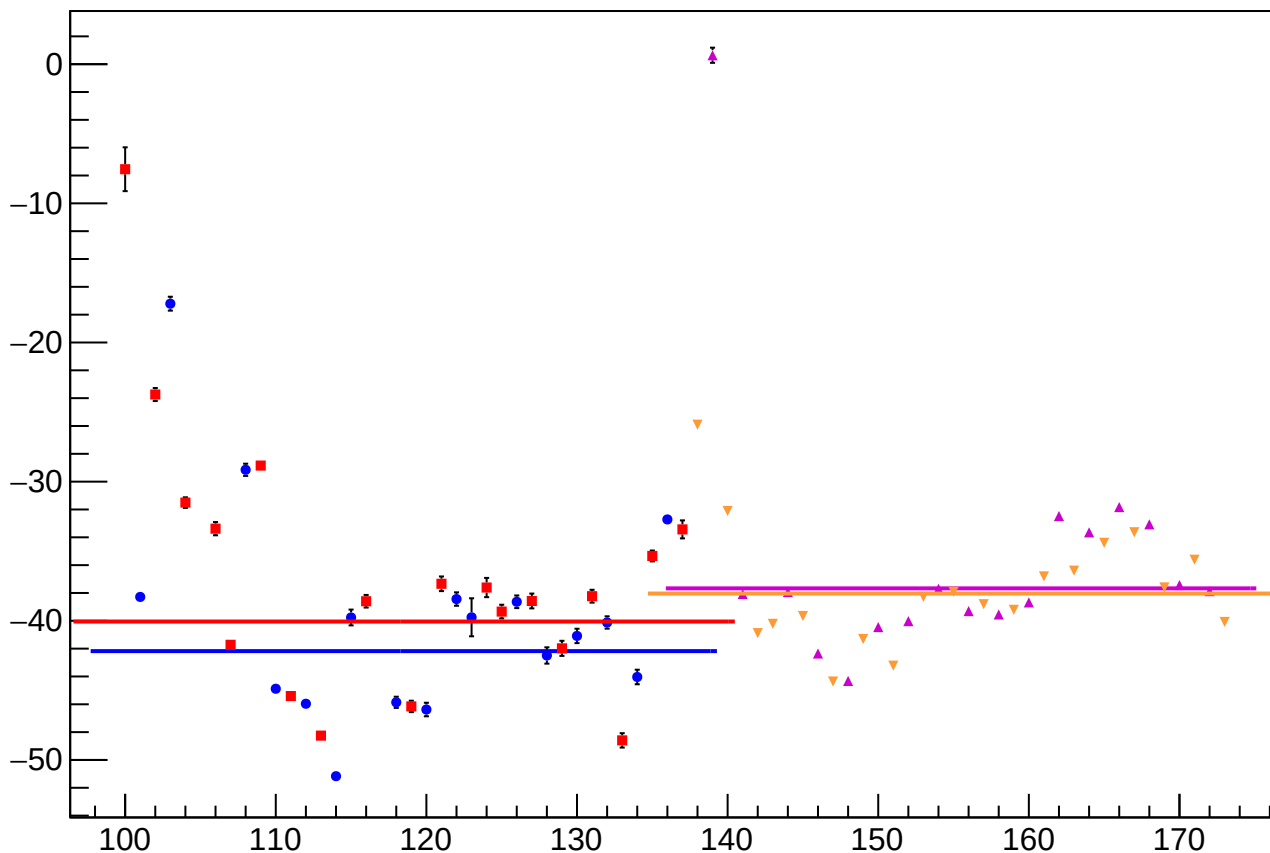
reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.916 $\pm$ 0.066 χ^2 /NDF:8790.2/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.692 $\pm$ 0.070 χ^2 /NDF:10214.5/16

Left: 4.810 $\pm$ 0.048 χ^2 /NDF: 19010.1/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 4.692 $\pm$ 0.070 χ^2 /NDF:10214.5/16
 Out: 4.916 $\pm$ 0.066 χ^2 /NDF:8790.2/18
 All: 4.810 $\pm$ 0.048 χ^2 /NDF: 19010.1/35

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.179 $\pm$ 0.078 χ^2/NDF : 6573.8/16

Left Out: -38.041 $\pm$ 0.048 χ^2/NDF : 6844.3/18

Right Out: -40.052 $\pm$ 0.073 χ^2/NDF : 11313.5/18

Left In: -37.669 $\pm$ 0.052 χ^2/NDF : 9513.8/16

Left: -37.868 $\pm$ 0.035 χ^2/NDF : 16385.8/35

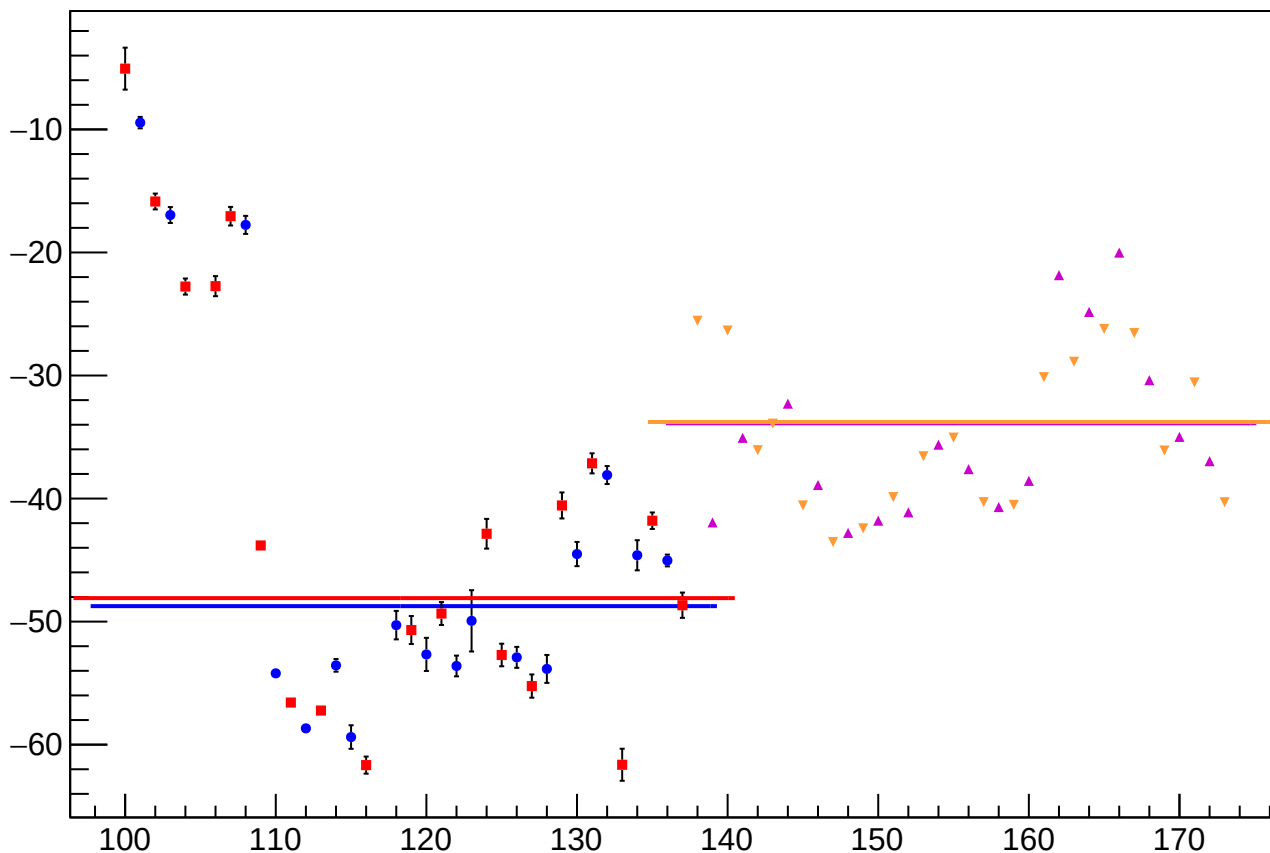
Right: -41.045 $\pm$ 0.053 χ^2/NDF : 18285.9/35

In: -39.052 $\pm$ 0.043 χ^2/NDF : 18418.7/33

Out: -38.656 $\pm$ 0.040 χ^2/NDF : 18687.6/37

All: -38.841 $\pm$ 0.029 χ^2/NDF : 37151.4/71

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: -33.775 ± 0.067 $\chi^2/\text{NDF}: 8323.1/18$

Right Out: -48.091 ± 0.107 $\chi^2/\text{NDF}: 11731.5/18$

Left In: -33.884 ± 0.069 $\chi^2/\text{NDF}: 10610.5/16$

Left: -33.827 ± 0.048 $\chi^2/\text{NDF}: 18934.9/35$

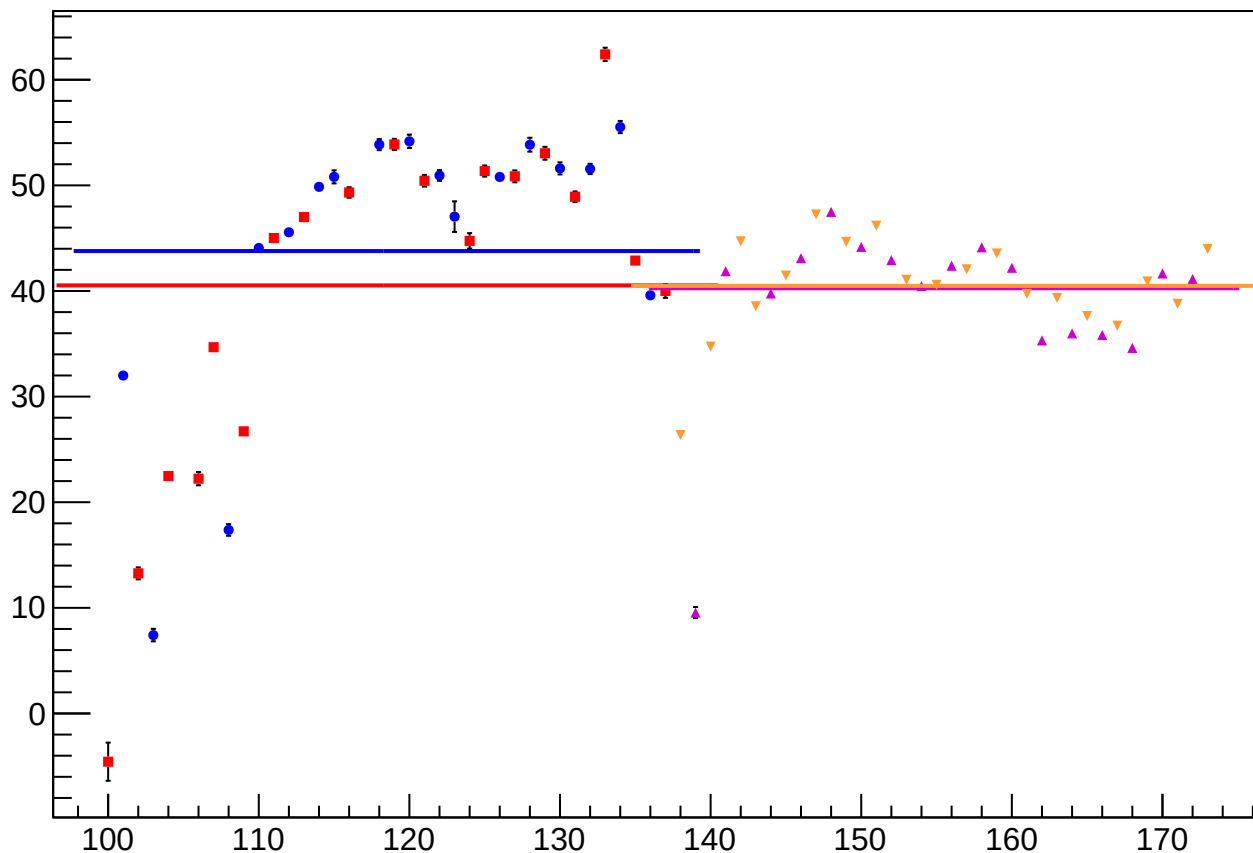
Right: -48.369 ± 0.081 $\chi^2/\text{NDF}: 26405.8/35$

In: -37.413 ± 0.061 $\chi^2/\text{NDF}: 36142.3/33$

Out: -37.760 ± 0.057 $\chi^2/\text{NDF}: 32919.2/37$

All: -37.599 ± 0.041 $\chi^2/\text{NDF}: 69079.0/71$

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: 40.487 $\pm$ 0.055 χ^2 /NDF: 5656.7/18

Right Out: 40.530 $\pm$ 0.080 χ^2 /NDF: 17580.7/18

Left In: 40.256 $\pm$ 0.059 χ^2 /NDF: 6995.0/16

Left: 40.379 $\pm$ 0.041 χ^2 /NDF: 12659.8/35

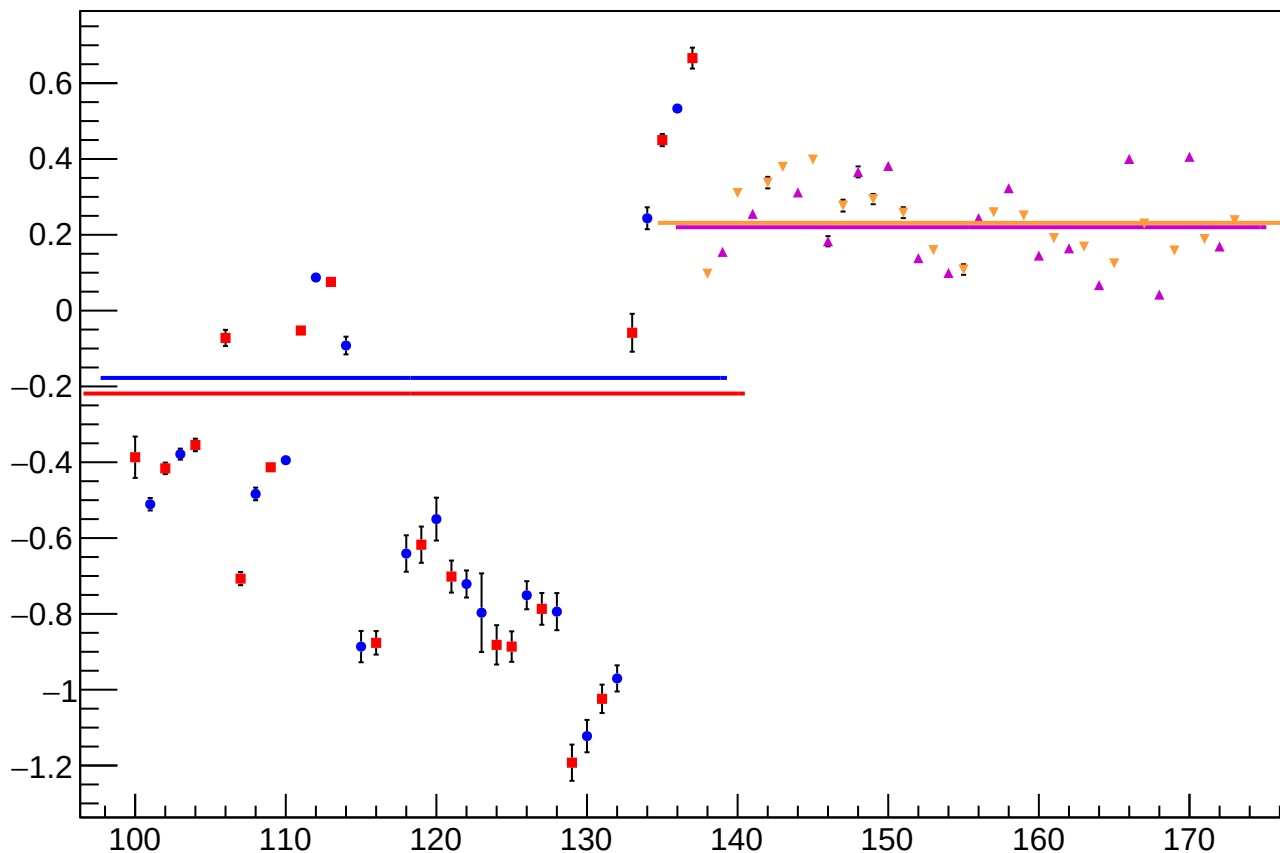
Right: 42.031 $\pm$ 0.059 χ^2 /NDF: 28978.3/35

In: 41.380 $\pm$ 0.049 χ^2 /NDF: 18762.7/33

Out: 40.501 $\pm$ 0.046 χ^2 /NDF: 23237.6/37

All: 40.910 $\pm$ 0.033 χ^2 /NDF: 42172.8/71

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.178 ± 0.005 χ^2/NDF : 7375.8/16

Left Out: 0.231 ± 0.003 χ^2/NDF : 1016.5/18

Right Out: -0.219 ± 0.004 χ^2/NDF : 7470.0/18

Left In: 0.220 ± 0.003 χ^2/NDF : 1830.6/16

Left: 0.226 ± 0.002 χ^2/NDF : 2856.6/35

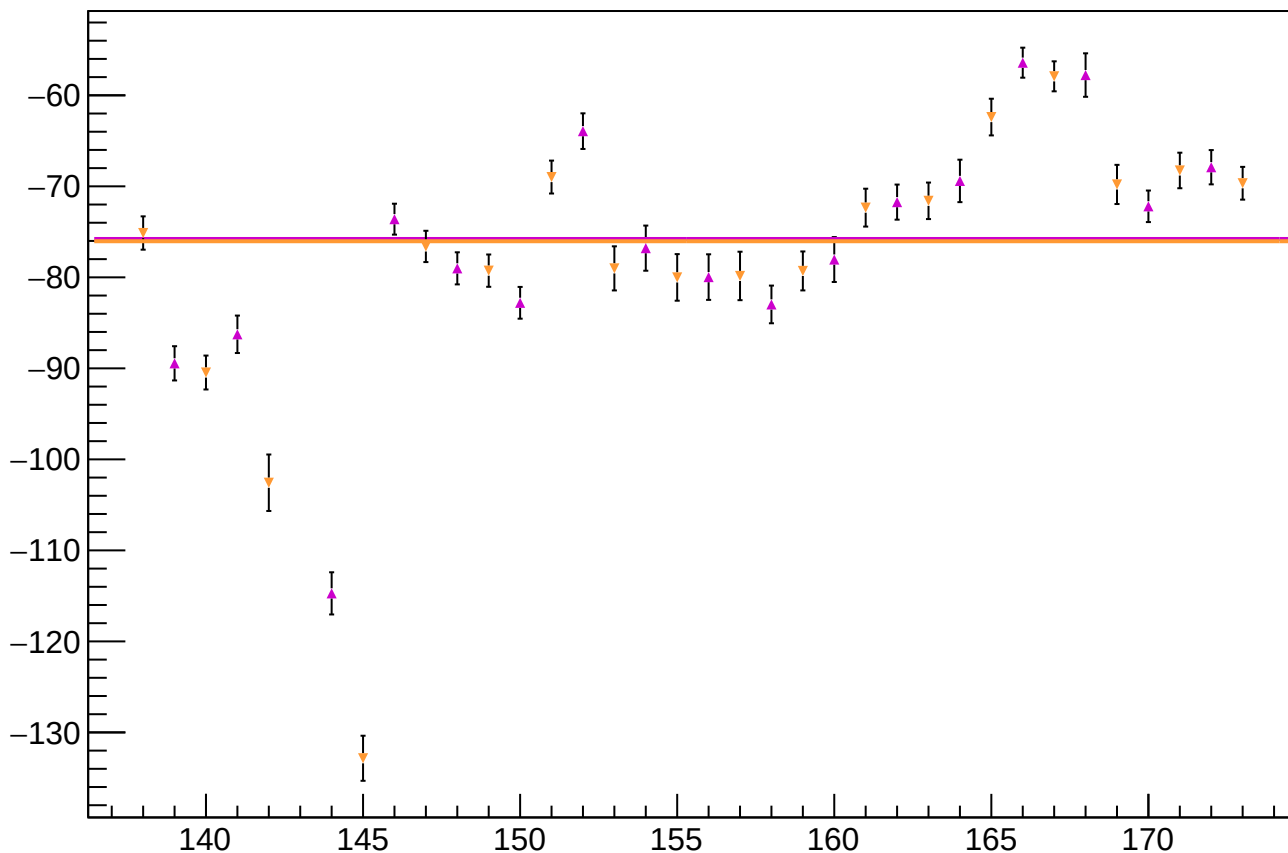
Right: -0.201 ± 0.003 χ^2/NDF : 14886.5/35

In: 0.125 ± 0.002 χ^2/NDF : 14344.9/33

Out: 0.112 ± 0.002 χ^2/NDF : 16531.9/37

All: 0.118 ± 0.002 χ^2/NDF : 30892.9/71

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -76.032+/-0.478 χ^2/NDF : 898.4/17

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

Left In: -75.785+/-0.483 χ^2/NDF : 663.0/16

Left: -75.910+/-0.340 χ^2/NDF : 1561.4/34

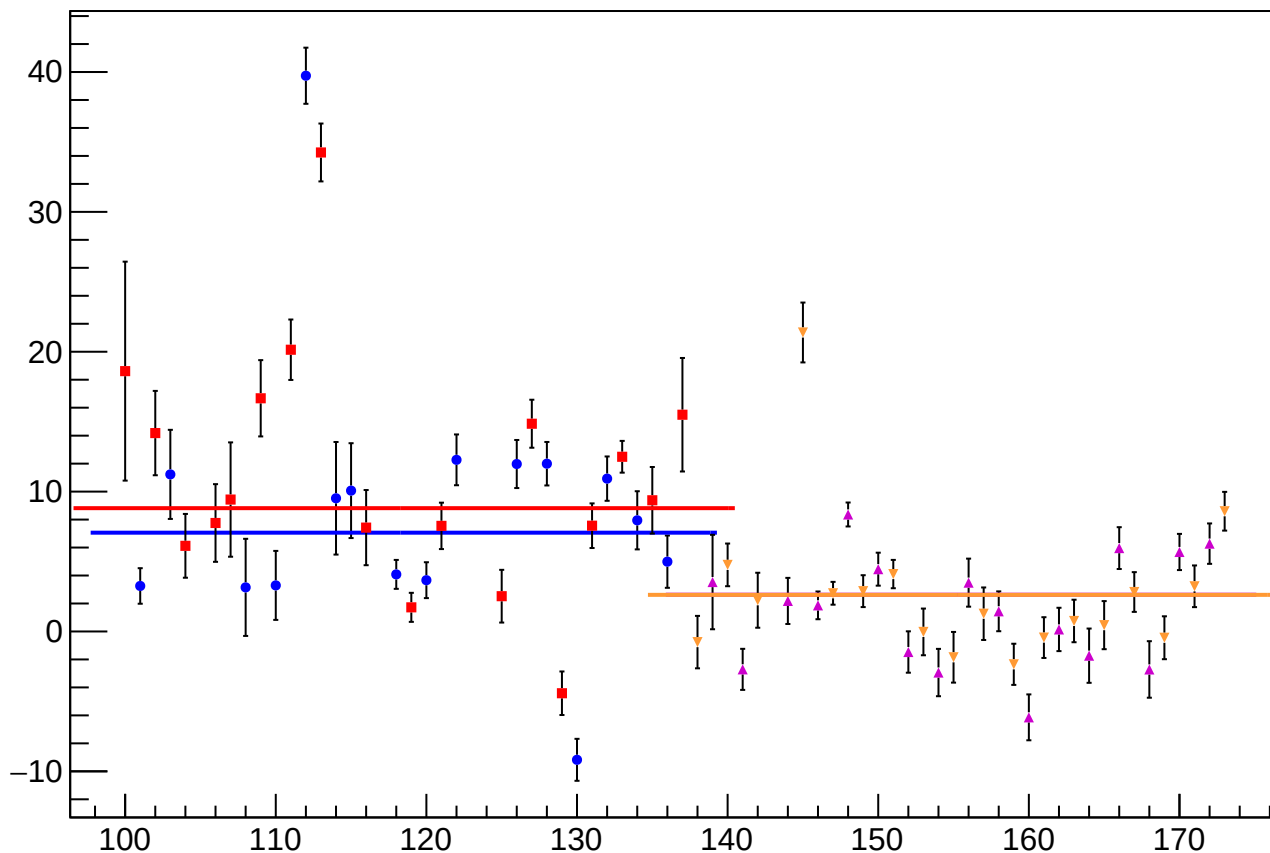
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -75.785+/-0.483 χ^2/NDF : 663.0/16

Out: -76.032+/-0.478 χ^2/NDF : 898.4/17

All: -75.910+/-0.340 χ^2/NDF : 1561.4/34

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.063 $\pm$ 0.434 χ^2 /NDF: 446.9/15

Left Out: 2.618 $\pm$ 0.334 χ^2 /NDF:135.1/17

Right Out: 8.816 $\pm$ 0.449 χ^2 /NDF: 350.4/17

Left In: 2.628 $\pm$ 0.343 χ^2 /NDF:140.8/16

Left: 2.623 $\pm$ 0.239 χ^2 /NDF: 275.9/34

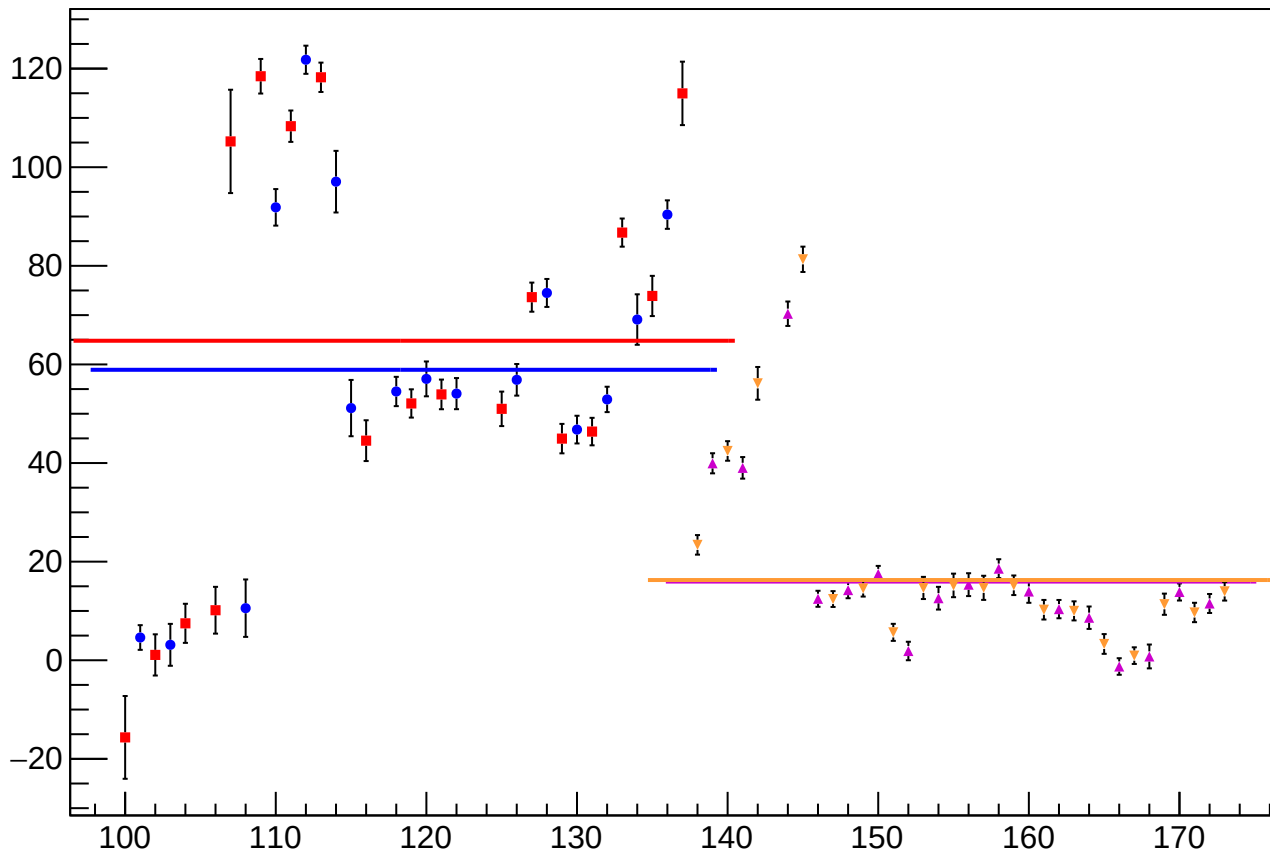
Right: 7.909 $\pm$ 0.312 χ^2 /NDF: 805.1/33

In: 4.338 $\pm$ 0.269 χ^2 /NDF:651.9/32

Out: 4.822 $\pm$ 0.268 χ^2 /NDF:608.3/35

All: 4.581 $\pm$ 0.190 χ^2 /NDF: 1261.8/68

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.913+/-0.831 χ^2/NDF : 1496.7/15

Left Out: 16.270+/-0.471 χ^2/NDF :1180.6/17

Right Out: 64.803+/-0.840 χ^2/NDF : 1718.2/17

Left In: 15.959+/-0.473 χ^2/NDF :968.9/16

Left: 16.115+/-0.334 χ^2/NDF : 2149.6/34

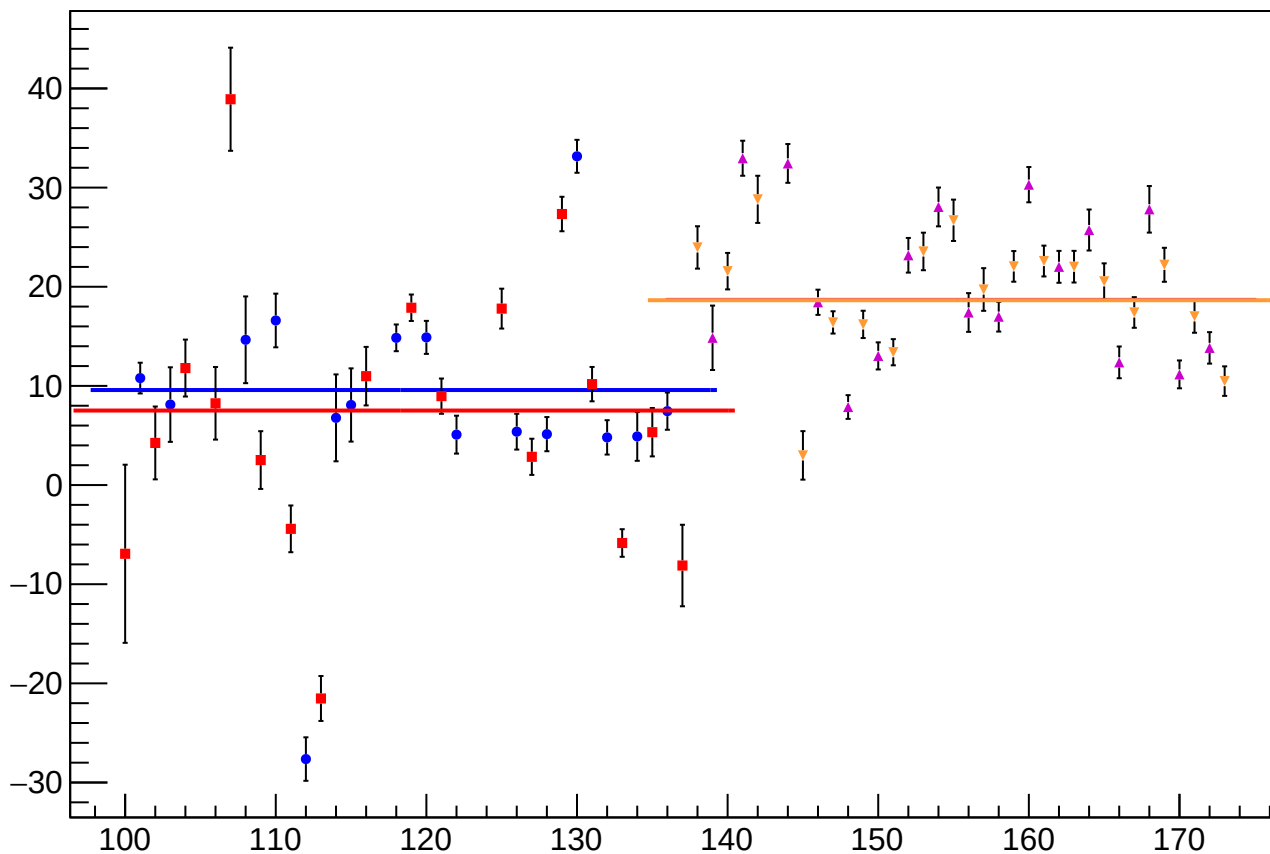
Right: 61.827+/-0.591 χ^2/NDF : 3239.7/33

In: 26.470+/-0.411 χ^2/NDF :4481.5/32

Out: 27.868+/-0.411 χ^2/NDF :5437.7/35

All: 27.170+/-0.291 χ^2/NDF : 9925.0/68

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.583 ± 0.501 χ^2/NDF : 554.4/15

Left Out: 18.641 ± 0.390 χ^2/NDF : 165.7/17

Right Out: 7.516 ± 0.516 χ^2/NDF : 569.8/17

Left In: 18.675 ± 0.400 χ^2/NDF : 373.4/16

Left: 18.657 ± 0.279 χ^2/NDF : 539.1/34

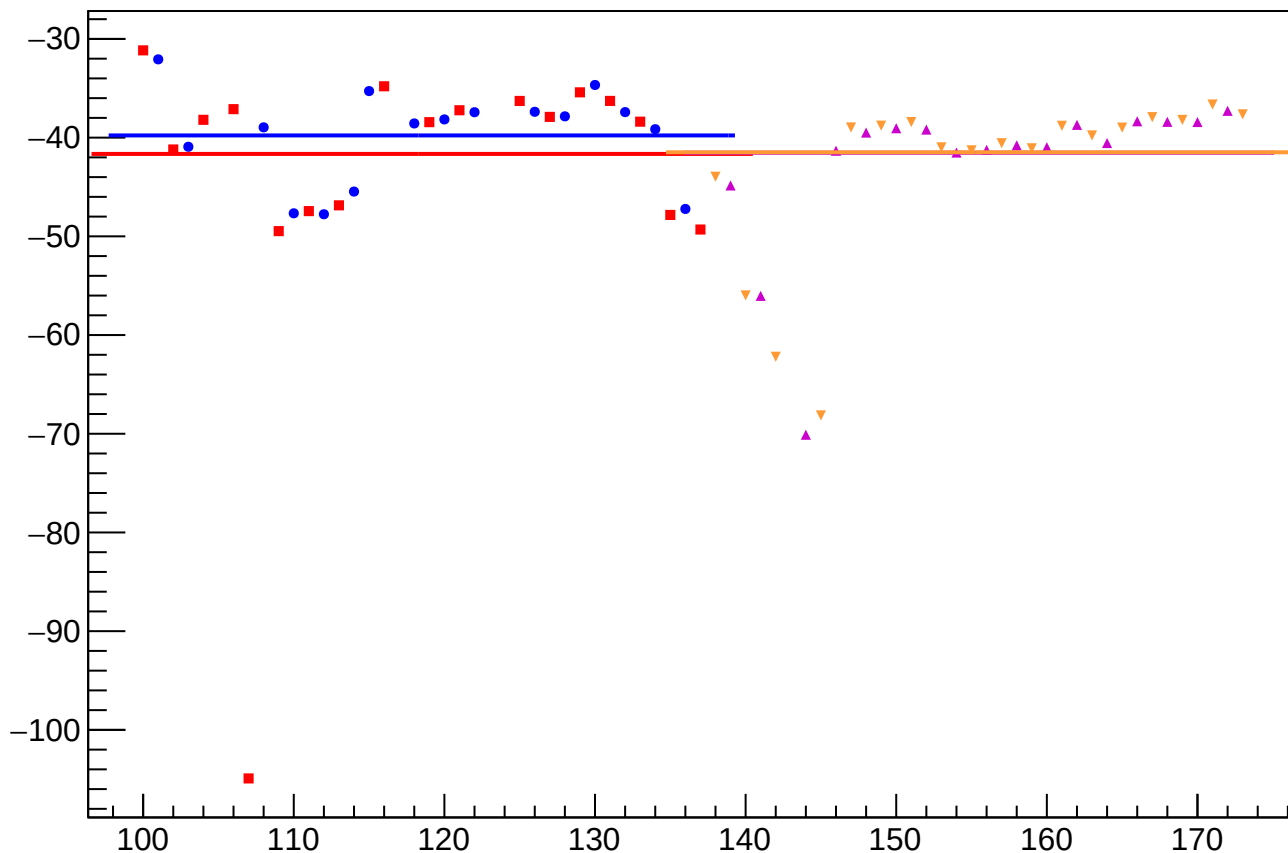
Right: 8.579 ± 0.359 χ^2/NDF : 1132.5/33

In: 15.132 ± 0.313 χ^2/NDF : 1128.7/32

Out: 14.596 ± 0.311 χ^2/NDF : 1031.7/35

All: 14.862 ± 0.221 χ^2/NDF : 2161.9/68

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.777 ± 0.031 χ^2/NDF : 26158.0/15

Left Out: -41.484 ± 0.018 χ^2/NDF : 141355.8/17

Right Out: -41.651 ± 0.031 χ^2/NDF : 94457.5/17

Left In: -41.531 ± 0.019 χ^2/NDF : 112142.0/16

Left: -41.507 ± 0.013 χ^2/NDF : 253501.1/34

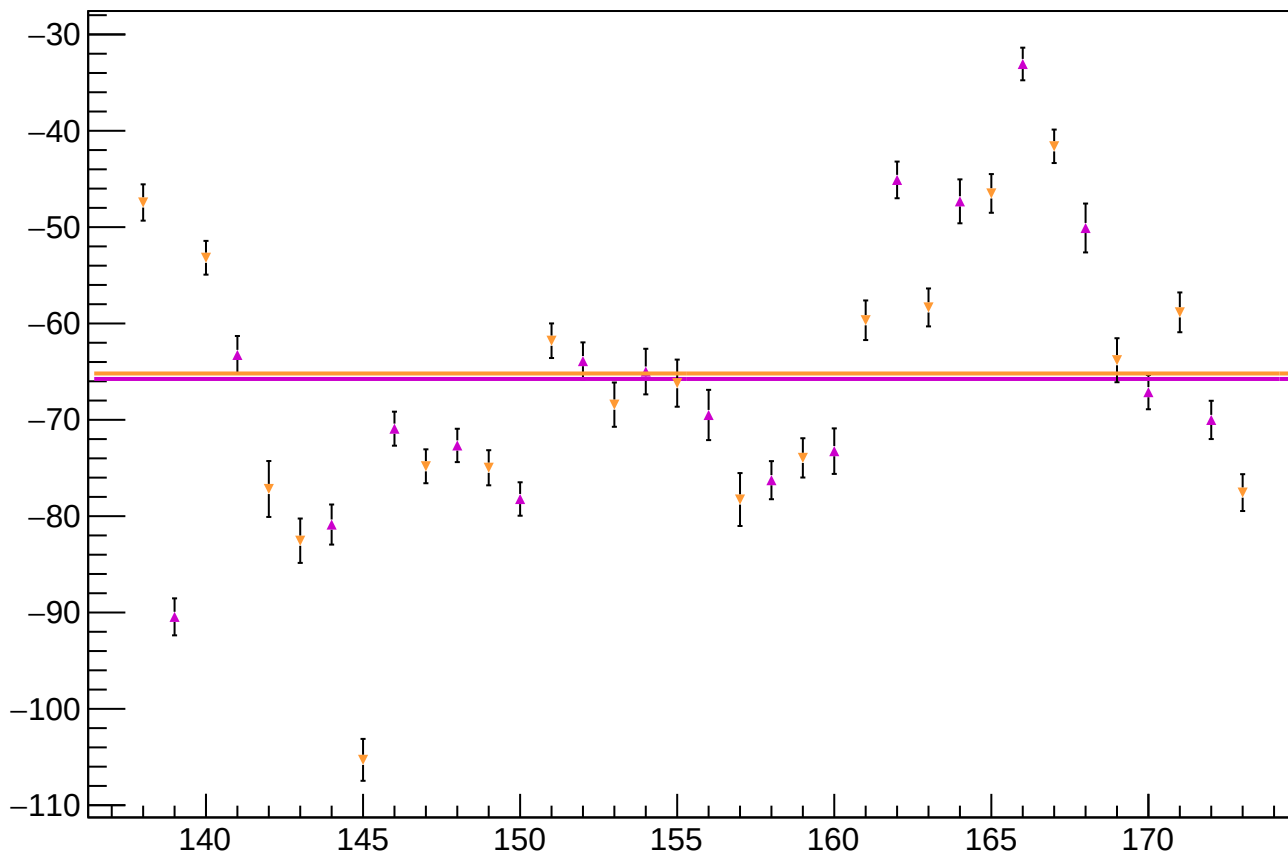
Right: -40.710 ± 0.022 χ^2/NDF : 122427.7/33

In: -41.069 ± 0.016 χ^2/NDF : 140648.5/32

Out: -41.527 ± 0.016 χ^2/NDF : 235834.6/35

All: -41.299 ± 0.011 χ^2/NDF : 376897.4/68

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -65.191+/-0.468 χ^2/NDF :997.3/18

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

Left In: -65.761+/-0.481 χ^2/NDF :936.4/16

Left: -65.468+/-0.336 χ^2/NDF : 1934.4/35

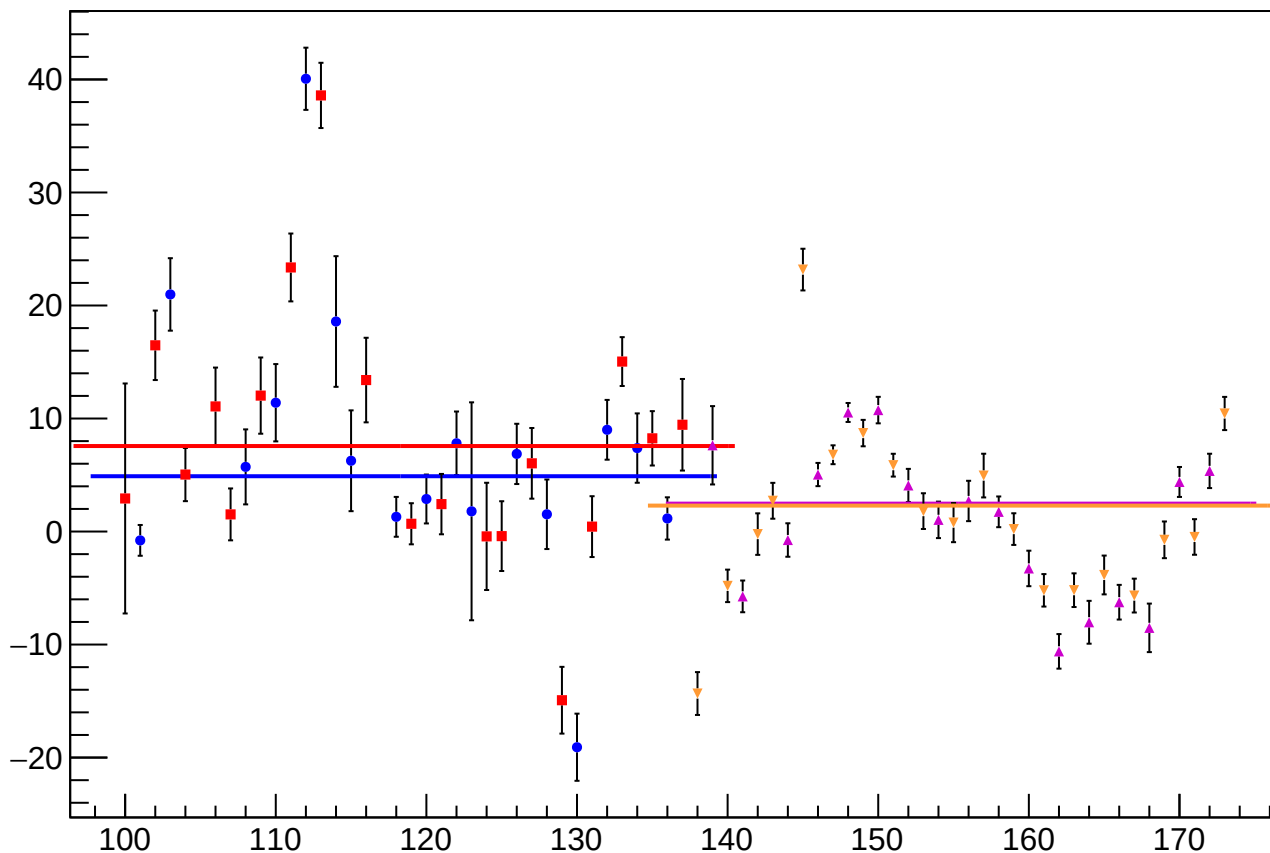
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -65.761+/-0.481 χ^2/NDF :936.4/16

Out: -65.191+/-0.468 χ^2/NDF :997.3/18

All: -65.468+/-0.336 χ^2/NDF : 1934.4/35

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.894 $\pm$ 0.621 χ^2 /NDF: 295.4/16

Left Out: 2.295 $\pm$ 0.327 χ^2 /NDF:439.0/18

Right Out: 7.565 $\pm$ 0.652 χ^2 /NDF: 270.2/18

Left In: 2.469 $\pm$ 0.341 χ^2 /NDF:373.2/16

Left: 2.378 $\pm$ 0.236 χ^2 /NDF: 812.4/35

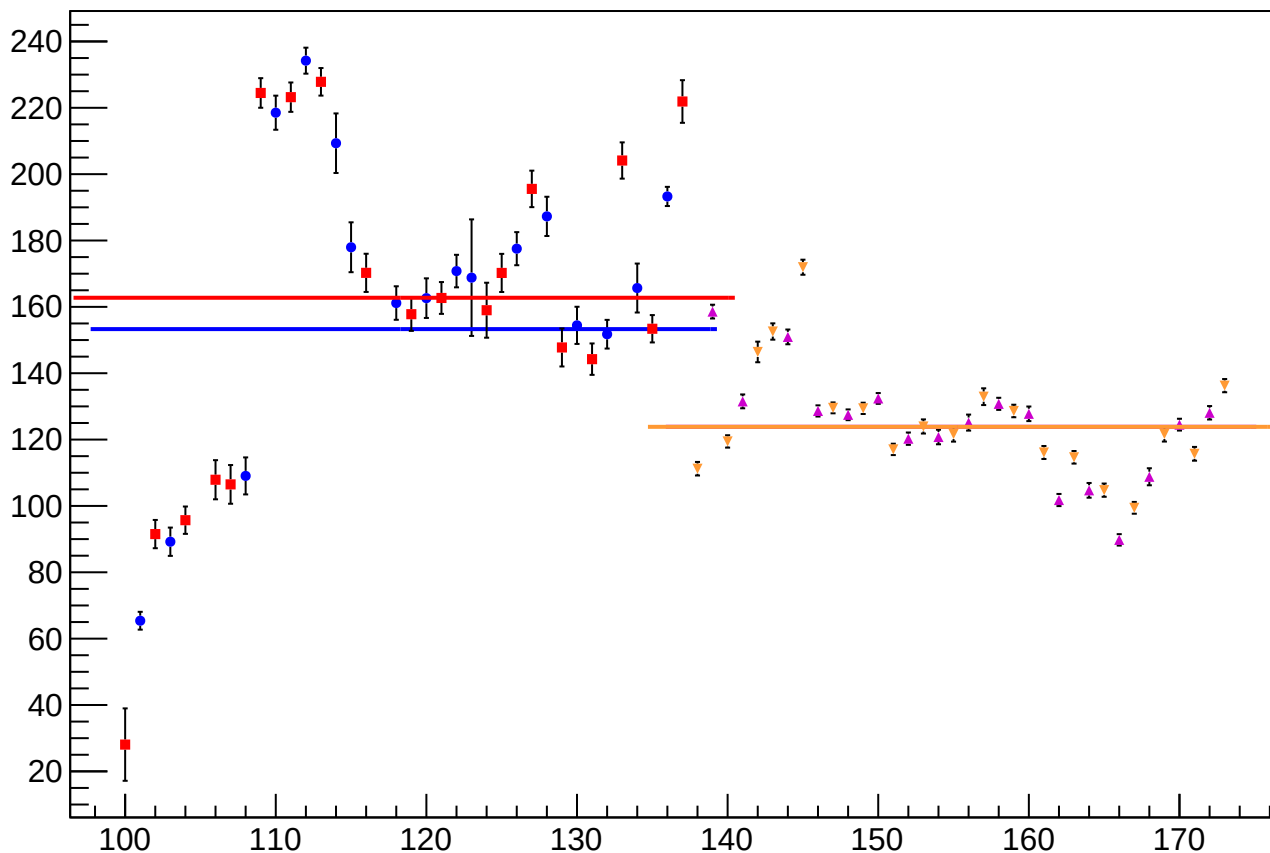
Right: 6.165 $\pm$ 0.450 χ^2 /NDF: 574.4/35

In: 3.030 $\pm$ 0.299 χ^2 /NDF:680.3/33

Out: 3.353 $\pm$ 0.292 χ^2 /NDF:761.5/37

All: 3.195 $\pm$ 0.209 χ^2 /NDF: 1442.4/71

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 153.298 $\pm$ 1.145 χ^2 /NDF: 2266.8/16

Left Out: 123.841 $\pm$ 0.463 χ^2 /NDF:1114.9/18

Right Out: 162.747 $\pm$ 1.177 χ^2 /NDF: 1708.7/18

Left In: 123.854 $\pm$ 0.472 χ^2 /NDF:1154.1/16

Left: 123.847 $\pm$ 0.330 χ^2 /NDF: 2268.9/35

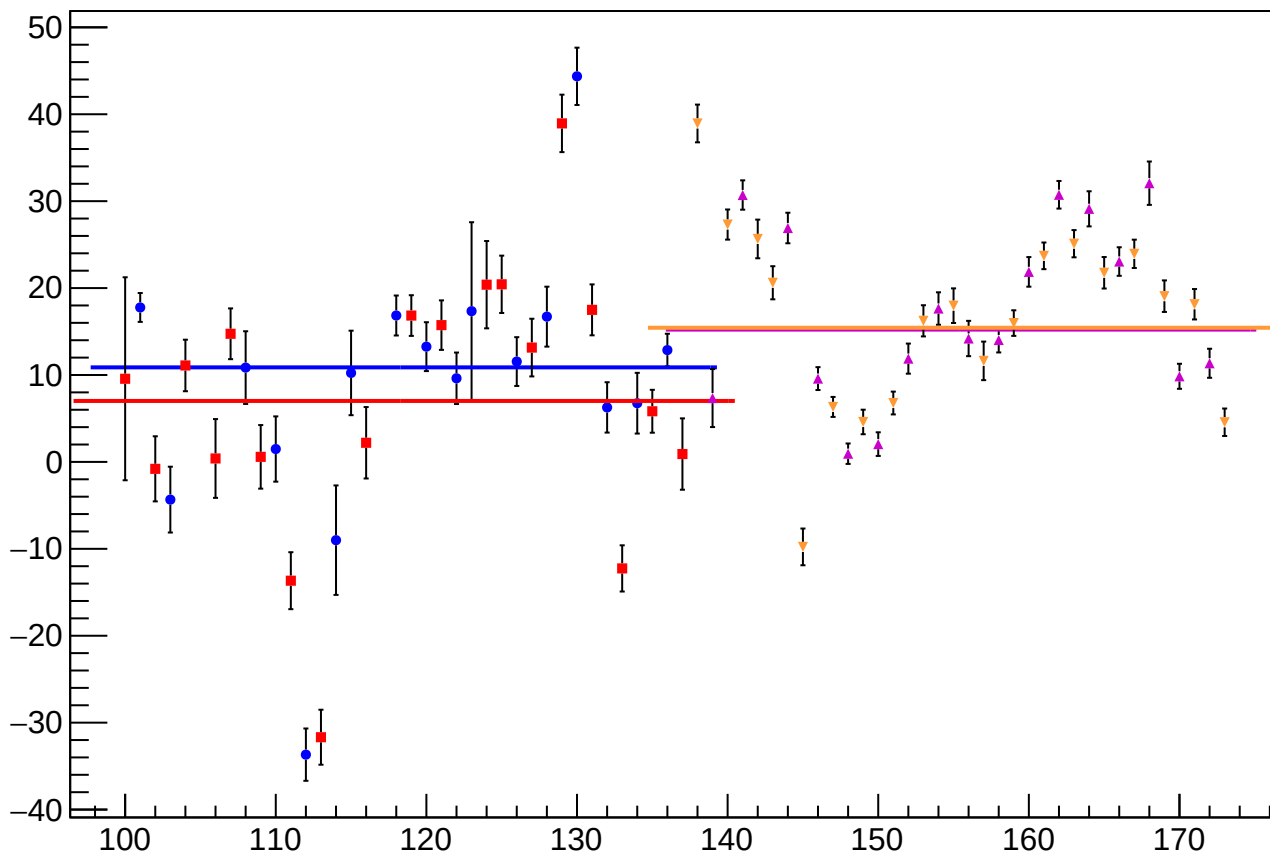
Right: 157.893 $\pm$ 0.820 χ^2 /NDF: 4008.6/35

In: 128.128 $\pm$ 0.436 χ^2 /NDF:3986.4/33

Out: 129.050 $\pm$ 0.431 χ^2 /NDF:3770.6/37

All: 128.595 $\pm$ 0.306 χ^2 /NDF: 7759.2/71

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: 15.437 $\pm$ 0.382 χ^2 /NDF:665.6/18

Right Out: 7.014 $\pm$ 0.748 χ^2 /NDF: 424.5/18

Left In: 15.223 $\pm$ 0.398 χ^2 /NDF:645.8/16

Left: 15.334 $\pm$ 0.276 χ^2 /NDF: 1311.6/35

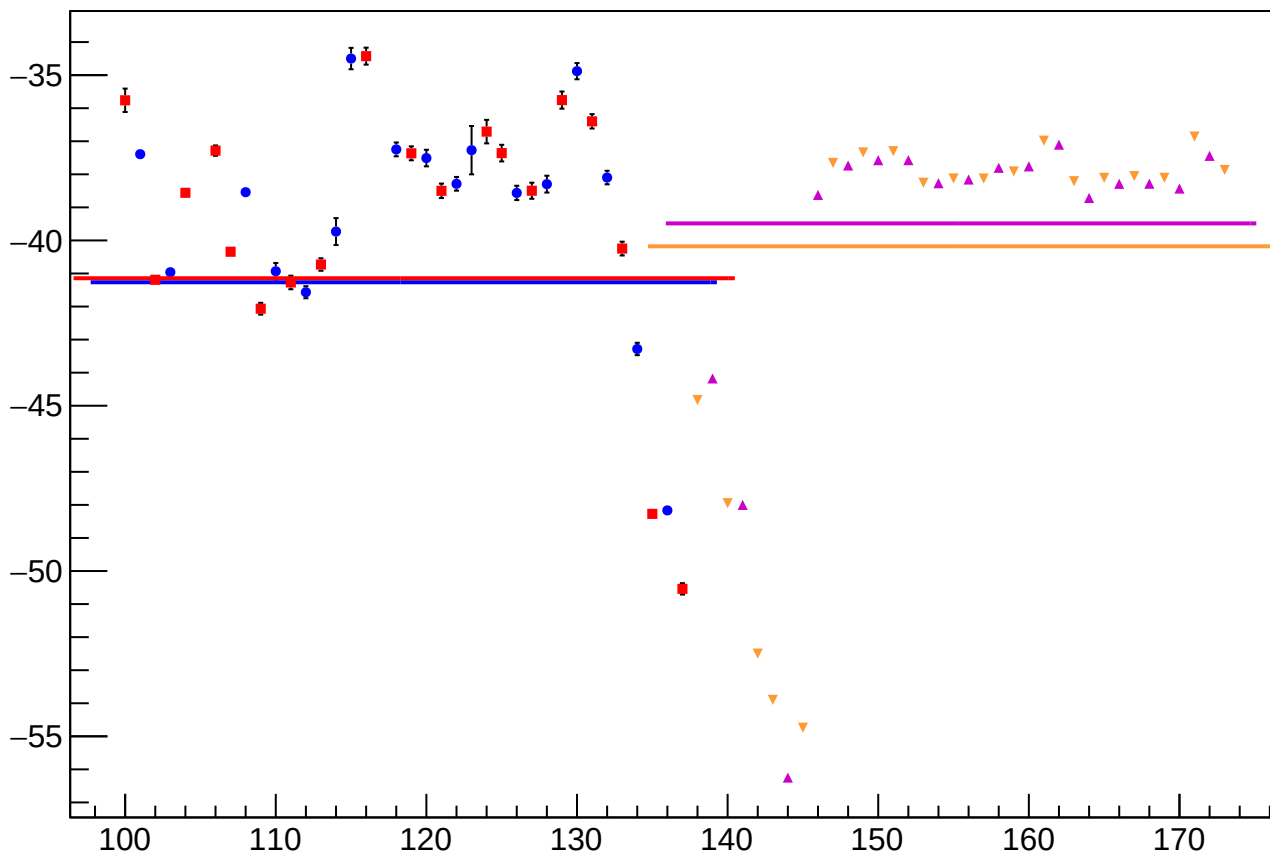
Right: 9.038 $\pm$ 0.516 χ^2 /NDF: 826.6/35

In: 14.192 $\pm$ 0.348 χ^2 /NDF:1062.2/33

Out: 13.696 $\pm$ 0.340 χ^2 /NDF:1190.7/37

All: 13.938 $\pm$ 0.243 χ^2 /NDF: 2253.9/71

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.265 ± 0.038 $\chi^2/\text{NDF}: 12570.1/16$

Left Out: -40.177 ± 0.018 $\chi^2/\text{NDF}: 82624.4/18$

Right Out: -41.144 ± 0.039 $\chi^2/\text{NDF}: 12218.7/18$

Left In: -39.485 ± 0.019 $\chi^2/\text{NDF}: 50329.5/16$

Left: -39.838 ± 0.013 $\chi^2/\text{NDF}: 133664.4/35$

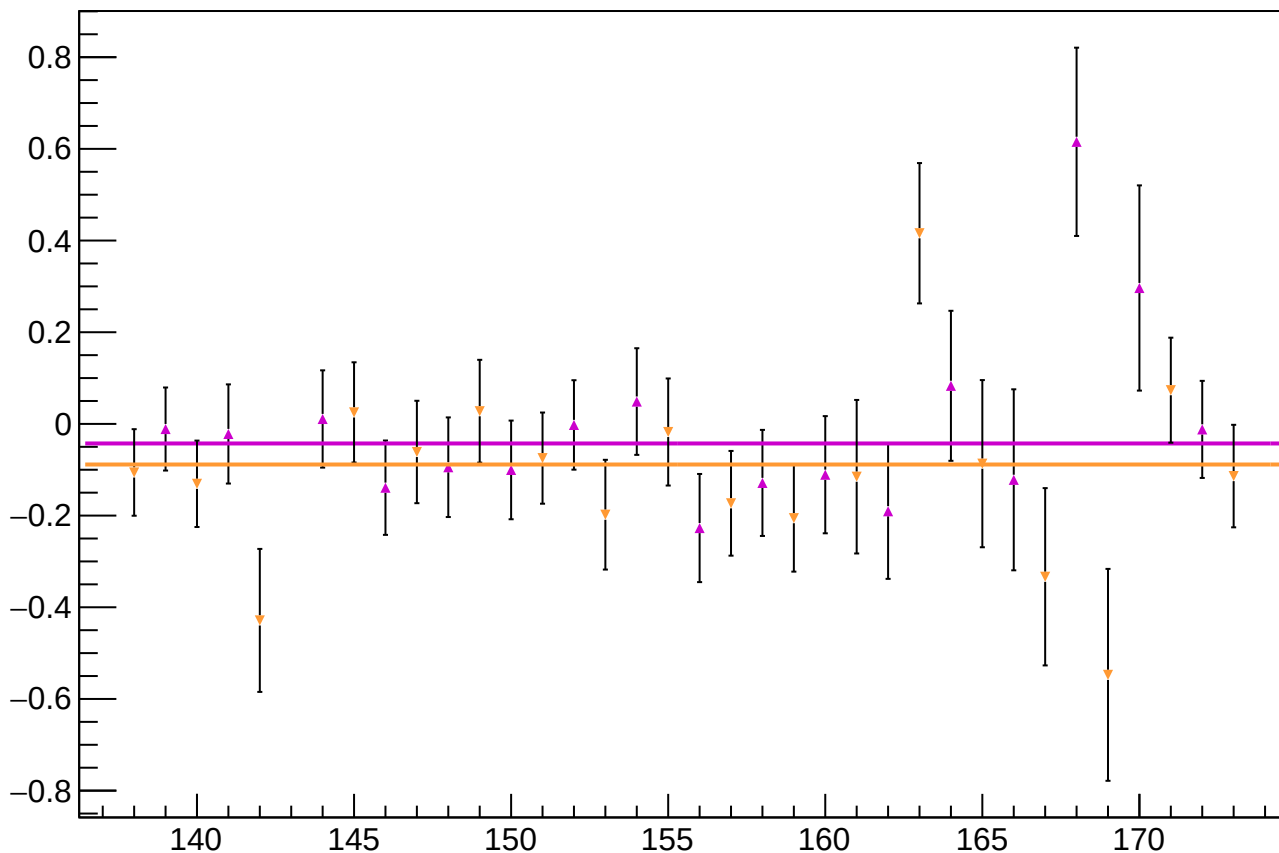
Right: -41.205 ± 0.027 $\chi^2/\text{NDF}: 24793.7/35$

In: -39.820 ± 0.017 $\chi^2/\text{NDF}: 64636.1/33$

Out: -40.352 ± 0.016 $\chi^2/\text{NDF}: 95356.4/37$

All: -40.090 ± 0.012 $\chi^2/\text{NDF}: 160508.1/71$

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: -0.089 $\pm$ 0.029 χ^2 /NDF:28.5/17

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

Left In: -0.043 $\pm$ 0.029 χ^2 /NDF:20.3/16

Left: -0.066 $\pm$ 0.020 χ^2 /NDF: 50.0/34

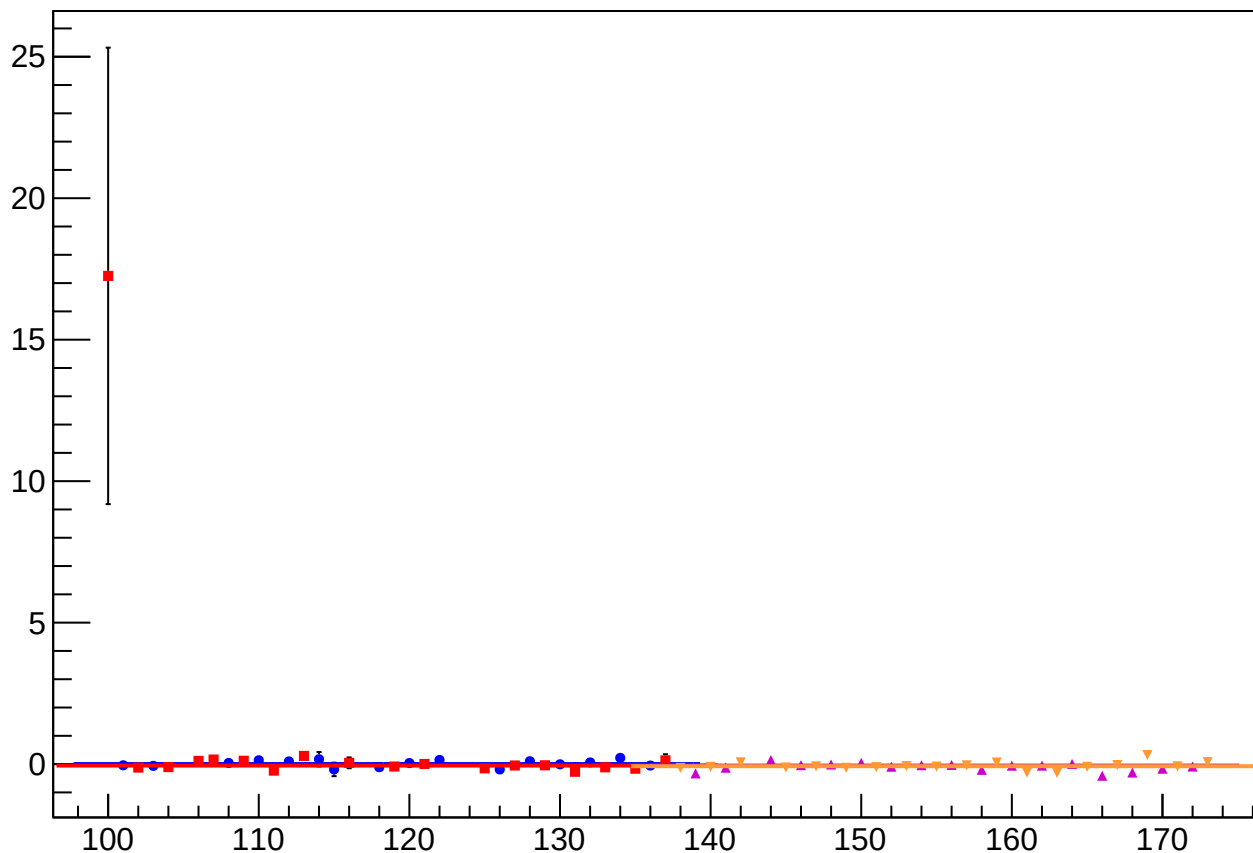
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.043 $\pm$ 0.029 χ^2 /NDF:20.3/16

Out: -0.089 $\pm$ 0.029 χ^2 /NDF:28.5/17

All: -0.066 $\pm$ 0.020 χ^2 /NDF: 50.0/34

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: -0.074 ± 0.020 $\chi^2/\text{NDF}: 22.7/17$

Right Out: -0.051 ± 0.029 $\chi^2/\text{NDF}: 25.8/17$

Left In: -0.053 ± 0.021 $\chi^2/\text{NDF}: 23.5/16$

Left: -0.064 ± 0.014 $\chi^2/\text{NDF}: 46.8/34$

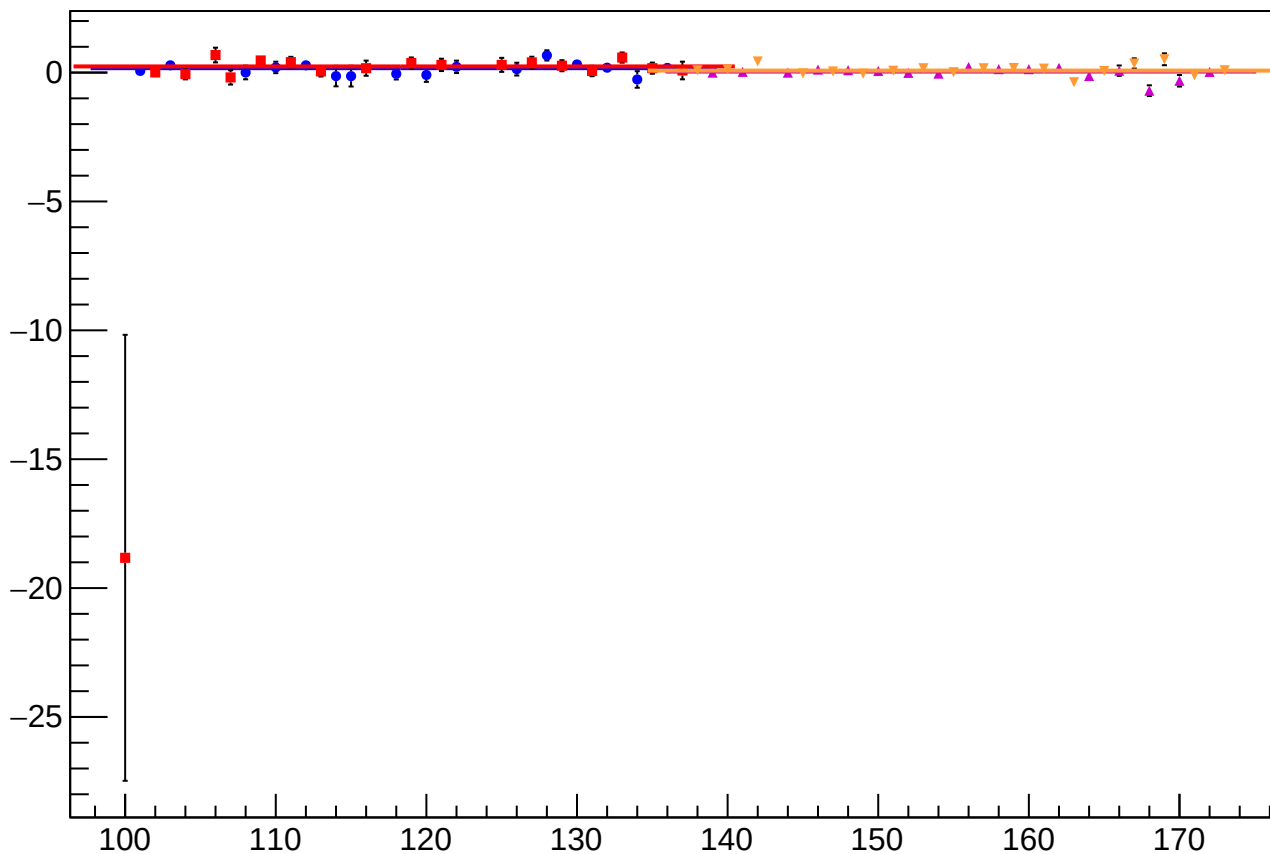
Right: -0.024 ± 0.020 $\chi^2/\text{NDF}: 40.0/33$

In: -0.034 ± 0.017 $\chi^2/\text{NDF}: 38.5/32$

Out: -0.067 ± 0.017 $\chi^2/\text{NDF}: 48.9/35$

All: -0.050 ± 0.012 $\chi^2/\text{NDF}: 89.4/68$

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.171+/-0.052 χ^2/NDF : 13.7/15

Left Out: 0.077+/-0.028 χ^2/NDF : 27.3/17

Right Out: 0.239+/-0.054 χ^2/NDF : 21.8/17

Left In: 0.039+/-0.028 χ^2/NDF : 23.7/16

Left: 0.058+/-0.020 χ^2/NDF : 51.9/34

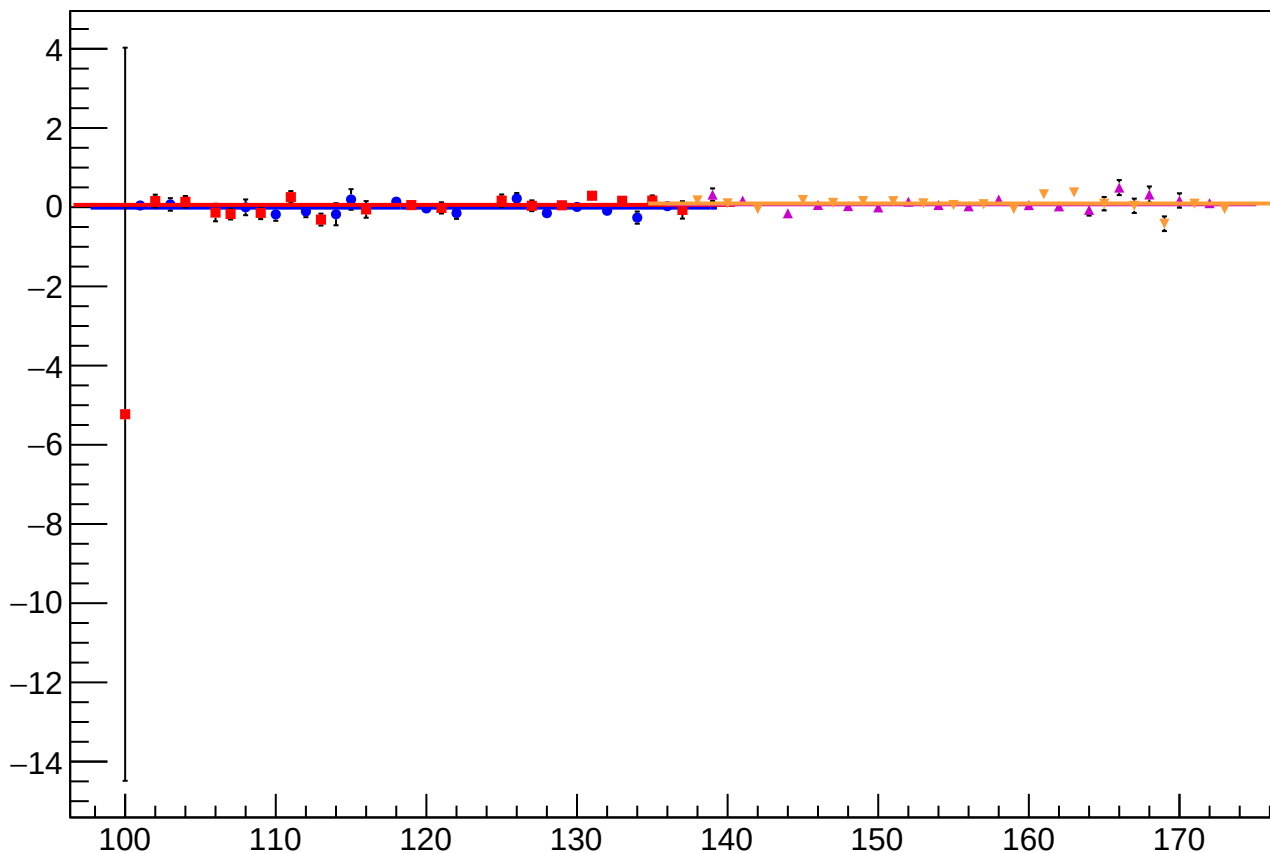
Right: 0.204+/-0.038 χ^2/NDF : 36.3/33

In: 0.069+/-0.025 χ^2/NDF : 42.2/32

Out: 0.112+/-0.025 χ^2/NDF : 56.2/35

All: 0.090+/-0.018 χ^2/NDF : 99.9/68

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.011 ± 0.033 χ^2/NDF : 13.8/15

Left Out: 0.093 ± 0.024 χ^2/NDF : 25.2/17

Right Out: 0.059 ± 0.034 χ^2/NDF : 20.6/17

Left In: 0.073 ± 0.024 χ^2/NDF : 22.1/16

Left: 0.084 ± 0.017 χ^2/NDF : 47.7/34

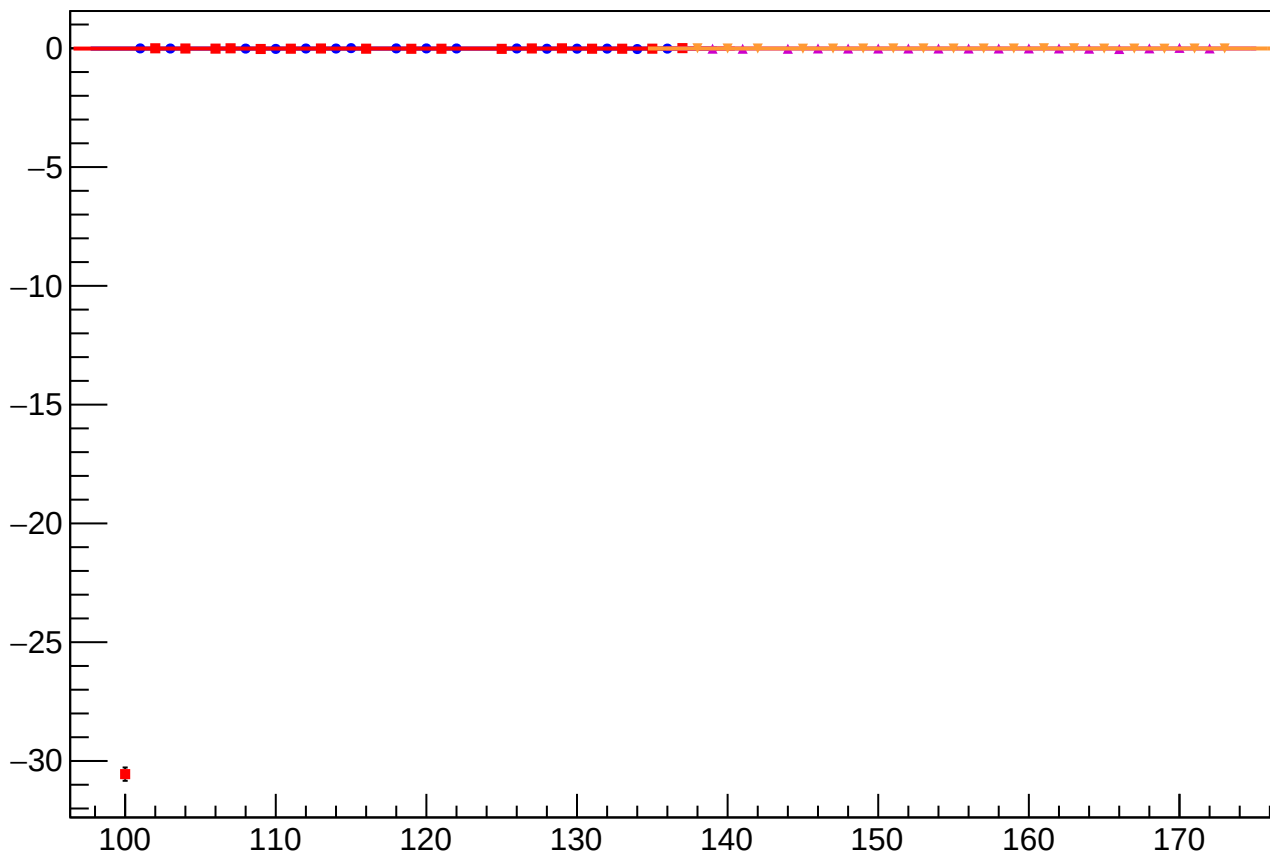
Right: 0.022 ± 0.023 χ^2/NDF : 36.5/33

In: 0.043 ± 0.019 χ^2/NDF : 40.2/32

Out: 0.082 ± 0.019 χ^2/NDF : 46.5/35

All: 0.063 ± 0.014 χ^2/NDF : 88.7/68

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 ± 0.002 χ^2/NDF : 12.9/15

Left Out: -0.008 ± 0.001 χ^2/NDF : 13.8/17

Right Out: -0.012 ± 0.002 χ^2/NDF : 11891.5/17

Left In: -0.010 ± 0.001 χ^2/NDF : 31.0/16

Left: -0.009 ± 0.001 χ^2/NDF : 45.7/34

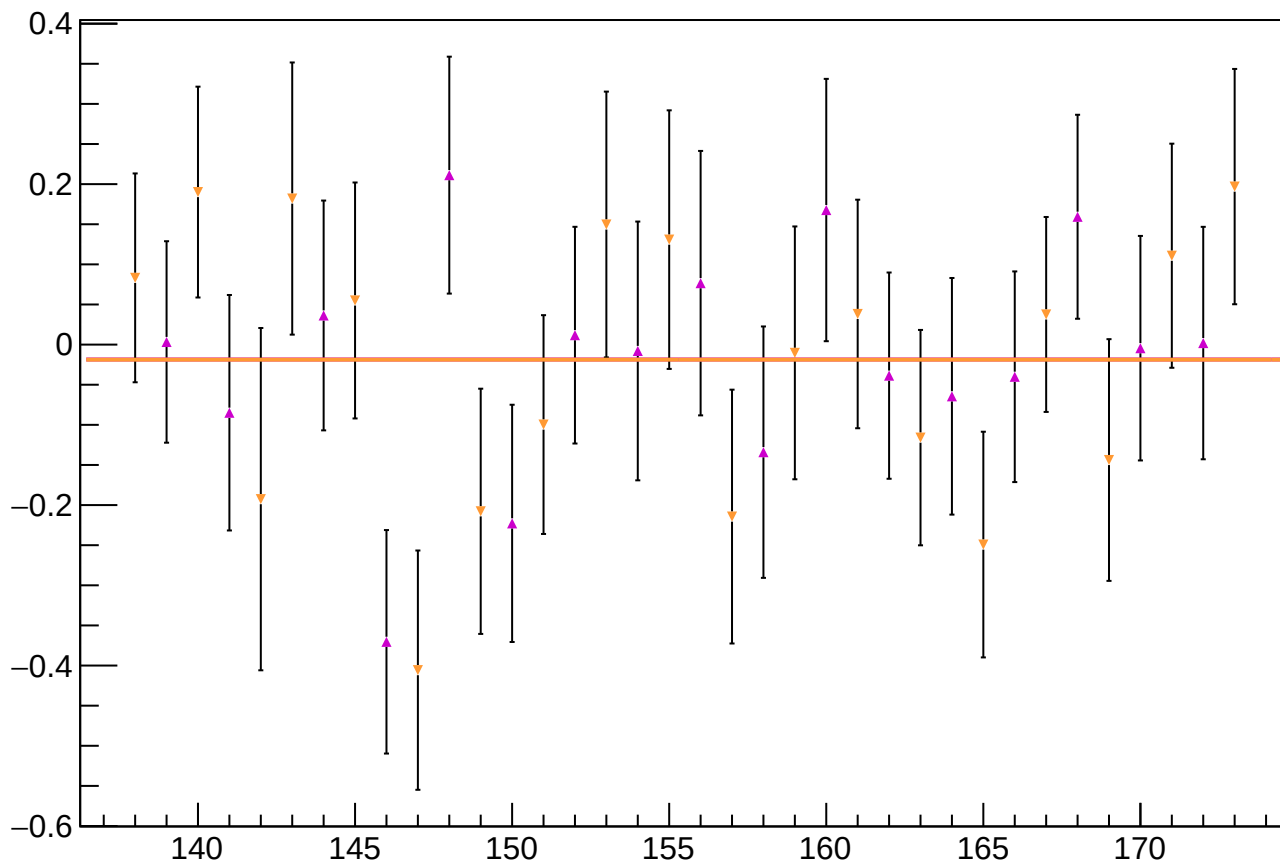
Right: -0.012 ± 0.001 χ^2/NDF : 11904.4/33

In: -0.010 ± 0.001 χ^2/NDF : 44.7/32

Out: -0.009 ± 0.001 χ^2/NDF : 11908.4/35

All: -0.010 ± 0.001 χ^2/NDF : 11953.7/68

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.019 $\pm$ 0.034 χ^2 /NDF:24.8/18

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

Left In: -0.019 $\pm$ 0.035 χ^2 /NDF:15.5/16

Left: -0.019 $\pm$ 0.024 χ^2 /NDF: 40.3/35

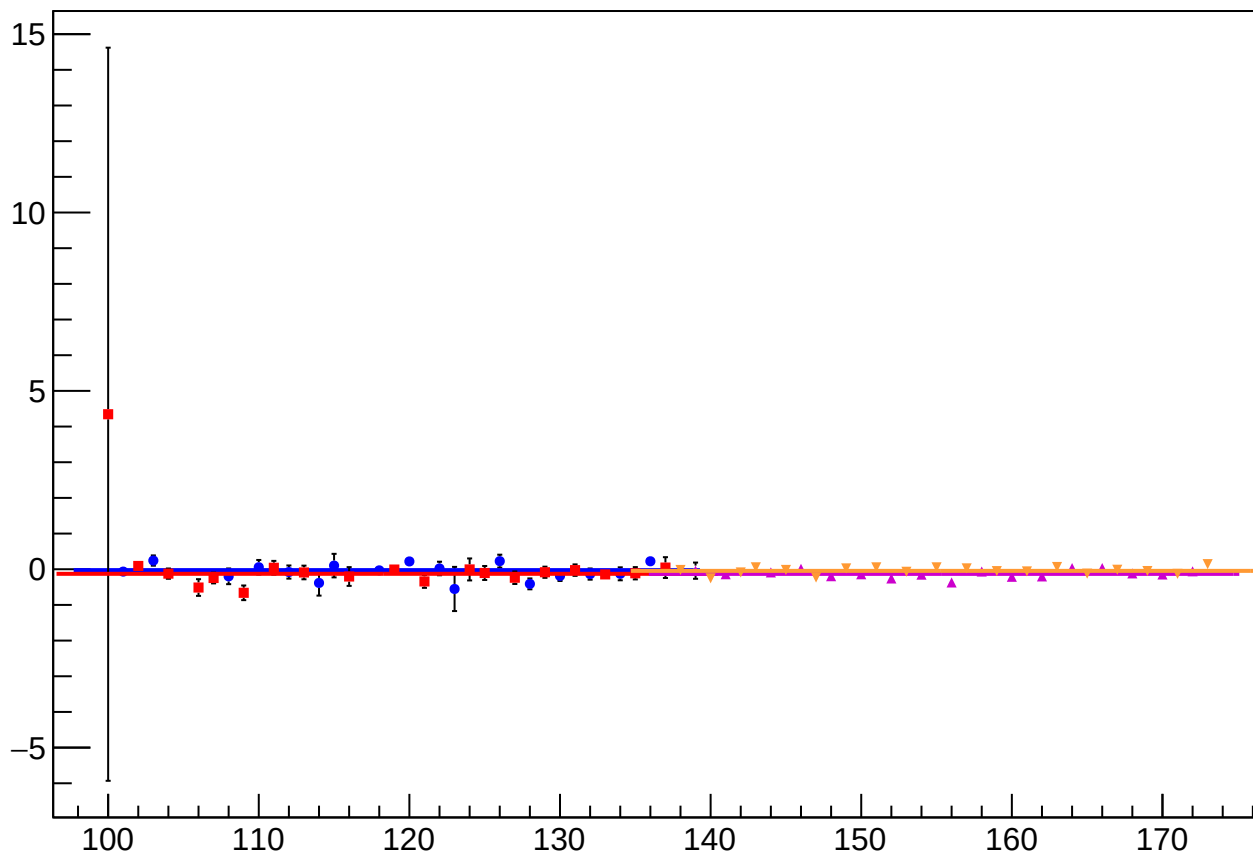
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.019 $\pm$ 0.035 χ^2 /NDF:15.5/16

Out: -0.019 $\pm$ 0.034 χ^2 /NDF:24.8/18

All: -0.019 $\pm$ 0.024 χ^2 /NDF: 40.3/35

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.024 ± 0.037 χ^2/NDF : 23.4/16

Left Out: -0.045 ± 0.024 χ^2/NDF : 19.9/18

Right Out: -0.128 ± 0.039 χ^2/NDF : 17.6/18

Left In: -0.130 ± 0.025 χ^2/NDF : 15.7/16

Left: -0.086 ± 0.017 χ^2/NDF : 41.5/35

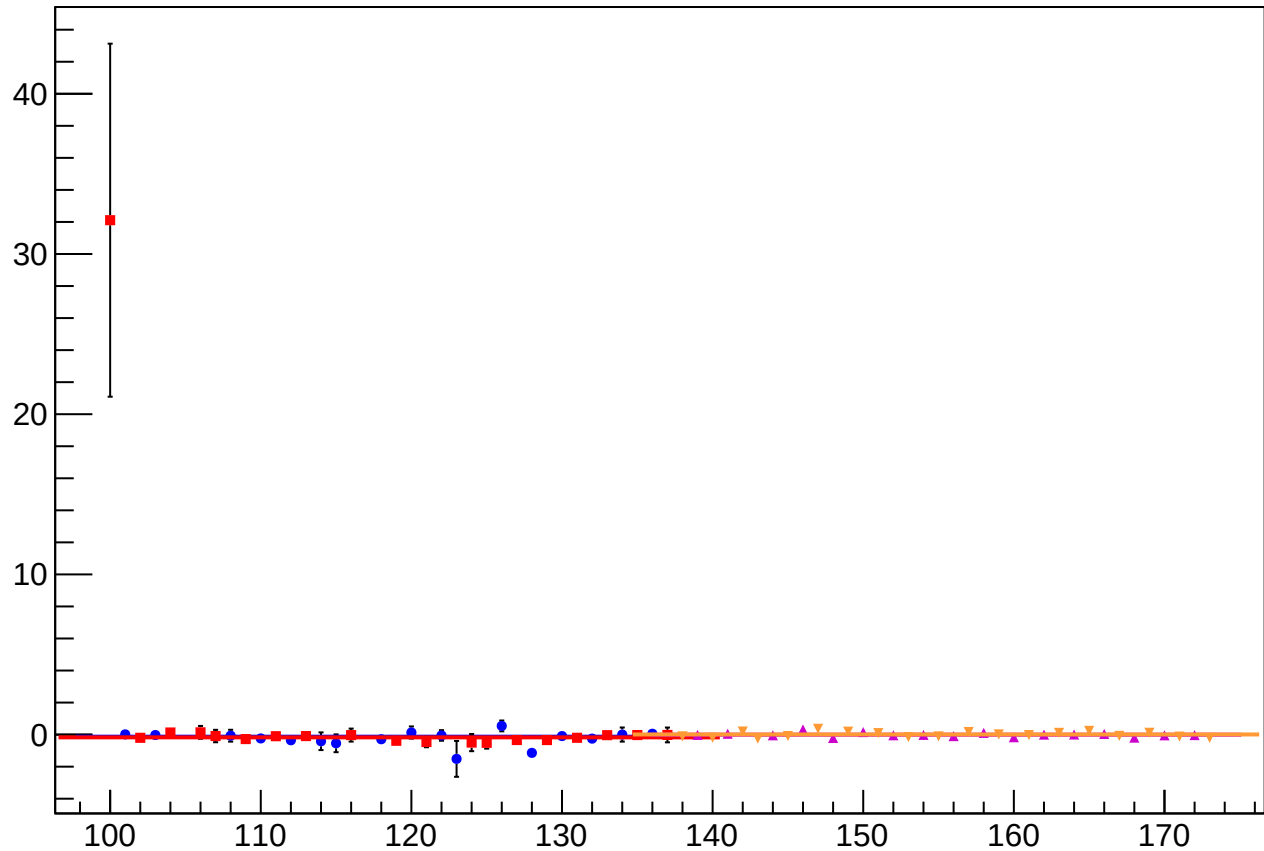
Right: -0.072 ± 0.027 χ^2/NDF : 44.7/35

In: -0.096 ± 0.021 χ^2/NDF : 44.8/33

Out: -0.068 ± 0.021 χ^2/NDF : 40.7/37

All: -0.082 ± 0.015 χ^2/NDF : 86.4/71

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.129 ± 0.067 χ^2/NDF : 23.7/16

Left Out: 0.010 ± 0.033 χ^2/NDF : 24.3/18

Right Out: -0.172 ± 0.071 χ^2/NDF : 15.0/18

Left In: -0.007 ± 0.034 χ^2/NDF : 14.2/16

Left: 0.002 ± 0.024 χ^2/NDF : 38.6/35

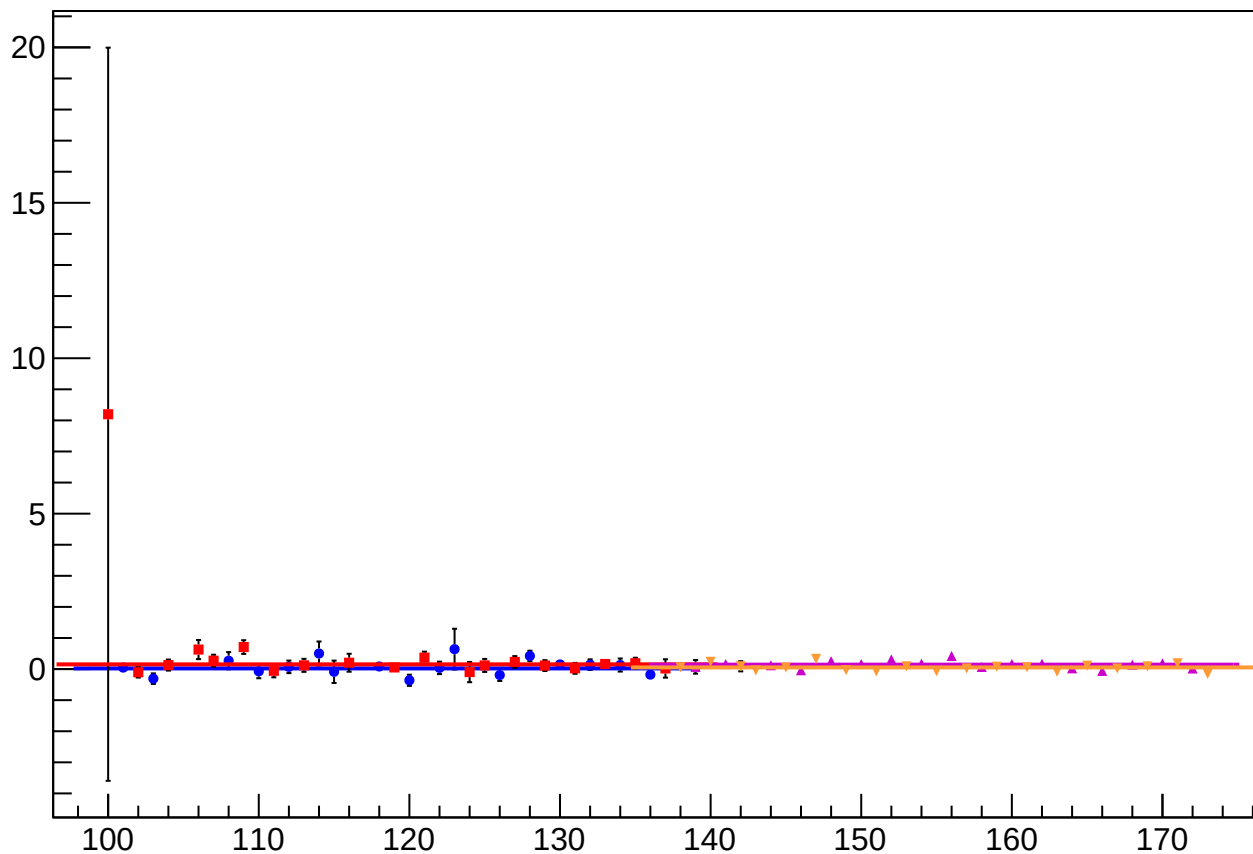
Right: -0.149 ± 0.049 χ^2/NDF : 39.0/35

In: -0.032 ± 0.030 χ^2/NDF : 40.6/33

Out: -0.023 ± 0.030 χ^2/NDF : 44.7/37

All: -0.027 ± 0.021 χ^2/NDF : 85.4/71

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.021+/-0.042 χ^2/NDF : 22.5/16

Left Out: 0.053+/-0.028 χ^2/NDF : 19.7/18

Right Out: 0.152+/-0.045 χ^2/NDF : 16.2/18

Left In: 0.142+/-0.029 χ^2/NDF : 16.0/16

Left: 0.095+/-0.020 χ^2/NDF : 40.6/35

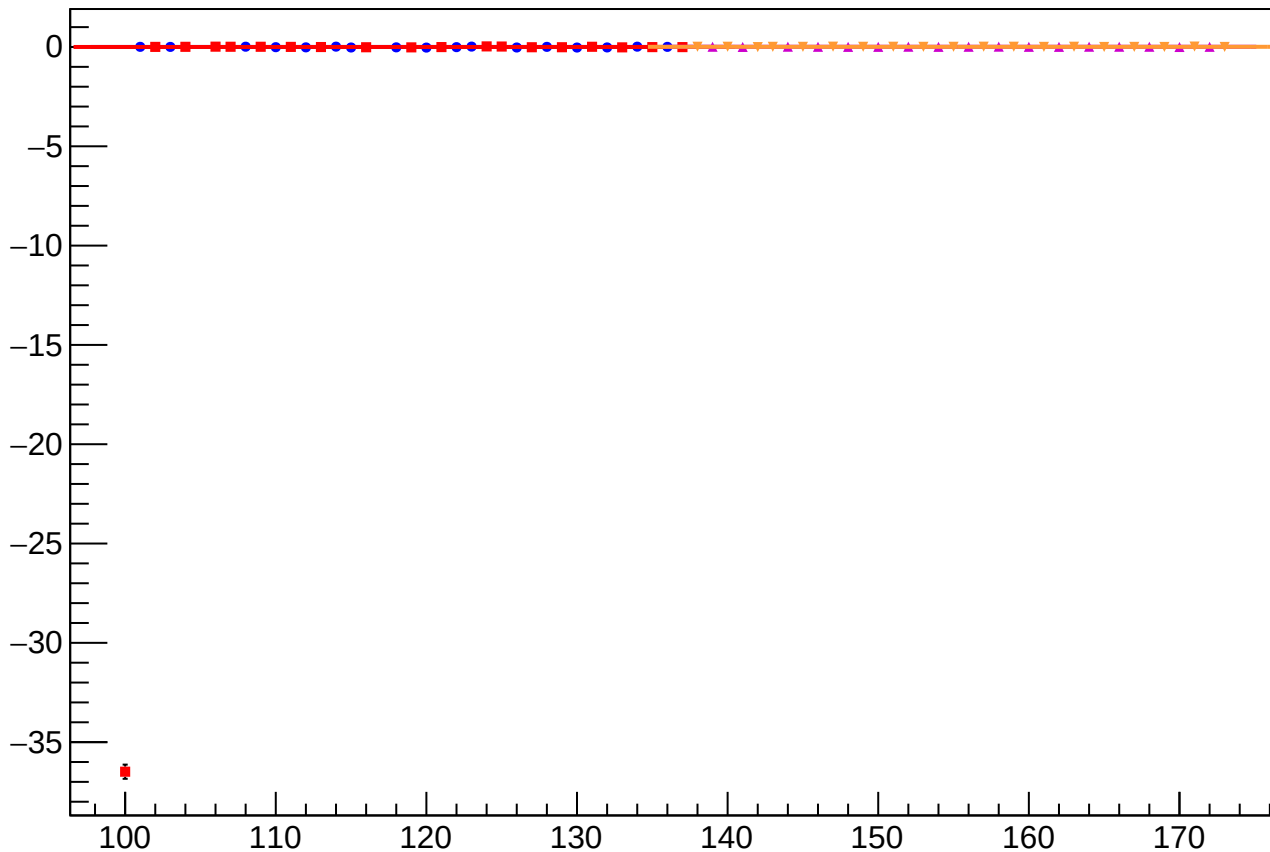
Right: 0.082+/-0.031 χ^2/NDF : 43.2/35

In: 0.103+/-0.024 χ^2/NDF : 44.1/33

Out: 0.080+/-0.024 χ^2/NDF : 39.4/37

All: 0.091+/-0.017 χ^2/NDF : 83.9/71

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: 0.009 $\pm$ 0.001 χ^2 /NDF:18.7/18

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/18

Left In: 0.011 $\pm$ 0.001 χ^2 /NDF:9.8/16

Left: 0.010 $\pm$ 0.001 χ^2 /NDF: 28.9/35

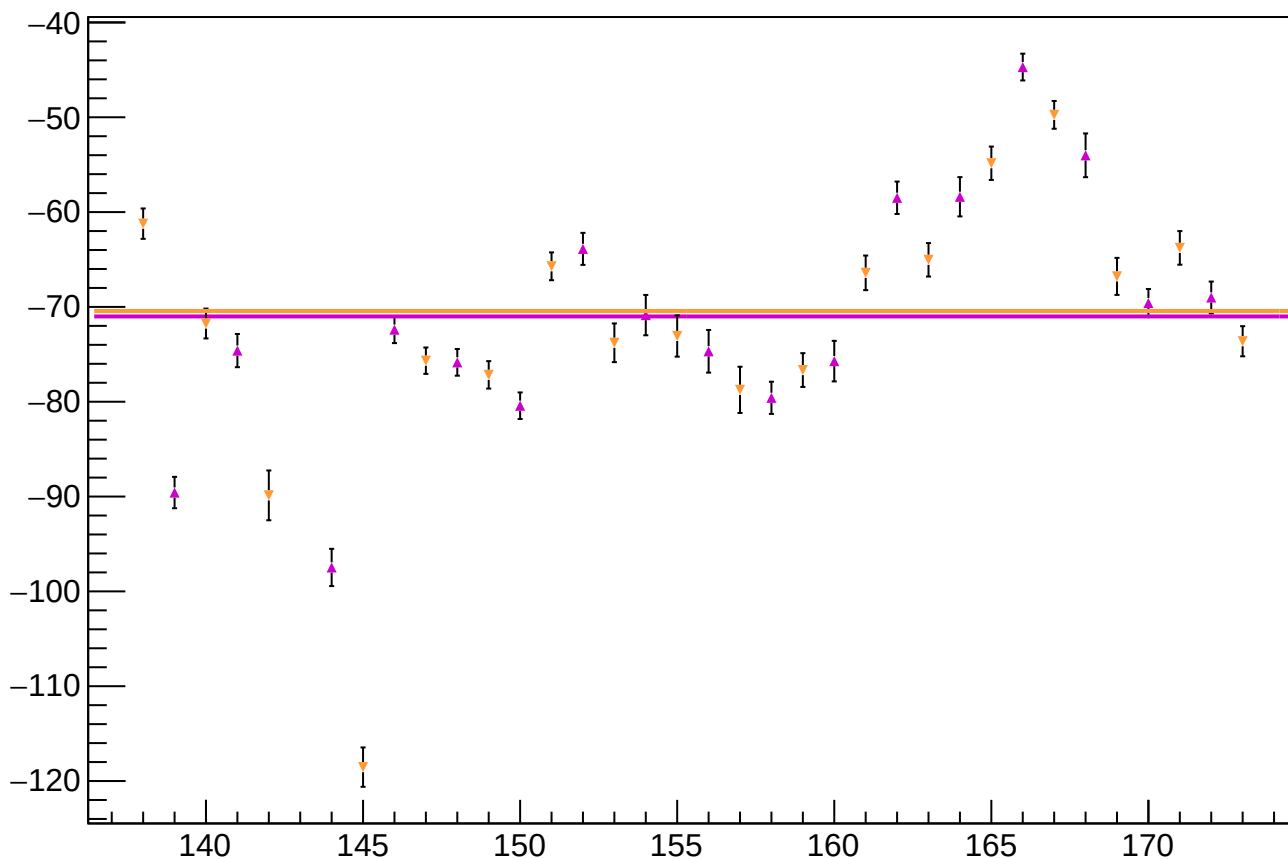
Right: 0.001 $\pm$ 0.002 χ^2 /NDF: 10481.5/35

In: 0.008 $\pm$ 0.001 χ^2 /NDF:55.4/33

Out: 0.007 $\pm$ 0.001 χ^2 /NDF:10478.4/37

All: 0.008 $\pm$ 0.001 χ^2 /NDF: 10533.9/71

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: -70.427+/-0.410 χ^2/NDF :1013.4/17

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

Left In: -71.006+/-0.413 χ^2/NDF :914.9/16

Left: -70.714+/-0.291 χ^2/NDF : 1929.2/34

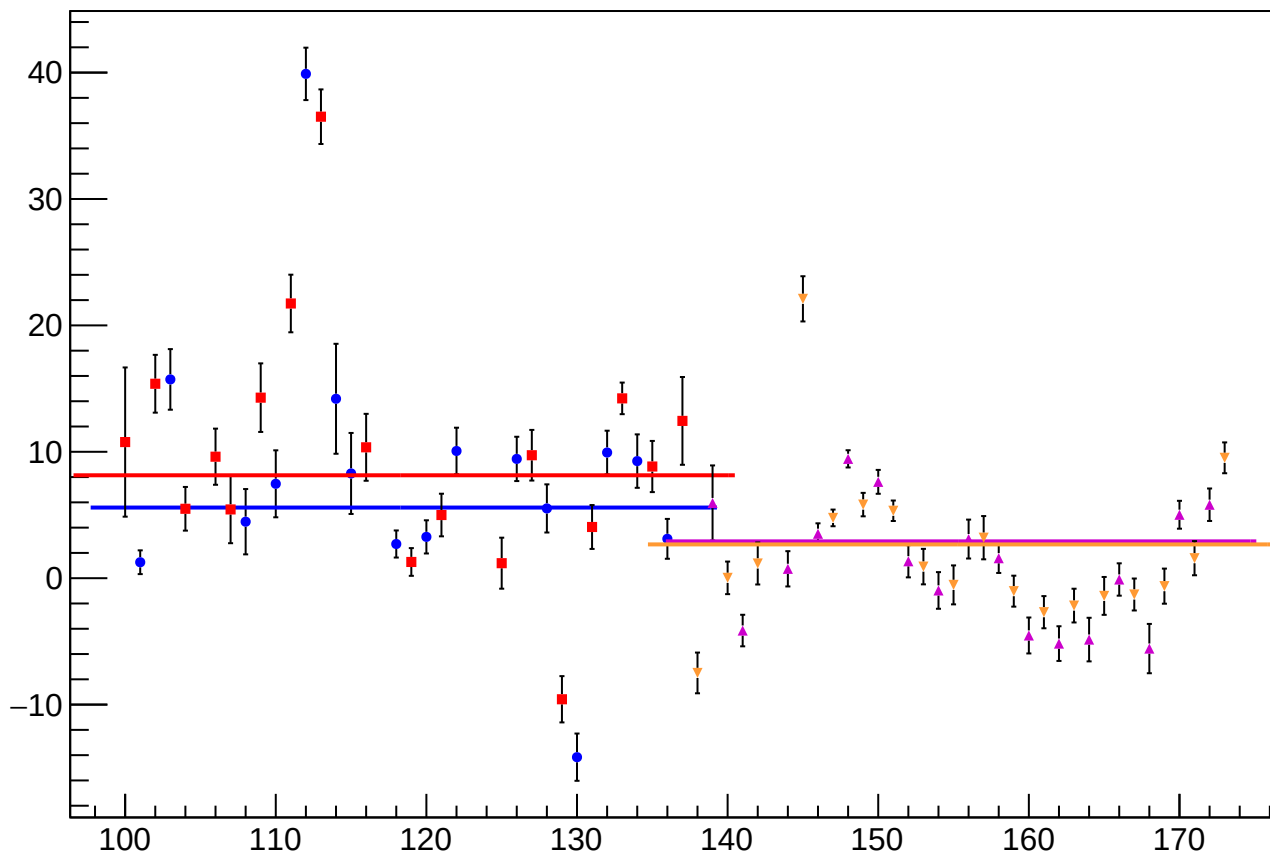
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -71.006+/-0.413 χ^2/NDF :914.9/16

Out: -70.427+/-0.410 χ^2/NDF :1013.4/17

All: -70.714+/-0.291 χ^2/NDF : 1929.2/34

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: 2.673 ± 0.282 $\chi^2/\text{NDF}: 296.4/17$

Right Out: 8.142 ± 0.454 $\chi^2/\text{NDF}: 407.7/17$

Left In: 2.914 ± 0.290 $\chi^2/\text{NDF}: 278.1/16$

Left: 2.791 ± 0.202 $\chi^2/\text{NDF}: 574.8/34$

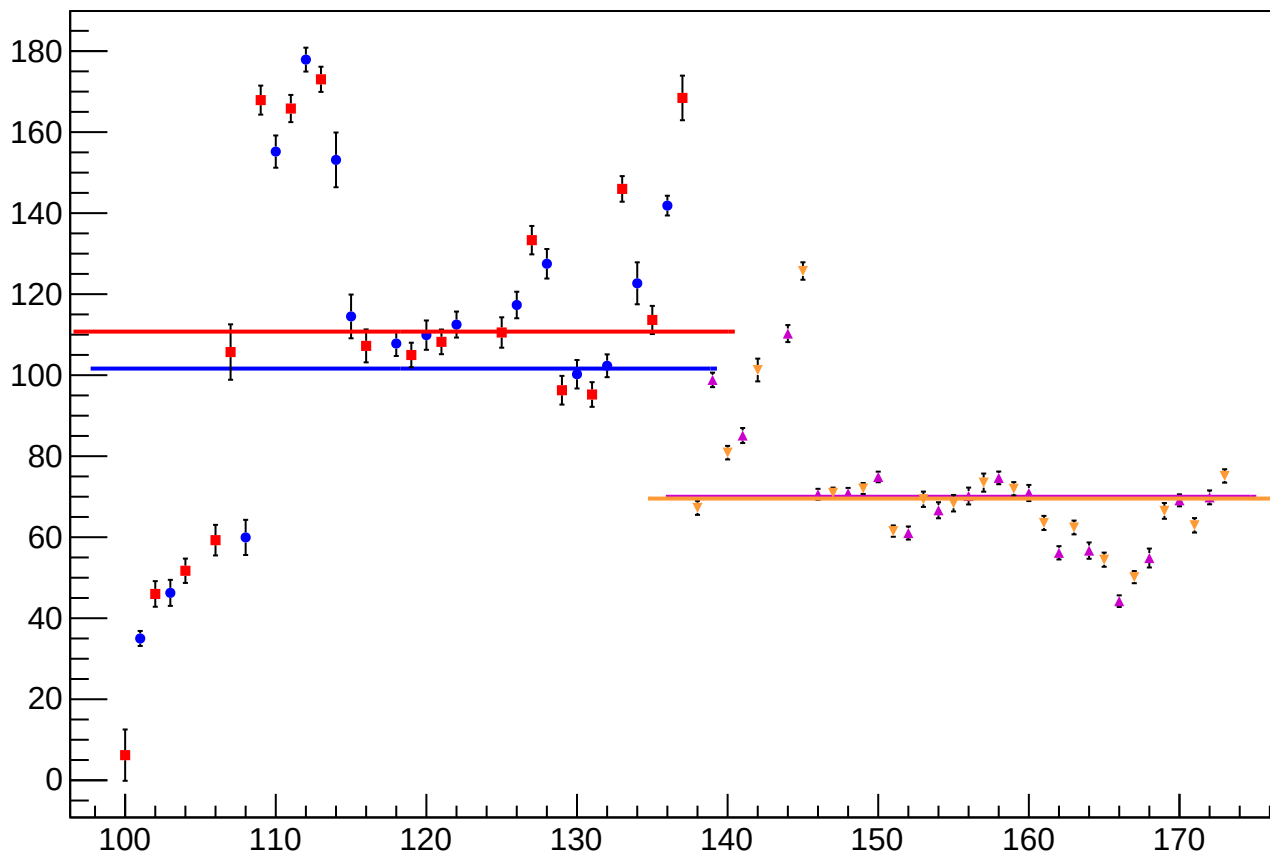
Right: 6.778 ± 0.310 $\chi^2/\text{NDF}: 887.4/33$

In: 3.767 ± 0.239 $\chi^2/\text{NDF}: 768.0/32$

Out: 4.198 ± 0.239 $\chi^2/\text{NDF}: 808.9/35$

All: 3.982 ± 0.169 $\chi^2/\text{NDF}: 1578.6/68$

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: 69.541 $\pm$ 0.403 χ^2 /NDF:1196.5/17

Right Out: 110.756 $\pm$ 0.836 χ^2 /NDF: 2513.0/17

Left In: 69.985 $\pm$ 0.404 χ^2 /NDF:1227.6/16

Left: 69.763 $\pm$ 0.285 χ^2 /NDF: 2424.7/34

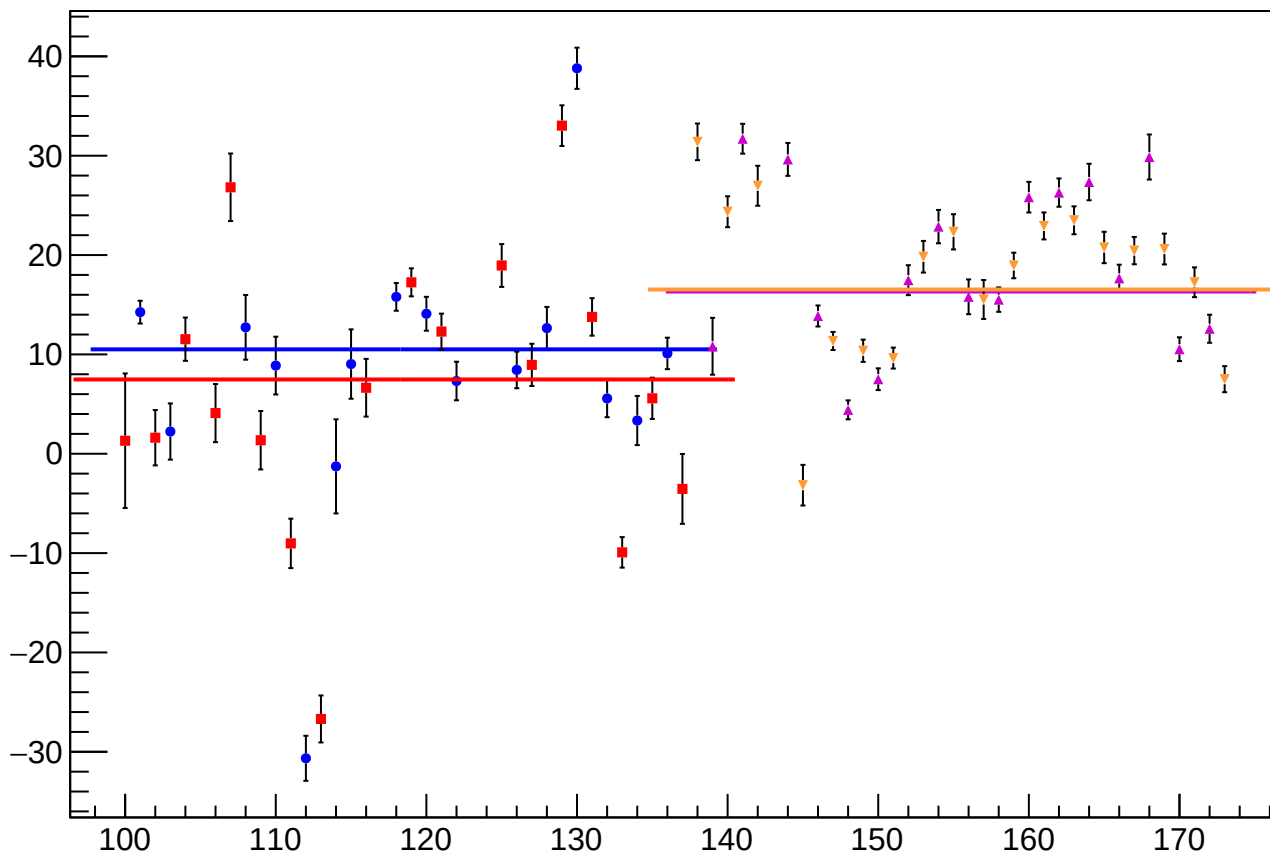
Right: 106.031 $\pm$ 0.581 χ^2 /NDF: 5553.5/33

In: 76.324 $\pm$ 0.361 χ^2 /NDF:5436.4/32

Out: 77.312 $\pm$ 0.363 χ^2 /NDF:5680.8/35

All: 76.815 $\pm$ 0.256 χ^2 /NDF: 11120.9/68

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: 16.532 $\pm$ 0.332 χ^2 /NDF:450.7/17

Right Out: 7.477 $\pm$ 0.524 χ^2 /NDF: 689.3/17

Left In: 16.332 $\pm$ 0.340 χ^2 /NDF:605.4/16

Left: 16.434 $\pm$ 0.237 χ^2 /NDF: 1056.3/34

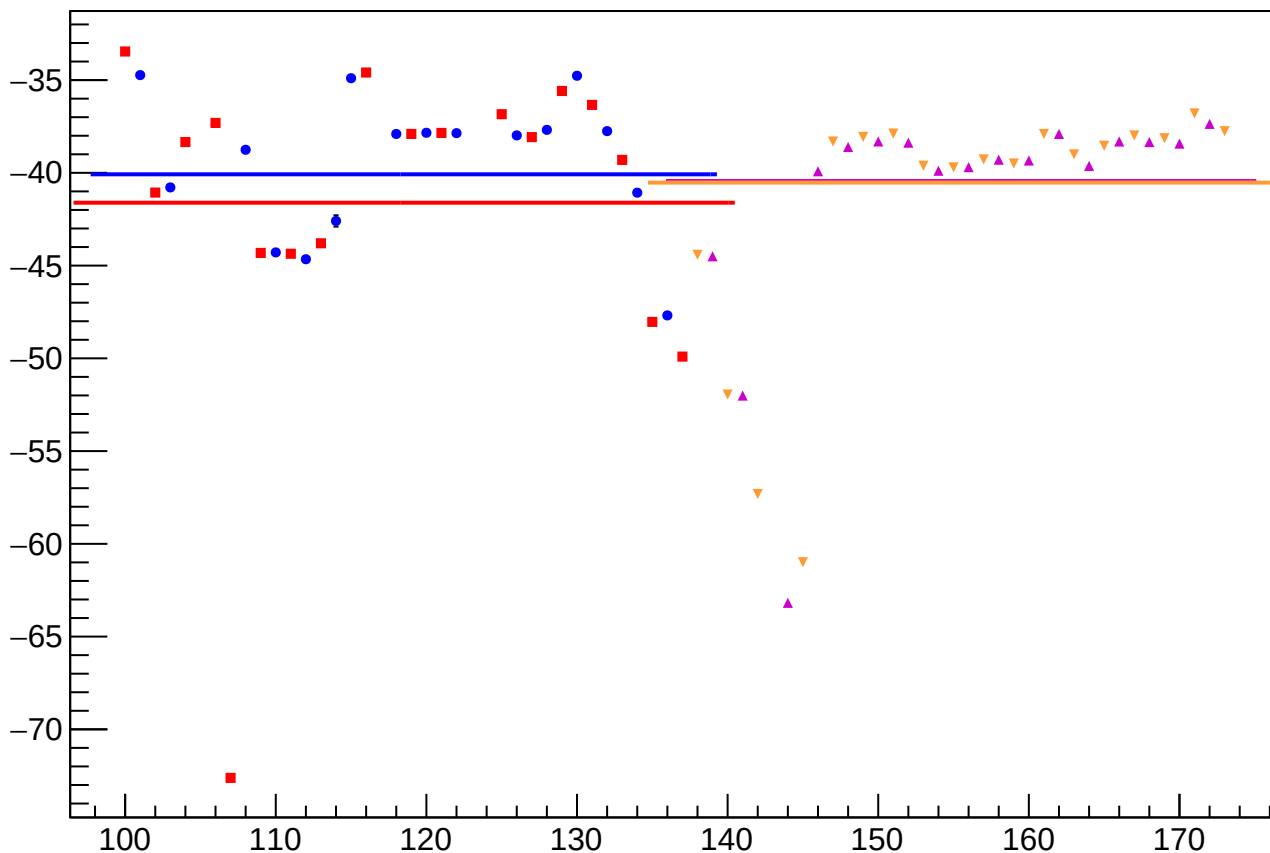
Right: 9.088 $\pm$ 0.359 χ^2 /NDF: 1288.6/33

In: 14.453 $\pm$ 0.279 χ^2 /NDF:1281.8/32

Out: 13.943 $\pm$ 0.280 χ^2 /NDF:1353.3/35

All: 14.198 $\pm$ 0.198 χ^2 /NDF: 2636.7/68

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.080 $\pm$ 0.028 χ^2 /NDF: 25123.9/15

Left Out: -40.525 $\pm$ 0.016 χ^2 /NDF:124309.3/17

Right Out: -41.609 $\pm$ 0.029 χ^2 /NDF: 61784.6/17

Left In: -40.441 $\pm$ 0.016 χ^2 /NDF:100364.1/16

Left: -40.483 $\pm$ 0.011 χ^2 /NDF: 224687.4/34

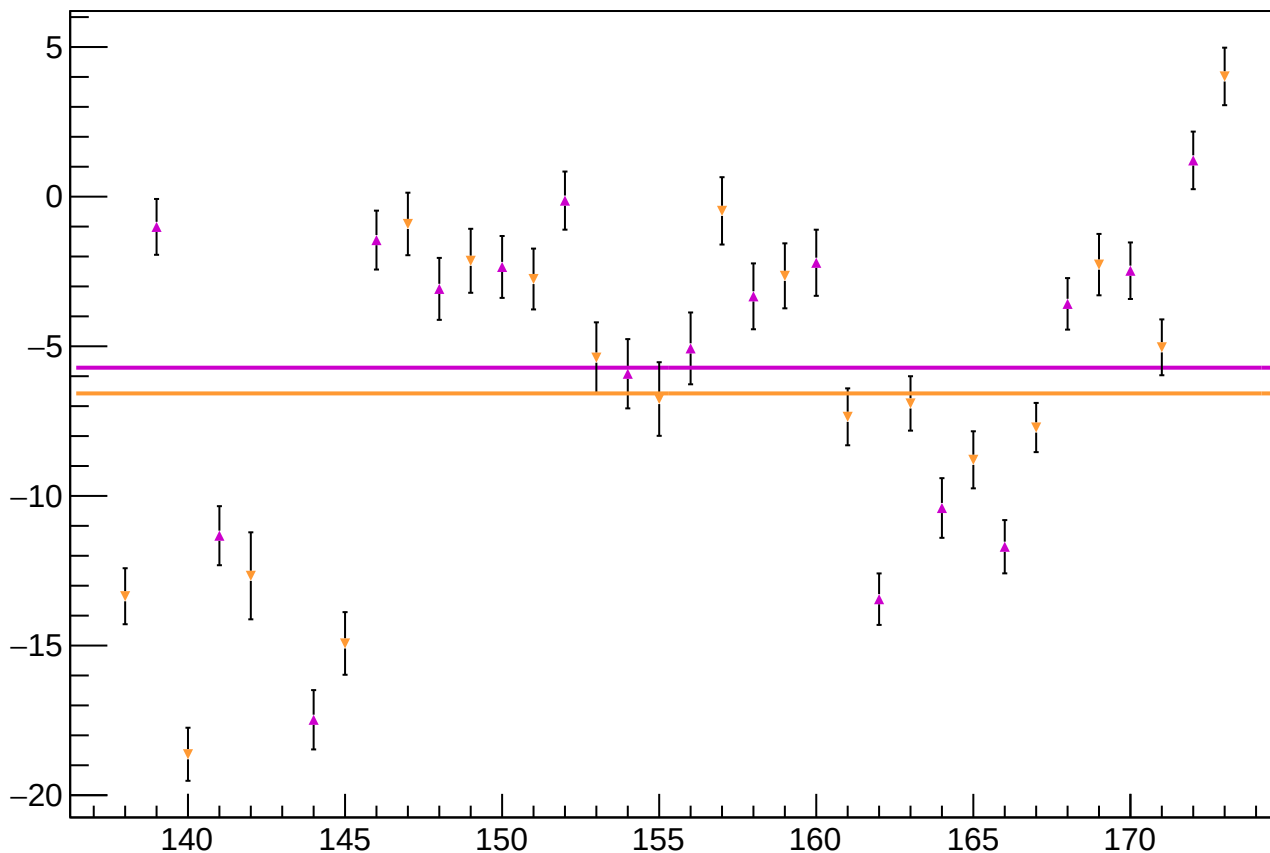
Right: -40.834 $\pm$ 0.020 χ^2 /NDF: 88360.5/33

In: -40.354 $\pm$ 0.014 χ^2 /NDF:125612.4/32

Out: -40.781 $\pm$ 0.014 χ^2 /NDF:187193.8/35

All: -40.567 $\pm$ 0.010 χ^2 /NDF: 313281.3/68

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: -6.575 $\pm$ 0.238 χ^2/NDF :572.9/17
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -5.715 $\pm$ 0.240 χ^2/NDF :500.6/16

Left: -6.148 $\pm$ 0.169 χ^2/NDF : 1079.9/34

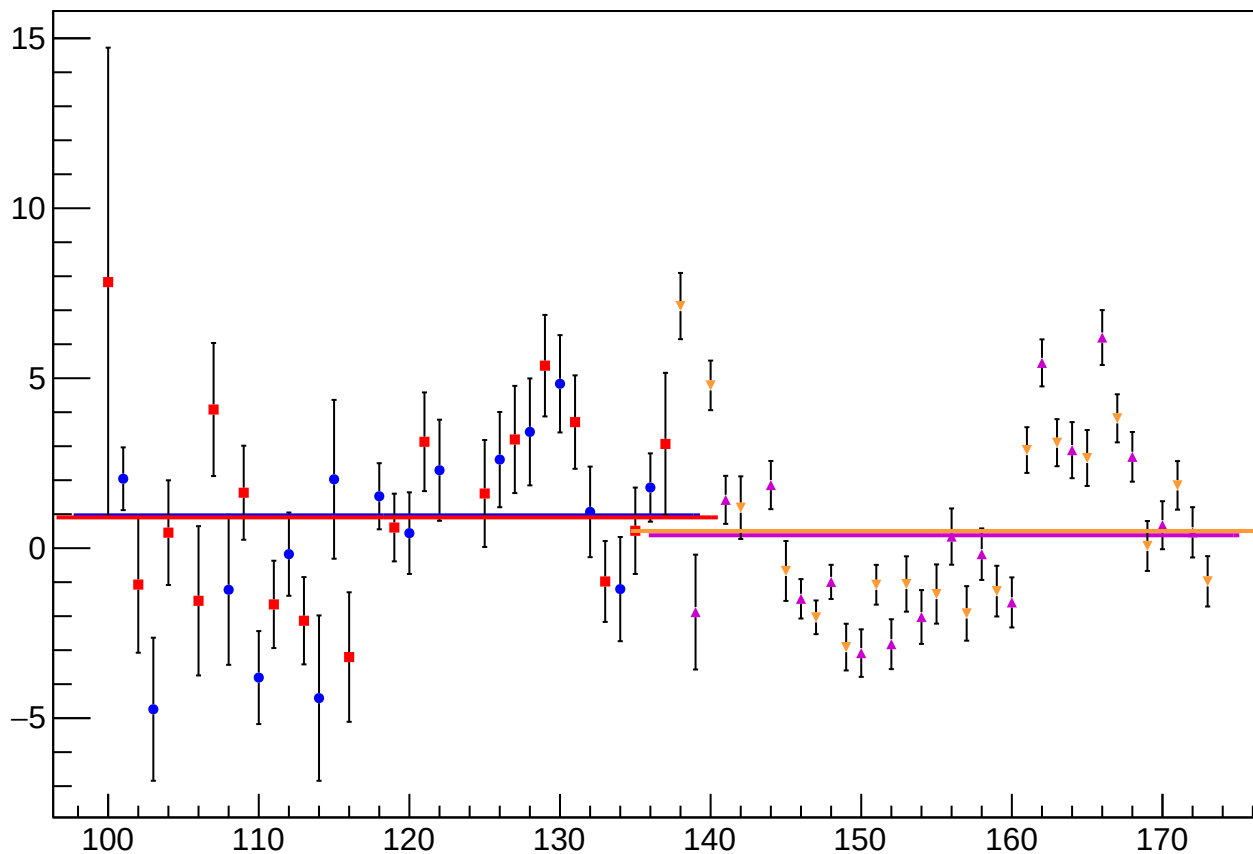
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -5.715 $\pm$ 0.240 χ^2/NDF :500.6/16

Out: -6.575 $\pm$ 0.238 χ^2/NDF :572.9/17

All: -6.148 $\pm$ 0.169 χ^2/NDF : 1079.9/34

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.965 ± 0.338 χ^2/NDF : 42.9/15

Left Out: 0.505 ± 0.171 χ^2/NDF : 227.5/17

Right Out: 0.906 ± 0.354 χ^2/NDF : 42.0/17

Left In: 0.380 ± 0.175 χ^2/NDF : 211.8/16

Left: 0.444 ± 0.122 χ^2/NDF : 439.6/34

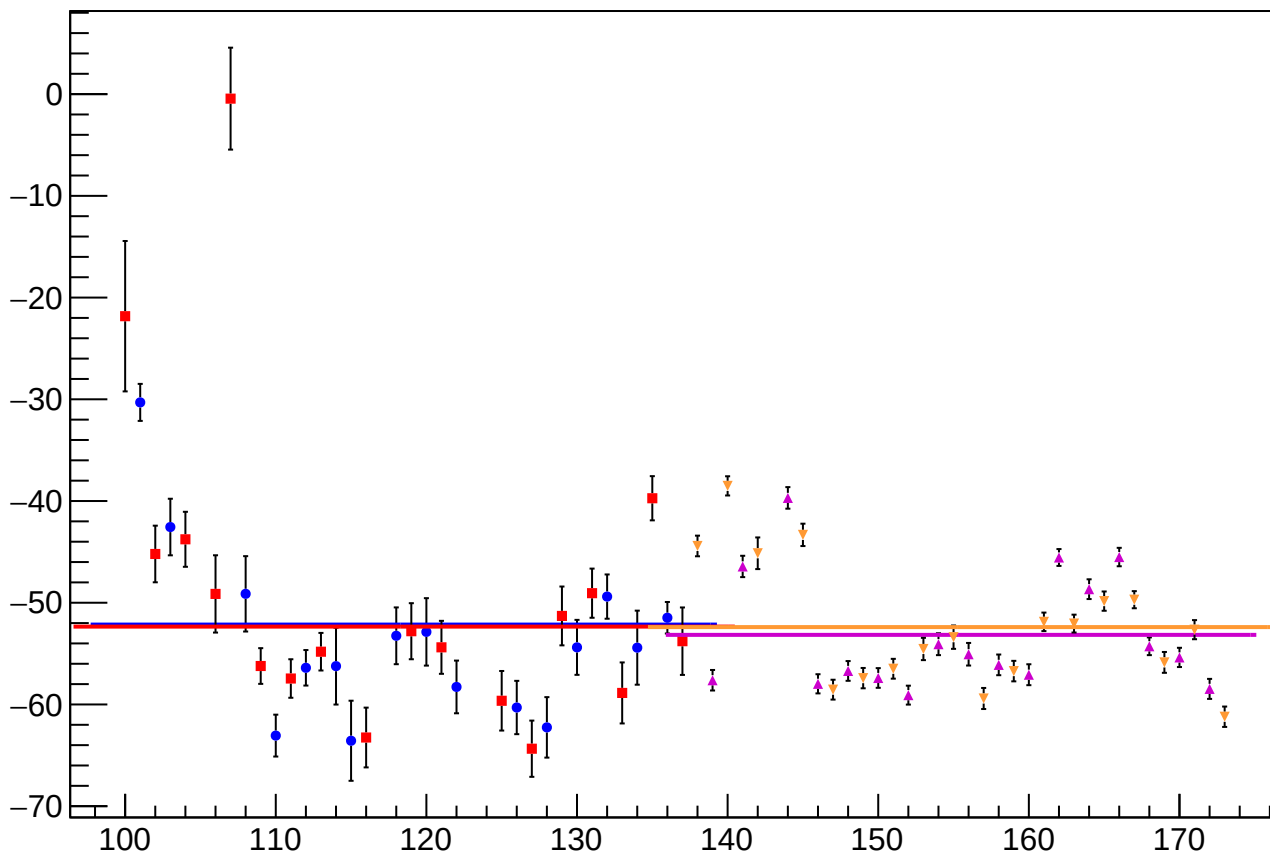
Right: 0.937 ± 0.244 χ^2/NDF : 84.9/33

In: 0.503 ± 0.155 χ^2/NDF : 257.1/32

Out: 0.582 ± 0.154 χ^2/NDF : 270.5/35

All: 0.543 ± 0.109 χ^2/NDF : 527.8/68

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: -52.394 ± 0.235 $\chi^2/\text{NDF}: 626.3/17$

Right Out: -52.346 ± 0.616 $\chi^2/\text{NDF}: 235.7/17$

Left In: -53.159 ± 0.236 $\chi^2/\text{NDF}: 561.2/16$

Left: -52.776 ± 0.167 $\chi^2/\text{NDF}: 1192.7/34$

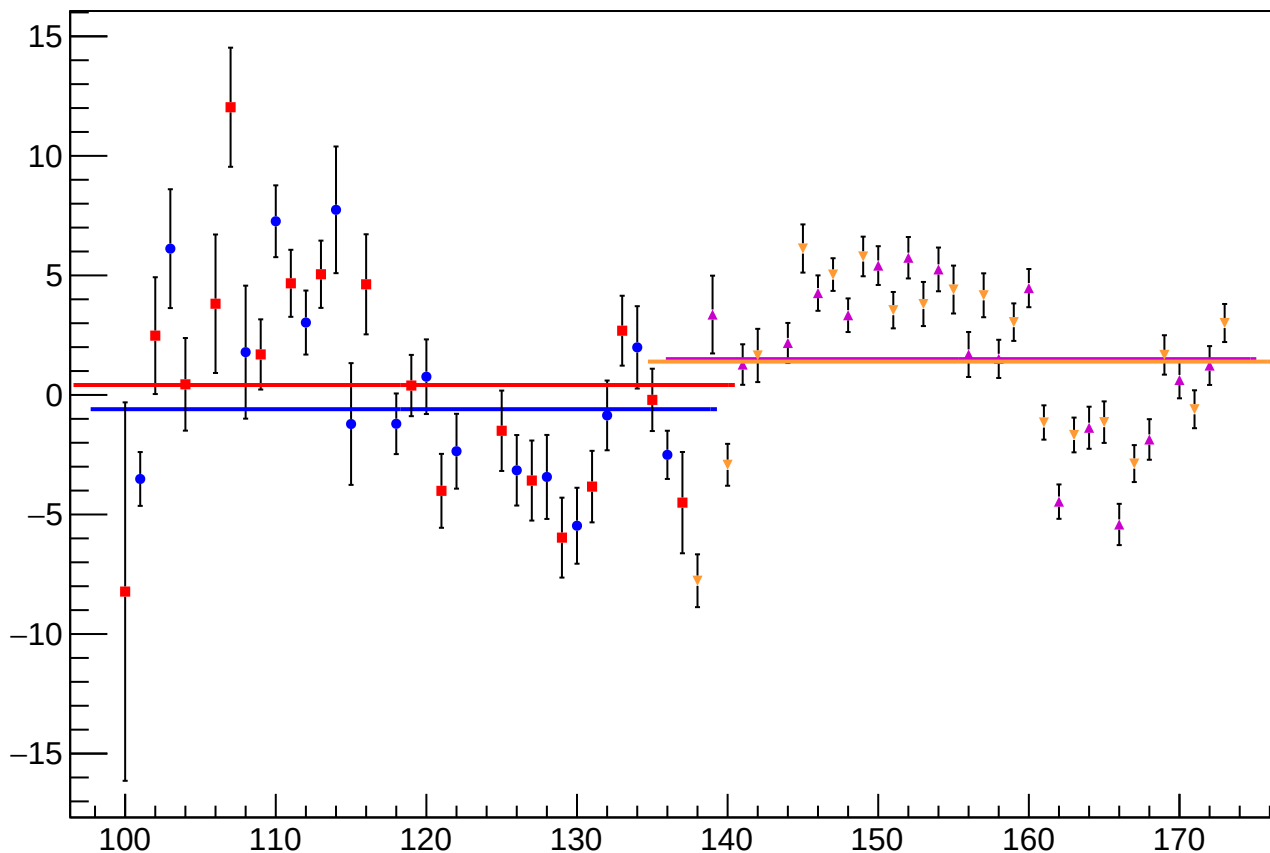
Right: -52.246 ± 0.434 $\chi^2/\text{NDF}: 466.0/33$

In: -53.028 ± 0.220 $\chi^2/\text{NDF}: 793.8/32$

Out: -52.388 ± 0.220 $\chi^2/\text{NDF}: 862.0/35$

All: -52.708 ± 0.155 $\chi^2/\text{NDF}: 1660.0/68$

reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.596 ± 0.384 $\chi^2/\text{NDF}: 82.6/15$

Left Out: 1.395 ± 0.197 $\chi^2/\text{NDF}: 289.0/17$

Right Out: 0.416 ± 0.400 $\chi^2/\text{NDF}: 95.8/17$

Left In: 1.498 ± 0.202 $\chi^2/\text{NDF}: 261.4/16$

Left: 1.445 ± 0.141 $\chi^2/\text{NDF}: 550.5/34$

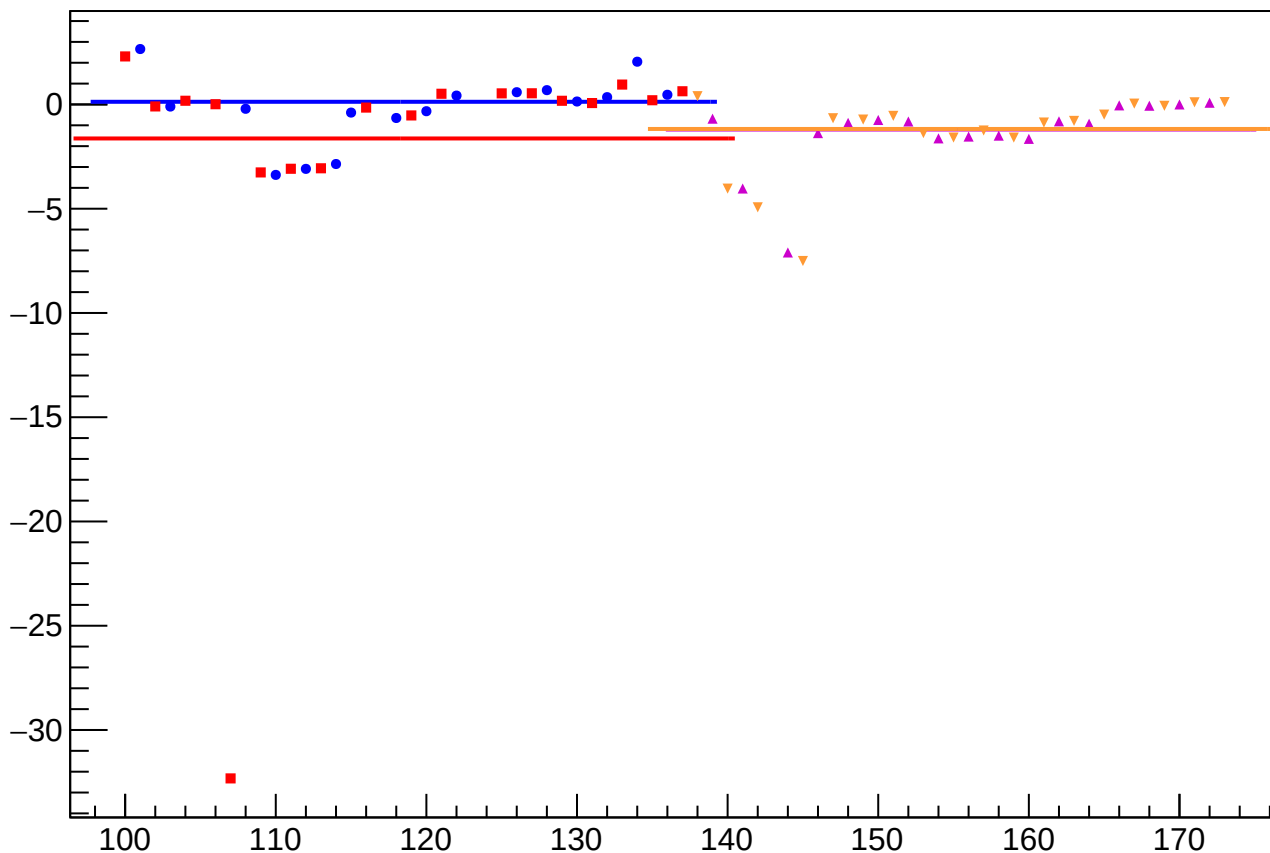
Right: -0.111 ± 0.277 $\chi^2/\text{NDF}: 181.7/33$

In: 1.044 ± 0.179 $\chi^2/\text{NDF}: 367.3/32$

Out: 1.203 ± 0.177 $\chi^2/\text{NDF}: 389.6/35$

All: 1.124 ± 0.126 $\chi^2/\text{NDF}: 757.3/68$

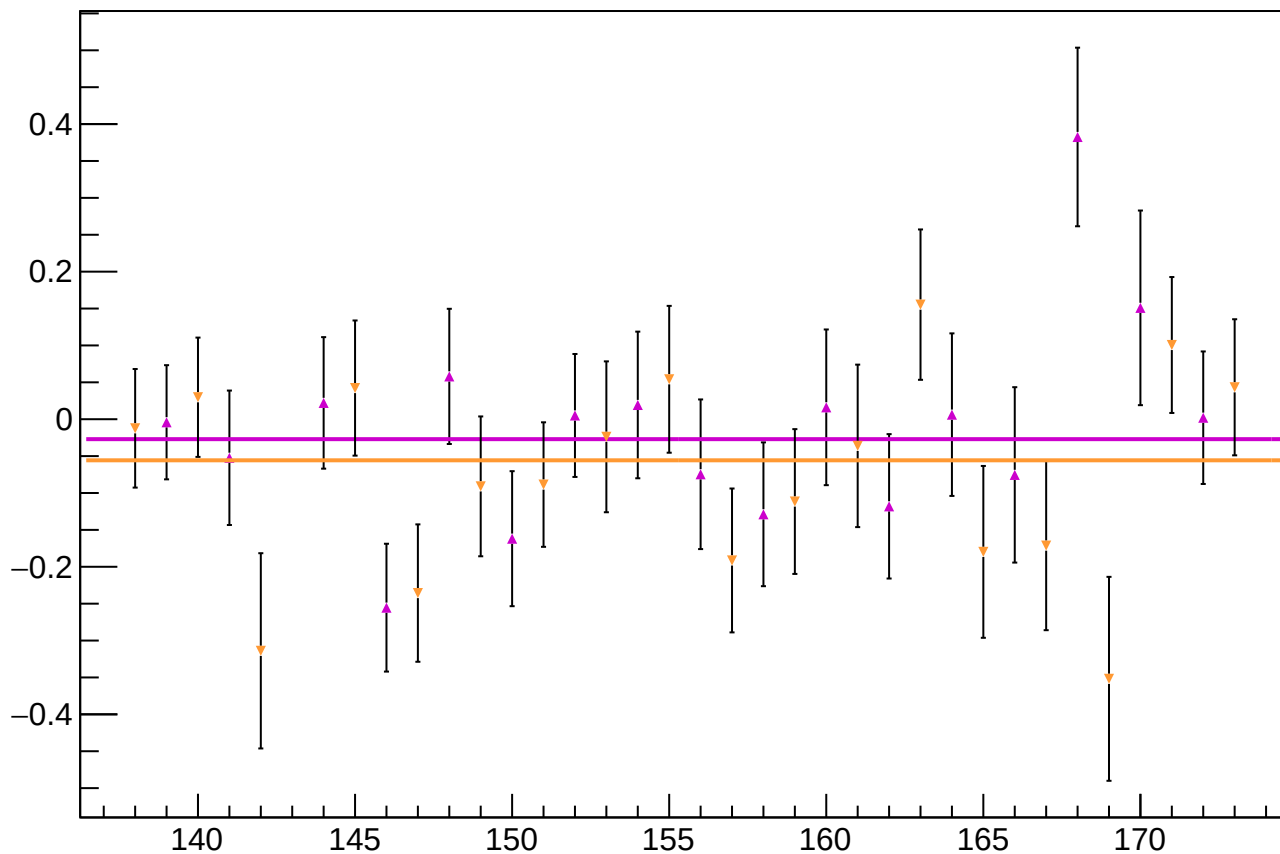
reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.128 ± 0.021 $\chi^2/\text{NDF}: 5252.9/15$
 Left Out: -1.175 ± 0.009 $\chi^2/\text{NDF}: 37663.3/17$
 Right Out: -1.631 ± 0.022 $\chi^2/\text{NDF}: 77878.6/17$
 Left In: -1.203 ± 0.009 $\chi^2/\text{NDF}: 26408.8/16$

Left: -1.189 ± 0.006 $\chi^2/\text{NDF}: 64076.6/34$
 Right: -0.739 ± 0.015 $\chi^2/\text{NDF}: 86433.1/33$
 In: -0.997 ± 0.008 $\chi^2/\text{NDF}: 34902.9/32$
 Out: -1.243 ± 0.008 $\chi^2/\text{NDF}: 115914.1/35$
 All: -1.121 ± 0.006 $\chi^2/\text{NDF}: 151242.2/68$

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: -0.056+/-0.023 χ^2/NDF : 29.1/17

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

Left In: -0.027+/-0.023 χ^2/NDF : 26.8/16

Left: -0.042+/-0.016 χ^2/NDF : 56.6/34

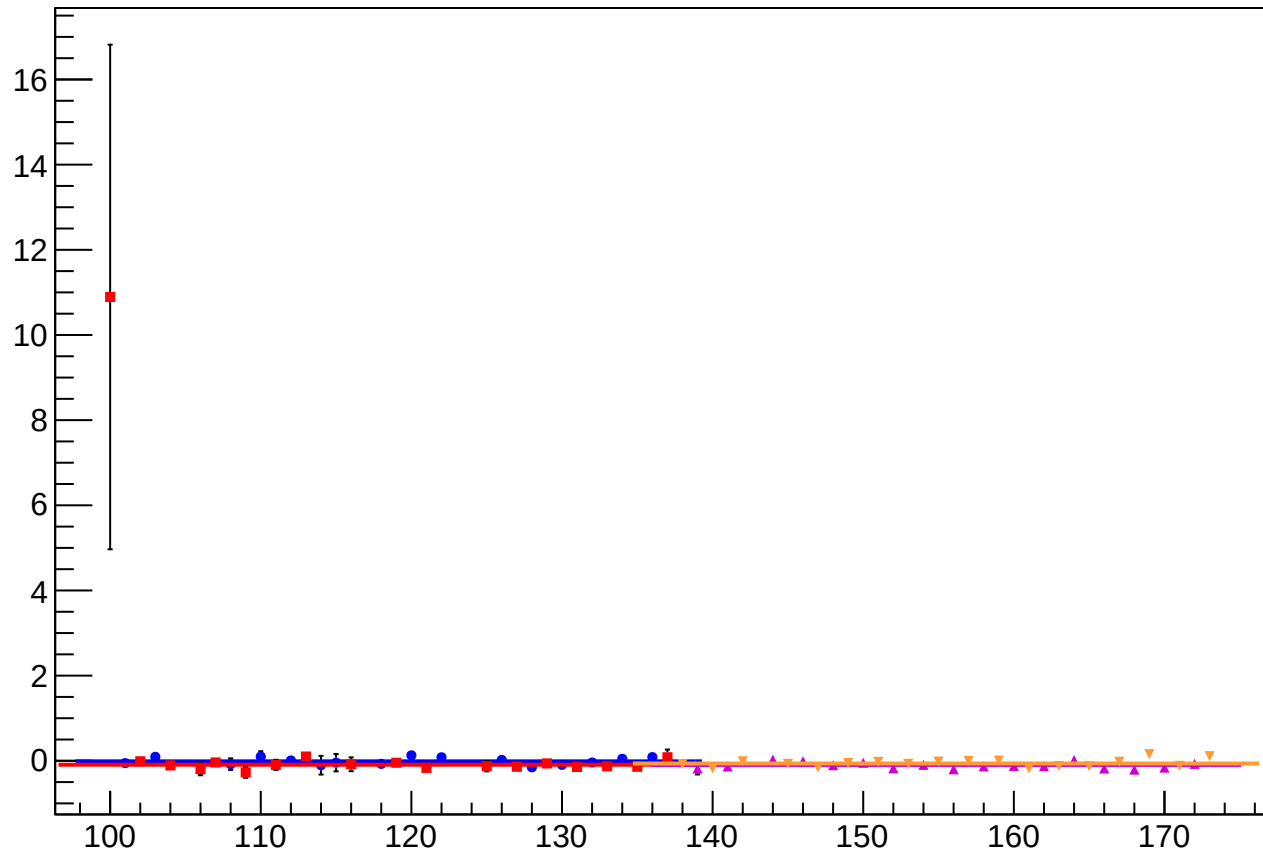
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -0.027+/-0.023 χ^2/NDF : 26.8/16

Out: -0.056+/-0.023 χ^2/NDF : 29.1/17

All: -0.042+/-0.016 χ^2/NDF : 56.6/34

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.023 χ^2/NDF : 12.2/15

Left Out: -0.064 ± 0.016 χ^2/NDF : 25.0/17

Right Out: -0.092 ± 0.025 χ^2/NDF : 12.7/17

Left In: -0.097 ± 0.017 χ^2/NDF : 16.1/16

Left: -0.080 ± 0.012 χ^2/NDF : 43.1/34

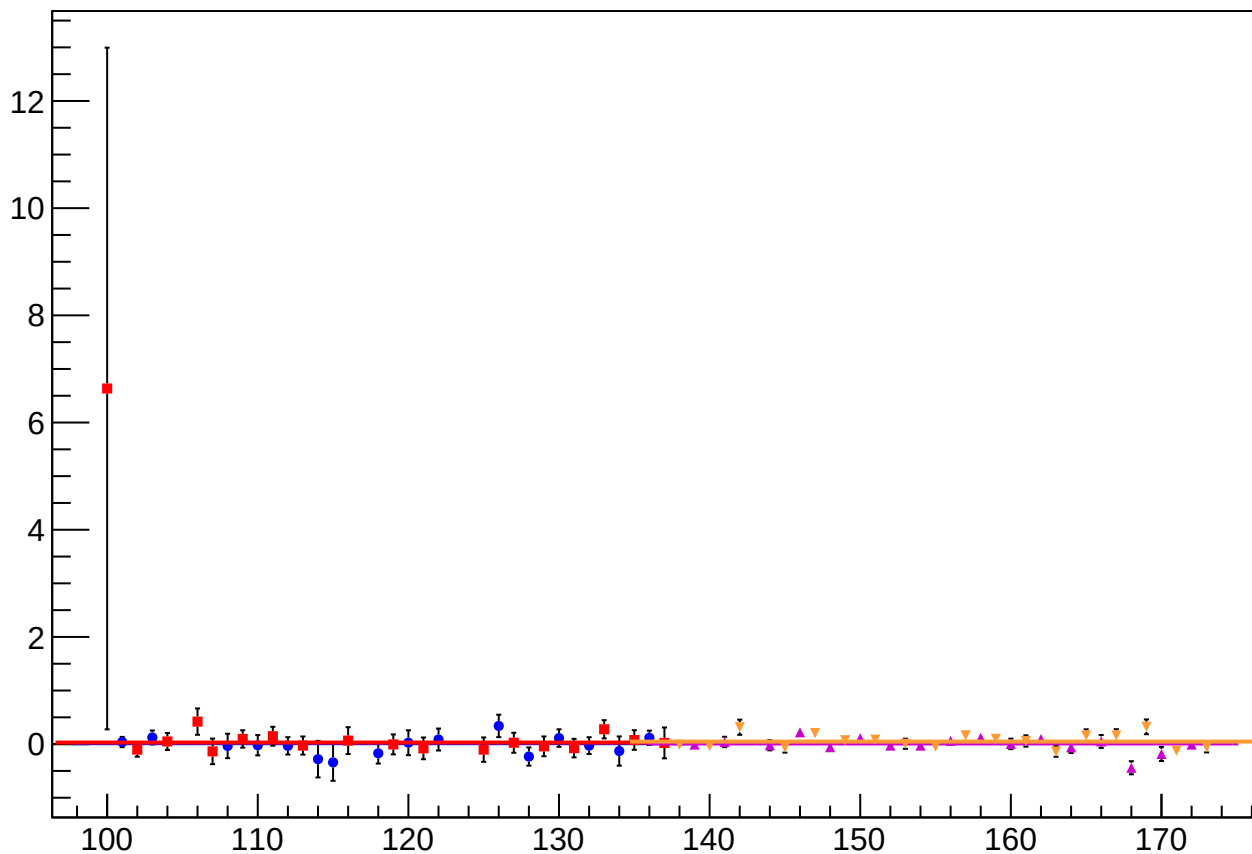
Right: -0.050 ± 0.017 χ^2/NDF : 30.3/33

In: -0.068 ± 0.014 χ^2/NDF : 37.0/32

Out: -0.072 ± 0.014 χ^2/NDF : 38.6/35

All: -0.070 ± 0.010 χ^2/NDF : 75.6/68

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.017 $\pm$ 0.043 χ^2 /NDF: 9.6/15

Left Out: 0.047 $\pm$ 0.023 χ^2 /NDF:27.0/17

Right Out: 0.030 $\pm$ 0.045 χ^2 /NDF: 9.2/17

Left In: 0.012 $\pm$ 0.023 χ^2 /NDF:27.9/16

Left: 0.030 $\pm$ 0.016 χ^2 /NDF: 56.1/34

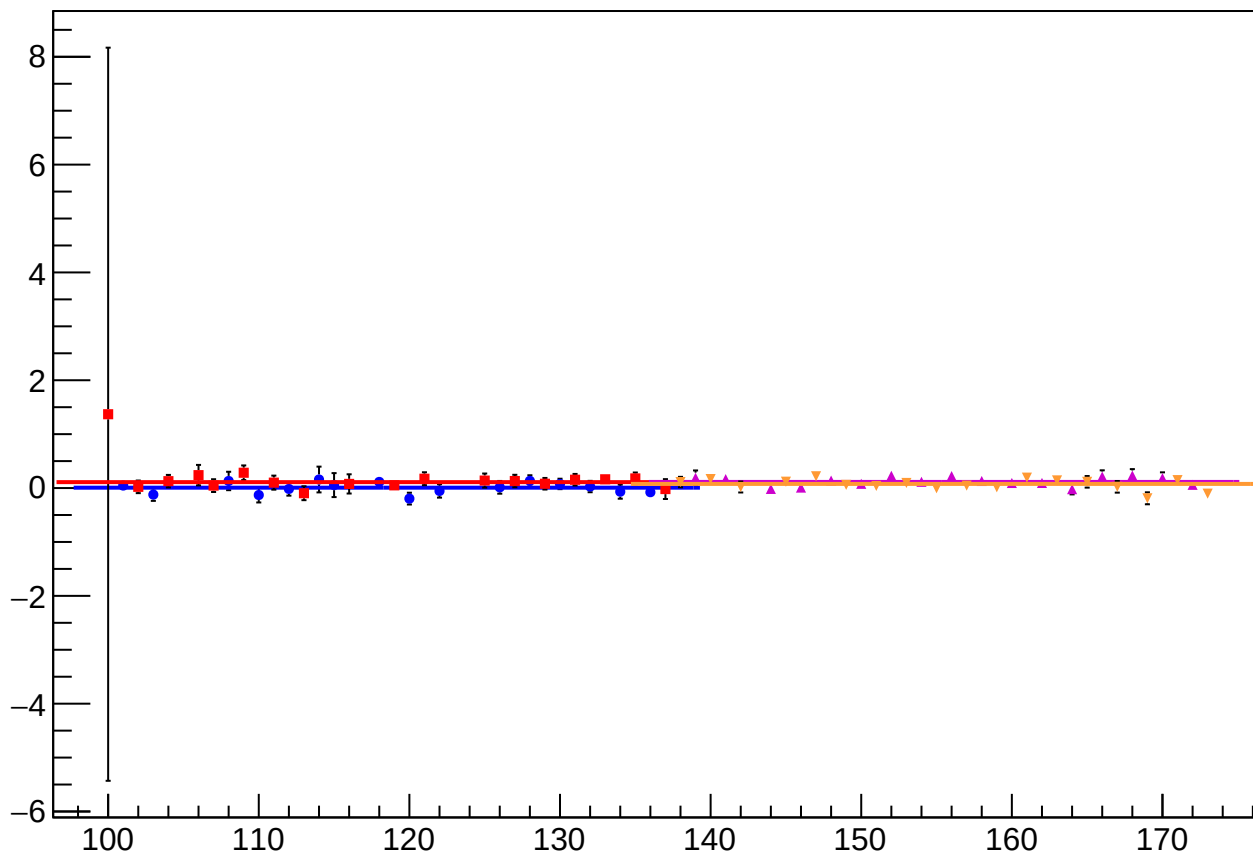
Right: 0.023 $\pm$ 0.031 χ^2 /NDF: 18.9/33

In: 0.013 $\pm$ 0.020 χ^2 /NDF:37.5/32

Out: 0.044 $\pm$ 0.020 χ^2 /NDF:36.3/35

All: 0.028 $\pm$ 0.014 χ^2 /NDF: 75.0/68

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: 0.077 $\pm$ 0.019 χ^2 /NDF:24.8/17

Right Out: 0.110 $\pm$ 0.029 χ^2 /NDF: 8.0/17

Left In: 0.113 $\pm$ 0.020 χ^2 /NDF:15.7/16

Left: 0.095 $\pm$ 0.014 χ^2 /NDF: 42.3/34

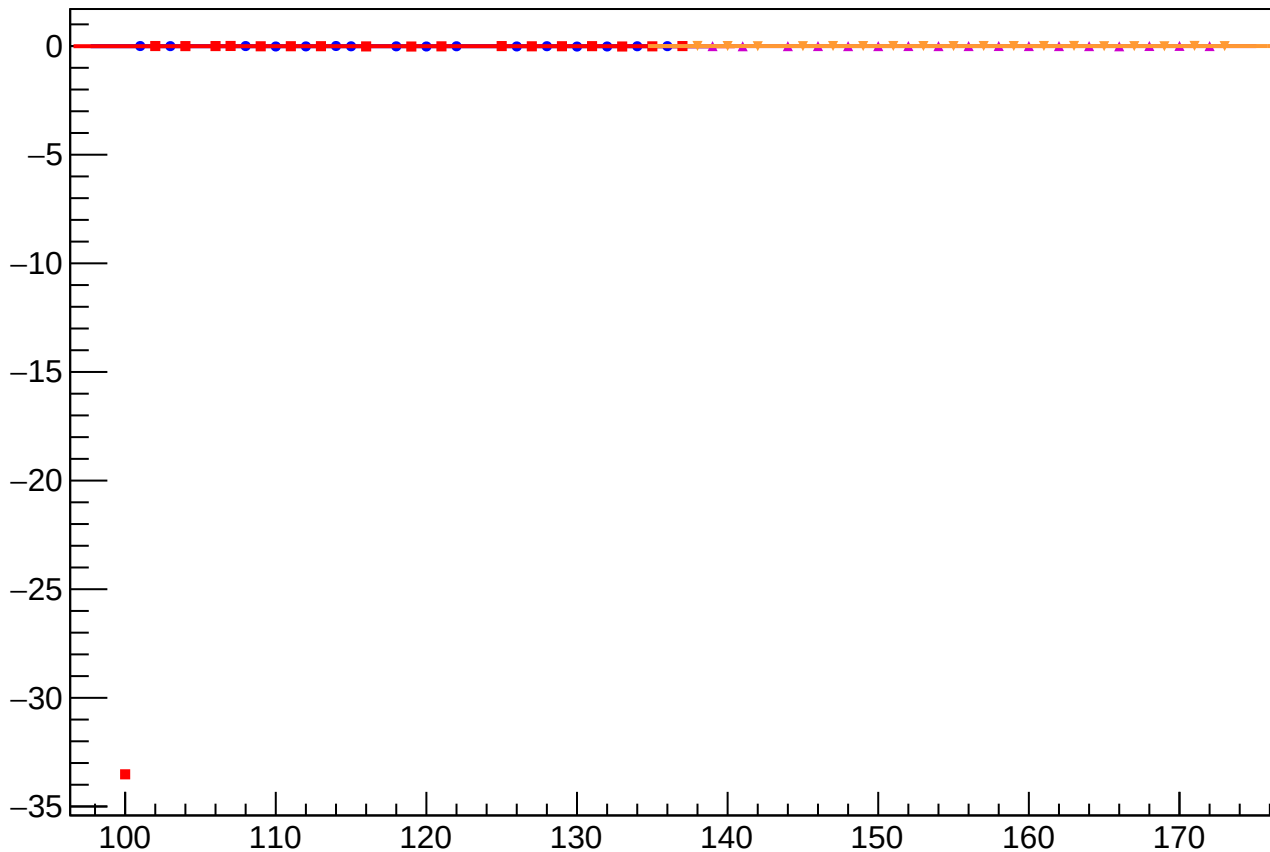
Right: 0.055 $\pm$ 0.020 χ^2 /NDF: 27.0/33

In: 0.077 $\pm$ 0.016 χ^2 /NDF:38.0/32

Out: 0.087 $\pm$ 0.016 χ^2 /NDF:33.7/35

All: 0.082 $\pm$ 0.011 χ^2 /NDF: 72.0/68

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:18.5/17

Right Out: -0.006 $\pm$ 0.001 χ^2 /NDF: 26508.9/17

Left In: 0.001 $\pm$ 0.001 χ^2 /NDF:15.0/16

Left: 0.001 $\pm$ 0.001 χ^2 /NDF: 33.5/34

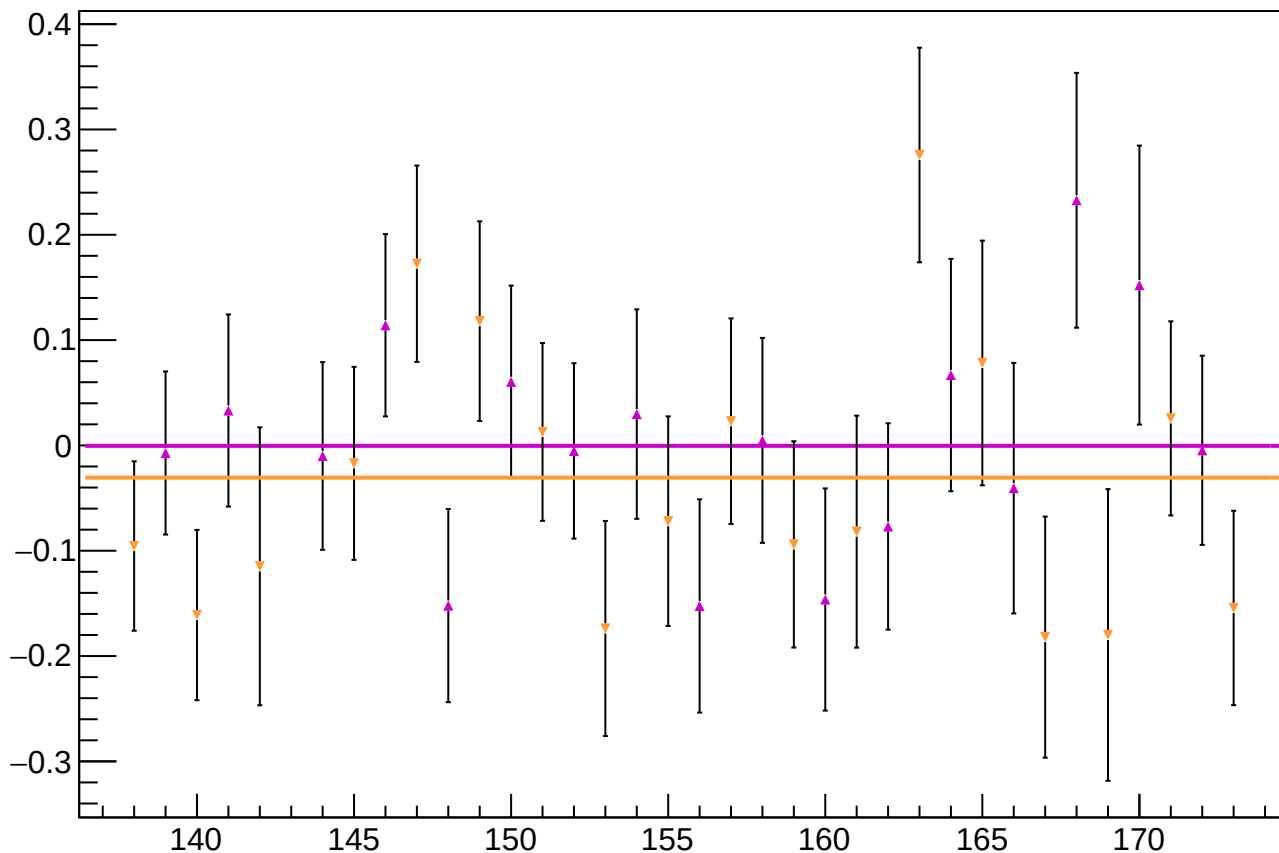
Right: -0.006 $\pm$ 0.001 χ^2 /NDF: 26531.6/33

In: -0.001 $\pm$ 0.001 χ^2 /NDF:50.0/32

Out: -0.001 $\pm$ 0.001 χ^2 /NDF:26543.2/35

All: -0.001 $\pm$ 0.001 χ^2 /NDF: 26593.3/68

reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.031 $\pm$ 0.023 χ^2 /NDF:29.2/17

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

Left In: -0.000 $\pm$ 0.023 χ^2 /NDF:15.5/16

Left: -0.016 $\pm$ 0.016 χ^2 /NDF: 45.6/34

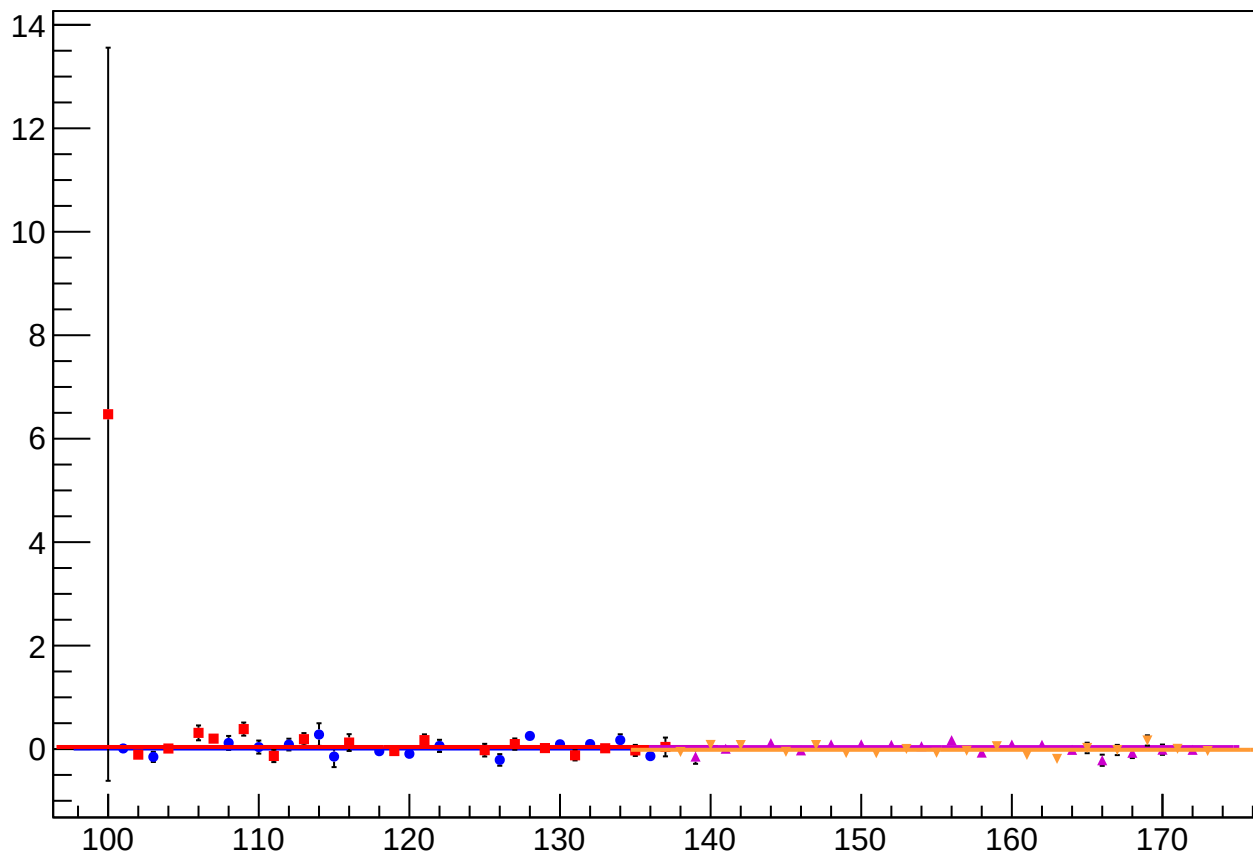
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.000 $\pm$ 0.023 χ^2 /NDF:15.5/16

Out: -0.031 $\pm$ 0.023 χ^2 /NDF:29.2/17

All: -0.016 $\pm$ 0.016 χ^2 /NDF: 45.6/34

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: -0.014 $\pm$ 0.016 χ^2 /NDF:23.1/17

Right Out: 0.040 $\pm$ 0.025 χ^2 /NDF: 27.9/17

Left In: 0.038 $\pm$ 0.017 χ^2 /NDF:22.5/16

Left: 0.011 $\pm$ 0.012 χ^2 /NDF: 50.6/34

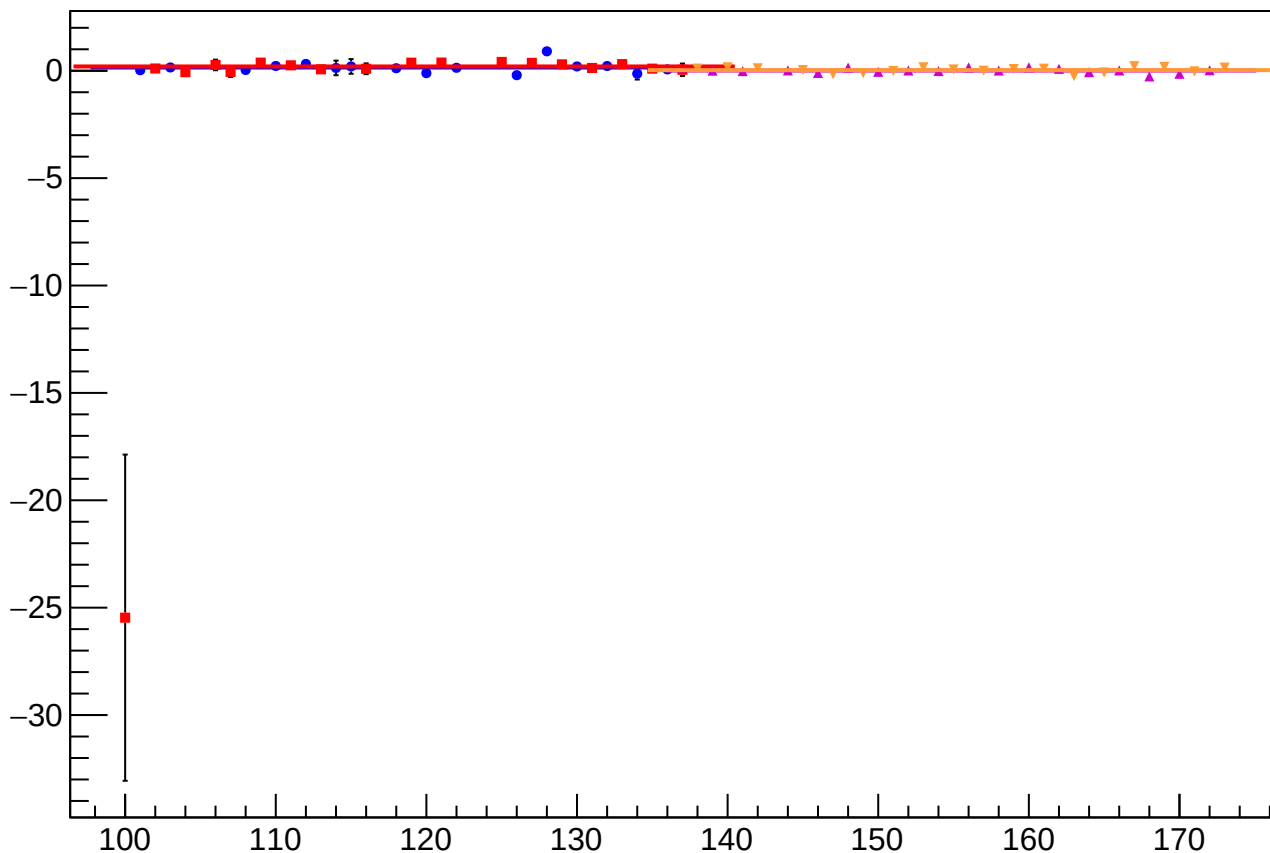
Right: 0.024 $\pm$ 0.017 χ^2 /NDF: 54.1/33

In: 0.029 $\pm$ 0.014 χ^2 /NDF:48.9/32

Out: 0.002 $\pm$ 0.014 χ^2 /NDF:54.4/35

All: 0.016 $\pm$ 0.010 χ^2 /NDF: 105.1/68

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: 0.029 $\pm$ 0.023 χ^2 /NDF:28.3/17

Right Out: 0.200 $\pm$ 0.045 χ^2 /NDF: 22.9/17

Left In: 0.010 $\pm$ 0.023 χ^2 /NDF:17.2/16

Left: 0.020 $\pm$ 0.016 χ^2 /NDF: 45.9/34

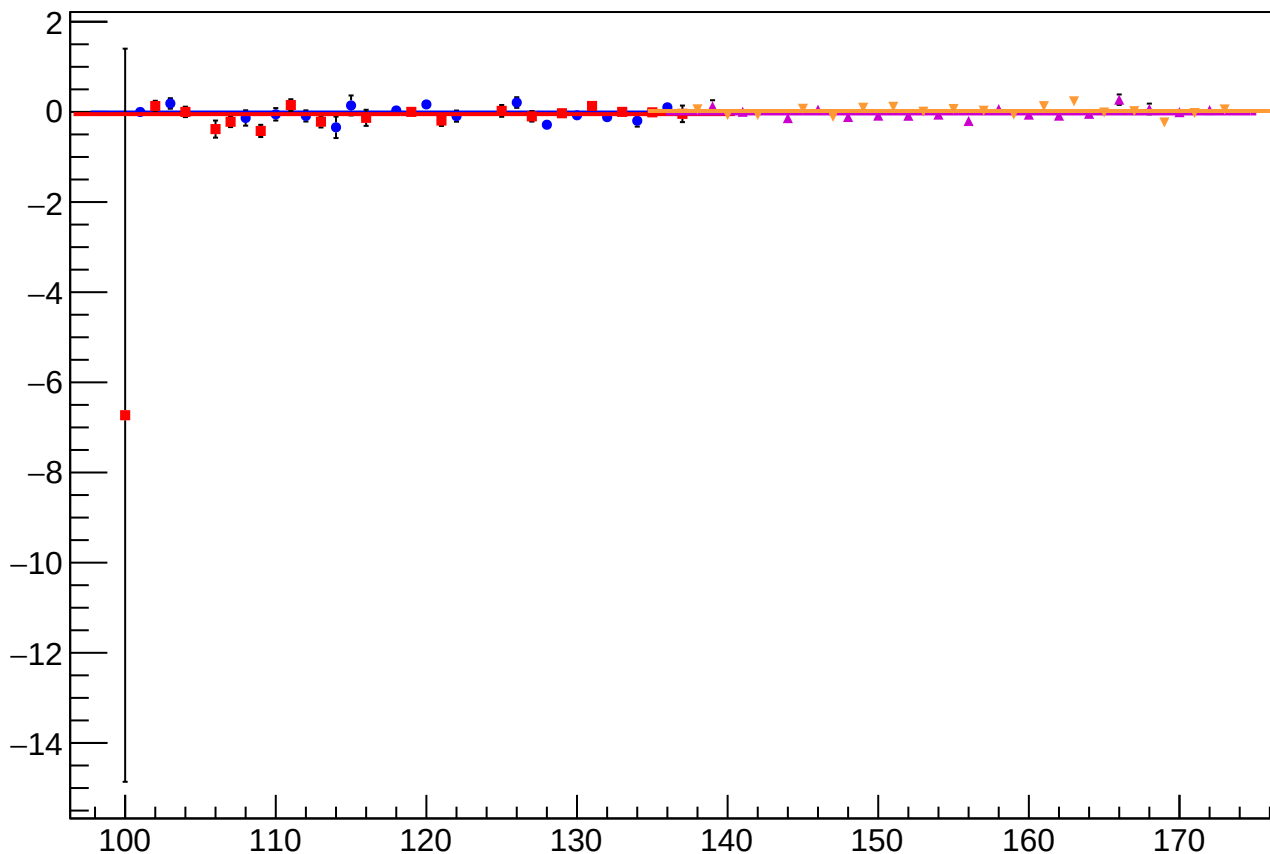
Right: 0.175 $\pm$ 0.031 χ^2 /NDF: 52.2/33

In: 0.042 $\pm$ 0.020 χ^2 /NDF:54.5/32

Out: 0.064 $\pm$ 0.020 χ^2 /NDF:62.8/35

All: 0.053 $\pm$ 0.014 χ^2 /NDF: 117.8/68

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: 0.020 ± 0.019 χ^2/NDF : 26.2/17

Right Out: -0.050 ± 0.029 χ^2/NDF : 25.7/17

Left In: -0.035 ± 0.020 χ^2/NDF : 23.2/16

Left: -0.006 ± 0.014 χ^2/NDF : 53.4/34

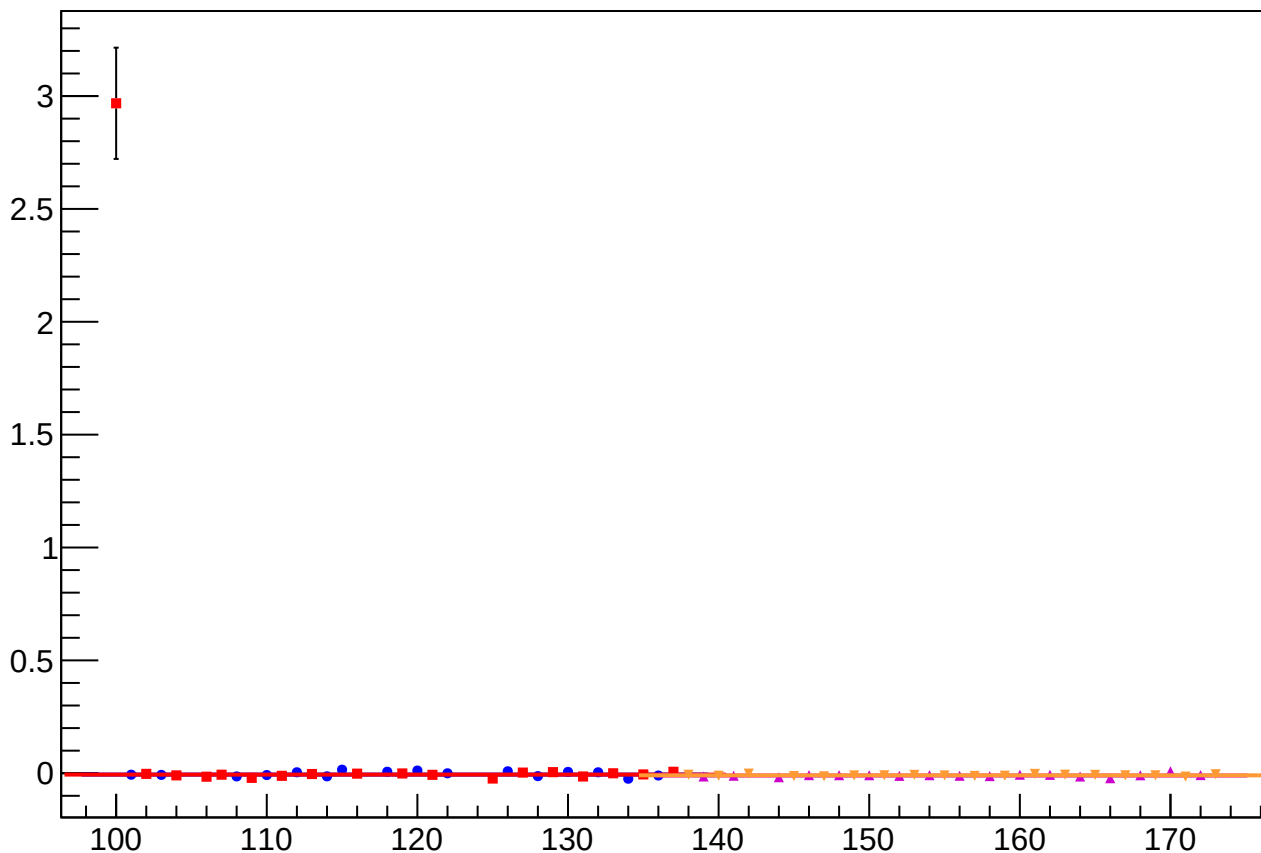
Right: -0.031 ± 0.020 χ^2/NDF : 51.8/33

In: -0.027 ± 0.016 χ^2/NDF : 48.7/32

Out: -0.001 ± 0.016 χ^2/NDF : 56.1/35

All: -0.014 ± 0.011 χ^2/NDF : 106.1/68

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006 $\pm$ 0.001 χ^2 /NDF: 29.0/15

Left Out: -0.009 $\pm$ 0.001 χ^2 /NDF:14.1/17

Right Out: -0.006 $\pm$ 0.001 χ^2 /NDF: 165.9/17

Left In: -0.010 $\pm$ 0.001 χ^2 /NDF:30.1/16

Left: -0.010 $\pm$ 0.001 χ^2 /NDF: 44.8/34

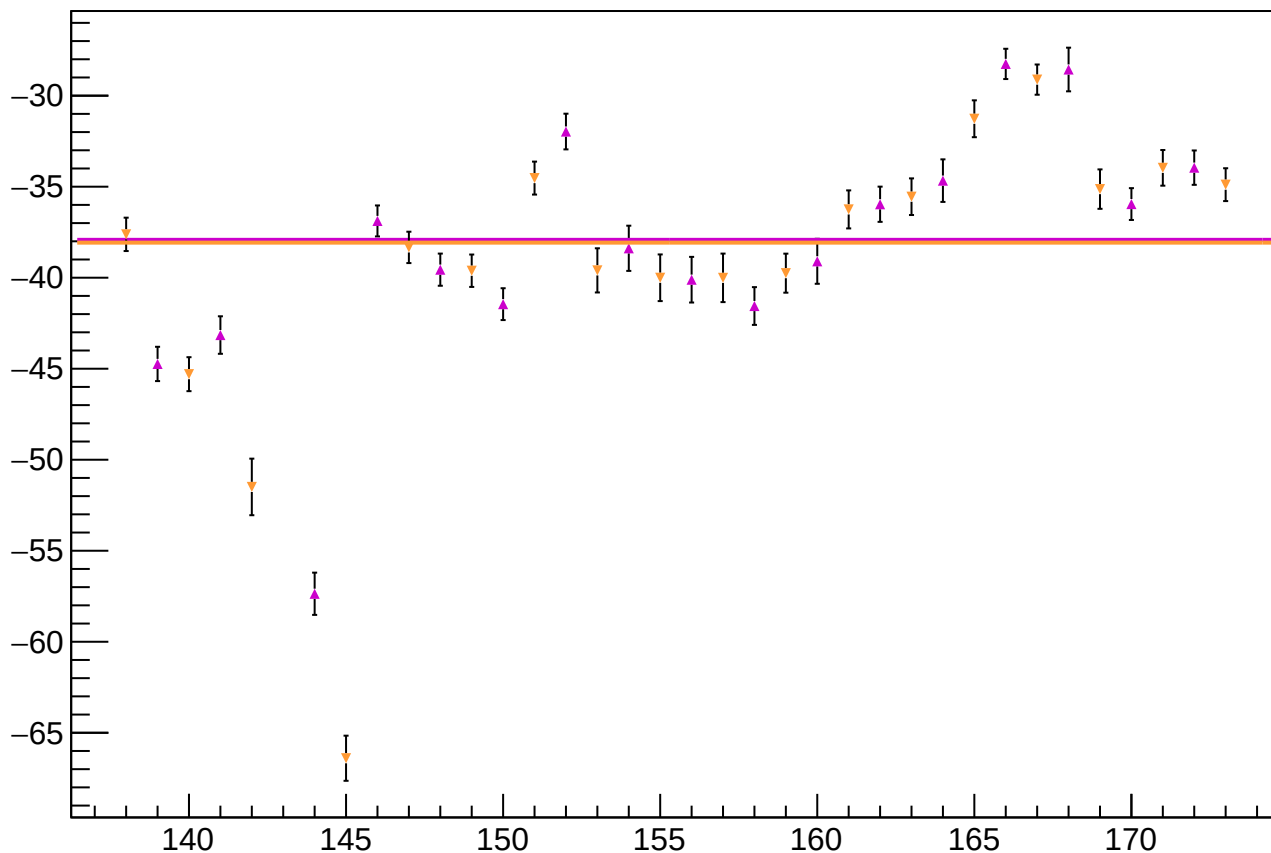
Right: -0.006 $\pm$ 0.001 χ^2 /NDF: 194.8/33

In: -0.009 $\pm$ 0.001 χ^2 /NDF:65.1/32

Out: -0.008 $\pm$ 0.001 χ^2 /NDF:183.6/35

All: -0.009 $\pm$ 0.001 χ^2 /NDF: 249.1/68

reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -38.073 $\pm$ 0.240 χ^2 /NDF:892.1/17

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

Left In: -37.920 $\pm$ 0.242 χ^2 /NDF:663.9/16

Left: -37.997 $\pm$ 0.170 χ^2 /NDF: 1556.2/34

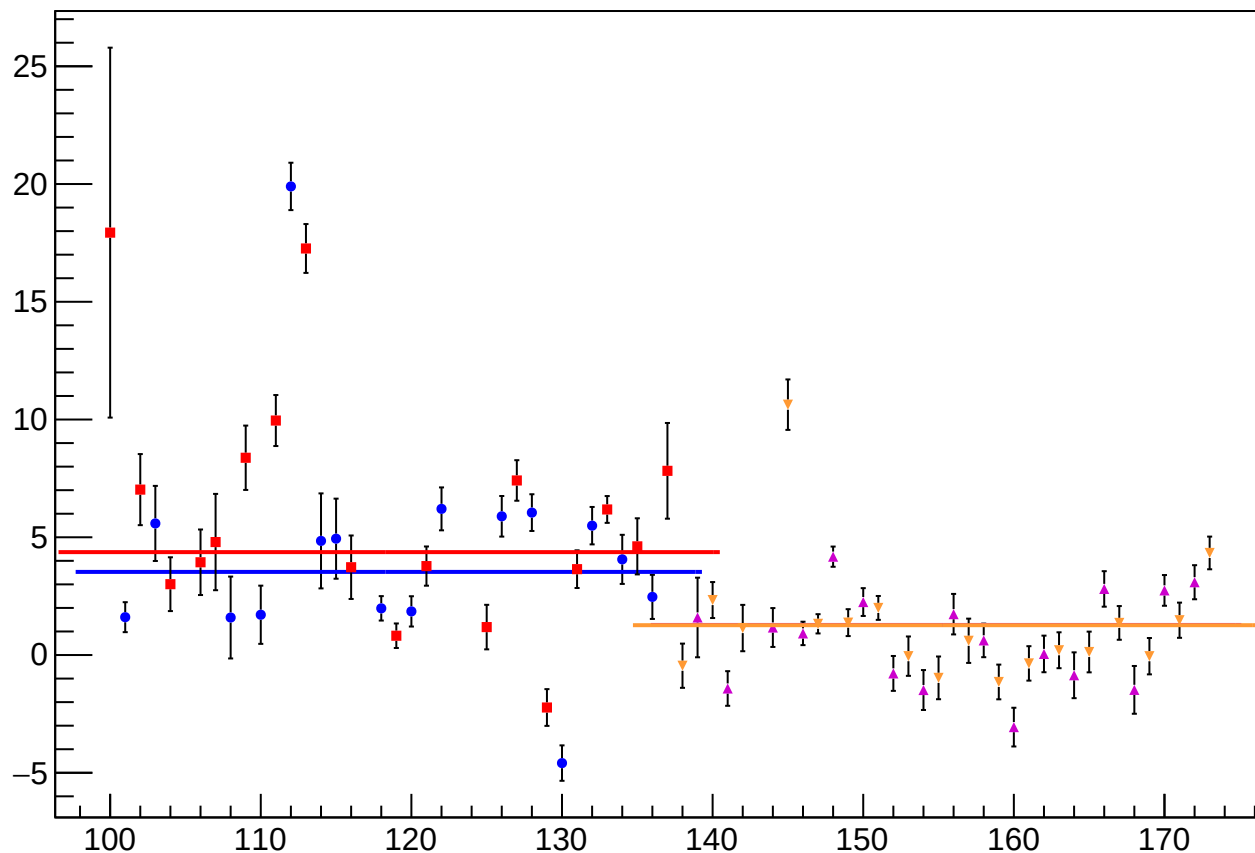
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -37.920 $\pm$ 0.242 χ^2 /NDF:663.9/16

Out: -38.073 $\pm$ 0.240 χ^2 /NDF:892.1/17

All: -37.997 $\pm$ 0.170 χ^2 /NDF: 1556.2/34

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: 1.267 ± 0.167 $\chi^2/\text{NDF}: 134.8/17$

Right Out: 4.370 ± 0.225 $\chi^2/\text{NDF}: 353.8/17$

Left In: 1.277 ± 0.172 $\chi^2/\text{NDF}: 139.9/16$

Left: 1.272 ± 0.120 $\chi^2/\text{NDF}: 274.7/34$

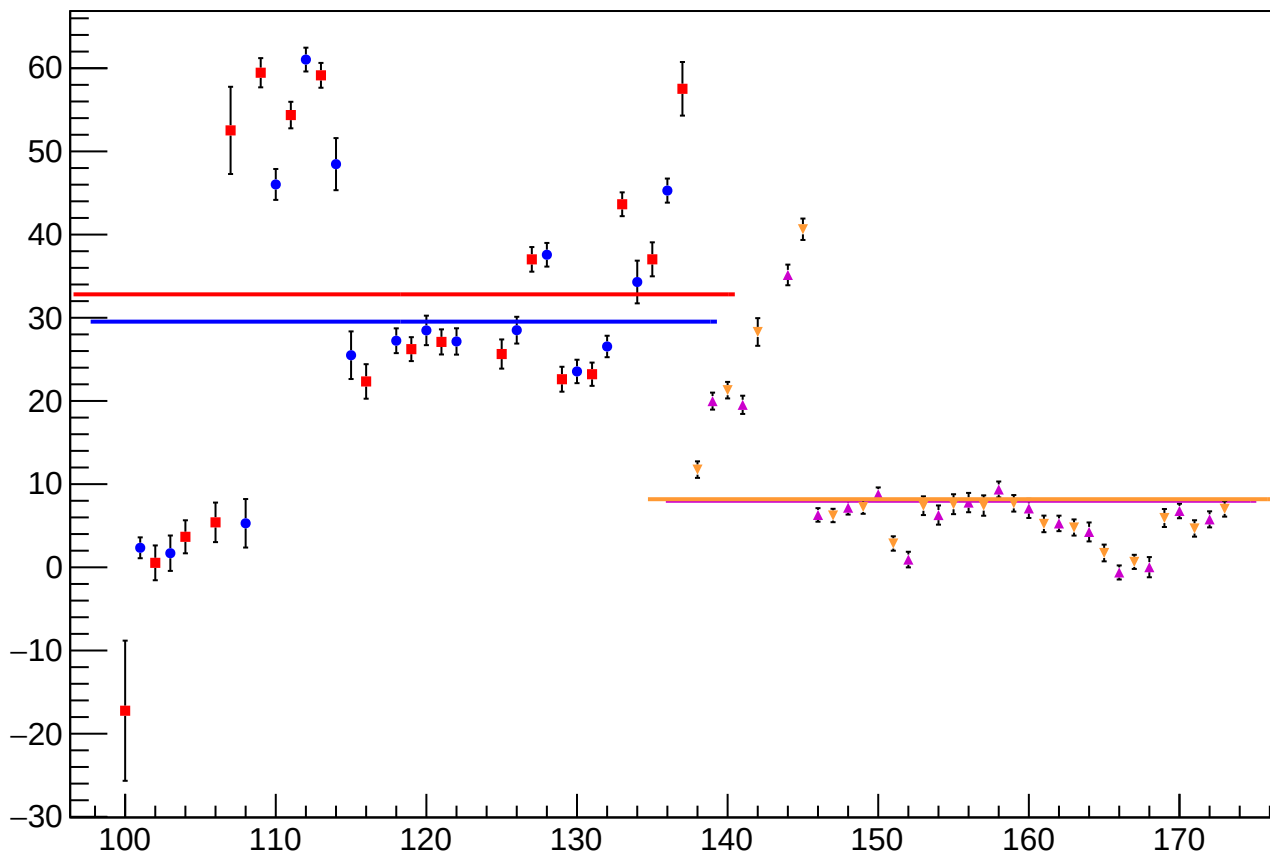
Right: 3.934 ± 0.156 $\chi^2/\text{NDF}: 807.6/33$

In: 2.146 ± 0.135 $\chi^2/\text{NDF}: 652.5/32$

Out: 2.369 ± 0.134 $\chi^2/\text{NDF}: 610.8/35$

All: 2.258 ± 0.095 $\chi^2/\text{NDF}: 1264.7/68$

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: 8.189 $\pm$ 0.236 χ^2 /NDF:1175.4/17

Right Out: 32.816 $\pm$ 0.423 χ^2 /NDF: 1659.3/17

Left In: 8.000 $\pm$ 0.237 χ^2 /NDF:968.6/16

Left: 8.095 $\pm$ 0.167 χ^2 /NDF: 2144.3/34

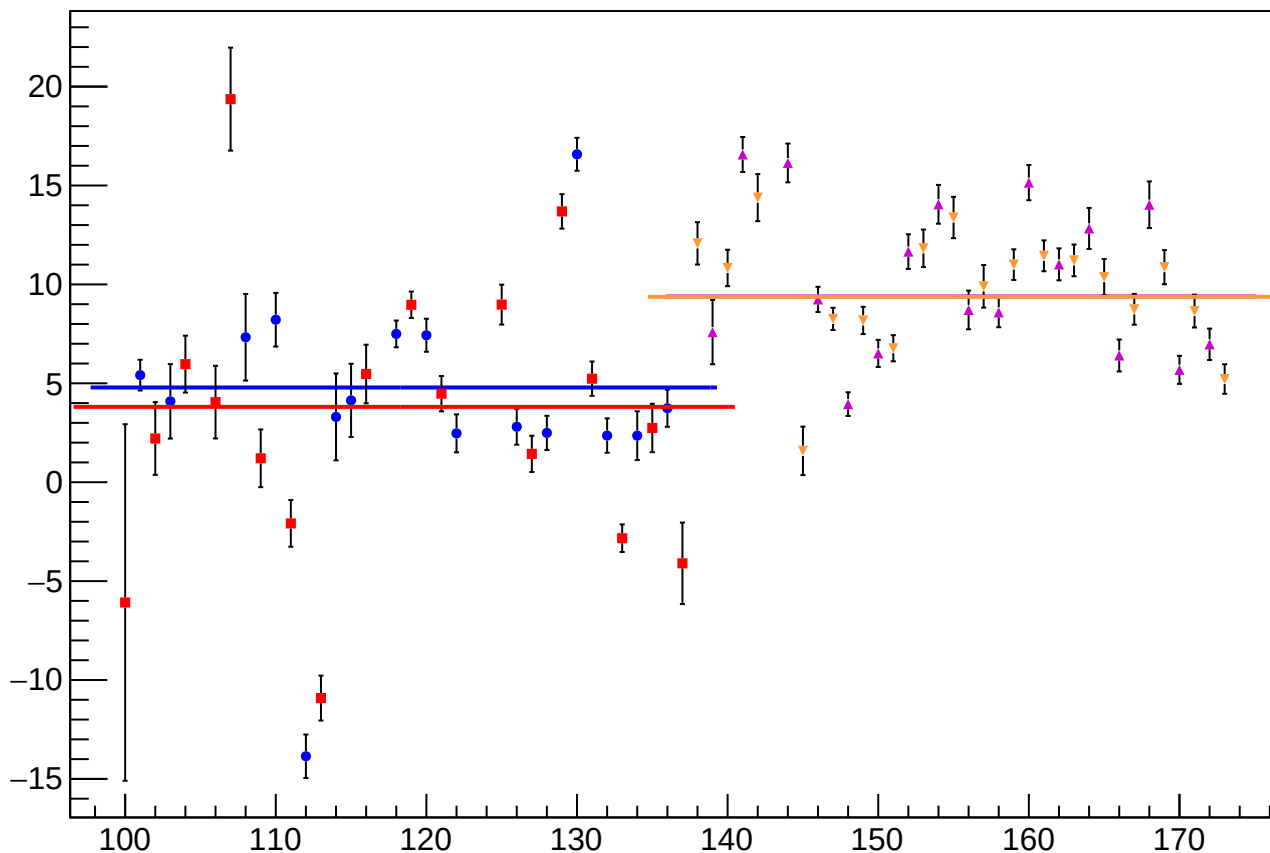
Right: 31.152 $\pm$ 0.297 χ^2 /NDF: 3184.7/33

In: 13.274 $\pm$ 0.206 χ^2 /NDF:4479.6/32

Out: 14.043 $\pm$ 0.206 χ^2 /NDF:5420.4/35

All: 13.659 $\pm$ 0.146 χ^2 /NDF: 9907.0/68

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.789 ± 0.251 $\chi^2/\text{NDF}: 553.9/15$

Left Out: 9.371 ± 0.195 $\chi^2/\text{NDF}: 164.6/17$

Right Out: 3.809 ± 0.259 $\chi^2/\text{NDF}: 567.6/17$

Left In: 9.391 ± 0.201 $\chi^2/\text{NDF}: 368.2/16$

Left: 9.381 ± 0.140 $\chi^2/\text{NDF}: 532.8/34$

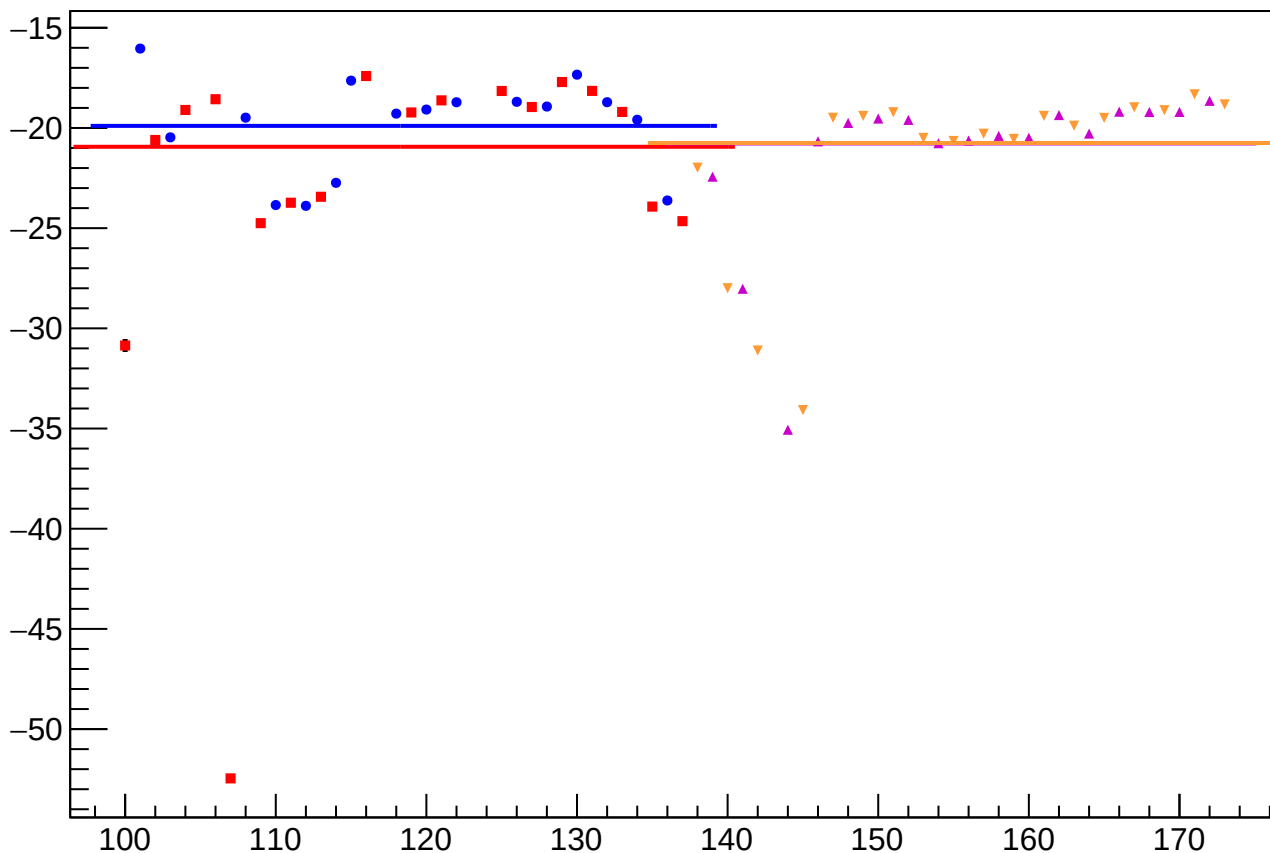
Right: 4.313 ± 0.180 $\chi^2/\text{NDF}: 1128.9/33$

In: 7.597 ± 0.157 $\chi^2/\text{NDF}: 1126.9/32$

Out: 7.351 ± 0.156 $\chi^2/\text{NDF}: 1026.2/35$

All: 7.473 ± 0.111 $\chi^2/\text{NDF}: 2154.4/68$

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.895 $\pm$ 0.016 χ^2 /NDF: 26073.6/15

Left Out: -20.751 $\pm$ 0.009 χ^2 /NDF:140933.2/17

Right Out: -20.938 $\pm$ 0.016 χ^2 /NDF: 94065.2/17

Left In: -20.774 $\pm$ 0.009 χ^2 /NDF:111867.5/16

Left: -20.762 $\pm$ 0.007 χ^2 /NDF: 252803.9/34

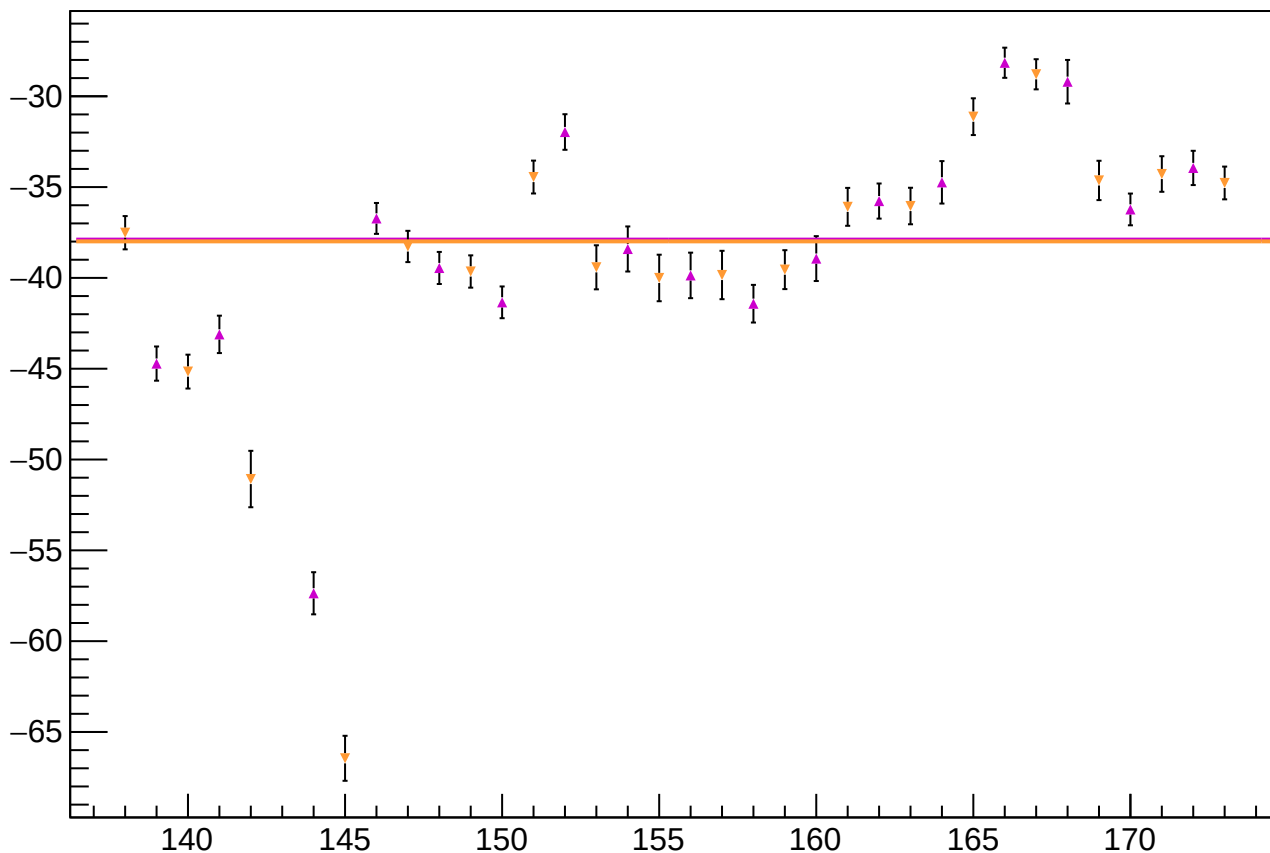
Right: -20.412 $\pm$ 0.011 χ^2 /NDF: 122364.1/33

In: -20.543 $\pm$ 0.008 χ^2 /NDF:140288.5/32

Out: -20.799 $\pm$ 0.008 χ^2 /NDF:235104.7/35

All: -20.671 $\pm$ 0.006 χ^2 /NDF: 375909.1/68

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: -37.988+/-0.240 χ^2/NDF : 897.7/17

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

Left In: -37.893+/-0.242 χ^2/NDF : 655.6/16

Left: -37.941+/-0.170 χ^2/NDF : 1553.4/34

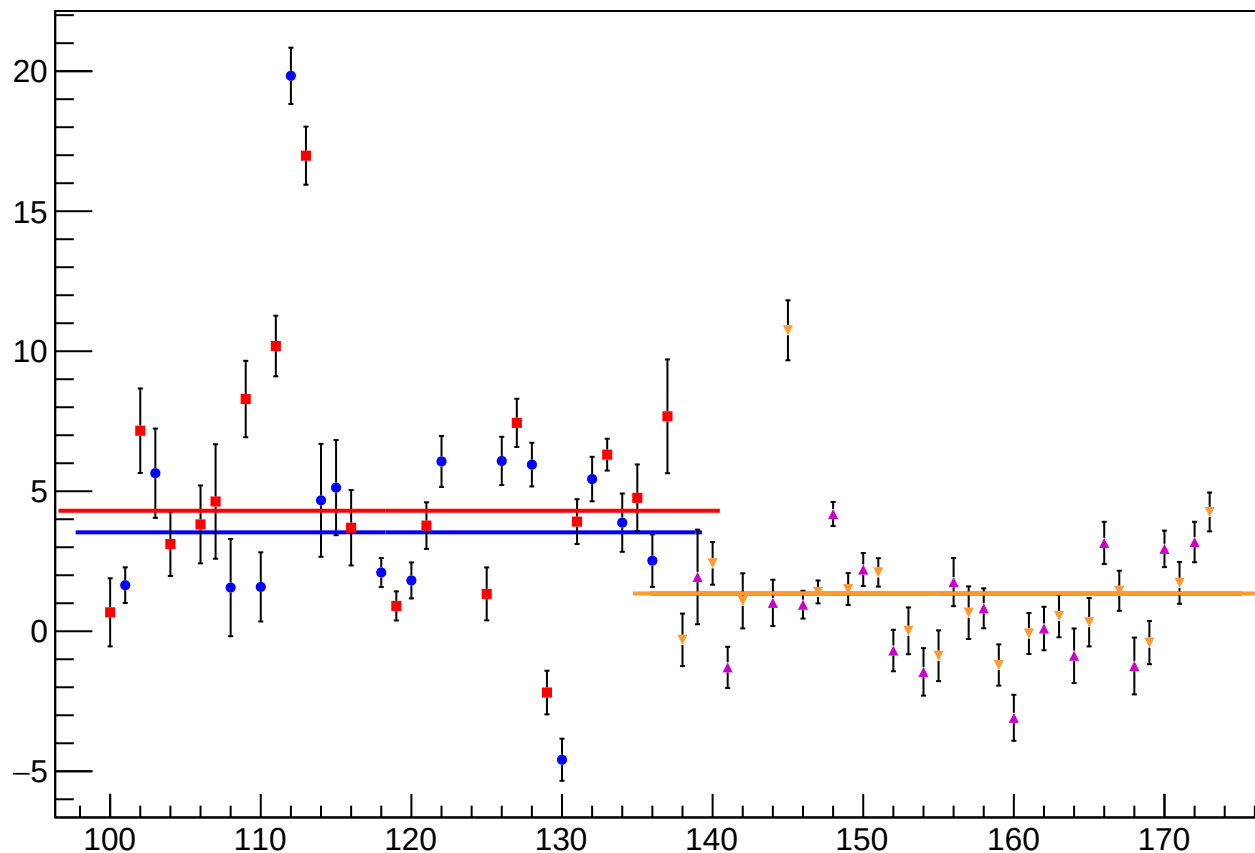
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -37.893+/-0.242 χ^2/NDF : 655.6/16

Out: -37.988+/-0.240 χ^2/NDF : 897.7/17

All: -37.941+/-0.170 χ^2/NDF : 1553.4/34

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: 1.351 ± 0.167 $\chi^2/\text{NDF}: 135.1/17$

Right Out: 4.303 ± 0.222 $\chi^2/\text{NDF}: 352.8/17$

Left In: 1.347 ± 0.172 $\chi^2/\text{NDF}: 140.7/16$

Left: 1.349 ± 0.120 $\chi^2/\text{NDF}: 275.8/34$

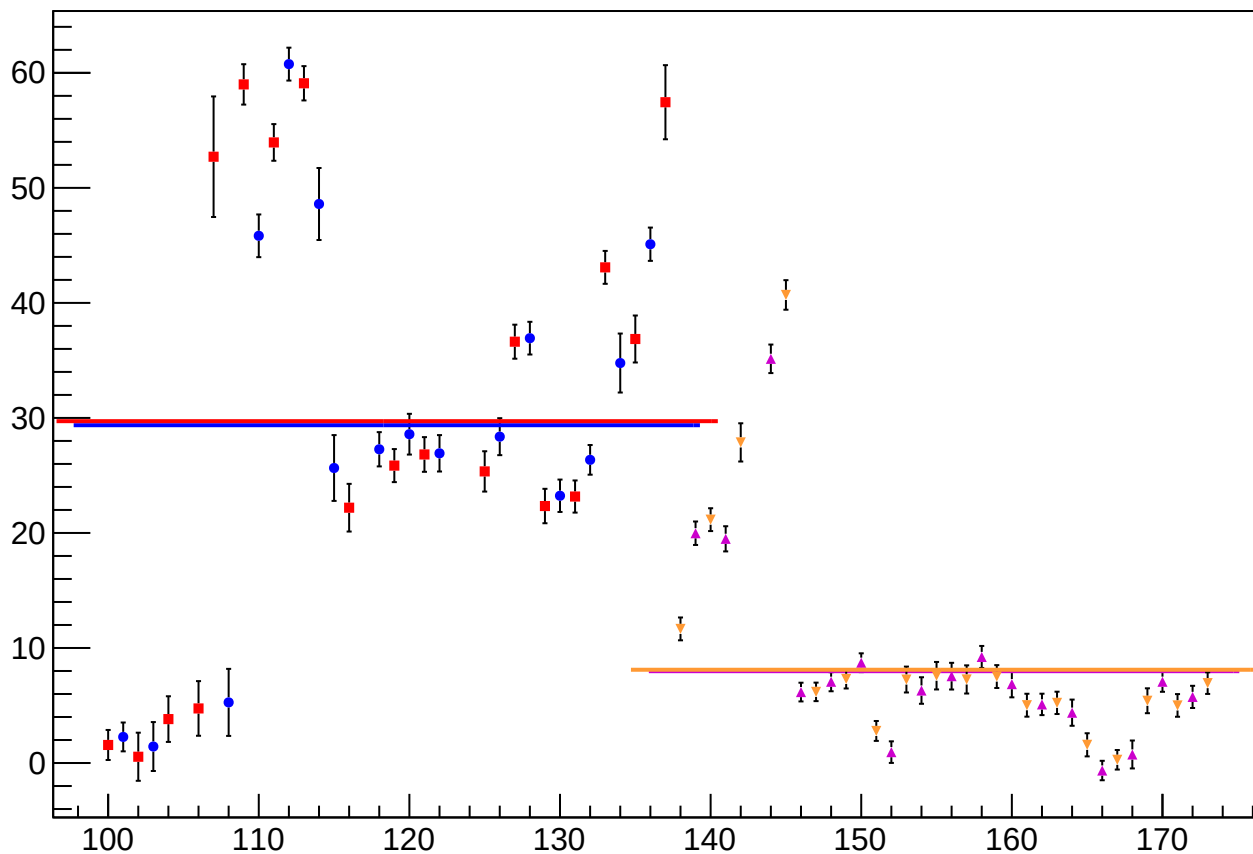
Right: 3.910 ± 0.155 $\chi^2/\text{NDF}: 802.2/33$

In: 2.190 ± 0.135 $\chi^2/\text{NDF}: 646.2/32$

Out: 2.422 ± 0.133 $\chi^2/\text{NDF}: 601.0/35$

All: 2.307 ± 0.095 $\chi^2/\text{NDF}: 1248.7/68$

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: 8.107 $\pm$ 0.236 χ^2 /NDF:1178.6/17

Right Out: 29.719 $\pm$ 0.402 χ^2 /NDF: 2129.5/17

Left In: 7.983 $\pm$ 0.237 χ^2 /NDF:962.4/16

Left: 8.045 $\pm$ 0.167 χ^2 /NDF: 2141.2/34

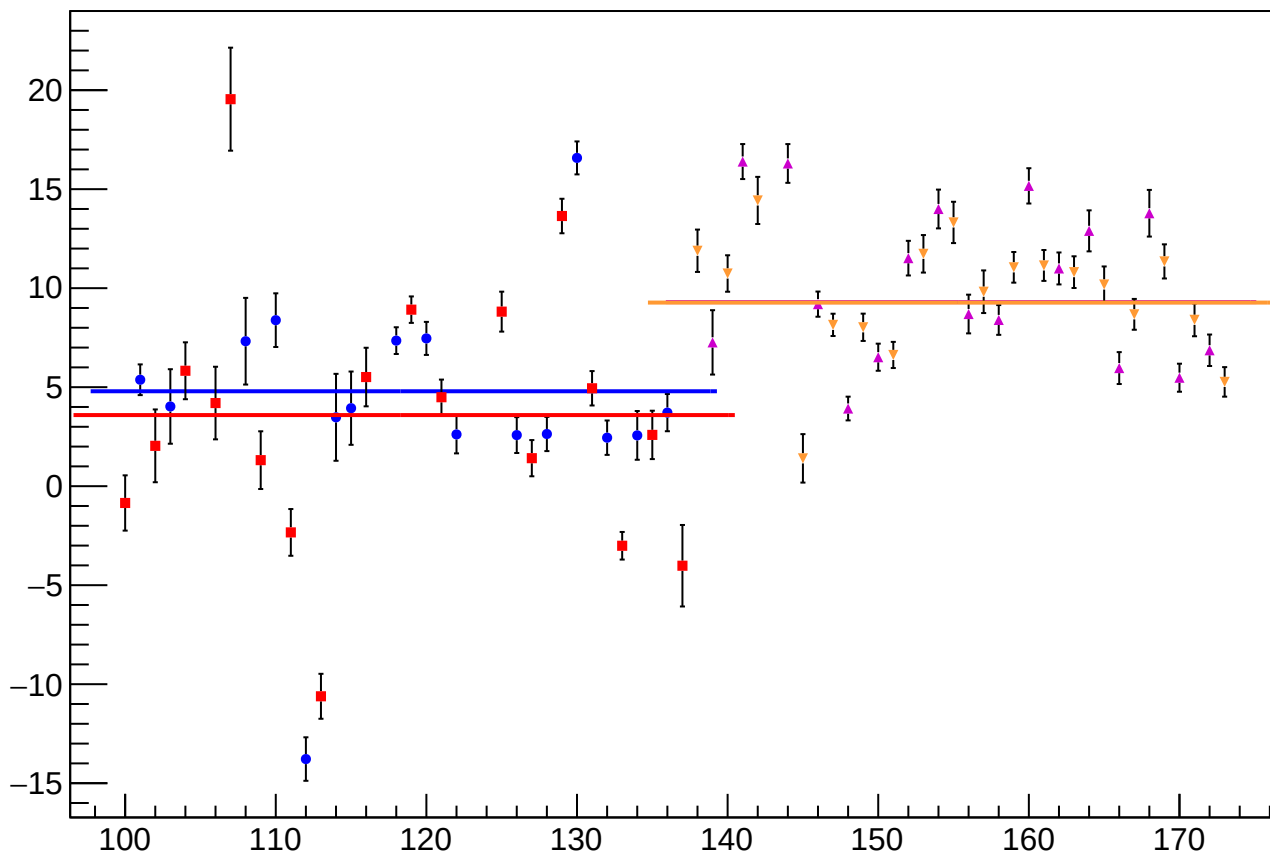
Right: 29.549 $\pm$ 0.289 χ^2 /NDF: 3618.6/33

In: 13.220 $\pm$ 0.206 χ^2 /NDF:4441.7/32

Out: 13.637 $\pm$ 0.204 χ^2 /NDF:5454.0/35

All: 13.431 $\pm$ 0.145 χ^2 /NDF: 9897.8/68

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: 9.273 ± 0.195 $\chi^2/\text{NDF}: 166.1/17$

Right Out: 3.591 ± 0.254 $\chi^2/\text{NDF}: 573.3/17$

Left In: 9.297 ± 0.201 $\chi^2/\text{NDF}: 375.5/16$

Left: 9.285 ± 0.140 $\chi^2/\text{NDF}: 541.6/34$

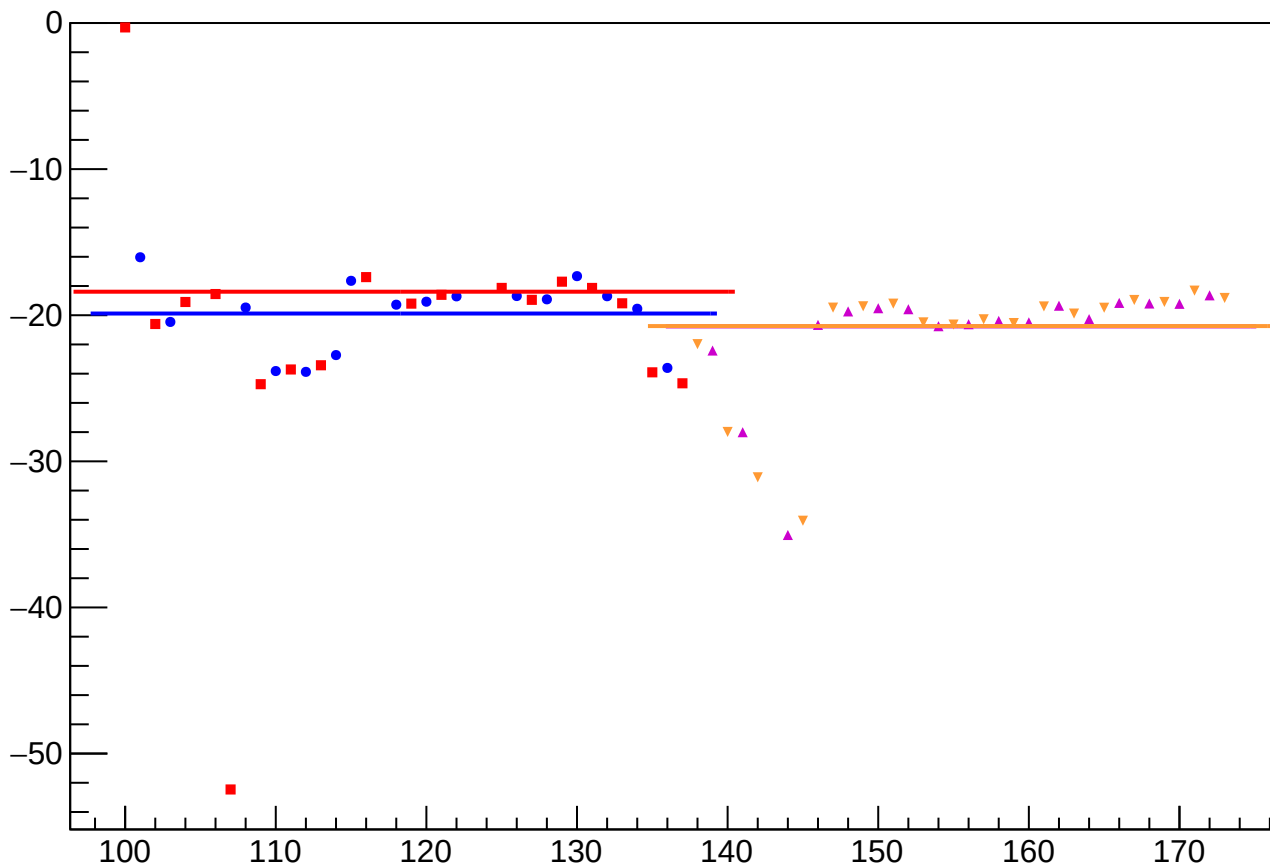
Right: 4.201 ± 0.179 $\chi^2/\text{NDF}: 1134.6/33$

In: 7.541 ± 0.157 $\chi^2/\text{NDF}: 1121.7/32$

Out: 7.166 ± 0.155 $\chi^2/\text{NDF}: 1053.1/35$

All: 7.351 ± 0.110 $\chi^2/\text{NDF}: 2177.7/68$

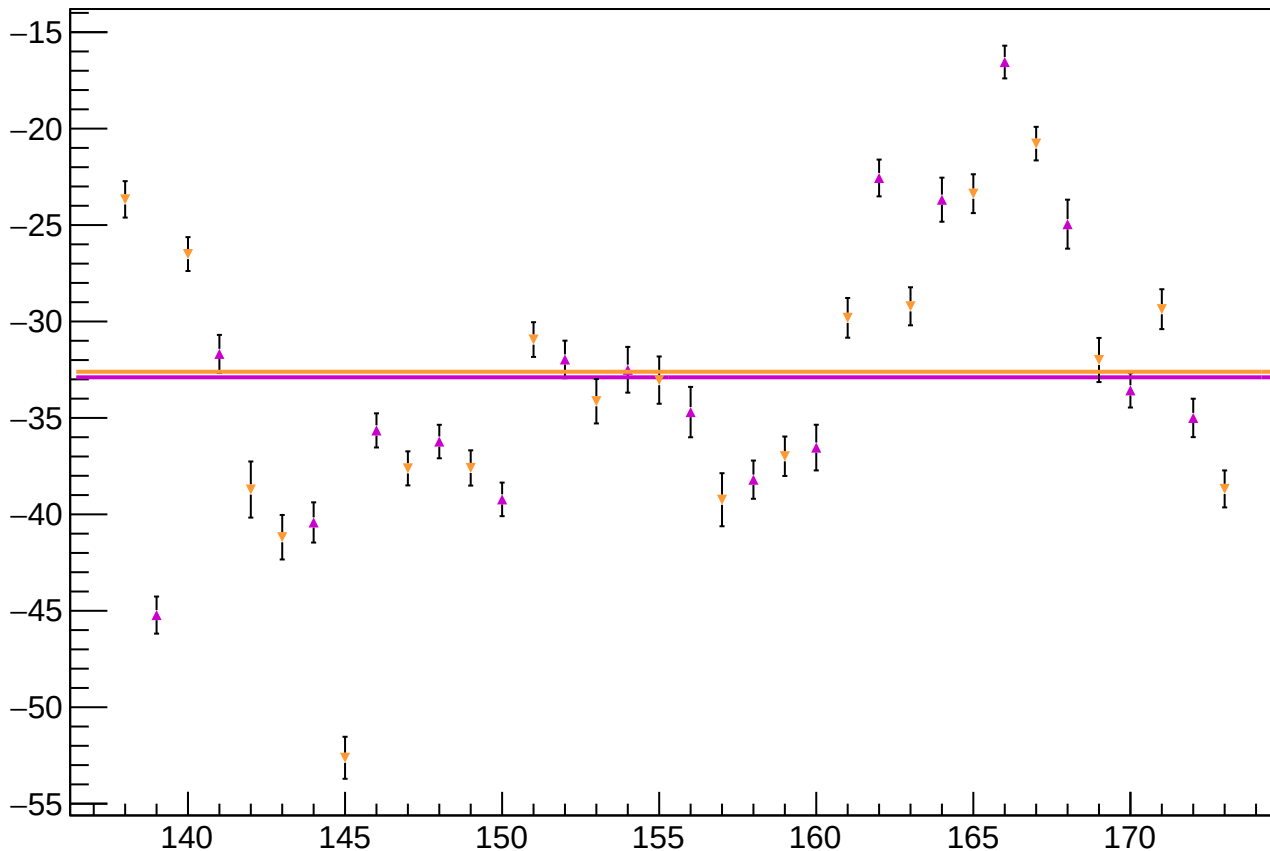
reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.883 ± 0.016 $\chi^2/\text{NDF}: 26063.5/15$
 Left Out: -20.743 ± 0.009 $\chi^2/\text{NDF}: 141024.5/17$
 Right Out: -18.390 ± 0.015 $\chi^2/\text{NDF}: 301247.7/17$
 Left In: -20.765 ± 0.009 $\chi^2/\text{NDF}: 111761.7/16$

Left: -20.754 ± 0.007 $\chi^2/\text{NDF}: 252789.3/34$
 Right: -19.096 ± 0.011 $\chi^2/\text{NDF}: 332167.8/33$
 In: -20.533 ± 0.008 $\chi^2/\text{NDF}: 140193.5/32$
 Out: -20.077 ± 0.008 $\chi^2/\text{NDF}: 460550.7/35$
 All: -20.301 ± 0.006 $\chi^2/\text{NDF}: 602402.9/68$

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: -32.606+/-0.235 χ^2/NDF :995.5/18

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

Left In: -32.895+/-0.241 χ^2/NDF :933.7/16

Left: -32.746+/-0.168 χ^2/NDF : 1930.0/35

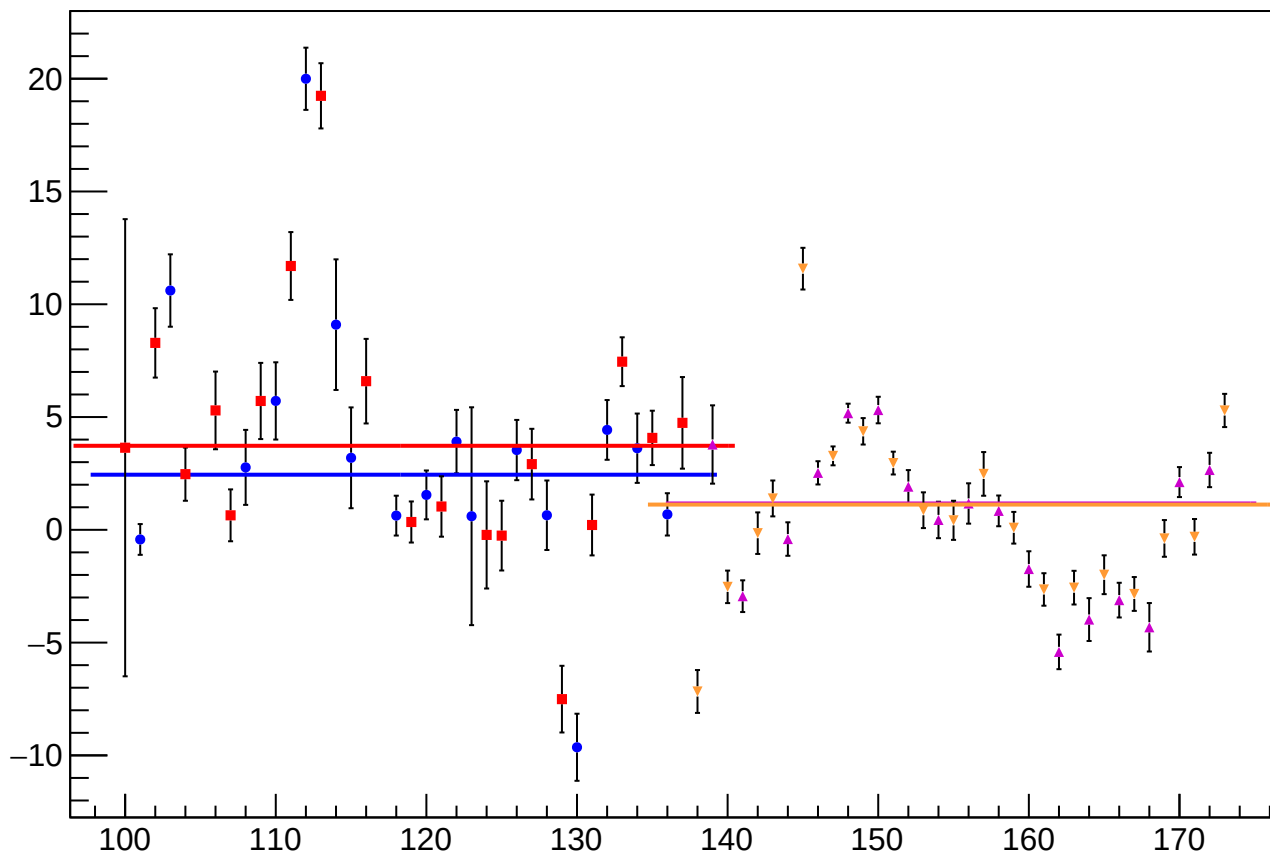
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -32.895+/-0.241 χ^2/NDF :933.7/16

Out: -32.606+/-0.235 χ^2/NDF :995.5/18

All: -32.746+/-0.168 χ^2/NDF : 1930.0/35

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.444 ± 0.311 $\chi^2/\text{NDF}: 295.3/16$

Left Out: 1.120 ± 0.164 $\chi^2/\text{NDF}: 438.5/18$

Right Out: 3.726 ± 0.327 $\chi^2/\text{NDF}: 269.1/18$

Left In: 1.169 ± 0.171 $\chi^2/\text{NDF}: 369.6/16$

Left: 1.143 ± 0.118 $\chi^2/\text{NDF}: 808.2/35$

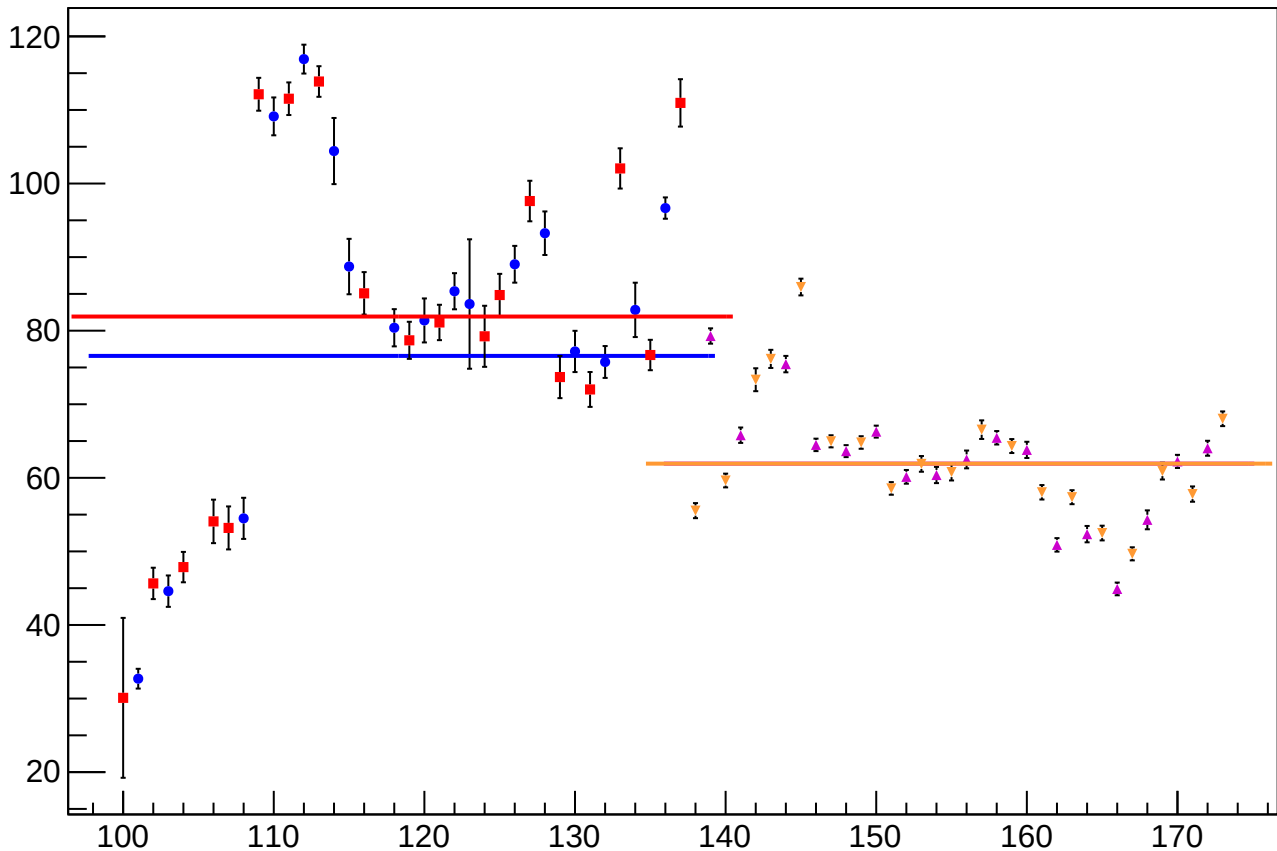
Right: 3.053 ± 0.225 $\chi^2/\text{NDF}: 572.5/35$

In: 1.464 ± 0.150 $\chi^2/\text{NDF}: 677.8/33$

Out: 1.642 ± 0.146 $\chi^2/\text{NDF}: 758.4/37$

All: 1.555 ± 0.105 $\chi^2/\text{NDF}: 1437.0/71$

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: 61.928 $\pm$ 0.232 χ^2 /NDF:1109.1/18

Right Out: 81.923 $\pm$ 0.592 χ^2 /NDF: 1570.6/18

Left In: 61.930 $\pm$ 0.236 χ^2 /NDF:1150.9/16

Left: 61.929 $\pm$ 0.166 χ^2 /NDF: 2260.0/35

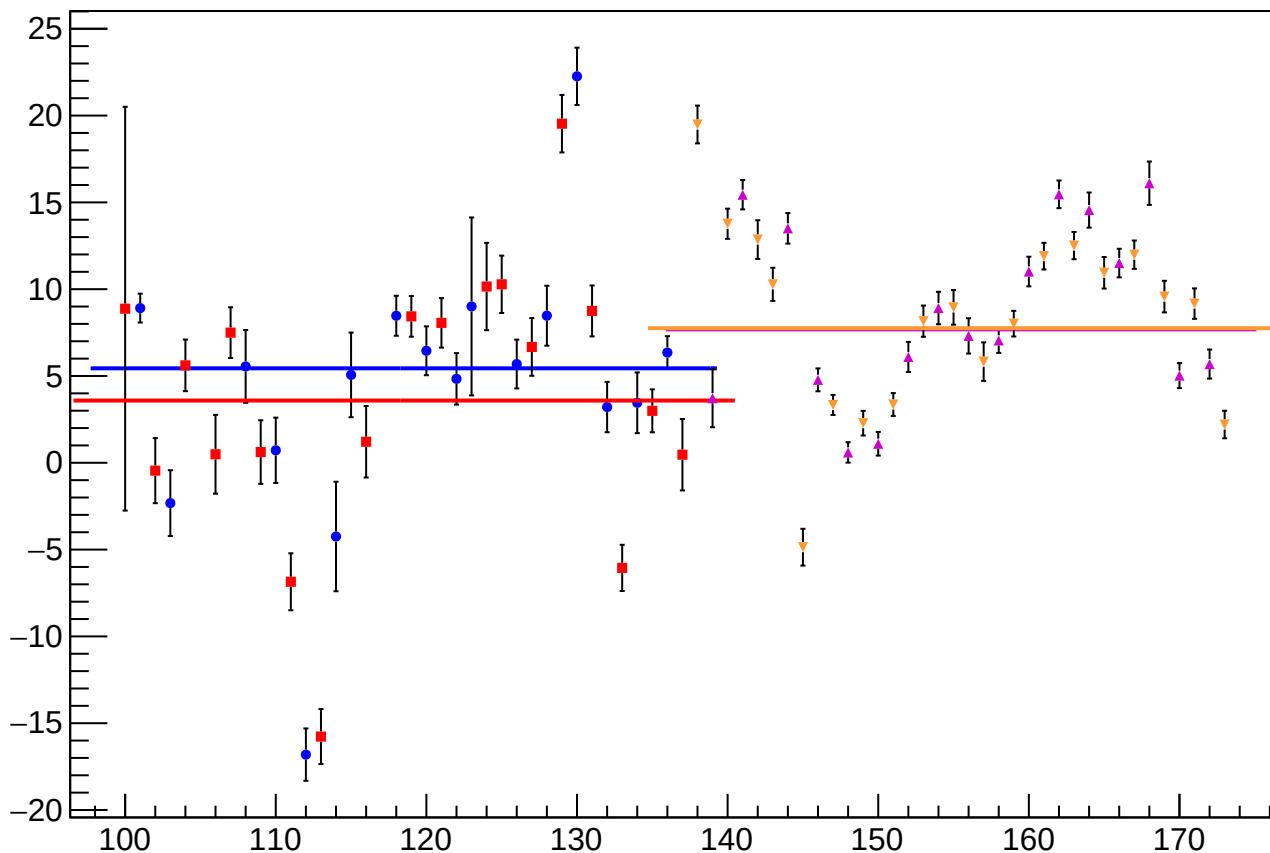
Right: 79.162 $\pm$ 0.412 χ^2 /NDF: 3866.3/35

In: 64.058 $\pm$ 0.219 χ^2 /NDF:3962.0/33

Out: 64.588 $\pm$ 0.216 χ^2 /NDF:3669.0/37

All: 64.326 $\pm$ 0.154 χ^2 /NDF: 7634.0/71

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.442 ± 0.357 χ^2/NDF : 387.5/16

Left Out: 7.751 ± 0.191 χ^2/NDF : 662.8/18

Right Out: 3.585 ± 0.375 χ^2/NDF : 423.2/18

Left In: 7.685 ± 0.199 χ^2/NDF : 639.9/16

Left: 7.719 ± 0.138 χ^2/NDF : 1302.8/35

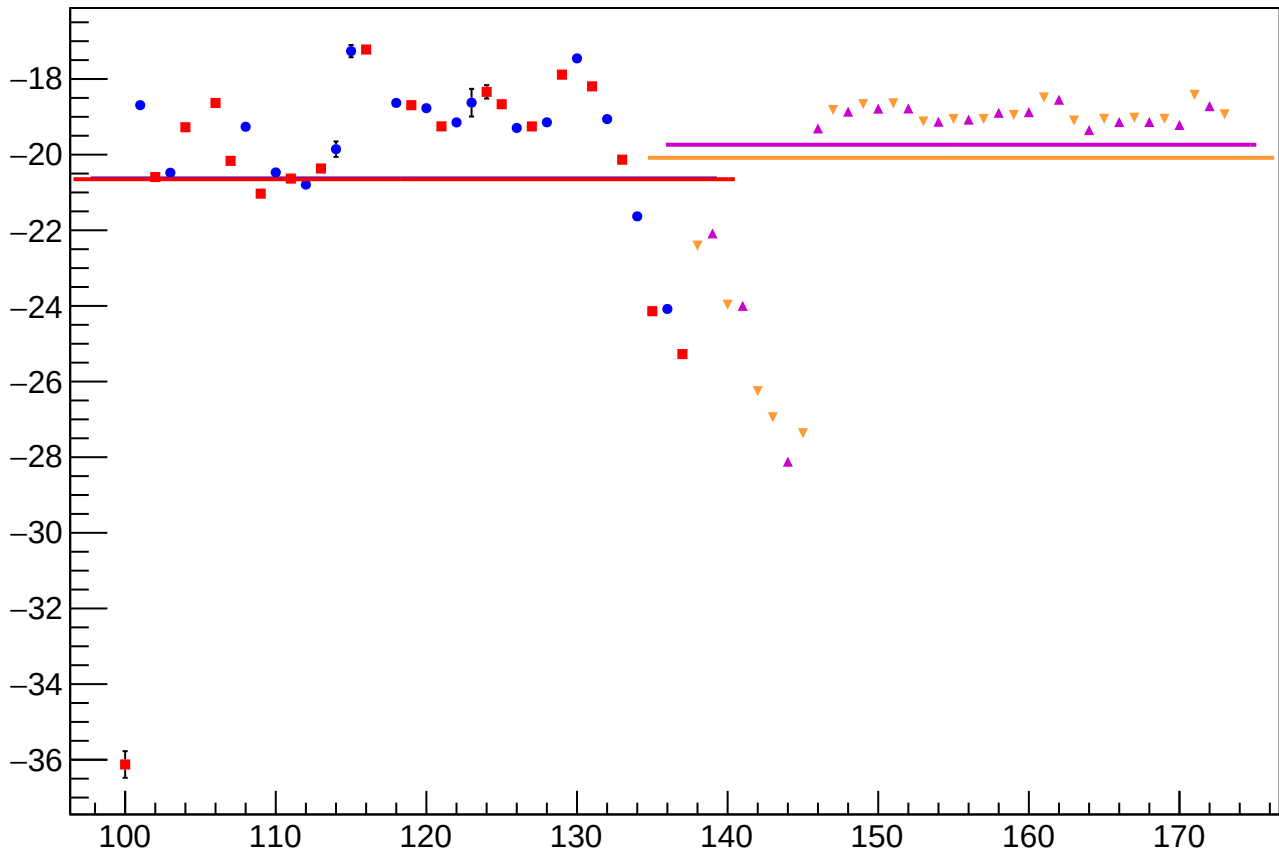
Right: 4.559 ± 0.259 χ^2/NDF : 823.5/35

In: 7.152 ± 0.174 χ^2/NDF : 1057.4/33

Out: 6.891 ± 0.171 χ^2/NDF : 1183.9/37

All: 7.019 ± 0.122 χ^2/NDF : 2242.4/71

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.630 ± 0.019 $\chi^2/\text{NDF}: 12490.5/16$

Left Out: -20.084 ± 0.009 $\chi^2/\text{NDF}: 82282.8/18$

Right Out: -20.650 ± 0.019 $\chi^2/\text{NDF}: 13885.7/18$

Left In: -19.738 ± 0.009 $\chi^2/\text{NDF}: 50111.7/16$

Left: -19.914 ± 0.007 $\chi^2/\text{NDF}: 133103.4/35$

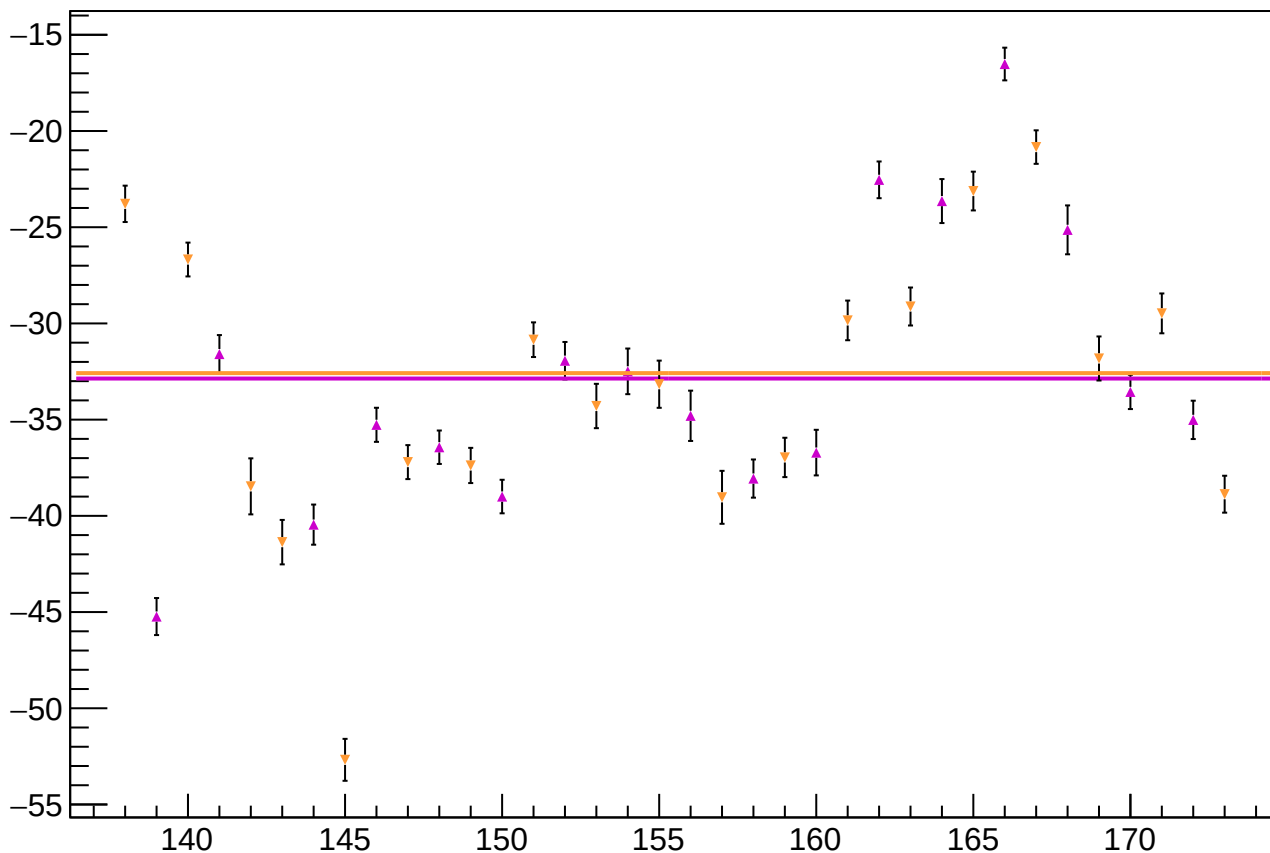
Right: -20.640 ± 0.014 $\chi^2/\text{NDF}: 26376.6/35$

In: -19.906 ± 0.008 $\chi^2/\text{NDF}: 64342.5/33$

Out: -20.186 ± 0.008 $\chi^2/\text{NDF}: 96863.0/37$

All: -20.048 ± 0.006 $\chi^2/\text{NDF}: 161773.7/71$

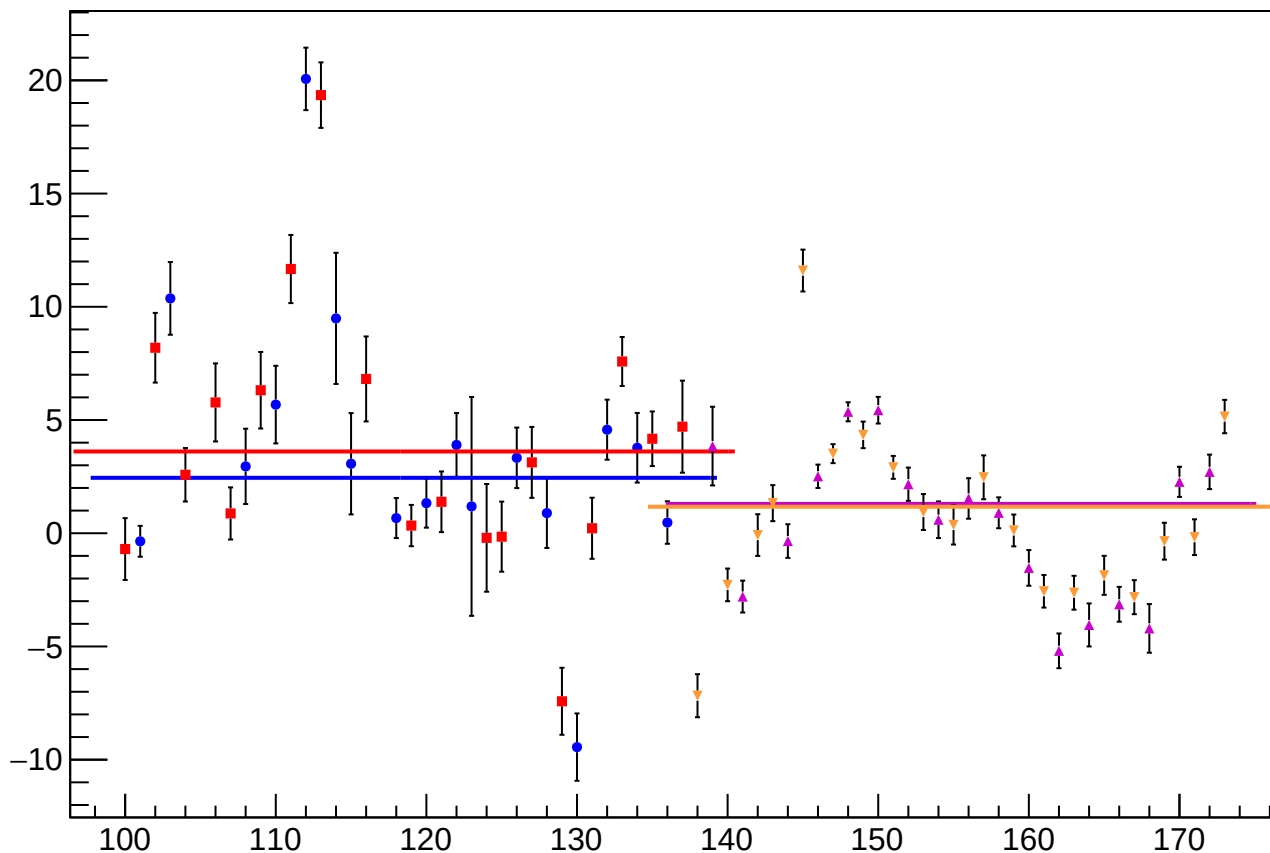
reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -32.583+/-0.235 χ^2/NDF :989.5/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -32.864+/-0.241 χ^2/NDF :929.5/16

Left: -32.720+/-0.168 χ^2/NDF : 1919.7/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -32.864+/-0.241 χ^2/NDF :929.5/16
 Out: -32.583+/-0.235 χ^2/NDF :989.5/18
 All: -32.720+/-0.168 χ^2/NDF : 1919.7/35

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: 1.171 $\pm$ 0.164 χ^2 /NDF:435.3/18

Right Out: 3.611 $\pm$ 0.318 χ^2 /NDF: 279.4/18

Left In: 1.294 $\pm$ 0.171 χ^2 /NDF:372.6/16

Left: 1.230 $\pm$ 0.118 χ^2 /NDF: 808.2/35

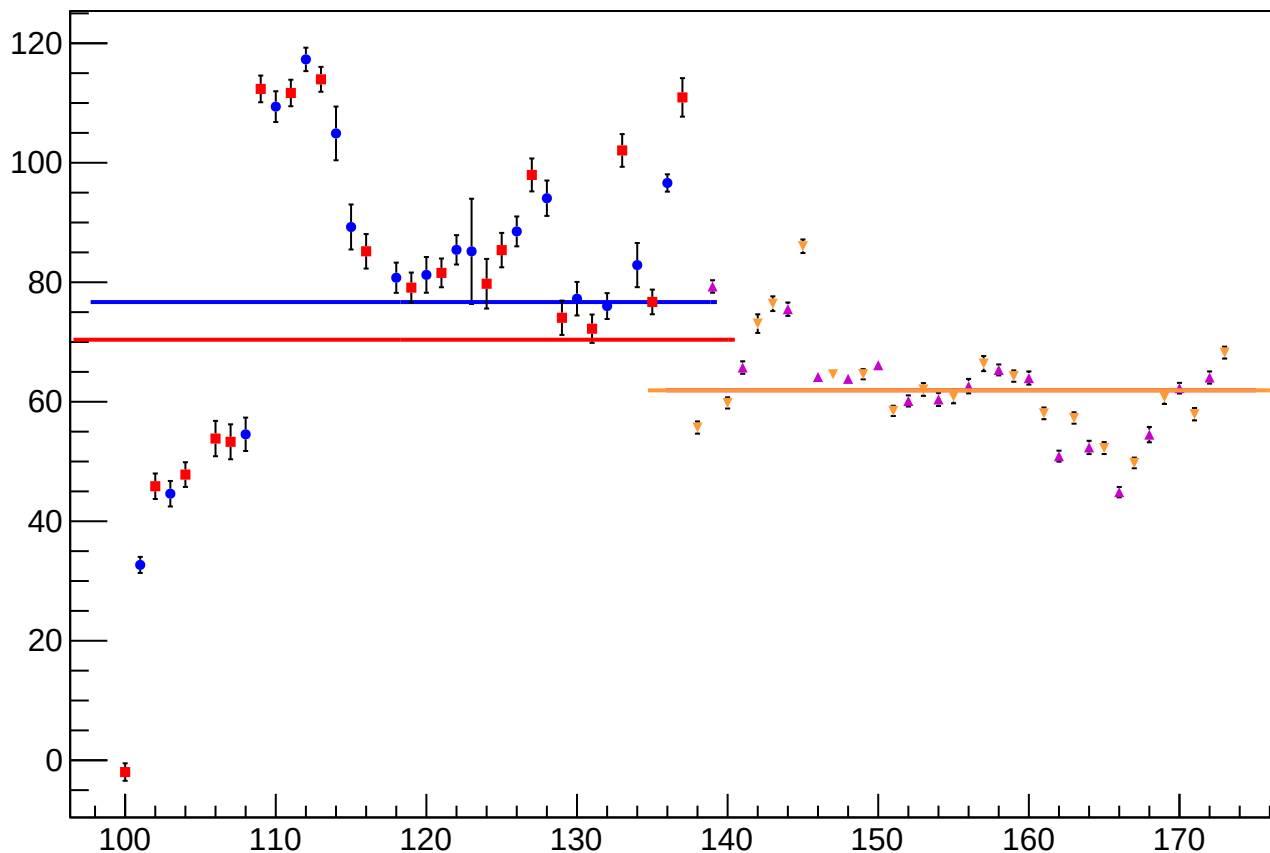
Right: 3.017 $\pm$ 0.223 χ^2 /NDF: 579.6/35

In: 1.562 $\pm$ 0.150 χ^2 /NDF:676.6/33

Out: 1.682 $\pm$ 0.146 χ^2 /NDF:761.2/37

All: 1.624 $\pm$ 0.104 χ^2 /NDF: 1438.1/71

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: 61.911 $\pm$ 0.232 χ^2 /NDF:1110.3/18

Right Out: 70.386 $\pm$ 0.550 χ^2 /NDF: 4391.1/18

Left In: 61.924 $\pm$ 0.237 χ^2 /NDF:1146.0/16

Left: 61.917 $\pm$ 0.166 χ^2 /NDF: 2256.3/35

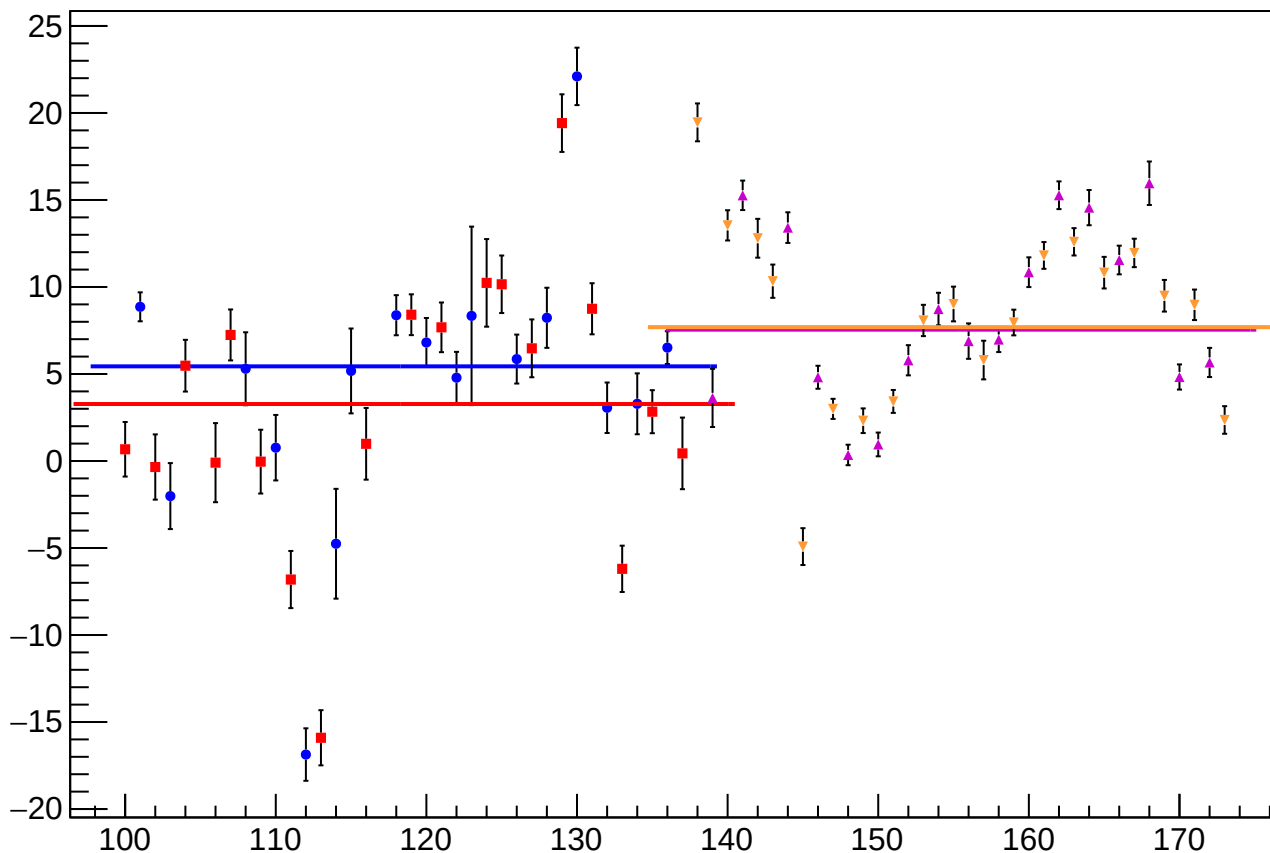
Right: 73.402 $\pm$ 0.397 χ^2 /NDF: 6719.1/35

In: 64.070 $\pm$ 0.219 χ^2 /NDF:3977.2/33

Out: 63.192 $\pm$ 0.214 χ^2 /NDF:5703.1/37

All: 63.621 $\pm$ 0.153 χ^2 /NDF: 9688.5/71

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: 7.692 $\pm$ 0.192 χ^2 /NDF:661.5/18

Right Out: 3.275 $\pm$ 0.365 χ^2 /NDF: 425.8/18

Left In: 7.547 $\pm$ 0.200 χ^2 /NDF:644.6/16

Left: 7.623 $\pm$ 0.138 χ^2 /NDF: 1306.3/35

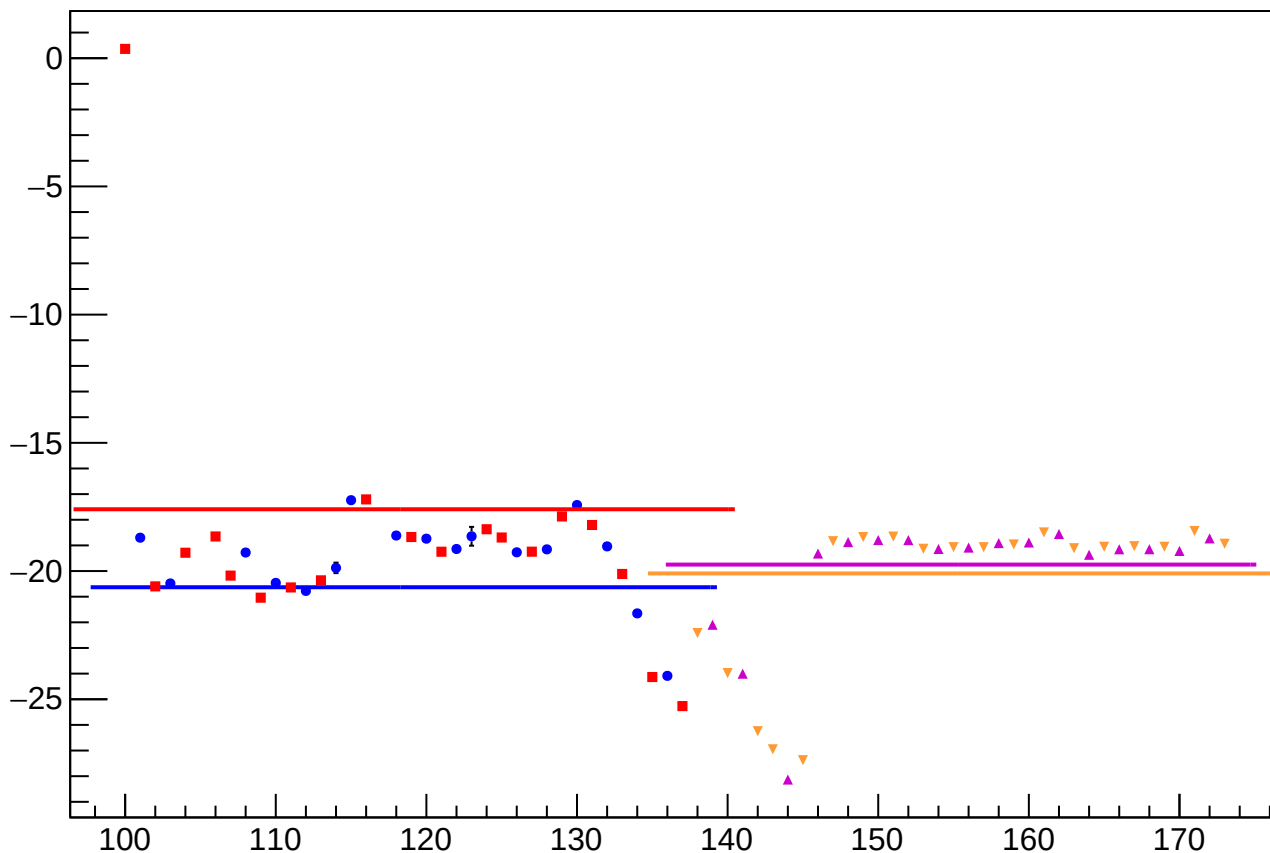
Right: 4.381 $\pm$ 0.256 χ^2 /NDF: 829.6/35

In: 7.046 $\pm$ 0.174 χ^2 /NDF:1057.0/33

Out: 6.740 $\pm$ 0.170 χ^2 /NDF:1201.9/37

All: 6.889 $\pm$ 0.122 χ^2 /NDF: 2260.5/71

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected

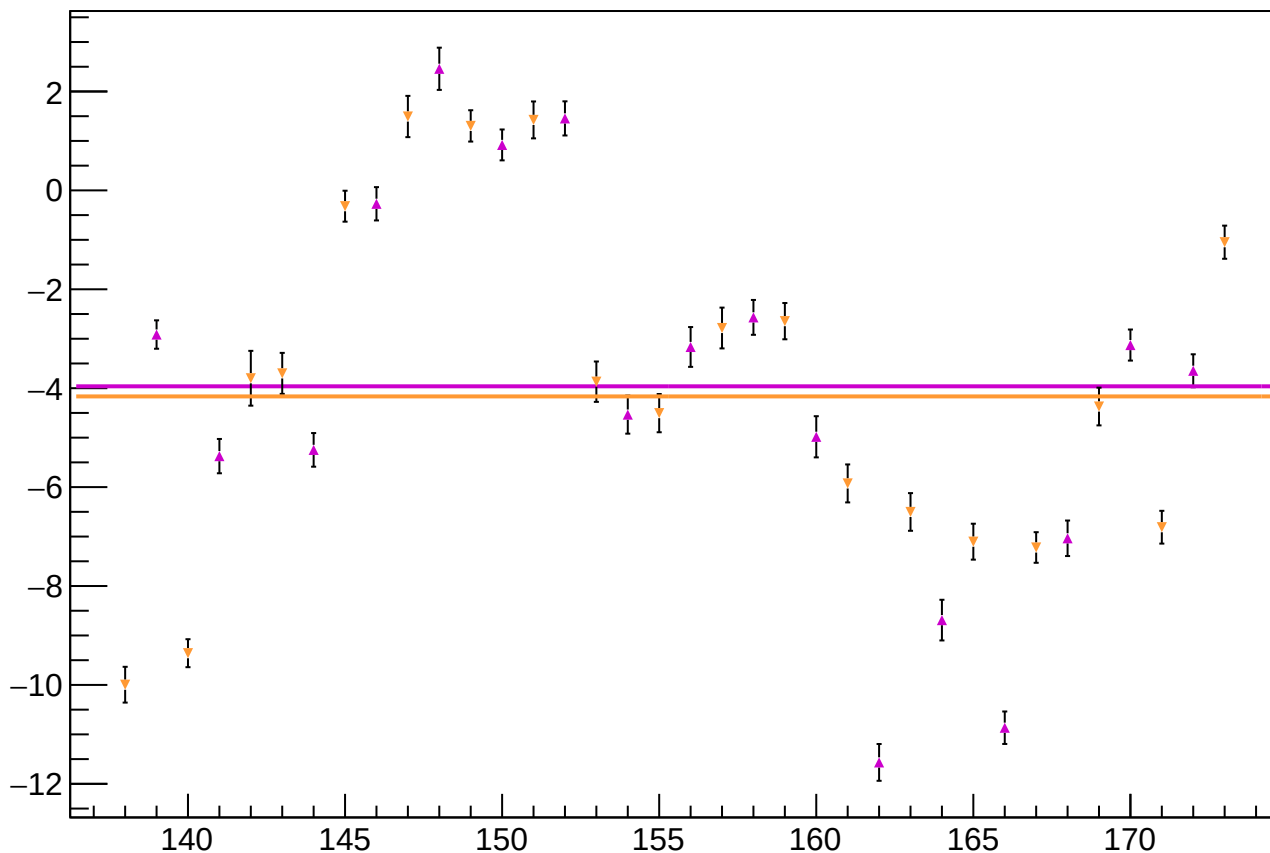


Right In: -20.632+/-0.019 χ^2/NDF : 12530.8/16
 Left Out: -20.093+/-0.009 χ^2/NDF : 82133.3/18
 Right Out: -17.591+/-0.018 χ^2/NDF : 178680.7/18
 Left In: -19.748+/-0.009 χ^2/NDF : 50047.5/16

Left: -19.924+/-0.007 χ^2/NDF : 132883.8/35
 Right: -19.007+/-0.013 χ^2/NDF : 204486.4/35
 In: -19.915+/-0.008 χ^2/NDF : 64280.3/33
 Out: -19.584+/-0.008 χ^2/NDF : 276182.7/37

All: -19.744+/-0.006 χ^2/NDF : 341267.8/71

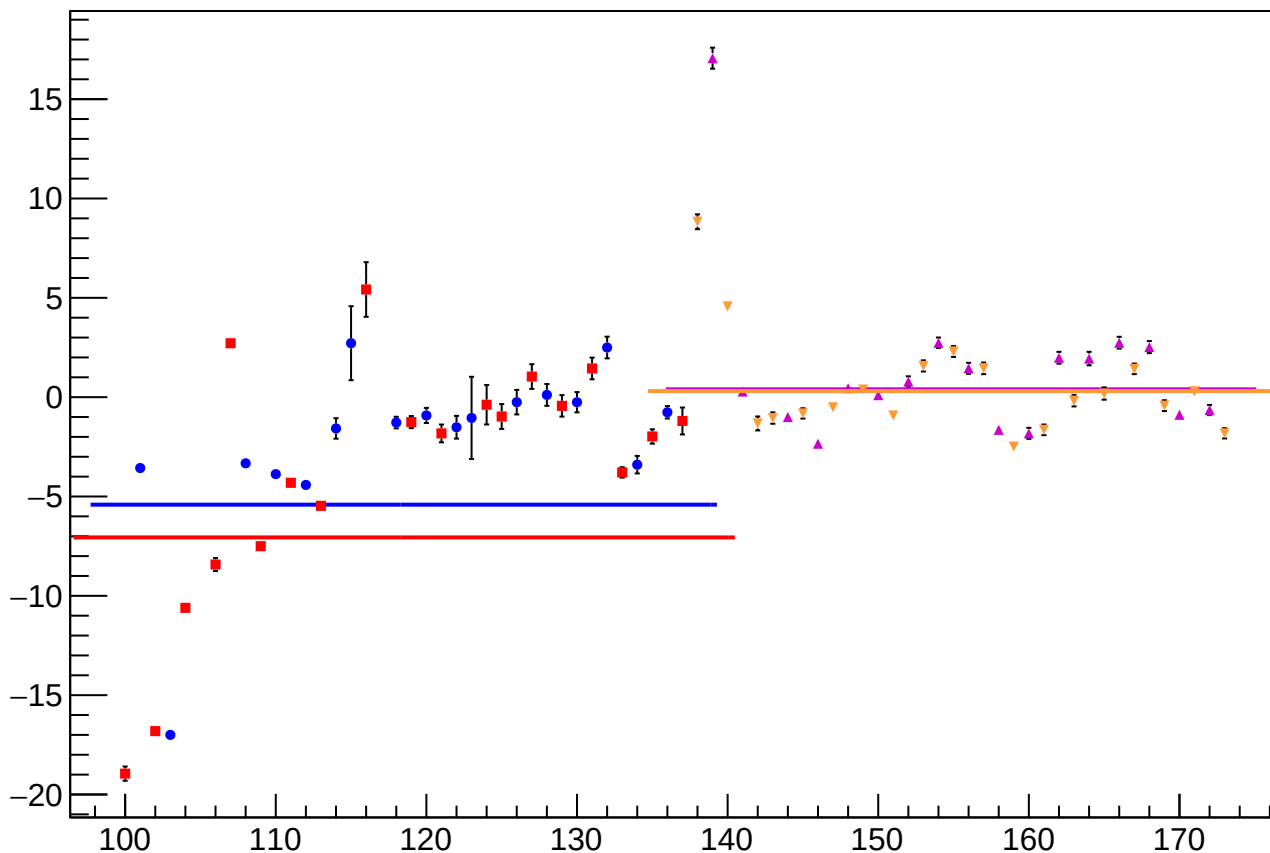
reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -4.166 $\pm$ 0.083 χ^2/NDF :1857.6/18
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -3.962 $\pm$ 0.085 χ^2/NDF :1981.9/16

Left: -4.066 $\pm$ 0.059 χ^2/NDF : 3842.4/35
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: -3.962 $\pm$ 0.085 χ^2/NDF :1981.9/16
 Out: -4.166 $\pm$ 0.083 χ^2/NDF :1857.6/18
 All: -4.066 $\pm$ 0.059 χ^2/NDF : 3842.4/35

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: 0.306 ± 0.060 χ^2/NDF : 1316.6/18

Right Out: -7.060 ± 0.059 χ^2/NDF : 12329.4/18

Left In: 0.397 ± 0.063 χ^2/NDF : 1628.9/16

Left: 0.349 ± 0.044 χ^2/NDF : 2946.5/35

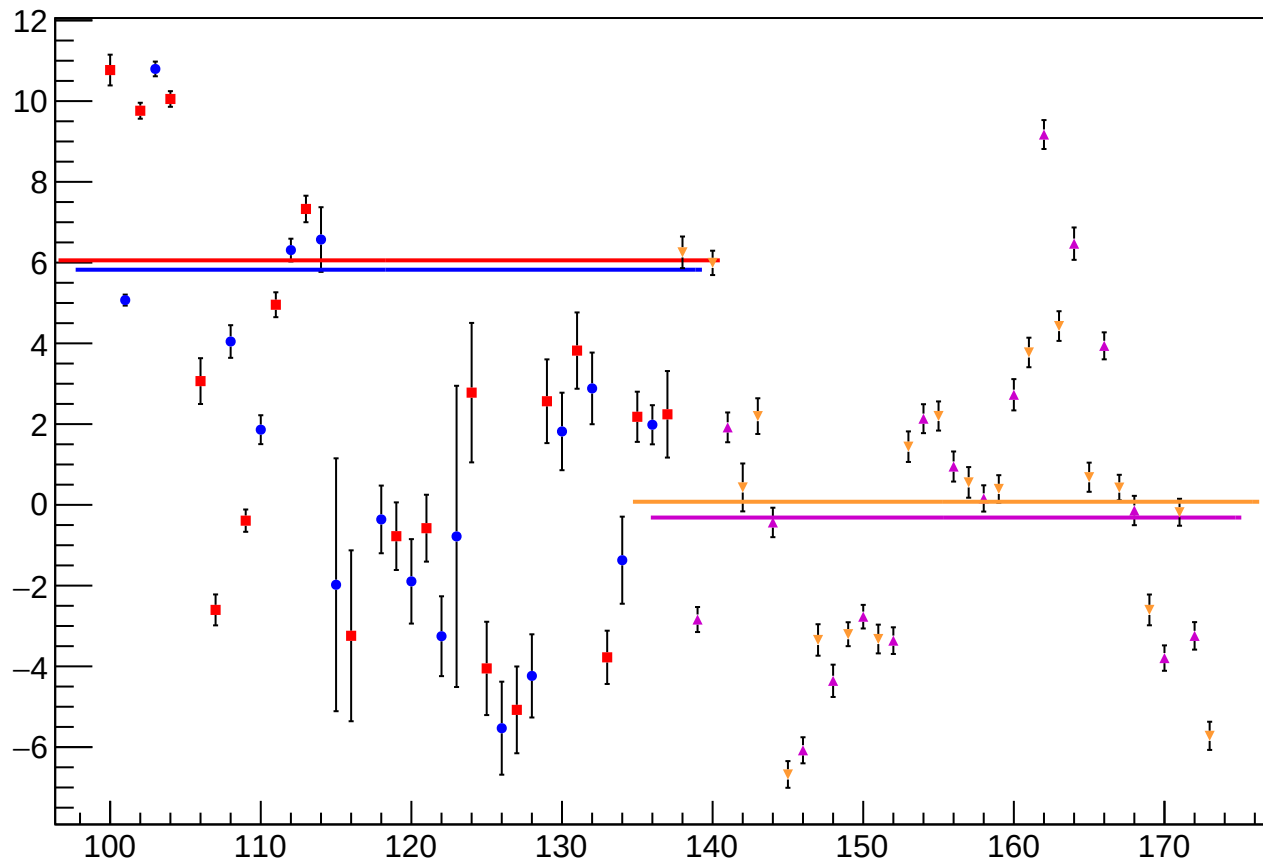
Right: -6.173 ± 0.040 χ^2/NDF : 22010.3/35

In: -2.919 ± 0.041 χ^2/NDF : 15720.3/33

Out: -3.442 ± 0.042 χ^2/NDF : 21291.7/37

All: -3.176 ± 0.030 χ^2/NDF : 37090.5/71

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.824 ± 0.090 $\chi^2/\text{NDF}: 1452.6/16$

Left Out: 0.077 ± 0.082 $\chi^2/\text{NDF}: 1987.2/18$

Right Out: 6.056 ± 0.093 $\chi^2/\text{NDF}: 2668.9/18$

Left In: -0.314 ± 0.084 $\chi^2/\text{NDF}: 2148.2/16$

Left: -0.115 ± 0.059 $\chi^2/\text{NDF}: 4146.5/35$

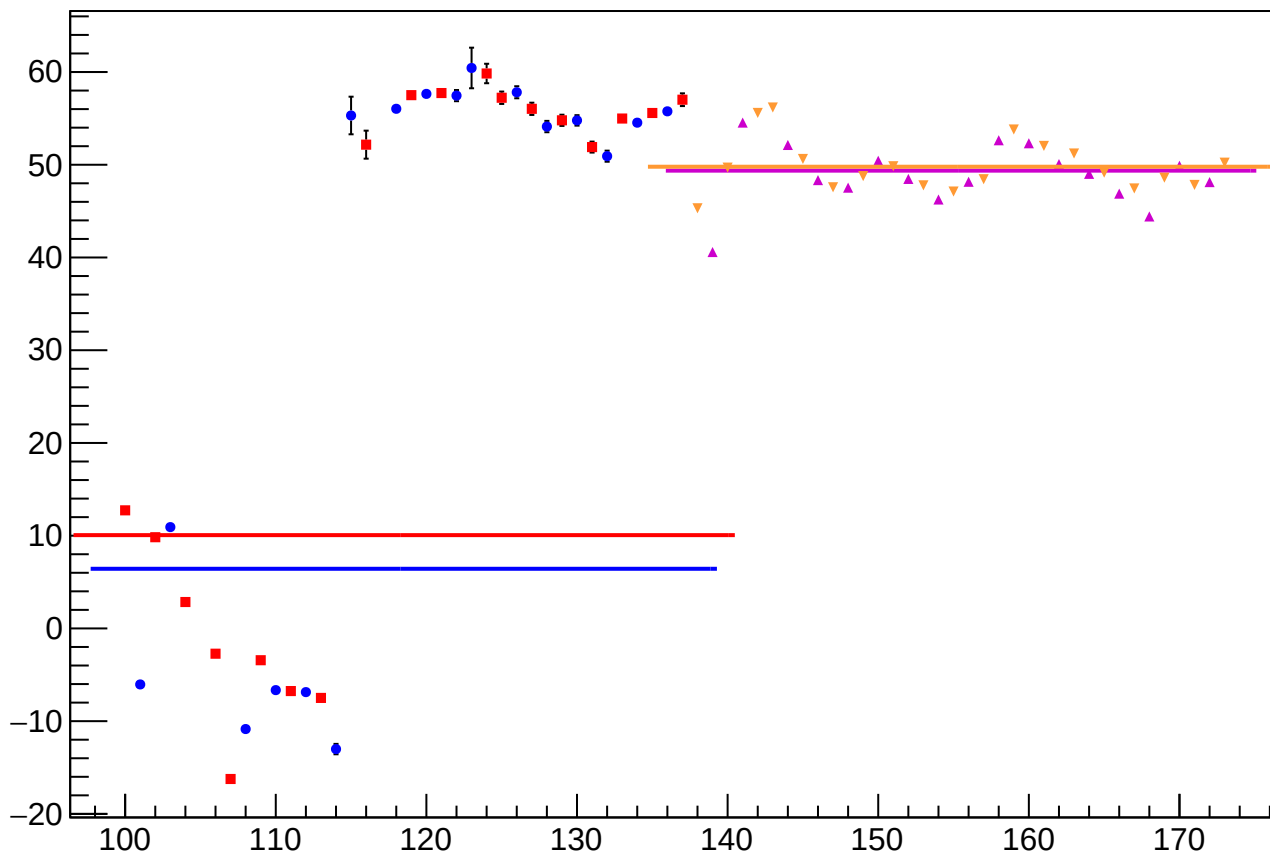
Right: 5.935 ± 0.065 $\chi^2/\text{NDF}: 4124.7/35$

In: 2.551 ± 0.061 $\chi^2/\text{NDF}: 6104.2/33$

Out: 2.696 ± 0.062 $\chi^2/\text{NDF}: 6962.9/37$

All: 2.623 ± 0.043 $\chi^2/\text{NDF}: 13069.8/71$

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.432 ± 0.065 $\chi^2/\text{NDF}: 123486.3/16$

Left Out: 49.787 ± 0.069 $\chi^2/\text{NDF}: 1308.4/18$

Right Out: 10.060 ± 0.070 $\chi^2/\text{NDF}: 121816.0/18$

Left In: 49.365 ± 0.072 $\chi^2/\text{NDF}: 1436.9/16$

Left: 49.585 ± 0.050 $\chi^2/\text{NDF}: 2763.1/35$

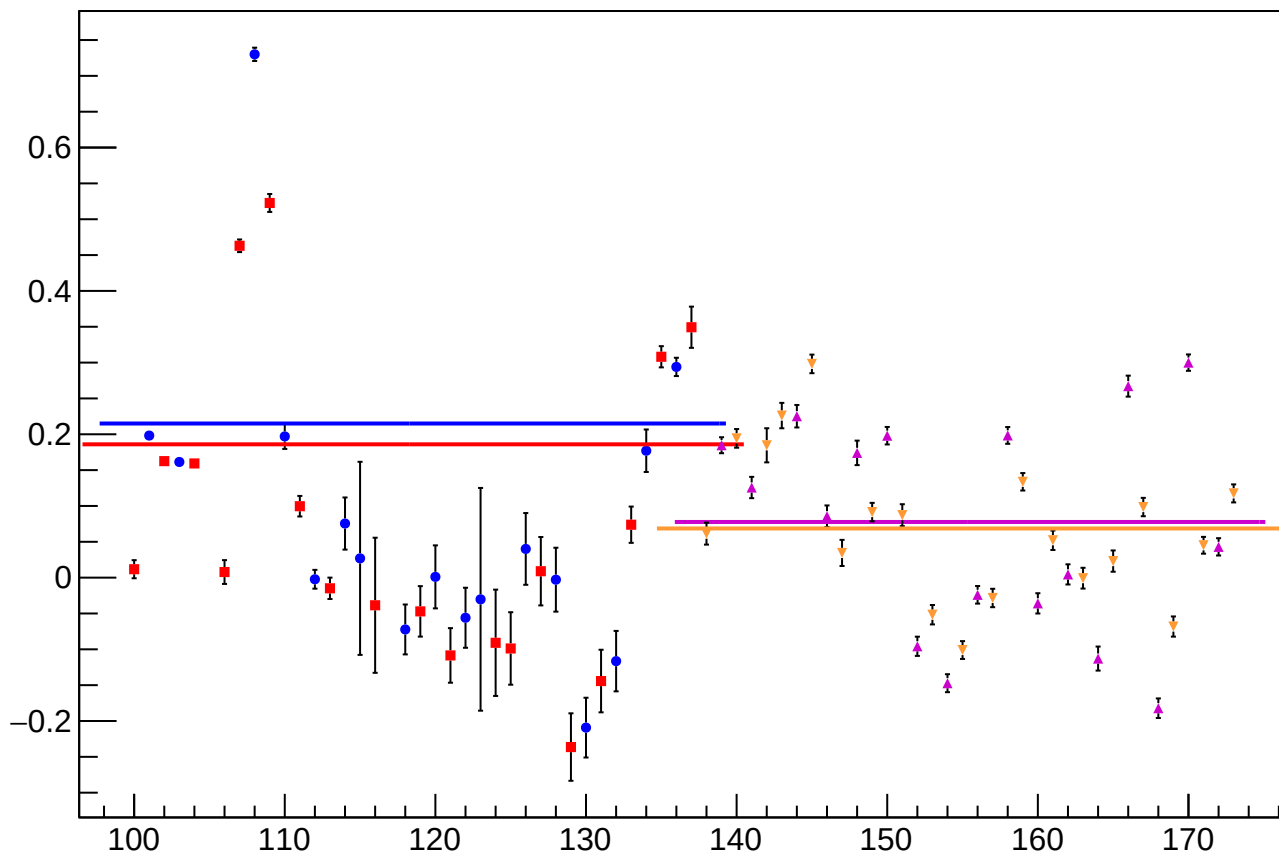
Right: 8.110 ± 0.047 $\chi^2/\text{NDF}: 246756.9/35$

In: 25.532 ± 0.048 $\chi^2/\text{NDF}: 320820.4/33$

Out: 30.087 ± 0.049 $\chi^2/\text{NDF}: 286700.1/37$

All: 27.767 ± 0.034 $\chi^2/\text{NDF}: 611900.6/71$

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215 ± 0.003 $\chi^2/\text{NDF}: 3930.1/16$

Left Out: 0.069 ± 0.003 $\chi^2/\text{NDF}: 1022.1/18$

Right Out: 0.186 ± 0.003 $\chi^2/\text{NDF}: 2720.3/18$

Left In: 0.078 ± 0.003 $\chi^2/\text{NDF}: 2121.0/16$

Left: 0.073 ± 0.002 $\chi^2/\text{NDF}: 3147.1/35$

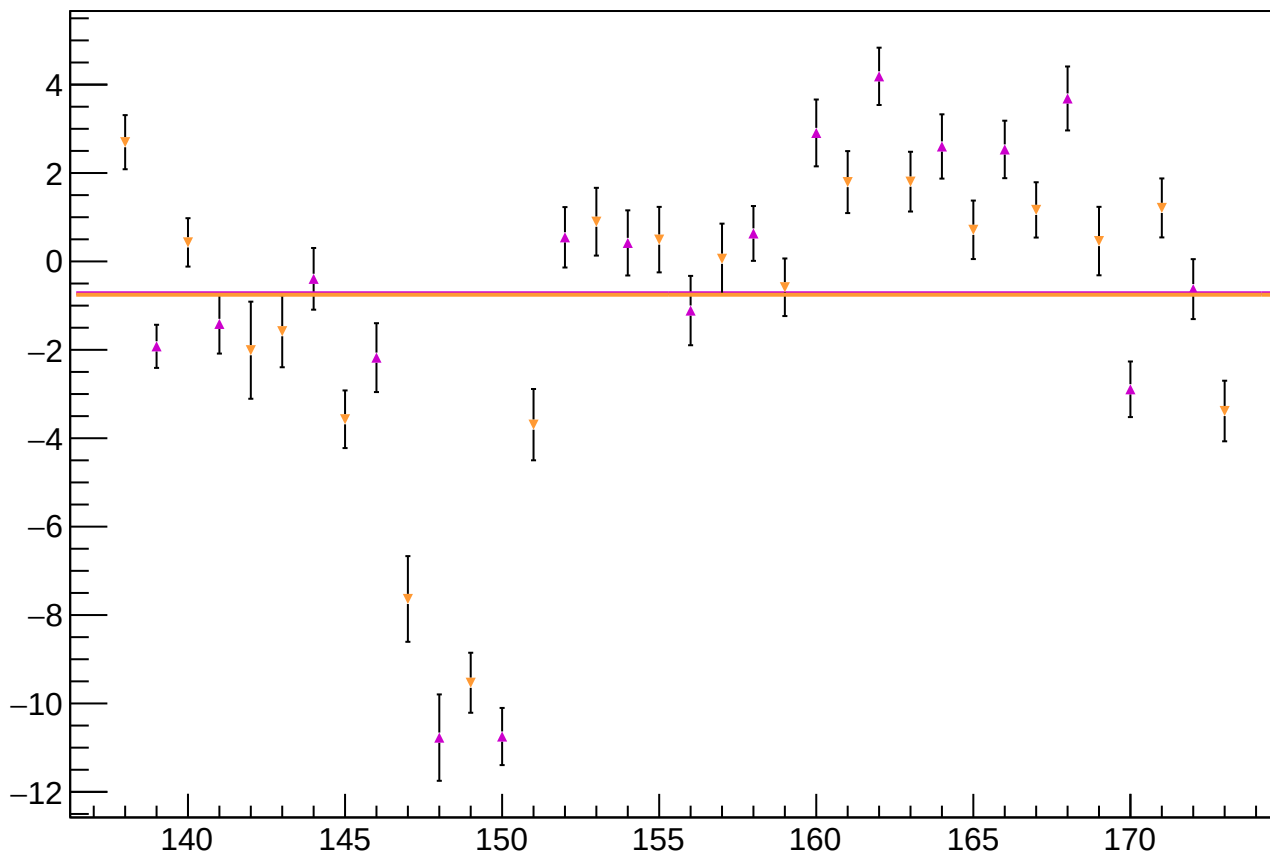
Right: 0.200 ± 0.002 $\chi^2/\text{NDF}: 6707.1/35$

In: 0.157 ± 0.002 $\chi^2/\text{NDF}: 7089.6/33$

Out: 0.137 ± 0.002 $\chi^2/\text{NDF}: 4536.4/37$

All: 0.147 ± 0.001 $\chi^2/\text{NDF}: 11672.0/71$

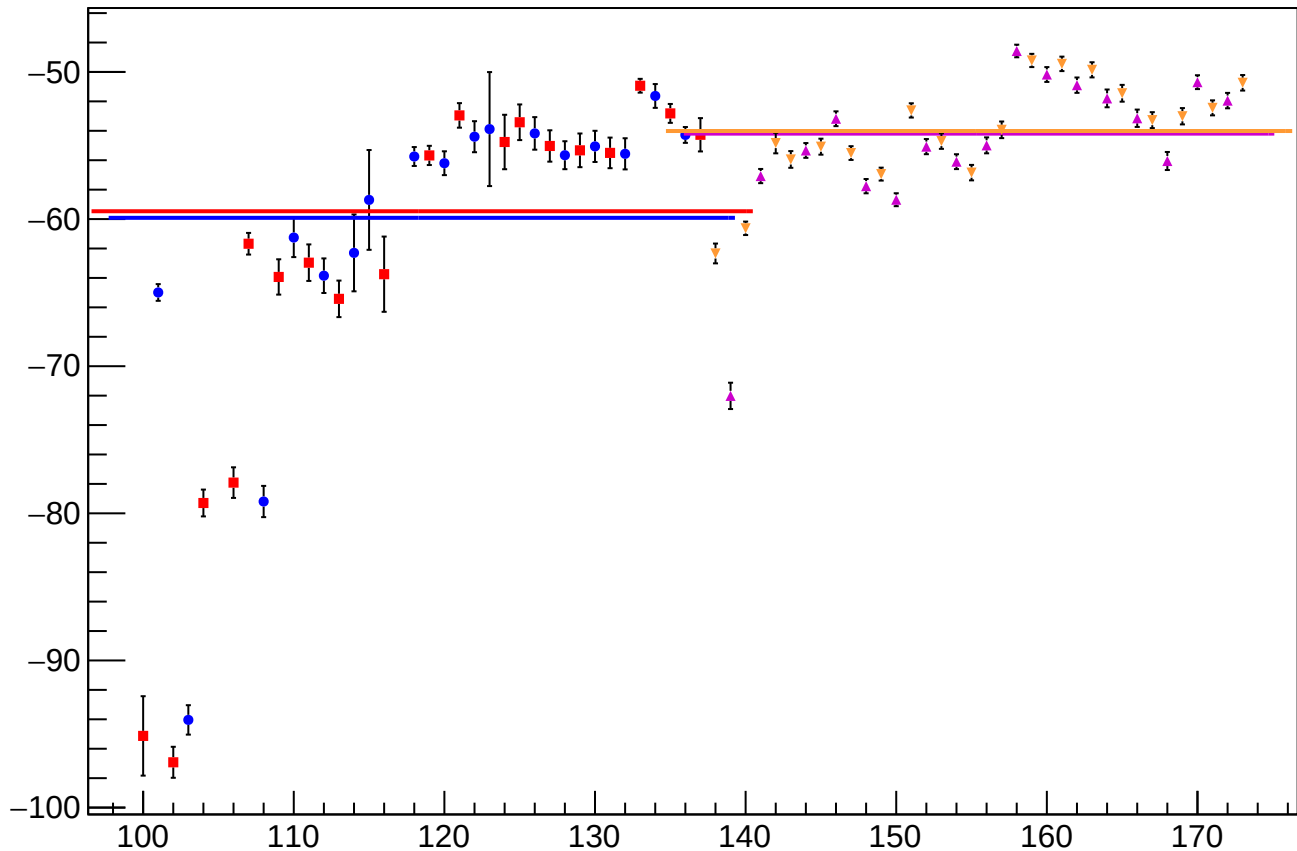
reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.753 $\pm$ 0.162 χ^2 /NDF:364.6/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.721 $\pm$ 0.165 χ^2 /NDF:543.3/16

Left: -0.737 $\pm$ 0.116 χ^2 /NDF: 908.0/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.721 $\pm$ 0.165 χ^2 /NDF:543.3/16
 Out: -0.753 $\pm$ 0.162 χ^2 /NDF:364.6/18
 All: -0.737 $\pm$ 0.116 χ^2 /NDF: 908.0/35

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -59.914 $\pm$ 0.223 χ^2/NDF : 1979.5/16

Left Out: -54.015 $\pm$ 0.120 χ^2/NDF : 810.5/18

Right Out: -59.468 $\pm$ 0.212 χ^2/NDF : 2912.7/18

Left In: -54.191 $\pm$ 0.126 χ^2/NDF : 995.4/16

Left: -54.099 $\pm$ 0.087 χ^2/NDF : 1806.9/35

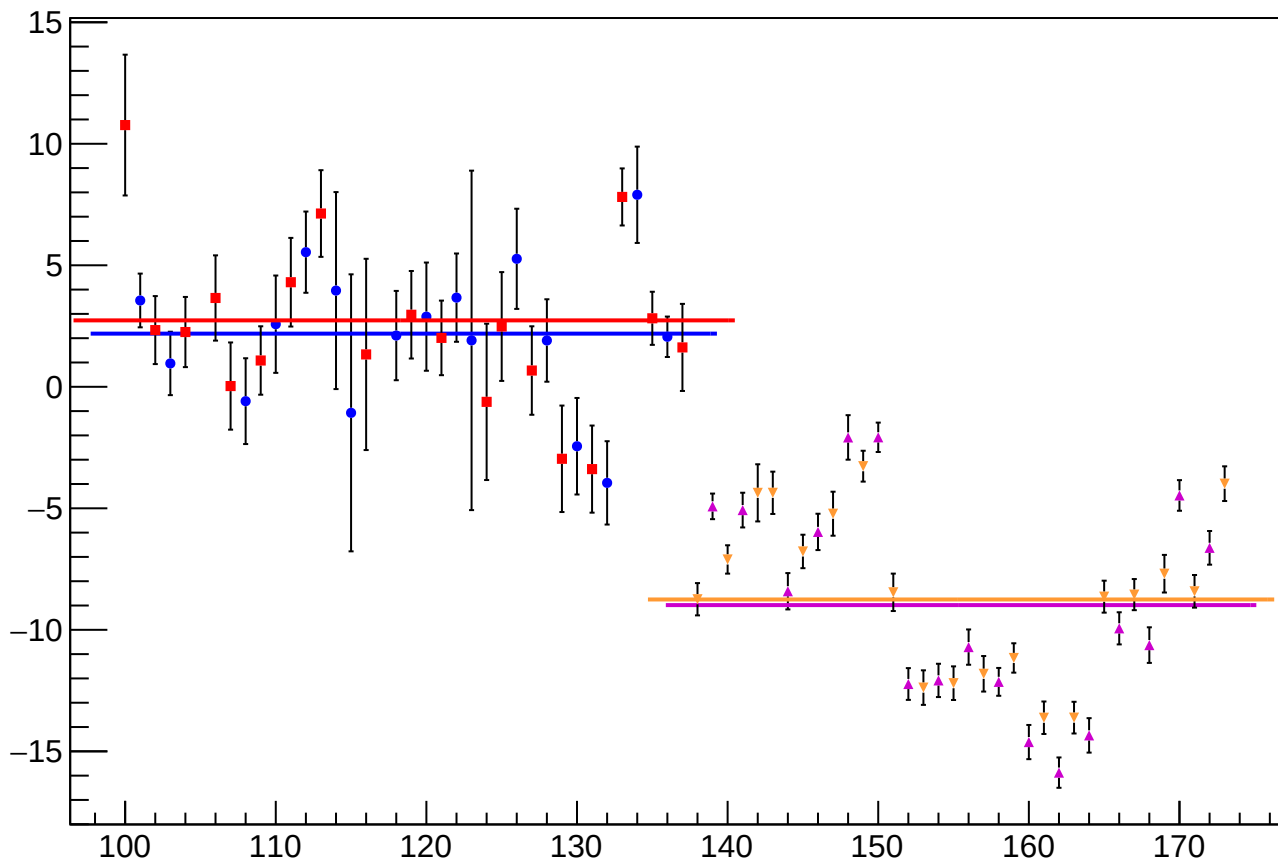
Right: -59.680 $\pm$ 0.154 χ^2/NDF : 4894.3/35

In: -55.570 $\pm$ 0.109 χ^2/NDF : 3474.9/33

Out: -55.332 $\pm$ 0.104 χ^2/NDF : 4224.6/37

All: -55.445 $\pm$ 0.075 χ^2/NDF : 7702.0/71

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.188 $\pm$ 0.404 χ^2 /NDF: 39.1/16

Left Out: -8.751 $\pm$ 0.161 χ^2 /NDF:385.1/18

Right Out: 2.733 $\pm$ 0.388 χ^2 /NDF: 58.9/18

Left In: -8.983 $\pm$ 0.163 χ^2 /NDF:687.9/16

Left: -8.866 $\pm$ 0.114 χ^2 /NDF: 1074.0/35

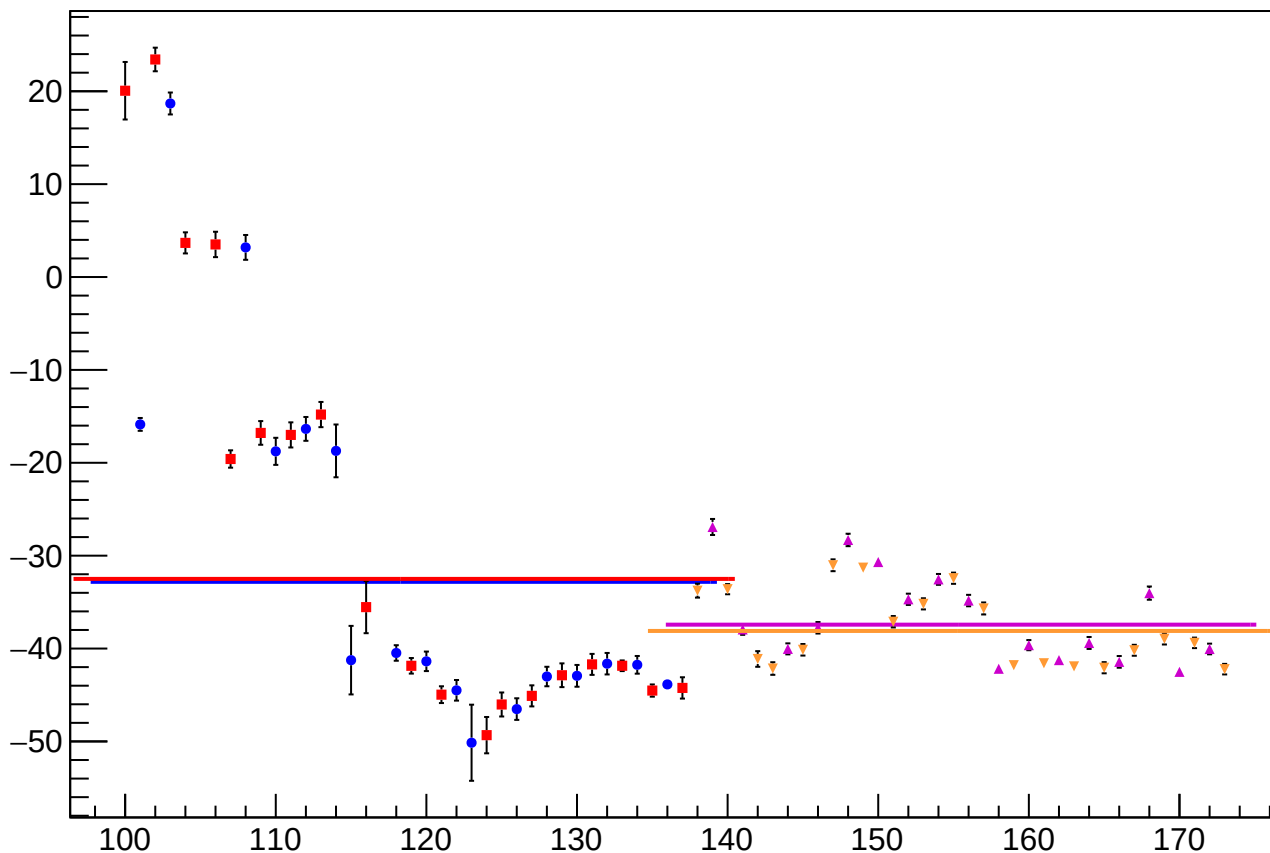
Right: 2.472 $\pm$ 0.280 χ^2 /NDF: 98.9/35

In: -7.426 $\pm$ 0.151 χ^2 /NDF:1384.6/33

Out: -7.063 $\pm$ 0.149 χ^2 /NDF:1192.7/37

All: -7.242 $\pm$ 0.106 χ^2 /NDF: 2580.2/71

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.817+/-0.254 χ^2/NDF : 4666.6/16

Left Out: -38.105+/-0.136 χ^2/NDF : 846.4/18

Right Out: -32.501+/-0.244 χ^2/NDF : 6037.9/18

Left In: -37.428+/-0.142 χ^2/NDF : 1005.9/16

Left: -37.780+/-0.098 χ^2/NDF : 1864.2/35

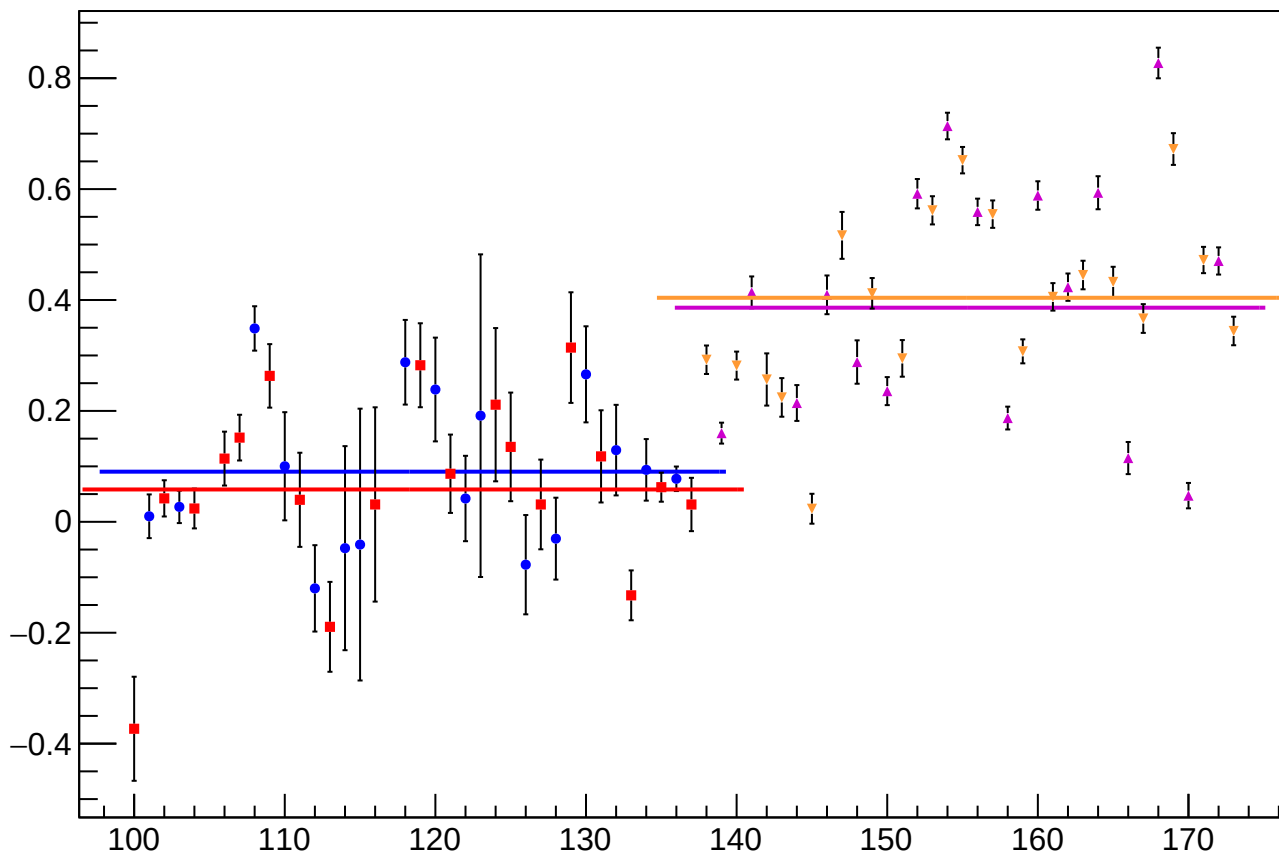
Right: -32.652+/-0.176 χ^2/NDF : 10705.2/35

In: -36.329+/-0.124 χ^2/NDF : 5923.6/33

Out: -36.771+/-0.119 χ^2/NDF : 7286.4/37

All: -36.559+/-0.086 χ^2/NDF : 13216.6/71

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: 0.404 $\pm$ 0.006 χ^2 /NDF:607.1/18

Right Out: 0.058 $\pm$ 0.012 χ^2 /NDF: 87.3/18

Left In: 0.386 $\pm$ 0.006 χ^2 /NDF:1294.0/16

Left: 0.395 $\pm$ 0.004 χ^2 /NDF: 1905.3/35

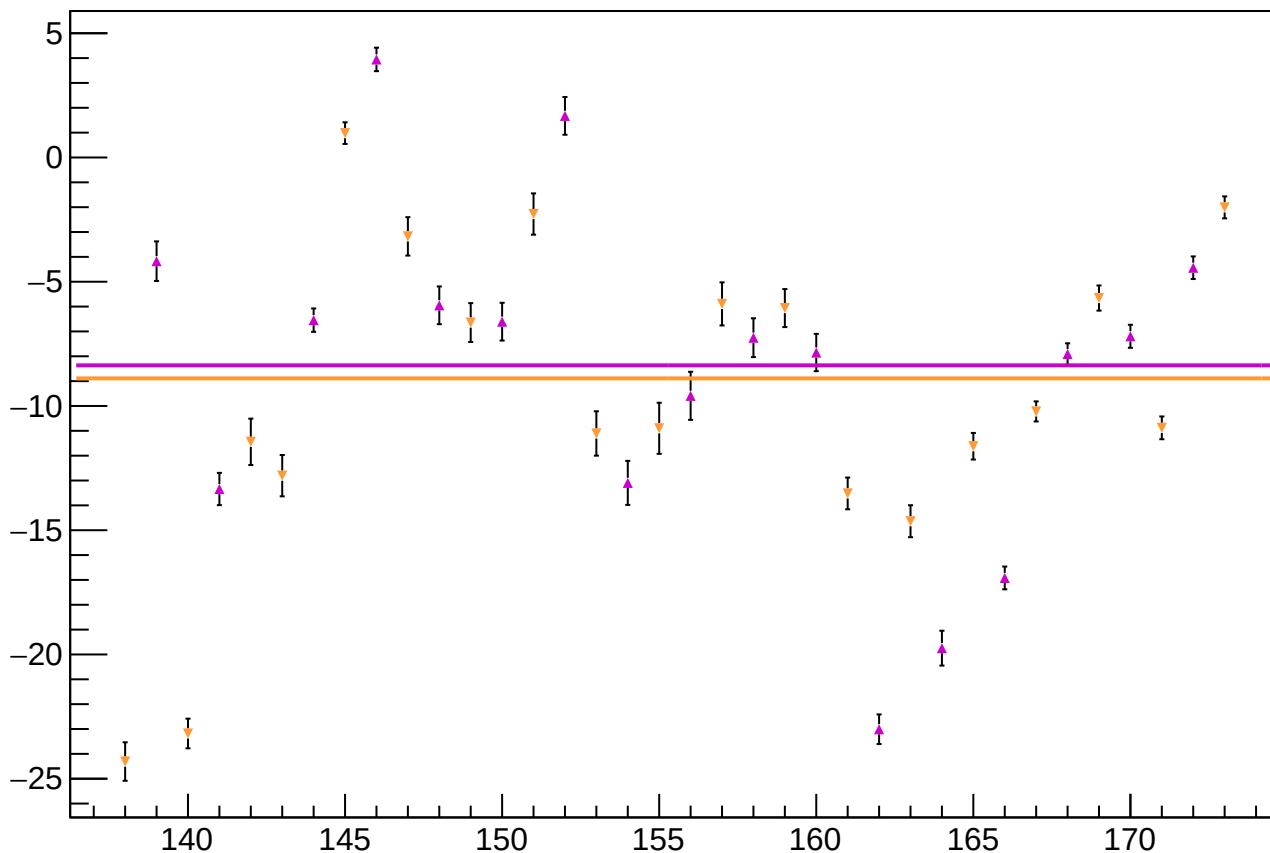
Right: 0.074 $\pm$ 0.009 χ^2 /NDF: 169.9/35

In: 0.329 $\pm$ 0.006 χ^2 /NDF:1808.8/33

Out: 0.333 $\pm$ 0.006 χ^2 /NDF:1337.5/37

All: 0.331 $\pm$ 0.004 χ^2 /NDF: 3146.6/71

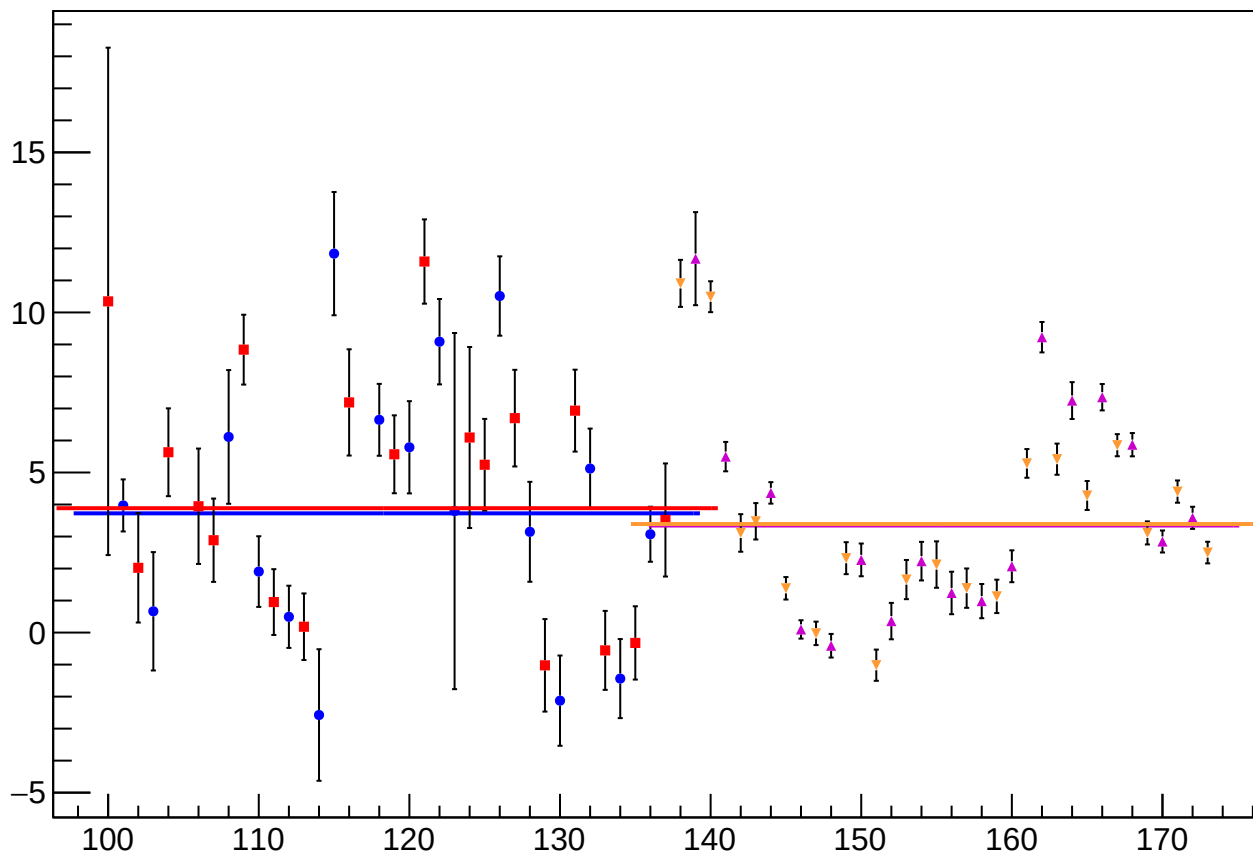
reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -8.890+/-0.141 χ^2/NDF :2145.2/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -8.366+/-0.144 χ^2/NDF :2300.1/16

Left: -8.634+/-0.100 χ^2/NDF : 4452.1/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -8.366+/-0.144 χ^2/NDF :2300.1/16
 Out: -8.890+/-0.141 χ^2/NDF :2145.2/18
 All: -8.634+/-0.100 χ^2/NDF : 4452.1/35

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.725 ± 0.308 χ^2/NDF : 136.8/16

Left Out: 3.391 ± 0.103 χ^2/NDF : 674.1/18

Right Out: 3.885 ± 0.316 χ^2/NDF : 134.4/18

Left In: 3.344 ± 0.105 χ^2/NDF : 711.9/16

Left: 3.368 ± 0.074 χ^2/NDF : 1386.1/35

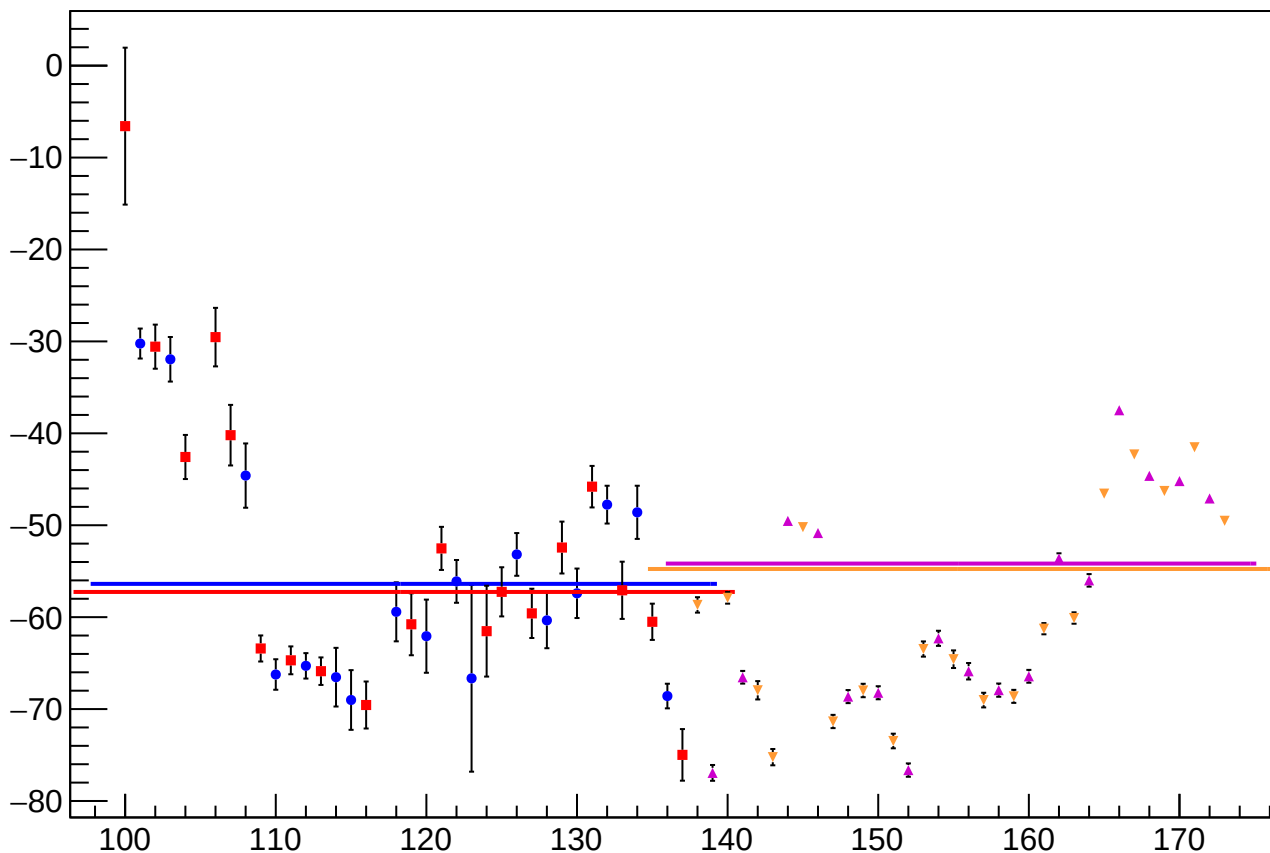
Right: 3.803 ± 0.221 χ^2/NDF : 271.3/35

In: 3.384 ± 0.099 χ^2/NDF : 850.1/33

Out: 3.438 ± 0.098 χ^2/NDF : 810.7/37

All: 3.411 ± 0.070 χ^2/NDF : 1660.9/71

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -56.379 $\pm$ 0.542 χ^2 /NDF: 587.4/16

Left Out: -54.759 $\pm$ 0.141 χ^2 /NDF: 5742.9/18

Right Out: -57.258 $\pm$ 0.536 χ^2 /NDF: 476.1/18

Left In: -54.170 $\pm$ 0.143 χ^2 /NDF: 6237.7/16

Left: -54.468 $\pm$ 0.100 χ^2 /NDF: 11989.3/35

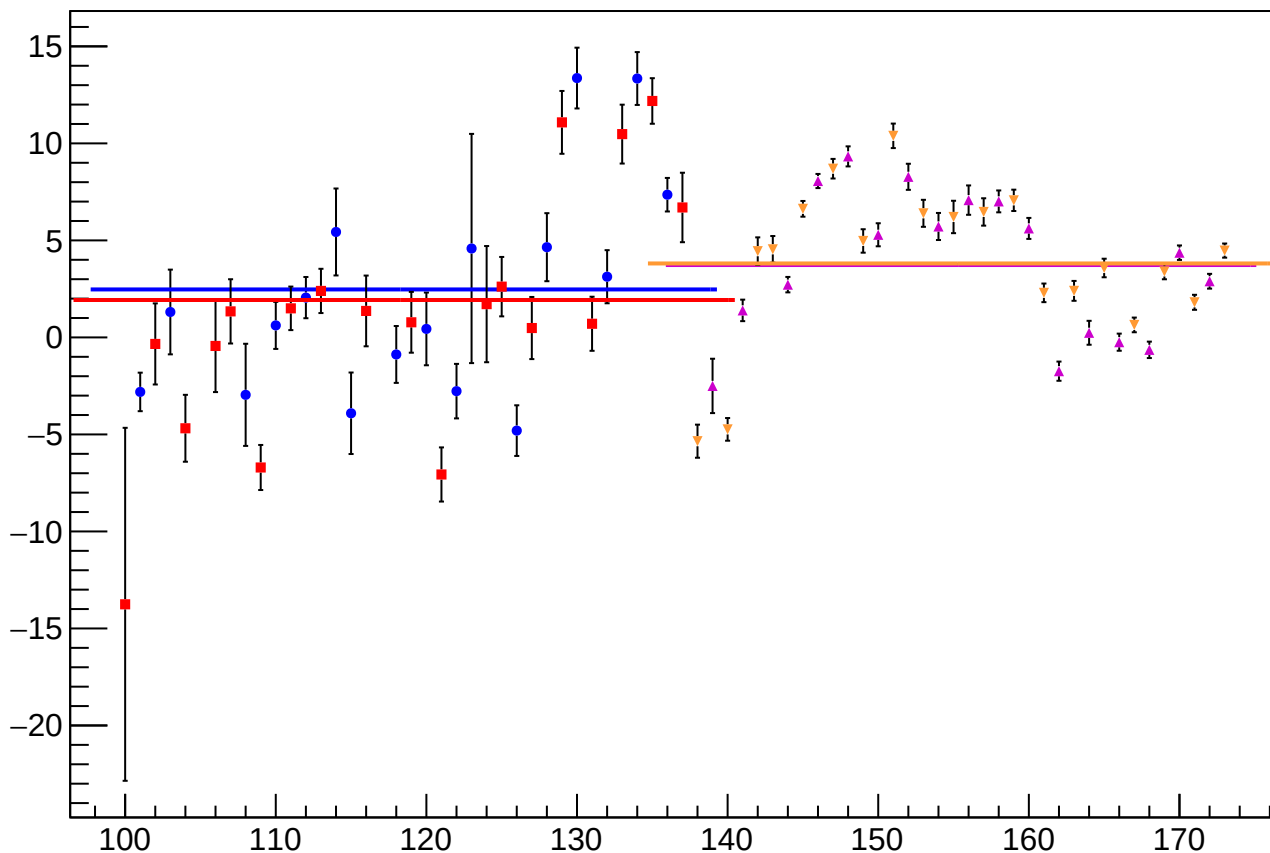
Right: -56.823 $\pm$ 0.381 χ^2 /NDF: 1064.8/35

In: -54.313 $\pm$ 0.138 χ^2 /NDF: 6840.6/33

Out: -54.921 $\pm$ 0.136 χ^2 /NDF: 6239.3/37

All: -54.621 $\pm$ 0.097 χ^2 /NDF: 13089.8/71

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: 3.811 ± 0.118 χ^2/NDF : 775.7/18

Right Out: 1.928 ± 0.355 χ^2/NDF : 266.6/18

Left In: 3.730 ± 0.121 χ^2/NDF : 778.8/16

Left: 3.772 ± 0.084 χ^2/NDF : 1554.8/35

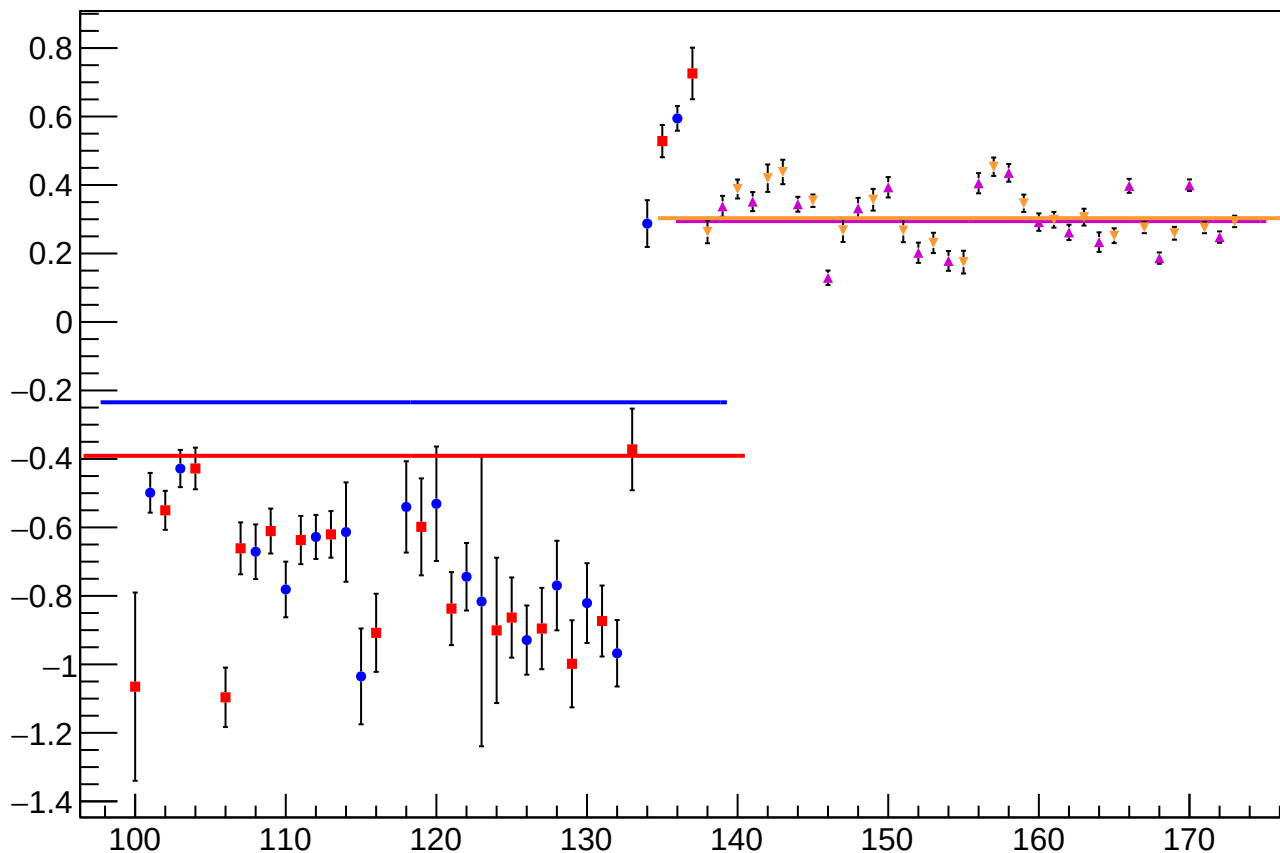
Right: 2.208 ± 0.248 χ^2/NDF : 511.4/35

In: 3.593 ± 0.114 χ^2/NDF : 1034.2/33

Out: 3.625 ± 0.112 χ^2/NDF : 1067.7/37

All: 3.609 ± 0.080 χ^2/NDF : 2102.0/71

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.235 ± 0.019 χ^2/NDF : 958.4/16

Left Out: 0.303 ± 0.005 χ^2/NDF : 118.6/18

Right Out: -0.391 ± 0.019 χ^2/NDF : 853.3/18

Left In: 0.295 ± 0.006 χ^2/NDF : 275.8/16

Left: 0.299 ± 0.004 χ^2/NDF : 395.7/35

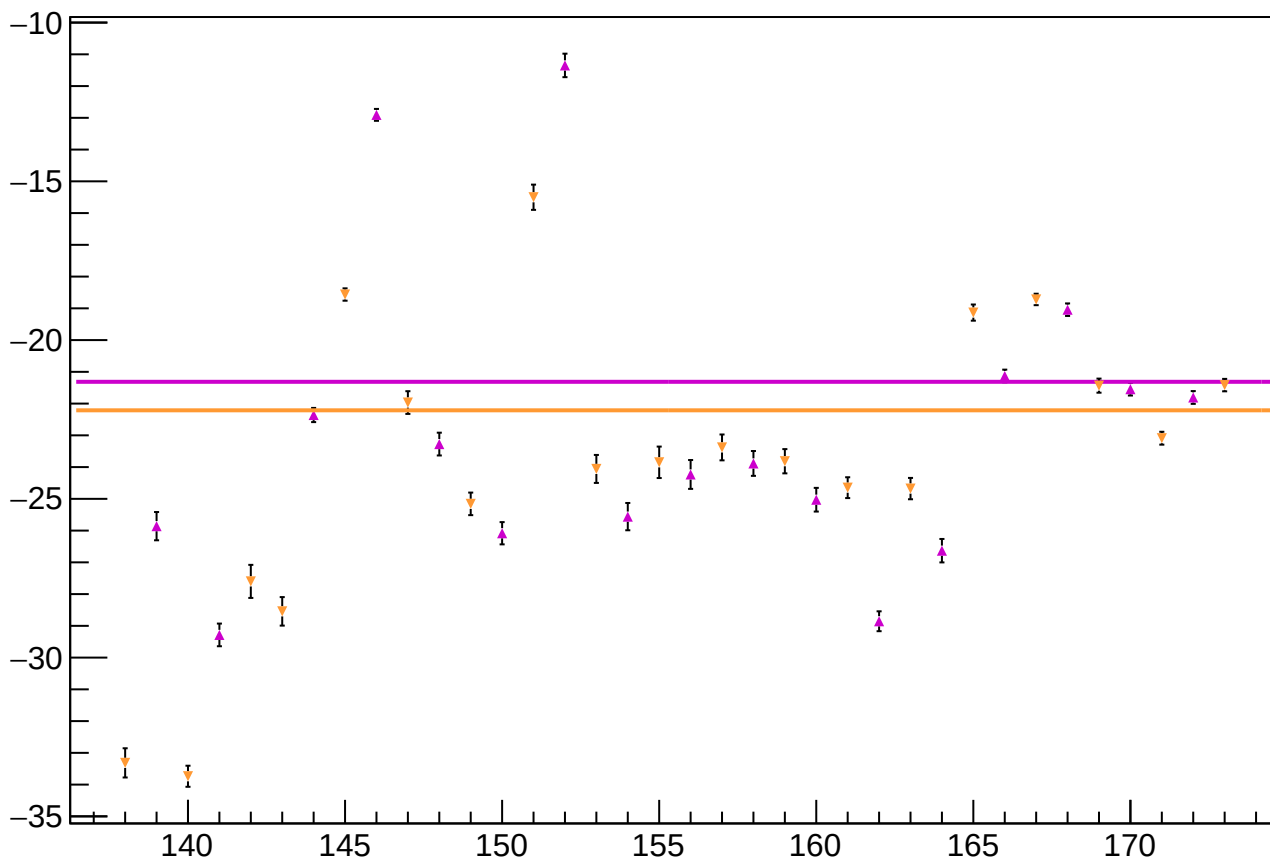
Right: -0.312 ± 0.013 χ^2/NDF : 1845.8/35

In: 0.252 ± 0.005 χ^2/NDF : 1956.7/33

Out: 0.250 ± 0.005 χ^2/NDF : 2210.3/37

All: 0.251 ± 0.004 χ^2/NDF : 4167.0/71

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -22.212 $\pm$ 0.066 χ^2/NDF :3529.5/18
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -21.314 $\pm$ 0.066 χ^2/NDF :4787.8/16

Left: -21.764 $\pm$ 0.047 χ^2/NDF : 8408.9/35

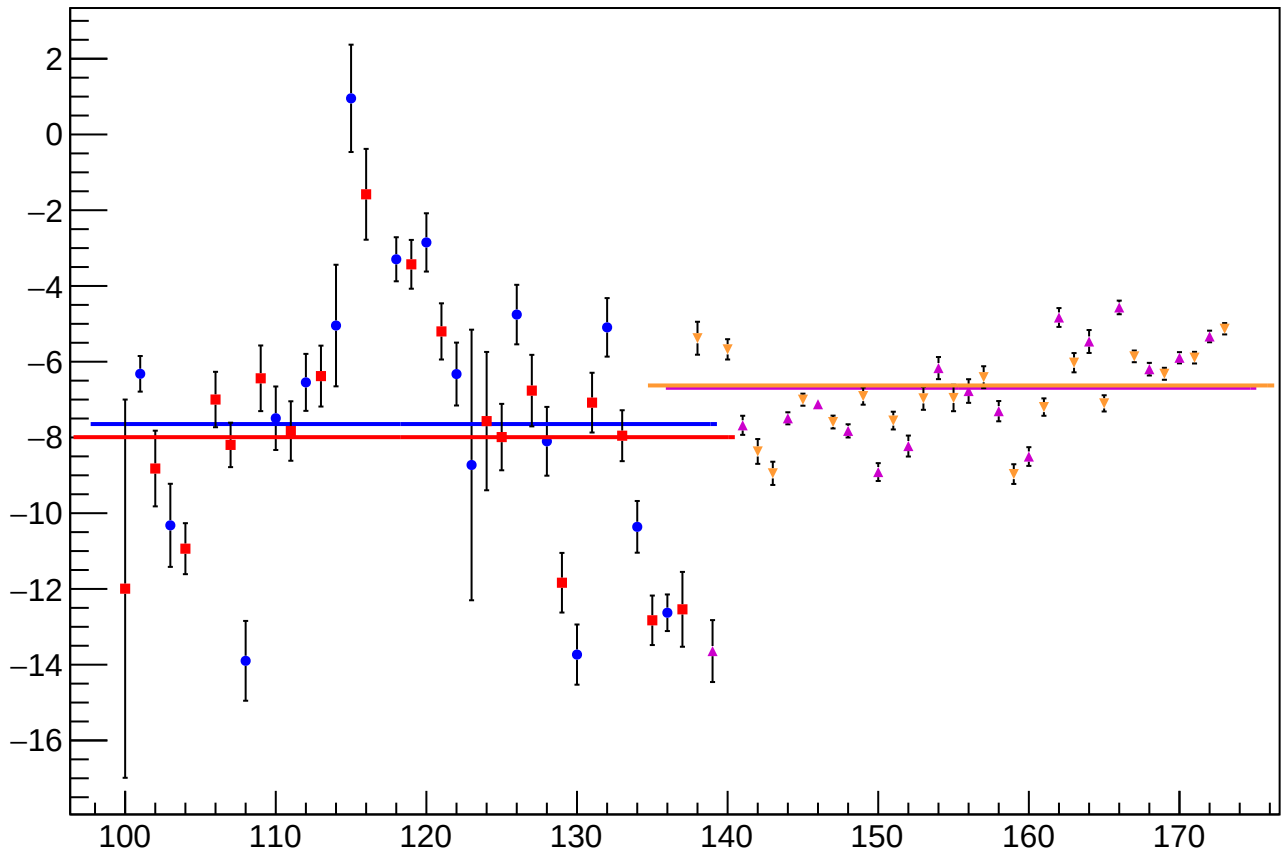
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -21.314 $\pm$ 0.066 χ^2/NDF :4787.8/16

Out: -22.212 $\pm$ 0.066 χ^2/NDF :3529.5/18

All: -21.764 $\pm$ 0.047 χ^2/NDF : 8408.9/35

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: -6.627 ± 0.049 χ^2/NDF : 413.1/18

Right Out: -7.992 ± 0.186 χ^2/NDF : 225.5/18

Left In: -6.689 ± 0.048 χ^2/NDF : 678.6/16

Left: -6.658 ± 0.034 χ^2/NDF : 1092.4/35

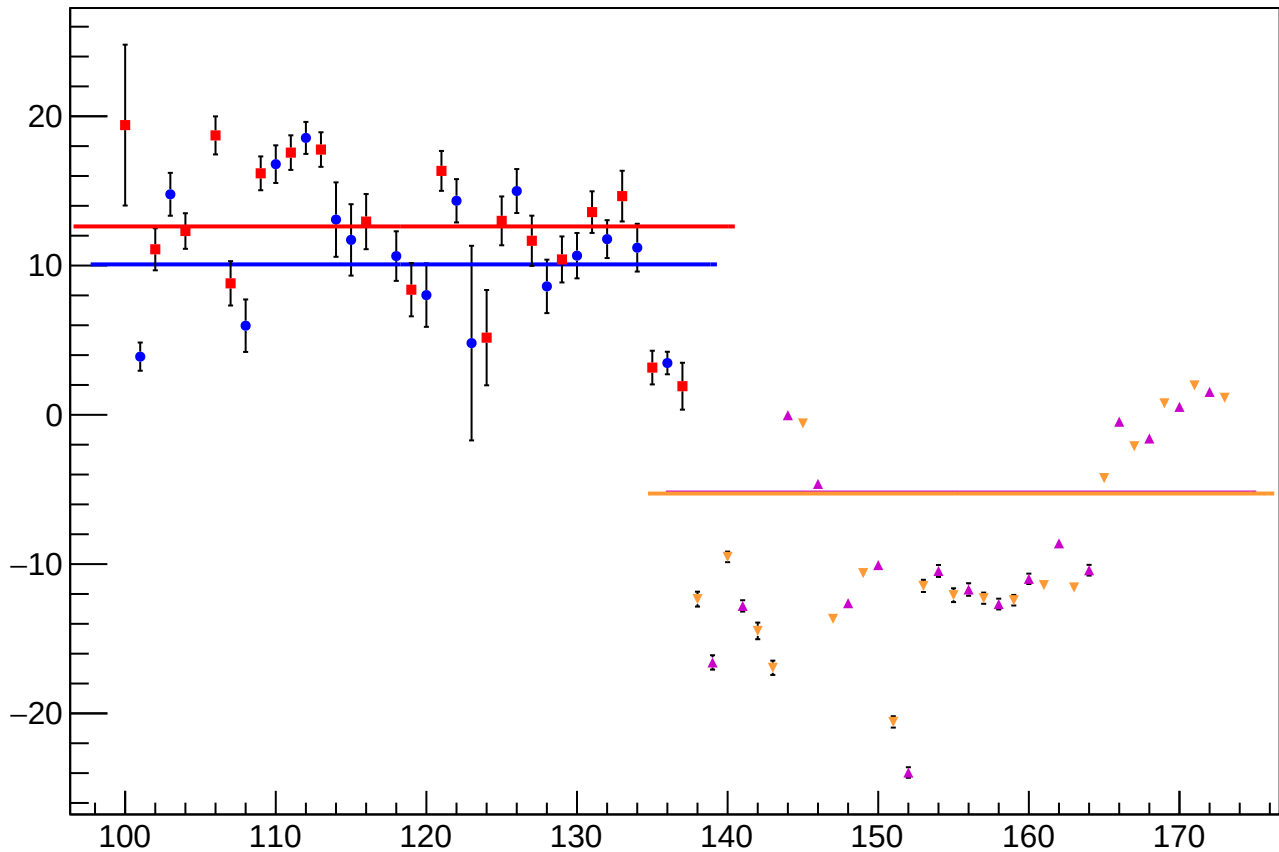
Right: -7.819 ± 0.131 χ^2/NDF : 620.8/35

In: -6.749 ± 0.047 χ^2/NDF : 1097.1/33

Out: -6.715 ± 0.047 χ^2/NDF : 689.0/37

All: -6.732 ± 0.033 χ^2/NDF : 1786.4/71

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: -5.271 ± 0.066 $\chi^2/\text{NDF}: 9498.4/18$

Right Out: 12.620 ± 0.332 $\chi^2/\text{NDF}: 220.0/18$

Left In: -5.206 ± 0.066 $\chi^2/\text{NDF}: 9169.0/16$

Left: -5.238 ± 0.047 $\chi^2/\text{NDF}: 18667.9/35$

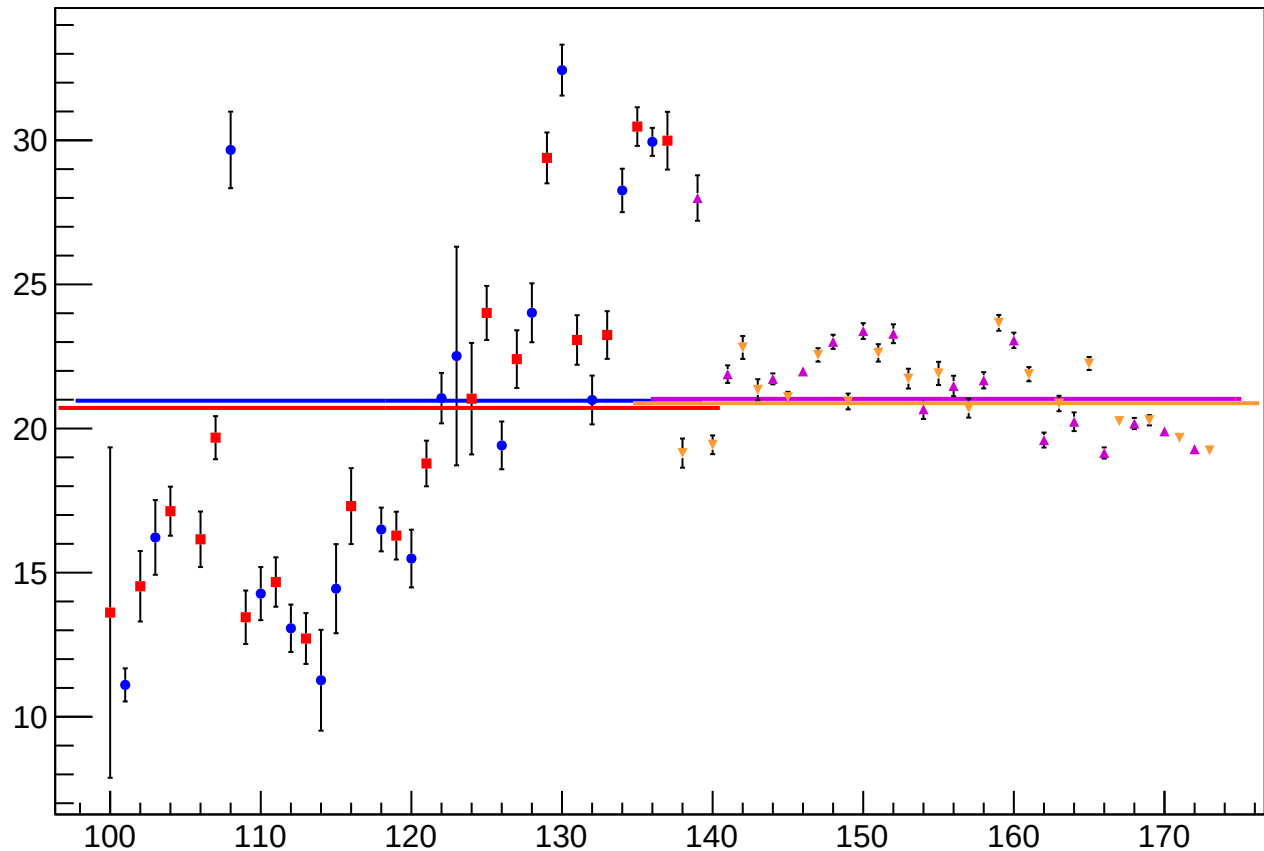
Right: 11.365 ± 0.237 $\chi^2/\text{NDF}: 501.6/35$

In: -4.641 ± 0.065 $\chi^2/\text{NDF}: 11405.1/33$

Out: -4.584 ± 0.065 $\chi^2/\text{NDF}: 12503.5/37$

All: -4.613 ± 0.046 $\chi^2/\text{NDF}: 23909.0/71$

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: 20.879 $\pm$ 0.055 χ^2 /NDF:489.5/18

Right Out: 20.716 $\pm$ 0.213 χ^2 /NDF: 729.9/18

Left In: 21.029 $\pm$ 0.056 χ^2 /NDF:700.1/16

Left: 20.953 $\pm$ 0.039 χ^2 /NDF: 1193.3/35

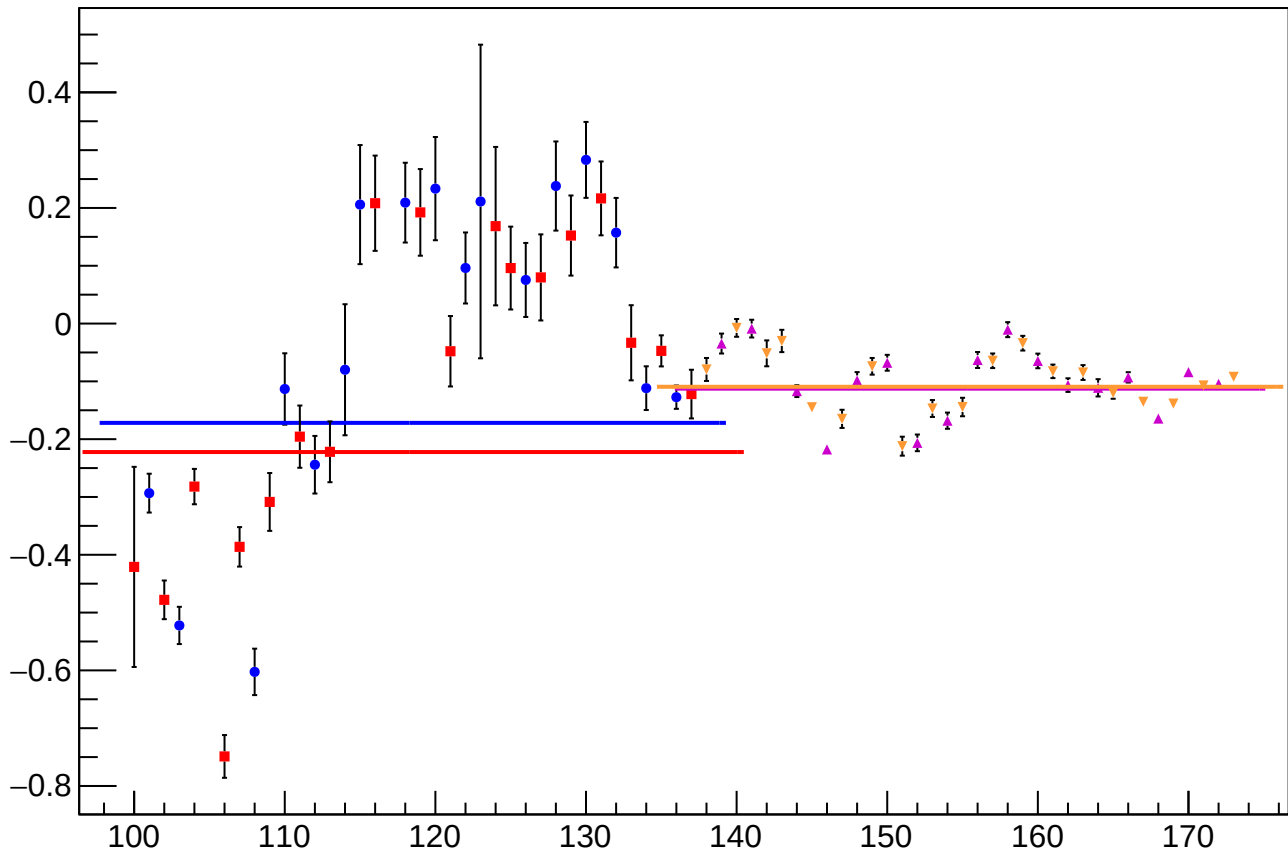
Right: 20.842 $\pm$ 0.149 χ^2 /NDF: 1956.1/35

In: 21.025 $\pm$ 0.054 χ^2 /NDF:1925.7/33

Out: 20.868 $\pm$ 0.054 χ^2 /NDF:1220.0/37

All: 20.946 $\pm$ 0.038 χ^2 /NDF: 3149.8/71

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: -0.109 ± 0.003 χ^2/NDF : 246.0/18

Right Out: -0.222 ± 0.011 χ^2/NDF : 536.1/18

Left In: -0.113 ± 0.003 χ^2/NDF : 448.7/16

Left: -0.111 ± 0.002 χ^2/NDF : 695.5/35

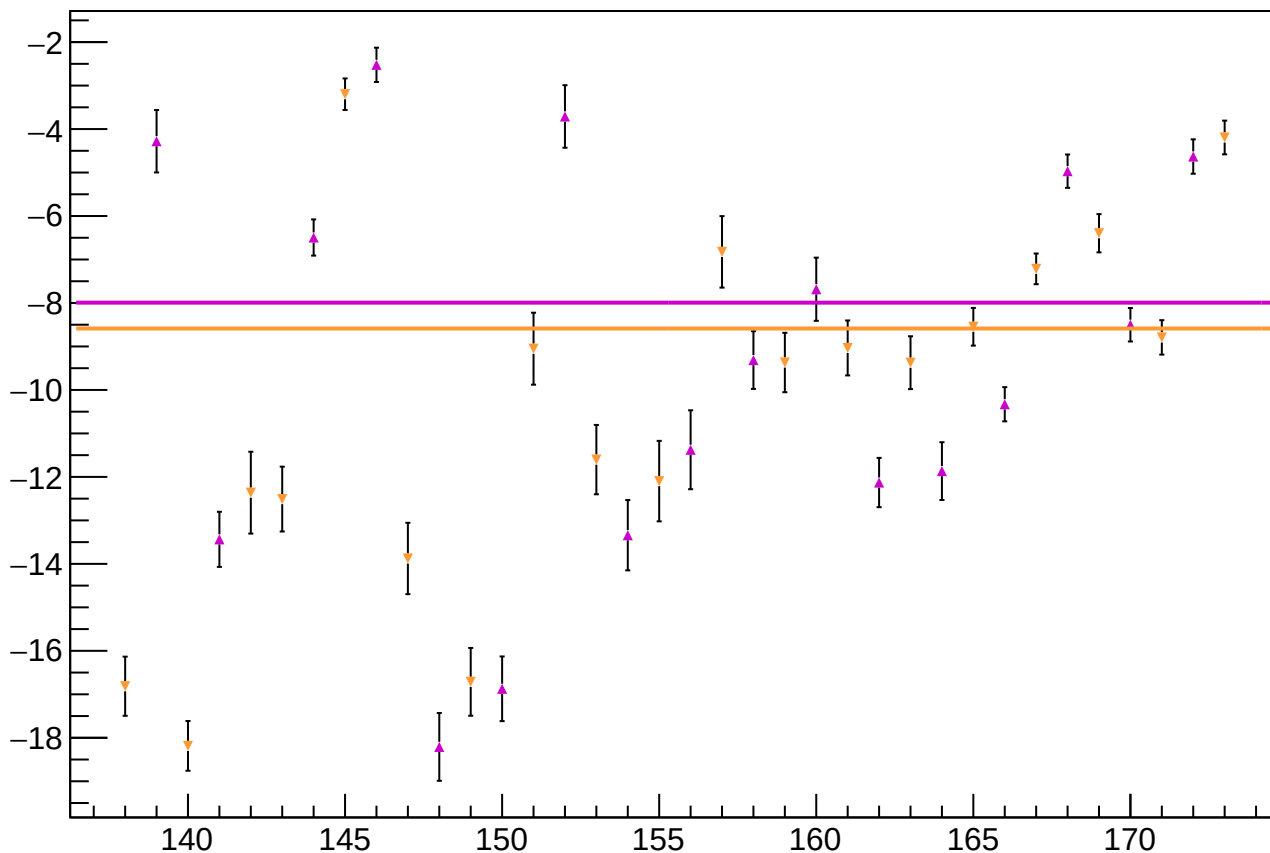
Right: -0.198 ± 0.008 χ^2/NDF : 1010.7/35

In: -0.116 ± 0.003 χ^2/NDF : 939.4/33

Out: -0.115 ± 0.002 χ^2/NDF : 883.1/37

All: -0.115 ± 0.002 χ^2/NDF : 1822.5/71

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -8.587 ± 0.126 $\chi^2/\text{NDF}: 1048.3/18$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -7.992 ± 0.128 $\chi^2/\text{NDF}: 976.1/16$

Left: -8.296 ± 0.090 $\chi^2/\text{NDF}: 2035.4/35$

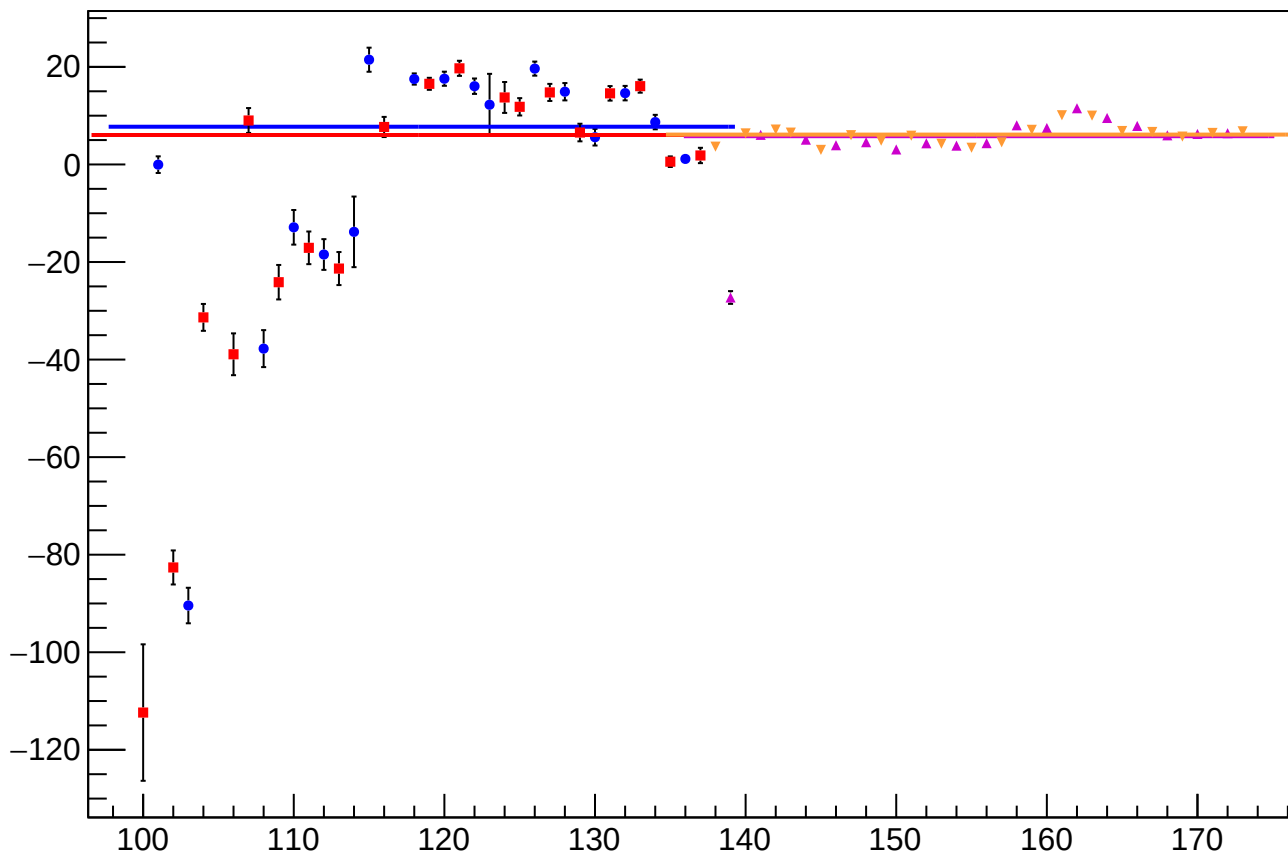
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -7.992 ± 0.128 $\chi^2/\text{NDF}: 976.1/16$

Out: -8.587 ± 0.126 $\chi^2/\text{NDF}: 1048.3/18$

All: -8.296 ± 0.090 $\chi^2/\text{NDF}: 2035.4/35$

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: 6.122 ± 0.093 $\chi^2/\text{NDF}: 351.0/18$

Right Out: 6.040 ± 0.434 $\chi^2/\text{NDF}: 1512.1/18$

Left In: 5.793 ± 0.095 $\chi^2/\text{NDF}: 1052.2/16$

Left: 5.960 ± 0.066 $\chi^2/\text{NDF}: 1409.3/35$

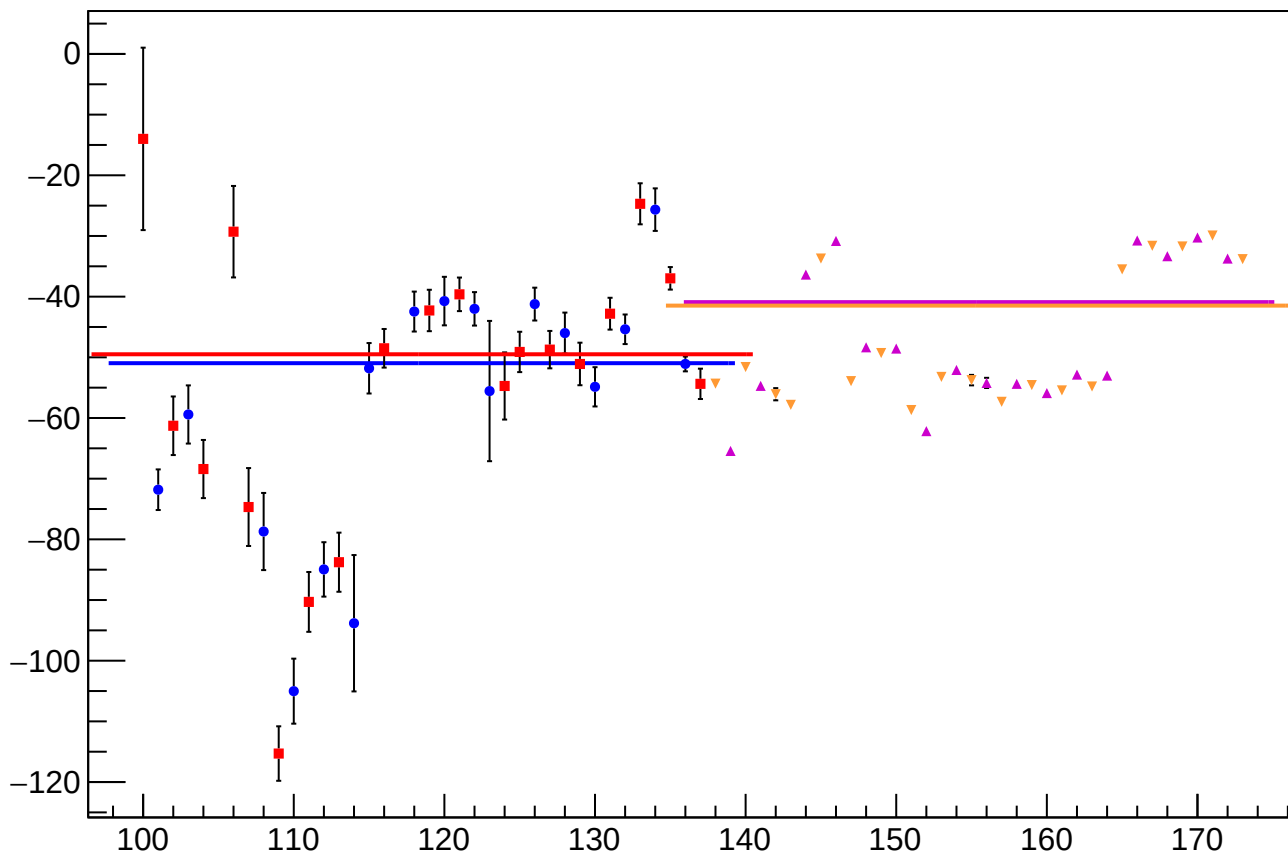
Right: 6.952 ± 0.295 $\chi^2/\text{NDF}: 2878.8/35$

In: 5.895 ± 0.092 $\chi^2/\text{NDF}: 2432.7/33$

Out: 6.118 ± 0.091 $\chi^2/\text{NDF}: 1863.2/37$

All: 6.008 ± 0.065 $\chi^2/\text{NDF}: 4298.8/71$

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: -41.478 ± 0.126 χ^2/NDF : 7469.0/18

Right Out: -49.497 ± 0.797 χ^2/NDF : 510.4/18

Left In: -40.904 ± 0.128 χ^2/NDF : 7786.0/16

Left: -41.194 ± 0.090 χ^2/NDF : 15265.2/35

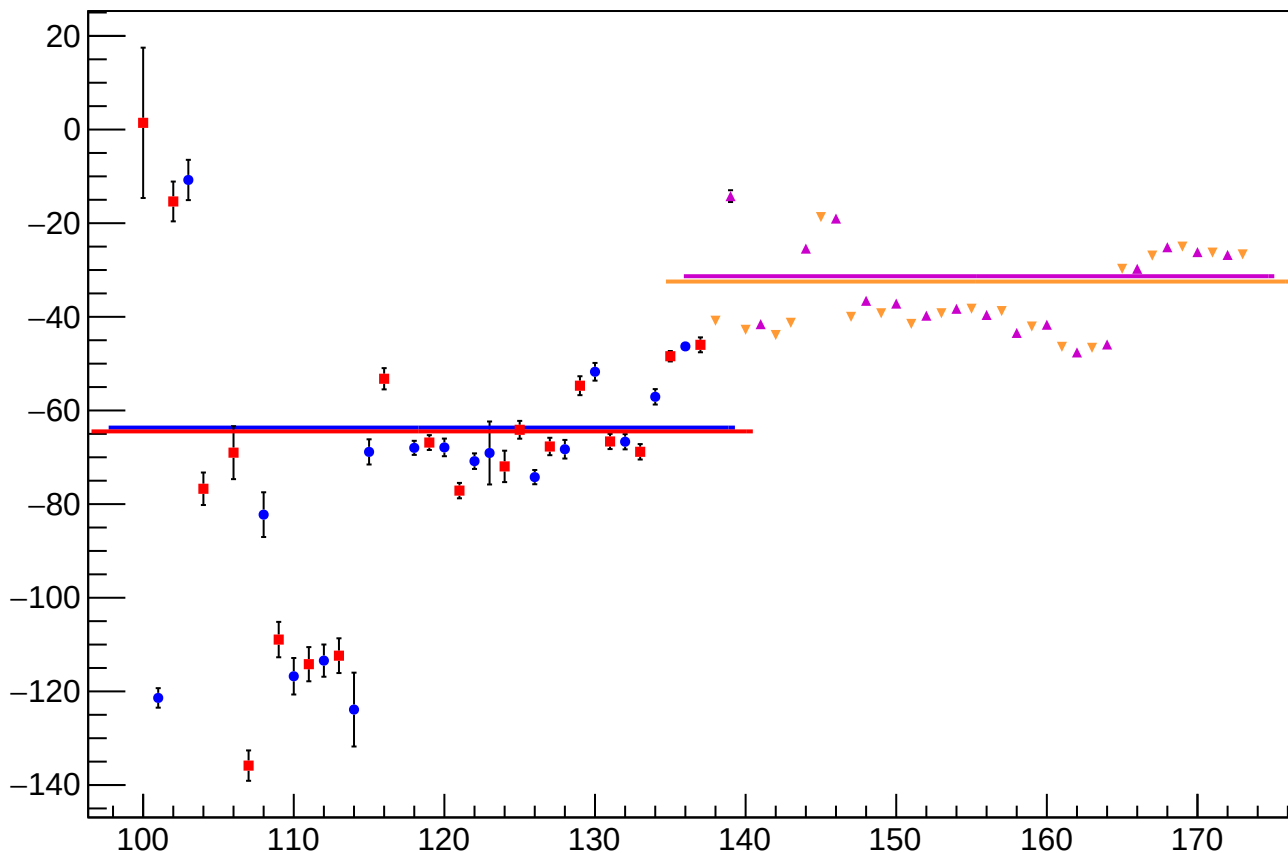
Right: -50.288 ± 0.541 χ^2/NDF : 844.9/35

In: -41.196 ± 0.126 χ^2/NDF : 8299.3/33

Out: -41.674 ± 0.125 χ^2/NDF : 8078.1/37

All: -41.437 ± 0.089 χ^2/NDF : 16384.7/71

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -63.656 ± 0.445 χ^2/NDF : 2014.7/16

Left Out: -32.461 ± 0.106 χ^2/NDF : 6978.3/18

Right Out: -64.470 ± 0.483 χ^2/NDF : 1606.8/18

Left In: -31.325 ± 0.109 χ^2/NDF : 6581.9/16

Left: -31.909 ± 0.076 χ^2/NDF : 13616.4/35

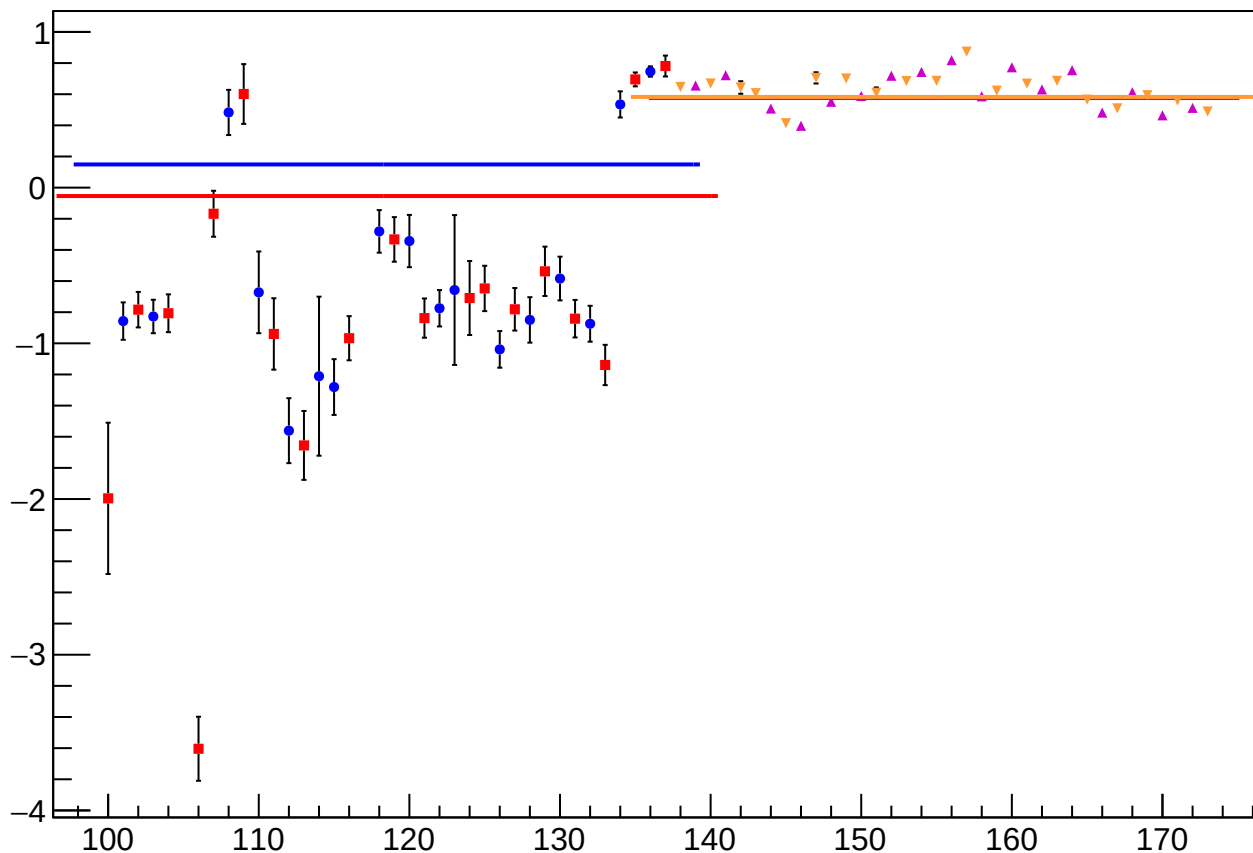
Right: -64.030 ± 0.327 χ^2/NDF : 3623.1/35

In: -33.144 ± 0.106 χ^2/NDF : 13570.1/33

Out: -33.927 ± 0.103 χ^2/NDF : 12784.4/37

All: -33.545 ± 0.074 χ^2/NDF : 26382.6/71

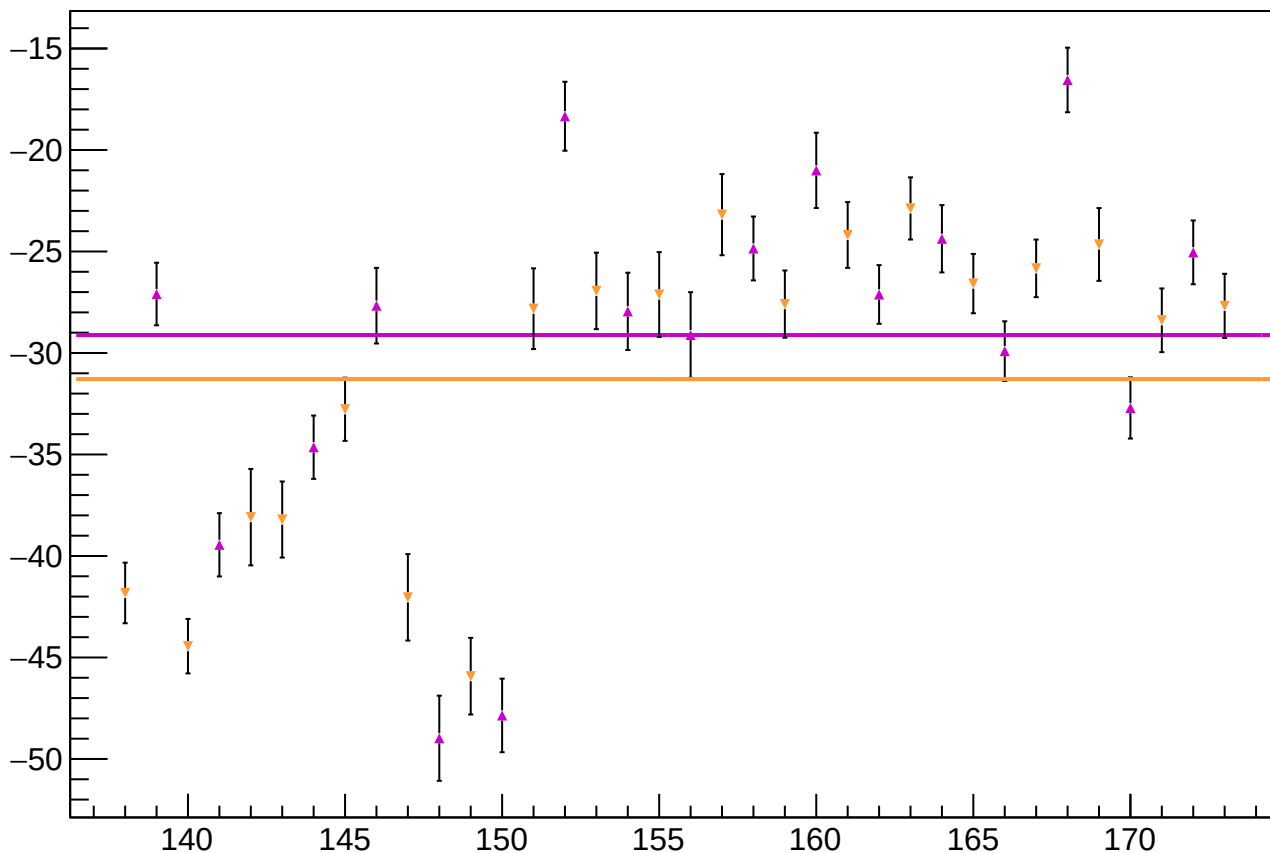
reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.149 ± 0.024 $\chi^2/\text{NDF}: 989.9/16$
 Left Out: 0.583 ± 0.005 $\chi^2/\text{NDF}: 432.2/18$
 Right Out: -0.054 ± 0.026 $\chi^2/\text{NDF}: 1167.9/18$
 Left In: 0.575 ± 0.005 $\chi^2/\text{NDF}: 525.1/16$

Left: 0.579 ± 0.003 $\chi^2/\text{NDF}: 958.4/35$
 Right: 0.056 ± 0.018 $\chi^2/\text{NDF}: 2190.5/35$
 In: 0.558 ± 0.005 $\chi^2/\text{NDF}: 1818.3/33$
 Out: 0.561 ± 0.005 $\chi^2/\text{NDF}: 2170.8/37$
 All: 0.560 ± 0.003 $\chi^2/\text{NDF}: 3989.4/71$

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -31.285 $\pm$ 0.388 χ^2 /NDF:384.9/18

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

Left In: -29.115 $\pm$ 0.403 χ^2 /NDF:407.7/16

Left: -30.242 $\pm$ 0.280 χ^2 /NDF: 807.7/35

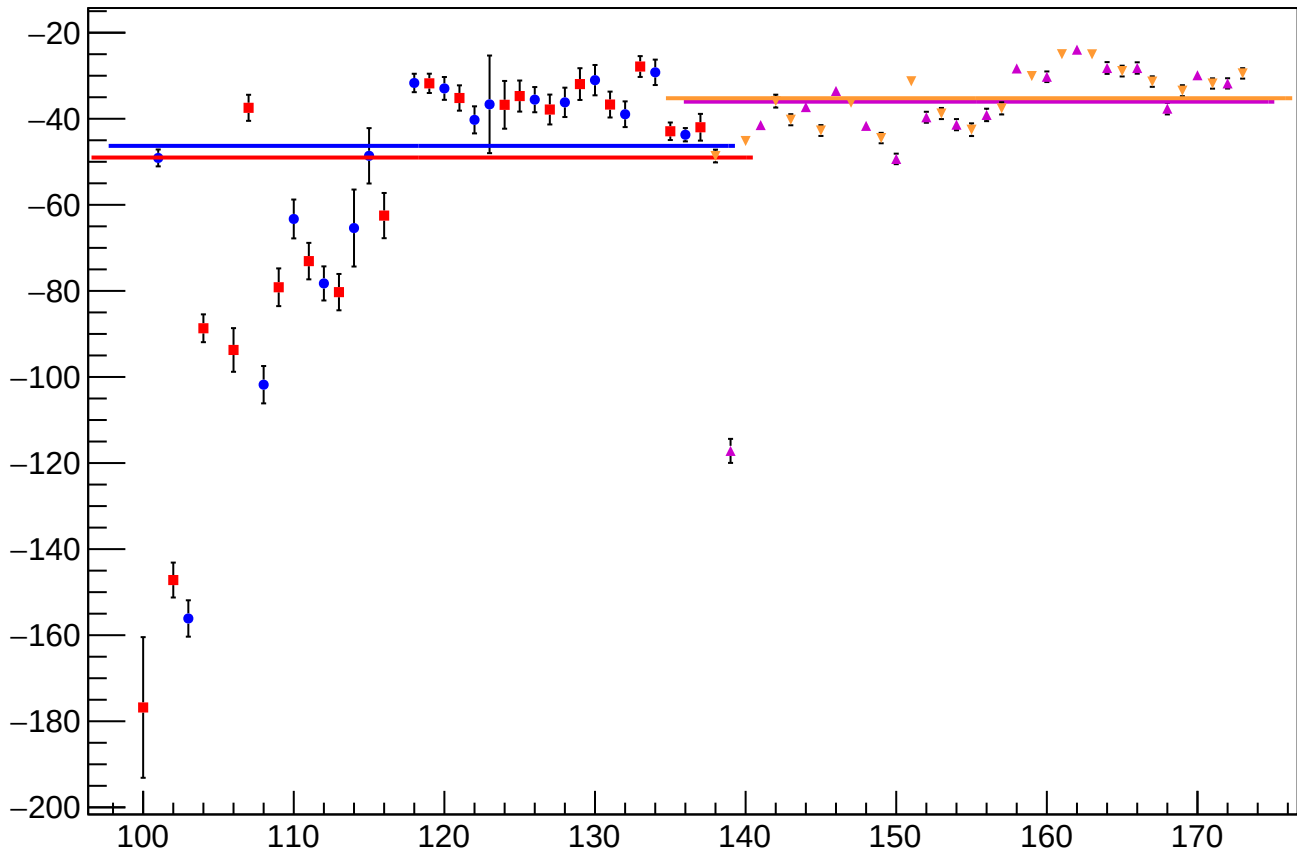
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -29.115 $\pm$ 0.403 χ^2 /NDF:407.7/16

Out: -31.285 $\pm$ 0.388 χ^2 /NDF:384.9/18

All: -30.242 $\pm$ 0.280 χ^2 /NDF: 807.7/35

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -46.300 ± 0.723 $\chi^2/\text{NDF}: 1084.0/16$

Left Out: -35.229 ± 0.283 $\chi^2/\text{NDF}: 566.4/18$

Right Out: -49.008 ± 0.764 $\chi^2/\text{NDF}: 1271.7/18$

Left In: -36.033 ± 0.299 $\chi^2/\text{NDF}: 1345.8/16$

Left: -35.609 ± 0.205 $\chi^2/\text{NDF}: 1916.0/35$

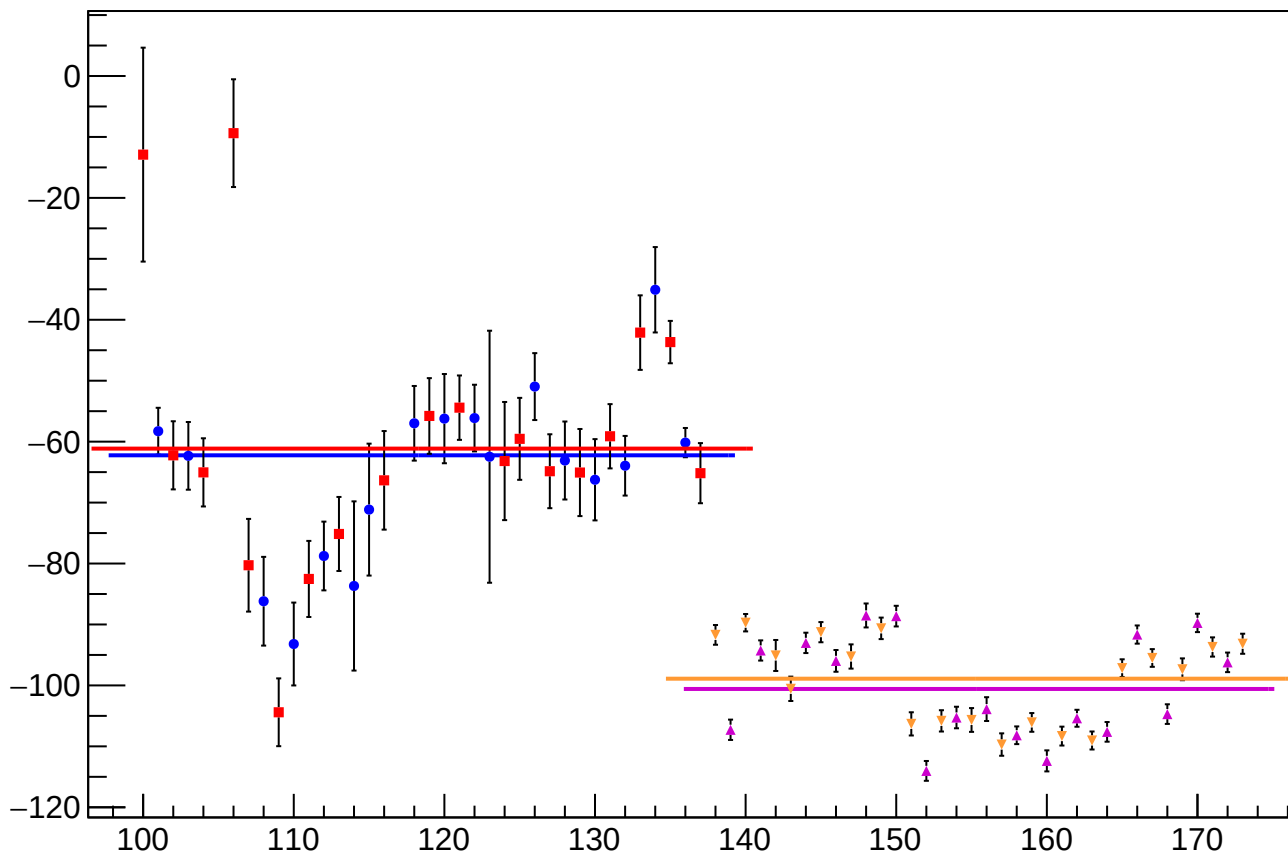
Right: -47.580 ± 0.525 $\chi^2/\text{NDF}: 2362.3/35$

In: -37.529 ± 0.276 $\chi^2/\text{NDF}: 2602.2/33$

Out: -36.893 ± 0.265 $\chi^2/\text{NDF}: 2124.3/37$

All: -37.199 ± 0.191 $\chi^2/\text{NDF}: 4729.3/71$

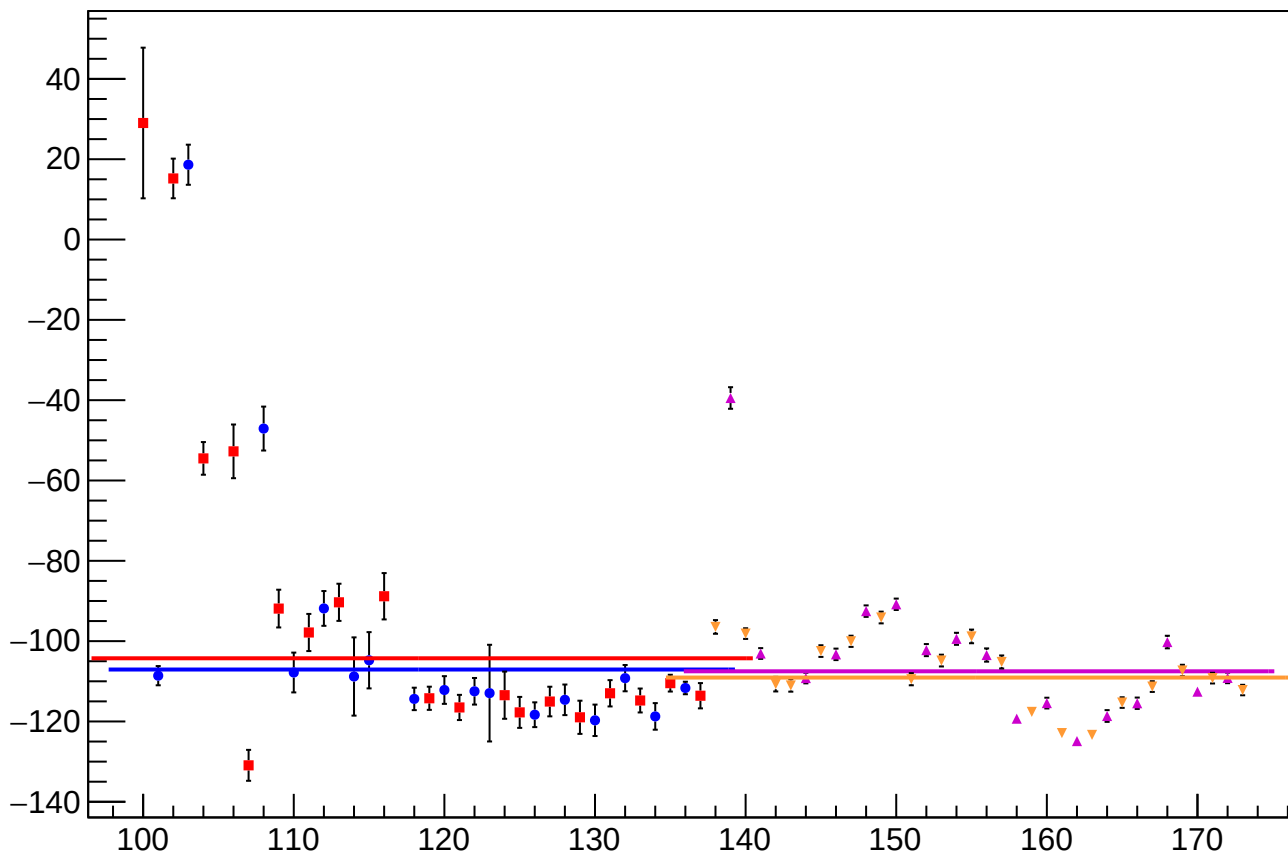
reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.242 ± 1.310 χ^2/NDF : 67.4/16
 Left Out: -98.897 ± 0.386 χ^2/NDF : 324.5/18
 Right Out: -61.142 ± 1.379 χ^2/NDF : 165.6/18
 Left In: -100.582 ± 0.397 χ^2/NDF : 429.8/16

Left: -99.716 ± 0.277 χ^2/NDF : 763.5/35
 Right: -61.720 ± 0.950 χ^2/NDF : 233.3/35
 In: -97.353 ± 0.380 χ^2/NDF : 1281.4/33
 Out: -96.154 ± 0.372 χ^2/NDF : 1184.8/37
 All: -96.740 ± 0.266 χ^2/NDF : 2471.3/71

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: -109.068 ± 0.324 χ^2/NDF : 692.1/18

Right Out: -104.269 ± 0.861 χ^2/NDF : 1018.6/18

Left In: -107.509 ± 0.340 χ^2/NDF : 1437.0/16

Left: -108.327 ± 0.235 χ^2/NDF : 2140.1/35

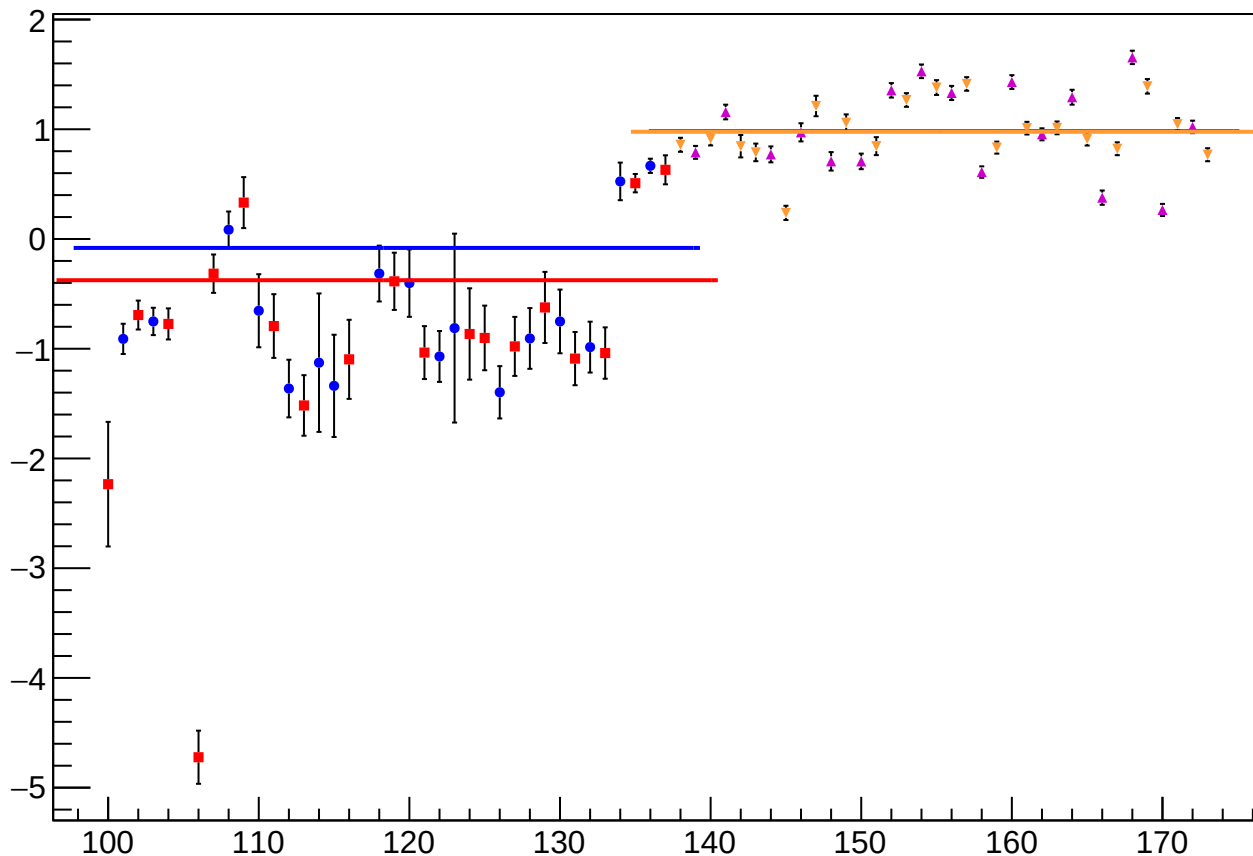
Right: -105.751 ± 0.590 χ^2/NDF : 1852.6/35

In: -107.443 ± 0.314 χ^2/NDF : 2265.6/33

Out: -108.473 ± 0.303 χ^2/NDF : 1737.9/37

All: -107.976 ± 0.218 χ^2/NDF : 4009.1/71

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: 0.977 ± 0.015 χ^2/NDF : 326.4/18

Right Out: -0.376 ± 0.044 χ^2/NDF : 583.0/18

Left In: 0.984 ± 0.015 χ^2/NDF : 689.5/16

Left: 0.980 ± 0.011 χ^2/NDF : 1016.0/35

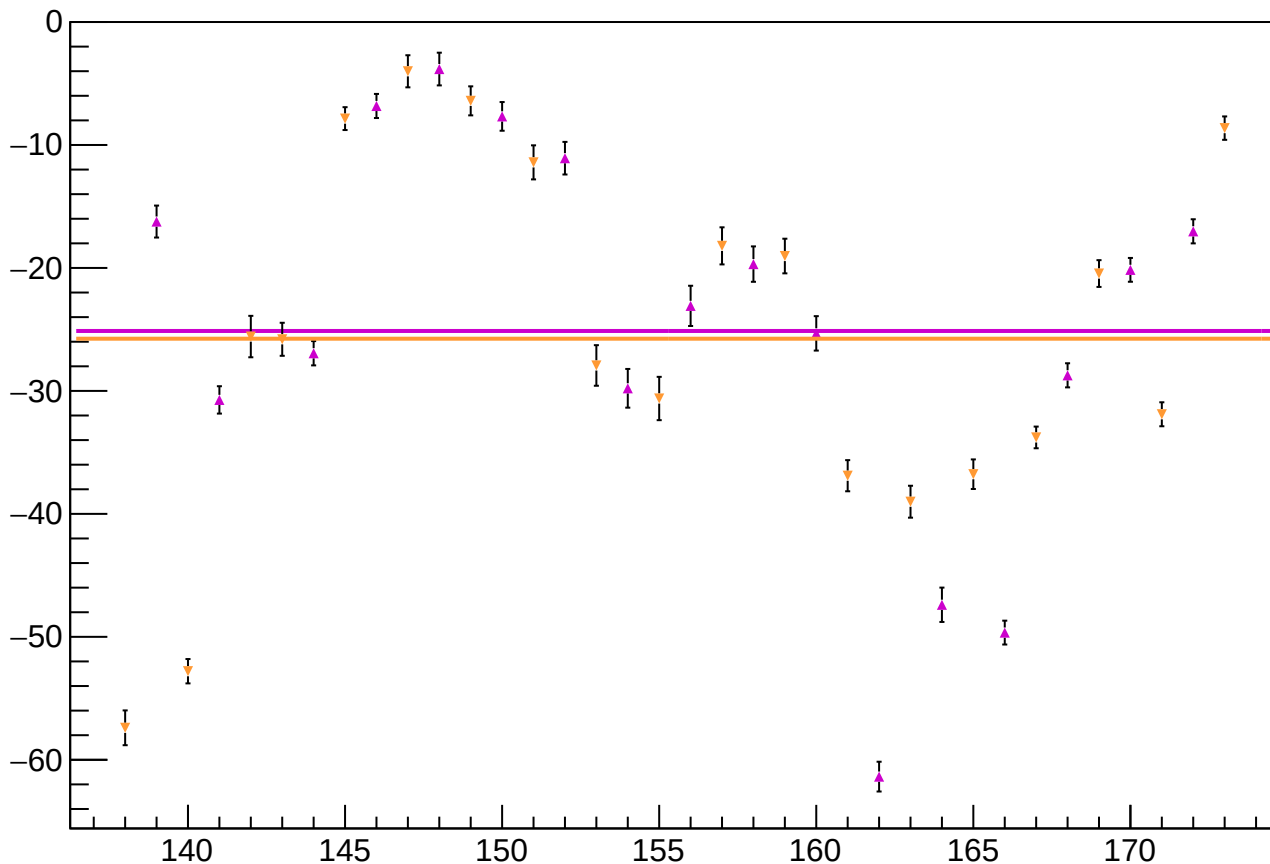
Right: -0.223 ± 0.030 χ^2/NDF : 935.4/35

In: 0.859 ± 0.014 χ^2/NDF : 1581.6/33

Out: 0.837 ± 0.014 χ^2/NDF : 1761.0/37

All: 0.847 ± 0.010 χ^2/NDF : 3343.8/71

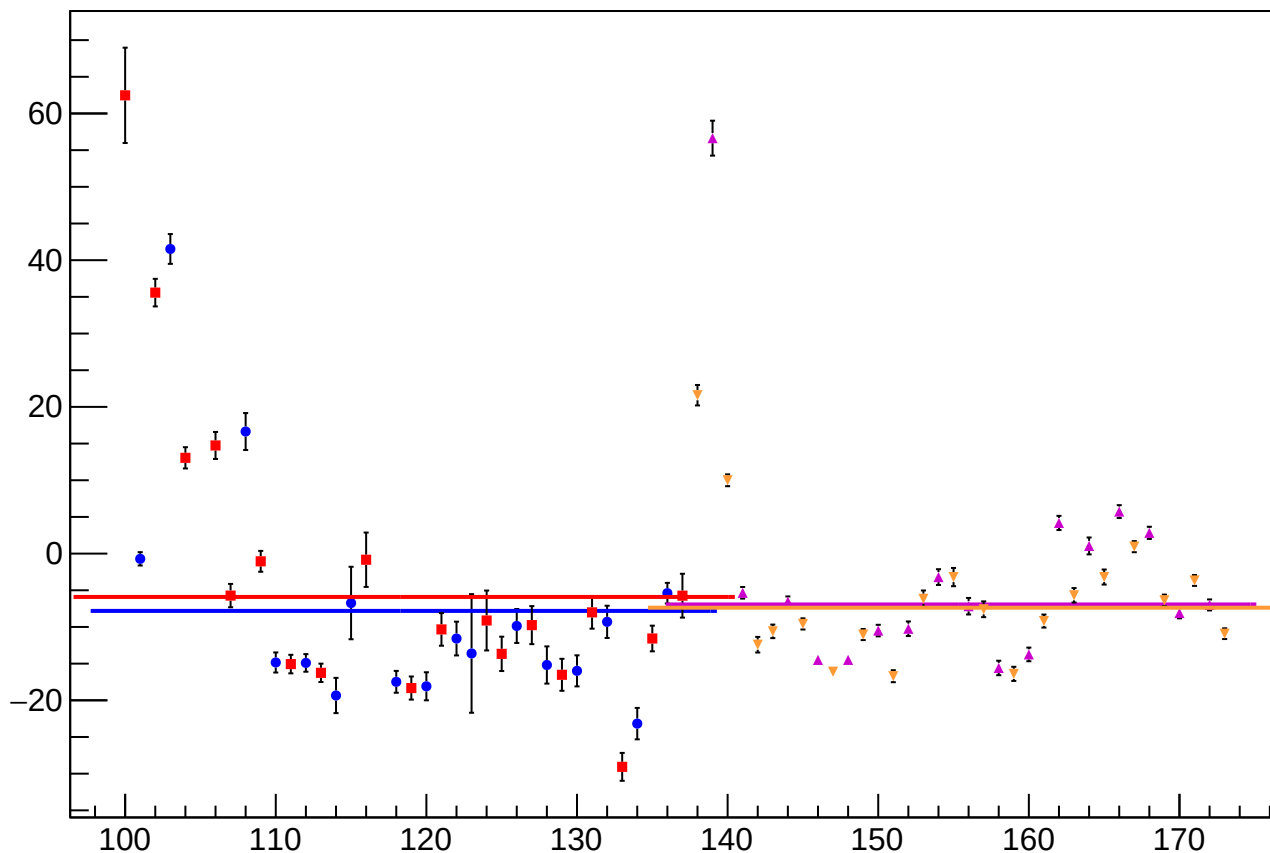
reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -25.754+/-0.275 χ^2/NDF :3063.5/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -25.126+/-0.283 χ^2/NDF :2938.6/16

Left: -25.449+/-0.197 χ^2/NDF : 6004.6/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -25.126+/-0.283 χ^2/NDF :2938.6/16
 Out: -25.754+/-0.275 χ^2/NDF :3063.5/18
 All: -25.449+/-0.197 χ^2/NDF : 6004.6/35

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: -7.375 ± 0.199 χ^2/NDF : 1581.7/18

Right Out: -5.908 ± 0.429 χ^2/NDF : 1293.1/18

Left In: -6.932 ± 0.206 χ^2/NDF : 1706.8/16

Left: -7.161 ± 0.143 χ^2/NDF : 3290.9/35

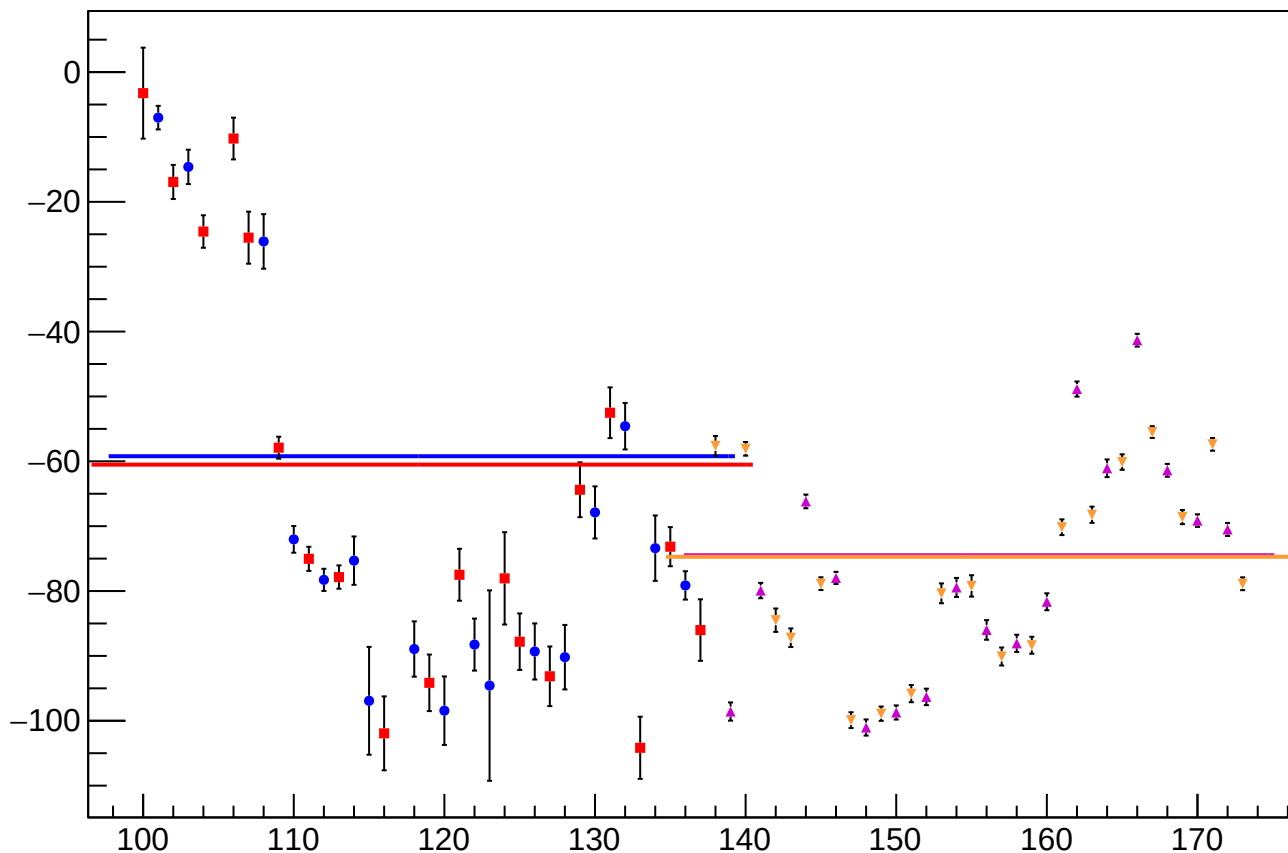
Right: -6.864 ± 0.303 χ^2/NDF : 2285.7/35

In: -7.098 ± 0.186 χ^2/NDF : 2693.0/33

Out: -7.116 ± 0.180 χ^2/NDF : 2884.4/37

All: -7.107 ± 0.129 χ^2/NDF : 5577.4/71

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.214 ± 0.744 $\chi^2/\text{NDF}: 1720.4/16$

Left Out: -74.720 ± 0.275 $\chi^2/\text{NDF}: 2915.8/18$

Right Out: -60.513 ± 0.704 $\chi^2/\text{NDF}: 1383.9/18$

Left In: -74.483 ± 0.280 $\chi^2/\text{NDF}: 3762.1/16$

Left: -74.604 ± 0.196 $\chi^2/\text{NDF}: 6678.3/35$

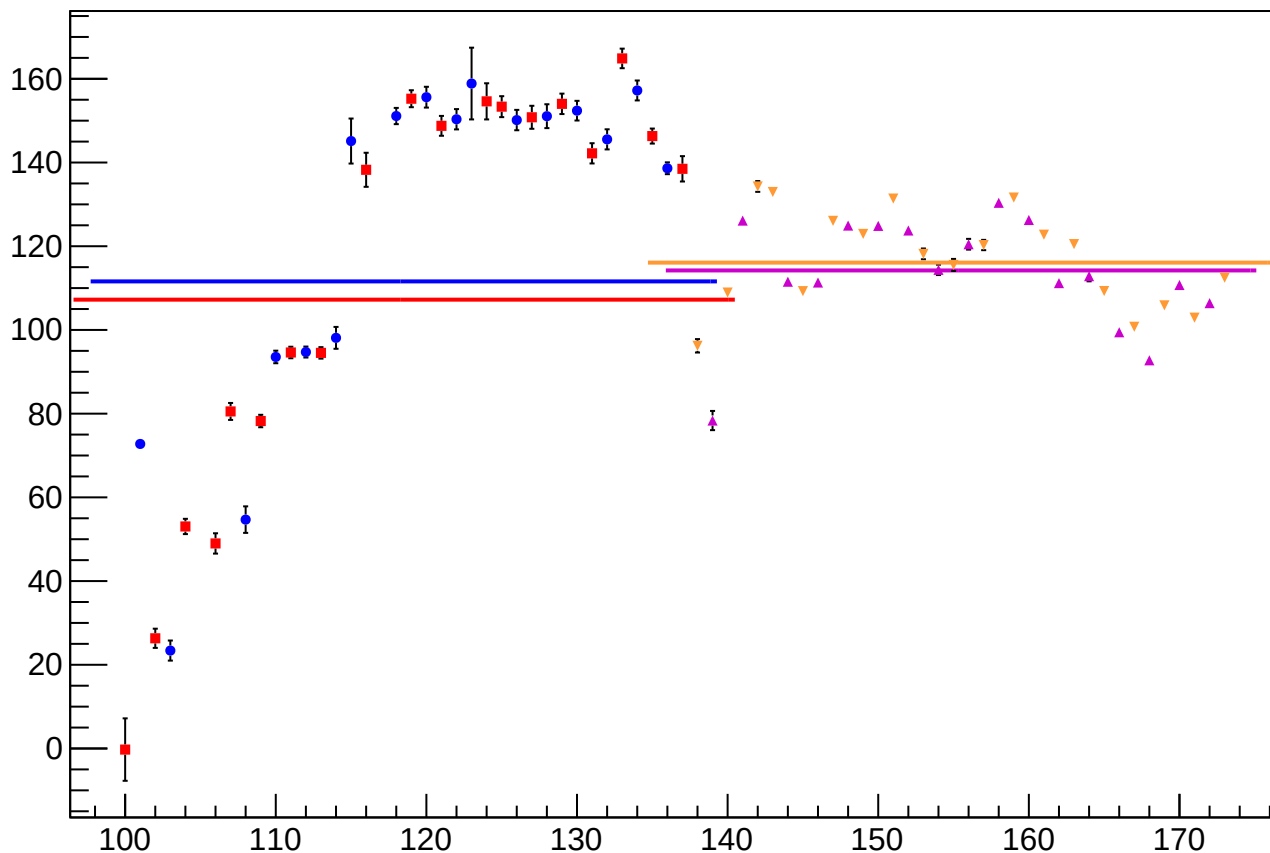
Right: -59.899 ± 0.511 $\chi^2/\text{NDF}: 3105.9/35$

In: -72.590 ± 0.262 $\chi^2/\text{NDF}: 5851.7/33$

Out: -72.846 ± 0.256 $\chi^2/\text{NDF}: 4653.1/37$

All: -72.721 ± 0.183 $\chi^2/\text{NDF}: 10505.3/71$

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.599 $\pm$ 0.487 χ^2 /NDF: 5959.5/16

Left Out: 116.086 $\pm$ 0.229 χ^2 /NDF:2213.8/18

Right Out: 107.238 $\pm$ 0.488 χ^2 /NDF: 7037.4/18

Left In: 114.217 $\pm$ 0.238 χ^2 /NDF:2035.0/16

Left: 115.188 $\pm$ 0.165 χ^2 /NDF: 4280.8/35

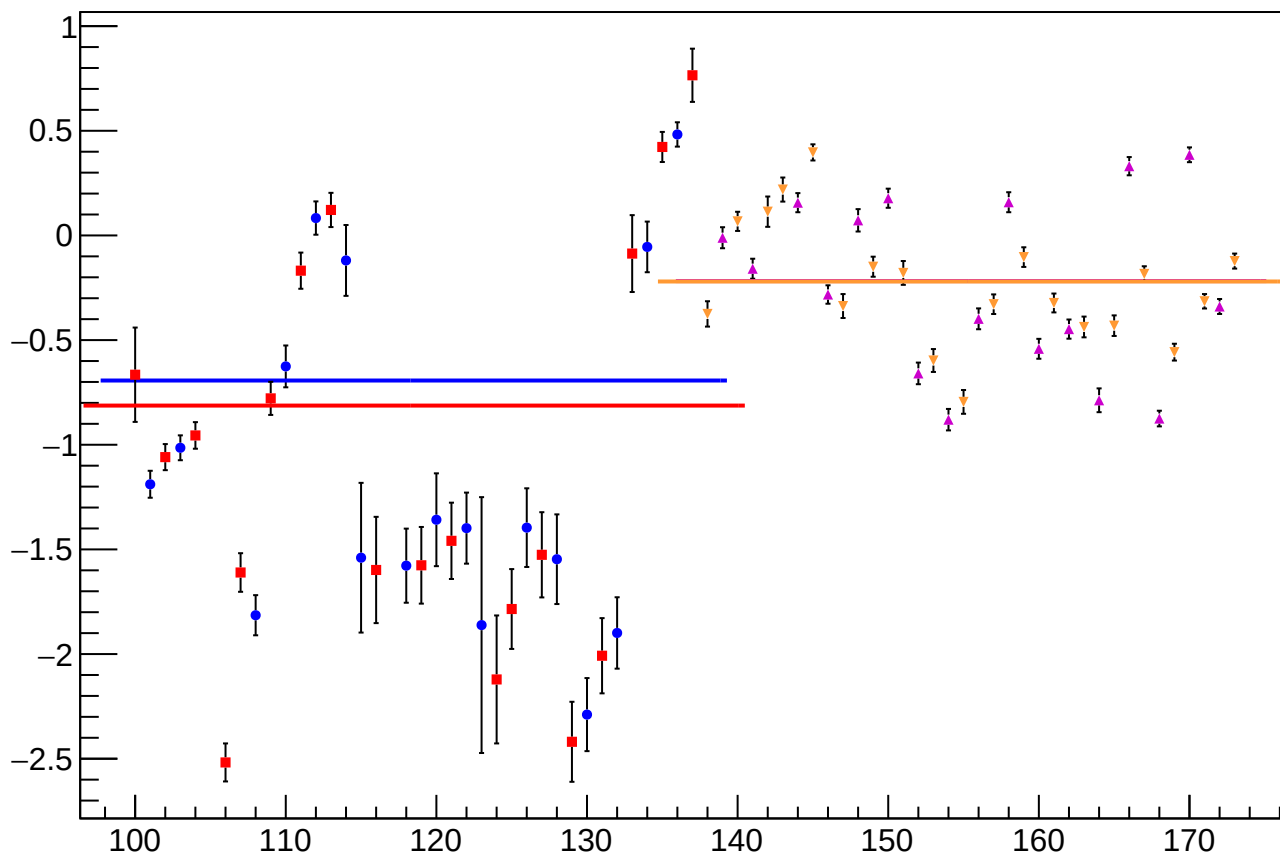
Right: 109.423 $\pm$ 0.344 χ^2 /NDF: 13037.0/35

In: 113.712 $\pm$ 0.214 χ^2 /NDF:8017.9/33

Out: 114.489 $\pm$ 0.207 χ^2 /NDF:9520.9/37

All: 114.113 $\pm$ 0.149 χ^2 /NDF: 17545.6/71

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: -0.220 ± 0.011 χ^2/NDF : 678.5/18

Right Out: -0.813 ± 0.024 χ^2/NDF : 1310.7/18

Left In: -0.218 ± 0.011 χ^2/NDF : 1448.7/16

Left: -0.219 ± 0.008 χ^2/NDF : 2127.2/35

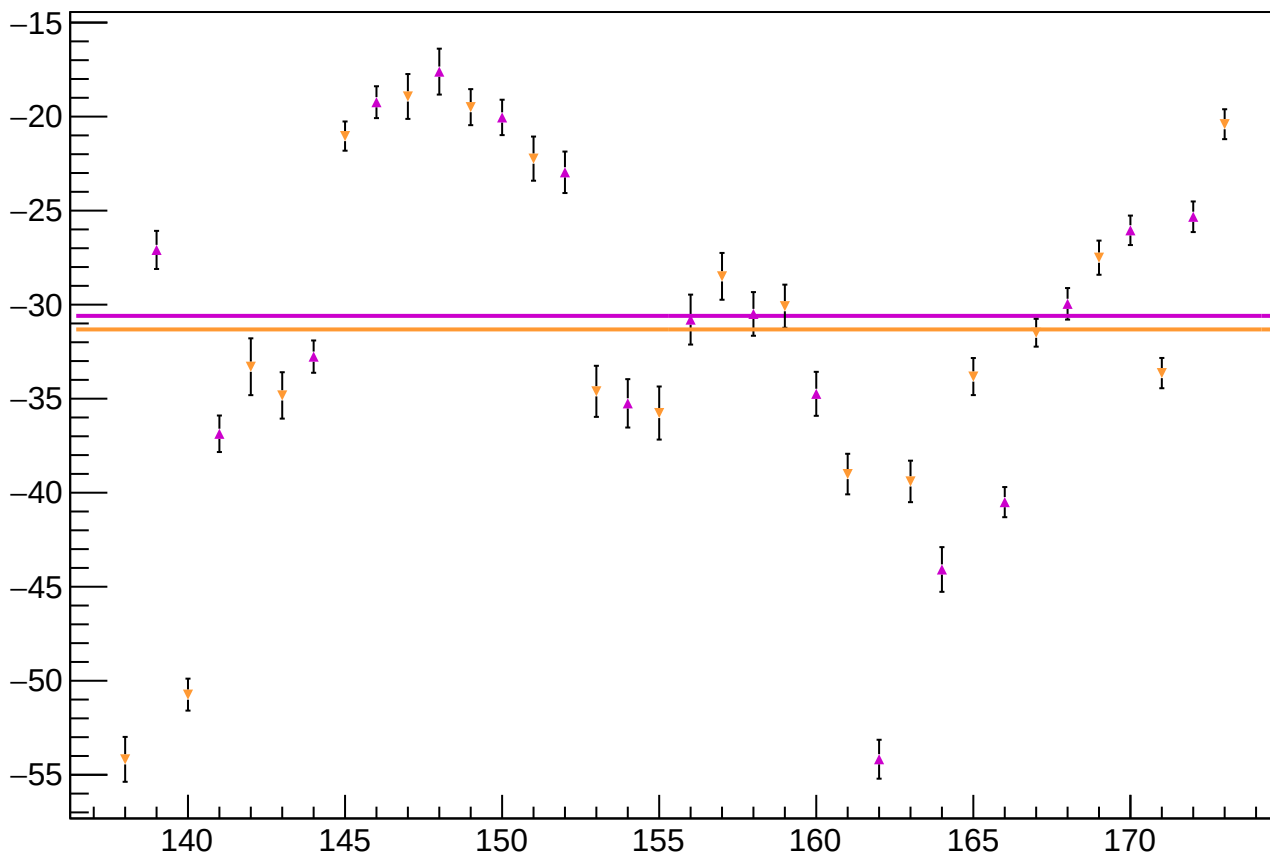
Right: -0.756 ± 0.018 χ^2/NDF : 2315.2/35

In: -0.291 ± 0.010 χ^2/NDF : 2729.5/33

Out: -0.315 ± 0.010 χ^2/NDF : 2487.1/37

All: -0.304 ± 0.007 χ^2/NDF : 5219.6/71

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: -31.318+/-0.231 χ^2/NDF :1741.4/18

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

Left In: -30.597+/-0.237 χ^2/NDF :1429.3/16

Left: -30.966+/-0.166 χ^2/NDF : 3175.4/35

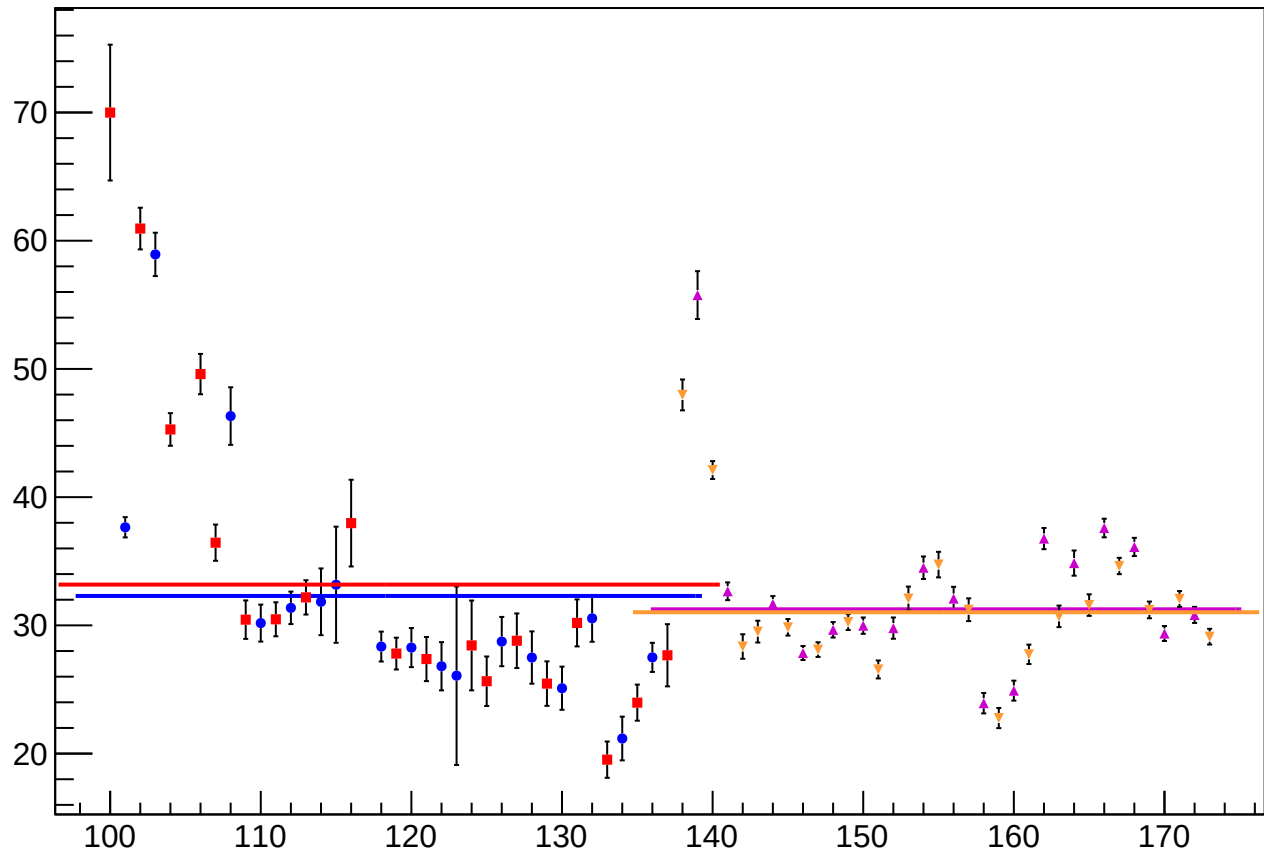
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -30.597+/-0.237 χ^2/NDF :1429.3/16

Out: -31.318+/-0.231 χ^2/NDF :1741.4/18

All: -30.966+/-0.166 χ^2/NDF : 3175.4/35

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 32.295 ± 0.373 $\chi^2/\text{NDF}: 452.2/16$

Left Out: 31.025 ± 0.169 $\chi^2/\text{NDF}: 722.6/18$

Right Out: 33.180 ± 0.379 $\chi^2/\text{NDF}: 770.3/18$

Left In: 31.252 ± 0.175 $\chi^2/\text{NDF}: 587.4/16$

Left: 31.134 ± 0.122 $\chi^2/\text{NDF}: 1310.9/35$

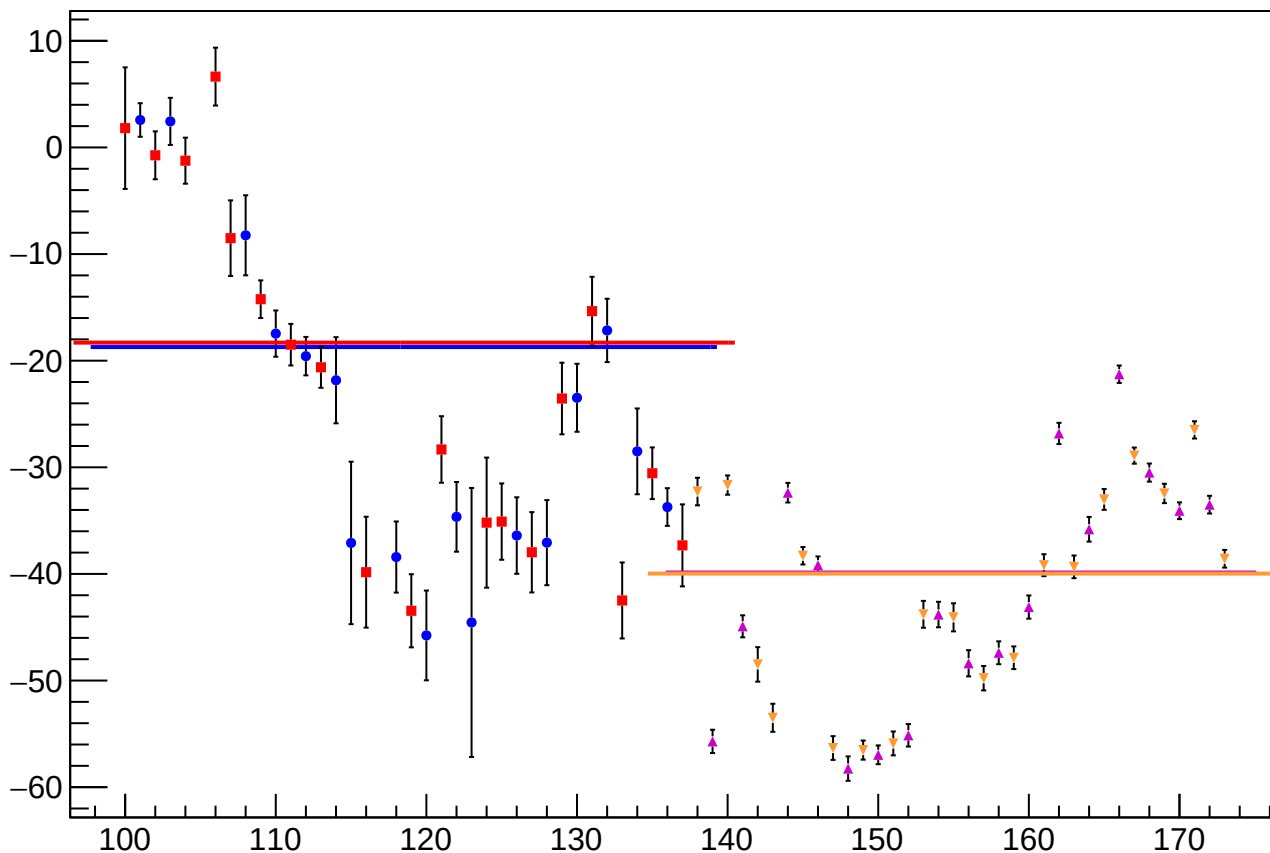
Right: 32.730 ± 0.266 $\chi^2/\text{NDF}: 1225.3/35$

In: 31.441 ± 0.159 $\chi^2/\text{NDF}: 1046.0/33$

Out: 31.382 ± 0.154 $\chi^2/\text{NDF}: 1519.8/37$

All: 31.410 ± 0.111 $\chi^2/\text{NDF}: 2565.9/71$

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: -39.969 ± 0.231 $\chi^2/\text{NDF}: 1776.6/18$

Right Out: -18.306 ± 0.644 $\chi^2/\text{NDF}: 472.6/18$

Left In: -39.869 ± 0.234 $\chi^2/\text{NDF}: 2199.5/16$

Left: -39.920 ± 0.164 $\chi^2/\text{NDF}: 3976.2/35$

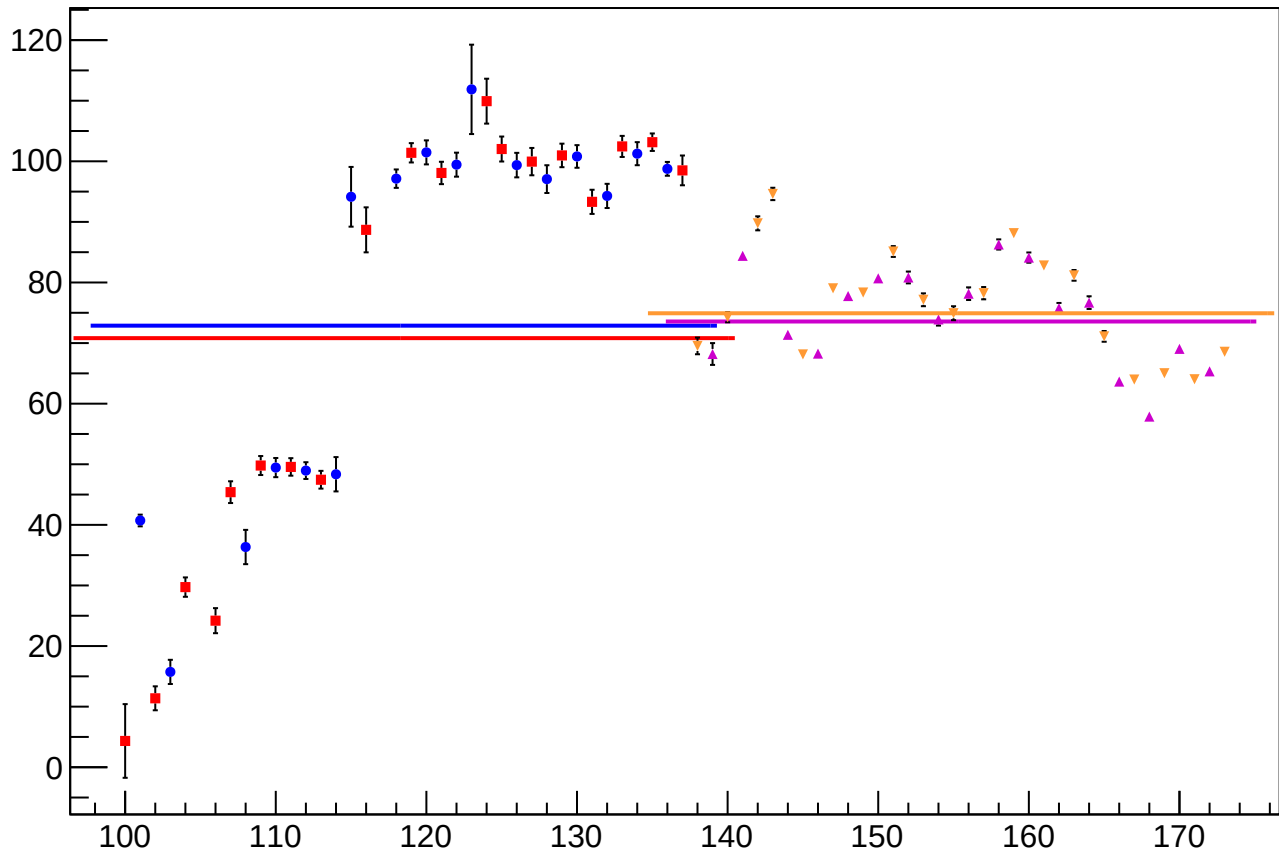
Right: -18.506 ± 0.463 $\chi^2/\text{NDF}: 992.4/35$

In: -37.533 ± 0.221 $\chi^2/\text{NDF}: 3617.7/33$

Out: -37.500 ± 0.217 $\chi^2/\text{NDF}: 3253.3/37$

All: -37.516 ± 0.155 $\chi^2/\text{NDF}: 6871.0/71$

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: 74.920 $\pm$ 0.193 χ^2 /NDF:2029.9/18

Right Out: 70.815 $\pm$ 0.433 χ^2 /NDF: 5489.3/18

Left In: 73.561 $\pm$ 0.201 χ^2 /NDF:1559.8/16

Left: 74.266 $\pm$ 0.139 χ^2 /NDF: 3613.5/35

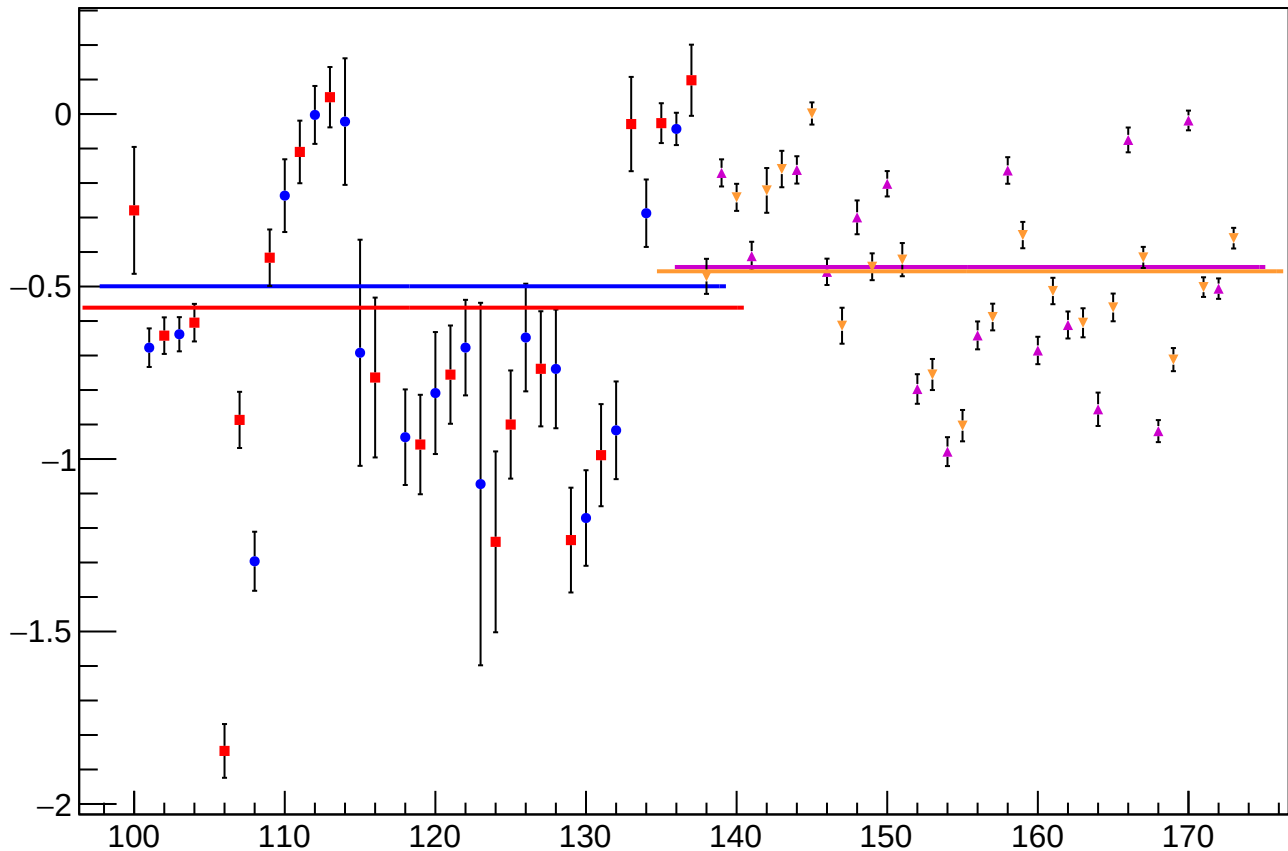
Right: 71.863 $\pm$ 0.304 χ^2 /NDF: 10238.7/35

In: 73.437 $\pm$ 0.182 χ^2 /NDF:6299.9/33

Out: 74.238 $\pm$ 0.177 χ^2 /NDF:7594.1/37

All: 73.849 $\pm$ 0.127 χ^2 /NDF: 13904.0/71

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: -0.456 ± 0.009 χ^2/NDF : 541.3/18

Right Out: -0.561 ± 0.021 χ^2/NDF : 562.3/18

Left In: -0.443 ± 0.009 χ^2/NDF : 1138.9/16

Left: -0.450 ± 0.006 χ^2/NDF : 1681.1/35

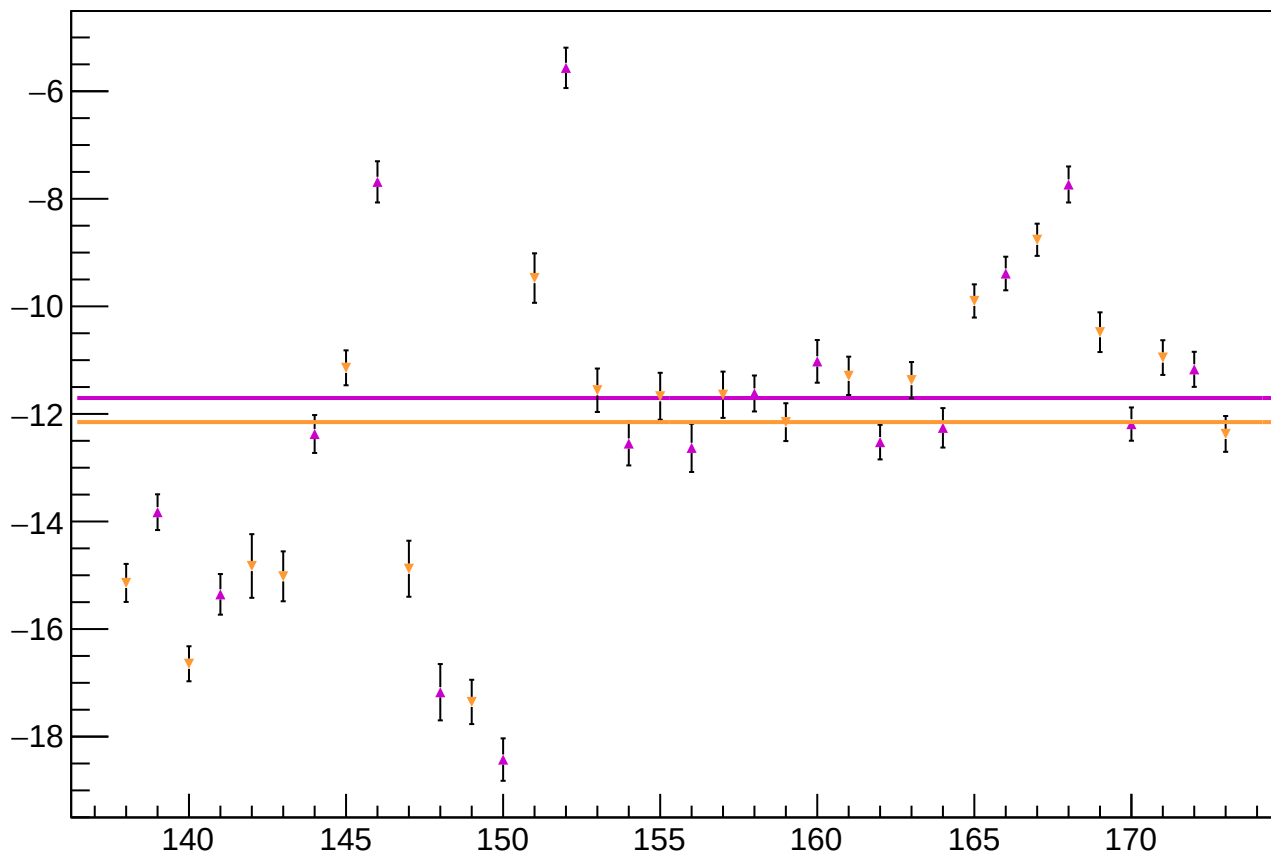
Right: -0.532 ± 0.015 χ^2/NDF : 869.9/35

In: -0.451 ± 0.008 χ^2/NDF : 1447.7/33

Out: -0.471 ± 0.008 χ^2/NDF : 1124.3/37

All: -0.462 ± 0.006 χ^2/NDF : 2574.9/71

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: -12.152+/-0.085 χ^2/NDF :783.5/18

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

Left In: -11.704+/-0.088 χ^2/NDF :1135.3/16

Left: -11.934+/-0.061 χ^2/NDF : 1932.3/35

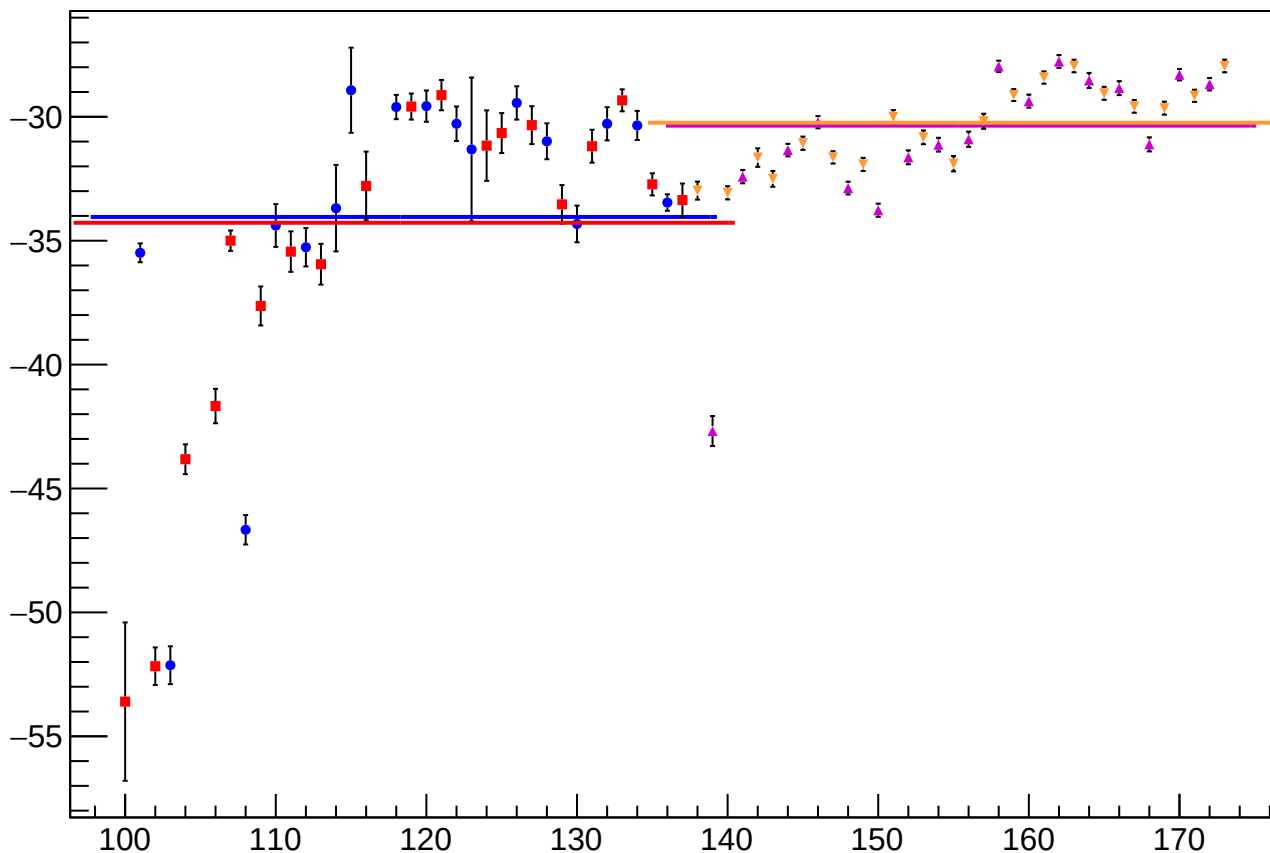
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -11.704+/-0.088 χ^2/NDF :1135.3/16

Out: -12.152+/-0.085 χ^2/NDF :783.5/18

All: -11.934+/-0.061 χ^2/NDF : 1932.3/35

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: -30.239 ± 0.063 χ^2/NDF : 632.8/18

Right Out: -34.277 ± 0.151 χ^2/NDF : 1349.5/18

Left In: -30.356 ± 0.066 χ^2/NDF : 1195.7/16

Left: -30.295 ± 0.045 χ^2/NDF : 1830.1/35

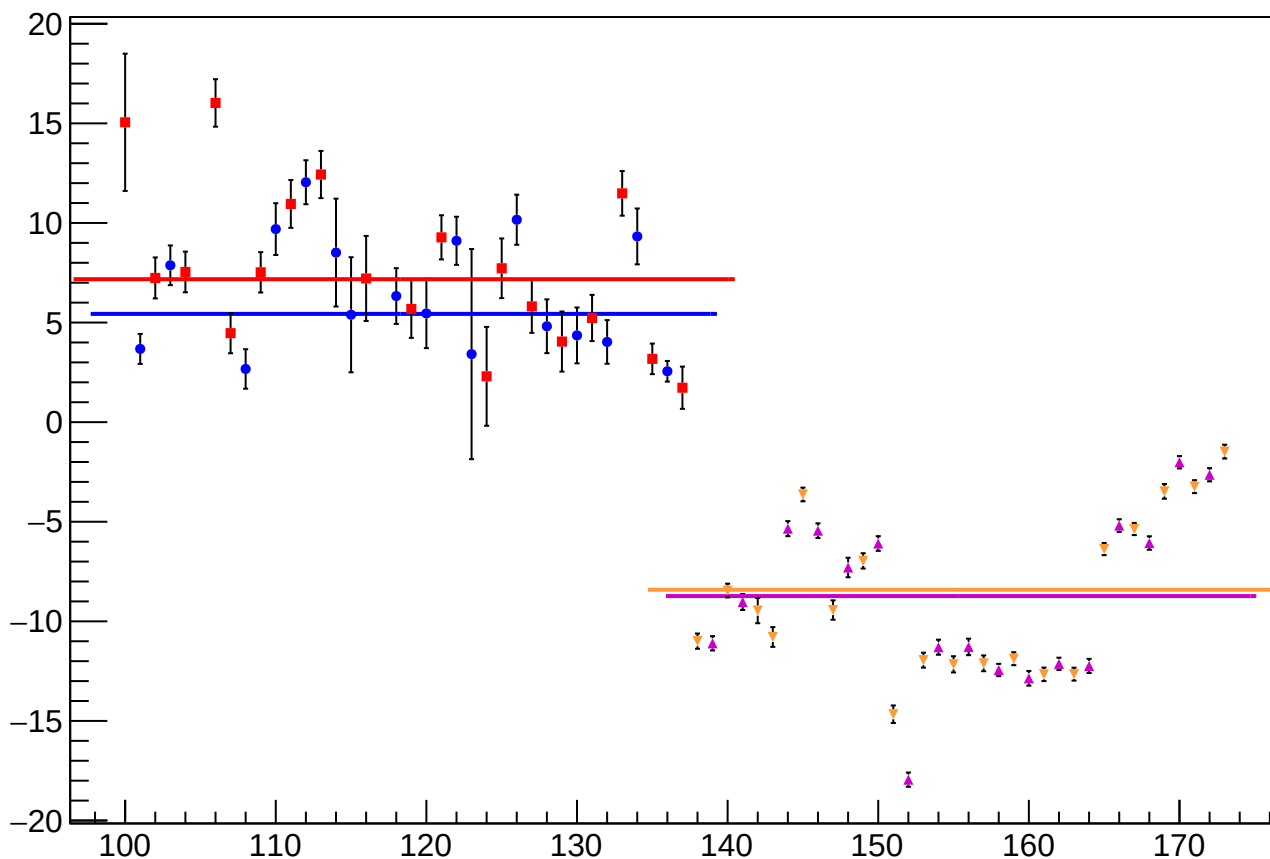
Right: -34.159 ± 0.107 χ^2/NDF : 2691.4/35

In: -30.944 ± 0.060 χ^2/NDF : 3039.2/33

Out: -30.835 ± 0.058 χ^2/NDF : 2593.2/37

All: -30.888 ± 0.042 χ^2/NDF : 5634.1/71

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: -8.413 ± 0.085 $\chi^2/\text{NDF}: 2161.2/18$

Right Out: 7.177 ± 0.274 $\chi^2/\text{NDF}: 182.6/18$

Left In: -8.732 ± 0.086 $\chi^2/\text{NDF}: 2483.5/16$

Left: -8.569 ± 0.060 $\chi^2/\text{NDF}: 4651.6/35$

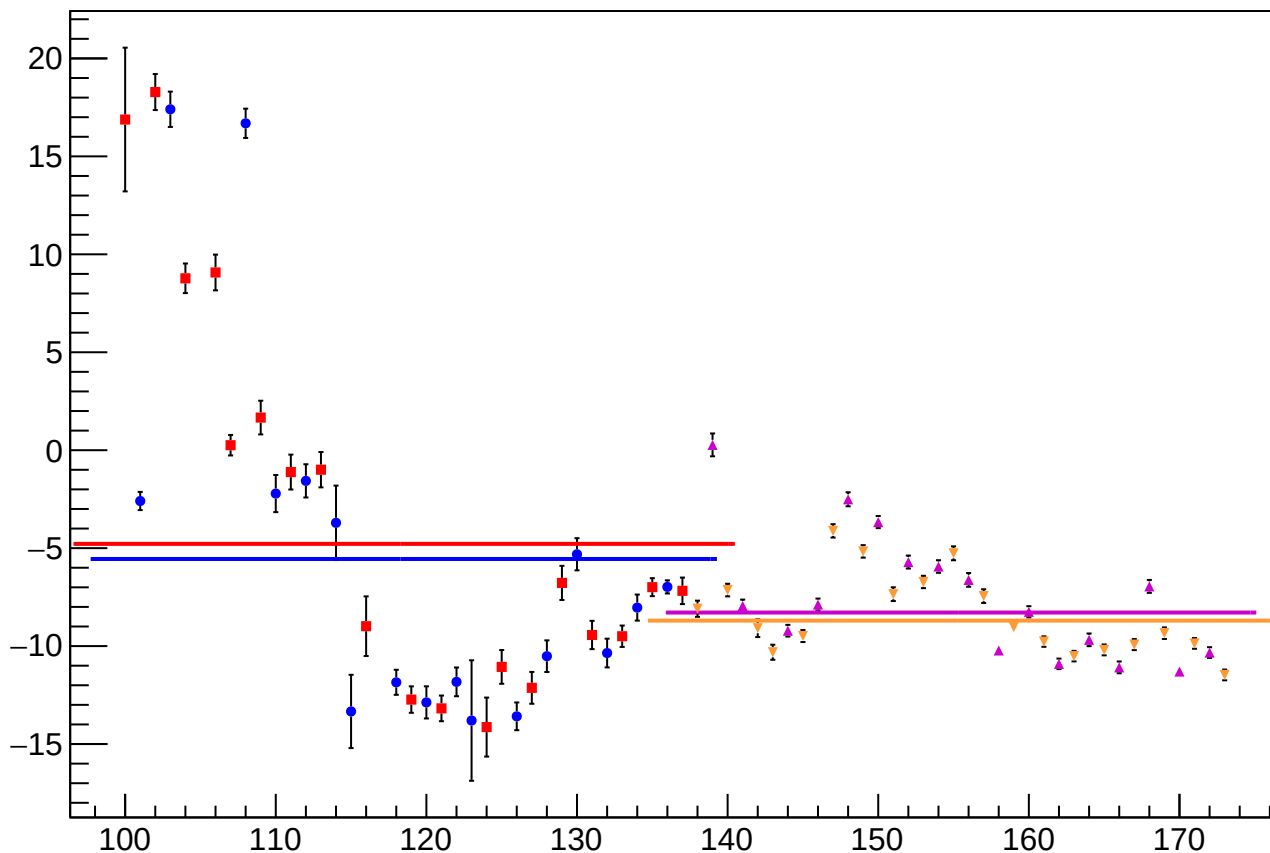
Right: 6.291 ± 0.192 $\chi^2/\text{NDF}: 335.1/35$

In: -7.417 ± 0.082 $\chi^2/\text{NDF}: 5121.0/33$

Out: -7.058 ± 0.081 $\chi^2/\text{NDF}: 5296.4/37$

All: -7.235 ± 0.058 $\chi^2/\text{NDF}: 10427.0/71$

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.553 ± 0.170 χ^2/NDF : 2125.3/16

Left Out: -8.699 ± 0.071 χ^2/NDF : 746.7/18

Right Out: -4.782 ± 0.173 χ^2/NDF : 2040.4/18

Left In: -8.287 ± 0.074 χ^2/NDF : 1326.5/16

Left: -8.502 ± 0.051 χ^2/NDF : 2089.2/35

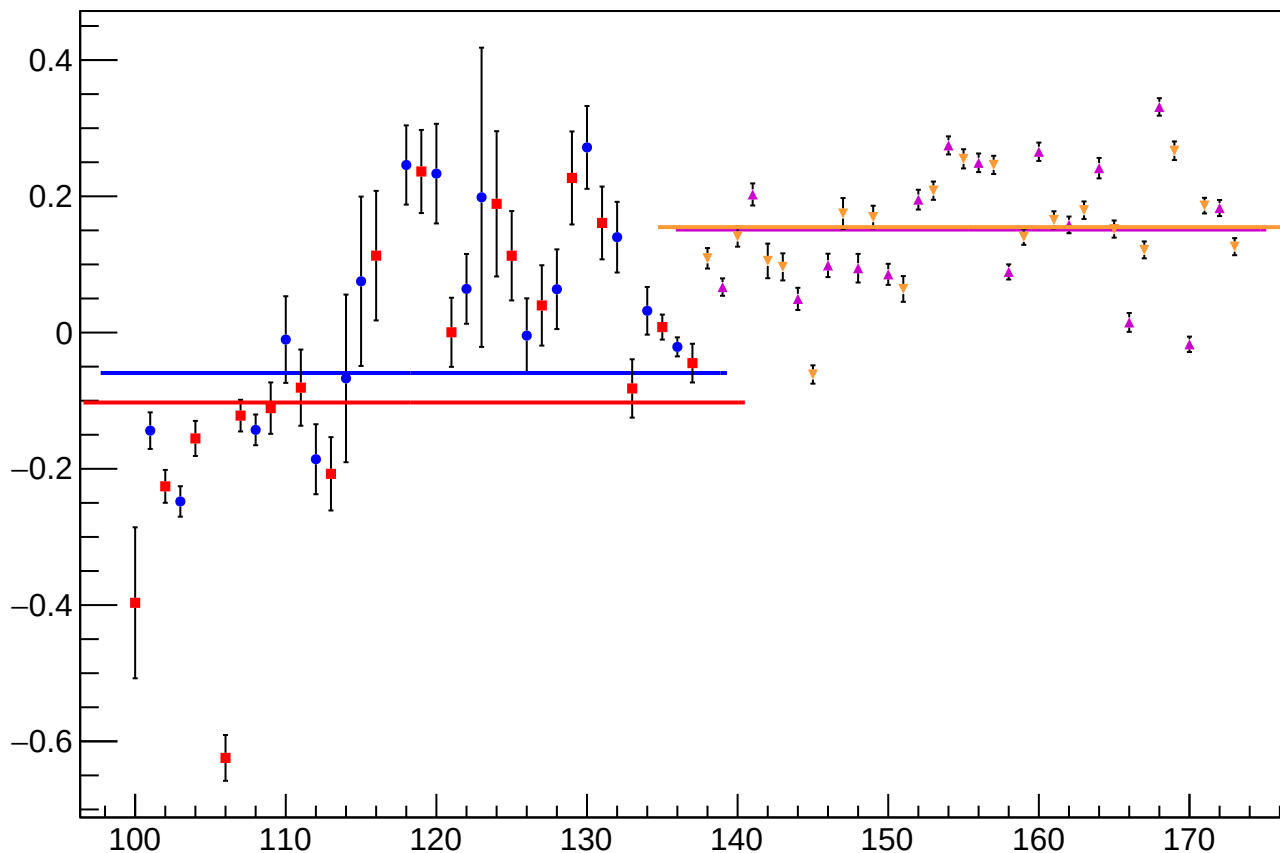
Right: -5.174 ± 0.121 χ^2/NDF : 4175.8/35

In: -7.849 ± 0.068 χ^2/NDF : 3669.3/33

Out: -8.130 ± 0.066 χ^2/NDF : 3226.1/37

All: -7.994 ± 0.047 χ^2/NDF : 6904.2/71

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: 0.155 ± 0.003 χ^2/NDF : 512.8/18

Right Out: -0.103 ± 0.008 χ^2/NDF : 435.5/18

Left In: 0.151 ± 0.003 χ^2/NDF : 939.1/16

Left: 0.153 ± 0.002 χ^2/NDF : 1452.5/35

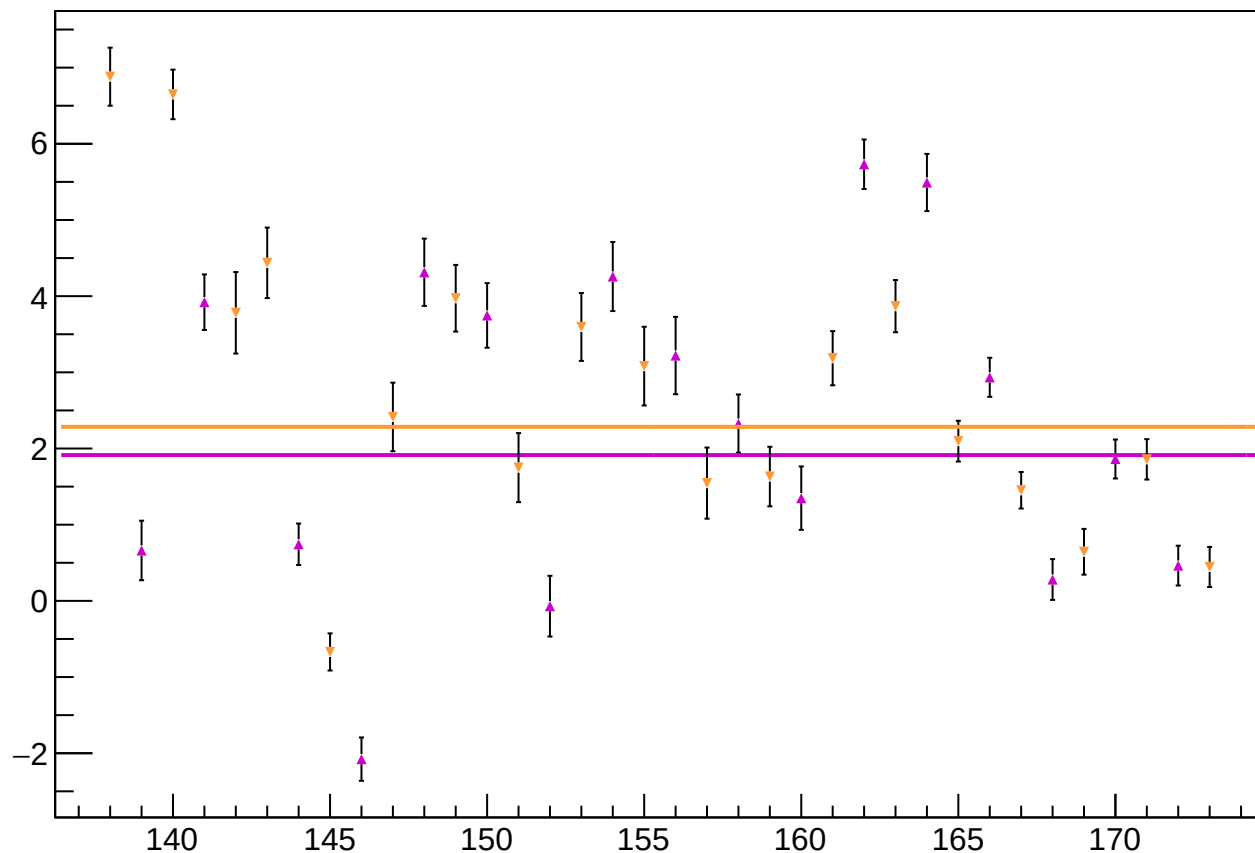
Right: -0.081 ± 0.006 χ^2/NDF : 666.4/35

In: 0.123 ± 0.003 χ^2/NDF : 1701.0/33

Out: 0.121 ± 0.003 χ^2/NDF : 1762.3/37

All: 0.122 ± 0.002 χ^2/NDF : 3463.3/71

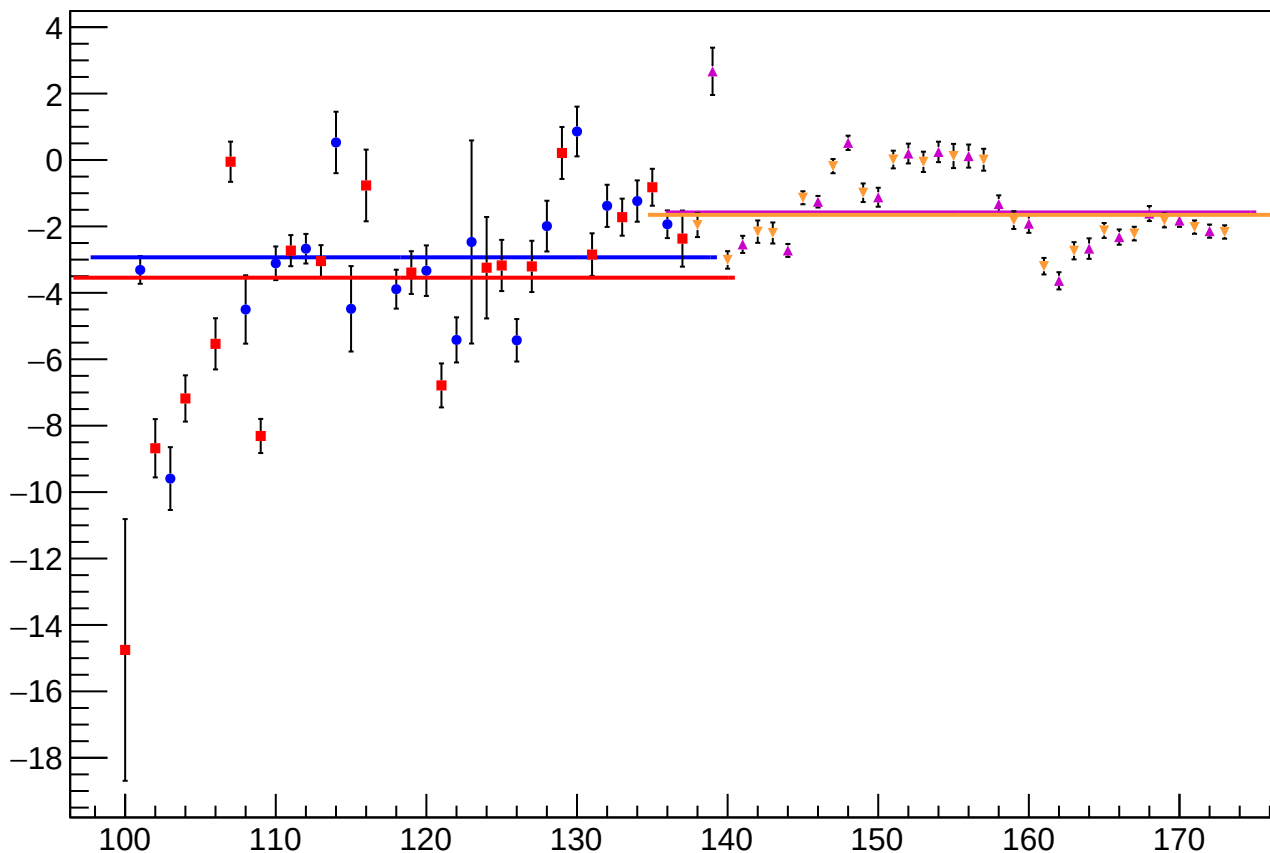
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 2.284 $\pm$ 0.078 χ^2 /NDF:656.1/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 1.914 $\pm$ 0.081 χ^2 /NDF:677.8/16

Left: 2.105 $\pm$ 0.056 χ^2 /NDF: 1344.8/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 1.914 $\pm$ 0.081 χ^2 /NDF:677.8/16
 Out: 2.284 $\pm$ 0.078 χ^2 /NDF:656.1/18
 All: 2.105 $\pm$ 0.056 χ^2 /NDF: 1344.8/35

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.930 ± 0.154 $\chi^2/\text{NDF}: 146.5/16$

Left Out: -1.651 ± 0.058 $\chi^2/\text{NDF}: 286.0/18$

Right Out: -3.544 ± 0.155 $\chi^2/\text{NDF}: 291.7/18$

Left In: -1.580 ± 0.059 $\chi^2/\text{NDF}: 376.9/16$

Left: -1.617 ± 0.041 $\chi^2/\text{NDF}: 663.7/35$

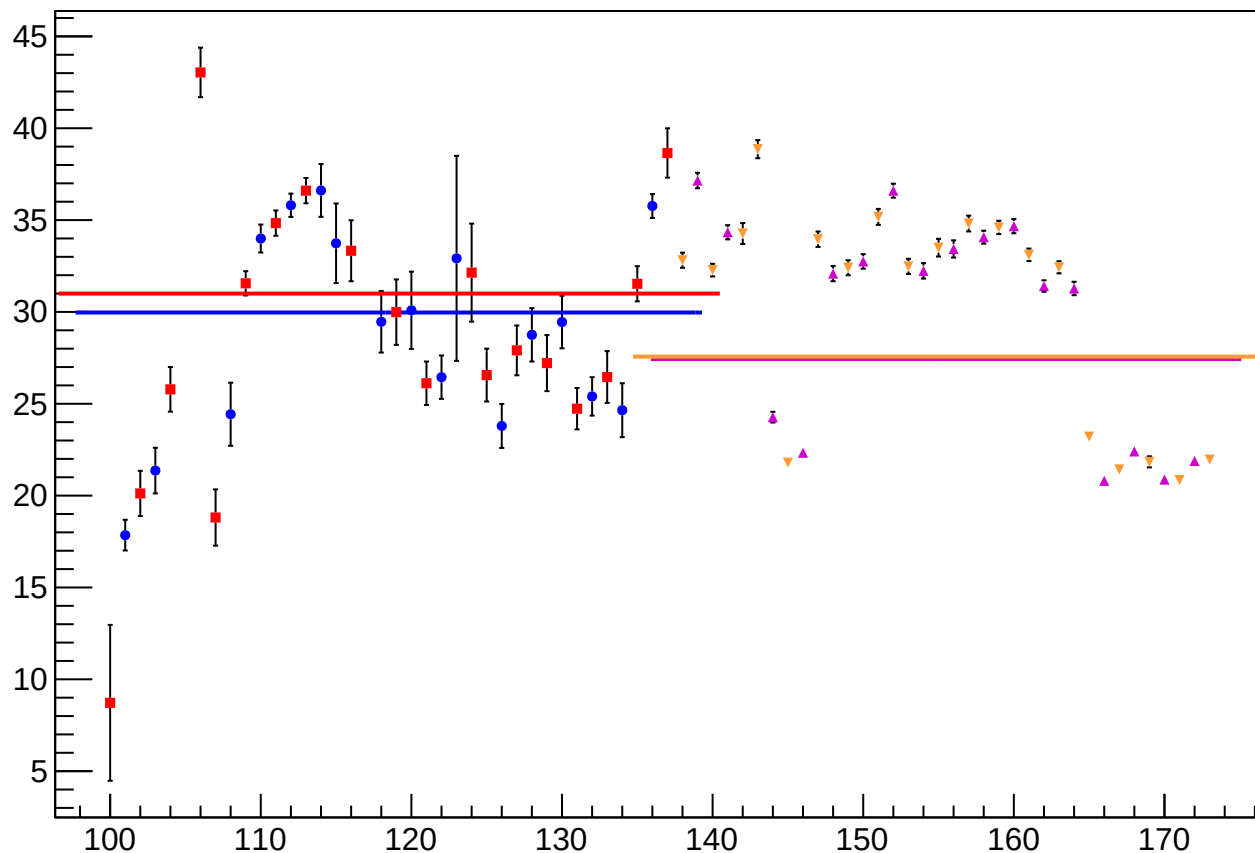
Right: -3.236 ± 0.109 $\chi^2/\text{NDF}: 446.1/35$

In: -1.754 ± 0.055 $\chi^2/\text{NDF}: 590.5/33$

Out: -1.881 ± 0.054 $\chi^2/\text{NDF}: 709.3/37$

All: -1.820 ± 0.039 $\chi^2/\text{NDF}: 1302.5/71$

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: 27.566 $\pm$ 0.078 χ^2 /NDF: 5922.5/18

Right Out: 31.000 $\pm$ 0.260 χ^2 /NDF: 479.5/18

Left In: 27.433 $\pm$ 0.080 χ^2 /NDF: 5542.9/16

Left: 27.501 $\pm$ 0.056 χ^2 /NDF: 11466.9/35

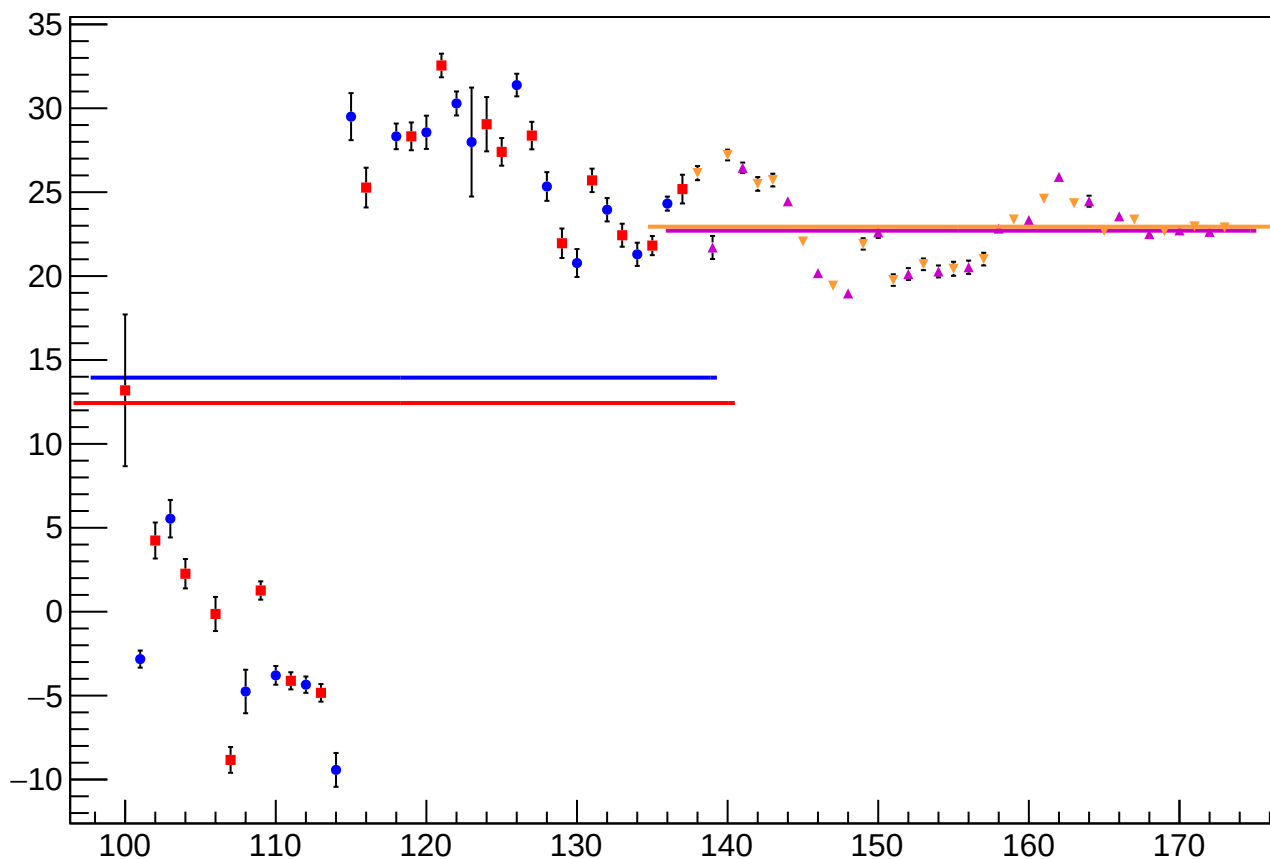
Right: 30.497 $\pm$ 0.186 χ^2 /NDF: 1041.5/35

In: 27.642 $\pm$ 0.077 χ^2 /NDF: 6180.2/33

Out: 27.852 $\pm$ 0.075 χ^2 /NDF: 6562.0/37

All: 27.749 $\pm$ 0.054 χ^2 /NDF: 12746.0/71

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: 22.945 $\pm$ 0.065 χ^2 /NDF:757.1/18

Right Out: 12.435 $\pm$ 0.174 χ^2 /NDF: 6962.9/18

Left In: 22.706 $\pm$ 0.068 χ^2 /NDF:807.8/16

Left: 22.830 $\pm$ 0.047 χ^2 /NDF: 1571.3/35

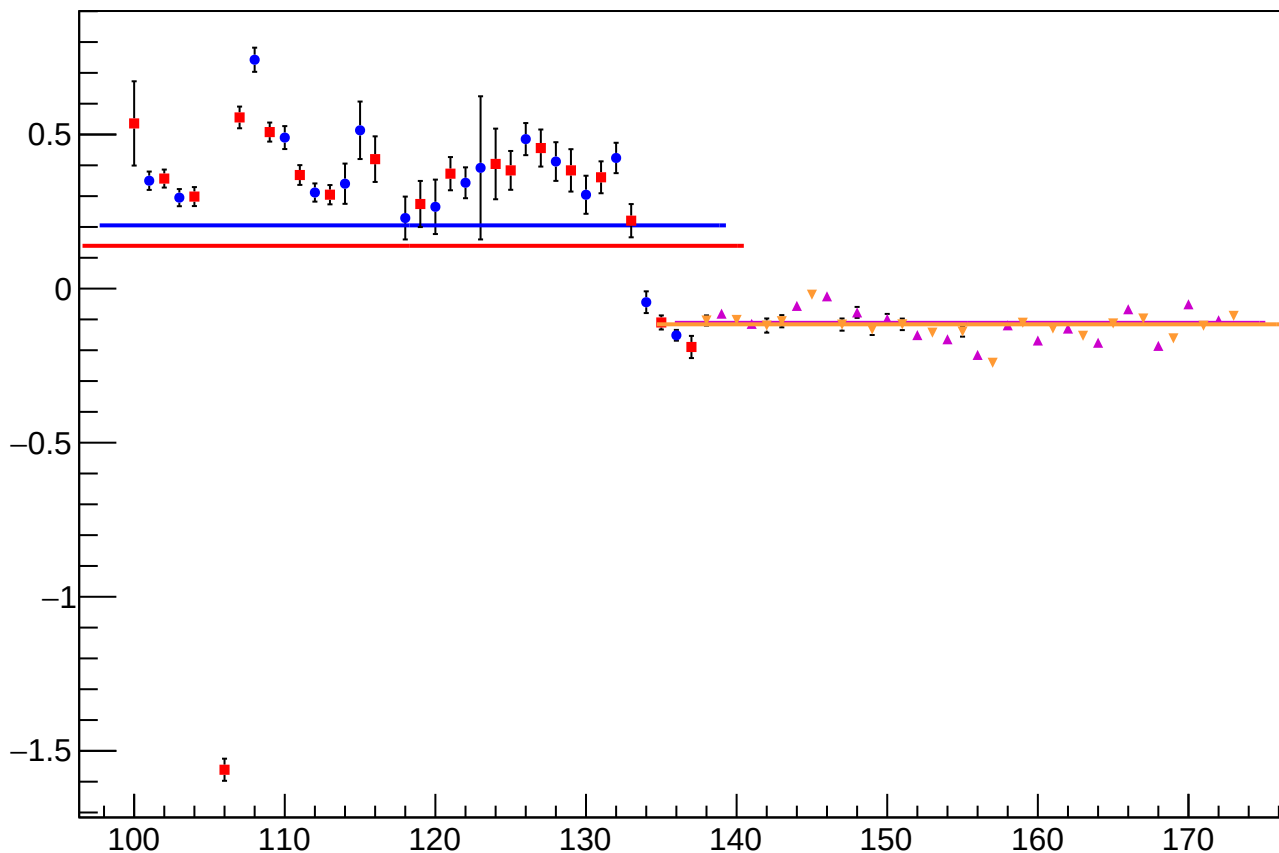
Right: 13.199 $\pm$ 0.122 χ^2 /NDF: 14393.1/35

In: 21.524 $\pm$ 0.063 χ^2 /NDF:10443.3/33

Out: 21.638 $\pm$ 0.061 χ^2 /NDF:10926.6/37

All: 21.583 $\pm$ 0.044 χ^2 /NDF: 21371.6/71

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 ± 0.009 χ^2/NDF : 846.2/16

Left Out: -0.116 ± 0.003 χ^2/NDF : 209.0/18

Right Out: 0.139 ± 0.009 χ^2/NDF : 3016.8/18

Left In: -0.111 ± 0.003 χ^2/NDF : 285.5/16

Left: -0.114 ± 0.002 χ^2/NDF : 495.7/35

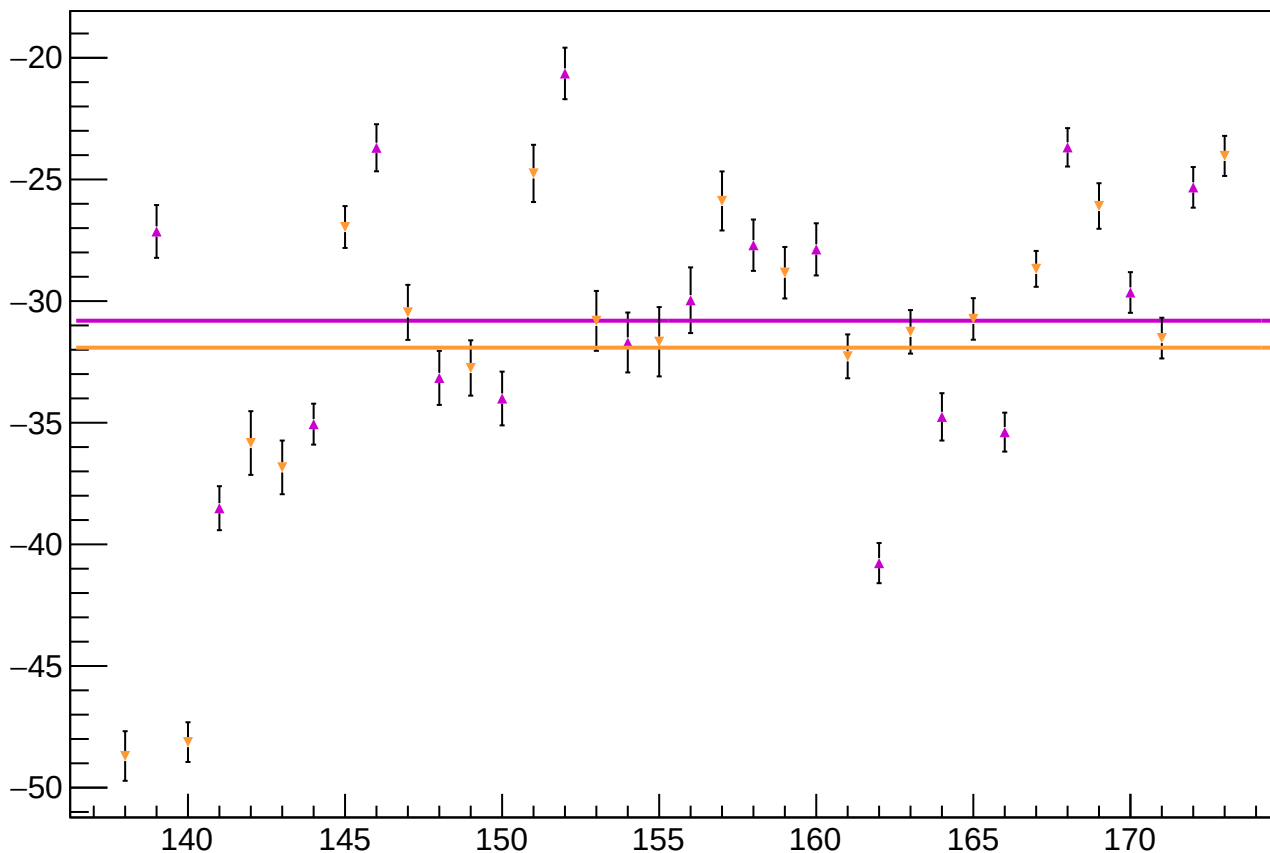
Right: 0.171 ± 0.007 χ^2/NDF : 3888.5/35

In: -0.079 ± 0.003 χ^2/NDF : 2159.0/33

Out: -0.091 ± 0.003 χ^2/NDF : 3918.9/37

All: -0.086 ± 0.002 χ^2/NDF : 6086.0/71

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: -31.914+/-0.224 χ^2/NDF : 953.2/18

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

Left In: -30.806+/-0.232 χ^2/NDF : 607.1/16

Left: -31.379+/-0.161 χ^2/NDF : 1572.1/35

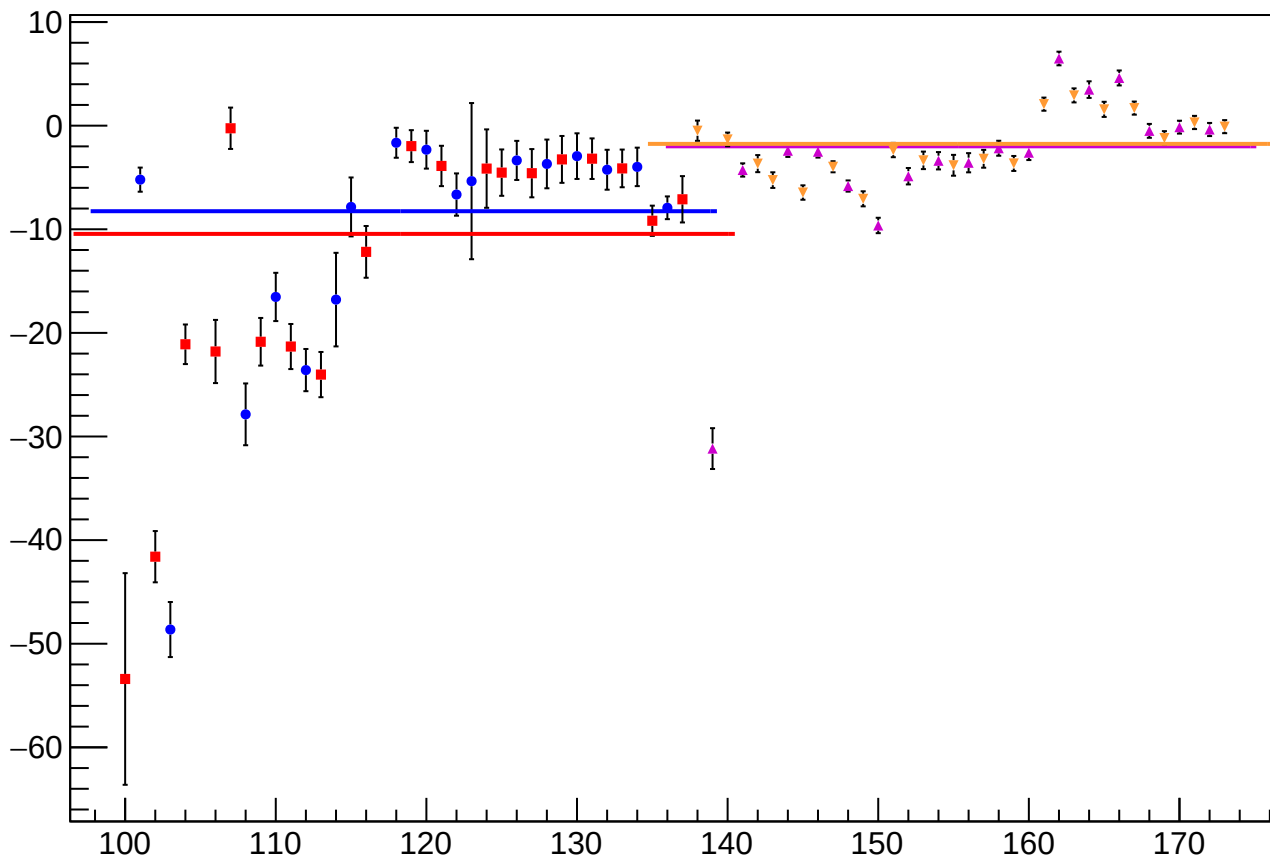
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -30.806+/-0.232 χ^2/NDF : 607.1/16

Out: -31.914+/-0.224 χ^2/NDF : 953.2/18

All: -31.379+/-0.161 χ^2/NDF : 1572.1/35

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.257 ± 0.462 $\chi^2/\text{NDF}: 412.1/16$

Left Out: -1.759 ± 0.162 $\chi^2/\text{NDF}: 315.8/18$

Right Out: -10.446 ± 0.491 $\chi^2/\text{NDF}: 428.4/18$

Left In: -1.994 ± 0.169 $\chi^2/\text{NDF}: 724.8/16$

Left: -1.871 ± 0.117 $\chi^2/\text{NDF}: 1041.7/35$

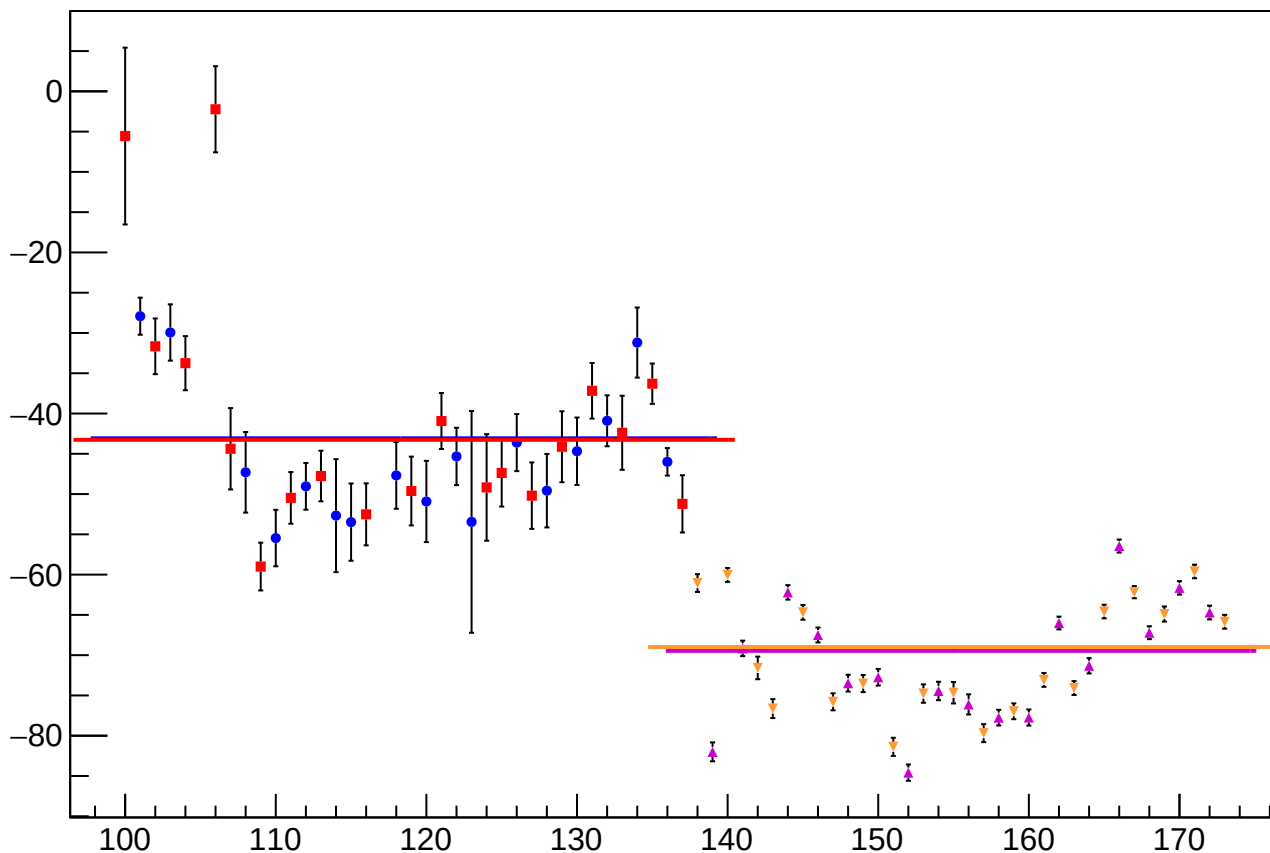
Right: -9.285 ± 0.337 $\chi^2/\text{NDF}: 851.1/35$

In: -2.734 ± 0.159 $\chi^2/\text{NDF}: 1298.9/33$

Out: -2.613 ± 0.154 $\chi^2/\text{NDF}: 1026.3/37$

All: -2.671 ± 0.111 $\chi^2/\text{NDF}: 2325.5/71$

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

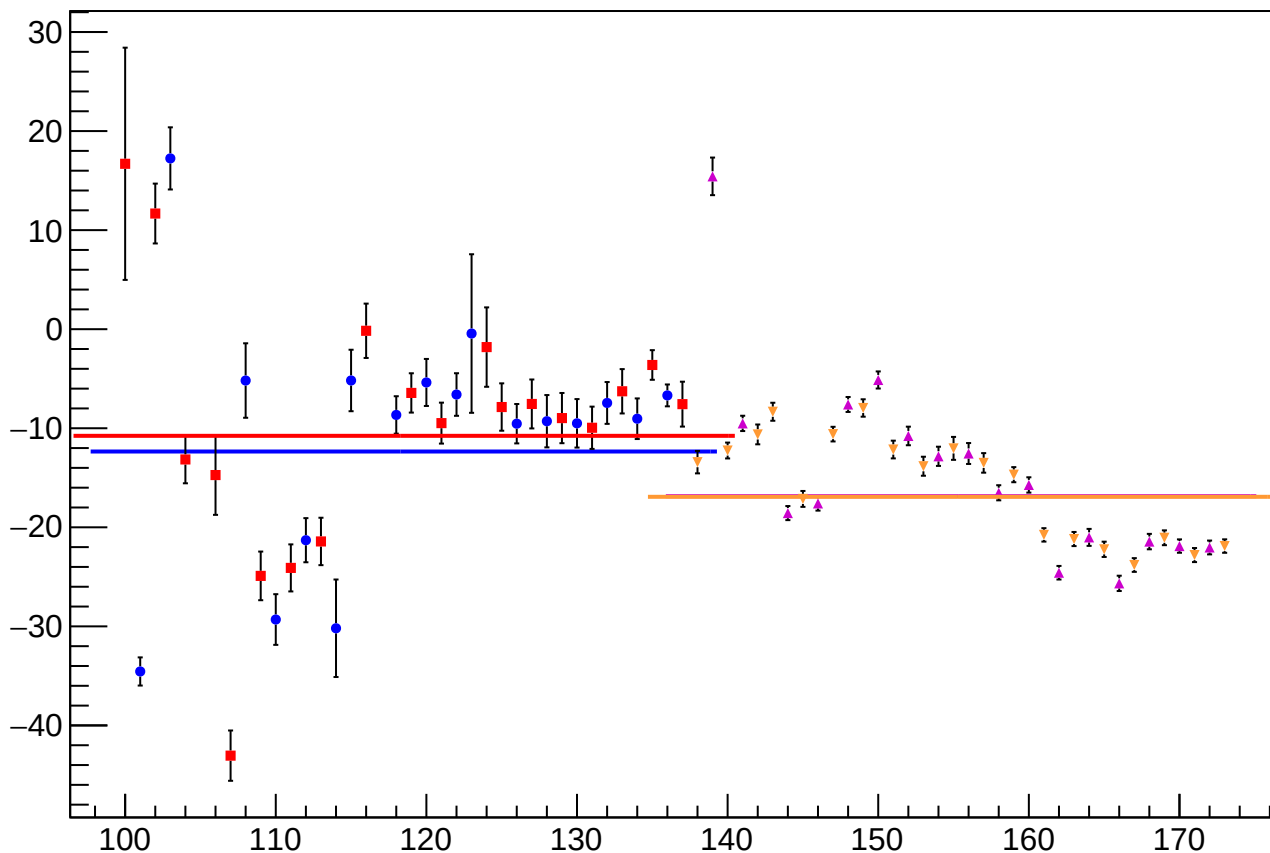


Right In: -43.082 ± 0.834 $\chi^2/\text{NDF}: 99.2/16$
 Left Out: -68.978 ± 0.223 $\chi^2/\text{NDF}: 929.4/18$
 Right Out: -43.262 ± 0.866 $\chi^2/\text{NDF}: 154.2/18$
 Left In: -69.459 ± 0.229 $\chi^2/\text{NDF}: 1024.4/16$

Left: -69.213 ± 0.160 $\chi^2/\text{NDF}: 1956.0/35$
 Right: -43.169 ± 0.601 $\chi^2/\text{NDF}: 253.4/35$
 In: -67.611 ± 0.221 $\chi^2/\text{NDF}: 2053.2/33$
 Out: -67.376 ± 0.216 $\chi^2/\text{NDF}: 1909.6/37$

All: -67.491 ± 0.155 $\chi^2/\text{NDF}: 3963.4/71$

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: -16.921 ± 0.186 $\chi^2/\text{NDF}: 793.8/18$

Right Out: -10.765 ± 0.554 $\chi^2/\text{NDF}: 366.6/18$

Left In: -16.859 ± 0.194 $\chi^2/\text{NDF}: 1224.7/16$

Left: -16.891 ± 0.134 $\chi^2/\text{NDF}: 2018.6/35$

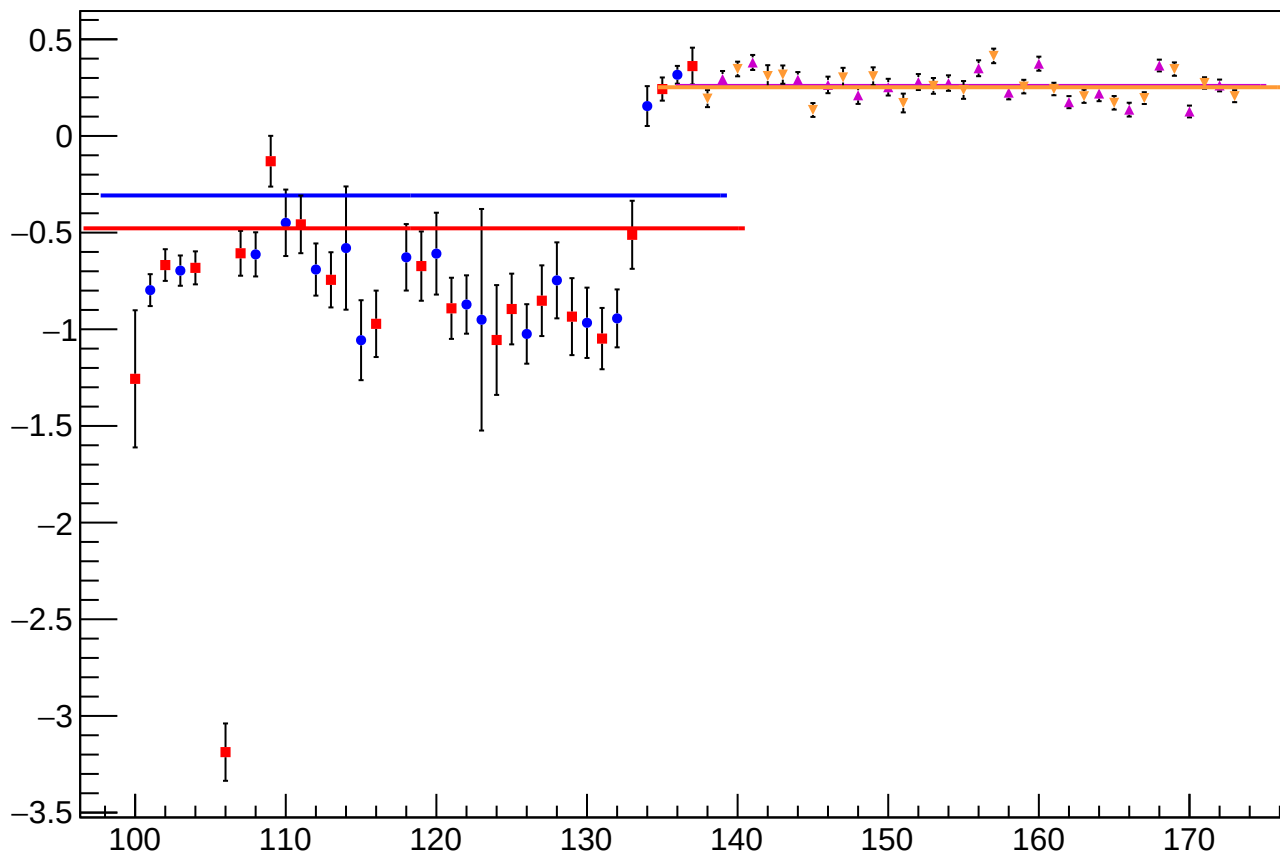
Right: -11.606 ± 0.379 $\chi^2/\text{NDF}: 846.9/35$

In: -16.305 ± 0.182 $\chi^2/\text{NDF}: 1766.7/33$

Out: -16.296 ± 0.176 $\chi^2/\text{NDF}: 1271.6/37$

All: -16.301 ± 0.127 $\chi^2/\text{NDF}: 3038.3/71$

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: 0.252 ± 0.009 χ^2/NDF : 66.4/18

Right Out: -0.478 ± 0.029 χ^2/NDF : 631.2/18

Left In: 0.259 ± 0.009 χ^2/NDF : 79.3/16

Left: 0.255 ± 0.006 χ^2/NDF : 146.0/35

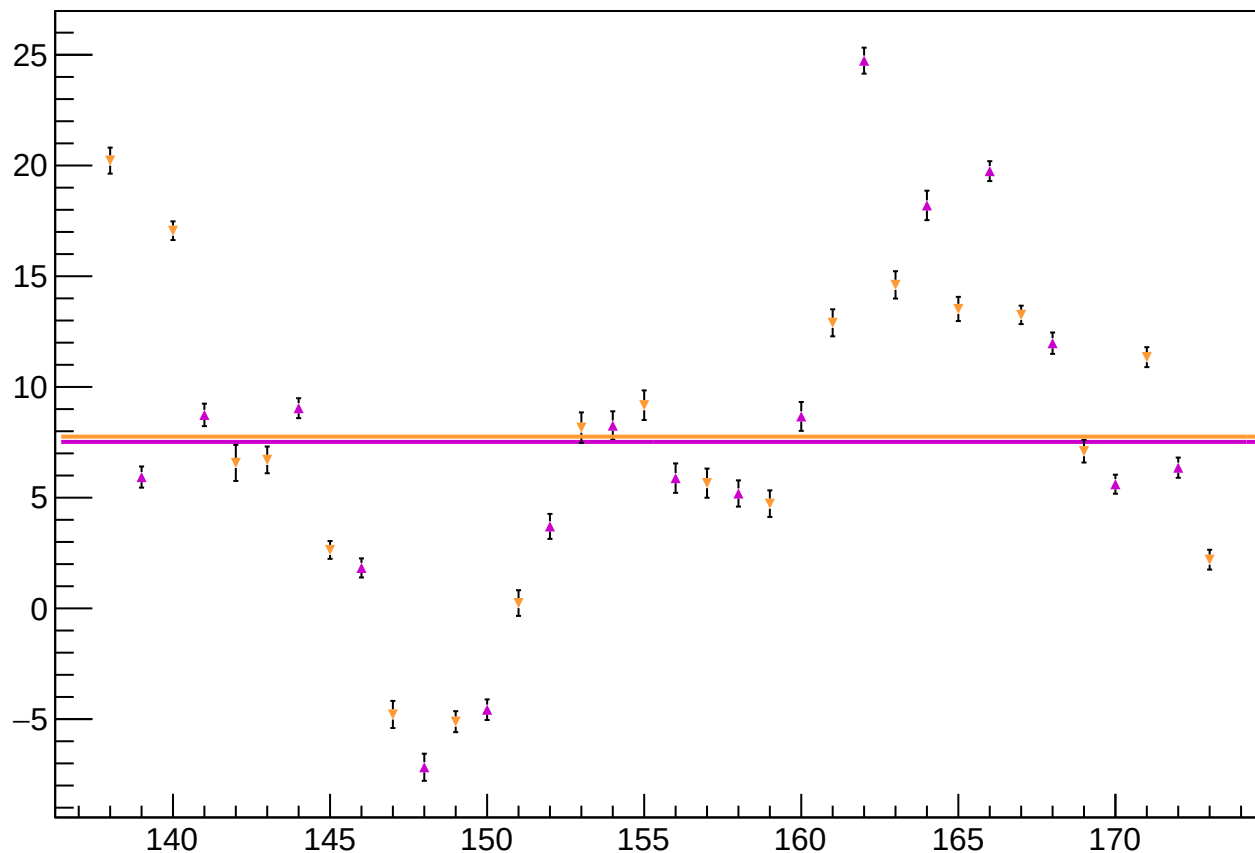
Right: -0.390 ± 0.020 χ^2/NDF : 1022.0/35

In: 0.205 ± 0.009 χ^2/NDF : 835.3/33

Out: 0.190 ± 0.008 χ^2/NDF : 1296.6/37

All: 0.197 ± 0.006 χ^2/NDF : 2133.3/71

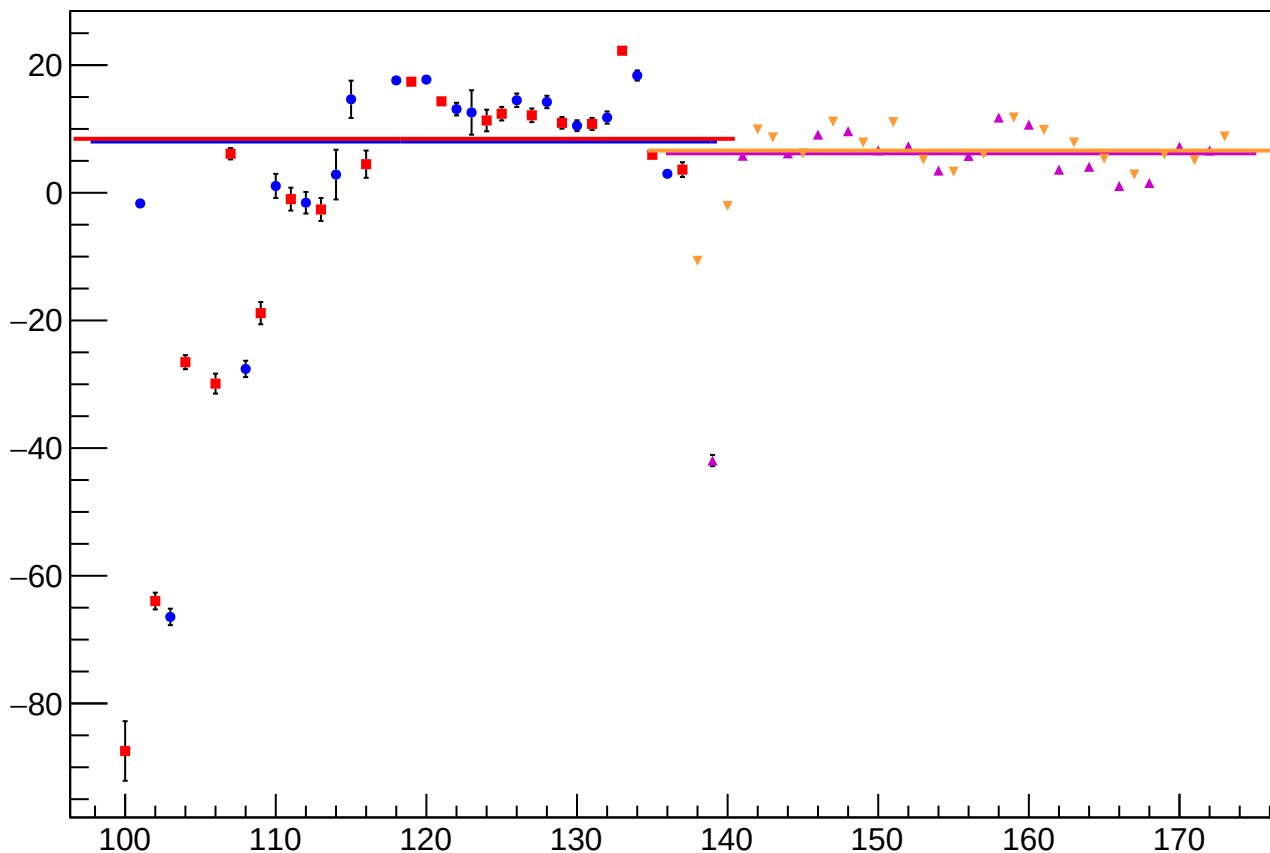
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 7.756+/-0.122 χ^2/NDF :3168.9/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 7.518+/-0.125 χ^2/NDF :3497.7/16

Left: 7.640+/-0.088 χ^2/NDF : 6668.5/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 7.518+/-0.125 χ^2/NDF :3497.7/16
 Out: 7.756+/-0.122 χ^2/NDF :3168.9/18
 All: 7.640+/-0.088 χ^2/NDF : 6668.5/35

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: 6.619 ± 0.089 $\chi^2/\text{NDF}: 2405.0/18$

Right Out: 8.454 ± 0.213 $\chi^2/\text{NDF}: 6704.4/18$

Left In: 6.185 ± 0.092 $\chi^2/\text{NDF}: 3927.7/16$

Left: 6.410 ± 0.064 $\chi^2/\text{NDF}: 6344.2/35$

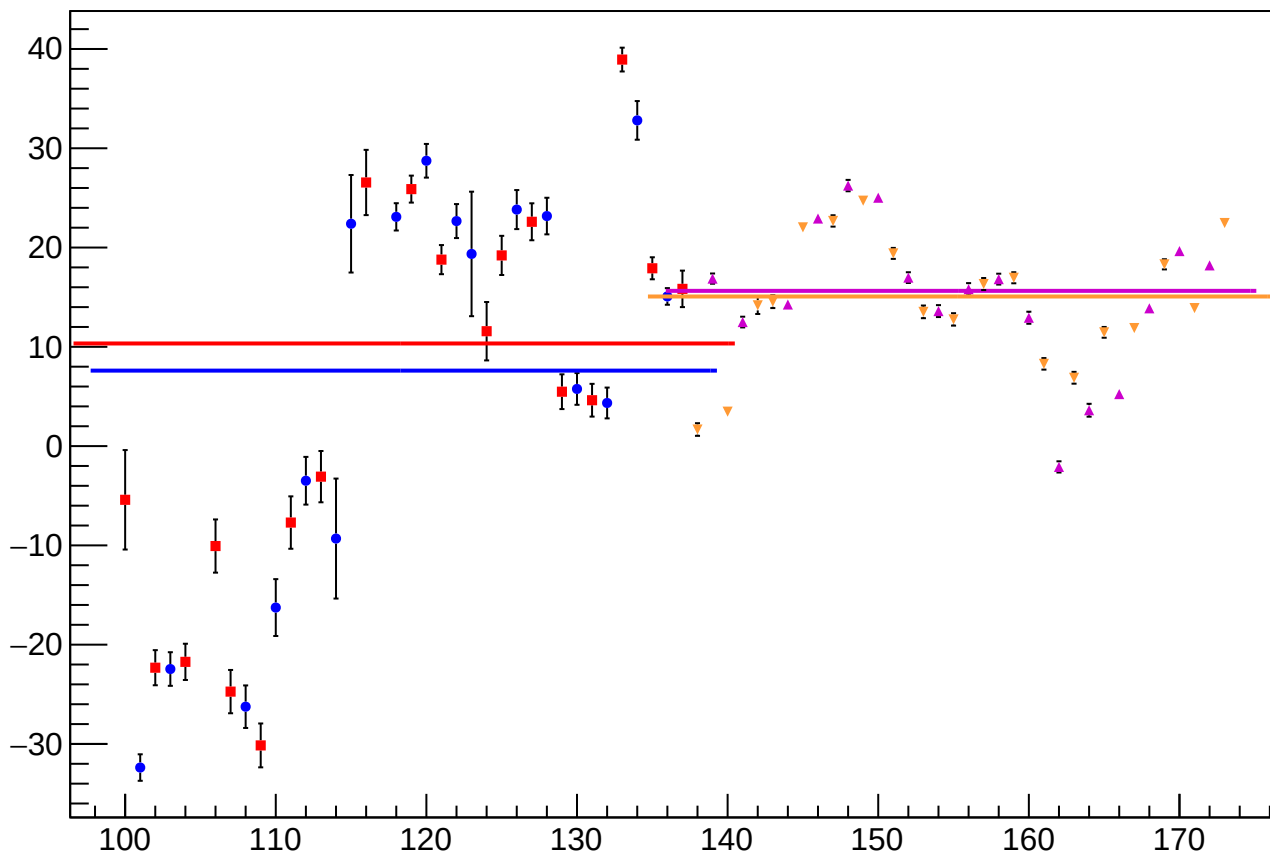
Right: 8.247 ± 0.151 $\chi^2/\text{NDF}: 12075.7/35$

In: 6.473 ± 0.085 $\chi^2/\text{NDF}: 9359.6/33$

Out: 6.890 ± 0.082 $\chi^2/\text{NDF}: 9172.5/37$

All: 6.689 ± 0.059 $\chi^2/\text{NDF}: 18544.7/71$

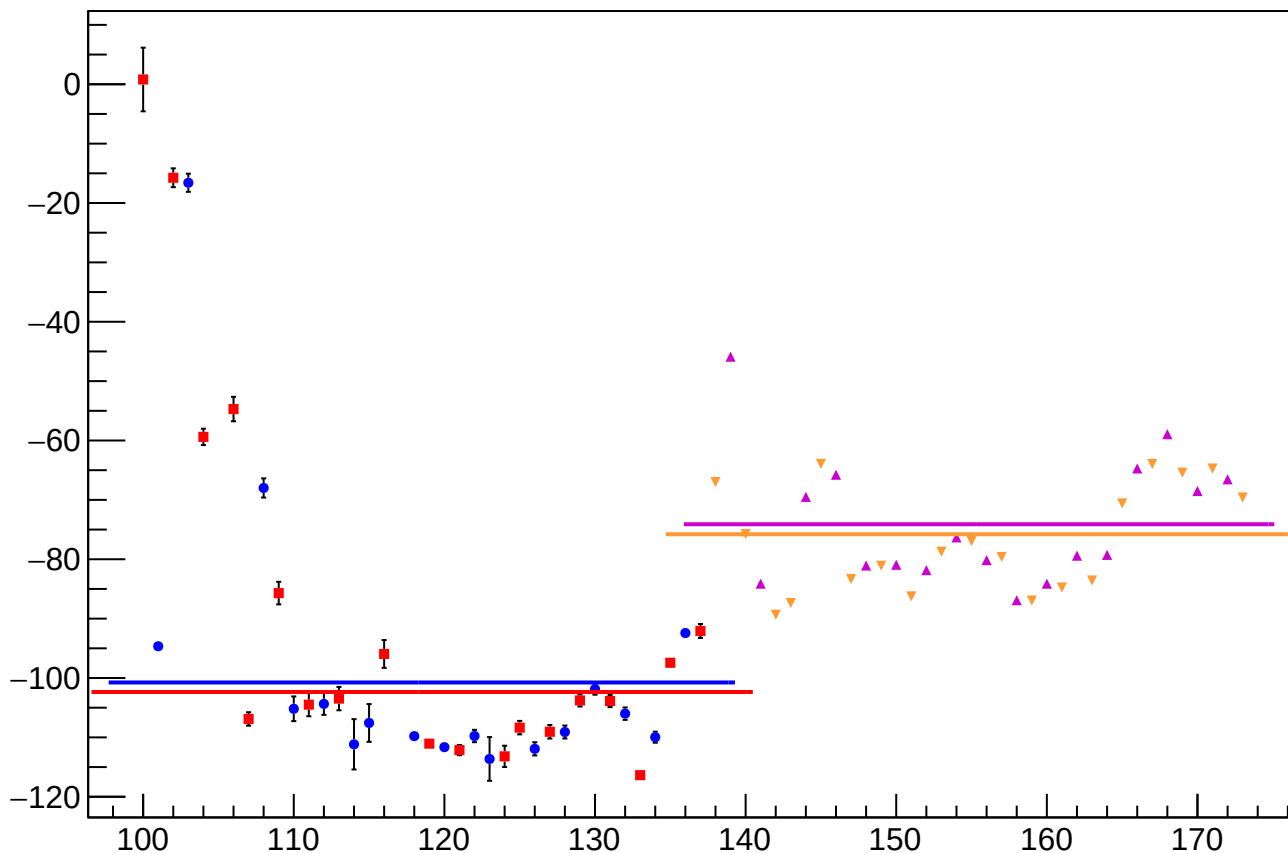
reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 7.604 $\pm$ 0.416 χ^2/NDF : 2325.0/16
 Left Out: 15.069 $\pm$ 0.122 χ^2/NDF :2850.2/18
 Right Out: 10.337 $\pm$ 0.416 χ^2/NDF : 2281.8/18
 Left In: 15.638 $\pm$ 0.124 χ^2/NDF :3181.4/16

Left: 15.349 $\pm$ 0.087 χ^2/NDF : 6042.3/35
 Right: 8.969 $\pm$ 0.294 χ^2/NDF : 4628.4/35
 In: 14.982 $\pm$ 0.119 χ^2/NDF :5849.3/33
 Out: 14.694 $\pm$ 0.117 χ^2/NDF :5250.9/37
 All: 14.836 $\pm$ 0.083 χ^2/NDF : 11103.2/71

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -100.753 ± 0.248 $\chi^2/\text{NDF}: 4522.6/16$

Left Out: -75.789 ± 0.102 $\chi^2/\text{NDF}: 7455.7/18$

Right Out: -102.354 ± 0.246 $\chi^2/\text{NDF}: 6078.9/18$

Left In: -74.105 ± 0.106 $\chi^2/\text{NDF}: 7054.4/16$

Left: -74.979 ± 0.074 $\chi^2/\text{NDF}: 14640.4/35$

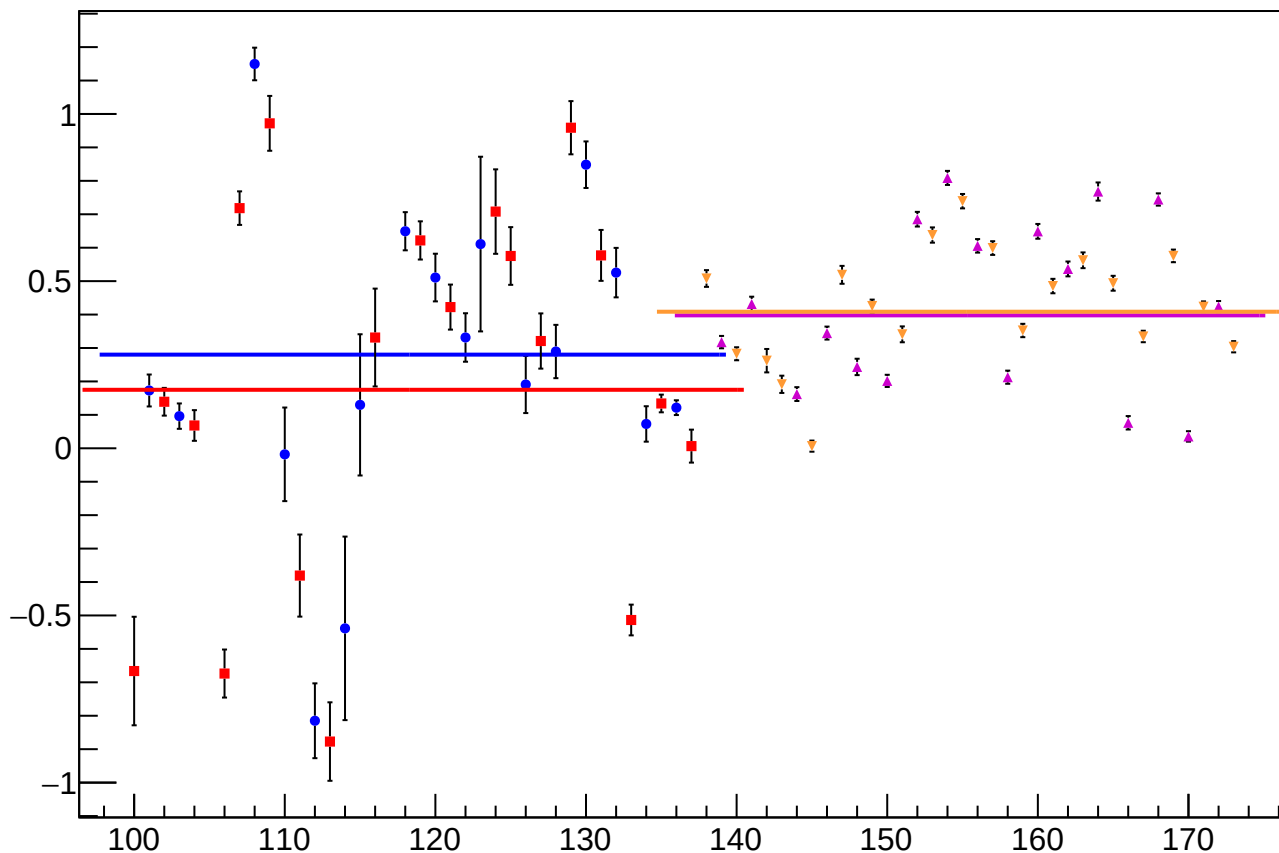
Right: -101.559 ± 0.175 $\chi^2/\text{NDF}: 10622.5/35$

In: -78.242 ± 0.098 $\chi^2/\text{NDF}: 21329.6/33$

Out: -79.705 ± 0.095 $\chi^2/\text{NDF}: 23458.6/37$

All: -78.998 ± 0.068 $\chi^2/\text{NDF}: 44903.9/71$

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.280 ± 0.013 χ^2/NDF : 656.0/16

Left Out: 0.409 ± 0.005 χ^2/NDF : 1390.8/18

Right Out: 0.175 ± 0.013 χ^2/NDF : 966.7/18

Left In: 0.398 ± 0.005 χ^2/NDF : 2563.8/16

Left: 0.403 ± 0.003 χ^2/NDF : 3957.2/35

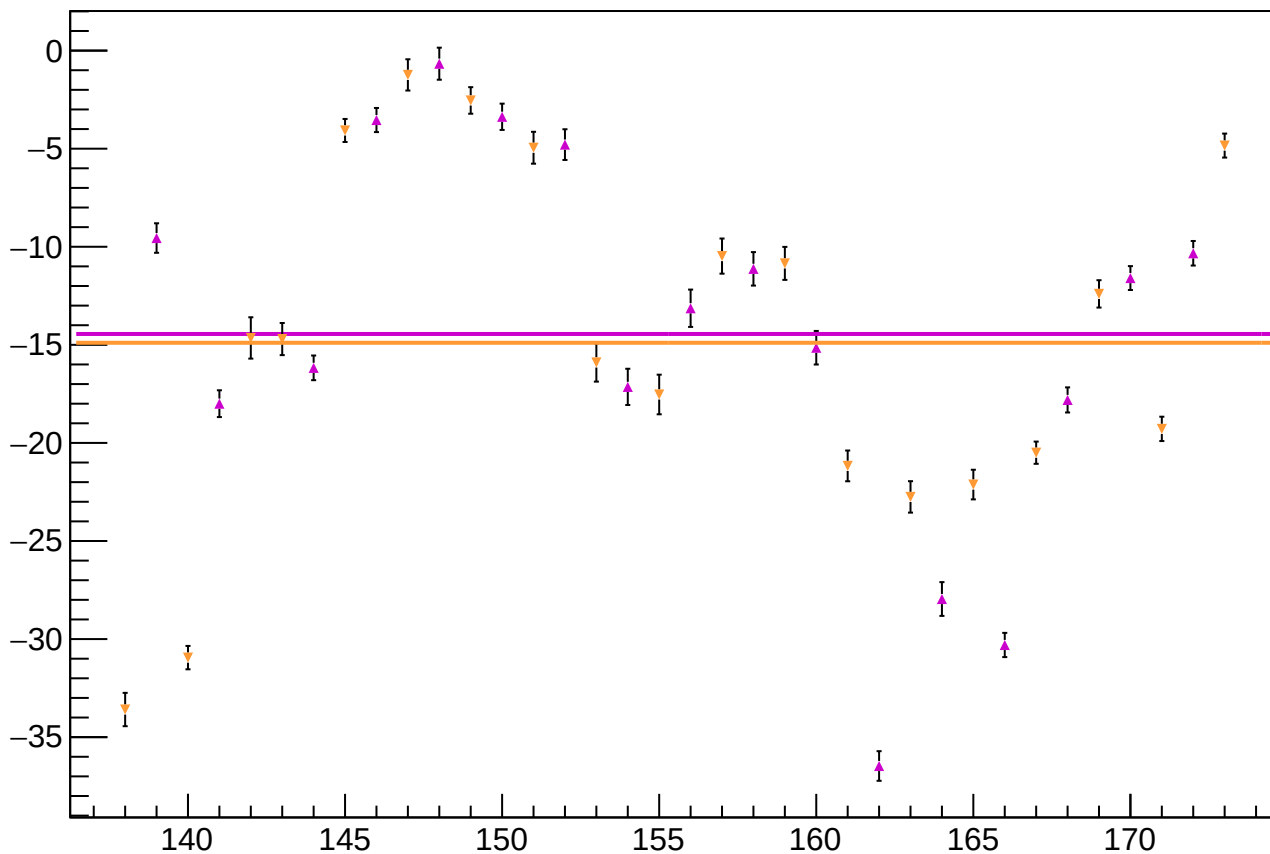
Right: 0.227 ± 0.010 χ^2/NDF : 1653.2/35

In: 0.384 ± 0.005 χ^2/NDF : 3287.2/33

Out: 0.383 ± 0.004 χ^2/NDF : 2626.0/37

All: 0.383 ± 0.003 χ^2/NDF : 5913.2/71

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



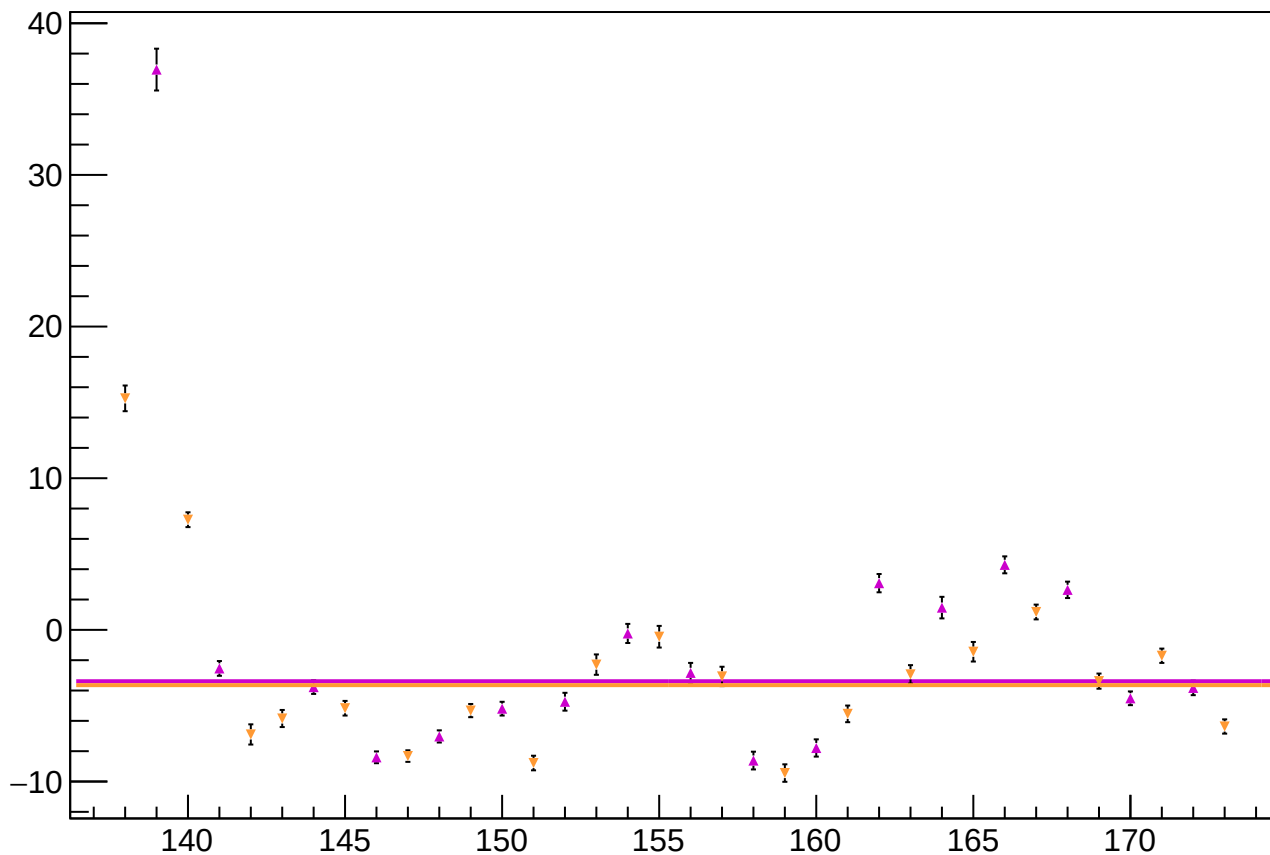
Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -14.894 $\pm$ 0.169 χ^2 /NDF:3064.6/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -14.446 $\pm$ 0.174 χ^2 /NDF:2975.7/16

Left: -14.677 $\pm$ 0.122 χ^2 /NDF: 6043.7/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -14.446 $\pm$ 0.174 χ^2 /NDF:2975.7/16
 Out: -14.894 $\pm$ 0.169 χ^2 /NDF:3064.6/18

All: -14.677 $\pm$ 0.122 χ^2 /NDF: 6043.7/35

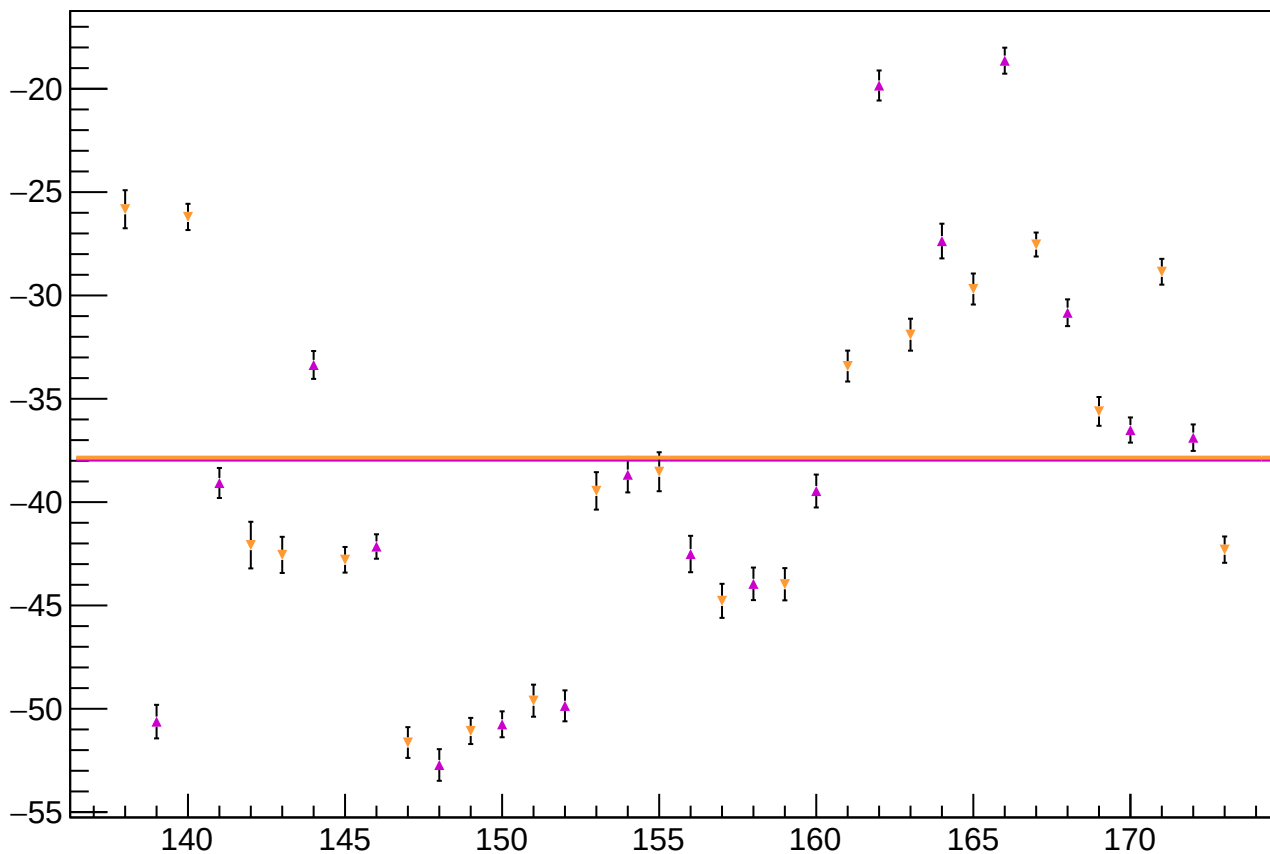
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -3.645+/-0.122 χ^2/NDF :1624.0/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.387+/-0.127 χ^2/NDF :1774.7/16

Left: -3.522+/-0.088 χ^2/NDF : 3400.9/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -3.387+/-0.127 χ^2/NDF :1774.7/16
 Out: -3.645+/-0.122 χ^2/NDF :1624.0/18
 All: -3.522+/-0.088 χ^2/NDF : 3400.9/35

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: -37.847+/-0.169 χ^2/NDF :2553.7/18

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

Left In: -37.943+/-0.172 χ^2/NDF :3323.7/16

Left: -37.894+/-0.121 χ^2/NDF : 5877.5/35

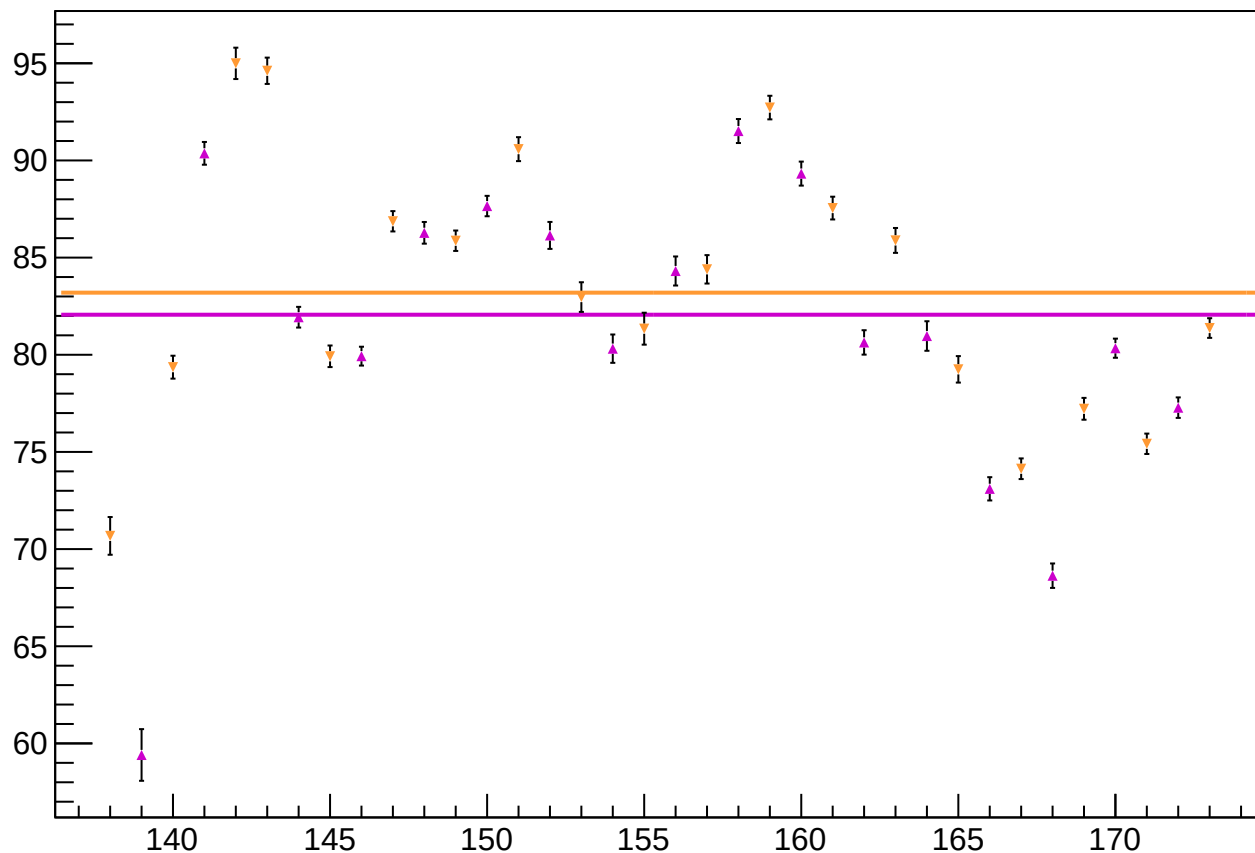
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -37.943+/-0.172 χ^2/NDF :3323.7/16

Out: -37.847+/-0.169 χ^2/NDF :2553.7/18

All: -37.894+/-0.121 χ^2/NDF : 5877.5/35

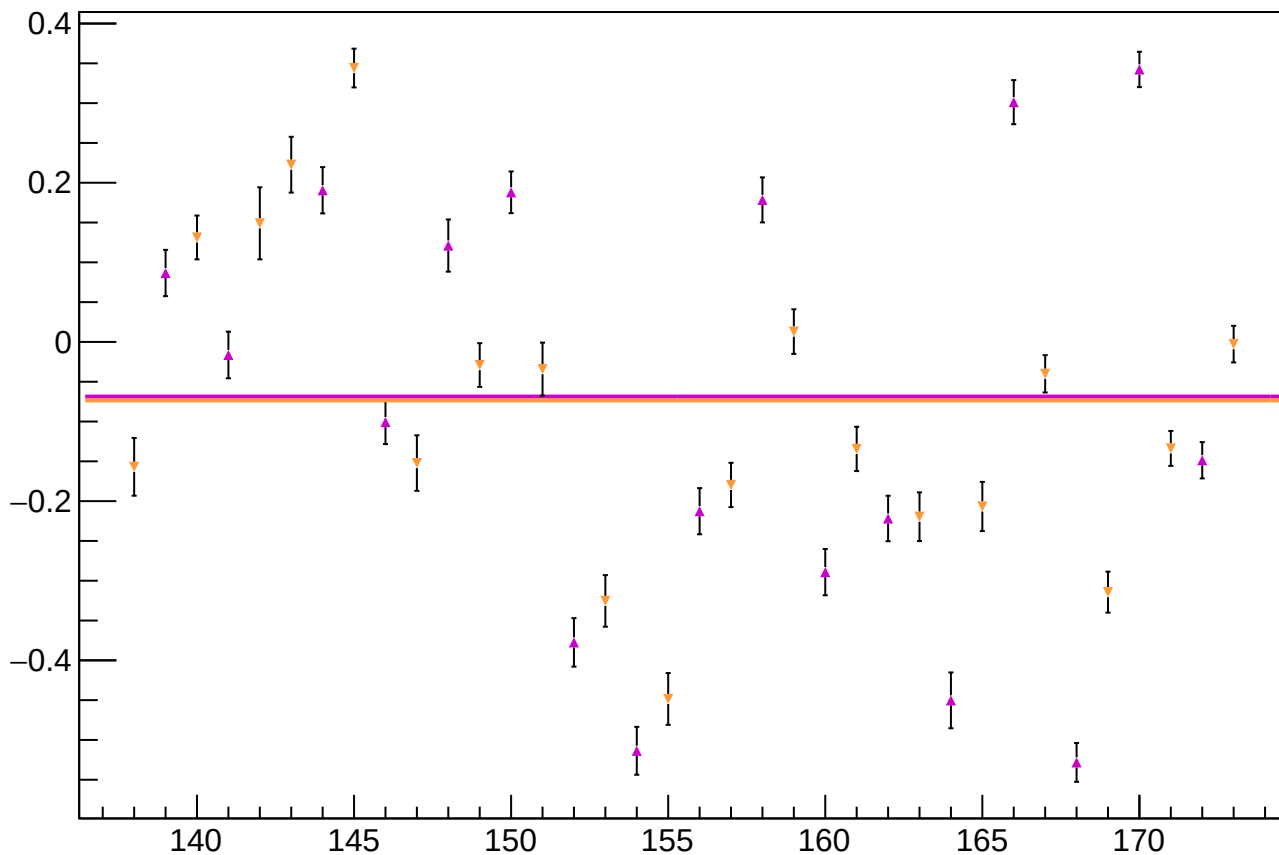
reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 83.196+/-0.141 χ^2/NDF :1957.0/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 82.061+/-0.147 χ^2/NDF :1884.5/16

Left: 82.652+/-0.102 χ^2/NDF : 3872.7/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 82.061+/-0.147 χ^2/NDF :1884.5/16
 Out: 83.196+/-0.141 χ^2/NDF :1957.0/18
 All: 82.652+/-0.102 χ^2/NDF : 3872.7/35

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: -0.073 $\pm$ 0.007 χ^2 /NDF:829.7/18

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

Left In: -0.069 $\pm$ 0.007 χ^2 /NDF:1757.4/16

Left: -0.071 $\pm$ 0.005 χ^2 /NDF: 2587.4/35

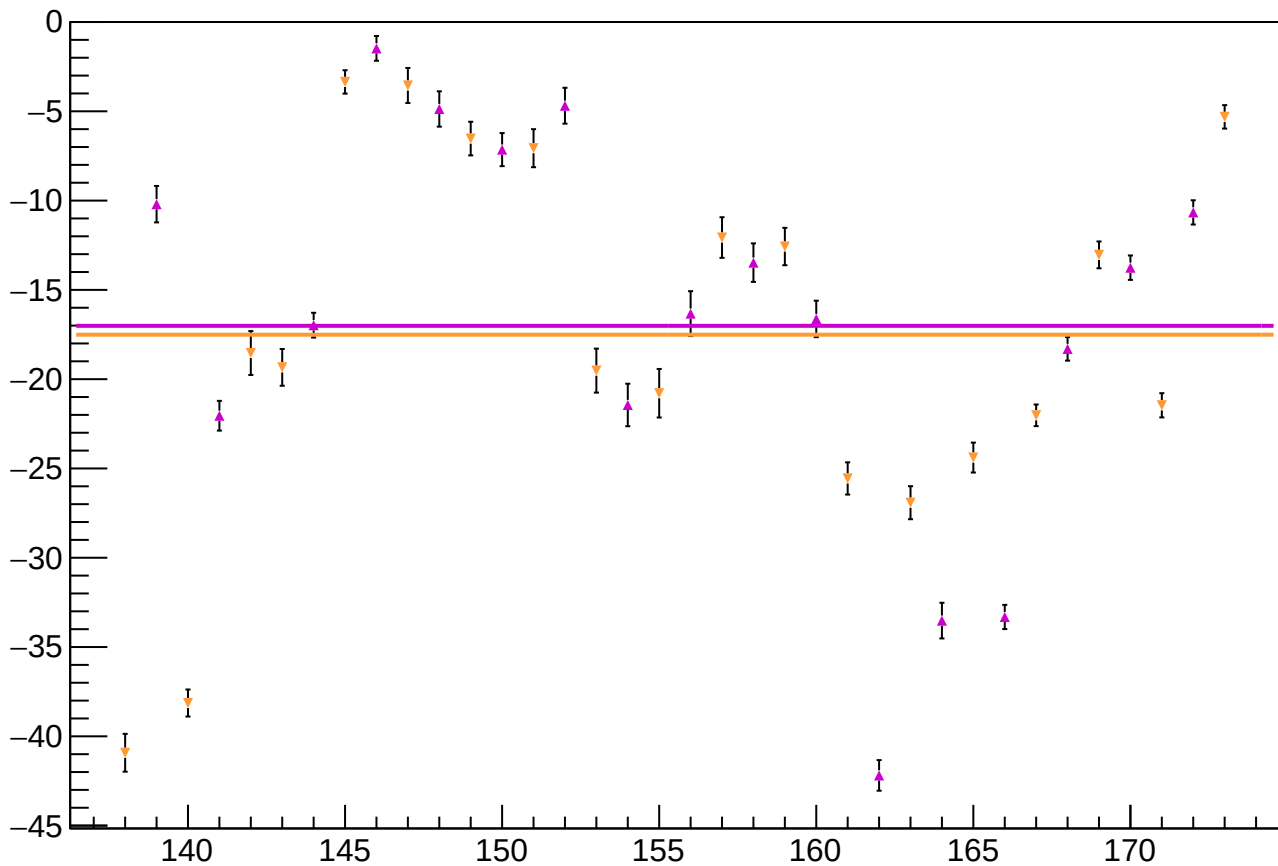
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.069 $\pm$ 0.007 χ^2 /NDF:1757.4/16

Out: -0.073 $\pm$ 0.007 χ^2 /NDF:829.7/18

All: -0.071 $\pm$ 0.005 χ^2 /NDF: 2587.4/35

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -17.509 $\pm$ 0.199 χ^2 /NDF:2911.1/18

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

Left In: -17.012 $\pm$ 0.204 χ^2 /NDF:2854.9/16

Left: -17.267 $\pm$ 0.142 χ^2 /NDF: 5769.1/35

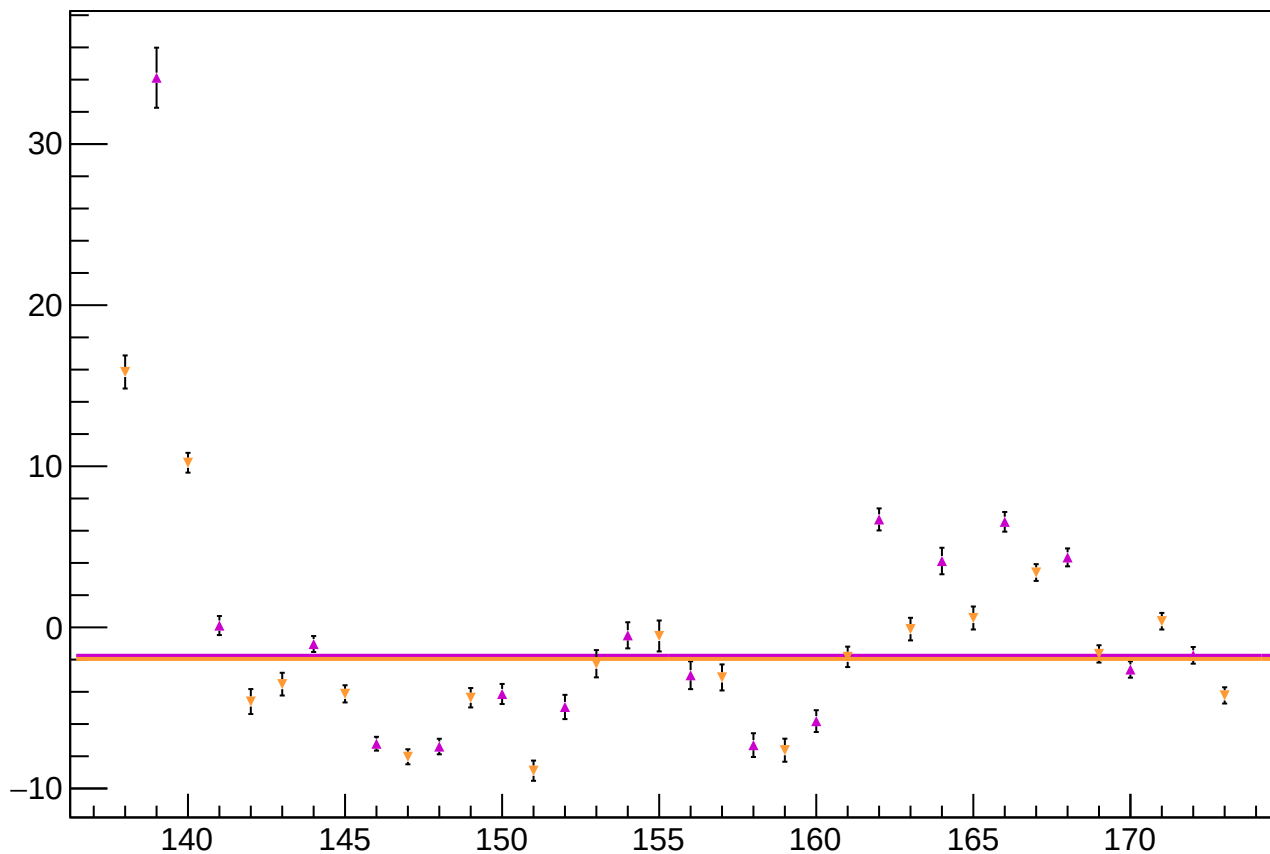
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -17.012 $\pm$ 0.204 χ^2 /NDF:2854.9/16

Out: -17.509 $\pm$ 0.199 χ^2 /NDF:2911.1/18

All: -17.267 $\pm$ 0.142 χ^2 /NDF: 5769.1/35

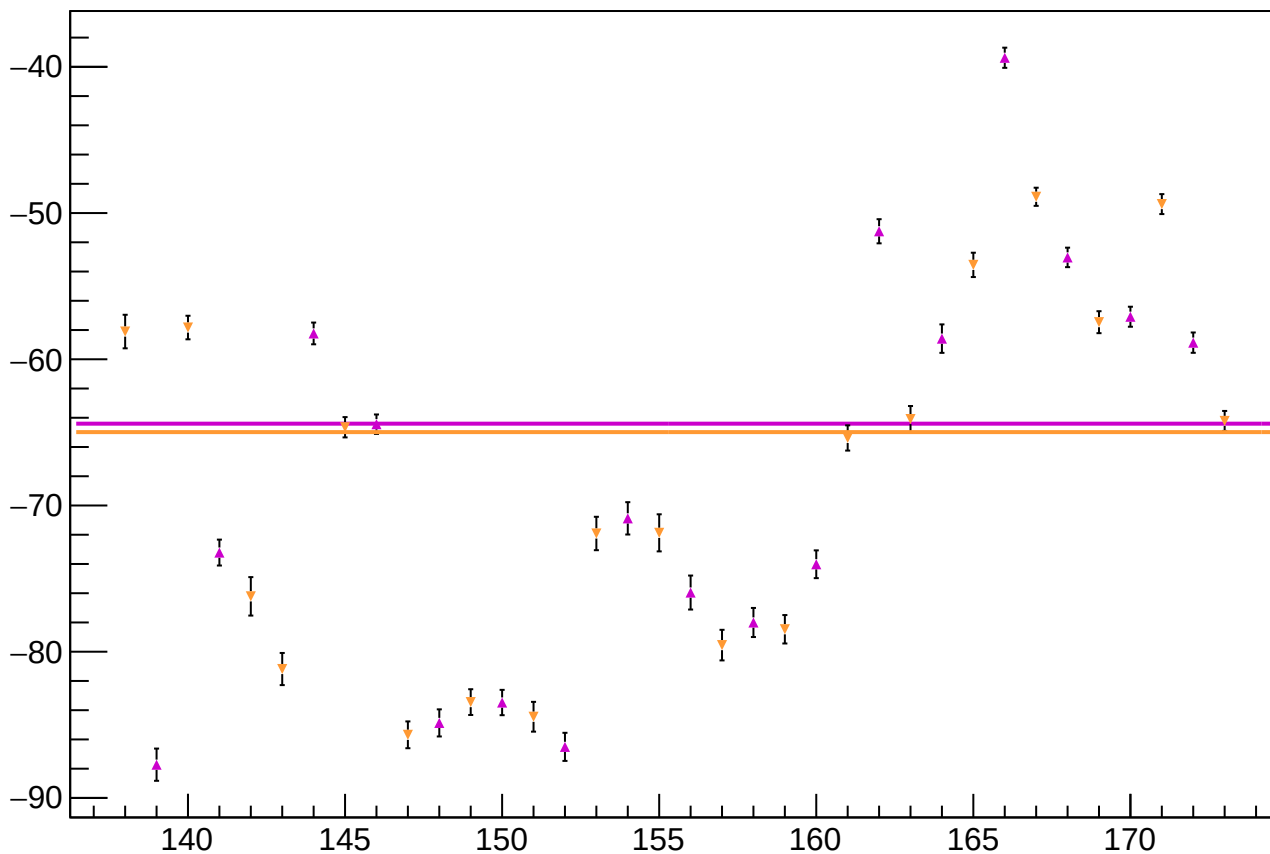
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.958+/-0.144 χ^2/NDF :1268.5/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.763+/-0.149 χ^2/NDF :1321.8/16

Left: -1.863+/-0.104 χ^2/NDF : 2591.3/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -1.763+/-0.149 χ^2/NDF :1321.8/16
 Out: -1.958+/-0.144 χ^2/NDF :1268.5/18
 All: -1.863+/-0.104 χ^2/NDF : 2591.3/35

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: -64.981+/-0.199 χ^2/NDF : 3659.5/18

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

Left In: -64.404+/-0.202 χ^2/NDF : 4614.9/16

Left: -64.697+/-0.142 χ^2/NDF : 8278.5/35

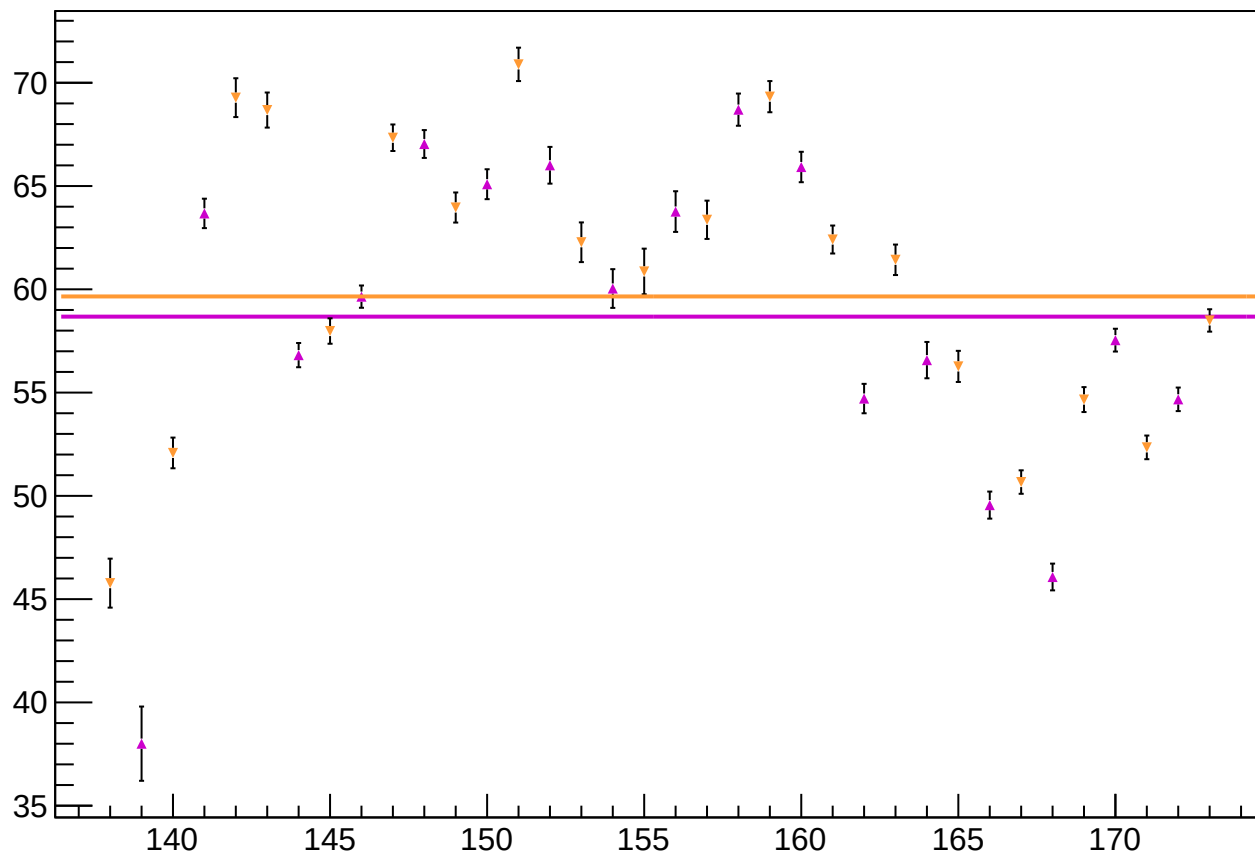
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -64.404+/-0.202 χ^2/NDF : 4614.9/16

Out: -64.981+/-0.199 χ^2/NDF : 3659.5/18

All: -64.697+/-0.142 χ^2/NDF : 8278.5/35

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: 59.654 $\pm$ 0.166 χ^2 /NDF:1554.7/18

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

Left In: 58.677 $\pm$ 0.172 χ^2 /NDF:1448.7/16

Left: 59.183 $\pm$ 0.119 χ^2 /NDF: 3020.2/35

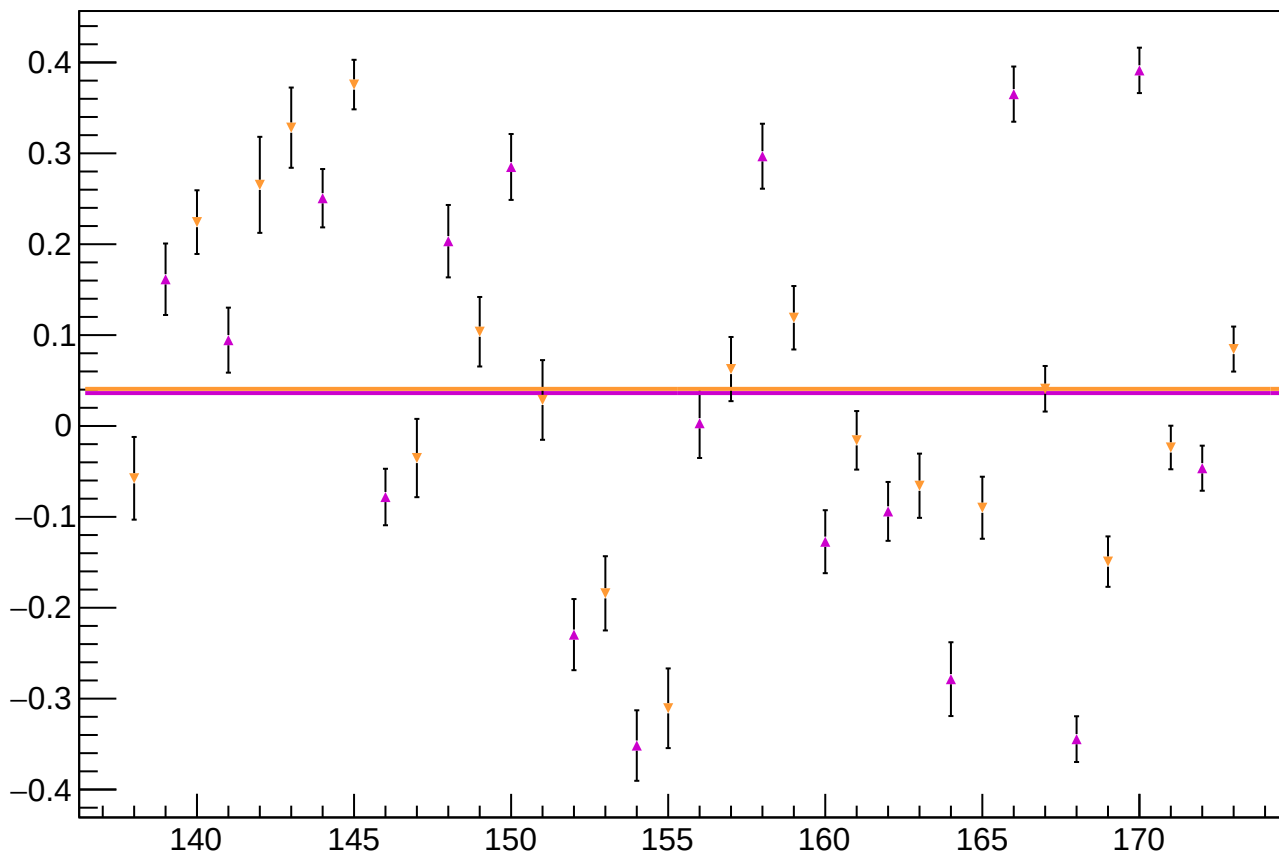
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 58.677 $\pm$ 0.172 χ^2 /NDF:1448.7/16

Out: 59.654 $\pm$ 0.166 χ^2 /NDF:1554.7/18

All: 59.183 $\pm$ 0.119 χ^2 /NDF: 3020.2/35

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: 0.041 $\pm$ 0.008 χ^2 /NDF:433.5/18

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

Left In: 0.036 $\pm$ 0.008 χ^2 /NDF:993.3/16

Left: 0.039 $\pm$ 0.006 χ^2 /NDF: 1427.0/35

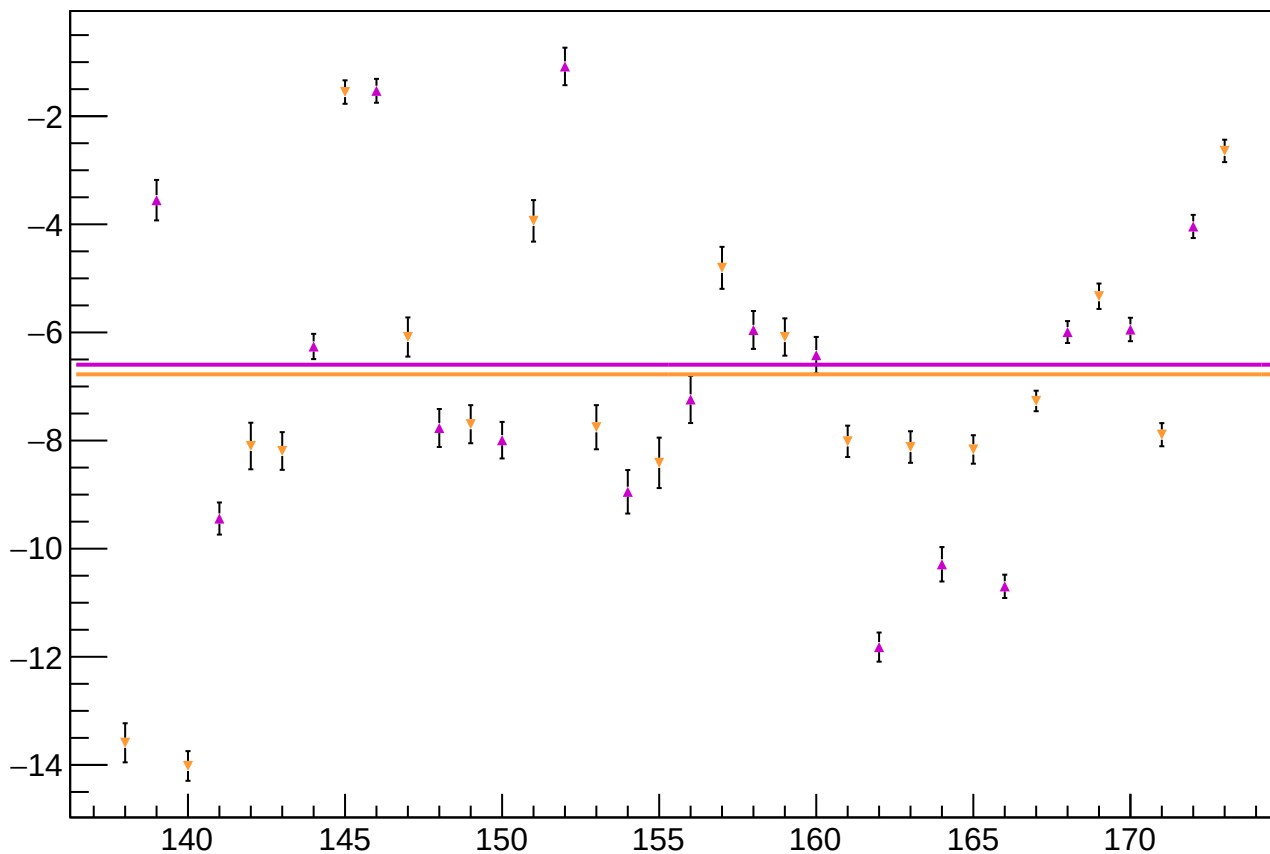
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 0.036 $\pm$ 0.008 χ^2 /NDF:993.3/16

Out: 0.041 $\pm$ 0.008 χ^2 /NDF:433.5/18

All: 0.039 $\pm$ 0.006 χ^2 /NDF: 1427.0/35

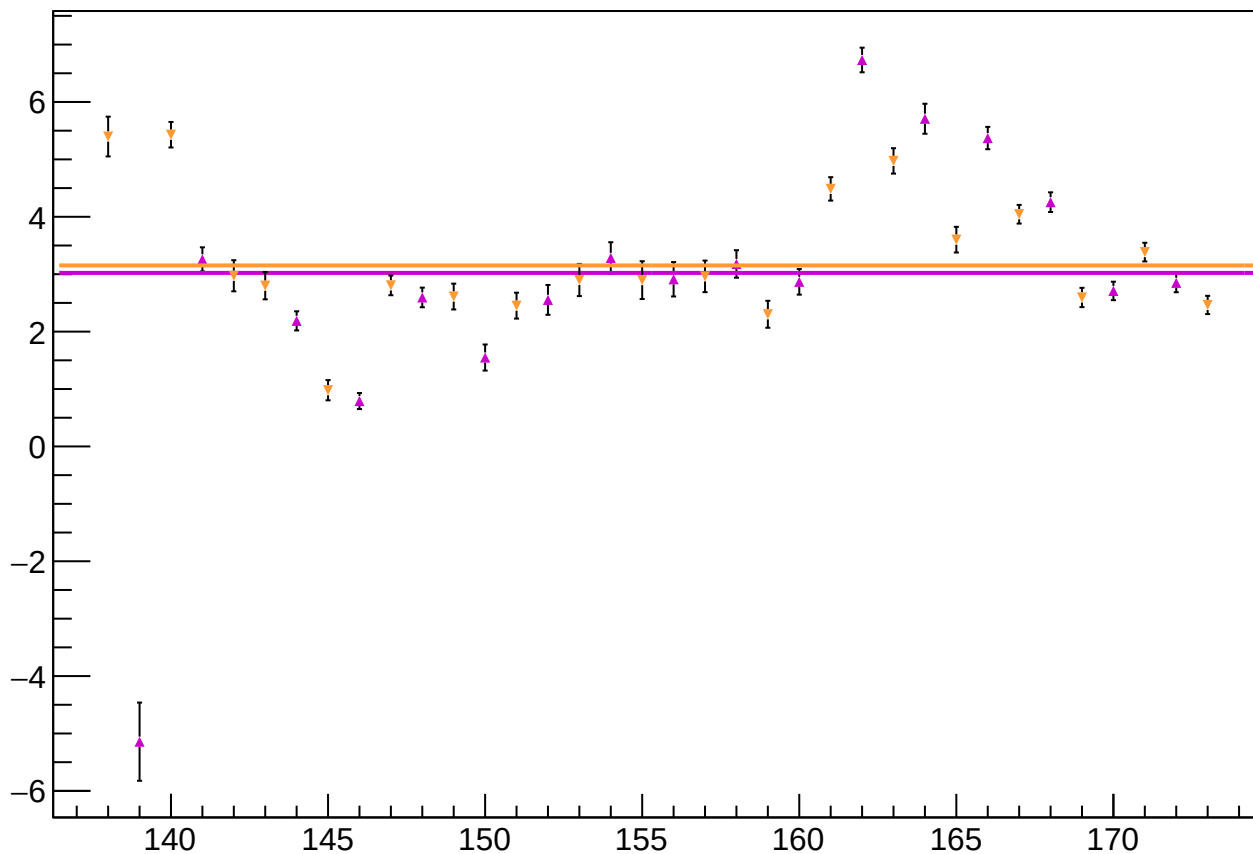
reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -6.775+/-0.066 χ^2/NDF :2305.2/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -6.597+/-0.067 χ^2/NDF :2038.2/16

Left: -6.688+/-0.047 χ^2/NDF : 4347.1/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -6.597+/-0.067 χ^2/NDF :2038.2/16
 Out: -6.775+/-0.066 χ^2/NDF :2305.2/18
 All: -6.688+/-0.047 χ^2/NDF : 4347.1/35

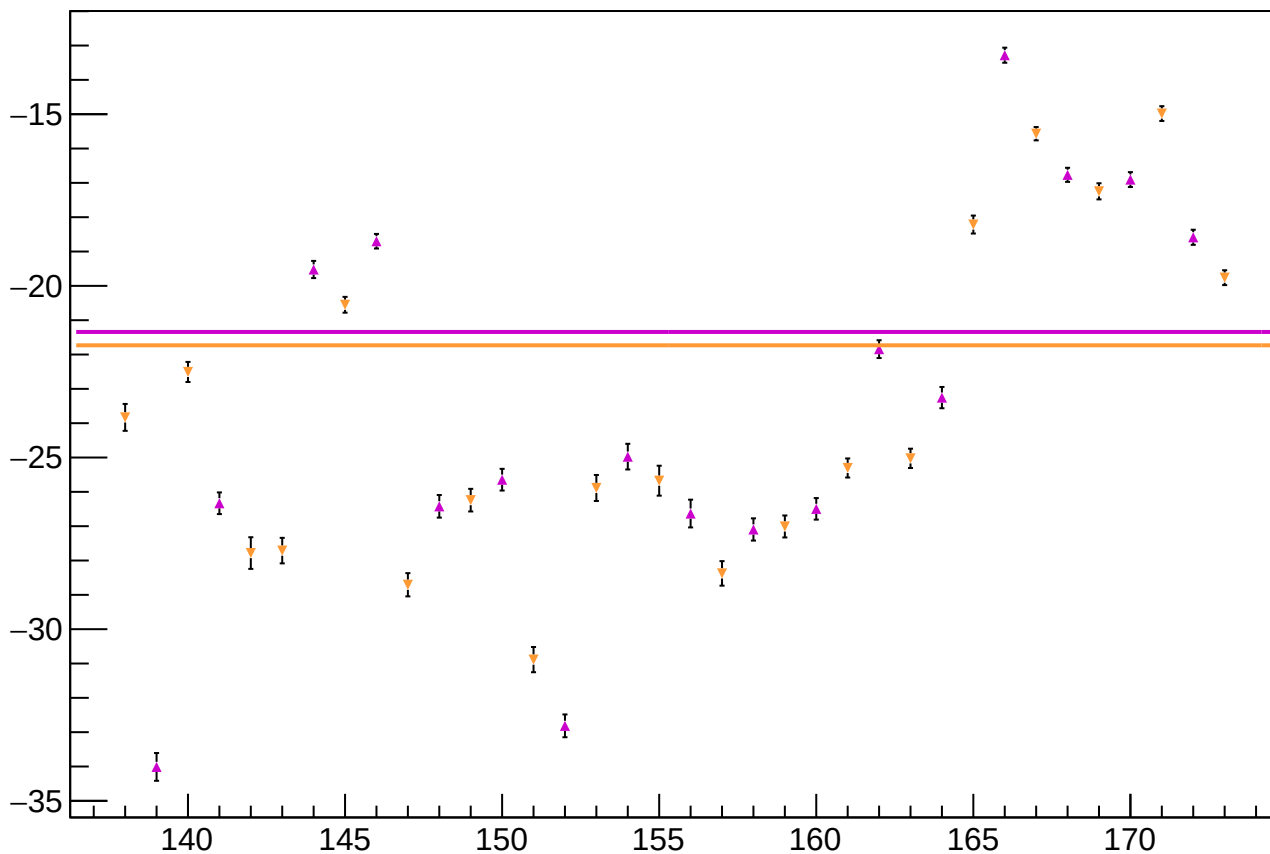
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.153 $\pm$ 0.048 χ^2 /NDF:512.6/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 3.023 $\pm$ 0.049 χ^2 /NDF:1085.9/16

Left: 3.089 $\pm$ 0.034 χ^2 /NDF: 1602.0/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 3.023 $\pm$ 0.049 χ^2 /NDF:1085.9/16
 Out: 3.153 $\pm$ 0.048 χ^2 /NDF:512.6/18
 All: 3.089 $\pm$ 0.034 χ^2 /NDF: 1602.0/35

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -21.732 $\pm$ 0.066 χ^2 /NDF:5464.7/18

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

Left In: -21.343 $\pm$ 0.066 χ^2 /NDF:6366.0/16

Left: -21.539 $\pm$ 0.047 χ^2 /NDF: 11848.1/35

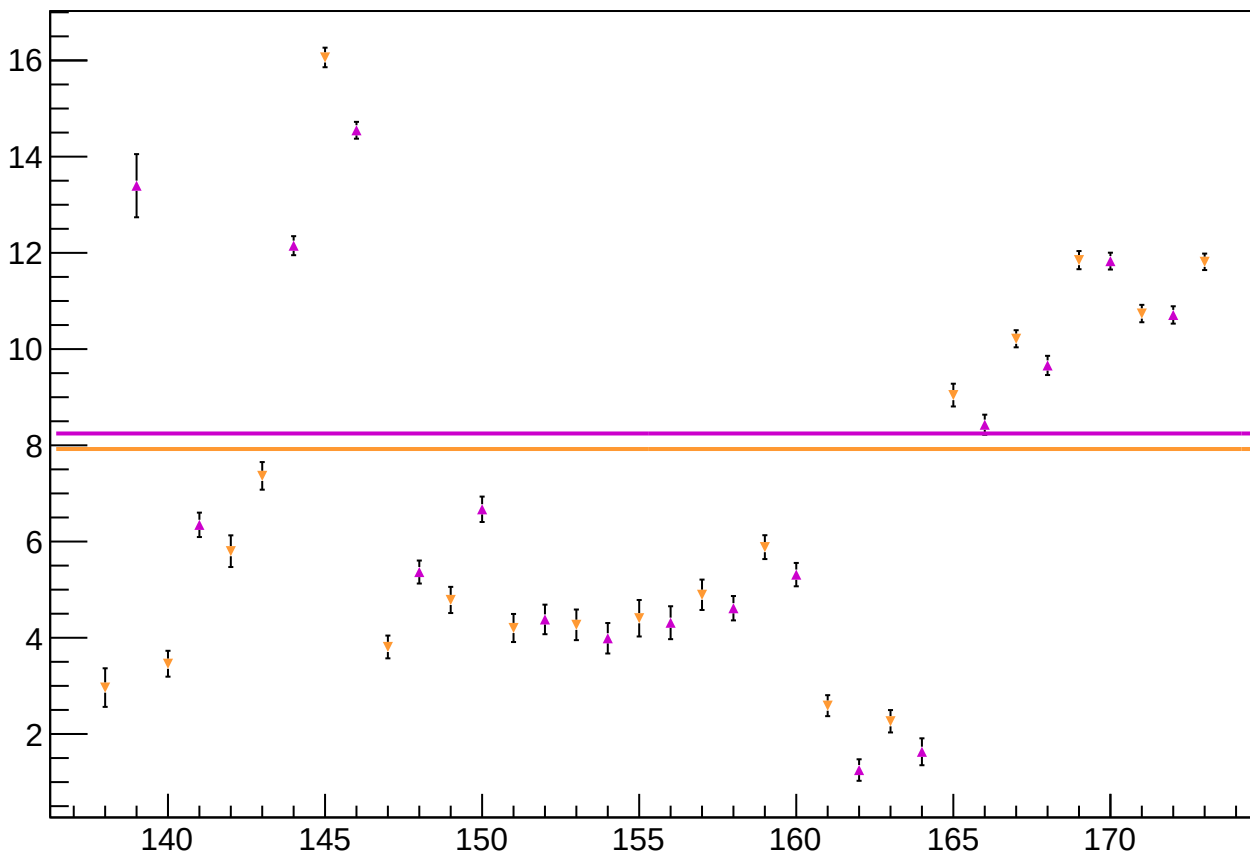
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -21.343 $\pm$ 0.066 χ^2 /NDF:6366.0/16

Out: -21.732 $\pm$ 0.066 χ^2 /NDF:5464.7/18

All: -21.539 $\pm$ 0.047 χ^2 /NDF: 11848.1/35

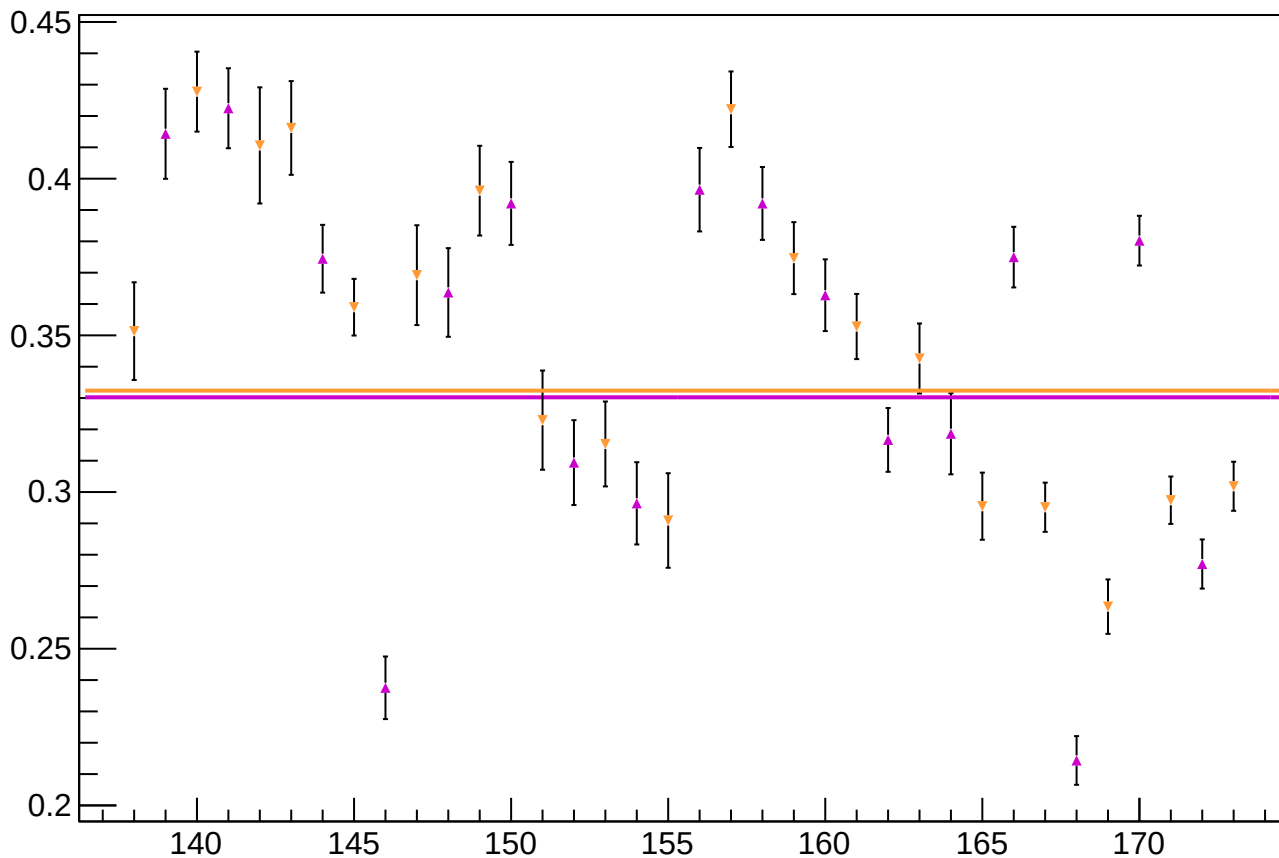
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 7.923 $\pm$ 0.055 χ^2/NDF :5624.4/18
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 8.246 $\pm$ 0.056 χ^2/NDF :5005.3/16

Left: 8.080 $\pm$ 0.039 χ^2/NDF : 10646.6/35
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 8.246 $\pm$ 0.056 χ^2/NDF :5005.3/16
 Out: 7.923 $\pm$ 0.055 χ^2/NDF :5624.4/18
 All: 8.080 $\pm$ 0.039 χ^2/NDF : 10646.6/35

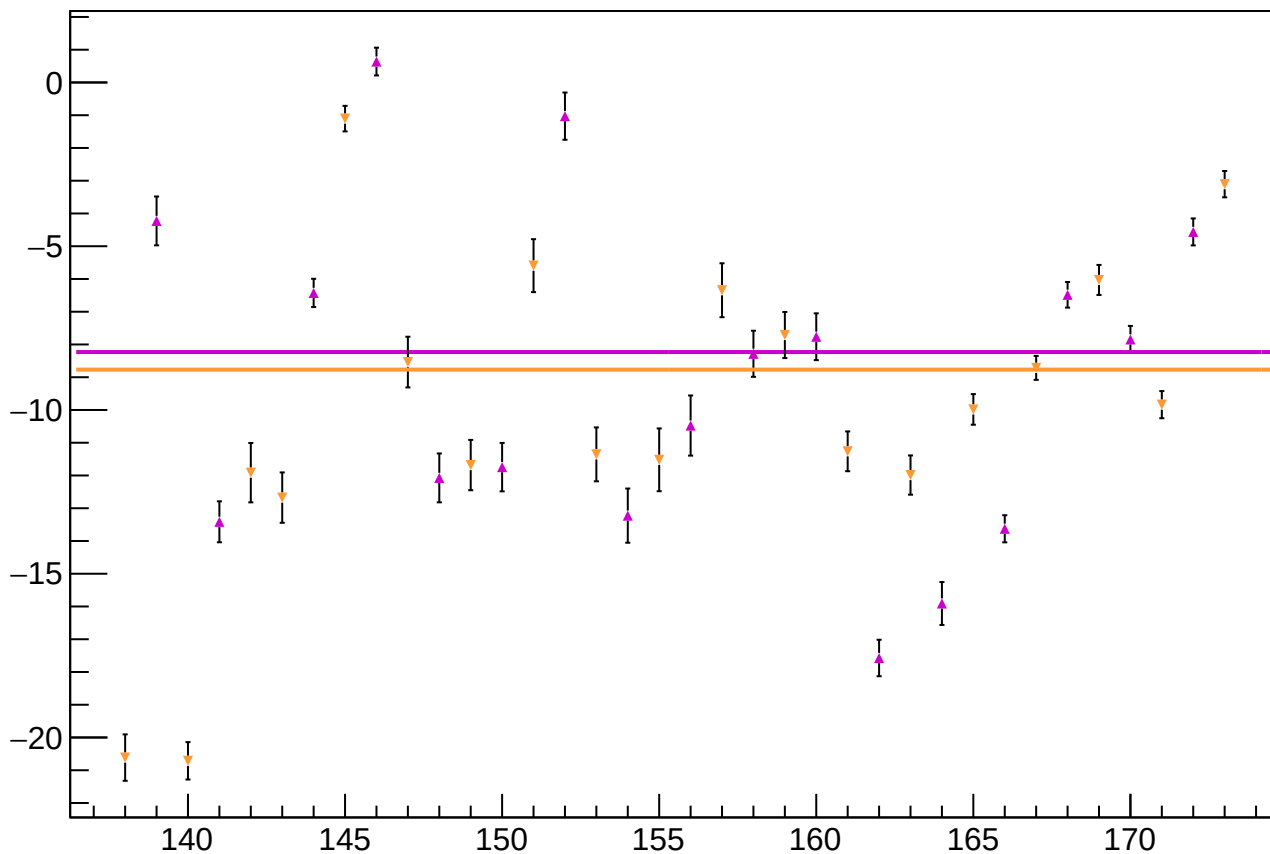
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.332 $\pm$ 0.003 χ^2 /NDF:357.7/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.330 $\pm$ 0.003 χ^2 /NDF:619.2/16

Left: 0.331 $\pm$ 0.002 χ^2 /NDF: 977.2/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.330 $\pm$ 0.003 χ^2 /NDF:619.2/16
 Out: 0.332 $\pm$ 0.003 χ^2 /NDF:357.7/18
 All: 0.331 $\pm$ 0.002 χ^2 /NDF: 977.2/35

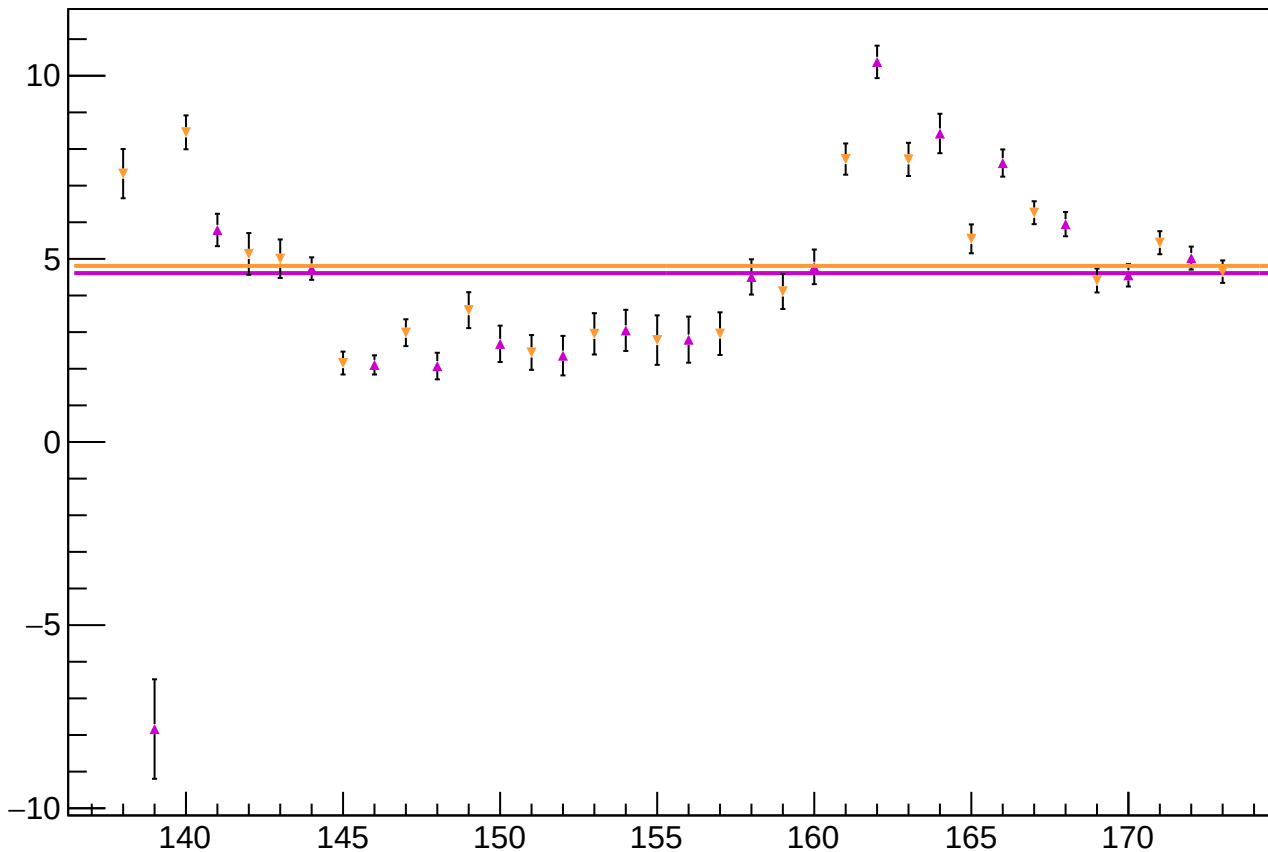
reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -8.768 ± 0.129 $\chi^2/\text{NDF}: 1492.9/18$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -8.231 ± 0.132 $\chi^2/\text{NDF}: 1433.3/16$

Left: -8.505 ± 0.092 $\chi^2/\text{NDF}: 2934.7/35$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 In: -8.231 ± 0.132 $\chi^2/\text{NDF}: 1433.3/16$
 Out: -8.768 ± 0.129 $\chi^2/\text{NDF}: 1492.9/18$
 All: -8.505 ± 0.092 $\chi^2/\text{NDF}: 2934.7/35$

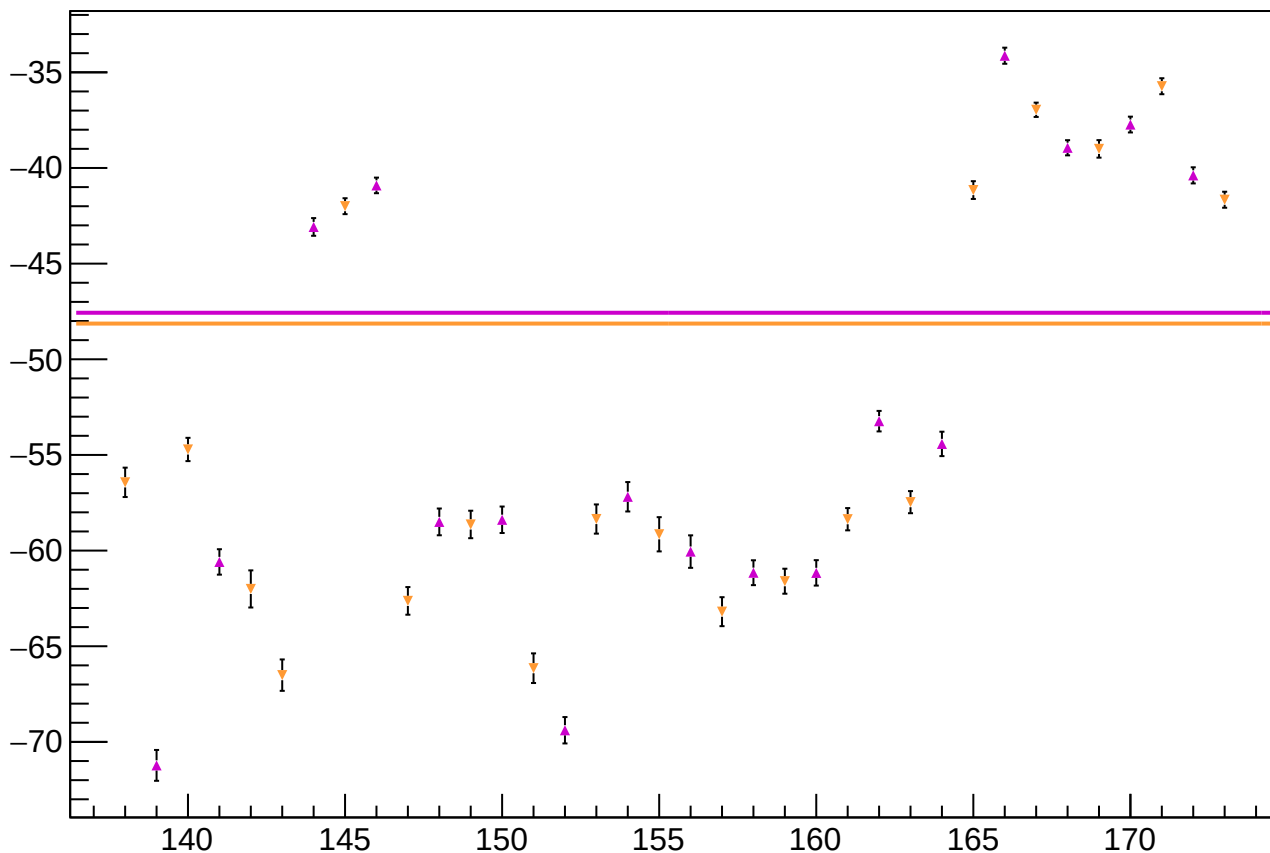
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.809+/-0.095 χ^2 /NDF:355.5/18
 Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 Left In: 4.612+/-0.097 χ^2 /NDF:583.4/16

Left: 4.712+/-0.068 χ^2 /NDF: 941.0/35
 Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 In: 4.612+/-0.097 χ^2 /NDF:583.4/16
 Out: 4.809+/-0.095 χ^2 /NDF:355.5/18
 All: 4.712+/-0.068 χ^2 /NDF: 941.0/35

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: -48.134+/-0.130 χ^2/NDF : 6671.9/18

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

Left In: -47.568+/-0.131 χ^2/NDF : 6903.0/16

Left: -47.854+/-0.092 χ^2/NDF : 13584.3/35

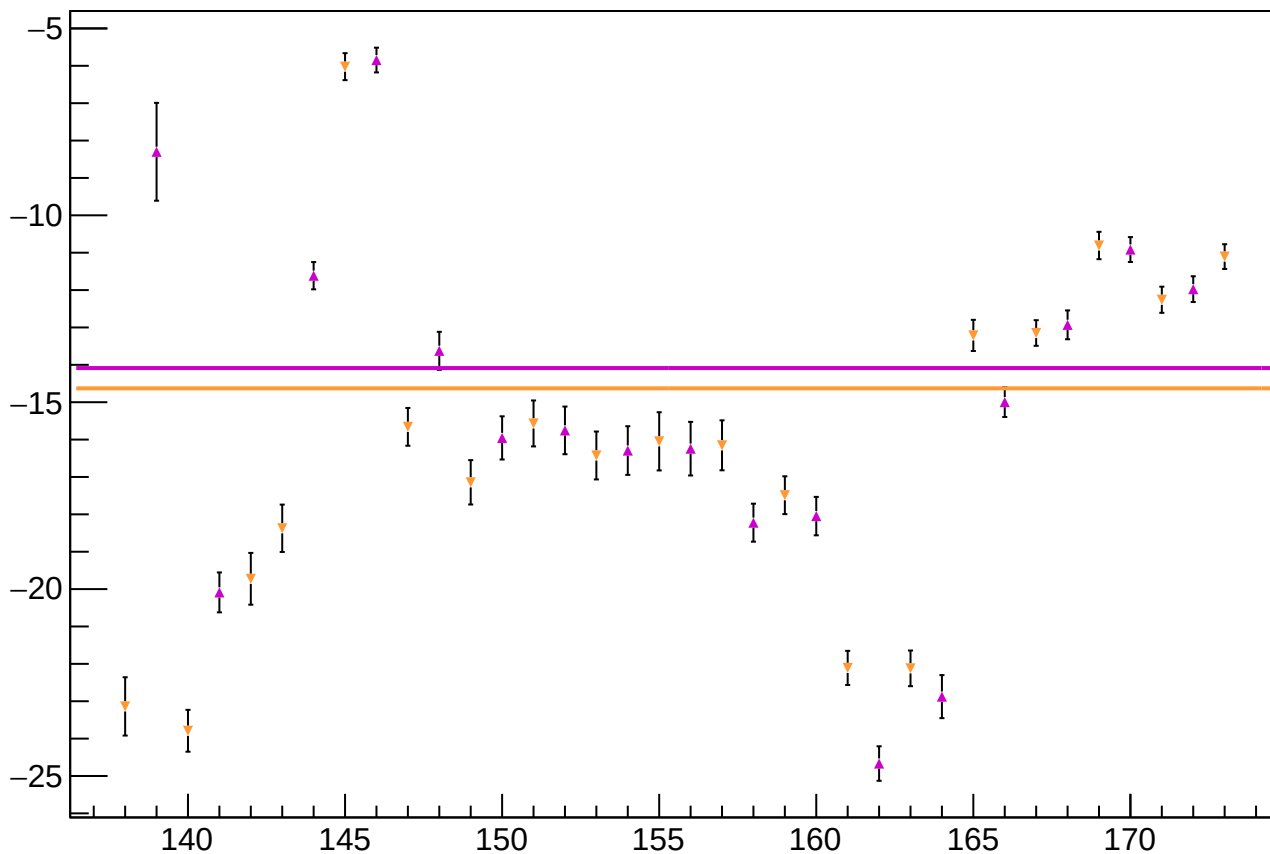
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -47.568+/-0.131 χ^2/NDF : 6903.0/16

Out: -48.134+/-0.130 χ^2/NDF : 6671.9/18

All: -47.854+/-0.092 χ^2/NDF : 13584.3/35

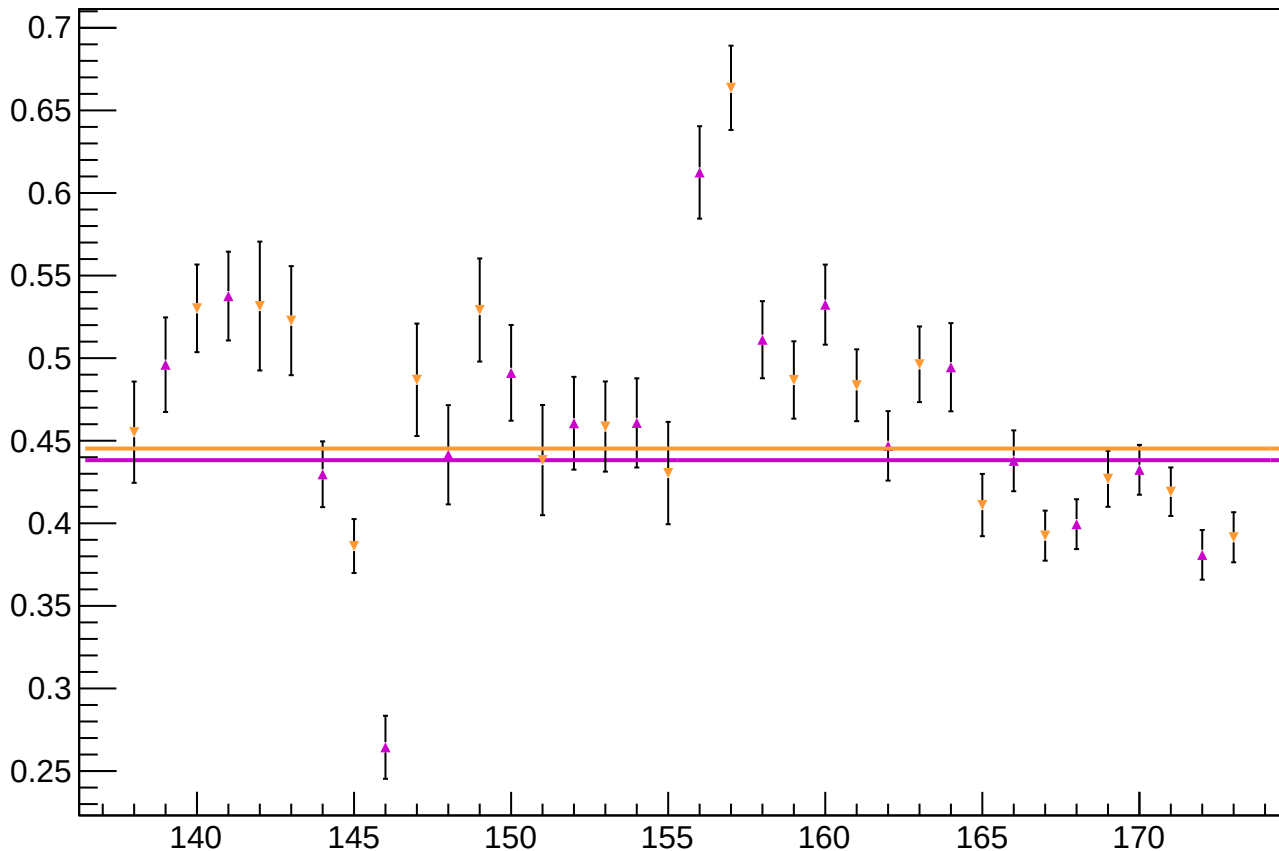
reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -14.629+/-0.108 χ^2/NDF :1931.7/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -14.086+/-0.112 χ^2/NDF :1875.7/16

Left: -14.365+/-0.078 χ^2/NDF : 3819.6/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -14.086+/-0.112 χ^2/NDF :1875.7/16
 Out: -14.629+/-0.108 χ^2/NDF :1931.7/18
 All: -14.365+/-0.078 χ^2/NDF : 3819.6/35

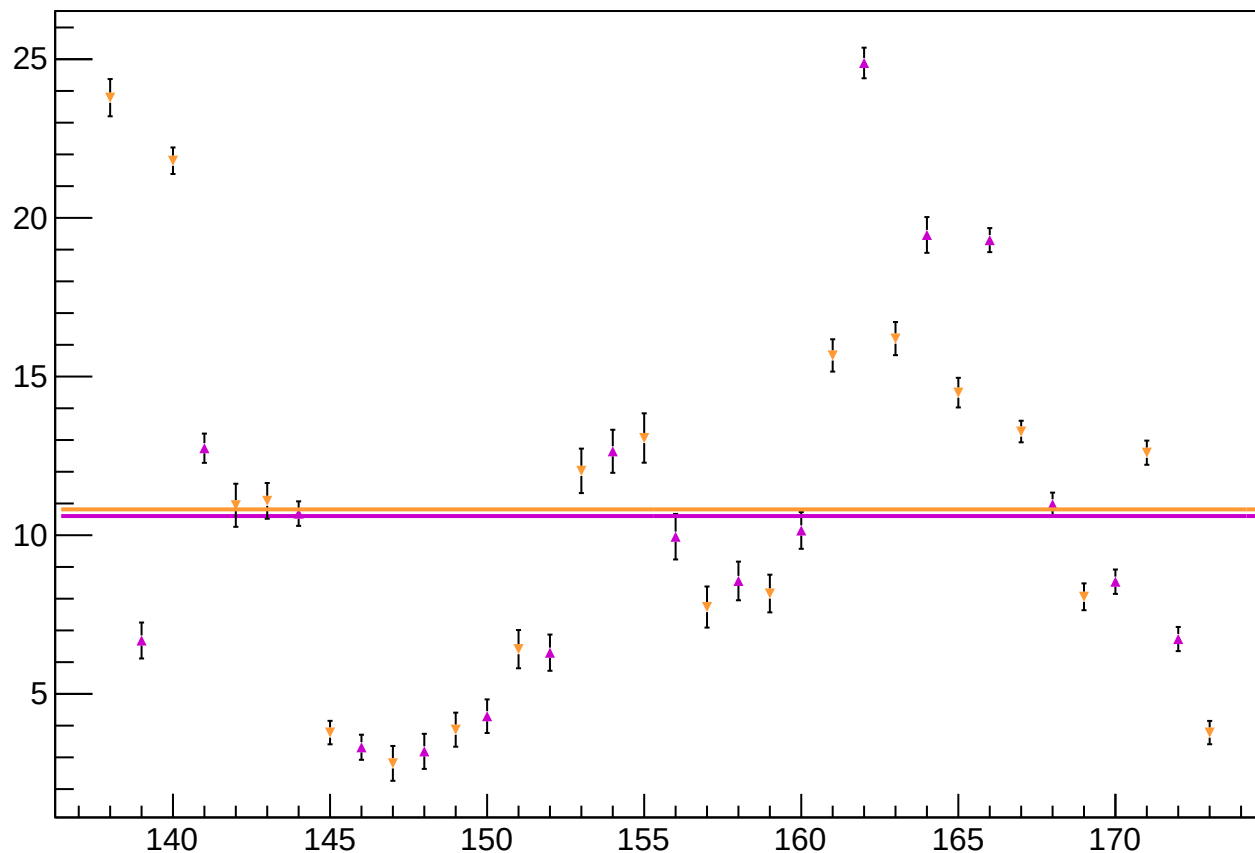
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.445 $\pm$ 0.005 χ^2 /NDF:159.7/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.438 $\pm$ 0.005 χ^2 /NDF:195.1/16

Left: 0.442 $\pm$ 0.004 χ^2 /NDF: 355.7/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.438 $\pm$ 0.005 χ^2 /NDF:195.1/16
 Out: 0.445 $\pm$ 0.005 χ^2 /NDF:159.7/18
 All: 0.442 $\pm$ 0.004 χ^2 /NDF: 355.7/35

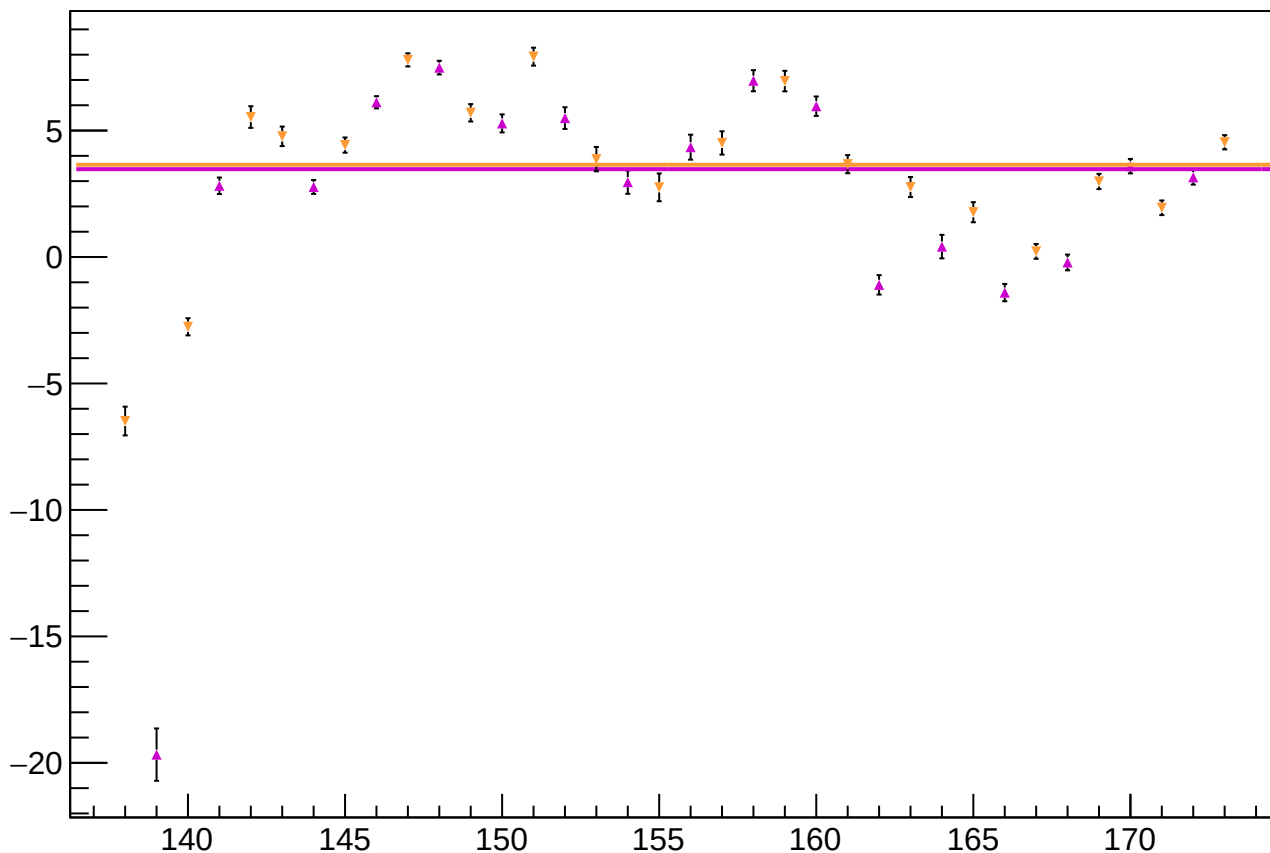
reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 10.815+/-0.112 χ^2/NDF :2770.4/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 10.604+/-0.115 χ^2/NDF :2593.3/16

Left: 10.712+/-0.080 χ^2/NDF : 5365.4/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 10.604+/-0.115 χ^2/NDF :2593.3/16
 Out: 10.815+/-0.112 χ^2/NDF :2770.4/18
 All: 10.712+/-0.080 χ^2/NDF : 5365.4/35

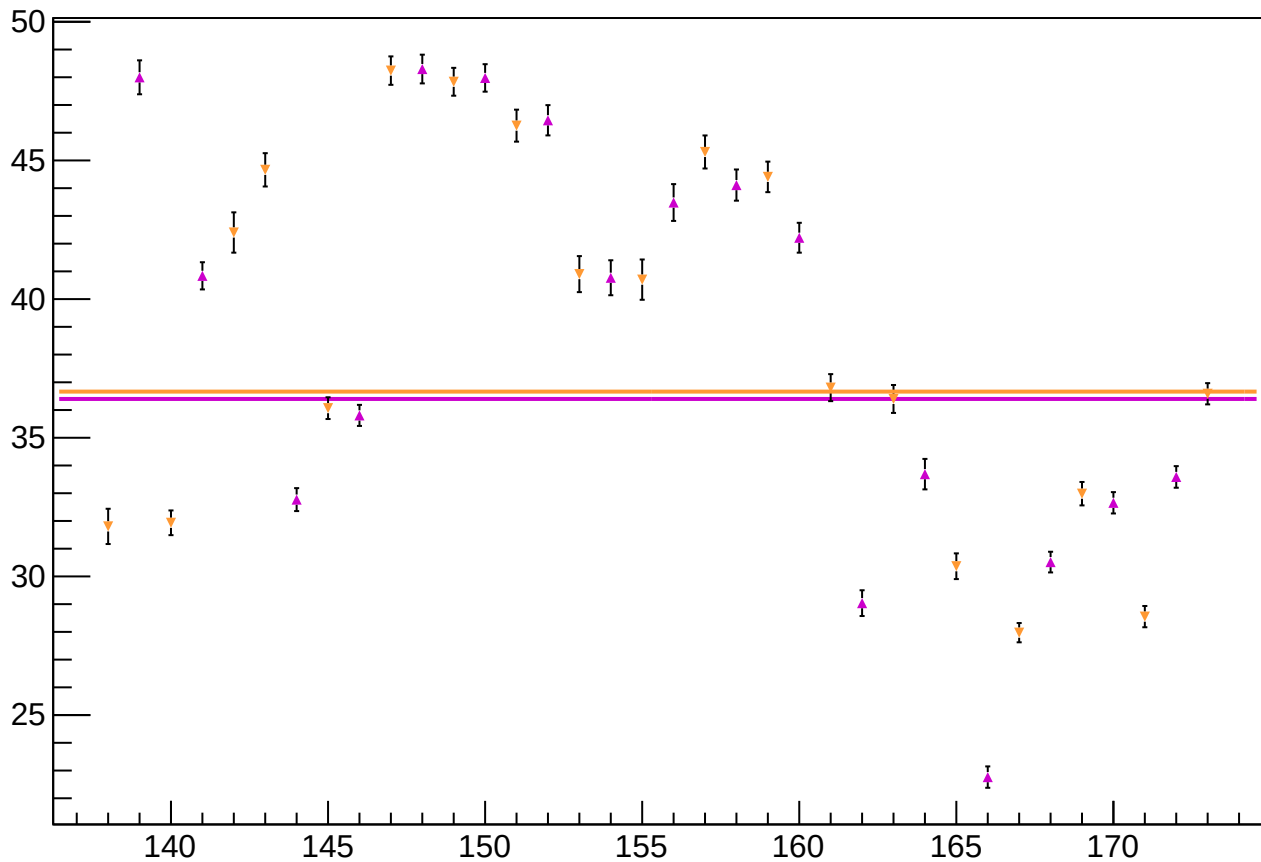
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.648 $\pm$ 0.081 χ^2 /NDF:1428.9/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 3.473 $\pm$ 0.084 χ^2 /NDF:1546.6/16

Left: 3.563 $\pm$ 0.058 χ^2 /NDF: 2977.7/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 3.473 $\pm$ 0.084 χ^2 /NDF:1546.6/16
 Out: 3.648 $\pm$ 0.081 χ^2 /NDF:1428.9/18
 All: 3.563 $\pm$ 0.058 χ^2 /NDF: 2977.7/35

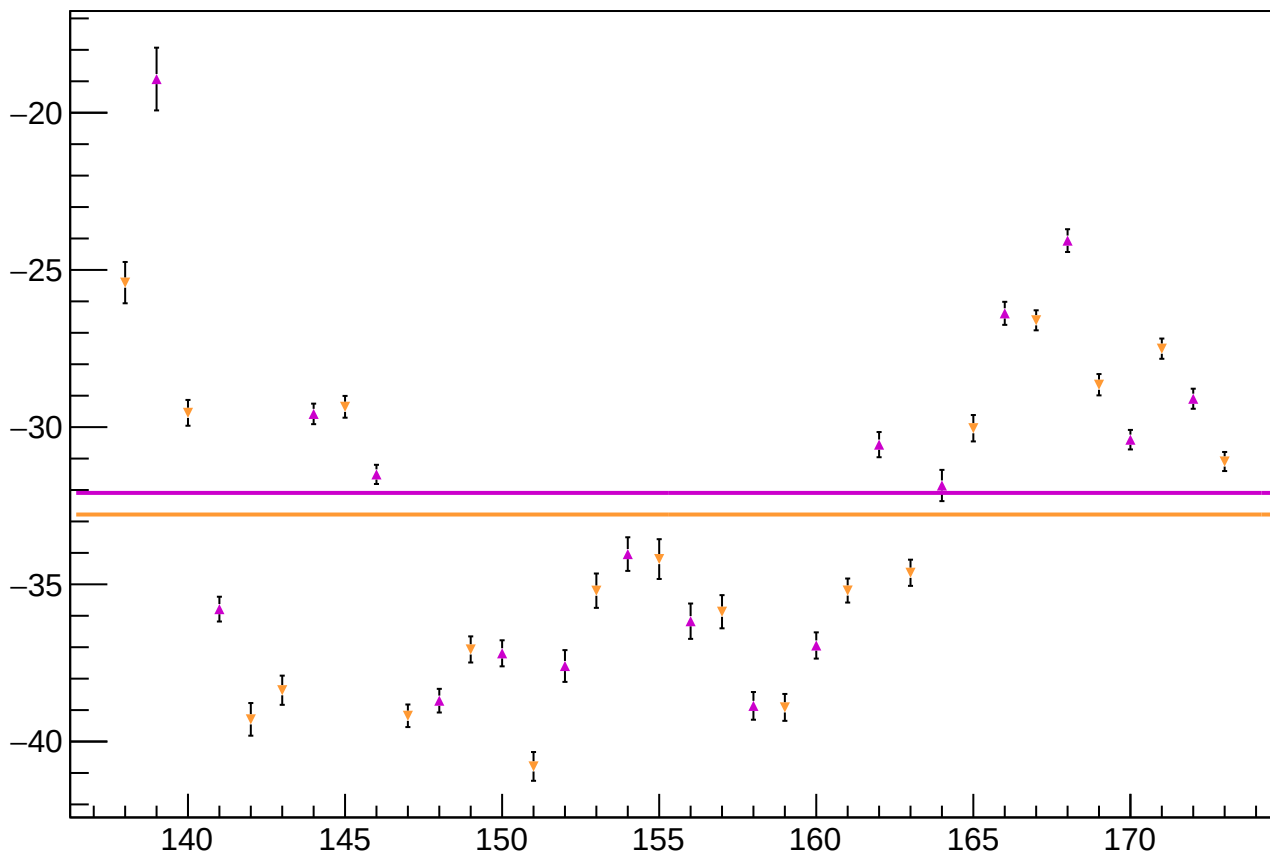
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 36.665+/-0.112 χ^2/NDF : 3509.2/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 36.400+/-0.114 χ^2/NDF : 4320.0/16

Left: 36.534+/-0.080 χ^2/NDF : 7832.0/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 36.400+/-0.114 χ^2/NDF : 4320.0/16
 Out: 36.665+/-0.112 χ^2/NDF : 3509.2/18
 All: 36.534+/-0.080 χ^2/NDF : 7832.0/35

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: -32.779+/-0.093 χ^2/NDF :2510.1/18

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

Left In: -32.092+/-0.096 χ^2/NDF :2206.8/16

Left: -32.448+/-0.067 χ^2/NDF : 4743.2/35

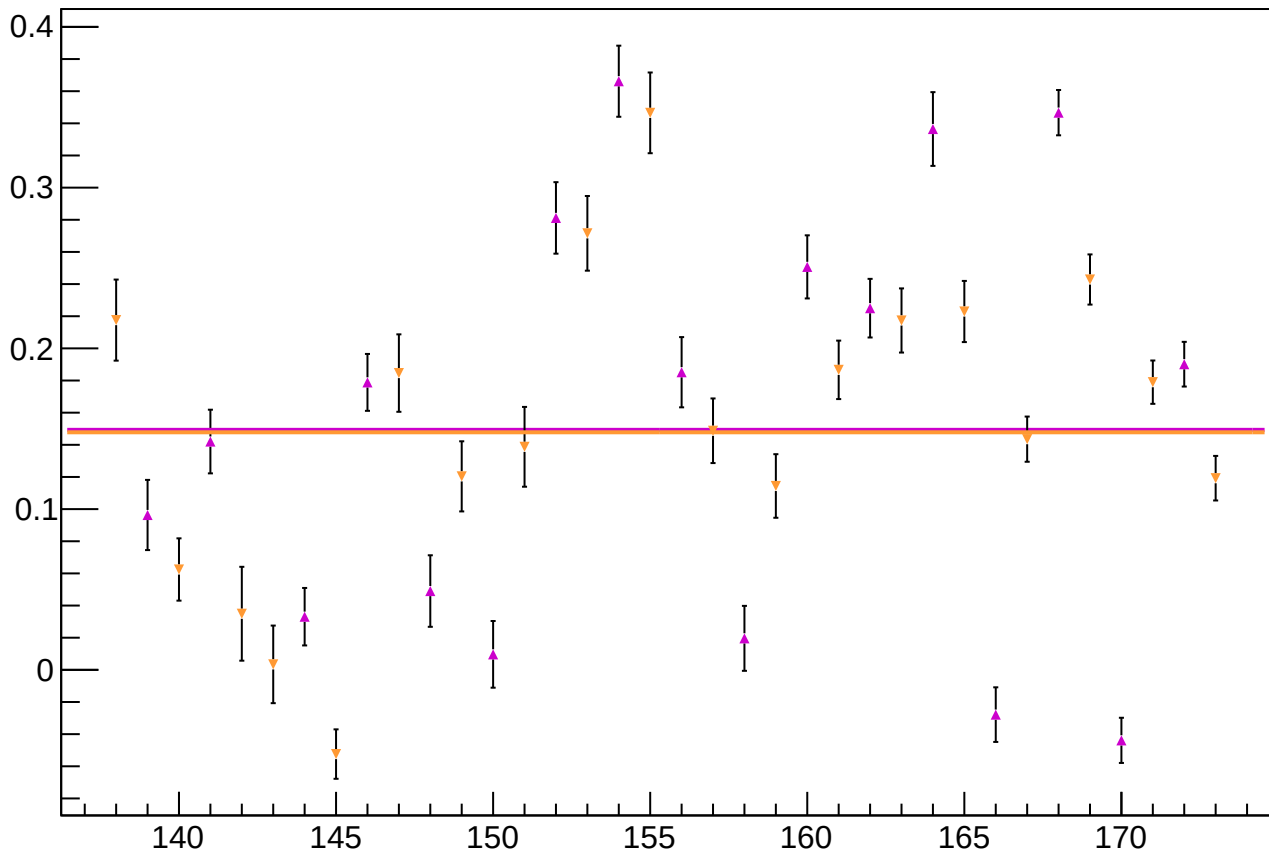
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -32.092+/-0.096 χ^2/NDF :2206.8/16

Out: -32.779+/-0.093 χ^2/NDF :2510.1/18

All: -32.448+/-0.067 χ^2/NDF : 4743.2/35

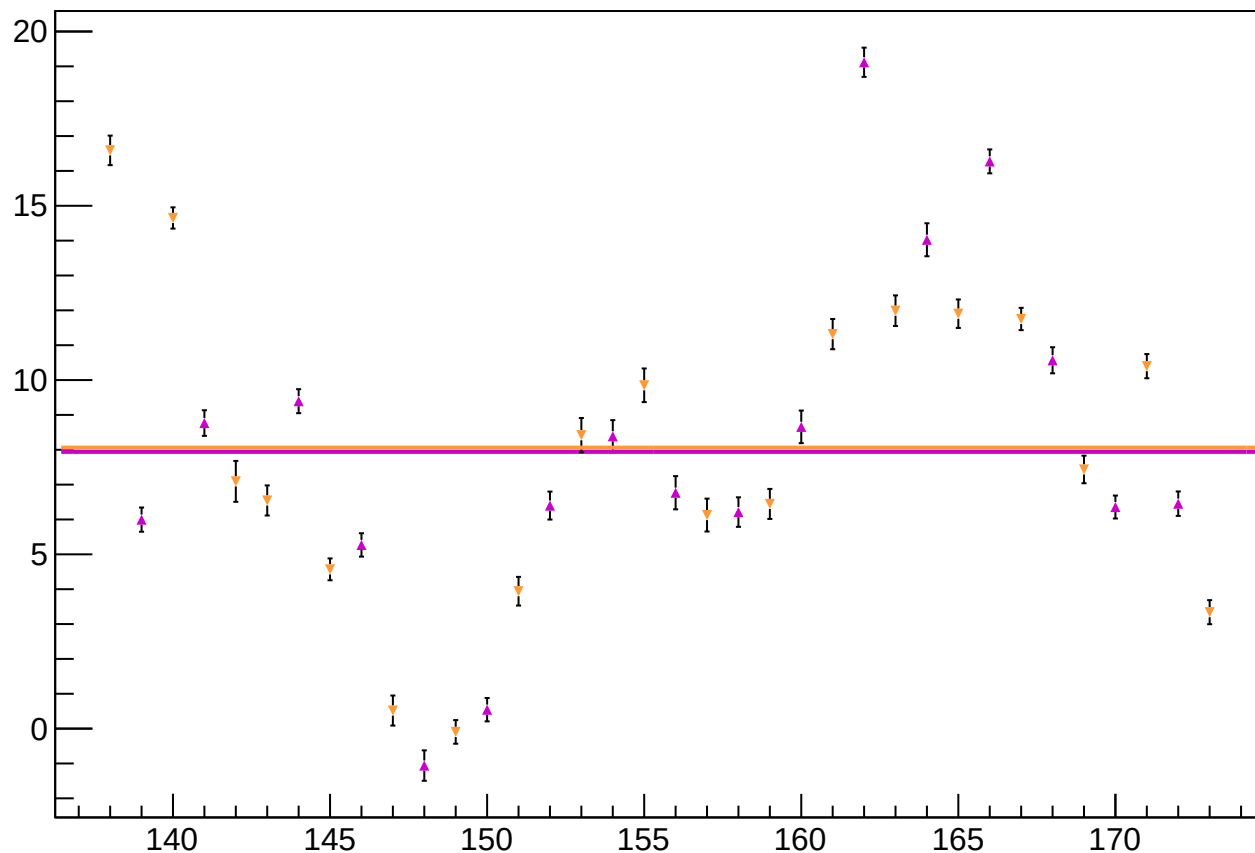
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.148 $\pm$ 0.004 χ^2 /NDF:424.2/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.149 $\pm$ 0.004 χ^2 /NDF:904.7/16

Left: 0.149 $\pm$ 0.003 χ^2 /NDF: 1329.0/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.149 $\pm$ 0.004 χ^2 /NDF:904.7/16
 Out: 0.148 $\pm$ 0.004 χ^2 /NDF:424.2/18
 All: 0.149 $\pm$ 0.003 χ^2 /NDF: 1329.0/35

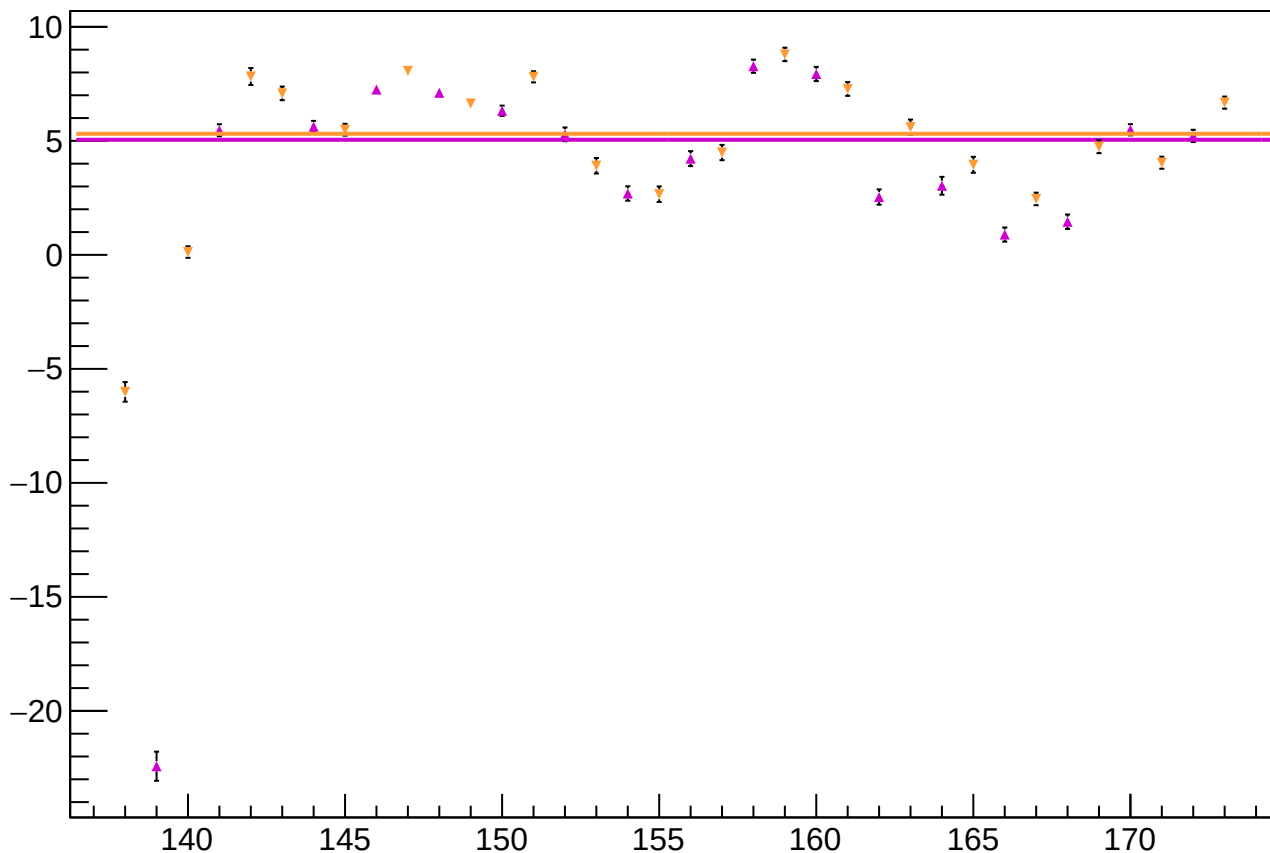
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.062+/-0.090 χ^2/NDF :2632.6/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 7.940+/-0.093 χ^2/NDF :2626.1/16

Left: 8.003+/-0.065 χ^2/NDF : 5259.5/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 7.940+/-0.093 χ^2/NDF :2626.1/16
 Out: 8.062+/-0.090 χ^2/NDF :2632.6/18
 All: 8.003+/-0.065 χ^2/NDF : 5259.5/35

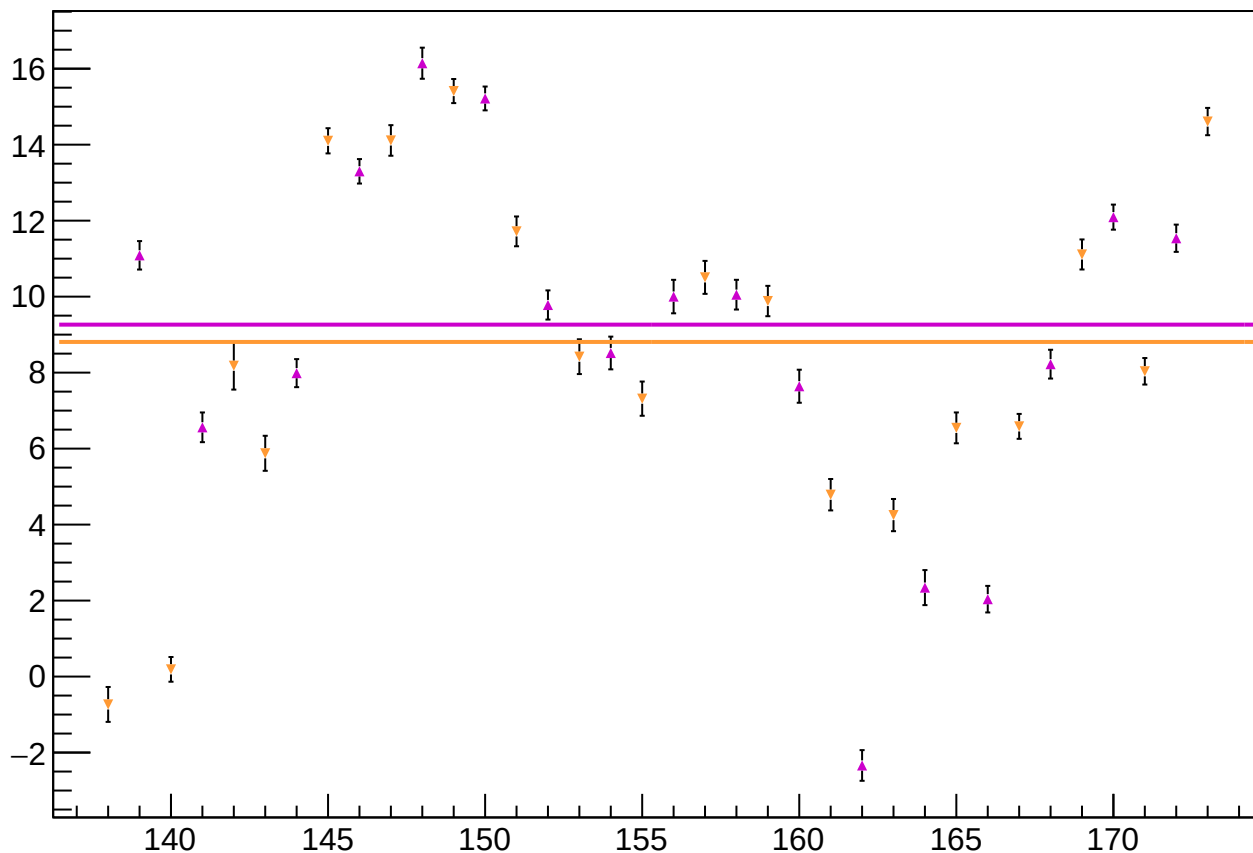
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.310 $\pm$ 0.065 χ^2 /NDF:1950.6/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 5.048 $\pm$ 0.068 χ^2 /NDF:2751.5/16

Left: 5.185 $\pm$ 0.047 χ^2 /NDF: 4709.8/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 5.048 $\pm$ 0.068 χ^2 /NDF:2751.5/16
 Out: 5.310 $\pm$ 0.065 χ^2 /NDF:1950.6/18
 All: 5.185 $\pm$ 0.047 χ^2 /NDF: 4709.8/35

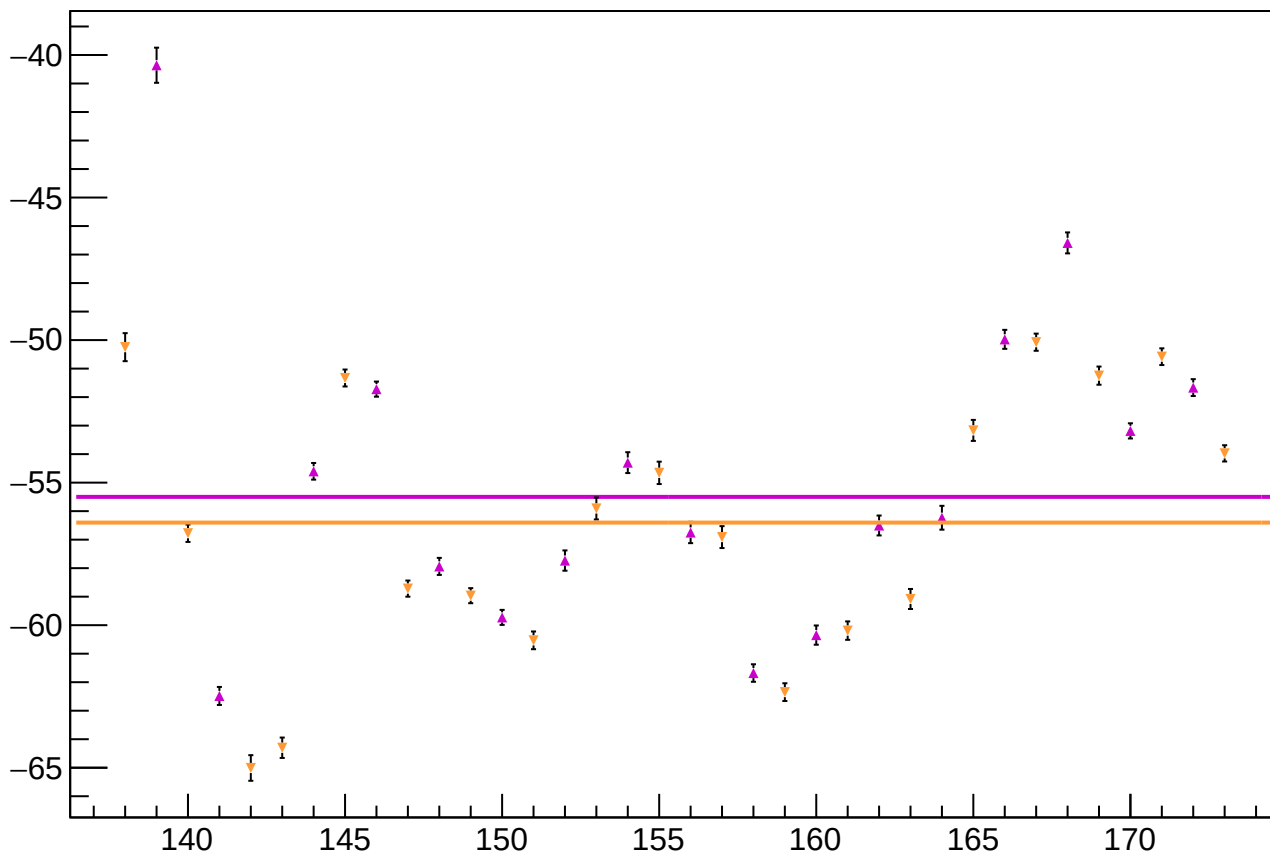
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.808+/-0.090 χ^2/NDF :2712.4/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 9.263+/-0.092 χ^2/NDF :2509.0/16

Left: 9.031+/-0.064 χ^2/NDF : 5233.9/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 9.263+/-0.092 χ^2/NDF :2509.0/16
 Out: 8.808+/-0.090 χ^2/NDF :2712.4/18
 All: 9.031+/-0.064 χ^2/NDF : 5233.9/35

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -56.401 $\pm$ 0.075 χ^2/NDF :3472.8/18

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

Left In: -55.500 $\pm$ 0.079 χ^2/NDF :3418.4/16

Left: -55.970 $\pm$ 0.054 χ^2/NDF : 6959.9/35

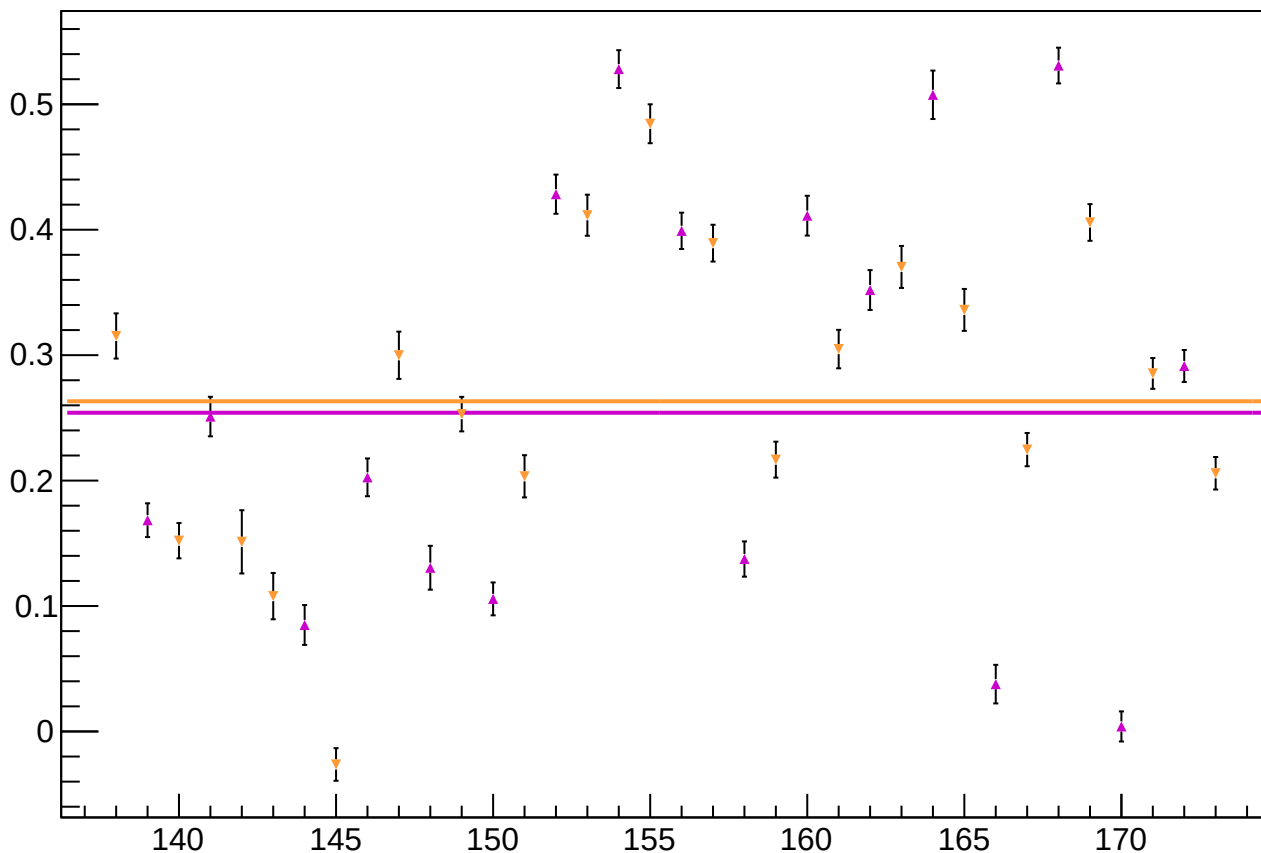
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -55.500 $\pm$ 0.079 χ^2/NDF :3418.4/16

Out: -56.401 $\pm$ 0.075 χ^2/NDF :3472.8/18

All: -55.970 $\pm$ 0.054 χ^2/NDF : 6959.9/35

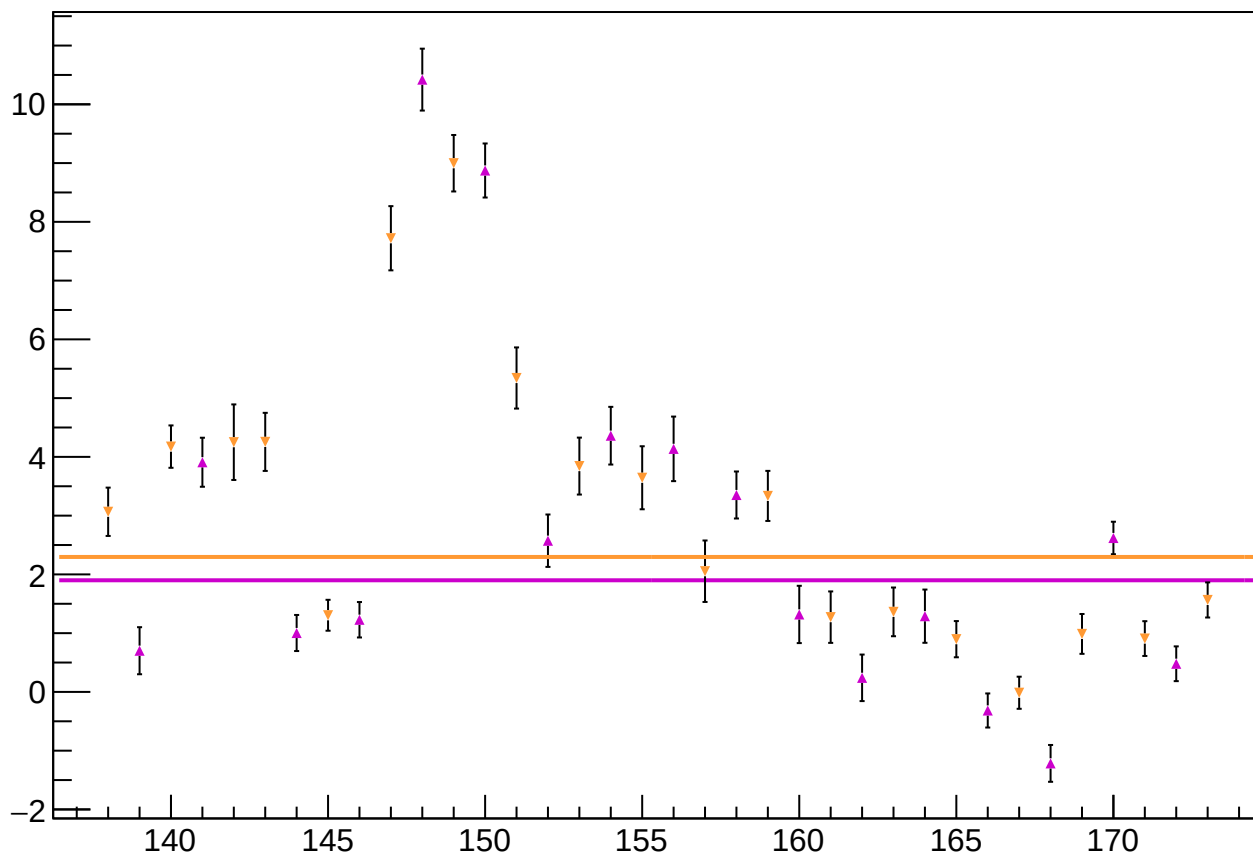
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 0.263 $\pm$ 0.003 χ^2/NDF :1236.9/18
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 0.254 $\pm$ 0.004 χ^2/NDF :2293.4/16

Left: 0.259 $\pm$ 0.002 χ^2/NDF : 3533.6/35
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 0.254 $\pm$ 0.004 χ^2/NDF :2293.4/16
 Out: 0.263 $\pm$ 0.003 χ^2/NDF :1236.9/18
 All: 0.259 $\pm$ 0.002 χ^2/NDF : 3533.6/35

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: 2.297+/-0.088 χ^2/NDF :565.3/18

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

Left In: 1.900+/-0.090 χ^2/NDF :802.4/16

Left: 2.103+/-0.063 χ^2/NDF : 1377.6/35

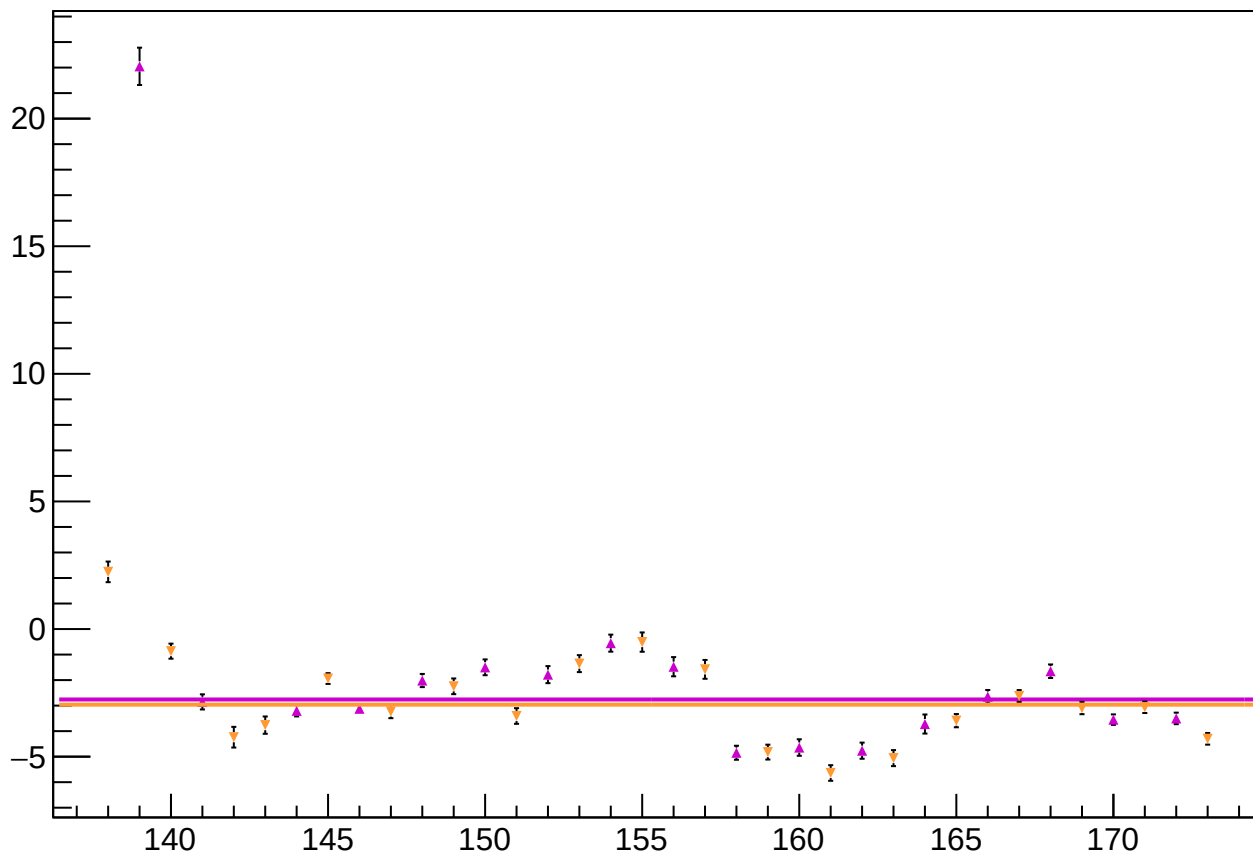
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1.900+/-0.090 χ^2/NDF :802.4/16

Out: 2.297+/-0.088 χ^2/NDF :565.3/18

All: 2.103+/-0.063 χ^2/NDF : 1377.6/35

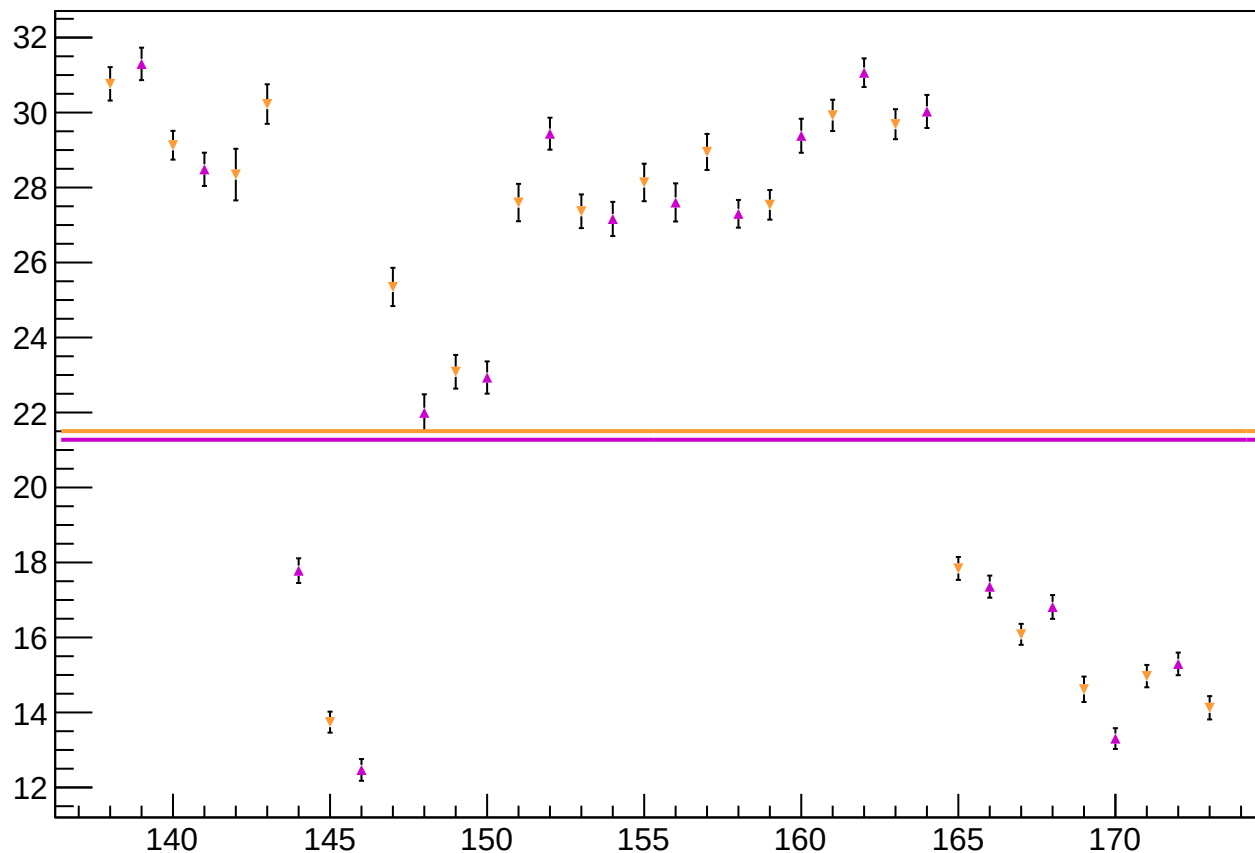
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.963+/-0.065 χ^2/NDF :547.5/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.760+/-0.067 χ^2/NDF :1429.8/16

Left: -2.864+/-0.047 χ^2/NDF : 1982.0/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -2.760+/-0.067 χ^2/NDF :1429.8/16
 Out: -2.963+/-0.065 χ^2/NDF :547.5/18
 All: -2.864+/-0.047 χ^2/NDF : 1982.0/35

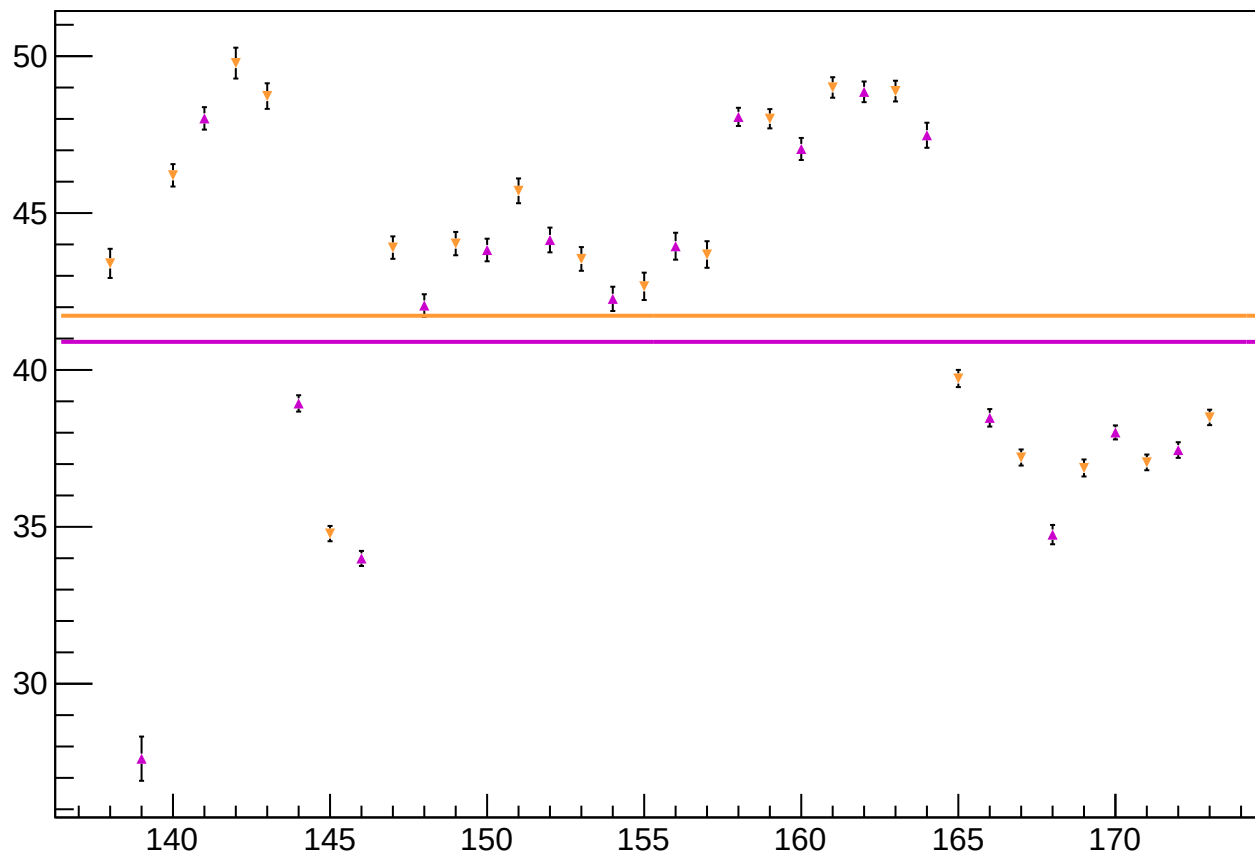
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 21.504 $\pm$ 0.088 χ^2 /NDF:5802.5/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 21.273 $\pm$ 0.089 χ^2 /NDF:5773.0/16

Left: 21.390 $\pm$ 0.063 χ^2 /NDF: 11578.9/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 21.273 $\pm$ 0.089 χ^2 /NDF:5773.0/16
 Out: 21.504 $\pm$ 0.088 χ^2 /NDF:5802.5/18
 All: 21.390 $\pm$ 0.063 χ^2 /NDF: 11578.9/35

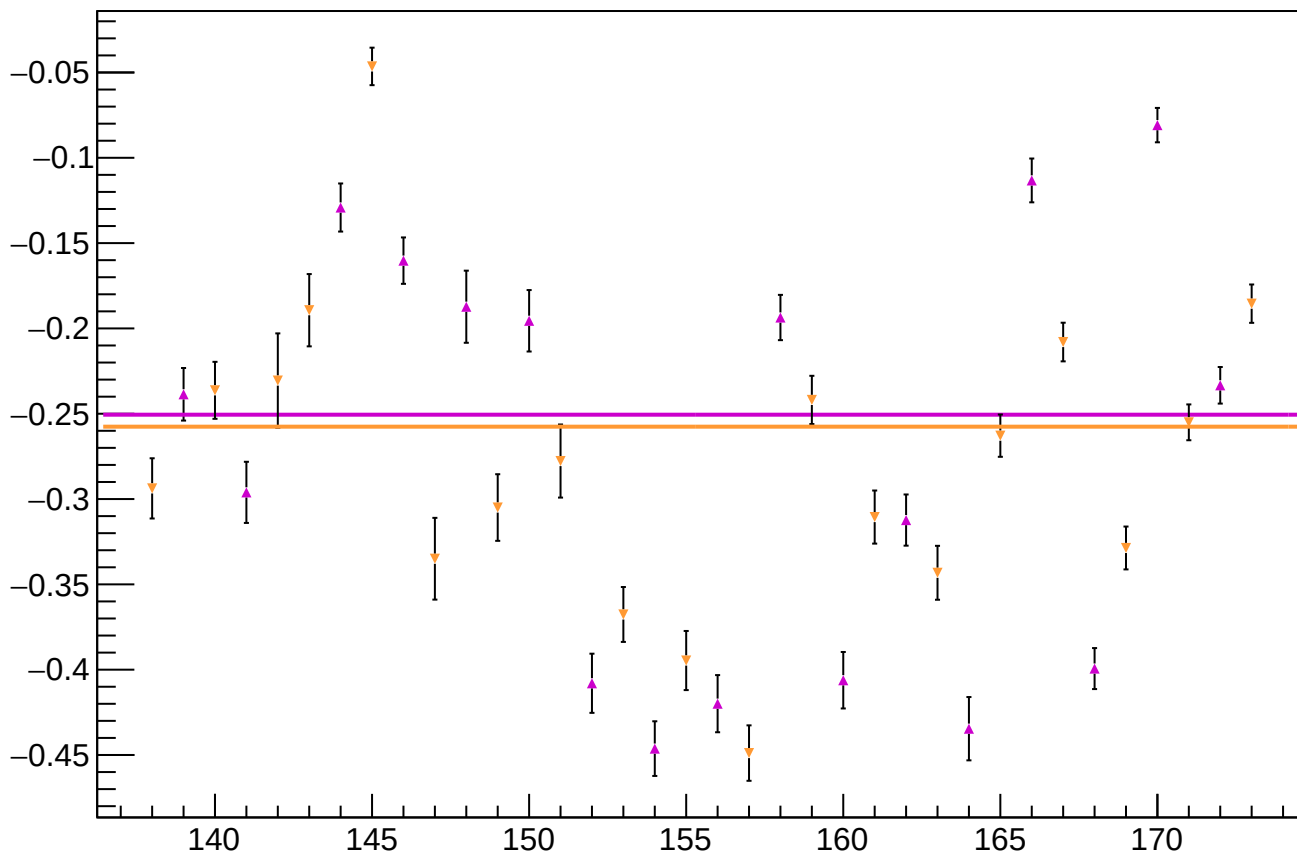
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 41.728 $\pm$ 0.074 χ^2/NDF :4357.0/18
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 40.895 $\pm$ 0.076 χ^2/NDF :4447.3/16

Left: 41.325 $\pm$ 0.053 χ^2/NDF : 8865.4/35
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 40.895 $\pm$ 0.076 χ^2/NDF :4447.3/16
 Out: 41.728 $\pm$ 0.074 χ^2/NDF :4357.0/18
 All: 41.325 $\pm$ 0.053 χ^2/NDF : 8865.4/35

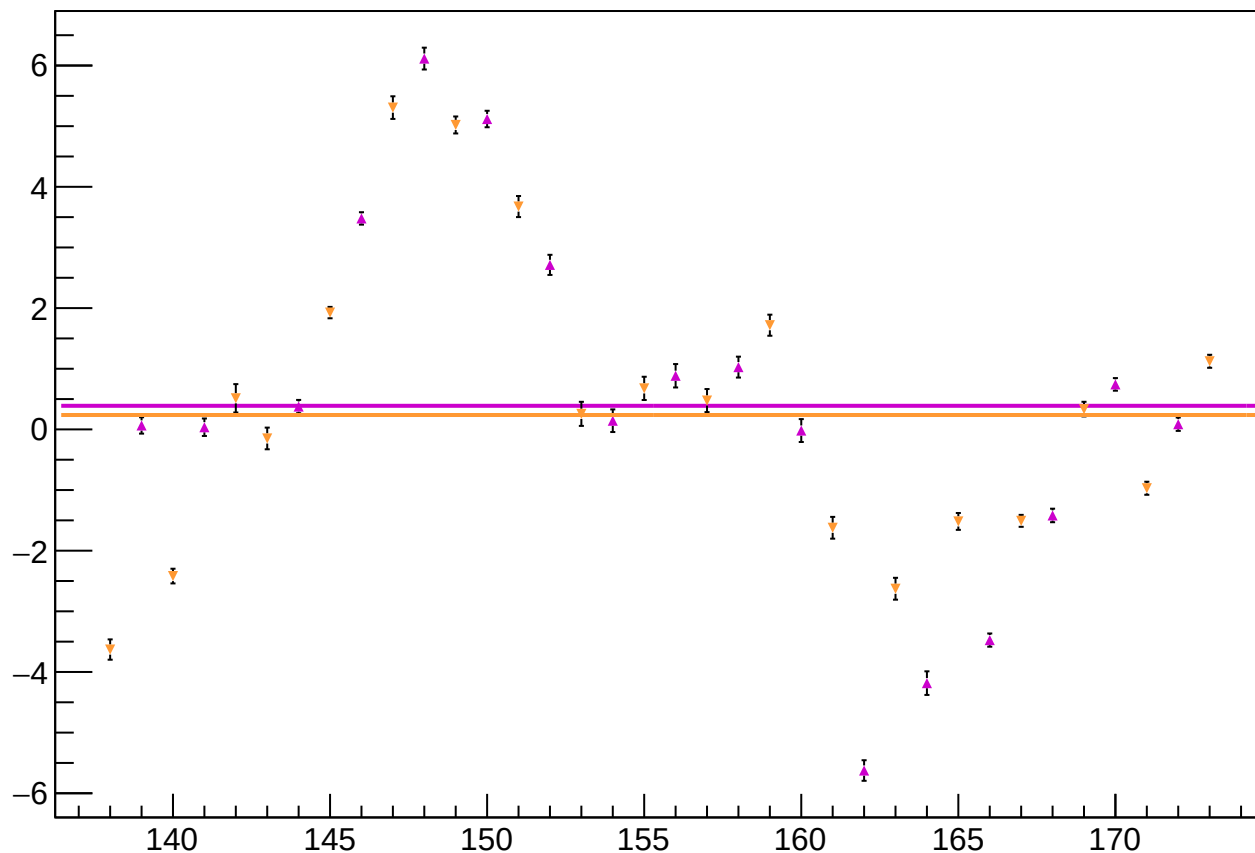
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.258 $\pm$ 0.003 χ^2 /NDF:786.7/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.251 $\pm$ 0.003 χ^2 /NDF:1253.7/16

Left: -0.254 $\pm$ 0.002 χ^2 /NDF: 2042.4/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.251 $\pm$ 0.003 χ^2 /NDF:1253.7/16
 Out: -0.258 $\pm$ 0.003 χ^2 /NDF:786.7/18
 All: -0.254 $\pm$ 0.002 χ^2 /NDF: 2042.4/35

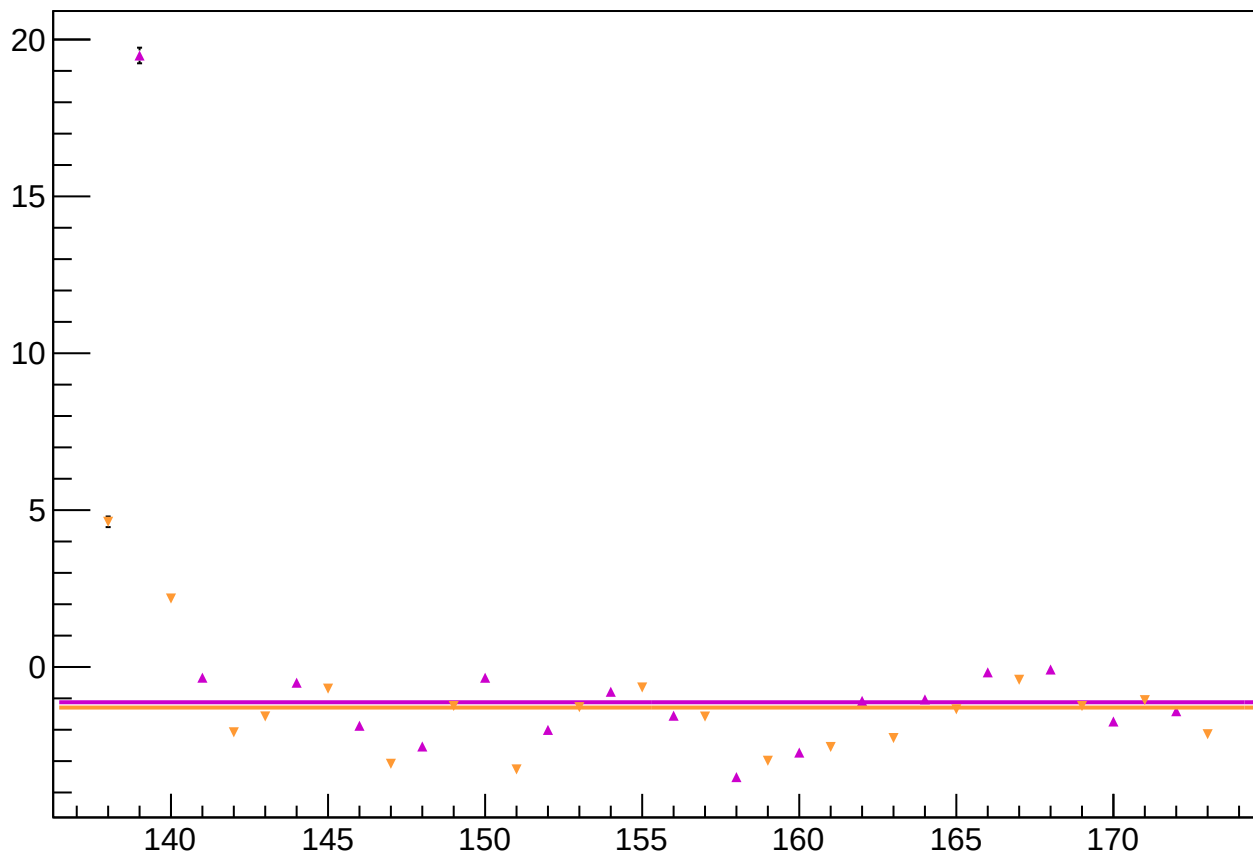
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.237+/-0.032 χ^2/NDF :4746.0/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.389+/-0.033 χ^2/NDF :6717.8/16

Left: 0.312+/-0.023 χ^2/NDF : 11474.6/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 0.389+/-0.033 χ^2/NDF :6717.8/16
 Out: 0.237+/-0.032 χ^2/NDF :4746.0/18
 All: 0.312+/-0.023 χ^2/NDF : 11474.6/35

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



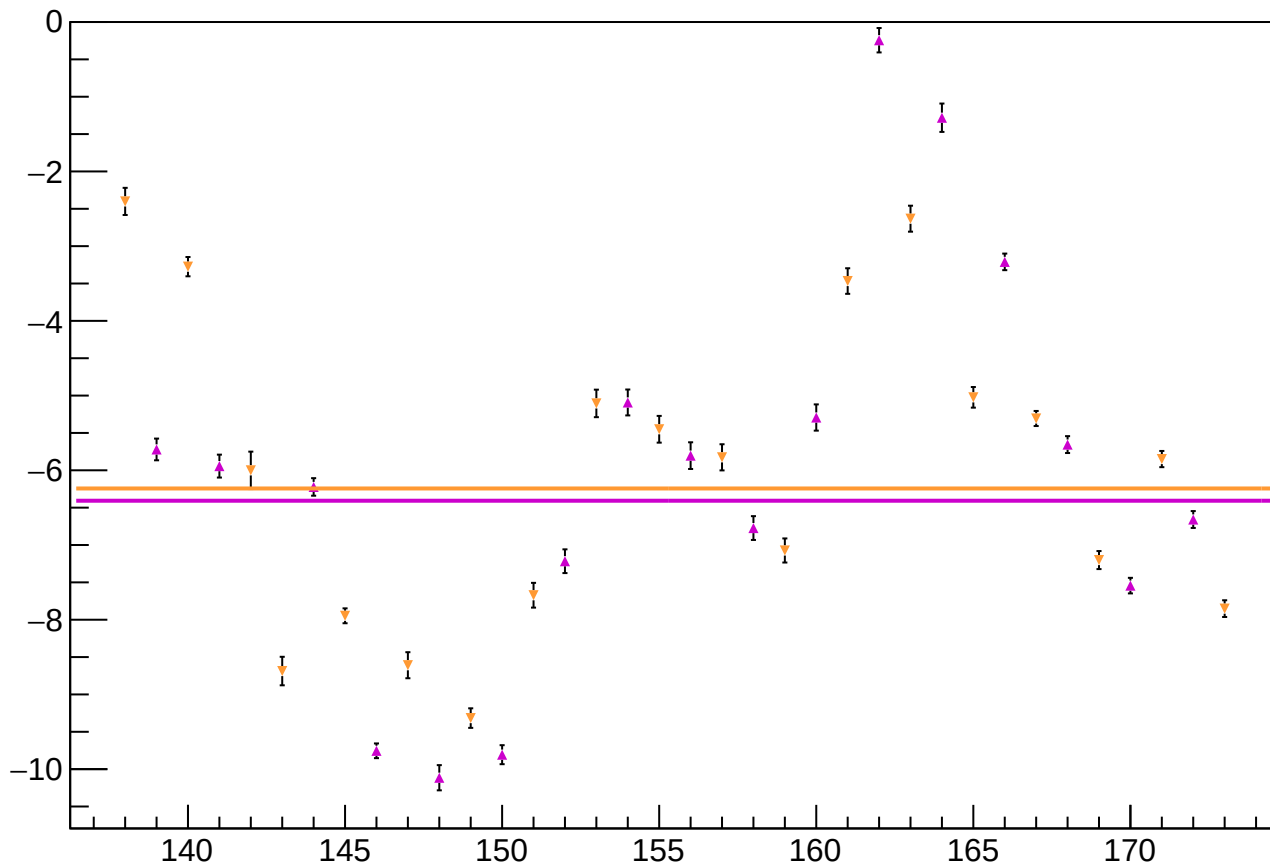
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.293+/-0.024 χ^2/NDF : 3899.3/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.124+/-0.024 χ^2/NDF : 8340.2/16

Left: -1.210+/-0.017 χ^2/NDF : 12264.0/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1.124+/-0.024 χ^2/NDF : 8340.2/16
 Out: -1.293+/-0.024 χ^2/NDF : 3899.3/18

All: -1.210+/-0.017 χ^2/NDF : 12264.0/35

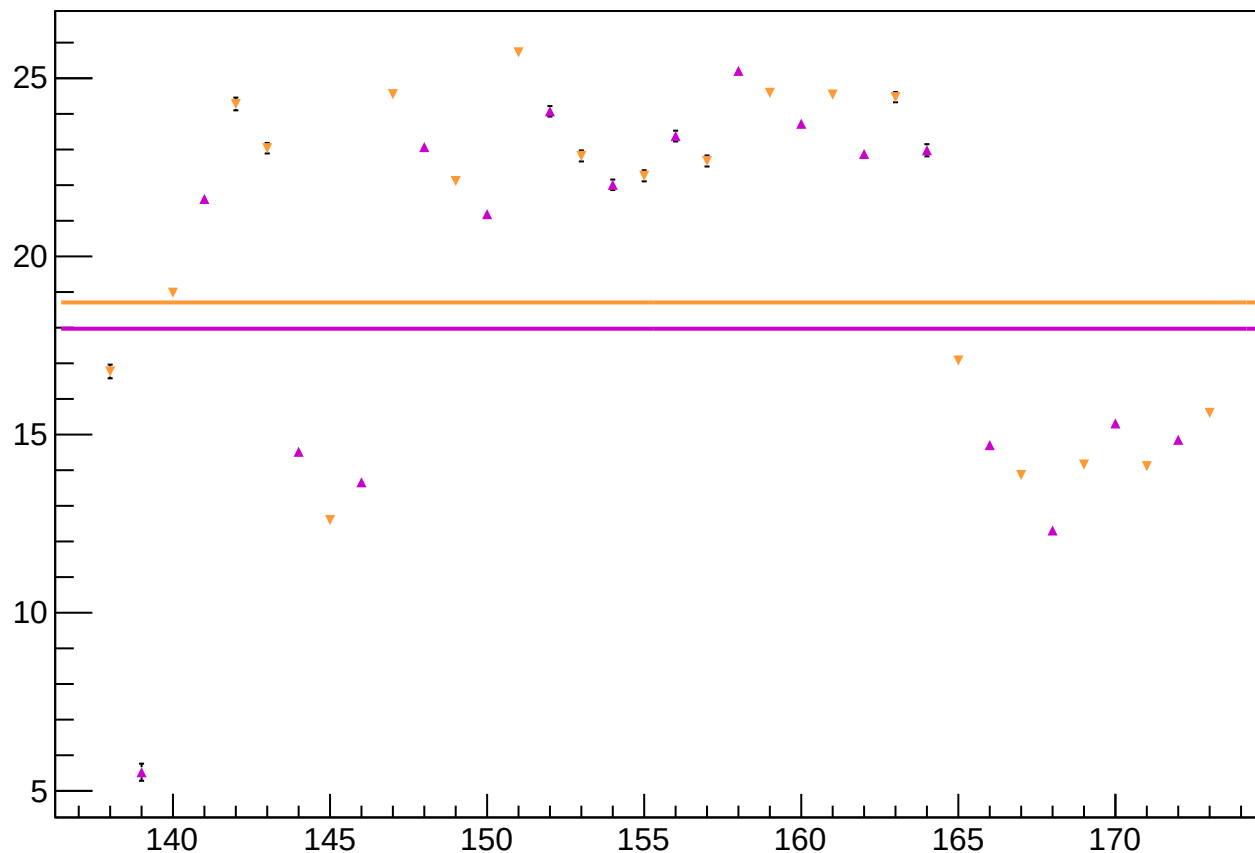
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -6.243 $\pm$ 0.033 χ^2 /NDF:3475.7/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -6.407 $\pm$ 0.033 χ^2 /NDF:5680.2/16

Left: -6.325 $\pm$ 0.023 χ^2 /NDF: 9168.5/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -6.407 $\pm$ 0.033 χ^2 /NDF:5680.2/16
 Out: -6.243 $\pm$ 0.033 χ^2 /NDF:3475.7/18
 All: -6.325 $\pm$ 0.023 χ^2 /NDF: 9168.5/35

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: 18.708+/-0.027 χ^2/NDF :29277.7/18

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

Left In: 17.971+/-0.028 χ^2/NDF :26949.2/16

Left: 18.349+/-0.020 χ^2/NDF : 56579.8/35

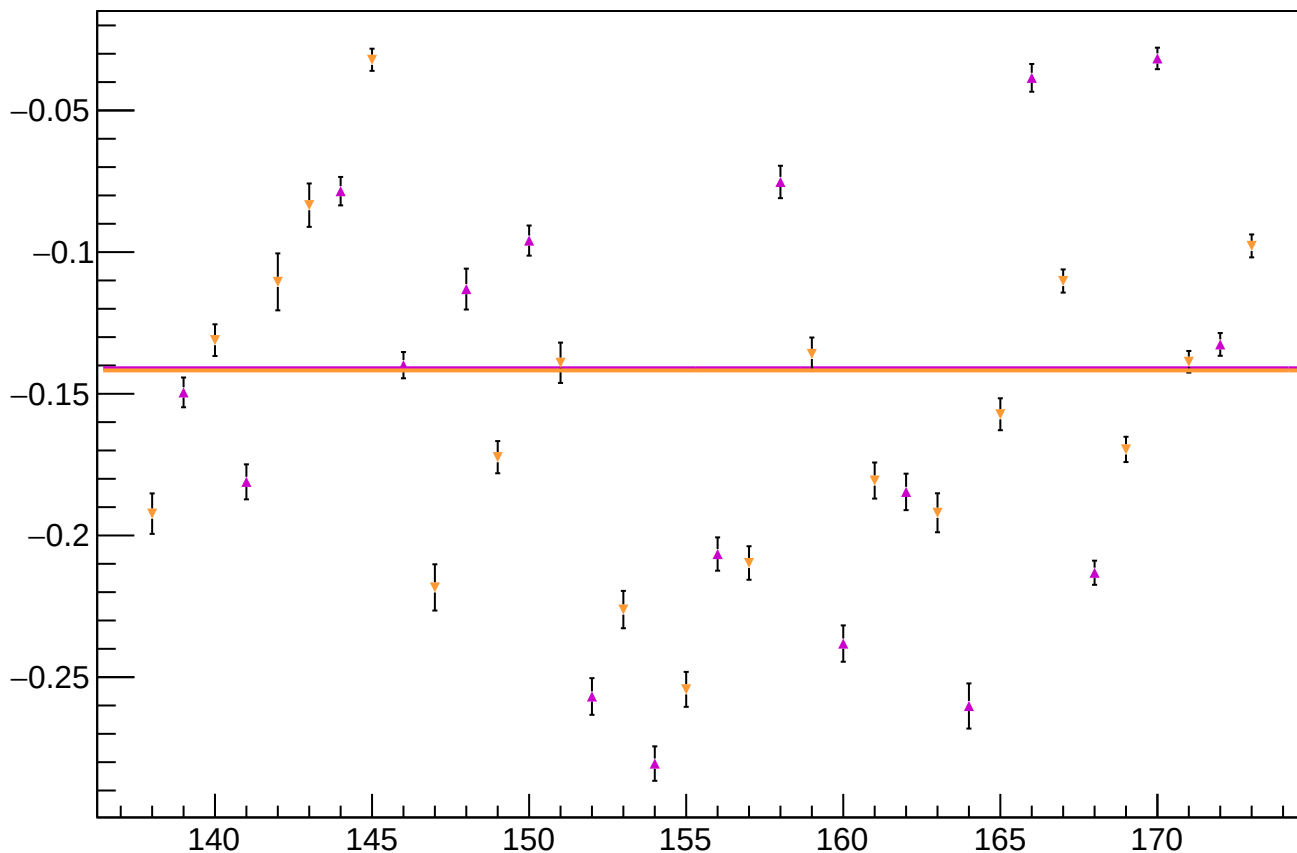
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 17.971+/-0.028 χ^2/NDF :26949.2/16

Out: 18.708+/-0.027 χ^2/NDF :29277.7/18

All: 18.349+/-0.020 χ^2/NDF : 56579.8/35

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: -0.142+/-0.001 χ^2/NDF :1971.0/18

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

Left In: -0.141+/-0.001 χ^2/NDF :3448.9/16

Left: -0.141+/-0.001 χ^2/NDF : 5420.1/35

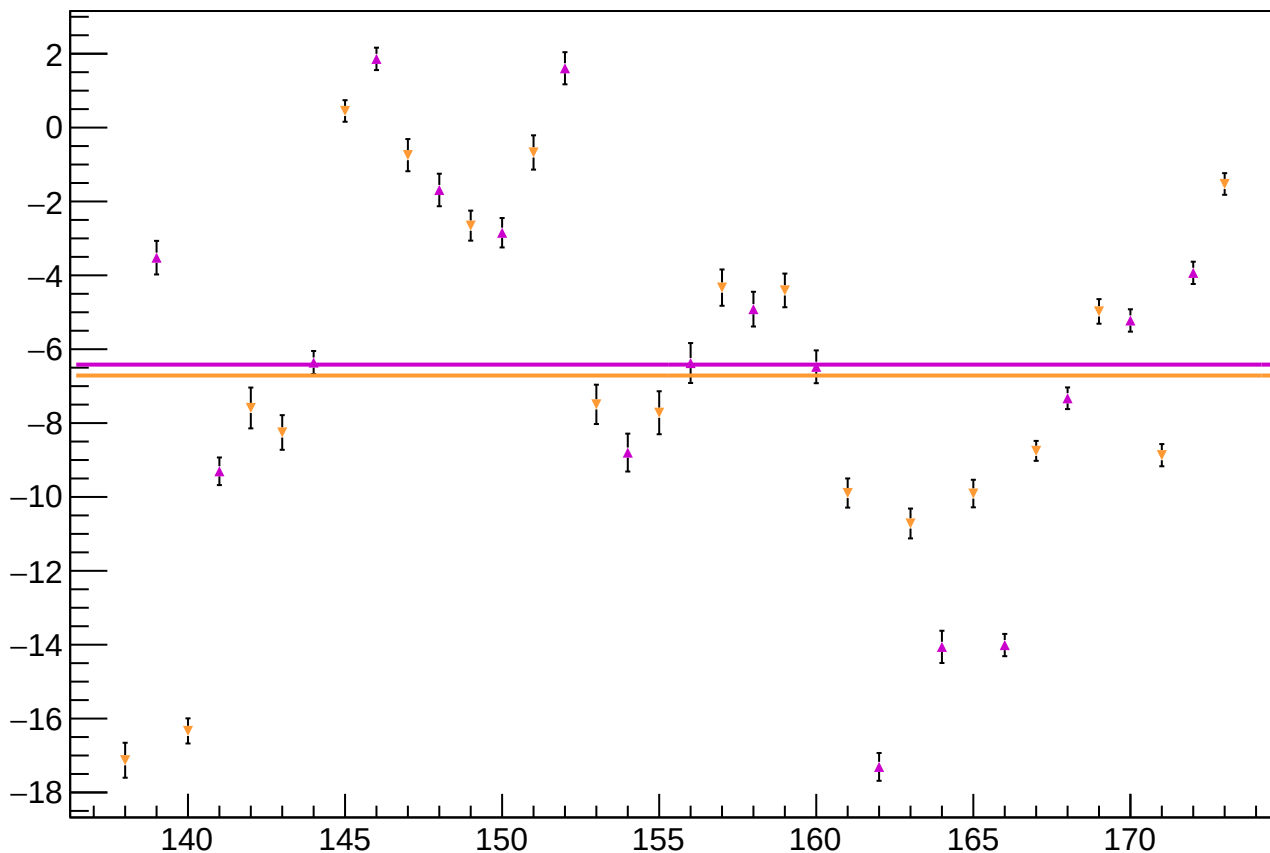
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -0.141+/-0.001 χ^2/NDF :3448.9/16

Out: -0.142+/-0.001 χ^2/NDF :1971.0/18

All: -0.141+/-0.001 χ^2/NDF : 5420.1/35

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



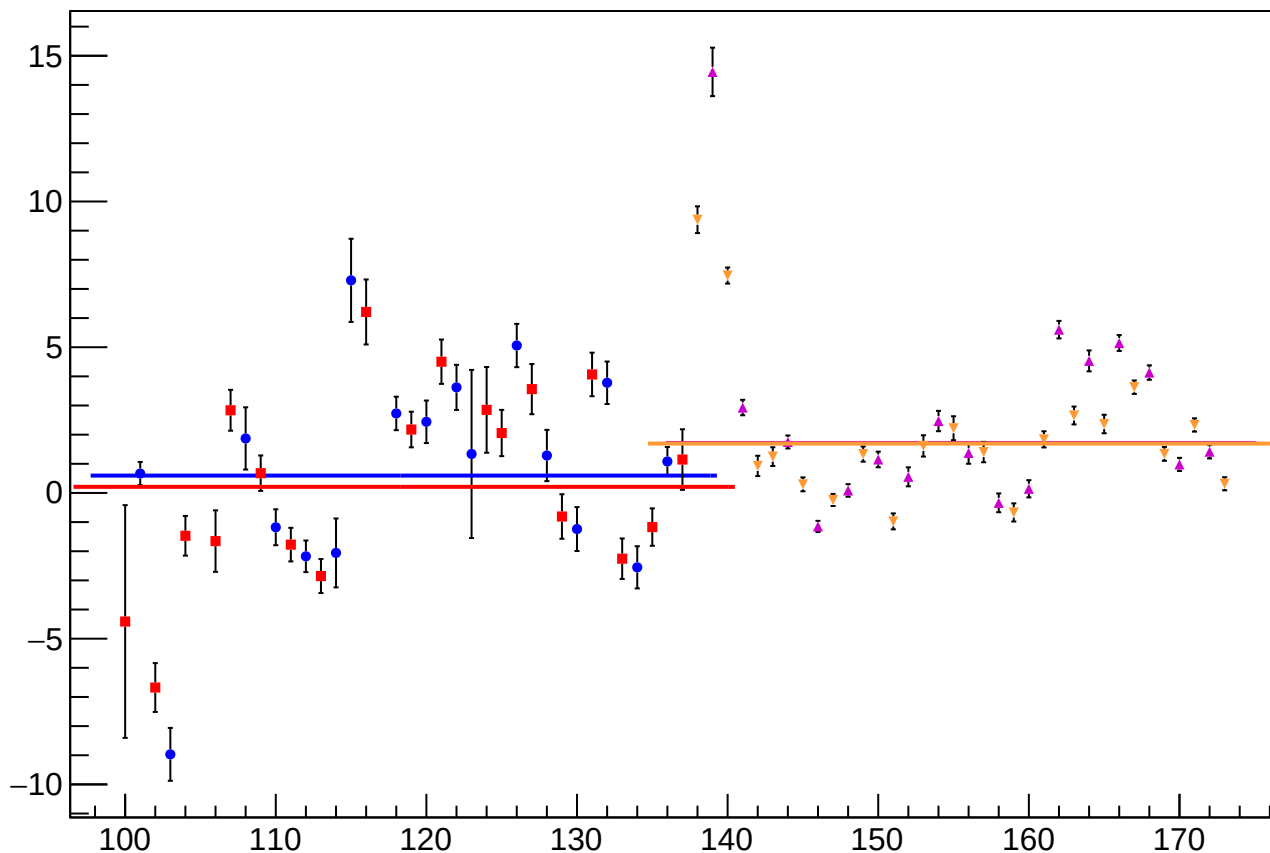
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -6.712+/-0.088 χ^2/NDF :3096.1/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -6.417+/-0.090 χ^2/NDF :3282.6/16

Left: -6.568+/-0.063 χ^2/NDF : 6384.3/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -6.417+/-0.090 χ^2/NDF :3282.6/16
 Out: -6.712+/-0.088 χ^2/NDF :3096.1/18

All: -6.568+/-0.063 χ^2/NDF : 6384.3/35

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.596 $\pm$ 0.169 χ^2 /NDF: 291.2/16

Left Out: 1.695 $\pm$ 0.064 χ^2 /NDF:1132.5/18

Right Out: 0.209 $\pm$ 0.175 χ^2 /NDF: 273.5/18

Left In: 1.715 $\pm$ 0.066 χ^2 /NDF:1124.0/16

Left: 1.705 $\pm$ 0.046 χ^2 /NDF: 2256.5/35

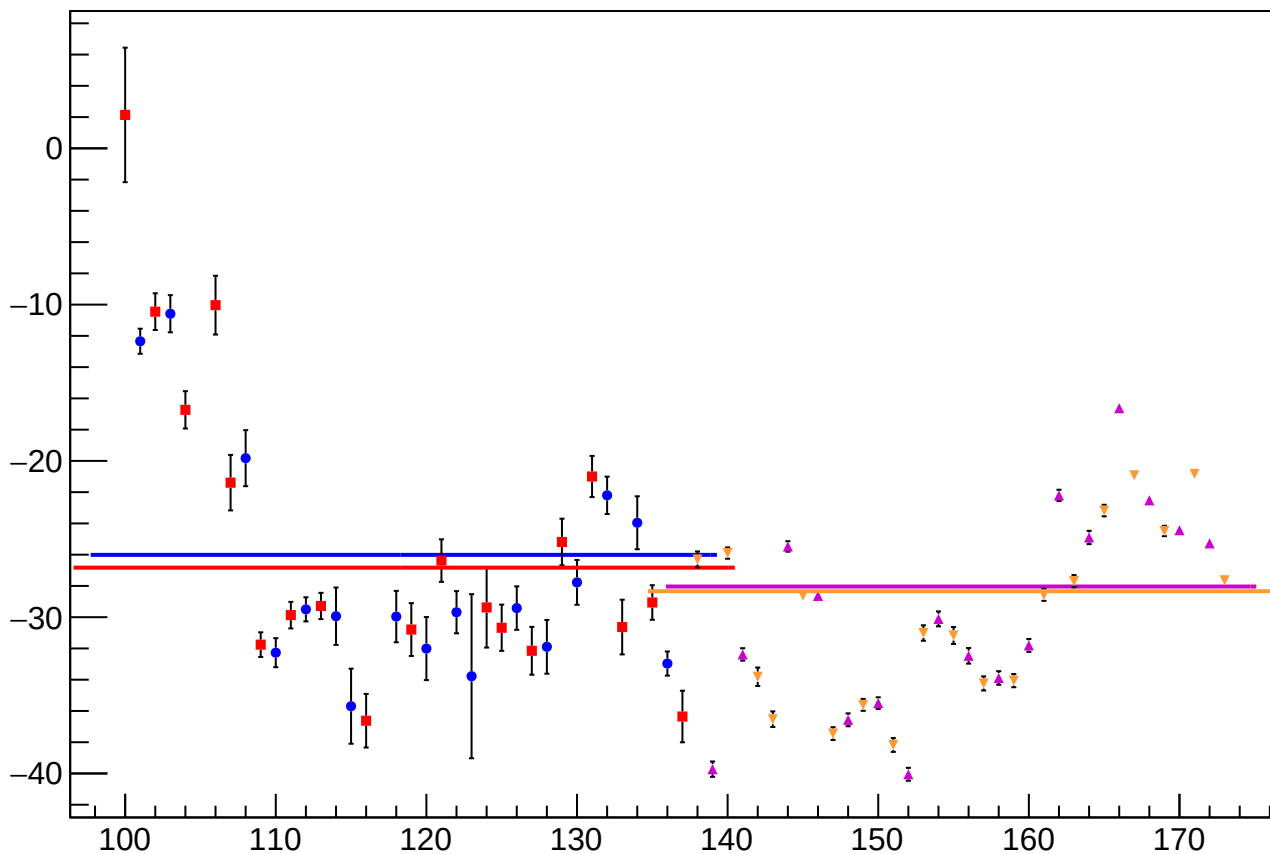
Right: 0.409 $\pm$ 0.121 χ^2 /NDF: 567.2/35

In: 1.568 $\pm$ 0.061 χ^2 /NDF:1453.3/33

Out: 1.520 $\pm$ 0.060 χ^2 /NDF:1469.8/37

All: 1.543 $\pm$ 0.043 χ^2 /NDF: 2923.4/71

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: -28.336 ± 0.088 χ^2/NDF : 3857.1/18

Right Out: -26.829 ± 0.297 χ^2/NDF : 581.6/18

Left In: -28.037 ± 0.089 χ^2/NDF : 5030.6/16

Left: -28.188 ± 0.063 χ^2/NDF : 8893.4/35

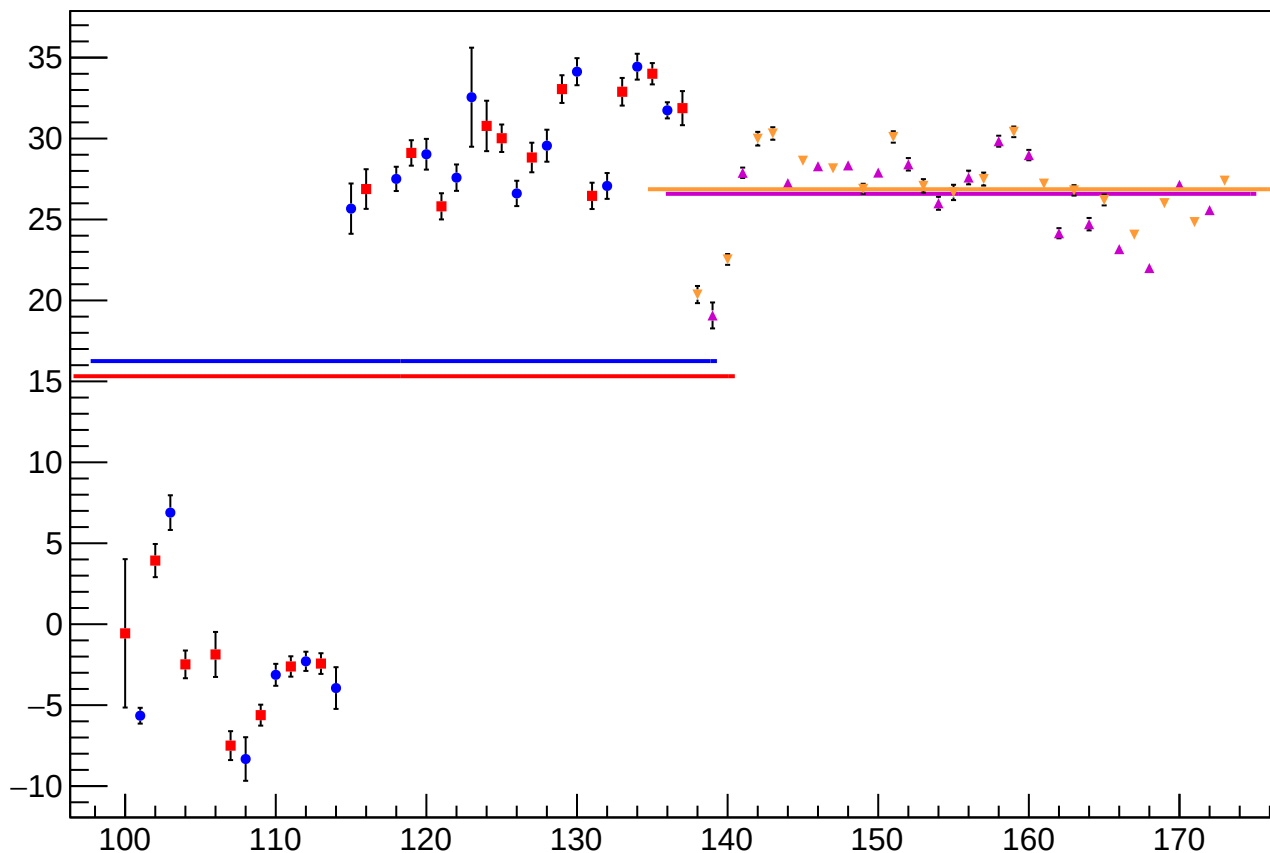
Right: -26.423 ± 0.211 χ^2/NDF : 1278.3/35

In: -27.872 ± 0.085 χ^2/NDF : 5765.5/33

Out: -28.215 ± 0.084 χ^2/NDF : 4462.3/37

All: -28.046 ± 0.060 χ^2/NDF : 10236.0/71

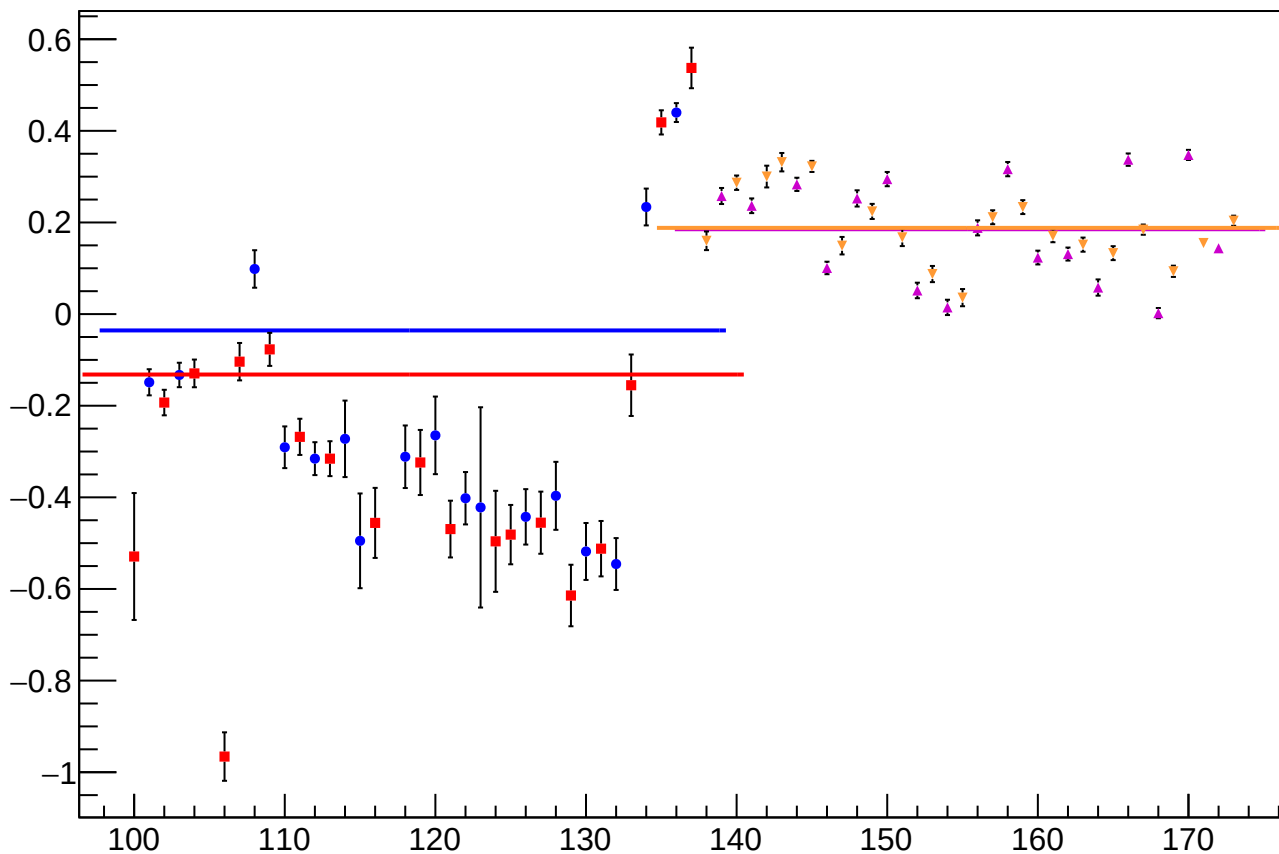
reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 16.253 $\pm$ 0.191 χ^2 /NDF: 7611.3/16
 Left Out: 26.869 $\pm$ 0.073 χ^2 /NDF: 925.5/18
 Right Out: 15.318 $\pm$ 0.197 χ^2 /NDF: 7280.1/18
 Left In: 26.585 $\pm$ 0.076 χ^2 /NDF: 885.6/16

Left: 26.732 $\pm$ 0.053 χ^2 /NDF: 1818.3/35
 Right: 15.800 $\pm$ 0.137 χ^2 /NDF: 14903.0/35
 In: 25.182 $\pm$ 0.070 χ^2 /NDF: 11025.1/33
 Out: 25.466 $\pm$ 0.069 χ^2 /NDF: 11226.2/37
 All: 25.327 $\pm$ 0.049 χ^2 /NDF: 22259.6/71

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: 0.188 ± 0.003 χ^2/NDF : 447.6/18

Right Out: -0.132 ± 0.010 χ^2/NDF : 1171.3/18

Left In: 0.185 ± 0.003 χ^2/NDF : 1117.4/16

Left: 0.187 ± 0.002 χ^2/NDF : 1565.3/35

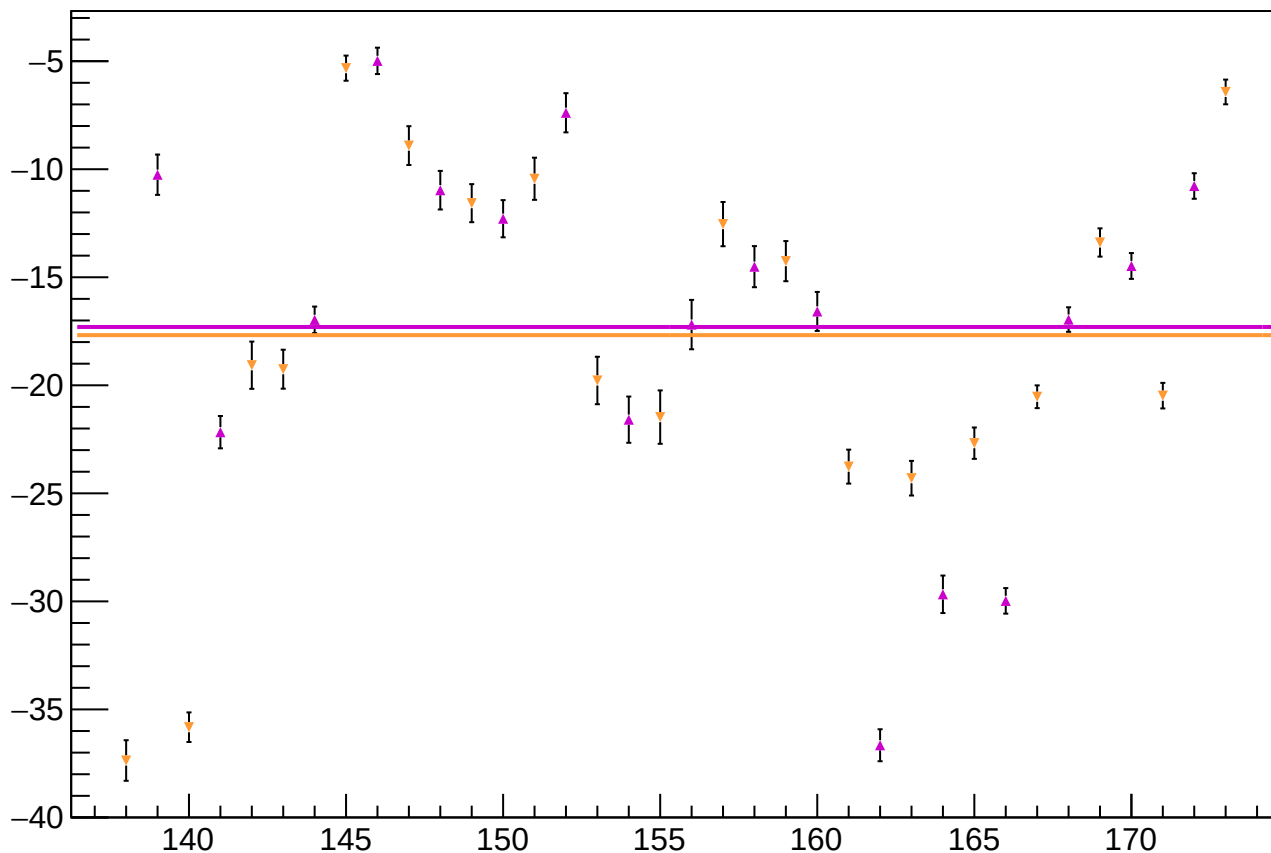
Right: -0.084 ± 0.007 χ^2/NDF : 2229.1/35

In: 0.162 ± 0.003 χ^2/NDF : 2543.4/33

Out: 0.157 ± 0.003 χ^2/NDF : 2481.0/37

All: 0.160 ± 0.002 χ^2/NDF : 5025.7/71

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: -17.679+/-0.176 χ^2/NDF :2506.2/18

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

Left In: -17.300+/-0.180 χ^2/NDF :2225.6/16

Left: -17.494+/-0.126 χ^2/NDF : 4734.1/35

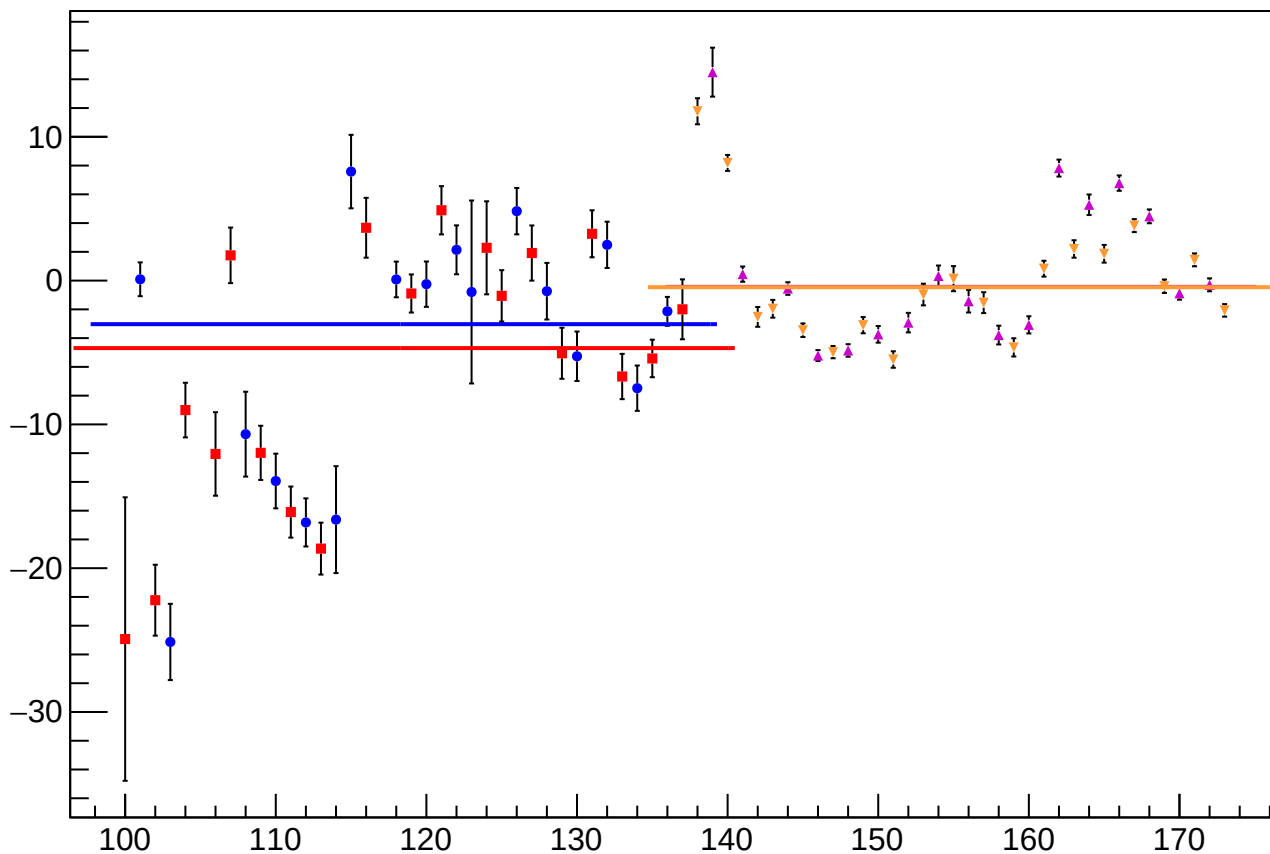
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -17.300+/-0.180 χ^2/NDF :2225.6/16

Out: -17.679+/-0.176 χ^2/NDF :2506.2/18

All: -17.494+/-0.126 χ^2/NDF : 4734.1/35

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.030 ± 0.408 $\chi^2/\text{NDF}: 280.8/16$

Left Out: -0.459 ± 0.128 $\chi^2/\text{NDF}: 897.7/18$

Right Out: -4.694 ± 0.427 $\chi^2/\text{NDF}: 298.3/18$

Left In: -0.435 ± 0.131 $\chi^2/\text{NDF}: 985.1/16$

Left: -0.447 ± 0.092 $\chi^2/\text{NDF}: 1882.8/35$

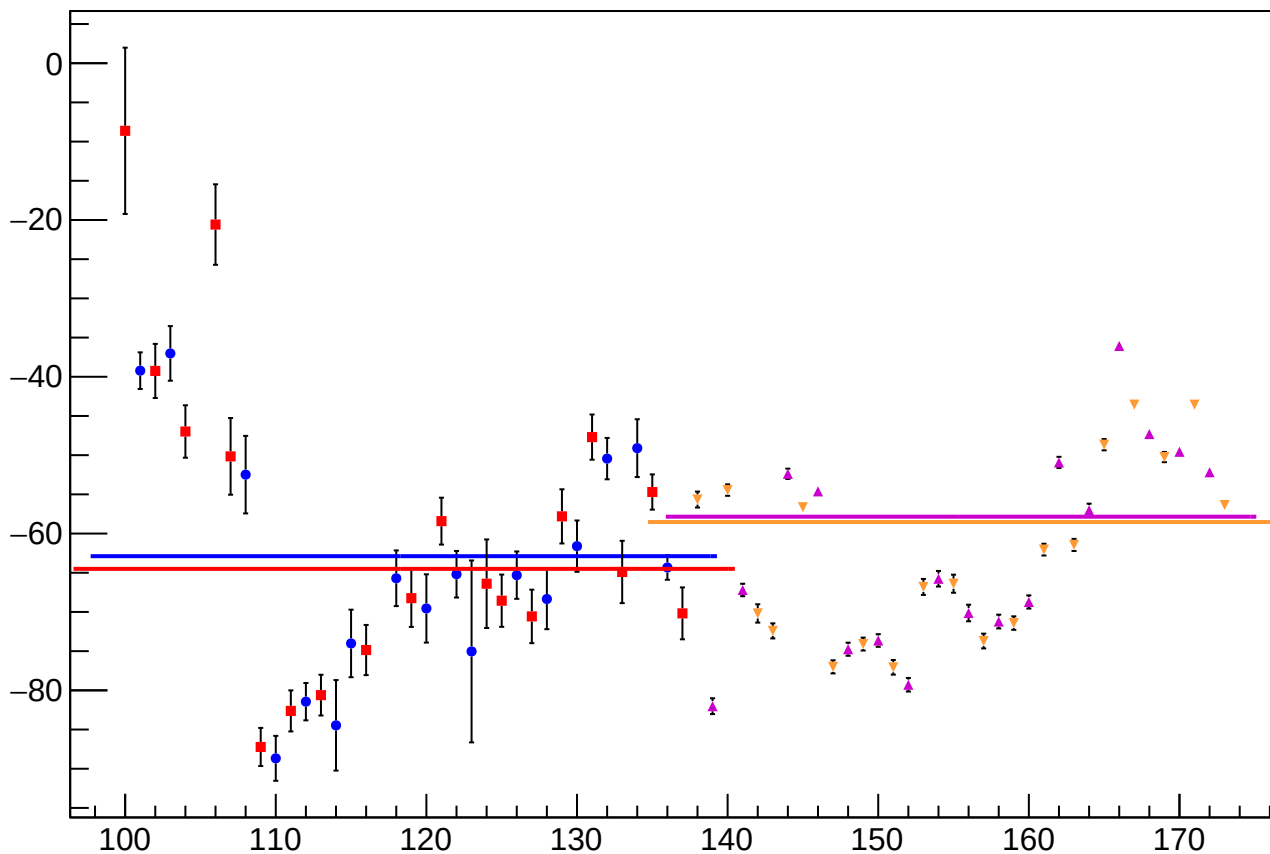
Right: -3.824 ± 0.295 $\chi^2/\text{NDF}: 587.0/35$

In: -0.680 ± 0.125 $\chi^2/\text{NDF}: 1302.7/33$

Out: -0.808 ± 0.123 $\chi^2/\text{NDF}: 1286.3/37$

All: -0.745 ± 0.088 $\chi^2/\text{NDF}: 2589.5/71$

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: -58.525 ± 0.176 $\chi^2/\text{NDF}: 3991.1/18$

Right Out: -64.502 ± 0.751 $\chi^2/\text{NDF}: 444.1/18$

Left In: -57.850 ± 0.179 $\chi^2/\text{NDF}: 4830.9/16$

Left: -58.192 ± 0.125 $\chi^2/\text{NDF}: 8829.2/35$

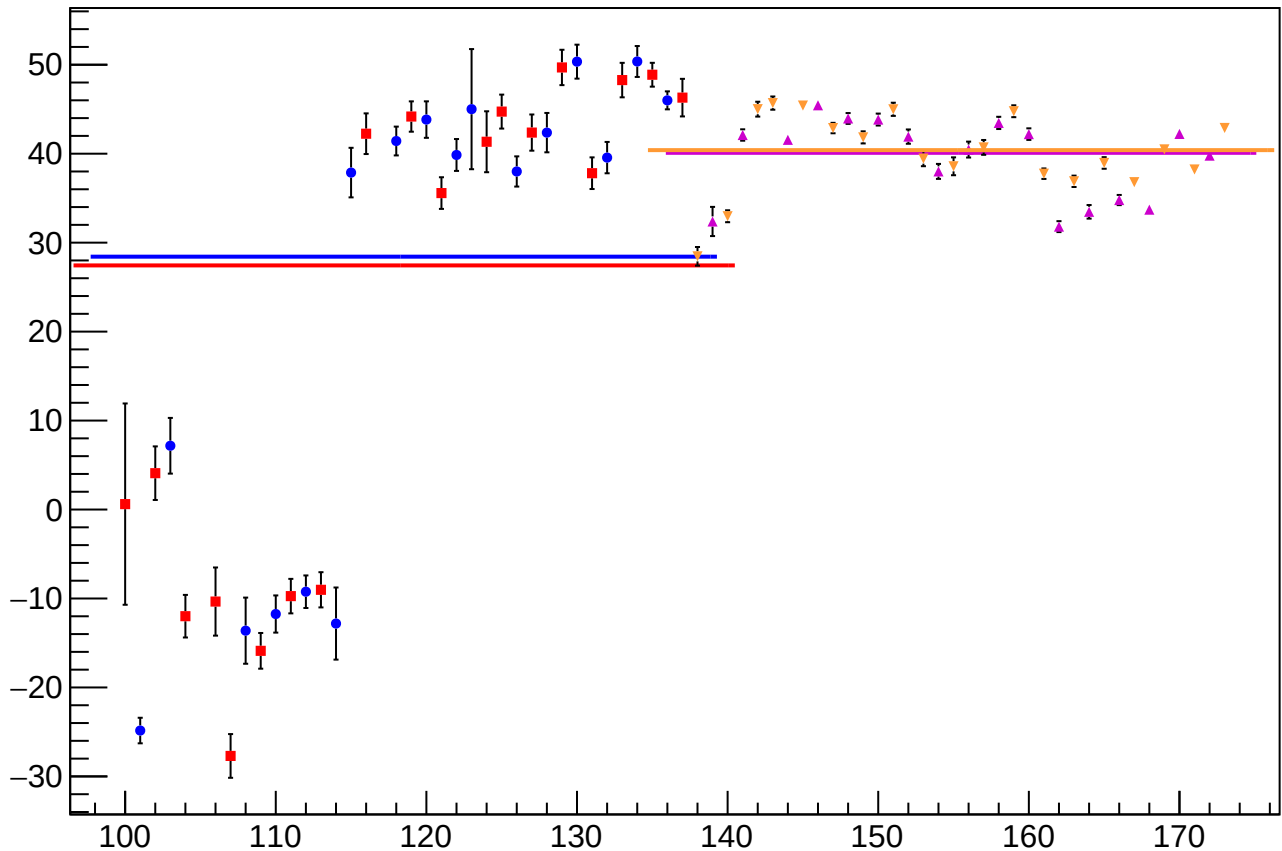
Right: -63.680 ± 0.526 $\chi^2/\text{NDF}: 815.2/35$

In: -58.128 ± 0.174 $\chi^2/\text{NDF}: 5243.6/33$

Out: -58.836 ± 0.171 $\chi^2/\text{NDF}: 4495.2/37$

All: -58.487 ± 0.122 $\chi^2/\text{NDF}: 9747.2/71$

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.425 ± 0.457 $\chi^2/\text{NDF}: 3330.3/16$

Left Out: 40.400 ± 0.147 $\chi^2/\text{NDF}: 681.0/18$

Right Out: 27.441 ± 0.479 $\chi^2/\text{NDF}: 3033.0/18$

Left In: 40.099 ± 0.152 $\chi^2/\text{NDF}: 776.9/16$

Left: 40.254 ± 0.105 $\chi^2/\text{NDF}: 1459.9/35$

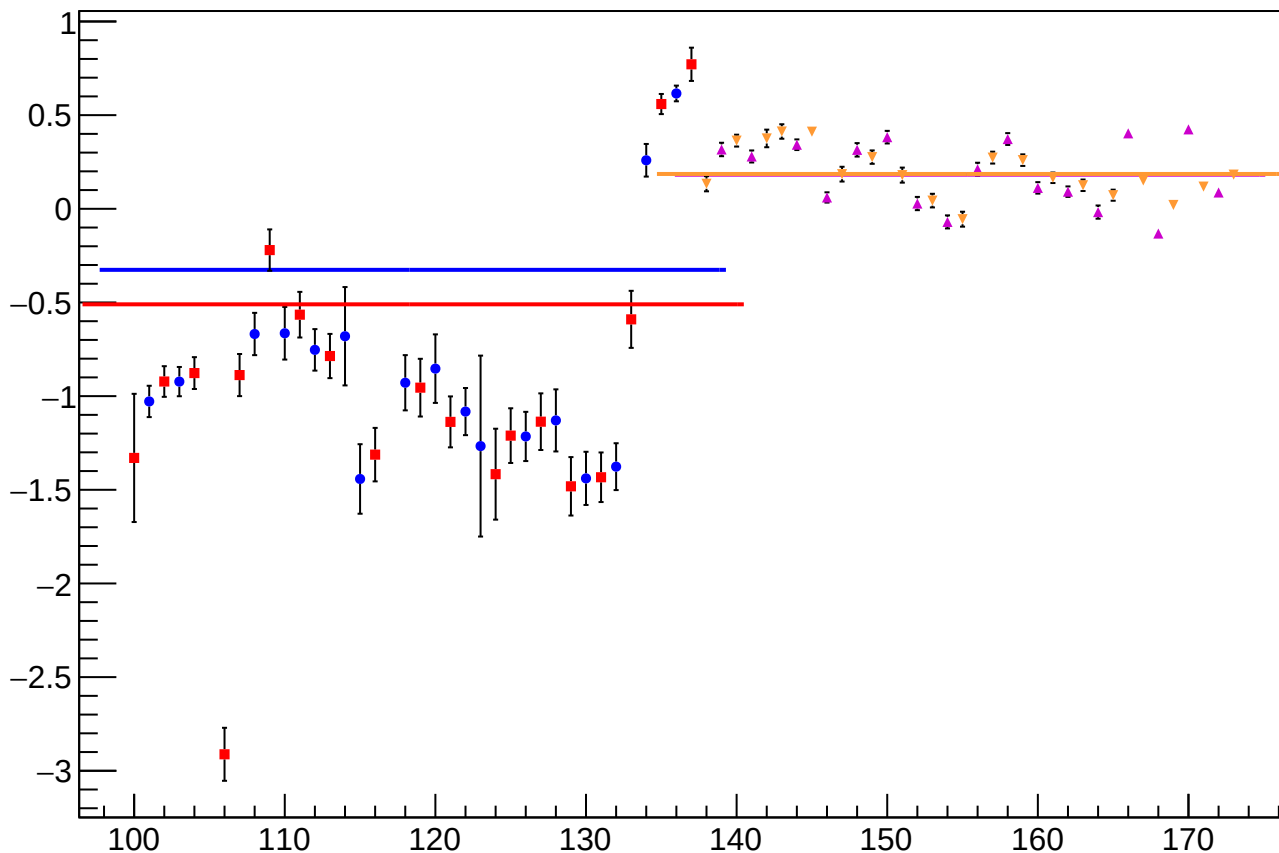
Right: 27.956 ± 0.331 $\chi^2/\text{NDF}: 6365.5/35$

In: 38.942 ± 0.144 $\chi^2/\text{NDF}: 4694.8/33$

Out: 39.289 ± 0.140 $\chi^2/\text{NDF}: 4384.1/37$

All: 39.120 ± 0.100 $\chi^2/\text{NDF}: 9081.9/71$

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: 0.186 ± 0.007 χ^2/NDF : 321.0/18

Right Out: -0.510 ± 0.026 χ^2/NDF : 1169.4/18

Left In: 0.182 ± 0.007 χ^2/NDF : 699.3/16

Left: 0.184 ± 0.005 χ^2/NDF : 1020.4/35

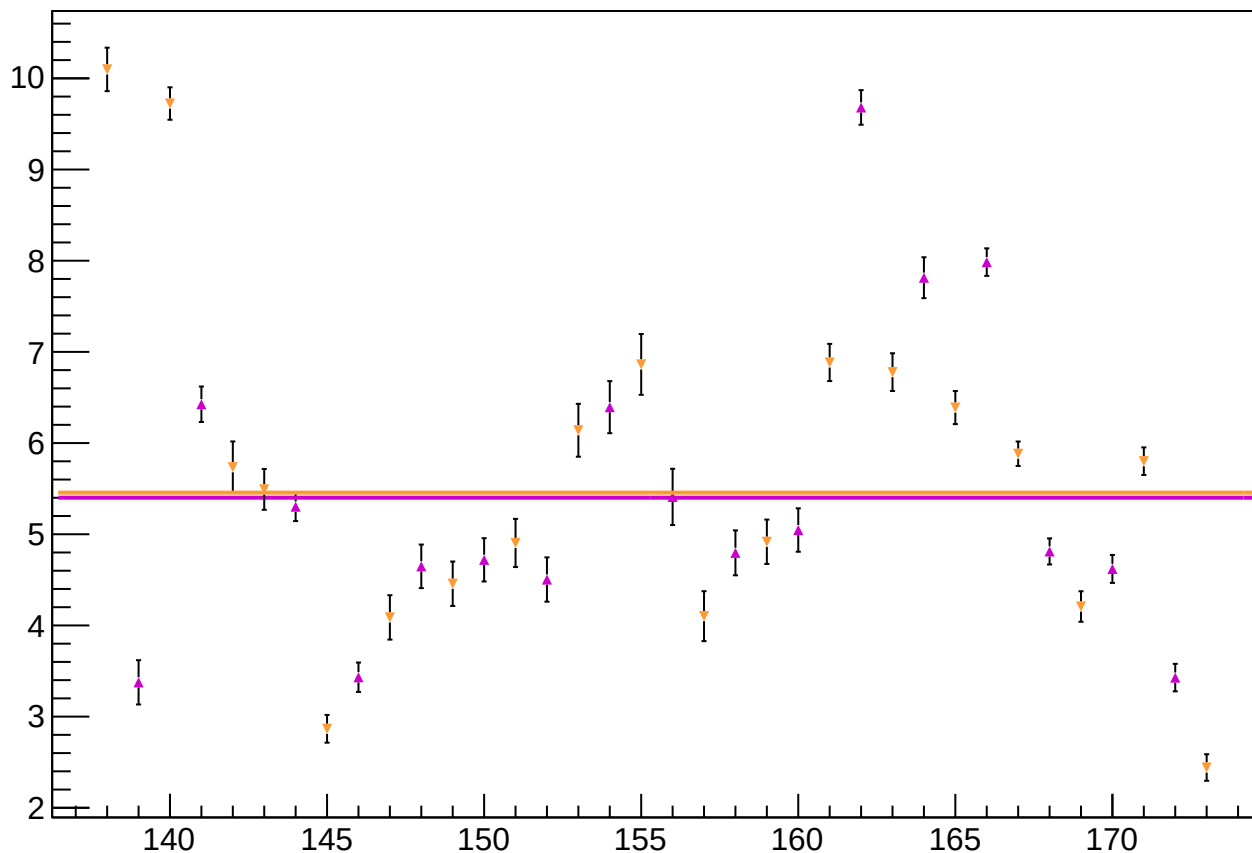
Right: -0.415 ± 0.018 χ^2/NDF : 2208.8/35

In: 0.145 ± 0.007 χ^2/NDF : 2097.9/33

Out: 0.140 ± 0.007 χ^2/NDF : 2175.6/37

All: 0.143 ± 0.005 χ^2/NDF : 4273.7/71

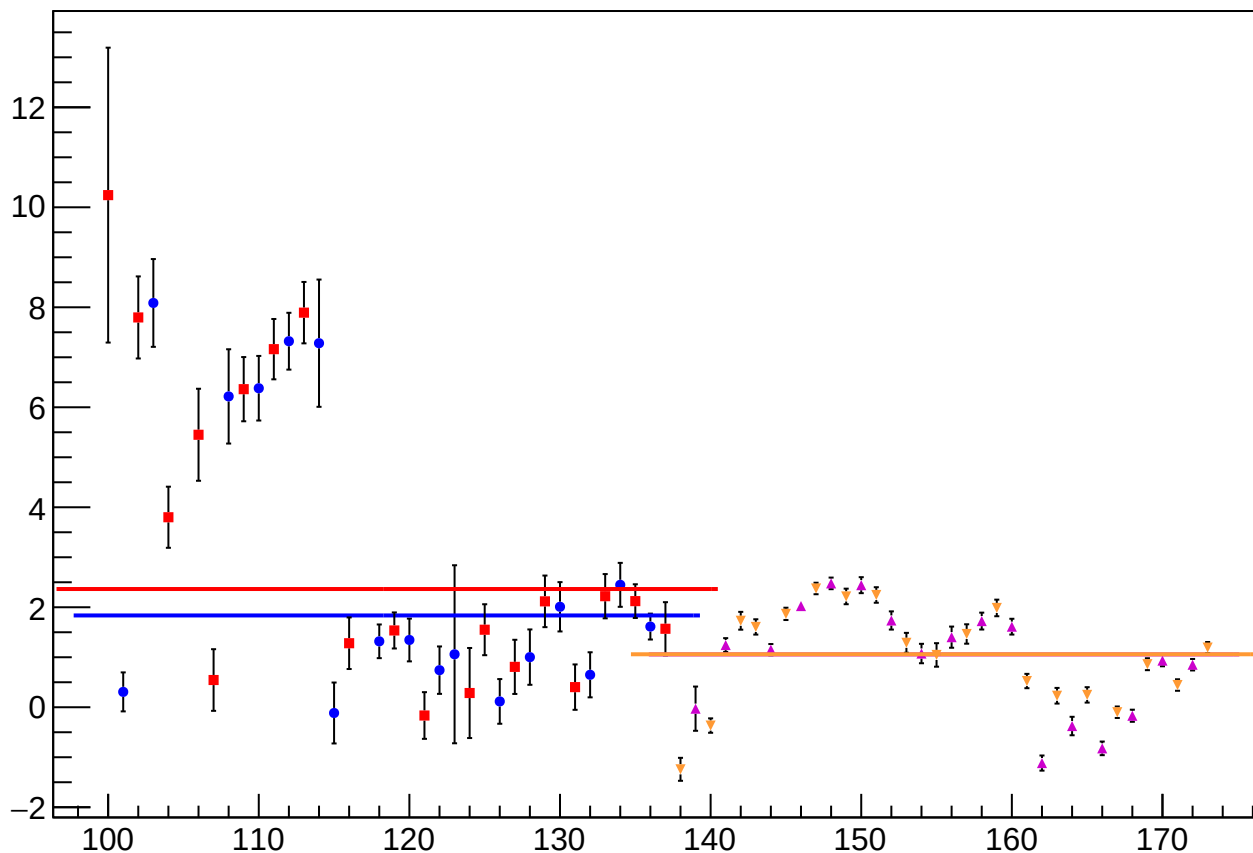
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 5.457 $\pm$ 0.045 χ^2/NDF :1966.2/18
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 5.401 $\pm$ 0.047 χ^2/NDF :1430.0/16

Left: 5.430 $\pm$ 0.033 χ^2/NDF : 3396.9/35
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 5.401 $\pm$ 0.047 χ^2/NDF :1430.0/16
 Out: 5.457 $\pm$ 0.045 χ^2/NDF :1966.2/18
 All: 5.430 $\pm$ 0.033 χ^2/NDF : 3396.9/35

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.836 ± 0.116 χ^2/NDF : 294.9/16

Left Out: 1.060 ± 0.033 χ^2/NDF : 753.2/18

Right Out: 2.365 ± 0.123 χ^2/NDF : 336.4/18

Left In: 1.057 ± 0.034 χ^2/NDF : 939.1/16

Left: 1.058 ± 0.024 χ^2/NDF : 1692.3/35

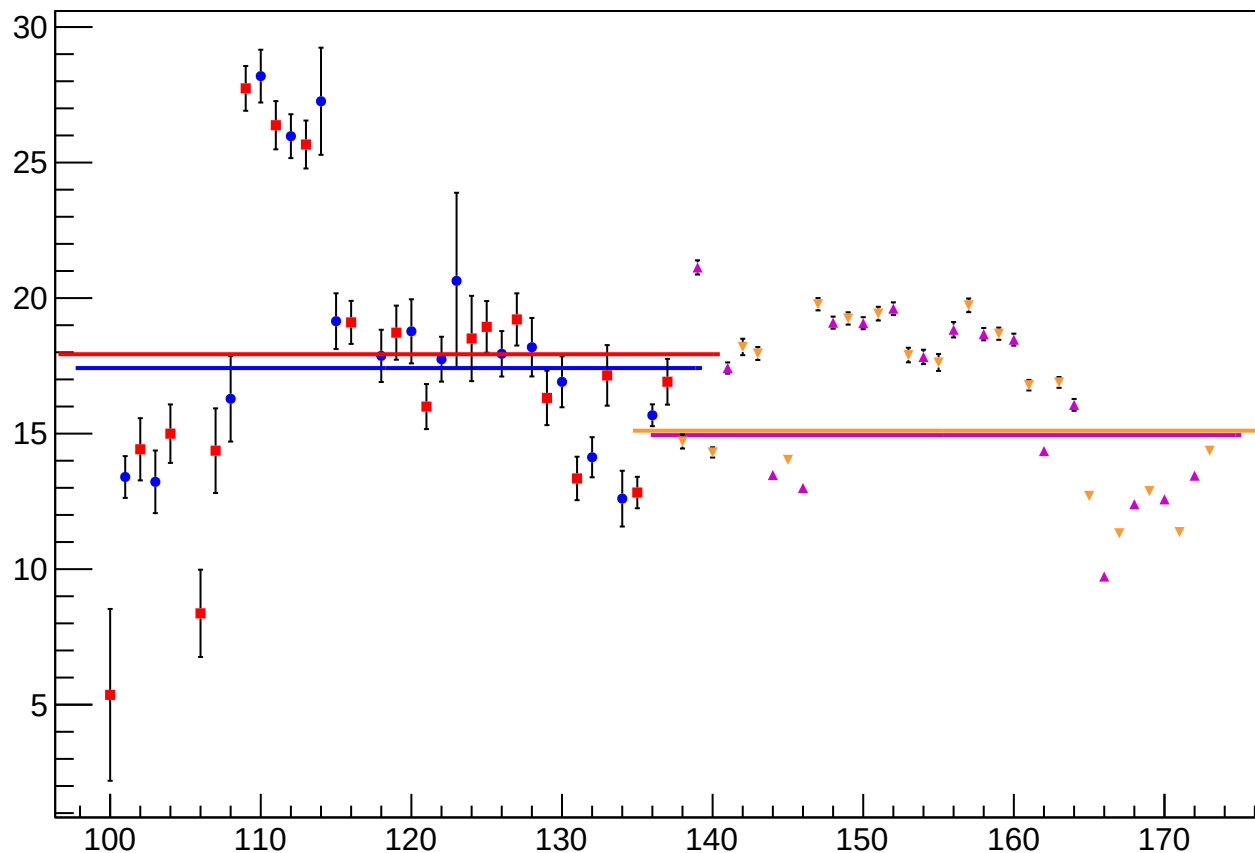
Right: 2.086 ± 0.084 χ^2/NDF : 641.1/35

In: 1.119 ± 0.033 χ^2/NDF : 1275.5/33

Out: 1.149 ± 0.032 χ^2/NDF : 1195.1/37

All: 1.134 ± 0.023 χ^2/NDF : 2471.1/71

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.418 ± 0.212 $\chi^2/\text{NDF}: 366.8/16$

Left Out: 15.109 ± 0.046 $\chi^2/\text{NDF}: 4012.5/18$

Right Out: 17.929 ± 0.219 $\chi^2/\text{NDF}: 506.3/18$

Left In: 14.946 ± 0.046 $\chi^2/\text{NDF}: 4681.0/16$

Left: 15.029 ± 0.033 $\chi^2/\text{NDF}: 8699.7/35$

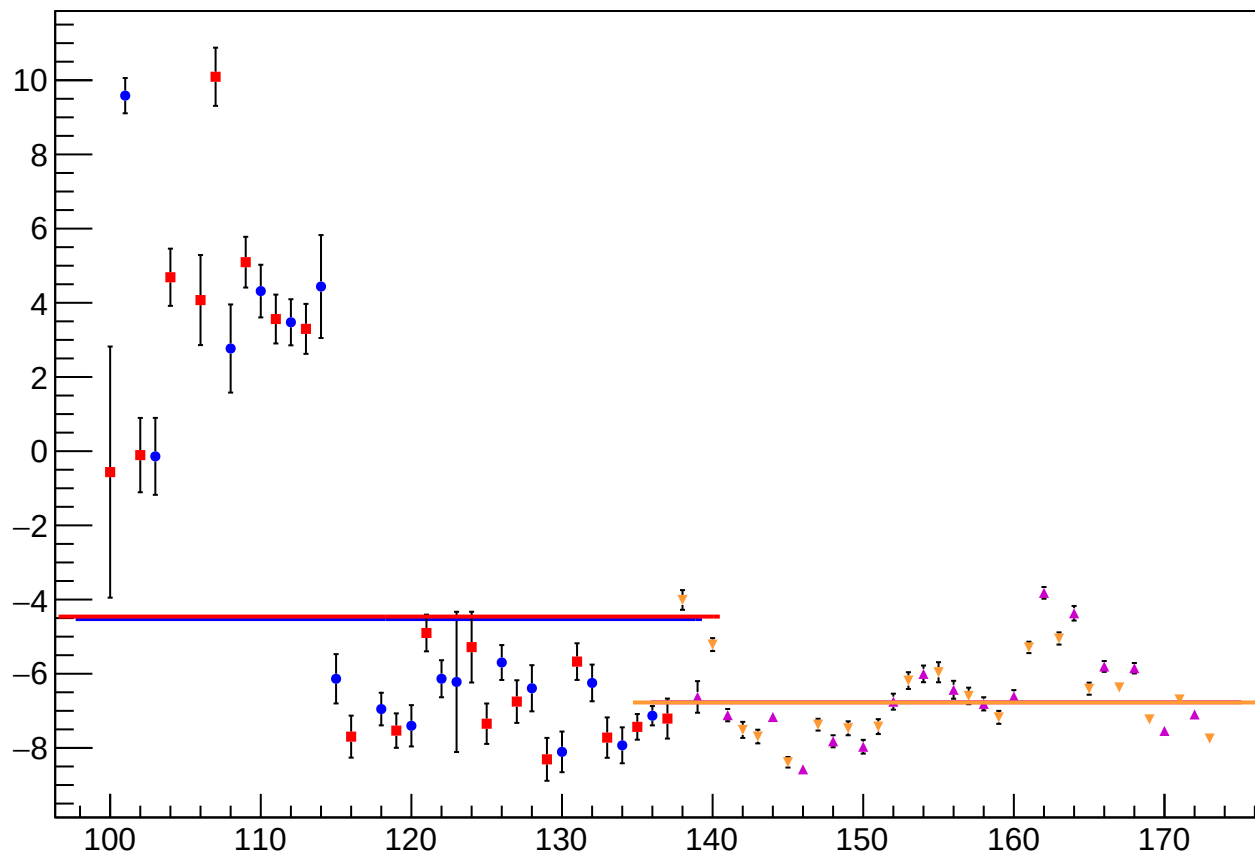
Right: 17.665 ± 0.152 $\chi^2/\text{NDF}: 876.0/35$

In: 15.059 ± 0.045 $\chi^2/\text{NDF}: 5178.0/33$

Out: 15.226 ± 0.045 $\chi^2/\text{NDF}: 4677.9/37$

All: 15.144 ± 0.032 $\chi^2/\text{NDF}: 9862.8/71$

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.526 ± 0.130 $\chi^2/\text{NDF}: 1590.2/16$

Left Out: -6.775 ± 0.038 $\chi^2/\text{NDF}: 710.1/18$

Right Out: -4.459 ± 0.137 $\chi^2/\text{NDF}: 1338.9/18$

Left In: -6.769 ± 0.039 $\chi^2/\text{NDF}: 952.6/16$

Left: -6.772 ± 0.027 $\chi^2/\text{NDF}: 1662.7/35$

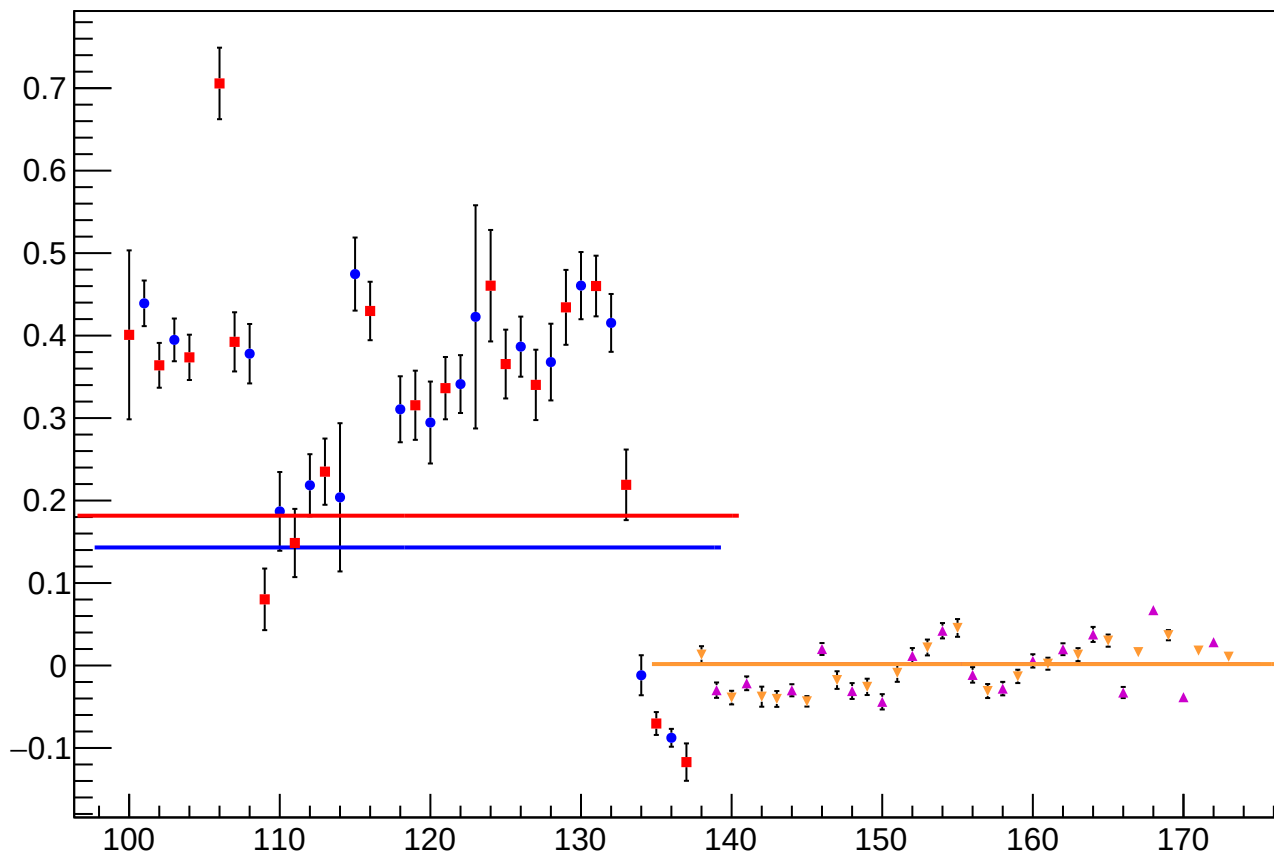
Right: -4.494 ± 0.094 $\chi^2/\text{NDF}: 2929.2/35$

In: -6.579 ± 0.038 $\chi^2/\text{NDF}: 2817.2/33$

Out: -6.609 ± 0.037 $\chi^2/\text{NDF}: 2314.4/37$

All: -6.594 ± 0.026 $\chi^2/\text{NDF}: 5132.0/71$

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.143 $\pm$ 0.007 χ^2 /NDF: 1060.4/16

Left Out: 0.002 $\pm$ 0.002 χ^2 /NDF:225.0/18

Right Out: 0.182 $\pm$ 0.007 χ^2 /NDF: 1007.8/18

Left In: 0.002 $\pm$ 0.002 χ^2 /NDF:379.4/16

Left: 0.002 $\pm$ 0.001 χ^2 /NDF: 604.3/35

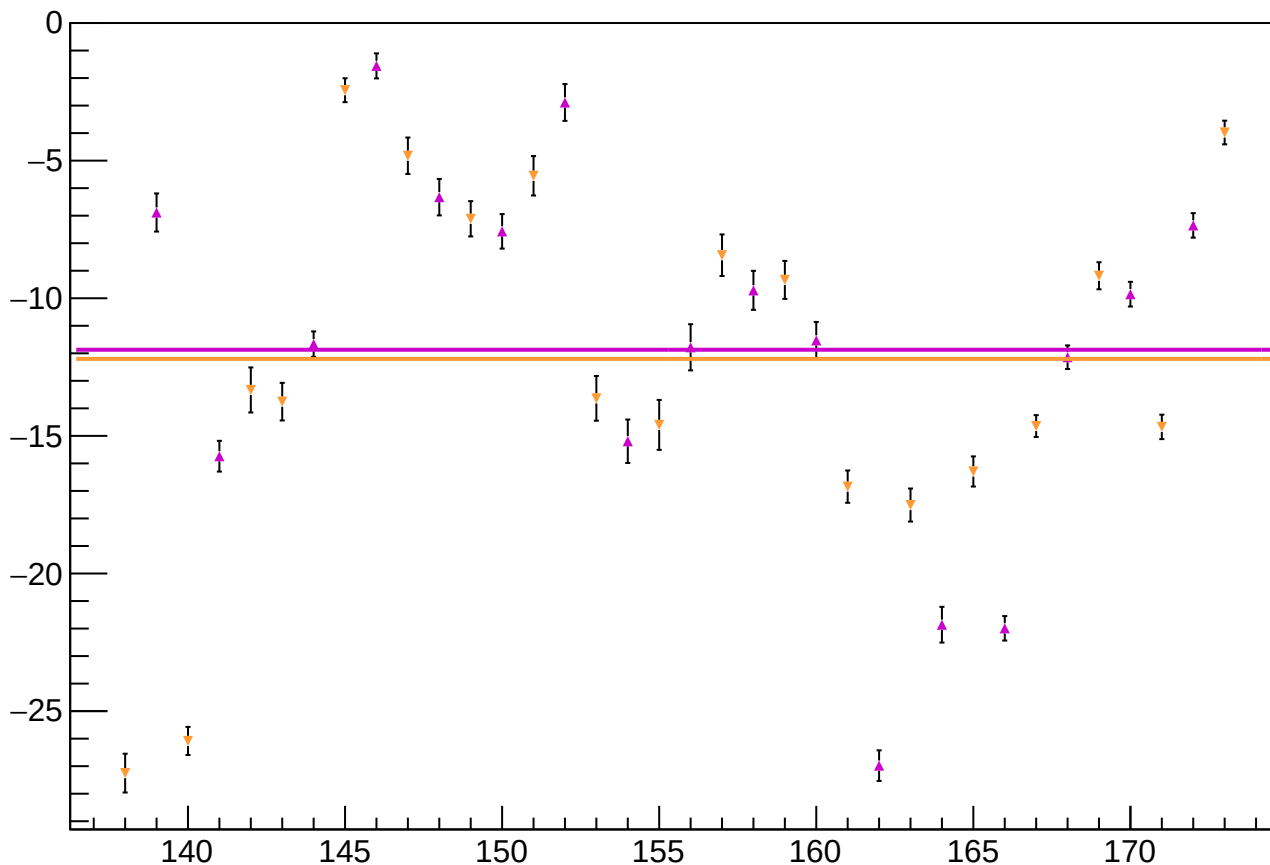
Right: 0.161 $\pm$ 0.005 χ^2 /NDF: 2082.4/35

In: 0.011 $\pm$ 0.002 χ^2 /NDF:1816.4/33

Out: 0.011 $\pm$ 0.002 χ^2 /NDF:1794.1/37

All: 0.011 $\pm$ 0.001 χ^2 /NDF: 3610.5/71

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -12.203 $\pm$ 0.131 χ^2 /NDF:2702.3/18

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

Left In: -11.870 $\pm$ 0.134 χ^2 /NDF:2557.9/16

Left: -12.041 $\pm$ 0.094 χ^2 /NDF: 5263.3/35

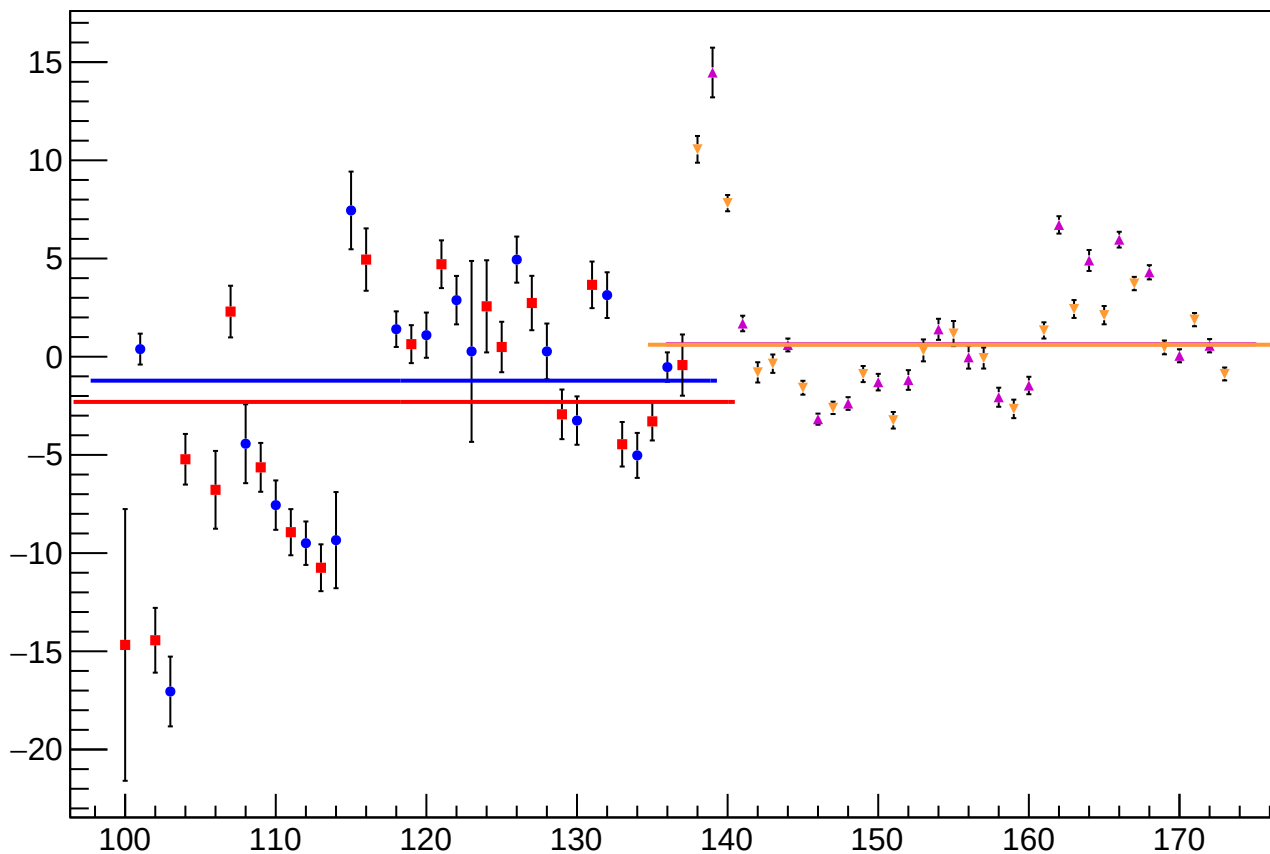
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -11.870 $\pm$ 0.134 χ^2 /NDF:2557.9/16

Out: -12.203 $\pm$ 0.131 χ^2 /NDF:2702.3/18

All: -12.041 $\pm$ 0.094 χ^2 /NDF: 5263.3/35

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: 0.610 ± 0.095 χ^2/NDF : 966.6/18

Right Out: -2.302 ± 0.302 χ^2/NDF : 286.2/18

Left In: 0.633 ± 0.098 χ^2/NDF : 1019.9/16

Left: 0.621 ± 0.068 χ^2/NDF : 1986.5/35

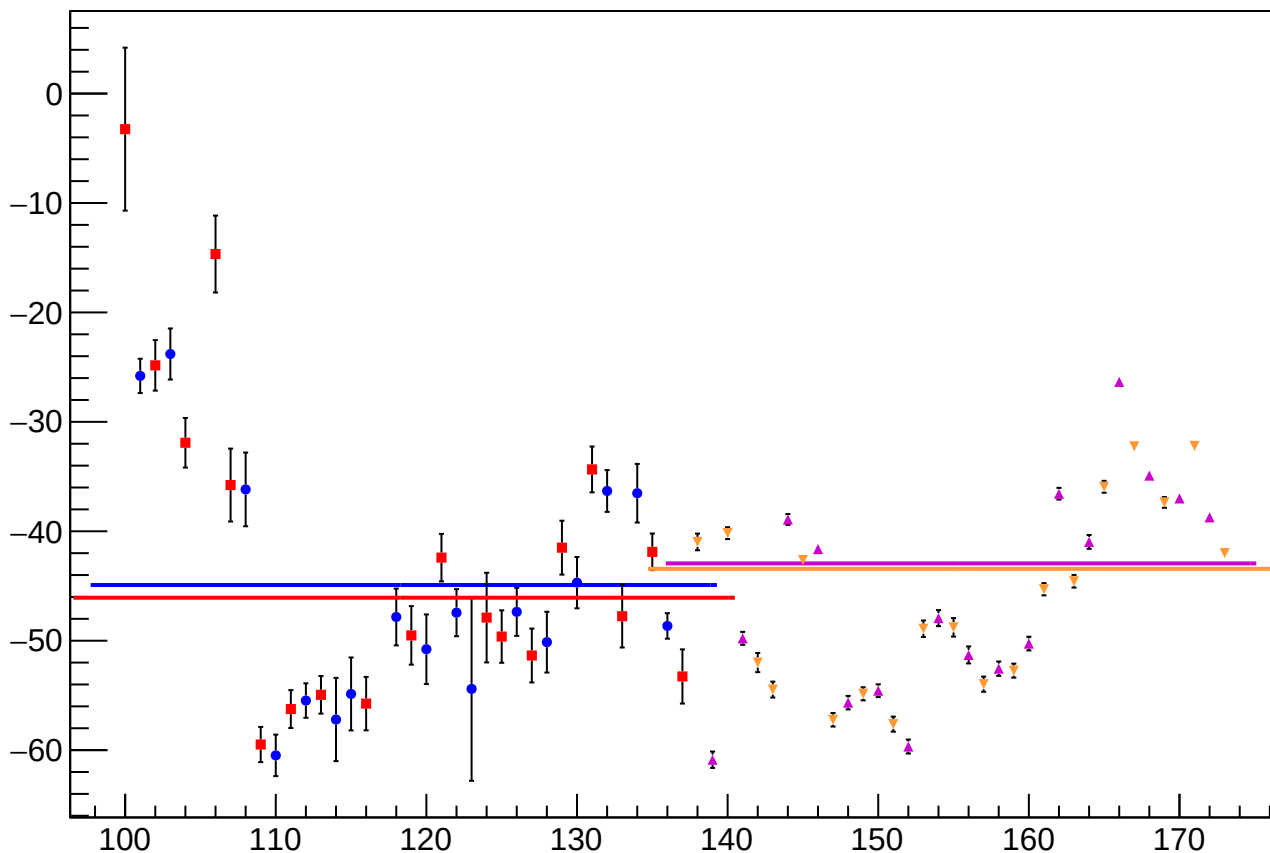
Right: -1.738 ± 0.209 χ^2/NDF : 571.5/35

In: 0.442 ± 0.093 χ^2/NDF : 1335.1/33

Out: 0.346 ± 0.091 χ^2/NDF : 1337.1/37

All: 0.393 ± 0.065 χ^2/NDF : 2672.7/71

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: -43.431 ± 0.131 χ^2/NDF : 3958.9/18

Right Out: -46.071 ± 0.528 χ^2/NDF : 454.0/18

Left In: -42.935 ± 0.133 χ^2/NDF : 4893.0/16

Left: -43.187 ± 0.094 χ^2/NDF : 8858.9/35

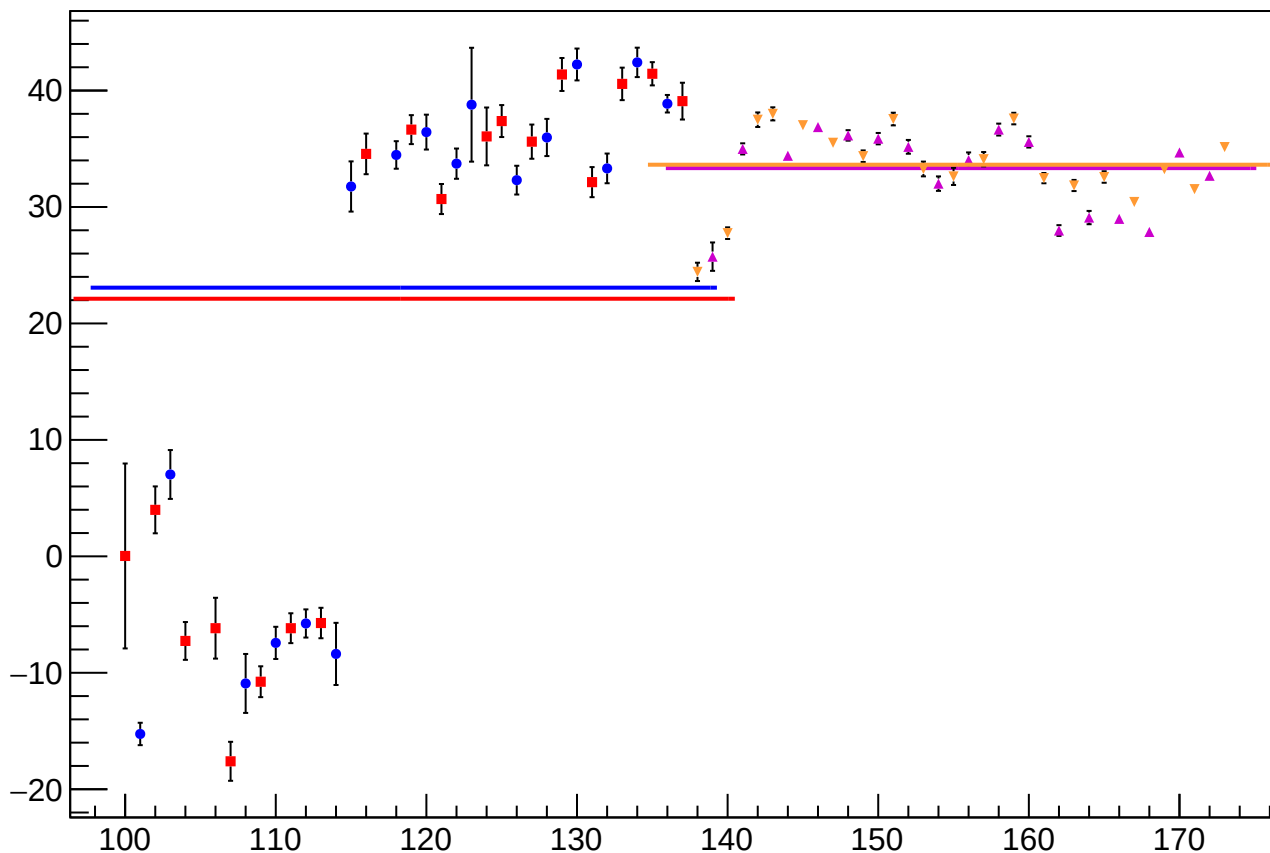
Right: -45.483 ± 0.371 χ^2/NDF : 877.6/35

In: -43.056 ± 0.129 χ^2/NDF : 5327.5/33

Out: -43.584 ± 0.128 χ^2/NDF : 4436.4/37

All: -43.324 ± 0.091 χ^2/NDF : 9772.4/71

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: 33.631 $\pm$ 0.109 χ^2 /NDF:731.3/18

Right Out: 22.122 $\pm$ 0.340 χ^2 /NDF: 4034.4/18

Left In: 33.338 $\pm$ 0.113 χ^2 /NDF:779.0/16

Left: 33.489 $\pm$ 0.079 χ^2 /NDF: 1513.8/35

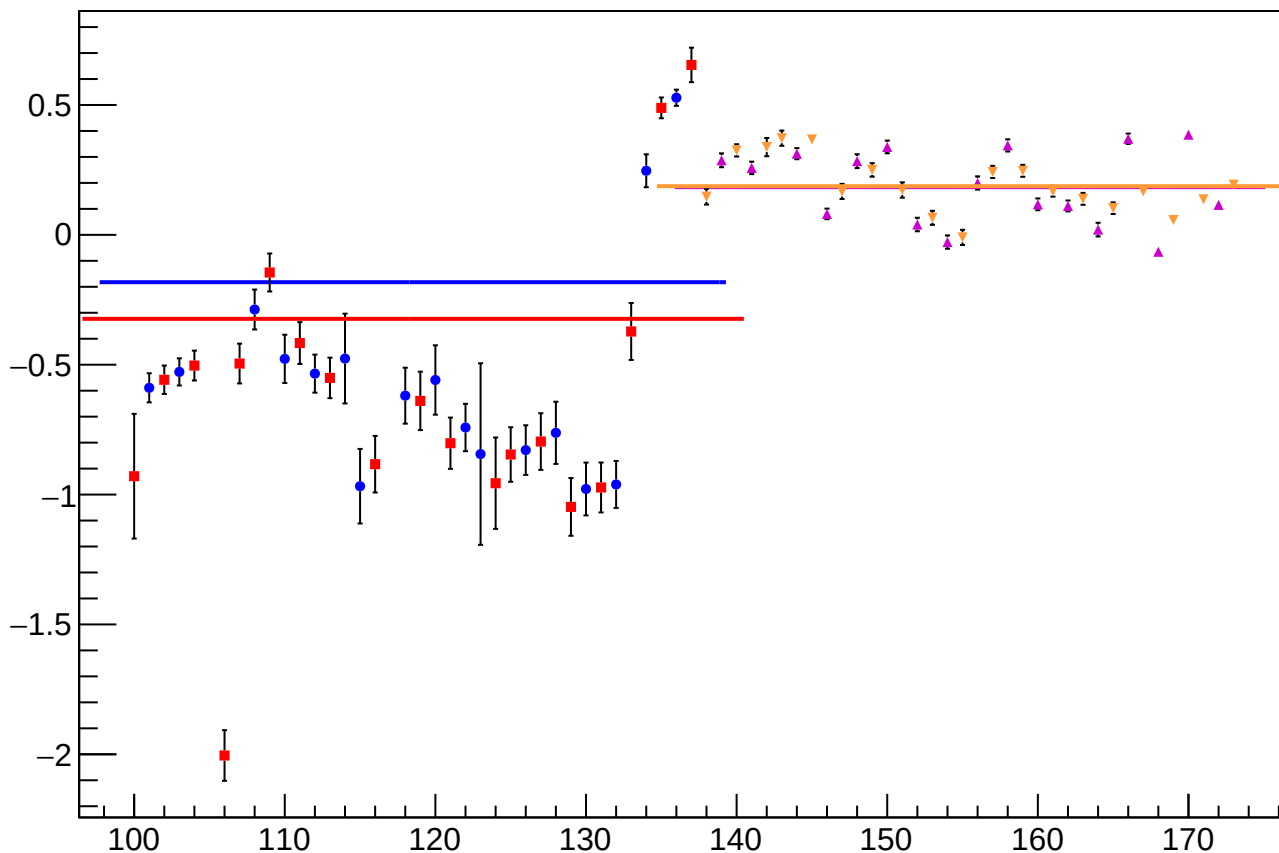
Right: 22.617 $\pm$ 0.235 χ^2 /NDF: 8384.4/35

In: 32.234 $\pm$ 0.107 χ^2 /NDF:6009.8/33

Out: 32.550 $\pm$ 0.104 χ^2 /NDF:5804.6/37

All: 32.396 $\pm$ 0.075 χ^2 /NDF: 11818.8/71

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: 0.187 ± 0.005 χ^2/NDF : 360.7/18

Right Out: -0.323 ± 0.018 χ^2/NDF : 1184.5/18

Left In: 0.184 ± 0.005 χ^2/NDF : 831.0/16

Left: 0.186 ± 0.004 χ^2/NDF : 1191.9/35

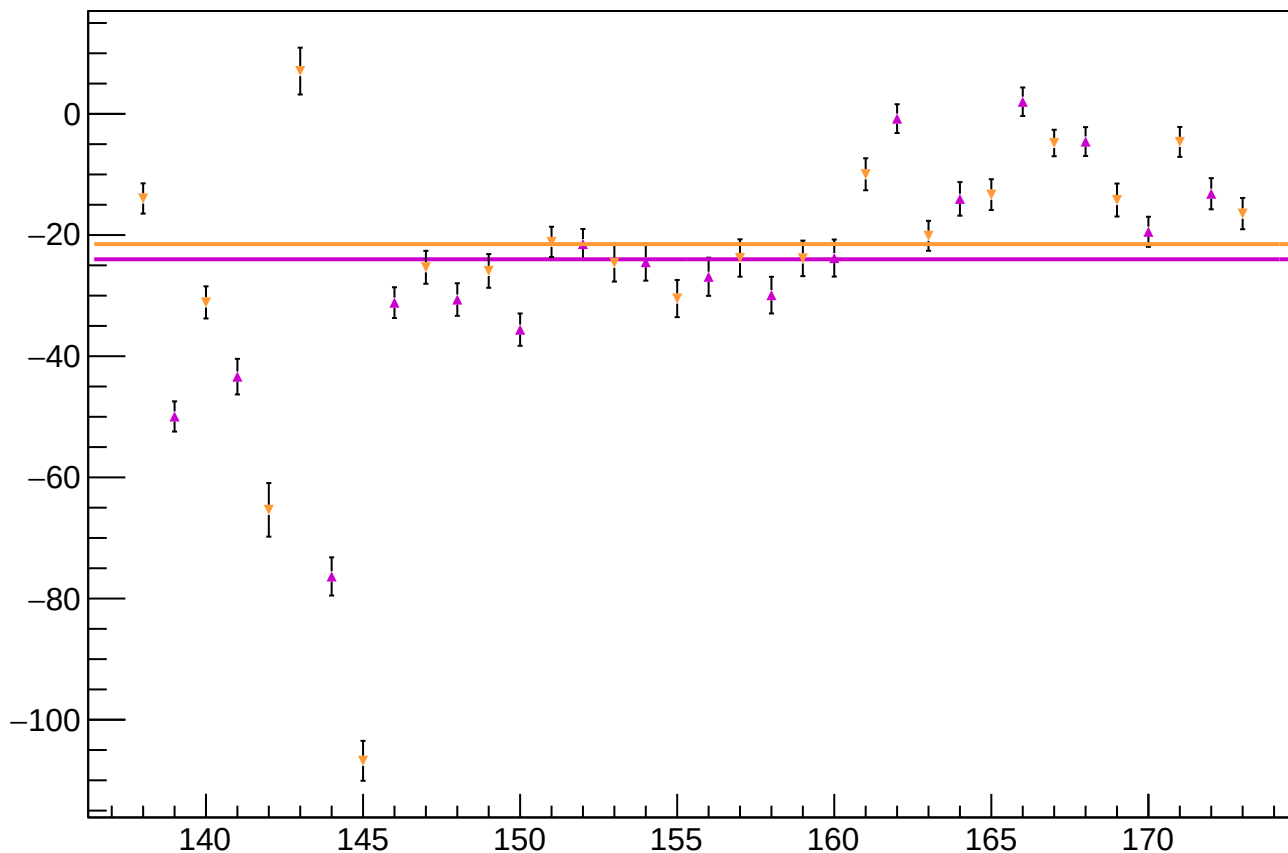
Right: -0.251 ± 0.013 χ^2/NDF : 2213.4/35

In: 0.154 ± 0.005 χ^2/NDF : 2221.2/33

Out: 0.150 ± 0.005 χ^2/NDF : 2278.4/37

All: 0.152 ± 0.004 χ^2/NDF : 4499.9/71

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -21.499 $\pm$ 0.634 χ^2 /NDF:1005.5/18

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

Left In: -24.002 $\pm$ 0.649 χ^2 /NDF:784.3/16

Left: -22.721 $\pm$ 0.453 χ^2 /NDF: 1797.4/35

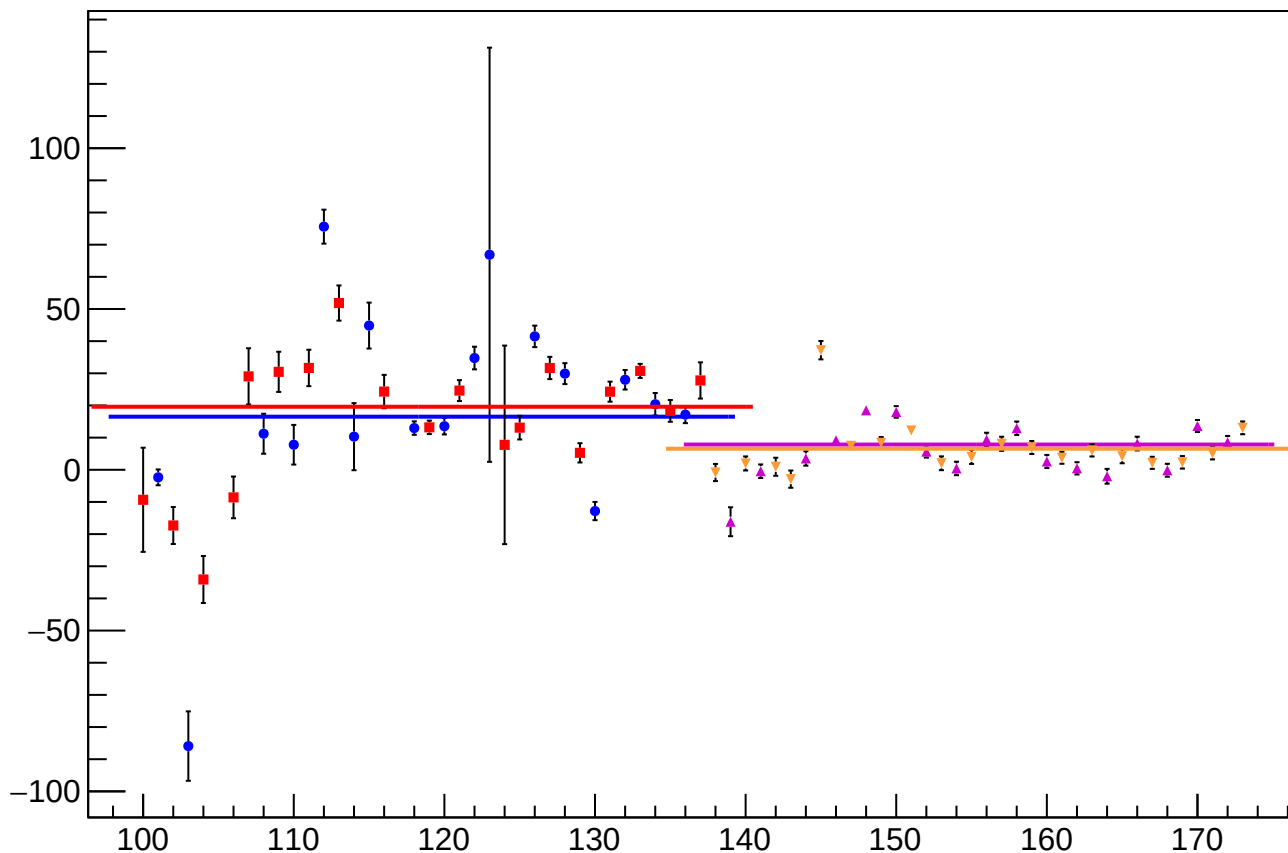
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -24.002 $\pm$ 0.649 χ^2 /NDF:784.3/16

Out: -21.499 $\pm$ 0.634 χ^2 /NDF:1005.5/18

All: -22.721 $\pm$ 0.453 χ^2 /NDF: 1797.4/35

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.512 ± 0.847 $\chi^2/\text{NDF}: 519.6/16$

Left Out: 6.554 ± 0.452 $\chi^2/\text{NDF}: 192.3/18$

Right Out: 19.604 ± 0.898 $\chi^2/\text{NDF}: 242.0/18$

Left In: 7.848 ± 0.472 $\chi^2/\text{NDF}: 232.1/16$

Left: 7.173 ± 0.327 $\chi^2/\text{NDF}: 428.3/35$

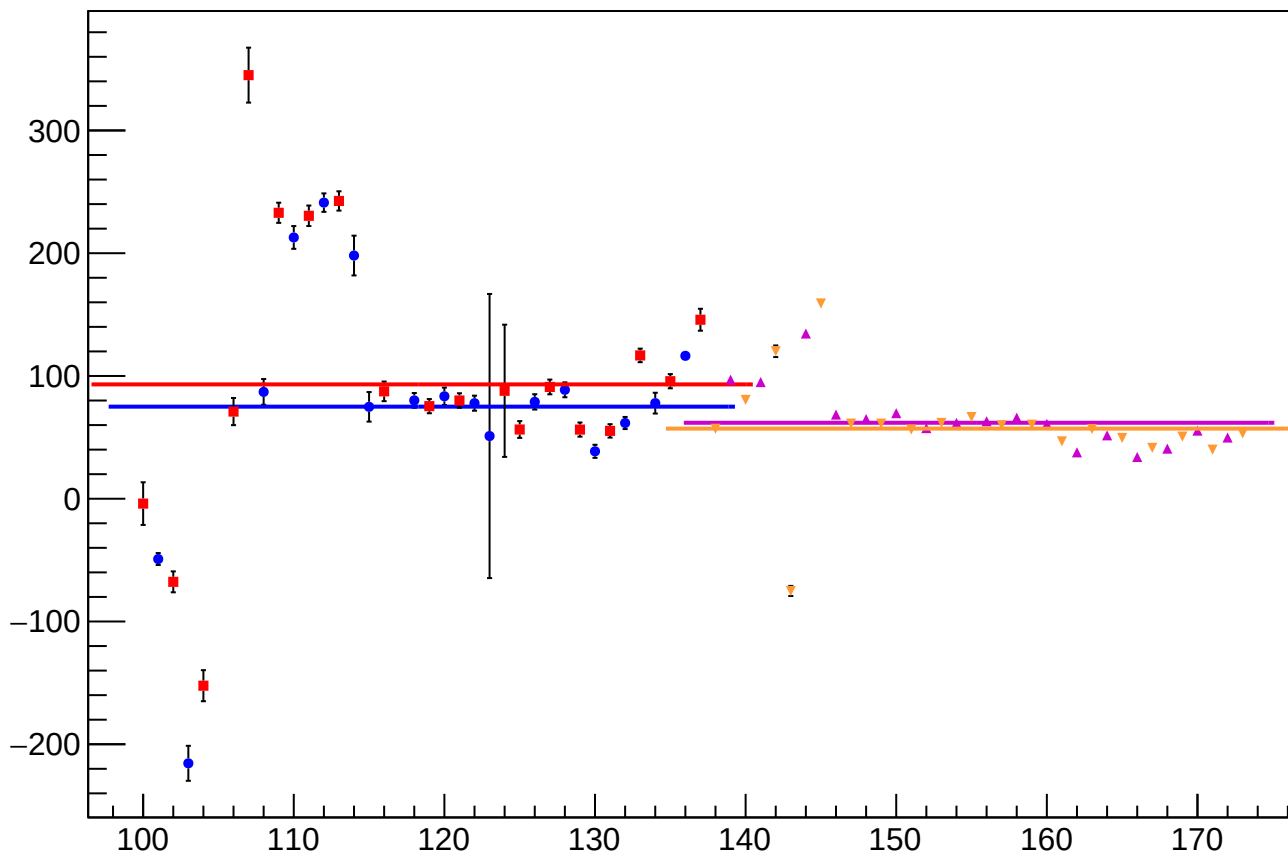
Right: 17.968 ± 0.616 $\chi^2/\text{NDF}: 767.9/35$

In: 9.902 ± 0.413 $\chi^2/\text{NDF}: 831.5/33$

Out: 9.194 ± 0.404 $\chi^2/\text{NDF}: 602.5/37$

All: 9.541 ± 0.289 $\chi^2/\text{NDF}: 1435.5/71$

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 75.009+/-1.636 χ^2/NDF : 1999.3/16

Left Out: 57.130+/-0.626 χ^2/NDF : 2311.5/18

Right Out: 93.140+/-1.711 χ^2/NDF : 2002.3/18

Left In: 61.884+/-0.637 χ^2/NDF : 1135.9/16

Left: 59.464+/-0.446 χ^2/NDF : 3475.8/35

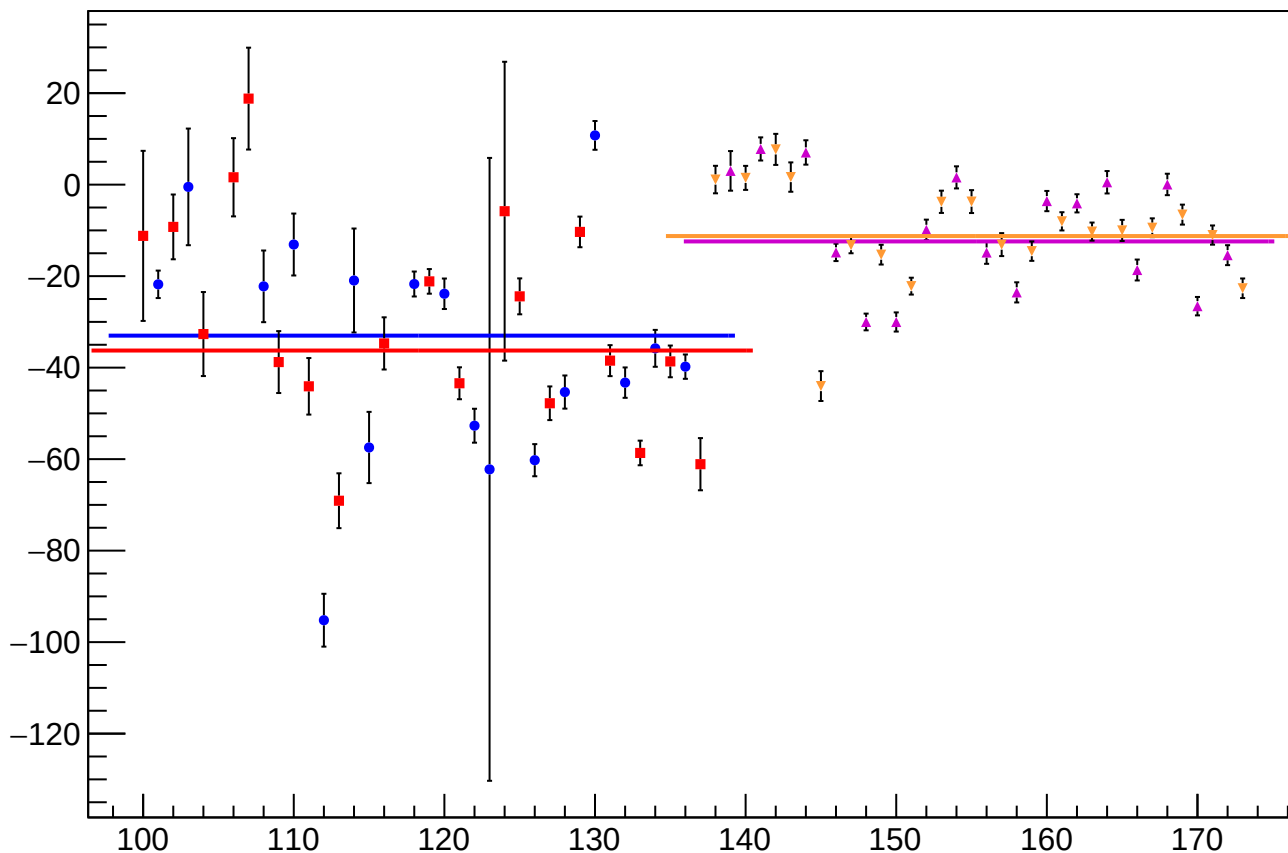
Right: 83.668+/-1.183 χ^2/NDF : 4060.3/35

In: 63.611+/-0.594 χ^2/NDF : 3191.2/33

Out: 61.376+/-0.588 χ^2/NDF : 4704.5/37

All: 62.482+/-0.418 χ^2/NDF : 7902.8/71

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: -11.238 ± 0.523 $\chi^2/\text{NDF}: 287.3/18$

Right Out: -36.260 ± 1.025 $\chi^2/\text{NDF}: 297.1/18$

Left In: -12.413 ± 0.546 $\chi^2/\text{NDF}: 504.9/16$

Left: -11.800 ± 0.378 $\chi^2/\text{NDF}: 794.6/35$

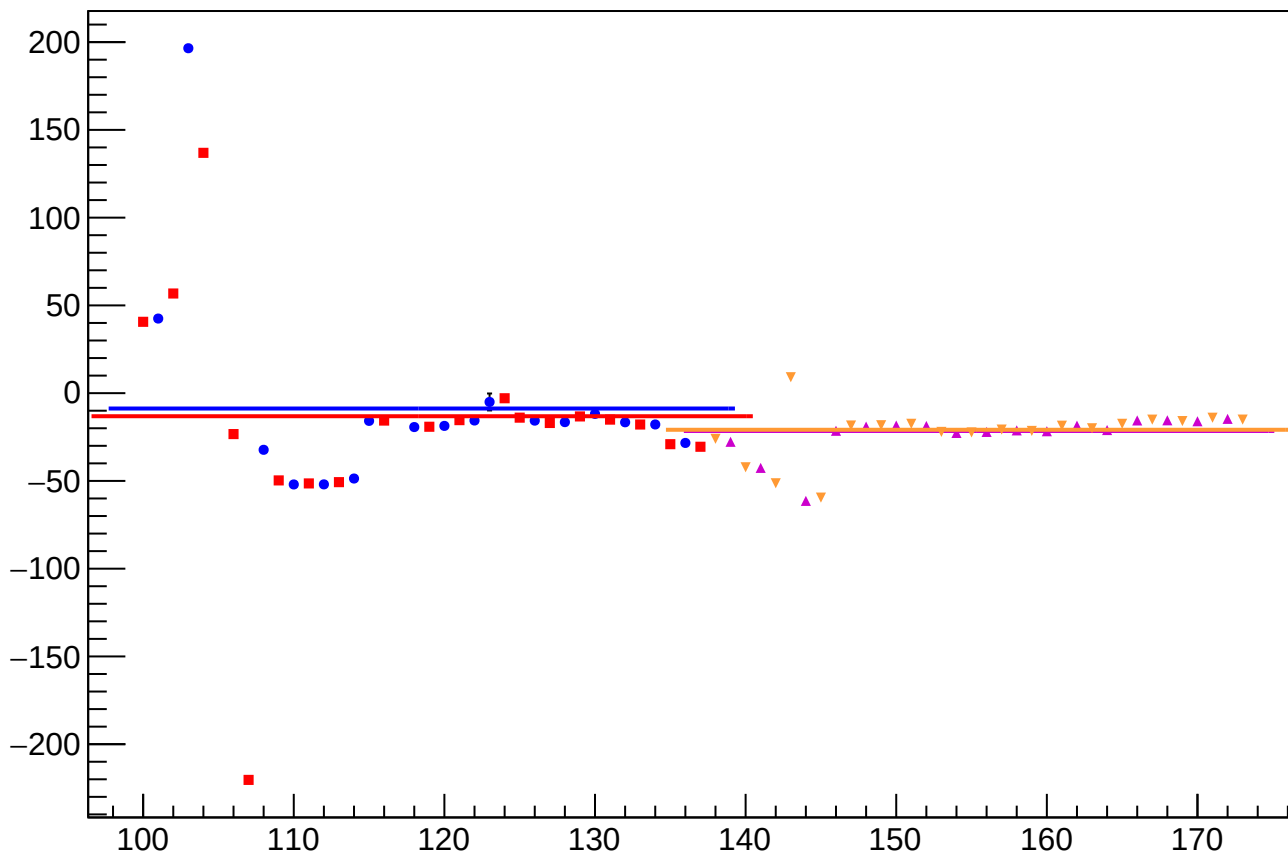
Right: -34.545 ± 0.705 $\chi^2/\text{NDF}: 795.4/35$

In: -17.355 ± 0.476 $\chi^2/\text{NDF}: 1339.2/33$

Out: -16.405 ± 0.466 $\chi^2/\text{NDF}: 1056.9/37$

All: -16.870 ± 0.333 $\chi^2/\text{NDF}: 2398.2/71$

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -8.751 ± 0.059 χ^2/NDF : 576012.4/16

Left Out: -20.862 ± 0.024 χ^2/NDF : 193304.5/18

Right Out: -13.143 ± 0.062 χ^2/NDF : 558628.0/18

Left In: -21.558 ± 0.025 χ^2/NDF : 125231.7/16

Left: -21.203 ± 0.017 χ^2/NDF : 318940.4/35

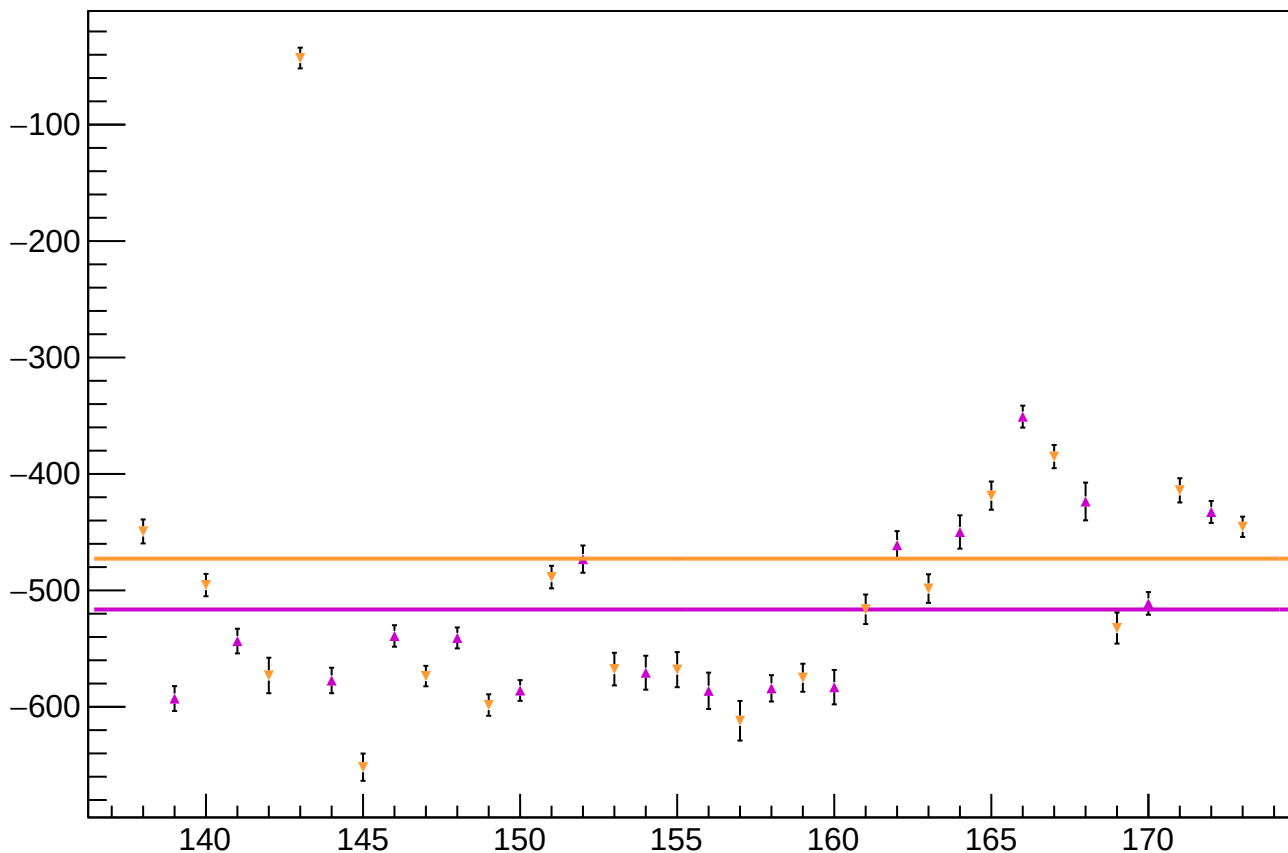
Right: -10.840 ± 0.043 χ^2/NDF : 1137294.9/35

In: -19.629 ± 0.023 χ^2/NDF : 741530.7/33

Out: -19.830 ± 0.023 χ^2/NDF : 765476.8/37

All: -19.730 ± 0.016 χ^2/NDF : 1507046.9/71

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -472.717 $\pm$ 2.520 χ^2/NDF :3342.1/18

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

Left In: -516.391 $\pm$ 2.672 χ^2/NDF :731.9/16

Left: -493.274 $\pm$ 1.833 χ^2/NDF : 4215.4/35

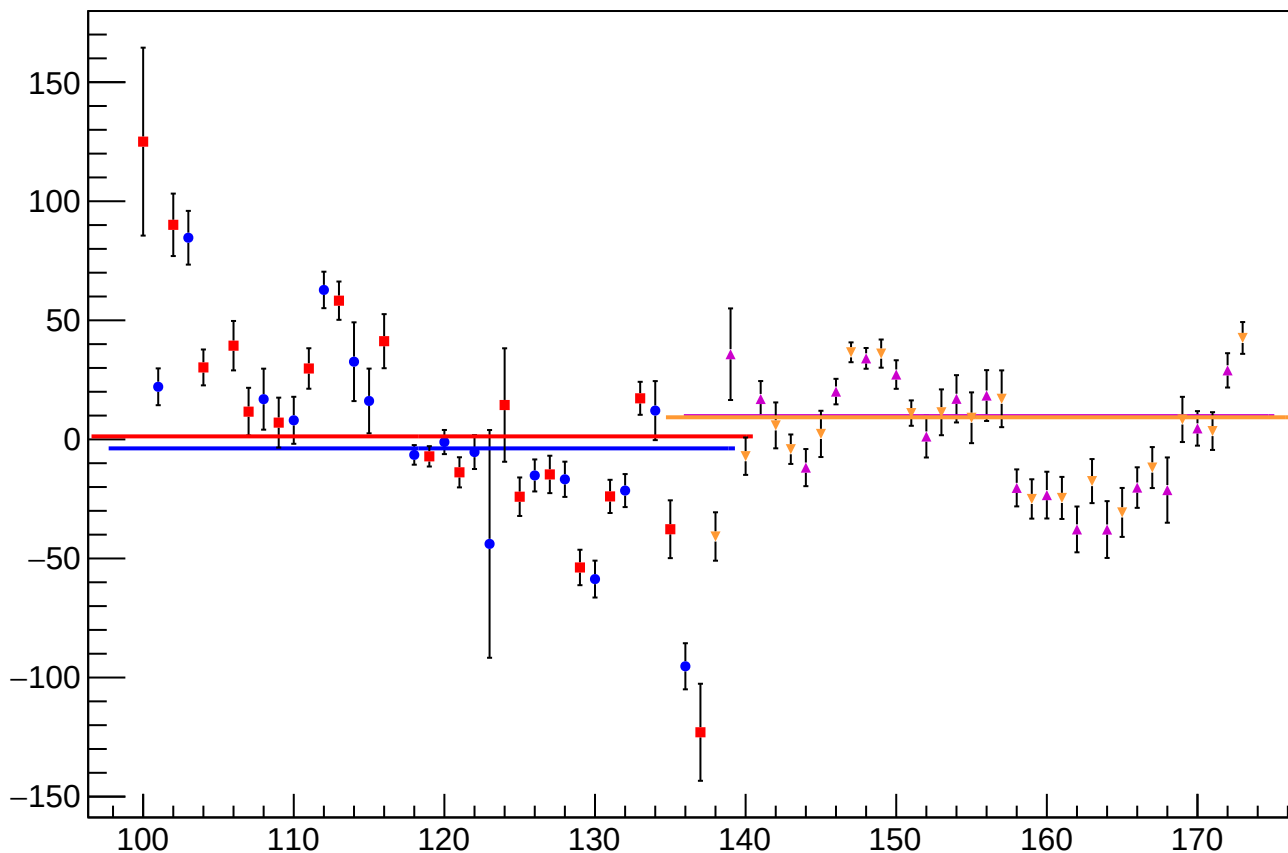
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -516.391 $\pm$ 2.672 χ^2/NDF :731.9/16

Out: -472.717 $\pm$ 2.520 χ^2/NDF :3342.1/18

All: -493.274 $\pm$ 1.833 χ^2/NDF : 4215.4/35

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.773 ± 1.889 χ^2/NDF : 314.3/16

Left Out: 9.283 ± 1.733 χ^2/NDF : 184.8/18

Right Out: 1.265 ± 1.920 χ^2/NDF : 303.7/18

Left In: 9.786 ± 1.869 χ^2/NDF : 147.8/16

Left: 9.515 ± 1.271 χ^2/NDF : 332.7/35

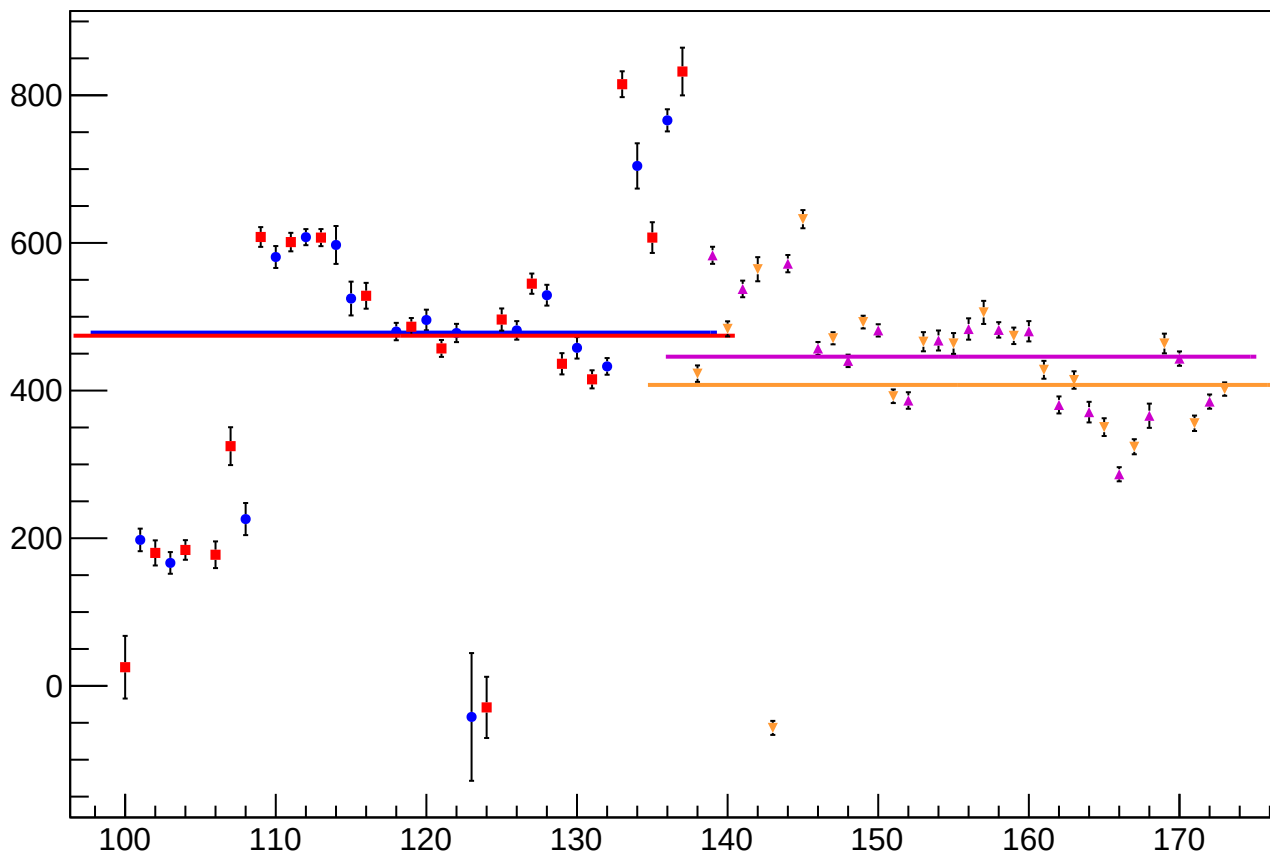
Right: -1.296 ± 1.346 χ^2/NDF : 621.6/35

In: 3.075 ± 1.329 χ^2/NDF : 488.2/33

Out: 5.685 ± 1.286 χ^2/NDF : 498.2/37

All: 4.422 ± 0.924 χ^2/NDF : 988.3/71

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 478.526+/-3.630 χ^2/NDF : 1629.0/16

Left Out: 407.658+/-2.504 χ^2/NDF : 3279.9/18

Right Out: 474.328+/-3.533 χ^2/NDF : 2287.1/18

Left In: 445.910+/-2.624 χ^2/NDF : 800.3/16

Left: 425.889+/-1.811 χ^2/NDF : 4191.4/35

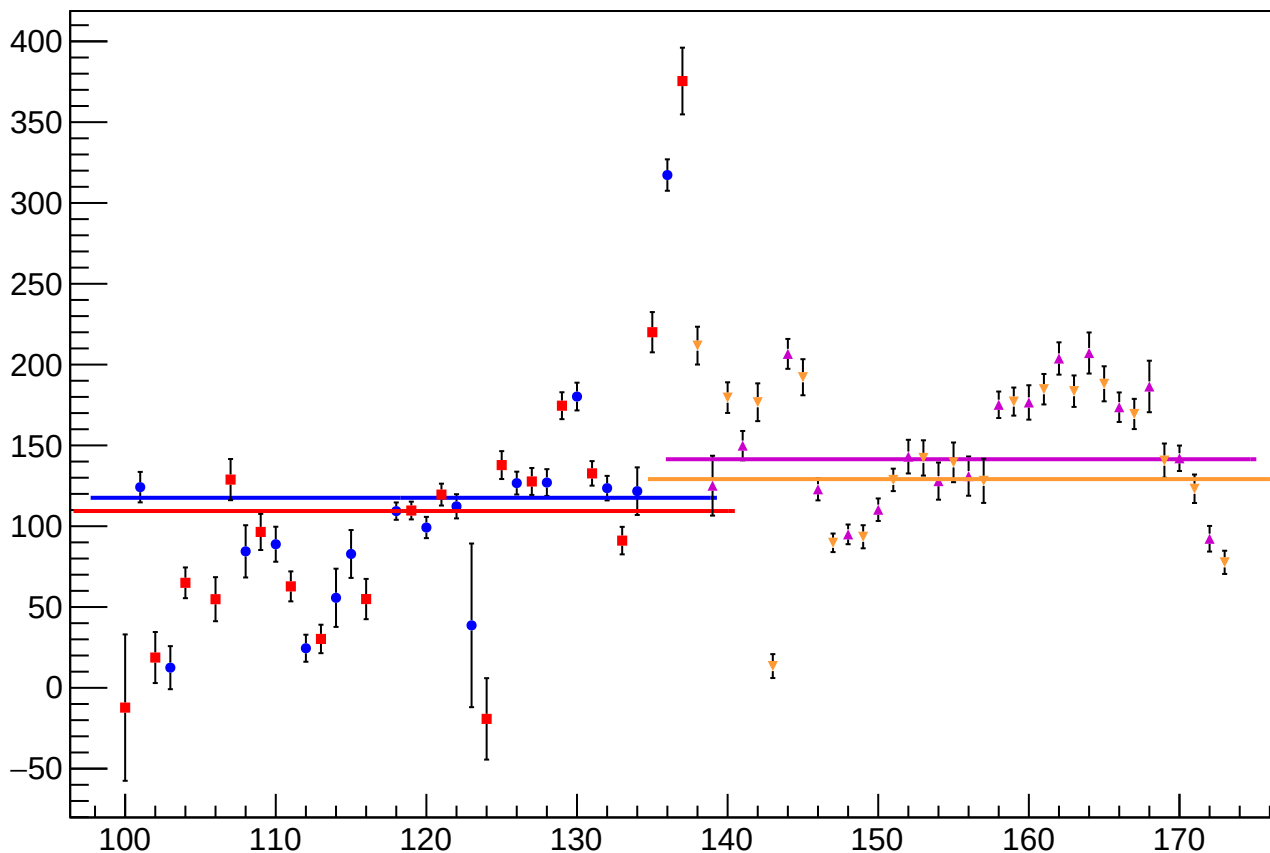
Right: 476.370+/-2.532 χ^2/NDF : 3916.8/35

In: 457.101+/-2.126 χ^2/NDF : 2482.3/33

Out: 429.948+/-2.043 χ^2/NDF : 5804.1/37

All: 442.979+/-1.473 χ^2/NDF : 8371.2/71

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 117.585 $\pm$ 2.193 χ^2 /NDF: 706.9/16

Left Out: 129.146 $\pm$ 2.044 χ^2 /NDF:643.3/18

Right Out: 109.400 $\pm$ 2.210 χ^2 /NDF: 571.2/18

Left In: 141.444 $\pm$ 2.198 χ^2 /NDF:291.5/16

Left: 134.851 $\pm$ 1.497 χ^2 /NDF: 951.6/35

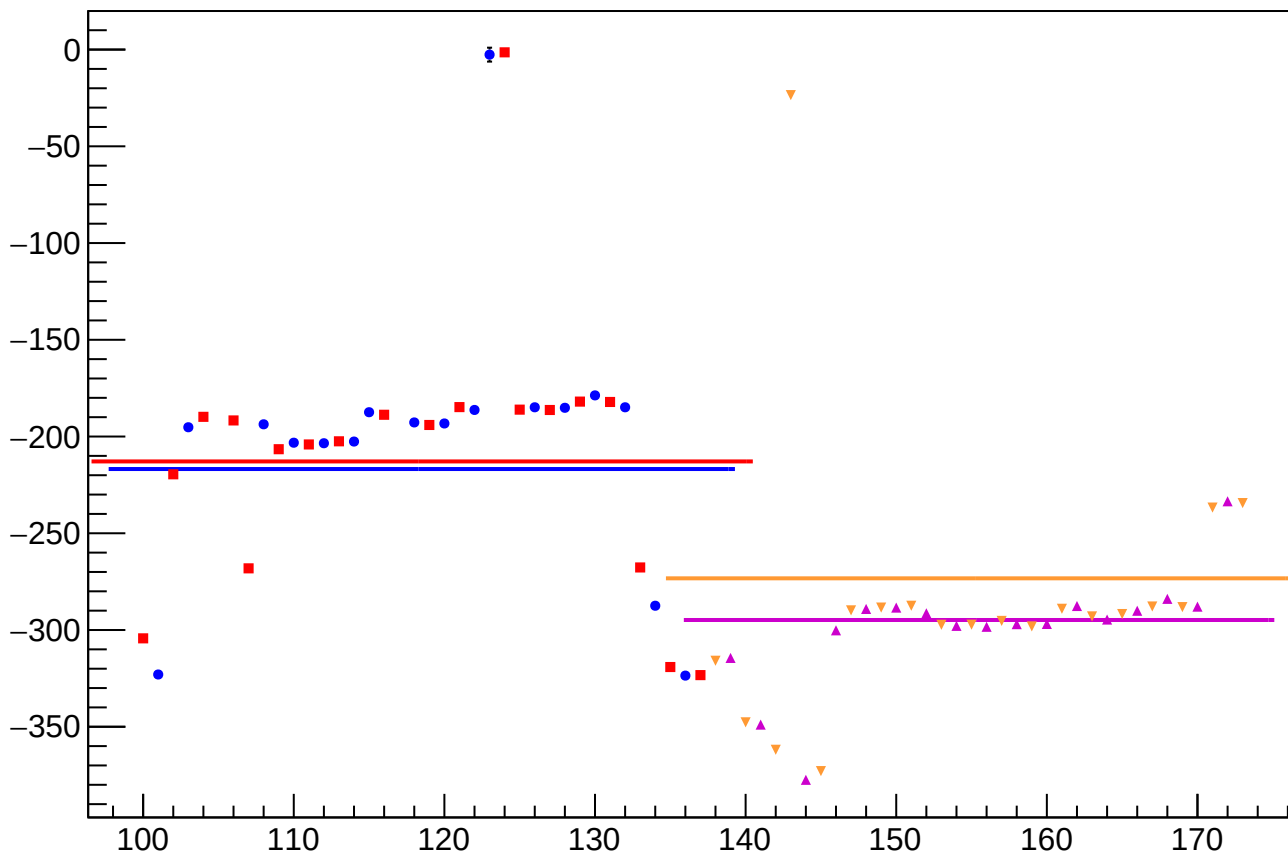
Right: 113.524 $\pm$ 1.557 χ^2 /NDF: 1285.0/35

In: 129.488 $\pm$ 1.552 χ^2 /NDF:1057.5/33

Out: 120.040 $\pm$ 1.501 χ^2 /NDF:1257.5/37

All: 124.604 $\pm$ 1.079 χ^2 /NDF: 2334.1/71

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -216.796+/-0.136 χ^2/NDF : 146976.1/16

Left Out: -273.290+/-0.099 χ^2/NDF : 574570.6/18

Right Out: -212.869+/-0.130 χ^2/NDF : 116393.6/18

Left In: -294.824+/-0.104 χ^2/NDF : 76308.9/16

Left: -283.565+/-0.072 χ^2/NDF : 673491.3/35

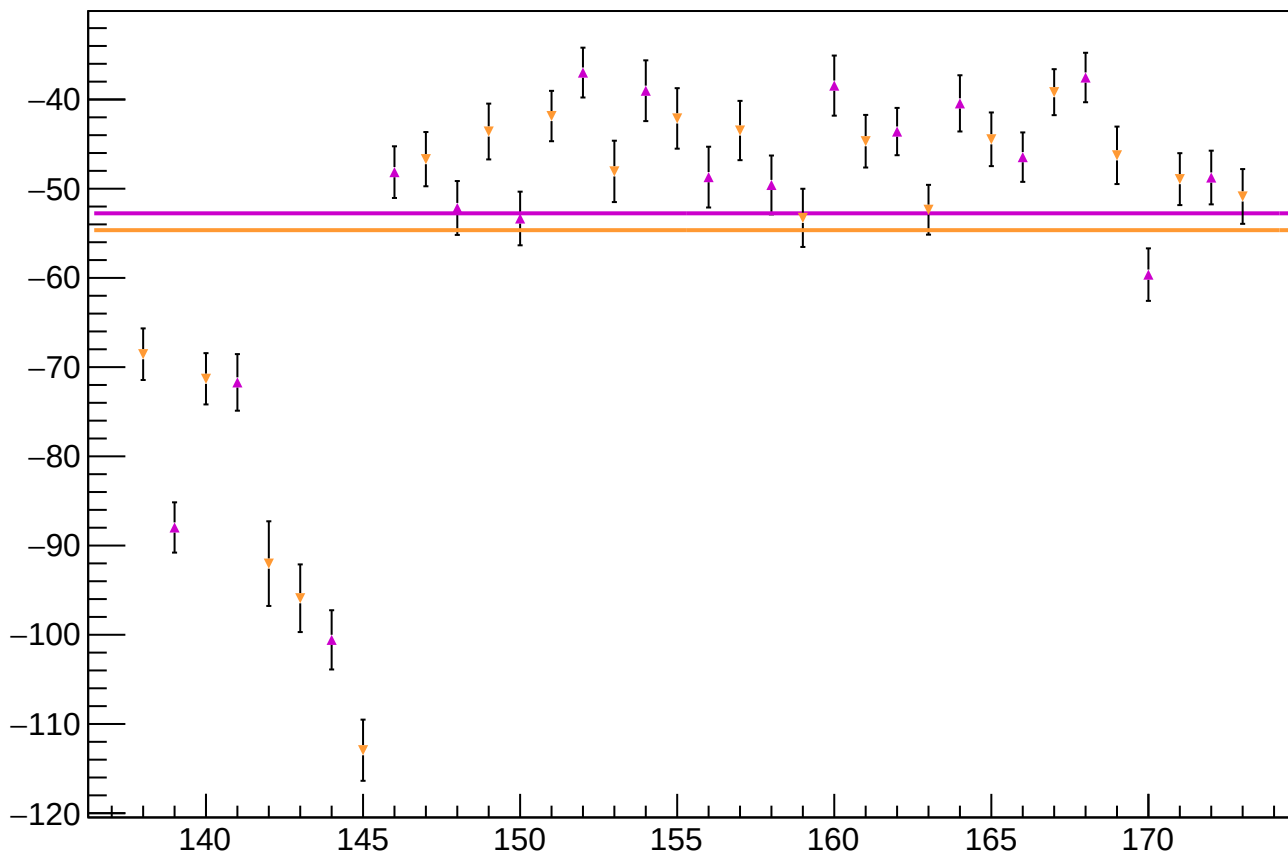
Right: -214.751+/-0.094 χ^2/NDF : 263806.1/35

In: -266.096+/-0.082 χ^2/NDF : 432335.5/33

Out: -251.167+/-0.079 χ^2/NDF : 827568.9/37

All: -258.302+/-0.057 χ^2/NDF : 1277078.8/71

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



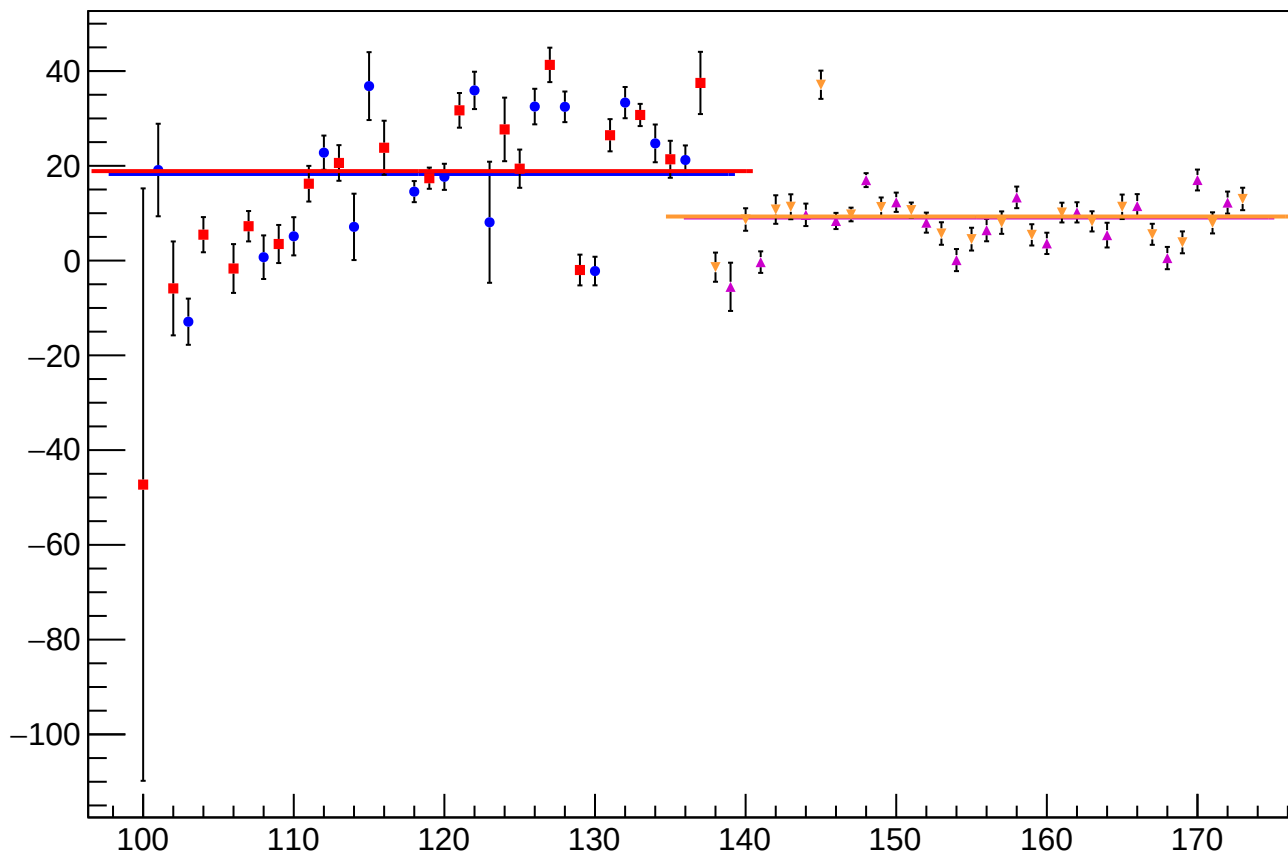
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -54.648+/-0.715 χ^2/NDF :666.6/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -52.760+/-0.732 χ^2/NDF :540.2/16

Left: -53.727+/-0.512 χ^2/NDF : 1210.3/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -52.760+/-0.732 χ^2/NDF :540.2/16
 Out: -54.648+/-0.715 χ^2/NDF :666.6/18

All: -53.727+/-0.512 χ^2/NDF : 1210.3/35

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: 9.299 $\pm$ 0.509 χ^2 /NDF:123.5/18

Right Out: 18.882 $\pm$ 0.864 χ^2 /NDF: 198.4/18

Left In: 9.093 $\pm$ 0.532 χ^2 /NDF:114.0/16

Left: 9.201 $\pm$ 0.368 χ^2 /NDF: 237.6/35

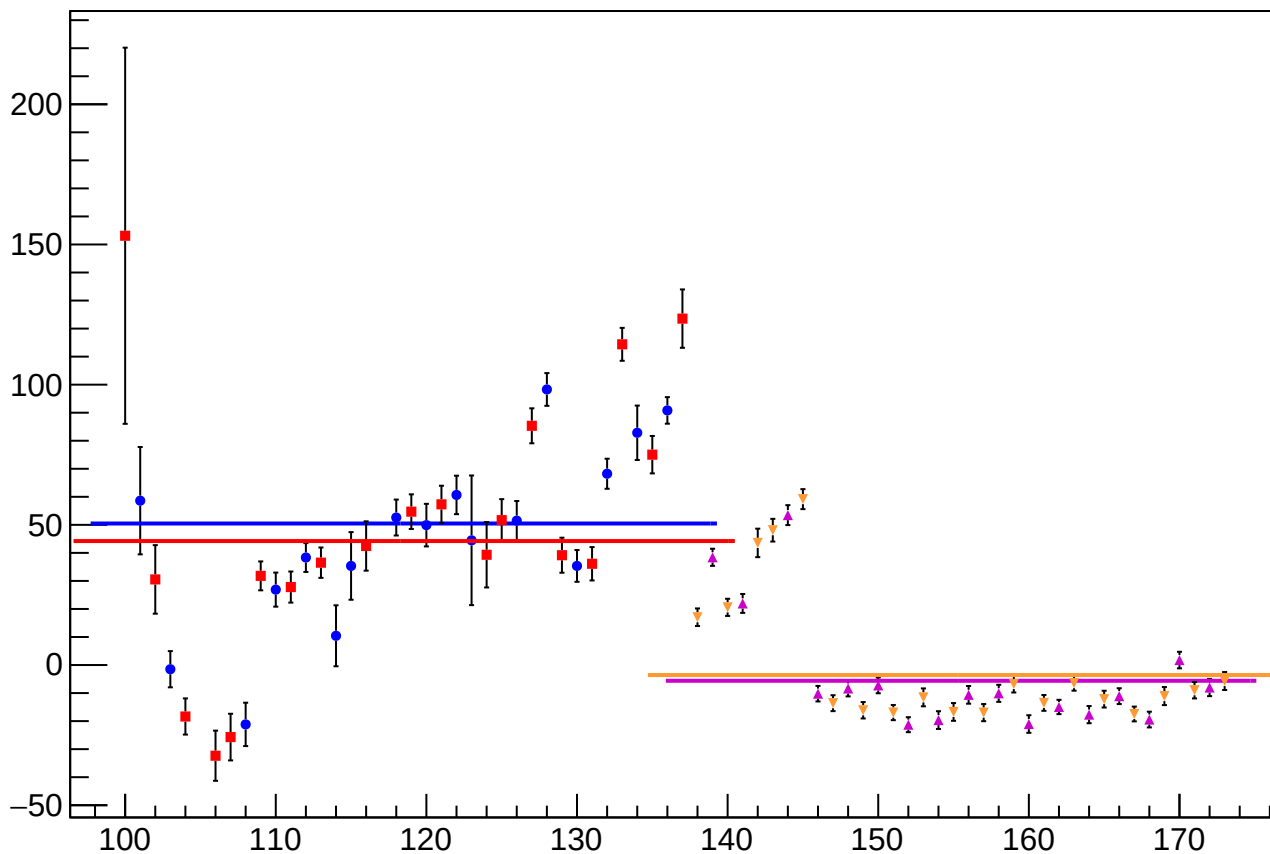
Right: 18.595 $\pm$ 0.625 χ^2 /NDF: 403.2/35

In: 11.450 $\pm$ 0.459 χ^2 /NDF:395.1/33

Out: 11.765 $\pm$ 0.438 χ^2 /NDF:413.3/37

All: 11.615 $\pm$ 0.317 χ^2 /NDF: 808.6/71

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 50.482 $\pm$ 1.668 χ^2 /NDF: 357.9/16

Left Out: -3.565 $\pm$ 0.705 χ^2 /NDF: 823.0/18

Right Out: 44.222 $\pm$ 1.602 χ^2 /NDF: 534.4/18

Left In: -5.615 $\pm$ 0.718 χ^2 /NDF: 703.0/16

Left: -4.572 $\pm$ 0.503 χ^2 /NDF: 1530.1/35

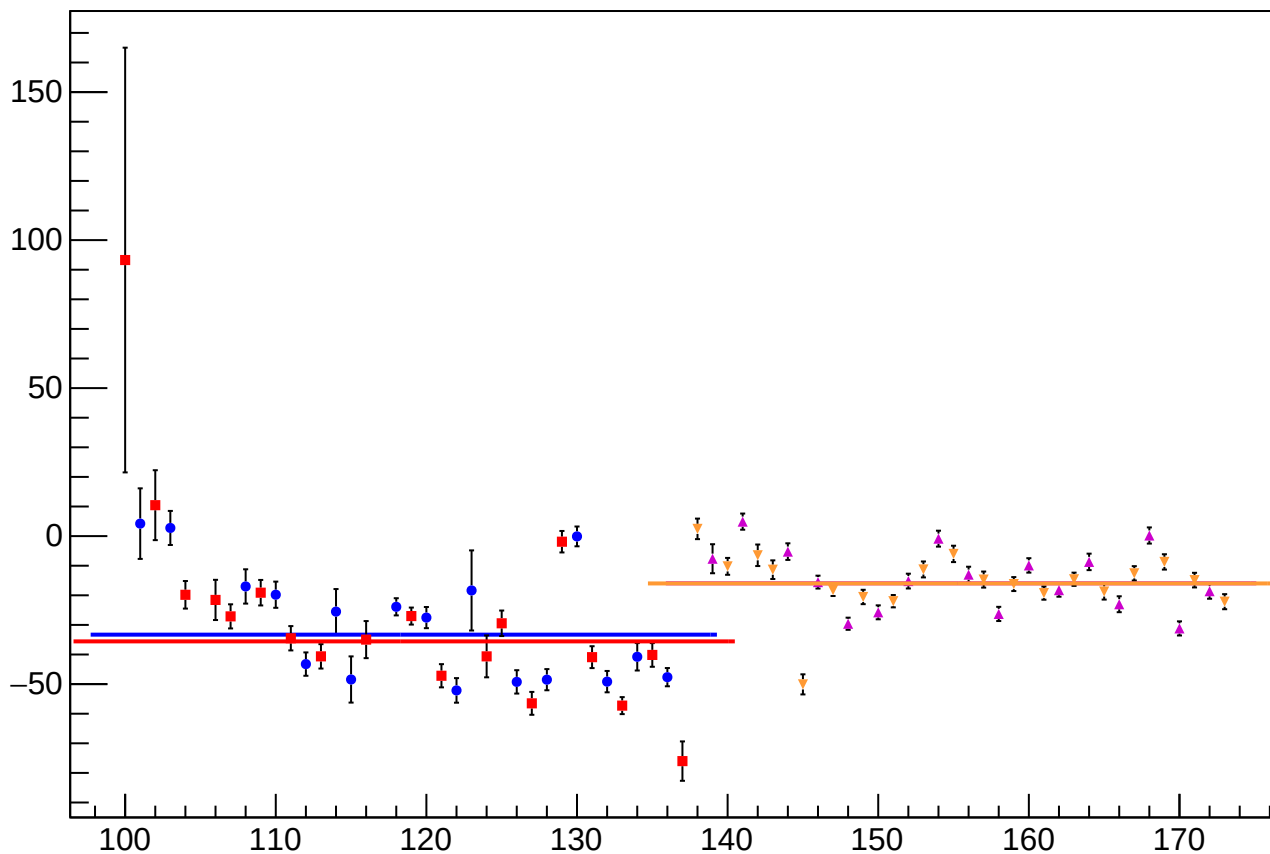
Right: 47.226 $\pm$ 1.156 χ^2 /NDF: 899.6/35

In: 3.160 $\pm$ 0.660 χ^2 /NDF: 2015.0/33

Out: 4.193 $\pm$ 0.646 χ^2 /NDF: 2102.3/37

All: 3.687 $\pm$ 0.461 χ^2 /NDF: 4118.6/71

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.292 ± 1.033 χ^2/NDF : 289.1/16

Left Out: -15.990 ± 0.589 χ^2/NDF : 191.0/18

Right Out: -35.566 ± 0.992 χ^2/NDF : 287.6/18

Left In: -15.948 ± 0.615 χ^2/NDF : 286.3/16

Left: -15.970 ± 0.425 χ^2/NDF : 477.4/35

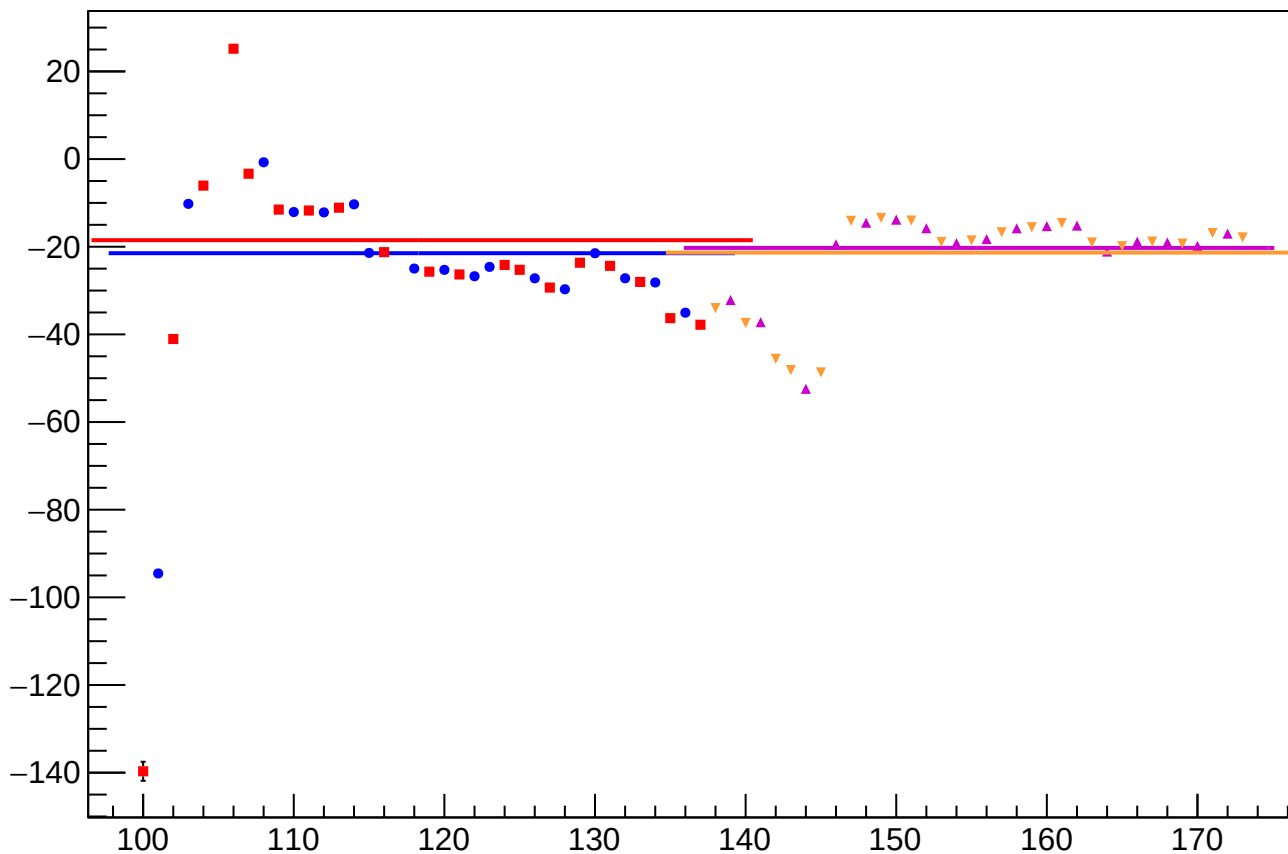
Right: -34.474 ± 0.716 χ^2/NDF : 579.3/35

In: -20.486 ± 0.528 χ^2/NDF : 783.6/33

Out: -21.093 ± 0.507 χ^2/NDF : 766.3/37

All: -20.802 ± 0.366 χ^2/NDF : 1550.5/71

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: -21.340 ± 0.027 $\chi^2/\text{NDF}: 129667.9/18$

Right Out: -18.506 ± 0.057 $\chi^2/\text{NDF}: 80734.5/18$

Left In: -20.269 ± 0.028 $\chi^2/\text{NDF}: 85408.3/16$

Left: -20.816 ± 0.020 $\chi^2/\text{NDF}: 215828.3/35$

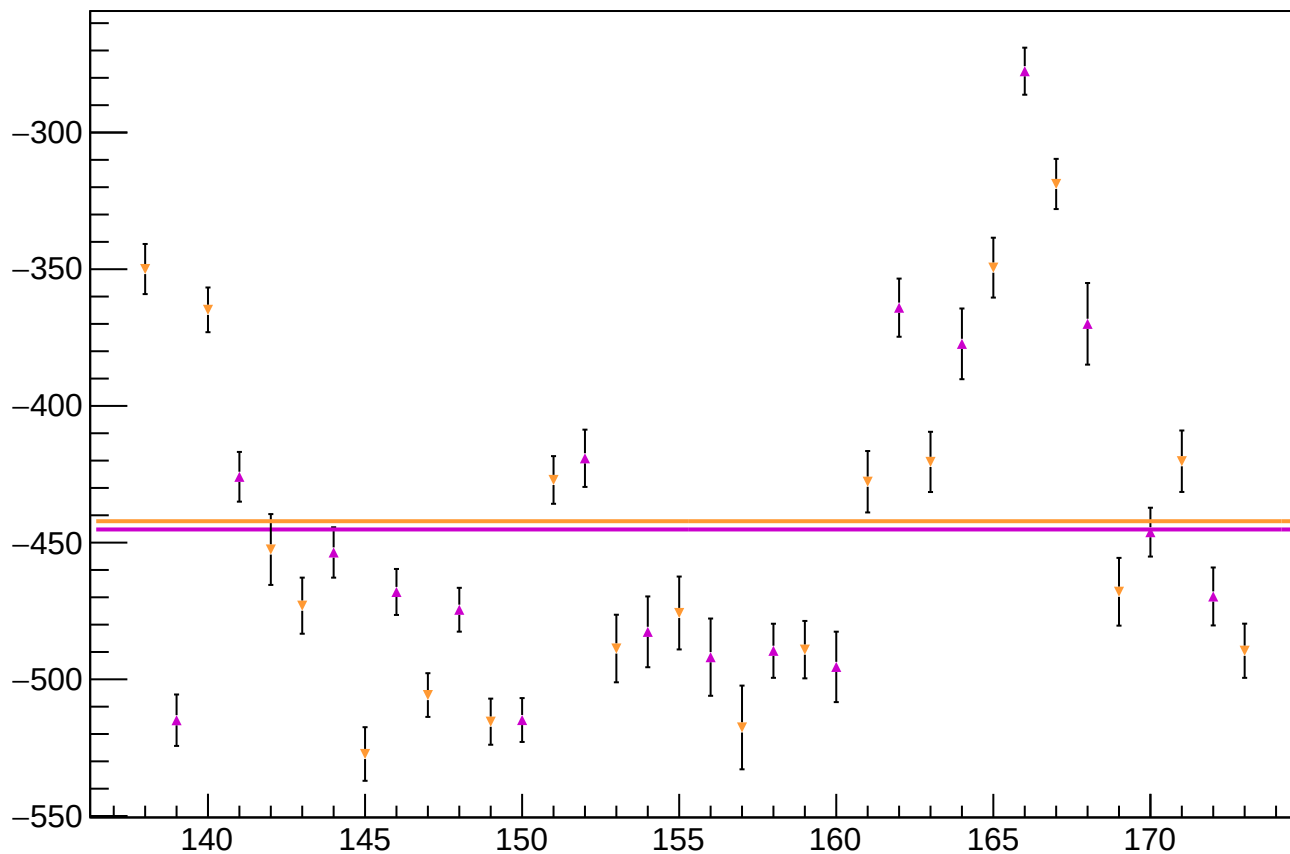
Right: -19.957 ± 0.041 $\chi^2/\text{NDF}: 131054.3/35$

In: -20.491 ± 0.025 $\chi^2/\text{NDF}: 134763.4/33$

Out: -20.815 ± 0.025 $\chi^2/\text{NDF}: 212392.0/37$

All: -20.657 ± 0.018 $\chi^2/\text{NDF}: 347239.7/71$

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -442.169+/-2.343 χ^2/NDF : 771.4/18

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

Left In: -445.191+/-2.418 χ^2/NDF : 713.2/16

Left: -443.632+/-1.683 χ^2/NDF : 1485.4/35

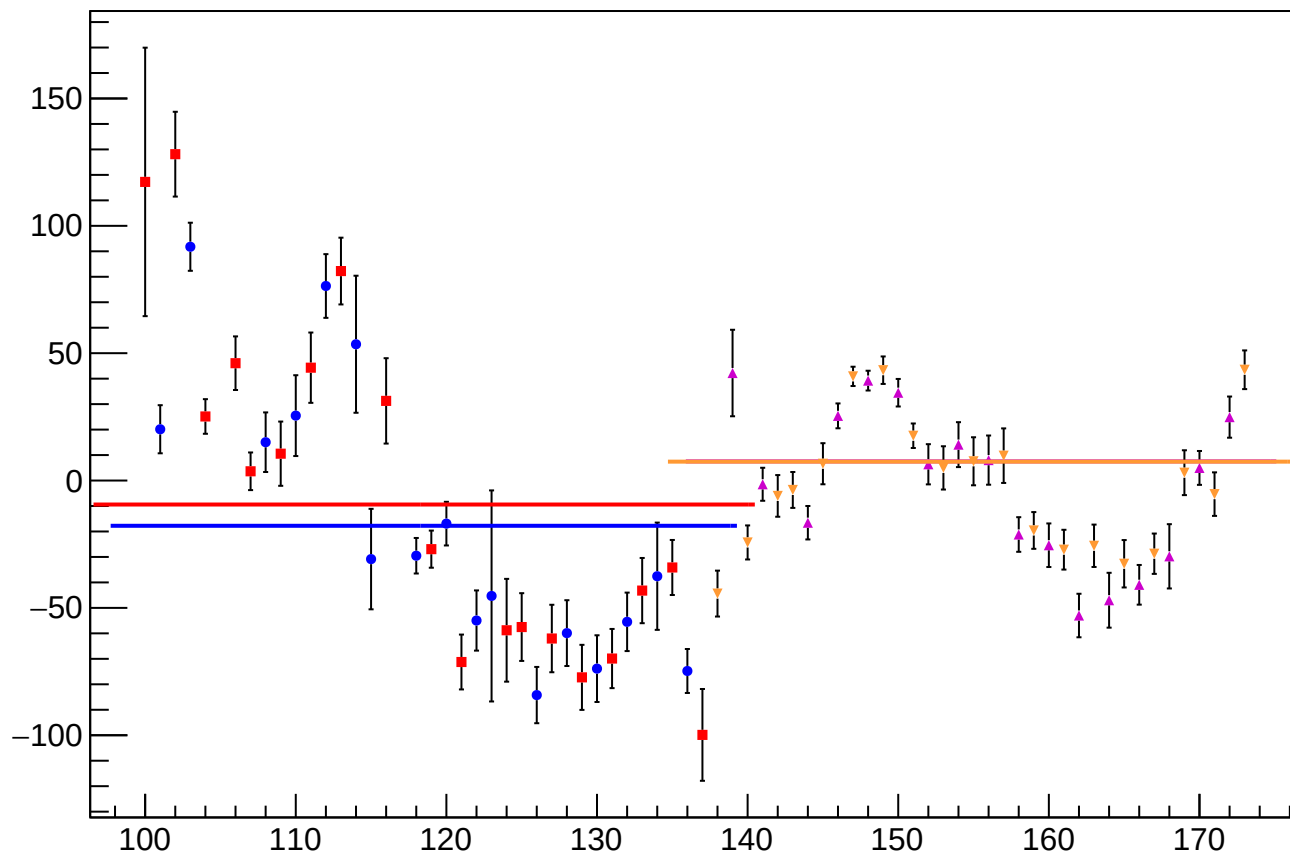
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -445.191+/-2.418 χ^2/NDF : 713.2/16

Out: -442.169+/-2.343 χ^2/NDF : 771.4/18

All: -443.632+/-1.683 χ^2/NDF : 1485.4/35

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -17.765 ± 2.781 χ^2/NDF : 363.9/16

Left Out: 7.418 ± 1.606 χ^2/NDF : 301.6/18

Right Out: -9.417 ± 2.613 χ^2/NDF : 369.6/18

Left In: 7.517 ± 1.688 χ^2/NDF : 285.7/16

Left: 7.465 ± 1.164 χ^2/NDF : 587.3/35

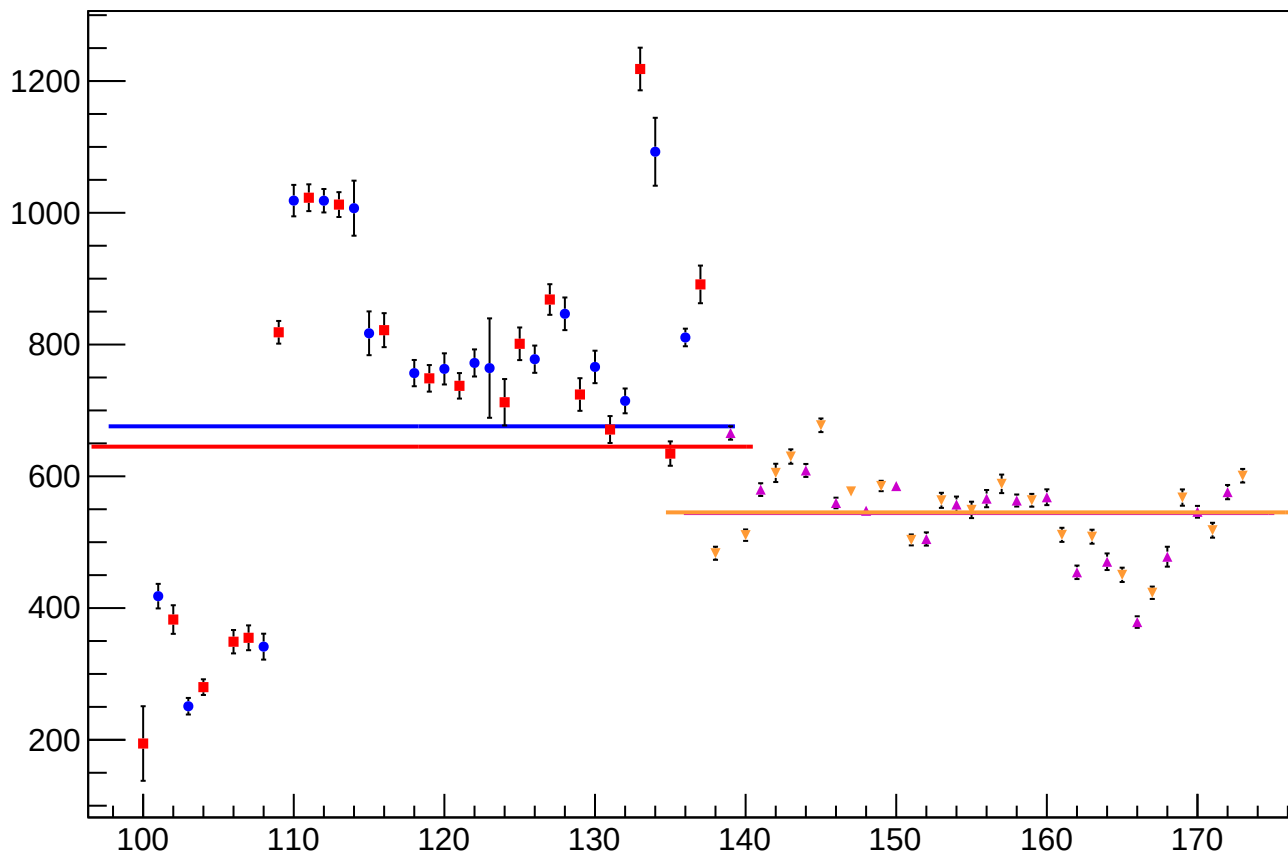
Right: -13.331 ± 1.905 χ^2/NDF : 738.2/35

In: 0.712 ± 1.443 χ^2/NDF : 709.9/33

Out: 2.802 ± 1.368 χ^2/NDF : 701.3/37

All: 1.813 ± 0.993 χ^2/NDF : 1412.3/71

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 675.871 $\pm$ 5.037 χ^2 /NDF: 2586.4/16

Left Out: 545.263 $\pm$ 2.322 χ^2 /NDF:686.5/18

Right Out: 645.014 $\pm$ 4.761 χ^2 /NDF: 3123.3/18

Left In: 544.207 $\pm$ 2.374 χ^2 /NDF:756.4/16

Left: 544.747 $\pm$ 1.660 χ^2 /NDF: 1443.0/35

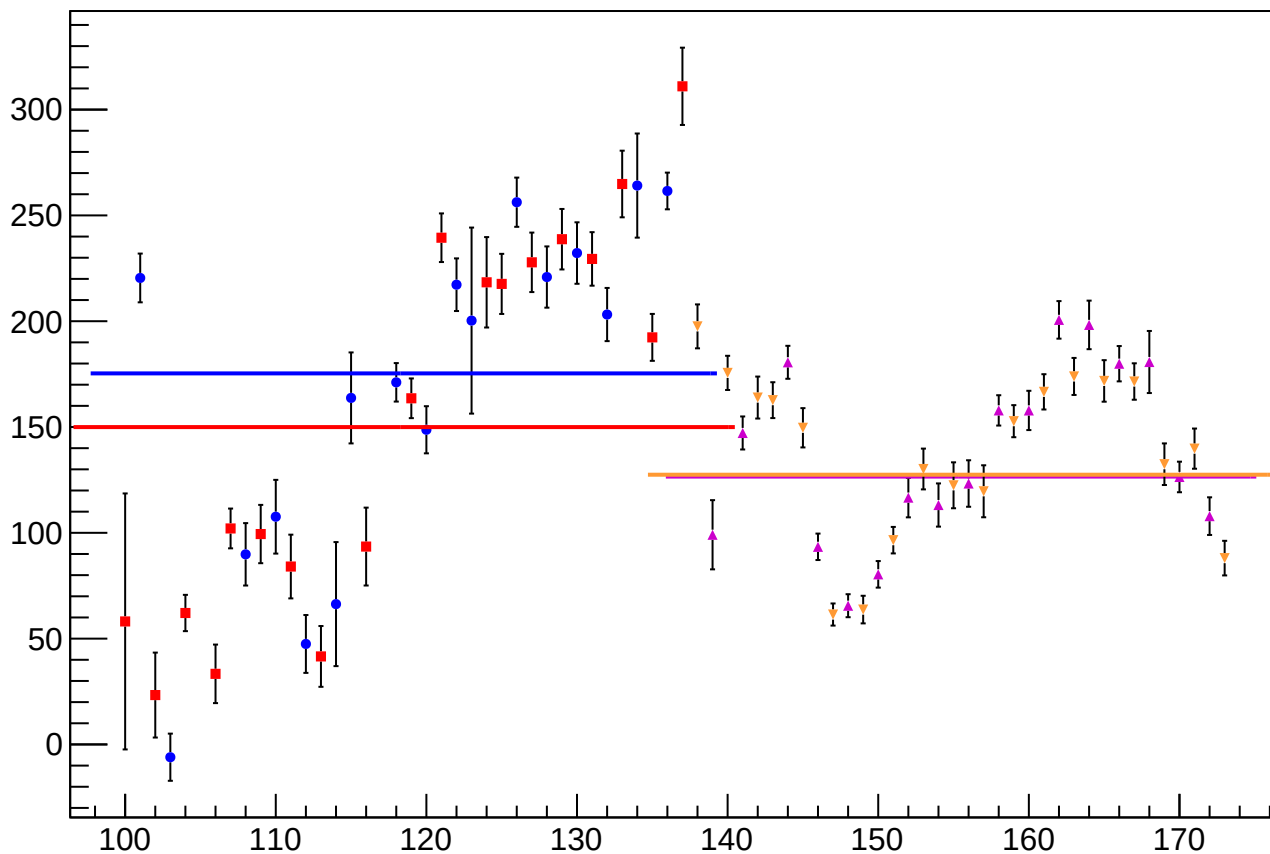
Right: 659.573 $\pm$ 3.460 χ^2 /NDF: 5729.5/35

In: 568.133 $\pm$ 2.147 χ^2 /NDF:3901.9/33

Out: 564.431 $\pm$ 2.087 χ^2 /NDF:4164.4/37

All: 566.230 $\pm$ 1.497 χ^2 /NDF: 8067.8/71

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: 127.461 $\pm$ 1.900 χ^2 /NDF:531.1/18

Right Out: 149.966 $\pm$ 3.045 χ^2 /NDF: 693.2/18

Left In: 126.576 $\pm$ 1.988 χ^2 /NDF:467.3/16

Left: 127.038 $\pm$ 1.374 χ^2 /NDF: 998.4/35

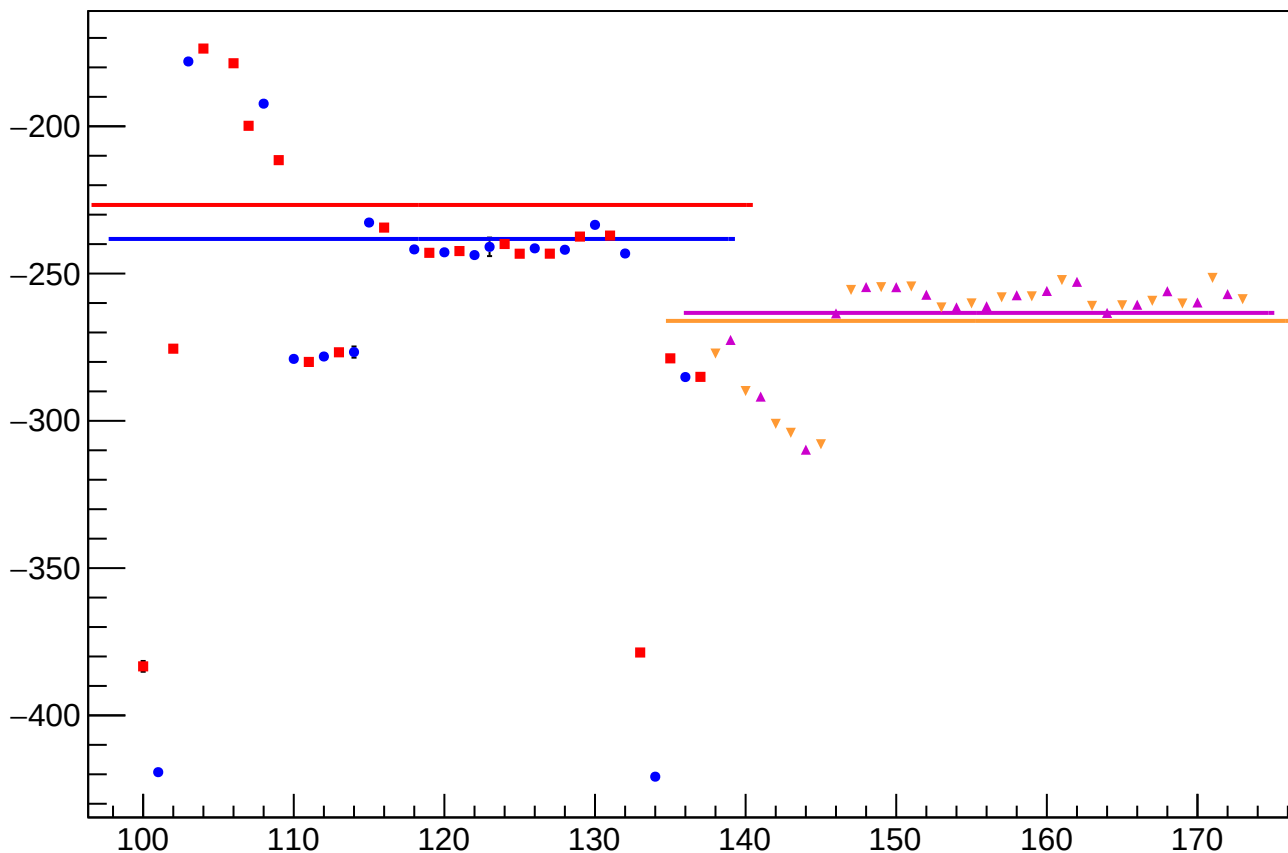
Right: 162.013 $\pm$ 2.207 χ^2 /NDF: 1364.6/35

In: 140.137 $\pm$ 1.689 χ^2 /NDF:1273.1/33

Out: 133.769 $\pm$ 1.612 χ^2 /NDF:1263.5/37

All: 136.805 $\pm$ 1.166 χ^2 /NDF: 2544.0/71

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.248 ± 0.160 χ^2/NDF : 167125.9/16

Left Out: -266.068 ± 0.092 χ^2/NDF : 34540.1/18

Right Out: -226.706 ± 0.151 χ^2/NDF : 102831.3/18

Left In: -263.352 ± 0.094 χ^2/NDF : 21225.1/16

Left: -264.736 ± 0.066 χ^2/NDF : 56191.1/35

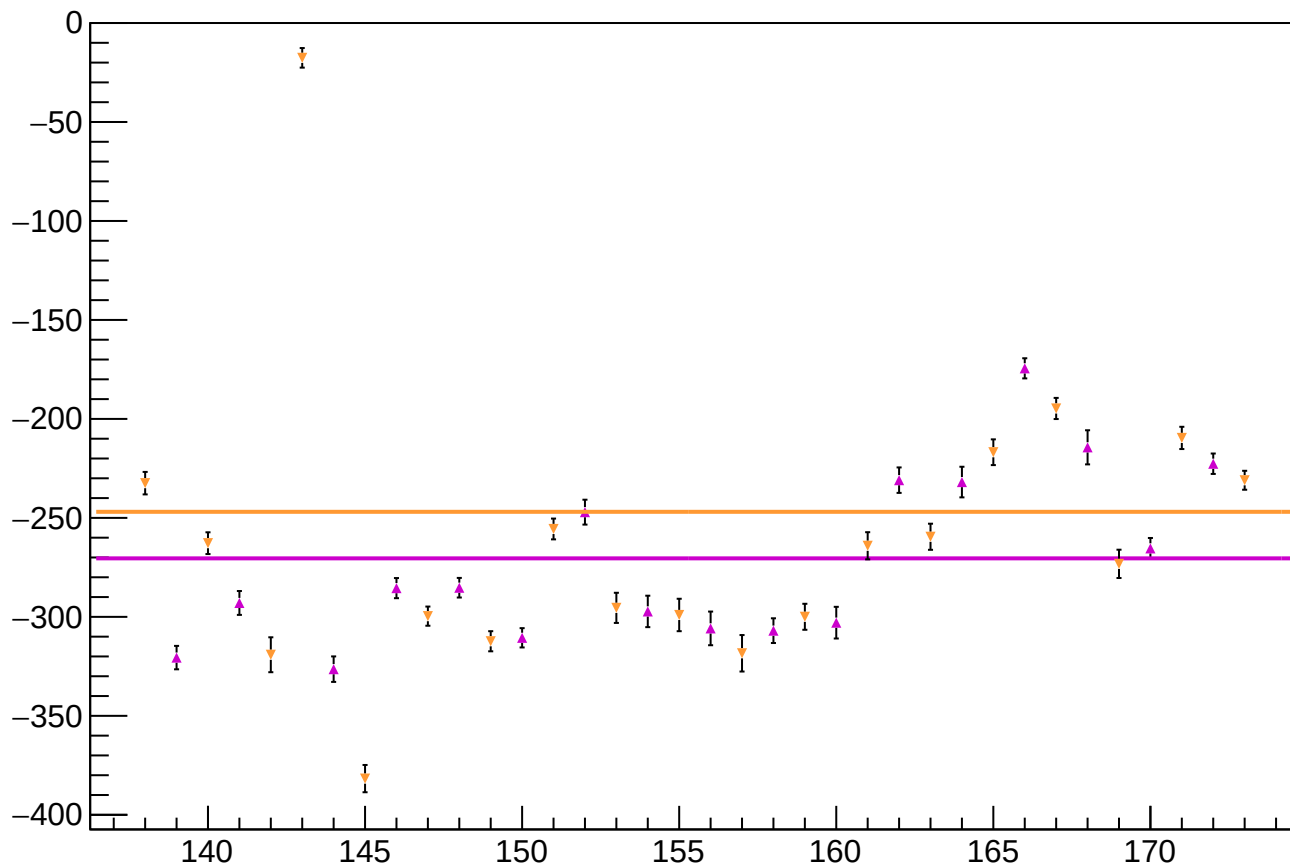
Right: -232.150 ± 0.110 χ^2/NDF : 272709.4/35

In: -256.911 ± 0.081 χ^2/NDF : 206669.6/33

Out: -255.392 ± 0.079 χ^2/NDF : 186827.8/37

All: -256.129 ± 0.056 χ^2/NDF : 393678.2/71

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: -246.929+/-1.385 χ^2/NDF :3303.2/18

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

Left In: -270.449+/-1.467 χ^2/NDF :887.8/16

Left: -258.011+/-1.007 χ^2/NDF : 4327.0/35

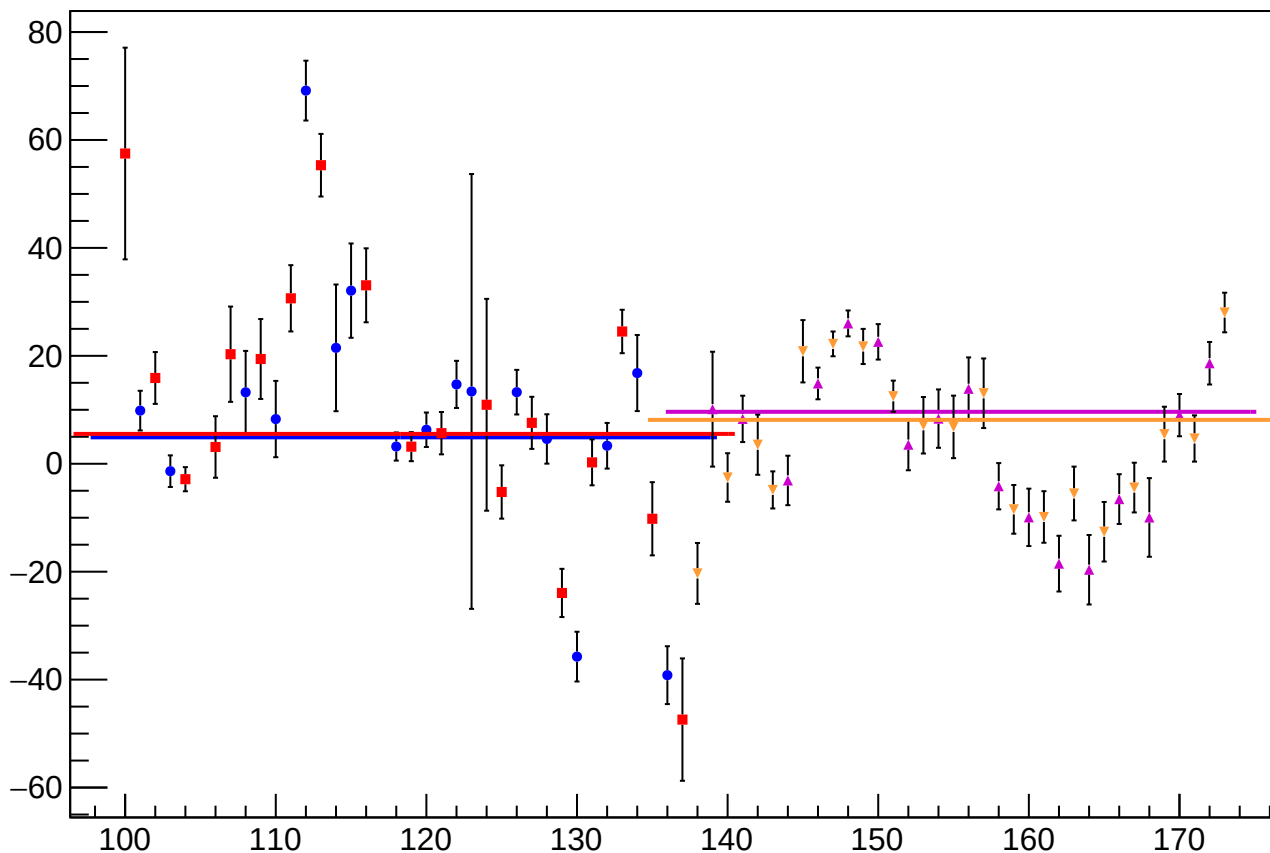
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -270.449+/-1.467 χ^2/NDF :887.8/16

Out: -246.929+/-1.385 χ^2/NDF :3303.2/18

All: -258.011+/-1.007 χ^2/NDF : 4327.0/35

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.896 ± 1.089 $\chi^2/\text{NDF}: 312.0/16$

Left Out: 8.132 ± 0.953 $\chi^2/\text{NDF}: 195.9/18$

Right Out: 5.534 ± 1.071 $\chi^2/\text{NDF}: 239.1/18$

Left In: 9.627 ± 1.027 $\chi^2/\text{NDF}: 174.4/16$

Left: 8.824 ± 0.698 $\chi^2/\text{NDF}: 371.4/35$

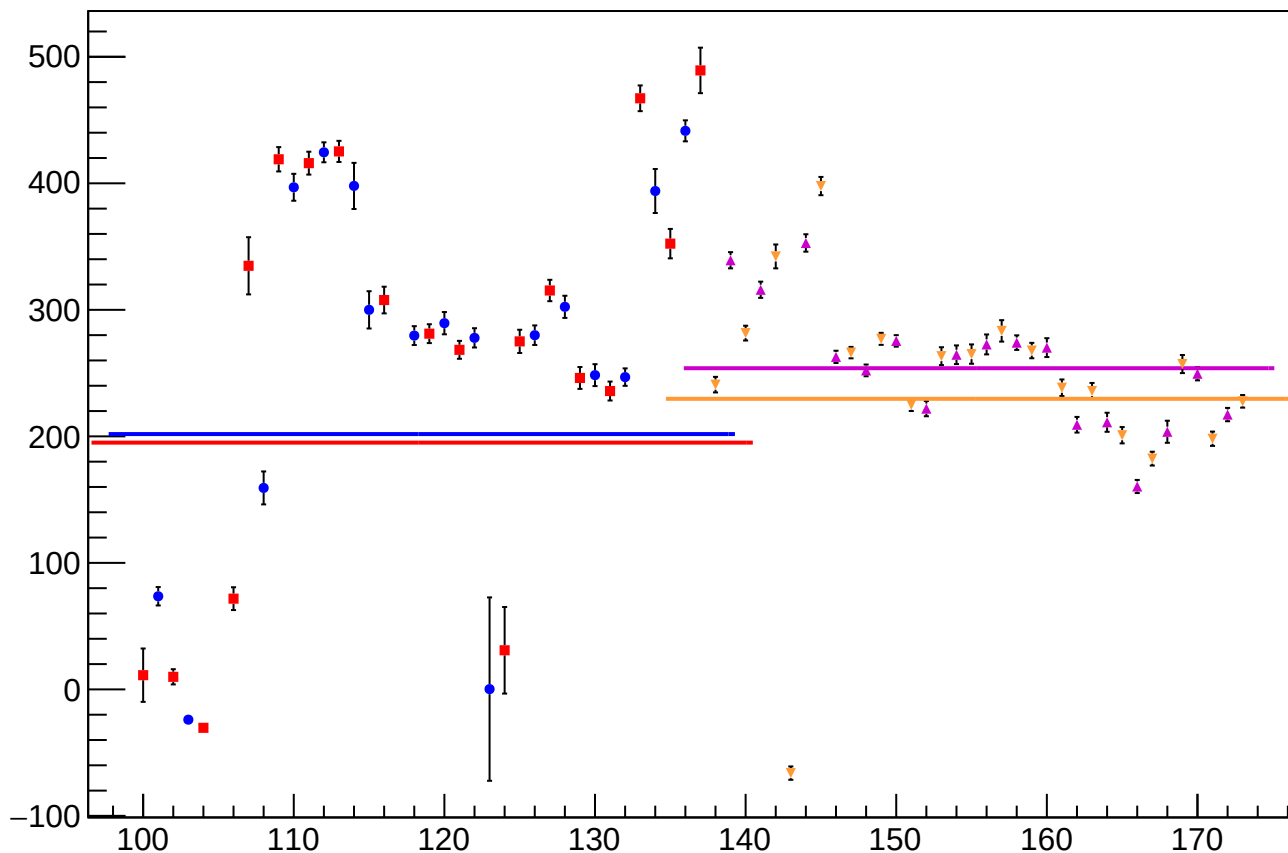
Right: 5.220 ± 0.764 $\chi^2/\text{NDF}: 551.3/35$

In: 7.400 ± 0.747 $\chi^2/\text{NDF}: 496.3/33$

Out: 6.985 ± 0.712 $\chi^2/\text{NDF}: 438.3/37$

All: 7.183 ± 0.515 $\chi^2/\text{NDF}: 934.8/71$

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: 229.693 $\pm$ 1.374 χ^2 /NDF:4338.1/18

Right Out: 195.053 $\pm$ 1.924 χ^2 /NDF: 8257.1/18

Left In: 253.857 $\pm$ 1.439 χ^2 /NDF:1048.2/16

Left: 241.218 $\pm$ 0.994 χ^2 /NDF: 5533.7/35

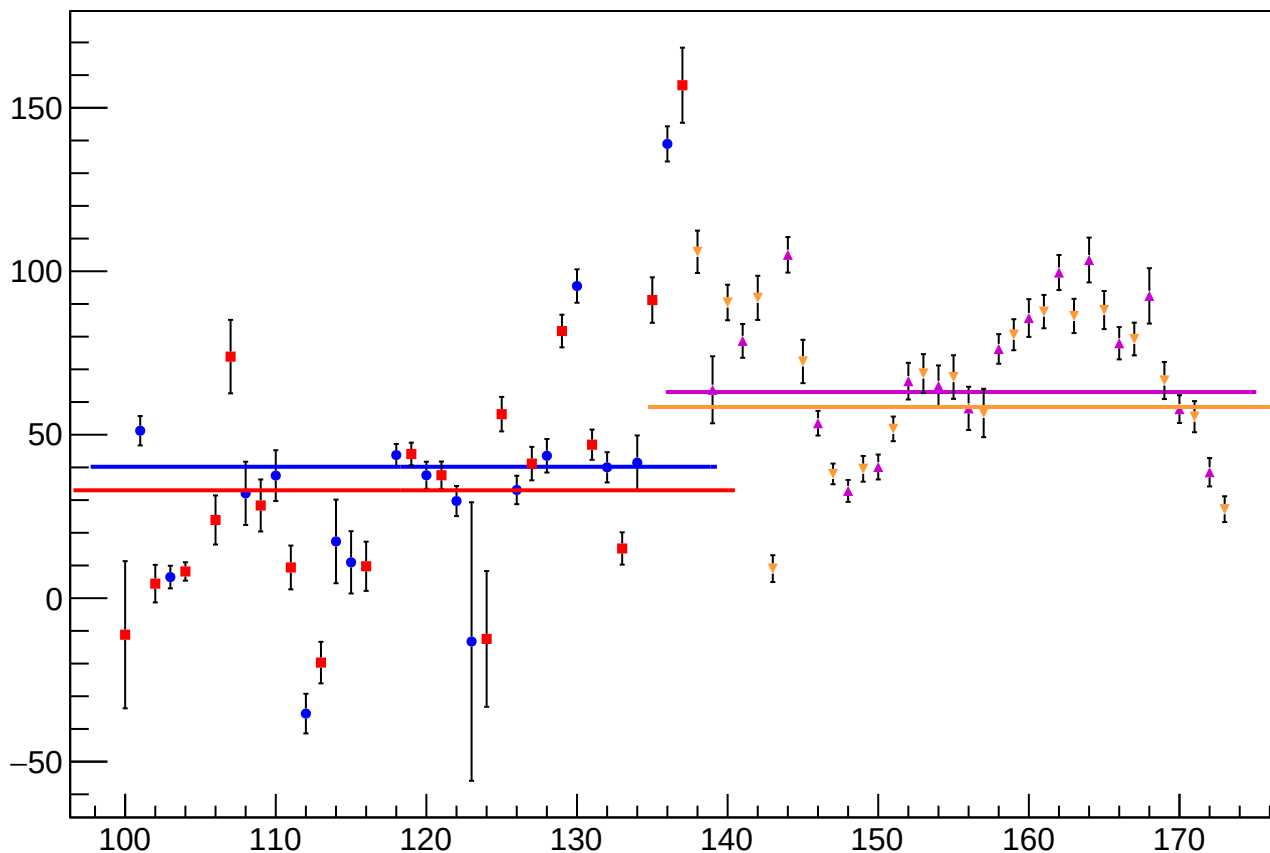
Right: 198.351 $\pm$ 1.377 χ^2 /NDF: 15017.4/35

In: 235.753 $\pm$ 1.162 χ^2 /NDF:8257.5/33

Out: 217.996 $\pm$ 1.118 χ^2 /NDF:12809.7/37

All: 226.534 $\pm$ 0.806 χ^2 /NDF: 21188.5/71

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: 58.486 $\pm$ 1.123 χ^2 /NDF:526.0/18

Right Out: 32.999 $\pm$ 1.253 χ^2 /NDF: 554.1/18

Left In: 63.056 $\pm$ 1.206 χ^2 /NDF:353.1/16

Left: 60.606 $\pm$ 0.822 χ^2 /NDF: 886.9/35

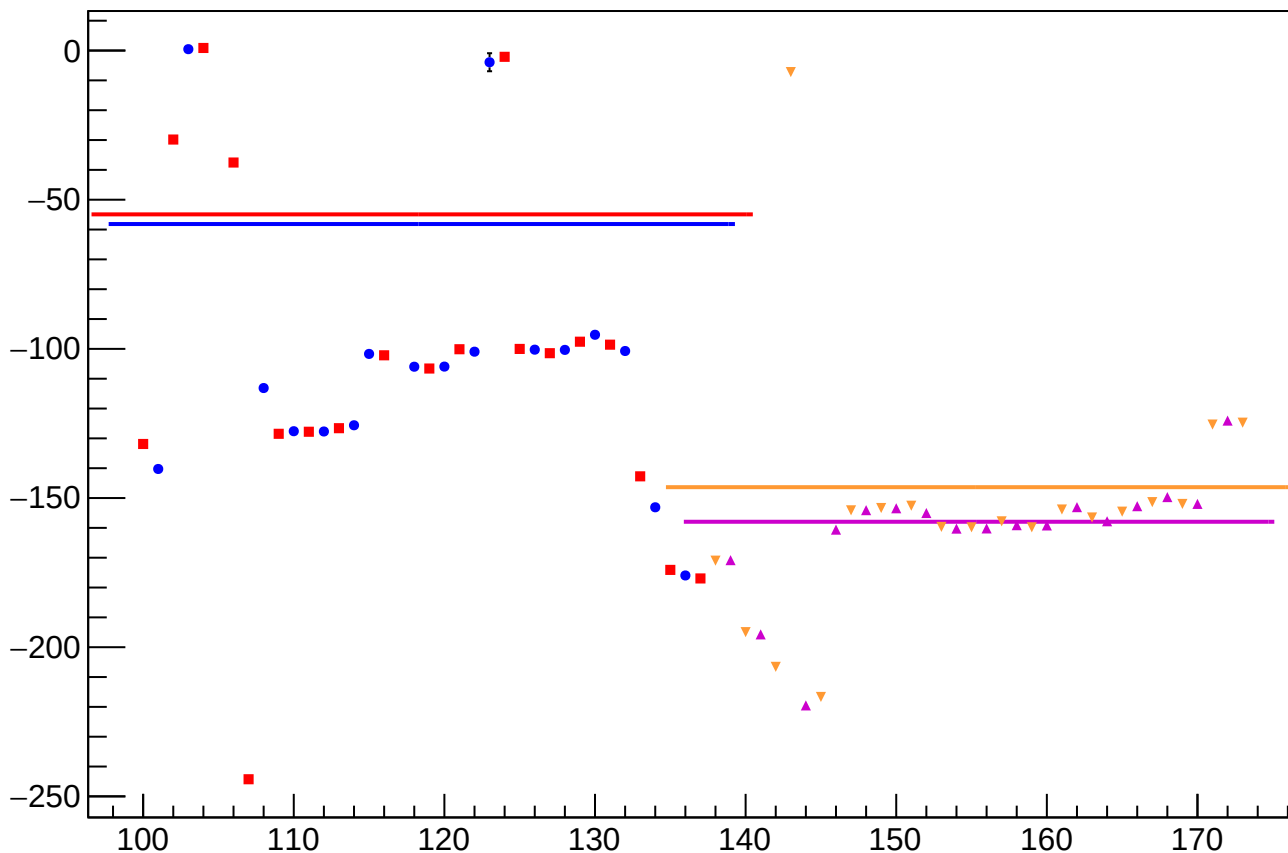
Right: 36.555 $\pm$ 0.891 χ^2 /NDF: 1305.3/35

In: 52.190 $\pm$ 0.874 χ^2 /NDF:1258.7/33

Out: 47.133 $\pm$ 0.836 χ^2 /NDF:1309.7/37

All: 49.550 $\pm$ 0.604 χ^2 /NDF: 2586.0/71

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -58.155 $\pm$ 0.062 χ^2 /NDF: 1105509.3/16

Left Out: -146.360 $\pm$ 0.054 χ^2 /NDF: 610222.5/18

Right Out: -54.914 $\pm$ 0.060 χ^2 /NDF: 1003885.5/18

Left In: -157.950 $\pm$ 0.057 χ^2 /NDF: 102573.2/16

Left: -151.893 $\pm$ 0.039 χ^2 /NDF: 734605.7/35

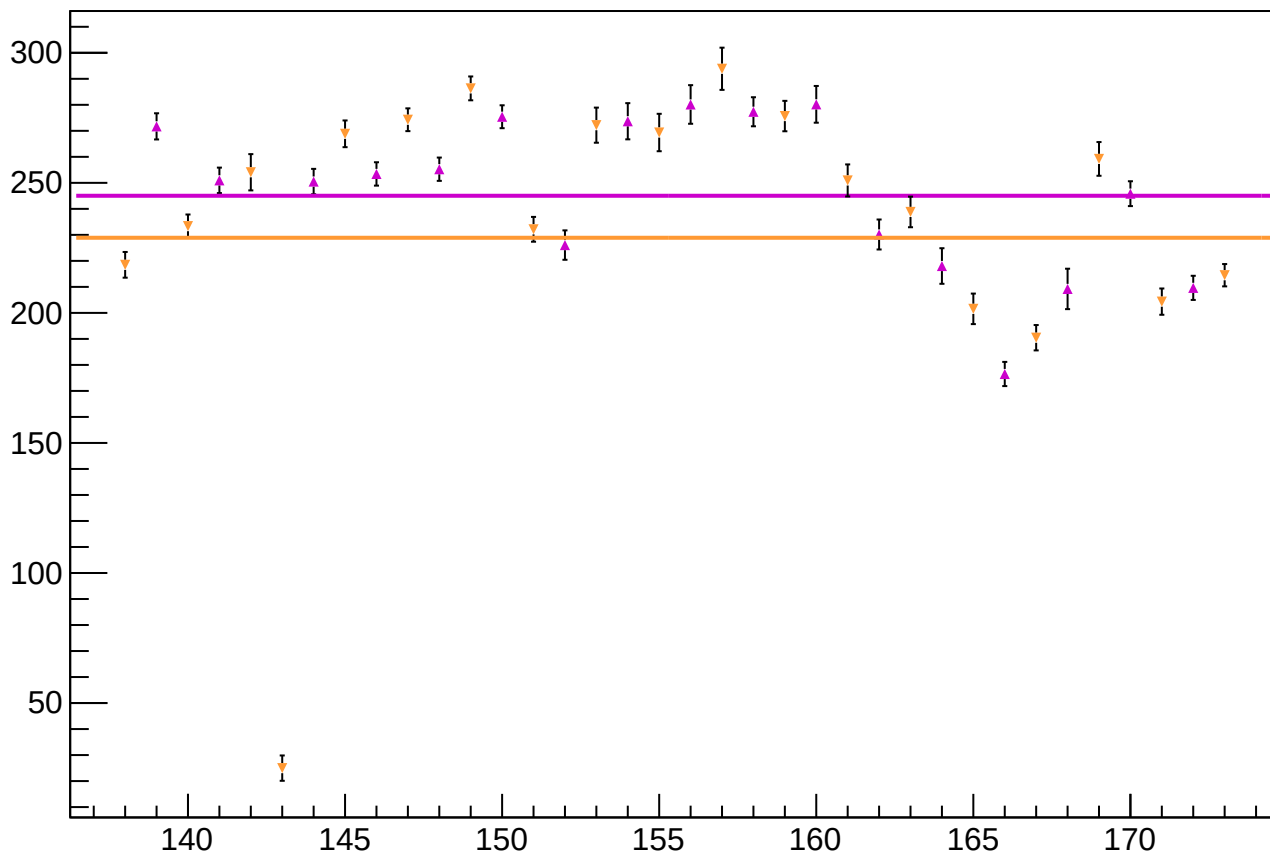
Right: -56.499 $\pm$ 0.043 χ^2 /NDF: 2110811.0/35

In: -112.126 $\pm$ 0.042 χ^2 /NDF: 2628725.5/33

Out: -105.415 $\pm$ 0.040 χ^2 /NDF: 2887536.3/37

All: -108.654 $\pm$ 0.029 χ^2 /NDF: 5529648.5/71

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: 228.888+/-1.227 χ^2/NDF :2454.2/18

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

Left In: 245.037+/-1.290 χ^2/NDF :514.7/16

Left: 236.557+/-0.889 χ^2/NDF : 3051.1/35

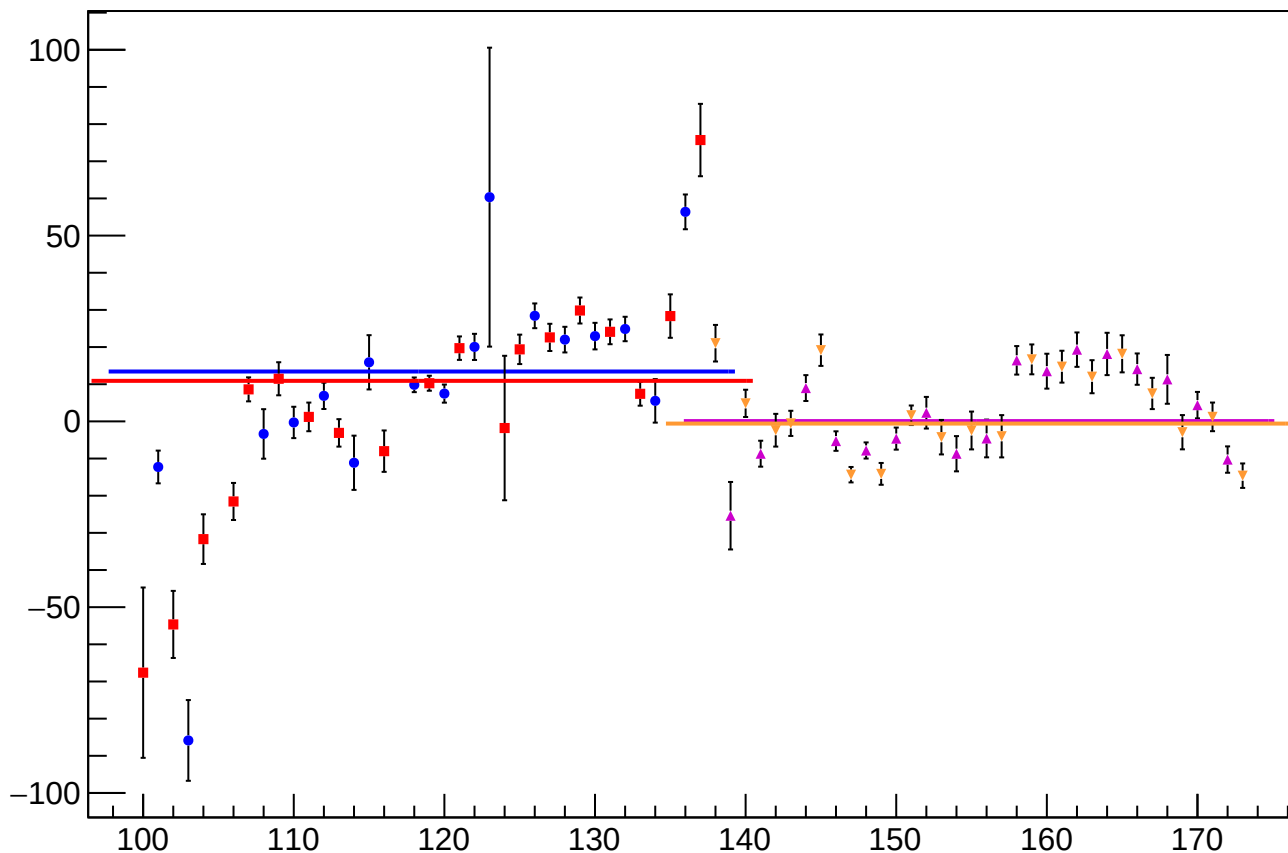
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 245.037+/-1.290 χ^2/NDF :514.7/16

Out: 228.888+/-1.227 χ^2/NDF :2454.2/18

All: 236.557+/-0.889 χ^2/NDF : 3051.1/35

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: -0.593+/-0.849 χ^2/NDF :186.2/18

Right Out: 10.908+/-0.916 χ^2/NDF : 302.6/18

Left In: 0.078+/-0.907 χ^2/NDF :122.8/16

Left: -0.280+/-0.620 χ^2/NDF : 309.3/35

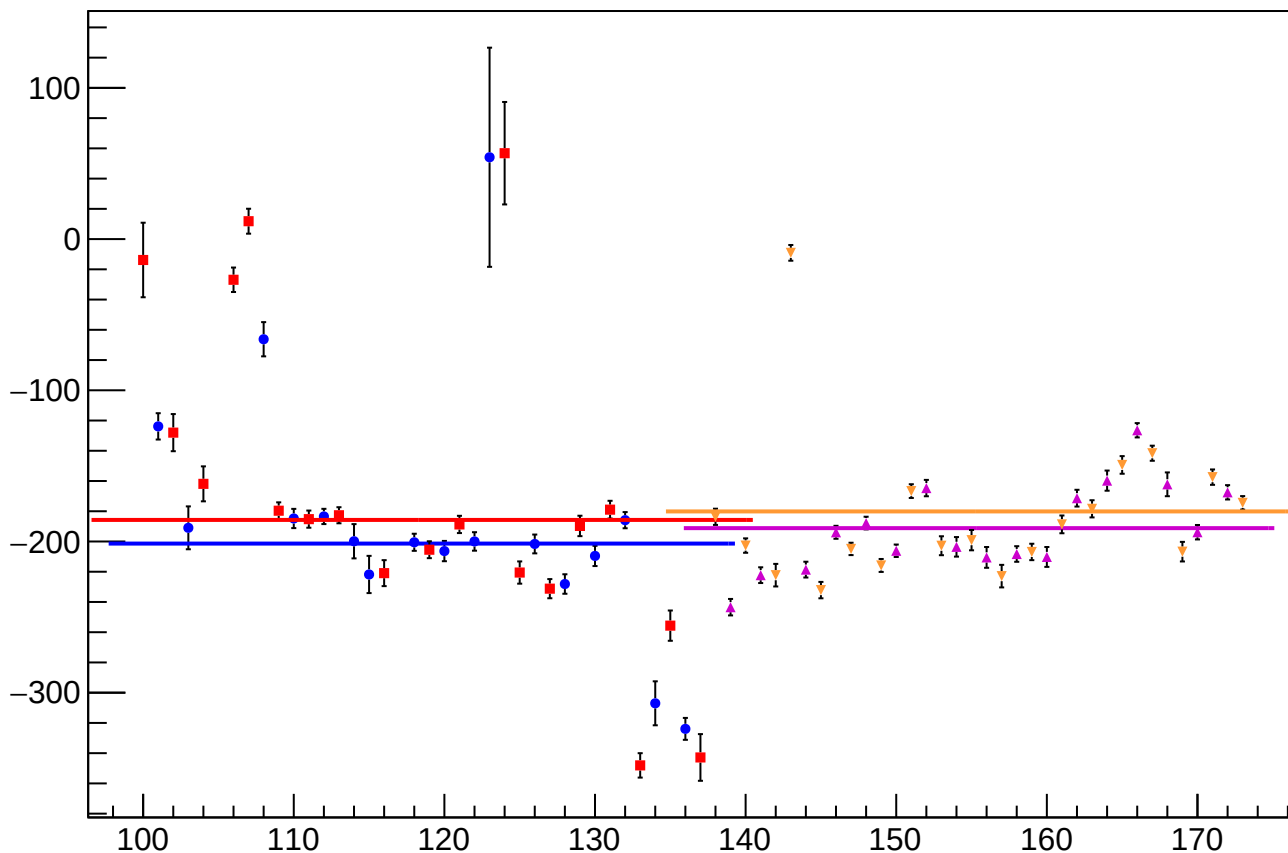
Right: 12.160+/-0.649 χ^2/NDF : 601.6/35

In: 6.662+/-0.646 χ^2/NDF :524.7/33

Out: 4.718+/-0.623 χ^2/NDF :573.6/37

All: 5.654+/-0.448 χ^2/NDF : 1103.0/71

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -201.384 ± 1.779 $\chi^2/\text{NDF}: 623.5/16$

Left Out: -180.116 ± 1.220 $\chi^2/\text{NDF}: 1550.1/18$

Right Out: -185.739 ± 1.700 $\chi^2/\text{NDF}: 1749.3/18$

Left In: -191.173 ± 1.269 $\chi^2/\text{NDF}: 485.0/16$

Left: -185.425 ± 0.879 $\chi^2/\text{NDF}: 2074.5/35$

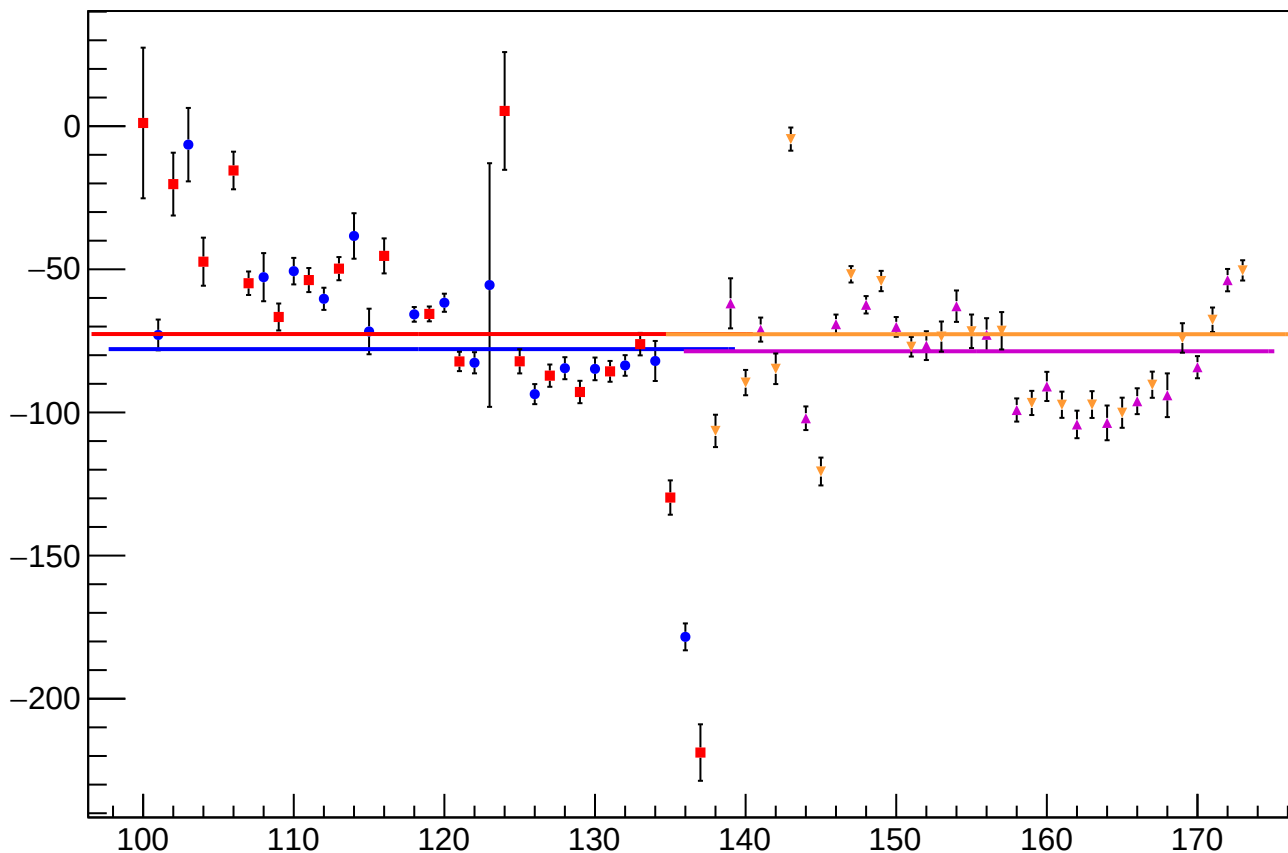
Right: -193.204 ± 1.229 $\chi^2/\text{NDF}: 2413.2/35$

In: -194.615 ± 1.033 $\chi^2/\text{NDF}: 1130.3/33$

Out: -182.027 ± 0.991 $\chi^2/\text{NDF}: 3306.6/37$

All: -188.059 ± 0.715 $\chi^2/\text{NDF}: 4514.2/71$

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: -72.670 ± 0.999 χ^2/NDF : 691.1/18

Right Out: -72.612 ± 1.054 χ^2/NDF : 606.9/18

Left In: -78.631 ± 1.065 χ^2/NDF : 229.4/16

Left: -75.460 ± 0.729 χ^2/NDF : 937.2/35

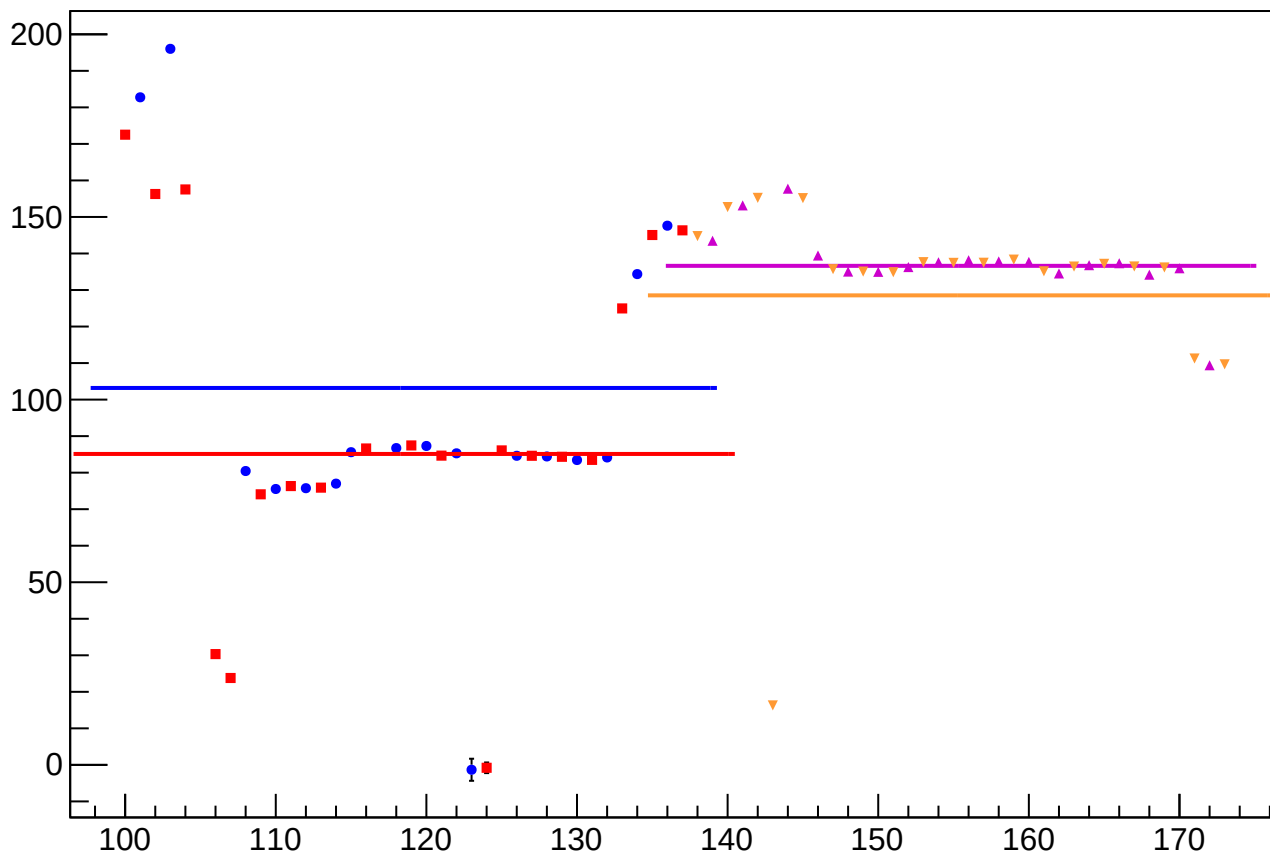
Right: -75.215 ± 0.749 χ^2/NDF : 1277.4/35

In: -78.254 ± 0.753 χ^2/NDF : 887.8/33

Out: -72.643 ± 0.725 χ^2/NDF : 1298.0/37

All: -75.341 ± 0.522 χ^2/NDF : 2214.6/71

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: 128.536 $\pm$ 0.048 χ^2 /NDF: 373587.8/18

Right Out: 85.121 $\pm$ 0.064 χ^2 /NDF: 423521.4/18

Left In: 136.619 $\pm$ 0.050 χ^2 /NDF: 42680.6/16

Left: 132.418 $\pm$ 0.035 χ^2 /NDF: 429820.2/35

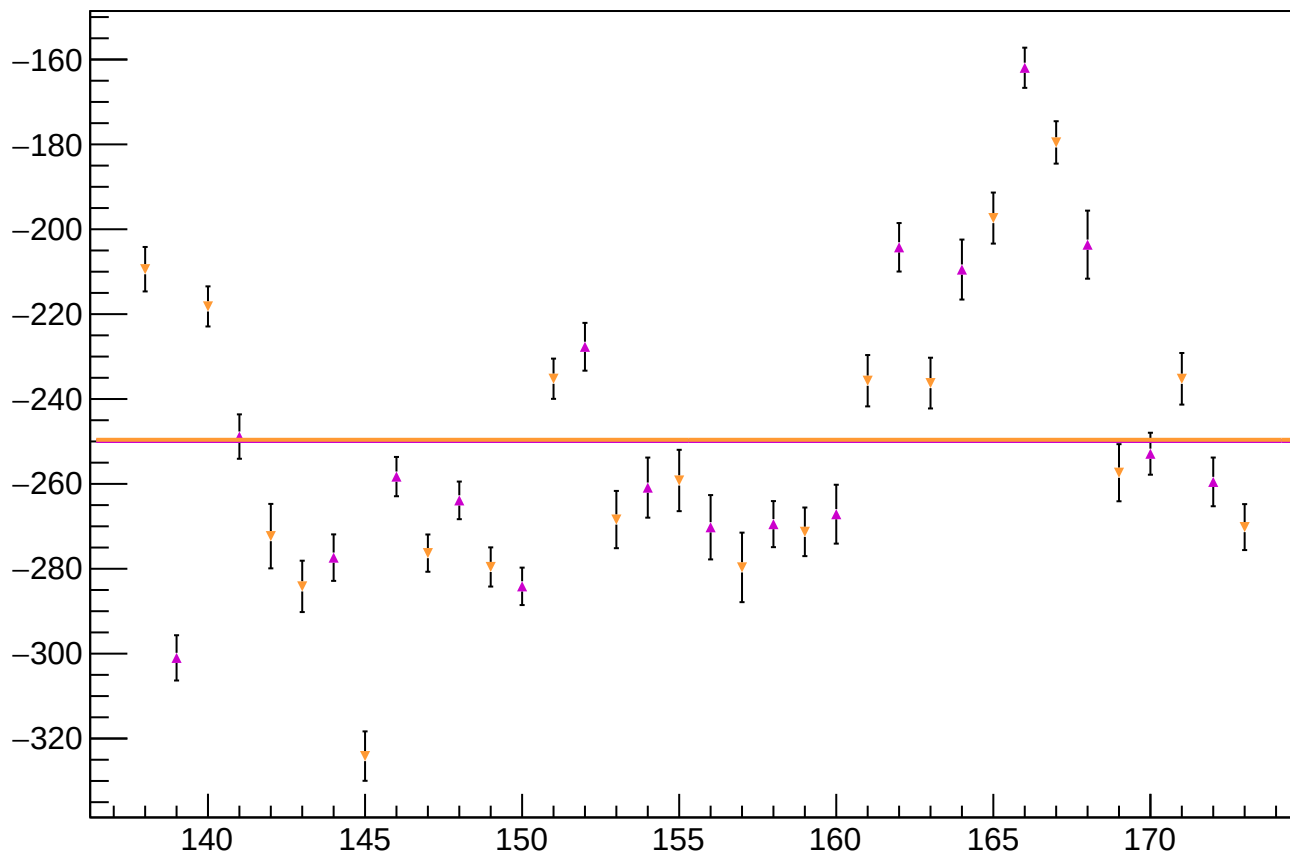
Right: 93.266 $\pm$ 0.047 χ^2 /NDF: 733347.5/35

In: 125.378 $\pm$ 0.041 χ^2 /NDF: 466229.4/33

Out: 112.772 $\pm$ 0.038 χ^2 /NDF: 1092726.4/37

All: 118.696 $\pm$ 0.028 χ^2 /NDF: 1609597.5/71

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: -249.608+/-1.300 χ^2/NDF : 737.8/18

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

Left In: -249.892+/-1.337 χ^2/NDF : 712.9/16

Left: -249.746+/-0.932 χ^2/NDF : 1450.8/35

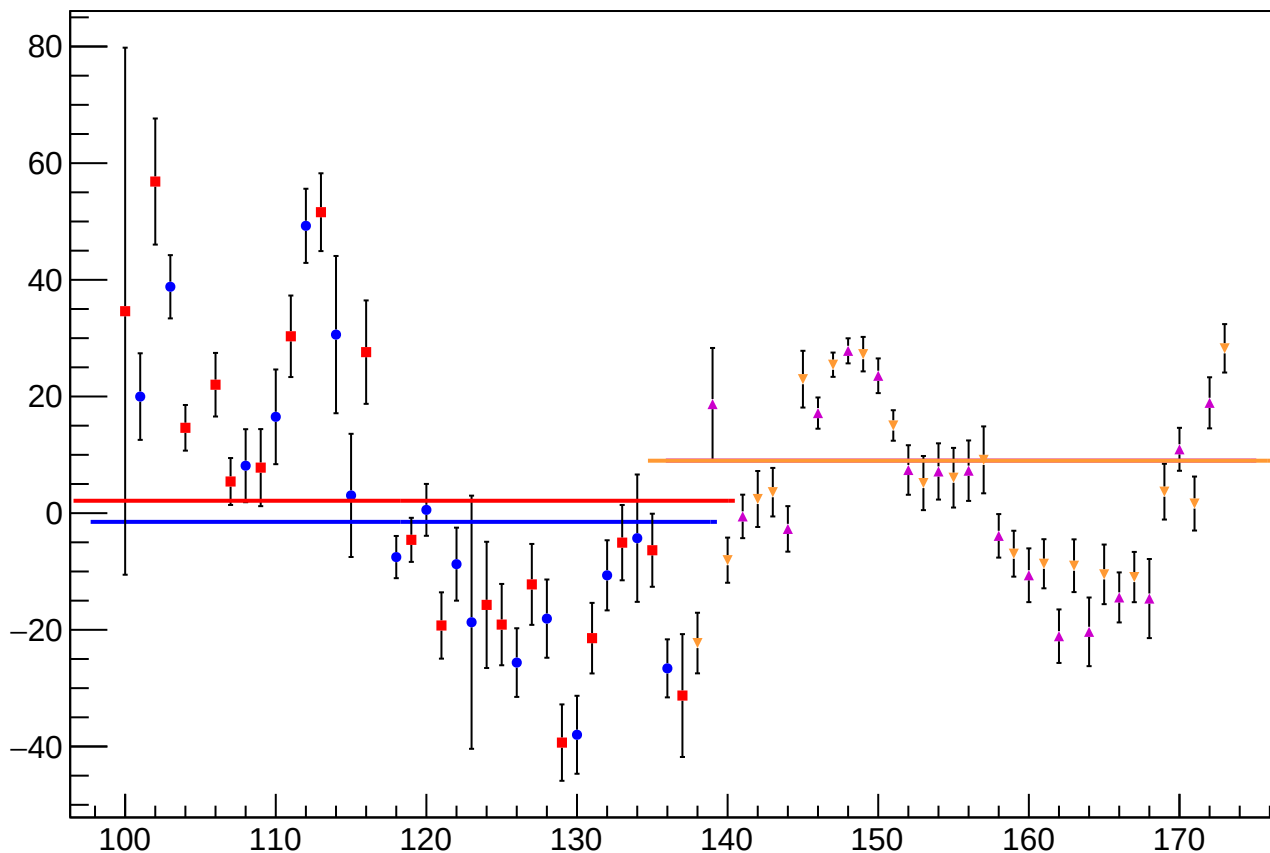
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -249.892+/-1.337 χ^2/NDF : 712.9/16

Out: -249.608+/-1.300 χ^2/NDF : 737.8/18

All: -249.746+/-0.932 χ^2/NDF : 1450.8/35

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: 8.993 ± 0.889 $\chi^2/\text{NDF}: 285.6/18$

Right Out: 2.127 ± 1.402 $\chi^2/\text{NDF}: 232.6/18$

Left In: 9.013 ± 0.932 $\chi^2/\text{NDF}: 272.4/16$

Left: 9.002 ± 0.644 $\chi^2/\text{NDF}: 558.0/35$

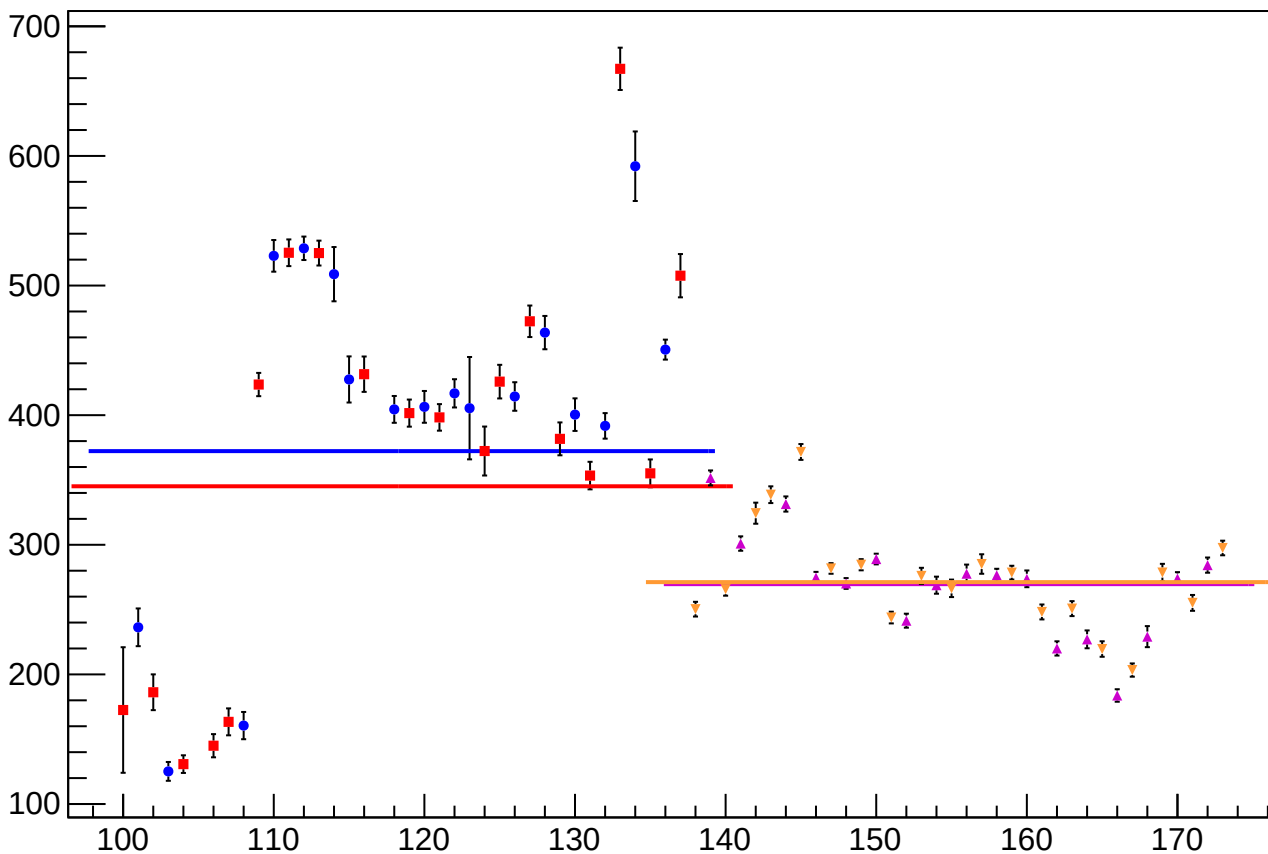
Right: 0.455 ± 1.029 $\chi^2/\text{NDF}: 461.8/35$

In: 6.122 ± 0.794 $\chi^2/\text{NDF}: 533.4/33$

Out: 7.024 ± 0.751 $\chi^2/\text{NDF}: 535.3/37$

All: 6.598 ± 0.546 $\chi^2/\text{NDF}: 1069.4/71$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 372.263 $\pm$ 2.759 χ^2/NDF : 2433.1/16

Left Out: 271.198 $\pm$ 1.285 χ^2/NDF :804.9/18

Right Out: 345.135 $\pm$ 2.562 χ^2/NDF : 3416.5/18

Left In: 269.633 $\pm$ 1.310 χ^2/NDF :867.5/16

Left: 270.431 $\pm$ 0.917 χ^2/NDF : 1673.1/35

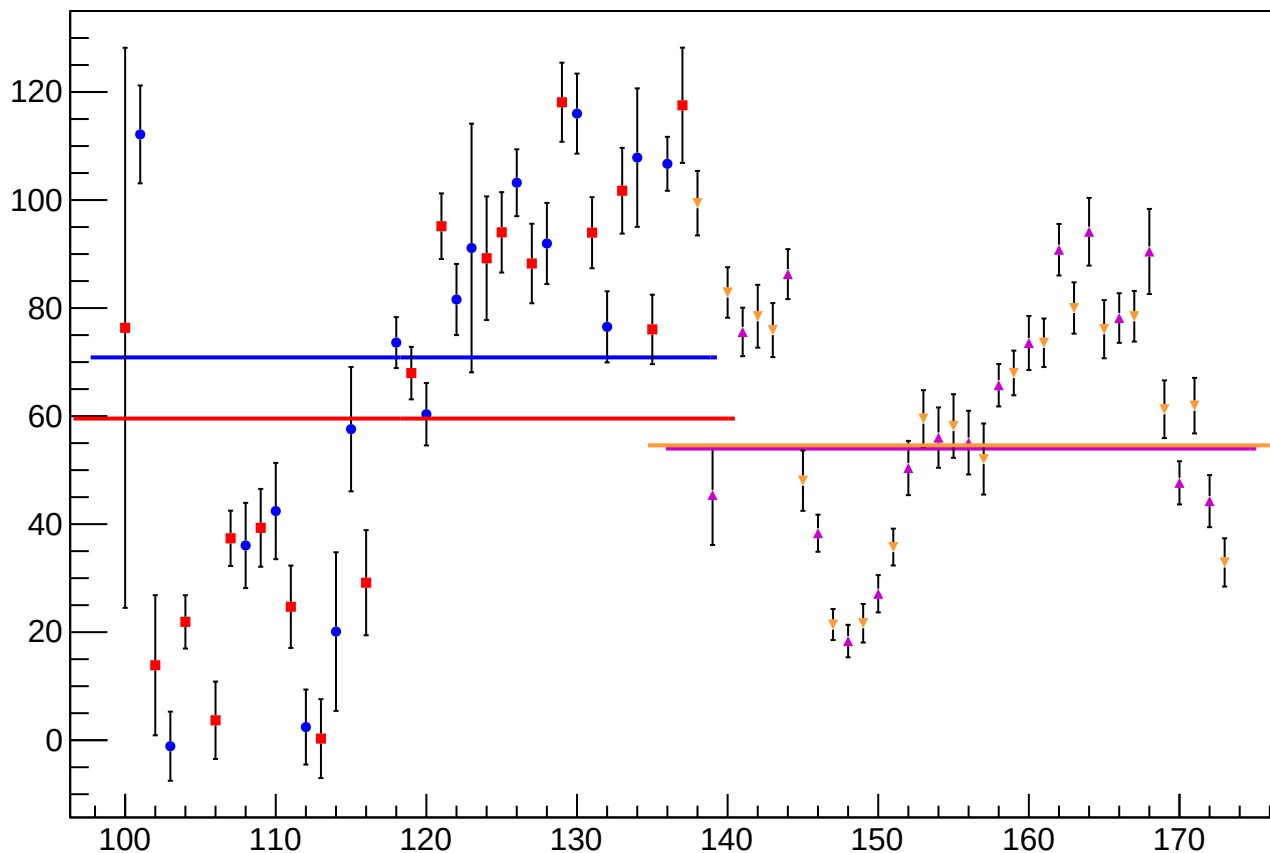
Right: 357.695 $\pm$ 1.878 χ^2/NDF : 5901.5/35

In: 288.500 $\pm$ 1.183 χ^2/NDF :4429.6/33

Out: 286.057 $\pm$ 1.149 χ^2/NDF :4886.7/37

All: 287.242 $\pm$ 0.824 χ^2/NDF : 9318.5/71

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: 54.590 $\pm$ 1.051 χ^2 /NDF:506.0/18

Right Out: 59.546 $\pm$ 1.633 χ^2 /NDF: 490.9/18

Left In: 53.993 $\pm$ 1.097 χ^2 /NDF:475.9/16

Left: 54.304 $\pm$ 0.759 χ^2 /NDF: 982.0/35

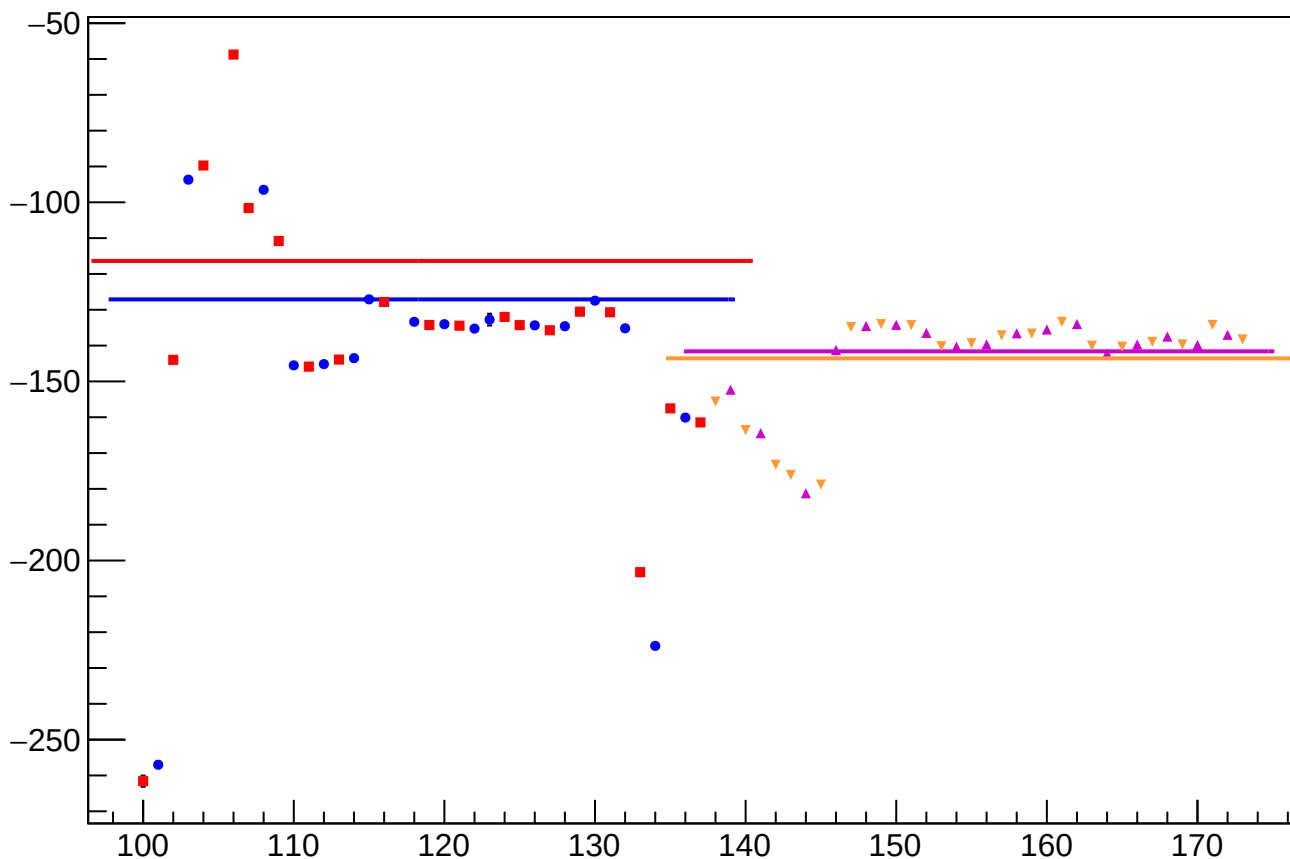
Right: 64.838 $\pm$ 1.192 χ^2 /NDF: 940.3/35

In: 58.781 $\pm$ 0.928 χ^2 /NDF:970.0/33

Out: 56.042 $\pm$ 0.884 χ^2 /NDF:1003.4/37

All: 57.344 $\pm$ 0.640 χ^2 /NDF: 1977.9/71

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -127.105+/-0.089 χ^2/NDF : 167064.7/16

Left Out: -143.553+/-0.051 χ^2/NDF : 71728.4/18

Right Out: -116.369+/-0.083 χ^2/NDF : 167595.6/18

Left In: -141.608+/-0.052 χ^2/NDF : 44515.5/16

Left: -142.596+/-0.036 χ^2/NDF : 116961.5/35

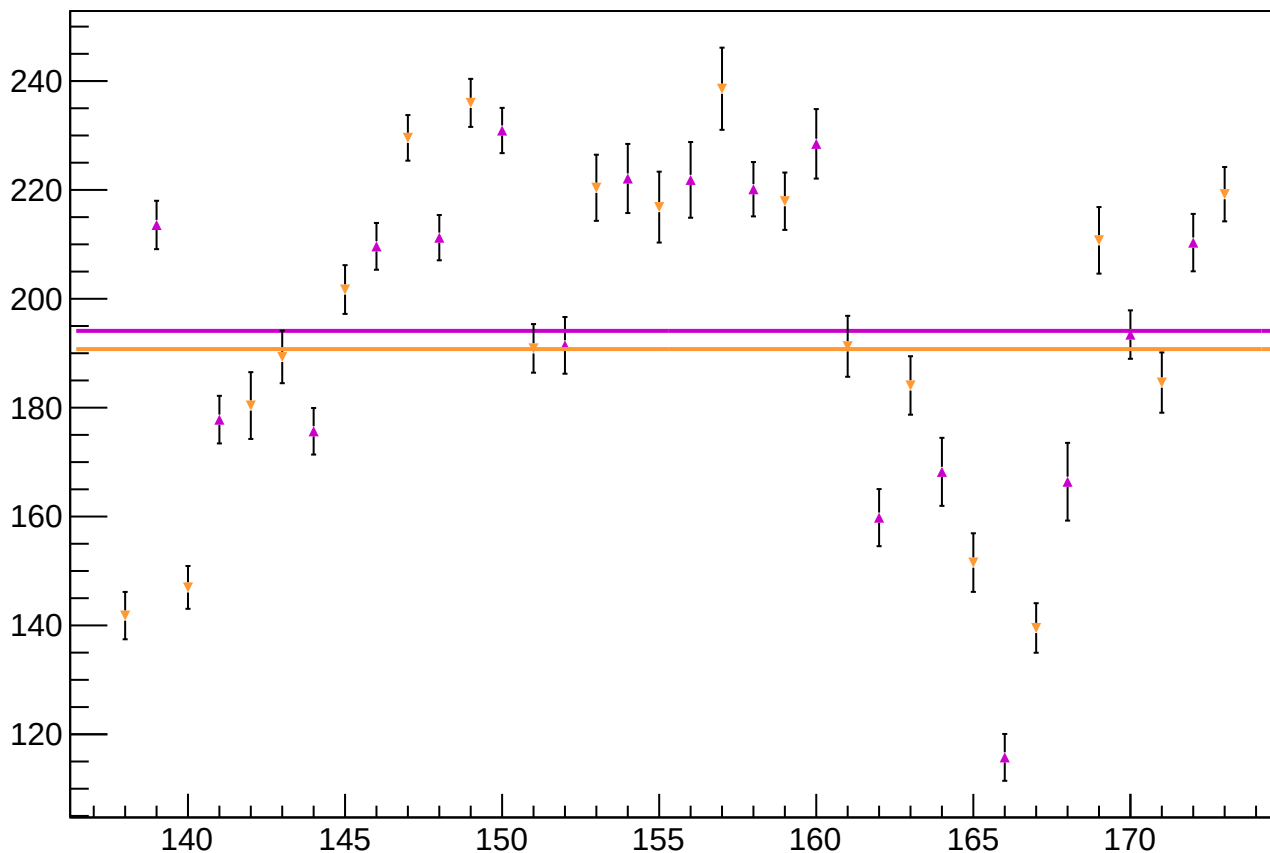
Right: -121.332+/-0.061 χ^2/NDF : 342408.2/35

In: -137.968+/-0.045 χ^2/NDF : 231278.6/33

Out: -136.108+/-0.043 χ^2/NDF : 317358.4/37

All: -137.008+/-0.031 χ^2/NDF : 549526.4/71

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: 190.763+/-1.156 χ^2/NDF : 782.8/18

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

Left In: 194.108+/-1.198 χ^2/NDF : 668.0/16

Left: 192.375+/-0.832 χ^2/NDF : 1454.8/35

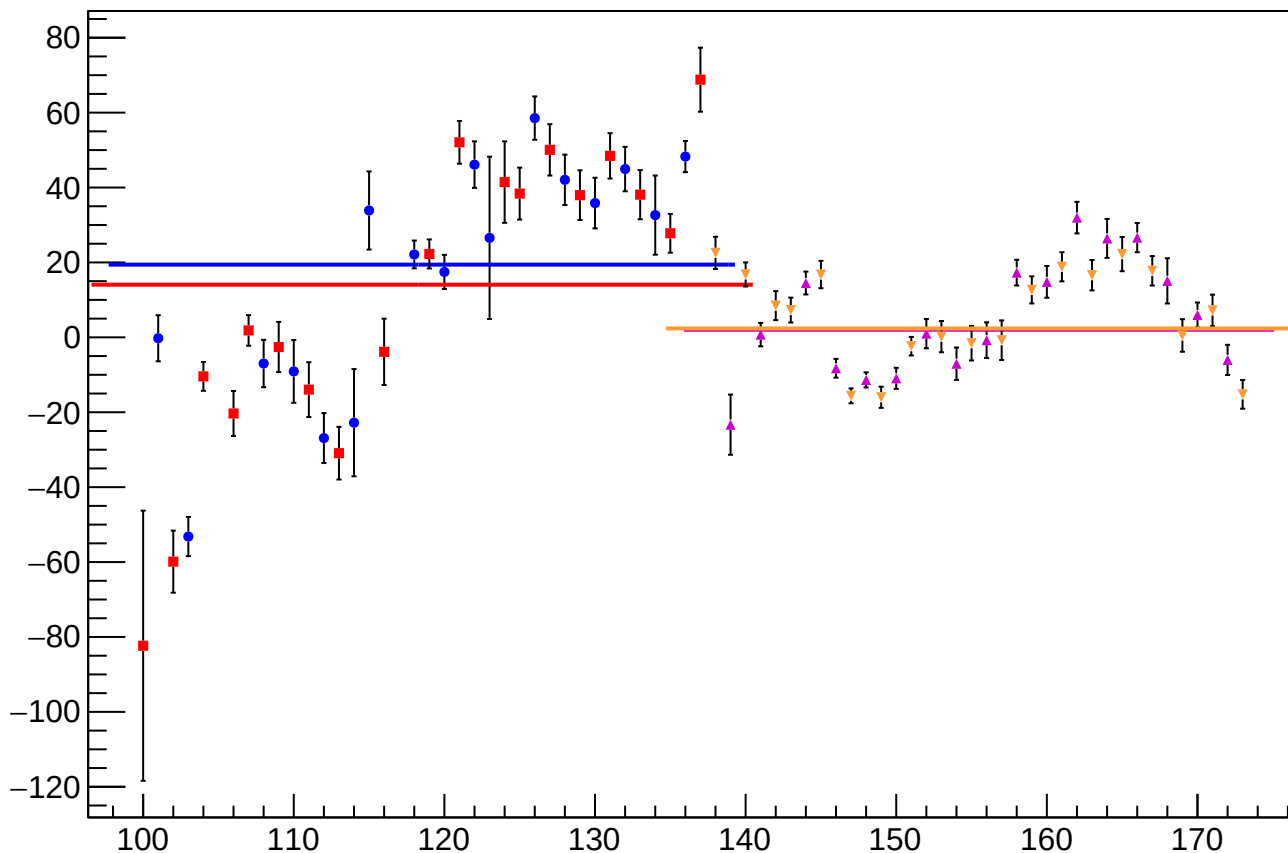
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 194.108+/-1.198 χ^2/NDF : 668.0/16

Out: 190.763+/-1.156 χ^2/NDF : 782.8/18

All: 192.375+/-0.832 χ^2/NDF : 1454.8/35

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: 2.371 ± 0.801 χ^2/NDF : 286.8/18

Right Out: 14.055 ± 1.392 χ^2/NDF : 436.5/18

Left In: 2.021 ± 0.845 χ^2/NDF : 265.3/16

Left: 2.205 ± 0.581 χ^2/NDF : 552.1/35

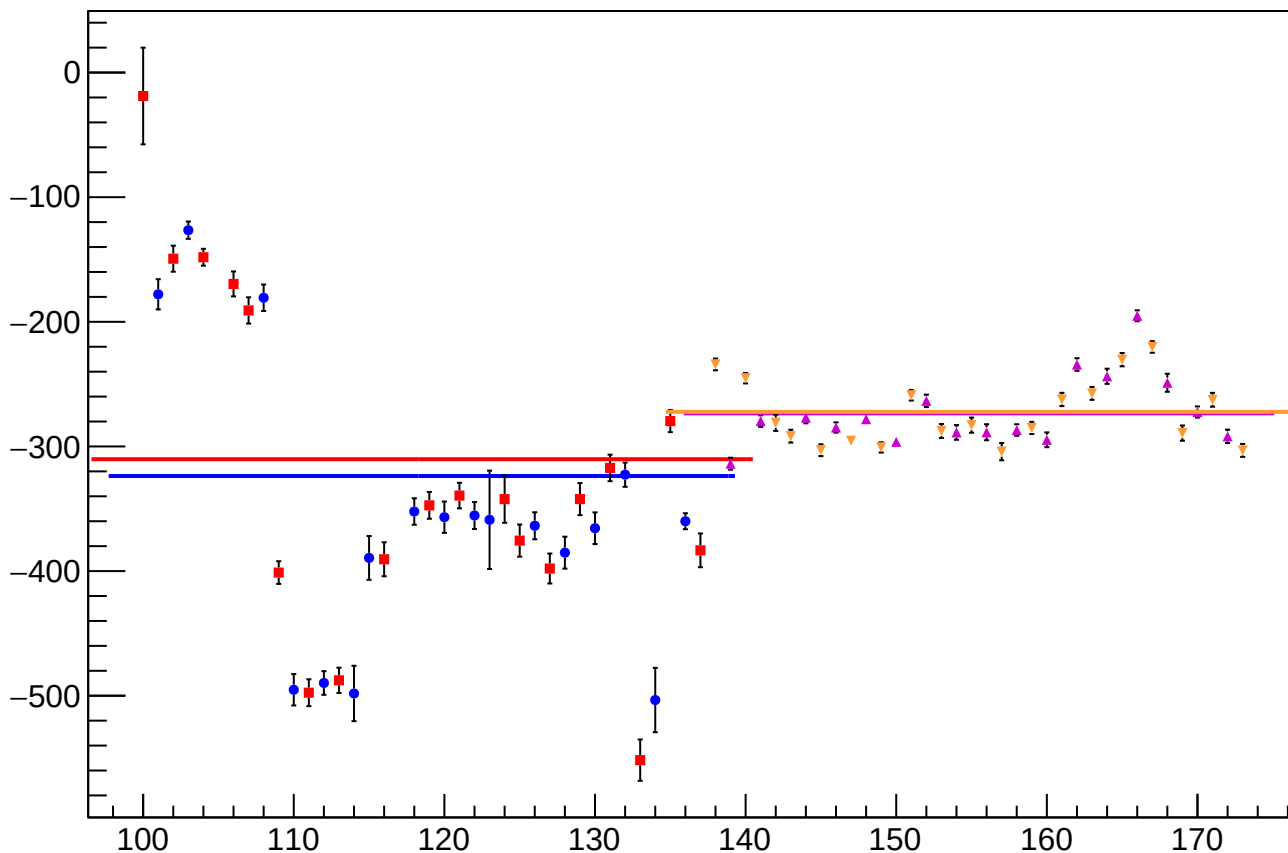
Right: 16.572 ± 1.014 χ^2/NDF : 884.6/35

In: 6.298 ± 0.734 χ^2/NDF : 810.5/33

Out: 5.279 ± 0.694 χ^2/NDF : 776.2/37

All: 5.760 ± 0.504 χ^2/NDF : 1587.8/71

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -323.721 ± 2.668 $\chi^2/\text{NDF}: 1850.8/16$

Left Out: -272.248 ± 1.149 $\chi^2/\text{NDF}: 540.4/18$

Right Out: -310.223 ± 2.523 $\chi^2/\text{NDF}: 2300.0/18$

Left In: -273.461 ± 1.179 $\chi^2/\text{NDF}: 581.1/16$

Left: -272.839 ± 0.823 $\chi^2/\text{NDF}: 1122.0/35$

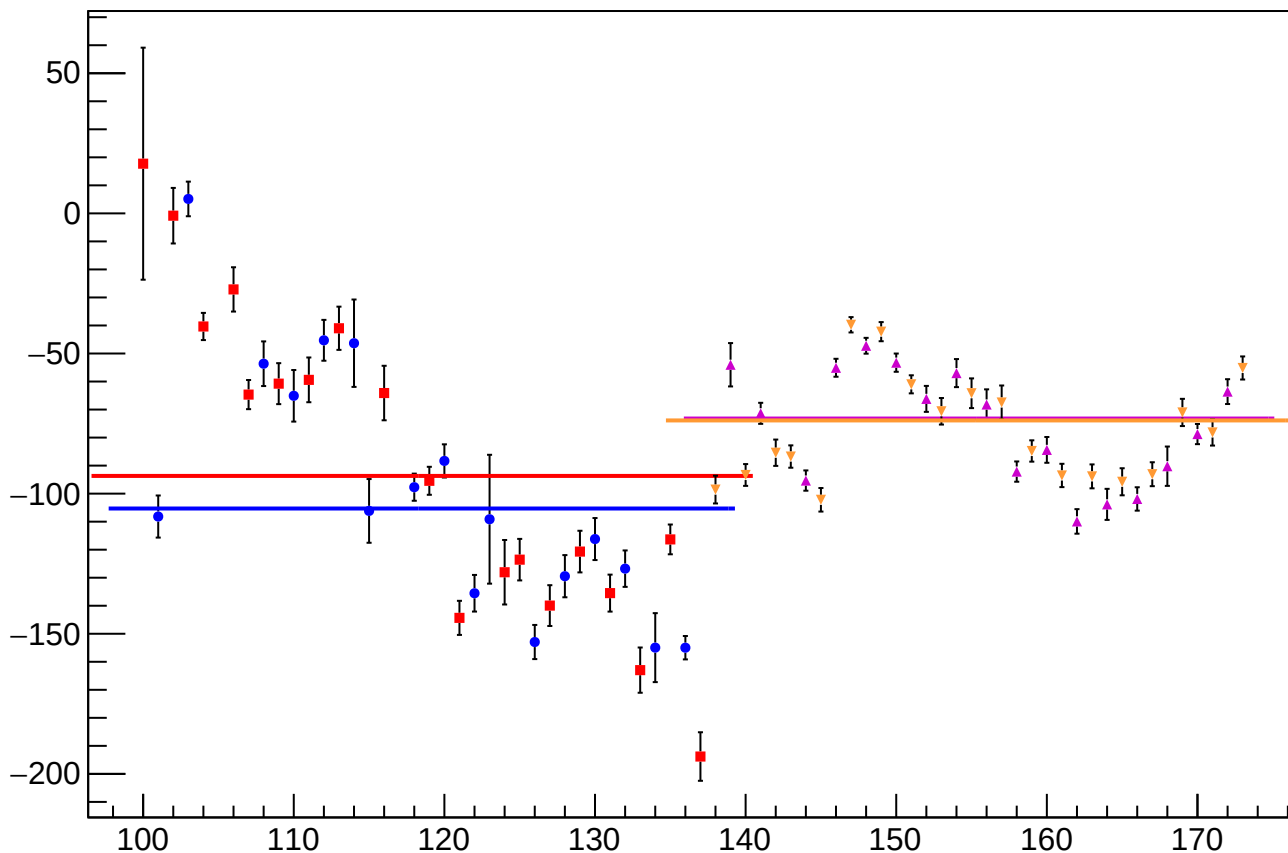
Right: -316.595 ± 1.833 $\chi^2/\text{NDF}: 4164.2/35$

In: -281.674 ± 1.079 $\chi^2/\text{NDF}: 2728.7/33$

Out: -278.774 ± 1.046 $\chi^2/\text{NDF}: 3028.0/37$

All: -280.179 ± 0.751 $\chi^2/\text{NDF}: 5760.4/71$

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -105.309 ± 1.693 χ^2/NDF : 737.5/16

Left Out: -73.880 ± 0.944 χ^2/NDF : 489.1/18

Right Out: -93.680 ± 1.612 χ^2/NDF : 826.5/18

Left In: -73.204 ± 0.992 χ^2/NDF : 406.0/16

Left: -73.559 ± 0.684 χ^2/NDF : 895.4/35

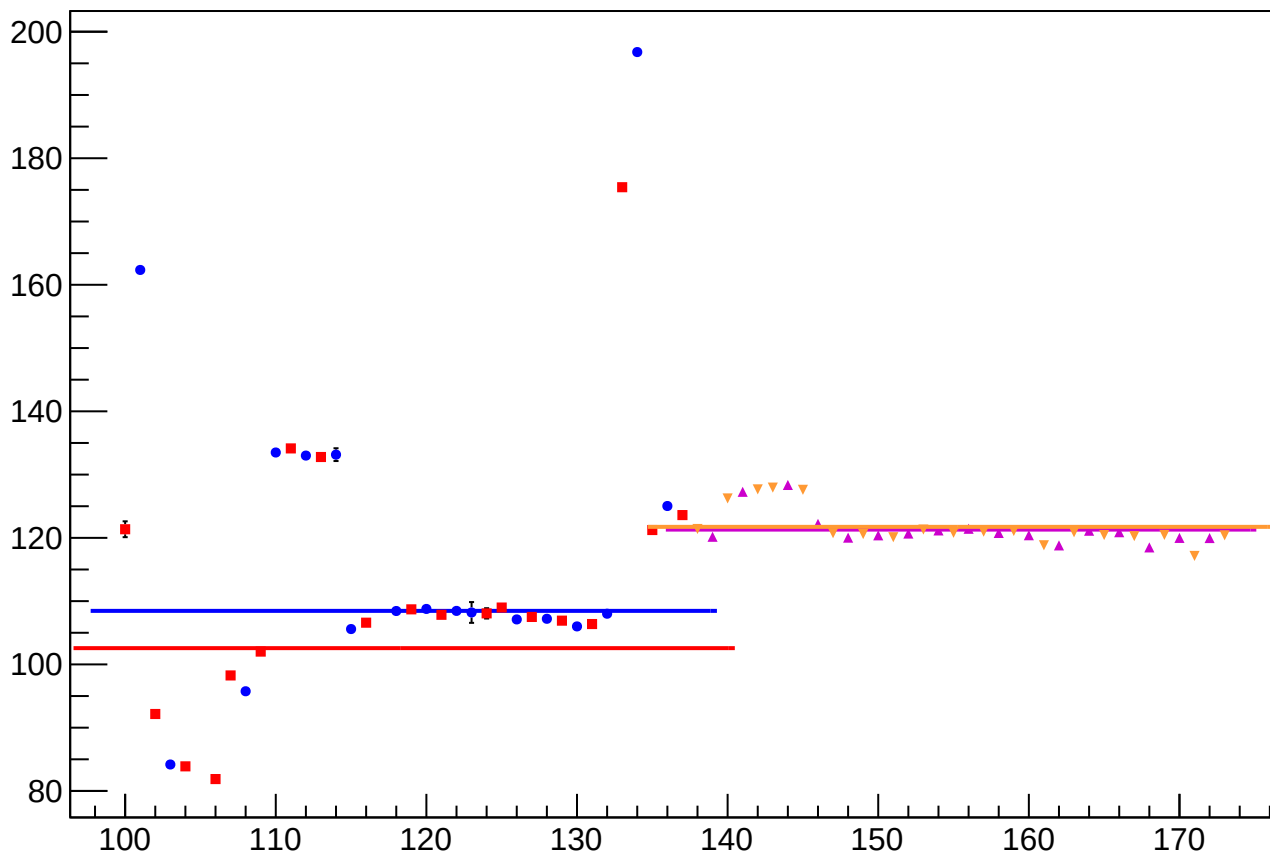
Right: -99.207 ± 1.167 χ^2/NDF : 1588.8/35

In: -81.406 ± 0.856 χ^2/NDF : 1411.1/33

Out: -78.942 ± 0.815 χ^2/NDF : 1428.0/37

All: -80.113 ± 0.590 χ^2/NDF : 2843.5/71

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: 121.741 $\pm$ 0.045 χ^2 /NDF: 4139.3/18

Right Out: 102.570 $\pm$ 0.079 χ^2 /NDF: 53143.8/18

Left In: 121.306 $\pm$ 0.047 χ^2 /NDF: 2830.5/16

Left: 121.529 $\pm$ 0.033 χ^2 /NDF: 7014.3/35

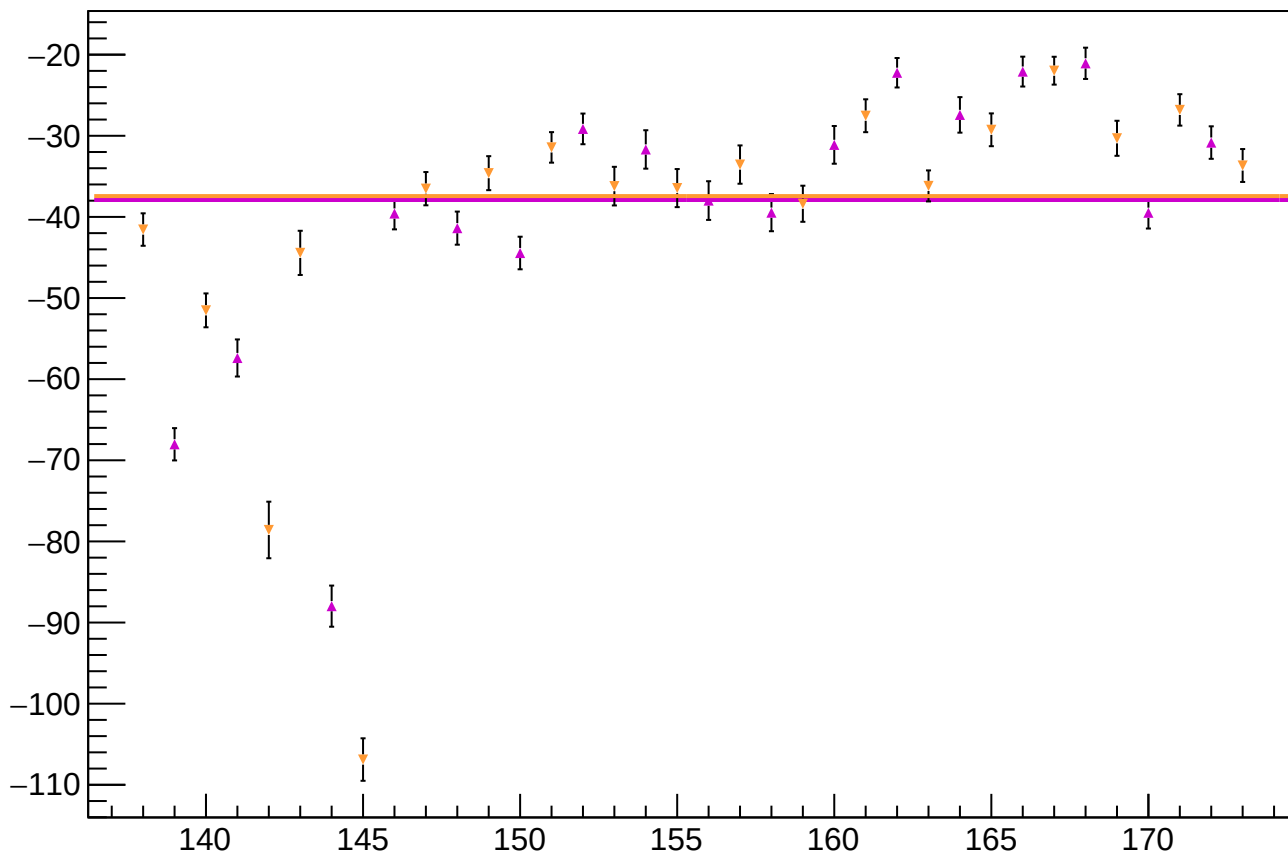
Right: 105.327 $\pm$ 0.058 χ^2 /NDF: 129018.0/35

In: 118.325 $\pm$ 0.041 χ^2 /NDF: 93787.2/33

Out: 117.008 $\pm$ 0.039 χ^2 /NDF: 101120.9/37

All: 117.644 $\pm$ 0.028 χ^2 /NDF: 195446.0/71

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: -37.433+/-0.491 χ^2/NDF :1080.6/18

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

Left In: -37.915+/-0.503 χ^2/NDF :1003.8/16

Left: -37.668+/-0.351 χ^2/NDF : 2084.8/35

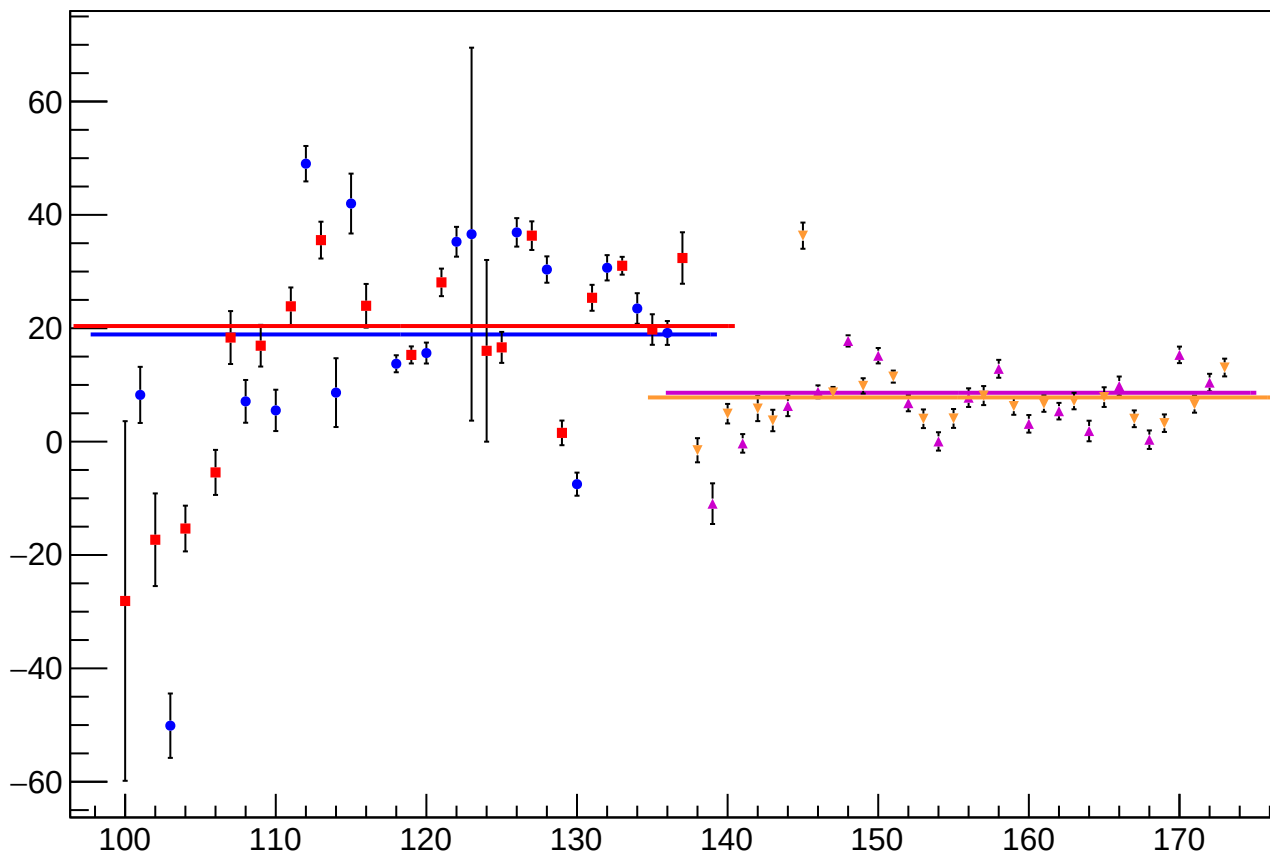
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -37.915+/-0.503 χ^2/NDF :1003.8/16

Out: -37.433+/-0.491 χ^2/NDF :1080.6/18

All: -37.668+/-0.351 χ^2/NDF : 2084.8/35

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.906 ± 0.644 χ^2/NDF : 618.9/16

Left Out: 7.793 ± 0.348 χ^2/NDF : 233.9/18

Right Out: 20.390 ± 0.644 χ^2/NDF : 365.3/18

Left In: 8.617 ± 0.364 χ^2/NDF : 286.0/16

Left: 8.186 ± 0.252 χ^2/NDF : 522.6/35

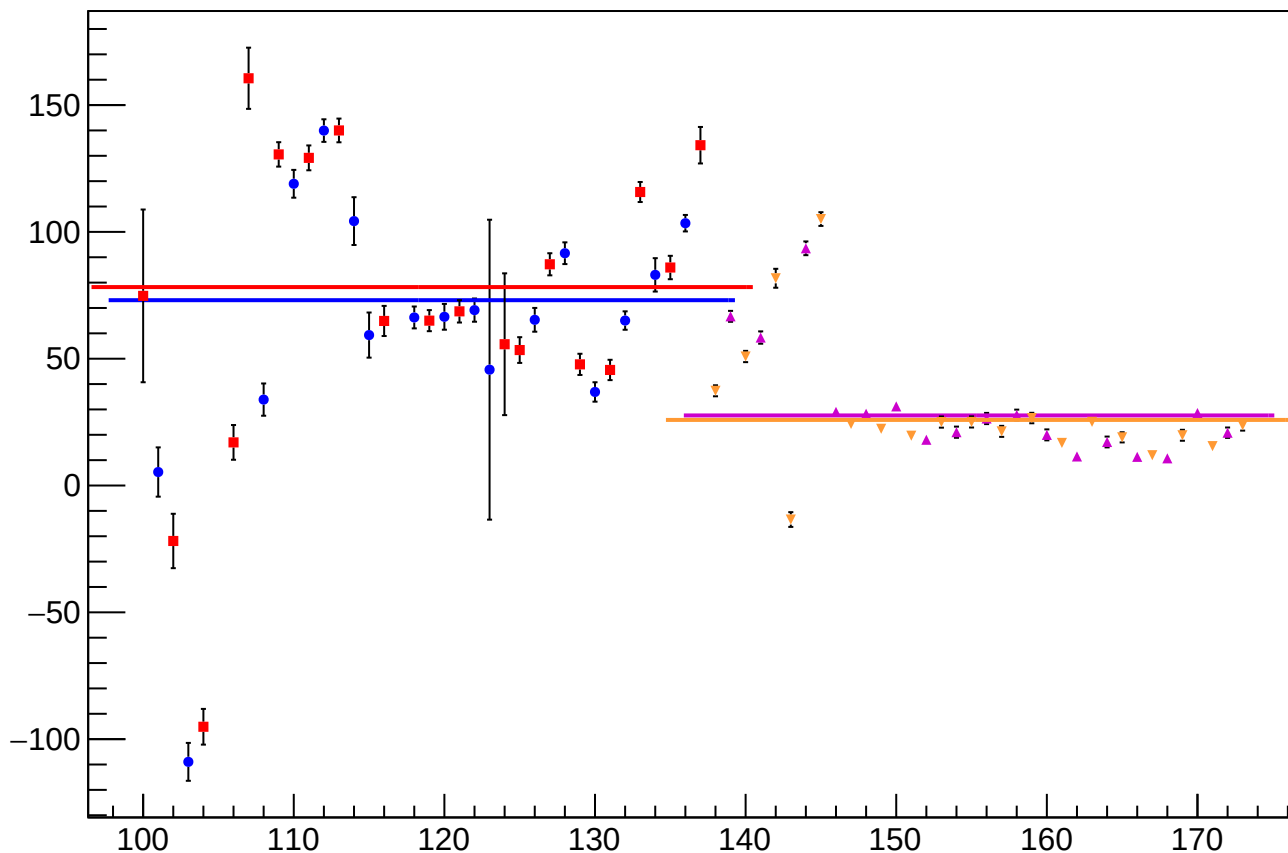
Right: 19.648 ± 0.455 χ^2/NDF : 986.9/35

In: 11.116 ± 0.317 χ^2/NDF : 1098.5/33

Out: 10.643 ± 0.306 χ^2/NDF : 895.4/37

All: 10.871 ± 0.220 χ^2/NDF : 1995.1/71

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: 25.863 $\pm$ 0.484 χ^2 /NDF:1572.9/18

Right Out: 78.241 $\pm$ 1.223 χ^2 /NDF: 1542.7/18

Left In: 27.631 $\pm$ 0.493 χ^2 /NDF:1405.2/16

Left: 26.730 $\pm$ 0.345 χ^2 /NDF: 2984.6/35

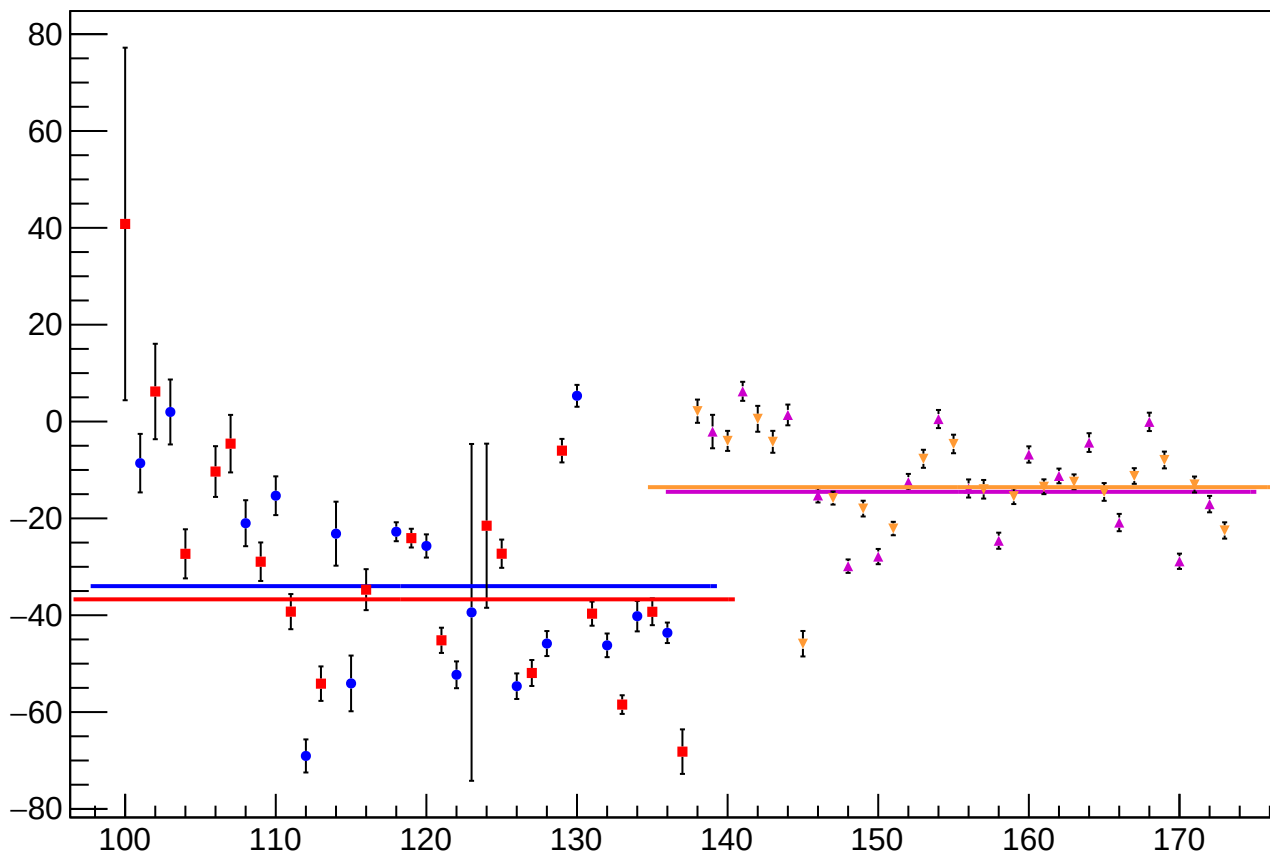
Right: 75.667 $\pm$ 0.866 χ^2 /NDF: 2751.5/35

In: 33.943 $\pm$ 0.458 χ^2 /NDF:3784.5/33

Out: 32.951 $\pm$ 0.450 χ^2 /NDF:4702.6/37

All: 33.439 $\pm$ 0.321 χ^2 /NDF: 8489.6/71

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: -13.552 ± 0.403 χ^2/NDF : 382.9/18

Right Out: -36.719 ± 0.737 χ^2/NDF : 542.9/18

Left In: -14.517 ± 0.422 χ^2/NDF : 685.3/16

Left: -14.013 ± 0.291 χ^2/NDF : 1071.0/35

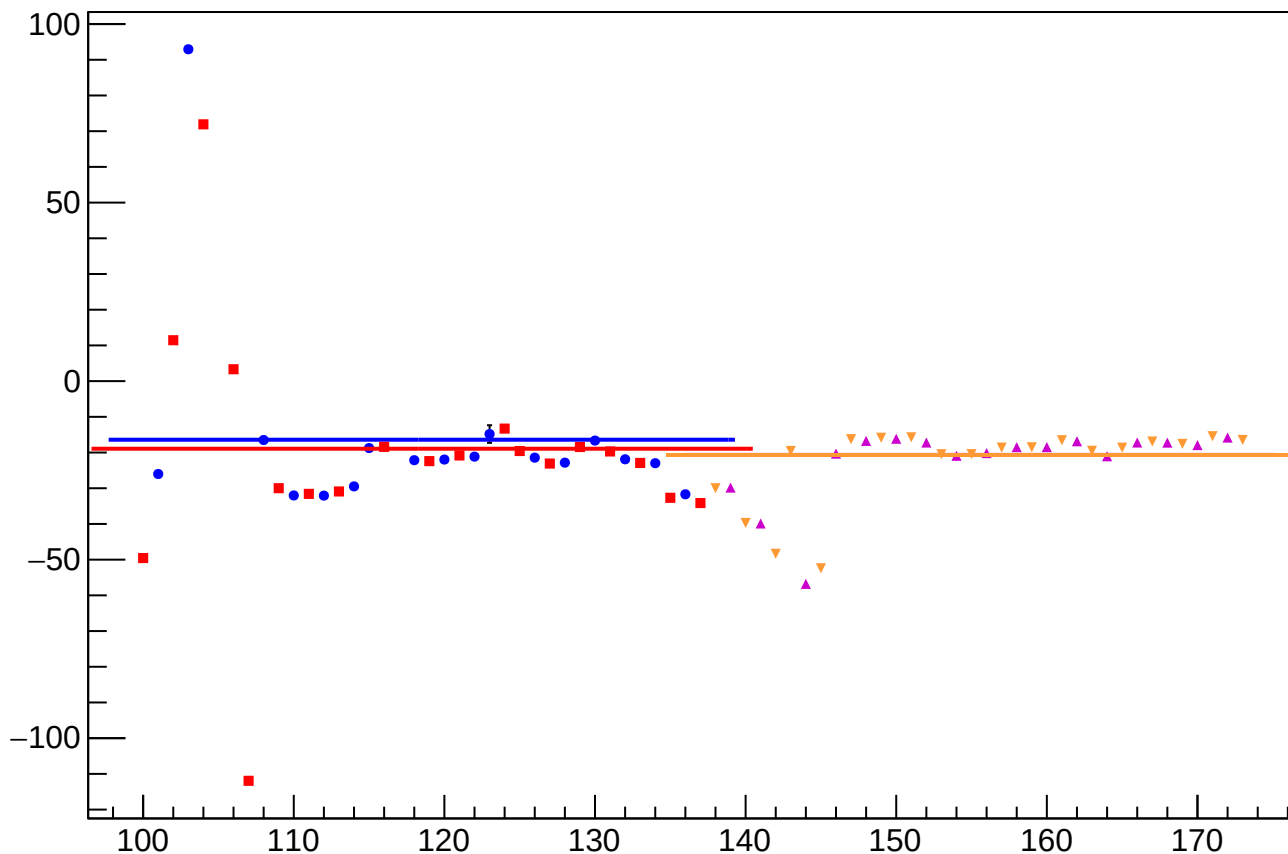
Right: -35.354 ± 0.521 χ^2/NDF : 1269.6/35

In: -19.326 ± 0.366 χ^2/NDF : 1932.0/33

Out: -18.892 ± 0.354 χ^2/NDF : 1686.6/37

All: -19.102 ± 0.254 χ^2/NDF : 3619.3/71

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: -20.686 ± 0.019 $\chi^2/\text{NDF}: 201462.8/18$

Right Out: -18.934 ± 0.045 $\chi^2/\text{NDF}: 434152.2/18$

Left In: -20.666 ± 0.019 $\chi^2/\text{NDF}: 167550.1/16$

Left: -20.676 ± 0.013 $\chi^2/\text{NDF}: 369013.5/35$

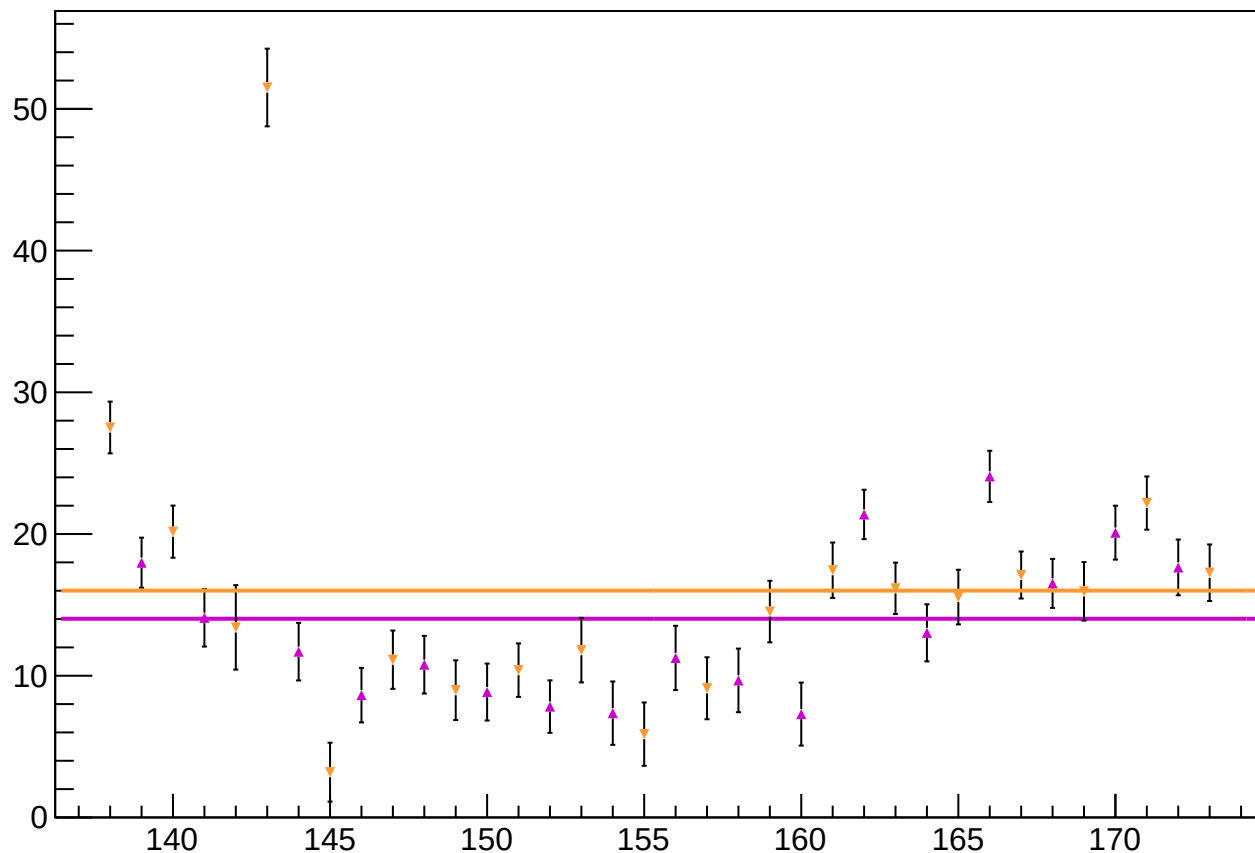
Right: -17.648 ± 0.032 $\chi^2/\text{NDF}: 910108.0/35$

In: -19.996 ± 0.018 $\chi^2/\text{NDF}: 649660.7/33$

Out: -20.429 ± 0.017 $\chi^2/\text{NDF}: 636894.8/37$

All: -20.216 ± 0.012 $\chi^2/\text{NDF}: 1286862.3/71$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: 16.008 ± 0.466 χ^2/NDF : 323.5/18

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: 14.023 ± 0.477 χ^2/NDF : 122.5/16

Left: 15.037 ± 0.333 χ^2/NDF : 454.8/35

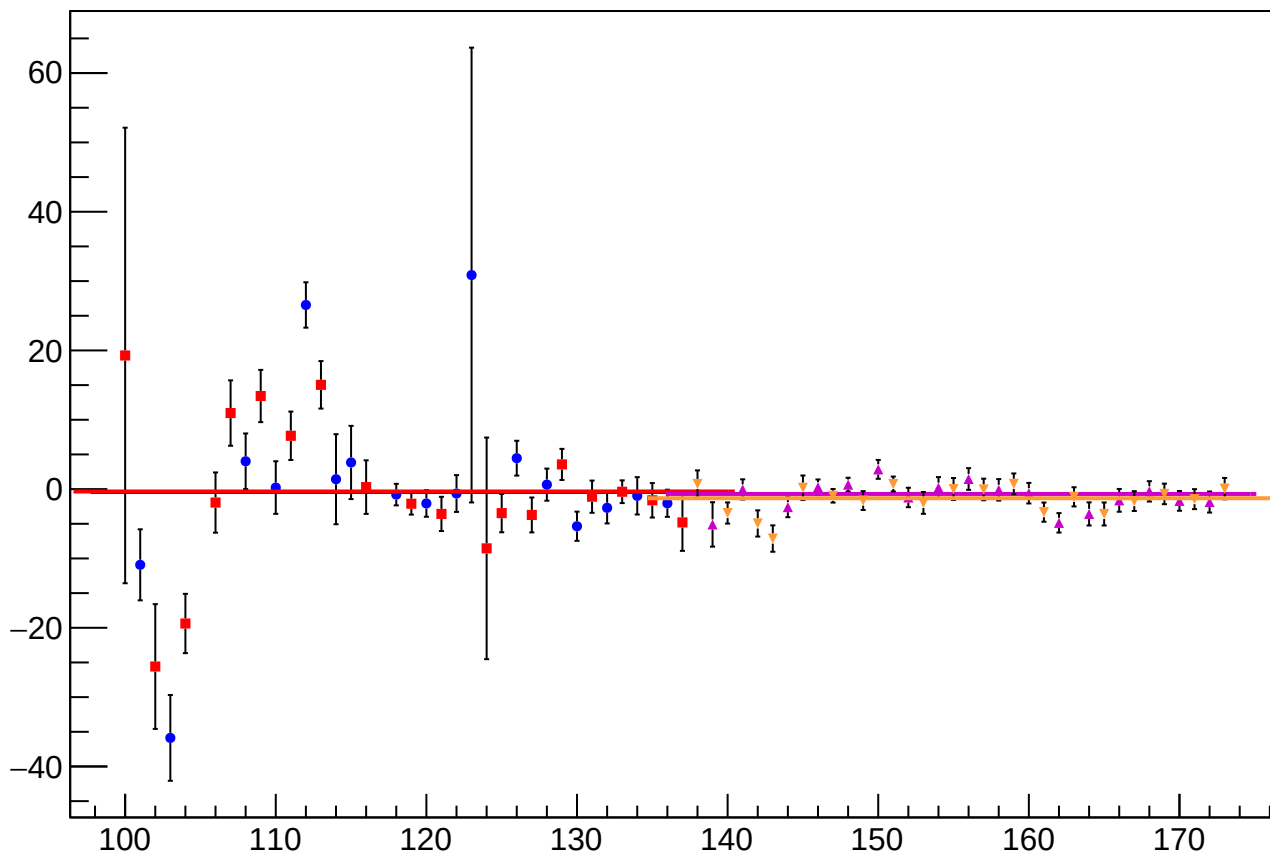
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: 14.023 ± 0.477 χ^2/NDF : 122.5/16

Out: 16.008 ± 0.466 χ^2/NDF : 323.5/18

All: 15.037 ± 0.333 χ^2/NDF : 454.8/35

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: -1.318 ± 0.334 χ^2/NDF : 29.2/18

Right Out: -0.342 ± 0.658 χ^2/NDF : 83.7/18

Left In: -0.697 ± 0.349 χ^2/NDF : 28.9/16

Left: -1.020 ± 0.241 χ^2/NDF : 59.8/35

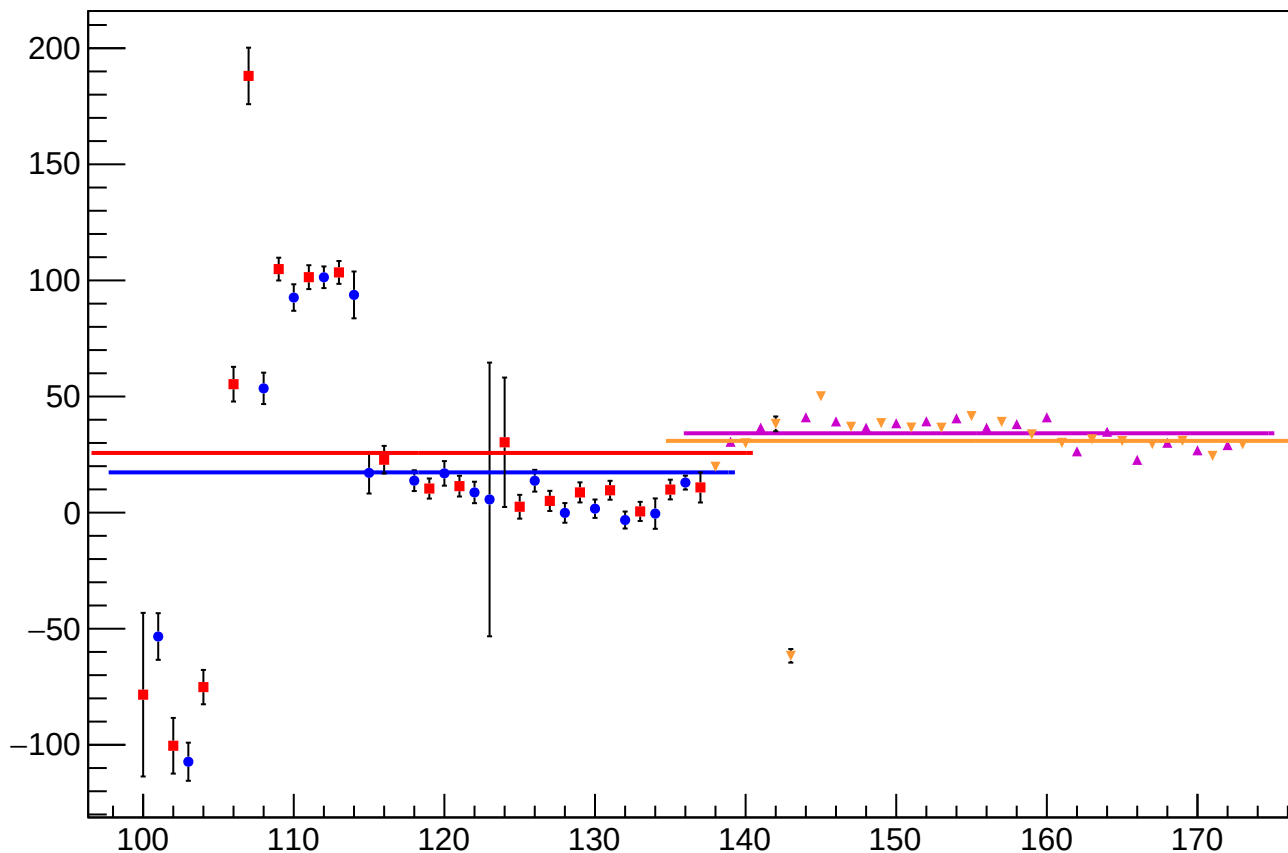
Right: -0.378 ± 0.463 χ^2/NDF : 203.7/35

In: -0.634 ± 0.308 χ^2/NDF : 149.0/33

Out: -1.117 ± 0.298 χ^2/NDF : 114.7/37

All: -0.883 ± 0.214 χ^2/NDF : 265.0/71

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.328 ± 1.239 $\chi^2/\text{NDF}: 943.2/16$

Left Out: 30.893 ± 0.461 $\chi^2/\text{NDF}: 1215.8/18$

Right Out: 25.701 ± 1.243 $\chi^2/\text{NDF}: 1379.1/18$

Left In: 34.170 ± 0.469 $\chi^2/\text{NDF}: 150.6/16$

Left: 32.506 ± 0.329 $\chi^2/\text{NDF}: 1391.2/35$

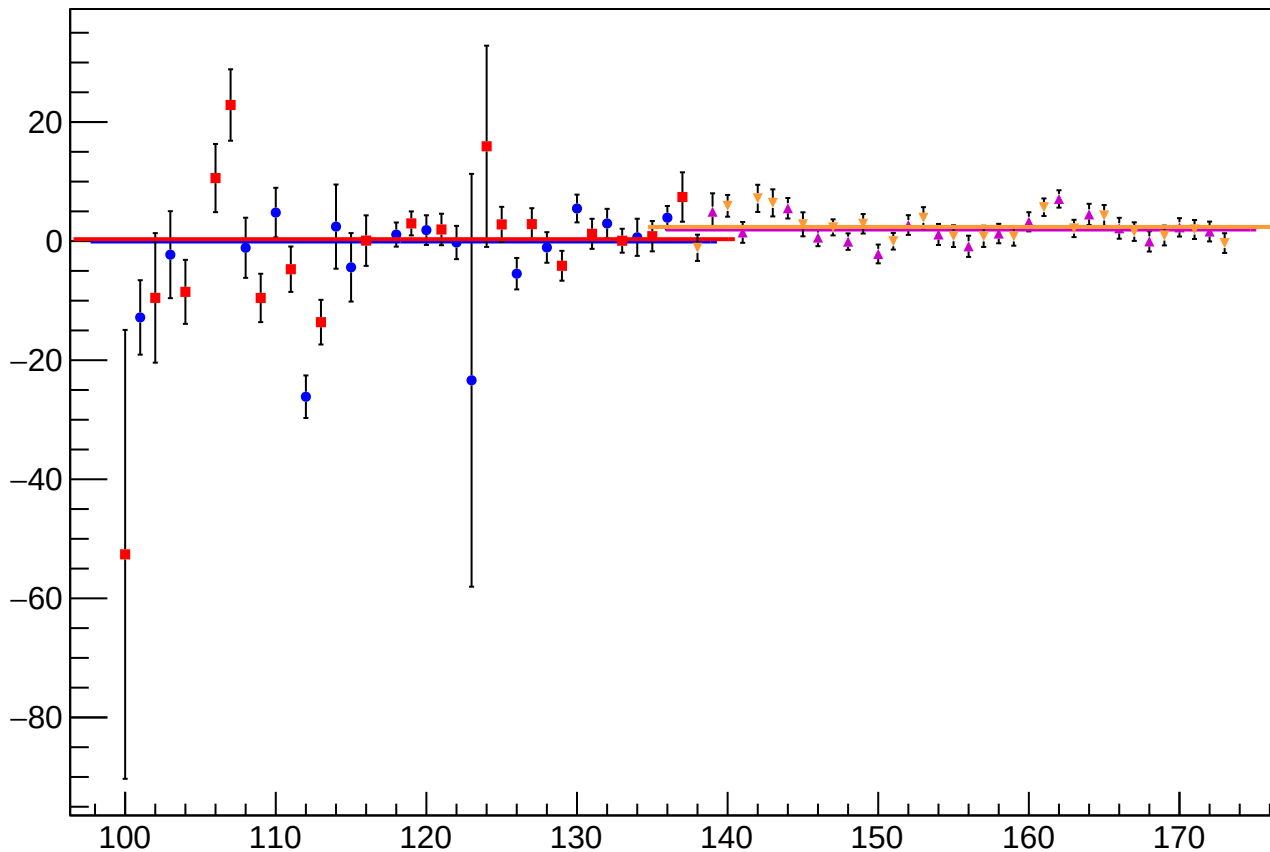
Right: 21.501 ± 0.877 $\chi^2/\text{NDF}: 2345.0/35$

In: 32.062 ± 0.438 $\chi^2/\text{NDF}: 1255.5/33$

Out: 30.265 ± 0.432 $\chi^2/\text{NDF}: 2610.2/37$

All: 31.151 ± 0.308 $\chi^2/\text{NDF}: 3874.2/71$

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: 2.383 ± 0.386 χ^2/NDF : 30.3/18

Right Out: 0.326 ± 0.749 χ^2/NDF : 55.1/18

Left In: 1.951 ± 0.403 χ^2/NDF : 34.8/16

Left: 2.176 ± 0.279 χ^2/NDF : 65.7/35

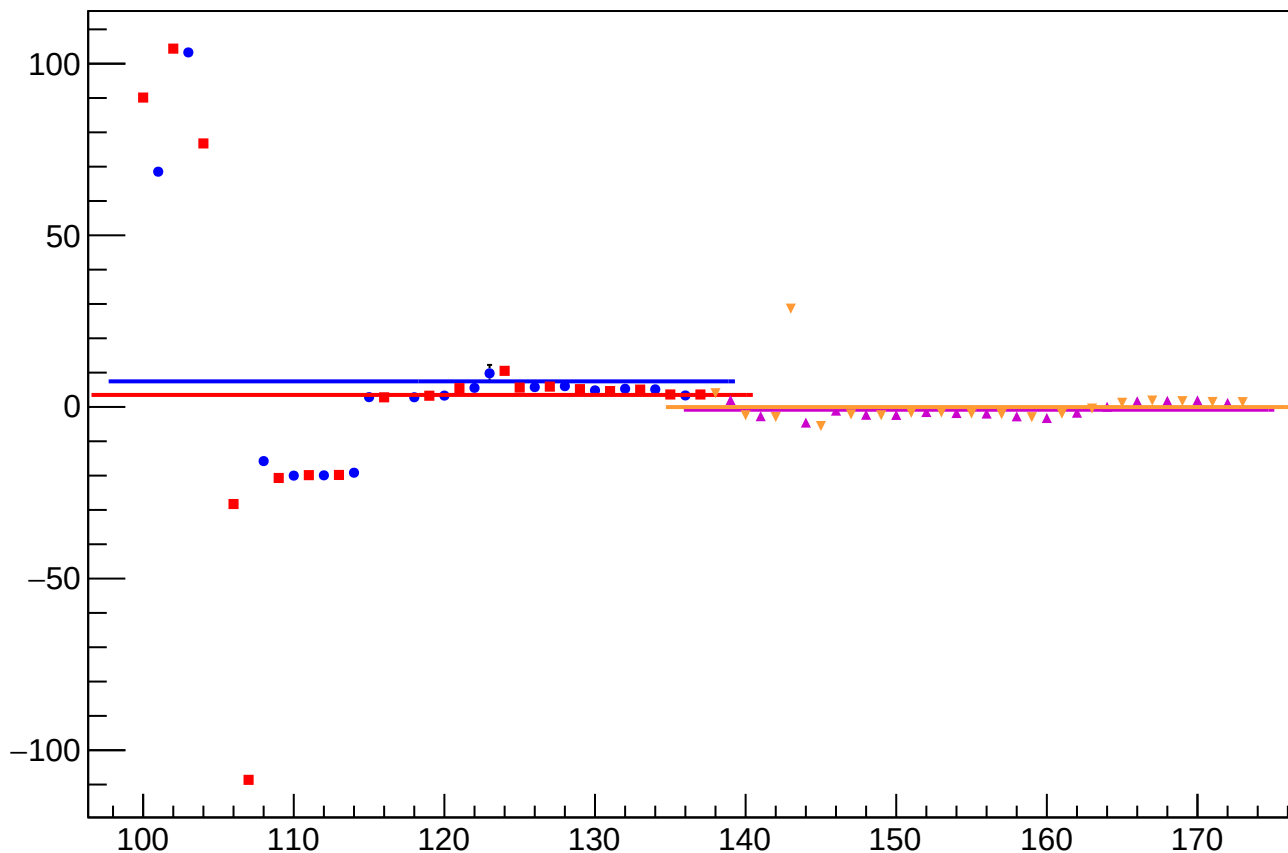
Right: 0.132 ± 0.528 χ^2/NDF : 131.8/35

In: 1.496 ± 0.354 χ^2/NDF : 117.0/33

Out: 1.951 ± 0.343 χ^2/NDF : 91.3/37

All: 1.730 ± 0.247 χ^2/NDF : 209.2/71

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 7.454+/-0.044 χ^2/NDF : 356053.3/16

Left Out: -0.039+/-0.018 χ^2/NDF : 76865.4/18

Right Out: 3.502+/-0.046 χ^2/NDF : 510579.7/18

Left In: -0.810+/-0.018 χ^2/NDF : 11679.7/16

Left: -0.417+/-0.013 χ^2/NDF : 89458.6/35

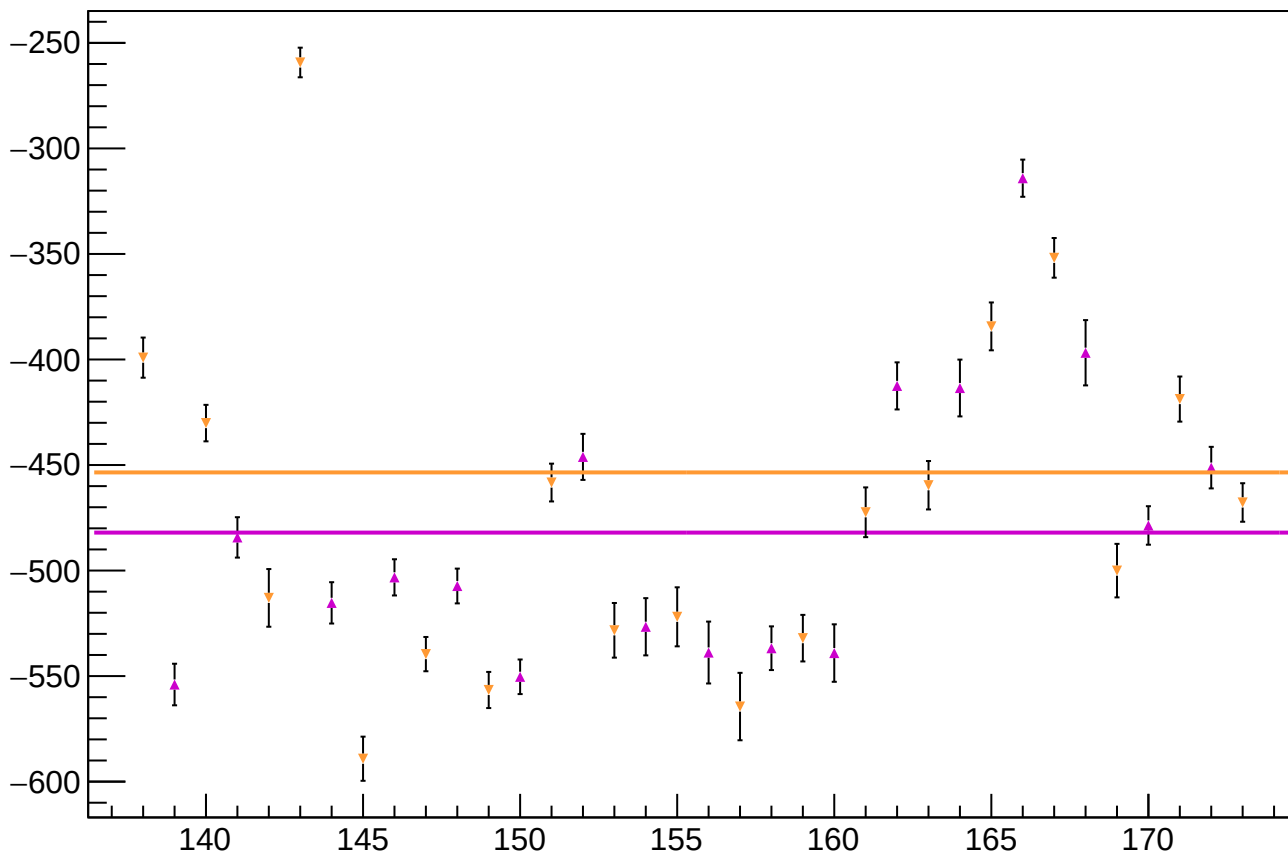
Right: 5.528+/-0.032 χ^2/NDF : 870492.1/35

In: 0.379+/-0.017 χ^2/NDF : 397365.2/33

Out: 0.433+/-0.017 χ^2/NDF : 592684.7/37

All: 0.406+/-0.012 χ^2/NDF : 990055.1/71

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: -453.502+/-2.327 χ^2/NDF :1590.5/18

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

Left In: -482.020+/-2.492 χ^2/NDF :700.9/16

Left: -466.790+/-1.701 χ^2/NDF : 2361.3/35

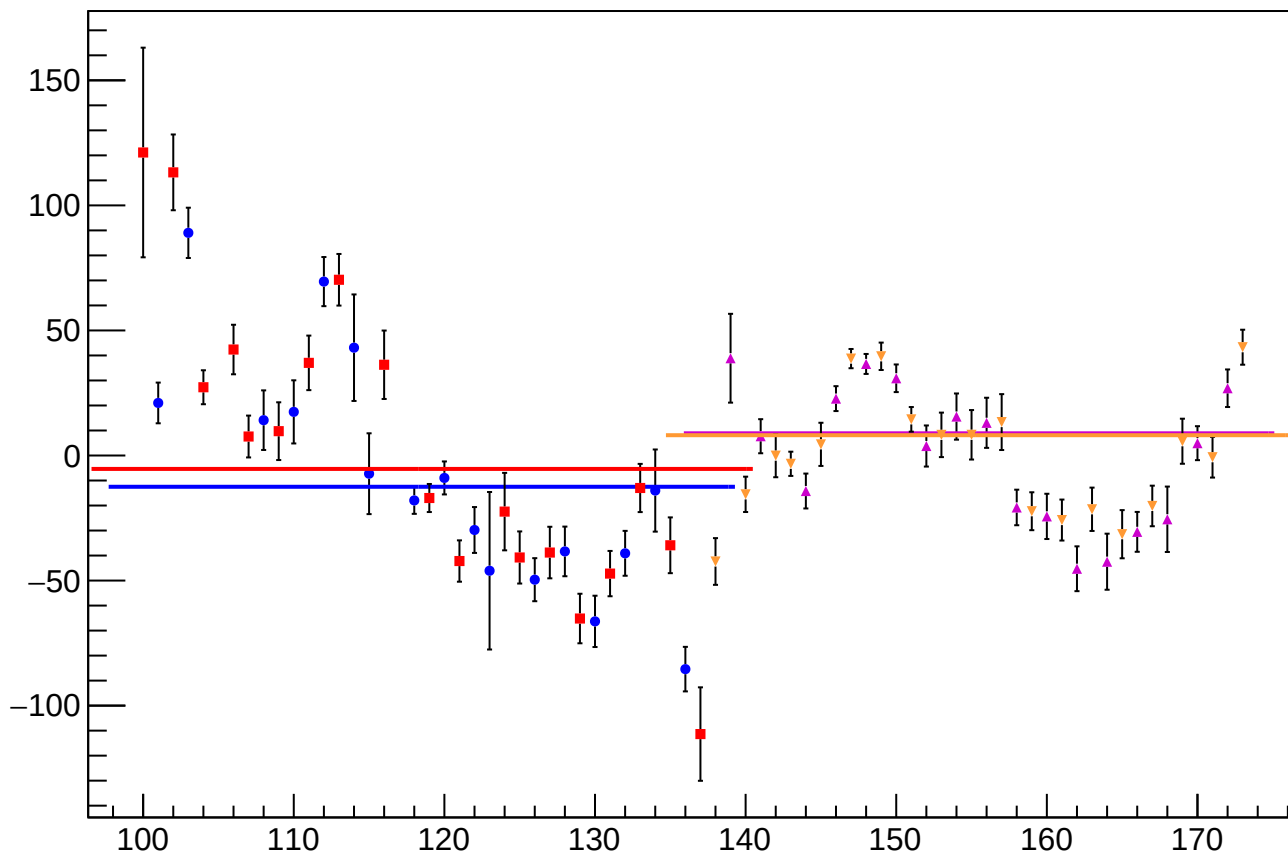
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -482.020+/-2.492 χ^2/NDF :700.9/16

Out: -453.502+/-2.327 χ^2/NDF :1590.5/18

All: -466.790+/-1.701 χ^2/NDF : 2361.3/35

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: 8.118 ± 1.594 χ^2/NDF : 246.1/18

Right Out: -5.363 ± 2.264 χ^2/NDF : 344.6/18

Left In: 8.877 ± 1.738 χ^2/NDF : 212.7/16

Left: 8.465 ± 1.175 χ^2/NDF : 458.8/35

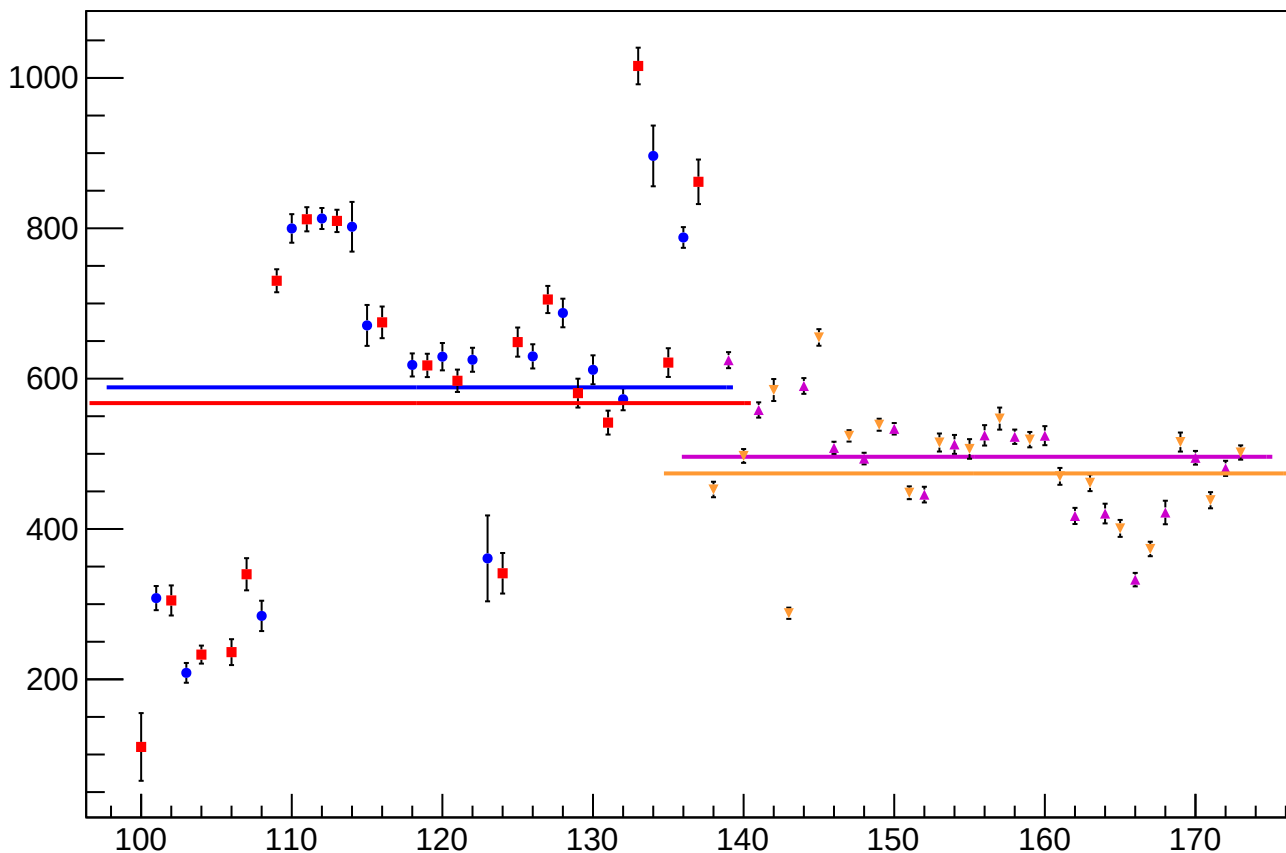
Right: -8.858 ± 1.617 χ^2/NDF : 690.5/35

In: 1.156 ± 1.389 χ^2/NDF : 608.4/33

Out: 3.650 ± 1.303 χ^2/NDF : 614.3/37

All: 2.482 ± 0.950 χ^2/NDF : 1224.5/71

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 588.421 $\pm$ 4.320 χ^2 /NDF: 2130.2/16

Left Out: 473.918 $\pm$ 2.316 χ^2 /NDF:1317.1/18

Right Out: 567.451 $\pm$ 4.137 χ^2 /NDF: 2784.8/18

Left In: 496.060 $\pm$ 2.446 χ^2 /NDF:775.2/16

Left: 484.387 $\pm$ 1.682 χ^2 /NDF: 2135.5/35

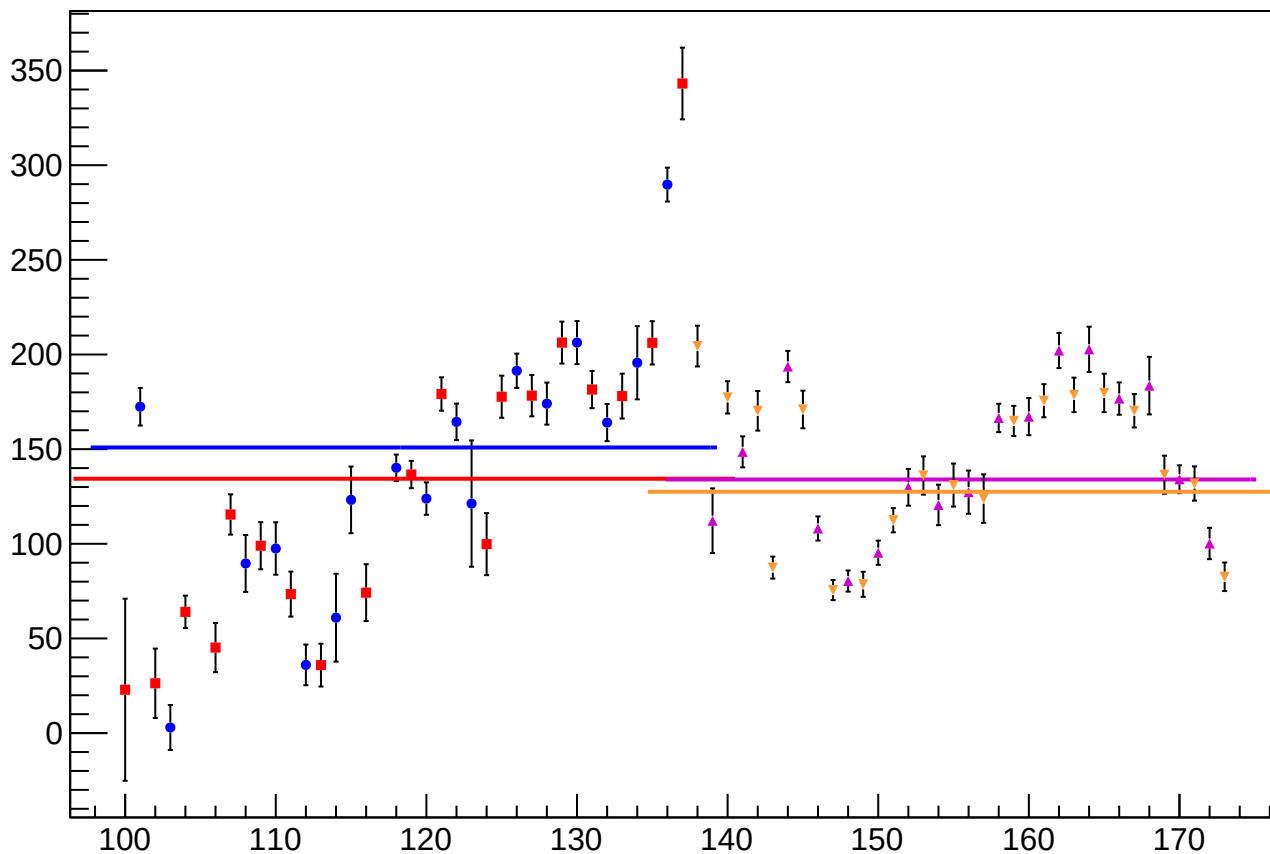
Right: 577.481 $\pm$ 2.988 χ^2 /NDF: 4927.3/35

In: 518.474 $\pm$ 2.128 χ^2 /NDF:3251.5/33

Out: 496.240 $\pm$ 2.021 χ^2 /NDF:4491.2/37

All: 506.782 $\pm$ 1.466 χ^2 /NDF: 7800.0/71

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: 127.486 $\pm$ 1.887 χ^2 /NDF:496.0/18

Right Out: 134.381 $\pm$ 2.620 χ^2 /NDF: 584.9/18

Left In: 133.979 $\pm$ 2.047 χ^2 /NDF:373.6/16

Left: 130.470 $\pm$ 1.387 χ^2 /NDF: 875.0/35

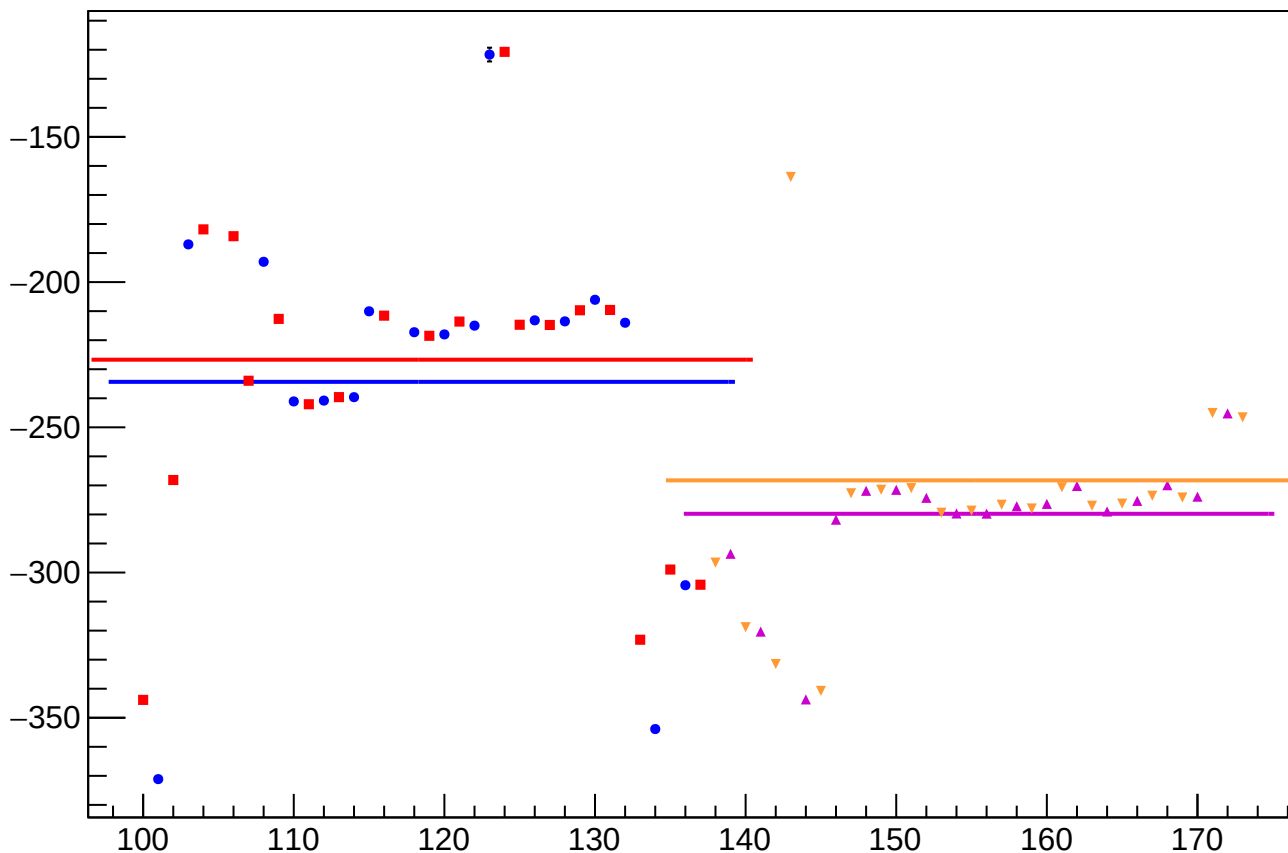
Right: 142.467 $\pm$ 1.871 χ^2 /NDF: 1239.2/35

In: 140.226 $\pm$ 1.625 χ^2 /NDF:1033.7/33

Out: 129.842 $\pm$ 1.531 χ^2 /NDF:1085.4/37

All: 134.726 $\pm$ 1.114 χ^2 /NDF: 2140.7/71

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: -268.264+/-0.092 χ^2/NDF :191882.2/18

Right Out: -226.716+/-0.141 χ^2/NDF : 99440.4/18

Left In: -279.771+/-0.097 χ^2/NDF :42554.4/16

Left: -273.722+/-0.067 χ^2/NDF : 241871.6/35

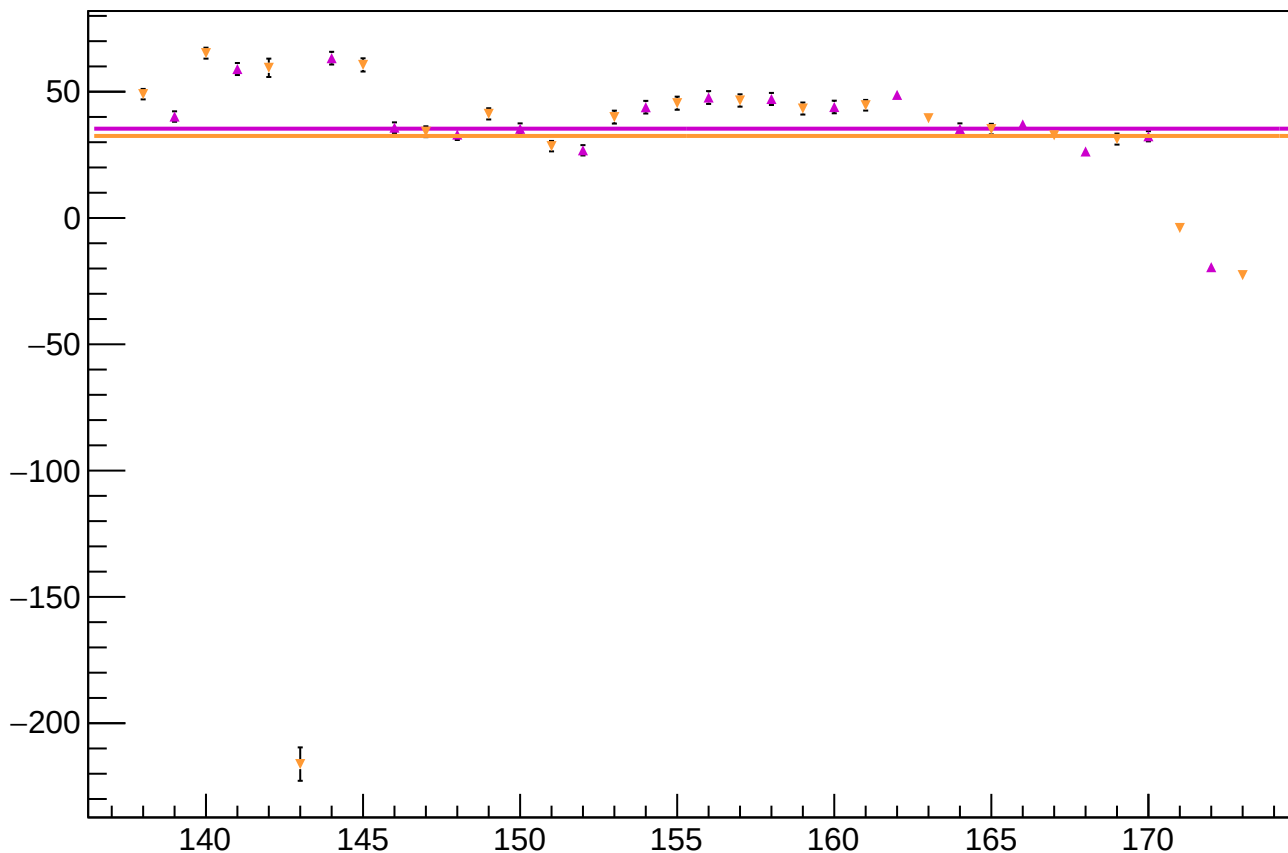
Right: -230.345+/-0.102 χ^2/NDF : 245990.9/35

In: -266.207+/-0.081 χ^2/NDF :253539.5/33

Out: -255.916+/-0.077 χ^2/NDF :352065.4/37

All: -260.802+/-0.056 χ^2/NDF : 614075.6/71

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 32.481 $\pm$ 0.516 χ^2 /NDF:3206.5/18

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

Left In: 35.361 $\pm$ 0.522 χ^2 /NDF:1201.3/16

Left: 33.902 $\pm$ 0.367 χ^2 /NDF: 4423.2/35

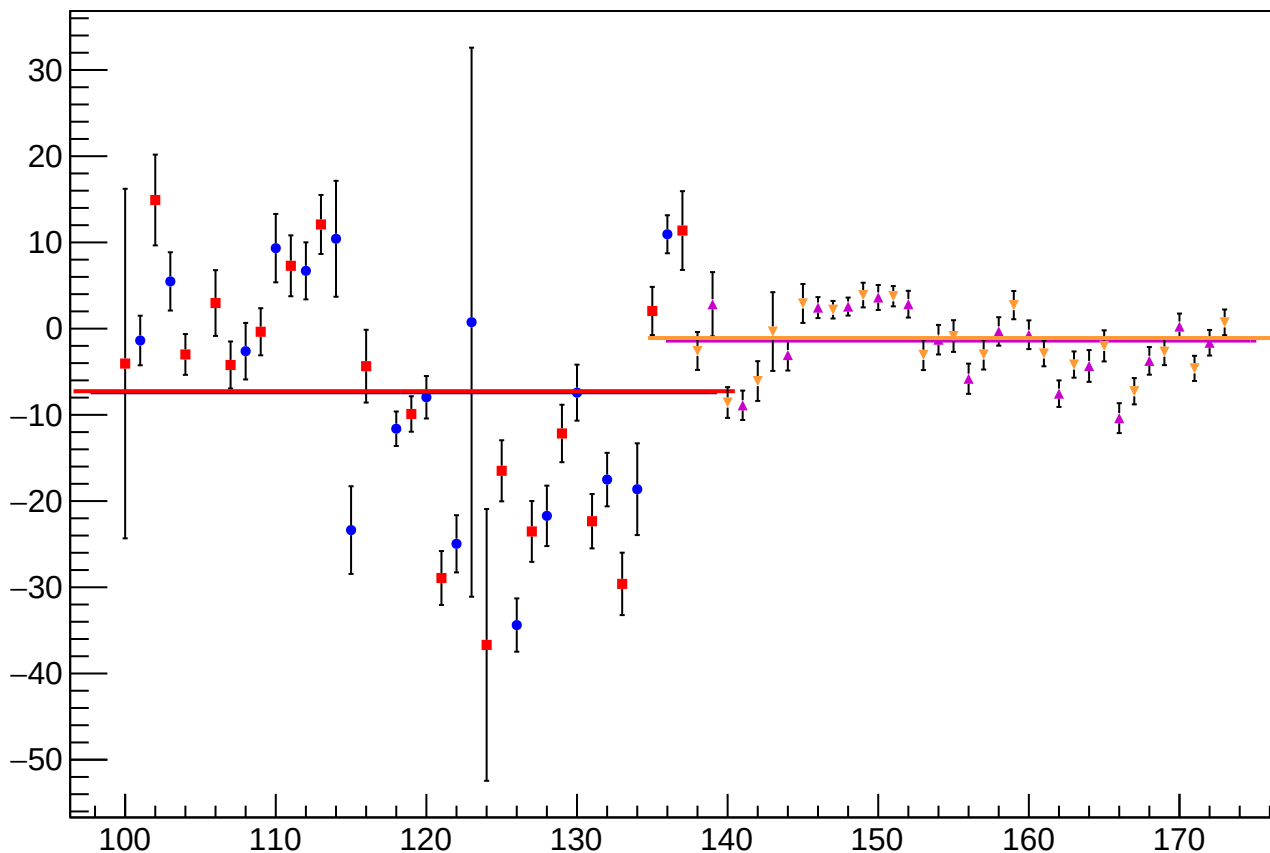
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 35.361 $\pm$ 0.522 χ^2 /NDF:1201.3/16

Out: 32.481 $\pm$ 0.516 χ^2 /NDF:3206.5/18

All: 33.902 $\pm$ 0.367 χ^2 /NDF: 4423.2/35

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: -1.090 ± 0.368 χ^2/NDF : 103.8/18

Right Out: -7.256 ± 0.762 χ^2/NDF : 257.3/18

Left In: -1.384 ± 0.380 χ^2/NDF : 120.7/16

Left: -1.232 ± 0.264 χ^2/NDF : 224.9/35

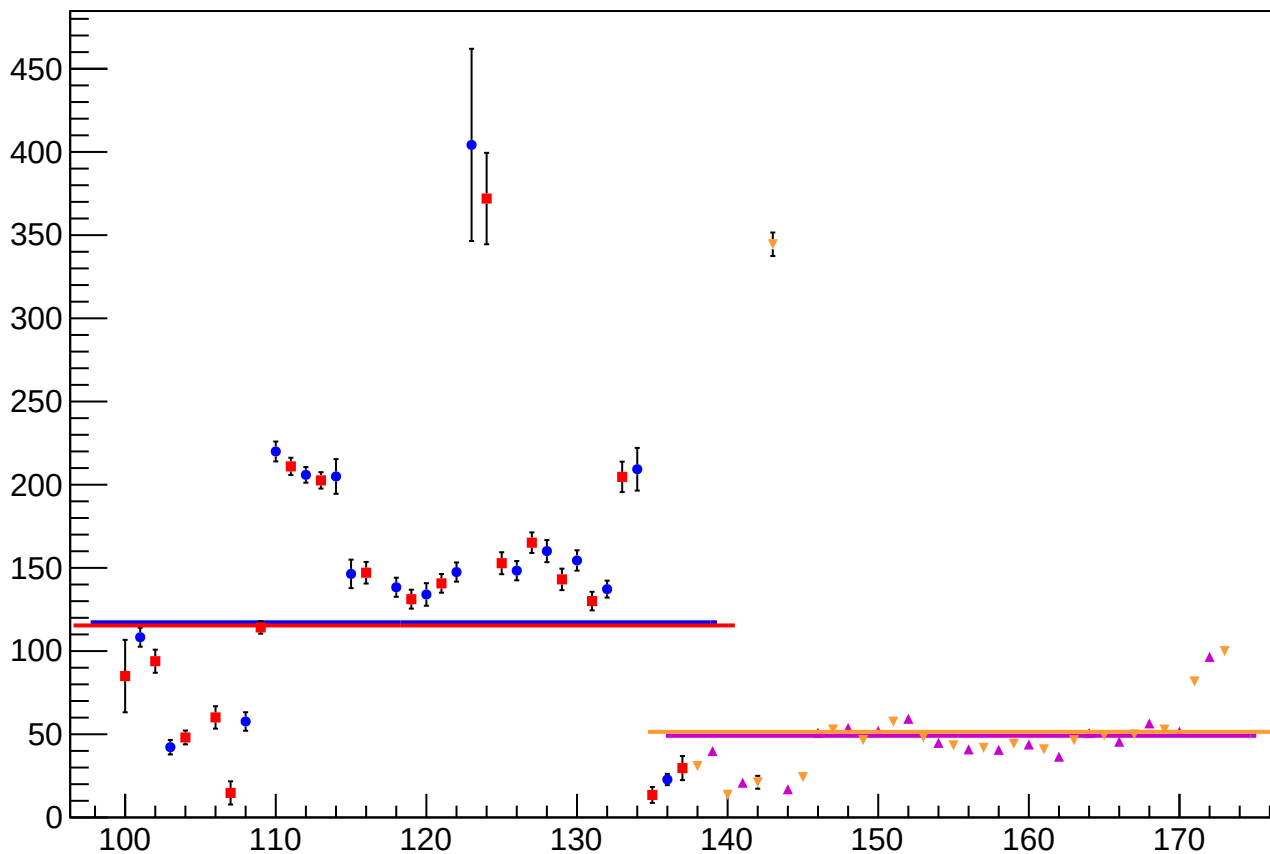
Right: -7.317 ± 0.545 χ^2/NDF : 540.9/35

In: -2.536 ± 0.341 χ^2/NDF : 452.3/33

Out: -2.255 ± 0.331 χ^2/NDF : 414.2/37

All: -2.391 ± 0.238 χ^2/NDF : 866.8/71

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: 51.452 $\pm$ 0.508 χ^2 /NDF:3157.3/18

Right Out: 115.405 $\pm$ 1.361 χ^2 /NDF: 2150.5/18

Left In: 49.089 $\pm$ 0.513 χ^2 /NDF:1001.5/16

Left: 50.280 $\pm$ 0.361 χ^2 /NDF: 4169.4/35

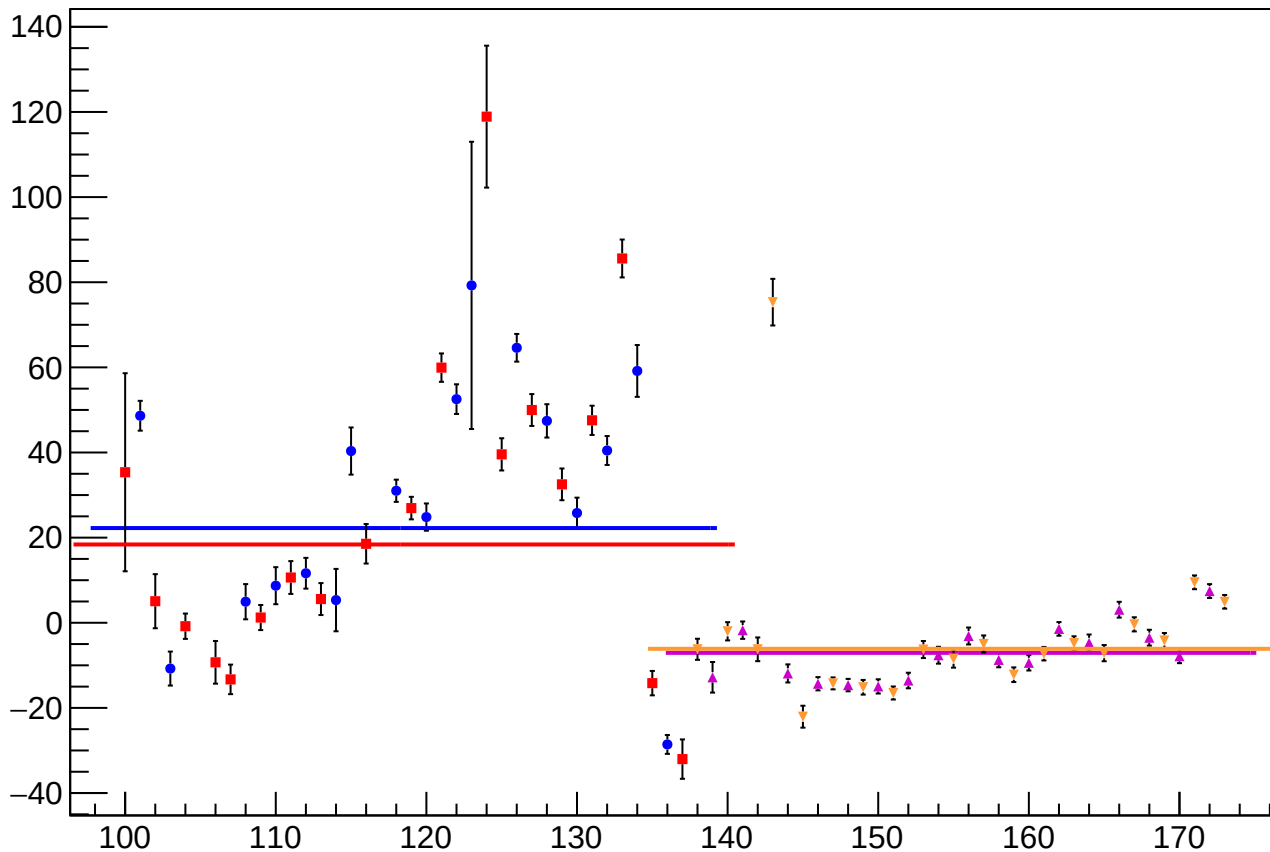
Right: 116.321 $\pm$ 0.979 χ^2 /NDF: 4312.7/35

In: 57.071 $\pm$ 0.482 χ^2 /NDF:5233.5/33

Out: 59.285 $\pm$ 0.476 χ^2 /NDF:7246.5/37

All: 58.191 $\pm$ 0.339 χ^2 /NDF: 12490.7/71

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: -6.113+/-0.425 χ^2 /NDF:539.4/18

Right Out: 18.395+/-0.872 χ^2 /NDF: 1077.1/18

Left In: -7.069+/-0.439 χ^2 /NDF:231.0/16

Left: -6.575+/-0.305 χ^2 /NDF: 772.8/35

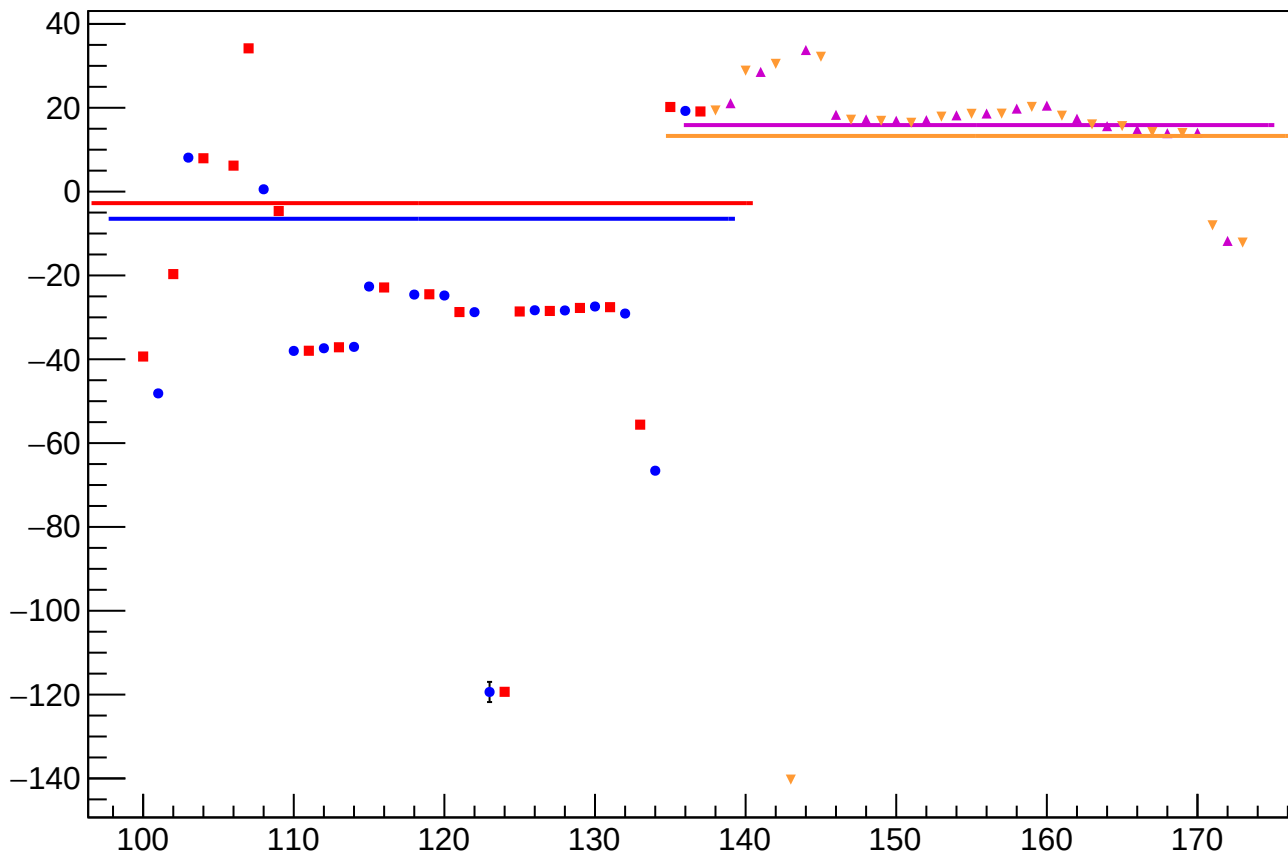
Right: 20.284+/-0.622 χ^2 /NDF: 2158.2/35

In: -1.326+/-0.394 χ^2 /NDF:2176.8/33

Out: -1.411+/-0.382 χ^2 /NDF:2255.1/37

All: -1.370+/-0.274 χ^2 /NDF: 4431.9/71

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.482 ± 0.046 χ^2/NDF : 265804.1/16

Left Out: 13.281 ± 0.020 χ^2/NDF : 617240.8/18

Right Out: -2.751 ± 0.046 χ^2/NDF : 266291.4/18

Left In: 15.871 ± 0.020 χ^2/NDF : 210044.8/16

Left: 14.559 ± 0.014 χ^2/NDF : 835838.5/35

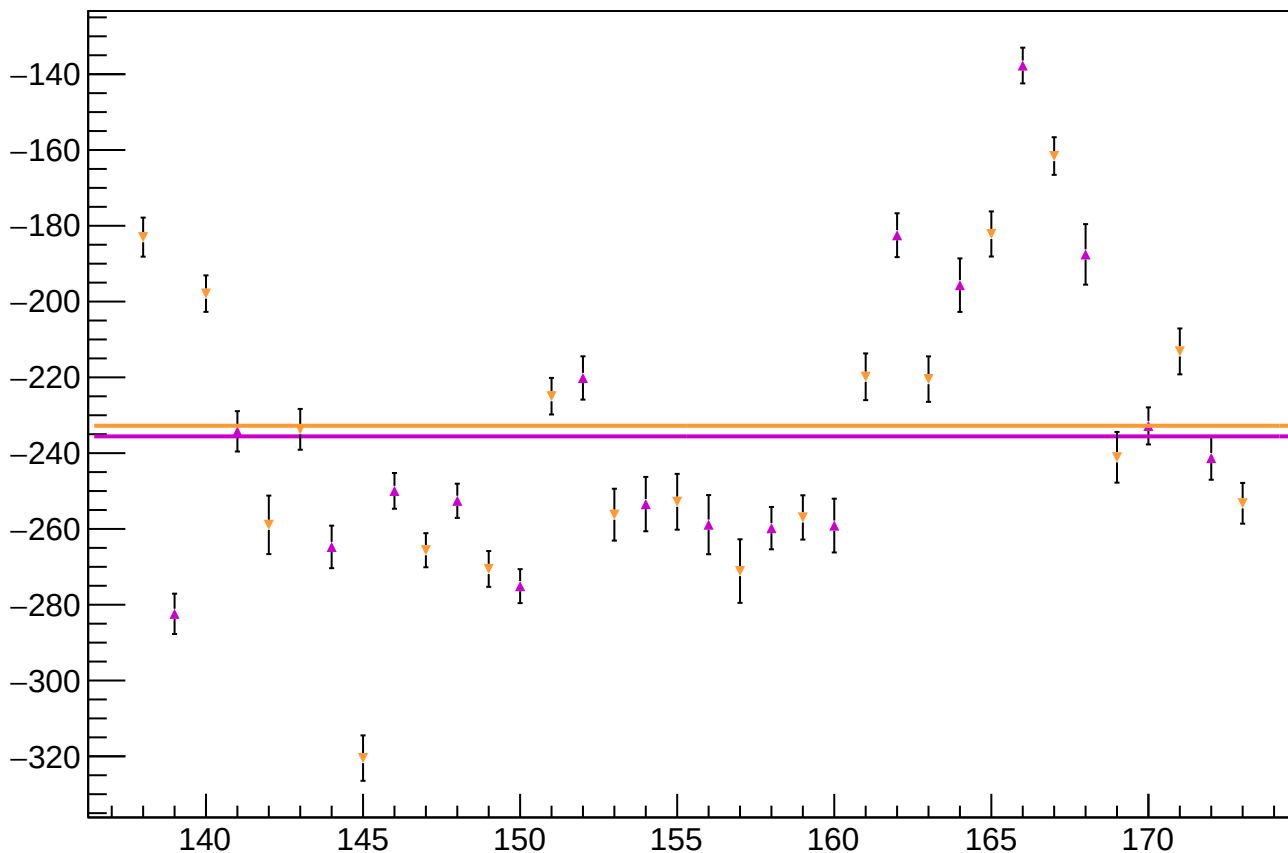
Right: -4.597 ± 0.032 χ^2/NDF : 535394.7/35

In: 12.359 ± 0.018 χ^2/NDF : 673483.1/33

Out: 10.774 ± 0.018 χ^2/NDF : 987457.0/37

All: 11.557 ± 0.013 χ^2/NDF : 1664741.1/71

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: -232.774+/-1.305 χ^2/NDF :861.7/18

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

Left In: -235.572+/-1.352 χ^2/NDF :842.6/16

Left: -234.124+/-0.939 χ^2/NDF : 1706.5/35

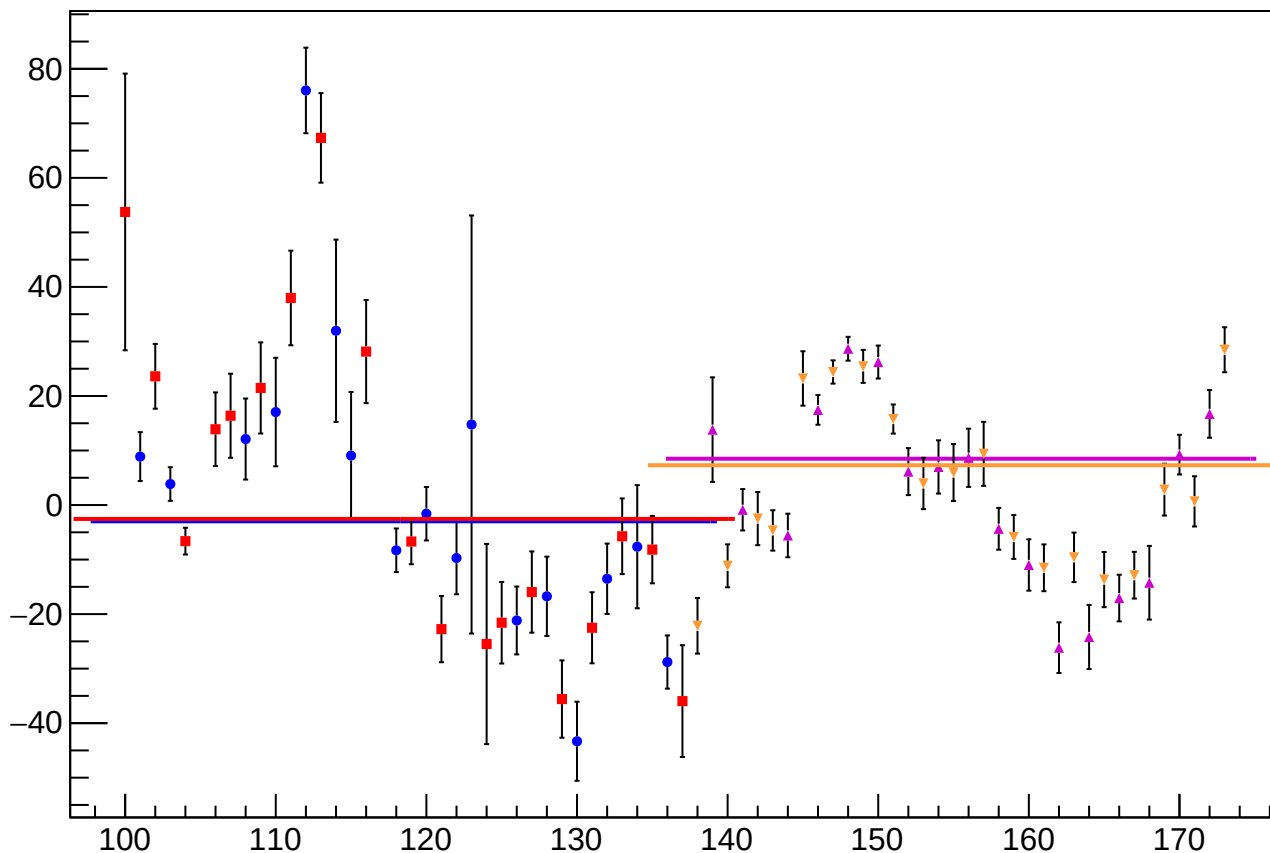
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -235.572+/-1.352 χ^2/NDF :842.6/16

Out: -232.774+/-1.305 χ^2/NDF :861.7/18

All: -234.124+/-0.939 χ^2/NDF : 1706.5/35

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.981 ± 1.450 χ^2/NDF : 203.9/16

Left Out: 7.298 ± 0.895 χ^2/NDF : 303.5/18

Right Out: -2.548 ± 1.399 χ^2/NDF : 218.1/18

Left In: 8.494 ± 0.945 χ^2/NDF : 315.1/16

Left: 7.864 ± 0.650 χ^2/NDF : 619.5/35

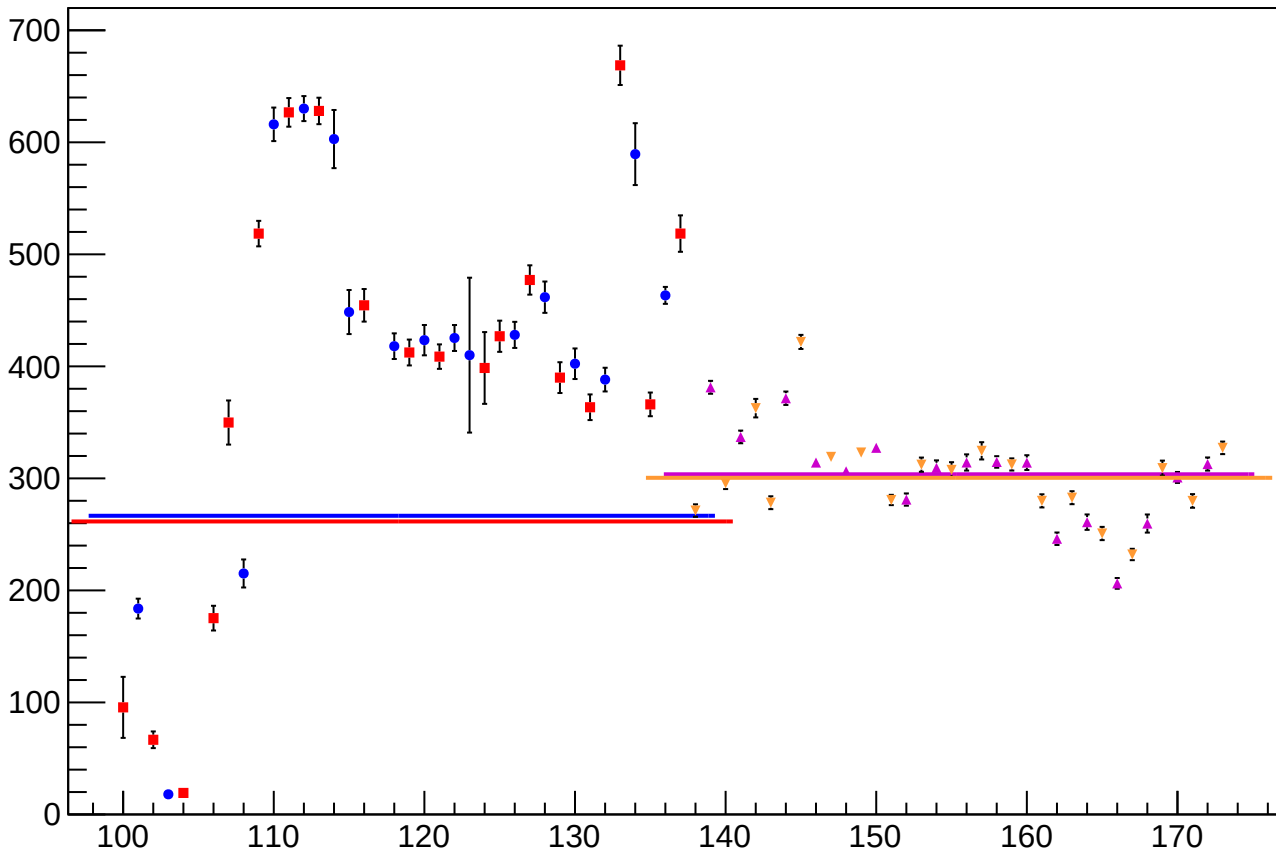
Right: -2.757 ± 1.007 χ^2/NDF : 422.1/35

In: 5.076 ± 0.792 χ^2/NDF : 563.0/33

Out: 4.436 ± 0.754 χ^2/NDF : 556.8/37

All: 4.741 ± 0.546 χ^2/NDF : 1120.1/71

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: 300.514 $\pm$ 1.291 χ^2 /NDF:864.6/18

Right Out: 261.551 $\pm$ 2.458 χ^2 /NDF: 8208.2/18

Left In: 303.657 $\pm$ 1.325 χ^2 /NDF:998.0/16

Left: 302.045 $\pm$ 0.925 χ^2 /NDF: 1865.5/35

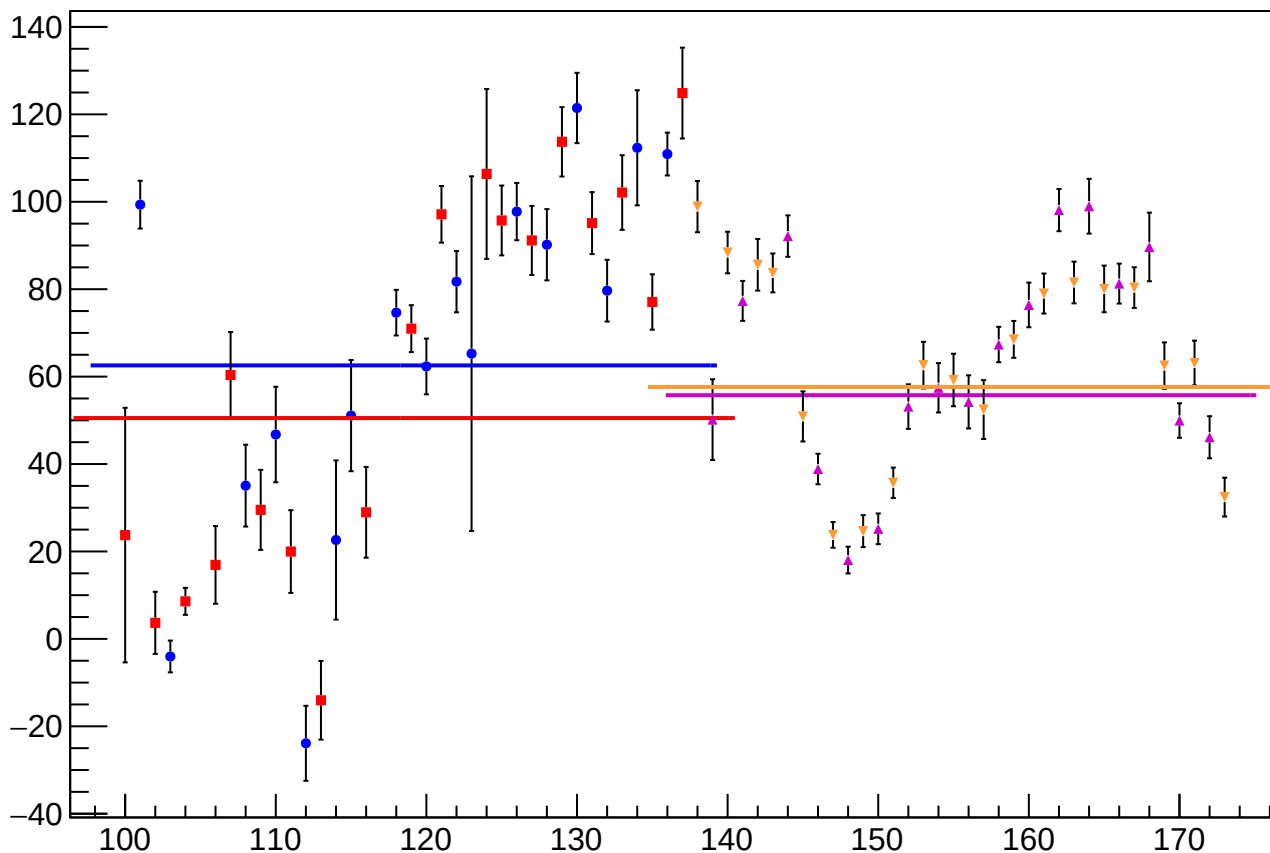
Right: 264.068 $\pm$ 1.745 χ^2 /NDF: 15873.0/35

In: 295.420 $\pm$ 1.168 χ^2 /NDF:8834.5/33

Out: 292.084 $\pm$ 1.143 χ^2 /NDF:9269.7/37

All: 293.716 $\pm$ 0.817 χ^2 /NDF: 18108.3/71

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: 57.627 $\pm$ 1.057 χ^2 /NDF: 534.2/18

Right Out: 50.526 $\pm$ 1.643 χ^2 /NDF: 657.0/18

Left In: 55.748 $\pm$ 1.111 χ^2 /NDF: 538.4/16

Left: 56.734 $\pm$ 0.766 χ^2 /NDF: 1074.1/35

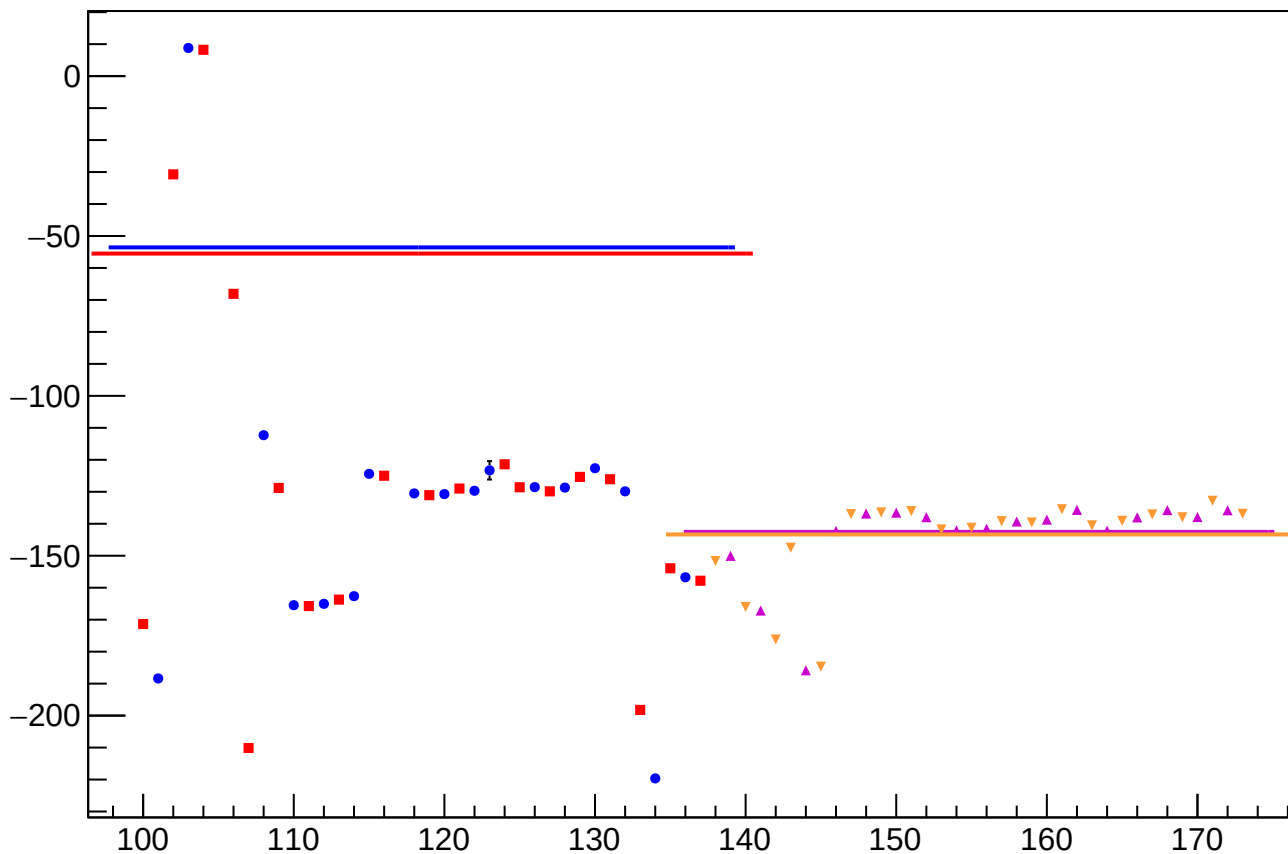
Right: 56.420 $\pm$ 1.174 χ^2 /NDF: 1405.7/35

In: 57.825 $\pm$ 0.926 χ^2 /NDF: 1272.3/33

Out: 55.549 $\pm$ 0.889 χ^2 /NDF: 1204.4/37

All: 56.640 $\pm$ 0.641 χ^2 /NDF: 2479.8/71

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -53.567 ± 0.070 $\chi^2/\text{NDF}: 1230233.3/16$

Left Out: -143.341 ± 0.051 $\chi^2/\text{NDF}: 60371.6/18$

Right Out: -55.502 ± 0.072 $\chi^2/\text{NDF}: 969632.0/18$

Left In: -142.552 ± 0.052 $\chi^2/\text{NDF}: 46831.2/16$

Left: -142.956 ± 0.037 $\chi^2/\text{NDF}: 107319.1/35$

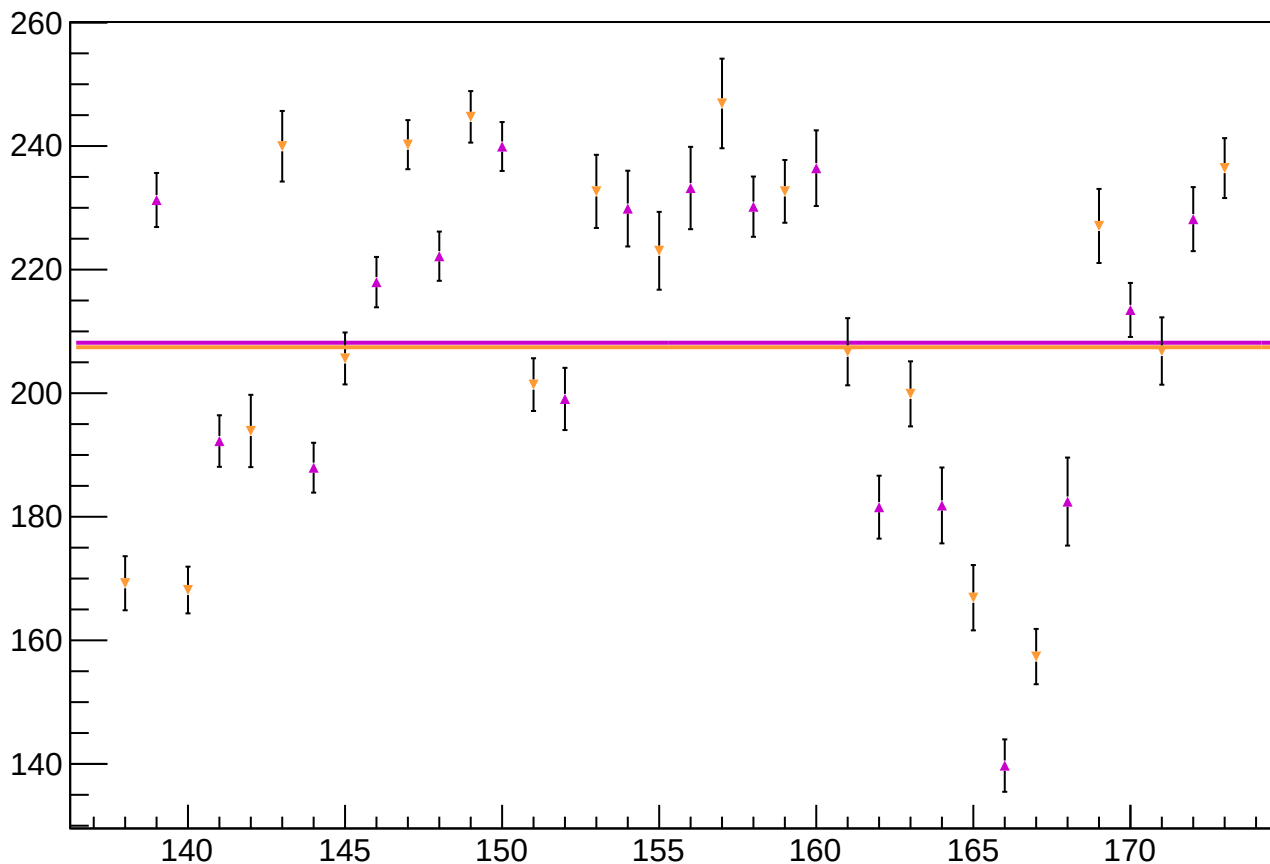
Right: -54.512 ± 0.050 $\chi^2/\text{NDF}: 2200235.7/35$

In: -110.793 ± 0.042 $\chi^2/\text{NDF}: 2308208.5/33$

Out: -113.823 ± 0.042 $\chi^2/\text{NDF}: 2020773.0/37$

All: -112.318 ± 0.030 $\chi^2/\text{NDF}: 4331604.8/71$

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: 207.432+/-1.128 χ^2/NDF : 683.2/18

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

Left In: 208.166+/-1.158 χ^2/NDF : 556.9/16

Left: 207.789+/-0.808 χ^2/NDF : 1240.3/35

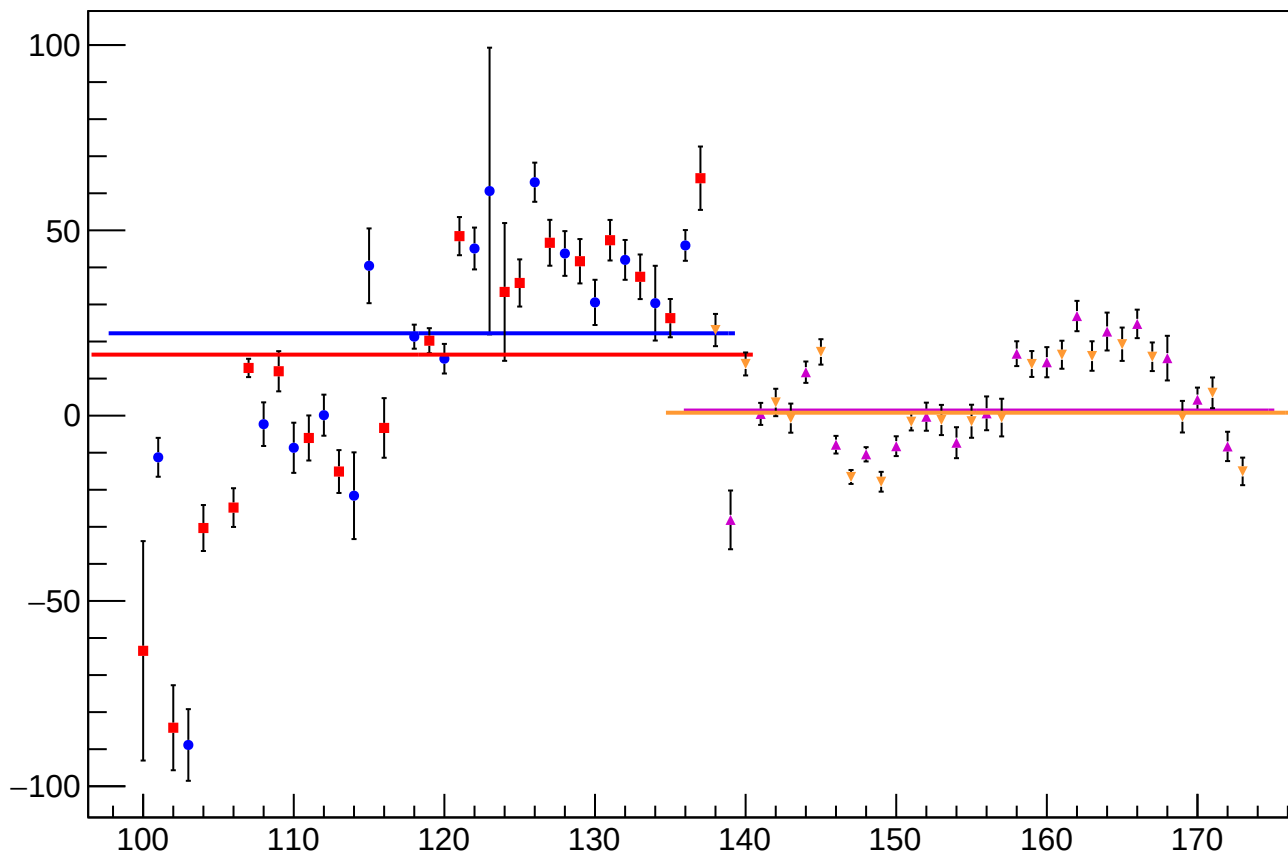
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 208.166+/-1.158 χ^2/NDF : 556.9/16

Out: 207.432+/-1.128 χ^2/NDF : 683.2/18

All: 207.789+/-0.808 χ^2/NDF : 1240.3/35

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.221 ± 1.374 χ^2/NDF : 385.6/16

Left Out: 0.794 ± 0.779 χ^2/NDF : 301.0/18

Right Out: 16.466 ± 1.230 χ^2/NDF : 425.9/18

Left In: 1.379 ± 0.814 χ^2/NDF : 233.5/16

Left: 1.074 ± 0.563 χ^2/NDF : 534.7/35

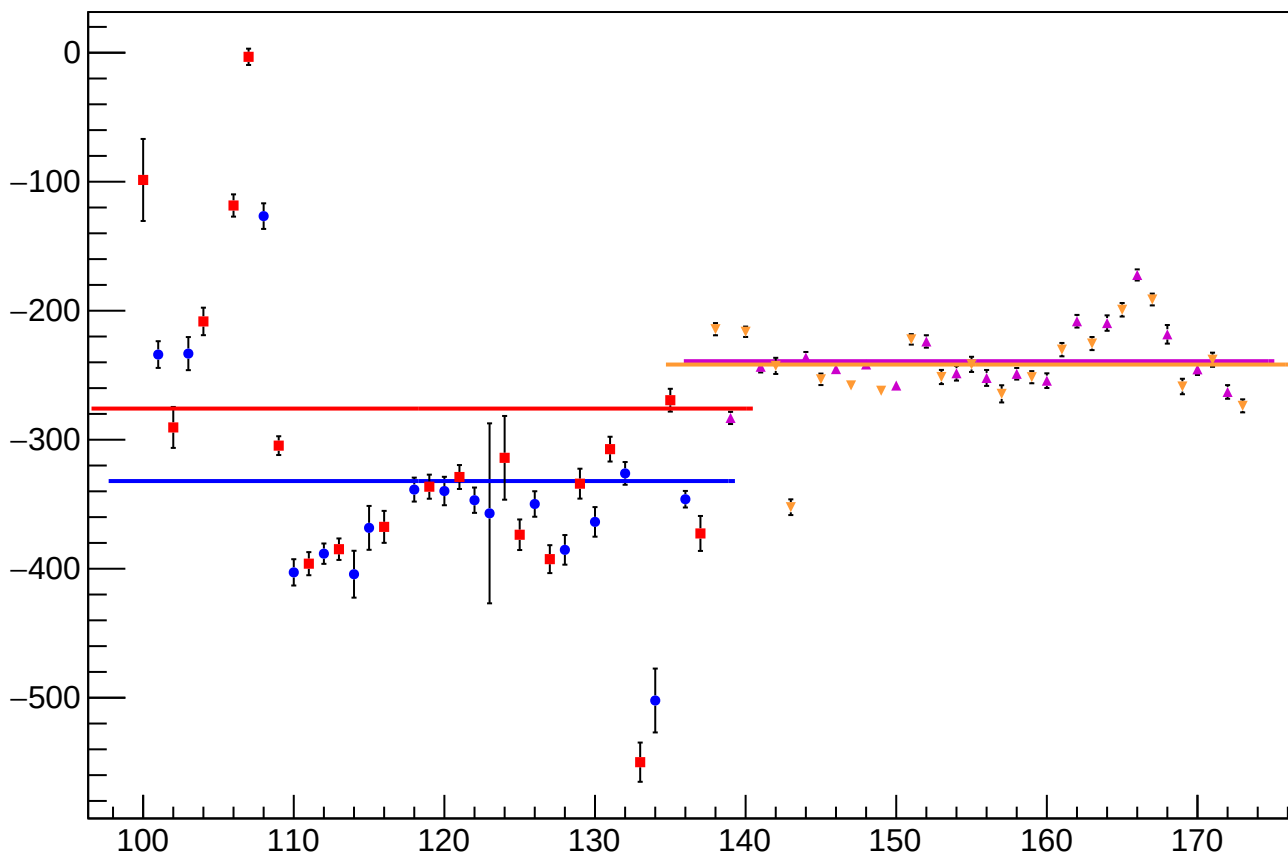
Right: 19.025 ± 0.916 χ^2/NDF : 821.2/35

In: 6.792 ± 0.700 χ^2/NDF : 789.5/33

Out: 5.282 ± 0.658 χ^2/NDF : 842.8/37

All: 5.990 ± 0.479 χ^2/NDF : 1634.7/71

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -332.037 ± 2.562 $\chi^2/\text{NDF}: 784.9/16$

Left Out: -241.722 ± 1.120 $\chi^2/\text{NDF}: 747.4/18$

Right Out: -275.853 ± 2.324 $\chi^2/\text{NDF}: 3362.8/18$

Left In: -239.112 ± 1.140 $\chi^2/\text{NDF}: 479.7/16$

Left: -240.440 ± 0.799 $\chi^2/\text{NDF}: 1229.8/35$

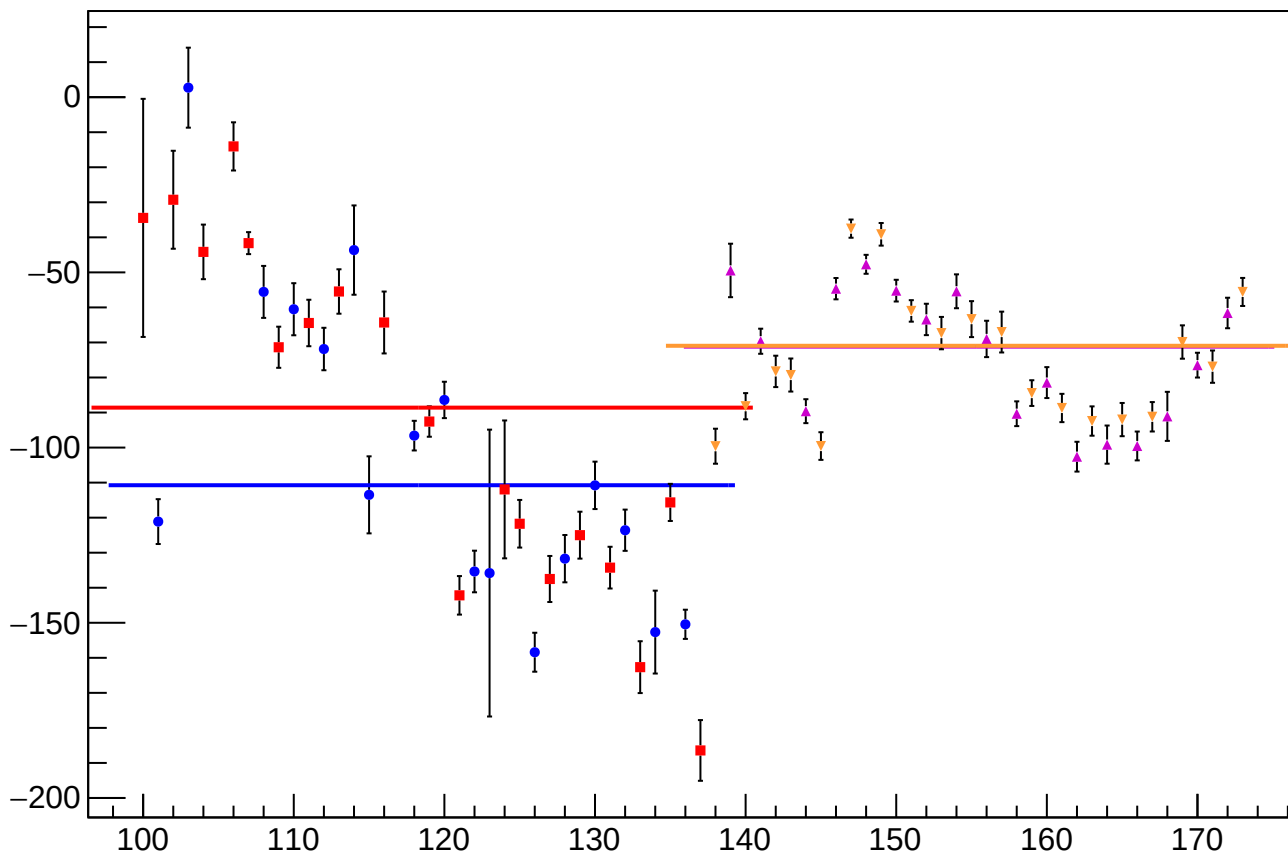
Right: -301.220 ± 1.721 $\chi^2/\text{NDF}: 4411.6/35$

In: -254.464 ± 1.041 $\chi^2/\text{NDF}: 2362.9/33$

Out: -248.150 ± 1.009 $\chi^2/\text{NDF}: 4285.3/37$

All: -251.207 ± 0.725 $\chi^2/\text{NDF}: 6667.1/71$

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: -70.949 ± 0.919 χ^2/NDF : 507.8/18

Right Out: -88.600 ± 1.435 χ^2/NDF : 969.7/18

Left In: -71.196 ± 0.957 χ^2/NDF : 361.3/16

Left: -71.067 ± 0.663 χ^2/NDF : 869.2/35

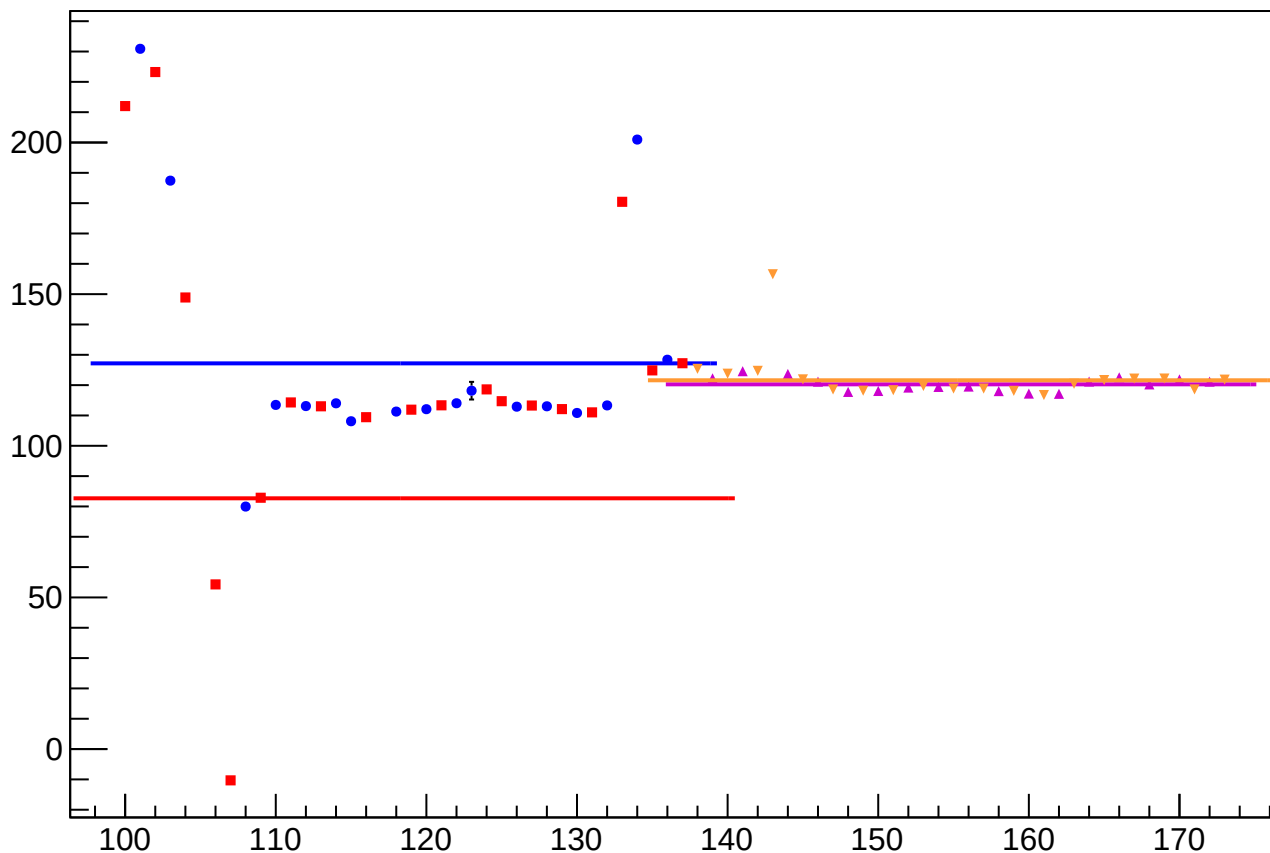
Right: -98.623 ± 1.061 χ^2/NDF : 1591.0/35

In: -81.831 ± 0.818 χ^2/NDF : 1334.2/33

Out: -76.088 ± 0.774 χ^2/NDF : 1584.9/37

All: -78.801 ± 0.562 χ^2/NDF : 2945.1/71

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: 121.600 $\pm$ 0.044 χ^2 /NDF: 23935.5/18

Right Out: 82.684 $\pm$ 0.075 χ^2 /NDF: 765716.0/18

Left In: 120.268 $\pm$ 0.045 χ^2 /NDF: 2528.7/16

Left: 120.945 $\pm$ 0.032 χ^2 /NDF: 26907.6/35

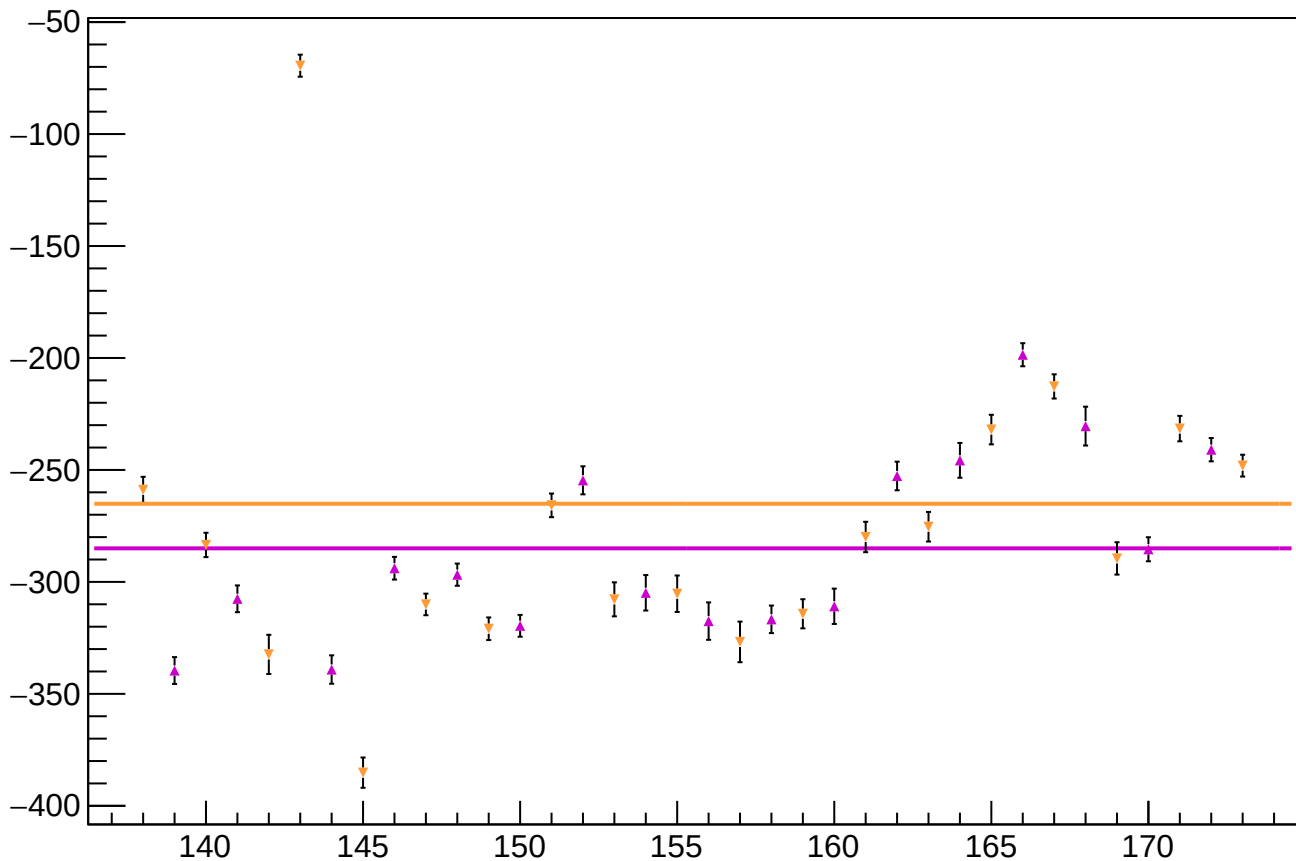
Right: 101.242 $\pm$ 0.057 χ^2 /NDF: 1099401.9/35

In: 121.679 $\pm$ 0.040 χ^2 /NDF: 195376.6/33

Out: 111.573 $\pm$ 0.038 χ^2 /NDF: 987927.1/37

All: 116.369 $\pm$ 0.028 χ^2 /NDF: 1216478.7/71

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: -265.107 ± 1.387 χ^2/NDF : 2518.9/18

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -285.022 ± 1.467 χ^2/NDF : 755.1/16

Left: -274.503 ± 1.008 χ^2/NDF : 3371.3/35

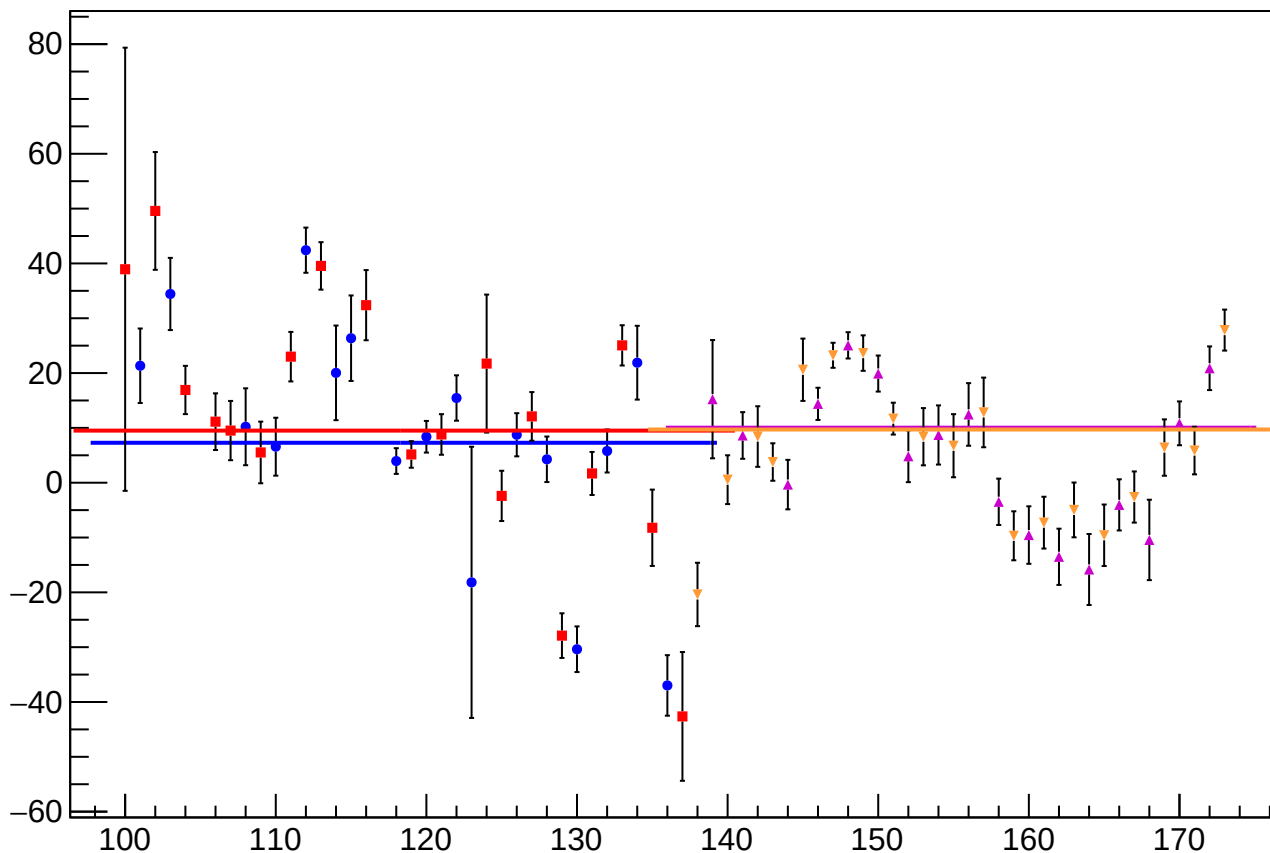
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -285.022 ± 1.467 χ^2/NDF : 755.1/16

Out: -265.107 ± 1.387 χ^2/NDF : 2518.9/18

All: -274.503 ± 1.008 χ^2/NDF : 3371.3/35

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.284 ± 1.084 χ^2/NDF : 261.0/16

Left Out: 9.704 ± 0.953 χ^2/NDF : 176.7/18

Right Out: 9.505 ± 1.074 χ^2/NDF : 231.5/18

Left In: 10.037 ± 1.026 χ^2/NDF : 143.0/16

Left: 9.858 ± 0.698 χ^2/NDF : 319.8/35

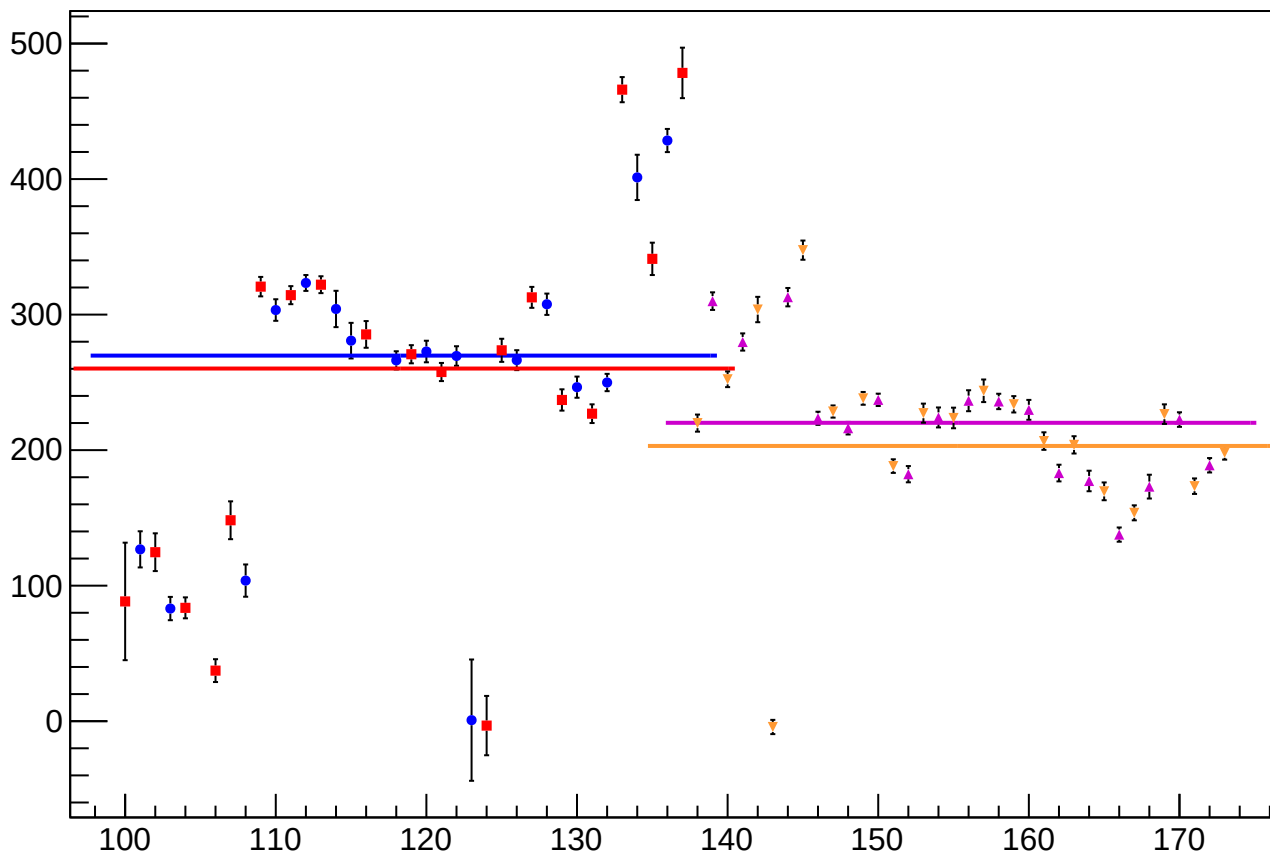
Right: 8.404 ± 0.763 χ^2/NDF : 494.7/35

In: 8.735 ± 0.745 χ^2/NDF : 407.5/33

Out: 9.616 ± 0.713 χ^2/NDF : 408.2/37

All: 9.195 ± 0.515 χ^2/NDF : 816.4/71

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: 203.086 $\pm$ 1.376 χ^2 /NDF:2476.9/18

Right Out: 260.206 $\pm$ 1.978 χ^2 /NDF: 2541.6/18

Left In: 220.161 $\pm$ 1.439 χ^2 /NDF:914.2/16

Left: 211.240 $\pm$ 0.994 χ^2 /NDF: 3464.6/35

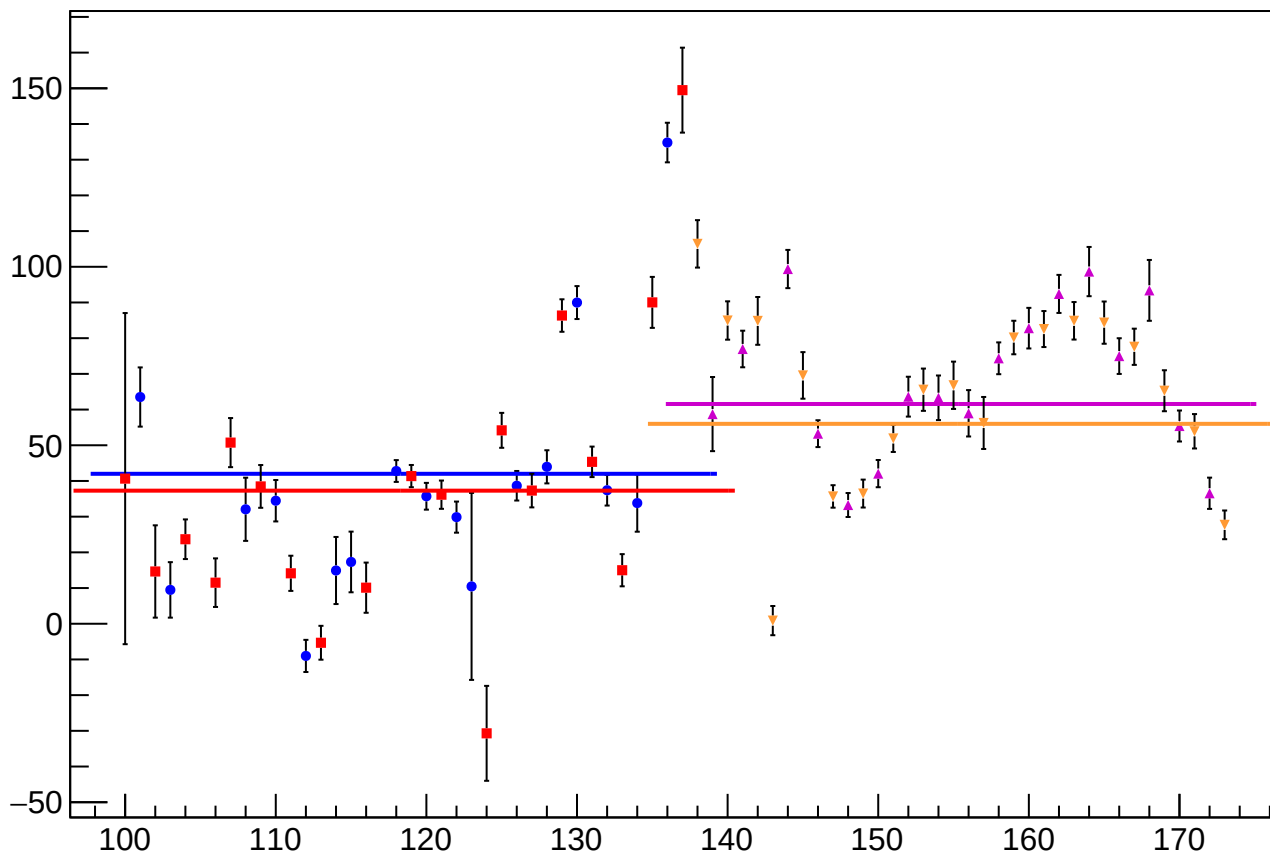
Right: 264.757 $\pm$ 1.430 χ^2 /NDF: 3926.7/35

In: 236.301 $\pm$ 1.182 χ^2 /NDF:2674.8/33

Out: 221.708 $\pm$ 1.129 χ^2 /NDF:5580.6/37

All: 228.674 $\pm$ 0.816 χ^2 /NDF: 8335.1/71

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: 56.002 ± 1.123 $\chi^2/\text{NDF}: 542.0/18$

Right Out: 37.284 ± 1.237 $\chi^2/\text{NDF}: 472.6/18$

Left In: 61.562 ± 1.206 $\chi^2/\text{NDF}: 301.7/16$

Left: 58.586 ± 0.822 $\chi^2/\text{NDF}: 855.1/35$

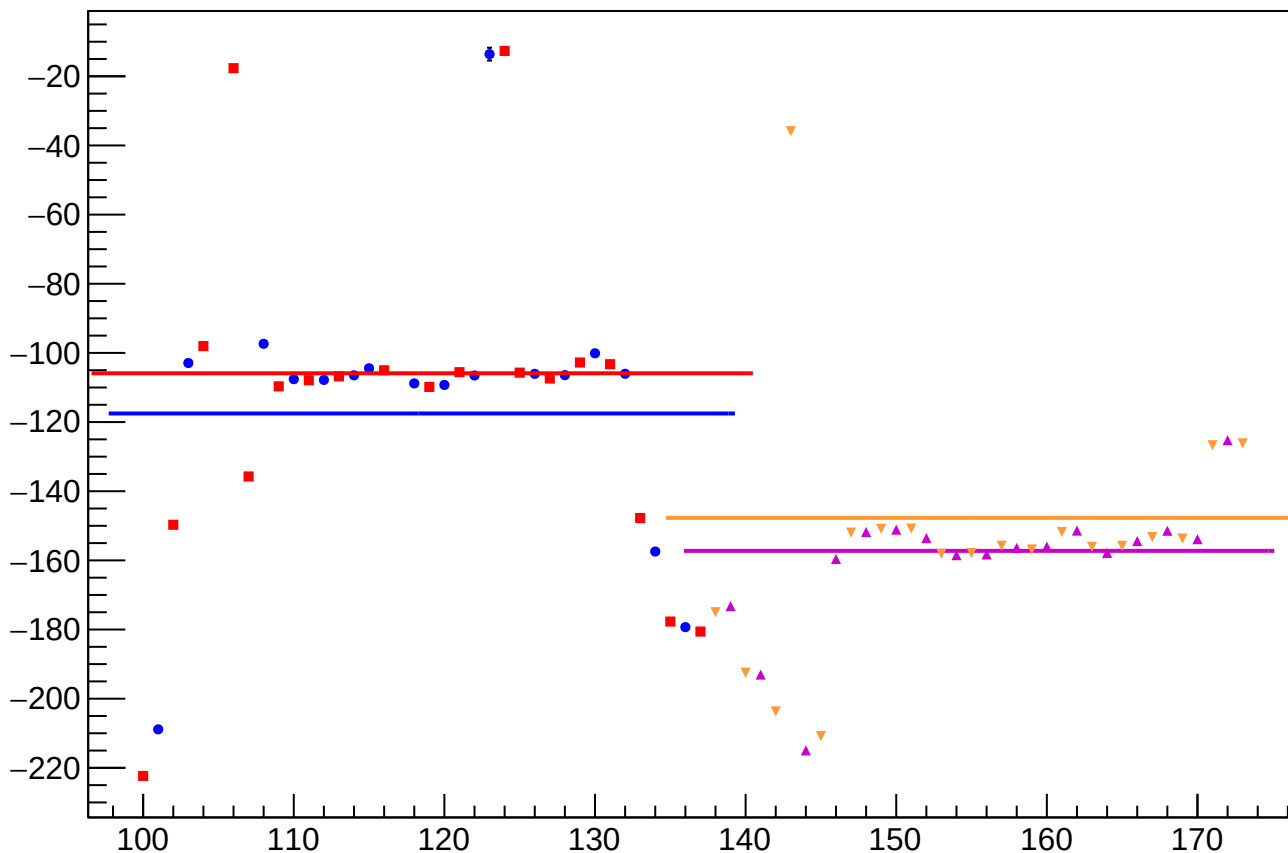
Right: 39.611 ± 0.881 $\chi^2/\text{NDF}: 1055.4/35$

In: 52.180 ± 0.870 $\chi^2/\text{NDF}: 1003.5/33$

Out: 47.543 ± 0.832 $\chi^2/\text{NDF}: 1140.1/37$

All: 49.758 ± 0.601 $\chi^2/\text{NDF}: 2158.4/71$

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: -147.711+/-0.054 χ^2/NDF : 433170.3/18

Right Out: -105.892+/-0.073 χ^2/NDF : 324304.4/18

Left In: -157.246+/-0.057 χ^2/NDF : 93991.8/16

Left: -152.269+/-0.039 χ^2/NDF : 541903.0/35

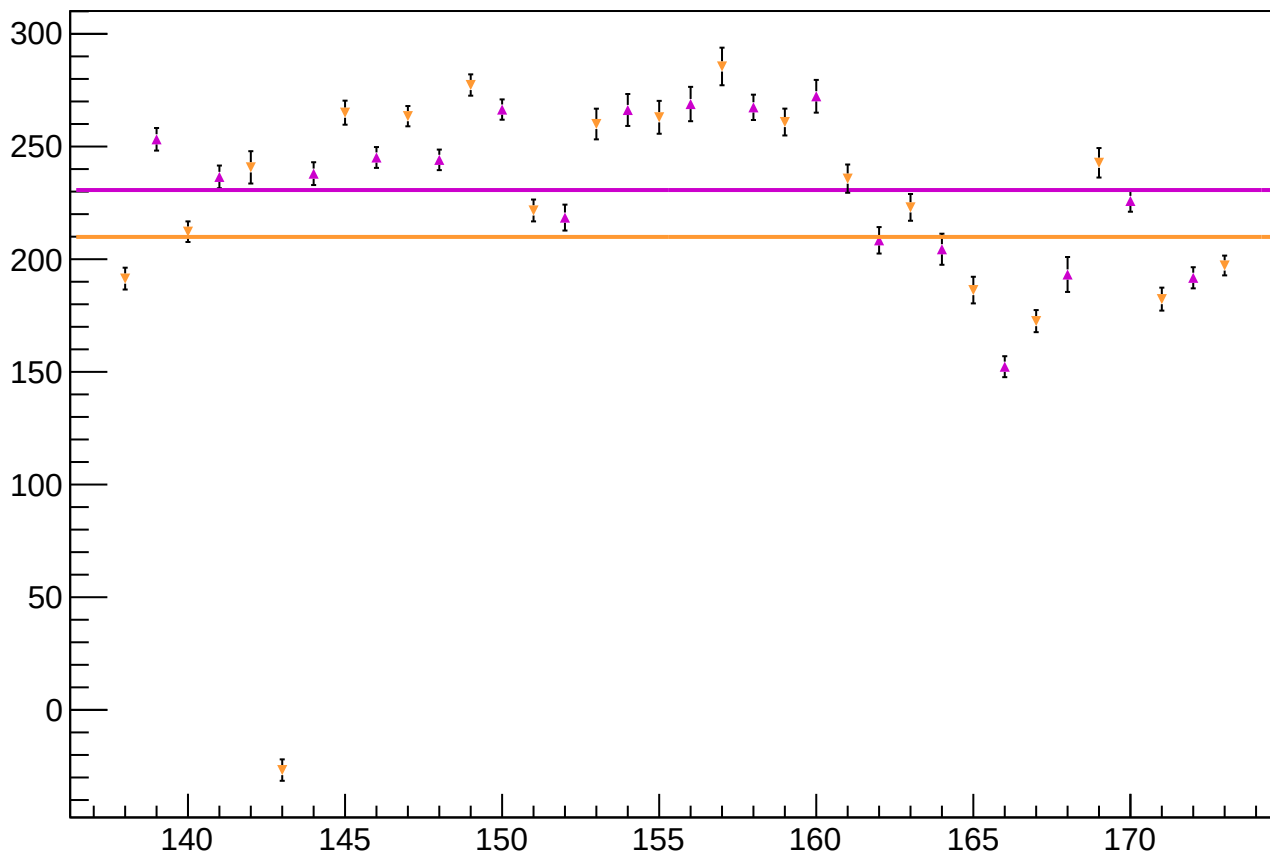
Right: -111.303+/-0.053 χ^2/NDF : 478188.8/35

In: -143.498+/-0.046 χ^2/NDF : 405667.1/33

Out: -132.762+/-0.044 χ^2/NDF : 969490.2/37

All: -137.846+/-0.032 χ^2/NDF : 1403973.3/71

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: 209.889+/-1.244 χ^2/NDF :3388.7/18

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

Left In: 230.697+/-1.310 χ^2/NDF :641.6/16

Left: 219.750+/-0.902 χ^2/NDF : 4162.9/35

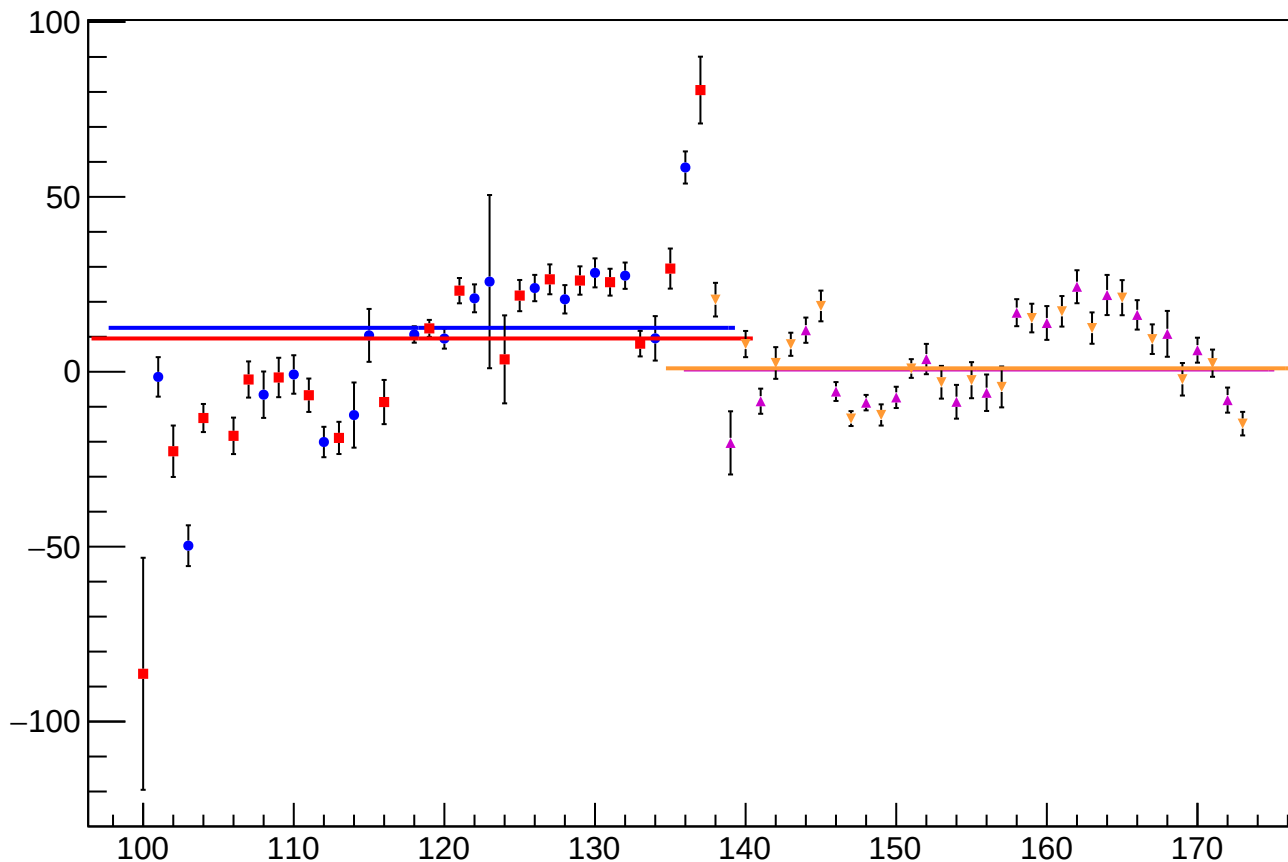
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 230.697+/-1.310 χ^2/NDF :641.6/16

Out: 209.889+/-1.244 χ^2/NDF :3388.7/18

All: 219.750+/-0.902 χ^2/NDF : 4162.9/35

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.561 ± 1.056 χ^2/NDF : 347.7/16

Left Out: 0.983 ± 0.862 χ^2/NDF : 183.3/18

Right Out: 9.519 ± 1.051 χ^2/NDF : 296.2/18

Left In: 0.646 ± 0.924 χ^2/NDF : 146.7/16

Left: 0.826 ± 0.630 χ^2/NDF : 330.1/35

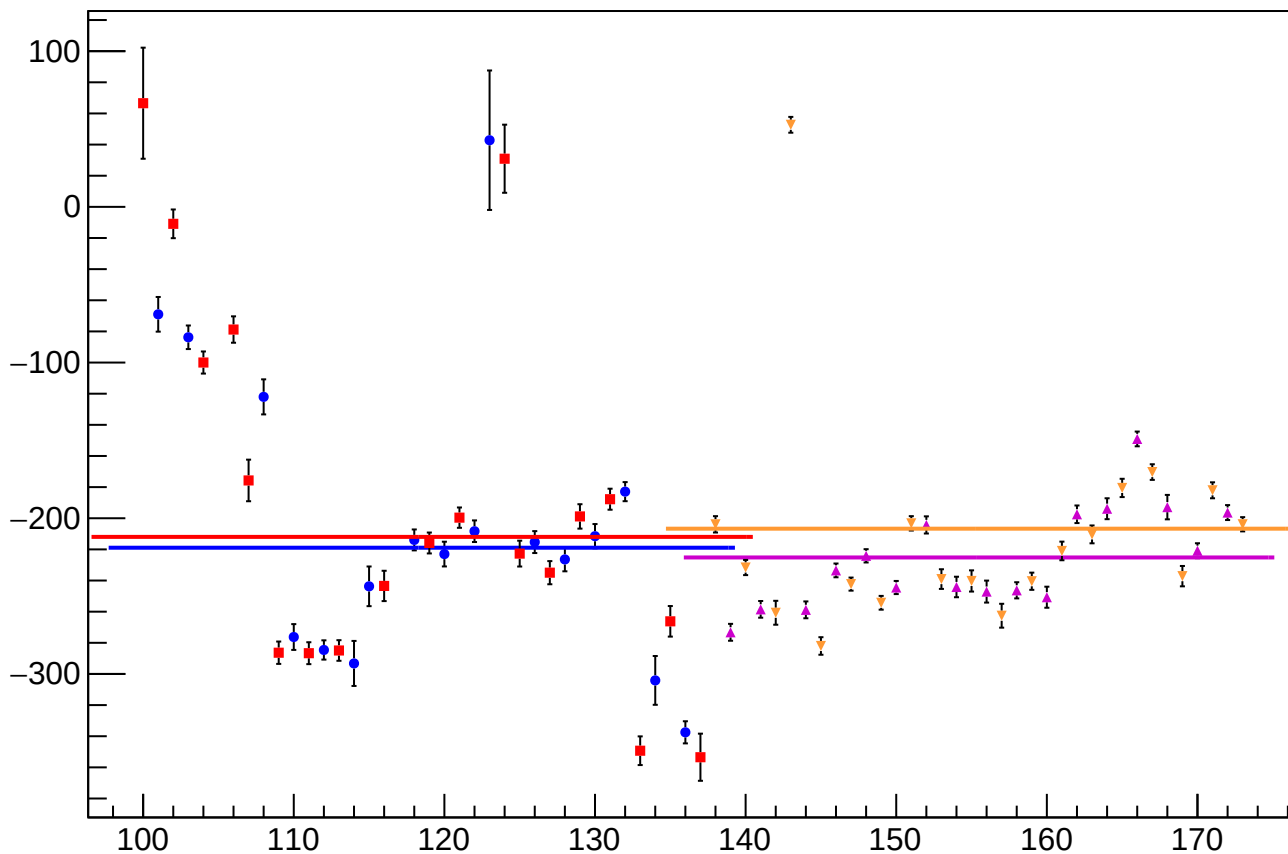
Right: 11.033 ± 0.745 χ^2/NDF : 648.2/35

In: 5.816 ± 0.695 χ^2/NDF : 566.5/33

Out: 4.418 ± 0.666 χ^2/NDF : 519.0/37

All: 5.087 ± 0.481 χ^2/NDF : 1087.7/71

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: -206.699 ± 1.237 χ^2/NDF : 3319.8/18

Right Out: -211.968 ± 1.924 χ^2/NDF : 1886.2/18

Left In: -225.182 ± 1.289 χ^2/NDF : 601.7/16

Left: -215.562 ± 0.893 χ^2/NDF : 4028.5/35

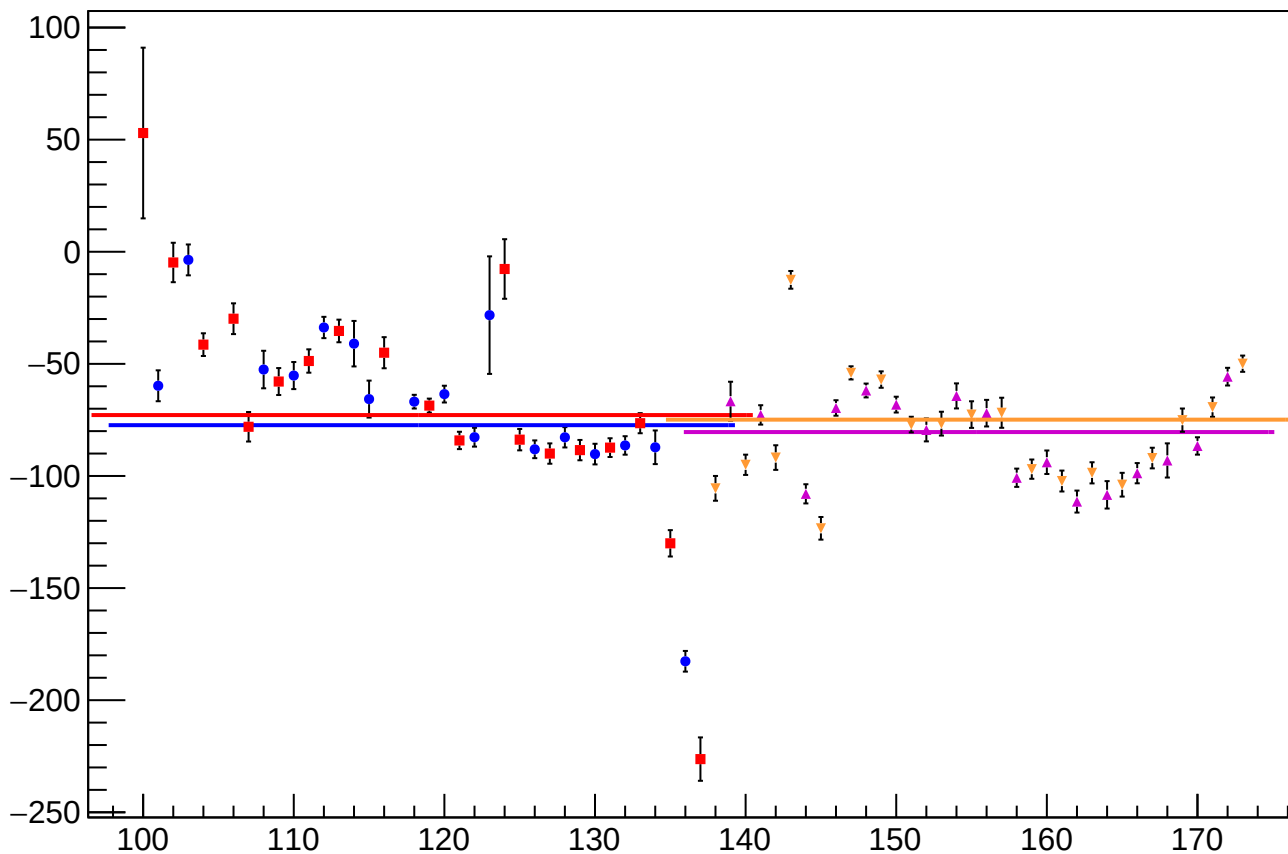
Right: -215.302 ± 1.389 χ^2/NDF : 3039.1/35

In: -223.353 ± 1.085 χ^2/NDF : 1755.2/33

Out: -208.241 ± 1.041 χ^2/NDF : 5211.3/37

All: -215.486 ± 0.751 χ^2/NDF : 7067.6/71

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -77.342 ± 1.219 χ^2/NDF : 817.2/16

Left Out: -74.879 ± 1.015 χ^2/NDF : 655.3/18

Right Out: -72.836 ± 1.209 χ^2/NDF : 672.9/18

Left In: -80.416 ± 1.084 χ^2/NDF : 268.9/16

Left: -77.465 ± 0.741 χ^2/NDF : 938.1/35

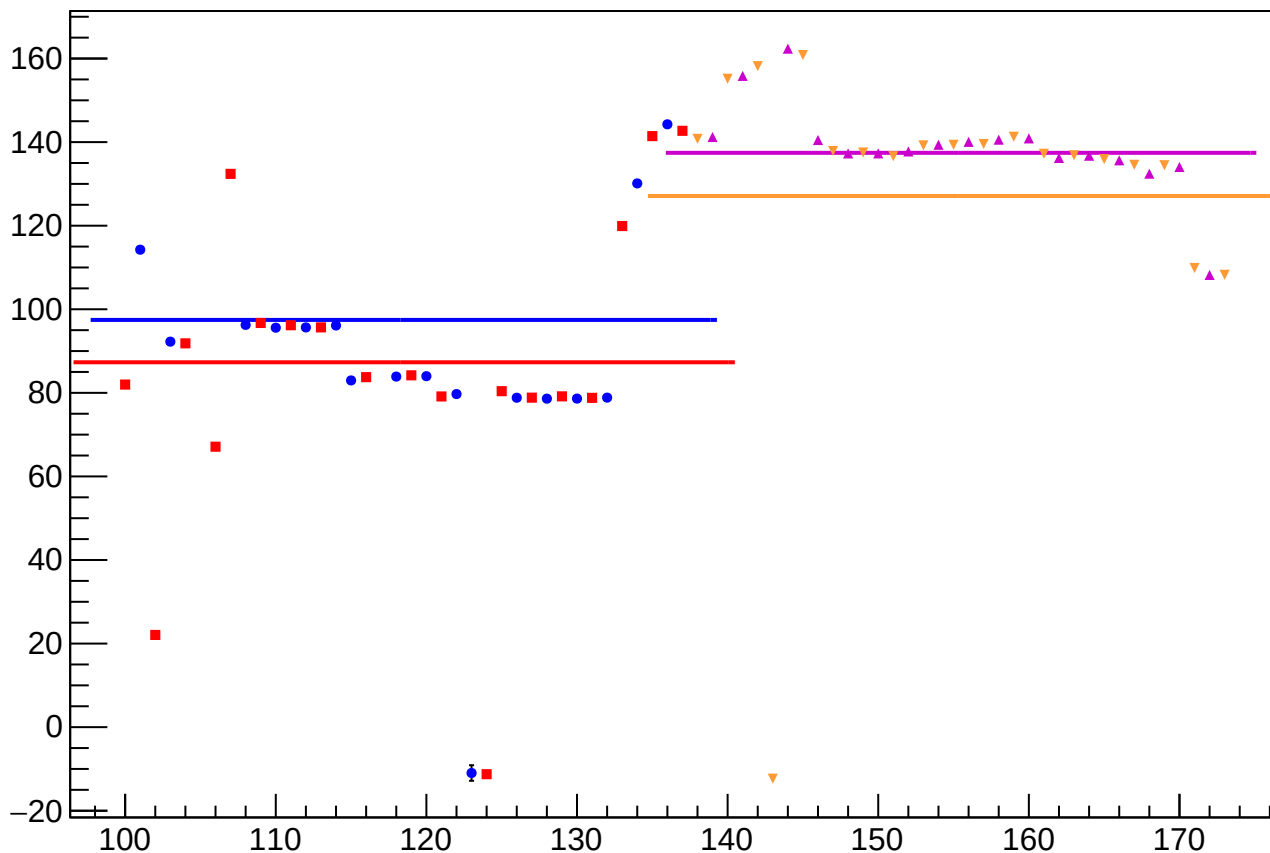
Right: -75.069 ± 0.858 χ^2/NDF : 1497.0/35

In: -79.059 ± 0.810 χ^2/NDF : 1089.6/33

Out: -74.035 ± 0.777 χ^2/NDF : 1329.8/37

All: -76.442 ± 0.561 χ^2/NDF : 2439.5/71

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 97.452 $\pm$ 0.073 χ^2 /NDF: 94476.4/16

Left Out: 127.103 $\pm$ 0.049 χ^2 /NDF: 577010.5/18

Right Out: 87.315 $\pm$ 0.068 χ^2 /NDF: 221837.7/18

Left In: 137.436 $\pm$ 0.051 χ^2 /NDF: 49738.7/16

Left: 132.061 $\pm$ 0.035 χ^2 /NDF: 648260.9/35

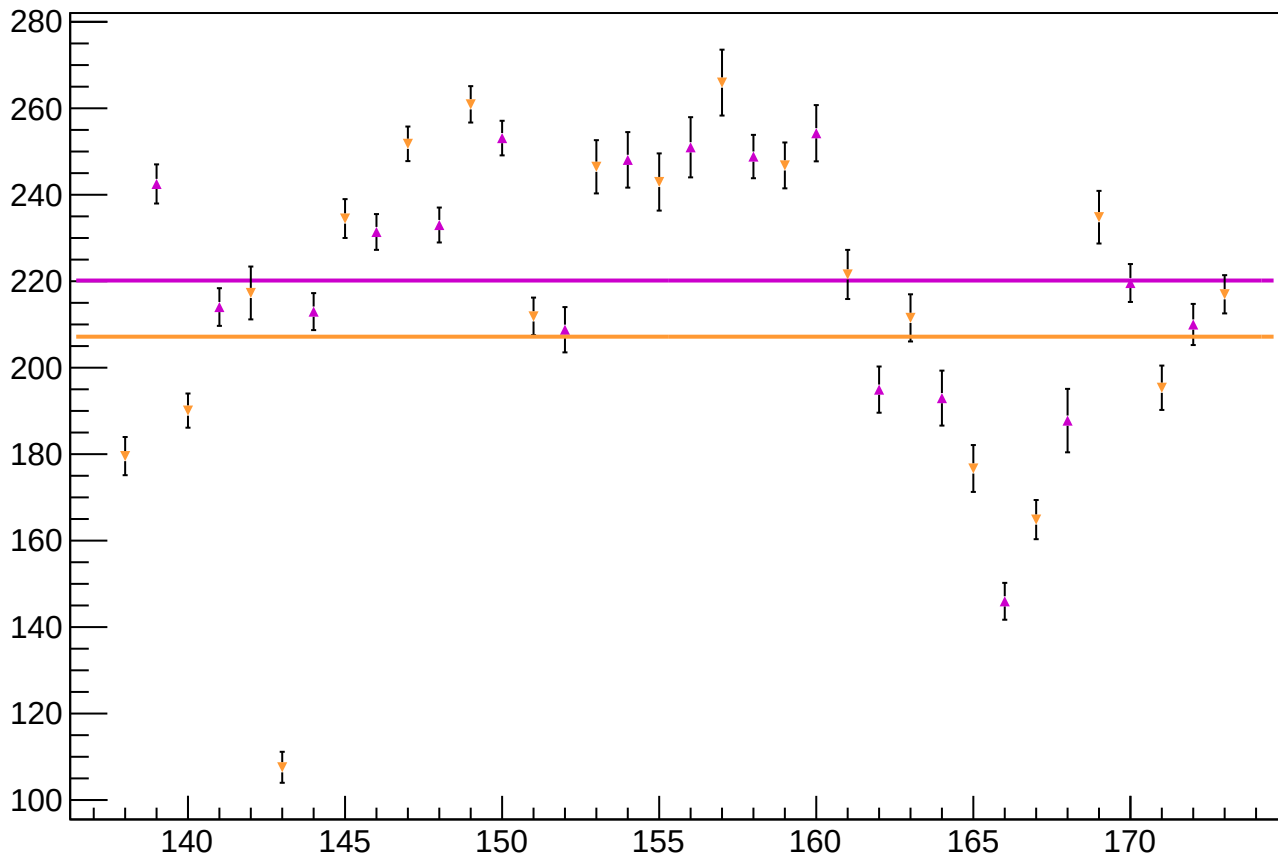
Right: 92.024 $\pm$ 0.050 χ^2 /NDF: 326563.7/35

In: 124.448 $\pm$ 0.042 χ^2 /NDF: 345313.3/33

Out: 113.639 $\pm$ 0.040 χ^2 /NDF: 1023758.9/37

All: 118.770 $\pm$ 0.029 χ^2 /NDF: 1404273.4/71

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 207.174+/-1.114 χ^2/NDF :1500.0/18

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

Left In: 220.162+/-1.185 χ^2/NDF :585.4/16

Left: 213.266+/-0.811 χ^2/NDF : 2149.3/35

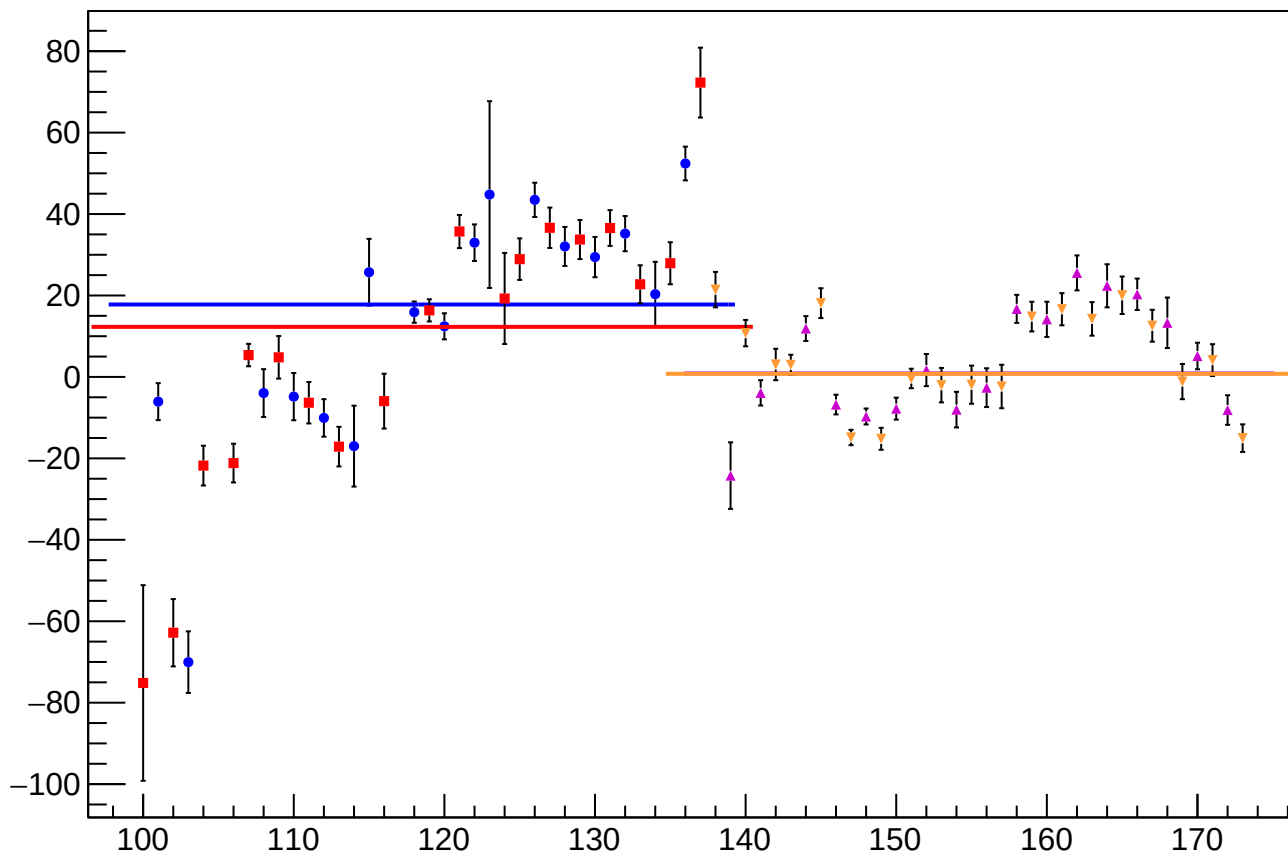
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 220.162+/-1.185 χ^2/NDF :585.4/16

Out: 207.174+/-1.114 χ^2/NDF :1500.0/18

All: 213.266+/-0.811 χ^2/NDF : 2149.3/35

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: 0.762 ± 0.768 $\chi^2/\text{NDF}: 251.2/18$

Right Out: 12.294 ± 1.086 $\chi^2/\text{NDF}: 443.7/18$

Left In: 0.851 ± 0.831 $\chi^2/\text{NDF}: 196.5/16$

Left: 0.803 ± 0.564 $\chi^2/\text{NDF}: 447.7/35$

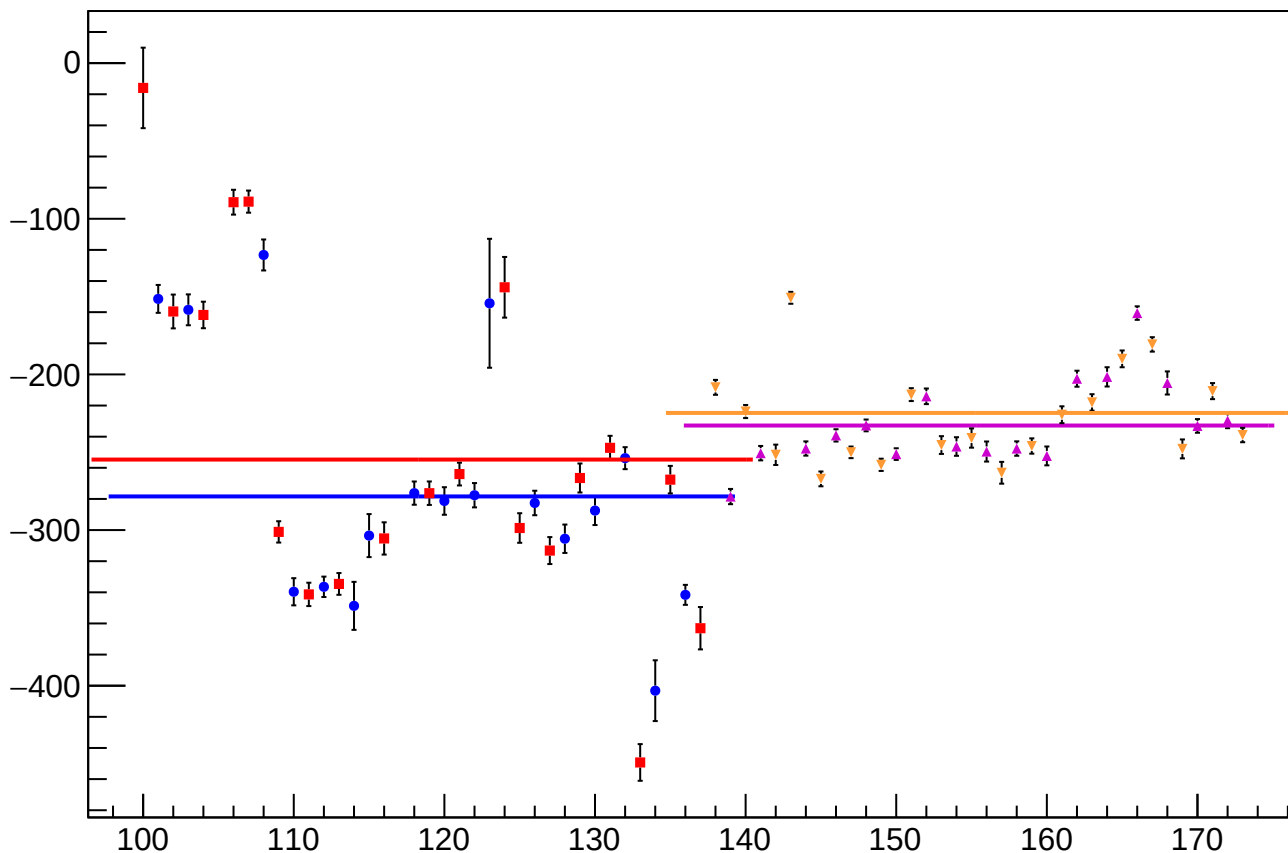
Right: 14.891 ± 0.788 $\chi^2/\text{NDF}: 850.9/35$

In: 6.686 ± 0.673 $\chi^2/\text{NDF}: 734.7/33$

Out: 4.606 ± 0.627 $\chi^2/\text{NDF}: 770.1/37$

All: 5.572 ± 0.459 $\chi^2/\text{NDF}: 1509.9/71$

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: -224.745 ± 1.110 $\chi^2/\text{NDF}: 840.7/18$

Right Out: -254.703 ± 2.020 $\chi^2/\text{NDF}: 2038.5/18$

Left In: -232.838 ± 1.166 $\chi^2/\text{NDF}: 535.4/16$

Left: -228.594 ± 0.804 $\chi^2/\text{NDF}: 1401.4/35$

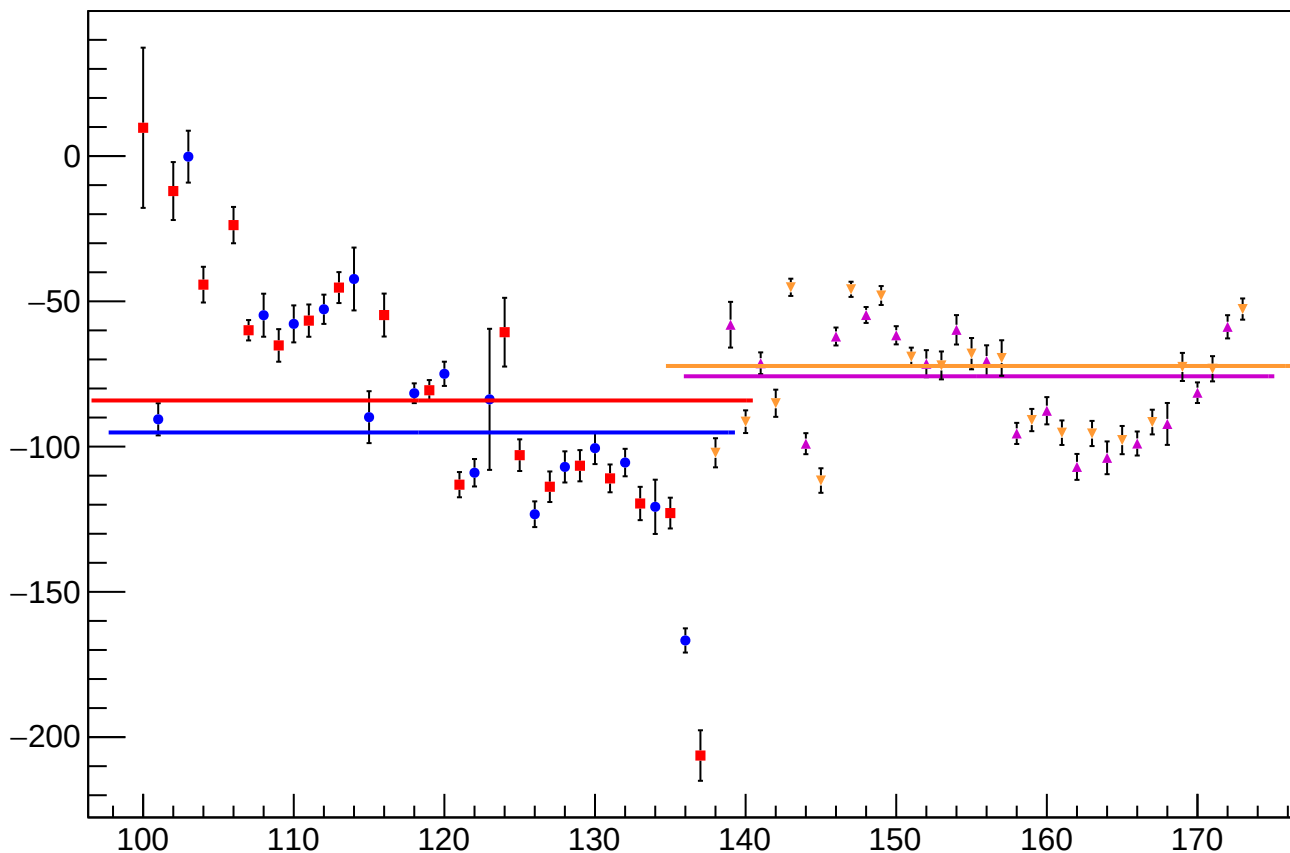
Right: -265.715 ± 1.478 $\chi^2/\text{NDF}: 3013.0/35$

In: -243.056 ± 1.027 $\chi^2/\text{NDF}: 1788.6/33$

Out: -231.692 ± 0.973 $\chi^2/\text{NDF}: 3048.1/37$

All: -237.069 ± 0.706 $\chi^2/\text{NDF}: 4901.2/71$

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: -72.251 ± 0.907 χ^2/NDF : 556.0/18

Right Out: -84.124 ± 1.259 χ^2/NDF : 782.9/18

Left In: -75.798 ± 0.978 χ^2/NDF : 325.3/16

Left: -73.892 ± 0.665 χ^2/NDF : 888.3/35

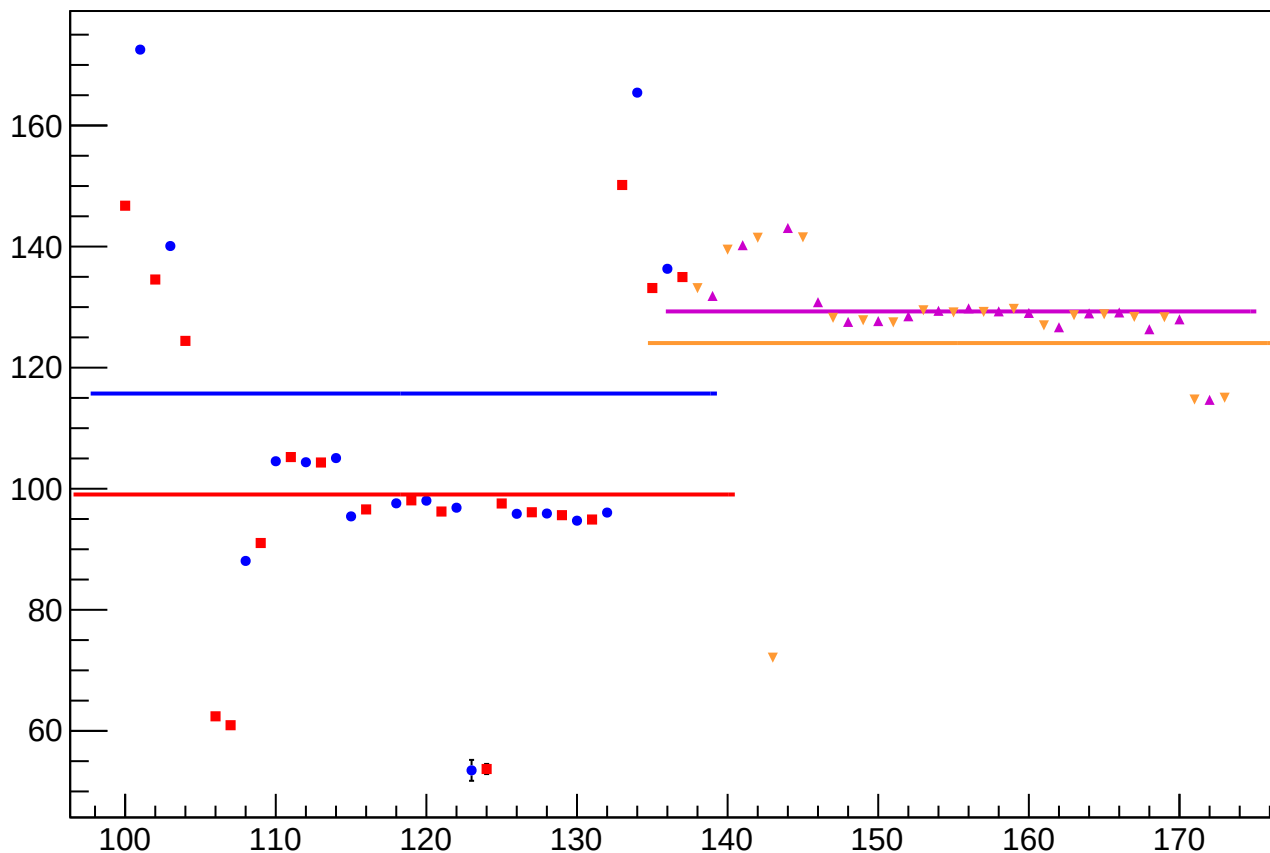
Right: -89.357 ± 0.912 χ^2/NDF : 1494.2/35

In: -82.632 ± 0.786 χ^2/NDF : 1138.4/33

Out: -76.310 ± 0.736 χ^2/NDF : 1397.4/37

All: -79.263 ± 0.537 χ^2/NDF : 2570.3/71

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: 124.062 $\pm$ 0.044 χ^2/NDF :148847.0/18

Right Out: 99.049 $\pm$ 0.069 χ^2/NDF : 173463.3/18

Left In: 129.286 $\pm$ 0.046 χ^2/NDF :16154.8/16

Left: 126.552 $\pm$ 0.032 χ^2/NDF : 171724.7/35

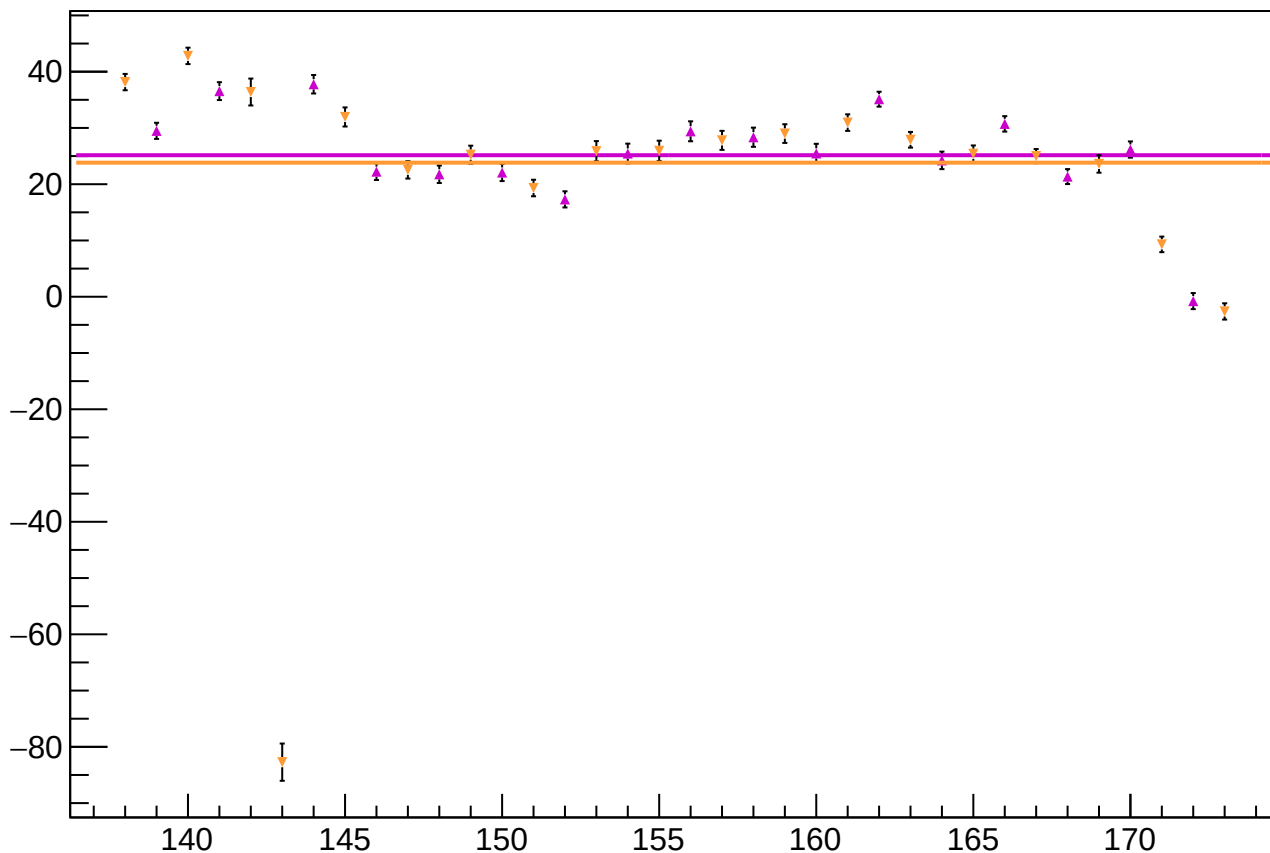
Right: 106.312 $\pm$ 0.051 χ^2/NDF : 305658.4/35

In: 125.775 $\pm$ 0.040 χ^2/NDF :144960.4/33

Out: 116.760 $\pm$ 0.037 χ^2/NDF :416712.8/37

All: 120.954 $\pm$ 0.027 χ^2/NDF : 589270.3/71

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: 23.829+/-0.362 χ^2/NDF :1860.2/18

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

Left In: 25.155+/-0.367 χ^2/NDF :582.5/16

Left: 24.483+/-0.258 χ^2/NDF : 2449.4/35

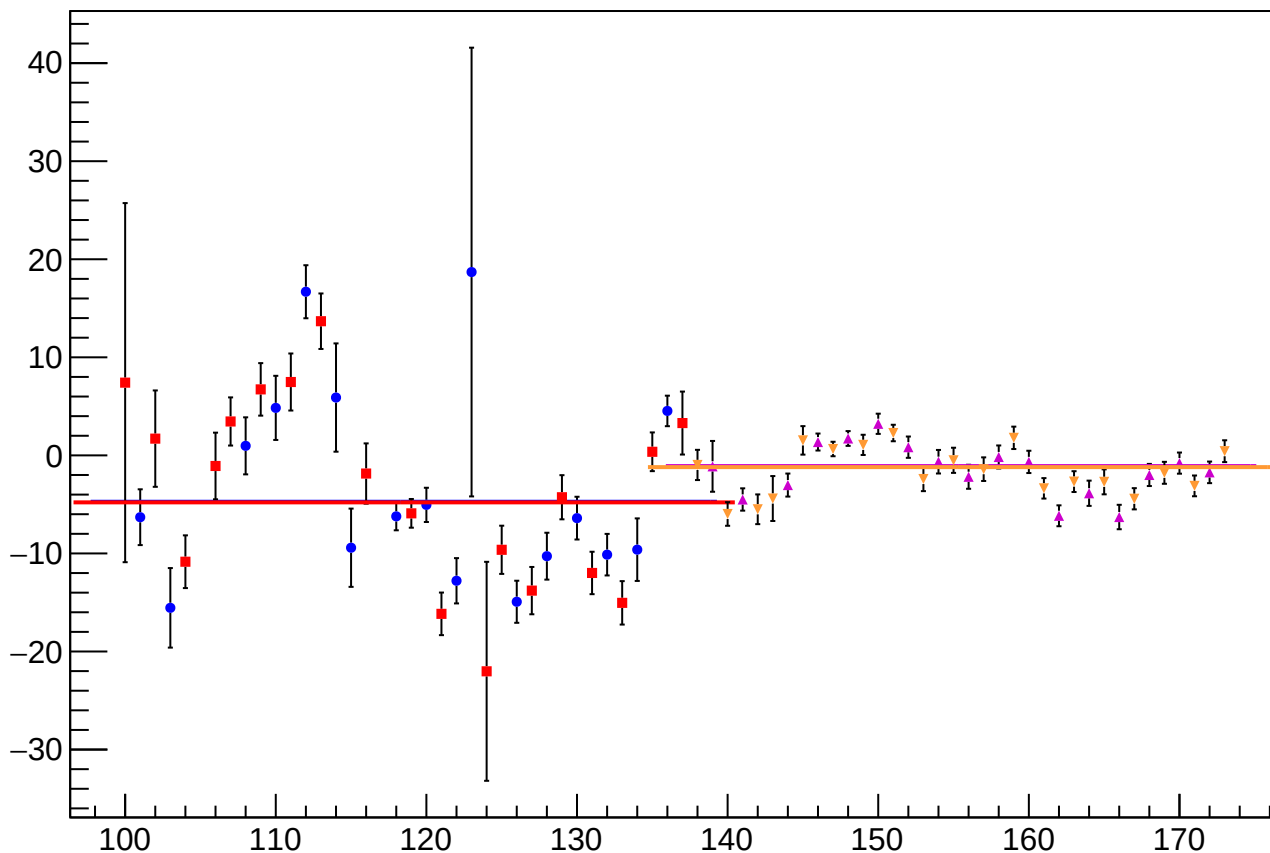
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 25.155+/-0.367 χ^2/NDF :582.5/16

Out: 23.829+/-0.362 χ^2/NDF :1860.2/18

All: 24.483+/-0.258 χ^2/NDF : 2449.4/35

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: -1.198 ± 0.259 χ^2/NDF : 87.9/18

Right Out: -4.793 ± 0.586 χ^2/NDF : 193.5/18

Left In: -1.092 ± 0.267 χ^2/NDF : 101.7/16

Left: -1.147 ± 0.186 χ^2/NDF : 189.7/35

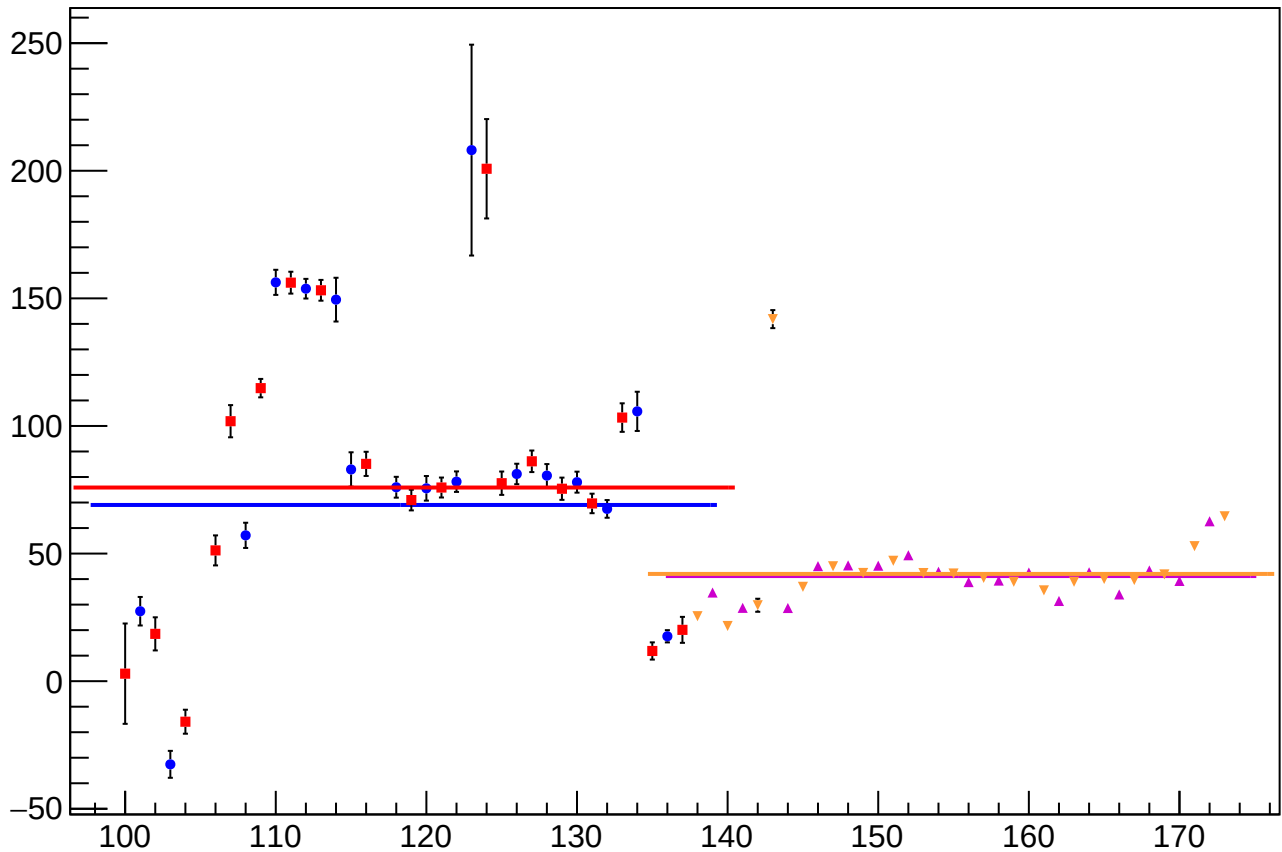
Right: -4.761 ± 0.412 χ^2/NDF : 368.3/35

In: -1.731 ± 0.243 χ^2/NDF : 309.0/33

Out: -1.786 ± 0.237 χ^2/NDF : 312.8/37

All: -1.759 ± 0.170 χ^2/NDF : 621.9/71

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 69.048 ± 1.077 $\chi^2/\text{NDF}: 1847.9/16$

Left Out: 42.024 ± 0.357 $\chi^2/\text{NDF}: 1452.2/18$

Right Out: 75.878 ± 1.069 $\chi^2/\text{NDF}: 1895.0/18$

Left In: 41.191 ± 0.361 $\chi^2/\text{NDF}: 493.0/16$

Left: 41.611 ± 0.254 $\chi^2/\text{NDF}: 1947.8/35$

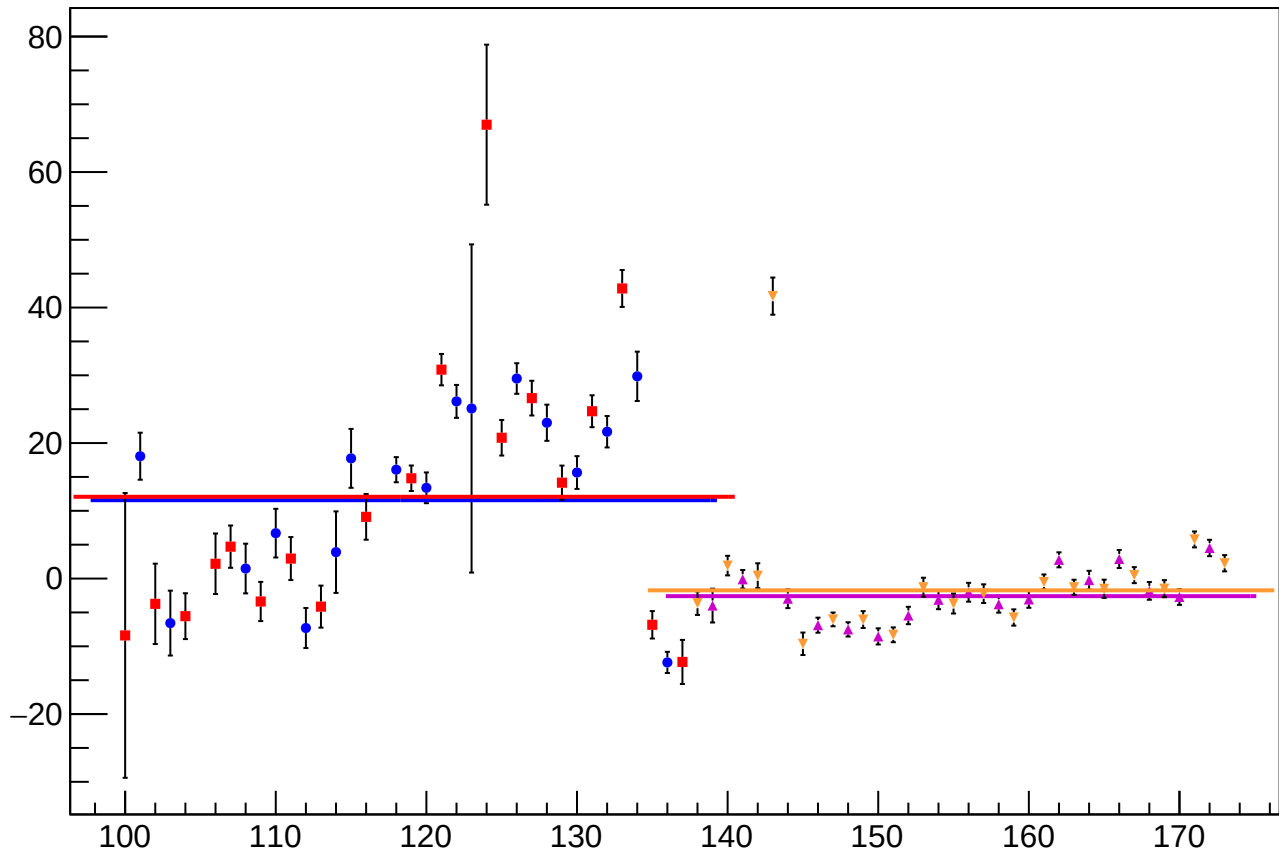
Right: 72.486 ± 0.759 $\chi^2/\text{NDF}: 3763.1/35$

In: 44.000 ± 0.342 $\chi^2/\text{NDF}: 2942.8/33$

Out: 45.424 ± 0.339 $\chi^2/\text{NDF}: 4248.6/37$

All: 44.718 ± 0.241 $\chi^2/\text{NDF}: 7200.1/71$

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.565 ± 0.658 $\chi^2/\text{NDF}: 478.2/16$

Left Out: -1.738 ± 0.299 $\chi^2/\text{NDF}: 418.3/18$

Right Out: 12.071 ± 0.665 $\chi^2/\text{NDF}: 543.3/18$

Left In: -2.596 ± 0.309 $\chi^2/\text{NDF}: 149.7/16$

Left: -2.153 ± 0.215 $\chi^2/\text{NDF}: 571.9/35$

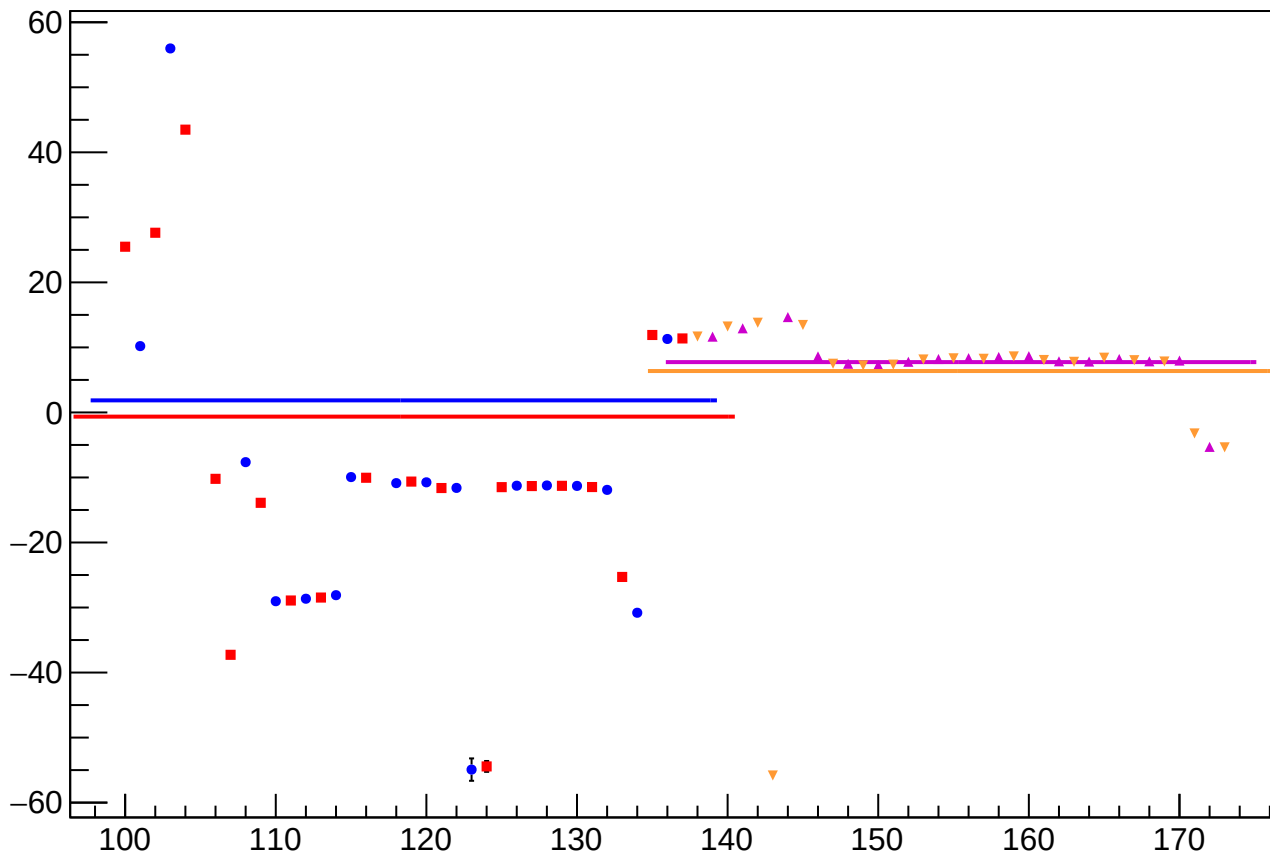
Right: 11.816 ± 0.468 $\chi^2/\text{NDF}: 1021.8/35$

In: -0.041 ± 0.280 $\chi^2/\text{NDF}: 1007.2/33$

Out: 0.588 ± 0.273 $\chi^2/\text{NDF}: 1320.7/37$

All: 0.281 ± 0.195 $\chi^2/\text{NDF}: 2330.5/71$

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.855 ± 0.037 χ^2/NDF : 359414.1/16

Left Out: 6.367 ± 0.014 χ^2/NDF : 320881.7/18

Right Out: -0.644 ± 0.037 χ^2/NDF : 361625.7/18

Left In: 7.740 ± 0.014 χ^2/NDF : 83250.6/16

Left: 7.044 ± 0.010 χ^2/NDF : 408995.1/35

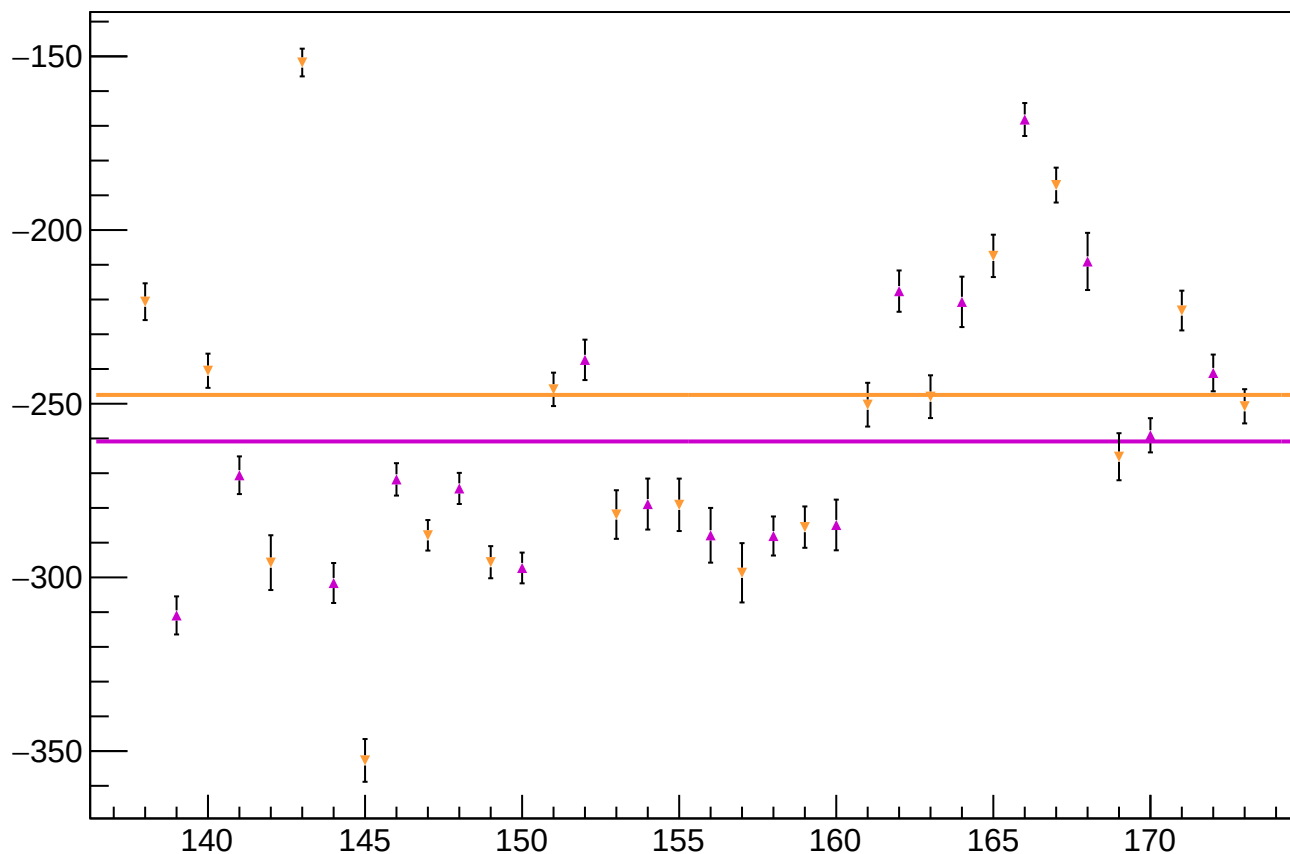
Right: 0.608 ± 0.026 χ^2/NDF : 723318.4/35

In: 7.002 ± 0.013 χ^2/NDF : 464788.5/33

Out: 5.510 ± 0.013 χ^2/NDF : 713936.6/37

All: 6.247 ± 0.009 χ^2/NDF : 1185276.9/71

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: -247.464+/-1.274 χ^2/NDF :1457.7/18

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

Left In: -260.860+/-1.358 χ^2/NDF :806.8/16

Left: -253.739+/-0.929 χ^2/NDF : 2316.3/35

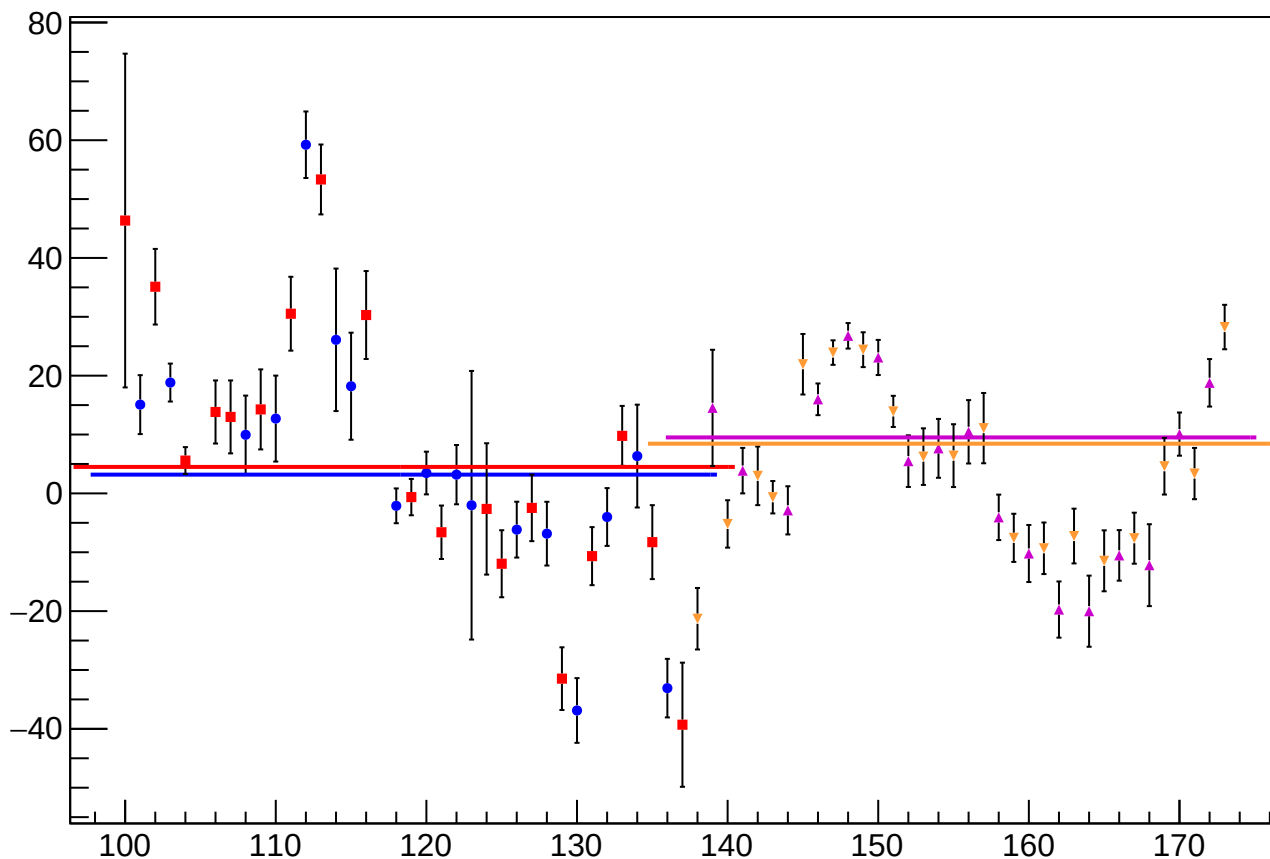
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -260.860+/-1.358 χ^2/NDF :806.8/16

Out: -247.464+/-1.274 χ^2/NDF :1457.7/18

All: -253.739+/-0.929 χ^2/NDF : 2316.3/35

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: 8.443 ± 0.871 χ^2/NDF : 253.3/18

Right Out: 4.497 ± 1.160 χ^2/NDF : 225.4/18

Left In: 9.509 ± 0.946 χ^2/NDF : 229.4/16

Left: 8.932 ± 0.641 χ^2/NDF : 483.4/35

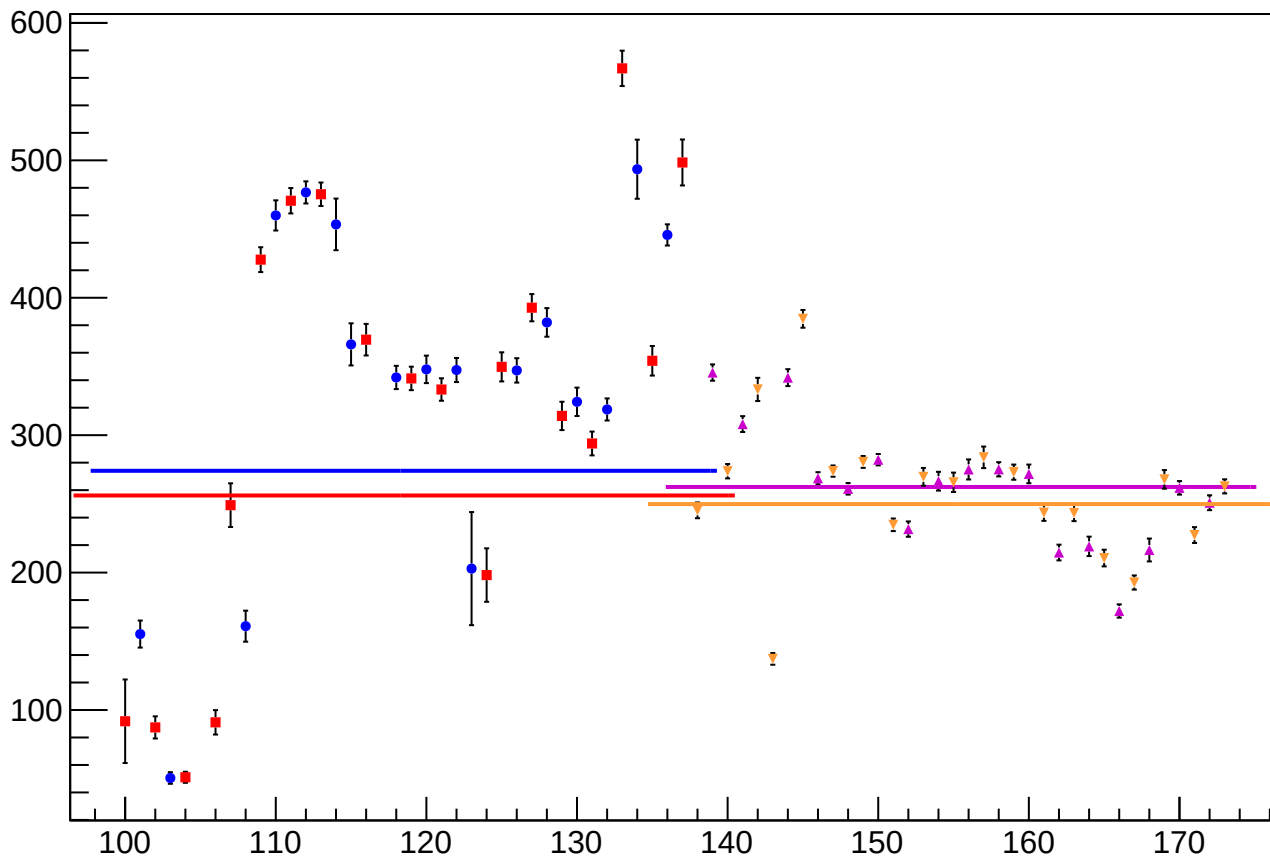
Right: 3.879 ± 0.842 χ^2/NDF : 481.7/35

In: 7.149 ± 0.749 χ^2/NDF : 501.7/33

Out: 7.019 ± 0.697 χ^2/NDF : 486.1/37

All: 7.079 ± 0.510 χ^2/NDF : 987.8/71

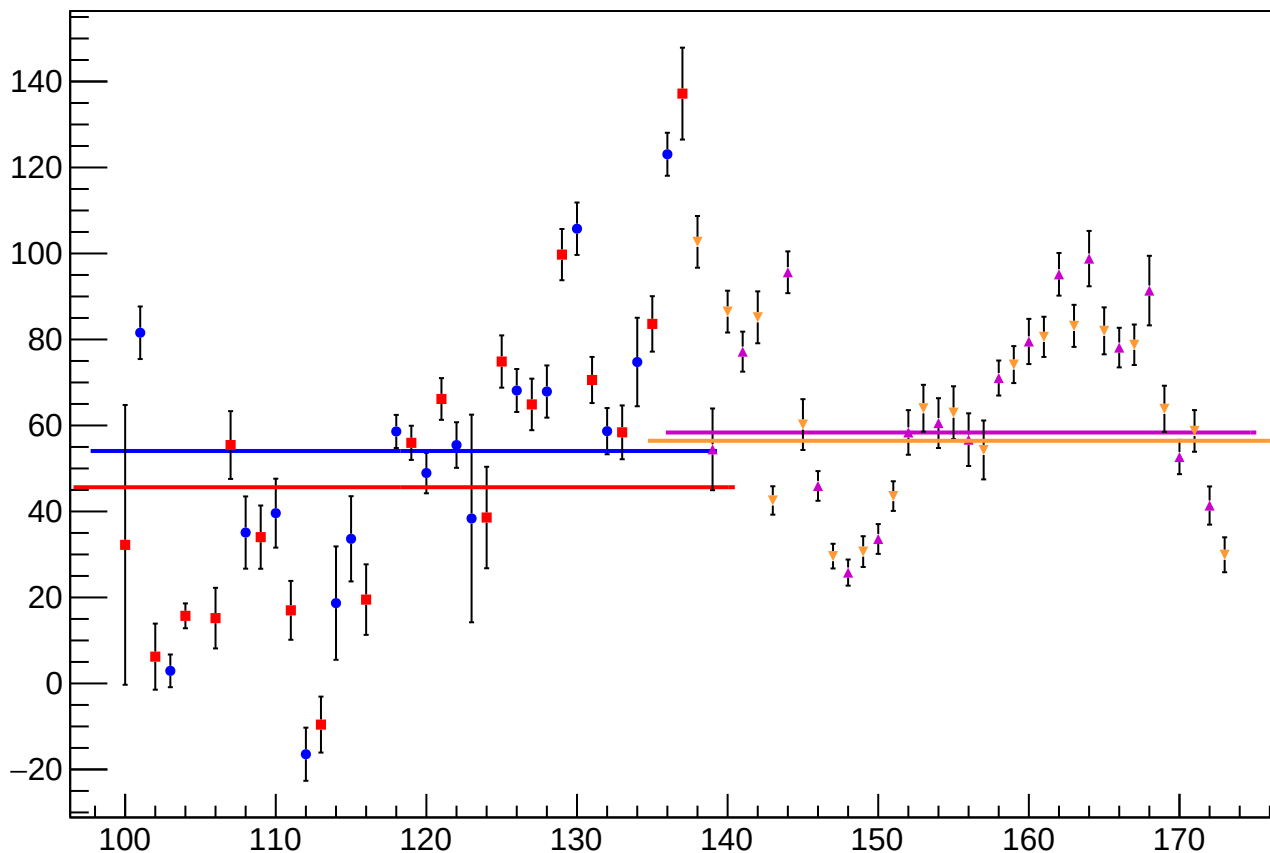
reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 274.079+/-2.191 χ^2/NDF : 5112.0/16
 Left Out: 249.845+/-1.265 χ^2/NDF : 1597.4/18
 Right Out: 256.109+/-2.080 χ^2/NDF : 6444.1/18
 Left In: 262.302+/-1.331 χ^2/NDF : 984.8/16

Left: 255.760+/-0.917 χ^2/NDF : 2628.2/35
 Right: 264.628+/-1.509 χ^2/NDF : 11591.4/35
 In: 265.475+/-1.137 χ^2/NDF : 6117.9/33
 Out: 251.537+/-1.081 χ^2/NDF : 8048.1/37
 All: 258.153+/-0.784 χ^2/NDF : 14244.8/71

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: 56.439 $\pm$ 1.031 χ^2 /NDF:457.0/18

Right Out: 45.637 $\pm$ 1.359 χ^2 /NDF: 530.8/18

Left In: 58.364 $\pm$ 1.114 χ^2 /NDF:426.9/16

Left: 57.327 $\pm$ 0.756 χ^2 /NDF: 885.5/35

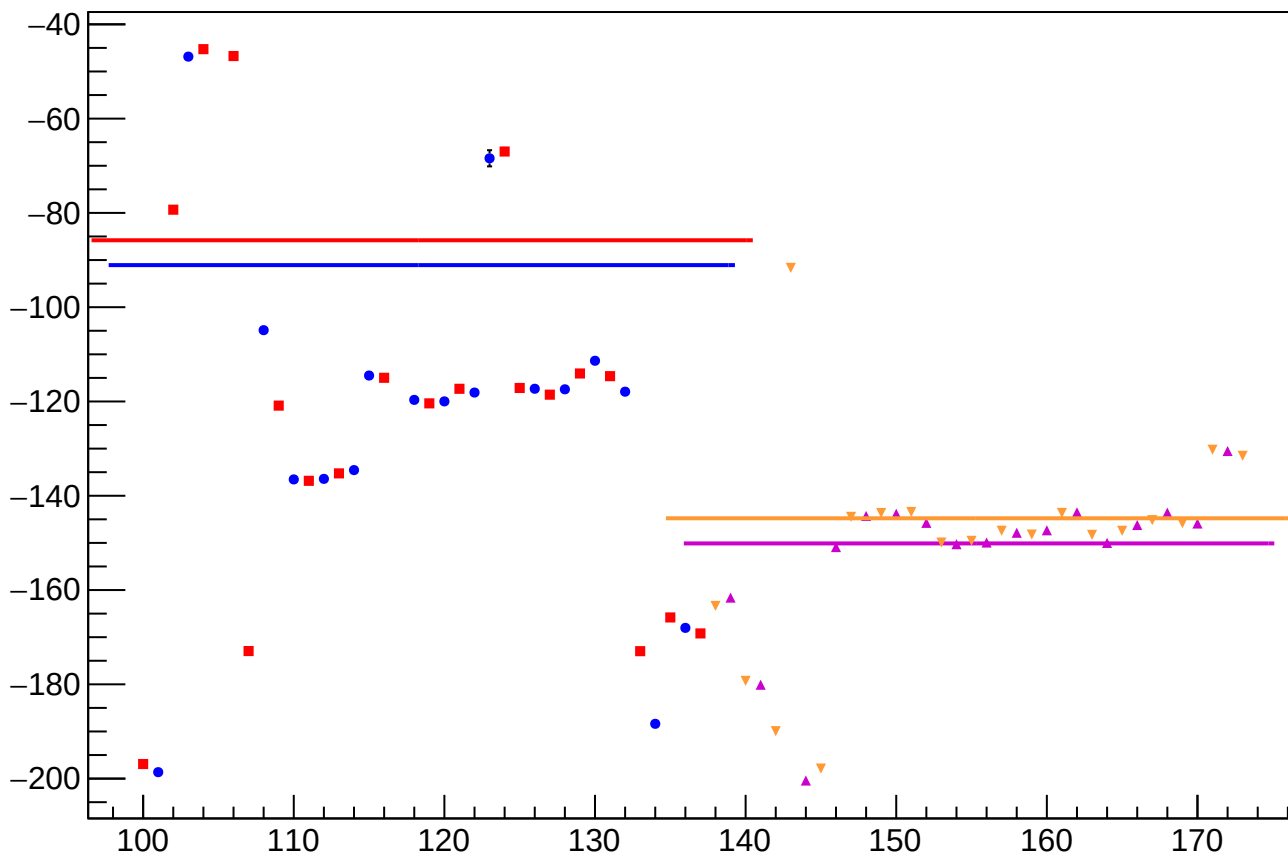
Right: 49.665 $\pm$ 0.982 χ^2 /NDF: 1183.6/35

In: 56.728 $\pm$ 0.876 χ^2 /NDF:1067.0/33

Out: 52.494 $\pm$ 0.821 χ^2 /NDF:1027.9/37

All: 54.474 $\pm$ 0.599 χ^2 /NDF: 2107.2/71

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -91.074 $\pm$ 0.068 χ^2 /NDF: 534647.5/16

Left Out: -144.777 $\pm$ 0.050 χ^2 /NDF:198923.2/18

Right Out: -85.803 $\pm$ 0.065 χ^2 /NDF: 495895.1/18

Left In: -150.111 $\pm$ 0.053 χ^2 /NDF:69852.5/16

Left: -147.317 $\pm$ 0.036 χ^2 /NDF: 274161.5/35

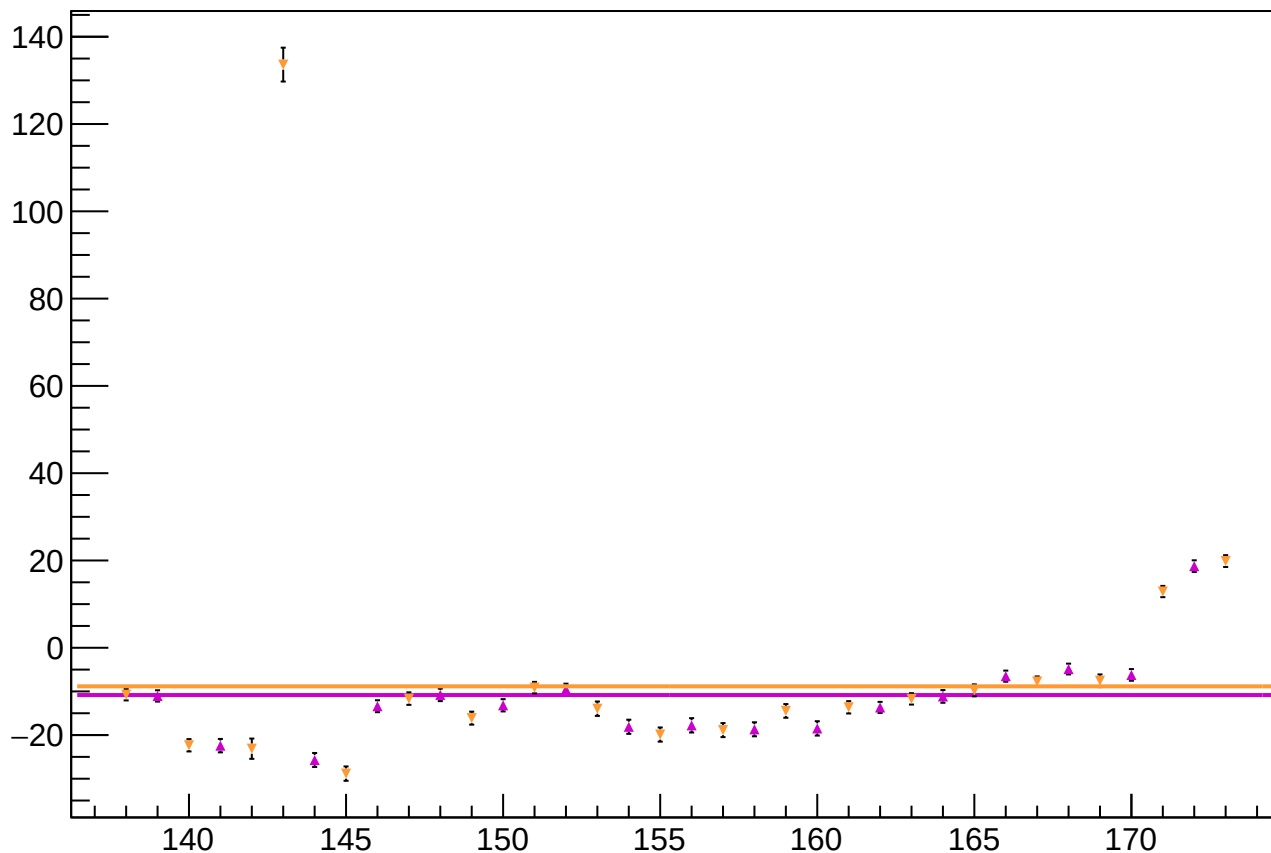
Right: -88.339 $\pm$ 0.047 χ^2 /NDF: 1033703.0/35

In: -127.819 $\pm$ 0.041 χ^2 /NDF:1080207.8/33

Out: -122.787 $\pm$ 0.040 χ^2 /NDF:1210410.7/37

All: -125.193 $\pm$ 0.029 χ^2 /NDF: 2298292.4/71

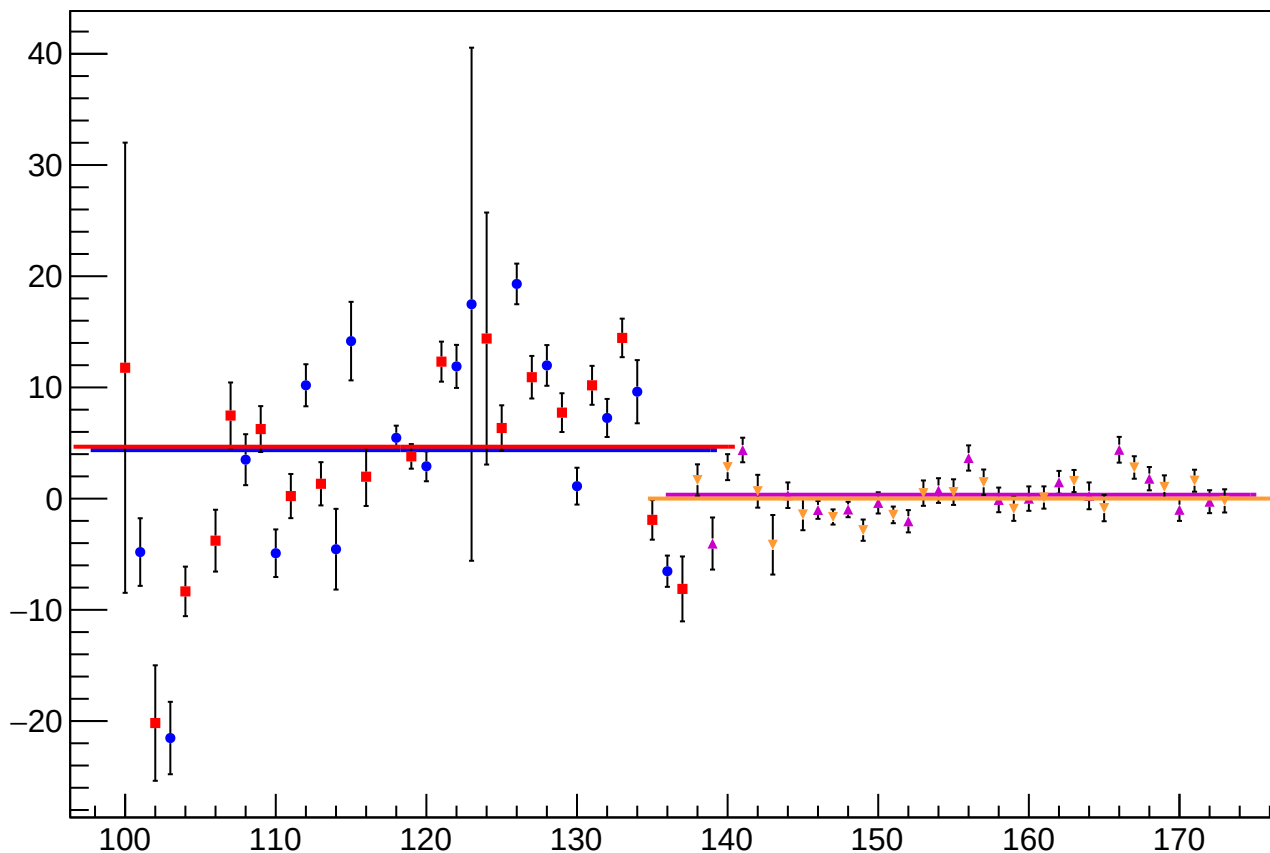
reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -8.834+/-0.339 χ^2/NDF : 2512.7/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -10.827+/-0.343 χ^2/NDF : 774.0/16

Left: -9.818+/-0.241 χ^2/NDF : 3303.9/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -10.827+/-0.343 χ^2/NDF : 774.0/16
 Out: -8.834+/-0.339 χ^2/NDF : 2512.7/18
 All: -9.818+/-0.241 χ^2/NDF : 3303.9/35

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.361 ± 0.464 $\chi^2/\text{NDF}: 286.5/16$

Left Out: 0.007 ± 0.242 $\chi^2/\text{NDF}: 46.6/18$

Right Out: 4.670 ± 0.474 $\chi^2/\text{NDF}: 185.4/18$

Left In: 0.351 ± 0.250 $\chi^2/\text{NDF}: 55.9/16$

Left: 0.173 ± 0.174 $\chi^2/\text{NDF}: 103.5/35$

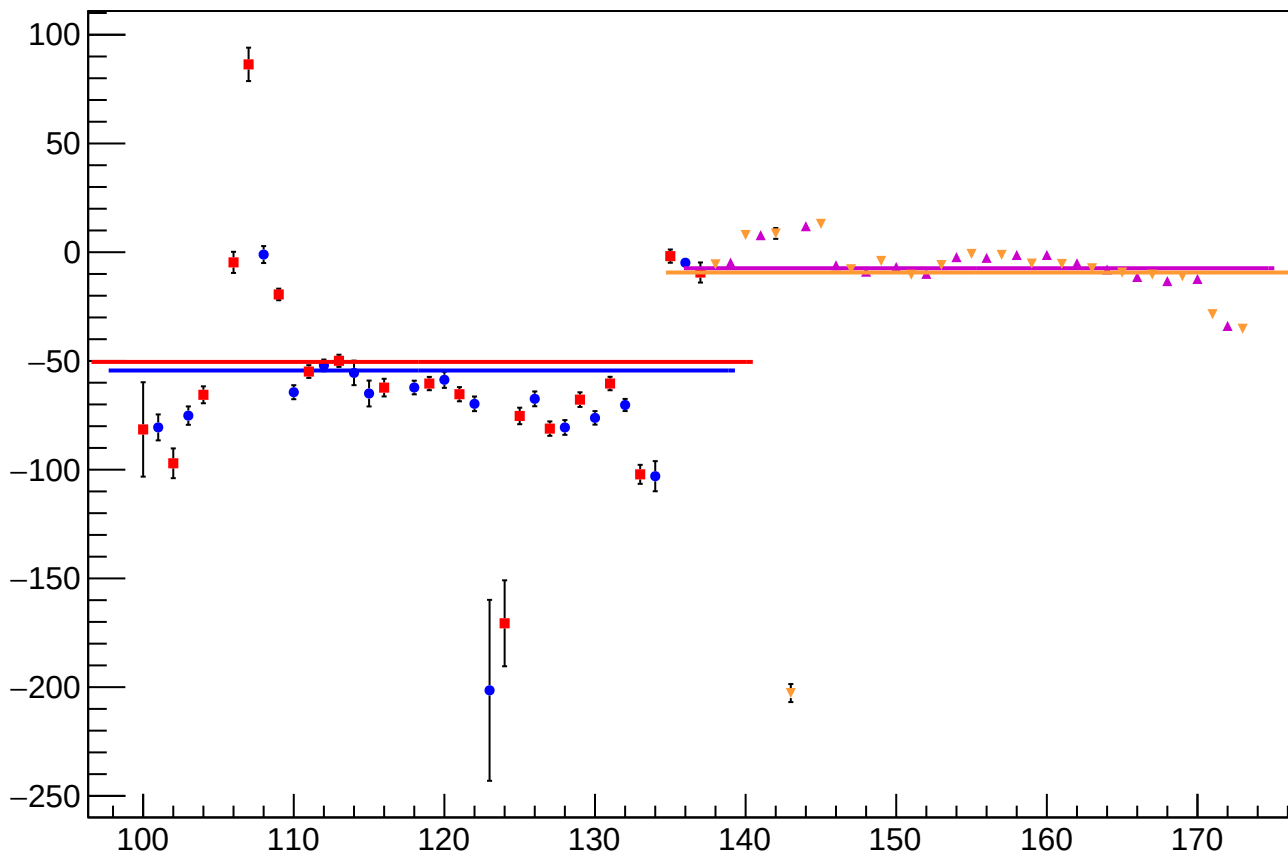
Right: 4.512 ± 0.332 $\chi^2/\text{NDF}: 472.1/35$

In: 1.254 ± 0.220 $\chi^2/\text{NDF}: 400.2/33$

Out: 0.971 ± 0.216 $\chi^2/\text{NDF}: 308.7/37$

All: 1.109 ± 0.154 $\chi^2/\text{NDF}: 709.8/71$

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: -9.329 ± 0.334 $\chi^2/\text{NDF}: 3197.4/18$

Right Out: -50.441 ± 0.857 $\chi^2/\text{NDF}: 1324.7/18$

Left In: -7.369 ± 0.337 $\chi^2/\text{NDF}: 703.7/16$

Left: -8.357 ± 0.237 $\chi^2/\text{NDF}: 3918.1/35$

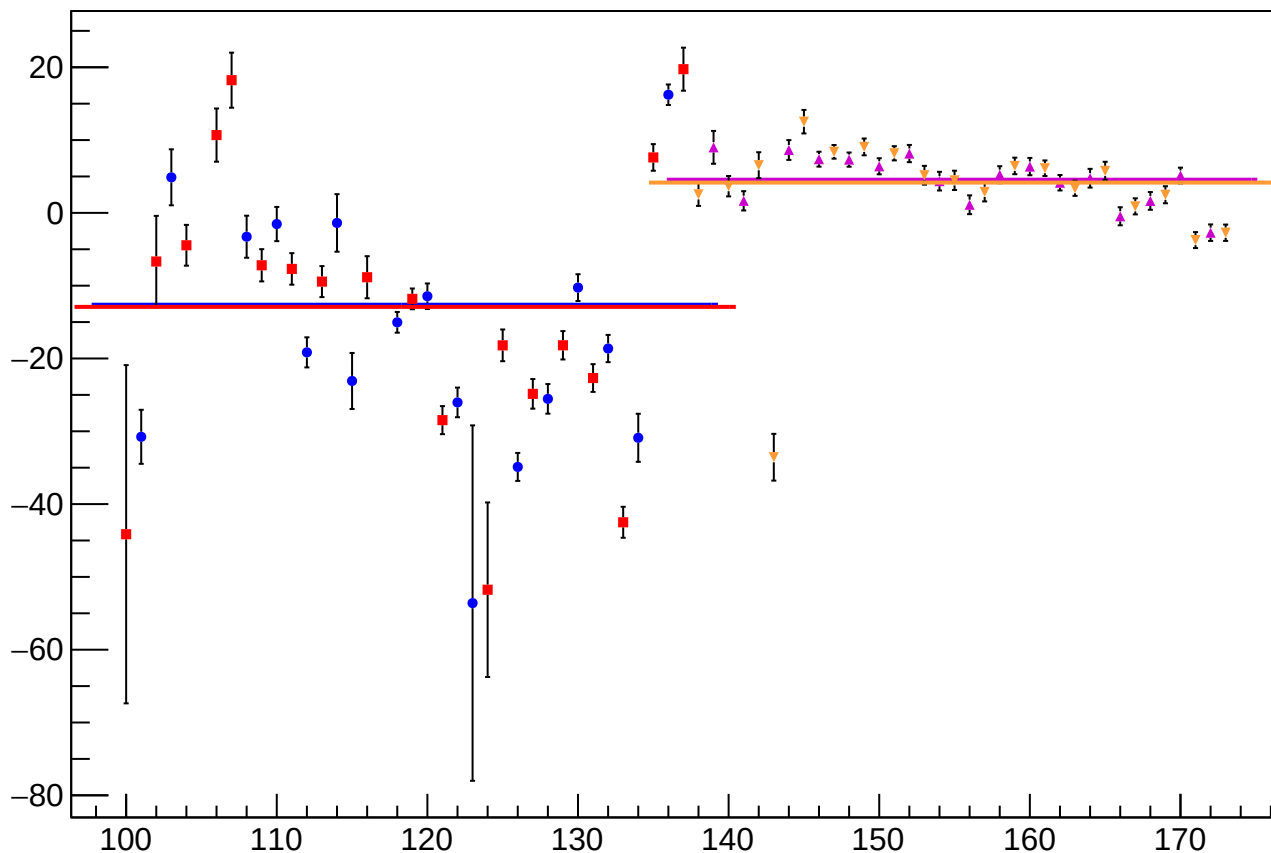
Right: -52.405 ± 0.608 $\chi^2/\text{NDF}: 2348.7/35$

In: -13.597 ± 0.314 $\chi^2/\text{NDF}: 4295.7/33$

Out: -14.750 ± 0.311 $\chi^2/\text{NDF}: 6518.1/37$

All: -14.178 ± 0.221 $\chi^2/\text{NDF}: 10820.6/71$

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: 4.163 ± 0.280 χ^2/NDF : 334.7/18

Right Out: -12.912 ± 0.538 χ^2/NDF : 730.2/18

Left In: 4.558 ± 0.289 χ^2/NDF : 119.0/16

Left: 4.354 ± 0.201 χ^2/NDF : 454.6/35

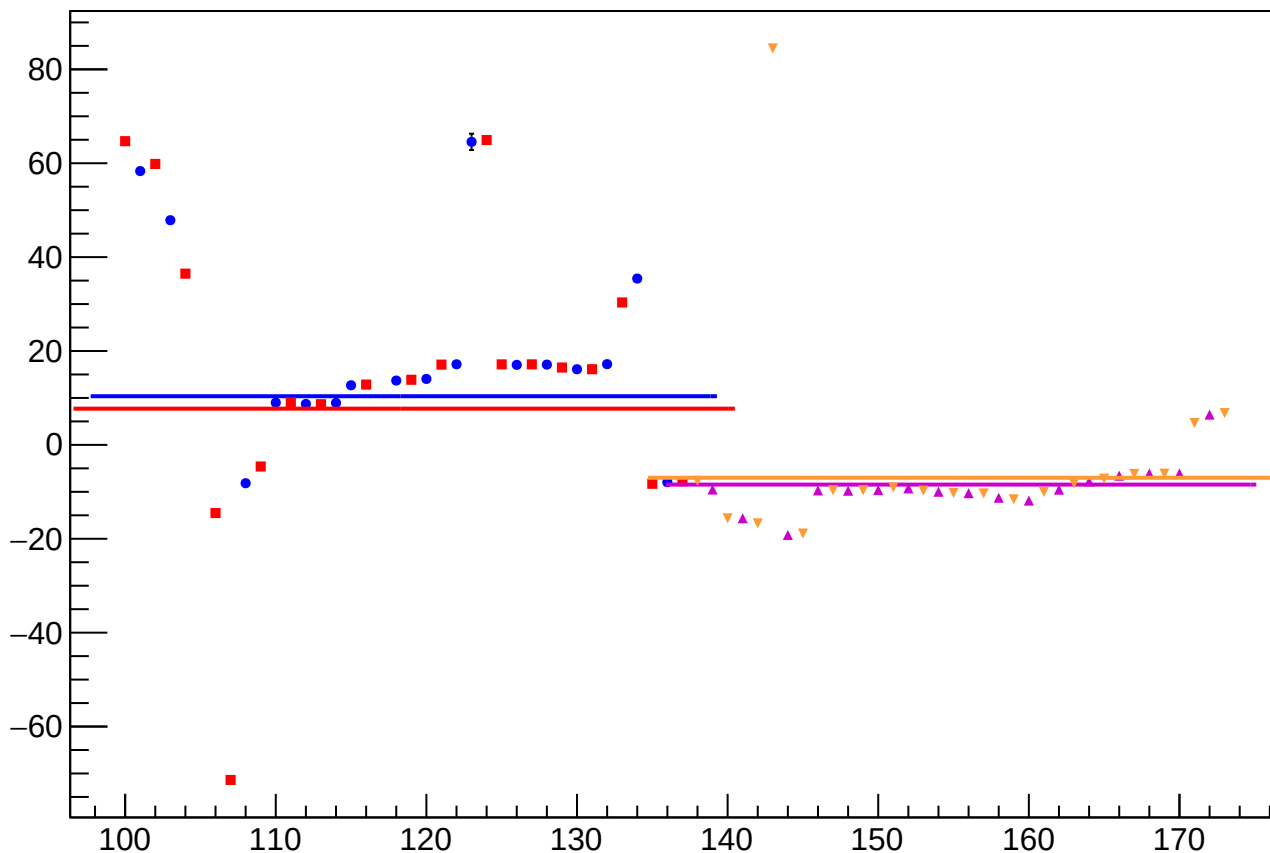
Right: -12.762 ± 0.378 χ^2/NDF : 1518.6/35

In: 0.617 ± 0.254 χ^2/NDF : 1715.7/33

Out: 0.530 ± 0.248 χ^2/NDF : 1857.3/37

All: 0.573 ± 0.178 χ^2/NDF : 3573.1/71

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.366+/-0.031 χ^2/NDF : 381003.5/16

Left Out: -7.005+/-0.013 χ^2/NDF : 527001.8/18

Right Out: 7.719+/-0.031 χ^2/NDF : 545085.7/18

Left In: -8.460+/-0.013 χ^2/NDF : 144489.1/16

Left: -7.723+/-0.009 χ^2/NDF : 677745.5/35

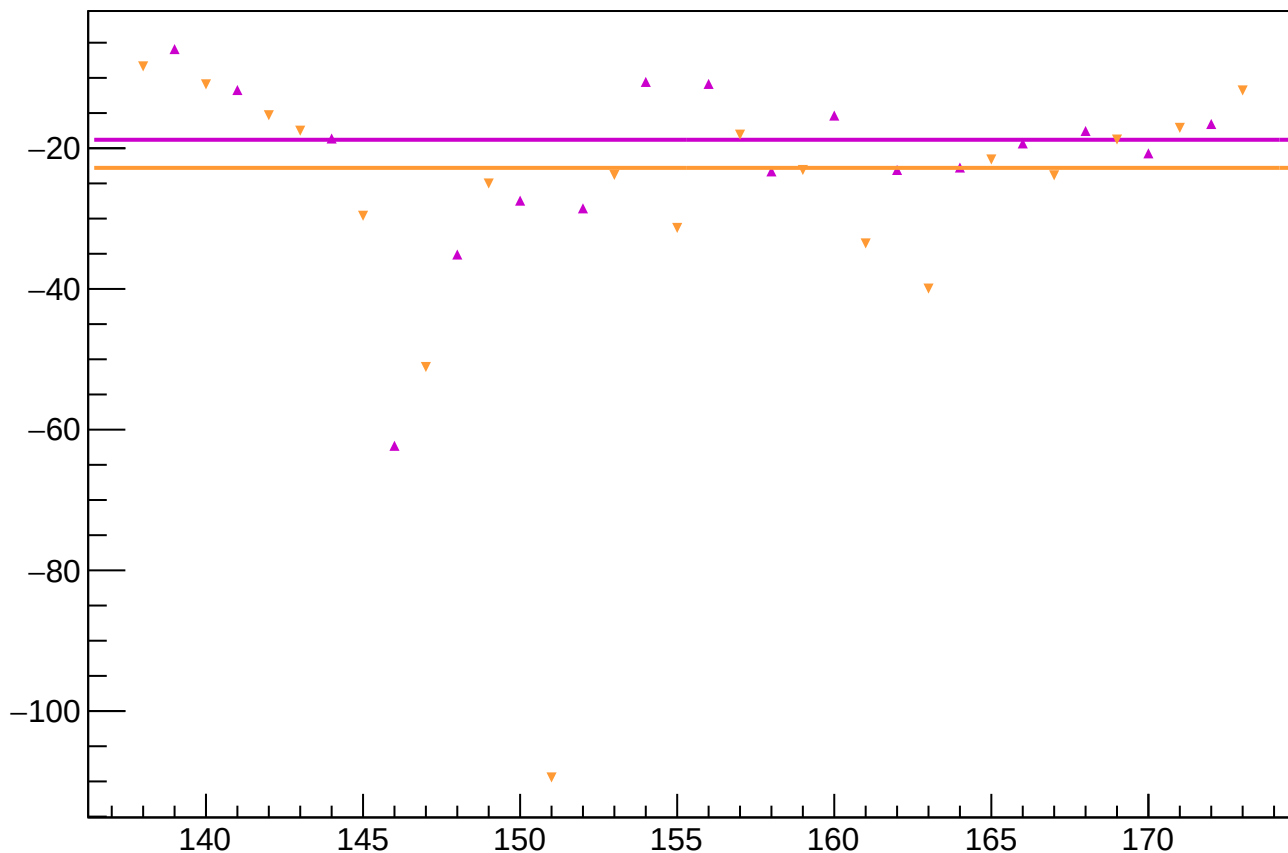
Right: 9.073+/-0.022 χ^2/NDF : 929756.2/35

In: -5.538+/-0.012 χ^2/NDF : 846567.3/33

Out: -4.855+/-0.012 χ^2/NDF : 1261609.7/37

All: -5.194+/-0.008 χ^2/NDF : 2109799.4/71

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: -22.792+/-0.054 χ^2/NDF :62475.0/18

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

Left In: -18.797+/-0.049 χ^2/NDF :38148.0/16

Left: -20.612+/-0.036 χ^2/NDF : 103657.0/35

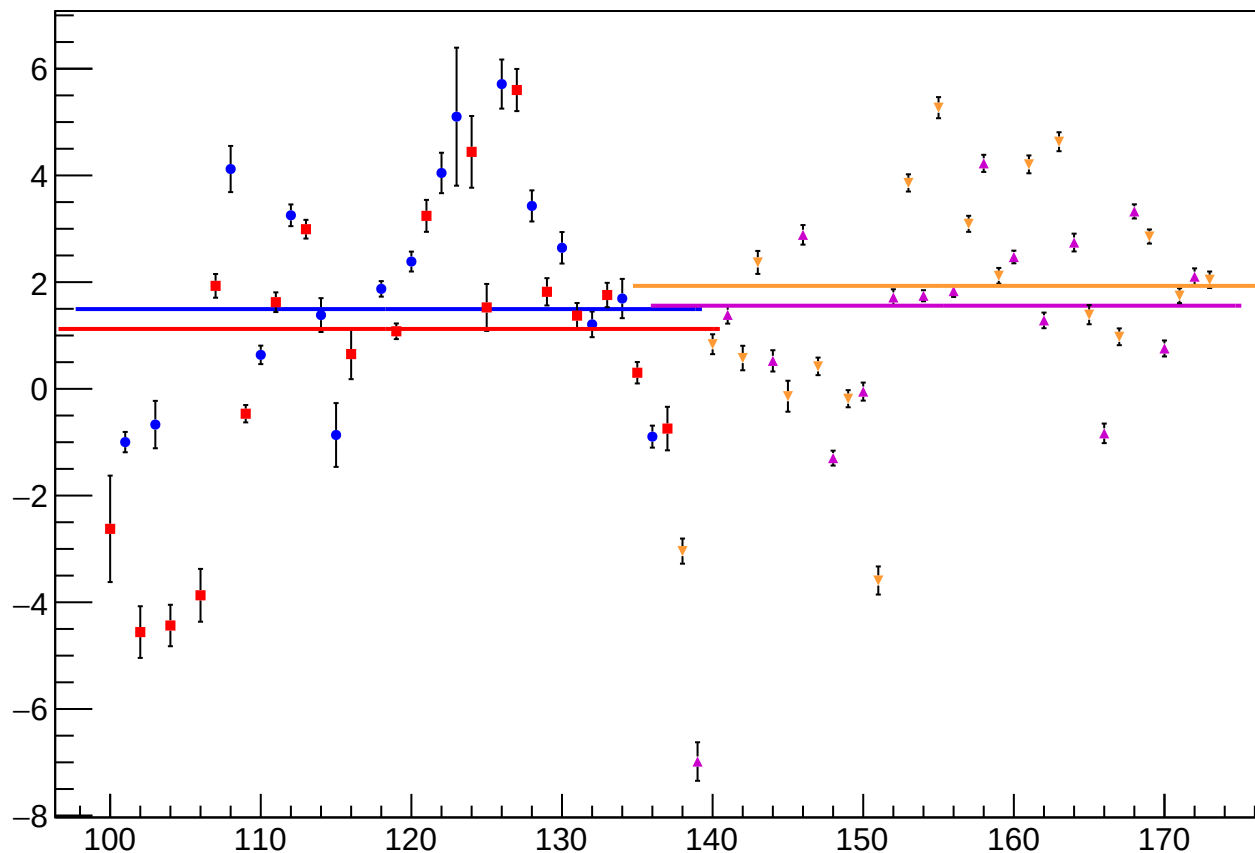
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.797+/-0.049 χ^2/NDF :38148.0/16

Out: -22.792+/-0.054 χ^2/NDF :62475.0/18

All: -20.612+/-0.036 χ^2/NDF : 103657.0/35

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.495 $\pm$ 0.061 χ^2 /NDF: 708.8/16

Left Out: 1.930 $\pm$ 0.040 χ^2 /NDF:2270.3/18

Right Out: 1.123 $\pm$ 0.058 χ^2 /NDF: 946.5/18

Left In: 1.559 $\pm$ 0.036 χ^2 /NDF:1937.5/16

Left: 1.726 $\pm$ 0.027 χ^2 /NDF: 4255.7/35

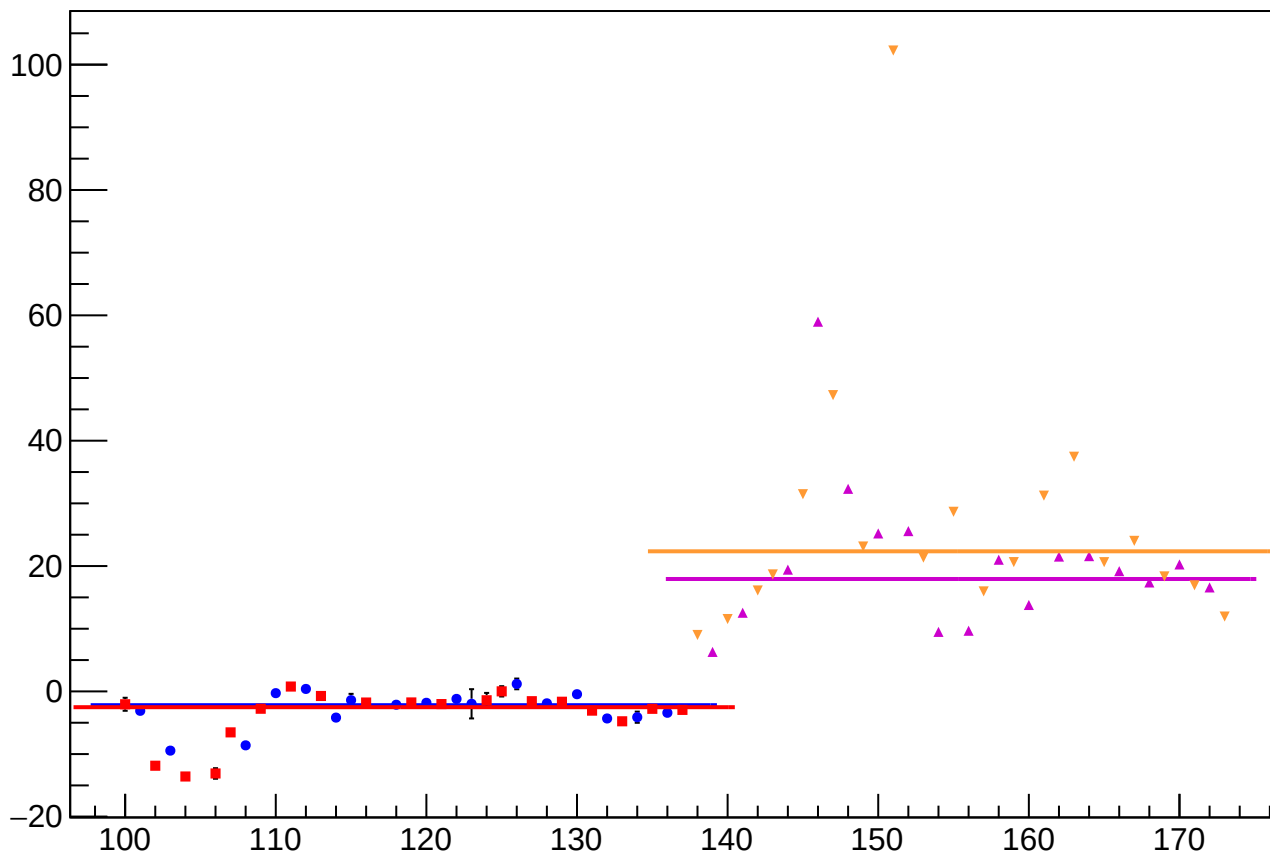
Right: 1.300 $\pm$ 0.042 χ^2 /NDF: 1674.8/35

In: 1.542 $\pm$ 0.031 χ^2 /NDF:2647.1/33

Out: 1.673 $\pm$ 0.033 χ^2 /NDF:3348.0/37

All: 1.604 $\pm$ 0.023 χ^2 /NDF: 6003.4/71

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: 22.351 ± 0.053 χ^2/NDF : 55670.9/18

Right Out: -2.520 ± 0.099 χ^2/NDF : 903.3/18

Left In: 17.935 ± 0.048 χ^2/NDF : 35940.8/16

Left: 19.905 ± 0.035 χ^2/NDF : 95449.6/35

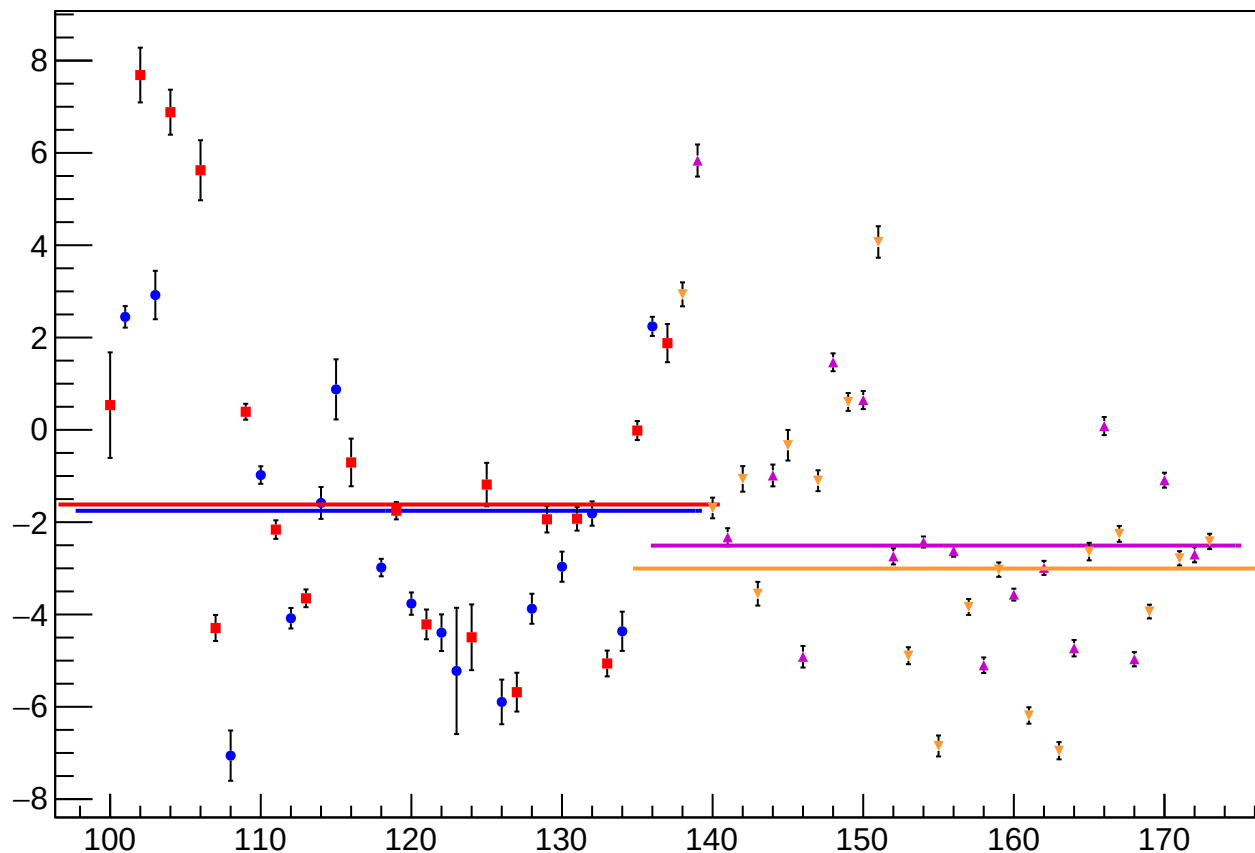
Right: -2.378 ± 0.074 χ^2/NDF : 1368.9/35

In: 14.785 ± 0.044 χ^2/NDF : 64367.5/33

Out: 16.798 ± 0.047 χ^2/NDF : 105644.8/37

All: 15.725 ± 0.032 χ^2/NDF : 171000.8/71

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.753 ± 0.070 χ^2/NDF : 1345.0/16

Left Out: -3.004 ± 0.045 χ^2/NDF : 2784.6/18

Right Out: -1.617 ± 0.066 χ^2/NDF : 1487.5/18

Left In: -2.508 ± 0.041 χ^2/NDF : 2381.0/16

Left: -2.732 ± 0.030 χ^2/NDF : 5232.6/35

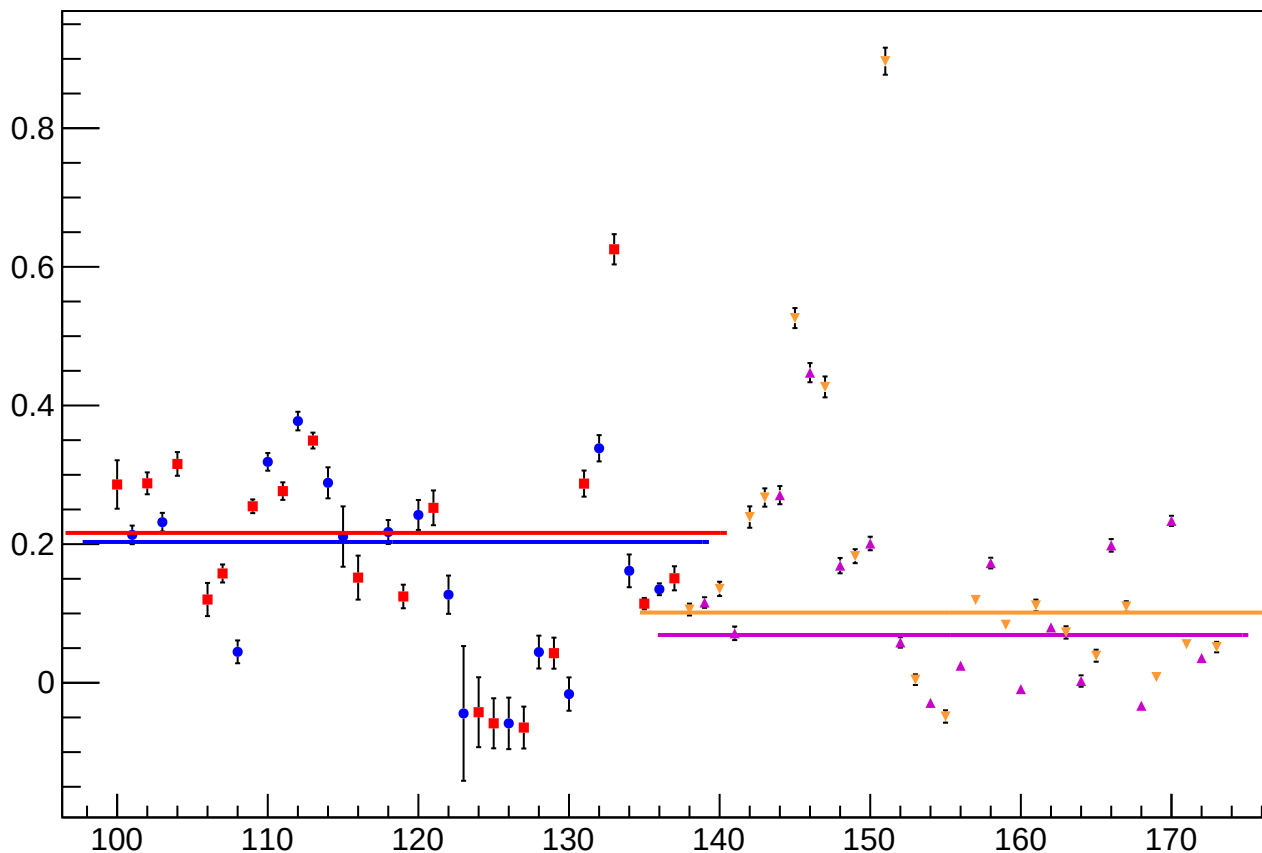
Right: -1.681 ± 0.048 χ^2/NDF : 2834.6/35

In: -2.318 ± 0.035 χ^2/NDF : 3812.2/33

Out: -2.562 ± 0.037 χ^2/NDF : 4575.6/37

All: -2.434 ± 0.026 χ^2/NDF : 8410.7/71

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Left: 0.083 $\pm$ 0.001 χ^2 /NDF: 7454.3/35

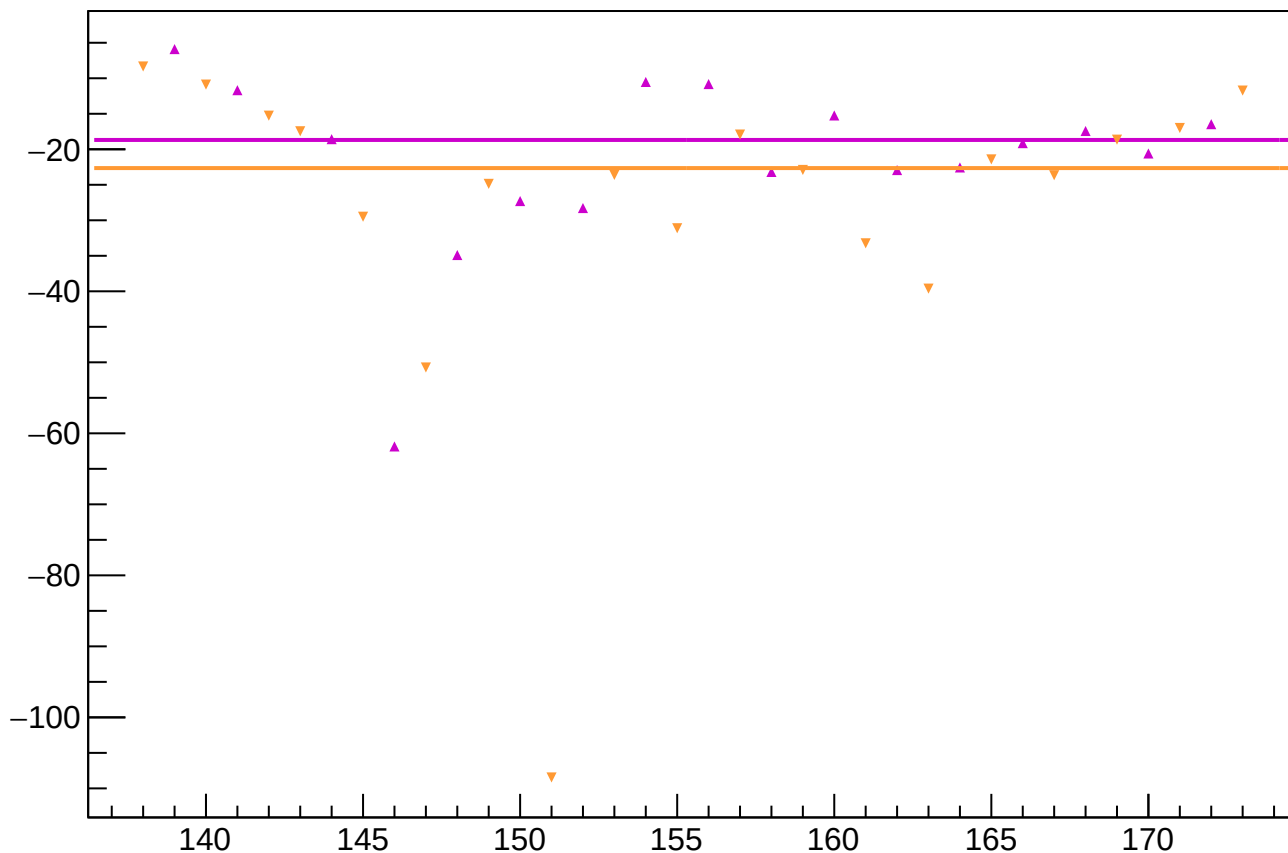
Right: 0.210 $\pm$ 0.003 χ^2 /NDF: 1750.0/35

In: 0.090 $\pm$ 0.002 χ^2 /NDF: 4775.3/33

Out: 0.128 $\pm$ 0.002 χ^2 /NDF: 5914.9/37

All: 0.107 $\pm$ 0.001 χ^2 /NDF: 10936.8/71

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -22.648+/-0.053 χ^2/NDF :62287.8/18

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

Left In: -18.687+/-0.049 χ^2/NDF :38060.1/16

Left: -20.487+/-0.036 χ^2/NDF : 103370.2/35

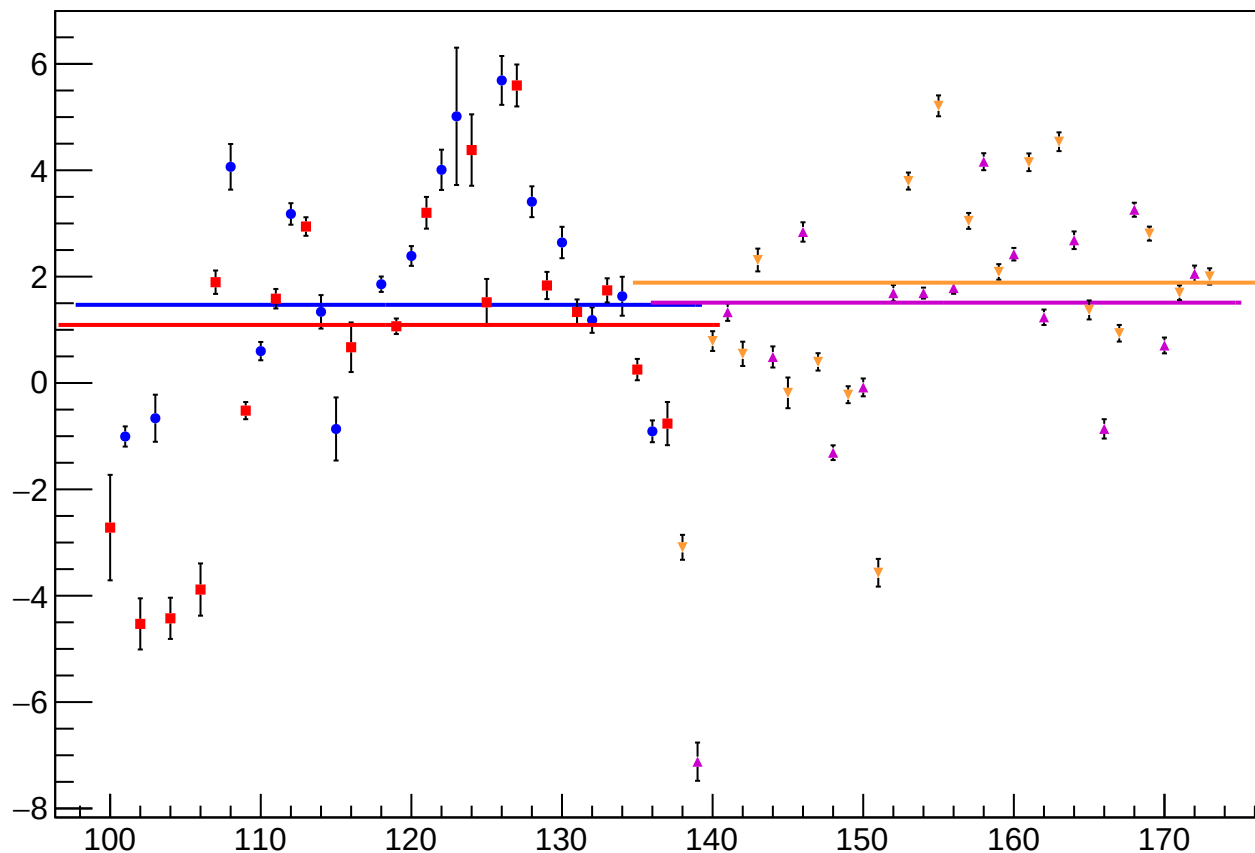
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.687+/-0.049 χ^2/NDF :38060.1/16

Out: -22.648+/-0.053 χ^2/NDF :62287.8/18

All: -20.487+/-0.036 χ^2/NDF : 103370.2/35

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.470 $\pm$ 0.061 χ^2 /NDF: 707.9/16

Left Out: 1.887 $\pm$ 0.040 χ^2 /NDF:2269.9/18

Right Out: 1.092 $\pm$ 0.058 χ^2 /NDF: 952.1/18

Left In: 1.511 $\pm$ 0.036 χ^2 /NDF:1948.7/16

Left: 1.680 $\pm$ 0.027 χ^2 /NDF: 4268.4/35

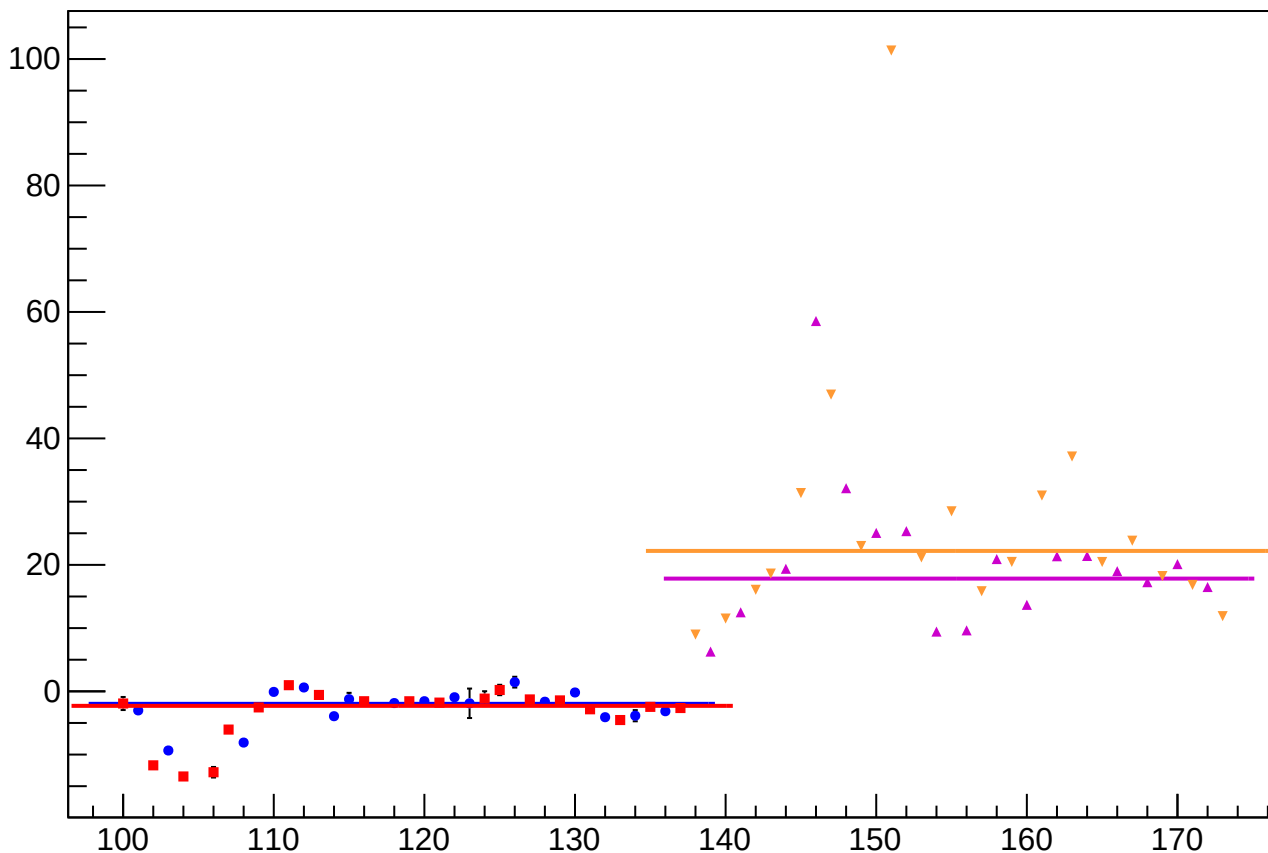
Right: 1.272 $\pm$ 0.042 χ^2 /NDF: 1680.2/35

In: 1.500 $\pm$ 0.031 χ^2 /NDF:2656.9/33

Out: 1.634 $\pm$ 0.033 χ^2 /NDF:3350.5/37

All: 1.563 $\pm$ 0.022 χ^2 /NDF: 6016.3/71

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: 22.208 ± 0.053 χ^2/NDF : 55523.9/18

Right Out: -2.294 ± 0.098 χ^2/NDF : 906.6/18

Left In: 17.830 ± 0.047 χ^2/NDF : 35864.7/16

Left: 19.784 ± 0.035 χ^2/NDF : 95209.6/35

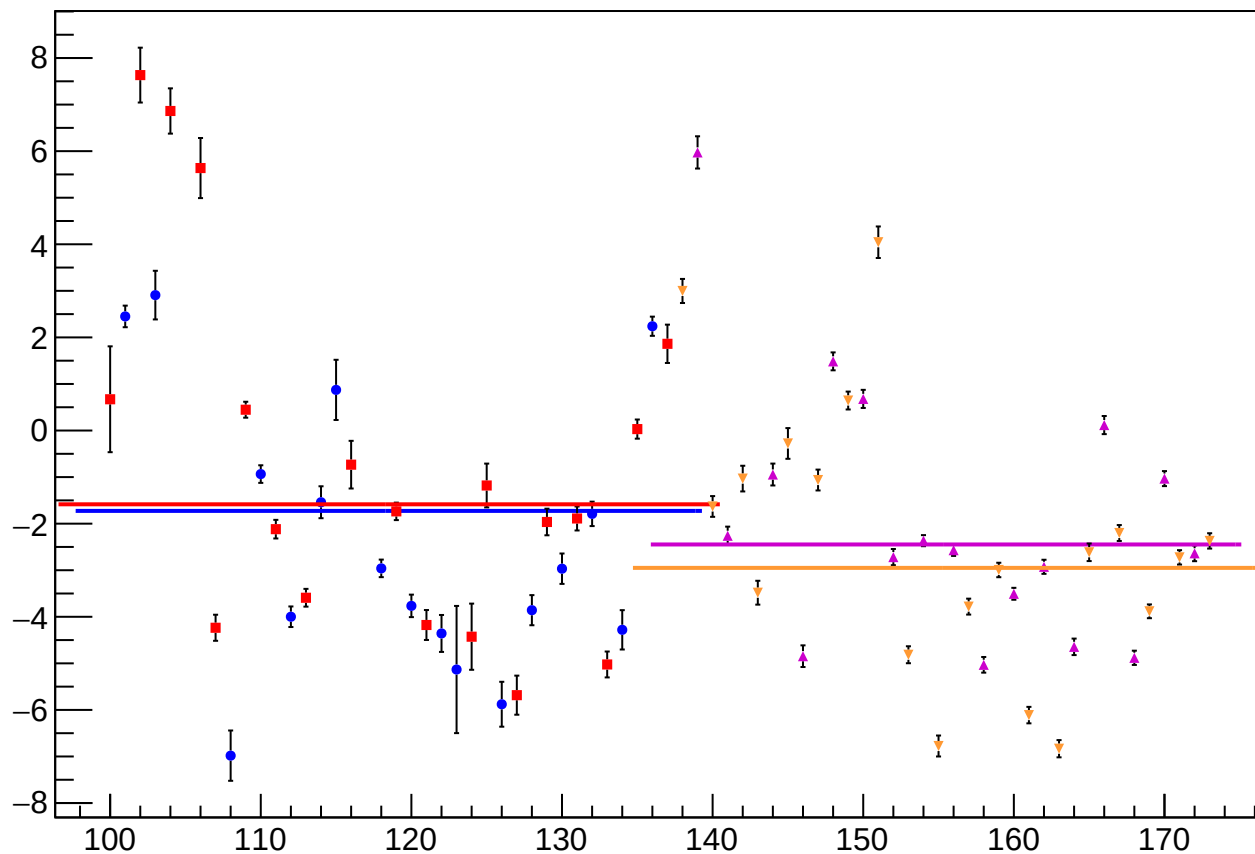
Right: -2.153 ± 0.073 χ^2/NDF : 1375.0/35

In: 14.739 ± 0.043 χ^2/NDF : 63670.5/33

Out: 16.748 ± 0.046 χ^2/NDF : 104591.5/37

All: 15.677 ± 0.032 χ^2/NDF : 169259.5/71

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: -2.950 ± 0.045 χ^2/NDF : 2782.8/18

Right Out: -1.584 ± 0.065 χ^2/NDF : 1492.8/18

Left In: -2.447 ± 0.041 χ^2/NDF : 2392.9/16

Left: -2.674 ± 0.030 χ^2/NDF : 5245.2/35

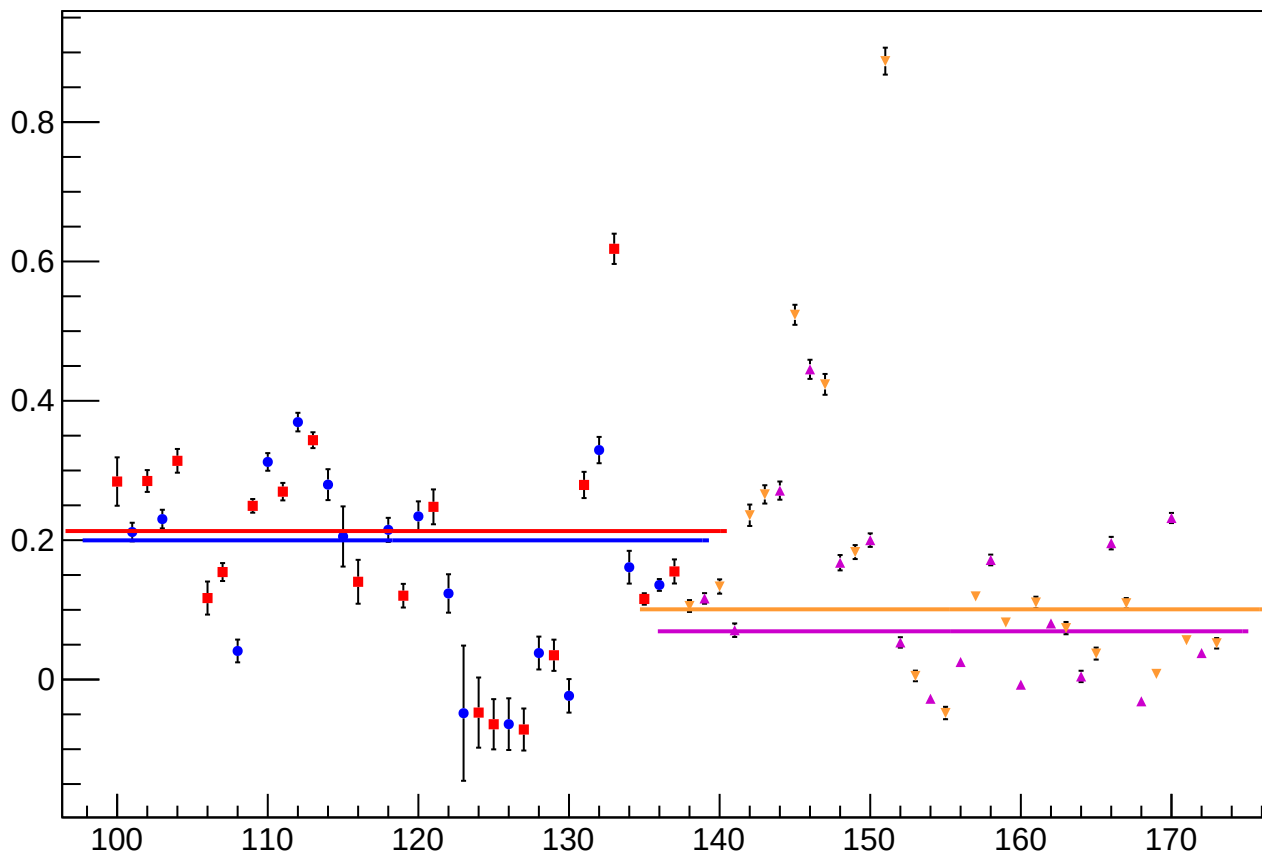
Right: -1.650 ± 0.048 χ^2/NDF : 2836.5/35

In: -2.266 ± 0.035 χ^2/NDF : 3813.9/33

Out: -2.516 ± 0.037 χ^2/NDF : 4572.8/37

All: -2.385 ± 0.025 χ^2/NDF : 8410.8/71

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: 0.101 $\pm$ 0.002 χ^2 /NDF: 4092.1/18

Right Out: 0.213 $\pm$ 0.004 χ^2 /NDF: 1050.9/18

Left In: 0.069 $\pm$ 0.002 χ^2 /NDF: 3181.6/16

Left: 0.083 $\pm$ 0.001 χ^2 /NDF: 7413.8/35

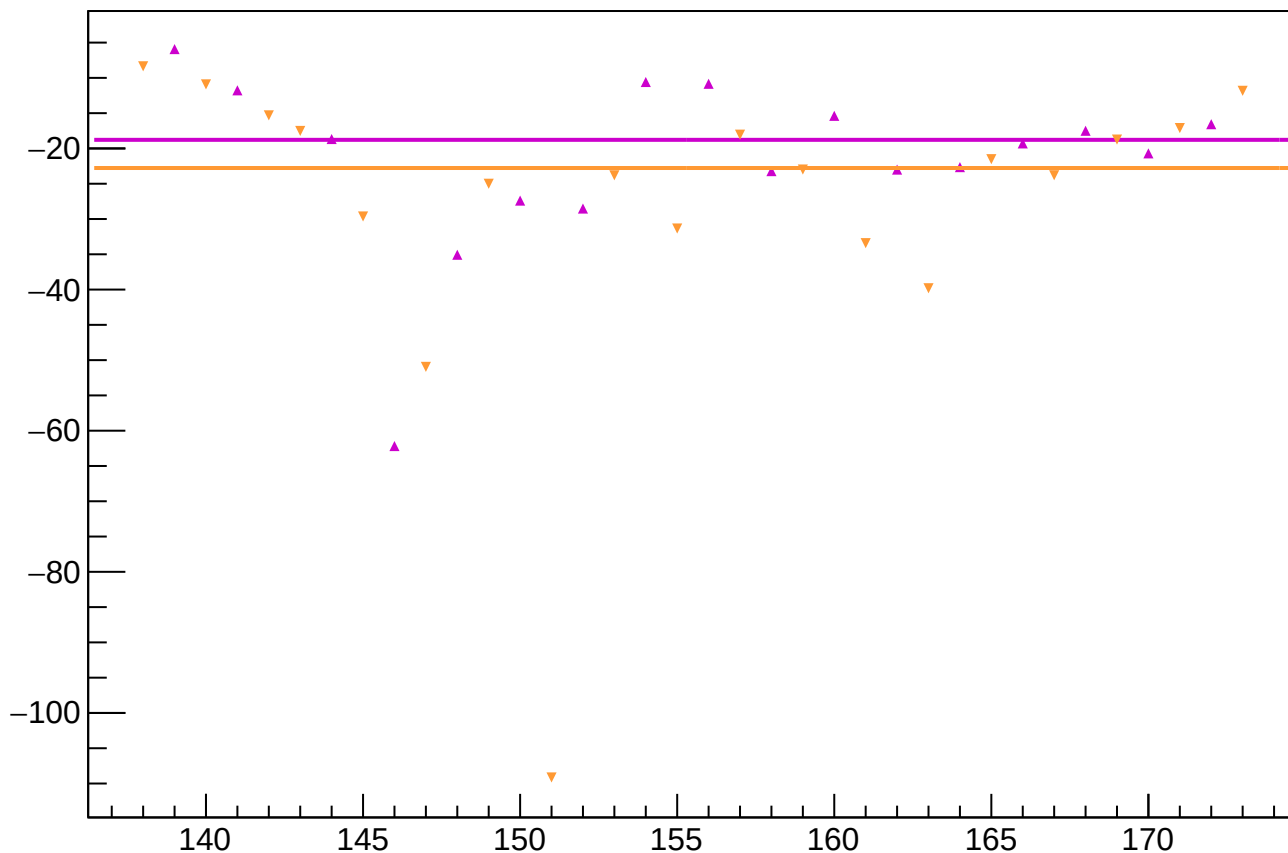
Right: 0.207 $\pm$ 0.003 χ^2 /NDF: 1719.2/35

In: 0.089 $\pm$ 0.002 χ^2 /NDF: 4695.2/33

Out: 0.126 $\pm$ 0.002 χ^2 /NDF: 5864.0/37

All: 0.106 $\pm$ 0.001 χ^2 /NDF: 10798.0/71

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: -22.772+/-0.053 χ^2/NDF :62401.0/18

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

Left In: -18.780+/-0.049 χ^2/NDF :38119.1/16

Left: -20.593+/-0.036 χ^2/NDF : 103565.7/35

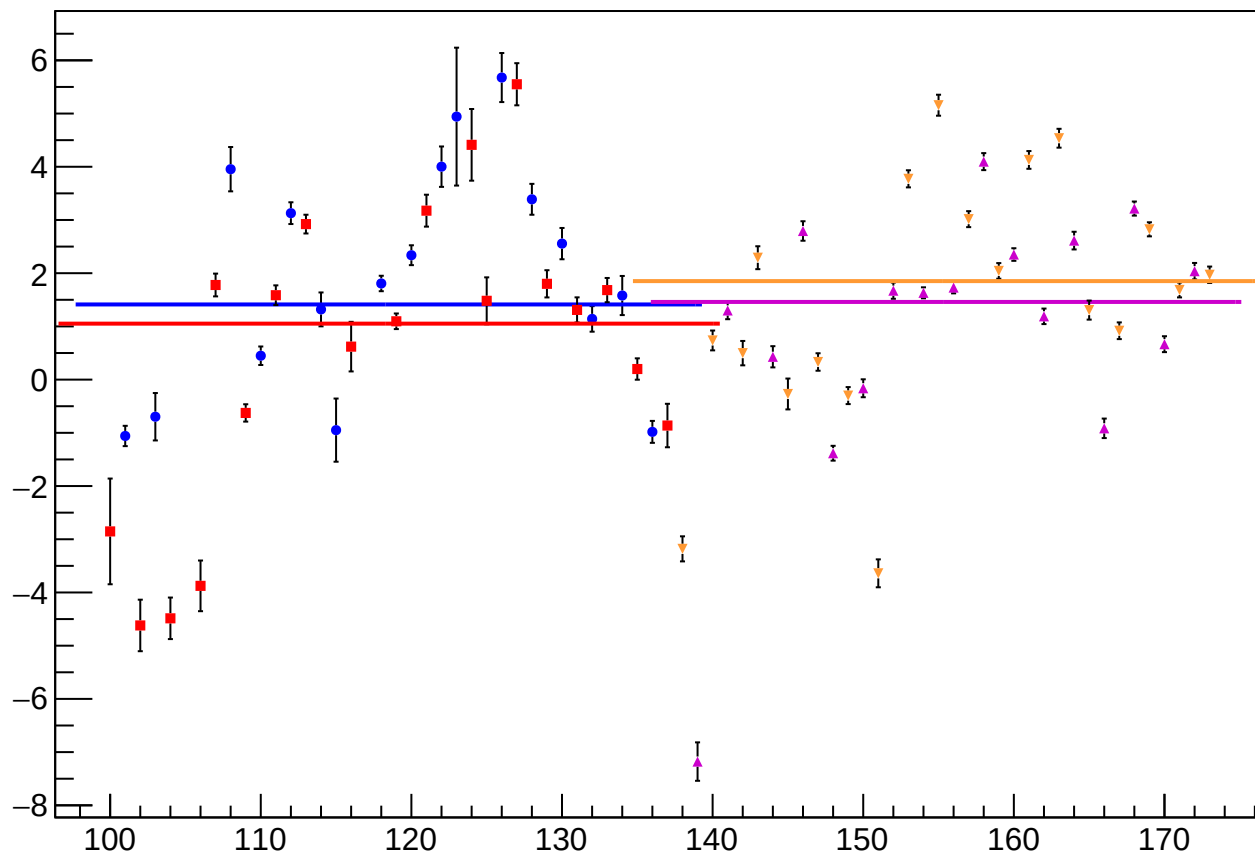
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.780+/-0.049 χ^2/NDF :38119.1/16

Out: -22.772+/-0.053 χ^2/NDF :62401.0/18

All: -20.593+/-0.036 χ^2/NDF : 103565.7/35

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.413 $\pm$ 0.061 χ^2/NDF : 713.9/16

Left Out: 1.851 $\pm$ 0.040 χ^2/NDF :2292.2/18

Right Out: 1.052 $\pm$ 0.058 χ^2/NDF : 963.3/18

Left In: 1.460 $\pm$ 0.036 χ^2/NDF :1939.6/16

Left: 1.636 $\pm$ 0.027 χ^2/NDF : 4285.3/35

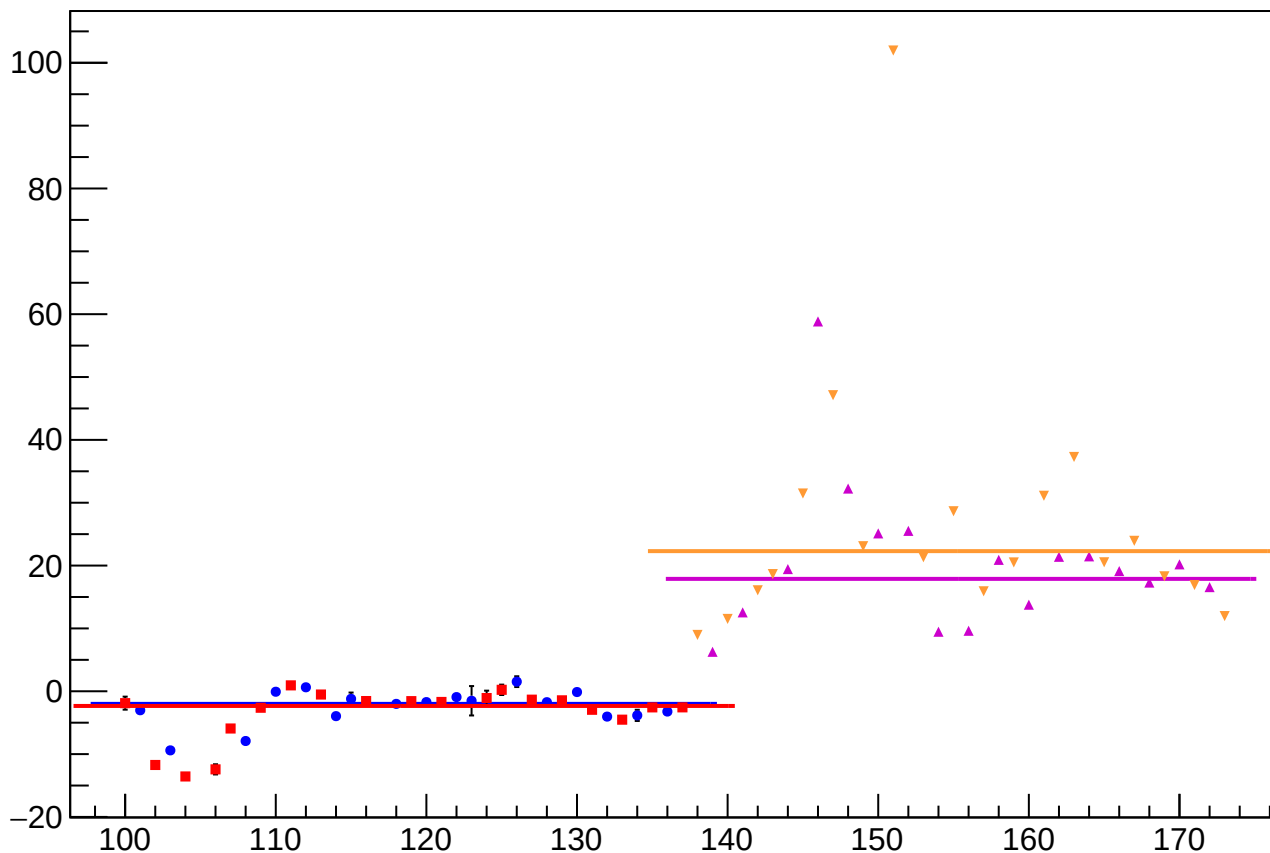
Right: 1.223 $\pm$ 0.042 χ^2/NDF : 1695.5/35

In: 1.448 $\pm$ 0.031 χ^2/NDF :2654.0/33

Out: 1.597 $\pm$ 0.033 χ^2/NDF :3384.6/37

All: 1.518 $\pm$ 0.023 χ^2/NDF : 6049.6/71

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: 22.297 ± 0.053 χ^2/NDF : 55621.4/18

Right Out: -2.336 ± 0.099 χ^2/NDF : 901.2/18

Left In: 17.883 ± 0.047 χ^2/NDF : 35935.1/16

Left: 19.852 ± 0.035 χ^2/NDF : 95409.5/35

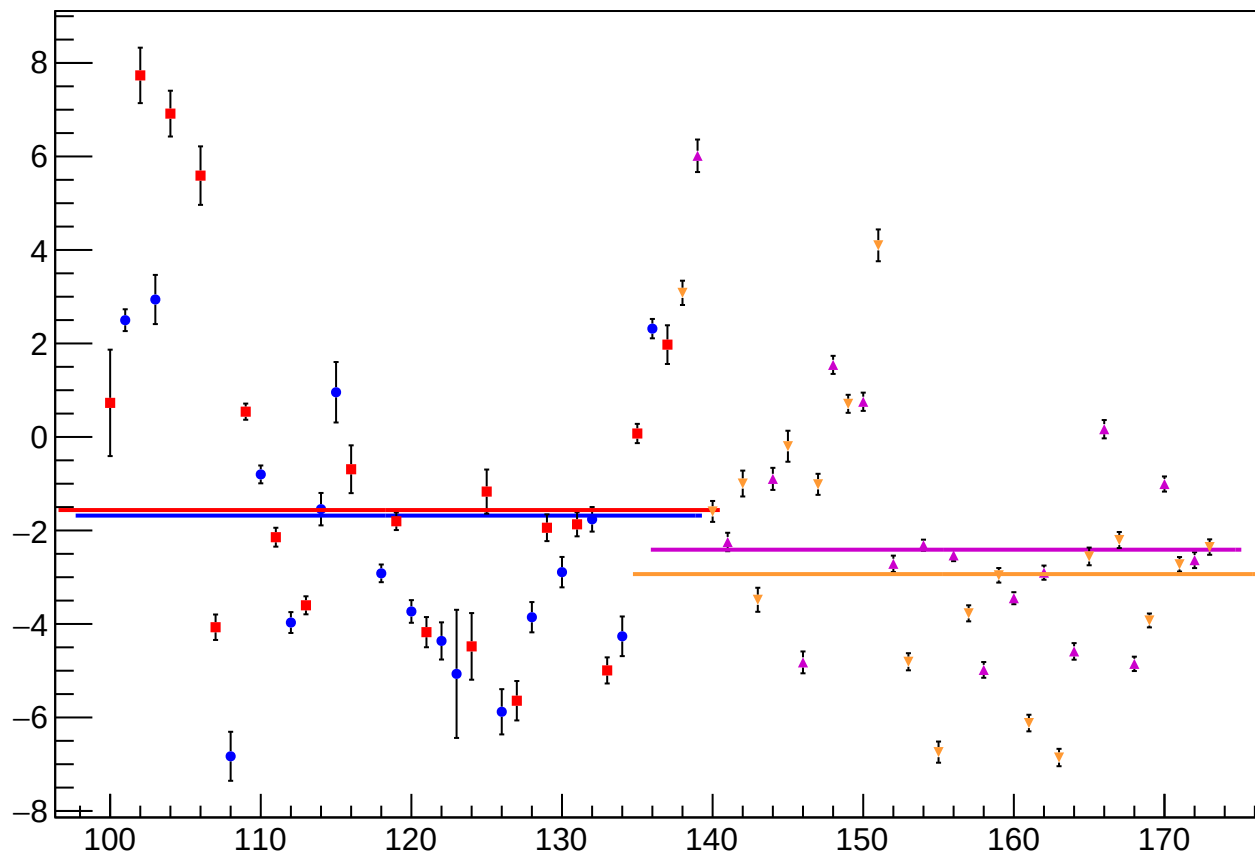
Right: -2.190 ± 0.074 χ^2/NDF : 1369.4/35

In: 14.788 ± 0.044 χ^2/NDF : 63693.5/33

Out: 16.815 ± 0.047 χ^2/NDF : 104740.8/37

All: 15.733 ± 0.032 χ^2/NDF : 169440.8/71

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.682 ± 0.070 $\chi^2/\text{NDF}: 1347.8/16$

Left Out: -2.933 ± 0.045 $\chi^2/\text{NDF}: 2811.1/18$

Right Out: -1.563 ± 0.066 $\chi^2/\text{NDF}: 1504.7/18$

Left In: -2.411 ± 0.041 $\chi^2/\text{NDF}: 2382.7/16$

Left: -2.647 ± 0.030 $\chi^2/\text{NDF}: 5268.2/35$

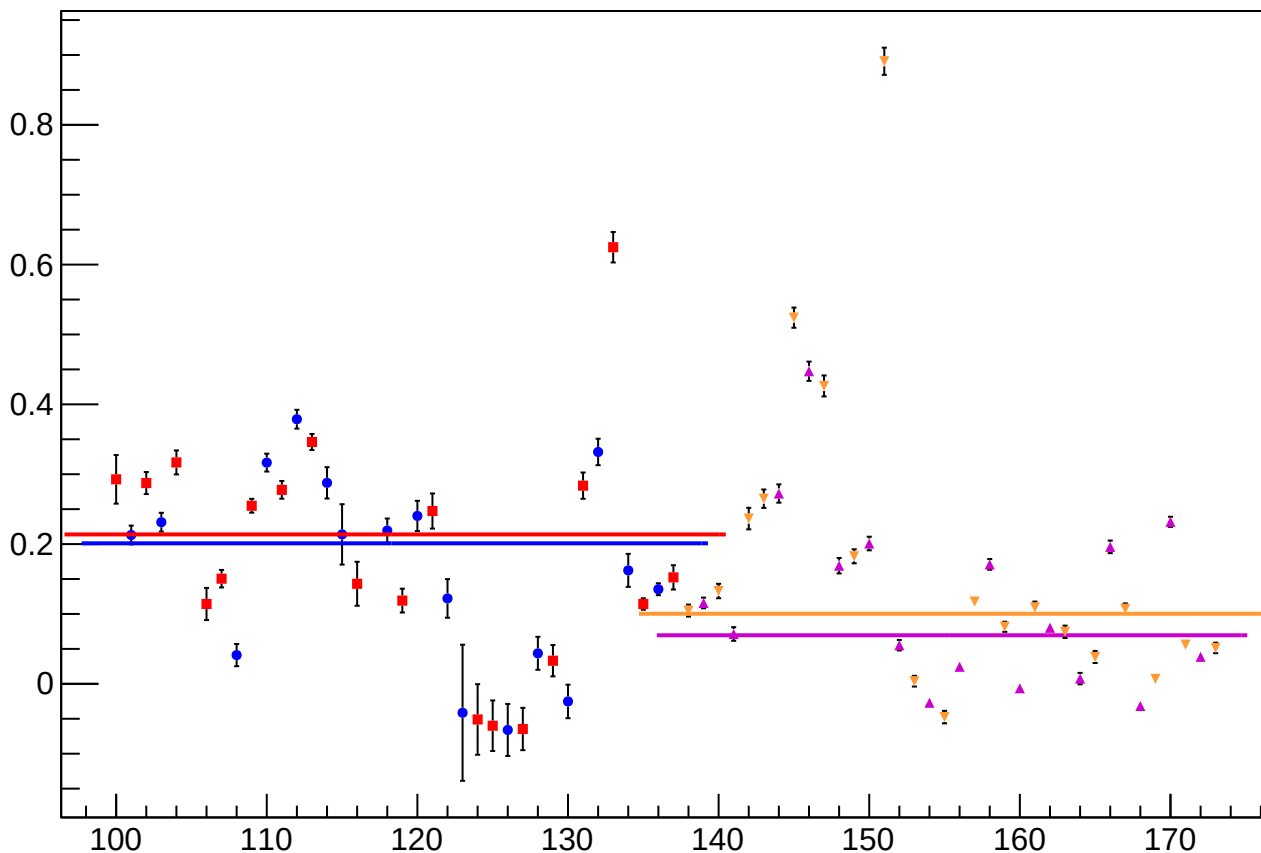
Right: -1.619 ± 0.048 $\chi^2/\text{NDF}: 2854.1/35$

In: -2.228 ± 0.035 $\chi^2/\text{NDF}: 3811.2/33$

Out: -2.498 ± 0.037 $\chi^2/\text{NDF}: 4612.9/37$

All: -2.356 ± 0.026 $\chi^2/\text{NDF}: 8451.8/71$

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: 0.100 ± 0.002 χ^2/NDF : 4079.6/18

Right Out: 0.214 ± 0.004 χ^2/NDF : 1083.1/18

Left In: 0.070 ± 0.002 χ^2/NDF : 3159.9/16

Left: 0.083 ± 0.001 χ^2/NDF : 7371.7/35

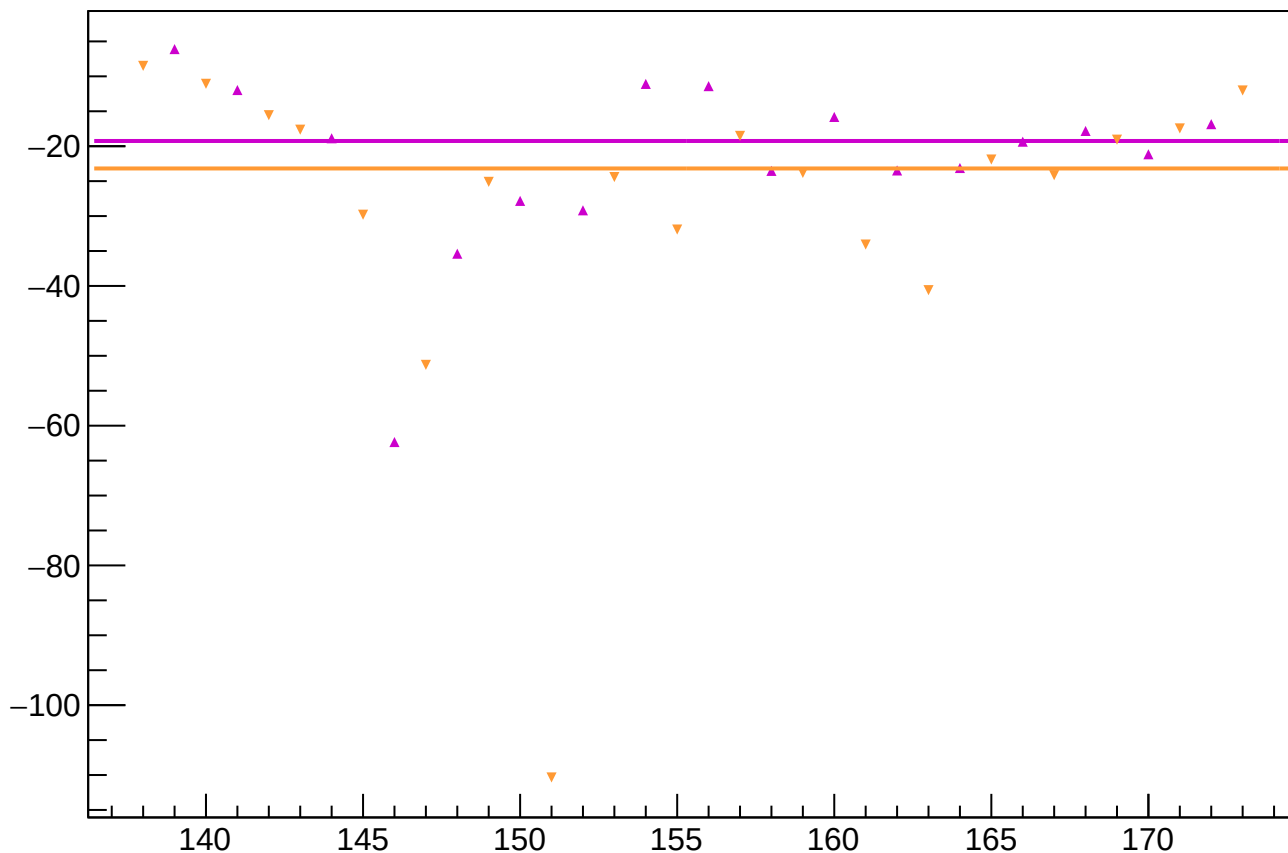
Right: 0.208 ± 0.003 χ^2/NDF : 1779.7/35

In: 0.090 ± 0.002 χ^2/NDF : 4709.8/33

Out: 0.126 ± 0.002 χ^2/NDF : 5896.0/37

All: 0.107 ± 0.001 χ^2/NDF : 10835.6/71

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: -23.186+/-0.054 χ^2/NDF :62257.2/18

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

Left In: -19.252+/-0.050 χ^2/NDF :37024.2/16

Left: -21.047+/-0.037 χ^2/NDF : 102113.5/35

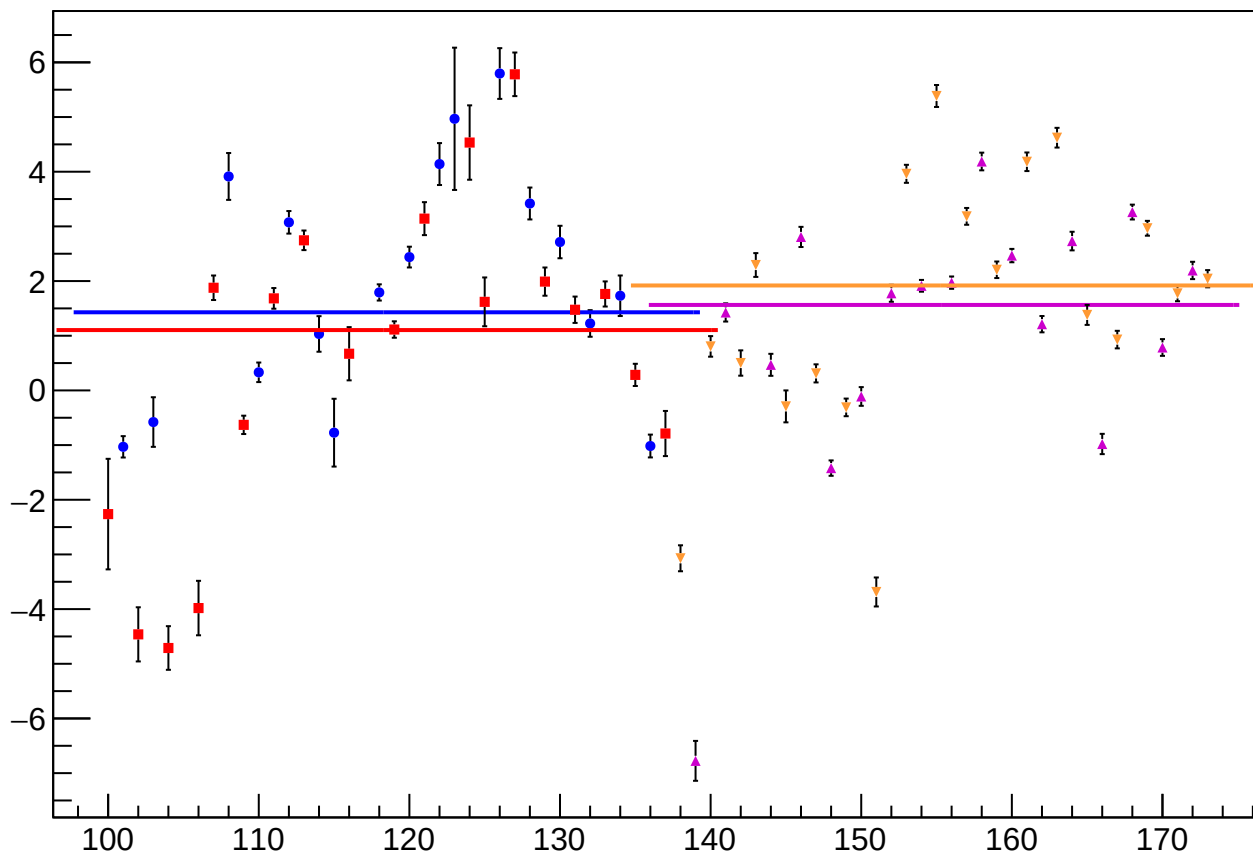
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.252+/-0.050 χ^2/NDF :37024.2/16

Out: -23.186+/-0.054 χ^2/NDF :62257.2/18

All: -21.047+/-0.037 χ^2/NDF : 102113.5/35

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.429 ± 0.062 $\chi^2/\text{NDF}: 711.4/16$

Left Out: 1.919 ± 0.040 $\chi^2/\text{NDF}: 2338.1/18$

Right Out: 1.104 ± 0.059 $\chi^2/\text{NDF}: 936.5/18$

Left In: 1.563 ± 0.037 $\chi^2/\text{NDF}: 1925.1/16$

Left: 1.725 ± 0.027 $\chi^2/\text{NDF}: 4305.6/35$

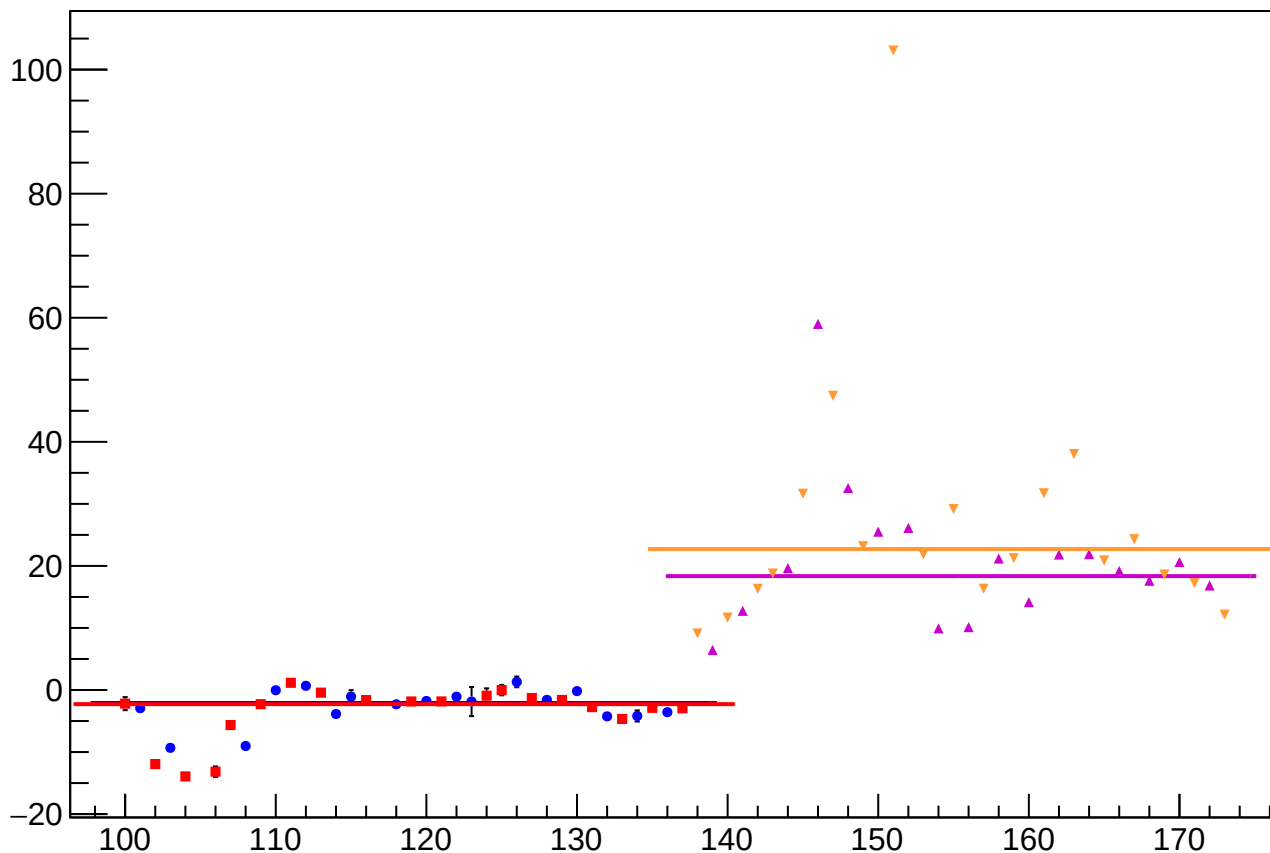
Right: 1.259 ± 0.043 $\chi^2/\text{NDF}: 1662.3/35$

In: 1.528 ± 0.032 $\chi^2/\text{NDF}: 2640.0/33$

Out: 1.660 ± 0.033 $\chi^2/\text{NDF}: 3403.7/37$

All: 1.591 ± 0.023 $\chi^2/\text{NDF}: 6052.0/71$

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.094 ± 0.113 χ^2/NDF : 486.5/16

Left Out: 22.717 ± 0.054 χ^2/NDF : 55368.0/18

Right Out: -2.278 ± 0.101 χ^2/NDF : 918.6/18

Left In: 18.358 ± 0.049 χ^2/NDF : 34705.5/16

Left: 20.312 ± 0.036 χ^2/NDF : 93672.1/35

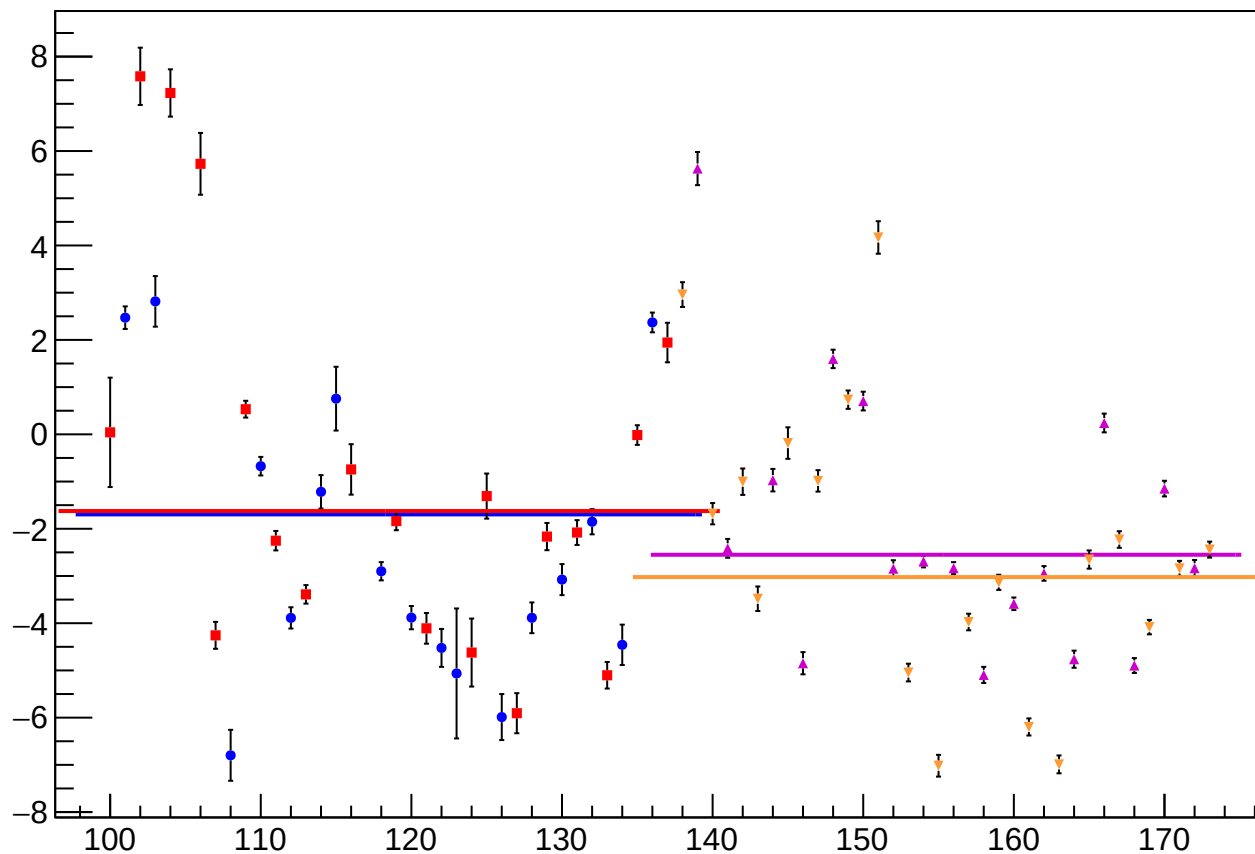
Right: -2.196 ± 0.075 χ^2/NDF : 1406.6/35

In: 15.139 ± 0.045 χ^2/NDF : 62994.3/33

Out: 17.165 ± 0.048 χ^2/NDF : 103917.7/37

All: 16.087 ± 0.033 χ^2/NDF : 167874.8/71

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: -3.023 ± 0.046 χ^2/NDF : 2853.9/18

Right Out: -1.624 ± 0.067 χ^2/NDF : 1467.3/18

Left In: -2.550 ± 0.042 χ^2/NDF : 2343.0/16

Left: -2.765 ± 0.031 χ^2/NDF : 5255.3/35

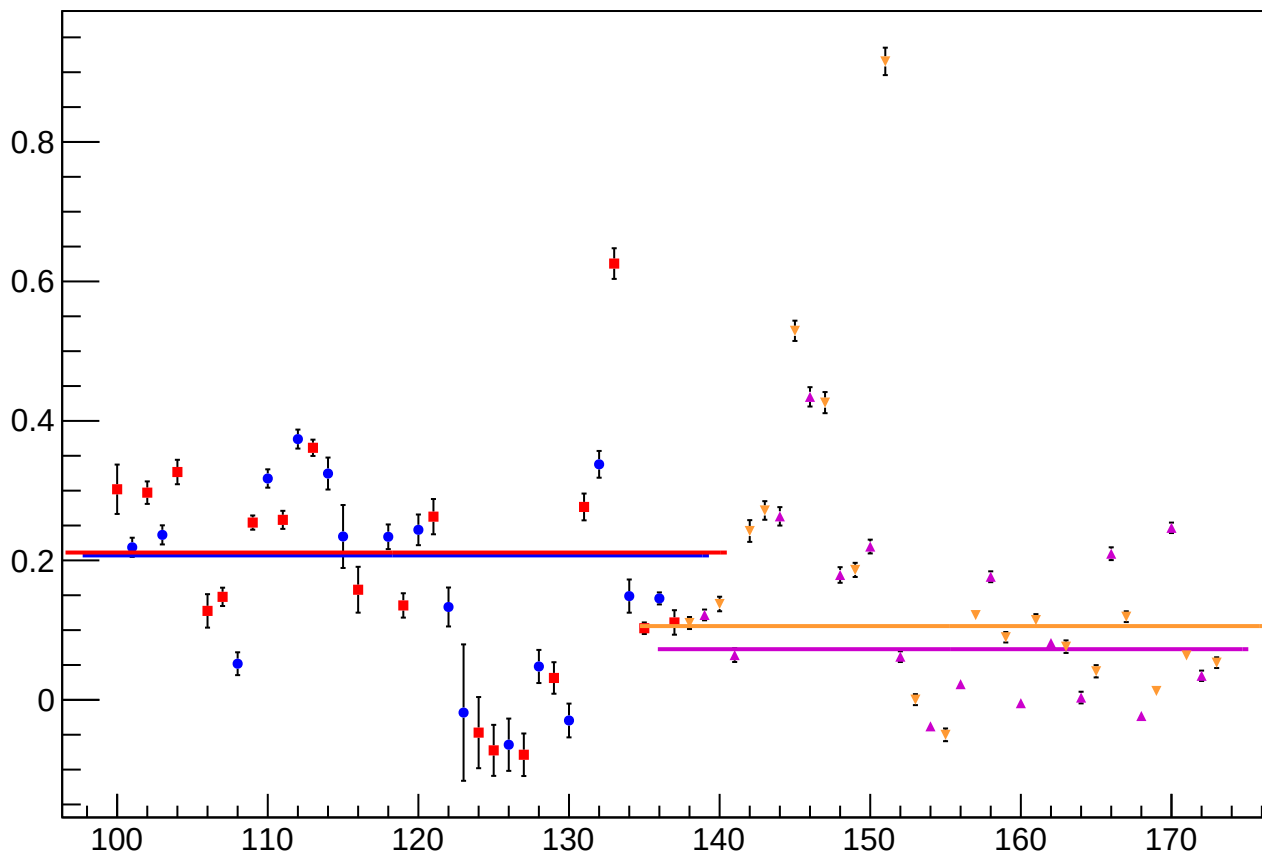
Right: -1.658 ± 0.049 χ^2/NDF : 2801.2/35

In: -2.334 ± 0.036 χ^2/NDF : 3782.8/33

Out: -2.578 ± 0.038 χ^2/NDF : 4618.7/37

All: -2.450 ± 0.026 χ^2/NDF : 8423.5/71

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: 0.106 $\pm$ 0.002 χ^2/NDF : 4109.6/18

Right Out: 0.211 $\pm$ 0.004 χ^2/NDF : 1145.7/18

Left In: 0.073 $\pm$ 0.002 χ^2/NDF : 3249.9/16

Left: 0.087 $\pm$ 0.001 χ^2/NDF : 7505.8/35

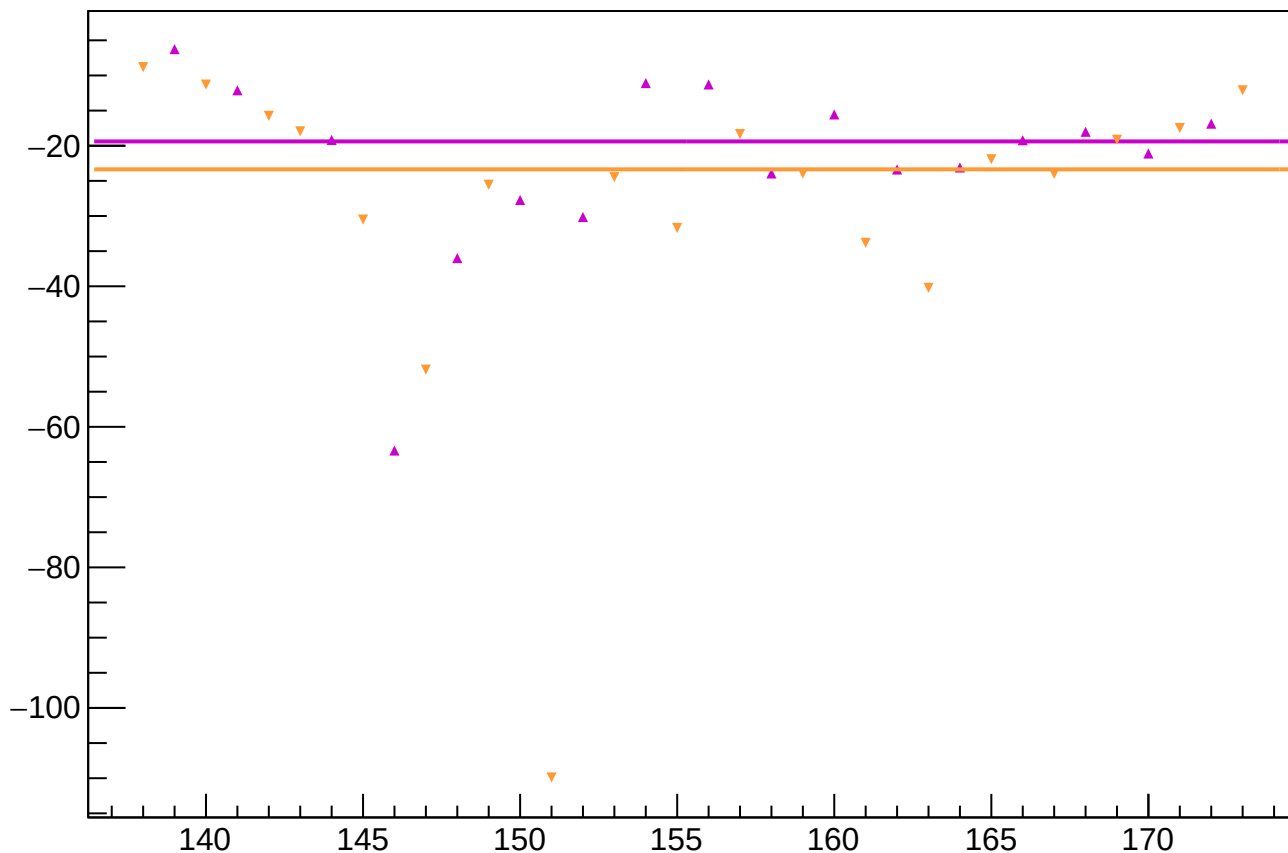
Right: 0.209 $\pm$ 0.003 χ^2/NDF : 1802.5/35

In: 0.094 $\pm$ 0.002 χ^2/NDF : 4770.0/33

Out: 0.130 $\pm$ 0.002 χ^2/NDF : 5862.6/37

All: 0.111 $\pm$ 0.001 χ^2/NDF : 10849.4/71

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: -23.360+/-0.055 χ^2/NDF : 61031.4/18

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

Left In: -19.385+/-0.051 χ^2/NDF : 37267.5/16

Left: -21.205+/-0.037 χ^2/NDF : 101125.5/35

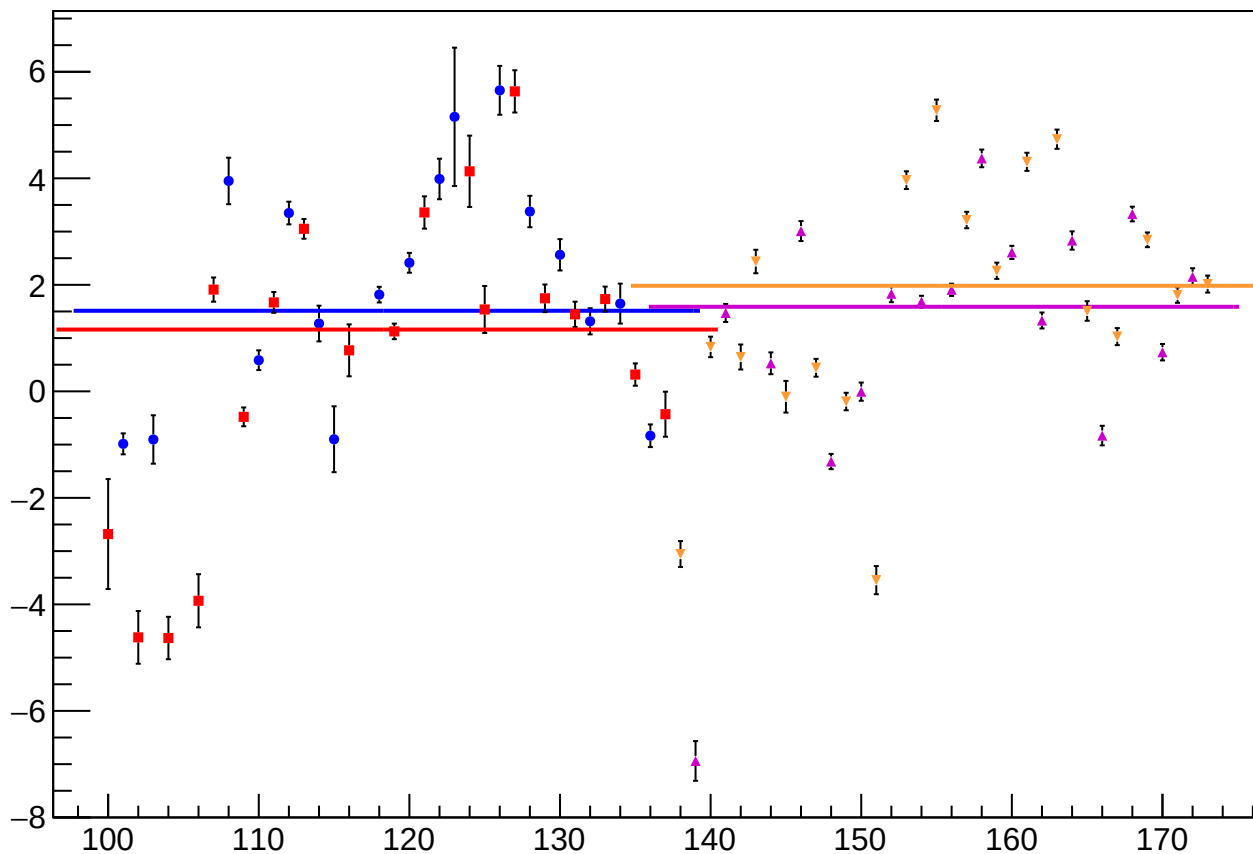
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.385+/-0.051 χ^2/NDF : 37267.5/16

Out: -23.360+/-0.055 χ^2/NDF : 61031.4/18

All: -21.205+/-0.037 χ^2/NDF : 101125.5/35

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: 1.982 ± 0.041 χ^2/NDF : 2226.5/18

Right Out: 1.160 ± 0.060 χ^2/NDF : 917.0/18

Left In: 1.588 ± 0.037 χ^2/NDF : 1898.4/16

Left: 1.767 ± 0.028 χ^2/NDF : 4175.7/35

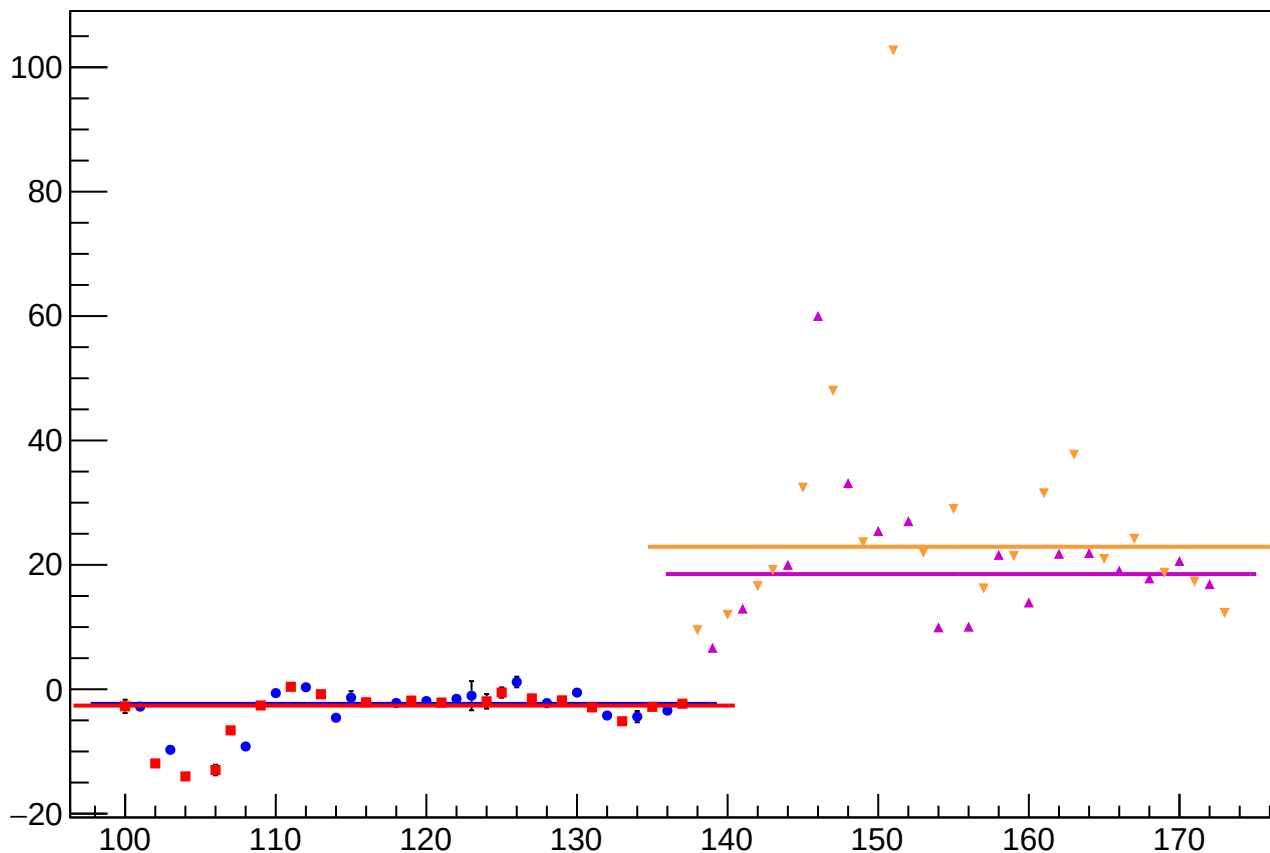
Right: 1.329 ± 0.043 χ^2/NDF : 1603.3/35

In: 1.568 ± 0.032 χ^2/NDF : 2569.2/33

Out: 1.722 ± 0.034 χ^2/NDF : 3271.5/37

All: 1.641 ± 0.023 χ^2/NDF : 5851.6/71

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.350 ± 0.114 $\chi^2/\text{NDF}: 439.7/16$

Left Out: 22.904 ± 0.055 $\chi^2/\text{NDF}: 54380.3/18$

Right Out: -2.624 ± 0.103 $\chi^2/\text{NDF}: 840.4/18$

Left In: 18.520 ± 0.049 $\chi^2/\text{NDF}: 34974.1/16$

Left: 20.493 ± 0.037 $\chi^2/\text{NDF}: 92912.6/35$

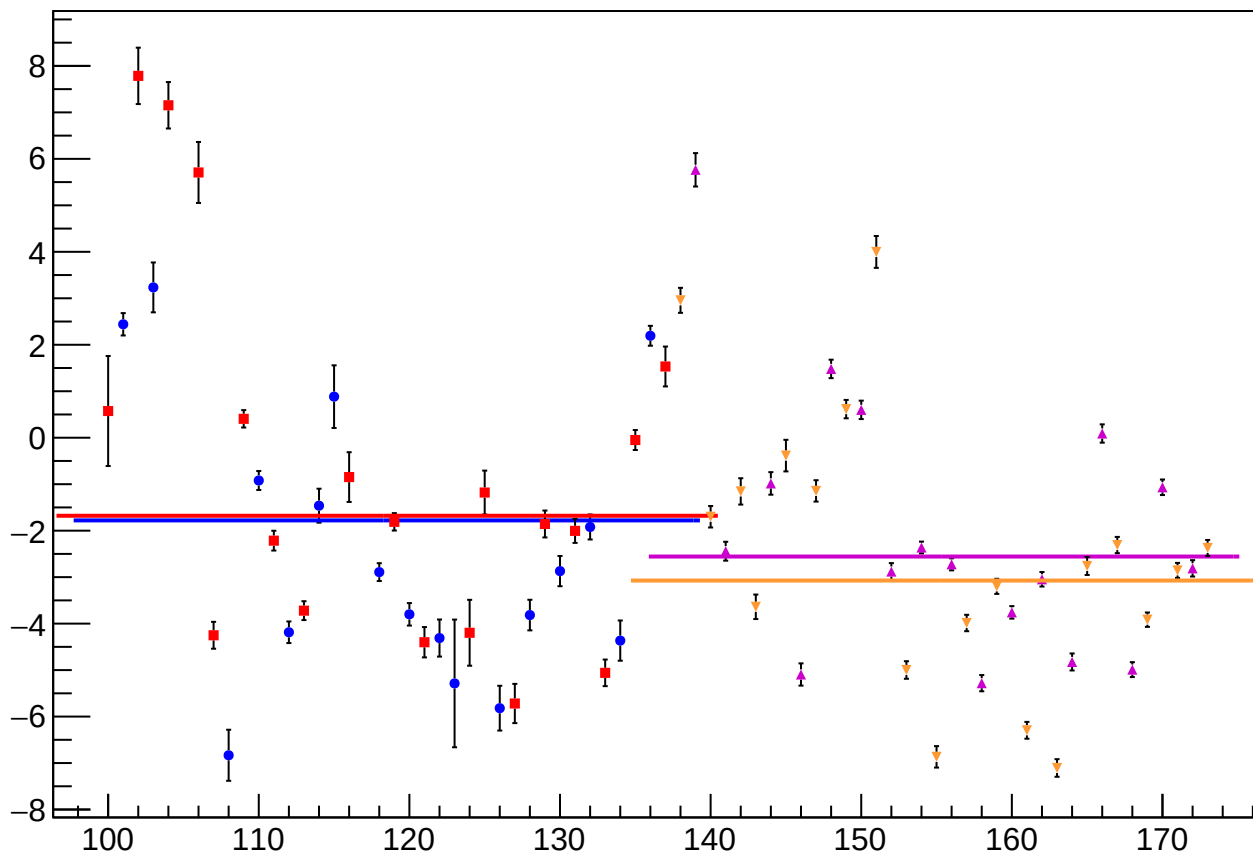
Right: -2.501 ± 0.077 $\chi^2/\text{NDF}: 1283.3/35$

In: 15.245 ± 0.045 $\chi^2/\text{NDF}: 63521.0/33$

Out: 17.340 ± 0.048 $\chi^2/\text{NDF}: 103042.1/37$

All: 16.227 ± 0.033 $\chi^2/\text{NDF}: 167566.2/71$

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: -3.073 ± 0.046 χ^2/NDF : 2734.2/18

Right Out: -1.679 ± 0.068 χ^2/NDF : 1429.6/18

Left In: -2.557 ± 0.042 χ^2/NDF : 2344.8/16

Left: -2.792 ± 0.031 χ^2/NDF : 5147.1/35

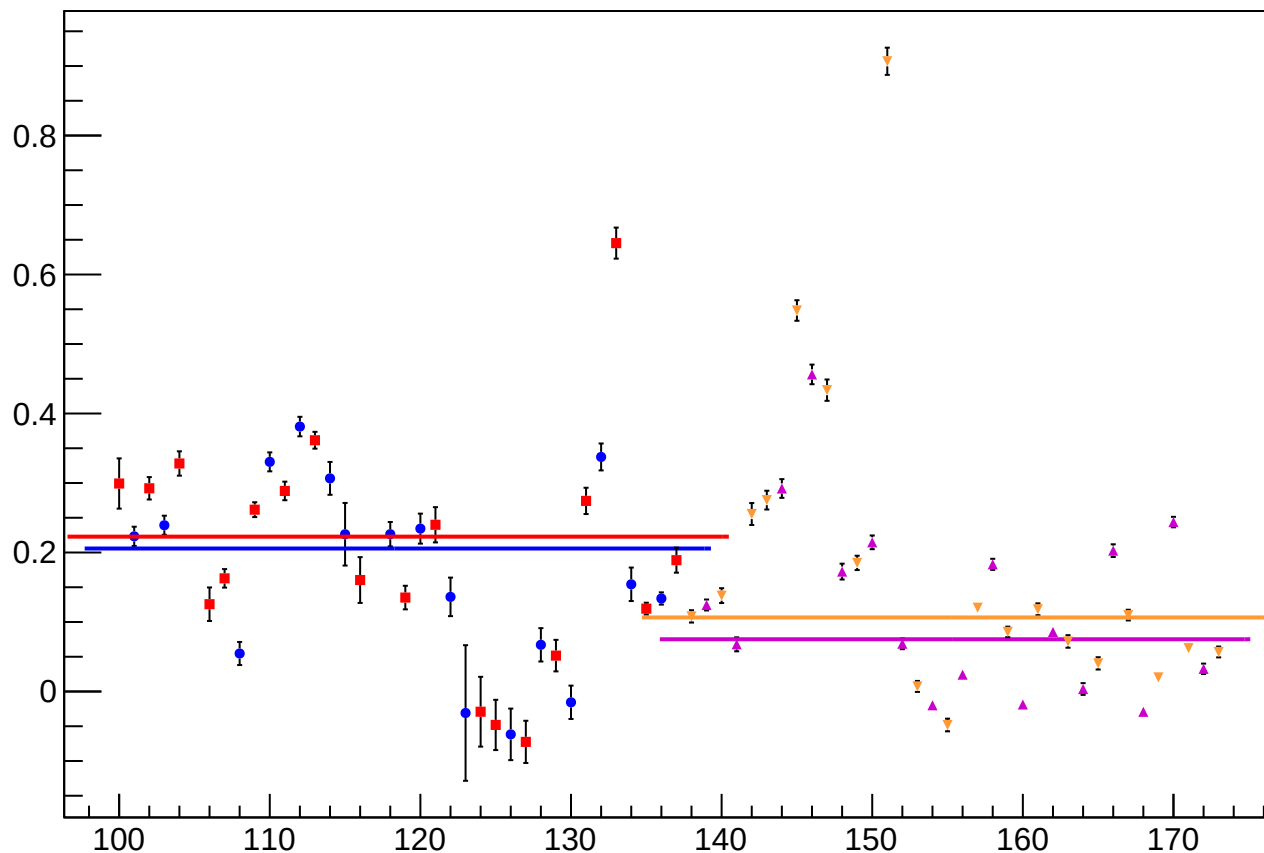
Right: -1.726 ± 0.050 χ^2/NDF : 2702.6/35

In: -2.359 ± 0.036 χ^2/NDF : 3703.1/33

Out: -2.633 ± 0.038 χ^2/NDF : 4451.4/37

All: -2.490 ± 0.026 χ^2/NDF : 8181.6/71

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: 0.107 $\pm$ 0.002 χ^2 /NDF:4088.2/18

Right Out: 0.223 $\pm$ 0.004 χ^2 /NDF: 1042.2/18

Left In: 0.075 $\pm$ 0.002 χ^2 /NDF:3225.6/16

Left: 0.089 $\pm$ 0.001 χ^2 /NDF: 7442.2/35

Right: 0.215 $\pm$ 0.003 χ^2 /NDF: 1702.9/35

In: 0.096 $\pm$ 0.002 χ^2 /NDF:4670.3/33

Out: 0.133 $\pm$ 0.002 χ^2 /NDF:5842.6/37

All: 0.113 $\pm$ 0.001 χ^2 /NDF: 10734.8/71