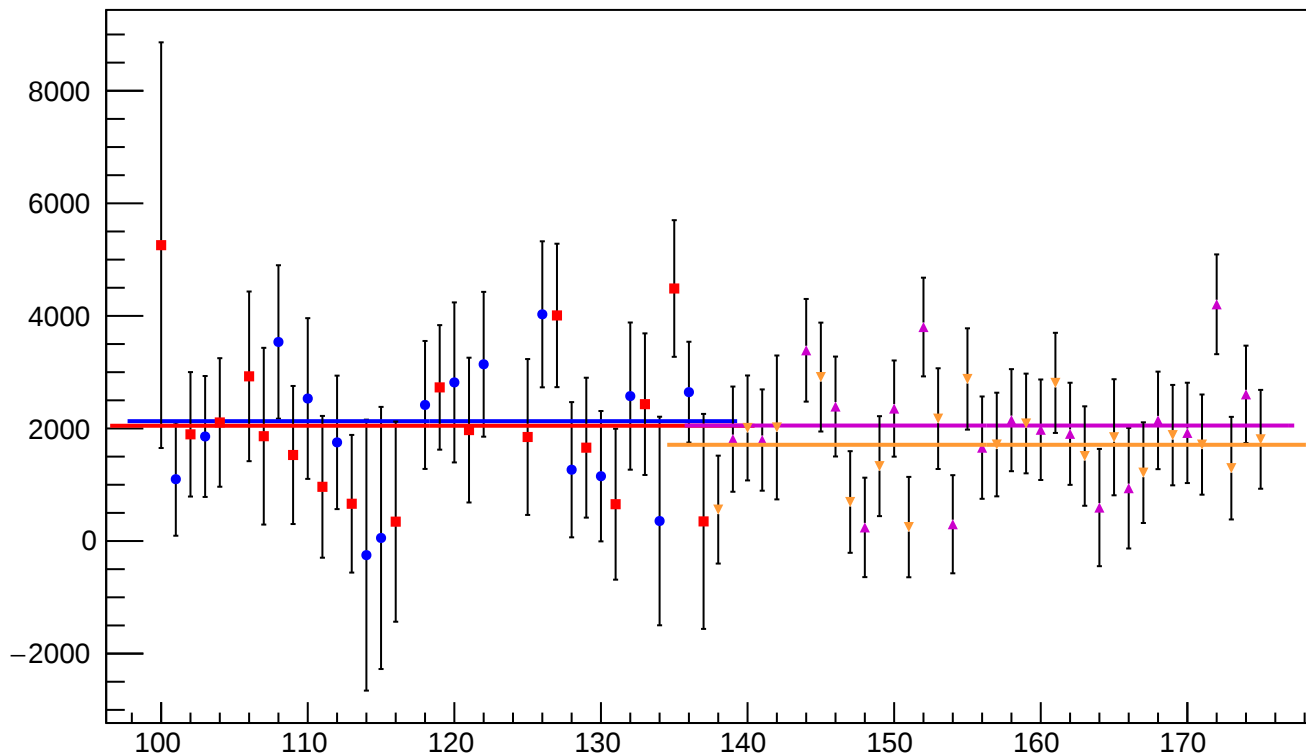


dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2129.586+/-316.501

χ^2/NDF : 9.8/15

Left Out: 1709.919+/-211.460

χ^2/NDF : 11.6/18

Right Out: 2048.278+/-314.118

χ^2/NDF : 13.2/17

Left In: 2051.984+/-213.170

χ^2/NDF : 24.4/17

Left: 1879.574+/-150.126

χ^2/NDF : 37.3/36

Right: 2088.625+/-222.953

χ^2/NDF : 23.0/33

In: 2076.201+/-176.807

χ^2/NDF : 34.2/33

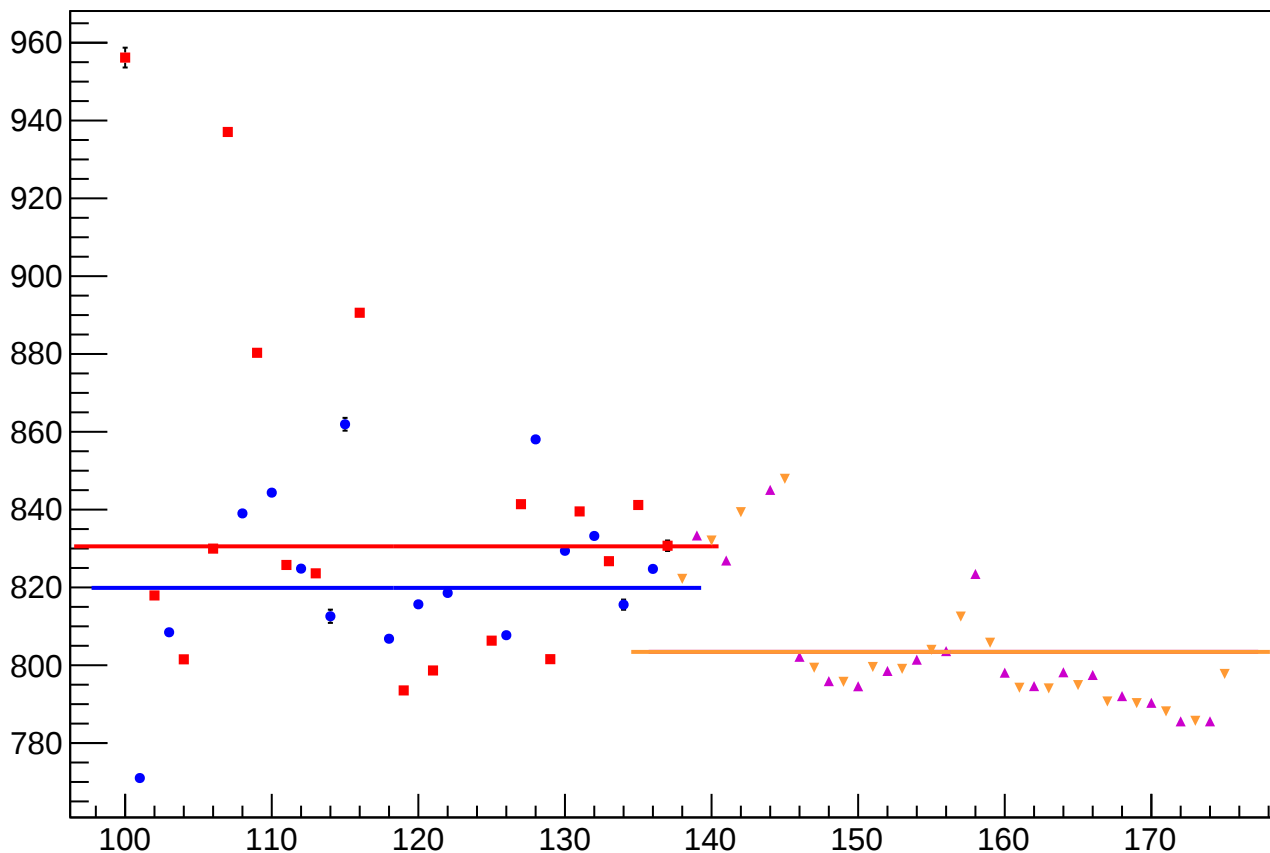
Out: 1815.438+/-175.416

χ^2/NDF : 25.6/36

All: 1944.790+/-124.527

χ^2/NDF : 60.9/70

dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 819.883 $\pm$ 0.224 χ^2 /NDF: 9537.8/15

Left Out: 803.430 $\pm$ 0.150 χ^2 /NDF:11794.4/18

Right Out: 830.559 $\pm$ 0.222 χ^2 /NDF: 24429.2/17

Left In: 803.436 $\pm$ 0.151 χ^2 /NDF:11800.3/17

Left: 803.433 $\pm$ 0.106 χ^2 /NDF: 23594.7/36

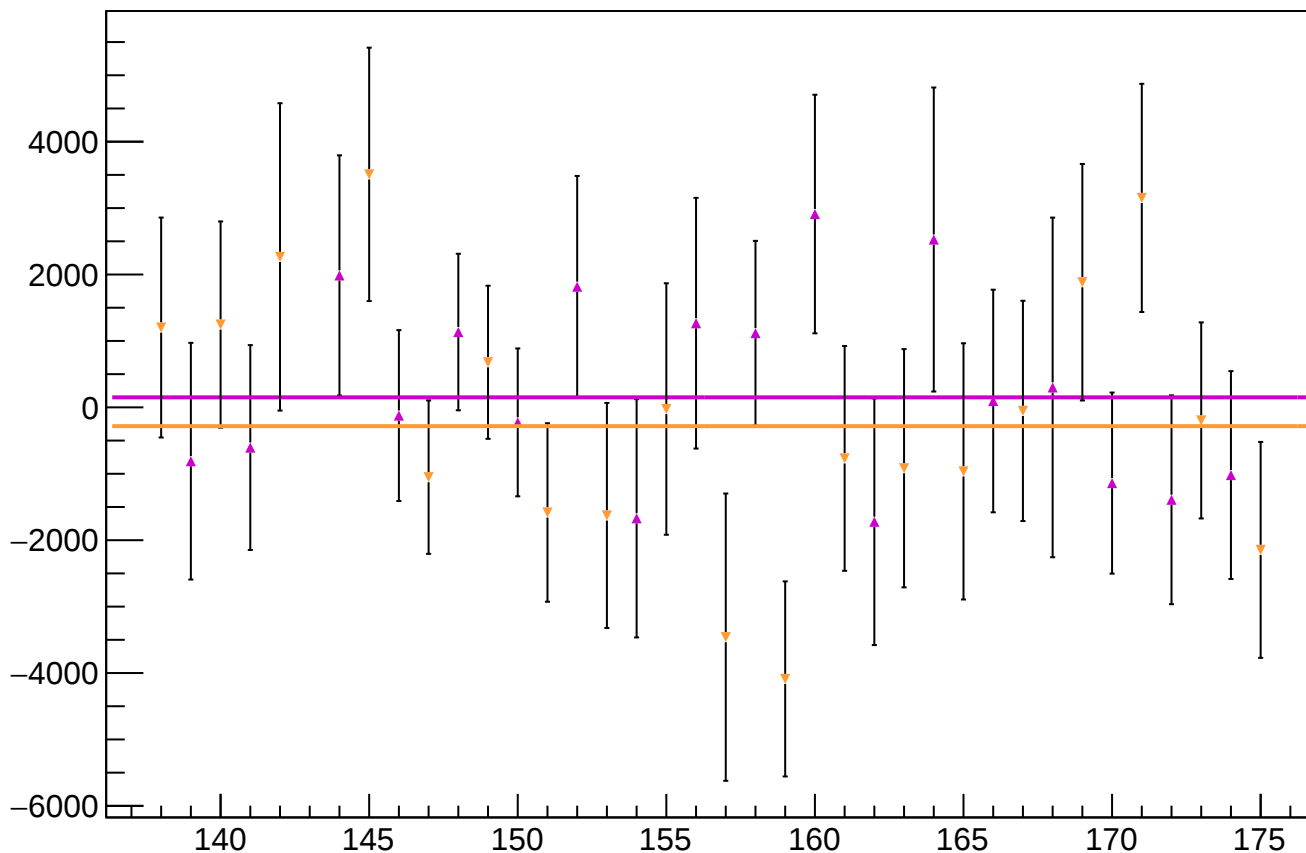
Right: 825.261 $\pm$ 0.158 χ^2 /NDF: 35113.5/33

In: 808.569 $\pm$ 0.125 χ^2 /NDF:25053.1/33

Out: 811.890 $\pm$ 0.124 χ^2 /NDF:46489.3/36

All: 810.243 $\pm$ 0.088 χ^2 /NDF: 71898.2/70

asym_us_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -283.228+/-367.943 χ^2/NDF :25.7/18

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

Left In: 150.610+/-370.310 χ^2/NDF :12.2/17

Left: -67.700+/-261.008 χ^2/NDF : 38.5/36

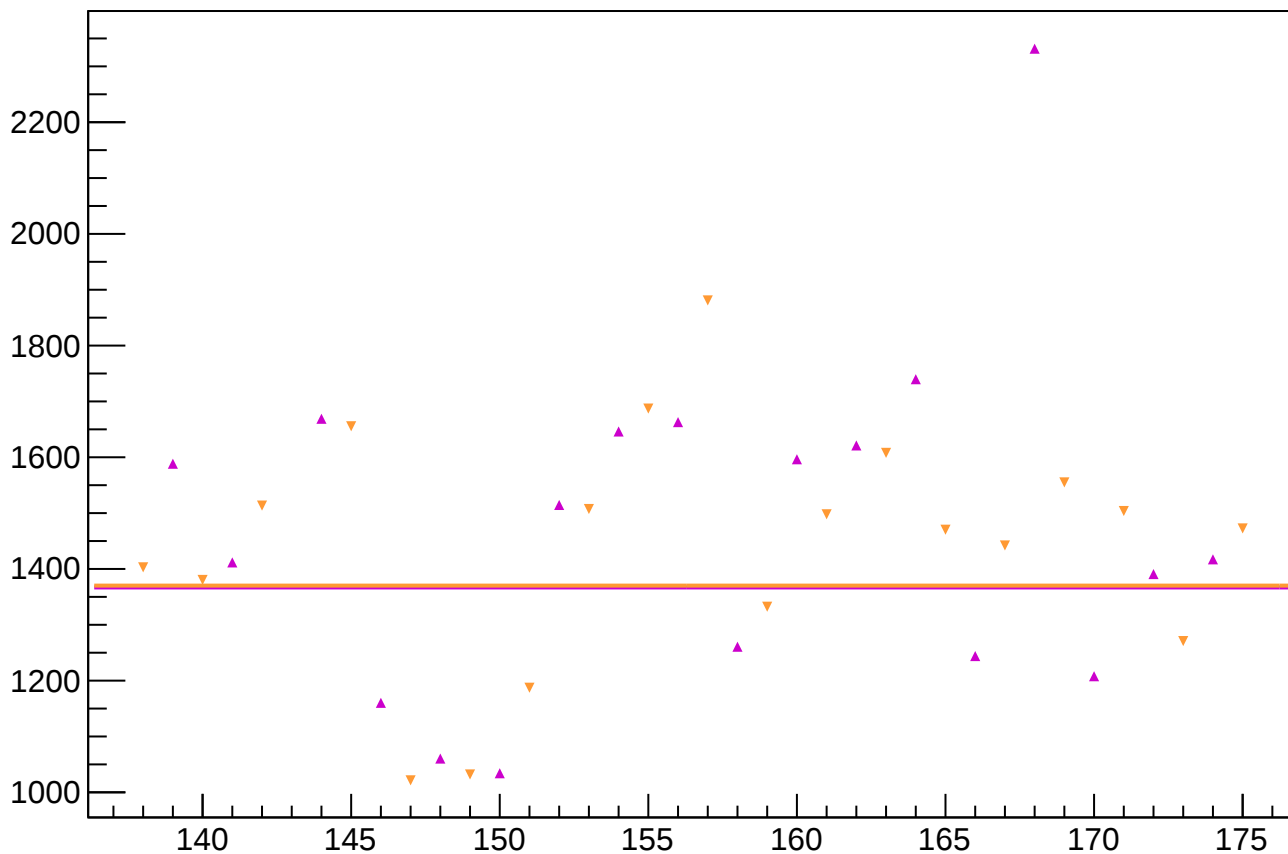
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 150.610+/-370.310 χ^2/NDF :12.2/17

Out: -283.228+/-367.943 χ^2/NDF :25.7/18

All: -67.700+/-261.008 χ^2/NDF : 38.5/36

asym_us_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1370.180+/-0.260 χ^2/NDF :733224.5/18

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

Left In: 1366.850+/-0.262 χ^2/NDF :1027446.7/17

Left: 1368.526+/-0.185 χ^2/NDF : 1760752.6/36

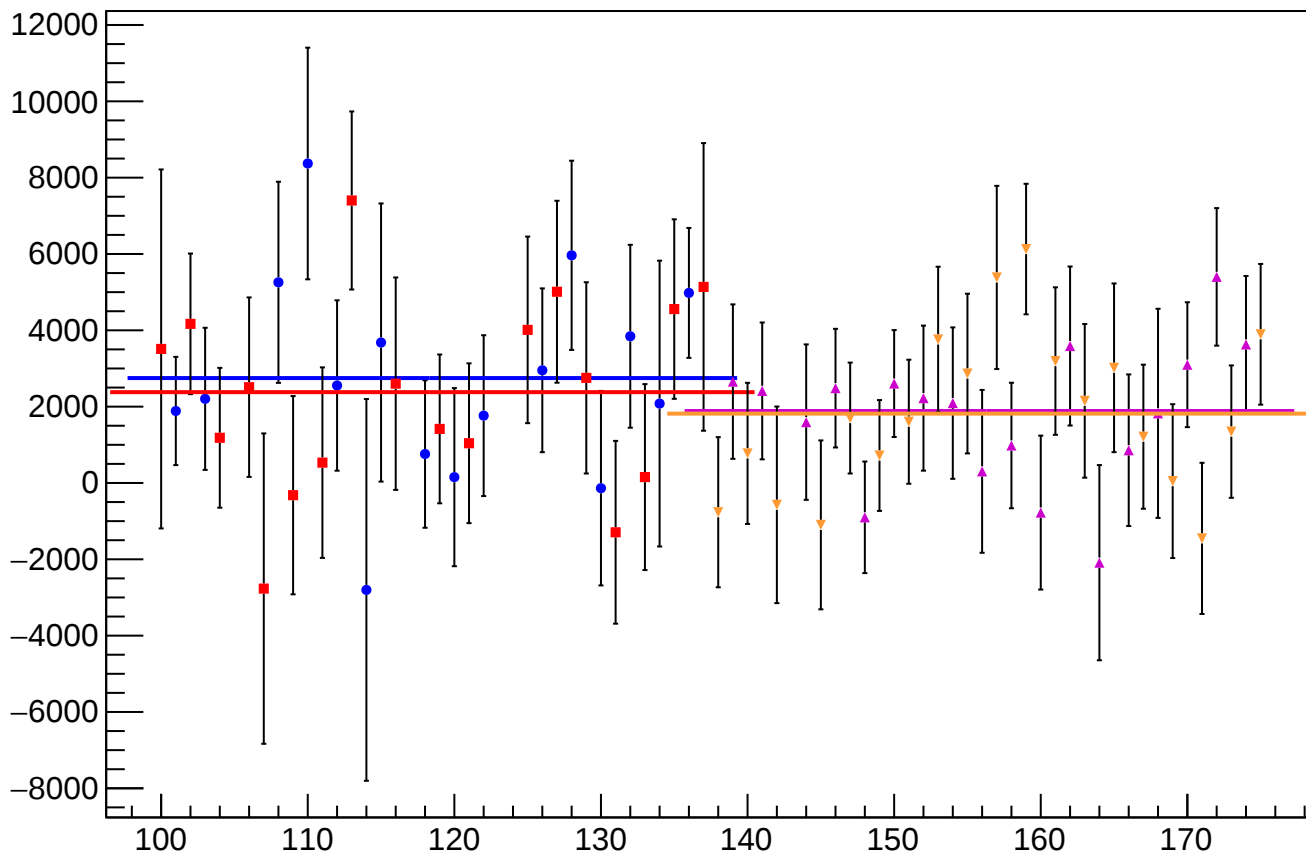
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1366.850+/-0.262 χ^2/NDF :1027446.7/17

Out: 1370.180+/-0.260 χ^2/NDF :733224.5/18

All: 1368.526+/-0.185 χ^2/NDF : 1760752.6/36

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1817.024 $\pm$ 431.129 χ^2 /NDF:20.9/18

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

Left In: 1884.951 $\pm$ 433.681 χ^2 /NDF:15.6/17

Left: 1850.787 $\pm$ 305.752 χ^2 /NDF: 36.5/36

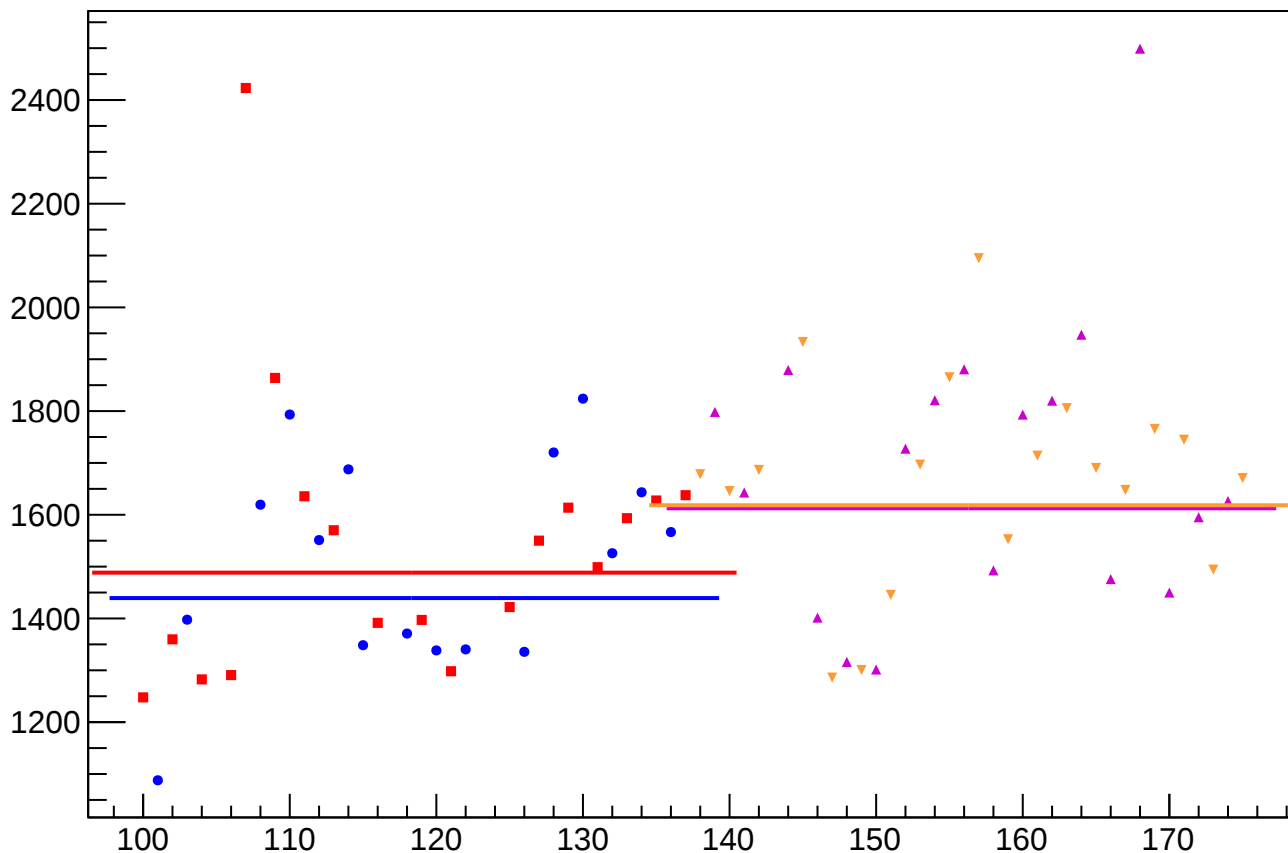
Right: 2566.079 $\pm$ 400.174 χ^2 /NDF: 30.0/33

In: 2206.679 $\pm$ 343.555 χ^2 /NDF:30.6/33

Out: 2022.166 $\pm$ 343.622 χ^2 /NDF:37.7/36

All: 2114.441 $\pm$ 242.954 χ^2 /NDF: 68.5/70

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1618.380 $\pm$ 0.305 χ^2/NDF : 435803.3/18

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

Left In: 1612.397 $\pm$ 0.307 χ^2/NDF : 650063.6/17

Left: 1615.406 $\pm$ 0.216 χ^2/NDF : 1086058.3/36

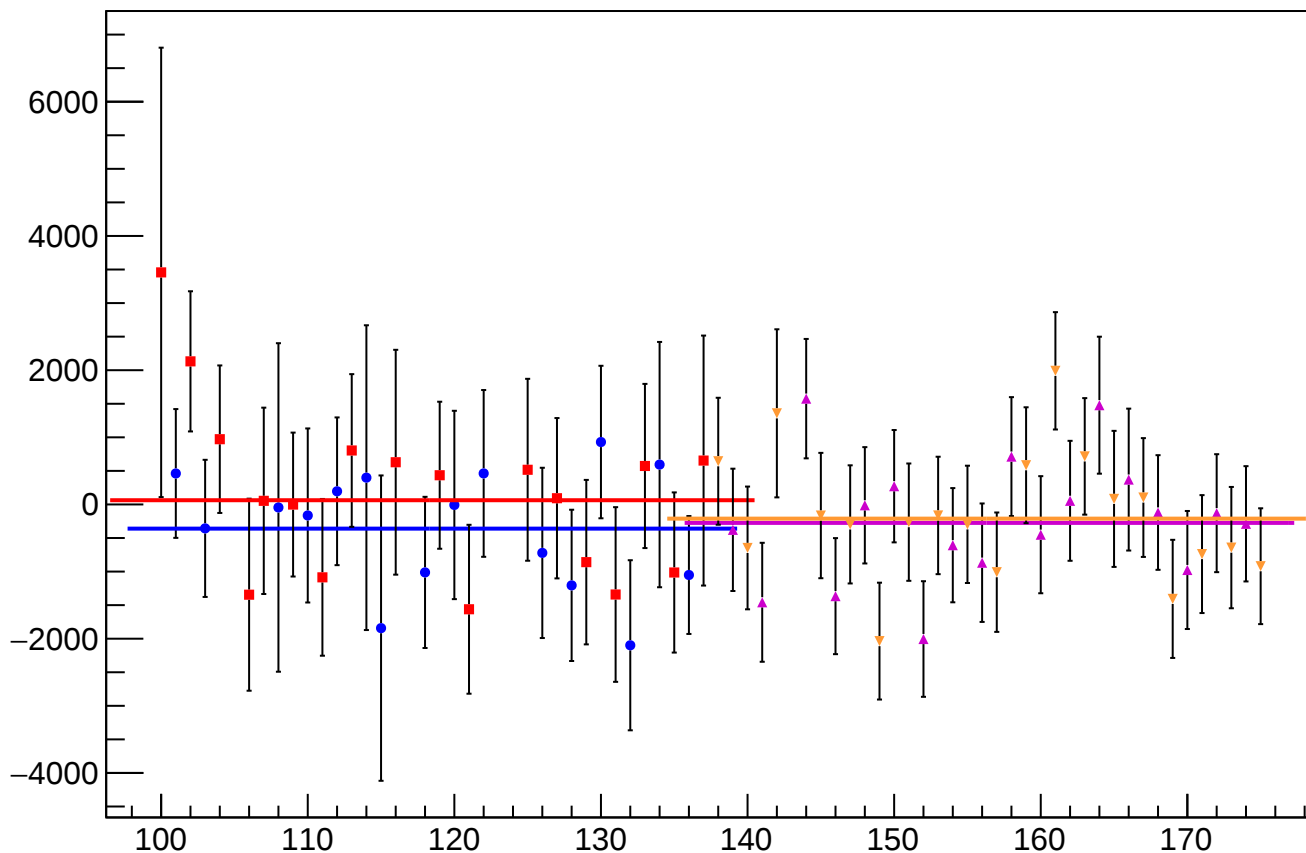
Right: 1463.597 $\pm$ 0.283 χ^2/NDF : 541697.1/33

In: 1547.940 $\pm$ 0.243 χ^2/NDF : 1046547.7/33

Out: 1570.964 $\pm$ 0.243 χ^2/NDF : 758450.8/36

All: 1559.450 $\pm$ 0.172 χ^2/NDF : 1809489.1/70

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -360.203 $\pm$ 310.577 χ^2/NDF : 7.1/15

Left Out: -211.274 $\pm$ 207.236 χ^2/NDF :19.5/18

Right Out: 62.959 $\pm$ 298.767 χ^2/NDF : 12.8/17

Left In: -274.813 $\pm$ 209.119 χ^2/NDF :18.3/17

Left: -242.756 $\pm$ 147.199 χ^2/NDF : 37.9/36

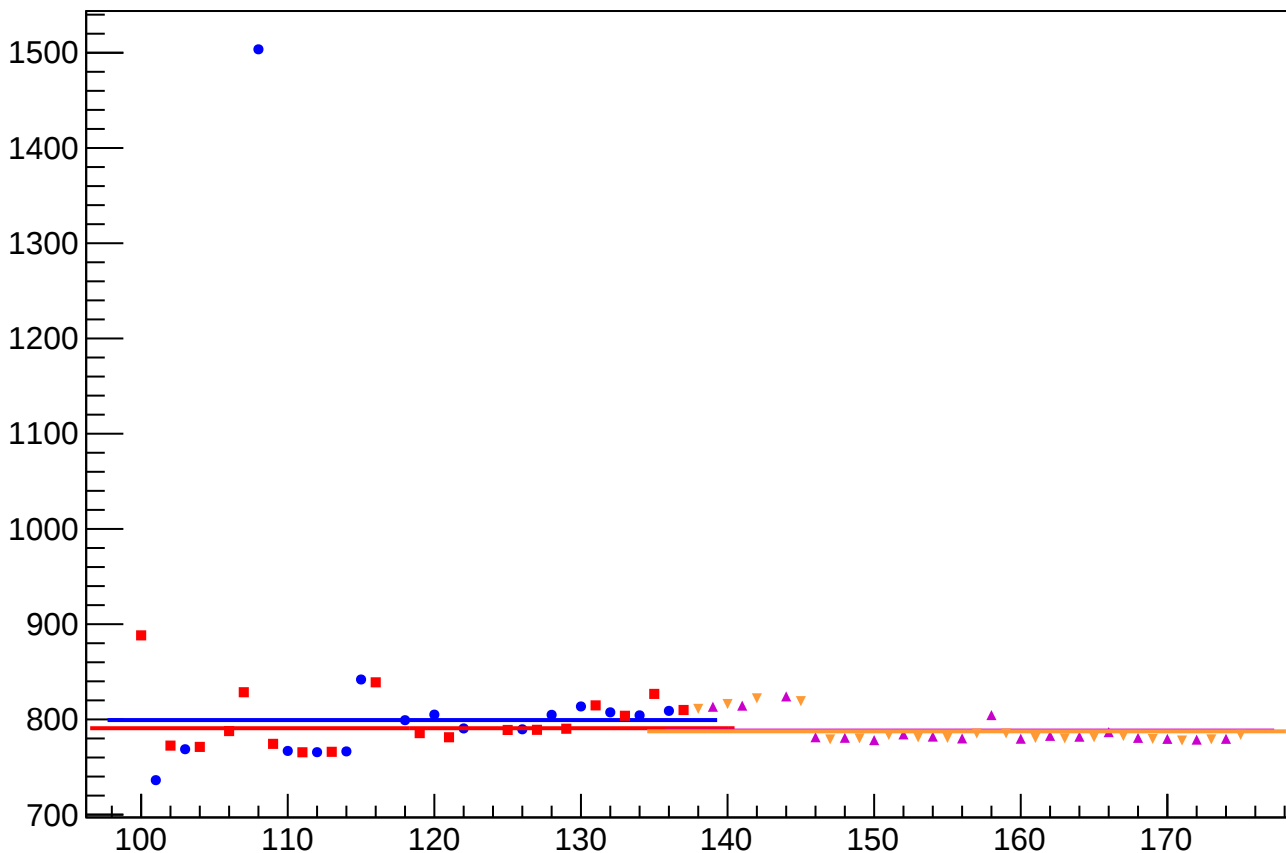
Right: -140.423 $\pm$ 215.314 χ^2/NDF : 20.9/33

In: -301.449 $\pm$ 173.463 χ^2/NDF :25.5/33

Out: -122.192 $\pm$ 170.282 χ^2/NDF :32.9/36

All: -210.162 $\pm$ 121.517 χ^2/NDF : 58.9/70

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 799.322 $\pm$ 0.220 χ^2 /NDF: 181303.9/15

Left Out: 787.510 $\pm$ 0.147 χ^2 /NDF: 8704.9/18

Right Out: 790.760 $\pm$ 0.211 χ^2 /NDF: 11555.4/17

Left In: 788.277 $\pm$ 0.148 χ^2 /NDF: 9223.1/17

Left: 787.890 $\pm$ 0.104 χ^2 /NDF: 17941.6/36

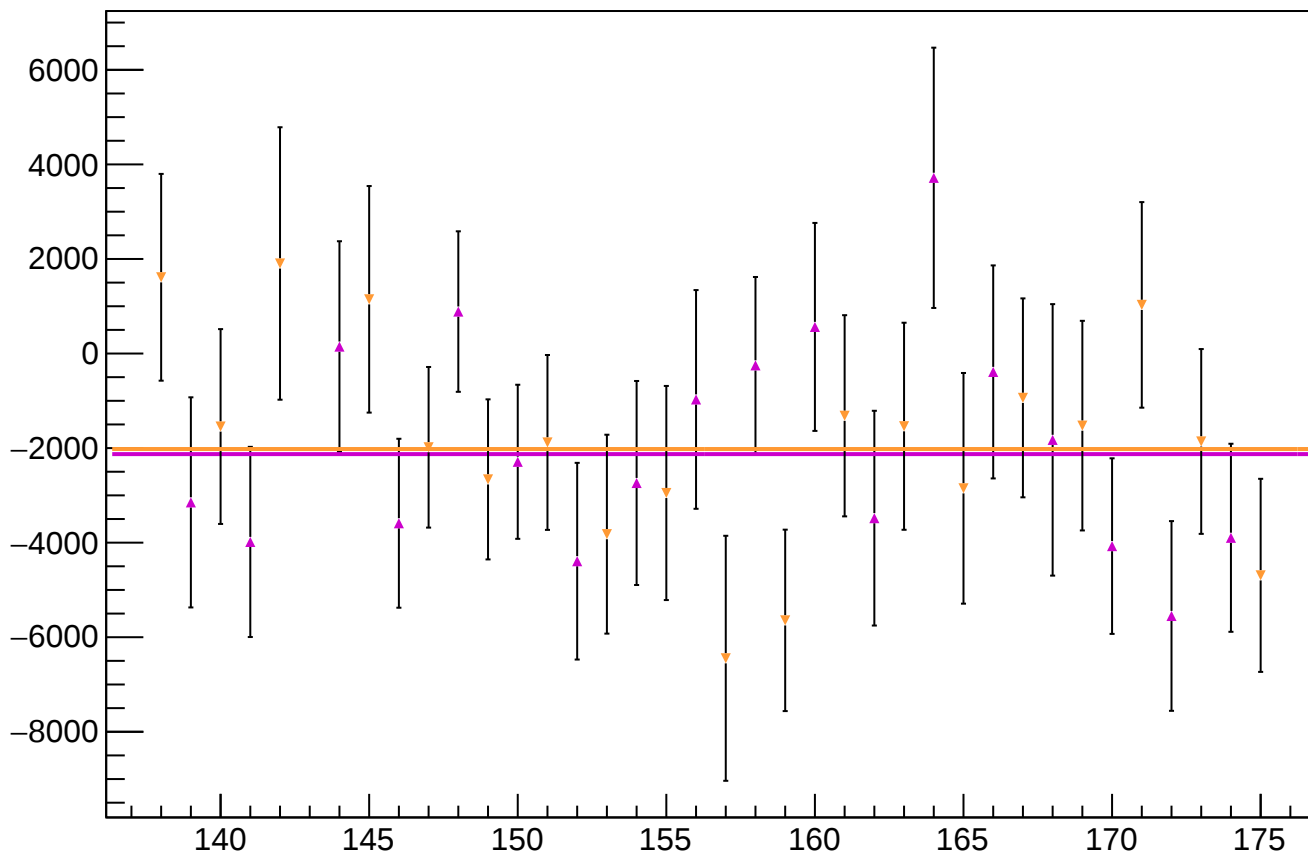
Right: 794.875 $\pm$ 0.152 χ^2 /NDF: 193648.9/33

In: 791.723 $\pm$ 0.123 χ^2 /NDF: 192267.4/33

Out: 788.566 $\pm$ 0.120 χ^2 /NDF: 20420.1/36

All: 790.115 $\pm$ 0.086 χ^2 /NDF: 213024.8/70

asym_us_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -2019.596+/-481.735 χ^2/NDF :18.2/18

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

Left In: -2127.368+/-485.092 χ^2/NDF :20.2/17

Left: -2073.108+/-341.819 χ^2/NDF : 38.5/36

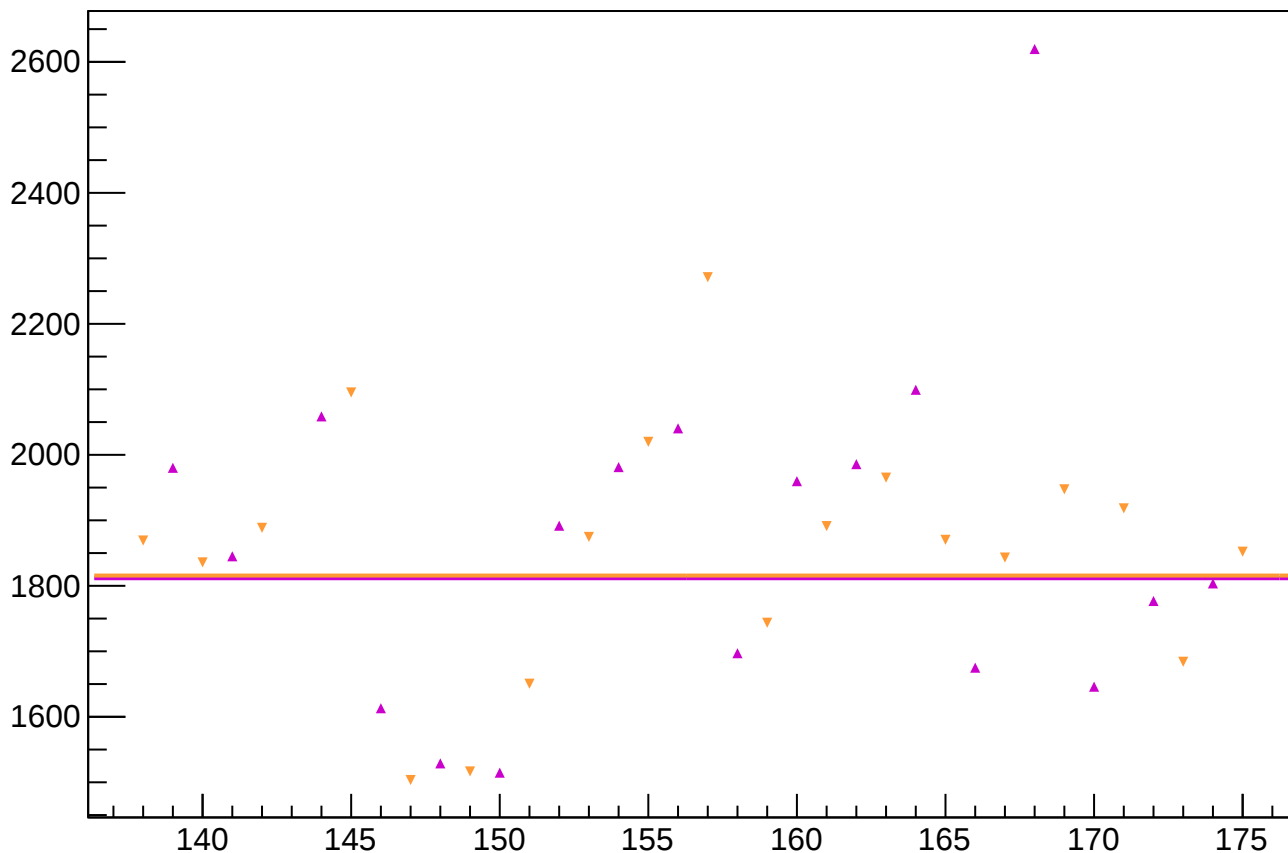
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -2127.368+/-485.092 χ^2/NDF :20.2/17

Out: -2019.596+/-481.735 χ^2/NDF :18.2/18

All: -2073.108+/-341.819 χ^2/NDF : 38.5/36

asym_us_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1815.687+/-0.341 χ^2/NDF :292718.1/18

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

Left In: 1811.585+/-0.343 χ^2/NDF :450687.6/17

Left: 1813.650+/-0.242 χ^2/NDF : 743477.7/36

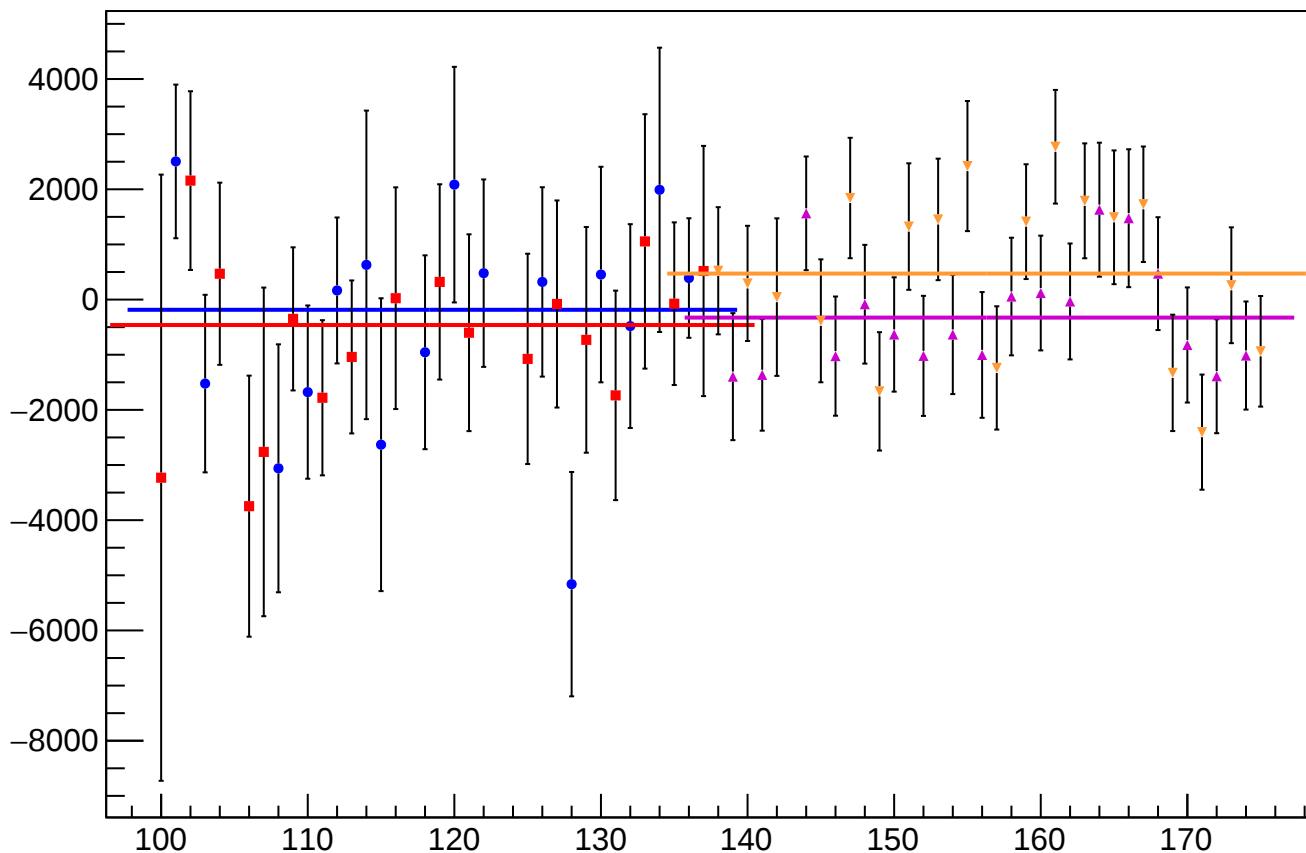
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1811.585+/-0.343 χ^2/NDF :450687.6/17

Out: 1815.687+/-0.341 χ^2/NDF :292718.1/18

All: 1813.650+/-0.242 χ^2/NDF : 743477.7/36

asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 471.781 ± 251.047 $\chi^2/\text{NDF}: 34.7/18$

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

Left In: -326.791 ± 252.650 $\chi^2/\text{NDF}: 14.1/17$

Left: 75.036 ± 178.081 $\chi^2/\text{NDF}: 53.9/36$

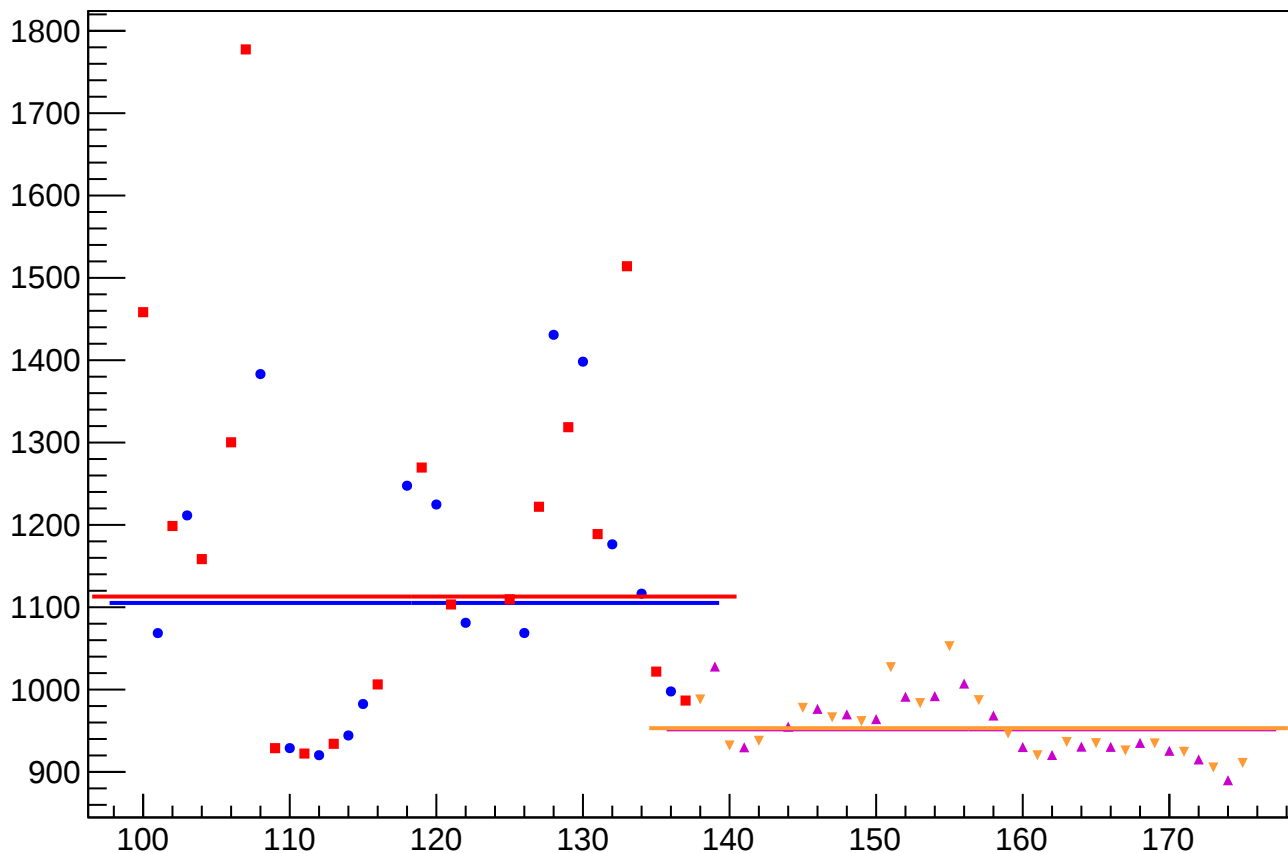
Right: -324.625 ± 303.483 $\chi^2/\text{NDF}: 25.2/33$

In: -290.604 ± 218.026 $\chi^2/\text{NDF}: 30.8/33$

Out: 232.044 ± 216.404 $\chi^2/\text{NDF}: 46.6/36$

All: -27.330 ± 153.591 $\chi^2/\text{NDF}: 80.3/70$

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 953.118 $\pm$ 0.178 χ^2/NDF : 44450.9/18

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

Left In: 951.687 $\pm$ 0.179 χ^2/NDF : 38324.7/17

Left: 952.407 $\pm$ 0.126 χ^2/NDF : 82807.8/36

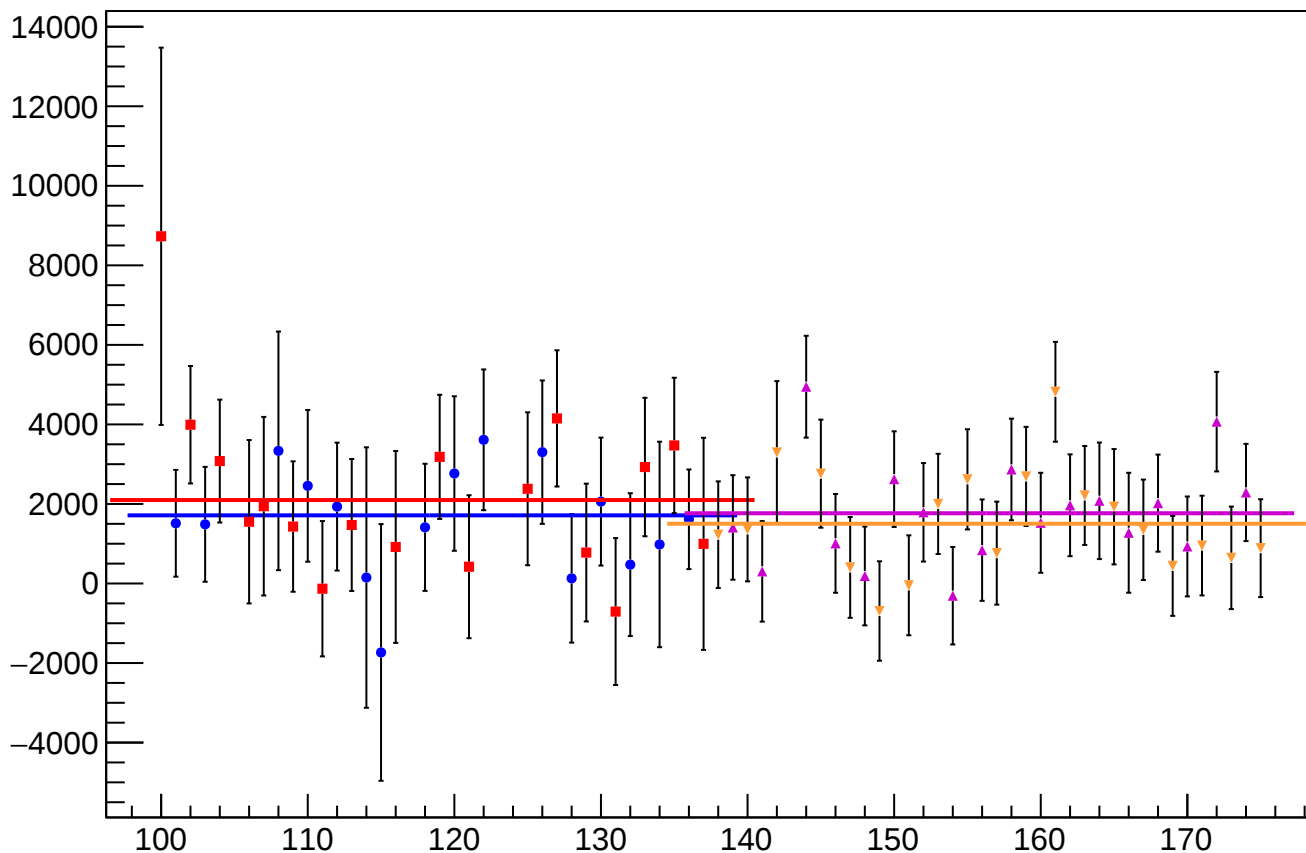
Right: 1109.146 $\pm$ 0.215 χ^2/NDF : 618686.6/33

In: 990.889 $\pm$ 0.154 χ^2/NDF : 482293.1/33

Out: 994.192 $\pm$ 0.153 χ^2/NDF : 615807.7/36

All: 992.553 $\pm$ 0.109 χ^2/NDF : 1098331.9/70

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1713.558 $\pm$ 440.802 χ^2/NDF : 5.7/15

Left Out: 1502.957 $\pm$ 297.393 χ^2/NDF : 18.4/18

Right Out: 2098.291 $\pm$ 431.016 χ^2/NDF : 13.1/17

Left In: 1766.595 $\pm$ 300.003 χ^2/NDF : 18.5/17

Left: 1633.624 $\pm$ 211.205 χ^2/NDF : 37.3/36

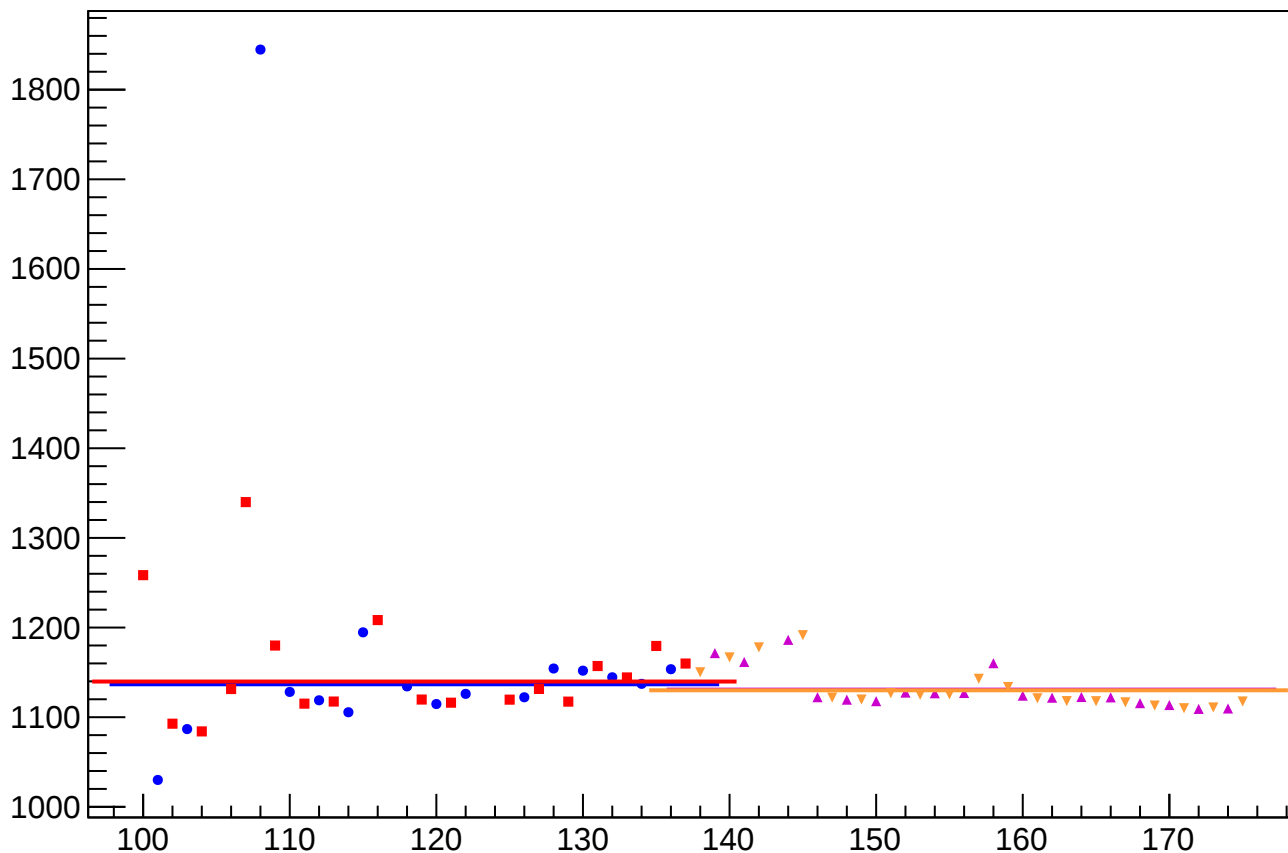
Right: 1910.242 $\pm$ 308.176 χ^2/NDF : 19.2/33

In: 1749.805 $\pm$ 248.013 χ^2/NDF : 24.2/33

Out: 1694.969 $\pm$ 244.781 χ^2/NDF : 32.8/36

All: 1722.027 $\pm$ 174.218 χ^2/NDF : 57.0/70

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1136.737 $\pm$ 0.312 χ^2 /NDF: 128798.3/15

Left Out: 1130.023 $\pm$ 0.210 χ^2 /NDF:10230.1/18

Right Out: 1139.790 $\pm$ 0.305 χ^2 /NDF: 28066.5/17

Left In: 1130.753 $\pm$ 0.212 χ^2 /NDF:10626.6/17

Left: 1130.385 $\pm$ 0.149 χ^2 /NDF: 20862.7/36

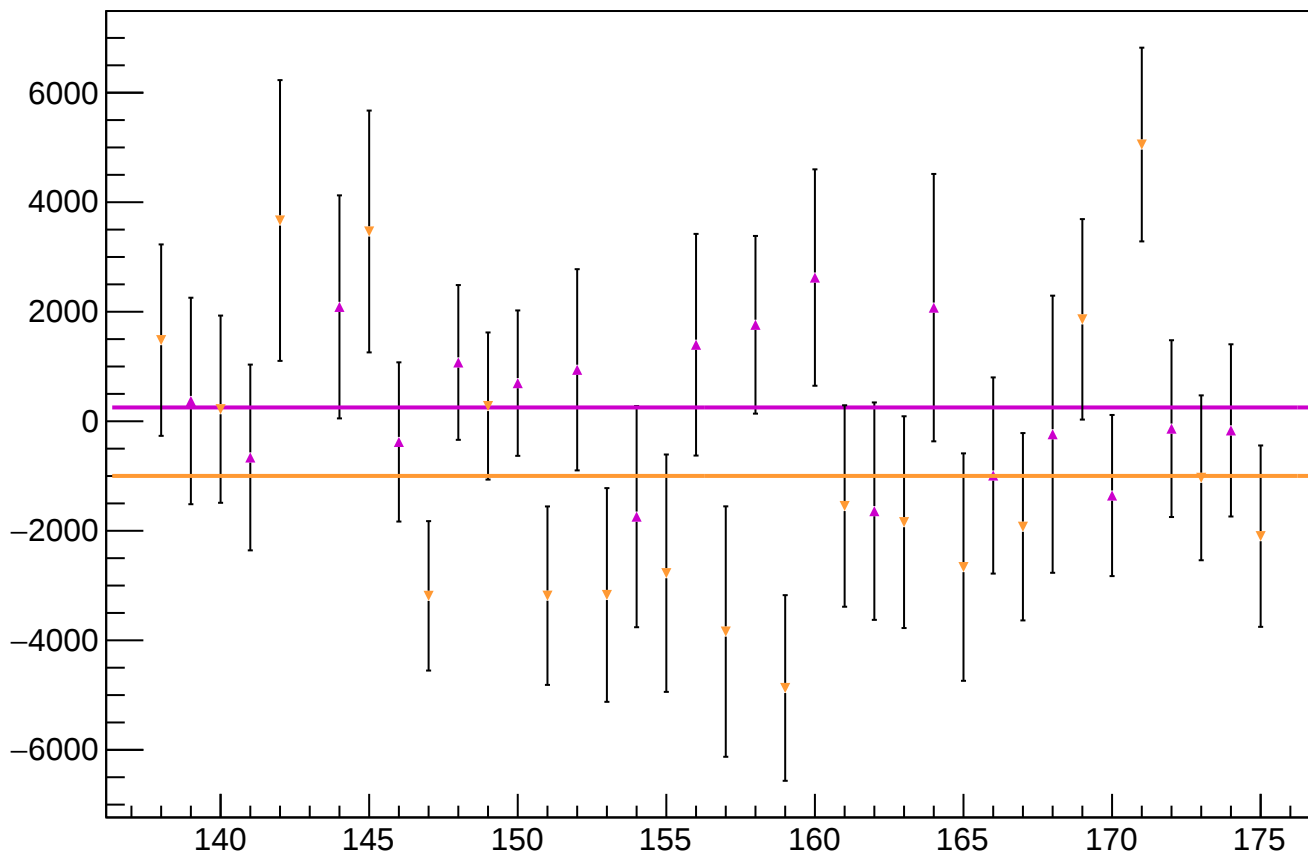
Right: 1138.298 $\pm$ 0.218 χ^2 /NDF: 156913.9/33

In: 1132.647 $\pm$ 0.175 χ^2 /NDF:139676.9/33

Out: 1133.173 $\pm$ 0.173 χ^2 /NDF:38992.4/36

All: 1132.914 $\pm$ 0.123 χ^2 /NDF: 178673.8/70

asym_usl_correction_mean vs Slug, Sign Corrected



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

Left Out: -997.884+/-405.877 χ^2/NDF :39.7/18

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

Left In: 252.368+/-409.180 χ^2/NDF :8.8/17

Left: -377.825+/-288.159 χ^2/NDF : 53.2/36

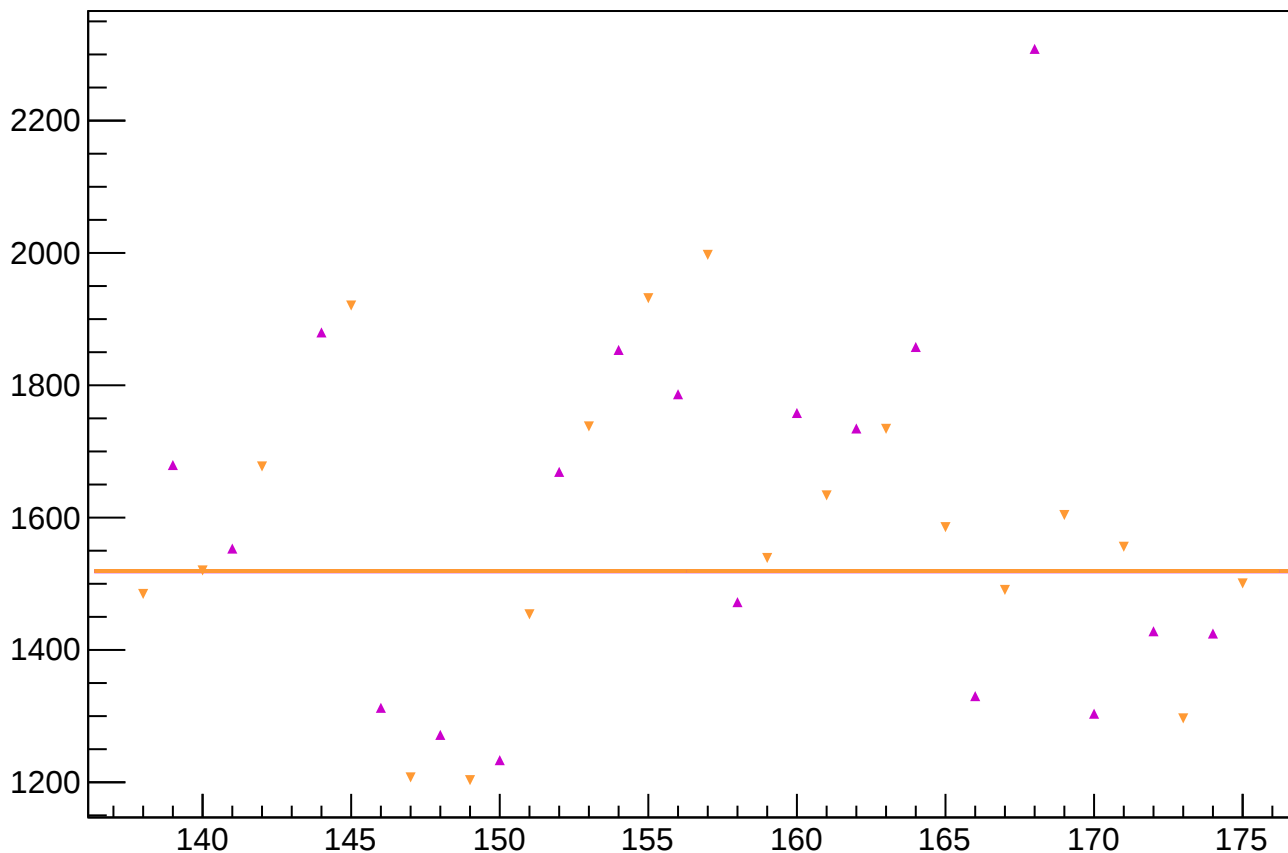
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 252.368+/-409.180 χ^2/NDF :8.8/17

Out: -997.884+/-405.877 χ^2/NDF :39.7/18

All: -377.825+/-288.159 χ^2/NDF : 53.2/36

asym_usl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1519.304+/-0.287 χ^2/NDF :562162.1/18

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

Left In: 1518.930+/-0.289 χ^2/NDF :741781.9/17

Left: 1519.119+/-0.204 χ^2/NDF : 1303944.8/36

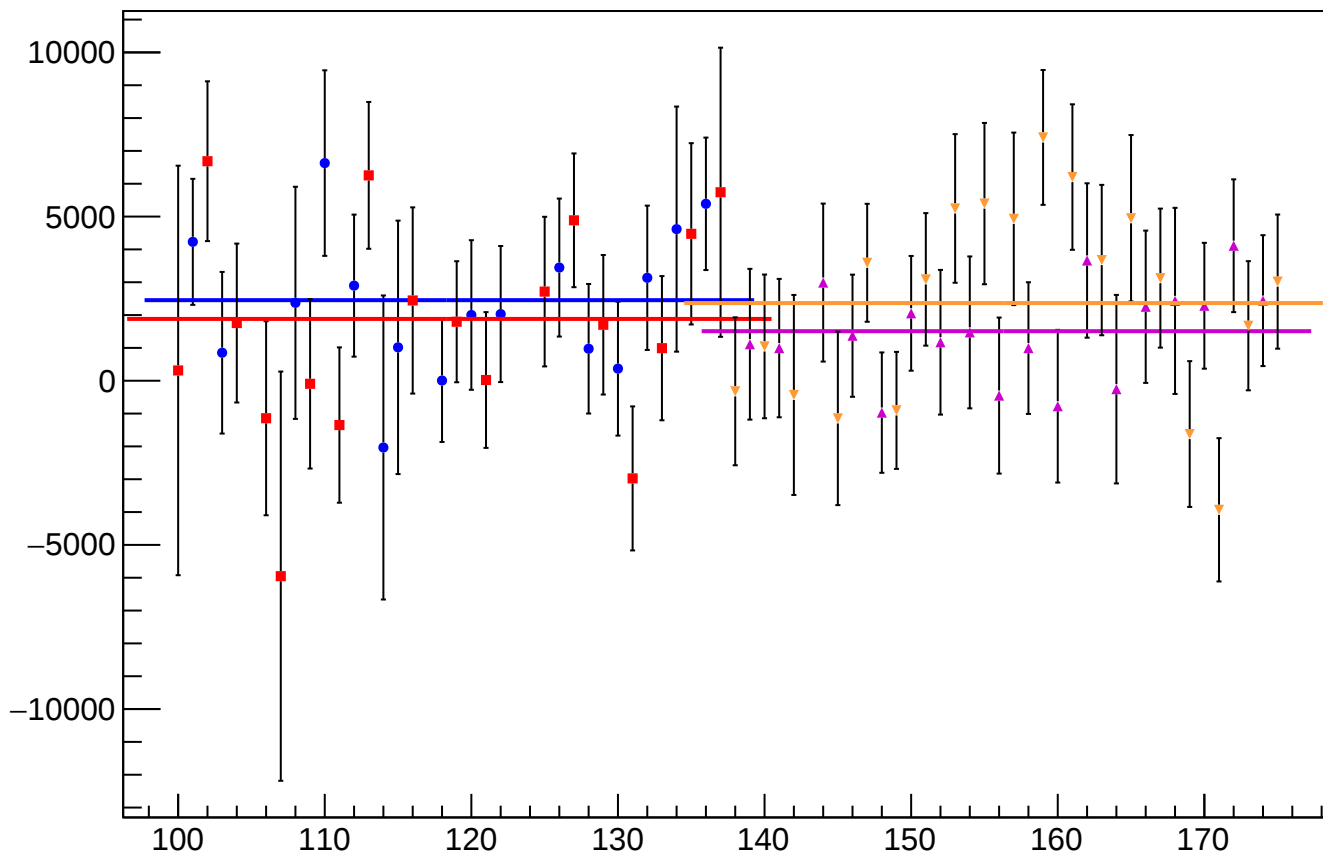
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1518.930+/-0.289 χ^2/NDF :741781.9/17

Out: 1519.304+/-0.287 χ^2/NDF :562162.1/18

All: 1519.119+/-0.204 χ^2/NDF : 1303944.8/36

asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 2365.721 $\pm$ 502.889 χ^2/NDF : 34.8/18

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

Left In: 1509.173 $\pm$ 507.267 χ^2/NDF : 7.6/17

Left: 1941.159 $\pm$ 357.134 χ^2/NDF : 43.8/36

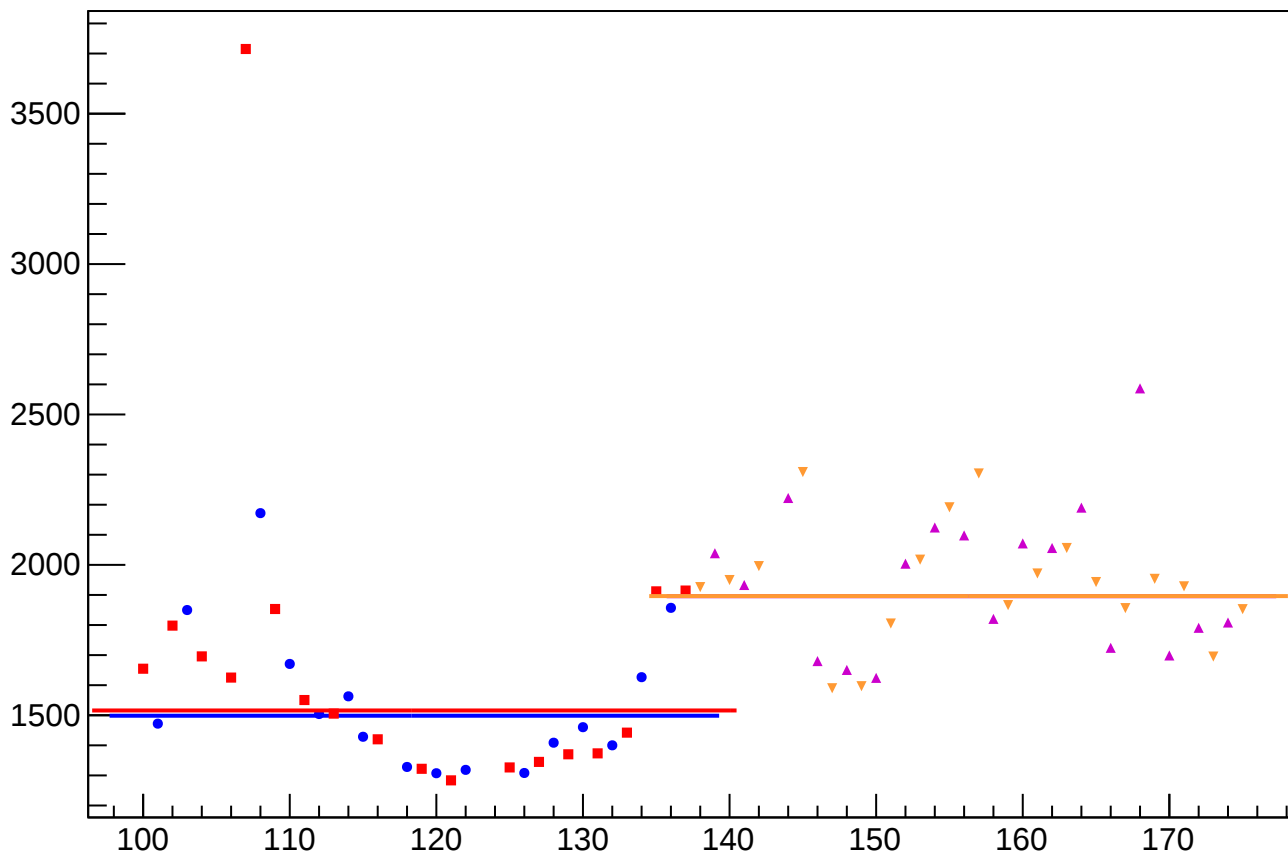
Right: 2167.665 $\pm$ 412.771 χ^2/NDF : 34.0/33

In: 1915.092 $\pm$ 383.054 χ^2/NDF : 19.8/33

Out: 2159.752 $\pm$ 380.848 χ^2/NDF : 57.9/36

All: 2038.129 $\pm$ 270.077 χ^2/NDF : 78.0/70

asym_usl_rms vs Slug, Sign Corrected



Right In: 1498.485+/-0.413 χ^2/NDF : 258807.5/15

Left Out: 1896.195+/-0.356 χ^2/NDF : 291423.2/18

Right Out: 1515.949+/-0.412 χ^2/NDF : 480541.4/17

Left In: 1895.778+/-0.359 χ^2/NDF : 399614.3/17

Left: 1895.988+/-0.253 χ^2/NDF : 691038.2/36

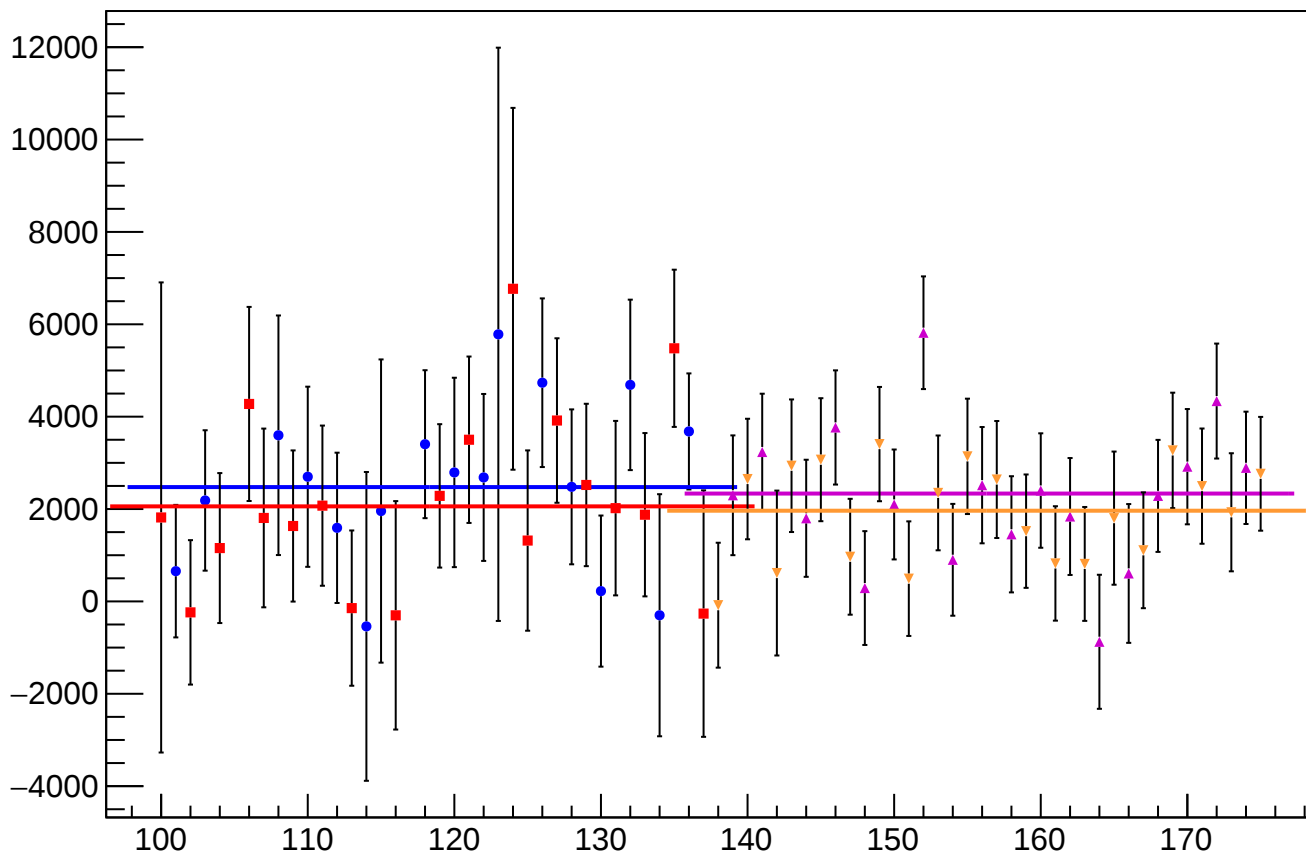
Right: 1507.233+/-0.292 χ^2/NDF : 740243.9/33

In: 1725.032+/-0.271 χ^2/NDF : 1185674.4/33

Out: 1734.032+/-0.269 χ^2/NDF : 1259606.0/36

All: 1729.558+/-0.191 χ^2/NDF : 2445835.7/70

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2475.300 $\pm$ 449.379 χ^2/NDF : 10.5/16

Left Out: 1963.743 $\pm$ 288.775 χ^2/NDF :13.0/19

Right Out: 2057.800 $\pm$ 433.574 χ^2/NDF : 14.5/18

Left In: 2335.133 $\pm$ 297.240 χ^2/NDF :24.3/17

Left: 2144.074 $\pm$ 207.123 χ^2/NDF : 38.1/37

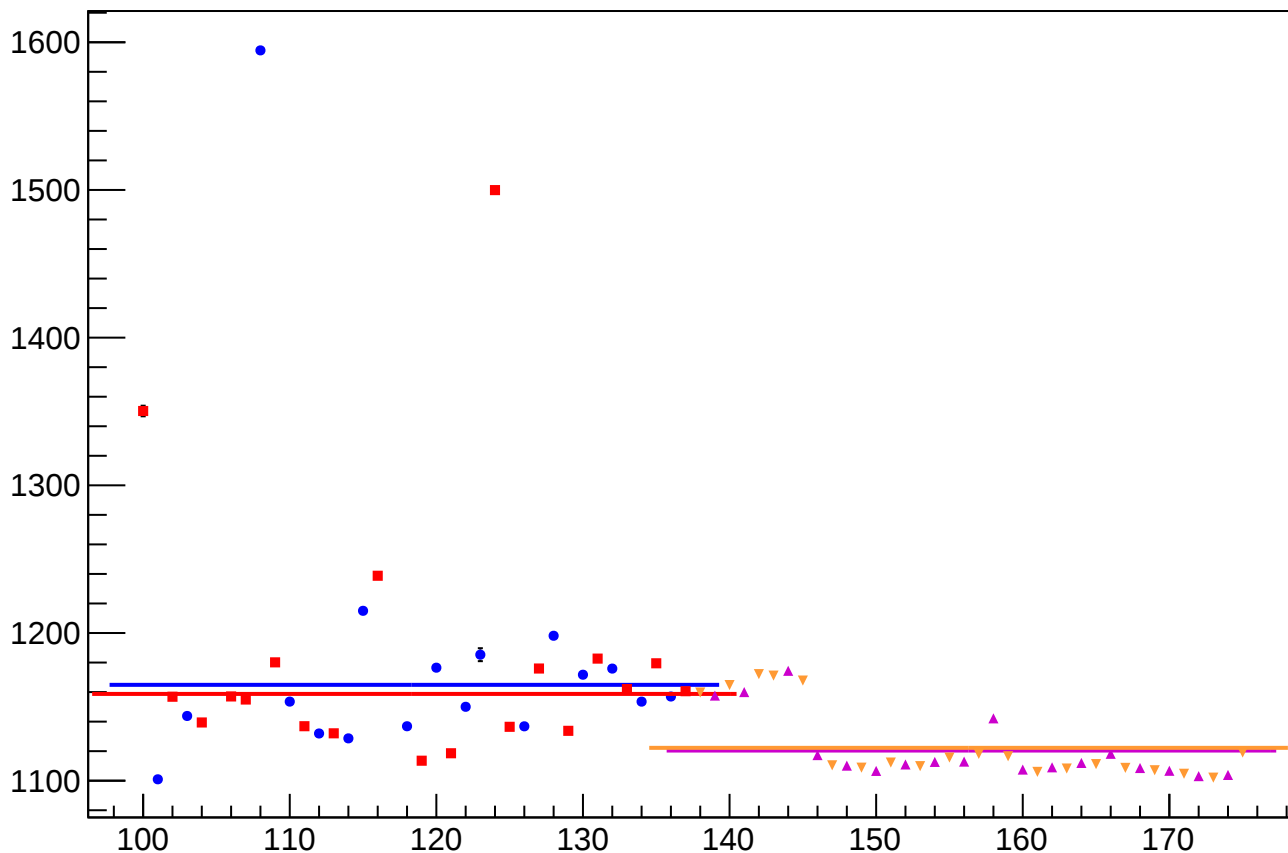
Right: 2259.079 $\pm$ 312.021 χ^2/NDF : 25.5/35

In: 2377.793 $\pm$ 247.914 χ^2/NDF :34.9/34

Out: 1992.645 $\pm$ 240.346 χ^2/NDF :27.5/38

All: 2179.250 $\pm$ 172.564 χ^2/NDF : 63.7/73

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1164.904 $\pm$ 0.318 χ^2/NDF : 63136.4/16

Left Out: 1122.247 $\pm$ 0.204 χ^2/NDF :12903.0/19

Right Out: 1158.758 $\pm$ 0.307 χ^2/NDF : 25723.5/18

Left In: 1120.417 $\pm$ 0.210 χ^2/NDF :10169.6/17

Left: 1121.358 $\pm$ 0.146 χ^2/NDF : 23111.6/37

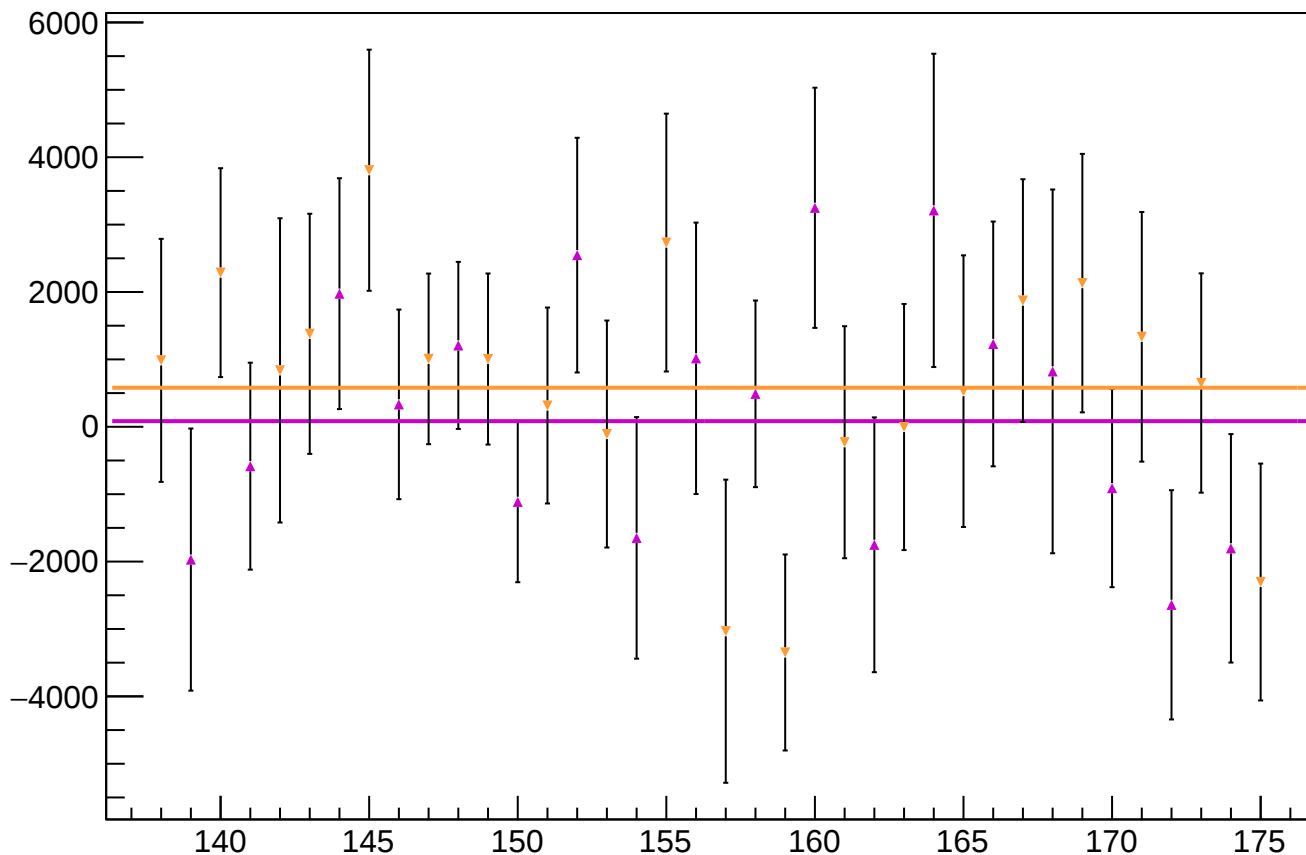
Right: 1161.721 $\pm$ 0.221 χ^2/NDF : 89053.7/35

In: 1133.957 $\pm$ 0.175 χ^2/NDF :86941.3/34

Out: 1133.466 $\pm$ 0.170 χ^2/NDF :48450.8/38

All: 1133.704 $\pm$ 0.122 χ^2/NDF : 135396.2/73

asym_usr_correction_mean vs Slug, Sign Corrected



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

Left Out: 579.848+/-377.459 χ^2/NDF :20.7/19

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

Left In: 83.993+/-387.068 χ^2/NDF :18.3/17

Left: 338.152+/-270.237 χ^2/NDF : 39.8/37

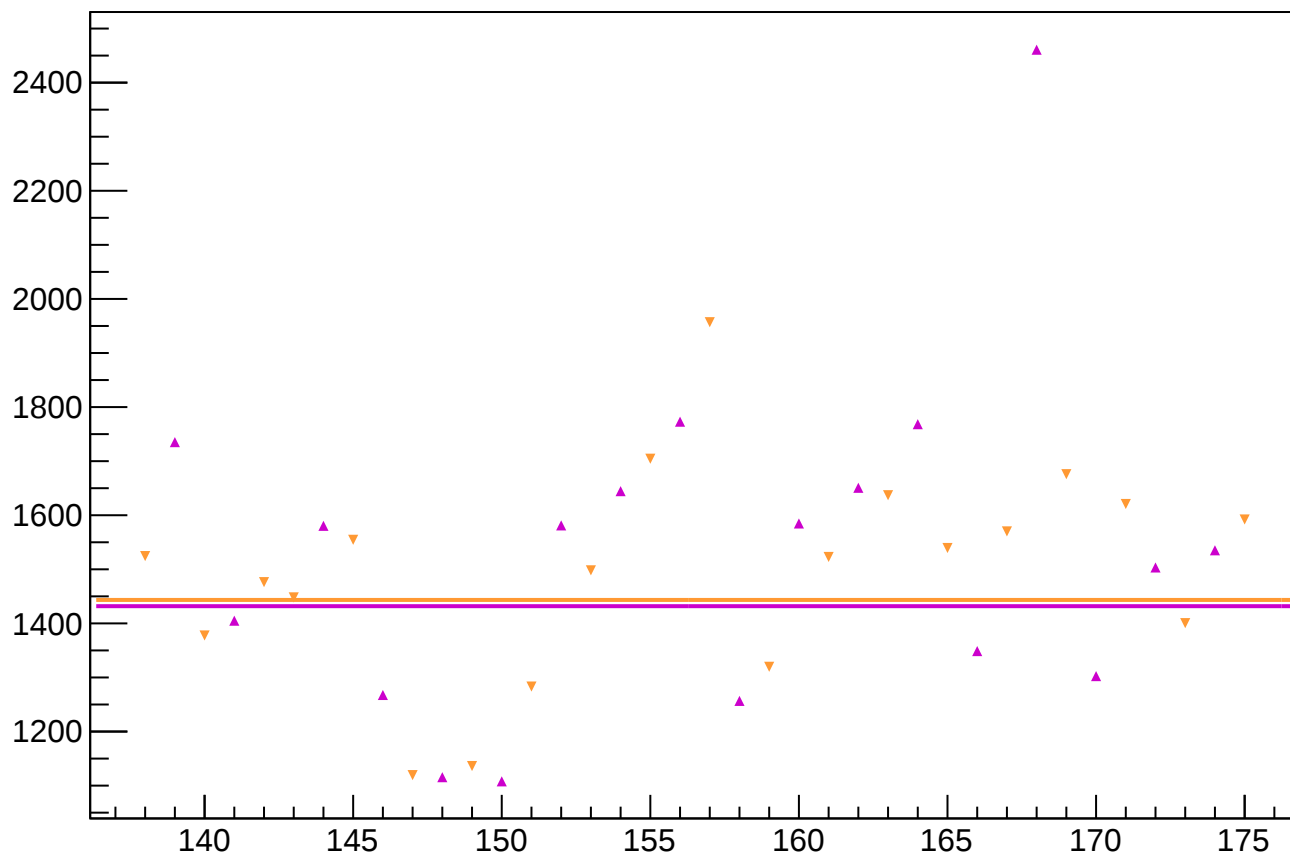
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 83.993+/-387.068 χ^2/NDF :18.3/17

Out: 579.848+/-377.459 χ^2/NDF :20.7/19

All: 338.152+/-270.237 χ^2/NDF : 39.8/37

asym_usr_correction_rms vs Slug, Sign Corrected



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

Left Out: 1443.375+/-0.267 χ^2/NDF : 550980.3/19

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

Left In: 1431.826+/-0.274 χ^2/NDF : 906492.7/17

Left: 1437.746+/-0.191 χ^2/NDF : 1458385.7/37

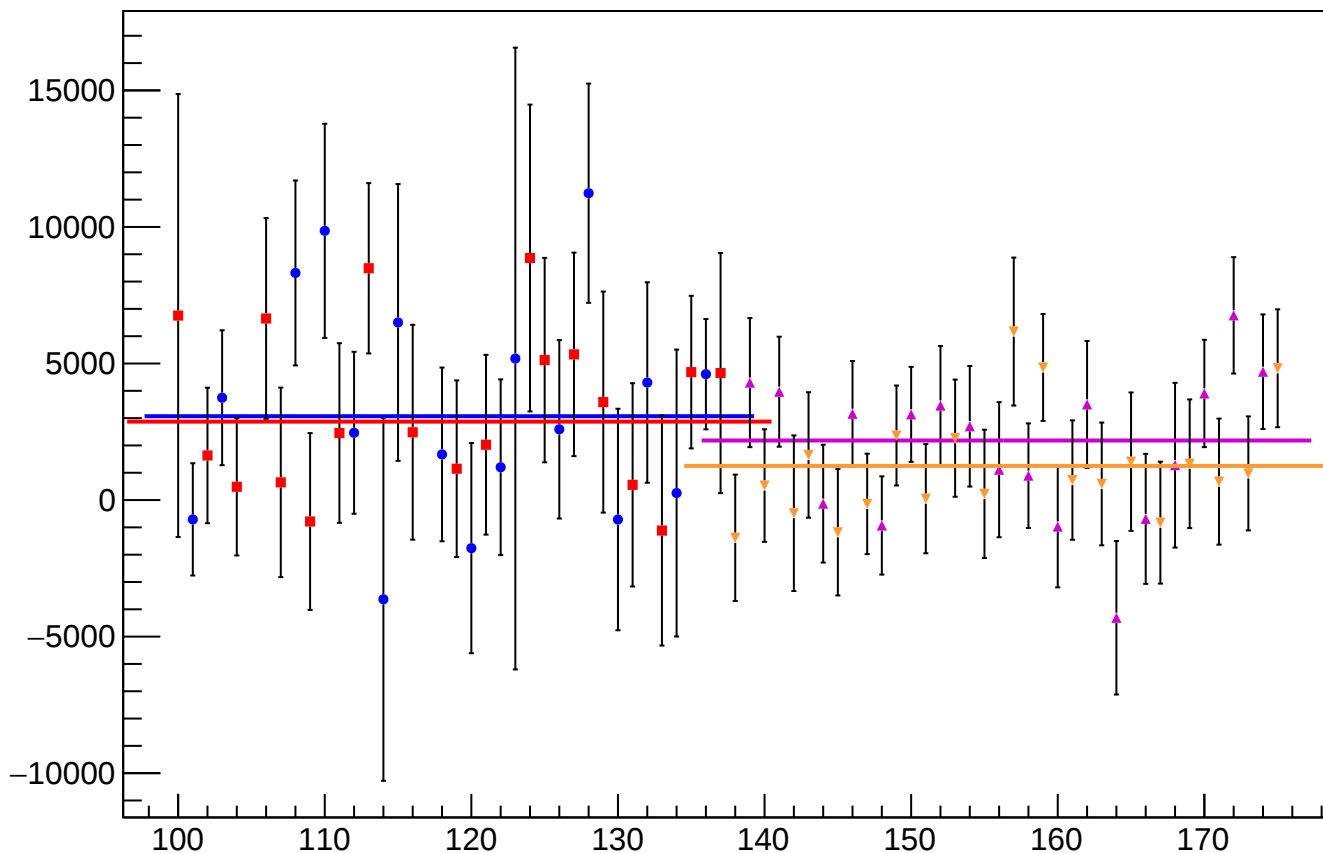
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1431.826+/-0.274 χ^2/NDF : 906492.7/17

Out: 1443.375+/-0.267 χ^2/NDF : 550980.3/19

All: 1437.746+/-0.191 χ^2/NDF : 1458385.7/37

asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 1249.516 $\pm$ 491.561 χ^2 /NDF: 15.2/19

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

Left In: 2180.938 $\pm$ 505.925 χ^2 /NDF: 23.4/17

Left: 1701.817 $\pm$ 352.555 χ^2 /NDF: 40.3/37

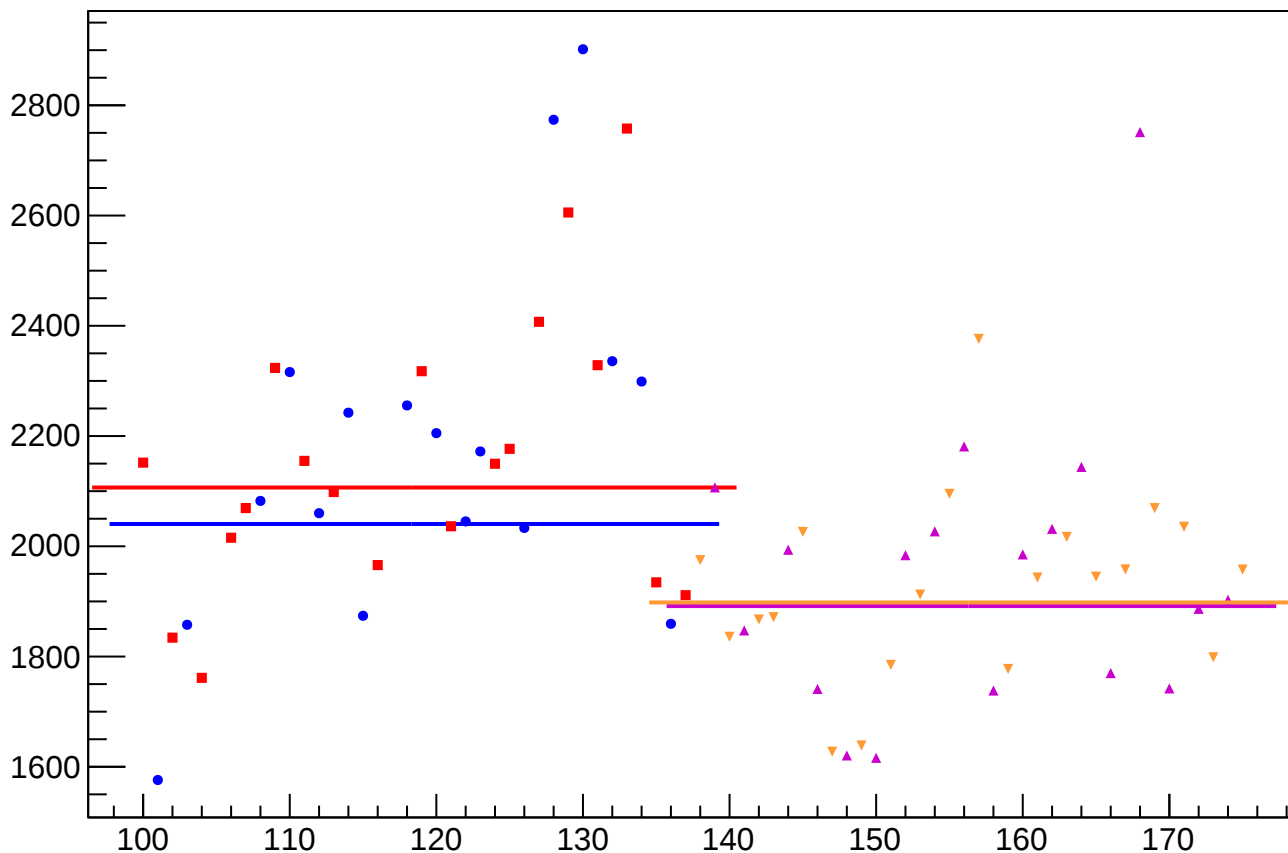
Right: 2970.754 $\pm$ 563.242 χ^2 /NDF: 30.1/35

In: 2435.807 $\pm$ 427.248 χ^2 /NDF: 42.8/34

Out: 1698.137 $\pm$ 418.145 χ^2 /NDF: 29.8/38

All: 2059.030 $\pm$ 298.840 χ^2 /NDF: 74.1/73

asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1898.160+/-0.348 χ^2/NDF : 217003.6/19

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

Left In: 1891.536+/-0.358 χ^2/NDF : 387396.7/17

Left: 1894.943+/-0.249 χ^2/NDF : 604576.7/37

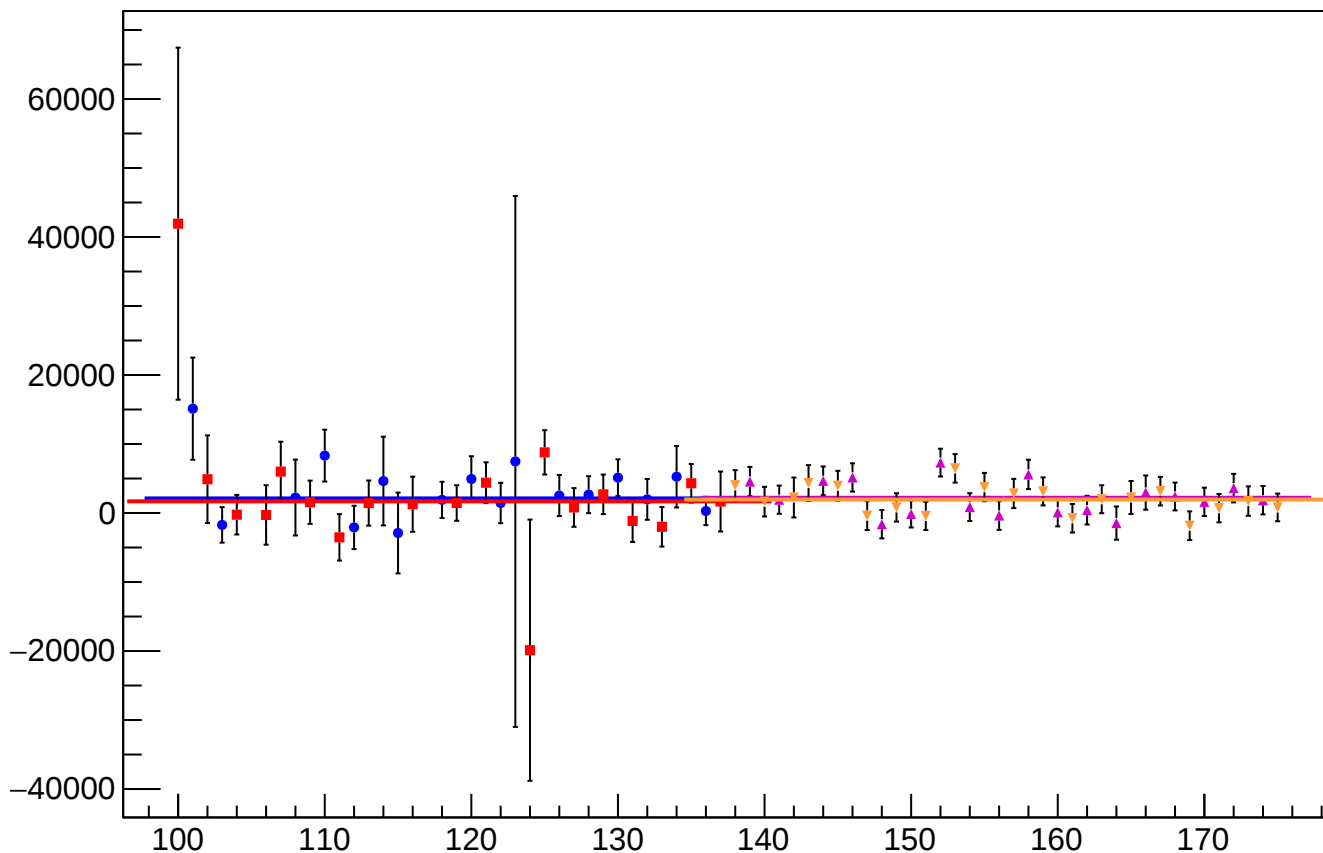
Right: 2073.628+/-0.398 χ^2/NDF : 533659.8/35

In: 1934.245+/-0.302 χ^2/NDF : 768426.6/34

Out: 1955.779+/-0.296 χ^2/NDF : 511838.2/38

All: 1945.244+/-0.211 χ^2/NDF : 1282859.7/73

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2115.027+/-795.794 χ^2/NDF : 14.2/16

Left Out: 1949.685+/-478.395 χ^2/NDF : 17.7/19

Right Out: 1691.127+/-784.678 χ^2/NDF : 17.5/18

Left In: 2210.522+/-491.536 χ^2/NDF : 25.4/17

Left: 2076.570+/-342.828 χ^2/NDF : 43.2/37

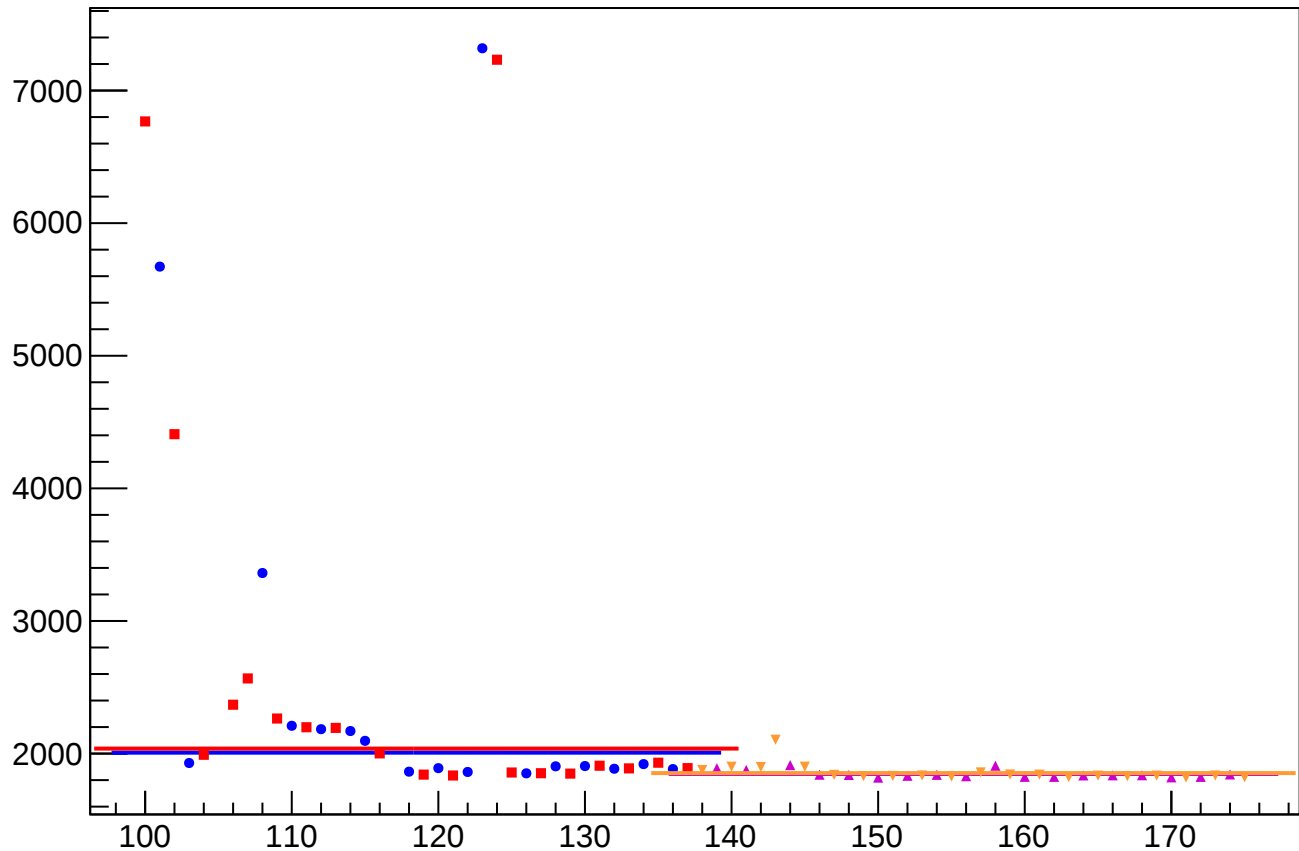
Right: 1900.096+/-558.740 χ^2/NDF : 31.8/35

In: 2184.151+/-418.194 χ^2/NDF : 39.5/34

Out: 1879.622+/-408.467 χ^2/NDF : 35.2/38

All: 2028.304+/-292.208 χ^2/NDF : 75.0/73

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2007.037 $\pm$ 0.563 χ^2 /NDF: 702361.7/16

Left Out: 1852.878 $\pm$ 0.338 χ^2 /NDF: 24684.5/19

Right Out: 2037.781 $\pm$ 0.555 χ^2 /NDF: 618966.5/18

Left In: 1846.101 $\pm$ 0.348 χ^2 /NDF: 6847.1/17

Left: 1849.581 $\pm$ 0.242 χ^2 /NDF: 31726.9/37

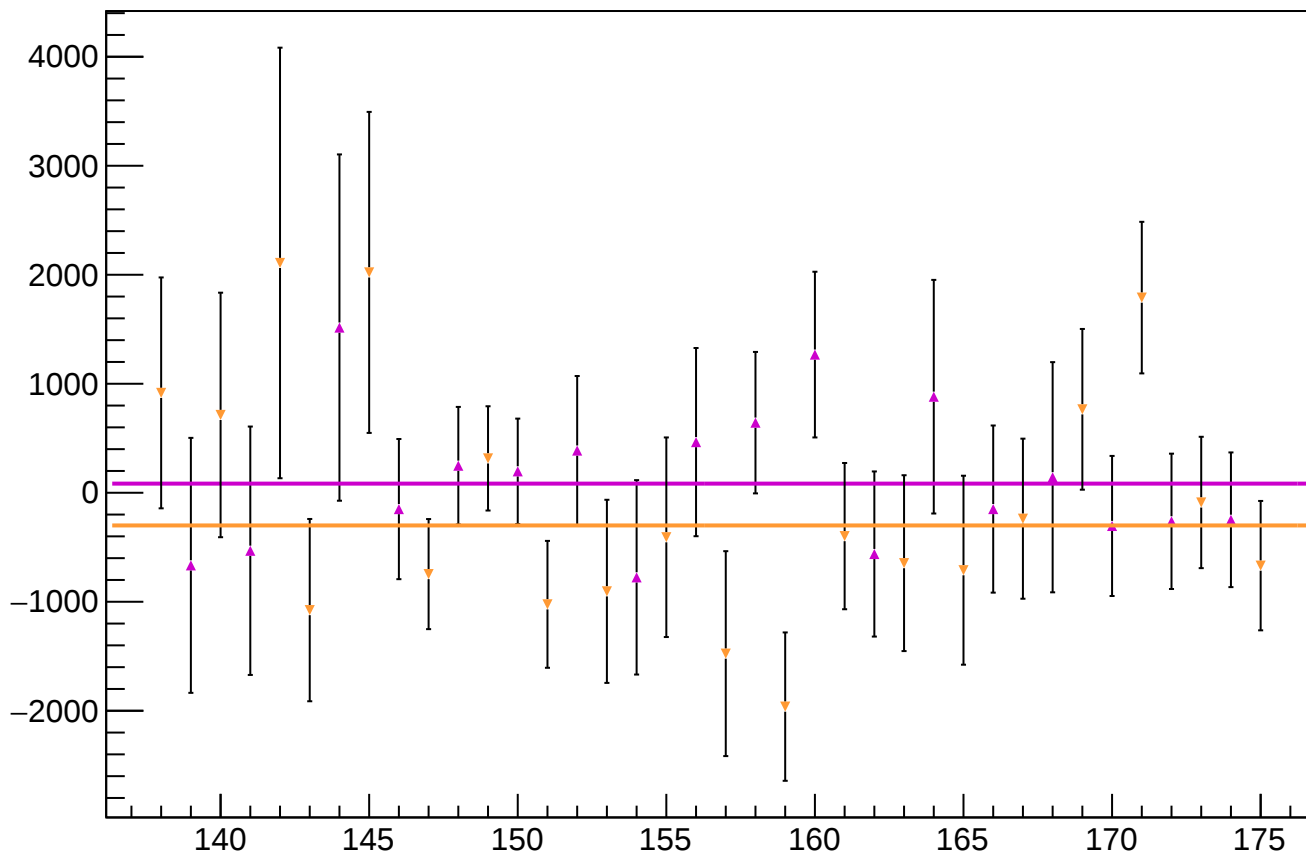
Right: 2022.626 $\pm$ 0.395 χ^2 /NDF: 1322841.6/35

In: 1890.544 $\pm$ 0.296 χ^2 /NDF: 768417.2/34

Out: 1902.983 $\pm$ 0.289 χ^2 /NDF: 724612.4/38

All: 1896.910 $\pm$ 0.207 χ^2 /NDF: 1493935.1/73

asym_at1_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -299.836+/-163.462 χ^2/NDF :31.1/19

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

Left In: 83.822+/-172.208 χ^2/NDF :8.6/17

Left: -117.996+/-118.557 χ^2/NDF : 42.3/37

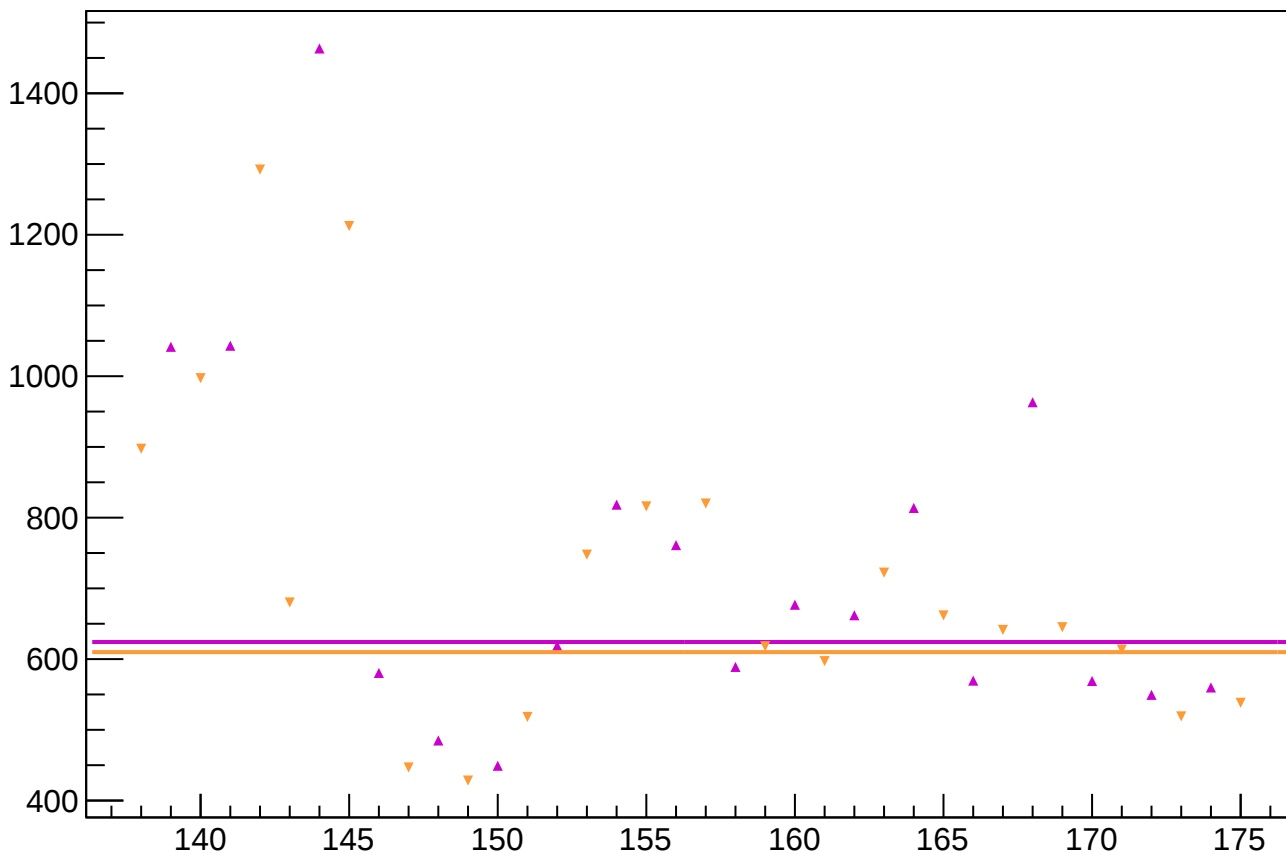
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 83.822+/-172.208 χ^2/NDF :8.6/17

Out: -299.836+/-163.462 χ^2/NDF :31.1/19

All: -117.996+/-118.557 χ^2/NDF : 42.3/37

asym_at1_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 609.891+/-0.116 χ^2/NDF :1905041.0/19

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

Left In: 624.157+/-0.122 χ^2/NDF :1997611.5/17

Left: 616.652+/-0.084 χ^2/NDF : 3909872.4/37

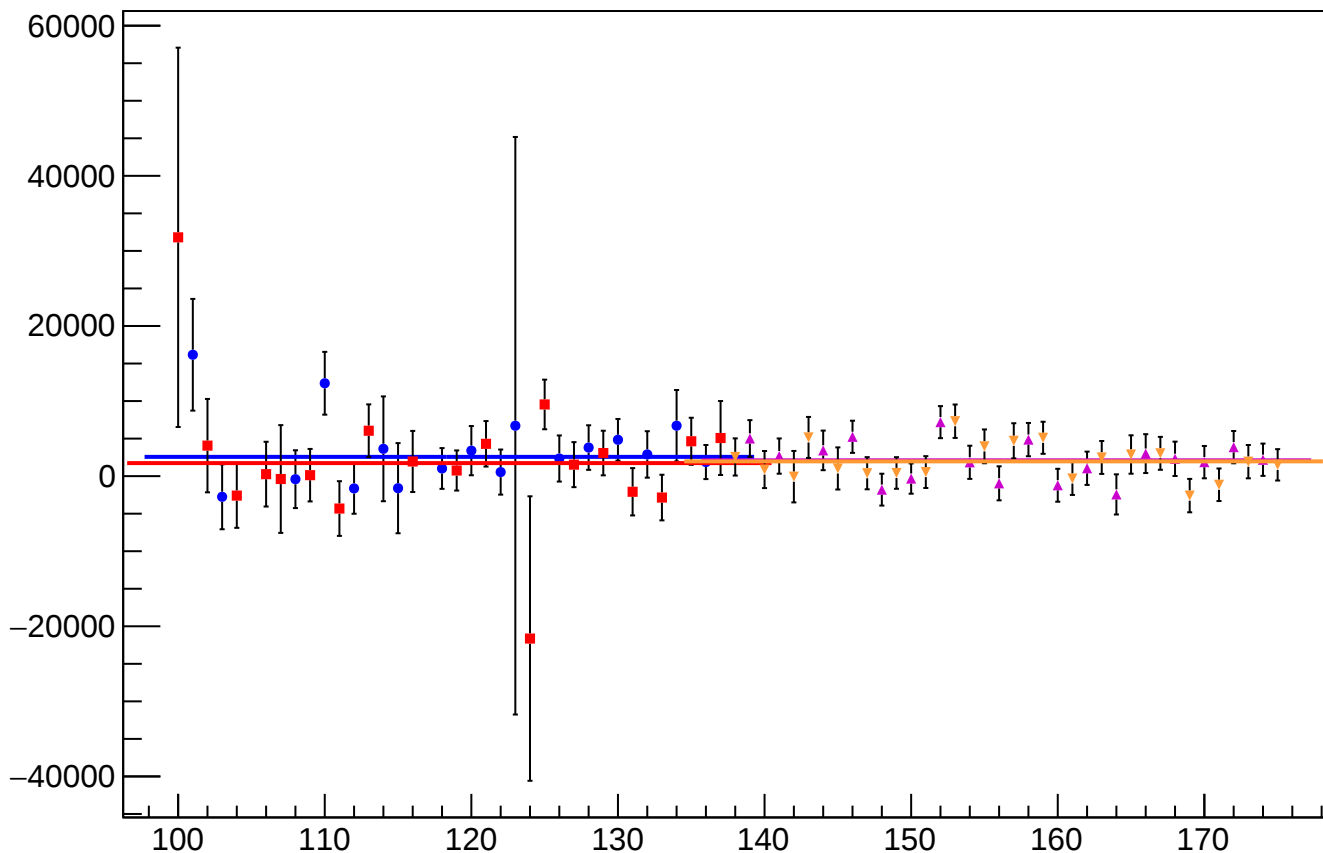
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 624.157+/-0.122 χ^2/NDF :1997611.5/17

Out: 609.891+/-0.116 χ^2/NDF :1905041.0/19

All: 616.652+/-0.084 χ^2/NDF : 3909872.4/37

asym_at1_avg_mean vs Slug, Sign Corrected



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

Left Out: 1968.123 $\pm$ 515.352 χ^2 /NDF:21.5/19

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

Left In: 2105.741 $\pm$ 531.348 χ^2 /NDF:24.0/17

Left: 2034.829 $\pm$ 369.935 χ^2 /NDF: 45.6/37

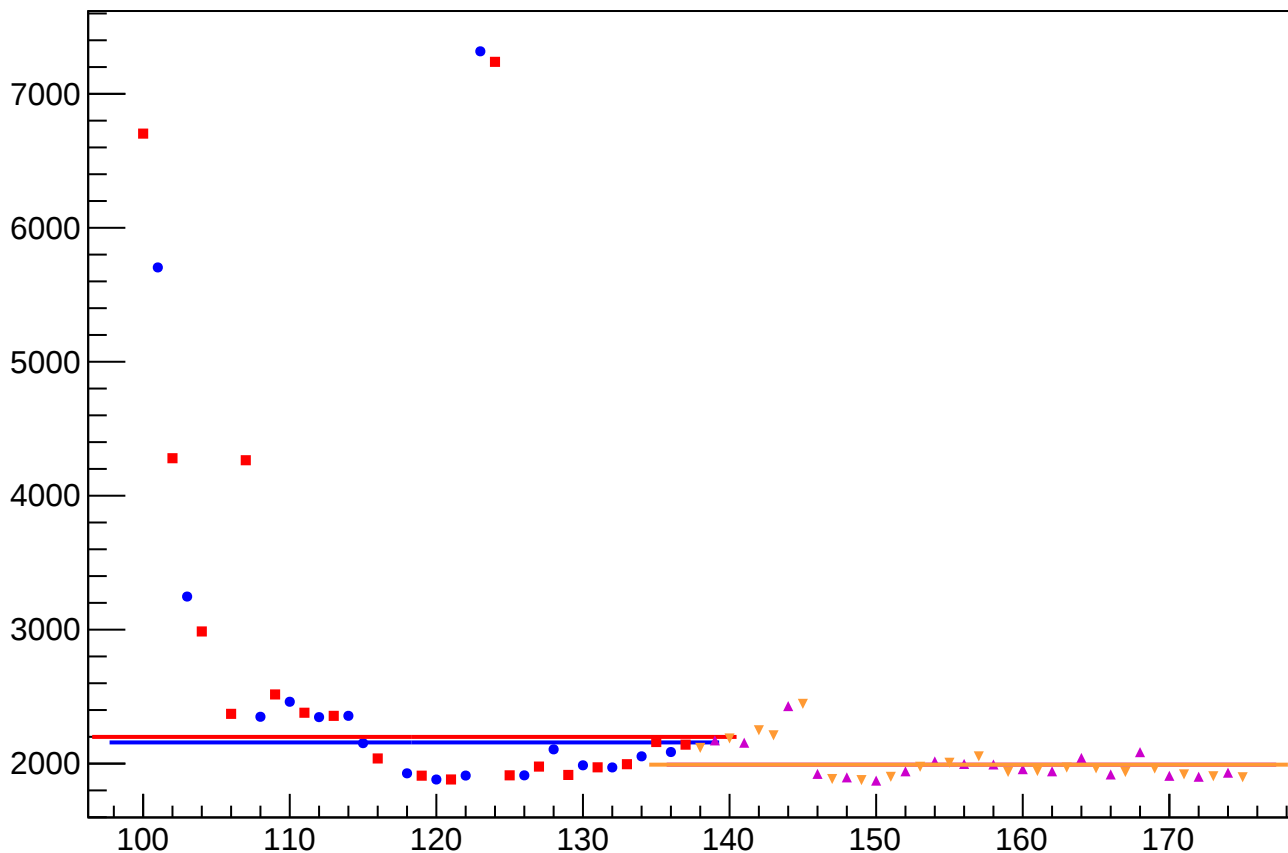
Right: 2150.830 $\pm$ 604.316 χ^2 /NDF: 36.5/35

In: 2233.960 $\pm$ 451.459 χ^2 /NDF:39.8/34

Out: 1906.521 $\pm$ 441.124 χ^2 /NDF:42.1/38

All: 2066.449 $\pm$ 315.512 χ^2 /NDF: 82.2/73

asym_at1_avg_rms vs Slug, Sign Corrected



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

Left Out: 1992.139 $\pm$ 0.364 χ^2 /NDF:124008.3/19

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

Left In: 1992.078 $\pm$ 0.376 χ^2 /NDF:105261.2/17

Left: 1992.109 $\pm$ 0.262 χ^2 /NDF: 229269.5/37

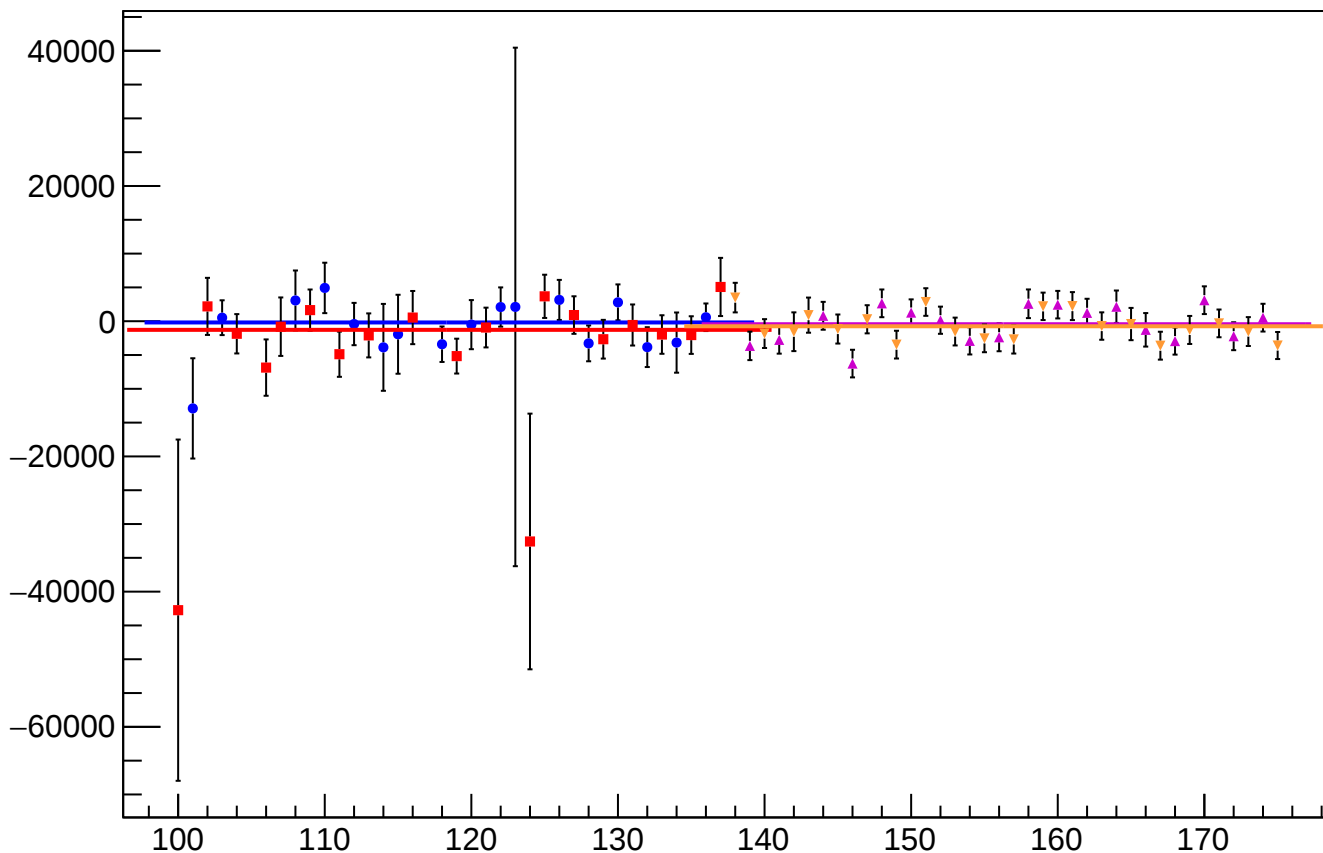
Right: 2178.816 $\pm$ 0.427 χ^2 /NDF: 1519207.5/35

In: 2038.262 $\pm$ 0.319 χ^2 /NDF:873455.2/34

Out: 2047.530 $\pm$ 0.312 χ^2 /NDF:1013459.2/38

All: 2043.003 $\pm$ 0.223 χ^2 /NDF: 1887345.6/73

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -184.386 ± 792.384 χ^2/NDF : 14.0/16

Left Out: -747.742 ± 476.871 χ^2/NDF : 19.8/19

Right Out: -1277.929 ± 772.384 χ^2/NDF : 18.2/18

Left In: -446.481 ± 490.252 χ^2/NDF : 29.1/17

Left: -601.279 ± 341.832 χ^2/NDF : 49.1/37

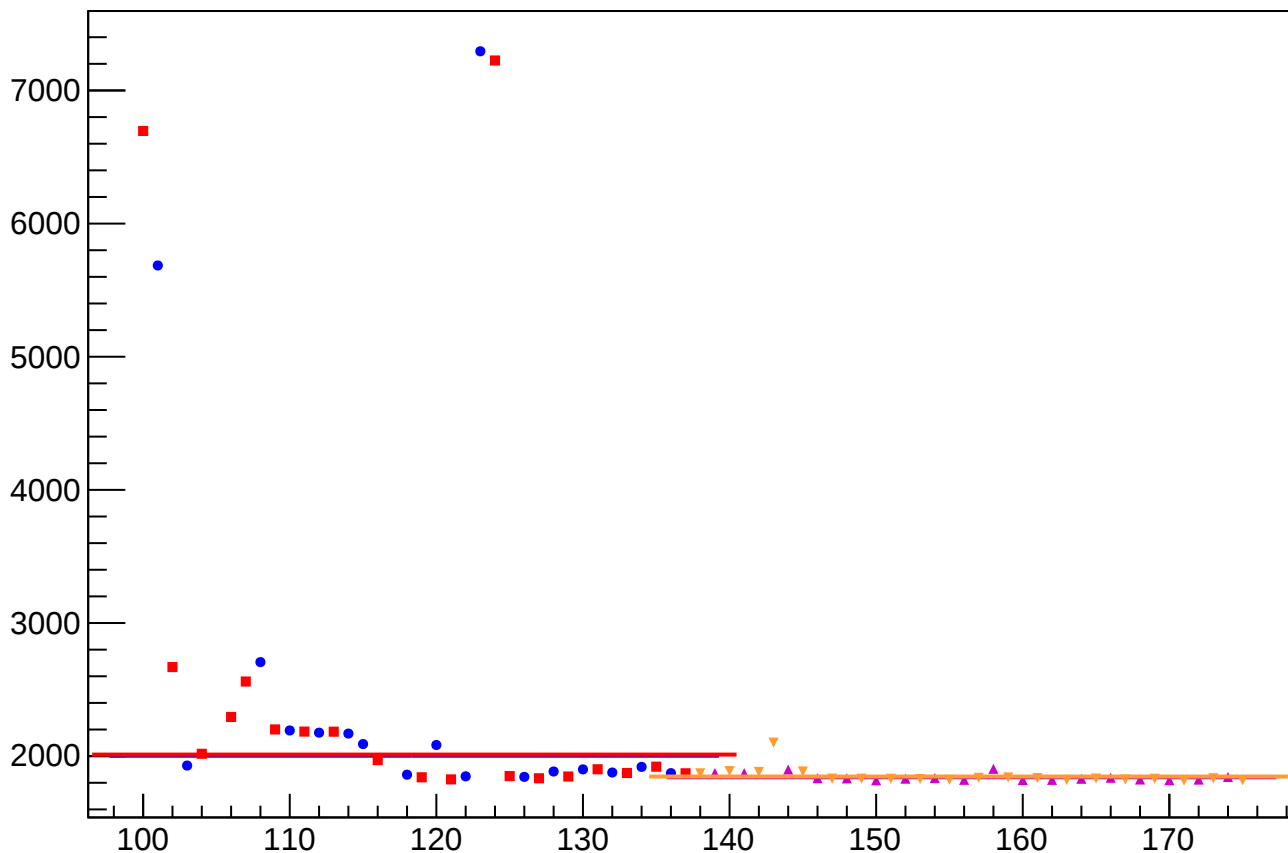
Right: -745.132 ± 553.094 χ^2/NDF : 33.2/35

In: -373.926 ± 416.908 χ^2/NDF : 43.2/34

Out: -894.065 ± 405.766 χ^2/NDF : 38.4/38

All: -641.039 ± 290.779 χ^2/NDF : 82.4/73

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2003.545 $\pm$ 0.560 χ^2 /NDF: 634133.6/16

Left Out: 1847.058 $\pm$ 0.337 χ^2 /NDF:23761.9/19

Right Out: 2011.800 $\pm$ 0.546 χ^2 /NDF: 377955.0/18

Left In: 1841.341 $\pm$ 0.347 χ^2 /NDF:5799.7/17

Left: 1844.278 $\pm$ 0.242 χ^2 /NDF: 29701.3/37

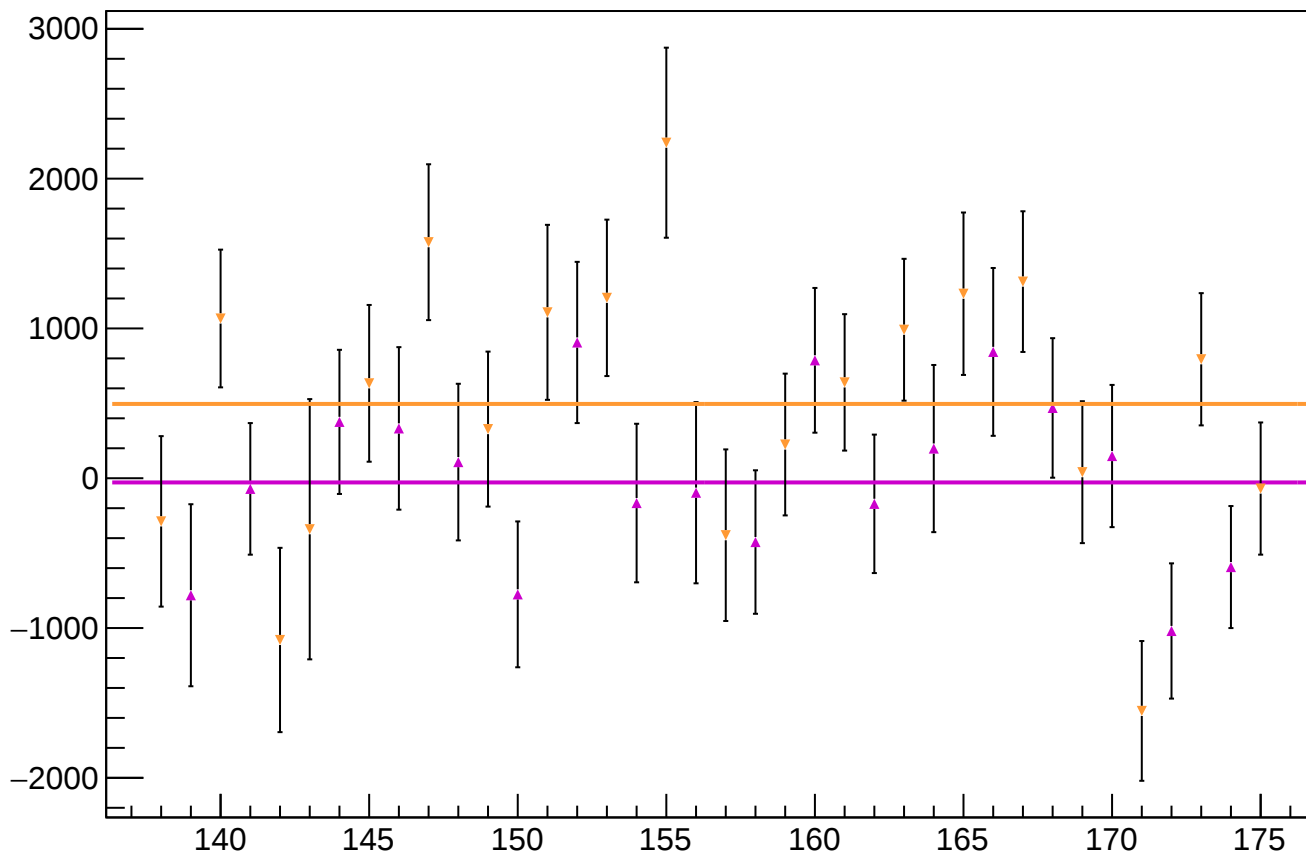
Right: 2007.778 $\pm$ 0.391 χ^2 /NDF: 1012199.9/35

In: 1886.243 $\pm$ 0.295 χ^2 /NDF:700540.1/34

Out: 1892.524 $\pm$ 0.287 χ^2 /NDF:467592.1/38

All: 1889.469 $\pm$ 0.206 χ^2 /NDF: 1168365.3/73

asym_at1_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 496.037+/-114.698 χ^2/NDF :56.9/19

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

Left In: -28.068+/-117.081 χ^2/NDF :22.5/17

Left: 239.371+/-81.933 χ^2/NDF : 89.6/37

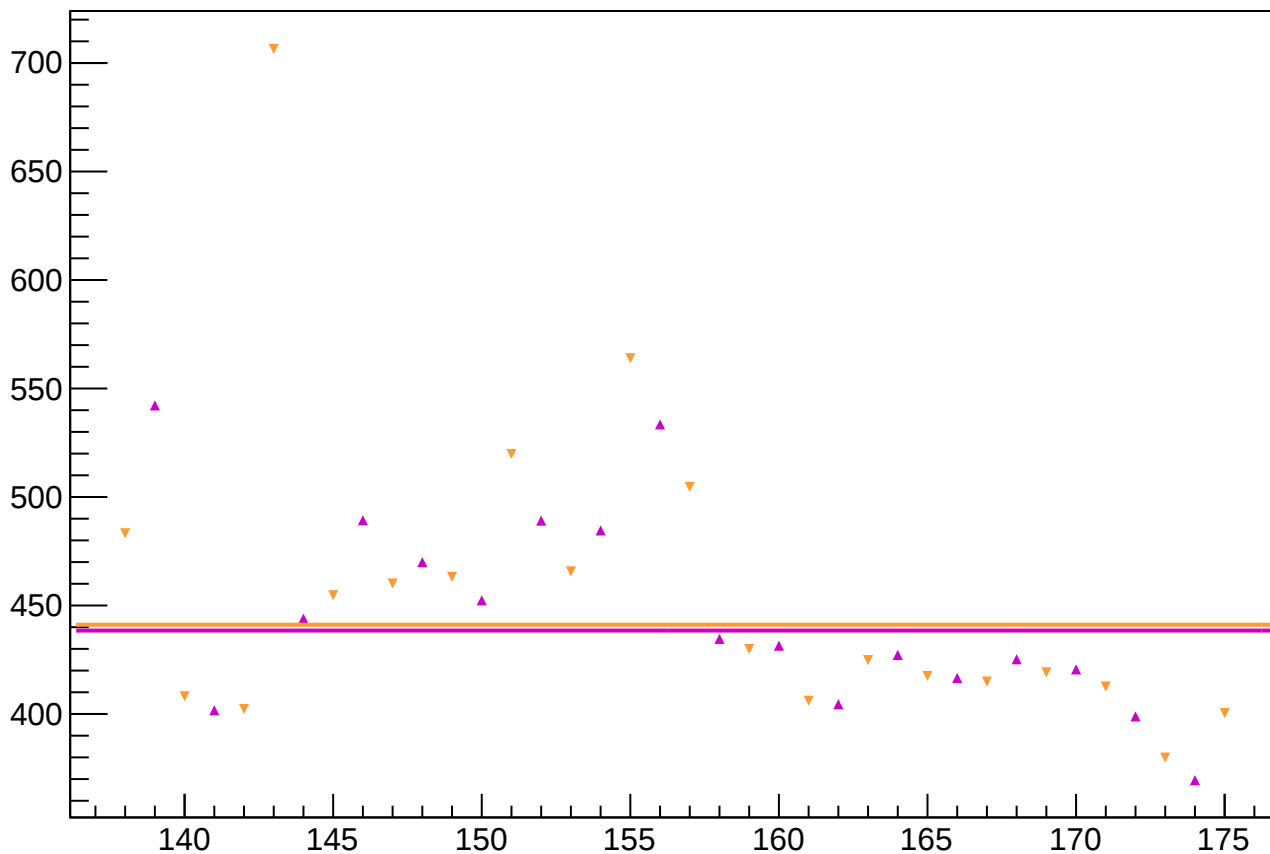
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -28.068+/-117.081 χ^2/NDF :22.5/17

Out: 496.037+/-114.698 χ^2/NDF :56.9/19

All: 239.371+/-81.933 χ^2/NDF : 89.6/37

asym_at1_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 441.147+/-0.081 χ^2/NDF :456443.2/19

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

Left In: 438.444+/-0.083 χ^2/NDF :273685.3/17

Left: 439.823+/-0.058 χ^2/NDF : 730672.4/37

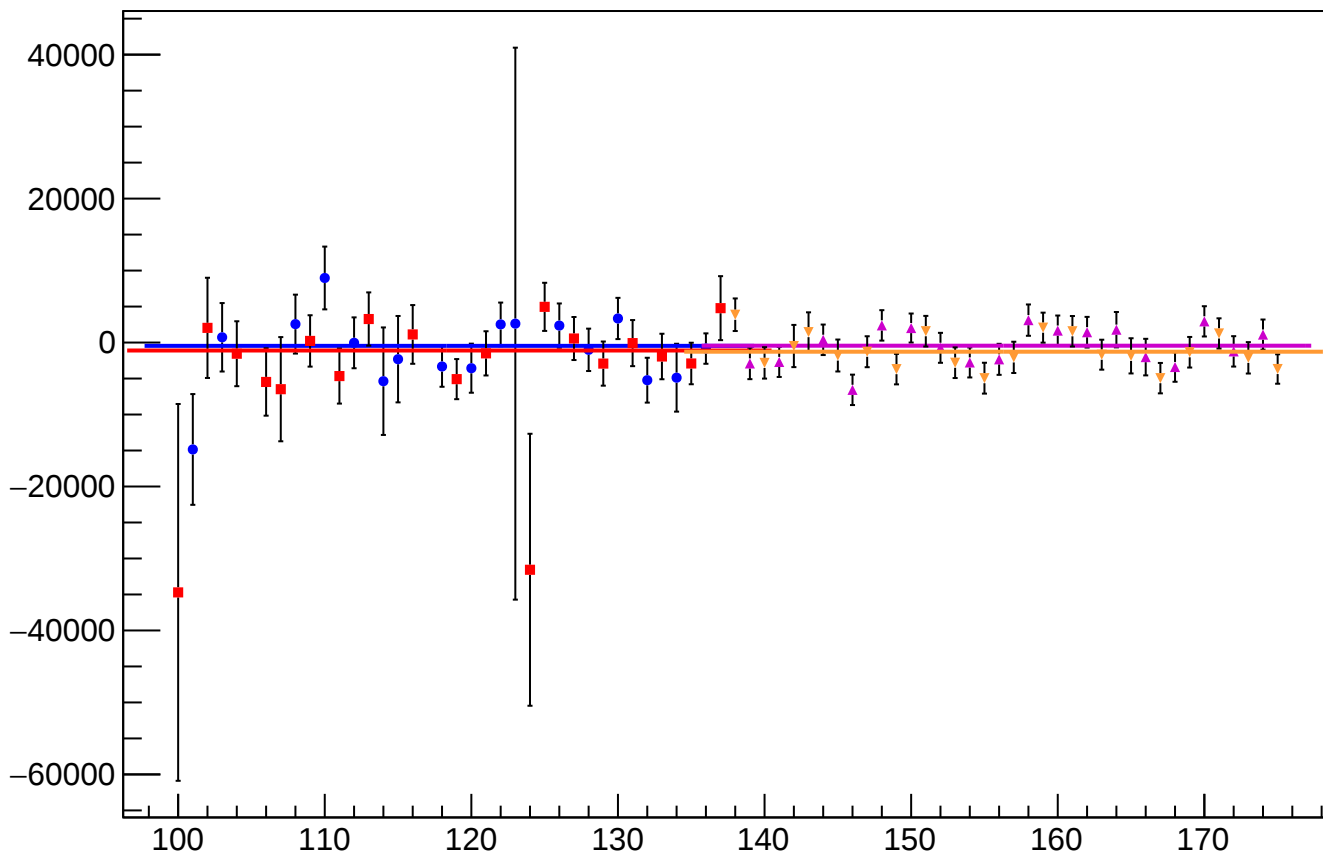
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 438.444+/-0.083 χ^2/NDF :273685.3/17

Out: 441.147+/-0.081 χ^2/NDF :456443.2/19

All: 439.823+/-0.058 χ^2/NDF : 730672.4/37

asym_at1_dd_mean vs Slug, Sign Corrected



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

Left Out: -1272.506+/-491.398 χ^2/NDF : 23.9/19

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

Left In: -437.584+/-504.466 χ^2/NDF : 27.3/17

Left: -865.999+/-352.000 χ^2/NDF : 52.7/37

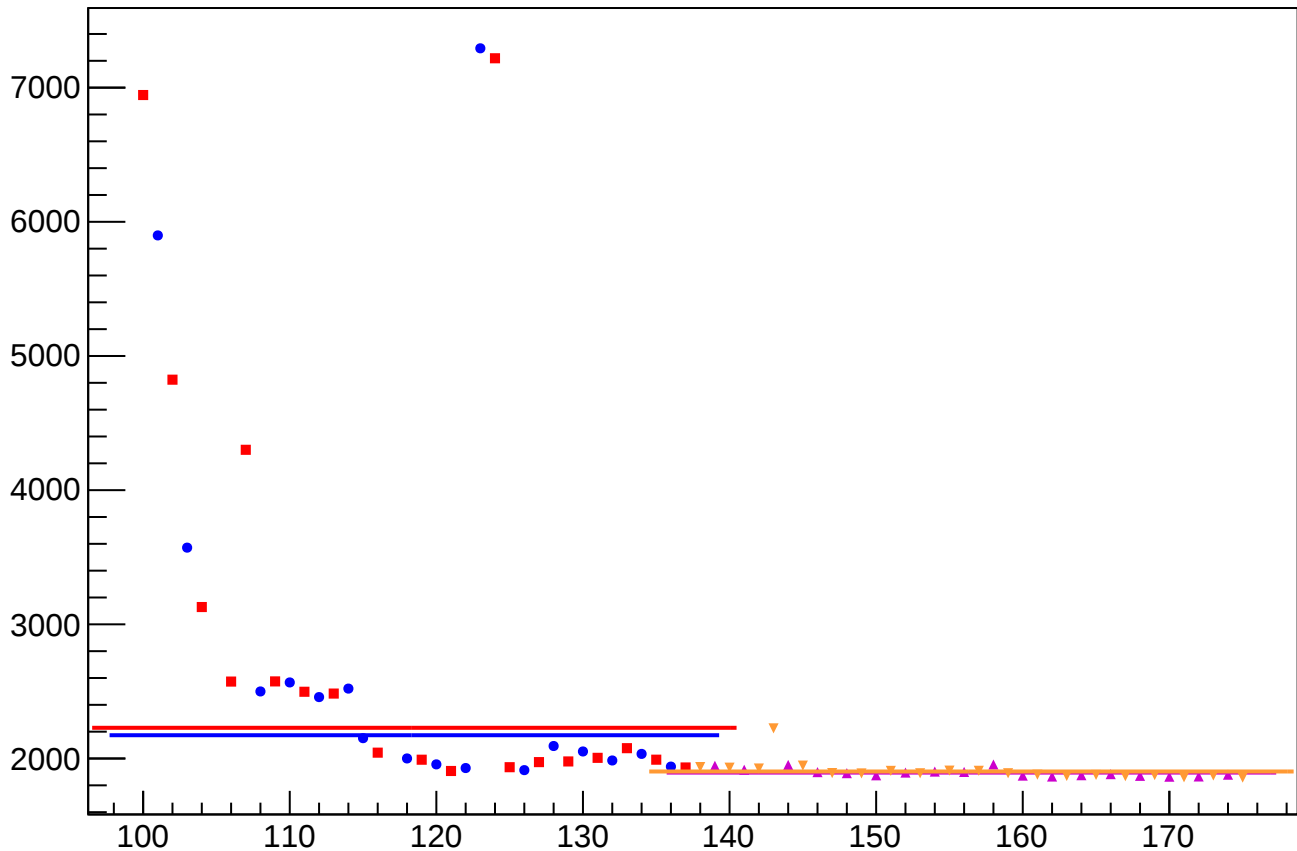
Right: -780.562+/-612.463 χ^2/NDF : 35.2/35

In: -442.843+/-435.792 χ^2/NDF : 45.4/34

Out: -1231.623+/-427.526 χ^2/NDF : 40.9/38

All: -844.785+/-305.187 χ^2/NDF : 87.9/73

asym_at1_dd_rms vs Slug, Sign Corrected



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

Left Out: 1903.210+/-0.347 χ^2/NDF : 33439.4/19

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

Left In: 1894.880+/-0.357 χ^2/NDF : 6493.7/17

Left: 1899.154+/-0.249 χ^2/NDF : 40213.0/37

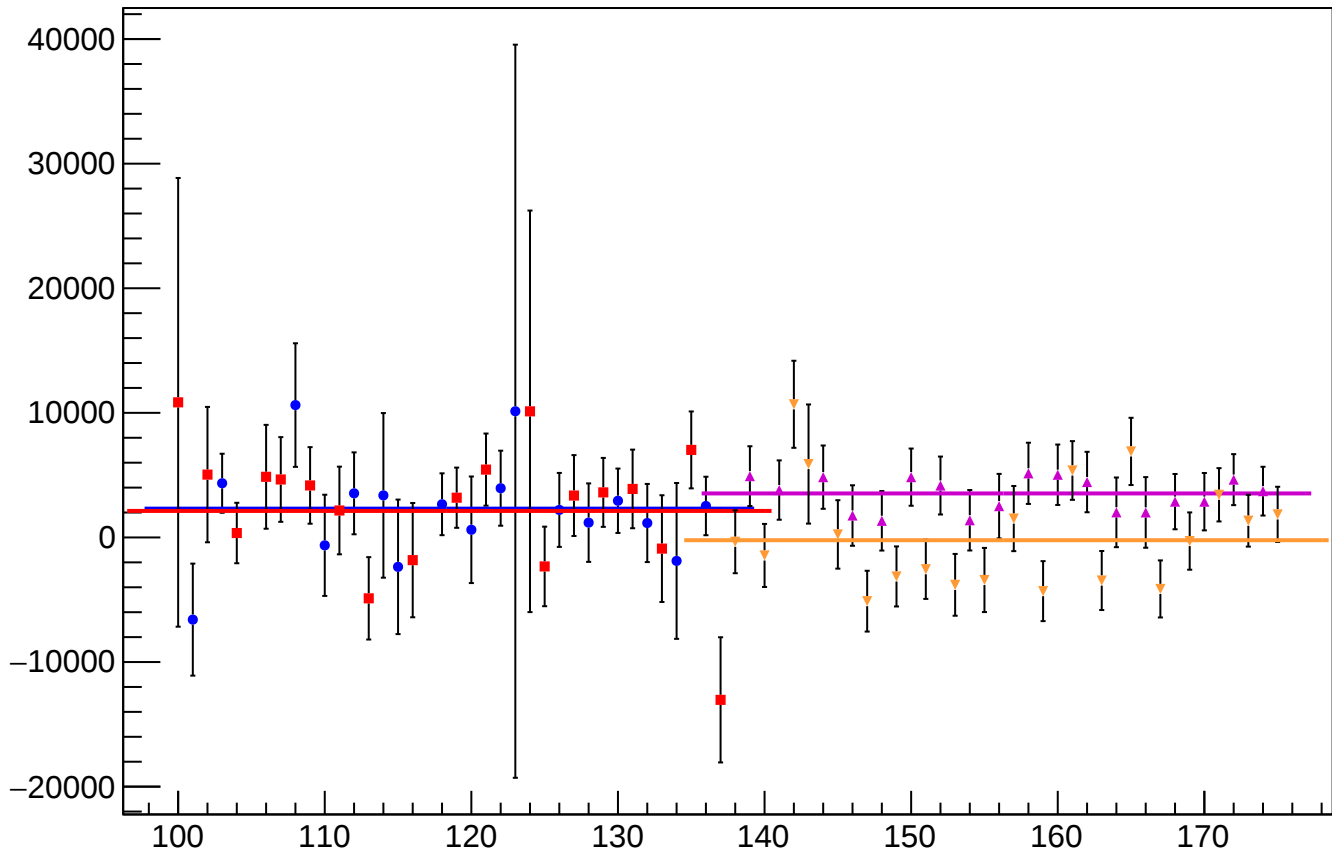
Right: 2201.146+/-0.433 χ^2/NDF : 1705309.7/35

In: 1965.582+/-0.308 χ^2/NDF : 966684.7/34

Out: 1982.373+/-0.302 χ^2/NDF : 1142842.7/38

All: 1974.138+/-0.216 χ^2/NDF : 2111040.5/73

dit_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2311.075 $\pm$ 821.924 χ^2 /NDF: 10.2/16

Left Out: -222.582 $\pm$ 554.822 χ^2 /NDF:46.8/19

Right Out: 2128.072 $\pm$ 791.943 χ^2 /NDF: 24.3/18

Left In: 3532.698 $\pm$ 559.540 χ^2 /NDF:5.3/17

Left: 1639.160 $\pm$ 393.976 χ^2 /NDF: 74.8/37

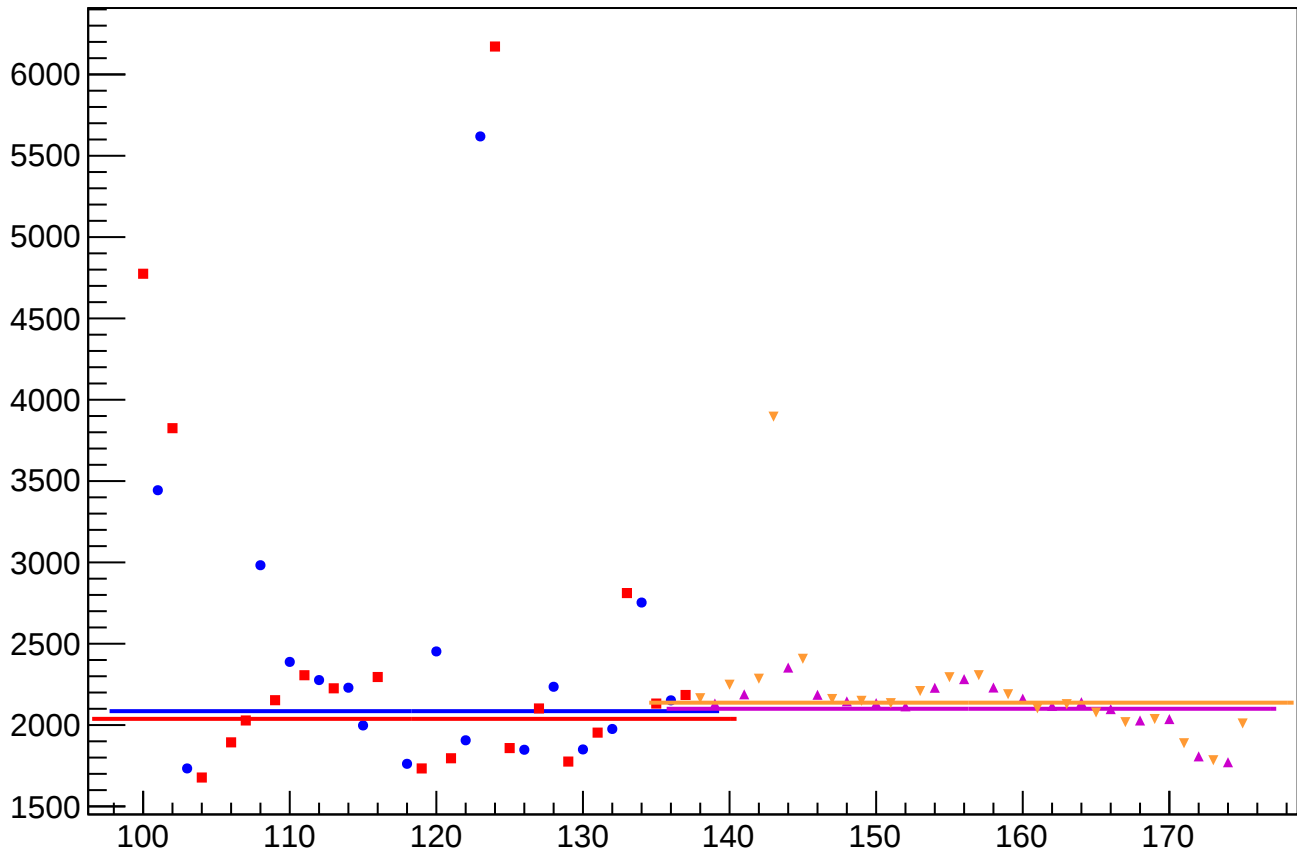
Right: 2216.175 $\pm$ 570.293 χ^2 /NDF: 34.6/35

In: 3145.833 $\pm$ 462.533 χ^2 /NDF:17.1/34

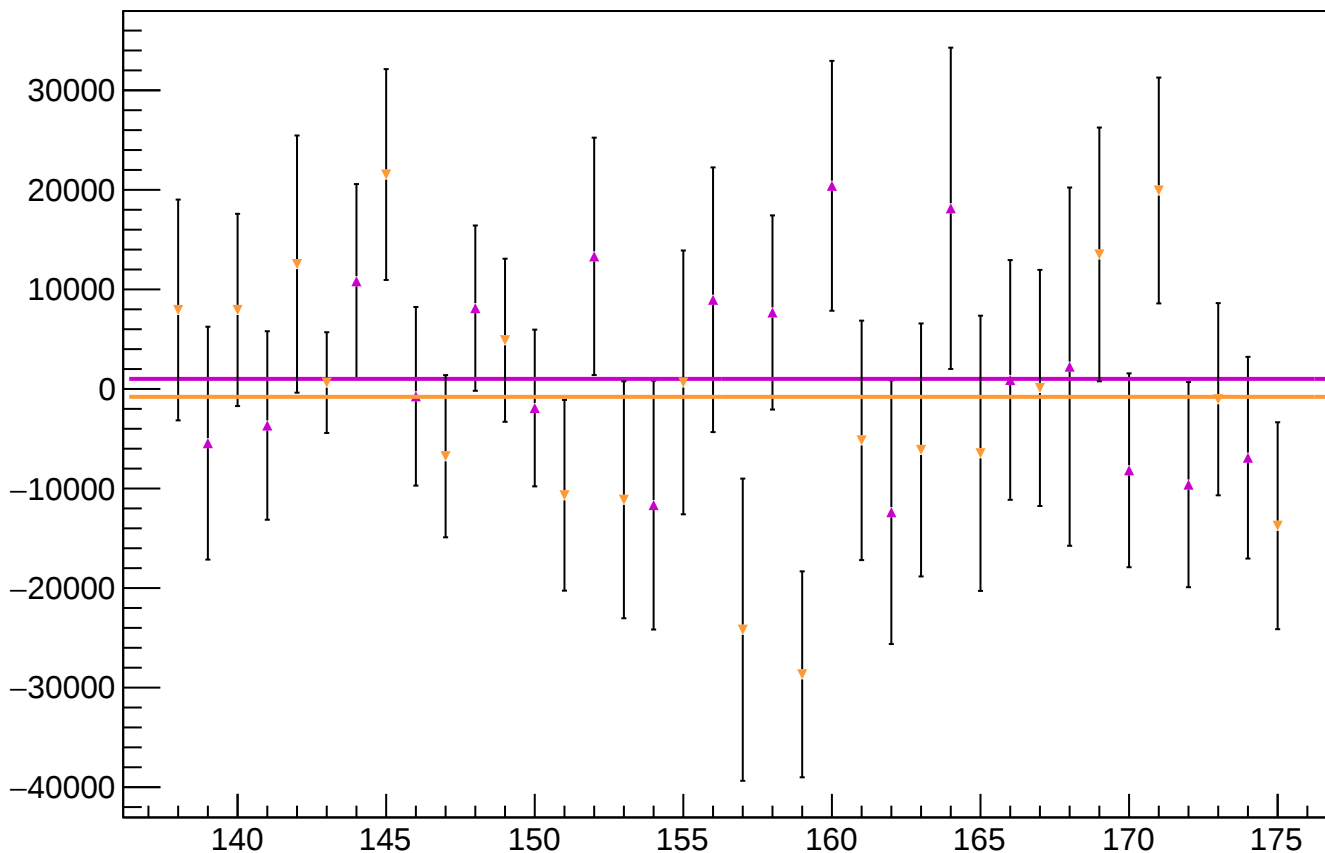
Out: 551.316 $\pm$ 454.404 χ^2 /NDF:77.0/38

All: 1825.574 $\pm$ 324.148 χ^2 /NDF: 110.1/73

dit_asym_at2_avg_rms vs Slug, Sign Corrected



asym_at2_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -791.547+/-2238.702 χ^2/NDF :26.1/19

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

Left In: 1012.455+/-2522.000 χ^2/NDF :12.5/17

Left: 3.481+/-1674.240 χ^2/NDF : 38.9/37

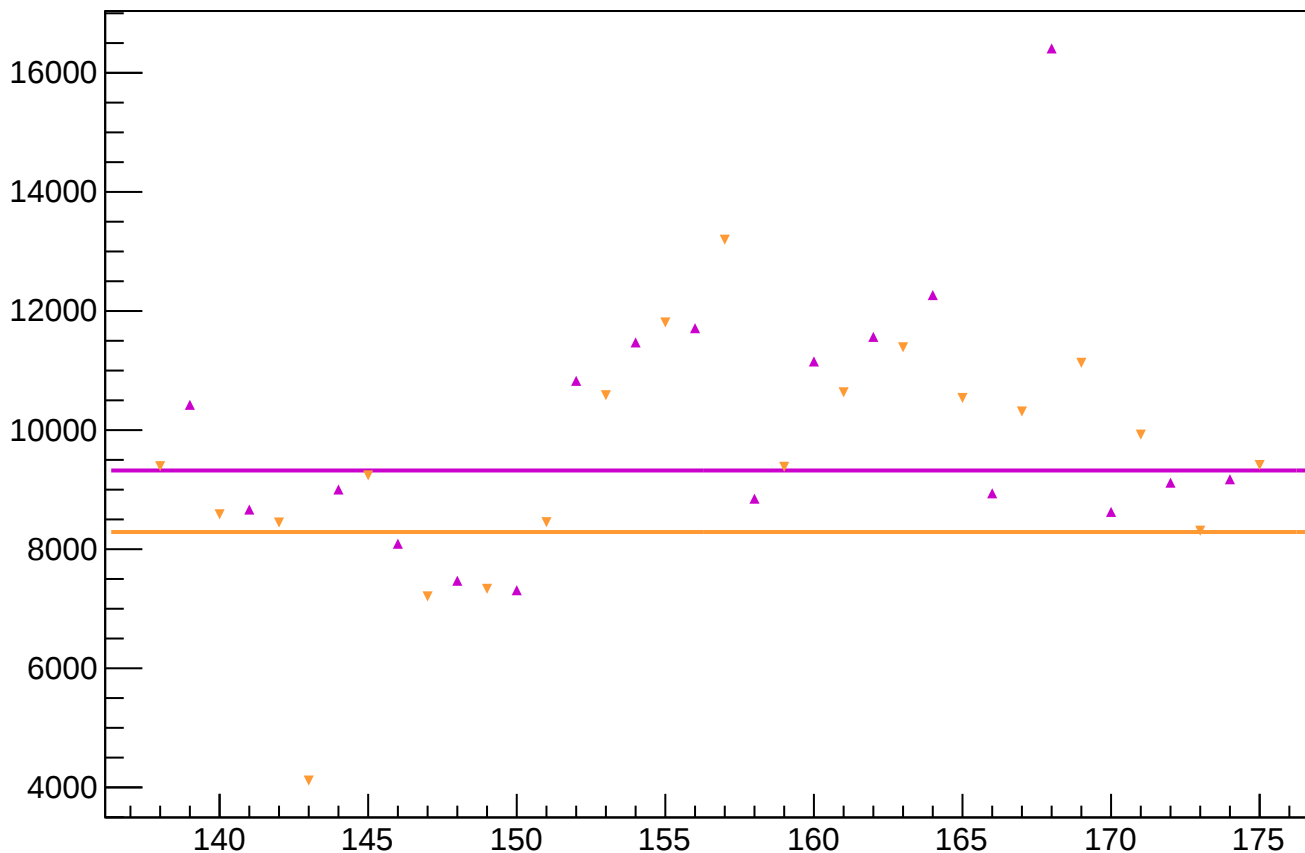
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1012.455+/-2522.000 χ^2/NDF :12.5/17

Out: -791.547+/-2238.702 χ^2/NDF :26.1/19

All: 3.481+/-1674.240 χ^2/NDF : 38.9/37

asym_at2_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 8288.607+/-1.583 χ^2/NDF :2381453.5/19

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

Left In: 9321.952+/-1.783 χ^2/NDF :947932.5/17

Left: 8744.004+/-1.184 χ^2/NDF : 3517176.5/37

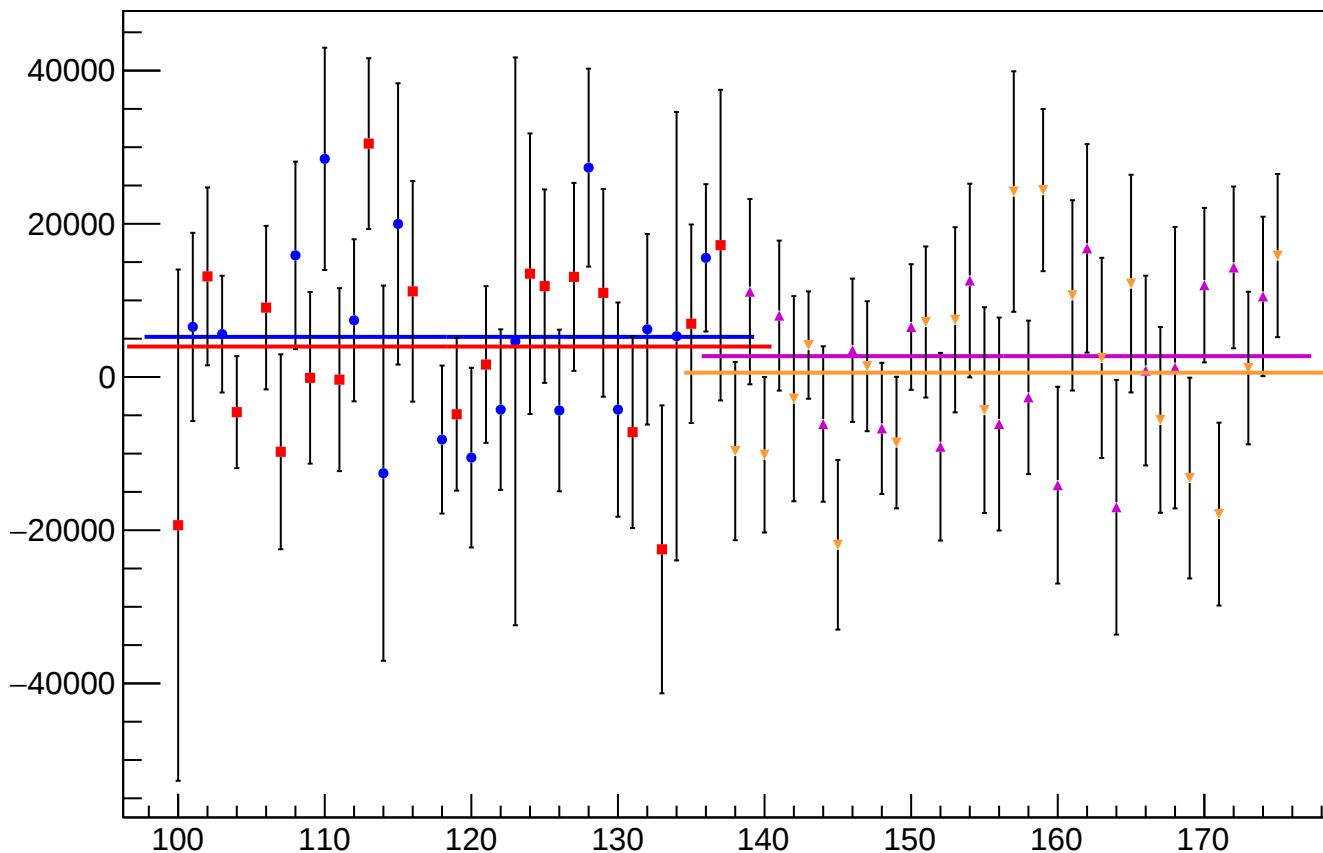
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 9321.952+/-1.783 χ^2/NDF :947932.5/17

Out: 8288.607+/-1.583 χ^2/NDF :2381453.5/19

All: 8744.004+/-1.184 χ^2/NDF : 3517176.5/37

asym_at2_avg_mean vs Slug, Sign Corrected



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

Left Out: 563.466 $\pm$ 2424.309 χ^2/NDF :22.9/19

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

Left In: 2721.781 $\pm$ 2602.903 χ^2/NDF :12.0/17

Left: 1566.045 $\pm$ 1774.026 χ^2/NDF : 35.3/37

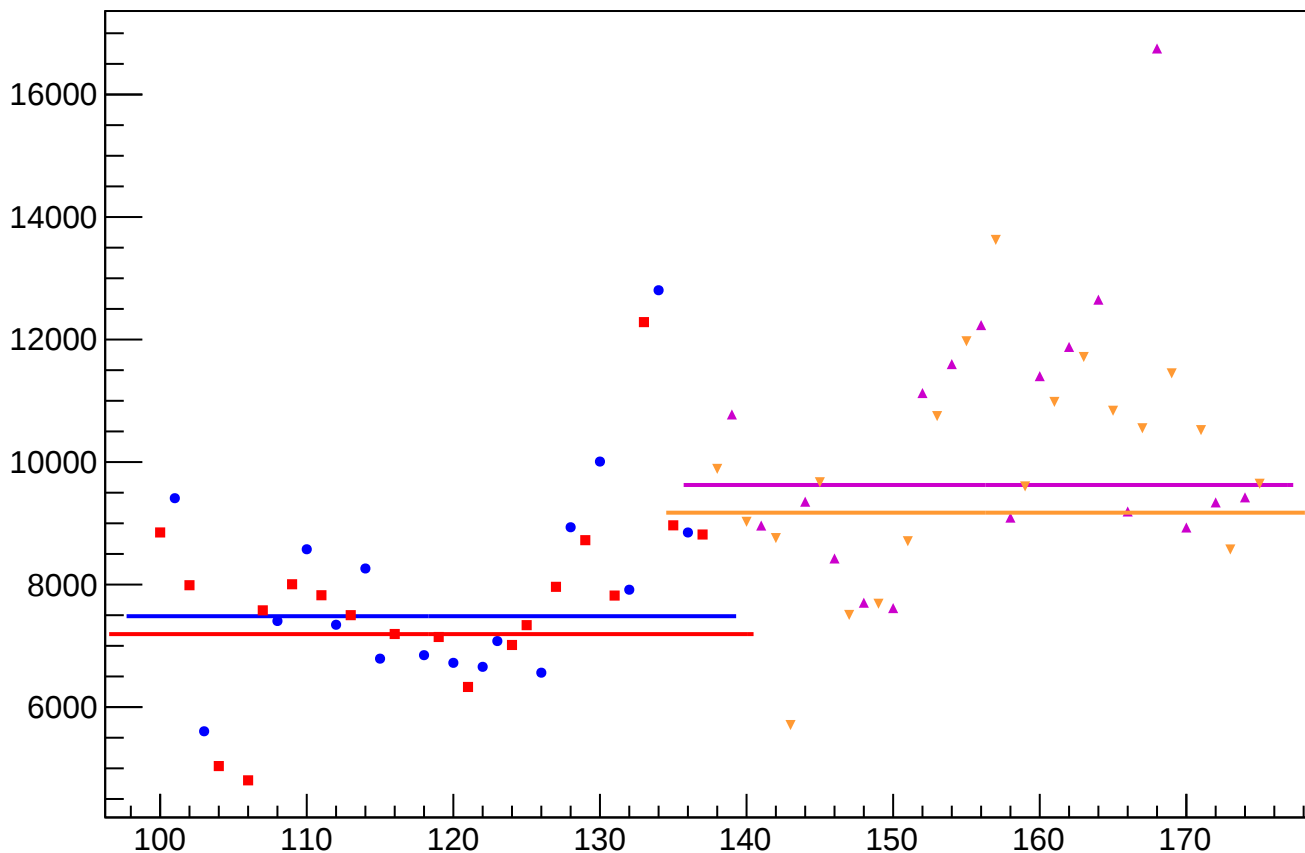
Right: 4573.057 $\pm$ 2025.948 χ^2/NDF : 30.2/35

In: 3825.075 $\pm$ 1950.656 χ^2/NDF :26.9/34

Out: 2031.350 $\pm$ 1830.093 χ^2/NDF :39.4/38

All: 2871.071 $\pm$ 1334.659 χ^2/NDF : 66.7/73

asym_at2_avg_rms vs Slug, Sign Corrected



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

Left Out: 9173.799 $\pm$ 1.714 χ^2 /NDF:1198621.4/19

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

Left In: 9625.852 $\pm$ 1.841 χ^2 /NDF:911980.8/17

Left: 9383.786 $\pm$ 1.254 χ^2 /NDF: 2142904.7/37

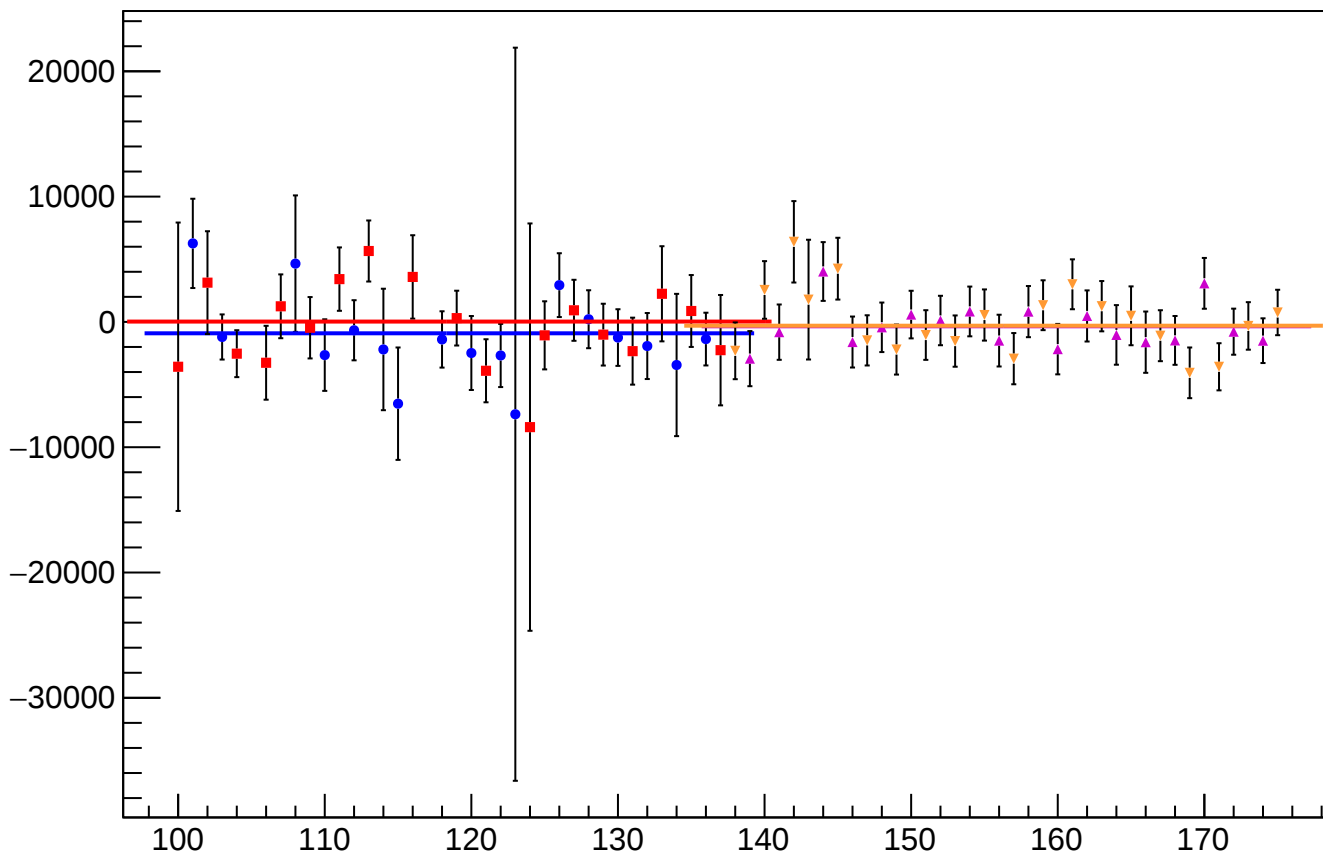
Right: 7329.673 $\pm$ 1.432 χ^2 /NDF: 1000940.7/35

In: 8686.793 $\pm$ 1.379 χ^2 /NDF:1937586.2/34

Out: 8320.993 $\pm$ 1.294 χ^2 /NDF:2332660.8/38

All: 8492.232 $\pm$ 0.944 χ^2 /NDF: 4307656.1/73

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: -909.107+/-671.360 χ^2/NDF : 10.9/16

Left Out: -303.292+/-474.296 χ^2/NDF : 24.9/19

Right Out: 26.566+/-642.141 χ^2/NDF : 17.0/18

Left In: -350.801+/-482.127 χ^2/NDF : 11.6/17

Left: -326.657+/-338.113 χ^2/NDF : 36.5/37

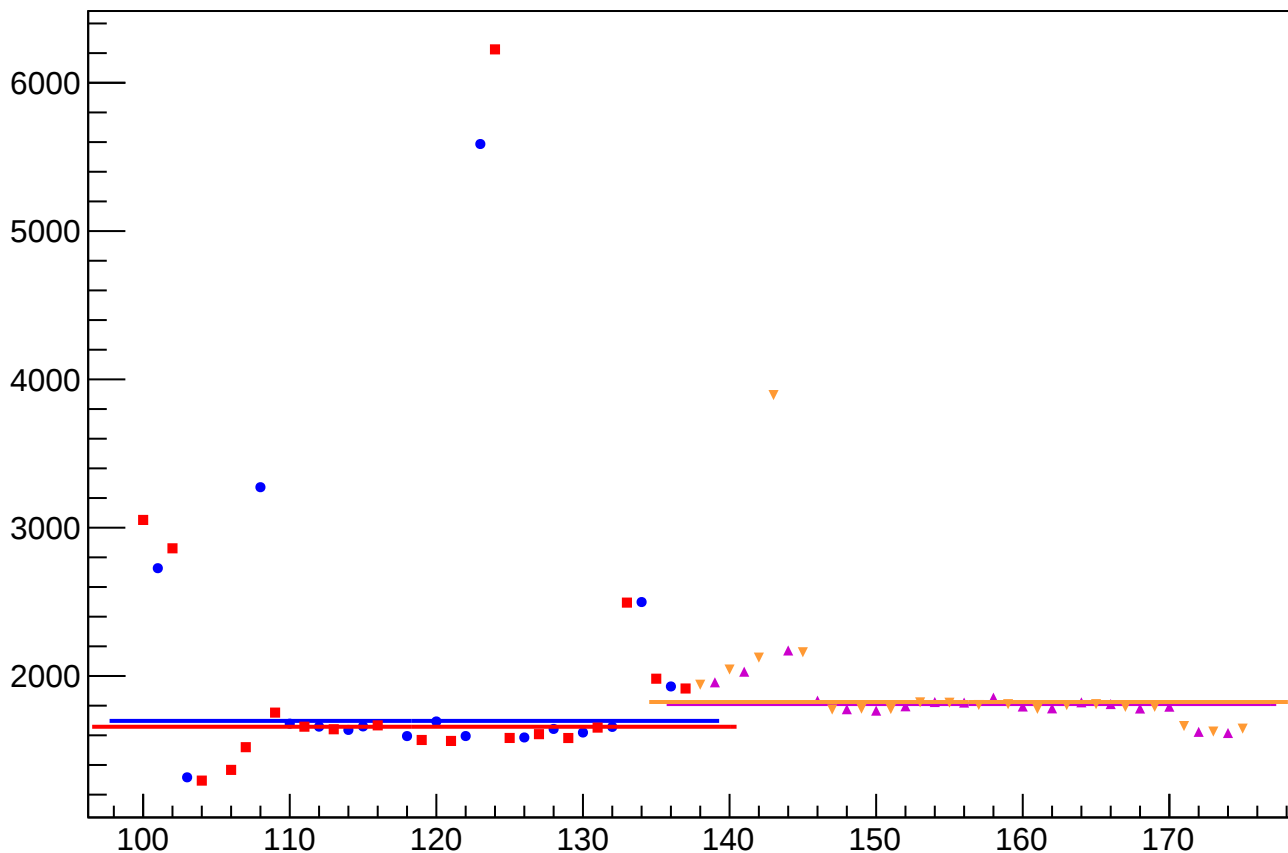
Right: -420.467+/-464.048 χ^2/NDF : 29.0/35

In: -540.763+/-391.609 χ^2/NDF : 23.0/34

Out: -186.857+/-381.511 χ^2/NDF : 42.1/38

All: -359.189+/-273.269 χ^2/NDF : 65.5/73

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1697.239 $\pm$ 0.475 χ^2/NDF : 539725.9/16

Left Out: 1824.643 $\pm$ 0.335 χ^2/NDF : 515333.1/19

Right Out: 1657.716 $\pm$ 0.454 χ^2/NDF : 603007.7/18

Left In: 1810.732 $\pm$ 0.341 χ^2/NDF : 124949.1/17

Left: 1817.801 $\pm$ 0.239 χ^2/NDF : 641128.3/37

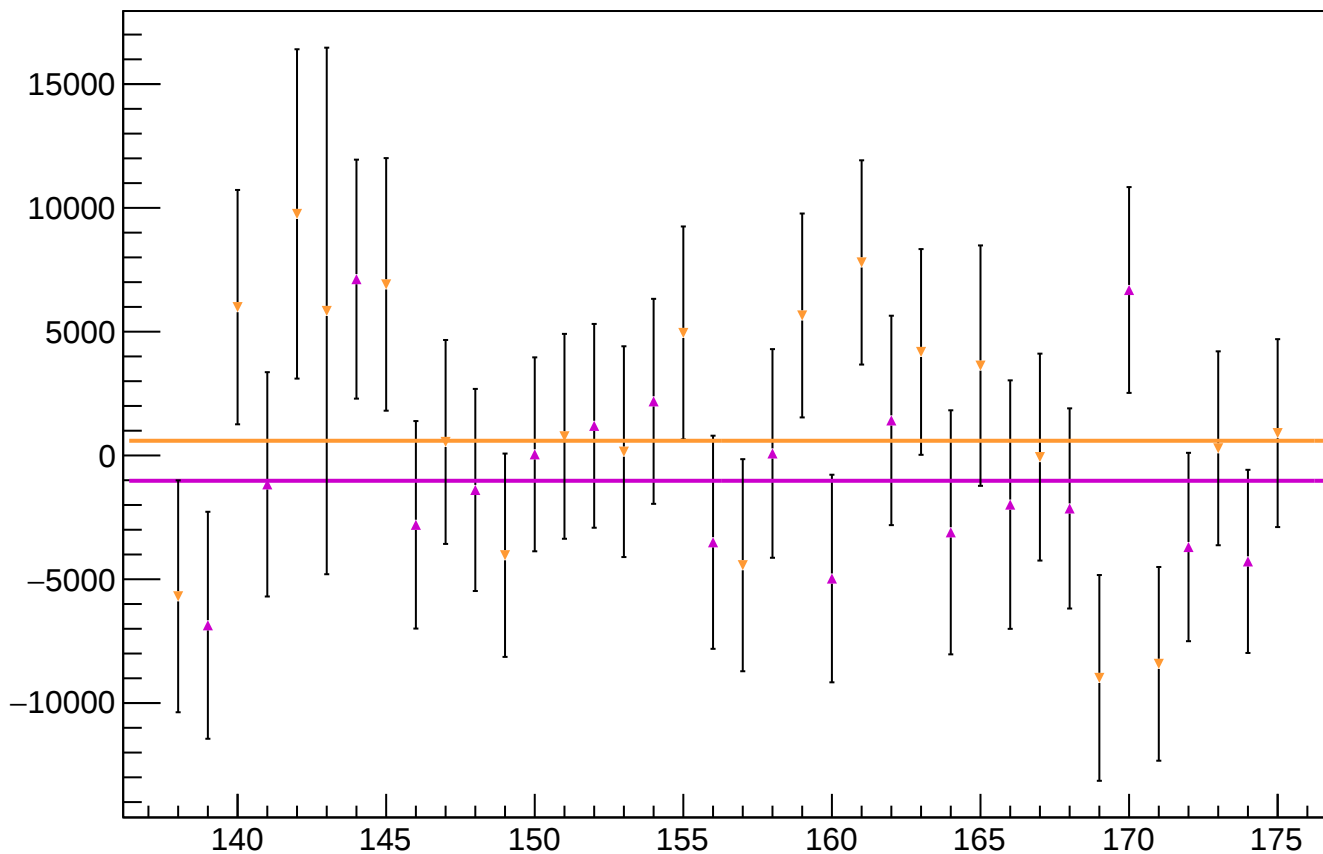
Right: 1676.599 $\pm$ 0.328 χ^2/NDF : 1146353.4/35

In: 1772.116 $\pm$ 0.277 χ^2/NDF : 702383.7/34

Out: 1765.720 $\pm$ 0.270 χ^2/NDF : 1205785.9/38

All: 1768.835 $\pm$ 0.193 χ^2/NDF : 1908443.4/73

asym_at2_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 593.872+/-983.529 χ^2/NDF :26.8/19

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

Left In: -1022.494+/-998.009 χ^2/NDF :12.2/17

Left: -202.501+/-700.523 χ^2/NDF : 40.4/37

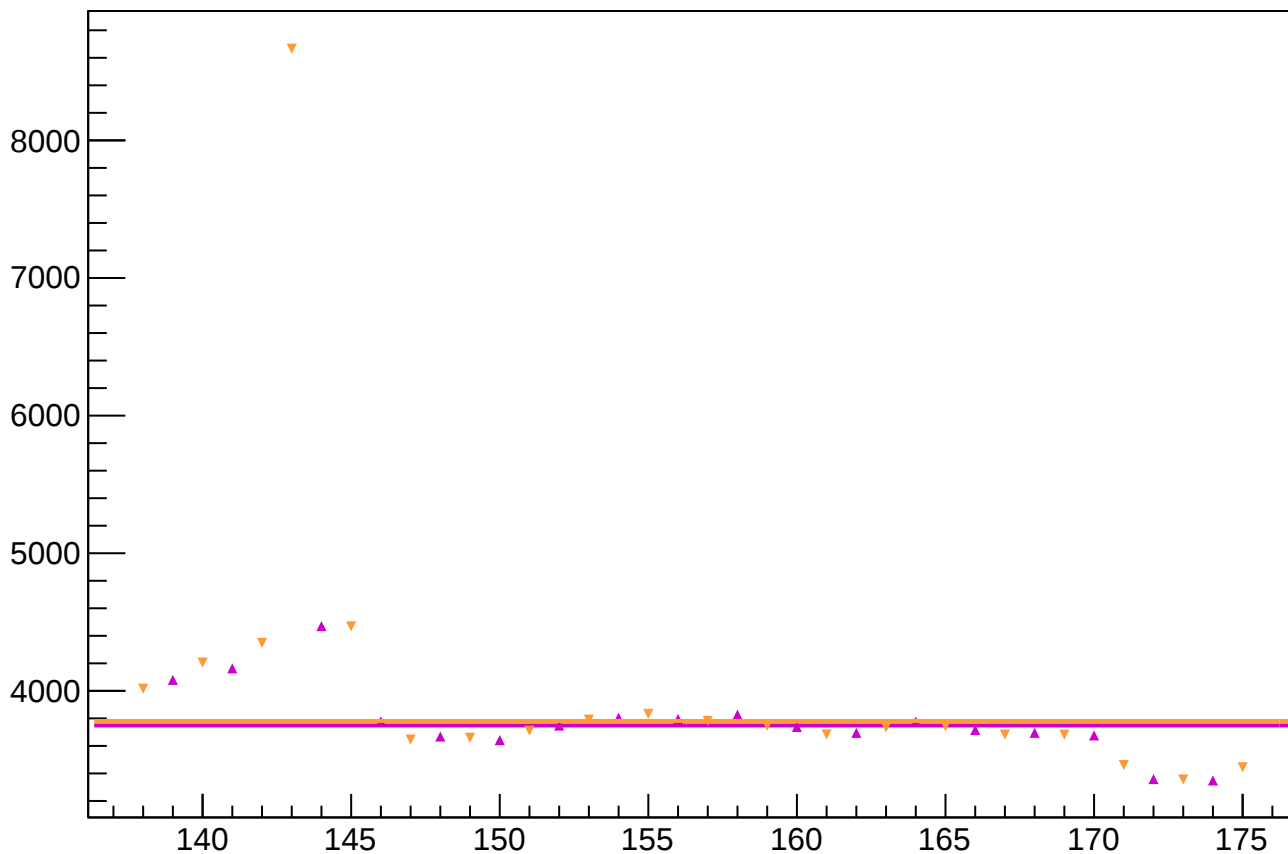
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1022.494+/-998.009 χ^2/NDF :12.2/17

Out: 593.872+/-983.529 χ^2/NDF :26.8/19

All: -202.501+/-700.523 χ^2/NDF : 40.4/37

asym_at2_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 3781.479+/-0.695 χ^2/NDF :555369.8/19

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

Left In: 3748.571+/-0.706 χ^2/NDF :121375.8/17

Left: 3765.266+/-0.495 χ^2/NDF : 677848.7/37

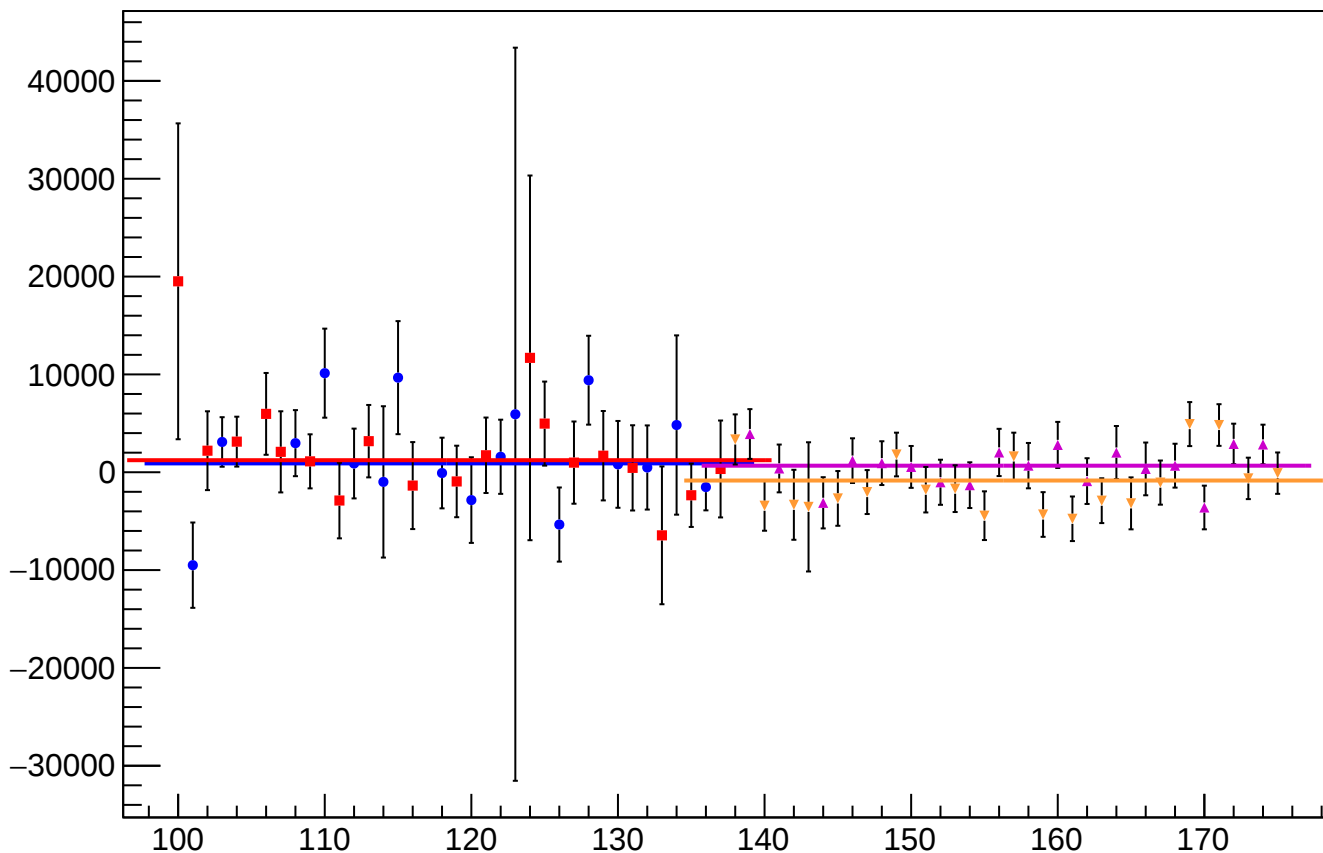
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 3748.571+/-0.706 χ^2/NDF :121375.8/17

Out: 3781.479+/-0.695 χ^2/NDF :555369.8/19

All: 3765.266+/-0.495 χ^2/NDF : 677848.7/37

asym_at2_dd_mean vs Slug, Sign Corrected



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

Left Out: -846.269 $\pm$ 542.100 χ^2 /NDF:30.5/19

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

Left In: 669.484 $\pm$ 548.648 χ^2 /NDF:12.9/17

Left: -97.493 $\pm$ 385.617 χ^2 /NDF: 47.3/37

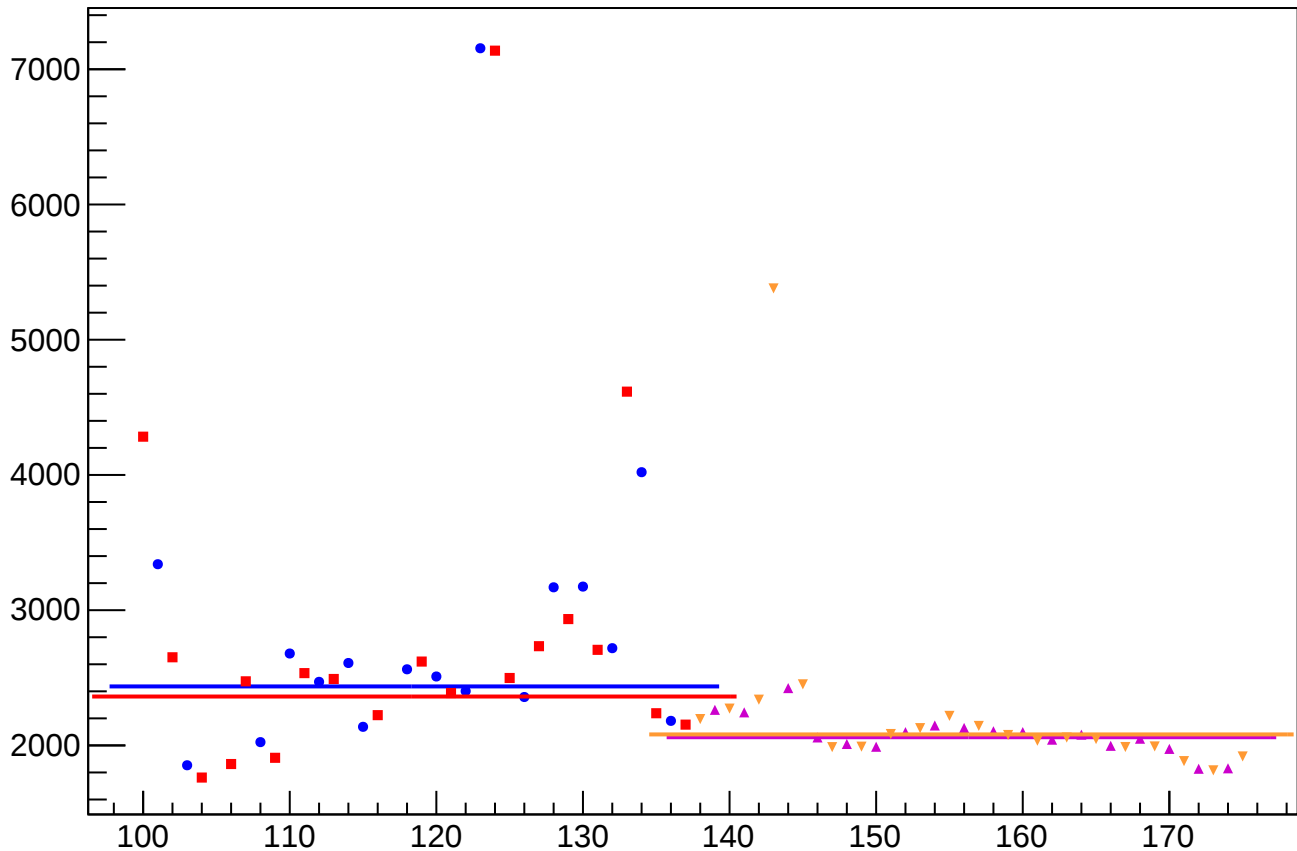
Right: 1073.549 $\pm$ 666.754 χ^2 /NDF: 30.6/35

In: 726.871 $\pm$ 476.578 χ^2 /NDF:34.5/34

Out: -315.231 $\pm$ 467.703 χ^2 /NDF:43.2/38

All: 196.027 $\pm$ 333.809 χ^2 /NDF: 80.2/73

asym_at2_dd_rms vs Slug, Sign Corrected



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

Left Out: 2081.313+/-0.383 χ^2/NDF : 642797.1/19

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

Left In: 2060.589+/-0.388 χ^2/NDF : 127493.0/17

Left: 2071.075+/-0.273 χ^2/NDF : 771734.1/37

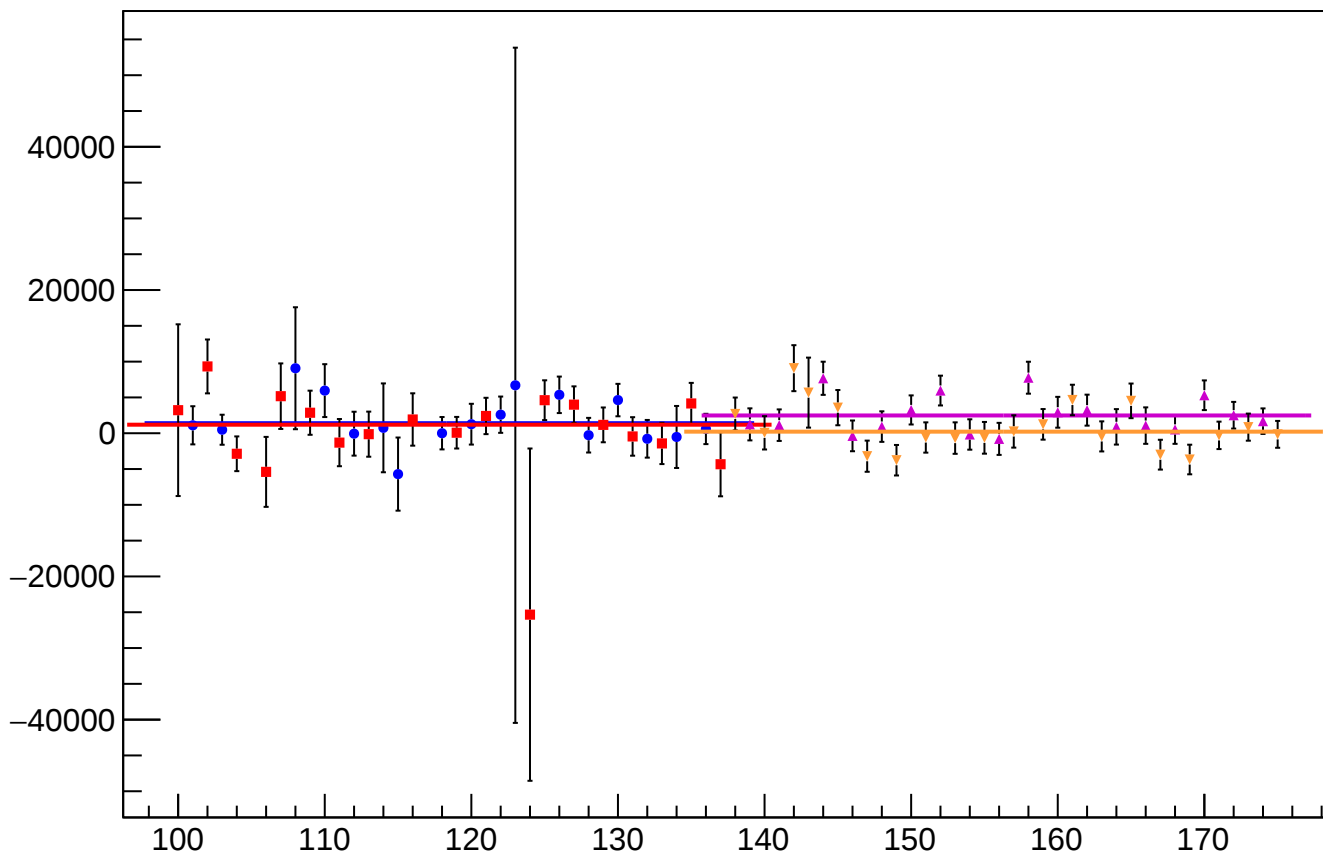
Right: 2397.448+/-0.471 χ^2/NDF : 1130664.2/35

In: 2152.803+/-0.337 χ^2/NDF : 826211.4/34

Out: 2152.956+/-0.331 χ^2/NDF : 1435284.2/38

All: 2152.881+/-0.236 χ^2/NDF : 2261495.6/73

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1400.477+/-699.727 χ^2/NDF : 11.3/16

Left Out: 220.710+/-495.184 χ^2/NDF : 32.3/19

Right Out: 1191.720+/-715.266 χ^2/NDF : 19.5/18

Left In: 2481.124+/-502.865 χ^2/NDF : 24.1/17

Left: 1333.521+/-352.833 χ^2/NDF : 66.7/37

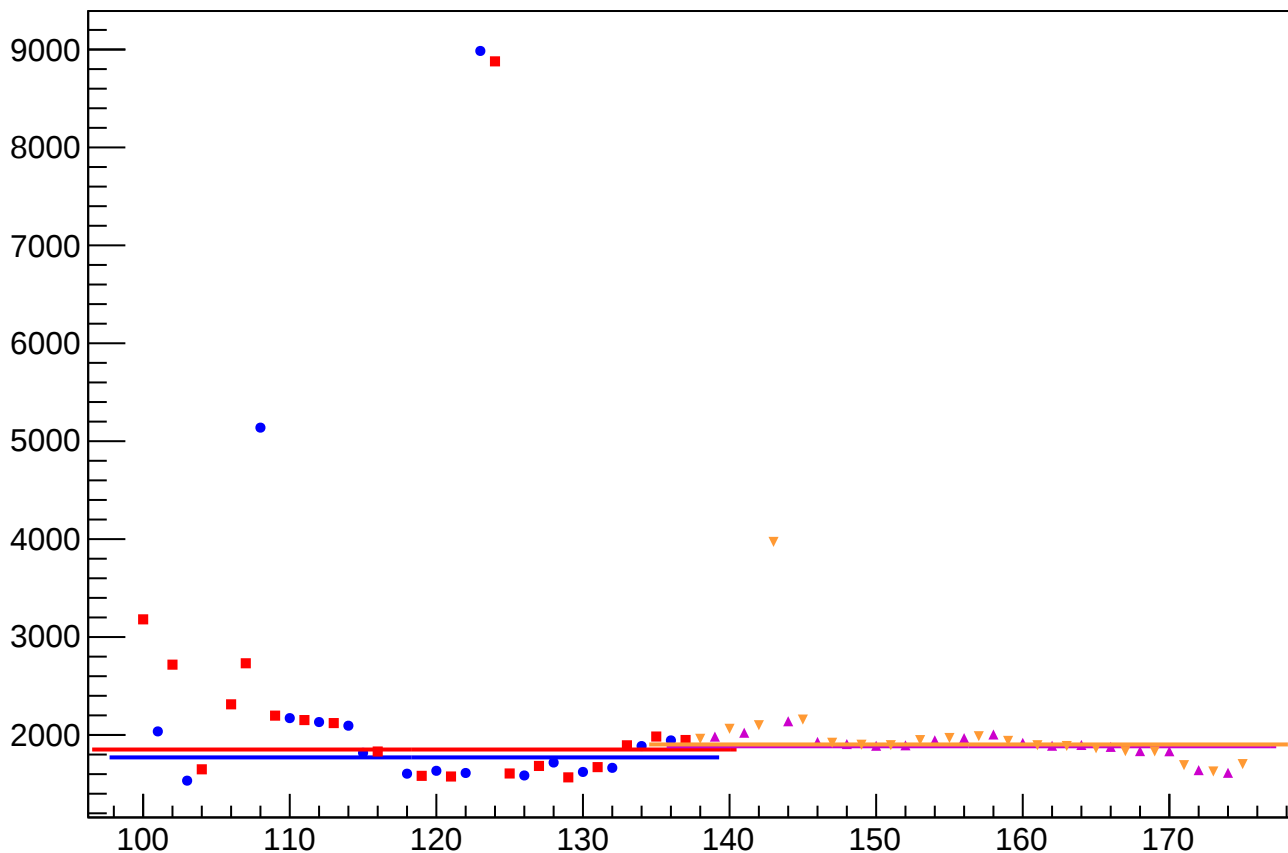
Right: 1298.390+/-500.185 χ^2/NDF : 30.8/35

In: 2113.083+/-408.352 χ^2/NDF : 37.0/34

Out: 535.317+/-407.137 χ^2/NDF : 53.0/38

All: 1321.849+/-288.318 χ^2/NDF : 97.5/73

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1770.964+/-0.495 χ^2/NDF : 523586.3/16

Left Out: 1903.120+/-0.350 χ^2/NDF : 498582.8/19

Right Out: 1851.378+/-0.505 χ^2/NDF : 597933.6/18

Left In: 1884.383+/-0.356 χ^2/NDF : 130978.1/17

Left: 1893.896+/-0.249 χ^2/NDF : 630970.6/37

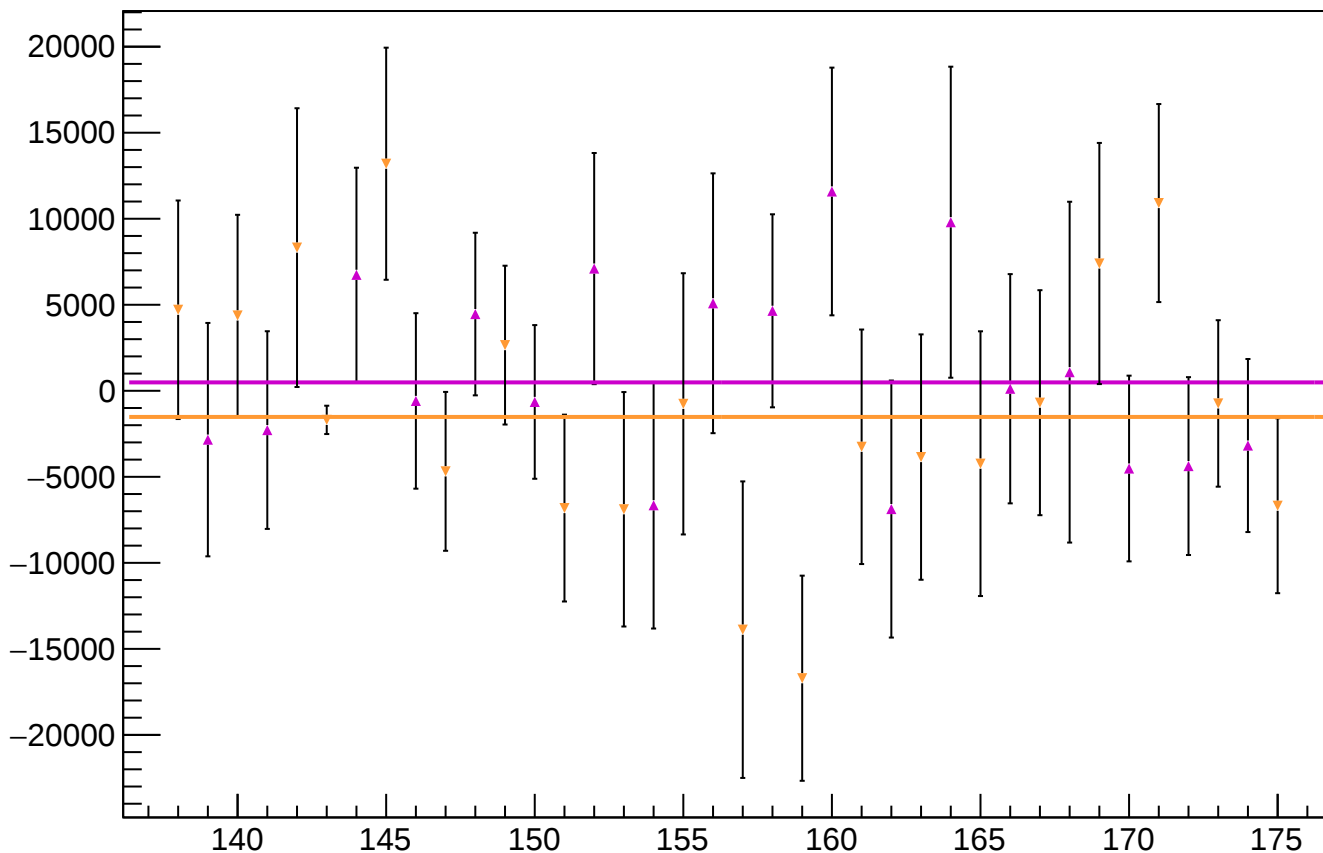
Right: 1810.335+/-0.353 χ^2/NDF : 1134452.8/35

In: 1845.755+/-0.289 χ^2/NDF : 689215.4/34

Out: 1886.329+/-0.288 χ^2/NDF : 1103602.7/38

All: 1866.110+/-0.204 χ^2/NDF : 1802723.5/73

asym_atl_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1519.021+/-709.290 χ^2/NDF :27.3/19

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

Left In: 488.230+/-1420.391 χ^2/NDF :11.9/17

Left: -1118.390+/-634.570 χ^2/NDF : 40.8/37

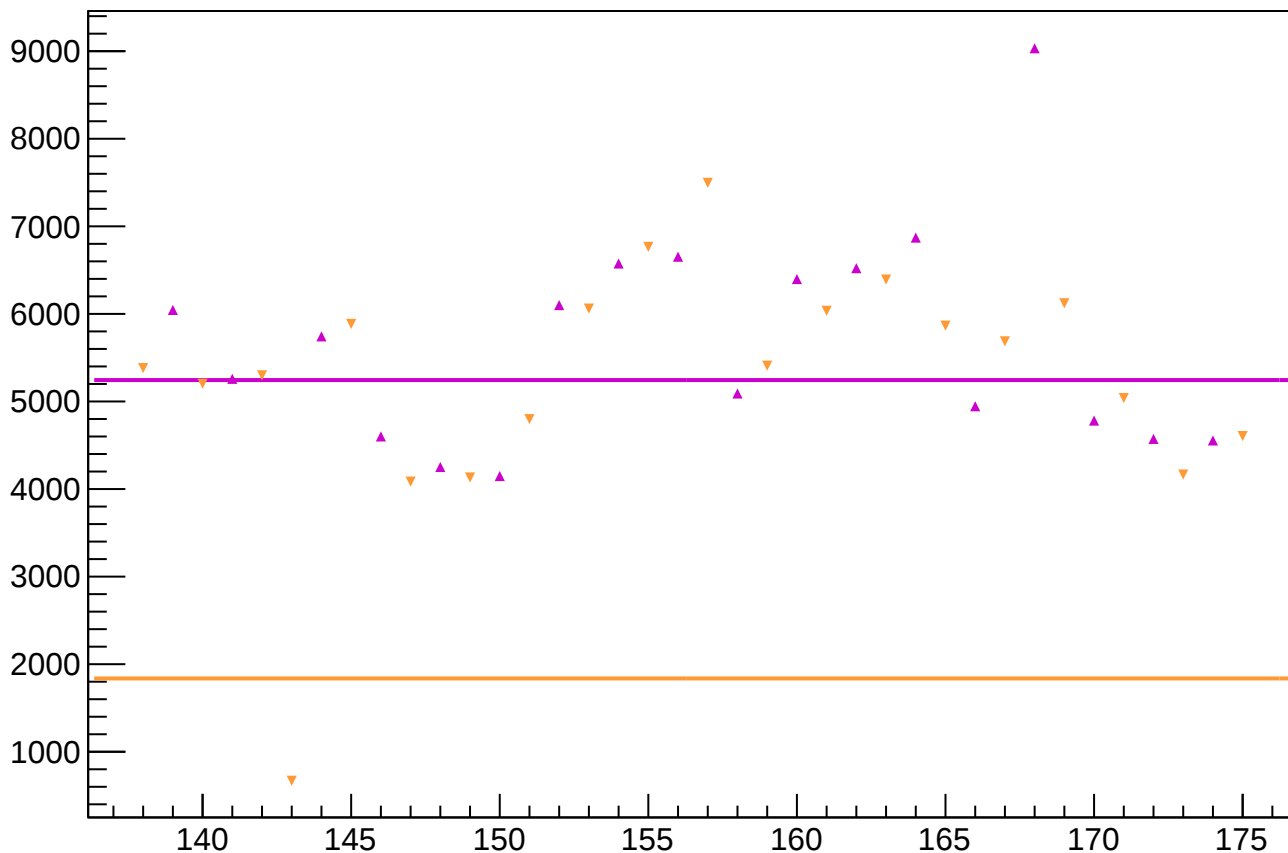
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 488.230+/-1420.391 χ^2/NDF :11.9/17

Out: -1519.021+/-709.290 χ^2/NDF :27.3/19

All: -1118.390+/-634.570 χ^2/NDF : 40.8/37

asym_atl_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1837.417+/-0.502 χ^2/NDF :16389261.5/19

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

Left In: 5244.457+/-1.004 χ^2/NDF :1011320.5/17

Left: 2517.435+/-0.449 χ^2/NDF : 26611020.6/37

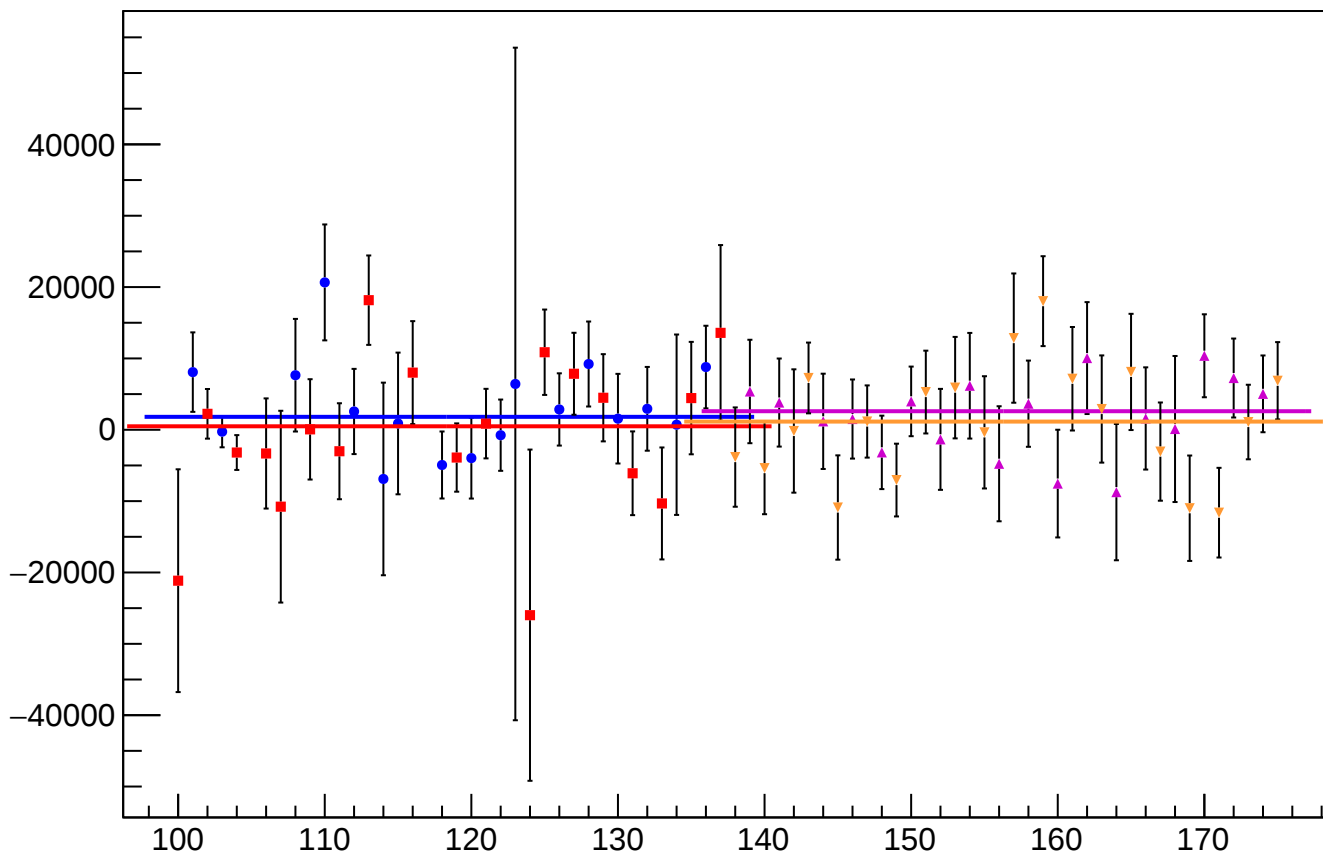
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 5244.457+/-1.004 χ^2/NDF :1011320.5/17

Out: 1837.417+/-0.502 χ^2/NDF :16389261.5/19

All: 2517.435+/-0.449 χ^2/NDF : 26611020.6/37

asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: 1149.585+/-1435.650 χ^2/NDF : 28.0/19

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

Left In: 2601.646+/-1522.057 χ^2/NDF : 9.9/17

Left: 1833.231+/-1044.369 χ^2/NDF : 38.4/37

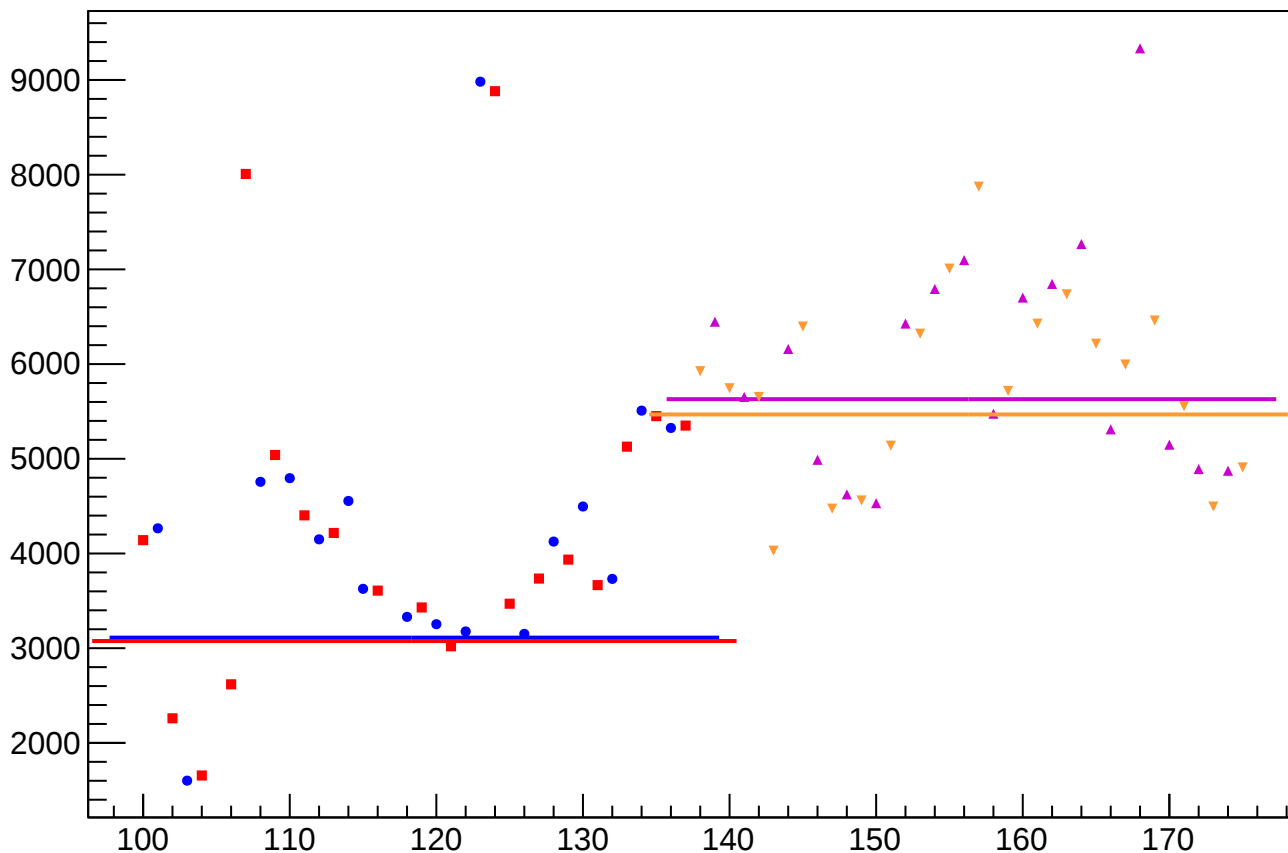
Right: 1143.505+/-914.731 χ^2/NDF : 42.0/35

In: 2146.770+/-989.091 χ^2/NDF : 25.1/34

Out: 782.743+/-957.923 χ^2/NDF : 54.6/38

All: 1442.926+/-688.109 χ^2/NDF : 80.6/73

asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 5468.118 $\pm$ 1.015 χ^2 /NDF: 857770.8/19

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

Left In: 5629.596 $\pm$ 1.076 χ^2 /NDF: 887041.3/17

Left: 5544.144 $\pm$ 0.738 χ^2 /NDF: 1756724.8/37

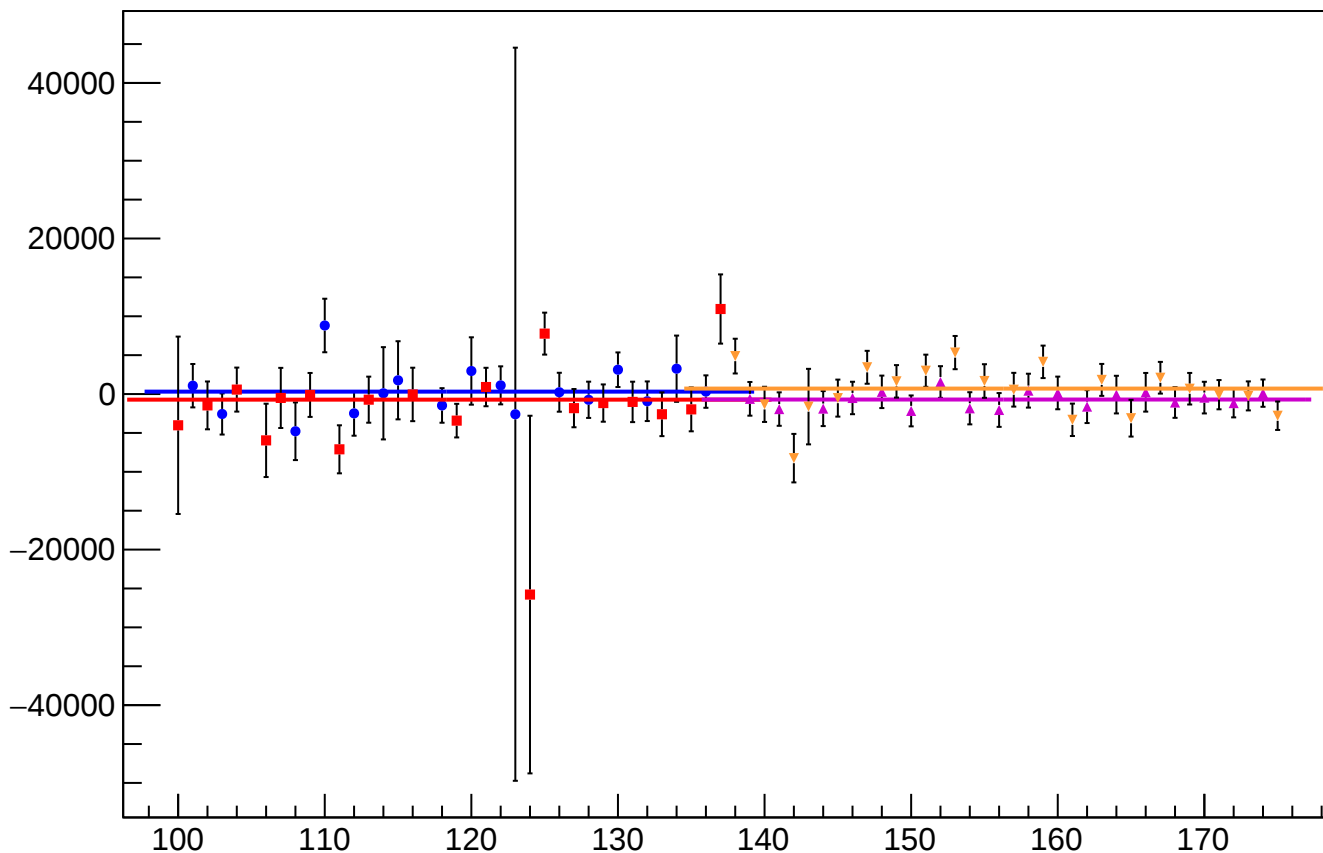
Right: 3093.209 $\pm$ 0.642 χ^2 /NDF: 3889323.9/35

In: 4174.896 $\pm$ 0.699 χ^2 /NDF: 5928339.7/34

Out: 4123.680 $\pm$ 0.672 χ^2 /NDF: 5988319.1/38

All: 4148.260 $\pm$ 0.485 χ^2 /NDF: 11919447.7/77

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 310.890 ± 702.491 χ^2/NDF : 13.9/16

Left Out: 702.044 ± 483.423 χ^2/NDF : 34.9/19

Right Out: -720.015 ± 692.327 χ^2/NDF : 26.8/18

Left In: -704.830 ± 491.435 χ^2/NDF : 4.4/17

Left: 10.169 ± 344.630 χ^2/NDF : 43.5/37

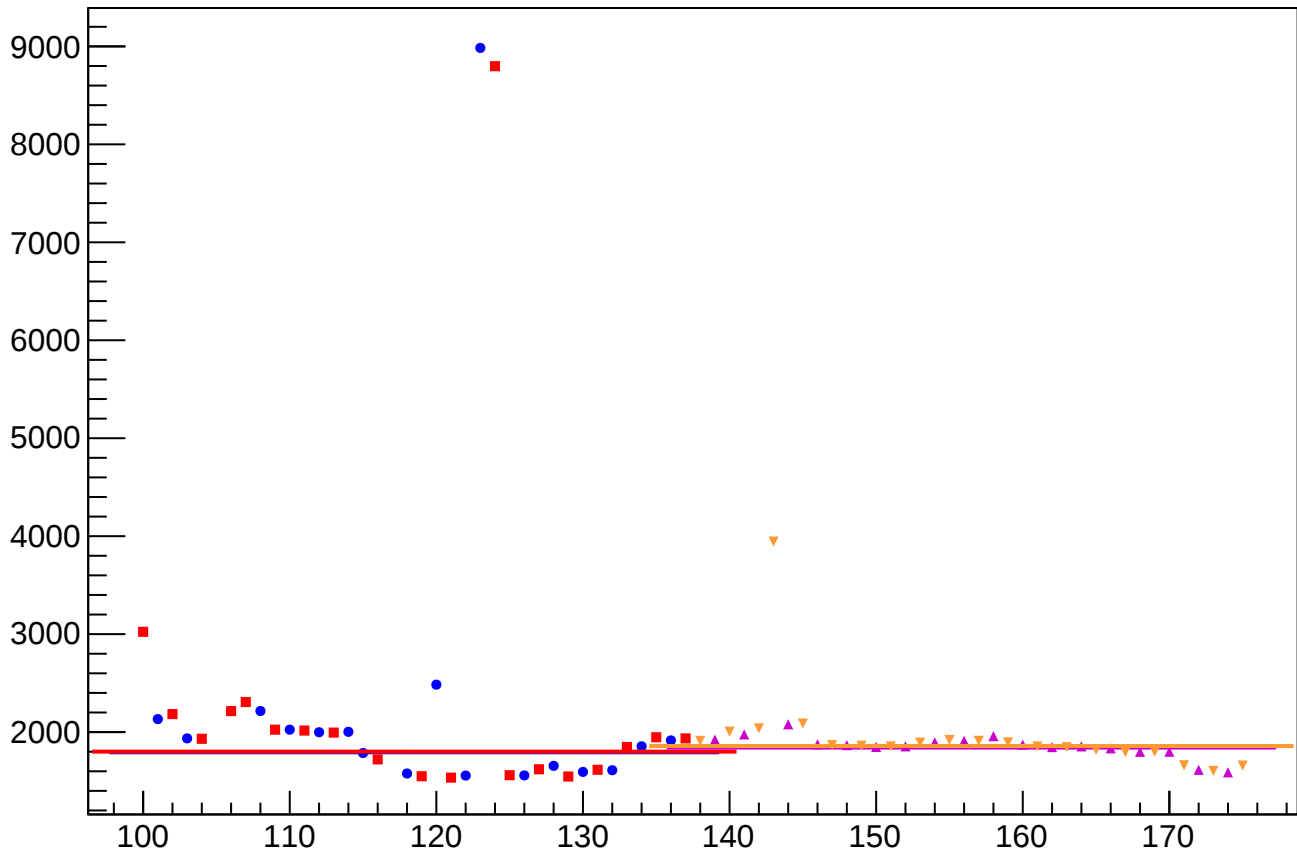
Right: -212.074 ± 493.103 χ^2/NDF : 41.8/35

In: -371.082 ± 402.683 χ^2/NDF : 19.8/34

Out: 235.950 ± 396.360 χ^2/NDF : 64.5/38

All: -62.763 ± 282.478 χ^2/NDF : 85.4/73

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1794.083 $\pm$ 0.497 χ^2 /NDF: 276685.7/16

Left Out: 1858.127 $\pm$ 0.342 χ^2 /NDF: 495129.9/19

Right Out: 1800.745 $\pm$ 0.489 χ^2 /NDF: 444850.1/18

Left In: 1842.124 $\pm$ 0.347 χ^2 /NDF: 117221.1/17

Left: 1850.257 $\pm$ 0.244 χ^2 /NDF: 613428.9/37

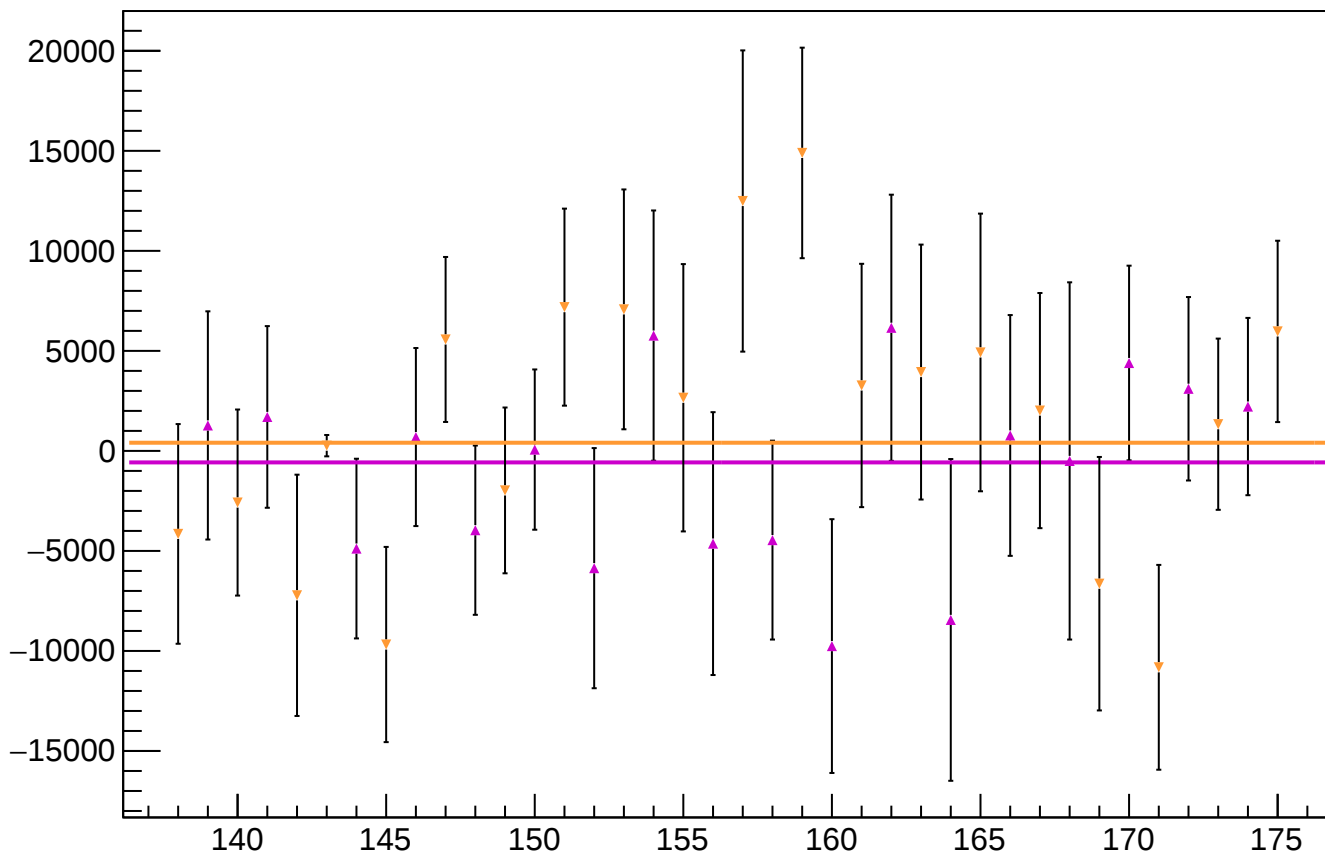
Right: 1797.467 $\pm$ 0.348 χ^2 /NDF: 721627.3/35

In: 1826.339 $\pm$ 0.285 χ^2 /NDF: 400187.2/34

Out: 1839.280 $\pm$ 0.280 χ^2 /NDF: 949235.3/38

All: 1832.915 $\pm$ 0.200 χ^2 /NDF: 1350472.2/73

asym_atl_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 408.763+/-488.728 χ^2/NDF :31.0/19

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

Left In: -575.117+/-1232.623 χ^2/NDF :11.0/17

Left: 275.102+/-454.320 χ^2/NDF : 42.6/37

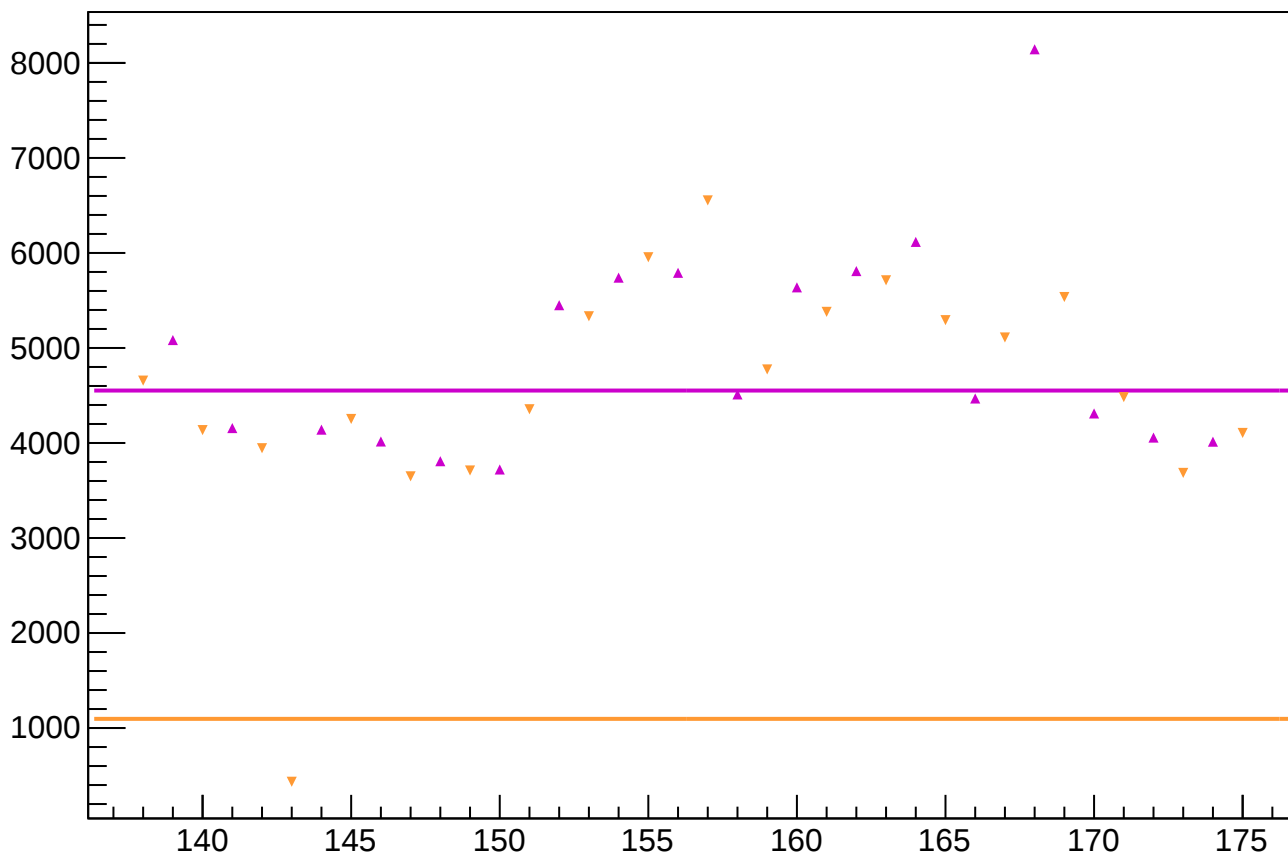
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -575.117+/-1232.623 χ^2/NDF :11.0/17

Out: 408.763+/-488.728 χ^2/NDF :31.0/19

All: 275.102+/-454.320 χ^2/NDF : 42.6/37

asym_atl_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1096.409+/-0.346 χ^2/NDF :19750181.9/19

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

Left In: 4551.962+/-0.872 χ^2/NDF :1001917.6/17

Left: 1565.849+/-0.321 χ^2/NDF : 34335030.7/37

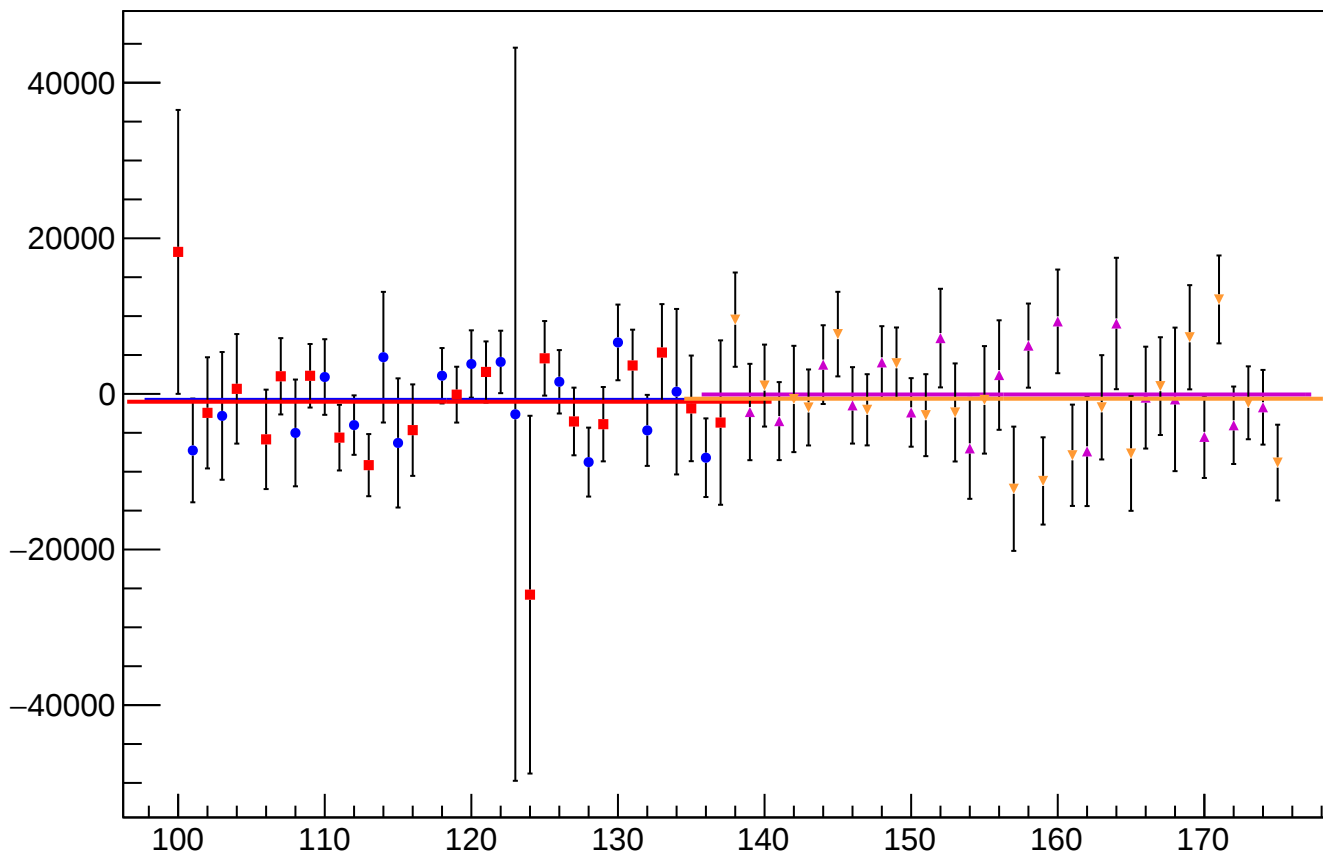
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4551.962+/-0.872 χ^2/NDF :1001917.6/17

Out: 1096.409+/-0.346 χ^2/NDF :19750181.9/19

All: 1565.849+/-0.321 χ^2/NDF : 34335030.7/37

asym_atl_dd_mean vs Slug, Sign Corrected



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

Left Out: -620.891+/-1274.040 χ^2/NDF : 23.9/19

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

Left In: -76.160+/-1338.031 χ^2/NDF : 12.3/17

Left: -361.863+/-922.676 χ^2/NDF : 36.3/37

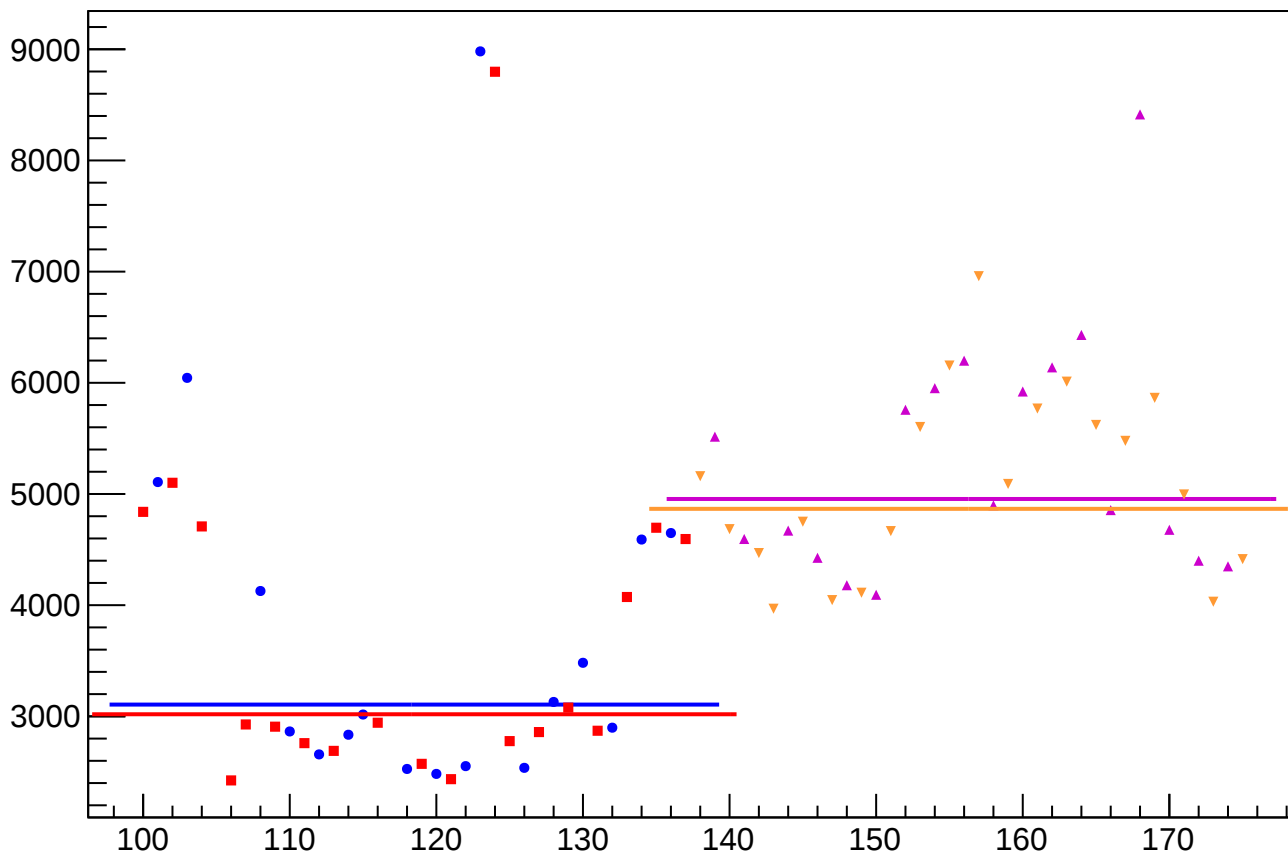
Right: -890.508+/-861.557 χ^2/NDF : 30.6/35

In: -444.671+/-912.523 χ^2/NDF : 28.0/34

Out: -825.741+/-870.086 χ^2/NDF : 38.9/38

All: -644.273+/-629.712 χ^2/NDF : 67.0/73

asym_atl_dd_rms vs Slug, Sign Corrected



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

Left Out: 4866.426 $\pm$ 0.901 χ^2/NDF : 703809.9/19

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

Left In: 4955.115 $\pm$ 0.946 χ^2/NDF : 834037.1/17

Left: 4908.599 $\pm$ 0.652 χ^2/NDF : 1542455.6/37

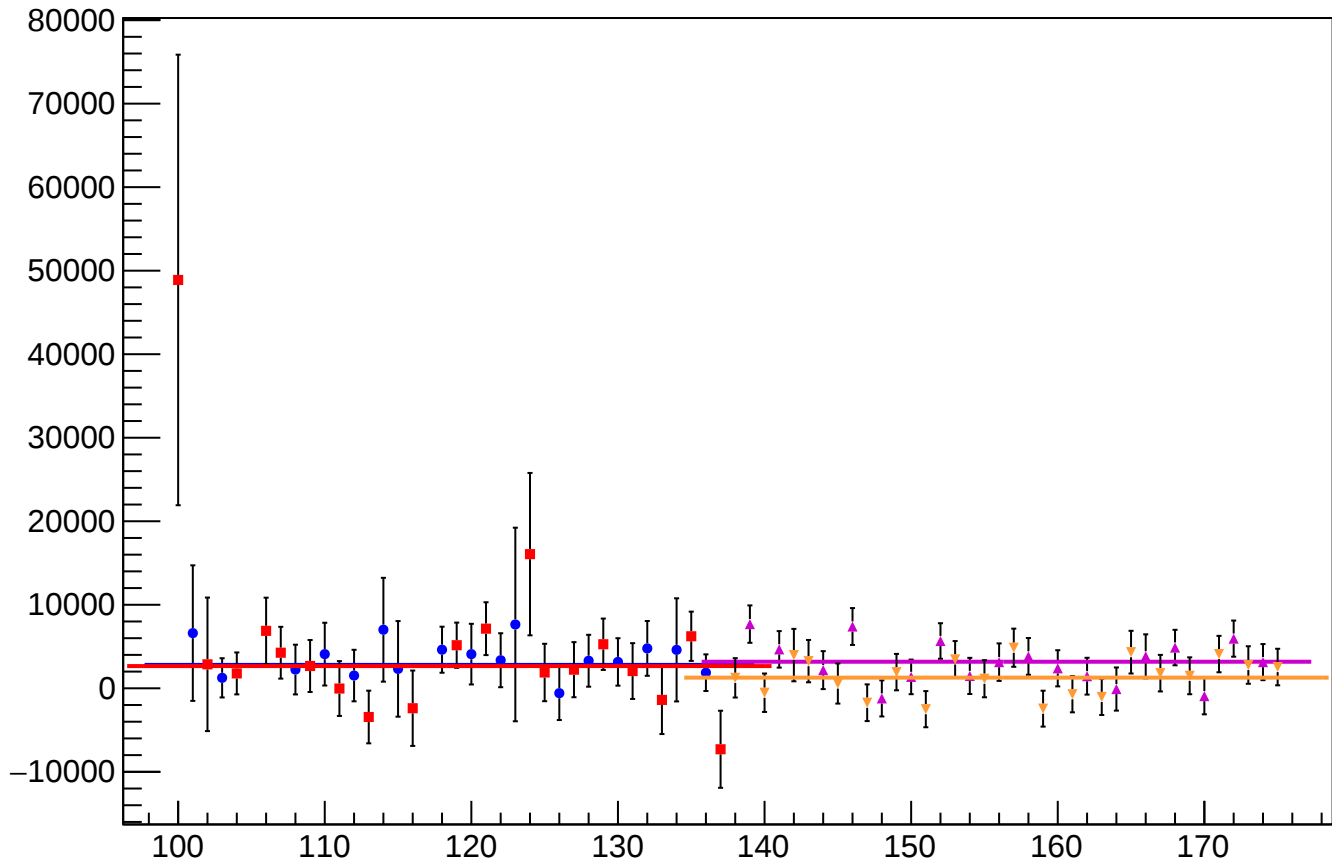
Right: 3059.752 $\pm$ 0.605 χ^2/NDF : 1759257.8/35

In: 3965.956 $\pm$ 0.645 χ^2/NDF : 3837307.8/34

Out: 3869.007 $\pm$ 0.611 χ^2/NDF : 3768786.9/38

All: 3914.850 $\pm$ 0.444 χ^2/NDF : 7617995.2/73

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2800.286+/-815.307 χ^2/NDF : 4.0/16

Left Out: 1277.237+/-509.024 χ^2/NDF :19.4/19

Right Out: 2660.424+/-808.554 χ^2/NDF : 22.8/18

Left In: 3180.782+/-522.240 χ^2/NDF :23.6/17

Left: 2204.619+/-364.517 χ^2/NDF : 49.8/37

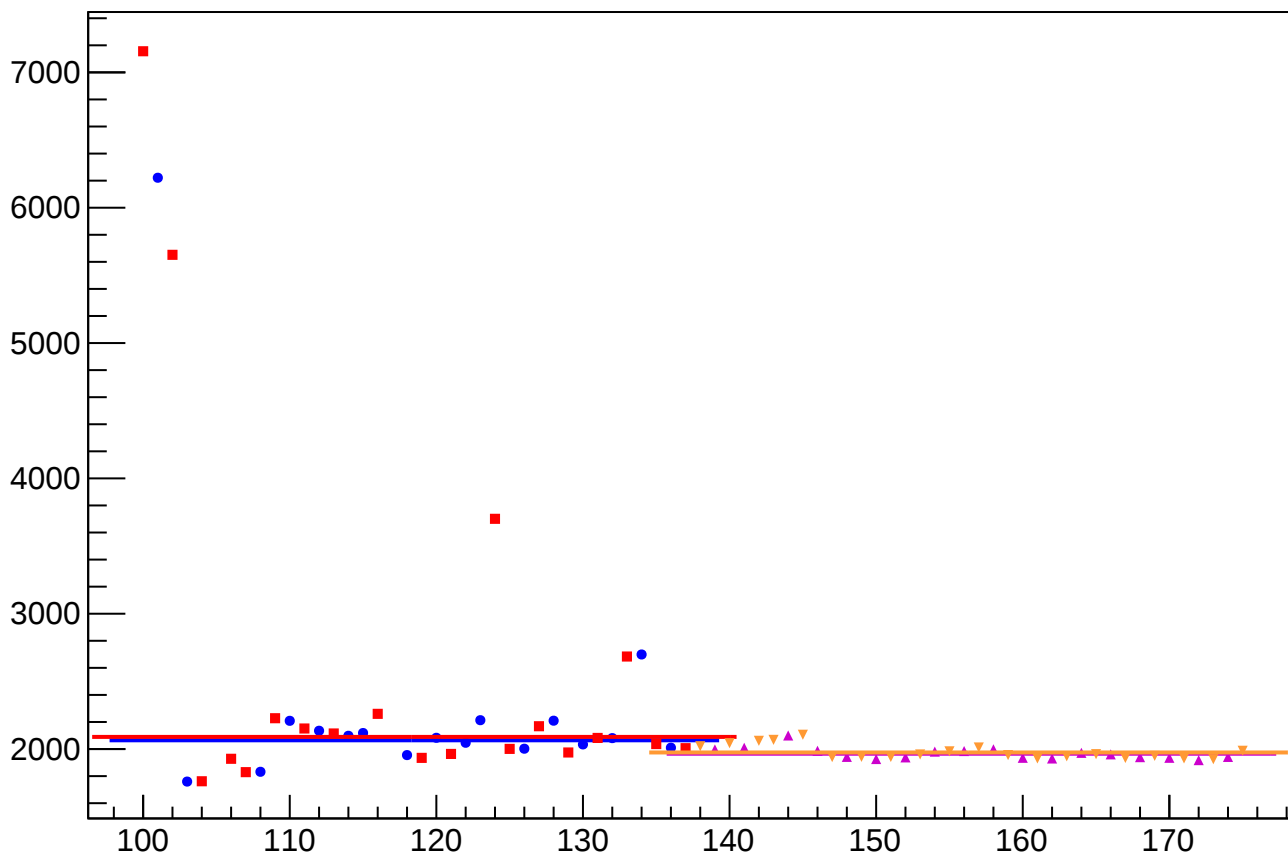
Right: 2729.773+/-574.107 χ^2/NDF : 26.8/35

In: 3070.084+/-439.759 χ^2/NDF :27.7/34

Out: 1669.838+/-430.769 χ^2/NDF :44.3/38

All: 2355.501+/-307.729 χ^2/NDF : 77.2/73

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 2064.706 $\pm$ 0.577 χ^2 /NDF: 606406.5/16

Left Out: 1974.784 $\pm$ 0.360 χ^2 /NDF:18973.5/19

Right Out: 2089.787 $\pm$ 0.572 χ^2 /NDF: 640582.7/18

Left In: 1965.431 $\pm$ 0.369 χ^2 /NDF:13184.4/17

Left: 1970.227 $\pm$ 0.258 χ^2 /NDF: 32486.9/37

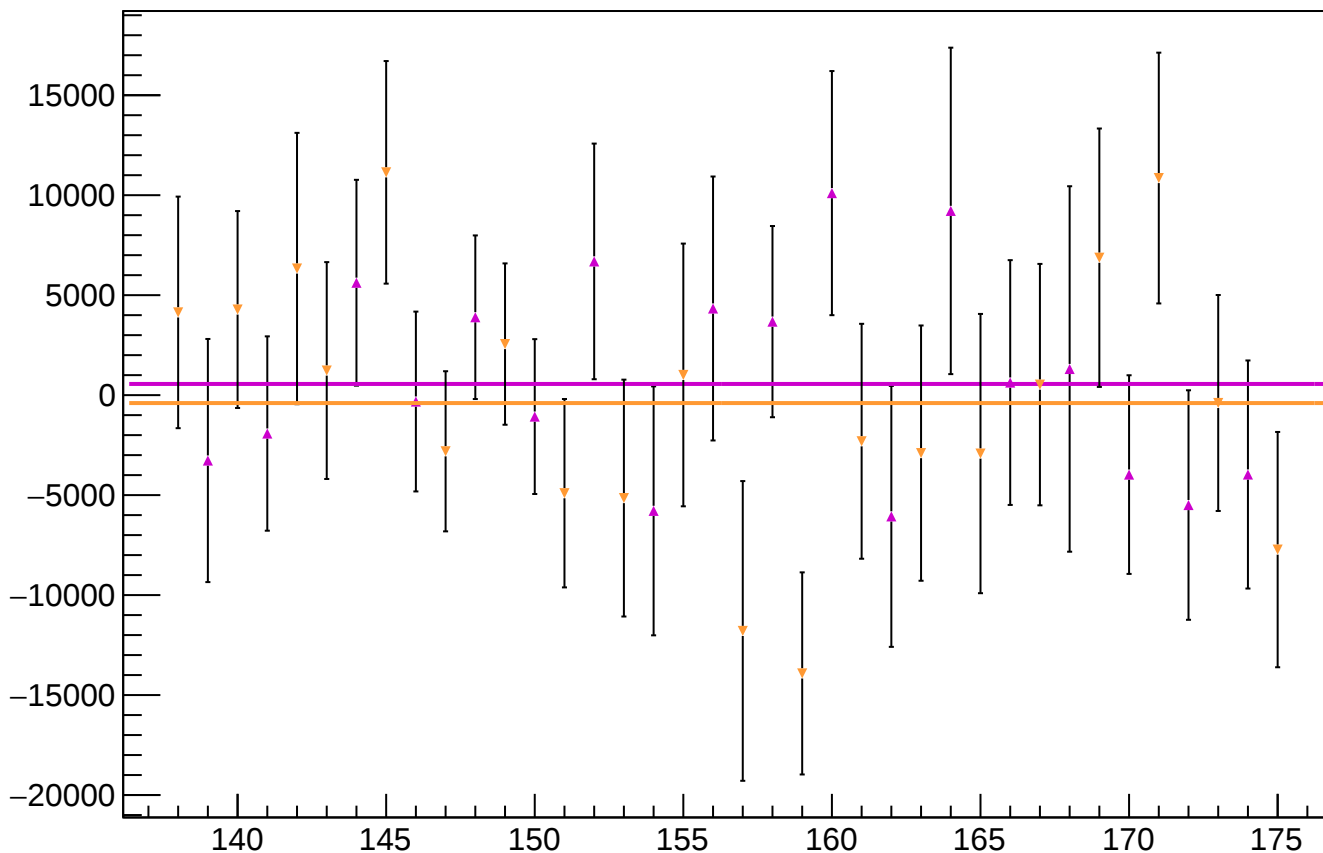
Right: 2077.355 $\pm$ 0.406 χ^2 /NDF: 1247943.7/35

In: 1994.313 $\pm$ 0.311 χ^2 /NDF:640616.9/34

Out: 2007.443 $\pm$ 0.305 χ^2 /NDF:688547.3/38

All: 2001.014 $\pm$ 0.218 χ^2 /NDF: 1330074.2/73

asym_atr_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -396.257+/-1239.833 χ^2/NDF :25.3/19

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

Left In: 559.357+/-1280.456 χ^2/NDF :12.6/17

Left: 66.151+/-890.710 χ^2/NDF : 38.2/37

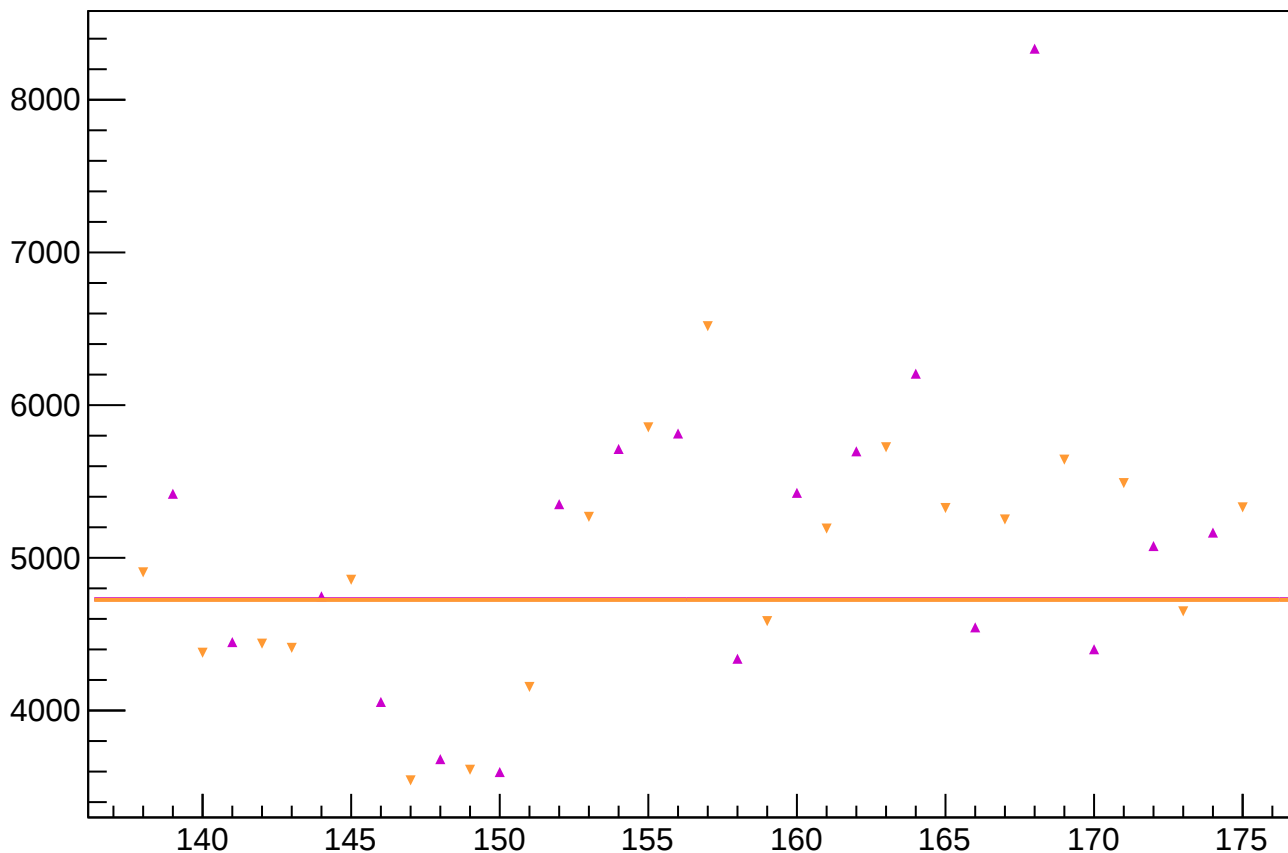
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 559.357+/-1280.456 χ^2/NDF :12.6/17

Out: -396.257+/-1239.833 χ^2/NDF :25.3/19

All: 66.151+/-890.710 χ^2/NDF : 38.2/37

asym_atr_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 4724.526+/-0.877 χ^2/NDF : 754302.3/19

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

Left In: 4728.895+/-0.905 χ^2/NDF : 995442.3/17

Left: 4726.640+/-0.630 χ^2/NDF : 1749756.7/37

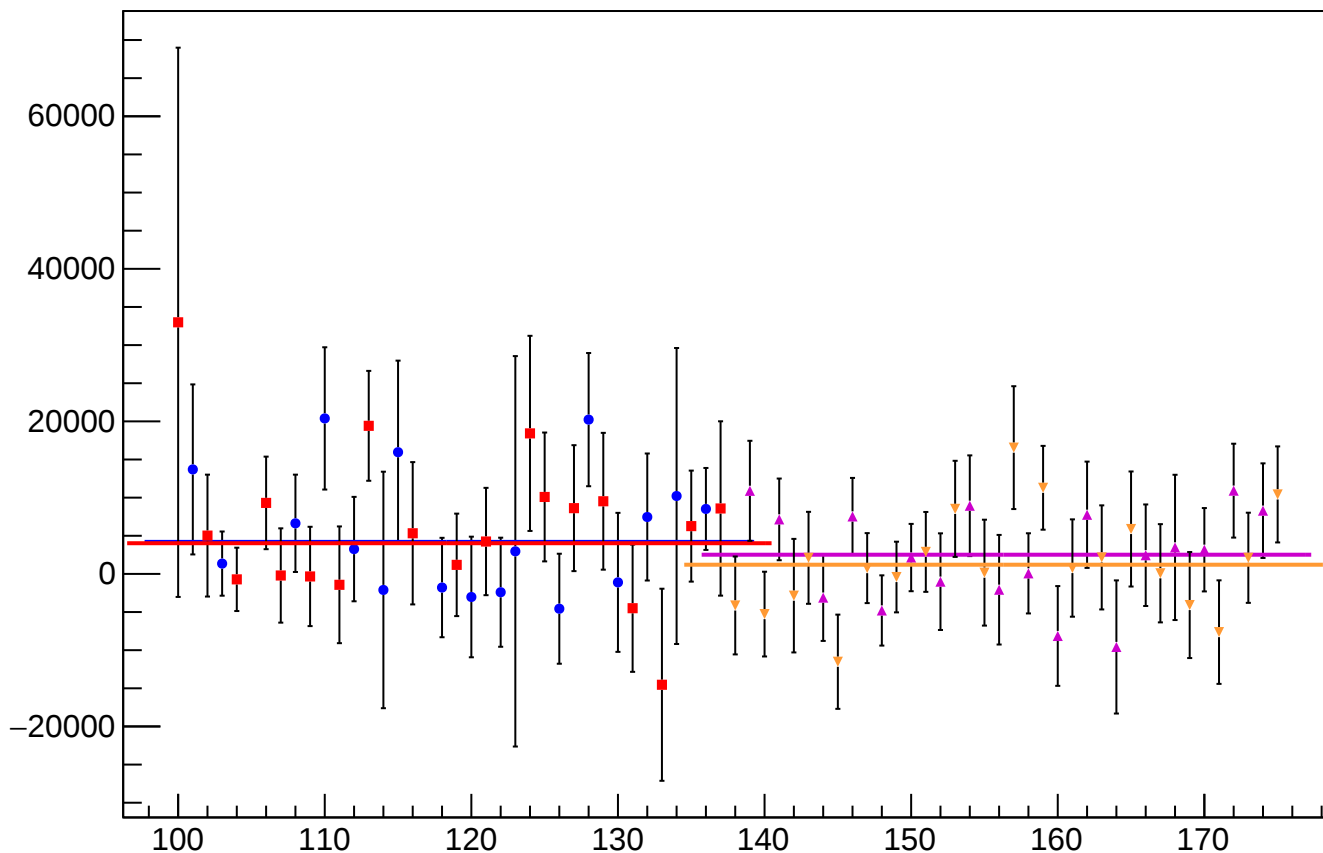
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4728.895+/-0.905 χ^2/NDF : 995442.3/17

Out: 4724.526+/-0.877 χ^2/NDF : 754302.3/19

All: 4726.640+/-0.630 χ^2/NDF : 1749756.7/37

asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: 1205.435+/-1364.092 χ^2/NDF : 20.1/19

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

Left In: 2516.581+/-1404.644 χ^2/NDF : 16.6/17

Left: 1841.809+/-978.581 χ^2/NDF : 37.2/37

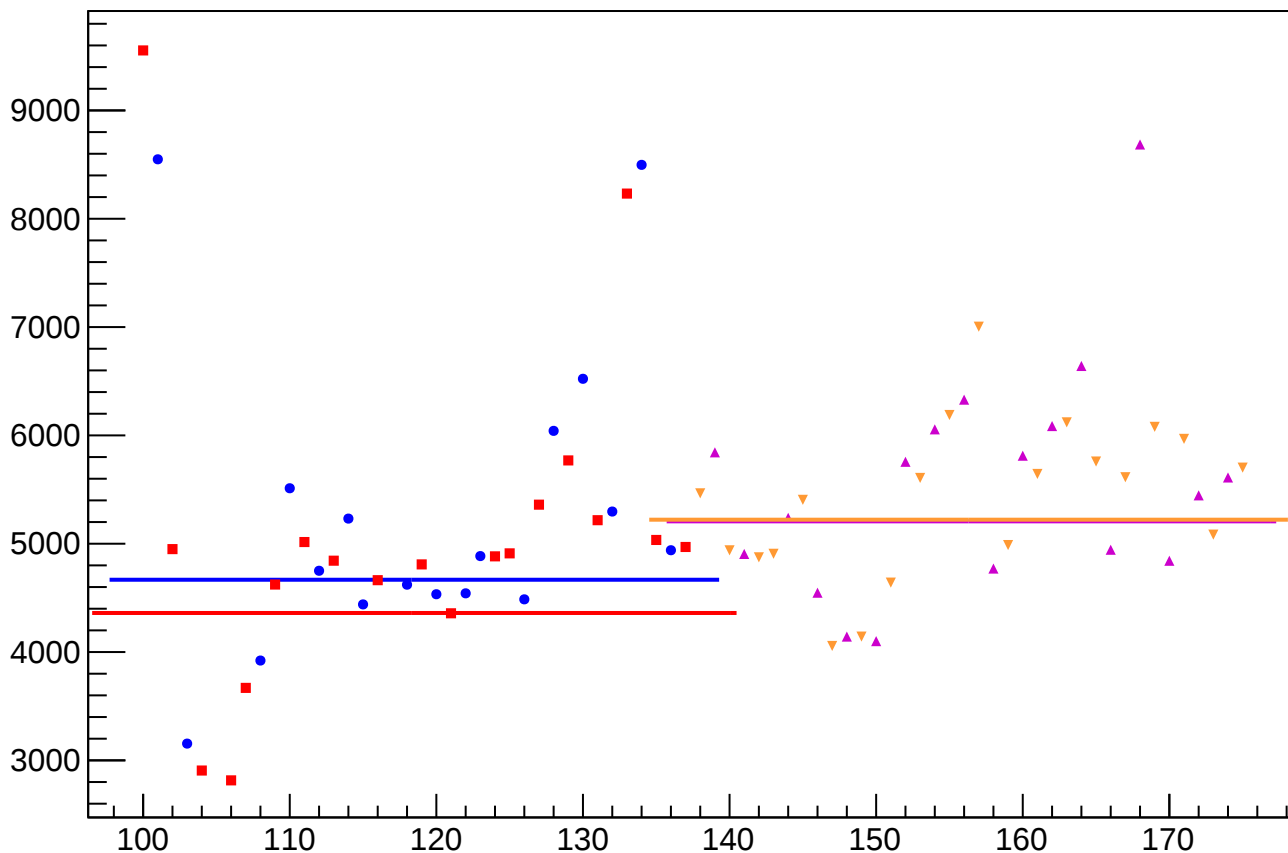
Right: 4104.755+/-1264.177 χ^2/NDF : 29.0/35

In: 3128.440+/-1120.438 χ^2/NDF : 31.3/34

Out: 2289.583+/-1070.018 χ^2/NDF : 36.6/38

All: 2689.713+/-773.828 χ^2/NDF : 68.2/73

asym_atr_avg_rms vs Slug, Sign Corrected



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

Left Out: 5221.799+/-0.965 χ^2/NDF : 557914.8/19

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

Left In: 5206.499+/-0.993 χ^2/NDF : 795908.8/17

Left: 5214.373+/-0.692 χ^2/NDF : 1353945.7/37

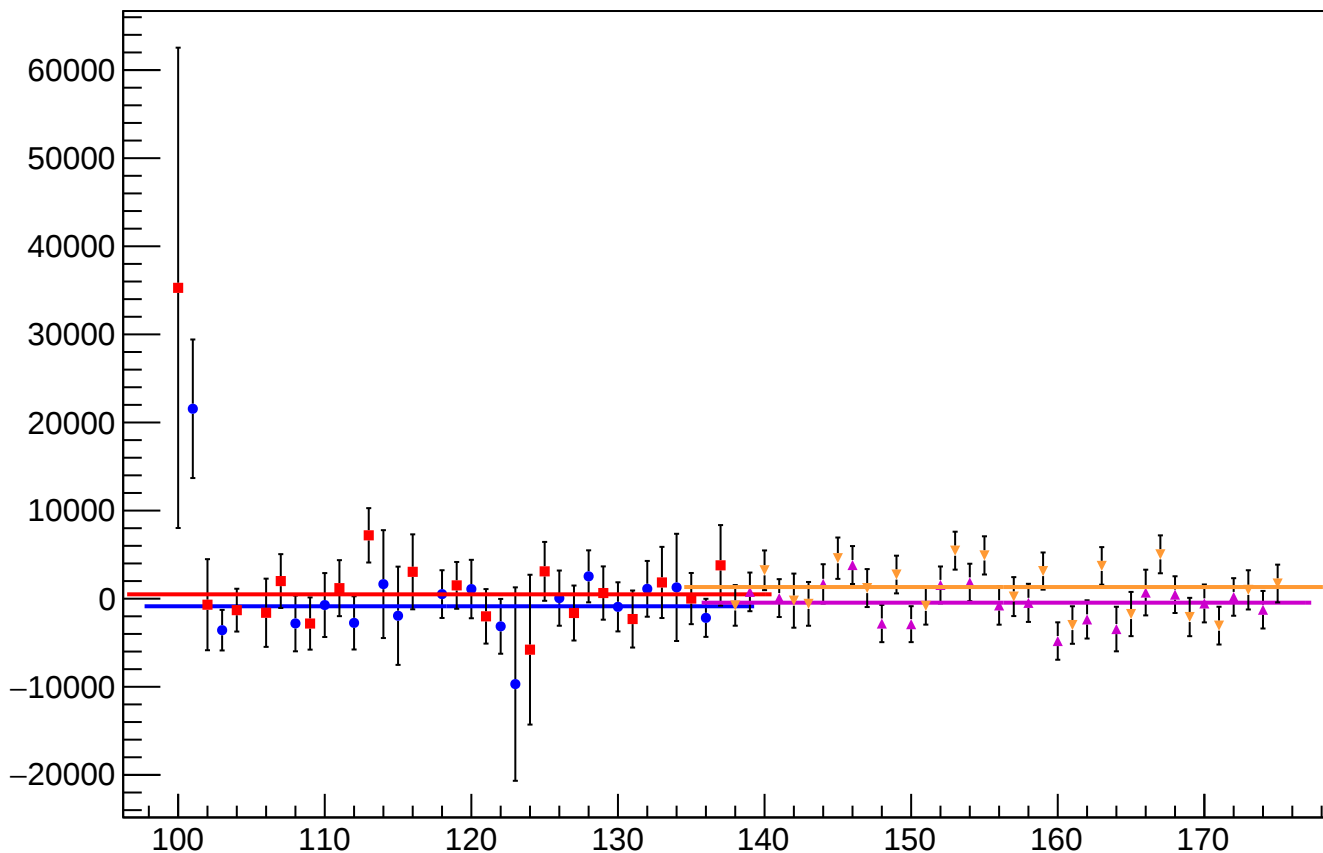
Right: 4501.800+/-0.891 χ^2/NDF : 1640064.7/35

In: 5010.440+/-0.792 χ^2/NDF : 1680893.5/34

Out: 4888.135+/-0.755 χ^2/NDF : 1699522.6/38

All: 4946.337+/-0.547 χ^2/NDF : 3392906.5/73

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -860.655 ± 797.010 χ^2/NDF : 14.6/16

Left Out: 1322.987 ± 499.409 χ^2/NDF : 29.7/19

Right Out: 495.139 ± 780.927 χ^2/NDF : 13.0/18

Left In: -453.669 ± 512.742 χ^2/NDF : 17.0/17

Left: 458.057 ± 357.756 χ^2/NDF : 52.9/37

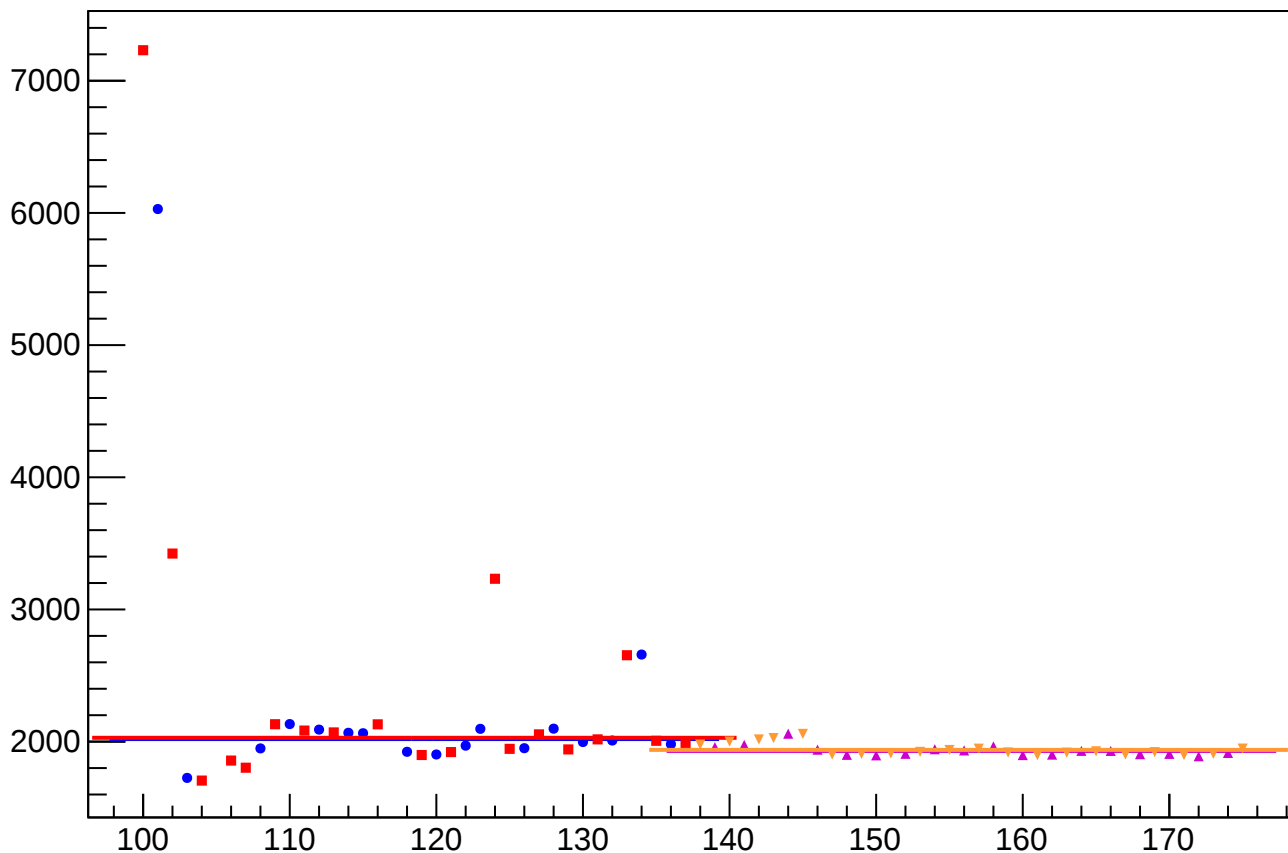
Right: -168.941 ± 557.798 χ^2/NDF : 29.0/35

In: -572.804 ± 431.214 χ^2/NDF : 31.8/34

Out: 1082.694 ± 420.732 χ^2/NDF : 43.4/38

All: 275.311 ± 301.140 χ^2/NDF : 82.8/73

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 2019.624+/-0.564 χ^2/NDF : 587843.0/16

Left Out: 1937.648+/-0.353 χ^2/NDF : 15642.2/19

Right Out: 2028.987+/-0.551 χ^2/NDF : 371968.1/18

Left In: 1929.774+/-0.363 χ^2/NDF : 11918.4/17

Left: 1933.815+/-0.253 χ^2/NDF : 27802.6/37

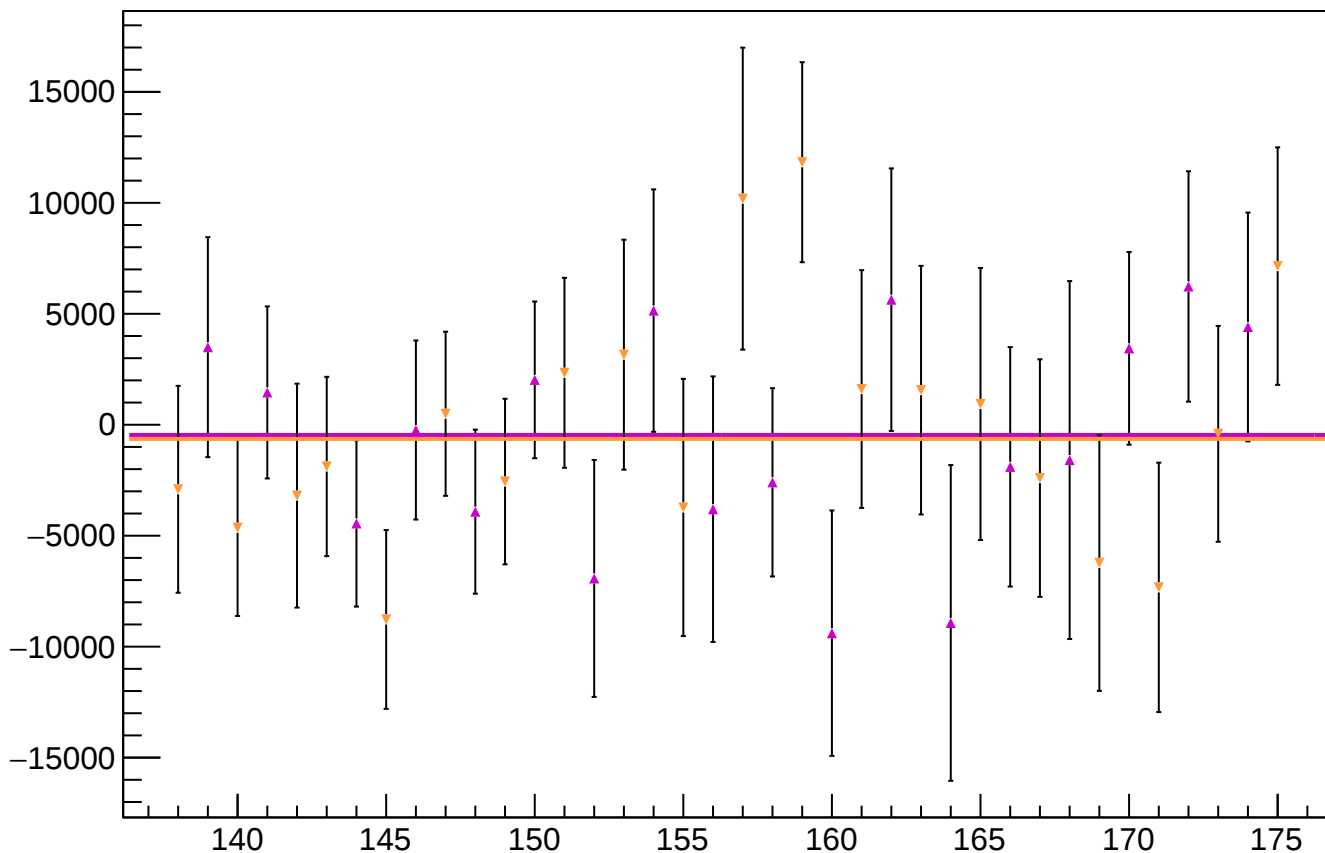
Right: 2024.407+/-0.394 χ^2/NDF : 959952.1/35

In: 1956.075+/-0.305 χ^2/NDF : 617739.0/34

Out: 1964.209+/-0.297 χ^2/NDF : 407064.4/38

All: 1960.244+/-0.213 χ^2/NDF : 1025168.0/73

asym_atr_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -638.646+/-1068.495 χ^2/NDF :22.5/19

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

Left In: -460.066+/-1115.388 χ^2/NDF :15.0/17

Left: -553.189+/-771.585 χ^2/NDF : 37.5/37

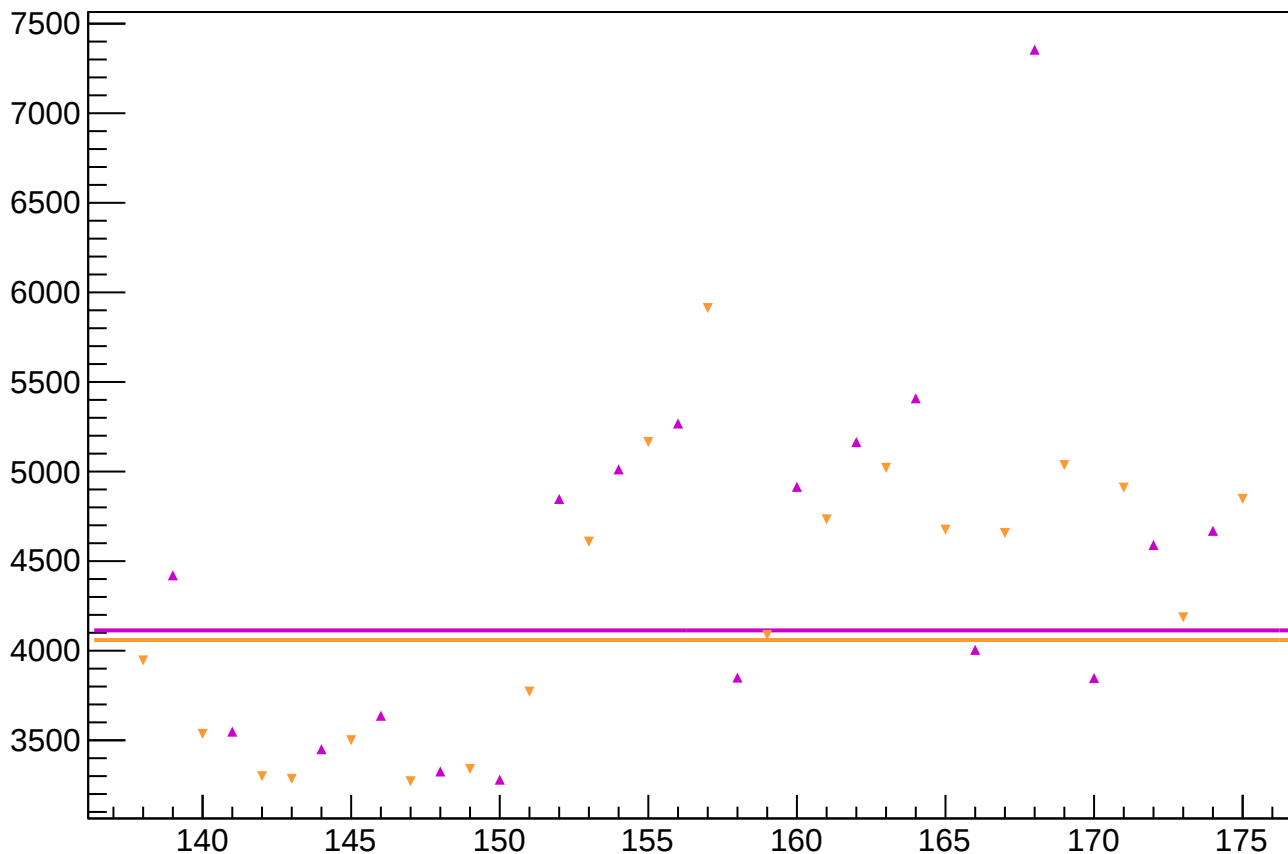
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -460.066+/-1115.388 χ^2/NDF :15.0/17

Out: -638.646+/-1068.495 χ^2/NDF :22.5/19

All: -553.189+/-771.585 χ^2/NDF : 37.5/37

asym_atr_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 4059.437+/-0.756 χ^2/NDF :894892.8/19

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

Left In: 4113.405+/-0.789 χ^2/NDF :1059725.0/17

Left: 4085.263+/-0.546 χ^2/NDF : 1957059.4/37

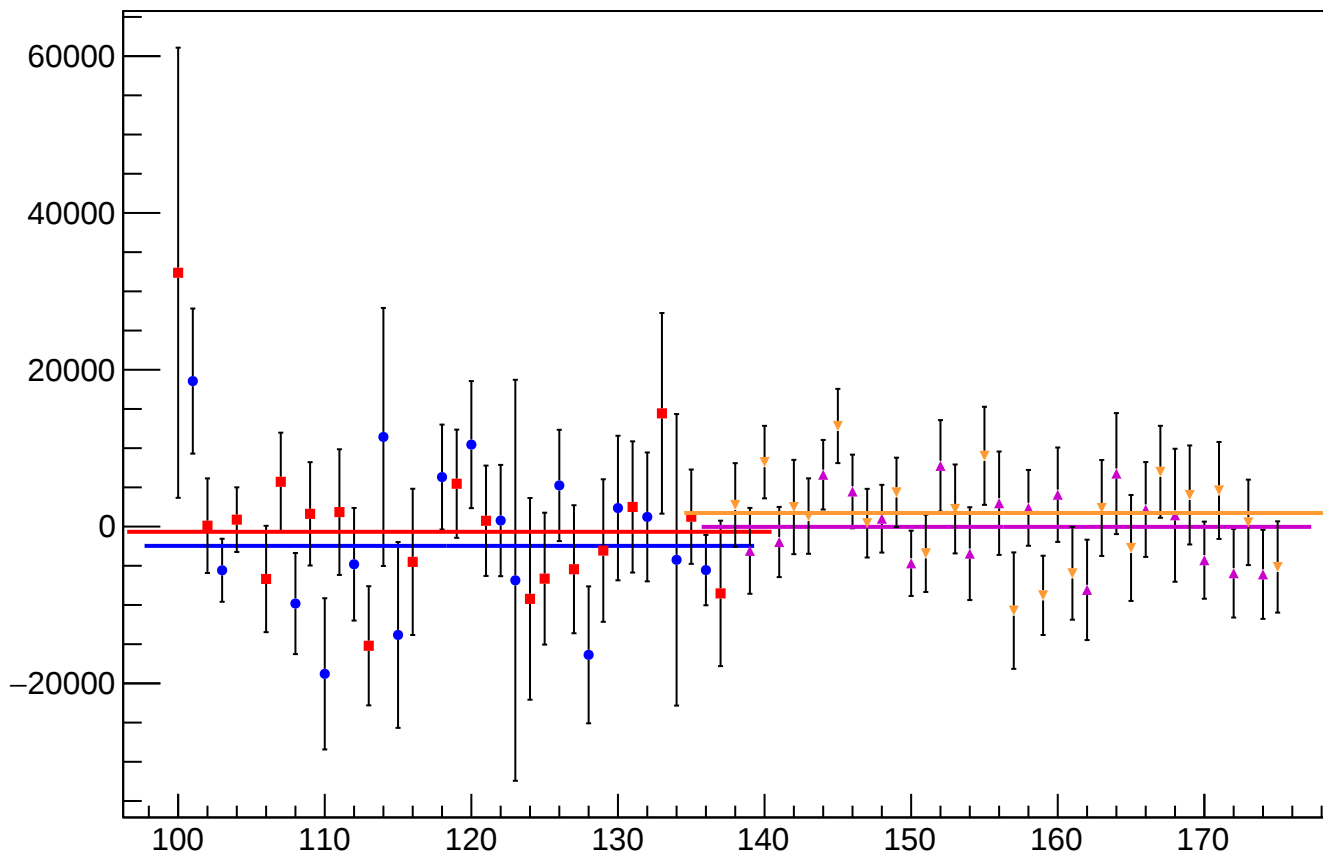
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4113.405+/-0.789 χ^2/NDF :1059725.0/17

Out: 4059.437+/-0.756 χ^2/NDF :894892.8/19

All: 4085.263+/-0.546 χ^2/NDF : 1957059.4/37

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2462.254+/-1797.293 χ^2/NDF : 20.8/16

Left Out: 1733.389+/-1215.845 χ^2/NDF : 22.3/19

Right Out: -666.170+/-1689.812 χ^2/NDF : 11.9/18

Left In: -38.067+/-1261.795 χ^2/NDF : 13.5/17

Left: 880.503+/-875.526 χ^2/NDF : 36.8/37

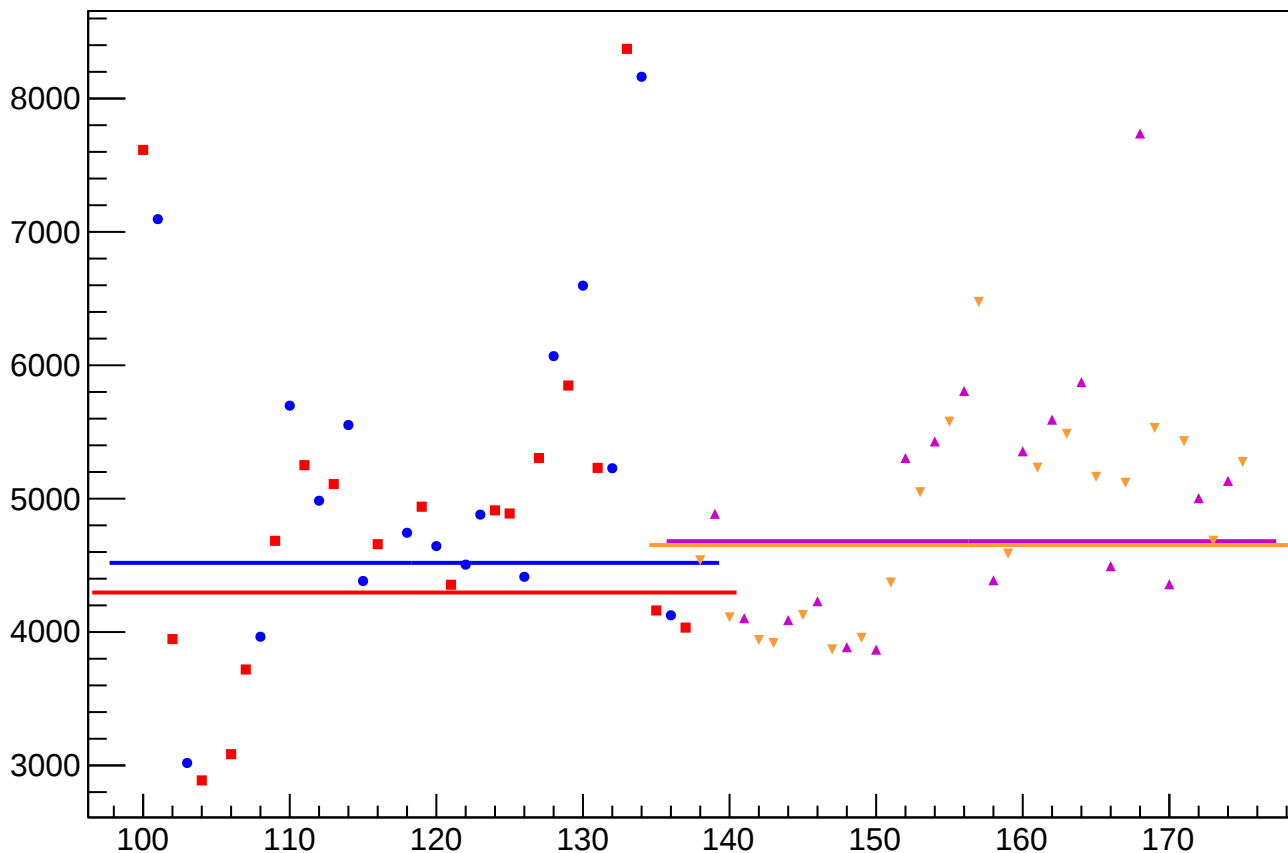
Right: -1508.905+/-1231.122 χ^2/NDF : 33.3/35

In: -838.420+/-1032.706 χ^2/NDF : 35.6/34

Out: 914.878+/-986.927 χ^2/NDF : 35.5/38

All: 77.951+/-713.498 χ^2/NDF : 72.6/73

asym_atr_dd_rms vs Slug, Sign Corrected



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

Left Out: 4652.079 $\pm$ 0.860 χ^2 /NDF: 595466.7/19

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

Left In: 4681.338 $\pm$ 0.892 χ^2 /NDF: 757212.1/17

Left: 4666.166 $\pm$ 0.619 χ^2 /NDF: 1353236.5/37

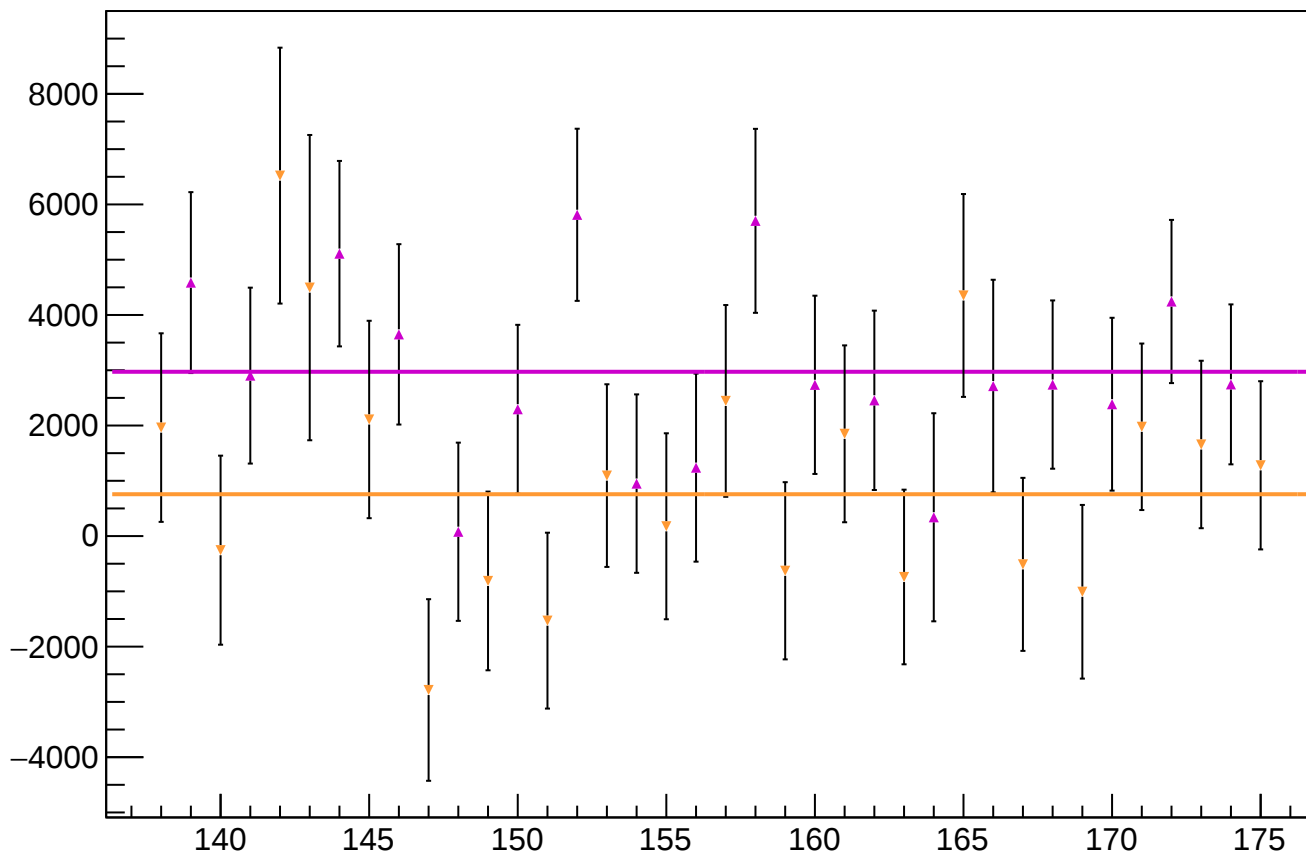
Right: 4400.071 $\pm$ 0.868 χ^2 /NDF: 1558255.2/35

In: 4627.637 $\pm$ 0.730 χ^2 /NDF: 1538411.3/34

Out: 4529.856 $\pm$ 0.697 χ^2 /NDF: 1425987.1/38

All: 4576.438 $\pm$ 0.504 χ^2 /NDF: 2973786.9/73

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: 757.169+/-374.851 χ^2/NDF :27.2/19

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

Left In: 2972.471+/-380.403 χ^2/NDF :17.8/17

Left: 1848.536+/-267.001 χ^2/NDF : 62.3/37

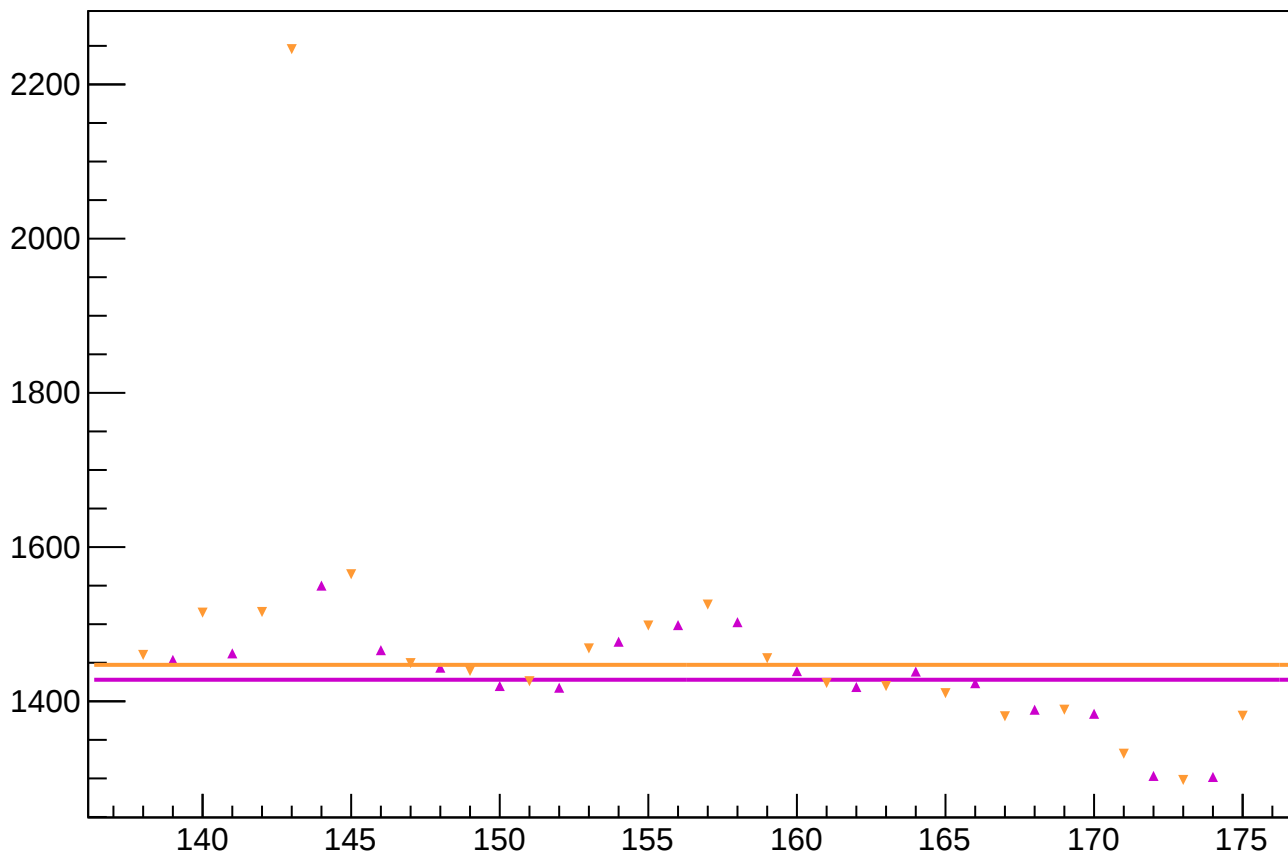
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2972.471+/-380.403 χ^2/NDF :17.8/17

Out: 757.169+/-374.851 χ^2/NDF :27.2/19

All: 1848.536+/-267.001 χ^2/NDF : 62.3/37

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: 1447.287+/-0.265 χ^2/NDF :230671.0/19

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

Left In: 1427.960+/-0.269 χ^2/NDF :55413.5/17

Left: 1437.765+/-0.189 χ^2/NDF : 288703.8/37

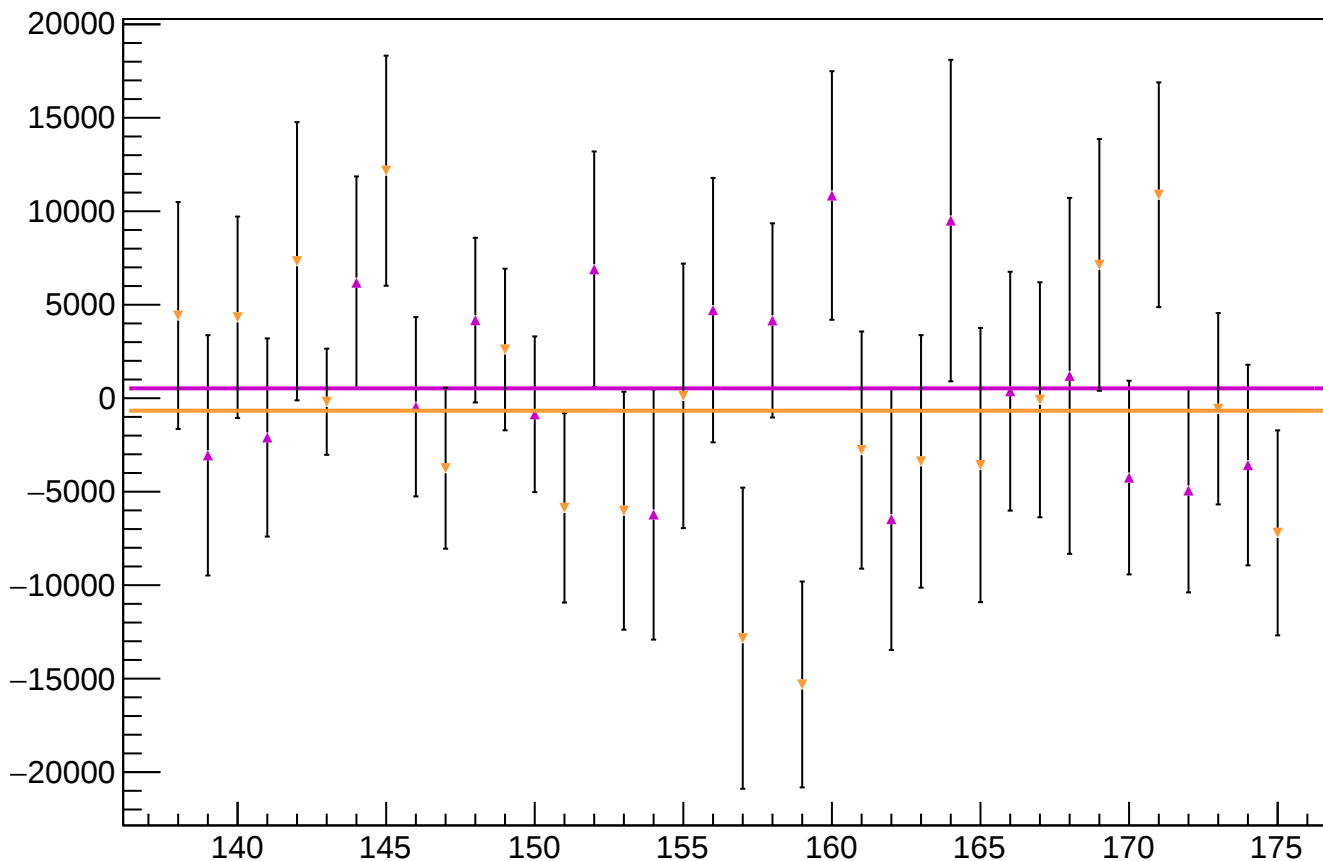
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1427.960+/-0.269 χ^2/NDF :55413.5/17

Out: 1447.287+/-0.265 χ^2/NDF :230671.0/19

All: 1437.765+/-0.189 χ^2/NDF : 288703.8/37

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: -667.170+/-1211.333 χ^2/NDF :26.2/19

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

Left In: 526.578+/-1353.604 χ^2/NDF :12.2/17

Left: -136.307+/-902.664 χ^2/NDF : 38.8/37

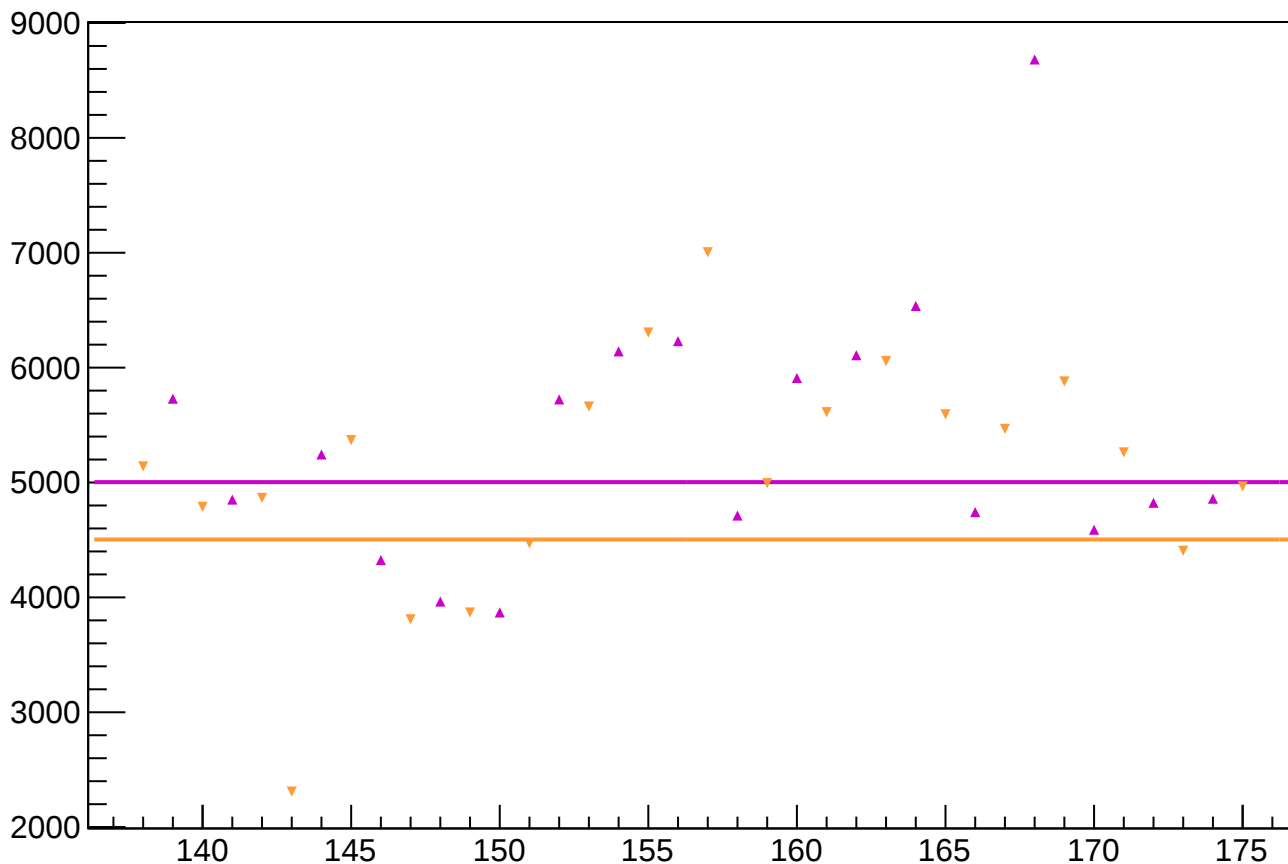
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 526.578+/-1353.604 χ^2/NDF :12.2/17

Out: -667.170+/-1211.333 χ^2/NDF :26.2/19

All: -136.307+/-902.664 χ^2/NDF : 38.8/37

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: 4504.082+/-0.857 χ^2/NDF :2153961.9/19

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

Left In: 5003.332+/-0.957 χ^2/NDF :950124.0/17

Left: 4726.100+/-0.638 χ^2/NDF : 3255166.3/37

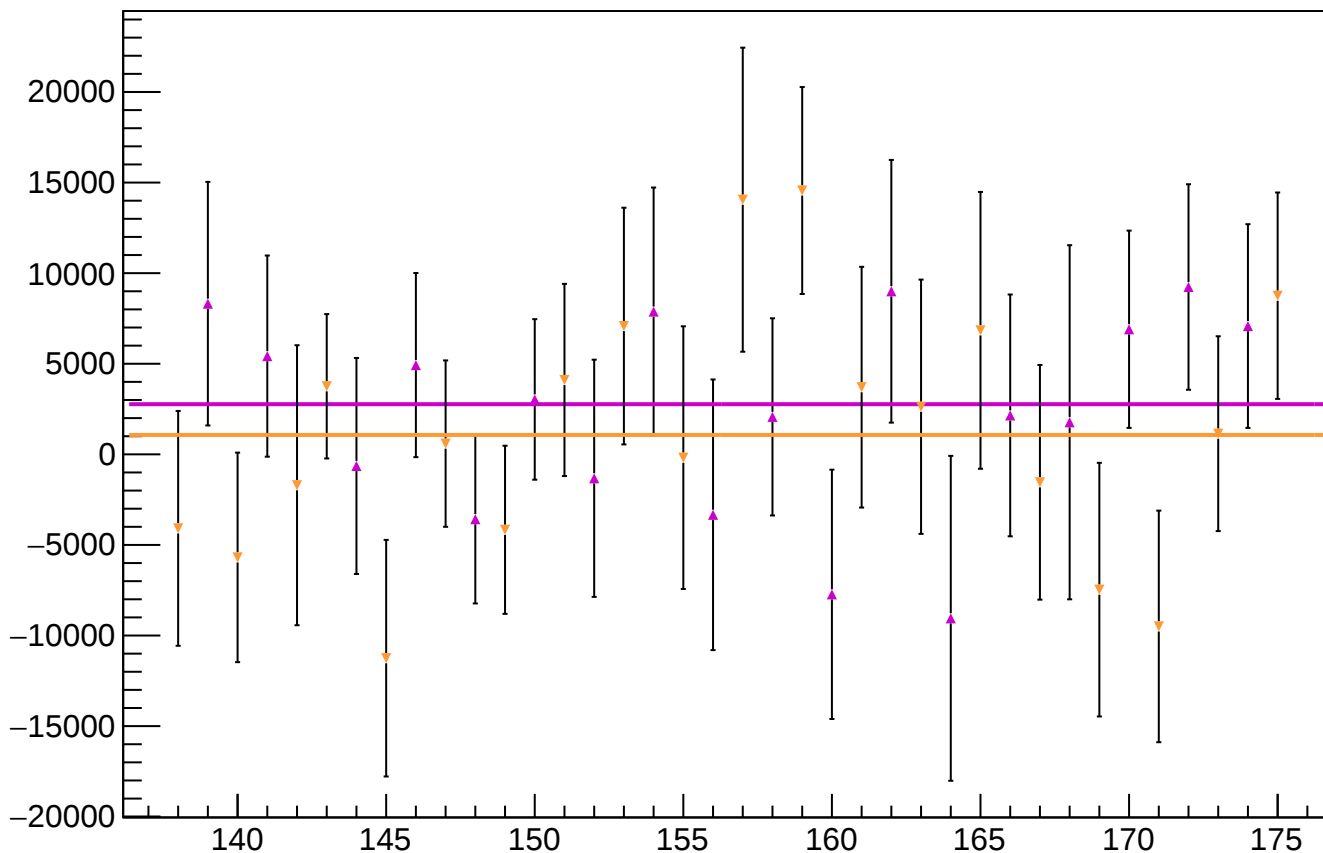
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 5003.332+/-0.957 χ^2/NDF :950124.0/17

Out: 4504.082+/-0.857 χ^2/NDF :2153961.9/19

All: 4726.100+/-0.638 χ^2/NDF : 3255166.3/37

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: 1070.545+/-1326.941 χ^2/NDF :23.6/19

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

Left In: 2767.400+/-1418.572 χ^2/NDF :12.2/17

Left: 1862.403+/-969.064 χ^2/NDF : 36.6/37

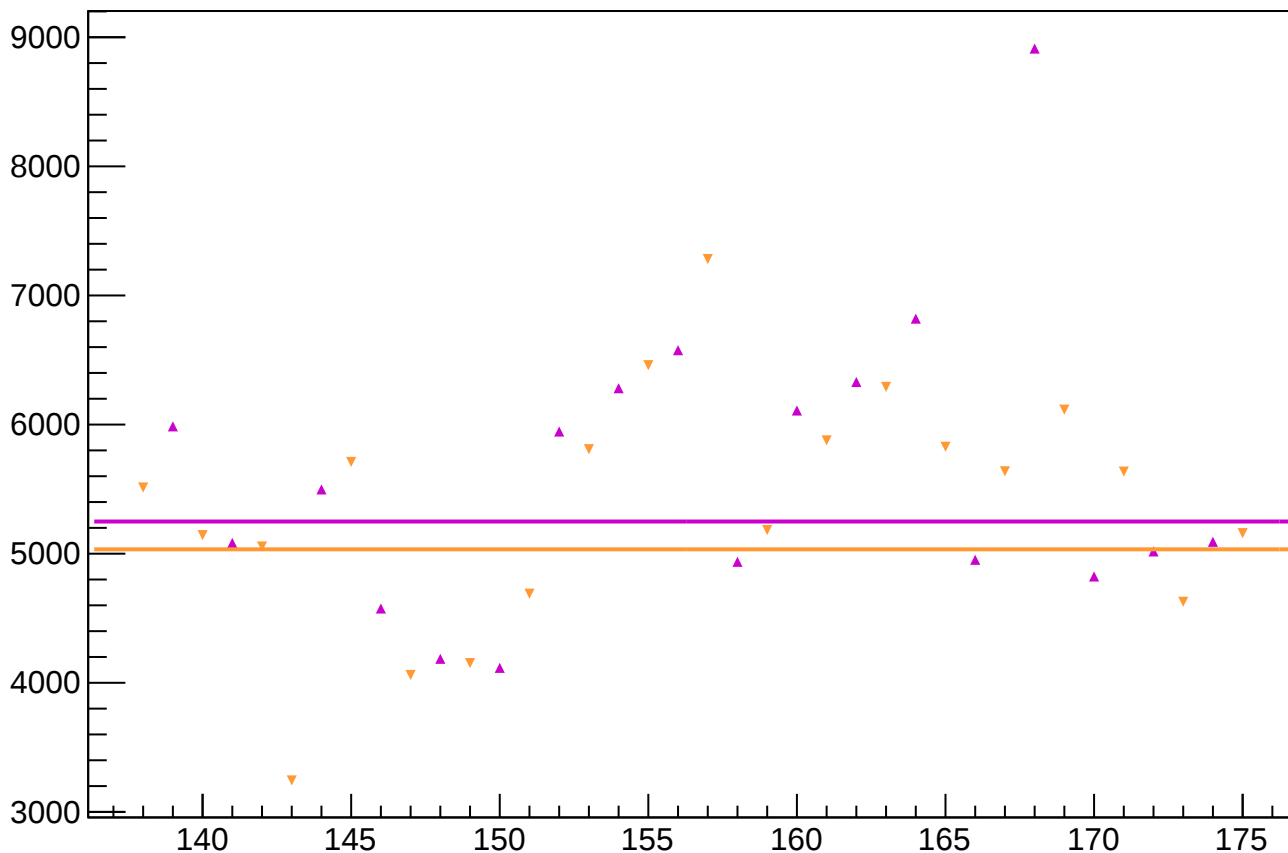
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2767.400+/-1418.572 χ^2/NDF :12.2/17

Out: 1070.545+/-1326.941 χ^2/NDF :23.6/19

All: 1862.403+/-969.064 χ^2/NDF : 36.6/37

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: 5033.827+/-0.938 χ^2/NDF :1071262.0/19

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

Left In: 5249.115+/-1.003 χ^2/NDF :876854.4/17

Left: 5134.294+/-0.685 χ^2/NDF : 1972684.5/37

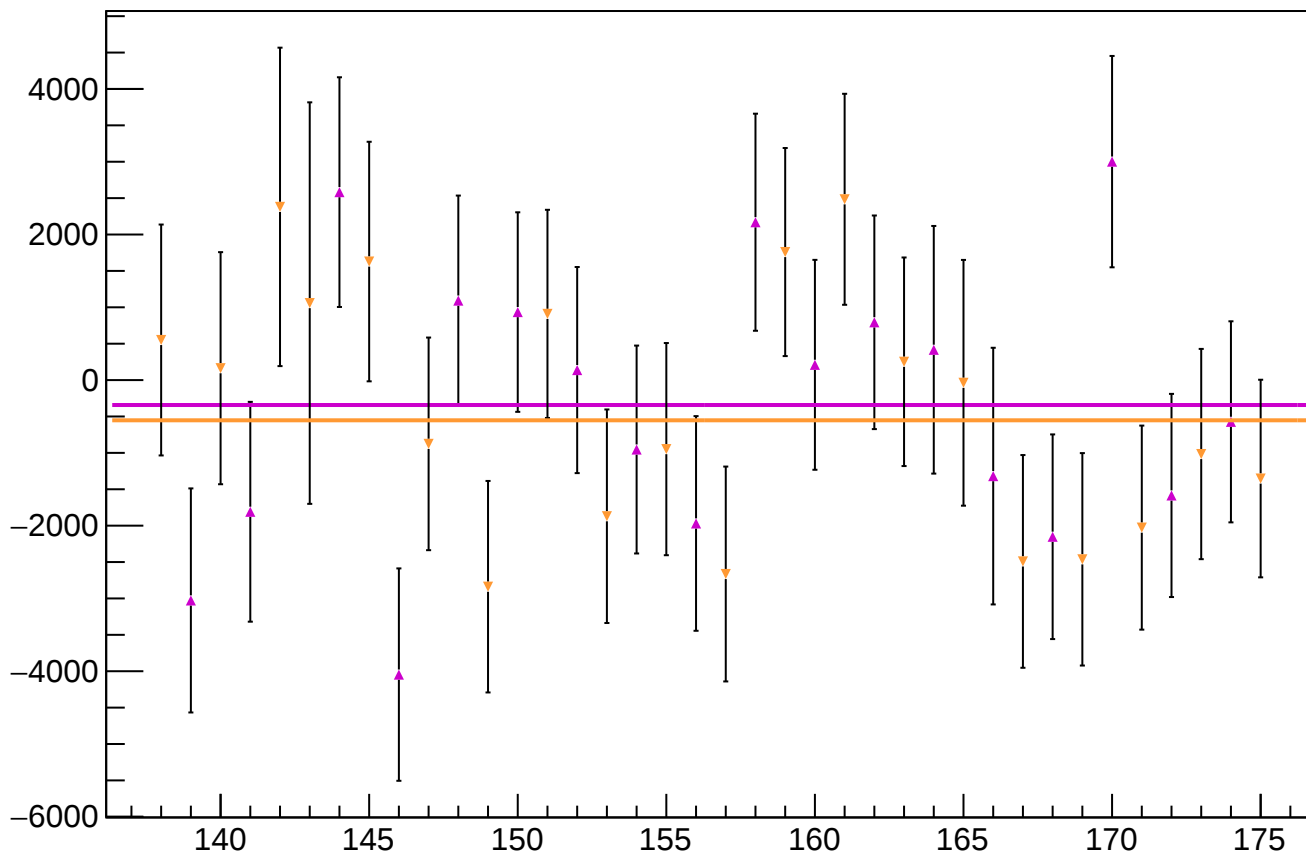
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 5249.115+/-1.003 χ^2/NDF :876854.4/17

Out: 5033.827+/-0.938 χ^2/NDF :1071262.0/19

All: 5134.294+/-0.685 χ^2/NDF : 1972684.5/37

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: -552.499+/-341.034 χ^2/NDF :23.5/19

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

Left In: -342.390+/-347.666 χ^2/NDF :29.1/17

Left: -449.467+/-243.458 χ^2/NDF : 52.8/37

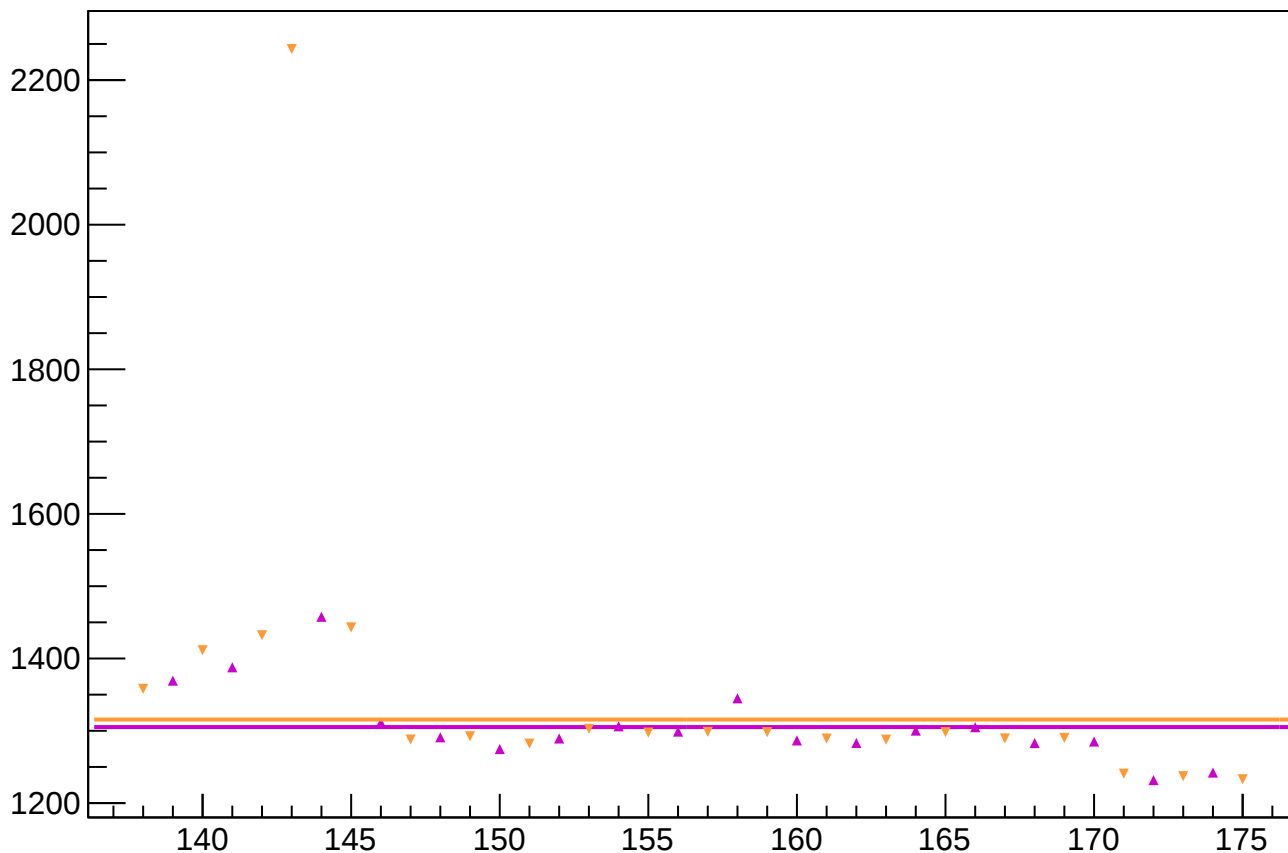
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -342.390+/-347.666 χ^2/NDF :29.1/17

Out: -552.499+/-341.034 χ^2/NDF :23.5/19

All: -449.467+/-243.458 χ^2/NDF : 52.8/37

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: 1315.562+/-0.241 χ^2/NDF :277617.8/19

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

Left In: 1305.184+/-0.246 χ^2/NDF :42433.9/17

Left: 1310.473+/-0.172 χ^2/NDF : 320959.9/37

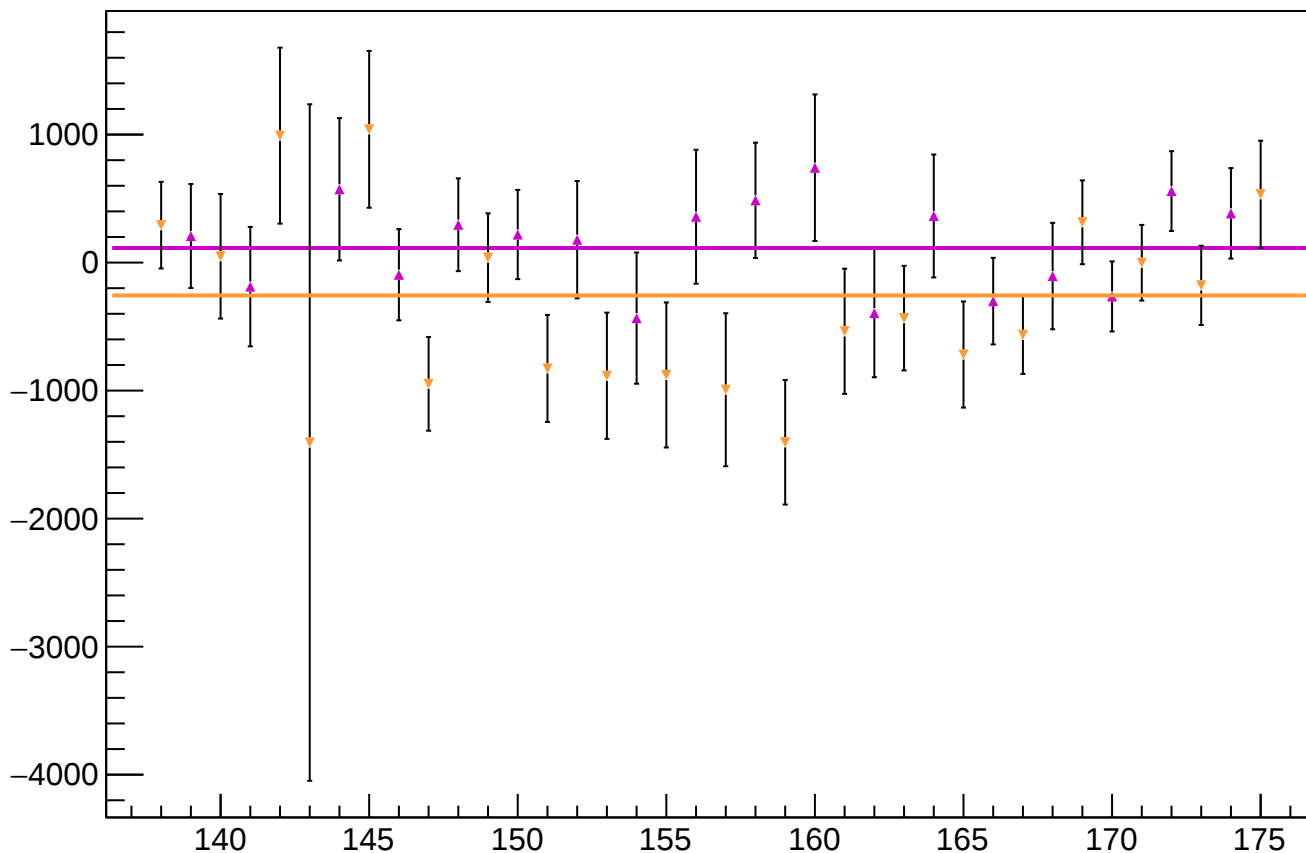
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1305.184+/-0.246 χ^2/NDF :42433.9/17

Out: 1315.562+/-0.241 χ^2/NDF :277617.8/19

All: 1310.473+/-0.172 χ^2/NDF : 320959.9/37

asym_atl_avg_atr_avg_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -256.777+/-92.315 χ^2/NDF :37.2/19

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

Left In: 113.962+/-94.353 χ^2/NDF :12.7/17

Left: -75.456+/-65.985 χ^2/NDF : 57.9/37

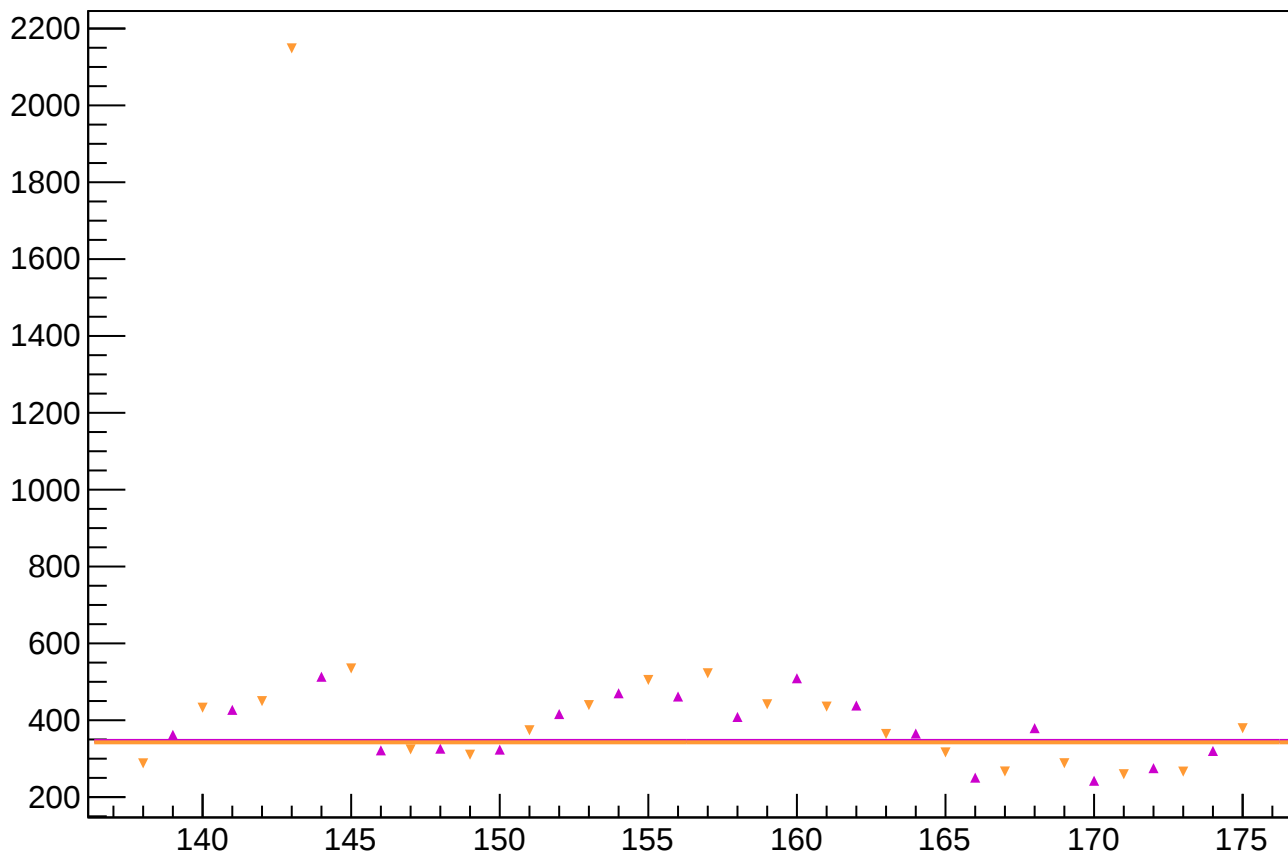
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 113.962+/-94.353 χ^2/NDF :12.7/17

Out: -256.777+/-92.315 χ^2/NDF :37.2/19

All: -75.456+/-65.985 χ^2/NDF : 57.9/37

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: 342.573+/-0.065 χ^2/NDF :2399016.8/19

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

Left In: 346.184+/-0.067 χ^2/NDF :1373756.5/17

Left: 344.339+/-0.047 χ^2/NDF : 3774269.9/37

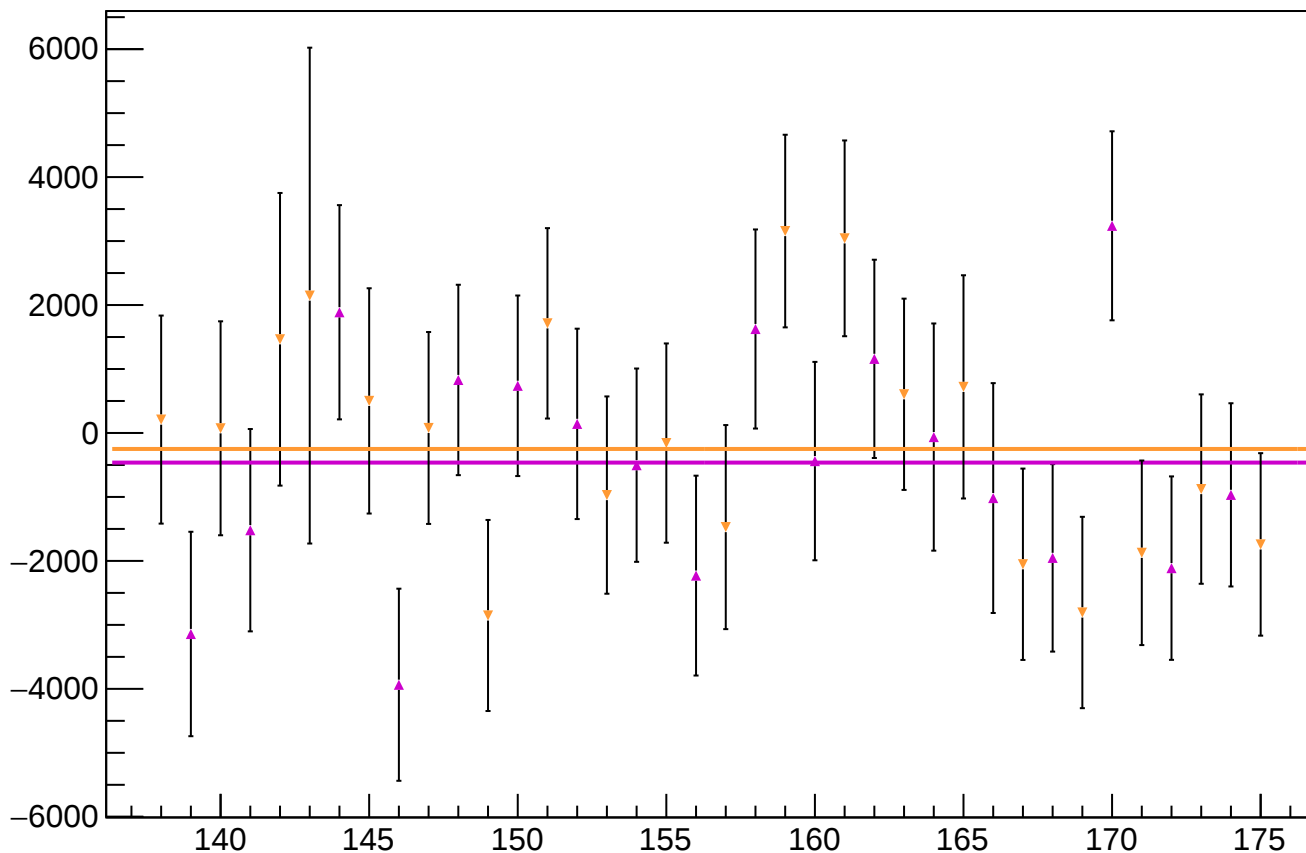
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 346.184+/-0.067 χ^2/NDF :1373756.5/17

Out: 342.573+/-0.065 χ^2/NDF :2399016.8/19

All: 344.339+/-0.047 χ^2/NDF : 3774269.9/37

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: -249.904+/-356.850 χ^2/NDF :24.2/19

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

Left In: -463.079+/-362.380 χ^2/NDF :25.3/17

Left: -354.853+/-254.264 χ^2/NDF : 49.7/37

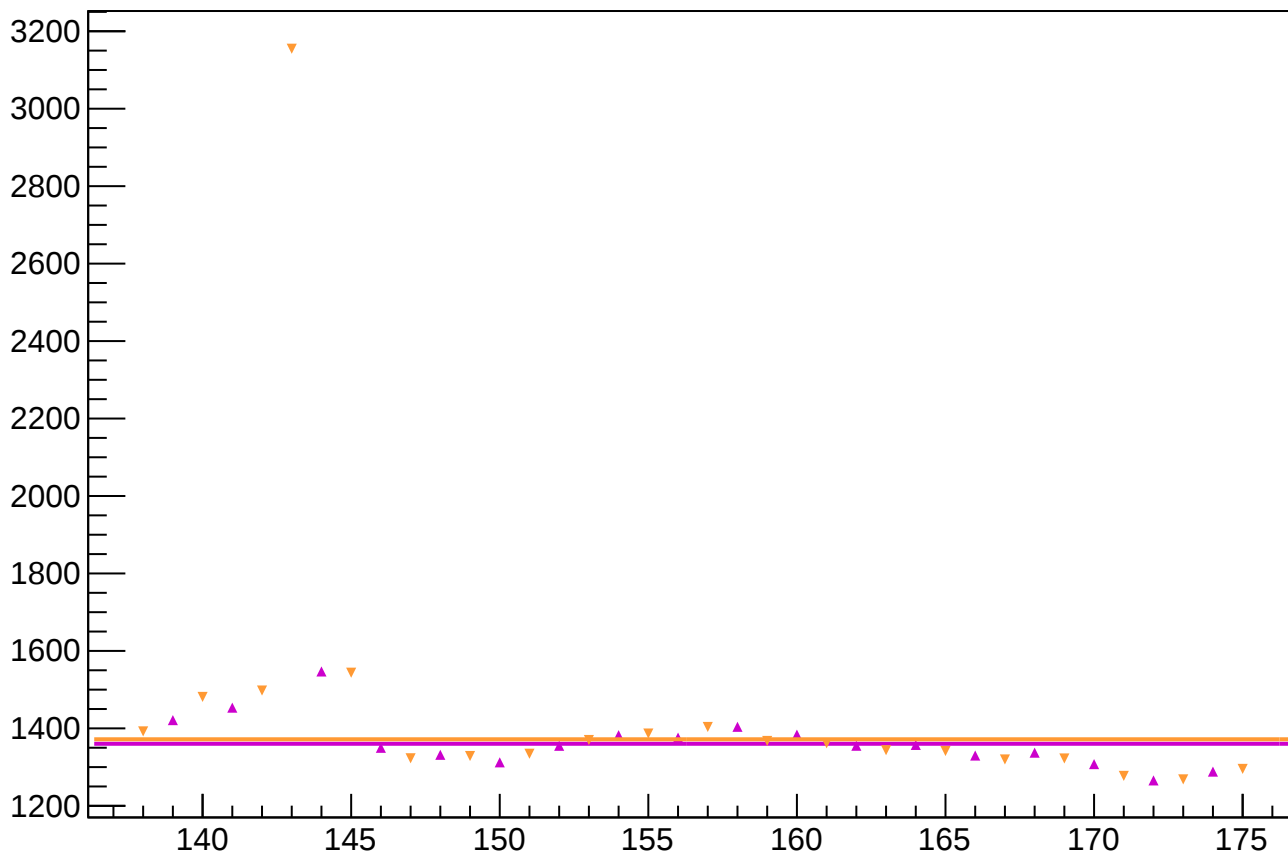
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -463.079+/-362.380 χ^2/NDF :25.3/17

Out: -249.904+/-356.850 χ^2/NDF :24.2/19

All: -354.853+/-254.264 χ^2/NDF : 49.7/37

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: 1371.857+/-0.252 χ^2/NDF :493500.4/19

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

Left In: 1360.240+/-0.256 χ^2/NDF :57949.4/17

Left: 1366.138+/-0.180 χ^2/NDF : 552493.3/37

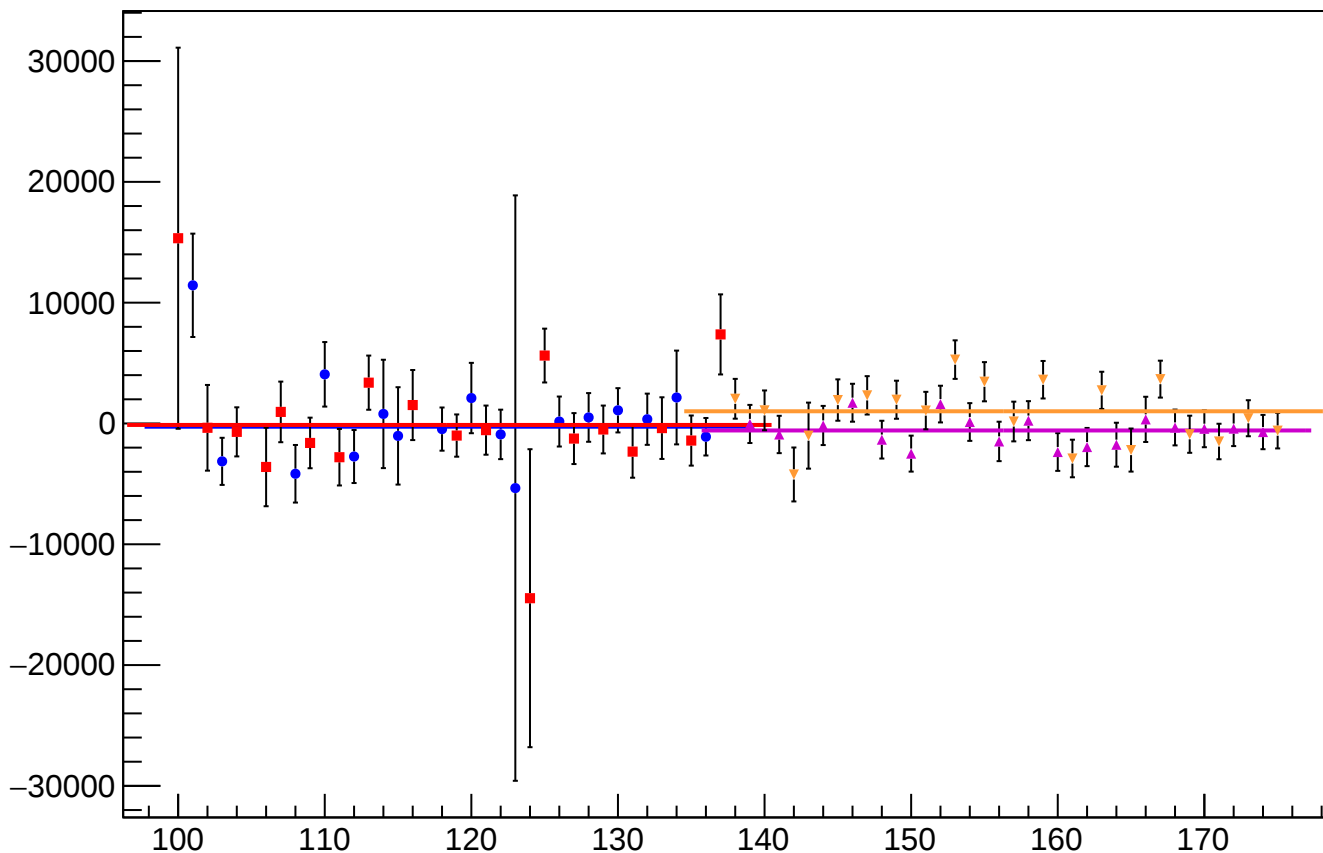
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1360.240+/-0.256 χ^2/NDF :57949.4/17

Out: 1371.857+/-0.252 χ^2/NDF :493500.4/19

All: 1366.138+/-0.180 χ^2/NDF : 552493.3/37

dit_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -266.664 ± 567.455 $\chi^2/\text{NDF}: 18.6/16$

Left Out: 1009.373 ± 363.657 $\chi^2/\text{NDF}: 40.0/19$

Right Out: -122.072 ± 554.216 $\chi^2/\text{NDF}: 22.1/18$

Left In: -579.001 ± 369.495 $\chi^2/\text{NDF}: 9.9/17$

Left: 227.832 ± 259.184 $\chi^2/\text{NDF}: 59.2/37$

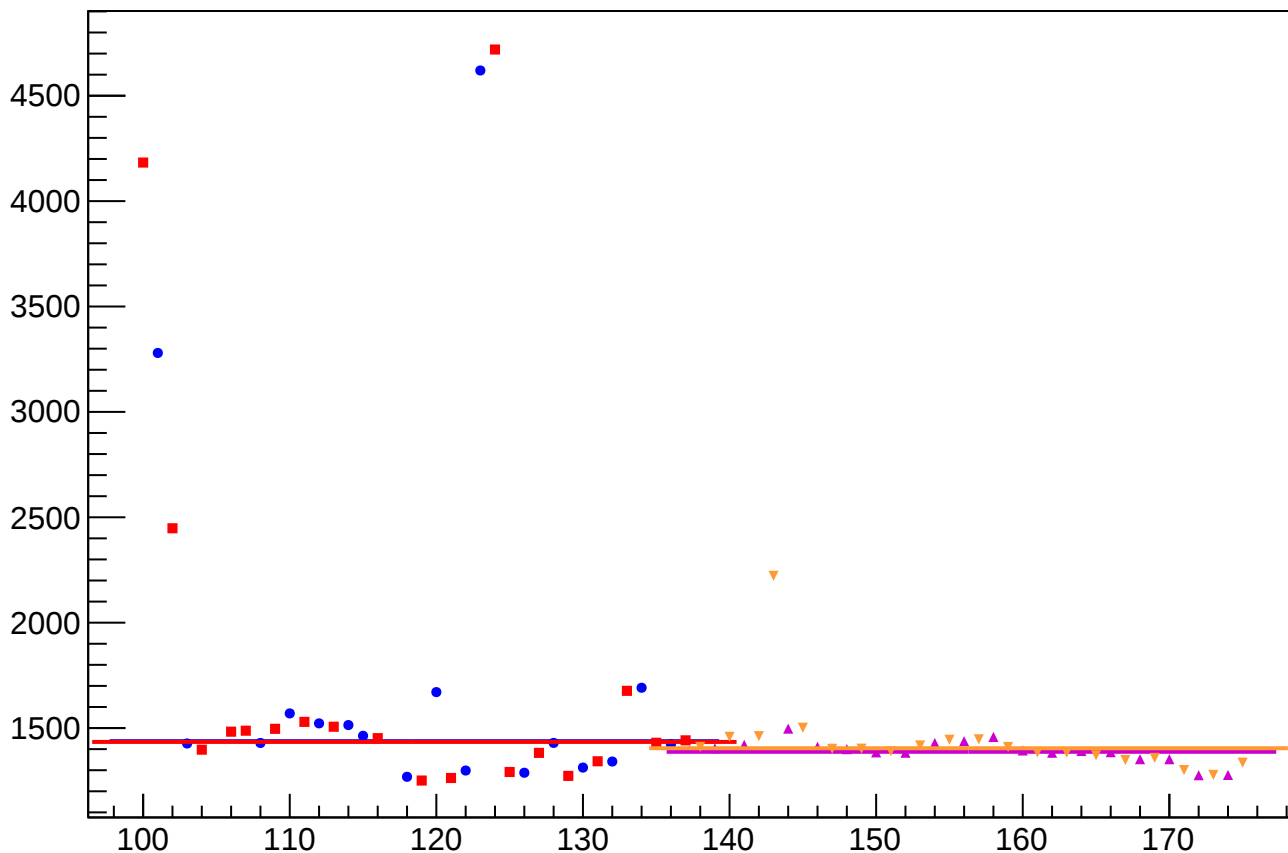
Right: -192.662 ± 396.488 $\chi^2/\text{NDF}: 40.8/35$

In: -486.004 ± 309.638 $\chi^2/\text{NDF}: 28.7/34$

Out: 668.843 ± 304.047 $\chi^2/\text{NDF}: 65.0/38$

All: 101.941 ± 216.943 $\chi^2/\text{NDF}: 100.8/73$

dit_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 1437.576 $\pm$ 0.401 χ^2 /NDF: 486465.9/16

Left Out: 1404.278 $\pm$ 0.257 χ^2 /NDF: 226555.4/19

Right Out: 1434.272 $\pm$ 0.392 χ^2 /NDF: 455611.8/18

Left In: 1387.393 $\pm$ 0.261 χ^2 /NDF: 44110.1/17

Left: 1395.970 $\pm$ 0.183 χ^2 /NDF: 272787.1/37

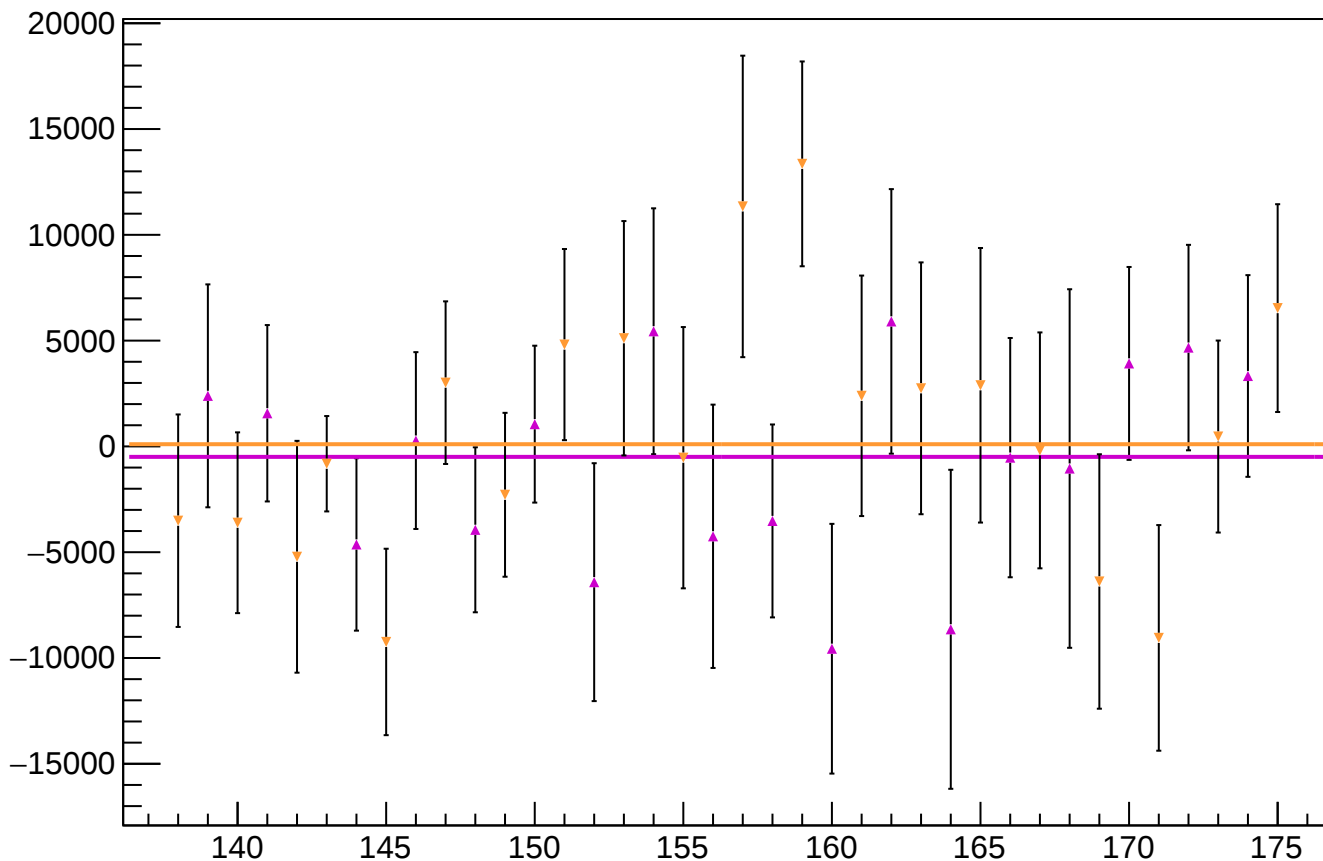
Right: 1435.884 $\pm$ 0.280 χ^2 /NDF: 942112.4/35

In: 1402.335 $\pm$ 0.219 χ^2 /NDF: 541560.6/34

Out: 1413.313 $\pm$ 0.215 χ^2 /NDF: 686265.5/38

All: 1407.925 $\pm$ 0.153 χ^2 /NDF: 1229106.3/73

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: 104.039+/-1026.648 χ^2/NDF :26.1/19

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

Left In: -493.985+/-1165.277 χ^2/NDF :12.8/17

Left: -157.302+/-770.324 χ^2/NDF : 39.1/37

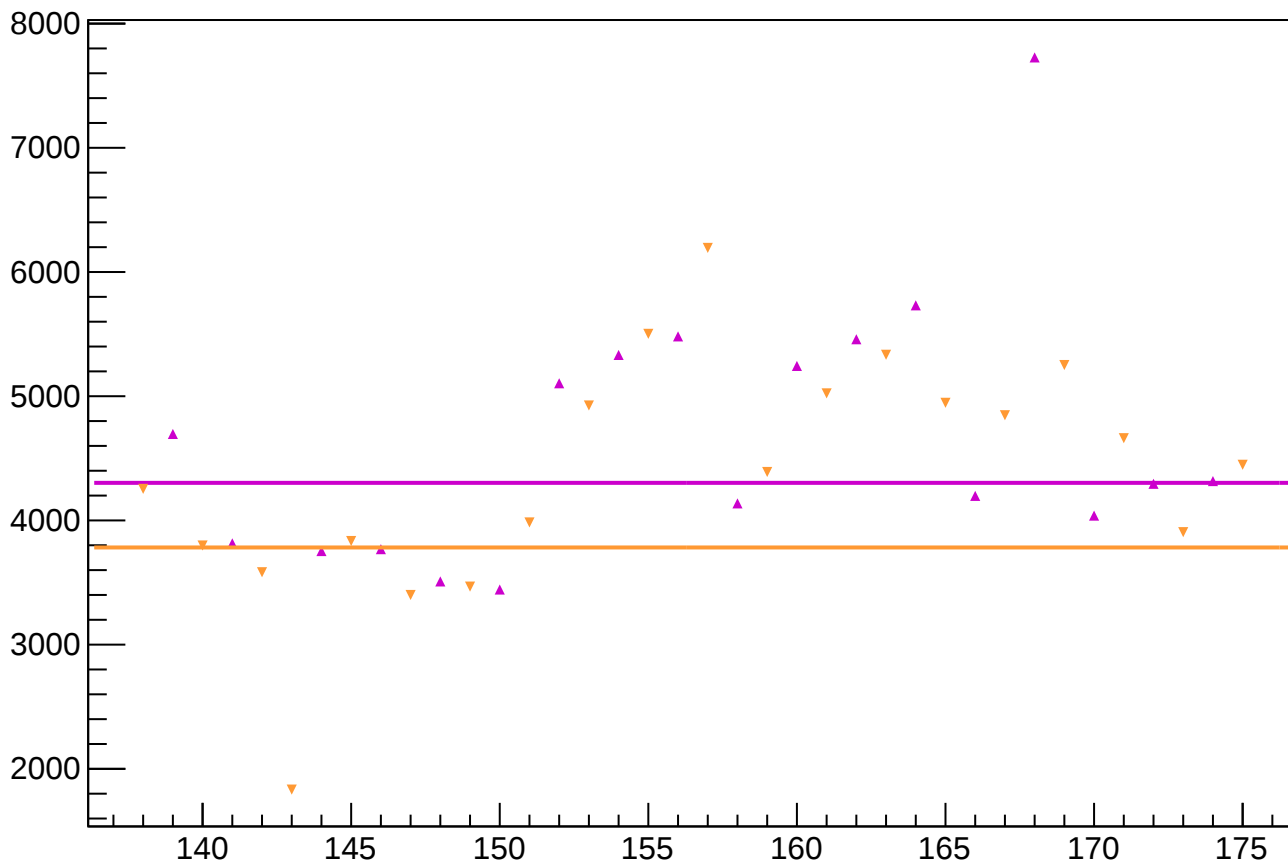
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -493.985+/-1165.277 χ^2/NDF :12.8/17

Out: 104.039+/-1026.648 χ^2/NDF :26.1/19

All: -157.302+/-770.324 χ^2/NDF : 39.1/37

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: 3782.301+/-0.726 χ^2/NDF :2635415.5/19

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

Left In: 4302.551+/-0.824 χ^2/NDF :1000917.0/17

Left: 4009.654+/-0.545 χ^2/NDF : 3860771.9/37

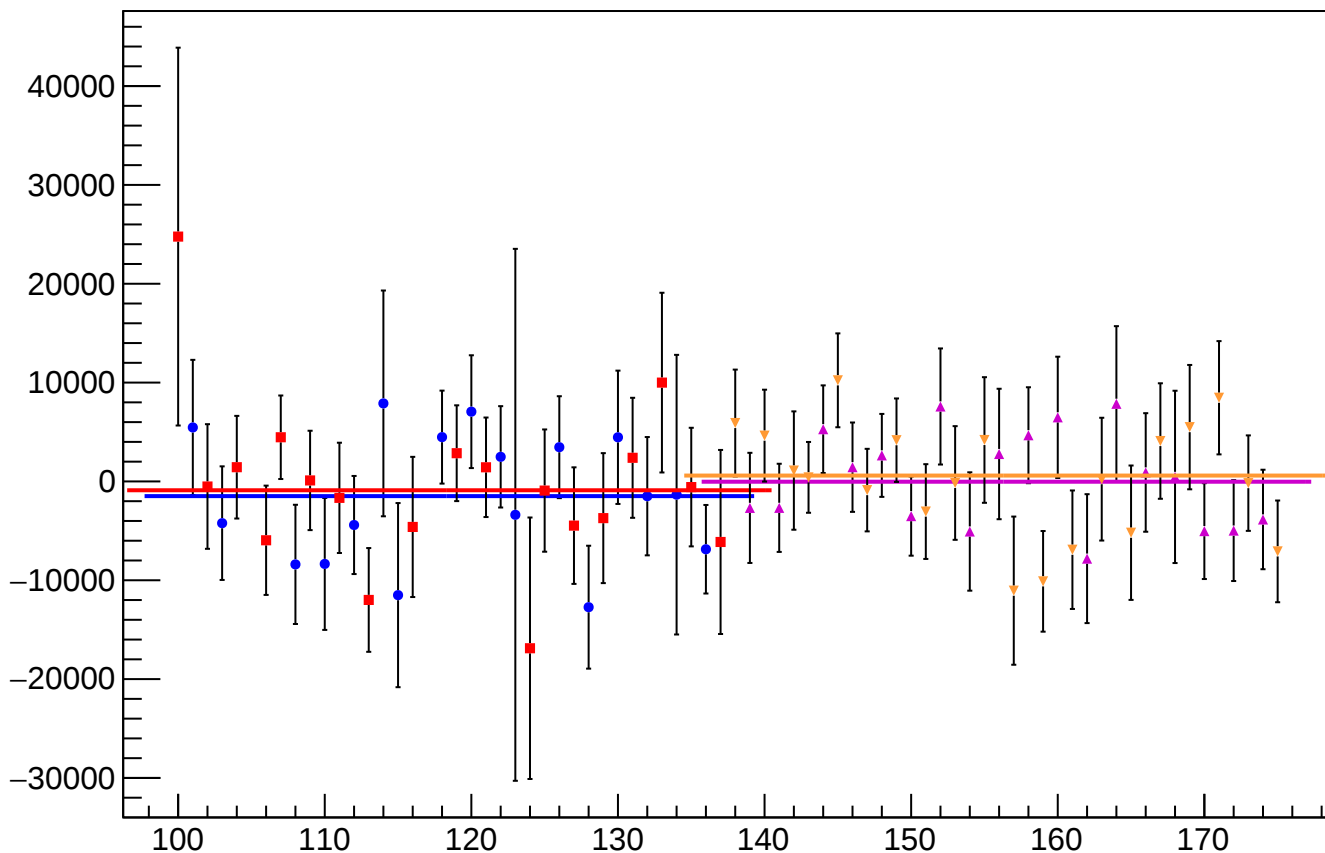
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4302.551+/-0.824 χ^2/NDF :1000917.0/17

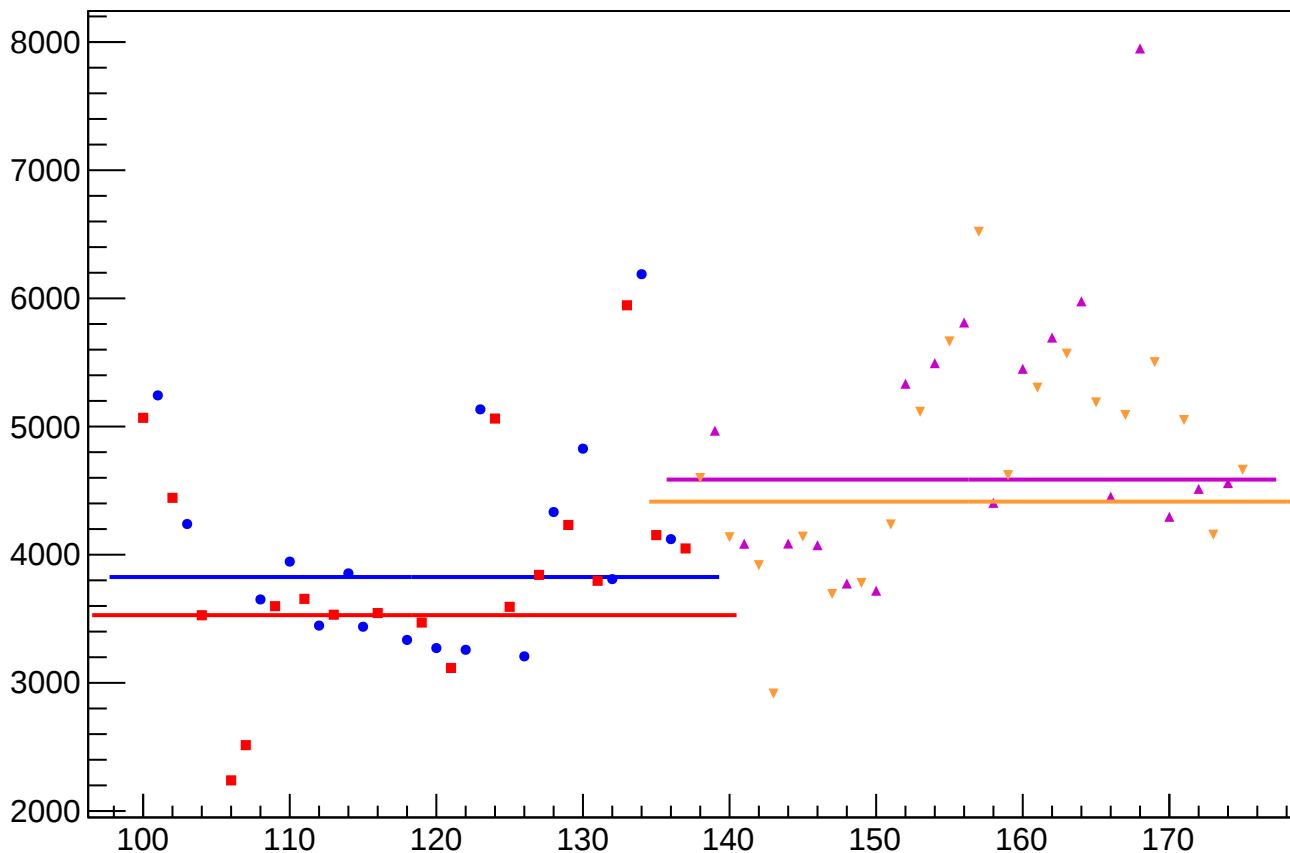
Out: 3782.301+/-0.726 χ^2/NDF :2635415.5/19

All: 4009.654+/-0.545 χ^2/NDF : 3860771.9/37

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



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: 4414.195+/-0.822 χ^2/NDF : 1015827.1/19

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

Left In: 4586.138+/-0.876 χ^2/NDF : 870984.9/17

Left: 4494.697+/-0.599 χ^2/NDF : 1907297.3/37

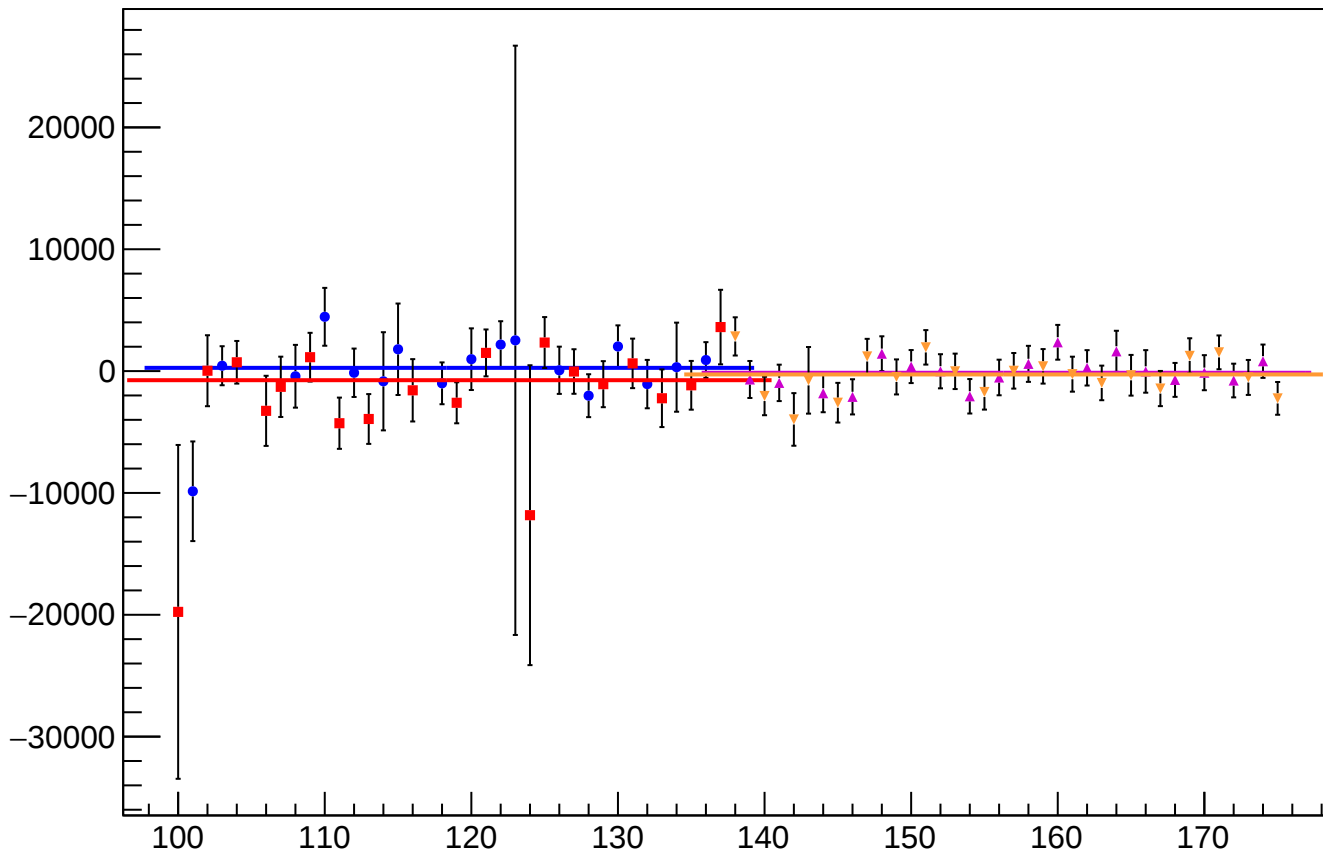
Right: 3663.316+/-0.714 χ^2/NDF : 932858.8/35

In: 4277.574+/-0.675 χ^2/NDF : 1511052.1/34

Out: 4042.204+/-0.626 χ^2/NDF : 2058958.3/38

All: 4151.001+/-0.459 χ^2/NDF : 3635340.2/73

dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 265.987 $\pm$ 523.529 χ^2 /NDF: 14.6/16

Left Out: -274.634 $\pm$ 337.629 χ^2 /NDF:20.9/19

Right Out: -747.421 $\pm$ 511.778 χ^2 /NDF: 18.4/18

Left In: -137.873 $\pm$ 344.105 χ^2 /NDF:12.1/17

Left: -207.552 $\pm$ 240.997 χ^2 /NDF: 33.1/37

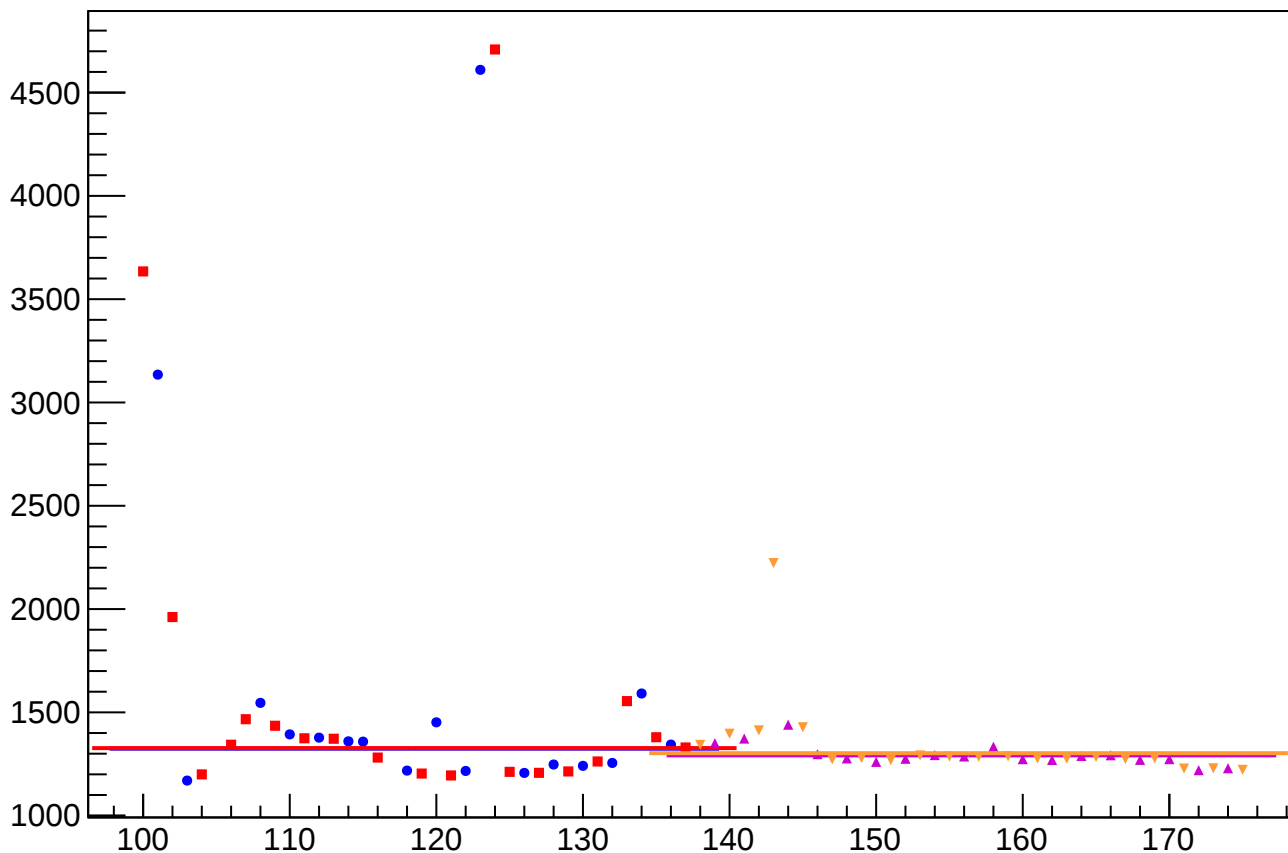
Right: -252.218 $\pm$ 365.966 χ^2 /NDF: 35.0/35

In: -16.035 $\pm$ 287.552 χ^2 /NDF:27.1/34

Out: -418.005 $\pm$ 281.825 χ^2 /NDF:39.9/38

All: -221.063 $\pm$ 201.275 χ^2 /NDF: 68.1/73

dit_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1324.281+/-0.370 χ^2/NDF : 514089.5/16

Left Out: 1302.383+/-0.239 χ^2/NDF : 276696.3/19

Right Out: 1326.975+/-0.362 χ^2/NDF : 392077.2/18

Left In: 1291.801+/-0.243 χ^2/NDF : 41394.3/17

Left: 1297.193+/-0.170 χ^2/NDF : 319054.4/37

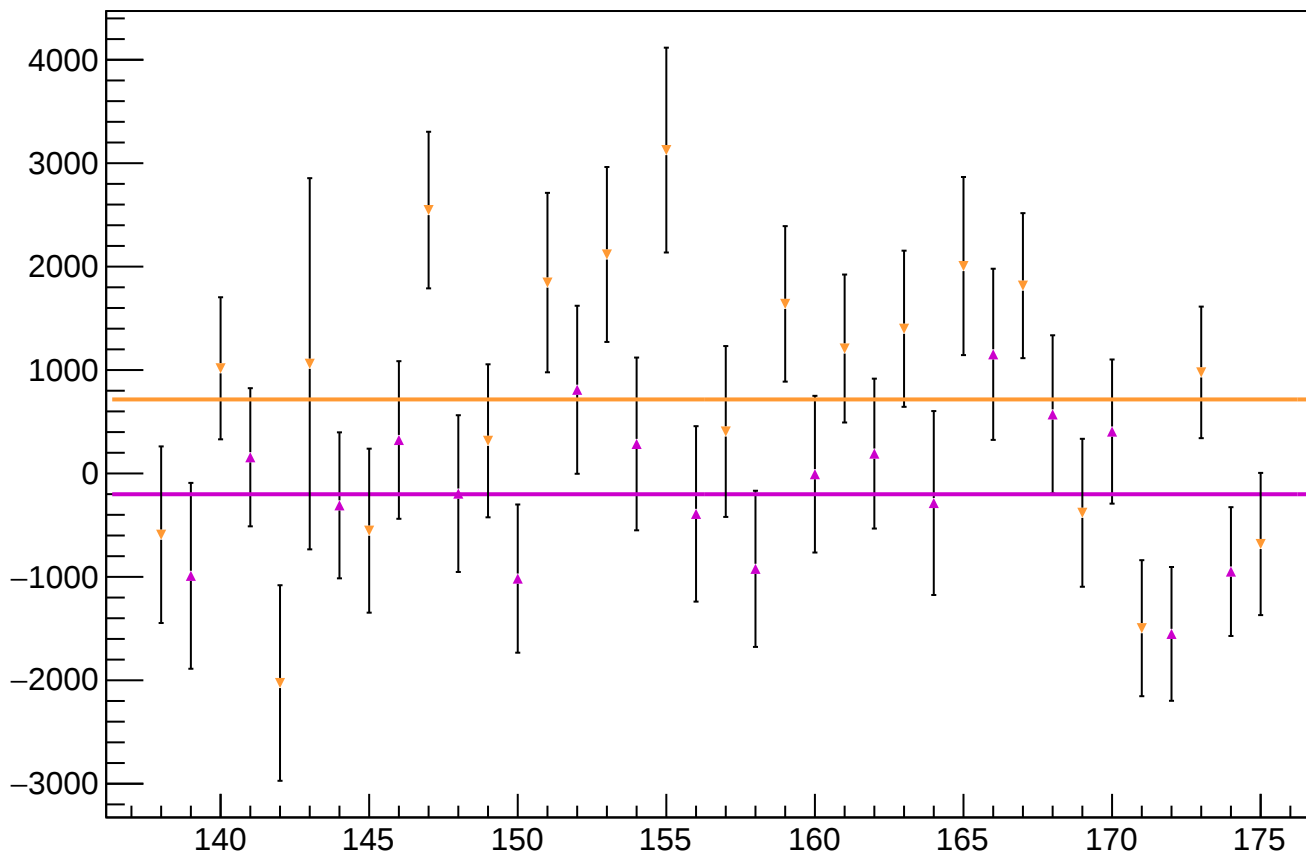
Right: 1325.659+/-0.259 χ^2/NDF : 906193.7/35

In: 1301.600+/-0.203 χ^2/NDF : 560859.6/34

Out: 1309.841+/-0.199 χ^2/NDF : 671991.0/38

All: 1305.803+/-0.142 χ^2/NDF : 1233688.5/73

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: 715.754+/-174.053 χ^2/NDF :55.7/19

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

Left In: -200.966+/-176.507 χ^2/NDF :16.3/17

Left: 263.811+/-123.932 χ^2/NDF : 85.7/37

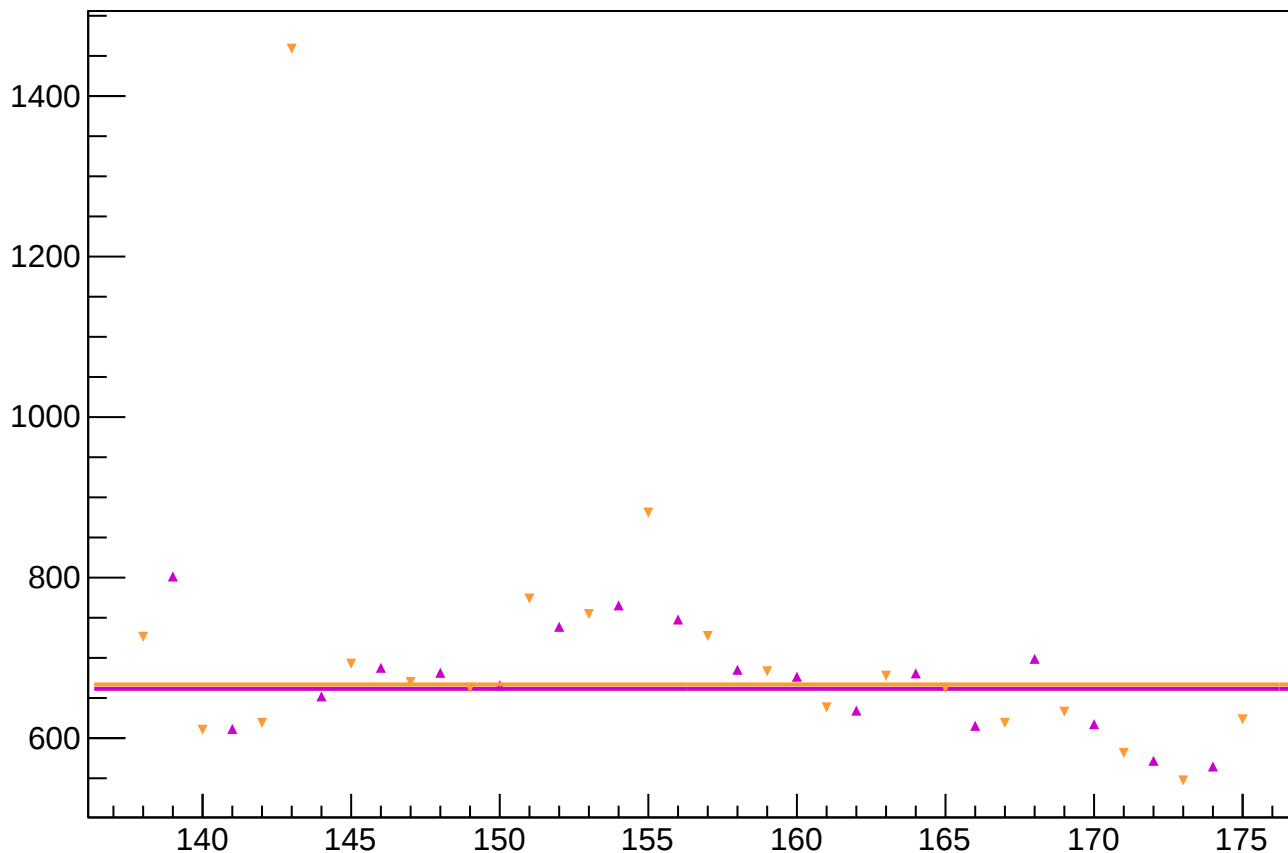
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -200.966+/-176.507 χ^2/NDF :16.3/17

Out: 715.754+/-174.053 χ^2/NDF :55.7/19

All: 263.811+/-123.932 χ^2/NDF : 85.7/37

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: 666.942+/-0.123 χ^2/NDF : 707084.0/19

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

Left In: 661.469+/-0.125 χ^2/NDF : 245900.9/17

Left: 664.244+/-0.088 χ^2/NDF : 953959.6/37

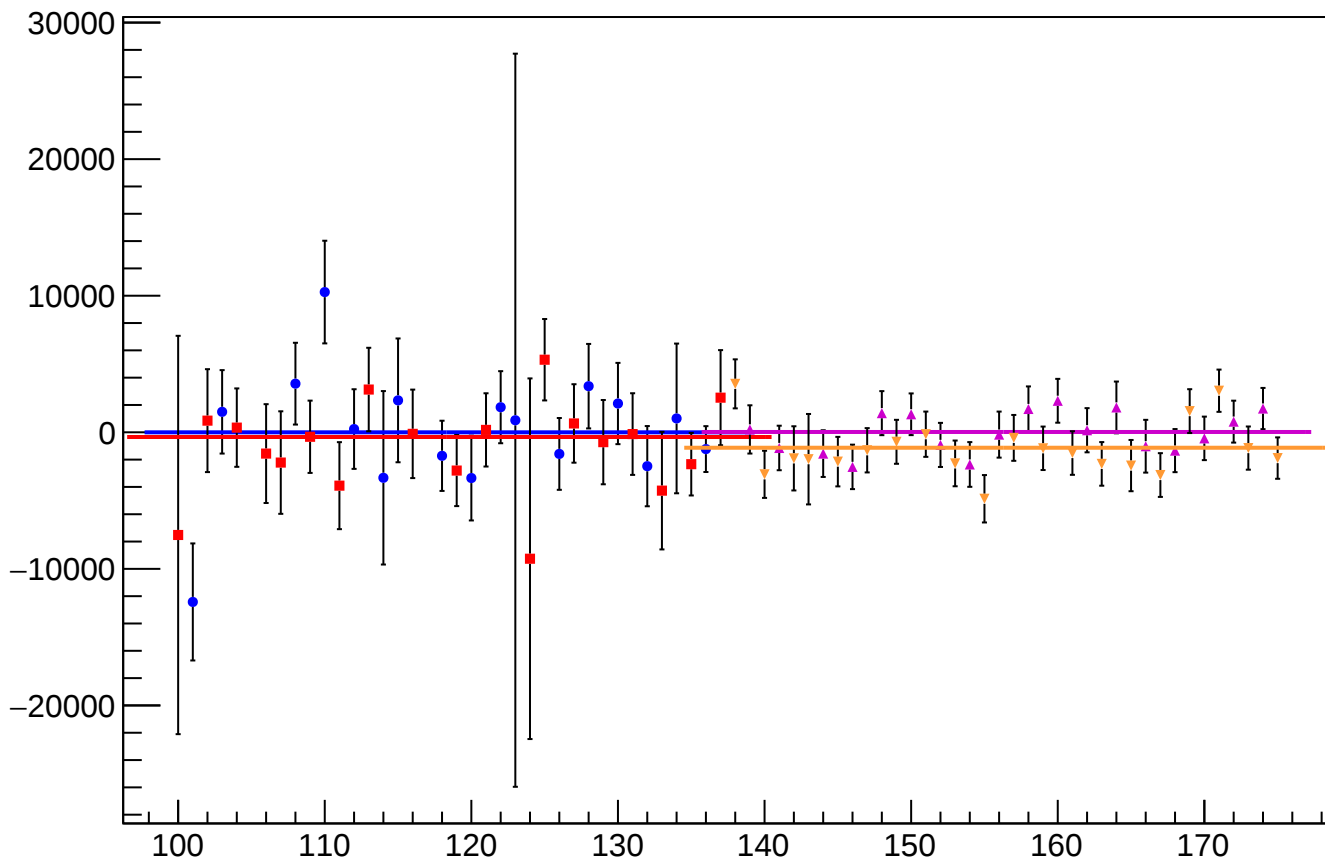
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 661.469+/-0.125 χ^2/NDF : 245900.9/17

Out: 666.942+/-0.123 χ^2/NDF : 707084.0/19

All: 664.244+/-0.088 χ^2/NDF : 953959.6/37

asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



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

Left Out: -1131.327 ± 380.945 χ^2/NDF : 27.3/19

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

Left In: 22.727 ± 386.869 χ^2/NDF : 14.4/17

Left: -563.204 ± 271.439 χ^2/NDF : 46.2/37

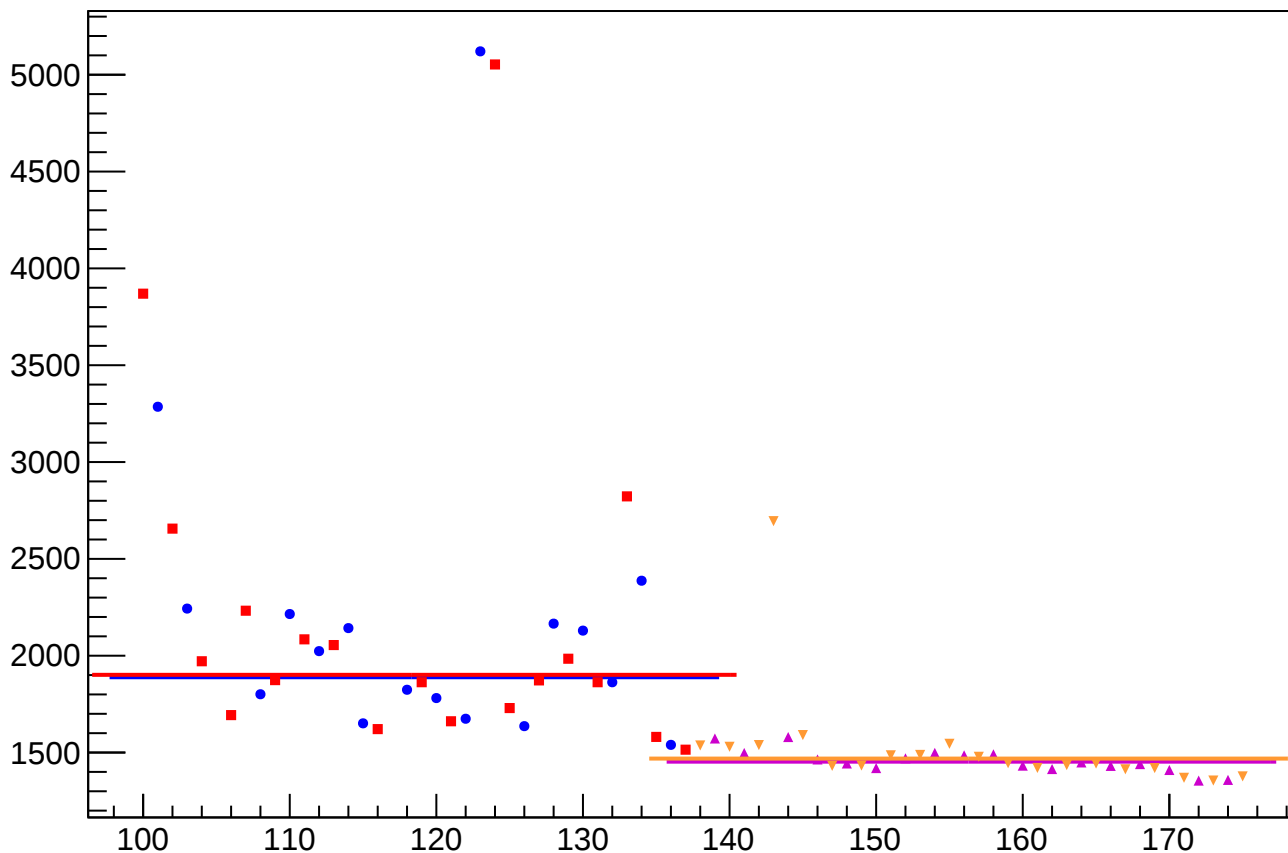
Right: -176.305 ± 522.783 χ^2/NDF : 34.3/35

In: 17.432 ± 343.343 χ^2/NDF : 37.9/34

Out: -964.399 ± 338.092 χ^2/NDF : 38.9/38

All: -481.048 ± 240.902 χ^2/NDF : 80.9/73

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1888.810 $\pm$ 0.527 χ^2/NDF : 465842.8/16

Left Out: 1468.778 $\pm$ 0.269 χ^2/NDF : 330367.4/19

Right Out: 1901.248 $\pm$ 0.519 χ^2/NDF : 461424.3/18

Left In: 1452.902 $\pm$ 0.274 χ^2/NDF : 45622.9/17

Left: 1460.963 $\pm$ 0.192 χ^2/NDF : 377700.3/37

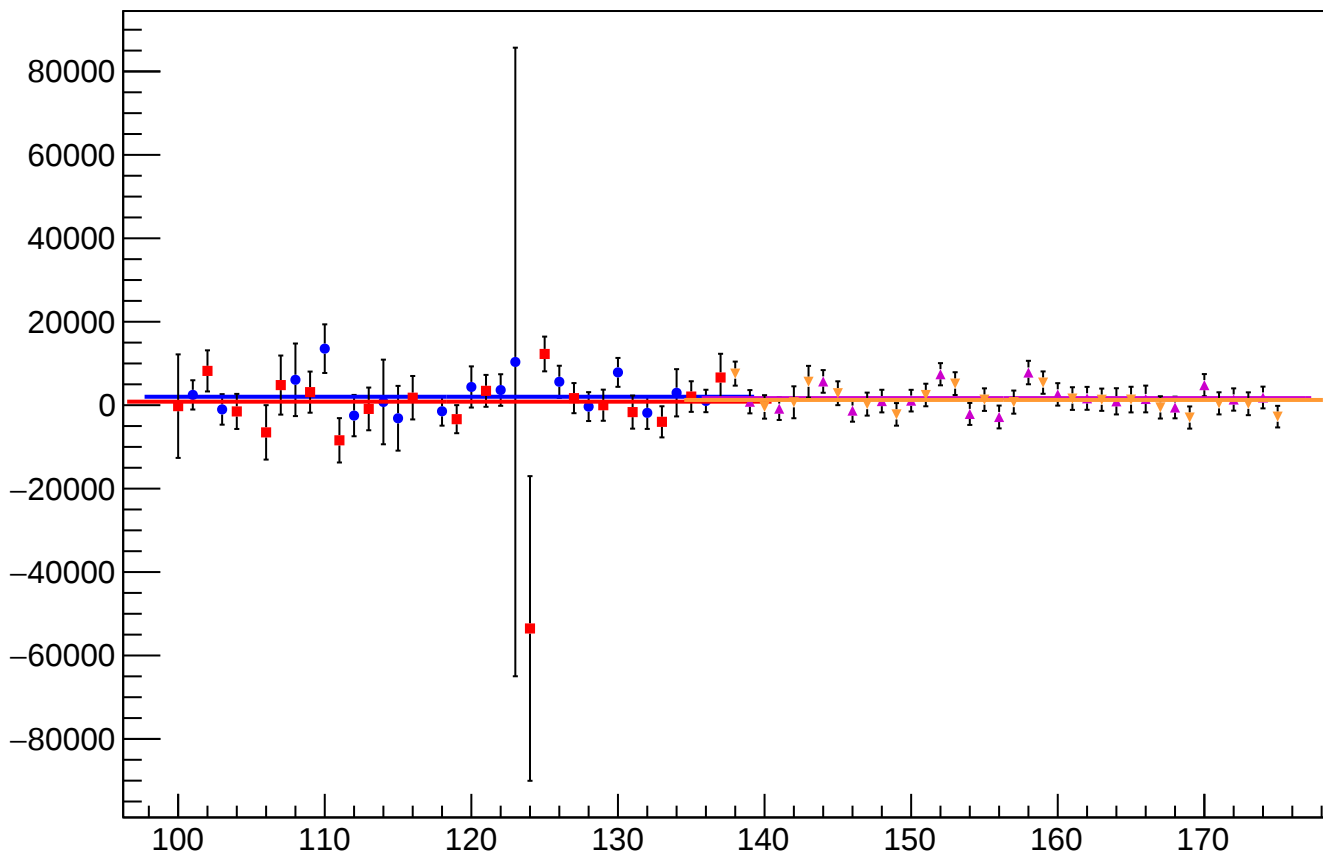
Right: 1895.125 $\pm$ 0.370 χ^2/NDF : 927550.0/35

In: 1545.472 $\pm$ 0.243 χ^2/NDF : 1050688.8/34

Out: 1560.605 $\pm$ 0.239 χ^2/NDF : 1339101.8/38

All: 1553.156 $\pm$ 0.170 χ^2/NDF : 2391763.3/73

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 2021.418+/-1035.639 χ^2/NDF : 12.9/16

Left Out: 1253.132+/-627.458 χ^2/NDF : 18.8/19

Right Out: 842.423+/-1051.980 χ^2/NDF : 22.7/18

Left In: 1697.772+/-642.894 χ^2/NDF : 21.0/17

Left: 1470.050+/-449.038 χ^2/NDF : 40.1/37

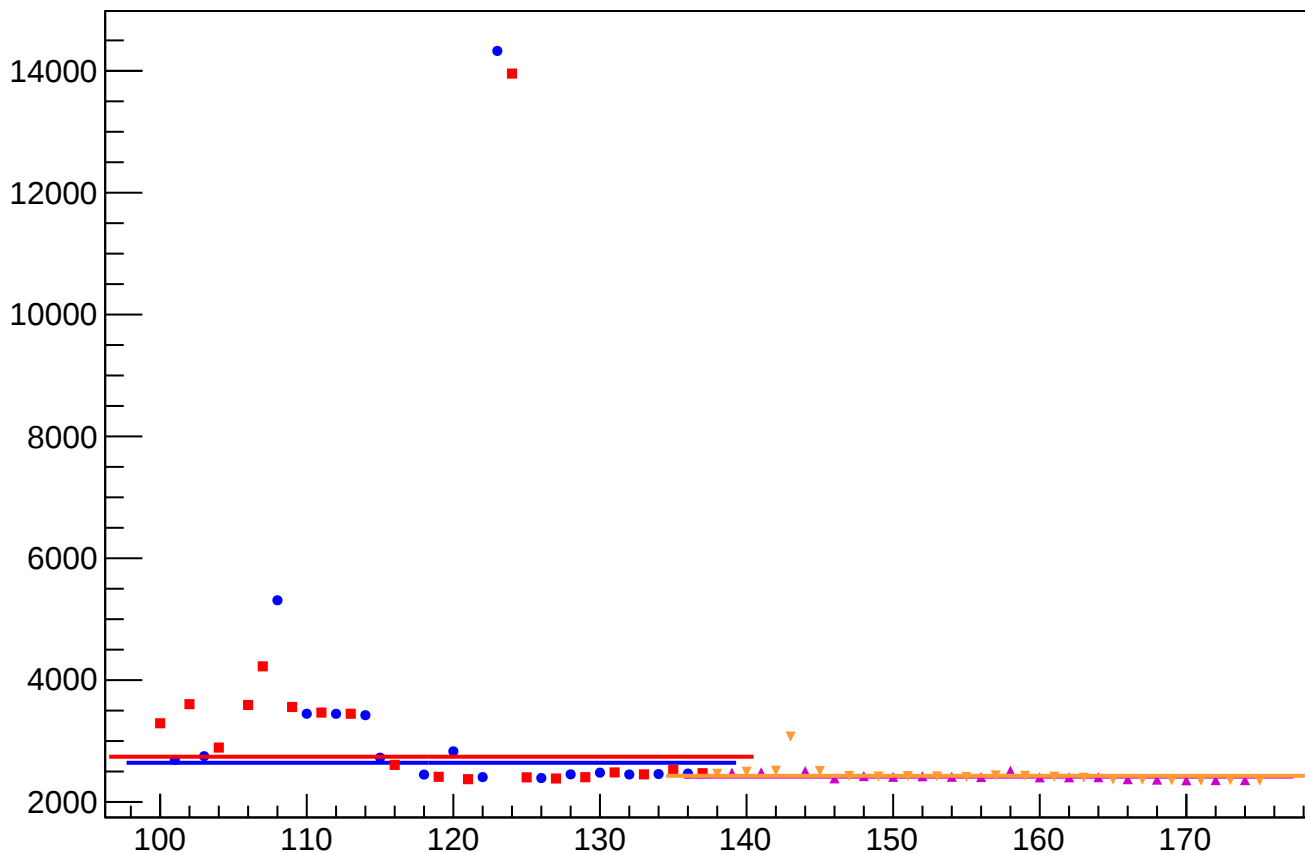
Right: 1441.149+/-738.017 χ^2/NDF : 36.2/35

In: 1787.798+/-546.209 χ^2/NDF : 34.0/34

Out: 1145.360+/-538.882 χ^2/NDF : 41.6/38

All: 1462.242+/-383.611 χ^2/NDF : 76.3/73

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2643.525+/-0.732 χ^2/NDF : 392705.3/16

Left Out: 2429.640+/-0.444 χ^2/NDF : 69858.2/19

Right Out: 2742.543+/-0.744 χ^2/NDF : 628009.1/18

Left In: 2415.734+/-0.455 χ^2/NDF : 11596.8/17

Left: 2422.856+/-0.318 χ^2/NDF : 81934.2/37

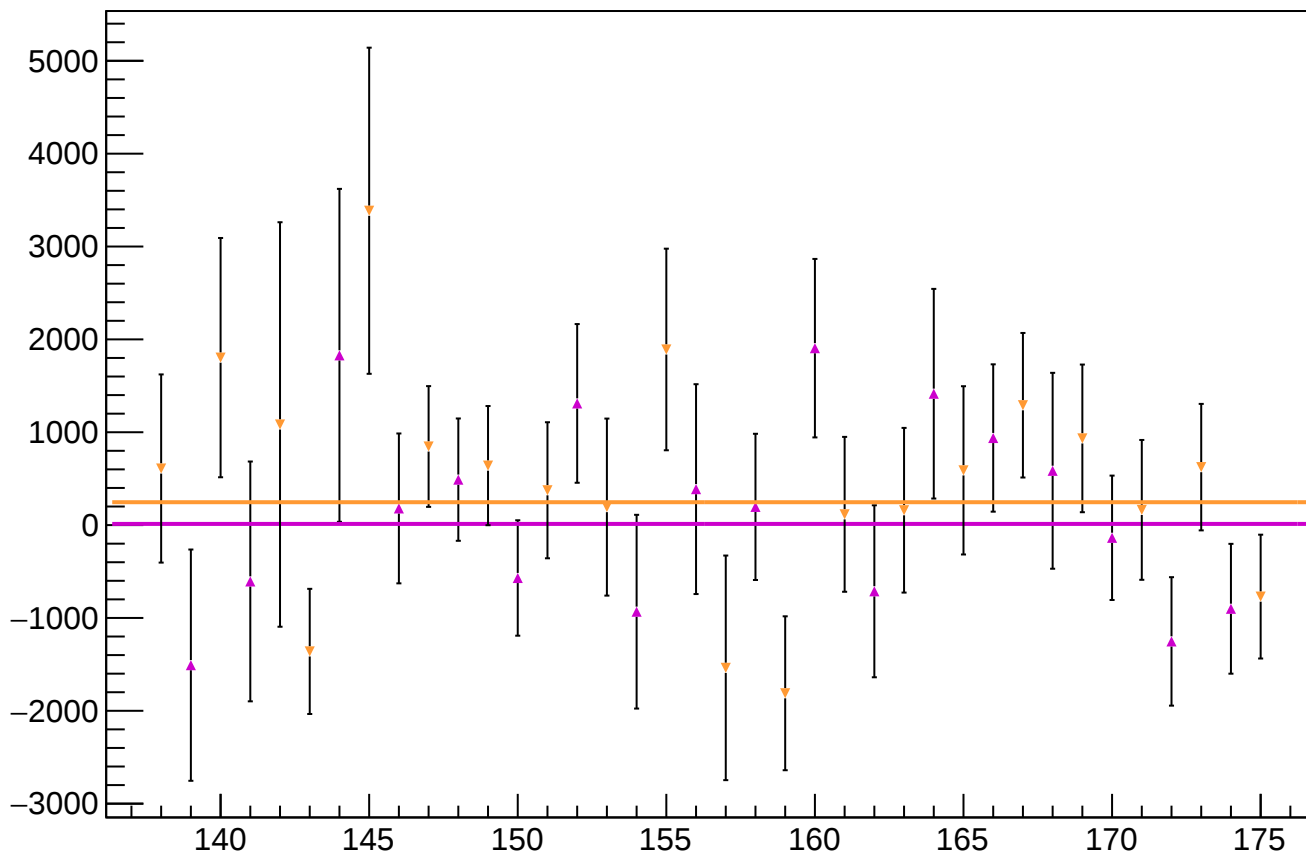
Right: 2692.259+/-0.522 χ^2/NDF : 1029712.7/35

In: 2479.098+/-0.386 χ^2/NDF : 474145.5/34

Out: 2511.747+/-0.381 χ^2/NDF : 828380.0/38

All: 2495.643+/-0.271 χ^2/NDF : 1306146.8/73

asym_atl1_correction_mean vs Slug, Sign Corrected



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

Left Out: 246.410+/-187.691 χ^2/NDF :27.9/19

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

Left In: 12.631+/-201.803 χ^2/NDF :20.3/17

Left: 137.980+/-137.436 χ^2/NDF : 48.9/37

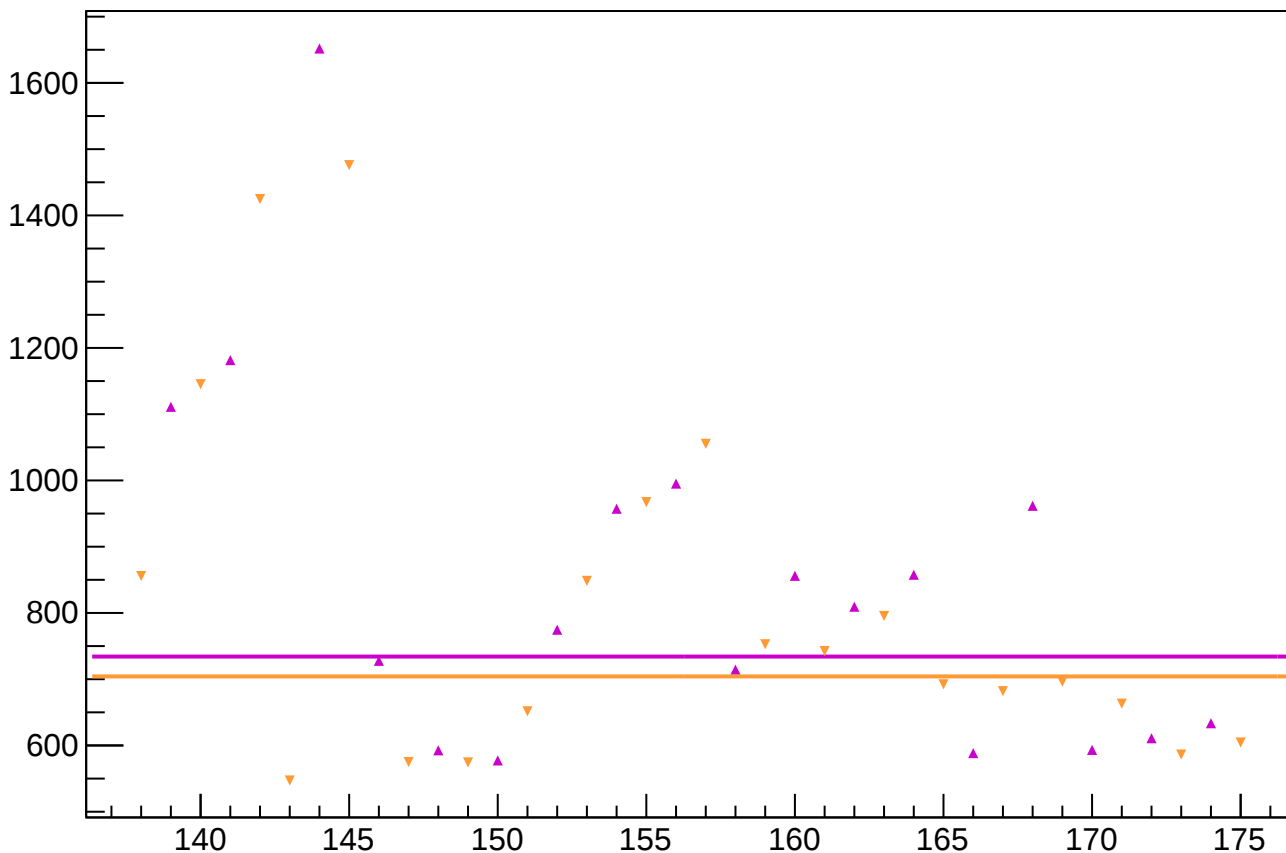
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 12.631+/-201.803 χ^2/NDF :20.3/17

Out: 246.410+/-187.691 χ^2/NDF :27.9/19

All: 137.980+/-137.436 χ^2/NDF : 48.9/37

asym_atl1_correction_rms vs Slug, Sign Corrected



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

Left Out: 704.189+/-0.133 χ^2/NDF :1640694.4/19

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

Left In: 734.188+/-0.143 χ^2/NDF :1794380.9/17

Left: 718.103+/-0.097 χ^2/NDF : 3458773.1/37

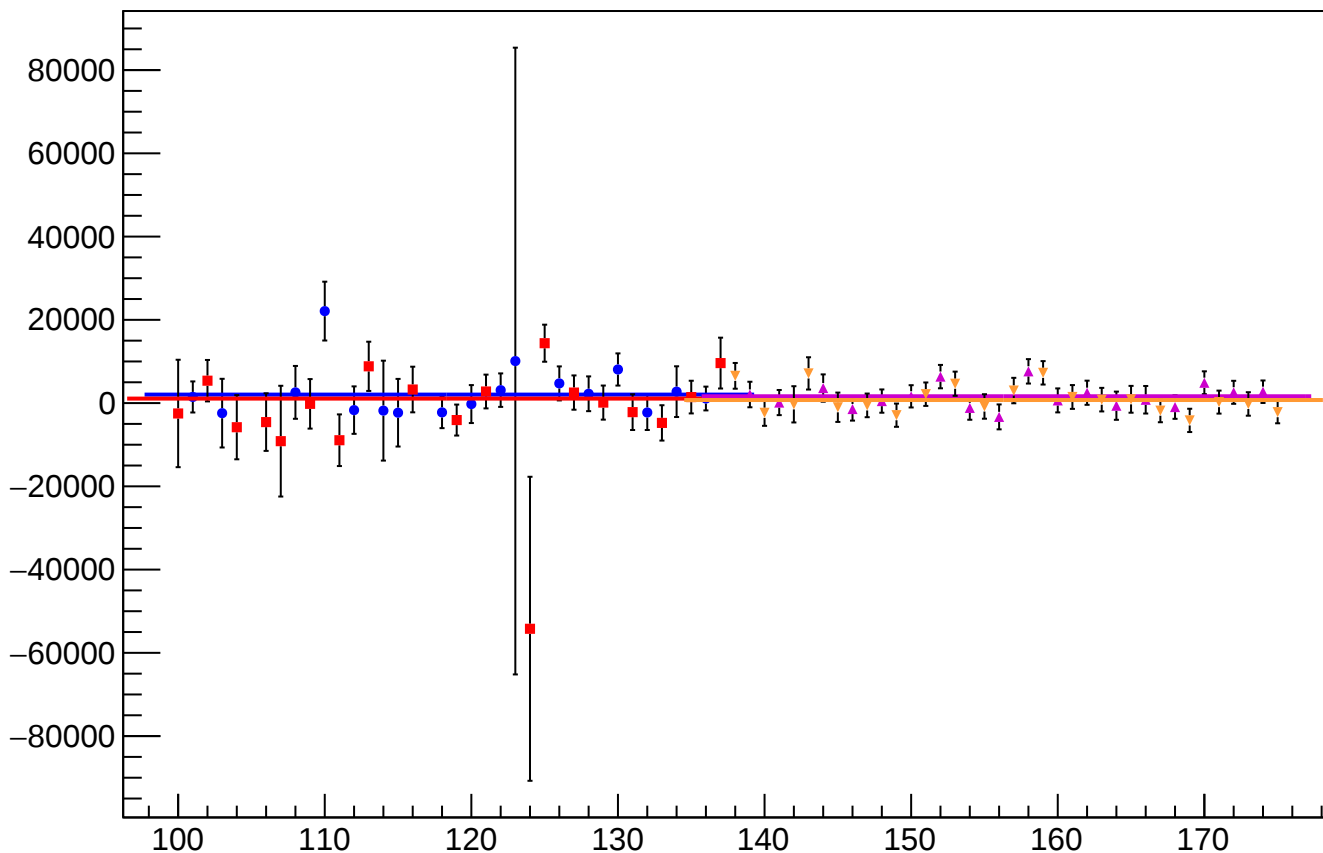
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 734.188+/-0.143 χ^2/NDF :1794380.9/17

Out: 704.189+/-0.133 χ^2/NDF :1640694.4/19

All: 718.103+/-0.097 χ^2/NDF : 3458773.1/37

asym_atl1_mean vs Slug, Sign Corrected



Right In: 2037.803+/-1151.419 χ^2/NDF : 14.8/16

Left Out: 737.344+/-666.922 χ^2/NDF : 23.0/19

Right Out: 1080.125+/-1186.666 χ^2/NDF : 25.3/18

Left In: 1639.892+/-685.555 χ^2/NDF : 16.0/17

Left: 1176.185+/-478.037 χ^2/NDF : 39.8/37

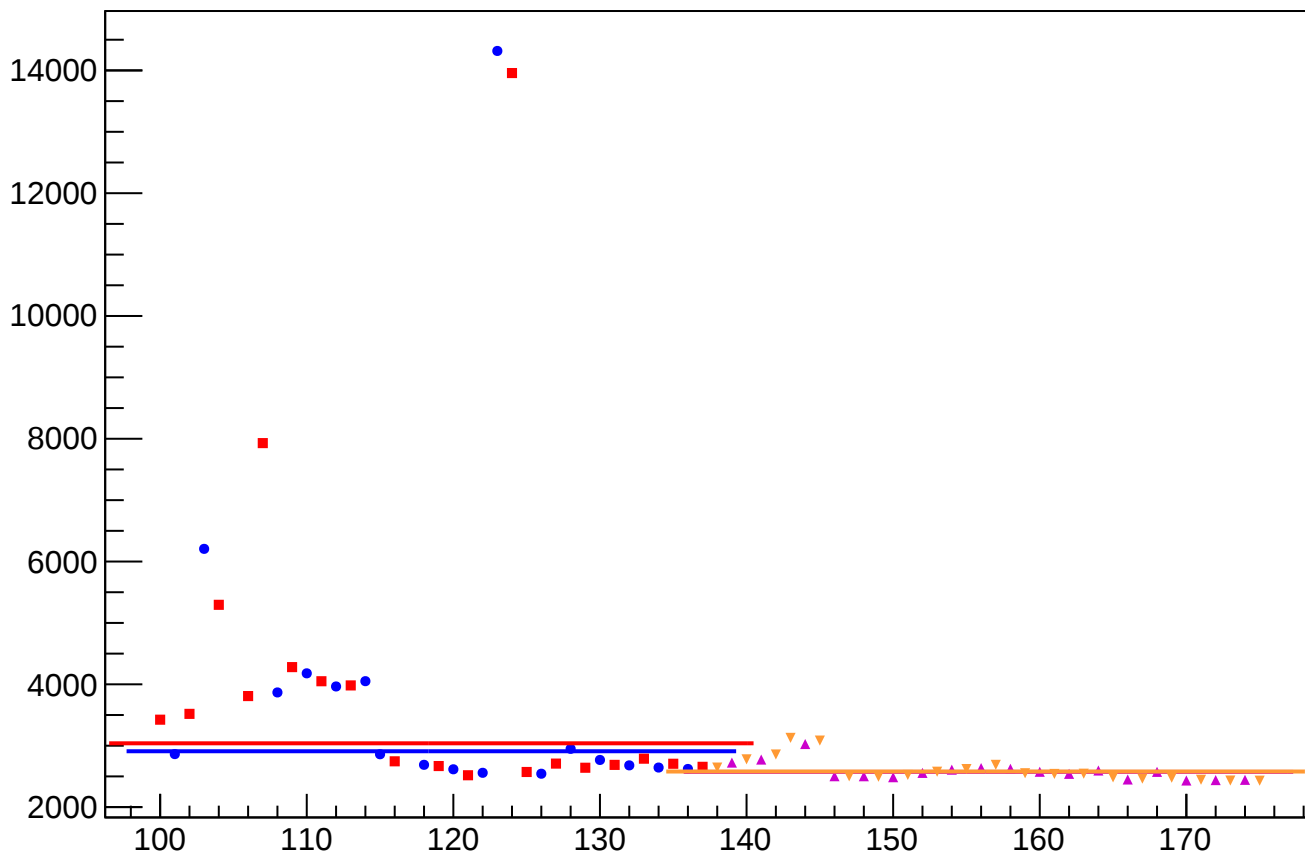
Right: 1573.398+/-826.356 χ^2/NDF : 40.5/35

In: 1744.033+/-589.051 χ^2/NDF : 30.9/34

Out: 819.625+/-581.393 χ^2/NDF : 48.4/38

All: 1275.782+/-413.788 χ^2/NDF : 80.5/73

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2909.732+/-0.814 χ^2/NDF : 641894.7/16

Left Out: 2579.497+/-0.472 χ^2/NDF :130053.2/19

Right Out: 3039.118+/-0.839 χ^2/NDF : 1011306.5/18

Left In: 2572.877+/-0.485 χ^2/NDF :76211.1/17

Left: 2576.278+/-0.338 χ^2/NDF : 206360.1/37

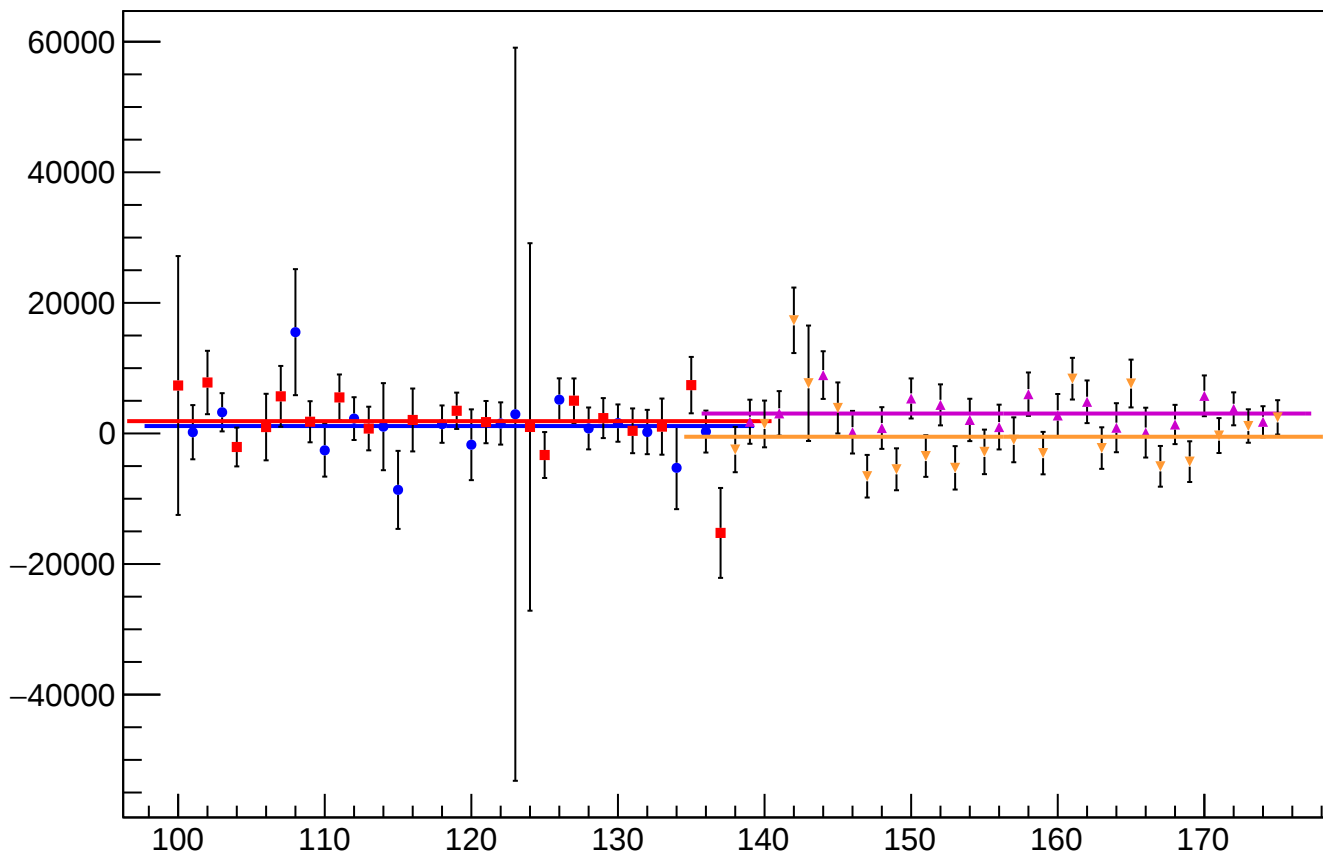
Right: 2972.475+/-0.584 χ^2/NDF : 1665447.8/35

In: 2661.039+/-0.417 χ^2/NDF :844483.7/34

Out: 2689.824+/-0.411 χ^2/NDF :1369374.5/38

All: 2675.620+/-0.293 χ^2/NDF : 2216277.5/73

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1131.802 $\pm$ 926.744 χ^2 /NDF: 9.5/16

Left Out: -505.154 $\pm$ 737.738 χ^2 /NDF: 43.5/19

Right Out: 1884.987 $\pm$ 887.115 χ^2 /NDF: 16.6/18

Left In: 3048.618 $\pm$ 747.065 χ^2 /NDF: 8.6/17

Left: 1249.409 $\pm$ 524.926 χ^2 /NDF: 63.6/37

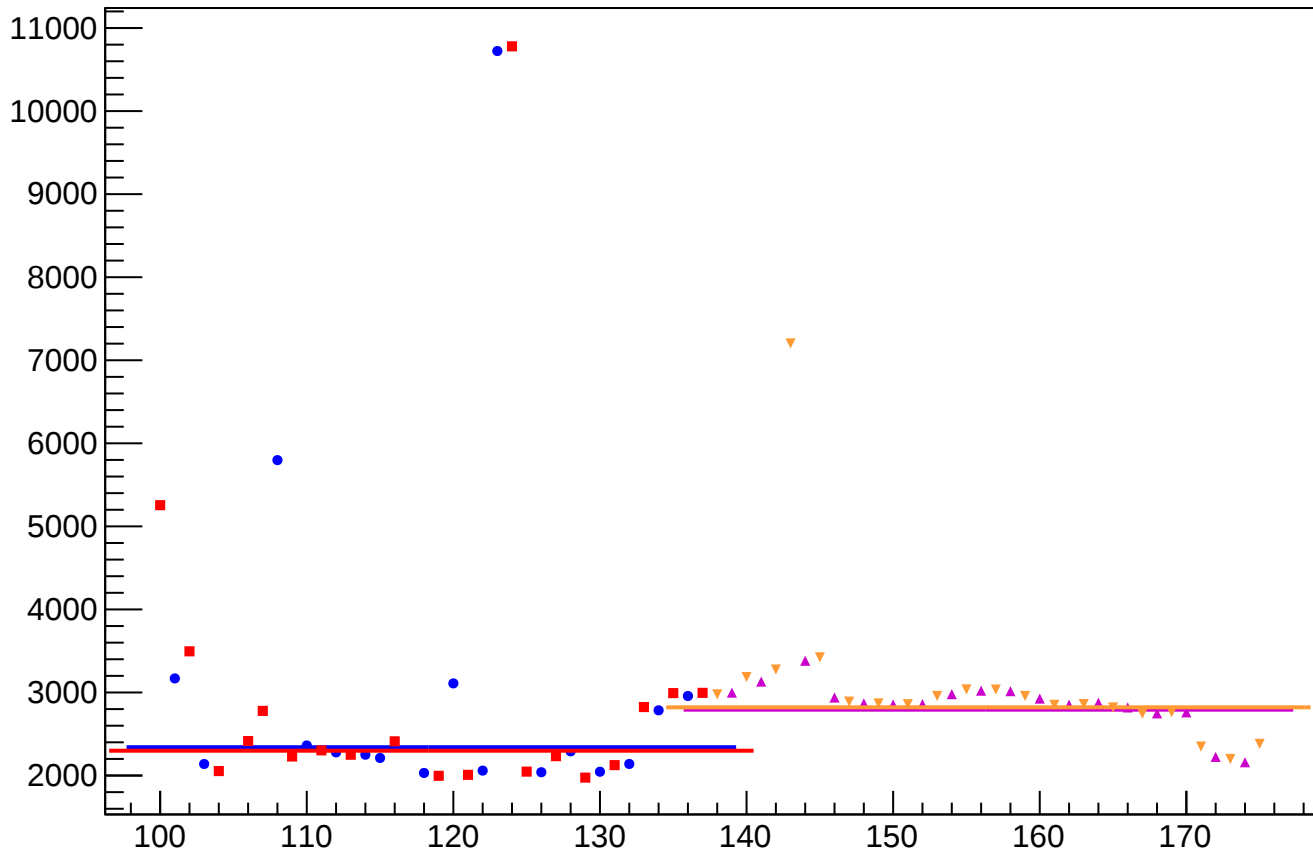
Right: 1524.842 $\pm$ 640.837 χ^2 /NDF: 26.4/35

In: 2293.631 $\pm$ 581.620 χ^2 /NDF: 20.7/34

Out: 472.026 $\pm$ 567.225 χ^2 /NDF: 64.4/38

All: 1360.008 $\pm$ 406.082 χ^2 /NDF: 90.2/73

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2340.877+/-0.655 χ^2/NDF : 600471.2/16

Left Out: 2821.403+/-0.522 χ^2/NDF : 842748.5/19

Right Out: 2298.949+/-0.627 χ^2/NDF : 566102.7/18

Left In: 2792.907+/-0.528 χ^2/NDF : 359498.9/17

Left: 2807.334+/-0.371 χ^2/NDF : 1203720.7/37

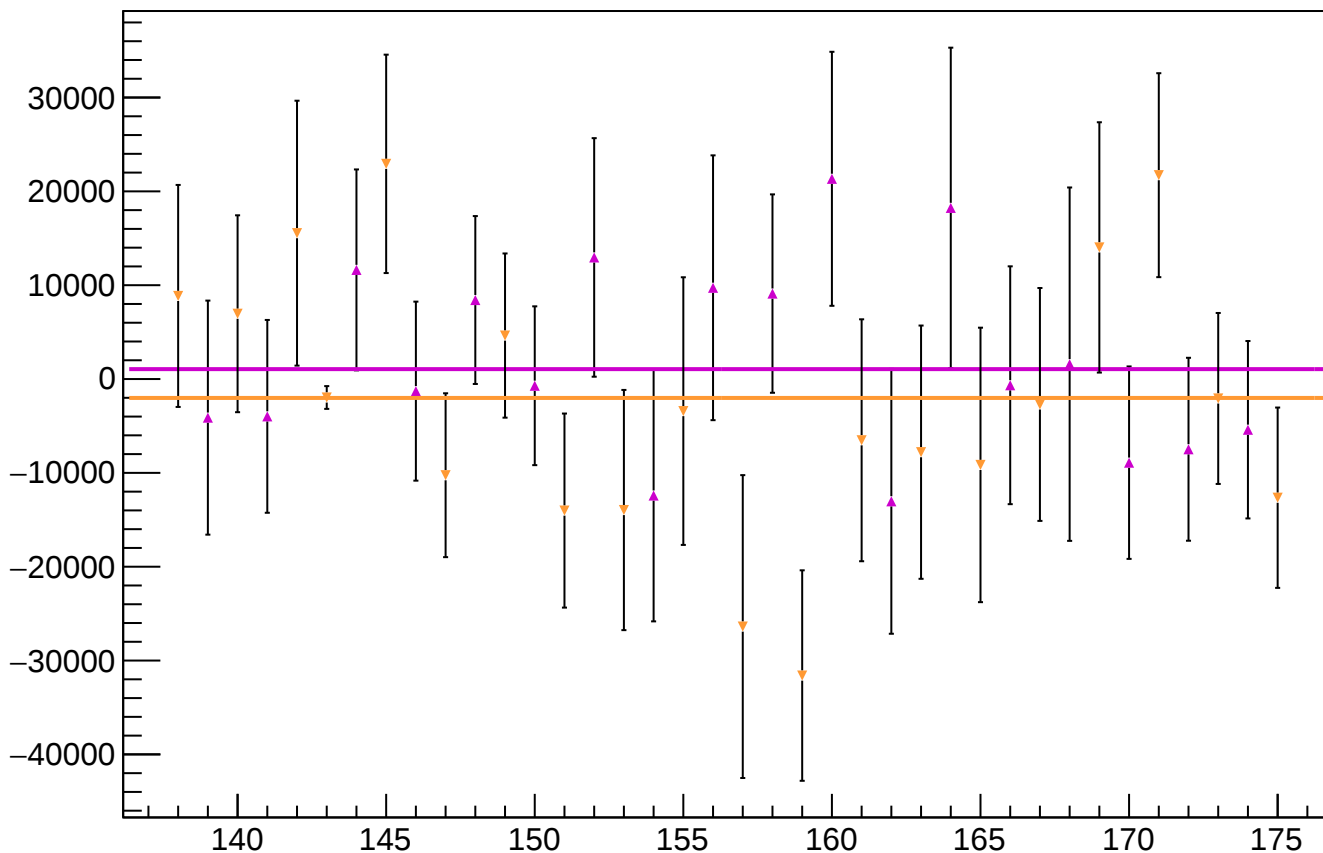
Right: 2318.982+/-0.453 χ^2/NDF : 1168711.7/35

In: 2614.863+/-0.411 χ^2/NDF : 1248377.7/34

Out: 2607.615+/-0.401 χ^2/NDF : 1819297.1/38

All: 2611.147+/-0.287 χ^2/NDF : 3067834.0/73

asym_atl2_correction_mean vs Slug, Sign Corrected



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

Left Out: -2014.341+/-1100.844 χ^2/NDF :28.6/19

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

Left In: 1056.380+/-2653.920 χ^2/NDF :11.5/17

Left: -1563.558+/-1016.837 χ^2/NDF : 41.3/37

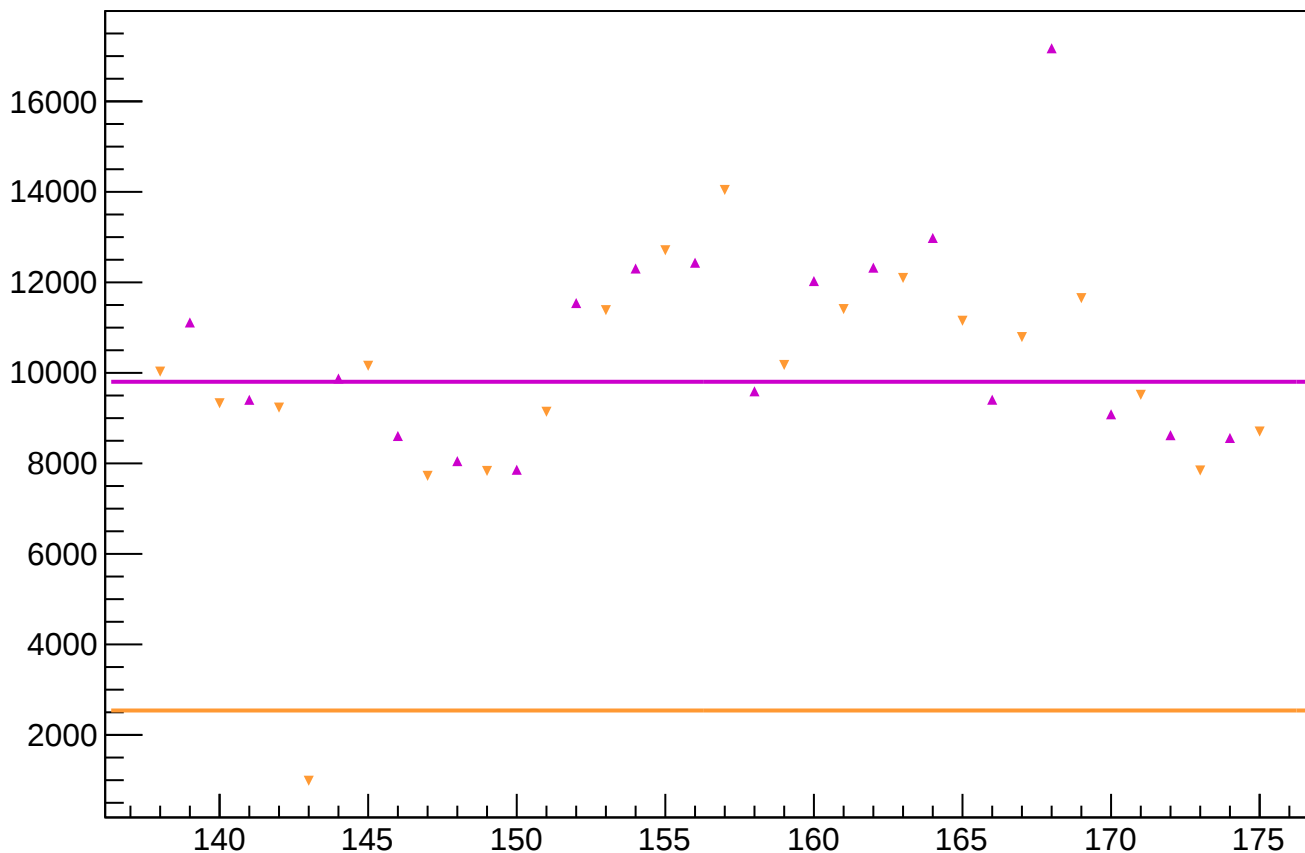
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1056.380+/-2653.920 χ^2/NDF :11.5/17

Out: -2014.341+/-1100.844 χ^2/NDF :28.6/19

All: -1563.558+/-1016.837 χ^2/NDF : 41.3/37

asym_atl2_correction_rms vs Slug, Sign Corrected



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

Left Out: 2539.699+/-0.778 χ^2/NDF :19170589.3/19

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

Left In: 9803.684+/-1.877 χ^2/NDF :985689.3/17

Left: 3606.053+/-0.719 χ^2/NDF : 32939927.7/37

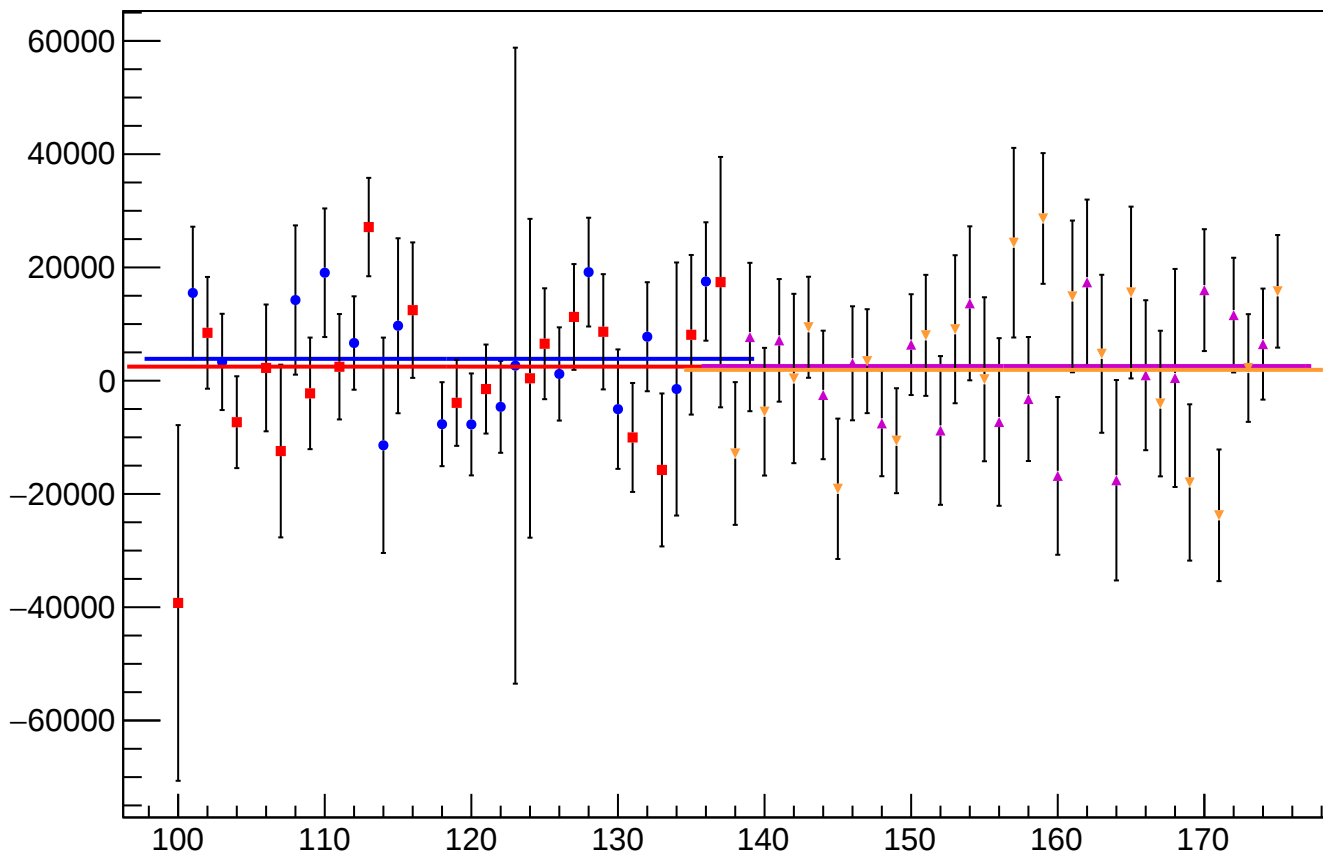
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 9803.684+/-1.877 χ^2/NDF :985689.3/17

Out: 2539.699+/-0.778 χ^2/NDF :19170589.3/19

All: 3606.053+/-0.719 χ^2/NDF : 32939927.7/37

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3859.866+/-2508.782 χ^2/NDF : 14.8/16

Left Out: 1914.776+/-2611.580 χ^2/NDF : 26.0/19

Right Out: 2482.925+/-2421.310 χ^2/NDF : 20.0/18

Left In: 2585.681+/-2768.860 χ^2/NDF : 10.8/17

Left: 2230.633+/-1899.836 χ^2/NDF : 36.8/37

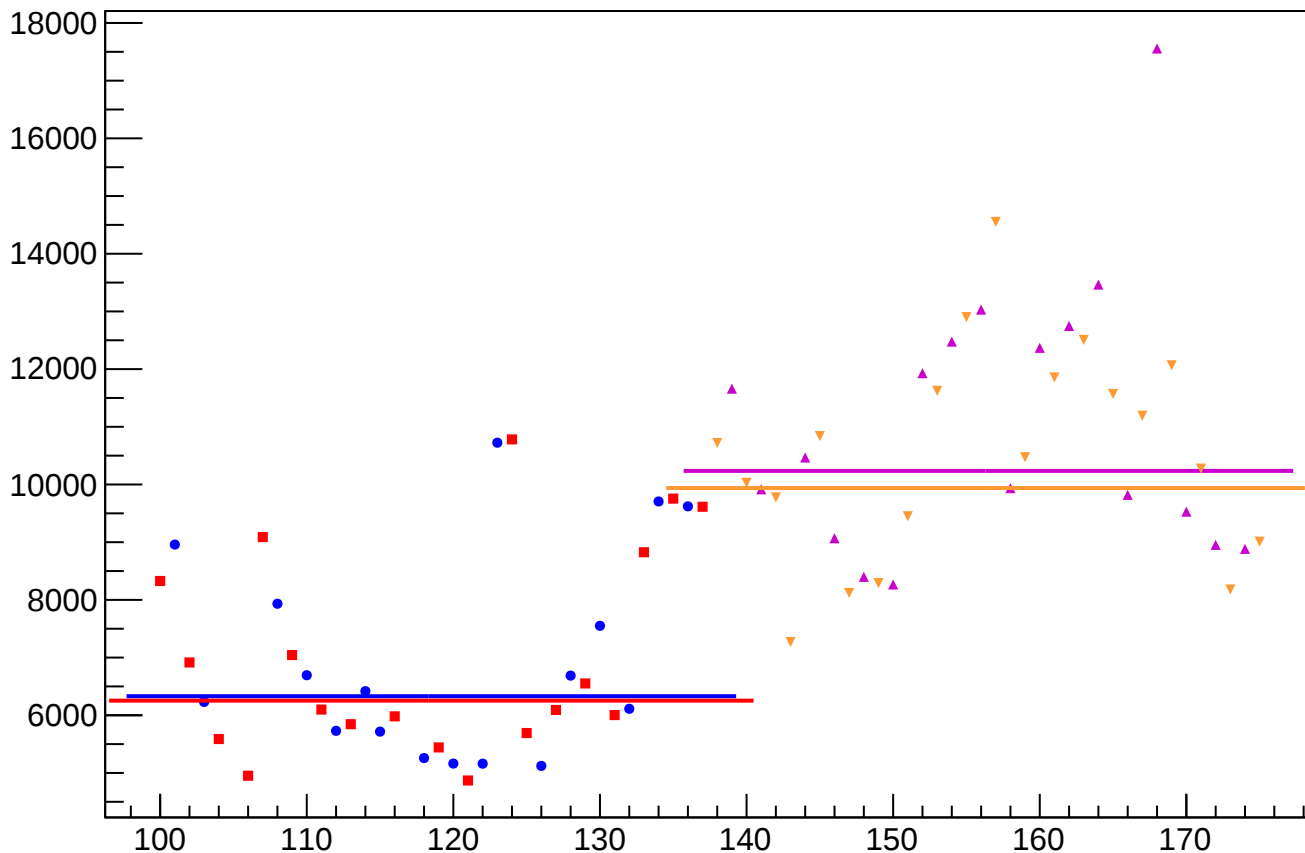
Right: 3146.972+/-1742.228 χ^2/NDF : 35.0/35

In: 3285.412+/-1859.141 χ^2/NDF : 25.7/34

Out: 2220.299+/-1775.583 χ^2/NDF : 46.0/38

All: 2728.383+/-1284.051 χ^2/NDF : 71.9/73

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6330.291 $\pm$ 1.774 χ^2/NDF : 593395.6/16

Left Out: 9938.546 $\pm$ 1.847 χ^2/NDF : 902687.8/19

Right Out: 6253.330 $\pm$ 1.712 χ^2/NDF : 535355.5/18

Left In: 10235.774 $\pm$ 1.958 χ^2/NDF : 931530.5/17

Left: 10078.479 $\pm$ 1.343 χ^2/NDF : 1846414.8/37

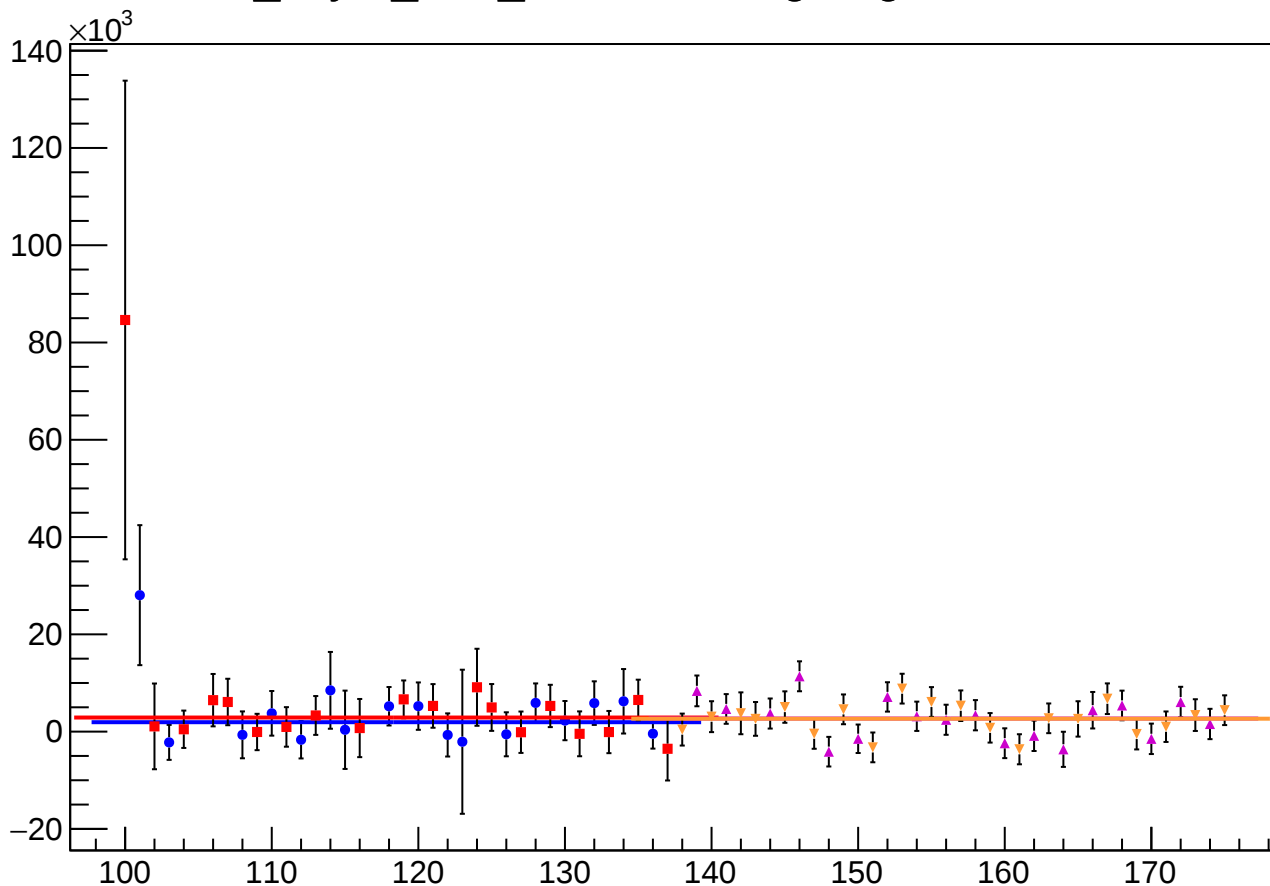
Right: 6290.444 $\pm$ 1.232 χ^2/NDF : 1129725.5/35

In: 8091.031 $\pm$ 1.315 χ^2/NDF : 3710059.4/34

Out: 7956.732 $\pm$ 1.255 χ^2/NDF : 3579696.7/38

All: 8020.794 $\pm$ 0.908 χ^2/NDF : 7295214.2/73

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1936.744+/-1128.266 χ^2/NDF : 11.3/16

Left Out: 2656.087+/-714.911 χ^2/NDF : 20.1/19

Right Out: 2896.594+/-1086.848 χ^2/NDF : 10.6/18

Left In: 2687.704+/-736.969 χ^2/NDF : 32.2/17

Left: 2671.415+/-513.139 χ^2/NDF : 52.3/37

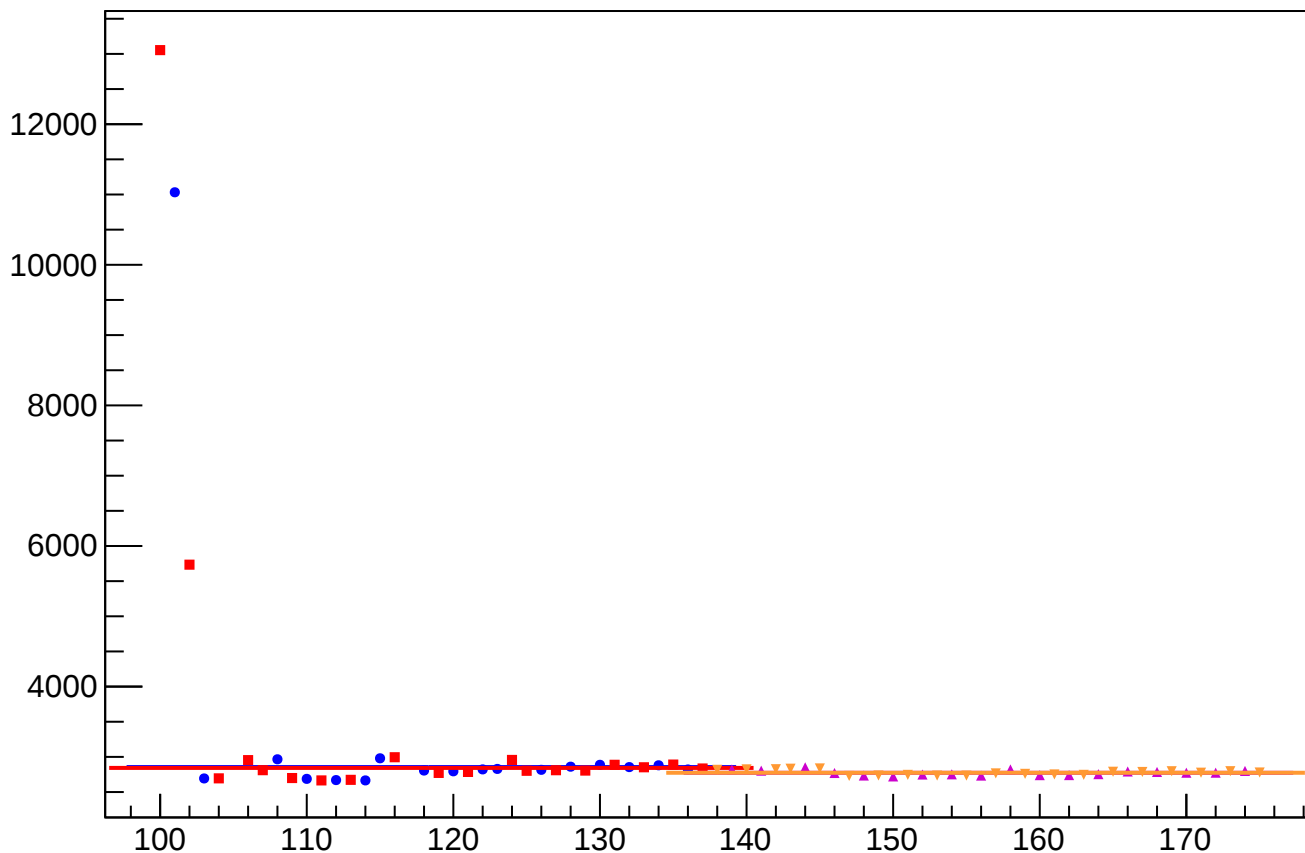
Right: 2434.610+/-782.750 χ^2/NDF : 22.3/35

In: 2463.123+/-617.007 χ^2/NDF : 43.8/34

Out: 2728.722+/-597.280 χ^2/NDF : 30.8/38

All: 2600.236+/-429.145 χ^2/NDF : 74.7/73

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2855.108 $\pm$ 0.798 χ^2 /NDF: 660906.0/16

Left Out: 2774.349 $\pm$ 0.506 χ^2 /NDF: 4593.5/19

Right Out: 2843.350 $\pm$ 0.769 χ^2 /NDF: 319301.9/18

Left In: 2773.196 $\pm$ 0.521 χ^2 /NDF: 4679.7/17

Left: 2773.790 $\pm$ 0.363 χ^2 /NDF: 9275.8/37

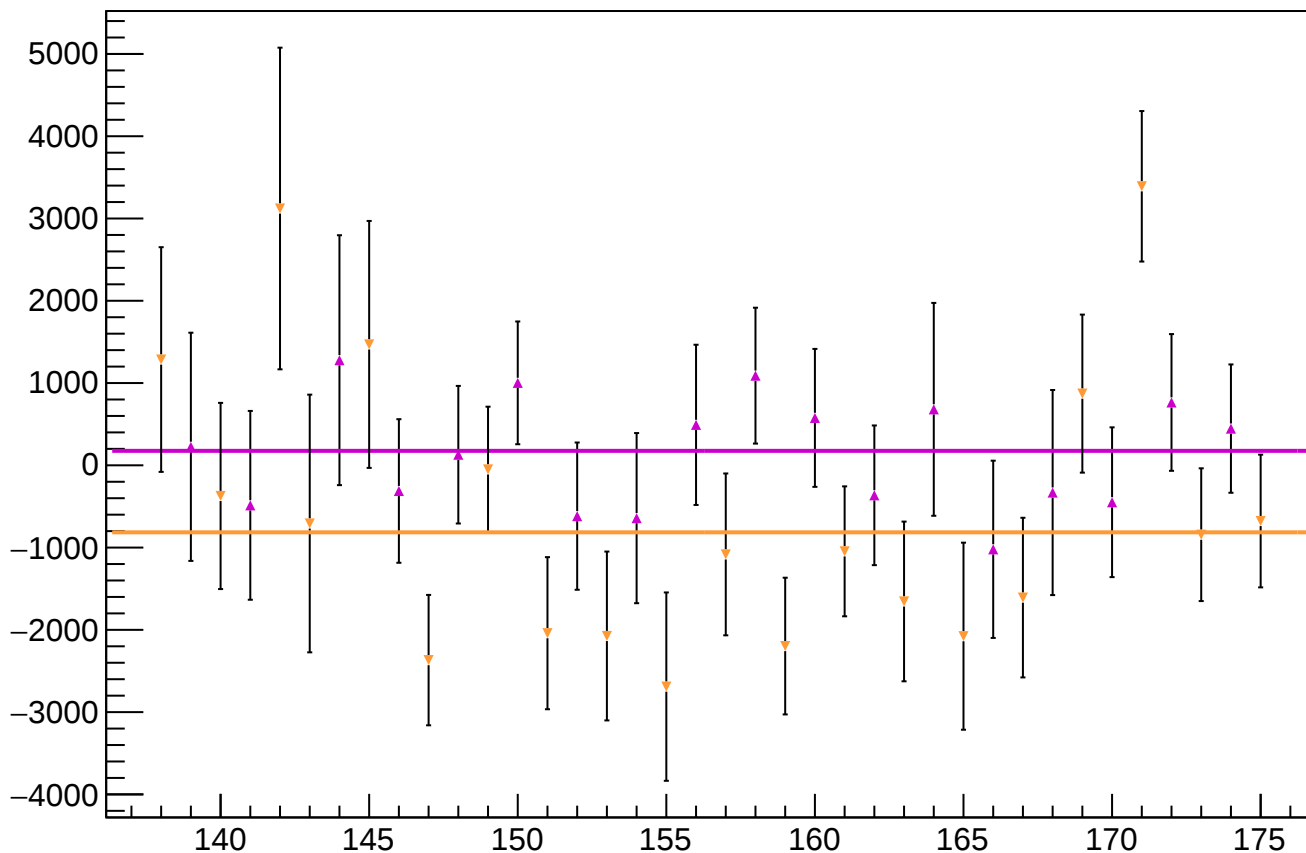
Right: 2849.009 $\pm$ 0.553 χ^2 /NDF: 980320.6/35

In: 2797.692 $\pm$ 0.436 χ^2 /NDF: 672974.7/34

Out: 2795.188 $\pm$ 0.422 χ^2 /NDF: 329522.1/38

All: 2796.399 $\pm$ 0.303 χ^2 /NDF: 1002513.8/73

asym_atr1_correction_mean vs Slug, Sign Corrected



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

Left Out: -814.549+/-218.422 χ^2/NDF :49.5/19

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

Left In: 175.914+/-222.662 χ^2/NDF :8.4/17

Left: -328.839+/-155.925 χ^2/NDF : 68.0/37

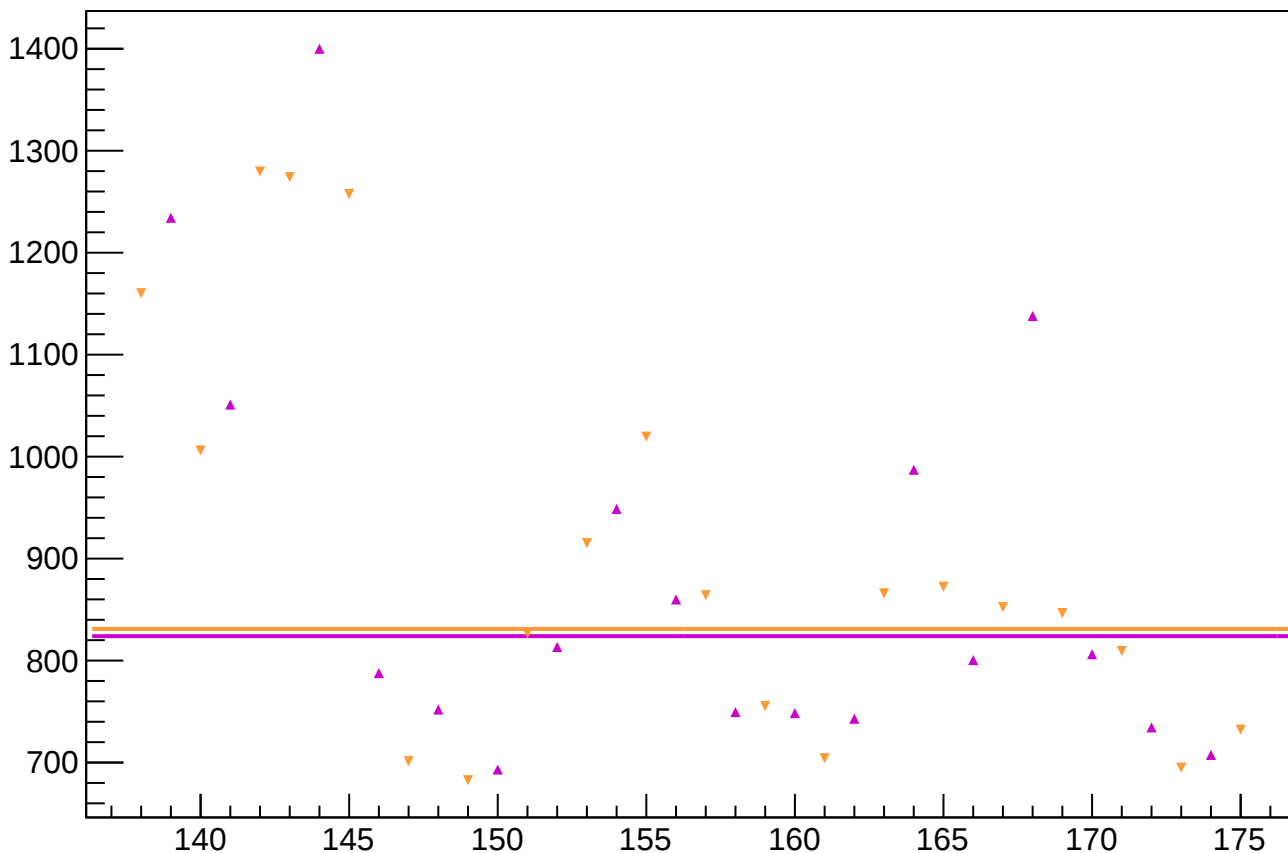
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 175.914+/-222.662 χ^2/NDF :8.4/17

Out: -814.549+/-218.422 χ^2/NDF :49.5/19

All: -328.839+/-155.925 χ^2/NDF : 68.0/37

asym_atr1_correction_rms vs Slug, Sign Corrected



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

Left Out: 831.039+/-0.154 χ^2/NDF :953262.3/19

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

Left In: 823.941+/-0.157 χ^2/NDF :931718.4/17

Left: 827.559+/-0.110 χ^2/NDF : 1886016.4/37

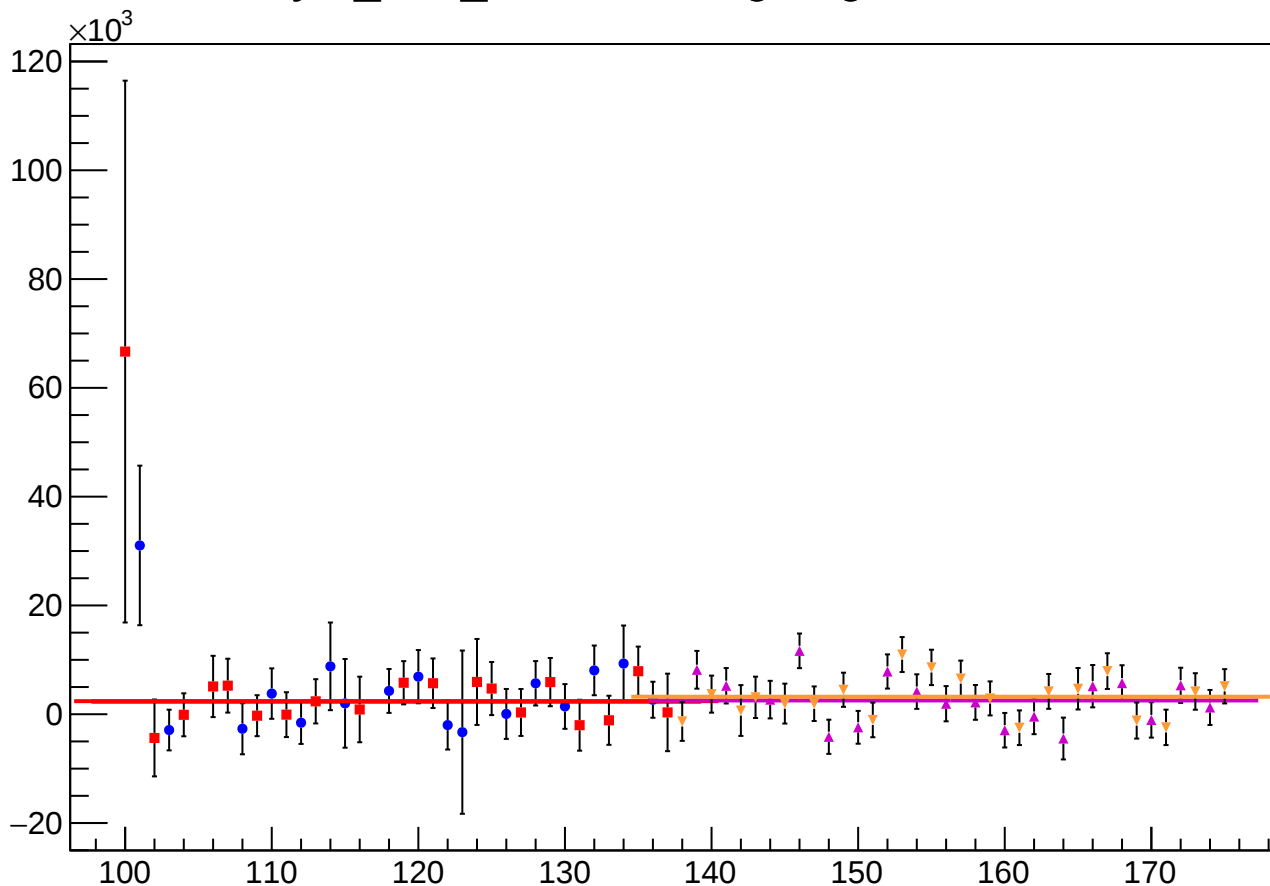
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 823.941+/-0.157 χ^2/NDF :931718.4/17

Out: 831.039+/-0.154 χ^2/NDF :953262.3/19

All: 827.559+/-0.110 χ^2/NDF : 1886016.4/37

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2330.134+/-1156.555 χ^2/NDF : 14.4/16

Left Out: 3222.712+/-751.448 χ^2/NDF : 24.5/19

Right Out: 2403.750+/-1110.093 χ^2/NDF : 10.1/18

Left In: 2531.936+/-773.333 χ^2/NDF : 32.6/17

Left: 2887.236+/-538.925 χ^2/NDF : 57.4/37

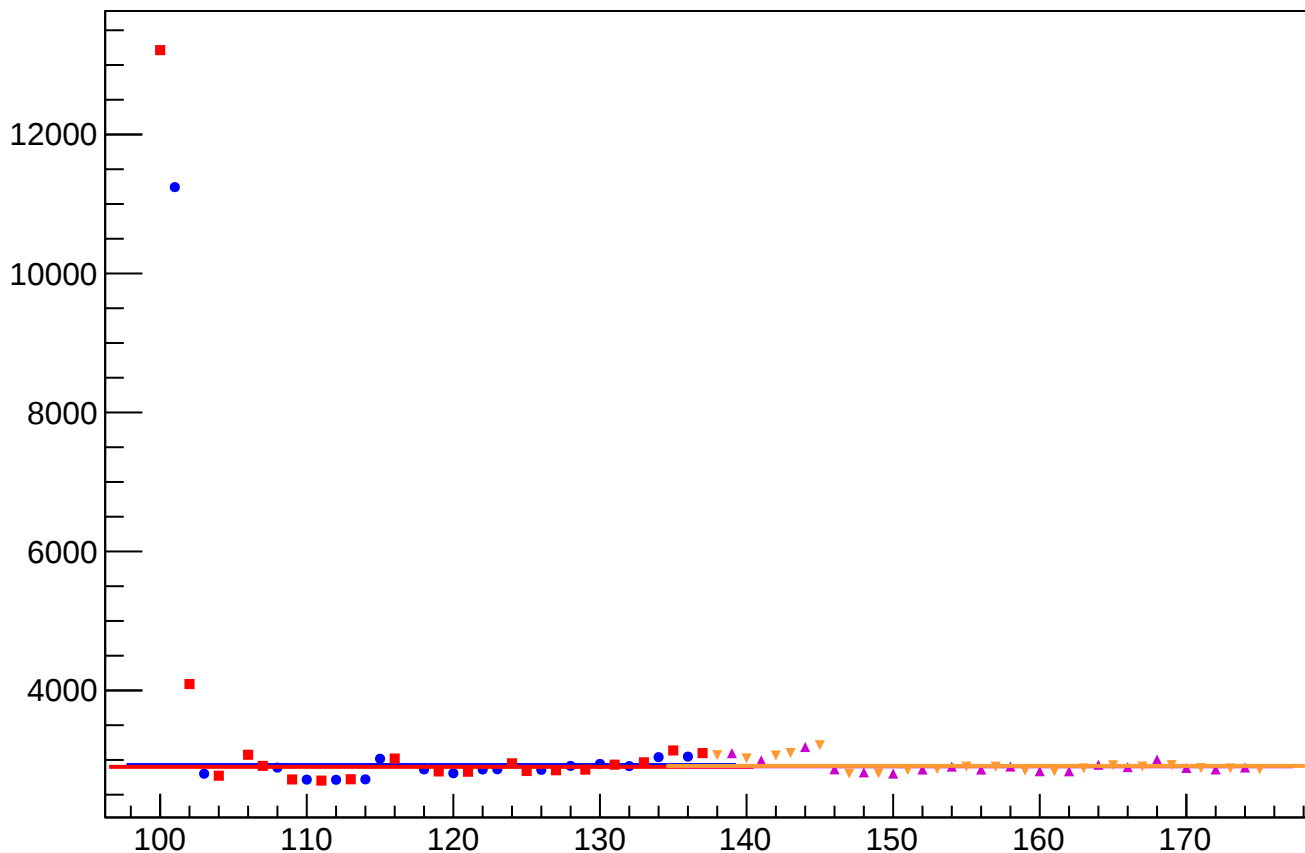
Right: 2368.450+/-800.876 χ^2/NDF : 24.5/35

In: 2469.587+/-642.862 χ^2/NDF : 47.0/34

Out: 2965.366+/-622.281 χ^2/NDF : 34.9/38

All: 2725.539+/-447.118 χ^2/NDF : 82.2/73

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2926.610+/-0.818 χ^2/NDF : 662794.4/16

Left Out: 2914.340+/-0.531 χ^2/NDF : 35050.9/19

Right Out: 2900.827+/-0.785 χ^2/NDF : 169866.6/18

Left In: 2908.720+/-0.547 χ^2/NDF : 29713.4/17

Left: 2911.611+/-0.381 χ^2/NDF : 64818.7/37

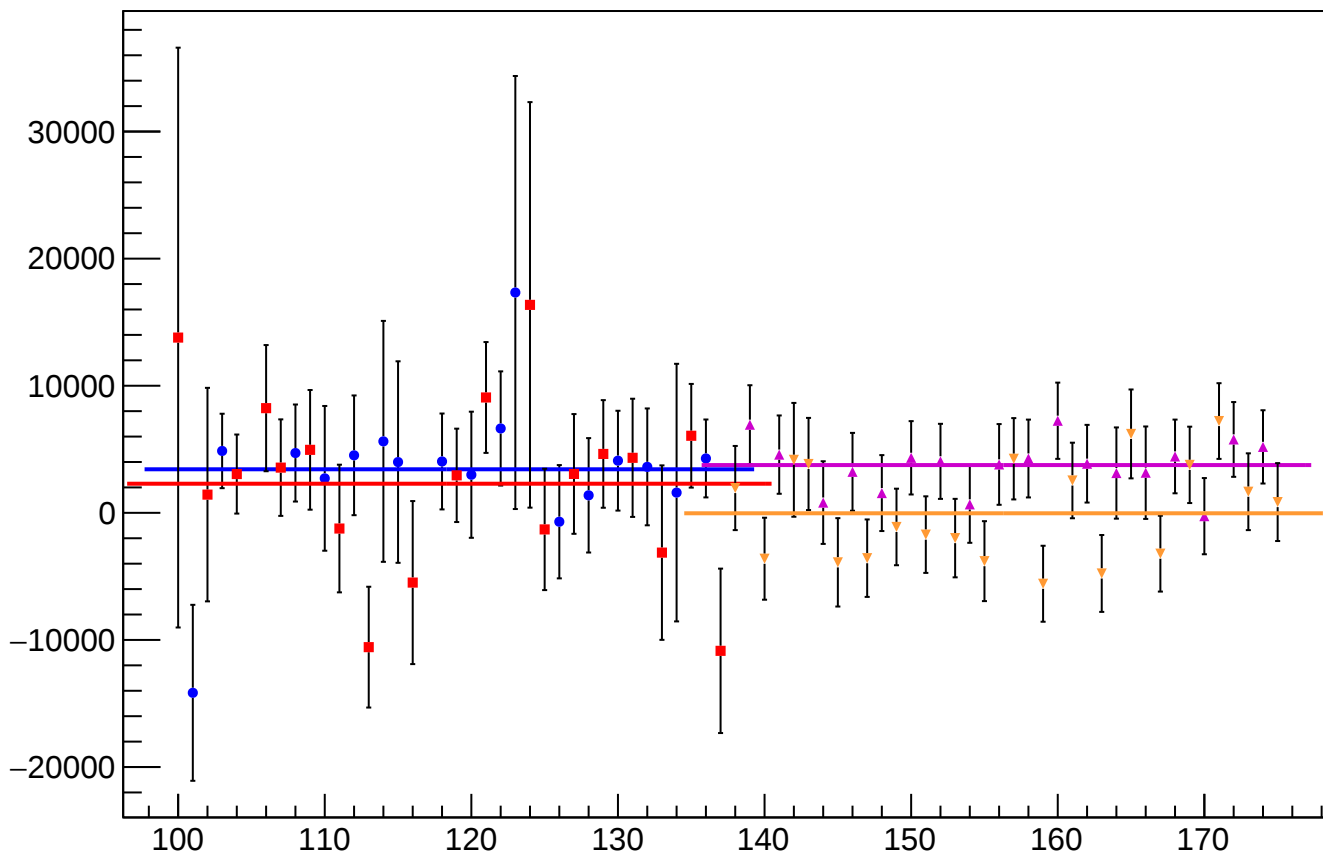
Right: 2913.190+/-0.566 χ^2/NDF : 833178.3/35

In: 2914.247+/-0.455 χ^2/NDF : 692838.5/34

Out: 2910.094+/-0.440 χ^2/NDF : 205120.7/38

All: 2912.103+/-0.316 χ^2/NDF : 898002.3/73

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3426.396+/-1117.275 χ^2/NDF : 9.4/16

Left Out: -34.780+/-707.837 χ^2/NDF : 29.2/19

Right Out: 2290.985+/-1111.370 χ^2/NDF : 21.4/18

Left In: 3758.449+/-723.626 χ^2/NDF : 7.6/17

Left: 1820.001+/-506.007 χ^2/NDF : 50.8/37

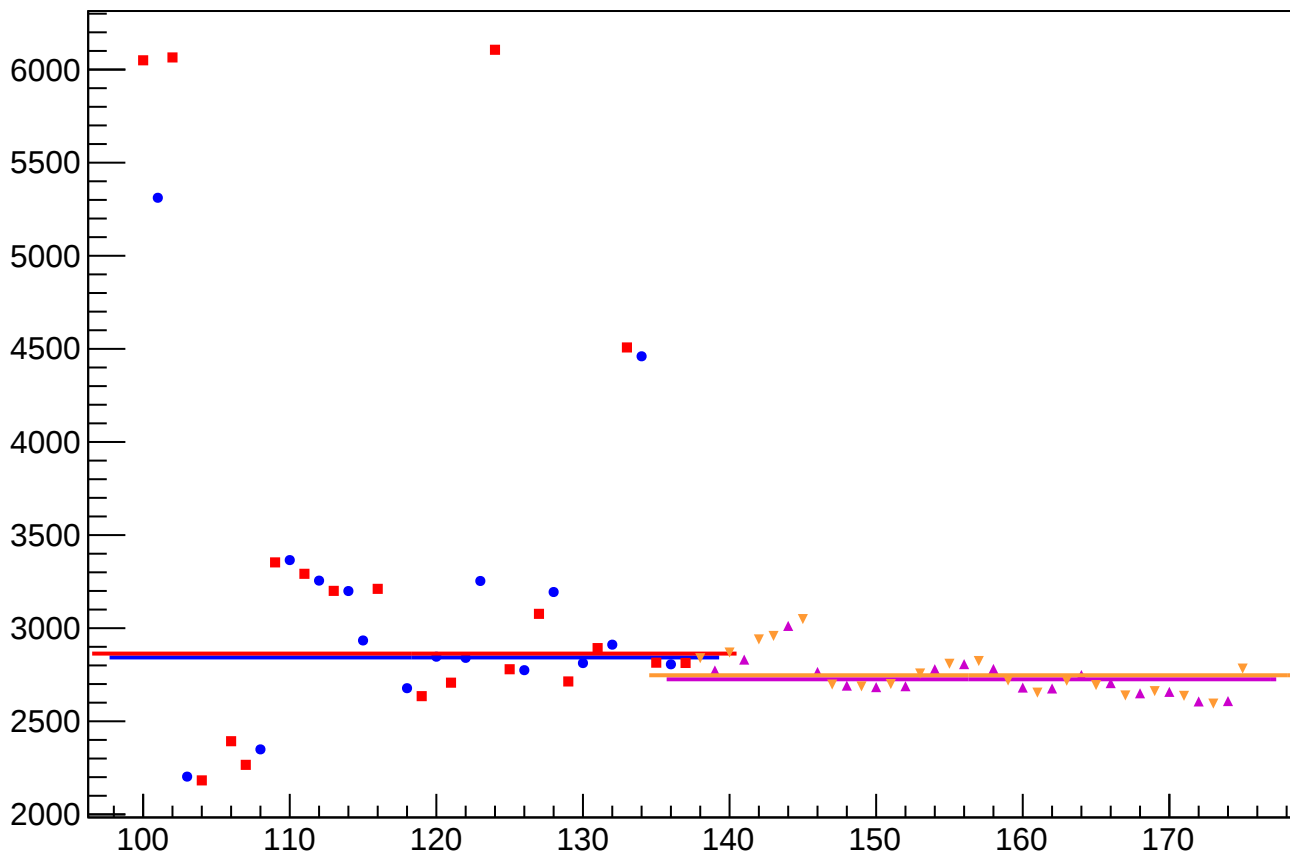
Right: 2855.682+/-787.937 χ^2/NDF : 31.3/35

In: 3660.322+/-607.366 χ^2/NDF : 17.0/34

Out: 636.400+/-597.029 χ^2/NDF : 53.7/38

All: 2122.410+/-425.771 χ^2/NDF : 83.3/73

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2842.874 $\pm$ 0.790 χ^2 /NDF: 488114.5/16

Left Out: 2747.217 $\pm$ 0.501 χ^2 /NDF: 48834.2/19

Right Out: 2863.592 $\pm$ 0.786 χ^2 /NDF: 760763.4/18

Left In: 2725.574 $\pm$ 0.512 χ^2 /NDF: 32357.9/17

Left: 2736.634 $\pm$ 0.358 χ^2 /NDF: 82106.4/37

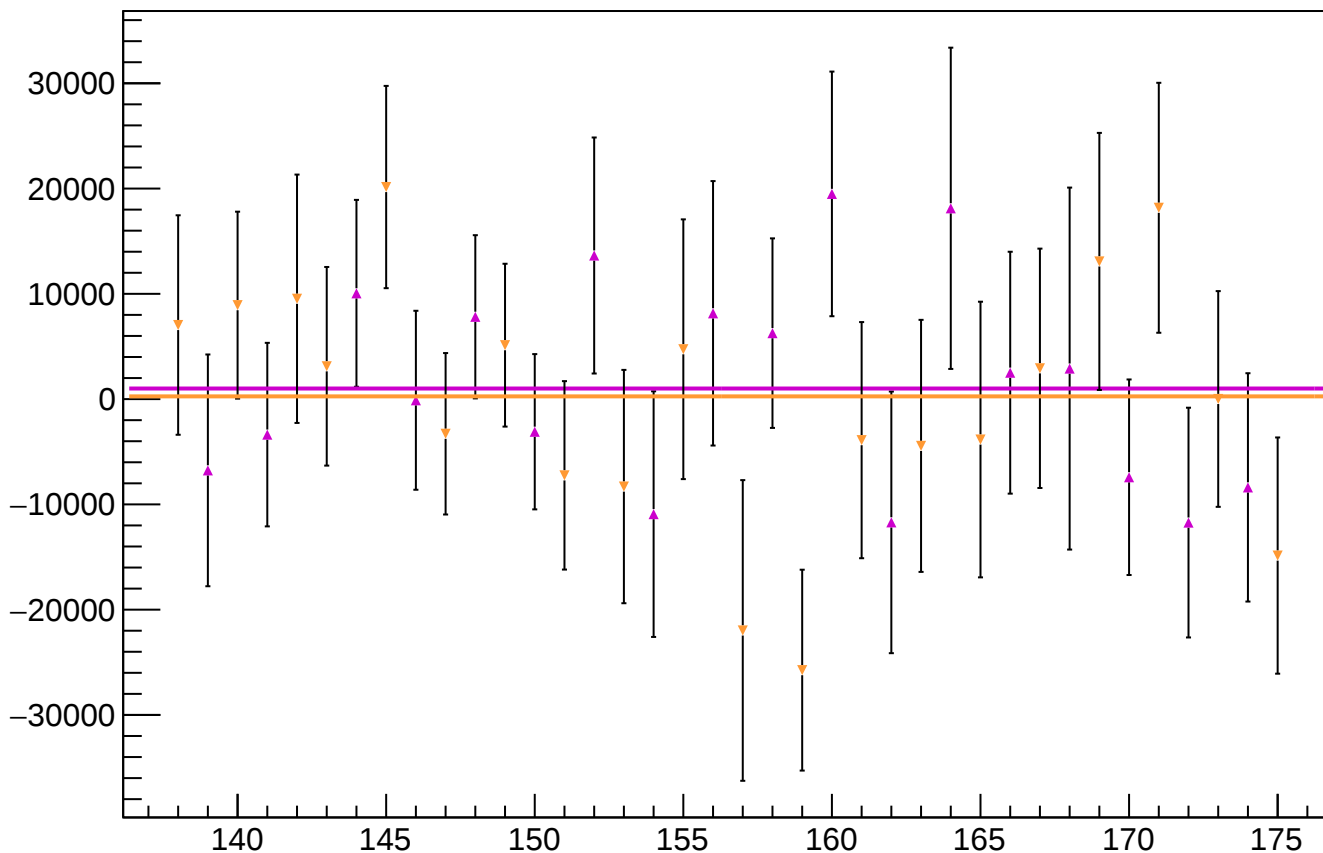
Right: 2853.292 $\pm$ 0.557 χ^2 /NDF: 1249223.7/35

In: 2760.238 $\pm$ 0.429 χ^2 /NDF: 536002.7/34

Out: 2780.820 $\pm$ 0.422 χ^2 /NDF: 825207.6/38

All: 2770.707 $\pm$ 0.301 χ^2 /NDF: 1362378.5/73

asym_atr2_correction_mean vs Slug, Sign Corrected



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

Left Out: 259.777+/-2307.984 χ^2/NDF :23.9/19

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

Left In: 1005.977+/-2393.223 χ^2/NDF :13.7/17

Left: 619.352+/-1661.308 χ^2/NDF : 37.6/37

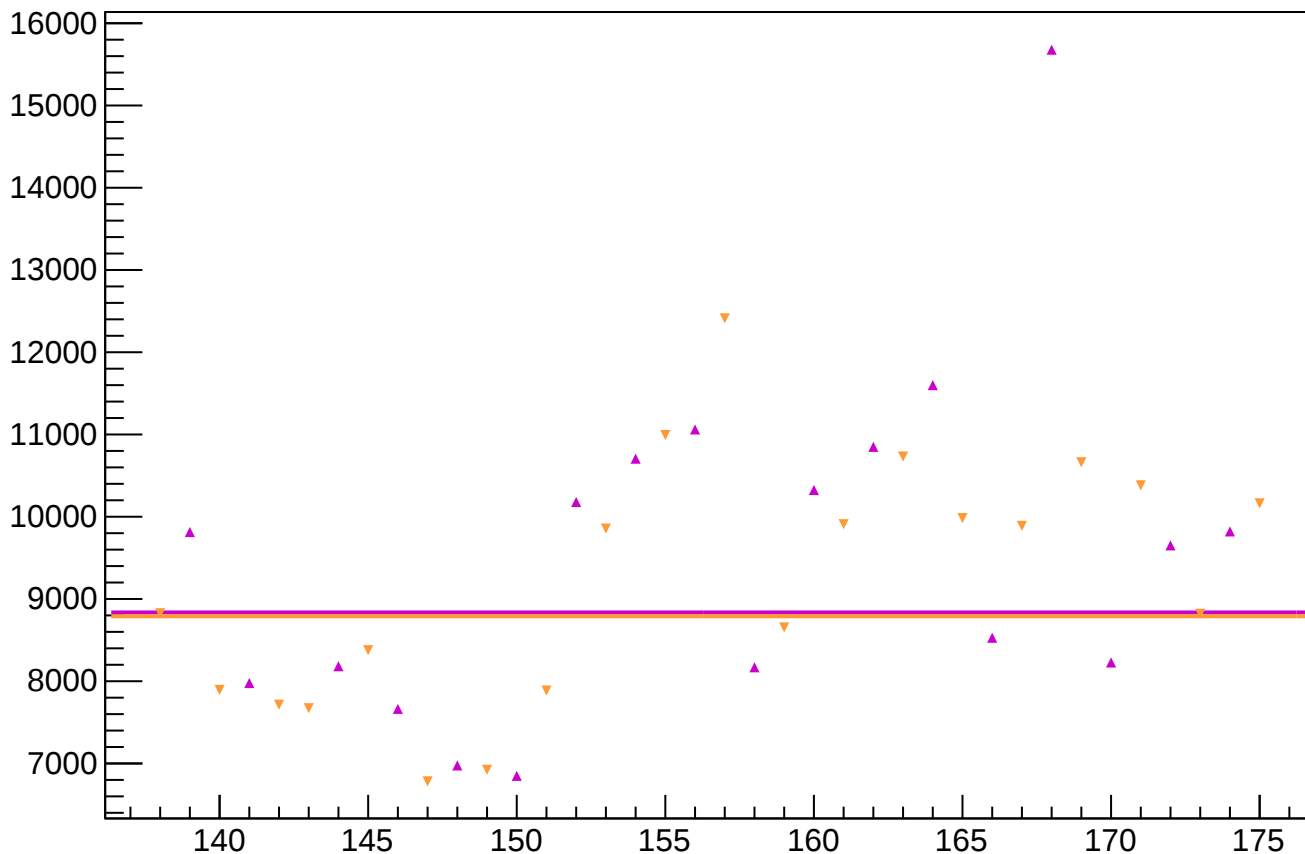
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1005.977+/-2393.223 χ^2/NDF :13.7/17

Out: 259.777+/-2307.984 χ^2/NDF :23.9/19

All: 619.352+/-1661.308 χ^2/NDF : 37.6/37

asym_atr2_correction_rms vs Slug, Sign Corrected



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

Left Out: 8789.714+/-1.632 χ^2/NDF : 774811.7/19

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

Left In: 8836.254+/-1.692 χ^2/NDF : 1003632.7/17

Left: 8812.140+/-1.175 χ^2/NDF : 1778836.2/37

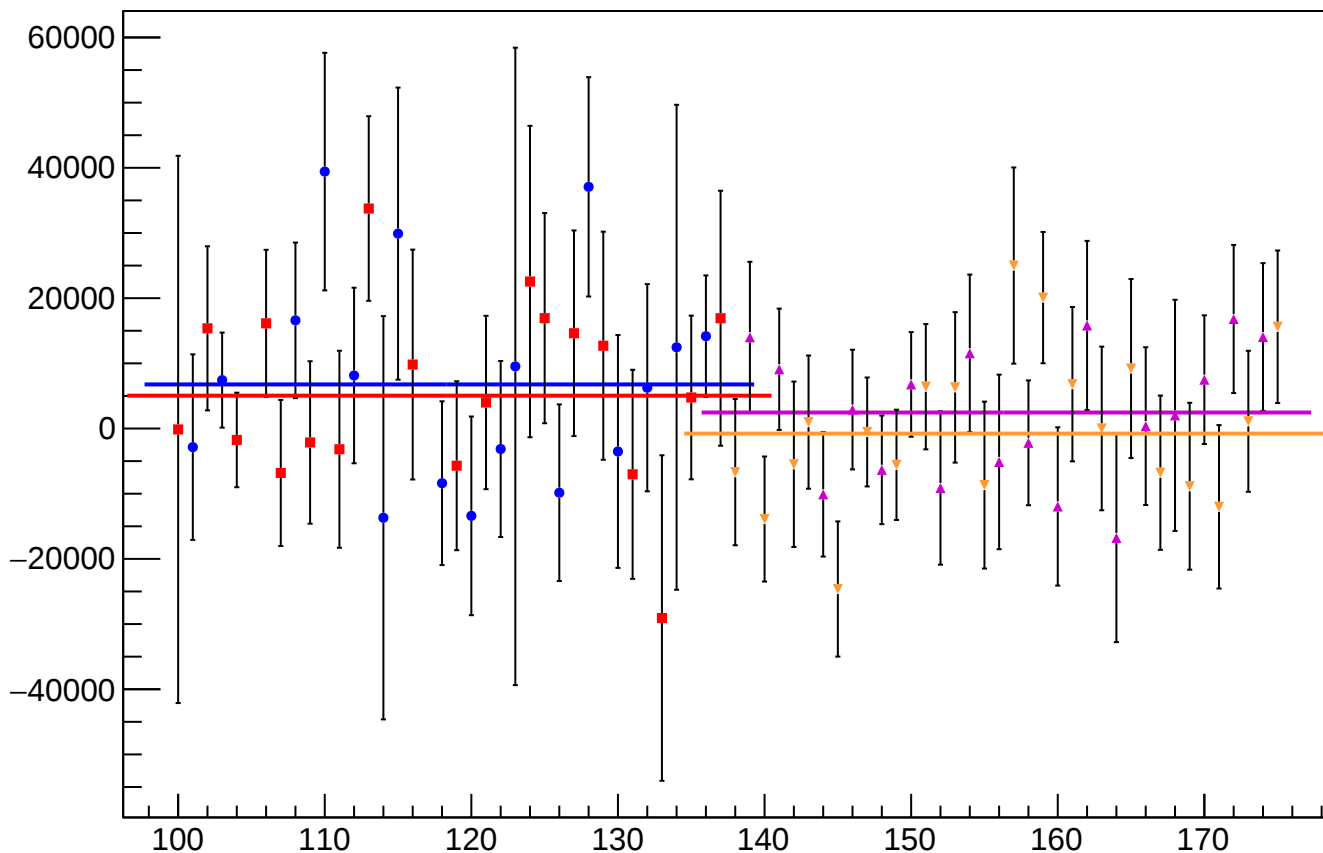
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 8836.254+/-1.692 χ^2/NDF : 1003632.7/17

Out: 8789.714+/-1.632 χ^2/NDF : 774811.7/19

All: 8812.140+/-1.175 χ^2/NDF : 1778836.2/37

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6767.402 $\pm$ 3387.139 χ^2/NDF : 15.3/16

Left Out: -778.884 $\pm$ 2460.992 χ^2/NDF : 20.9/19

Right Out: 5041.440 $\pm$ 3167.616 χ^2/NDF : 13.6/18

Left In: 2456.308 $\pm$ 2541.930 χ^2/NDF : 13.6/17

Left: 786.386 $\pm$ 1768.106 χ^2/NDF : 35.3/37

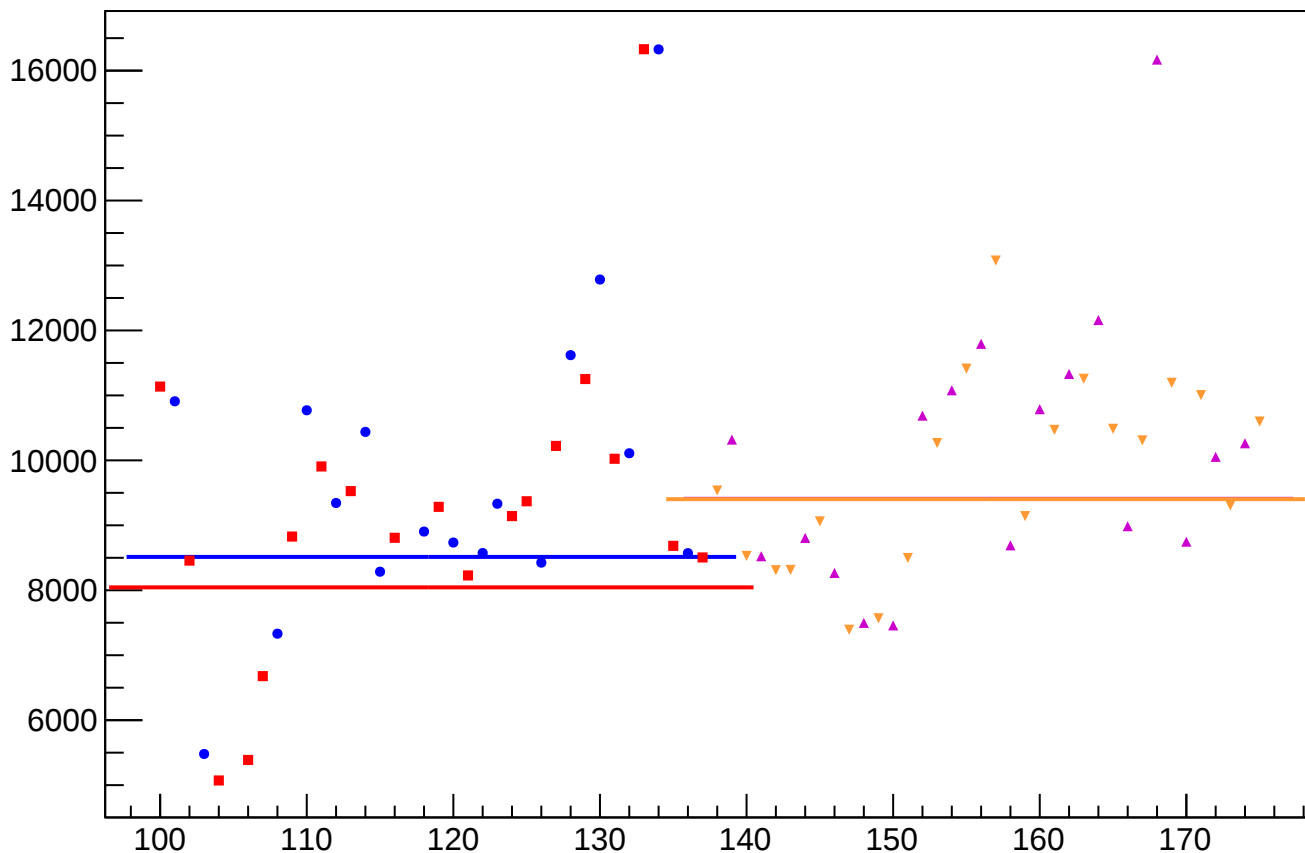
Right: 5846.682 $\pm$ 2313.559 χ^2/NDF : 29.1/35

In: 4009.534 $\pm$ 2033.090 χ^2/NDF : 30.0/34

Out: 1411.923 $\pm$ 1943.395 χ^2/NDF : 36.6/38

All: 2652.165 $\pm$ 1404.827 χ^2/NDF : 67.4/73

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8513.665 $\pm$ 2.395 χ^2 /NDF: 762614.5/16

Left Out: 9402.198 $\pm$ 1.740 χ^2 /NDF: 641861.8/19

Right Out: 8044.739 $\pm$ 2.240 χ^2 /NDF: 952310.5/18

Left In: 9407.931 $\pm$ 1.797 χ^2 /NDF: 878123.9/17

Left: 9404.972 $\pm$ 1.250 χ^2 /NDF: 1519991.0/37

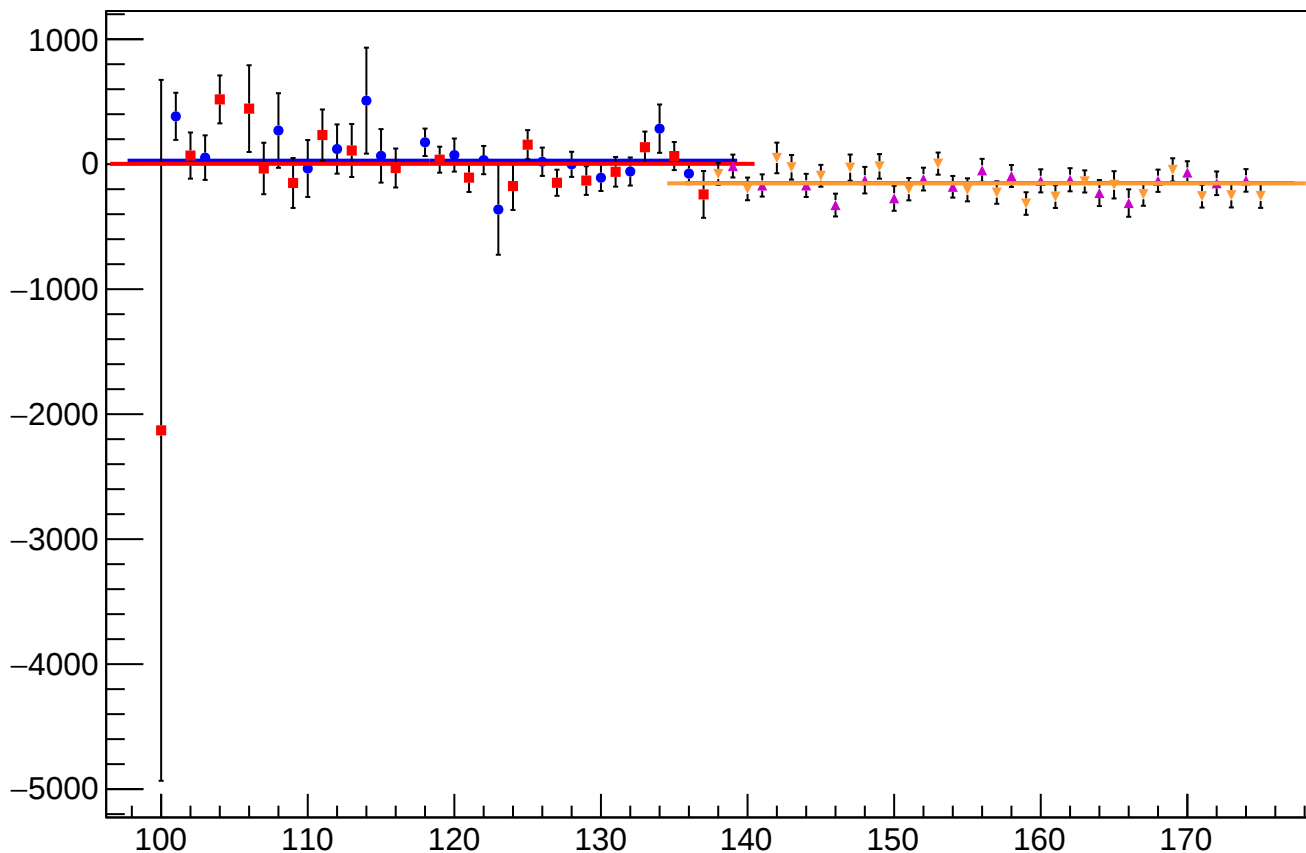
Right: 8263.507 $\pm$ 1.636 χ^2 /NDF: 1735374.5/35

In: 9085.740 $\pm$ 1.438 χ^2 /NDF: 1729921.5/34

Out: 8891.219 $\pm$ 1.374 χ^2 /NDF: 1823227.4/38

All: 8984.093 $\pm$ 0.993 χ^2 /NDF: 3562715.9/73

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 28.303 ± 33.679 $\chi^2/\text{NDF}: 14.5/16$

Left Out: -152.843 ± 21.021 $\chi^2/\text{NDF}: 23.8/19$

Right Out: 2.963 ± 33.691 $\chi^2/\text{NDF}: 22.3/18$

Left In: -151.181 ± 22.013 $\chi^2/\text{NDF}: 13.2/17$

Left: -152.050 ± 15.203 $\chi^2/\text{NDF}: 37.1/37$

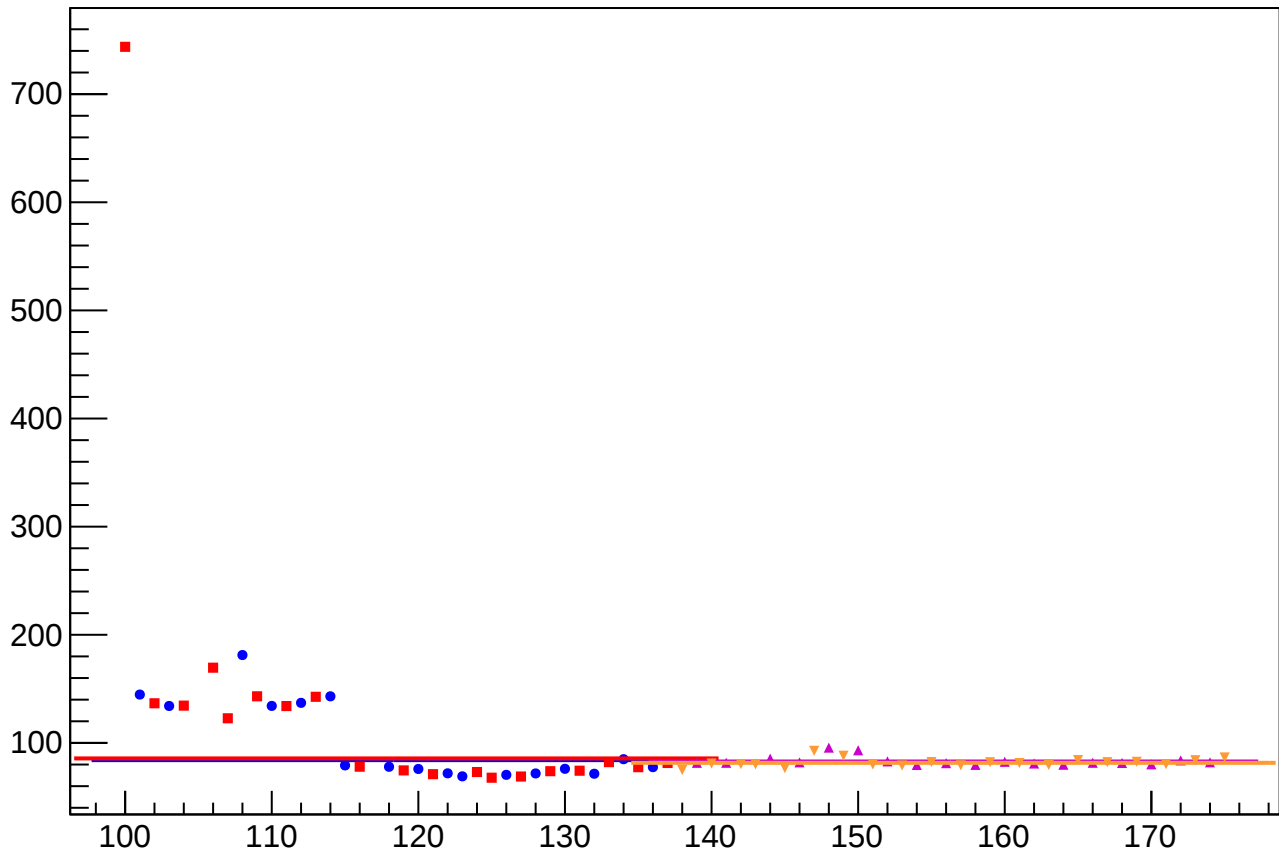
Right: 15.637 ± 23.819 $\chi^2/\text{NDF}: 37.0/35$

In: -97.454 ± 18.426 $\chi^2/\text{NDF}: 47.6/34$

Out: -109.184 ± 17.834 $\chi^2/\text{NDF}: 61.5/38$

All: -103.511 ± 12.815 $\chi^2/\text{NDF}: 109.3/73$

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 84.067+/-0.024 χ^2/NDF : 1005835.5/16

Left Out: 81.576+/-0.015 χ^2/NDF : 62989.1/19

Right Out: 85.667+/-0.024 χ^2/NDF : 1215221.9/18

Left In: 82.814+/-0.016 χ^2/NDF : 64112.1/17

Left: 82.166+/-0.011 χ^2/NDF : 130406.1/37

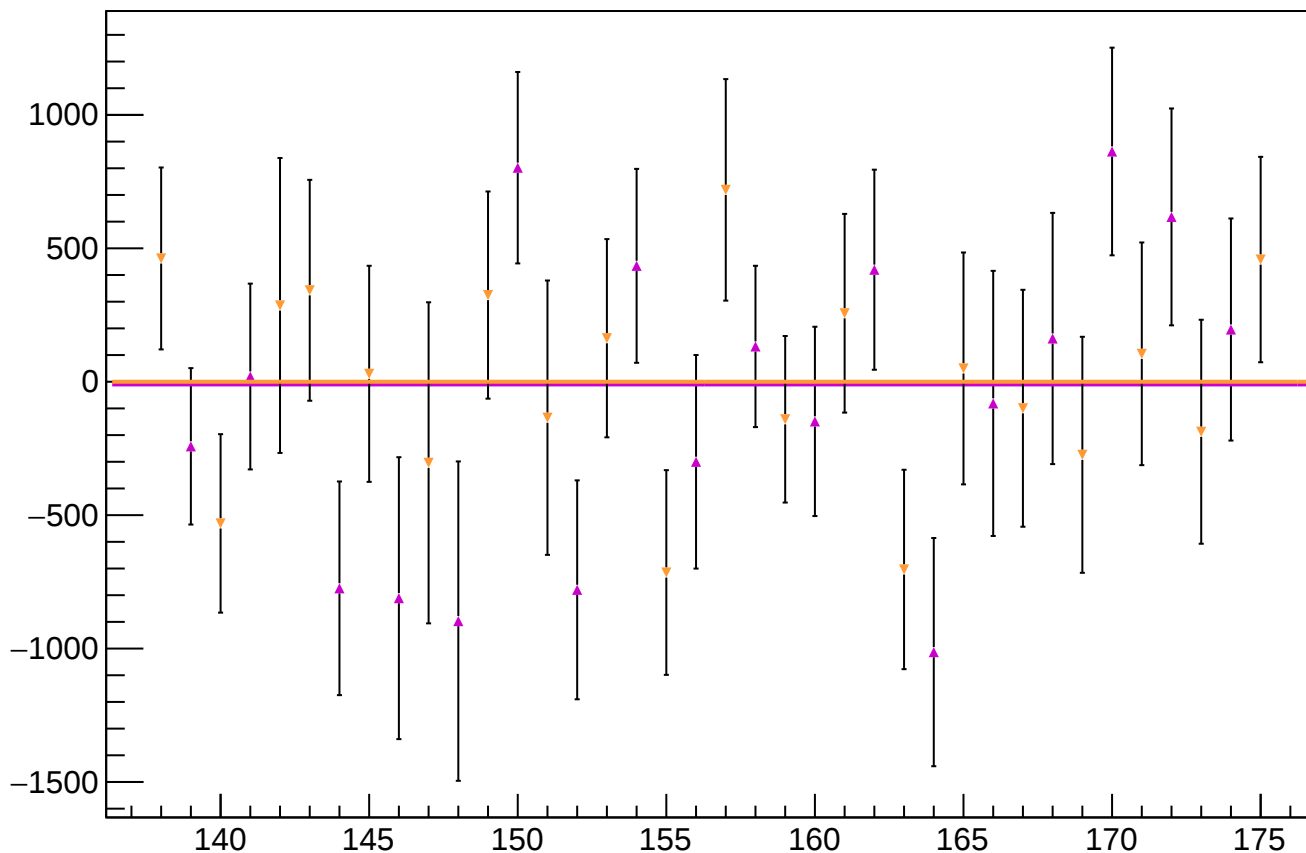
Right: 84.866+/-0.017 χ^2/NDF : 2223312.8/35

In: 83.189+/-0.013 χ^2/NDF : 1071888.4/34

Out: 82.722+/-0.013 χ^2/NDF : 1299430.8/38

All: 82.948+/-0.009 χ^2/NDF : 2371980.5/73

asym_sam1_correction_mean vs Slug, Sign Corrected



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

Left Out: 0.017+/-89.774 χ^2/NDF :19.4/19

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

Left In: -10.093+/-91.863 χ^2/NDF :34.5/17

Left: -4.922+/-64.206 χ^2/NDF : 53.8/37

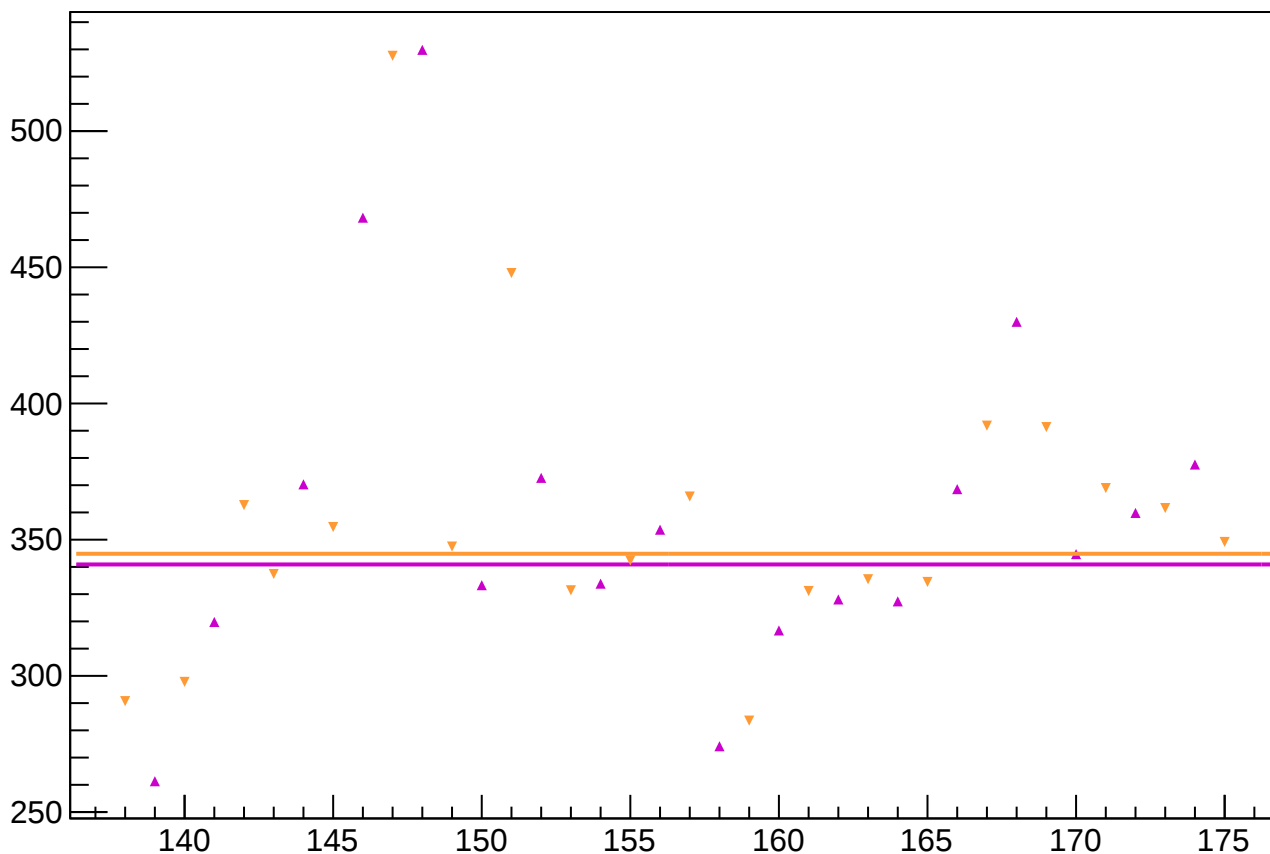
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -10.093+/-91.863 χ^2/NDF :34.5/17

Out: 0.017+/-89.774 χ^2/NDF :19.4/19

All: -4.922+/-64.206 χ^2/NDF : 53.8/37

asym_sam1_correction_rms vs Slug, Sign Corrected



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

Left Out: 344.826+/-0.063 χ^2/NDF : 503587.0/19

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

Left In: 340.904+/-0.065 χ^2/NDF : 705863.6/17

Left: 342.910+/-0.045 χ^2/NDF : 1211315.3/37

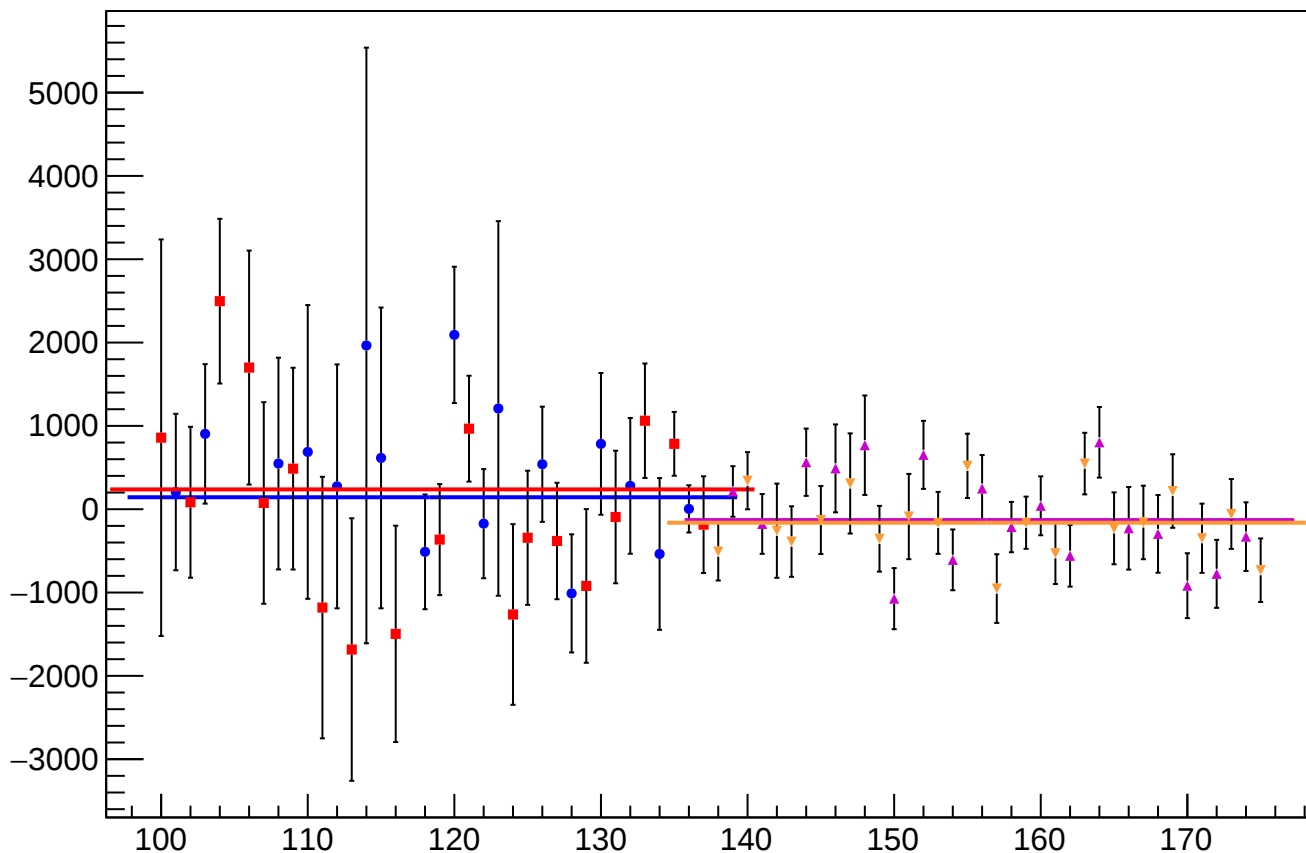
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 340.904+/-0.065 χ^2/NDF : 705863.6/17

Out: 344.826+/-0.063 χ^2/NDF : 503587.0/19

All: 342.910+/-0.045 χ^2/NDF : 1211315.3/37

asym_sam1_mean vs Slug, Sign Corrected



Right In: 143.486 $\pm$ 179.237 χ^2 /NDF: 12.8/16

Left Out: -162.093 $\pm$ 90.078 χ^2 /NDF:19.1/19

Right Out: 237.821 $\pm$ 183.995 χ^2 /NDF: 21.7/18

Left In: -130.737 $\pm$ 92.333 χ^2 /NDF:34.3/17

Left: -146.803 $\pm$ 64.477 χ^2 /NDF: 53.4/37

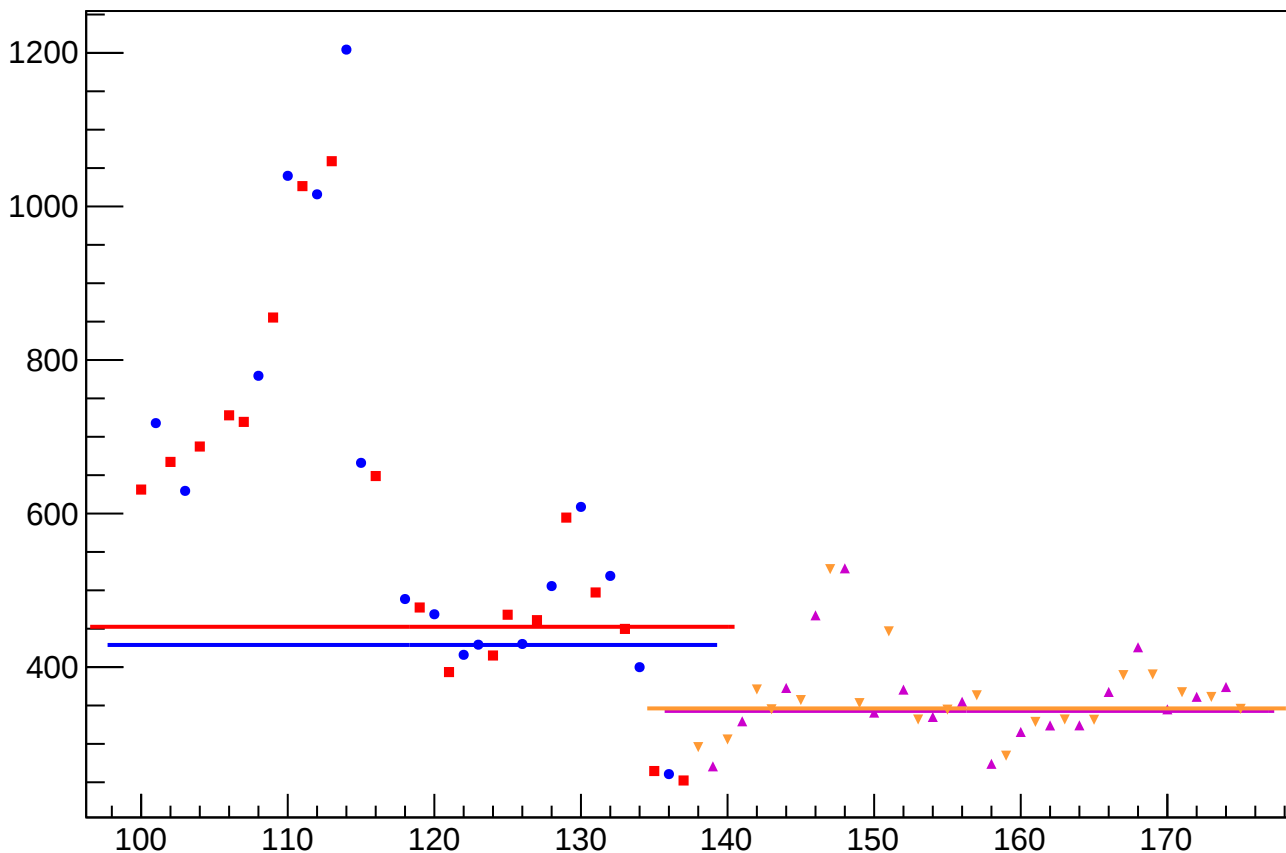
Right: 189.418 $\pm$ 128.389 χ^2 /NDF: 34.6/35

In: -73.227 $\pm$ 82.082 χ^2 /NDF:48.9/34

Out: -84.774 $\pm$ 80.903 χ^2 /NDF:44.6/38

All: -79.084 $\pm$ 57.619 χ^2 /NDF: 93.5/73

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.856+/-0.127 χ^2/NDF : 2012329.6/16

Left Out: 346.198+/-0.064 χ^2/NDF : 475900.0/19

Right Out: 452.517+/-0.130 χ^2/NDF : 2039238.5/18

Left In: 342.959+/-0.065 χ^2/NDF : 652978.1/17

Left: 344.618+/-0.046 χ^2/NDF : 1130138.8/37

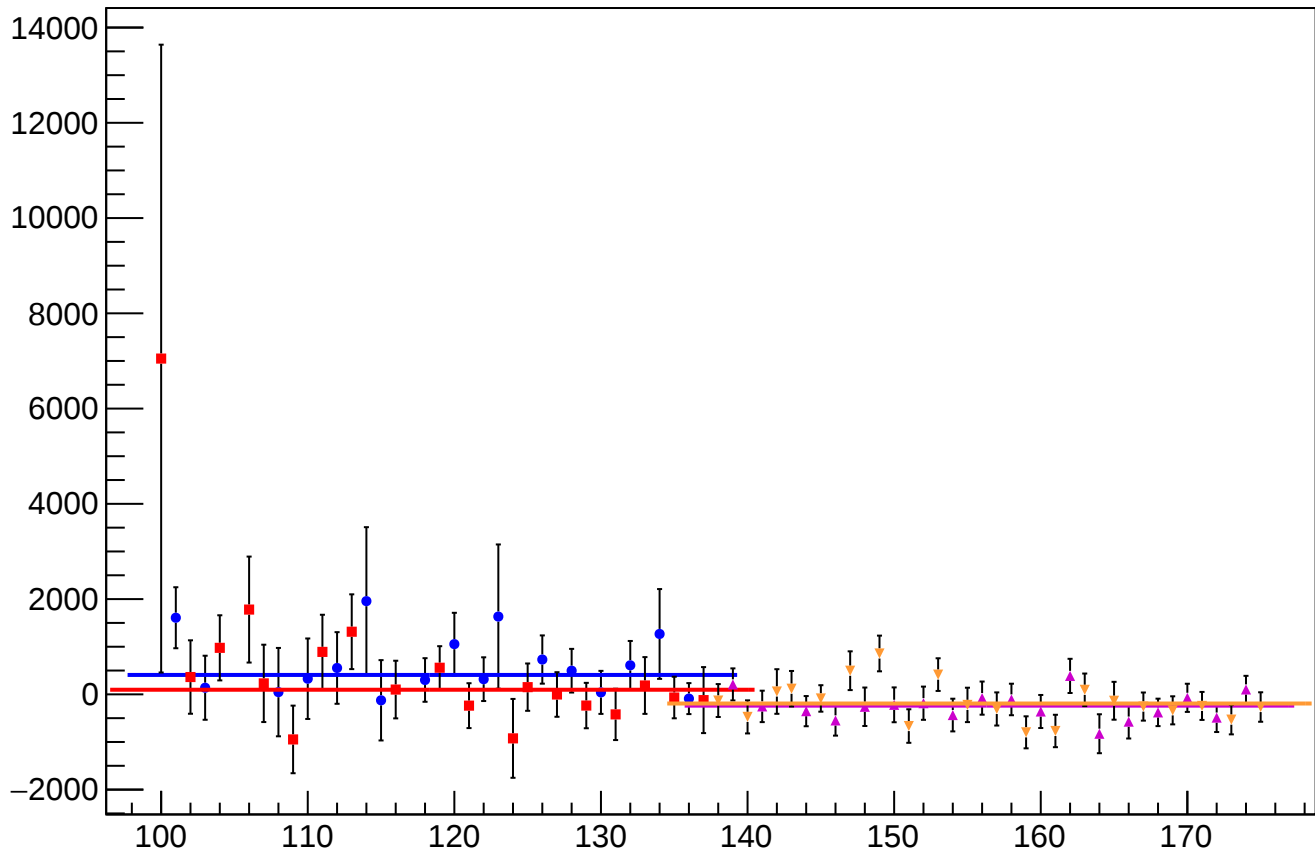
Right: 440.377+/-0.091 χ^2/NDF : 4068538.6/35

In: 360.973+/-0.058 χ^2/NDF : 3028309.7/34

Out: 366.753+/-0.057 χ^2/NDF : 3053825.7/38

All: 363.905+/-0.041 χ^2/NDF : 6087165.5/73

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 407.640+/-139.972 χ^2/NDF : 11.4/16

Left Out: -192.331+/-75.632 χ^2/NDF : 26.0/19

Right Out: 96.852+/-139.191 χ^2/NDF : 15.6/18

Left In: -236.844+/-78.520 χ^2/NDF : 12.3/17

Left: -213.754+/-54.472 χ^2/NDF : 38.5/37

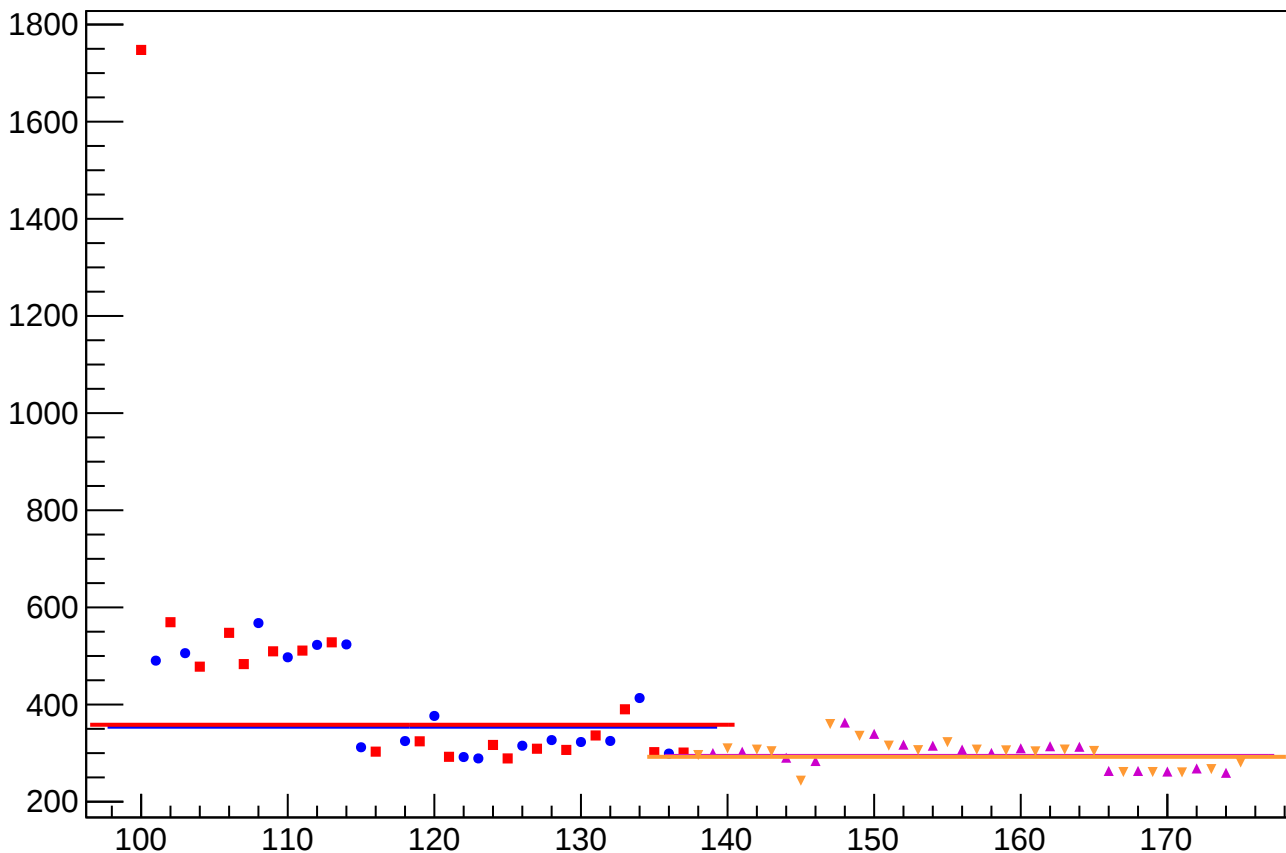
Right: 251.376+/-98.698 χ^2/NDF : 29.5/35

In: -82.578+/-68.481 χ^2/NDF : 39.9/34

Out: -126.412+/-66.455 χ^2/NDF : 44.9/38

All: -105.153+/-47.691 χ^2/NDF : 85.0/73

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 354.426+/-0.099 χ^2/NDF : 636260.3/16

Left Out: 292.381+/-0.053 χ^2/NDF :278620.1/19

Right Out: 358.422+/-0.098 χ^2/NDF : 879426.8/18

Left In: 294.242+/-0.056 χ^2/NDF :233903.0/17

Left: 293.277+/-0.039 χ^2/NDF : 513105.5/37

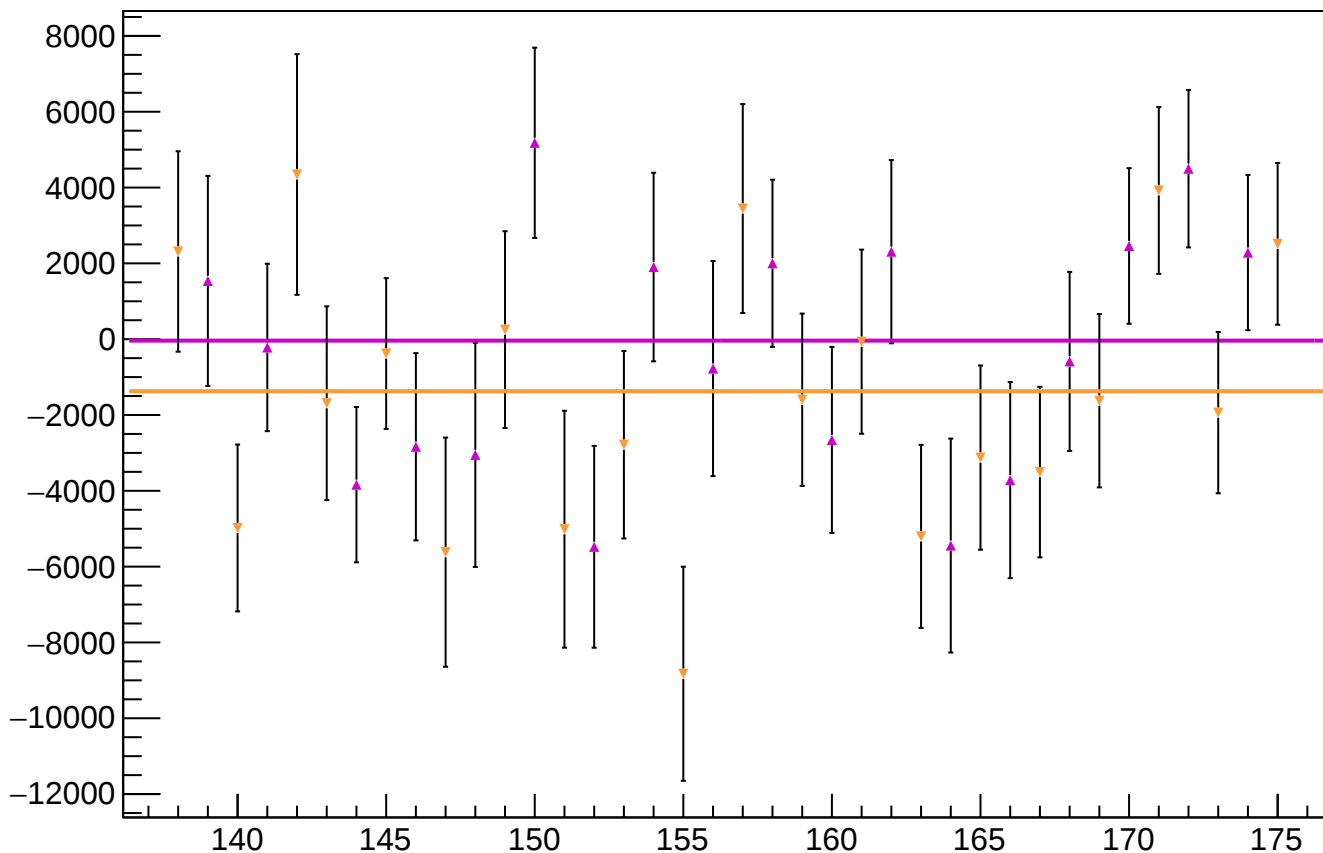
Right: 356.435+/-0.070 χ^2/NDF : 1516506.7/35

In: 308.648+/-0.048 χ^2/NDF :1151412.8/34

Out: 307.435+/-0.047 χ^2/NDF :1505644.2/38

All: 308.023+/-0.034 χ^2/NDF : 2657379.9/73

asym_sam2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1371.726+/-544.247 χ^2/NDF :35.6/19

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

Left In: -37.920+/-564.081 χ^2/NDF :31.5/17

Left: -728.684+/-391.665 χ^2/NDF : 70.0/37

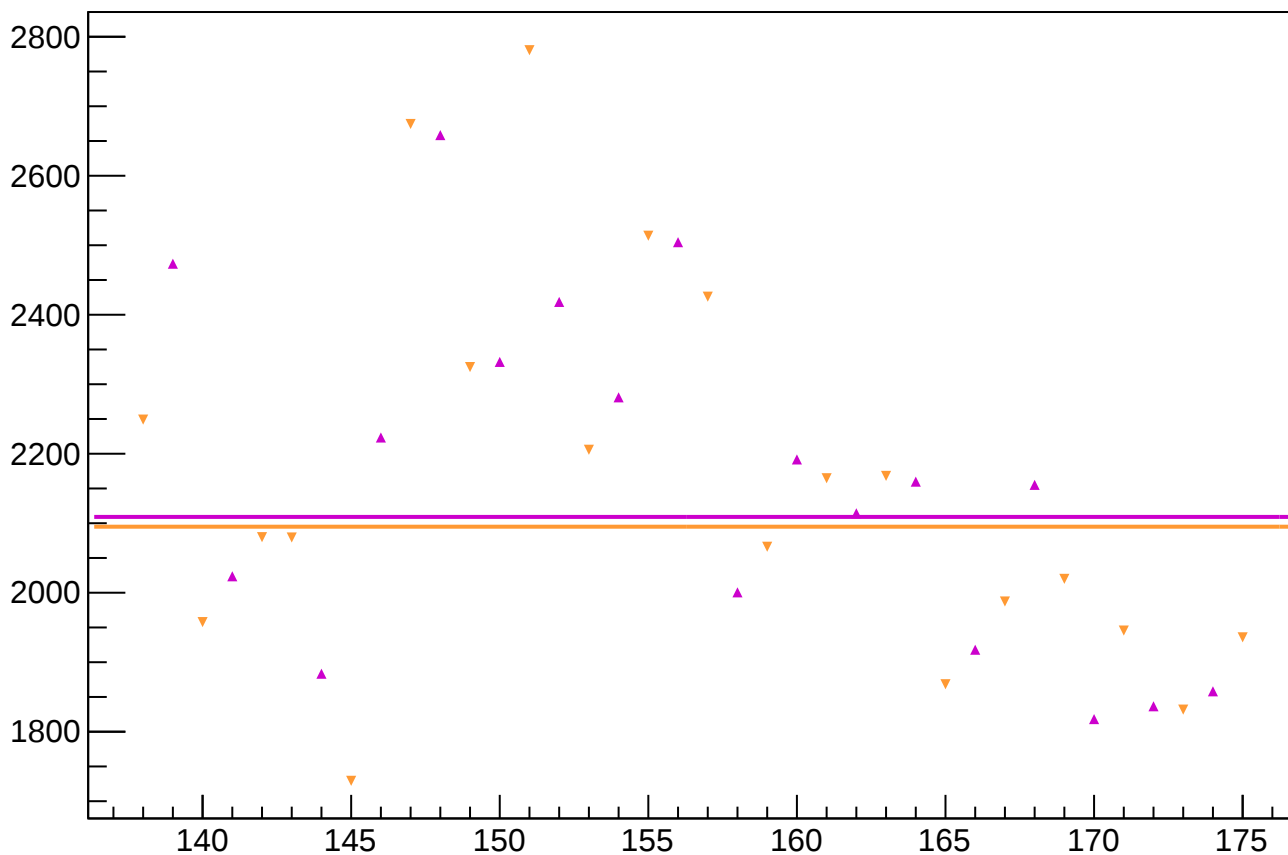
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -37.920+/-564.081 χ^2/NDF :31.5/17

Out: -1371.726+/-544.247 χ^2/NDF :35.6/19

All: -728.684+/-391.665 χ^2/NDF : 70.0/37

asym_sam2_correction_rms vs Slug, Sign Corrected



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

Left Out: 2095.001+/-0.385 χ^2/NDF :423569.2/19

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

Left In: 2109.091+/-0.399 χ^2/NDF :350497.3/17

Left: 2101.794+/-0.277 χ^2/NDF : 774712.8/37

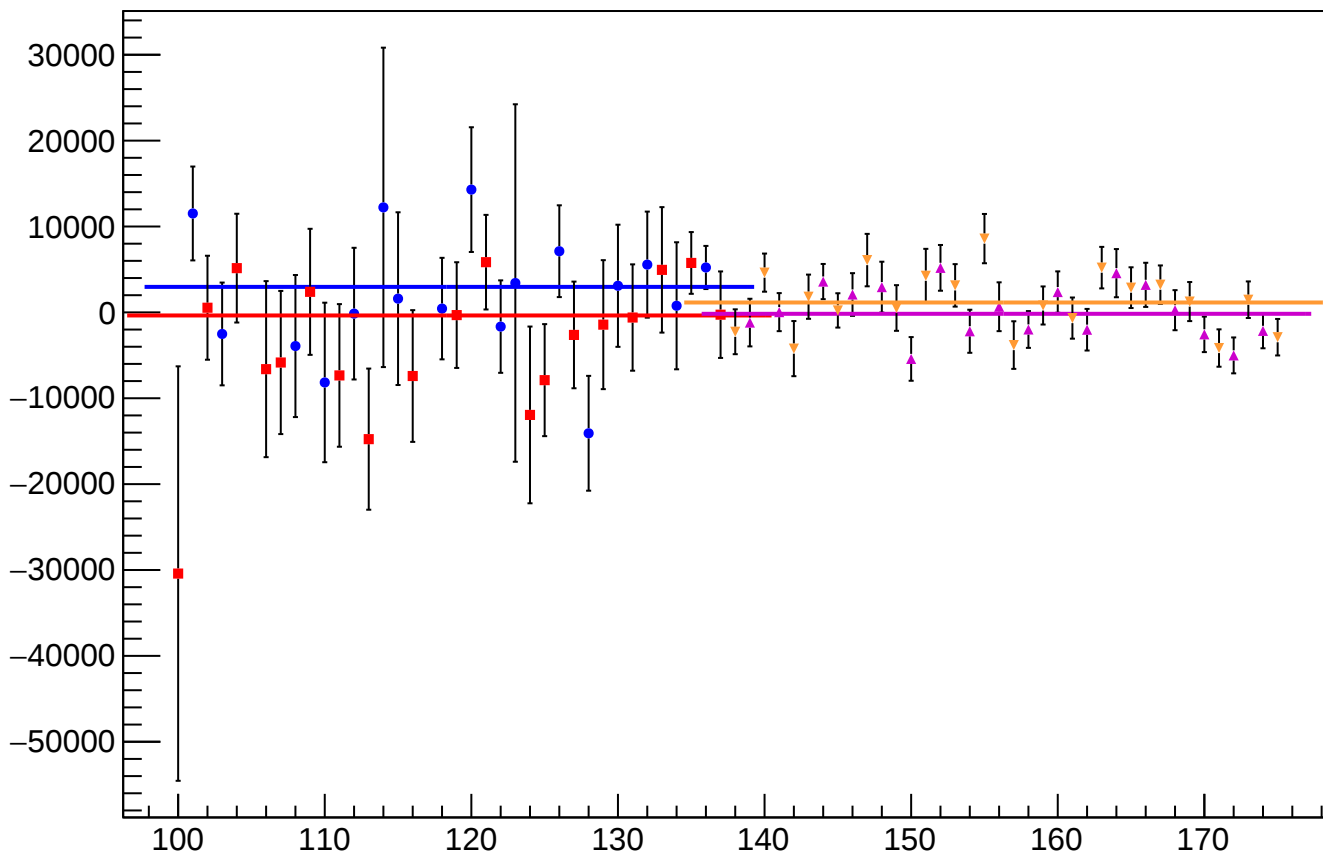
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2109.091+/-0.399 χ^2/NDF :350497.3/17

Out: 2095.001+/-0.385 χ^2/NDF :423569.2/19

All: 2101.794+/-0.277 χ^2/NDF : 774712.8/37

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2969.125+/-1440.489 χ^2/NDF : 17.4/16

Left Out: 1151.436+/-543.557 χ^2/NDF : 35.8/19

Right Out: -358.685+/-1507.064 χ^2/NDF : 15.3/18

Left In: -166.317+/-563.006 χ^2/NDF : 29.1/17

Left: 515.712+/-391.048 χ^2/NDF : 67.8/37

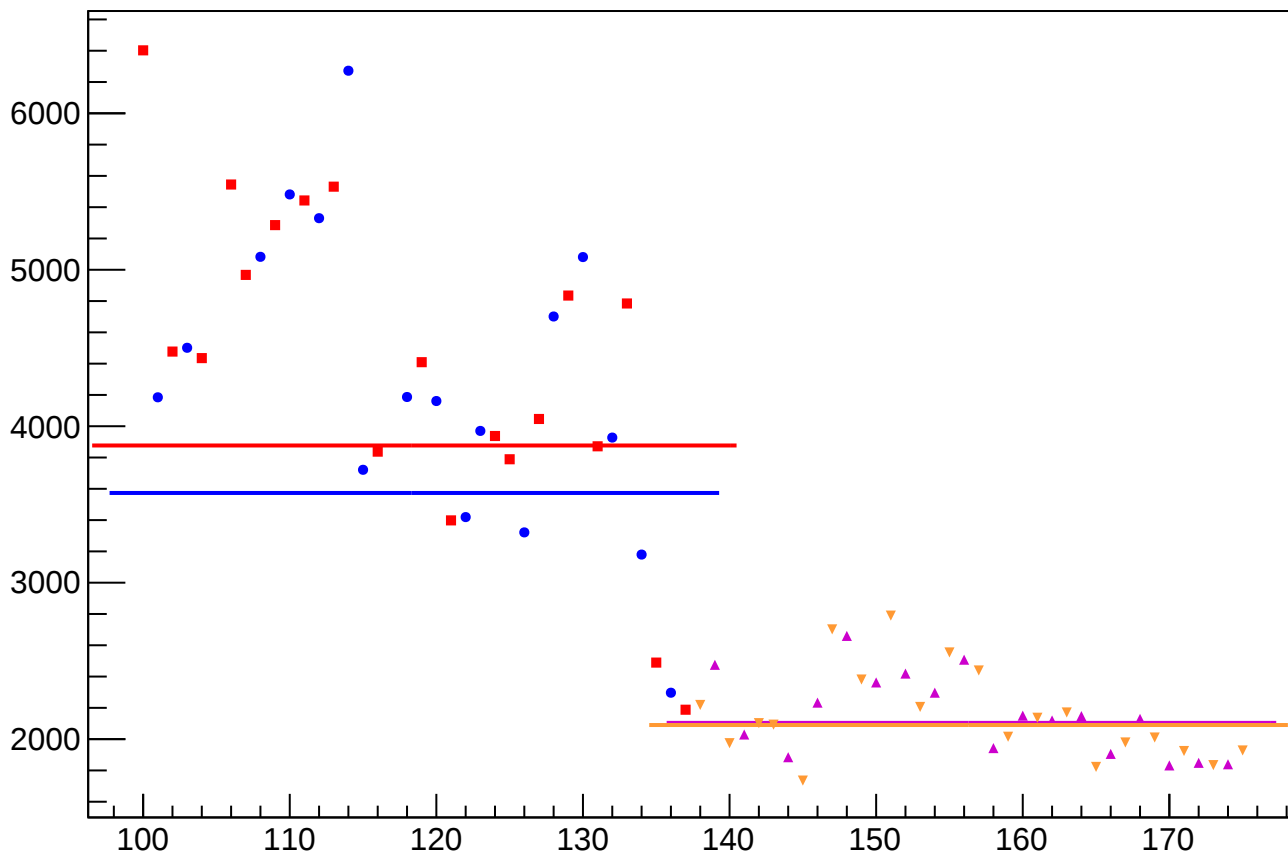
Right: 1380.346+/-1041.320 χ^2/NDF : 35.3/35

In: 249.178+/-524.377 χ^2/NDF : 50.6/34

Out: 977.605+/-511.317 χ^2/NDF : 52.1/38

All: 622.576+/-366.086 χ^2/NDF : 103.7/73

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3573.470+/-1.019 χ^2/NDF : 1088731.5/16

Left Out: 2090.308+/-0.384 χ^2/NDF : 455714.5/19

Right Out: 3876.914+/-1.066 χ^2/NDF : 988409.8/18

Left In: 2103.952+/-0.398 χ^2/NDF : 361065.7/17

Left: 2096.890+/-0.277 χ^2/NDF : 817388.2/37

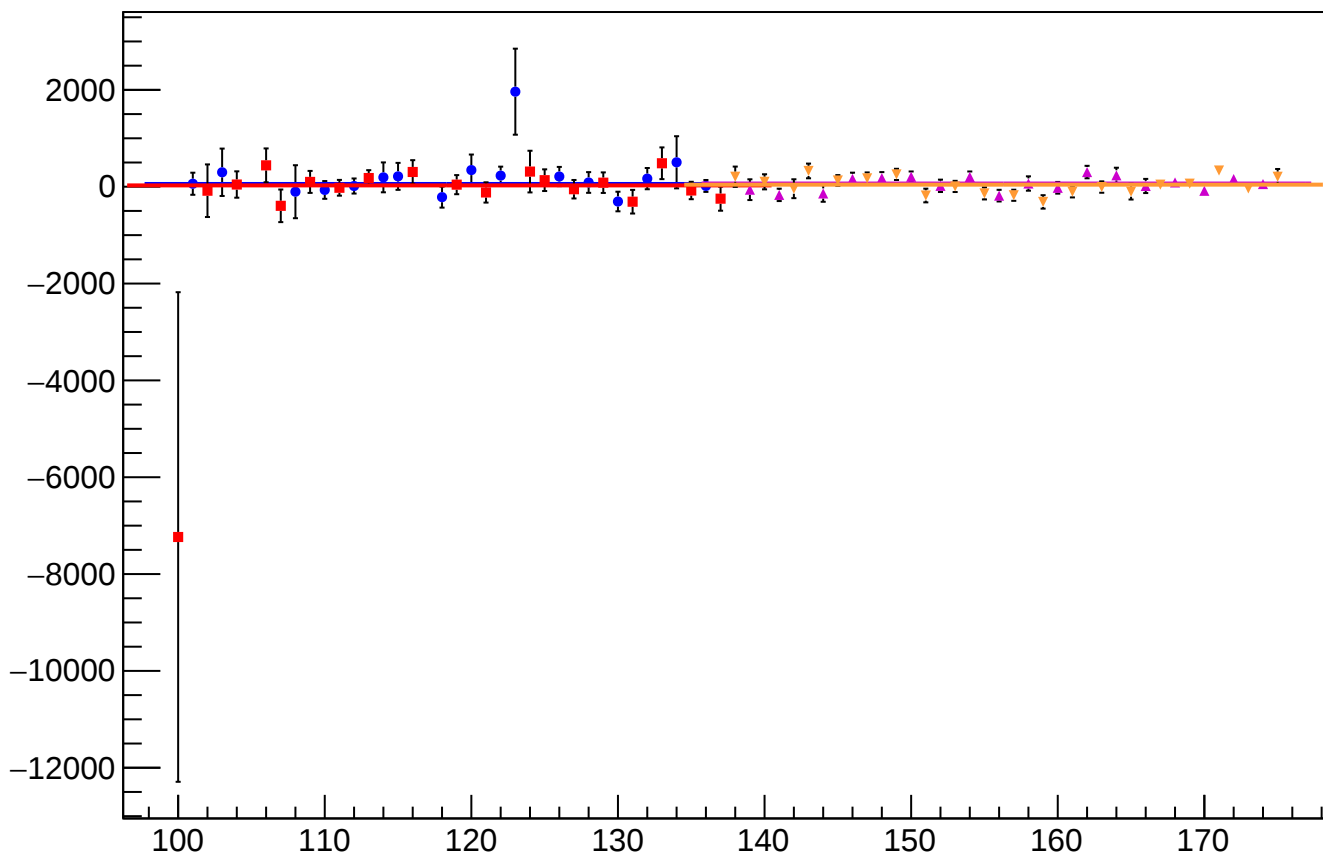
Right: 3718.342+/-0.736 χ^2/NDF : 2119512.7/35

In: 2298.686+/-0.371 χ^2/NDF : 3255397.1/34

Out: 2295.966+/-0.362 χ^2/NDF : 3931336.5/38

All: 2297.291+/-0.259 χ^2/NDF : 7186761.2/73

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 56.595+/-53.880 χ^2/NDF : 14.1/16

Left Out: 42.685+/-26.732 χ^2/NDF : 38.6/19

Right Out: 27.299+/-54.033 χ^2/NDF : 14.3/18

Left In: 65.623+/-27.572 χ^2/NDF : 23.1/17

Left: 53.800+/-19.193 χ^2/NDF : 62.1/37

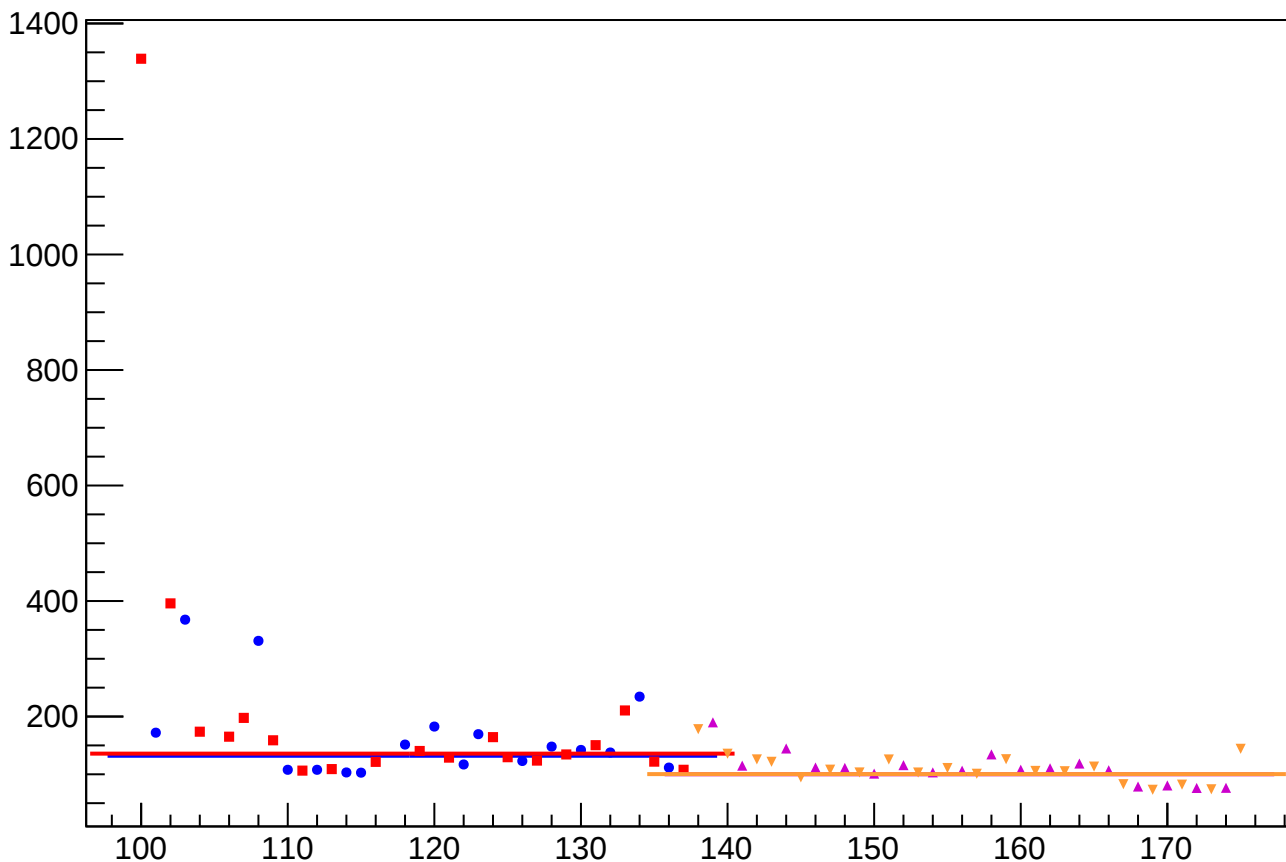
Right: 41.988+/-38.153 χ^2/NDF : 28.5/35

In: 63.749+/-24.545 χ^2/NDF : 37.2/34

Out: 39.660+/-23.960 χ^2/NDF : 52.9/38

All: 51.414+/-17.145 χ^2/NDF : 90.7/73

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 132.104 $\pm$ 0.038 χ^2 /NDF: 1144612.1/16

Left Out: 100.317 $\pm$ 0.019 χ^2 /NDF: 1329230.9/19

Right Out: 135.773 $\pm$ 0.038 χ^2 /NDF: 1009635.6/18

Left In: 100.020 $\pm$ 0.019 χ^2 /NDF: 1250713.4/17

Left: 100.173 $\pm$ 0.014 χ^2 /NDF: 2580064.3/37

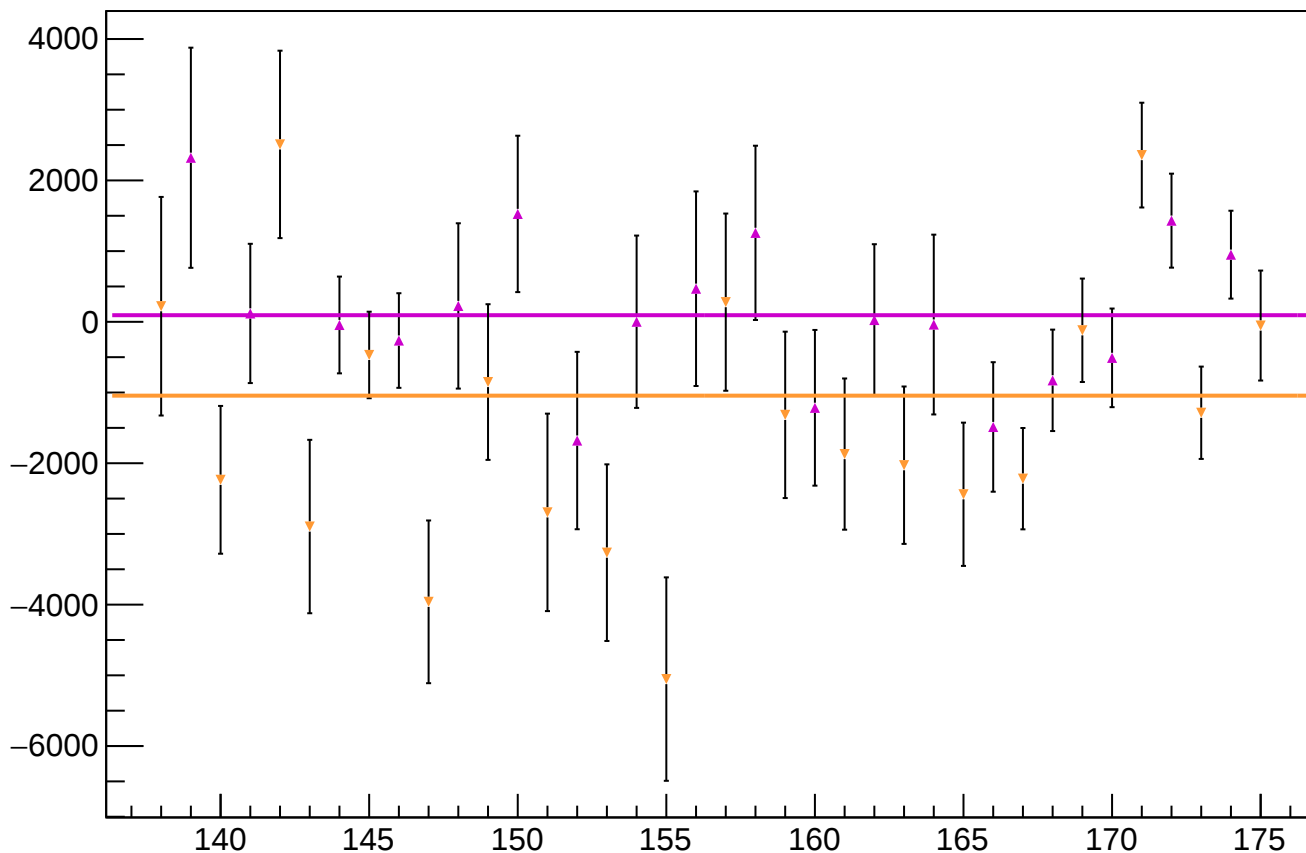
Right: 133.933 $\pm$ 0.027 χ^2 /NDF: 2158872.4/35

In: 106.678 $\pm$ 0.017 χ^2 /NDF: 2957322.7/34

Out: 107.289 $\pm$ 0.017 χ^2 /NDF: 3030691.8/38

All: 106.991 $\pm$ 0.012 χ^2 /NDF: 5988650.1/73

asym_sam3_correction_mean vs Slug, Sign Corrected



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

Left Out: -1044.208+/-212.681 χ^2/NDF :62.7/19

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

Left In: 93.681+/-212.175 χ^2/NDF :19.8/17

Left: -473.909+/-150.209 χ^2/NDF : 96.8/37

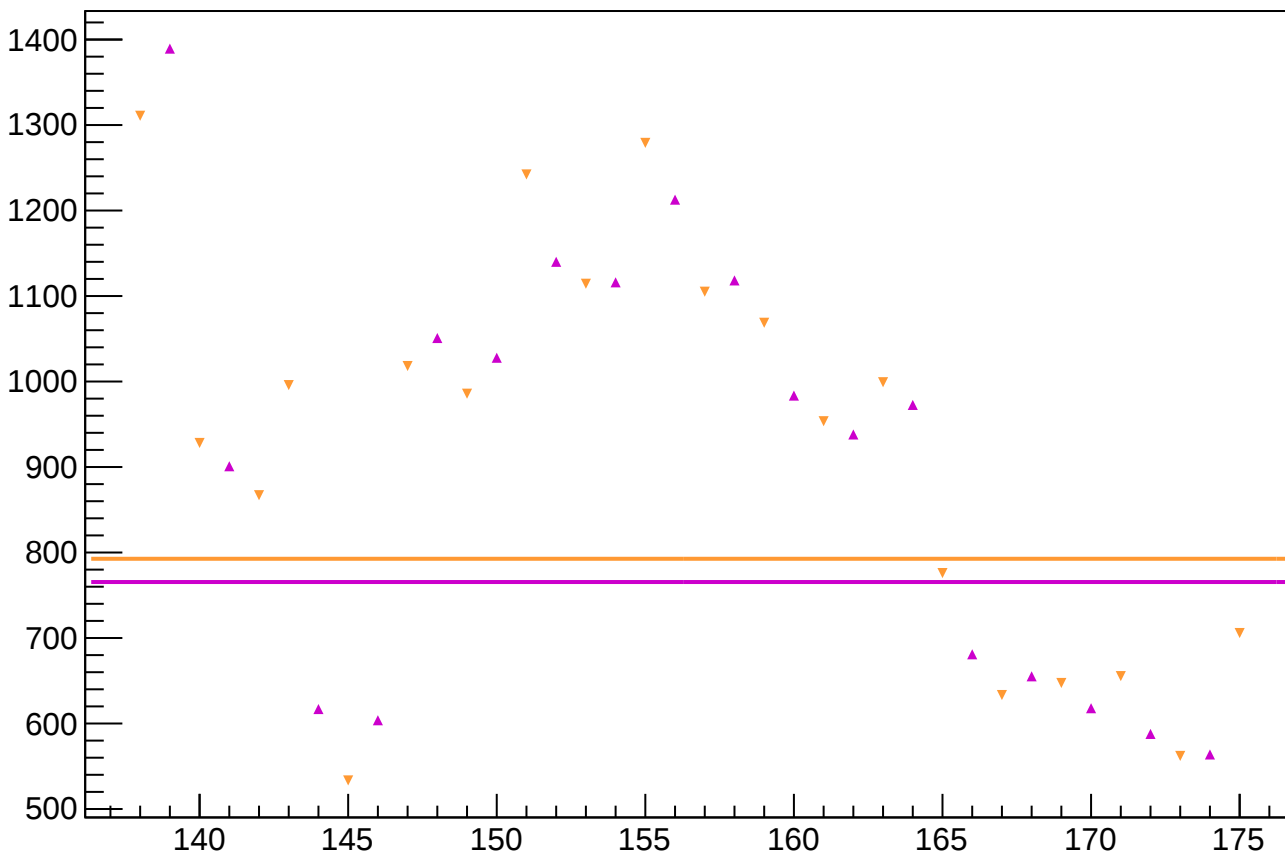
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 93.681+/-212.175 χ^2/NDF :19.8/17

Out: -1044.208+/-212.681 χ^2/NDF :62.7/19

All: -473.909+/-150.209 χ^2/NDF : 96.8/37

asym_sam3_correction_rms vs Slug, Sign Corrected



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

Left Out: 792.680+/-0.150 χ^2/NDF :2255333.9/19

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

Left In: 765.478+/-0.150 χ^2/NDF :2211417.4/17

Left: 779.047+/-0.106 χ^2/NDF : 4483148.6/37

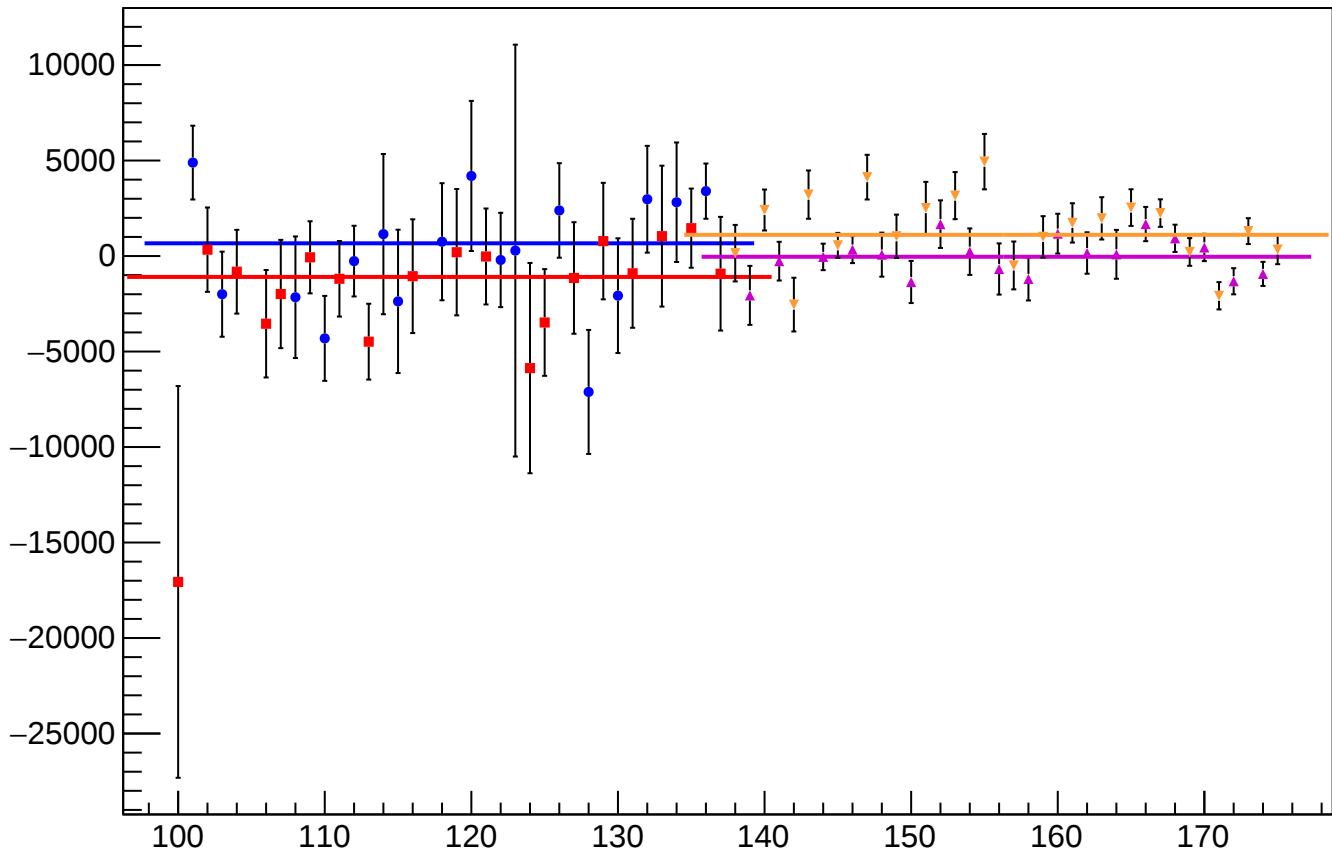
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 765.478+/-0.150 χ^2/NDF :2211417.4/17

Out: 792.680+/-0.150 χ^2/NDF :2255333.9/19

All: 779.047+/-0.106 χ^2/NDF : 4483148.6/37

asym_sam3_mean vs Slug, Sign Corrected



Right In: 666.453+/-618.839 χ^2/NDF : 25.6/16

Left Out: 1110.101+/-213.165 χ^2/NDF : 59.5/19

Right Out: -1094.278+/-602.639 χ^2/NDF : 11.0/18

Left In: -37.517+/-213.727 χ^2/NDF : 19.6/17

Left: 537.801+/-150.929 χ^2/NDF : 93.5/37

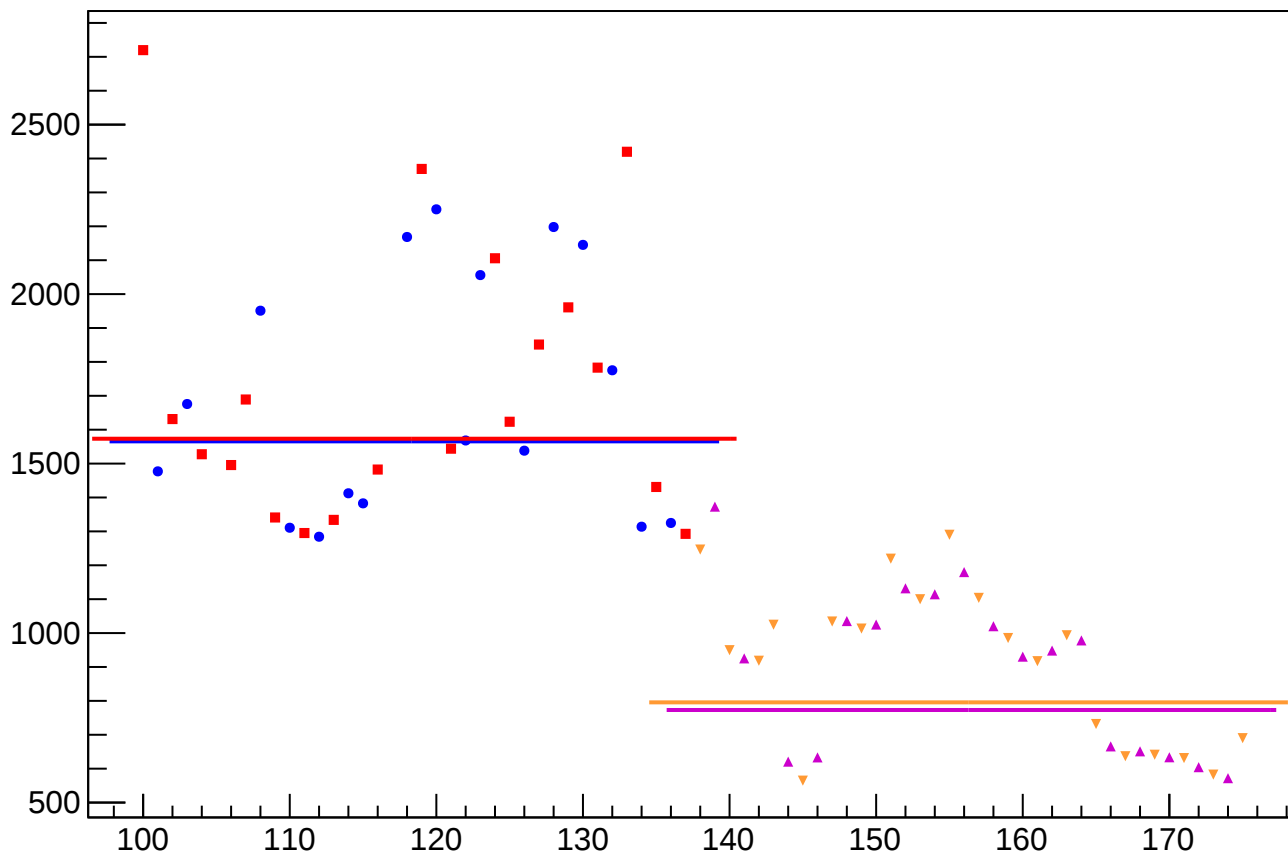
Right: -237.260+/-431.744 χ^2/NDF : 40.8/35

In: 37.504+/-202.018 χ^2/NDF : 46.4/34

Out: 864.965+/-200.964 χ^2/NDF : 82.4/38

All: 453.399+/-142.474 χ^2/NDF : 137.2/73

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1565.623+/-0.438 χ^2/NDF : 490790.2/16

Left Out: 795.608+/-0.151 χ^2/NDF : 2075005.4/19

Right Out: 1573.366+/-0.426 χ^2/NDF : 462040.3/18

Left In: 773.082+/-0.151 χ^2/NDF : 1970397.6/17

Left: 784.374+/-0.107 χ^2/NDF : 4056541.2/37

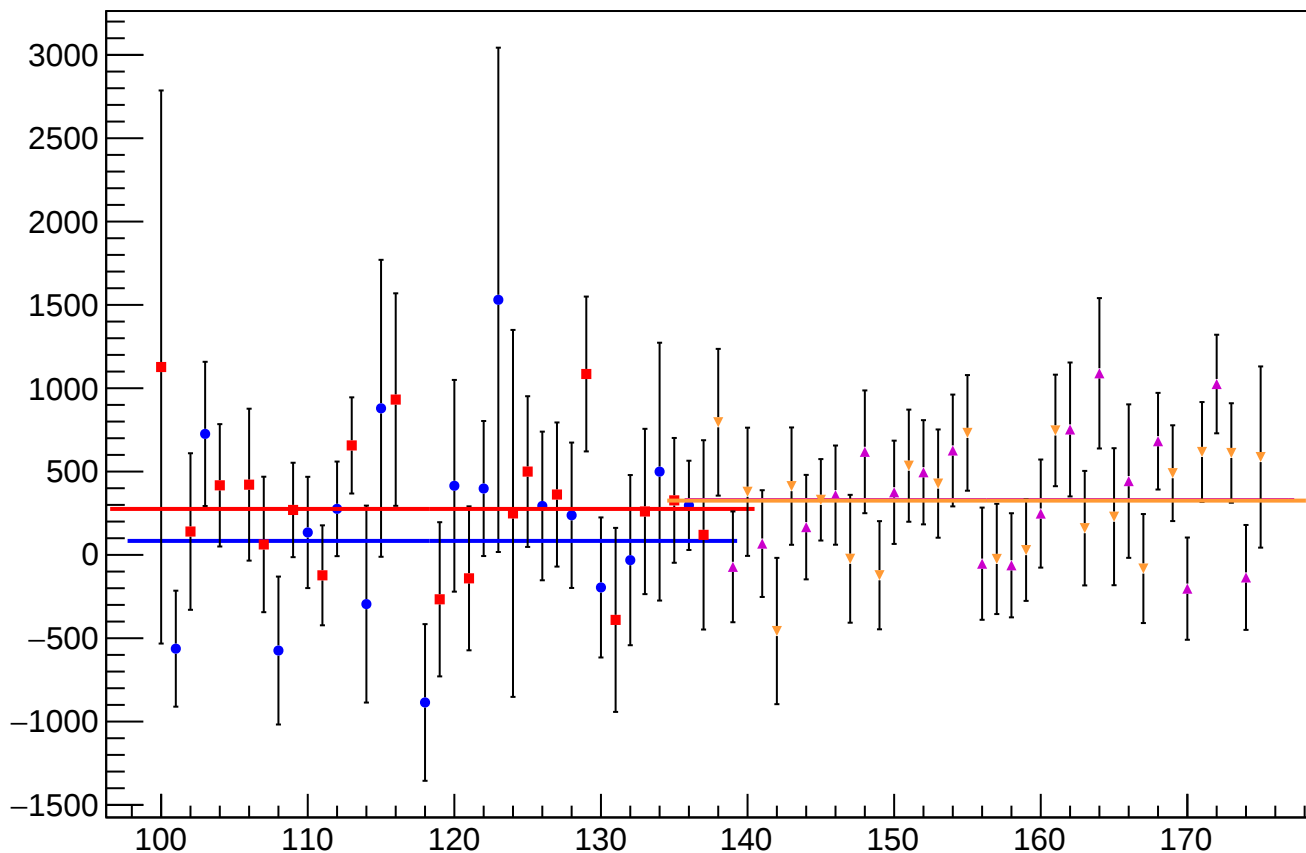
Right: 1569.597+/-0.305 χ^2/NDF : 952991.2/35

In: 857.541+/-0.143 χ^2/NDF : 5391945.2/34

Out: 882.098+/-0.142 χ^2/NDF : 5497821.7/38

All: 869.883+/-0.101 χ^2/NDF : 10904621.2/73

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 83.935 $\pm$ 103.619 χ^2 /NDF: 17.3/16

Left Out: 325.749 $\pm$ 75.526 χ^2 /NDF:16.9/19

Right Out: 275.803 $\pm$ 97.798 χ^2 /NDF: 12.6/18

Left In: 329.312 $\pm$ 77.701 χ^2 /NDF:23.2/17

Left: 327.480 $\pm$ 54.157 χ^2 /NDF: 40.2/37

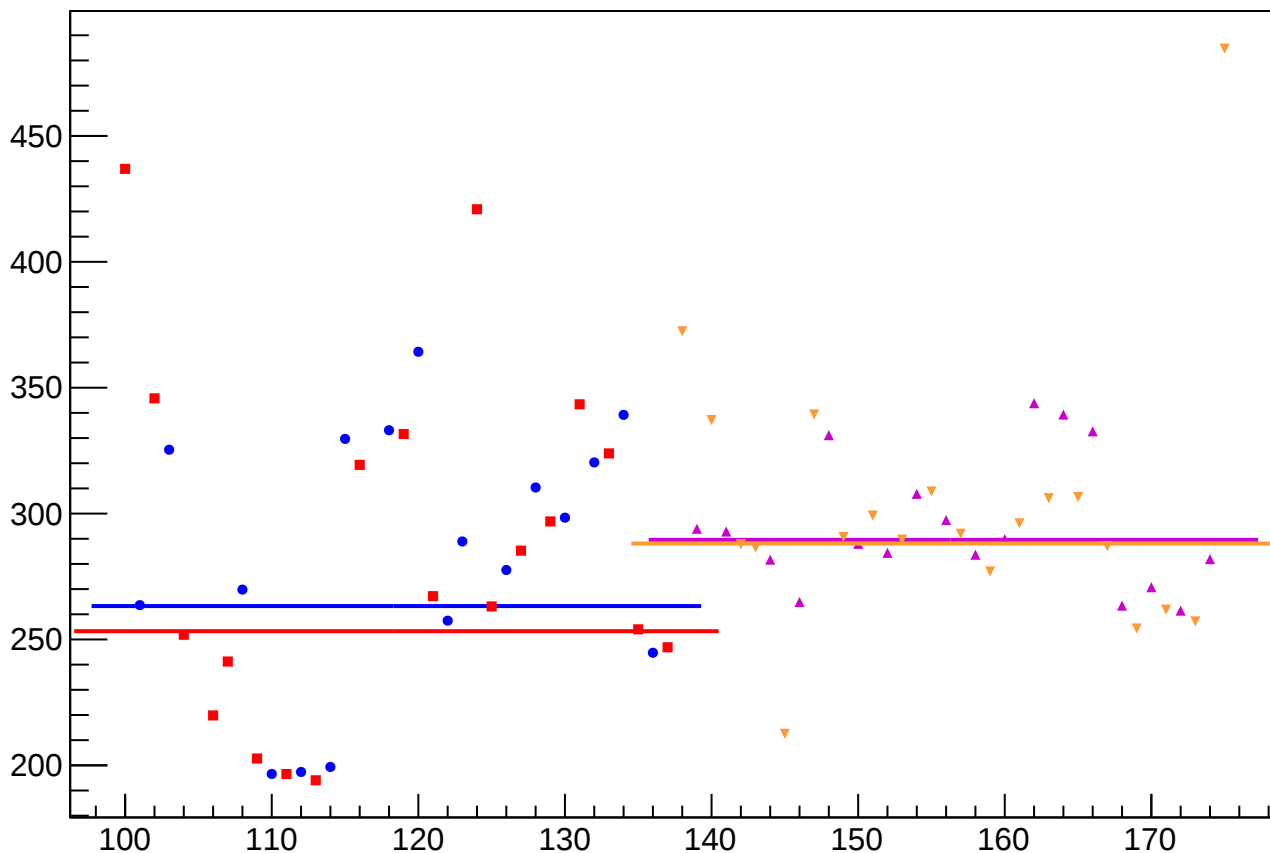
Right: 185.409 $\pm$ 71.122 χ^2 /NDF: 31.8/35

In: 240.996 $\pm$ 62.164 χ^2 /NDF:44.2/34

Out: 307.090 $\pm$ 59.776 χ^2 /NDF:29.7/38

All: 275.337 $\pm$ 43.088 χ^2 /NDF: 74.5/73

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 263.262 $\pm$ 0.073 χ^2 /NDF: 452757.7/16

Left Out: 288.101 $\pm$ 0.053 χ^2 /NDF: 682115.5/19

Right Out: 253.283 $\pm$ 0.069 χ^2 /NDF: 585121.8/18

Left In: 289.567 $\pm$ 0.055 χ^2 /NDF: 170787.0/17

Left: 288.814 $\pm$ 0.038 χ^2 /NDF: 853268.4/37

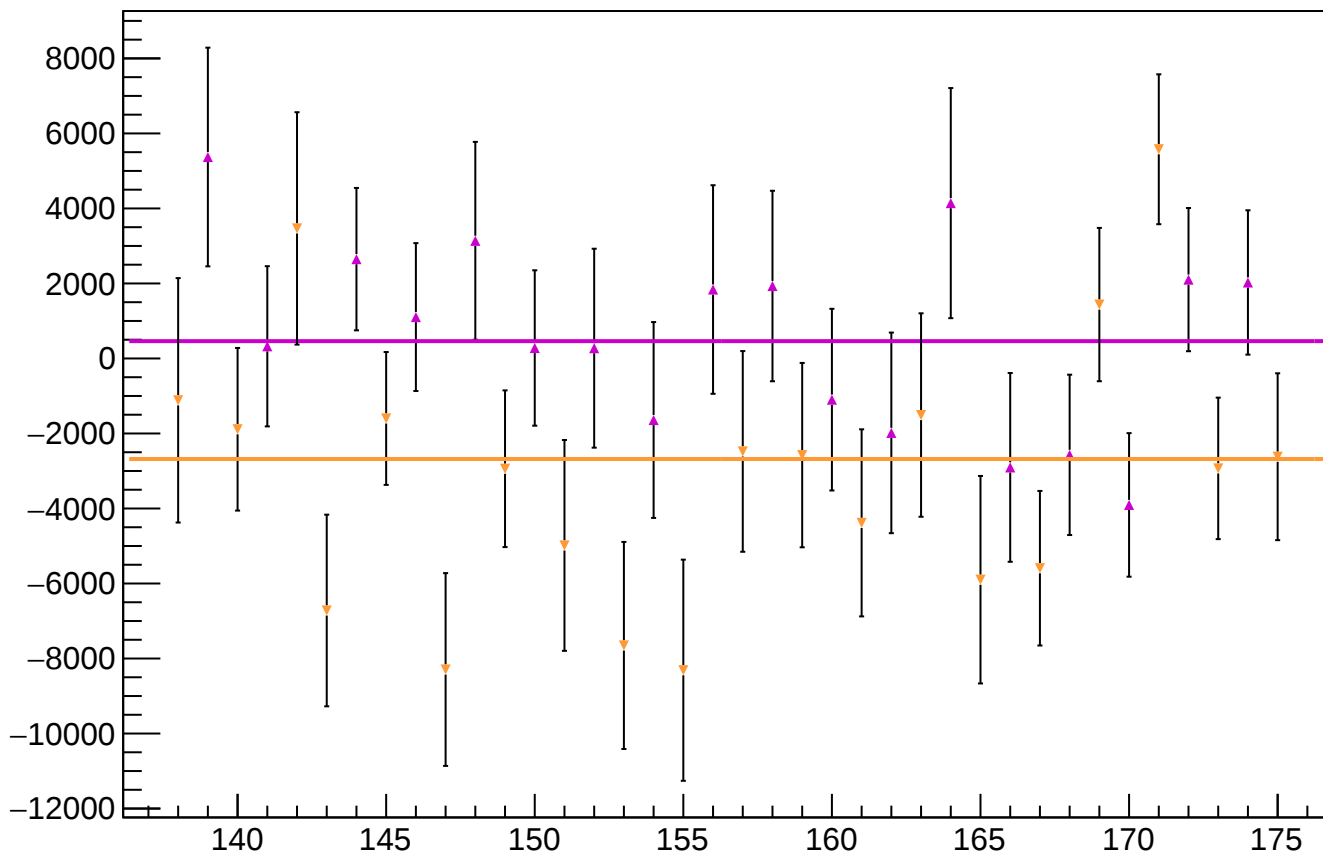
Right: 257.985 $\pm$ 0.050 χ^2 /NDF: 1047690.7/35

In: 280.100 $\pm$ 0.044 χ^2 /NDF: 706045.4/34

Out: 275.094 $\pm$ 0.042 χ^2 /NDF: 1426036.6/38

All: 277.499 $\pm$ 0.030 χ^2 /NDF: 2138820.5/73

asym_sam4_correction_mean vs Slug, Sign Corrected



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

Left Out: -2679.980+/-528.697 χ^2/NDF :44.7/19

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

Left In: 462.155+/-539.767 χ^2/NDF :19.6/17

Left: -1141.465+/-377.698 χ^2/NDF : 81.6/37

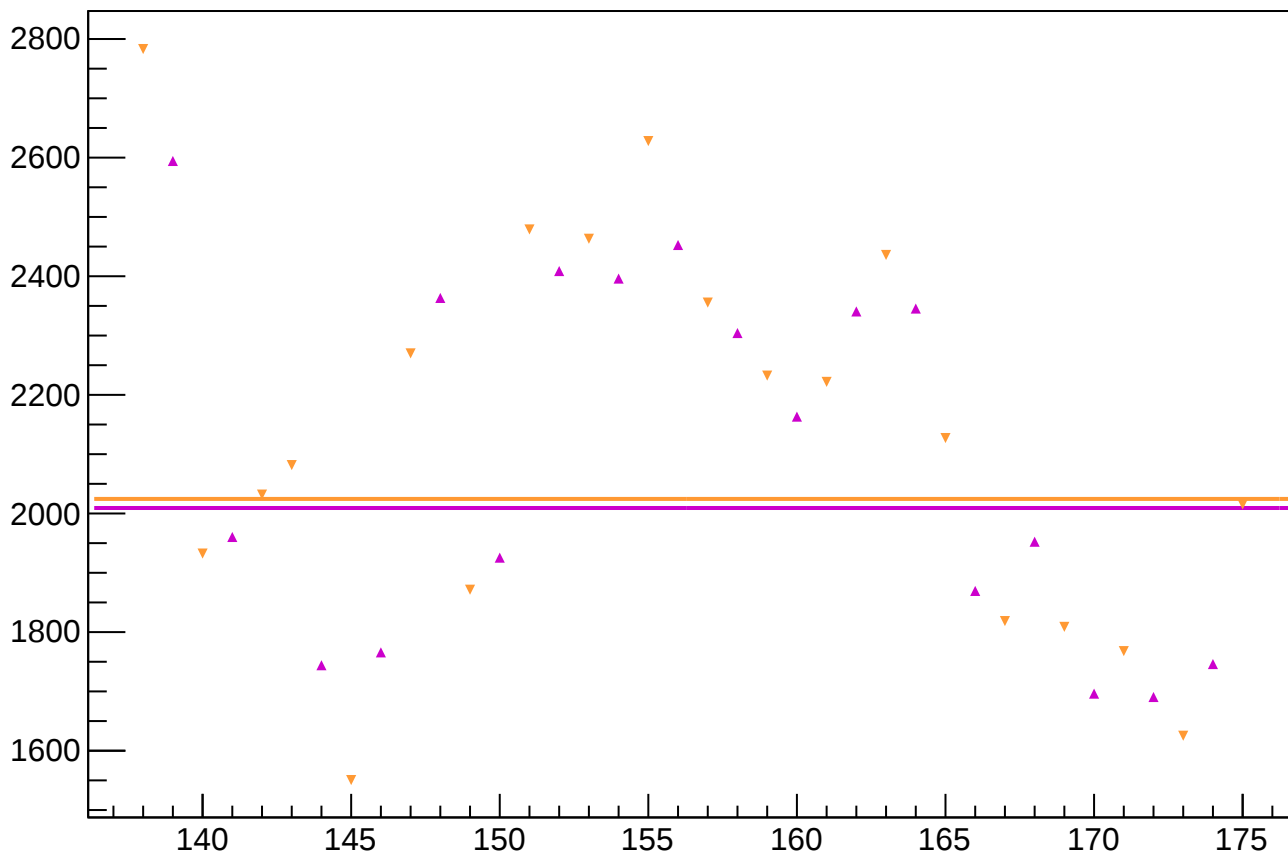
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 462.155+/-539.767 χ^2/NDF :19.6/17

Out: -2679.980+/-528.697 χ^2/NDF :44.7/19

All: -1141.465+/-377.698 χ^2/NDF : 81.6/37

asym_sam4_correction_rms vs Slug, Sign Corrected



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

Left Out: 2024.559+/-0.374 χ^2/NDF : 742820.1/19

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

Left In: 2009.242+/-0.382 χ^2/NDF : 574603.8/17

Left: 2017.059+/-0.267 χ^2/NDF : 1318245.9/37

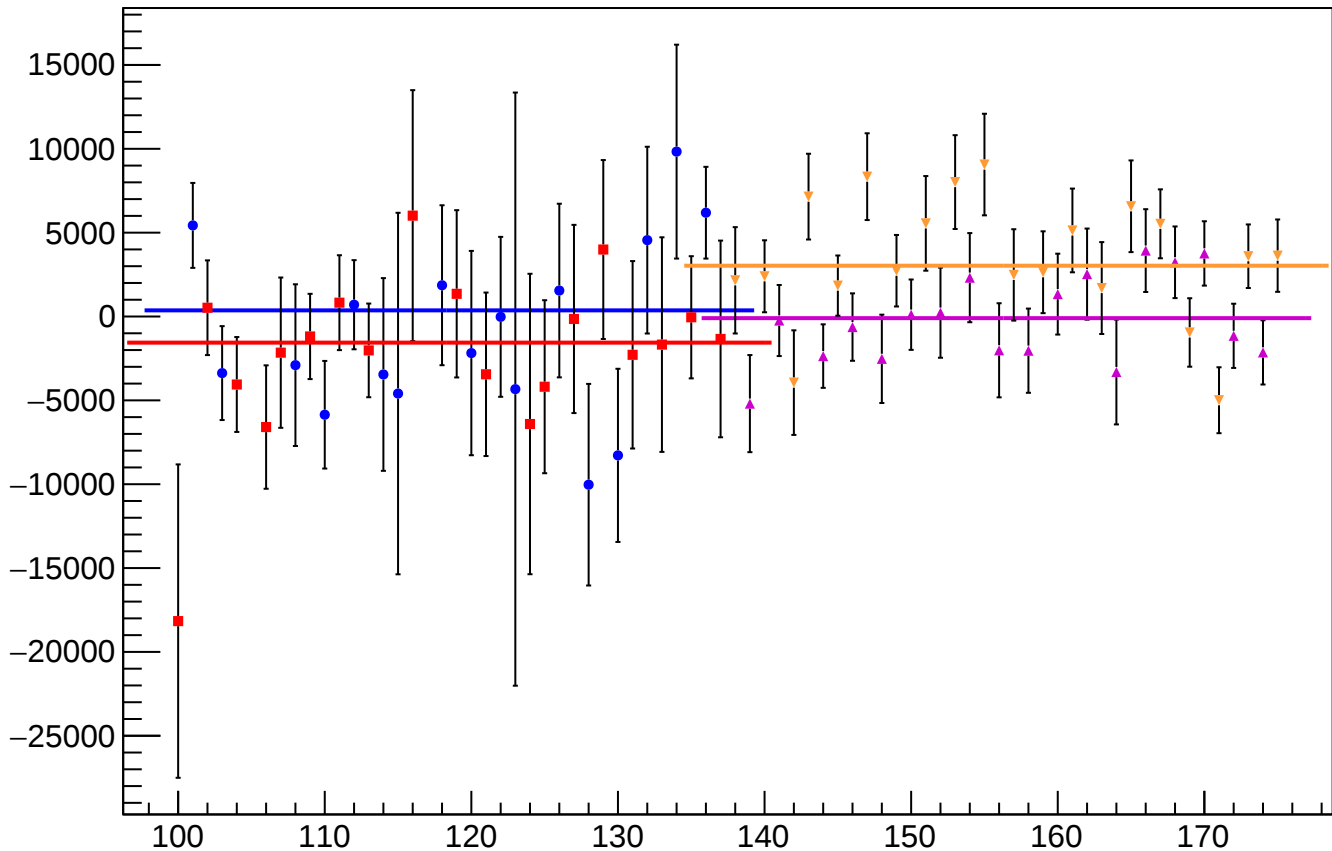
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2009.242+/-0.382 χ^2/NDF : 574603.8/17

Out: 2024.559+/-0.374 χ^2/NDF : 742820.1/19

All: 2017.059+/-0.267 χ^2/NDF : 1318245.9/37

asym_sam4_mean vs Slug, Sign Corrected



Right In: 366.454 ± 992.480 χ^2/NDF : 24.2/16

Left Out: 3030.014 ± 529.010 χ^2/NDF : 45.2/19

Right Out: -1557.388 ± 924.003 χ^2/NDF : 10.5/18

Left In: -97.748 ± 541.065 χ^2/NDF : 20.3/17

Left: 1501.364 ± 378.257 χ^2/NDF : 82.5/37

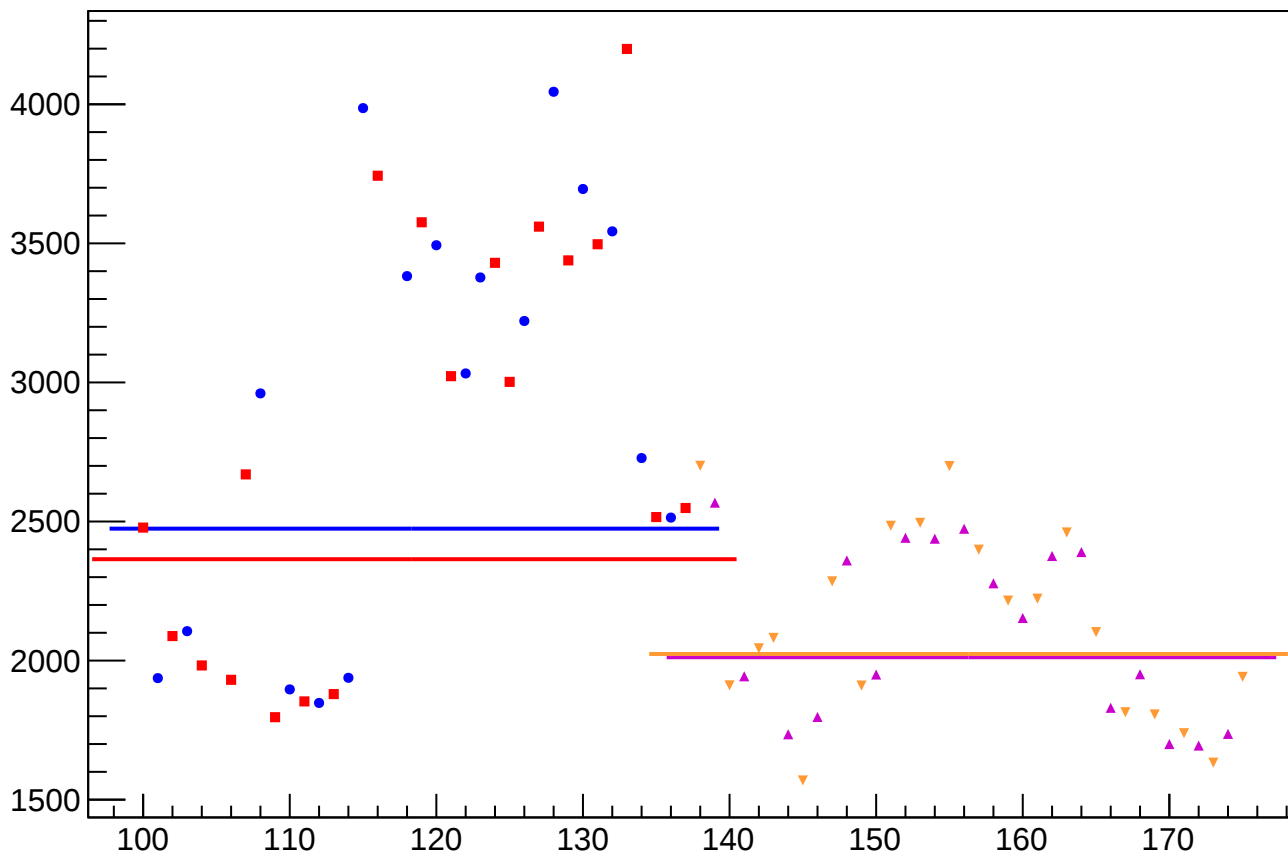
Right: -664.120 ± 676.282 χ^2/NDF : 36.7/35

In: 8.606 ± 475.056 χ^2/NDF : 44.6/34

Out: 1897.555 ± 459.093 χ^2/NDF : 74.3/38

All: 985.350 ± 330.127 χ^2/NDF : 127.1/73

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2474.389 $\pm$ 0.702 χ^2/NDF : 906262.1/16

Left Out: 2023.754 $\pm$ 0.374 χ^2/NDF : 750603.0/19

Right Out: 2364.507 $\pm$ 0.653 χ^2/NDF : 1023402.8/18

Left In: 2012.045 $\pm$ 0.383 χ^2/NDF : 591077.5/17

Left: 2018.031 $\pm$ 0.267 χ^2/NDF : 1342159.3/37

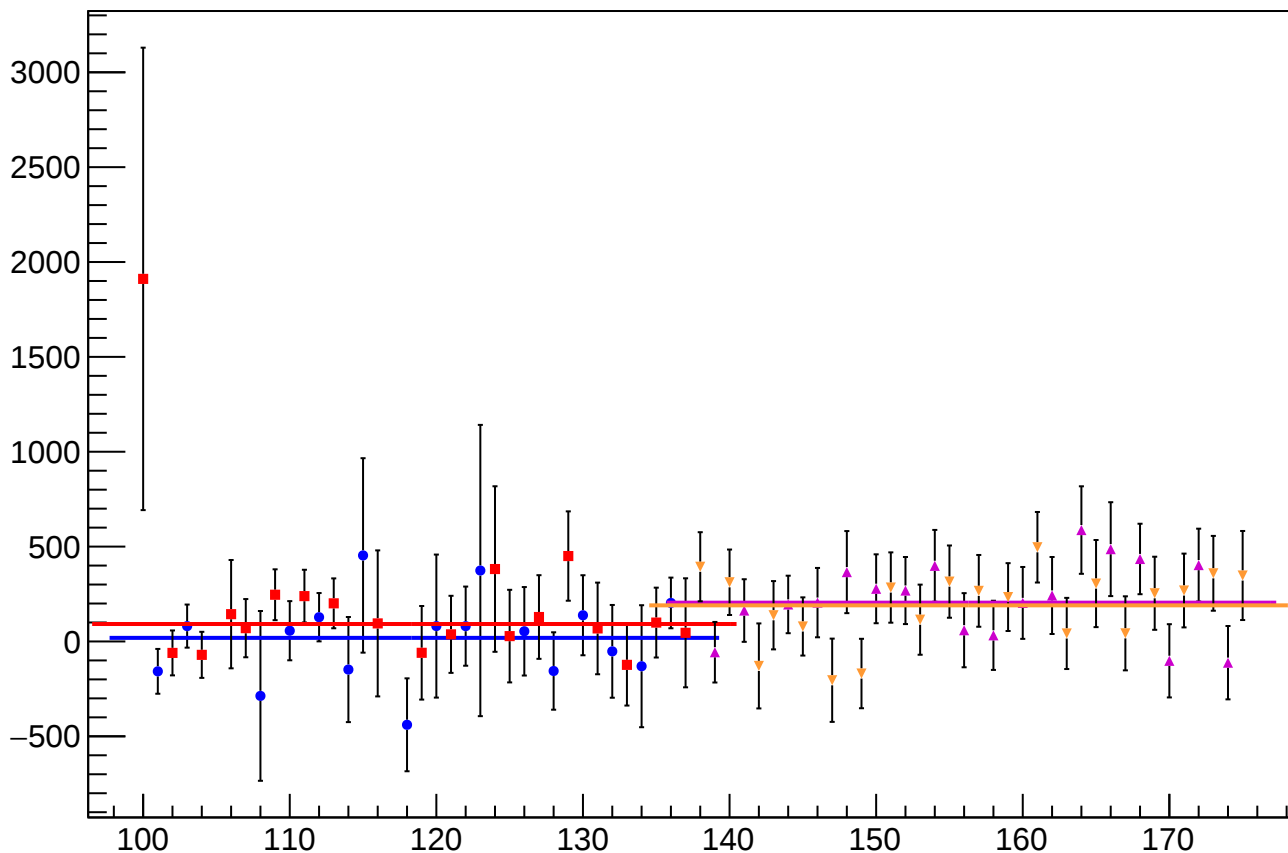
Right: 2415.527 $\pm$ 0.478 χ^2/NDF : 1942797.3/35

In: 2117.973 $\pm$ 0.336 χ^2/NDF : 1831925.6/34

Out: 2107.873 $\pm$ 0.325 χ^2/NDF : 1978856.6/38

All: 2112.751 $\pm$ 0.233 χ^2/NDF : 3811249.6/73

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 18.930 ± 46.147 $\chi^2/\text{NDF}: 12.0/16$

Left Out: 190.319 ± 42.534 $\chi^2/\text{NDF}: 18.2/19$

Right Out: 91.993 ± 42.693 $\chi^2/\text{NDF}: 13.2/18$

Left In: 204.486 ± 44.093 $\chi^2/\text{NDF}: 18.0/17$

Left: 197.148 ± 30.612 $\chi^2/\text{NDF}: 36.2/37$

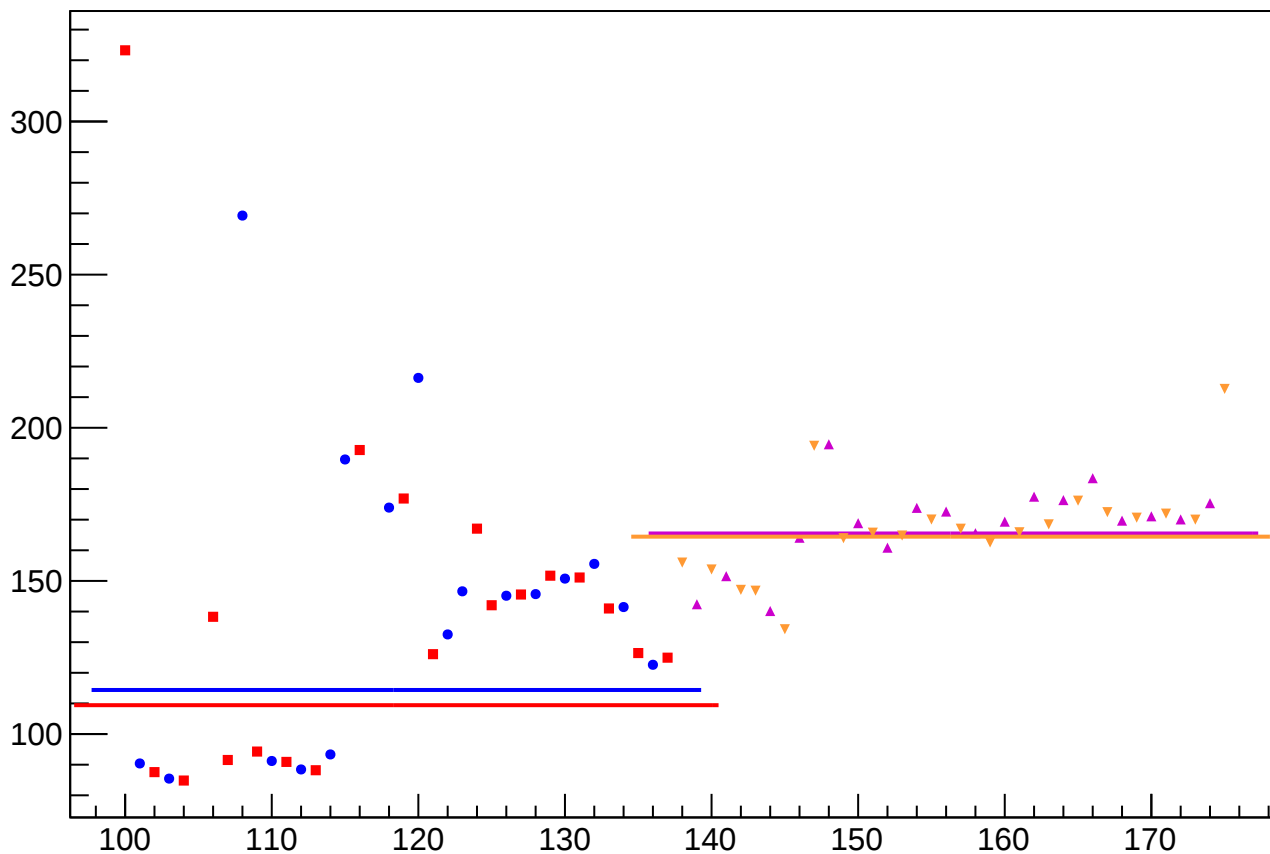
Right: 58.298 ± 31.339 $\chi^2/\text{NDF}: 26.5/35$

In: 115.931 ± 31.880 $\chi^2/\text{NDF}: 38.4/34$

Out: 141.340 ± 30.132 $\chi^2/\text{NDF}: 34.0/38$

All: 129.351 ± 21.899 $\chi^2/\text{NDF}: 72.8/73$

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 114.391 $\pm$ 0.033 χ^2/NDF : 1136702.0/16

Left Out: 164.451 $\pm$ 0.030 χ^2/NDF : 260690.9/19

Right Out: 109.428 $\pm$ 0.030 χ^2/NDF : 944386.0/18

Left In: 165.488 $\pm$ 0.031 χ^2/NDF : 189008.5/17

Left: 164.951 $\pm$ 0.022 χ^2/NDF : 450273.0/37

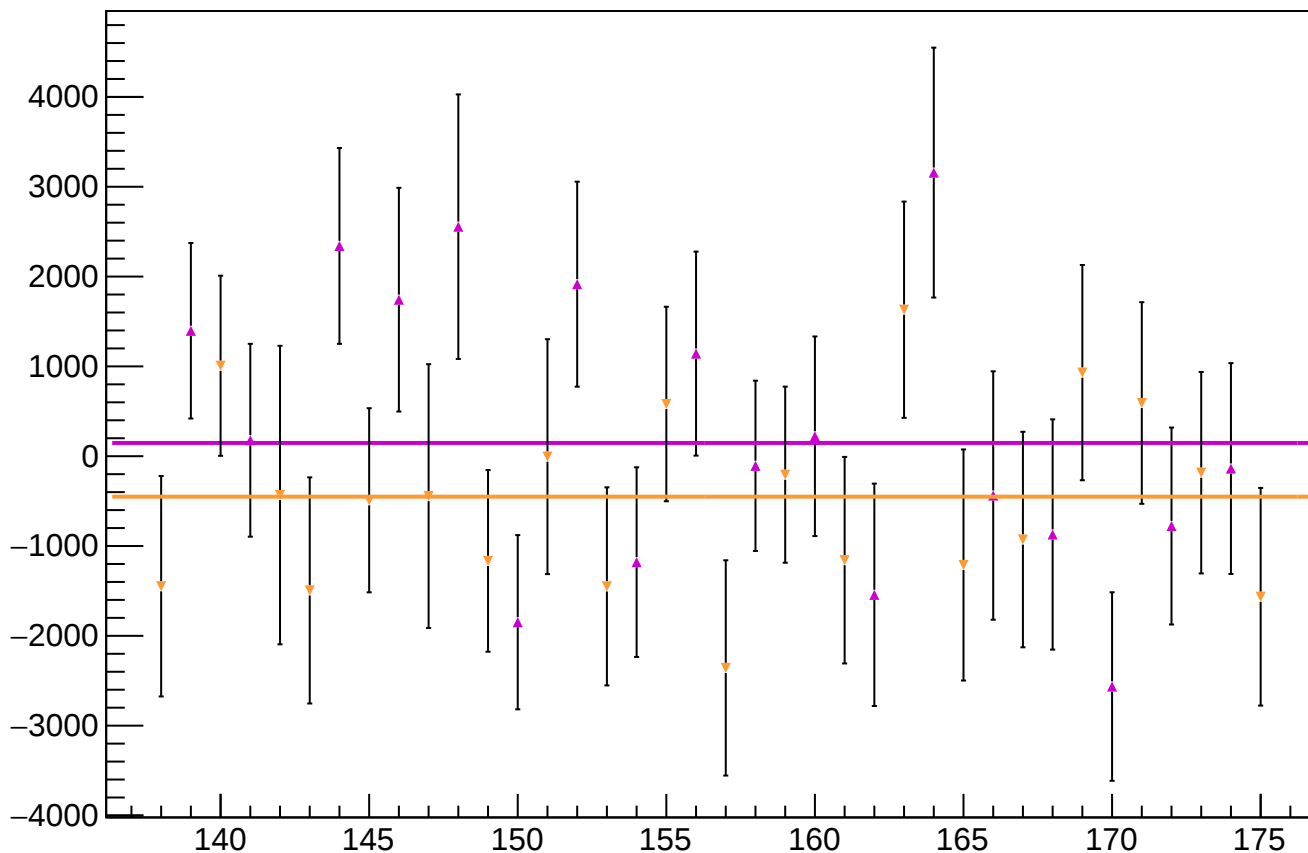
Right: 111.717 $\pm$ 0.022 χ^2/NDF : 2093555.7/35

In: 141.103 $\pm$ 0.023 χ^2/NDF : 2607535.4/34

Out: 137.042 $\pm$ 0.021 χ^2/NDF : 2872264.8/38

All: 138.958 $\pm$ 0.015 χ^2/NDF : 5496937.8/73

asym_sam5_correction_mean vs Slug, Sign Corrected



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

Left Out: -450.556 $\pm$ 260.355 χ^2 /NDF:15.4/19

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

Left In: 147.537 $\pm$ 266.738 χ^2 /NDF:33.9/17

Left: -158.751 $\pm$ 186.315 χ^2 /NDF: 51.8/37

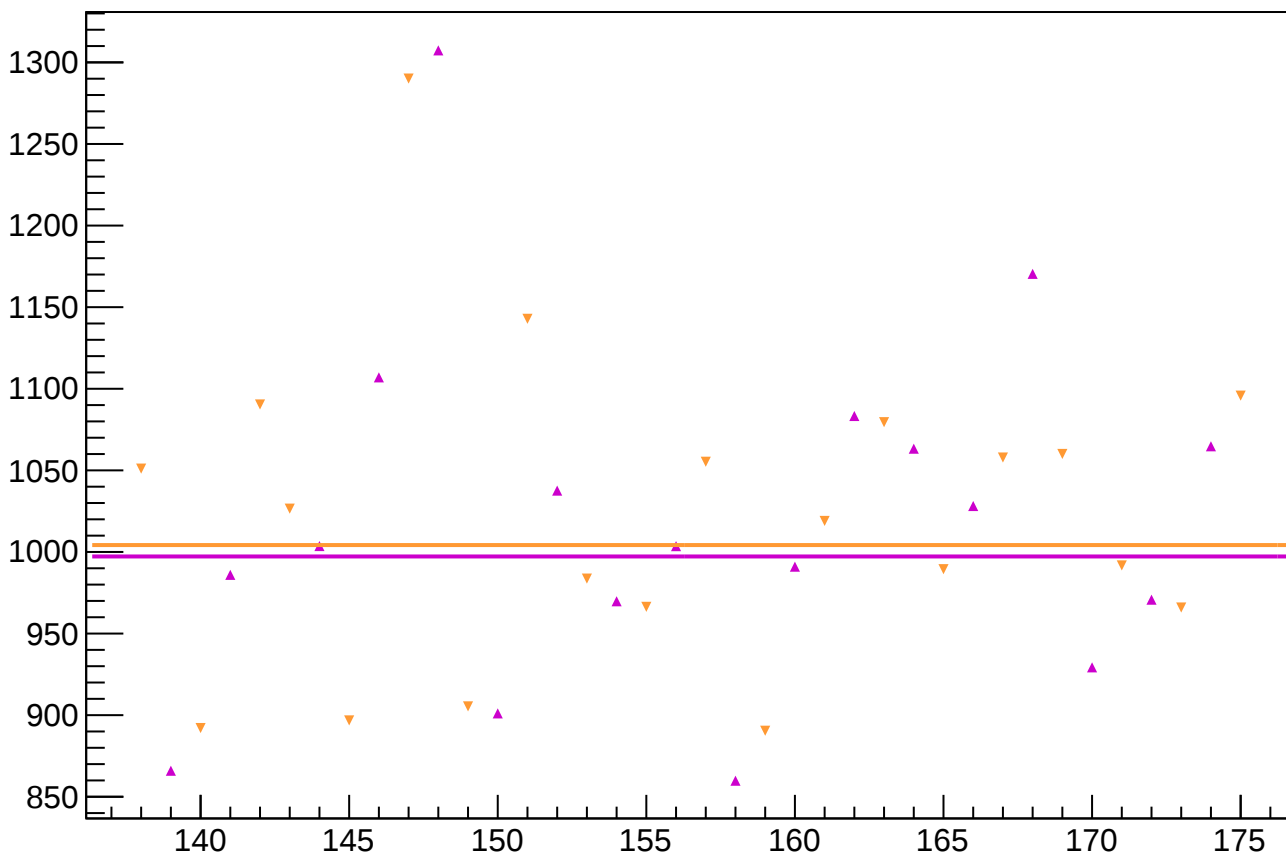
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 147.537 $\pm$ 266.738 χ^2 /NDF:33.9/17

Out: -450.556 $\pm$ 260.355 χ^2 /NDF:15.4/19

All: -158.751 $\pm$ 186.315 χ^2 /NDF: 51.8/37

asym_sam5_correction_rms vs Slug, Sign Corrected



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

Left Out: 1004.227+/-0.184 χ^2/NDF : 237702.9/19

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

Left In: 997.242+/-0.189 χ^2/NDF : 274145.0/17

Left: 1000.819+/-0.132 χ^2/NDF : 512550.2/37

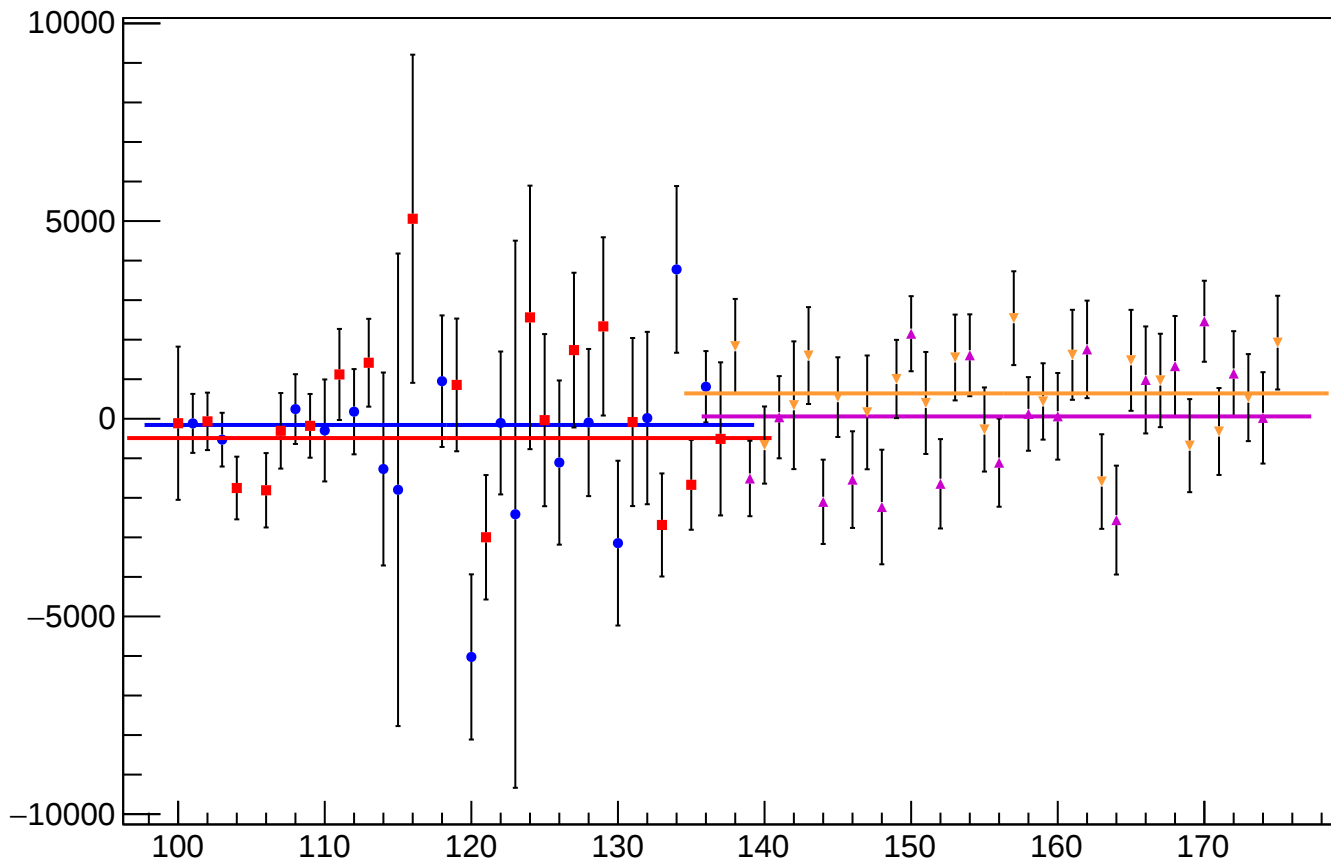
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 997.242+/-0.189 χ^2/NDF : 274145.0/17

Out: 1004.227+/-0.184 χ^2/NDF : 237702.9/19

All: 1000.819+/-0.132 χ^2/NDF : 512550.2/37

asym_sam5_mean vs Slug, Sign Corrected



Right In: -157.178 ± 312.499 χ^2/NDF : 16.2/16

Left Out: 641.301 ± 255.734 χ^2/NDF : 15.7/19

Right Out: -488.583 ± 282.758 χ^2/NDF : 22.6/18

Left In: 58.763 ± 261.797 χ^2/NDF : 35.0/17

Left: 356.856 ± 182.937 χ^2/NDF : 53.3/37

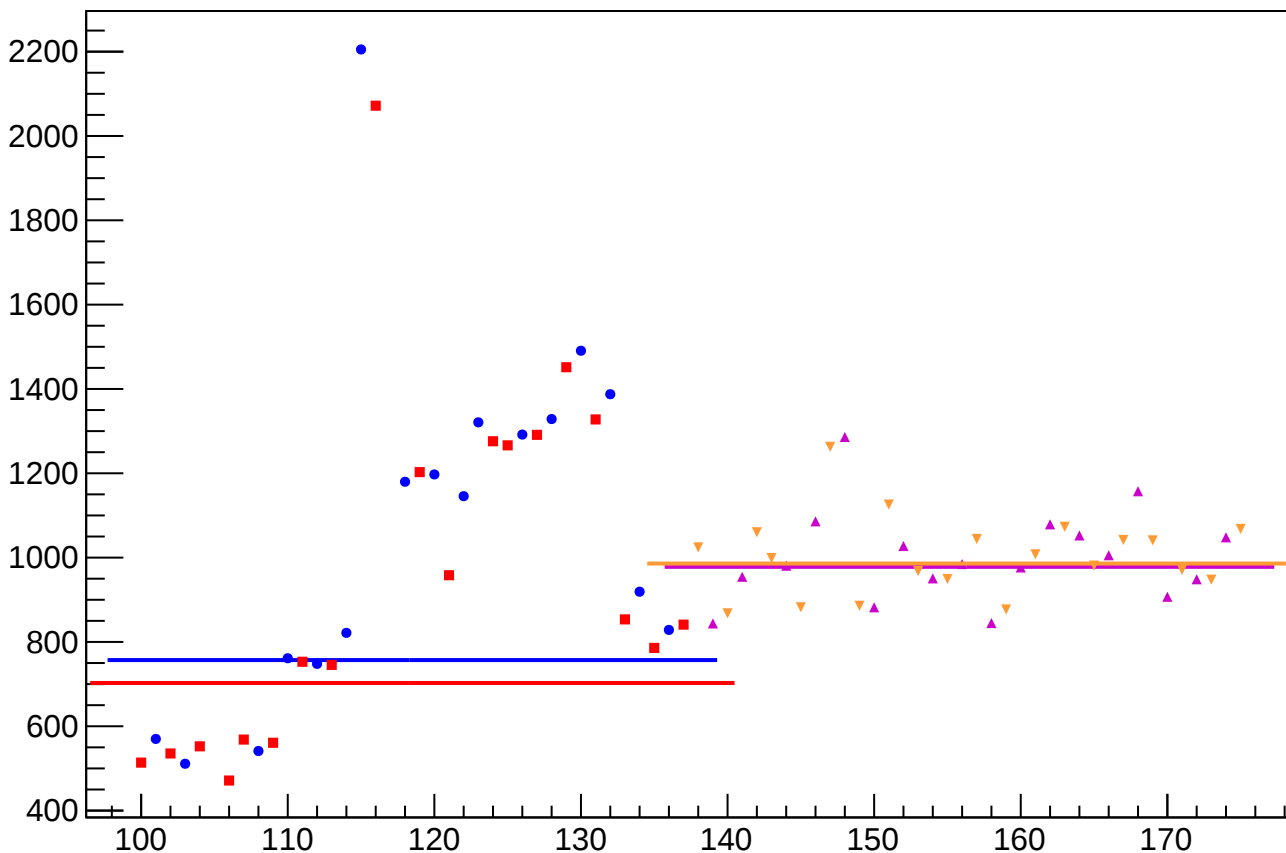
Right: -339.397 ± 209.669 χ^2/NDF : 39.5/35

In: -30.290 ± 200.681 χ^2/NDF : 51.5/34

Out: 132.921 ± 189.667 χ^2/NDF : 47.1/38

All: 55.917 ± 137.844 χ^2/NDF : 99.0/73

asym_sam5_rms vs Slug, Sign Corrected



Right In: 756.985 $\pm$ 0.221 χ^2 /NDF: 1711285.9/16

Left Out: 985.905 $\pm$ 0.181 χ^2 /NDF: 240846.7/19

Right Out: 702.656 $\pm$ 0.200 χ^2 /NDF: 1689579.7/18

Left In: 978.158 $\pm$ 0.185 χ^2 /NDF: 291767.3/17

Left: 982.122 $\pm$ 0.129 χ^2 /NDF: 533510.2/37

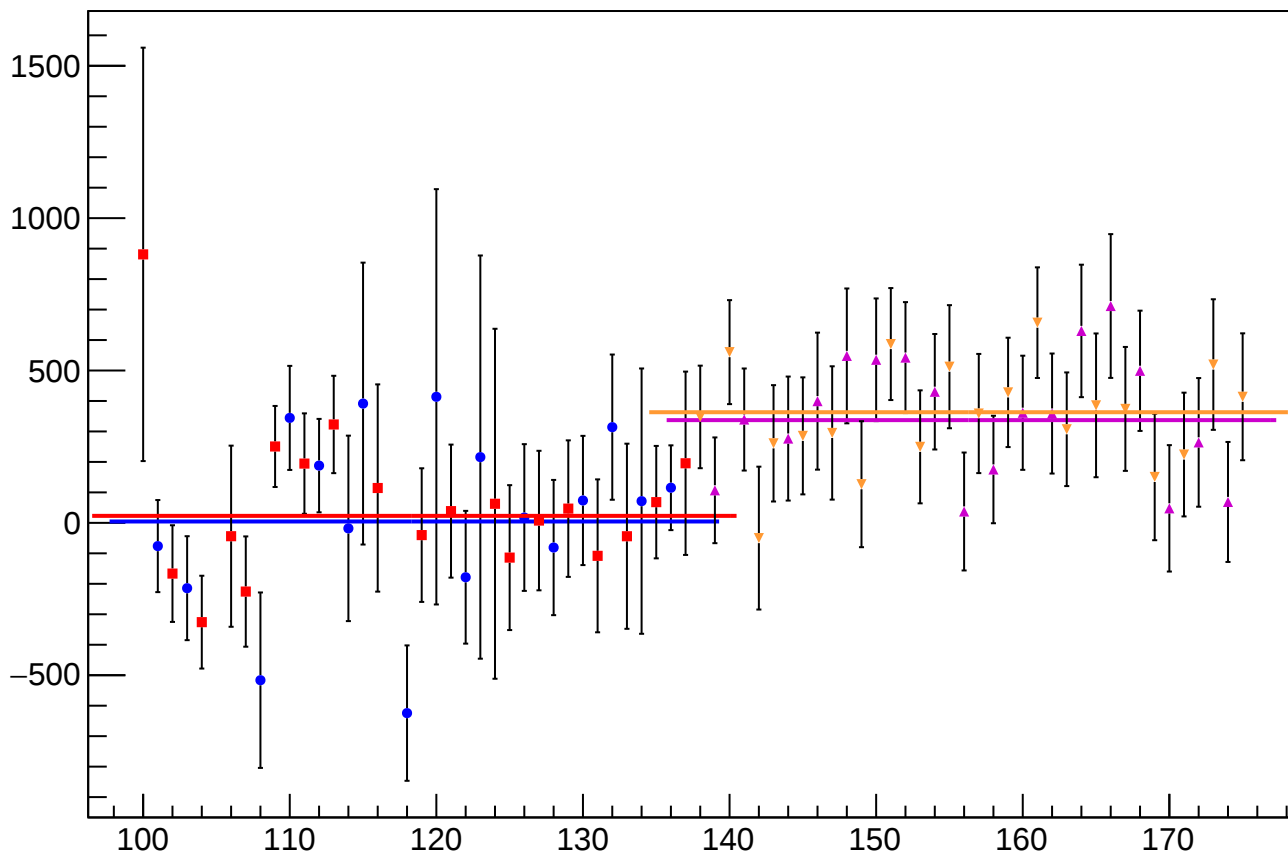
Right: 727.113 $\pm$ 0.148 χ^2 /NDF: 3434103.1/35

In: 886.947 $\pm$ 0.142 χ^2 /NDF: 2591734.8/34

Out: 858.460 $\pm$ 0.134 χ^2 /NDF: 3034368.7/38

All: 871.900 $\pm$ 0.097 χ^2 /NDF: 5647390.0/73

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: 4.533 $\pm$ 52.509 χ^2/NDF : 23.1/16

Left Out: 363.126 $\pm$ 43.827 χ^2/NDF :13.7/19

Right Out: 22.985 $\pm$ 47.854 χ^2/NDF : 19.0/18

Left In: 337.145 $\pm$ 46.358 χ^2/NDF :17.5/17

Left: 350.864 $\pm$ 31.848 χ^2/NDF : 31.4/37

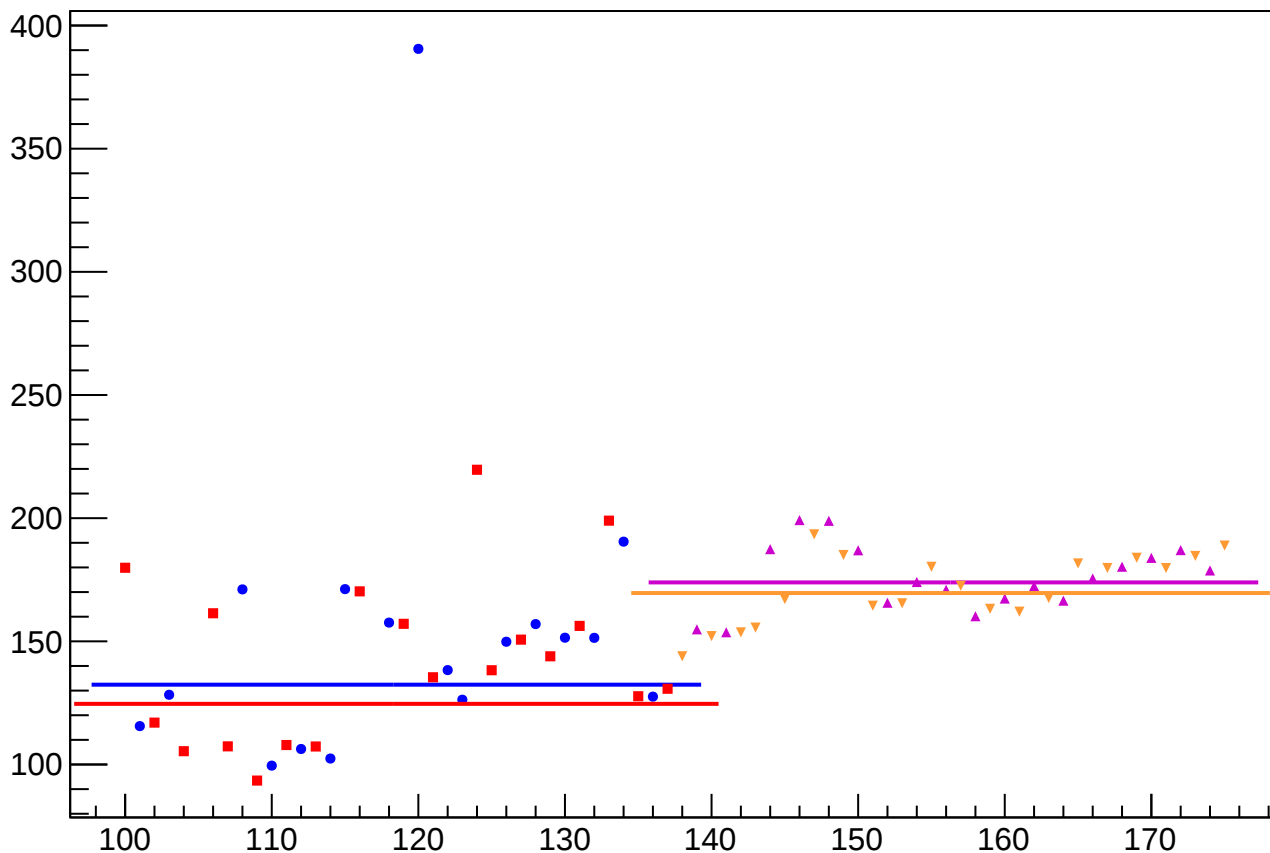
Right: 14.613 $\pm$ 35.370 χ^2/NDF : 42.1/35

In: 191.455 $\pm$ 34.752 χ^2/NDF :63.2/34

Out: 207.967 $\pm$ 32.321 χ^2/NDF :60.1/38

All: 200.309 $\pm$ 23.667 χ^2/NDF : 123.4/73

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 132.404 $\pm$ 0.037 χ^2 /NDF: 643884.8/16

Left Out: 169.611 $\pm$ 0.031 χ^2 /NDF:189391.9/19

Right Out: 124.620 $\pm$ 0.034 χ^2 /NDF: 592322.9/18

Left In: 173.922 $\pm$ 0.033 χ^2 /NDF:158668.3/17

Left: 171.646 $\pm$ 0.023 χ^2 /NDF: 357194.2/37

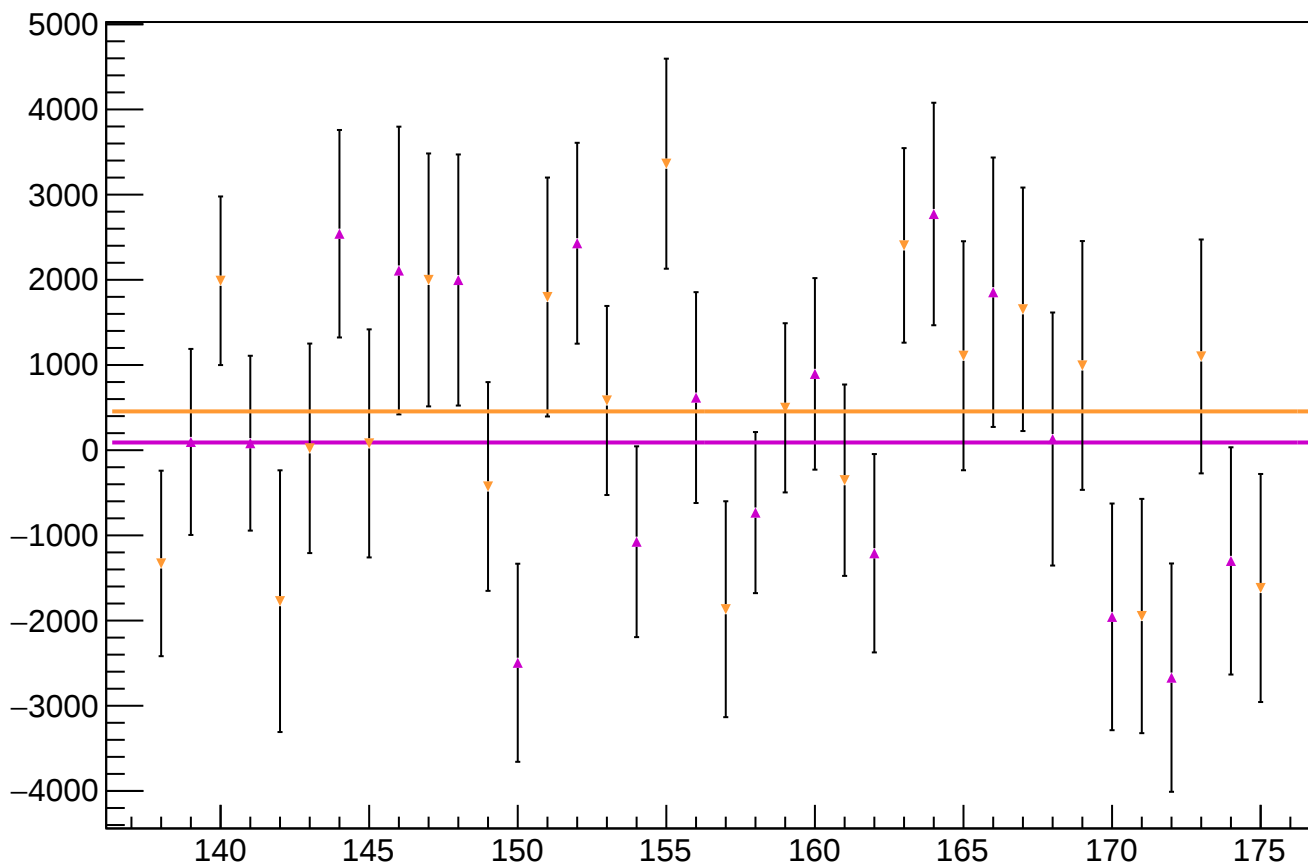
Right: 128.152 $\pm$ 0.025 χ^2 /NDF: 1260220.4/35

In: 155.737 $\pm$ 0.025 χ^2 /NDF:1505214.2/34

Out: 149.088 $\pm$ 0.023 χ^2 /NDF:1743137.8/38

All: 152.172 $\pm$ 0.017 χ^2 /NDF: 3287606.4/73

asym_sam6_correction_mean vs Slug, Sign Corrected



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

Left Out: 455.378+/-278.079 χ^2/NDF : 29.0/19

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

Left In: 90.453+/-289.234 χ^2/NDF : 33.0/17

Left: 280.088+/-200.459 χ^2/NDF : 62.8/37

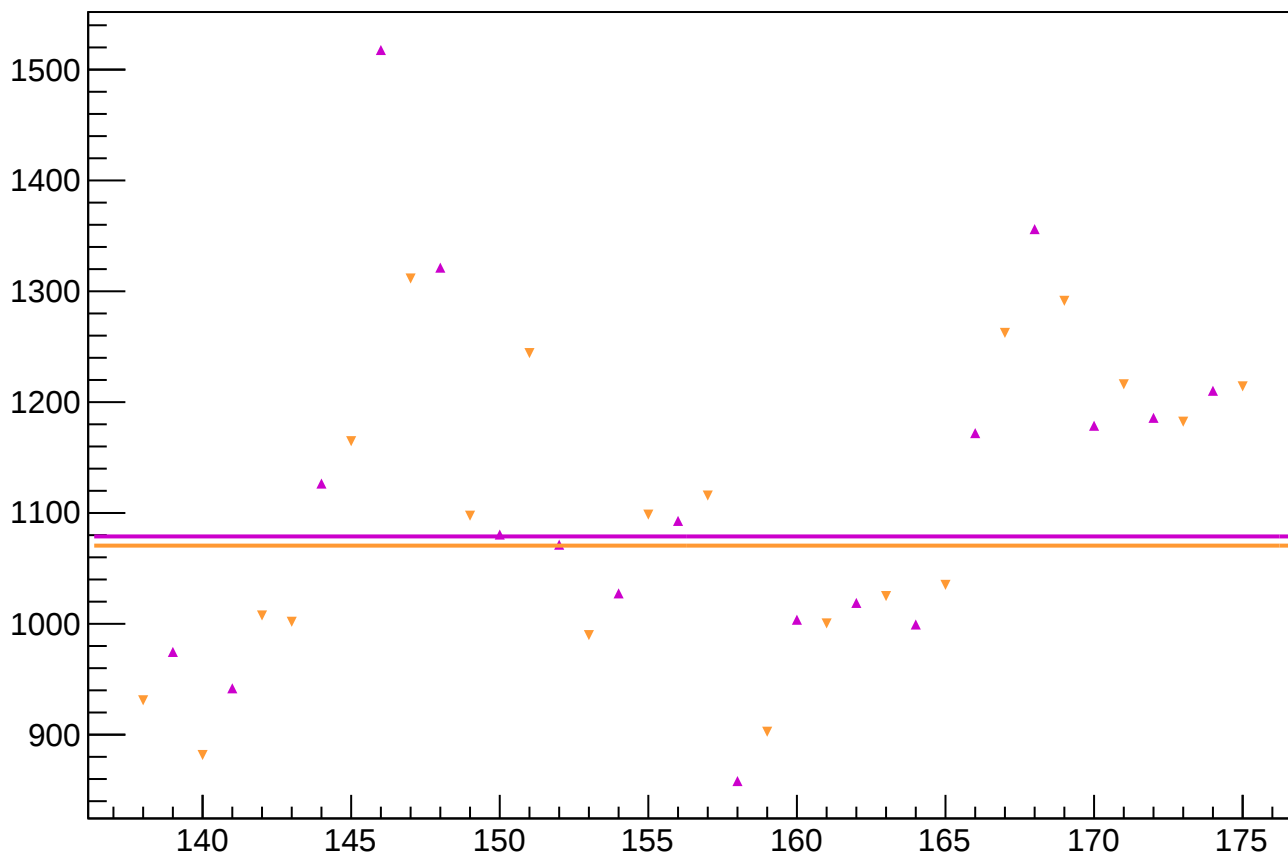
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 90.453+/-289.234 χ^2/NDF : 33.0/17

Out: 455.378+/-278.079 χ^2/NDF : 29.0/19

All: 280.088+/-200.459 χ^2/NDF : 62.8/37

asym_sam6_correction_rms vs Slug, Sign Corrected



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

Left Out: 1070.557+/-0.197 χ^2/NDF :433823.8/19

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

Left In: 1078.850+/-0.205 χ^2/NDF :501348.0/17

Left: 1074.541+/-0.142 χ^2/NDF : 936026.1/37

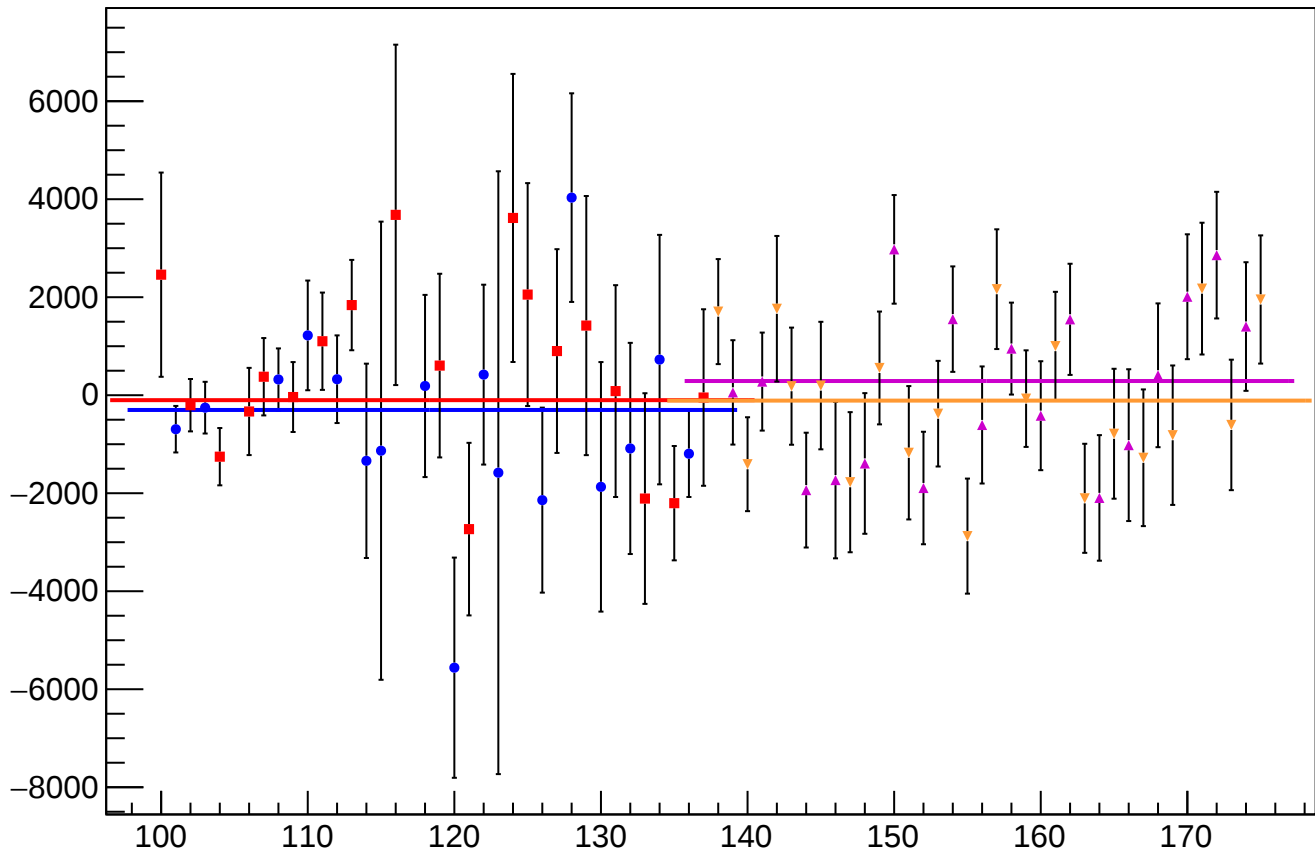
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1078.850+/-0.205 χ^2/NDF :501348.0/17

Out: 1070.557+/-0.197 χ^2/NDF :433823.8/19

All: 1074.541+/-0.142 χ^2/NDF : 936026.1/37

asym_sam6_mean vs Slug, Sign Corrected



Right In: -301.000 $\pm$ 250.042 χ^2 /NDF: 16.8/16

Left Out: -109.950 $\pm$ 270.429 χ^2 /NDF: 28.7/19

Right Out: -100.857 $\pm$ 245.981 χ^2 /NDF: 22.5/18

Left In: 289.801 $\pm$ 281.347 χ^2 /NDF: 30.9/17

Left: 82.018 $\pm$ 194.968 χ^2 /NDF: 60.7/37

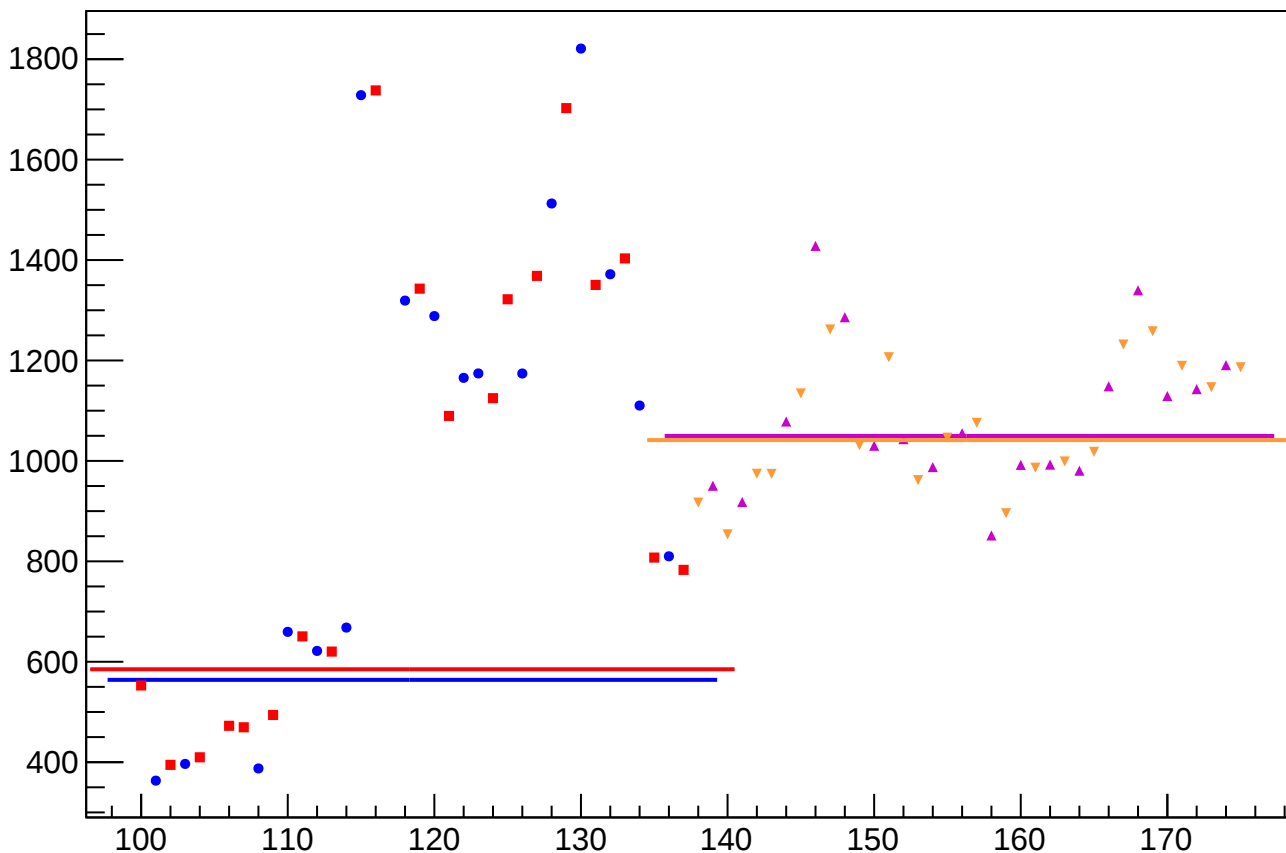
Right: -199.290 $\pm$ 175.353 χ^2 /NDF: 39.7/35

In: -40.284 $\pm$ 186.899 χ^2 /NDF: 50.2/34

Out: -104.974 $\pm$ 181.965 χ^2 /NDF: 51.3/38

All: -73.494 $\pm$ 130.378 χ^2 /NDF: 101.5/73

asym_sam6_rms vs Slug, Sign Corrected



Right In: 564.003 $\pm$ 0.177 χ^2 /NDF: 3261491.3/16

Left Out: 1041.446 $\pm$ 0.191 χ^2 /NDF: 410962.8/19

Right Out: 585.070 $\pm$ 0.174 χ^2 /NDF: 2820837.8/18

Left In: 1049.620 $\pm$ 0.199 χ^2 /NDF: 460185.5/17

Left: 1045.371 $\pm$ 0.138 χ^2 /NDF: 872026.0/37

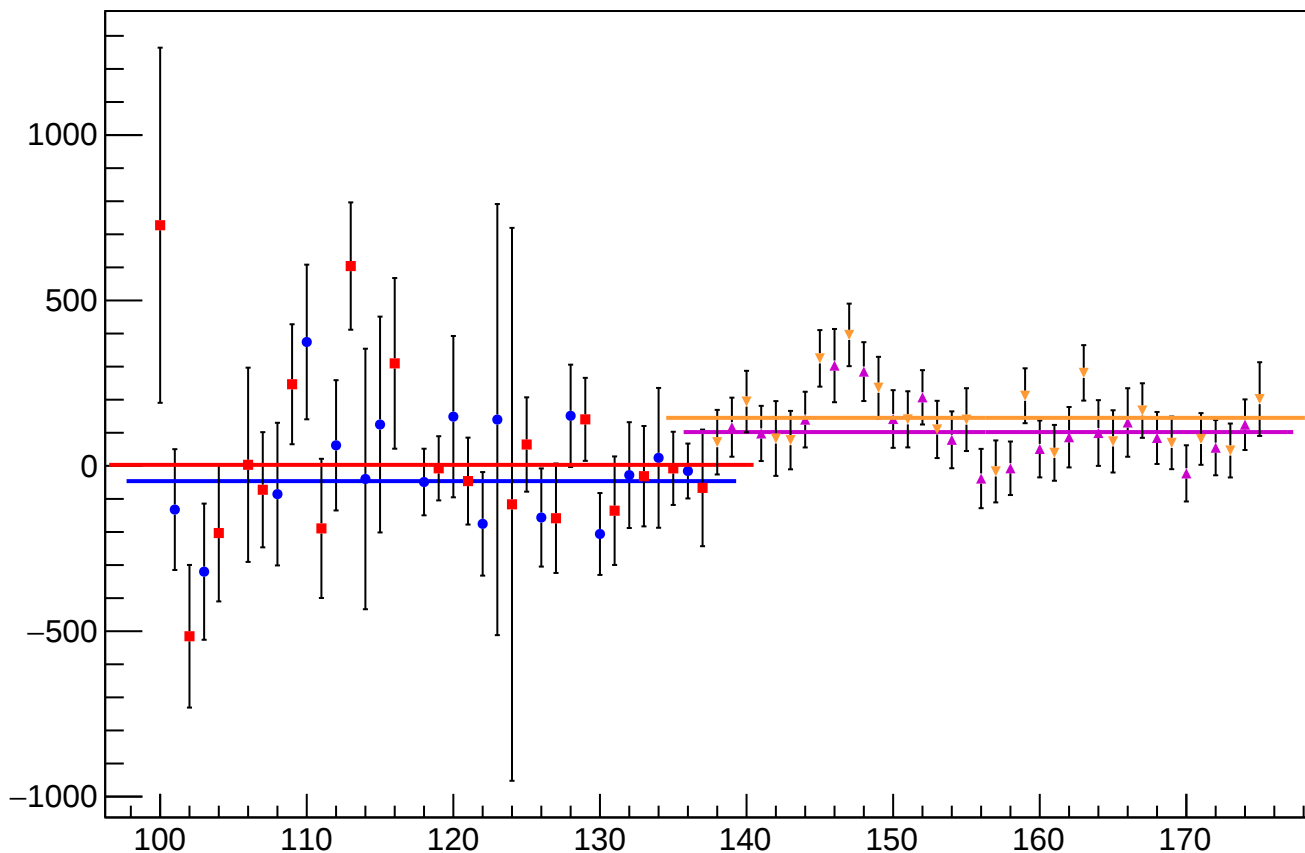
Right: 574.709 $\pm$ 0.124 χ^2 /NDF: 6089543.5/35

In: 778.303 $\pm$ 0.132 χ^2 /NDF: 7050705.0/34

Out: 791.700 $\pm$ 0.129 χ^2 /NDF: 6348859.2/38

All: 785.181 $\pm$ 0.092 χ^2 /NDF: 13404840.1/73

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -46.211 ± 39.137 χ^2/NDF : 11.3/16

Left Out: 145.092 ± 19.887 χ^2/NDF : 26.1/19

Right Out: 2.942 ± 37.872 χ^2/NDF : 26.0/18

Left In: 102.086 ± 20.520 χ^2/NDF : 17.0/17

Left: 124.263 ± 14.281 χ^2/NDF : 45.4/37

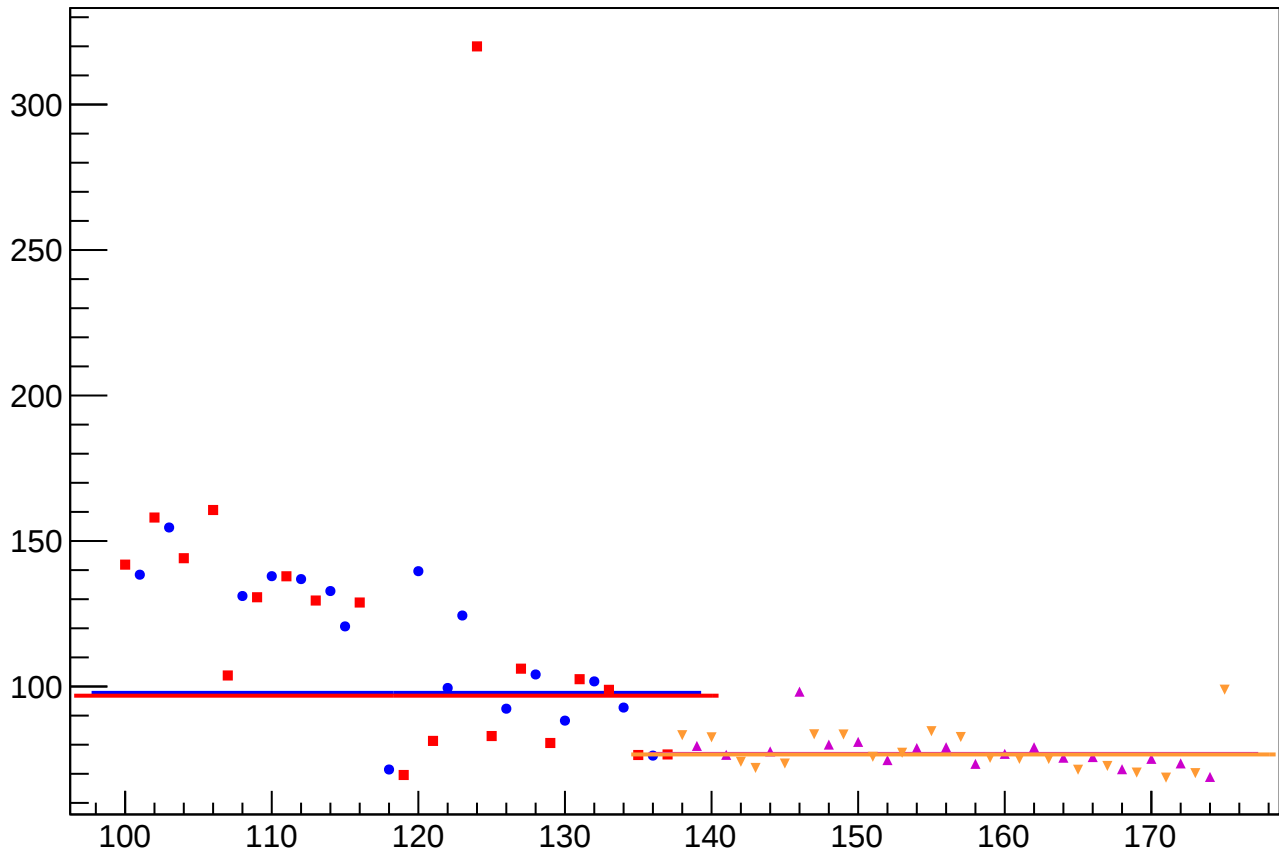
Right: -20.827 ± 27.216 χ^2/NDF : 38.2/35

In: 70.108 ± 18.174 χ^2/NDF : 39.6/34

Out: 114.368 ± 17.607 χ^2/NDF : 63.2/38

All: 92.938 ± 12.646 χ^2/NDF : 105.9/73

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 97.807 $\pm$ 0.028 χ^2 /NDF: 816964.4/16

Left Out: 76.650 $\pm$ 0.014 χ^2 /NDF: 208463.0/19

Right Out: 96.842 $\pm$ 0.027 χ^2 /NDF: 1095471.1/18

Left In: 76.829 $\pm$ 0.015 χ^2 /NDF: 127172.9/17

Left: 76.737 $\pm$ 0.010 χ^2 /NDF: 335714.2/37

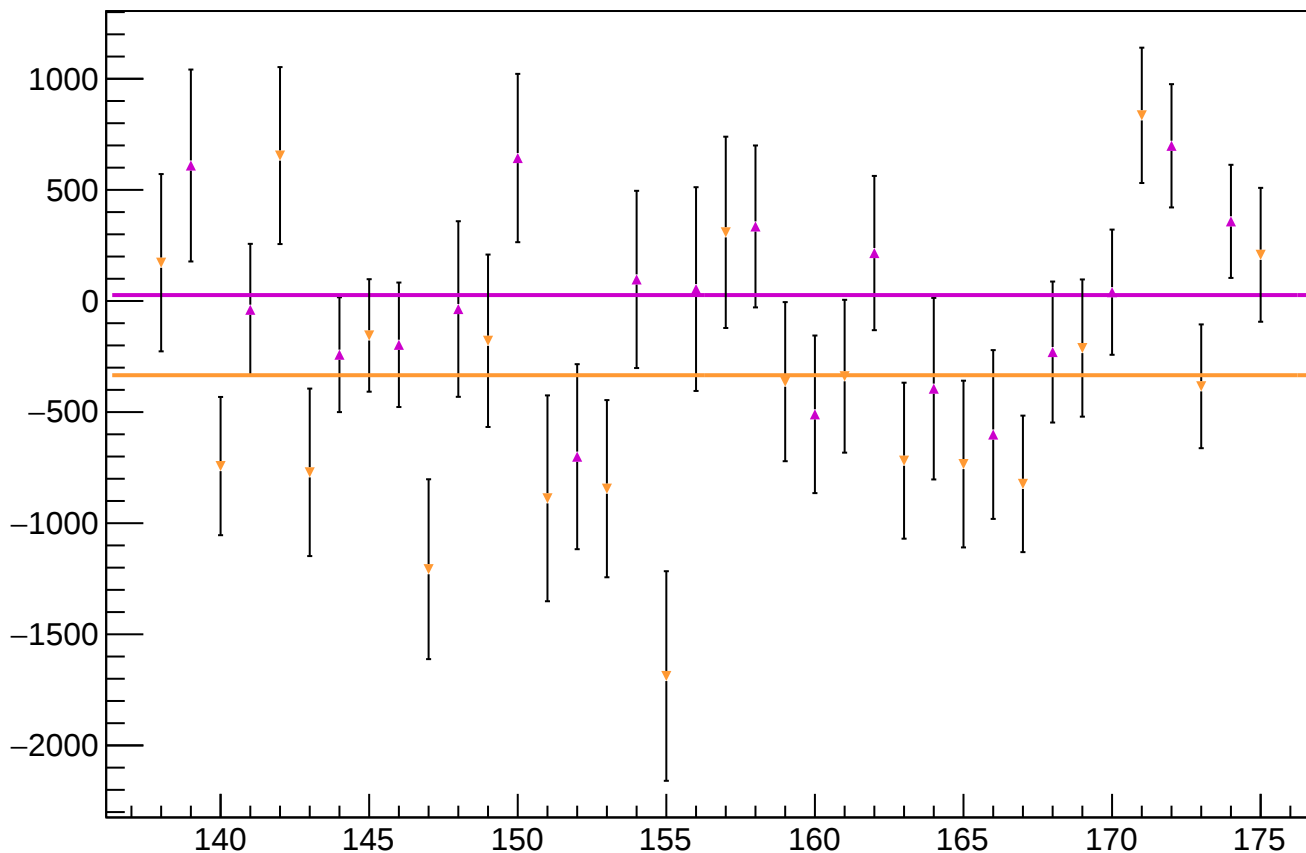
Right: 97.309 $\pm$ 0.019 χ^2 /NDF: 1913063.7/35

In: 81.353 $\pm$ 0.013 χ^2 /NDF: 1394848.7/34

Out: 81.015 $\pm$ 0.012 χ^2 /NDF: 1749549.8/38

All: 81.178 $\pm$ 0.009 χ^2 /NDF: 3144755.5/73

asym_sam7_correction_mean vs Slug, Sign Corrected



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

Left Out: -334.028+/-77.513 χ^2/NDF :52.7/19

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

Left In: 26.603+/-78.487 χ^2/NDF :24.7/17

Left: -155.964+/-55.151 χ^2/NDF : 88.1/37

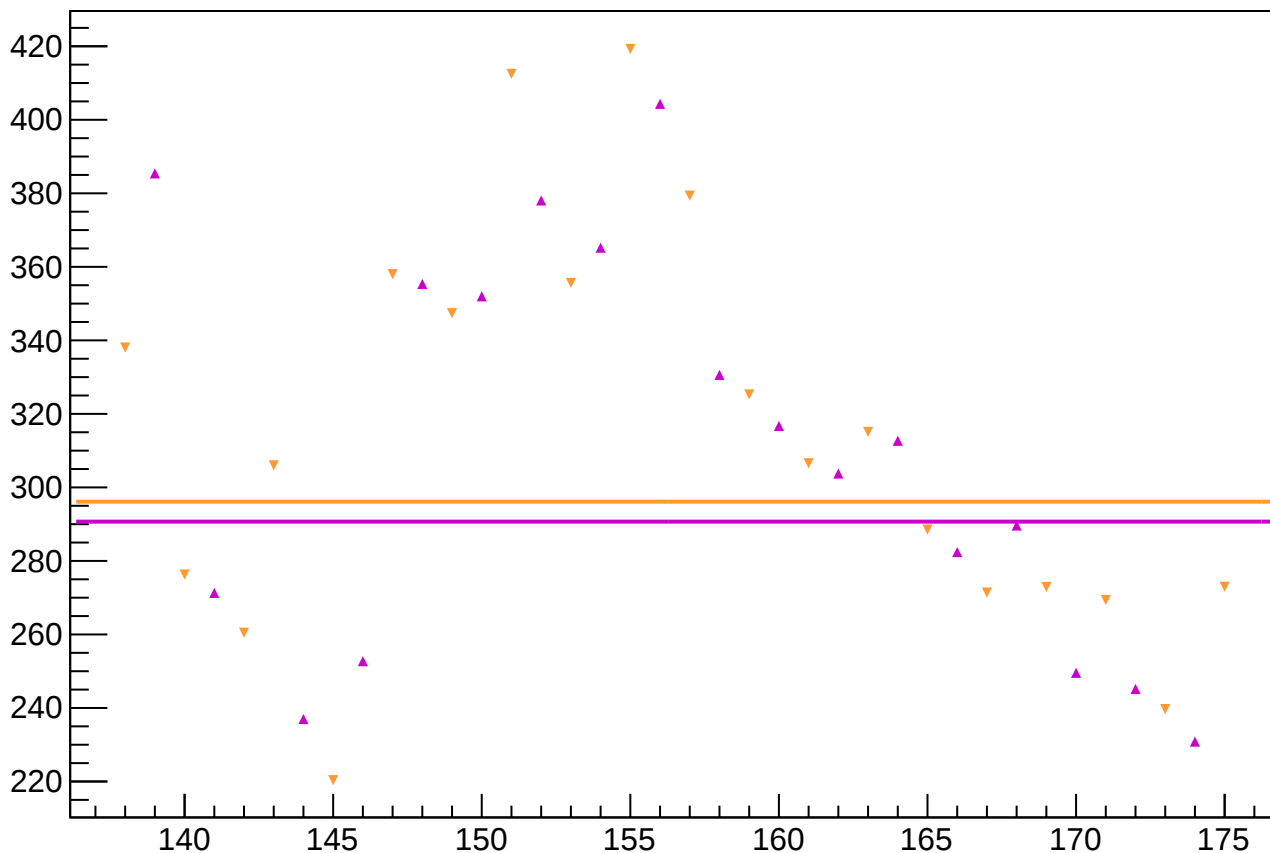
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 26.603+/-78.487 χ^2/NDF :24.7/17

Out: -334.028+/-77.513 χ^2/NDF :52.7/19

All: -155.964+/-55.151 χ^2/NDF : 88.1/37

asym_sam7_correction_rms vs Slug, Sign Corrected



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

Left Out: 296.117+/-0.055 χ^2/NDF : 845748.0/19

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

Left In: 290.693+/-0.055 χ^2/NDF : 865997.3/17

Left: 293.439+/-0.039 χ^2/NDF : 1716581.8/37

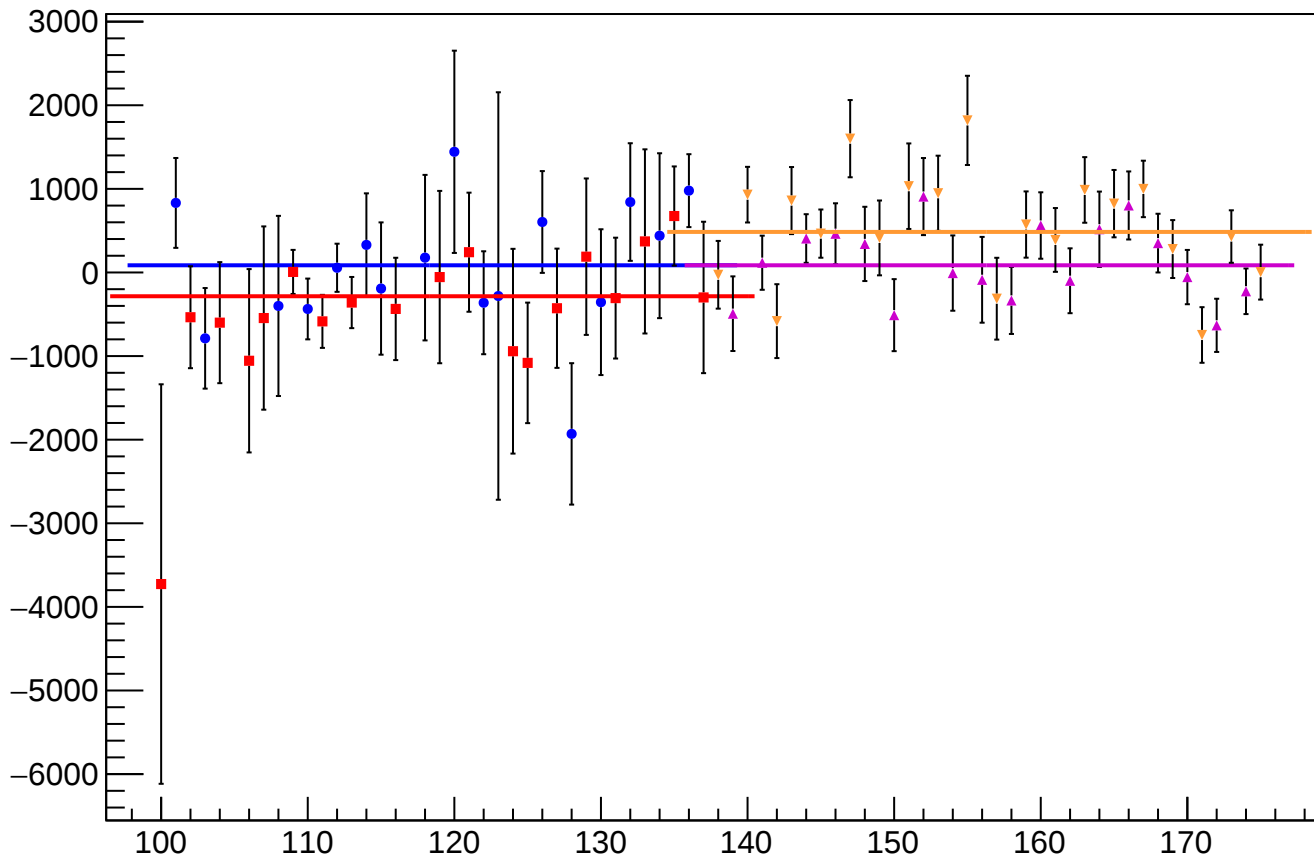
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 290.693+/-0.055 χ^2/NDF : 865997.3/17

Out: 296.117+/-0.055 χ^2/NDF : 845748.0/19

All: 293.439+/-0.039 χ^2/NDF : 1716581.8/37

asym_sam7_mean vs Slug, Sign Corrected



Right In: 85.810 $\pm$ 142.601 χ^2 /NDF: 20.6/16

Left Out: 484.983 $\pm$ 85.714 χ^2 /NDF: 48.1/19

Right Out: -284.456 $\pm$ 129.599 χ^2 /NDF: 10.6/18

Left In: 85.850 $\pm$ 88.075 χ^2 /NDF: 23.5/17

Left: 290.838 $\pm$ 61.427 χ^2 /NDF: 82.2/37

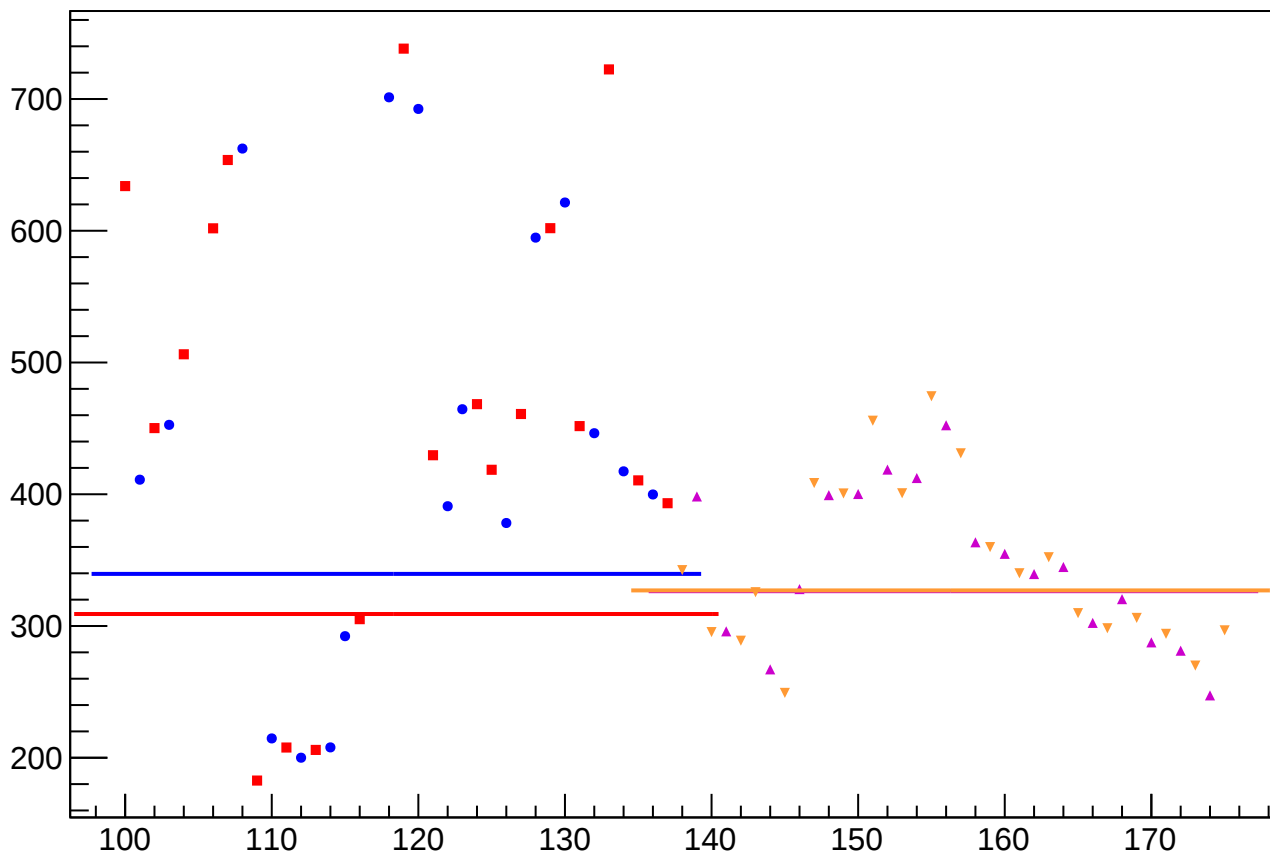
Right: -116.969 $\pm$ 95.908 χ^2 /NDF: 34.9/35

In: 85.839 $\pm$ 74.934 χ^2 /NDF: 44.0/34

Out: 250.836 $\pm$ 71.492 χ^2 /NDF: 83.2/38

All: 172.214 $\pm$ 51.727 χ^2 /NDF: 129.8/73

asym_sam7_rms vs Slug, Sign Corrected



Right In: 339.553 $\pm$ 0.101 χ^2/NDF : 2042244.1/16

Left Out: 327.015 $\pm$ 0.061 χ^2/NDF : 873967.4/19

Right Out: 309.105 $\pm$ 0.092 χ^2/NDF : 2730308.7/18

Left In: 326.421 $\pm$ 0.062 χ^2/NDF : 816575.8/17

Left: 326.726 $\pm$ 0.043 χ^2/NDF : 1690589.8/37

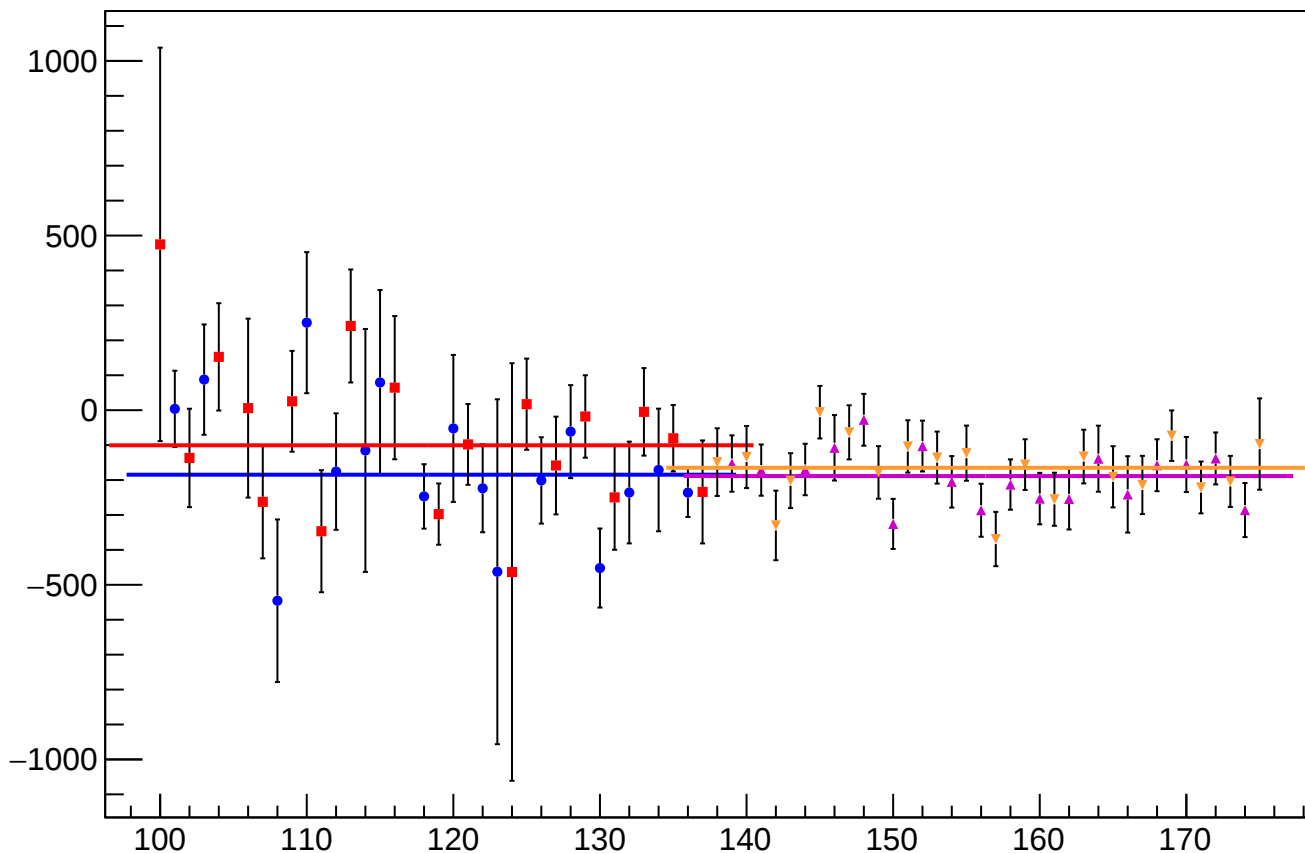
Right: 322.878 $\pm$ 0.068 χ^2/NDF : 4822487.1/35

In: 330.047 $\pm$ 0.053 χ^2/NDF : 2871096.0/34

Out: 321.564 $\pm$ 0.051 χ^2/NDF : 3630847.3/38

All: 325.607 $\pm$ 0.037 χ^2/NDF : 6515360.1/73

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -184.736 $\pm$ 33.009 χ^2/NDF : 22.4/16

Left Out: -164.931 $\pm$ 17.887 χ^2/NDF : 22.1/19

Right Out: -100.491 $\pm$ 32.512 χ^2/NDF : 22.2/18

Left In: -188.618 $\pm$ 18.402 χ^2/NDF : 16.9/17

Left: -176.438 $\pm$ 12.826 χ^2/NDF : 39.8/37

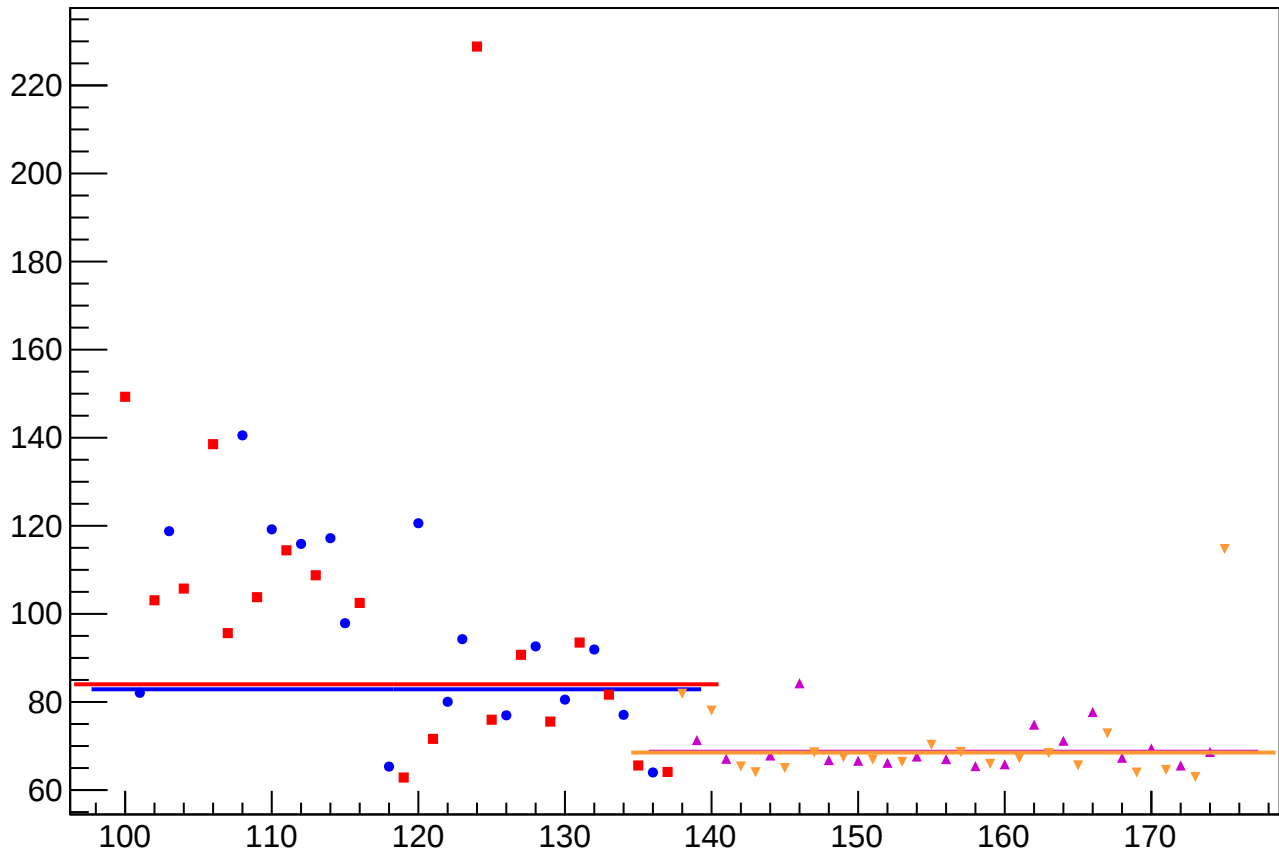
Right: -141.974 $\pm$ 23.163 χ^2/NDF : 47.9/35

In: -187.697 $\pm$ 16.073 χ^2/NDF : 39.3/34

Out: -149.959 $\pm$ 15.671 χ^2/NDF : 47.3/38

All: -168.351 $\pm$ 11.221 χ^2/NDF : 89.4/73

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 82.880 $\pm$ 0.023 χ^2 /NDF: 706417.7/16

Left Out: 68.516 $\pm$ 0.013 χ^2 /NDF:363685.1/19

Right Out: 84.013 $\pm$ 0.023 χ^2 /NDF: 765400.6/18

Left In: 68.702 $\pm$ 0.013 χ^2 /NDF:101507.6/17

Left: 68.606 $\pm$ 0.009 χ^2 /NDF: 465297.5/37

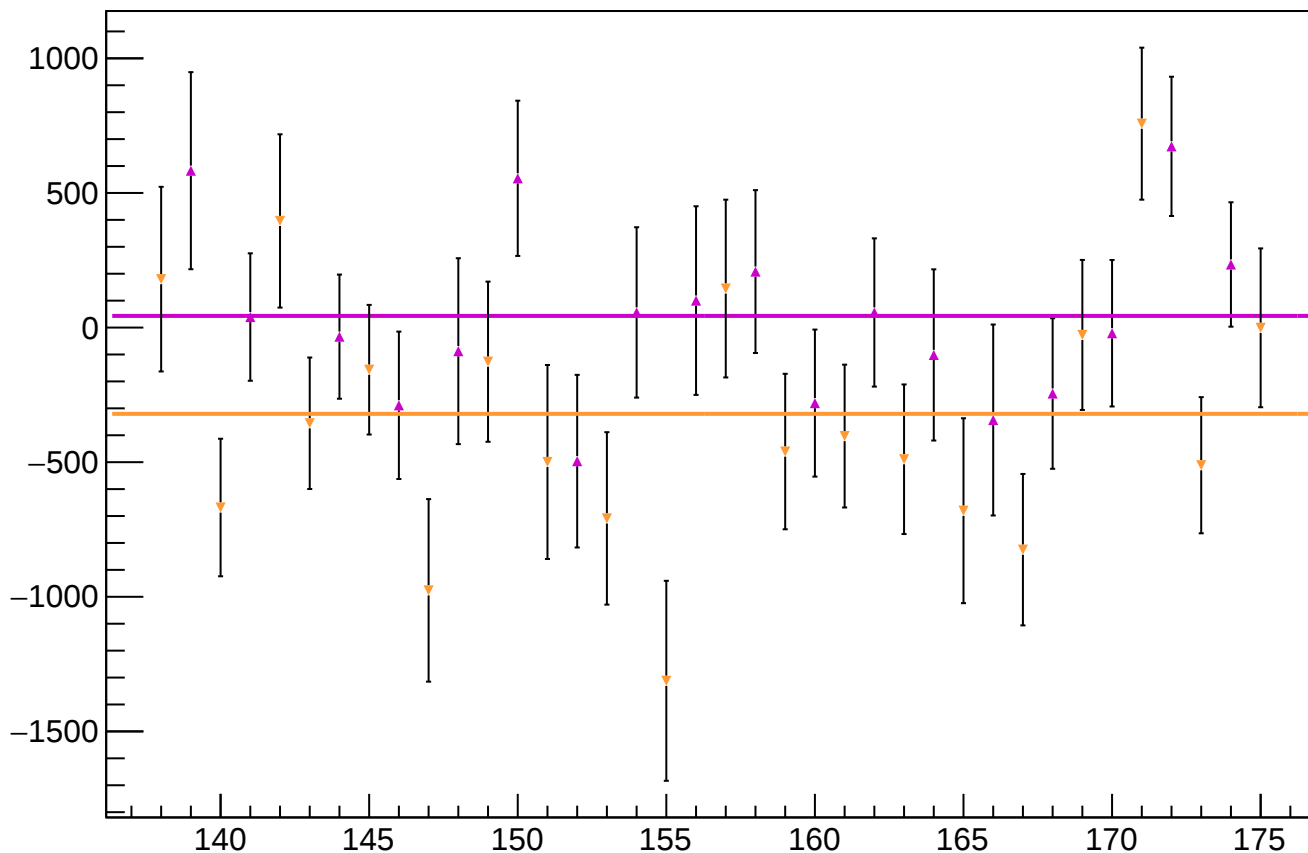
Right: 83.455 $\pm$ 0.016 χ^2 /NDF: 1473013.4/35

In: 72.063 $\pm$ 0.011 χ^2 /NDF:1089434.3/34

Out: 72.117 $\pm$ 0.011 χ^2 /NDF:1477908.4/38

All: 72.091 $\pm$ 0.008 χ^2 /NDF: 2567353.9/73

asym_sam8_correction_mean vs Slug, Sign Corrected



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

Left Out: -320.434+/-65.340 χ^2/NDF :46.9/19

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

Left In: 43.390+/-67.249 χ^2/NDF :20.7/17

Left: -143.759+/-46.863 χ^2/NDF : 82.7/37

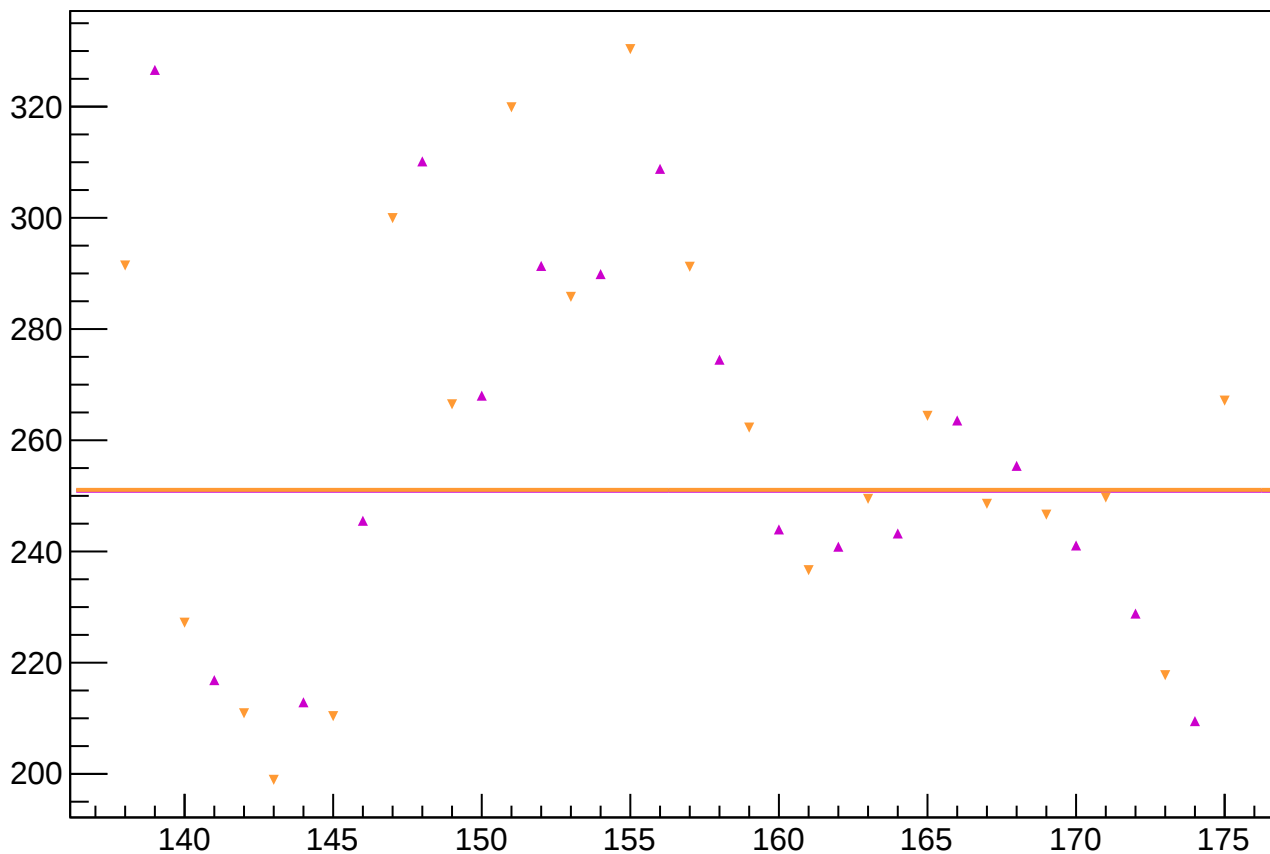
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 43.390+/-67.249 χ^2/NDF :20.7/17

Out: -320.434+/-65.340 χ^2/NDF :46.9/19

All: -143.759+/-46.863 χ^2/NDF : 82.7/37

asym_sam8_correction_rms vs Slug, Sign Corrected



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

Left Out: 251.081+/-0.046 χ^2/NDF :542019.4/19

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

Left In: 250.927+/-0.048 χ^2/NDF :466628.3/17

Left: 251.006+/-0.033 χ^2/NDF : 1008653.1/37

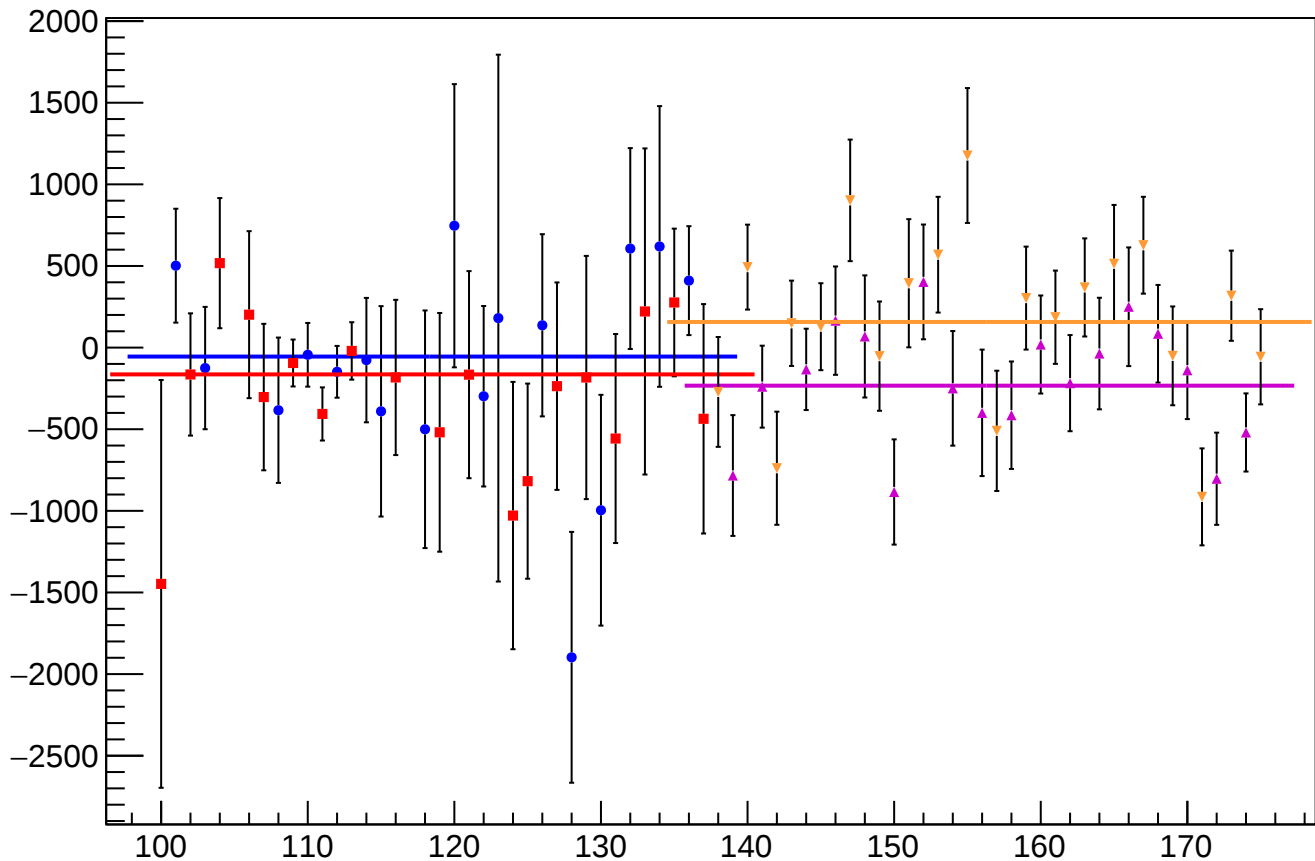
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 250.927+/-0.048 χ^2/NDF :466628.3/17

Out: 251.081+/-0.046 χ^2/NDF :542019.4/19

All: 251.006+/-0.033 χ^2/NDF : 1008653.1/37

asym_sam8_mean vs Slug, Sign Corrected



Right In: -54.933 ± 90.355 $\chi^2/\text{NDF}: 16.5/16$

Left Out: 157.061 ± 70.003 $\chi^2/\text{NDF}: 44.0/19$

Right Out: -164.141 ± 76.903 $\chi^2/\text{NDF}: 11.9/18$

Left In: -233.218 ± 72.863 $\chi^2/\text{NDF}: 21.9/17$

Left: -30.270 ± 50.480 $\chi^2/\text{NDF}: 80.8/37$

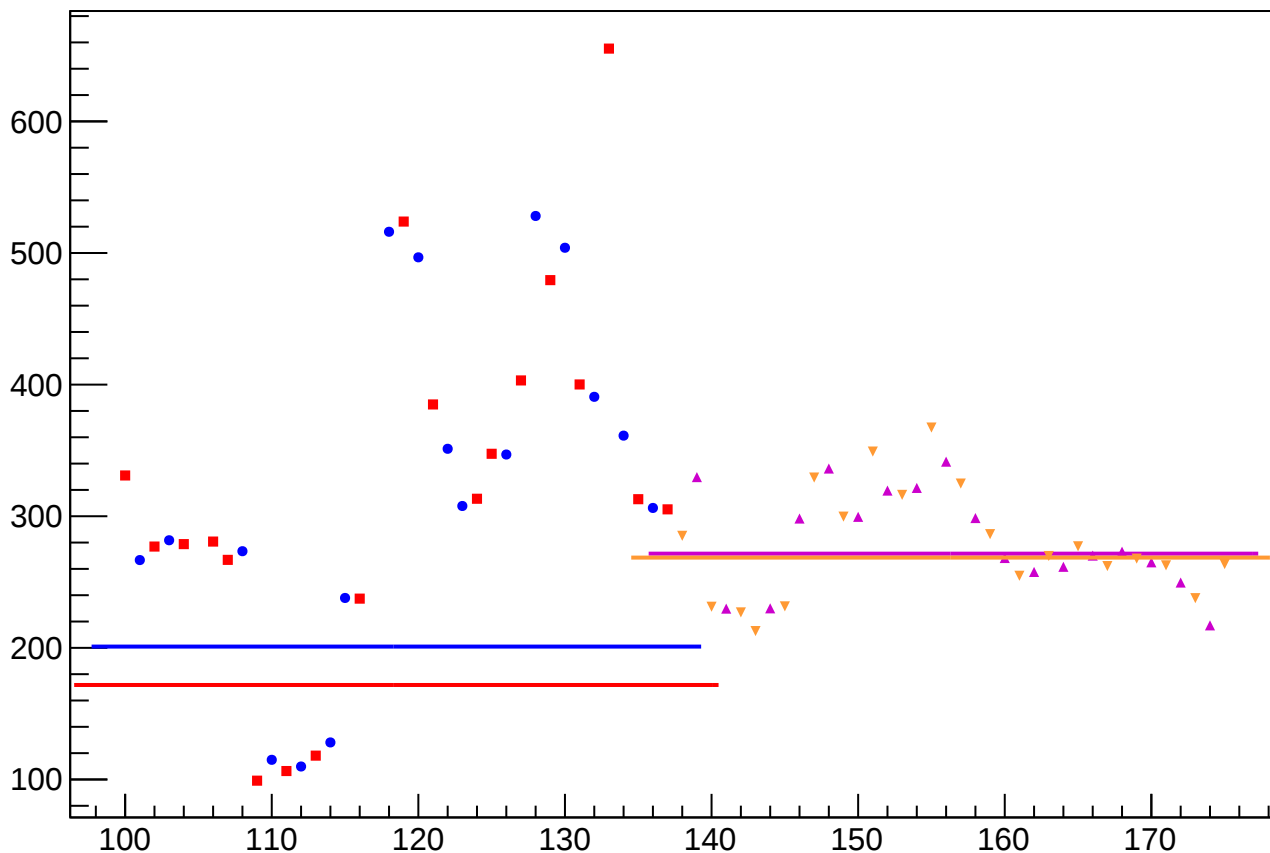
Right: -118.264 ± 58.563 $\chi^2/\text{NDF}: 29.3/35$

In: -162.966 ± 56.719 $\chi^2/\text{NDF}: 40.8/34$

Out: 11.512 ± 51.768 $\chi^2/\text{NDF}: 65.5/38$

All: -67.780 ± 38.236 $\chi^2/\text{NDF}: 111.4/73$

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.971 ± 0.064 $\chi^2/\text{NDF}: 3436154.0/16$

Left Out: 268.576 ± 0.049 $\chi^2/\text{NDF}: 596439.9/19$

Right Out: 171.794 ± 0.054 $\chi^2/\text{NDF}: 4092634.7/18$

Left In: 271.570 ± 0.052 $\chi^2/\text{NDF}: 527725.2/17$

Left: 270.013 ± 0.036 $\chi^2/\text{NDF}: 1125920.7/37$

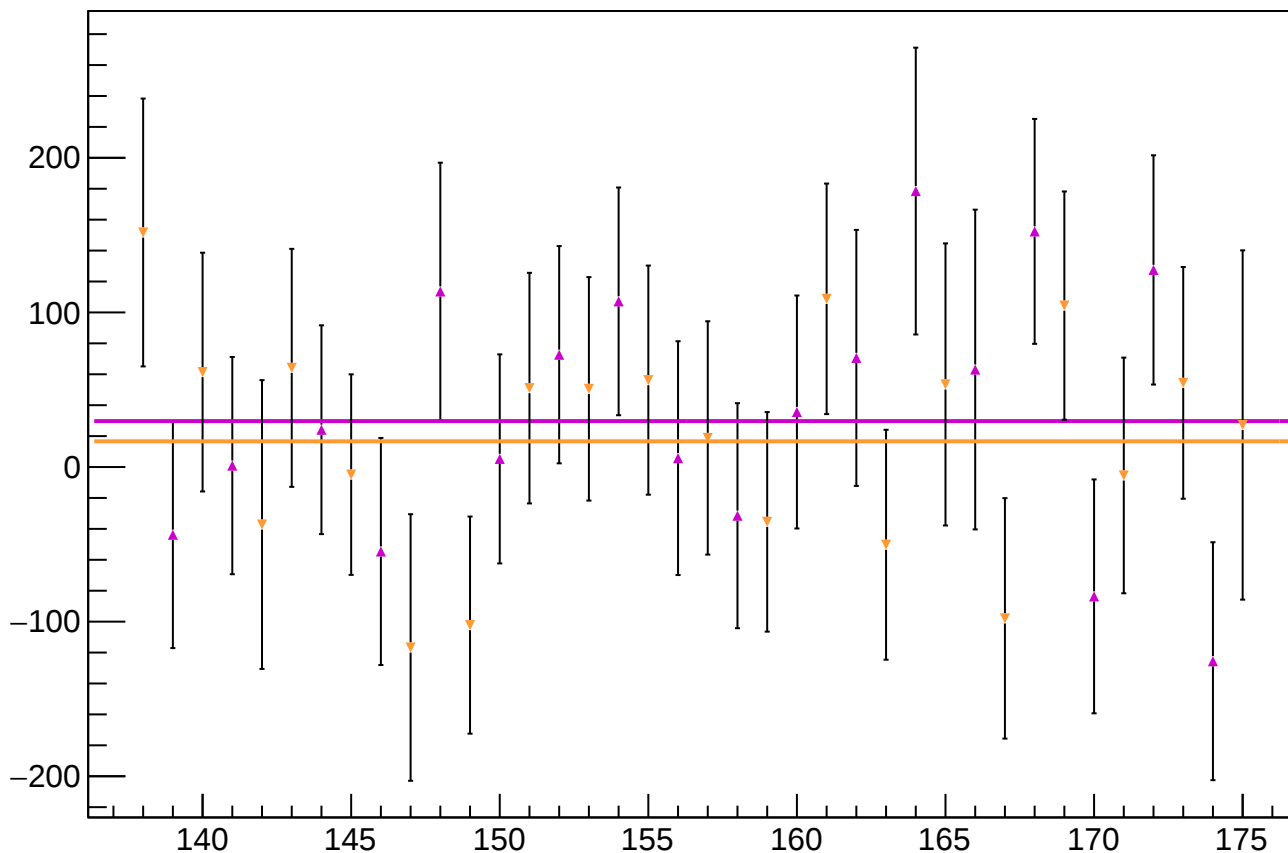
Right: 184.051 ± 0.041 $\chi^2/\text{NDF}: 7649725.9/35$

In: 243.751 ± 0.040 $\chi^2/\text{NDF}: 4703767.8/34$

Out: 224.721 ± 0.037 $\chi^2/\text{NDF}: 6421344.6/38$

All: 233.369 ± 0.027 $\chi^2/\text{NDF}: 11247938.3/73$

dit_asym_sam_15_avg_mean vs Slug, Sign Corrected



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

Left Out: 16.625+/-17.290 χ^2/NDF :16.5/19

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

Left In: 29.702+/-17.808 χ^2/NDF :19.8/17

Left: 22.970+/-12.405 χ^2/NDF : 36.6/37

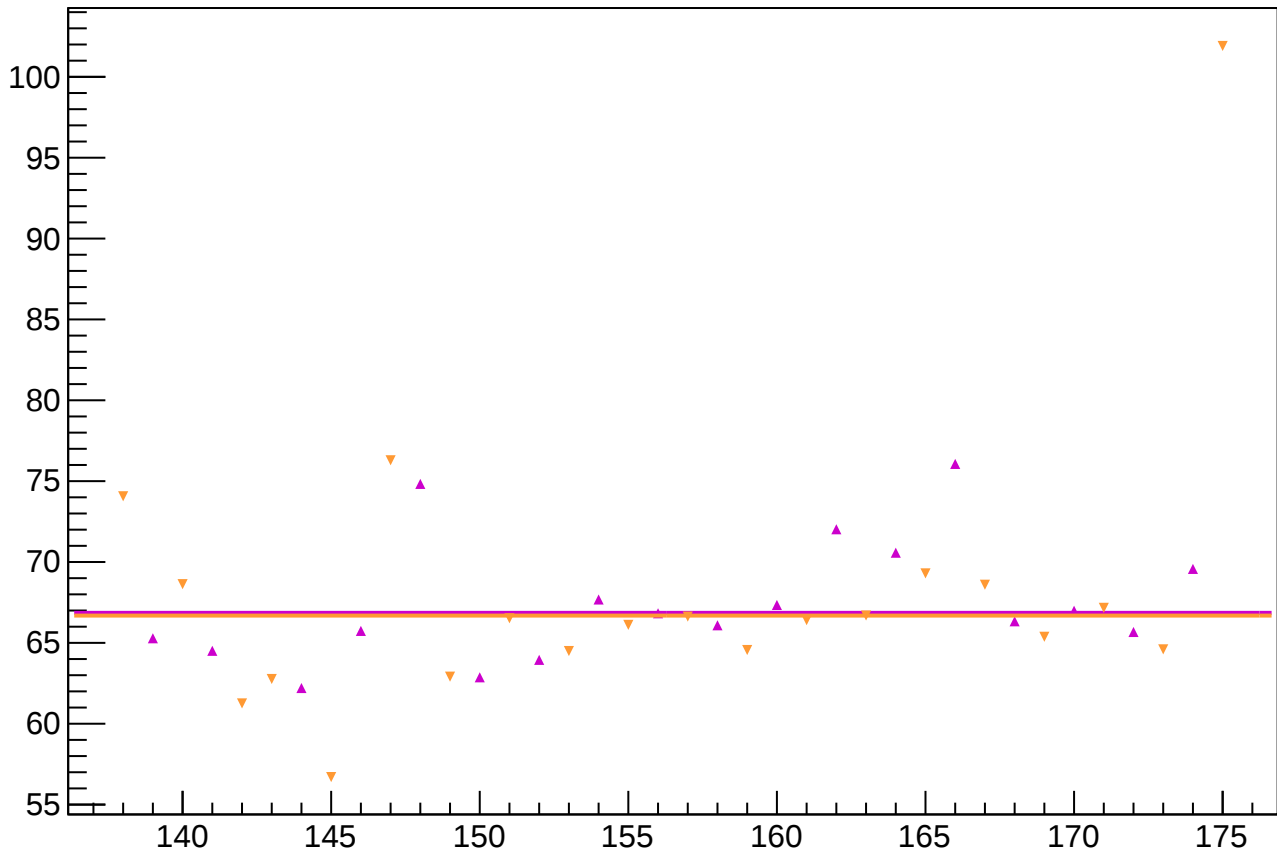
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 29.702+/-17.808 χ^2/NDF :19.8/17

Out: 16.625+/-17.290 χ^2/NDF :16.5/19

All: 22.970+/-12.405 χ^2/NDF : 36.6/37

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



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

Left Out: 66.687+/-0.012 χ^2/NDF : 309061.5/19

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

Left In: 66.856+/-0.013 χ^2/NDF : 72356.0/17

Left: 66.769+/-0.009 χ^2/NDF : 381510.2/37

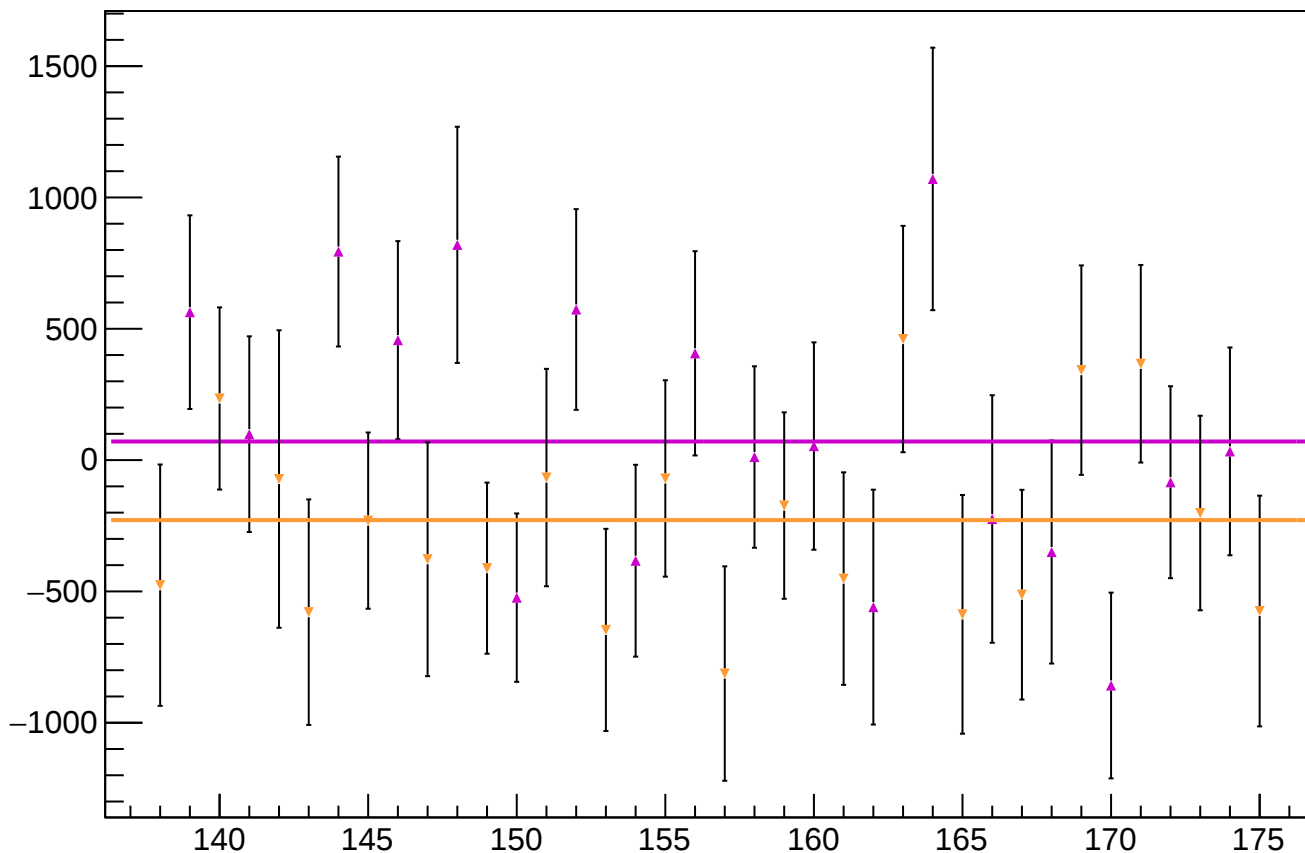
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 66.856+/-0.013 χ^2/NDF : 72356.0/17

Out: 66.687+/-0.012 χ^2/NDF : 309061.5/19

All: 66.769+/-0.009 χ^2/NDF : 381510.2/37

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -228.499+/-88.715 χ^2/NDF :16.0/19

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

Left In: 70.825+/-91.052 χ^2/NDF :31.6/17

Left: -82.728+/-63.541 χ^2/NDF : 53.1/37

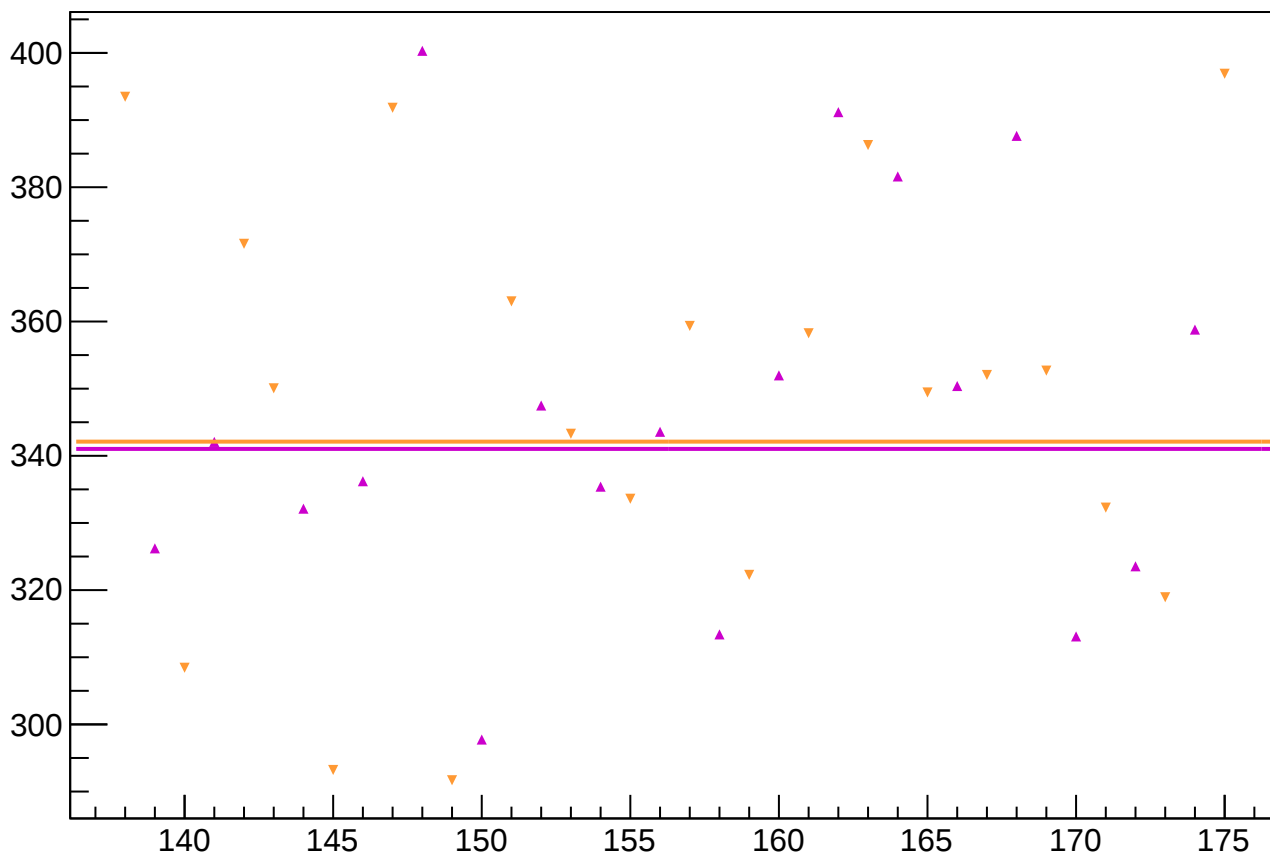
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 70.825+/-91.052 χ^2/NDF :31.6/17

Out: -228.499+/-88.715 χ^2/NDF :16.0/19

All: -82.728+/-63.541 χ^2/NDF : 53.1/37

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 342.112+/-0.063 χ^2/NDF :248905.9/19

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

Left In: 341.027+/-0.064 χ^2/NDF :175823.6/17

Left: 341.584+/-0.045 χ^2/NDF : 424875.3/37

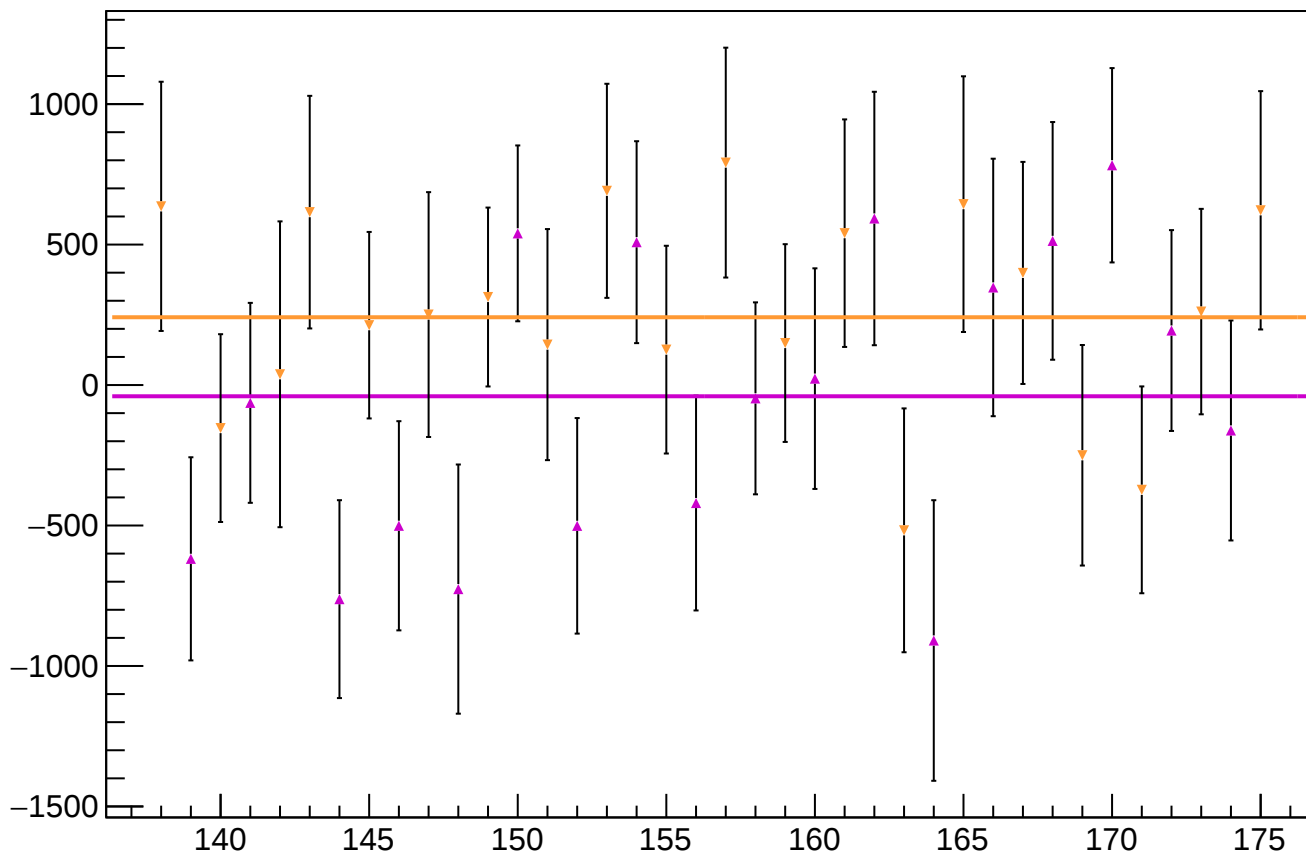
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 341.027+/-0.064 χ^2/NDF :175823.6/17

Out: 342.112+/-0.063 χ^2/NDF :248905.9/19

All: 341.584+/-0.045 χ^2/NDF : 424875.3/37

asym_sam_15_avg_mean vs Slug, Sign Corrected



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

Left Out: 241.306+/-87.318 χ^2/NDF :16.3/19

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

Left In: -39.974+/-89.612 χ^2/NDF :32.5/17

Left: 104.313+/-62.538 χ^2/NDF : 53.9/37

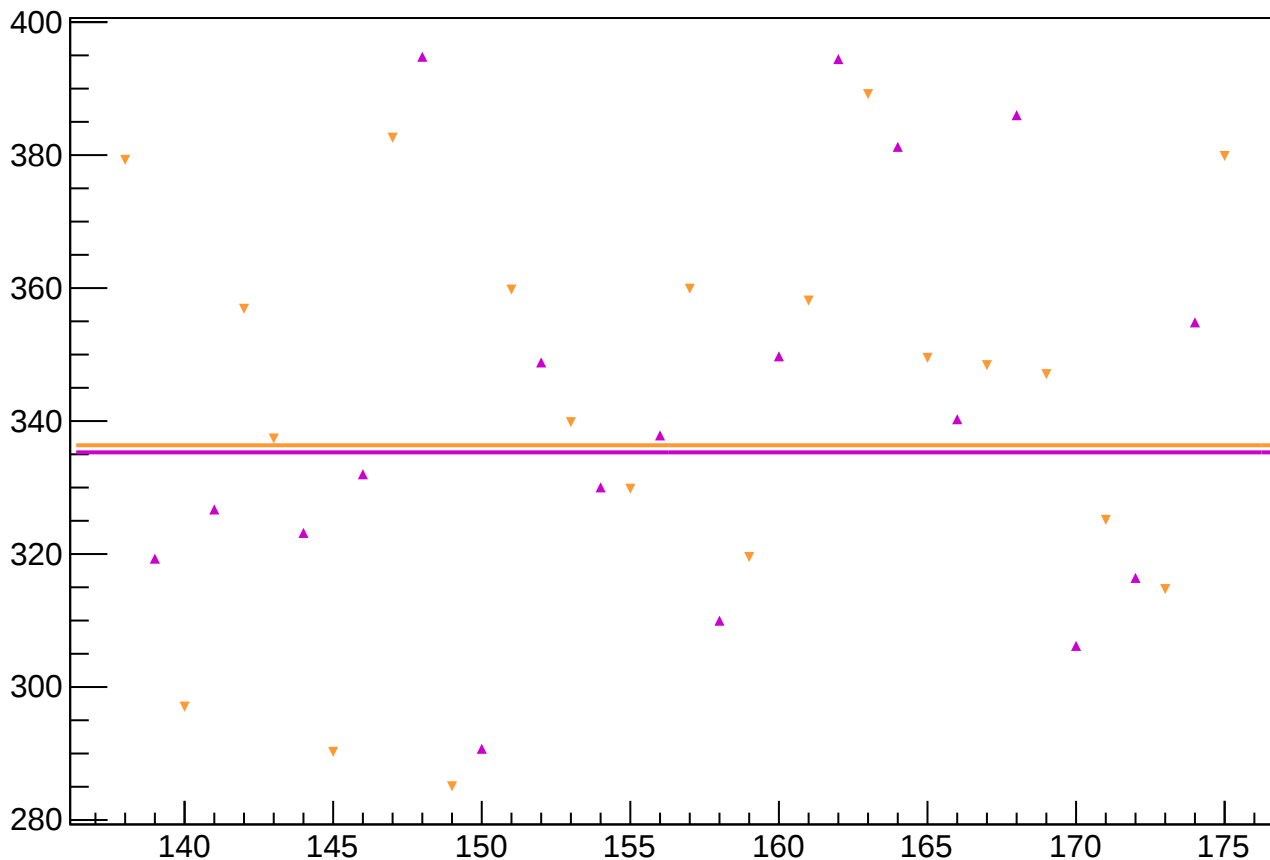
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -39.974+/-89.612 χ^2/NDF :32.5/17

Out: 241.306+/-87.318 χ^2/NDF :16.3/19

All: 104.313+/-62.538 χ^2/NDF : 53.9/37

asym_sam_15_avg_rms vs Slug, Sign Corrected



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

Left Out: 336.362+/-0.062 χ^2/NDF :251025.2/19

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

Left In: 335.293+/-0.063 χ^2/NDF :205885.6/17

Left: 335.841+/-0.044 χ^2/NDF : 457056.7/37

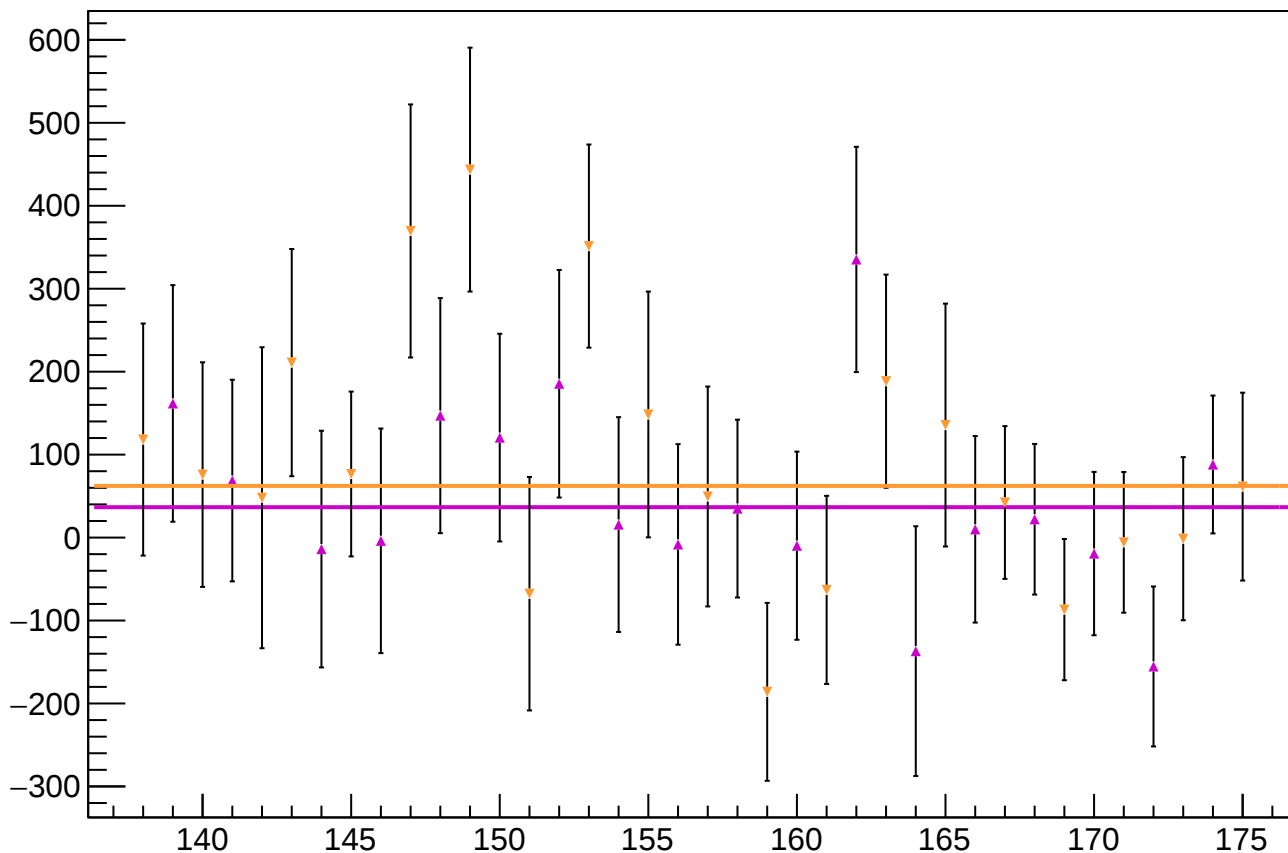
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 335.293+/-0.063 χ^2/NDF :205885.6/17

Out: 336.362+/-0.062 χ^2/NDF :251025.2/19

All: 335.841+/-0.044 χ^2/NDF : 457056.7/37

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: 62.296 $\pm$ 26.280 χ^2 /NDF:30.9/19

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

Left In: 36.633 $\pm$ 27.373 χ^2 /NDF:14.5/17

Left: 49.987 $\pm$ 18.958 χ^2 /NDF: 45.9/37

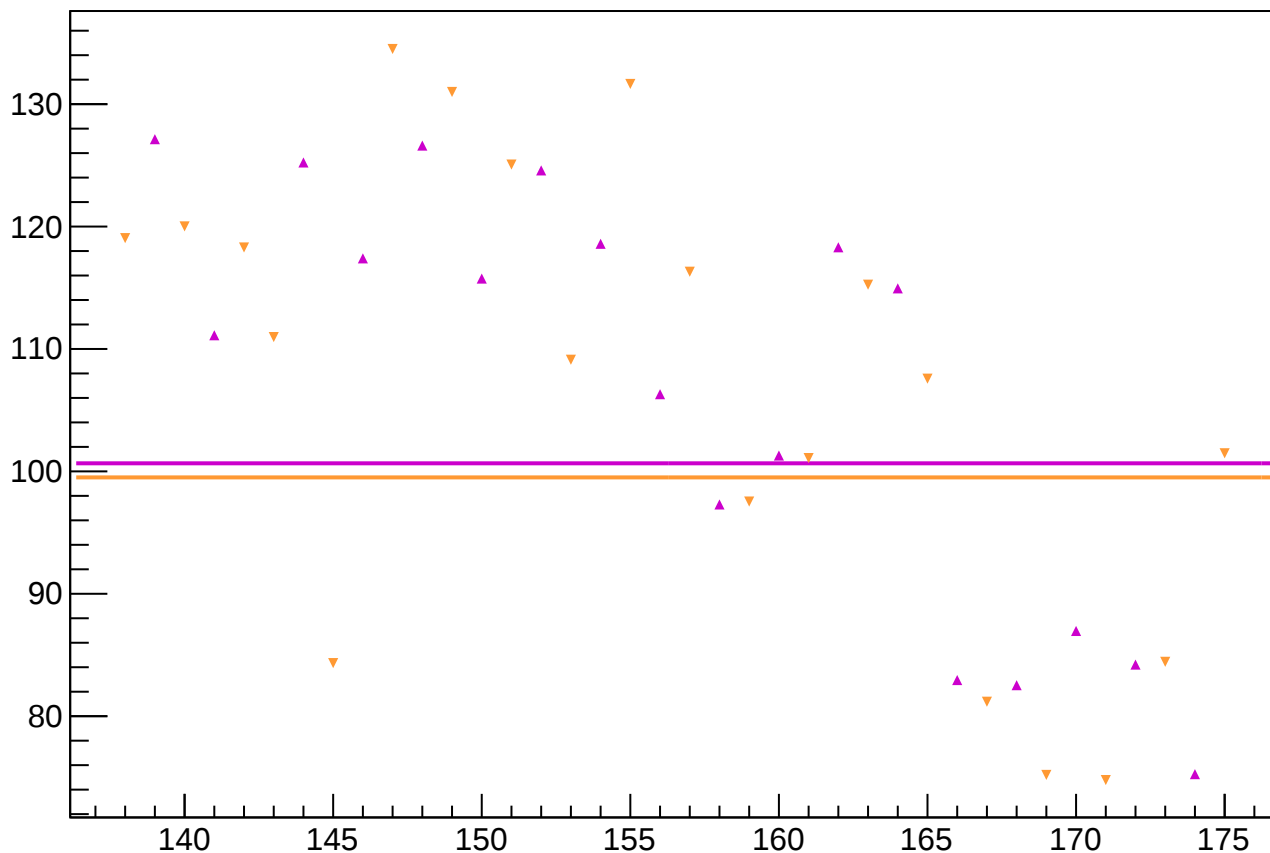
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 36.633 $\pm$ 27.373 χ^2 /NDF:14.5/17

Out: 62.296 $\pm$ 26.280 χ^2 /NDF:30.9/19

All: 49.987 $\pm$ 18.958 χ^2 /NDF: 45.9/37

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



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

Left Out: 99.508+/-0.019 χ^2/NDF :1065652.4/19

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

Left In: 100.659+/-0.019 χ^2/NDF :840313.6/17

Left: 100.060+/-0.013 χ^2/NDF : 1907806.8/37

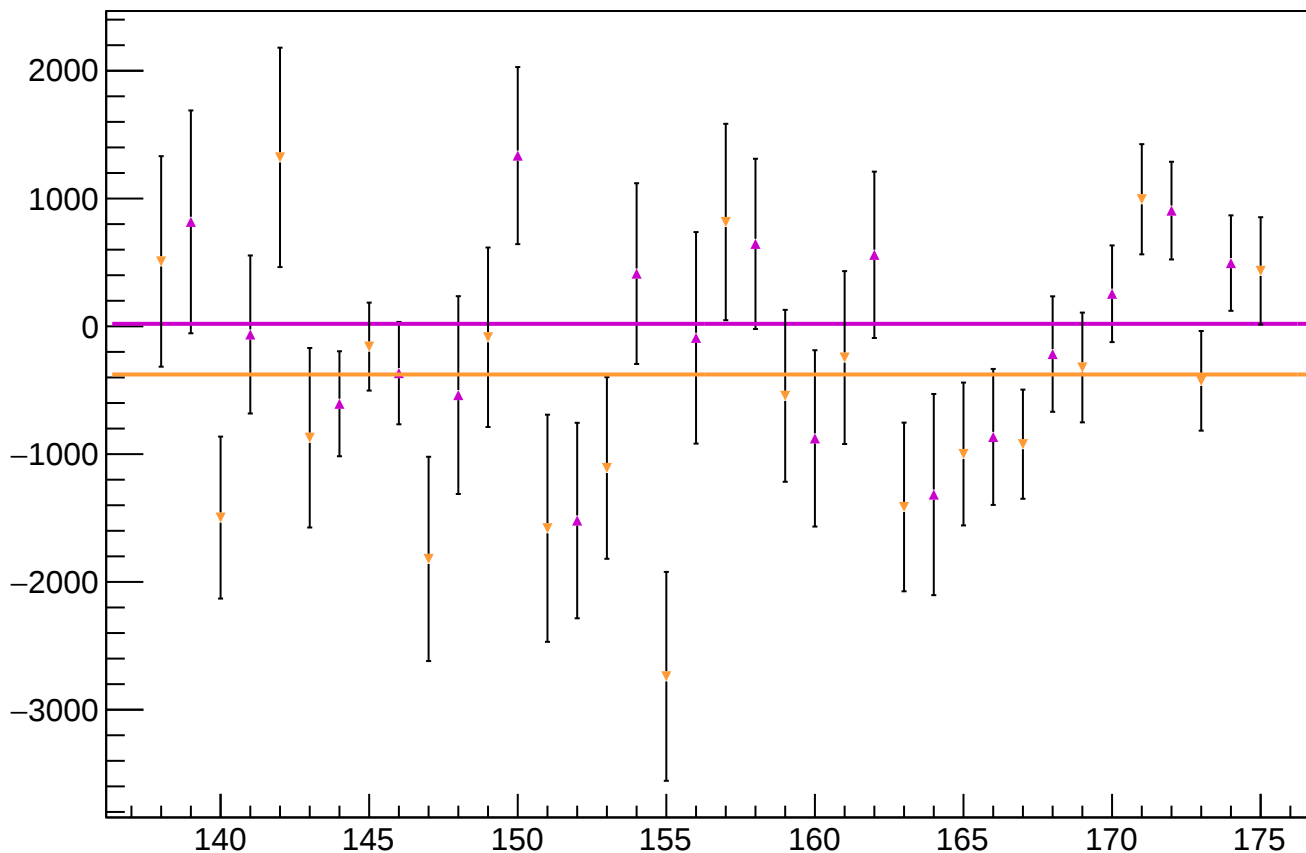
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 100.659+/-0.019 χ^2/NDF :840313.6/17

Out: 99.508+/-0.019 χ^2/NDF :1065652.4/19

All: 100.060+/-0.013 χ^2/NDF : 1907806.8/37

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -376.629+/-124.764 χ^2/NDF :45.5/19

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

Left In: 19.690+/-126.225 χ^2/NDF :29.2/17

Left: -180.776+/-88.733 χ^2/NDF : 79.6/37

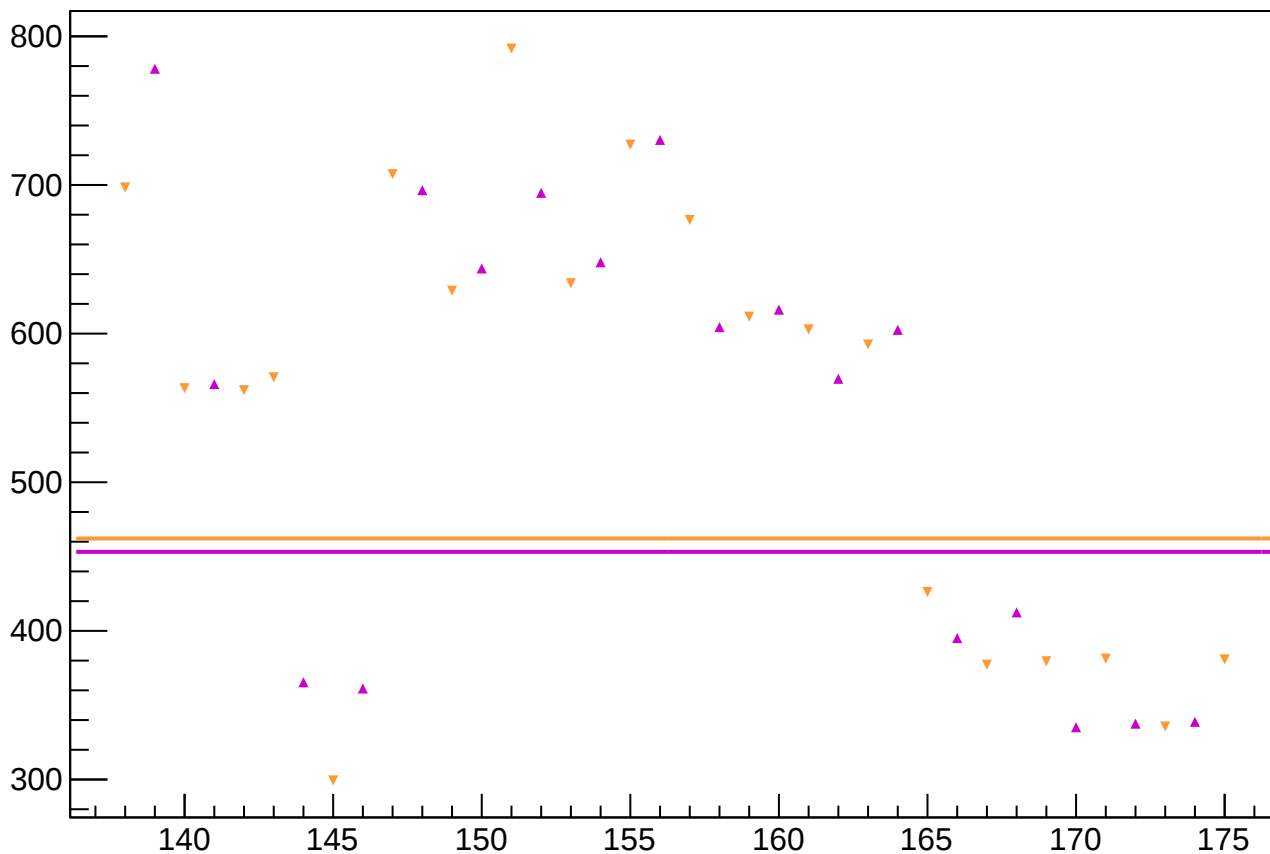
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 19.690+/-126.225 χ^2/NDF :29.2/17

Out: -376.629+/-124.764 χ^2/NDF :45.5/19

All: -180.776+/-88.733 χ^2/NDF : 79.6/37

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 462.148+/-0.088 χ^2/NDF :2575894.1/19

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

Left In: 453.177+/-0.089 χ^2/NDF :2421302.7/17

Left: 457.715+/-0.063 χ^2/NDF : 5002307.7/37

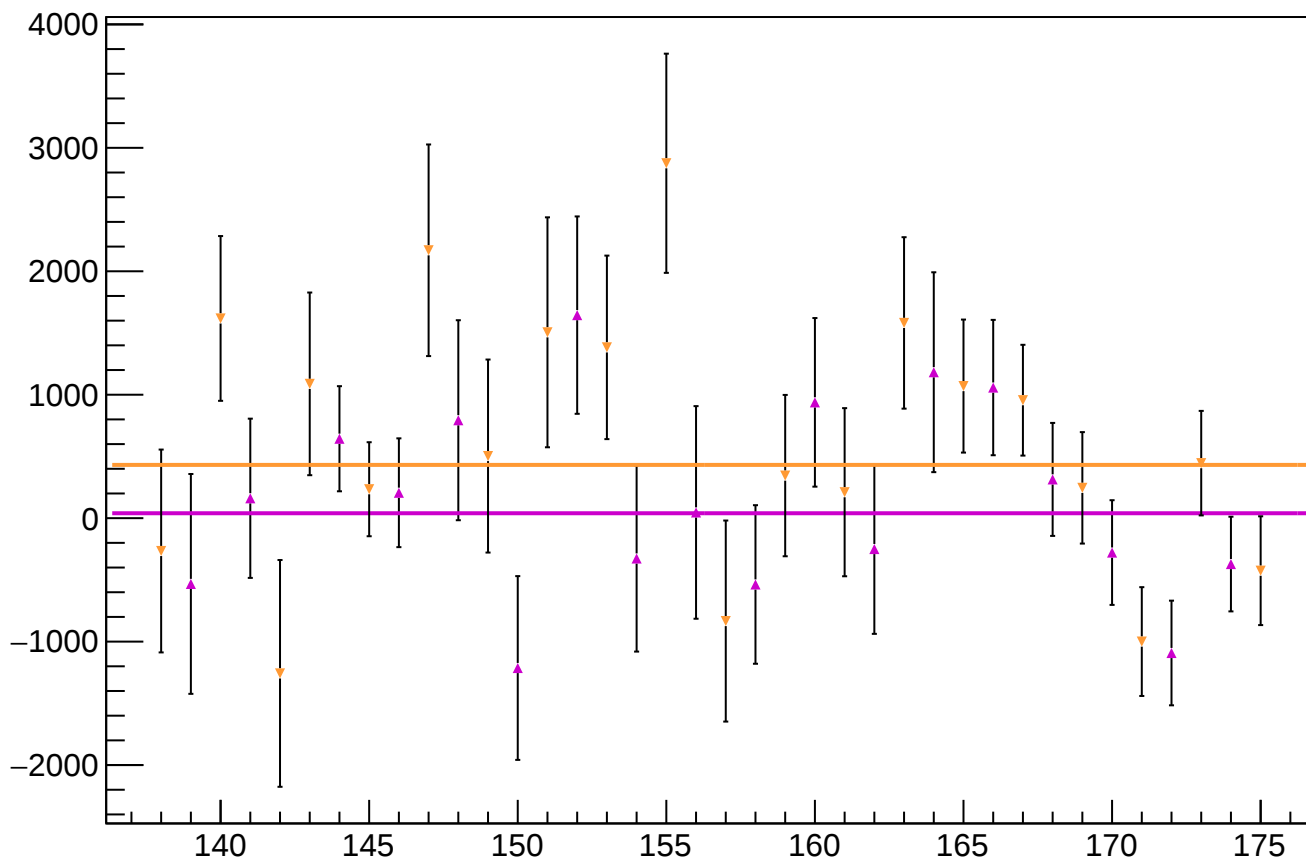
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 453.177+/-0.089 χ^2/NDF :2421302.7/17

Out: 462.148+/-0.088 χ^2/NDF :2575894.1/19

All: 457.715+/-0.063 χ^2/NDF : 5002307.7/37

asym_sam_26_avg_mean vs Slug, Sign Corrected



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

Left Out: 431.491+/-131.147 χ^2/NDF :45.5/19

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

Left In: 39.871+/-132.958 χ^2/NDF :27.9/17

Left: 238.366+/-93.368 χ^2/NDF : 77.9/37

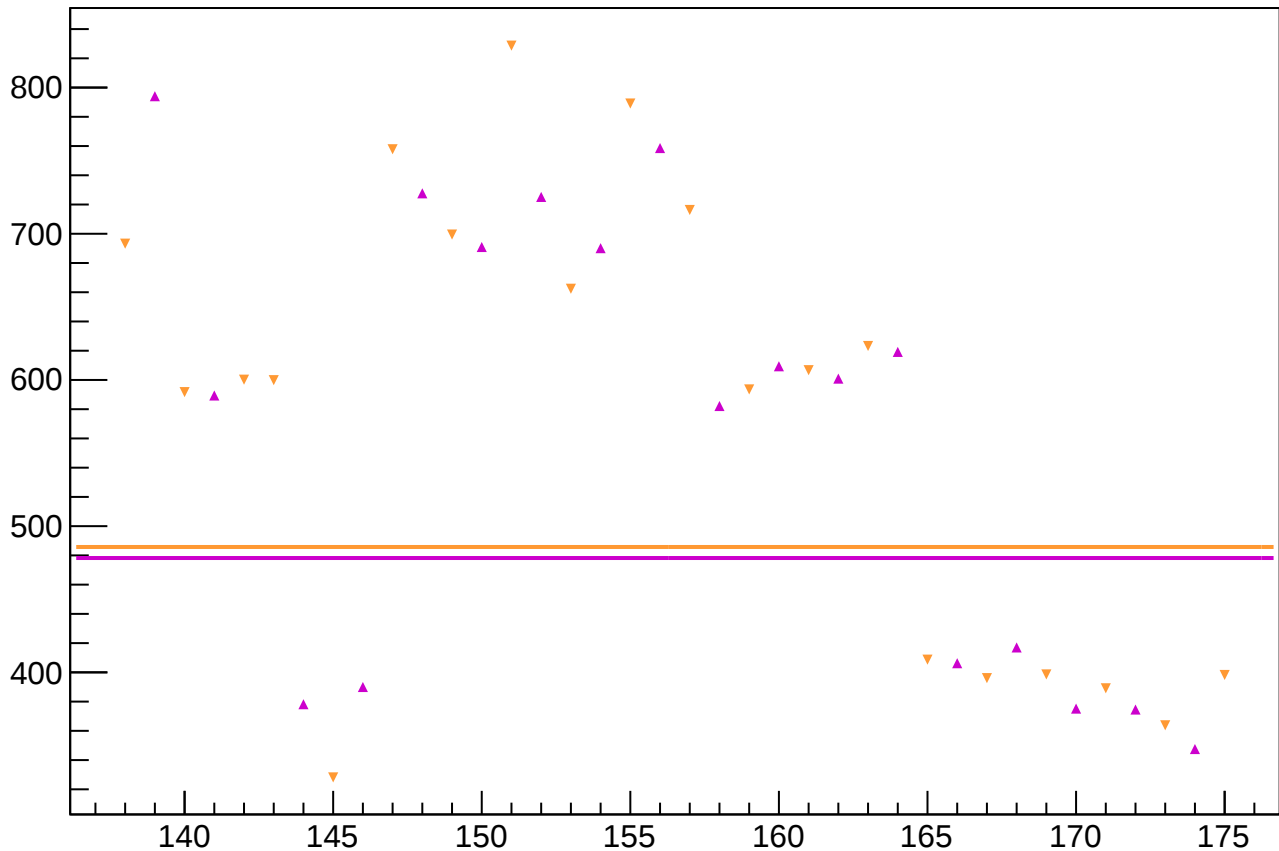
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 39.871+/-132.958 χ^2/NDF :27.9/17

Out: 431.491+/-131.147 χ^2/NDF :45.5/19

All: 238.366+/-93.368 χ^2/NDF : 77.9/37

asym_sam_26_avg_rms vs Slug, Sign Corrected



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

Left Out: 485.756+/-0.093 χ^2/NDF :2460303.9/19

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

Left In: 478.210+/-0.094 χ^2/NDF :2205912.2/17

Left: 482.035+/-0.066 χ^2/NDF : 4669480.9/37

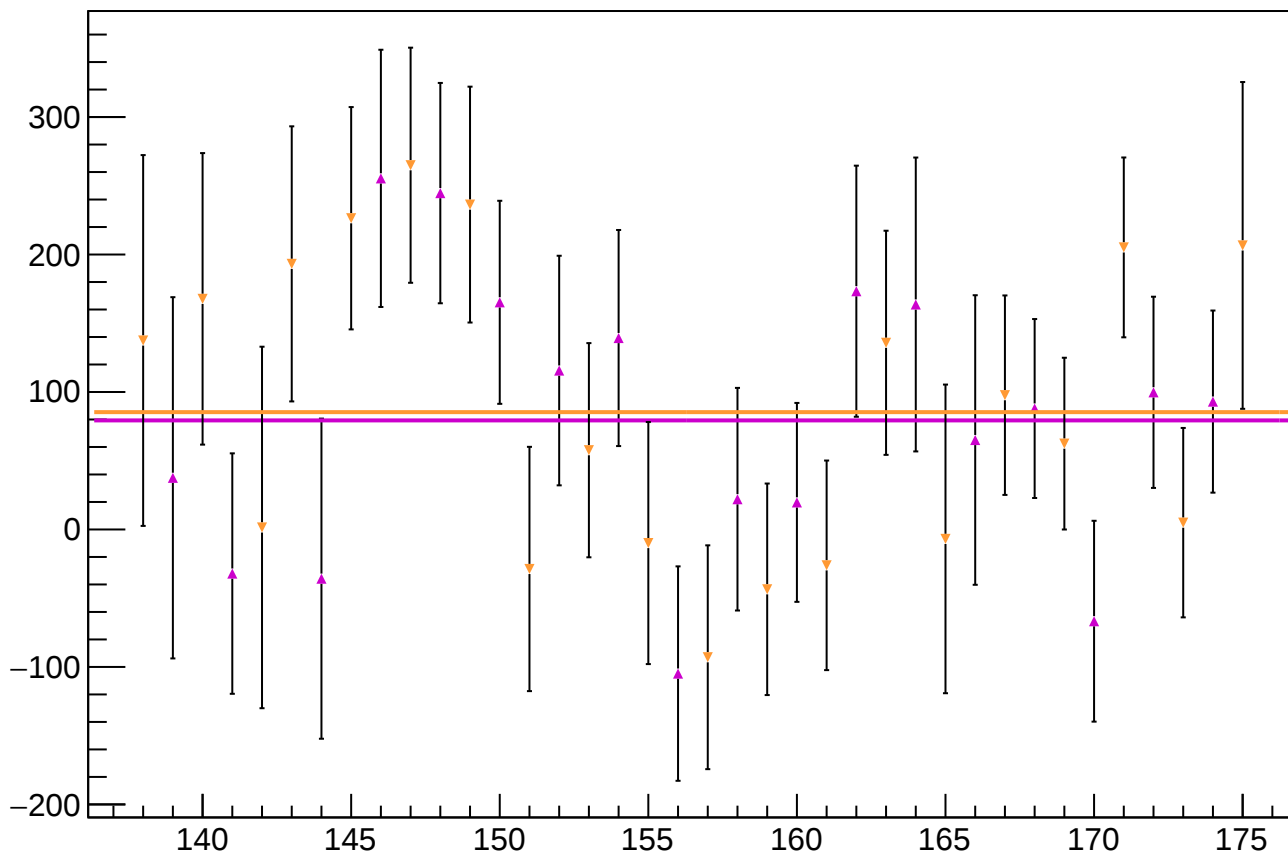
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 478.210+/-0.094 χ^2/NDF :2205912.2/17

Out: 485.756+/-0.093 χ^2/NDF :2460303.9/19

All: 482.035+/-0.066 χ^2/NDF : 4669480.9/37

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: 85.352 $\pm$ 18.794 χ^2 /NDF:32.5/19

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

Left In: 79.334 $\pm$ 19.299 χ^2 /NDF:25.2/17

Left: 82.423 $\pm$ 13.465 χ^2 /NDF: 57.8/37

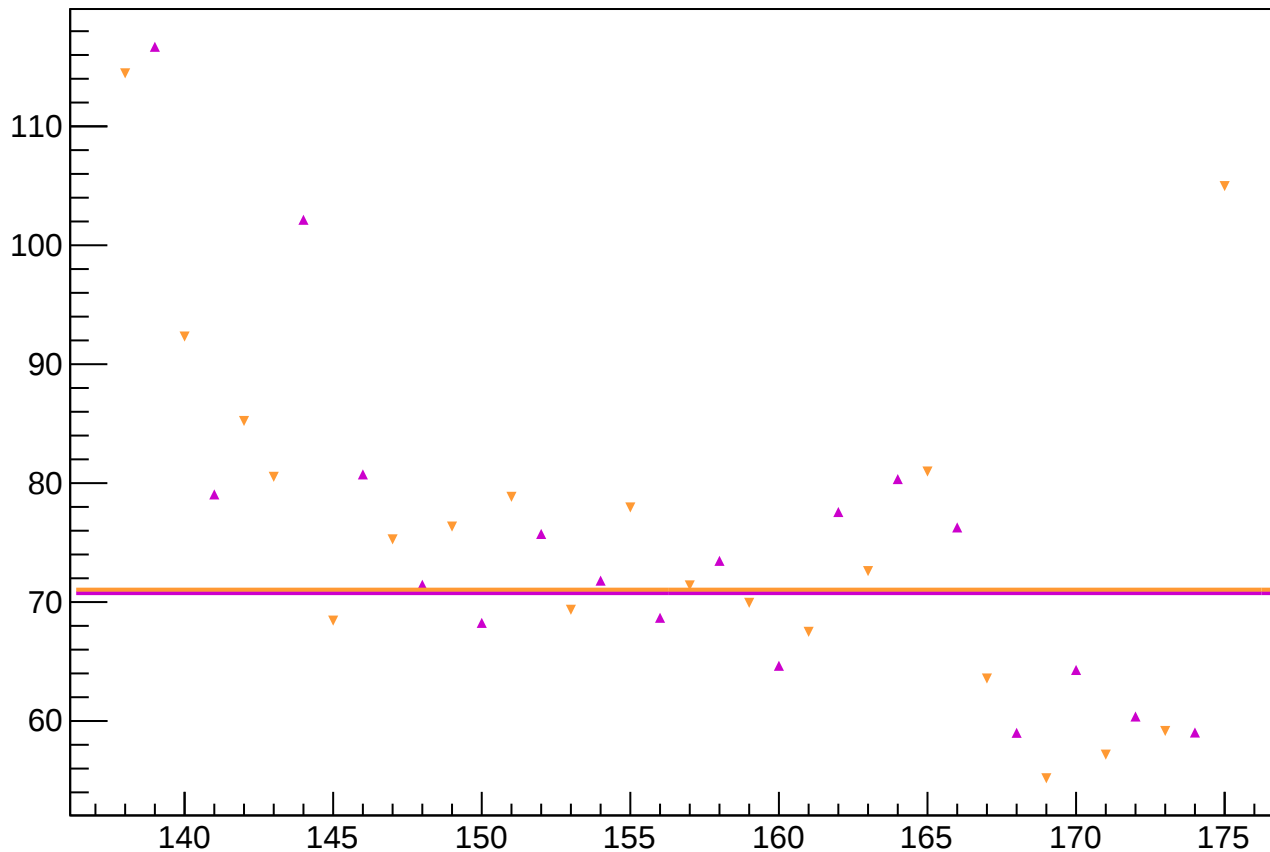
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 79.334 $\pm$ 19.299 χ^2 /NDF:25.2/17

Out: 85.352 $\pm$ 18.794 χ^2 /NDF:32.5/19

All: 82.423 $\pm$ 13.465 χ^2 /NDF: 57.8/37

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



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

Left Out: 71.044+/-0.013 χ^2/NDF :856086.3/19

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

Left In: 70.752+/-0.014 χ^2/NDF :679120.5/17

Left: 70.902+/-0.010 χ^2/NDF : 1535440.6/37

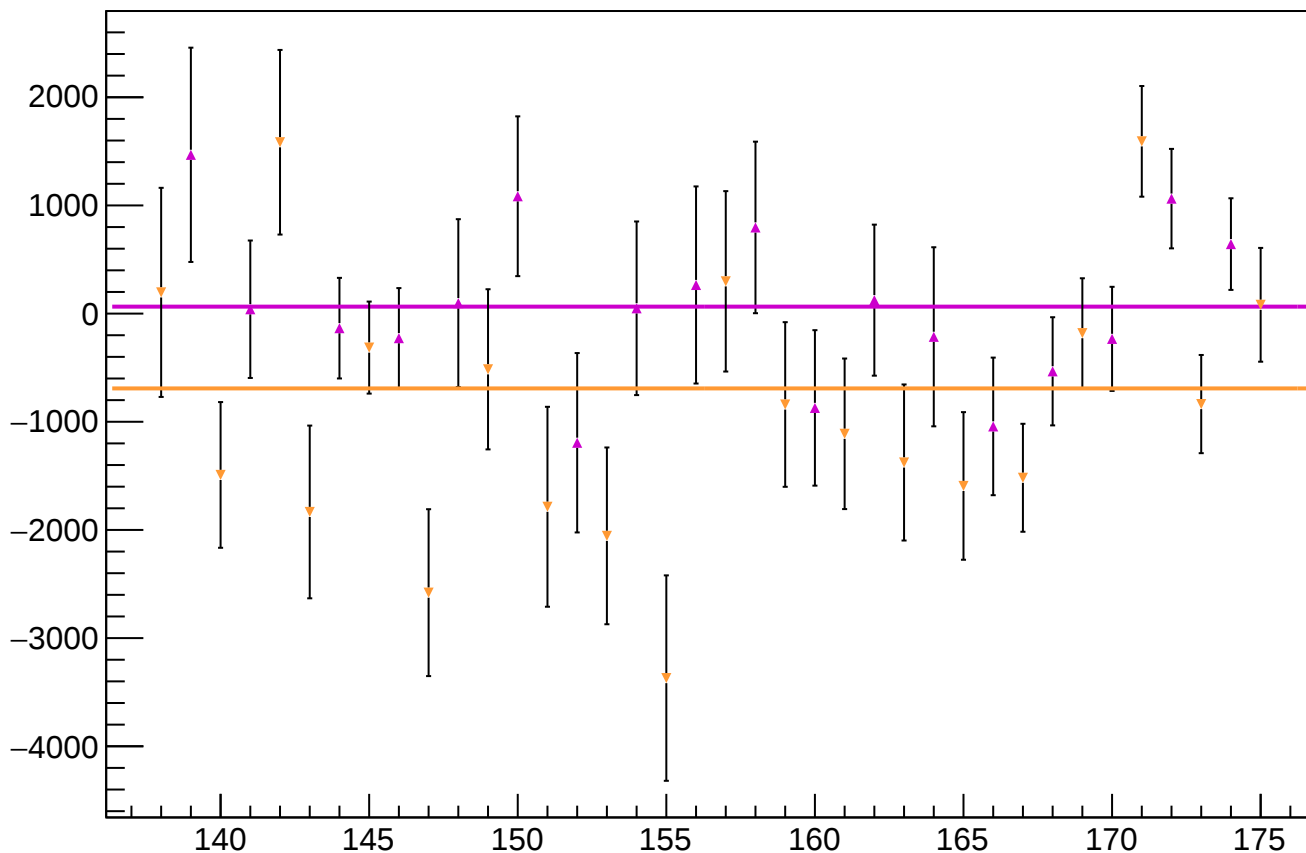
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 70.752+/-0.014 χ^2/NDF :679120.5/17

Out: 71.044+/-0.013 χ^2/NDF :856086.3/19

All: 70.902+/-0.010 χ^2/NDF : 1535440.6/37

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -691.726+/-143.573 χ^2/NDF :60.8/19

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

Left In: 64.379+/-143.400 χ^2/NDF :20.9/17

Left: -313.217+/-101.460 χ^2/NDF : 95.6/37

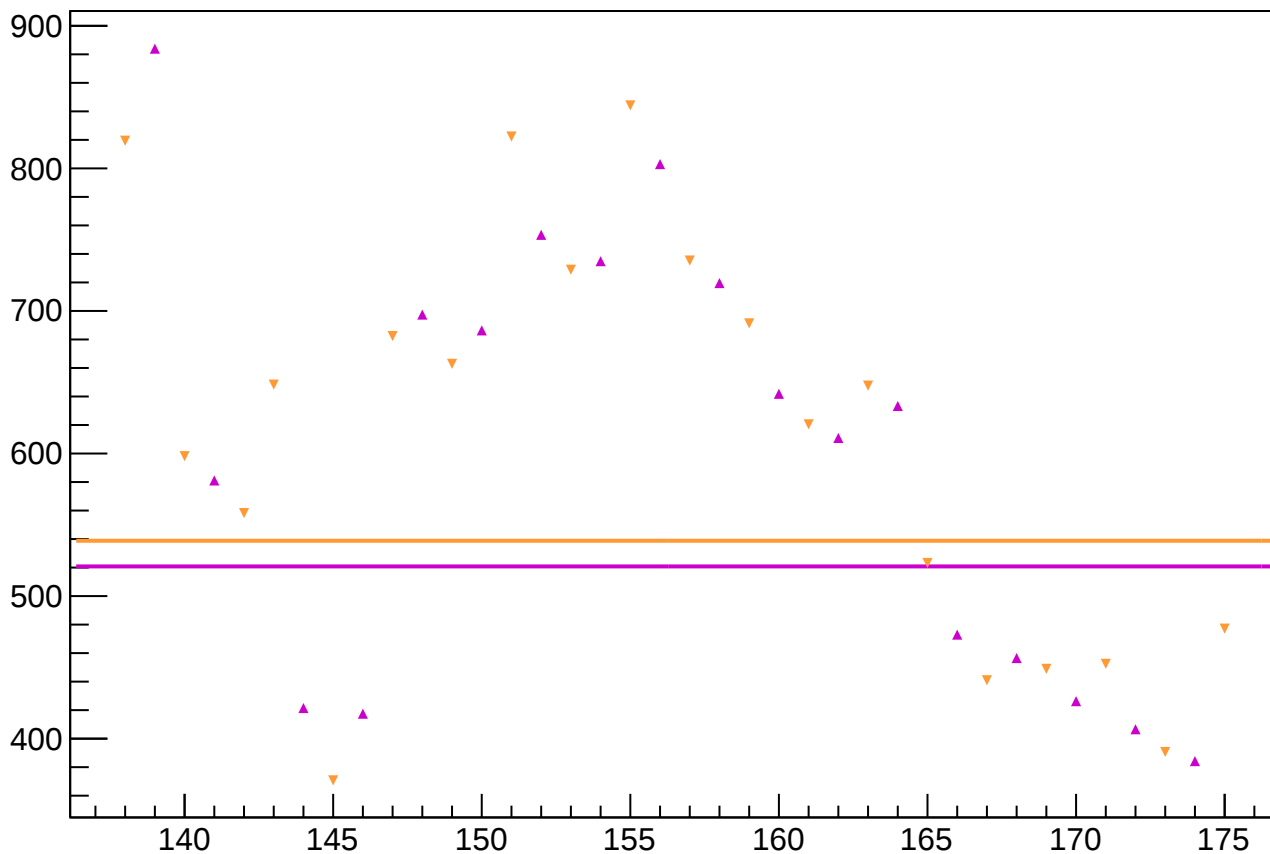
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 64.379+/-143.400 χ^2/NDF :20.9/17

Out: -691.726+/-143.573 χ^2/NDF :60.8/19

All: -313.217+/-101.460 χ^2/NDF : 95.6/37

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 538.819+/-0.102 χ^2/NDF :1866445.8/19

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

Left In: 520.811+/-0.101 χ^2/NDF :1879175.0/17

Left: 529.804+/-0.072 χ^2/NDF : 3761371.5/37

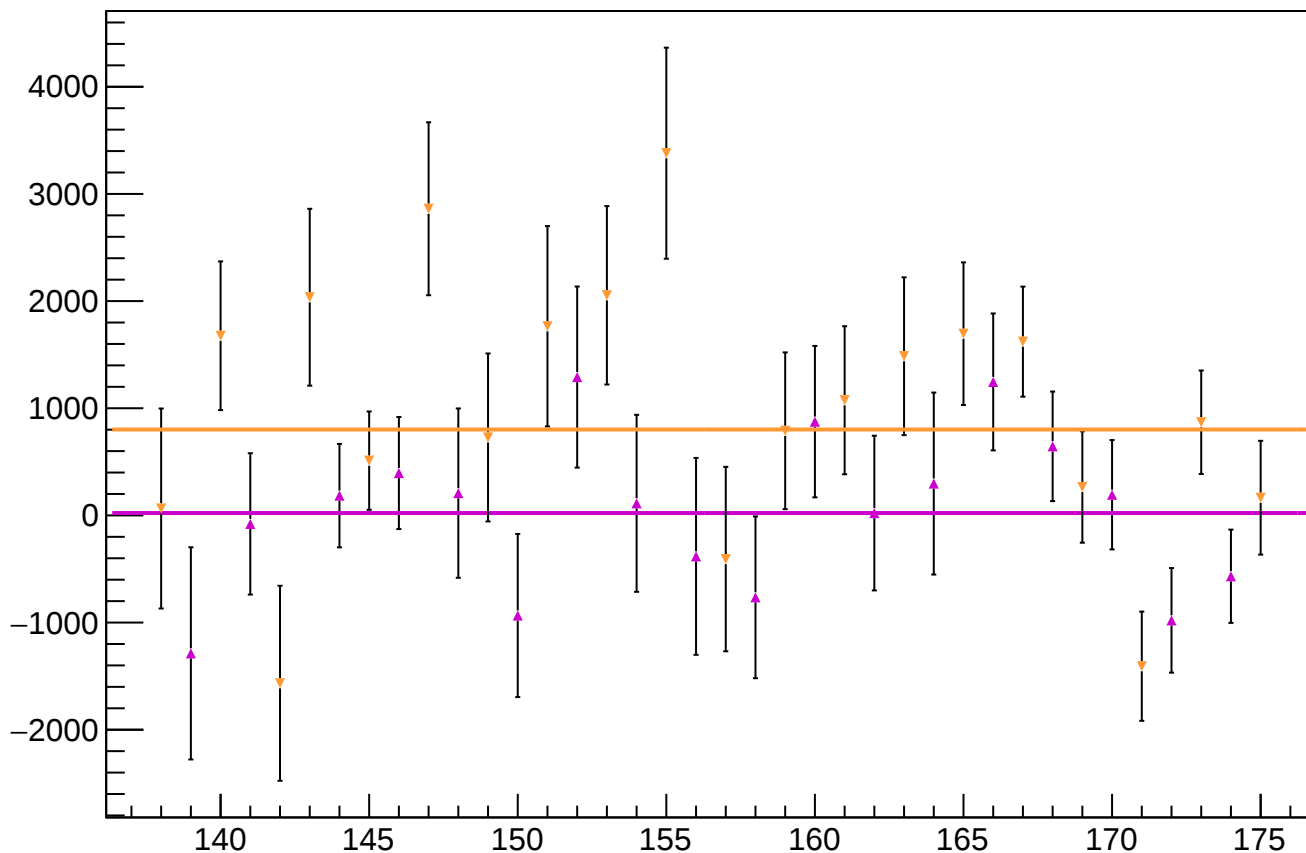
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 520.811+/-0.101 χ^2/NDF :1879175.0/17

Out: 538.819+/-0.102 χ^2/NDF :1866445.8/19

All: 529.804+/-0.072 χ^2/NDF : 3761371.5/37

asym_sam_37_avg_mean vs Slug, Sign Corrected



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

Left Out: 801.699+/-147.396 χ^2/NDF :57.0/19

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

Left In: 22.065+/-148.562 χ^2/NDF :20.5/17

Left: 414.953+/-104.635 χ^2/NDF : 91.3/37

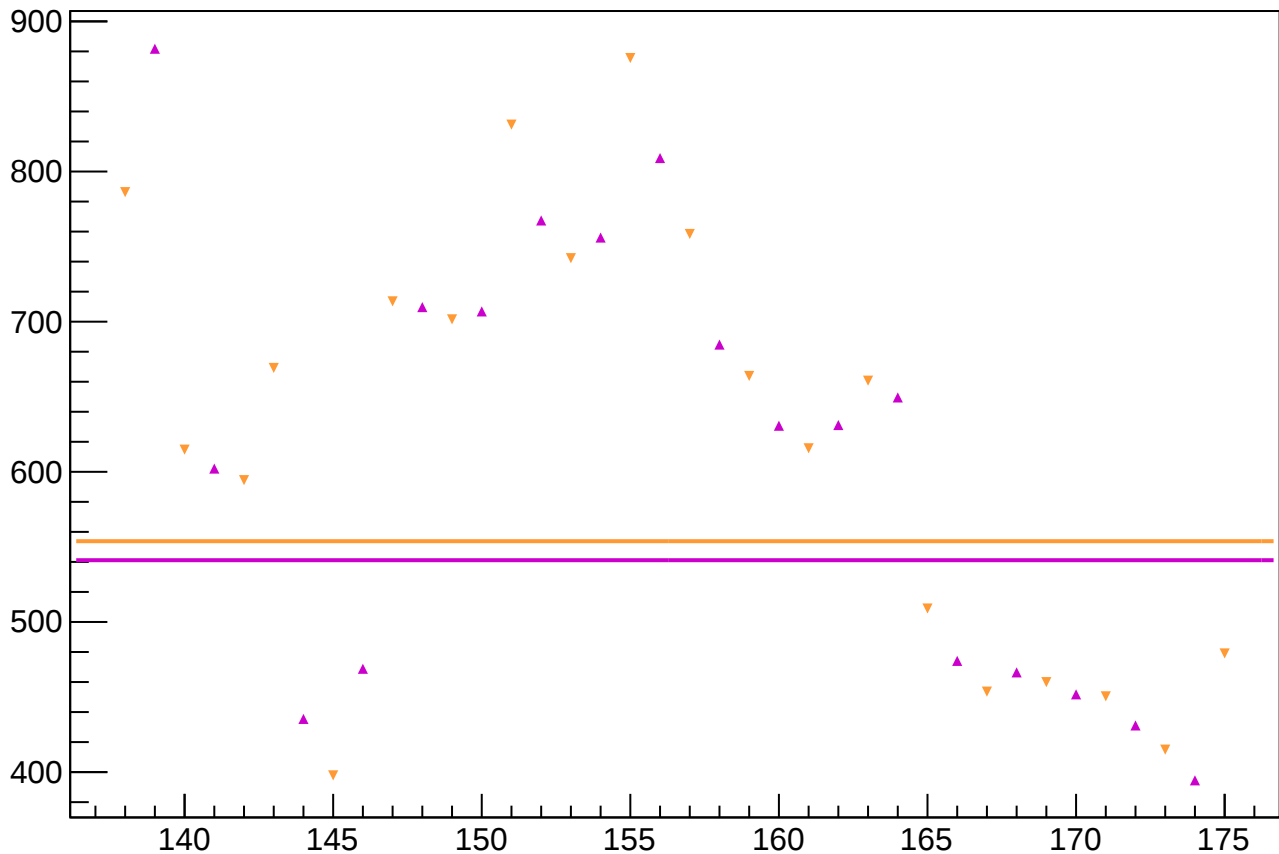
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 22.065+/-148.562 χ^2/NDF :20.5/17

Out: 801.699+/-147.396 χ^2/NDF :57.0/19

All: 414.953+/-104.635 χ^2/NDF : 91.3/37

asym_sam_37_avg_rms vs Slug, Sign Corrected



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

Left Out: 553.800+/-0.104 χ^2/NDF :1709640.7/19

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

Left In: 541.134+/-0.105 χ^2/NDF :1645632.1/17

Left: 547.517+/-0.074 χ^2/NDF : 3362599.1/37

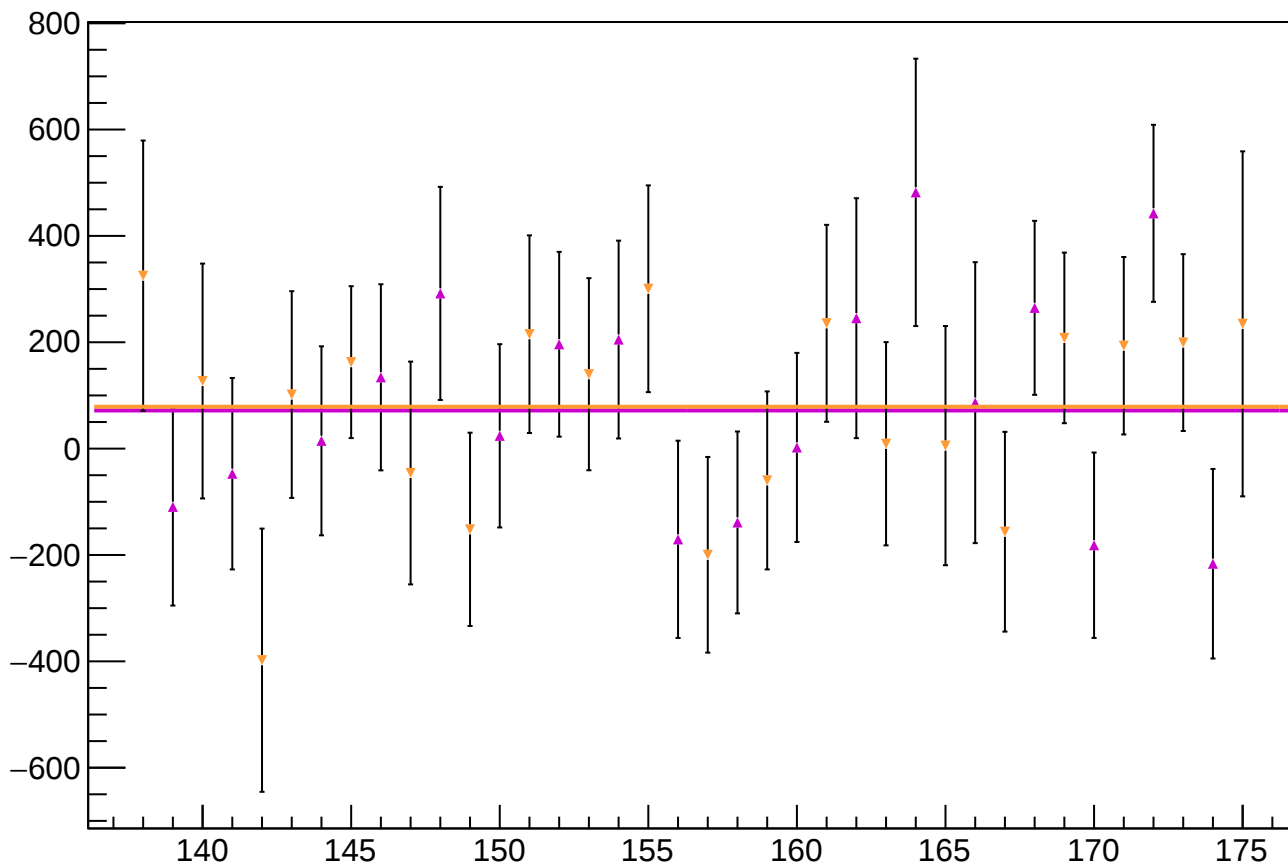
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 541.134+/-0.105 χ^2/NDF :1645632.1/17

Out: 553.800+/-0.104 χ^2/NDF :1709640.7/19

All: 547.517+/-0.074 χ^2/NDF : 3362599.1/37

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: 78.752 $\pm$ 42.359 χ^2 /NDF:16.4/19

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

Left In: 71.752 $\pm$ 43.543 χ^2 /NDF:21.6/17

Left: 75.349 $\pm$ 30.362 χ^2 /NDF: 38.0/37

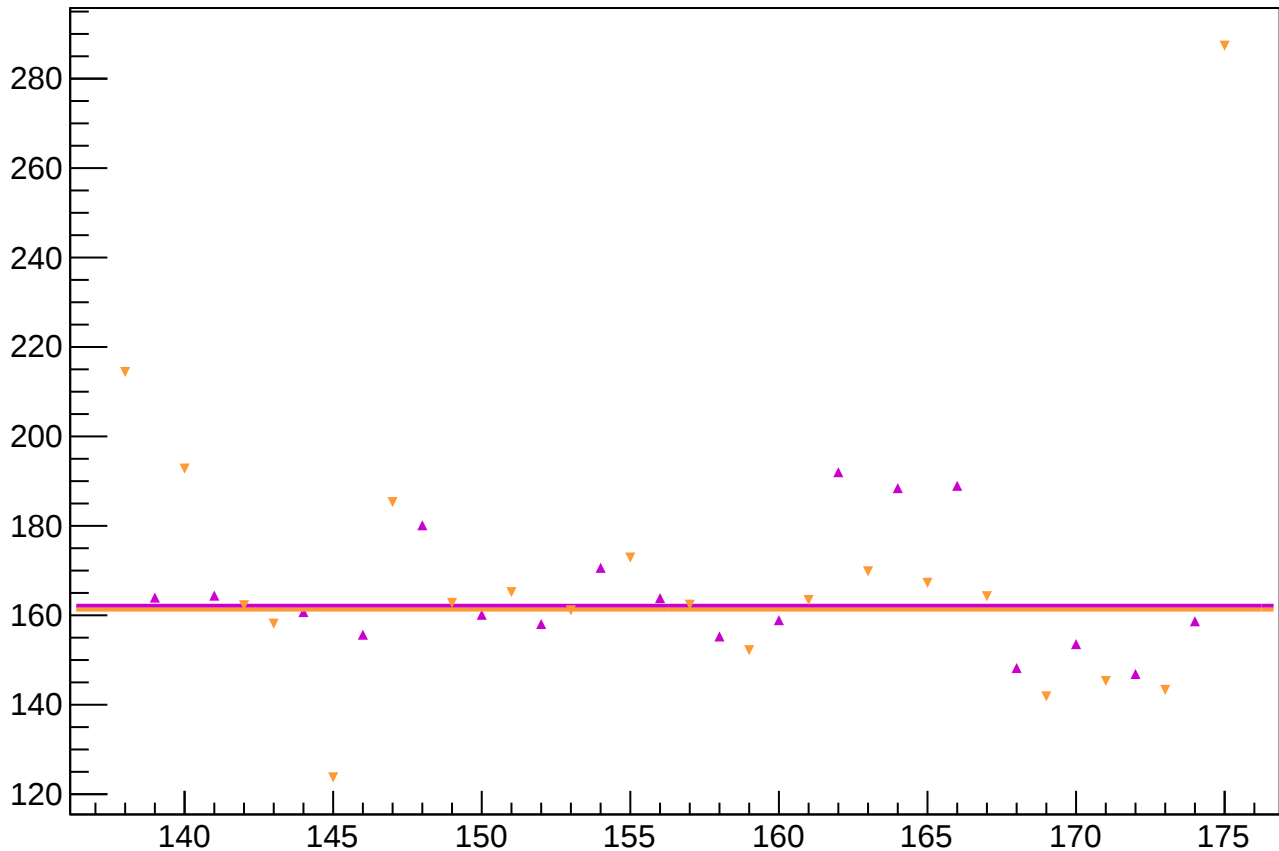
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 71.752 $\pm$ 43.543 χ^2 /NDF:21.6/17

Out: 78.752 $\pm$ 42.359 χ^2 /NDF:16.4/19

All: 75.349 $\pm$ 30.362 χ^2 /NDF: 38.0/37

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



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

Left Out: 161.277+/-0.030 χ^2/NDF :686504.6/19

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

Left In: 162.132+/-0.031 χ^2/NDF :143556.7/17

Left: 161.693+/-0.021 χ^2/NDF : 830457.4/37

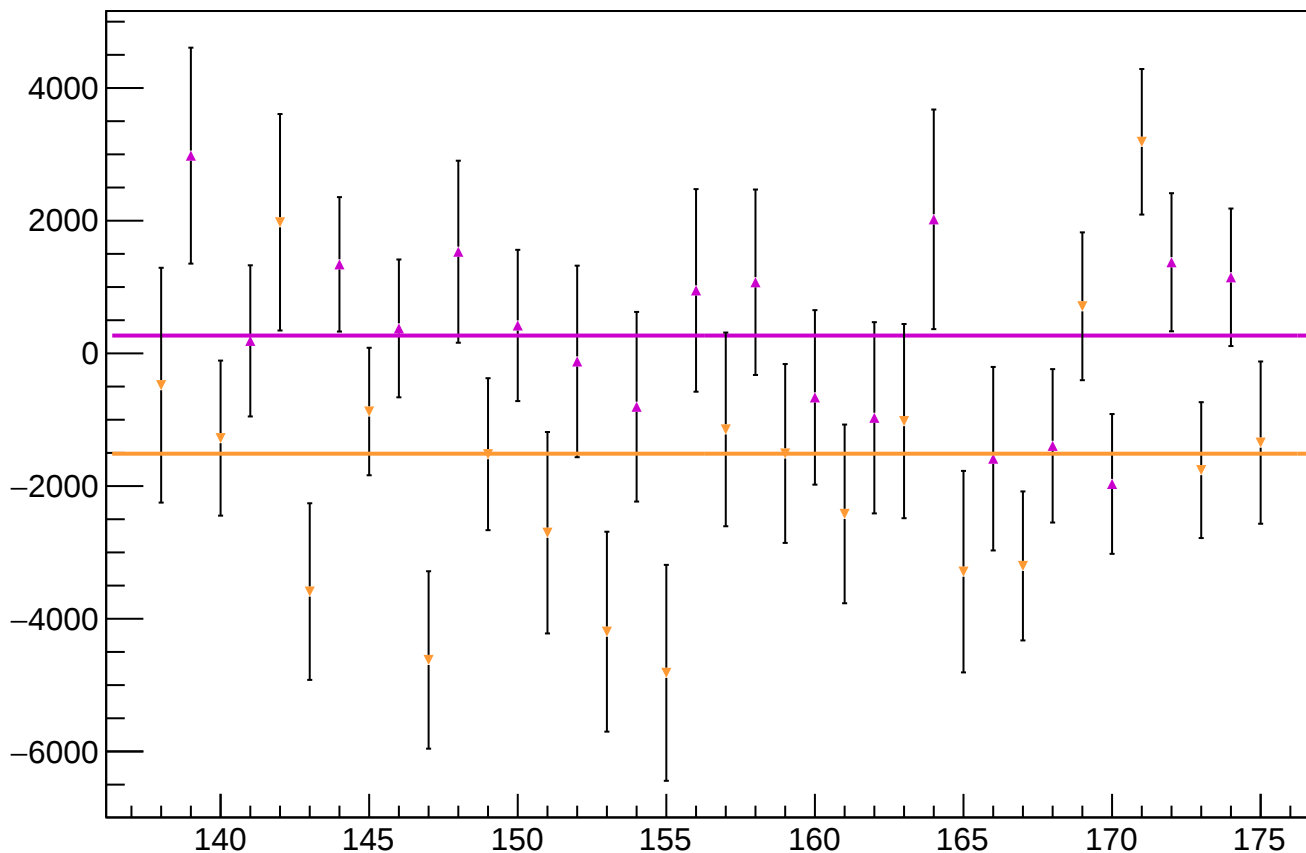
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 162.132+/-0.031 χ^2/NDF :143556.7/17

Out: 161.277+/-0.030 χ^2/NDF :686504.6/19

All: 161.693+/-0.021 χ^2/NDF : 830457.4/37

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1511.808 $\pm$ 286.635 χ^2 /NDF:47.8/19

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

Left In: 268.795 $\pm$ 292.226 χ^2 /NDF:18.5/17

Left: -638.703 $\pm$ 204.630 χ^2 /NDF: 85.3/37

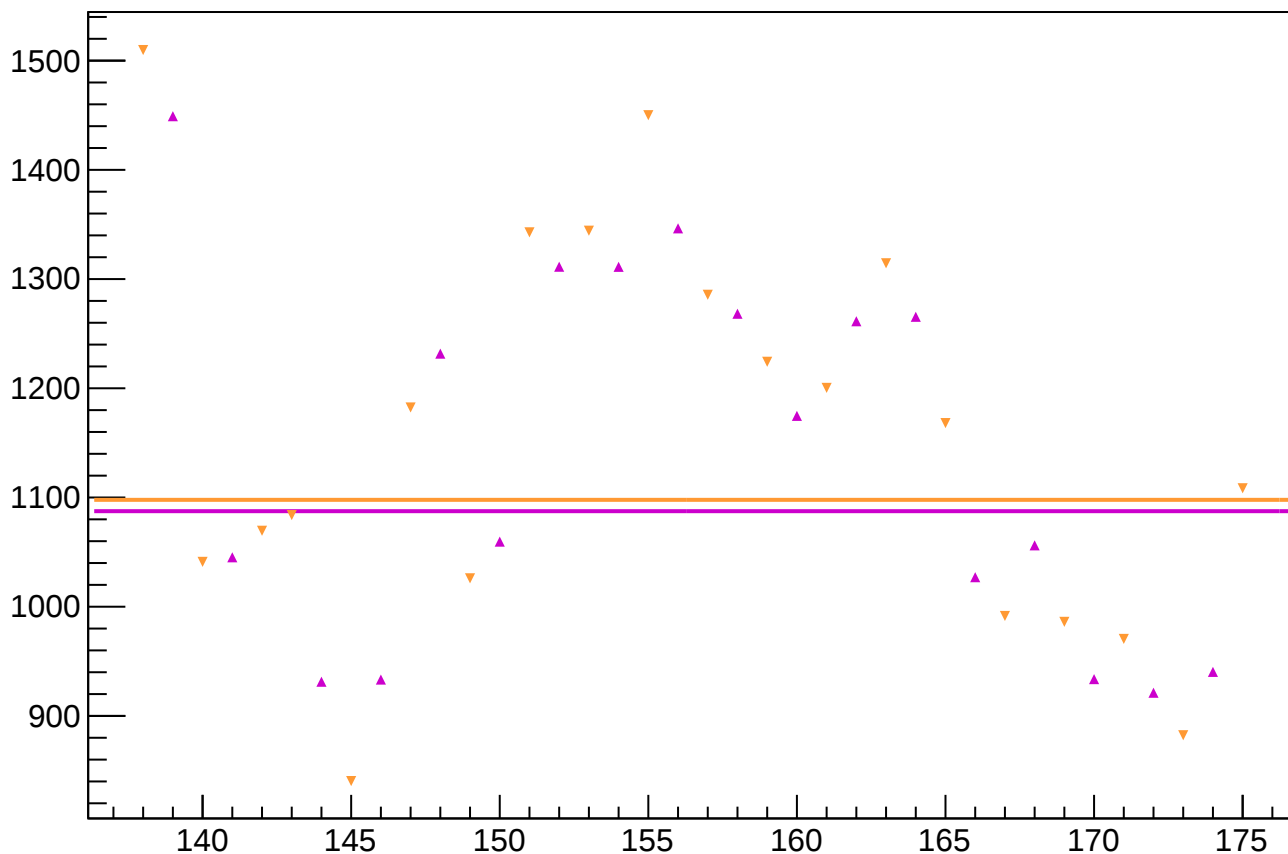
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 268.795 $\pm$ 292.226 χ^2 /NDF:18.5/17

Out: -1511.808 $\pm$ 286.635 χ^2 /NDF:47.8/19

All: -638.703 $\pm$ 204.630 χ^2 /NDF: 85.3/37

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1097.856+/-0.203 χ^2/NDF :736733.1/19

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

Left In: 1087.471+/-0.207 χ^2/NDF :604758.5/17

Left: 1092.764+/-0.145 χ^2/NDF : 1342779.0/37

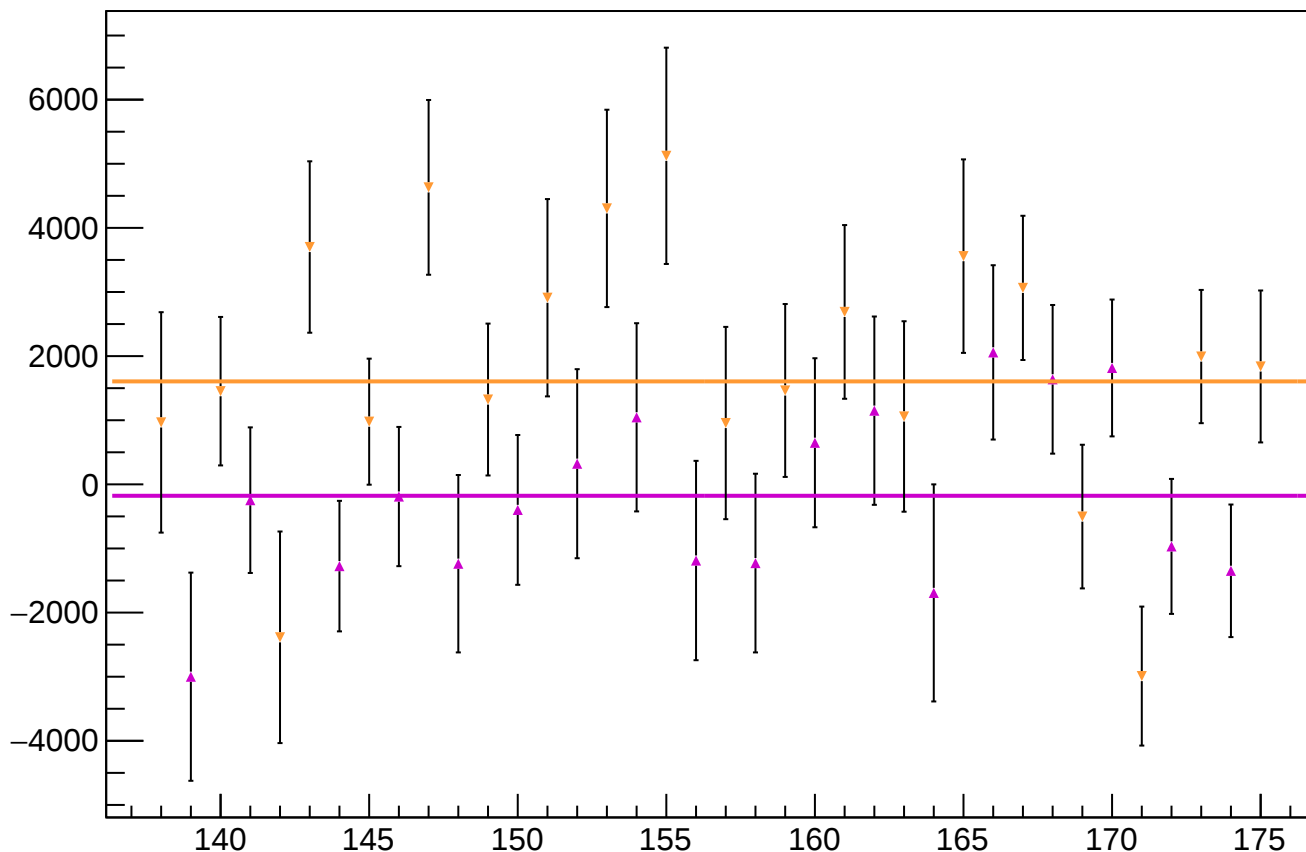
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1087.471+/-0.207 χ^2/NDF :604758.5/17

Out: 1097.856+/-0.203 χ^2/NDF :736733.1/19

All: 1092.764+/-0.145 χ^2/NDF : 1342779.0/37

asym_sam_48_avg_mean vs Slug, Sign Corrected



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

Left Out: 1605.700+/-288.642 χ^2/NDF :48.0/19

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

Left In: -178.227+/-295.324 χ^2/NDF :19.1/17

Left: 734.147+/-206.422 χ^2/NDF : 85.8/37

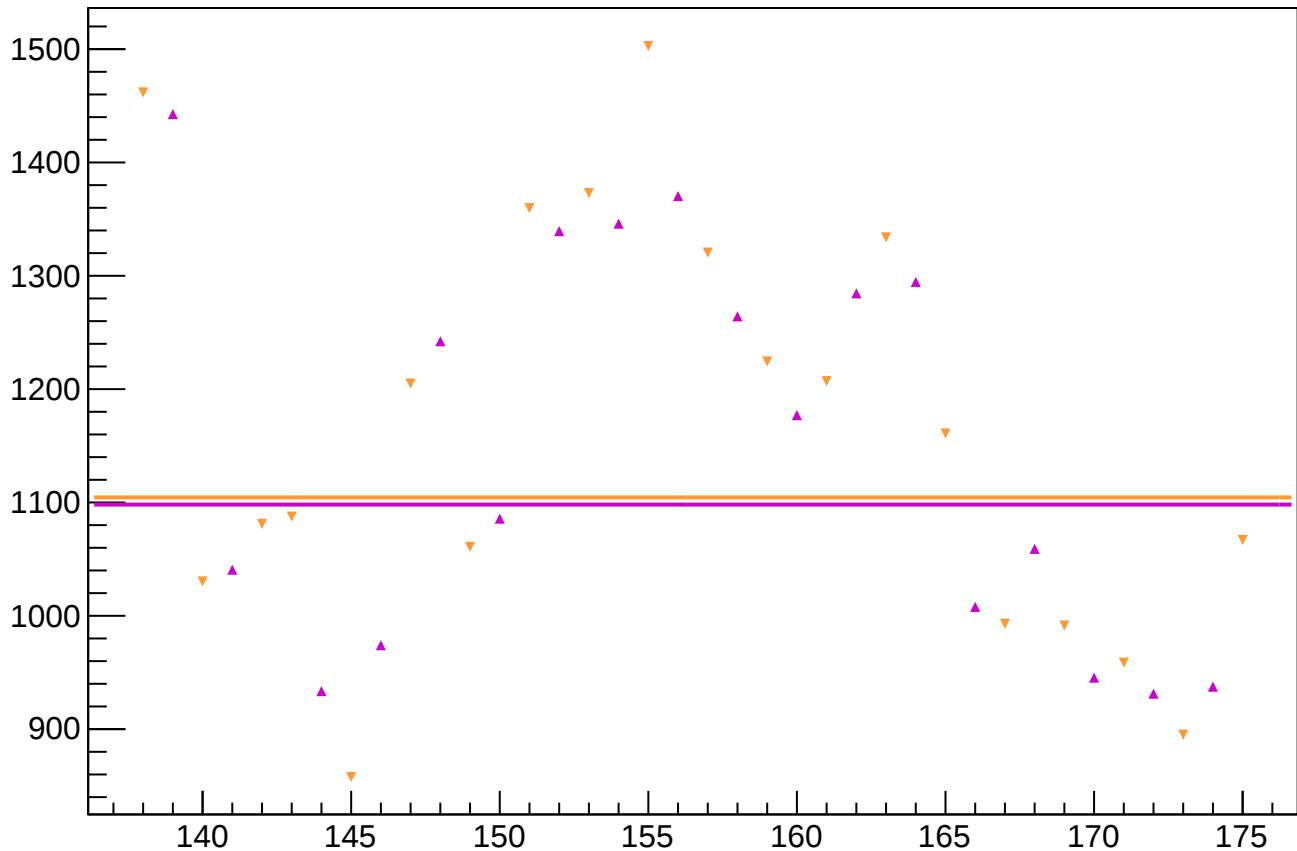
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -178.227+/-295.324 χ^2/NDF :19.1/17

Out: 1605.700+/-288.642 χ^2/NDF :48.0/19

All: 734.147+/-206.422 χ^2/NDF : 85.8/37

asym_sam_48_avg_rms vs Slug, Sign Corrected



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

Left Out: 1104.456+/-0.204 χ^2/NDF : 741023.1/19

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

Left In: 1098.148+/-0.209 χ^2/NDF : 612794.9/17

Left: 1101.374+/-0.146 χ^2/NDF : 1354284.7/37

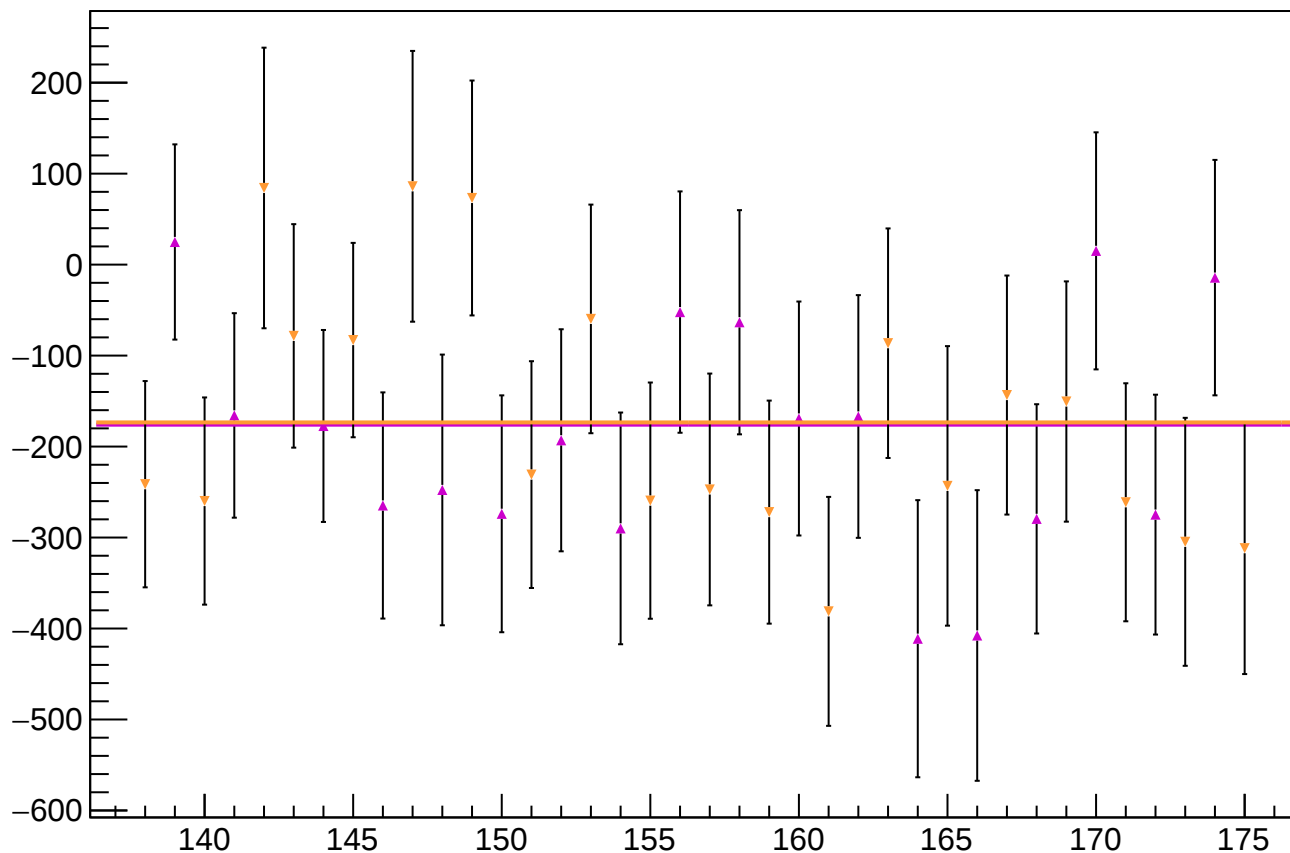
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1098.148+/-0.209 χ^2/NDF : 612794.9/17

Out: 1104.456+/-0.204 χ^2/NDF : 741023.1/19

All: 1101.374+/-0.146 χ^2/NDF : 1354284.7/37

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



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

Left Out: -173.461+/-28.638 χ^2/NDF :20.1/19

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

Left In: -175.925+/-29.956 χ^2/NDF :16.8/17

Left: -174.638+/-20.700 χ^2/NDF : 36.9/37

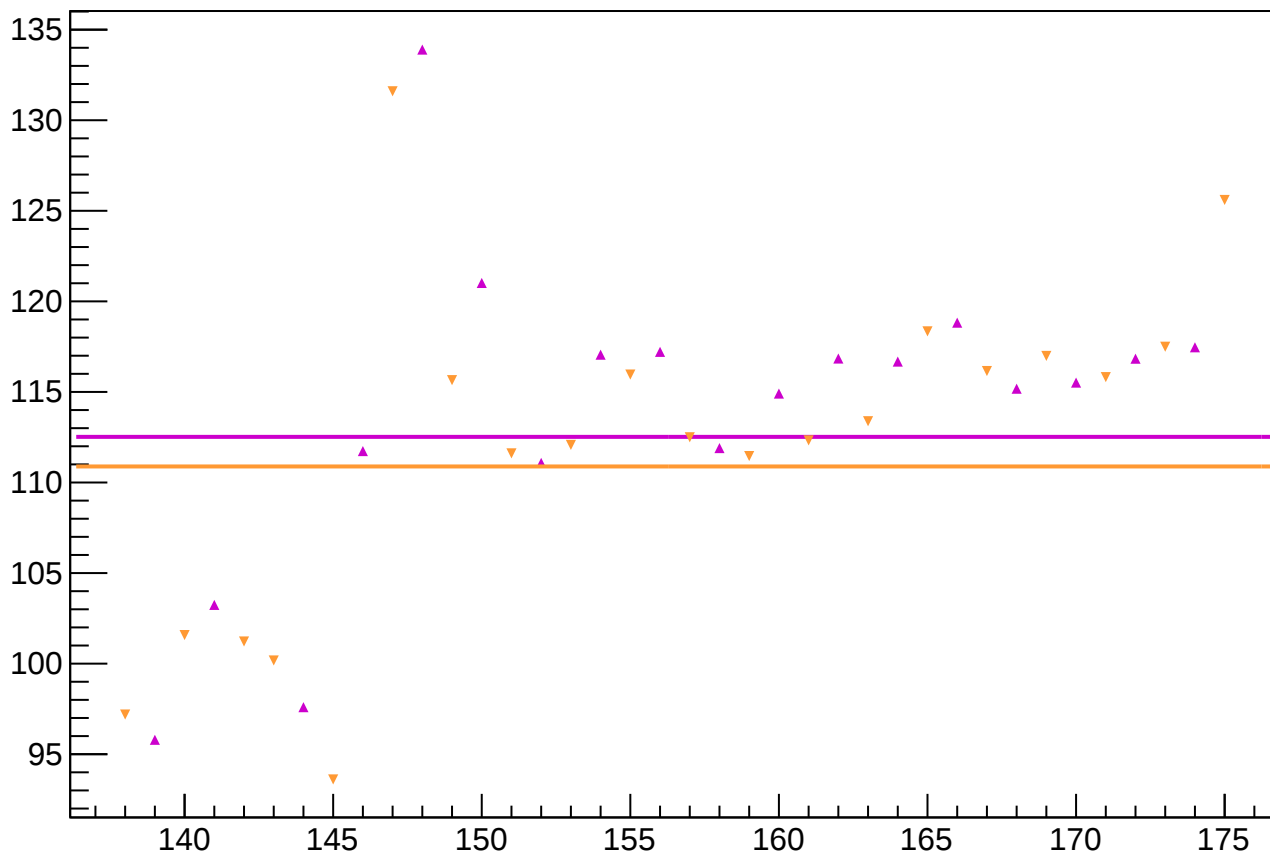
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -175.925+/-29.956 χ^2/NDF :16.8/17

Out: -173.461+/-28.638 χ^2/NDF :20.1/19

All: -174.638+/-20.700 χ^2/NDF : 36.9/37

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



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

Left Out: 110.886+/-0.020 χ^2/NDF :206453.2/19

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

Left In: 112.520+/-0.021 χ^2/NDF :171903.0/17

Left: 111.666+/-0.015 χ^2/NDF : 381466.2/37

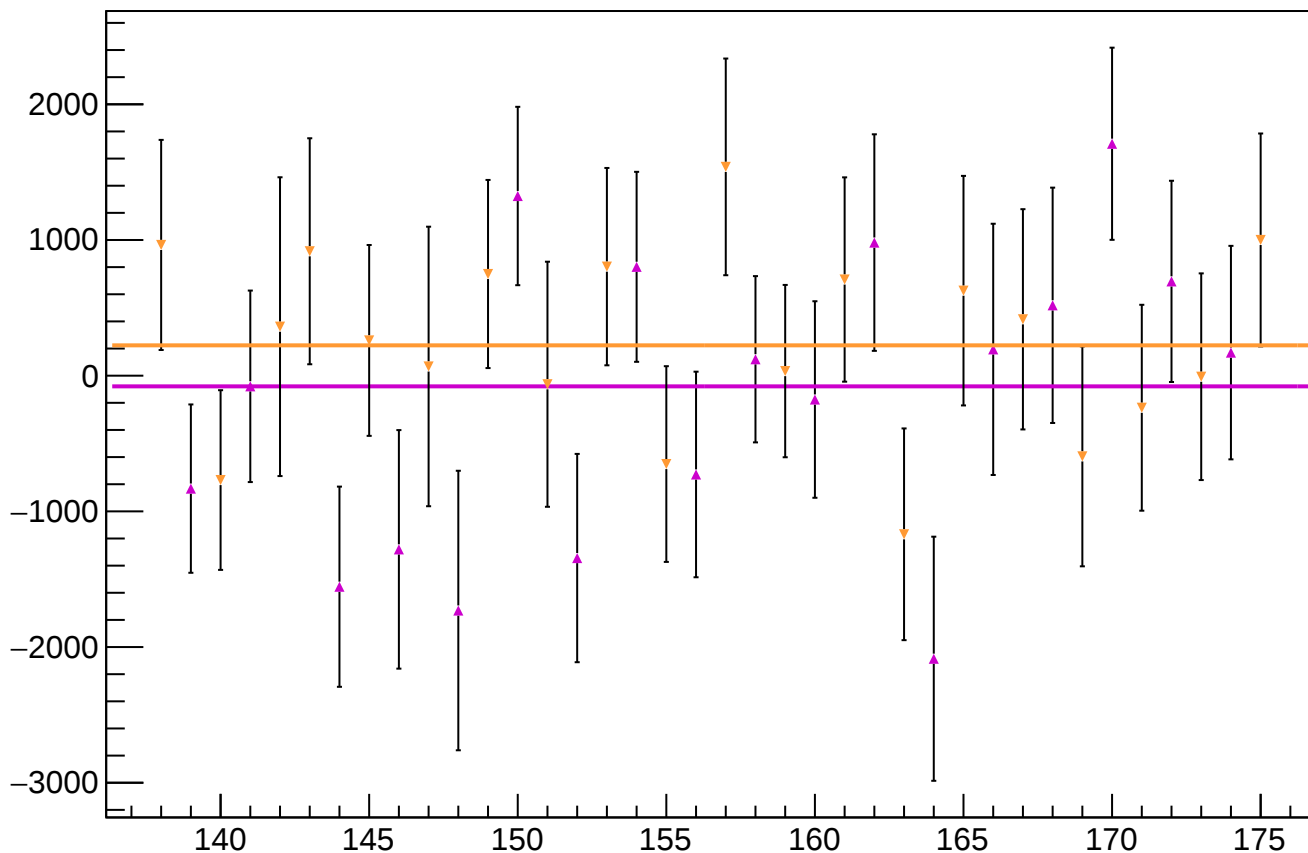
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 112.520+/-0.021 χ^2/NDF :171903.0/17

Out: 110.886+/-0.020 χ^2/NDF :206453.2/19

All: 111.666+/-0.015 χ^2/NDF : 381466.2/37

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 223.577+/-173.347 χ^2/NDF :15.8/19

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

Left In: -78.696+/-177.395 χ^2/NDF :34.5/17

Left: 75.929+/-123.981 χ^2/NDF : 51.8/37

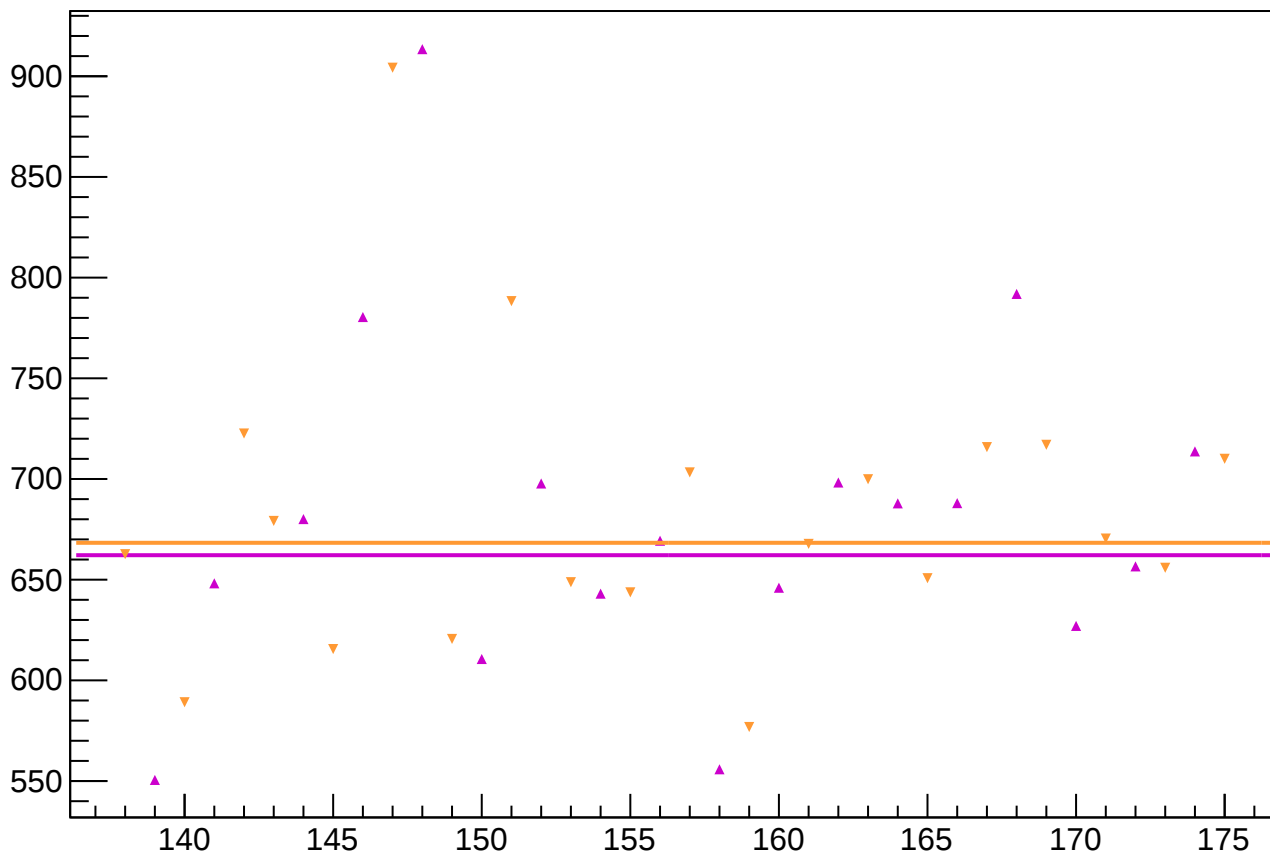
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -78.696+/-177.395 χ^2/NDF :34.5/17

Out: 223.577+/-173.347 χ^2/NDF :15.8/19

All: 75.929+/-123.981 χ^2/NDF : 51.8/37

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 668.319+/-0.123 χ^2/NDF :268392.4/19

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

Left In: 662.156+/-0.125 χ^2/NDF :367111.7/17

Left: 665.309+/-0.088 χ^2/NDF : 636738.8/37

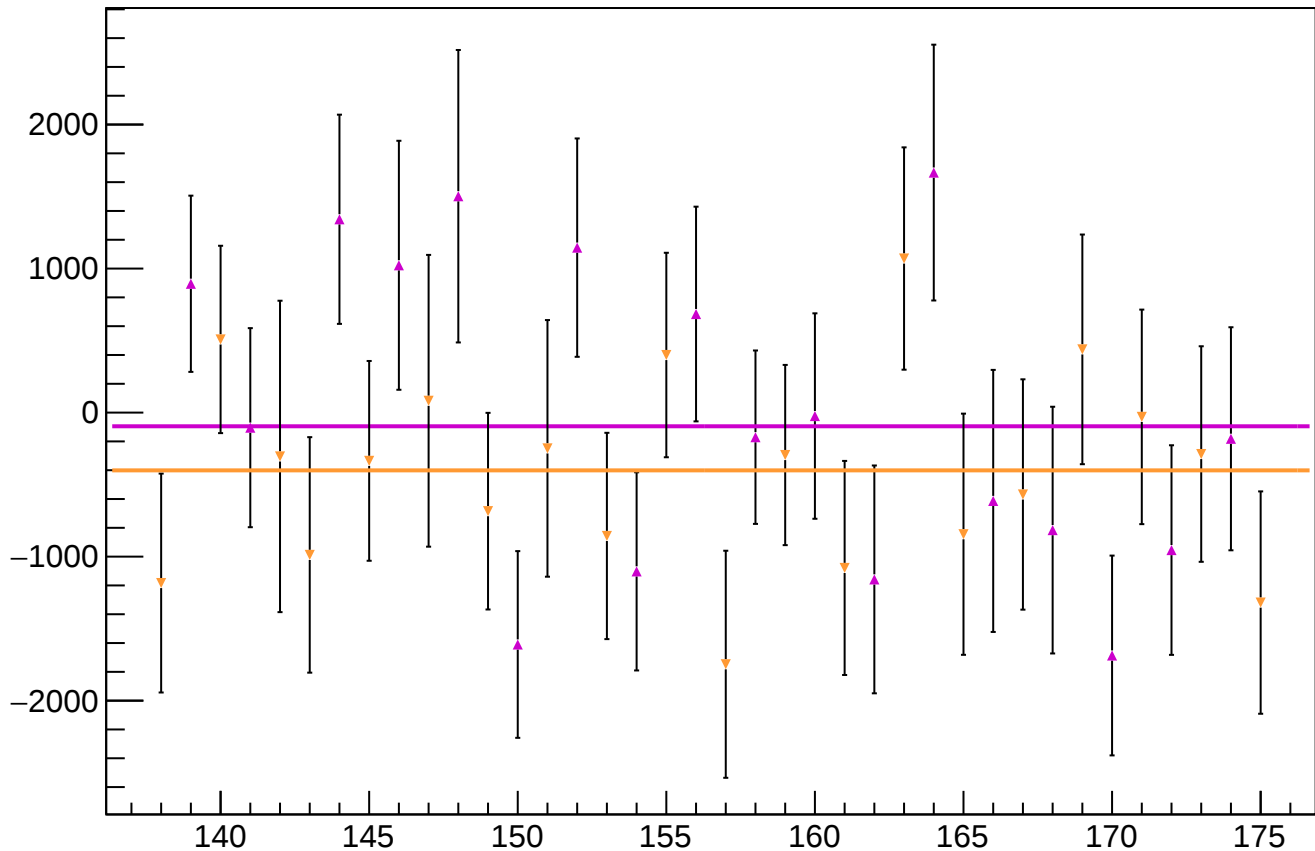
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 662.156+/-0.125 χ^2/NDF :367111.7/17

Out: 668.319+/-0.123 χ^2/NDF :268392.4/19

All: 665.309+/-0.088 χ^2/NDF : 636738.8/37

asym_sam_15_dd_mean vs Slug, Sign Corrected



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

Left Out: -401.111+/-170.686 χ^2/NDF :16.2/19

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

Left In: -94.963+/-174.603 χ^2/NDF :35.5/17

Left: -251.510+/-122.054 χ^2/NDF : 53.3/37

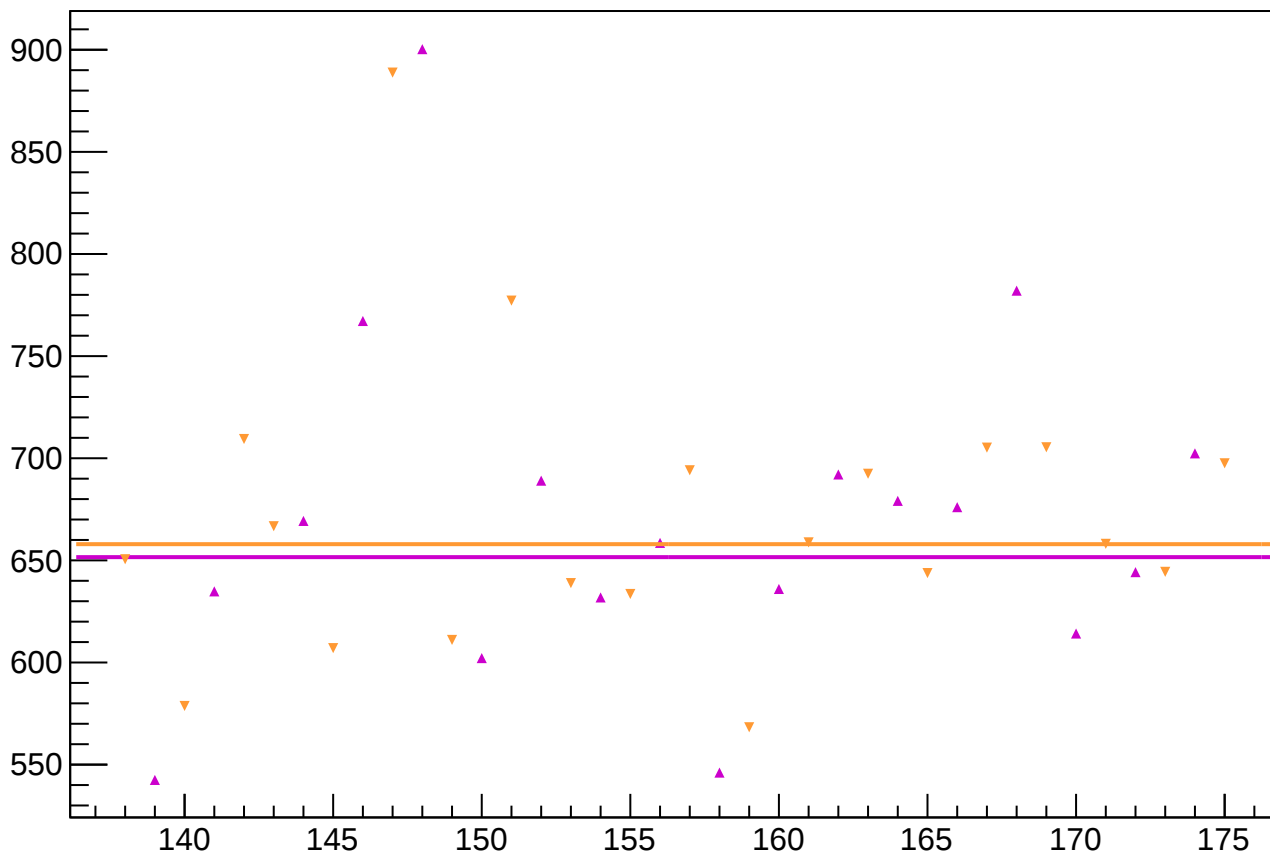
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -94.963+/-174.603 χ^2/NDF :35.5/17

Out: -401.111+/-170.686 χ^2/NDF :16.2/19

All: -251.510+/-122.054 χ^2/NDF : 53.3/37

asym_sam_15_dd_rms vs Slug, Sign Corrected



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

Left Out: 657.935+/-0.121 χ^2/NDF :268171.4/19

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

Left In: 651.585+/-0.123 χ^2/NDF :372086.3/17

Left: 654.832+/-0.086 χ^2/NDF : 641610.3/37

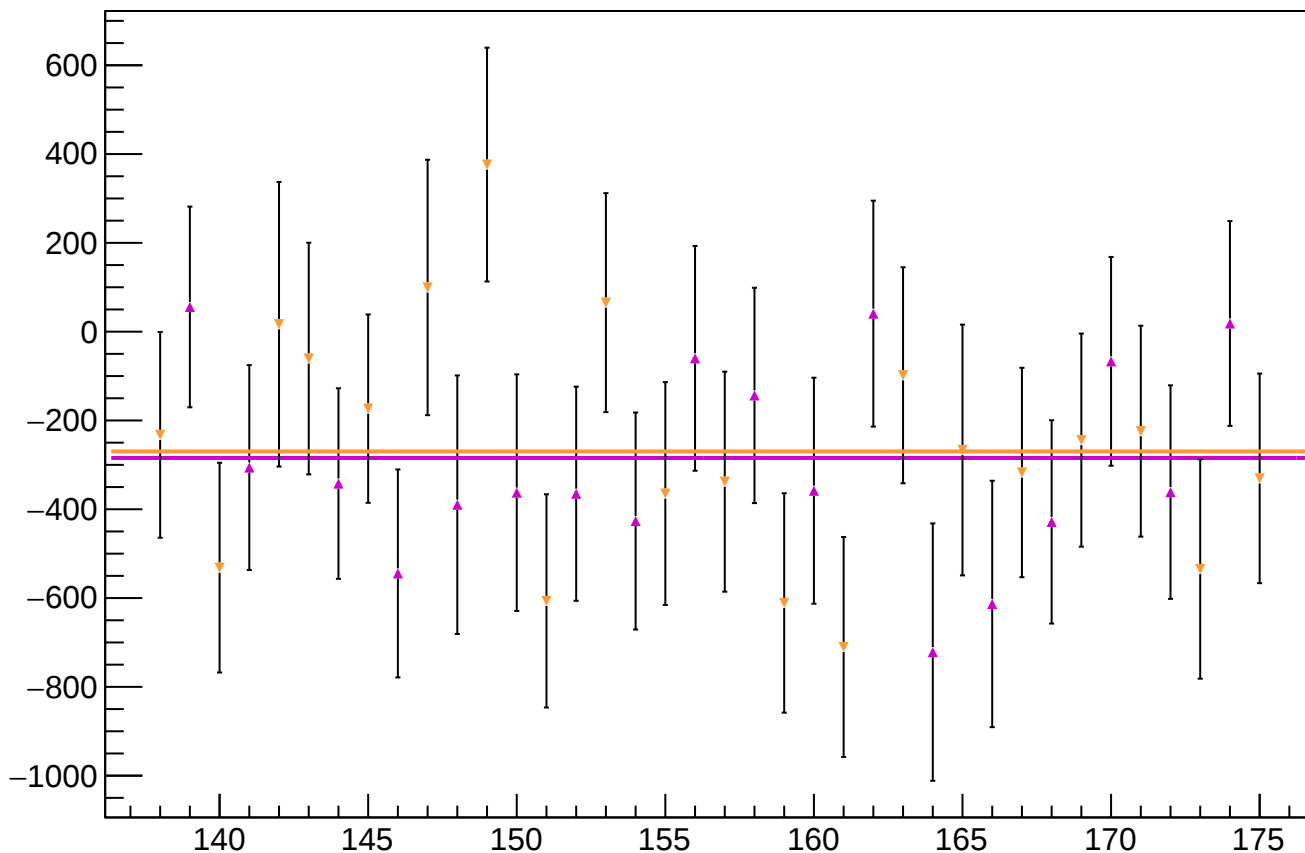
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 651.585+/-0.123 χ^2/NDF :372086.3/17

Out: 657.935+/-0.121 χ^2/NDF :268171.4/19

All: 654.832+/-0.086 χ^2/NDF : 641610.3/37

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -269.762+/-55.452 χ^2/NDF :21.5/19

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

Left In: -284.418+/-57.755 χ^2/NDF :13.8/17

Left: -276.792+/-40.000 χ^2/NDF : 35.3/37

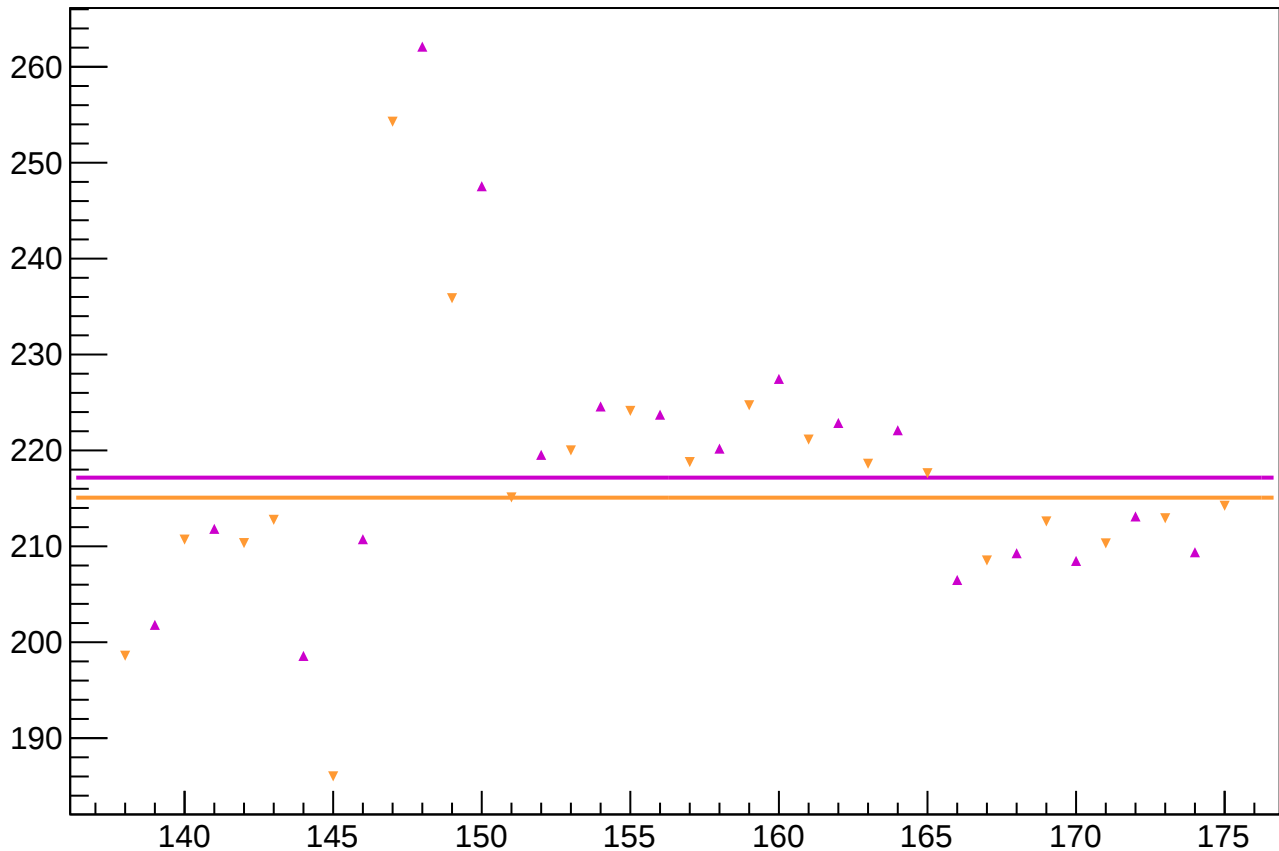
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -284.418+/-57.755 χ^2/NDF :13.8/17

Out: -269.762+/-55.452 χ^2/NDF :21.5/19

All: -276.792+/-40.000 χ^2/NDF : 35.3/37

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 215.075+/-0.039 χ^2/NDF :109975.7/19

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

Left In: 217.163+/-0.041 χ^2/NDF :119920.7/17

Left: 216.076+/-0.028 χ^2/NDF : 231256.0/37

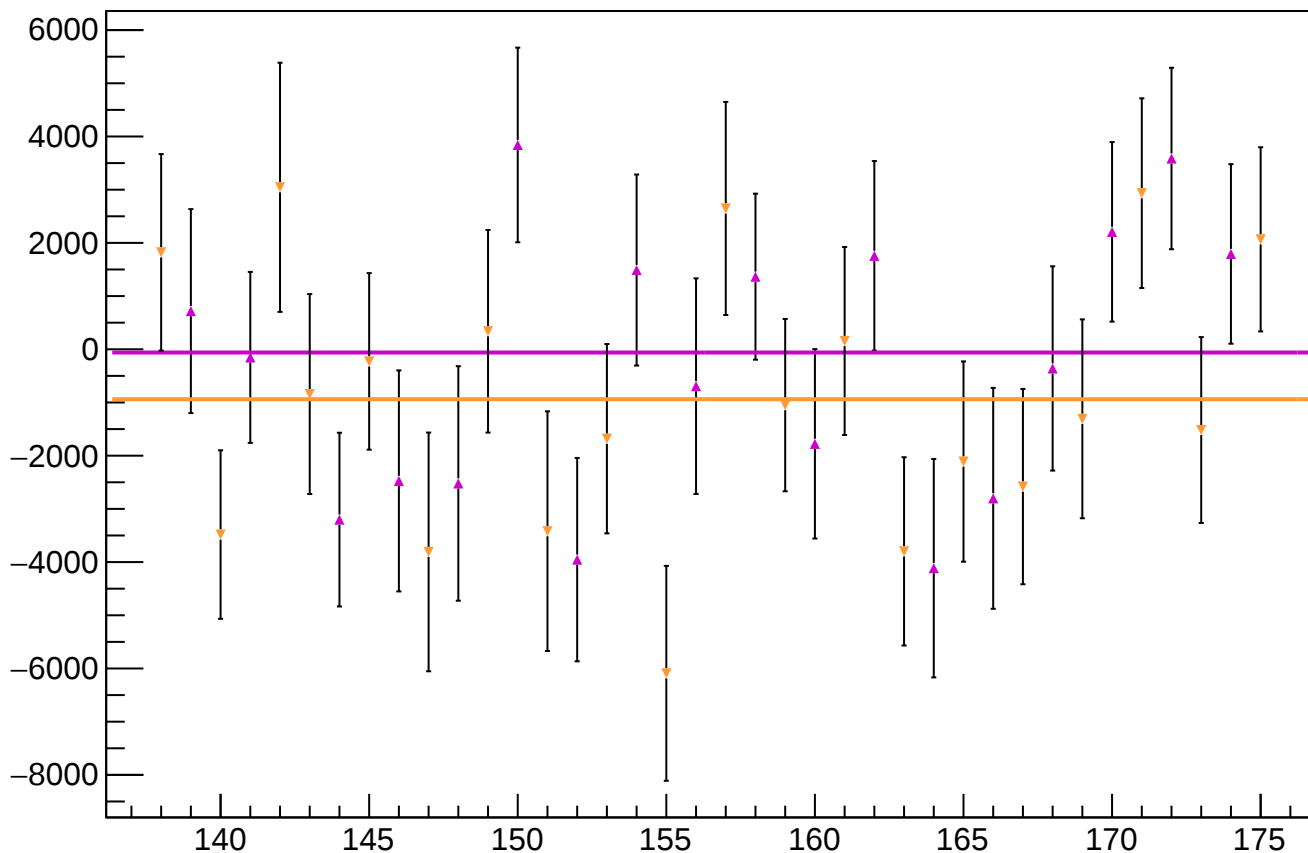
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 217.163+/-0.041 χ^2/NDF :119920.7/17

Out: 215.075+/-0.039 χ^2/NDF :109975.7/19

All: 216.076+/-0.028 χ^2/NDF : 231256.0/37

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -938.472+/-412.959 χ^2/NDF :33.1/19

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

Left In: -60.744+/-429.270 χ^2/NDF :32.1/17

Left: -516.601+/-297.605 χ^2/NDF : 67.4/37

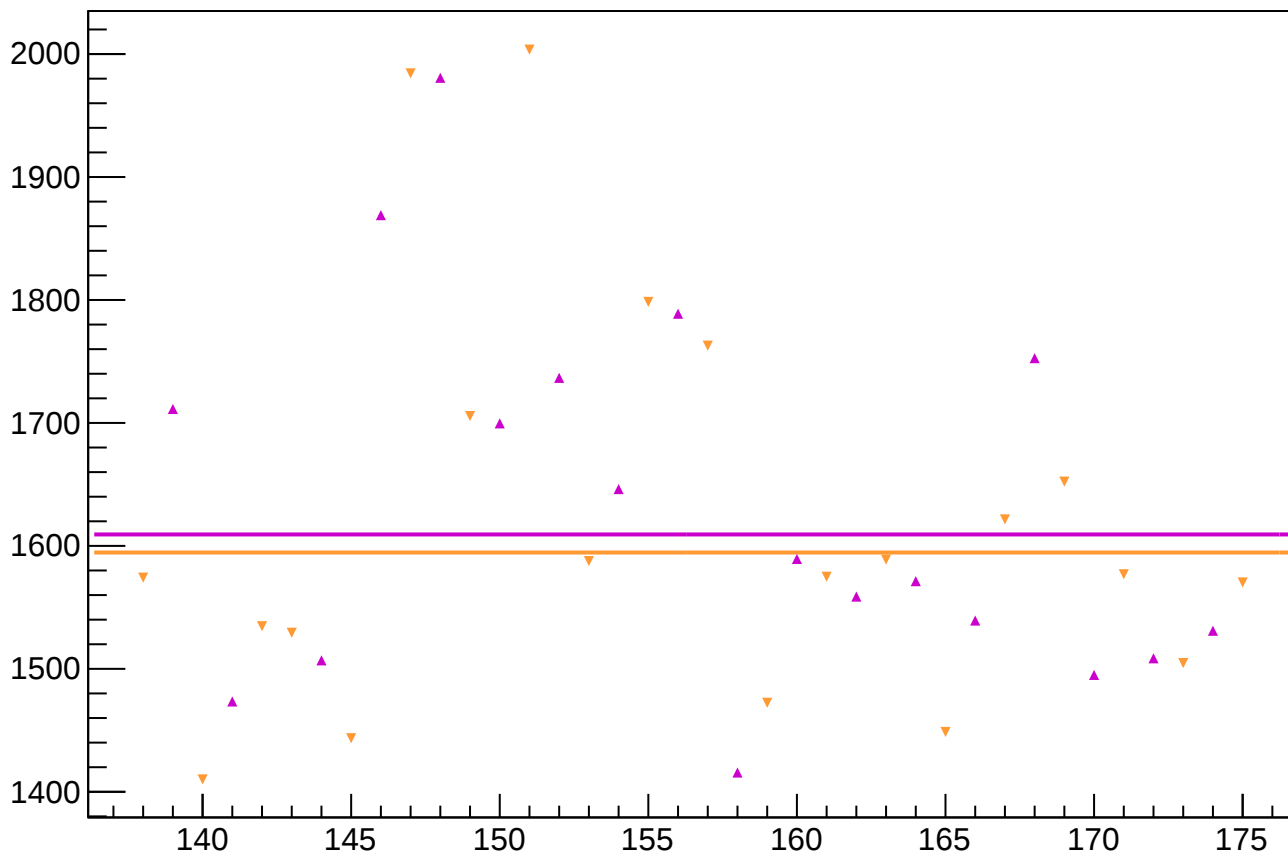
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -60.744+/-429.270 χ^2/NDF :32.1/17

Out: -938.472+/-412.959 χ^2/NDF :33.1/19

All: -516.601+/-297.605 χ^2/NDF : 67.4/37

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1594.607+/-0.292 χ^2/NDF :247148.6/19

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

Left In: 1609.306+/-0.304 χ^2/NDF :213385.5/17

Left: 1601.672+/-0.210 χ^2/NDF : 461751.9/37

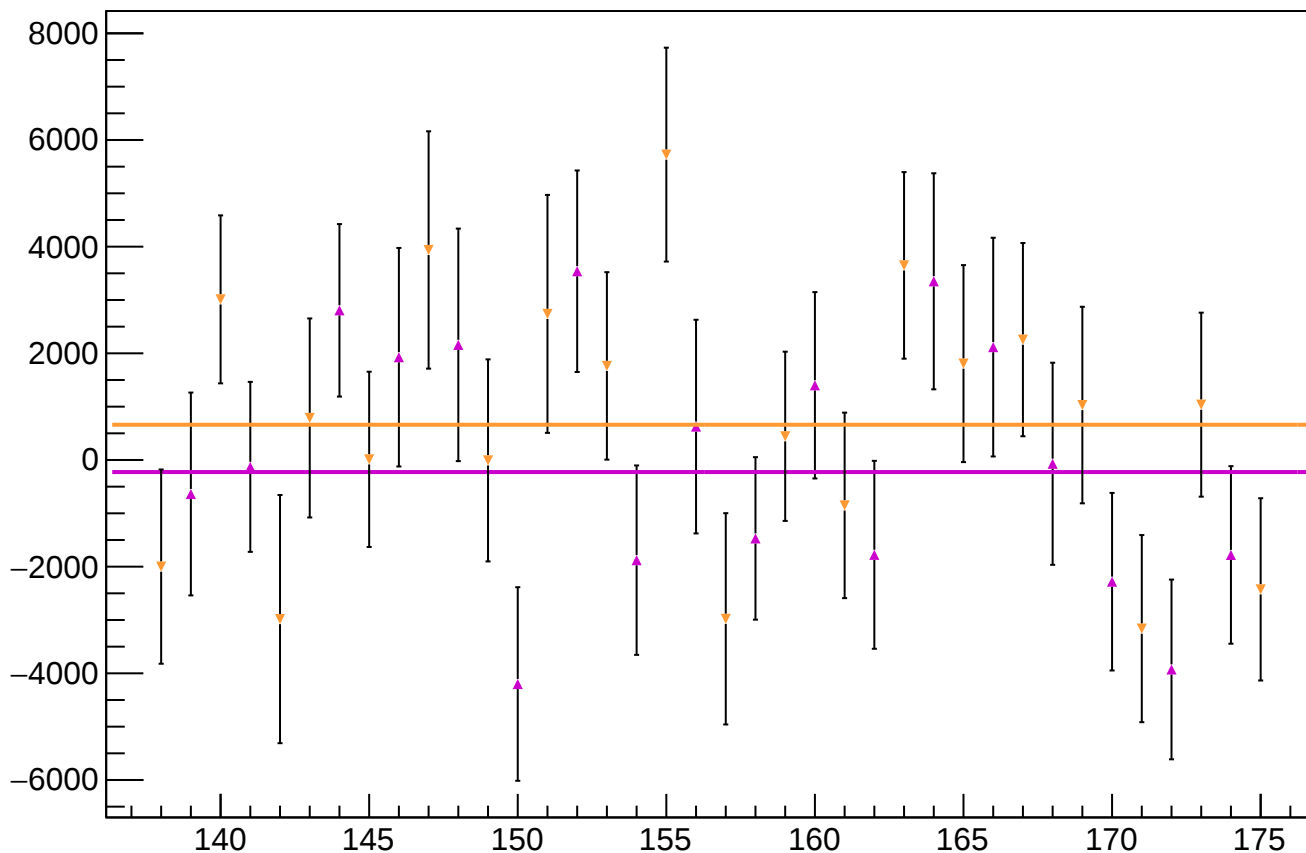
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1609.306+/-0.304 χ^2/NDF :213385.5/17

Out: 1594.607+/-0.292 χ^2/NDF :247148.6/19

All: 1601.672+/-0.210 χ^2/NDF : 461751.9/37

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 660.864 ± 408.017 $\chi^2/\text{NDF}: 33.2/19$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -226.458 ± 423.852 $\chi^2/\text{NDF}: 29.6/17$

Left: 234.088 ± 293.950 $\chi^2/\text{NDF}: 65.2/37$

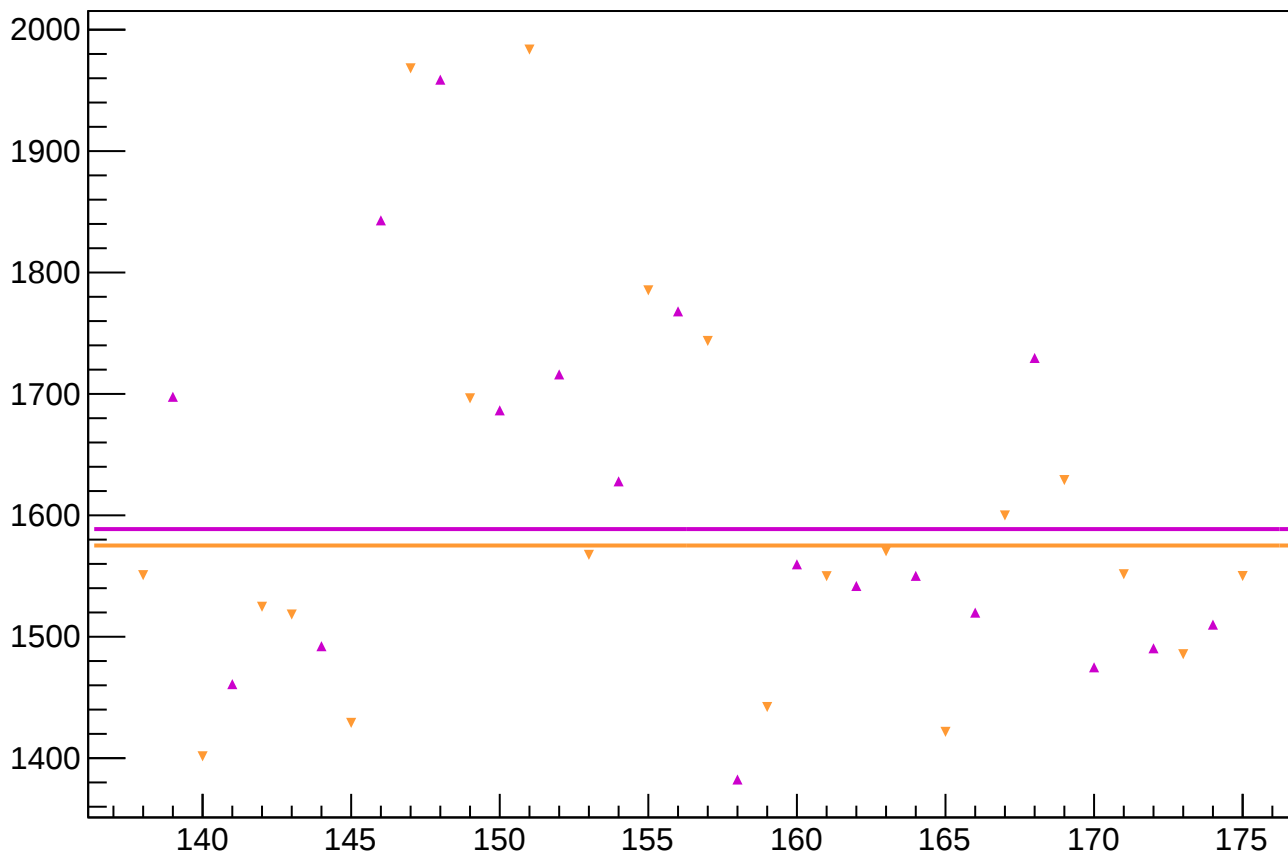
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -226.458 ± 423.852 $\chi^2/\text{NDF}: 29.6/17$

Out: 660.864 ± 408.017 $\chi^2/\text{NDF}: 33.2/19$

All: 234.088 ± 293.950 $\chi^2/\text{NDF}: 65.2/37$

asym_sam_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 1575.156+/-0.289 χ^2/NDF :253967.3/19

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

Left In: 1588.678+/-0.300 χ^2/NDF :220199.5/17

Left: 1581.659+/-0.208 χ^2/NDF : 475223.3/37

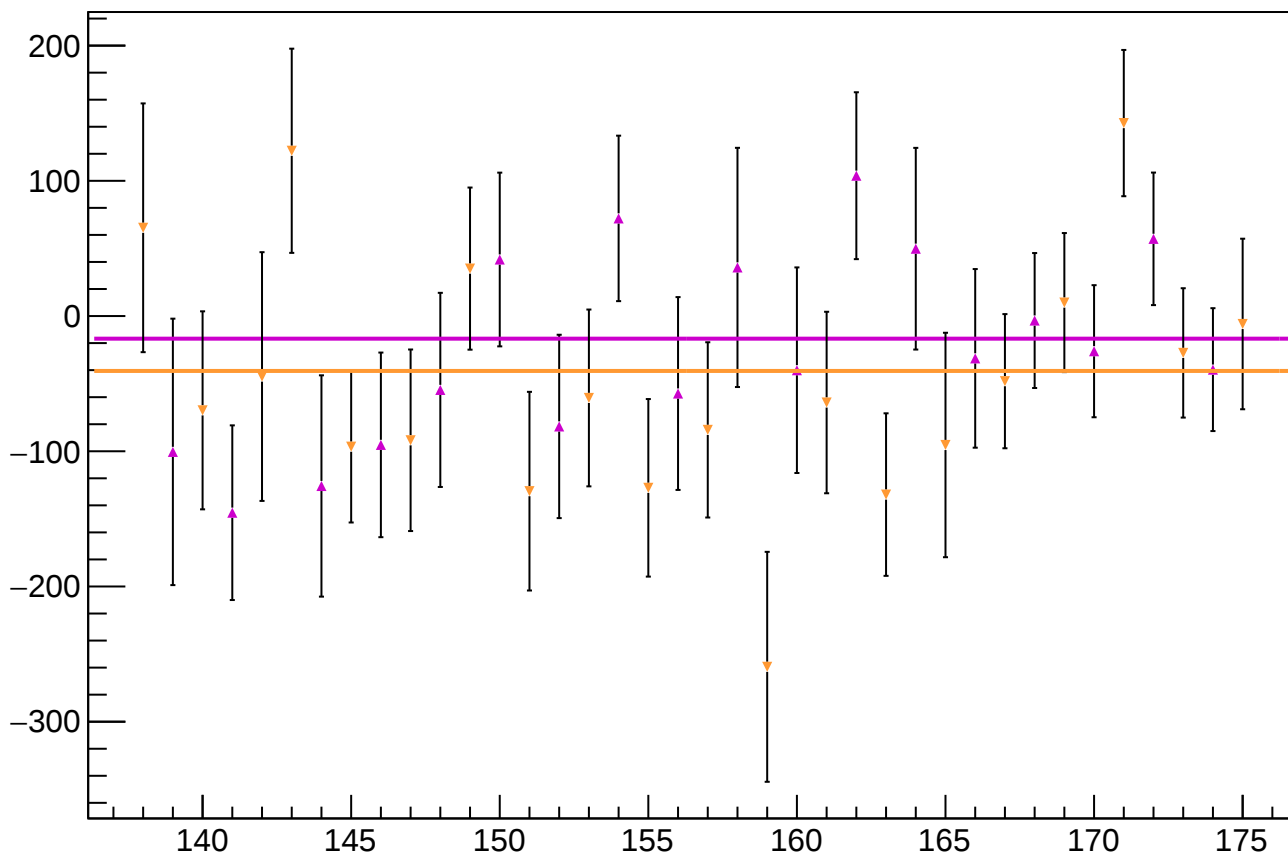
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1588.678+/-0.300 χ^2/NDF :220199.5/17

Out: 1575.156+/-0.289 χ^2/NDF :253967.3/19

All: 1581.659+/-0.208 χ^2/NDF : 475223.3/37

dit_asym_sam_37_dd_mean vs Slug, Sign Corrected



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

Left Out: -40.602 $\pm$ 14.281 χ^2 /NDF:35.4/19

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

Left In: -16.727 $\pm$ 14.877 χ^2 /NDF:20.0/17

Left: -29.152 $\pm$ 10.302 χ^2 /NDF: 56.7/37

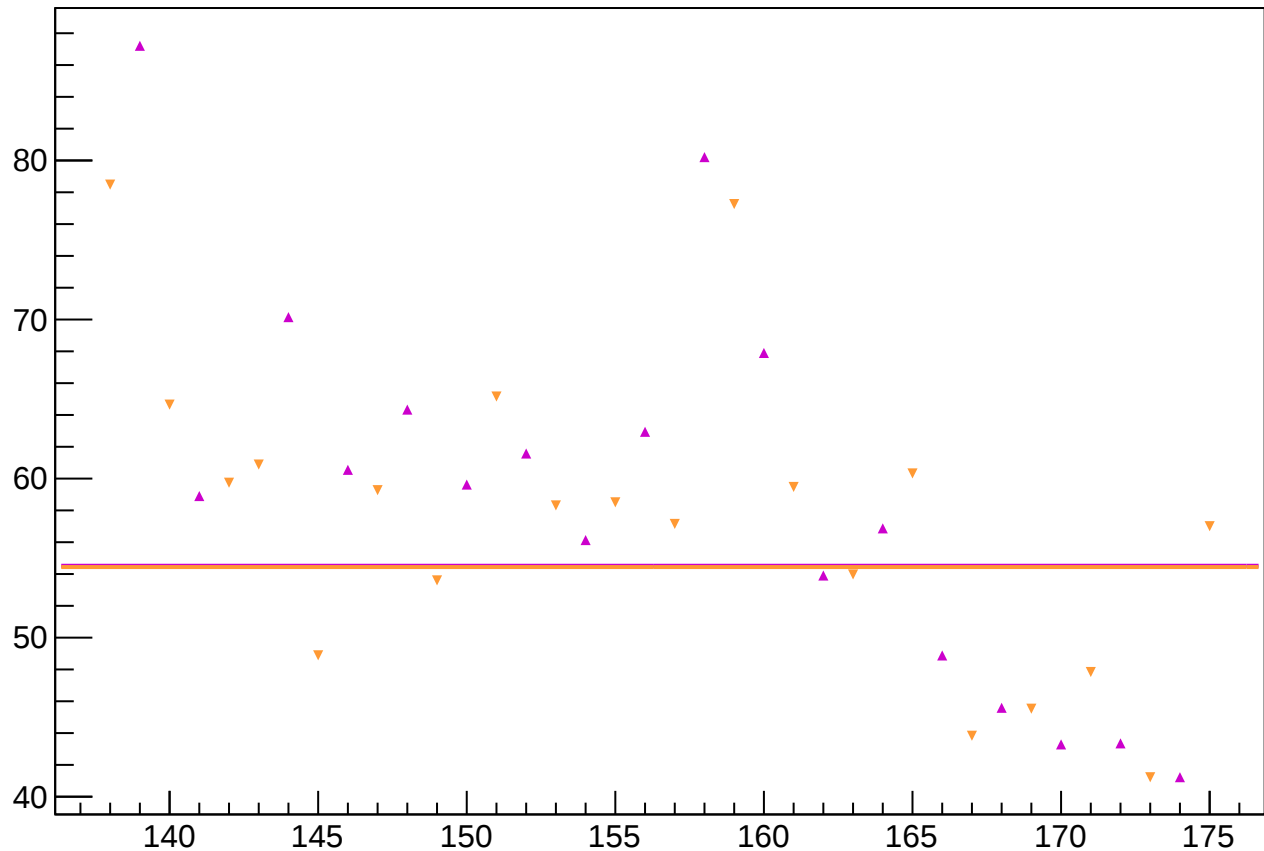
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -16.727 $\pm$ 14.877 χ^2 /NDF:20.0/17

Out: -40.602 $\pm$ 14.281 χ^2 /NDF:35.4/19

All: -29.152 $\pm$ 10.302 χ^2 /NDF: 56.7/37

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



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

Left Out: 54.438+/-0.010 χ^2/NDF : 790641.7/19

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

Left In: 54.520+/-0.011 χ^2/NDF : 1111260.2/17

Left: 54.477+/-0.007 χ^2/NDF : 1901933.6/37

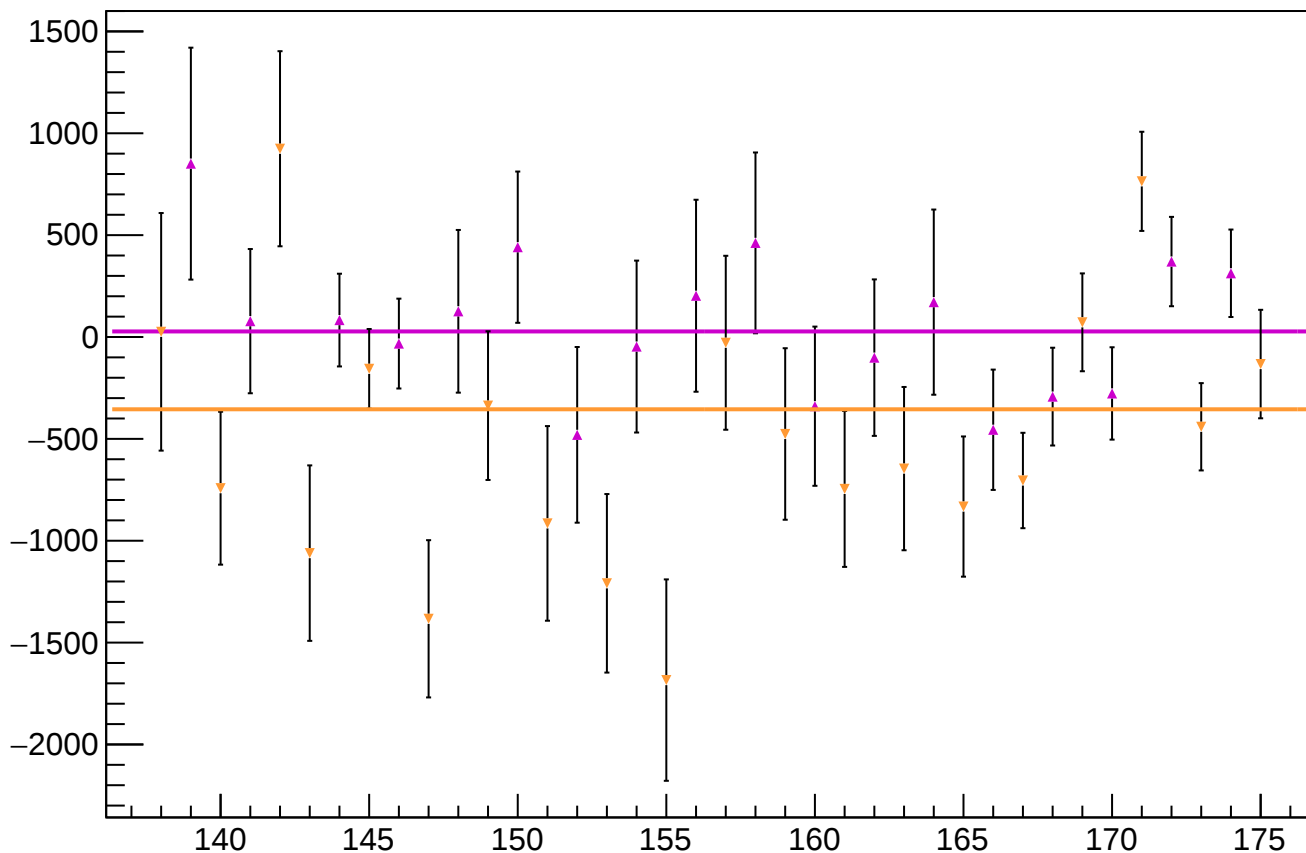
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 54.520+/-0.011 χ^2/NDF : 1111260.2/17

Out: 54.438+/-0.010 χ^2/NDF : 790641.7/19

All: 54.477+/-0.007 χ^2/NDF : 1901933.6/37

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -354.807+/-71.638 χ^2/NDF :63.4/19

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

Left In: 27.328+/-71.791 χ^2/NDF :17.6/17

Left: -164.149+/-50.710 χ^2/NDF : 95.2/37

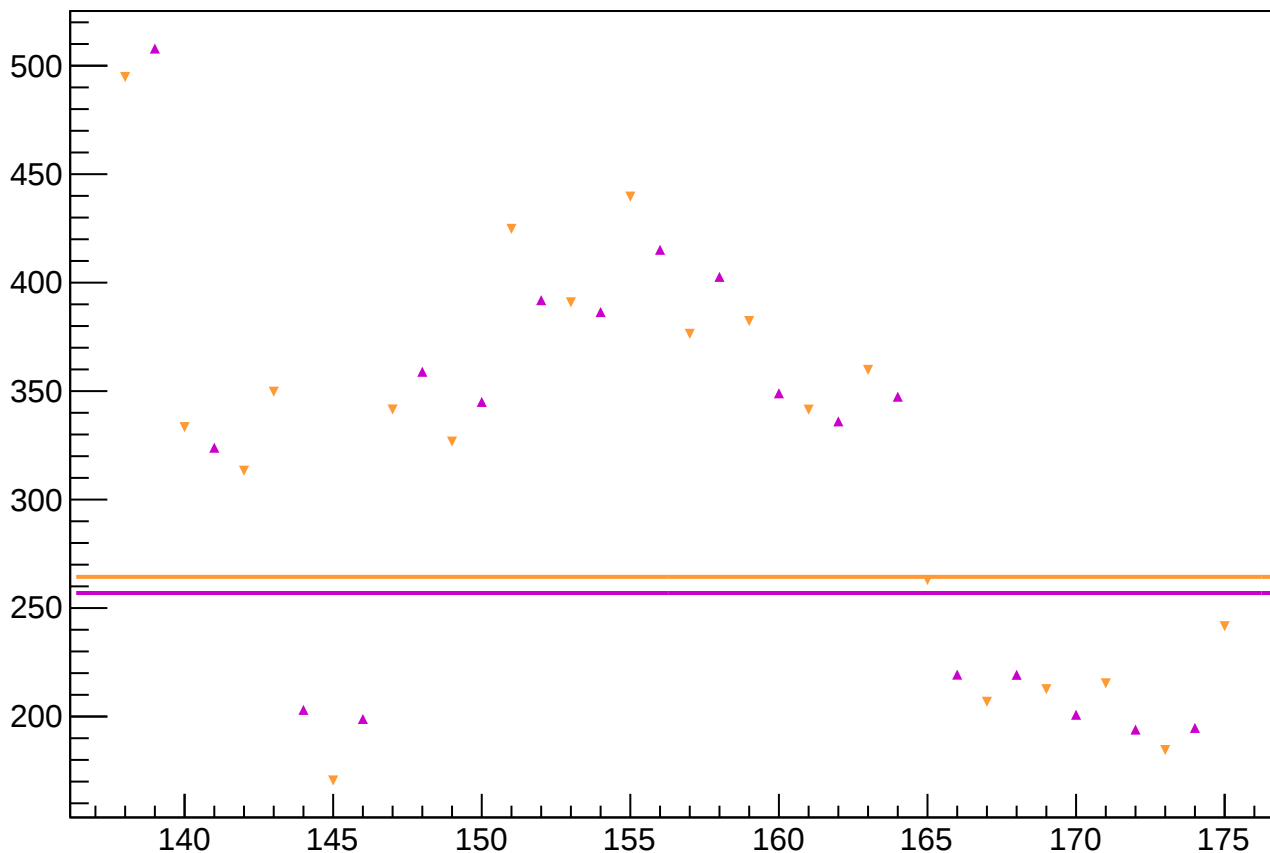
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 27.328+/-71.791 χ^2/NDF :17.6/17

Out: -354.807+/-71.638 χ^2/NDF :63.4/19

All: -164.149+/-50.710 χ^2/NDF : 95.2/37

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 264.381+/-0.051 χ^2/NDF :2799207.1/19

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

Left In: 256.941+/-0.051 χ^2/NDF :2592348.5/17

Left: 260.669+/-0.036 χ^2/NDF : 5402318.0/37

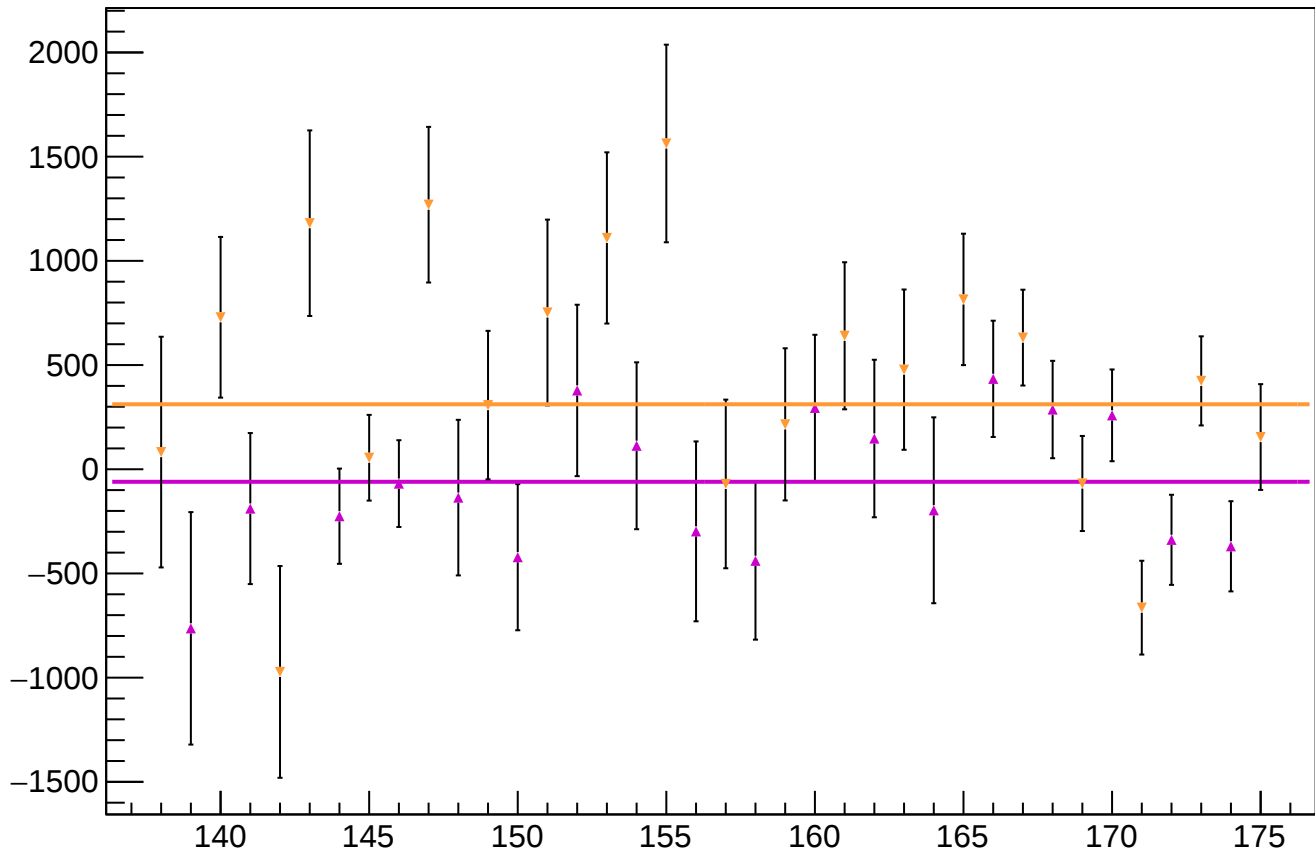
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 256.941+/-0.051 χ^2/NDF :2592348.5/17

Out: 264.381+/-0.051 χ^2/NDF :2799207.1/19

All: 260.669+/-0.036 χ^2/NDF : 5402318.0/37

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 311.840 ± 69.546 $\chi^2/\text{NDF}: 60.1/19$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -60.130 ± 69.410 $\chi^2/\text{NDF}: 18.5/17$

Left: 125.491 ± 49.128 $\chi^2/\text{NDF}: 93.0/37$

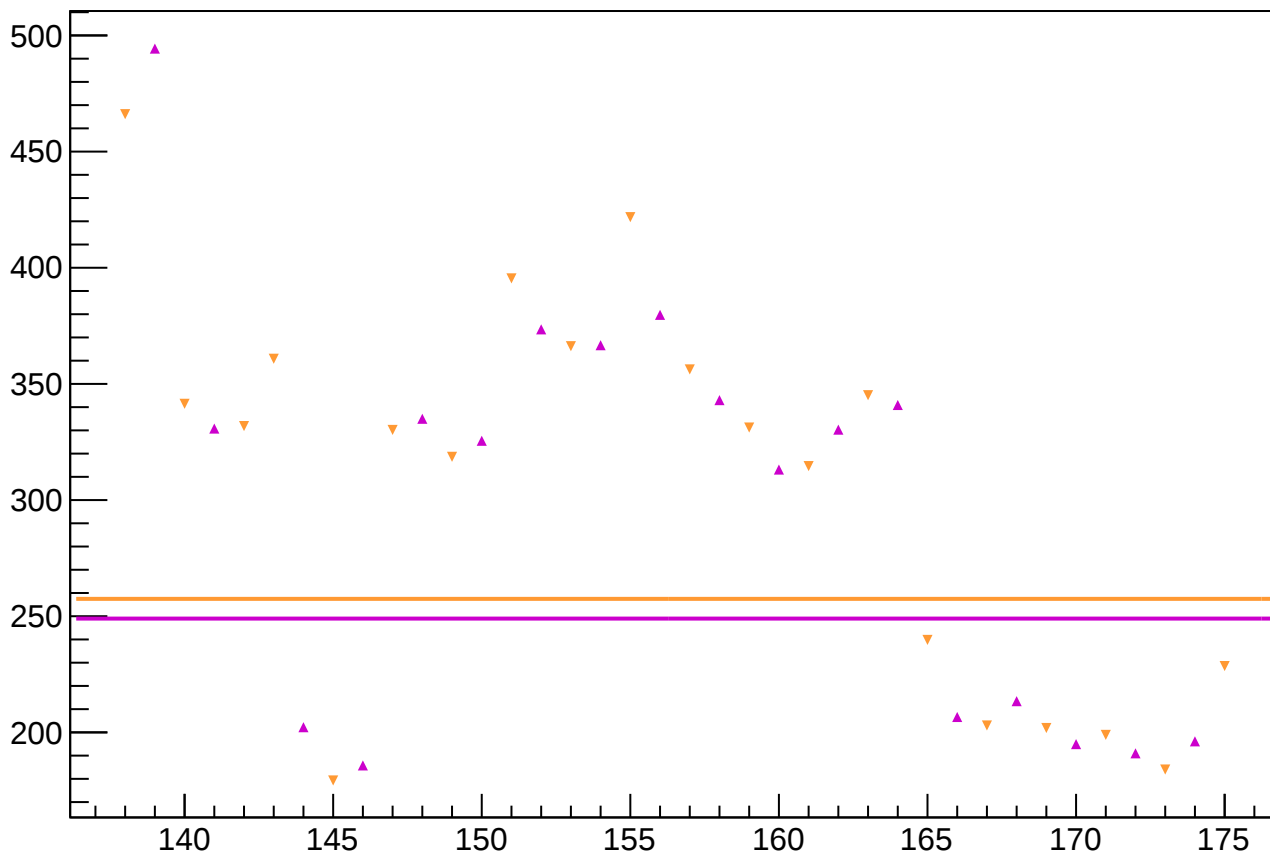
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -60.130 ± 69.410 $\chi^2/\text{NDF}: 18.5/17$

Out: 311.840 ± 69.546 $\chi^2/\text{NDF}: 60.1/19$

All: 125.491 ± 49.128 $\chi^2/\text{NDF}: 93.0/37$

asym_sam_37_dd_rms vs Slug, Sign Corrected



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

Left Out: 257.476+/-0.049 χ^2/NDF :2517350.1/19

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

Left In: 248.986+/-0.049 χ^2/NDF :2342048.8/17

Left: 253.222+/-0.035 χ^2/NDF : 4874331.1/37

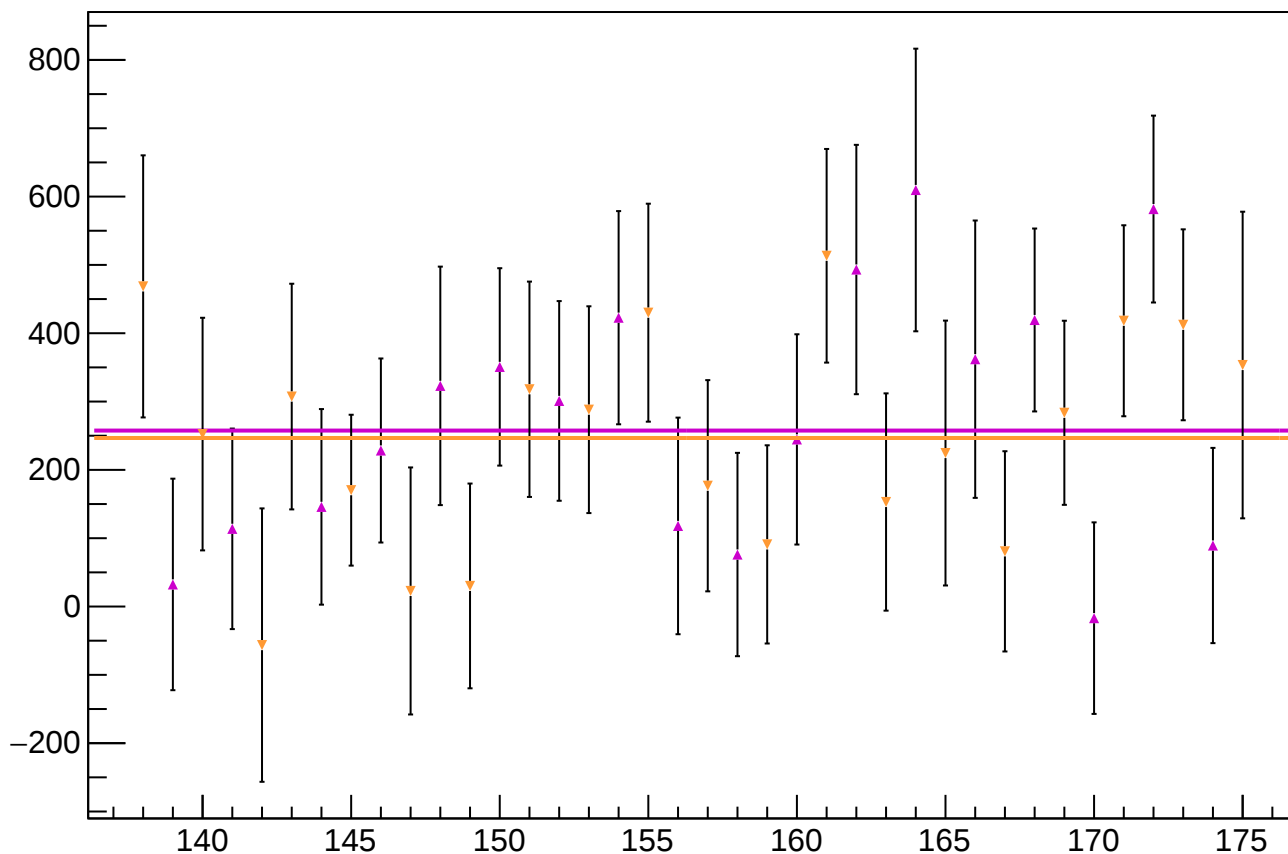
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 248.986+/-0.049 χ^2/NDF :2342048.8/17

Out: 257.476+/-0.049 χ^2/NDF :2517350.1/19

All: 253.222+/-0.035 χ^2/NDF : 4874331.1/37

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



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

Left Out: 246.666 $\pm$ 34.833 χ^2 /NDF:18.6/19

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

Left In: 257.540 $\pm$ 35.926 χ^2 /NDF:24.9/17

Left: 251.935 $\pm$ 25.008 χ^2 /NDF: 43.5/37

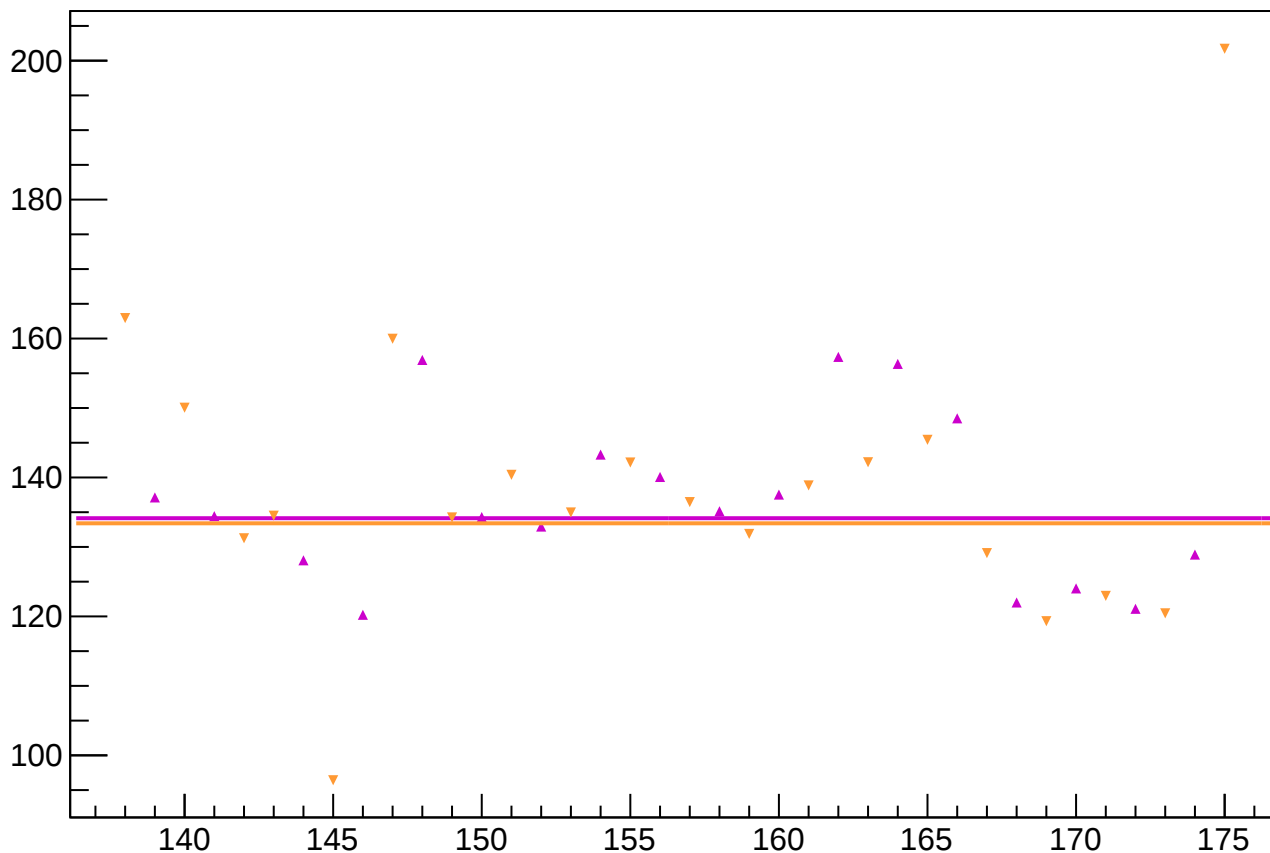
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 257.540 $\pm$ 35.926 χ^2 /NDF:24.9/17

Out: 246.666 $\pm$ 34.833 χ^2 /NDF:18.6/19

All: 251.935 $\pm$ 25.008 χ^2 /NDF: 43.5/37

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 133.402+/-0.025 χ^2/NDF : 599387.8/19

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

Left In: 134.135+/-0.025 χ^2/NDF : 183825.6/17

Left: 133.758+/-0.018 χ^2/NDF : 783642.4/37

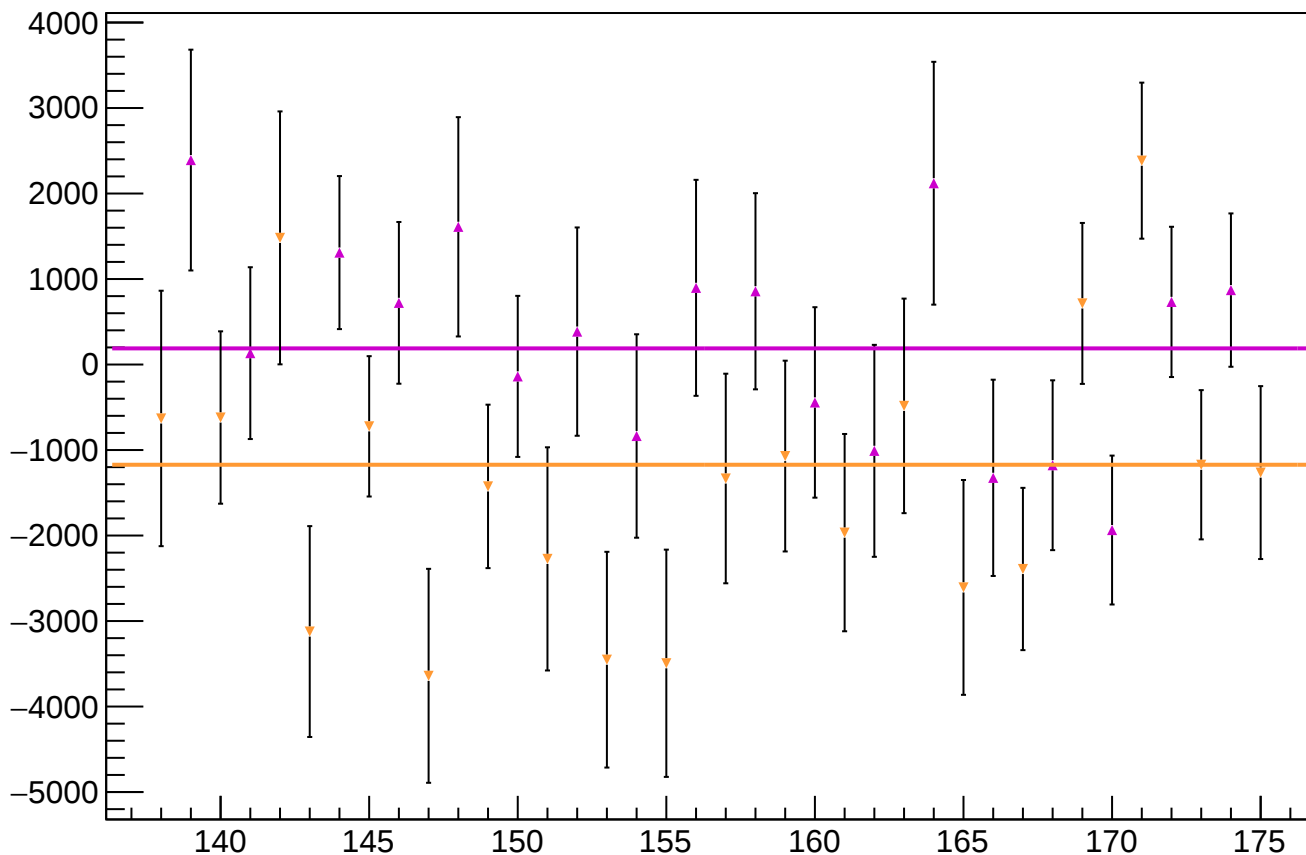
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 134.135+/-0.025 χ^2/NDF : 183825.6/17

Out: 133.402+/-0.025 χ^2/NDF : 599387.8/19

All: 133.758+/-0.018 χ^2/NDF : 783642.4/37

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -1172.146+/-244.215 χ^2/NDF :40.4/19

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

Left In: 188.731+/-249.667 χ^2/NDF :21.2/17

Left: -506.726+/-174.582 χ^2/NDF : 76.8/37

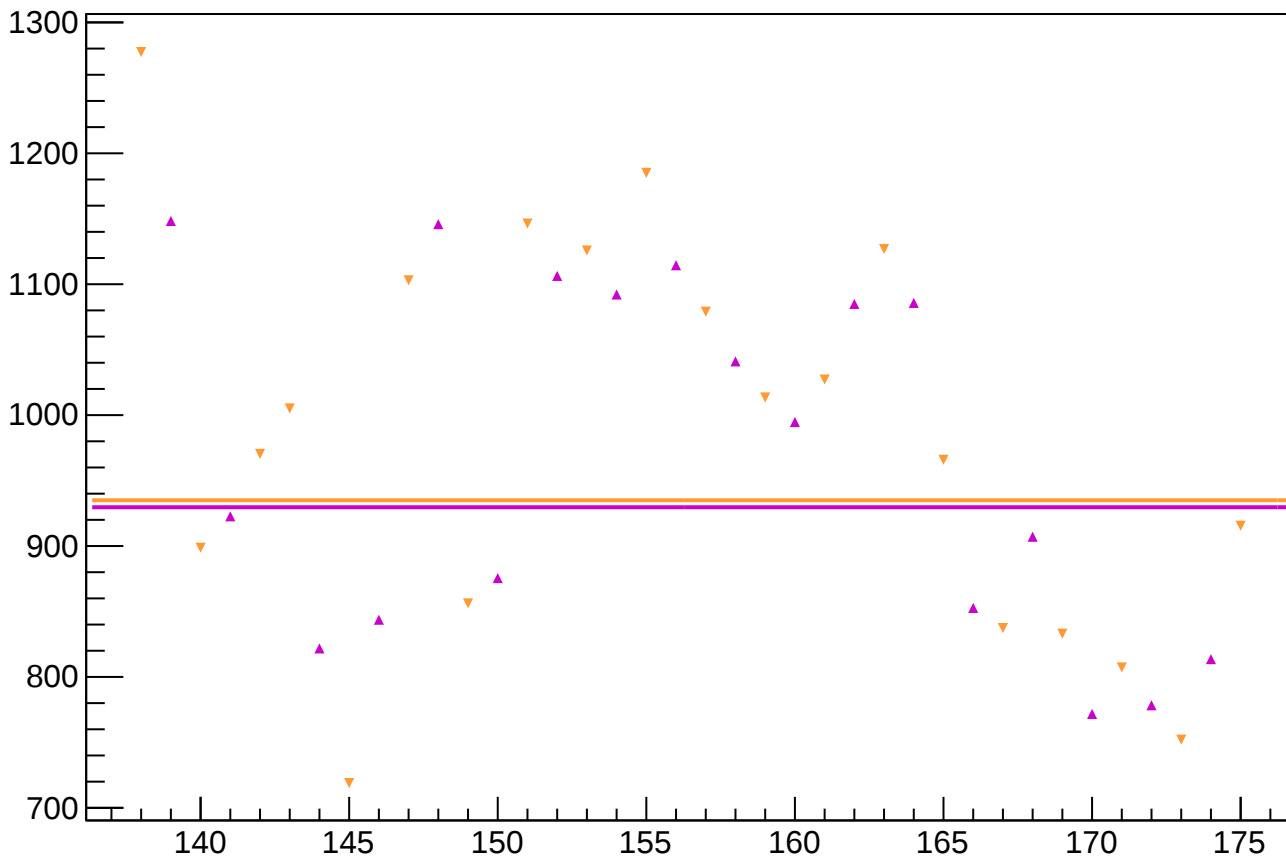
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 188.731+/-249.667 χ^2/NDF :21.2/17

Out: -1172.146+/-244.215 χ^2/NDF :40.4/19

All: -506.726+/-174.582 χ^2/NDF : 76.8/37

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 934.950+/-0.173 χ^2/NDF : 743158.2/19

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

Left In: 929.625+/-0.177 χ^2/NDF : 538538.0/17

Left: 932.346+/-0.123 χ^2/NDF : 1282161.2/37

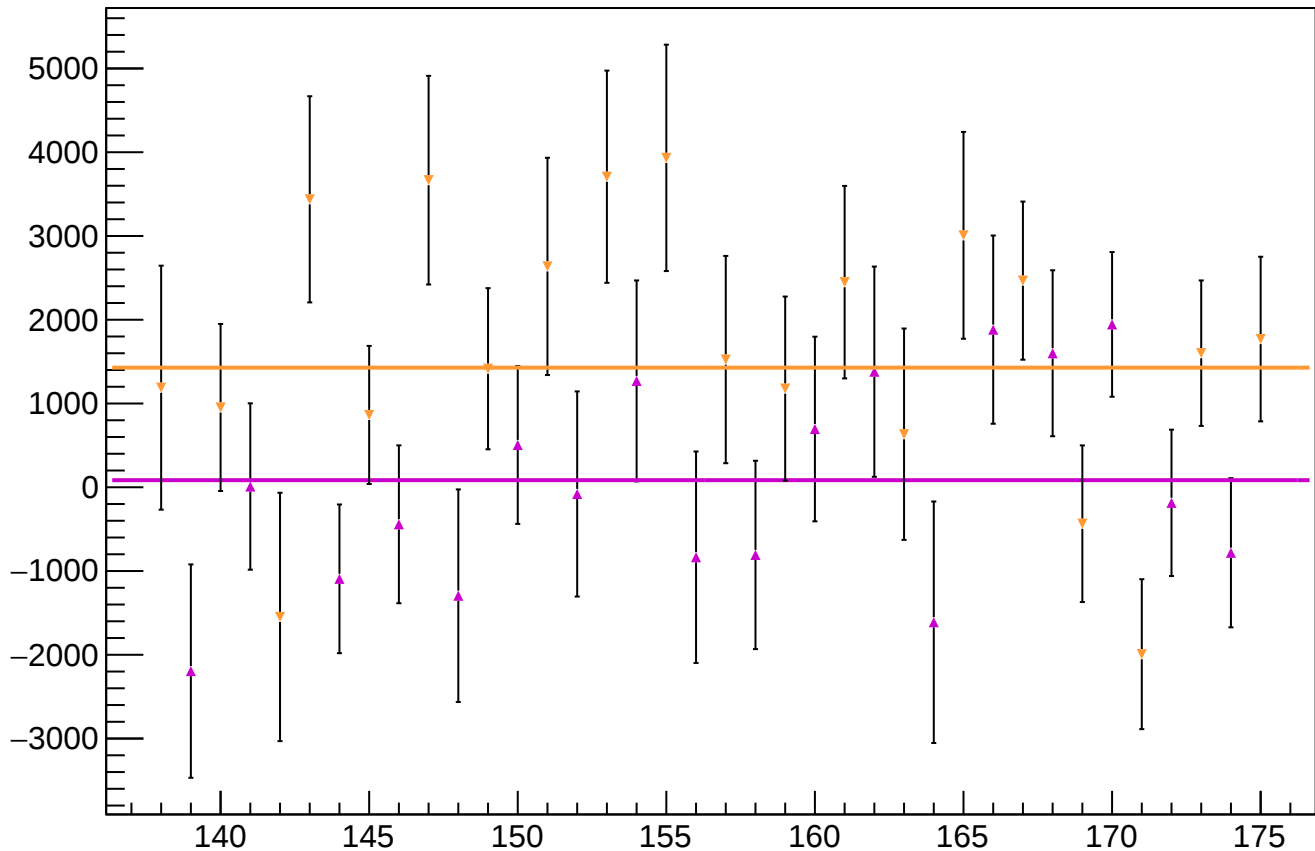
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 929.625+/-0.177 χ^2/NDF : 538538.0/17

Out: 934.950+/-0.173 χ^2/NDF : 743158.2/19

All: 932.346+/-0.123 χ^2/NDF : 1282161.2/37

asym_sam_48_dd_mean vs Slug, Sign Corrected



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

Left Out: 1428.234 $\pm$ 242.878 χ^2 /NDF:41.0/19

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

Left In: 84.590 $\pm$ 248.341 χ^2 /NDF:22.1/17

Left: 771.354 $\pm$ 173.640 χ^2 /NDF: 78.1/37

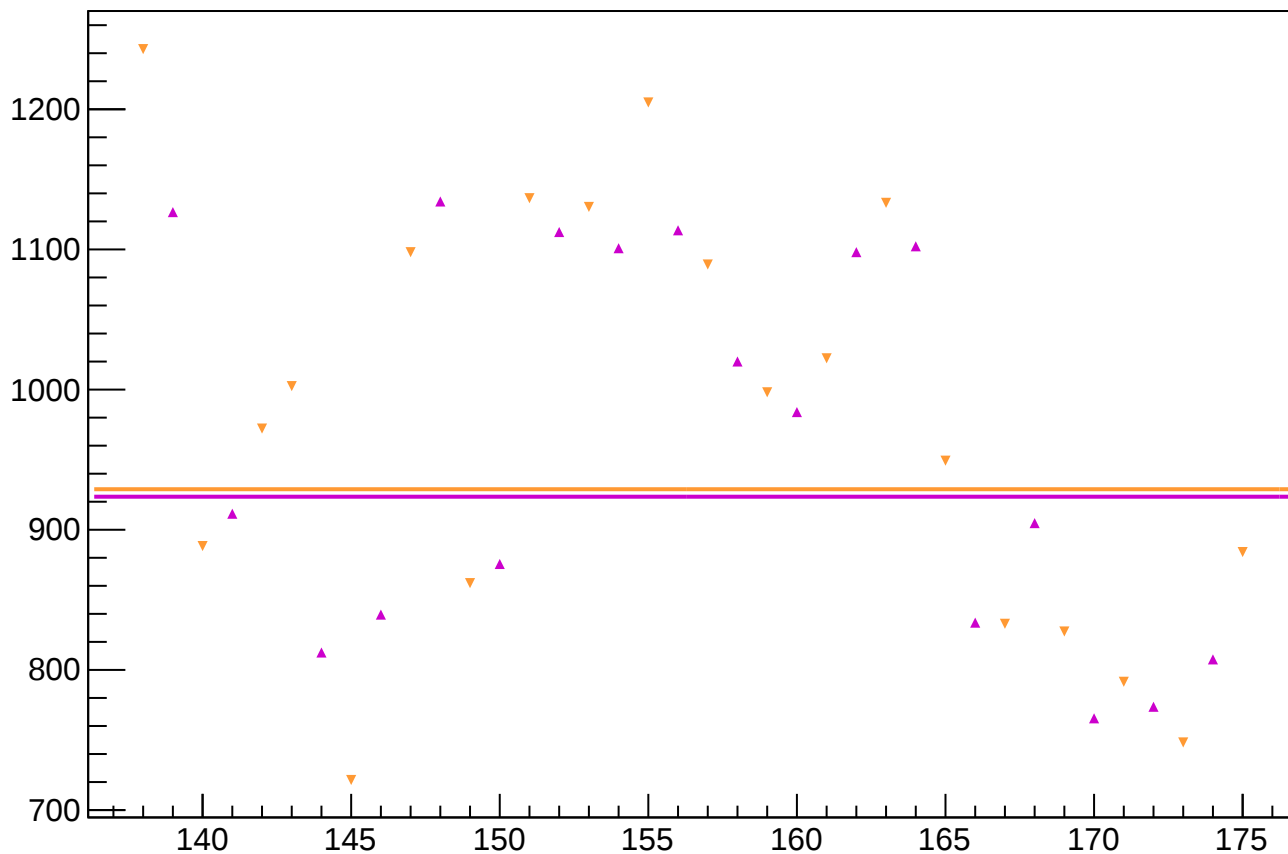
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 84.590 $\pm$ 248.341 χ^2 /NDF:22.1/17

Out: 1428.234 $\pm$ 242.878 χ^2 /NDF:41.0/19

All: 771.354 $\pm$ 173.640 χ^2 /NDF: 78.1/37

asym_sam_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 928.920+/-0.172 χ^2/NDF : 753312.5/19

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

Left In: 923.582+/-0.176 χ^2/NDF : 558687.9/17

Left: 926.310+/-0.123 χ^2/NDF : 1312472.8/37

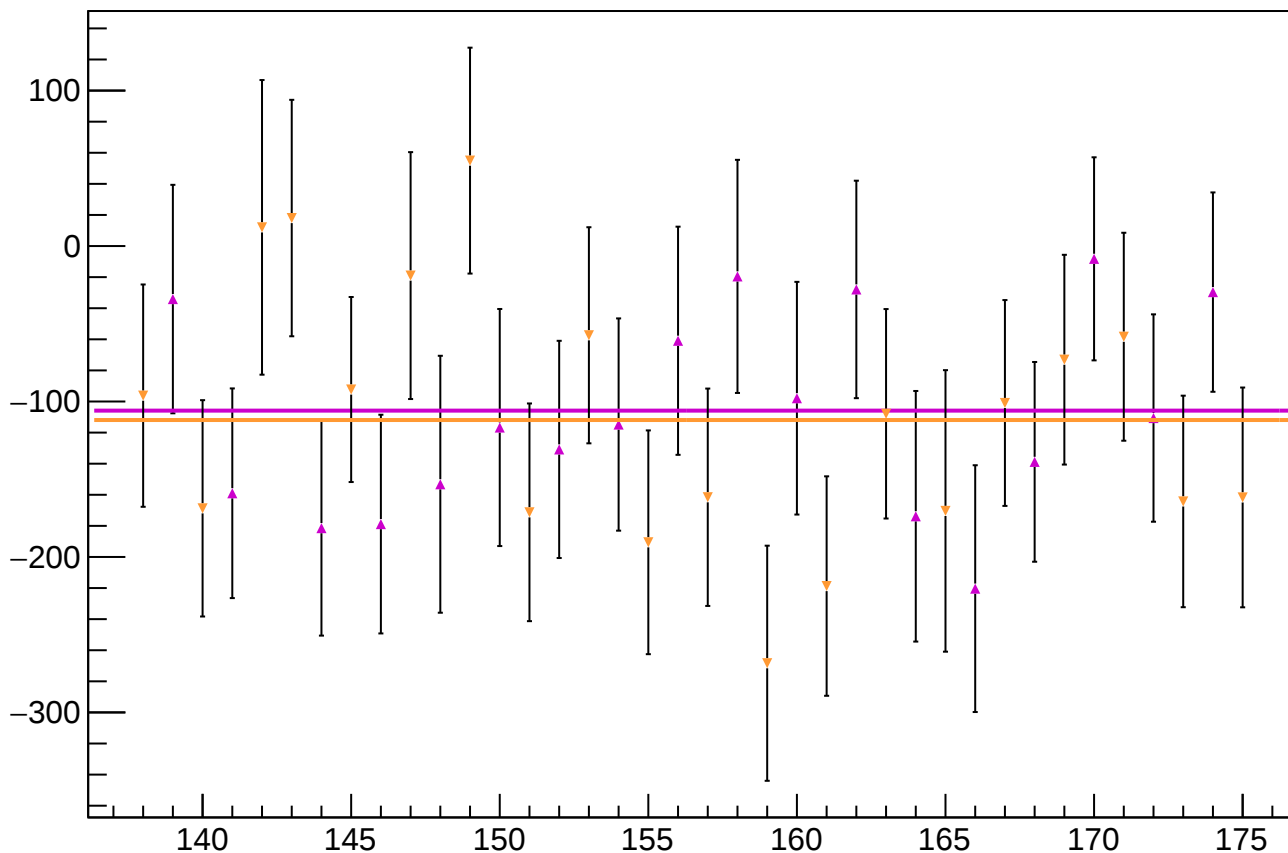
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 923.582+/-0.176 χ^2/NDF : 558687.9/17

Out: 928.920+/-0.172 χ^2/NDF : 753312.5/19

All: 926.310+/-0.123 χ^2/NDF : 1312472.8/37

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: -111.915+/-15.950 χ^2/NDF :24.2/19

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

Left In: -105.865+/-16.764 χ^2/NDF :14.0/17

Left: -109.041+/-11.555 χ^2/NDF : 38.3/37

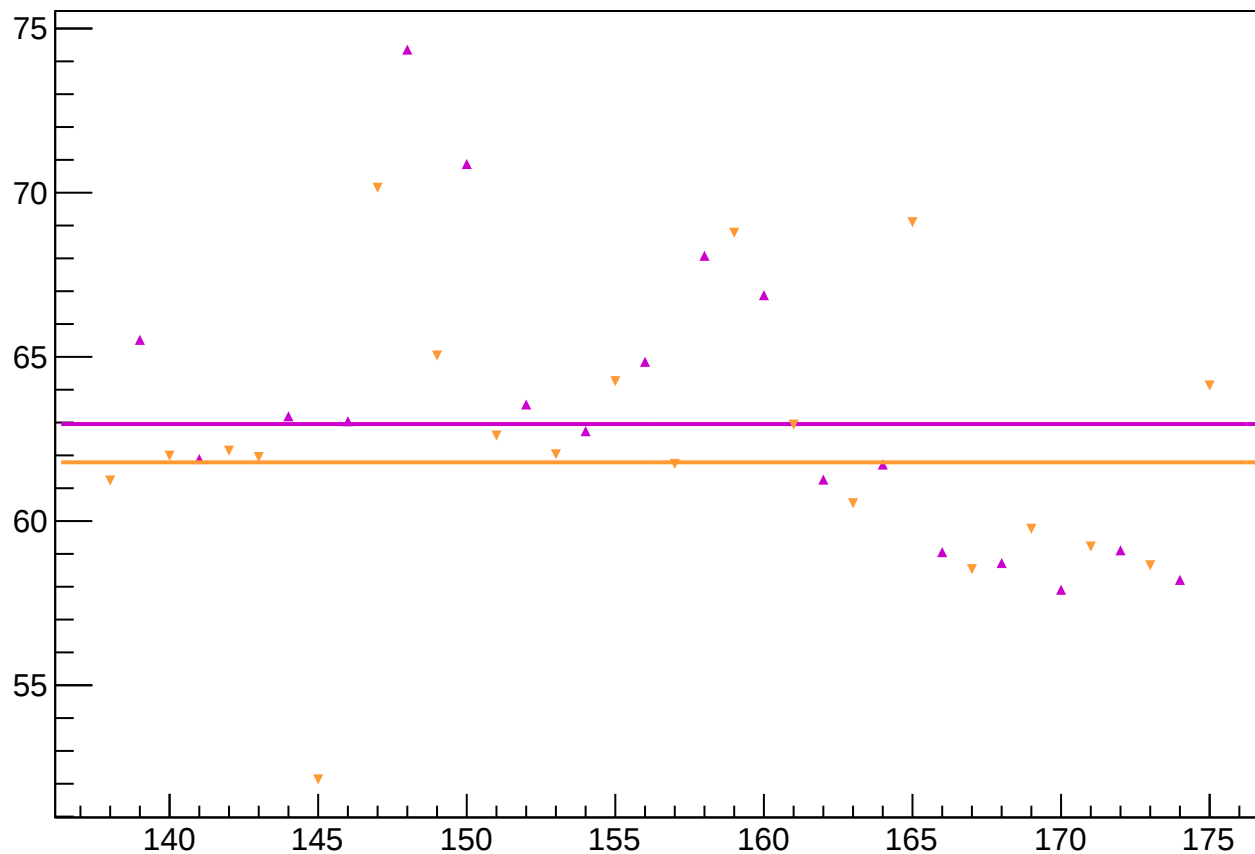
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -105.865+/-16.764 χ^2/NDF :14.0/17

Out: -111.915+/-15.950 χ^2/NDF :24.2/19

All: -109.041+/-11.555 χ^2/NDF : 38.3/37

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: 61.788+/-0.011 χ^2/NDF :129030.0/19

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

Left In: 62.954+/-0.012 χ^2/NDF :123660.4/17

Left: 62.342+/-0.008 χ^2/NDF : 257767.5/37

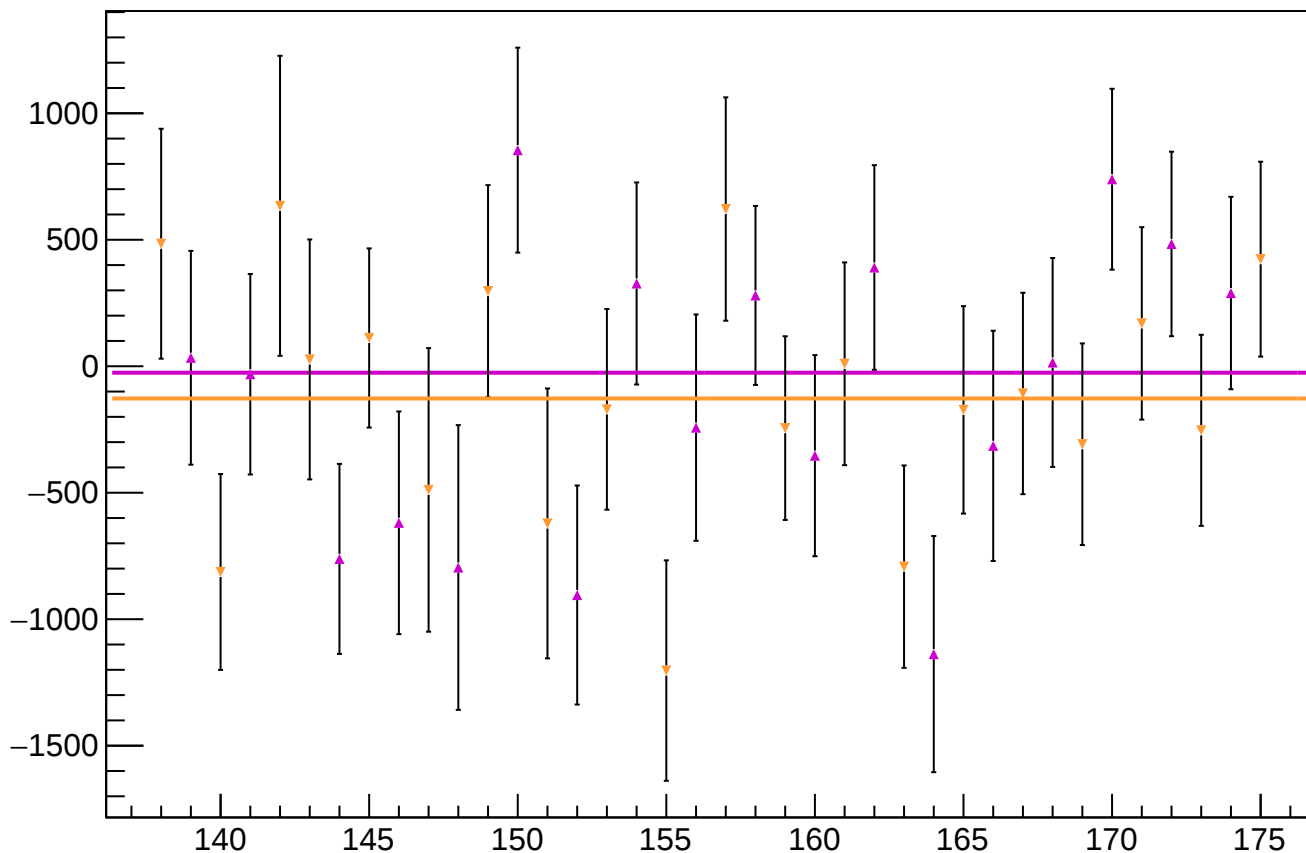
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 62.954+/-0.012 χ^2/NDF :123660.4/17

Out: 61.788+/-0.011 χ^2/NDF :129030.0/19

All: 62.342+/-0.008 χ^2/NDF : 257767.5/37

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: -127.438+/-93.171 χ^2/NDF :24.4/19

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

Left In: -25.466+/-96.215 χ^2/NDF :33.2/17

Left: -78.090+/-66.932 χ^2/NDF : 58.2/37

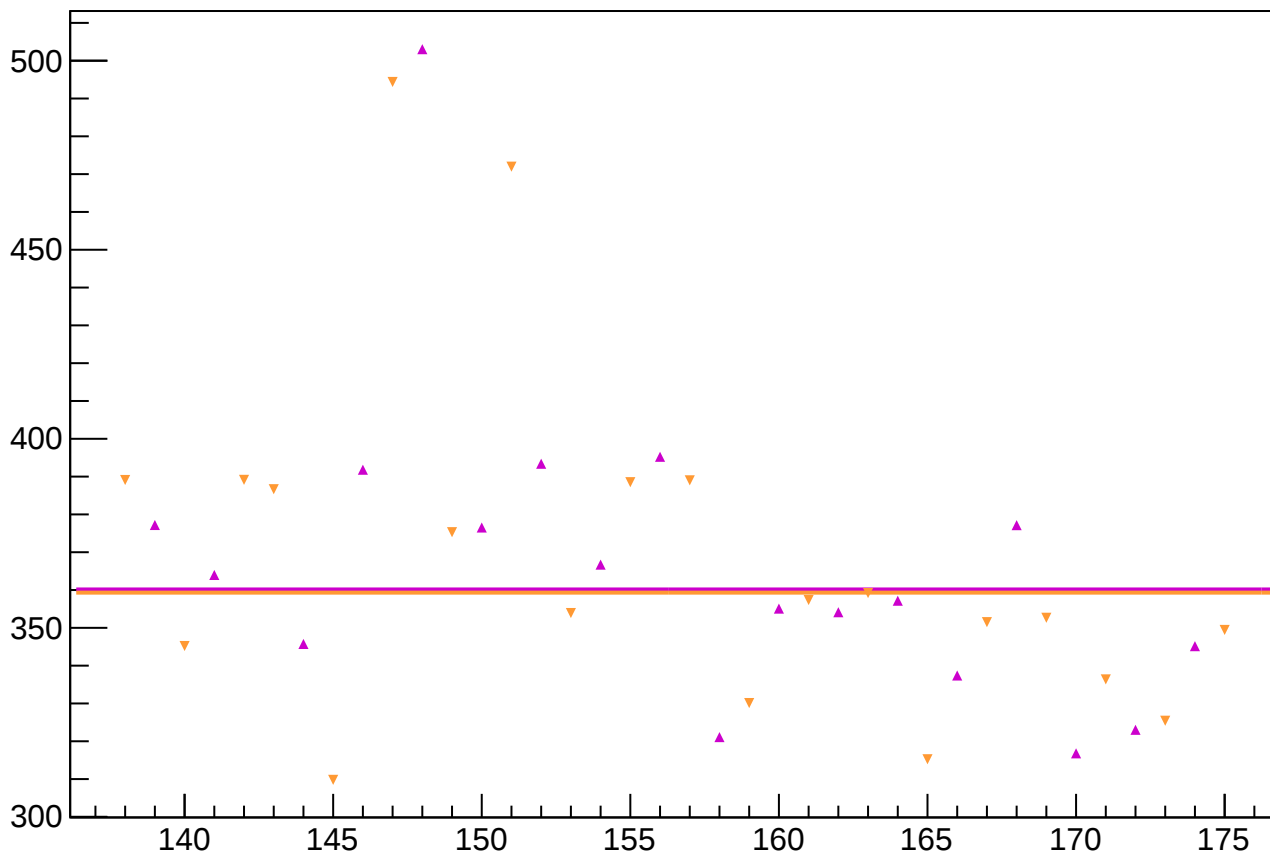
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -25.466+/-96.215 χ^2/NDF :33.2/17

Out: -127.438+/-93.171 χ^2/NDF :24.4/19

All: -78.090+/-66.932 χ^2/NDF : 58.2/37

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: 359.313+/-0.066 χ^2/NDF : 350779.8/19

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

Left In: 360.150+/-0.068 χ^2/NDF : 260381.0/17

Left: 359.718+/-0.047 χ^2/NDF : 611238.9/37

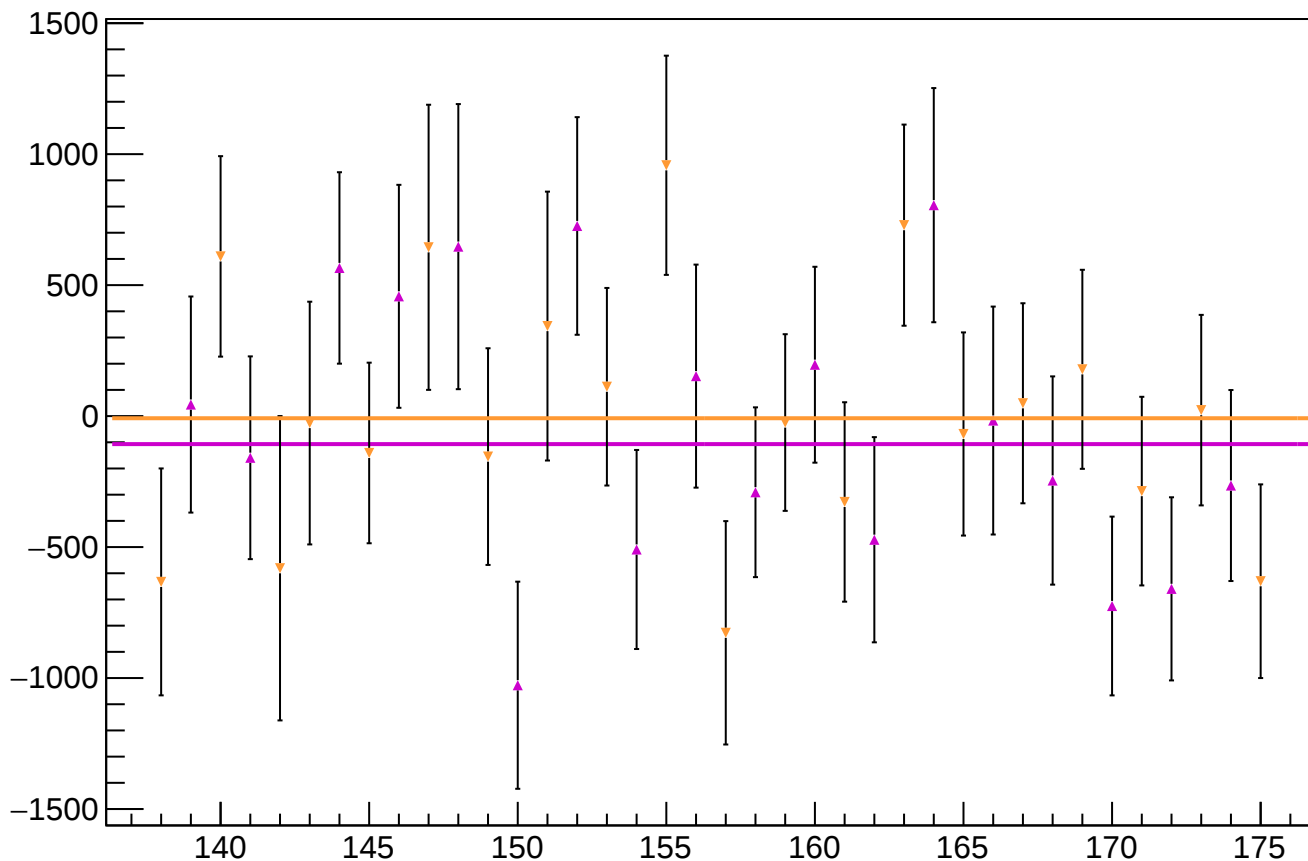
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 360.150+/-0.068 χ^2/NDF : 260381.0/17

Out: 359.313+/-0.066 χ^2/NDF : 350779.8/19

All: 359.718+/-0.047 χ^2/NDF : 611238.9/37

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



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

Left Out: -8.159 $\pm$ 89.455 χ^2 /NDF:25.1/19

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

Left In: -106.929 $\pm$ 92.181 χ^2 /NDF:30.3/17

Left: -56.062 $\pm$ 64.196 χ^2 /NDF: 56.0/37

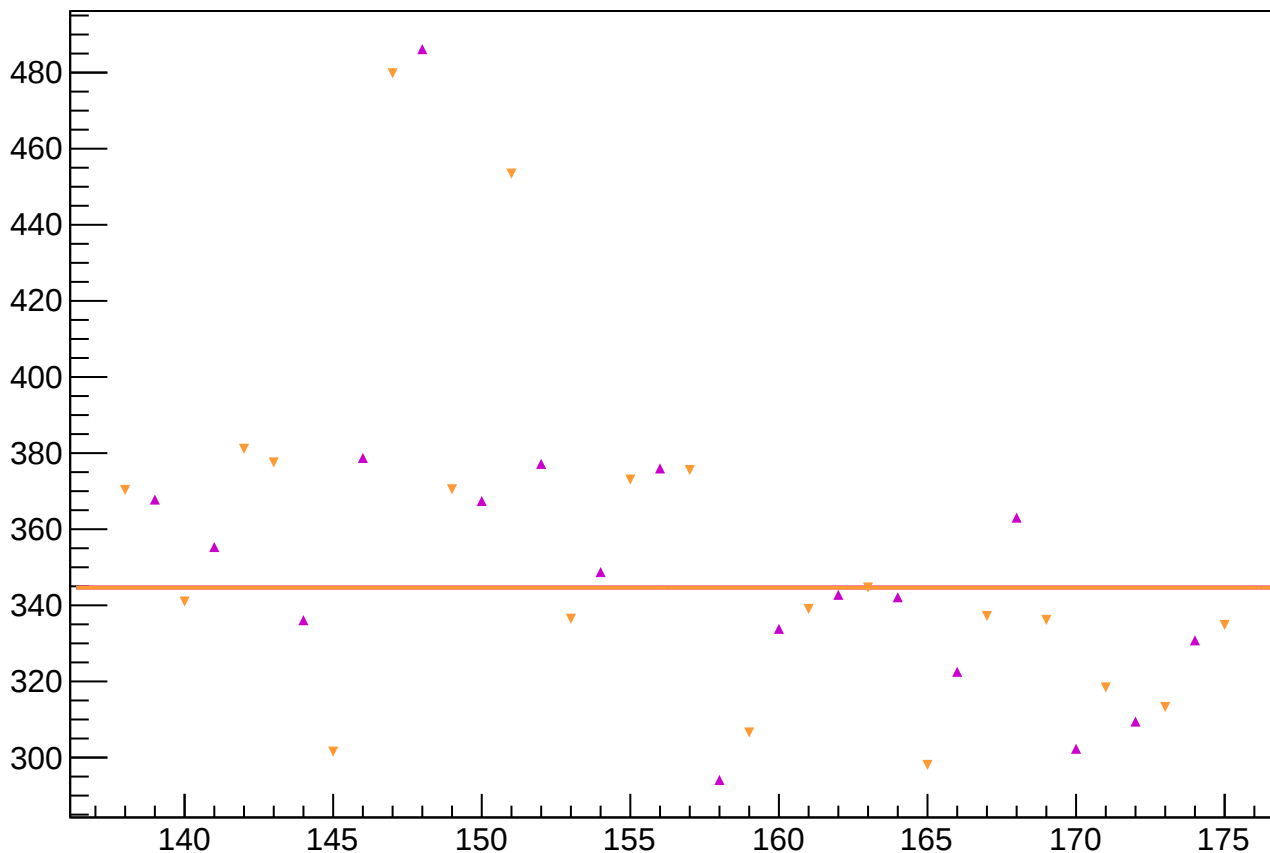
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -106.929 $\pm$ 92.181 χ^2 /NDF:30.3/17

Out: -8.159 $\pm$ 89.455 χ^2 /NDF:25.1/19

All: -56.062 $\pm$ 64.196 χ^2 /NDF: 56.0/37

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



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

Left Out: 344.660+/-0.063 χ^2/NDF :381609.3/19

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

Left In: 344.694+/-0.065 χ^2/NDF :300756.6/17

Left: 344.676+/-0.045 χ^2/NDF : 682366.0/37

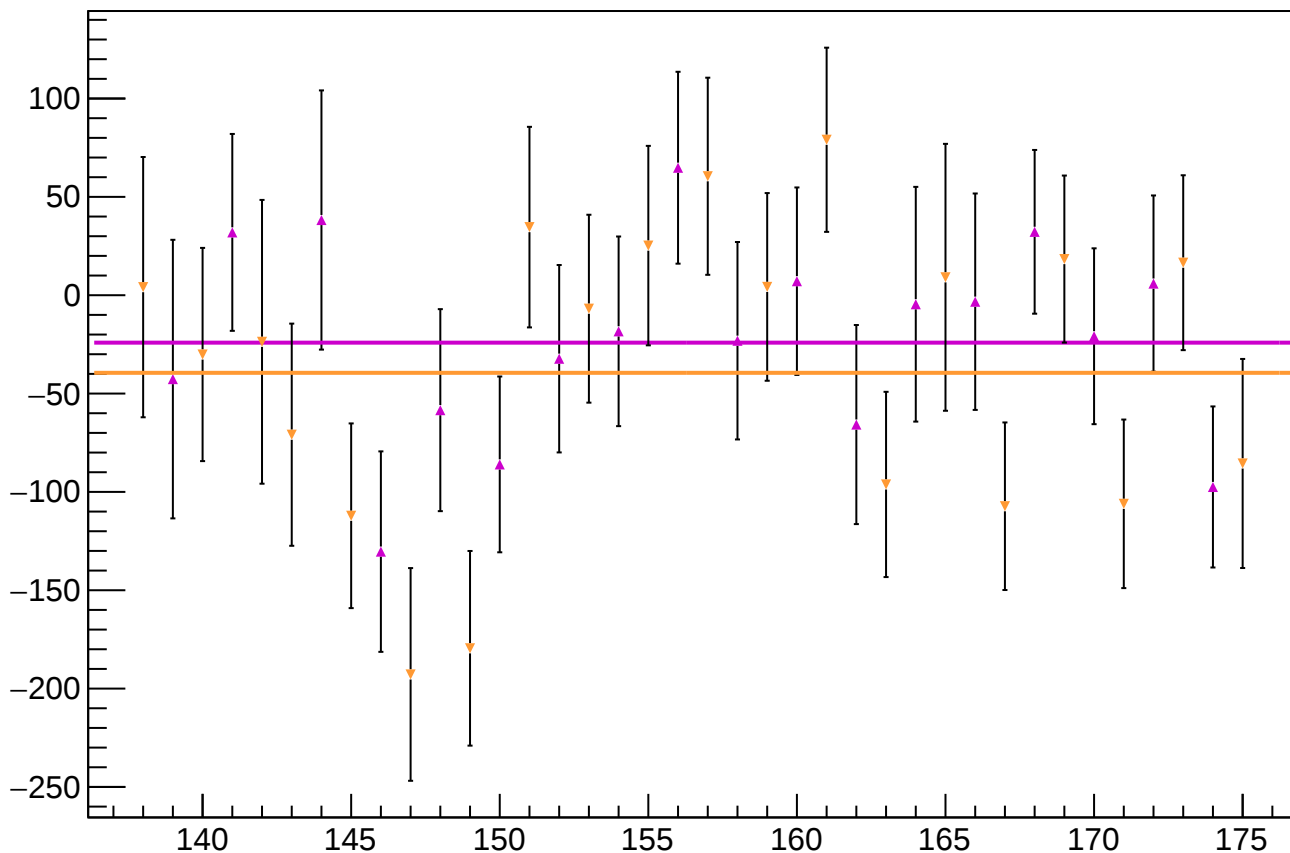
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 344.694+/-0.065 χ^2/NDF :300756.6/17

Out: 344.660+/-0.063 χ^2/NDF :381609.3/19

All: 344.676+/-0.045 χ^2/NDF : 682366.0/37

dit_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -39.455 ± 11.207 $\chi^2/\text{NDF}: 45.8/19$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -24.117 ± 11.628 $\chi^2/\text{NDF}: 19.2/17$

Left: -32.069 ± 8.069 $\chi^2/\text{NDF}: 65.9/37$

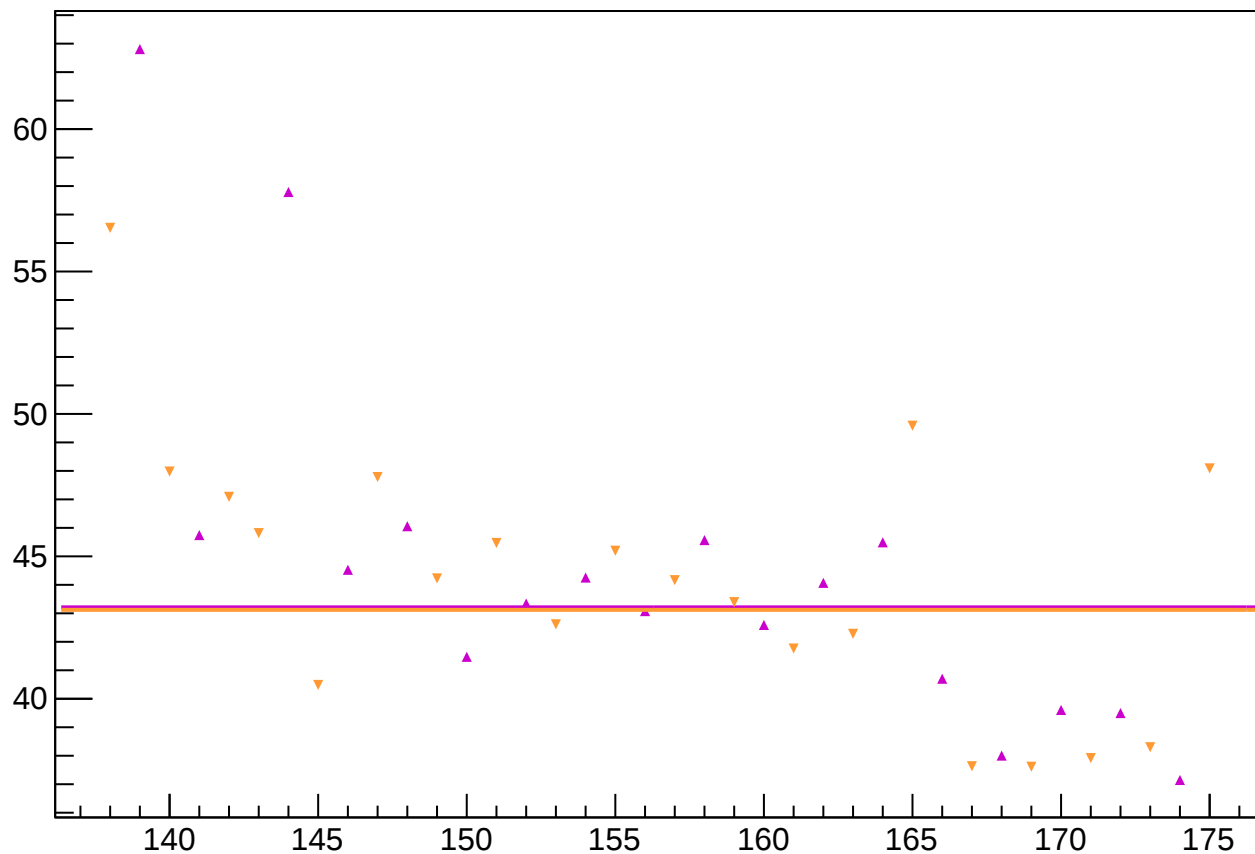
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -24.117 ± 11.628 $\chi^2/\text{NDF}: 19.2/17$

Out: -39.455 ± 11.207 $\chi^2/\text{NDF}: 45.8/19$

All: -32.069 ± 8.069 $\chi^2/\text{NDF}: 65.9/37$

dit_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



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

Left Out: 43.122+/-0.008 χ^2/NDF :297584.7/19

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

Left In: 43.209+/-0.008 χ^2/NDF :381990.9/17

Left: 43.164+/-0.006 χ^2/NDF : 679633.7/37

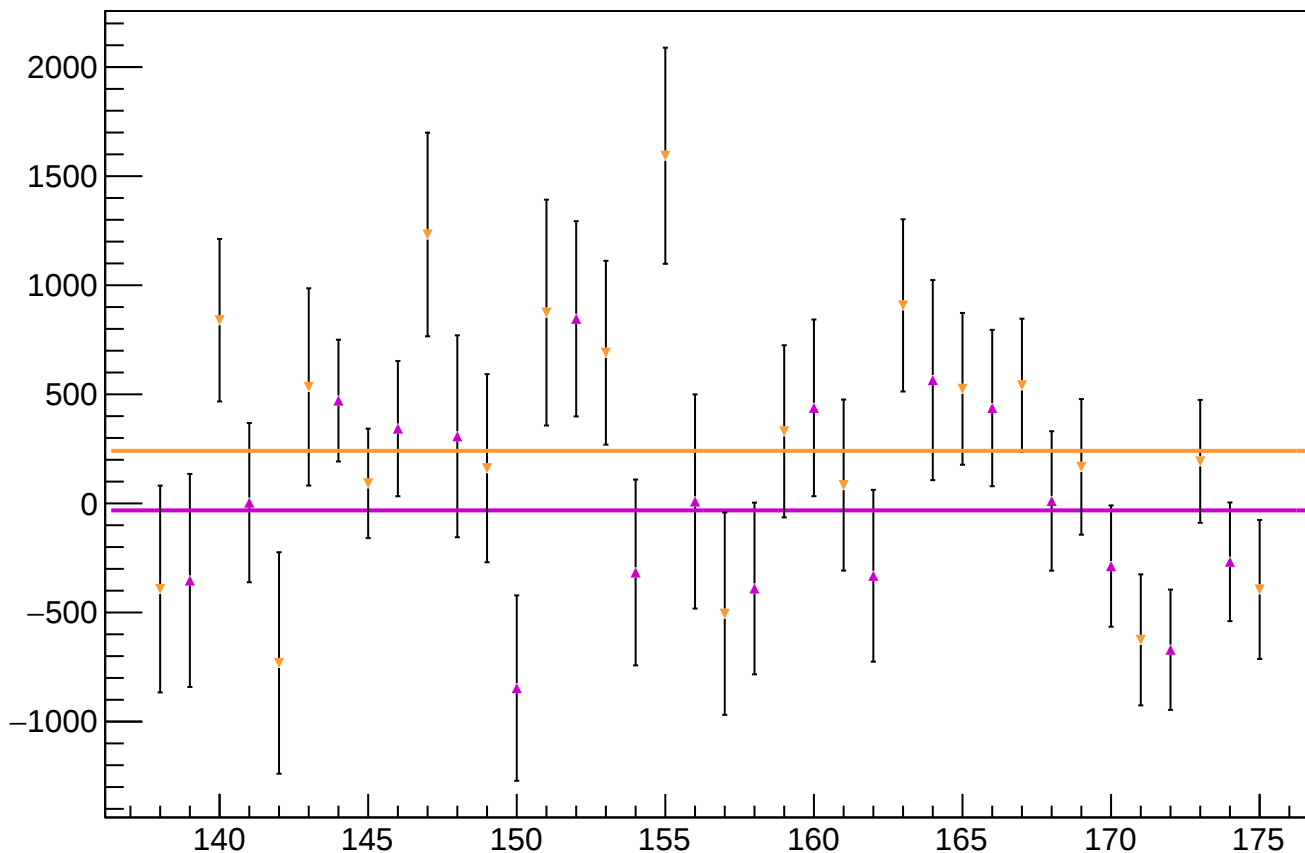
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 43.209+/-0.008 χ^2/NDF :381990.9/17

Out: 43.122+/-0.008 χ^2/NDF :297584.7/19

All: 43.164+/-0.006 χ^2/NDF : 679633.7/37

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: 241.028+/-82.589 χ^2/NDF :43.1/19

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

Left In: -31.963+/-84.287 χ^2/NDF :26.8/17

Left: 107.309+/-58.990 χ^2/NDF : 75.3/37

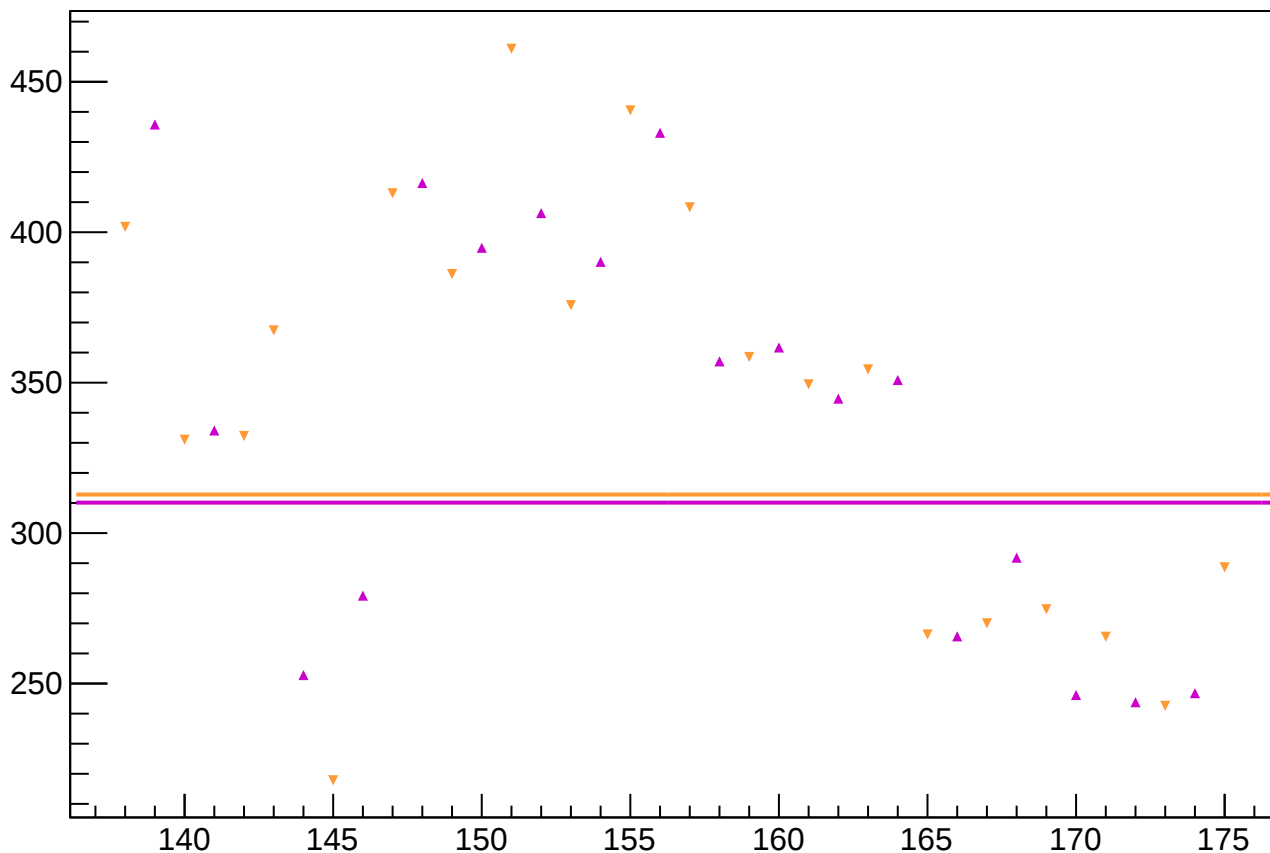
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -31.963+/-84.287 χ^2/NDF :26.8/17

Out: 241.028+/-82.589 χ^2/NDF :43.1/19

All: 107.309+/-58.990 χ^2/NDF : 75.3/37

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: 312.823+/-0.058 χ^2/NDF :1326994.4/19

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

Left In: 310.131+/-0.060 χ^2/NDF :1178290.0/17

Left: 311.504+/-0.042 χ^2/NDF : 2506325.5/37

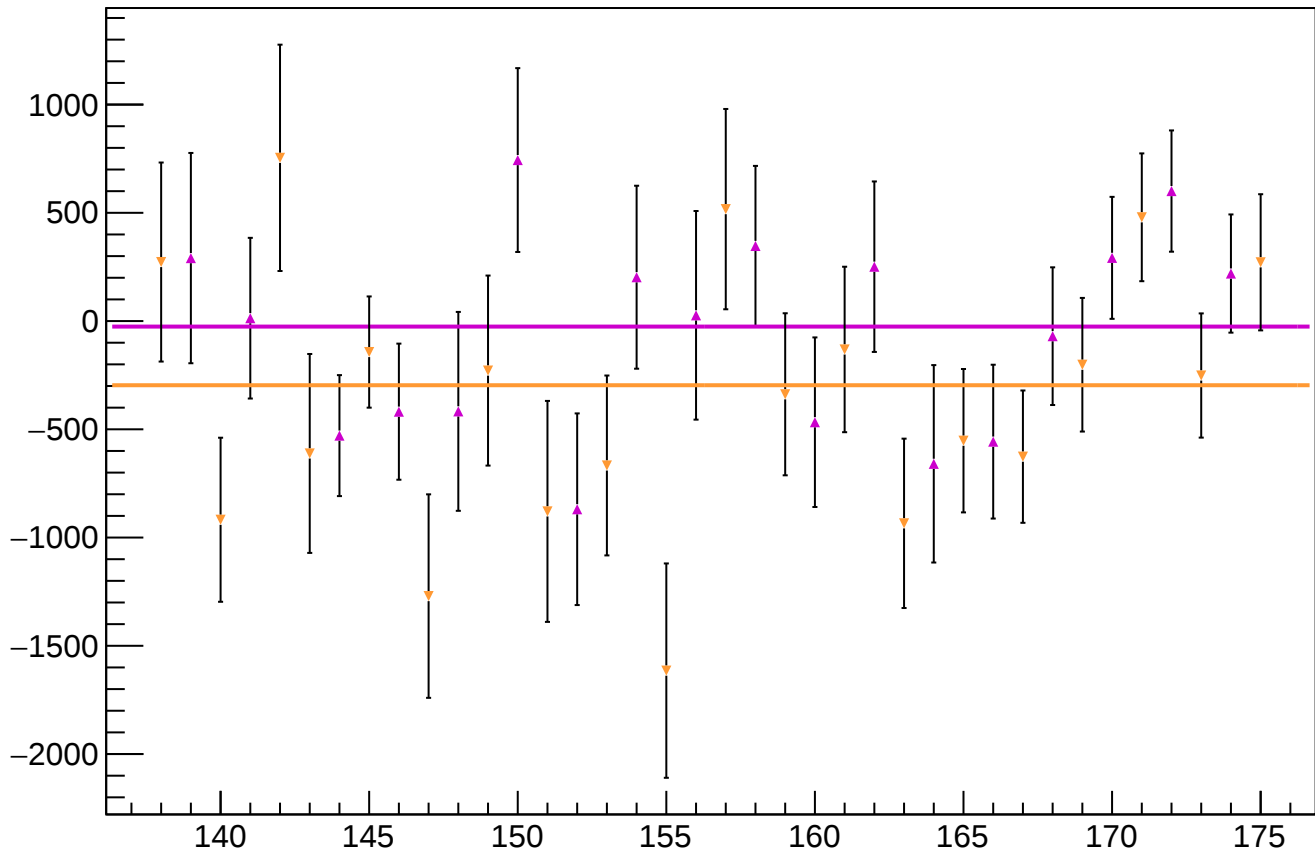
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 310.131+/-0.060 χ^2/NDF :1178290.0/17

Out: 312.823+/-0.058 χ^2/NDF :1326994.4/19

All: 311.504+/-0.042 χ^2/NDF : 2506325.5/37

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



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

Left Out: -296.408+/-82.218 χ^2/NDF :40.6/19

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

Left In: -25.504+/-84.098 χ^2/NDF :27.2/17

Left: -164.018+/-58.790 χ^2/NDF : 73.1/37

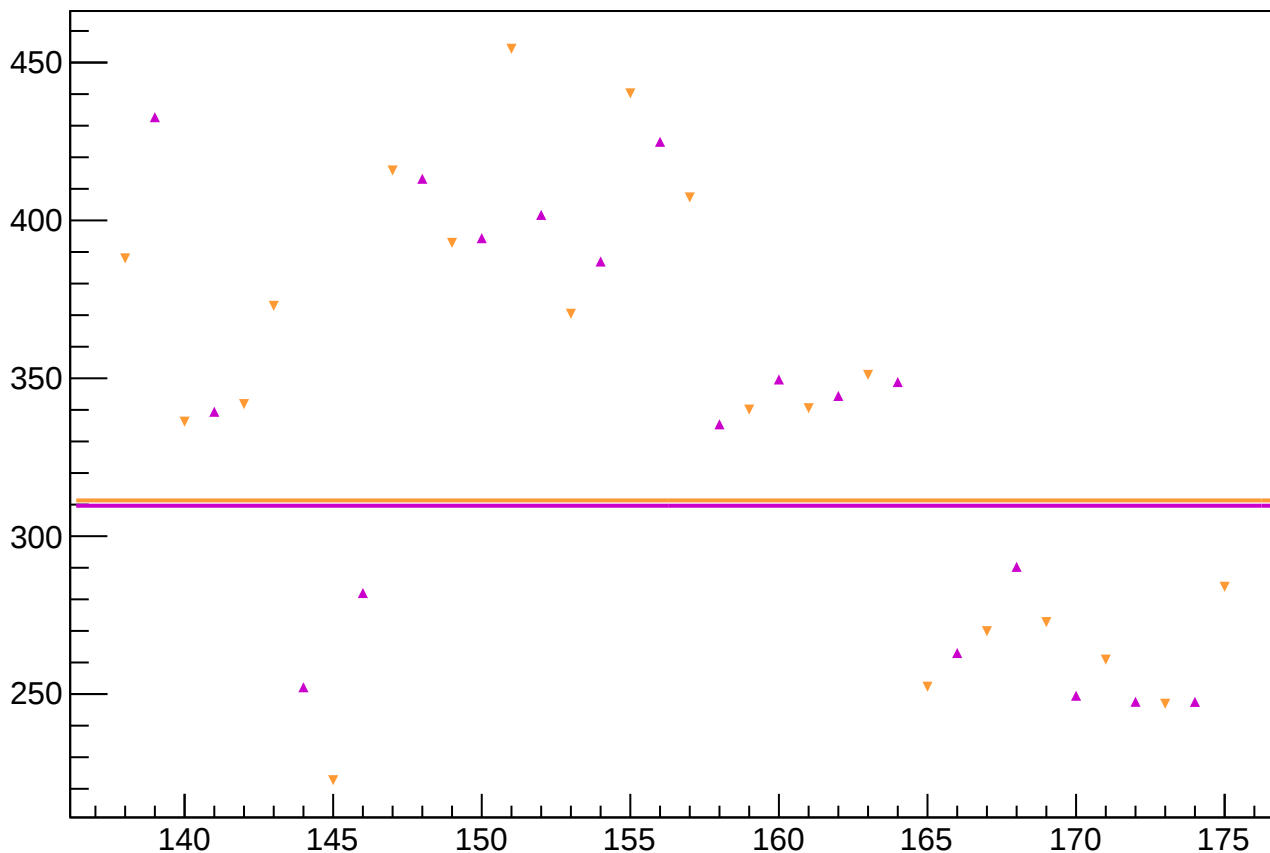
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -25.504+/-84.098 χ^2/NDF :27.2/17

Out: -296.408+/-82.218 χ^2/NDF :40.6/19

All: -164.018+/-58.790 χ^2/NDF : 73.1/37

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



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

Left Out: 311.326+/-0.058 χ^2/NDF :1281890.3/19

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

Left In: 309.647+/-0.059 χ^2/NDF :1086453.2/17

Left: 310.505+/-0.042 χ^2/NDF : 2368751.2/37

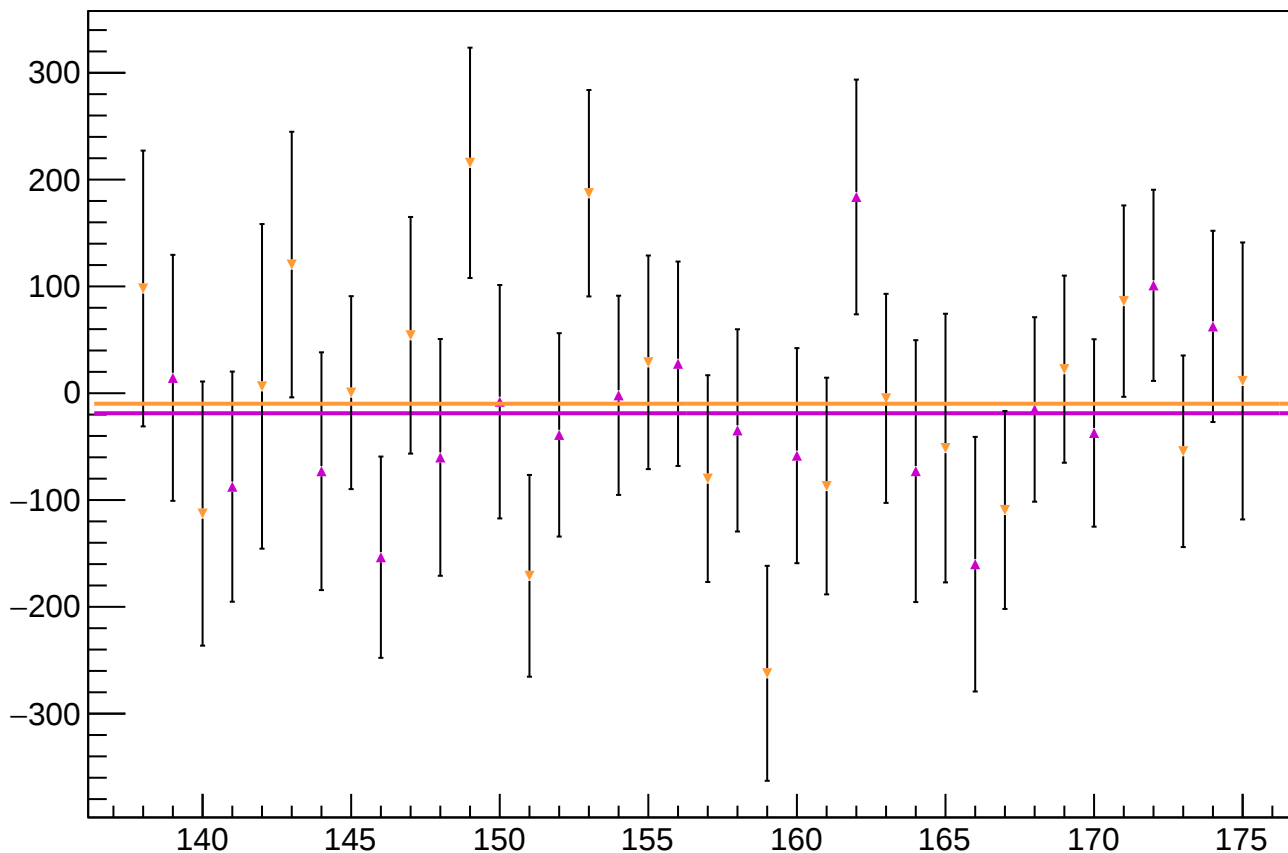
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 309.647+/-0.059 χ^2/NDF :1086453.2/17

Out: 311.326+/-0.058 χ^2/NDF :1281890.3/19

All: 310.505+/-0.042 χ^2/NDF : 2368751.2/37

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: -9.825 ± 23.137 $\chi^2/\text{NDF}: 24.7/19$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -18.740 ± 23.583 $\chi^2/\text{NDF}: 11.1/17$

Left: -14.198 ± 16.516 $\chi^2/\text{NDF}: 35.8/37$

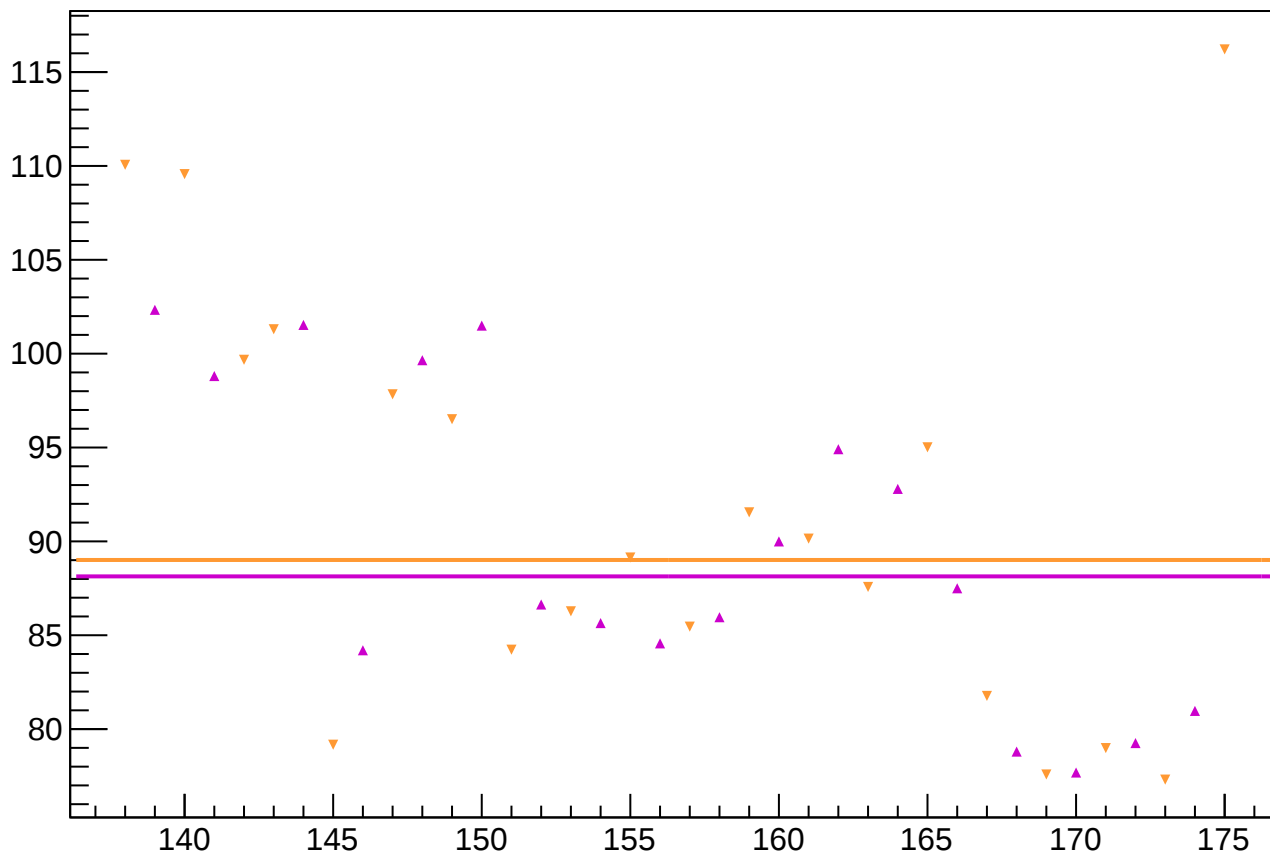
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -18.740 ± 23.583 $\chi^2/\text{NDF}: 11.1/17$

Out: -9.825 ± 23.137 $\chi^2/\text{NDF}: 24.7/19$

All: -14.198 ± 16.516 $\chi^2/\text{NDF}: 35.8/37$

dit_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



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

Left Out: 89.009+/-0.016 χ^2/NDF :393150.2/19

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

Left In: 88.135+/-0.017 χ^2/NDF :235189.0/17

Left: 88.581+/-0.012 χ^2/NDF : 629739.4/37

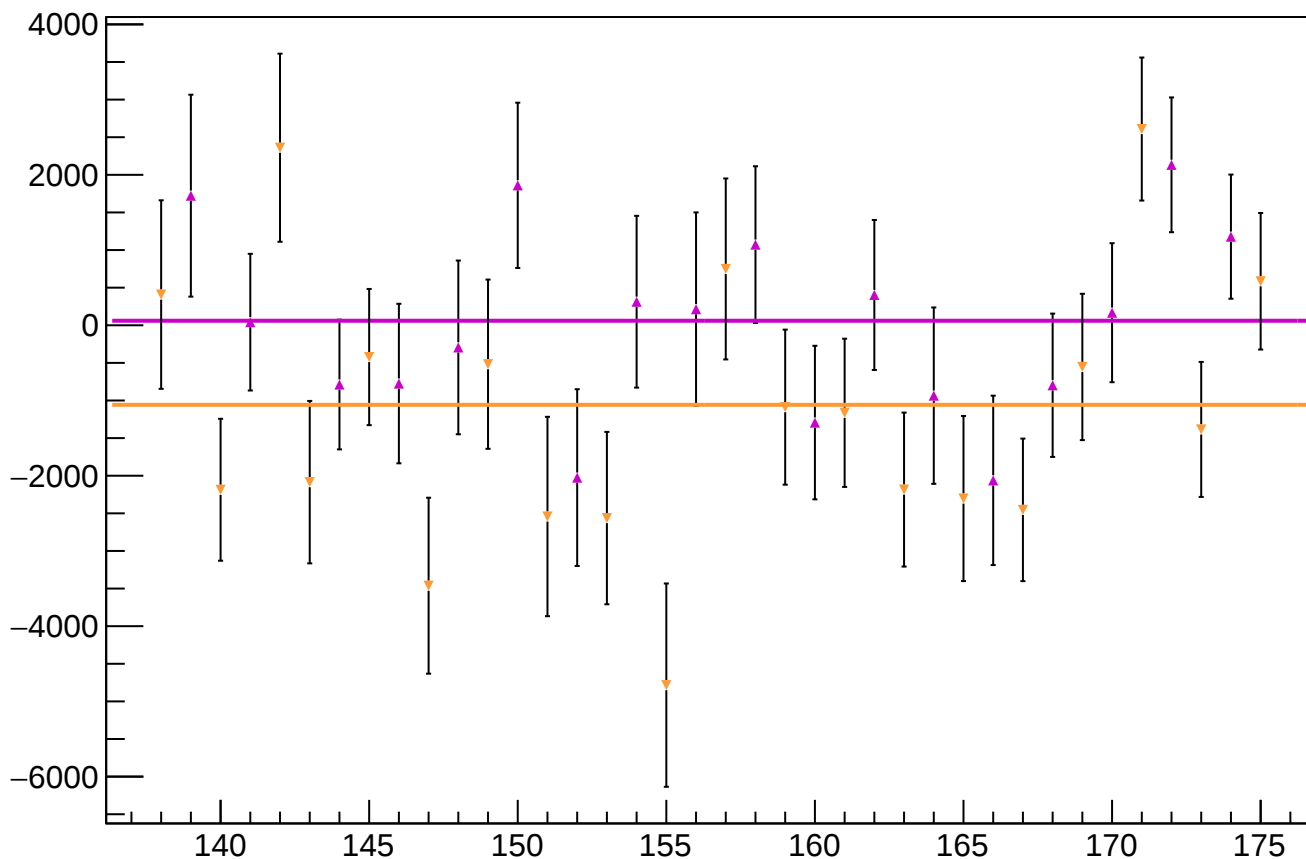
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 88.135+/-0.017 χ^2/NDF :235189.0/17

Out: 89.009+/-0.016 χ^2/NDF :393150.2/19

All: 88.581+/-0.012 χ^2/NDF : 629739.4/37

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: -1057.363+/-235.318 χ^2/NDF :52.2/19

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

Left In: 60.339+/-242.068 χ^2/NDF :24.2/17

Left: -514.312+/-168.731 χ^2/NDF : 87.4/37

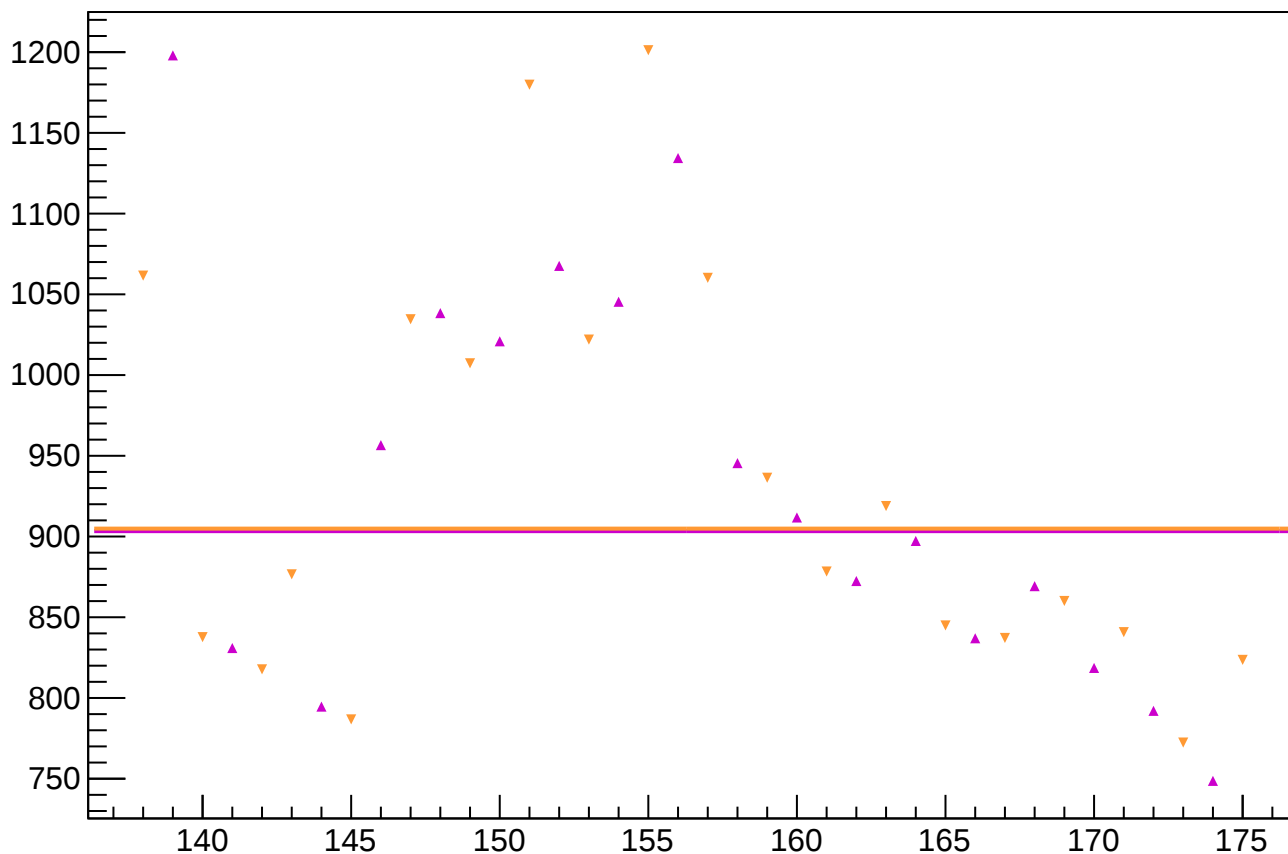
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 60.339+/-242.068 χ^2/NDF :24.2/17

Out: -1057.363+/-235.318 χ^2/NDF :52.2/19

All: -514.312+/-168.731 χ^2/NDF : 87.4/37

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: 904.896+/-0.166 χ^2/NDF : 457094.8/19

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

Left In: 903.325+/-0.171 χ^2/NDF : 463518.3/17

Left: 904.132+/-0.119 χ^2/NDF : 920656.4/37

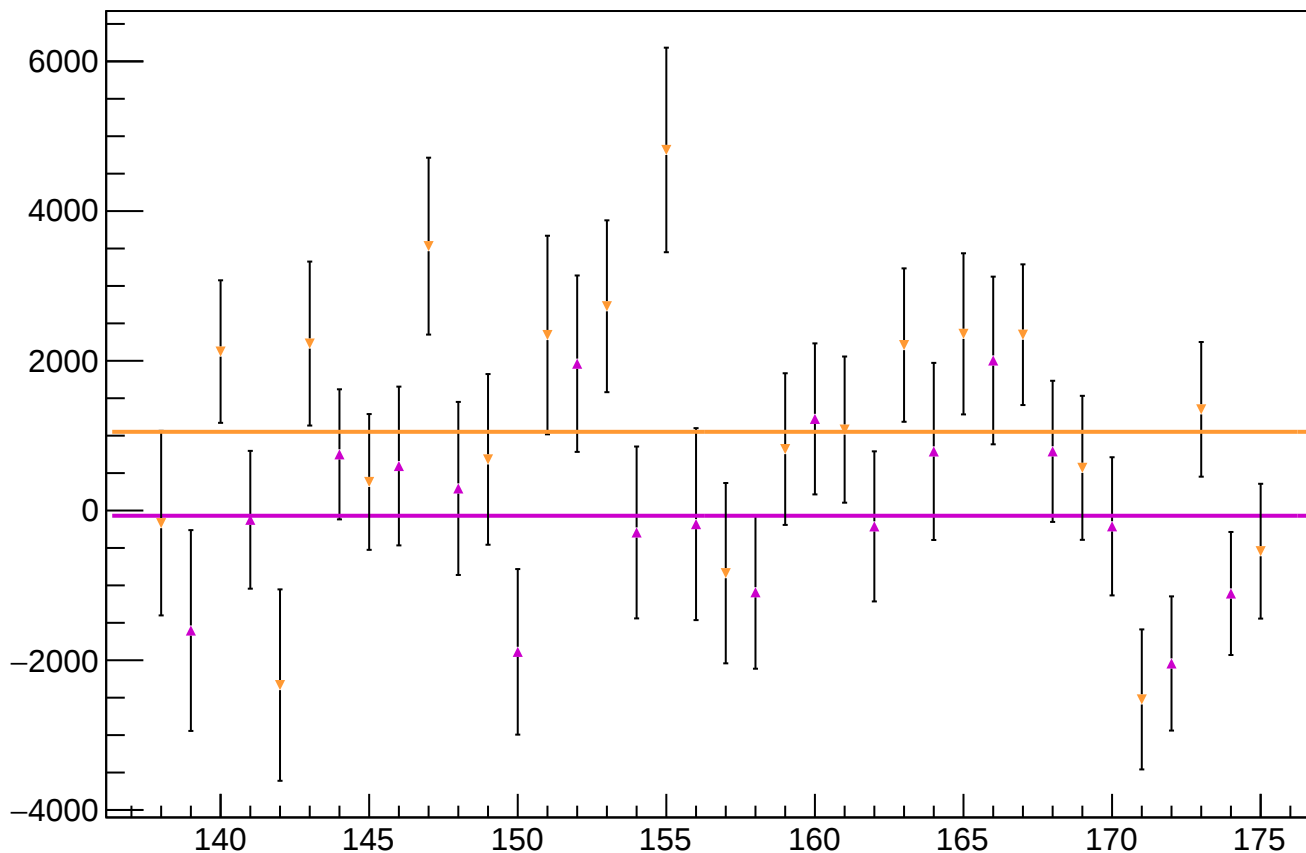
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 903.325+/-0.171 χ^2/NDF : 463518.3/17

Out: 904.896+/-0.166 χ^2/NDF : 457094.8/19

All: 904.132+/-0.119 χ^2/NDF : 920656.4/37

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



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

Left Out: 1051.513+/-234.887 χ^2/NDF :51.4/19

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

Left In: -69.752+/-241.996 χ^2/NDF :22.3/17

Left: 507.592+/-168.547 χ^2/NDF : 84.8/37

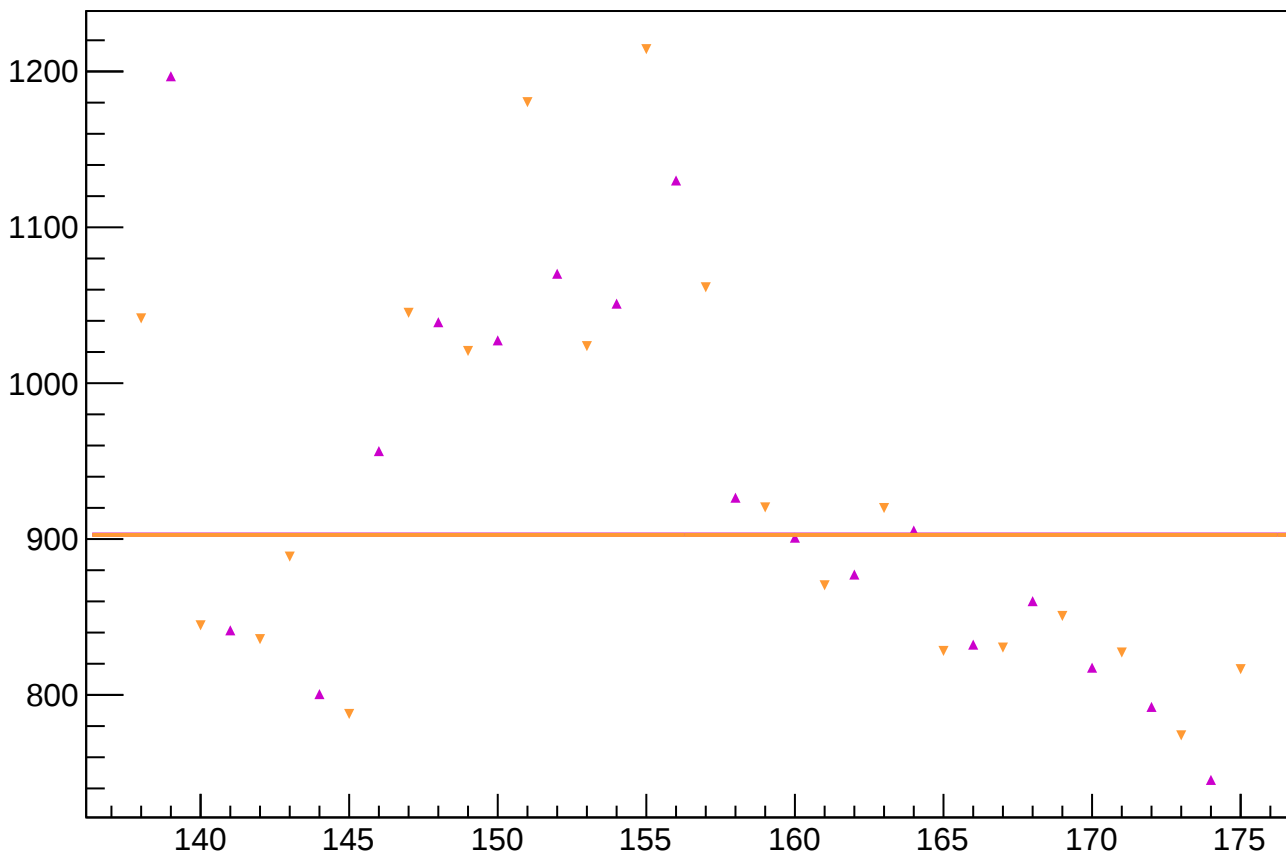
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -69.752+/-241.996 χ^2/NDF :22.3/17

Out: 1051.513+/-234.887 χ^2/NDF :51.4/19

All: 507.592+/-168.547 χ^2/NDF : 84.8/37

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



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

Left Out: 902.665+/-0.166 χ^2/NDF :472775.7/19

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

Left In: 902.869+/-0.171 χ^2/NDF :462867.9/17

Left: 902.764+/-0.119 χ^2/NDF : 935644.3/37

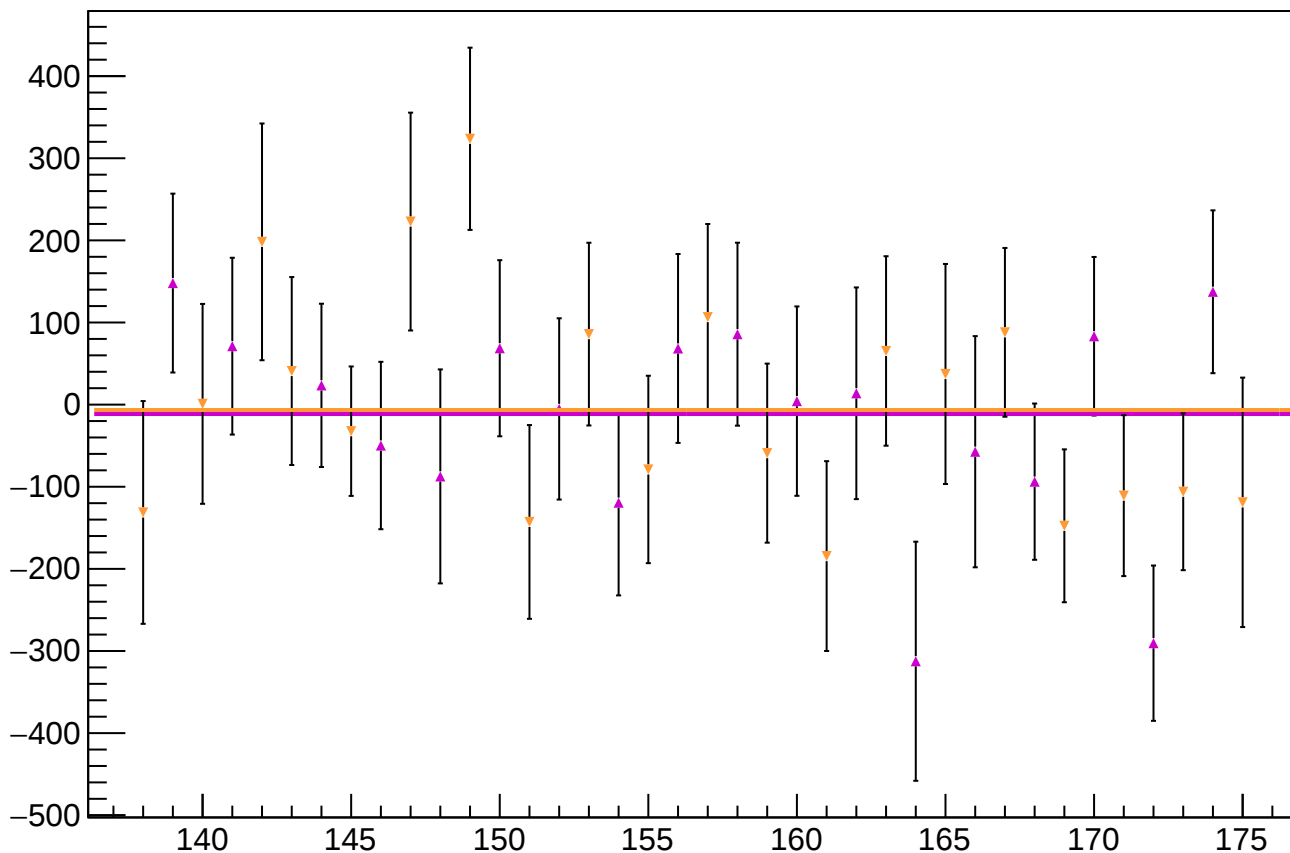
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 902.869+/-0.171 χ^2/NDF :462867.9/17

Out: 902.665+/-0.166 χ^2/NDF :472775.7/19

All: 902.764+/-0.119 χ^2/NDF : 935644.3/37

dit_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -6.570 $\pm$ 24.923 χ^2 /NDF:27.4/19

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

Left In: -11.448 $\pm$ 25.862 χ^2 /NDF:23.2/17

Left: -8.919 $\pm$ 17.946 χ^2 /NDF: 50.6/37

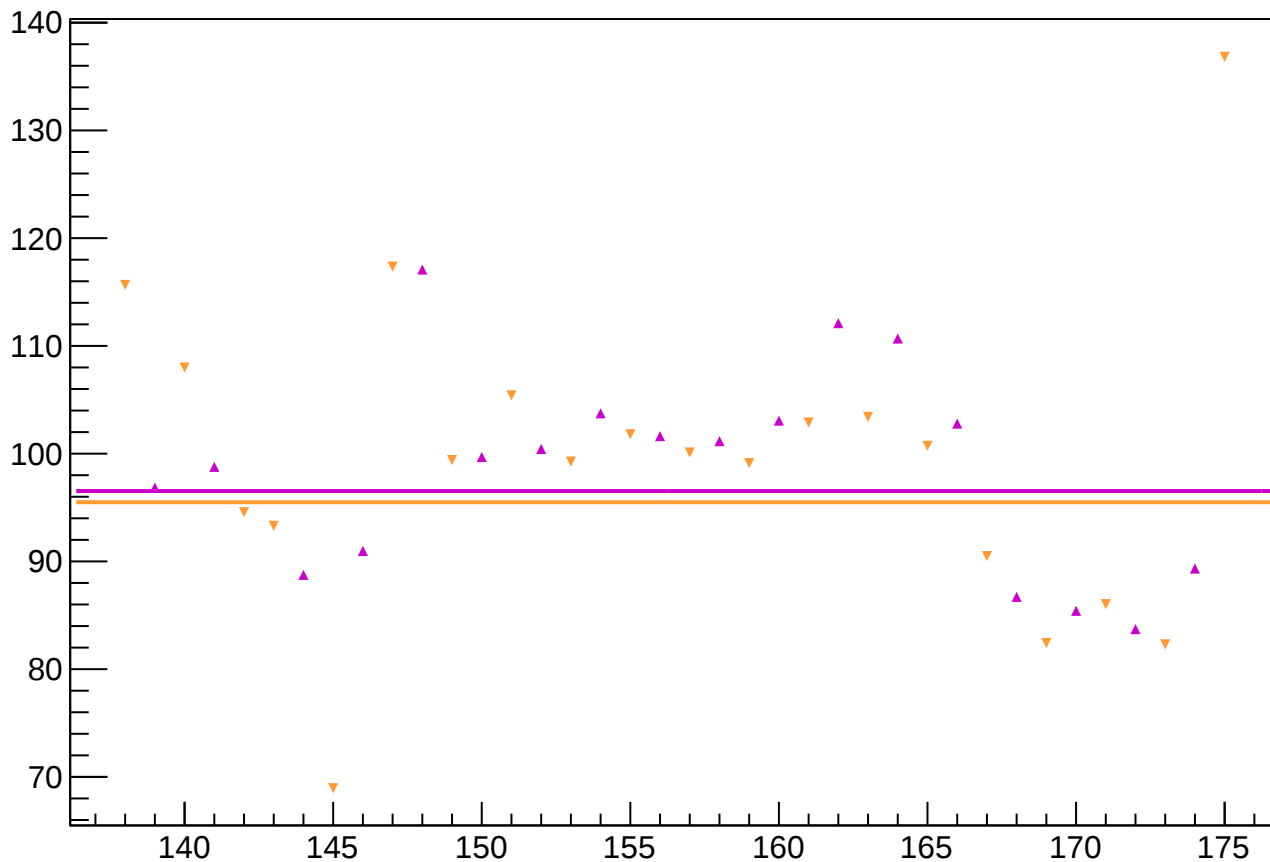
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -11.448 $\pm$ 25.862 χ^2 /NDF:23.2/17

Out: -6.570 $\pm$ 24.923 χ^2 /NDF:27.4/19

All: -8.919 $\pm$ 17.946 χ^2 /NDF: 50.6/37

dit_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 95.494 $\pm$ 0.018 χ^2 /NDF:647637.7/19

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

Left In: 96.530 $\pm$ 0.018 χ^2 /NDF:242309.0/17

Left: 95.993 $\pm$ 0.013 χ^2 /NDF: 891612.6/37

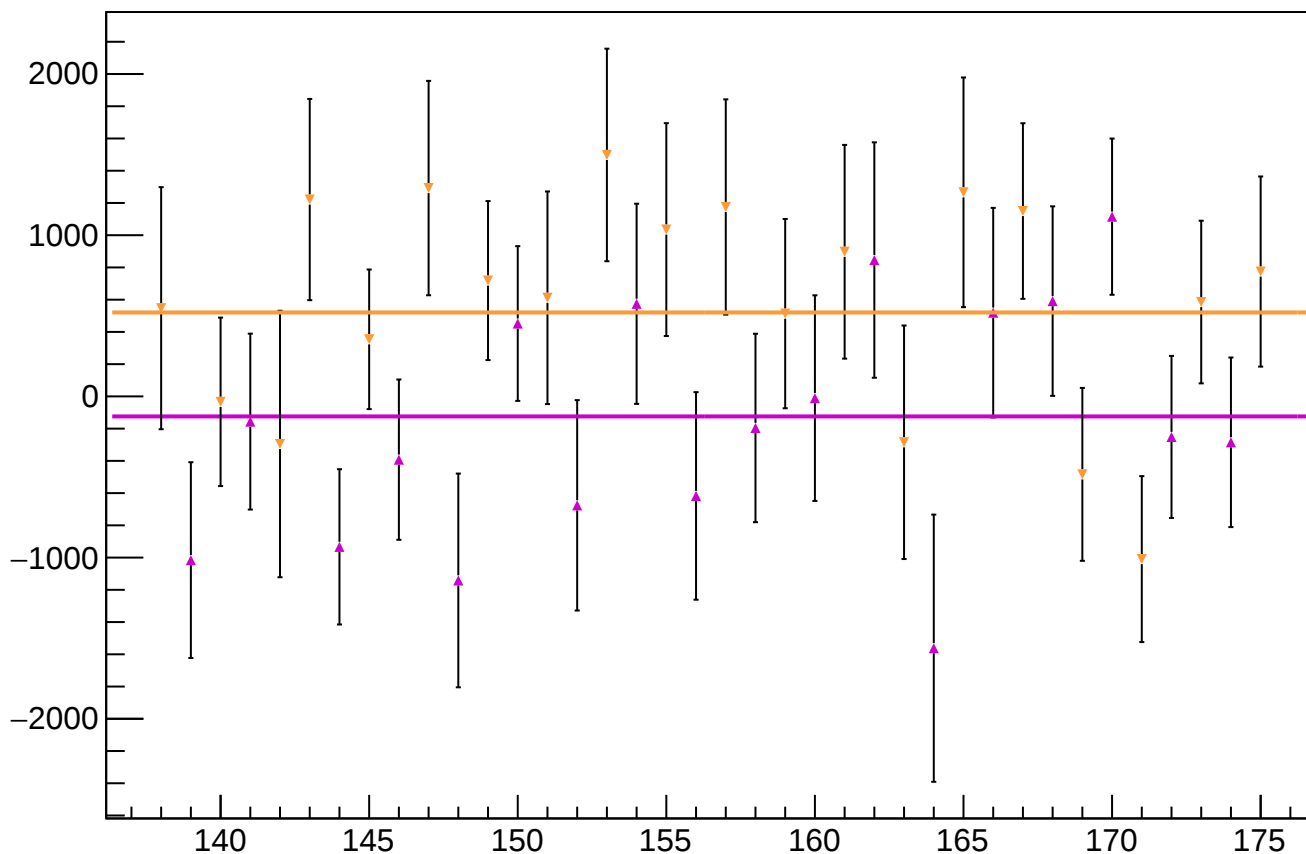
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 96.530 $\pm$ 0.018 χ^2 /NDF:242309.0/17

Out: 95.494 $\pm$ 0.018 χ^2 /NDF:647637.7/19

All: 95.993 $\pm$ 0.013 χ^2 /NDF: 891612.6/37

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: 520.719+/-132.712 χ^2/NDF :25.3/19

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

Left In: -124.242+/-135.828 χ^2/NDF :25.6/17

Left: 205.719+/-94.924 χ^2/NDF : 62.5/37

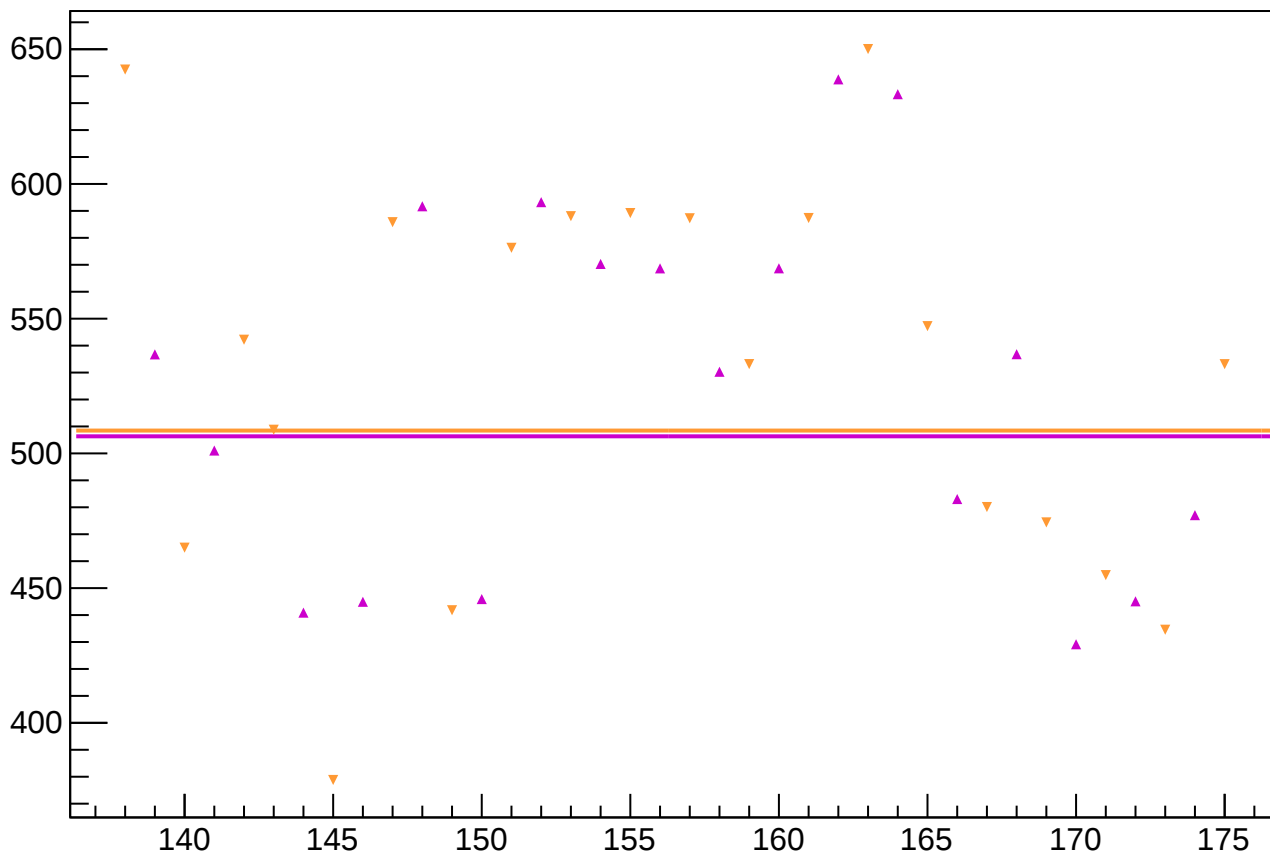
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -124.242+/-135.828 χ^2/NDF :25.6/17

Out: 520.719+/-132.712 χ^2/NDF :25.3/19

All: 205.719+/-94.924 χ^2/NDF : 62.5/37

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: 508.473+/-0.094 χ^2/NDF :627582.4/19

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

Left In: 506.338+/-0.096 χ^2/NDF :442726.4/17

Left: 507.430+/-0.067 χ^2/NDF : 1070561.6/37

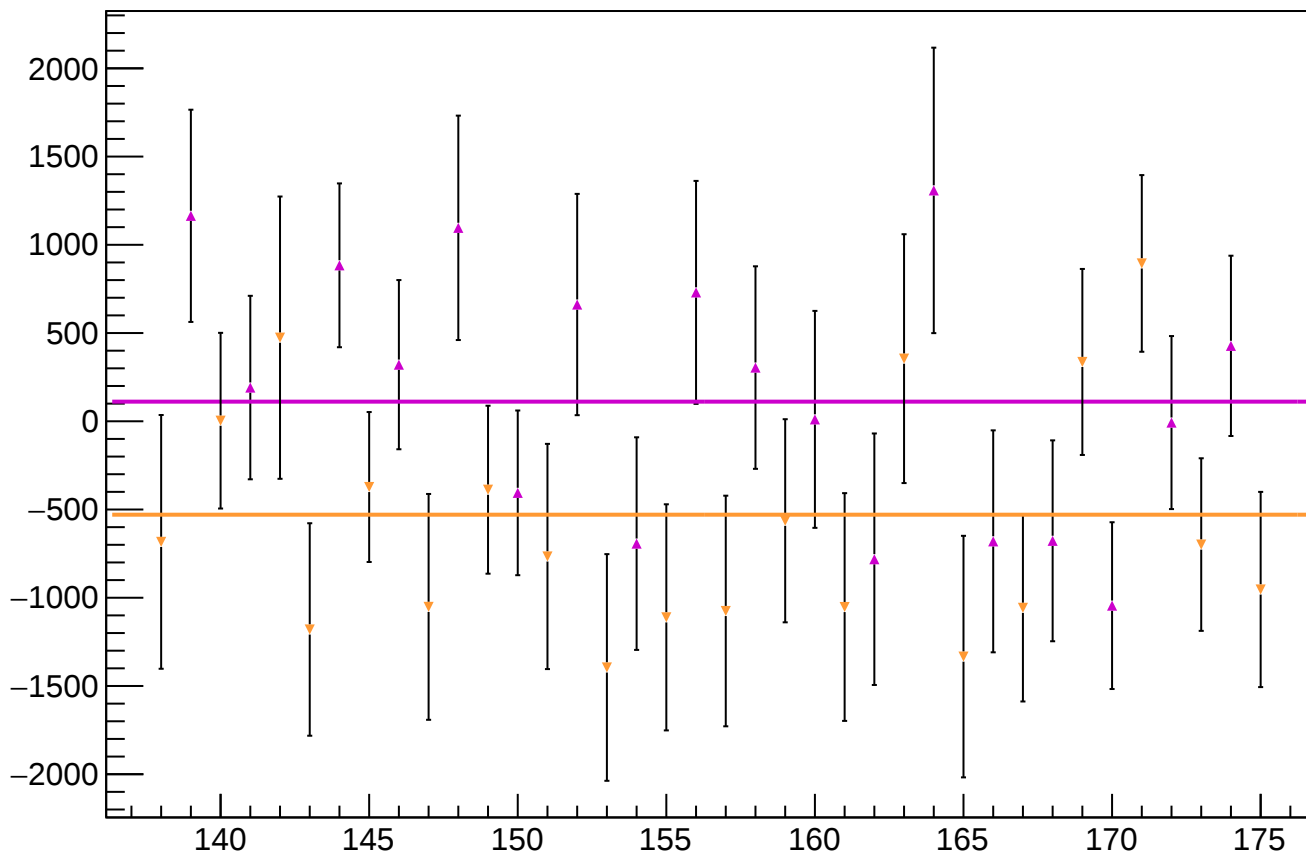
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 506.338+/-0.096 χ^2/NDF :442726.4/17

Out: 508.473+/-0.094 χ^2/NDF :627582.4/19

All: 507.430+/-0.067 χ^2/NDF : 1070561.6/37

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -529.357+/-128.556 χ^2/NDF :24.4/19

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

Left In: 111.233+/-131.765 χ^2/NDF :27.0/17

Left: -216.956+/-92.016 χ^2/NDF : 63.5/37

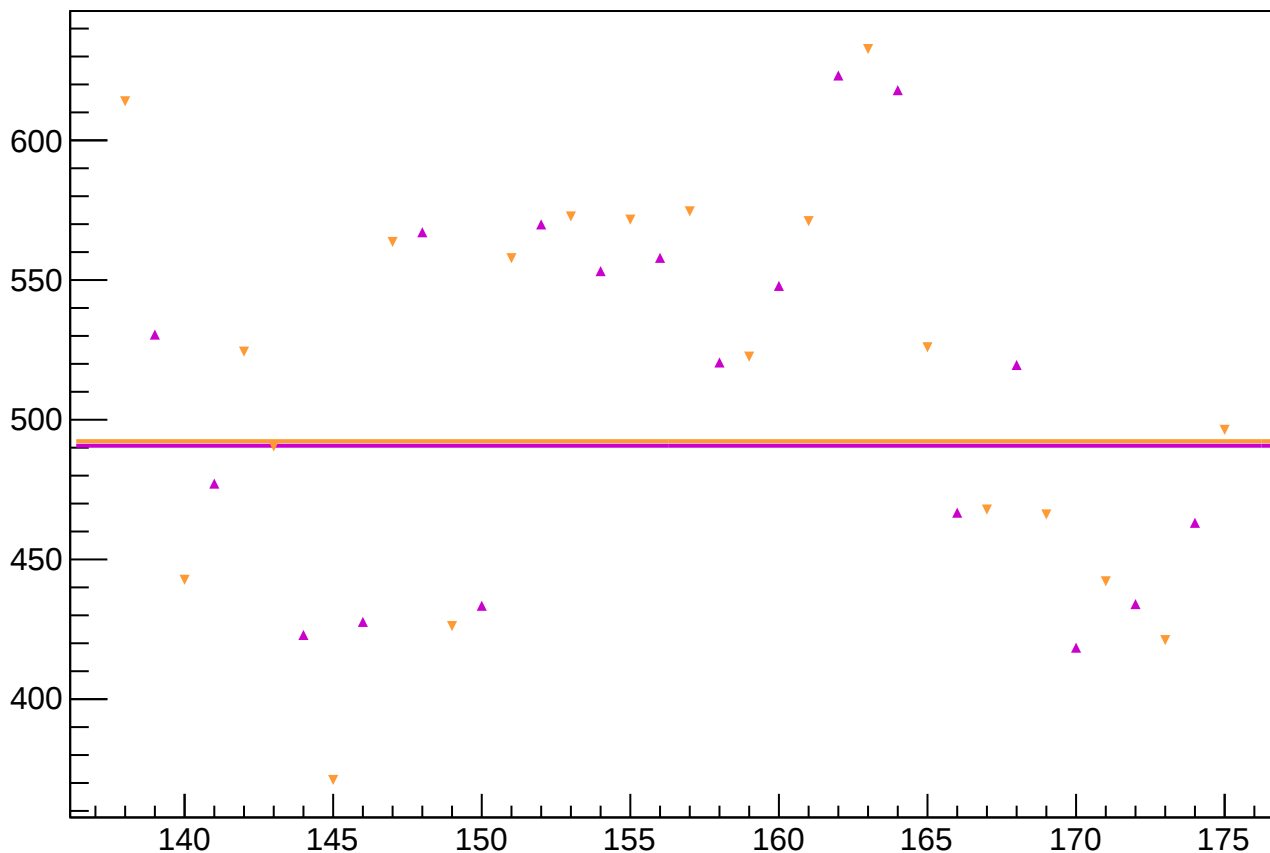
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 111.233+/-131.765 χ^2/NDF :27.0/17

Out: -529.357+/-128.556 χ^2/NDF :24.4/19

All: -216.956+/-92.016 χ^2/NDF : 63.5/37

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 492.336+/-0.091 χ^2/NDF : 612600.2/19

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

Left In: 490.702+/-0.093 χ^2/NDF : 451161.9/17

Left: 491.539+/-0.065 χ^2/NDF : 1063919.6/37

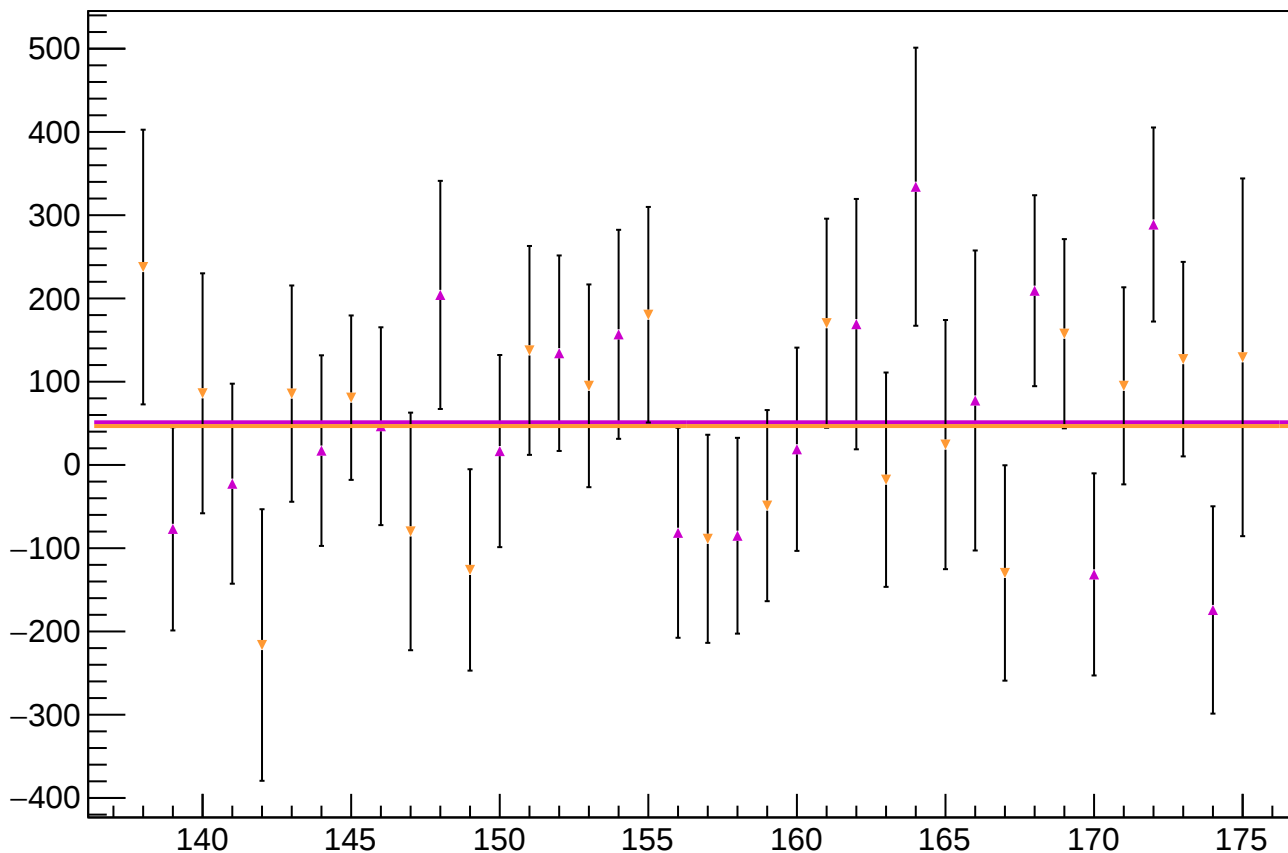
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 490.702+/-0.093 χ^2/NDF : 451161.9/17

Out: 492.336+/-0.091 χ^2/NDF : 612600.2/19

All: 491.539+/-0.065 χ^2/NDF : 1063919.6/37

dit_asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 46.729 $\pm$ 28.816 χ^2 /NDF:15.5/19

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

Left In: 51.241 $\pm$ 29.577 χ^2 /NDF:21.7/17

Left: 48.926 $\pm$ 20.640 χ^2 /NDF: 37.3/37

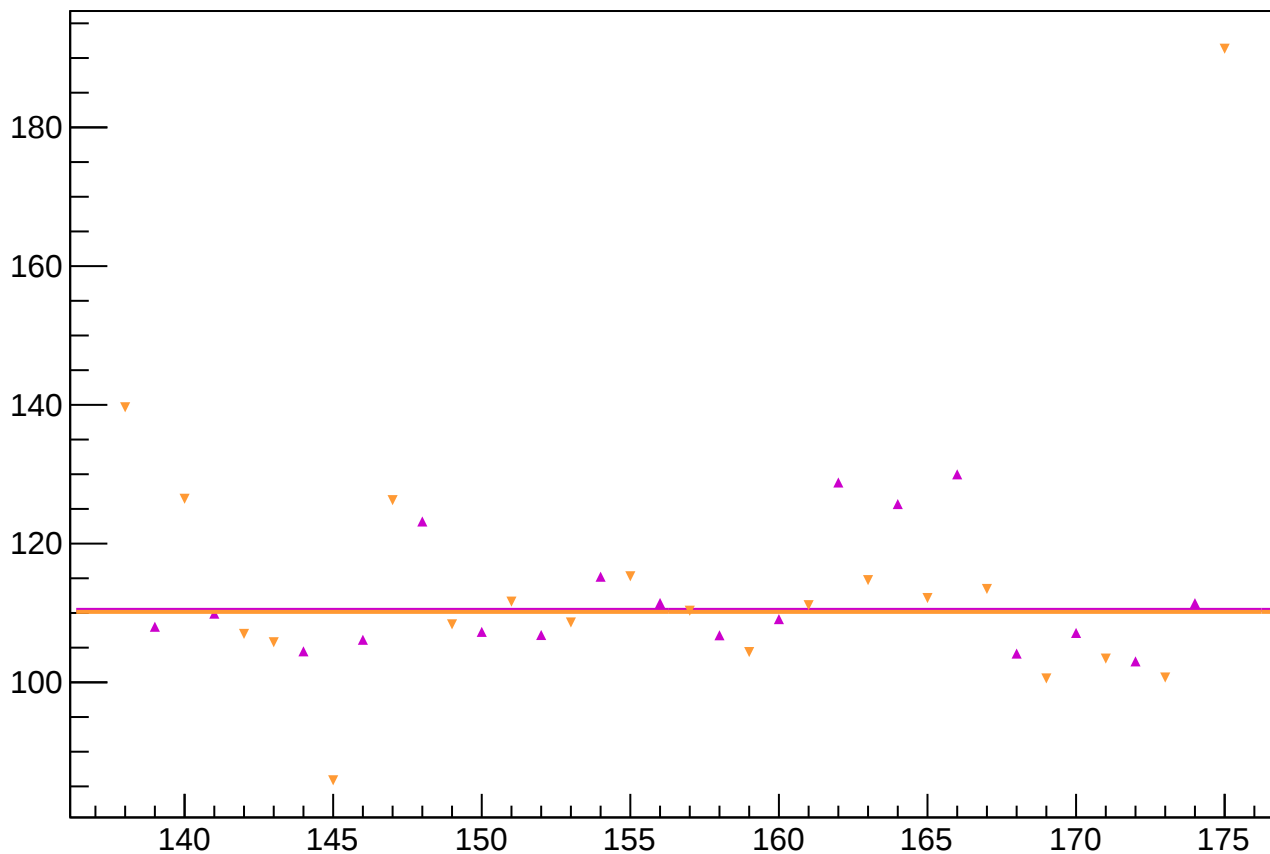
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 51.241 $\pm$ 29.577 χ^2 /NDF:21.7/17

Out: 46.729 $\pm$ 28.816 χ^2 /NDF:15.5/19

All: 48.926 $\pm$ 20.640 χ^2 /NDF: 37.3/37

dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 110.158+/-0.020 χ^2/NDF : 571936.0/19

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

Left In: 110.448+/-0.021 χ^2/NDF : 120632.3/17

Left: 110.299+/-0.015 χ^2/NDF : 692666.5/37

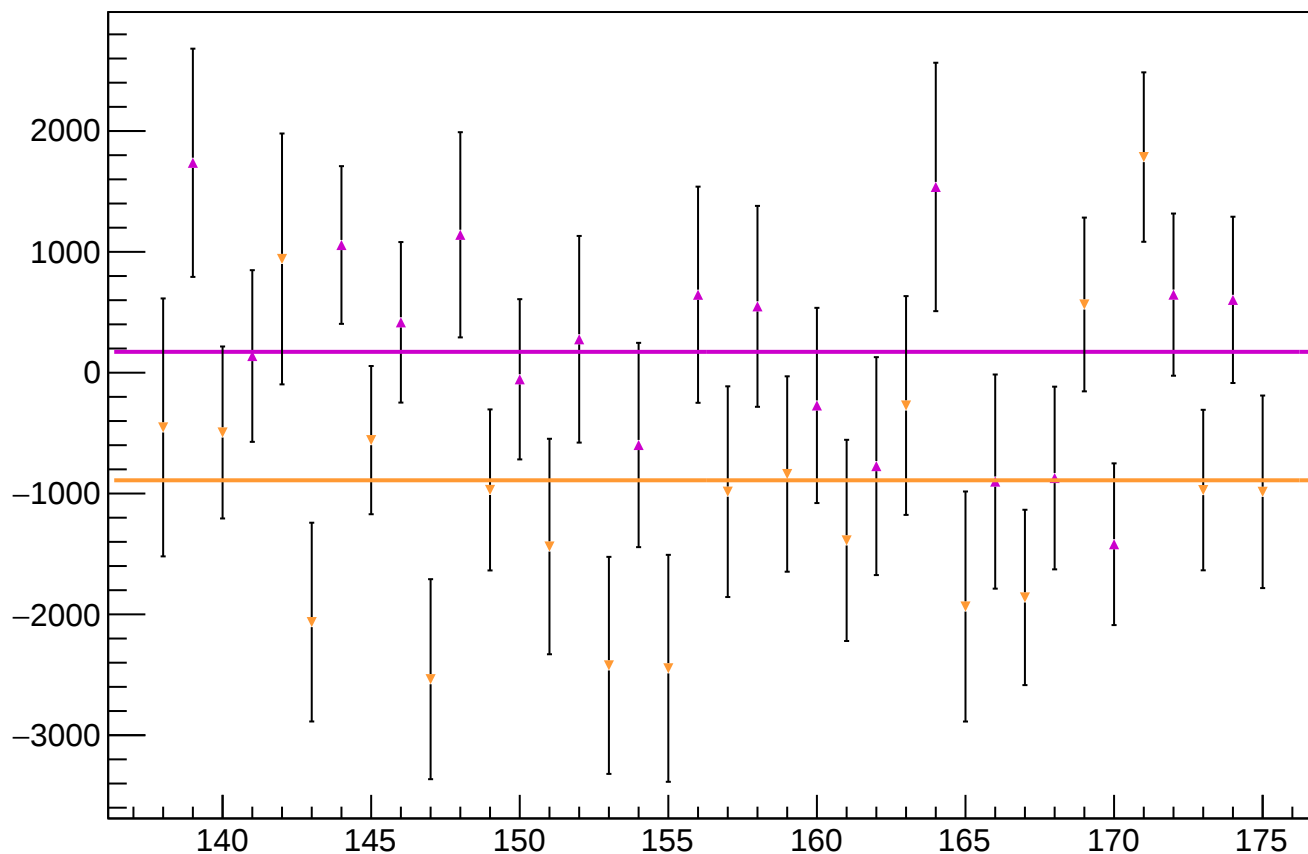
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 110.448+/-0.021 χ^2/NDF : 120632.3/17

Out: 110.158+/-0.020 χ^2/NDF : 571936.0/19

All: 110.299+/-0.015 χ^2/NDF : 692666.5/37

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -890.490+/-177.939 χ^2/NDF :38.4/19

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

Left In: 172.571+/-182.152 χ^2/NDF :20.6/17

Left: -371.394+/-127.285 χ^2/NDF : 76.4/37

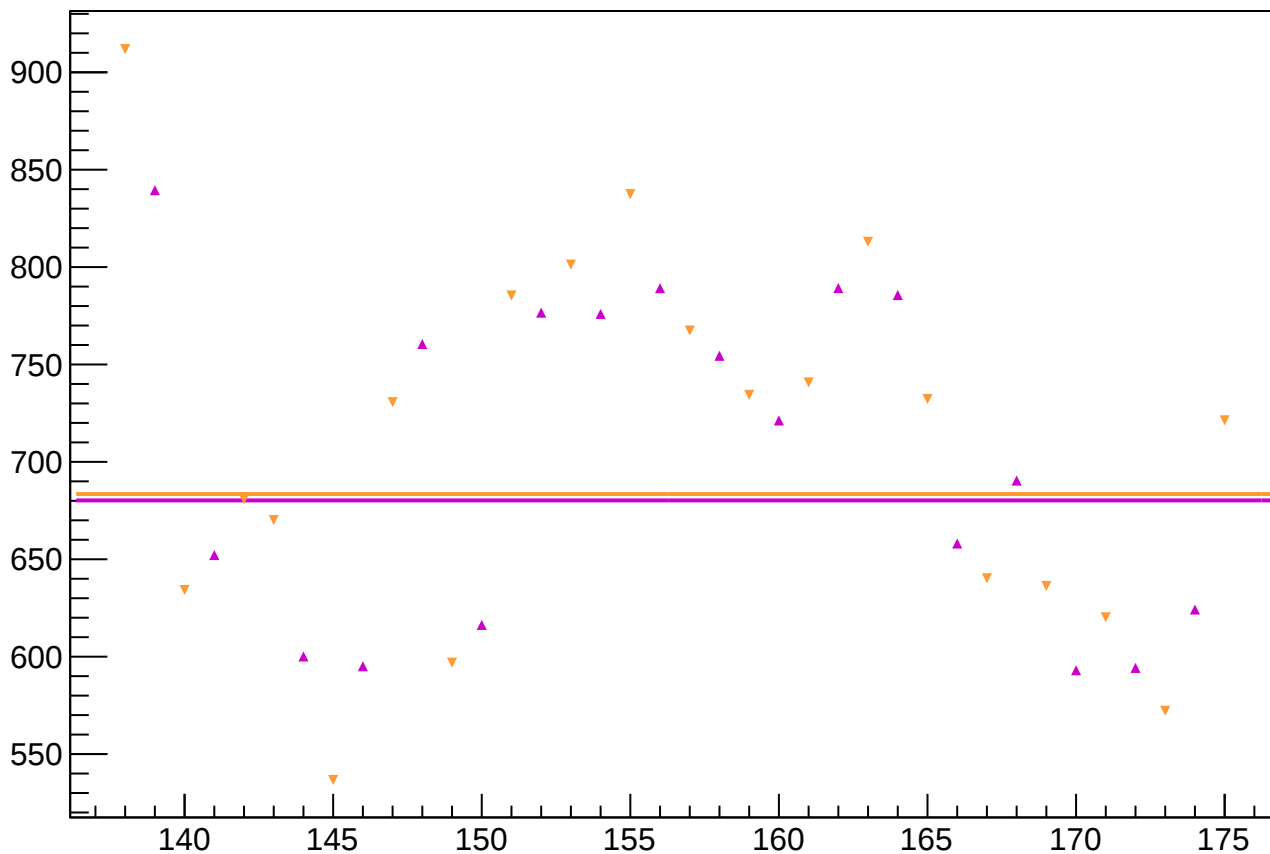
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 172.571+/-182.152 χ^2/NDF :20.6/17

Out: -890.490+/-177.939 χ^2/NDF :38.4/19

All: -371.394+/-127.285 χ^2/NDF : 76.4/37

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 683.523+/-0.126 χ^2/NDF :545581.4/19

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

Left In: 680.218+/-0.129 χ^2/NDF :393257.8/17

Left: 681.909+/-0.090 χ^2/NDF : 939176.1/37

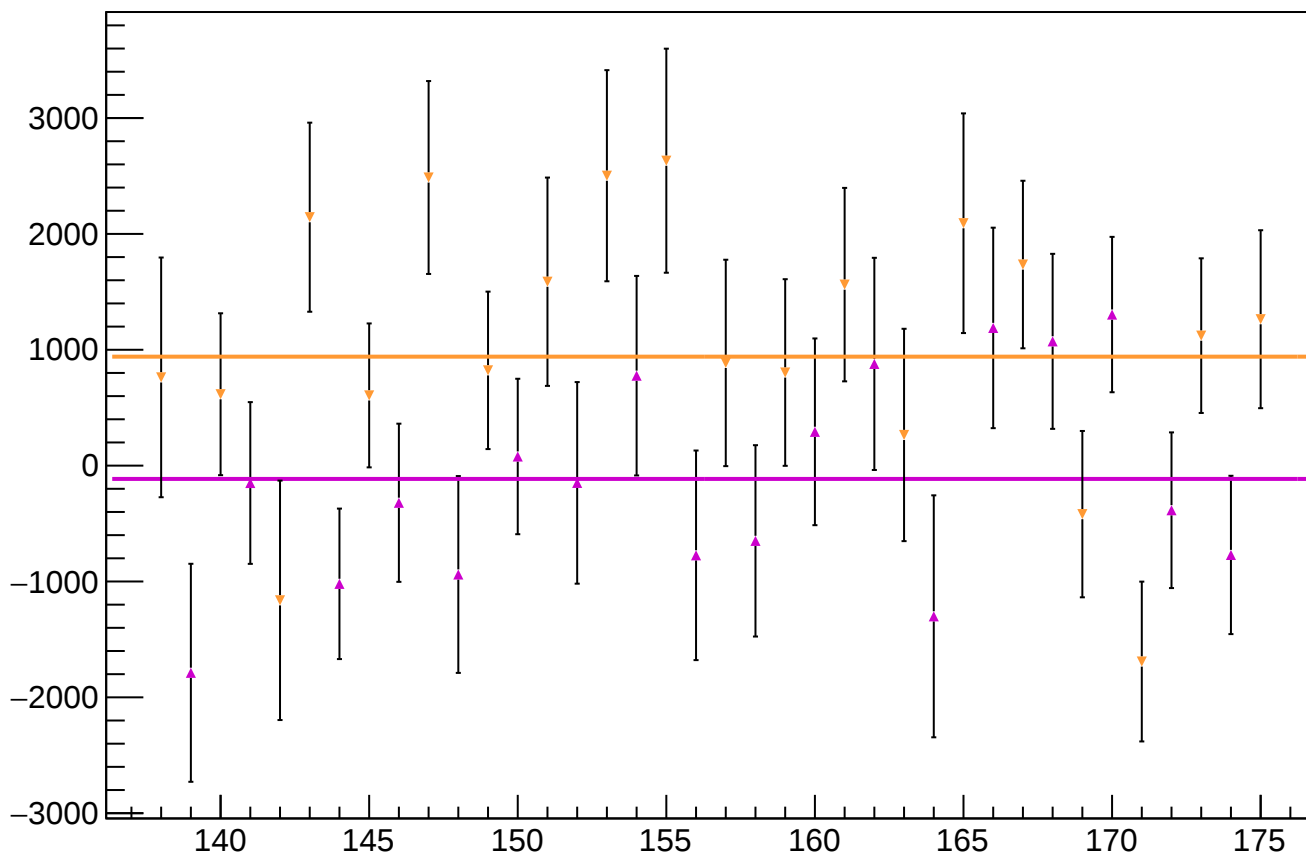
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 680.218+/-0.129 χ^2/NDF :393257.8/17

Out: 683.523+/-0.126 χ^2/NDF :545581.4/19

All: 681.909+/-0.090 χ^2/NDF : 939176.1/37

asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 940.568+/-177.984 χ^2/NDF :39.1/19

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

Left In: -114.787+/-182.622 χ^2/NDF :21.3/17

Left: 426.463+/-127.462 χ^2/NDF : 77.5/37

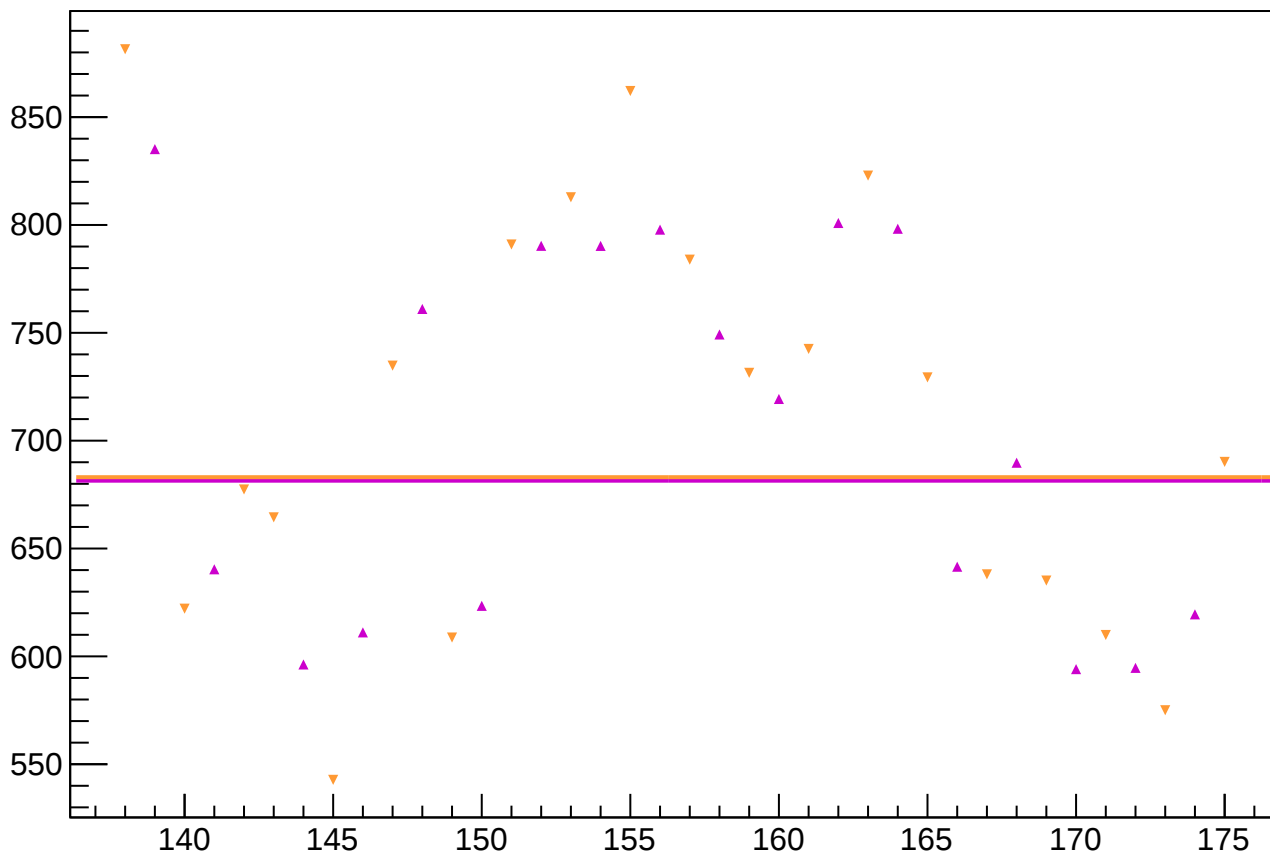
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -114.787+/-182.622 χ^2/NDF :21.3/17

Out: 940.568+/-177.984 χ^2/NDF :39.1/19

All: 426.463+/-127.462 χ^2/NDF : 77.5/37

asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 683.065+/-0.126 χ^2/NDF : 547591.5/19

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

Left In: 681.454+/-0.129 χ^2/NDF : 410105.8/17

Left: 682.280+/-0.090 χ^2/NDF : 957777.1/37

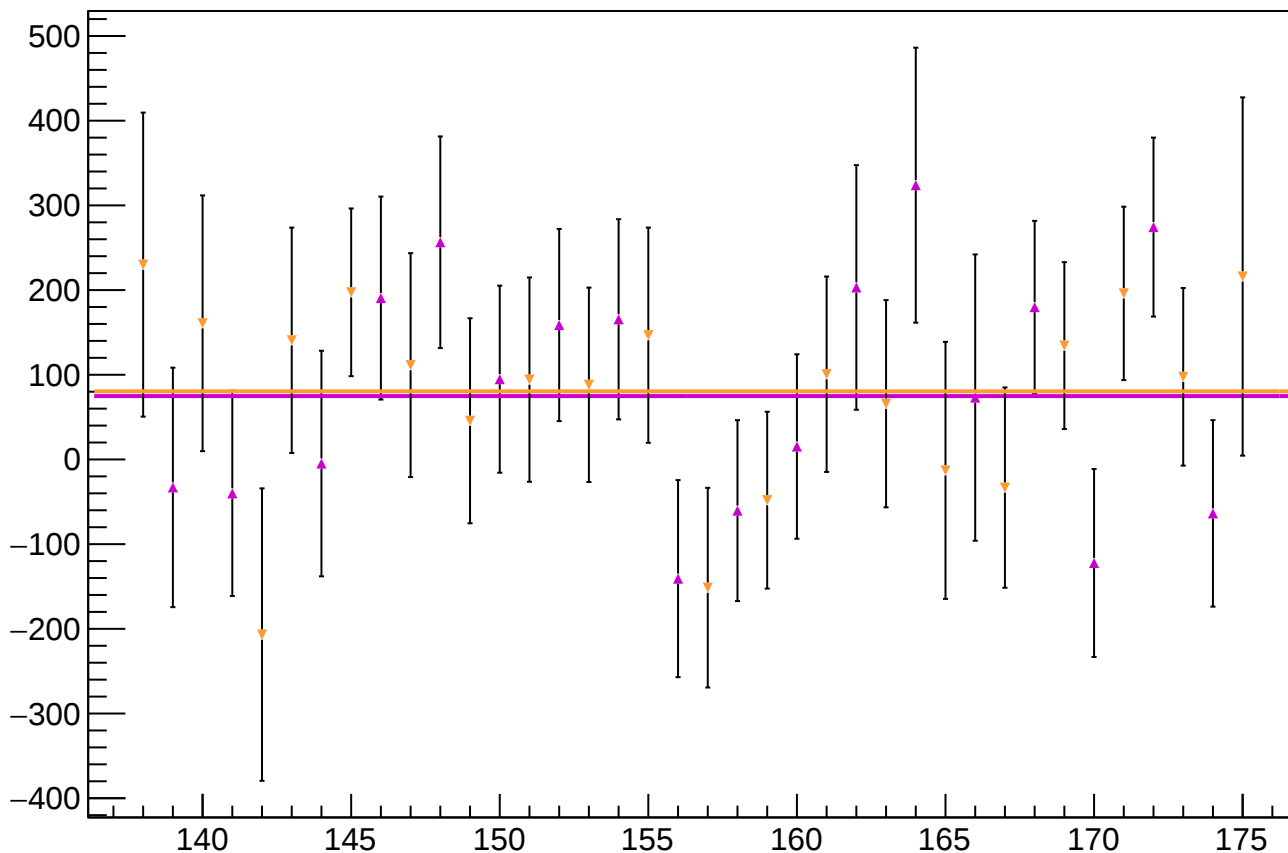
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 681.454+/-0.129 χ^2/NDF : 410105.8/17

Out: 683.065+/-0.126 χ^2/NDF : 547591.5/19

All: 682.280+/-0.090 χ^2/NDF : 957777.1/37

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: 80.426 $\pm$ 27.407 χ^2 /NDF:14.5/19

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

Left In: 74.808 $\pm$ 28.219 χ^2 /NDF:23.9/17

Left: 77.699 $\pm$ 19.661 χ^2 /NDF: 38.4/37

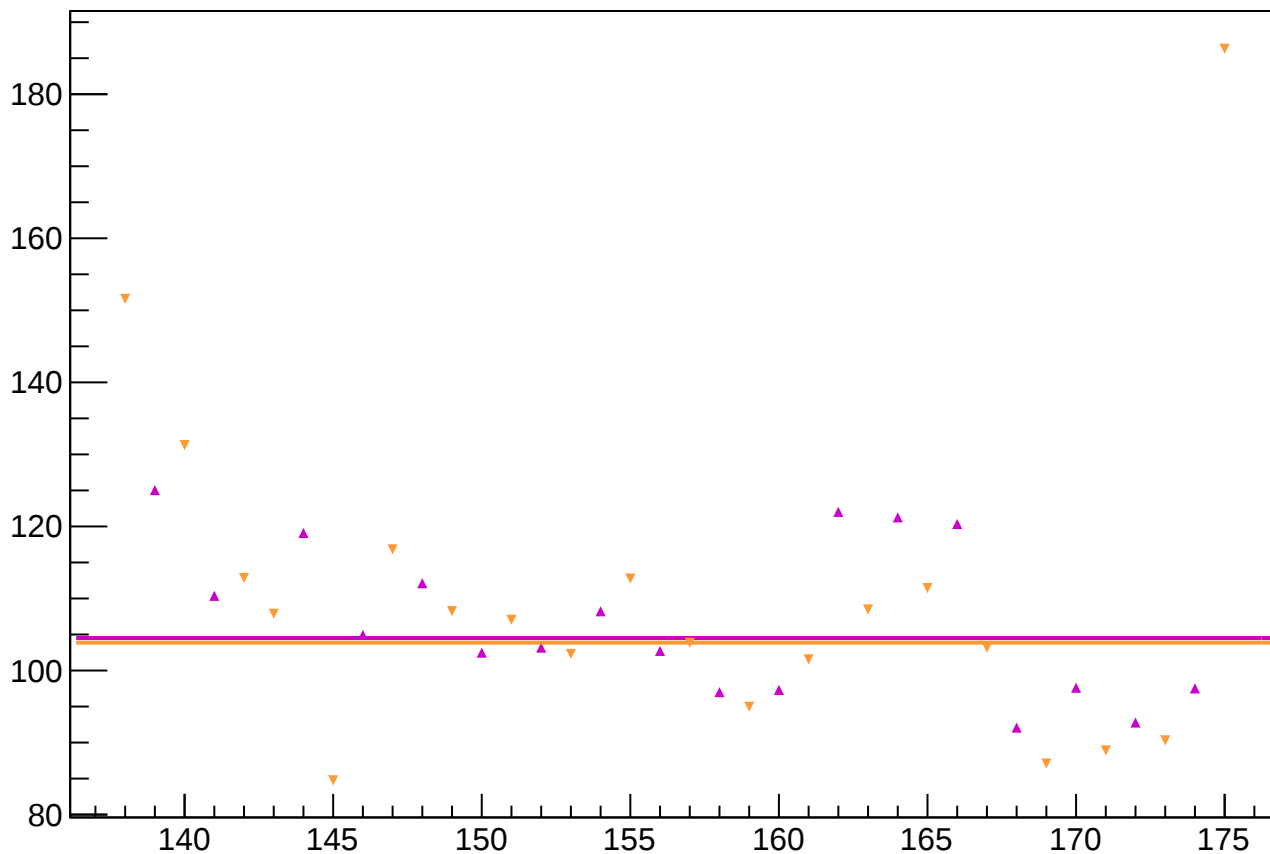
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 74.808 $\pm$ 28.219 χ^2 /NDF:23.9/17

Out: 80.426 $\pm$ 27.407 χ^2 /NDF:14.5/19

All: 77.699 $\pm$ 19.661 χ^2 /NDF: 38.4/37

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 103.870+/-0.019 χ^2/NDF : 783533.3/19

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

Left In: 104.516+/-0.020 χ^2/NDF : 238834.3/17

Left: 104.184+/-0.014 χ^2/NDF : 1022906.8/37

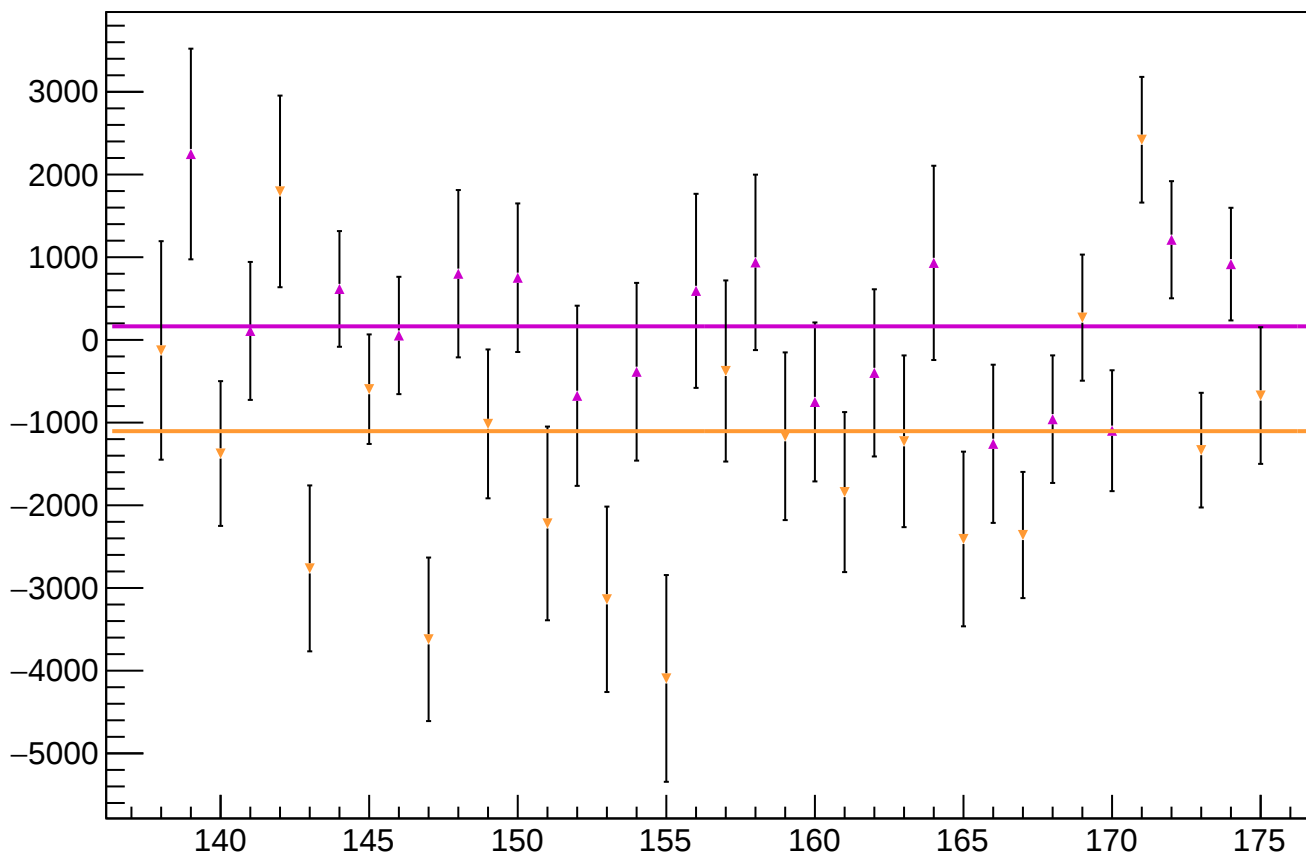
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 104.516+/-0.020 χ^2/NDF : 238834.3/17

Out: 103.870+/-0.019 χ^2/NDF : 783533.3/19

All: 104.184+/-0.014 χ^2/NDF : 1022906.8/37

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1103.551+/-205.292 χ^2/NDF :57.0/19

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

Left In: 164.106+/-207.601 χ^2/NDF :17.8/17

Left: -476.814+/-145.973 χ^2/NDF : 93.7/37

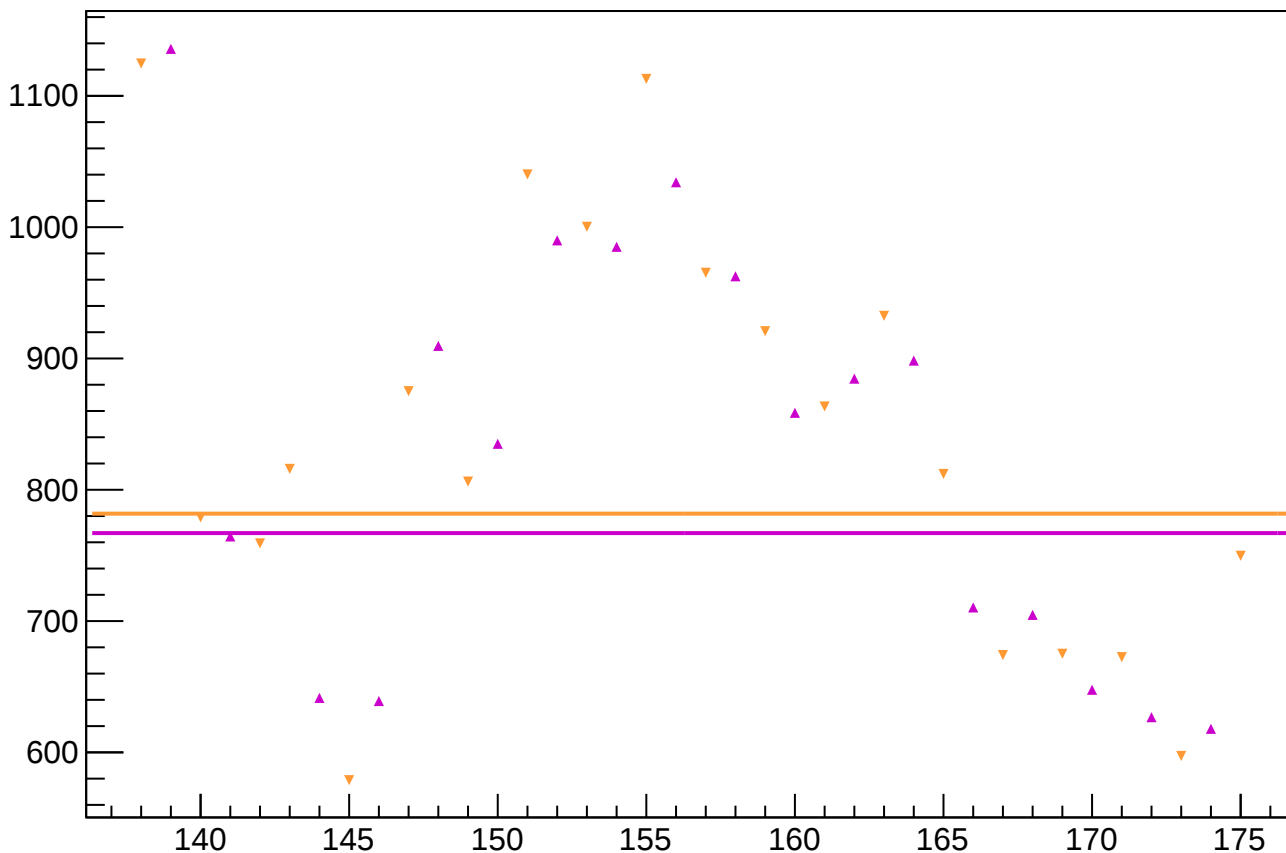
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 164.106+/-207.601 χ^2/NDF :17.8/17

Out: -1103.551+/-205.292 χ^2/NDF :57.0/19

All: -476.814+/-145.973 χ^2/NDF : 93.7/37

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 781.820+/-0.145 χ^2/NDF :1075150.4/19

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

Left In: 767.008+/-0.147 χ^2/NDF :1003890.6/17

Left: 774.497+/-0.103 χ^2/NDF : 2084188.9/37

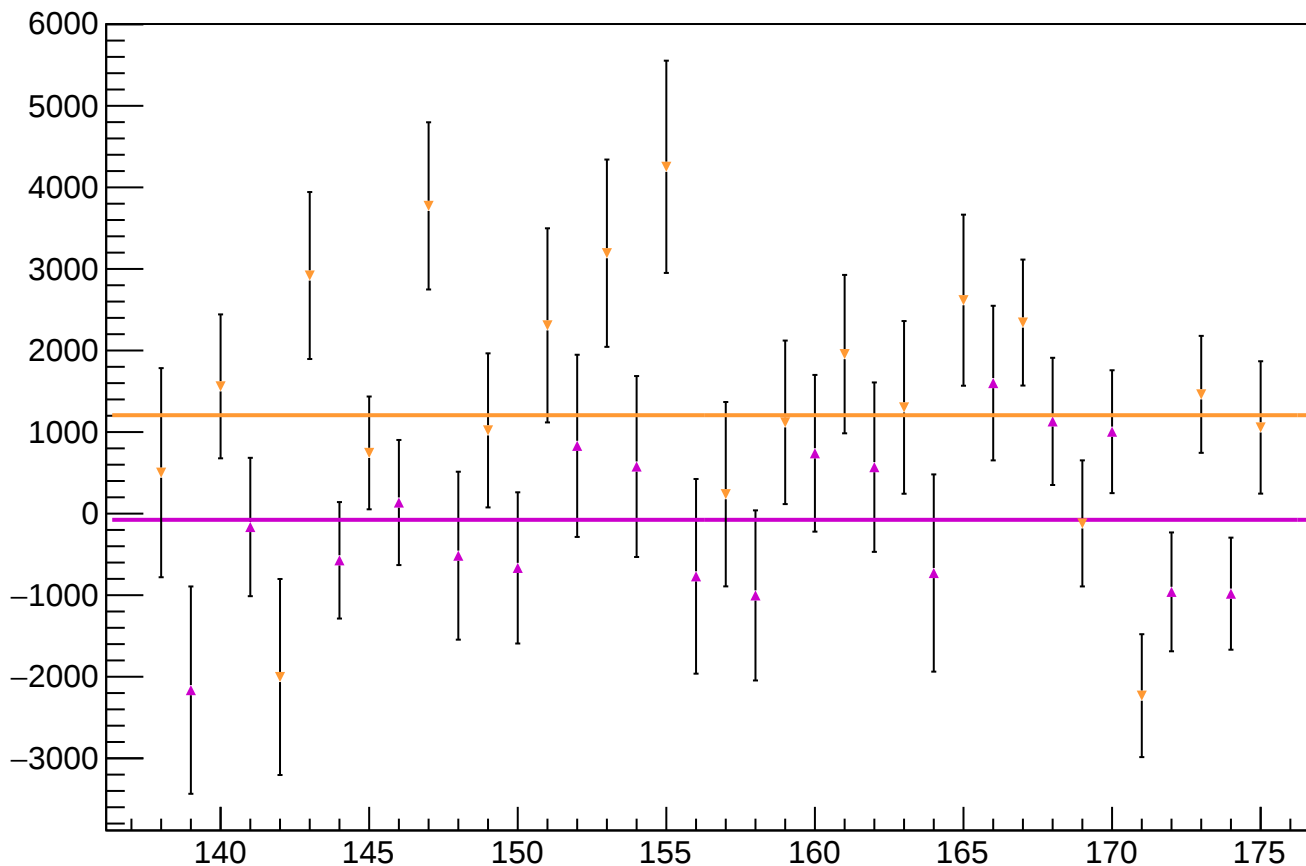
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 767.008+/-0.147 χ^2/NDF :1003890.6/17

Out: 781.820+/-0.145 χ^2/NDF :1075150.4/19

All: 774.497+/-0.103 χ^2/NDF : 2084188.9/37

asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 1206.702+/-208.638 χ^2/NDF :55.7/19

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

Left In: -75.953+/-212.096 χ^2/NDF :18.2/17

Left: 575.917+/-148.737 χ^2/NDF : 92.5/37

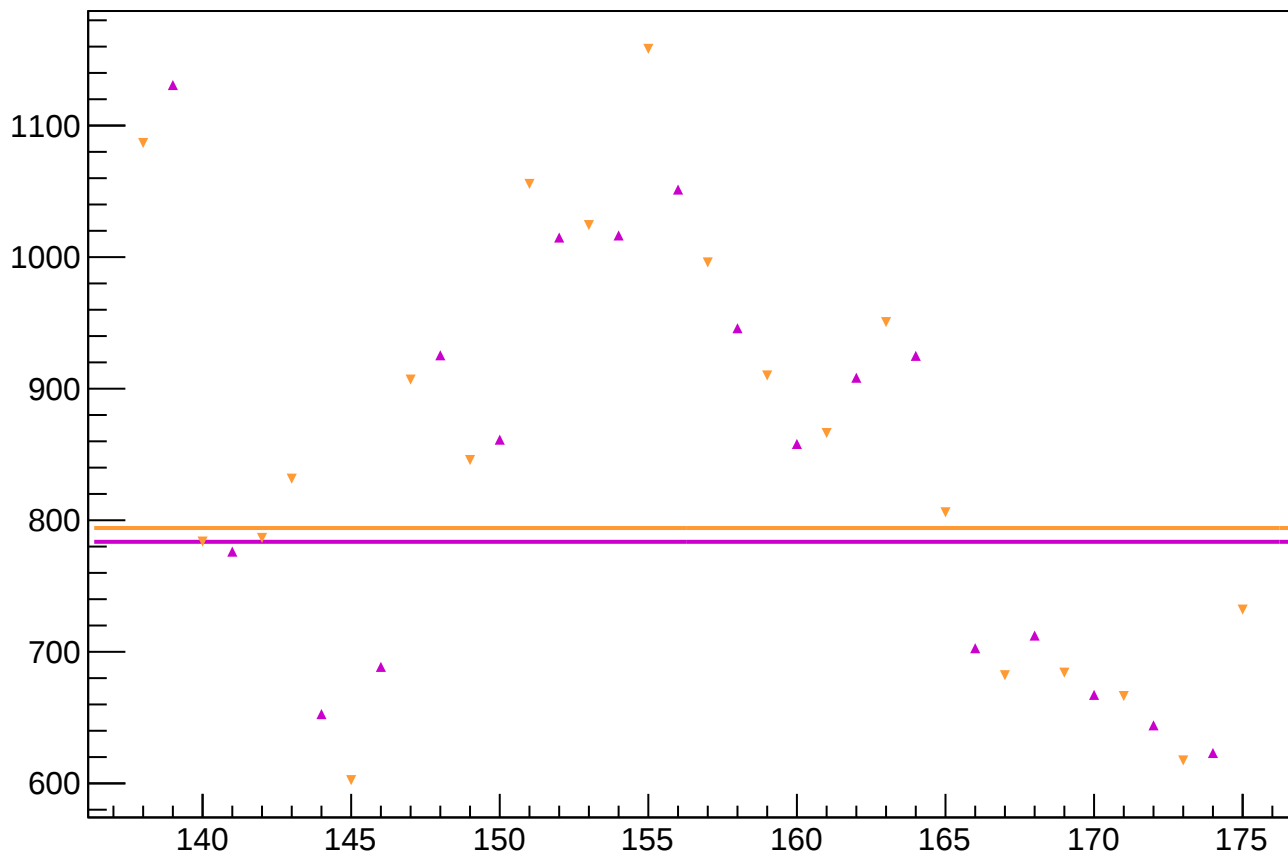
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -75.953+/-212.096 χ^2/NDF :18.2/17

Out: 1206.702+/-208.638 χ^2/NDF :55.7/19

All: 575.917+/-148.737 χ^2/NDF : 92.5/37

asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 794.108+/-0.148 χ^2/NDF :1043197.7/19

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

Left In: 783.618+/-0.150 χ^2/NDF :951896.4/17

Left: 788.949+/-0.105 χ^2/NDF : 1997580.7/37

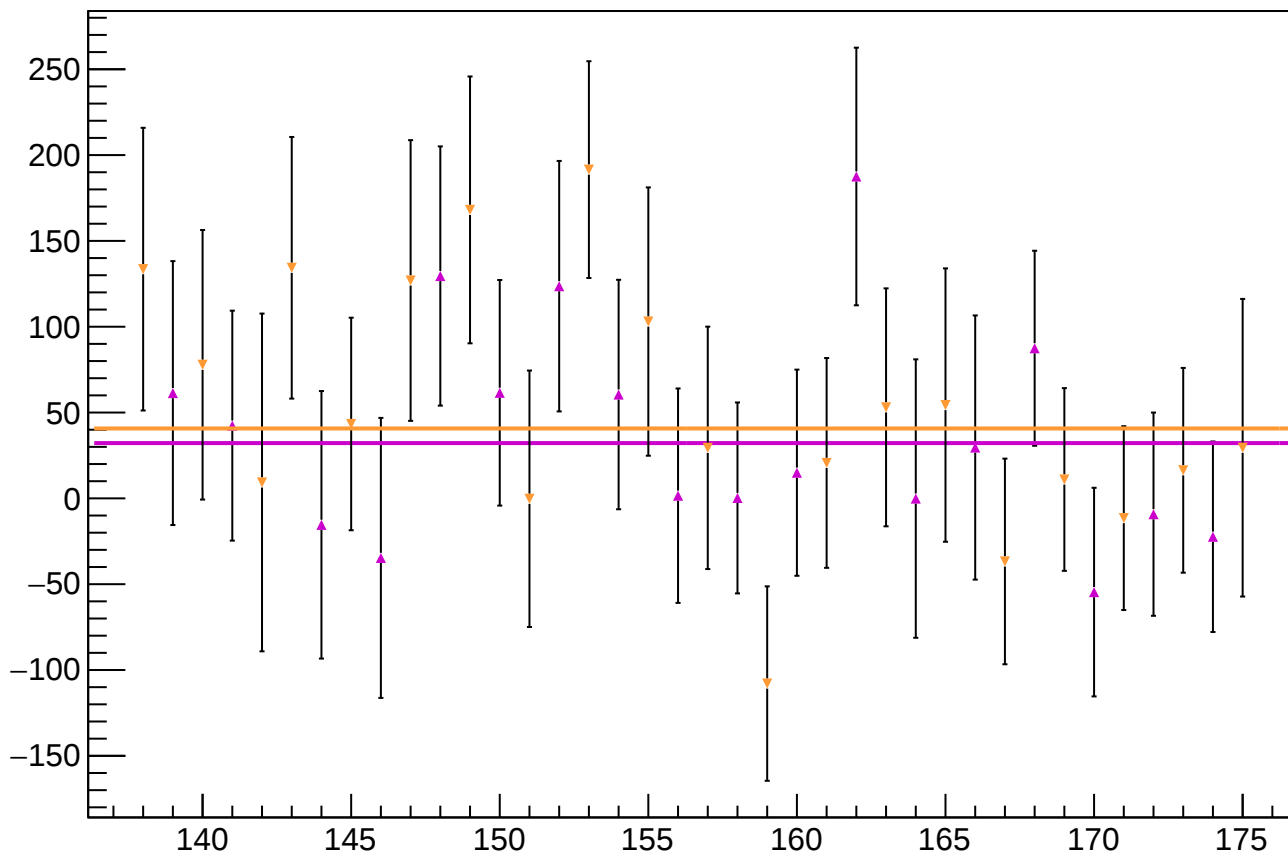
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 783.618+/-0.150 χ^2/NDF :951896.4/17

Out: 794.108+/-0.148 χ^2/NDF :1043197.7/19

All: 788.949+/-0.105 χ^2/NDF : 1997580.7/37

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: 40.727 $\pm$ 15.259 χ^2 /NDF:23.7/19

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

Left In: 32.207 $\pm$ 15.672 χ^2 /NDF:14.4/17

Left: 36.580 $\pm$ 10.933 χ^2 /NDF: 38.3/37

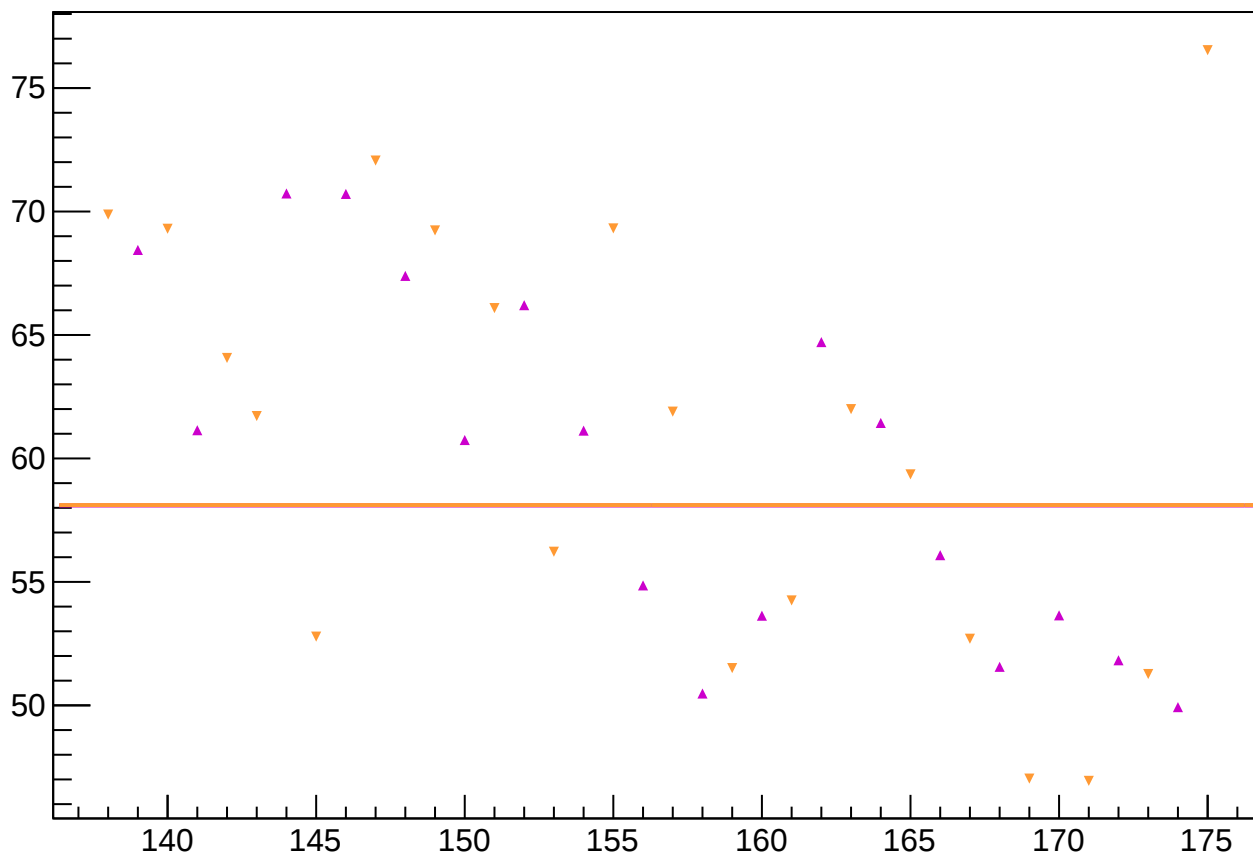
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 32.207 $\pm$ 15.672 χ^2 /NDF:14.4/17

Out: 40.727 $\pm$ 15.259 χ^2 /NDF:23.7/19

All: 36.580 $\pm$ 10.933 χ^2 /NDF: 38.3/37

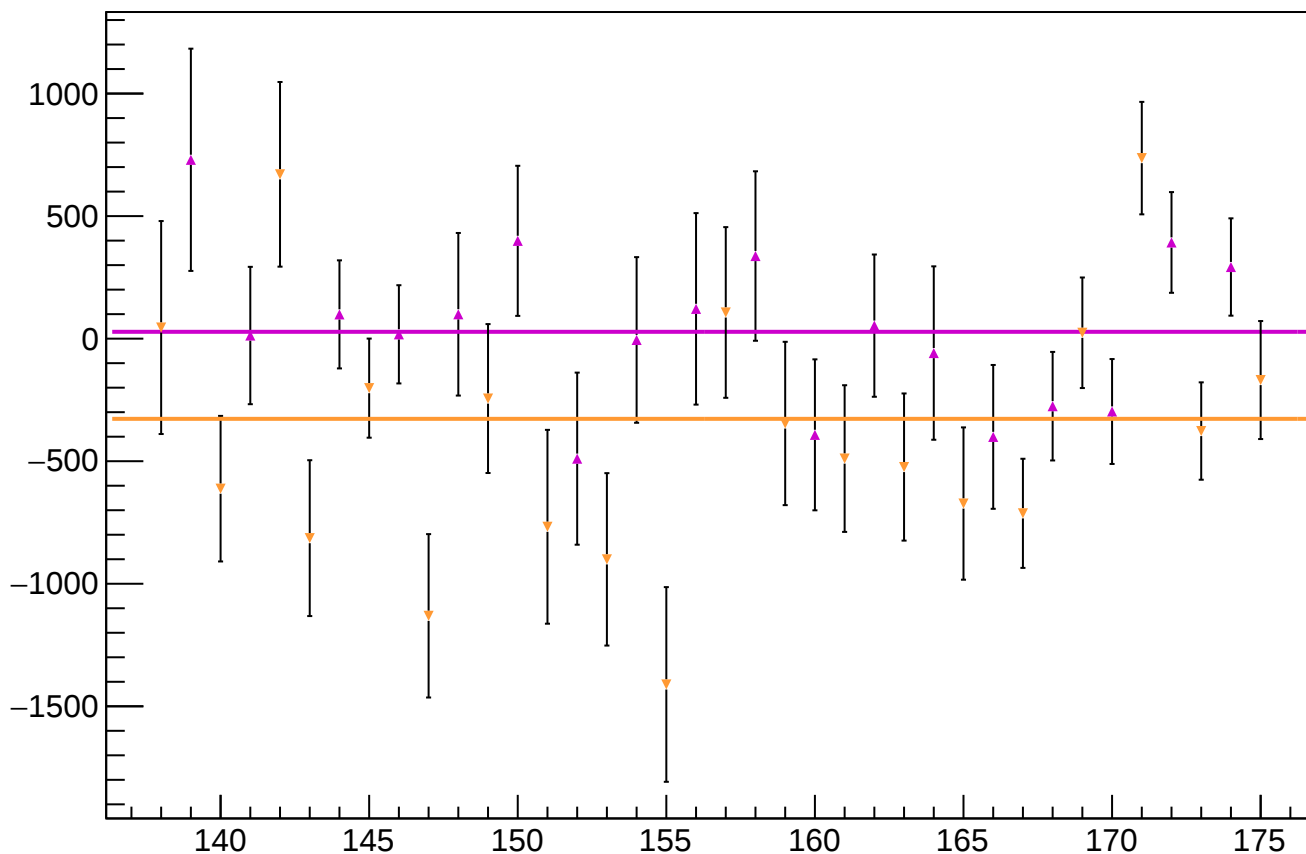
dit_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 58.112+/-0.011 χ^2/NDF : 627199.7/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 58.095+/-0.011 χ^2/NDF : 380391.6/17

Left: 58.104+/-0.008 χ^2/NDF : 1007592.5/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 58.095+/-0.011 χ^2/NDF : 380391.6/17
 Out: 58.112+/-0.011 χ^2/NDF : 627199.7/19
 All: 58.104+/-0.008 χ^2/NDF : 1007592.5/37

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -327.145+/-63.246 χ^2/NDF :59.6/19

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

Left In: 27.943+/-63.512 χ^2/NDF :20.2/17

Left: -150.346+/-44.815 χ^2/NDF : 95.5/37

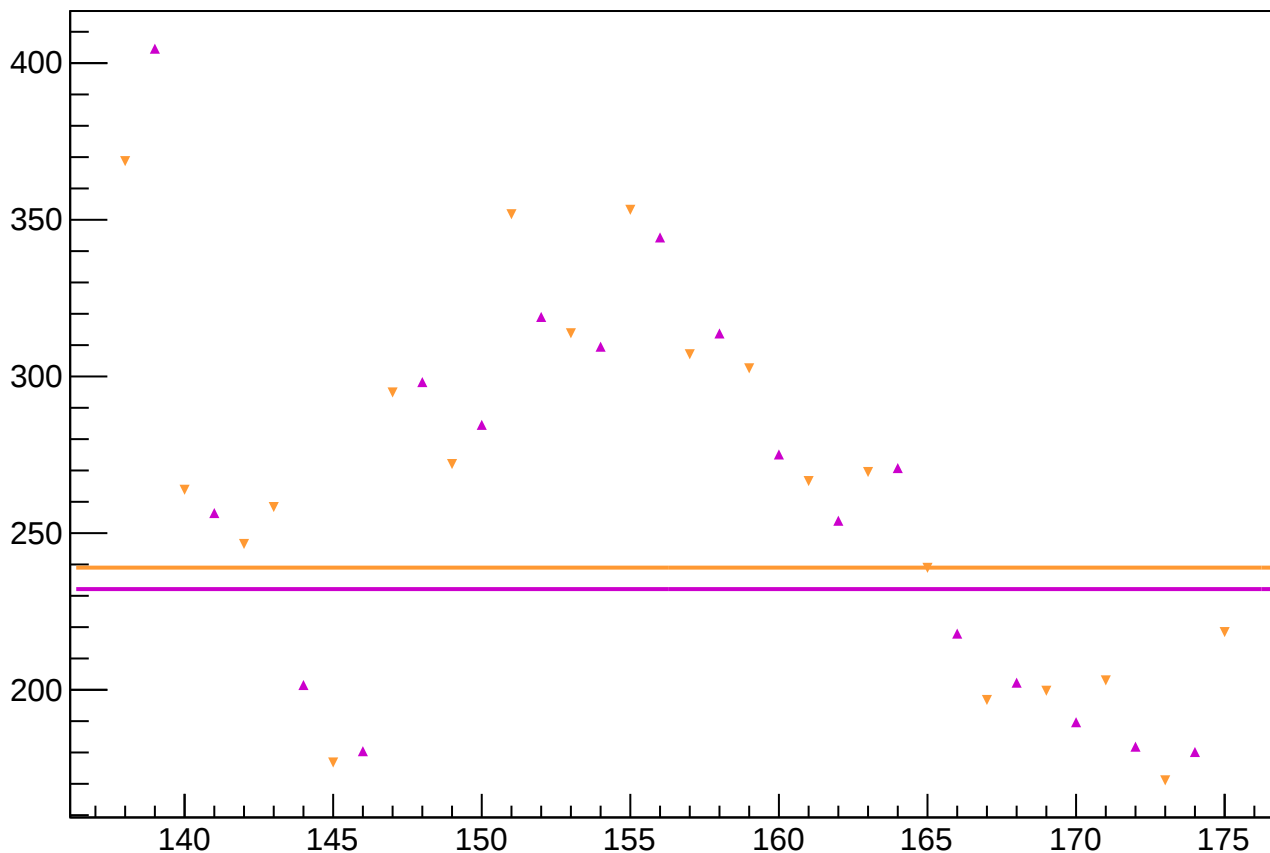
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 27.943+/-63.512 χ^2/NDF :20.2/17

Out: -327.145+/-63.246 χ^2/NDF :59.6/19

All: -150.346+/-44.815 χ^2/NDF : 95.5/37

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 238.995+/-0.045 χ^2/NDF :1505241.3/19

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

Left In: 232.142+/-0.045 χ^2/NDF :1568675.7/17

Left: 235.583+/-0.032 χ^2/NDF : 3085607.4/37

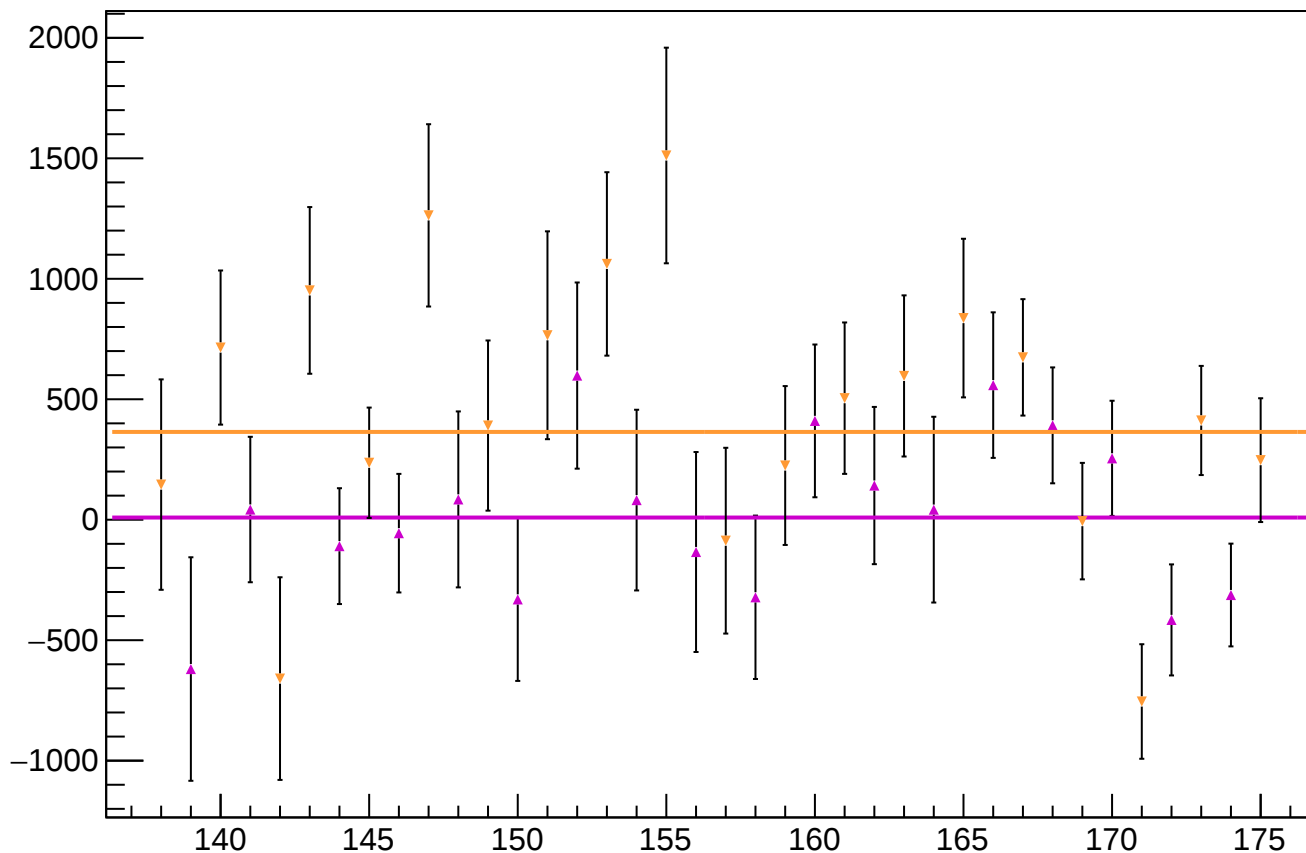
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 232.142+/-0.045 χ^2/NDF :1568675.7/17

Out: 238.995+/-0.045 χ^2/NDF :1505241.3/19

All: 235.583+/-0.032 χ^2/NDF : 3085607.4/37

asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 364.442+/-68.817 χ^2/NDF :57.7/19

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

Left In: 9.074+/-69.565 χ^2/NDF :21.0/17

Left: 188.679+/-48.923 χ^2/NDF : 91.9/37

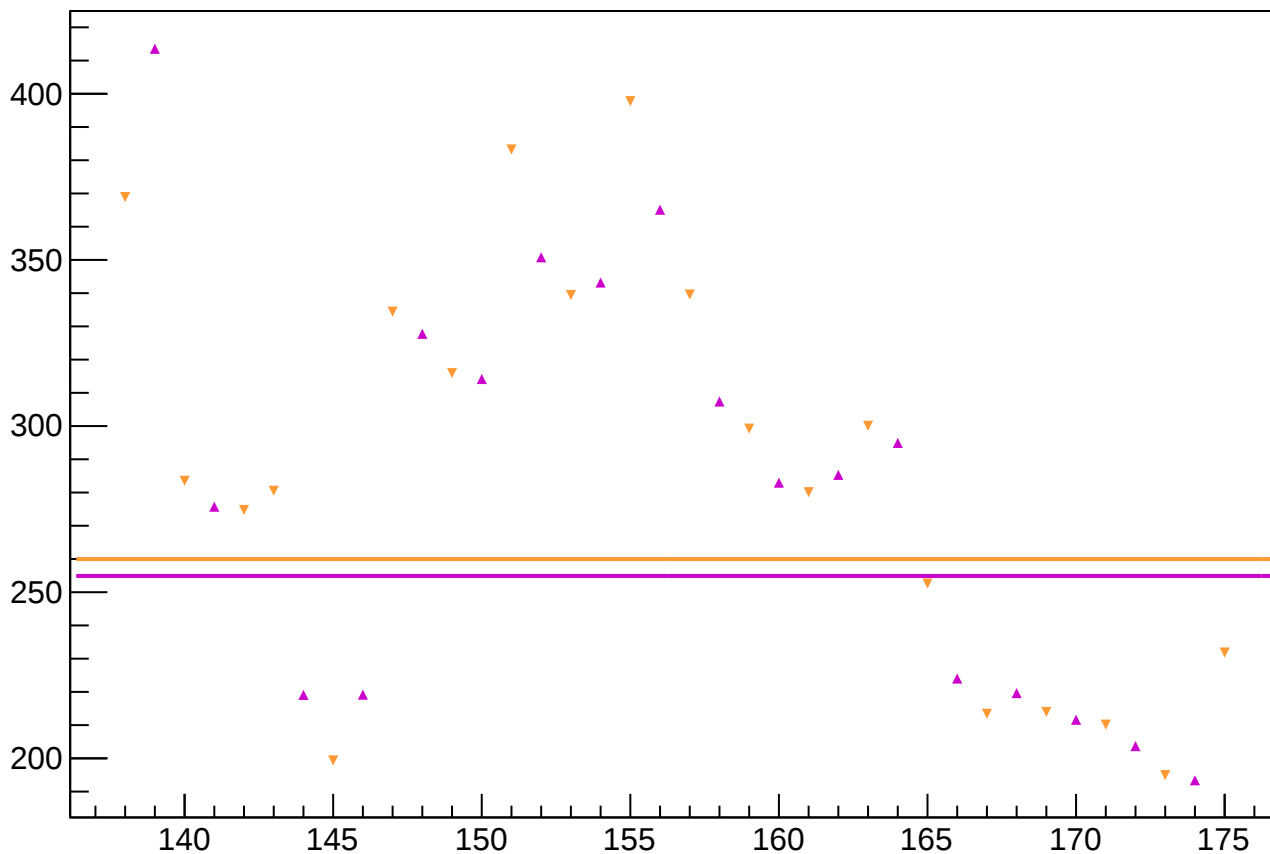
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 9.074+/-69.565 χ^2/NDF :21.0/17

Out: 364.442+/-68.817 χ^2/NDF :57.7/19

All: 188.679+/-48.923 χ^2/NDF : 91.9/37

asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 259.979+/-0.049 χ^2/NDF :1427592.4/19

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

Left In: 254.895+/-0.049 χ^2/NDF :1343363.2/17

Left: 257.464+/-0.035 χ^2/NDF : 2776353.3/37

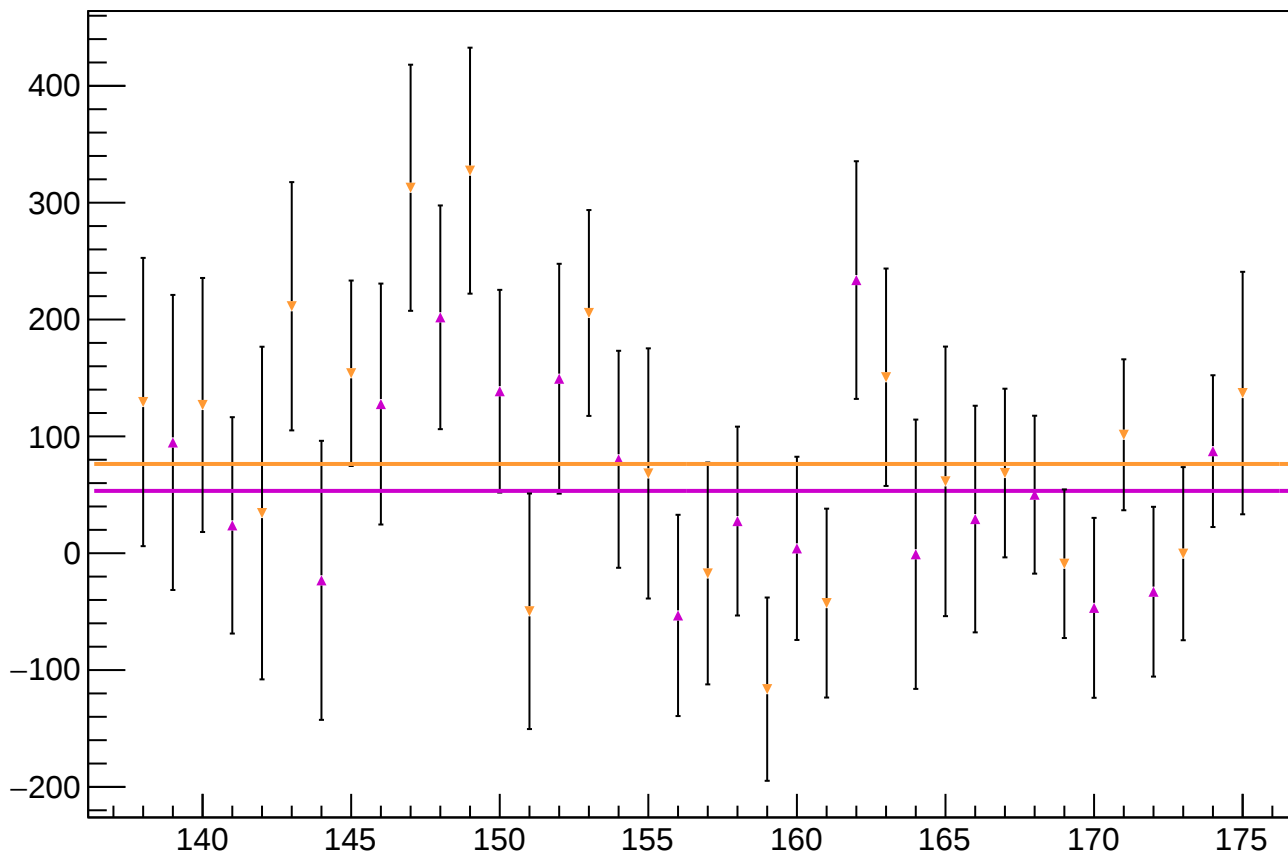
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 254.895+/-0.049 χ^2/NDF :1343363.2/17

Out: 259.979+/-0.049 χ^2/NDF :1427592.4/19

All: 257.464+/-0.035 χ^2/NDF : 2776353.3/37

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: 76.394 $\pm$ 19.947 χ^2 /NDF:30.7/19

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

Left In: 53.342 $\pm$ 20.637 χ^2 /NDF:14.4/17

Left: 65.260 $\pm$ 14.343 χ^2 /NDF: 45.8/37

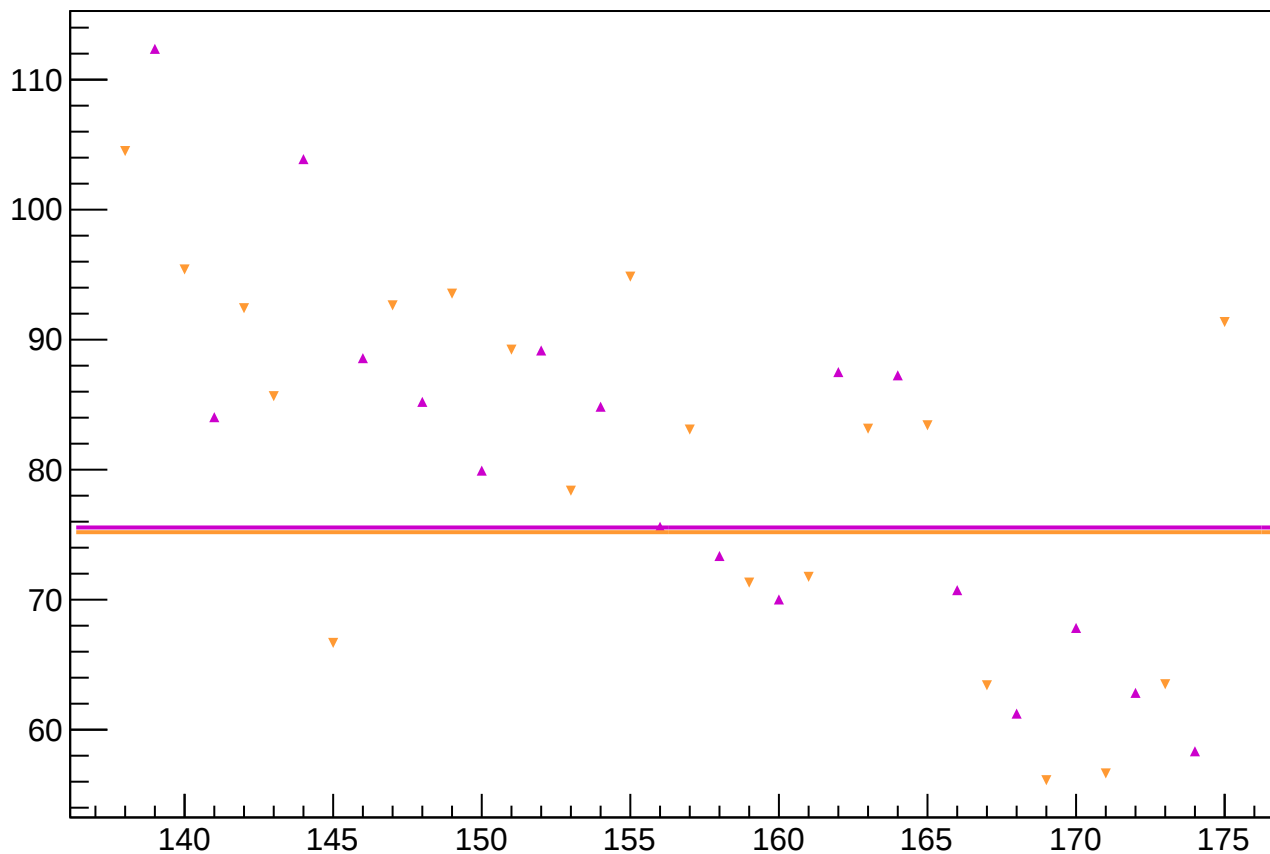
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 53.342 $\pm$ 20.637 χ^2 /NDF:14.4/17

Out: 76.394 $\pm$ 19.947 χ^2 /NDF:30.7/19

All: 65.260 $\pm$ 14.343 χ^2 /NDF: 45.8/37

dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 75.191 $\pm$ 0.014 χ^2 /NDF:1022071.4/19

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

Left In: 75.554 $\pm$ 0.015 χ^2 /NDF:791504.6/17

Left: 75.367 $\pm$ 0.010 χ^2 /NDF: 1813895.9/37

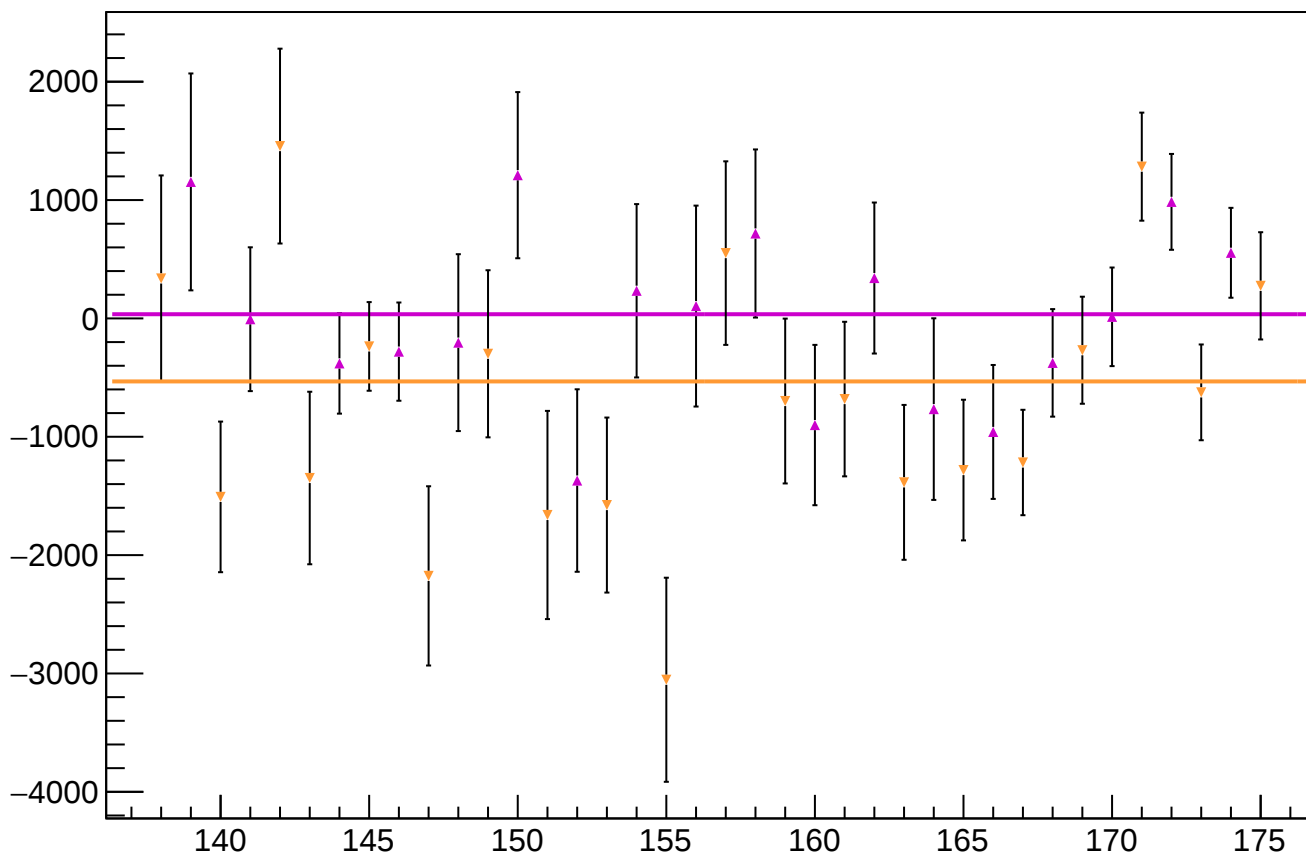
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 75.554 $\pm$ 0.015 χ^2 /NDF:791504.6/17

Out: 75.191 $\pm$ 0.014 χ^2 /NDF:1022071.4/19

All: 75.367 $\pm$ 0.010 χ^2 /NDF: 1813895.9/37

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -532.410+/-129.702 χ^2/NDF :55.2/19

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

Left In: 35.374+/-130.092 χ^2/NDF :24.8/17

Left: -249.369+/-91.851 χ^2/NDF : 89.5/37

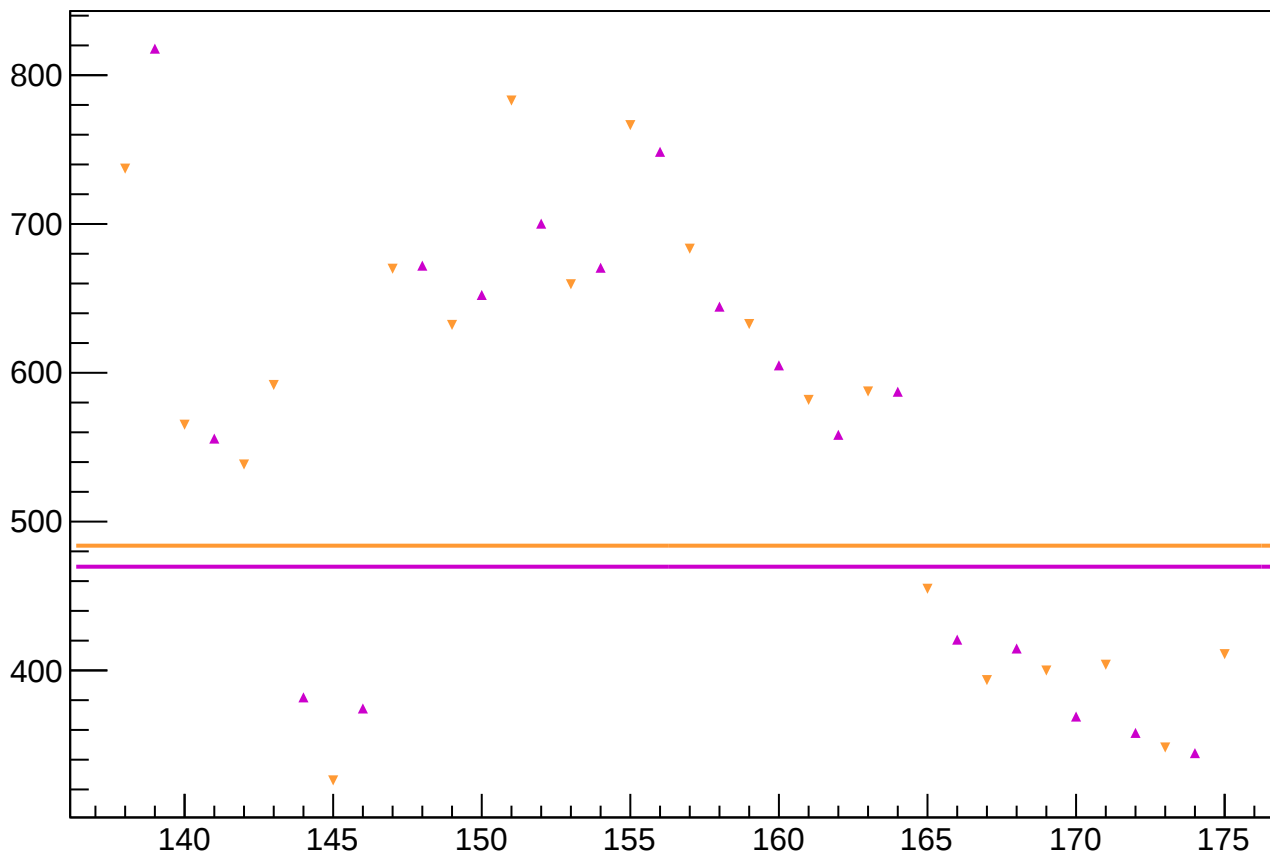
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 35.374+/-130.092 χ^2/NDF :24.8/17

Out: -532.410+/-129.702 χ^2/NDF :55.2/19

All: -249.369+/-91.851 χ^2/NDF : 89.5/37

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 483.822+/-0.092 χ^2/NDF :2190798.0/19

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

Left In: 469.694+/-0.092 χ^2/NDF :2164306.5/17

Left: 476.779+/-0.065 χ^2/NDF : 4366934.7/37

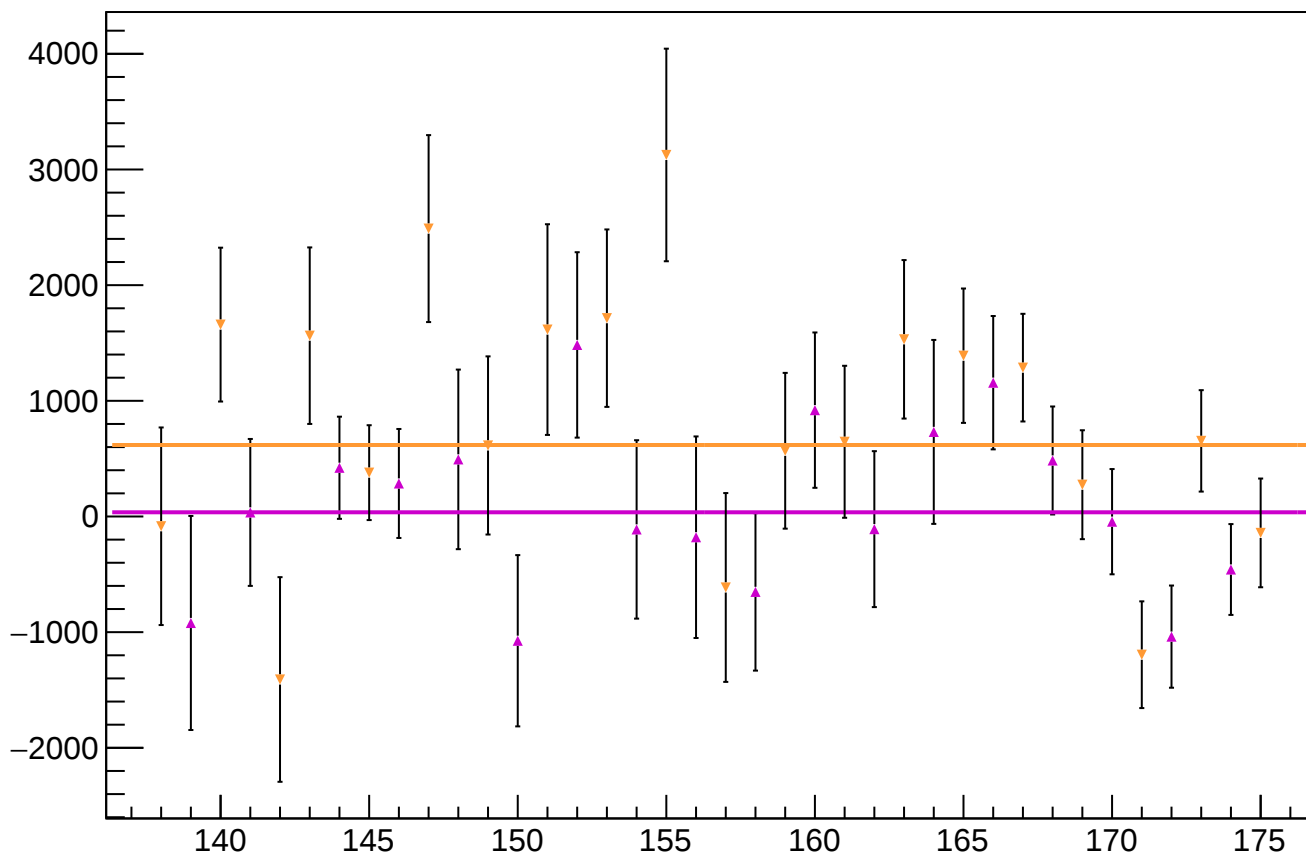
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 469.694+/-0.092 χ^2/NDF :2164306.5/17

Out: 483.822+/-0.092 χ^2/NDF :2190798.0/19

All: 476.779+/-0.065 χ^2/NDF : 4366934.7/37

asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 618.085+/-135.387 χ^2/NDF :52.8/19

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

Left In: 36.327+/-136.697 χ^2/NDF :23.9/17

Left: 330.007+/-96.193 χ^2/NDF : 85.8/37

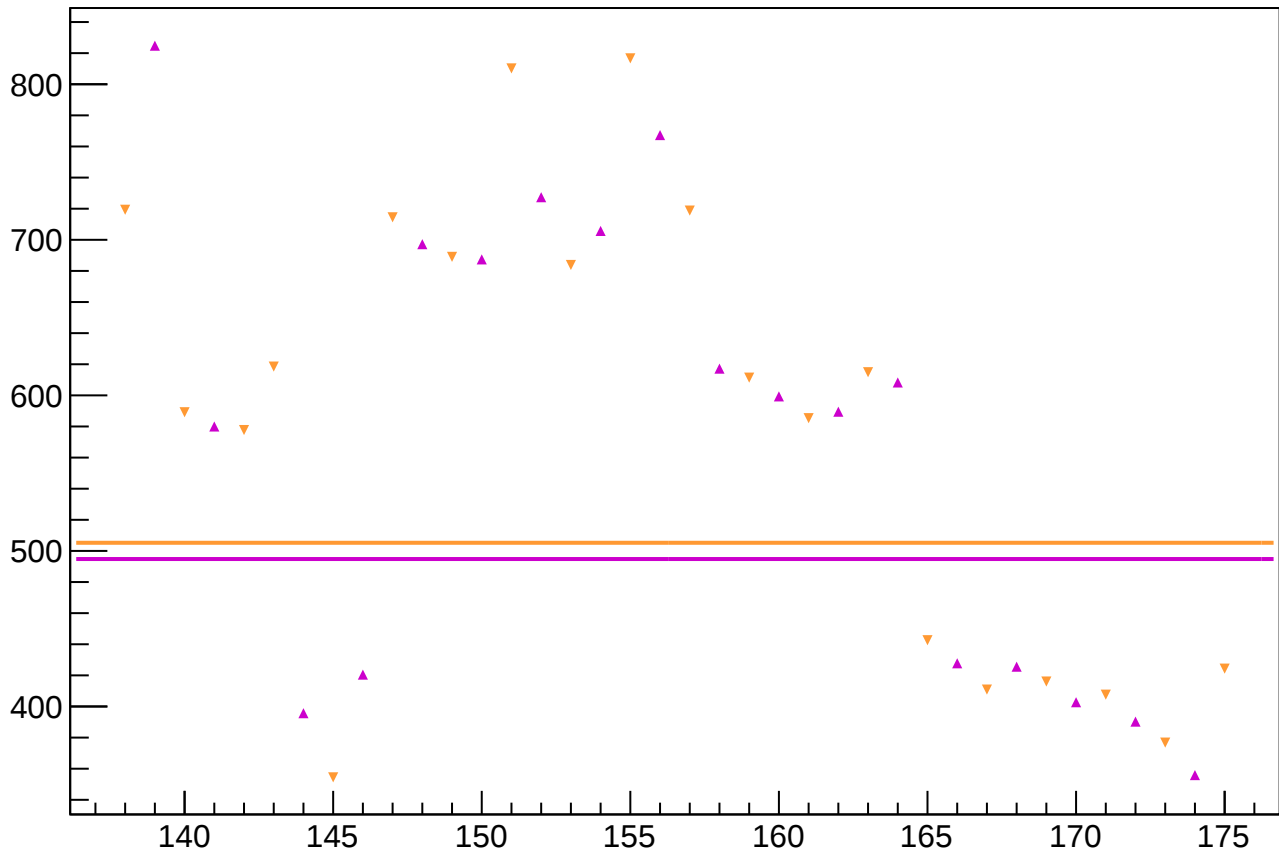
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 36.327+/-136.697 χ^2/NDF :23.9/17

Out: 618.085+/-135.387 χ^2/NDF :52.8/19

All: 330.007+/-96.193 χ^2/NDF : 85.8/37

asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 505.240+/-0.096 χ^2/NDF :2061174.1/19

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

Left In: 494.793+/-0.097 χ^2/NDF :1934397.0/17

Left: 500.067+/-0.068 χ^2/NDF : 4001467.7/37

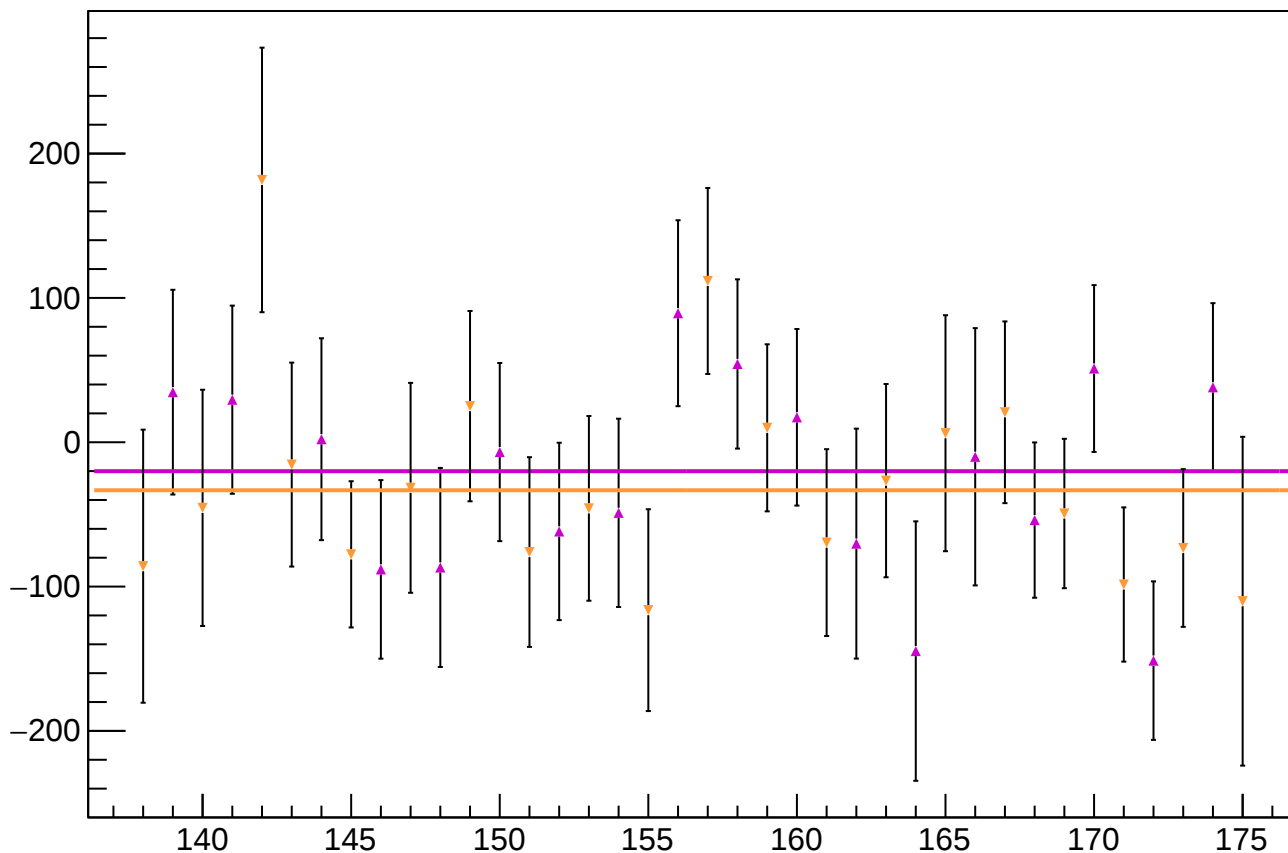
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 494.793+/-0.097 χ^2/NDF :1934397.0/17

Out: 505.240+/-0.096 χ^2/NDF :2061174.1/19

All: 500.067+/-0.068 χ^2/NDF : 4001467.7/37

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: -33.278+/-14.731 χ^2/NDF :18.8/19

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

Left In: -20.055+/-15.162 χ^2/NDF :19.9/17

Left: -26.858+/-10.566 χ^2/NDF : 39.2/37

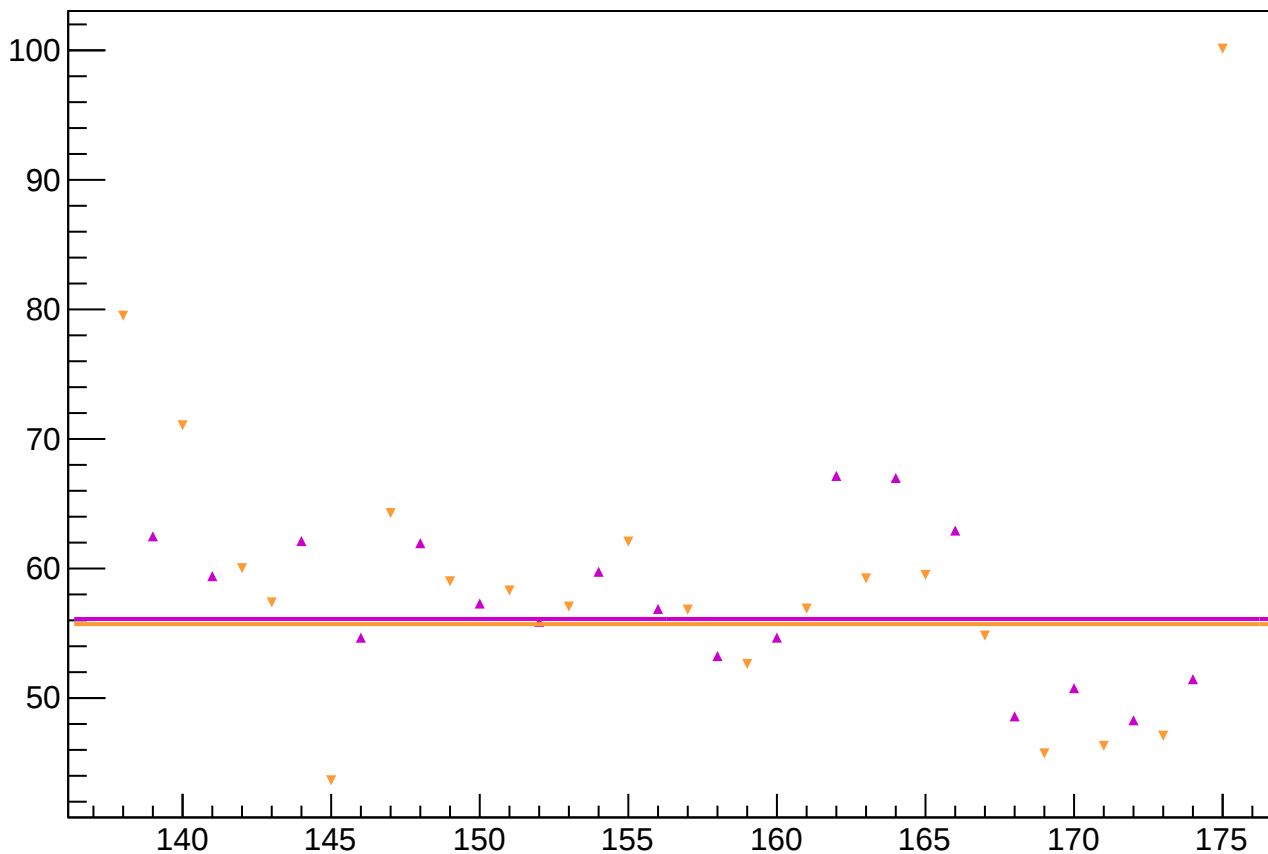
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -20.055+/-15.162 χ^2/NDF :19.9/17

Out: -33.278+/-14.731 χ^2/NDF :18.8/19

All: -26.858+/-10.566 χ^2/NDF : 39.2/37

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: 55.709+/-0.010 χ^2/NDF :876541.0/19

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

Left In: 56.106+/-0.011 χ^2/NDF :253669.7/17

Left: 55.902+/-0.007 χ^2/NDF : 1130916.9/37

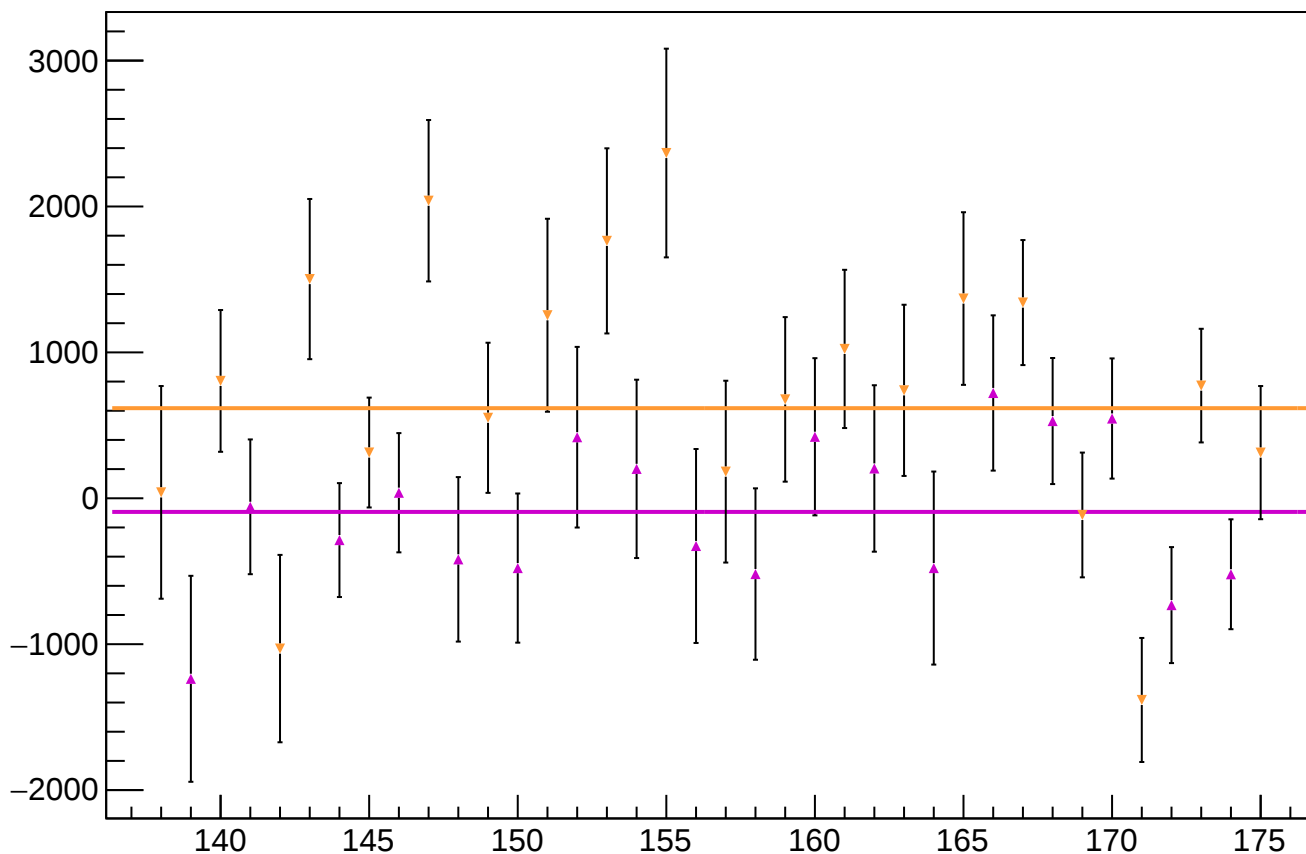
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 56.106+/-0.011 χ^2/NDF :253669.7/17

Out: 55.709+/-0.010 χ^2/NDF :876541.0/19

All: 55.902+/-0.007 χ^2/NDF : 1130916.9/37

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: 617.631+/-115.152 χ^2/NDF :58.6/19

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

Left In: -93.420+/-116.539 χ^2/NDF :17.7/17

Left: 266.362+/-81.911 χ^2/NDF : 95.2/37

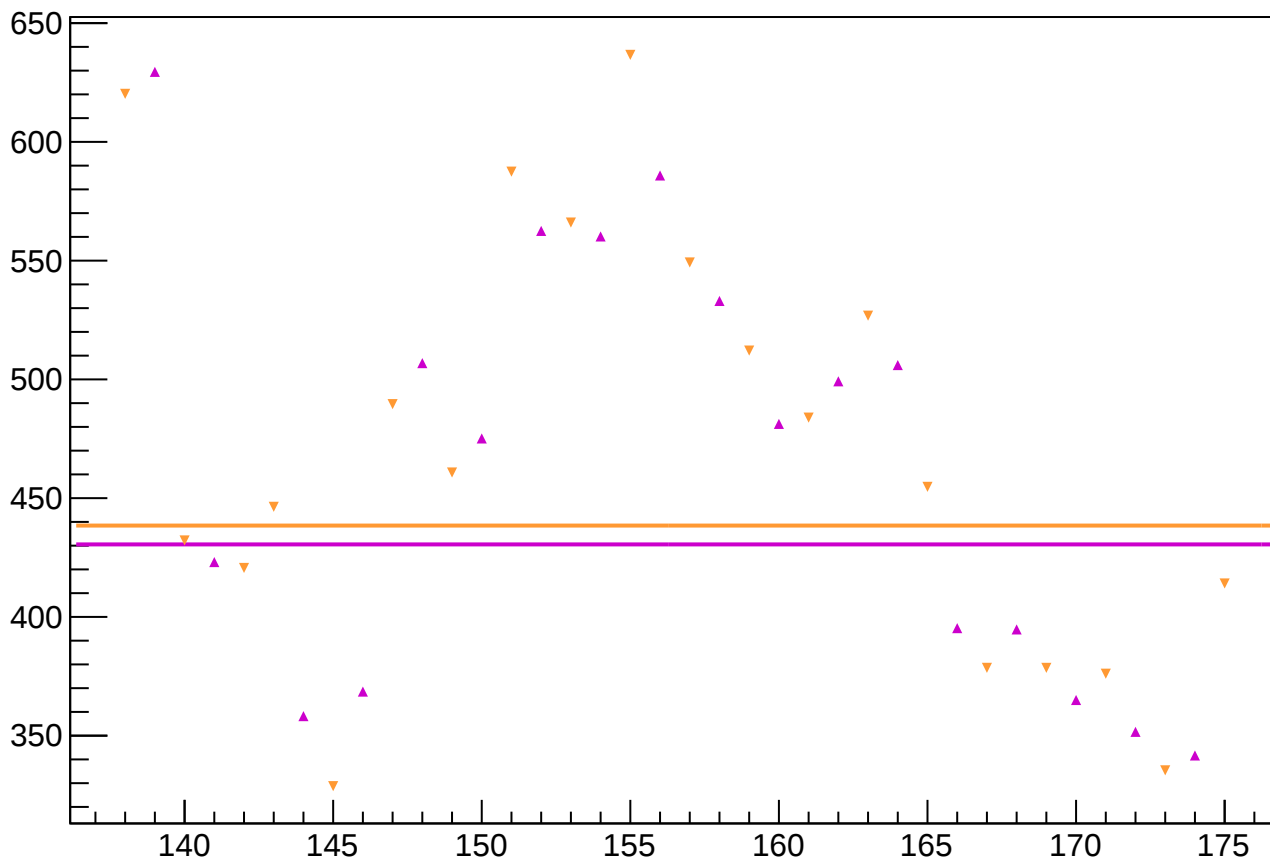
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -93.420+/-116.539 χ^2/NDF :17.7/17

Out: 617.631+/-115.152 χ^2/NDF :58.6/19

All: 266.362+/-81.911 χ^2/NDF : 95.2/37

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: 438.459+/-0.081 χ^2/NDF :1078758.4/19

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

Left In: 430.527+/-0.082 χ^2/NDF :1012950.5/17

Left: 434.541+/-0.058 χ^2/NDF : 2096397.3/37

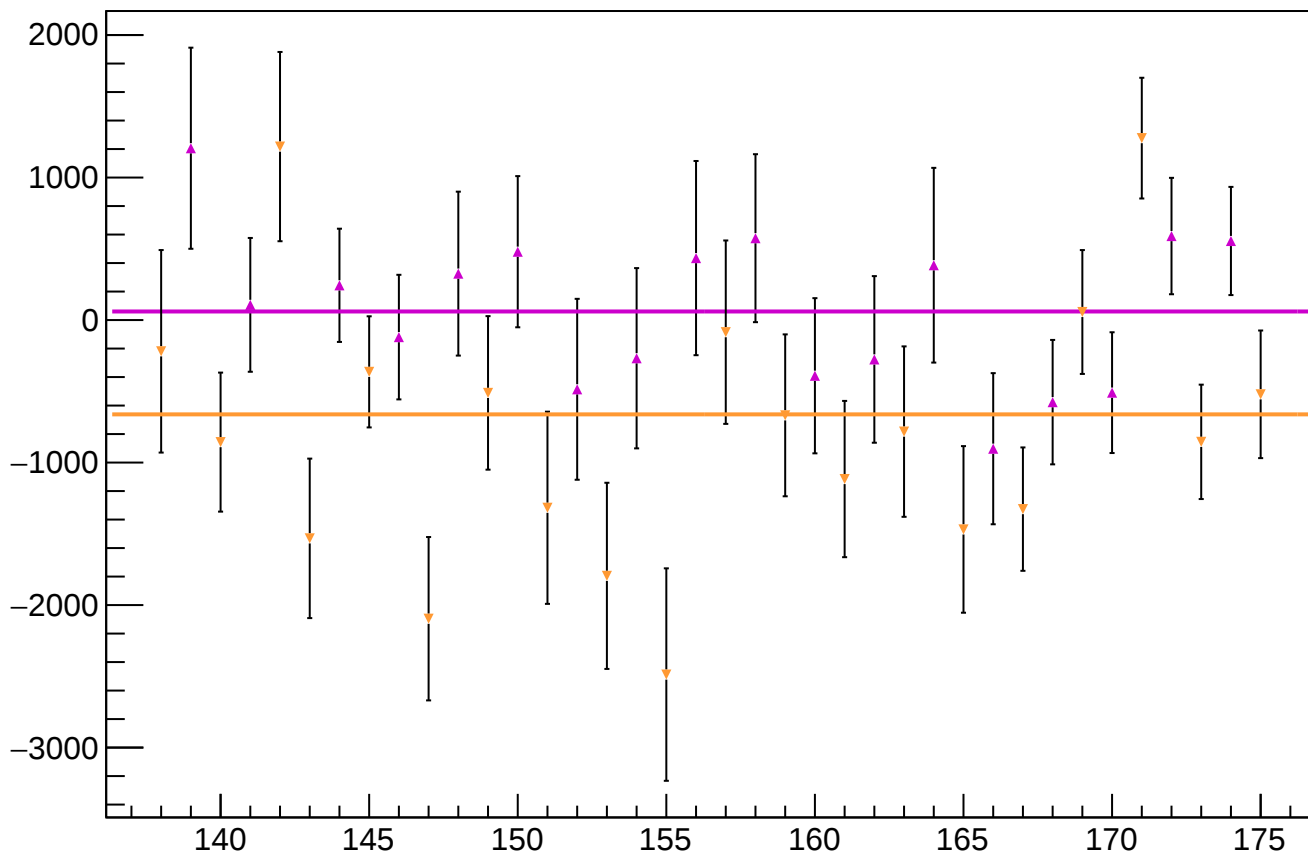
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 430.527+/-0.082 χ^2/NDF :1012950.5/17

Out: 438.459+/-0.081 χ^2/NDF :1078758.4/19

All: 434.541+/-0.058 χ^2/NDF : 2096397.3/37

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -661.820+/-117.027 χ^2/NDF :57.6/19

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

Left In: 60.206+/-119.137 χ^2/NDF :17.8/17

Left: -307.258+/-83.487 χ^2/NDF : 94.1/37

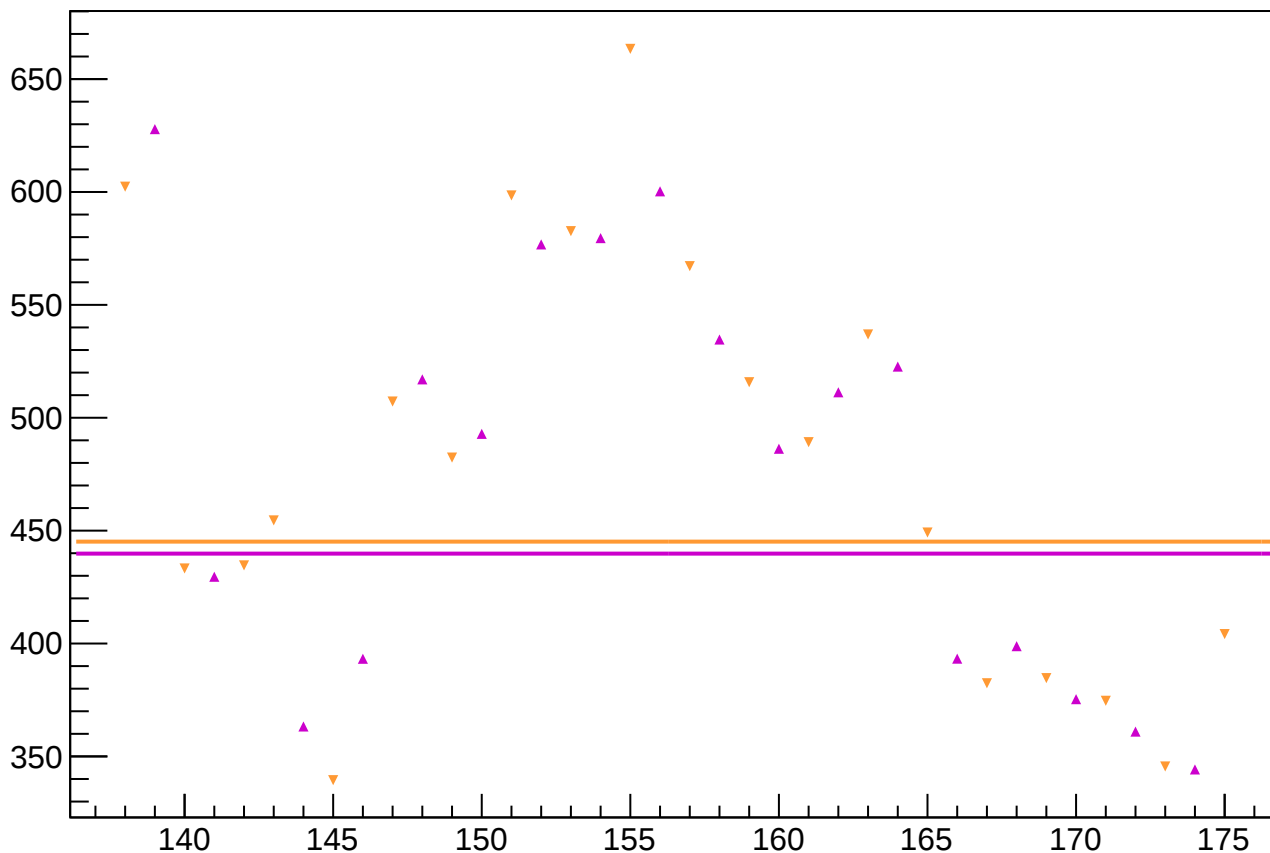
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 60.206+/-119.137 χ^2/NDF :17.8/17

Out: -661.820+/-117.027 χ^2/NDF :57.6/19

All: -307.258+/-83.487 χ^2/NDF : 94.1/37

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 445.136+/-0.083 χ^2/NDF :1082417.6/19

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

Left In: 439.820+/-0.084 χ^2/NDF :1003890.3/17

Left: 442.526+/-0.059 χ^2/NDF : 2088334.3/37

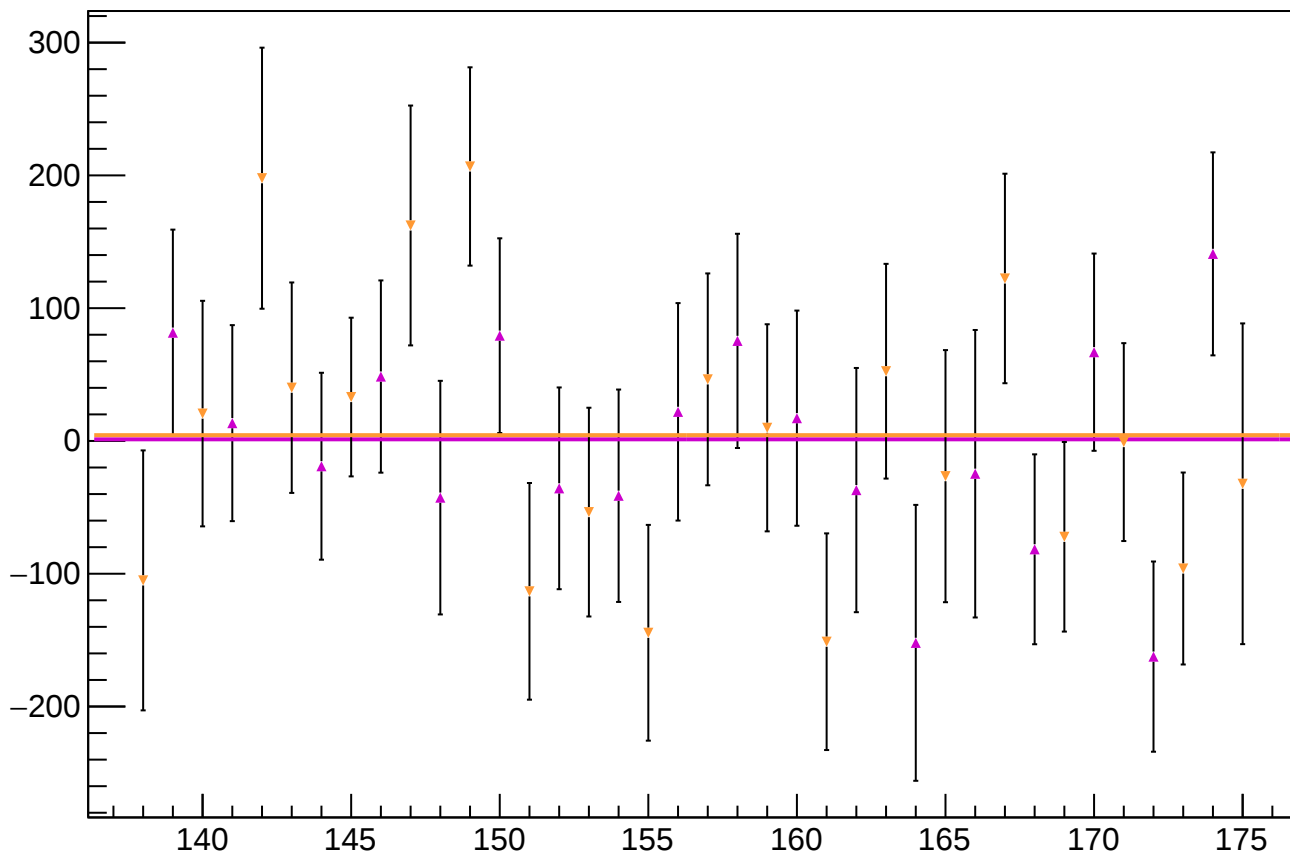
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 439.820+/-0.084 χ^2/NDF :1003890.3/17

Out: 445.136+/-0.083 χ^2/NDF :1082417.6/19

All: 442.526+/-0.059 χ^2/NDF : 2088334.3/37

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: 4.361+/-18.008 χ^2/NDF :31.8/19

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

Left In: 1.227+/-18.630 χ^2/NDF :17.5/17

Left: 2.847+/-12.948 χ^2/NDF : 49.3/37

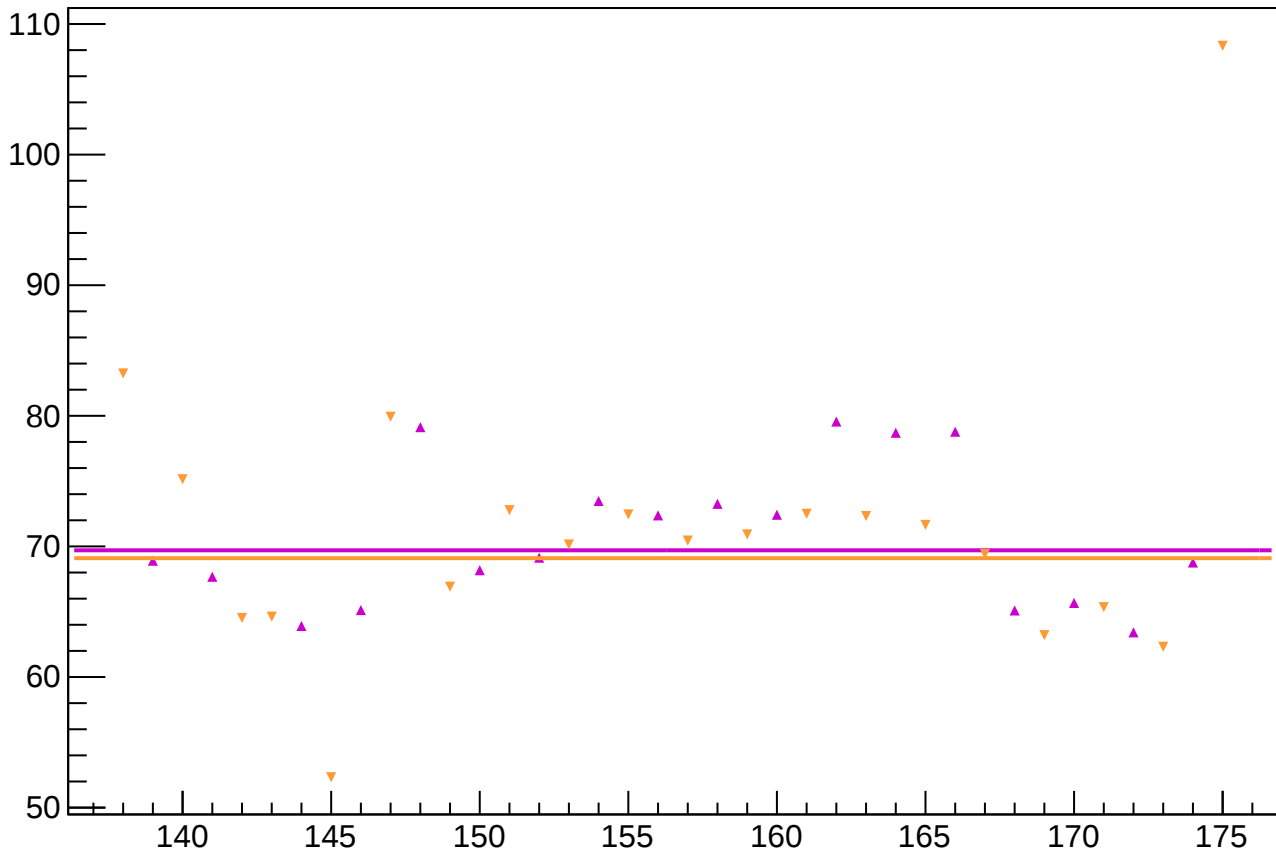
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1.227+/-18.630 χ^2/NDF :17.5/17

Out: 4.361+/-18.008 χ^2/NDF :31.8/19

All: 2.847+/-12.948 χ^2/NDF : 49.3/37

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: 69.101+/-0.013 χ^2/NDF :515585.4/19

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

Left In: 69.703+/-0.013 χ^2/NDF :141894.8/17

Left: 69.391+/-0.009 χ^2/NDF : 658559.4/37

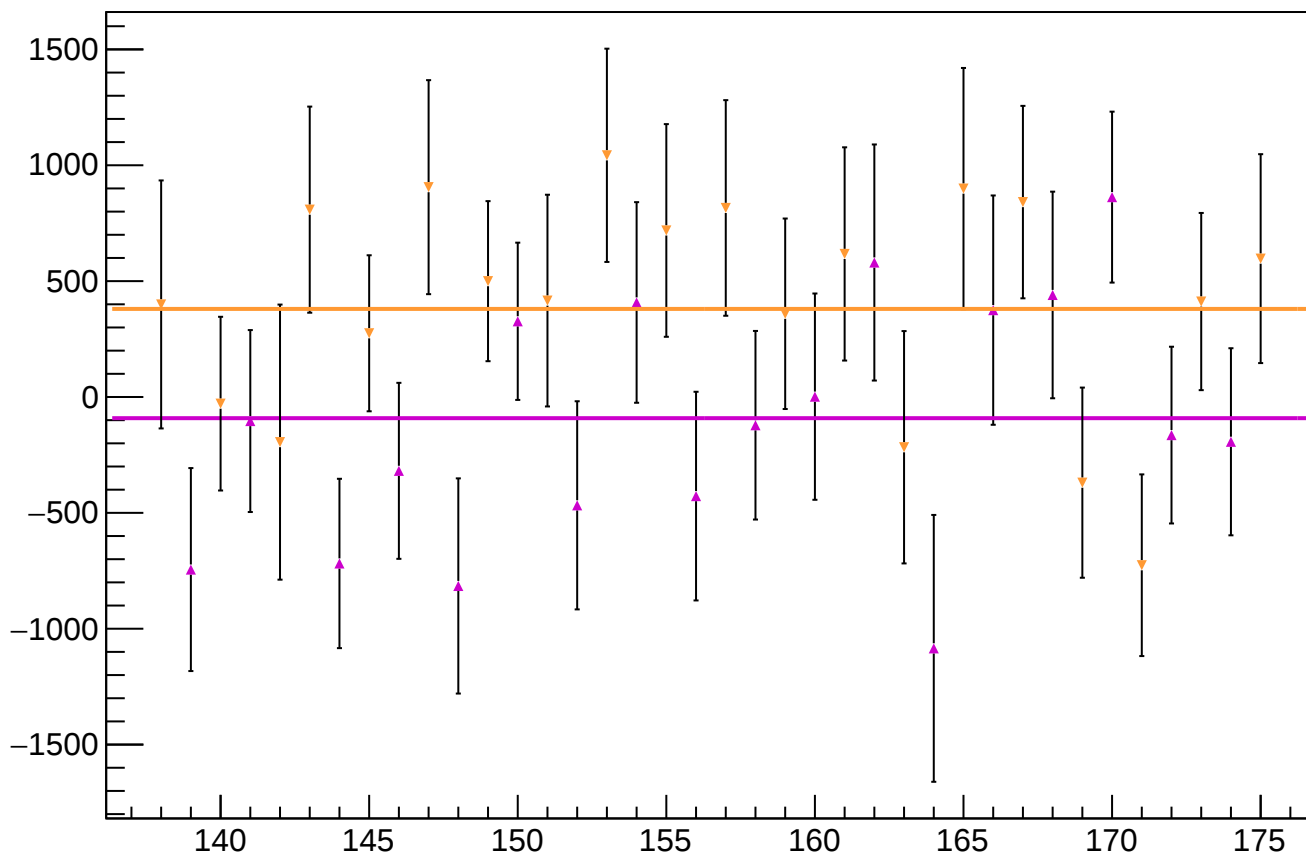
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 69.703+/-0.013 χ^2/NDF :141894.8/17

Out: 69.101+/-0.013 χ^2/NDF :515585.4/19

All: 69.391+/-0.009 χ^2/NDF : 658559.4/37

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: 380.089+/-96.403 χ^2/NDF :23.5/19

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

Left In: -91.414+/-98.960 χ^2/NDF :25.9/17

Left: 150.508+/-69.053 χ^2/NDF : 61.1/37

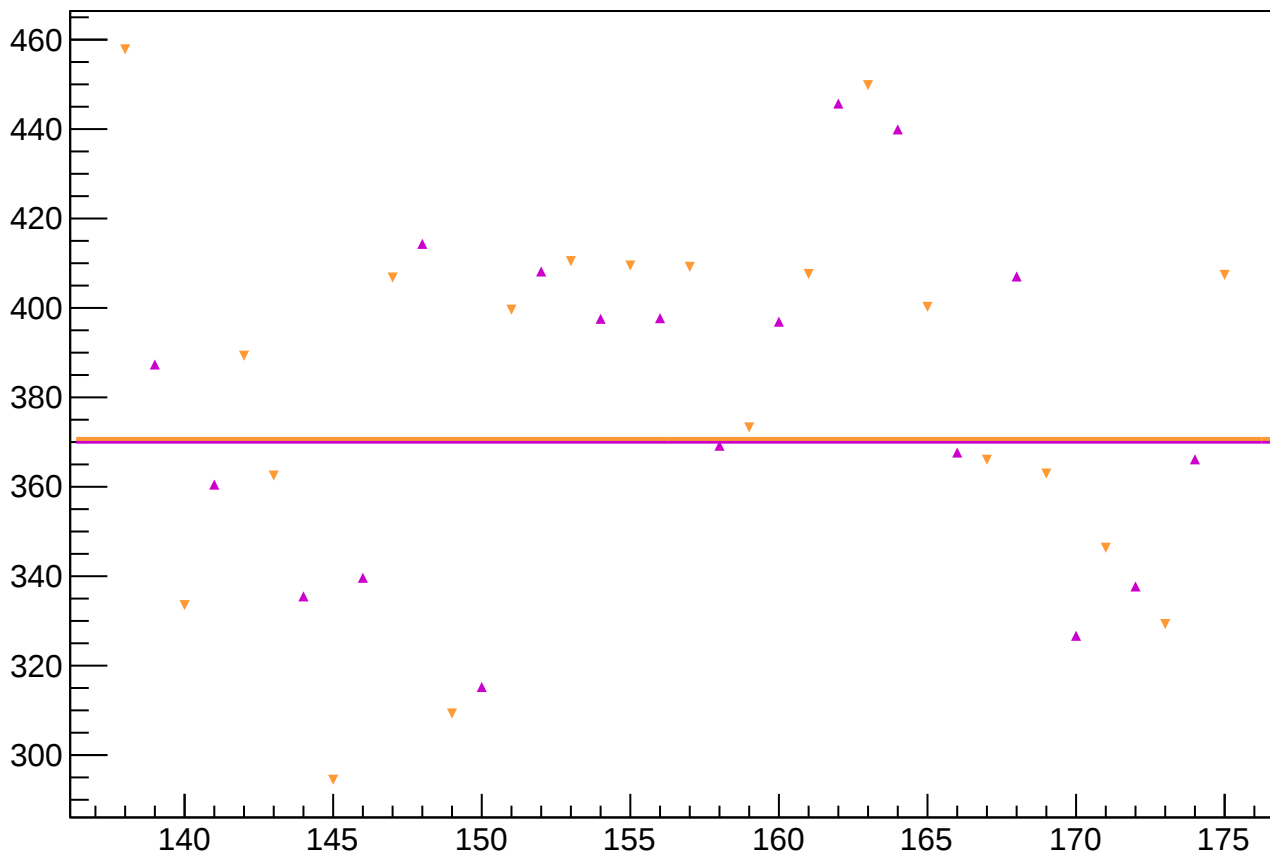
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -91.414+/-98.960 χ^2/NDF :25.9/17

Out: 380.089+/-96.403 χ^2/NDF :23.5/19

All: 150.508+/-69.053 χ^2/NDF : 61.1/37

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: 370.705+/-0.068 χ^2/NDF : 418752.9/19

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

Left In: 370.091+/-0.070 χ^2/NDF : 272375.0/17

Left: 370.406+/-0.049 χ^2/NDF : 691167.4/37

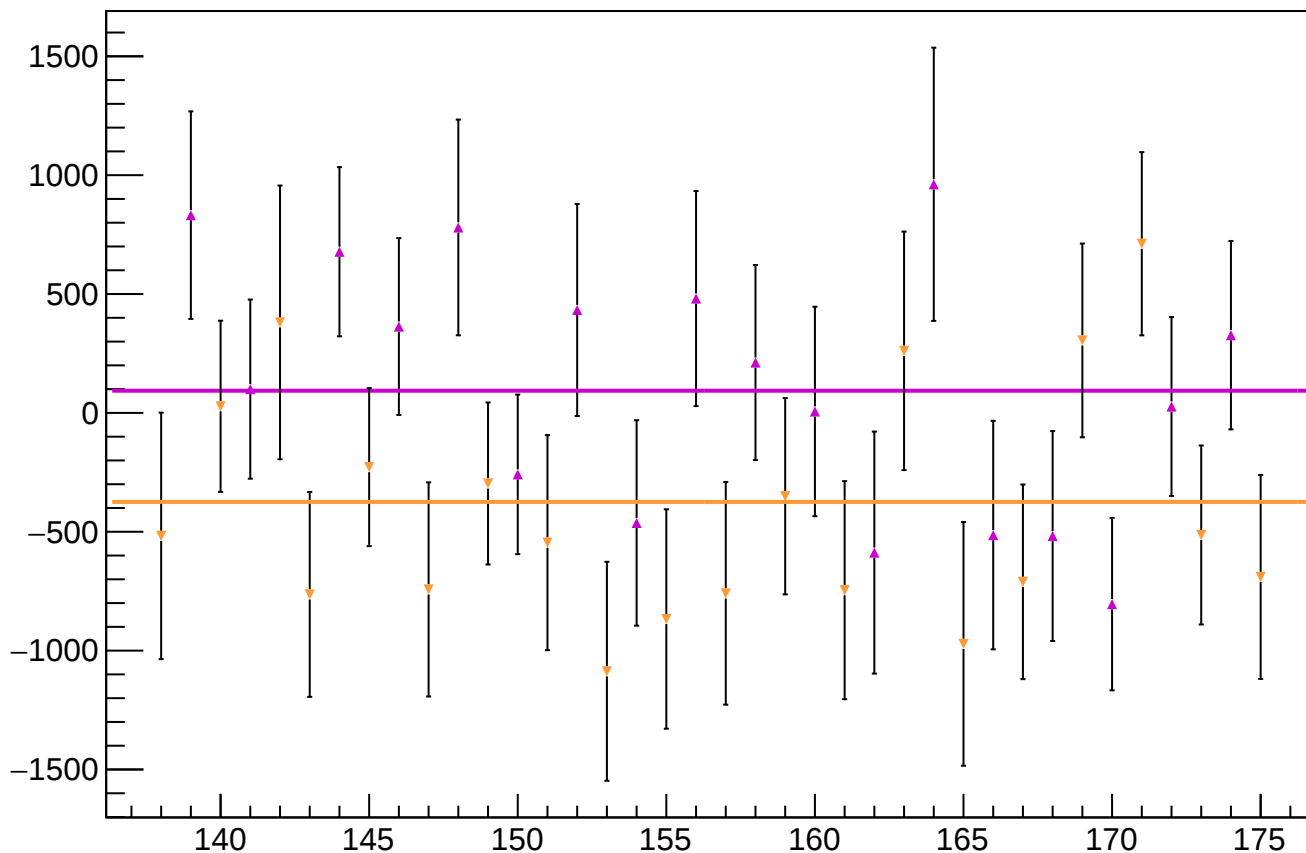
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 370.091+/-0.070 χ^2/NDF : 272375.0/17

Out: 370.705+/-0.068 χ^2/NDF : 418752.9/19

All: 370.406+/-0.049 χ^2/NDF : 691167.4/37

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -374.437+/-94.955 χ^2/NDF :24.8/19

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

Left In: 93.376+/-97.645 χ^2/NDF :26.7/17

Left: -147.062+/-68.074 χ^2/NDF : 63.3/37

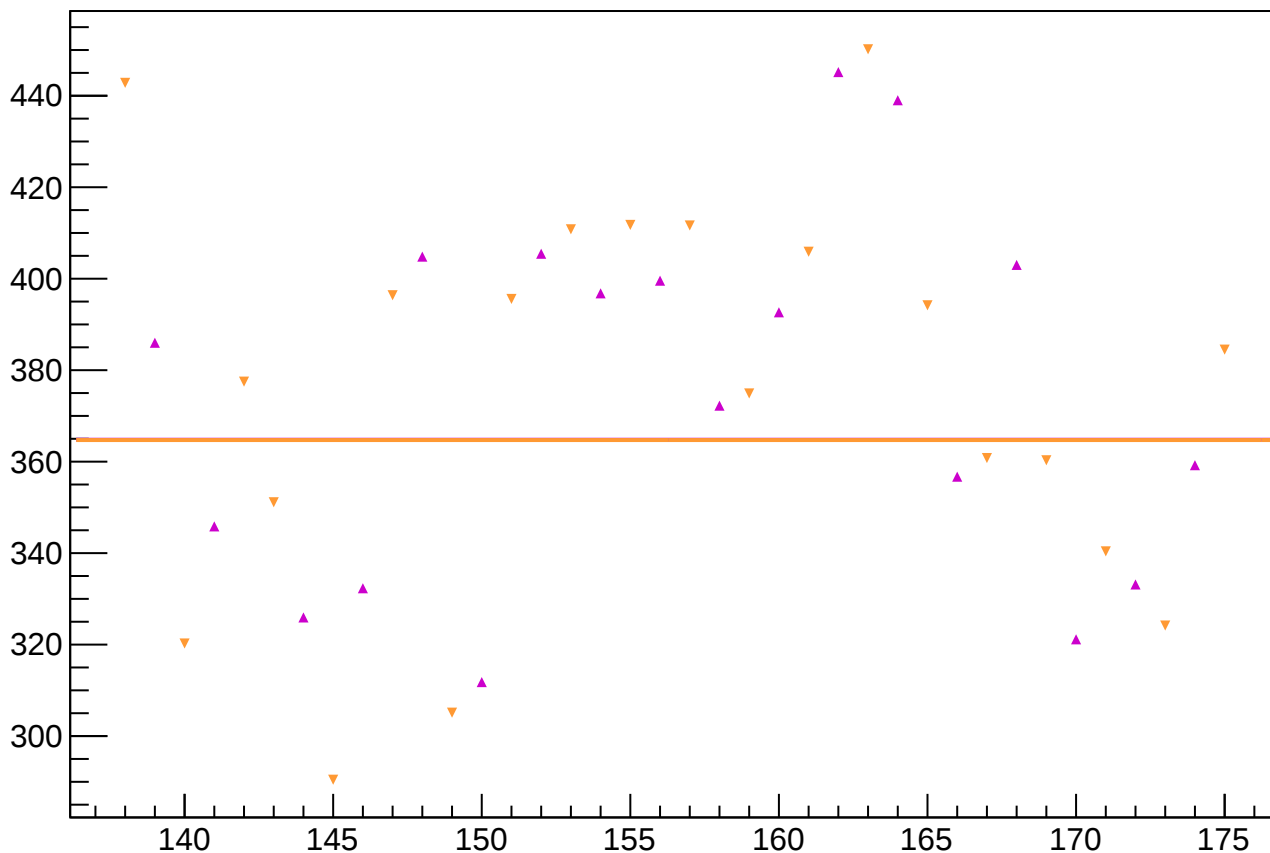
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 93.376+/-97.645 χ^2/NDF :26.7/17

Out: -374.437+/-94.955 χ^2/NDF :24.8/19

All: -147.062+/-68.074 χ^2/NDF : 63.3/37

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 364.724+/-0.067 χ^2/NDF :437846.2/19

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

Left In: 364.788+/-0.069 χ^2/NDF :304620.4/17

Left: 364.755+/-0.048 χ^2/NDF : 742467.0/37

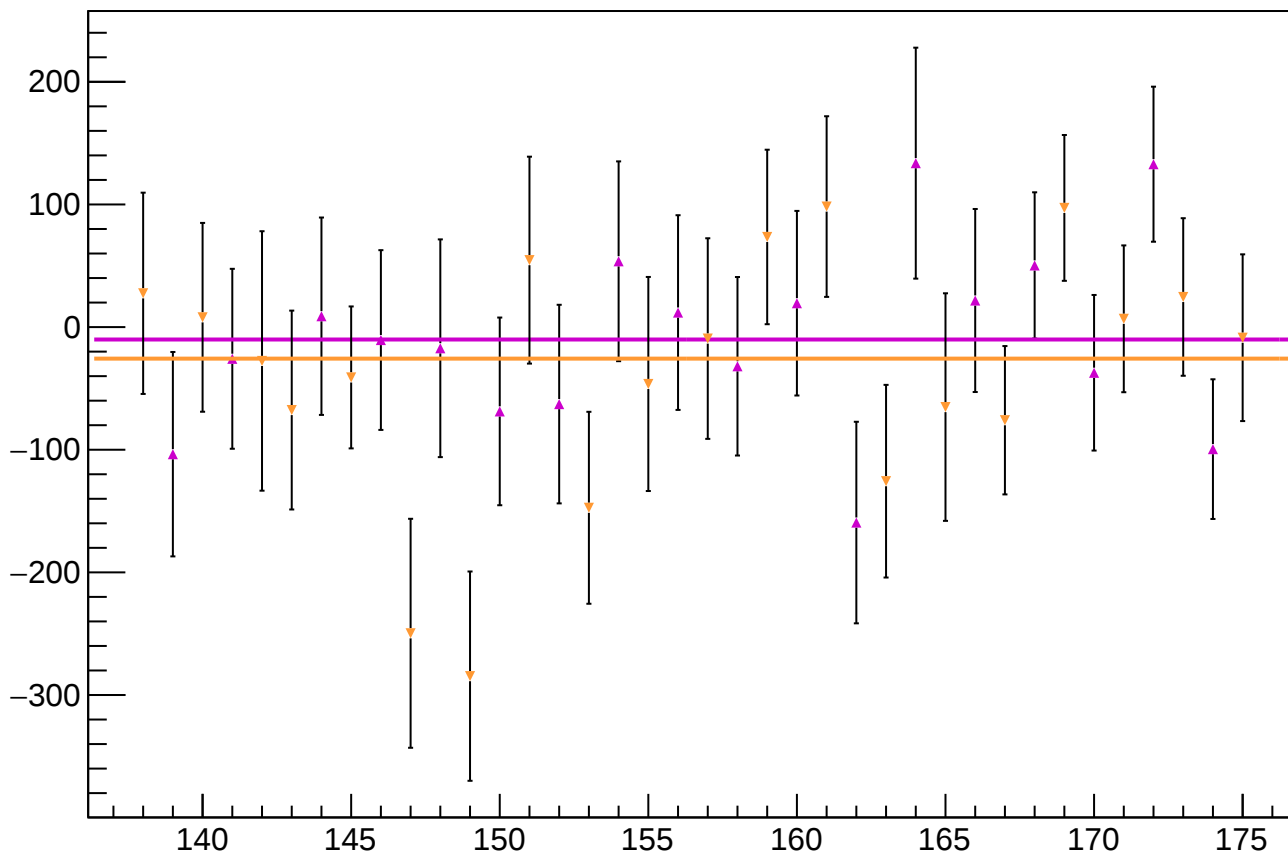
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 364.788+/-0.069 χ^2/NDF :304620.4/17

Out: 364.724+/-0.067 χ^2/NDF :437846.2/19

All: 364.755+/-0.048 χ^2/NDF : 742467.0/37

dit_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -25.706+/-16.556 χ^2/NDF :31.8/19

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

Left In: -10.119+/-17.345 χ^2/NDF :17.9/17

Left: -18.275+/-11.976 χ^2/NDF : 50.2/37

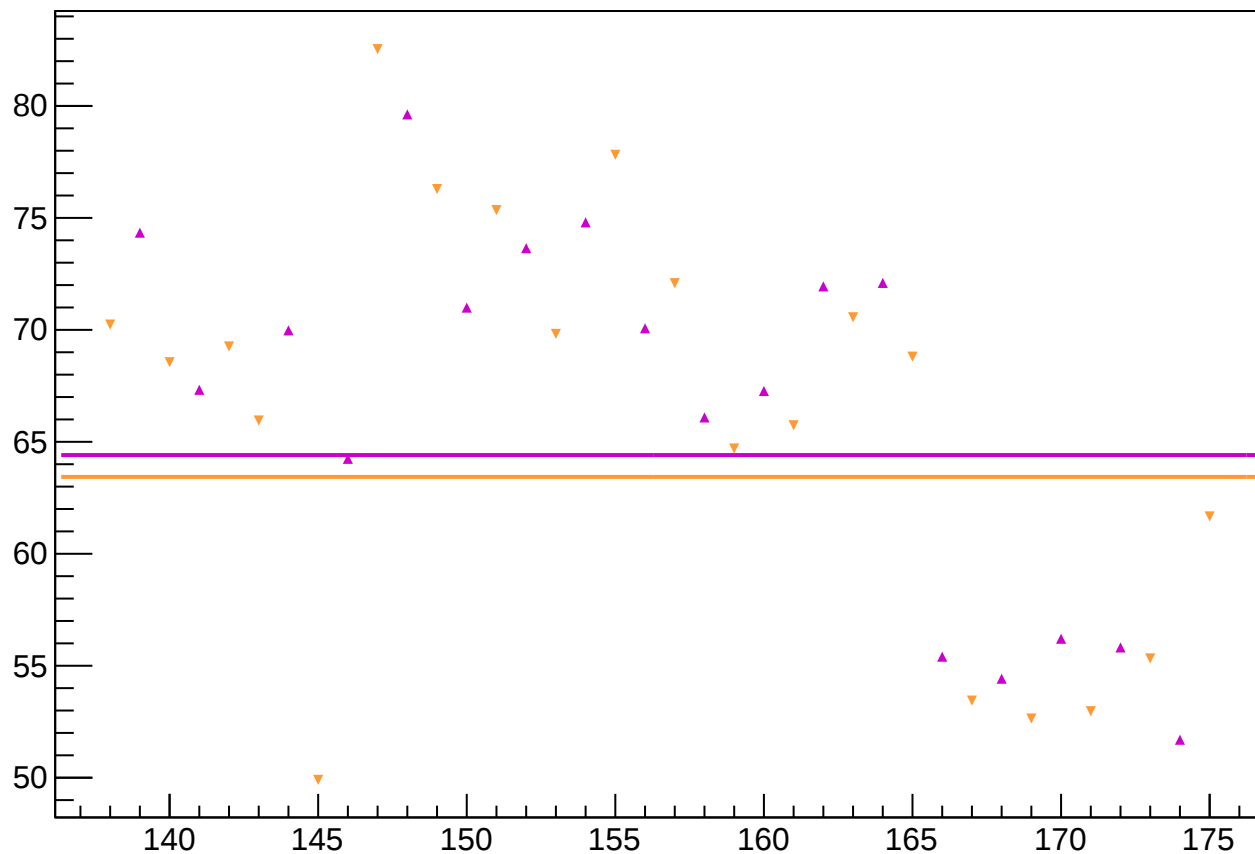
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -10.119+/-17.345 χ^2/NDF :17.9/17

Out: -25.706+/-16.556 χ^2/NDF :31.8/19

All: -18.275+/-11.976 χ^2/NDF : 50.2/37

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: 63.433+/-0.012 χ^2/NDF :639468.9/19

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

Left In: 64.410+/-0.012 χ^2/NDF :472823.6/17

Left: 63.899+/-0.008 χ^2/NDF : 1115606.7/37

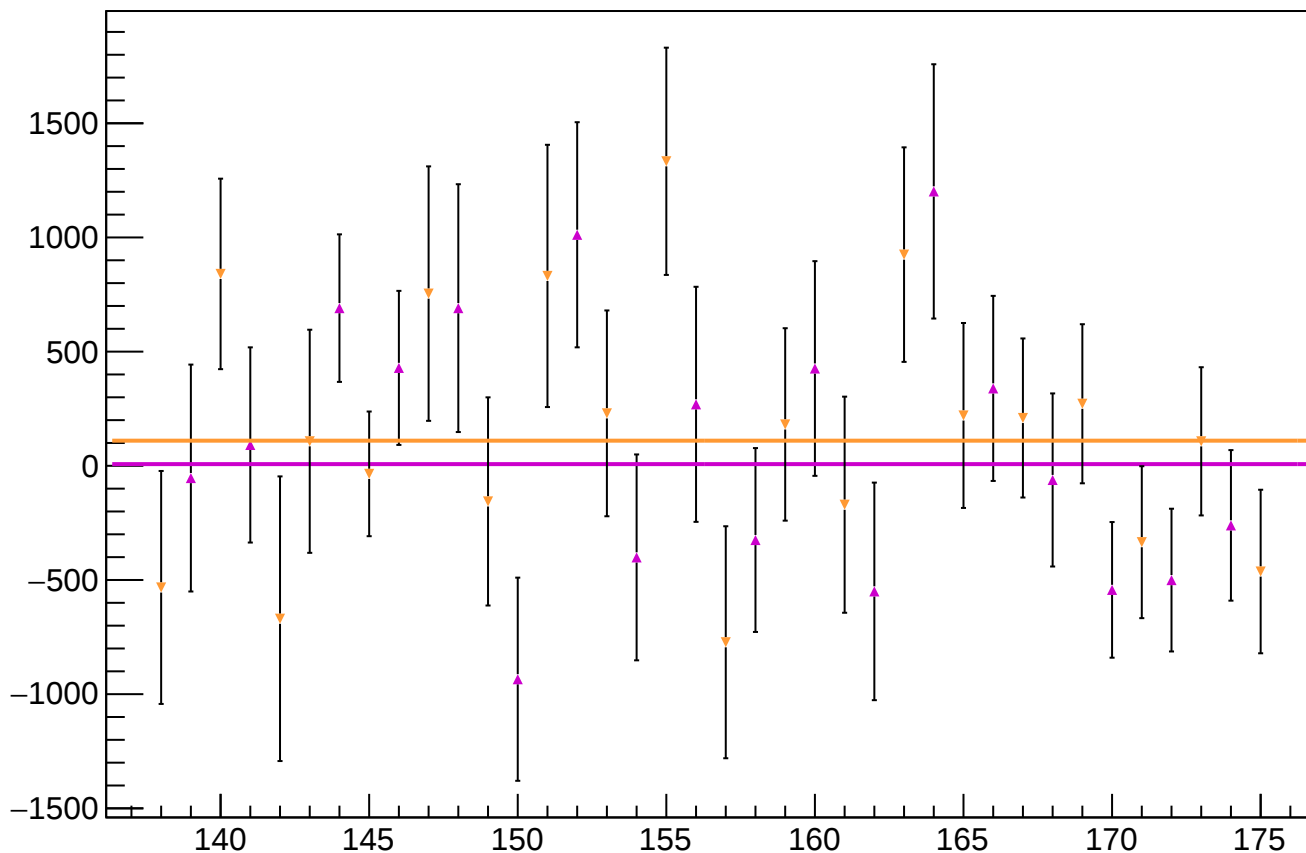
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 64.410+/-0.012 χ^2/NDF :472823.6/17

Out: 63.433+/-0.012 χ^2/NDF :639468.9/19

All: 63.899+/-0.008 χ^2/NDF : 1115606.7/37

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: 110.085 $\pm$ 92.361 χ^2 /NDF:27.0/19

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

Left In: 7.387 $\pm$ 94.785 χ^2 /NDF:32.3/17

Left: 60.066 $\pm$ 66.150 χ^2 /NDF: 59.9/37

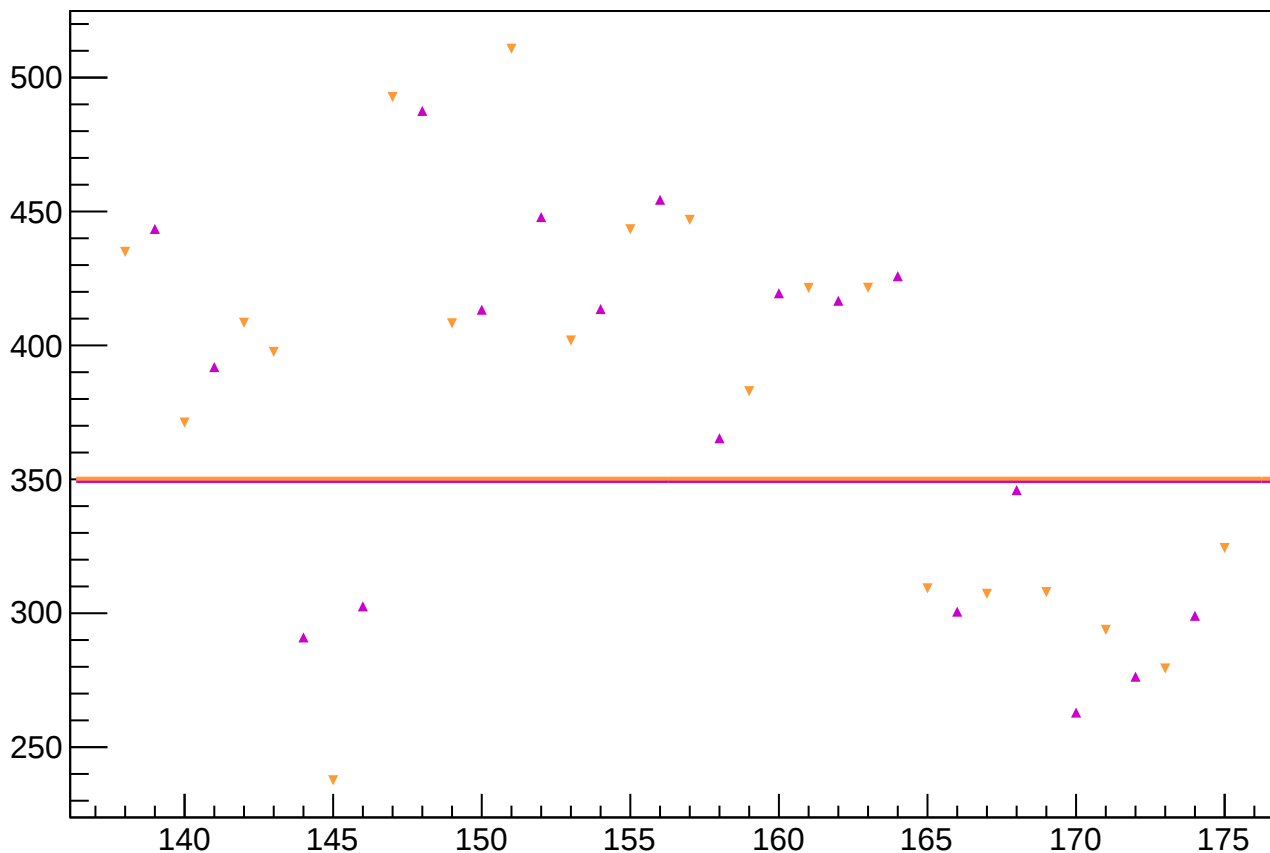
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 7.387 $\pm$ 94.785 χ^2 /NDF:32.3/17

Out: 110.085 $\pm$ 92.361 χ^2 /NDF:27.0/19

All: 60.066 $\pm$ 66.150 χ^2 /NDF: 59.9/37

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: 350.241+/-0.065 χ^2/NDF :1272195.0/19

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

Left In: 349.391+/-0.067 χ^2/NDF :1049987.5/17

Left: 349.827+/-0.047 χ^2/NDF : 2322264.9/37

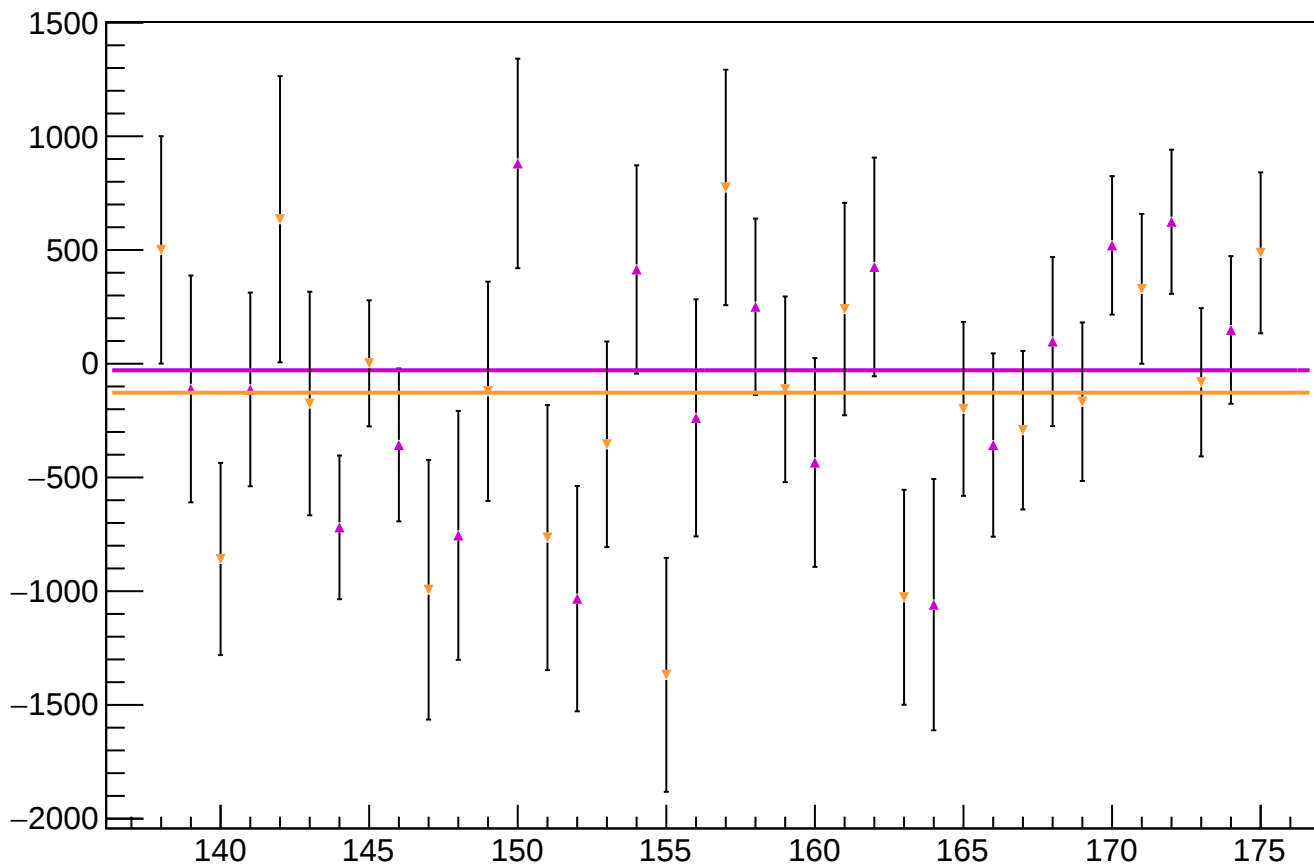
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 349.391+/-0.067 χ^2/NDF :1049987.5/17

Out: 350.241+/-0.065 χ^2/NDF :1272195.0/19

All: 349.827+/-0.047 χ^2/NDF : 2322264.9/37

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -127.214 ± 92.441 $\chi^2/\text{NDF}: 28.4/19$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -28.675 ± 94.640 $\chi^2/\text{NDF}: 30.9/17$

Left: -79.102 ± 66.129 $\chi^2/\text{NDF}: 59.8/37$

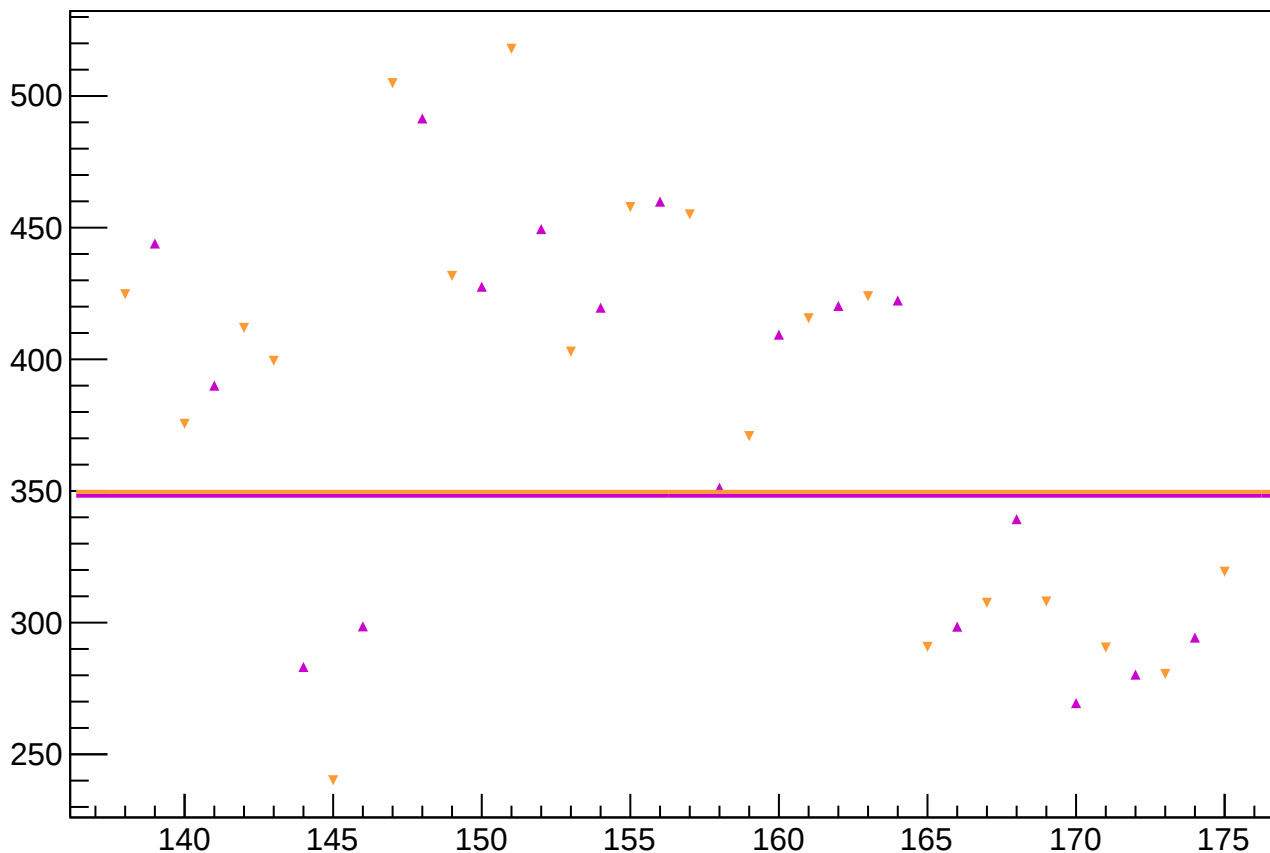
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -28.675 ± 94.640 $\chi^2/\text{NDF}: 30.9/17$

Out: -127.214 ± 92.441 $\chi^2/\text{NDF}: 28.4/19$

All: -79.102 ± 66.129 $\chi^2/\text{NDF}: 59.8/37$

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 349.676+/-0.065 χ^2/NDF :1346009.5/19

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

Left In: 348.208+/-0.067 χ^2/NDF :1071171.8/17

Left: 348.959+/-0.047 χ^2/NDF : 2417427.6/37

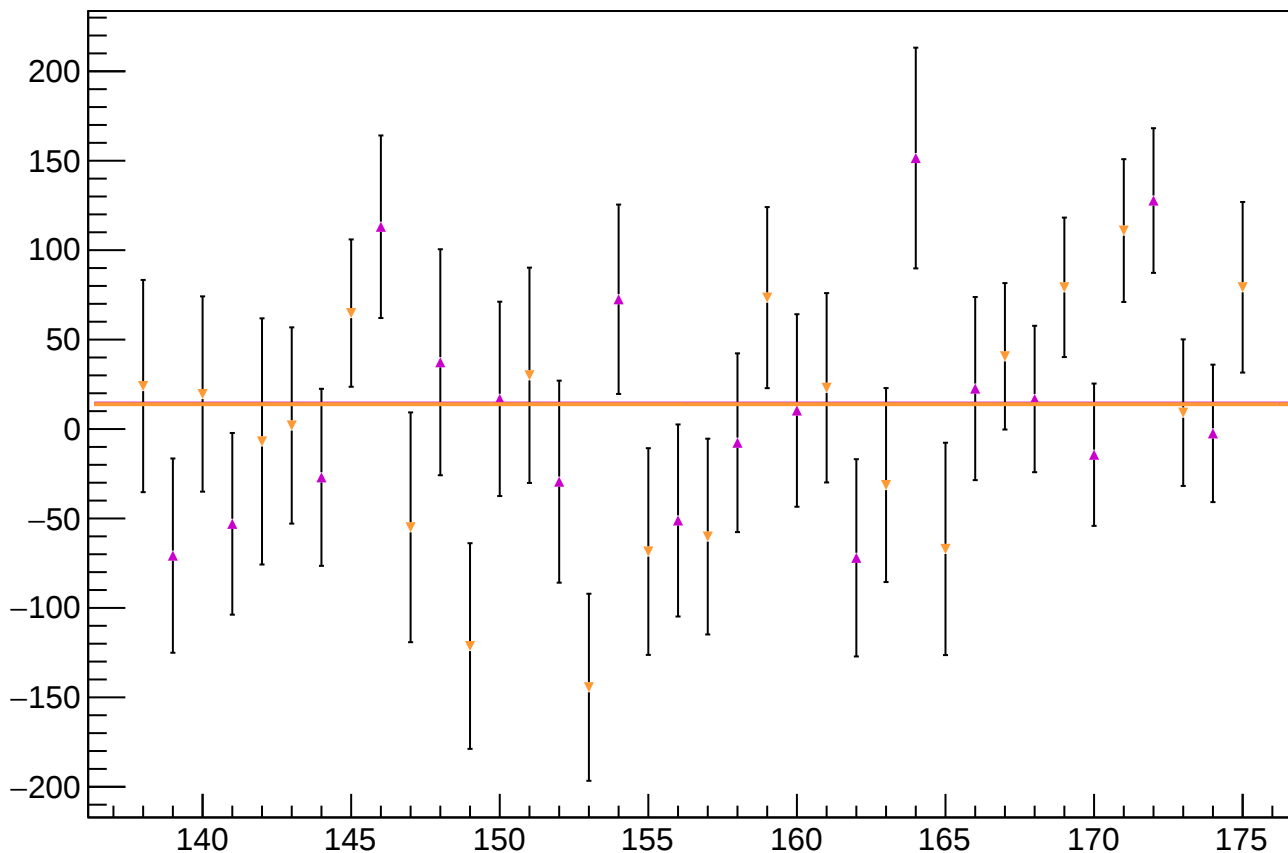
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 348.208+/-0.067 χ^2/NDF :1071171.8/17

Out: 349.676+/-0.065 χ^2/NDF :1346009.5/19

All: 348.959+/-0.047 χ^2/NDF : 2417427.6/37

dit_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 13.896+/-11.278 χ^2/NDF :36.5/19

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

Left In: 14.206+/-11.654 χ^2/NDF :28.3/17

Left: 14.046+/-8.104 χ^2/NDF : 64.8/37

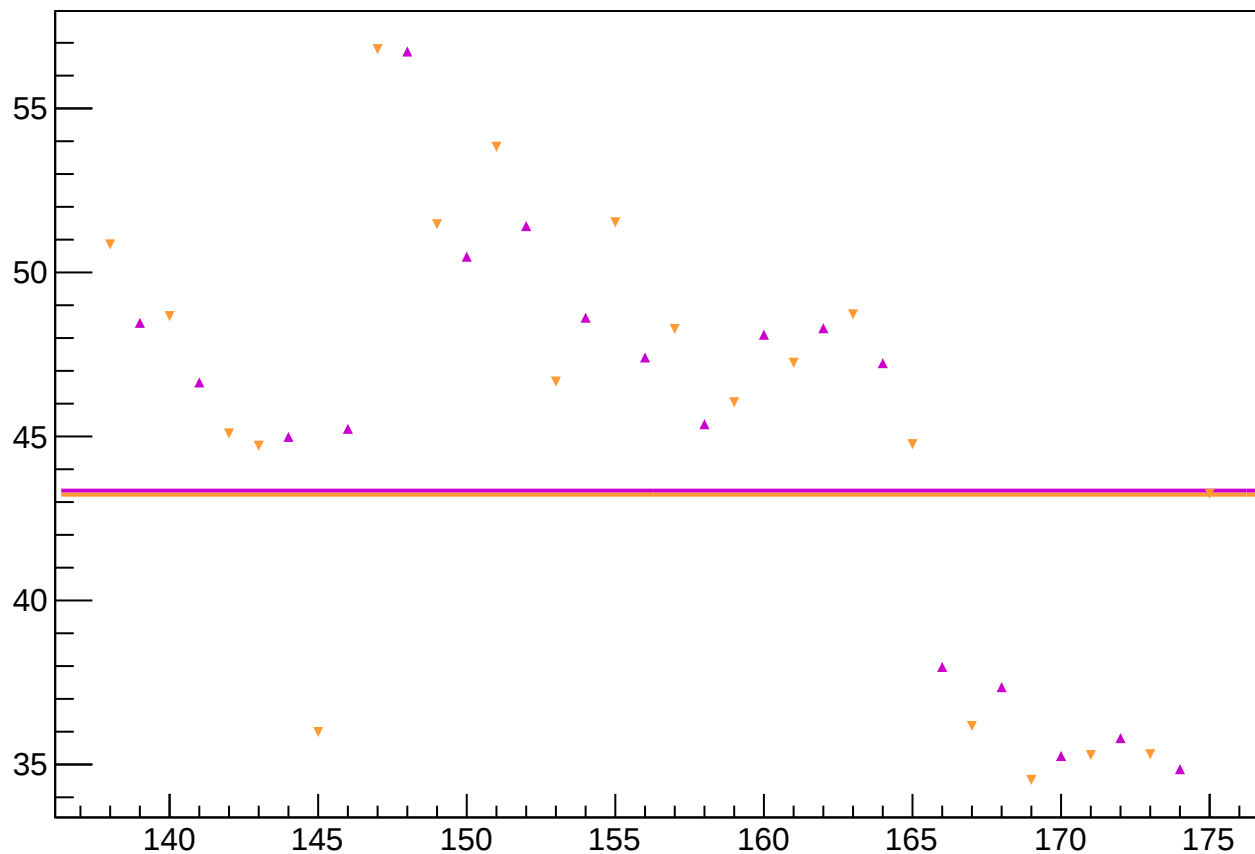
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 14.206+/-11.654 χ^2/NDF :28.3/17

Out: 13.896+/-11.278 χ^2/NDF :36.5/19

All: 14.046+/-8.104 χ^2/NDF : 64.8/37

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: 43.225+/-0.008 χ^2/NDF : 729458.8/19

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

Left In: 43.348+/-0.008 χ^2/NDF : 585310.0/17

Left: 43.285+/-0.006 χ^2/NDF : 1314883.3/37

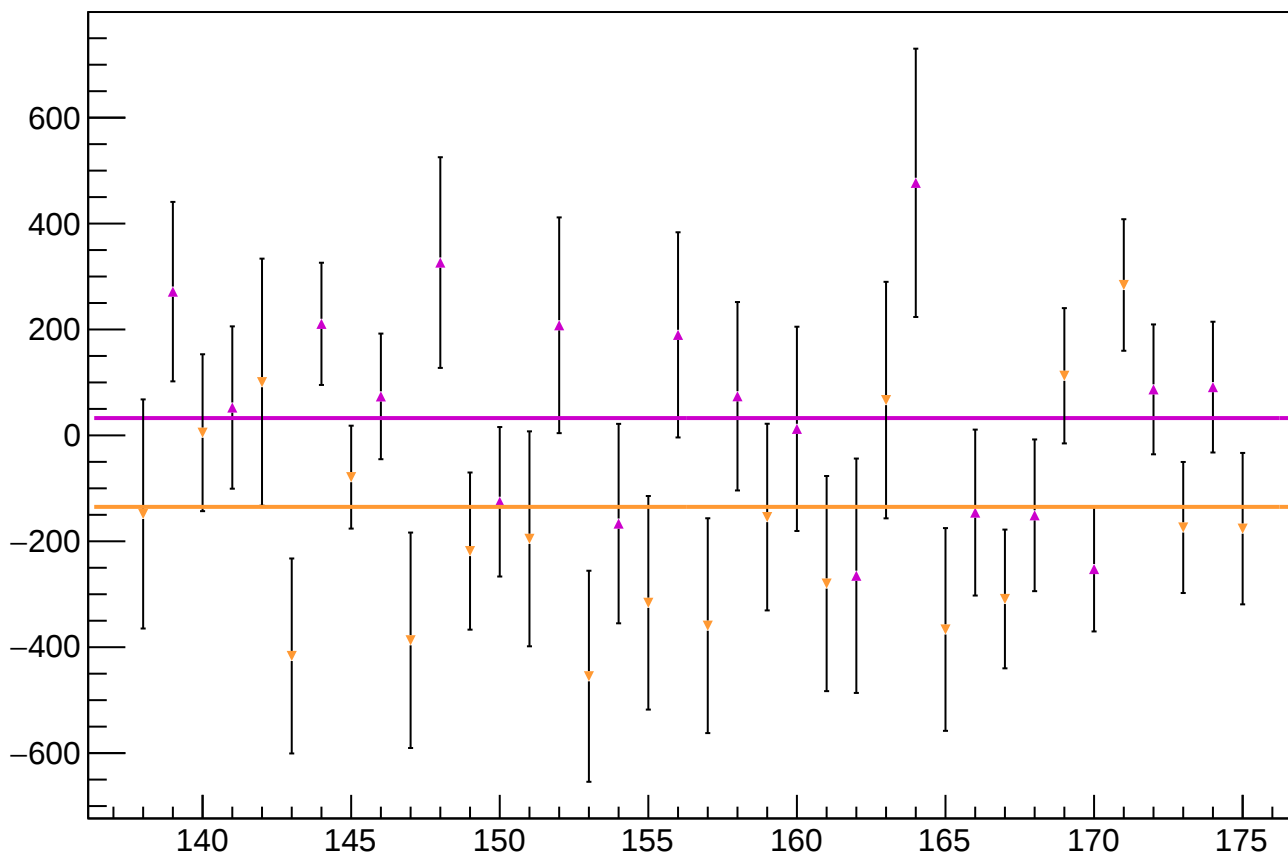
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 43.348+/-0.008 χ^2/NDF : 585310.0/17

Out: 43.225+/-0.008 χ^2/NDF : 729458.8/19

All: 43.285+/-0.006 χ^2/NDF : 1314883.3/37

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: -135.001+/-35.557 χ^2/NDF :31.0/19

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

Left In: 32.698+/-36.132 χ^2/NDF :24.6/17

Left: -52.498+/-25.343 χ^2/NDF : 66.6/37

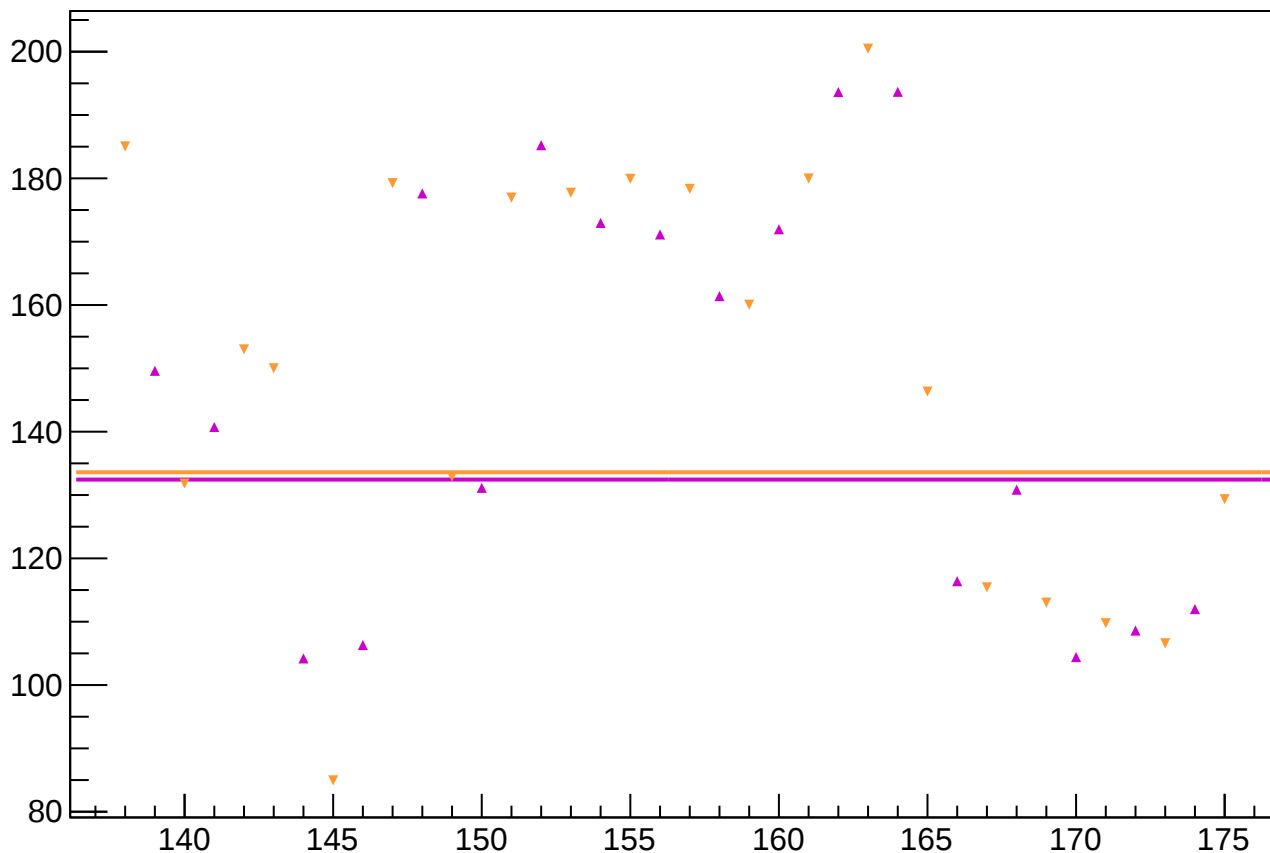
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 32.698+/-36.132 χ^2/NDF :24.6/17

Out: -135.001+/-35.557 χ^2/NDF :31.0/19

All: -52.498+/-25.343 χ^2/NDF : 66.6/37

asym_sam_37_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 133.592+/-0.025 χ^2/NDF :1735893.3/19

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

Left In: 132.442+/-0.026 χ^2/NDF :1324606.1/17

Left: 133.026+/-0.018 χ^2/NDF : 3061529.1/37

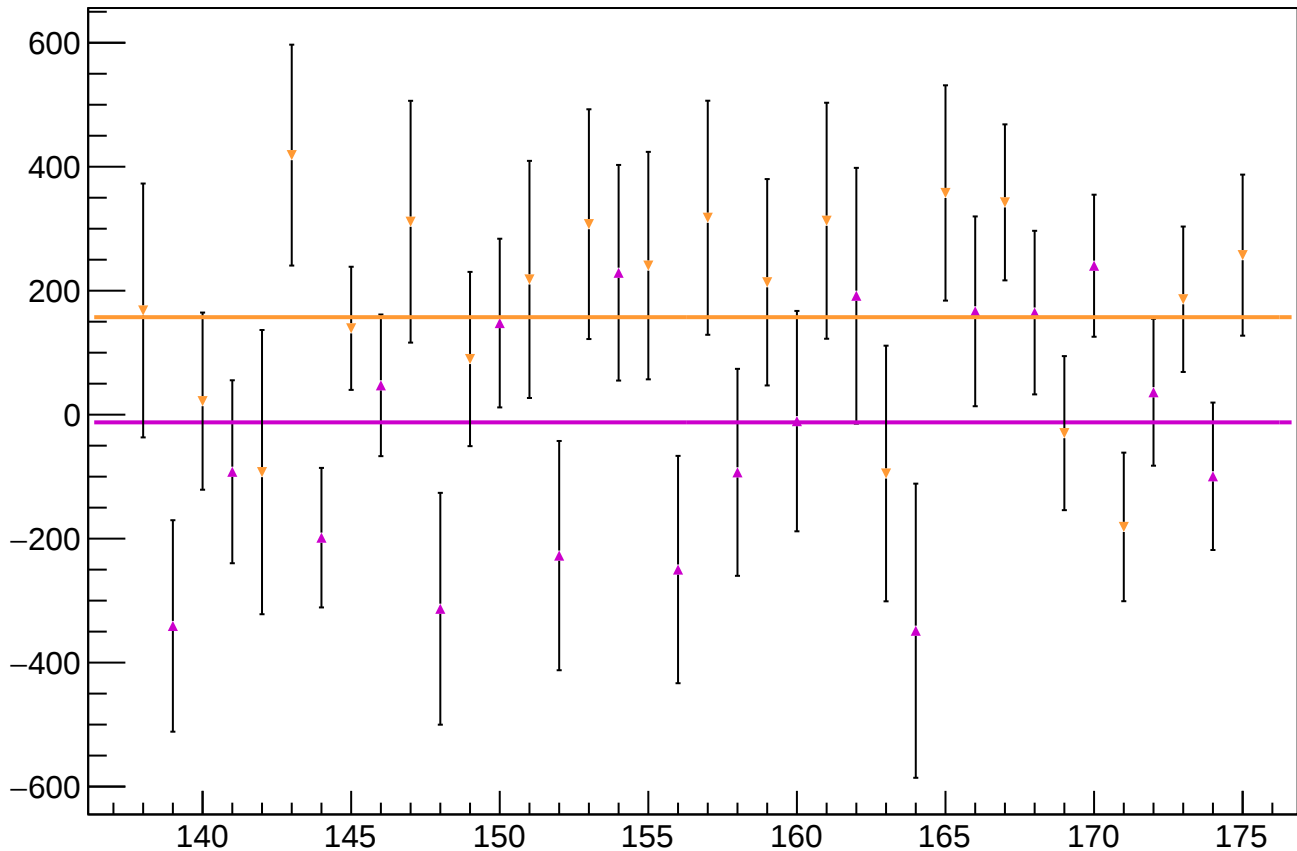
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 132.442+/-0.026 χ^2/NDF :1324606.1/17

Out: 133.592+/-0.025 χ^2/NDF :1735893.3/19

All: 133.026+/-0.018 χ^2/NDF : 3061529.1/37

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 157.274+/-33.989 χ^2/NDF :23.5/19

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

Left In: -12.422+/-34.557 χ^2/NDF :27.9/17

Left: 73.831+/-24.232 χ^2/NDF : 63.6/37

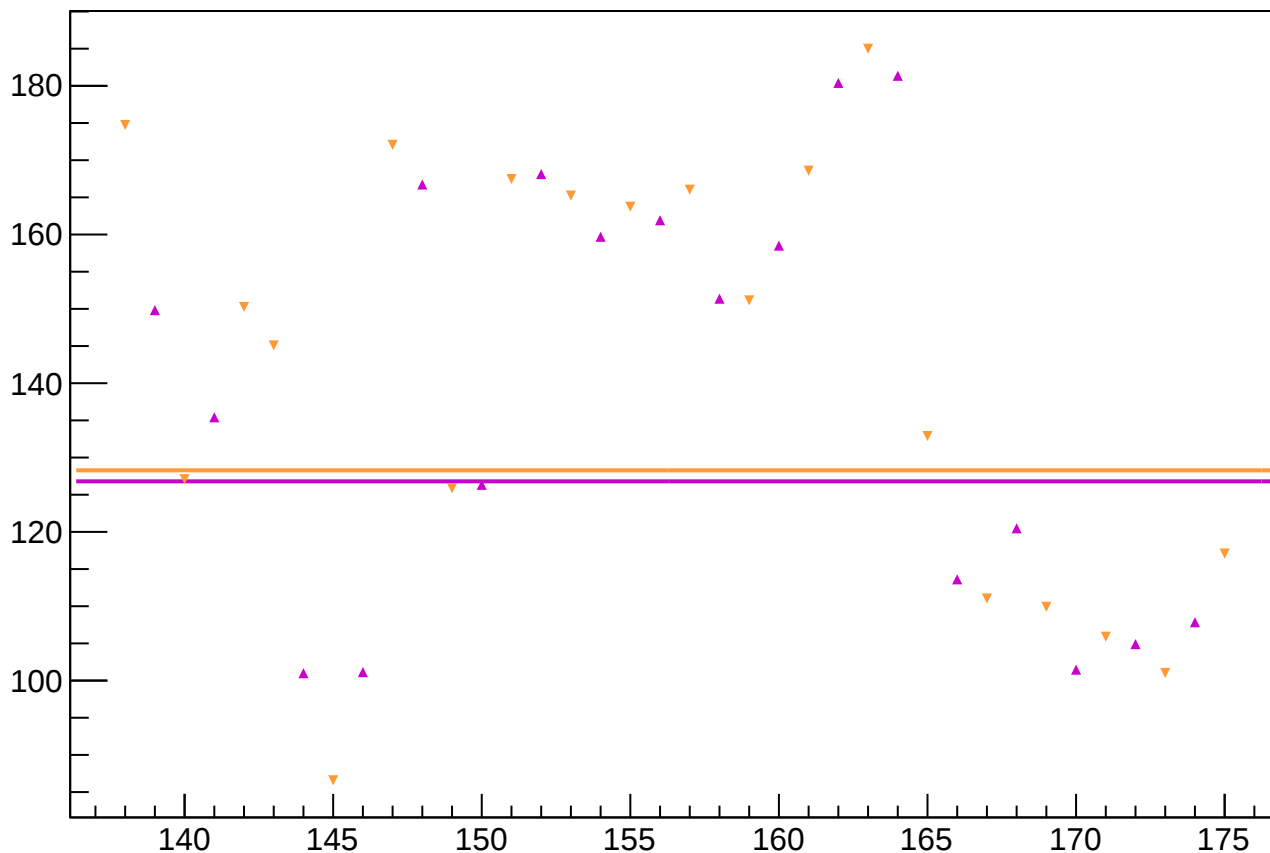
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -12.422+/-34.557 χ^2/NDF :27.9/17

Out: 157.274+/-33.989 χ^2/NDF :23.5/19

All: 73.831+/-24.232 χ^2/NDF : 63.6/37

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 128.282+/-0.024 χ^2/NDF :1464939.5/19

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

Left In: 126.802+/-0.024 χ^2/NDF :1169229.1/17

Left: 127.554+/-0.017 χ^2/NDF : 2636033.4/37

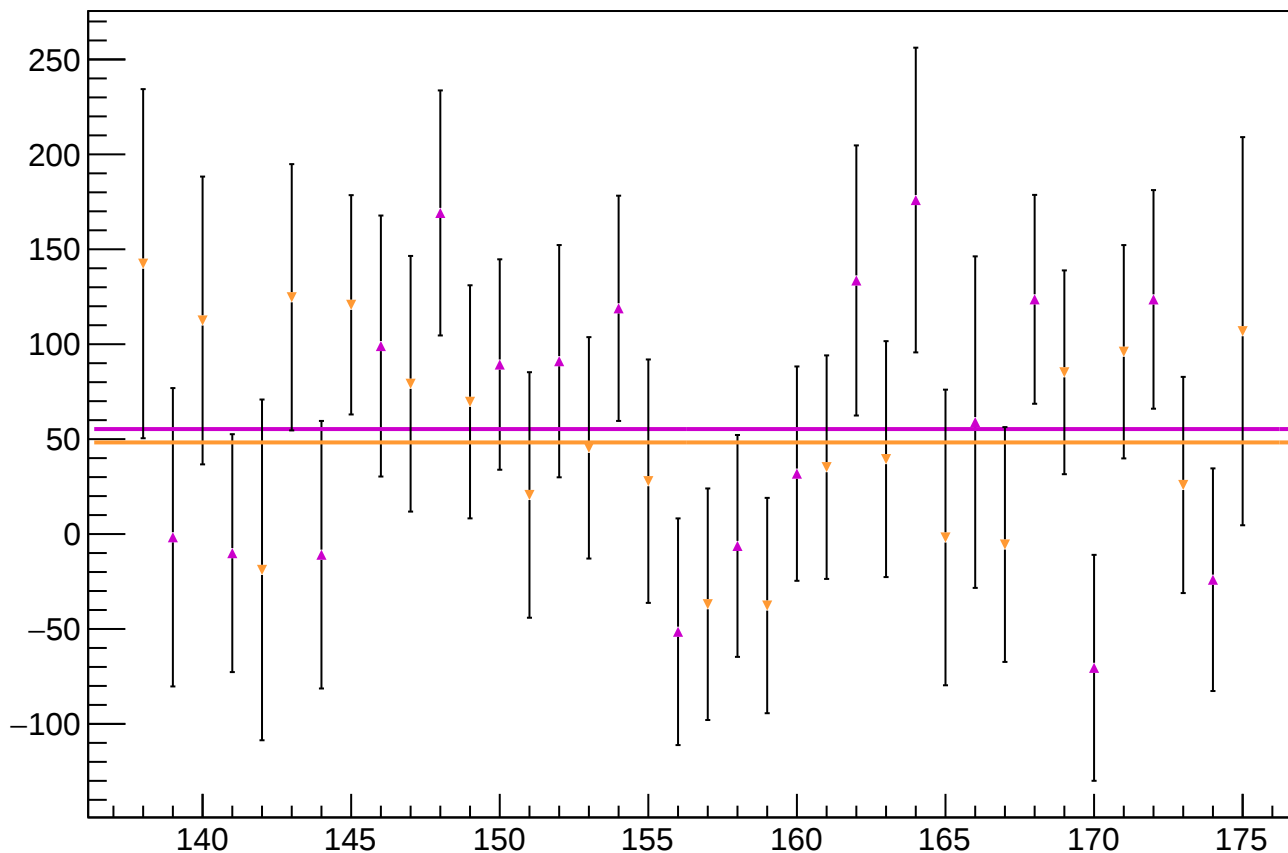
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 126.802+/-0.024 χ^2/NDF :1169229.1/17

Out: 128.282+/-0.024 χ^2/NDF :1464939.5/19

All: 127.554+/-0.017 χ^2/NDF : 2636033.4/37

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: 48.262 $\pm$ 14.428 χ^2 /NDF:12.9/19

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

Left In: 55.304 $\pm$ 14.869 χ^2 /NDF:25.1/17

Left: 51.677 $\pm$ 10.355 χ^2 /NDF: 38.1/37

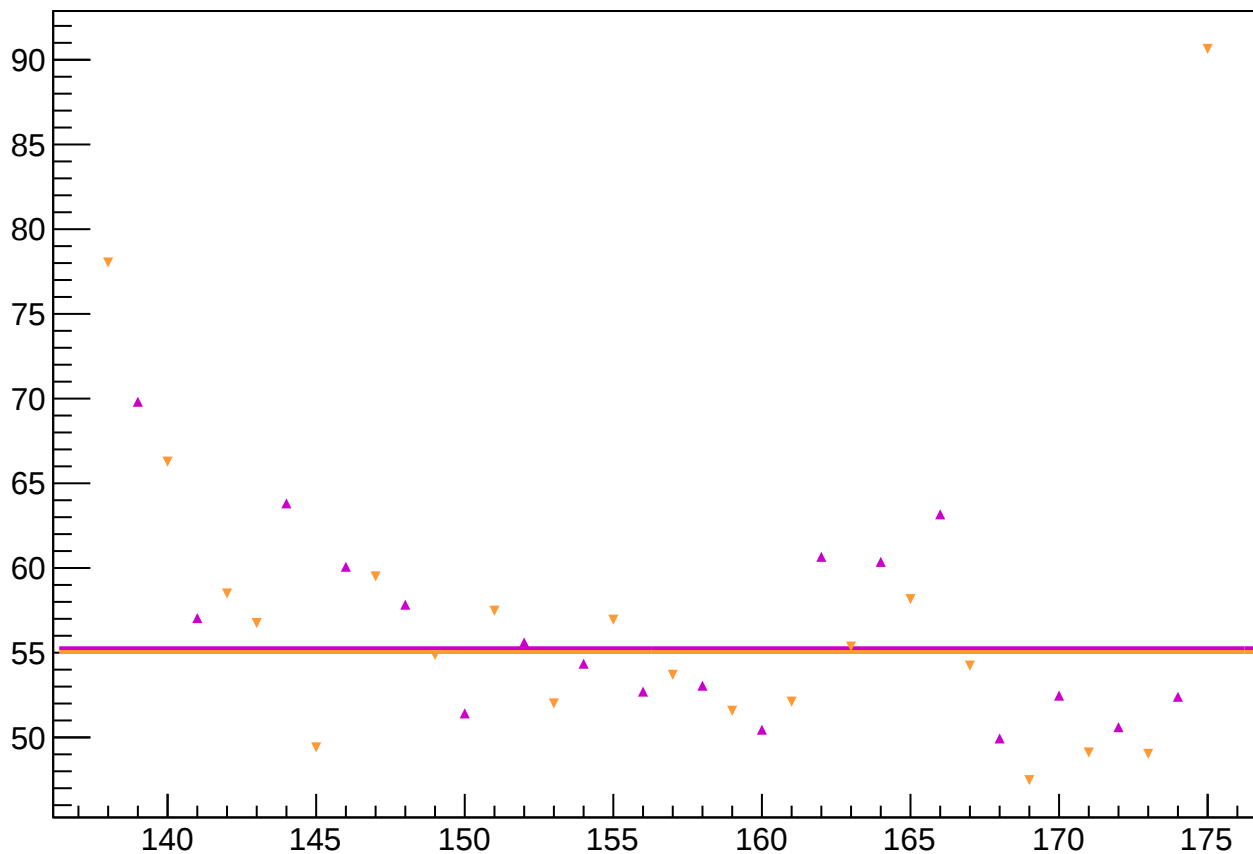
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 55.304 $\pm$ 14.869 χ^2 /NDF:25.1/17

Out: 48.262 $\pm$ 14.428 χ^2 /NDF:12.9/19

All: 51.677 $\pm$ 10.355 χ^2 /NDF: 38.1/37

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



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

Left Out: 55.042+/-0.010 χ^2/NDF :554920.4/19

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

Left In: 55.261+/-0.011 χ^2/NDF :220821.3/17

Left: 55.148+/-0.007 χ^2/NDF : 775965.1/37

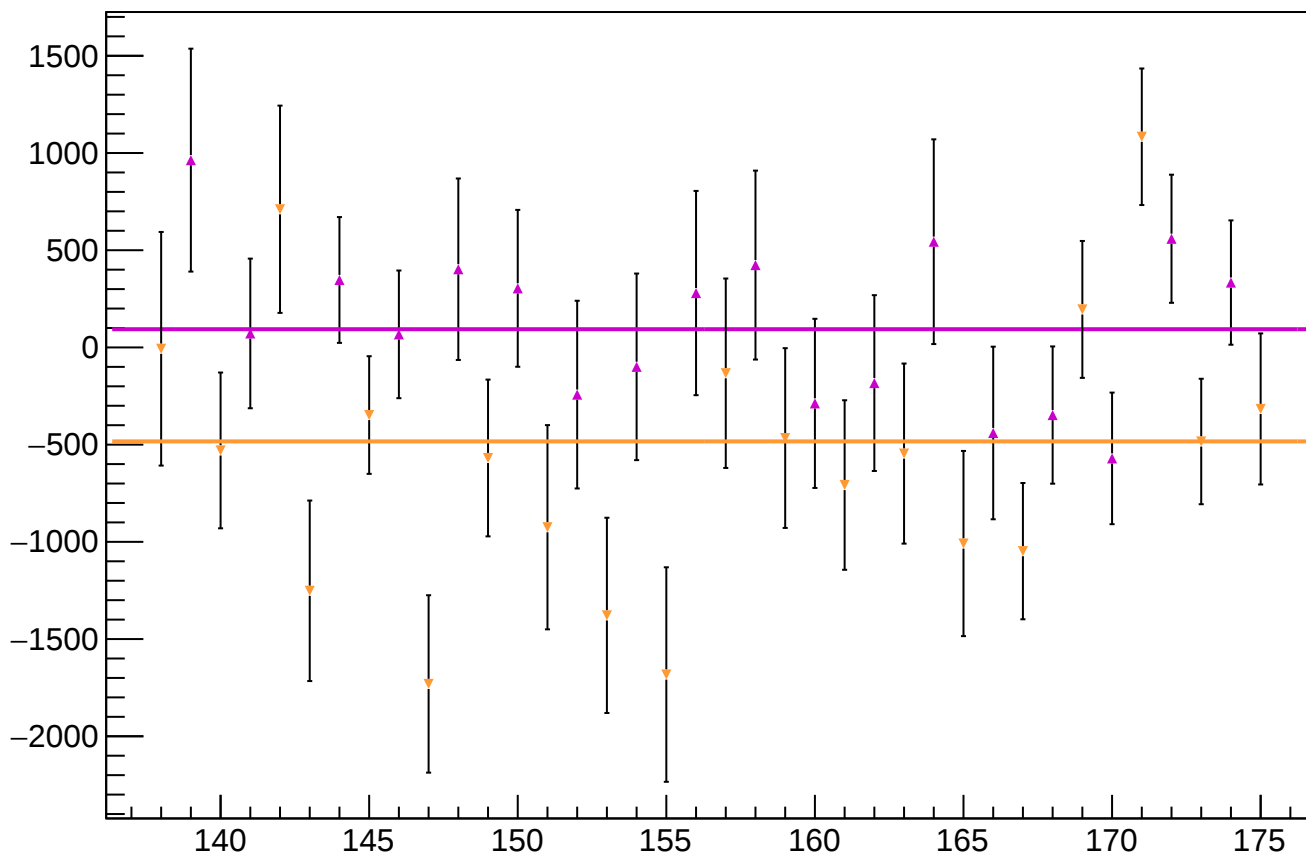
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 55.261+/-0.011 χ^2/NDF :220821.3/17

Out: 55.042+/-0.010 χ^2/NDF :554920.4/19

All: 55.148+/-0.007 χ^2/NDF : 775965.1/37

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -483.328+/-93.789 χ^2/NDF :53.2/19

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

Left In: 93.728+/-95.148 χ^2/NDF :16.2/17

Left: -198.950+/-66.794 χ^2/NDF : 88.0/37

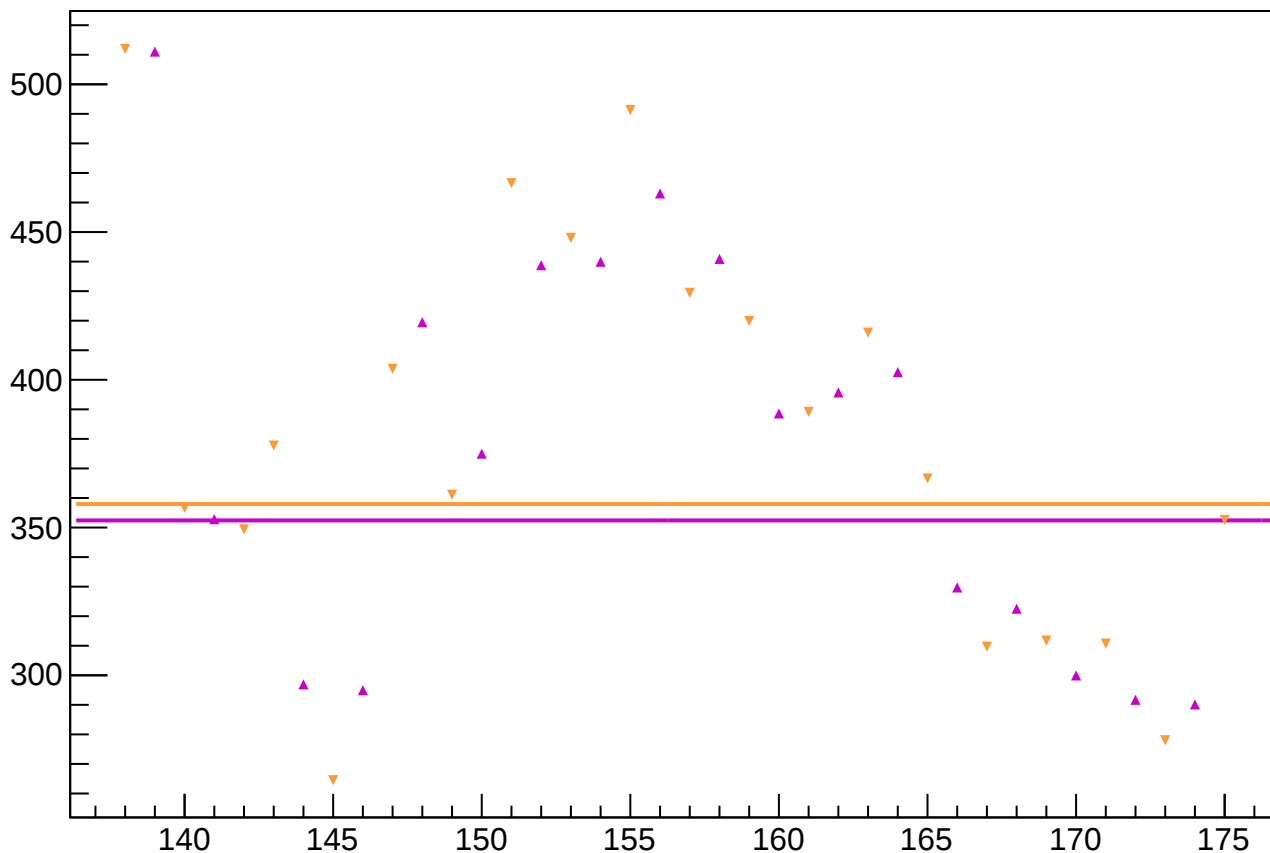
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 93.728+/-95.148 χ^2/NDF :16.2/17

Out: -483.328+/-93.789 χ^2/NDF :53.2/19

All: -198.950+/-66.794 χ^2/NDF : 88.0/37

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 357.951+/-0.066 χ^2/NDF :966076.9/19

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

Left In: 352.410+/-0.067 χ^2/NDF :868179.9/17

Left: 355.220+/-0.047 χ^2/NDF : 1837696.3/37

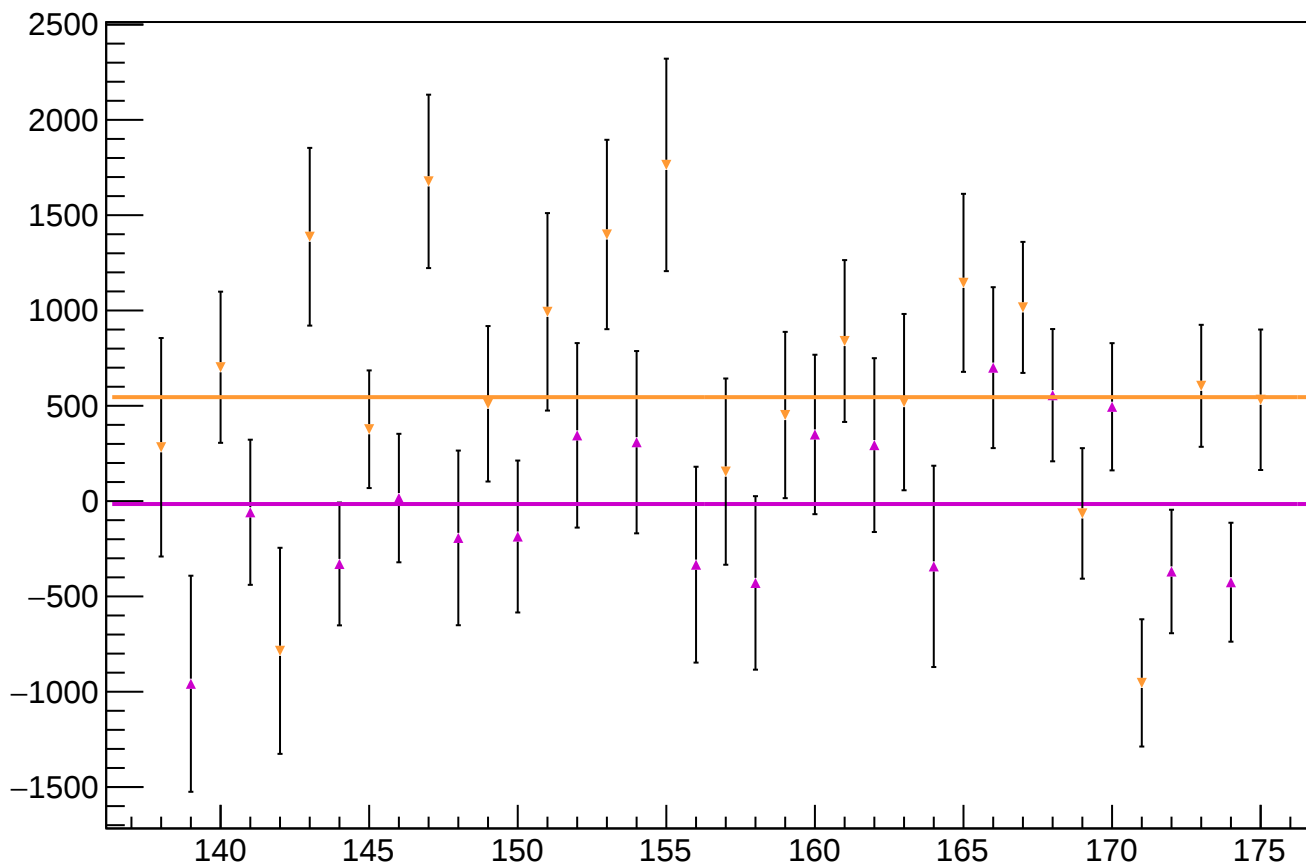
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 352.410+/-0.067 χ^2/NDF :868179.9/17

Out: 357.951+/-0.066 χ^2/NDF :966076.9/19

All: 355.220+/-0.047 χ^2/NDF : 1837696.3/37

asym_sam_1357_avg_mean vs Slug, Sign Corrected



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

Left Out: 545.368+/-92.397 χ^2/NDF :52.7/19

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

Left In: -15.304+/-93.827 χ^2/NDF :18.7/17

Left: 269.338+/-65.834 χ^2/NDF : 89.6/37

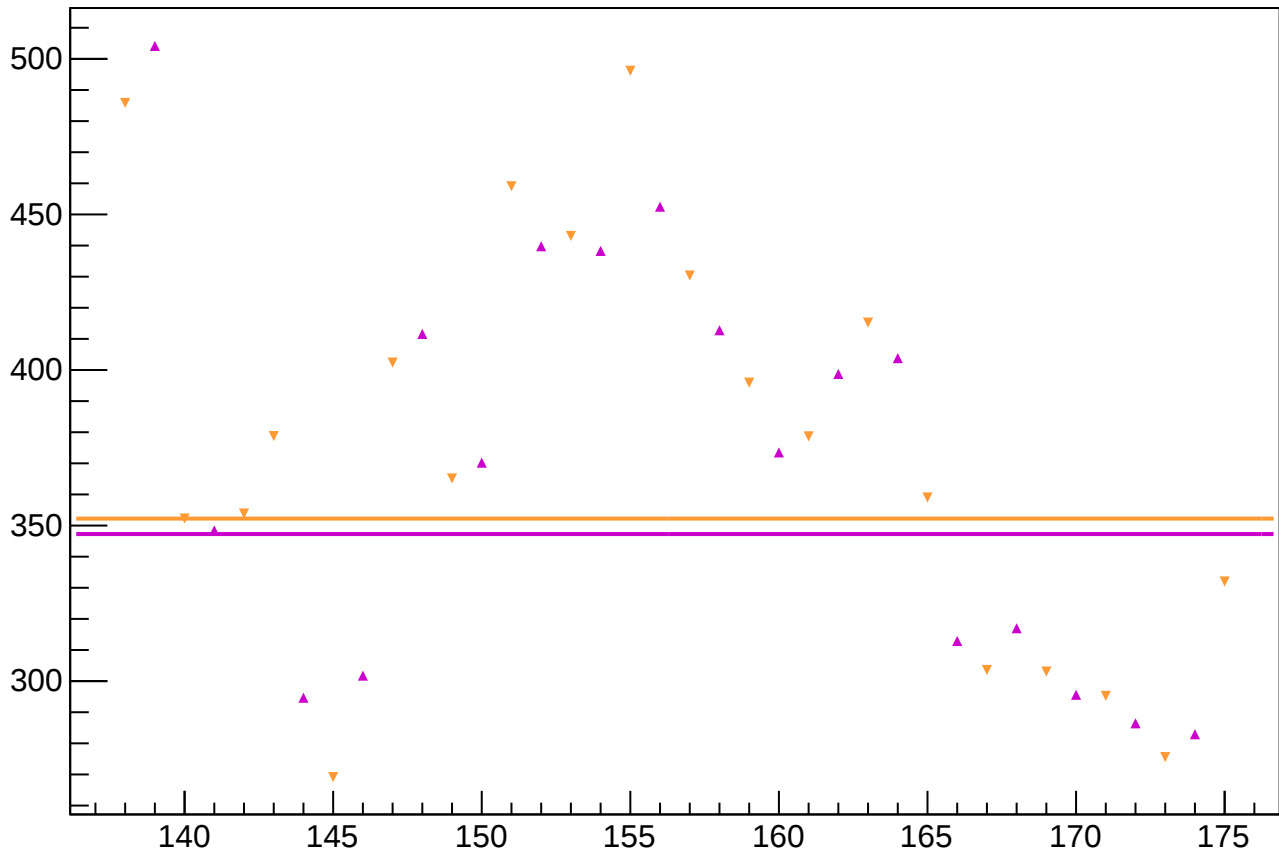
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -15.304+/-93.827 χ^2/NDF :18.7/17

Out: 545.368+/-92.397 χ^2/NDF :52.7/19

All: 269.338+/-65.834 χ^2/NDF : 89.6/37

asym_sam_1357_avg_rms vs Slug, Sign Corrected



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

Left Out: 352.242+/-0.065 χ^2/NDF :948846.0/19

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

Left In: 347.265+/-0.066 χ^2/NDF :848328.8/17

Left: 349.792+/-0.047 χ^2/NDF : 1800031.9/37

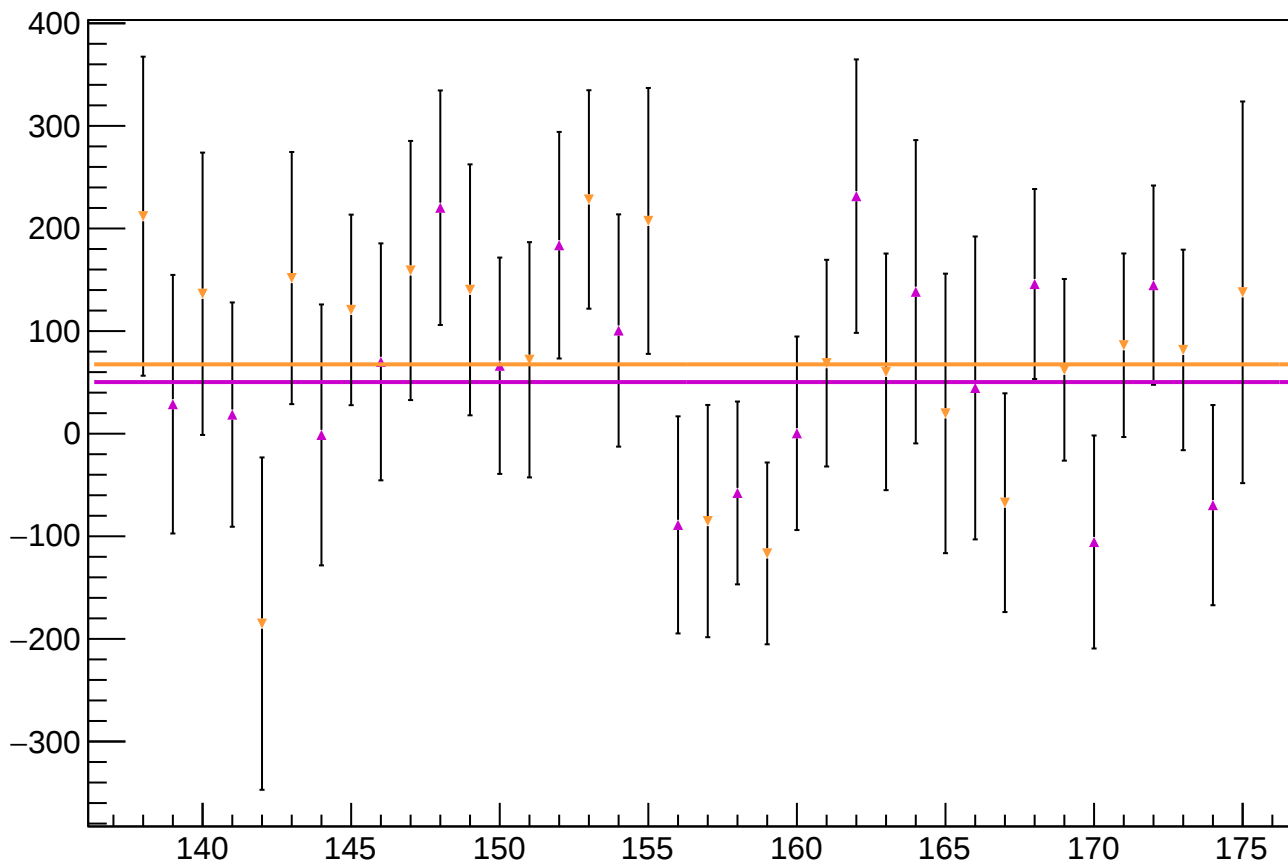
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 347.265+/-0.066 χ^2/NDF :848328.8/17

Out: 352.242+/-0.065 χ^2/NDF :948846.0/19

All: 349.792+/-0.047 χ^2/NDF : 1800031.9/37

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: 67.587 $\pm$ 25.195 χ^2 /NDF:16.7/19

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

Left In: 50.310 $\pm$ 25.765 χ^2 /NDF:15.7/17

Left: 59.141 $\pm$ 18.014 χ^2 /NDF: 32.6/37

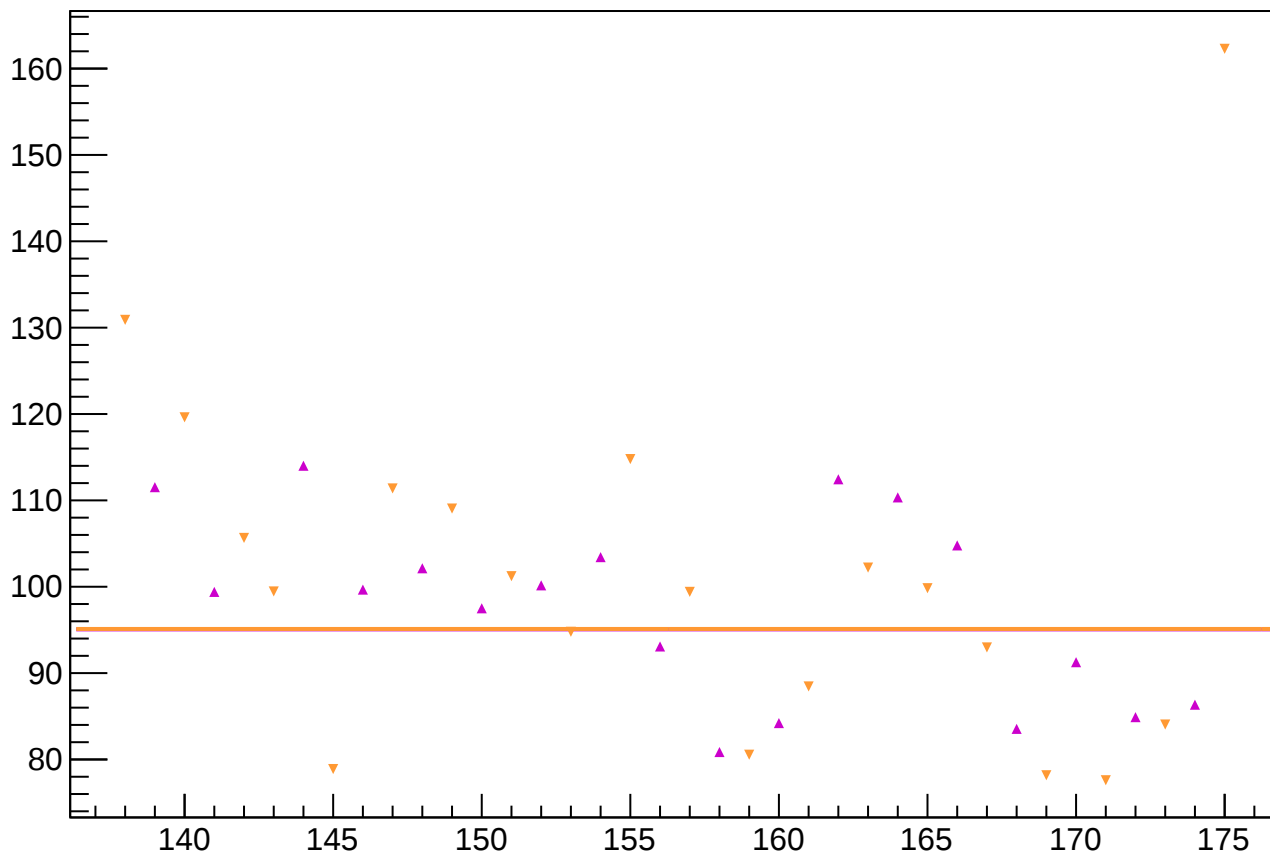
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 50.310 $\pm$ 25.765 χ^2 /NDF:15.7/17

Out: 67.587 $\pm$ 25.195 χ^2 /NDF:16.7/19

All: 59.141 $\pm$ 18.014 χ^2 /NDF: 32.6/37

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



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

Left Out: 95.112 $\pm$ 0.018 χ^2 /NDF:865347.7/19

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

Left In: 95.062 $\pm$ 0.018 χ^2 /NDF:322412.6/17

Left: 95.088 $\pm$ 0.013 χ^2 /NDF: 1187764.1/37

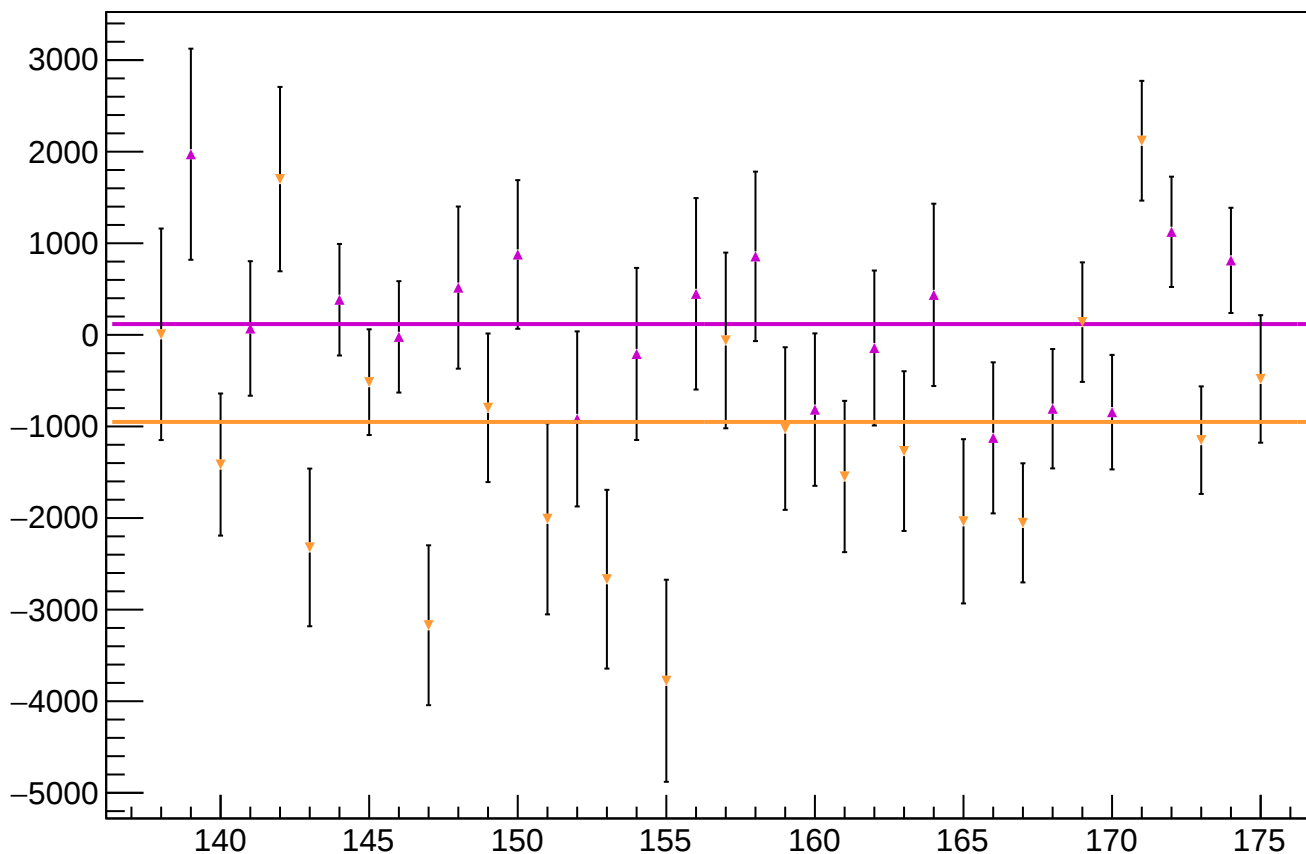
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 95.062 $\pm$ 0.018 χ^2 /NDF:322412.6/17

Out: 95.112 $\pm$ 0.018 χ^2 /NDF:865347.7/19

All: 95.088 $\pm$ 0.013 χ^2 /NDF: 1187764.1/37

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -950.625+/-177.403 χ^2/NDF : 59.5/19

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

Left In: 117.786+/-179.205 χ^2/NDF : 18.3/17

Left: -421.818+/-126.075 χ^2/NDF : 95.8/37

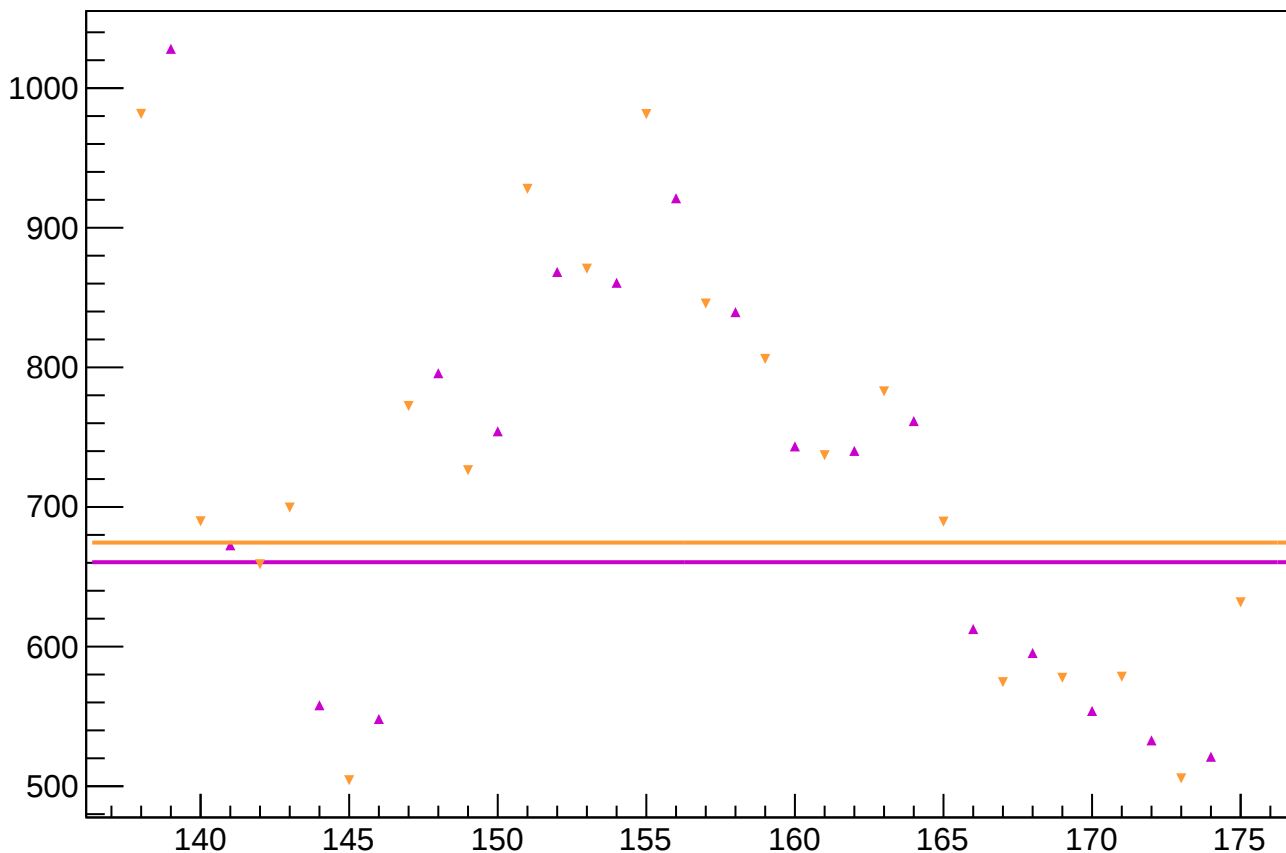
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 117.786+/-179.205 χ^2/NDF : 18.3/17

Out: -950.625+/-177.403 χ^2/NDF : 59.5/19

All: -421.818+/-126.075 χ^2/NDF : 95.8/37

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 674.508+/-0.125 χ^2/NDF :1163281.3/19

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

Left In: 660.447+/-0.127 χ^2/NDF :1137851.5/17

Left: 667.548+/-0.089 χ^2/NDF : 2307351.4/37

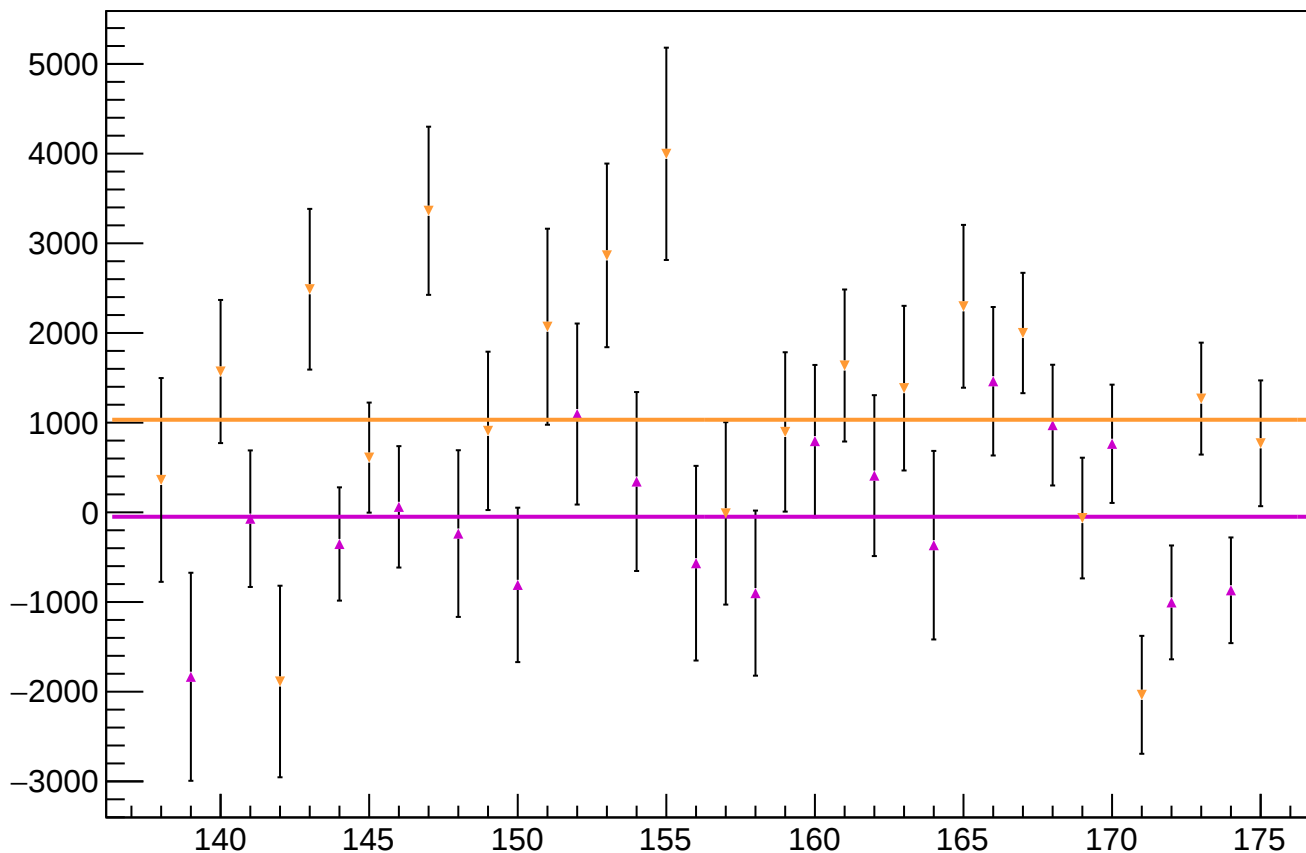
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 660.447+/-0.127 χ^2/NDF :1137851.5/17

Out: 674.508+/-0.125 χ^2/NDF :1163281.3/19

All: 667.548+/-0.089 χ^2/NDF : 2307351.4/37

asym_sam_2468_avg_mean vs Slug, Sign Corrected



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

Left Out: 1032.338+/-184.376 χ^2/NDF :58.4/19

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

Left In: -49.221+/-187.186 χ^2/NDF :18.7/17

Left: 499.738+/-131.356 χ^2/NDF : 94.0/37

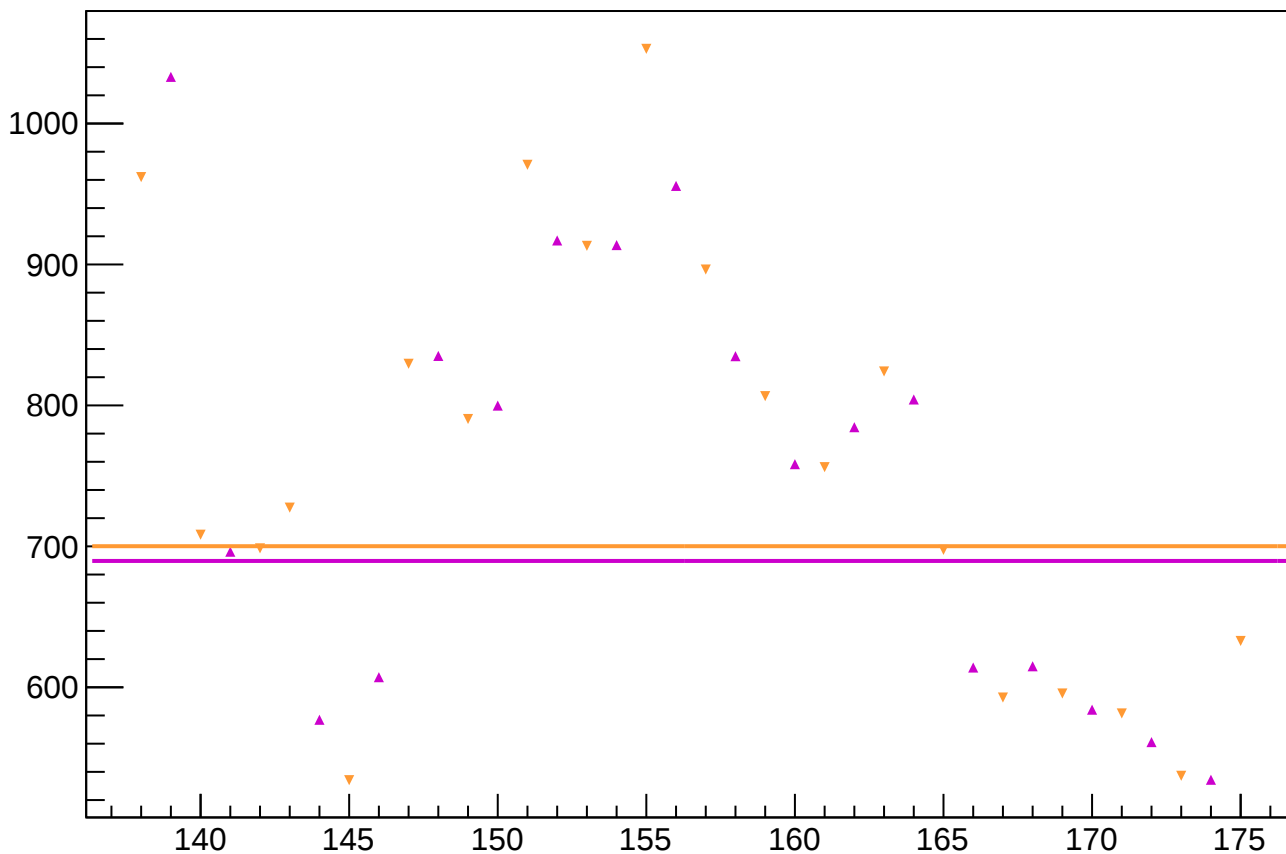
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -49.221+/-187.186 χ^2/NDF :18.7/17

Out: 1032.338+/-184.376 χ^2/NDF :58.4/19

All: 499.738+/-131.356 χ^2/NDF : 94.0/37

asym_sam_2468_avg_rms vs Slug, Sign Corrected



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

Left Out: 700.106+/-0.130 χ^2/NDF :1168357.9/19

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

Left In: 689.647+/-0.132 χ^2/NDF :1095611.5/17

Left: 694.956+/-0.093 χ^2/NDF : 2267138.5/37

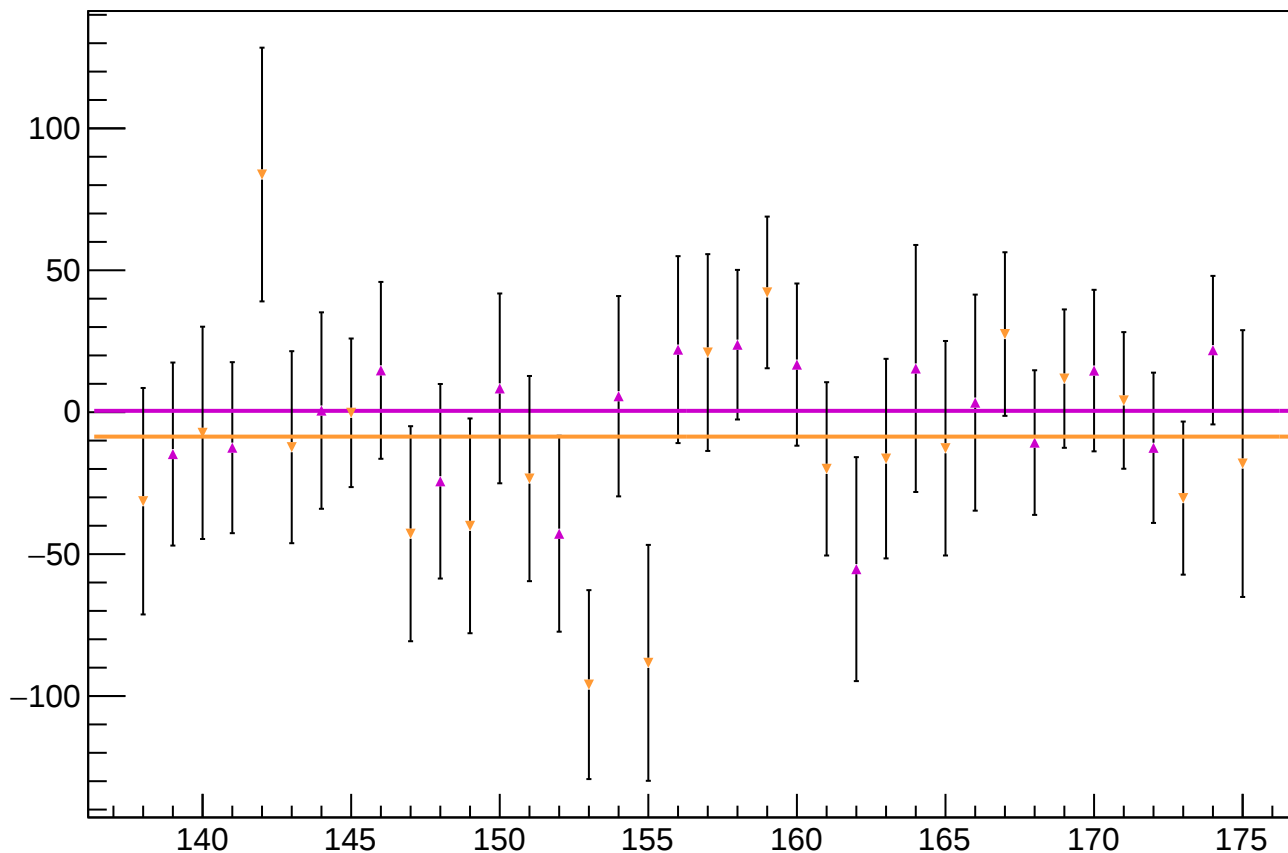
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 689.647+/-0.132 χ^2/NDF :1095611.5/17

Out: 700.106+/-0.130 χ^2/NDF :1168357.9/19

All: 694.956+/-0.093 χ^2/NDF : 2267138.5/37

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: -8.599+/-7.240 χ^2/NDF :24.7/19

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

Left In: 0.480+/-7.366 χ^2/NDF :7.8/17

Left: -4.138+/-5.164 χ^2/NDF : 33.3/37

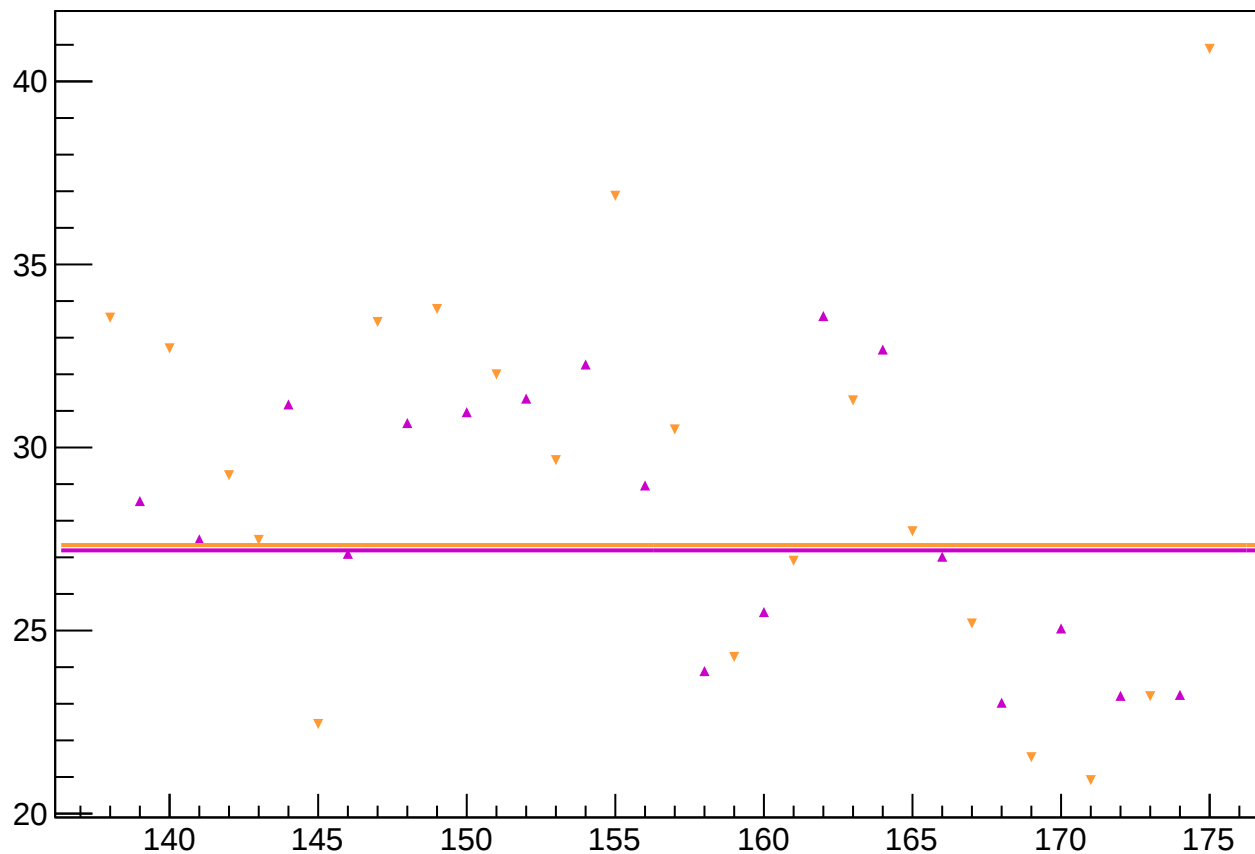
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.480+/-7.366 χ^2/NDF :7.8/17

Out: -8.599+/-7.240 χ^2/NDF :24.7/19

All: -4.138+/-5.164 χ^2/NDF : 33.3/37

dit_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



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

Left Out: 27.336 $\pm$ 0.005 χ^2 /NDF:969716.0/19

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

Left In: 27.190 $\pm$ 0.005 χ^2 /NDF:430284.6/17

Left: 27.264 $\pm$ 0.004 χ^2 /NDF: 1400400.8/37

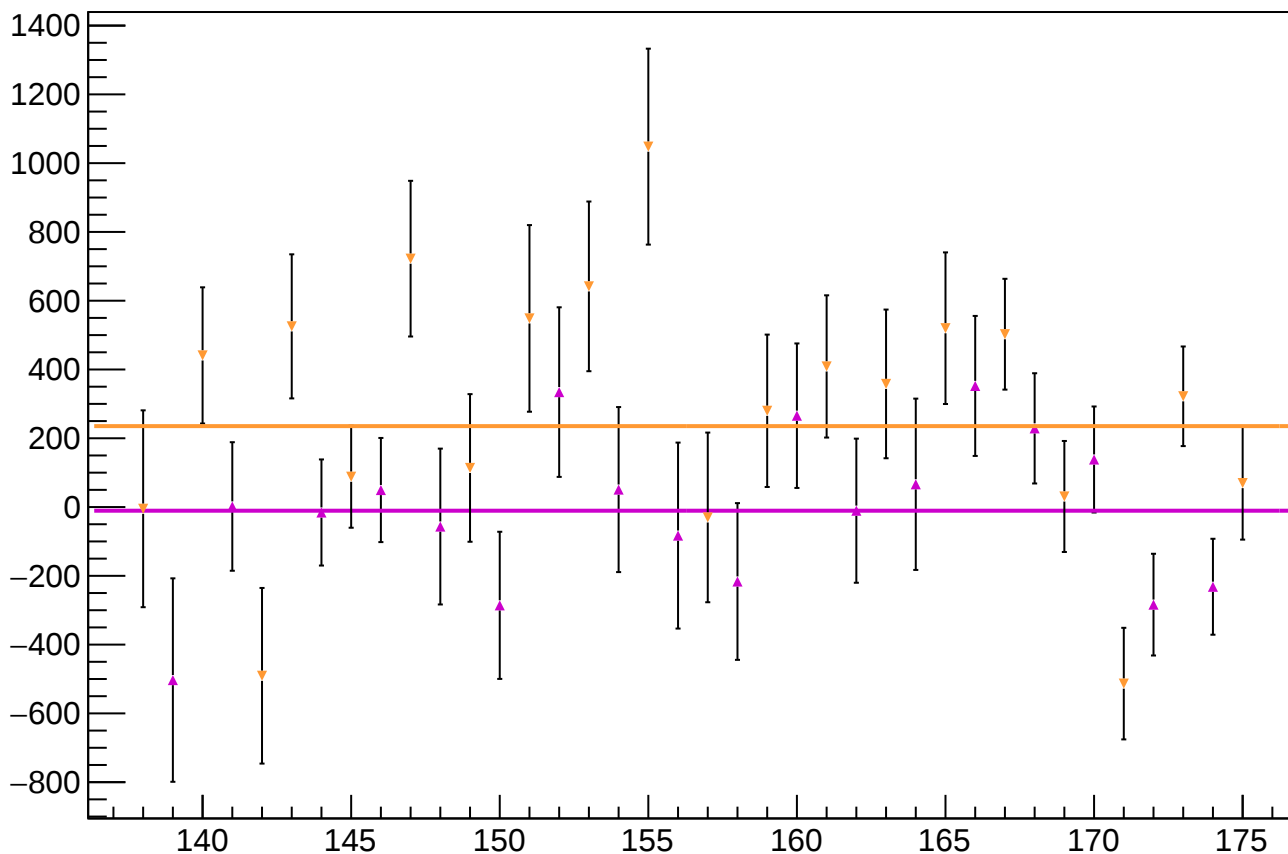
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 27.190 $\pm$ 0.005 χ^2 /NDF:430284.6/17

Out: 27.336 $\pm$ 0.005 χ^2 /NDF:969716.0/19

All: 27.264 $\pm$ 0.004 χ^2 /NDF: 1400400.8/37

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: 235.334+/-44.430 χ^2/NDF :60.8/19

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

Left In: -10.631+/-44.830 χ^2/NDF :21.6/17

Left: 113.455+/-31.557 χ^2/NDF : 97.6/37

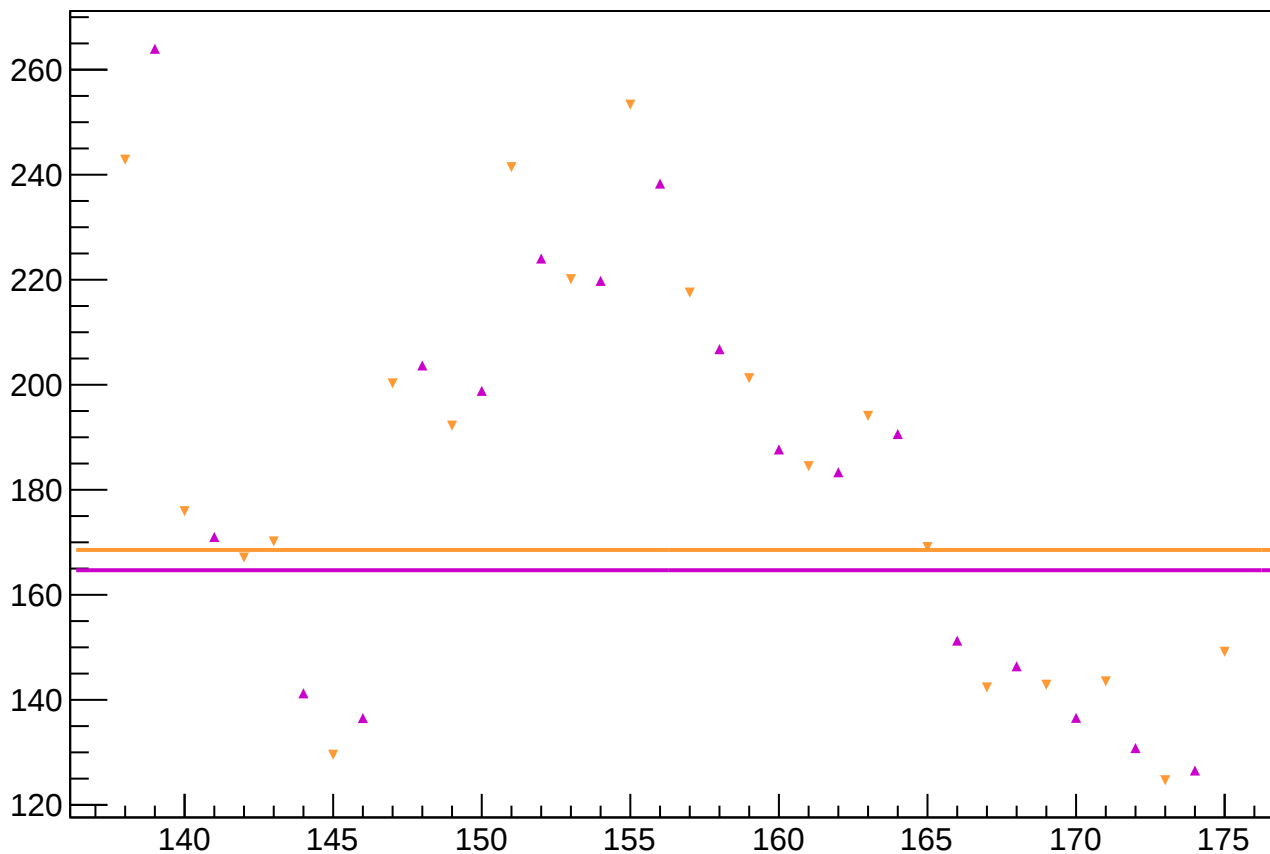
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -10.631+/-44.830 χ^2/NDF :21.6/17

Out: 235.334+/-44.430 χ^2/NDF :60.8/19

All: 113.455+/-31.557 χ^2/NDF : 97.6/37

asym_sam_1357_2468_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 168.546 $\pm$ 0.031 χ^2/NDF :1272982.2/19

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

Left In: 164.683 $\pm$ 0.032 χ^2/NDF :1308061.3/17

Left: 166.632 $\pm$ 0.022 χ^2/NDF : 2588535.2/37

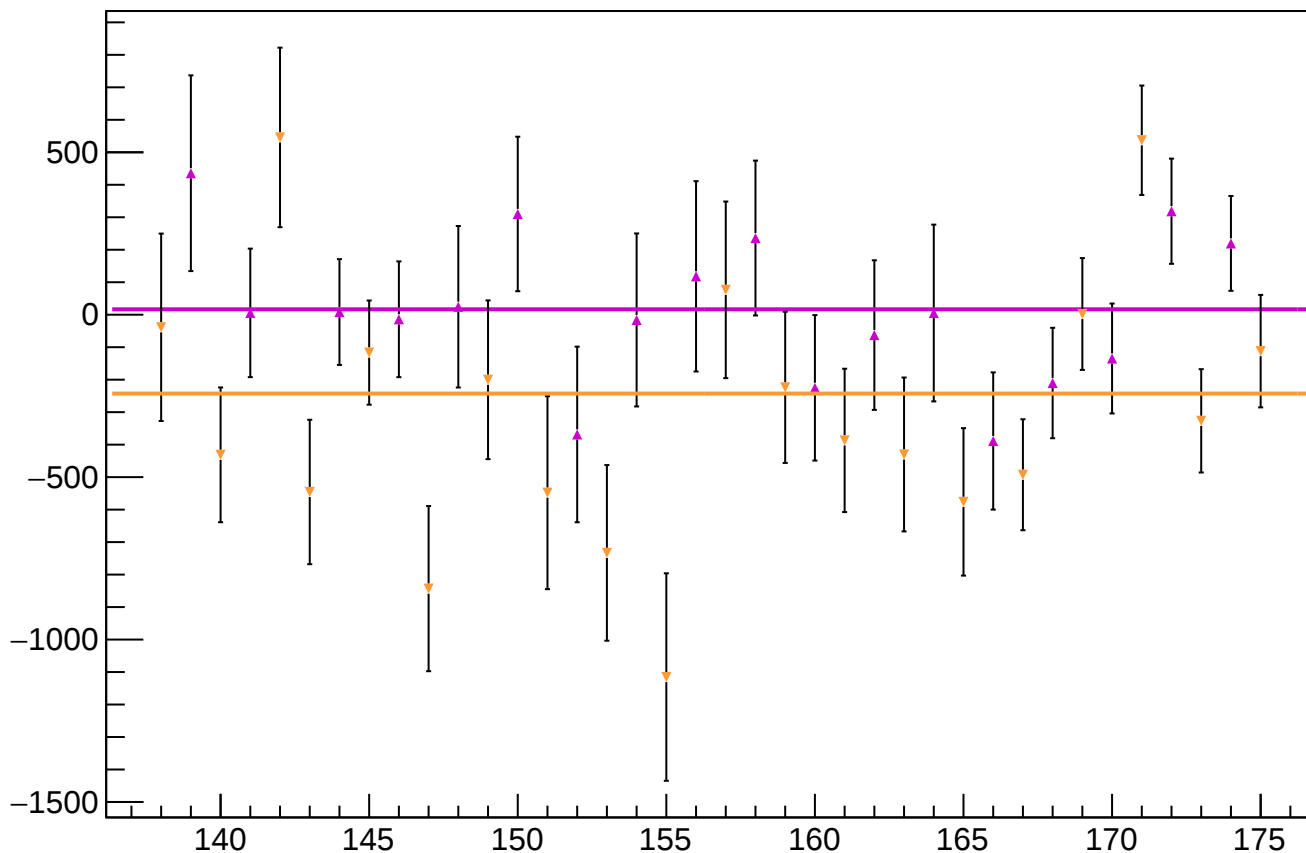
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 164.683 $\pm$ 0.032 χ^2/NDF :1308061.3/17

Out: 168.546 $\pm$ 0.031 χ^2/NDF :1272982.2/19

All: 166.632 $\pm$ 0.022 χ^2/NDF : 2588535.2/37

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: -242.730 $\pm$ 47.645 χ^2 /NDF:60.4/19

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

Left In: 16.669 $\pm$ 48.449 χ^2 /NDF:19.5/17

Left: -115.201 $\pm$ 33.971 χ^2 /NDF: 94.5/37

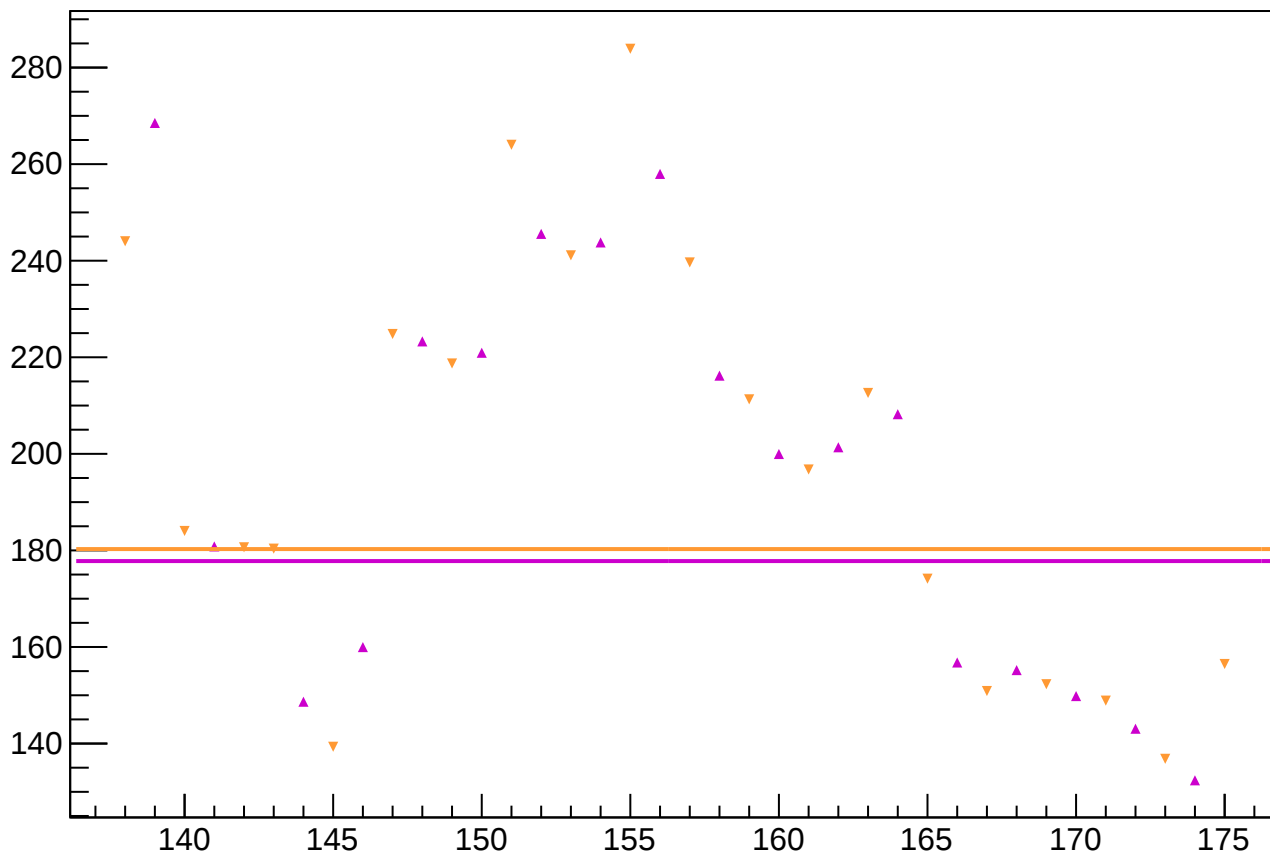
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 16.669 $\pm$ 48.449 χ^2 /NDF:19.5/17

Out: -242.730 $\pm$ 47.645 χ^2 /NDF:60.4/19

All: -115.201 $\pm$ 33.971 χ^2 /NDF: 94.5/37

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



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

Left Out: 180.277+/-0.034 χ^2/NDF :1359826.5/19

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

Left In: 177.792+/-0.034 χ^2/NDF :1309685.1/17

Left: 179.056+/-0.024 χ^2/NDF : 2672186.1/37

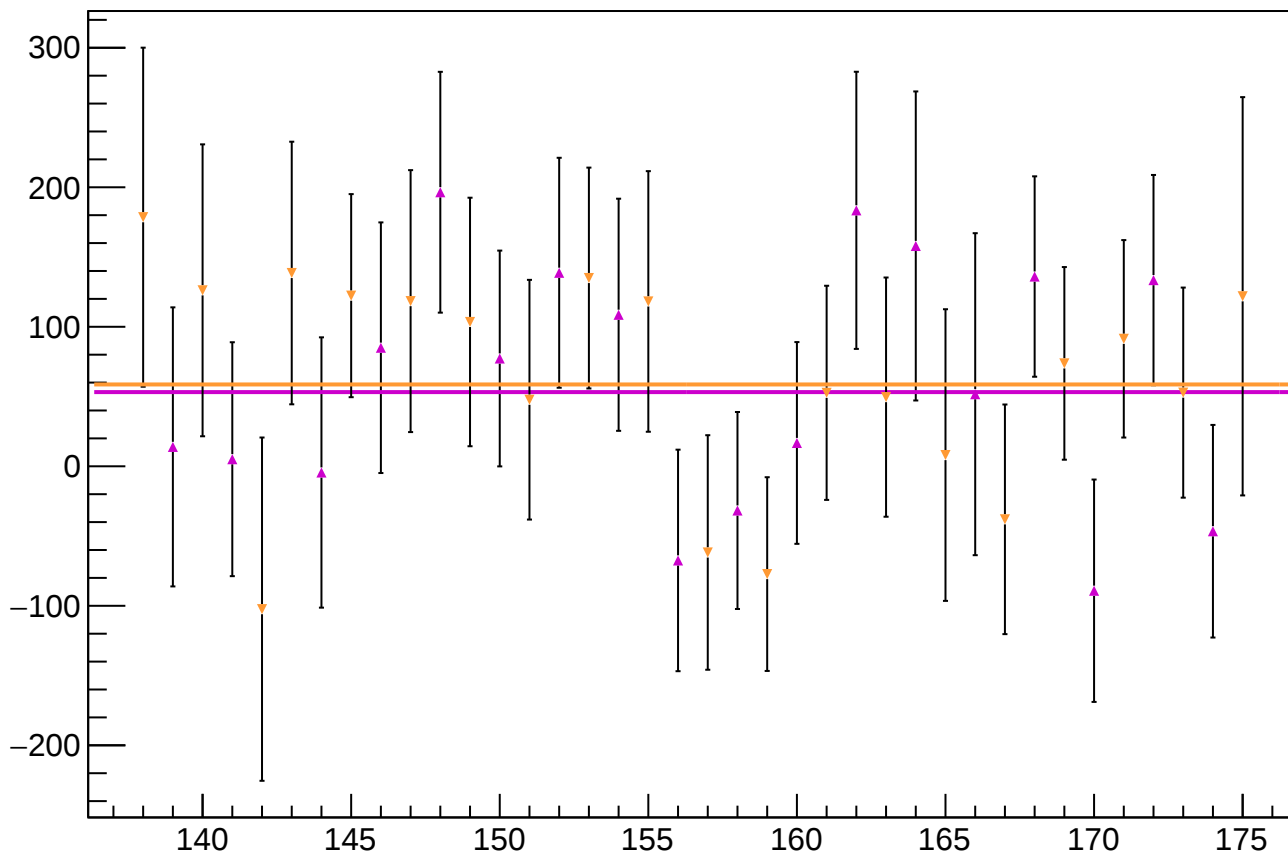
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 177.792+/-0.034 χ^2/NDF :1309685.1/17

Out: 180.277+/-0.034 χ^2/NDF :1359826.5/19

All: 179.056+/-0.024 χ^2/NDF : 2672186.1/37

dit_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



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

Left Out: 58.658+/-19.228 χ^2/NDF :14.6/19

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

Left In: 53.180+/-19.711 χ^2/NDF :19.3/17

Left: 55.987+/-13.764 χ^2/NDF : 33.9/37

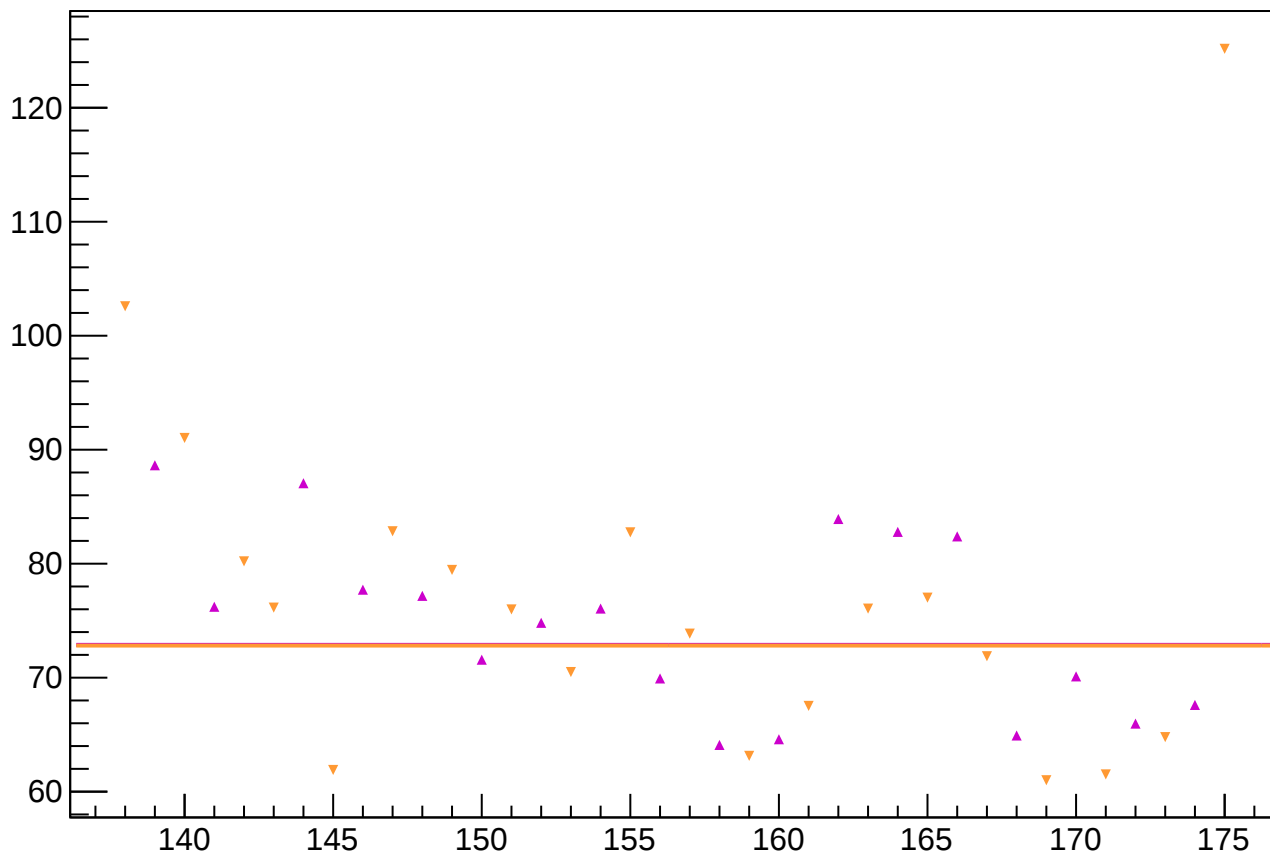
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 53.180+/-19.711 χ^2/NDF :19.3/17

Out: 58.658+/-19.228 χ^2/NDF :14.6/19

All: 55.987+/-13.764 χ^2/NDF : 33.9/37

dit_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



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

Left Out: 72.818+/-0.014 χ^2/NDF : 752687.9/19

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

Left In: 72.877+/-0.014 χ^2/NDF : 278567.1/17

Left: 72.847+/-0.010 χ^2/NDF : 1031264.3/37

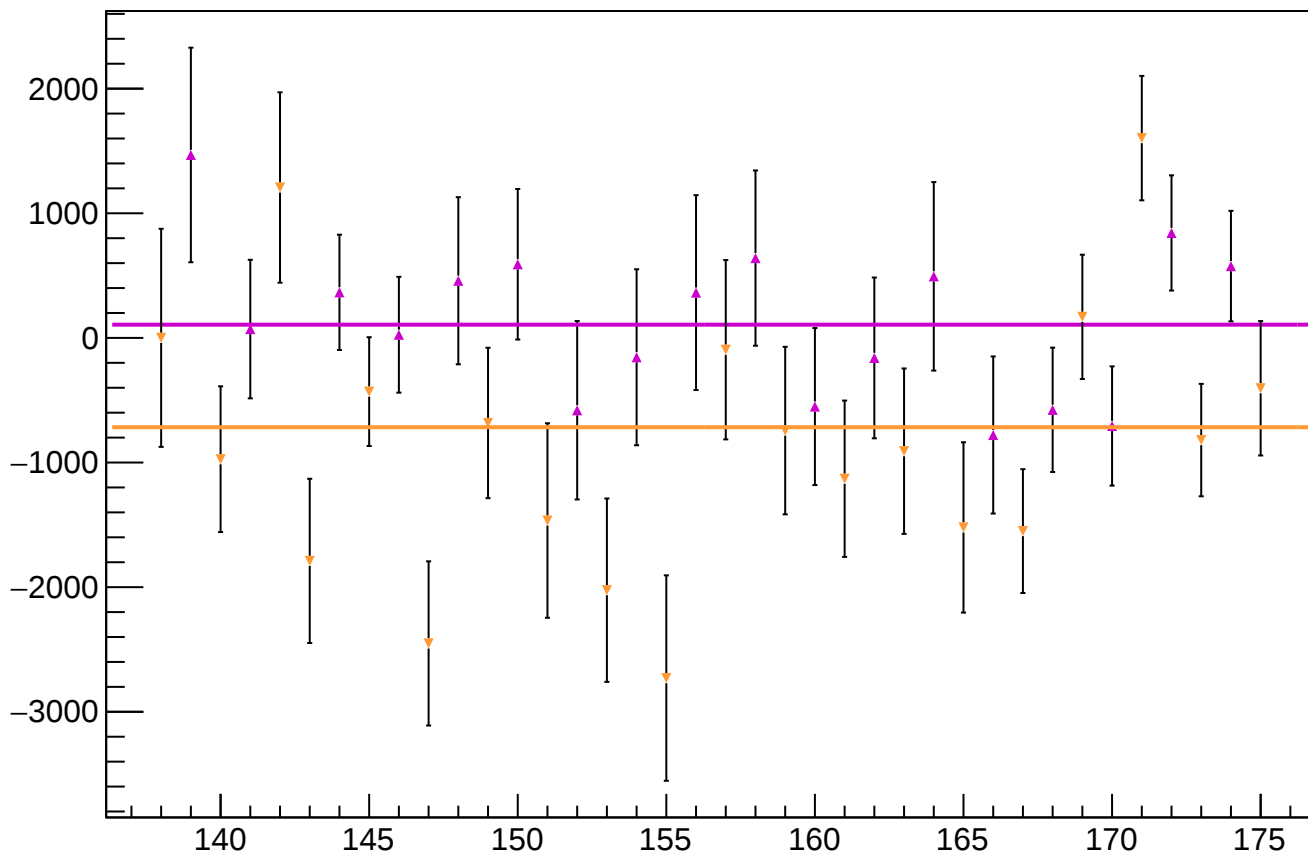
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 72.877+/-0.014 χ^2/NDF : 278567.1/17

Out: 72.818+/-0.014 χ^2/NDF : 752687.9/19

All: 72.847+/-0.010 χ^2/NDF : 1031264.3/37

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -716.627+/-134.777 χ^2/NDF :57.9/19

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

Left In: 106.222+/-136.315 χ^2/NDF :17.4/17

Left: -309.871+/-95.841 χ^2/NDF : 93.7/37

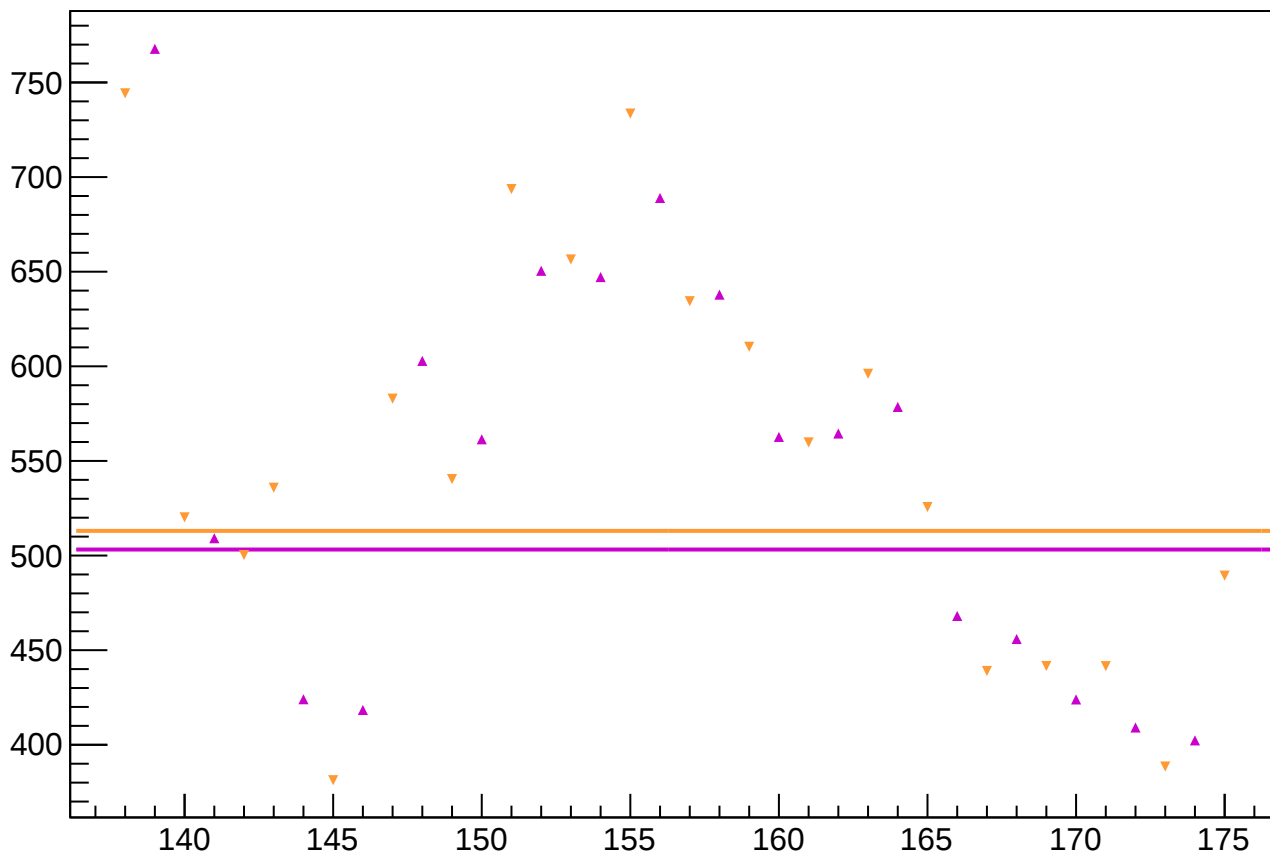
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 106.222+/-136.315 χ^2/NDF :17.4/17

Out: -716.627+/-134.777 χ^2/NDF :57.9/19

All: -309.871+/-95.841 χ^2/NDF : 93.7/37

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 513.046+/-0.095 χ^2/NDF :1102906.1/19

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

Left In: 503.181+/-0.096 χ^2/NDF :1052293.8/17

Left: 508.169+/-0.068 χ^2/NDF : 2160496.6/37

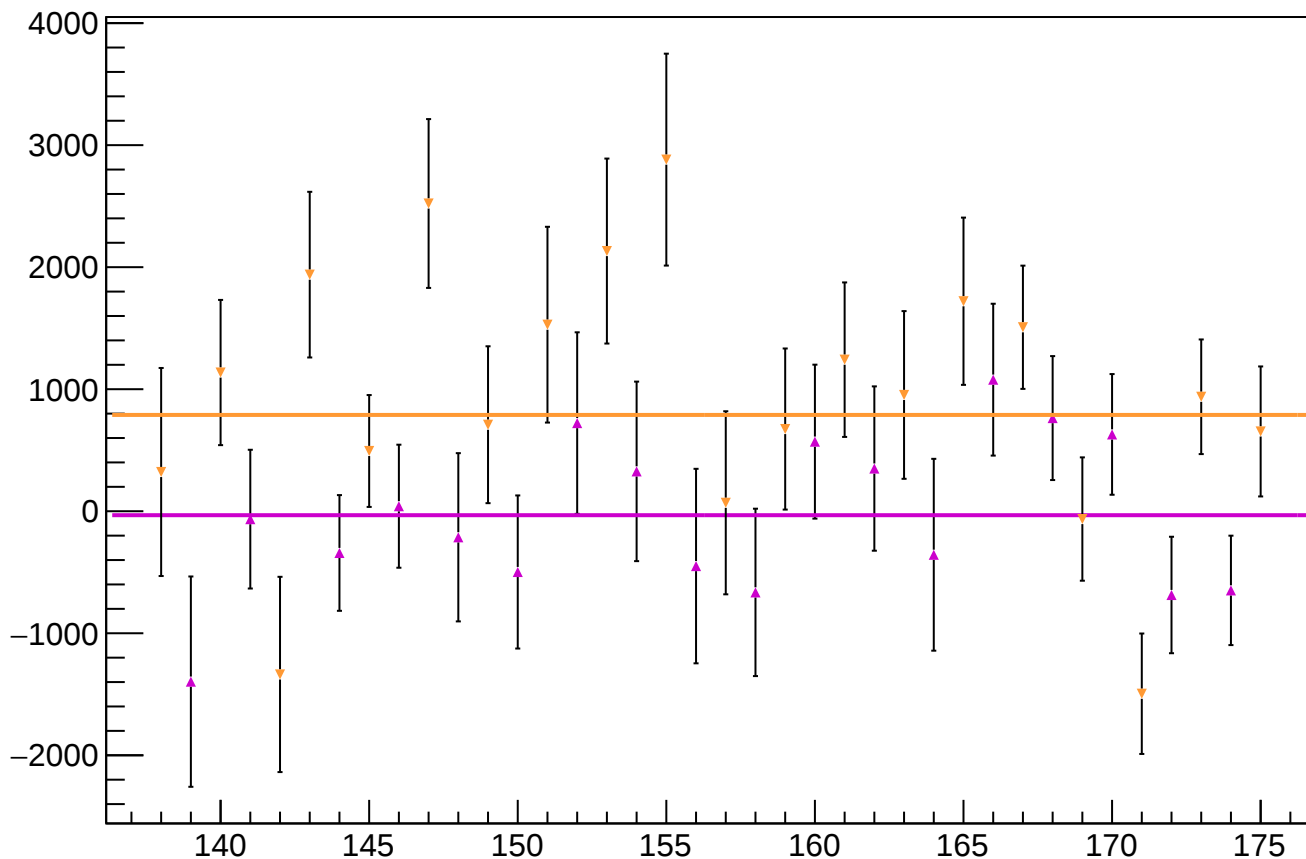
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 503.181+/-0.096 χ^2/NDF :1052293.8/17

Out: 513.046+/-0.095 χ^2/NDF :1102906.1/19

All: 508.169+/-0.068 χ^2/NDF : 2160496.6/37

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



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

Left Out: 789.187+/-137.835 χ^2/NDF :56.9/19

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

Left In: -32.503+/-139.923 χ^2/NDF :18.6/17

Left: 384.520+/-98.194 χ^2/NDF : 93.0/37

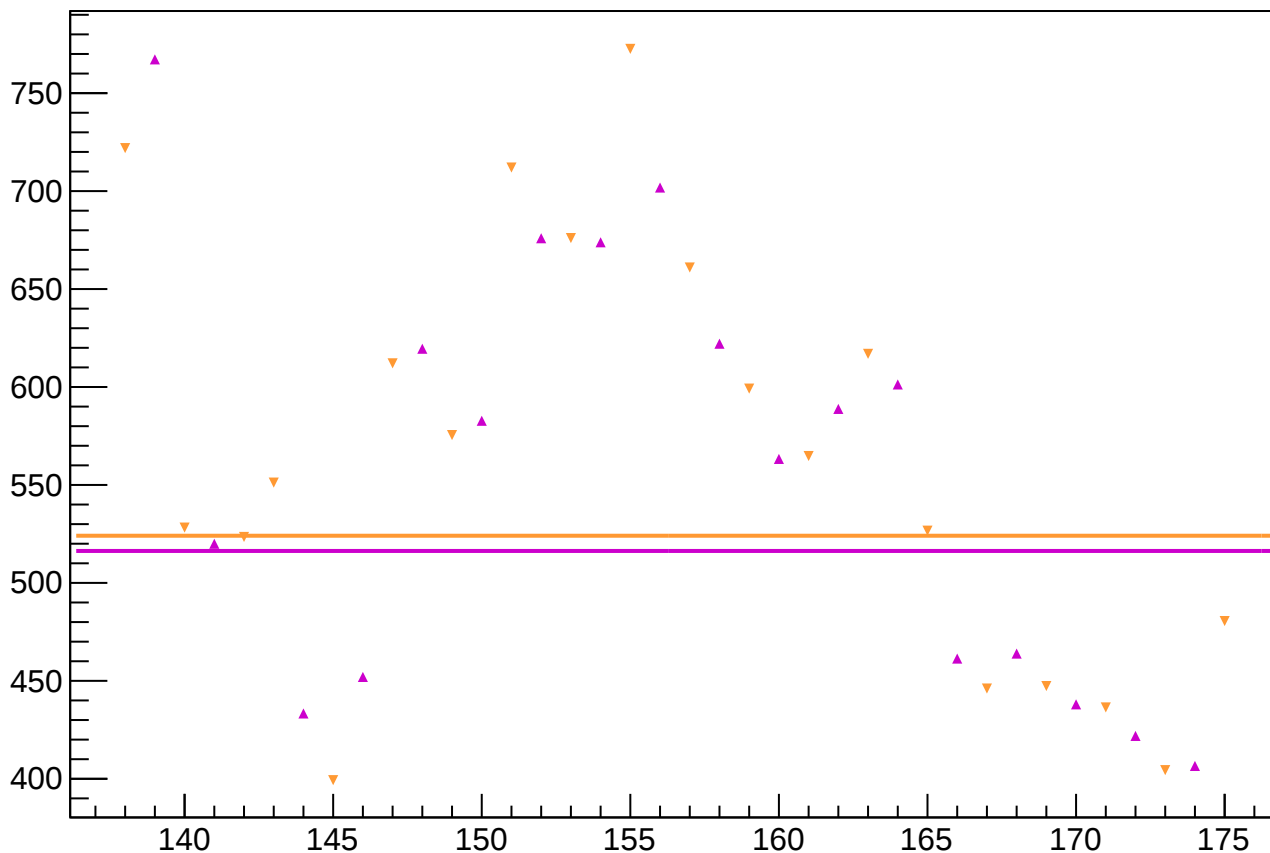
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -32.503+/-139.923 χ^2/NDF :18.6/17

Out: 789.187+/-137.835 χ^2/NDF :56.9/19

All: 384.520+/-98.194 χ^2/NDF : 93.0/37

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



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

Left Out: 524.078+/-0.097 χ^2/NDF :1095810.9/19

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

Left In: 516.305+/-0.099 χ^2/NDF :1013350.1/17

Left: 520.250+/-0.069 χ^2/NDF : 2112293.6/37

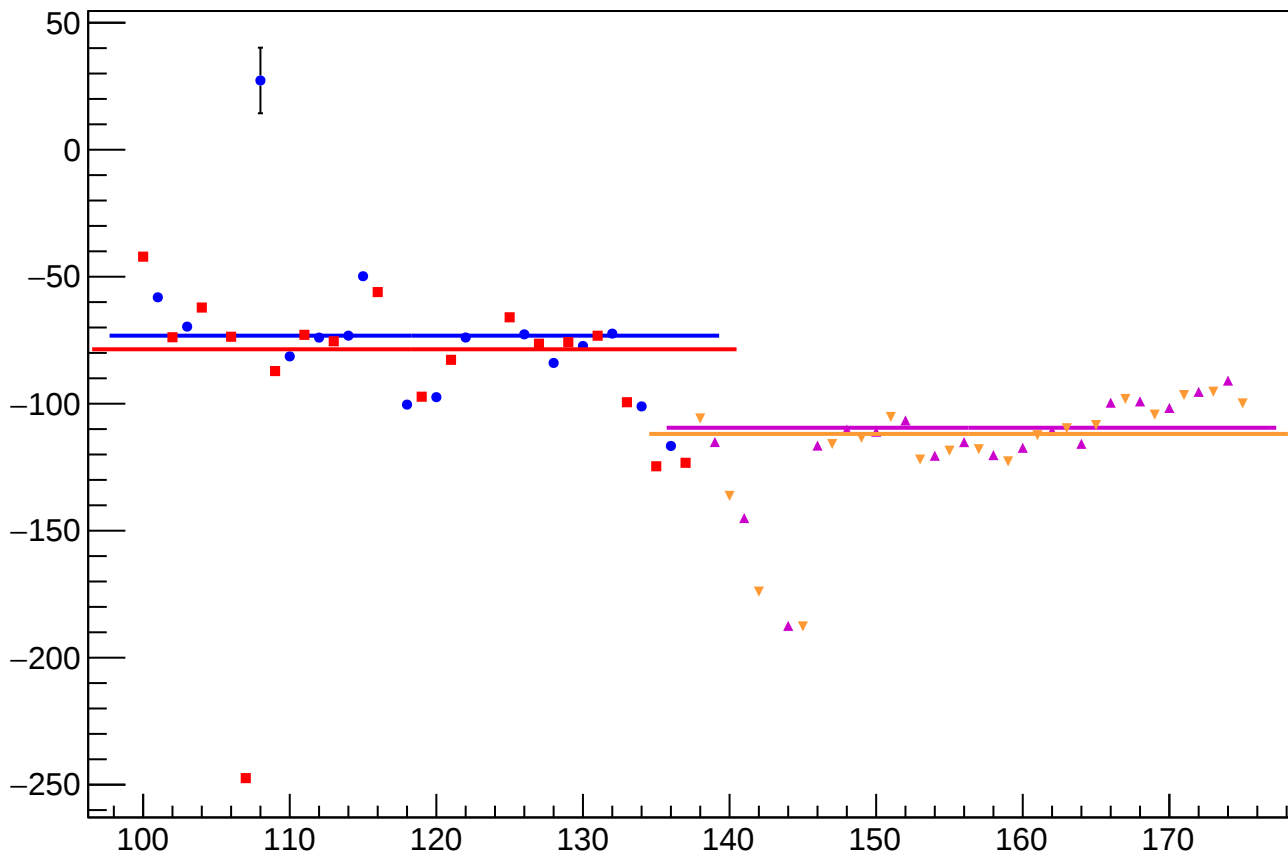
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 516.305+/-0.099 χ^2/NDF :1013350.1/17

Out: 524.078+/-0.097 χ^2/NDF :1095810.9/19

All: 520.250+/-0.069 χ^2/NDF : 2112293.6/37

dit_usl_4aX_slope vs Slug, Sign Corrected



Right In: -73.209 ± 0.000 $\chi^2/\text{NDF}: 127655.5/15$

Left Out: -111.893 ± 0.059 $\chi^2/\text{NDF}: 49197.7/18$

Right Out: -78.570 ± 0.093 $\chi^2/\text{NDF}: 52084.9/17$

Left In: -109.466 ± 0.053 $\chi^2/\text{NDF}: 99894.9/17$

Left: -110.532 ± 0.039 $\chi^2/\text{NDF}: 150031.8/36$

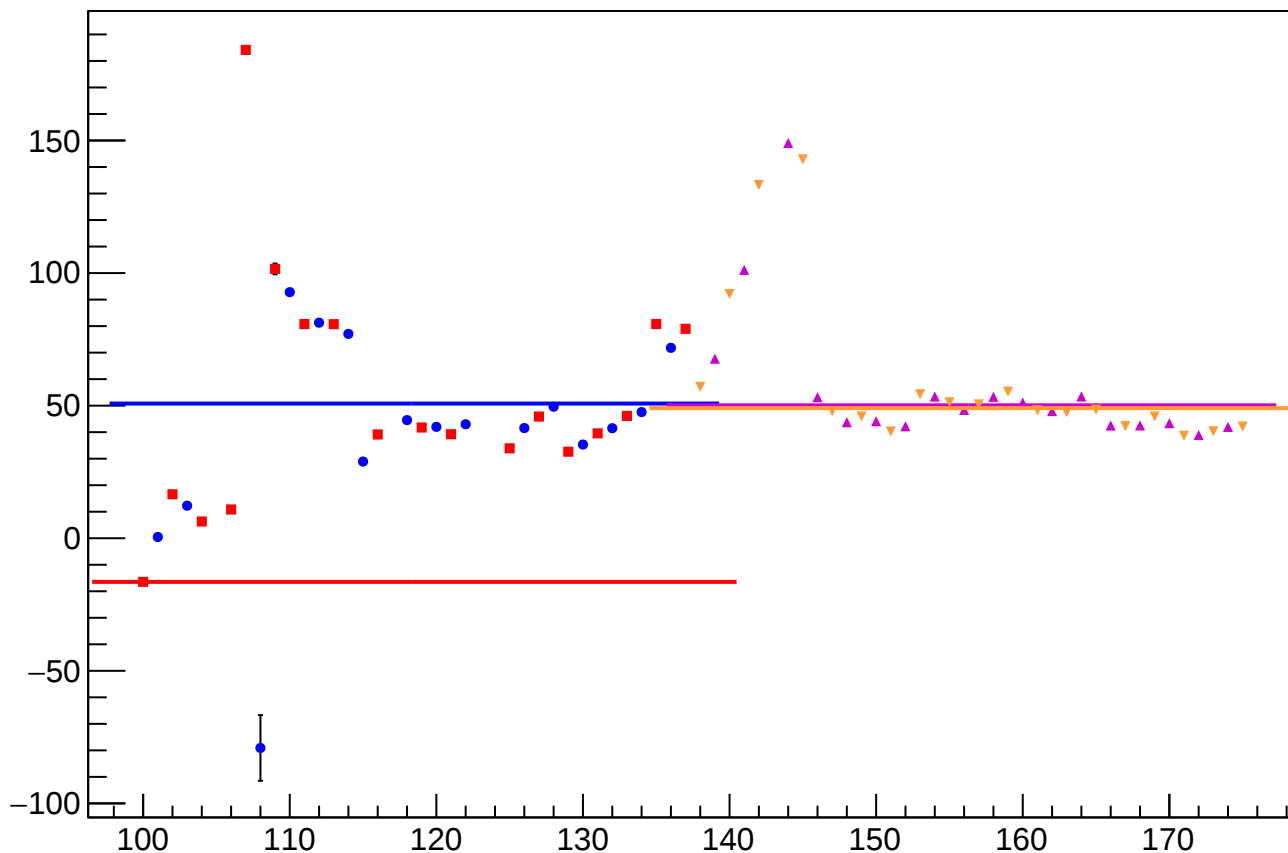
Right: -73.209 ± 0.000 $\chi^2/\text{NDF}: 183067.5/33$

In: -73.209 ± 0.000 $\chi^2/\text{NDF}: 704414.8/33$

Out: -102.254 ± 0.050 $\chi^2/\text{NDF}: 192663.4/36$

All: -73.209 ± 0.000 $\chi^2/\text{NDF}: 1234747.6/70$

dit_usl_4eX_slope vs Slug, Sign Corrected



Right In: 50.796 $\pm$ 0.074 χ^2 /NDF: 89943.6/15

Left Out: 49.074 $\pm$ 0.049 χ^2 /NDF: 54596.7/18

Right Out: -16.452 $\pm$ 0.000 χ^2 /NDF: 455268.5/17

Left In: 50.123 $\pm$ 0.046 χ^2 /NDF: 133580.9/17

Left: 49.630 $\pm$ 0.033 χ^2 /NDF: 188422.9/36

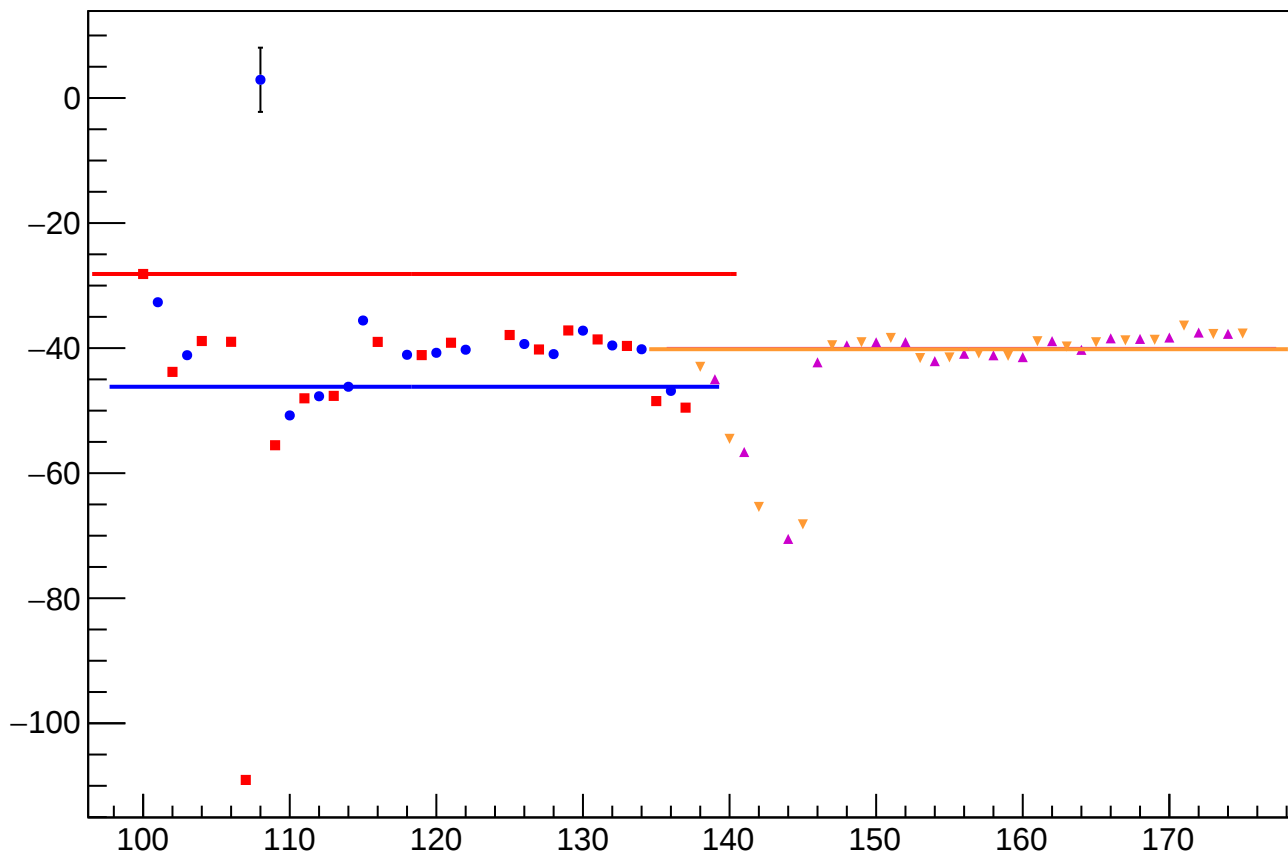
Right: -16.452 $\pm$ 0.000 χ^2 /NDF: 1366073.0/33

In: 50.309 $\pm$ 0.039 χ^2 /NDF: 223583.9/33

Out: -16.452 $\pm$ 0.000 χ^2 /NDF: 2313315.5/36

All: -16.452 $\pm$ 0.000 χ^2 /NDF: 5459945.8/70

dit_usl_11X12X_slope vs Slug, Sign Corrected



Right In: -46.180+/-0.000 χ^2/NDF : 472878.7/15

Left Out: -40.174+/-0.007 χ^2/NDF : 121352.1/18

Right Out: -28.144+/-0.000 χ^2/NDF : 717935.6/17

Left In: -40.126+/-0.008 χ^2/NDF : 181169.4/17

Left: -40.153+/-0.005 χ^2/NDF : 302541.8/36

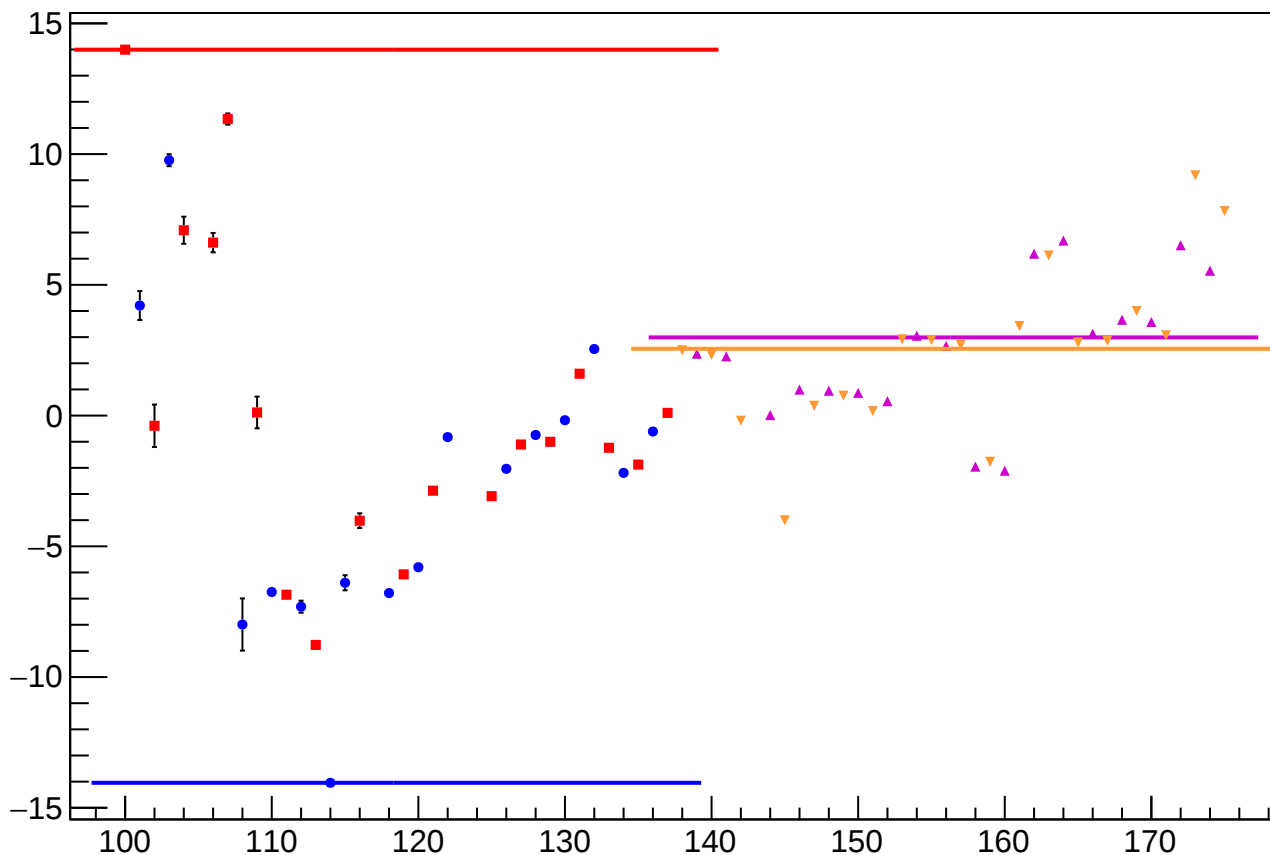
Right: -33.813+/-0.000 χ^2/NDF : 539977182263583

In: -46.180+/-0.000 χ^2/NDF : 1235904.5/33

Out: -28.144+/-0.000 χ^2/NDF : 3750636.1/36

All: -33.813+/-0.000 χ^2/NDF : 539977182263

dit_usl_4aY_slope vs Slug, Sign Corrected



Right In: -14.044 ± 0.000 χ^2/NDF : 759846.3/15

Left Out: 2.555 ± 0.008 χ^2/NDF : 100790.9/18

Right Out: 13.994 ± 0.000 χ^2/NDF : 389892.9/17

Left In: 2.989 ± 0.007 χ^2/NDF : 153518.9/17

Left: 2.814 ± 0.005 χ^2/NDF : 256074.1/36

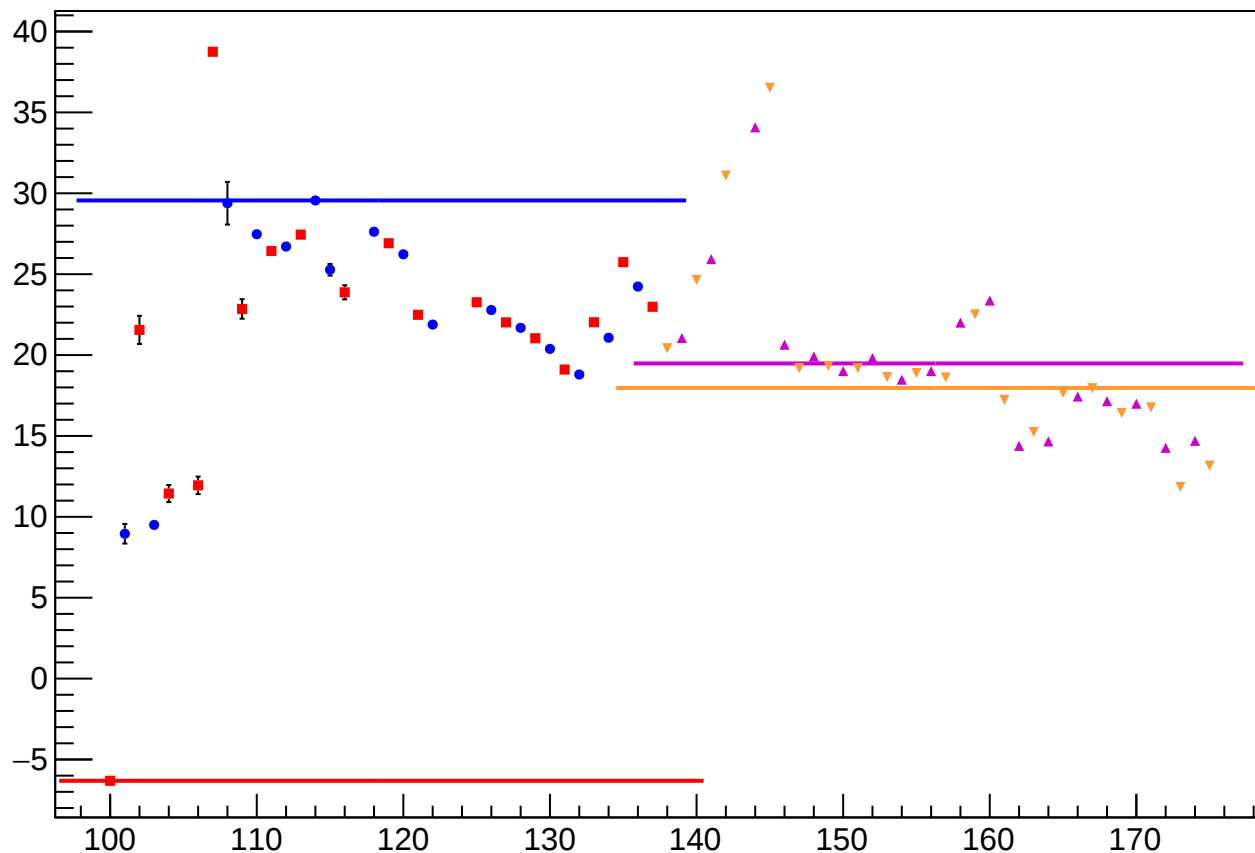
Right: 5.182 ± 0.000 χ^2/NDF : 46979633245184581

In: -14.044 ± 0.000 χ^2/NDF : 7646107.8/33

Out: 13.994 ± 0.000 χ^2/NDF : 2535752.6/36

All: 5.182 ± 0.000 χ^2/NDF : 46979633245184581

dit_usl_4eY_slope vs Slug, Sign Corrected



Right In: 29.557+/-0.000 χ^2/NDF : 88755.1/15

Left Out: 17.966+/-0.008 χ^2/NDF : 99603.0/18

Right Out: -6.317+/-0.000 χ^2/NDF : 1630502.4/17

Left In: 19.481+/-0.008 χ^2/NDF : 117128.6/17

Left: 18.739+/-0.006 χ^2/NDF : 234511.2/36

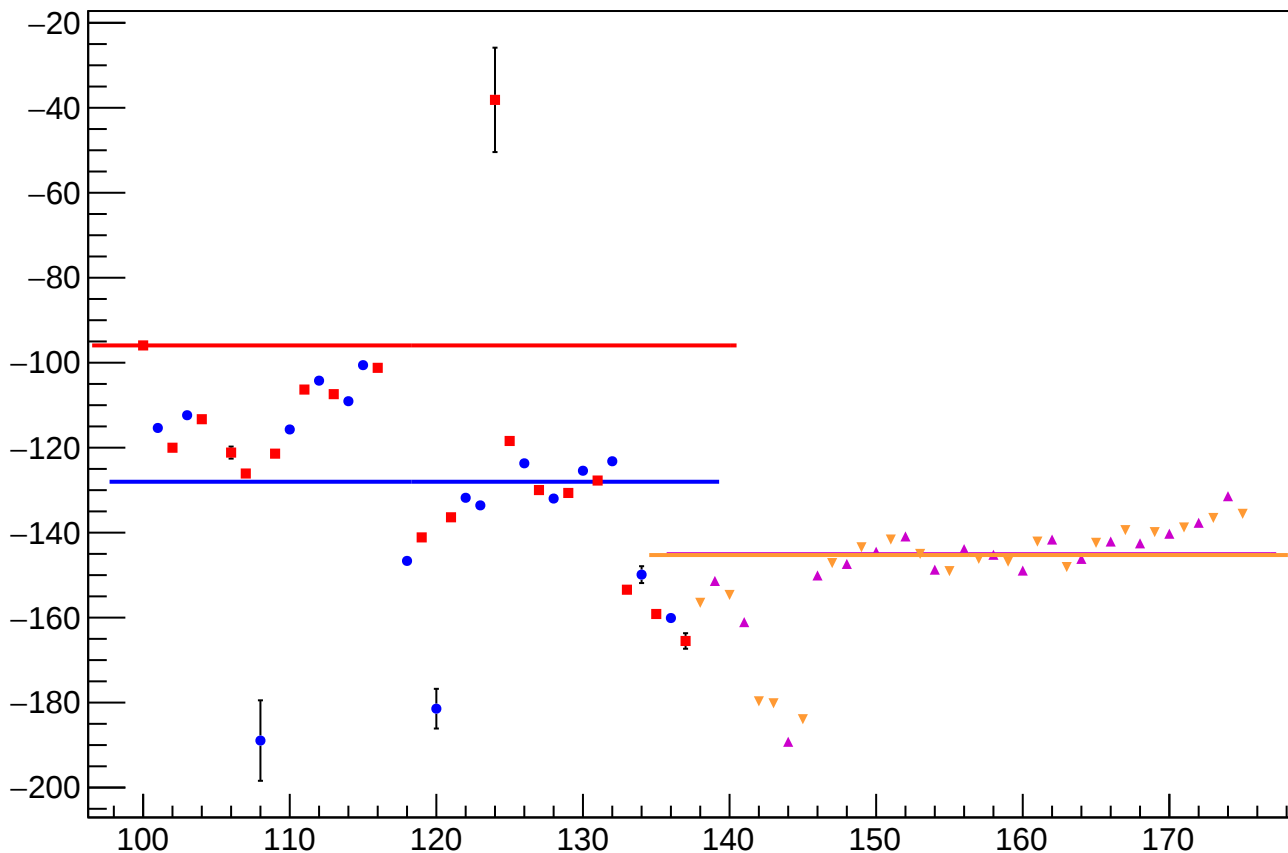
Right: -2.629+/-0.000 χ^2/NDF : 1006300357398160

In: 29.557+/-0.000 χ^2/NDF : 1813840.6/33

Out: -6.317+/-0.000 χ^2/NDF : 10678180.6/36

All: -2.629+/-0.000 χ^2/NDF : 1006300357398

dit_usr_4aX_slope vs Slug, Sign Corrected



Right In: -128.021+/-0.098 χ^2/NDF : 38162.5/16

Left Out: -145.272+/-0.048 χ^2/NDF : 40838.1/19

Right Out: -95.934+/-0.000 χ^2/NDF : 168284.2/18

Left In: -145.064+/-0.049 χ^2/NDF : 32161.0/17

Left: -145.171+/-0.034 χ^2/NDF : 73008.2/37

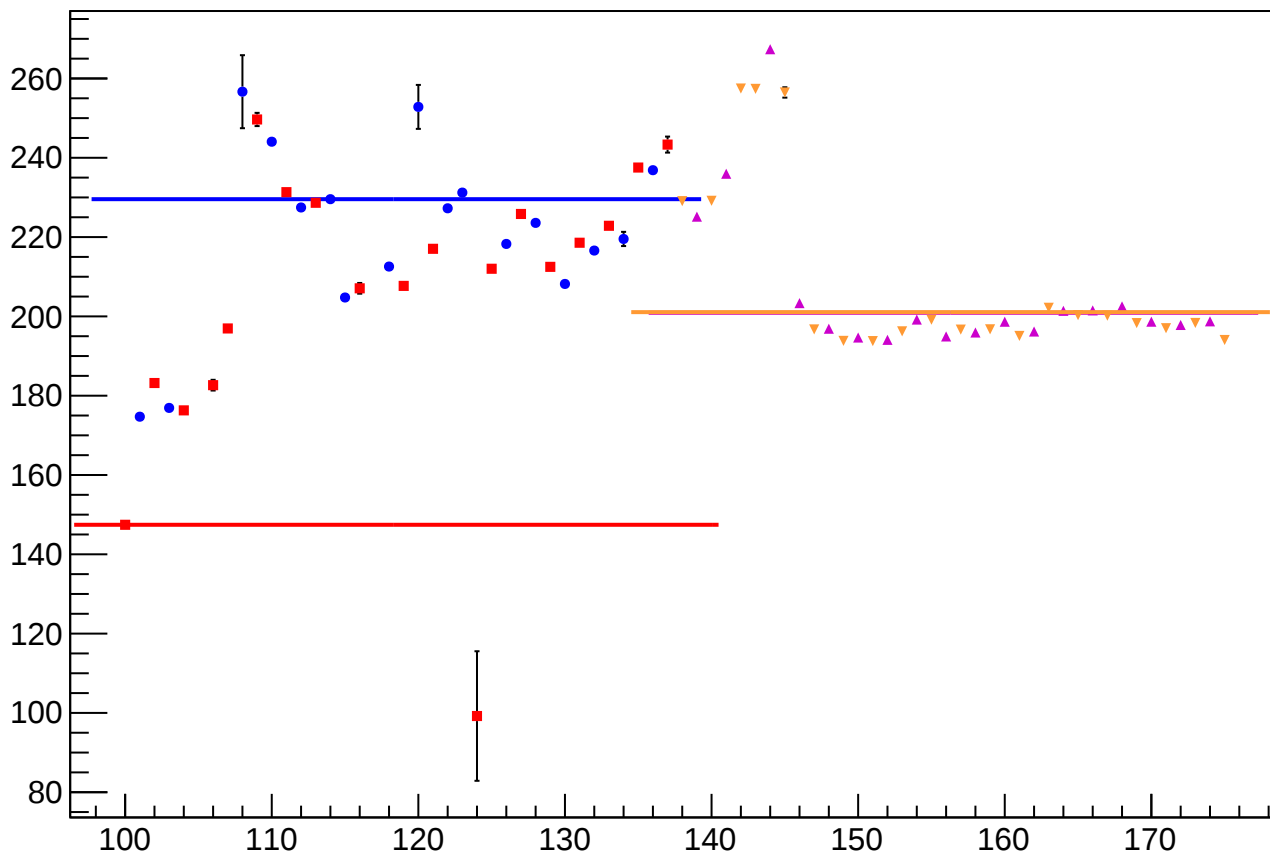
Right: -95.934+/-0.000 χ^2/NDF : 313037.7/35

In: -141.620+/-0.044 χ^2/NDF : 94319.3/34

Out: -95.934+/-0.000 χ^2/NDF : 1261770.1/38

All: -95.934+/-0.000 χ^2/NDF : 2425601.9/73

dit_usr_4eX_slope vs Slug, Sign Corrected



Right In: 229.560 $\pm$ 0.000 χ^2 /NDF: 37813.1/16

Left Out: 201.073 $\pm$ 0.041 χ^2 /NDF:107921.3/19

Right Out: 147.445 $\pm$ 0.000 χ^2 /NDF: 546753.3/18

Left In: 200.908 $\pm$ 0.043 χ^2 /NDF:76921.3/17

Left: 200.995 $\pm$ 0.030 χ^2 /NDF: 184850.4/37

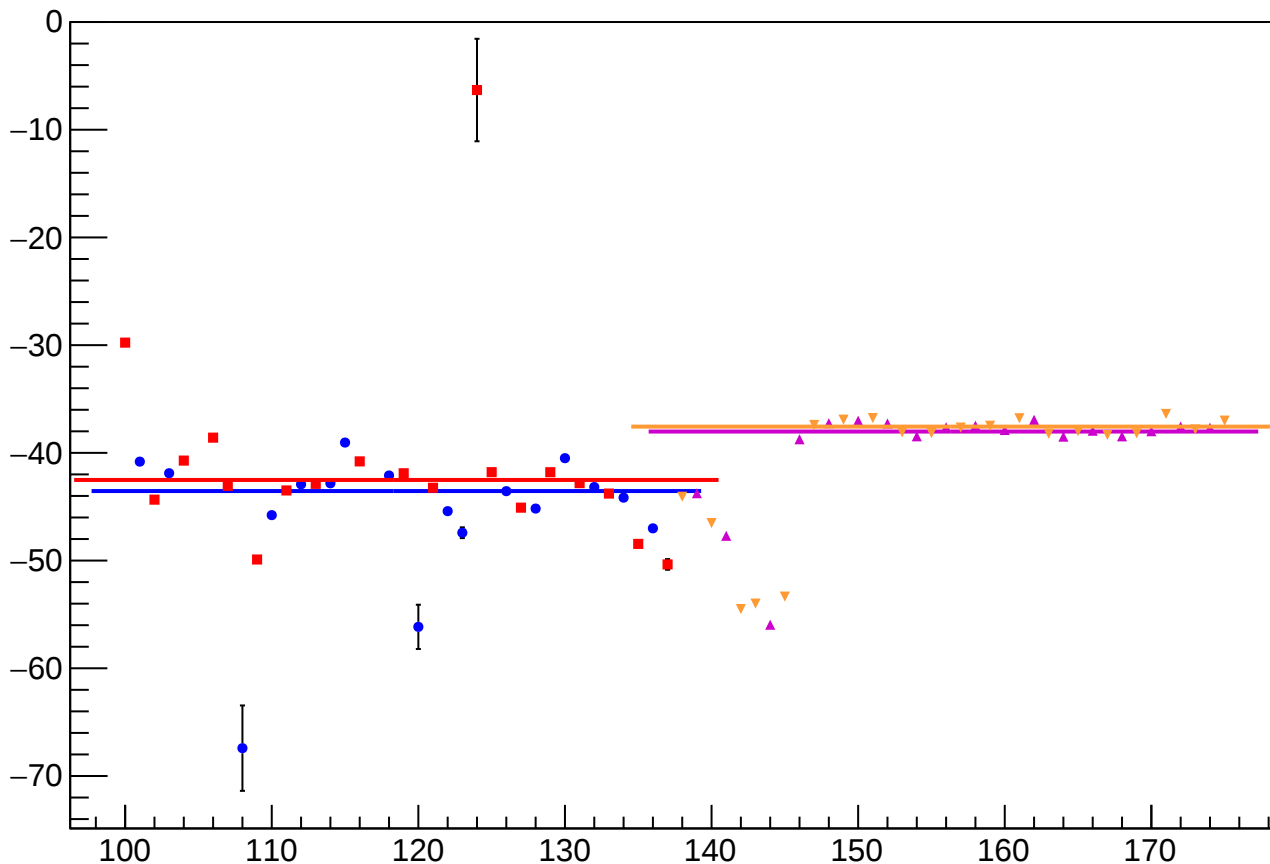
Right: 173.253 $\pm$ 0.000 χ^2 /NDF: 157405034293311

In: 229.560 $\pm$ 0.000 χ^2 /NDF:558952.3/34

Out: 147.445 $\pm$ 0.000 χ^2 /NDF:2396259.2/38

All: 173.253 $\pm$ 0.000 χ^2 /NDF: 157405034293

dit_usr_11X12X_slope vs Slug, Sign Corrected



Right In: -43.546 ± 0.023 $\chi^2/\text{NDF}: 12997.3/16$

Left Out: -37.564 ± 0.004 $\chi^2/\text{NDF}: 248746.5/19$

Right Out: -42.515 ± 0.021 $\chi^2/\text{NDF}: 7216.9/18$

Left In: -38.021 ± 0.005 $\chi^2/\text{NDF}: 134011.0/17$

Left: -37.754 ± 0.003 $\chi^2/\text{NDF}: 388338.9/37$

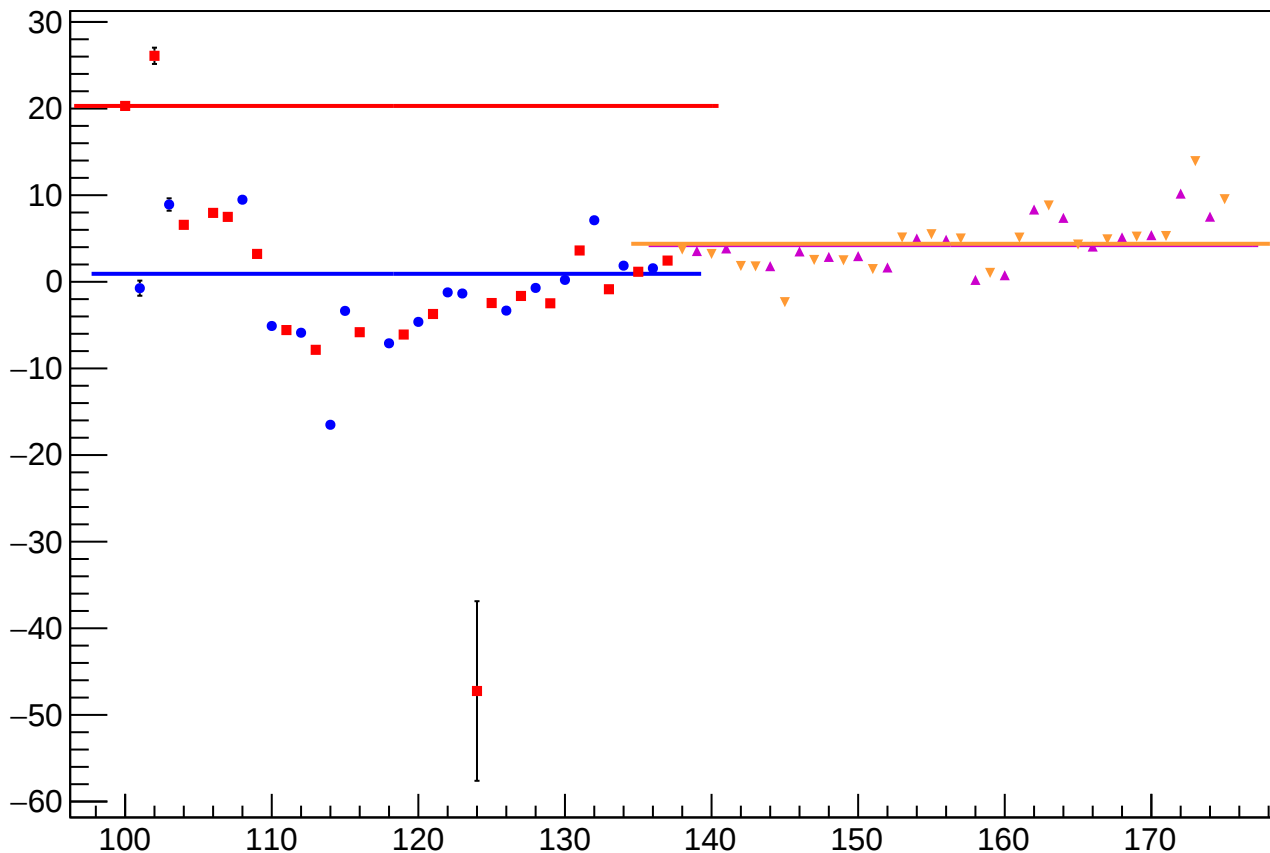
Right: -42.980 ± 0.015 $\chi^2/\text{NDF}: 21321.7/35$

In: -38.241 ± 0.005 $\chi^2/\text{NDF}: 202552.6/34$

Out: -37.736 ± 0.004 $\chi^2/\text{NDF}: 310572.3/38$

All: -37.947 ± 0.003 $\chi^2/\text{NDF}: 520200.7/73$

dit_usr_4aY_slope vs Slug, Sign Corrected



Right In: 0.923 ± 0.020 χ^2/NDF : 21353.5/16

Left Out: 4.391 ± 0.006 χ^2/NDF : 123804.5/19

Right Out: 20.304 ± 0.000 χ^2/NDF : 918407.4/18

Left In: 4.234 ± 0.007 χ^2/NDF : 90043.7/17

Left: 4.325 ± 0.005 χ^2/NDF : 214106.6/37

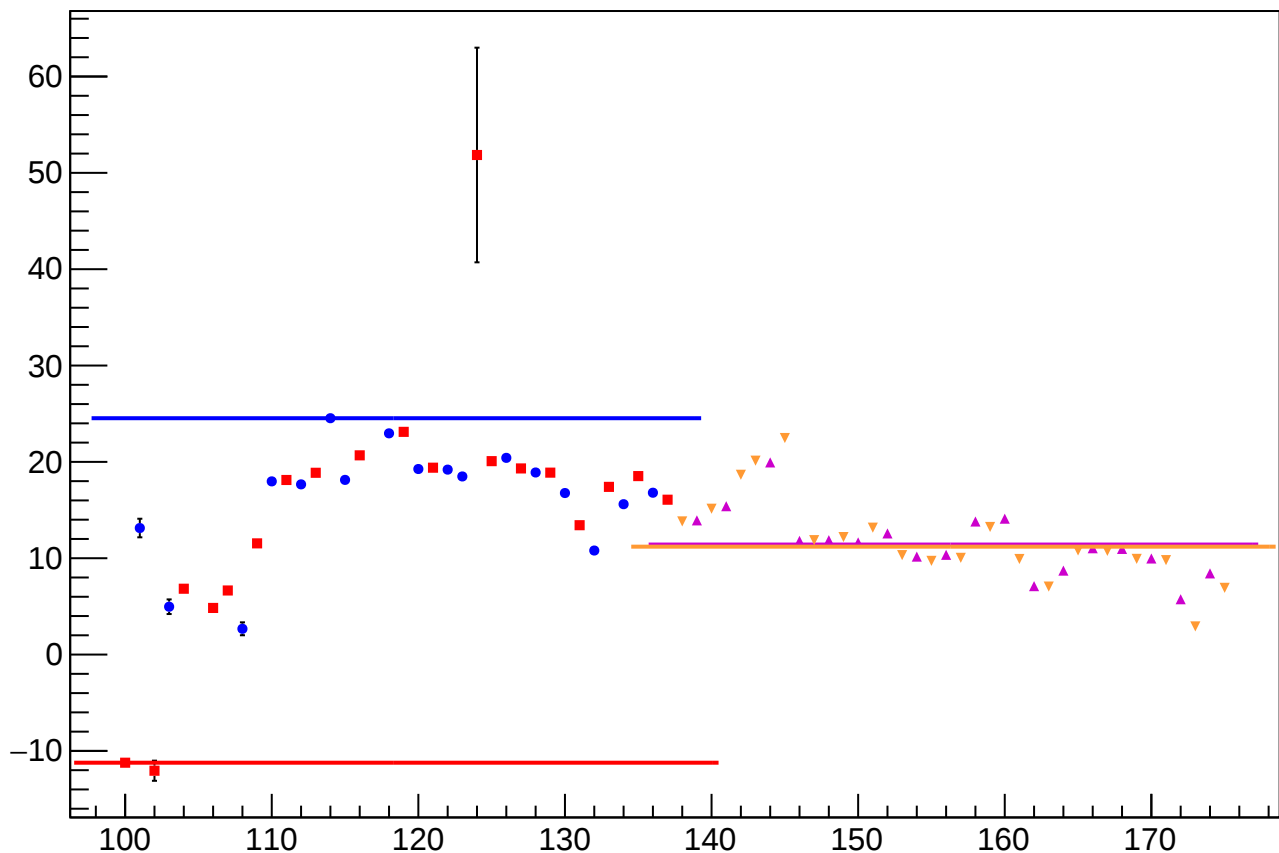
Right: 20.304 ± 0.000 χ^2/NDF : 1860705.2/35

In: 3.840 ± 0.007 χ^2/NDF : 135069.5/34

Out: 20.304 ± 0.000 χ^2/NDF : 7365891.1/38

All: 20.304 ± 0.000 χ^2/NDF : 13090052.8/73

dit_usr_4eY_slope vs Slug, Sign Corrected



Right In: 24.533+/-0.000 χ^2/NDF : 119839.5/16

Left Out: 11.200+/-0.008 χ^2/NDF : 108615.4/19

Right Out: -11.224+/-0.000 χ^2/NDF : 2204048.4/18

Left In: 11.419+/-0.009 χ^2/NDF : 63464.9/17

Left: 11.299+/-0.006 χ^2/NDF : 172396.1/37

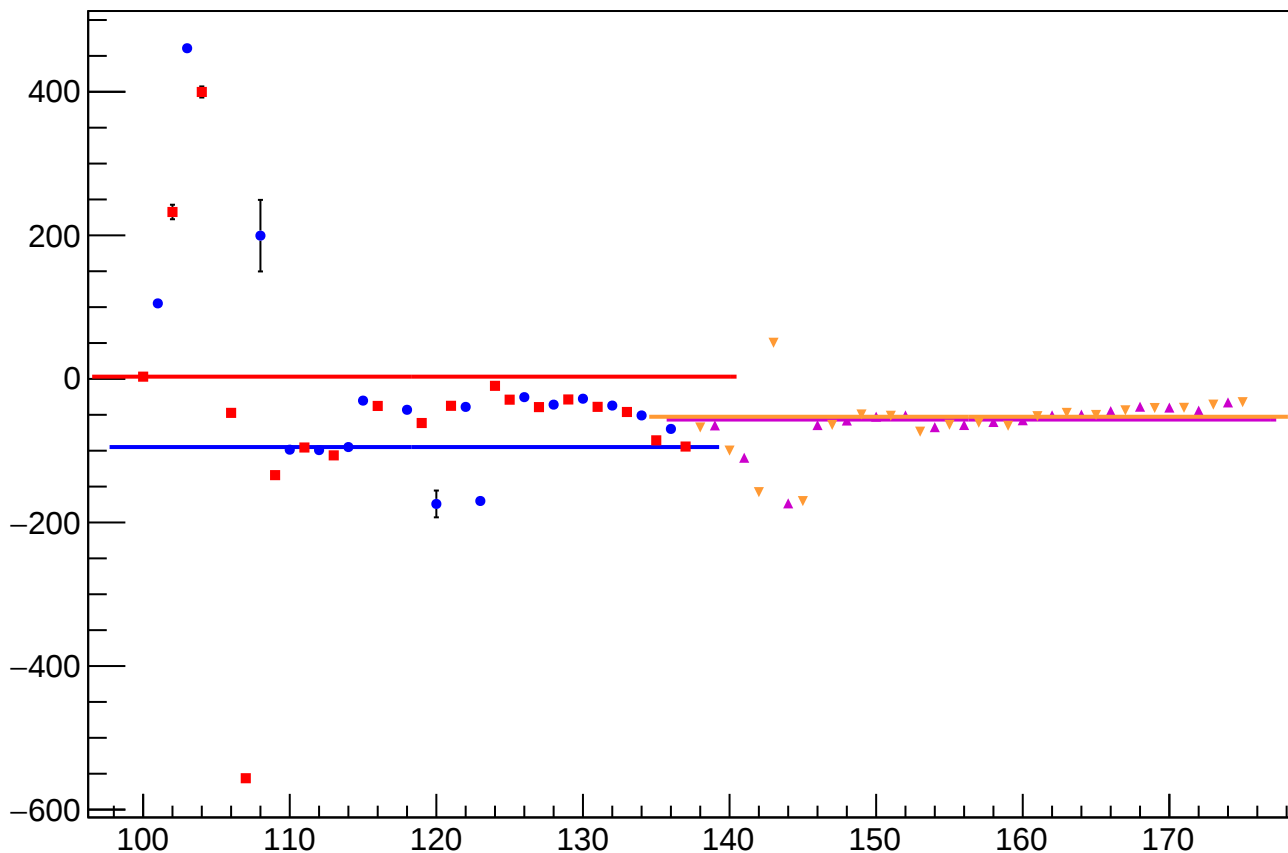
Right: -7.548+/-0.000 χ^2/NDF : 2499340702901629

In: 24.533+/-0.000 χ^2/NDF : 2232686.3/34

Out: -11.224+/-0.000 χ^2/NDF : 9678106.5/38

All: -7.548+/-0.000 χ^2/NDF : 2499340702901

dit_atl1_4aX_slope vs Slug, Sign Corrected



Right In: -94.927 ± 0.000 $\chi^2/\text{NDF}: 718777.6/16$

Left Out: -52.713 ± 0.095 $\chi^2/\text{NDF}: 52664.9/19$

Right Out: 3.148 ± 0.000 $\chi^2/\text{NDF}: 61196784.3/18$

Left In: -56.619 ± 0.110 $\chi^2/\text{NDF}: 54564.7/17$

Left: -54.383 ± 0.072 $\chi^2/\text{NDF}: 107951.1/37$

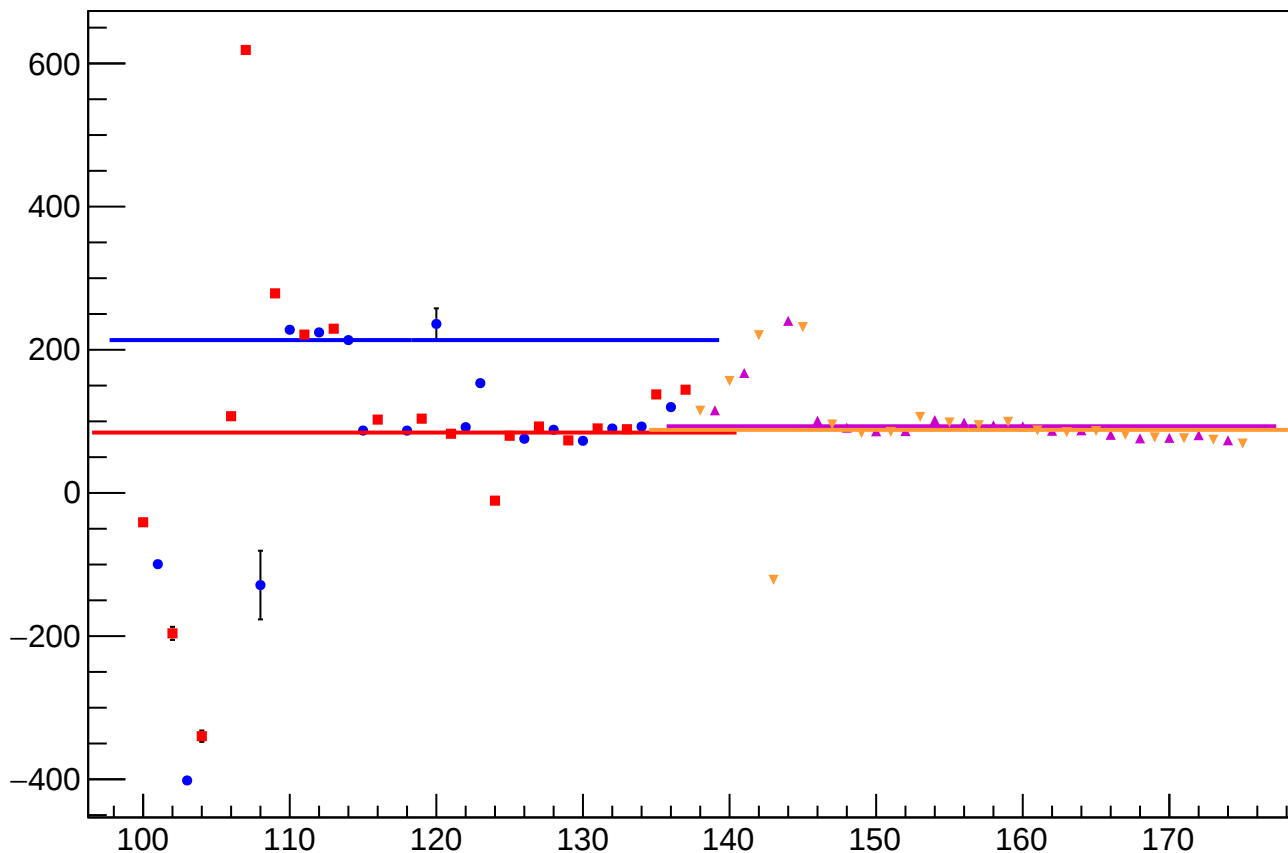
Right: 2.973 ± 0.000 $\chi^2/\text{NDF}: 52299232074263321$

In: -94.927 ± 0.000 $\chi^2/\text{NDF}: 894568.6/34$

Out: 3.148 ± 0.000 $\chi^2/\text{NDF}: 61594534.2/38$

All: 2.973 ± 0.000 $\chi^2/\text{NDF}: 52299232074263$

dit_atl1_4eX_slope vs Slug, Sign Corrected



Right In: 213.523 $\pm$ 0.000 χ^2 /NDF: 2690617.8/16

Left Out: 88.121 $\pm$ 0.084 χ^2 /NDF:158844.2/19

Right Out: 84.377 $\pm$ 0.176 χ^2 /NDF: 227868.3/18

Left In: 93.123 $\pm$ 0.096 χ^2 /NDF:75273.8/17

Left: 90.275 $\pm$ 0.063 χ^2 /NDF: 235656.3/37

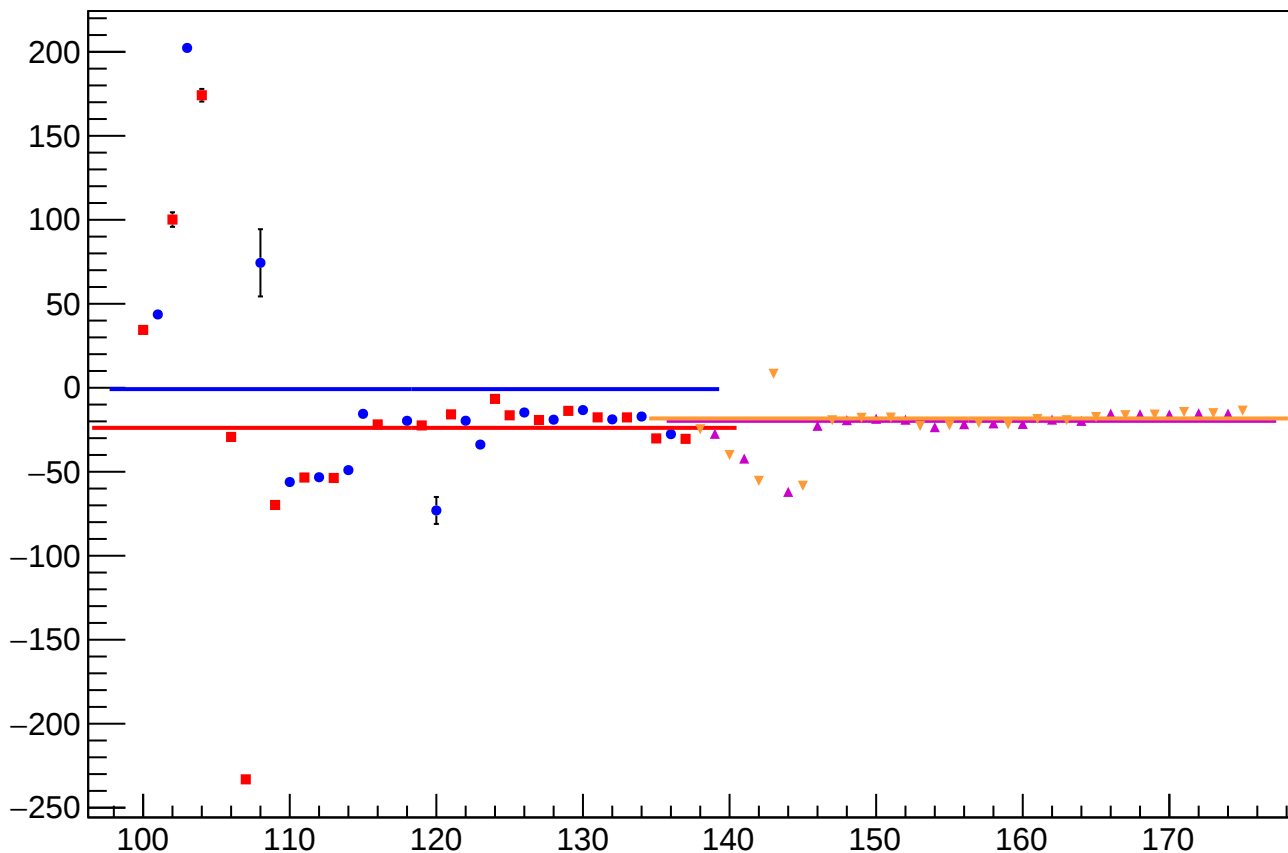
Right: 213.523 $\pm$ 0.000 χ^2 /NDF: 3455404.0/35

In: 213.523 $\pm$ 0.000 χ^2 /NDF:4331538.1/34

Out: 87.432 $\pm$ 0.076 χ^2 /NDF:387080.7/38

All: 213.523 $\pm$ 0.000 χ^2 /NDF: 7500683.7/73

dit_atl1_11X12X_slope vs Slug, Sign Corrected



Right In: -0.799 ± 0.031 χ^2/NDF : 2816818.1/16

Left Out: -18.273 ± 0.011 χ^2/NDF : 586924.4/19

Right Out: -23.861 ± 0.044 χ^2/NDF : 200002.4/18

Left In: -19.674 ± 0.014 χ^2/NDF : 163618.2/17

Left: -18.828 ± 0.009 χ^2/NDF : 756554.5/37

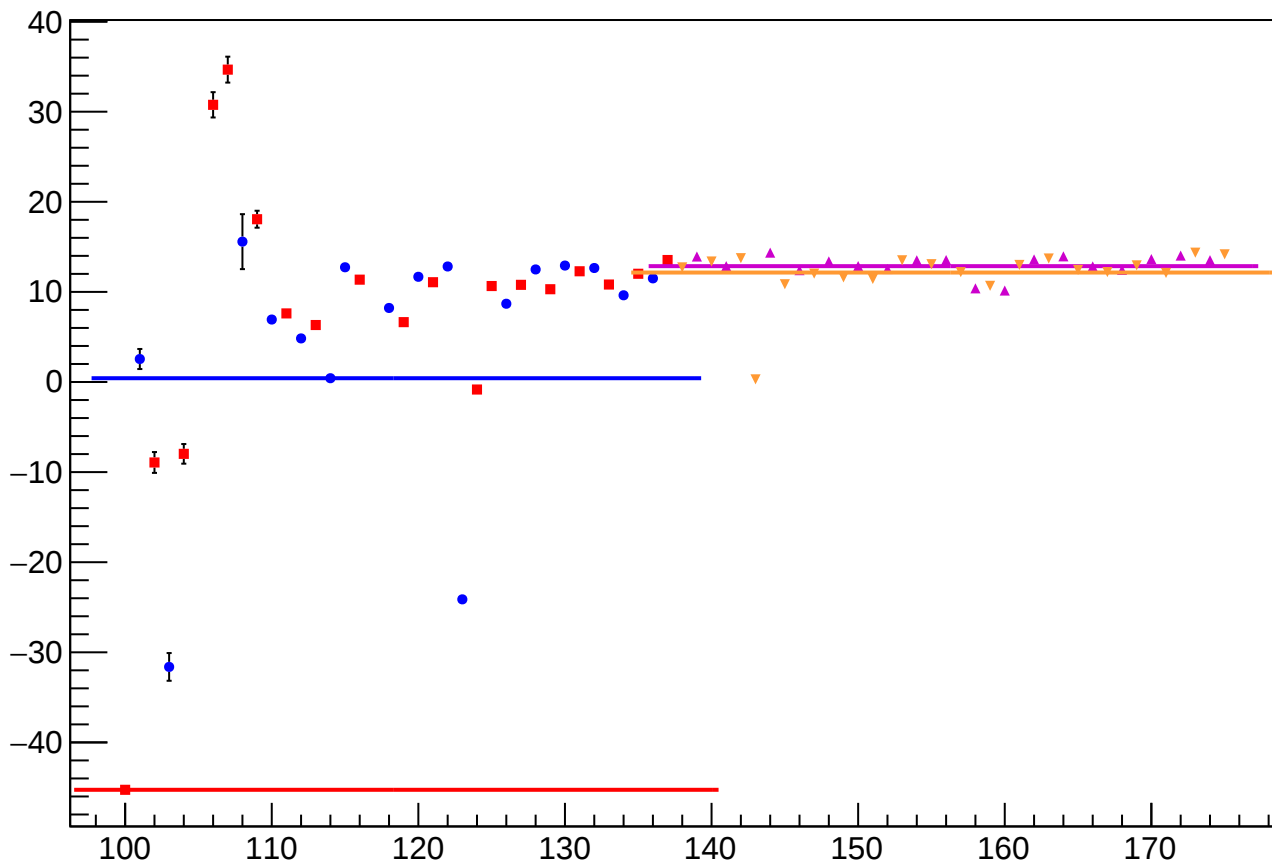
Right: -8.664 ± 0.025 χ^2/NDF : 3201437.1/35

In: -16.518 ± 0.013 χ^2/NDF : 3282407.3/34

Out: -18.630 ± 0.011 χ^2/NDF : 802327.5/38

All: -17.733 ± 0.008 χ^2/NDF : 4100347.4/73

dit_atl1_4aY_slope vs Slug, Sign Corrected



Right In: 0.420+/-0.000 χ^2/NDF : 84744.6/16

Left Out: 12.149+/-0.015 χ^2/NDF :28794.3/19

Right Out: -45.259+/-0.000 χ^2/NDF : 1298633.3/18

Left In: 12.858+/-0.013 χ^2/NDF :5753.7/17

Left: 12.548+/-0.010 χ^2/NDF : 35783.8/37

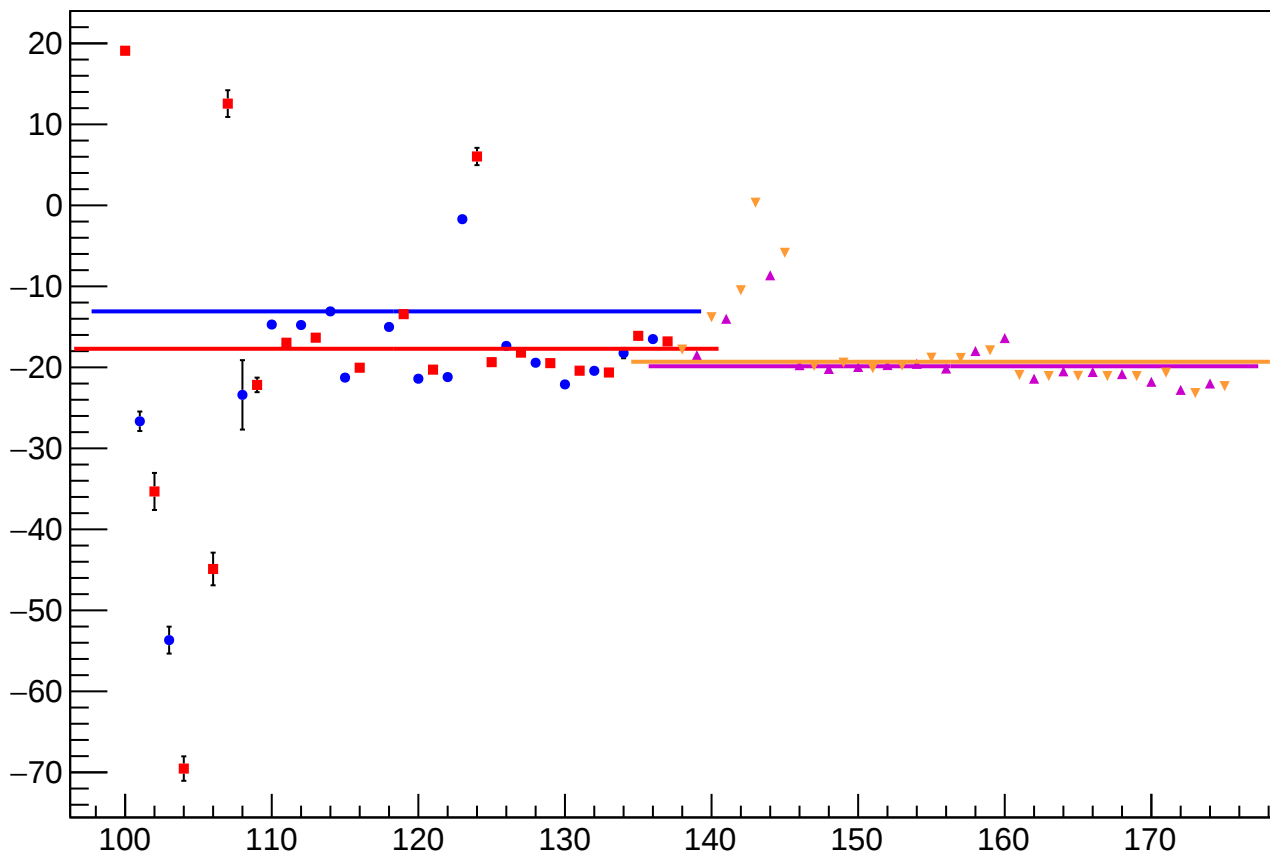
Right: 0.419+/-0.000 χ^2/NDF : 24797052003265142

In: 0.420+/-0.000 χ^2/NDF :960160.4/34

Out: -45.259+/-0.000 χ^2/NDF :15724458.4/38

All: 0.419+/-0.000 χ^2/NDF : 24797052003265

dit_atl1_4eY_slope vs Slug, Sign Corrected



Right In: -13.090 ± 0.000 χ^2/NDF : 30071.6/16

Left Out: -19.309 ± 0.017 χ^2/NDF : 55163.6/19

Right Out: -17.705 ± 0.048 χ^2/NDF : 14635.4/18

Left In: -19.864 ± 0.017 χ^2/NDF : 13988.7/17

Left: -19.591 ± 0.012 χ^2/NDF : 69705.4/37

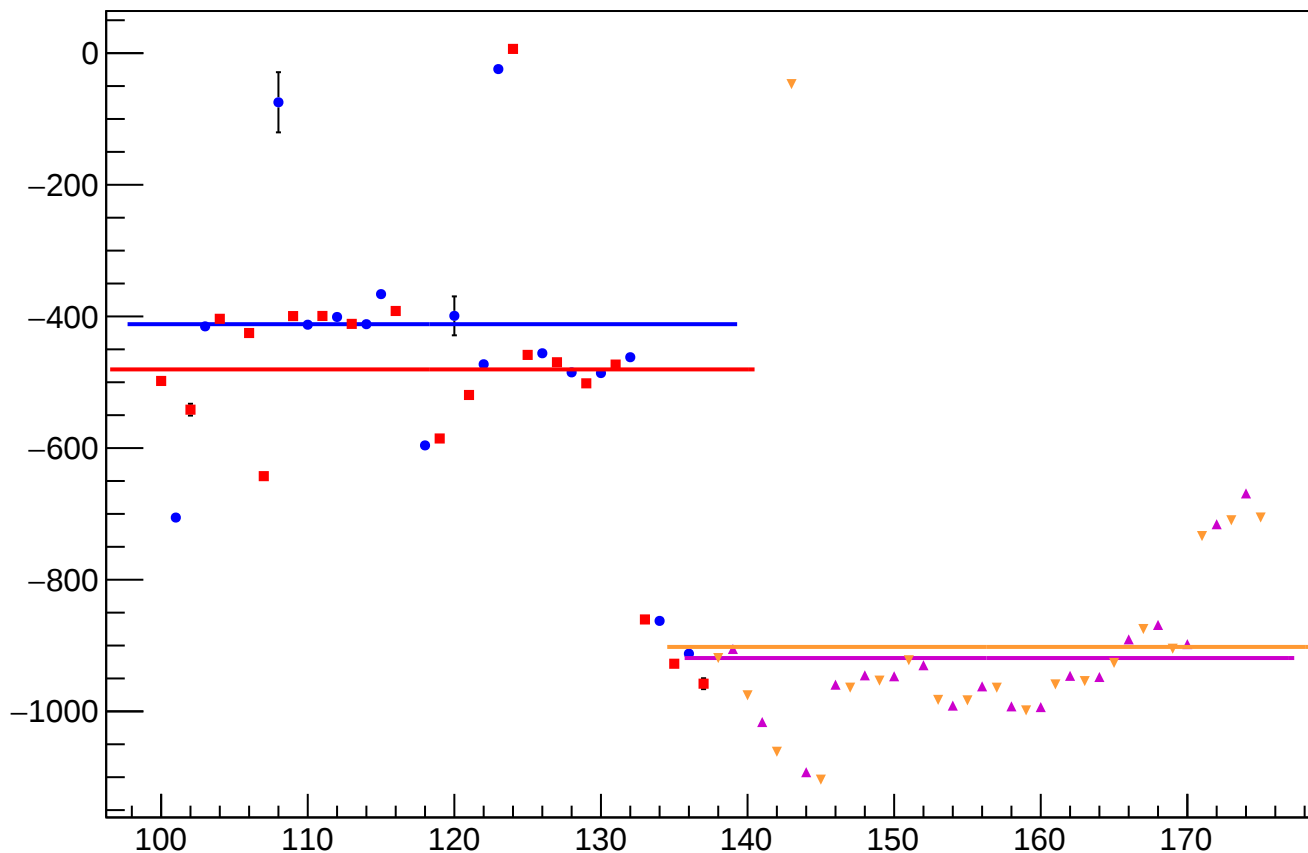
Right: -13.090 ± 0.000 χ^2/NDF : 53991.0/35

In: -13.090 ± 0.000 χ^2/NDF : 211159.3/34

Out: -19.133 ± 0.016 χ^2/NDF : 70796.7/38

All: -13.090 ± 0.000 χ^2/NDF : 426749.7/73

dit_atl2_4aX_slope vs Slug, Sign Corrected



Right In: -411.771 ± 0.000 χ^2/NDF : 984974.9/16

Left Out: -902.096 ± 0.163 χ^2/NDF : 582962.5/19

Right Out: -480.481 ± 0.166 χ^2/NDF : 596807.0/18

Left In: -918.974 ± 0.165 χ^2/NDF : 386961.4/17

Left: -910.436 ± 0.116 χ^2/NDF : 975221.5/37

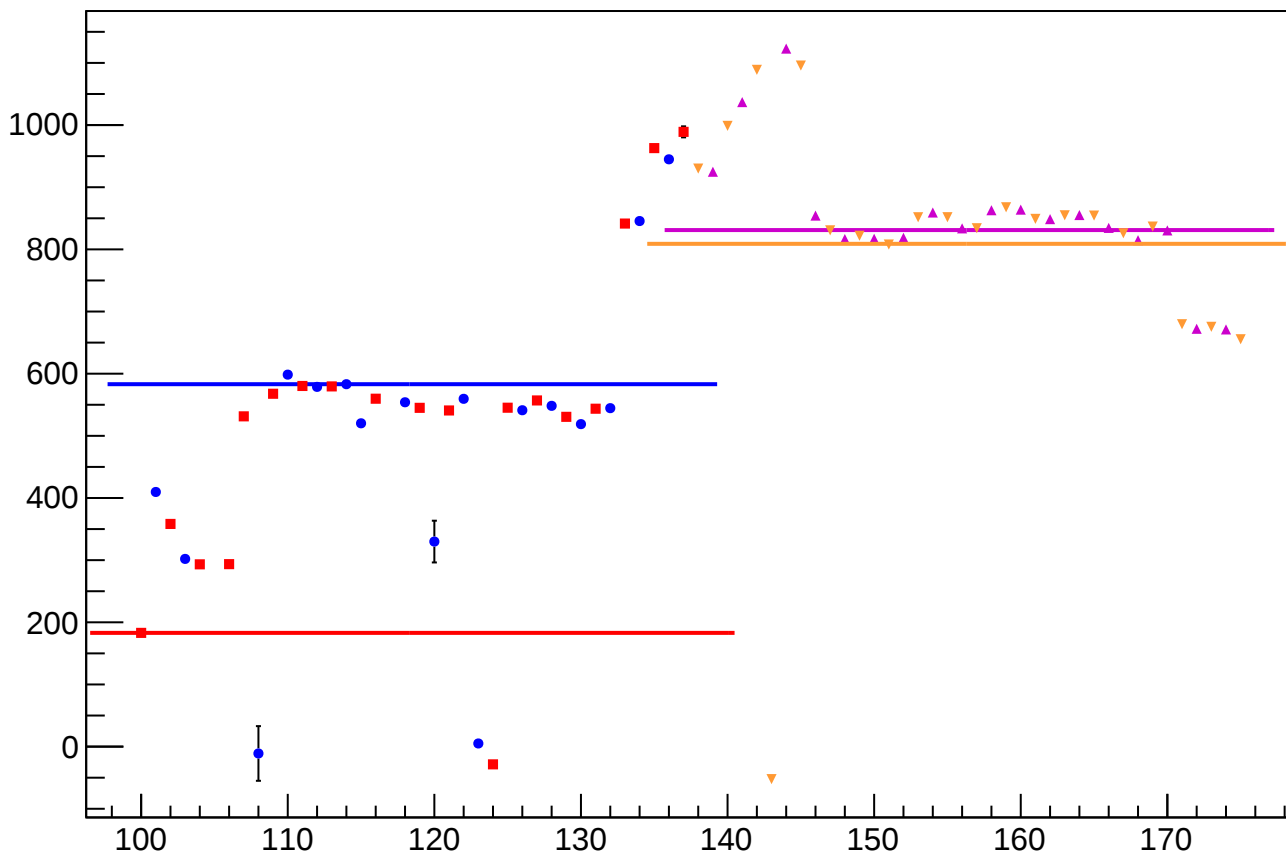
Right: -411.771 ± 0.000 χ^2/NDF : 1752754.1/35

In: -411.771 ± 0.000 χ^2/NDF : 10828880.3/34

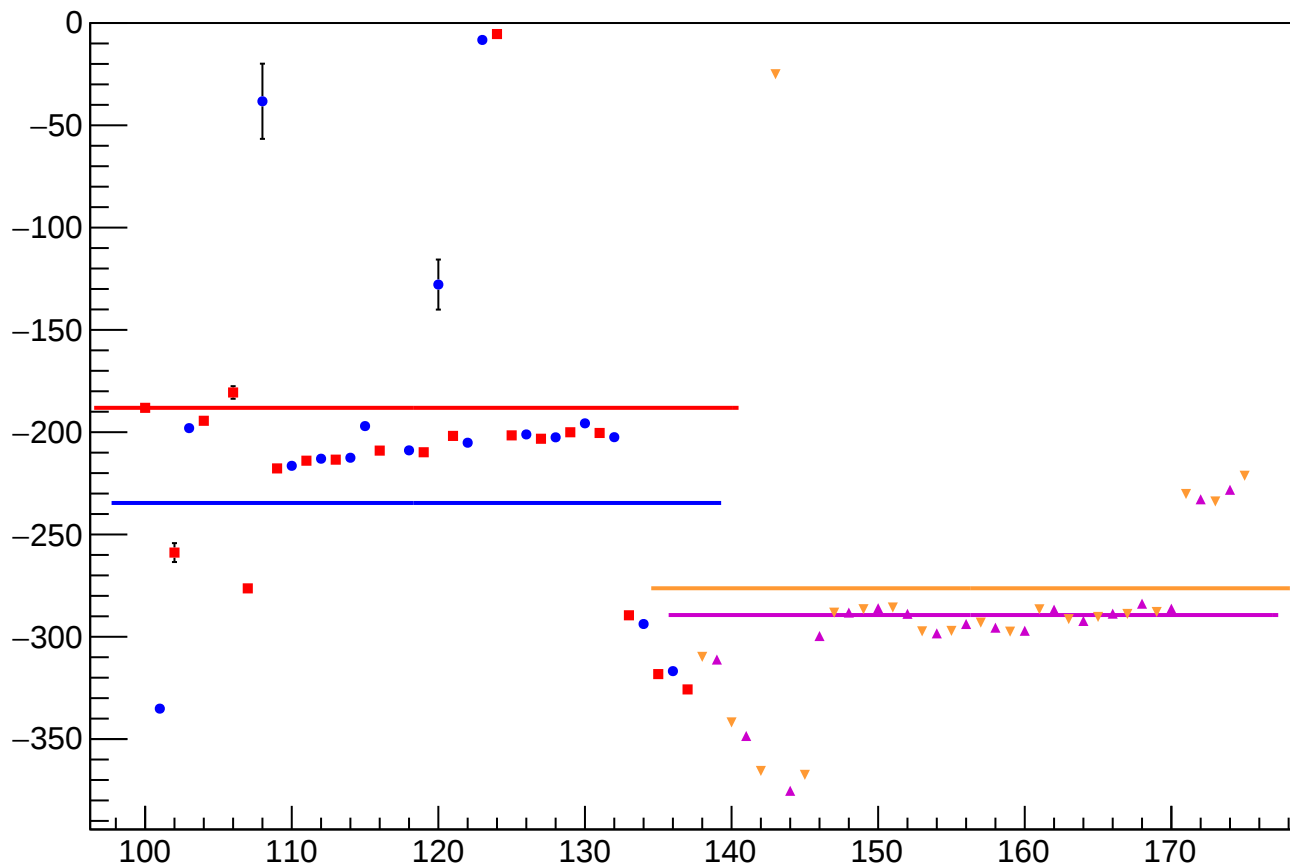
Out: -695.335 ± 0.116 χ^2/NDF : 4460233.8/38

All: -411.771 ± 0.000 χ^2/NDF : 21226944.0/7

dit_atl2_4eX_slope vs Slug, Sign Corrected



dit_atl2_11X12X_slope vs Slug, Sign Corrected



Right In: -234.595 ± 0.057 $\chi^2/\text{NDF}: 1034543.3/16$

Left Out: -276.290 ± 0.023 $\chi^2/\text{NDF}: 6009421.8/19$

Right Out: -188.094 ± 0.000 $\chi^2/\text{NDF}: 564190.5/18$

Left In: -289.373 ± 0.024 $\chi^2/\text{NDF}: 827769.6/17$

Left: -282.561 ± 0.017 $\chi^2/\text{NDF}: 6988436.4/37$

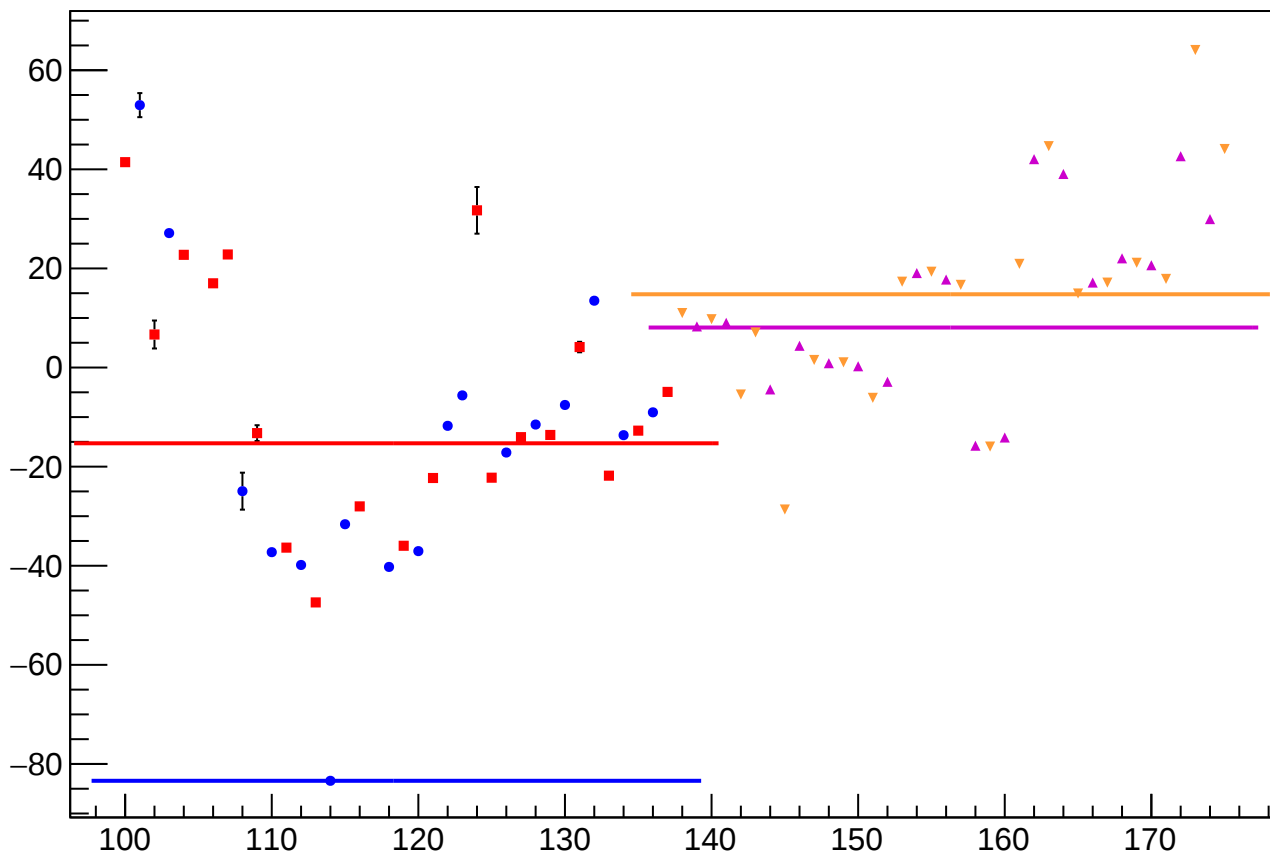
Right: -188.094 ± 0.000 $\chi^2/\text{NDF}: 2276022.3/35$

In: -280.838 ± 0.022 $\chi^2/\text{NDF}: 2655762.8/34$

Out: -188.094 ± 0.000 $\chi^2/\text{NDF}: 20915645.6/38$

All: -188.094 ± 0.000 $\chi^2/\text{NDF}: 40863256.7/77$

dit_atl2_4aY_slope vs Slug, Sign Corrected



Right In: -83.399 $\pm$ 0.000 χ^2 /NDF: 1111851.8/16

Left Out: 14.787 $\pm$ 0.023 χ^2 /NDF: 490903.8/19

Right Out: -15.289 $\pm$ 0.093 χ^2 /NDF: 45102.9/18

Left In: 8.075 $\pm$ 0.019 χ^2 /NDF: 972449.4/17

Left: 10.807 $\pm$ 0.015 χ^2 /NDF: 1513282.7/37

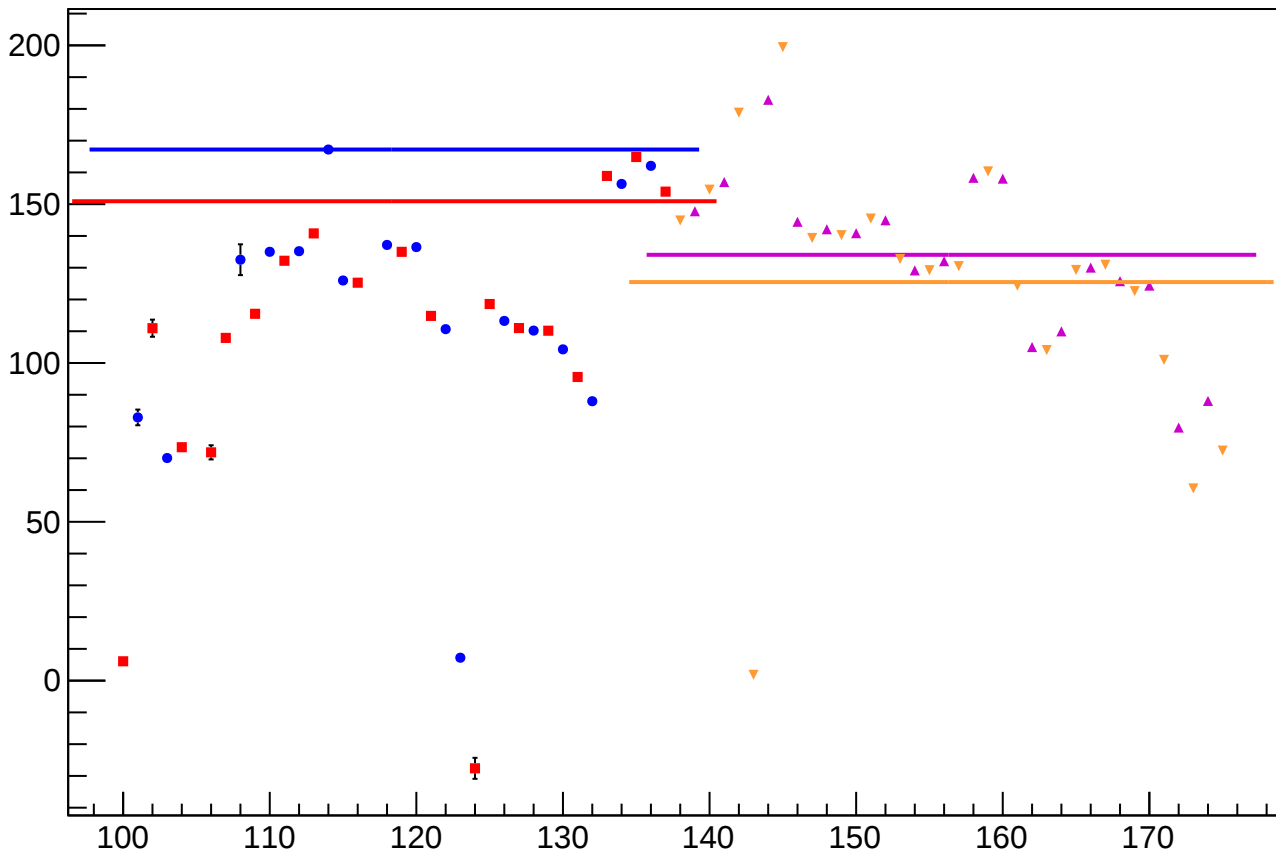
Right: -83.399 $\pm$ 0.000 χ^2 /NDF: 1693721.3/35

In: -83.399 $\pm$ 0.000 χ^2 /NDF: 24863837.9/34

Out: 13.034 $\pm$ 0.022 χ^2 /NDF: 634568.8/38

All: -83.399 $\pm$ 0.000 χ^2 /NDF: 43956479.7/73

dit_atl2_4eY_slope vs Slug, Sign Corrected



Right In: 167.207 $\pm$ 0.000 χ^2 /NDF: 377544.7/16

Left Out: 125.478 $\pm$ 0.030 χ^2 /NDF: 690454.9/19

Right Out: 150.930 $\pm$ 0.030 χ^2 /NDF: 254077.1/18

Left In: 134.061 $\pm$ 0.027 χ^2 /NDF: 496443.0/17

Left: 130.098 $\pm$ 0.020 χ^2 /NDF: 1232418.1/37

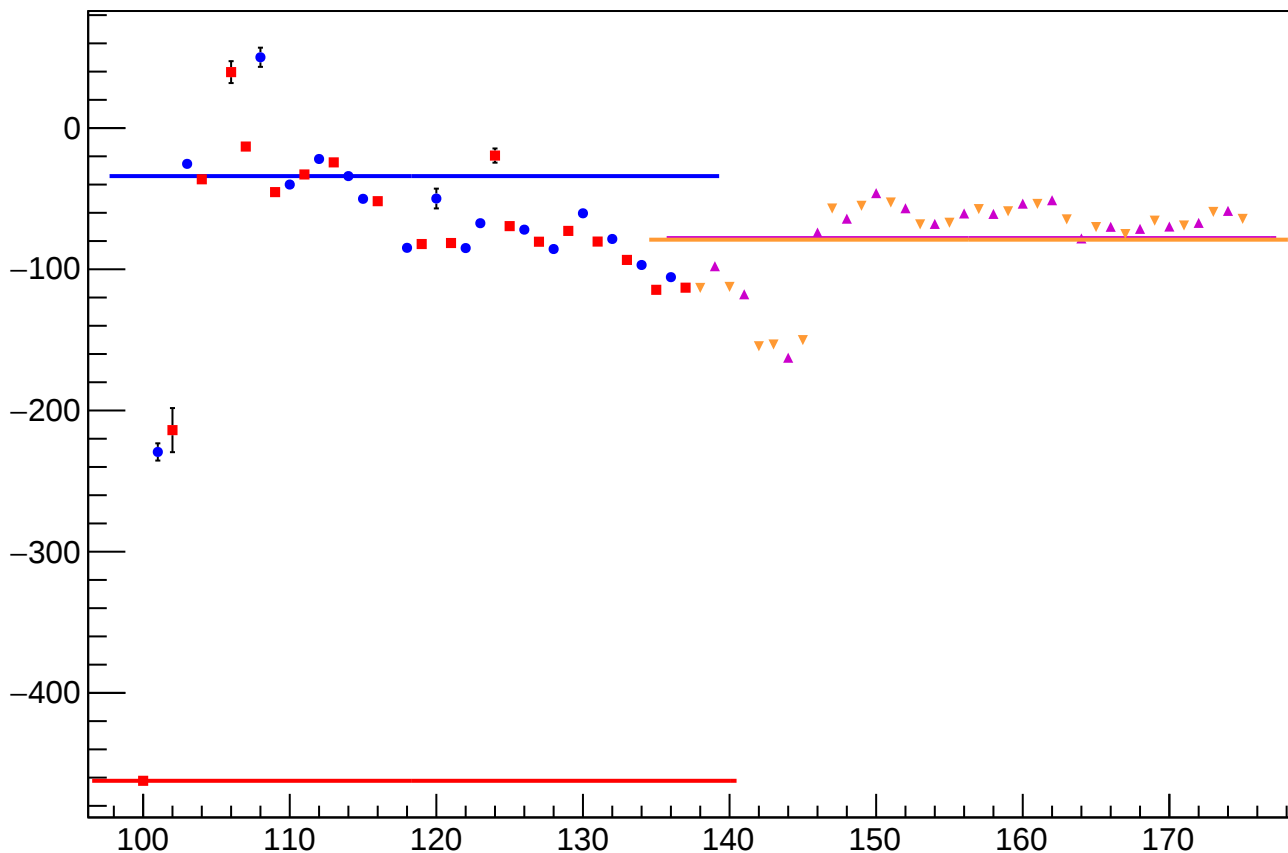
Right: 167.207 $\pm$ 0.000 χ^2 /NDF: 927090.4/35

In: 167.207 $\pm$ 0.000 χ^2 /NDF: 2344126.8/34

Out: 138.019 $\pm$ 0.021 χ^2 /NDF: 1310974.8/38

All: 167.207 $\pm$ 0.000 χ^2 /NDF: 5583207.7/73

dit_atr1_4aX_slope vs Slug, Sign Corrected



Right In: -34.002 ± 0.000 $\chi^2/\text{NDF}: 103608.4/16$

Left Out: -79.028 ± 0.121 $\chi^2/\text{NDF}: 62645.2/19$

Right Out: -462.254 ± 0.000 $\chi^2/\text{NDF}: 4616114.1/18$

Left In: -77.896 ± 0.124 $\chi^2/\text{NDF}: 62347.8/17$

Left: -78.476 ± 0.086 $\chi^2/\text{NDF}: 125035.9/37$

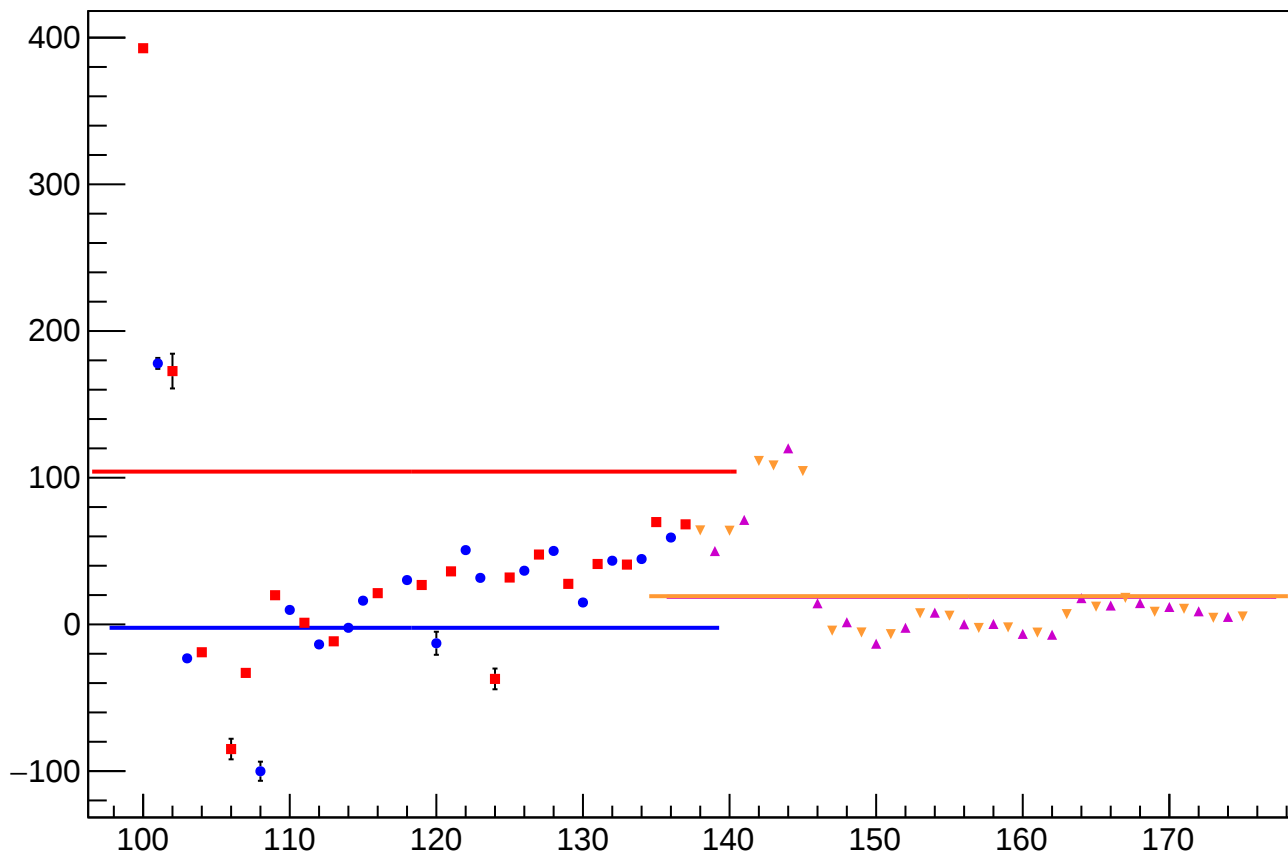
Right: -34.912 ± 0.000 $\chi^2/\text{NDF}: 849582565143584$

In: -34.002 ± 0.000 $\chi^2/\text{NDF}: 291636.2/34$

Out: -462.254 ± 0.000 $\chi^2/\text{NDF}: 14767411.6/38$

All: -34.912 ± 0.000 $\chi^2/\text{NDF}: 849582565143$

dit_atr1_4eX_slope vs Slug, Sign Corrected



Right In: -2.317+/-0.000 χ^2/NDF : 72308.0/16

Left Out: 19.227+/-0.105 χ^2/NDF : 98647.3/19

Right Out: 104.164+/-0.183 χ^2/NDF : 779114.1/18

Left In: 18.808+/-0.109 χ^2/NDF : 89805.2/17

Left: 19.025+/-0.076 χ^2/NDF : 188460.2/37

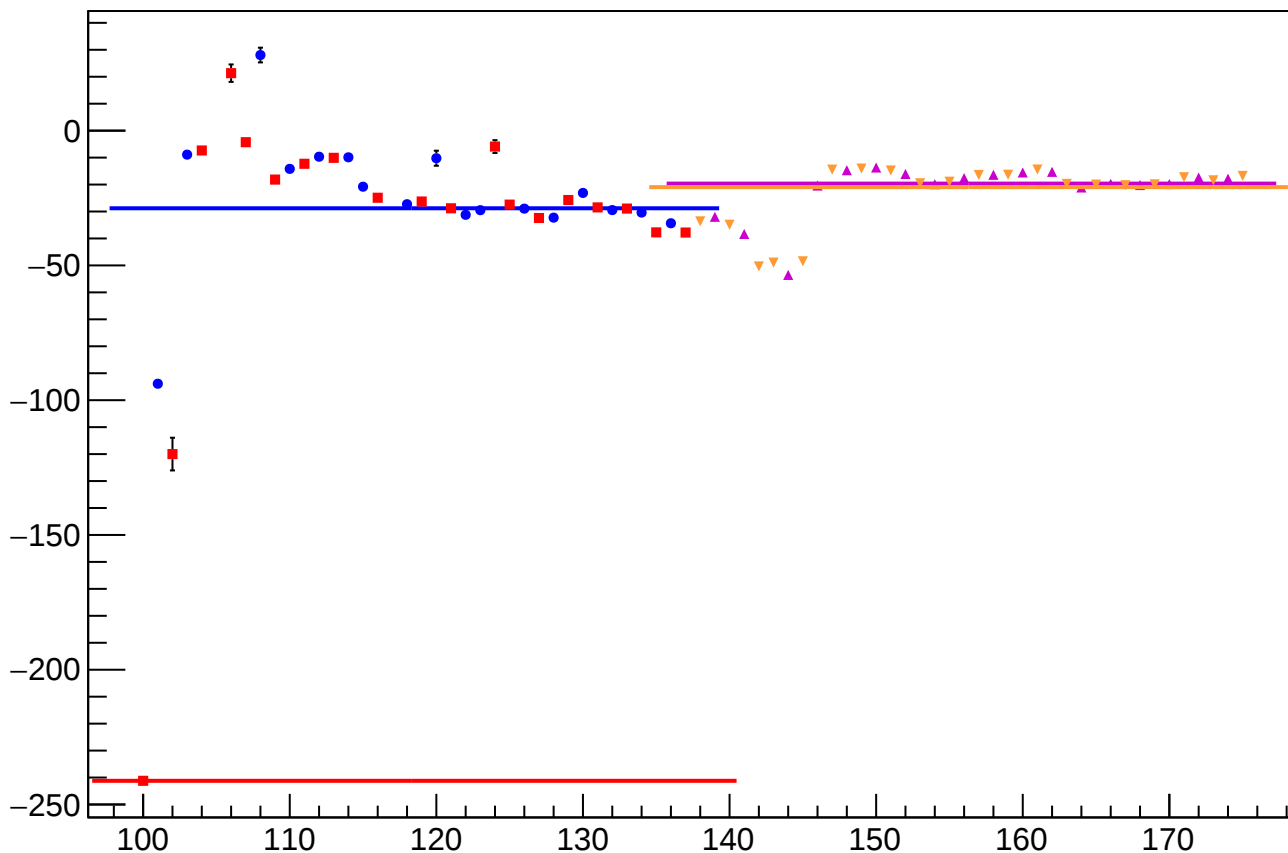
Right: -2.317+/-0.000 χ^2/NDF : 1189122.1/35

In: -2.317+/-0.000 χ^2/NDF : 199395.5/34

Out: 40.368+/-0.091 χ^2/NDF : 1039150.2/38

All: -2.317+/-0.000 χ^2/NDF : 1456575.2/73

dit_atr1_11X12X_slope vs Slug, Sign Corrected



Right In: -28.799 ± 0.035 $\chi^2/\text{NDF}: 49372.5/16$

Left Out: -20.953 ± 0.013 $\chi^2/\text{NDF}: 369031.9/19$

Right Out: -241.209 ± 0.000 $\chi^2/\text{NDF}: 31730104.8/18$

Left In: -19.644 ± 0.015 $\chi^2/\text{NDF}: 195948.5/17$

Left: -20.388 ± 0.010 $\chi^2/\text{NDF}: 569088.0/37$

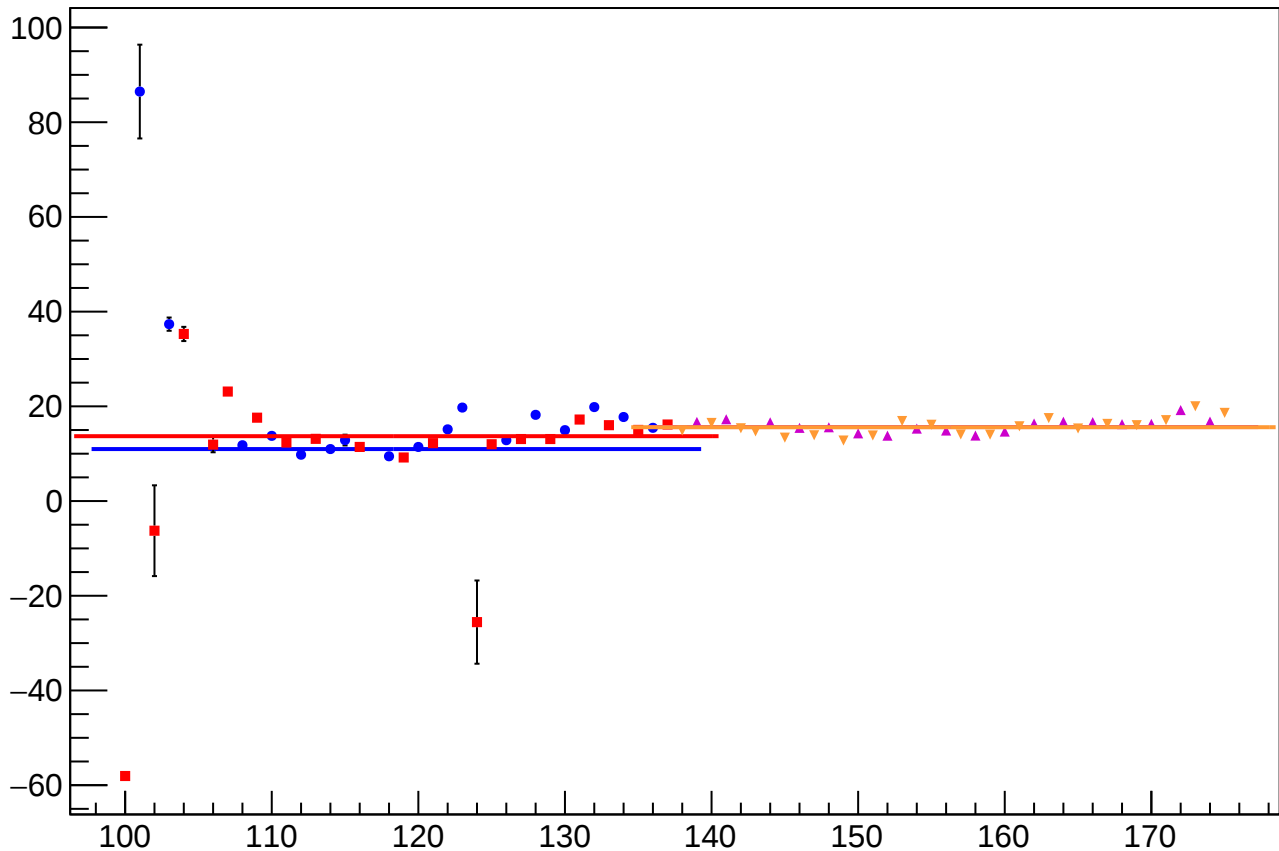
Right: -241.209 ± 0.000 $\chi^2/\text{NDF}: 67856010.6/35$

In: -21.102 ± 0.014 $\chi^2/\text{NDF}: 301665.7/34$

Out: -241.209 ± 0.000 $\chi^2/\text{NDF}: 301488808.3/38$

All: -241.209 ± 0.000 $\chi^2/\text{NDF}: 545045288.7/77$

dit_atr1_4aY_slope vs Slug, Sign Corrected



Right In: 10.978+/-0.000 χ^2/NDF : 26383.3/16

Left Out: 15.593+/-0.015 χ^2/NDF : 9871.0/19

Right Out: 13.698+/-0.044 χ^2/NDF : 38261.7/18

Left In: 15.627+/-0.015 χ^2/NDF : 6991.6/17

Left: 15.610+/-0.010 χ^2/NDF : 16865.4/37

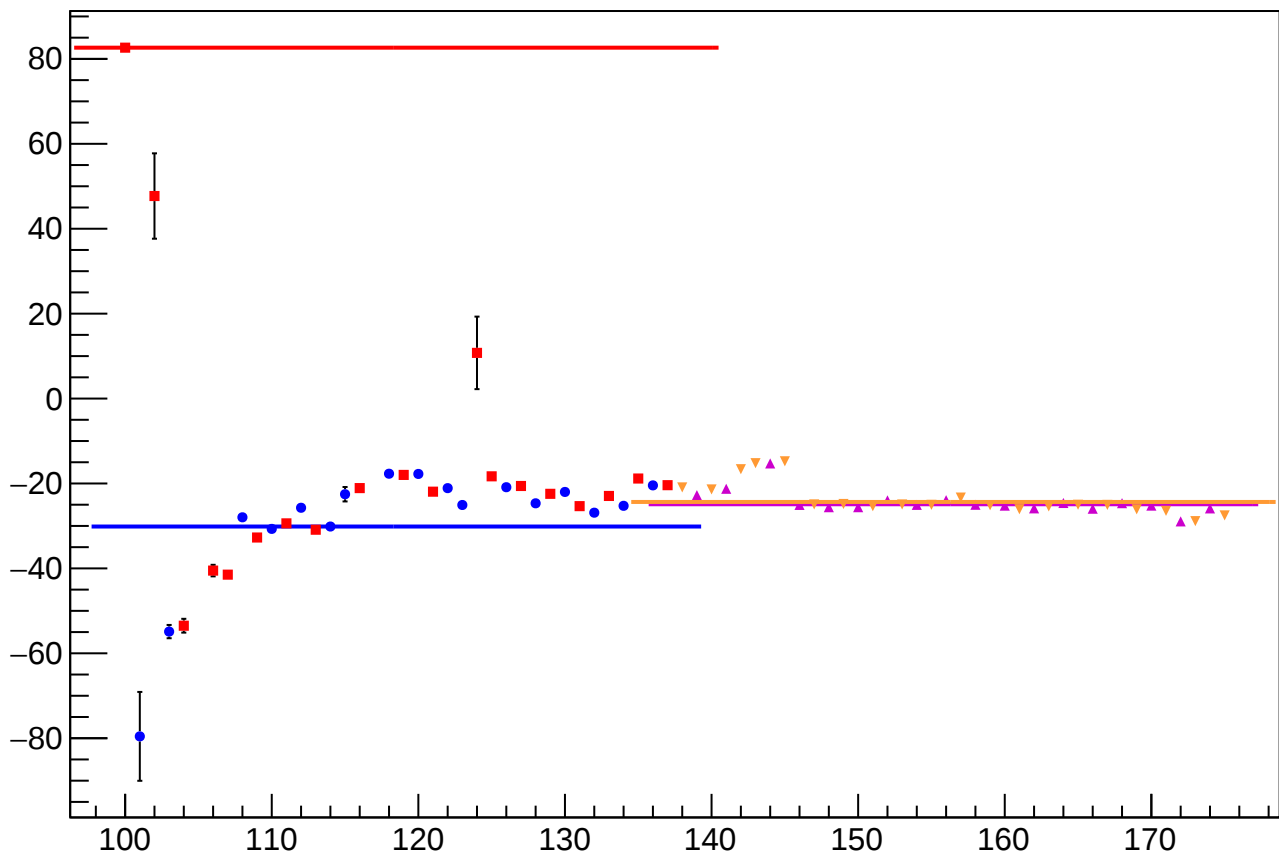
Right: 10.978+/-0.000 χ^2/NDF : 68468.7/35

In: 10.978+/-0.000 χ^2/NDF : 134464.5/34

Out: 15.399+/-0.014 χ^2/NDF : 49799.7/38

All: 10.978+/-0.000 χ^2/NDF : 282839.1/73

dit_atr1_4eY_slope vs Slug, Sign Corrected



Right In: -30.139 ± 0.000 χ^2/NDF : 75823.3/16

Left Out: -24.351 ± 0.017 χ^2/NDF : 37194.4/19

Right Out: 82.645 ± 0.000 χ^2/NDF : 4126300.9/18

Left In: -24.893 ± 0.018 χ^2/NDF : 11909.1/17

Left: -24.616 ± 0.012 χ^2/NDF : 49590.9/37

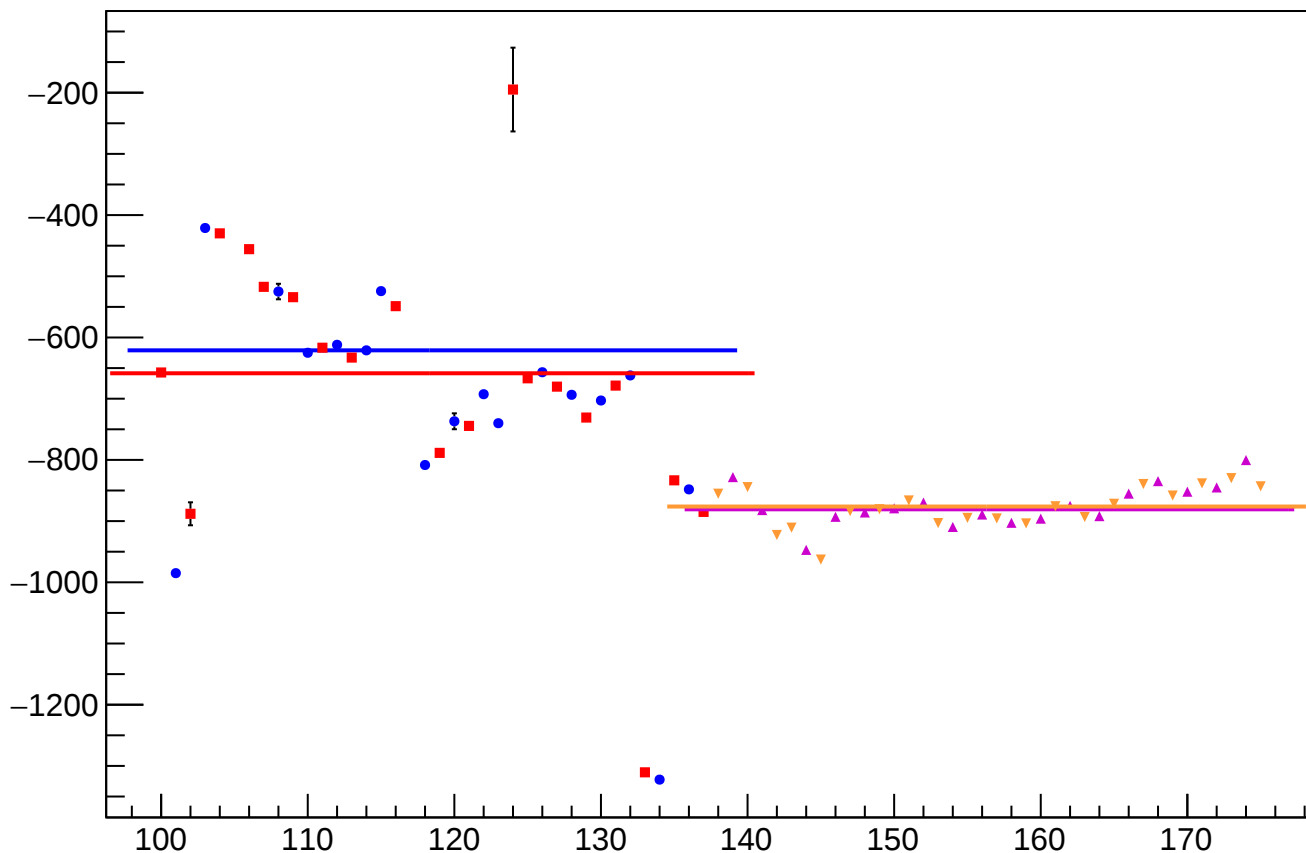
Right: -26.421 ± 0.000 χ^2/NDF : 365466407976619

In: -30.139 ± 0.000 χ^2/NDF : 176975.7/34

Out: 82.645 ± 0.000 χ^2/NDF : 43108507.1/38

All: -26.421 ± 0.000 χ^2/NDF : 365466407976

dit_atr2_4aX_slope vs Slug, Sign Corrected



Right In: -620.994+/-0.000 χ^2/NDF : 309597.8/16

Left Out: -876.199+/-0.140 χ^2/NDF : 39877.8/19

Right Out: -658.472+/-0.211 χ^2/NDF : 385288.9/18

Left In: -880.730+/-0.137 χ^2/NDF : 42737.2/17

Left: -878.506+/-0.098 χ^2/NDF : 83150.2/37

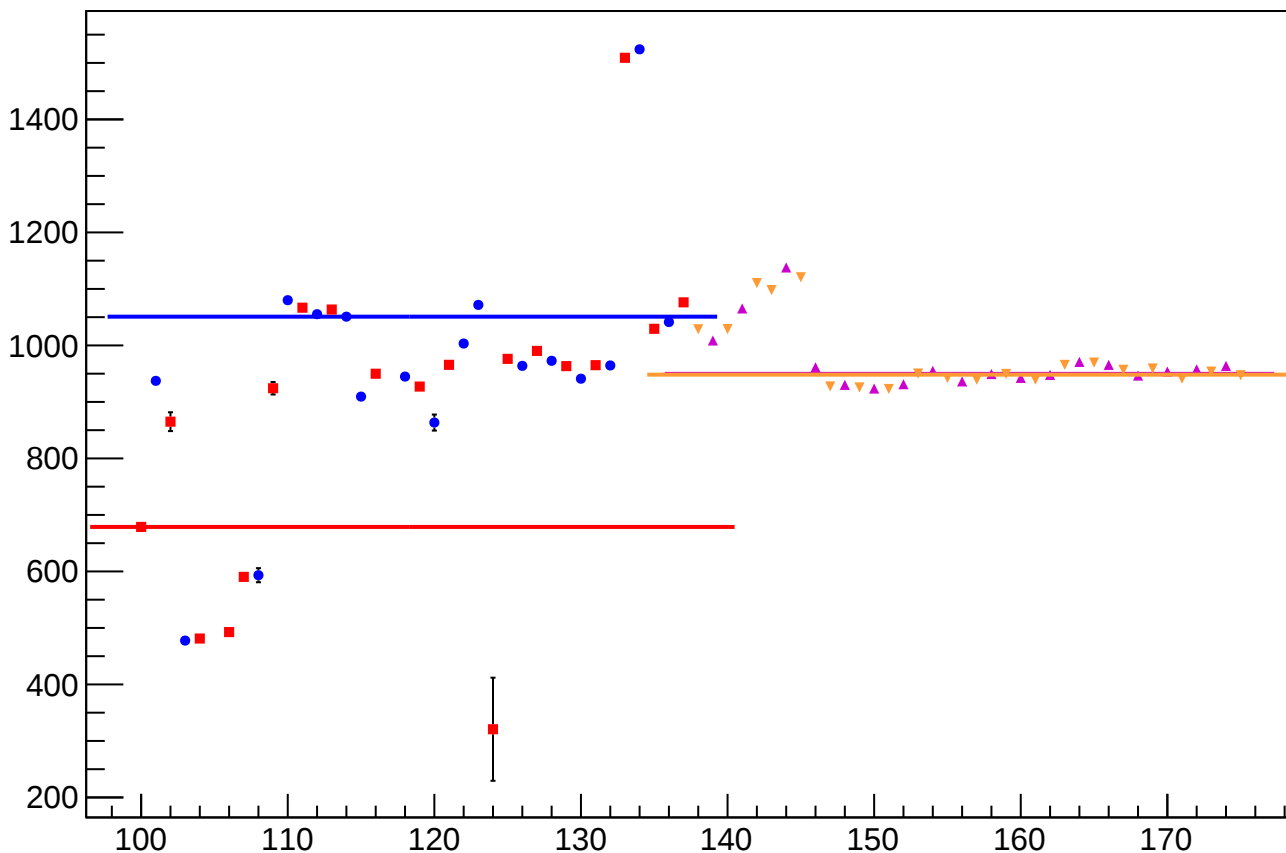
Right: -620.994+/-0.000 χ^2/NDF : 726578.9/35

In: -620.994+/-0.000 χ^2/NDF : 3933629.9/34

Out: -809.596+/-0.116 χ^2/NDF : 1167600.2/38

All: -620.994+/-0.000 χ^2/NDF : 7724977.9/73

dit_atr2_4eX_slope vs Slug, Sign Corrected



Right In: 1050.885 ± 0.000 $\chi^2/\text{NDF}: 296535.3/16$

Left Out: 948.240 ± 0.109 $\chi^2/\text{NDF}: 70535.4/19$

Right Out: 678.756 ± 0.000 $\chi^2/\text{NDF}: 1421757.7/18$

Left In: 949.654 ± 0.113 $\chi^2/\text{NDF}: 76130.6/17$

Left: 948.920 ± 0.078 $\chi^2/\text{NDF}: 146747.3/37$

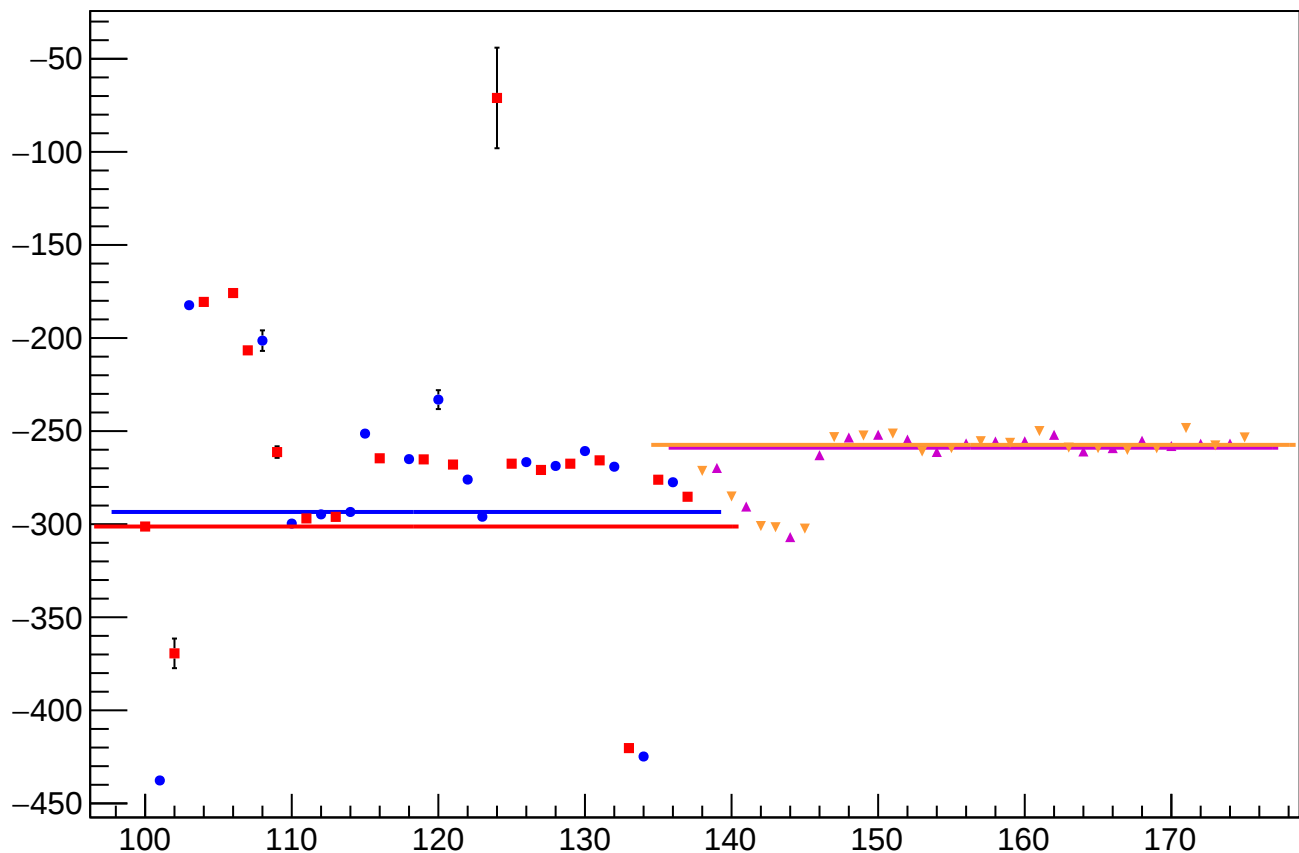
Right: 717.012 ± 0.000 $\chi^2/\text{NDF}: 660888056800884$

In: 1050.885 ± 0.000 $\chi^2/\text{NDF}: 1175220.9/34$

Out: 678.756 ± 0.000 $\chi^2/\text{NDF}: 7638750.7/38$

All: 717.012 ± 0.000 $\chi^2/\text{NDF}: 660888056800$

dit_atr2_11X12X_slope vs Slug, Sign Corrected



Right In: -293.440+/-0.000 χ^2/NDF : 806123.9/16

Left Out: -257.396+/-0.020 χ^2/NDF :170842.5/19

Right Out: -301.259+/-0.000 χ^2/NDF : 709937.5/18

Left In: -258.919+/-0.020 χ^2/NDF :189125.3/17

Left: -258.162+/-0.014 χ^2/NDF : 362801.1/37

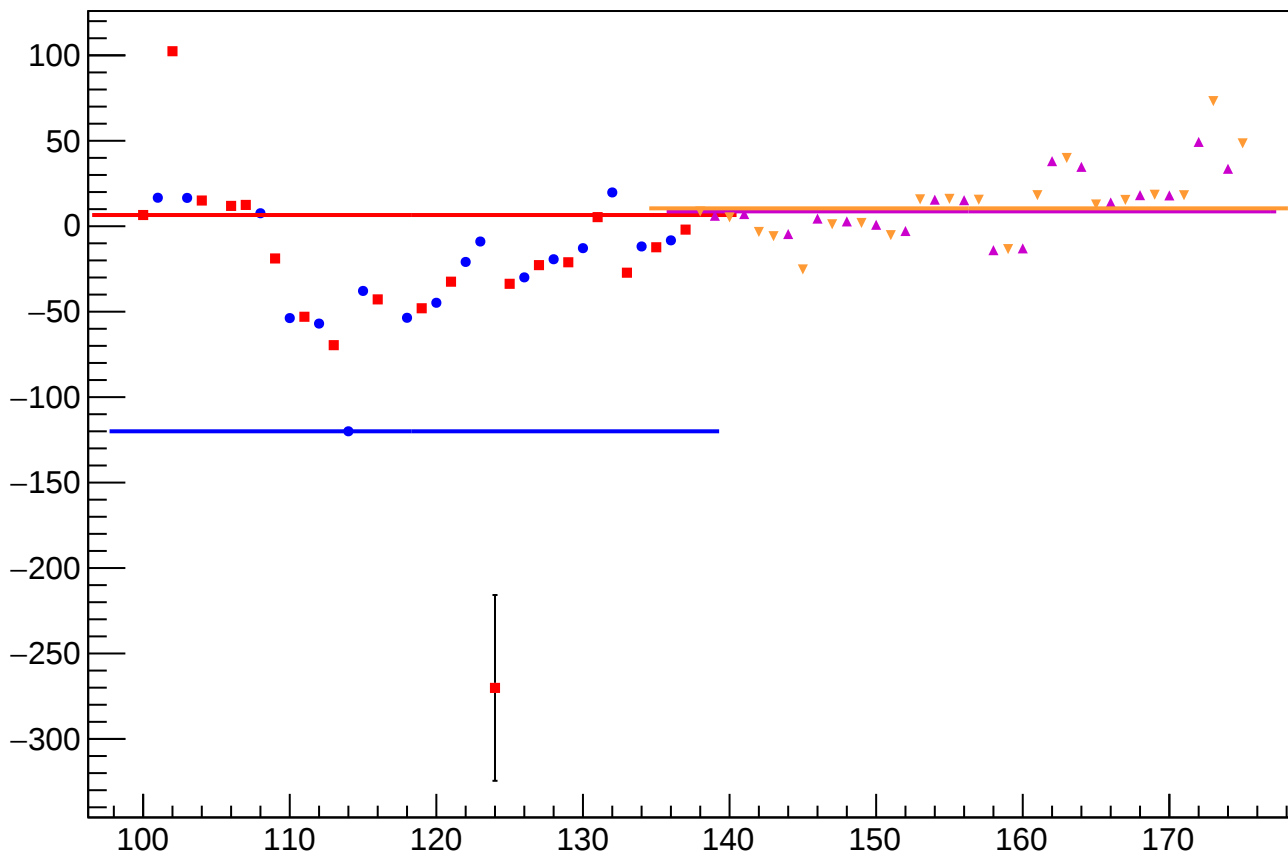
Right: -296.200+/-0.000 χ^2/NDF : 73444542243591

In: -293.440+/-0.000 χ^2/NDF :3923870.5/34

Out: -301.259+/-0.000 χ^2/NDF :5555841.5/38

All: -296.200+/-0.000 χ^2/NDF : 73444542243

dit_atr2_4aY_slope vs Slug, Sign Corrected



Right In: -119.993 $\pm$ 0.000 χ^2 /NDF: 1507310.0/16

Left Out: 10.466 $\pm$ 0.021 χ^2 /NDF:437708.3/19

Right Out: 6.562 $\pm$ 0.000 χ^2 /NDF: 110723.7/18

Left In: 8.696 $\pm$ 0.020 χ^2 /NDF:558874.5/17

Left: 9.540 $\pm$ 0.014 χ^2 /NDF: 1000333.7/37

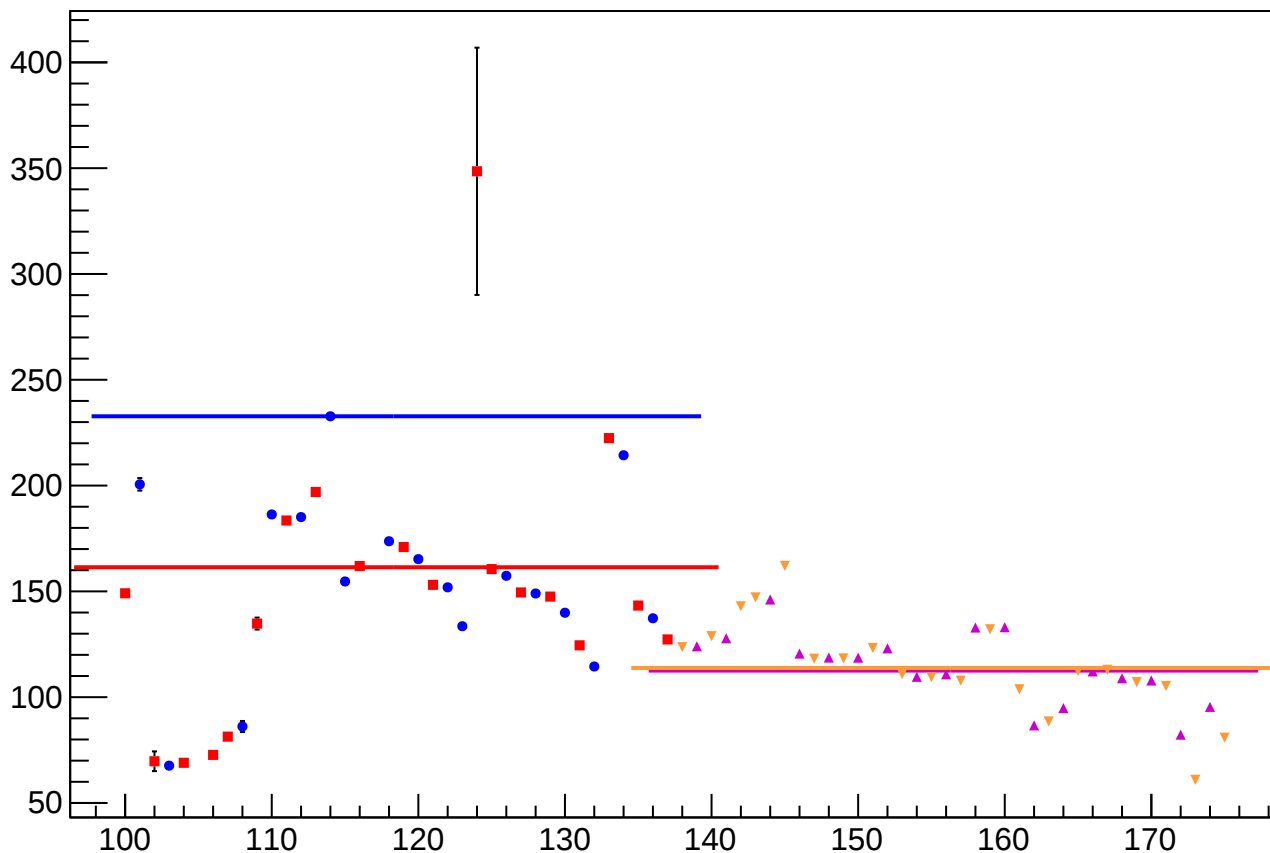
Right: 6.462 $\pm$ 0.000 χ^2 /NDF: 96855847891730169

In: -119.993 $\pm$ 0.000 χ^2 /NDF:43686907.7/34

Out: 6.562 $\pm$ 0.000 χ^2 /NDF:583281.6/38

All: 6.462 $\pm$ 0.000 χ^2 /NDF: 96855847891730

dit_atr2_4eY_slope vs Slug, Sign Corrected



Right In: 232.747 ± 0.000 $\chi^2/\text{NDF}: 885111.3/16$

Left Out: 113.817 ± 0.025 $\chi^2/\text{NDF}: 249756.7/19$

Right Out: 161.402 ± 0.086 $\chi^2/\text{NDF}: 158469.5/18$

Left In: 112.558 ± 0.021 $\chi^2/\text{NDF}: 385775.7/17$

Left: 113.090 ± 0.016 $\chi^2/\text{NDF}: 636985.6/37$

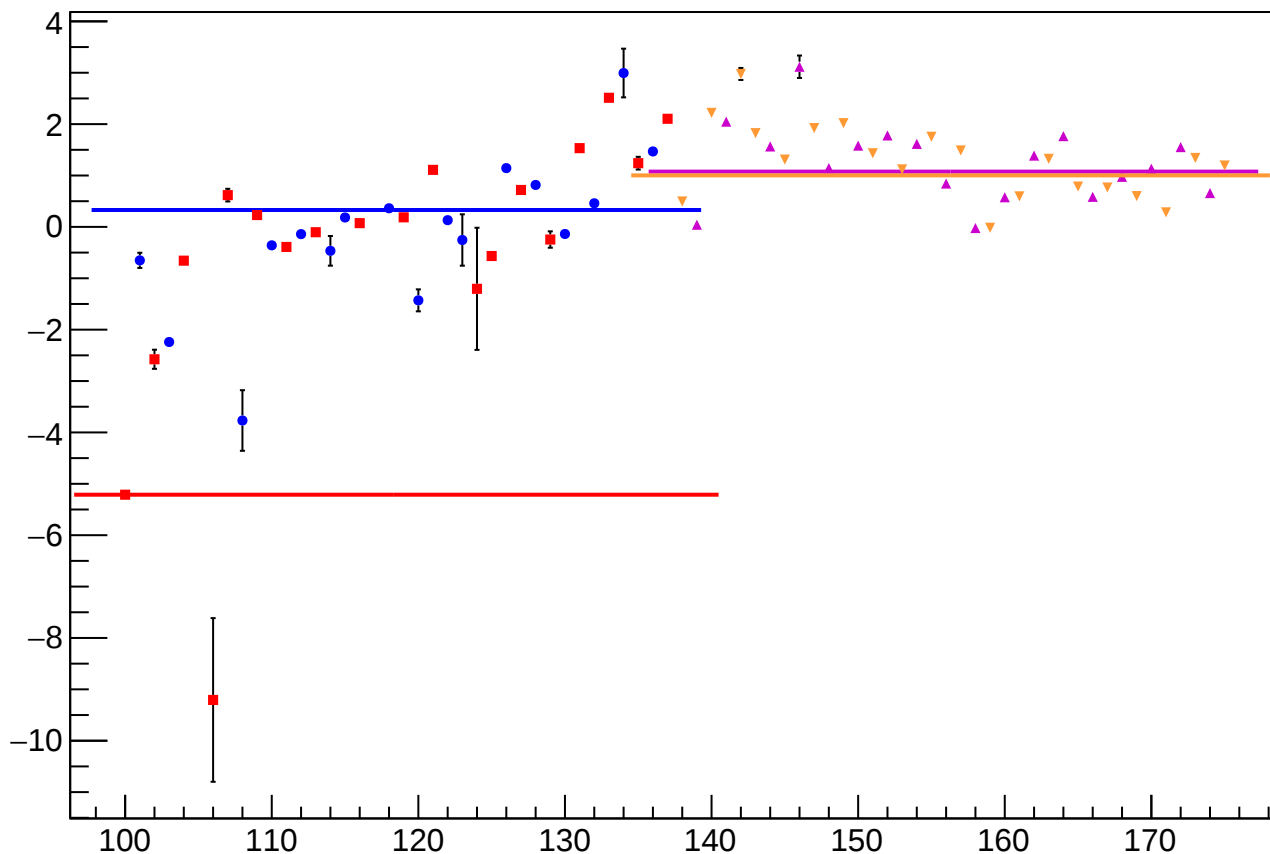
Right: 232.747 ± 0.000 $\chi^2/\text{NDF}: 1727131.7/35$

In: 232.747 ± 0.000 $\chi^2/\text{NDF}: 32616280.7/34$

Out: 117.523 ± 0.024 $\chi^2/\text{NDF}: 688625.4/38$

All: 232.747 ± 0.000 $\chi^2/\text{NDF}: 56195604.9/73$

dit_sam1_4aX_slope vs Slug, Sign Corrected



Right In: 0.329 ± 0.013 $\chi^2/\text{NDF}: 4100.2/16$

Left Out: 1.002 ± 0.008 $\chi^2/\text{NDF}: 5850.8/19$

Right Out: -5.212 ± 0.000 $\chi^2/\text{NDF}: 500748.8/18$

Left In: 1.076 ± 0.007 $\chi^2/\text{NDF}: 6951.6/17$

Left: 1.043 ± 0.005 $\chi^2/\text{NDF}: 12849.9/37$

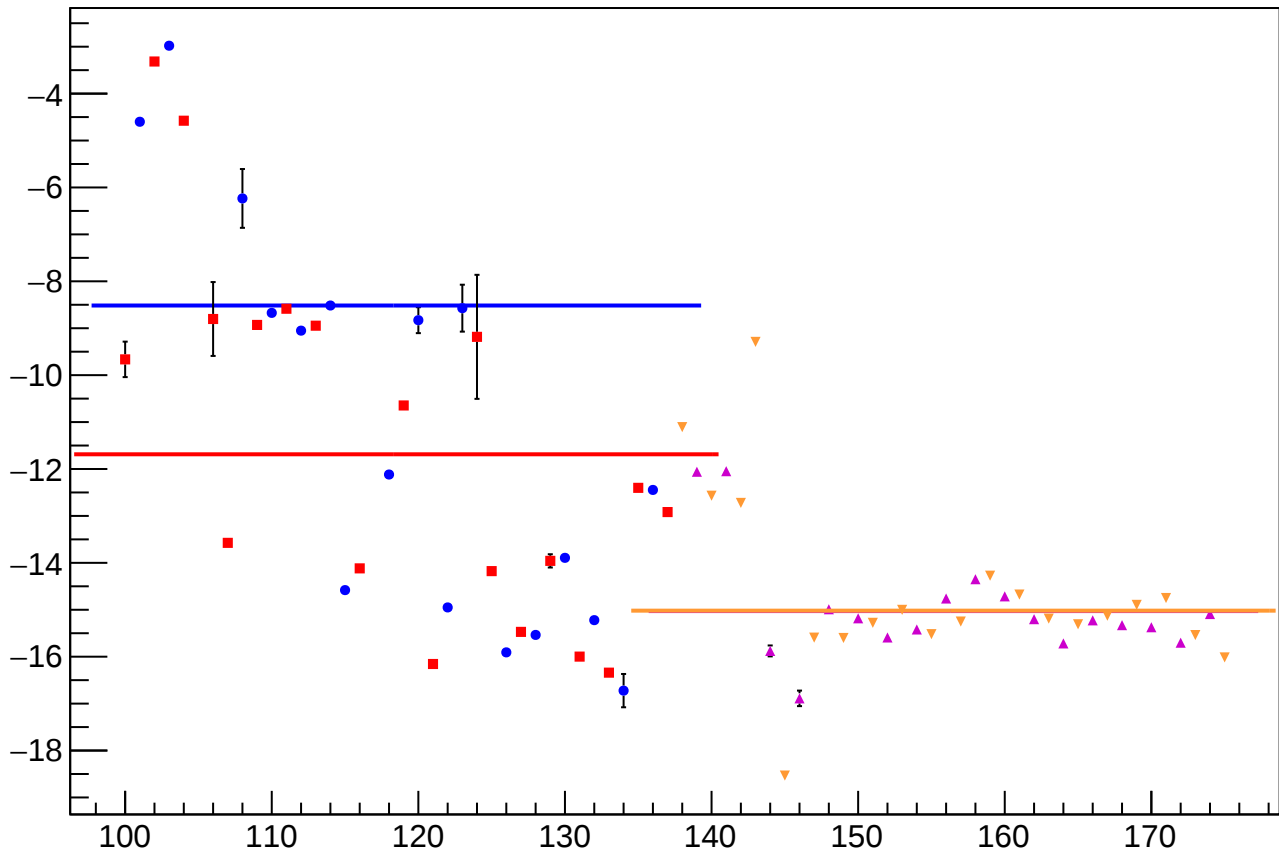
Right: -5.212 ± 0.000 $\chi^2/\text{NDF}: 690660.4/35$

In: 0.899 ± 0.006 $\chi^2/\text{NDF}: 13631.3/34$

Out: -5.212 ± 0.000 $\chi^2/\text{NDF}: 1121980.0/38$

All: -5.212 ± 0.000 $\chi^2/\text{NDF}: 2092166.7/73$

dit_sam1_4eX_slope vs Slug, Sign Corrected



Right In: -8.516 ± 0.000 $\chi^2/\text{NDF}: 245356.0/16$

Left Out: -15.019 ± 0.006 $\chi^2/\text{NDF}: 34526.1/19$

Right Out: -11.687 ± 0.012 $\chi^2/\text{NDF}: 108168.0/18$

Left In: -15.028 ± 0.006 $\chi^2/\text{NDF}: 12906.7/17$

Left: -15.024 ± 0.004 $\chi^2/\text{NDF}: 47433.8/37$

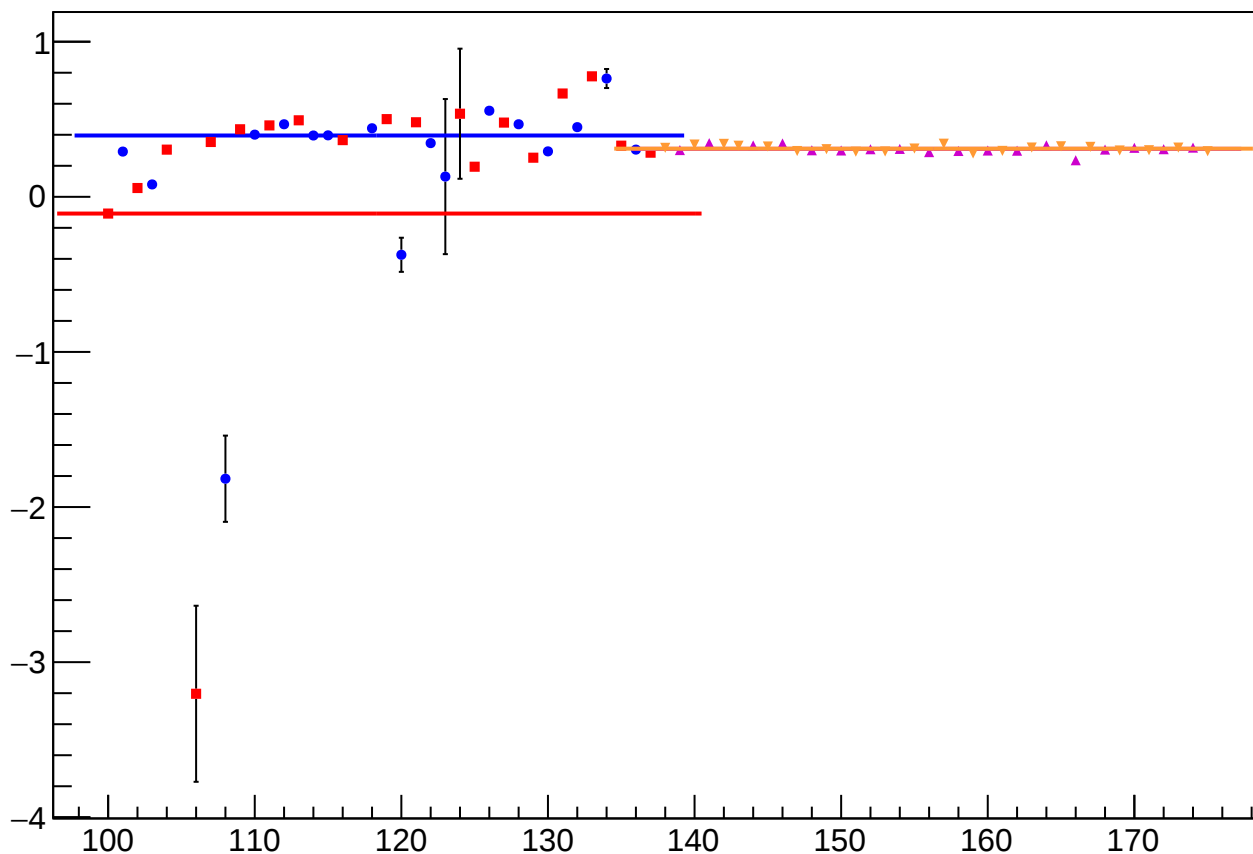
Right: -8.516 ± 0.000 $\chi^2/\text{NDF}: 428263.5/35$

In: -8.516 ± 0.000 $\chi^2/\text{NDF}: 1327042.2/34$

Out: -14.238 ± 0.006 $\chi^2/\text{NDF}: 205902.8/38$

All: -8.516 ± 0.000 $\chi^2/\text{NDF}: 2571756.5/73$

dit_sam1_11X12X_slope vs Slug, Sign Corrected



Right In: 0.395 ± 0.000 χ^2/NDF : 10311.3/16

Left Out: 0.310 ± 0.000 χ^2/NDF : 4828.7/19

Right Out: -0.108 ± 0.000 χ^2/NDF : 128250.0/18

Left In: 0.309 ± 0.000 χ^2/NDF : 2728.8/17

Left: 0.310 ± 0.000 χ^2/NDF : 7572.1/37

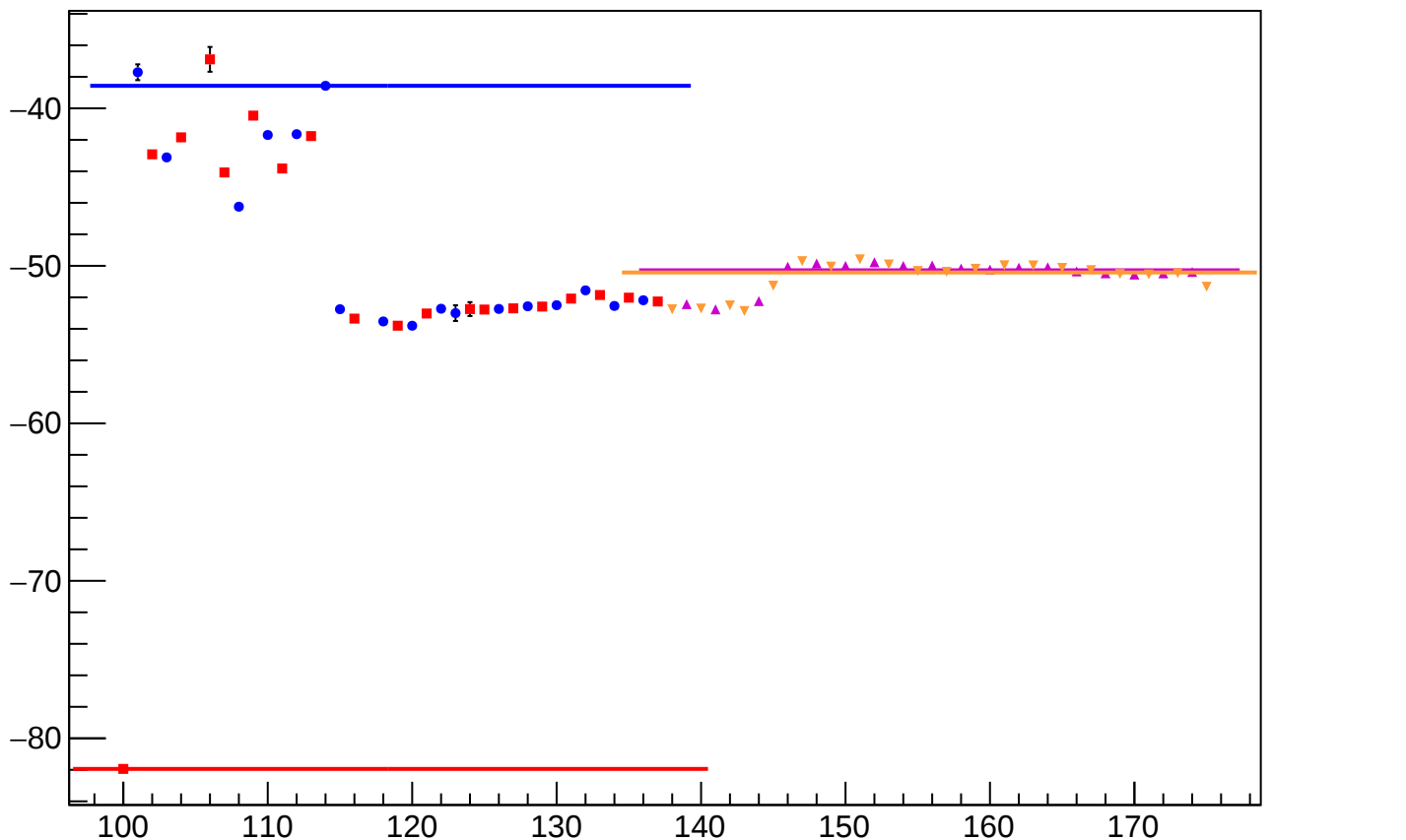
Right: -0.056 ± 0.000 χ^2/NDF : 8110213490538816

In: 0.395 ± 0.000 χ^2/NDF : 130954.4/34

Out: -0.108 ± 0.000 χ^2/NDF : 3189864.3/38

All: -0.056 ± 0.000 χ^2/NDF : 8110213490538

dit_sam1_4aY_slope vs Slug, Sign Corrected



Right In: -38.570 ± 0.000 $\chi^2/\text{NDF}: 12311757.7/16$

Left Out: -50.422 ± 0.002 $\chi^2/\text{NDF}: 246869.1/19$

Right Out: -81.941 ± 0.000 $\chi^2/\text{NDF}: 120351577.0/18$

Left In: -50.284 ± 0.001 $\chi^2/\text{NDF}: 165455.0/17$

Left: -50.342 ± 0.001 $\chi^2/\text{NDF}: 417001.4/37$

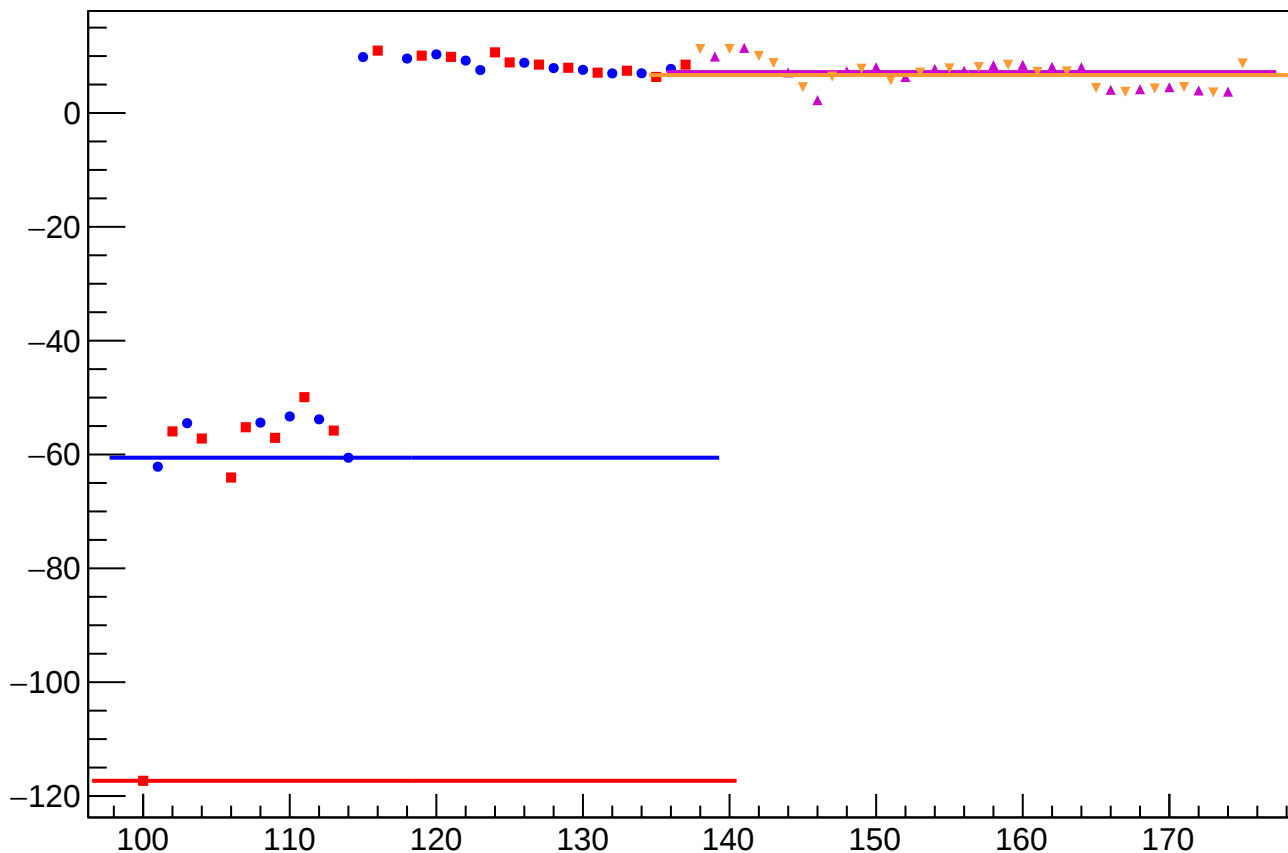
Right: -43.774 ± 0.000 $\chi^2/\text{NDF}: 491816286535349$

In: -38.570 ± 0.000 $\chi^2/\text{NDF}: 92576358.8/34$

Out: -81.941 ± 0.000 $\chi^2/\text{NDF}: 543796184.7/38$

All: -43.774 ± 0.000 $\chi^2/\text{NDF}: 491816286535$

dit_sam1_4eY_slope vs Slug, Sign Corrected



Right In: -60.561 $\pm$ 0.000 χ^2 /NDF: 179199478.6/16

Left Out: 6.662 $\pm$ 0.004 χ^2 /NDF: 307354.6/19

Right Out: -117.324 $\pm$ 0.000 χ^2 /NDF: 218537776.8/18

Left In: 7.182 $\pm$ 0.003 χ^2 /NDF: 197186.4/17

Left: 6.943 $\pm$ 0.003 χ^2 /NDF: 514772.2/37

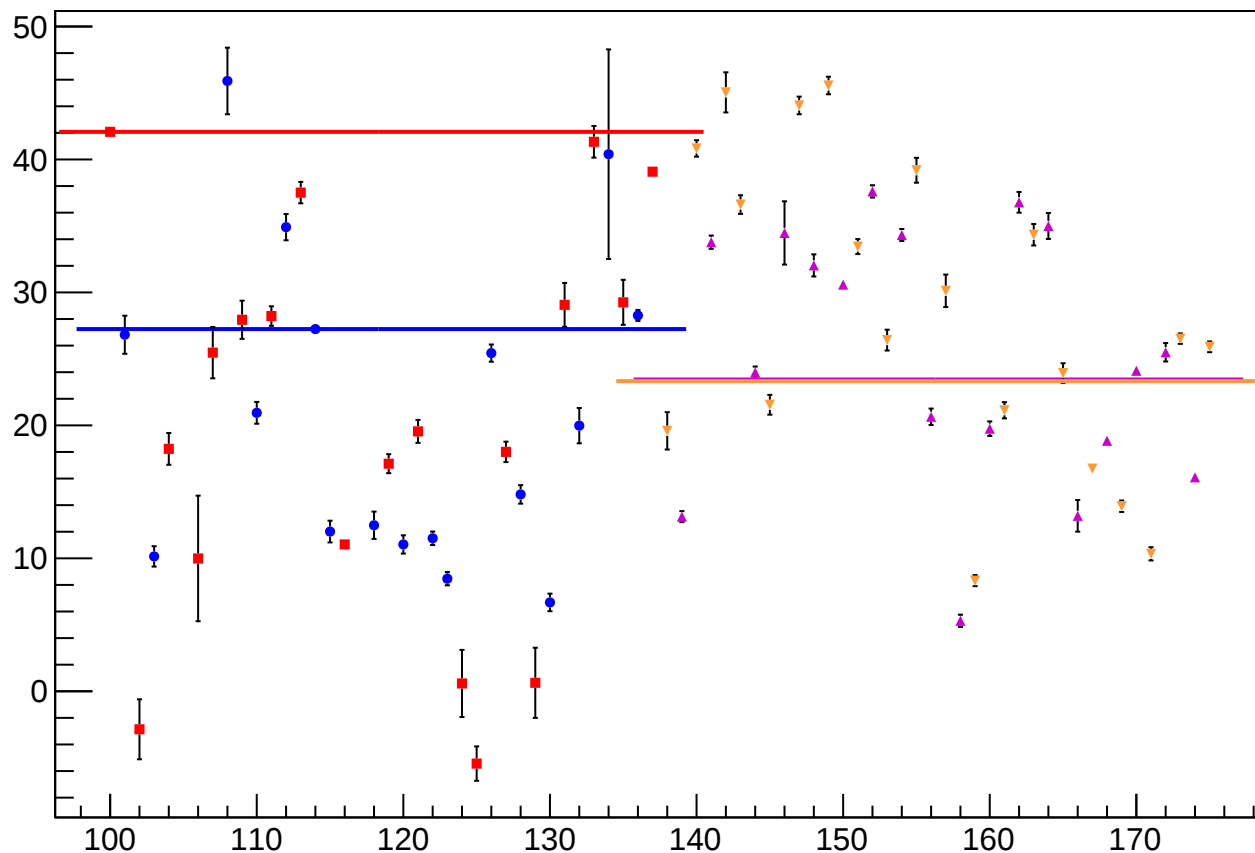
Right: -91.839 $\pm$ 0.000 χ^2 /NDF: 429805156128459

In: -60.561 $\pm$ 0.000 χ^2 /NDF: 557640777.9/34

Out: -117.324 $\pm$ 0.000 χ^2 /NDF: 1297235910.2/38

All: -91.839 $\pm$ 0.000 χ^2 /NDF: 429805156128

dit_sam2_4aX_slope vs Slug, Sign Corrected



Right In: 27.244 $\pm$ 0.000 χ^2 /NDF: 5492.1/16

Left Out: 23.329 $\pm$ 0.122 χ^2 /NDF: 7517.9/19

Right Out: 42.078 $\pm$ 0.000 χ^2 /NDF: 38215.8/18

Left In: 23.452 $\pm$ 0.109 χ^2 /NDF: 6112.5/17

Left: 23.398 $\pm$ 0.081 χ^2 /NDF: 13631.0/37

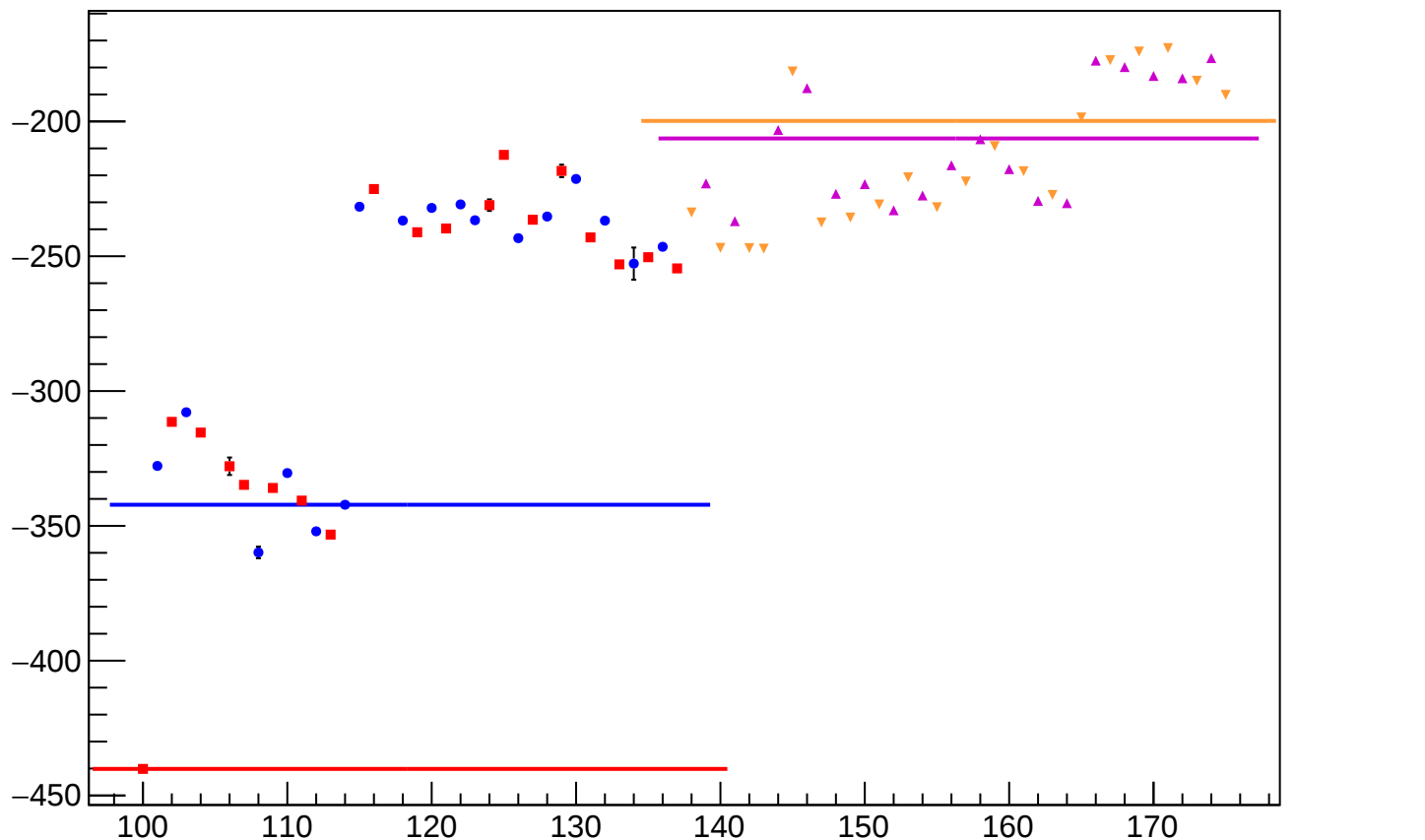
Right: 35.418 $\pm$ 0.000 χ^2 /NDF: 1174117197606931

In: 27.244 $\pm$ 0.000 χ^2 /NDF: 12816.3/34

Out: 42.078 $\pm$ 0.000 χ^2 /NDF: 69163.1/38

All: 35.418 $\pm$ 0.000 χ^2 /NDF: 1174117197606

dit_sam2_4eX_slope vs Slug, Sign Corrected



Right In: -342.165 ± 0.000 $\chi^2/\text{NDF}: 307562.3/16$

Left Out: -199.797 ± 0.101 $\chi^2/\text{NDF}: 61566.6/19$

Right Out: -440.136 ± 0.000 $\chi^2/\text{NDF}: 6836158.8/18$

Left In: -206.320 ± 0.095 $\chi^2/\text{NDF}: 53851.3/17$

Left: -203.265 ± 0.069 $\chi^2/\text{NDF}: 117618.1/37$

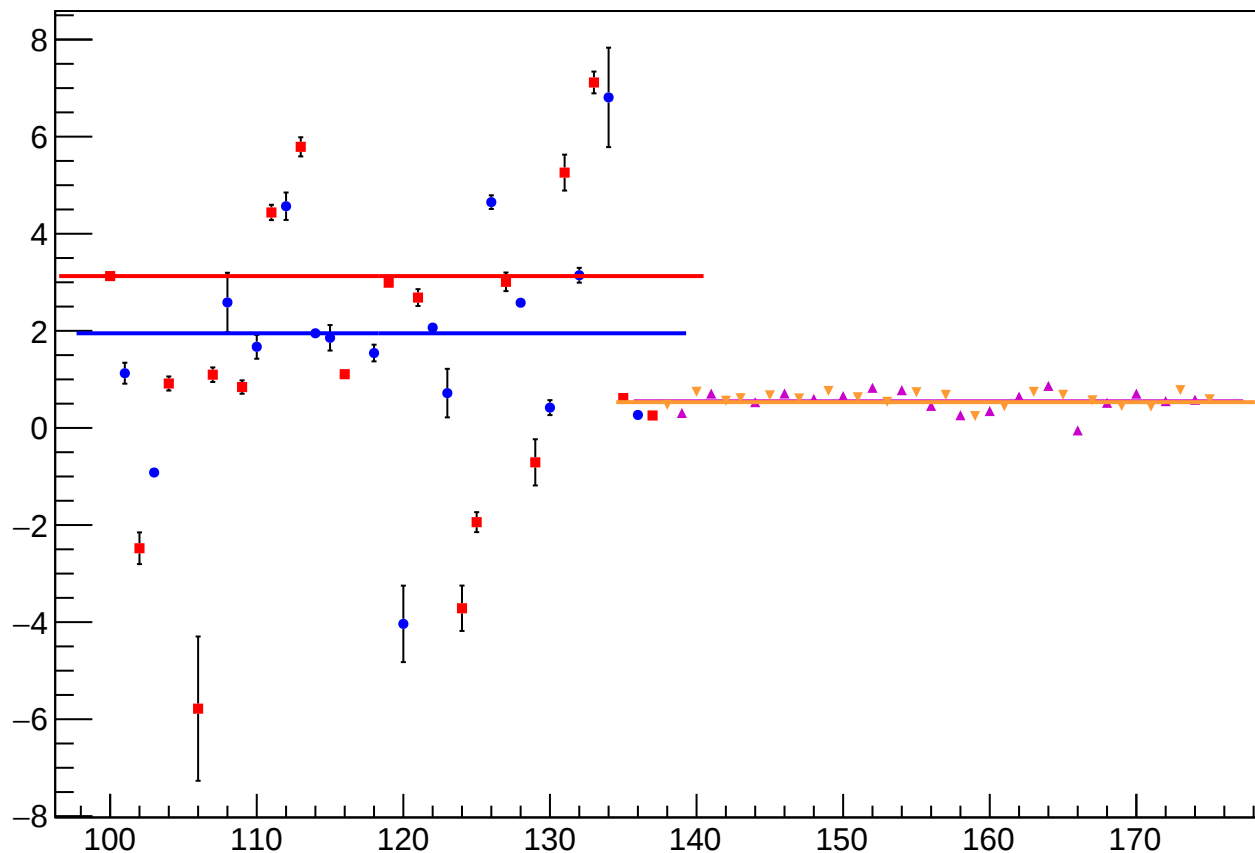
Right: -376.743 ± 0.000 $\chi^2/\text{NDF}: 11532667116612$

In: -342.165 ± 0.000 $\chi^2/\text{NDF}: 2398527.3/34$

Out: -440.136 ± 0.000 $\chi^2/\text{NDF}: 12514769.7/38$

All: -376.743 ± 0.000 $\chi^2/\text{NDF}: 11532667116$

dit_sam2_11X12X_slope vs Slug, Sign Corrected



Right In: 1.950 $\pm$ 0.000 χ^2 /NDF: 64103.9/16

Left Out: 0.531 $\pm$ 0.002 χ^2 /NDF:9541.5/19

Right Out: 3.128 $\pm$ 0.000 χ^2 /NDF: 24965.4/18

Left In: 0.549 $\pm$ 0.002 χ^2 /NDF:14153.4/17

Left: 0.541 $\pm$ 0.001 χ^2 /NDF: 23741.9/37

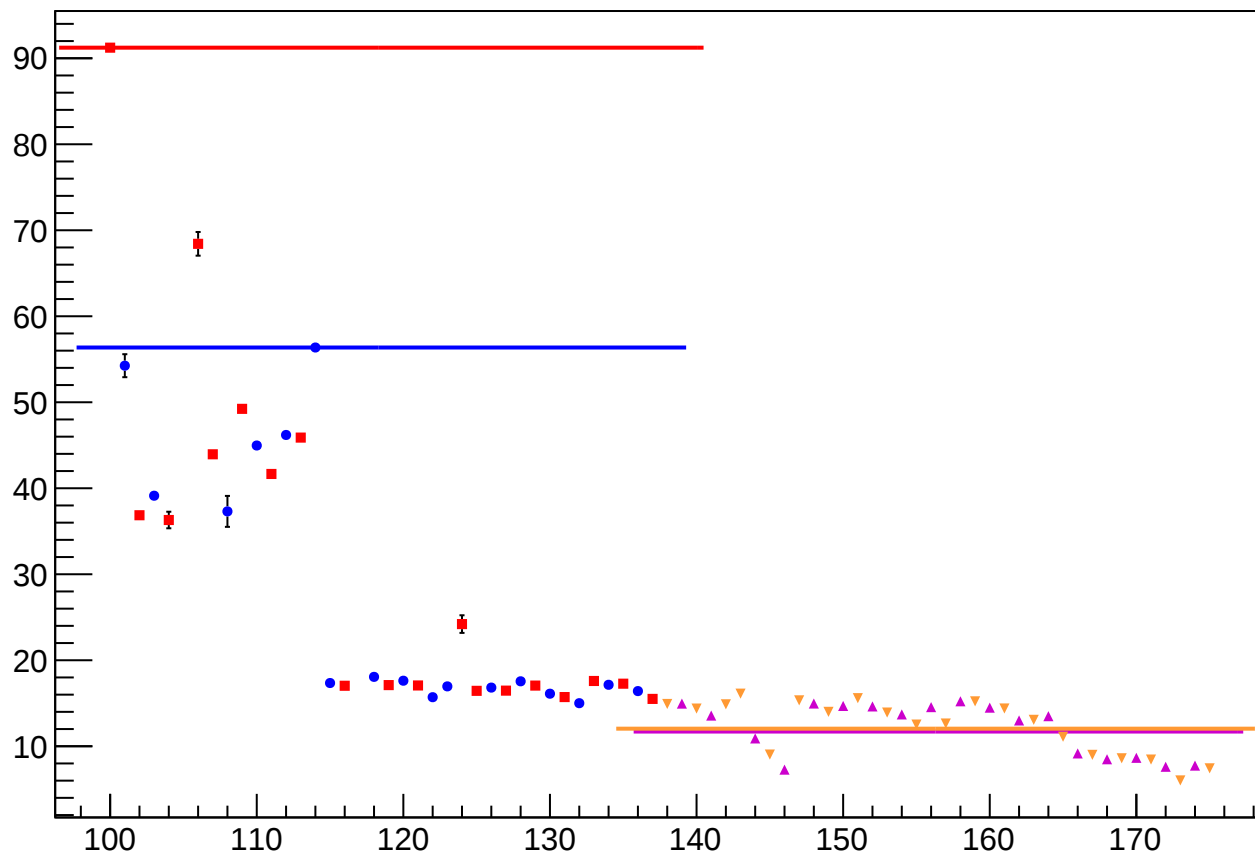
Right: 2.366 $\pm$ 0.000 χ^2 /NDF: 27324586822992261

In: 1.950 $\pm$ 0.000 χ^2 /NDF:766085.8/34

Out: 3.128 $\pm$ 0.000 χ^2 /NDF:1856344.2/38

All: 2.366 $\pm$ 0.000 χ^2 /NDF: 27324586822992

dit_sam2_4aY_slope vs Slug, Sign Corrected



Right In: 56.366+/-0.000 χ^2/NDF : 8017656.1/16

Left Out: 12.044+/-0.008 χ^2/NDF : 184902.1/19

Right Out: 91.232+/-0.000 χ^2/NDF : 17922403.4/18

Left In: 11.709+/-0.007 χ^2/NDF : 183388.2/17

Left: 11.866+/-0.005 χ^2/NDF : 369293.2/37

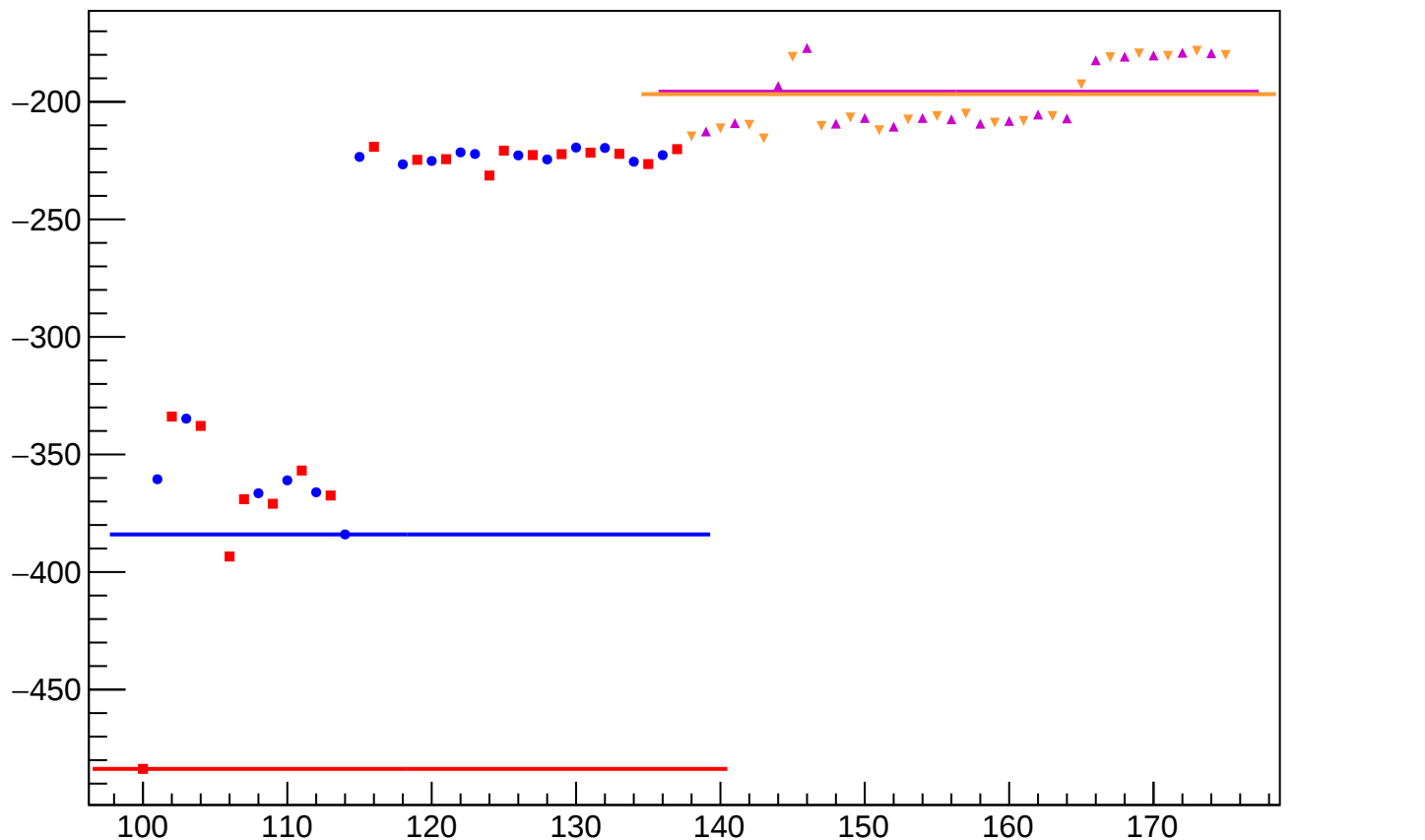
Right: 60.550+/-0.000 χ^2/NDF : 3178336126771154

In: 56.366+/-0.000 χ^2/NDF : 46217013.0/34

Out: 91.232+/-0.000 χ^2/NDF : 122925236.2/38

All: 60.550+/-0.000 χ^2/NDF : 3178336126771

dit_sam2_4eY_slope vs Slug, Sign Corrected



Right In: -384.003+/-0.000 χ^2/NDF : 17098507.2/16

Left Out: -196.740+/-0.015 χ^2/NDF : 992379.9/19

Right Out: -483.735+/-0.000 χ^2/NDF : 27646775.0/18

Left In: -195.714+/-0.013 χ^2/NDF : 1109522.8/17

Left: -196.177+/-0.010 χ^2/NDF : 2104605.7/37

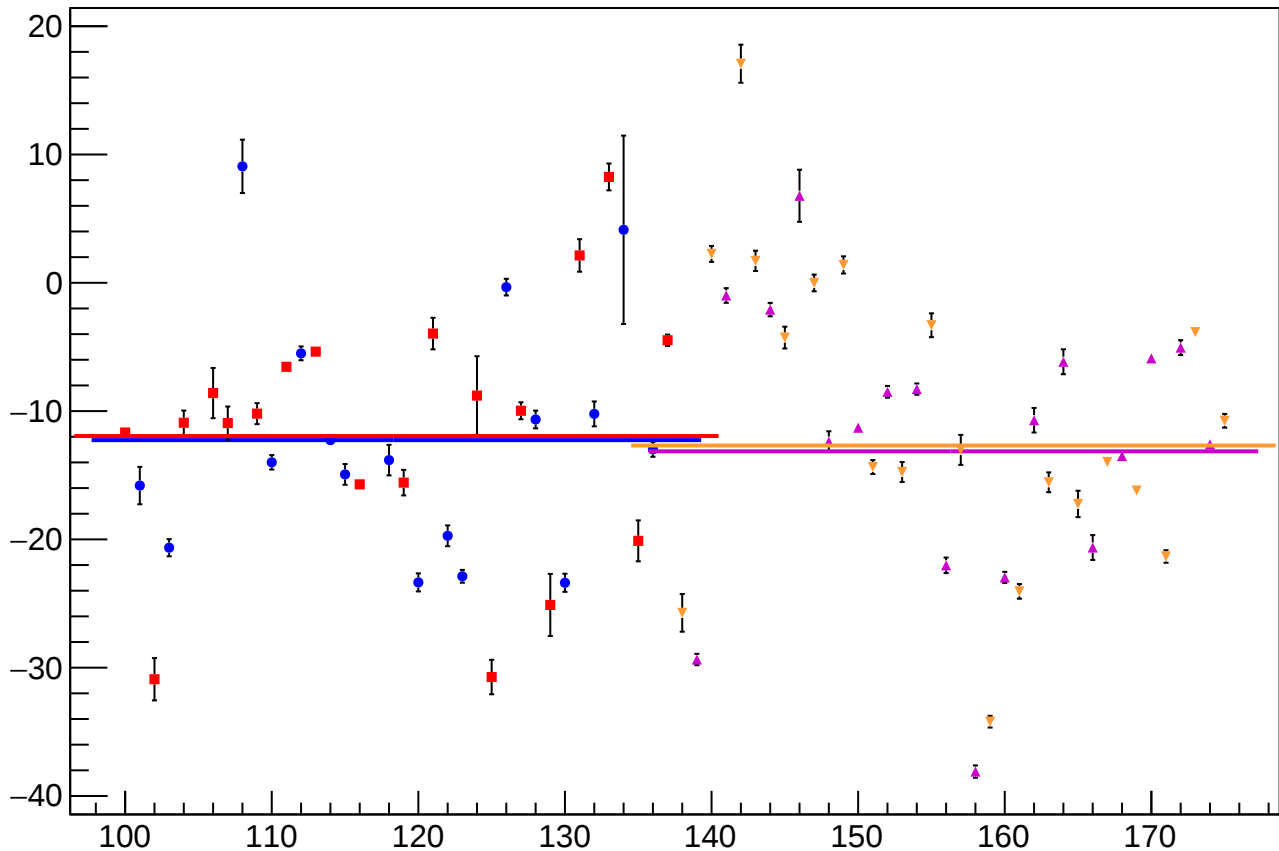
Right: -452.390+/-0.000 χ^2/NDF : 58047820362383

In: -384.003+/-0.000 χ^2/NDF : 219751613.9/34

Out: -483.735+/-0.000 χ^2/NDF : 414209146.1/38

All: -452.390+/-0.000 χ^2/NDF : 58047820362

dit_sam3_4aX_slope vs Slug, Sign Corrected



Right In: -12.264 ± 0.000 $\chi^2/\text{NDF}: 1844.2/16$

Left Out: -12.682 ± 0.126 $\chi^2/\text{NDF}: 6102.0/19$

Right Out: -11.943 ± 0.108 $\chi^2/\text{NDF}: 2527.1/18$

Left In: -13.136 ± 0.111 $\chi^2/\text{NDF}: 6936.7/17$

Left: -12.938 ± 0.083 $\chi^2/\text{NDF}: 13046.1/37$

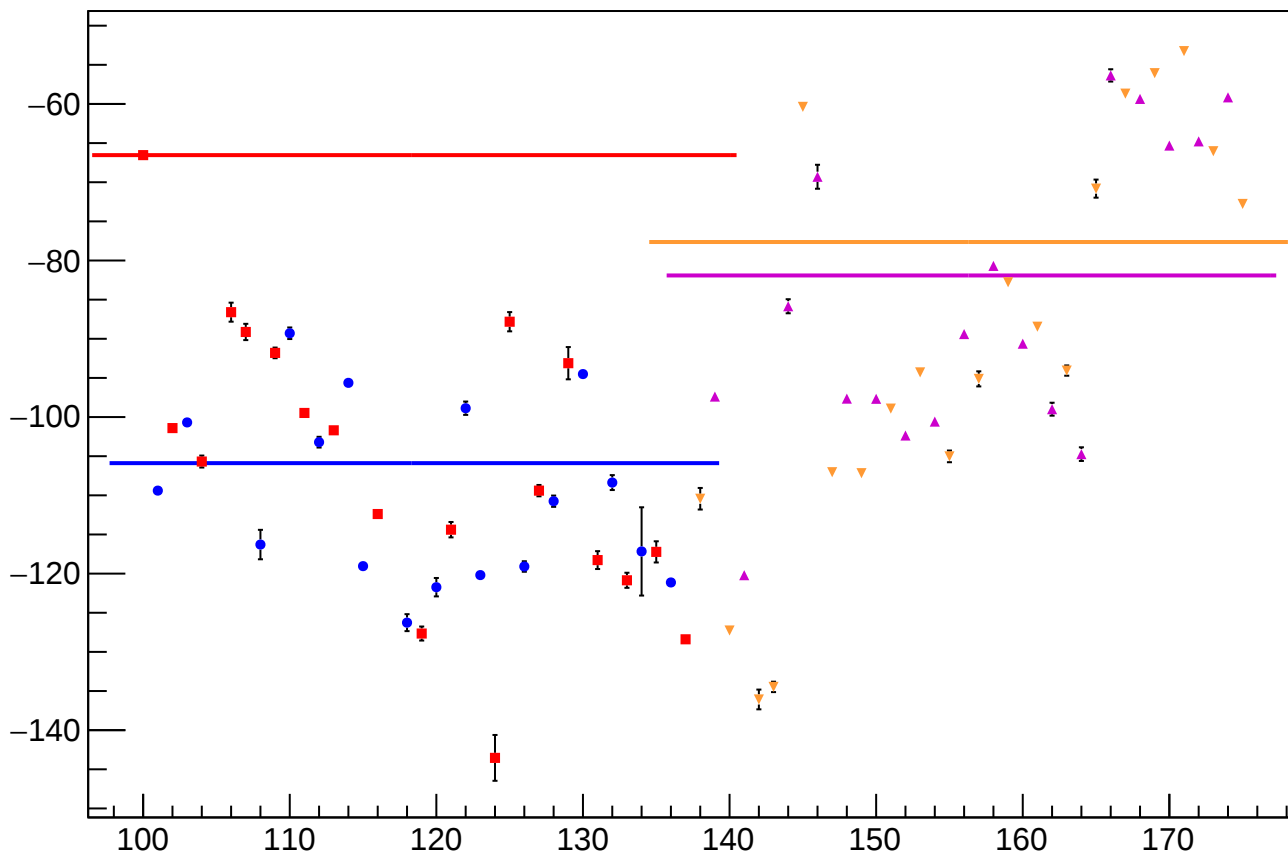
Right: -12.264 ± 0.000 $\chi^2/\text{NDF}: 4380.1/35$

In: -12.264 ± 0.000 $\chi^2/\text{NDF}: 8843.0/34$

Out: -12.256 ± 0.082 $\chi^2/\text{NDF}: 8649.0/38$

All: -12.264 ± 0.000 $\chi^2/\text{NDF}: 17492.0/73$

dit_sam3_4eX_slope vs Slug, Sign Corrected



Right In: -105.886 ± 0.108 χ^2/NDF : 6351.6/16

Left Out: -77.636 ± 0.101 χ^2/NDF : 50710.1/19

Right Out: -66.536 ± 0.000 χ^2/NDF : 794335.4/18

Left In: -81.909 ± 0.093 χ^2/NDF : 41077.3/17

Left: -79.946 ± 0.069 χ^2/NDF : 92751.5/37

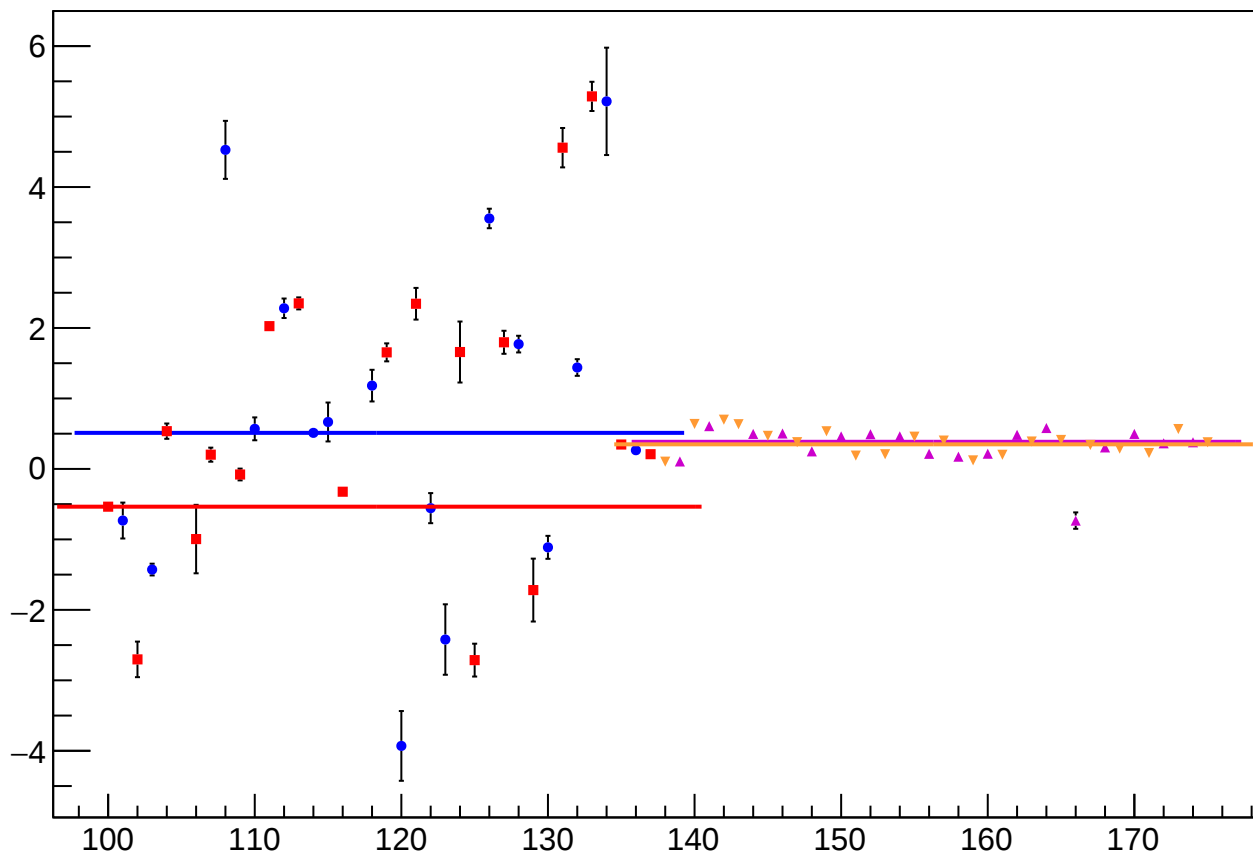
Right: -66.536 ± 0.000 χ^2/NDF : 934616.3/35

In: -92.206 ± 0.070 χ^2/NDF : 75801.7/34

Out: -66.536 ± 0.000 χ^2/NDF : 857082.6/38

All: -66.536 ± 0.000 χ^2/NDF : 1065599.6/73

dit_sam3_11X12X_slope vs Slug, Sign Corrected



Right In: 0.512+/-0.000 χ^2/NDF : 3863.6/16

Left Out: 0.349+/-0.002 χ^2/NDF : 8756.6/19

Right Out: -0.536+/-0.000 χ^2/NDF : 33055.3/18

Left In: 0.385+/-0.002 χ^2/NDF : 8292.1/17

Left: 0.369+/-0.001 χ^2/NDF : 17257.5/37

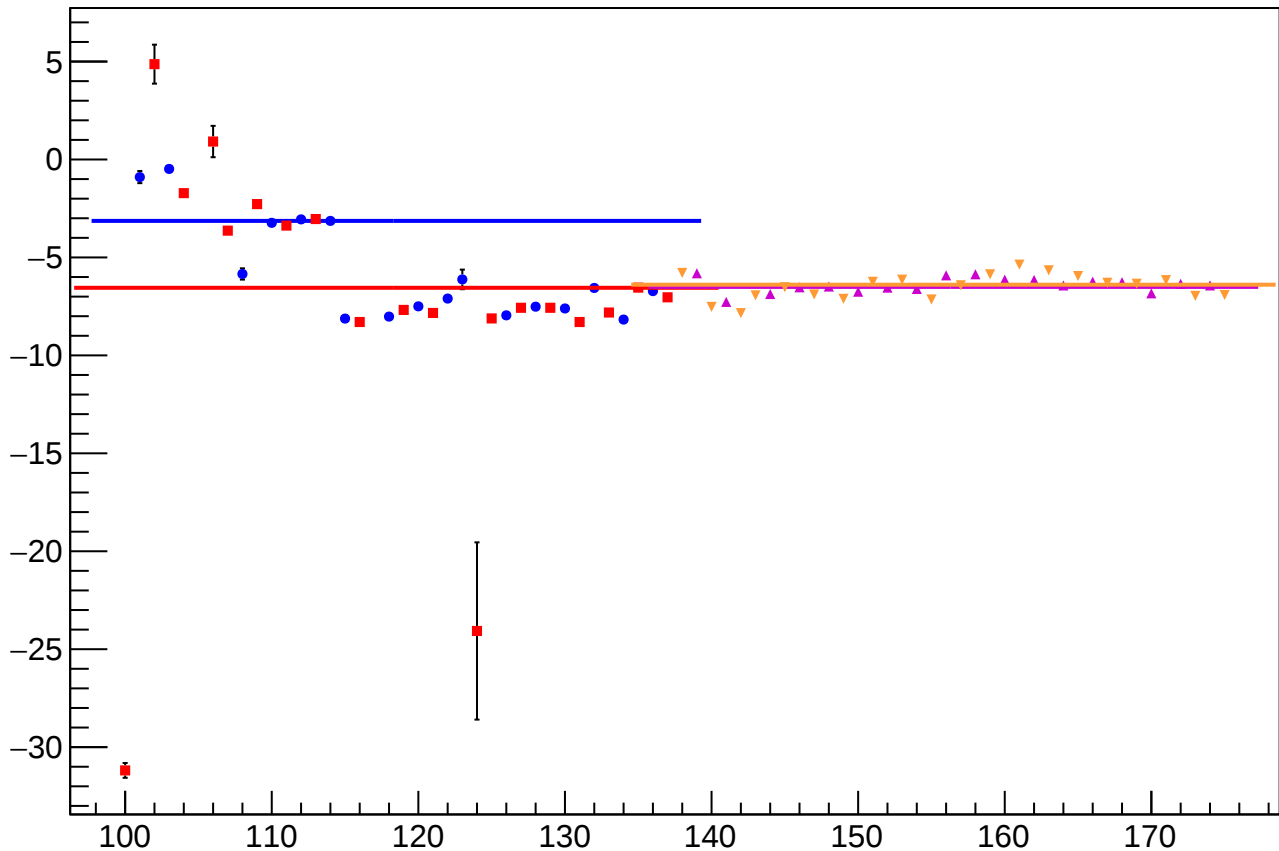
Right: 0.142+/-0.000 χ^2/NDF : 34560328403056077

In: 0.512+/-0.000 χ^2/NDF : 18026.0/34

Out: -0.536+/-0.000 χ^2/NDF : 274122.1/38

All: 0.142+/-0.000 χ^2/NDF : 34560328403056077

dit_sam3_4aY_slope vs Slug, Sign Corrected



Right In: -3.134 ± 0.000 χ^2/NDF : 368547.6/16

Left Out: -6.392 ± 0.005 χ^2/NDF : 6477.5/19

Right Out: -6.549 ± 0.008 χ^2/NDF : 92207.3/18

Left In: -6.504 ± 0.005 χ^2/NDF : 6529.1/17

Left: -6.452 ± 0.003 χ^2/NDF : 13266.2/37

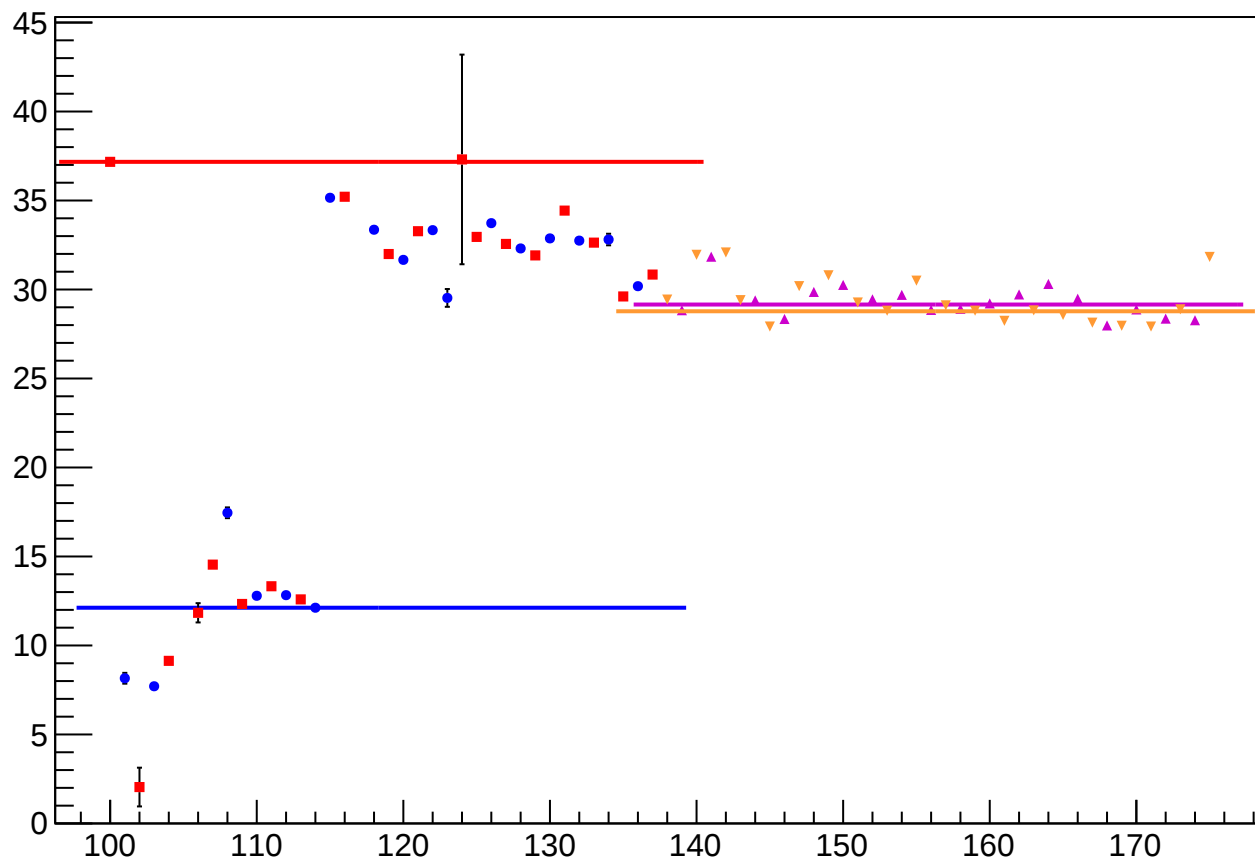
Right: -3.134 ± 0.000 χ^2/NDF : 667054.5/35

In: -3.134 ± 0.000 χ^2/NDF : 879451.3/34

Out: -6.441 ± 0.004 χ^2/NDF : 98985.9/38

All: -3.134 ± 0.000 χ^2/NDF : 1594583.2/73

dit_sam3_4eY_slope vs Slug, Sign Corrected



Right In: 12.121+/-0.000 χ^2/NDF : 1993680.8/16

Left Out: 28.777+/-0.009 χ^2/NDF :14228.8/19

Right Out: 37.173+/-0.000 χ^2/NDF : 1531278.0/18

Left In: 29.156+/-0.009 χ^2/NDF :7533.6/17

Left: 28.973+/-0.006 χ^2/NDF : 22689.8/37

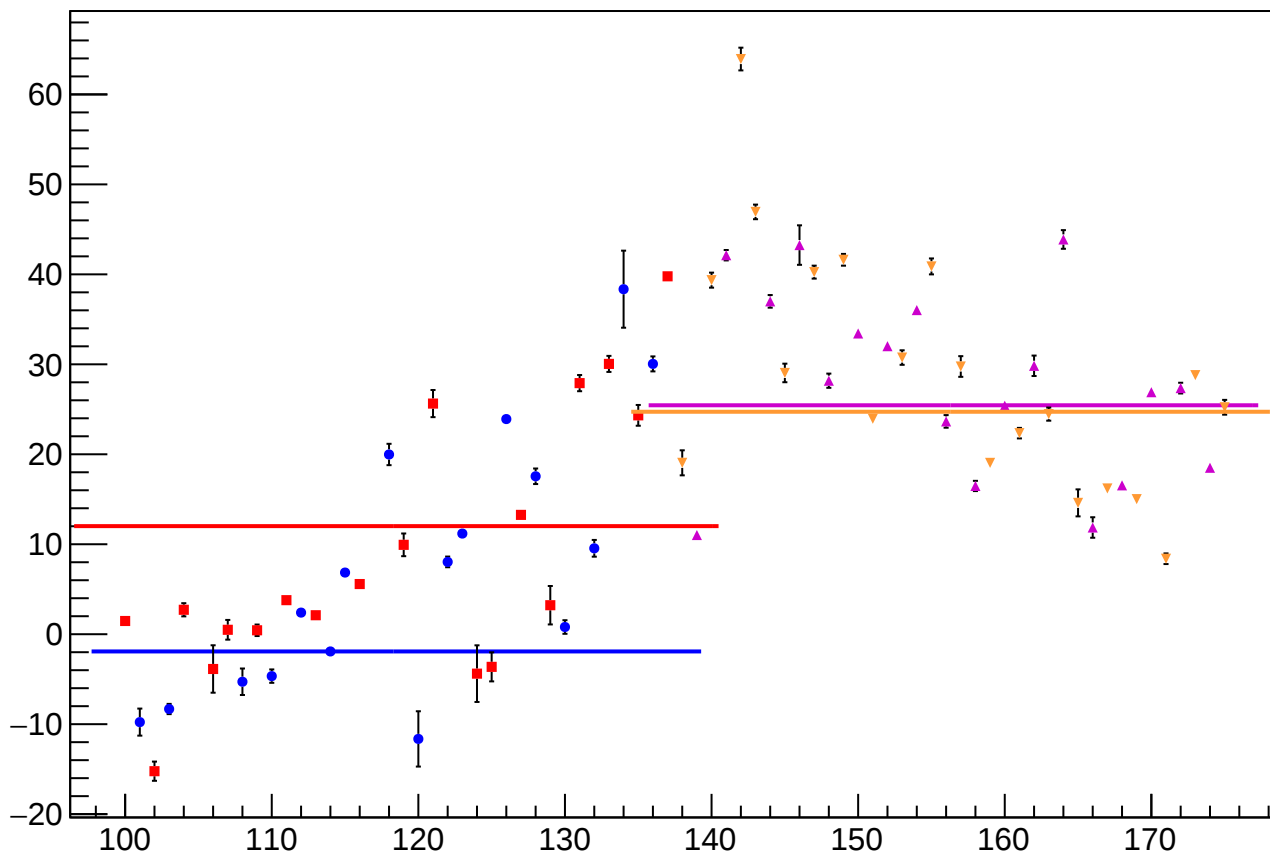
Right: 15.127+/-0.000 χ^2/NDF : 6563554116066231

In: 12.121+/-0.000 χ^2/NDF :5888710.1/34

Out: 37.173+/-0.000 χ^2/NDF :2427926.4/38

All: 15.127+/-0.000 χ^2/NDF : 6563554116066231

dit_sam4_4aX_slope vs Slug, Sign Corrected



Right In: -1.915 ± 0.000 χ^2/NDF : 6338.8/16

Left Out: 24.727 ± 0.140 χ^2/NDF : 5795.2/19

Right Out: 12.014 ± 0.135 χ^2/NDF : 12576.1/18

Left In: 25.447 ± 0.121 χ^2/NDF : 5812.2/17

Left: 25.139 ± 0.091 χ^2/NDF : 11622.6/37

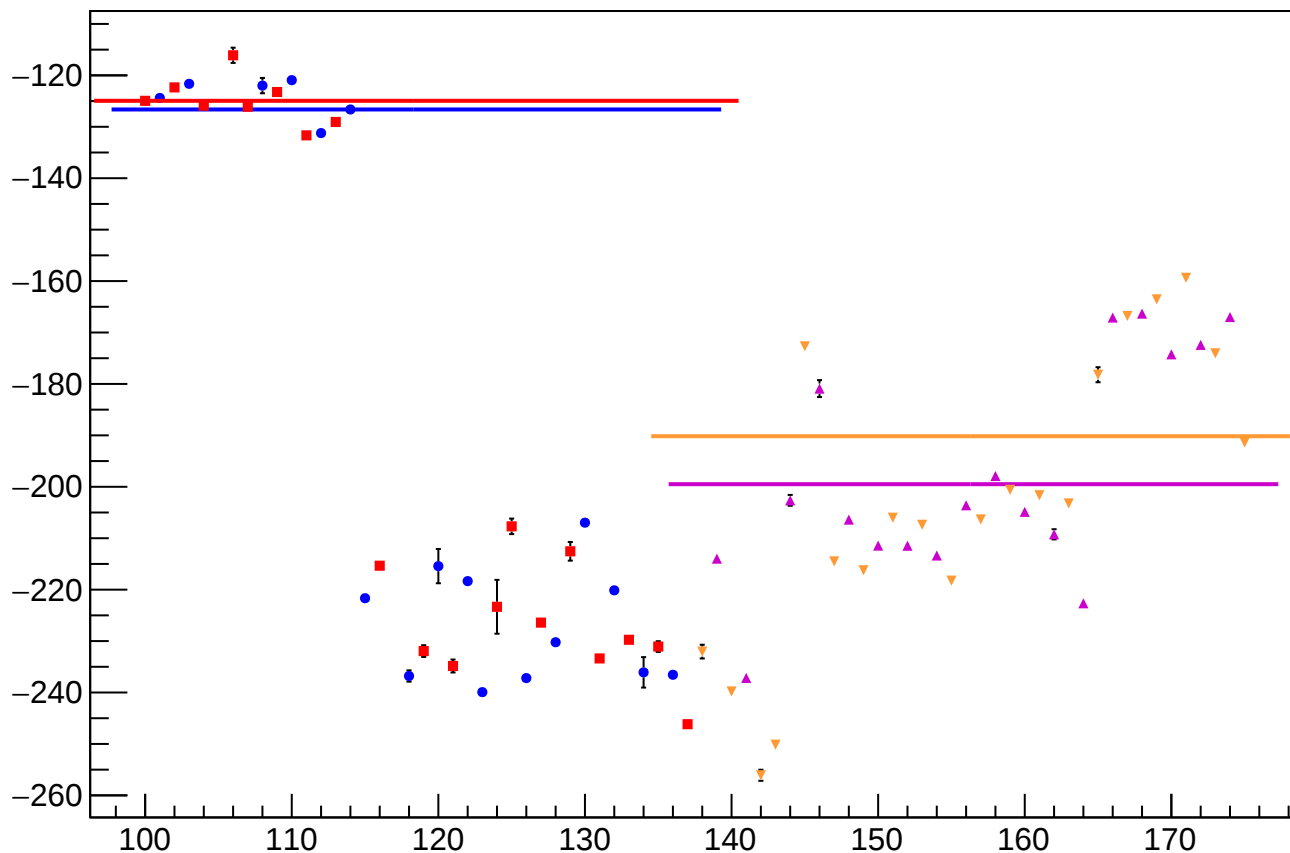
Right: -1.915 ± 0.000 χ^2/NDF : 29534.8/35

In: -1.915 ± 0.000 χ^2/NDF : 63482.1/34

Out: 18.164 ± 0.097 χ^2/NDF : 22651.3/38

All: -1.915 ± 0.000 χ^2/NDF : 128884.9/73

dit_sam4_4eX_slope vs Slug, Sign Corrected



Right In: -126.632 ± 0.000 $\chi^2/\text{NDF}: 278525.1/16$

Left Out: -190.167 ± 0.113 $\chi^2/\text{NDF}: 47698.1/19$

Right Out: -124.949 ± 0.000 $\chi^2/\text{NDF}: 470459.3/18$

Left In: -199.492 ± 0.103 $\chi^2/\text{NDF}: 39316.5/17$

Left: -195.260 ± 0.076 $\chi^2/\text{NDF}: 90741.7/37$

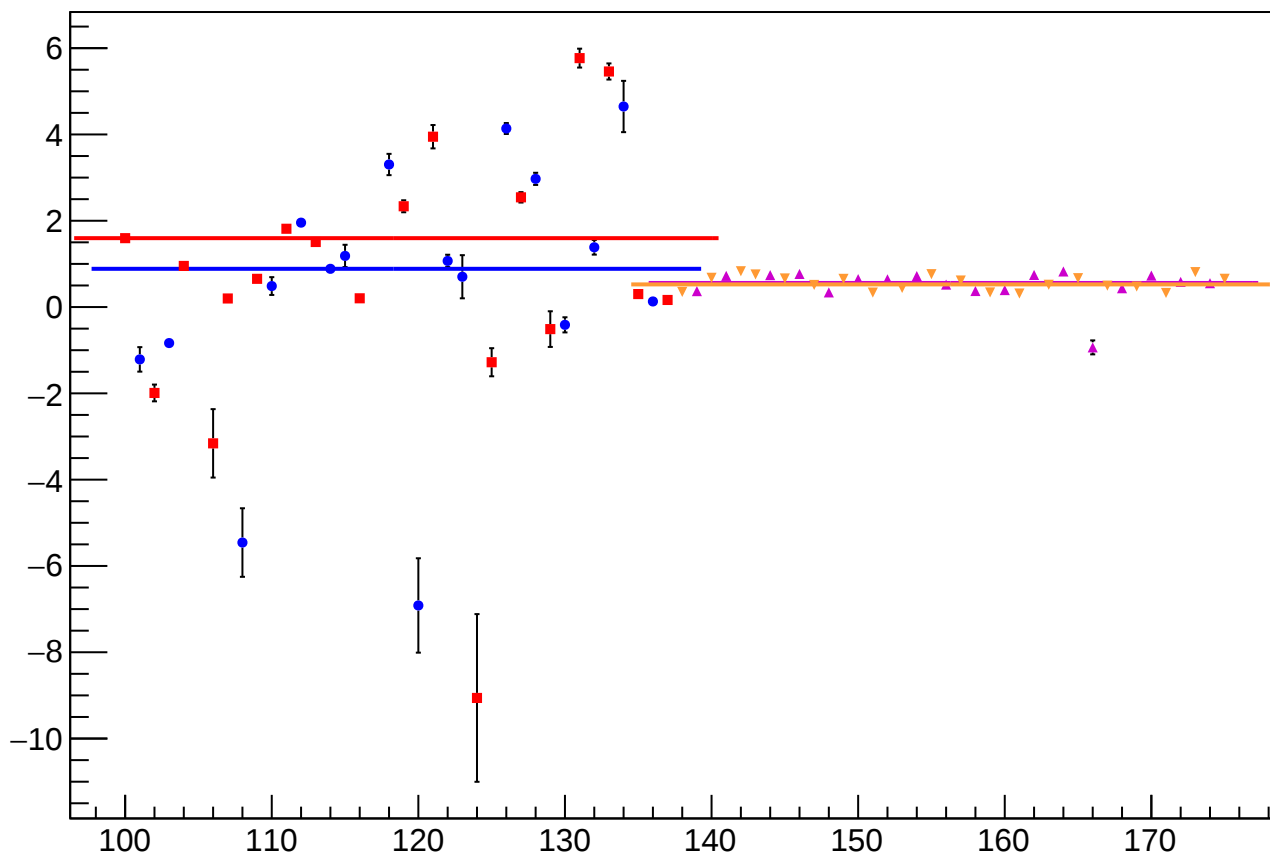
Right: -126.038 ± 0.000 $\chi^2/\text{NDF}: 60537895424820$

In: -126.632 ± 0.000 $\chi^2/\text{NDF}: 819191.5/34$

Out: -124.949 ± 0.000 $\chi^2/\text{NDF}: 851955.8/38$

All: -126.038 ± 0.000 $\chi^2/\text{NDF}: 60537895424$

dit_sam4_11X12X_slope vs Slug, Sign Corrected



Right In: 0.886 $\pm$ 0.000 χ^2 /NDF: 9294.4/16

Left Out: 0.525 $\pm$ 0.002 χ^2 /NDF: 8060.9/19

Right Out: 1.597 $\pm$ 0.000 χ^2 /NDF: 4615.5/18

Left In: 0.558 $\pm$ 0.002 χ^2 /NDF: 5290.5/17

Left: 0.542 $\pm$ 0.001 χ^2 /NDF: 13480.5/37

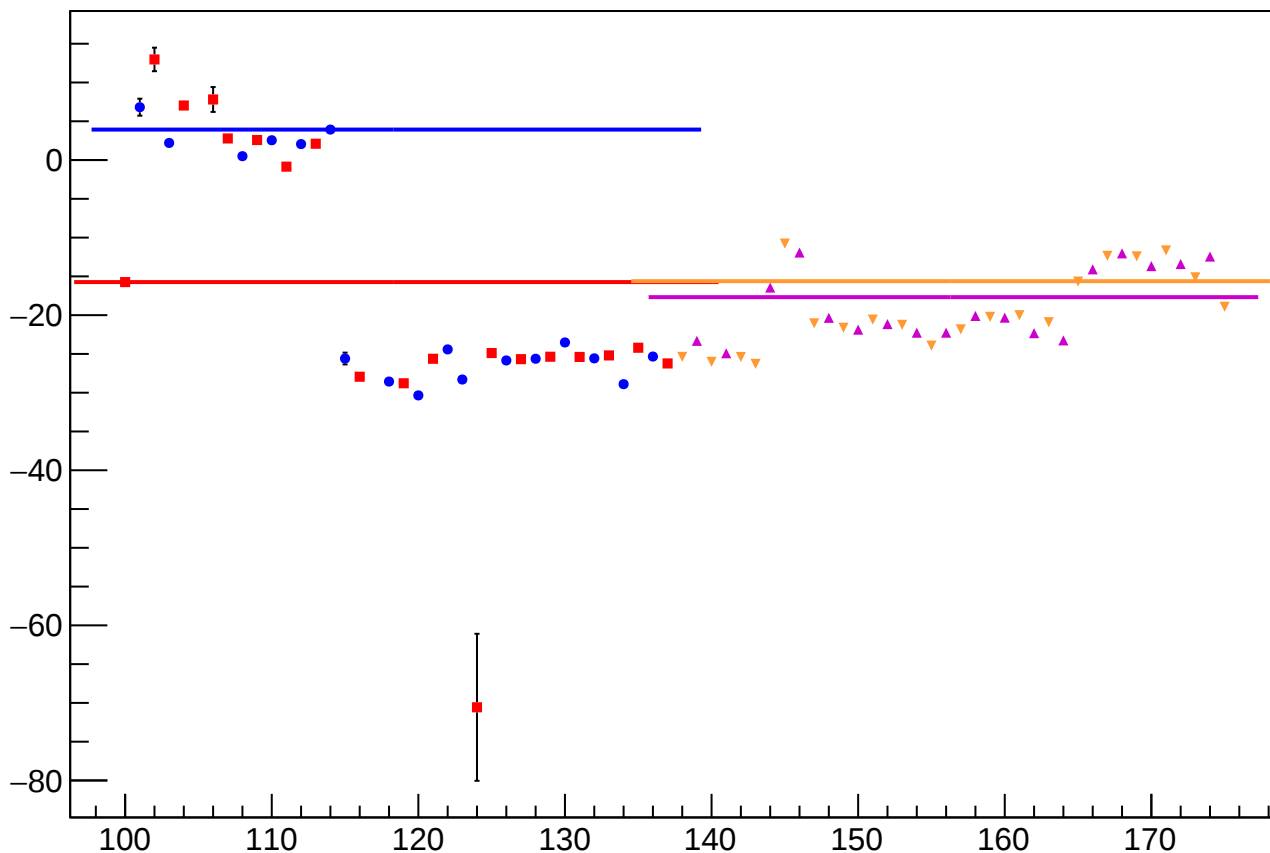
Right: 1.137 $\pm$ 0.000 χ^2 /NDF: 39737604737084083

In: 0.886 $\pm$ 0.000 χ^2 /NDF: 39995.2/34

Out: 1.597 $\pm$ 0.000 χ^2 /NDF: 268611.1/38

All: 1.137 $\pm$ 0.000 χ^2 /NDF: 39737604737084083

dit_sam4_4aY_slope vs Slug, Sign Corrected



Right In: 3.930 ± 0.000 χ^2/NDF : 6140834.2/16

Left Out: -15.618 ± 0.012 χ^2/NDF : 172653.7/19

Right Out: -15.737 ± 0.000 χ^2/NDF : 267951.2/18

Left In: -17.679 ± 0.012 χ^2/NDF : 120135.8/17

Left: -16.625 ± 0.008 χ^2/NDF : 308127.2/37

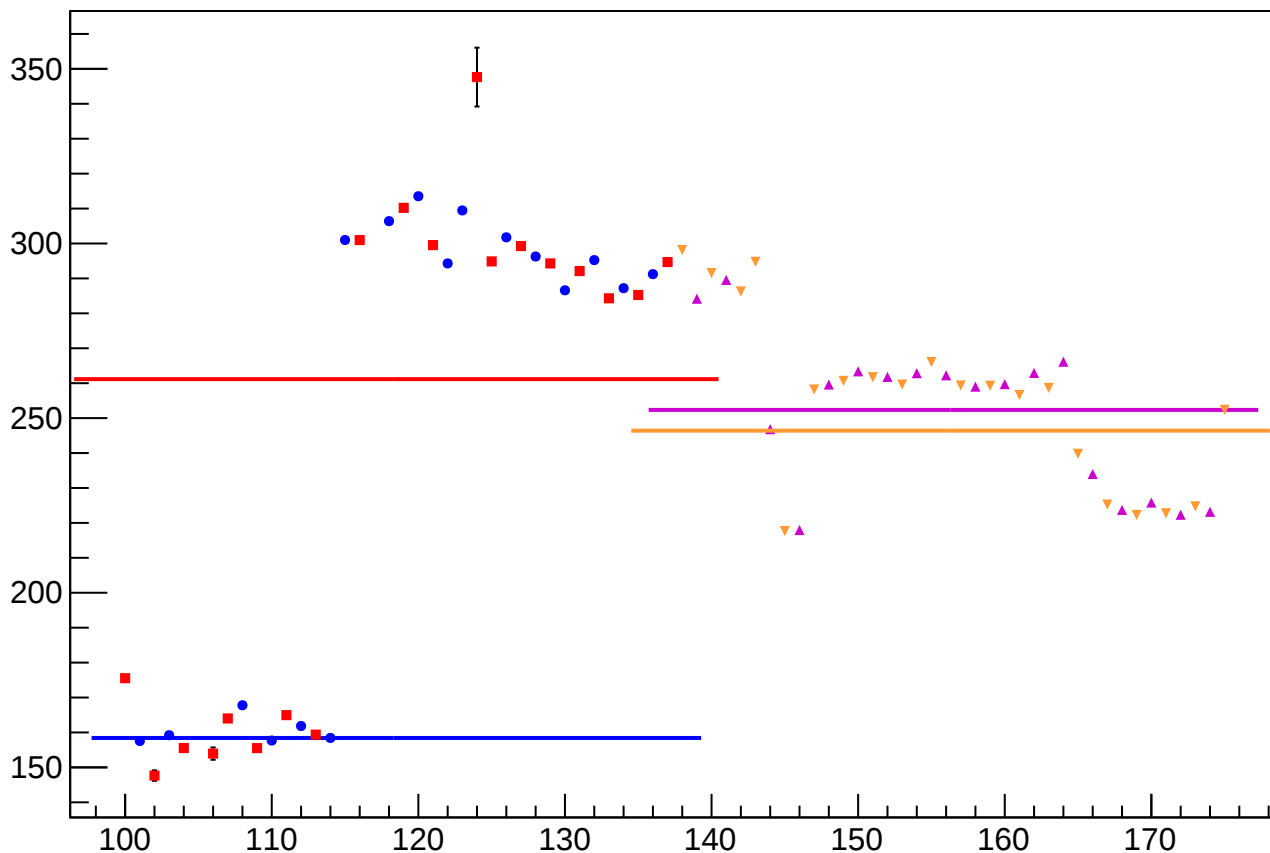
Right: 3.282 ± 0.000 χ^2/NDF : 71120480173548026

In: 3.930 ± 0.000 χ^2/NDF : 9558847.2/34

Out: -15.737 ± 0.000 χ^2/NDF : 440708.3/38

All: 3.282 ± 0.000 χ^2/NDF : 71120480173548

dit_sam4_4eY_slope vs Slug, Sign Corrected



Right In: 158.426 $\pm$ 0.000 χ^2 /NDF: 3516706.2/16

Left Out: 246.413 $\pm$ 0.029 χ^2 /NDF: 689909.2/19

Right Out: 261.159 $\pm$ 0.058 χ^2 /NDF: 1071248.7/18

Left In: 252.349 $\pm$ 0.029 χ^2 /NDF: 356310.3/17

Left: 249.368 $\pm$ 0.020 χ^2 /NDF: 1067753.2/37

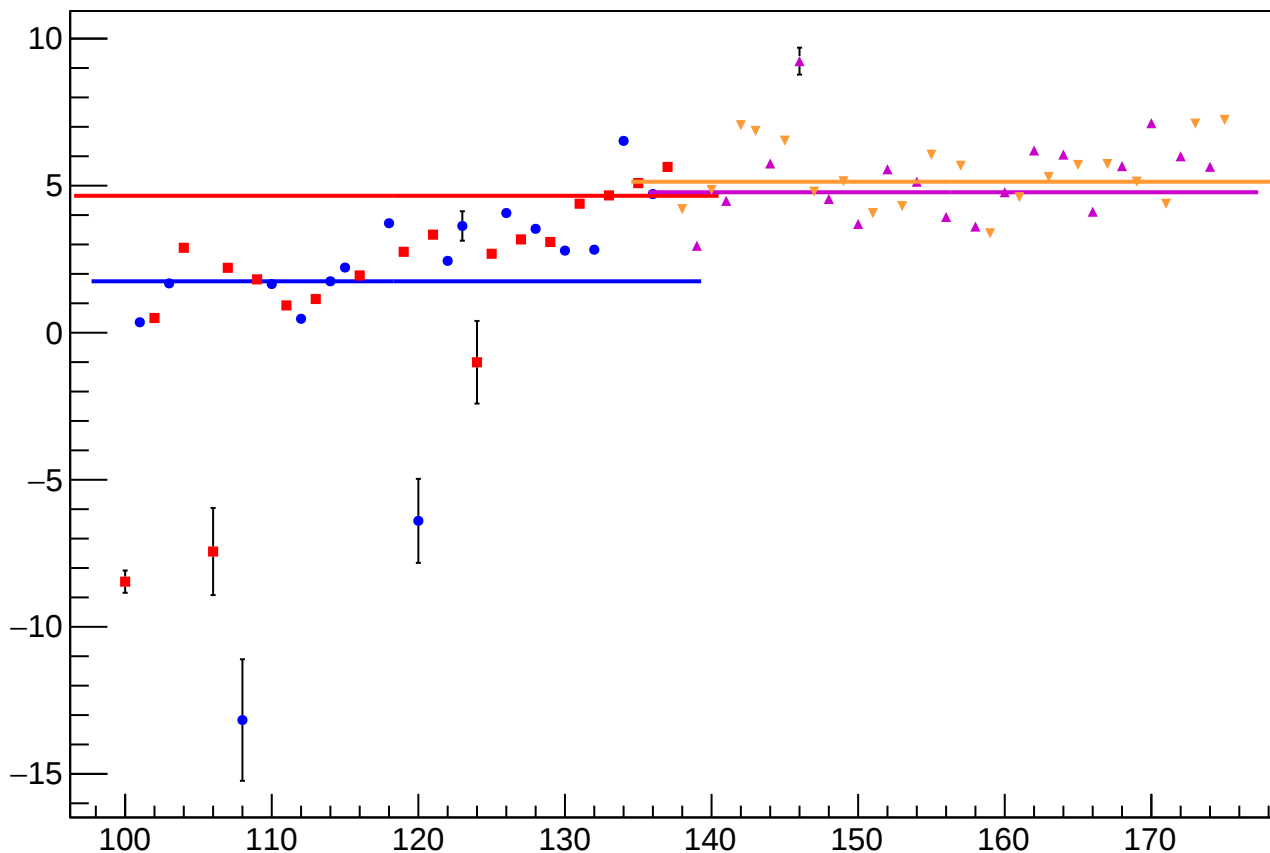
Right: 158.426 $\pm$ 0.000 χ^2 /NDF: 7687009.8/35

In: 158.426 $\pm$ 0.000 χ^2 /NDF: 14603836.9/34

Out: 249.259 $\pm$ 0.026 χ^2 /NDF: 1812682.3/38

All: 158.426 $\pm$ 0.000 χ^2 /NDF: 28966692.2/73

dit_sam5_4aX_slope vs Slug, Sign Corrected



Right In: 1.748 $\pm$ 0.000 χ^2 /NDF: 11344.3/16

Left Out: 5.133 $\pm$ 0.015 χ^2 /NDF: 3965.5/19

Right Out: 4.656 $\pm$ 0.006 χ^2 /NDF: 68303.7/18

Left In: 4.776 $\pm$ 0.013 χ^2 /NDF: 8979.7/17

Left: 4.941 $\pm$ 0.010 χ^2 /NDF: 13271.9/37

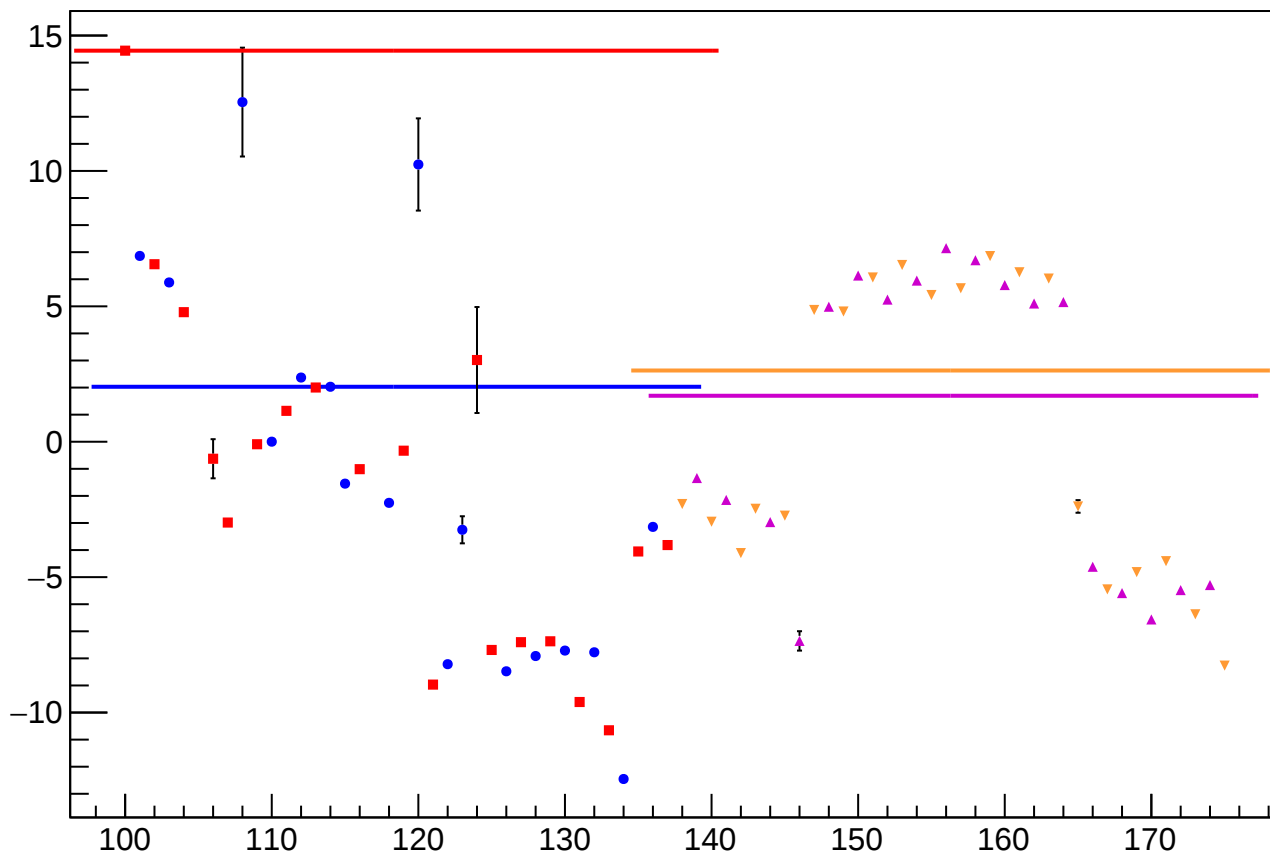
Right: 1.748 $\pm$ 0.000 χ^2 /NDF: 288719.9/35

In: 1.748 $\pm$ 0.000 χ^2 /NDF: 71006.0/34

Out: 4.733 $\pm$ 0.006 χ^2 /NDF: 73177.9/38

All: 1.748 $\pm$ 0.000 χ^2 /NDF: 406728.9/73

dit_sam5_4eX_slope vs Slug, Sign Corrected



Right In: 2.030 $\pm$ 0.000 χ^2/NDF : 202792.6/16

Left Out: 2.631 $\pm$ 0.012 χ^2/NDF :156803.6/19

Right Out: 14.441 $\pm$ 0.000 χ^2/NDF : 5836025.9/18

Left In: 1.698 $\pm$ 0.012 χ^2/NDF :204265.3/17

Left: 2.146 $\pm$ 0.008 χ^2/NDF : 364158.1/37

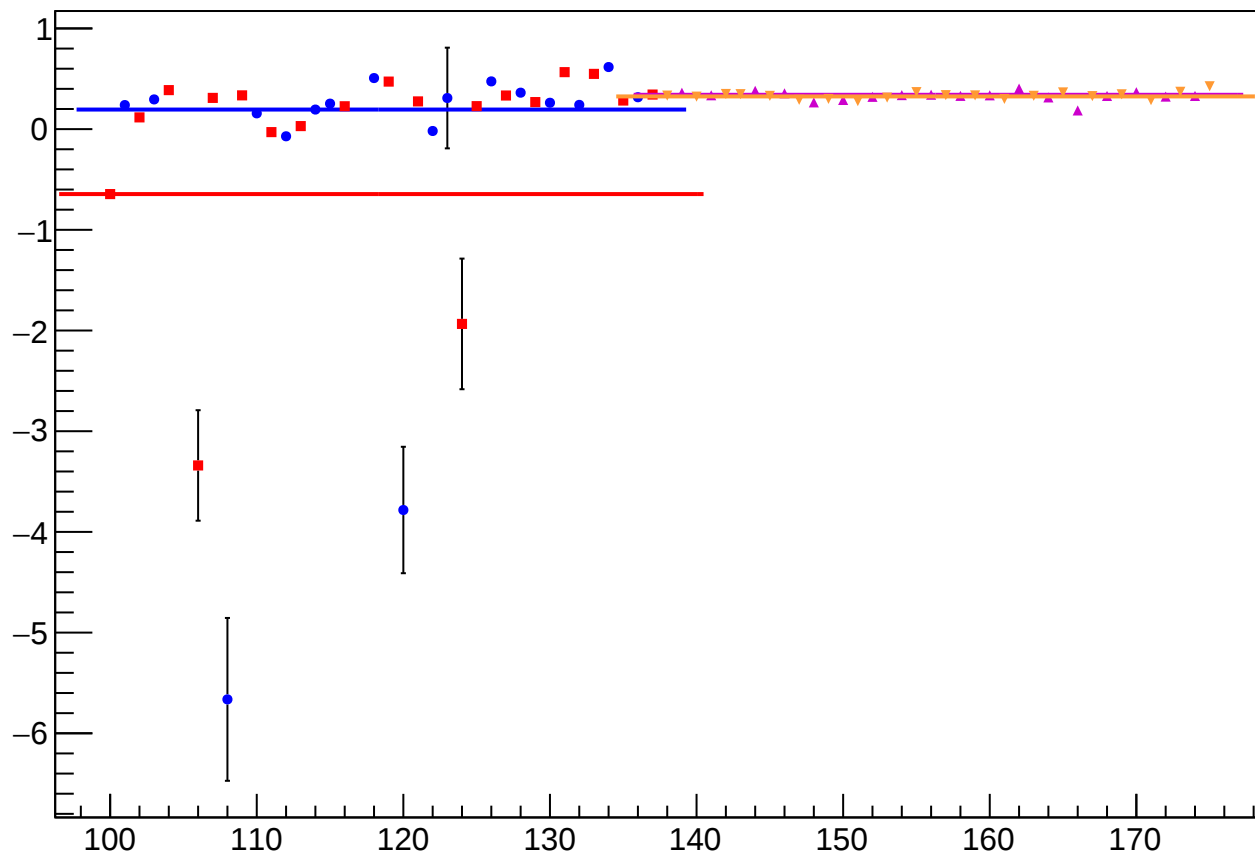
Right: 2.439 $\pm$ 0.000 χ^2/NDF : 70811145349033114

In: 2.030 $\pm$ 0.000 χ^2/NDF :407873.0/34

Out: 14.441 $\pm$ 0.000 χ^2/NDF :6945870.8/38

All: 2.439 $\pm$ 0.000 χ^2/NDF : 70811145349033

dit_sam5_11X12X_slope vs Slug, Sign Corrected



Right In: 0.194 $\pm$ 0.000 χ^2 /NDF: 9617.3/16

Left Out: 0.325 $\pm$ 0.001 χ^2 /NDF:2446.8/19

Right Out: -0.645 $\pm$ 0.000 χ^2 /NDF: 191963.2/18

Left In: 0.341 $\pm$ 0.001 χ^2 /NDF:3238.8/17

Left: 0.333 $\pm$ 0.000 χ^2 /NDF: 6086.9/37

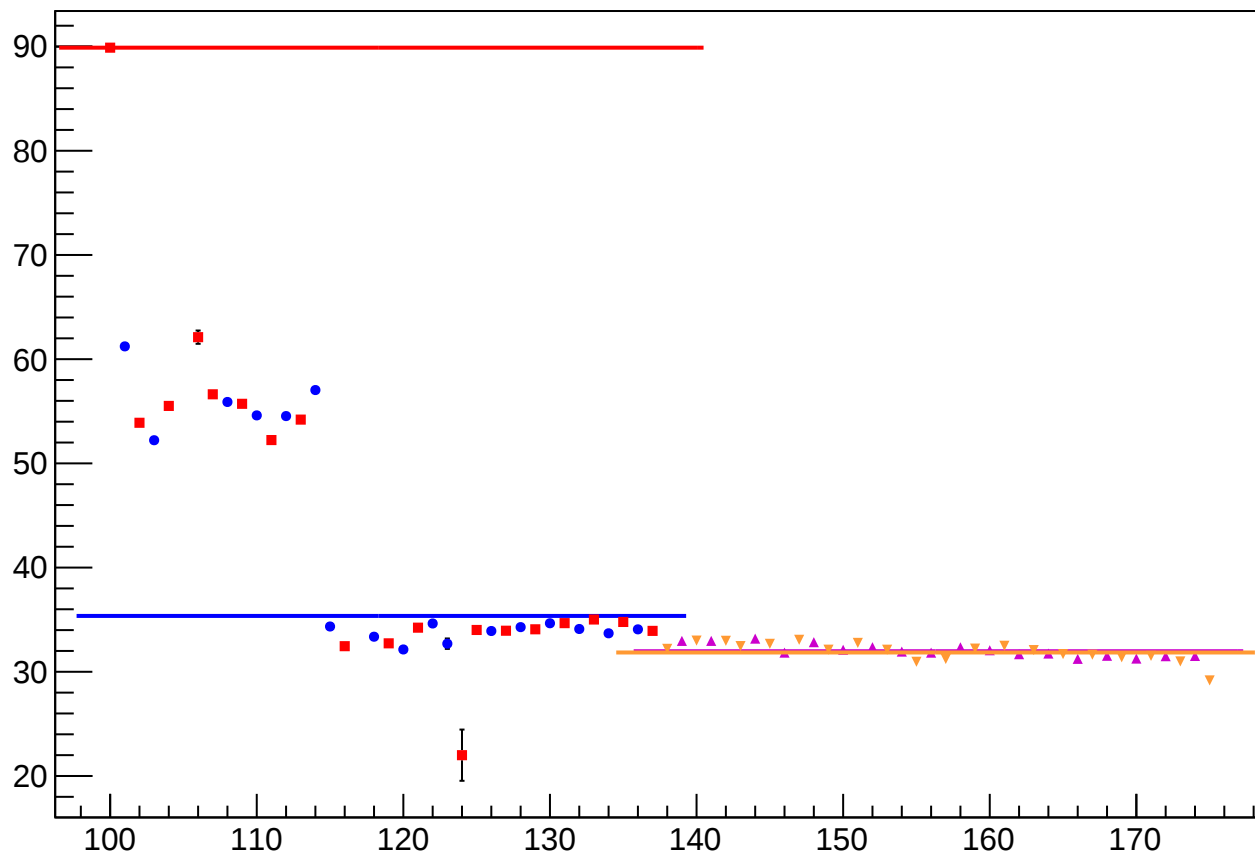
Right: 0.167 $\pm$ 0.000 χ^2 /NDF: 33165765284559017

In: 0.194 $\pm$ 0.000 χ^2 /NDF:80005.1/34

Out: -0.645 $\pm$ 0.000 χ^2 /NDF:3058874.8/38

All: 0.167 $\pm$ 0.000 χ^2 /NDF: 33165765284559017

dit_sam5_4aY_slope vs Slug, Sign Corrected



Right In: 35.361 $\pm$ 0.011 χ^2/NDF : 204481.2/16

Left Out: 31.853 $\pm$ 0.003 χ^2/NDF : 26498.4/19

Right Out: 89.893 $\pm$ 0.000 χ^2/NDF : 68670863.1/18

Left In: 31.975 $\pm$ 0.004 χ^2/NDF : 14067.4/17

Left: 31.906 $\pm$ 0.002 χ^2/NDF : 41176.2/37

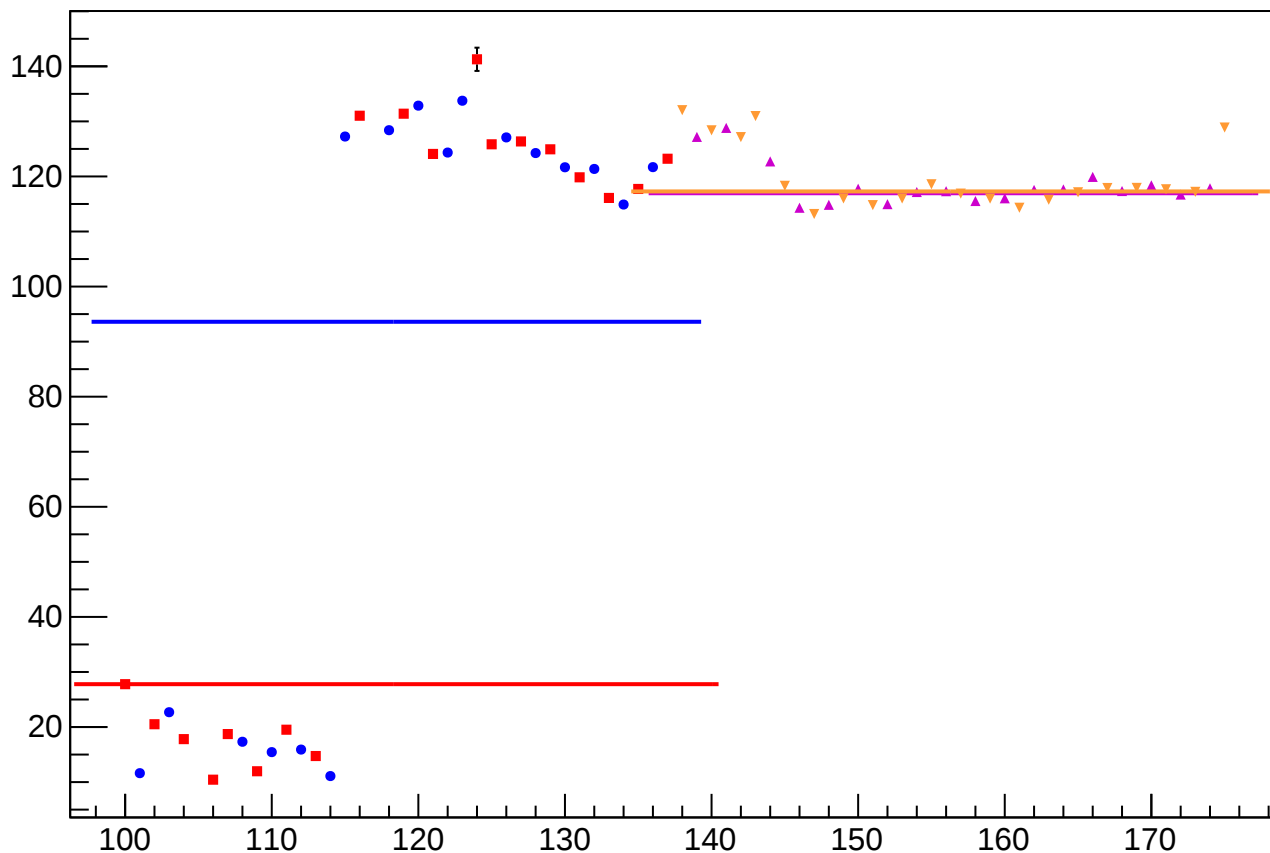
Right: 89.893 $\pm$ 0.000 χ^2/NDF : 93132320.2/35

In: 32.313 $\pm$ 0.003 χ^2/NDF : 302740.6/34

Out: 89.893 $\pm$ 0.000 χ^2/NDF : 382549707.5/38

All: 89.893 $\pm$ 0.000 χ^2/NDF : 653685548.0/73

dit_sam5_4eY_slope vs Slug, Sign Corrected



Right In: 93.605+/-0.027 χ^2/NDF : 2987877.5/16

Left Out: 117.280+/-0.008 χ^2/NDF : 141019.0/19

Right Out: 27.785+/-0.000 χ^2/NDF : 7919263.8/18

Left In: 116.949+/-0.009 χ^2/NDF : 44106.4/17

Left: 117.130+/-0.006 χ^2/NDF : 185895.9/37

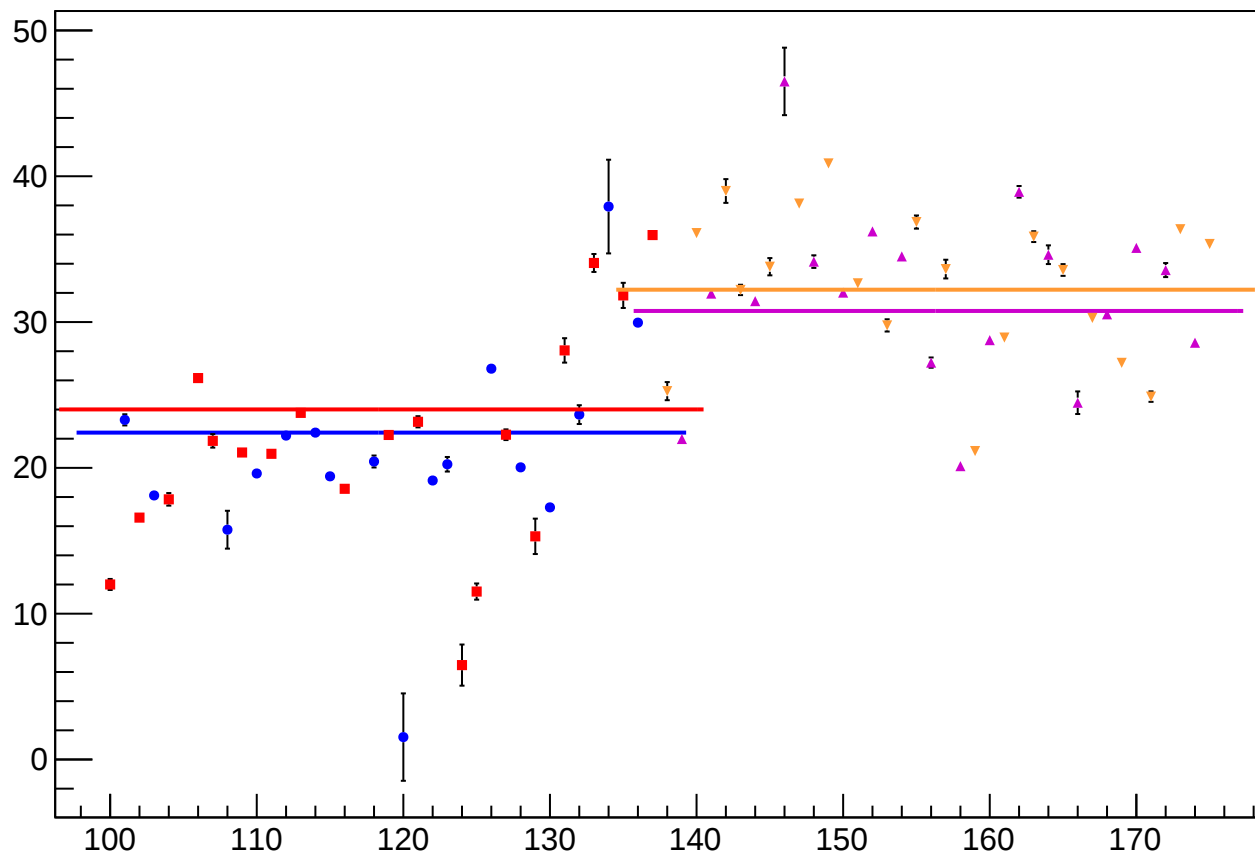
Right: 27.785+/-0.000 χ^2/NDF : 16894092.4/35

In: 114.687+/-0.008 χ^2/NDF : 3712094.1/34

Out: 27.785+/-0.000 χ^2/NDF : 133035310.9/38

All: 27.785+/-0.000 χ^2/NDF : 244438330.2/73

dit_sam6_4aX_slope vs Slug, Sign Corrected



Right In: 22.418 $\pm$ 0.000 χ^2 /NDF: 3247.9/16

Left Out: 32.220 $\pm$ 0.074 χ^2 /NDF: 4906.5/19

Right Out: 24.008 $\pm$ 0.058 χ^2 /NDF: 15408.9/18

Left In: 30.761 $\pm$ 0.065 χ^2 /NDF: 5594.3/17

Left: 31.398 $\pm$ 0.049 χ^2 /NDF: 10722.4/37

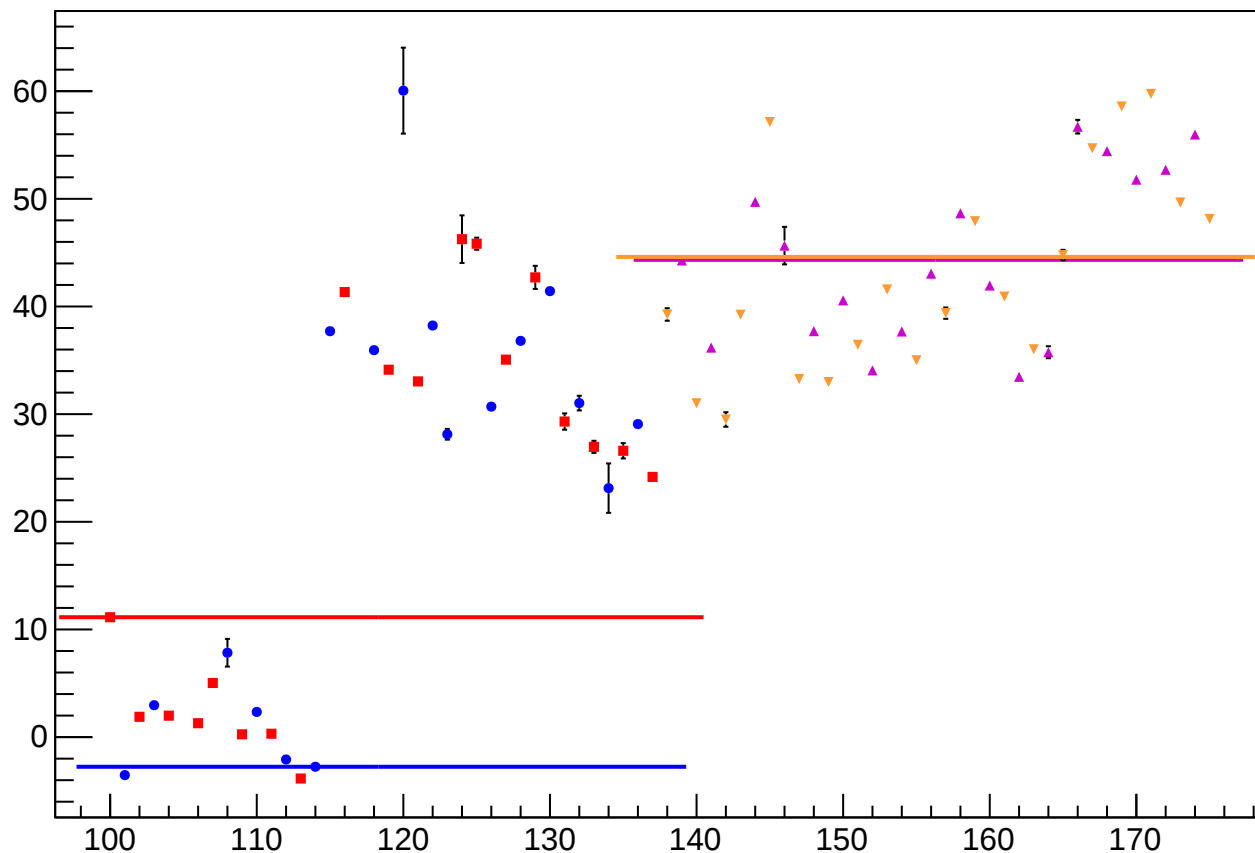
Right: 22.418 $\pm$ 0.000 χ^2 /NDF: 19415.4/35

In: 22.418 $\pm$ 0.000 χ^2 /NDF: 25460.5/34

Out: 27.141 $\pm$ 0.045 χ^2 /NDF: 28028.6/38

All: 22.418 $\pm$ 0.000 χ^2 /NDF: 64305.3/73

dit_sam6_4eX_slope vs Slug, Sign Corrected



Right In: -2.754 ± 0.000 $\chi^2/\text{NDF}: 149281.3/16$

Left Out: 44.606 ± 0.061 $\chi^2/\text{NDF}: 21800.8/19$

Right Out: 11.137 ± 0.000 $\chi^2/\text{NDF}: 2575367.3/18$

Left In: 44.334 ± 0.055 $\chi^2/\text{NDF}: 16235.2/17$

Left: 44.455 ± 0.041 $\chi^2/\text{NDF}: 38047.0/37$

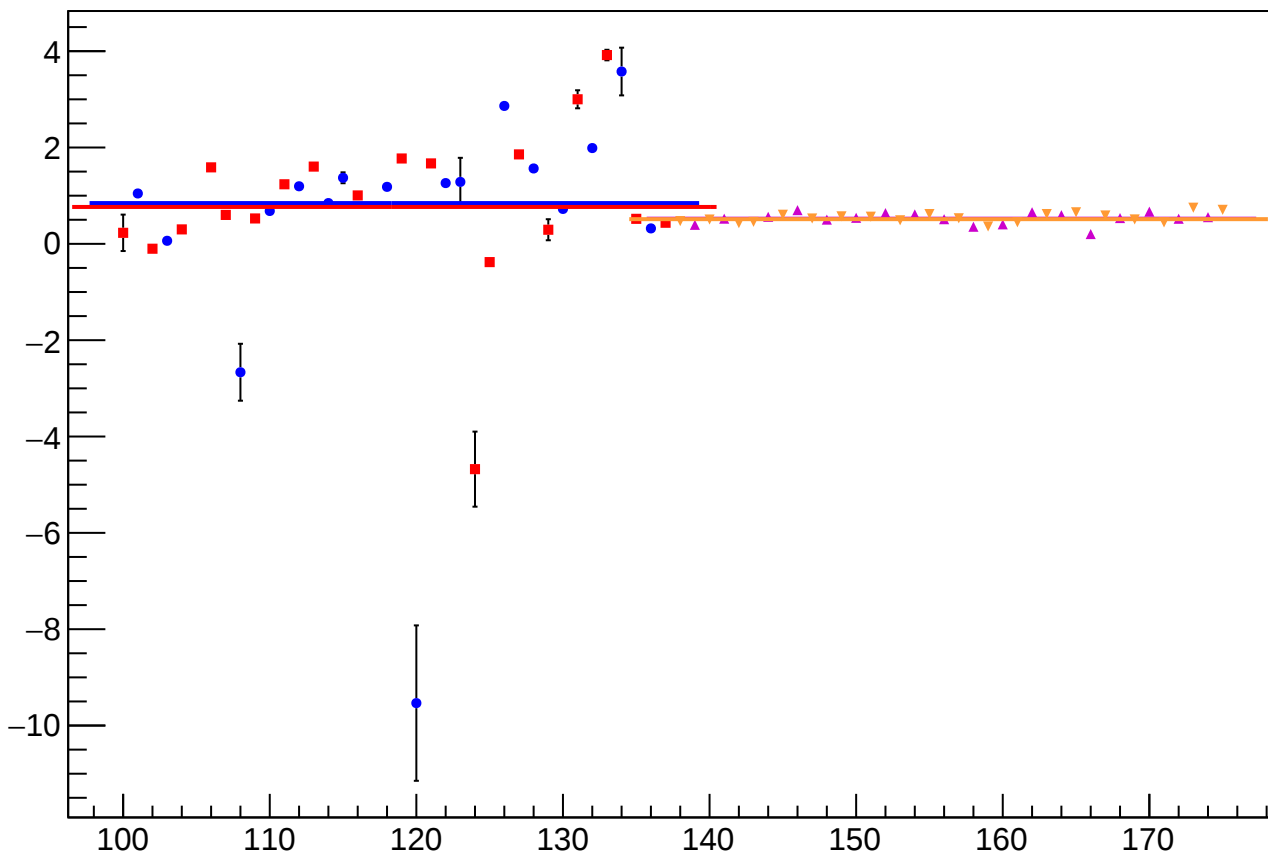
Right: -2.637 ± 0.000 $\chi^2/\text{NDF}: 9095226728437180$

In: -2.754 ± 0.000 $\chi^2/\text{NDF}: 909909.8/34$

Out: 11.137 ± 0.000 $\chi^2/\text{NDF}: 2900805.7/38$

All: -2.637 ± 0.000 $\chi^2/\text{NDF}: 9095226728437$

dit_sam6_11X12X_slope vs Slug, Sign Corrected



Right In: 0.846 ± 0.000 $\chi^2/\text{NDF}: 16305.8/16$

Left Out: 0.513 ± 0.001 $\chi^2/\text{NDF}: 12994.2/19$

Right Out: 0.766 ± 0.007 $\chi^2/\text{NDF}: 4211.3/18$

Left In: 0.522 ± 0.001 $\chi^2/\text{NDF}: 10578.6/17$

Left: 0.518 ± 0.001 $\chi^2/\text{NDF}: 23617.5/37$

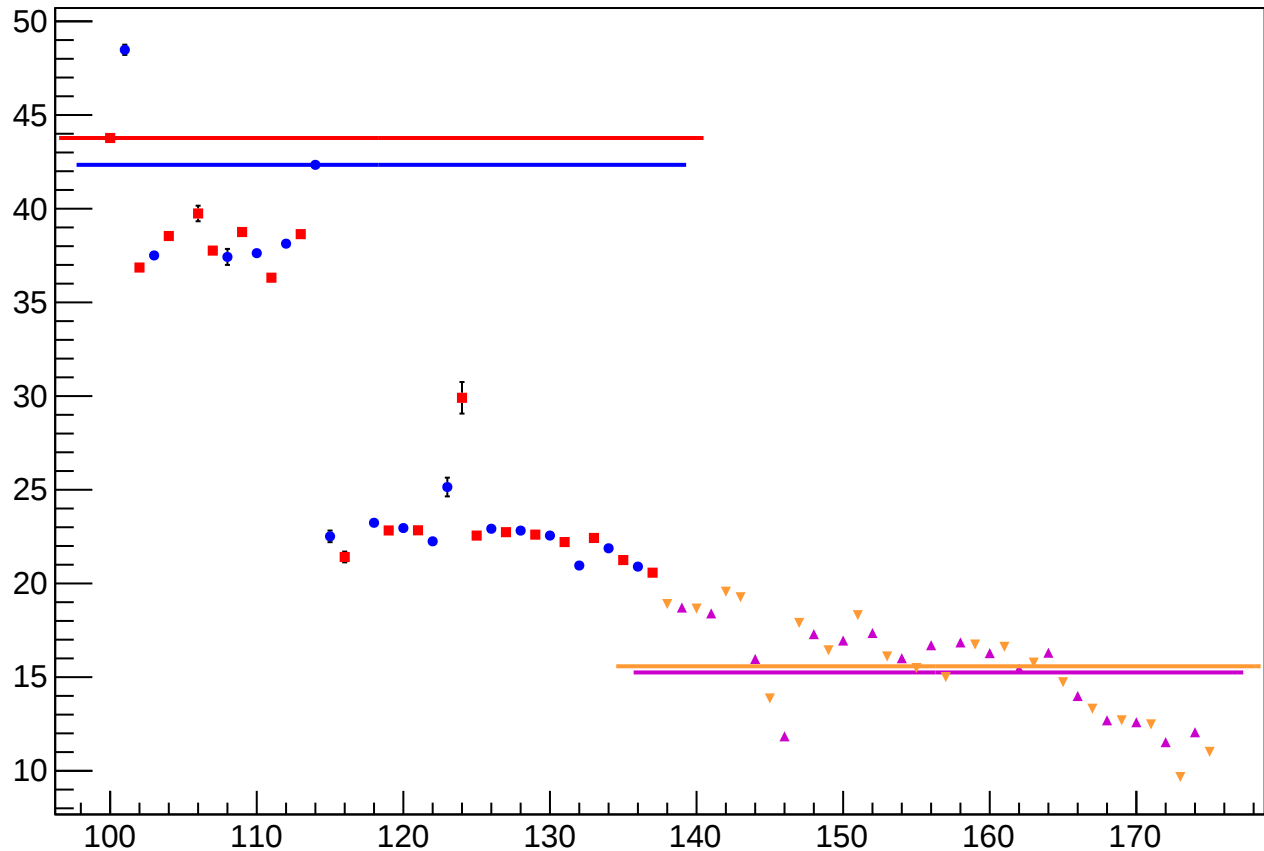
Right: 0.846 ± 0.000 $\chi^2/\text{NDF}: 20651.7/35$

In: 0.846 ± 0.000 $\chi^2/\text{NDF}: 126674.6/34$

Out: 0.518 ± 0.001 $\chi^2/\text{NDF}: 18512.3/38$

All: 0.846 ± 0.000 $\chi^2/\text{NDF}: 242999.1/73$

dit_sam6_4aY_slope vs Slug, Sign Corrected



Right In: 42.341+/-0.000 χ^2/NDF : 4058390.3/16

Left Out: 15.581+/-0.006 χ^2/NDF :185863.9/19

Right Out: 43.773+/-0.000 χ^2/NDF : 4579991.9/18

Left In: 15.251+/-0.006 χ^2/NDF :127363.6/17

Left: 15.426+/-0.004 χ^2/NDF : 314666.1/37

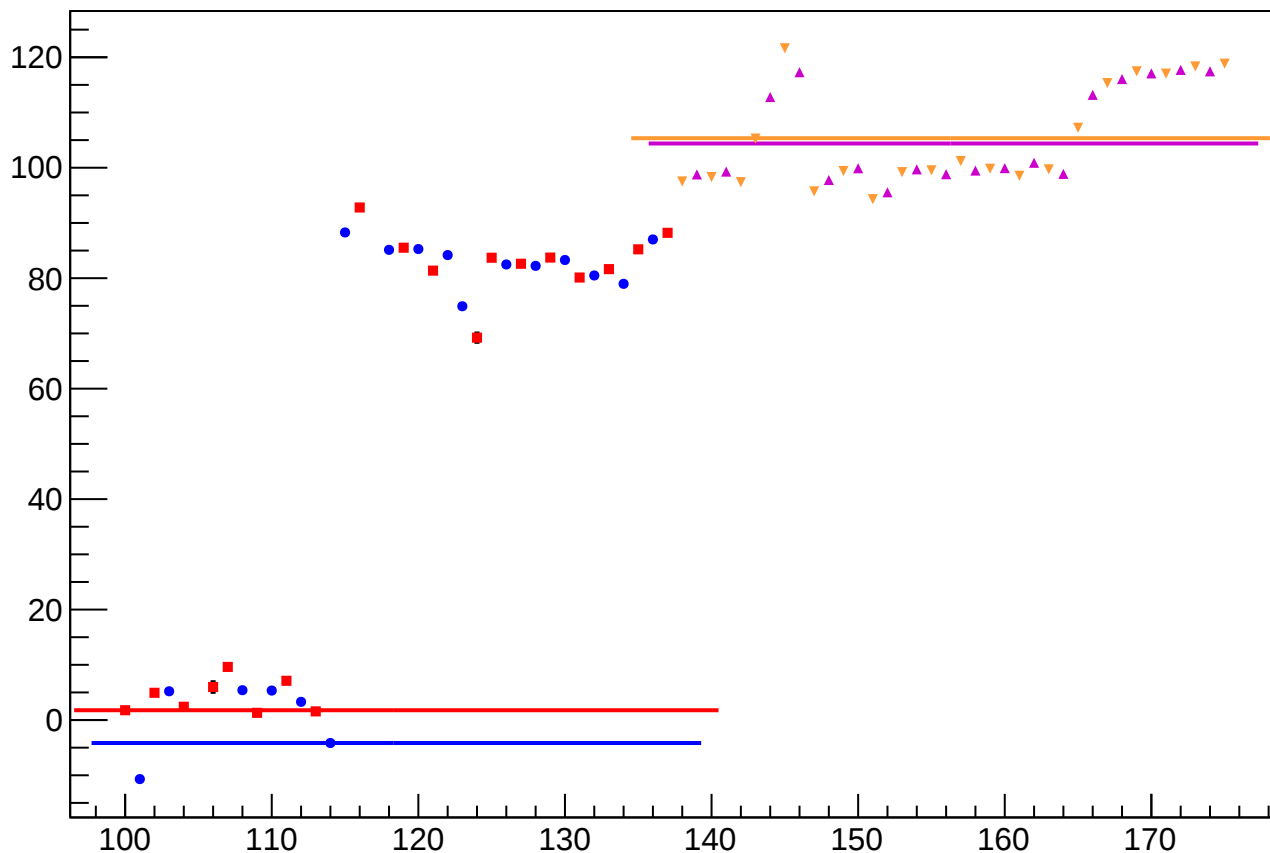
Right: 42.846+/-0.000 χ^2/NDF : 1577360390255068

In: 42.341+/-0.000 χ^2/NDF :22533384.5/34

Out: 43.773+/-0.000 χ^2/NDF :27165710.5/38

All: 42.846+/-0.000 χ^2/NDF : 1577360390255

dit_sam6_4eY_slope vs Slug, Sign Corrected



Right In: -4.155 ± 0.000 χ^2/NDF : 8287312.9/16

Left Out: 105.348 ± 0.011 χ^2/NDF : 633308.8/19

Right Out: 1.777 ± 0.000 χ^2/NDF : 5403608.1/18

Left In: 104.387 ± 0.011 χ^2/NDF : 528538.6/17

Left: 104.867 ± 0.008 χ^2/NDF : 1165595.7/37

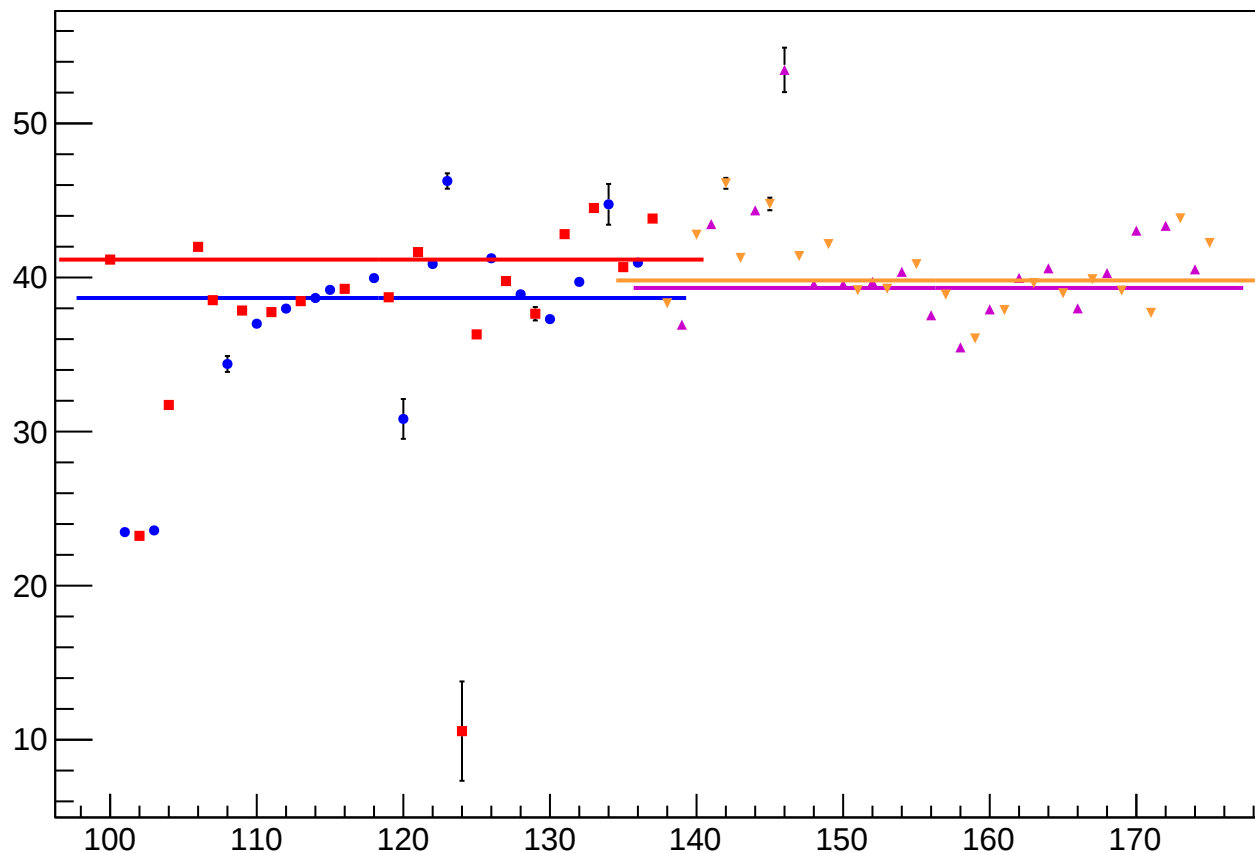
Right: 1.167 ± 0.000 χ^2/NDF : 44022261179950686

In: -4.155 ± 0.000 χ^2/NDF : 104454810.8/34

Out: 1.777 ± 0.000 χ^2/NDF : 93015404.7/38

All: 1.167 ± 0.000 χ^2/NDF : 44022261179950686

dit_sam7_4aX_slope vs Slug, Sign Corrected



Right In: 38.669 $\pm$ 0.000 χ^2 /NDF: 59984.0/16

Left Out: 39.810 $\pm$ 0.031 χ^2 /NDF: 5348.2/19

Right Out: 41.163 $\pm$ 0.000 χ^2 /NDF: 38410.9/18

Left In: 39.322 $\pm$ 0.025 χ^2 /NDF: 7579.0/17

Left: 39.518 $\pm$ 0.020 χ^2 /NDF: 13075.8/37

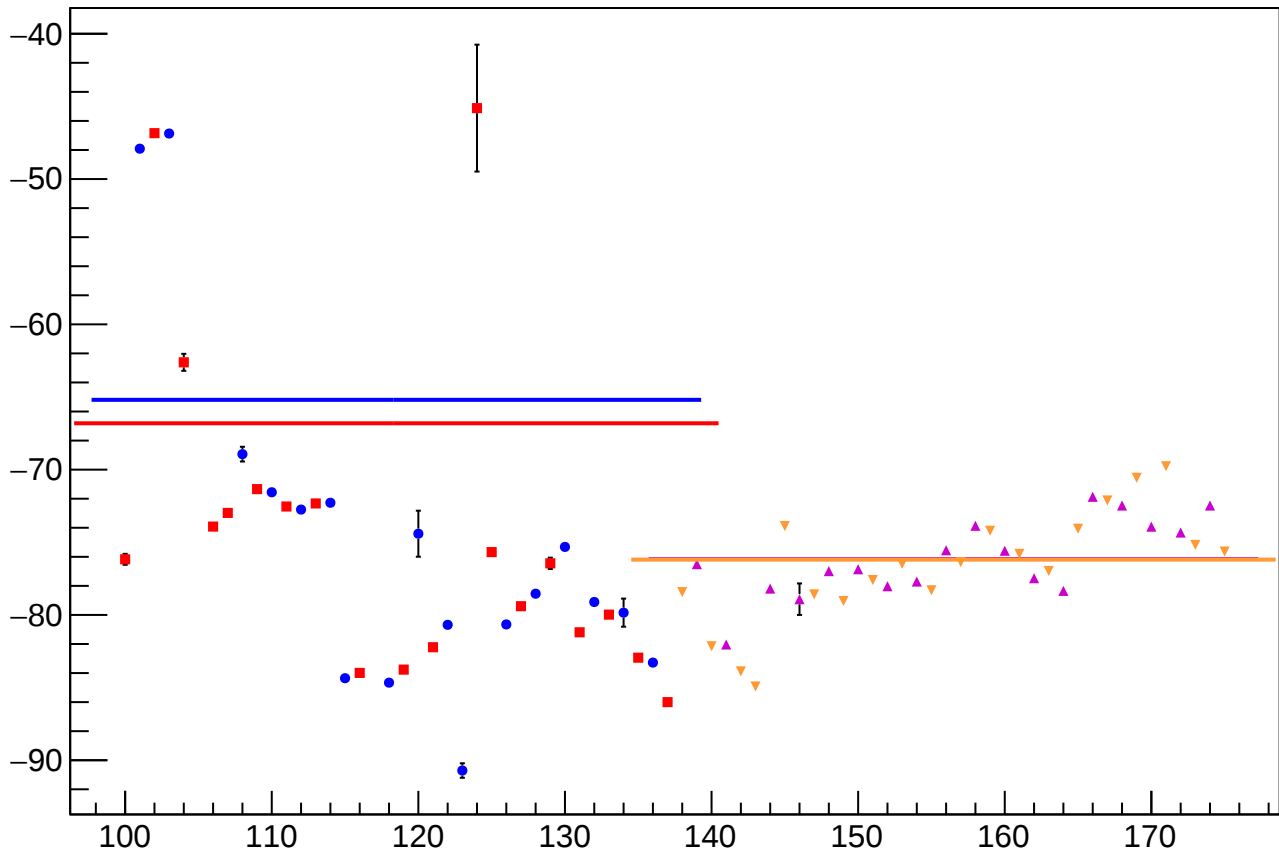
Right: 39.550 $\pm$ 0.000 χ^2 /NDF: 4780640080062069

In: 38.669 $\pm$ 0.000 χ^2 /NDF: 68222.5/34

Out: 41.163 $\pm$ 0.000 χ^2 /NDF: 45668.1/38

All: 39.550 $\pm$ 0.000 χ^2 /NDF: 4780640080062069

dit_sam7_4eX_slope vs Slug, Sign Corrected



Right In: -65.195 $\pm$ 0.019 χ^2 /NDF: 784258.8/16

Left Out: -76.192 $\pm$ 0.025 χ^2 /NDF: 20520.6/19

Right Out: -66.809 $\pm$ 0.016 χ^2 /NDF: 809951.7/18

Left In: -76.154 $\pm$ 0.021 χ^2 /NDF: 10074.9/17

Left: -76.169 $\pm$ 0.016 χ^2 /NDF: 30596.8/37

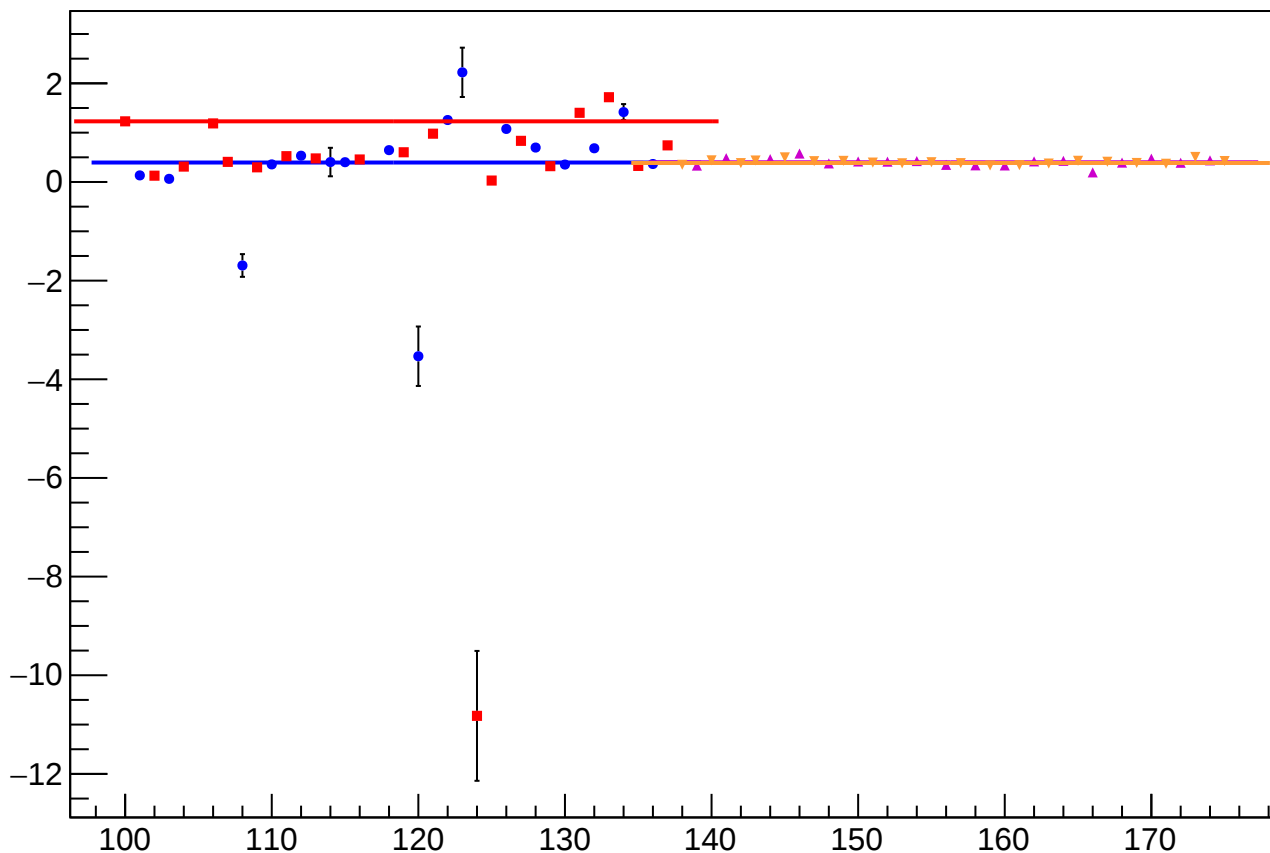
Right: -66.134 $\pm$ 0.012 χ^2 /NDF: 1598578.1/35

In: -70.128 $\pm$ 0.014 χ^2 /NDF: 950006.3/34

Out: -69.467 $\pm$ 0.013 χ^2 /NDF: 930555.6/38

All: -69.786 $\pm$ 0.010 χ^2 /NDF: 1881742.6/73

dit_sam7_11X12X_slope vs Slug, Sign Corrected



Right In: 0.395 ± 0.002 $\chi^2/\text{NDF}: 8730.5/16$

Left Out: 0.385 ± 0.000 $\chi^2/\text{NDF}: 9095.7/19$

Right Out: 1.230 ± 0.000 $\chi^2/\text{NDF}: 48941.9/18$

Left In: 0.400 ± 0.000 $\chi^2/\text{NDF}: 8007.7/17$

Left: 0.393 ± 0.000 $\chi^2/\text{NDF}: 17567.9/37$

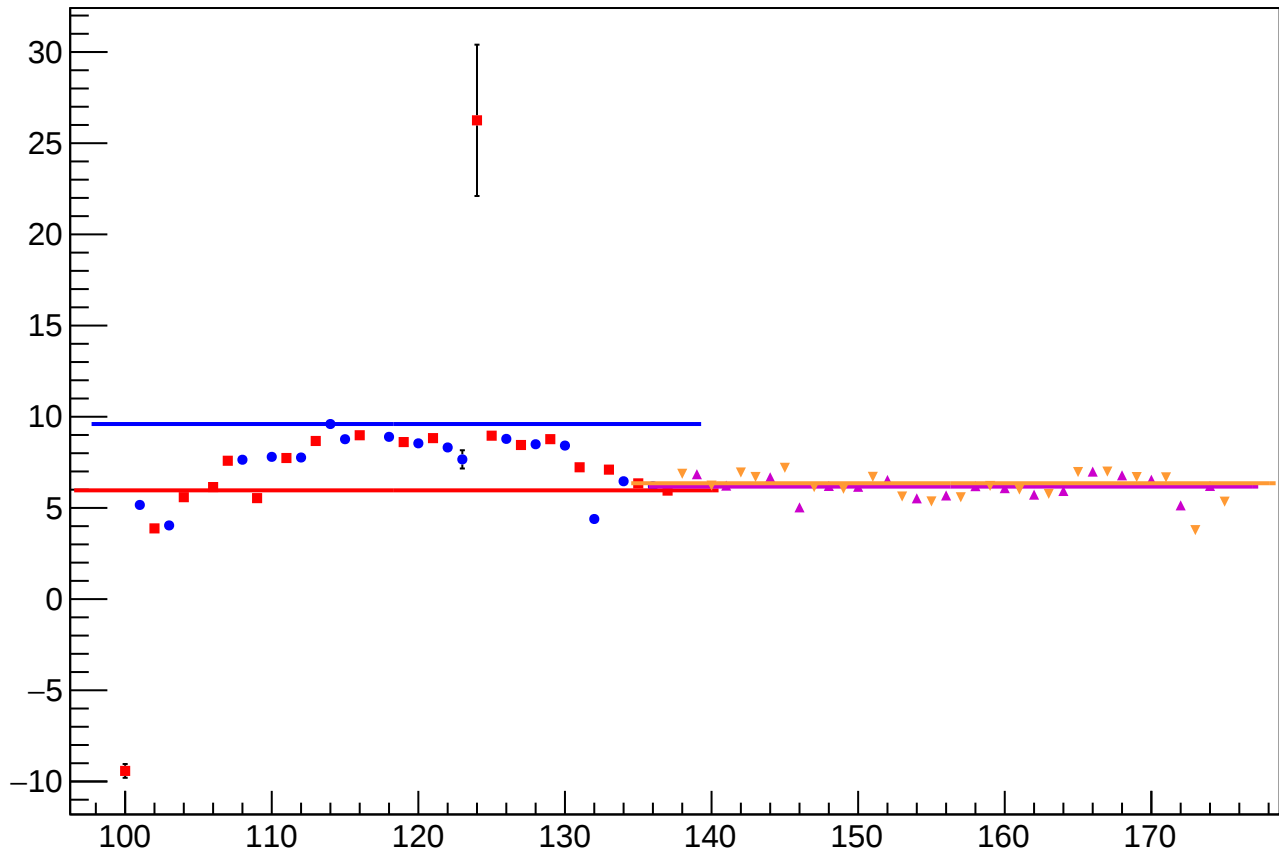
Right: 1.230 ± 0.000 $\chi^2/\text{NDF}: 231481.1/35$

In: 0.400 ± 0.000 $\chi^2/\text{NDF}: 16745.4/34$

Out: 1.230 ± 0.000 $\chi^2/\text{NDF}: 3074576.3/38$

All: 1.230 ± 0.000 $\chi^2/\text{NDF}: 6156593.2/73$

dit_sam7_4aY_slope vs Slug, Sign Corrected



Right In: 9.601 $\pm$ 0.000 χ^2 /NDF: 377404.1/16

Left Out: 6.354 $\pm$ 0.002 χ^2 /NDF: 72302.3/19

Right Out: 5.964 $\pm$ 0.000 χ^2 /NDF: 206785.7/18

Left In: 6.168 $\pm$ 0.002 χ^2 /NDF: 45250.1/17

Left: 6.256 $\pm$ 0.001 χ^2 /NDF: 124218.2/37

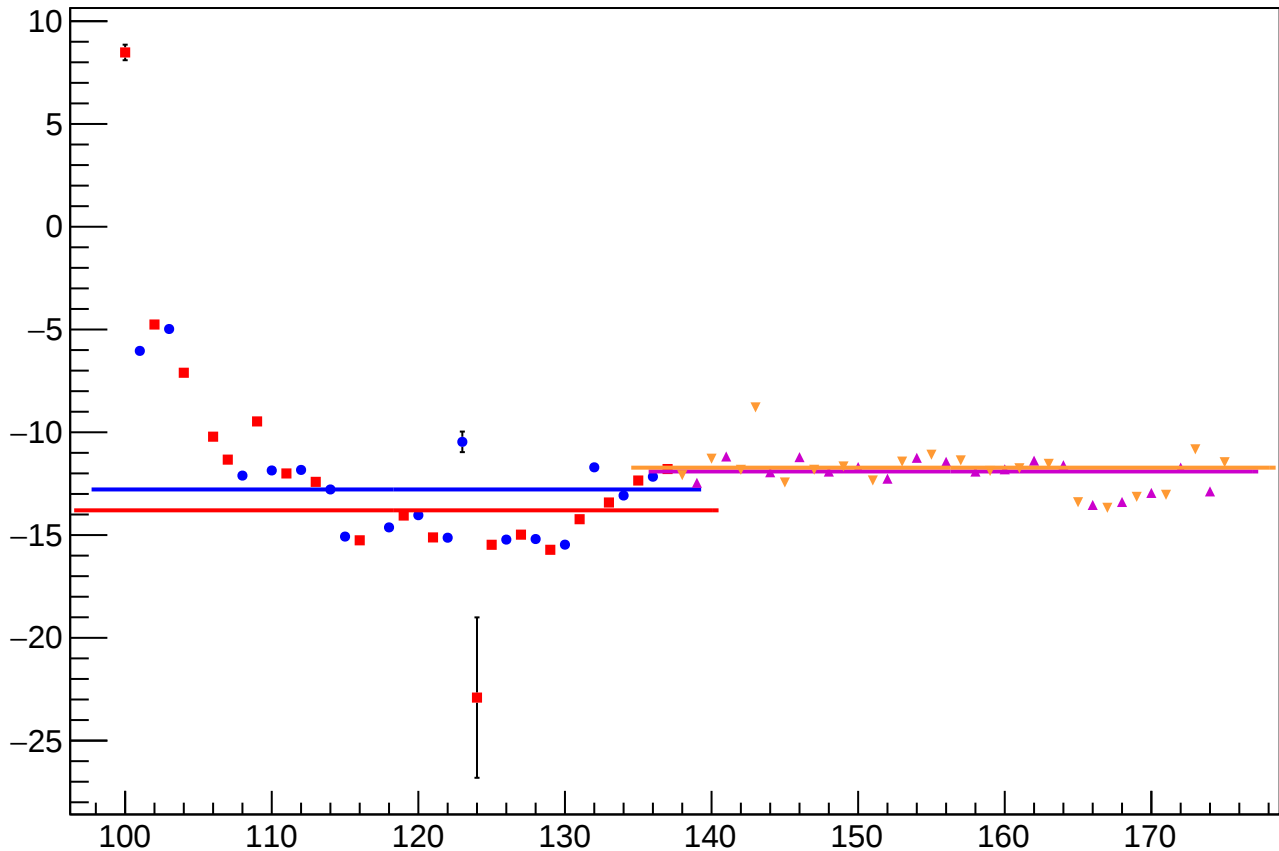
Right: 9.601 $\pm$ 0.000 χ^2 /NDF: 80252009.2/35

In: 9.601 $\pm$ 0.000 χ^2 /NDF: 5280674.8/34

Out: 5.986 $\pm$ 0.000 χ^2 /NDF: 331558.9/38

All: 9.601 $\pm$ 0.000 χ^2 /NDF: 89087513.3/73

dit_sam7_4eY_slope vs Slug, Sign Corrected



Right In: -12.781 ± 0.000 χ^2/NDF : 122716.4/16

Left Out: -11.721 ± 0.002 χ^2/NDF : 303127.9/19

Right Out: -13.797 ± 0.005 χ^2/NDF : 78174.8/18

Left In: -11.906 ± 0.002 χ^2/NDF : 63449.4/17

Left: -11.817 ± 0.002 χ^2/NDF : 370077.5/37

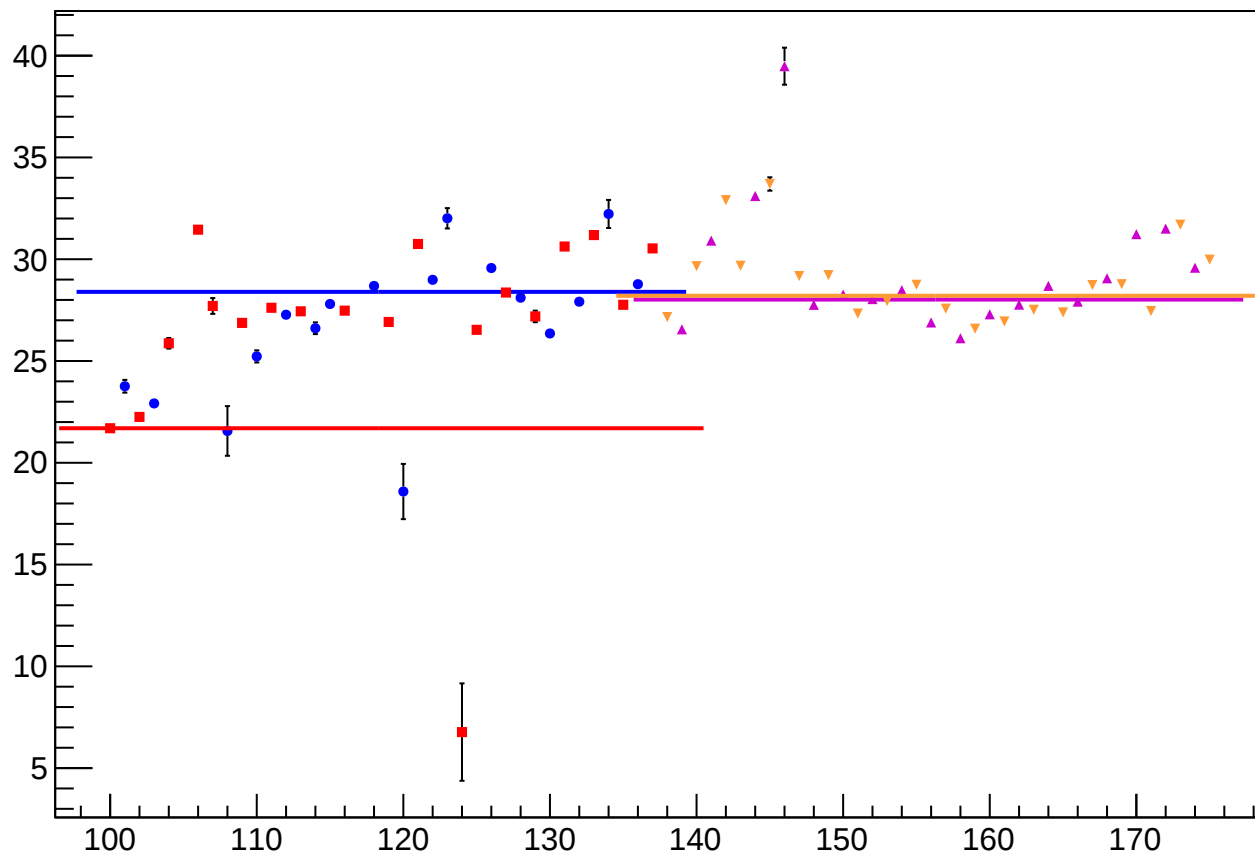
Right: -12.781 ± 0.000 χ^2/NDF : 236656.7/35

In: -12.781 ± 0.000 χ^2/NDF : 348430.3/34

Out: -12.032 ± 0.002 χ^2/NDF : 508351.9/38

All: -12.781 ± 0.000 χ^2/NDF : 986401.5/73

dit_sam8_4aX_slope vs Slug, Sign Corrected



Right In: 28.396 $\pm$ 0.024 χ^2 /NDF: 3440.8/16

Left Out: 28.204 $\pm$ 0.019 χ^2 /NDF: 5831.1/19

Right Out: 21.696 $\pm$ 0.000 χ^2 /NDF: 46617.3/18

Left In: 28.018 $\pm$ 0.016 χ^2 /NDF: 7786.5/17

Left: 28.094 $\pm$ 0.012 χ^2 /NDF: 13675.1/37

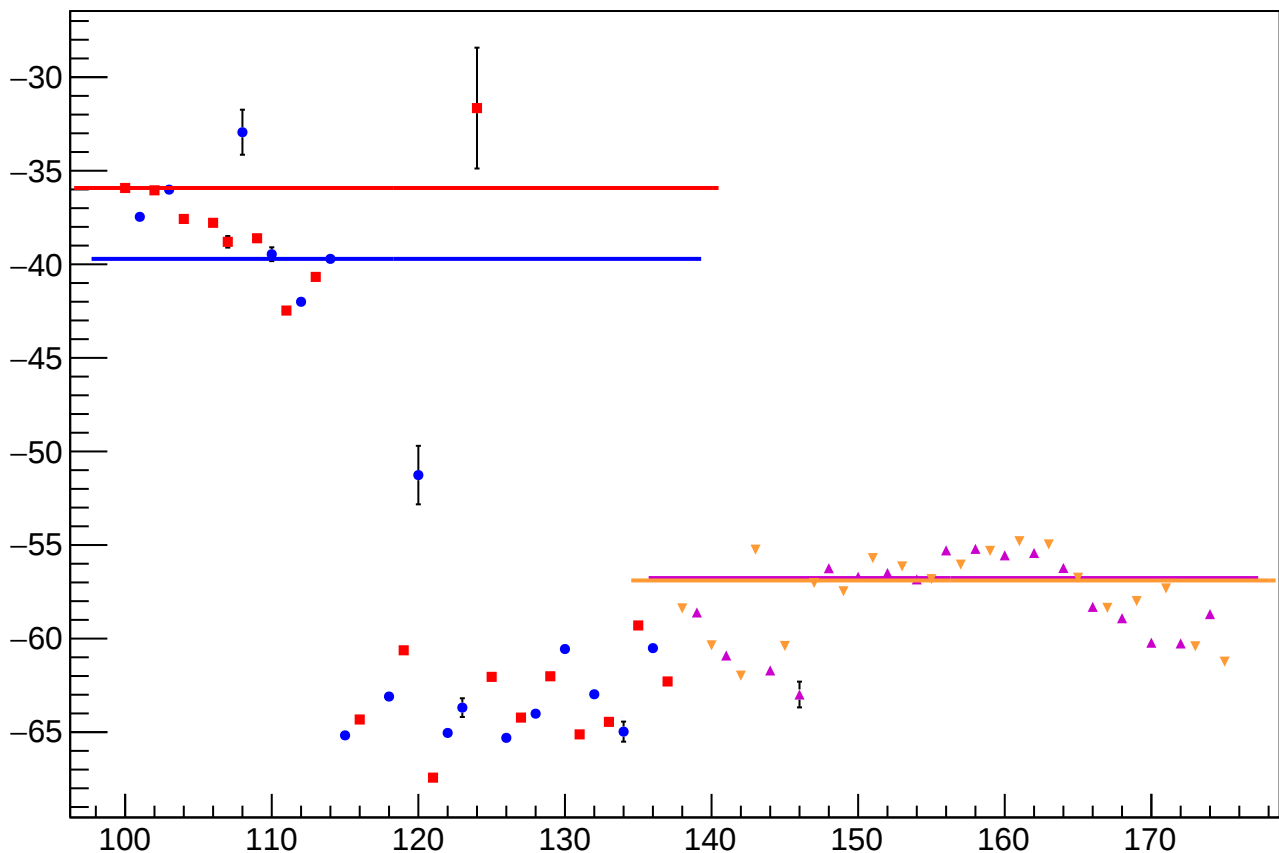
Right: 21.696 $\pm$ 0.000 χ^2 /NDF: 125672.7/35

In: 28.129 $\pm$ 0.013 χ^2 /NDF: 11397.9/34

Out: 21.696 $\pm$ 0.000 χ^2 /NDF: 170804.0/38

All: 21.696 $\pm$ 0.000 χ^2 /NDF: 419070.8/73

dit_sam8_4eX_slope vs Slug, Sign Corrected



Right In: -39.710 ± 0.000 $\chi^2/\text{NDF}: 1354716.8/16$

Left Out: -56.894 ± 0.016 $\chi^2/\text{NDF}: 15758.8/19$

Right Out: -35.921 ± 0.000 $\chi^2/\text{NDF}: 719212.9/18$

Left In: -56.765 ± 0.013 $\chi^2/\text{NDF}: 13680.2/17$

Left: -56.819 ± 0.010 $\chi^2/\text{NDF}: 29478.0/37$

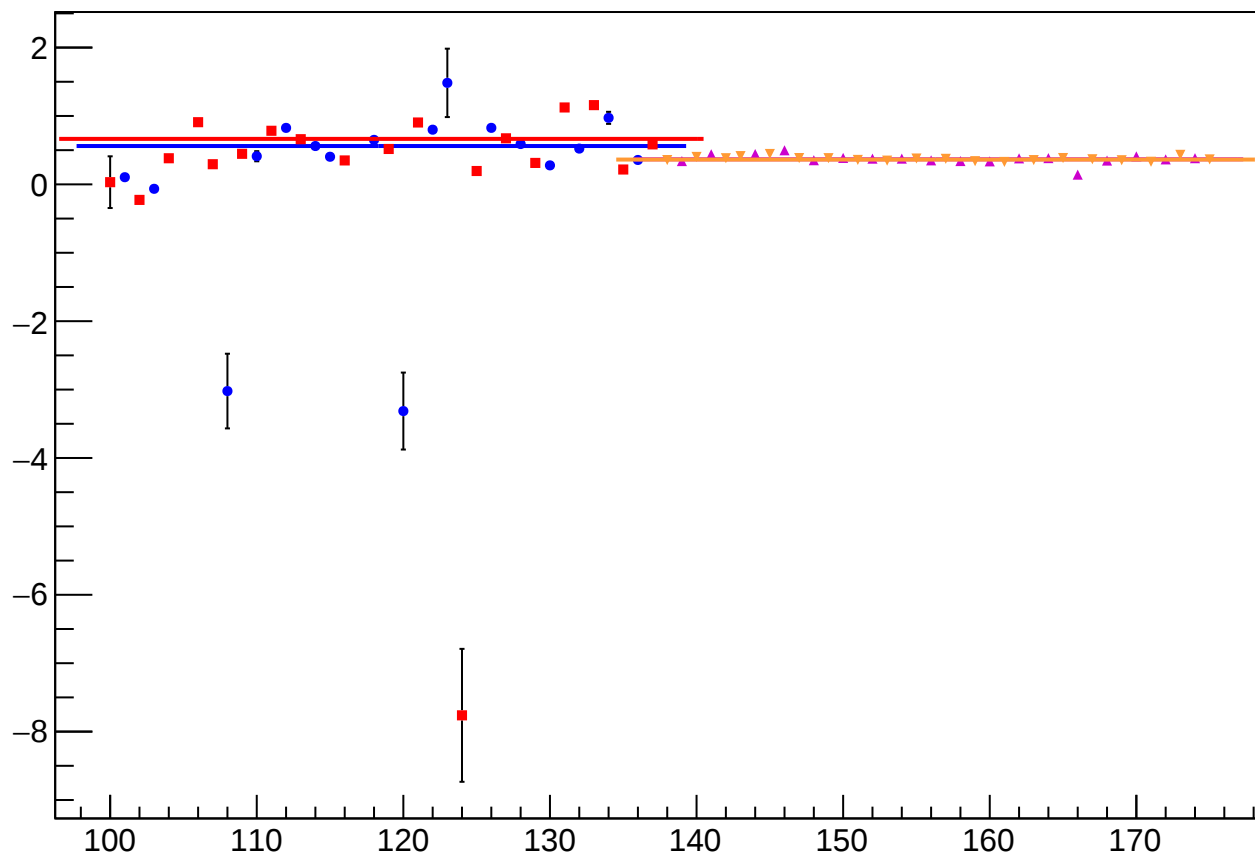
Right: -38.373 ± 0.000 $\chi^2/\text{NDF}: 110369434011630$

In: -39.710 ± 0.000 $\chi^2/\text{NDF}: 3005897.8/34$

Out: -35.921 ± 0.000 $\chi^2/\text{NDF}: 2531155.4/38$

All: -38.373 ± 0.000 $\chi^2/\text{NDF}: 110369434011$

dit_sam8_11X12X_slope vs Slug, Sign Corrected



Right In: 0.561 $\pm$ 0.000 χ^2 /NDF: 16869.2/16

Left Out: 0.363 $\pm$ 0.000 χ^2 /NDF: 7482.9/19

Right Out: 0.665 $\pm$ 0.005 χ^2 /NDF: 3781.5/18

Left In: 0.366 $\pm$ 0.000 χ^2 /NDF: 5800.7/17

Left: 0.365 $\pm$ 0.000 χ^2 /NDF: 13341.1/37

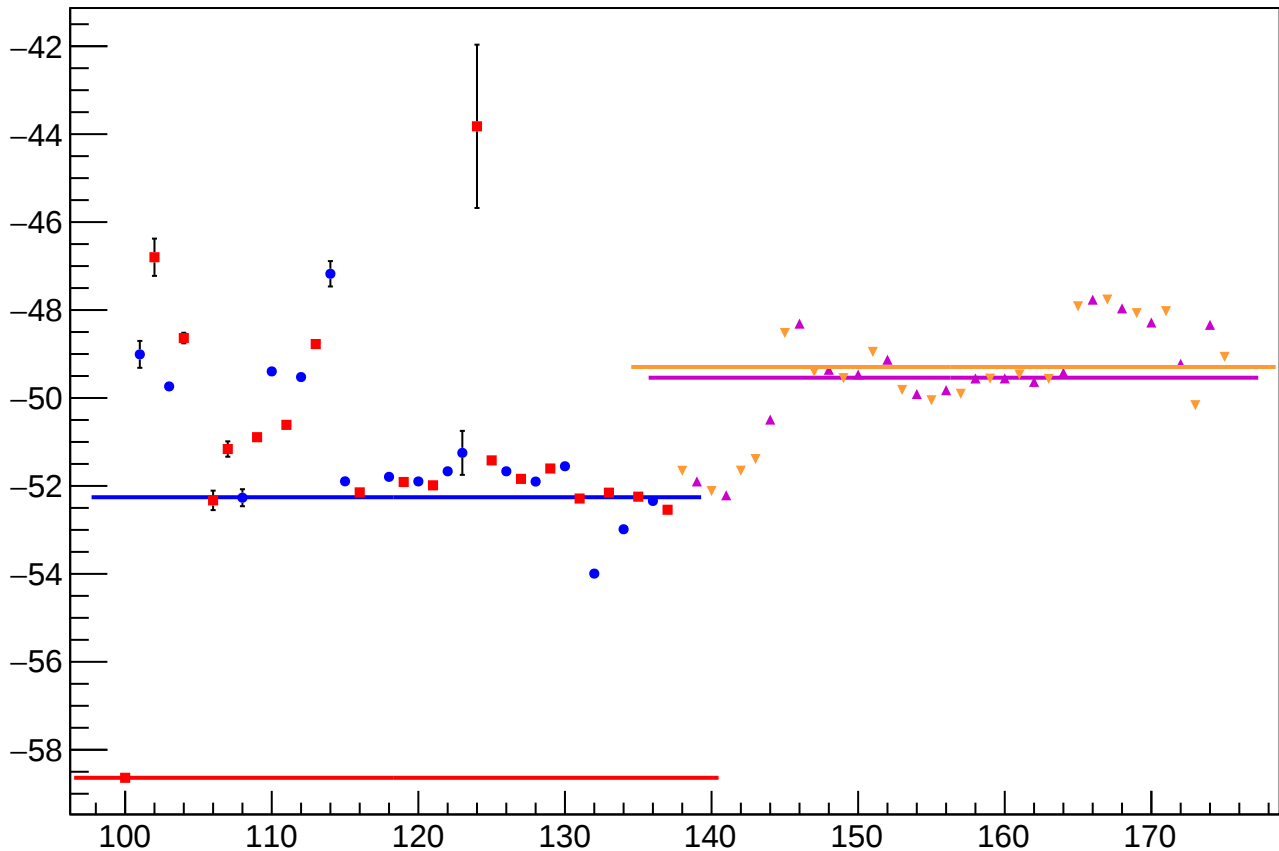
Right: 0.561 $\pm$ 0.000 χ^2 /NDF: 21167.9/35

In: 0.561 $\pm$ 0.000 χ^2 /NDF: 343893.0/34

Out: 0.364 $\pm$ 0.000 χ^2 /NDF: 15570.4/38

All: 0.561 $\pm$ 0.000 χ^2 /NDF: 680131.8/73

dit_sam8_4aY_slope vs Slug, Sign Corrected



Right In: -52.257+/-0.004 χ^2/NDF : 24373.7/16

Left Out: -49.295+/-0.001 χ^2/NDF : 481624.7/19

Right Out: -58.637+/-0.000 χ^2/NDF : 31280742.9/18

Left In: -49.539+/-0.001 χ^2/NDF : 414775.3/17

Left: -49.417+/-0.001 χ^2/NDF : 910556.5/37

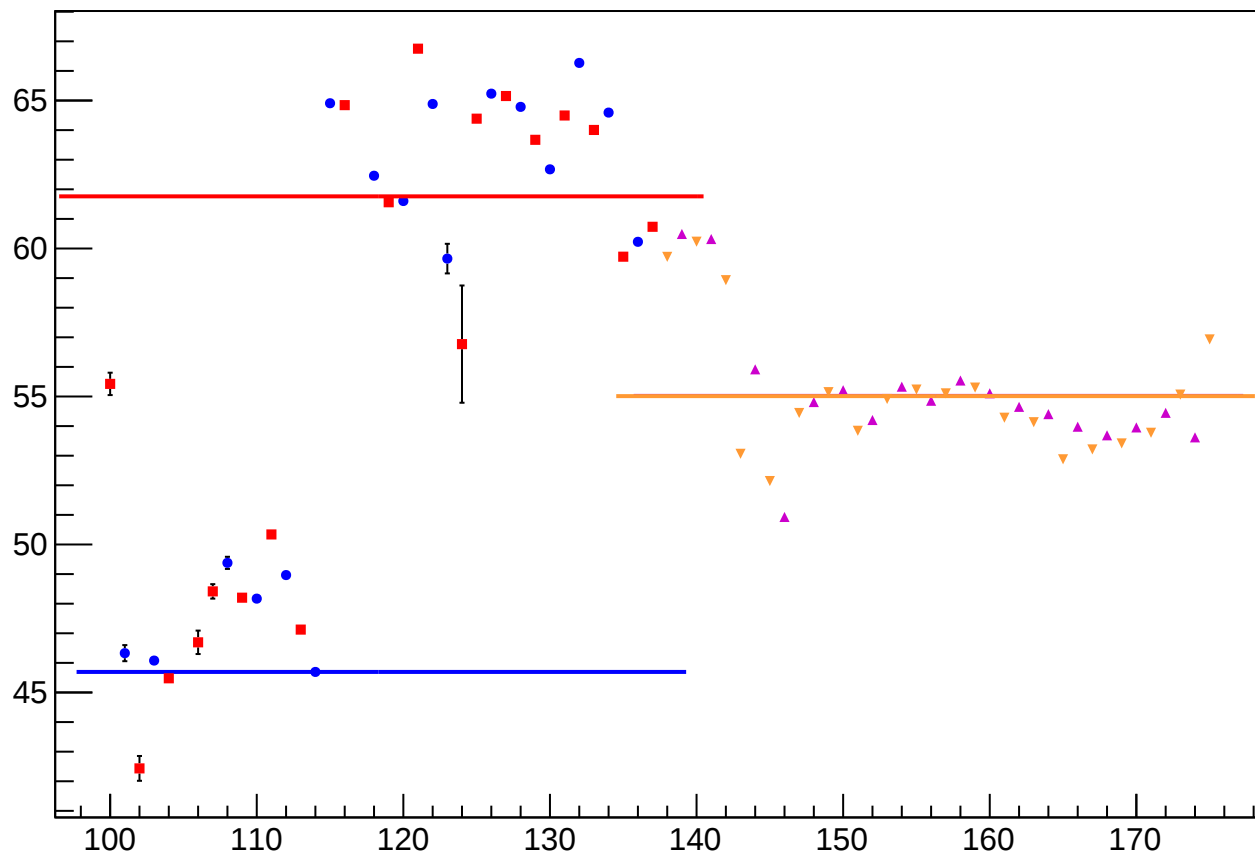
Right: -58.637+/-0.000 χ^2/NDF : 34369113.8/35

In: -49.912+/-0.001 χ^2/NDF : 918938.3/34

Out: -58.637+/-0.000 χ^2/NDF : 73394032.8/38

All: -58.637+/-0.000 χ^2/NDF : 116114915.0/7

dit_sam8_4eY_slope vs Slug, Sign Corrected



Right In: 45.694 $\pm$ 0.000 χ^2 /NDF: 3571709.5/16

Left Out: 55.013 $\pm$ 0.003 χ^2 /NDF:353542.4/19

Right Out: 61.762 $\pm$ 0.006 χ^2 /NDF: 260089.5/18

Left In: 55.020 $\pm$ 0.003 χ^2 /NDF:81474.2/17

Left: 55.017 $\pm$ 0.002 χ^2 /NDF: 435019.8/37

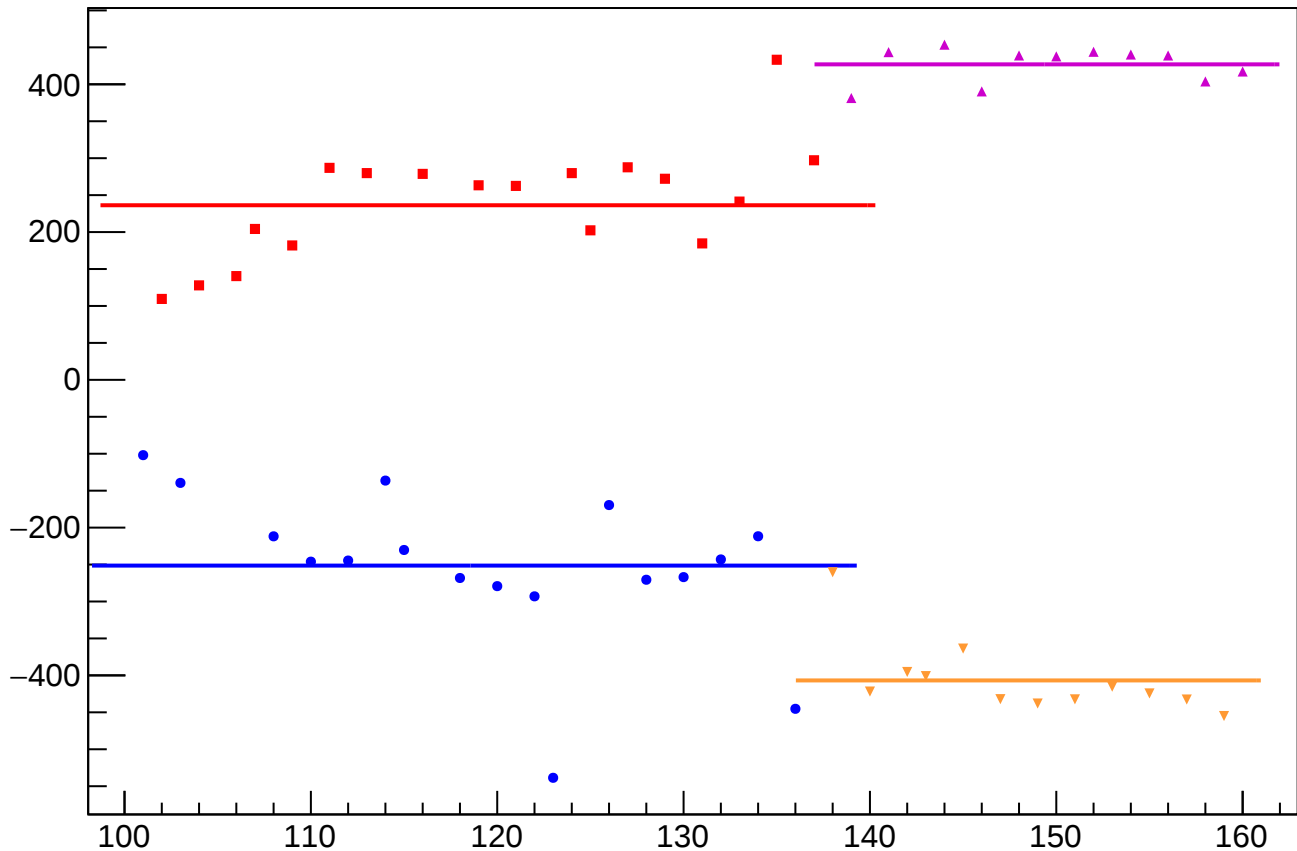
Right: 45.694 $\pm$ 0.000 χ^2 /NDF: 10184097.2/35

In: 45.694 $\pm$ 0.000 χ^2 /NDF:14072599.9/34

Out: 56.341 $\pm$ 0.003 χ^2 /NDF:1513978.2/38

All: 45.694 $\pm$ 0.000 χ^2 /NDF: 29761410.3/73

dit_4aX_coil1_mean vs Slug, Sign Corrected



Right In: -251.407+/-0.000

Left Out: -406.833+/-0.000

Right Out: 236.305+/-0.000

Left In: 426.999+/-0.000

χ^2/NDF : 6377716677142803615785313646231420928.0/16

χ^2/NDF : 2292767804308975563331061576326184960.0/11

χ^2/NDF : 4583669398649017152985031455186878464.0/17

χ^2/NDF : 491897519091150809282810233728532480.0/10

Left: 15.515+/-0.000 χ^2/NDF : 32290507688952396

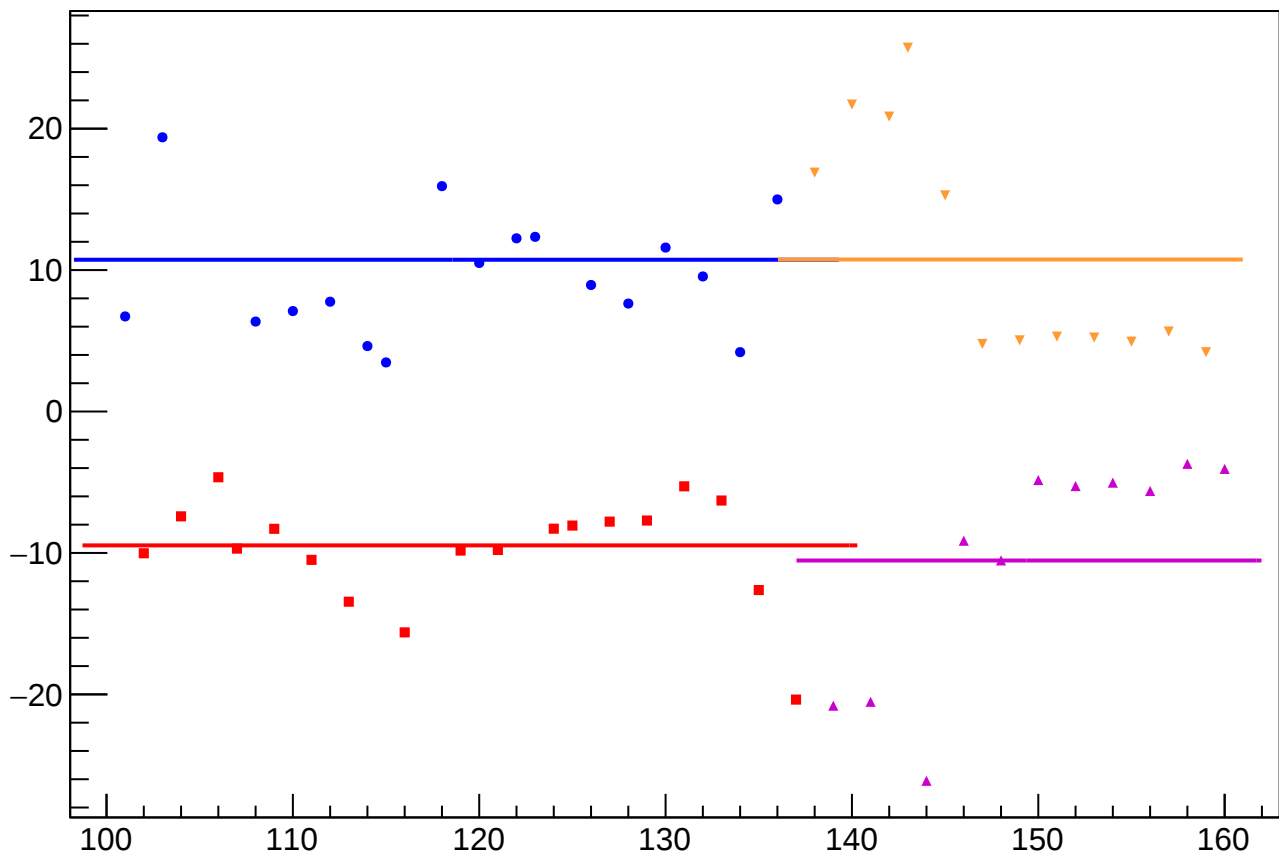
Right: -3.917+/-0.000 χ^2/NDF : 9473030910379414

In: 137.624+/-0.000 χ^2/NDF : 19003095258773893

Out: -123.678+/-0.000 χ^2/NDF : 172412613694126

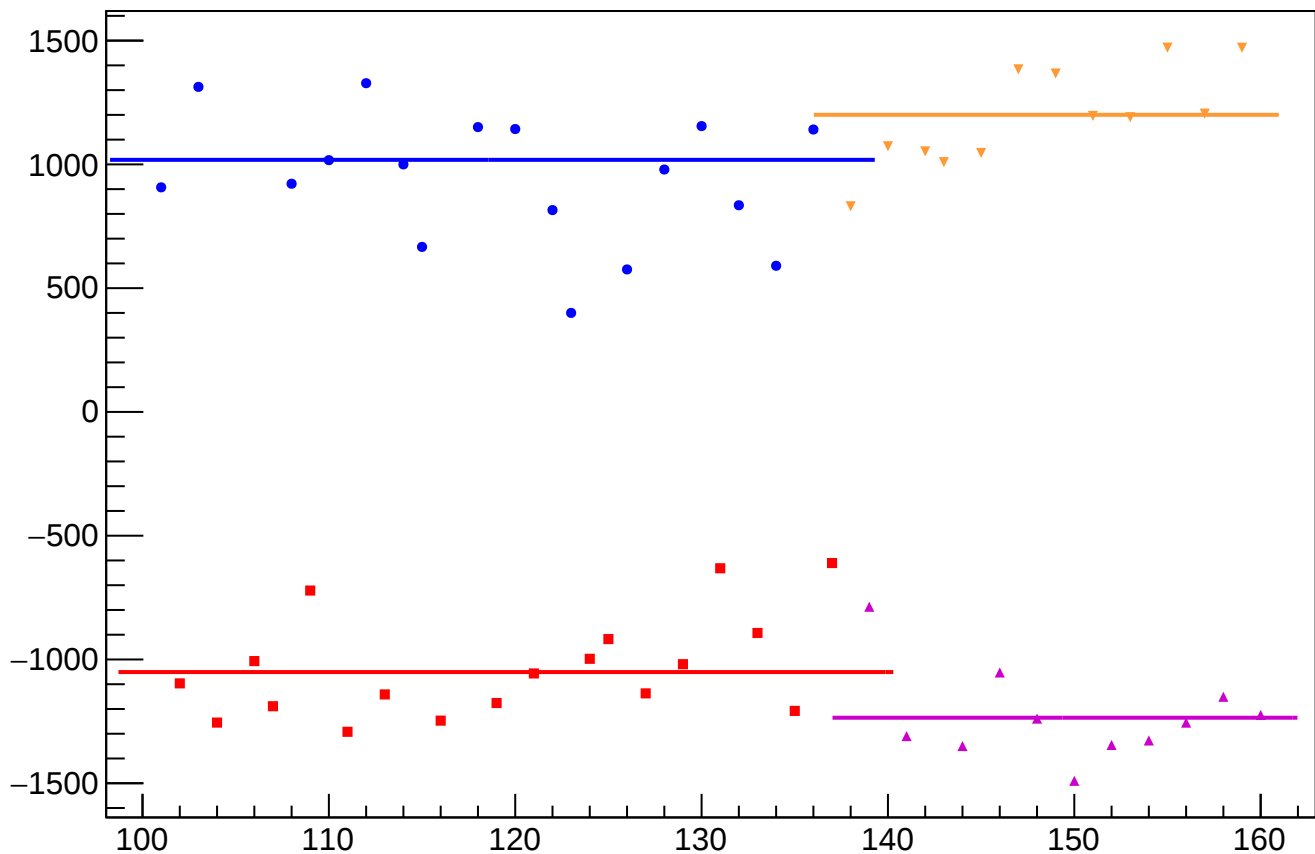
All: 7.093+/-0.000 χ^2/NDF : 41793683043915

dit_4aX_coil1_err_mean vs Slug, Sign Corrected



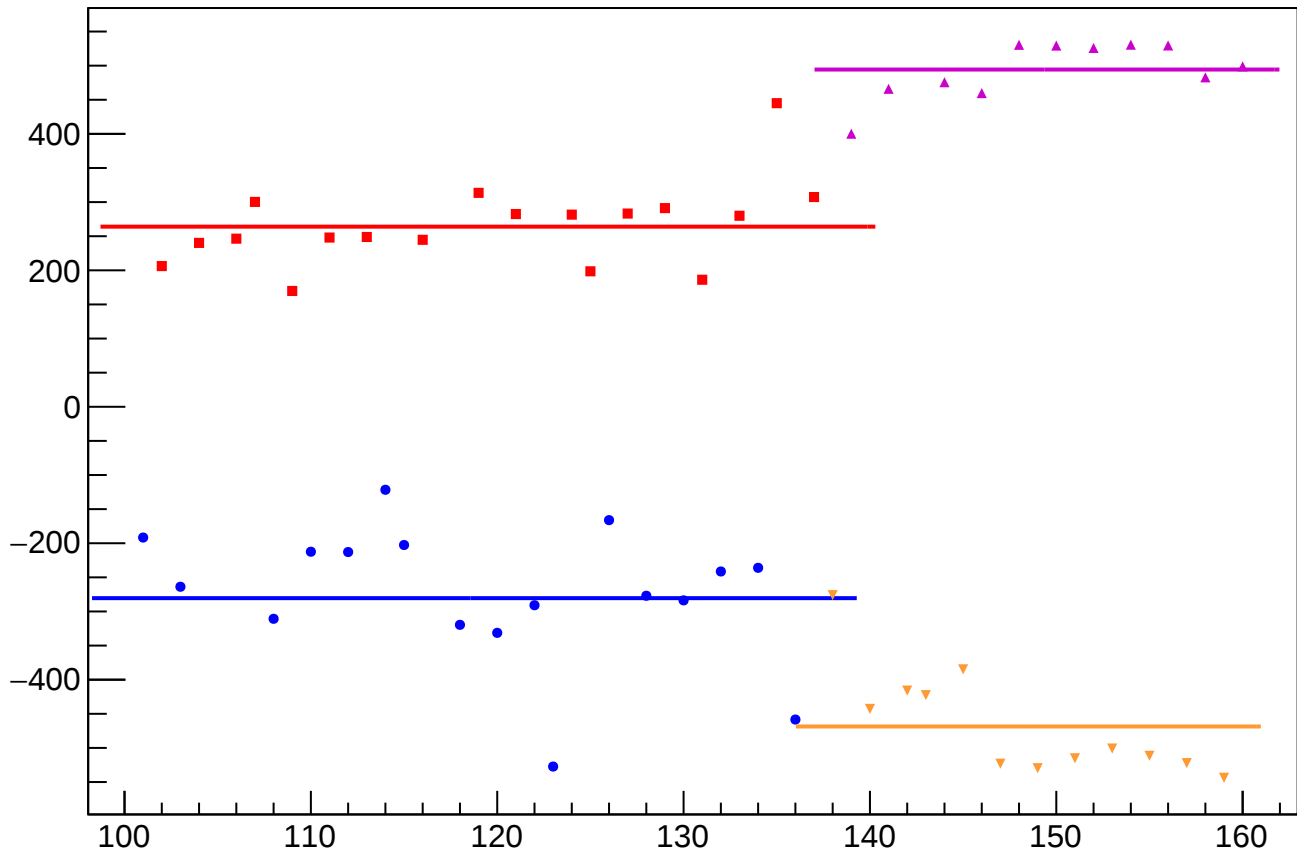
Right In: 10.731+/-0.000 χ^2/NDF : 12832156832660883988585211297267712.0/16
 Left Out: 10.747+/-0.000 χ^2/NDF : 52568555520200298220372681258172416.0/11
 Right Out: -9.465+/-0.000 χ^2/NDF : 6964289429474711338503750841008128.0/17
 Left In: -10.535+/-0.000 χ^2/NDF : 56030306294181725597372333160398848.0/10
 All: 0.191+/-0.000 χ^2/NDF : 48078445544445

dit_4aX_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000	χ^2/NDF : 32778661856751386998435413517146259456.0/16	Left: -33.377+/-0.000	χ^2/NDF : 2794350173420514
Left Out: 1200.293+/-0.000	χ^2/NDF : 34024831893478856274932660157533913088.0/11	Right: -31.639+/-0.000	χ^2/NDF : 156759750862946
Right Out: -1050.842+/-0.000	χ^2/NDF : 26898078099677260392287731084448235520.0/17	In: -273.986+/-0.000	χ^2/NDF : 2083200596416121
Left In: -1235.313+/-0.000	χ^2/NDF : 29022677529286996275047766841758842880.0/10	Out: 209.183+/-0.000	χ^2/NDF : 2089011032009014
	All: -32.624+/-0.000	χ^2/NDF : 436195009310	

dit_4eX_coil1_mean vs Slug, Sign Corrected



Right In: -280.488+/-0.000

Left Out: -468.575+/-0.000

Right Out: 264.038+/-0.000

Left In: 494.291+/-0.000

χ^2/NDF : 5126630238526976320868749941319663616.0/16

χ^2/NDF : 5376900160405137659978716094572527616.0/11

χ^2/NDF : 2950904189133891581840816046652522496.0/17

χ^2/NDF : 1453739025414967917322489885861347328.0/10

Left: 19.131+/-0.000 χ^2/NDF : 43369236595936528

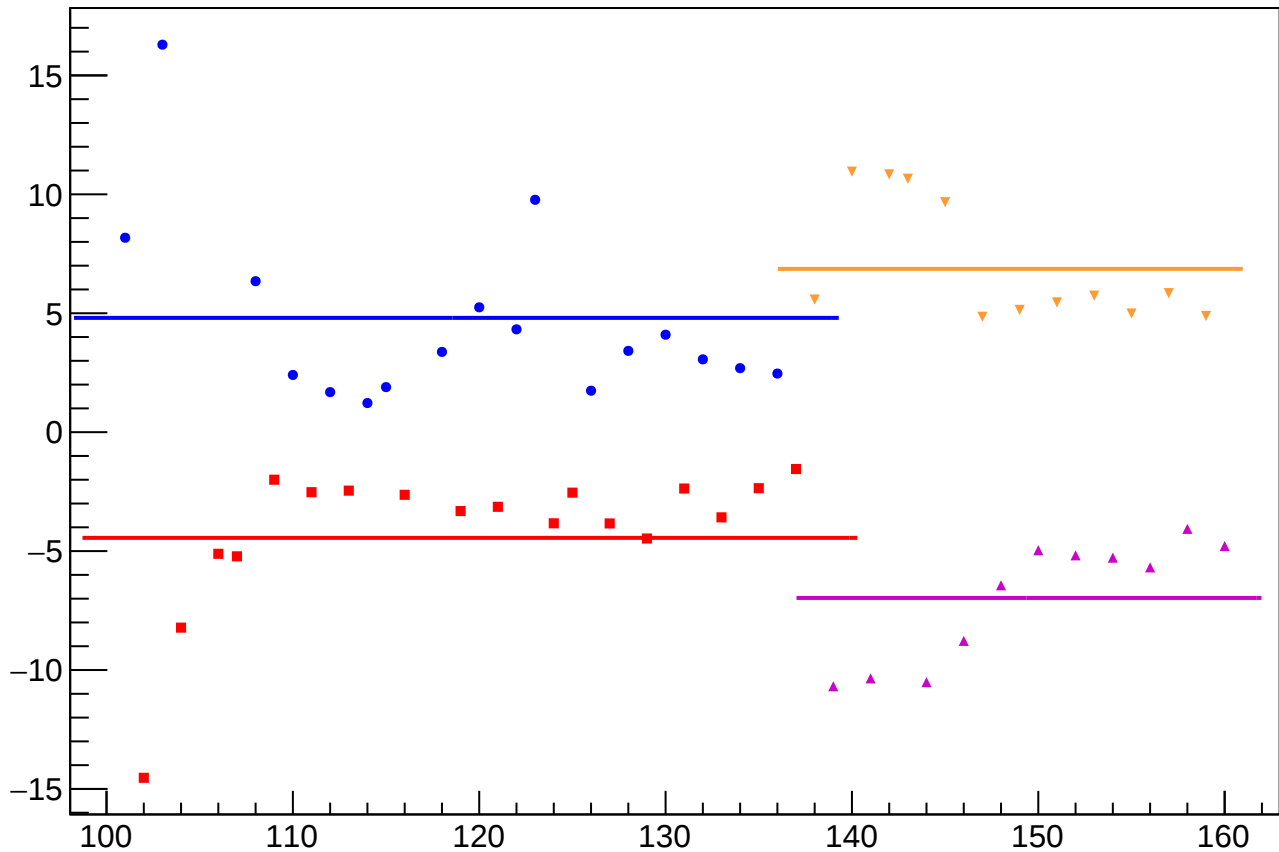
Right: -4.167+/-0.000 χ^2/NDF : 1124995033891218

In: 163.807+/-0.000 χ^2/NDF : 24547656580890999

Out: -146.027+/-0.000 χ^2/NDF : 223127037858541

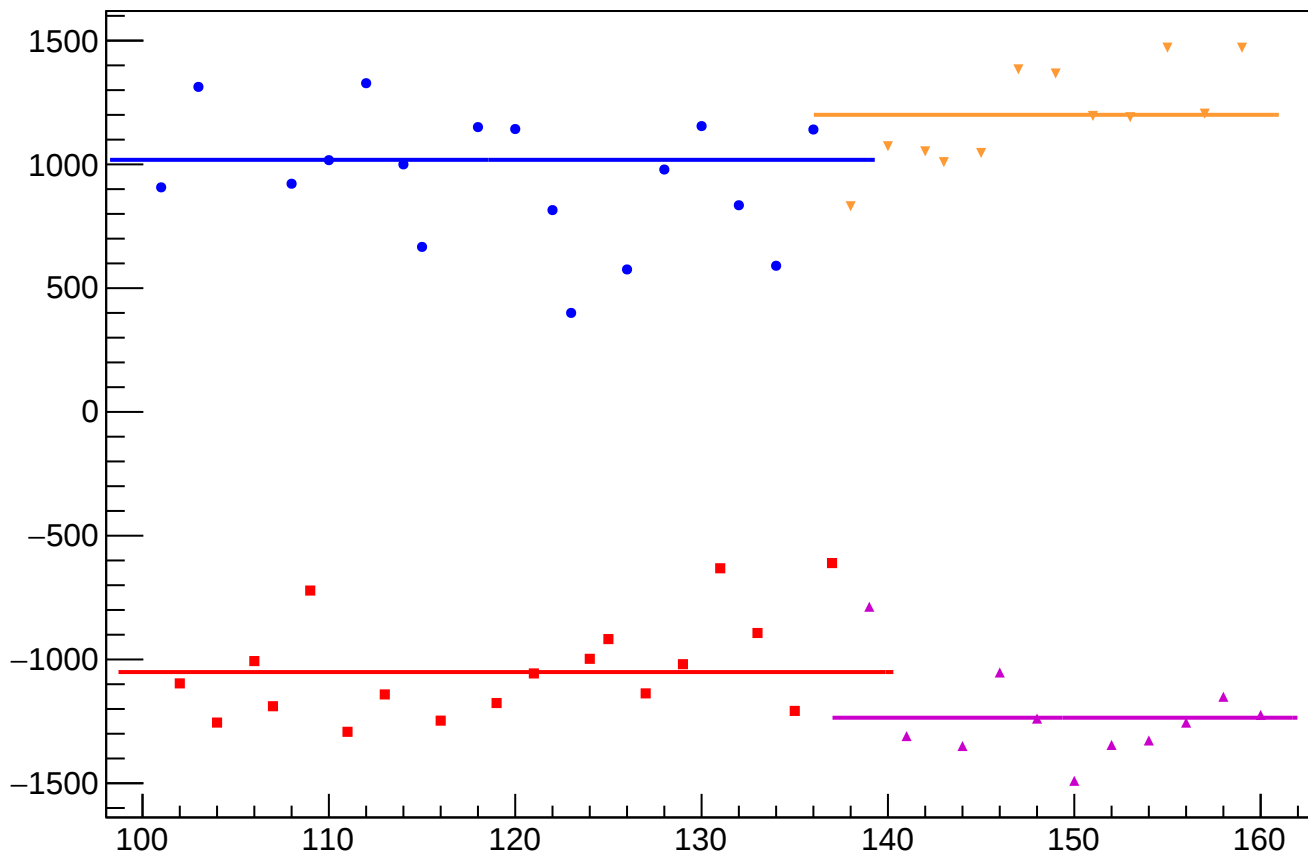
All: 9.033+/-0.000 χ^2/NDF : 54662520345172

dit_4eX_coil1_err_mean vs Slug, Sign Corrected



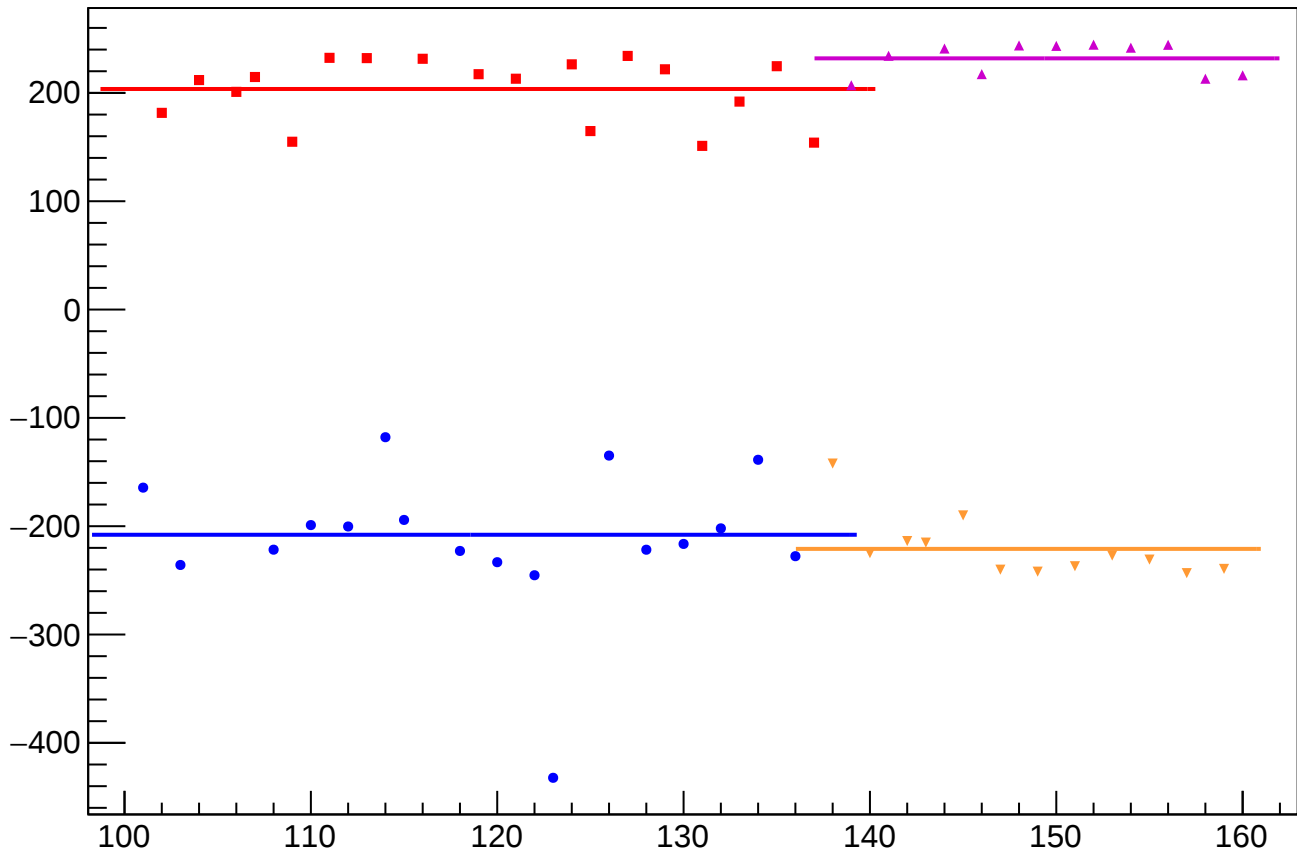
Right In: 4.806 ± 0.000 $\chi^2/\text{NDF}: 10922956451109492621931429310234624.0/16$
 Left Out: 6.866 ± 0.000 $\chi^2/\text{NDF}: 5299669563995653642636095012208640.0/11$
 Right Out: -4.443 ± 0.000 $\chi^2/\text{NDF}: 8238698902114437843582467079929856.0/17$
 Left In: -6.969 ± 0.000 $\chi^2/\text{NDF}: 5610929853594389107325212135784448.0/10$
 All: -0.032 ± 0.000 $\chi^2/\text{NDF}: 1483821465904$

dit_4eX_coil1_Ndata_mean vs Slug, Sign Corrected



Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514
 Right In: 1018.403+/-0.000 χ^2/NDF : 32778661856751386998435413517146259456.0/16
 Left Out: 1200.293+/-0.000 χ^2/NDF : 34024831893478856274932660157533913088.0/11
 Right Out: -1050.842+/-0.000 χ^2/NDF : 26898078099677260392287731084448235520.0/17
 Left In: -1235.313+/-0.000 χ^2/NDF : 29022677529286996275047766841758842880.0/10
 All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_11X12X_coil1_mean vs Slug, Sign Corrected



Right In: -207.905+/-0.000

χ^2/NDF : 932229169633108948090208893374824448.0/16

Left Out: -220.938+/-0.000

χ^2/NDF : 725702280929192018663060859751759872.0/11

Right Out: 203.621+/-0.000

χ^2/NDF : 555366082114711816530063438779514880.0/17

Left In: 231.896+/-0.000

χ^2/NDF : 183329680516479381507897892871864320.0/10

Left: 8.429+/-0.000 χ^2/NDF : 953222302961658420

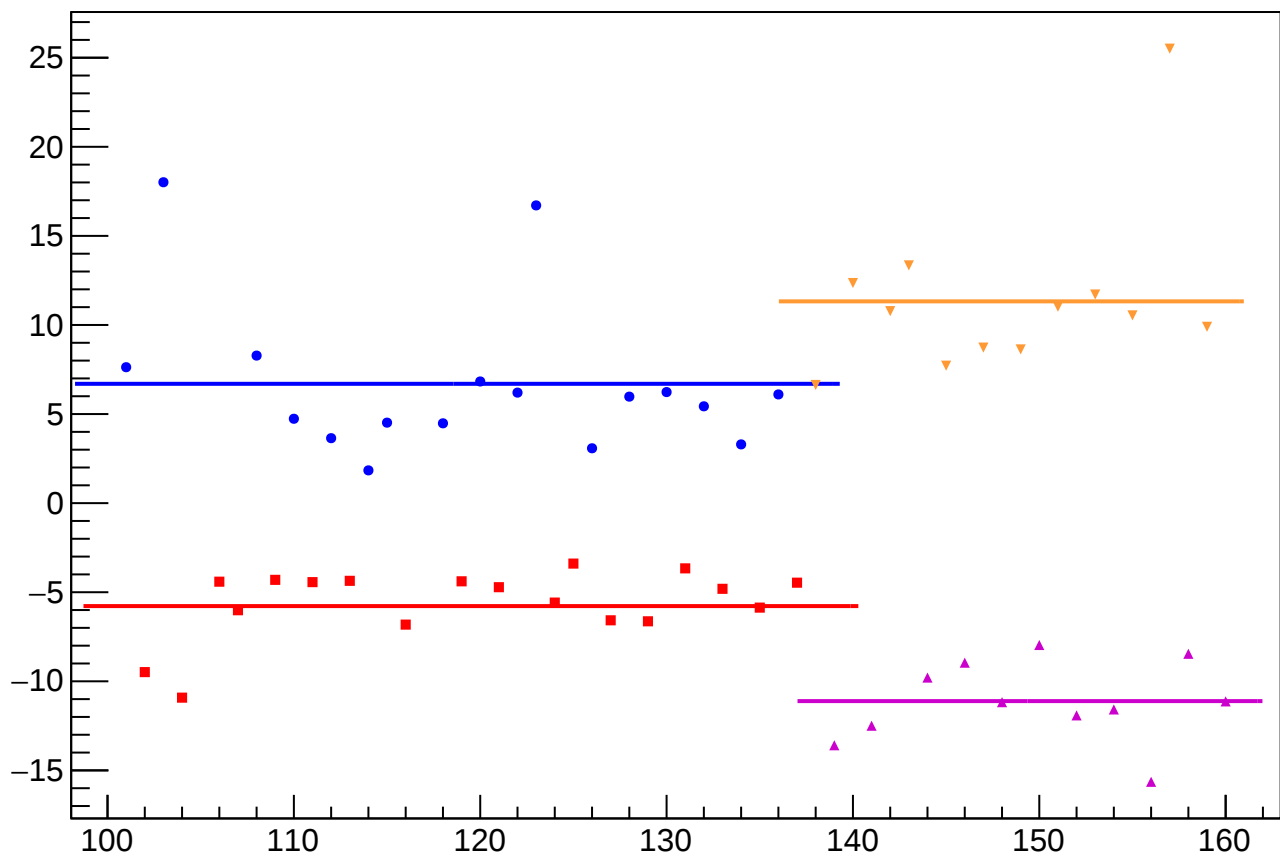
Right: 0.925+/-0.000 χ^2/NDF : 61129354546867051

In: 44.298+/-0.000 χ^2/NDF : 780934056728326017

Out: -34.017+/-0.000 χ^2/NDF : 7341842705768315

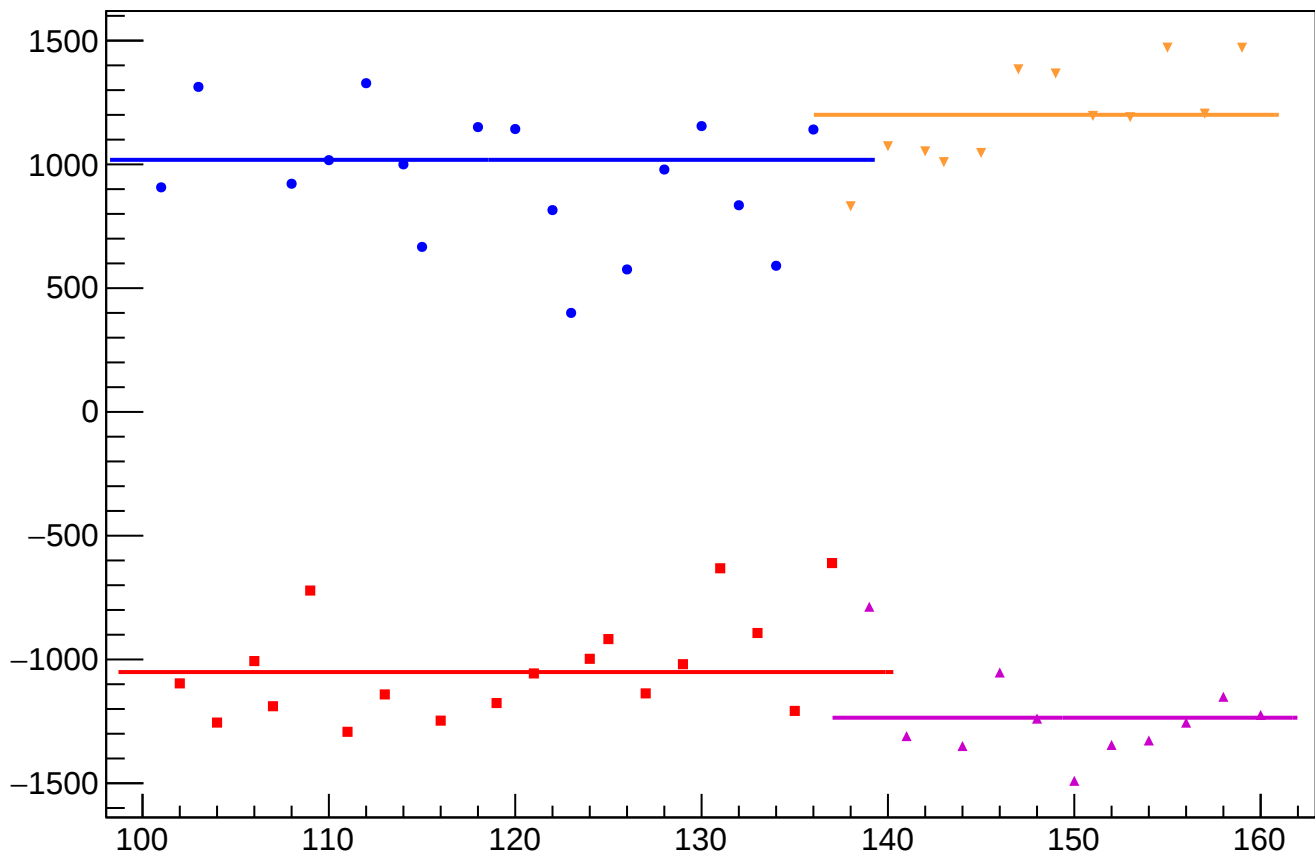
All: 5.177+/-0.000 χ^2/NDF : 15649654139583

dit_11X12X_coil1_err_mean vs Slug, Sign Corrected



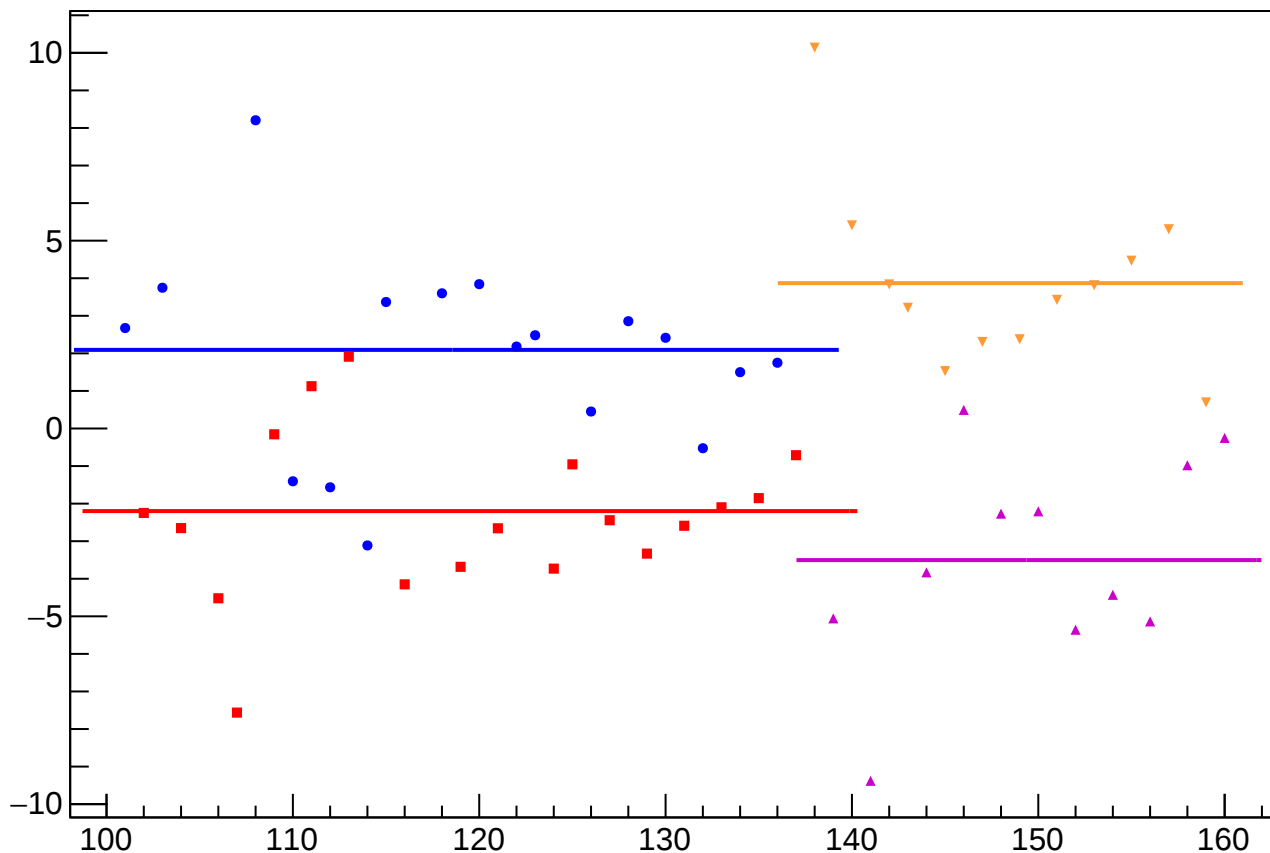
Right In: 6.697 ± 0.000 χ^2/NDF : 10220265362684500644667484757032960.0/16
 Left Out: 11.325 ± 0.000 χ^2/NDF : 19360042625652449313367034255376384.0/11
 Right Out: -5.778 ± 0.000 χ^2/NDF : 3154580715579075896881670619398144.0/17
 Left In: -11.111 ± 0.000 χ^2/NDF : 4392167277443947568386278164529152.0/10
 All: 0.137 ± 0.000 χ^2/NDF : 32384583598296

dit_11X12X_coil1_Ndata_mean vs Slug, Sign Corrected



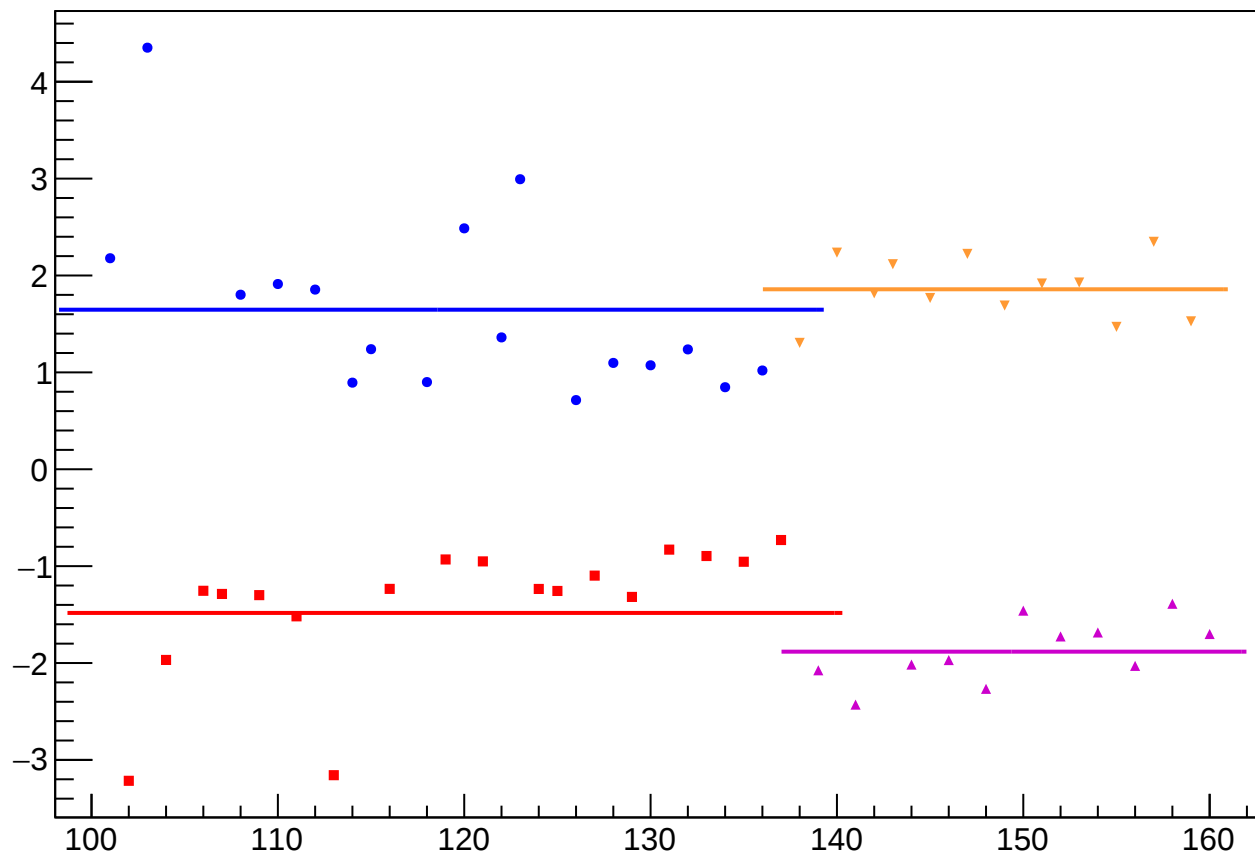
Right In: 1018.403+/-0.000 χ^2/NDF : 32778661856751386998435413517146259456.0/16
 Left Out: 1200.293+/-0.000 χ^2/NDF : 34024831893478856274932660157533913088.0/11
 Right Out: -1050.842+/-0.000 χ^2/NDF : 26898078099677260392287731084448235520.0/17
 Left In: -1235.313+/-0.000 χ^2/NDF : 29022677529286996275047766841758842880.0/10
 All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_4aY_coil1_mean vs Slug, Sign Corrected



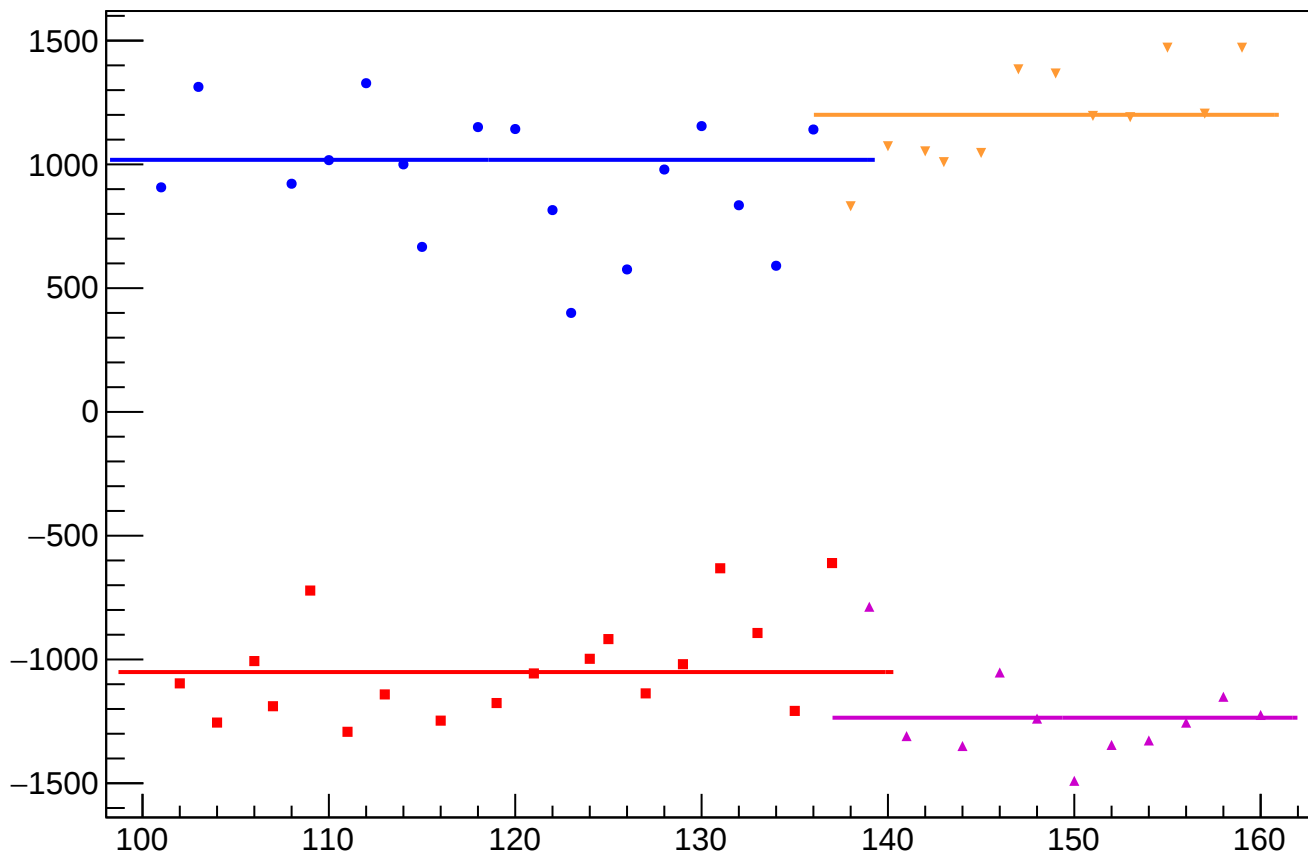
Left: 0.135 +/- 0.000 χ^2/NDF : 368509410294214663
 Right In: 2.093 +/- 0.000 χ^2/NDF : 3708588340032367175525218060861440.0/16
 Right: -0.085 +/- 0.000 χ^2/NDF : 1330172036915898
 Left Out: 3.870 +/- 0.000 χ^2/NDF : 5096895495074779754701121480818688.0/11
 In: -1.116 +/- 0.000 χ^2/NDF : 228997943130651727
 Right Out: -2.199 +/- 0.000 χ^2/NDF : 3107113733134423203865144181391360.0/17
 Out: 1.198 +/- 0.000 χ^2/NDF : 229403467126811658
 Left In: -3.503 +/- 0.000 χ^2/NDF : 6729958277549549509263051005624320.0/10
 All: 0.040 +/- 0.000 χ^2/NDF : 50191355697272

dit_4aY_coil1_err_mean vs Slug, Sign Corrected



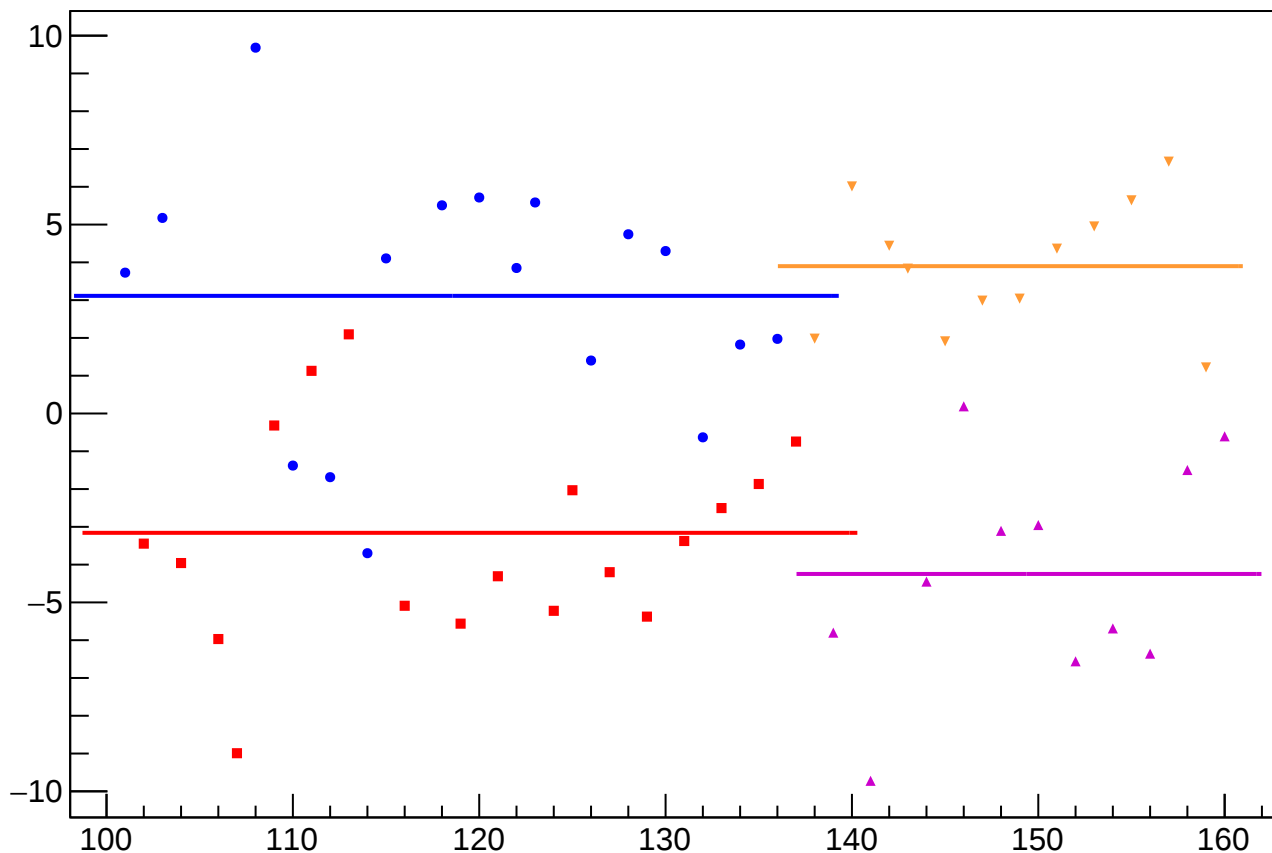
Right In: 1.647 ± 0.000 $\chi^2/\text{NDF}: 651088572320131635658625105526784.0/16$
 Left Out: 1.858 ± 0.000 $\chi^2/\text{NDF}: 92819096352183662549607808761856.0/11$
 Right Out: -1.483 ± 0.000 $\chi^2/\text{NDF}: 413770473105203088009551048343552.0/17$
 Left In: -1.883 ± 0.000 $\chi^2/\text{NDF}: 89198060548496721731654669828096.0/10$
 All: 0.005 ± 0.000 $\chi^2/\text{NDF}: 11145646478182$

dit_4aY_coil1_Ndata_mean vs Slug, Sign Corrected



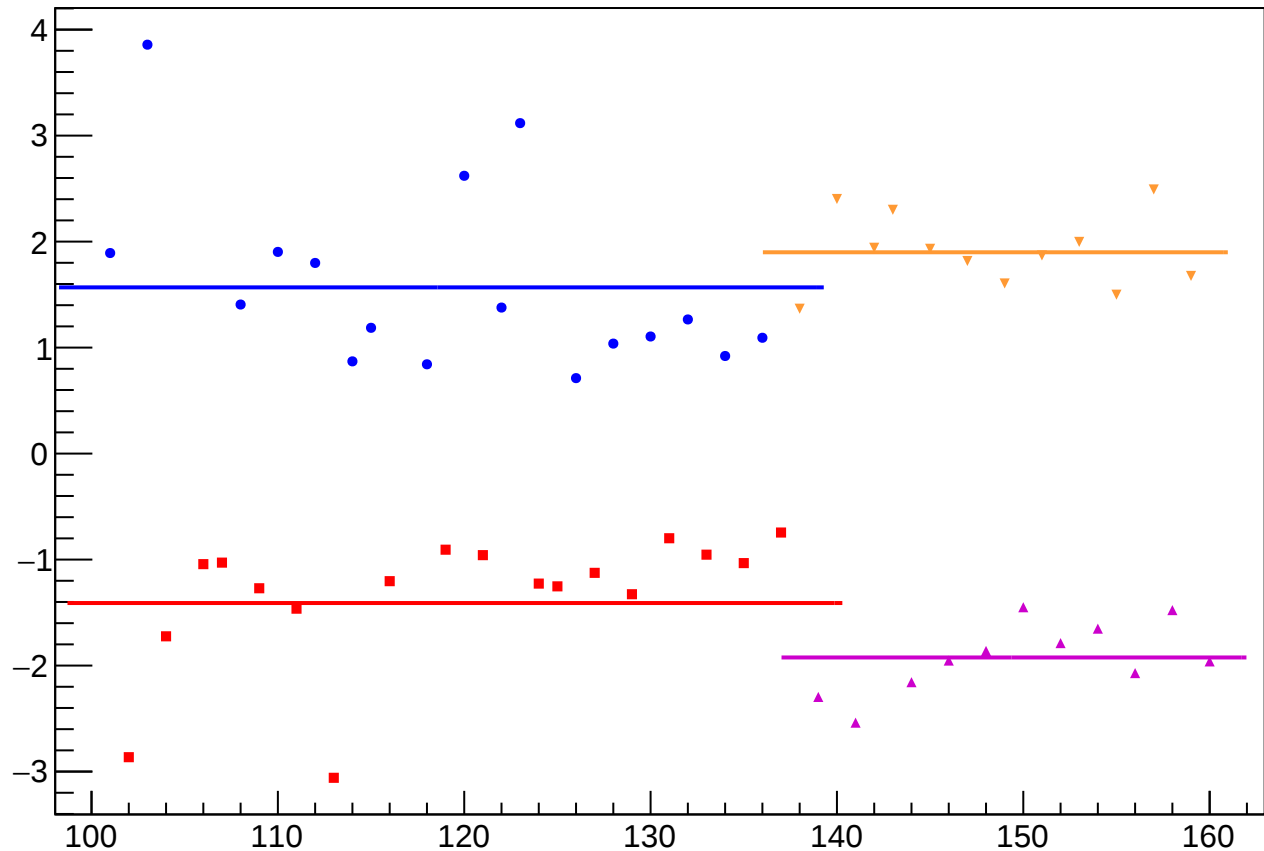
Right In: 1018.403+/-0.000 χ^2/NDF : 32778661856751386998435413517146259456.0/16
 Left Out: 1200.293+/-0.000 χ^2/NDF : 34024831893478856274932660157533913088.0/11
 Right Out: -1050.842+/-0.000 χ^2/NDF : 26898078099677260392287731084448235520.0/17
 Left In: -1235.313+/-0.000 χ^2/NDF : 29022677529286996275047766841758842880.0/10
 All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_4eY_coil1_mean vs Slug, Sign Corrected



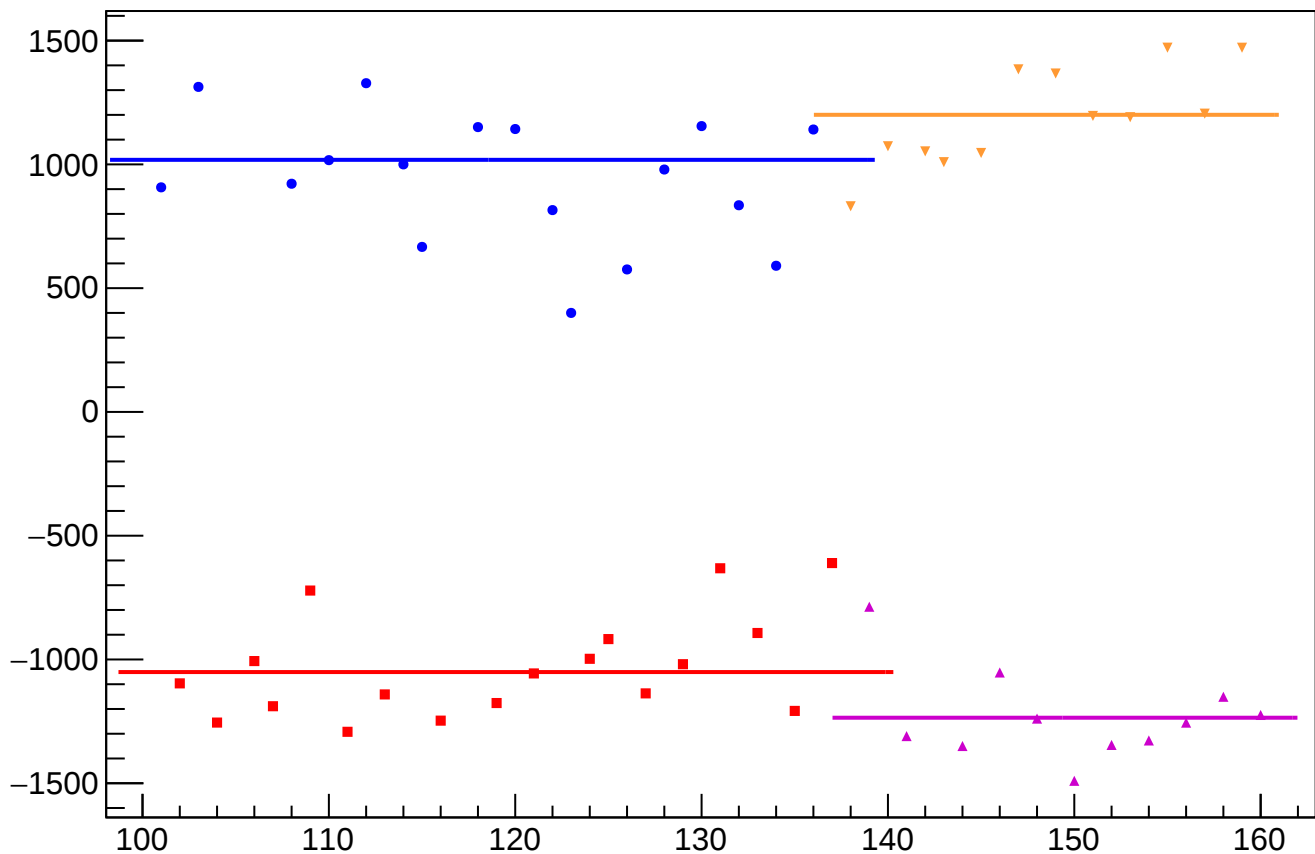
Right In: 3.113+/-0.000 χ^2/NDF : 5969364473683453458180416326336512.0/16
 Left Out: 3.899+/-0.000 χ^2/NDF : 2596063476262392643786187397398528.0/11
 Right Out: -3.158+/-0.000 χ^2/NDF : 5013186540103138237647291198472192.0/17
 Left In: -4.247+/-0.000 χ^2/NDF : 7362557296783828788324476360065024.0/10
 All: -0.159+/-0.000 χ^2/NDF : 6536999261732

dit_4eY_coil1_err_mean vs Slug, Sign Corrected



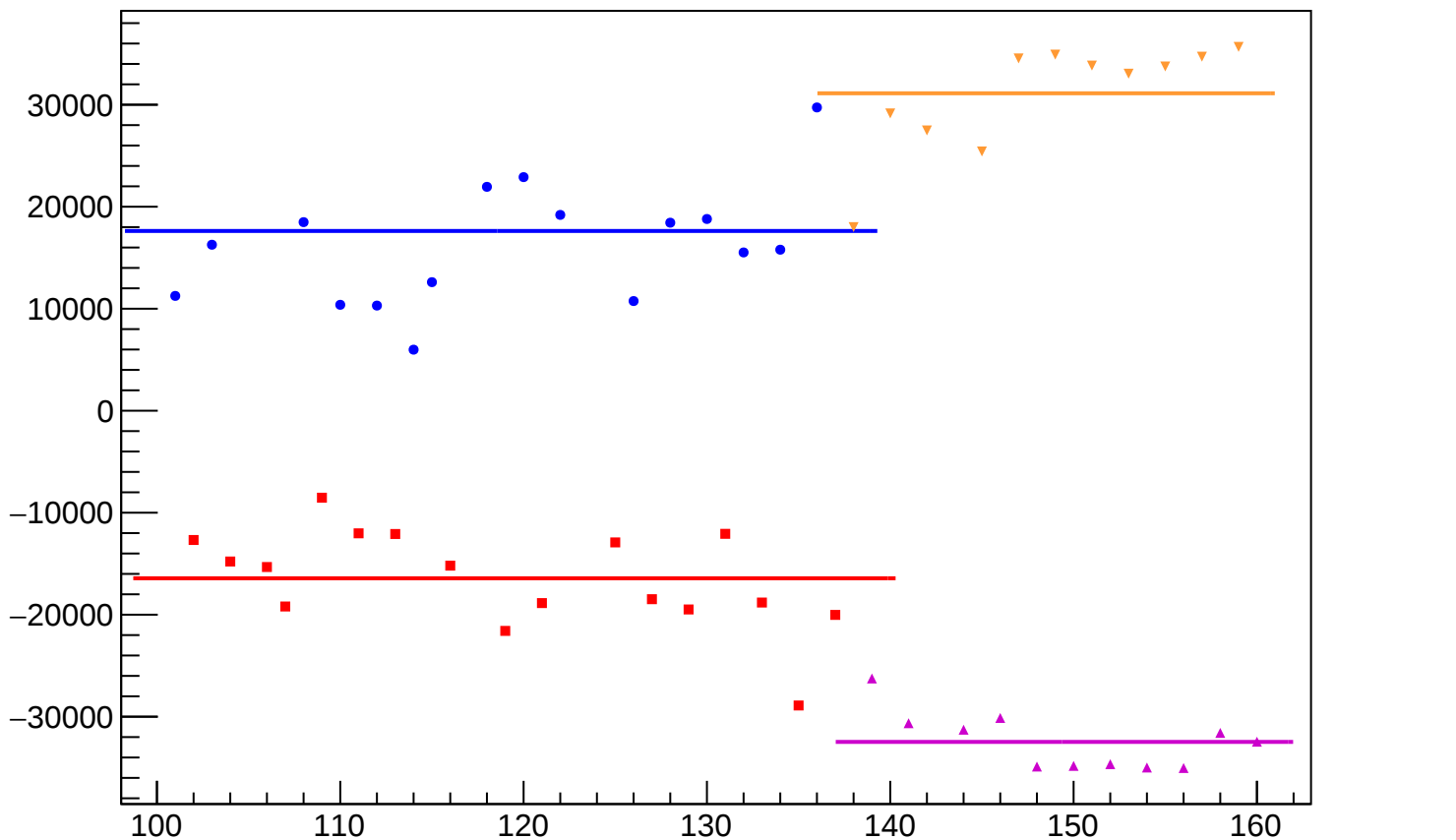
Right In: 1.568 ± 0.000 χ^2/NDF : 496968559591870447992286312660992.0/16
 Left Out: 1.899 ± 0.000 χ^2/NDF : 105245400634415170842187400216576.0/11
 Right Out: -1.410 ± 0.000 χ^2/NDF : 328993477679498579442129623318528.0/17
 Left In: -1.924 ± 0.000 χ^2/NDF : 95242962939028869202536503967744.0/10
 All: 0.004 ± 0.000 χ^2/NDF : 10885569689706

dit_4eY_coil1_Ndata_mean vs Slug, Sign Corrected



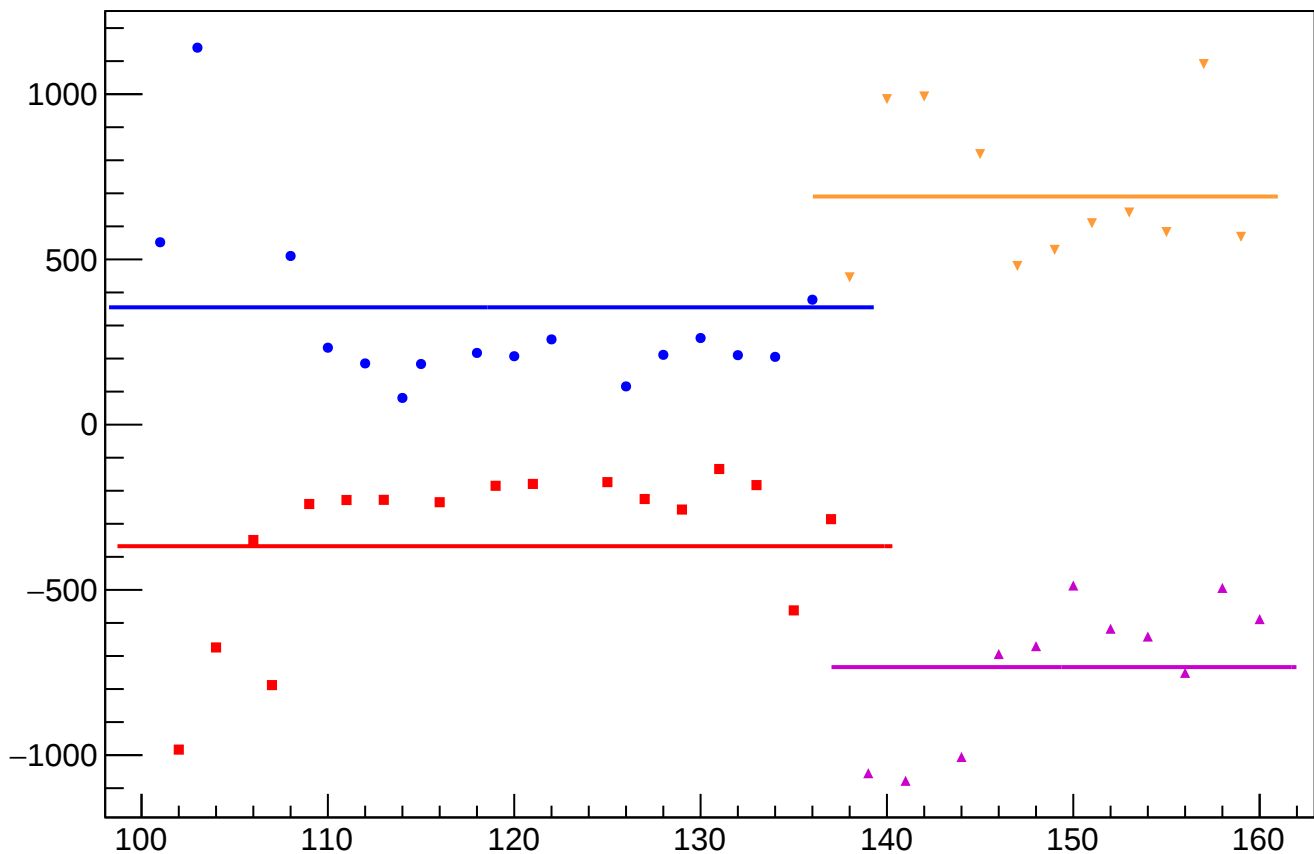
Right In: 1018.403+/-0.000	χ^2/NDF : 32778661856751386998435413517146259456.0/16	Left: -33.377+/-0.000	χ^2/NDF : 2794350173420514
Left Out: 1200.293+/-0.000	χ^2/NDF : 34024831893478856274932660157533913088.0/11	Right: -31.639+/-0.000	χ^2/NDF : 156759750862946
Right Out: -1050.842+/-0.000	χ^2/NDF : 26898078099677260392287731084448235520.0/17	In: -273.986+/-0.000	χ^2/NDF : 2083200596416121
Left In: -1235.313+/-0.000	χ^2/NDF : 29022677529286996275047766841758842880.0/10	Out: 209.183+/-0.000	χ^2/NDF : 2089011032009014
	All: -32.624+/-0.000	χ^2/NDF : 436195009310	

dit_usl_coil1_mean vs Slug, Sign Corrected



Right In: 17623.415+/-0.000 χ^2/NDF : 26214852160510248108396540611197117923328.0/15
 Left Out: 31121.908+/-0.000 χ^2/NDF : 23059902976455903047894835429096743239680.0/10
 Right Out: -16427.279+/-0.000 χ^2/NDF : 17497664990525804314439933995132913713152.0/16
 Left In: -32472.045+/-0.000 χ^2/NDF : 6559386601849495088258310306923846565888.0/10
 All: -1088.799+/-0.000 χ^2/NDF : 2272376029

dit_usl_coil1_err_mean vs Slug, Sign Corrected



Right In: 355.072+/-0.000

χ^2/NDF : 50262750162224494428361272812030132224.0/15

Left Out: 690.314+/-0.000

χ^2/NDF : 37624697763034602007656197583819243520.0/10

Right Out: -367.779+/-0.000

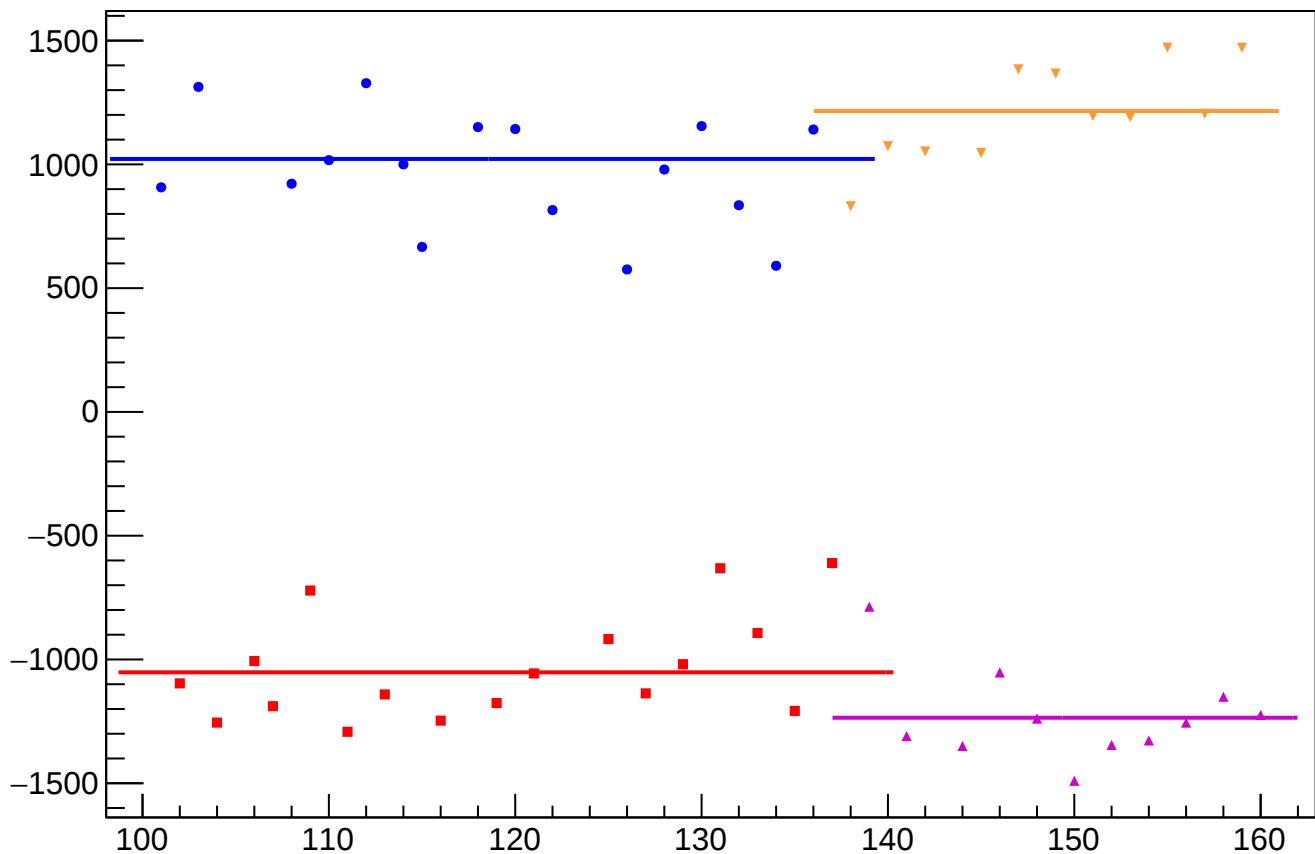
χ^2/NDF : 47461092327588428657122003339509235712.0/16

Left In: -733.575+/-0.000

χ^2/NDF : 39366801674031082271771997491878166528.0/10

All: -36.638+/-0.000 χ^2/NDF : 125559457835

dit_usl_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.988 $\pm$ 0.000

χ^2/NDF : 31240102732297466680062358937095110656.0/15

Left Out: 1215.518 $\pm$ 0.000

χ^2/NDF : 31376780831313540387850491409995923456.0/10

Right Out: -1051.912 $\pm$ 0.000

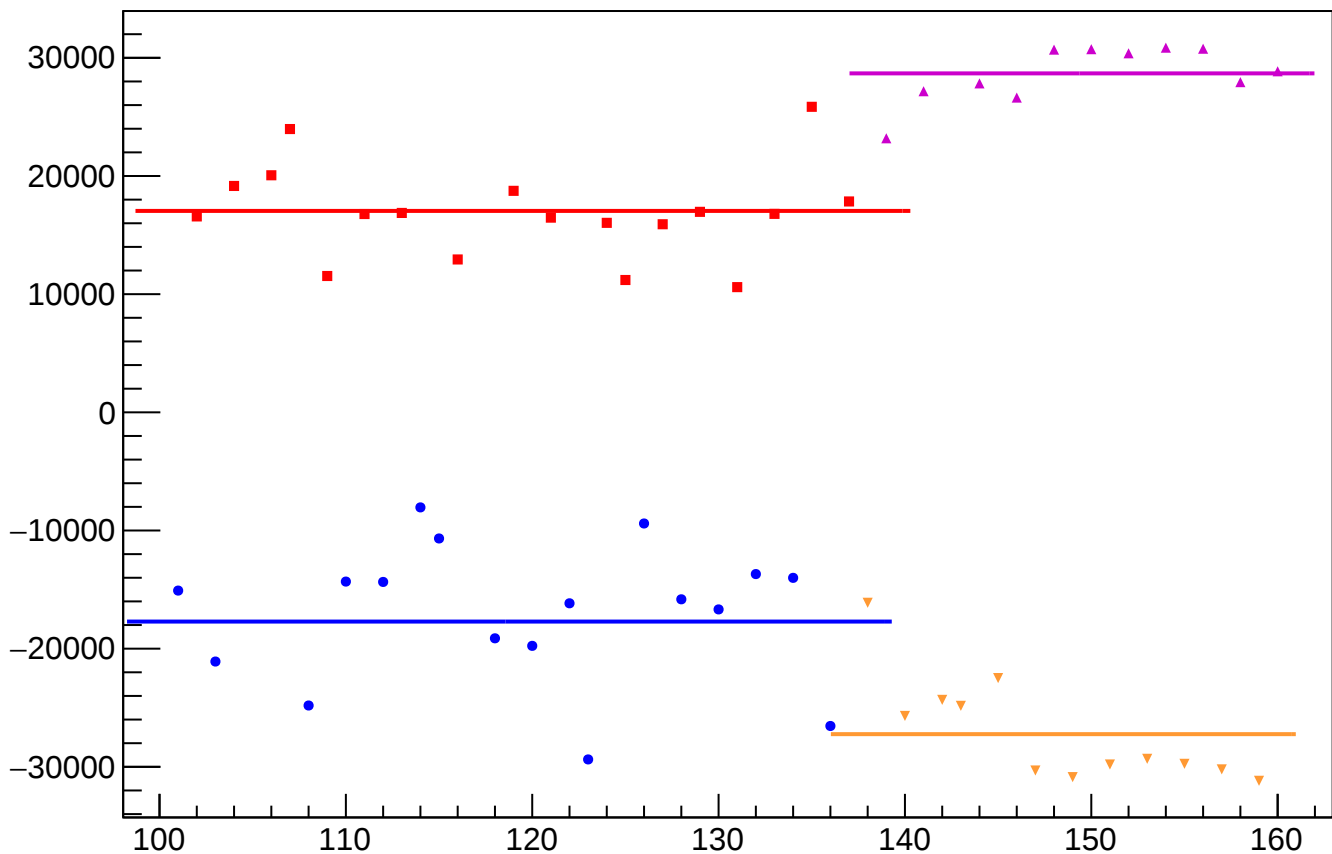
χ^2/NDF : 26857120331966502825045576618889707520.0/16

Left In: -1235.313 $\pm$ 0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

Left: -72.722 $\pm$ 0.000 χ^2/NDF : 2718809882029670.0/15
 Right: -23.162 $\pm$ 0.000 χ^2/NDF : 155369766724593.0/15
 In: -275.647 $\pm$ 0.000 χ^2/NDF : 2081379090443663.0/15
 Out: 185.402 $\pm$ 0.000 χ^2/NDF : 2024904923484737.0/15
 All: -50.947 $\pm$ 0.000 χ^2/NDF : 427442302234.0/15

dit_usr_coil1_mean vs Slug, Sign Corrected



Right In: -17706.432+/-0.000

Left Out: -27234.311+/-0.000

Right Out: 17045.413+/-0.000

Left In: 28684.462+/-0.000

χ^2/NDF : 17446583920719856354509663675734298722304.0/16

χ^2/NDF : 17501423858802312277149406811030835691520.0/11

χ^2/NDF : 10956517506901040130363493382016229965824.0/17

χ^2/NDF : 4838740363214091105444424537307038613504.0/10

Left: 1089.367+/-0.000 χ^2/NDF : 146203735628792

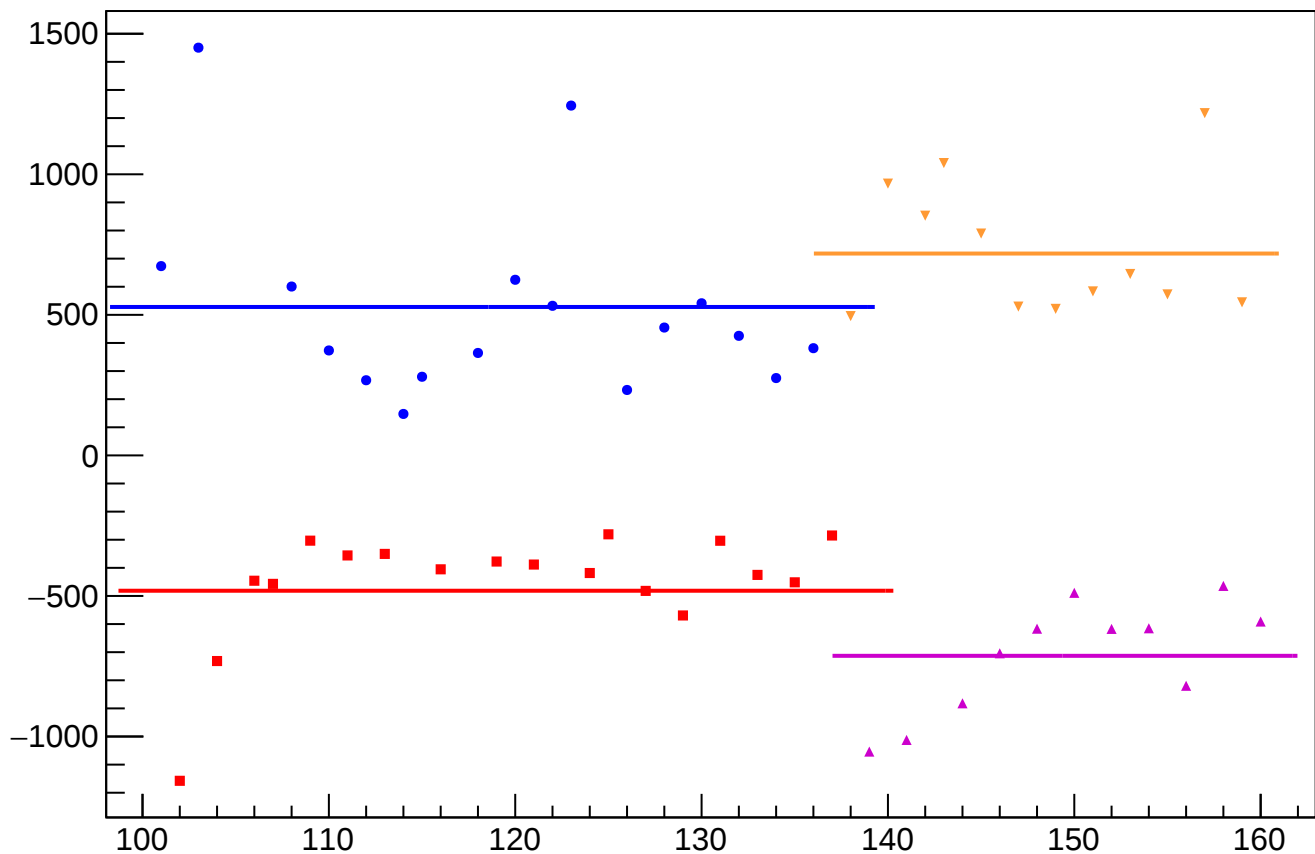
Right: -71.535+/-0.000 χ^2/NDF : 453717668983601

In: 8896.336+/-0.000 χ^2/NDF : 8787689036344538

Out: -7739.235+/-0.000 χ^2/NDF : 81313997076269

All: 586.226+/-0.000 χ^2/NDF : 191683093358

dit_usr_coil1_err_mean vs Slug, Sign Corrected



Right In: 528.041+/-0.000

χ^2/NDF : 69659723827653646879006199384029265920.0/16

Left Out: 718.075+/-0.000

χ^2/NDF : 47539185486125031464503975982300921856.0/11

Right Out: -481.423+/-0.000

χ^2/NDF : 37781807344960782949995964438094544896.0/17

Left In: -712.956+/-0.000

χ^2/NDF : 33715682233034029284600696449779367936.0/10

Left: -6.763+/-0.000 χ^2/NDF : 10241293402202256

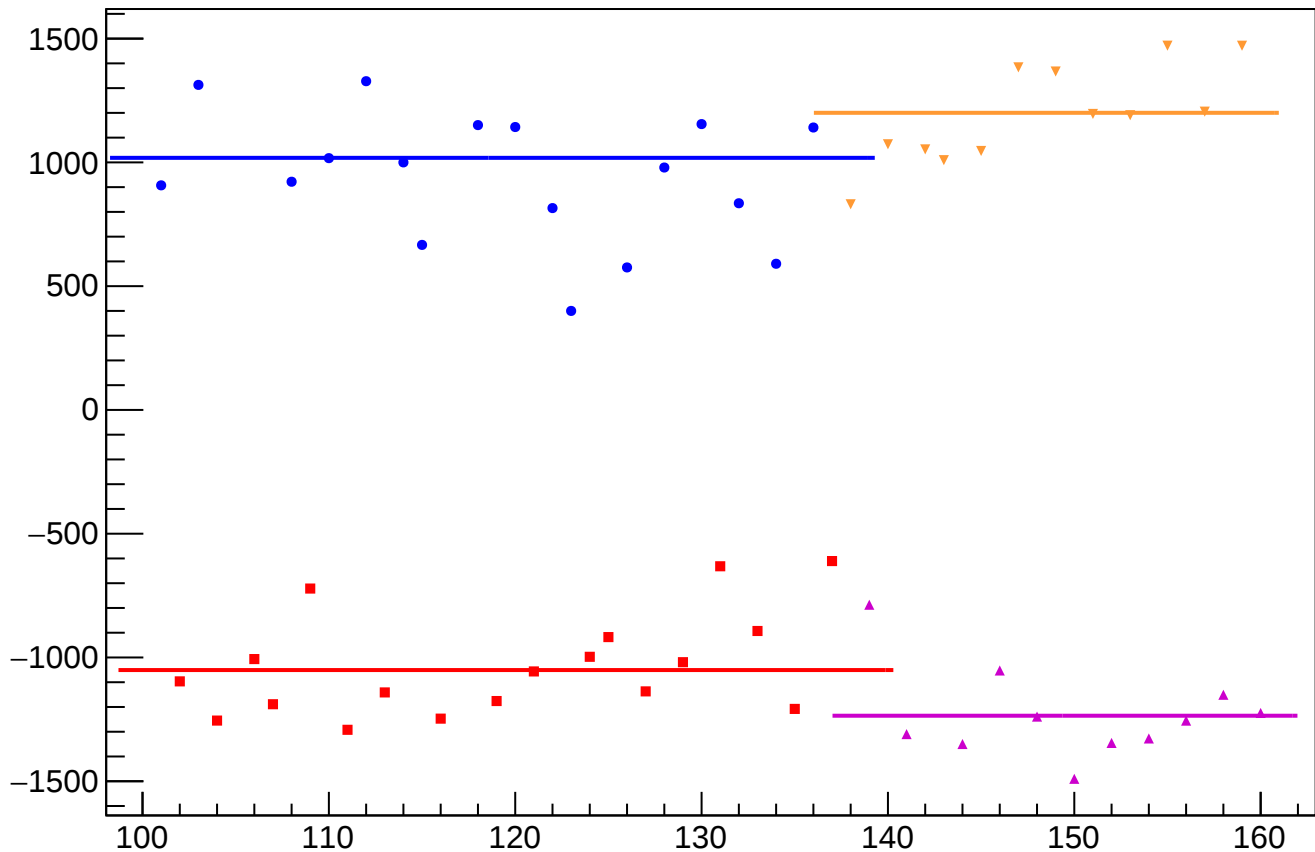
Right: 15.787+/-0.000 χ^2/NDF : 4663106171040753

In: -183.606+/-0.000 χ^2/NDF : 7162828368528680

Out: 189.971+/-0.000 χ^2/NDF : 6611358310855080

All: 3.010+/-0.000 χ^2/NDF : 14908458943578

dit_usr_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000

χ^2/NDF : 32778661856751386998435413517146259456.0/16

Left Out: 1200.293+/-0.000

χ^2/NDF : 34024831893478856274932660157533913088.0/11

Right Out: -1050.842+/-0.000

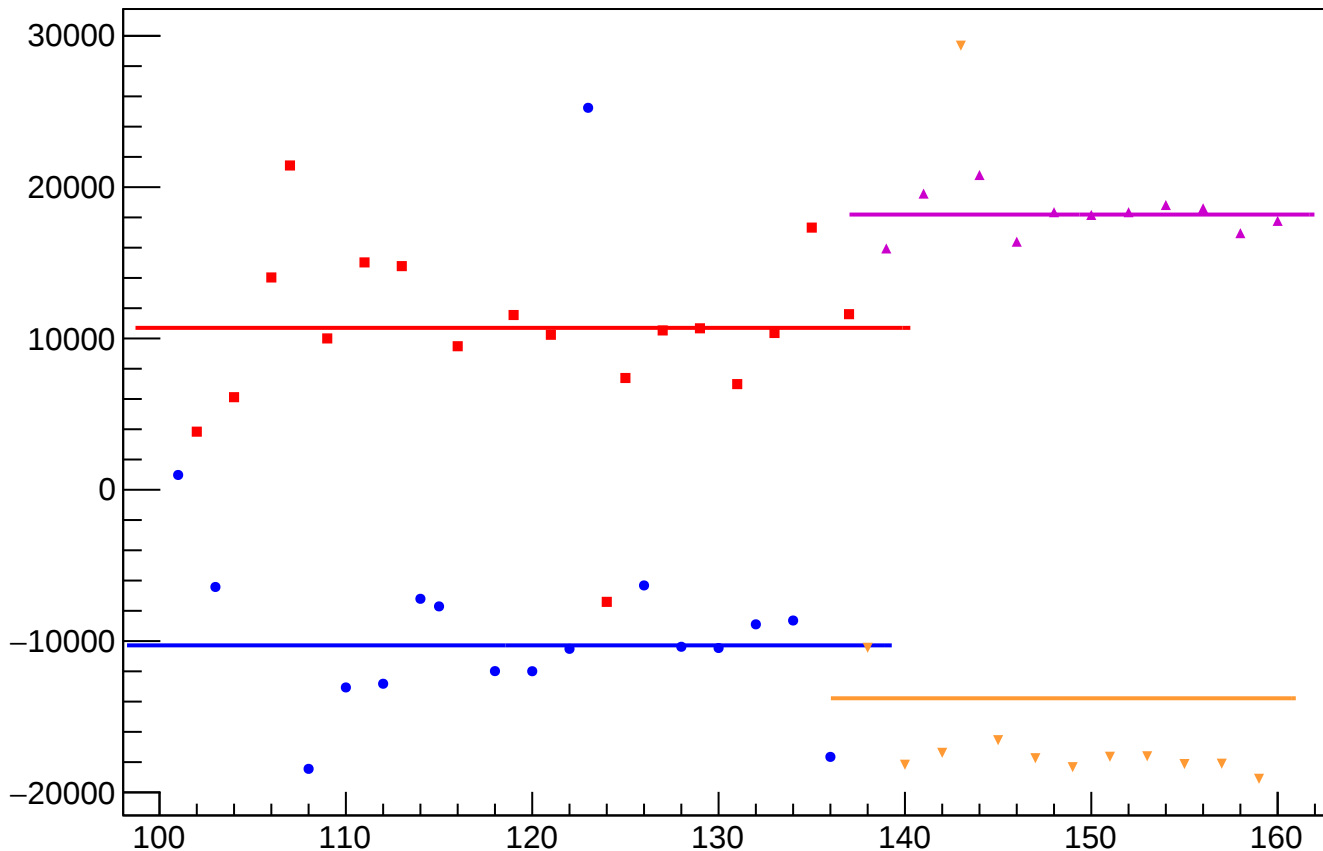
χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514
 Right: -31.639+/-0.000 χ^2/NDF : 156759750862946
 In: -273.986+/-0.000 χ^2/NDF : 2083200596416121
 Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014
 All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_atl1_coil1_mean vs Slug, Sign Corrected



Right In: -10283.660 +/- 0.000

χ^2/NDF : 22542685724167344155071704935611221671936.0/16

Left Out: -13780.875 +/- 0.000

χ^2/NDF : 138817330584648681822484556617162256547840.0/11

Right Out: 10700.860 +/- 0.000

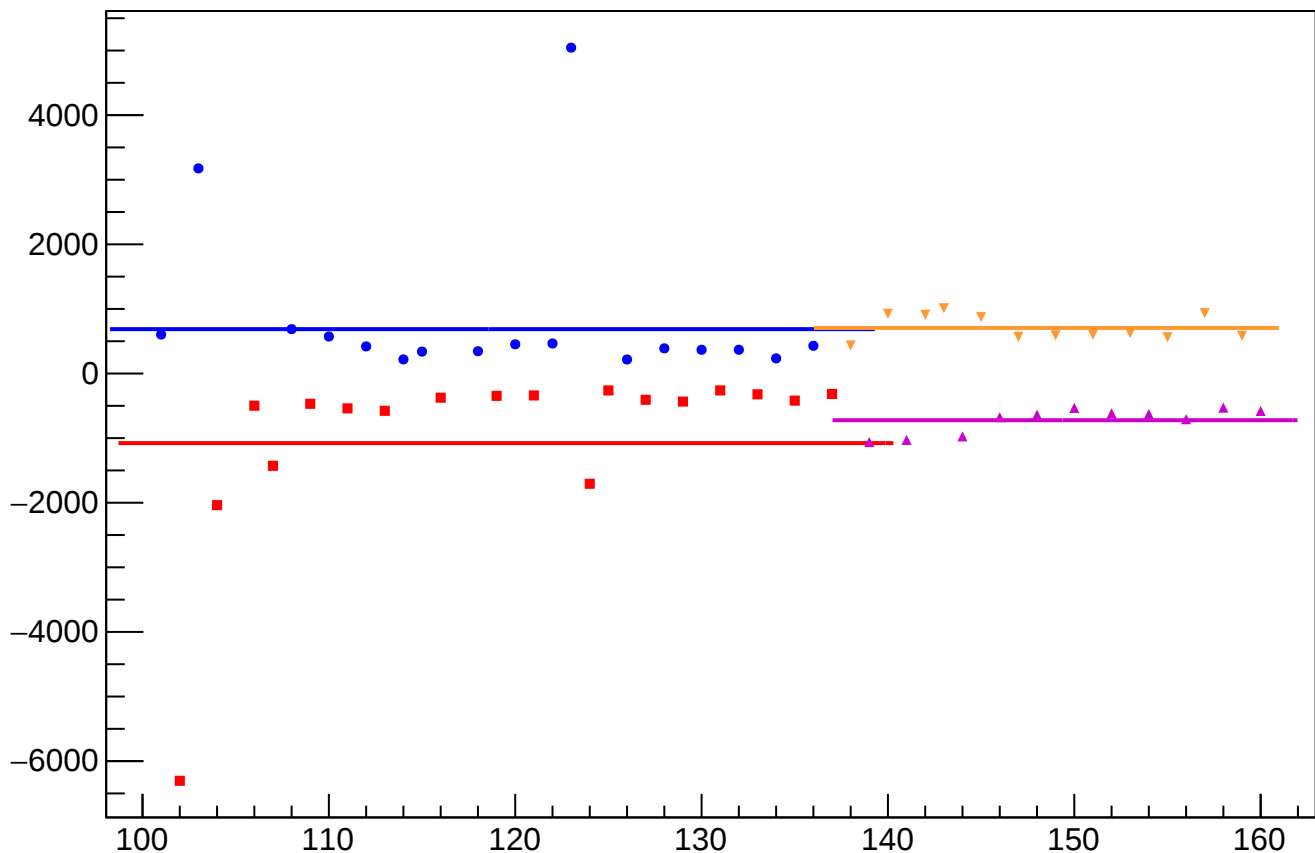
χ^2/NDF : 17608009820774086602629870631925827239936.0/17

Left In: 18189.629 +/- 0.000

χ^2/NDF : 1634139917822330923820252034017137786880.0/10

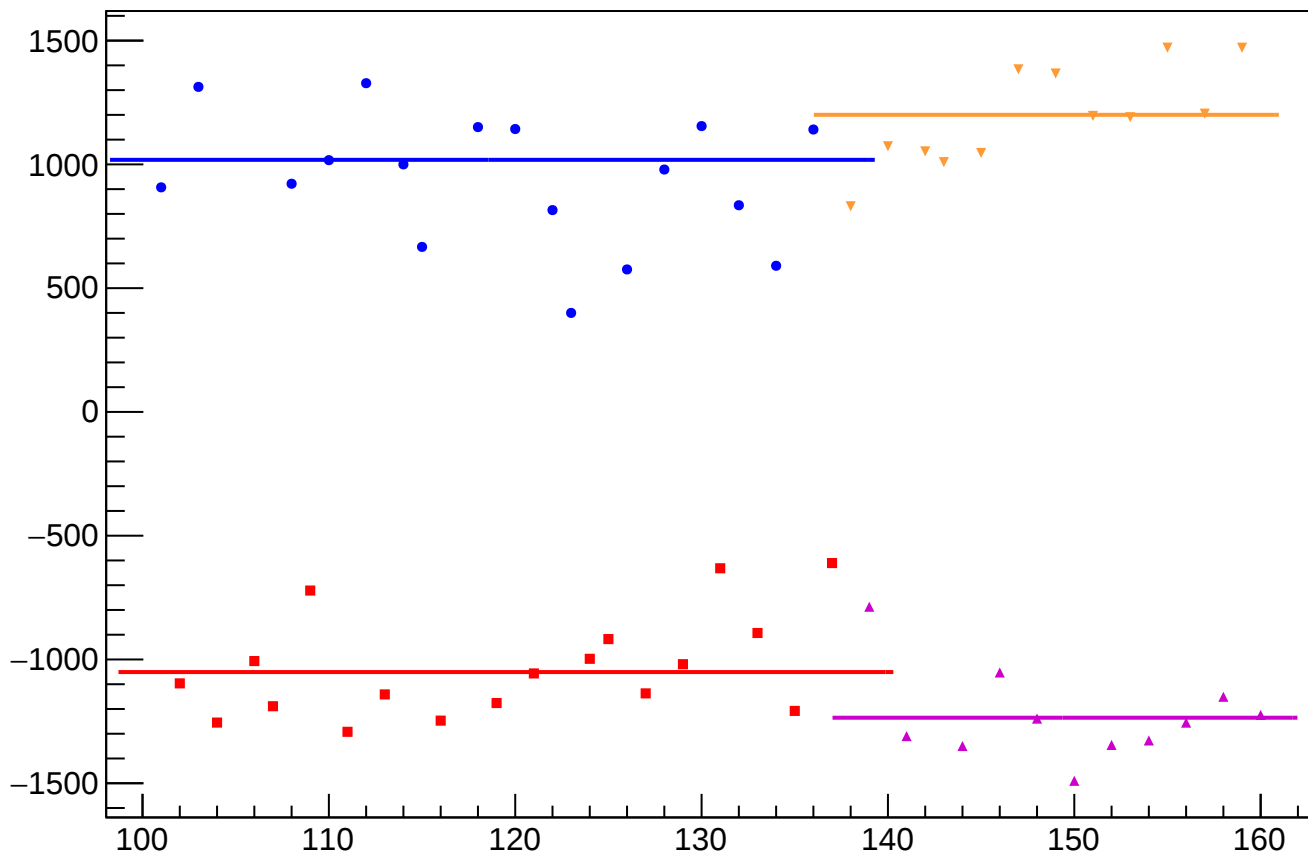
All: 1525.181 +/- 0.000 χ^2/NDF : 80963160115

dit_atl1_coil1_err_mean vs Slug, Sign Corrected



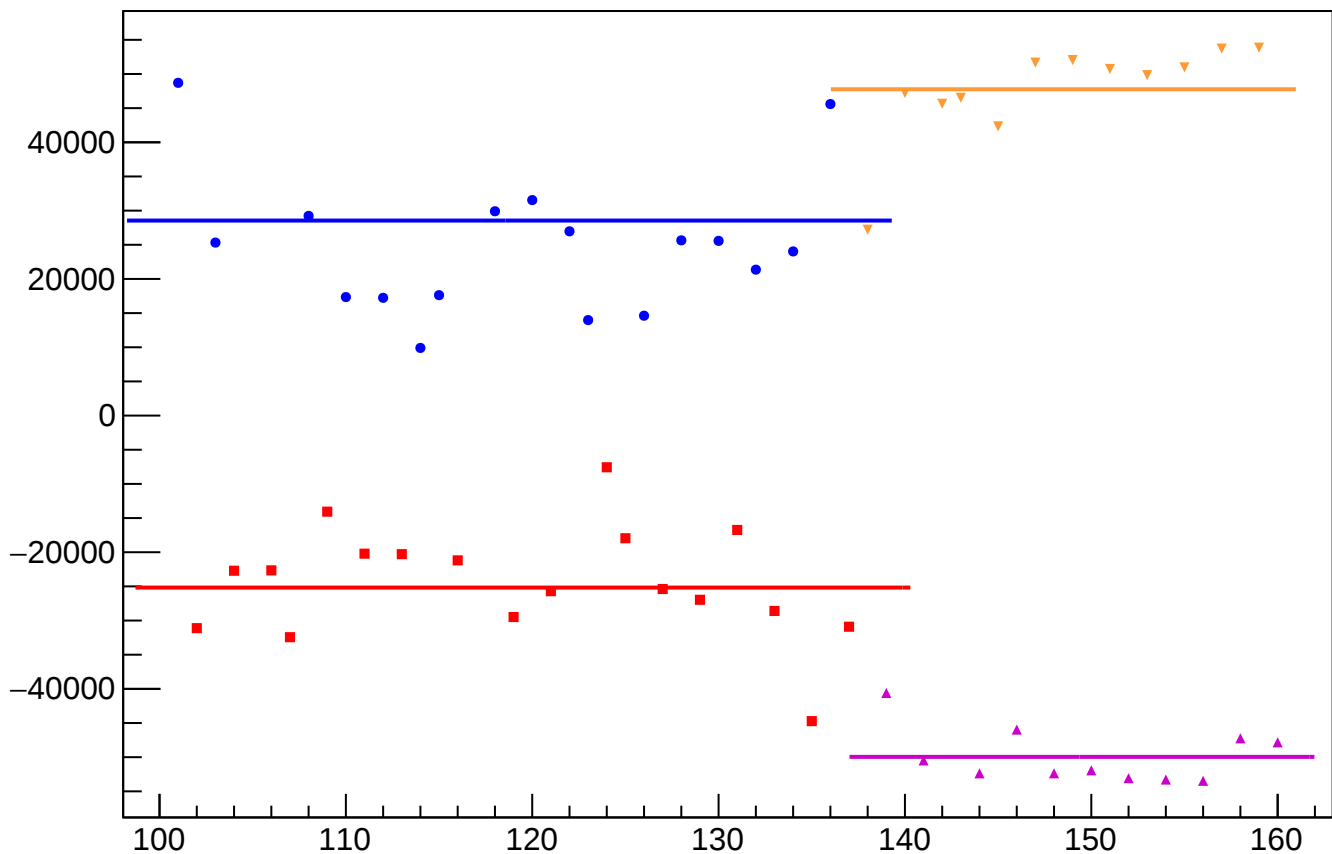
Left: -17.955+/-0.000 χ^2/NDF : 1003790614261343
 Right In: 686.989+/-0.000 χ^2/NDF : 493304193623954738914781428530632720384.0/16
 Right: -208.103+/-0.000 χ^2/NDF : 34871533340900
 Left Out: 705.686+/-0.000 χ^2/NDF : 30616664019236375652772902235296235520.0/11
 In: -121.555+/-0.000 χ^2/NDF : 1317892866614971
 Right Out: -1076.905+/-0.000 χ^2/NDF : 1898129082549914246384223466564869947392.0/17
 Out: -79.137+/-0.000 χ^2/NDF : 3200453454519733
 Left In: -722.981+/-0.000 χ^2/NDF : 33412765649158577967580020065397899264.0/10
 All: -100.366+/-0.000 χ^2/NDF : 45198086935

dit_atl1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000 χ^2/NDF : 32778661856751386998435413517146259456.0/16
 Left Out: 1200.293+/-0.000 χ^2/NDF : 34024831893478856274932660157533913088.0/11
 Right Out: -1050.842+/-0.000 χ^2/NDF : 26898078099677260392287731084448235520.0/17
 Left In: -1235.313+/-0.000 χ^2/NDF : 29022677529286996275047766841758842880.0/10
 All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_atl2_coil1_mean vs Slug, Sign Corrected



Right In: 28545.088+/-0.000

χ^2/NDF : 79305503092498524397532941064889916456960.0/16

Left Out: 47763.203+/-0.000

χ^2/NDF : 45759984204233972463295715243734259990528.0/11

Right Out: -25173.072+/-0.000

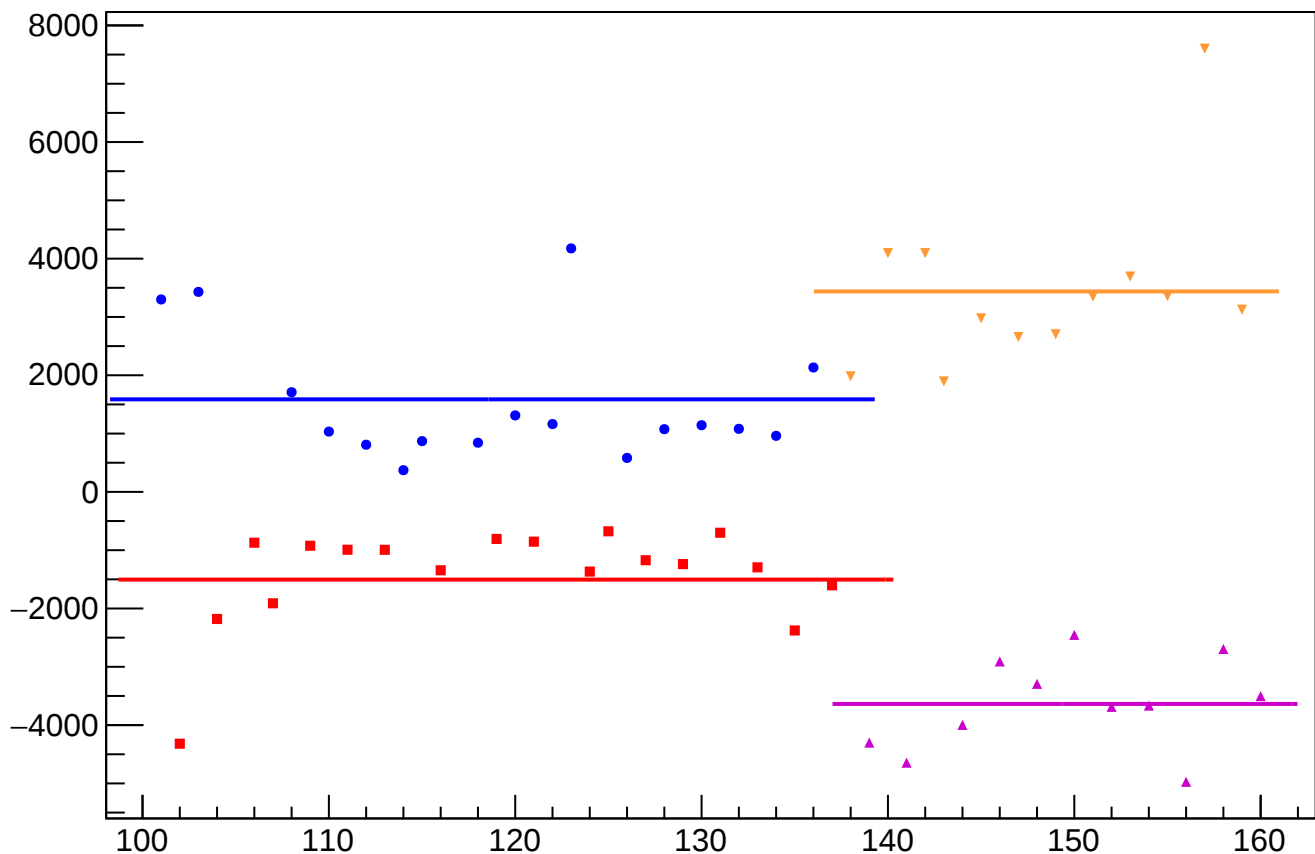
χ^2/NDF : 42747079455180569490134671830323044548608.0/17

Left In: -49953.612+/-0.000

χ^2/NDF : 13577033864383990821014727544731703705600.0/10

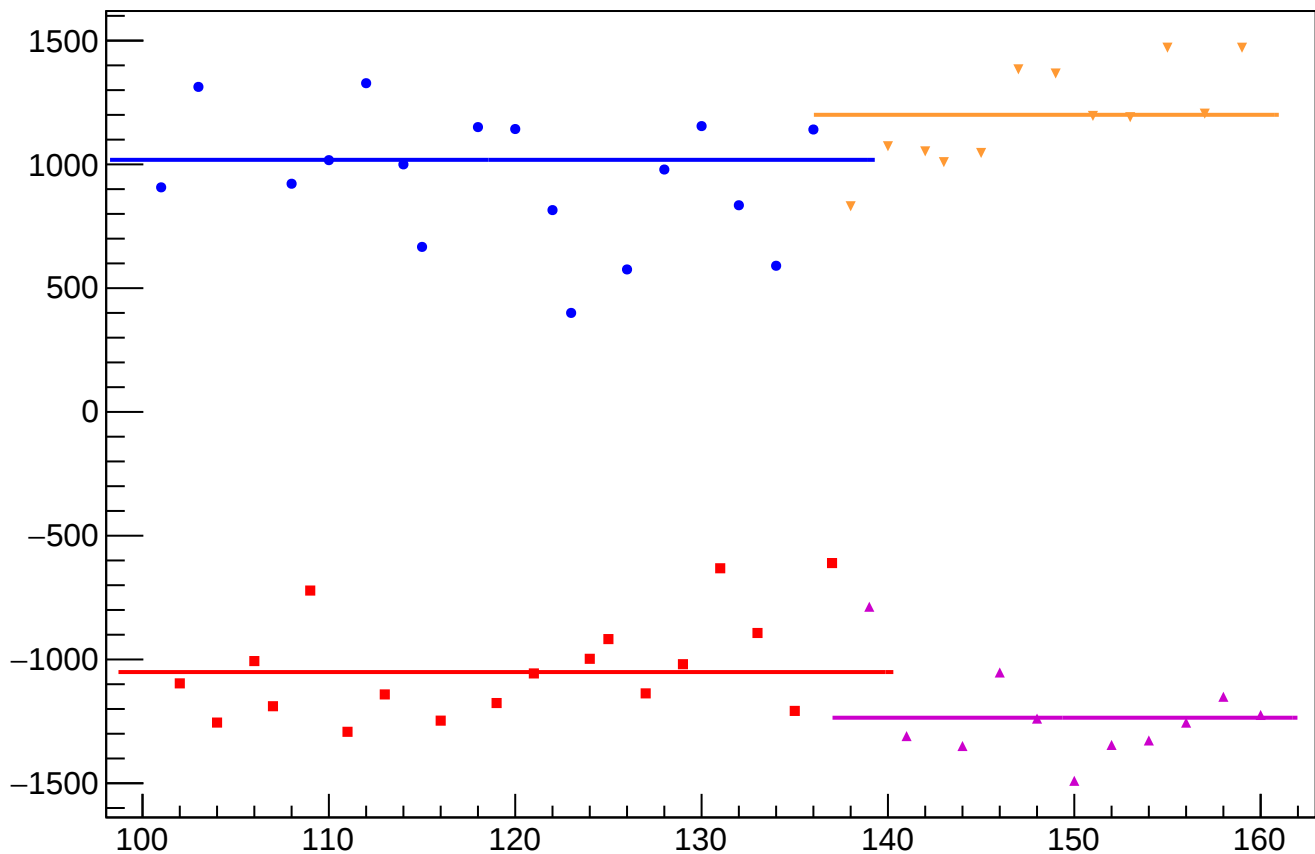
All: -424.000+/-0.000 χ^2/NDF : 56012725054

dit_atl2_coil1_err_mean vs Slug, Sign Corrected



Right In: 1587.187+/-0.000	χ^2/NDF : 615324434940076903003531567179686215680.0/16	Left: -145.694+/-0.000	χ^2/NDF : 253635803945185
Left Out: 3437.732+/-0.000	χ^2/NDF : 1787367668595754289869839739980022284288.0/11	Right: 18.441+/-0.000	χ^2/NDF : 4659752157660291
Right Out: -1504.230+/-0.000	χ^2/NDF : 678771439829187339393474850676239499264.0/17	In: -1408.580+/-0.000	χ^2/NDF : 120082448567646
Left In: -3636.942+/-0.000	χ^2/NDF : 531629510499304026743248594251812962304.0/10	Out: 1261.930+/-0.000	χ^2/NDF : 122403739076530
	All: -74.557+/-0.000	χ^2/NDF : 300448399053	

dit_atl2_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000

χ^2/NDF : 32778661856751386998435413517146259456.0/16

Left Out: 1200.293+/-0.000

χ^2/NDF : 34024831893478856274932660157533913088.0/11

Right Out: -1050.842+/-0.000

χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514

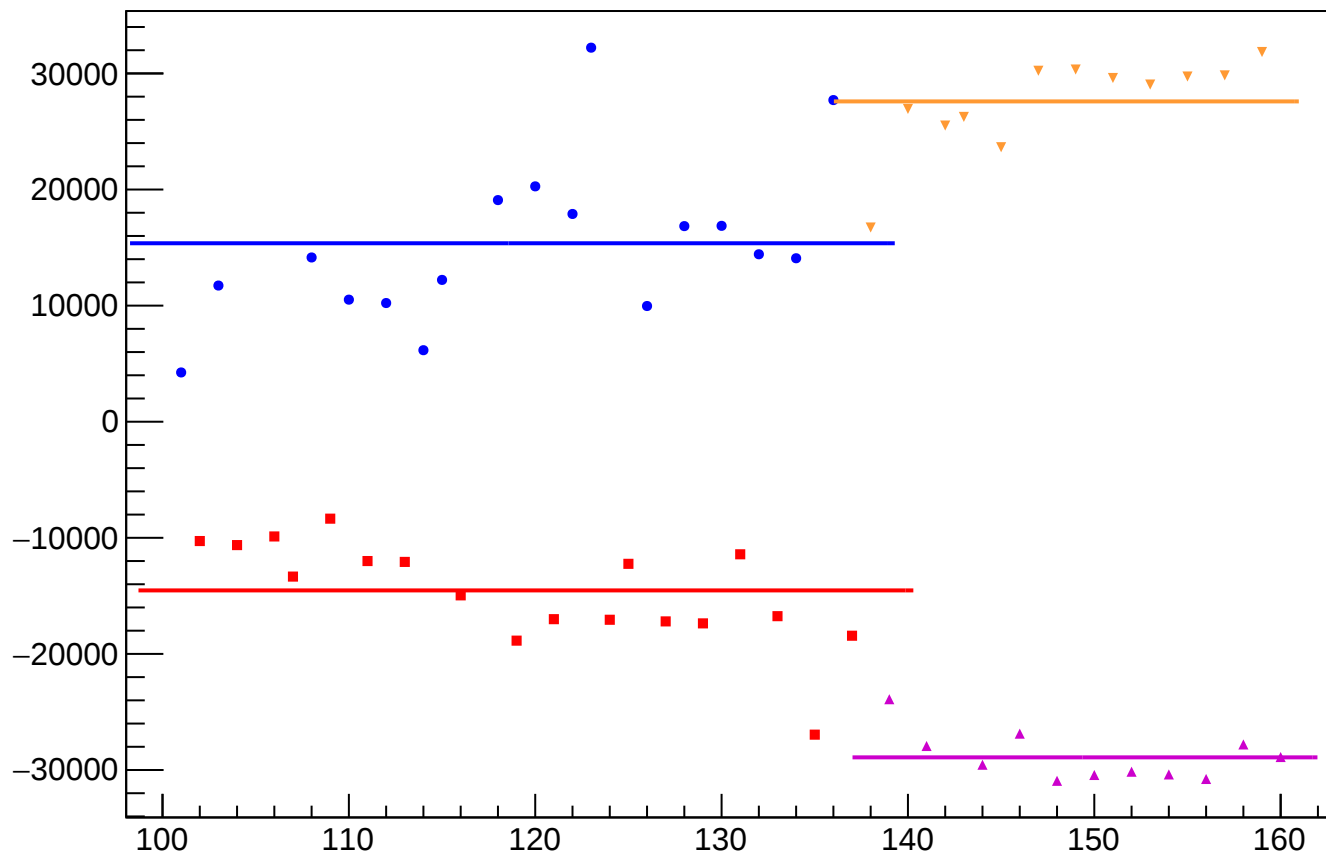
Right: -31.639+/-0.000 χ^2/NDF : 156759750862946

In: -273.986+/-0.000 χ^2/NDF : 2083200596416121

Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014

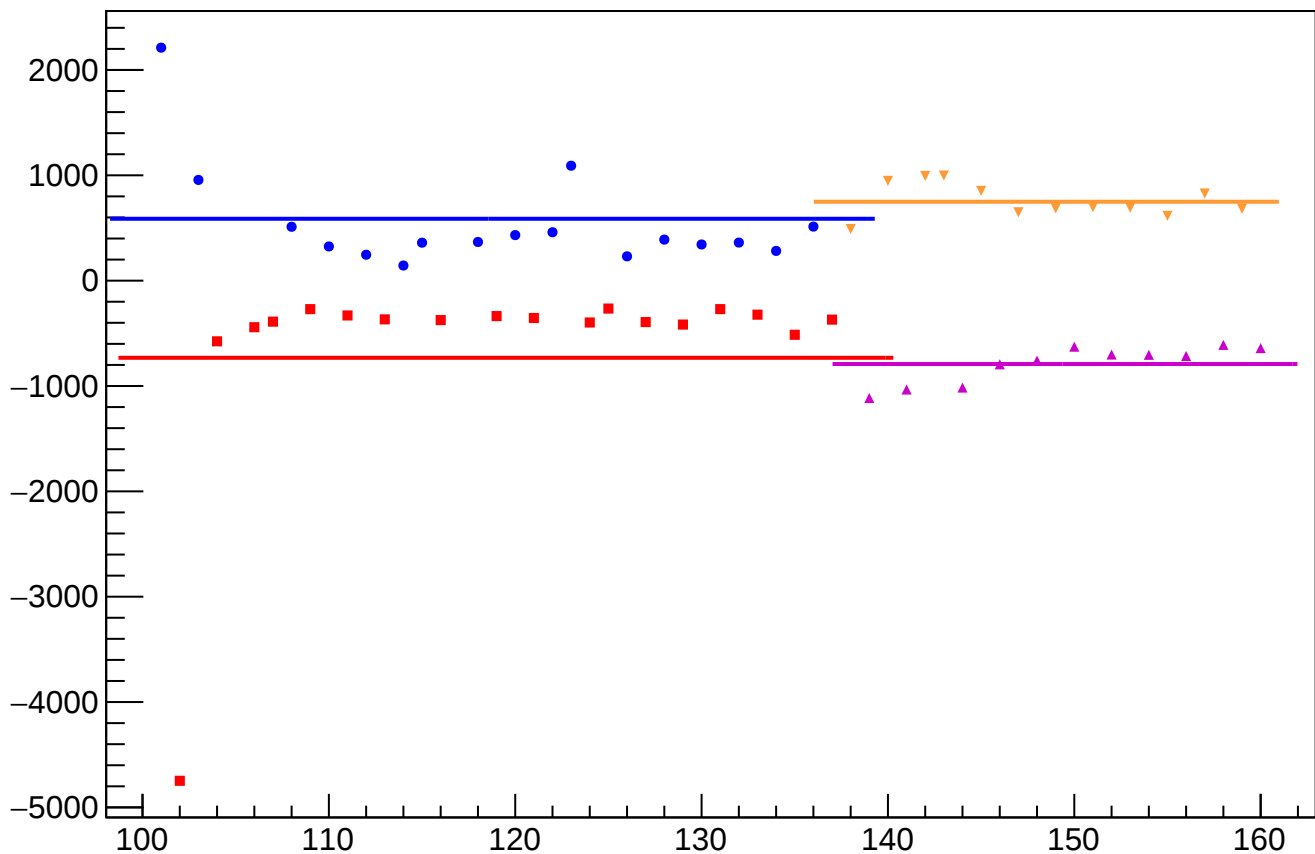
All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_atr1_coil1_mean vs Slug, Sign Corrected



Right In: 15371.957+/-0.000 χ^2/NDF : 29284474571084462407736251938608521412608.0/16
 Left Out: 27590.549+/-0.000 χ^2/NDF : 14629897493361033715378591637422508867584.0/11
 Right Out: -14530.553+/-0.000 χ^2/NDF : 15462988113686651104588076983529515253760.0/17
 Left In: -28911.407+/-0.000 χ^2/NDF : 3750623516154684604168342640620271042560.0/10
 All: -496.998+/-0.000 χ^2/NDF : 18491099941

dit_atr1_coil1_err_mean vs Slug, Sign Corrected



Right In: 587.577+/-0.000

χ^2/NDF : 195107984512310448986091727250308202496.0/16

Left Out: 749.082+/-0.000

χ^2/NDF : 19986493434775093751754489968960995328.0/11

Right Out: -732.166+/-0.000

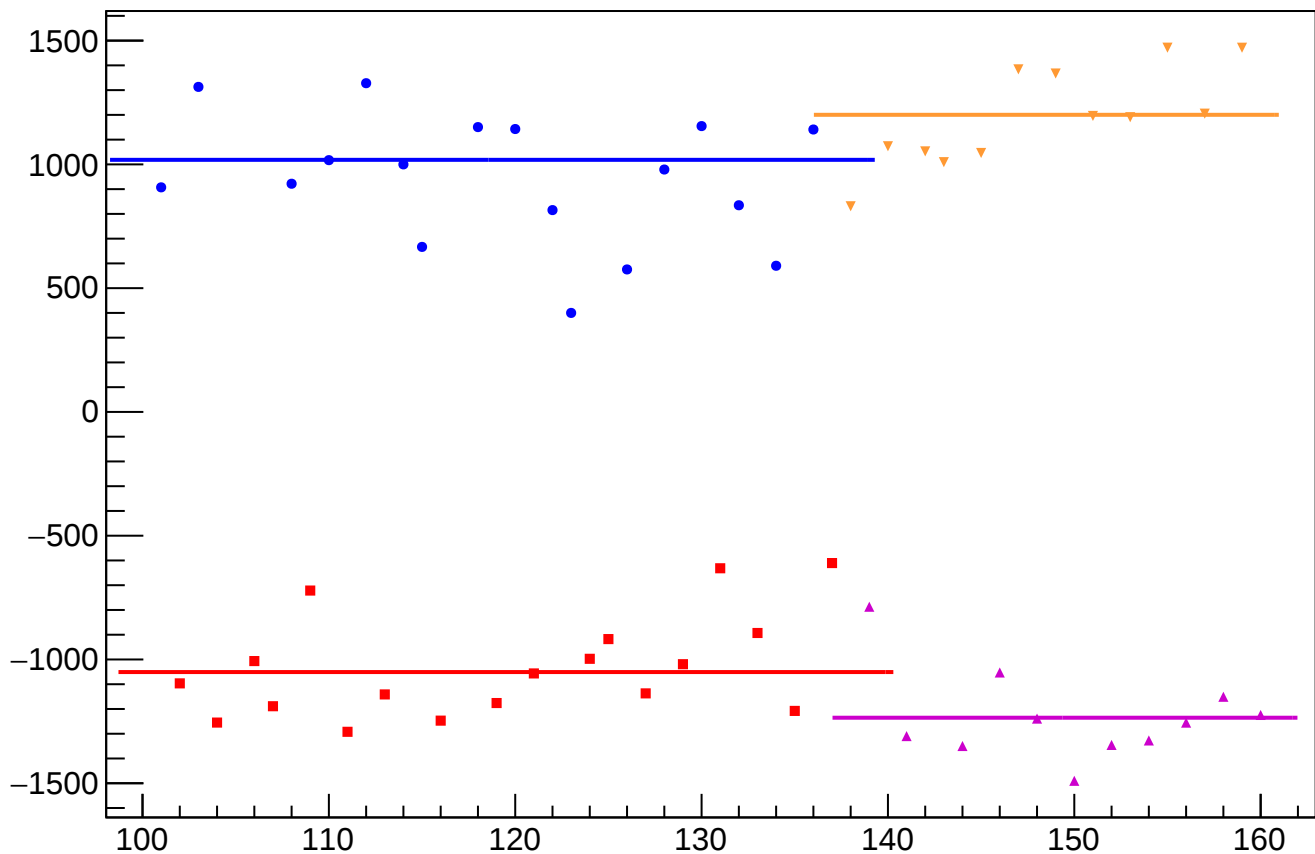
χ^2/NDF : 1022613131551712750449458449642369843200.0/17

Left In: -791.279+/-0.000

χ^2/NDF : 26822559207642096711518423492795039744.0/10

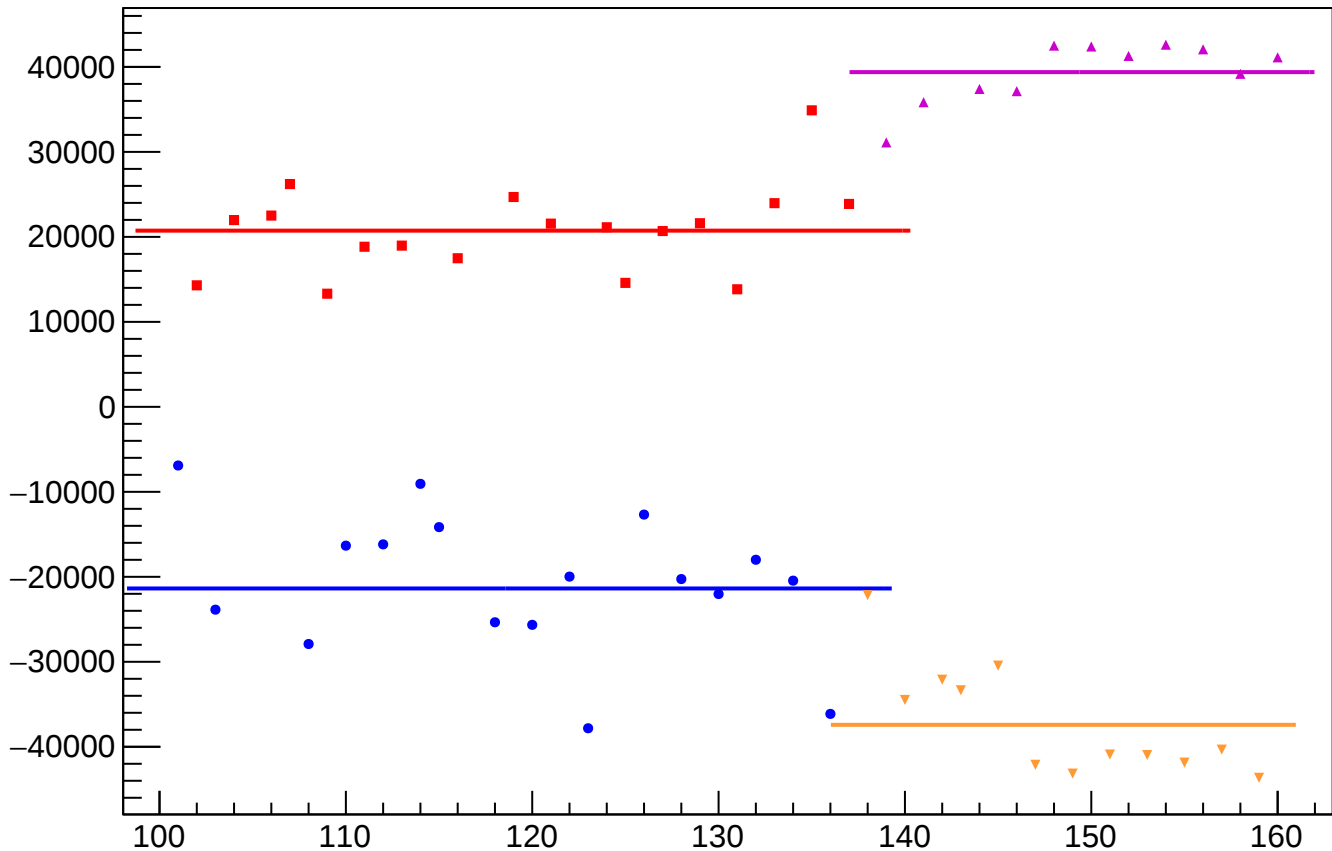
All: -53.235+/-0.000 χ^2/NDF : 297244099785

dit_atr1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000 χ^2/NDF : 32778661856751386998435413517146259456.0/16
 Left Out: 1200.293+/-0.000 χ^2/NDF : 34024831893478856274932660157533913088.0/11
 Right Out: -1050.842+/-0.000 χ^2/NDF : 26898078099677260392287731084448235520.0/17
 Left In: -1235.313+/-0.000 χ^2/NDF : 29022677529286996275047766841758842880.0/10
 All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_atr2_coil1_mean vs Slug, Sign Corrected



Right In: -21370.339+/-0.000

Left Out: -37415.440+/-0.000

Right Out: 20735.001+/-0.000

Left In: 39386.944+/-0.000

χ^2/NDF : 44476087148423218769698830448172004802560.0/16

χ^2/NDF : 36893164654983701349381151569495382294528.0/11

χ^2/NDF : 21267884844776863671050573800564620001280.0/17

χ^2/NDF : 11090931788233525208634627212015308898304.0/10

Left: 1486.093+/-0.000 χ^2/NDF : 276383113141512

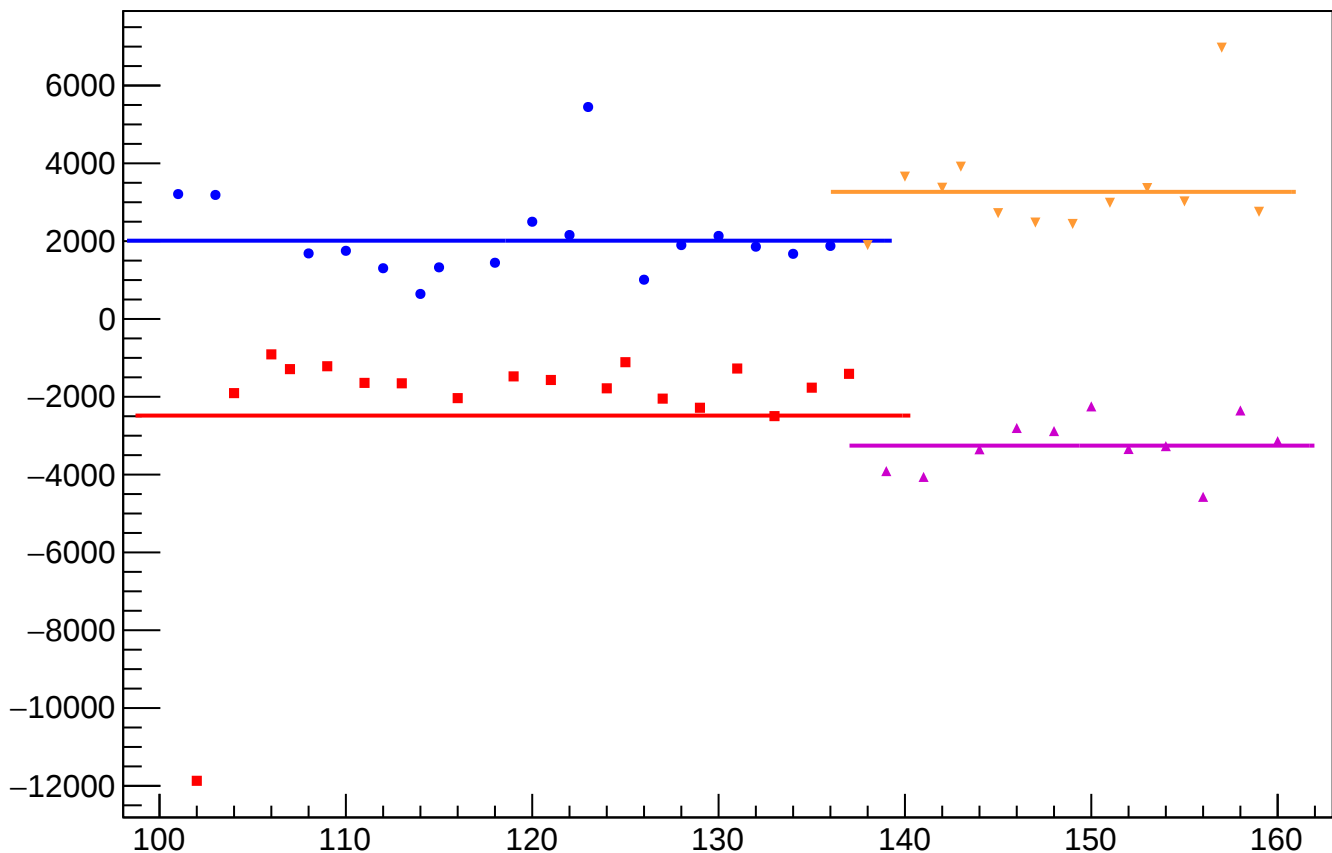
Right: -3.896+/-0.000 χ^2/NDF : 6900950472840911

In: 13470.807+/-0.000 χ^2/NDF : 152466323892427

Out: -11813.491+/-0.000 χ^2/NDF : 1411448108237

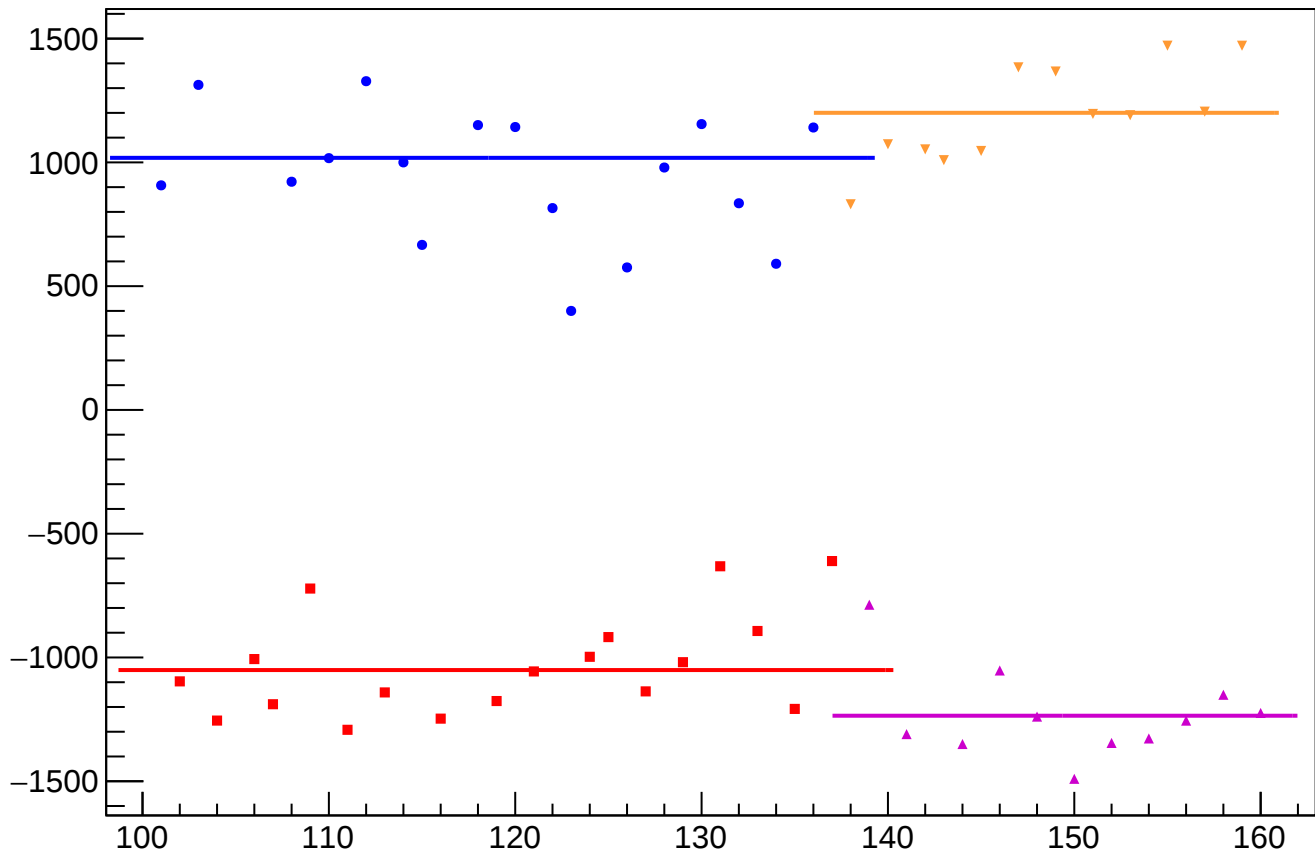
All: 840.324+/-0.000 χ^2/NDF : 345569852964

dit_atr2_coil1_err_mean vs Slug, Sign Corrected



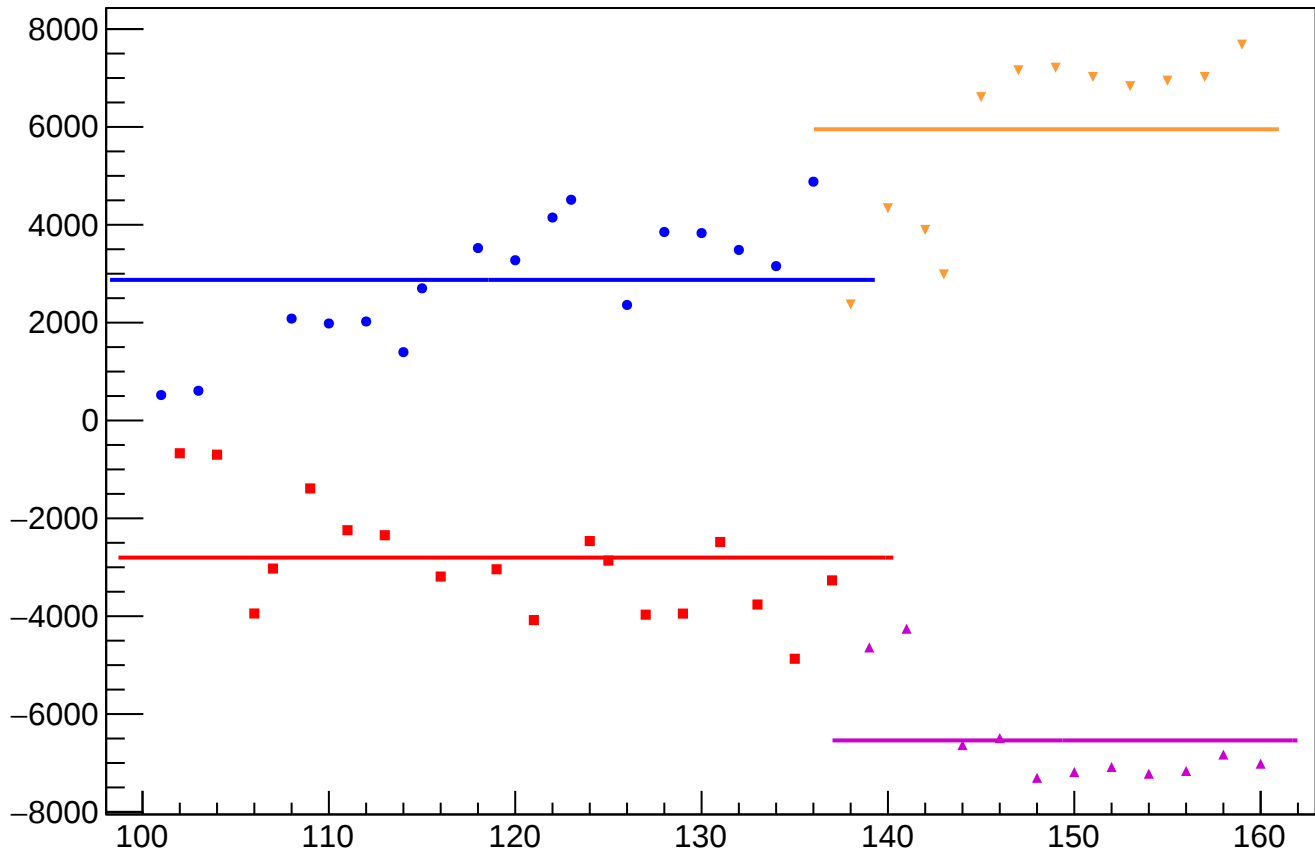
Right In: 2011.970+/-0.000 χ^2/NDF : 346652592308673178727003456260959895552.0/16
 Left Out: 3267.187+/-0.000 χ^2/NDF : 1365364759229998432134037030614341779456.0/11
 Right Out: -2482.921+/-0.000 χ^2/NDF : 5673812113008855047349052904680066121728.0/17
 Left In: -3255.280+/-0.000 χ^2/NDF : 418327011986445588651238941523934445568.0/10
 All: -137.276+/-0.000 χ^2/NDF : 34550109983

dit_atr2_coil1_Ndata_mean vs Slug, Sign Corrected



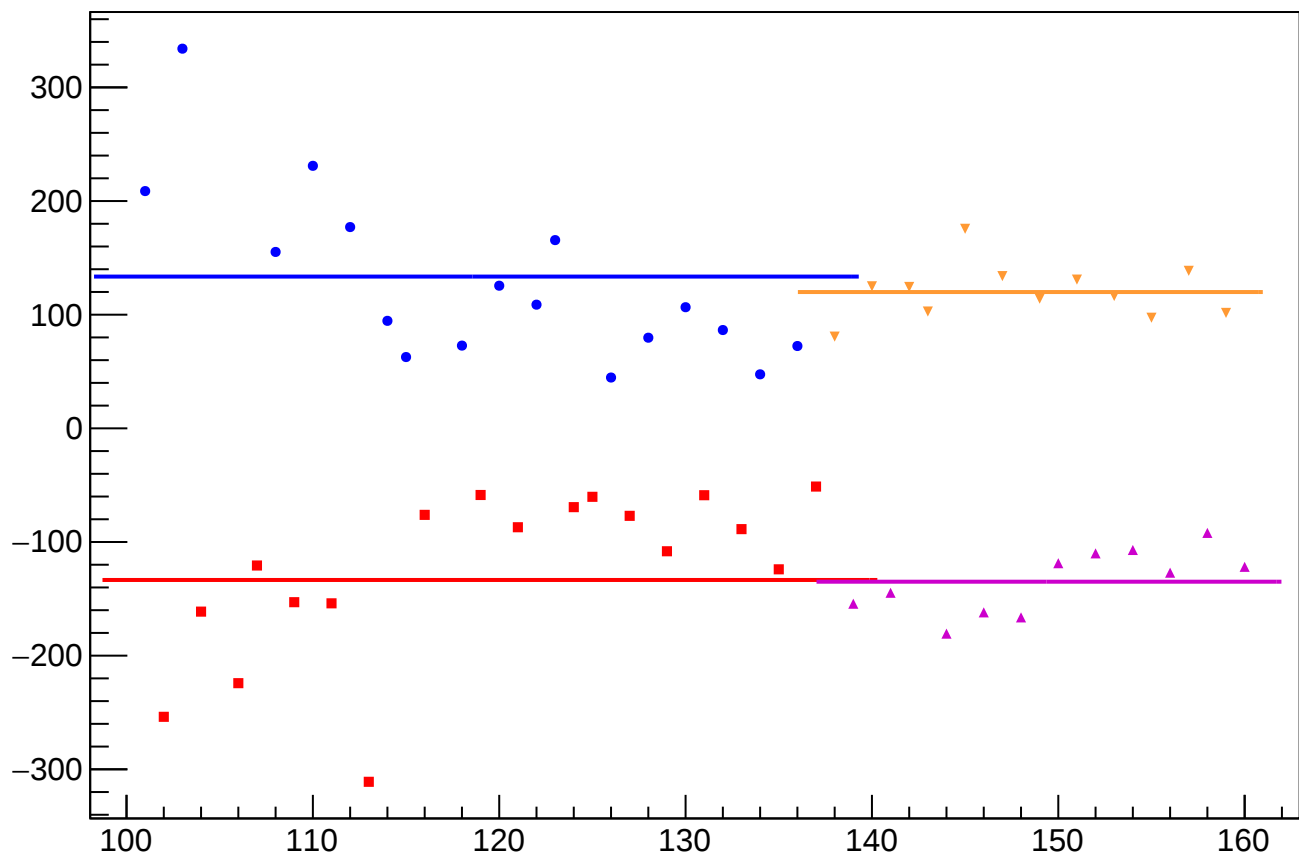
Right In: 1018.403+/-0.000 χ^2/NDF : 32778661856751386998435413517146259456.0/16
 Left Out: 1200.293+/-0.000 χ^2/NDF : 34024831893478856274932660157533913088.0/11
 Right Out: -1050.842+/-0.000 χ^2/NDF : 26898078099677260392287731084448235520.0/17
 Left In: -1235.313+/-0.000 χ^2/NDF : 29022677529286996275047766841758842880.0/10
 All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_sam1_coil1_mean vs Slug, Sign Corrected



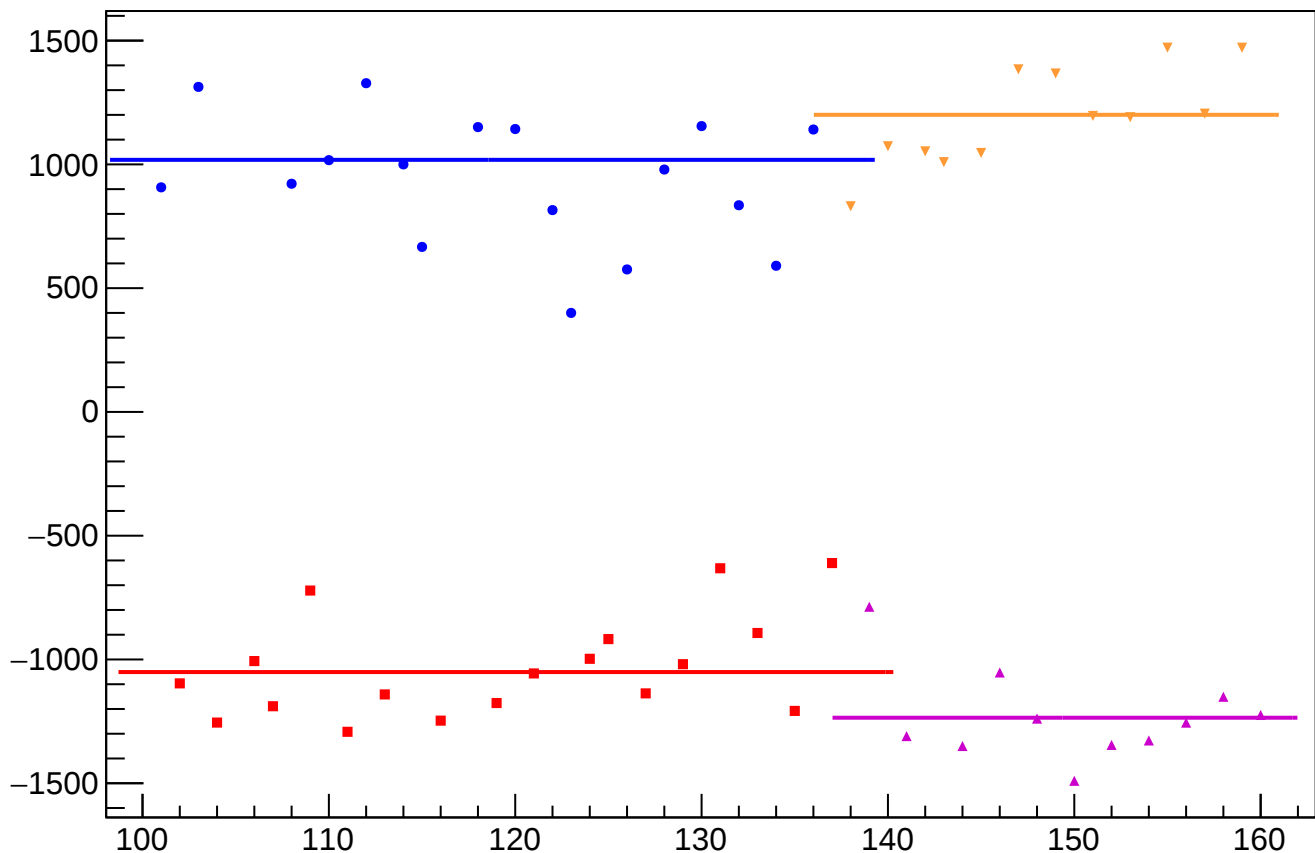
Right In: 2874.142 $\pm$ 0.000 χ^2 /NDF: 1331222919424099285024540359740568371200.0/16
 Left Out: 5952.071 $\pm$ 0.000 χ^2 /NDF: 2833818943109615822191848442455285301248.0/11
 Right Out: -2802.151 $\pm$ 0.000 χ^2 /NDF: 1095477572477657195402092119674444578816.0/17
 Left In: -6539.067 $\pm$ 0.000 χ^2 /NDF: 947421211454184627704546632992611631104.0/10
 All: -215.134 $\pm$ 0.000 χ^2 /NDF: 89502411249

dit_sam1_coil1_err_mean vs Slug, Sign Corrected



Right In: 133.542 $\pm$ 0.000 χ^2 /NDF: 4543635536863363524362136904007680000.0/16
 Left Out: 119.938 $\pm$ 0.000 χ^2 /NDF: 506287177502147090737971040893272064.0/11
 Right Out: -133.414 $\pm$ 0.000 χ^2 /NDF: 3923674220000100911612282920536899584.0/17
 Left In: -134.936 $\pm$ 0.000 χ^2 /NDF: 683742897306443646966443406983692288.0/10
 All: -6.024 $\pm$ 0.000 χ^2 /NDF: 6470622923911

dit_sam1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000

χ^2/NDF : 32778661856751386998435413517146259456.0/16

Left Out: 1200.293+/-0.000

χ^2/NDF : 34024831893478856274932660157533913088.0/11

Right Out: -1050.842+/-0.000

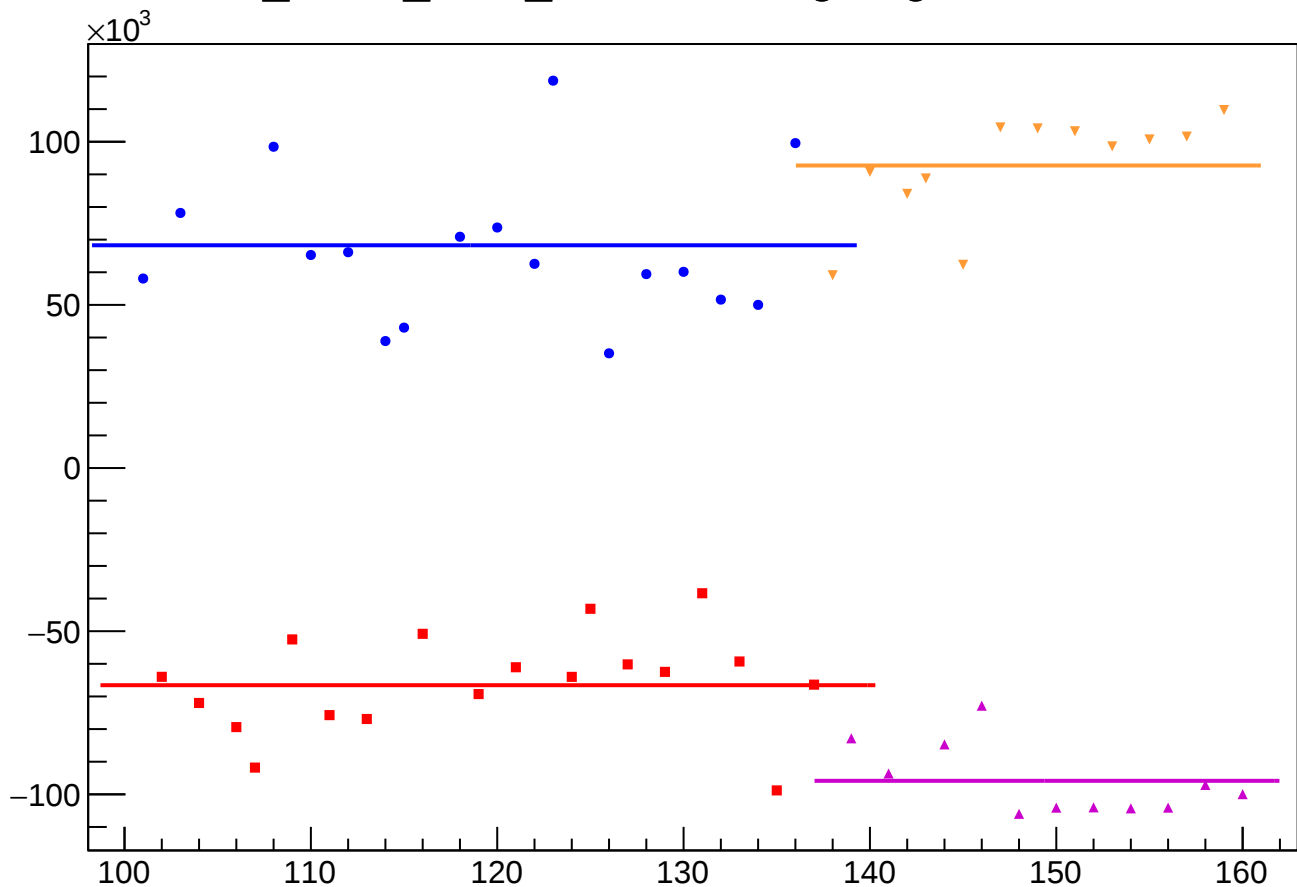
χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514
 Right: -31.639+/-0.000 χ^2/NDF : 156759750862946
 In: -273.986+/-0.000 χ^2/NDF : 2083200596416121
 Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014
 All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_sam2_coil1_mean vs Slug, Sign Corrected



Right In: 68271.144+/-0.000

χ^2/NDF : 235026660939690757848337831565145453625344.0/16

Left Out: 92717.908+/-0.000

χ^2/NDF : 232153760216632352324453742795605416083456.0/11

Right Out: -66552.333+/-0.000

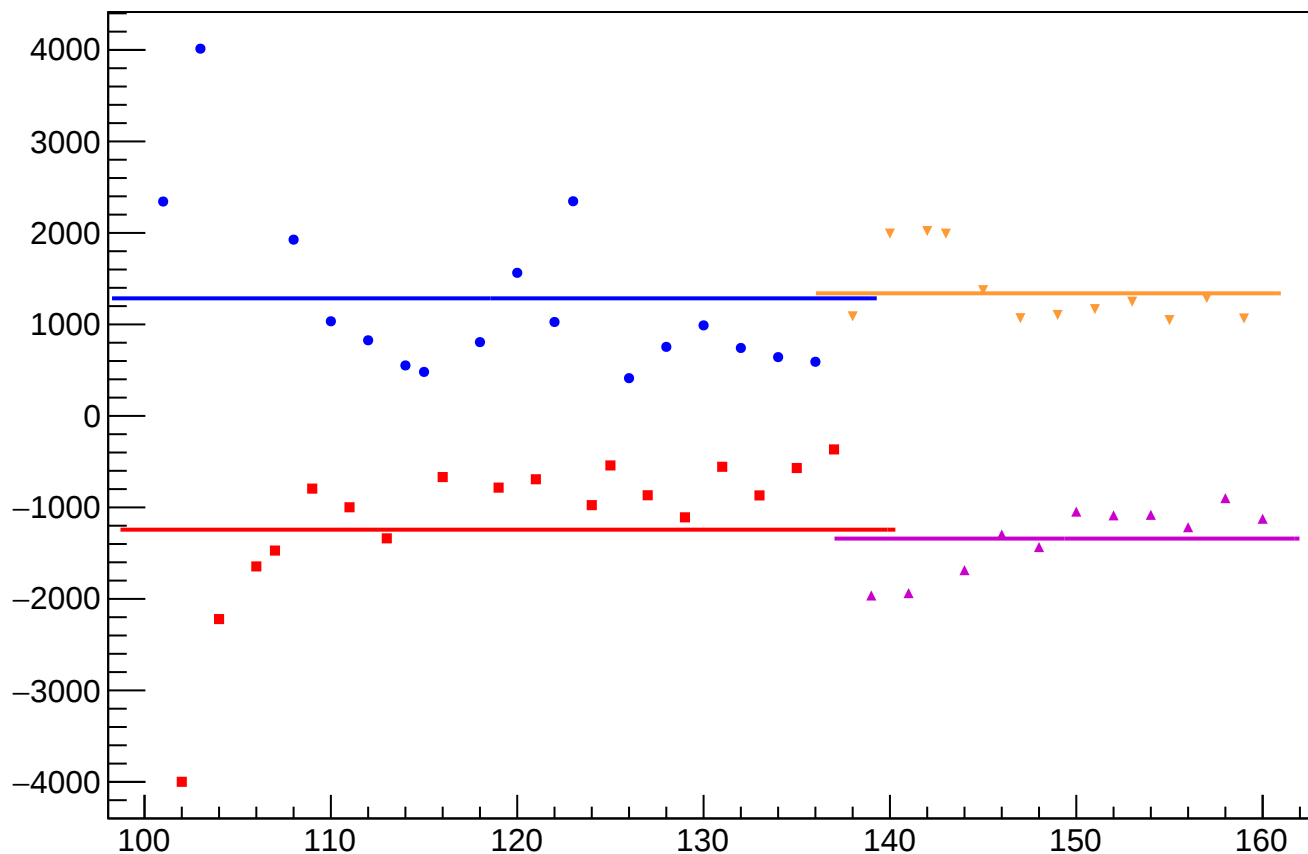
χ^2/NDF : 160169834970936771160063883899631076114432.0/17

Left In: -95856.790+/-0.000

χ^2/NDF : 102994954285402902924974022528111745171456.0/10

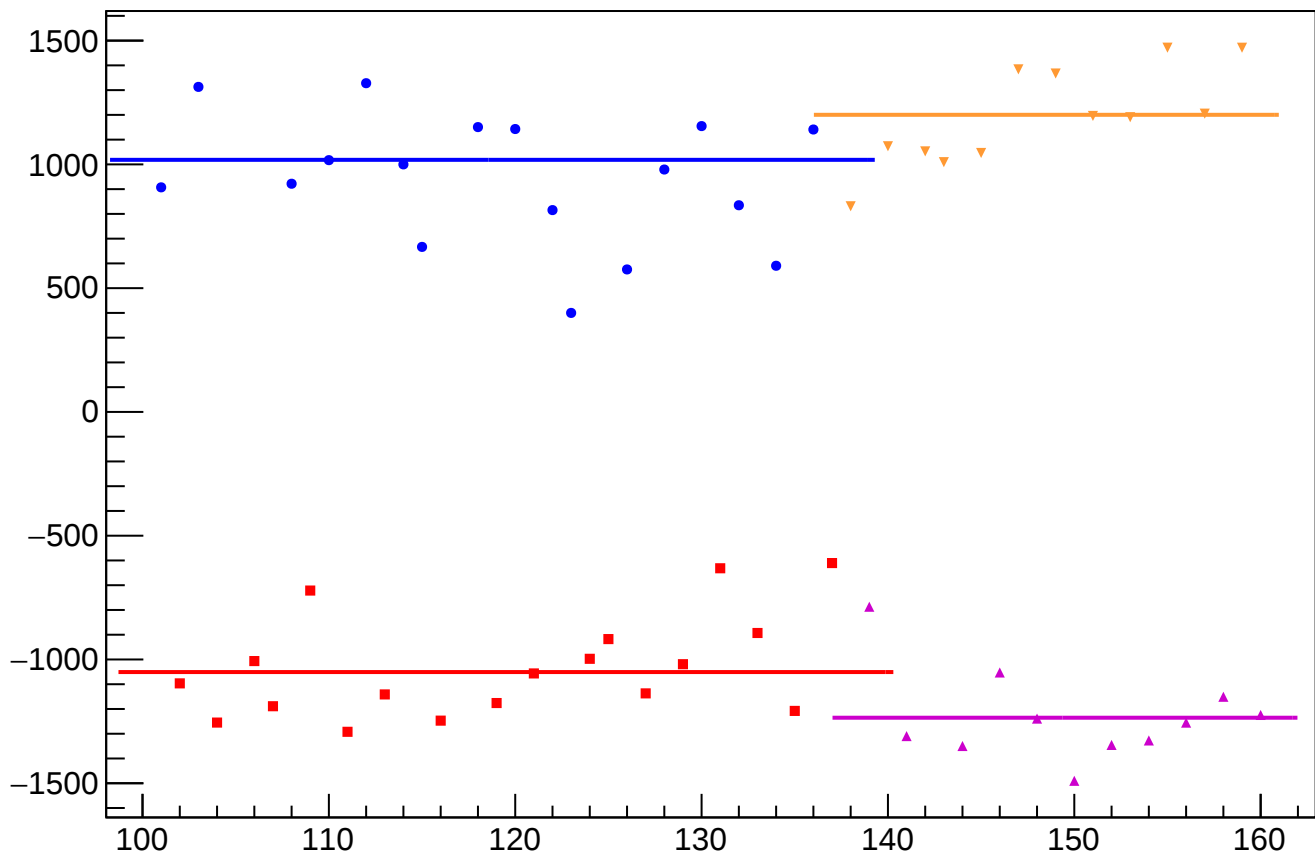
All: -1648.278+/-0.000 χ^2/NDF : 2351031089

dit_sam2_coil1_err_mean vs Slug, Sign Corrected



Right In: 1284.940+/-0.000 χ^2/NDF : 683539831030777721568567692799915327488.0/16
 Left Out: 1340.000+/-0.000 χ^2/NDF : 116326245376352875631706190484755972096.0/11
 Right Out: -1243.357+/-0.000 χ^2/NDF : 625737092307119238017872949095807582208.0/17
 Left In: -1340.697+/-0.000 χ^2/NDF : 113497084889581869864754089979493220352.0/10
 All: -9.247+/-0.000 χ^2/NDF : 7099247907487

dit_sam2_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000

χ^2/NDF : 32778661856751386998435413517146259456.0/16

Left Out: 1200.293+/-0.000

χ^2/NDF : 34024831893478856274932660157533913088.0/11

Right Out: -1050.842+/-0.000

χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514

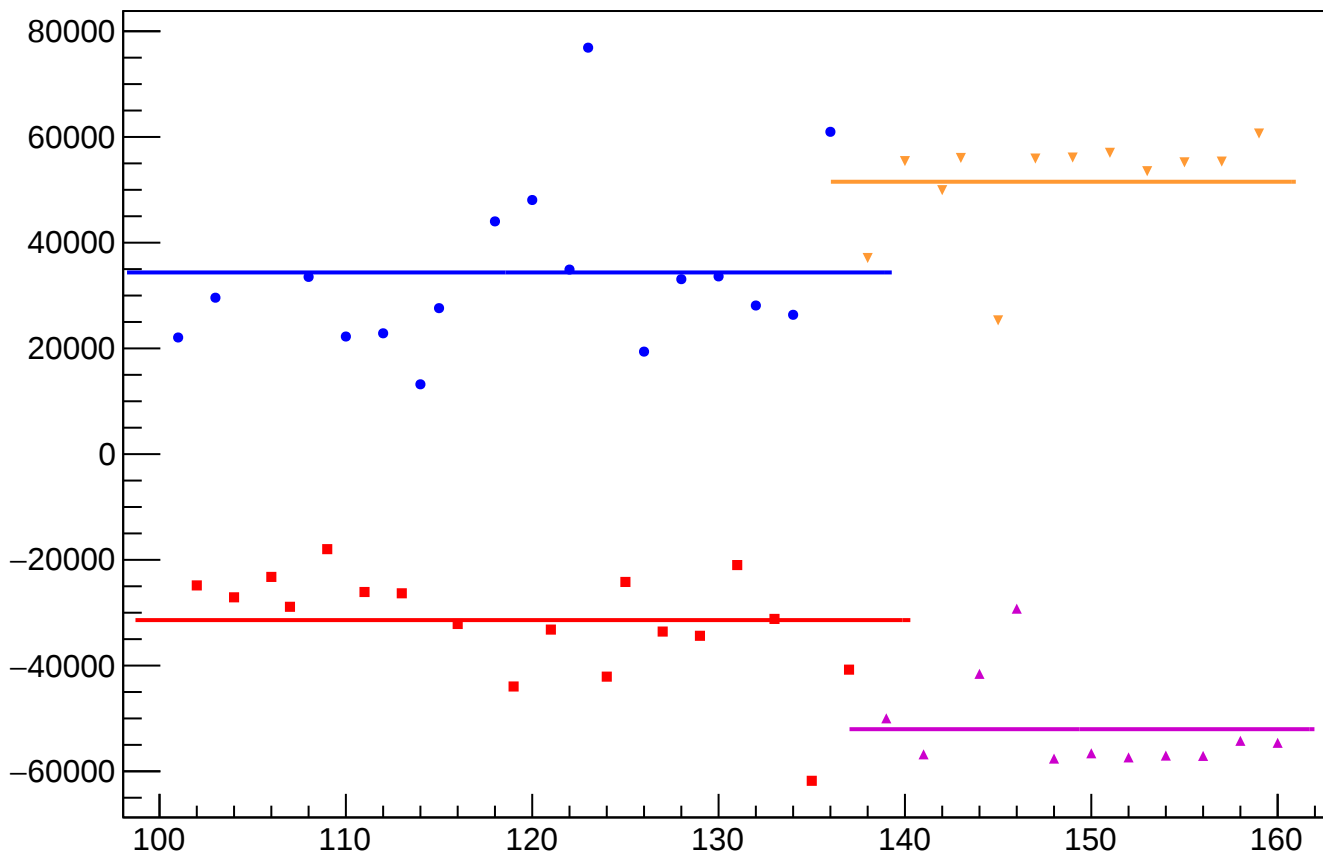
Right: -31.639+/-0.000 χ^2/NDF : 156759750862946

In: -273.986+/-0.000 χ^2/NDF : 2083200596416121

Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014

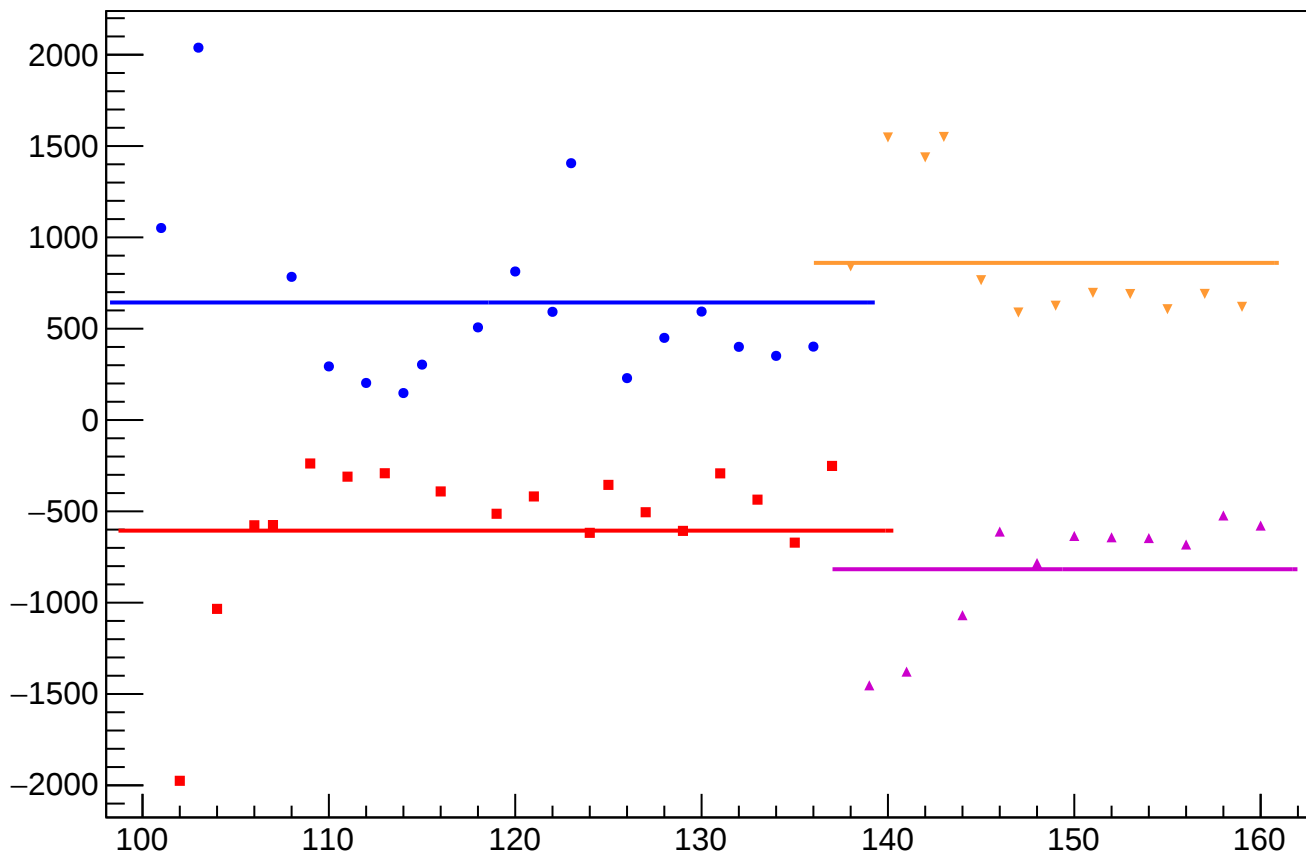
All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_sam3_coil1_mean vs Slug, Sign Corrected



Right In: 34369.403+/-0.000 χ^2/NDF : 121175034584498762854553117020903178240000.0/16
 Left Out: 51528.453+/-0.000 χ^2/NDF : 87309132481343179098596905129114857373696.0/11
 Right Out: -31397.869+/-0.000 χ^2/NDF : 79791187049723357576303825736183029170176.0/17
 Left In: -52033.522+/-0.000 χ^2/NDF : 67338083803269731476711249699025786503168.0/10
 All: -93.824+/-0.000 χ^2/NDF : 681988773925

dit_sam3_coil1_err_mean vs Slug, Sign Corrected



Right In: 643.513+/-0.000

χ^2/NDF : 166606755510131009794947888972916850688.0/16

Left Out: 860.333+/-0.000

χ^2/NDF : 113447619211020210726400023771184365568.0/11

Right Out: -605.599+/-0.000

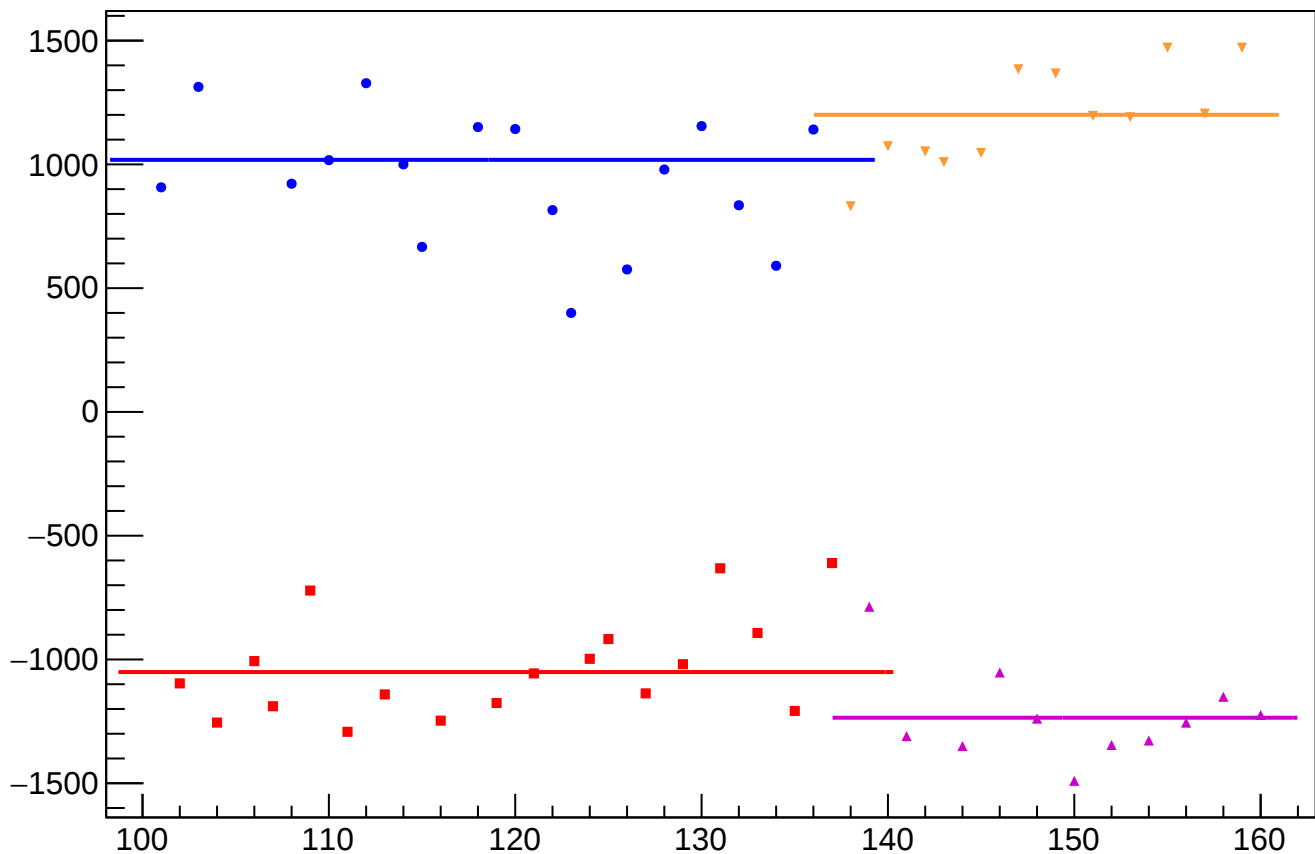
χ^2/NDF : 146641318103644748879900892058773094400.0/17

Left In: -816.958+/-0.000

χ^2/NDF : 90193686816714640570749106655187697664.0/10

Left: 10.761+/-0.000 χ^2/NDF : 14989490126768698.0/16
 Right: 9.648+/-0.000 χ^2/NDF : 86273516072958254.0/16
 In: -193.991+/-0.000 χ^2/NDF : 1105667142410364.0/16
 Out: 214.926+/-0.000 χ^2/NDF : 1120115601075459.0/16
 All: 10.279+/-0.000 χ^2/NDF : 2361685161076.0/16

dit_sam3_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000

χ^2/NDF : 32778661856751386998435413517146259456.0/16

Left Out: 1200.293+/-0.000

χ^2/NDF : 34024831893478856274932660157533913088.0/11

Right Out: -1050.842+/-0.000

χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514

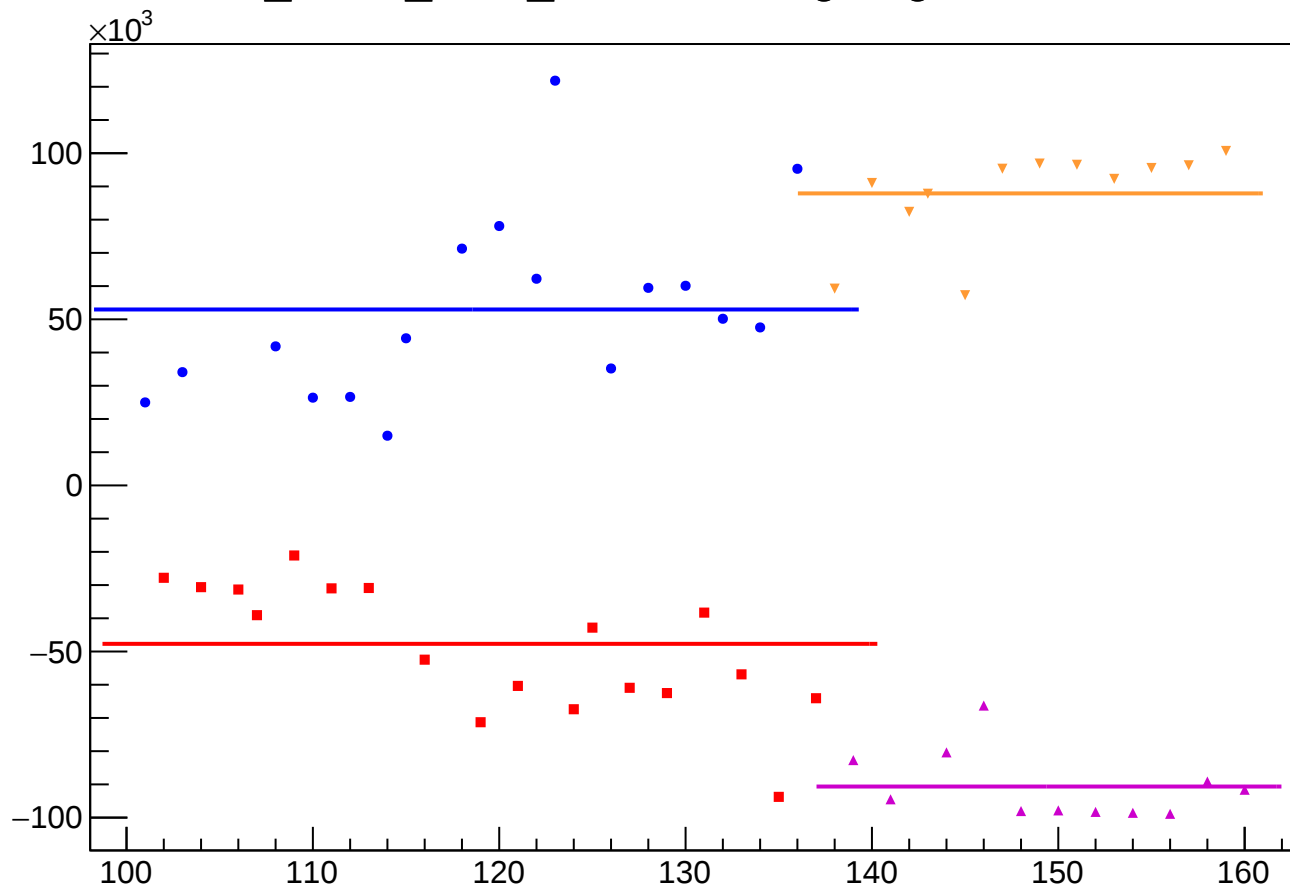
Right: -31.639+/-0.000 χ^2/NDF : 156759750862946

In: -273.986+/-0.000 χ^2/NDF : 2083200596416121

Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014

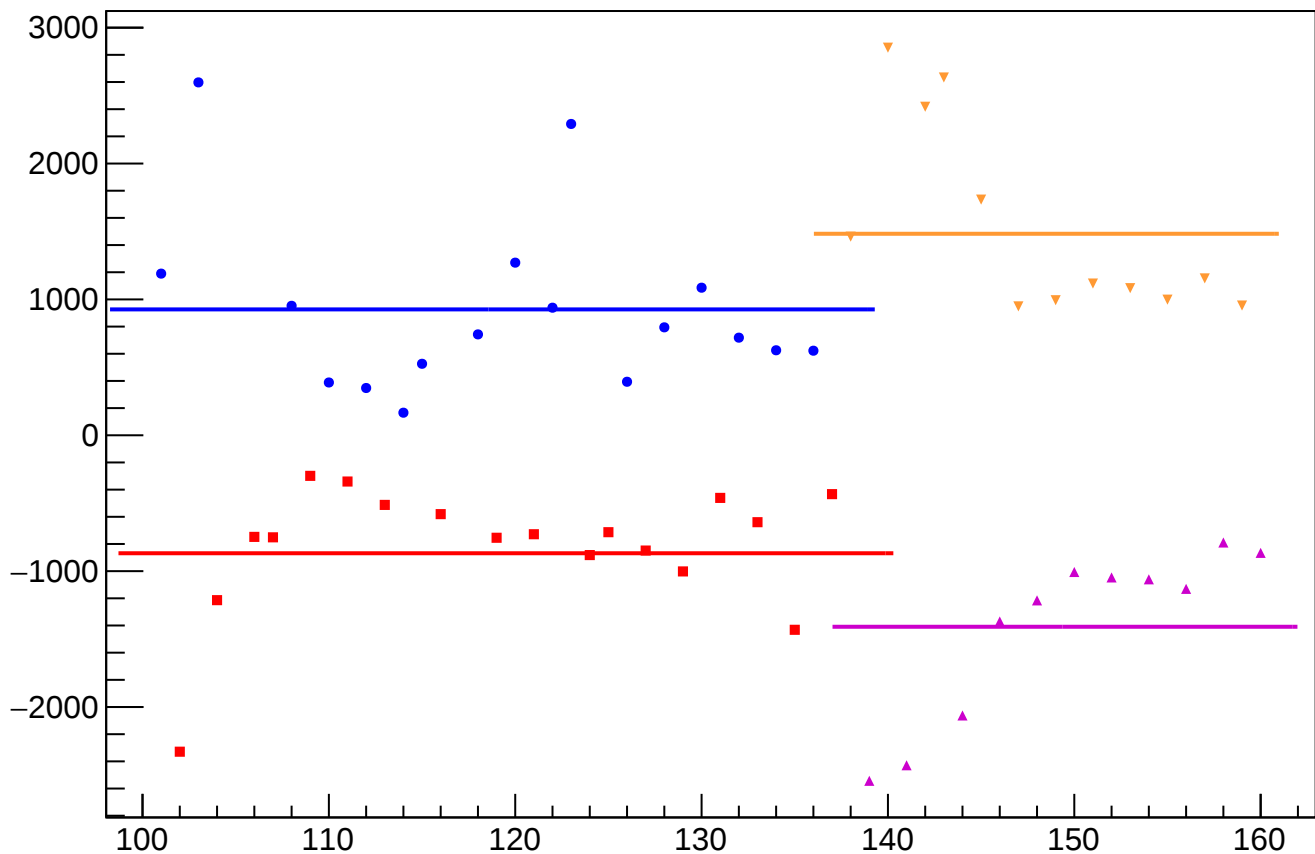
All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_sam4_coil1_mean vs Slug, Sign Corrected



Right In: 52960.923+/-0.000	χ^2/NDF : 388091282862865702902242590456549457526784.0/16	Left: -2533.049+/-0.000	χ^2/NDF : 14949275385074
Left Out: 87902.834+/-0.000	χ^2/NDF : 181078064018170990794226695799487636439040.0/11	Right: 1885.428+/-0.000	χ^2/NDF : 42386131622338
Right Out: -47689.948+/-0.000	χ^2/NDF : 282811495062805394257124892434373518819328.0/17	In: -29388.243+/-0.000	χ^2/NDF : 86857312555297
Left In: -90642.606+/-0.000	χ^2/NDF : 90652199115187667262863496655433124282368.0/10	Out: 28205.273+/-0.000	χ^2/NDF : 78218430465247
	All: -618.058+/-0.000		χ^2/NDF : 19203474335

dit_sam4_coil1_err_mean vs Slug, Sign Corrected



Right In: 926.486+/-0.000

χ^2/NDF : 243573676873909042150690872266806263808.0/16

Left Out: 1483.109+/-0.000

χ^2/NDF : 403083502170691493450426839772184969216.0/11

Right Out: -868.248+/-0.000

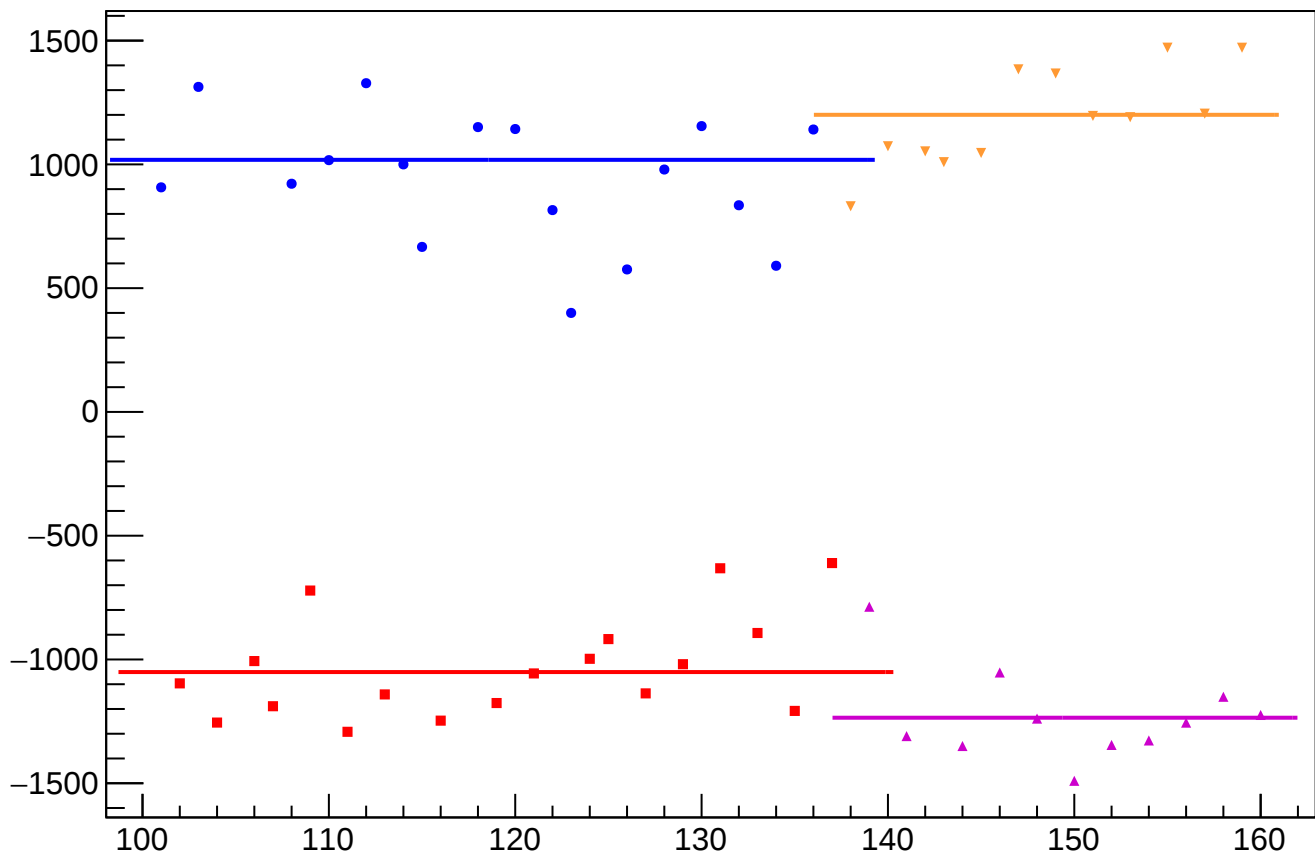
χ^2/NDF : 197961184826469333991871261895452262400.0/17

Left In: -1409.297+/-0.000

χ^2/NDF : 332711527563971352496330414058593320960.0/10

All: 17.058+/-0.000 χ^2/NDF : 6163599514436

dit_sam4_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000

χ^2/NDF : 32778661856751386998435413517146259456.0/16

Left Out: 1200.293+/-0.000

χ^2/NDF : 34024831893478856274932660157533913088.0/11

Right Out: -1050.842+/-0.000

χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514

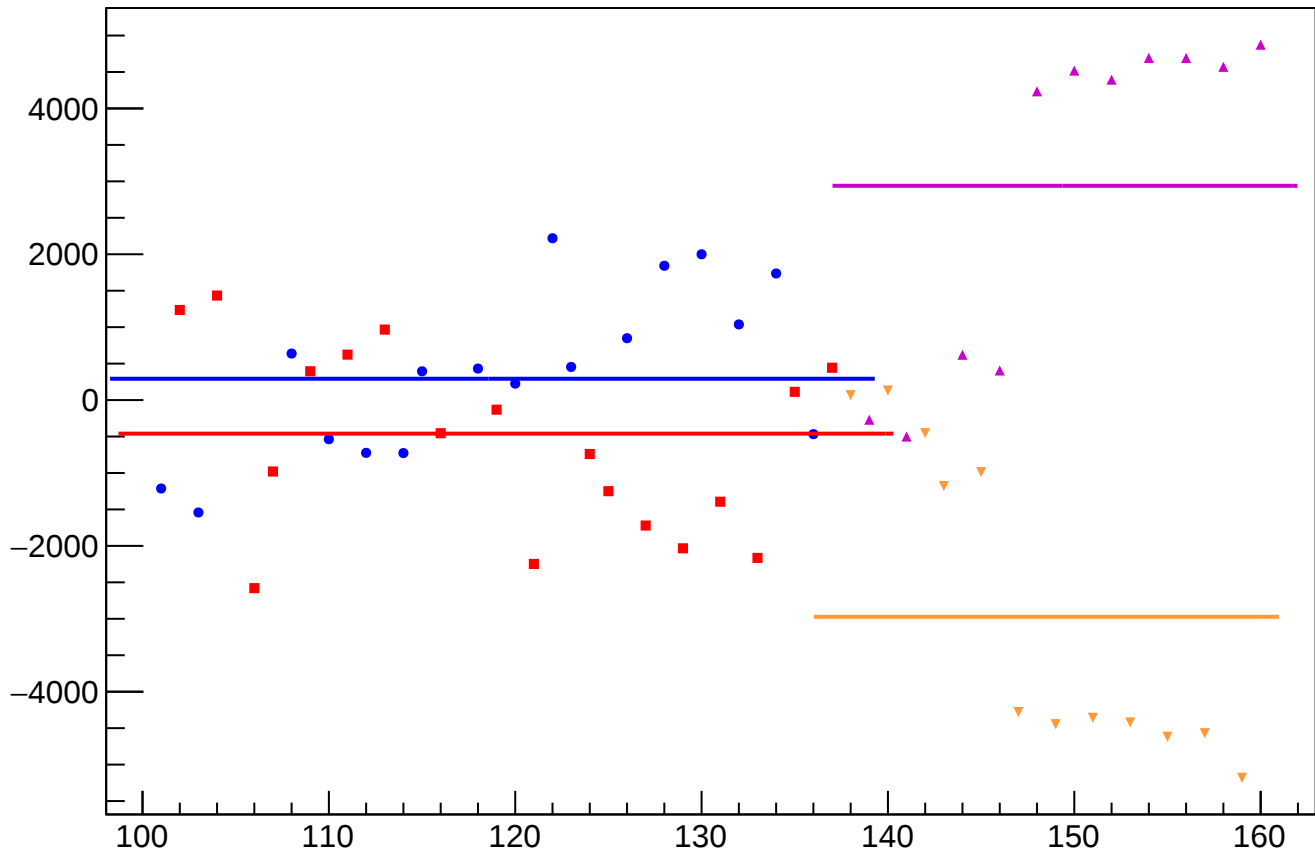
Right: -31.639+/-0.000 χ^2/NDF : 156759750862946

In: -273.986+/-0.000 χ^2/NDF : 2083200596416121

Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014

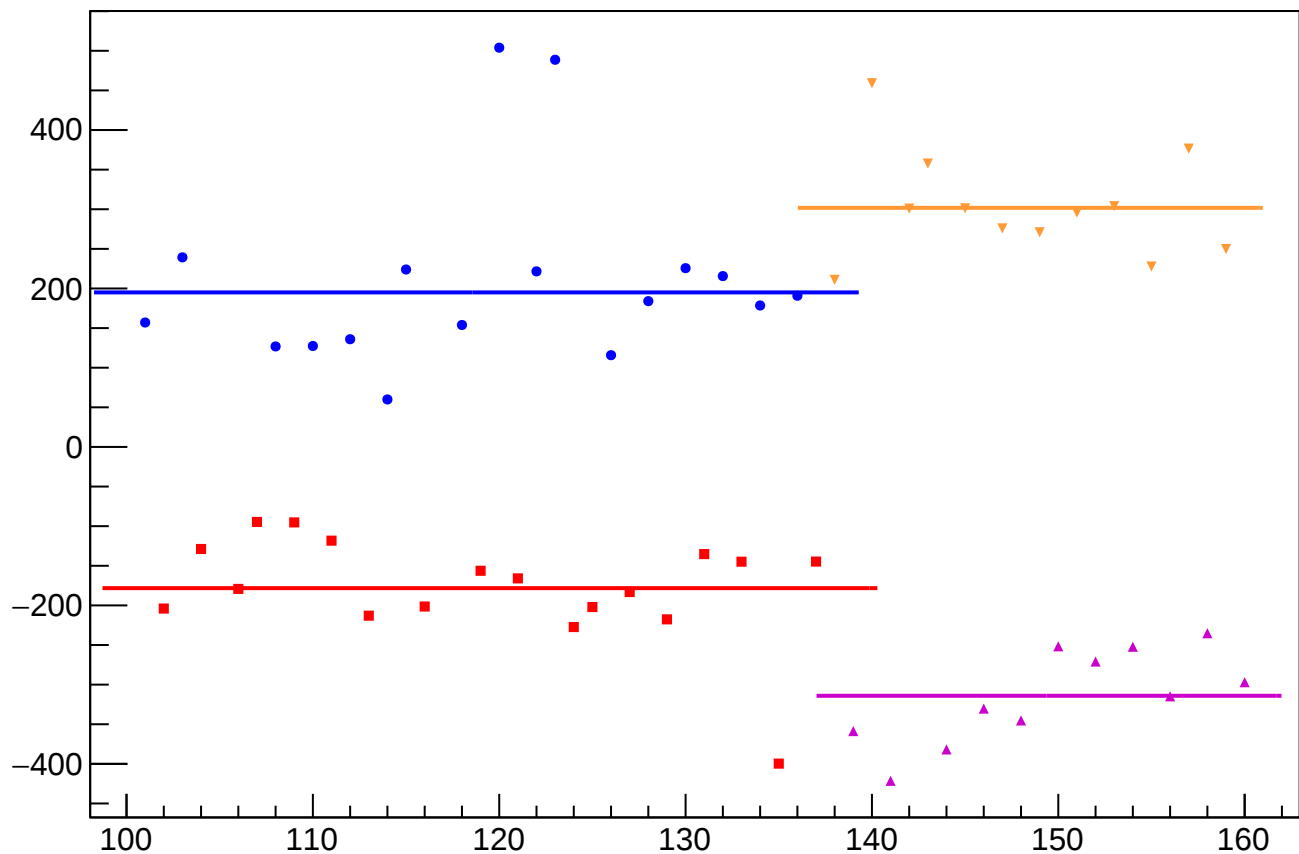
All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_sam5_coil1_mean vs Slug, Sign Corrected



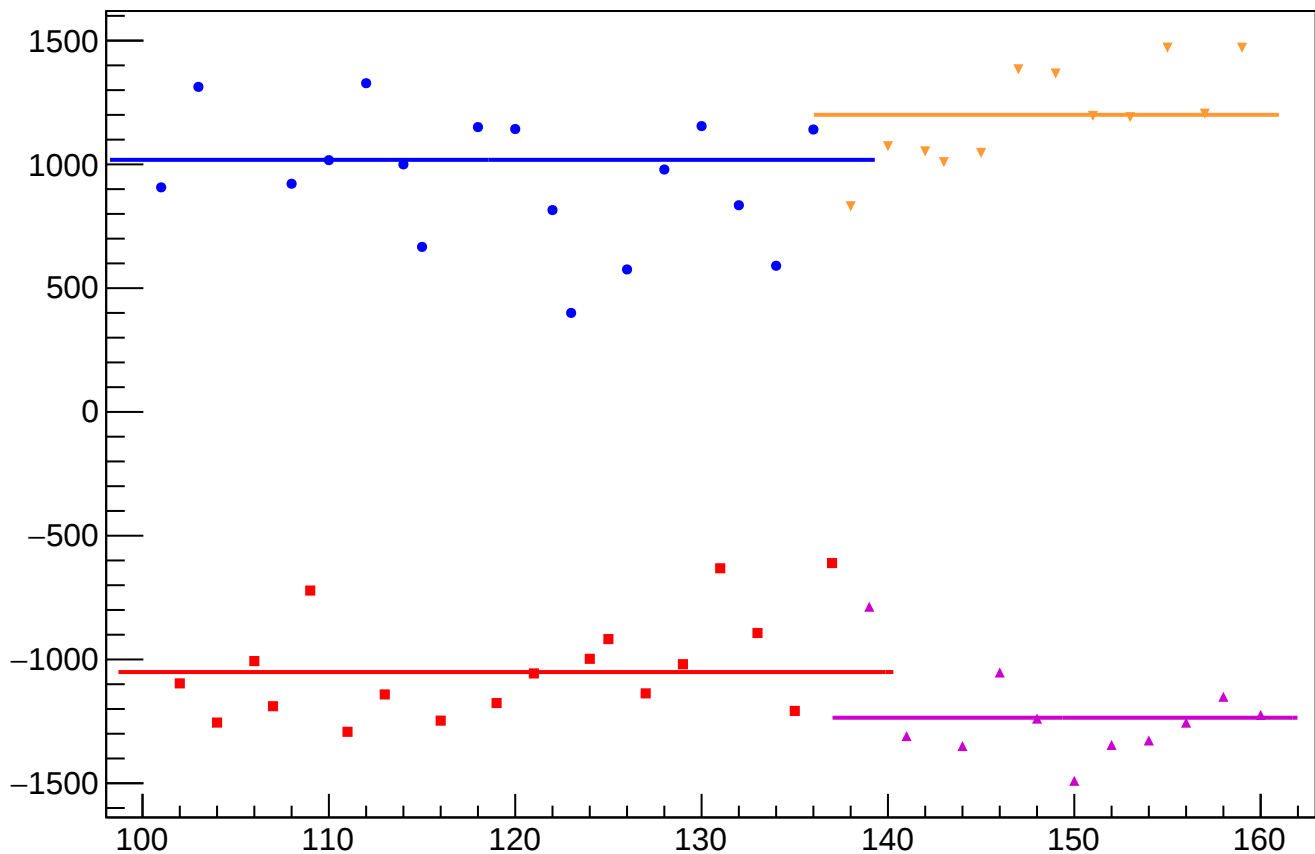
Right In: 292.624+/-0.000 χ^2/NDF : 992224758361668568621384832231814463488.0/16
 Left Out: -2972.256+/-0.000 χ^2/NDF : 3761676179645694438437077561605877661696.0/11
 Right Out: -460.444+/-0.000 χ^2/NDF : 1195390620297922800798852366593102446592.0/17
 Left In: 2938.958+/-0.000 χ^2/NDF : 4448330371719931217957339295057738465280.0/10
 All: -26.413+/-0.000 χ^2/NDF : 266955138197

dit_sam5_coil1_err_mean vs Slug, Sign Corrected



Left: -10.147 +/- 0.000 χ^2/NDF : 1817638332065697
 Right: 5.632 +/- 0.000 χ^2/NDF : 57785326932435193
 Right In: 195.049 +/- 0.000 χ^2/NDF : 5080024494184824251769530857650388992.0/16
 Left Out: 301.805 +/- 0.000 χ^2/NDF : 4084053009607102608824389490062655488.0/11
 Right Out: -178.222 +/- 0.000 χ^2/NDF : 3636798558444840391154572885518974976.0/17
 Left In: -314.075 +/- 0.000 χ^2/NDF : 3038378746515633770905831871124340736.0/10
 All: -3.309 +/- 0.000 χ^2/NDF : 2397479311917

dit_sam5_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000

χ^2/NDF : 32778661856751386998435413517146259456.0/16

Left Out: 1200.293+/-0.000

χ^2/NDF : 34024831893478856274932660157533913088.0/11

Right Out: -1050.842+/-0.000

χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514

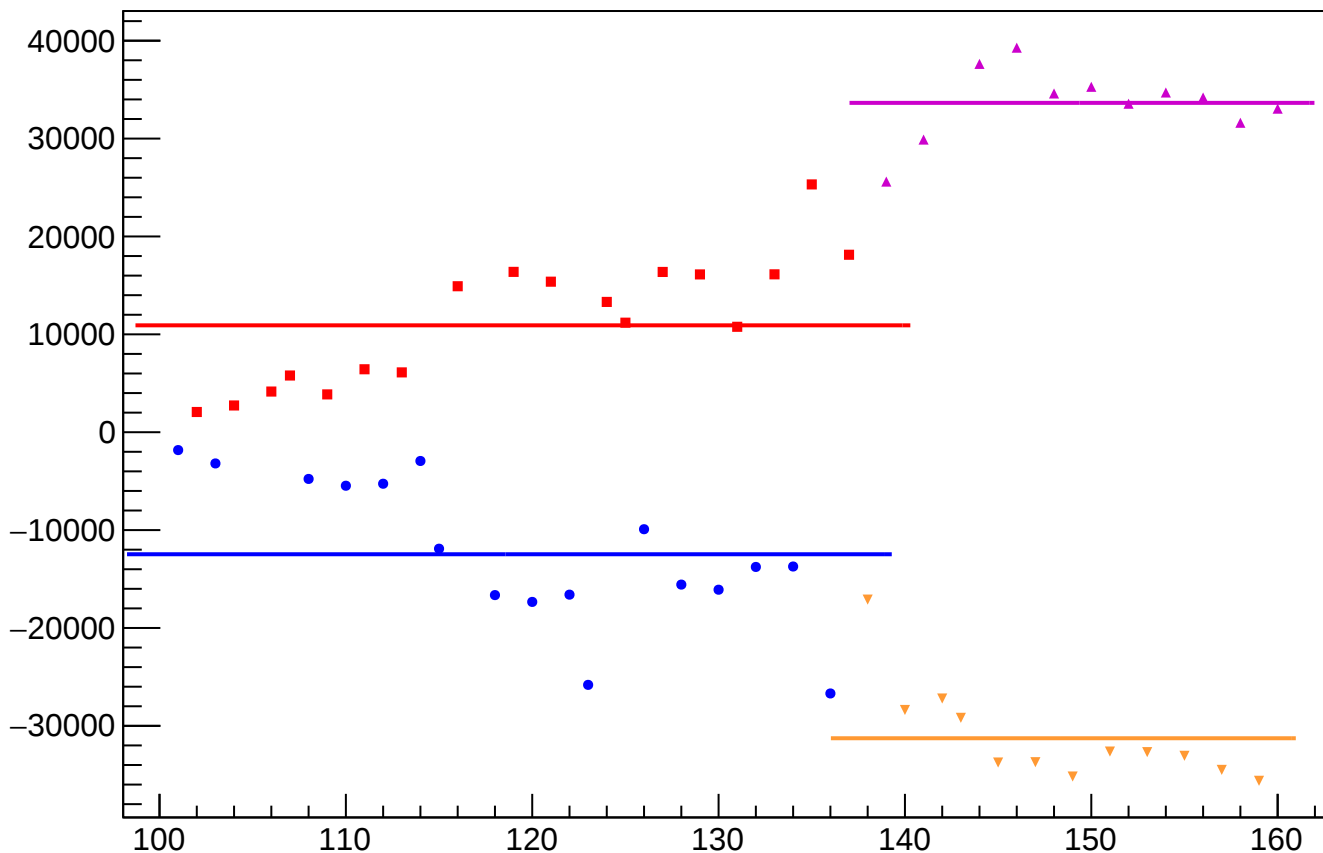
Right: -31.639+/-0.000 χ^2/NDF : 156759750862946

In: -273.986+/-0.000 χ^2/NDF : 2083200596416121

Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014

All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_sam6_coil1_mean vs Slug, Sign Corrected



Right In: -12468.200+/-0.000

Left Out: -31267.411+/-0.000

Right Out: 10920.089+/-0.000

Left In: 33648.648+/-0.000

χ^2/NDF : 41947810781860597740124287766684235726848.0/16

χ^2/NDF : 22472352508992692811157309504314979385344.0/11

χ^2/NDF : 32165705228240657588124121675327793528832.0/17

χ^2/NDF : 11296625028325119552839806860927105499136.0/10

Left: 1613.524+/-0.000 χ^2/NDF : 197403017613361

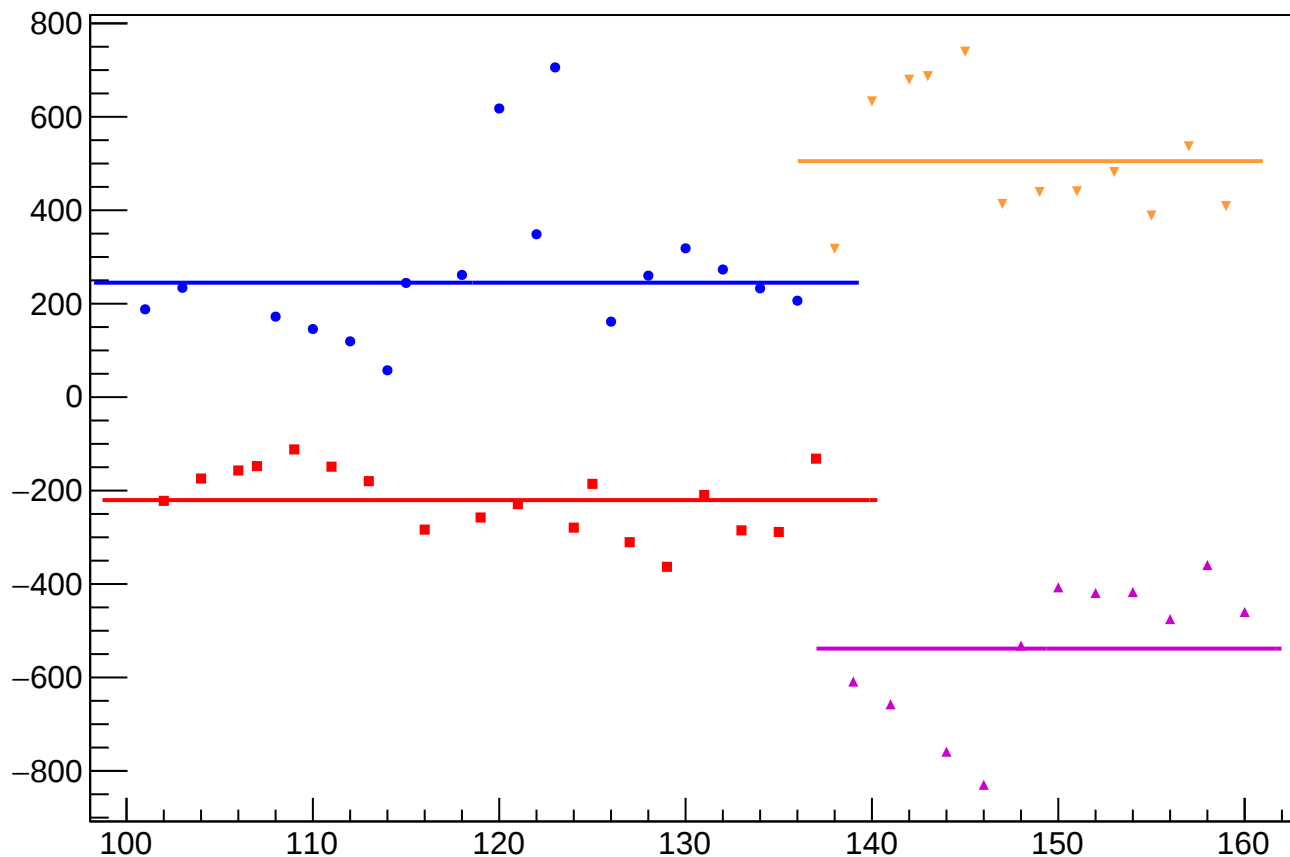
Right: -599.764+/-0.000 χ^2/NDF : 26675570352748

In: 13977.417+/-0.000 χ^2/NDF : 899638855582908

Out: -12693.481+/-0.000 χ^2/NDF : 7669192539655

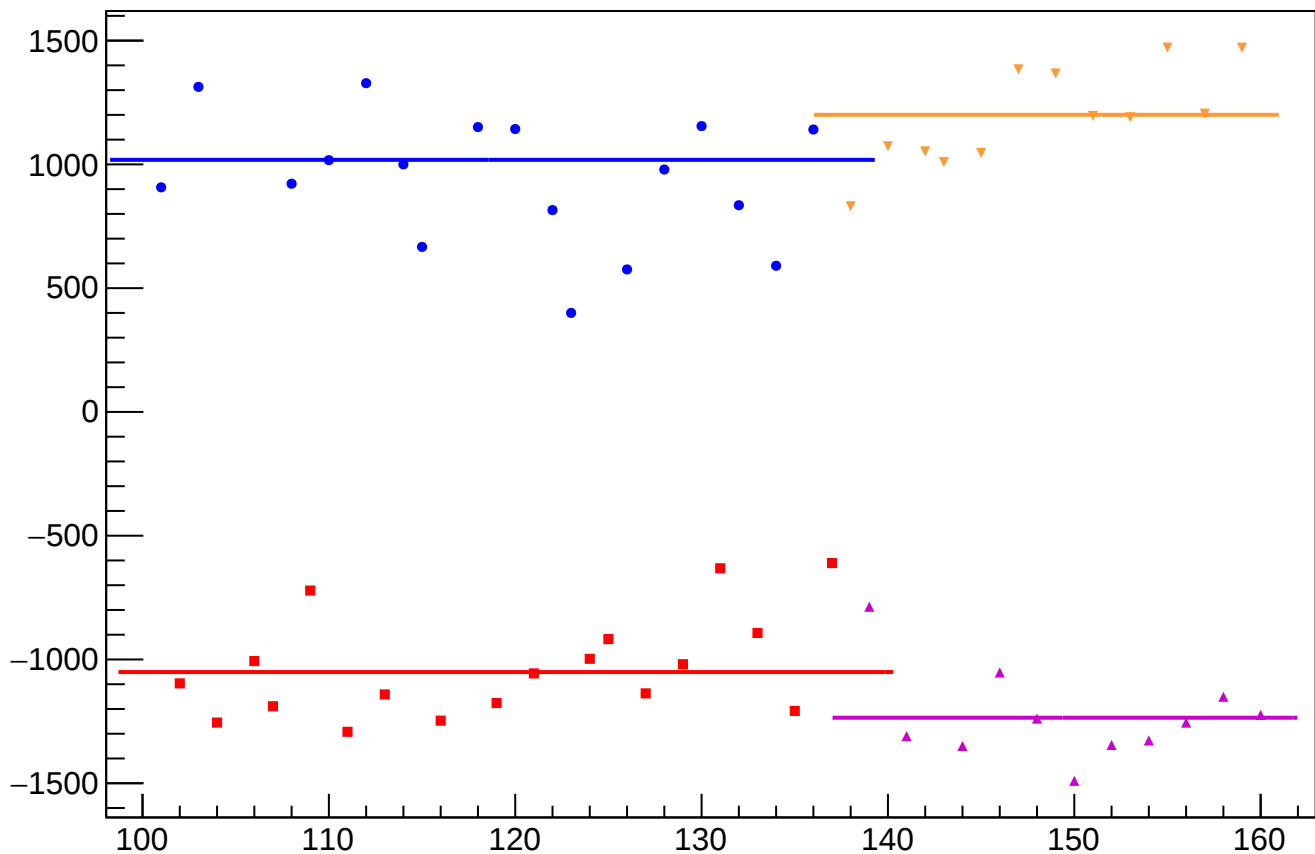
All: 654.274+/-0.000 χ^2/NDF : 224469662532

dit_sam6_coil1_err_mean vs Slug, Sign Corrected



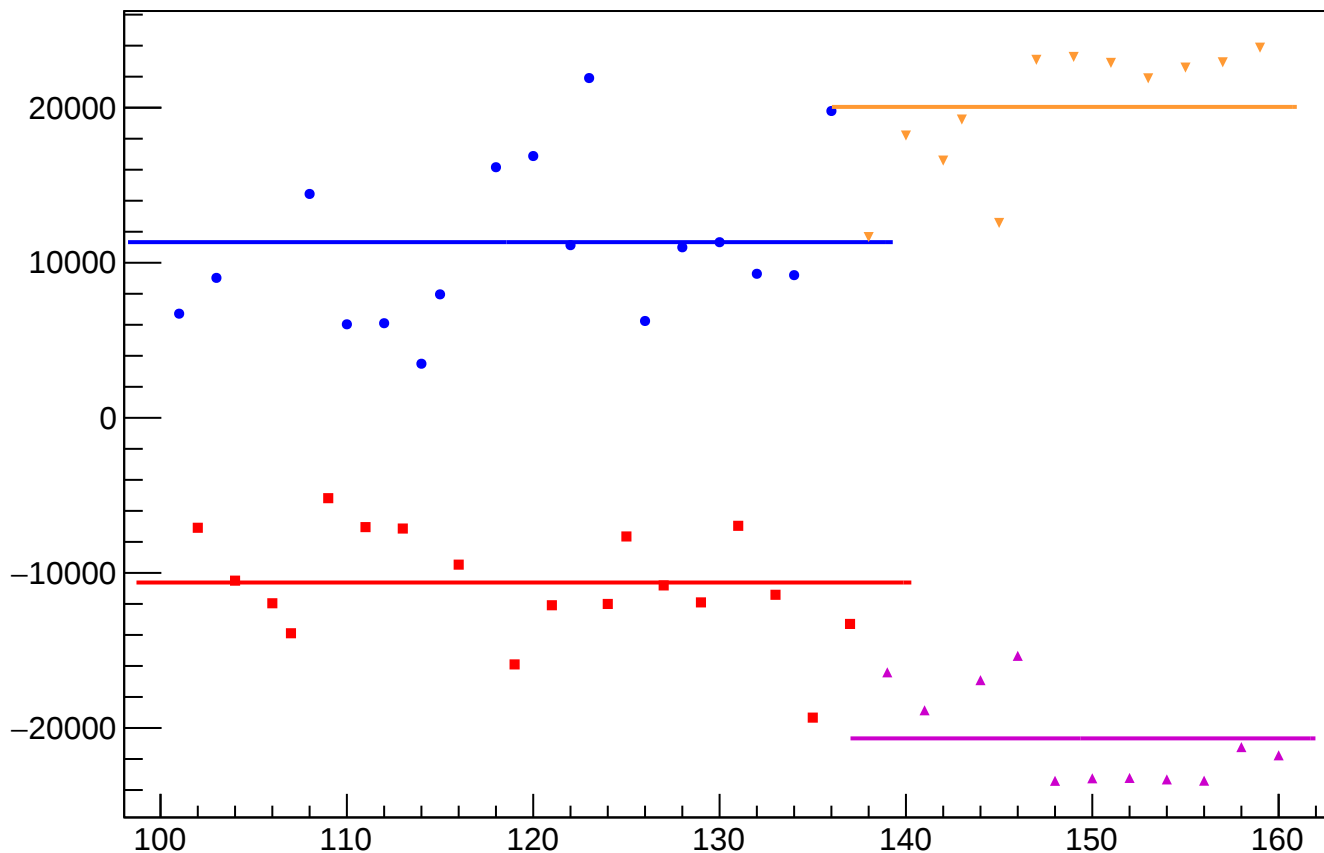
Right In: 244.994+/-0.000 χ^2/NDF : 8873183370170999334634045001787506688.0/16
 Left Out: 505.129+/-0.000 χ^2/NDF : 15272519684305825551143996818058117120.0/11
 Right Out: -220.353+/-0.000 χ^2/NDF : 3356691284213126680510243475038404608.0/17
 Left In: -538.207+/-0.000 χ^2/NDF : 20524569412911645618745037593493110784.0/10
 All: -9.385+/-0.000 χ^2/NDF : 6263080499592

dit_sam6_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000 χ^2/NDF : 32778661856751386998435413517146259456.0/16
 Left Out: 1200.293+/-0.000 χ^2/NDF : 34024831893478856274932660157533913088.0/11
 Right Out: -1050.842+/-0.000 χ^2/NDF : 26898078099677260392287731084448235520.0/17
 Left In: -1235.313+/-0.000 χ^2/NDF : 29022677529286996275047766841758842880.0/10
 All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_sam7_coil1_mean vs Slug, Sign Corrected



Right In: 11329.210+/-0.000

χ^2/NDF : 15521857033868622025770129635391850938368.0/16

Left Out: 20050.081+/-0.000

χ^2/NDF : 15531978446555800166104970917231932211200.0/11

Right Out: -10619.182+/-0.000

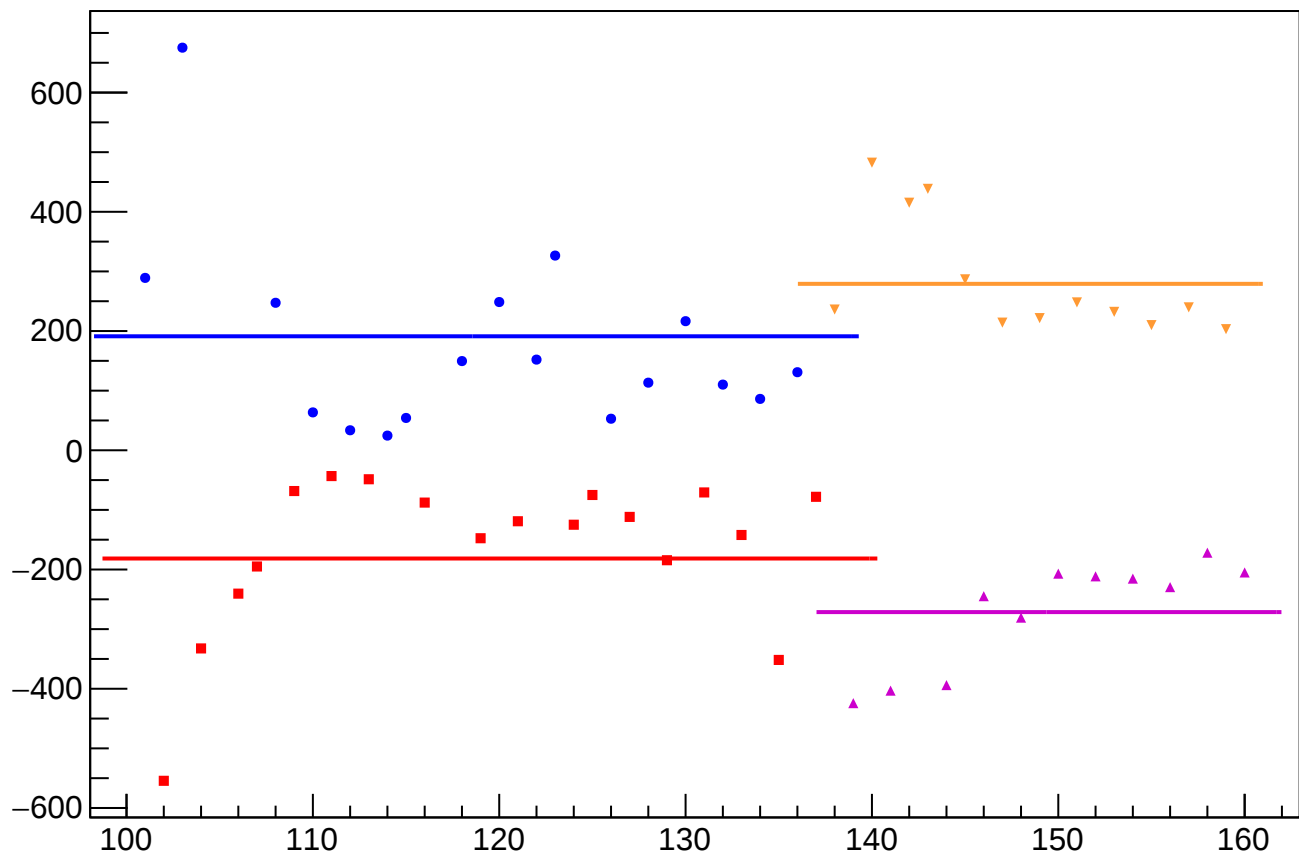
χ^2/NDF : 10071633014201515414626302207213810221056.0/17

Left In: -20670.726+/-0.000

χ^2/NDF : 8494858406573564863789120894069960081408.0/10

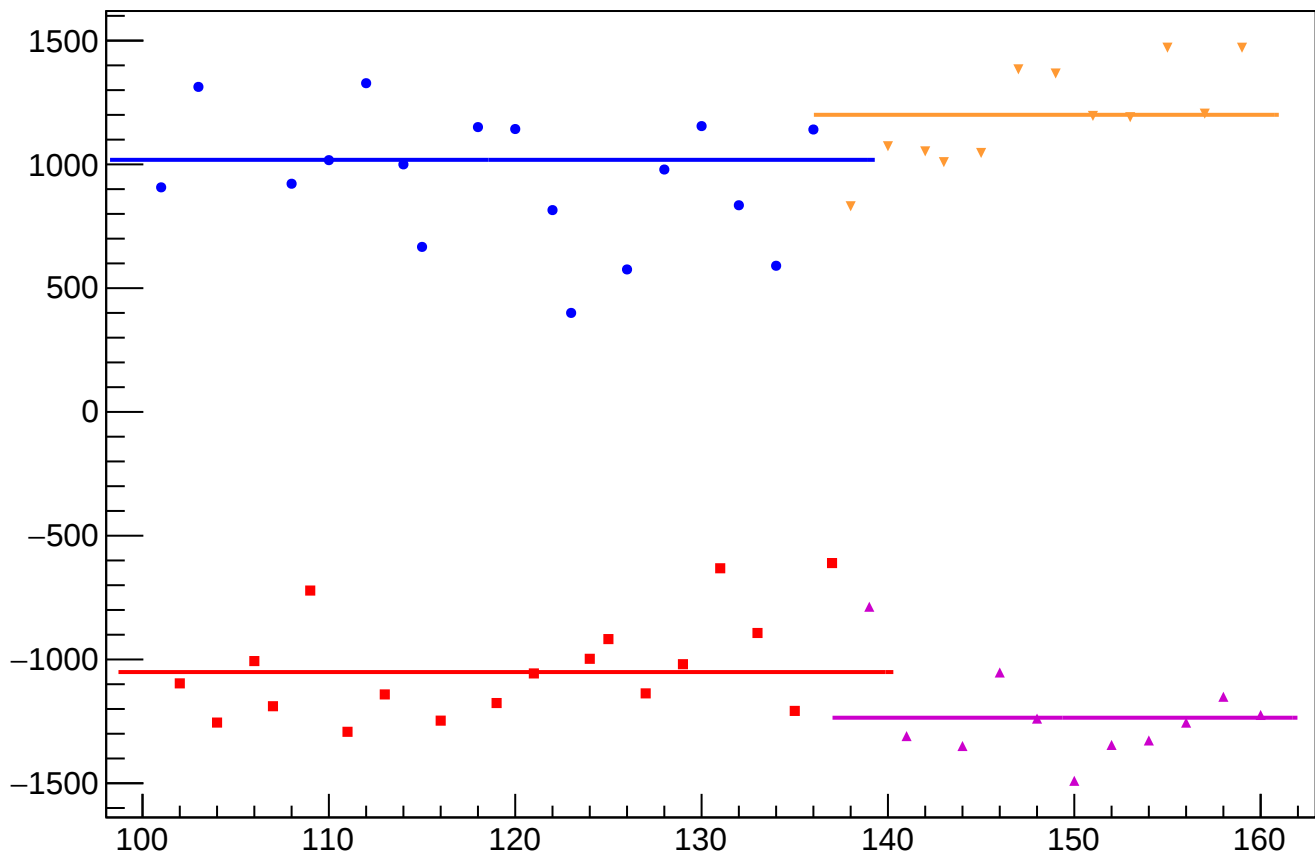
Left: -575.604+/-0.000 χ^2/NDF : 787490977590179
 Right: 191.453+/-0.000 χ^2/NDF : 195245861840049
 In: -7021.091+/-0.000 χ^2/NDF : 431539395556195
 Out: 6547.296+/-0.000 χ^2/NDF : 402039102823290
 All: -243.158+/-0.000 χ^2/NDF : 98320655990

dit_sam7_coil1_err_mean vs Slug, Sign Corrected



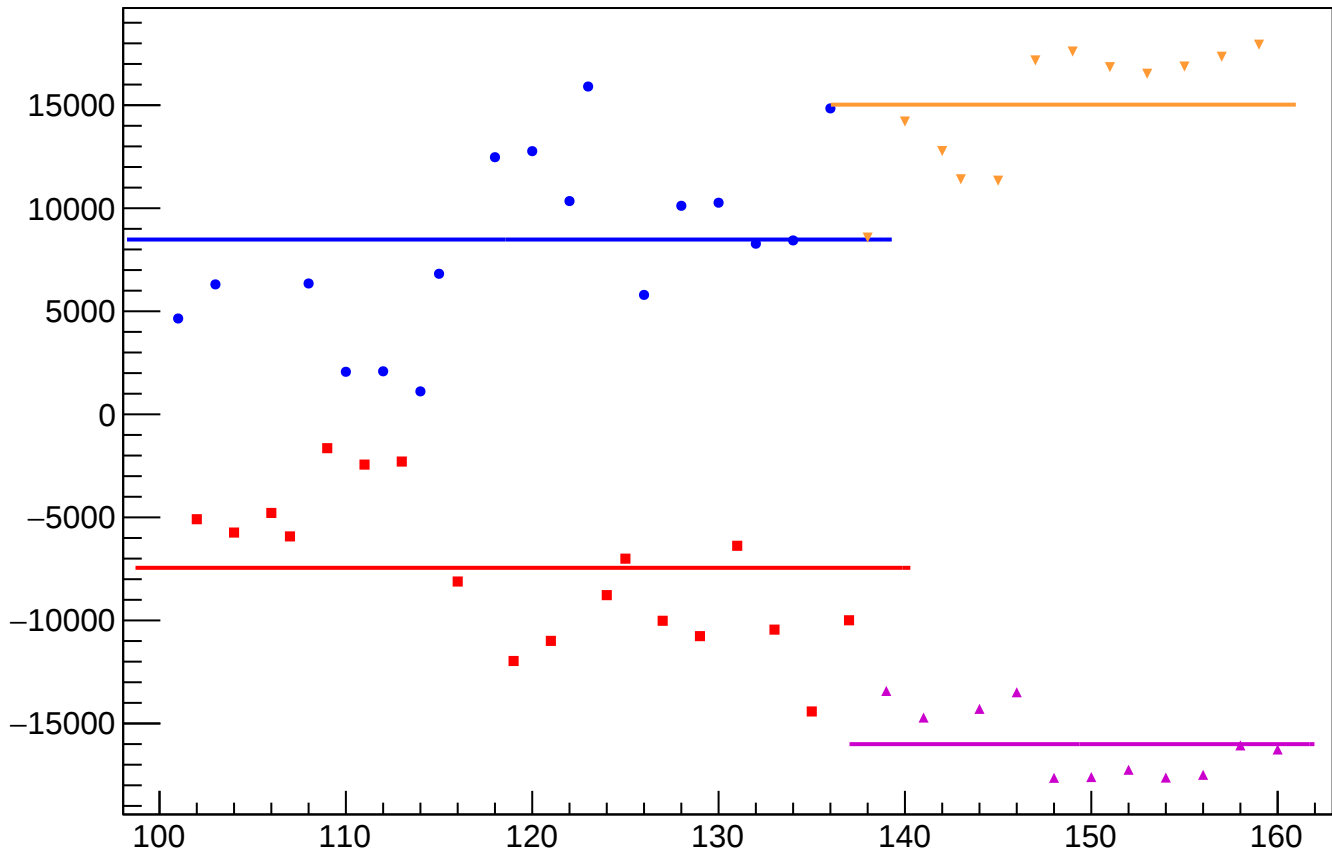
Right In: 191.191 $\pm$ 0.000 χ^2 /NDF: 19183697593820495387775377202474909696.0/16
 Left Out: 279.165 $\pm$ 0.000 χ^2 /NDF: 7920210699485411791931517458268028928.0/11
 Right Out: -181.551 $\pm$ 0.000 χ^2 /NDF: 14852803264995019247576775913608577024.0/17
 Left In: -271.426 $\pm$ 0.000 χ^2 /NDF: 7049081855860572674907173749109293056.0/10
 All: 1.045 $\pm$ 0.000 χ^2 /NDF: 23751463159160

dit_sam7_coil1_Ndata_mean vs Slug, Sign Corrected



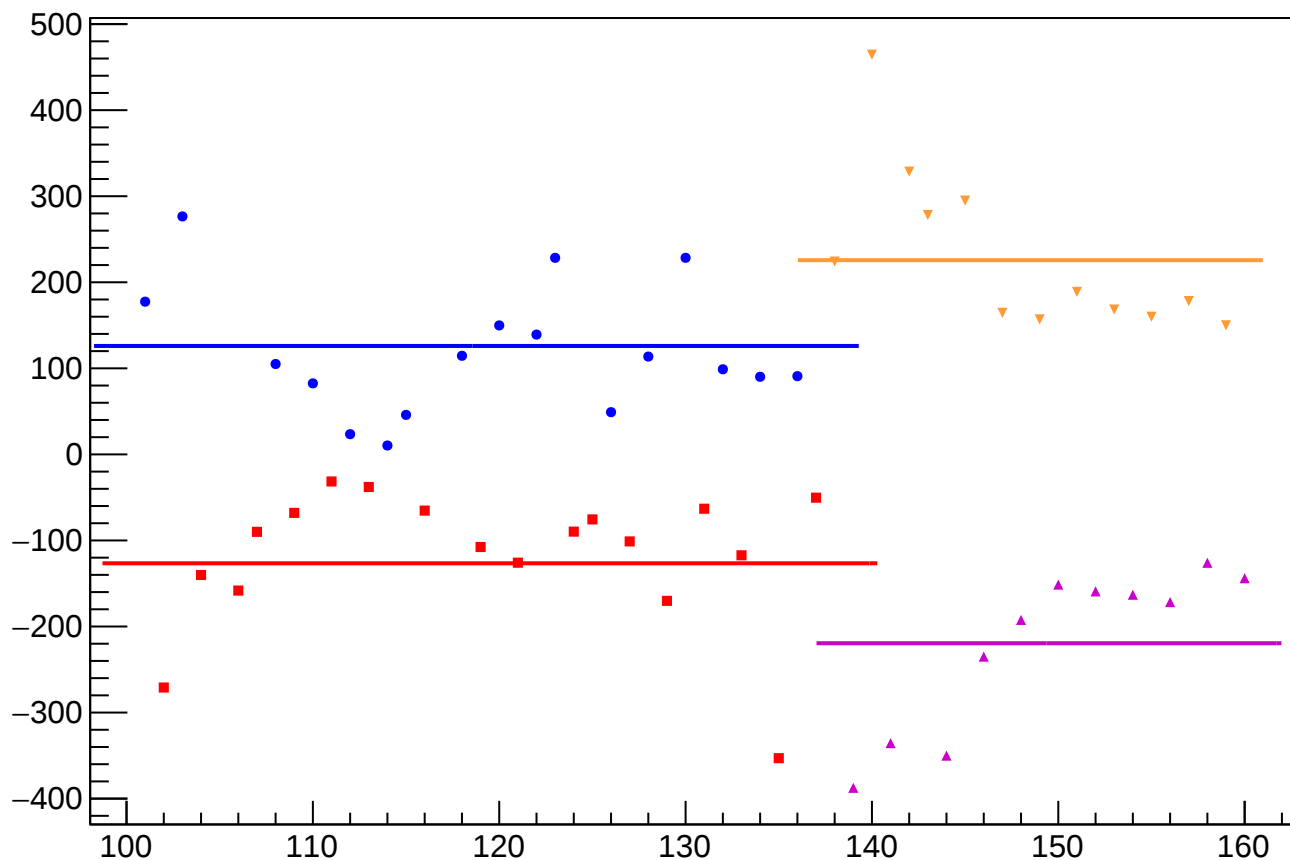
Right In: 1018.403+/-0.000 χ^2/NDF : 32778661856751386998435413517146259456.0/16
 Left Out: 1200.293+/-0.000 χ^2/NDF : 34024831893478856274932660157533913088.0/11
 Right Out: -1050.842+/-0.000 χ^2/NDF : 26898078099677260392287731084448235520.0/17
 Left In: -1235.313+/-0.000 χ^2/NDF : 29022677529286996275047766841758842880.0/10
 All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_sam8_coil1_mean vs Slug, Sign Corrected



Left: -690.569 +/- 0.000 χ^2/NDF : 453938859175611
 Right In: 8480.889 +/- 0.000 χ^2/NDF : 11499484754166446401410720405854359650304.0/16
 Right: 398.138 +/- 0.000 χ^2/NDF : 110892866685720
 Left Out: 15025.757 +/- 0.000 χ^2/NDF : 8187740092033082050104349904869741559808.0/11
 In: -5559.130 +/- 0.000 χ^2/NDF : 252536611312821
 Right Out: -7447.217 +/- 0.000 χ^2/NDF : 10045808642952263494281474112188504342528.0/17
 Out: 5131.560 +/- 0.000 χ^2/NDF : 220351551801911
 Left In: -16002.617 +/- 0.000 χ^2/NDF : 2475406713829870725608341548092805349376.0/10
 All: -218.717 +/- 0.000 χ^2/NDF : 56577797578

dit_sam8_coil1_err_mean vs Slug, Sign Corrected



Right In: 126.005 +/- 0.000

χ^2/NDF : 3386025781144831306970150054630785024.0/16

Left Out: 225.692 +/- 0.000

χ^2/NDF : 7765824995412425286122153901765427200.0/11

Right Out: -126.521 +/- 0.000

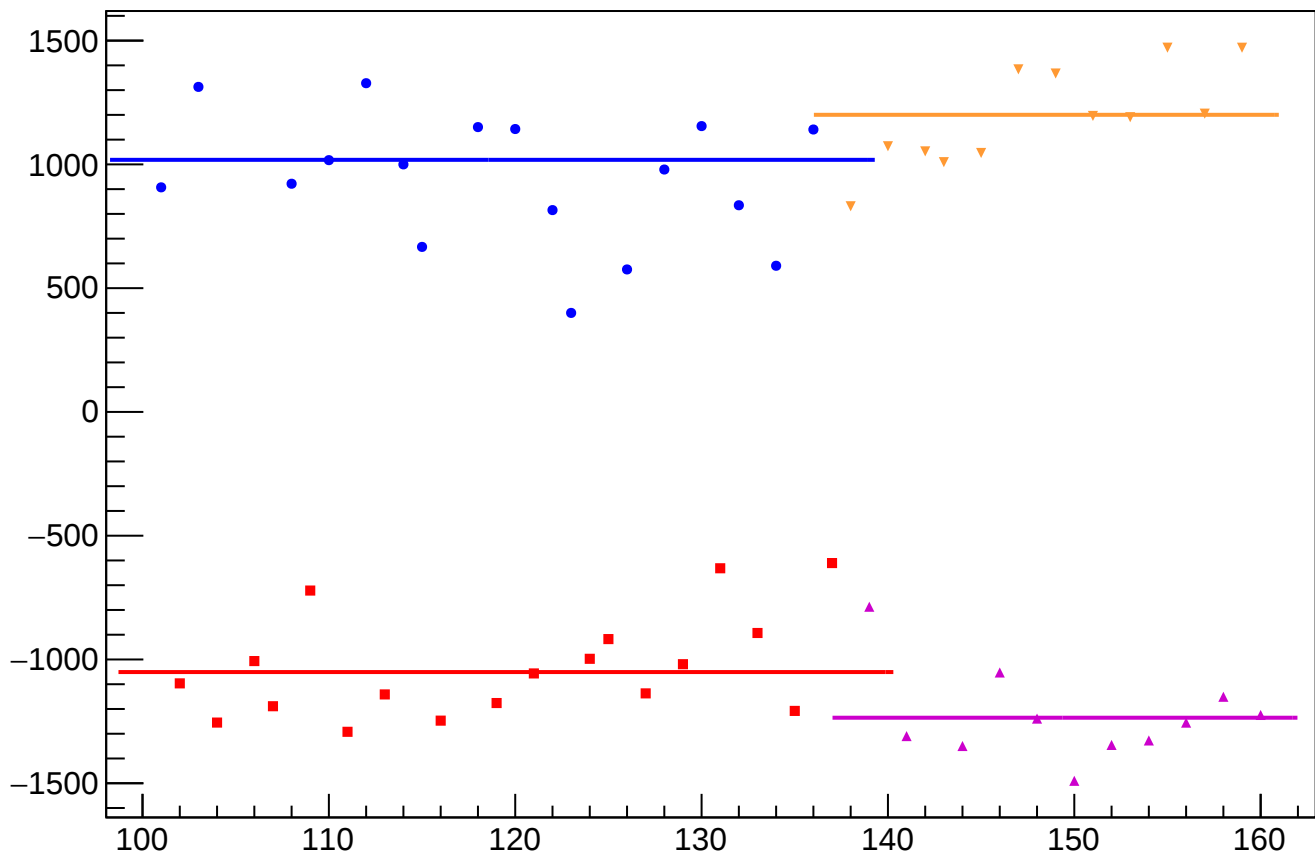
χ^2/NDF : 5291778643595712336156745298356469760.0/17

Left In: -219.416 +/- 0.000

χ^2/NDF : 7417643300202175953458768997657870336.0/10

All: -0.792 +/- 0.000 χ^2/NDF : 1375428140001

dit_sam8_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1018.403+/-0.000

χ^2/NDF : 32778661856751386998435413517146259456.0/16

Left Out: 1200.293+/-0.000

χ^2/NDF : 34024831893478856274932660157533913088.0/11

Right Out: -1050.842+/-0.000

χ^2/NDF : 26898078099677260392287731084448235520.0/17

Left In: -1235.313+/-0.000

χ^2/NDF : 29022677529286996275047766841758842880.0/10

Left: -33.377+/-0.000 χ^2/NDF : 2794350173420514

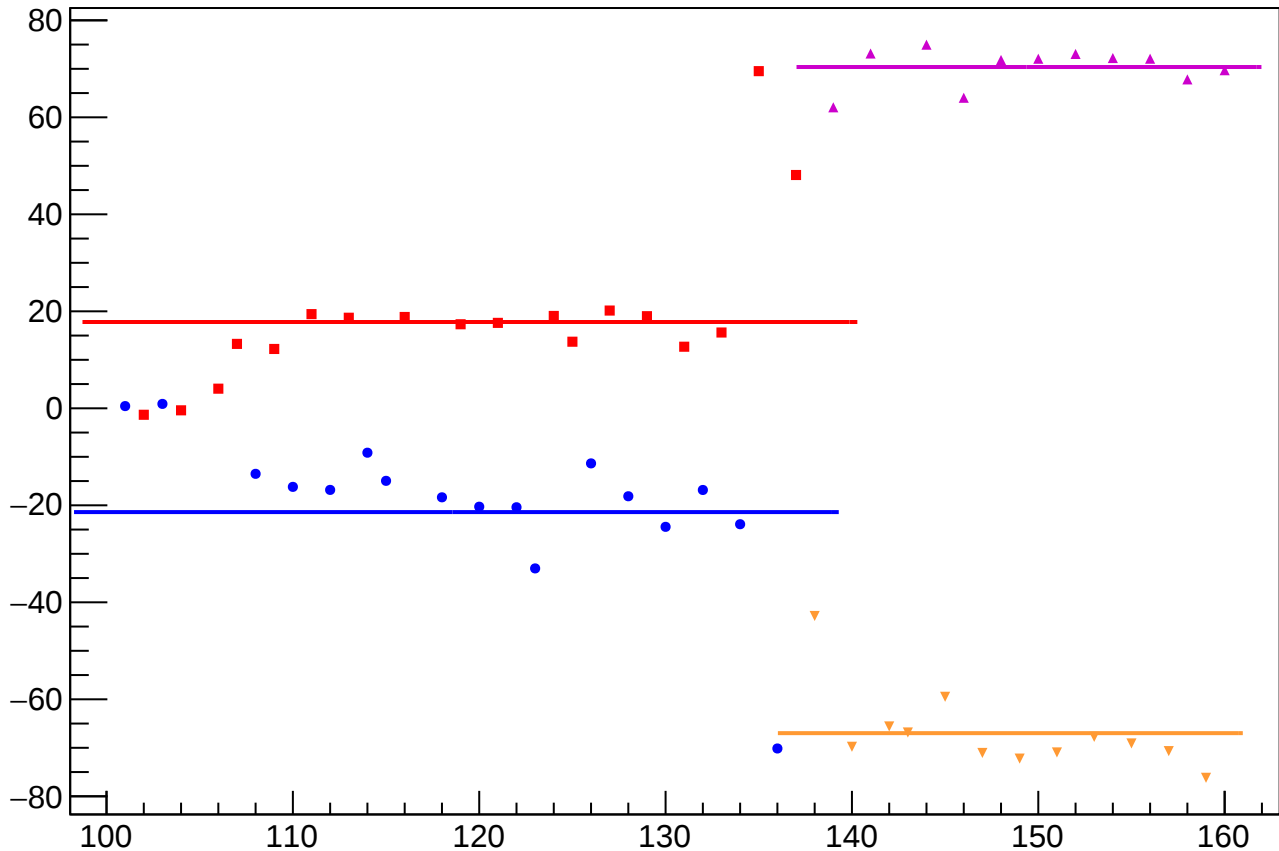
Right: -31.639+/-0.000 χ^2/NDF : 156759750862946

In: -273.986+/-0.000 χ^2/NDF : 2083200596416121

Out: 209.183+/-0.000 χ^2/NDF : 2089011032009014

All: -32.624+/-0.000 χ^2/NDF : 436195009310

dit_4aX_coil3_mean vs Slug, Sign Corrected



Right In: -21.398+/-0.000

Left Out: -66.978+/-0.000

Right Out: 17.797+/-0.000

Left In: 70.373+/-0.000

χ^2/NDF : 280536163120367747156314867523125248.0/16

χ^2/NDF : 63685898995814955491327915677712384.0/11

χ^2/NDF : 194445073804421906744756784211165184.0/17

χ^2/NDF : 13651024036120663482420235694243840.0/10

Left: 2.593+/-0.000 χ^2/NDF : 876339460112886704

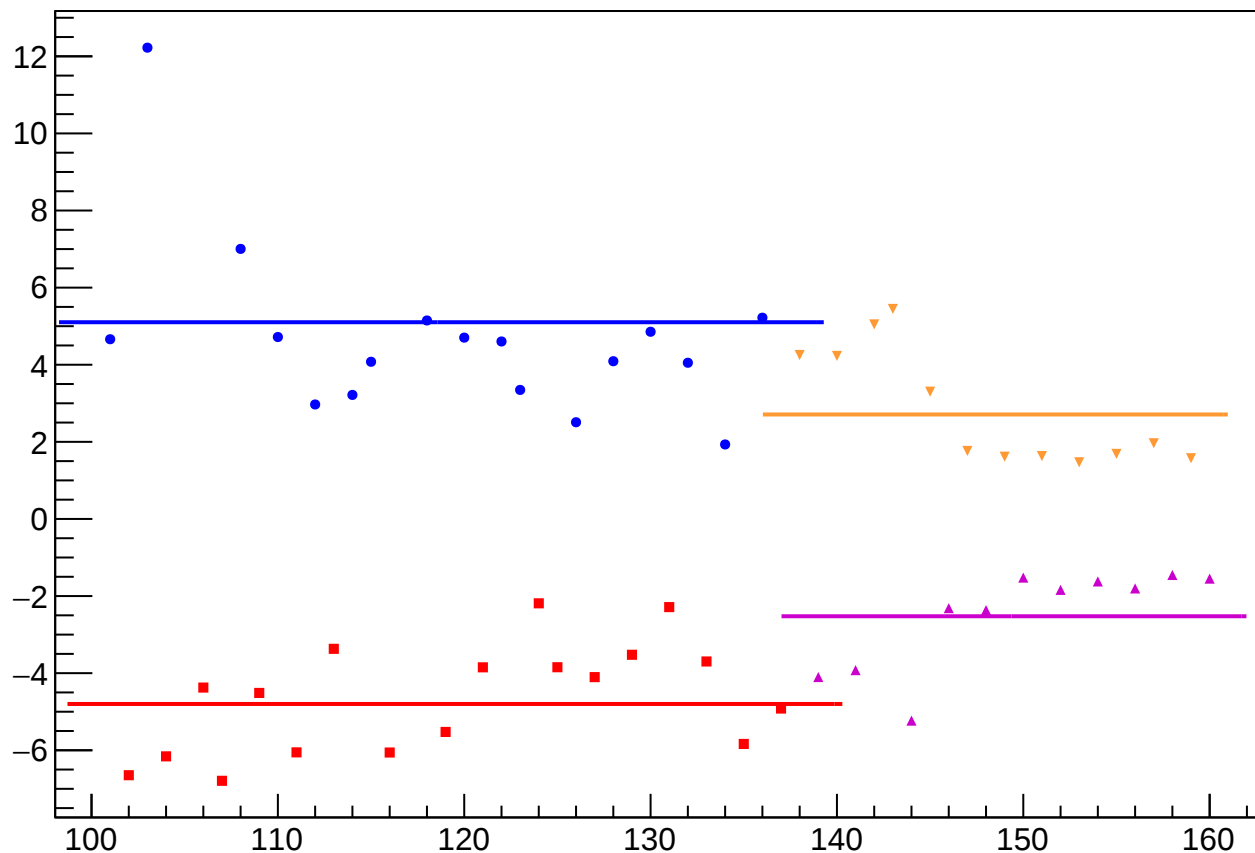
Right: -1.508+/-0.000 χ^2/NDF : 1016004524366776

In: 31.228+/-0.000 χ^2/NDF : 364590997296743211

Out: -29.654+/-0.000 χ^2/NDF : 3134342076596481

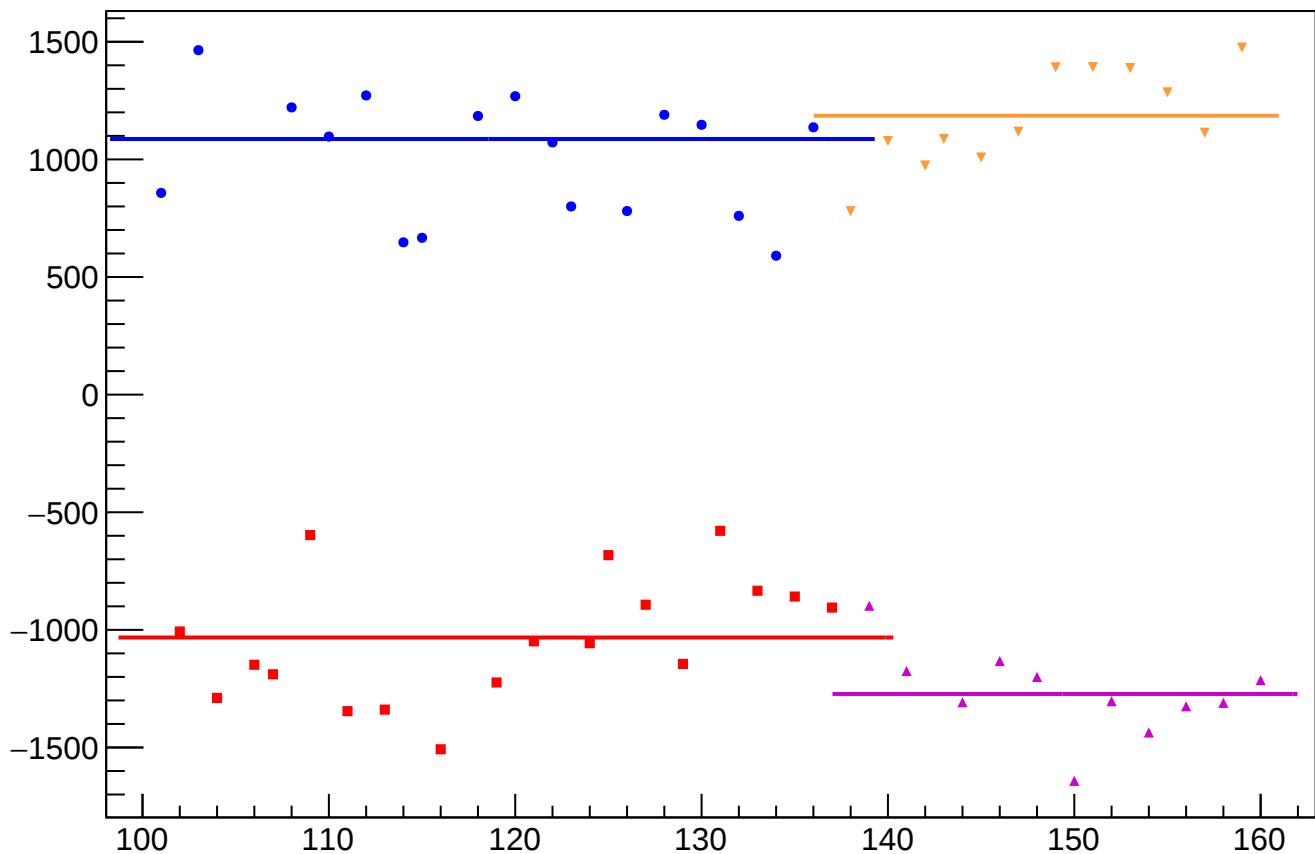
All: 0.815+/-0.000 χ^2/NDF : 97928246020073

dit_4aX_coil3_err_mean vs Slug, Sign Corrected



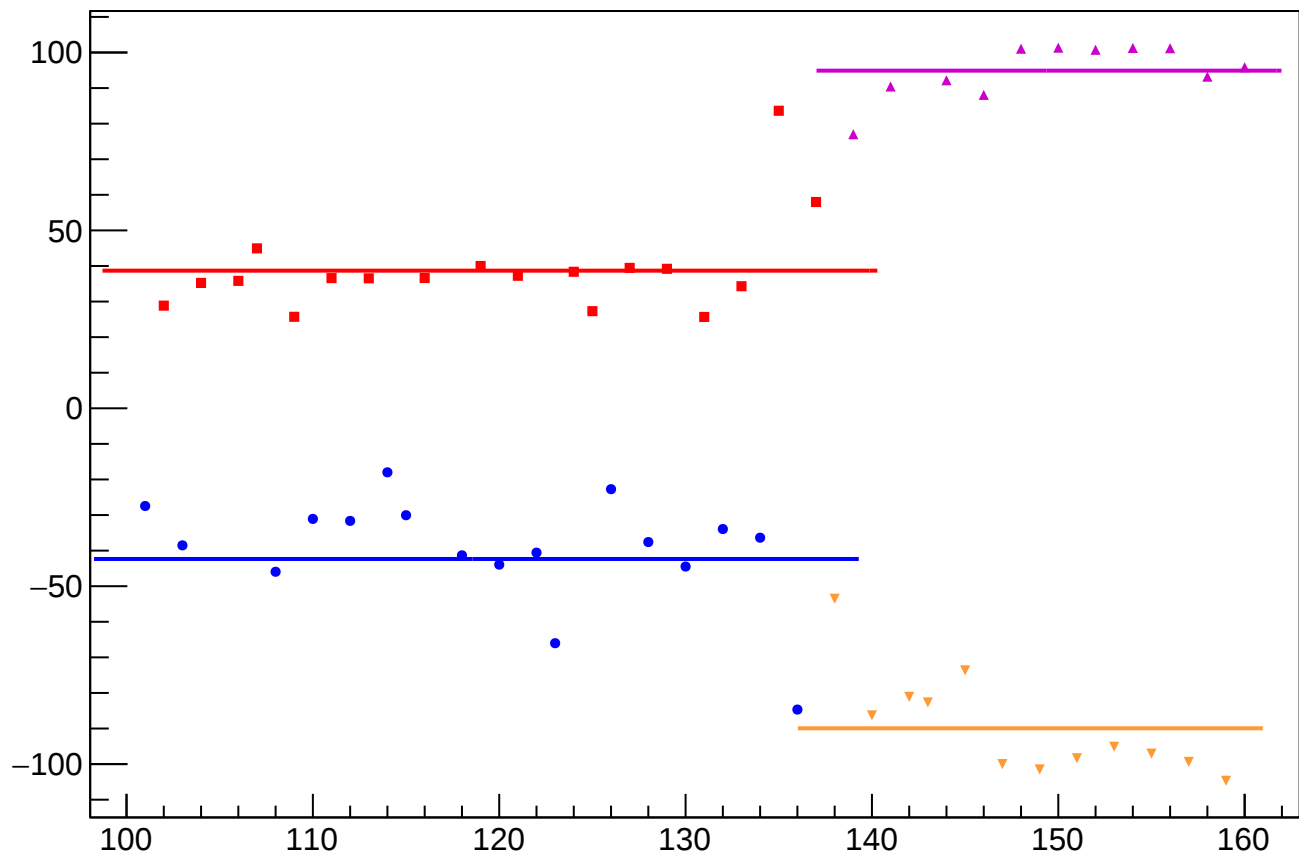
Right In: 5.103 $\pm$ 0.000 χ^2 /NDF: 4048406978190508053530993177395200.0/16
 Left Out: 2.710 $\pm$ 0.000 χ^2 /NDF: 1774159043511346014201510128254976.0/11
 Right Out: -4.799 $\pm$ 0.000 χ^2 /NDF: 1271869445641912698697536291995648.0/17
 Left In: -2.524 $\pm$ 0.000 χ^2 /NDF: 1443854563513341294387646202642432.0/10
 All: 0.067 $\pm$ 0.000 χ^2 /NDF: 55678277230235

dit_4aX_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695+/-0.000 χ^2/NDF : 34612834720892896264590202148866752512.0/16
 Left Out: 1185.823+/-0.000 χ^2/NDF : 37557683033316568818198536296895348736.0/11
 Right Out: -1032.544+/-0.000 χ^2/NDF : 47614887029691398867923382029973979136.0/17
 Left In: -1272.495+/-0.000 χ^2/NDF : 29878198288838193261445678233542459392.0/10
 All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_4eX_coil3_mean vs Slug, Sign Corrected



Right In: -42.348 $\pm$ 0.000

Left Out: -89.931 $\pm$ 0.000

Right Out: 38.687 $\pm$ 0.000

Left In: 94.901 $\pm$ 0.000

χ^2/NDF : 214487265312366042421757259213176832.0/16

χ^2/NDF : 187167251032127788176867775297355776.0/11

χ^2/NDF : 132884782523479402209438367825788928.0/17

χ^2/NDF : 49160458871676913814520414202757120.0/10

Left: 3.689 $\pm$ 0.000 χ^2/NDF : 159656581225915096

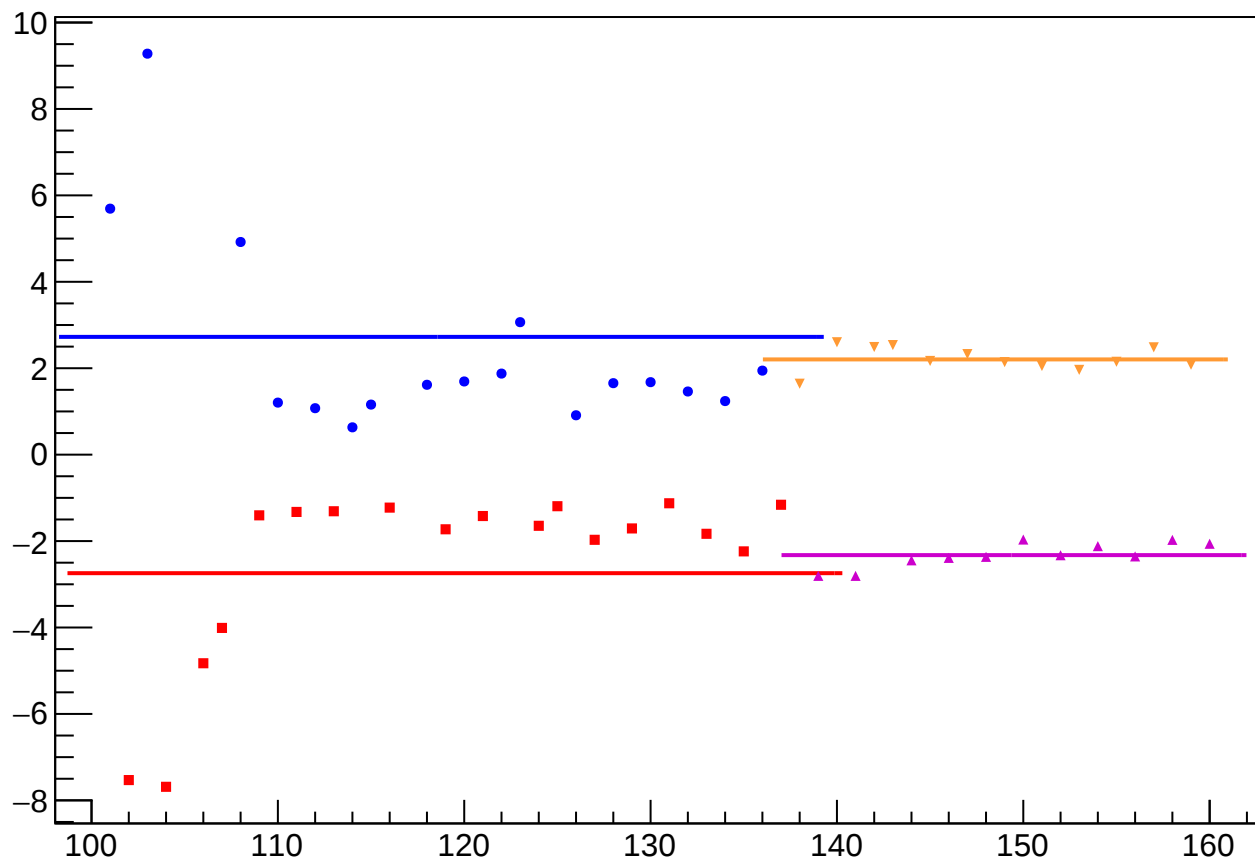
Right: -1.226 $\pm$ 0.000 χ^2/NDF : 2659977091062519

In: 36.357 $\pm$ 0.000 χ^2/NDF : 776037945443292169

Out: -33.304 $\pm$ 0.000 χ^2/NDF : 6940516204701080

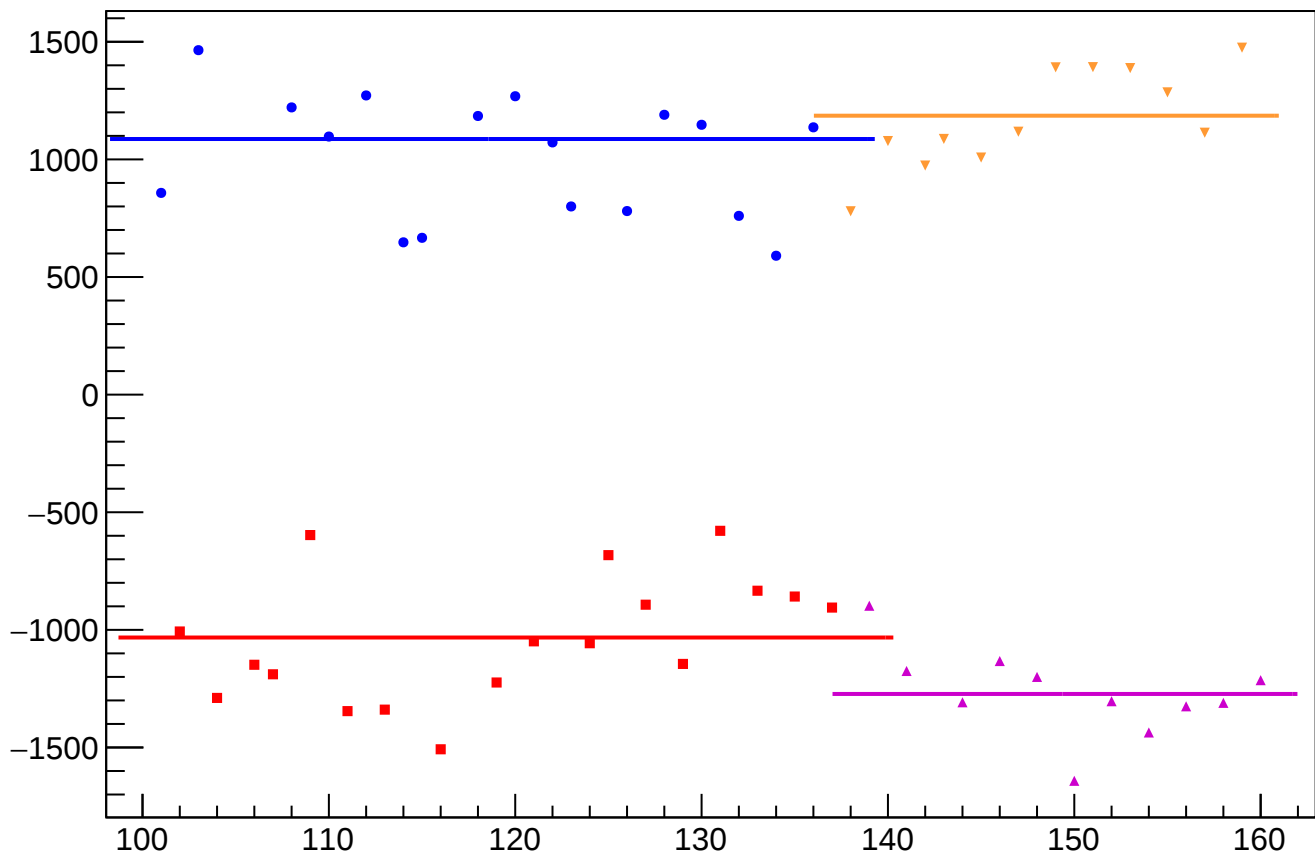
All: 1.559 $\pm$ 0.000 χ^2/NDF : 18644925895826

dit_4eX_coil3_err_mean vs Slug, Sign Corrected



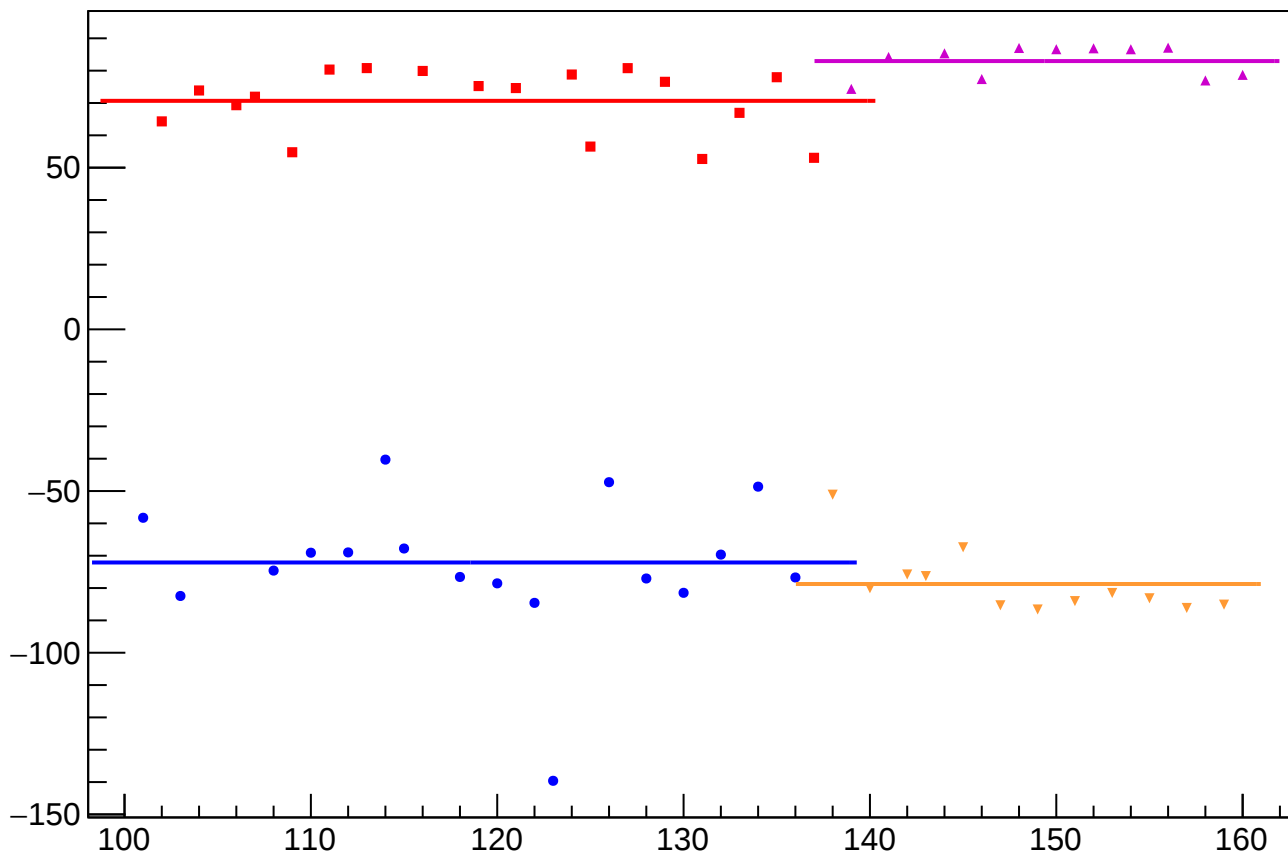
Right In: 2.726 $\pm$ 0.000 χ^2 /NDF: 4086214221048218627232910568062976.0/16
 Left Out: 2.204 $\pm$ 0.000 χ^2 /NDF: 64341762429168624767253736325120.0/11
 Right Out: -2.743 $\pm$ 0.000 χ^2 /NDF: 3588318821230369709737363581698048.0/17
 Left In: -2.325 $\pm$ 0.000 χ^2 /NDF: 71570259822113159465865385607168.0/10
 All: -0.072 $\pm$ 0.000 χ^2 /NDF: 2778523853871

dit_4eX_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695 ± 0.000 $\chi^2/\text{NDF}: 34612834720892896264590202148866752512.0/16$
 Left Out: 1185.823 ± 0.000 $\chi^2/\text{NDF}: 37557683033316568818198536296895348736.0/11$
 Right Out: -1032.544 ± 0.000 $\chi^2/\text{NDF}: 47614887029691398867923382029973979136.0/17$
 Left In: -1272.495 ± 0.000 $\chi^2/\text{NDF}: 29878198288838193261445678233542459392.0/10$
 All: -28.738 ± 0.000 $\chi^2/\text{NDF}: 451779050699$

dit_11X12X_coil3_mean vs Slug, Sign Corrected



Right In: -72.094+/-0.000

Left Out: -78.747+/-0.000

Right Out: 70.666+/-0.000

Left In: 82.966+/-0.000

χ^2/NDF : 103075229118962583323813478911705088.0/16

χ^2/NDF : 90789525072060271629933547446337536.0/11

χ^2/NDF : 63521582322355548765057214851317760.0/17

χ^2/NDF : 20132204805005576765090308057726976.0/10

Left: 3.163+/-0.000 χ^2/NDF : 121514630623973577

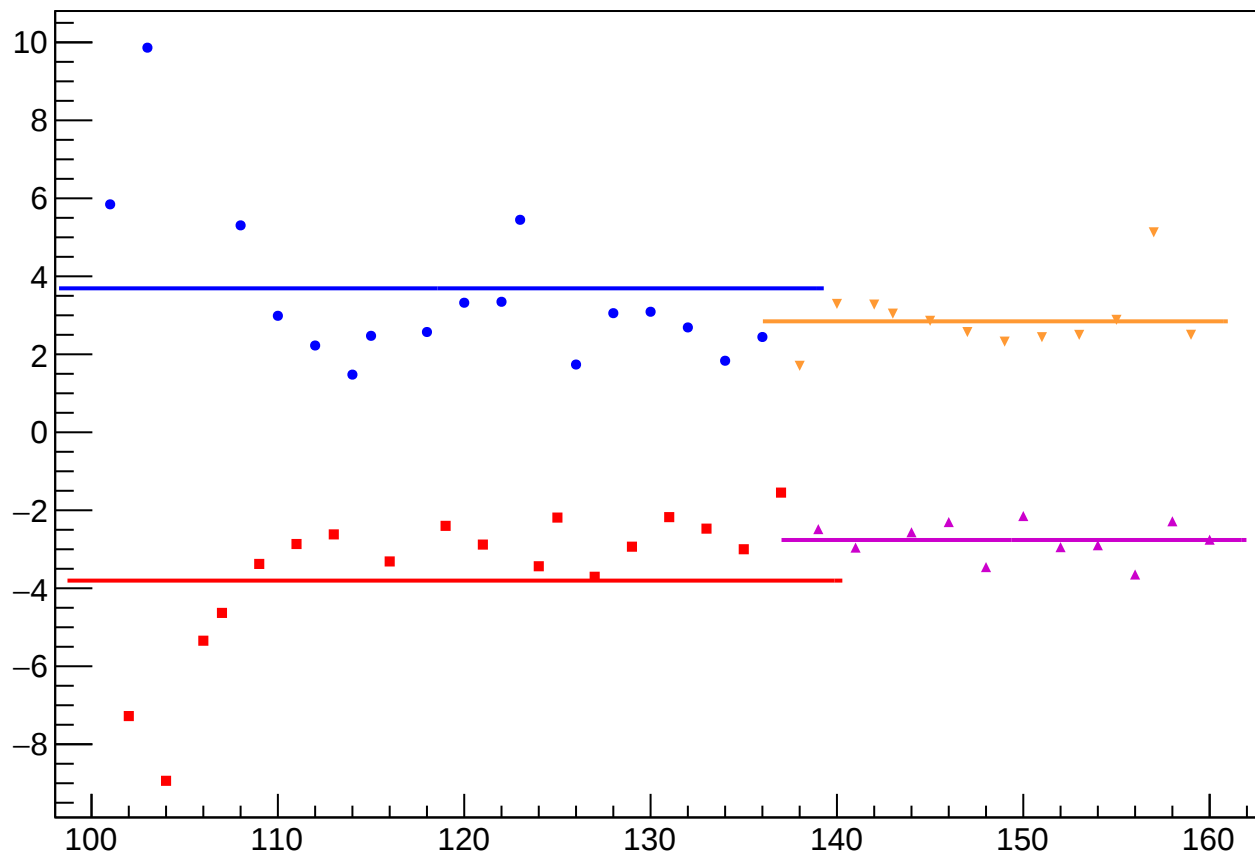
Right: 0.350+/-0.000 χ^2/NDF : 73439703870243937

In: 16.825+/-0.000 χ^2/NDF : 969185214083124883

Out: -12.965+/-0.000 χ^2/NDF : 9088636666541269

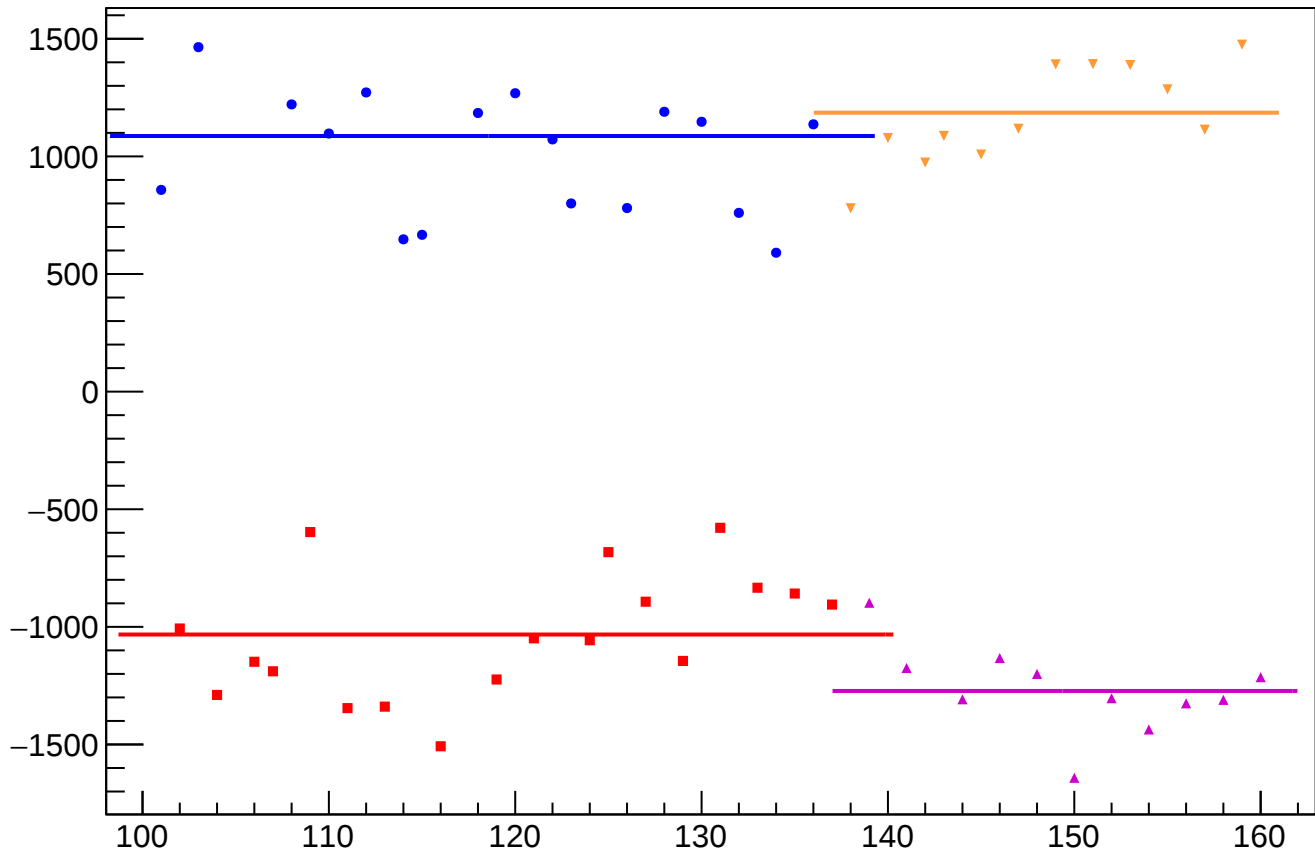
All: 1.944+/-0.000 χ^2/NDF : 19501749782083

dit_11X12X_coil3_err_mean vs Slug, Sign Corrected



Right In: 3.692 ± 0.000 χ^2/NDF : 3355971788555014480502828790972416.0/16
 Left Out: 2.846 ± 0.000 χ^2/NDF : 575629369641168831235561749479424.0/11
 Right Out: -3.803 ± 0.000 χ^2/NDF : 2825063553426013260614294392799232.0/17
 Left In: -2.762 ± 0.000 χ^2/NDF : 191371961737300564635223748247552.0/10
 All: -0.045 ± 0.000 χ^2/NDF : 4121907828057

dit_11X12X_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695+/-0.000

χ^2/NDF : 34612834720892896264590202148866752512.0/16

Left Out: 1185.823+/-0.000

χ^2/NDF : 37557683033316568818198536296895348736.0/11

Right Out: -1032.544+/-0.000

χ^2/NDF : 47614887029691398867923382029973979136.0/17

Left In: -1272.495+/-0.000

χ^2/NDF : 29878198288838193261445678233542459392.0/10

Left: -59.351+/-0.000 χ^2/NDF : 2849915835351934

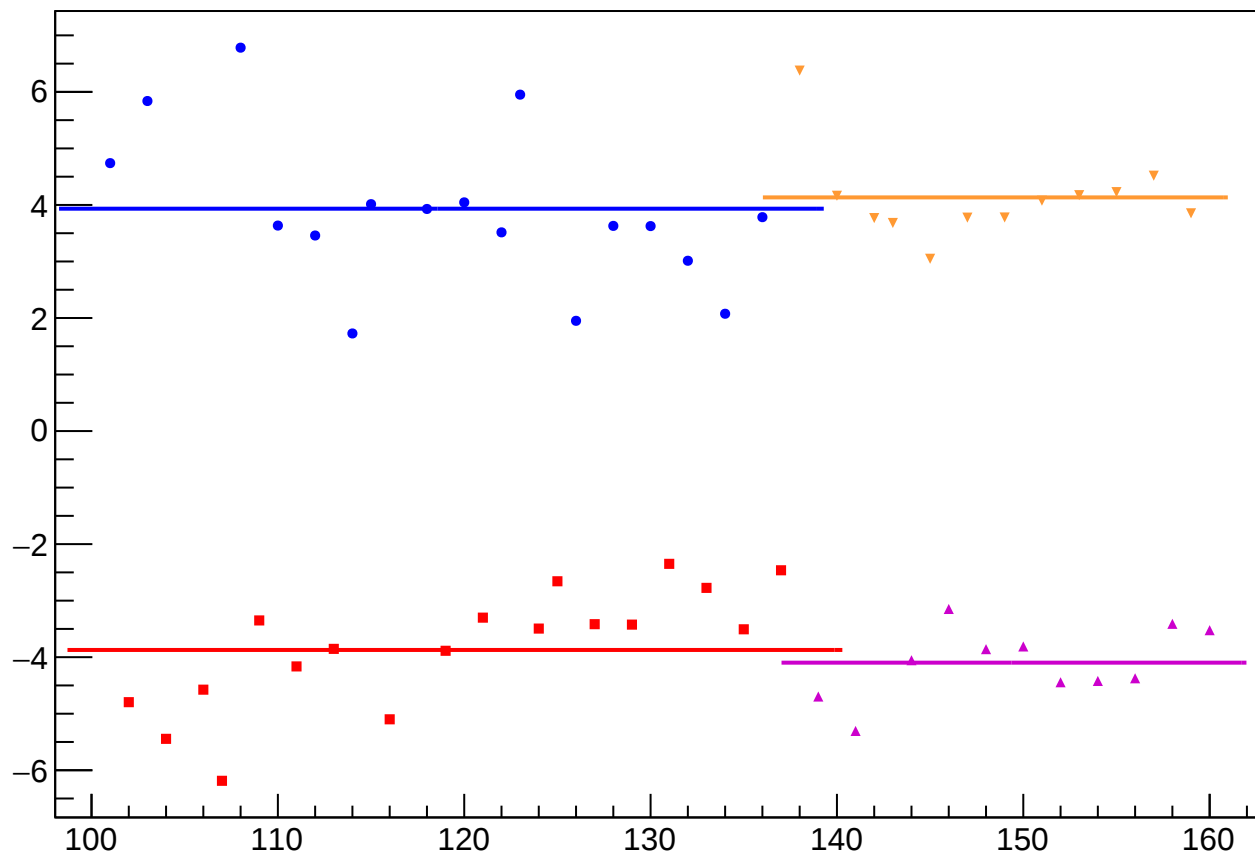
Right: 11.282+/-0.000 χ^2/NDF : 1663891694726158

In: -266.178+/-0.000 χ^2/NDF : 2279519380852013

Out: 209.140+/-0.000 χ^2/NDF : 2054648458206867

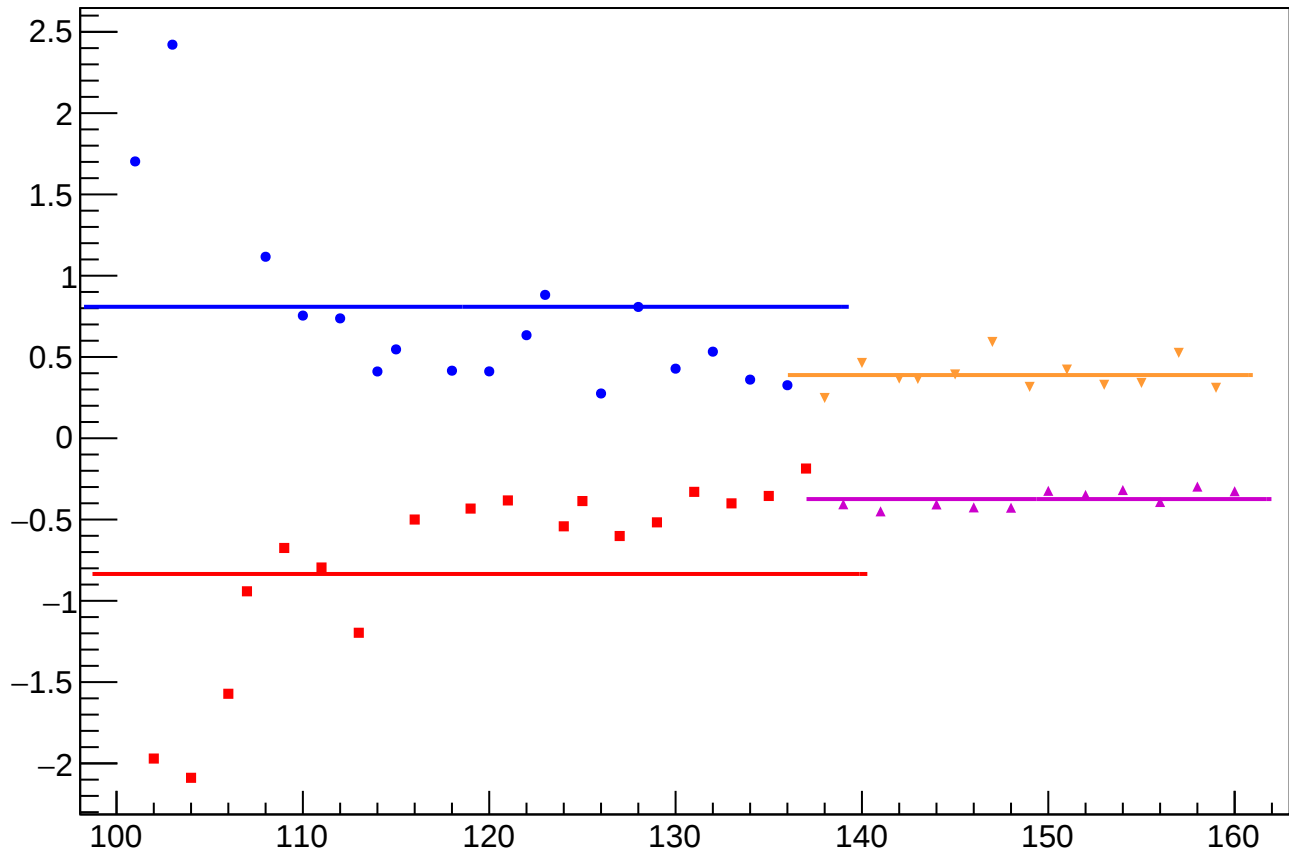
All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_4aY_coil3_mean vs Slug, Sign Corrected



Right In: 3.934 ± 0.000 $\chi^2/\text{NDF}: 937288717449166058748009299050496.0/16$
 Left Out: 4.134 ± 0.000 $\chi^2/\text{NDF}: 543238329499438777000735270764544.0/11$
 Right Out: -3.872 ± 0.000 $\chi^2/\text{NDF}: 707048075514761321683781922324480.0/17$
 Left In: -4.097 ± 0.000 $\chi^2/\text{NDF}: 331914558071256071482746481934336.0/10$
 All: -0.032 ± 0.000 $\chi^2/\text{NDF}: 5516958572144$

dit_4aY_coil3_err_mean vs Slug, Sign Corrected



Right In: 0.809+/-0.000

χ^2/NDF : 269169890346681229126320544284672.0/16

Left Out: 0.389+/-0.000

χ^2/NDF : 8197684990804317089776046964736.0/11

Right Out: -0.835+/-0.000

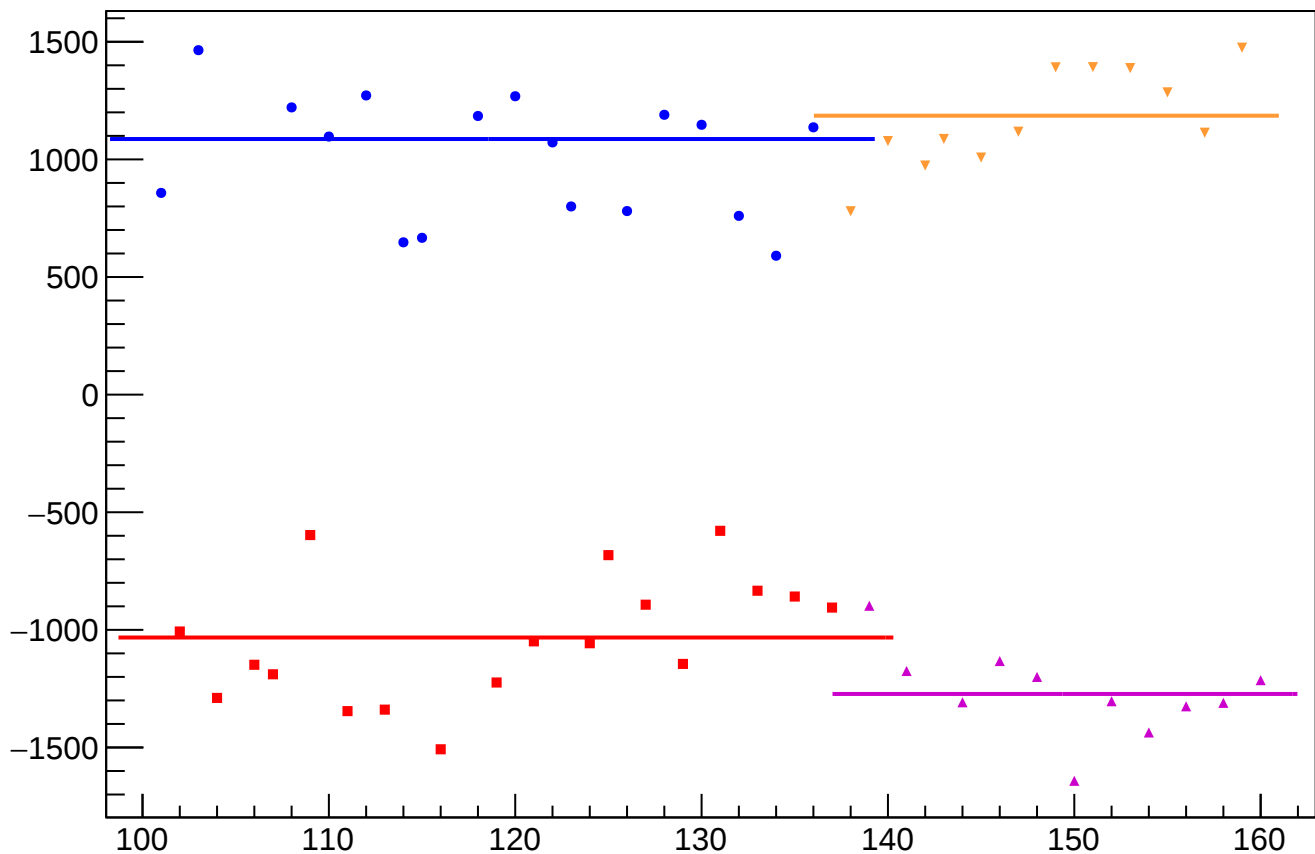
χ^2/NDF : 250373306610542576736300880101376.0/17

Left In: -0.374+/-0.000

χ^2/NDF : 2379461607366055456140660047872.0/10

All: -0.010+/-0.000 χ^2/NDF : 1749999072867

dit_4aY_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695 $\pm$ 0.000

χ^2/NDF : 34612834720892896264590202148866752512.0/16

Left Out: 1185.823 $\pm$ 0.000

χ^2/NDF : 37557683033316568818198536296895348736.0/11

Right Out: -1032.544 $\pm$ 0.000

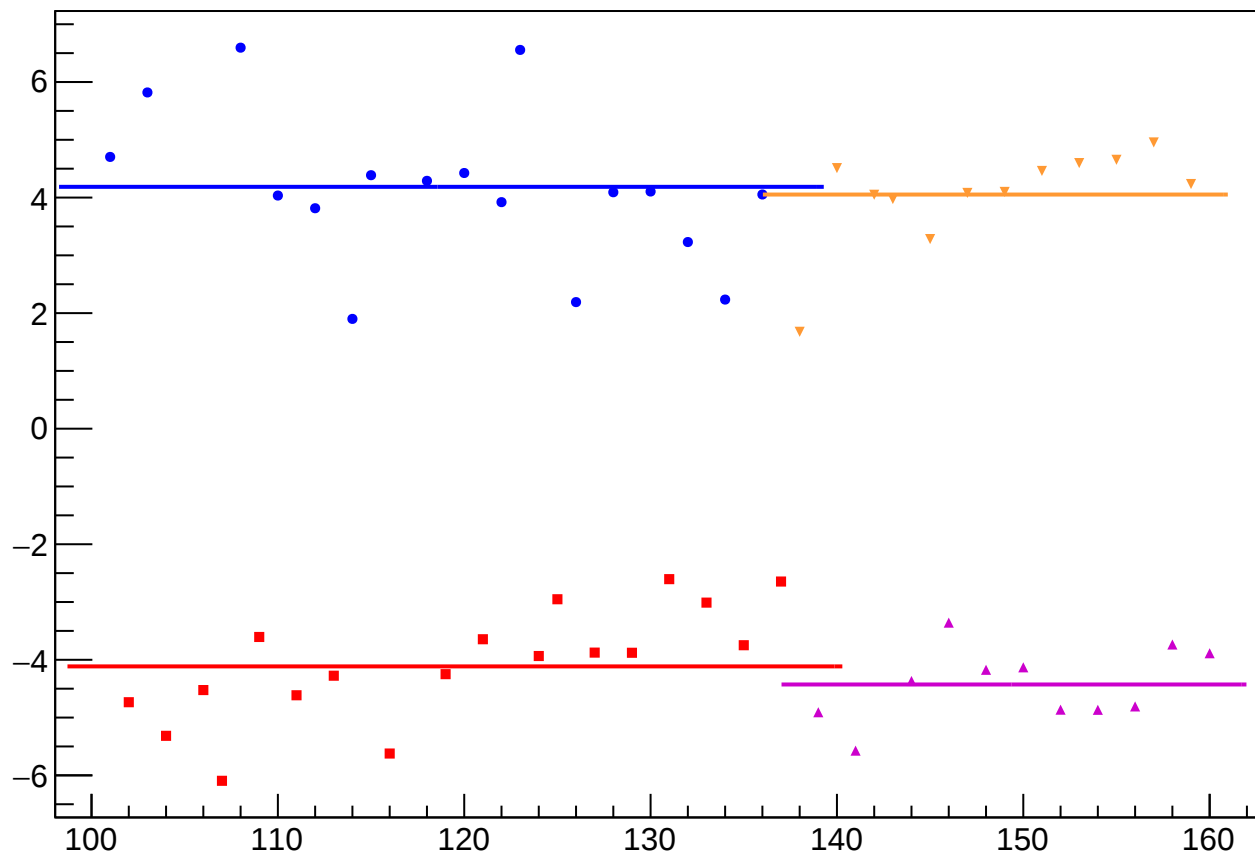
χ^2/NDF : 47614887029691398867923382029973979136.0/17

Left In: -1272.495 $\pm$ 0.000

χ^2/NDF : 29878198288838193261445678233542459392.0/10

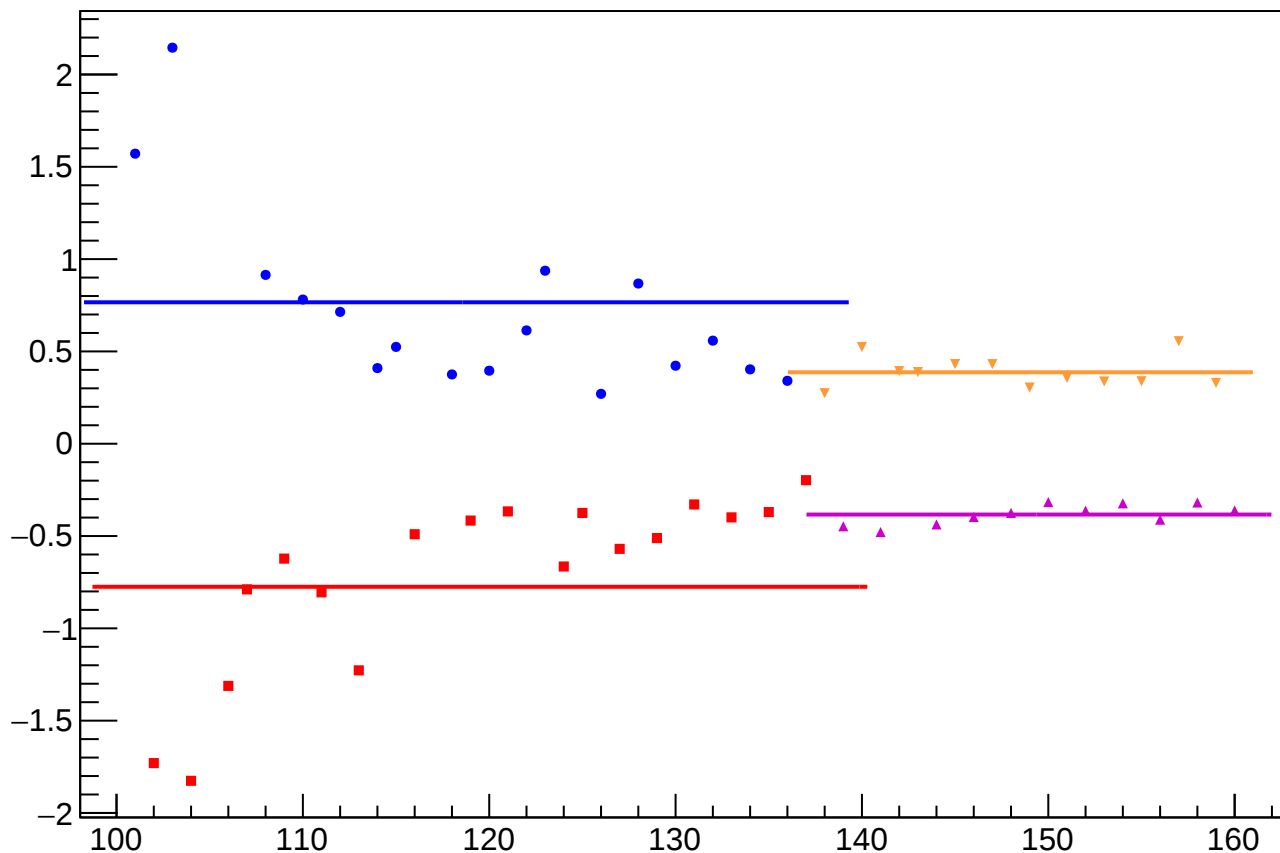
Left: -59.351 $\pm$ 0.000 χ^2/NDF : 2849915835351934
 Right: 11.282 $\pm$ 0.000 χ^2/NDF : 1663891694726158
 In: -266.178 $\pm$ 0.000 χ^2/NDF : 2279519380852013
 Out: 209.140 $\pm$ 0.000 χ^2/NDF : 2054648458206867
 All: -28.738 $\pm$ 0.000 χ^2/NDF : 451779050699

dit_4eY_coil3_mean vs Slug, Sign Corrected



Right In: 4.186 ± 0.000 $\chi^2/\text{NDF}: 774445398310846770950220892078080.0/16$
 Left Out: 4.052 ± 0.000 $\chi^2/\text{NDF}: 634098515145798855261076427112448.0/11$
 Right Out: -4.114 ± 0.000 $\chi^2/\text{NDF}: 573990867601521273238766982529024.0/17$
 Left In: -4.427 ± 0.000 $\chi^2/\text{NDF}: 347229155799314771034943134892032.0/10$
 All: -0.149 ± 0.000 $\chi^2/\text{NDF}: 5973666068557$

dit_4eY_coil3_err_mean vs Slug, Sign Corrected



Left: -0.003 +/- 0.000 χ^2/NDF : 28234003869756828

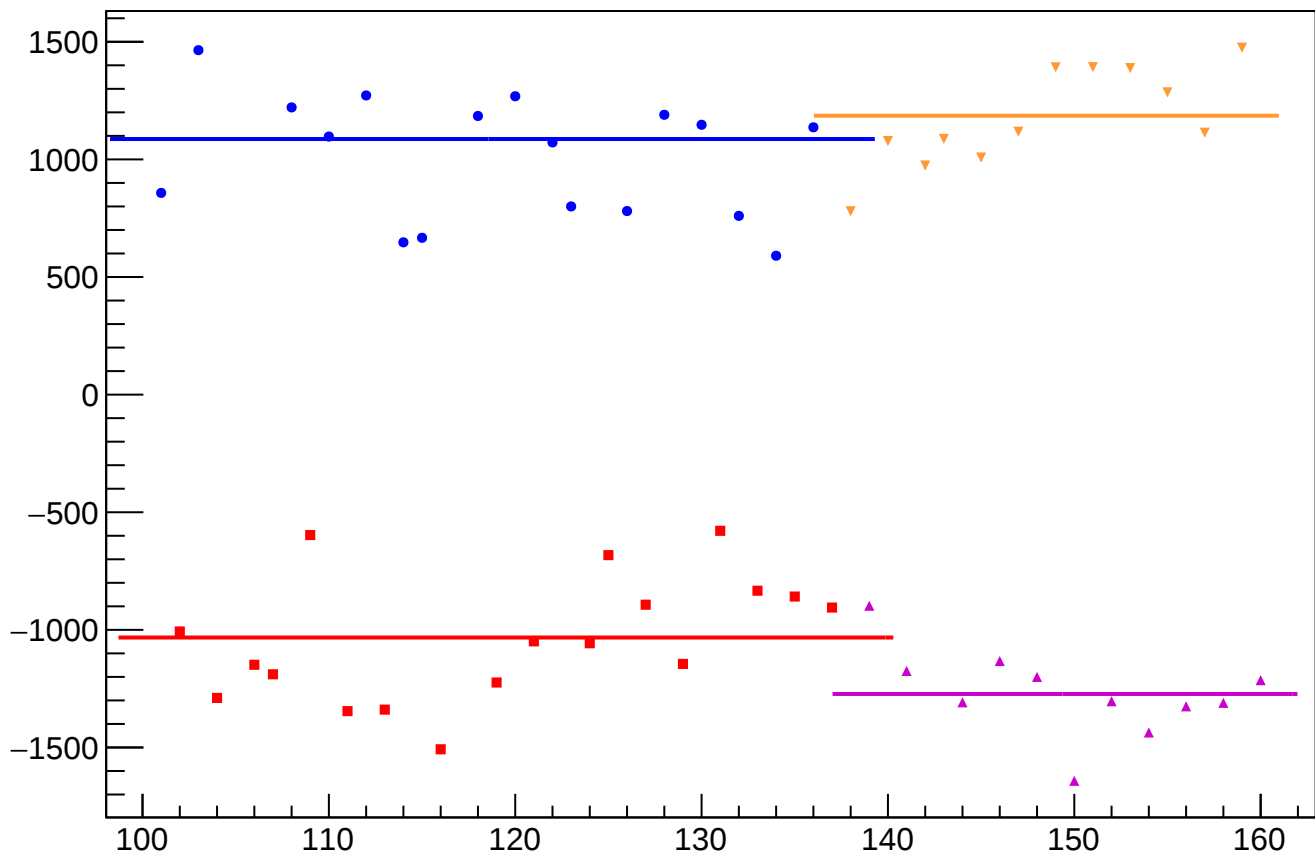
Right: -0.016 +/- 0.000 χ^2/NDF : 1223294668378502

In: 0.107 +/- 0.000 χ^2/NDF : 7334405883995383067

Out: -0.124 +/- 0.000 χ^2/NDF : 72885417762251347

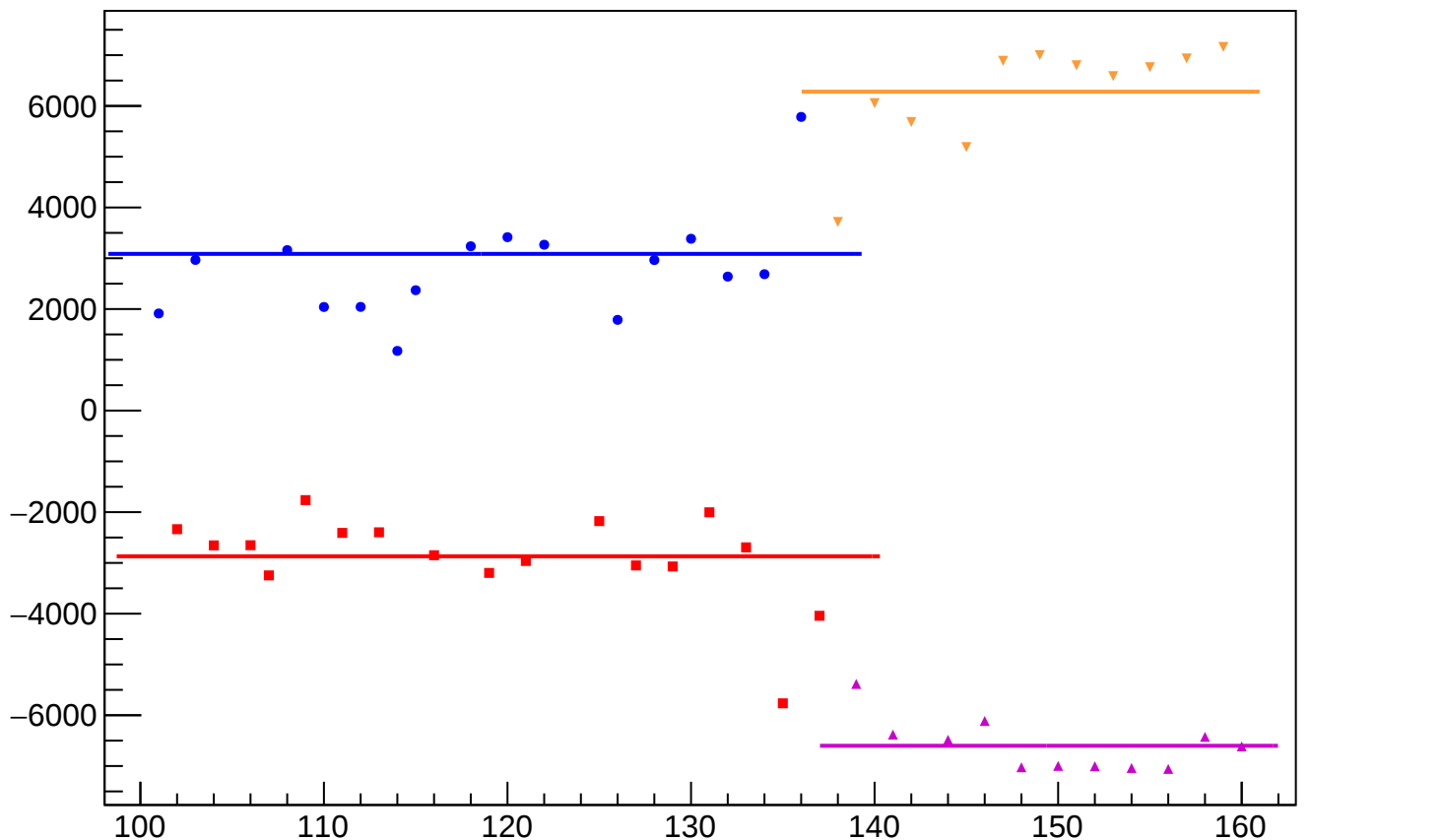
All: -0.009 +/- 0.000 χ^2/NDF : 1505760891115

dit_4eY_coil3_Ndata_mean vs Slug, Sign Corrected



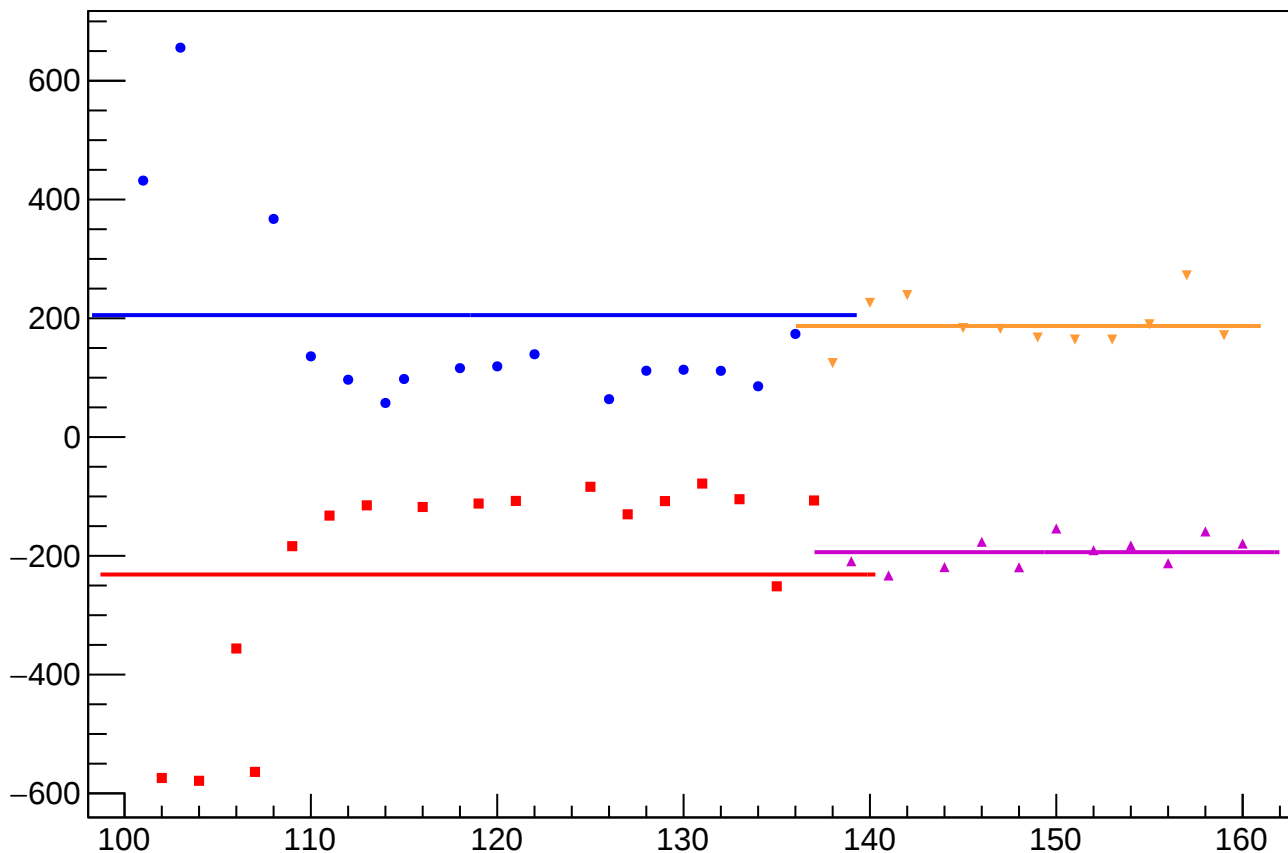
Right In: 1086.695+/-0.000 χ^2/NDF : 34612834720892896264590202148866752512.0/16
 Left Out: 1185.823+/-0.000 χ^2/NDF : 37557683033316568818198536296895348736.0/11
 Right Out: -1032.544+/-0.000 χ^2/NDF : 47614887029691398867923382029973979136.0/17
 Left In: -1272.495+/-0.000 χ^2/NDF : 29878198288838193261445678233542459392.0/10
 All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_usl_coil3_mean vs Slug, Sign Corrected



Right In: 3086.294+/-0.000 χ^2/NDF : 957872647656521012418983150086021709824.0/15
 Left Out: 6281.054+/-0.000 χ^2/NDF : 840424812990698239150116446510170243072.0/10
 Right Out: -2869.332+/-0.000 χ^2/NDF : 591237562305543847323062569482235936768.0/16
 Left In: -6601.570+/-0.000 χ^2/NDF : 224954235143433170053737939603445252096.0/10
 All: -237.674+/-0.000 χ^2/NDF : 88658508378

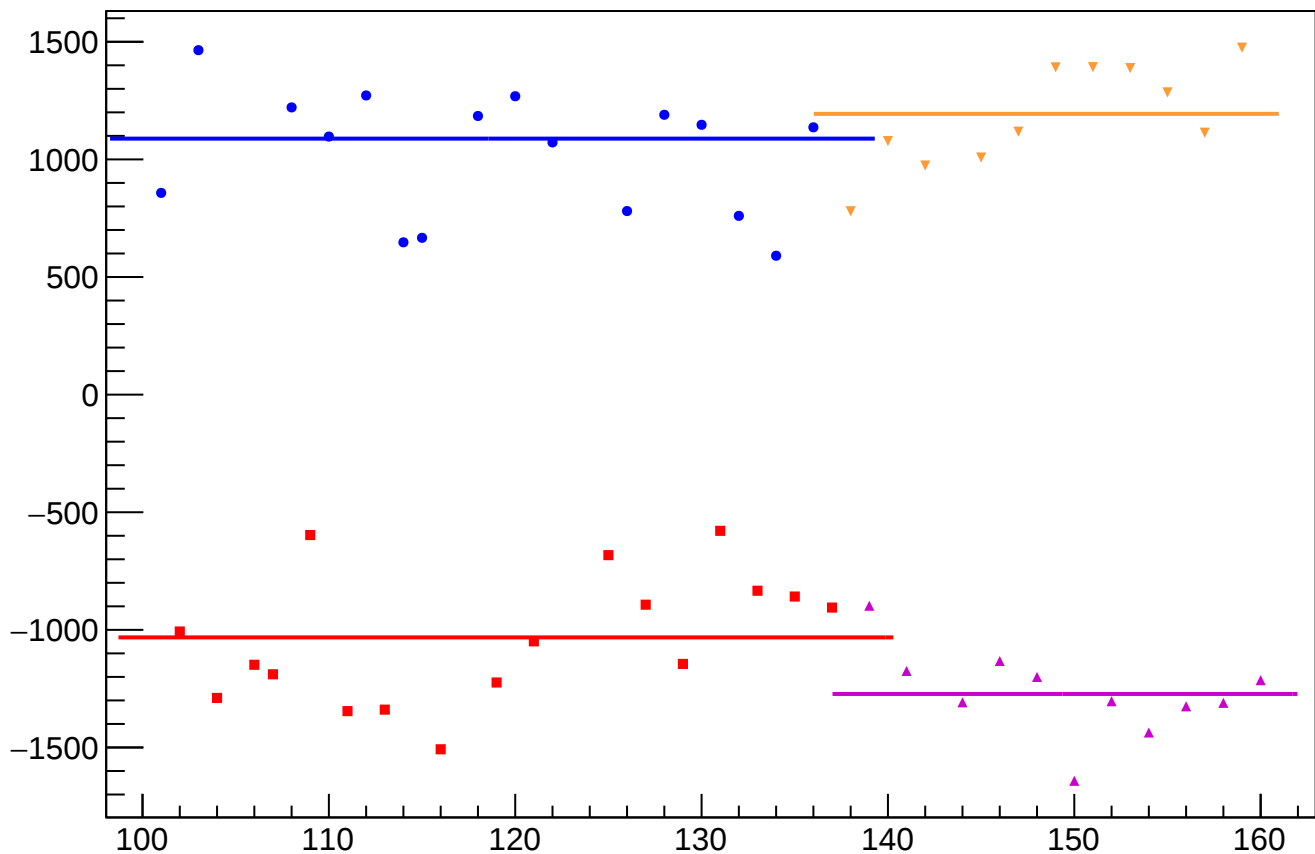
dit_usl_coil3_err_mean vs Slug, Sign Corrected



Left: -13.162 +/- 0.000 χ^2/NDF : 6602979592425474
 Right: -14.770 +/- 0.000 χ^2/NDF : 110839210771107
 In: -24.127 +/- 0.000 χ^2/NDF : 84295315257804686
 Out: -3.078 +/- 0.000 χ^2/NDF : 92225228487056361
 All: -13.868 +/- 0.000 χ^2/NDF : 176871022937

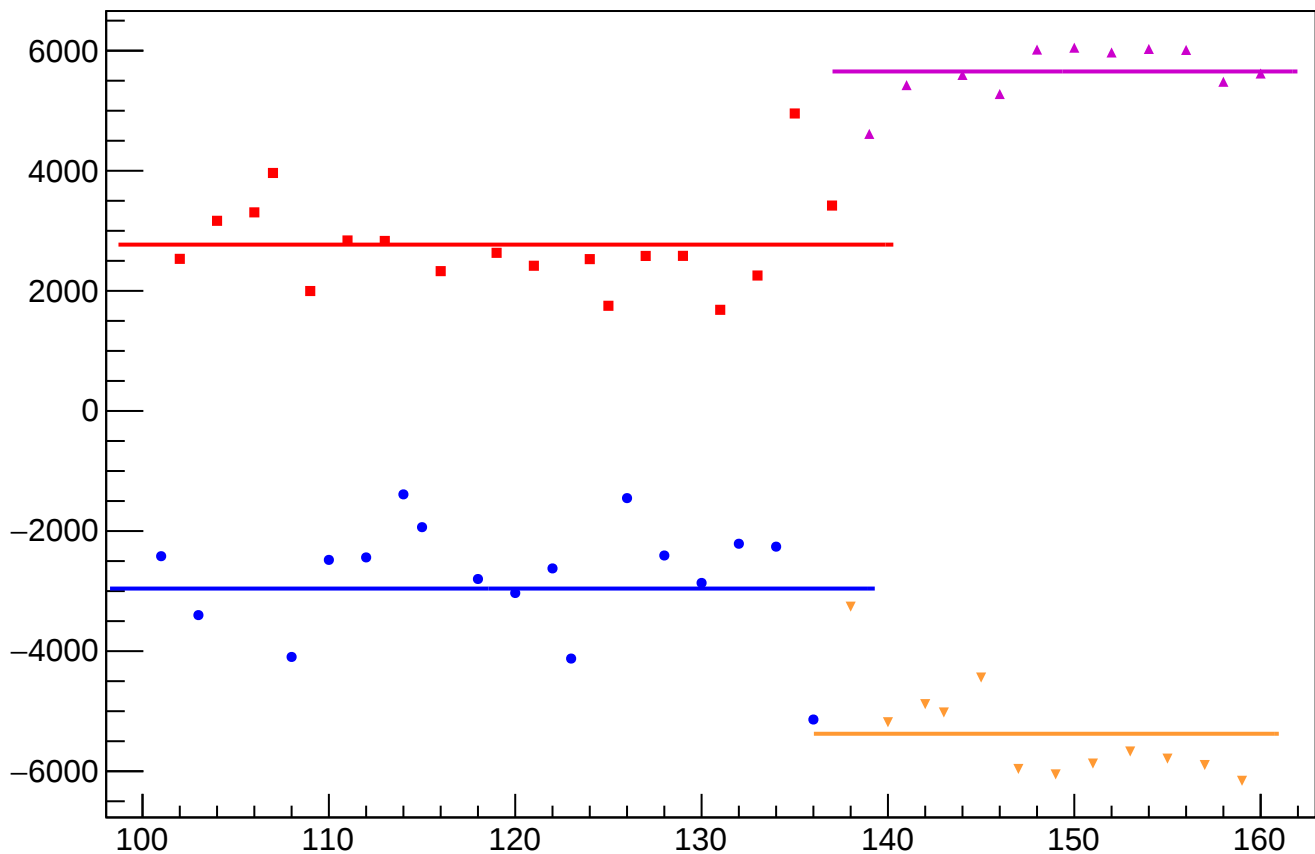
Right In: 205.364 +/- 0.000 χ^2/NDF : 20493668782682953984090808657754718208.0/15
 Left Out: 187.052 +/- 0.000 χ^2/NDF : 1231111224909573231836373521014980608.0/10
 Right Out: -231.450 +/- 0.000 χ^2/NDF : 23996601891457376807935240829130506240.0/16
 Left In: -193.848 +/- 0.000 χ^2/NDF : 586629985939156798428558842319077376.0/10

dit_usl_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1088.357+/-0.000 χ^2/NDF : 34282153777351983771685586546357960704.0/15
 Left Out: 1193.682+/-0.000 χ^2/NDF : 36852151008799488295542377563587346432.0/10
 Right Out: -1032.058+/-0.000 χ^2/NDF : 47606445983736508238206731798200713216.0/16
 Left In: -1272.495+/-0.000 χ^2/NDF : 29878198288838193261445678233542459392.0/10
 All: -48.852+/-0.000 χ^2/NDF : 441554871175

dit_usr_coil3_mean vs Slug, Sign Corrected



Right In: -2957.567+/-0.000

Left Out: -5375.695+/-0.000

Right Out: 2770.253+/-0.000

Left In: 5653.693+/-0.000

χ^2/NDF : 713909426456610215881026852236843548672.0/16

χ^2/NDF : 614970411401357250704026120645020483584.0/11

χ^2/NDF : 445434357481765841936850386629712412672.0/17

χ^2/NDF : 163388727247640022745164219494657163264.0/10

Left: 210.852+/-0.000 χ^2/NDF : 5678747648450613

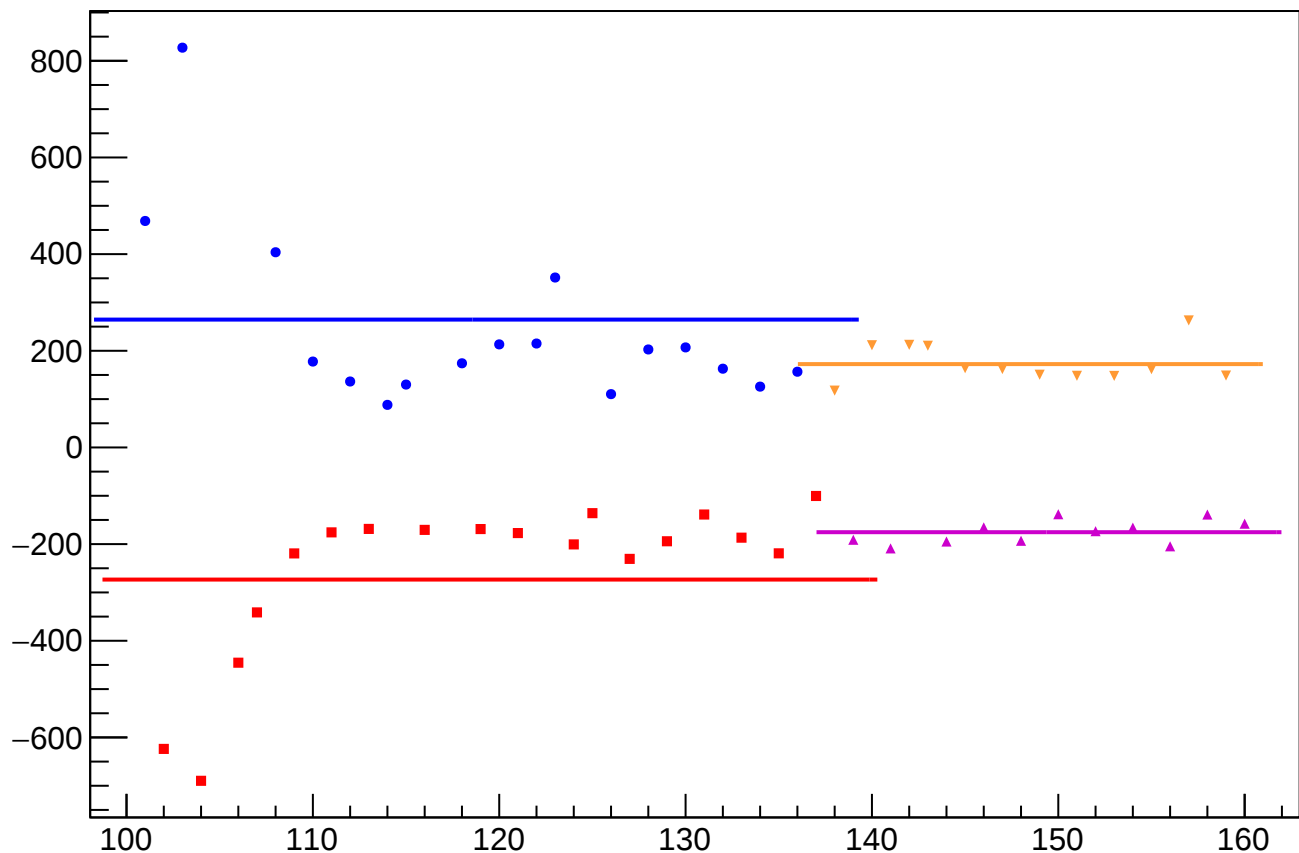
Right: -50.973+/-0.000 χ^2/NDF : 127133701983019

In: 1980.543+/-0.000 χ^2/NDF : 3038851116540527

Out: -1789.270+/-0.000 χ^2/NDF : 27616678894170

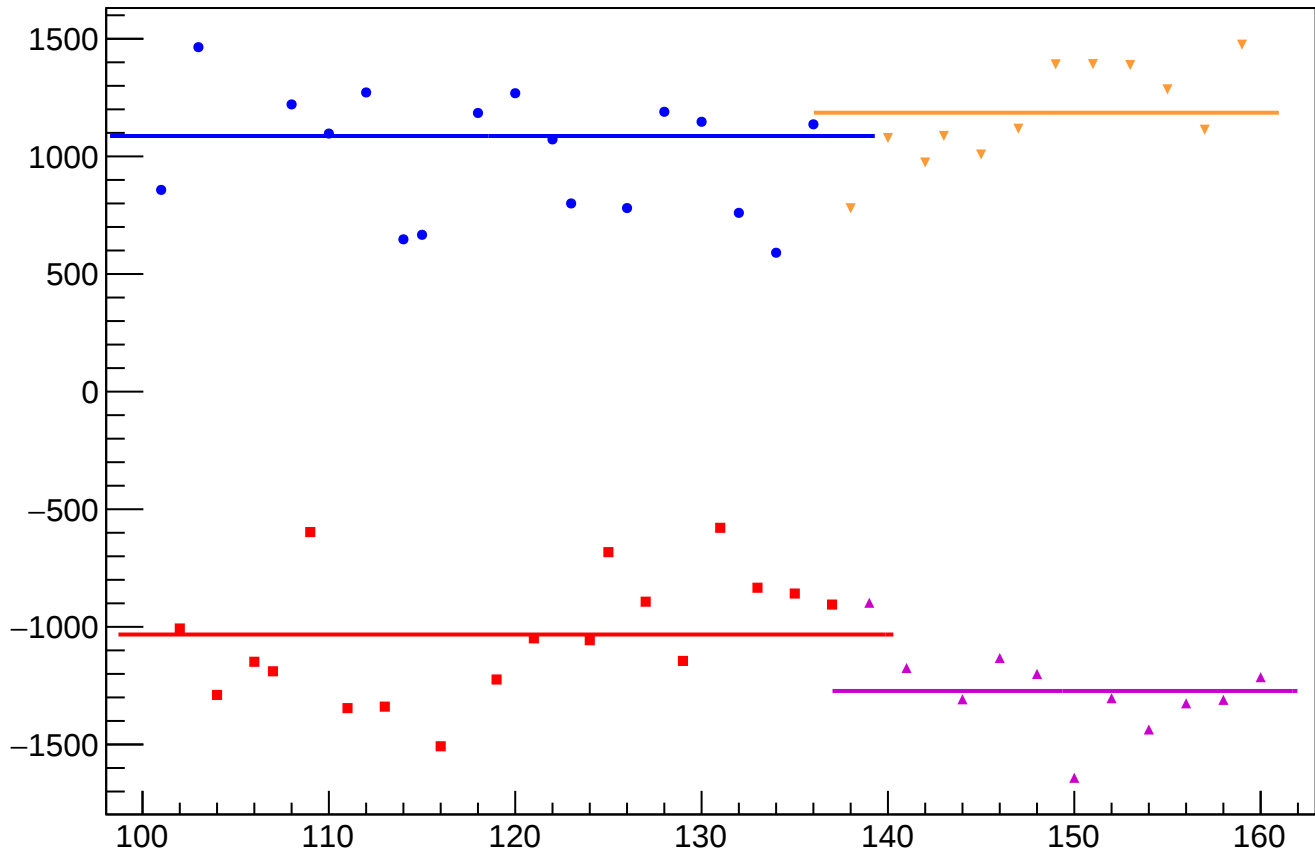
All: 97.376+/-0.000 χ^2/NDF : 6955557422403

dit_usr_coil3_err_mean vs Slug, Sign Corrected



Right In: 264.557+/-0.000	χ^2/NDF : 27392235444982313348552279916984401920.0/16	Left: -3.710+/-0.000	χ^2/NDF : 57555385532901862
Left Out: 172.461+/-0.000	χ^2/NDF : 1337859782705403198008239582328389632.0/11	Right: -8.418+/-0.000	χ^2/NDF : 1514037633807586
Right Out: -273.375+/-0.000	χ^2/NDF : 22103440288407609769259099140296540160.0/17	In: 12.294+/-0.000	χ^2/NDF : 104926377644840795
Left In: -175.349+/-0.000	χ^2/NDF : 519457890651720785160381502035329024.0/10	Out: -23.828+/-0.000	χ^2/NDF : 1029900362391894
	All: -5.750+/-0.000		χ^2/NDF : 2089768409567

dit_usr_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695+/-0.000

χ^2/NDF : 34612834720892896264590202148866752512.0/16

Left Out: 1185.823+/-0.000

χ^2/NDF : 37557683033316568818198536296895348736.0/11

Right Out: -1032.544+/-0.000

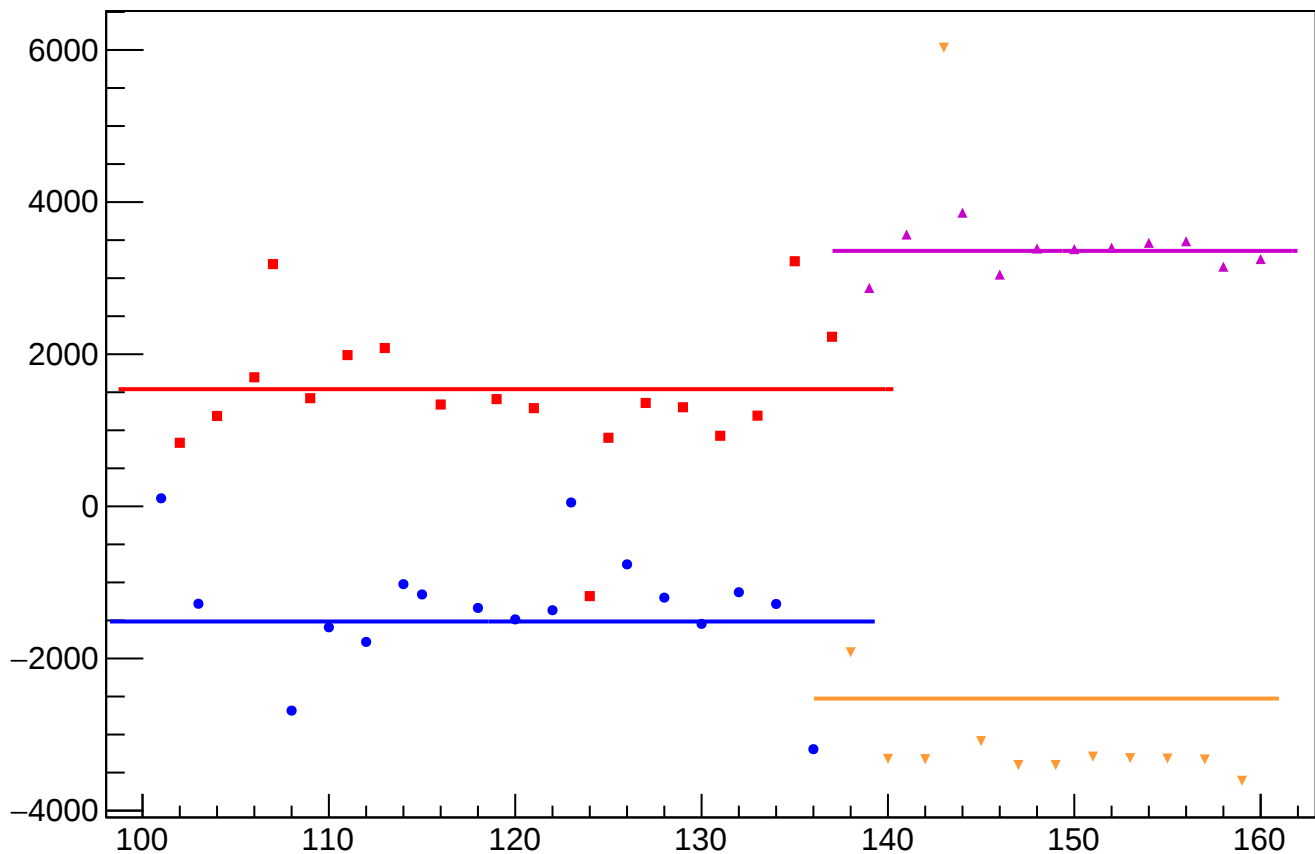
χ^2/NDF : 47614887029691398867923382029973979136.0/17

Left In: -1272.495+/-0.000

χ^2/NDF : 29878198288838193261445678233542459392.0/10

All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_atl1_coil3_mean vs Slug, Sign Corrected



Right In: -1513.653 +/- 0.000

Left Out: -2527.006 +/- 0.000

Right Out: 1540.621 +/- 0.000

Left In: 3358.797 +/- 0.000

Left: 454.239 +/- 0.000 χ^2/NDF : 2146217616354959

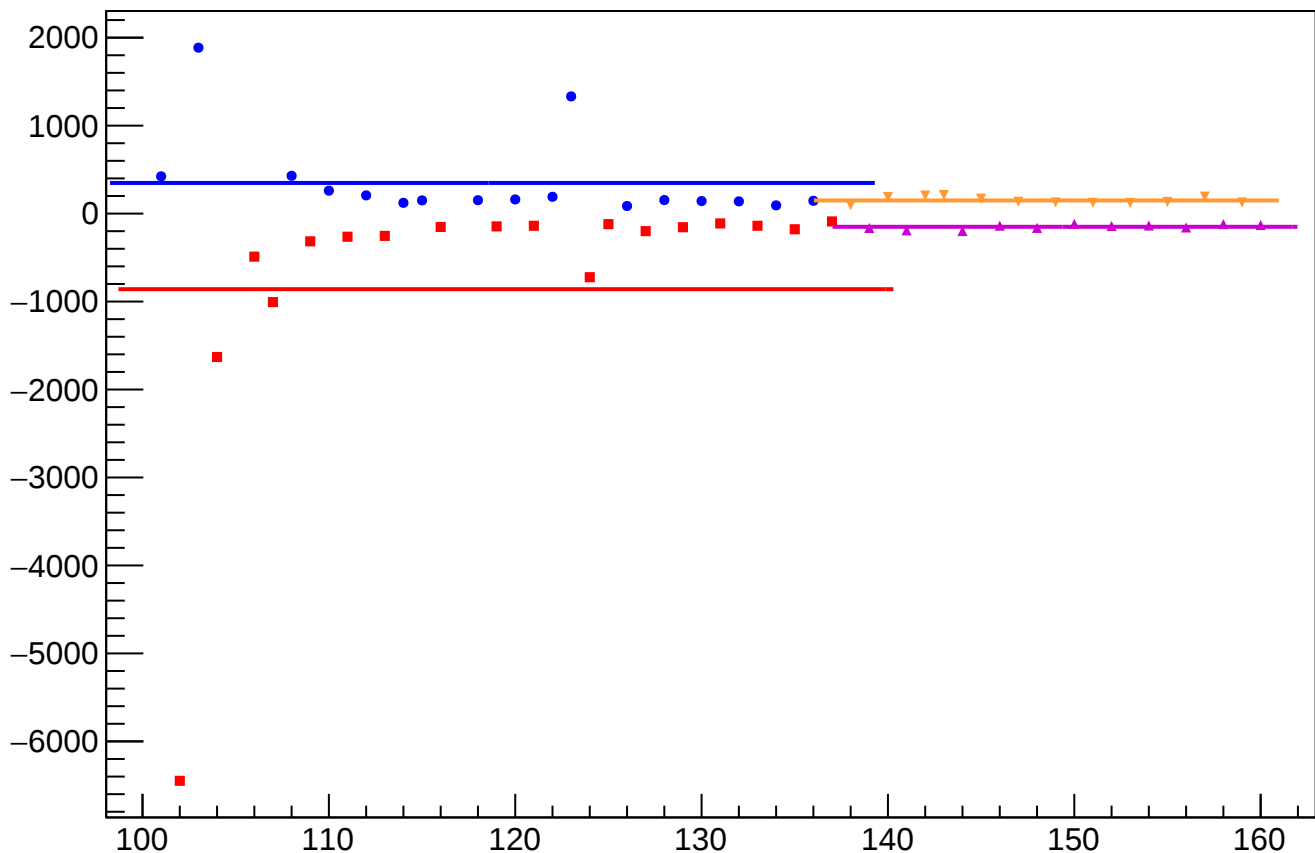
Right: 36.245 +/- 0.000 χ^2/NDF : 4245699622257131

In: 1280.444 +/- 0.000 χ^2/NDF : 100231179905351

Out: -736.148 +/- 0.000 χ^2/NDF : 125190807044602

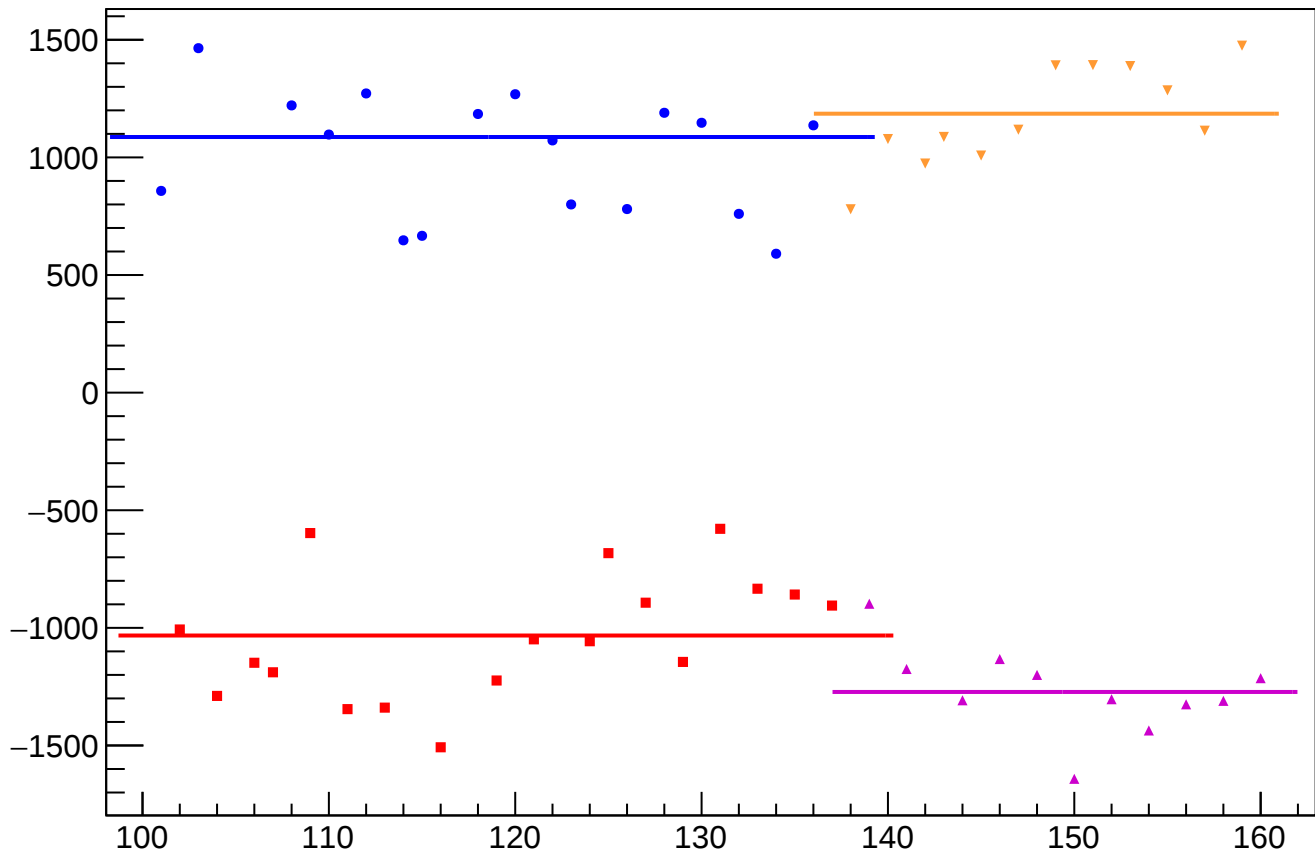
All: 273.078 +/- 0.000 χ^2/NDF : 258473599670

dit_atl1_coil3_err_mean vs Slug, Sign Corrected



Right In: 348.444+/-0.000 χ^2/NDF : 164421878122610355371654497383202422784.0/16
 Left Out: 149.175+/-0.000 χ^2/NDF : 1154008557616927305320355624438988800.0/11
 Right Out: -859.360+/-0.000 χ^2/NDF : 2089894584846900651264019930845330538496.0/17
 Left In: -149.996+/-0.000 χ^2/NDF : 634211210391111193289402478351089664.0/10
 All: -115.955+/-0.000 χ^2/NDF : 28659014260

dit_atl1_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695+/-0.000

χ^2/NDF : 34612834720892896264590202148866752512.0/16

Left Out: 1185.823+/-0.000

χ^2/NDF : 37557683033316568818198536296895348736.0/11

Right Out: -1032.544+/-0.000

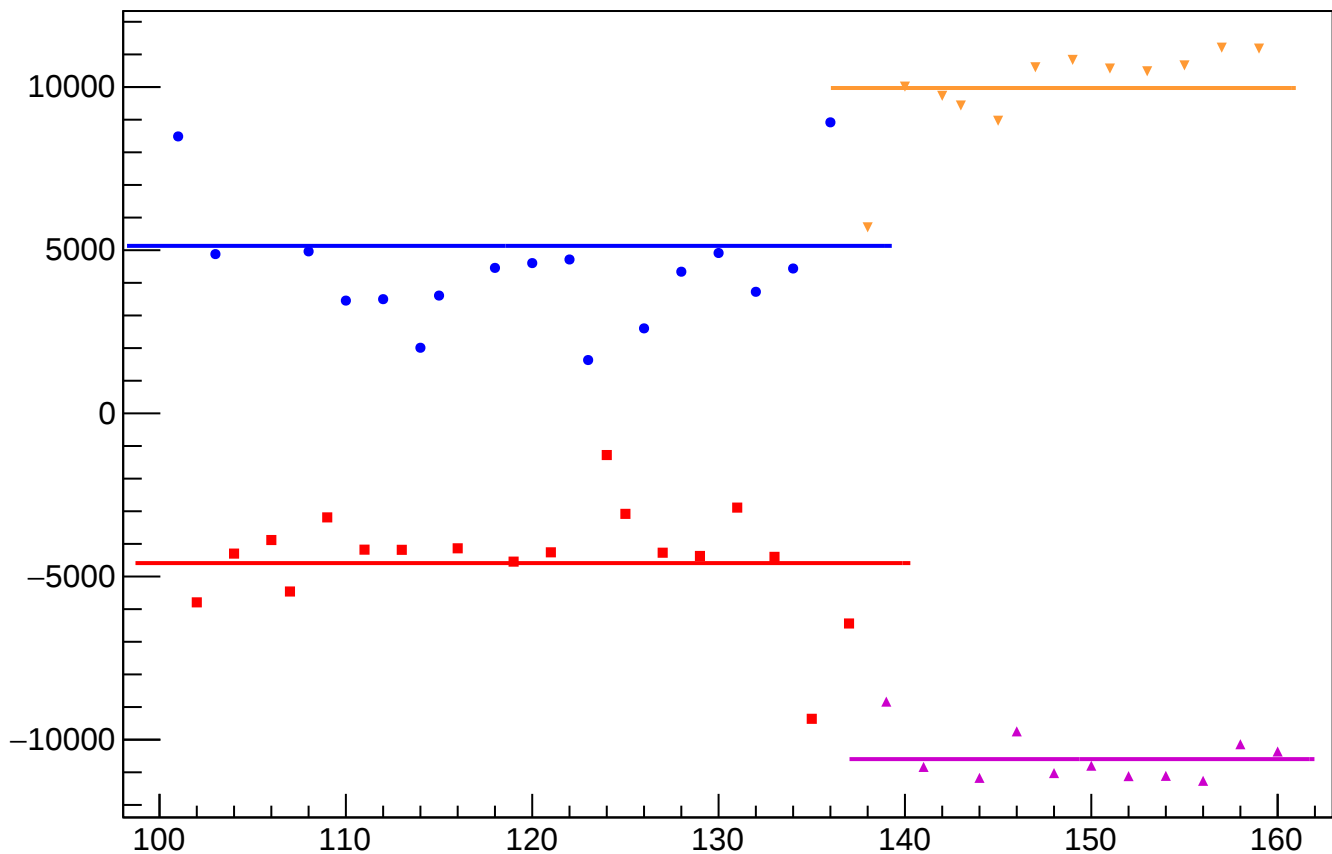
χ^2/NDF : 47614887029691398867923382029973979136.0/17

Left In: -1272.495+/-0.000

χ^2/NDF : 29878198288838193261445678233542459392.0/10

All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_atl2_coil3_mean vs Slug, Sign Corrected



Right In: 5133.097 $\pm$ 0.000

χ^2/NDF : 2783606731789543492542627200033364115456.0/16

Left Out: 9970.965 $\pm$ 0.000

χ^2/NDF : 1934561351581385388949199210125109231616.0/11

Right Out: -4588.565 $\pm$ 0.000

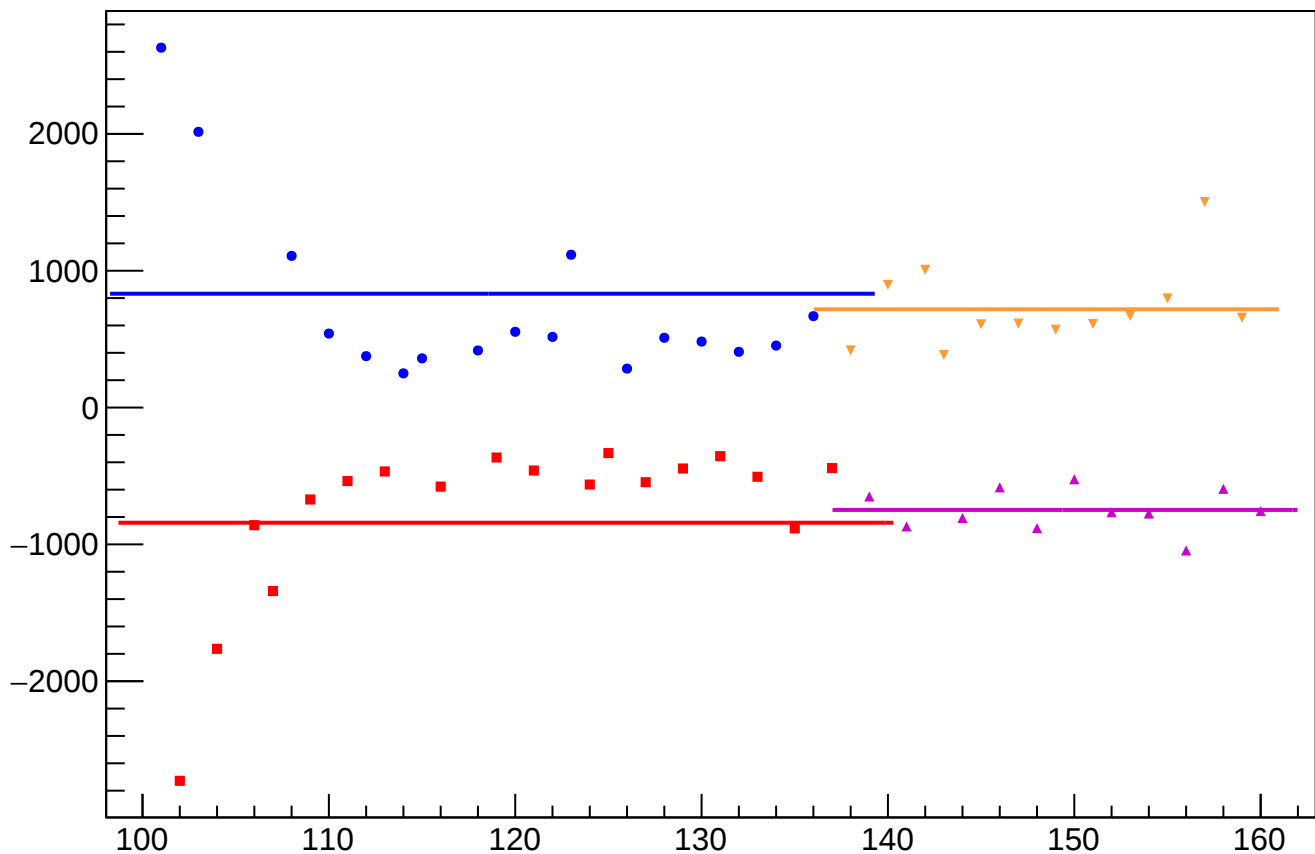
χ^2/NDF : 1762679658137517030098233744958039261184.0/17

Left In: -10595.738 $\pm$ 0.000

χ^2/NDF : 468576856430233997179123685345978220544.0/10

All: -166.309 $\pm$ 0.000 χ^2/NDF : 23532028445

dit_atl2_coil3_err_mean vs Slug, Sign Corrected



Right In: 831.957+/-0.000

χ^2/NDF : 349451729062960856481628082238677581824.0/16

Left Out: 718.149+/-0.000

χ^2/NDF : 71937620206312488089989876430797799424.0/11

Right Out: -841.697+/-0.000

χ^2/NDF : 327194571788790762884924618221350289408.0/17

Left In: -748.248+/-0.000

χ^2/NDF : 19684275040316832189212720213180547072.0/10

Left: -24.603+/-0.000 χ^2/NDF : 1081677196485158

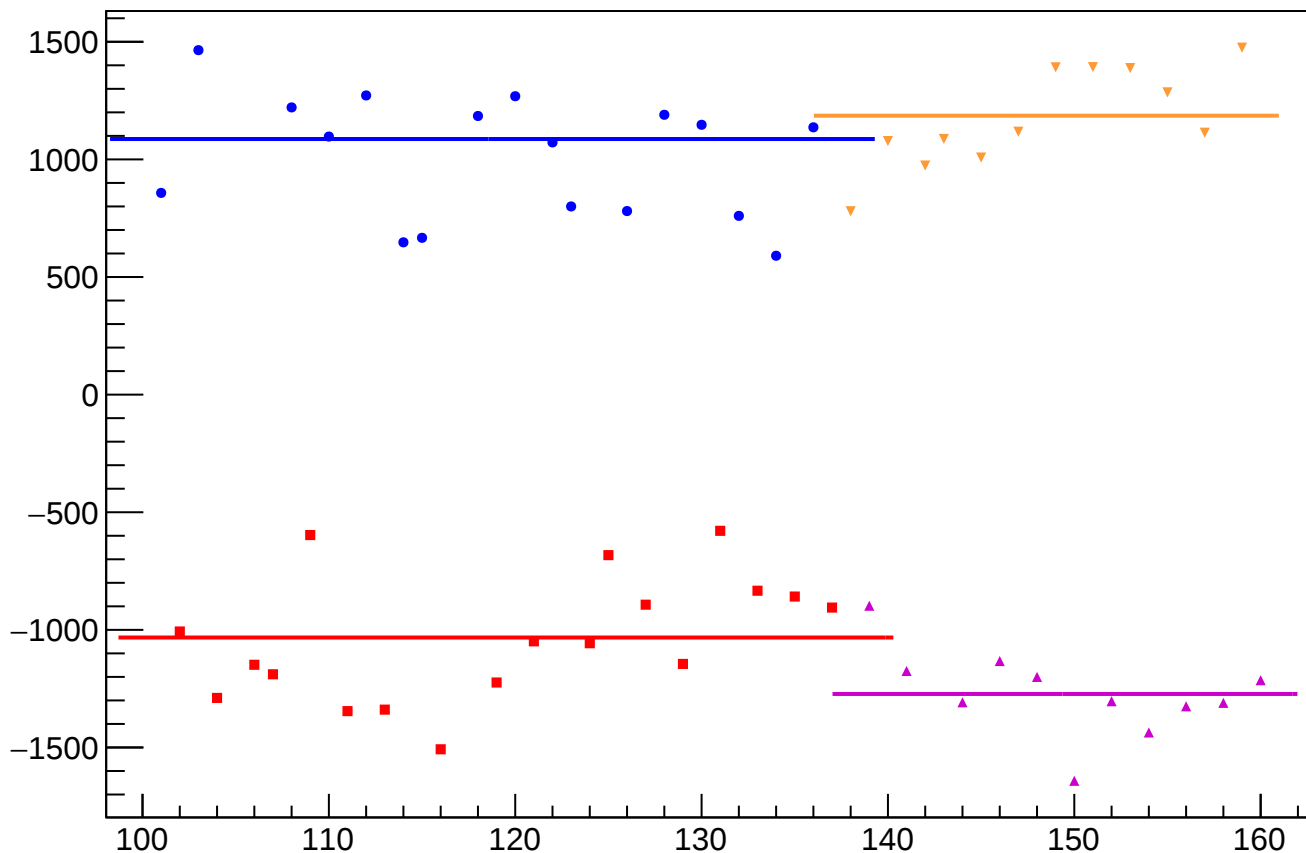
Right: -17.342+/-0.000 χ^2/NDF : 166312131031123

In: -74.209+/-0.000 χ^2/NDF : 13628941375185424

Out: 31.394+/-0.000 χ^2/NDF : 13728826977796212

All: -21.456+/-0.000 χ^2/NDF : 274484058826

dit_atl2_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695+/-0.000

χ^2/NDF : 34612834720892896264590202148866752512.0/16

Left Out: 1185.823+/-0.000

χ^2/NDF : 37557683033316568818198536296895348736.0/11

Right Out: -1032.544+/-0.000

χ^2/NDF : 47614887029691398867923382029973979136.0/17

Left In: -1272.495+/-0.000

χ^2/NDF : 29878198288838193261445678233542459392.0/10

Left: -59.351+/-0.000 χ^2/NDF : 2849915835351934

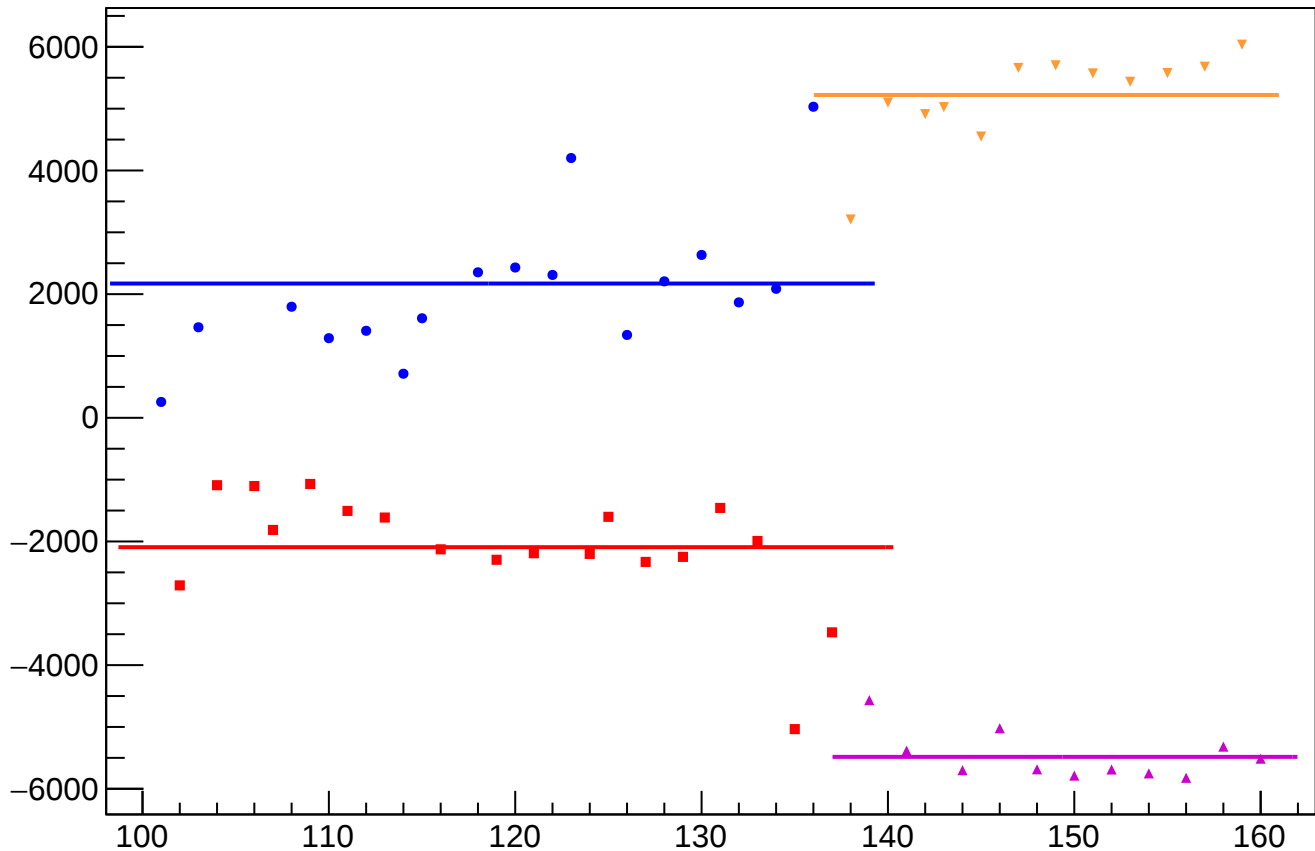
Right: 11.282+/-0.000 χ^2/NDF : 1663891694726158

In: -266.178+/-0.000 χ^2/NDF : 2279519380852013

Out: 209.140+/-0.000 χ^2/NDF : 2054648458206867

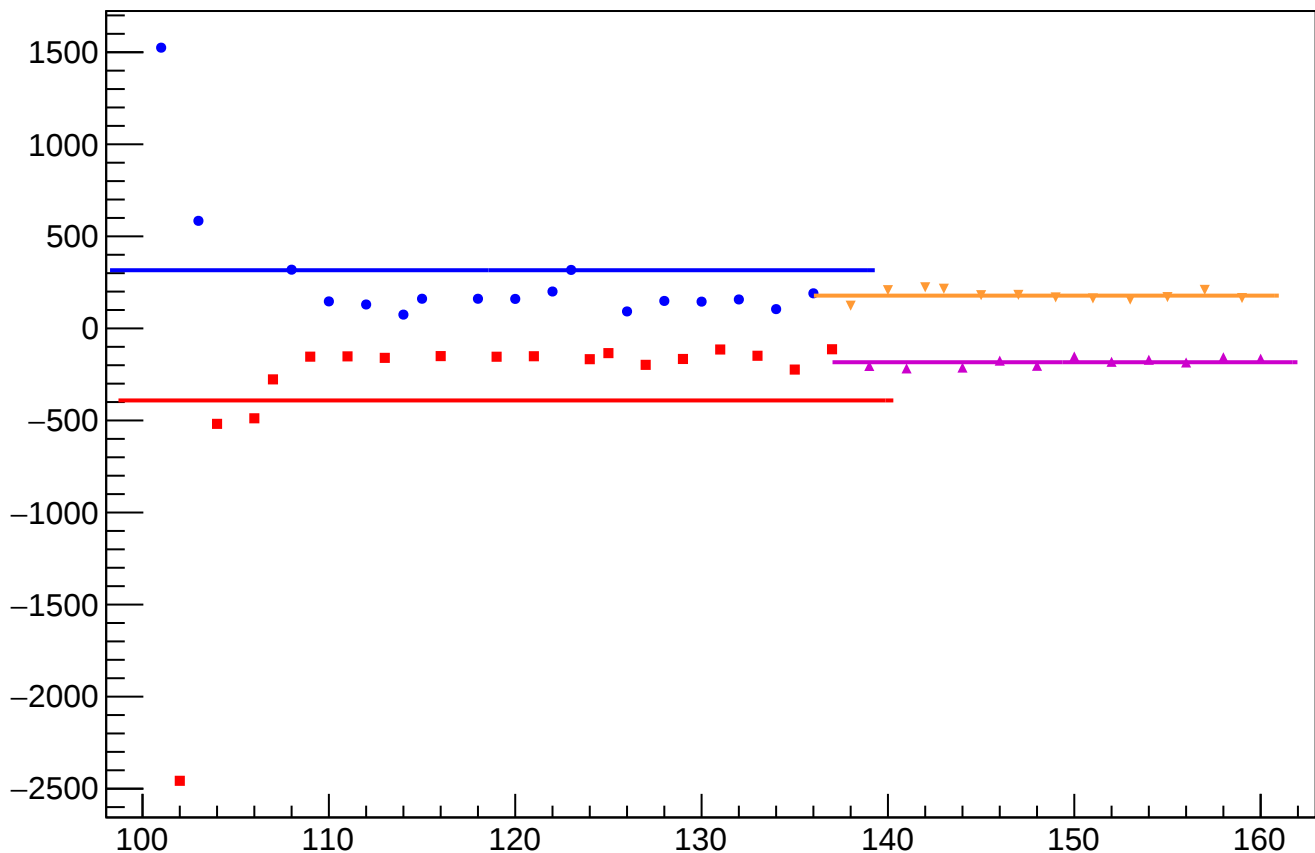
All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_atr1_coil3_mean vs Slug, Sign Corrected



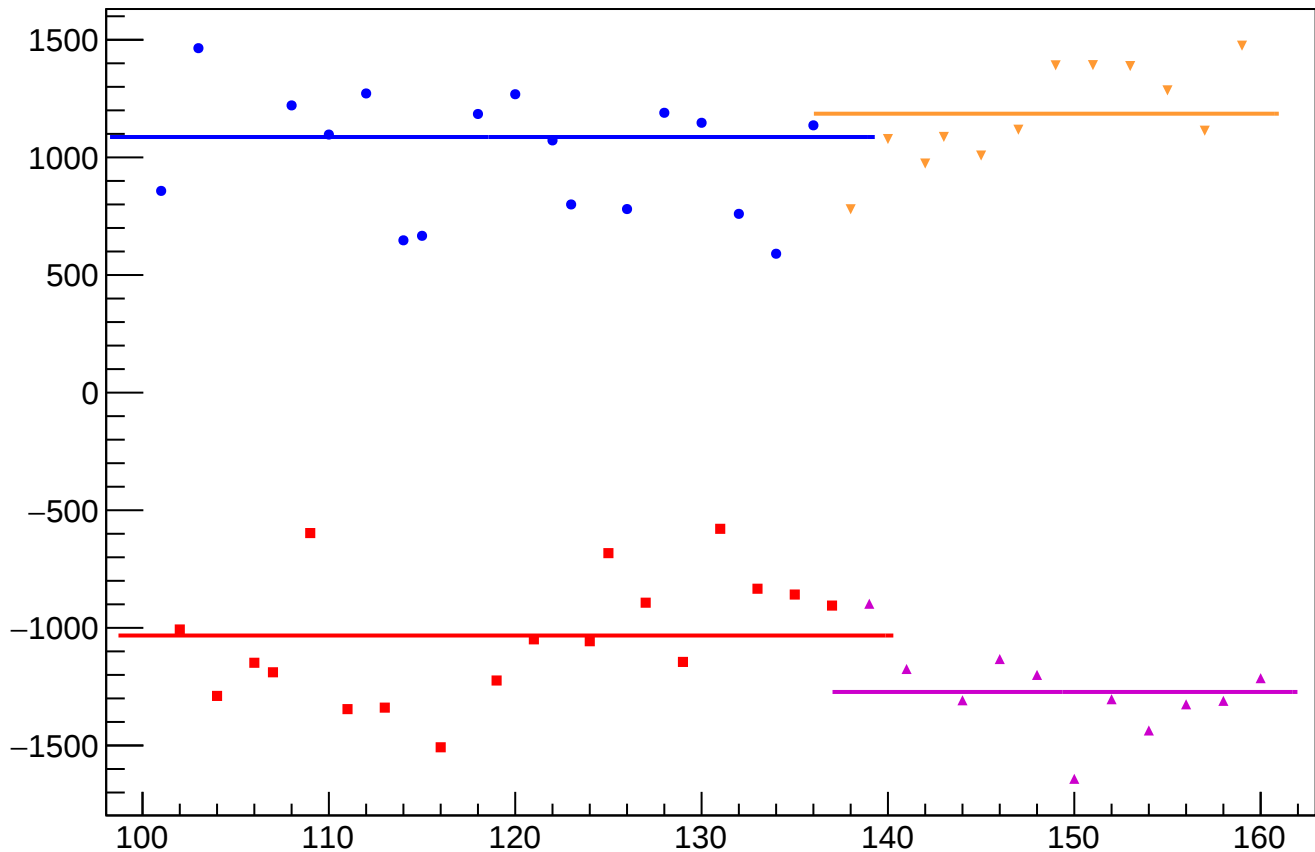
Right In: 2171.584+/-0.000 χ^2/NDF : 1121481436711992505747608002078061887488.0/16
 Left Out: 5221.037+/-0.000 χ^2/NDF : 4857654311050292854338300000844618072064.0/11
 Right Out: -2092.361+/-0.000 χ^2/NDF : 667441885377832140265043131761621467136.0/17
 Left In: -5483.850+/-0.000 χ^2/NDF : 124207618021639643047117923230651777024.0/10
 All: -110.571+/-0.000 χ^2/NDF : 61598535093

dit_atr1_coil3_err_mean vs Slug, Sign Corrected



Right In: 315.988+/-0.000 χ^2/NDF : 105245970043528229052885068868464148480.0/16
 Left Out: 178.075+/-0.000 χ^2/NDF : 651585134849869206771008425477275648.0/11
 Right Out: -391.241+/-0.000 χ^2/NDF : 278615743451952201300141162839823876096.0/17
 Left In: -183.693+/-0.000 χ^2/NDF : 436901081723904411805948593427185664.0/10
 All: -21.518+/-0.000 χ^2/NDF : 622491467399

dit_atr1_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695+/-0.000

χ^2/NDF : 34612834720892896264590202148866752512.0/16

Left Out: 1185.823+/-0.000

χ^2/NDF : 37557683033316568818198536296895348736.0/11

Right Out: -1032.544+/-0.000

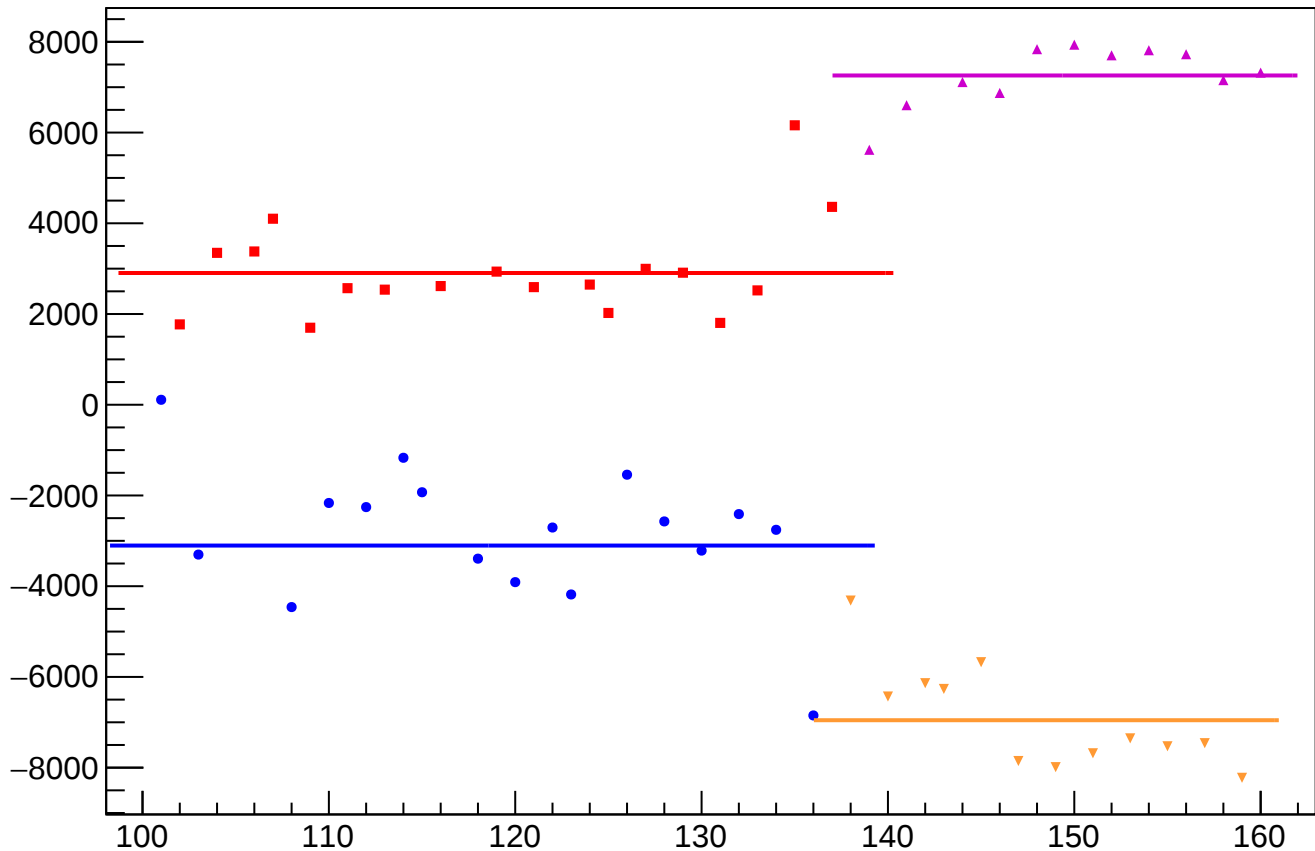
χ^2/NDF : 47614887029691398867923382029973979136.0/17

Left In: -1272.495+/-0.000

χ^2/NDF : 29878198288838193261445678233542459392.0/10

Left: -59.351+/-0.000 χ^2/NDF : 2849915835351934
 Right: 11.282+/-0.000 χ^2/NDF : 1663891694726158
 In: -266.178+/-0.000 χ^2/NDF : 2279519380852013
 Out: 209.140+/-0.000 χ^2/NDF : 2054648458206867
 All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_atr2_coil3_mean vs Slug, Sign Corrected



Right In: -3104.086+/-0.000

Left Out: -6954.312+/-0.000

Right Out: 2904.095+/-0.000

Left In: 7258.241+/-0.000

χ^2/NDF : 2219830093322908449503226232551283621888.0/16

χ^2/NDF : 1136997499681278393426195734690374090752.0/11

χ^2/NDF : 863466592603439885705858083509569060864.0/17

χ^2/NDF : 401725539598456185043422844347240939520.0/10

Left: 244.554+/-0.000 χ^2/NDF : 9454239531636399

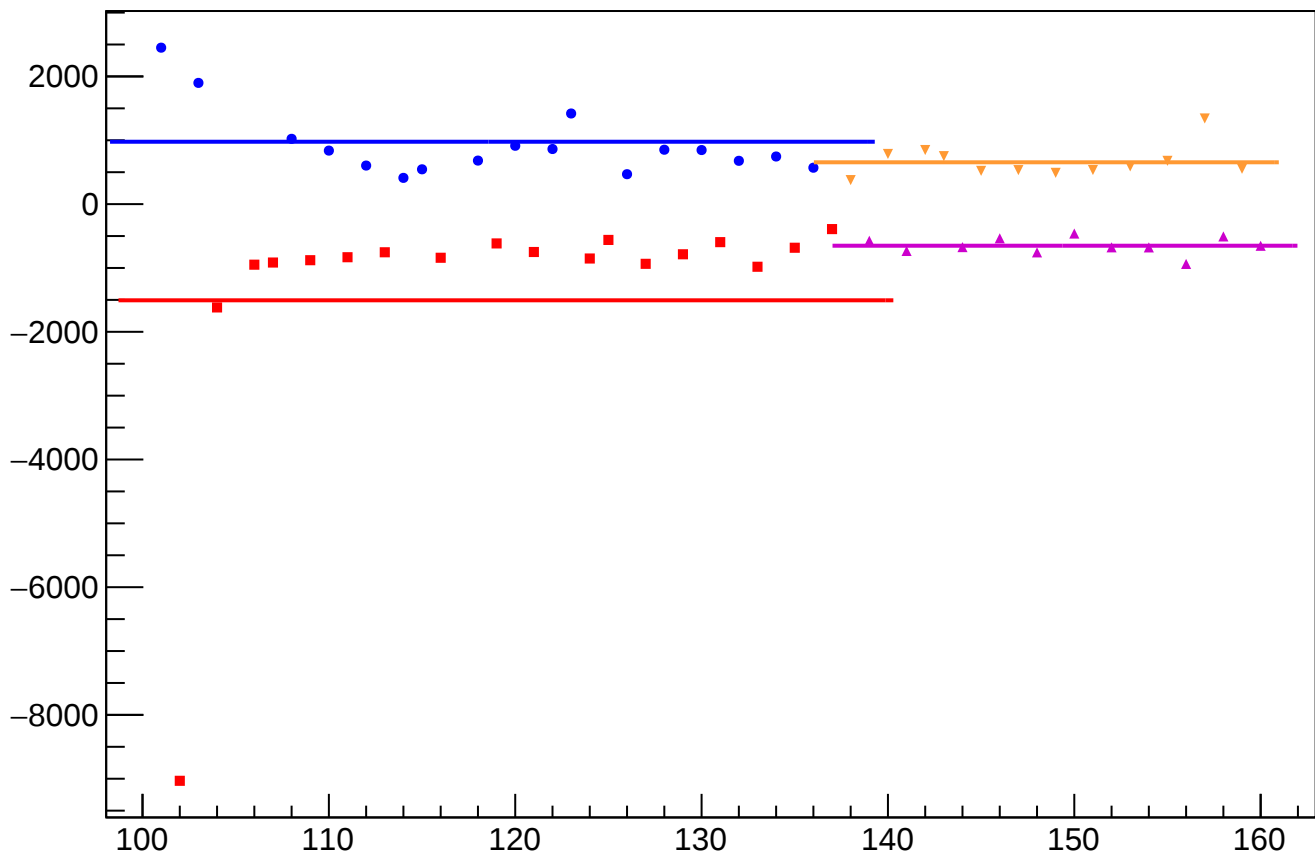
Right: -55.222+/-0.000 χ^2/NDF : 157960799748742

In: 2838.170+/-0.000 χ^2/NDF : 4535502787574974

Out: -2613.942+/-0.000 χ^2/NDF : 40895790477576

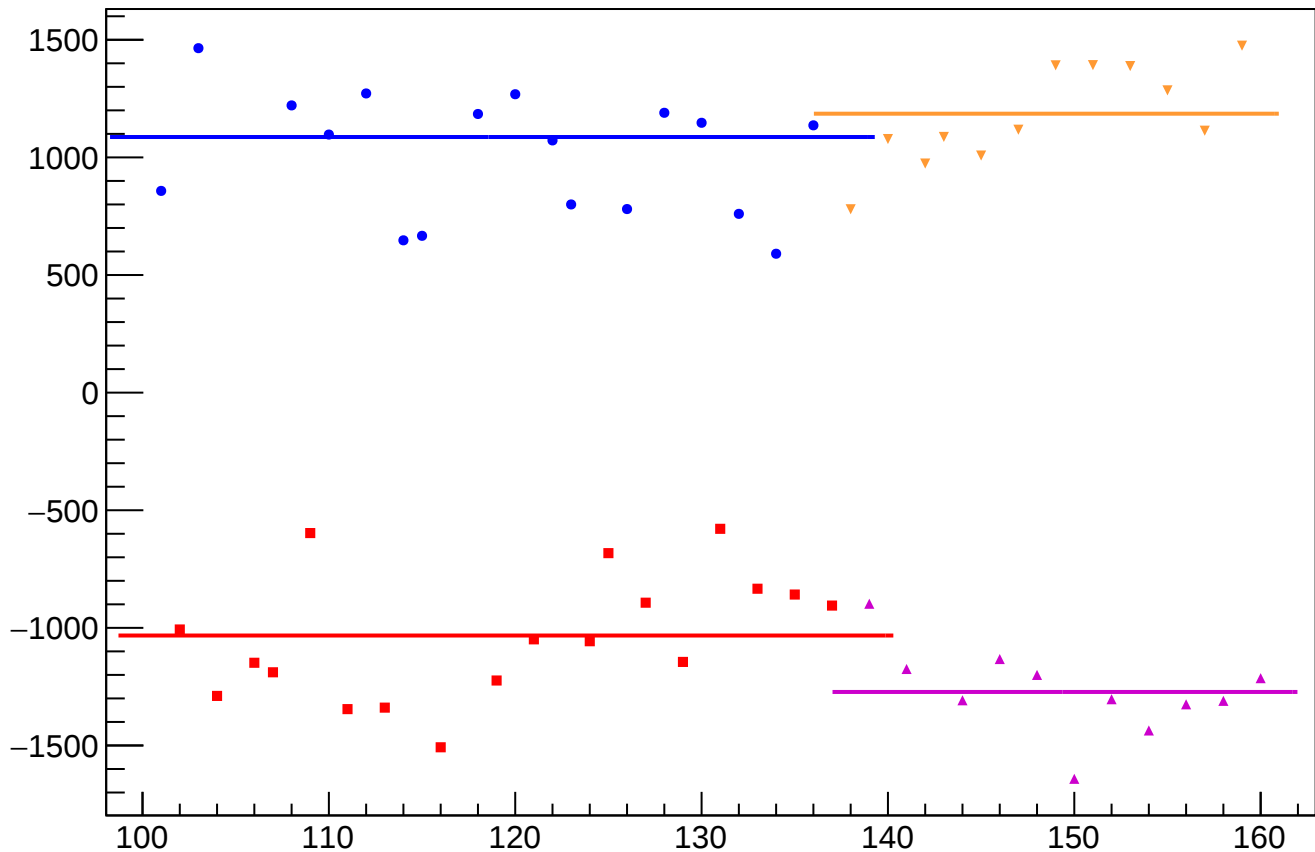
All: 114.630+/-0.000 χ^2/NDF : 11041021813

dit_atr2_coil3_err_mean vs Slug, Sign Corrected



Right In: 977.095 ± 0.000 $\chi^2/\text{NDF}: 229572106069348964280530708212477853696.0/16$
 Left Out: 655.166 ± 0.000 $\chi^2/\text{NDF}: 51874874251518032023744139034586251264.0/11$
 Right Out: -1506.543 ± 0.000 $\chi^2/\text{NDF}: 3621204096431683433019783695973291655168.0/17$
 Left In: -651.533 ± 0.000 $\chi^2/\text{NDF}: 14771751730893507411820547842989096960.0/10$
 All: -126.548 ± 0.000 $\chi^2/\text{NDF}: 69369825406$

dit_atr2_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695+/-0.000

χ^2/NDF : 34612834720892896264590202148866752512.0/16

Left Out: 1185.823+/-0.000

χ^2/NDF : 37557683033316568818198536296895348736.0/11

Right Out: -1032.544+/-0.000

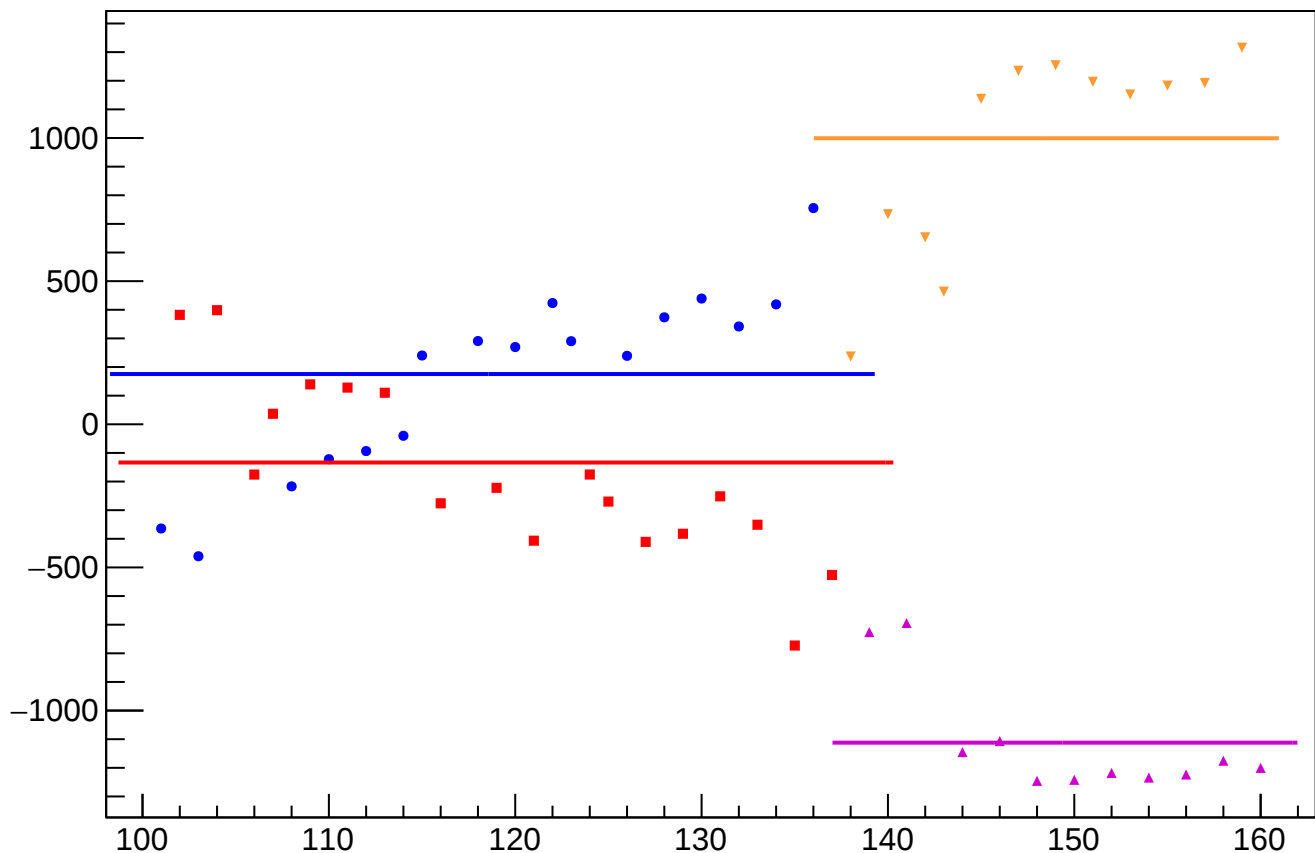
χ^2/NDF : 47614887029691398867923382029973979136.0/17

Left In: -1272.495+/-0.000

χ^2/NDF : 29878198288838193261445678233542459392.0/10

All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_sam1_coil3_mean vs Slug, Sign Corrected



Right In: 175.537 +/- 0.000

χ^2/NDF : 95726276788203913105887314540463390720.0/16

Left Out: 999.146 +/- 0.000

χ^2/NDF : 105564366035075461974618801527085596672.0/11

Right Out: -133.524 +/- 0.000

χ^2/NDF : 76029583873433989388564211432616361984.0/17

Left In: -1112.074 +/- 0.000

χ^2/NDF : 34304488318555265110633397434623983616.0/10

Left: -70.218 +/- 0.000 χ^2/NDF : 2192085054079832

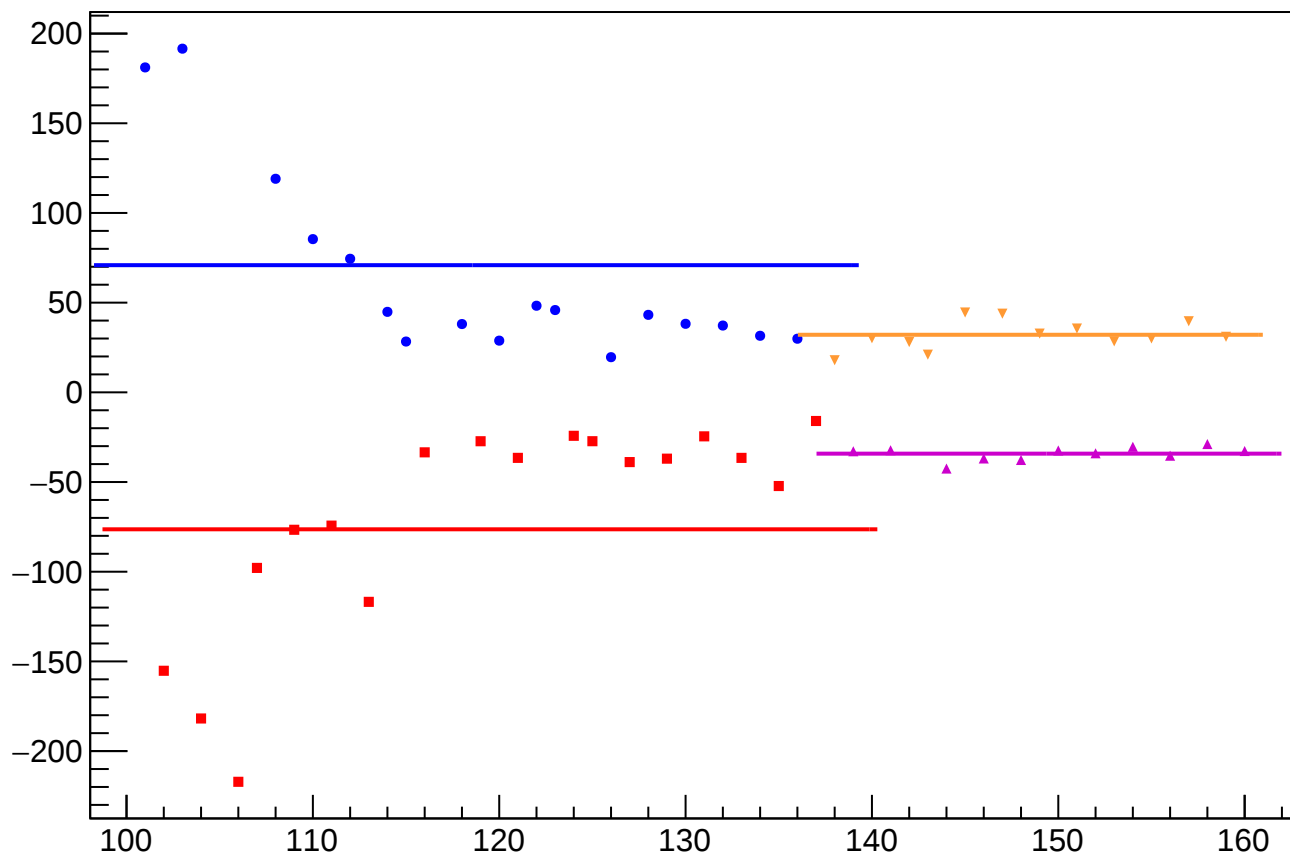
Right: 18.704 +/- 0.000 χ^2/NDF : 2053948365154779

In: -562.841 +/- 0.000 χ^2/NDF : 7898474617781587

Out: 500.465 +/- 0.000 χ^2/NDF : 6950350605404624

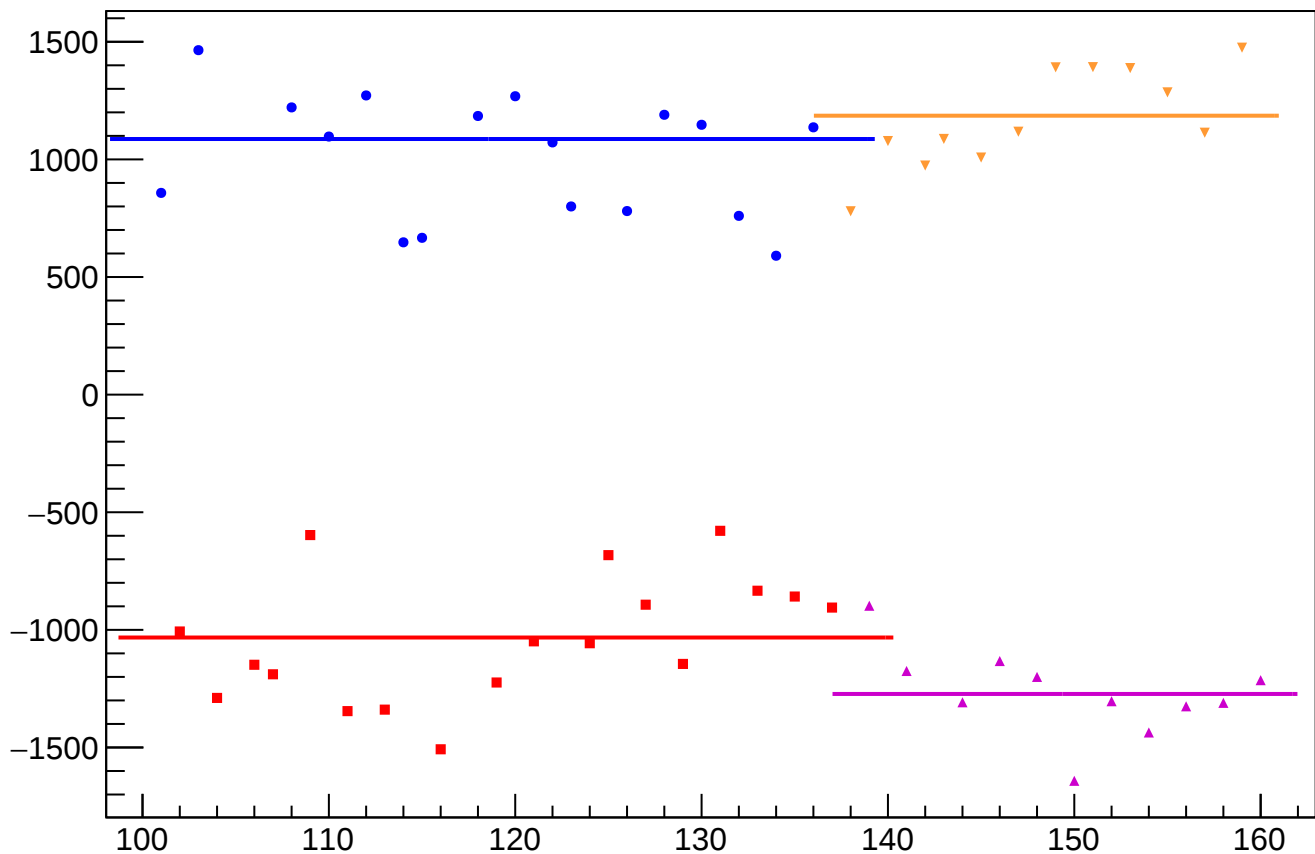
All: -31.679 +/- 0.000 χ^2/NDF : 240379233691

dit_sam1_coil3_err_mean vs Slug, Sign Corrected



Right In: 70.892+/-0.000 χ^2/NDF : 2275734493854200628376973265629872128.0/16
 Left Out: 32.091+/-0.000 χ^2/NDF : 54625109486428917738965927425212416.0/11
 Right Out: -76.360+/-0.000 χ^2/NDF : 2382375226603203691068269213188620288.0/17
 Left In: -34.184+/-0.000 χ^2/NDF : 12426918146189706802189676664848384.0/10
 All: -2.498+/-0.000 χ^2/NDF : 1438817264667

dit_sam1_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695+/-0.000

χ^2/NDF : 34612834720892896264590202148866752512.0/16

Left Out: 1185.823+/-0.000

χ^2/NDF : 37557683033316568818198536296895348736.0/11

Right Out: -1032.544+/-0.000

χ^2/NDF : 47614887029691398867923382029973979136.0/17

Left In: -1272.495+/-0.000

χ^2/NDF : 29878198288838193261445678233542459392.0/10

Left: -59.351+/-0.000 χ^2/NDF : 2849915835351934

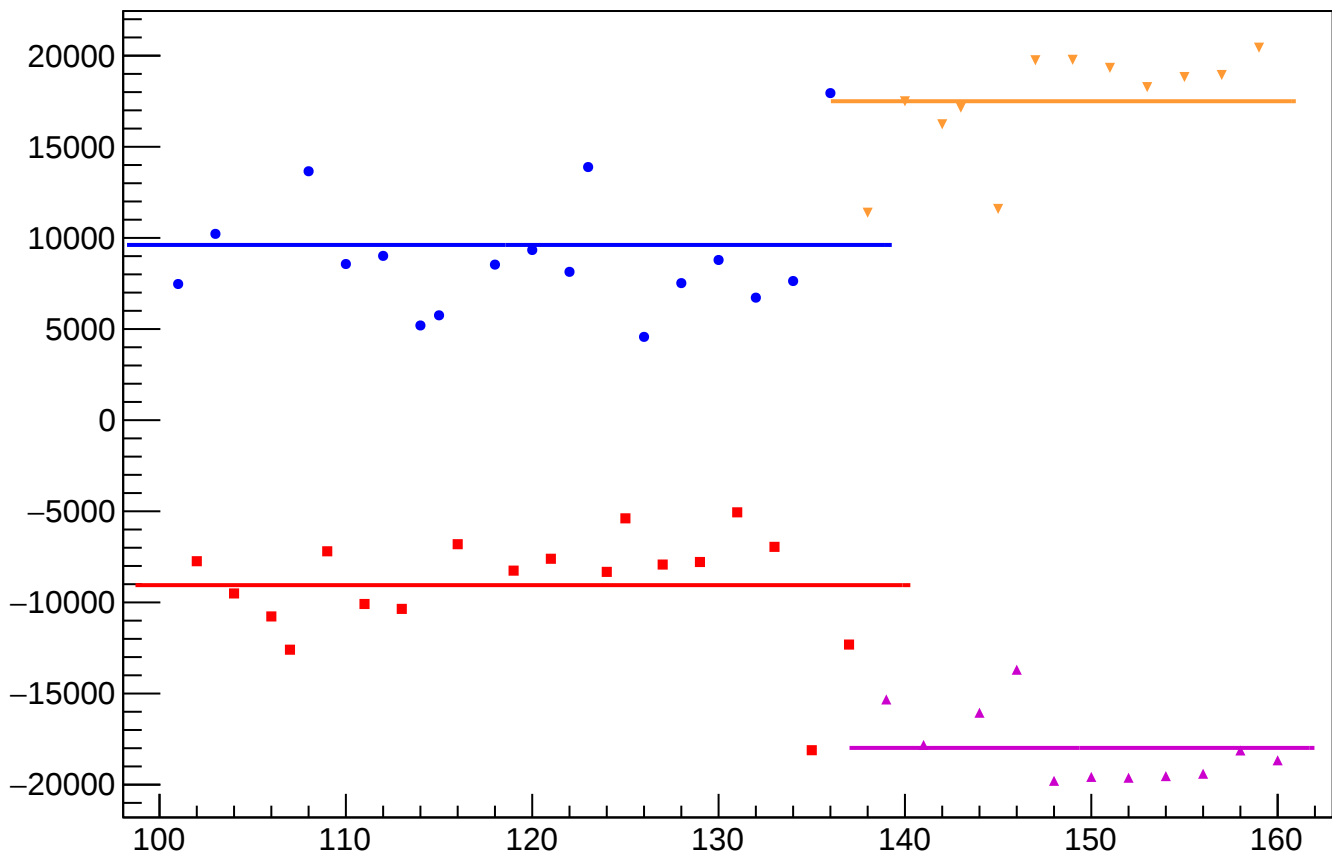
Right: 11.282+/-0.000 χ^2/NDF : 1663891694726158

In: -266.178+/-0.000 χ^2/NDF : 2279519380852013

Out: 209.140+/-0.000 χ^2/NDF : 2054648458206867

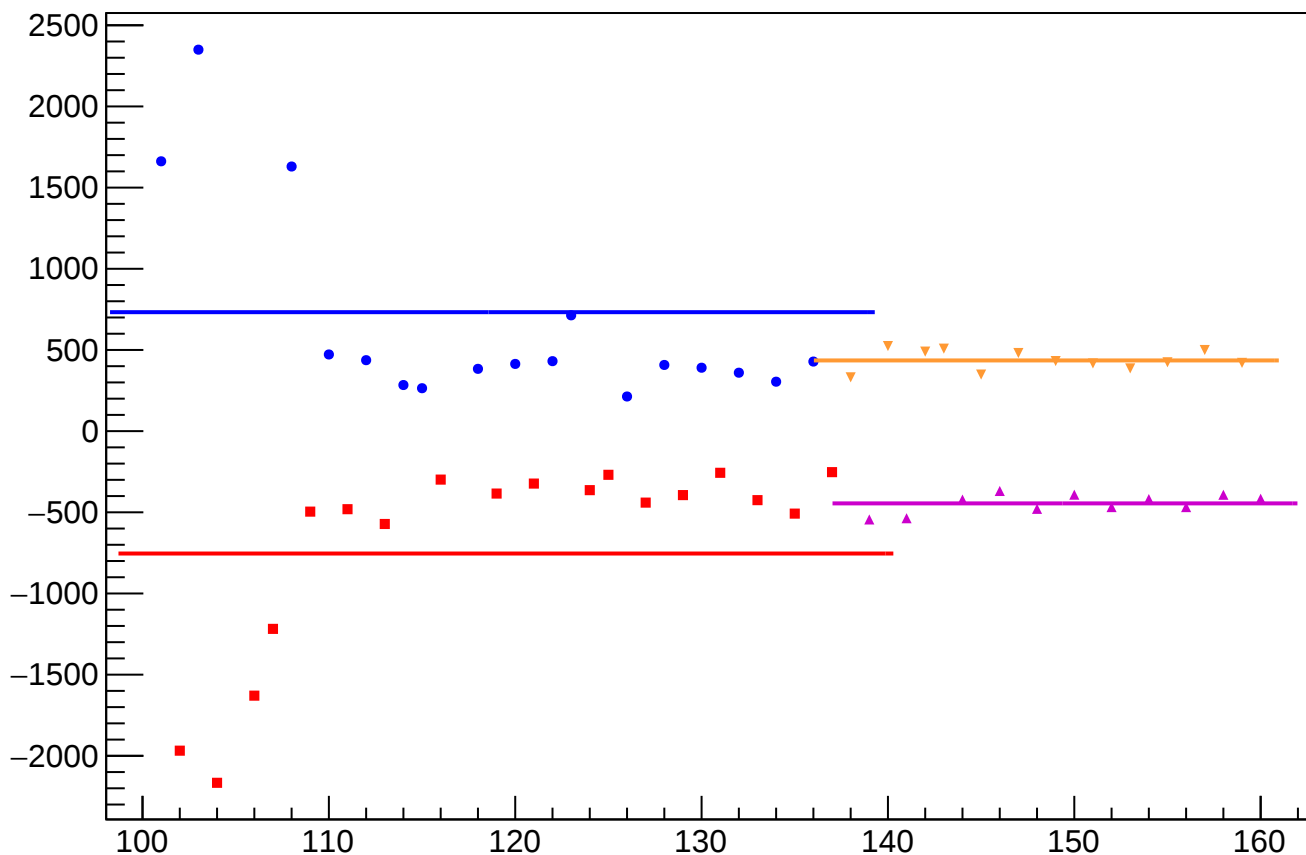
All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_sam2_coil3_mean vs Slug, Sign Corrected



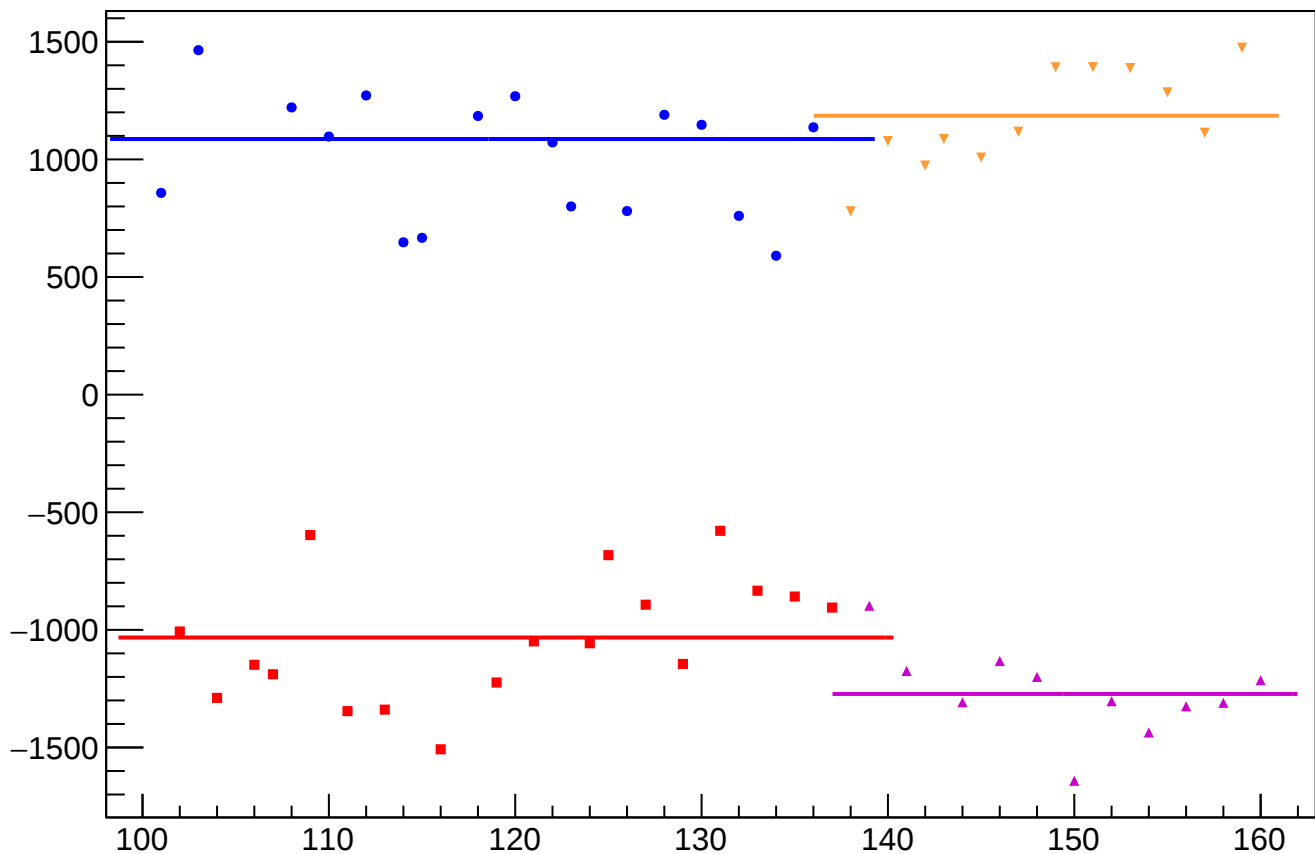
Right In: 9614.932 $\pm$ 0.000 χ^2 /NDF: 9450588438014082769578324832201526476800.0/16
 Left Out: 17500.786 $\pm$ 0.000 χ^2 /NDF: 7846813012026023217295297642858706632704.0/11
 Right Out: -9052.441 $\pm$ 0.000 χ^2 /NDF: 6723672544856808135538254172135519944704.0/17
 Left In: -17983.189 $\pm$ 0.000 χ^2 /NDF: 3584595715288567917039077291852254150656.0/10
 All: -206.039 $\pm$ 0.000 χ^2 /NDF: 73035158648

dit_sam2_coil3_err_mean vs Slug, Sign Corrected



Right In: 732.742 $\pm$ 0.000 χ^2 /NDF: 301740459340268060292037793871684435968.0/16
 Left Out: 435.461 $\pm$ 0.000 χ^2 /NDF: 3296772866704872156721083756341886976.0/11
 Right Out: -753.888 $\pm$ 0.000 χ^2 /NDF: 288199108578840040054796930815893700608.0/17
 Left In: -445.056 $\pm$ 0.000 χ^2 /NDF: 2842998762330216596366474874240106496.0/10
 All: -15.352 $\pm$ 0.000 χ^2 /NDF: 173147179684

dit_sam2_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695+/-0.000

χ^2/NDF : 34612834720892896264590202148866752512.0/16

Left Out: 1185.823+/-0.000

χ^2/NDF : 37557683033316568818198536296895348736.0/11

Right Out: -1032.544+/-0.000

χ^2/NDF : 47614887029691398867923382029973979136.0/17

Left In: -1272.495+/-0.000

χ^2/NDF : 29878198288838193261445678233542459392.0/10

Left: -59.351+/-0.000 χ^2/NDF : 2849915835351934

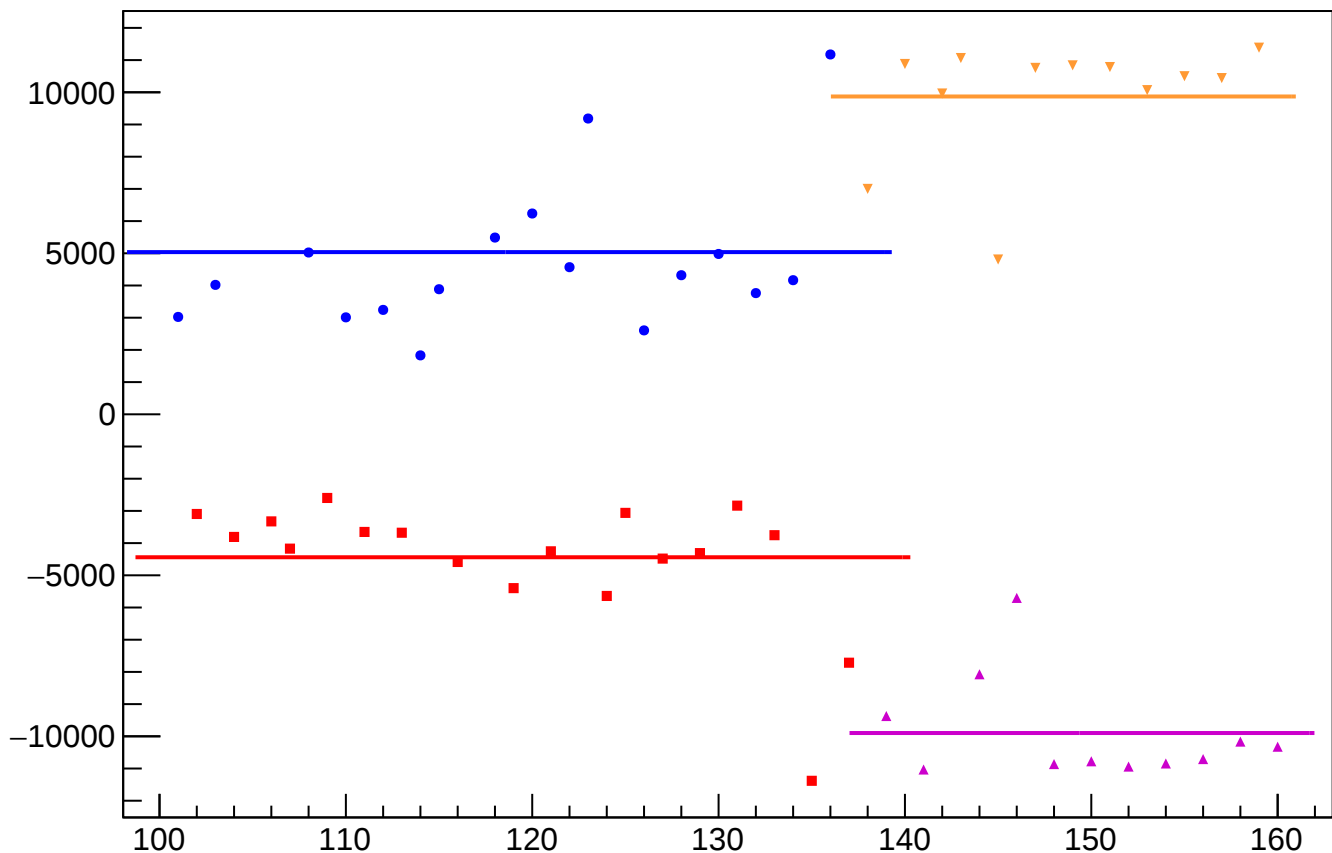
Right: 11.282+/-0.000 χ^2/NDF : 1663891694726158

In: -266.178+/-0.000 χ^2/NDF : 2279519380852013

Out: 209.140+/-0.000 χ^2/NDF : 2054648458206867

All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_sam3_coil3_mean vs Slug, Sign Corrected



Right In: 5037.073+/-0.000

Left: -142.751+/-0.000 χ^2/NDF : 185463079567203

Left Out: 9869.728+/-0.000

Right: 228.228+/-0.000 χ^2/NDF : 393379023749041

Right Out: -4439.378+/-0.000

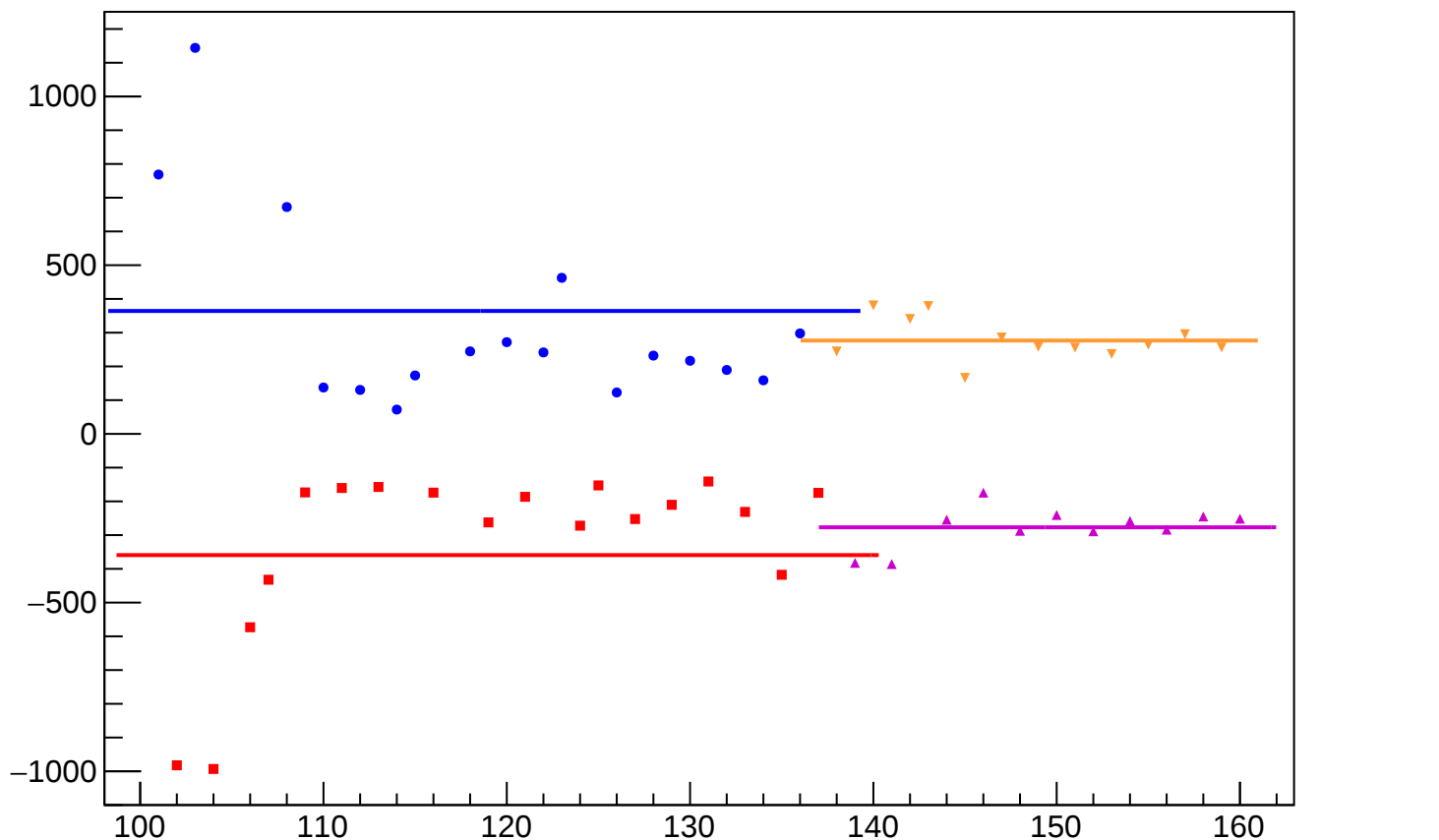
In: -3527.229+/-0.000 χ^2/NDF : 956002120511637

Left In: -9897.674+/-0.000

Out: 3569.844+/-0.000 χ^2/NDF : 883737217884158

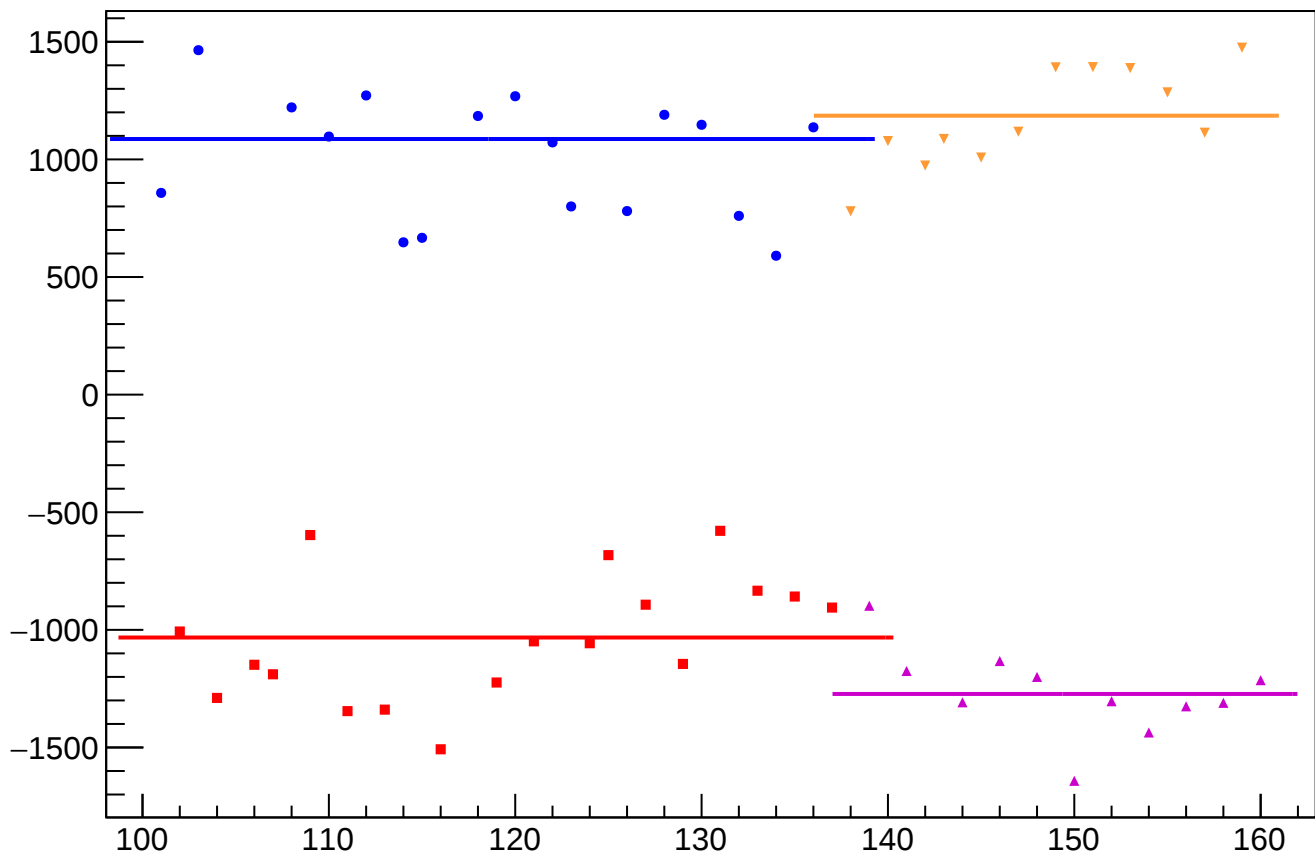
All: 18.033+/-0.000 χ^2/NDF : 2249108527212

dit_sam3_coil3_err_mean vs Slug, Sign Corrected



Left: -3.700 +/- 0.000 χ^2/NDF : 14733086249937499
 Right: -2.895 +/- 0.000 χ^2/NDF : 3070385632196005
 In: -3.394 +/- 0.000 χ^2/NDF : 230568672099103890
 Out: -3.308 +/- 0.000 χ^2/NDF : 22380126507815765
 All: -3.351 +/- 0.000 χ^2/NDF : 4543699433082

dit_sam3_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695+/-0.000

χ^2/NDF : 34612834720892896264590202148866752512.0/16

Left Out: 1185.823+/-0.000

χ^2/NDF : 37557683033316568818198536296895348736.0/11

Right Out: -1032.544+/-0.000

χ^2/NDF : 47614887029691398867923382029973979136.0/17

Left In: -1272.495+/-0.000

χ^2/NDF : 29878198288838193261445678233542459392.0/10

Left: -59.351+/-0.000 χ^2/NDF : 2849915835351934

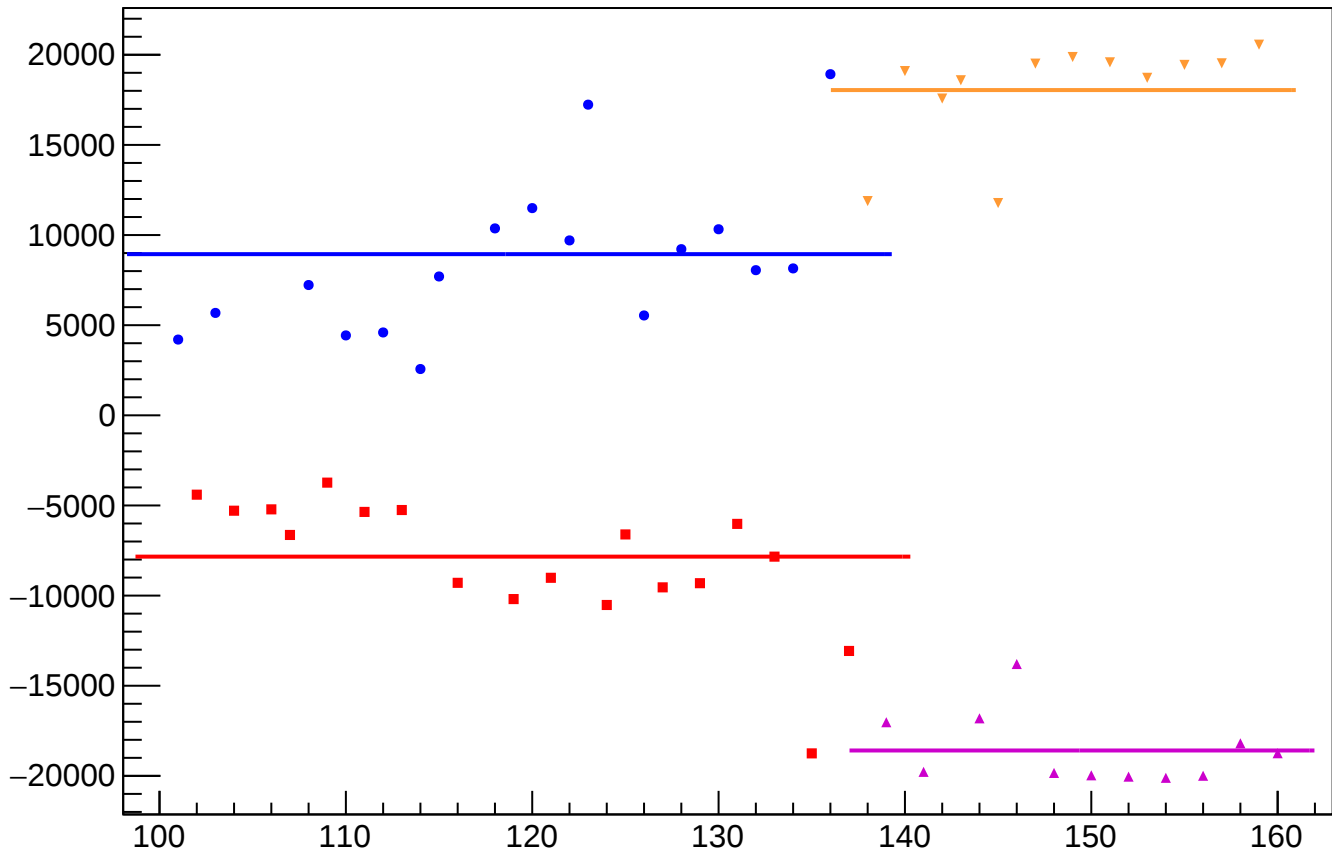
Right: 11.282+/-0.000 χ^2/NDF : 1663891694726158

In: -266.178+/-0.000 χ^2/NDF : 2279519380852013

Out: 209.140+/-0.000 χ^2/NDF : 2054648458206867

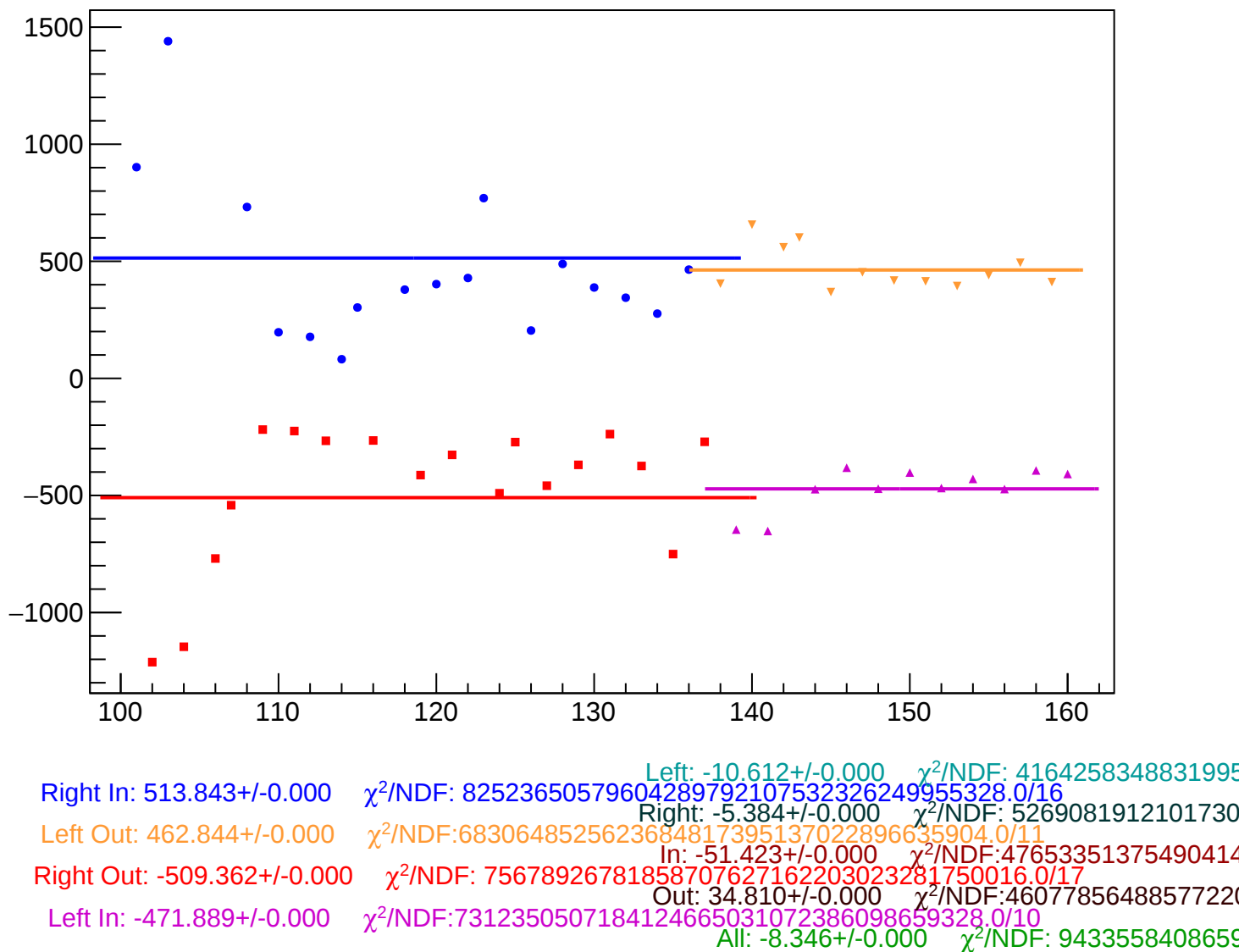
All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_sam4_coil3_mean vs Slug, Sign Corrected

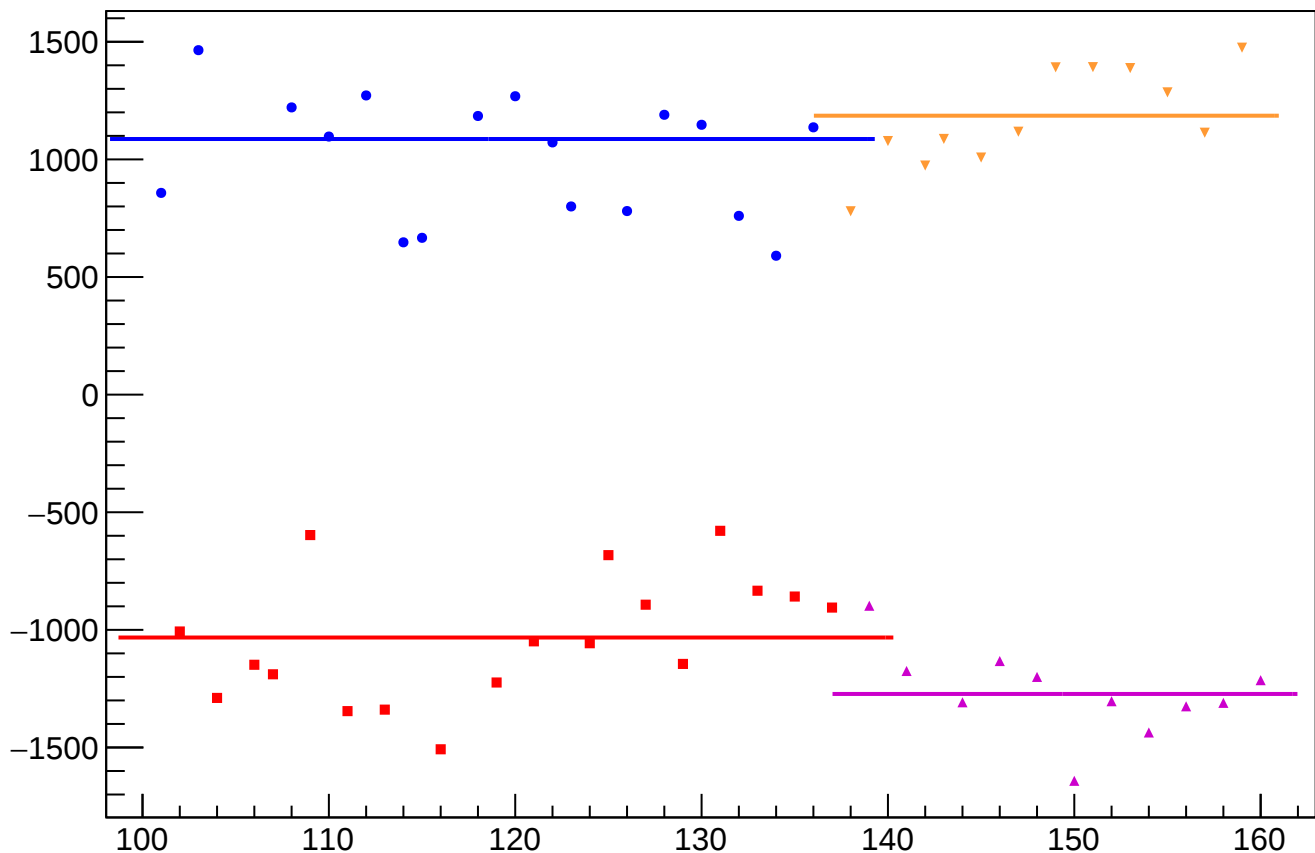


Right In: 8940.709 $\pm$ 0.000 χ^2 /NDF: 14252298982323079680975069701388839682048.0/16
 Left Out: 18042.230 $\pm$ 0.000 χ^2 /NDF: 7640646522897487857135230772113708154880.0/11
 Right Out: -7838.226 $\pm$ 0.000 χ^2 /NDF: 9846913896882704140251290027429415878656.0/17
 Left In: -18591.547 $\pm$ 0.000 χ^2 /NDF: 3373827841621741048896229754913272365056.0/10
 All: -106.123 $\pm$ 0.000 χ^2 /NDF: 75286778977

dit_sam4_coil3_err_mean vs Slug, Sign Corrected

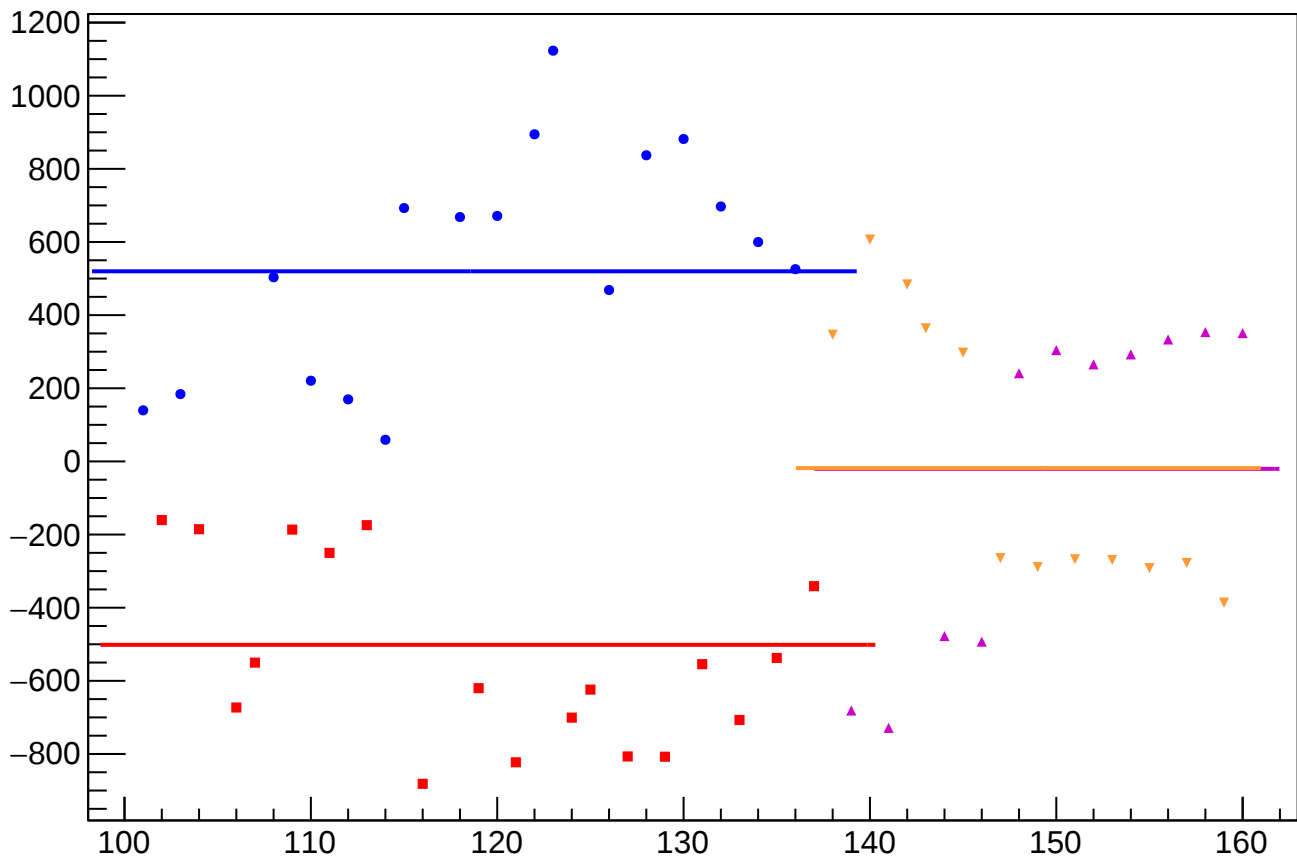


dit_sam4_coil3_Ndata_mean vs Slug, Sign Corrected



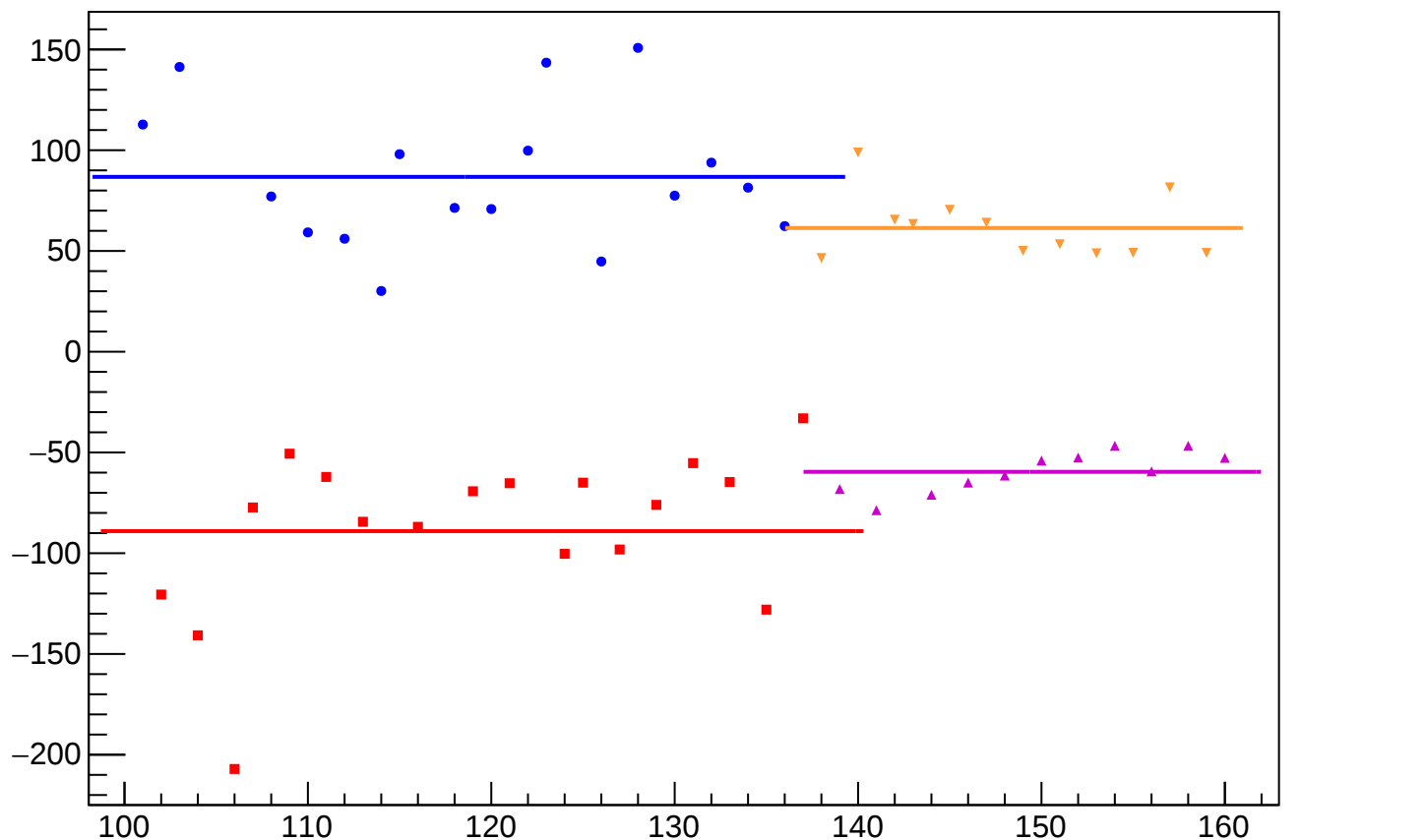
Right In: 1086.695 $\pm$ 0.000 χ^2 /NDF: 34612834720892896264590202148866752512.0/16
 Left Out: 1185.823 $\pm$ 0.000 χ^2 /NDF: 37557683033316568818198536296895348736.0/11
 Right Out: -1032.544 $\pm$ 0.000 χ^2 /NDF: 47614887029691398867923382029973979136.0/17
 Left In: -1272.495 $\pm$ 0.000 χ^2 /NDF: 29878198288838193261445678233542459392.0/10
 All: -28.738 $\pm$ 0.000 χ^2 /NDF: 451779050699

dit_sam5_coil3_mean vs Slug, Sign Corrected



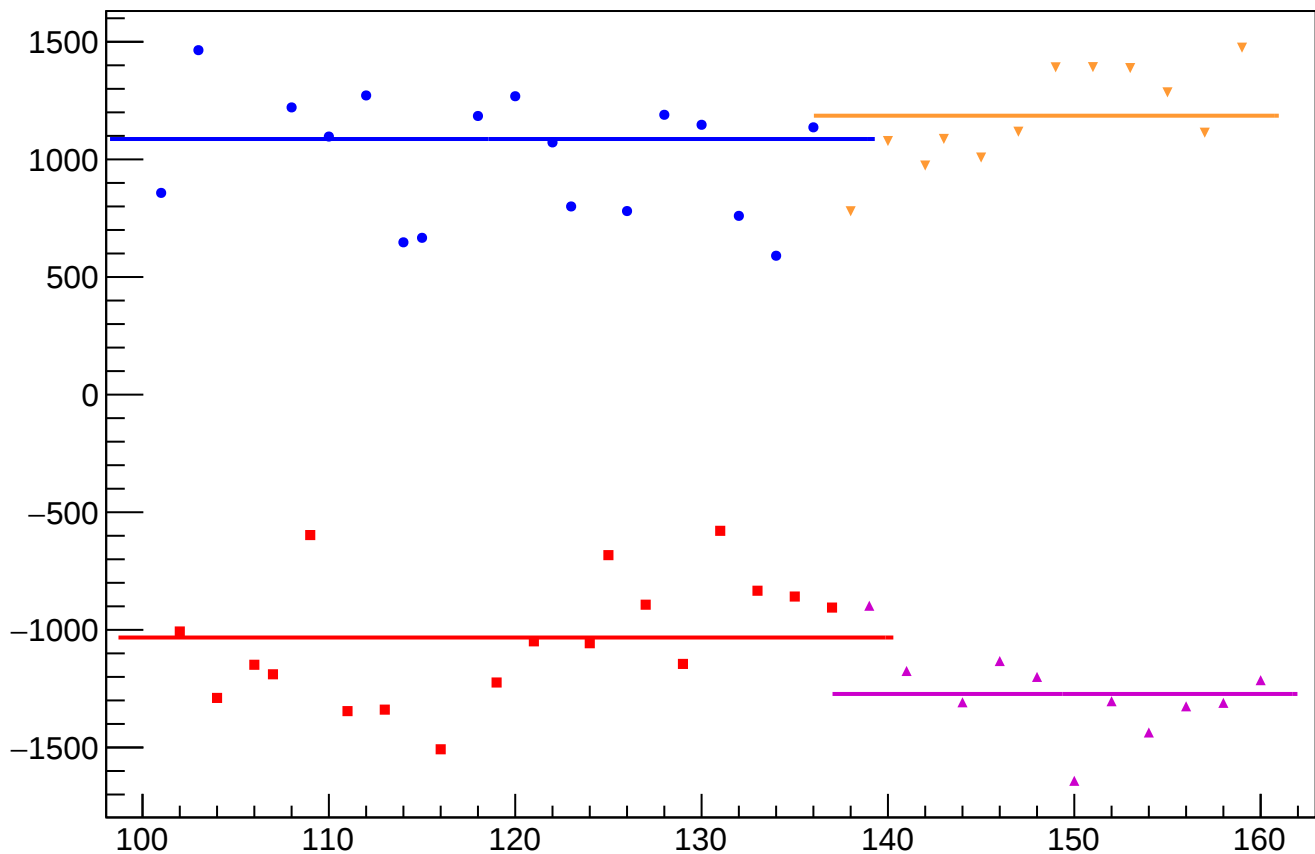
Left: -19.300+/-0.000 χ^2/NDF : 2934499708996127
 Right In: 519.845+/-0.000 χ^2/NDF : 50391712122122241983004017290687545344.0/16
 Right: 1.548+/-0.000 χ^2/NDF : 46337157544995128
 Left Out: -18.246+/-0.000 χ^2/NDF : 114374265303636923998653923051335319552.0/11
 In: 210.084+/-0.000 χ^2/NDF : 34558867557832259
 Right Out: -501.527+/-0.000 χ^2/NDF : 45593938816418547057443342639695921152.0/17
 Out: -231.020+/-0.000 χ^2/NDF : 253440629780937
 Left In: -20.328+/-0.000 χ^2/NDF : 179073709967558112986870071766256975872.0/10
 All: -10.264+/-0.000 χ^2/NDF : 757168536747

dit_sam5_coil3_err_mean vs Slug, Sign Corrected



Right In: 86.768 ± 0.000 $\chi^2/\text{NDF}: 727044528904958232730586242846031872.0/16$
 Left Out: 61.403 ± 0.000 $\chi^2/\text{NDF}: 223902255538930337202441578161897472.0/11$
 Right Out: -89.028 ± 0.000 $\chi^2/\text{NDF}: 1014702057025769592460755223634247680.0/17$
 Left In: -59.611 ± 0.000 $\chi^2/\text{NDF}: 90277020610973878591704182850322432.0/10$
 All: -0.997 ± 0.000 $\chi^2/\text{NDF}: 1968732828441$

dit_sam5_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695+/-0.000

χ^2/NDF : 34612834720892896264590202148866752512.0/16

Left Out: 1185.823+/-0.000

χ^2/NDF : 37557683033316568818198536296895348736.0/11

Right Out: -1032.544+/-0.000

χ^2/NDF : 47614887029691398867923382029973979136.0/17

Left In: -1272.495+/-0.000

χ^2/NDF : 29878198288838193261445678233542459392.0/10

Left: -59.351+/-0.000 χ^2/NDF : 2849915835351934

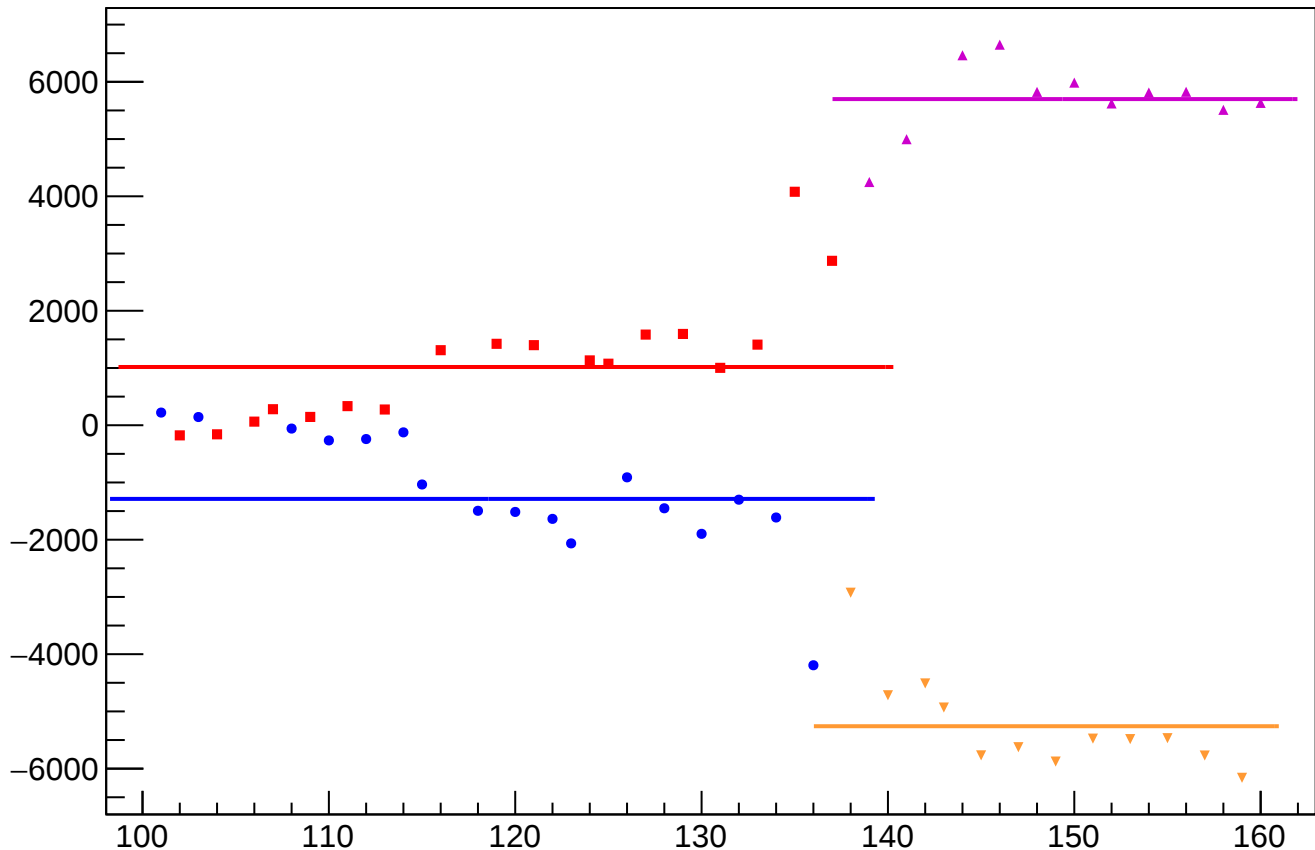
Right: 11.282+/-0.000 χ^2/NDF : 1663891694726158

In: -266.178+/-0.000 χ^2/NDF : 2279519380852013

Out: 209.140+/-0.000 χ^2/NDF : 2054648458206867

All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_sam6_coil3_mean vs Slug, Sign Corrected



Right In: -1287.018+/-0.000

Left Out: -5258.932+/-0.000

Right Out: 1017.680+/-0.000

Left In: 5698.540+/-0.000

χ^2/NDF : 1204676715439313496734702006985495150592.0/16

χ^2/NDF : 639767885689374953846002118656698351616.0/11

χ^2/NDF : 852354346622995689266162288487263371264.0/17

χ^2/NDF : 354071828835191382316642971835621703680.0/10

Left: 291.188+/-0.000 χ^2/NDF : 5627494160155441

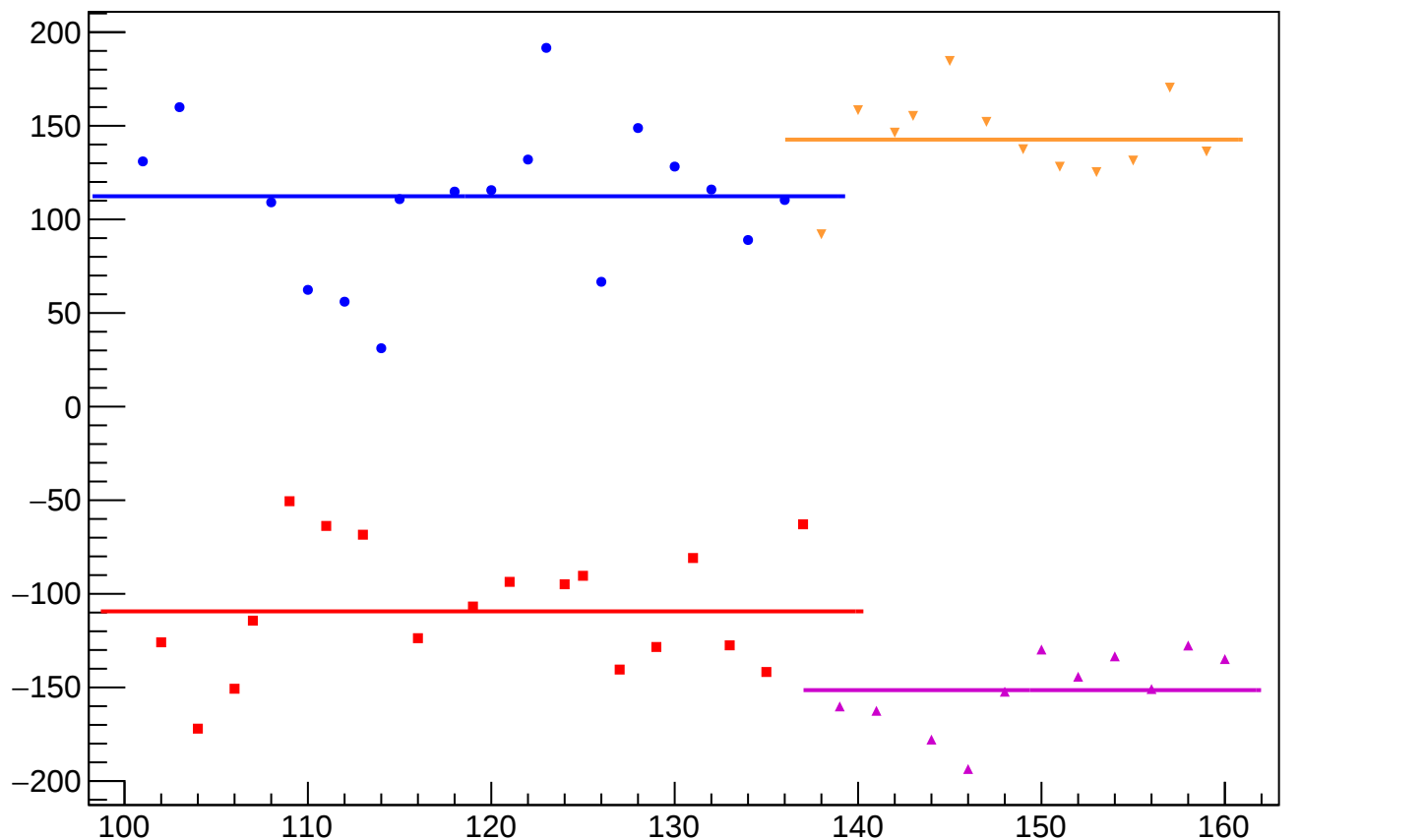
Right: -117.494+/-0.000 χ^2/NDF : 39276379731523

In: 2718.837+/-0.000 χ^2/NDF : 2097904135008849

Out: -2495.522+/-0.000 χ^2/NDF : 17258594612441

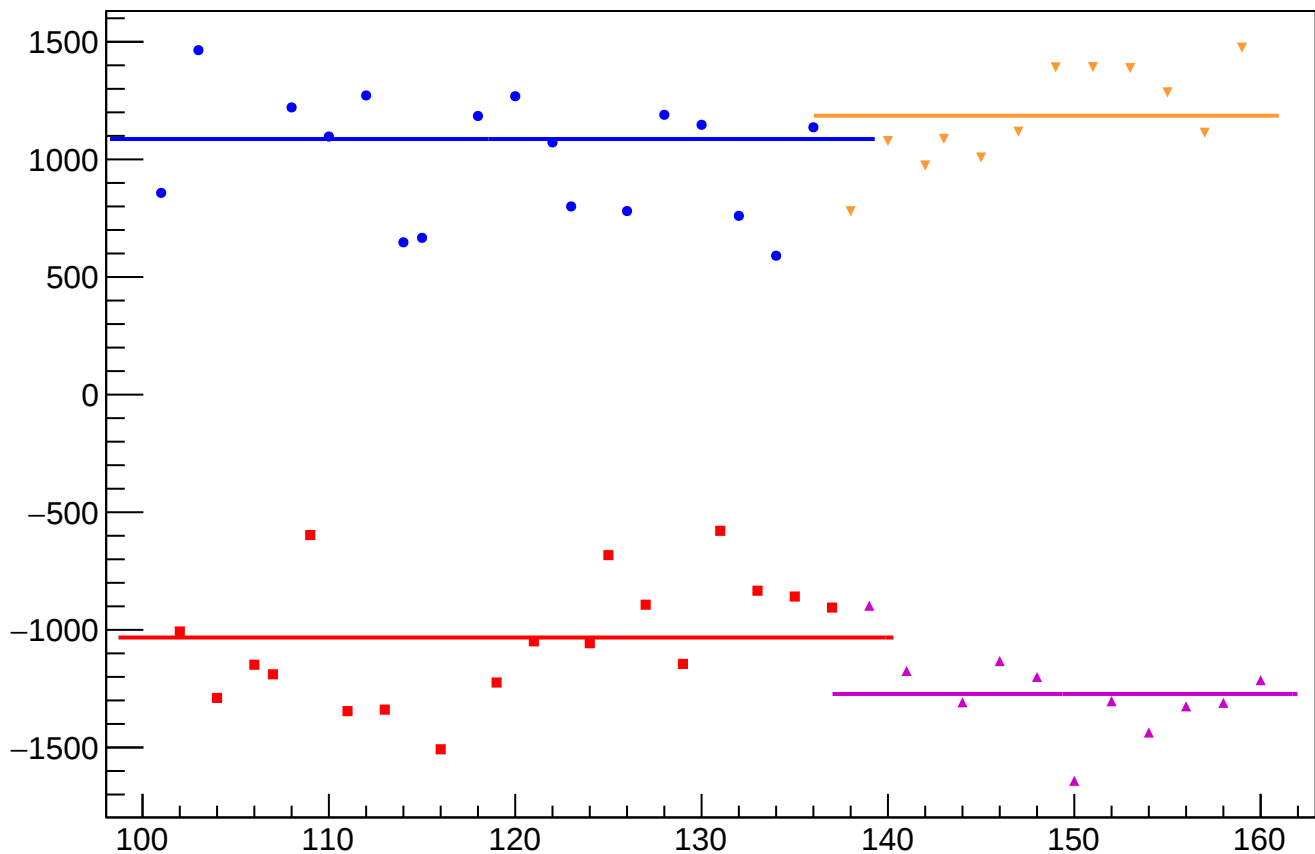
All: 114.063+/-0.000 χ^2/NDF : 603359178912

dit_sam6_coil3_err_mean vs Slug, Sign Corrected



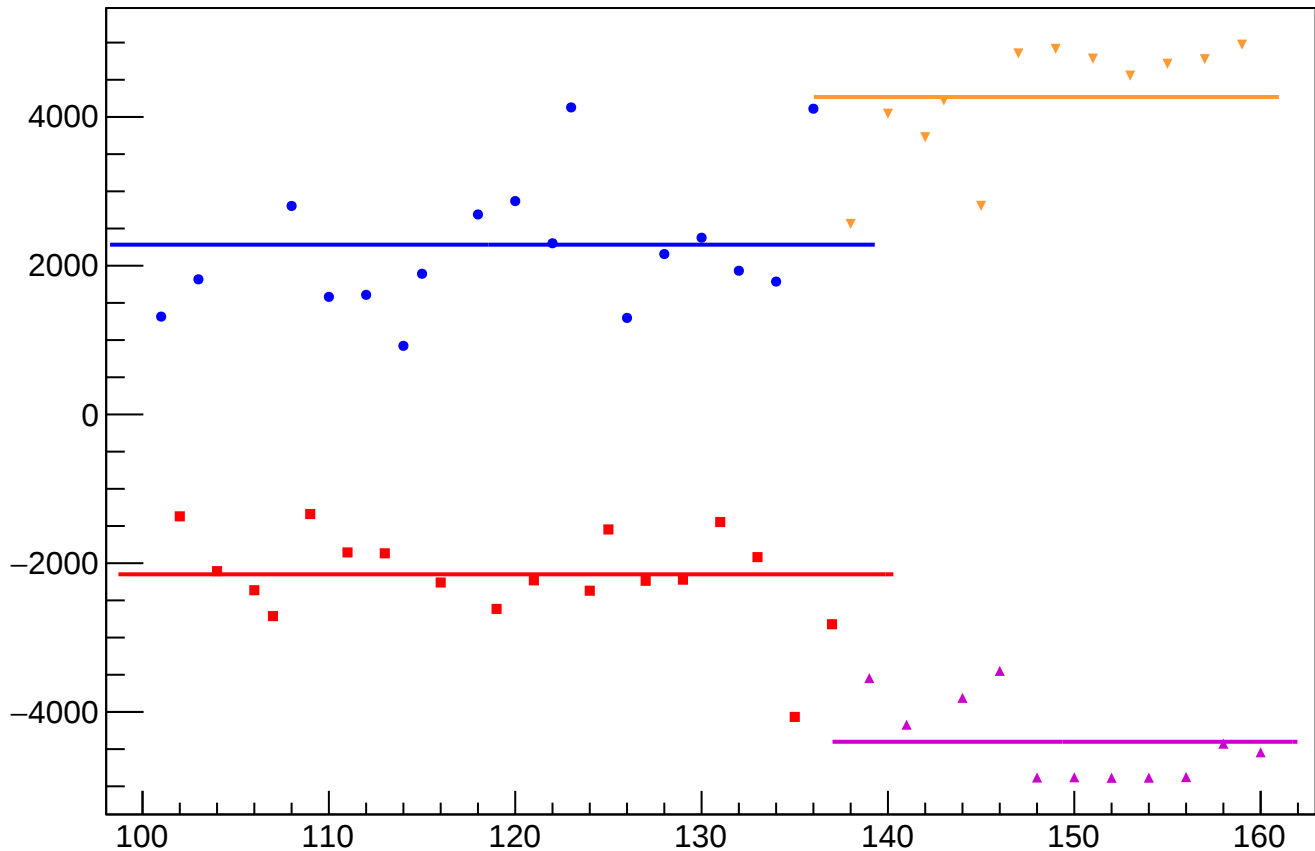
Right In: 112.364 $\pm$ 0.000 χ^2 /NDF: 704132882376699060399654305188020224.0/16
 Left Out: 142.624 $\pm$ 0.000 χ^2 /NDF: 490075896728839516785223596523913216.0/11
 Right Out: -109.364 $\pm$ 0.000 χ^2 /NDF: 838845293661778137888588246433136640.0/17
 Left In: -151.432 $\pm$ 0.000 χ^2 /NDF: 371010449971260656611055665401561088.0/10
 All: -3.647 $\pm$ 0.000 χ^2 /NDF: 5956048648863

dit_sam6_coil3_Ndata_mean vs Slug, Sign Corrected



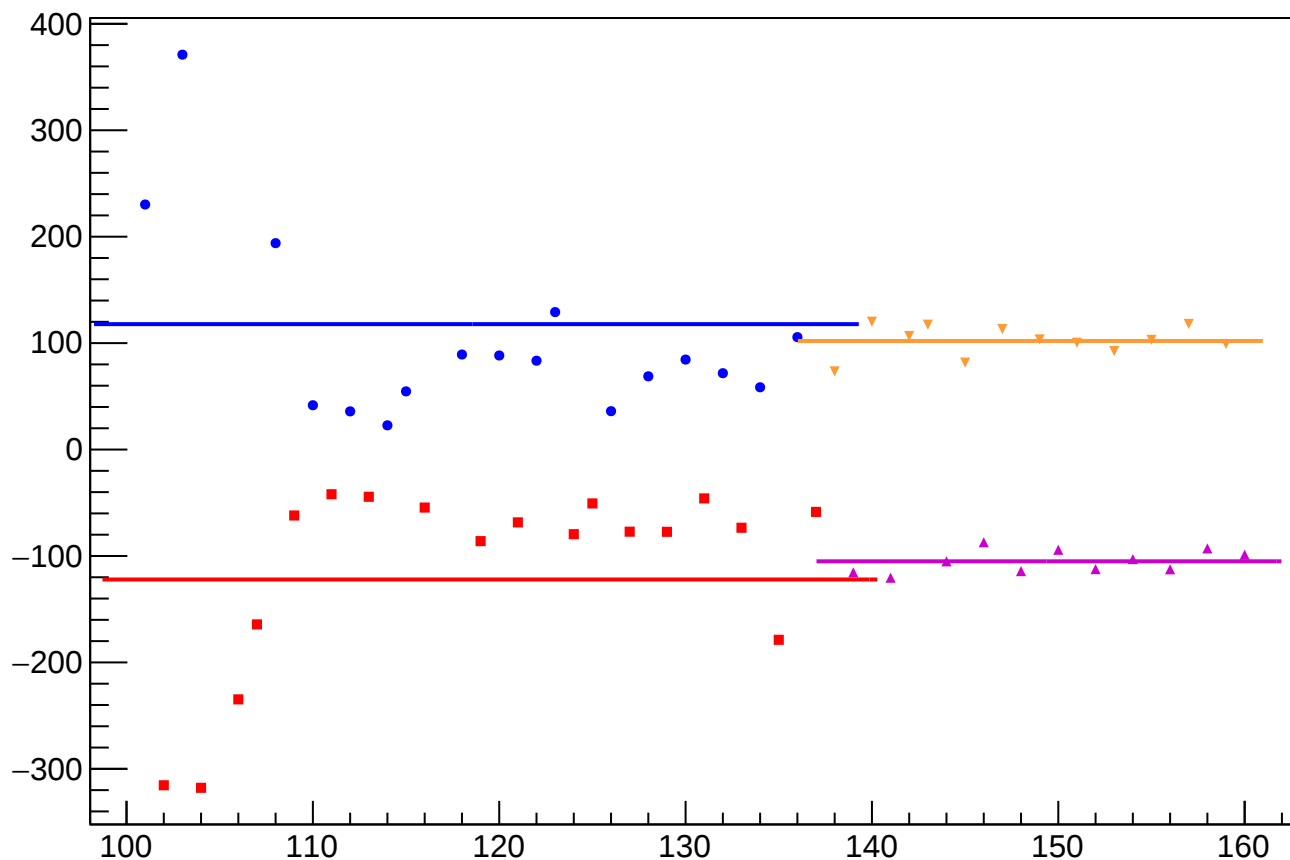
Right In: 1086.695+/-0.000 χ^2/NDF : 34612834720892896264590202148866752512.0/16
 Left Out: 1185.823+/-0.000 χ^2/NDF : 37557683033316568818198536296895348736.0/11
 Right Out: -1032.544+/-0.000 χ^2/NDF : 47614887029691398867923382029973979136.0/17
 Left In: -1272.495+/-0.000 χ^2/NDF : 29878198288838193261445678233542459392.0/10
 All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_sam7_coil3_mean vs Slug, Sign Corrected



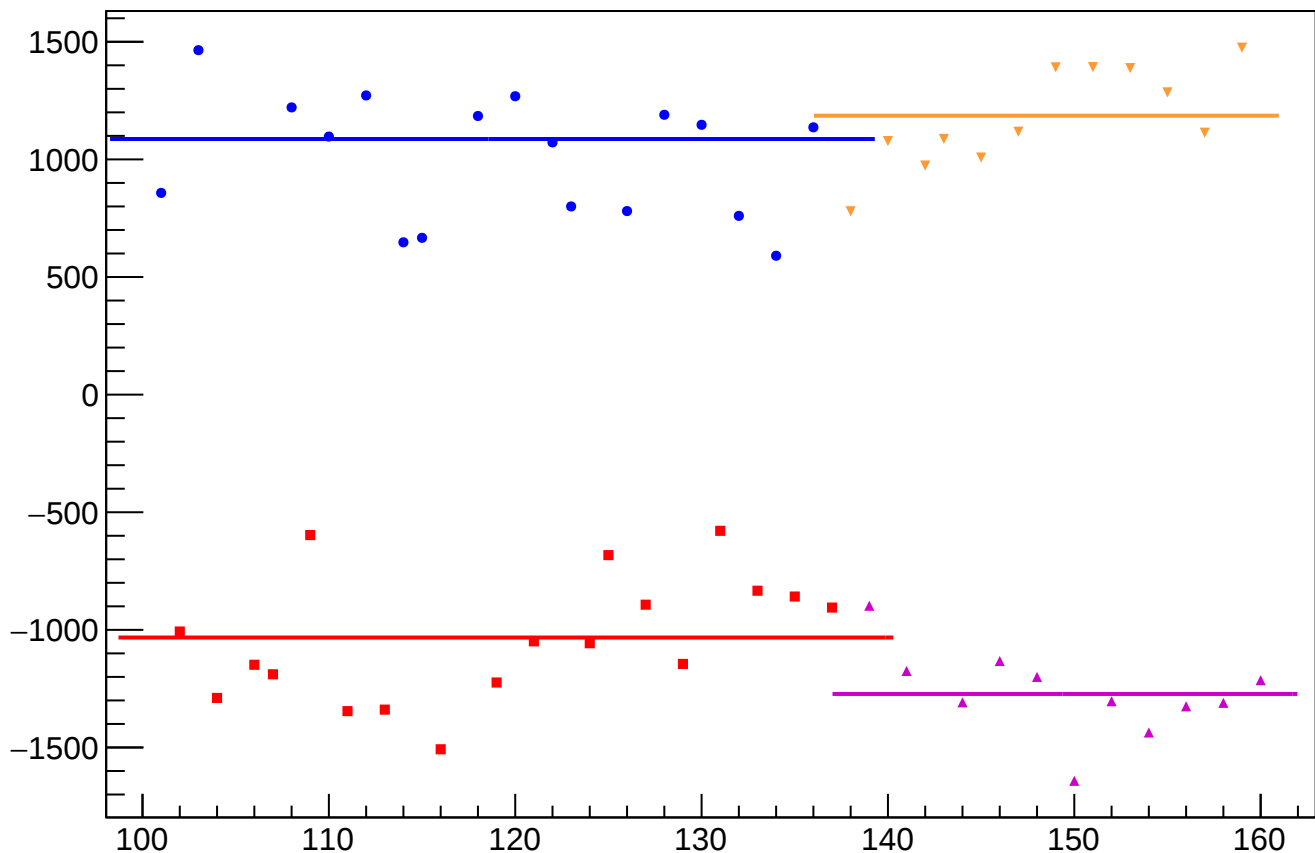
Right In: 2282.778 $\pm$ 0.000 χ^2 /NDF: 521869333583833068444115371437594771456.0/16
 Left Out: 4268.620 $\pm$ 0.000 χ^2 /NDF: 576373438836983826408088908187698200576.0/11
 Right Out: -2149.386 $\pm$ 0.000 χ^2 /NDF: 320631411360836158094549979591860027392.0/17
 Left In: -4401.016 $\pm$ 0.000 χ^2 /NDF: 271313470445828573503909403246788083712.0/10
 All: -54.917 $\pm$ 0.000 χ^2 /NDF: 432342881547

dit_sam7_coil3_err_mean vs Slug, Sign Corrected



Right In: 117.825+/-0.000 χ^2/NDF : 6199421197695716182570916449760575488.0/16
 Left Out: 102.028+/-0.000 χ^2/NDF : 177124098717282134999436009607790592.0/11
 Right Out: -122.099+/-0.000 χ^2/NDF : 6546124684147045667679194482005245952.0/17
 Left In: -105.016+/-0.000 χ^2/NDF : 98103905520424947900201643718737920.0/10
 All: -3.312+/-0.000 χ^2/NDF : 5303102045081

dit_sam7_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695+/-0.000

χ^2/NDF : 34612834720892896264590202148866752512.0/16

Left Out: 1185.823+/-0.000

χ^2/NDF : 37557683033316568818198536296895348736.0/11

Right Out: -1032.544+/-0.000

χ^2/NDF : 47614887029691398867923382029973979136.0/17

Left In: -1272.495+/-0.000

χ^2/NDF : 29878198288838193261445678233542459392.0/10

Left: -59.351+/-0.000 χ^2/NDF : 2849915835351934

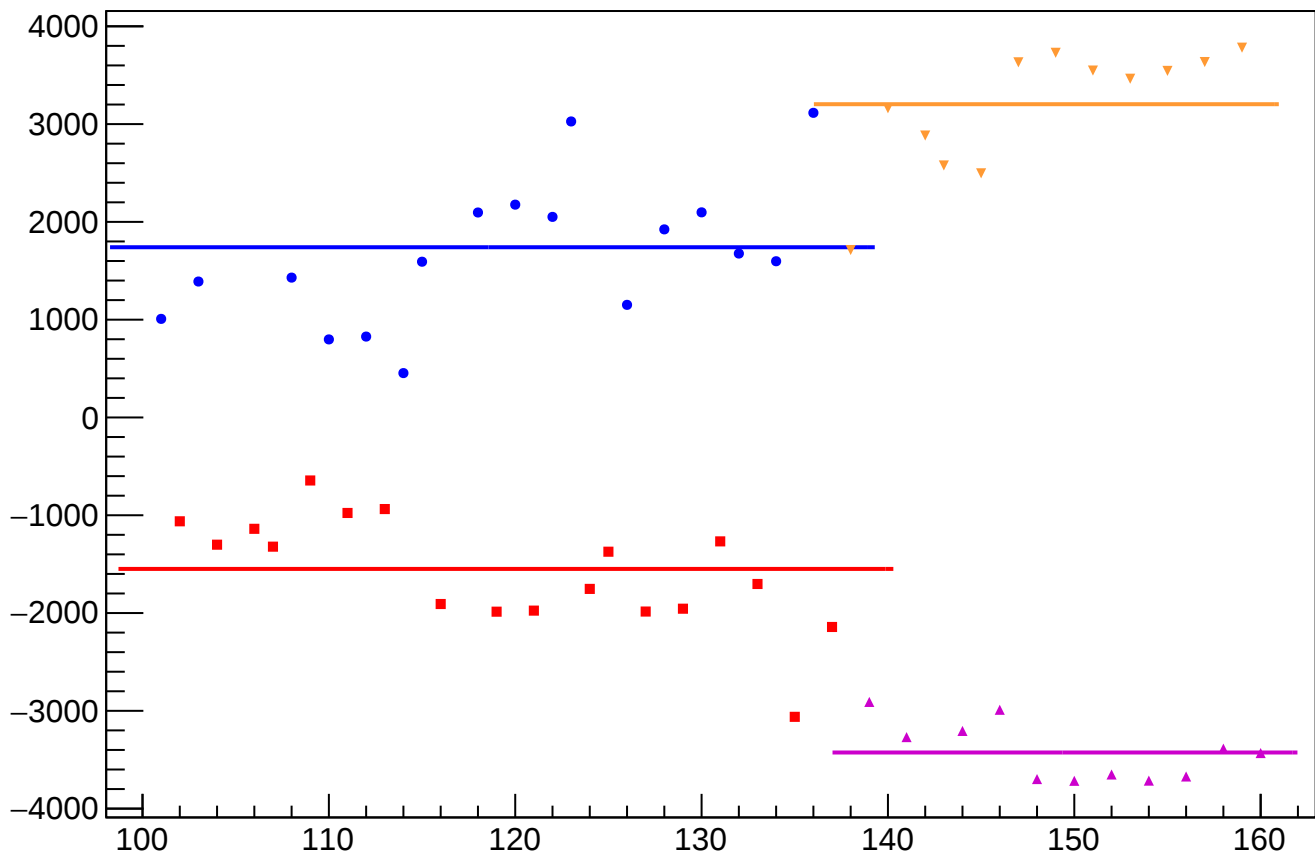
Right: 11.282+/-0.000 χ^2/NDF : 1663891694726158

In: -266.178+/-0.000 χ^2/NDF : 2279519380852013

Out: 209.140+/-0.000 χ^2/NDF : 2054648458206867

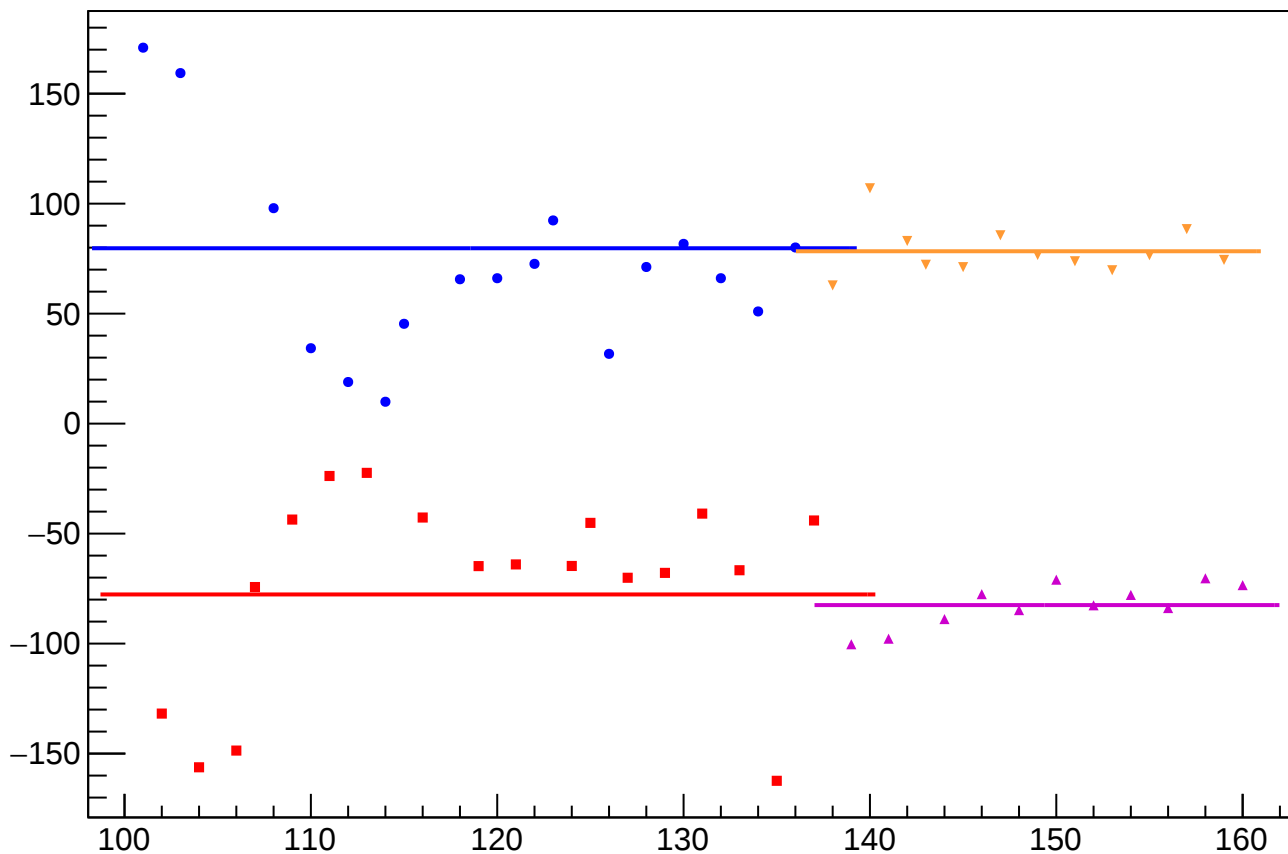
All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_sam8_coil3_mean vs Slug, Sign Corrected



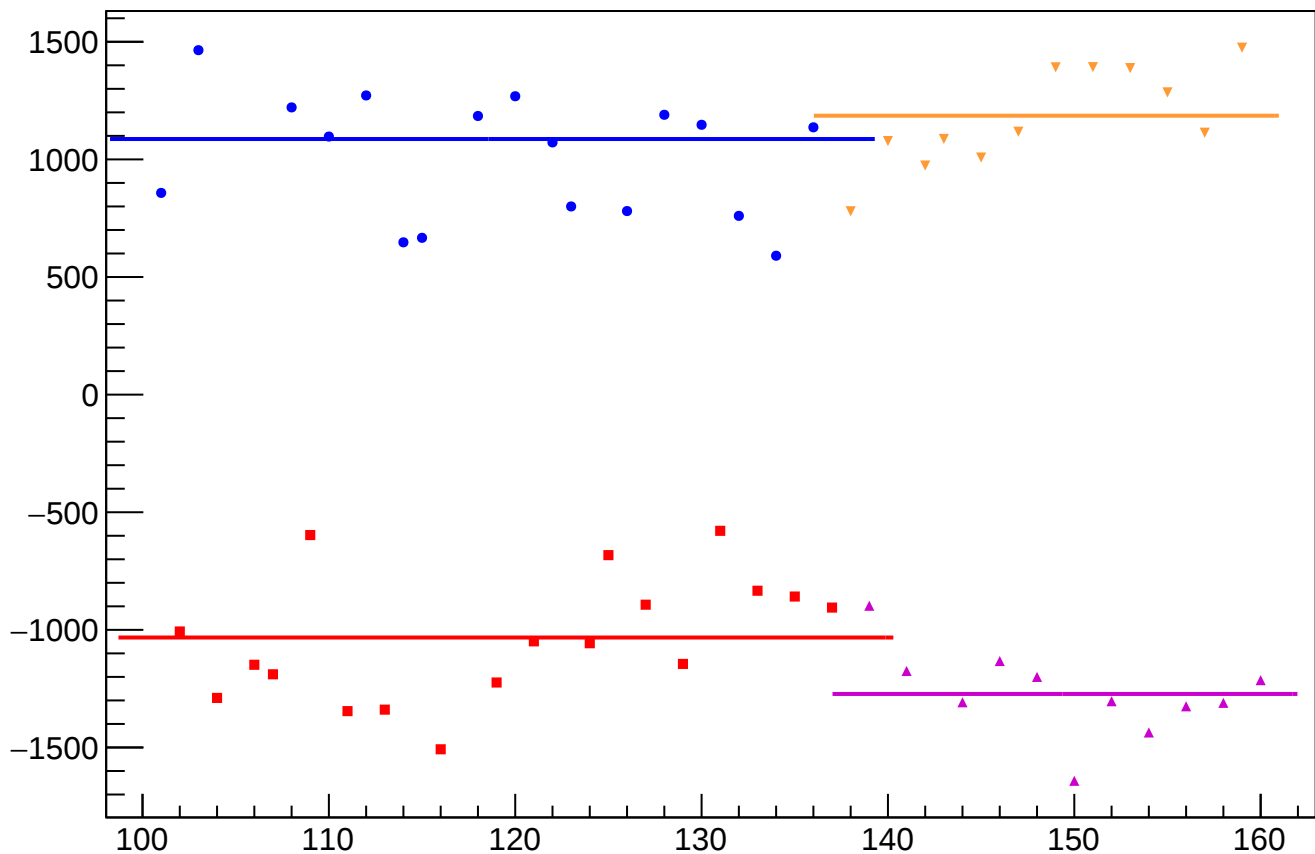
Right In: 1740.720+/-0.000 χ^2/NDF : 348962001897552007024222547428010622976.0/16
 Left Out: 3203.449+/-0.000 χ^2/NDF : 345784551251095236762093437118983438336.0/11
 Right Out: -1548.740+/-0.000 χ^2/NDF : 255013280564316736413287354207314116608.0/17
 Left In: -3426.091+/-0.000 χ^2/NDF : 74472499127256765634021143910696353792.0/10
 All: -56.566+/-0.000 χ^2/NDF : 251115987622

dit_sam8_coil3_err_mean vs Slug, Sign Corrected



Left: -3.117 +/- 0.000 χ^2/NDF : 12111827942565008
 Right In: 79.722 +/- 0.000 χ^2/NDF : 1349884201001122025991797772619087872.0/16
 Right: -0.141 +/- 0.000 χ^2/NDF : 1155638622518713
 Left Out: 78.356 +/- 0.000 χ^2/NDF : 114896120803259231895139298203140096.0/11
 In: -13.300 +/- 0.000 χ^2/NDF : 11906717580621283
 Right Out: -77.658 +/- 0.000 χ^2/NDF : 1483793243606577649503828870787235840.0/17
 Out: 9.667 +/- 0.000 χ^2/NDF : 113398223986127251
 Left In: -82.494 +/- 0.000 χ^2/NDF : 84649934677405665053102578448990208.0/10
 All: -1.827 +/- 0.000 χ^2/NDF : 2367528402707

dit_sam8_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.695+/-0.000

χ^2/NDF : 34612834720892896264590202148866752512.0/16

Left Out: 1185.823+/-0.000

χ^2/NDF : 37557683033316568818198536296895348736.0/11

Right Out: -1032.544+/-0.000

χ^2/NDF : 47614887029691398867923382029973979136.0/17

Left In: -1272.495+/-0.000

χ^2/NDF : 29878198288838193261445678233542459392.0/10

Left: -59.351+/-0.000 χ^2/NDF : 2849915835351934

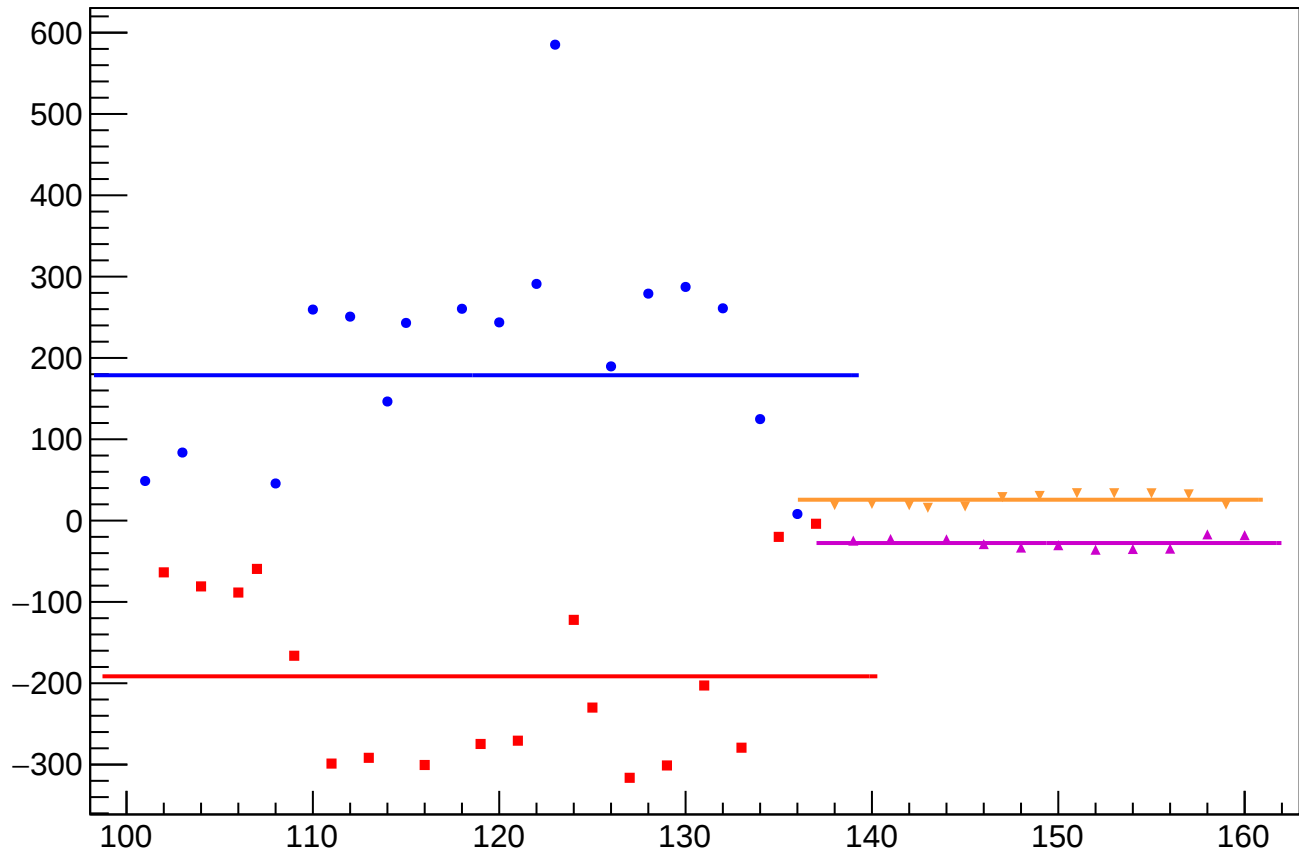
Right: 11.282+/-0.000 χ^2/NDF : 1663891694726158

In: -266.178+/-0.000 χ^2/NDF : 2279519380852013

Out: 209.140+/-0.000 χ^2/NDF : 2054648458206867

All: -28.738+/-0.000 χ^2/NDF : 451779050699

dit_4aX_coil7_mean vs Slug, Sign Corrected



Right In: 178.734+/-0.000

χ^2/NDF : 8494804765562228204327834177712947200.0/16

Left Out: 25.670+/-0.000

χ^2/NDF : 43615942339742127541727339141398528.0/11

Right Out: -191.483+/-0.000

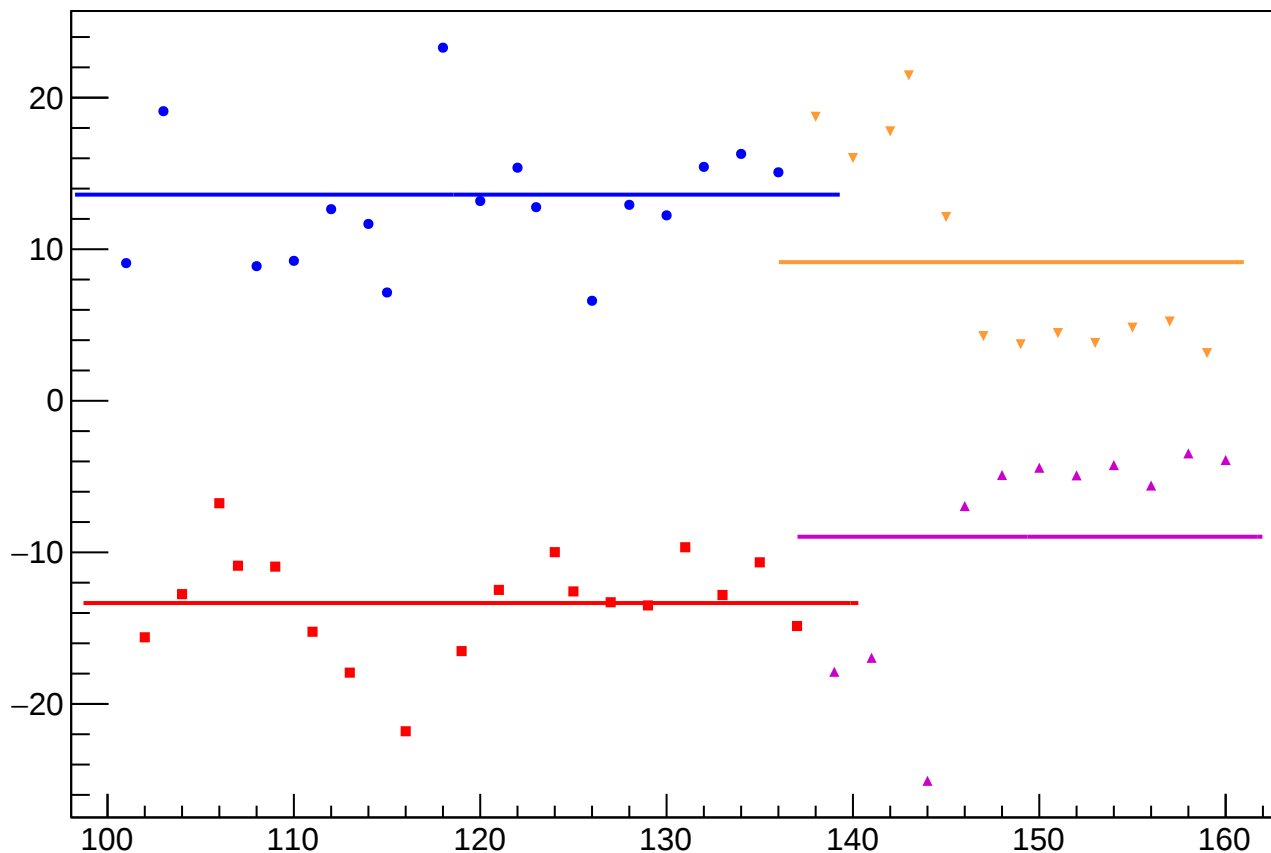
χ^2/NDF : 8150461362250913614126902389436841984.0/17

Left In: -27.579+/-0.000

χ^2/NDF : 39364281565589269782784177585782784.0/10

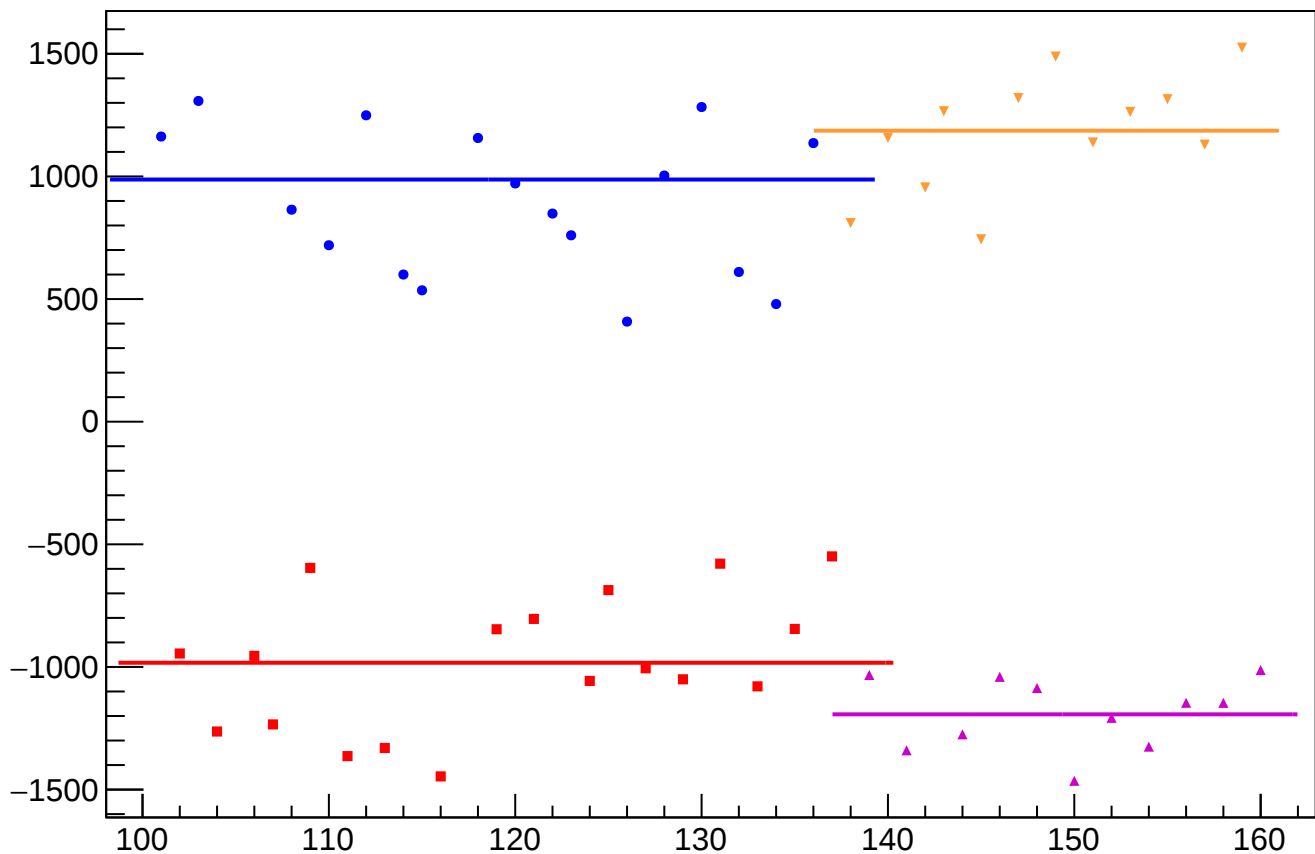
All: -4.696+/-0.000 χ^2/NDF : 6635167668479

dit_4aX_coil7_err_mean vs Slug, Sign Corrected



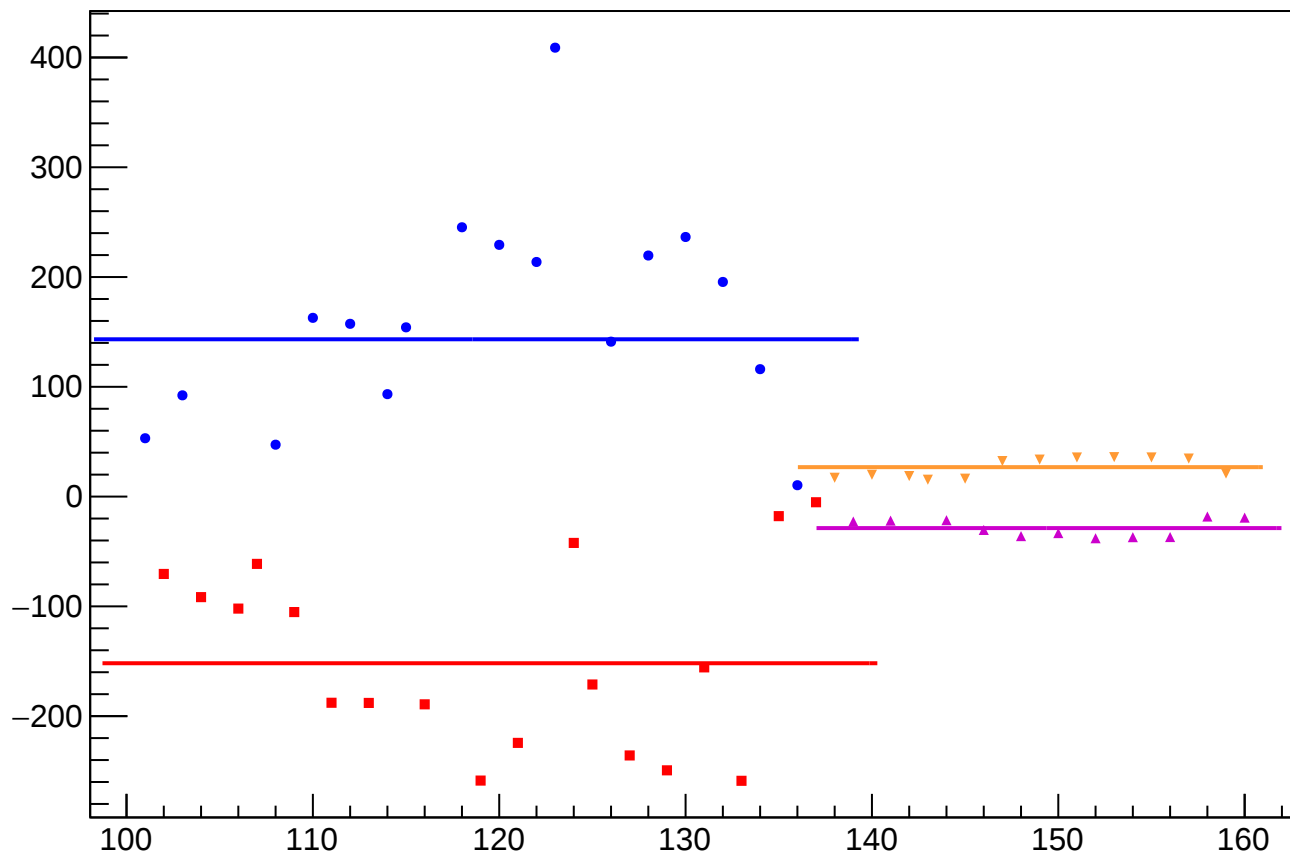
Left: -0.027 ± 0.000 $\chi^2/\text{NDF}: 23786914105617751$
 Right In: 13.603 ± 0.000 $\chi^2/\text{NDF}: 12735243270159378009596948914372608.0/16$
 Right: -0.071 ± 0.000 $\chi^2/\text{NDF}: 2752368214719958$
 Left Out: 9.150 ± 0.000 $\chi^2/\text{NDF}: 39277872742254074386096302311079936.0/11$
 In: 0.659 ± 0.000 $\chi^2/\text{NDF}: 2629356509747329070$
 Right Out: -13.343 ± 0.000 $\chi^2/\text{NDF}: 6808158047357444632184742387646464.0/17$
 Out: -0.753 ± 0.000 $\chi^2/\text{NDF}: 24855008569654434$
 Left In: -8.968 ± 0.000 $\chi^2/\text{NDF}: 47457578467091168331445311669010432.0/10$
 All: -0.046 ± 0.000 $\chi^2/\text{NDF}: 5131074728733$

dit_4aX_coil7_Ndata_mean vs Slug, Sign Corrected



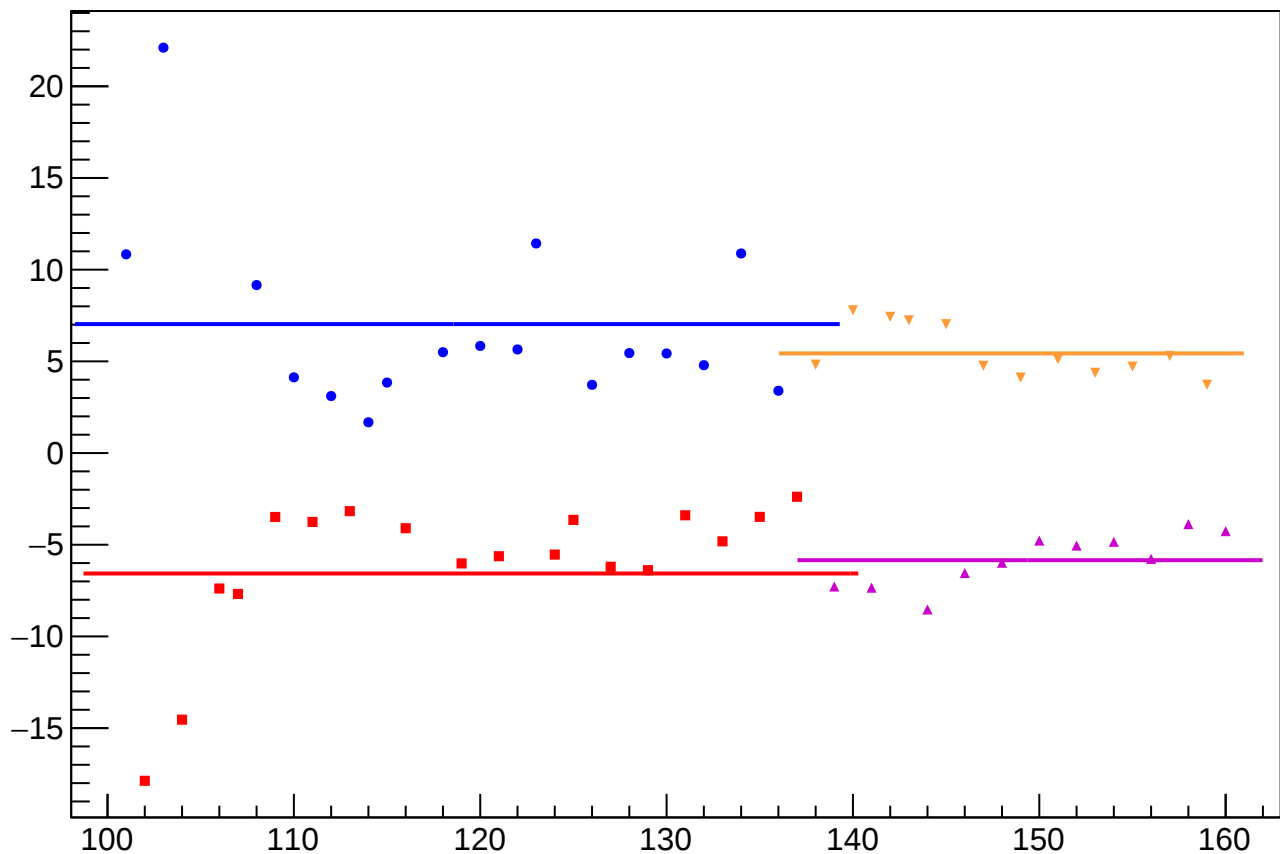
Right In: 987.388+/-0.000	χ^2/NDF : 52571386835815299758771040245189181440.0/16	Left: -18.822+/-0.000	χ^2/NDF : 2676111842139268
Left Out: 1186.594+/-0.000	χ^2/NDF : 49763362019555548841298308984106647552.0/11	Right: -12.404+/-0.000	χ^2/NDF : 146772402174972
Right Out: -982.831+/-0.000	χ^2/NDF : 48106250951114292454819733992816771072.0/17	In: -263.084+/-0.000	χ^2/NDF : 1963690344467940
Left In: -1193.230+/-0.000	χ^2/NDF : 18719715189237327364686937904868491264.0/10	Out: 231.459+/-0.000	χ^2/NDF : 1981402088557405
	All: -16.040+/-0.000	χ^2/NDF : 414386874879	

dit_4eX_coil7_mean vs Slug, Sign Corrected



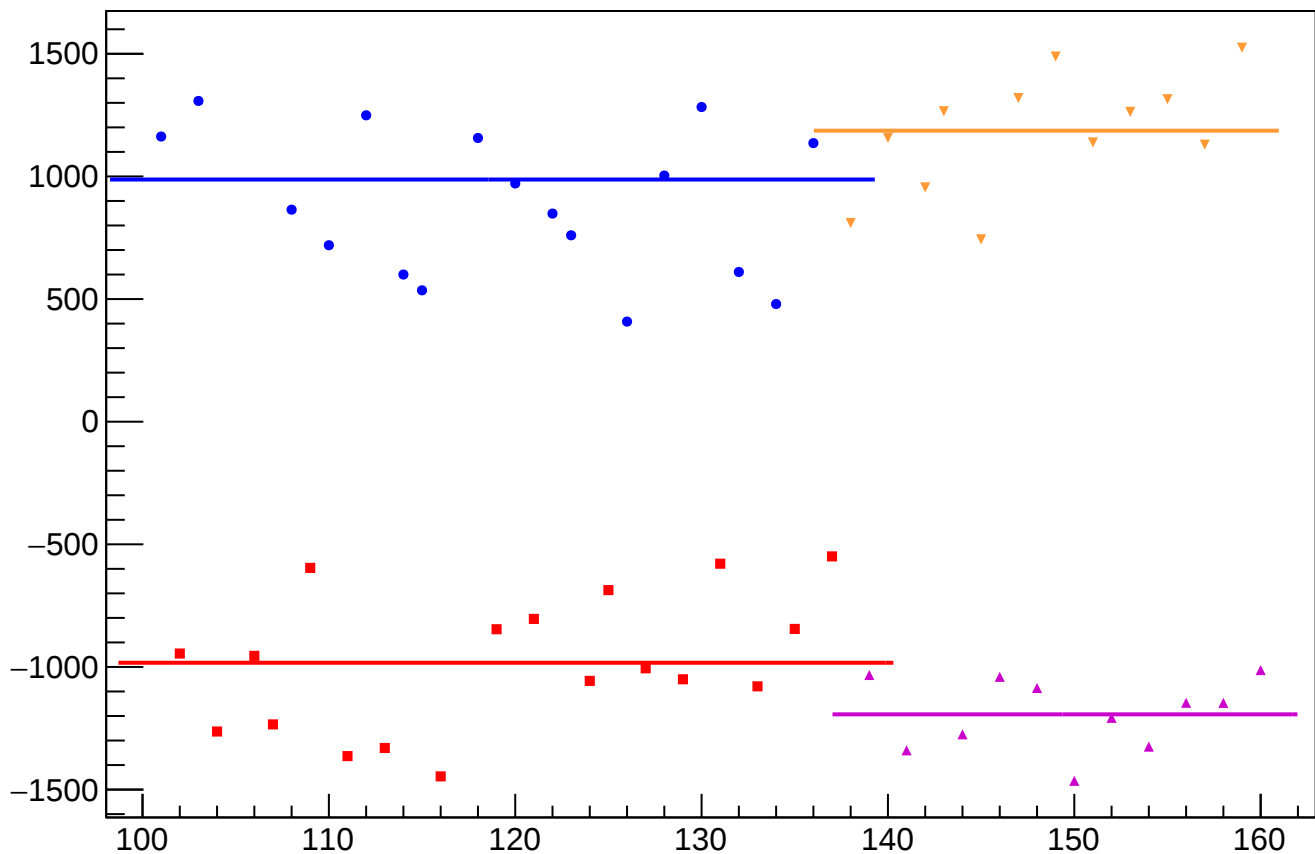
Left: -1.307 ± 0.000 $\chi^2/\text{NDF}: 15373366738372324$
 Right In: 143.291 ± 0.000 $\chi^2/\text{NDF}: 4778890435983165530583685149403119616.0/16$
 Right: -6.463 ± 0.000 $\chi^2/\text{NDF}: 4010201428427812$
 Left Out: 26.816 ± 0.000 $\chi^2/\text{NDF}: 64568009381250036040665945578930176.0/11$
 In: 44.660 ± 0.000 $\chi^2/\text{NDF}: 166056099659481743$
 Right Out: -151.819 ± 0.000 $\chi^2/\text{NDF}: 4652479354515348530637943017457057792.0/17$
 Out: -51.832 ± 0.000 $\chi^2/\text{NDF}: 1748773980809143$
 Left In: -28.706 ± 0.000 $\chi^2/\text{NDF}: 53446645713086882216161894618628096.0/10$
 All: -3.542 ± 0.000 $\chi^2/\text{NDF}: 4166057435193$

dit_4eX_coil7_err_mean vs Slug, Sign Corrected



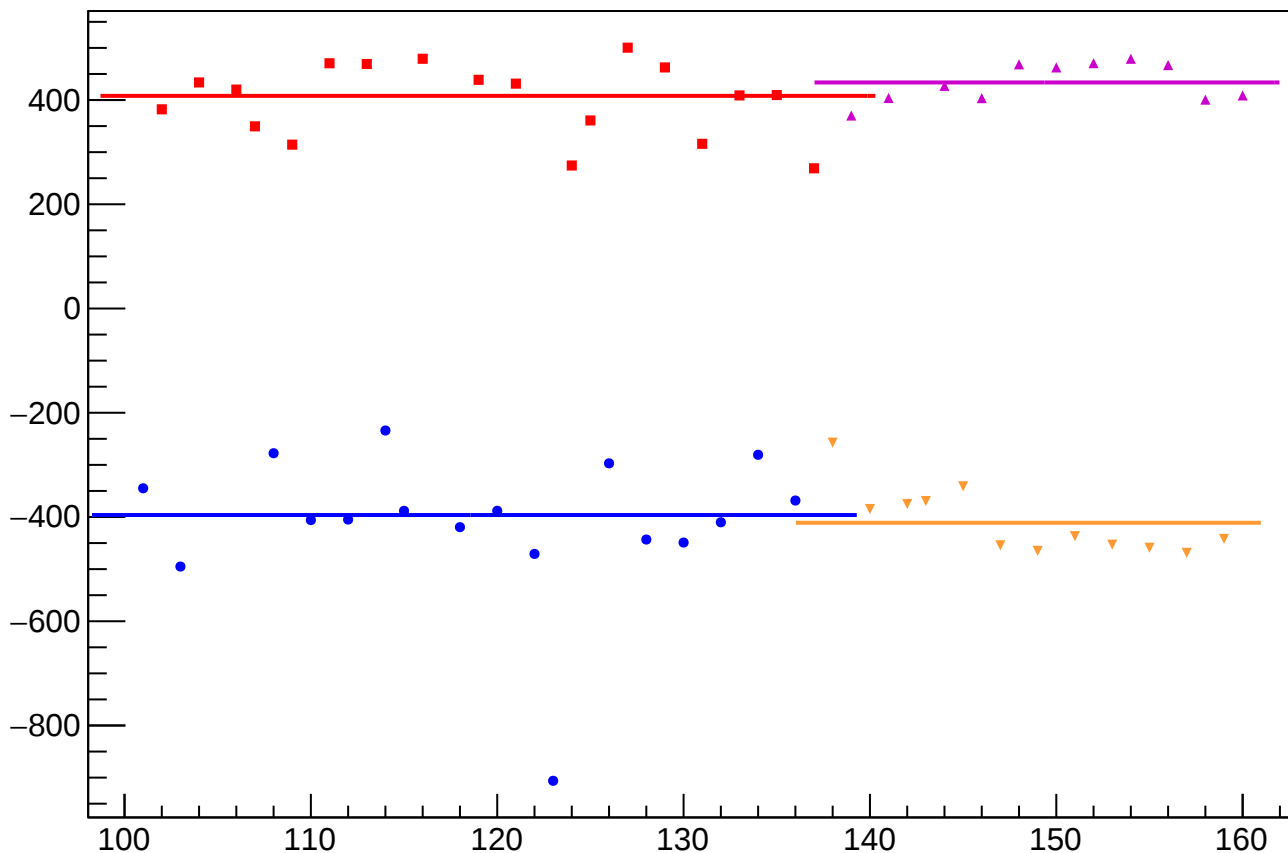
Right In: 7.031+/-0.000 χ^2/NDF : 18686972393169306014765519518826496.0/16
 Left Out: 5.434+/-0.000 χ^2/NDF : 1641961615493557983490036107051008.0/11
 Right Out: -6.568+/-0.000 χ^2/NDF : 13908005278630821419370553666437120.0/17
 Left In: -5.842+/-0.000 χ^2/NDF : 1812226966420315112479835300036608.0/10
 All: -0.101+/-0.000 χ^2/NDF : 1598467643191

dit_4eX_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 987.388+/-0.000	χ^2/NDF : 52571386835815299758771040245189181440.0/16	Left: -18.822+/-0.000	χ^2/NDF : 2676111842139268
Left Out: 1186.594+/-0.000	χ^2/NDF : 49763362019555548841298308984106647552.0/11	Right: -12.404+/-0.000	χ^2/NDF : 146772402174972
Right Out: -982.831+/-0.000	χ^2/NDF : 48106250951114292454819733992816771072.0/17	In: -263.084+/-0.000	χ^2/NDF : 1963690344467940
Left In: -1193.230+/-0.000	χ^2/NDF : 18719715189237327364686937904868491264.0/10	Out: 231.459+/-0.000	χ^2/NDF : 1981402088557405
	All: -16.040+/-0.000	χ^2/NDF : 414386874879	

dit_11X12X_coil7_mean vs Slug, Sign Corrected



Right In: -396.205+/-0.000

Left Out: -411.042+/-0.000

Right Out: 408.004+/-0.000

Left In: 433.711+/-0.000

χ^2/NDF : 3915339787327324310697642459645607936.0/16

χ^2/NDF : 3555989077784945680272383641089212416.0/11

χ^2/NDF : 2700413725595197389596215208912617472.0/17

χ^2/NDF : 1189526132627930234621779098826964992.0/10

Left: 16.838+/-0.000 χ^2/NDF : 3333065556726431

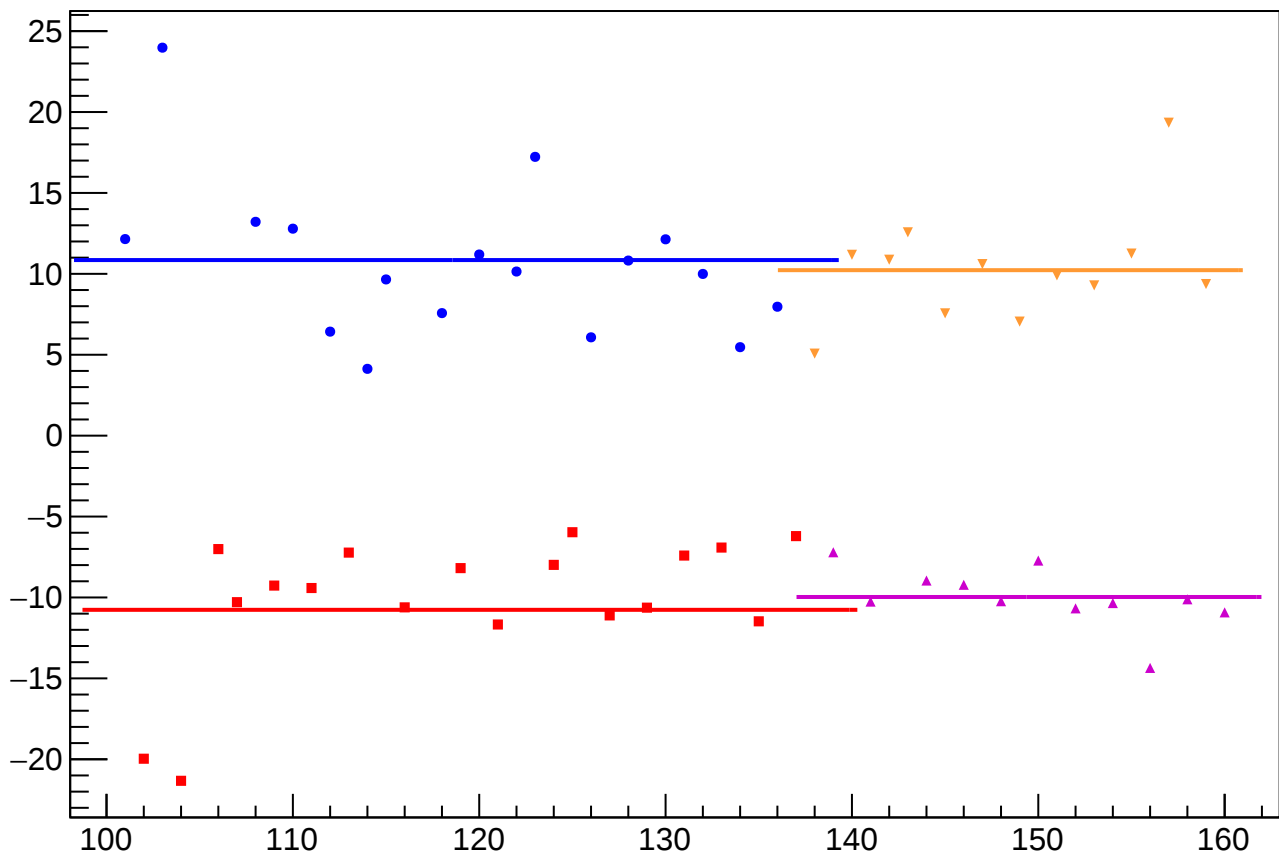
Right: 11.893+/-0.000 χ^2/NDF : 2343837724637462

In: 79.709+/-0.000 χ^2/NDF : 279213003883537718

Out: -50.440+/-0.000 χ^2/NDF : 2747299205815523

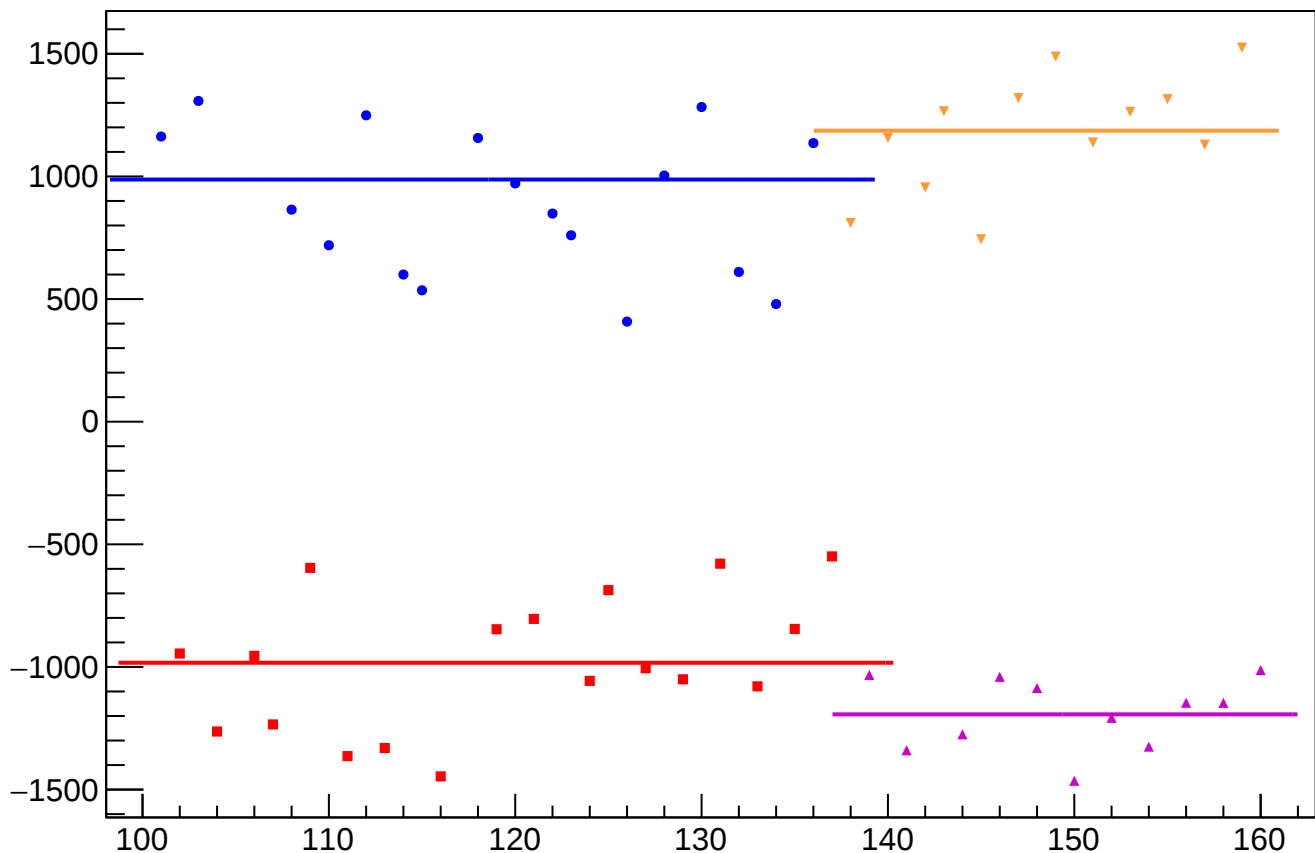
All: 14.695+/-0.000 χ^2/NDF : 5677098484078

dit_11X12X_coil7_err_mean vs Slug, Sign Corrected



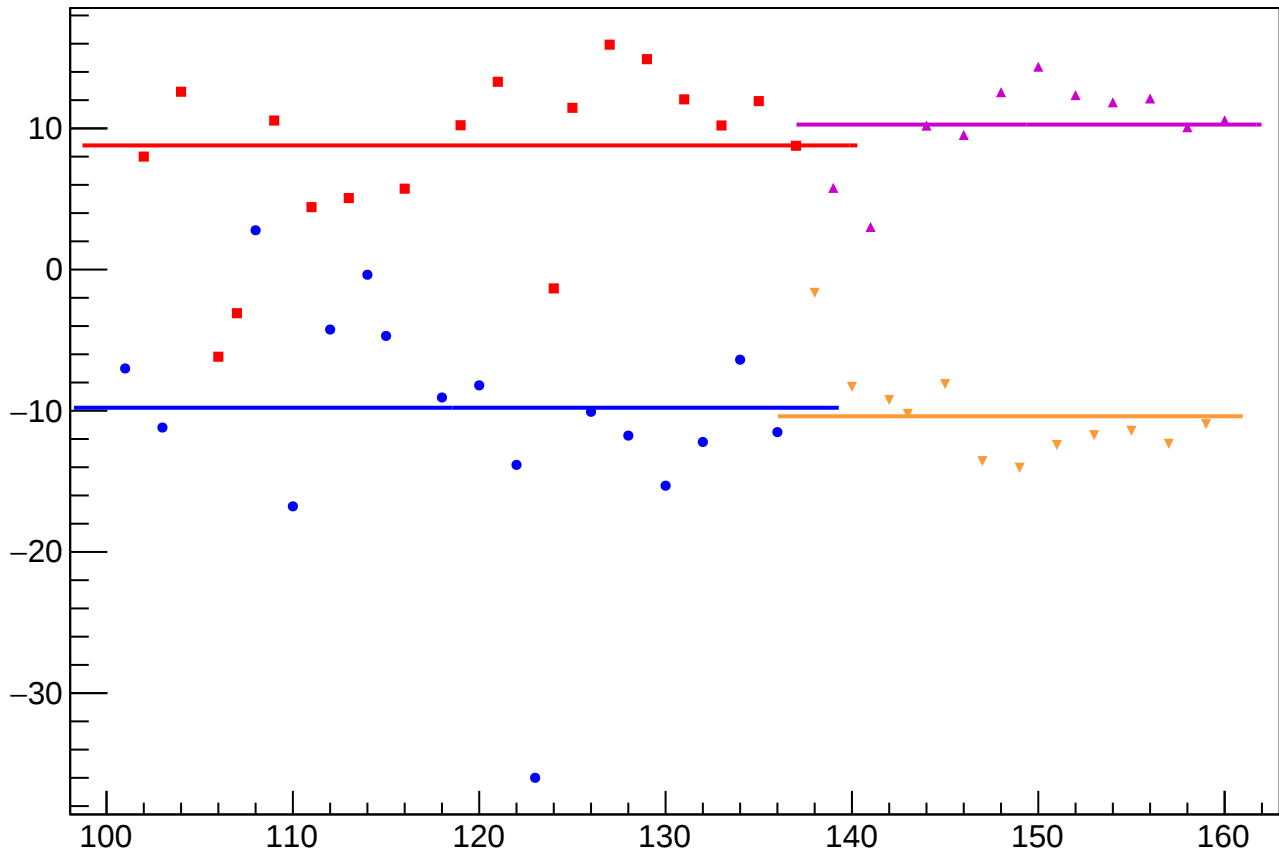
Right In: 10.851 ± 0.000 $\chi^2/\text{NDF}: 15284459899452545966128799384862720.0/16$
 Left Out: 10.227 ± 0.000 $\chi^2/\text{NDF}: 10321587584551104331954948537319424.0/11$
 Right Out: -10.764 ± 0.000 $\chi^2/\text{NDF}: 14575858748491423837639288498946048.0/17$
 Left In: -9.971 ± 0.000 $\chi^2/\text{NDF}: 2900670082842124382118820523802624.0/10$
 All: -0.053 ± 0.000 $\chi^2/\text{NDF}: 3954613272639$

dit_11X12X_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 987.388+/-0.000	χ^2/NDF : 52571386835815299758771040245189181440.0/16	Left: -18.822+/-0.000	χ^2/NDF : 2676111842139268
Left Out: 1186.594+/-0.000	χ^2/NDF : 49763362019555548841298308984106647552.0/11	Right: -12.404+/-0.000	χ^2/NDF : 146772402174972
Right Out: -982.831+/-0.000	χ^2/NDF : 48106250951114292454819733992816771072.0/17	In: -263.084+/-0.000	χ^2/NDF : 1963690344467940
Left In: -1193.230+/-0.000	χ^2/NDF : 18719715189237327364686937904868491264.0/10	Out: 231.459+/-0.000	χ^2/NDF : 1981402088557405
		All: -16.040+/-0.000	χ^2/NDF : 414386874879

dit_4aY_coil7_mean vs Slug, Sign Corrected



Right In: -9.786+/-0.000

χ^2/NDF : 17296683010620060540445571791454208.0/16

Left Out: -10.390+/-0.000

χ^2/NDF : 9553348608714345843286370808758272.0/11

Right Out: 8.794+/-0.000

χ^2/NDF : 21979472889395409230974985175040000.0/17

Left In: 10.271+/-0.000

χ^2/NDF : 9001548873812579955640597255028736.0/10

Left: 0.075+/-0.000 χ^2/NDF : 215101404895769009

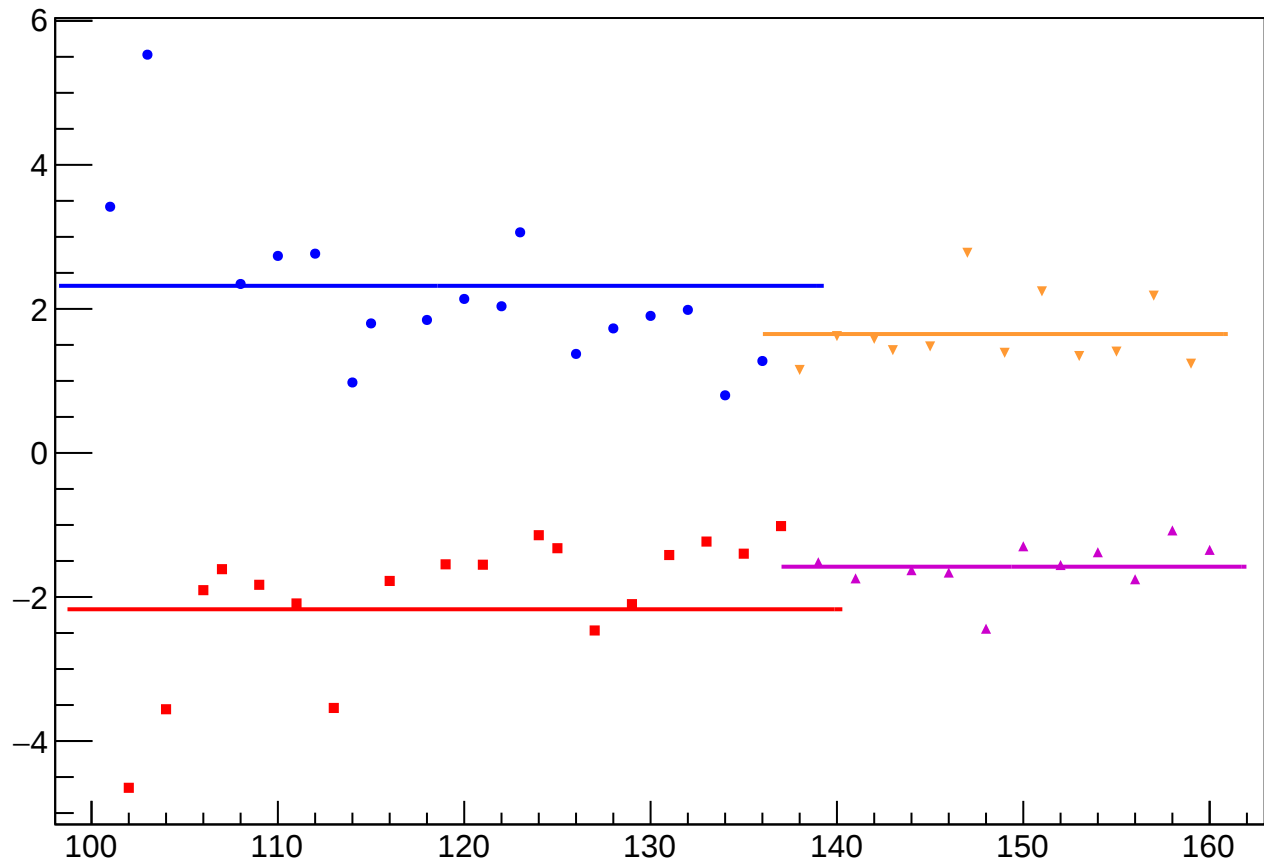
Right: -0.358+/-0.000 χ^2/NDF : 1608503325720223

In: 1.716+/-0.000 χ^2/NDF : 1863923617387902465

Out: -1.944+/-0.000 χ^2/NDF : 17882361824620851

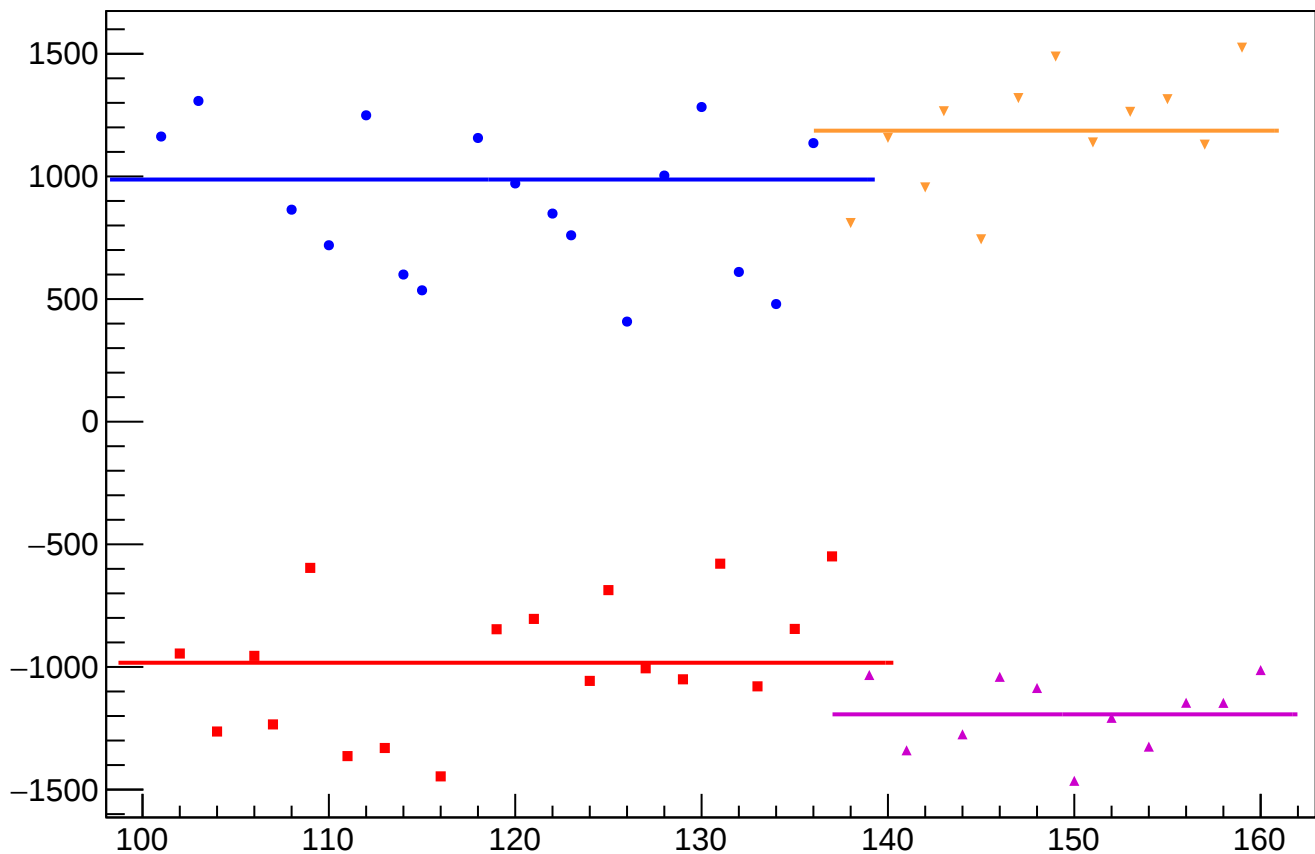
All: -0.113+/-0.000 χ^2/NDF : 3761009854551

dit_4aY_coil7_err_mean vs Slug, Sign Corrected



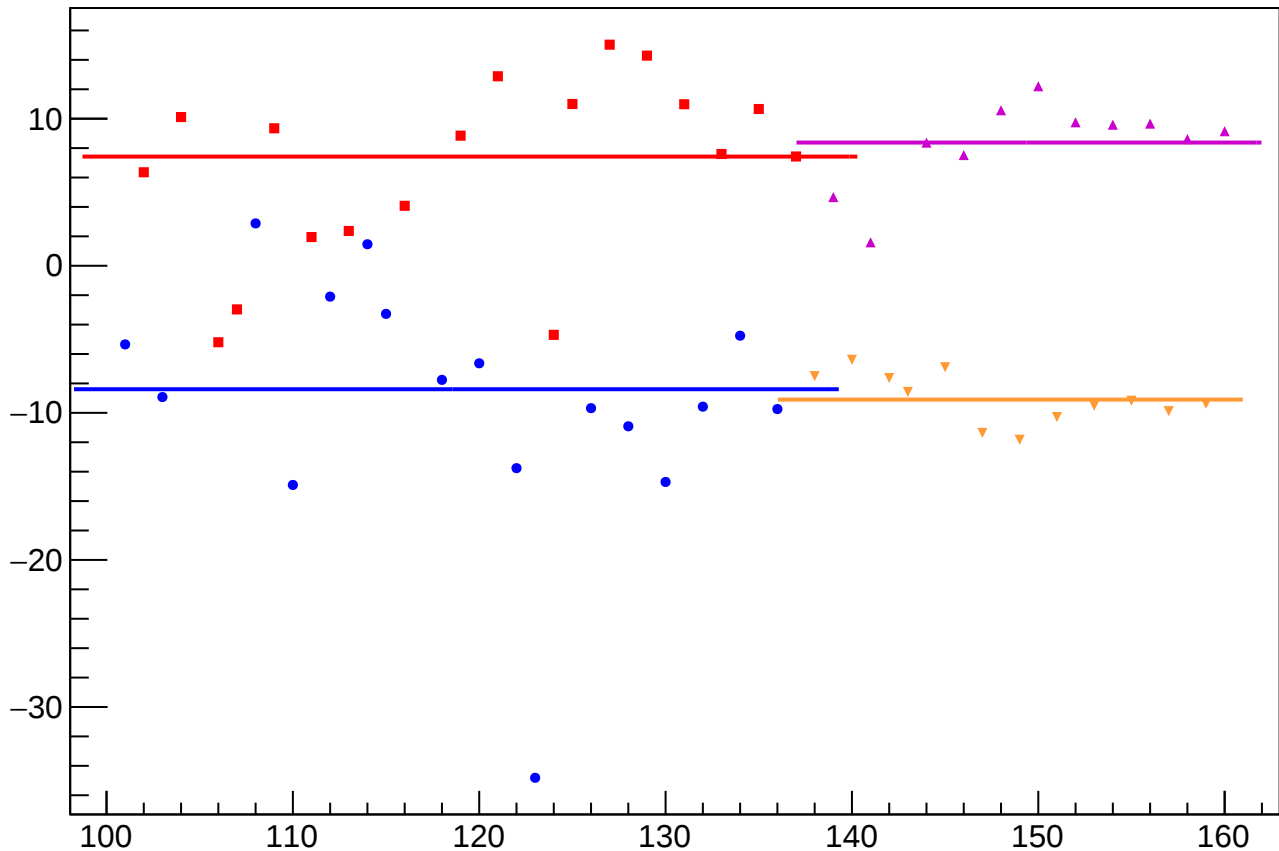
Right In: 2.320 $\pm$ 0.000 χ^2 /NDF: 951785069007432203128626661556224.0/16
 Left Out: 1.651 $\pm$ 0.000 χ^2 /NDF: 204626857159139136985355773804544.0/11
 Right Out: -2.171 $\pm$ 0.000 χ^2 /NDF: 756432905902484239494035607126016.0/17
 Left In: -1.580 $\pm$ 0.000 χ^2 /NDF: 104047648288543214499863879221248.0/10
 All: 0.026 $\pm$ 0.000 χ^2 /NDF: 13925885170207

dit_4aY_coil7_Ndata_mean vs Slug, Sign Corrected



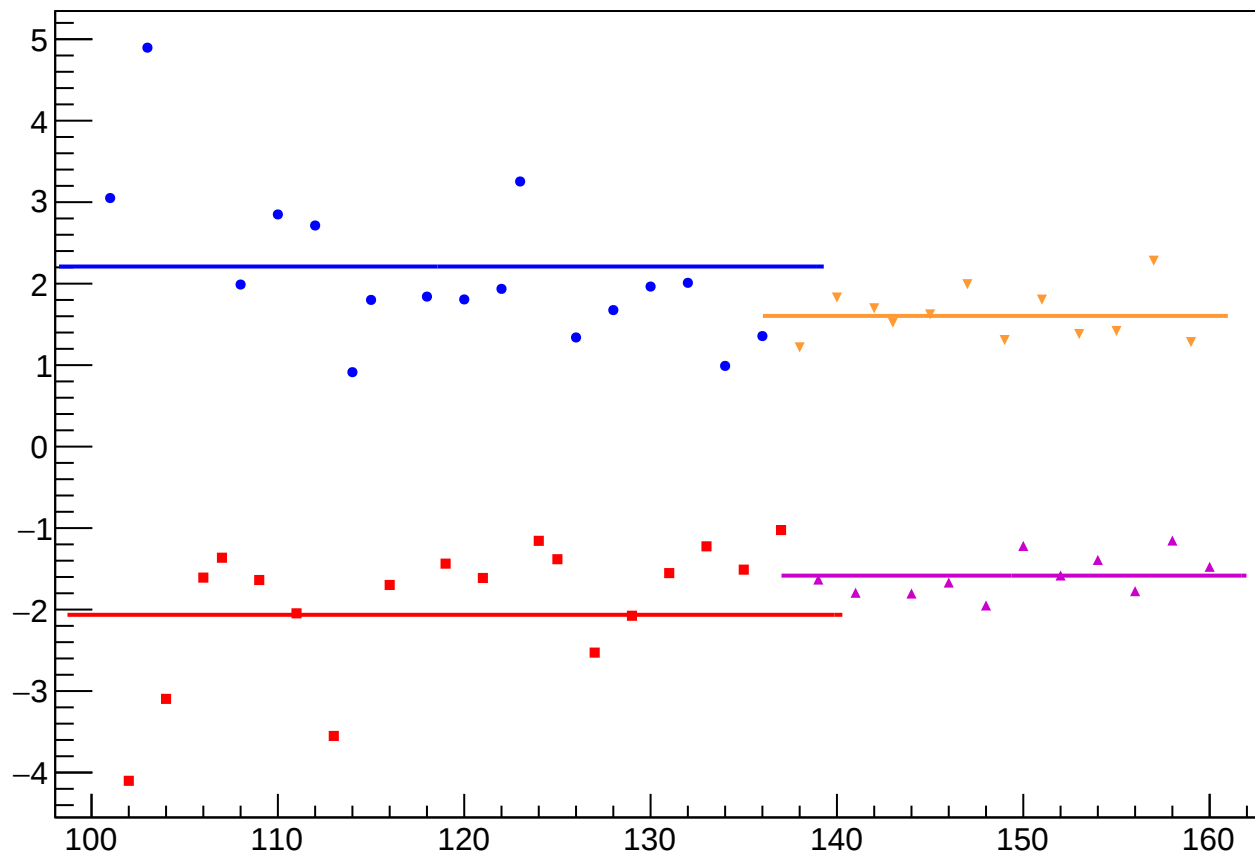
Right In: 987.388+/-0.000	χ^2/NDF : 52571386835815299758771040245189181440.0/16	Left: -18.822+/-0.000	χ^2/NDF : 2676111842139268
Left Out: 1186.594+/-0.000	χ^2/NDF : 49763362019555548841298308984106647552.0/11	Right: -12.404+/-0.000	χ^2/NDF : 146772402174972
Right Out: -982.831+/-0.000	χ^2/NDF : 48106250951114292454819733992816771072.0/17	In: -263.084+/-0.000	χ^2/NDF : 1963690344467940
Left In: -1193.230+/-0.000	χ^2/NDF : 18719715189237327364686937904868491264.0/10	Out: 231.459+/-0.000	χ^2/NDF : 1981402088557405
		All: -16.040+/-0.000	χ^2/NDF : 414386874879

dit_4eY_coil7_mean vs Slug, Sign Corrected



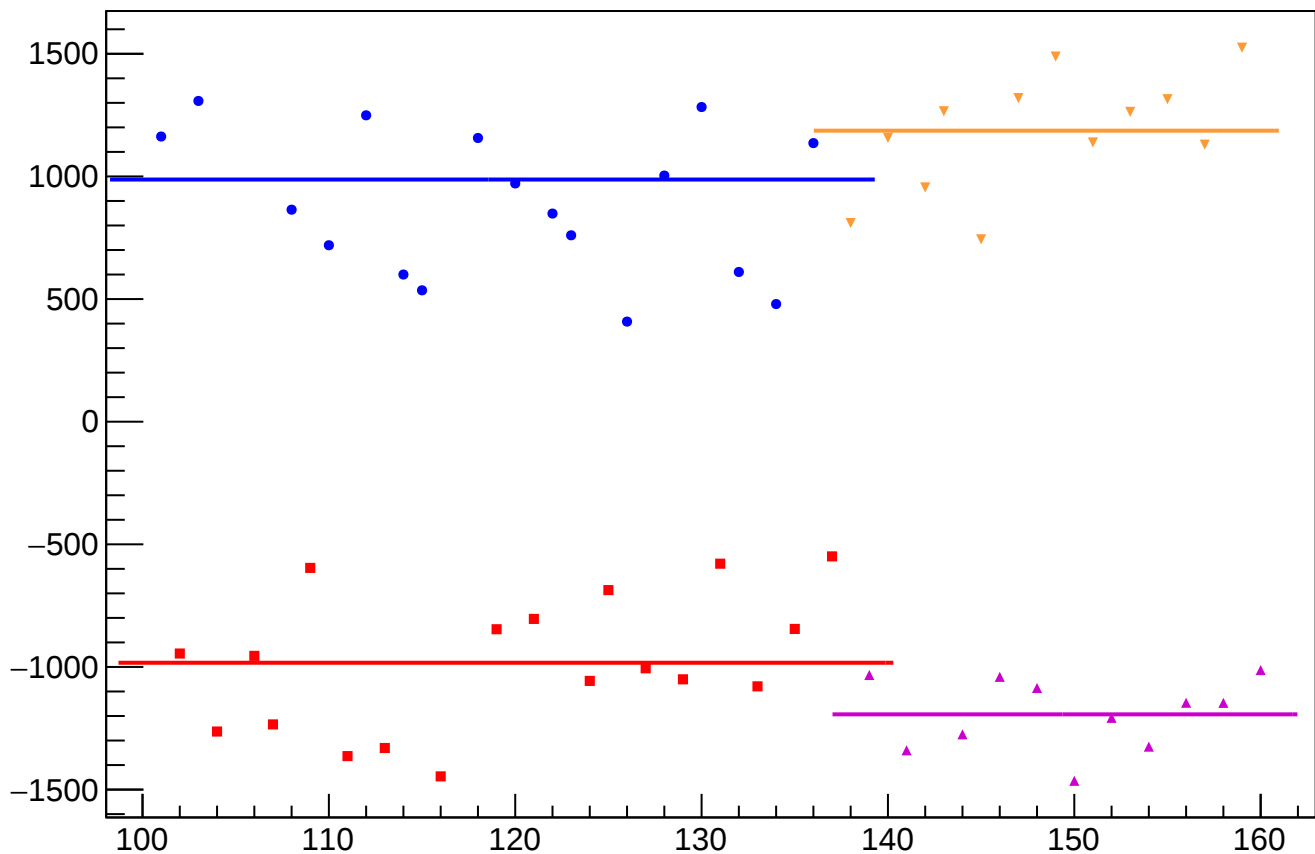
Right In: -8.394 ± 0.000 $\chi^2/\text{NDF}: 17454293749905596935063382469378048.0/16$
 Left Out: -9.098 ± 0.000 $\chi^2/\text{NDF}: 2495166400033821389722475105878016.0/11$
 Right Out: 7.423 ± 0.000 $\chi^2/\text{NDF}: 21448737498509381182656193641840640.0/17$
 Left In: 8.377 ± 0.000 $\chi^2/\text{NDF}: 7305049621104210689876244459159552.0/10$
 All: -0.299 ± 0.000 $\chi^2/\text{NDF}: 2774358772203$

dit_4eY_coil7_err_mean vs Slug, Sign Corrected



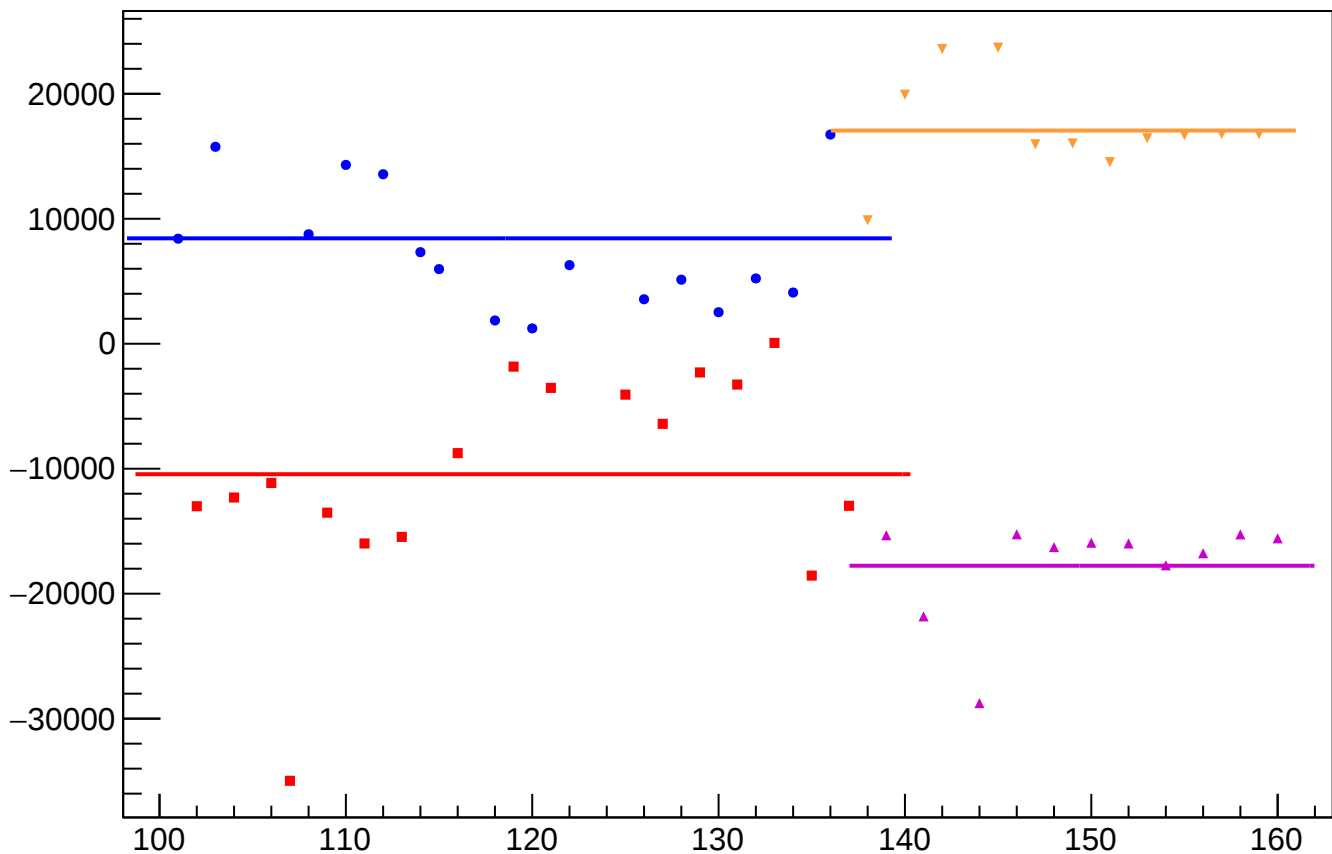
Right In: 2.210 ± 0.000 $\chi^2/\text{NDF}: 685219894303103753186103173054464.0/16$
 Left Out: 1.604 ± 0.000 $\chi^2/\text{NDF}: 88134442876960203086974867734528.0/11$
 Right Out: -2.064 ± 0.000 $\chi^2/\text{NDF}: 574315722841914805756407412948992.0/17$
 Left In: -1.583 ± 0.000 $\chi^2/\text{NDF}: 54376045146817744012212281802752.0/10$
 All: 0.012 ± 0.000 $\chi^2/\text{NDF}: 12516655106587$

dit_4eY_coil7_Ndata_mean vs Slug, Sign Corrected



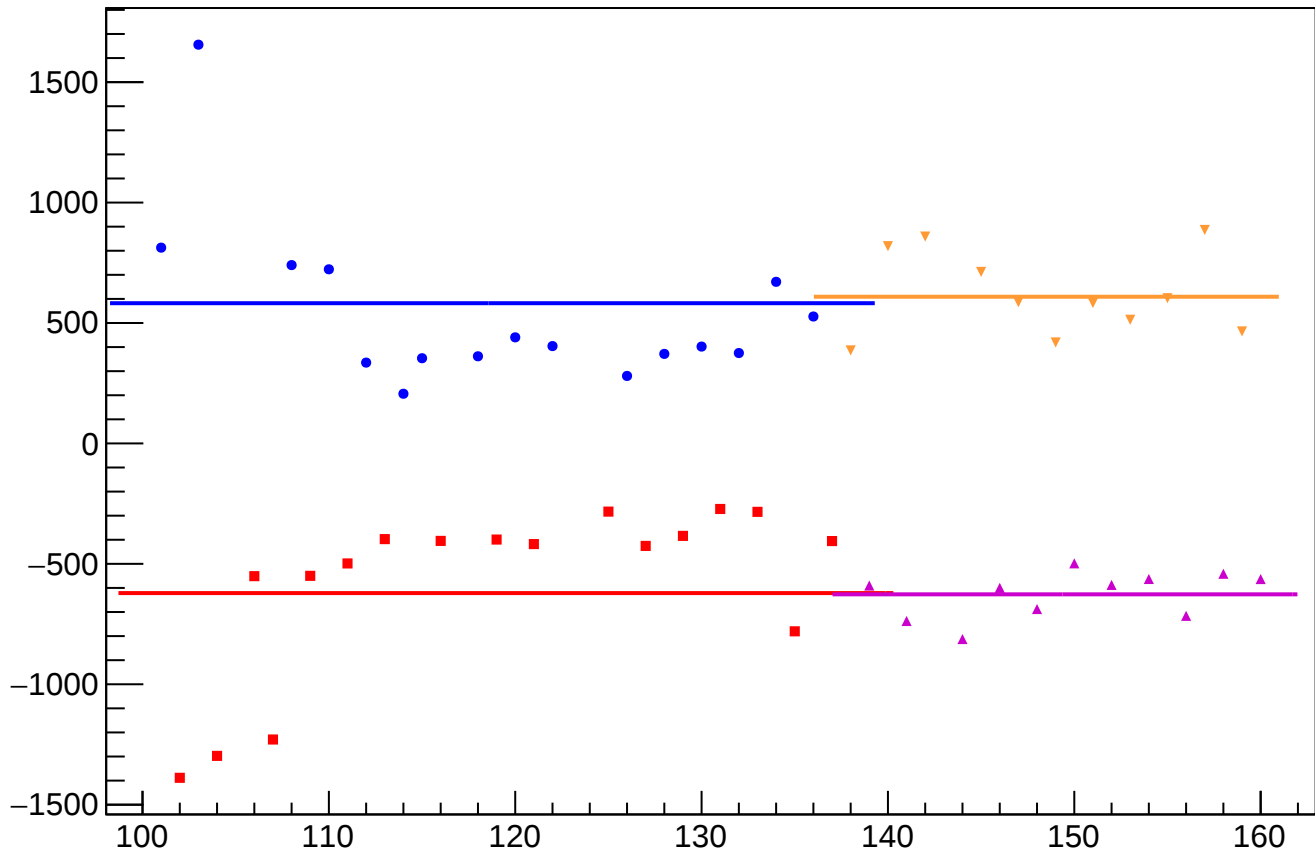
Left: -18.822 +/- 0.000 χ^2/NDF : 2676111842139268
 Right: -12.404 +/- 0.000 χ^2/NDF : 146772402174972
 In: -263.084 +/- 0.000 χ^2/NDF : 1963690344467940
 Out: 231.459 +/- 0.000 χ^2/NDF : 1981402088557405
 All: -16.040 +/- 0.000 χ^2/NDF : 414386874879

dit_usl_coil7_mean vs Slug, Sign Corrected



Right In: 8433.891+/-0.000 χ^2/NDF : 20327422028204985369763408215621299601408.0/15
 Left Out: 17058.273+/-0.000 χ^2/NDF : 10811611646396396135044758761220754898944.0/10
 Right Out: -10440.704+/-0.000 χ^2/NDF : 45868144044016746065453678570140629729280.0/16
 Left In: -17763.145+/-0.000 χ^2/NDF : 14921716045152593676189631342379599396864.0/10
 All: -1171.667+/-0.000 χ^2/NDF : 7524754338

dit_usl_coil7_err_mean vs Slug, Sign Corrected



Right In: 582.194+/-0.000

χ^2/NDF : 92652521491388929844313077938841976832.0/15

Left Out: 609.049+/-0.000

χ^2/NDF : 22435846570397404635858963221446656000.0/10

Right Out: -621.413+/-0.000

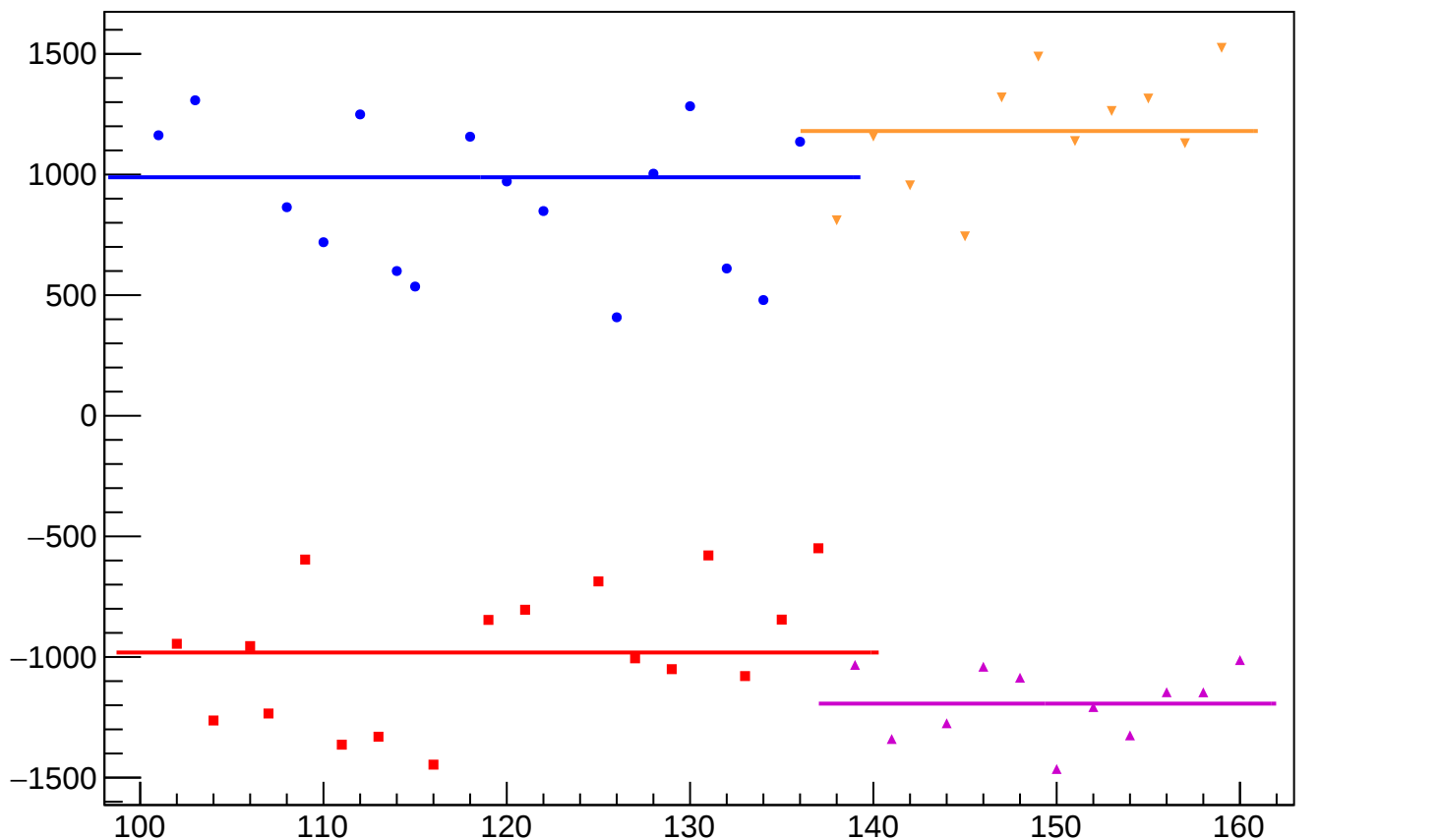
χ^2/NDF : 99044900314697449740386824149731901440.0/16

Left In: -626.604+/-0.000

χ^2/NDF : 8153830016512989620574087402930307072.0/10

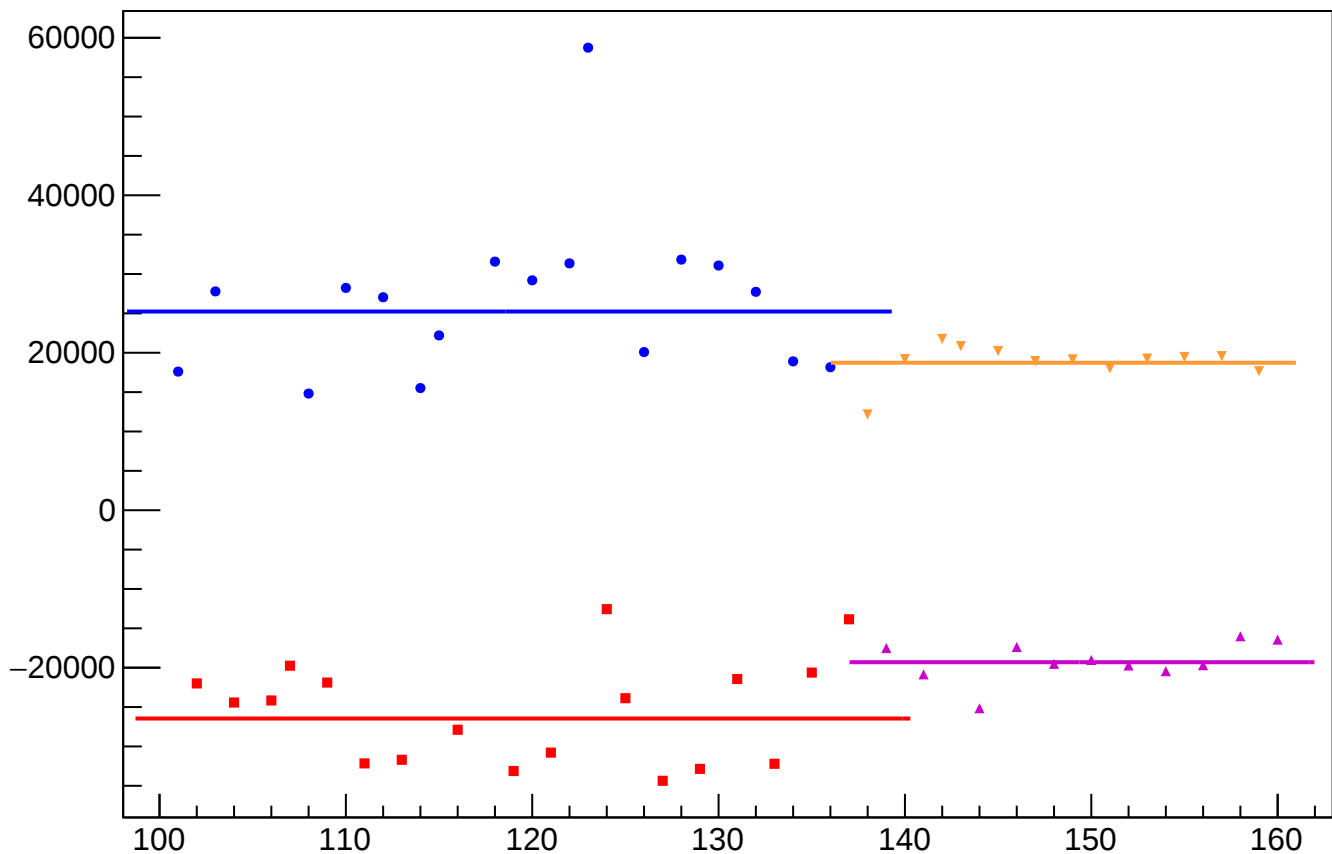
All: -33.386+/-0.000 χ^2/NDF : 140198658530

dit_usl_coil7_Ndata_mean vs Slug, Sign Corrected



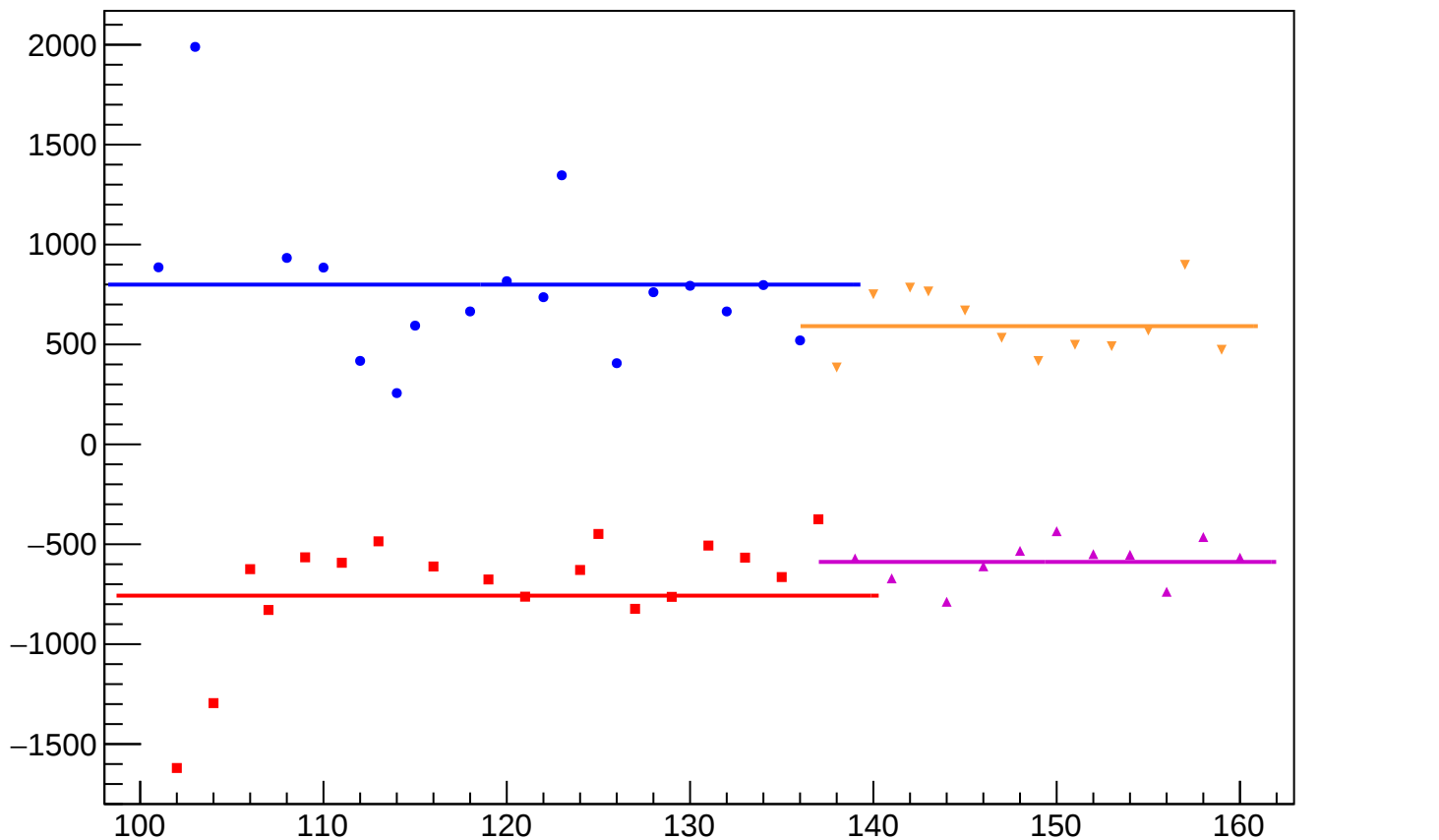
Right In: 988.706 ± 0.000 $\chi^2/\text{NDF}: 52363367379197496459026096064200441856.0/15$
 Left Out: 1180.302 ± 0.000 $\chi^2/\text{NDF}: 49311054965426356670958856612989632512.0/10$
 Right Out: -981.352 ± 0.000 $\chi^2/\text{NDF}: 48028000110939353209143459445919973376.0/16$
 Left In: -1193.230 ± 0.000 $\chi^2/\text{NDF}: 18719715189237327364686937904868491264.0/10$
 All: -39.542 ± 0.000 $\chi^2/\text{NDF}: 401447824539$

dit_usr_coil7_mean vs Slug, Sign Corrected



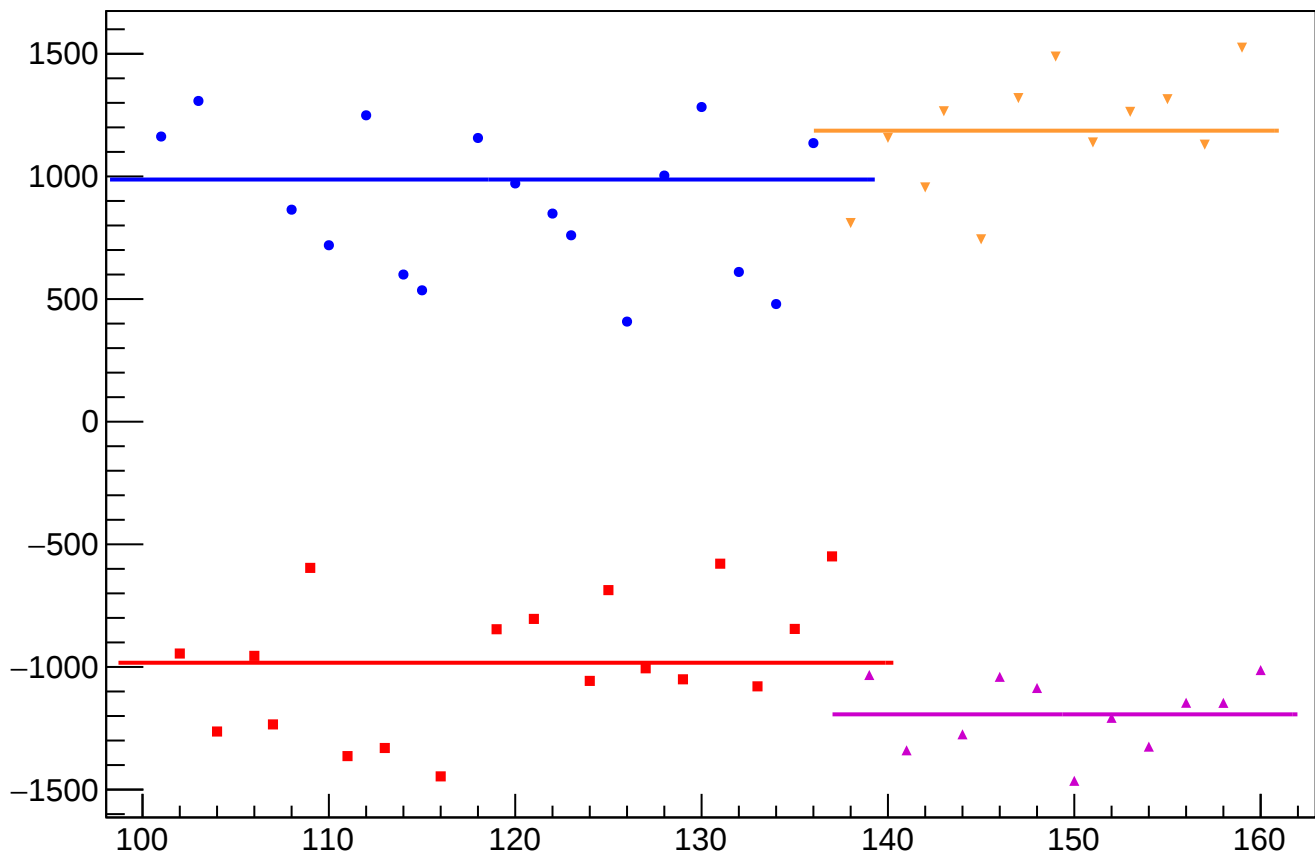
Right In: 25236.317+/-0.000 χ^2/NDF : 29071522213059582283269412071648973029376.0/16
 Left Out: 18733.088+/-0.000 χ^2/NDF : 4548859708795276009115062862764547506176.0/11
 Right Out: -26455.988+/-0.000 χ^2/NDF : 24365500126615965846523683173160051539968.0/17
 Left In: -19304.267+/-0.000 χ^2/NDF : 5534312846763223984199919197299769606144.0/10
 All: -733.477+/-0.000 χ^2/NDF : 16708833961

dit_usr_coil7_err_mean vs Slug, Sign Corrected



Right In: 799.524+/-0.000 χ^2/NDF : 112536154235498414231657645251770712064.0/16
 Left Out: 591.628+/-0.000 χ^2/NDF : 22099670593221557738114196407951818752.0/11
 Right Out: -757.193+/-0.000 χ^2/NDF : 76794158982285513543711222288246374400.0/17
 Left In: -588.417+/-0.000 χ^2/NDF : 9911176401969663265546101605651185664.0/10
 All: 0.699+/-0.000 χ^2/NDF : 17161176643386

dit_usr_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 987.388+/-0.000

χ^2/NDF : 52571386835815299758771040245189181440.0/16

Left Out: 1186.594+/-0.000

χ^2/NDF : 49763362019555548841298308984106647552.0/11

Right Out: -982.831+/-0.000

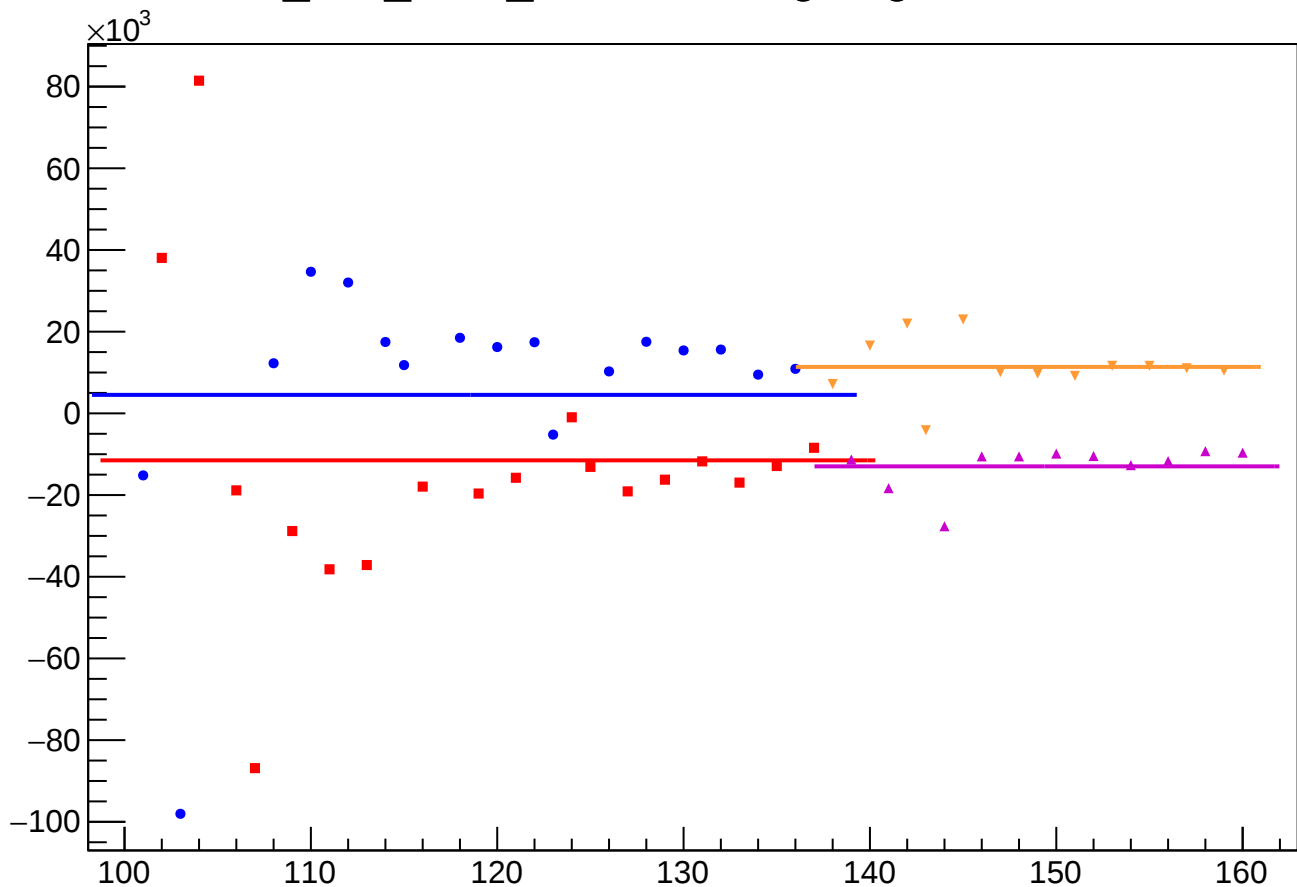
χ^2/NDF : 48106250951114292454819733992816771072.0/17

Left In: -1193.230+/-0.000

χ^2/NDF : 18719715189237327364686937904868491264.0/10

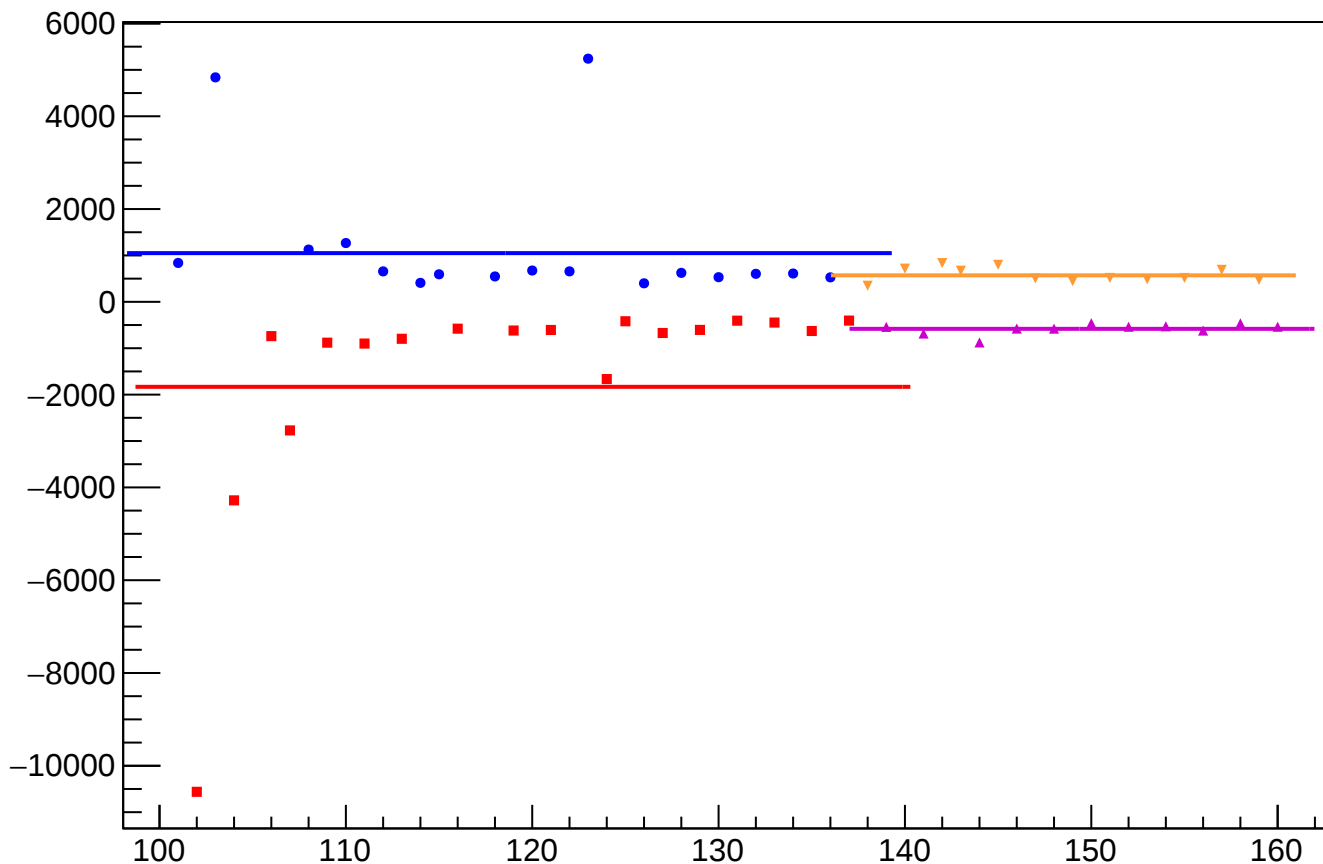
All: -16.040+/-0.000 χ^2/NDF : 414386874879

dit_atl1_coil7_mean vs Slug, Sign Corrected



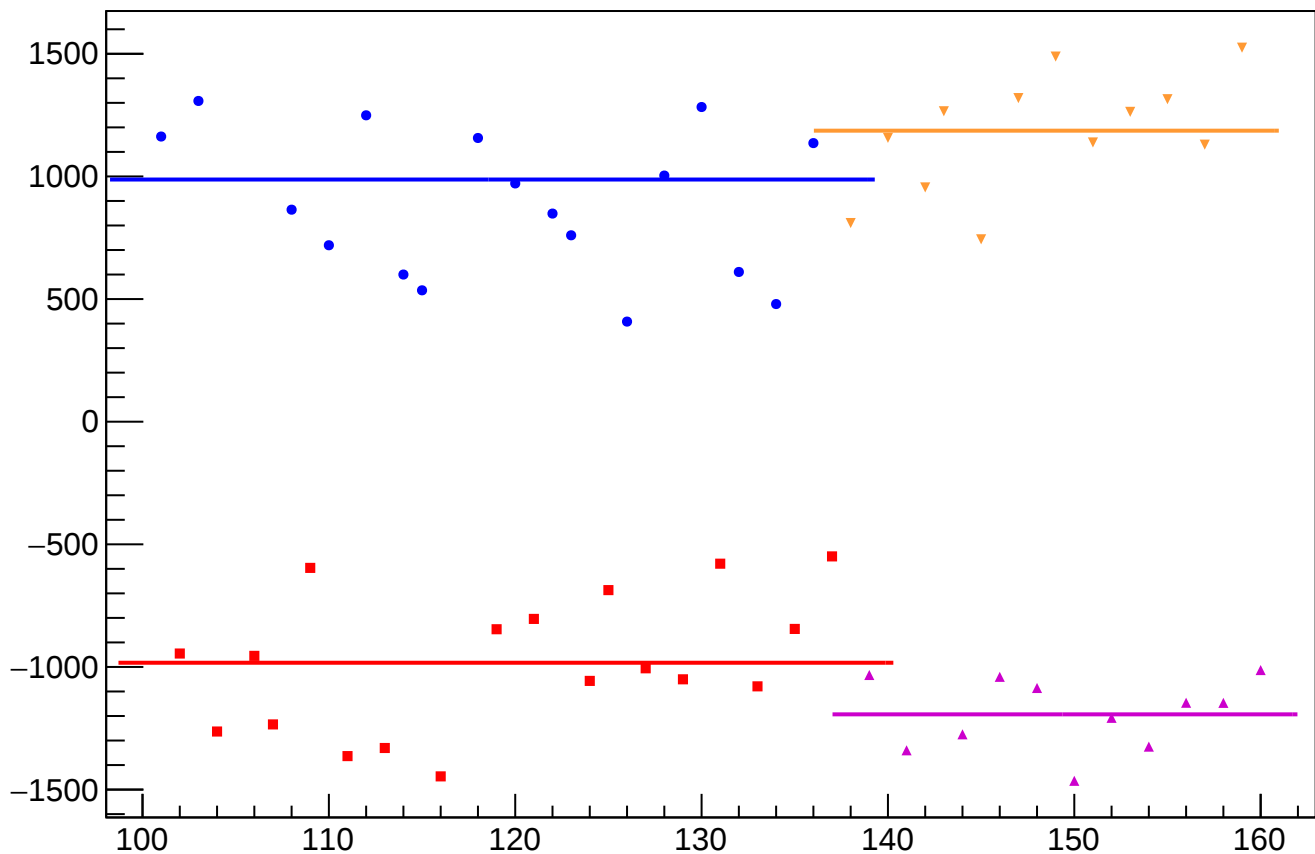
Right In: 4528.489 ± 0.000 $\chi^2/\text{NDF}: 765984421186945141508299673026645807071232.0/16$
 Left Out: 11369.972 ± 0.000 $\chi^2/\text{NDF}: 36208718267646883298044880734212432330752.0/11$
 Right Out: -11503.298 ± 0.000 $\chi^2/\text{NDF}: 877839720750399952947204251622051720200192.0/17$
 Left In: -12973.748 ± 0.000 $\chi^2/\text{NDF}: 26423716846952217142475221393758111137792.0/10$
 All: -2107.441 ± 0.000 $\chi^2/\text{NDF}: 2075415828$

dit_atl1_coil7_err_mean vs Slug, Sign Corrected



Left: -13.051+/-0.000 χ^2/NDF : 6418809450077942
 Right In: 1049.780+/-0.000 χ^2/NDF : 1038421858157169578640574748223478956032.0/16
 Right: -412.465+/-0.000 χ^2/NDF : 95232722558103
 Left Out: 570.856+/-0.000 χ^2/NDF : 18128369827839480022049807034159726592.0/11
 In: 114.074+/-0.000 χ^2/NDF : 21099081558302785
 Right Out: -1831.763+/-0.000 χ^2/NDF : 5560667897153995144780835972954558824448.0/17
 Out: -486.947+/-0.000 χ^2/NDF : 788901762621295
 Left In: -581.939+/-0.000 χ^2/NDF : 11881601275531706993869358655522996224.0/10
 All: -186.159+/-0.000 χ^2/NDF : 10292512175

dit_atl1_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 987.388 +/- 0.000

χ^2/NDF : 52571386835815299758771040245189181440.0/16

Left Out: 1186.594 +/- 0.000

χ^2/NDF : 49763362019555548841298308984106647552.0/11

Right Out: -982.831 +/- 0.000

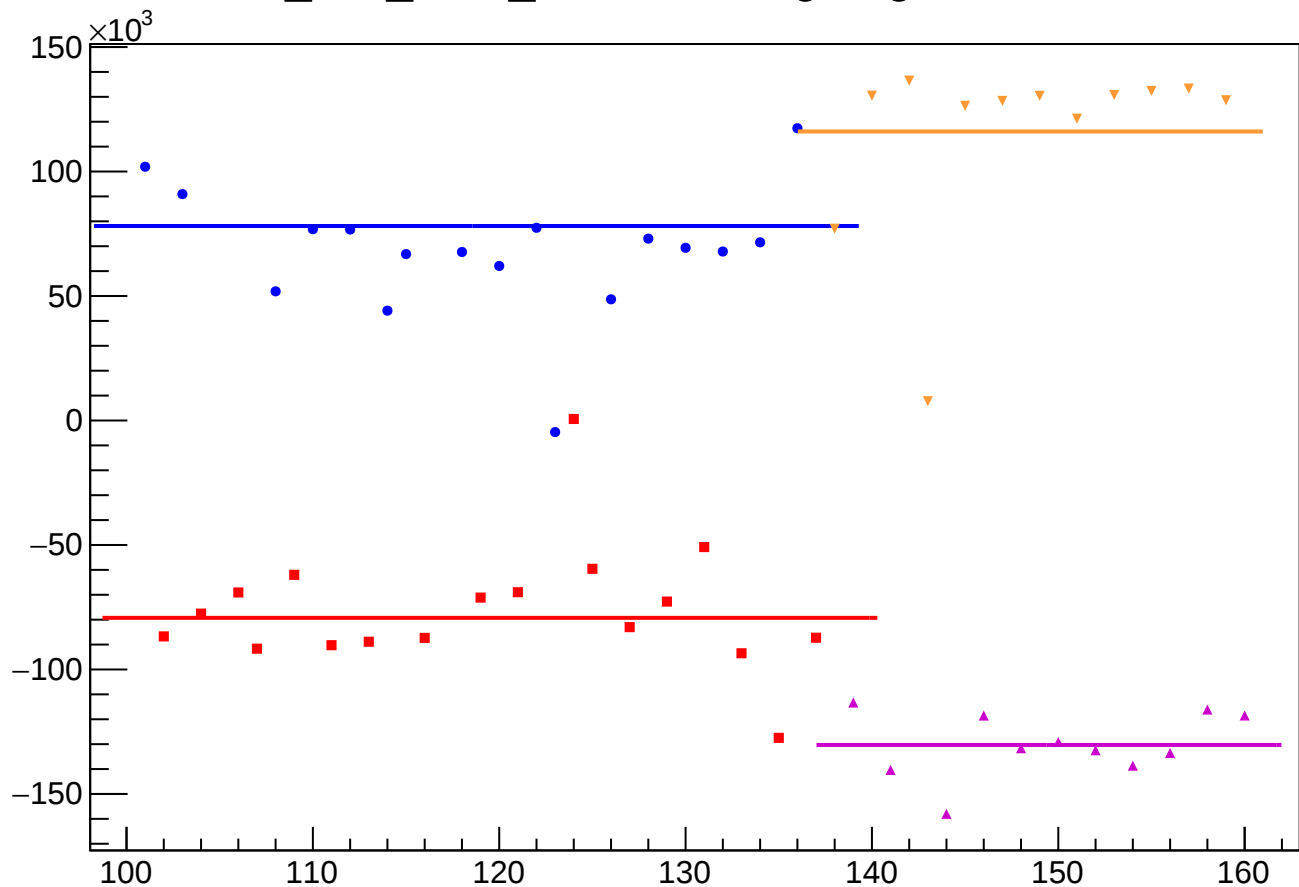
χ^2/NDF : 48106250951114292454819733992816771072.0/17

Left In: -1193.230 +/- 0.000

χ^2/NDF : 18719715189237327364686937904868491264.0/10

All: -16.040 +/- 0.000 χ^2/NDF : 414386874879

dit_atl2_coil7_mean vs Slug, Sign Corrected



Right In: 78120.227+/-0.000

Left Out: 116083.925+/-0.000

Right Out: -79260.499+/-0.000

Left In: -130317.995+/-0.000

χ^2/NDF : 308820964030920149649775995002991312633856.0/16

χ^2/NDF : 1055028859665678299066390828243571544424448.0/11

χ^2/NDF : 303215964703866066986504542190112711114752.0/17

χ^2/NDF : 147443434358857033174111826688008821669888.0/10

Left: -8722.259+/-0.000 χ^2/NDF : 29156479686744

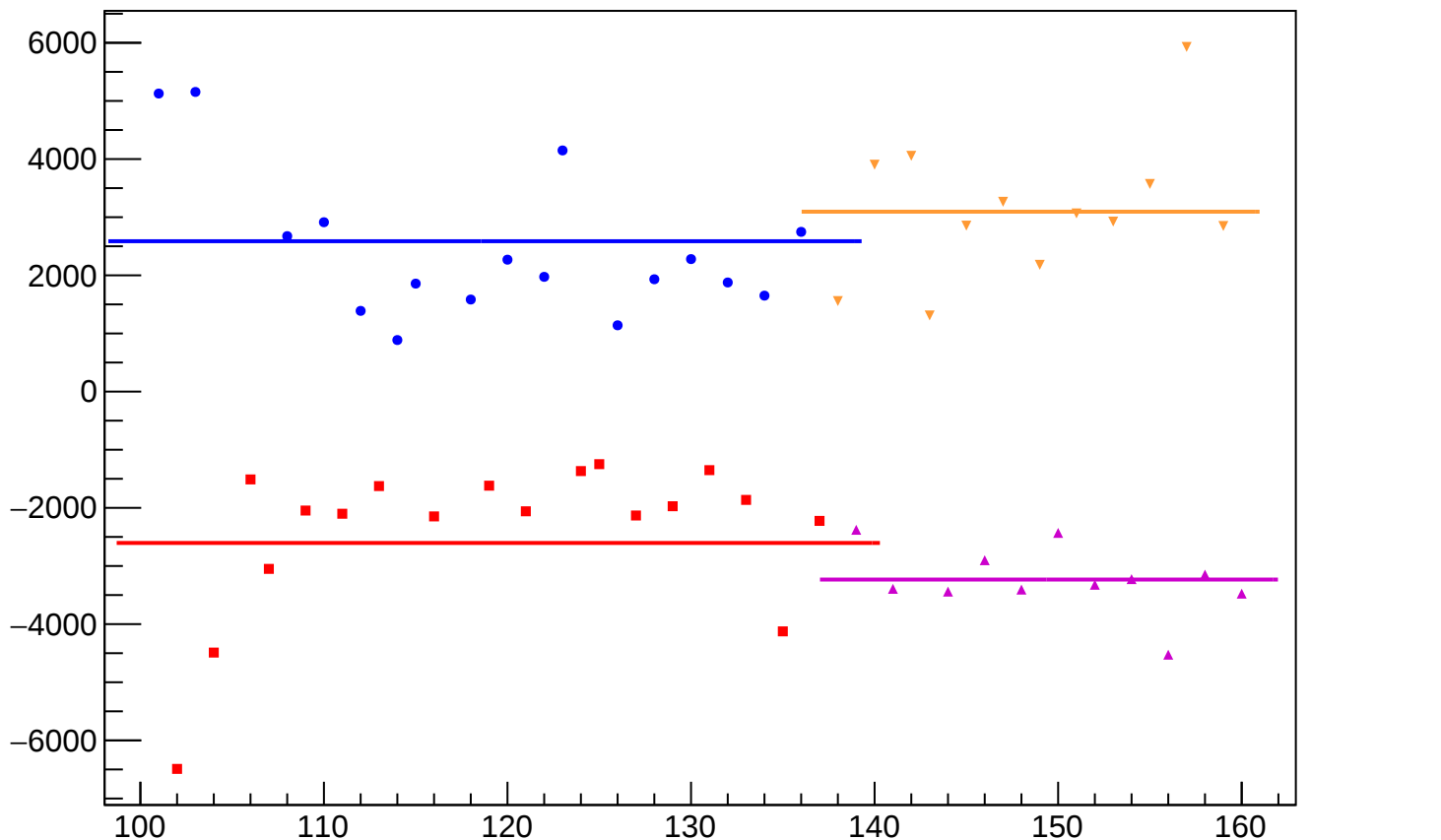
Right: -1742.952+/-0.000 χ^2/NDF : 9334870875198

In: -41408.268+/-0.000 χ^2/NDF : 17746793350482

Out: 30079.453+/-0.000 χ^2/NDF : 16629893935480

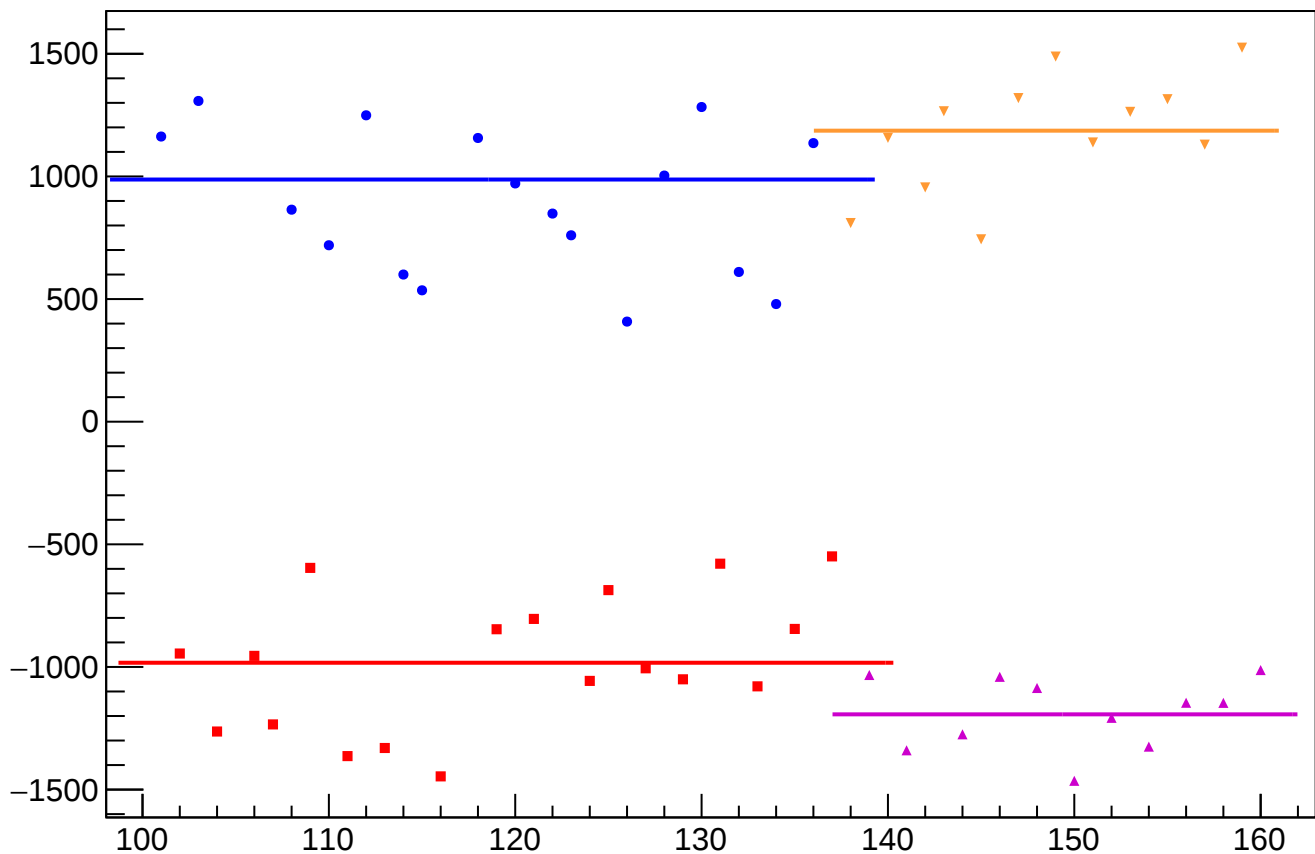
All: -5697.392+/-0.000 χ^2/NDF : 3853023790

dit_atl2_coil7_err_mean vs Slug, Sign Corrected



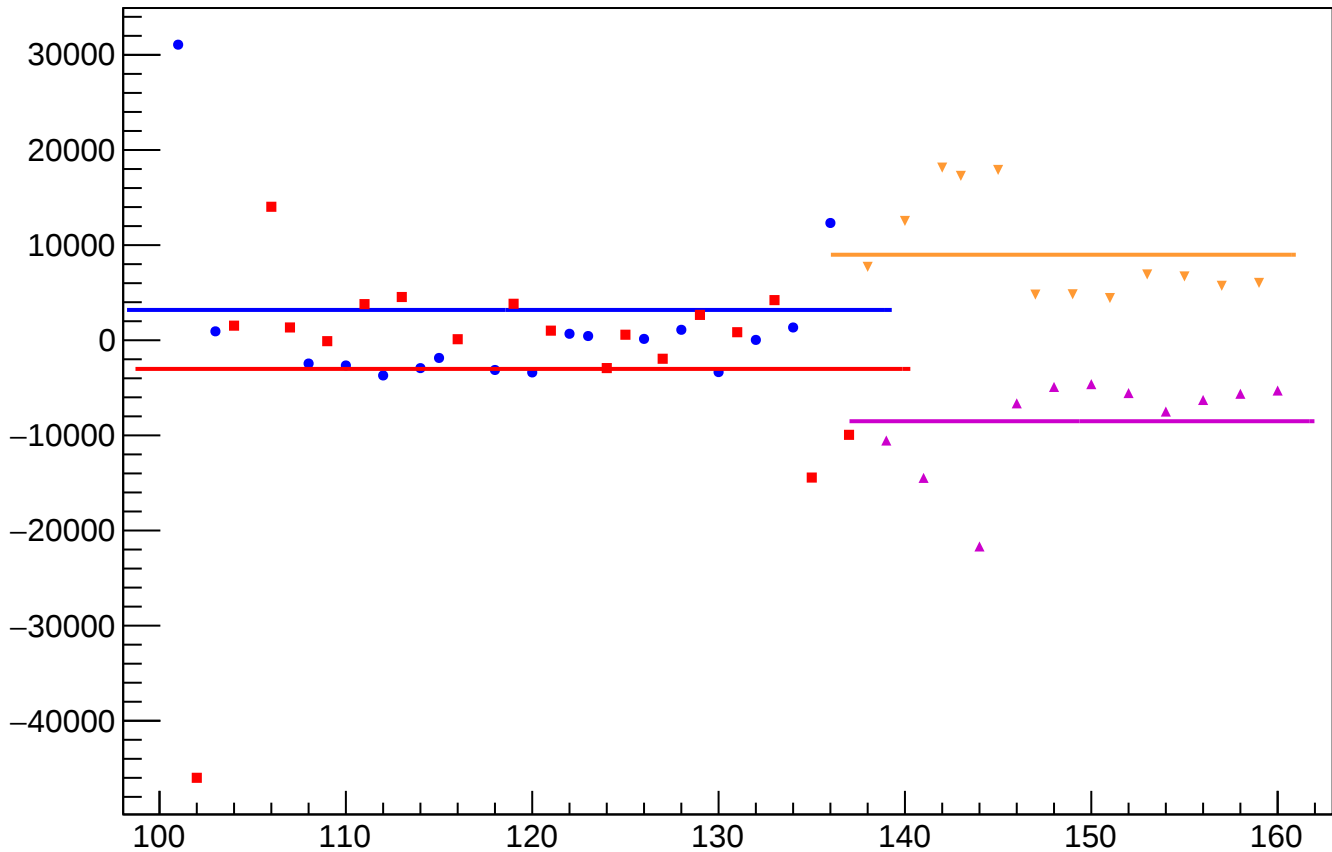
Left: -110.465 +/- 0.000 χ^2/NDF : 199043322305262
 Right In: 2586.924 +/- 0.000 χ^2/NDF : 1122415737488478857695553804598689923072.0/16
 Right: -47.101 +/- 0.000 χ^2/NDF : 121583994305653
 Left Out: 3094.875 +/- 0.000 χ^2/NDF : 1190700908263990863745595905660178923520.0/11
 In: -750.702 +/- 0.000 χ^2/NDF : 1487936262284401
 Right Out: -2603.762 +/- 0.000 χ^2/NDF : 1547340202870581842616287406625719844864.0/17
 Out: 585.931 +/- 0.000 χ^2/NDF : 1573452665053900
 Left In: -3233.353 +/- 0.000 χ^2/NDF : 275364684617140508153597807706060619776.0/10
 All: -83.003 +/- 0.000 χ^2/NDF : 320659370232

dit_atl2_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 987.388 ± 0.000 $\chi^2/\text{NDF}: 52571386835815299758771040245189181440.0/16$
 Left Out: 1186.594 ± 0.000 $\chi^2/\text{NDF}: 49763362019555548841298308984106647552.0/11$
 Right Out: -982.831 ± 0.000 $\chi^2/\text{NDF}: 48106250951114292454819733992816771072.0/17$
 Left In: -1193.230 ± 0.000 $\chi^2/\text{NDF}: 18719715189237327364686937904868491264.0/10$
 All: -16.040 ± 0.000 $\chi^2/\text{NDF}: 414386874879$

dit_atr1_coil7_mean vs Slug, Sign Corrected



Right In: 3187.051+/-0.000

χ^2/NDF : 66270389171193911836791515591398561677312.0/16

Left Out: 8990.897+/-0.000

χ^2/NDF : 22509101259112678607157462677691985559552.0/11

Right Out: -3012.400+/-0.000

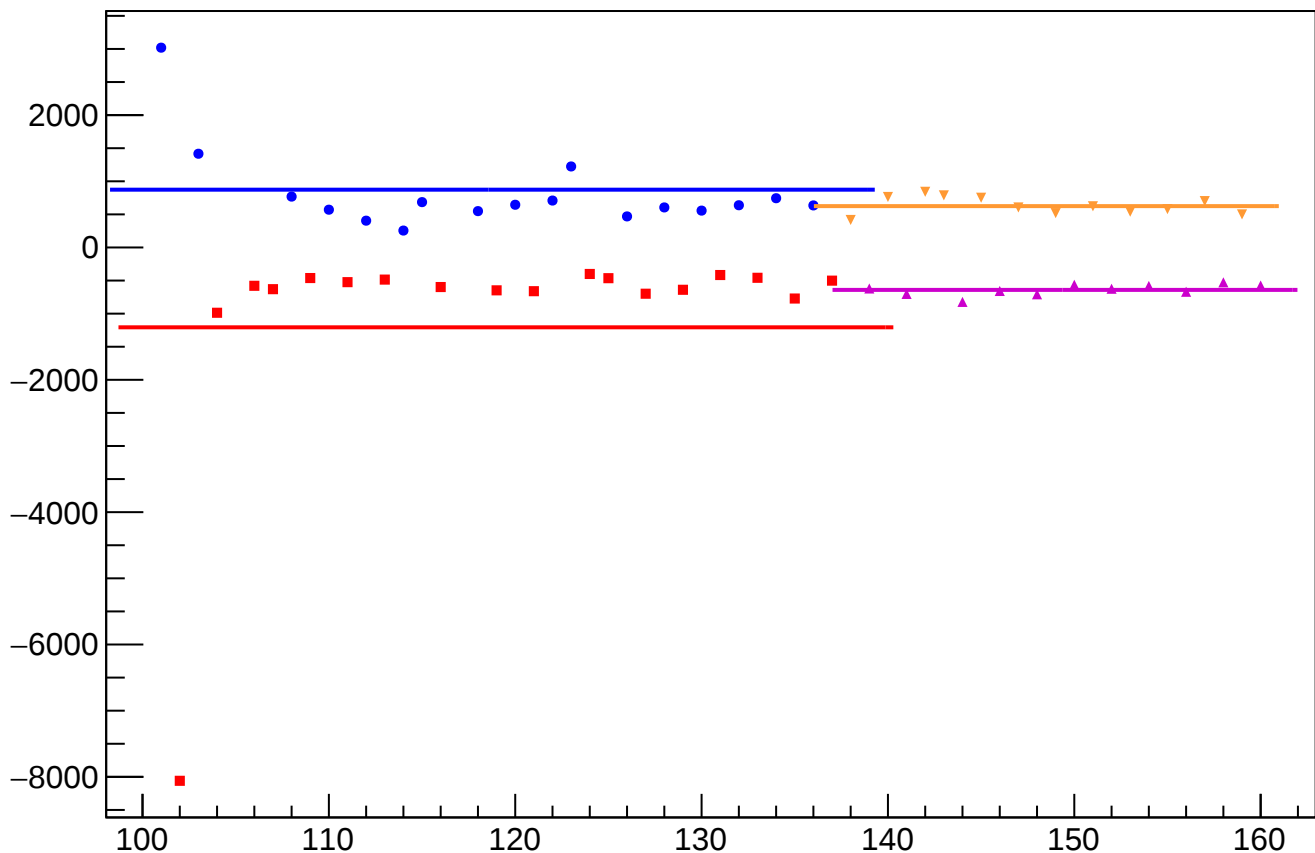
χ^2/NDF : 138157018088298657463529912150565226283008.0/17

Left In: -8511.318+/-0.000

χ^2/NDF : 24333332735687390089977674929475300622336.0/10

All: 89.084+/-0.000 χ^2/NDF : 4058505302621

dit_atr1_coil7_err_mean vs Slug, Sign Corrected



Right In: 873.306+/-0.000

χ^2/NDF : 340993590653355605867273192516364533760.0/16

Left Out: 624.813+/-0.000

χ^2/NDF : 13578620393793038879015873058055389184.0/11

Right Out: -1206.661+/-0.000

χ^2/NDF : 2979483538609797767268010500388070359040.0/17

Left In: -641.139+/-0.000

χ^2/NDF : 604973887802963625692620261114180608.0/10

Left: -16.410+/-0.000 χ^2/NDF : 7575167958835405

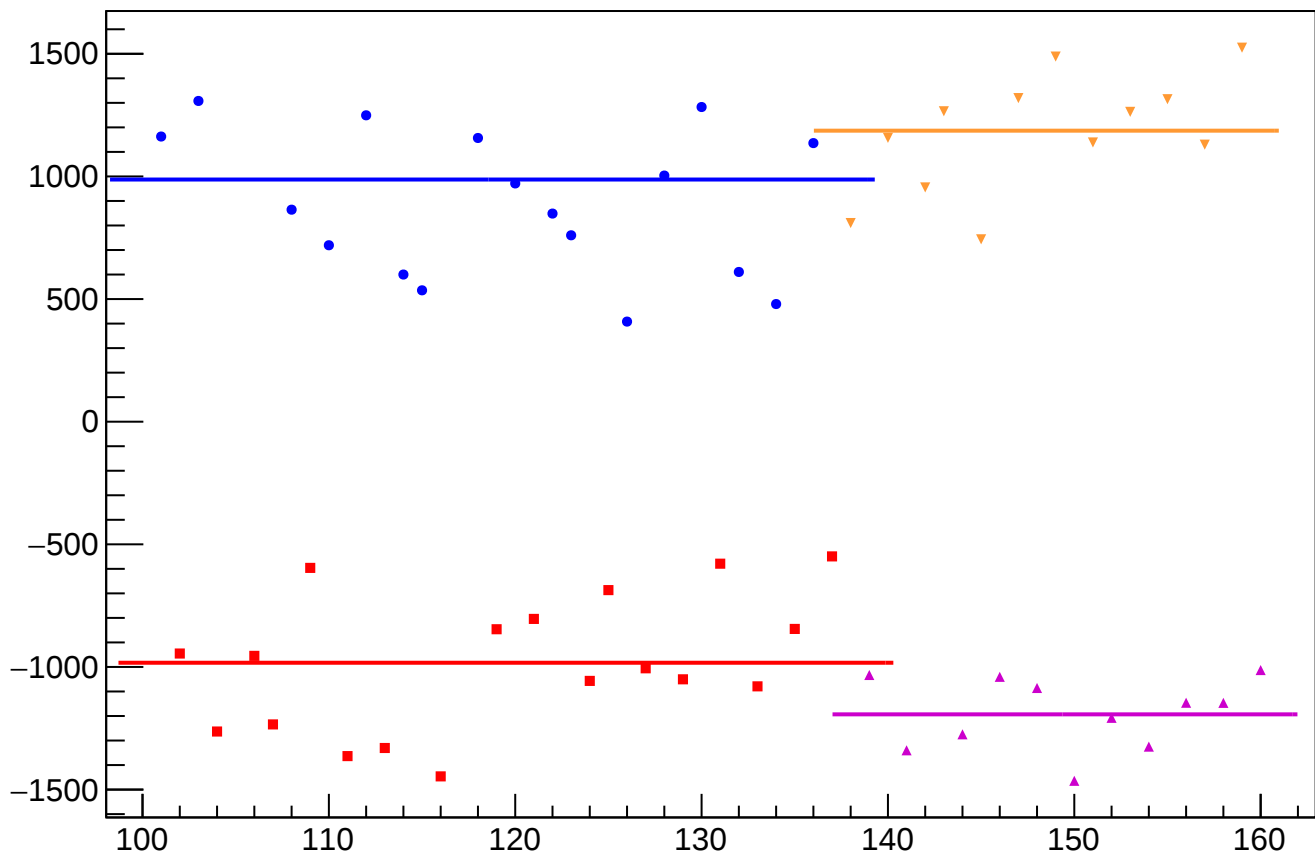
Right: -182.178+/-0.000 χ^2/NDF : 48440648254414

In: 4.850+/-0.000 χ^2/NDF : 1259811416123502900

Out: -181.532+/-0.000 χ^2/NDF : 433547407586540

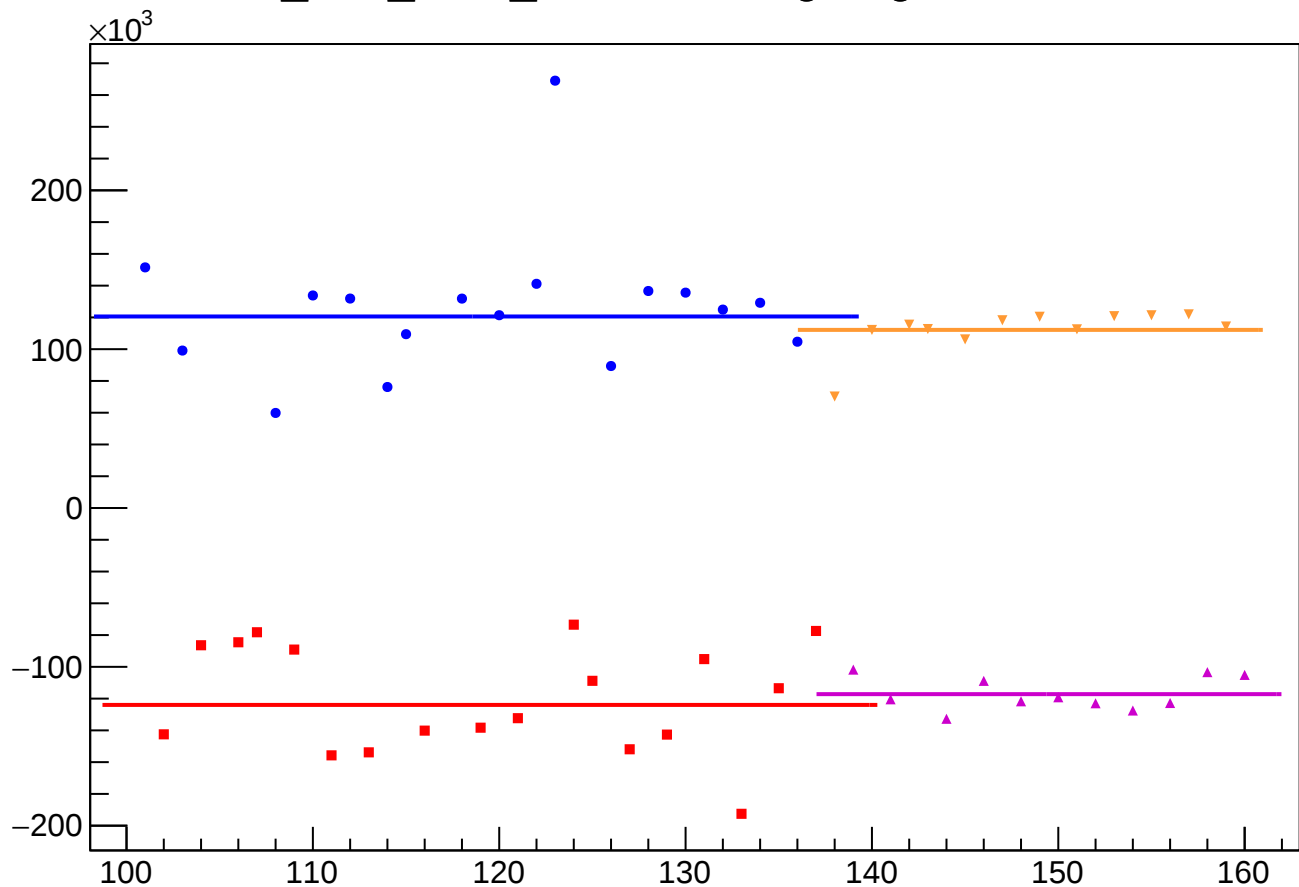
All: -88.255+/-0.000 χ^2/NDF : 562351898294

dit_atr1_coil7_Ndata_mean vs Slug, Sign Corrected



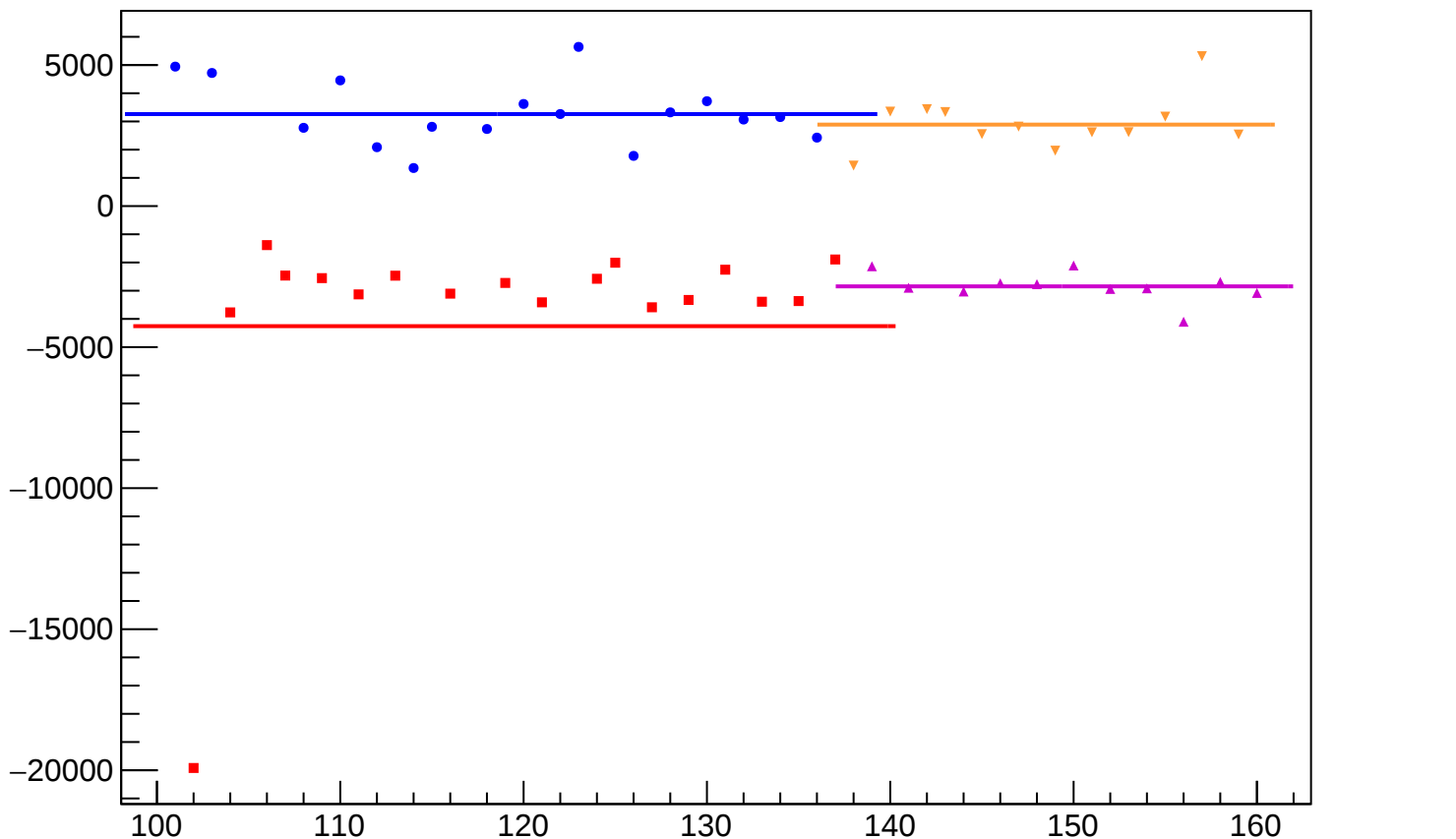
Right In: 987.388 +/- 0.000 χ^2/NDF : 52571386835815299758771040245189181440.0/16
 Left Out: 1186.594 +/- 0.000 χ^2/NDF : 49763362019555548841298308984106647552.0/11
 Right Out: -982.831 +/- 0.000 χ^2/NDF : 48106250951114292454819733992816771072.0/17
 Left In: -1193.230 +/- 0.000 χ^2/NDF : 18719715189237327364686937904868491264.0/10
 All: -16.040 +/- 0.000 χ^2/NDF : 414386874879

dit_atr2_coil7_mean vs Slug, Sign Corrected



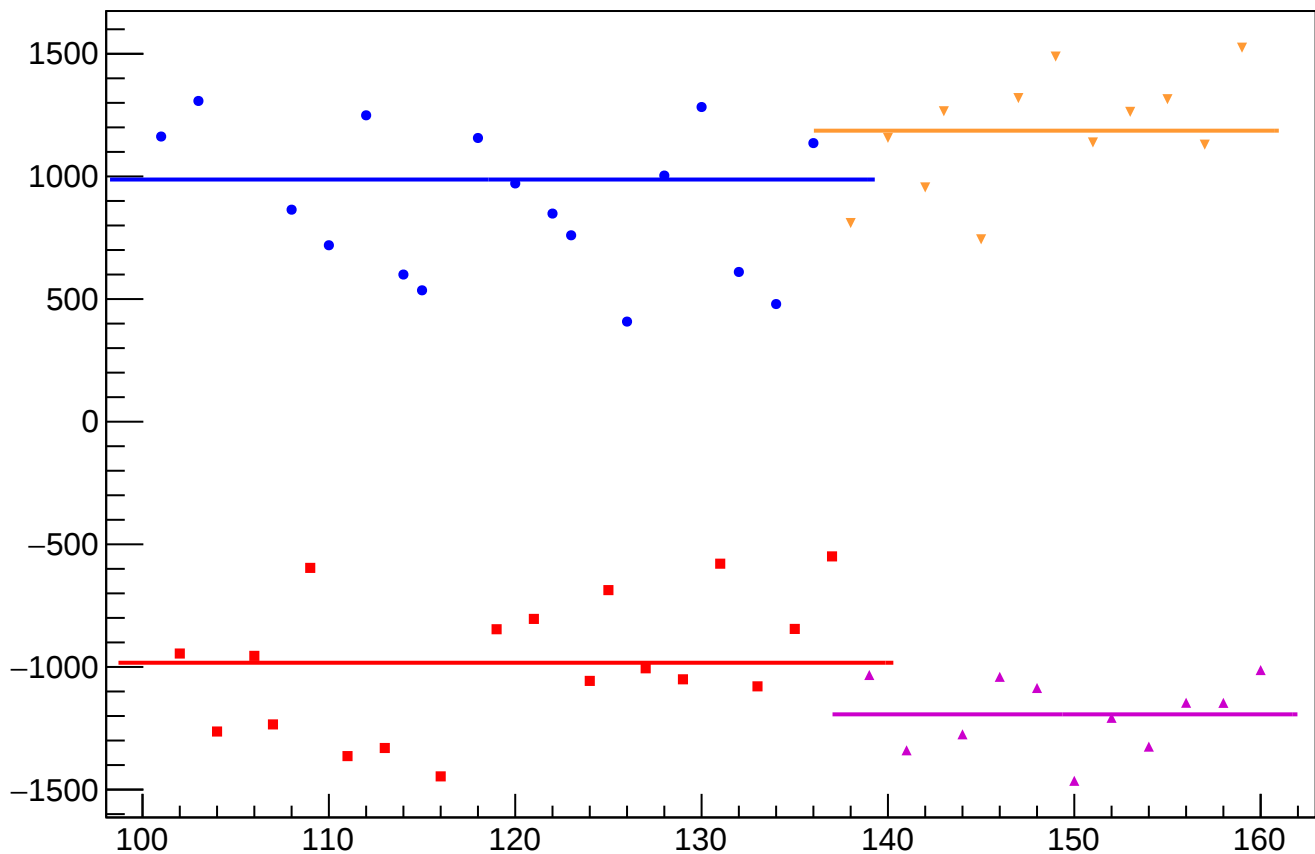
Left: -4015.080+/-0.000 χ^2/NDF : 24476989931131
 Right: -3514.396+/-0.000 χ^2/NDF : 2228135518347
 Right In: 120586.708+/-0.000 χ^2/NDF : 463702909226593065118055925390873188106240.0/16
 Left Out: 112145.166+/-0.000 χ^2/NDF : 169803943899249833628115478004203597594624.0/11
 Right Out: -123970.573+/-0.000 χ^2/NDF : 754871099831913254311543250015602251661312.0/17
 Left In: -117187.281+/-0.000 χ^2/NDF : 92050085463575690364904587071982548287488.0/10
 In: -15764.325+/-0.000 χ^2/NDF : 23055739050146
 Out: 8190.269+/-0.000 χ^2/NDF : 232364322975440
 All: -3798.081+/-0.000 χ^2/NDF : 4675854524

dit_atr2_coil7_err_mean vs Slug, Sign Corrected



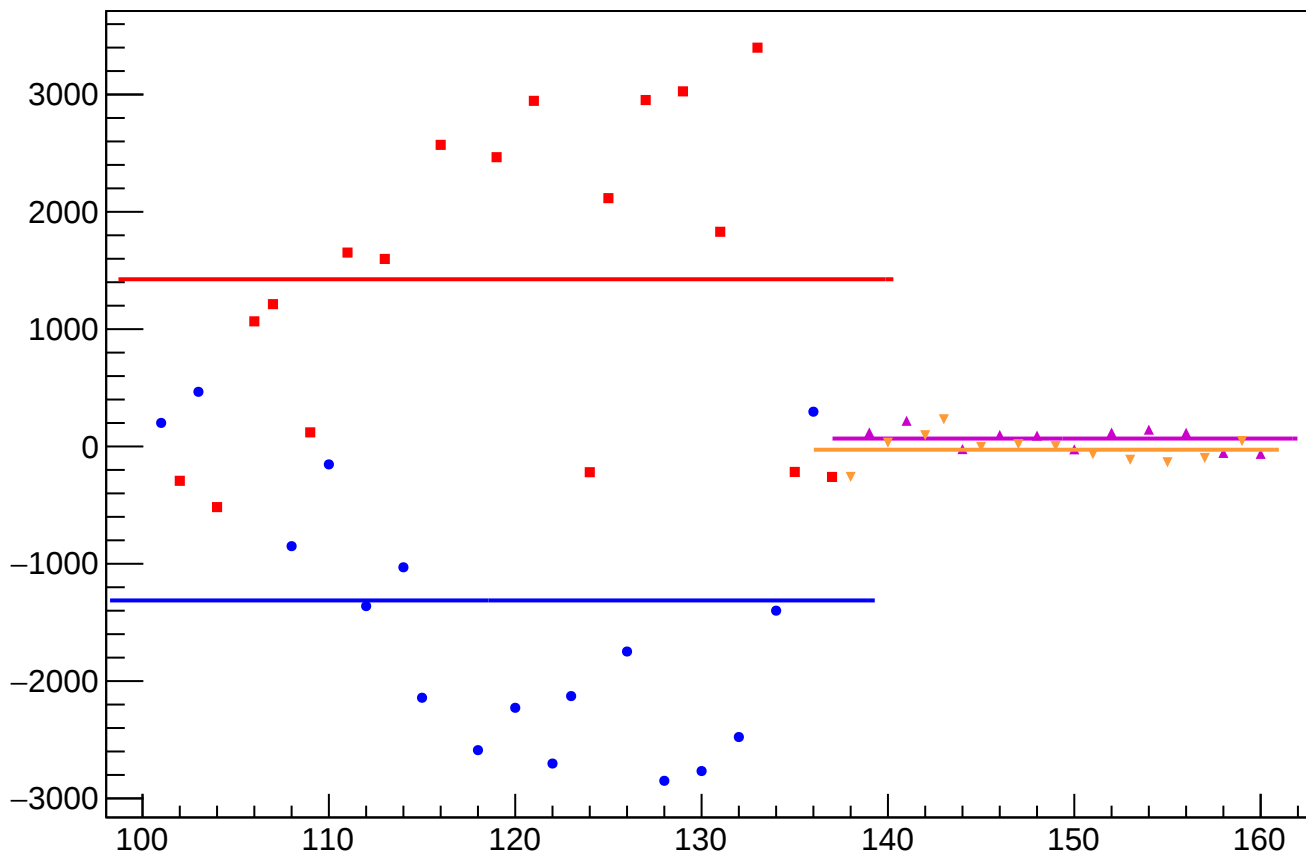
Left: -16.444 +/- 0.000 χ^2/NDF : 1612551682958153
 Right In: 3260.820 +/- 0.000 χ^2/NDF : 672456168638567614426723356415113560064.0/16
 Right: -554.043 +/- 0.000 χ^2/NDF : 36319989313790
 Left Out: 2888.367 +/- 0.000 χ^2/NDF : 753668821958591987367767496119843553280.0/11
 In: -241.430 +/- 0.000 χ^2/NDF : 1574574796547858
 Right Out: -4256.861 +/- 0.000 χ^2/NDF : 15744364448860197338037677656678376407040.0/17
 Out: -257.469 +/- 0.000 χ^2/NDF : 369302774358187
 Left In: -2846.533 +/- 0.000 χ^2/NDF : 228998195535204617287883903315551977472.0/10
 All: -249.442 +/- 0.000 χ^2/NDF : 52676234483

dit_atr2_coil7_Ndata_mean vs Slug, Sign Corrected



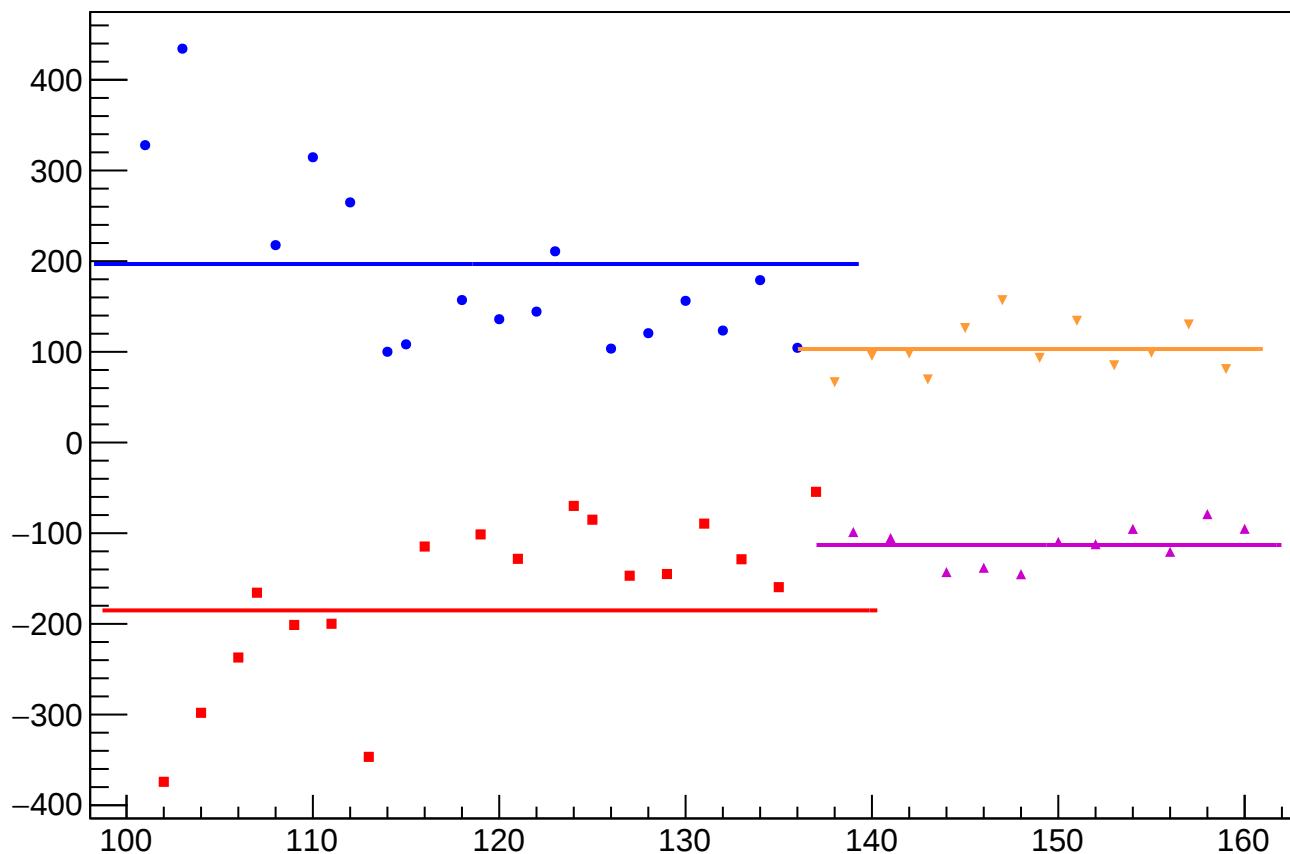
Right In: 987.388+/-0.000	χ^2/NDF : 52571386835815299758771040245189181440.0/16	Left: -18.822+/-0.000	χ^2/NDF : 2676111842139268
Left Out: 1186.594+/-0.000	χ^2/NDF : 49763362019555548841298308984106647552.0/11	Right: -12.404+/-0.000	χ^2/NDF : 146772402174972
Right Out: -982.831+/-0.000	χ^2/NDF : 48106250951114292454819733992816771072.0/17	In: -263.084+/-0.000	χ^2/NDF : 1963690344467940
Left In: -1193.230+/-0.000	χ^2/NDF : 18719715189237327364686937904868491264.0/10	Out: 231.459+/-0.000	χ^2/NDF : 1981402088557405
		All: -16.040+/-0.000	χ^2/NDF : 414386874879

dit_sam1_coil7_mean vs Slug, Sign Corrected



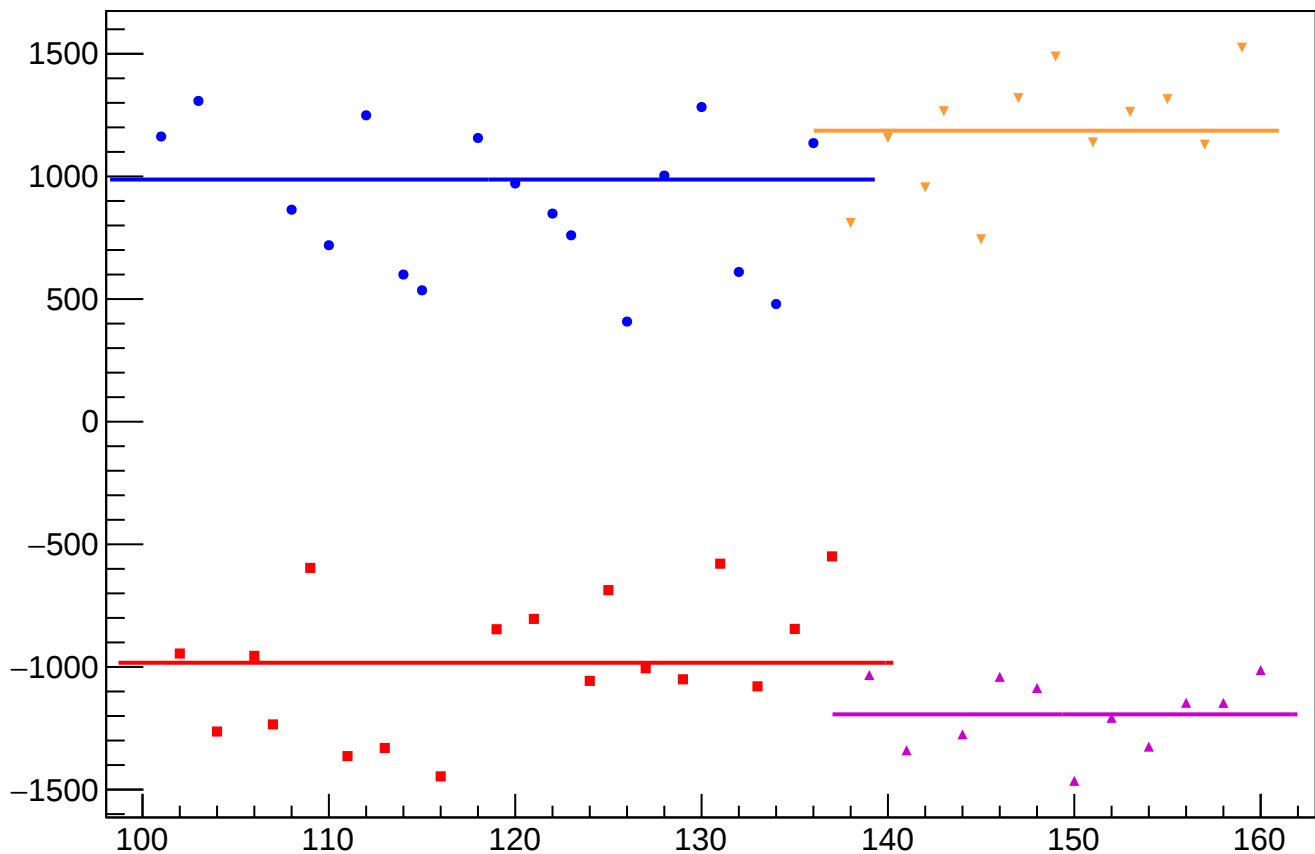
Left: 20.341+/-0.000 χ^2/NDF : 23963856797224553
 Right In: -1312.539+/-0.000 χ^2/NDF : 1111791822009253468495433607153226612736.0/16
 Right: 76.793+/-0.000 χ^2/NDF : 5011395418904363
 Left Out: -27.898+/-0.000 χ^2/NDF : 12443192627710109481350397021099393024.0/11
 In: -521.250+/-0.000 χ^2/NDF : 1876902541000526
 Right Out: 1425.319+/-0.000 χ^2/NDF : 1259772432394270570555753847649915109376.0/17
 Out: 611.911+/-0.000 χ^2/NDF : 2117386598922048
 Left In: 67.340+/-0.000 χ^2/NDF : 7344542288743460655103542950920978432.0/10
 All: 44.808+/-0.000 χ^2/NDF : 5037903368261

dit_sam1_coil7_err_mean vs Slug, Sign Corrected



Right In: 196.858 +/- 0.000 χ^2/NDF : 7337666778319090402870822115647422464.0/16
 Left Out: 103.111 +/- 0.000 χ^2/NDF : 658393761495499558426534507754553344.0/11
 Right Out: -185.135 +/- 0.000 χ^2/NDF : 6160706554997434160213032977968398336.0/17
 Left In: -113.009 +/- 0.000 χ^2/NDF : 394825243882053718517351386298974208.0/10
 All: -2.295 +/- 0.000 χ^2/NDF : 8751541614442

dit_sam1_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 987.388+/-0.000

χ^2/NDF : 52571386835815299758771040245189181440.0/16

Left Out: 1186.594+/-0.000

χ^2/NDF : 49763362019555548841298308984106647552.0/11

Right Out: -982.831+/-0.000

χ^2/NDF : 48106250951114292454819733992816771072.0/17

Left In: -1193.230+/-0.000

χ^2/NDF : 18719715189237327364686937904868491264.0/10

Left: -18.822+/-0.000 χ^2/NDF : 2676111842139268

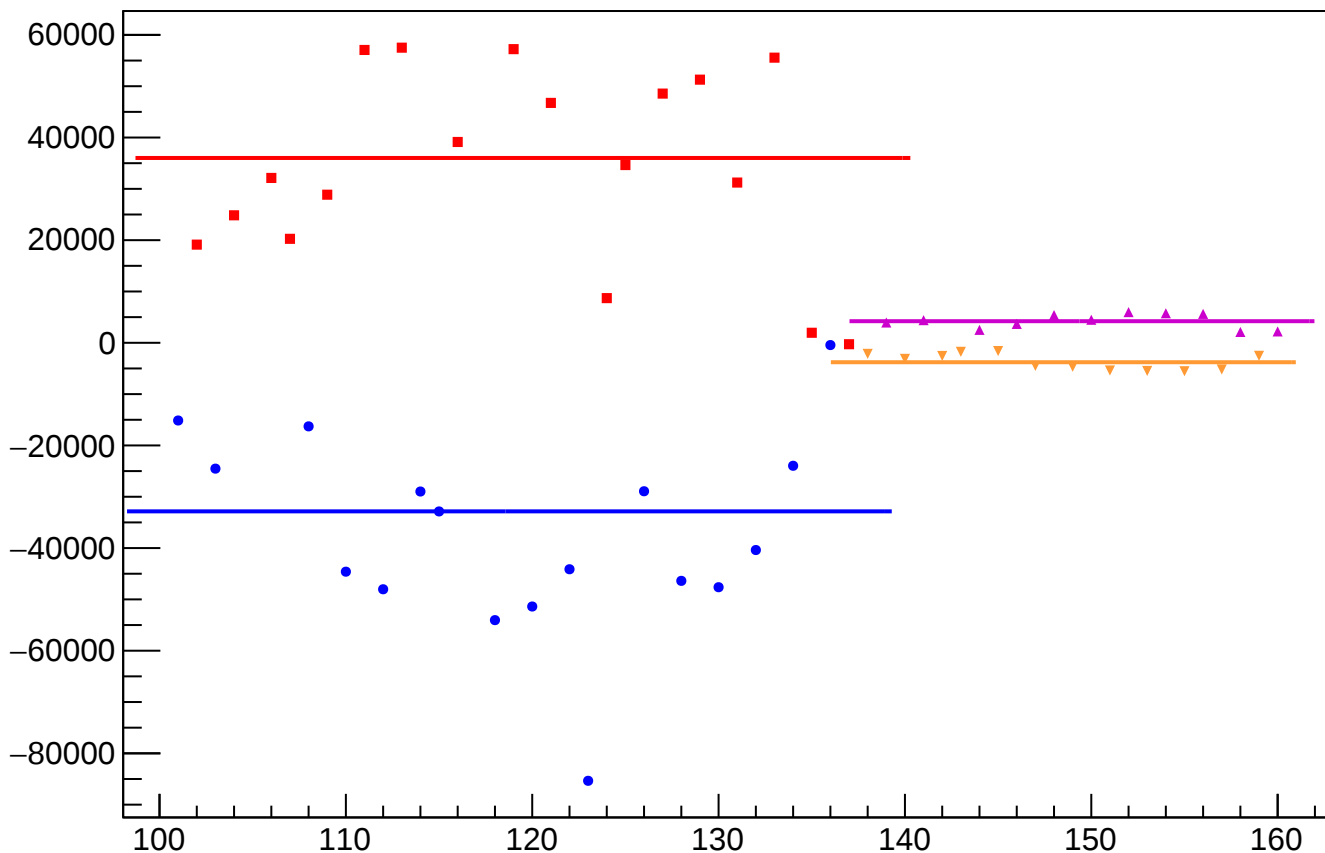
Right: -12.404+/-0.000 χ^2/NDF : 146772402174972

In: 263.084+/-0.000 χ^2/NDF : 1963690344467940

Out: 231.459+/-0.000 χ^2/NDF : 1981402088557405

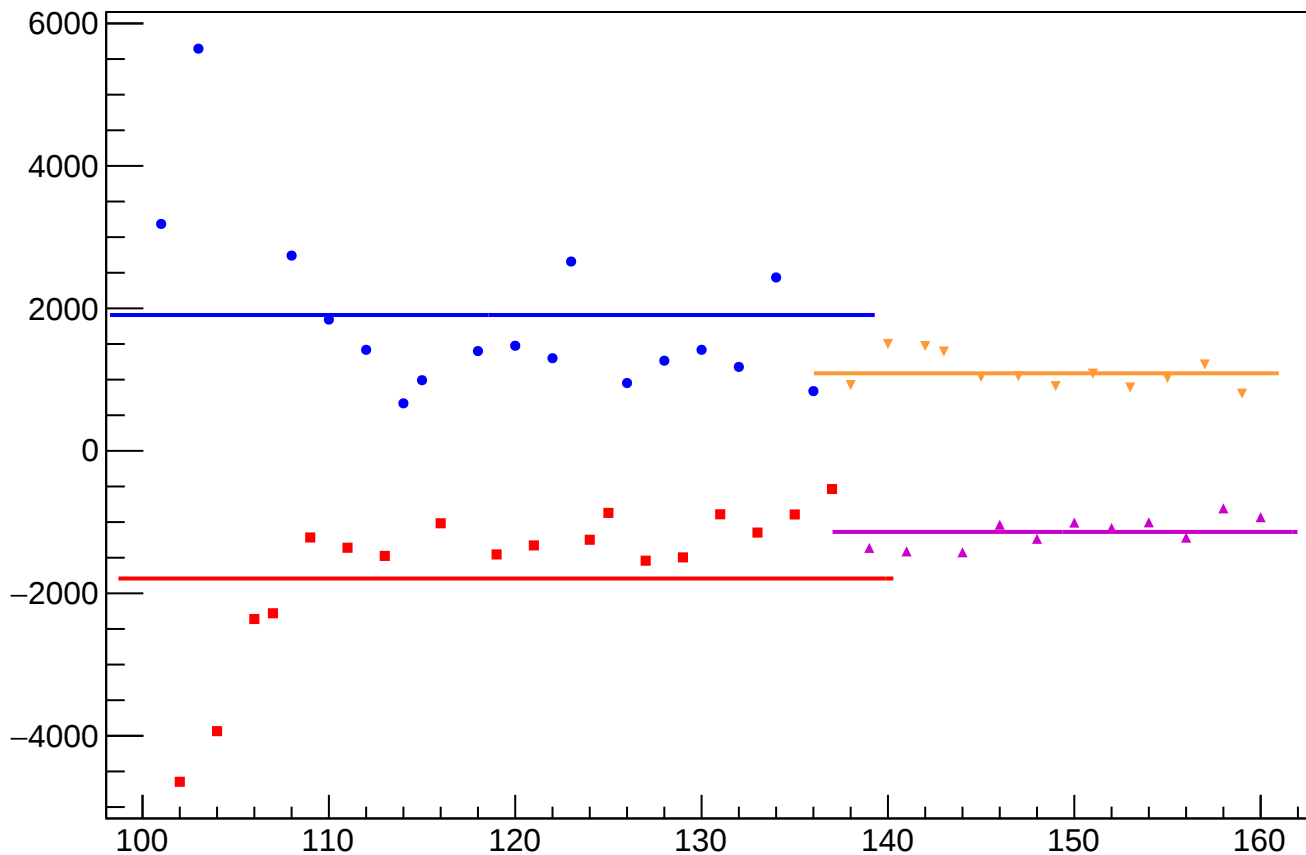
All: -16.040+/-0.000 χ^2/NDF : 414386874879

dit_sam2_coil7_mean vs Slug, Sign Corrected



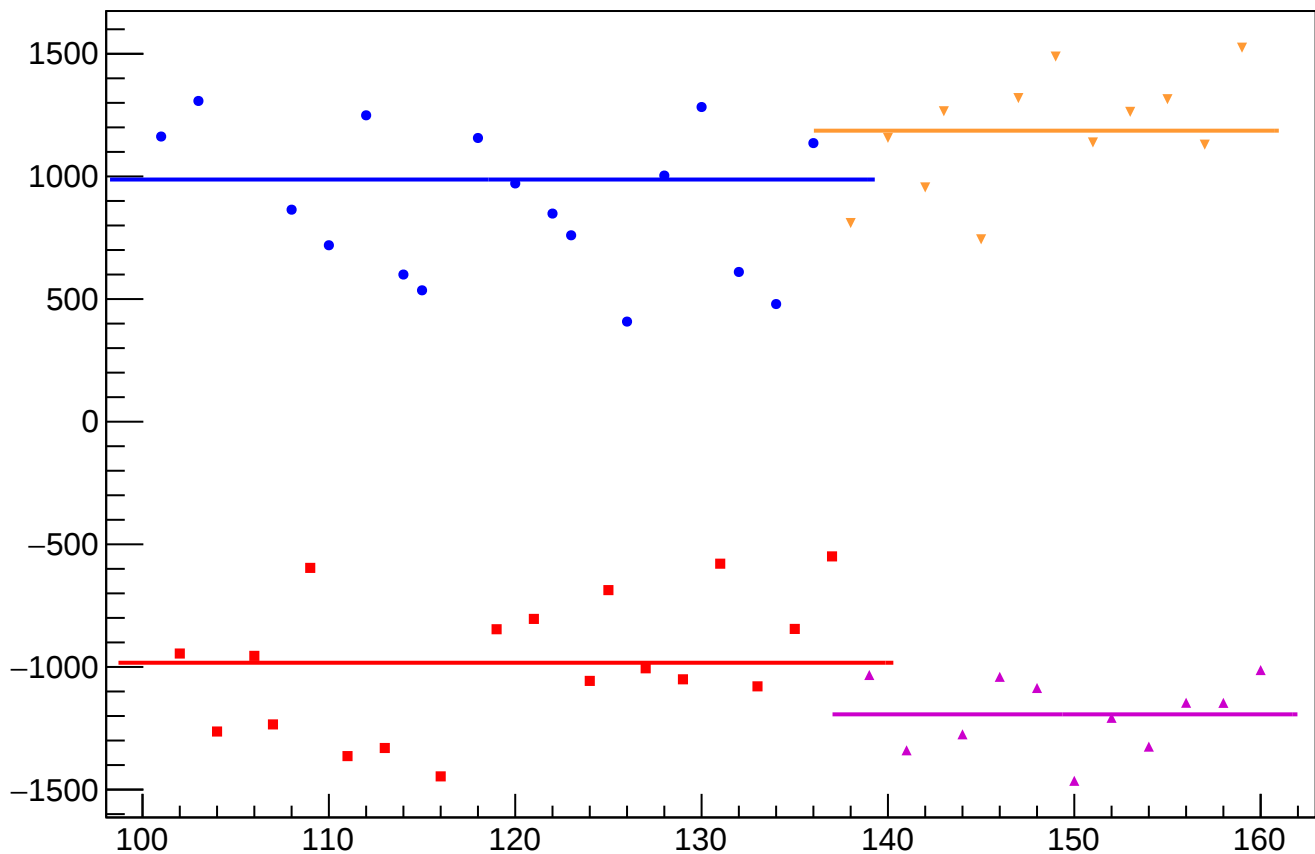
Left: 264.500+/-0.000 χ^2/NDF : 3320507875452057
 Right In: -32846.038+/-0.000 χ^2/NDF : 219637368732777746312600570455176987541504.0/16
 Right: 2099.121+/-0.000 χ^2/NDF : 21185895144652
 Left Out: -3785.473+/-0.000 χ^2/NDF : 2024140029118734707580792113032155103232.0/11
 In: -11596.157+/-0.000 χ^2/NDF : 76786767072050
 Right Out: 36017.918+/-0.000 χ^2/NDF : 228867649175680979480074989628486510968832.0/17
 Out: 13738.803+/-0.000 χ^2/NDF : 86494254988186
 Left In: 4210.293+/-0.000 χ^2/NDF : 1745128048653719102038328653644061212672.0/10
 All: 1059.634+/-0.000 χ^2/NDF : 21544816464

dit_sam2_coil7_err_mean vs Slug, Sign Corrected



Right In: 1907.271+/-0.000 χ^2/NDF : 1224904405299911350916968067746563620864.0/16
 Left Out: 1088.725+/-0.000 χ^2/NDF : 43426775502308875672481877774003339264.0/11
 Right Out: -1791.825+/-0.000 χ^2/NDF : 941640864566938486349149292441762791424.0/17
 Left In: -1137.882+/-0.000 χ^2/NDF : 35720611822327029625984911153333010432.0/10
 All: -9.075+/-0.000 χ^2/NDF : 9351066606188

dit_sam2_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 987.388 $\pm$ 0.000

χ^2/NDF : 52571386835815299758771040245189181440.0/16

Left Out: 1186.594 $\pm$ 0.000

χ^2/NDF : 49763362019555548841298308984106647552.0/11

Right Out: -982.831 $\pm$ 0.000

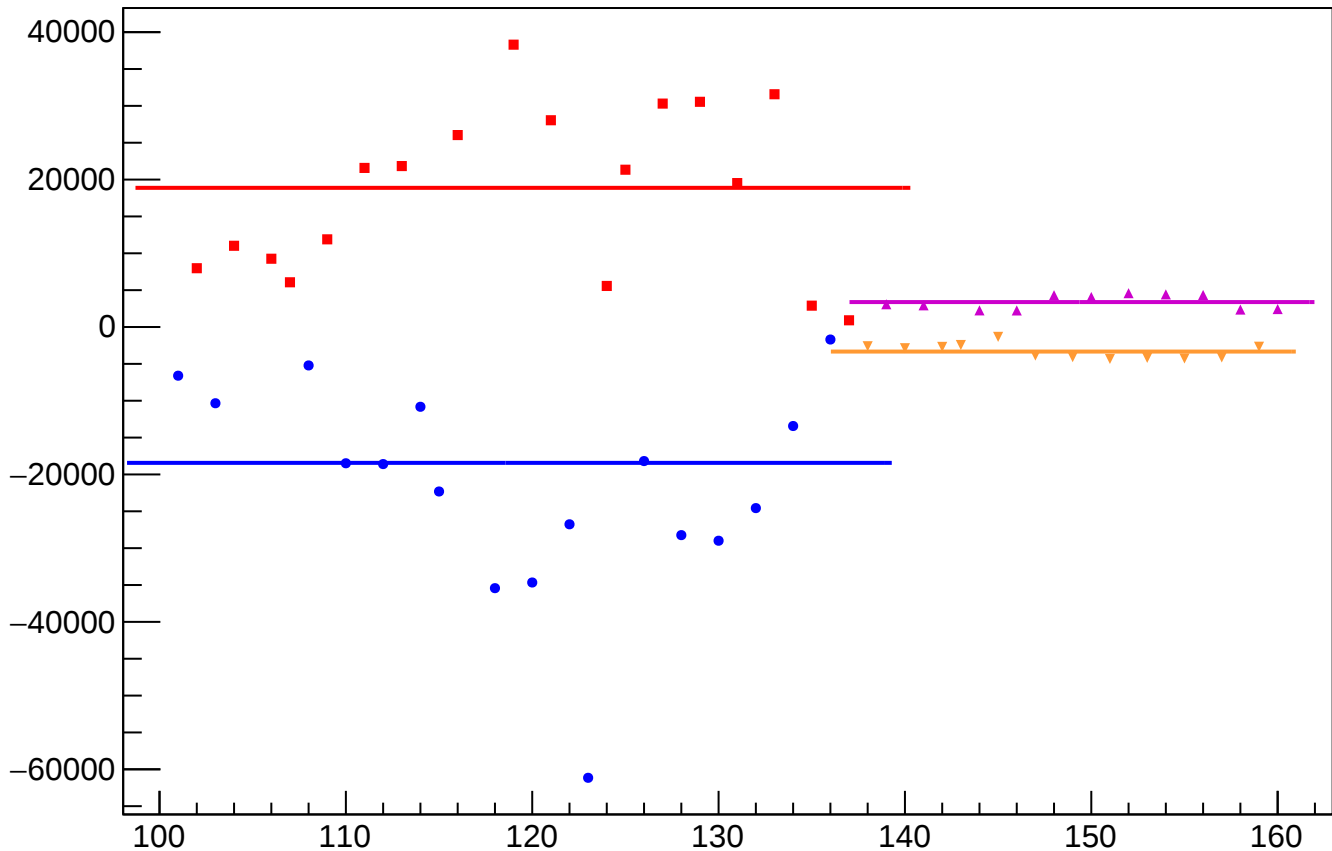
χ^2/NDF : 48106250951114292454819733992816771072.0/17

Left In: -1193.230 $\pm$ 0.000

χ^2/NDF : 18719715189237327364686937904868491264.0/10

All: -16.040 $\pm$ 0.000 χ^2/NDF : 414386874879

dit_sam3_coil7_mean vs Slug, Sign Corrected



Right In: -18428.768+/-0.000

χ^2/NDF : 91790167940984507561863911678204862005248.0/16

Left Out: -3330.218+/-0.000

χ^2/NDF : 801638931401536809328175362972460253184.0/11

Right Out: 18880.571+/-0.000

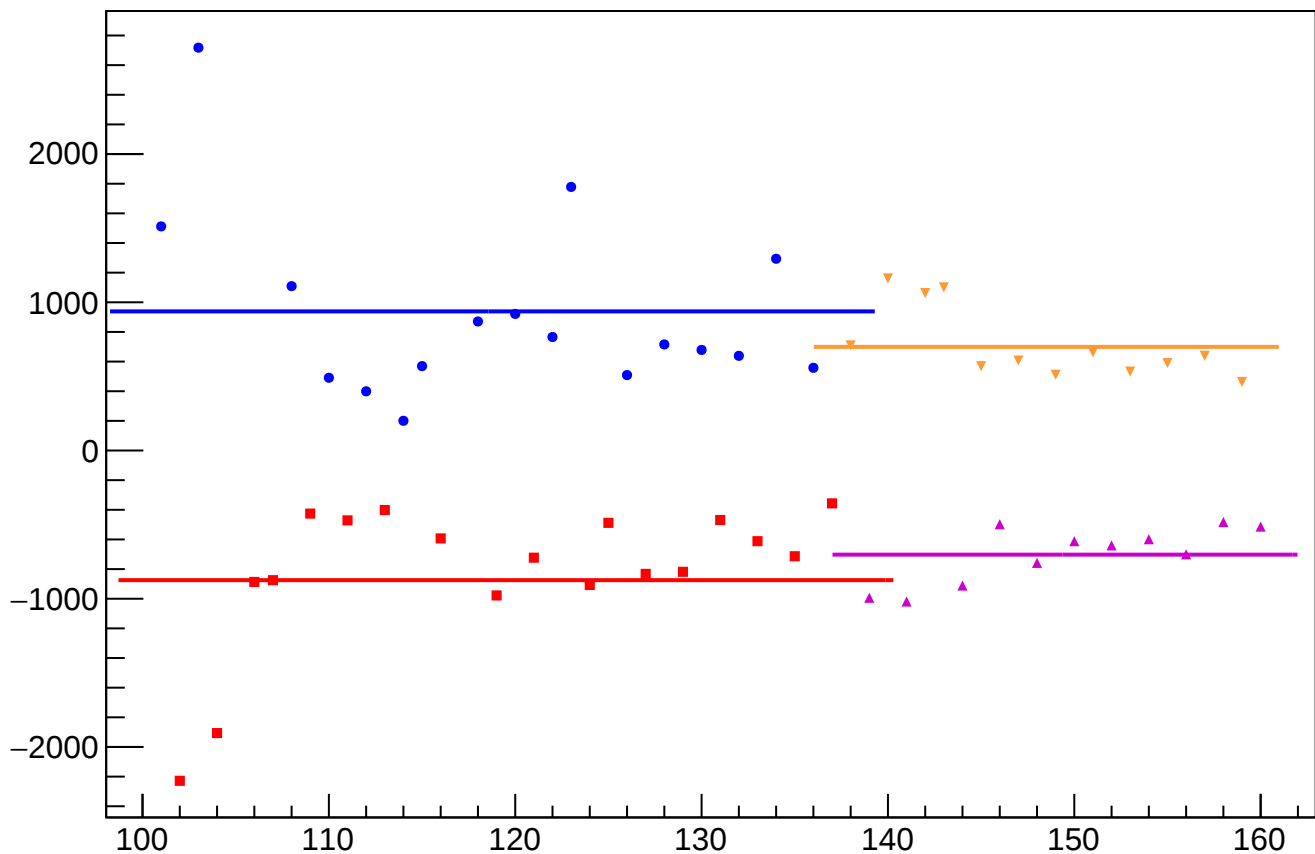
χ^2/NDF : 85627666736634579824962235279591398703104.0/17

Left In: 3383.309+/-0.000

χ^2/NDF : 816279200160971630569460981745055694848.0/10

All: 258.229+/-0.000 χ^2/NDF : 690156206365

dit_sam3_coil7_err_mean vs Slug, Sign Corrected



Right In: 938.658 +/- 0.000

χ^2/NDF : 274123287156186942430302567816841134080.0/16

Left: -10.814 +/- 0.000 χ^2/NDF : 9840586454746363

Right: 18.480 +/- 0.000 χ^2/NDF : 1644825947456125

Left Out: 699.181 +/- 0.000

χ^2/NDF : 47485076871287899089179265063714816000.0/11

In: -2.487 +/- 0.000 χ^2/NDF : 137800176451406889

Right Out: -874.671 +/- 0.000

χ^2/NDF : 212705560210060381413787152265269739520.0/17

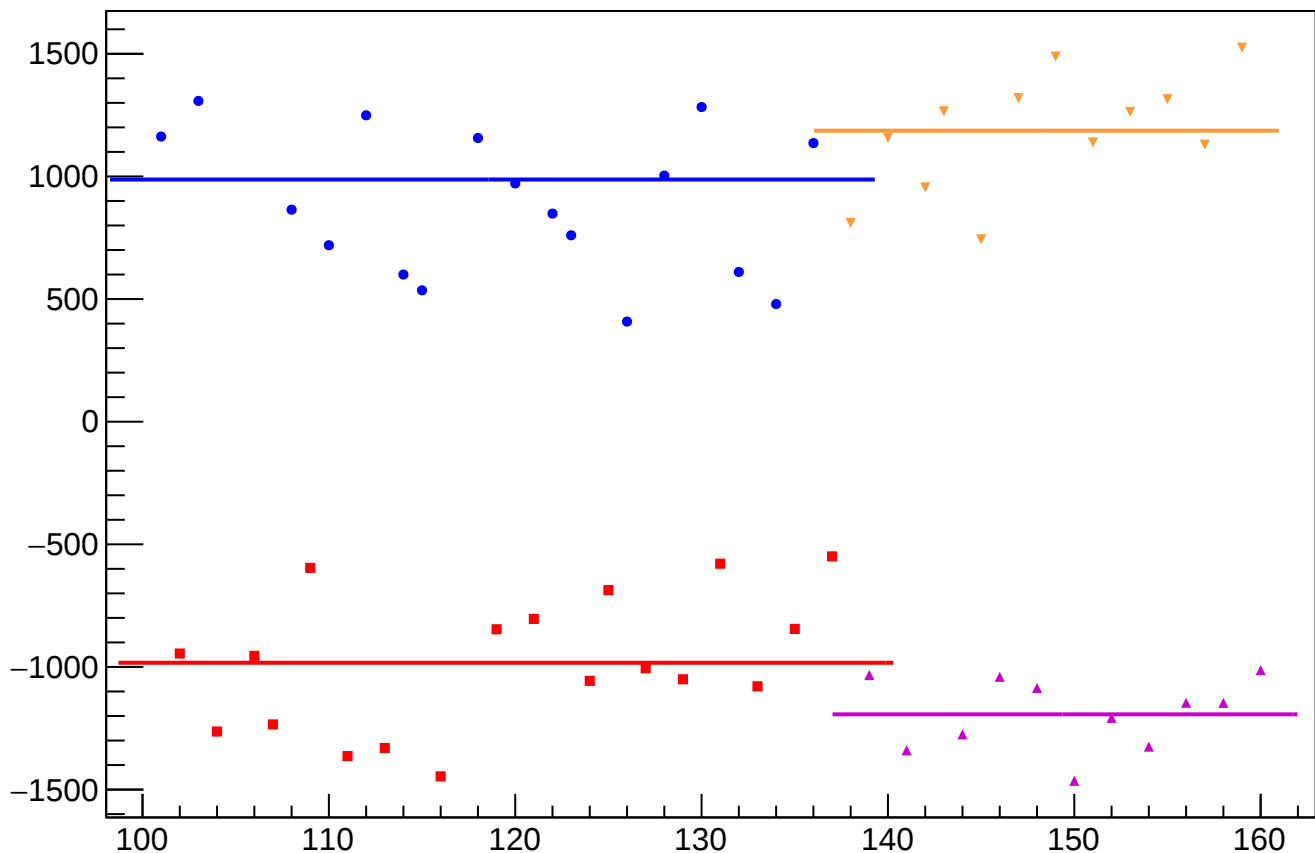
Out: 6.260 +/- 0.000 χ^2/NDF : 125150572862786669

Left In: -702.545 +/- 0.000

χ^2/NDF : 31919745309700759426030449402090356736.0/10

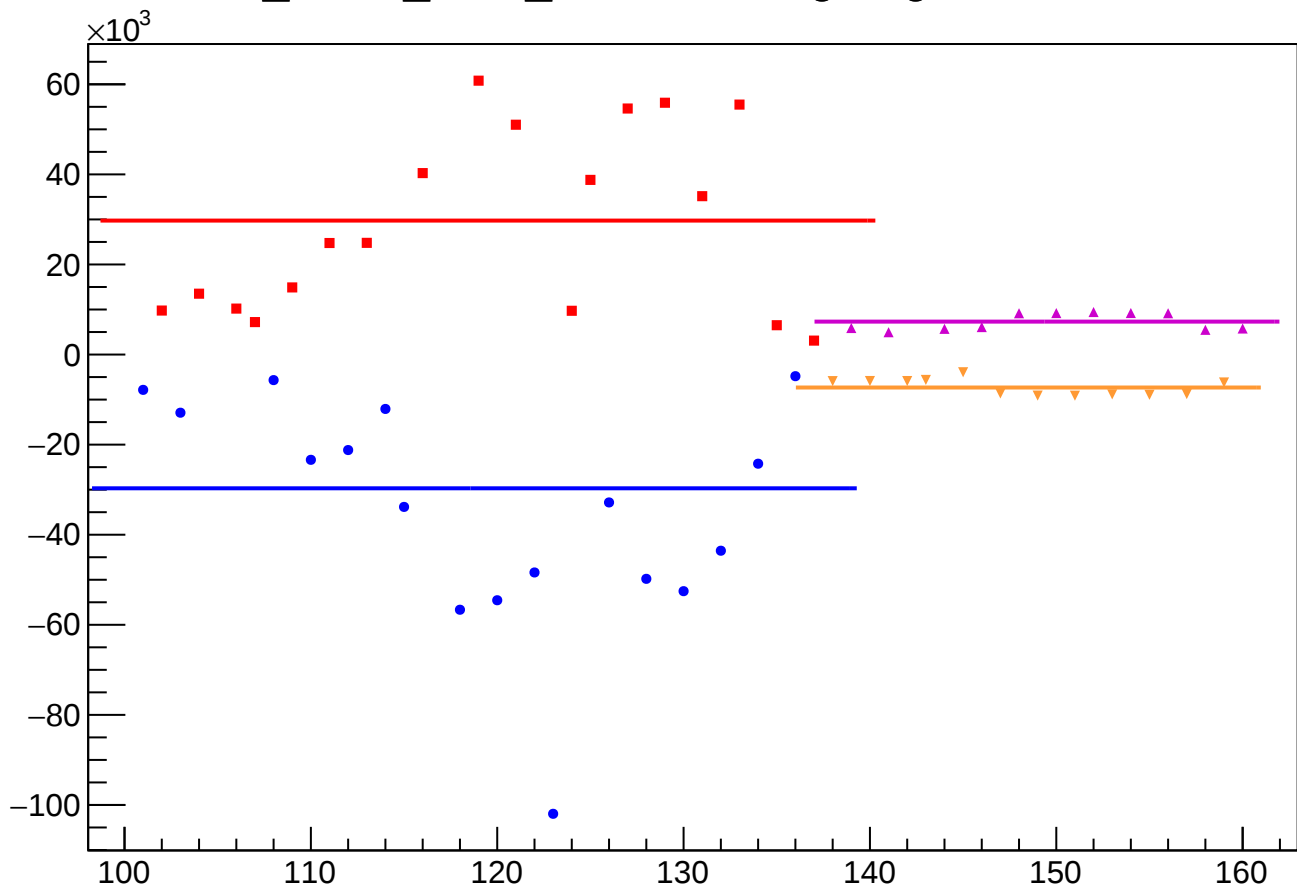
All: 1.882 +/- 0.000 χ^2/NDF : 2629569674694

dit_sam3_coil7_Ndata_mean vs Slug, Sign Corrected



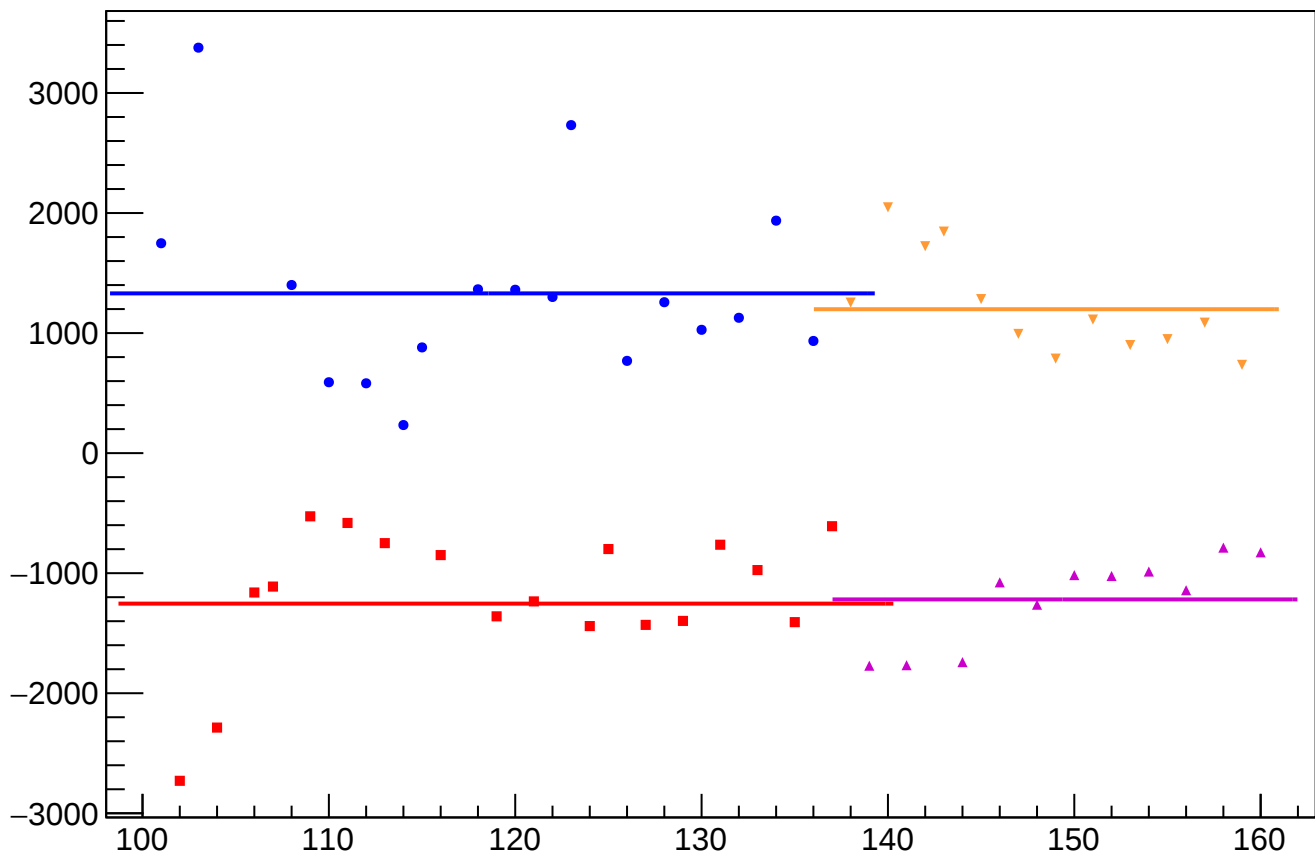
Right In: 987.388 ± 0.000 $\chi^2/\text{NDF}: 52571386835815299758771040245189181440.0/16$
 Left Out: 1186.594 ± 0.000 $\chi^2/\text{NDF}: 49763362019555548841298308984106647552.0/11$
 Right Out: -982.831 ± 0.000 $\chi^2/\text{NDF}: 48106250951114292454819733992816771072.0/17$
 Left In: -1193.230 ± 0.000 $\chi^2/\text{NDF}: 18719715189237327364686937904868491264.0/10$
 All: -16.040 ± 0.000 $\chi^2/\text{NDF}: 414386874879$

dit_sam4_coil7_mean vs Slug, Sign Corrected



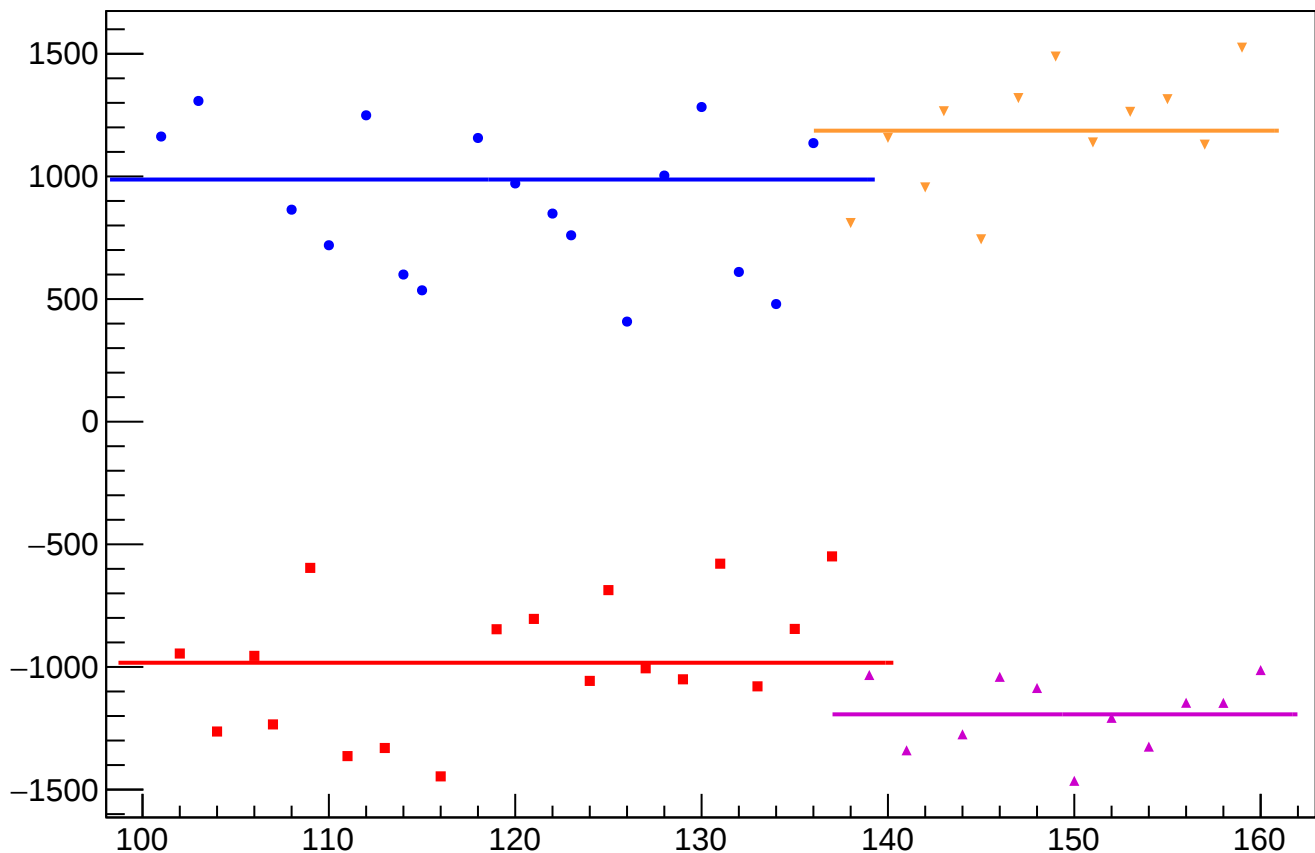
Left: 92.659 ± 0.000 $\chi^2/\text{NDF}: 10444842958829029$
 Right In: -29694.846 ± 0.000 $\chi^2/\text{NDF}: 282999478252028644685471433230520510578688.0/16$
 Right: 467.716 ± 0.000 $\chi^2/\text{NDF}: 181089789808864$
 Left Out: -7317.919 ± 0.000 $\chi^2/\text{NDF}: 2833730252125360195766219580881057611776.0/11$
 In: -8472.992 ± 0.000 $\chi^2/\text{NDF}: 831104398291345$
 Right Out: 29744.384 ± 0.000 $\chi^2/\text{NDF}: 283667805670372144788905534129497910018048.0/17$
 Out: 8999.536 ± 0.000 $\chi^2/\text{NDF}: 836230618033201$
 Left In: 7312.611 ± 0.000 $\chi^2/\text{NDF}: 3060303804070457713816420667232681459712.0/10$
 All: 255.210 ± 0.000 $\chi^2/\text{NDF}: 191545862718$

dit_sam4_coil7_err_mean vs Slug, Sign Corrected



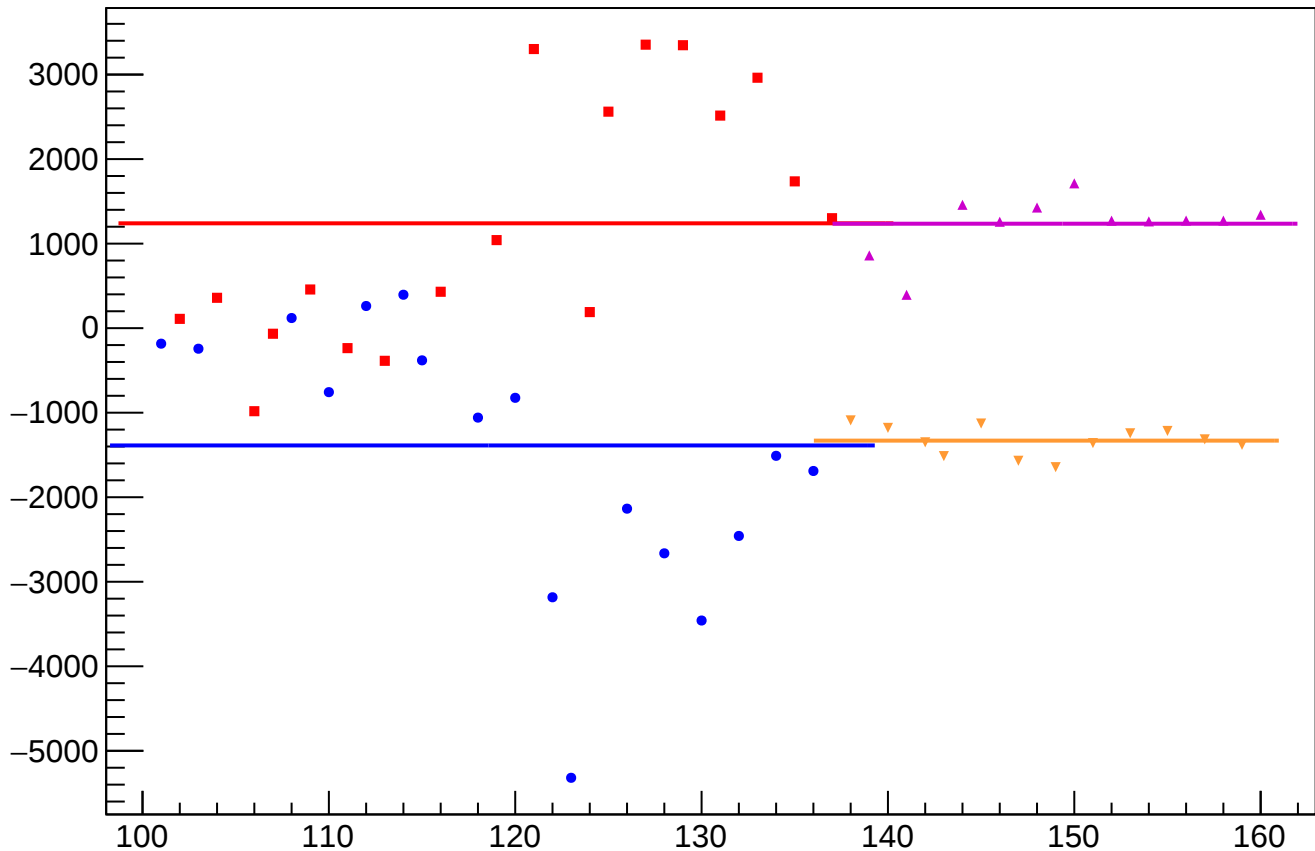
Right In: 1330.668 $\pm$ 0.000 χ^2 /NDF: 371034150705348959312326123153556242432.0/16
 Left Out: 1198.833 $\pm$ 0.000 χ^2 /NDF: 149280196072306589418447697644691128320.0/11
 Right Out: -1253.657 $\pm$ 0.000 χ^2 /NDF: 276351047411985398179849131600767877120.0/17
 Left In: -1218.551 $\pm$ 0.000 χ^2 /NDF: 116488756058911306830868466308868997120.0/10
 All: -6.167 $\pm$ 0.000 χ^2 /NDF: 5957409460373

dit_sam4_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 987.388 ± 0.000 $\chi^2/\text{NDF}: 52571386835815299758771040245189181440.0/16$
 Left Out: 1186.594 ± 0.000 $\chi^2/\text{NDF}: 49763362019555548841298308984106647552.0/11$
 Right Out: -982.831 ± 0.000 $\chi^2/\text{NDF}: 48106250951114292454819733992816771072.0/17$
 Left In: -1193.230 ± 0.000 $\chi^2/\text{NDF}: 18719715189237327364686937904868491264.0/10$
 All: -16.040 ± 0.000 $\chi^2/\text{NDF}: 414386874879$

dit_sam5_coil7_mean vs Slug, Sign Corrected



Right In: -1387.447+/-0.000

Left Out: -1330.420+/-0.000

Right Out: 1240.179+/-0.000

Left In: 1235.621+/-0.000

χ^2/NDF : 1052649963447979198116034562243591929856.0/16

χ^2/NDF : 26483457480768378875041680320691699712.0/11

χ^2/NDF : 1416369744921748520391717301088168181760.0/17

χ^2/NDF : 101175024554514162187059760134266814464.0/10

Left: -30.683+/-0.000 χ^2/NDF : 3159337559694203

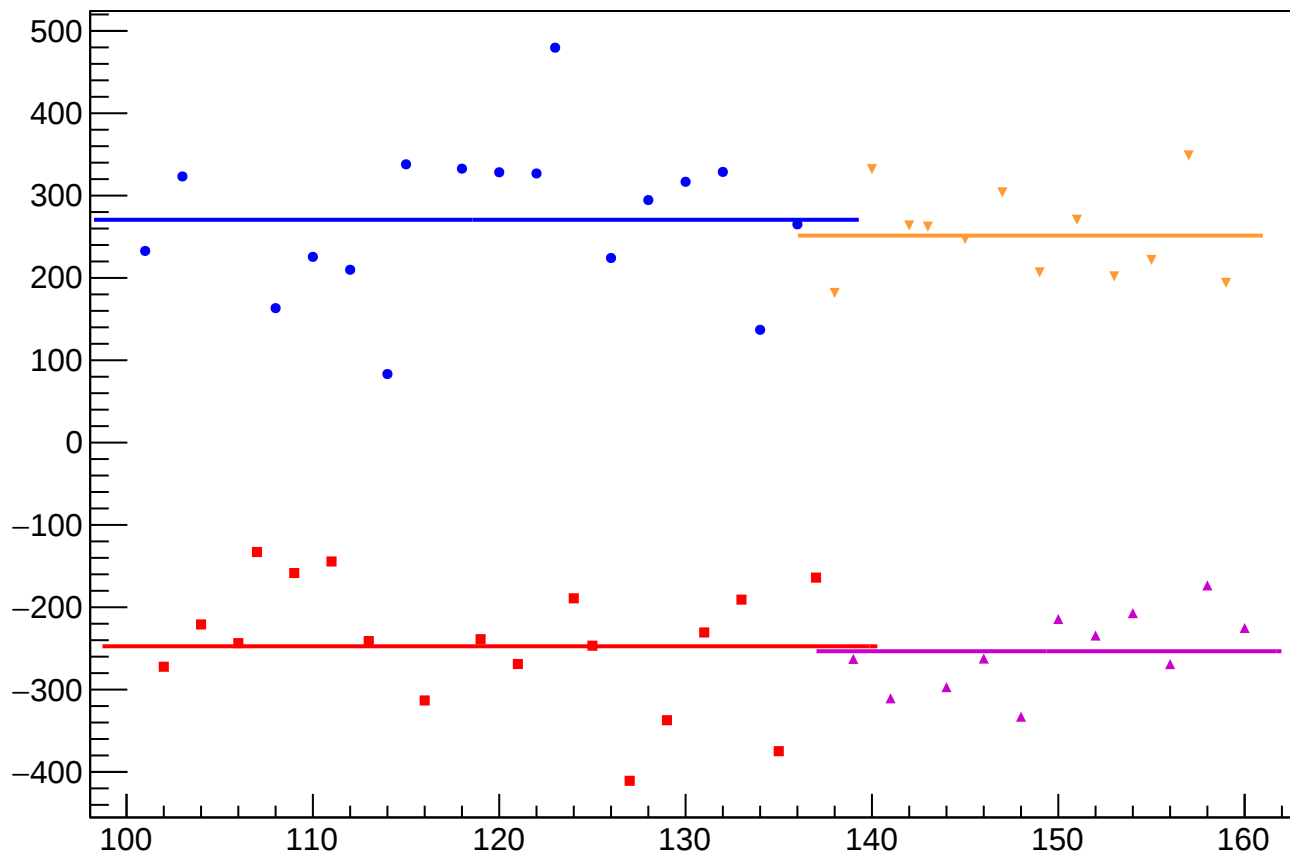
Right: -54.053+/-0.000 χ^2/NDF : 490056143046603

In: 116.746+/-0.000 χ^2/NDF : 38920726643597010

Out: -198.660+/-0.000 χ^2/NDF : 408740909485264

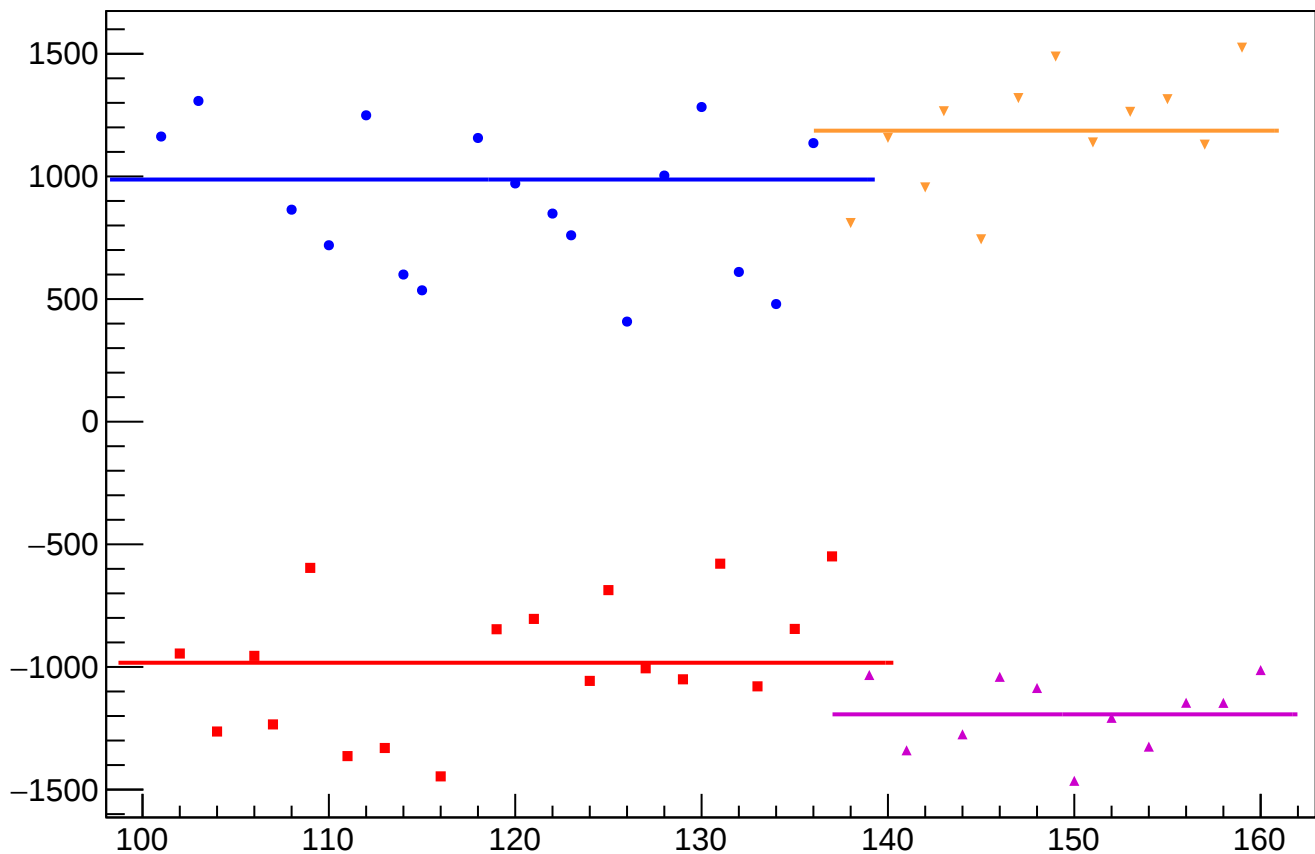
All: -40.811+/-0.000 χ^2/NDF : 806033500101

dit_sam5_coil7_err_mean vs Slug, Sign Corrected



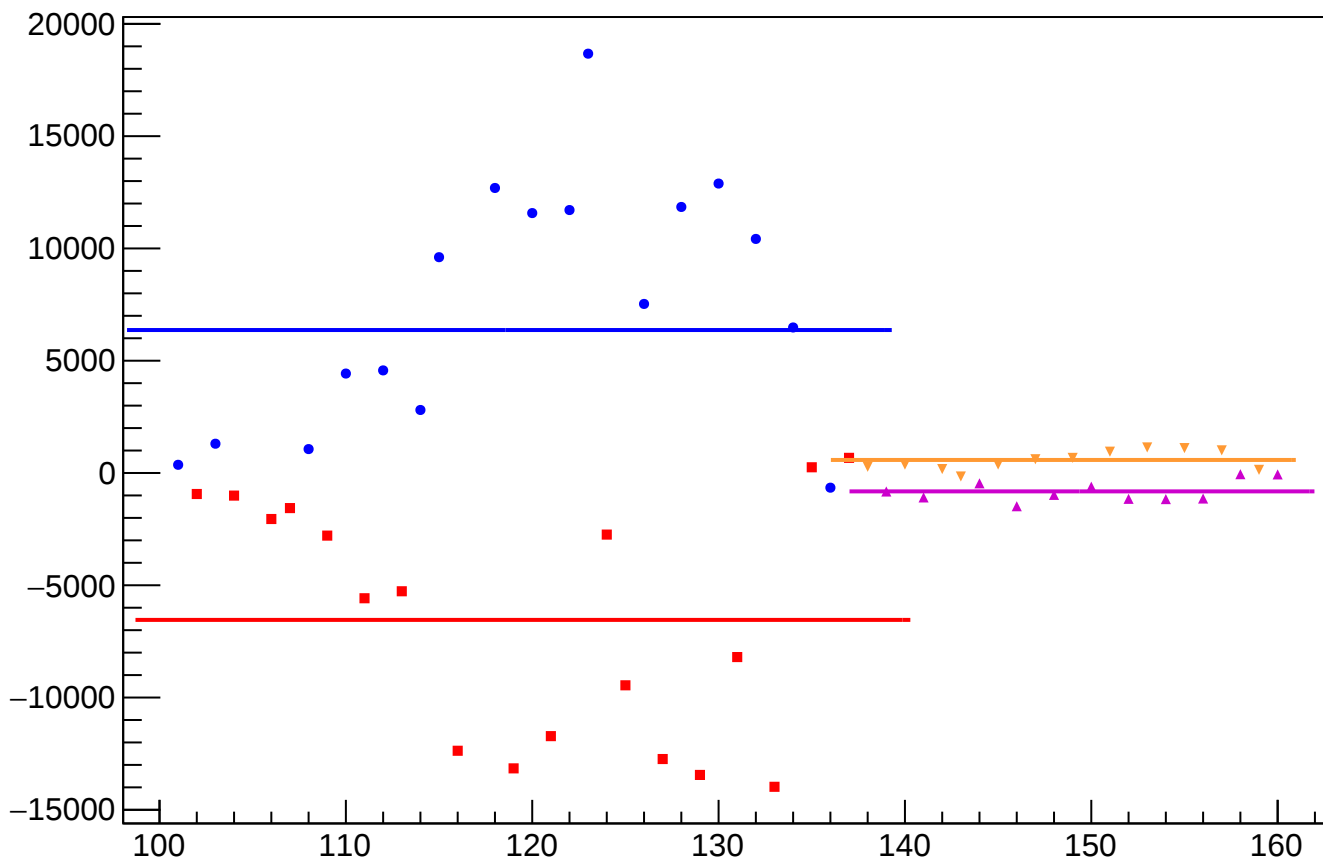
Right In: 270.634 $\pm$ 0.000 χ^2 /NDF: 2782961301444799640631413817001115648.0/16
 Left Out: 251.431 $\pm$ 0.000 χ^2 /NDF: 2584936508665838554891763249678647296.0/11
 Right Out: -247.395 $\pm$ 0.000 χ^2 /NDF: 4145415912975495896207578940101885952.0/17
 Left In: -253.400 $\pm$ 0.000 χ^2 /NDF: 1956558228349454722124070225585373184.0/10
 All: 0.941 $\pm$ 0.000 χ^2 /NDF: 22343270830260

dit_sam5_coil7_Ndata_mean vs Slug, Sign Corrected



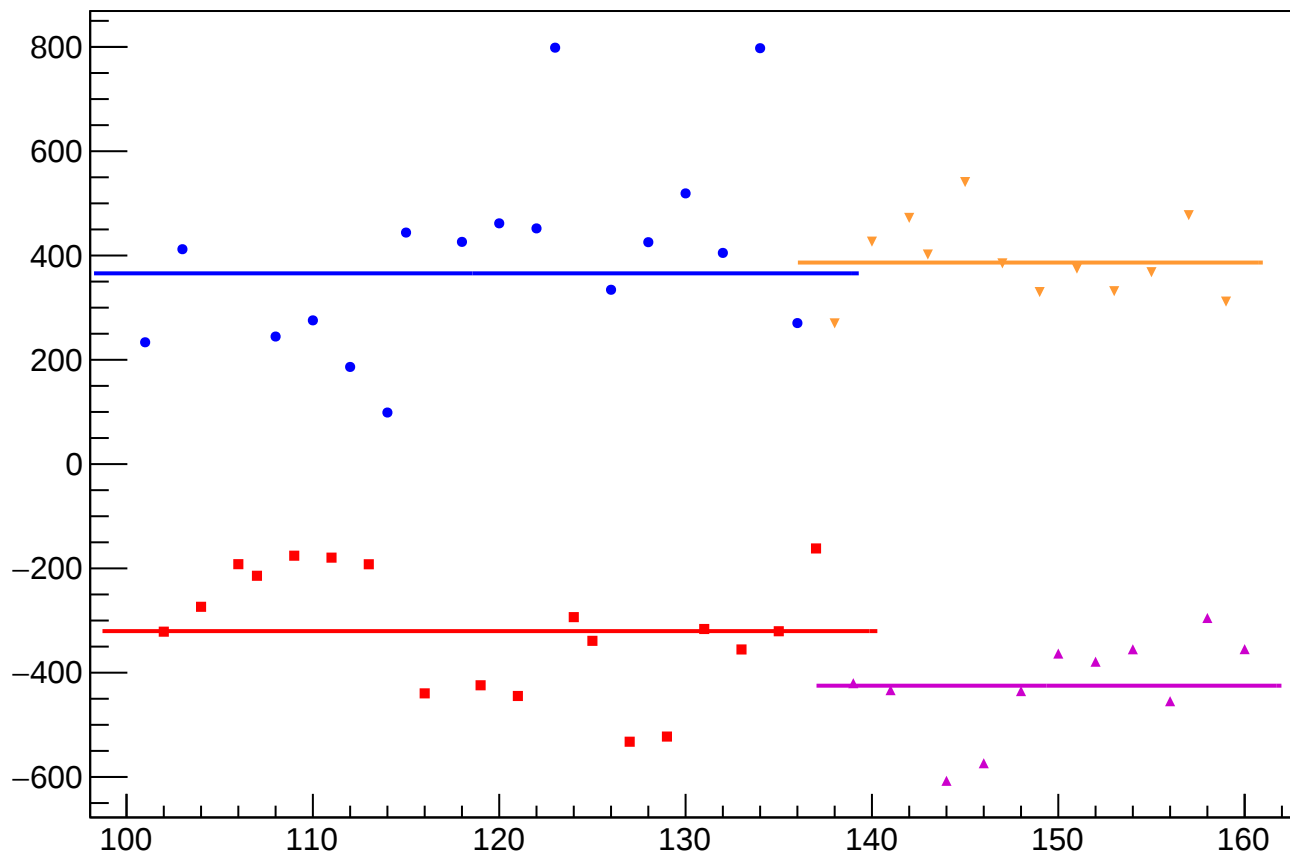
Right In: 987.388 ± 0.000 $\chi^2/\text{NDF}: 52571386835815299758771040245189181440.0/16$
 Left Out: 1186.594 ± 0.000 $\chi^2/\text{NDF}: 49763362019555548841298308984106647552.0/11$
 Right Out: -982.831 ± 0.000 $\chi^2/\text{NDF}: 48106250951114292454819733992816771072.0/17$
 Left In: -1193.230 ± 0.000 $\chi^2/\text{NDF}: 18719715189237327364686937904868491264.0/10$
 All: -16.040 ± 0.000 $\chi^2/\text{NDF}: 414386874879$

dit_sam6_coil7_mean vs Slug, Sign Corrected



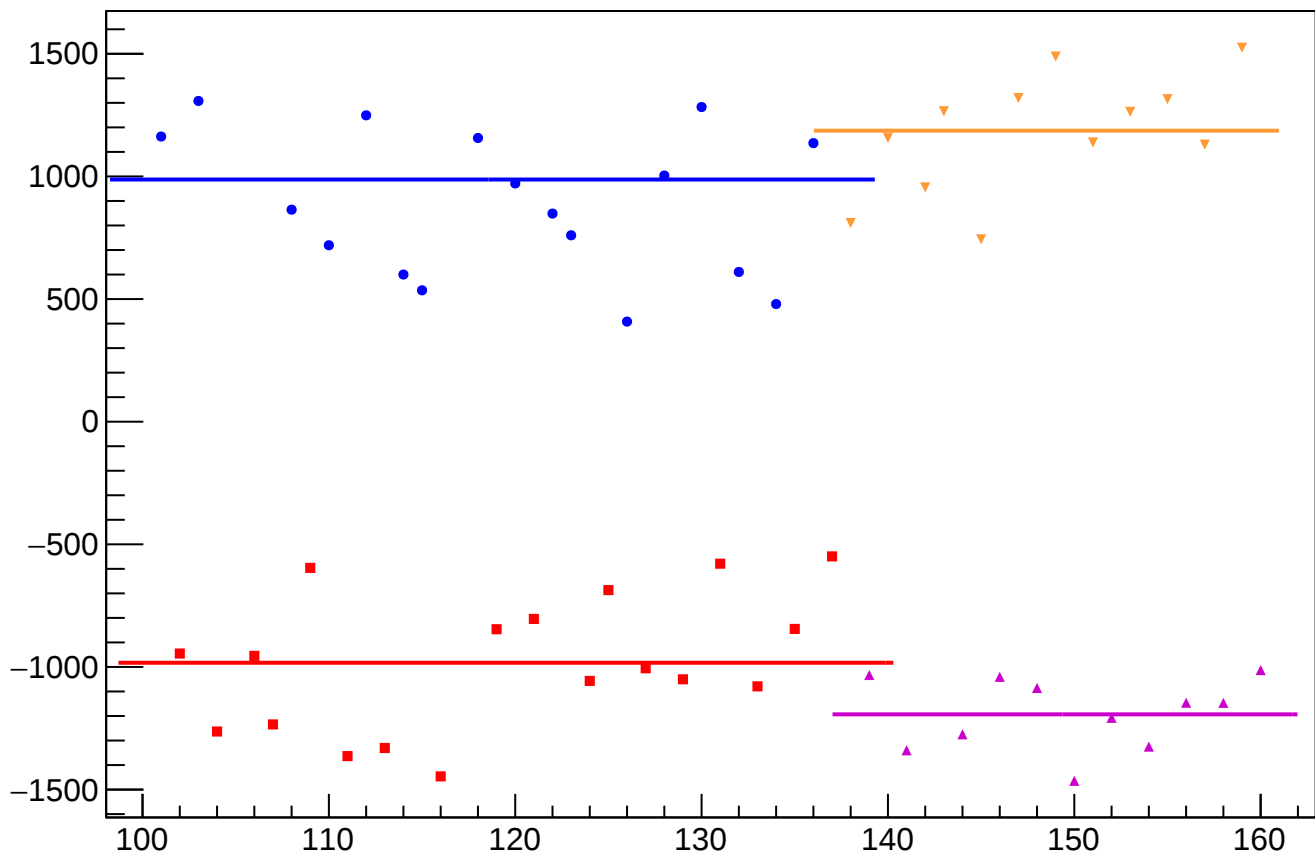
Left: -128.443+/-0.000 χ^2/NDF : 123207860803939
 Right In: 6366.506+/-0.000 χ^2/NDF : 19013791293174950781662205946475975802880.0/16
 Left Out: 580.460+/-0.000 χ^2/NDF : 147049020633782369498744411617383940096.0/11
 Right Out: -6542.482+/-0.000 χ^2/NDF : 19769956838076333850932350219813545574400.0/17
 In: 2245.928+/-0.000 χ^2/NDF : 3974551430914154
 Out: -2555.564+/-0.000 χ^2/NDF : 40221991320897
 Left In: -819.110+/-0.000 χ^2/NDF : 183157286760955615902217096477246750720.0/10
 All: -152.603+/-0.000 χ^2/NDF : 98704897358

dit_sam6_coil7_err_mean vs Slug, Sign Corrected



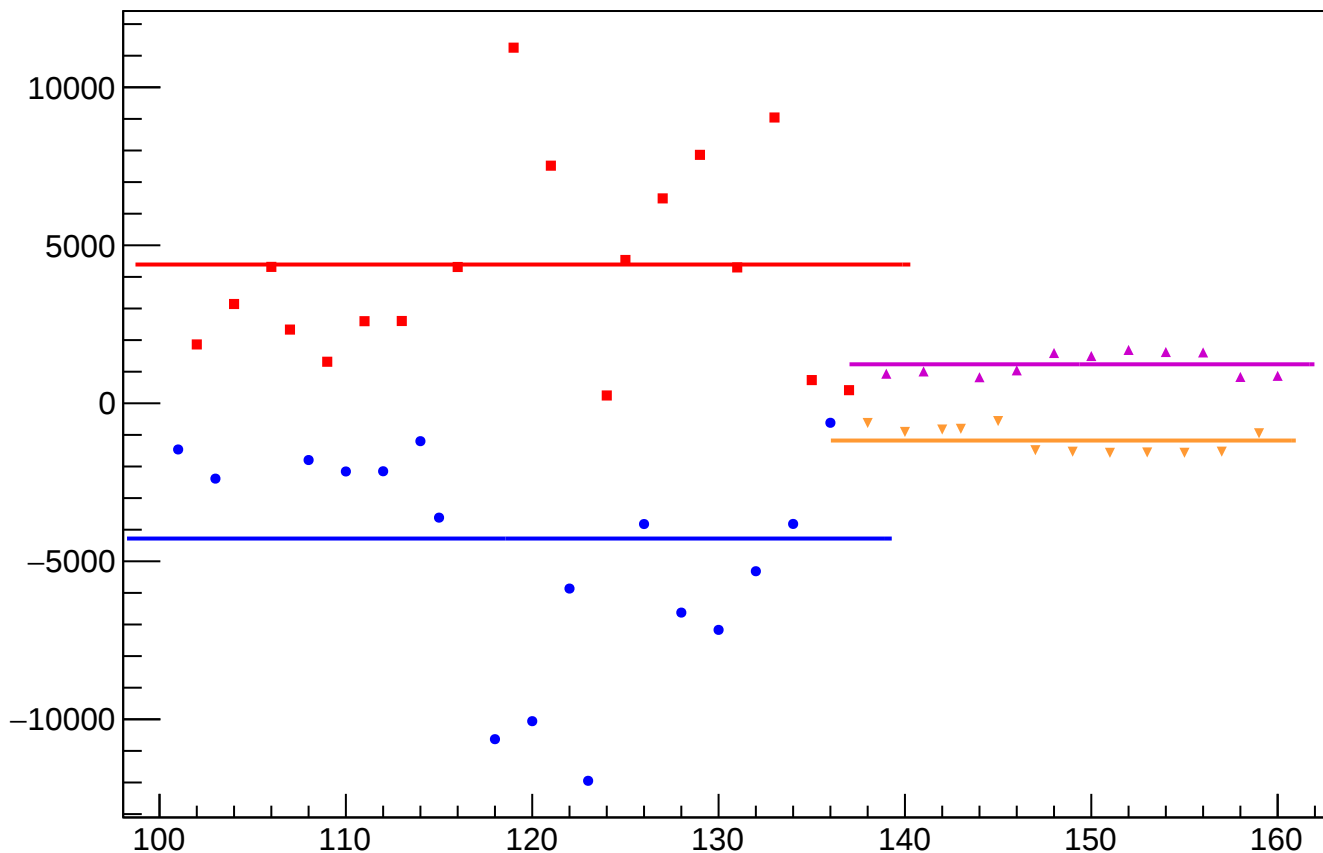
Right In: 365.806 ± 0.000 χ^2/NDF : 12360453443474503357525500563004850176.0/16
 Left Out: 386.511 ± 0.000 χ^2/NDF : 5027608774007269972306139885841940480.0/11
 Right Out: -320.284 ± 0.000 χ^2/NDF : 9463966273350706118112483440542613504.0/17
 Left In: -424.949 ± 0.000 χ^2/NDF : 7621452352927450037498346719559024640.0/10
 All: -6.236 ± 0.000 χ^2/NDF : 5048392112381

dit_sam6_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 987.388 ± 0.000 $\chi^2/\text{NDF}: 52571386835815299758771040245189181440.0/16$
 Left Out: 1186.594 ± 0.000 $\chi^2/\text{NDF}: 49763362019555548841298308984106647552.0/11$
 Right Out: -982.831 ± 0.000 $\chi^2/\text{NDF}: 48106250951114292454819733992816771072.0/17$
 Left In: -1193.230 ± 0.000 $\chi^2/\text{NDF}: 18719715189237327364686937904868491264.0/10$
 All: -16.040 ± 0.000 $\chi^2/\text{NDF}: 414386874879$

dit_sam7_coil7_mean vs Slug, Sign Corrected



Right In: -4279.824 +/- 0.000

χ^2/NDF : 6998436131465727751461675089449726246912.0/16

Left Out: -1178.229 +/- 0.000

χ^2/NDF : 141473895084928360538242951996197830656.0/11

Right Out: 4391.806 +/- 0.000

χ^2/NDF : 7013803733920665719163942153165454966784.0/17

Left In: 1234.217 +/- 0.000

χ^2/NDF : 113222953765781340341469389402247528448.0/10

Left: 43.710 +/- 0.000 χ^2/NDF : 29343040287419232

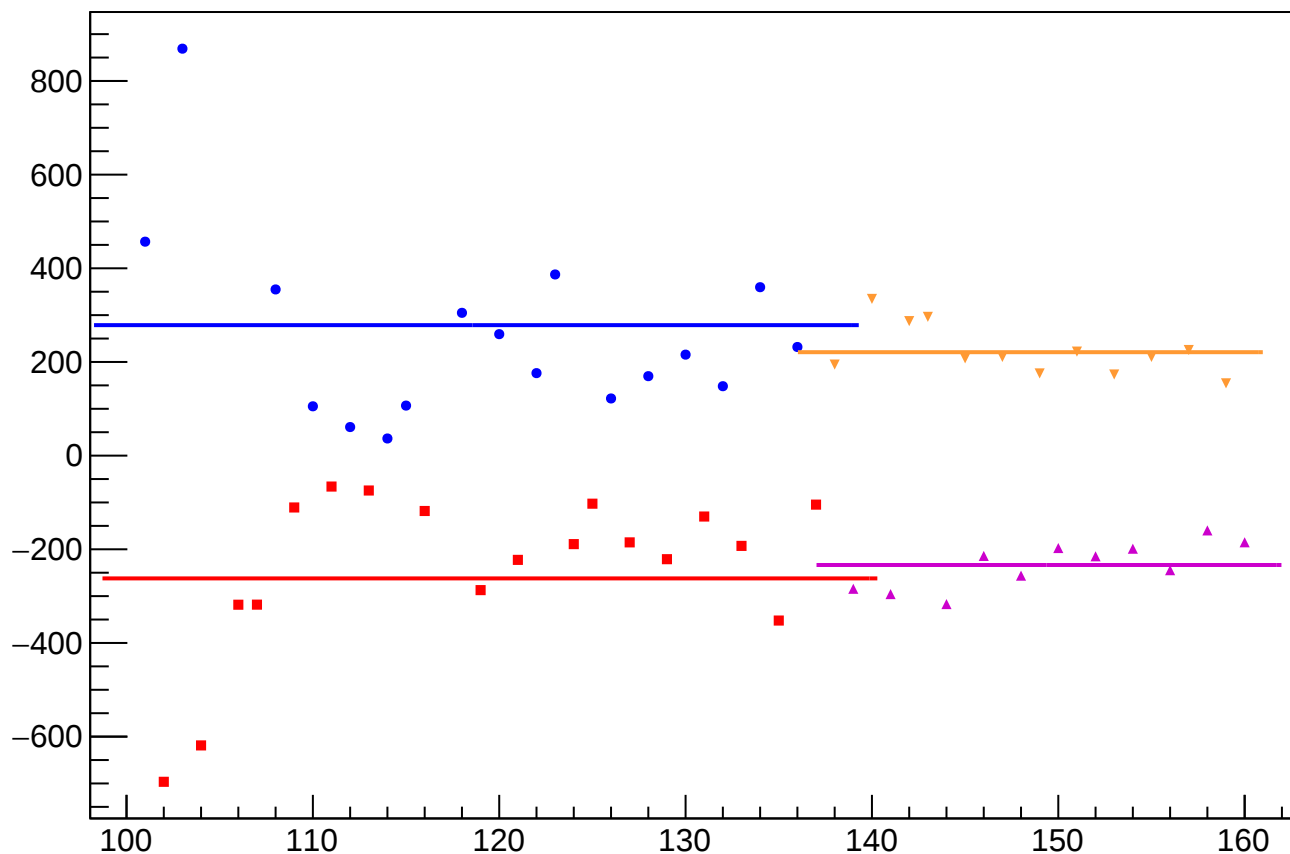
Right: 120.613 +/- 0.000 χ^2/NDF : 404945631723086

In: -1117.808 +/- 0.000 χ^2/NDF : 192118879128319

Out: 1274.096 +/- 0.000 χ^2/NDF : 195717965663512

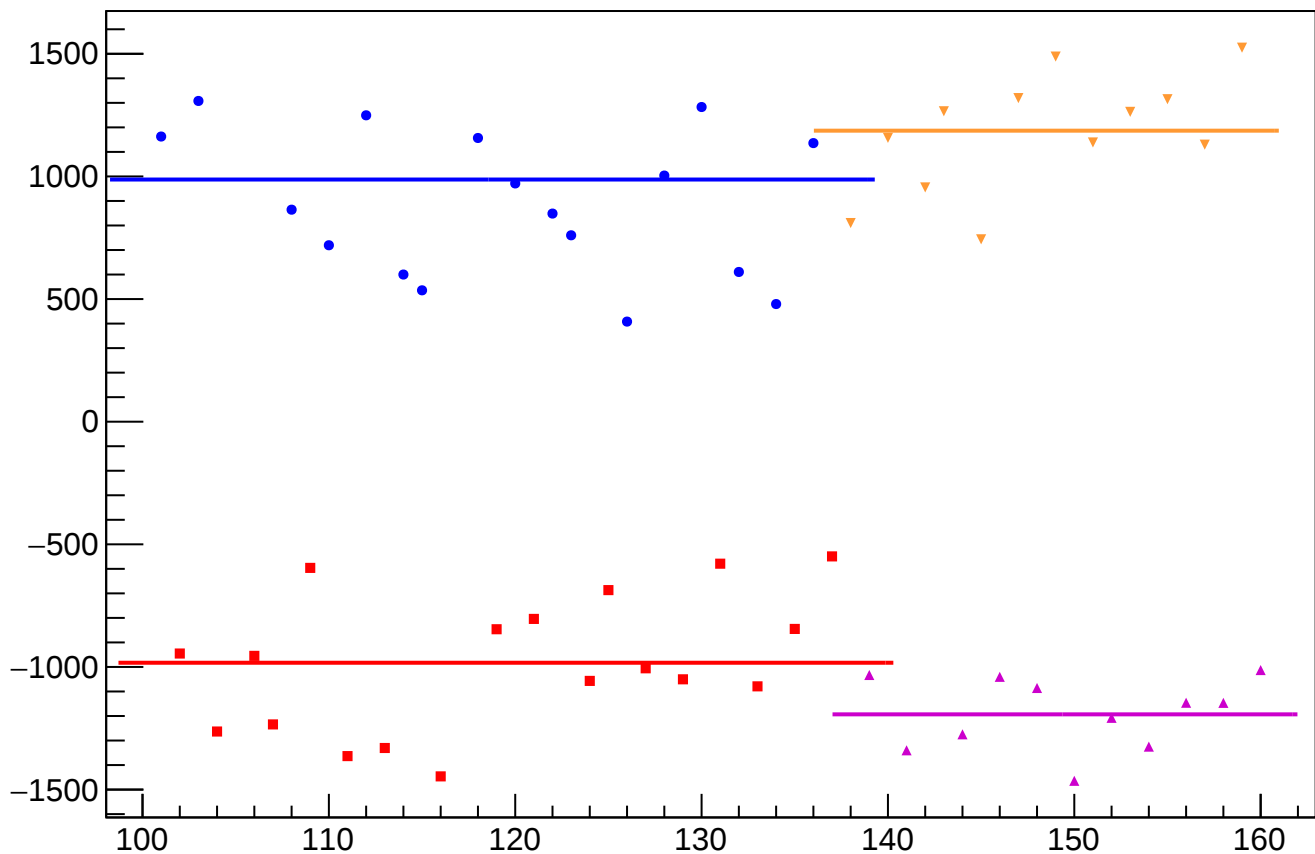
All: 77.040 +/- 0.000 χ^2/NDF : 4343358856524

dit_sam7_coil7_err_mean vs Slug, Sign Corrected



Right In: 278.633+/-0.000	χ^2/NDF : 30524296265206738304048515708883042304.0/16	Left: -9.280+/-0.000	χ^2/NDF : 99653858078179457
Left Out: 220.880+/-0.000	χ^2/NDF : 2451153402301458952205629704112177152.0/11	Right: 4.206+/-0.000	χ^2/NDF : 15926891041160523
Right Out: -262.162+/-0.000	χ^2/NDF : 25748645086335087770789028222868652032.0/17	In: -15.060+/-0.000	χ^2/NDF : 13704804736931468
Left In: -233.520+/-0.000	χ^2/NDF : 2135124077253807192462629940293009408.0/10	Out: 8.211+/-0.000	χ^2/NDF : 121579786580146270
	All: -3.435+/-0.000	χ^2/NDF : 2590679569370	

dit_sam7_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 987.388+/-0.000

χ^2/NDF : 52571386835815299758771040245189181440.0/16

Left Out: 1186.594+/-0.000

χ^2/NDF : 49763362019555548841298308984106647552.0/11

Right Out: -982.831+/-0.000

χ^2/NDF : 48106250951114292454819733992816771072.0/17

Left In: -1193.230+/-0.000

χ^2/NDF : 18719715189237327364686937904868491264.0/10

Left: -18.822+/-0.000 χ^2/NDF : 2676111842139268

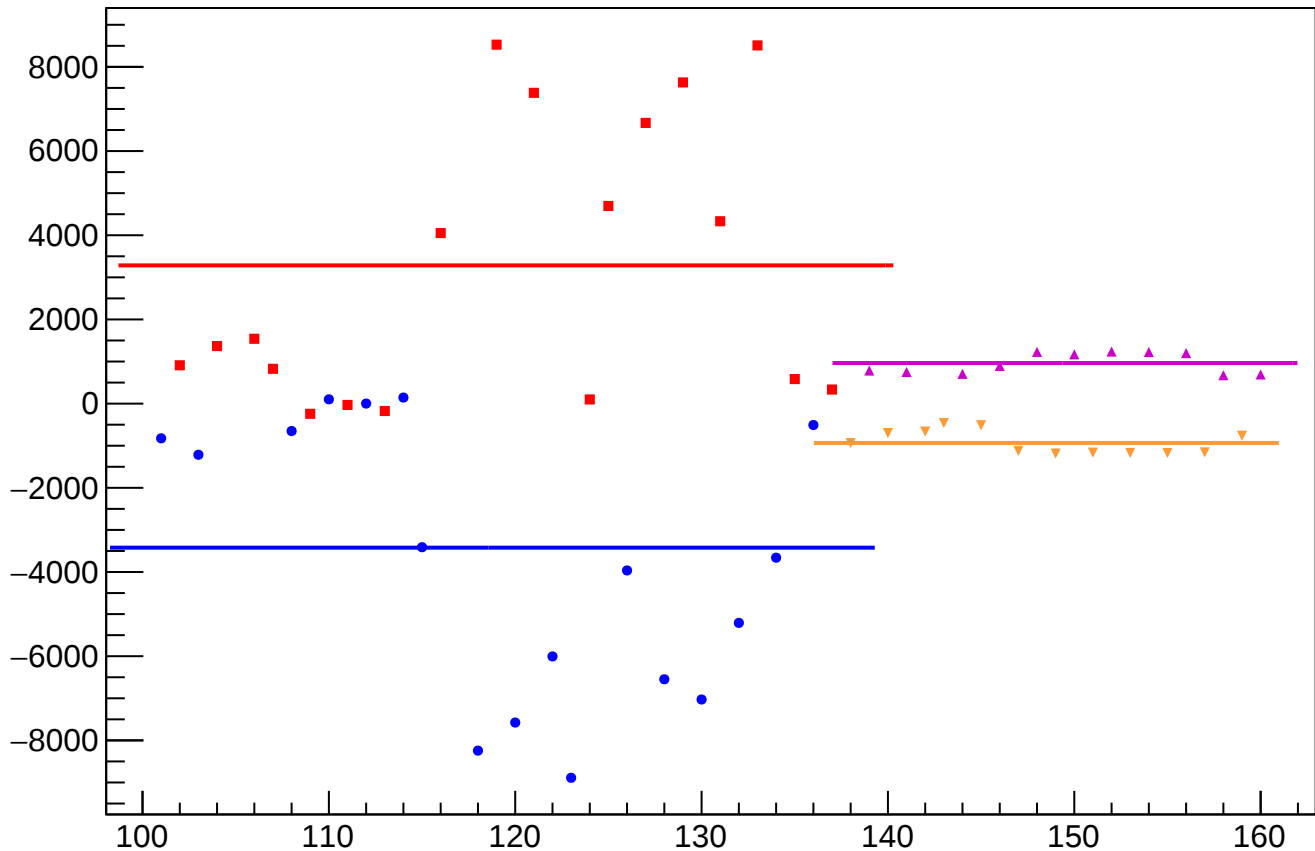
Right: -12.404+/-0.000 χ^2/NDF : 146772402174972

In: 263.084+/-0.000 χ^2/NDF : 1963690344467940

Out: 231.459+/-0.000 χ^2/NDF : 1981402088557405

All: -16.040+/-0.000 χ^2/NDF : 414386874879

dit_sam8_coil7_mean vs Slug, Sign Corrected



Right In: -3421.719+/-0.000

χ^2/NDF : 6462112736004972779572658363986020925440.0/16

Left Out: -933.972+/-0.000

χ^2/NDF : 64192639419401528934807333255243628544.0/11

Right Out: 3284.376+/-0.000

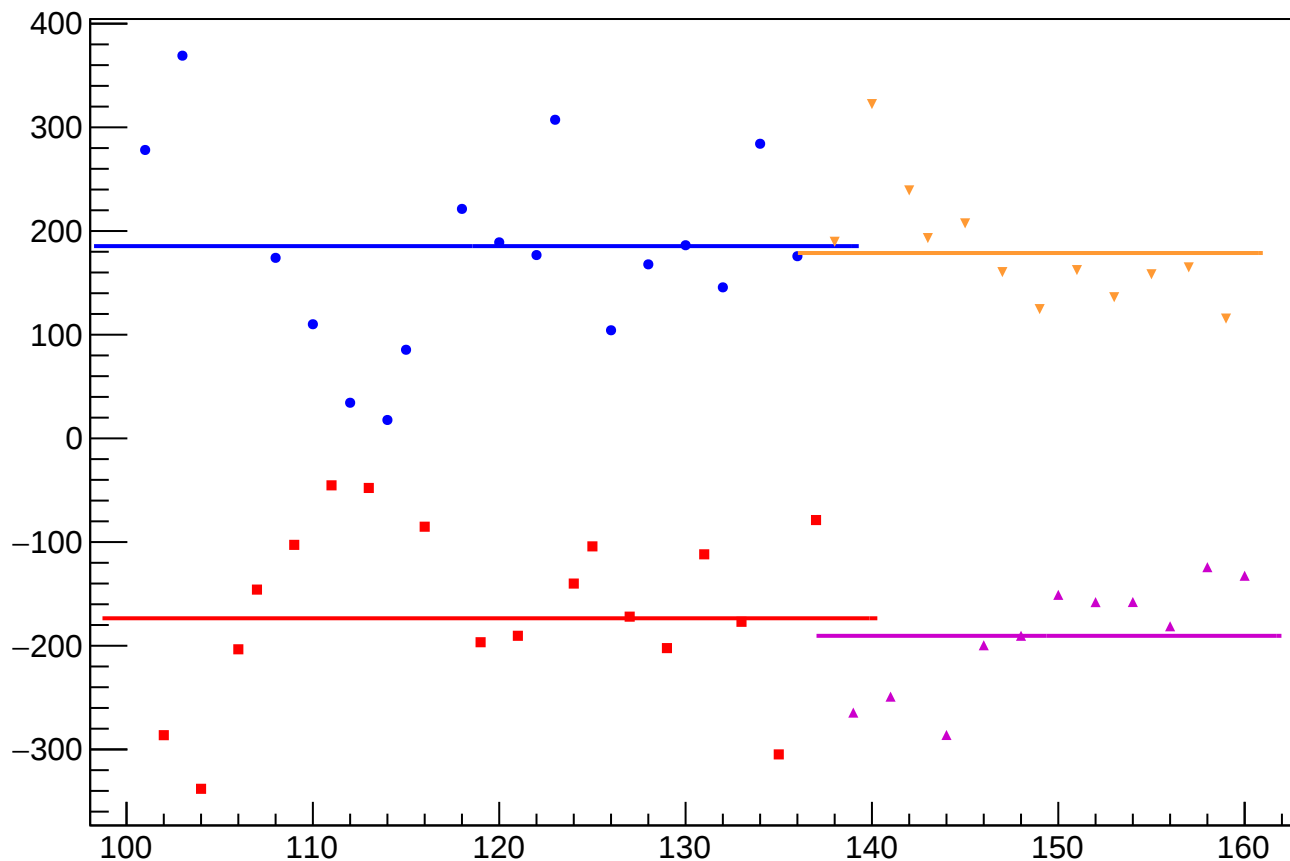
χ^2/NDF : 7820854185595313728450757047863572692992.0/17

Left In: 964.532+/-0.000

χ^2/NDF : 52328346838047917935593162774962765824.0/10

Left: 27.648+/-0.000 χ^2/NDF : 17760271131271719
 Right: -18.697+/-0.000 χ^2/NDF : 301207331793136
 In: -906.432+/-0.000 χ^2/NDF : 1417112247304554
 Out: 923.244+/-0.000 χ^2/NDF : 1500650014022729
 All: 7.562+/-0.000 χ^2/NDF : 31898475032999

dit_sam8_coil7_err_mean vs Slug, Sign Corrected



Right In: 185.440 $\pm$ 0.000

χ^2/NDF : 4992999881975997017558054599194050560.0/16

Left Out: 178.789 $\pm$ 0.000

χ^2/NDF : 2761846974558217365203652056992186368.0/11

Right Out: -173.513 $\pm$ 0.000

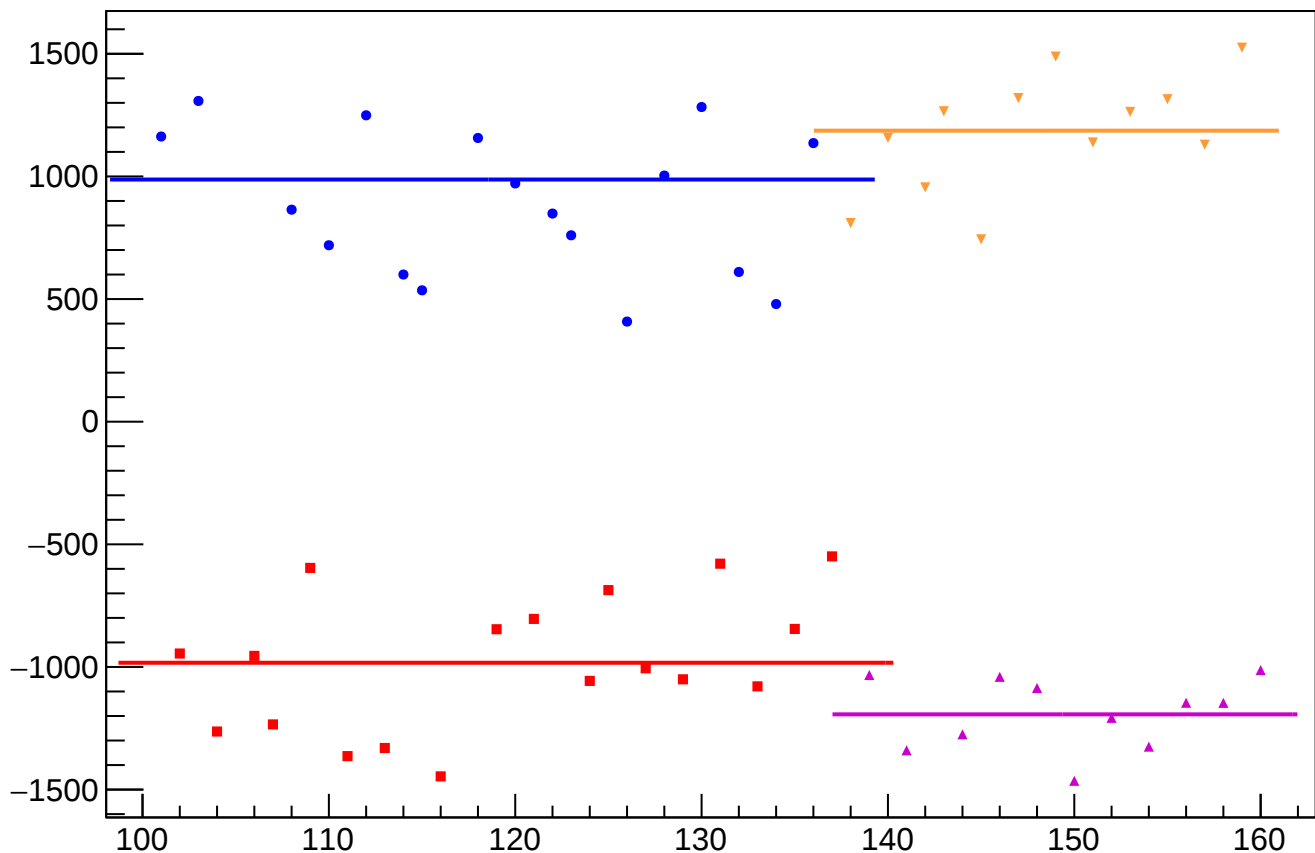
χ^2/NDF : 5476704825855084602521292305195859968.0/17

Left In: -190.431 $\pm$ 0.000

χ^2/NDF : 2526907691148920878217594844913598464.0/10

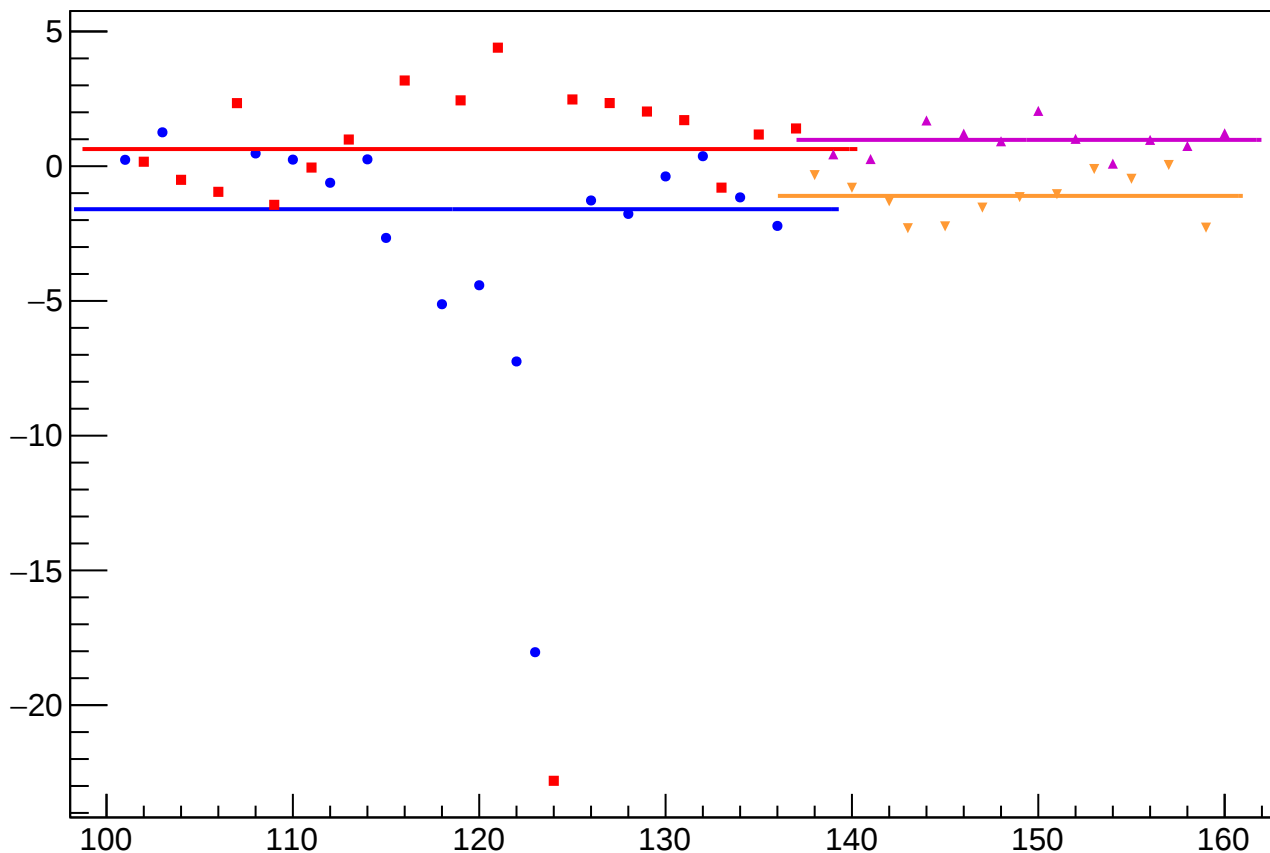
All: -3.236 $\pm$ 0.000 χ^2/NDF : 1240070542970

dit_sam8_coil7_Ndata_mean vs Slug, Sign Corrected



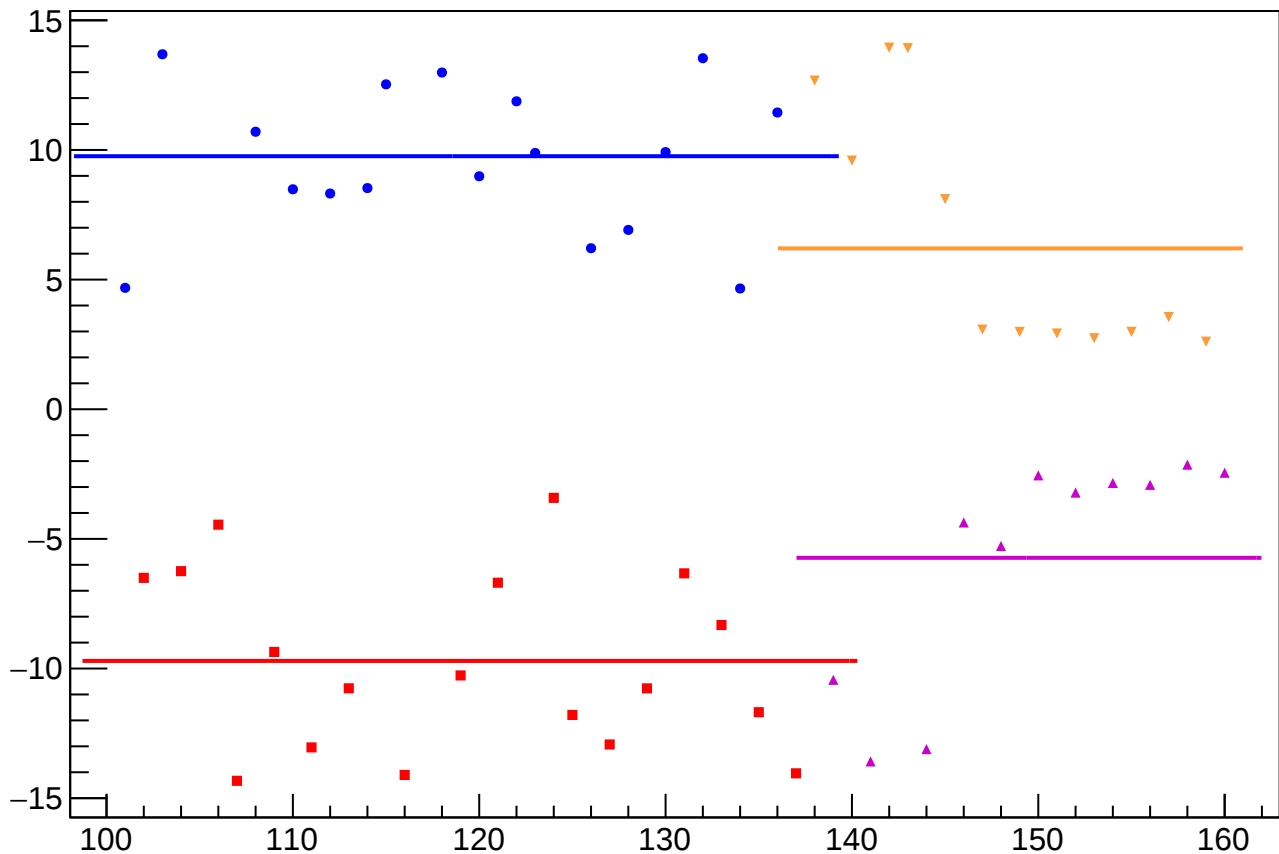
Right In: 987.388 $\pm$ 0.000 χ^2 /NDF: 52571386835815299758771040245189181440.0/16
 Left Out: 1186.594 $\pm$ 0.000 χ^2 /NDF: 49763362019555548841298308984106647552.0/11
 Right Out: -982.831 $\pm$ 0.000 χ^2 /NDF: 48106250951114292454819733992816771072.0/17
 Left In: -1193.230 $\pm$ 0.000 χ^2 /NDF: 18719715189237327364686937904868491264.0/10
 All: -16.040 $\pm$ 0.000 χ^2 /NDF: 414386874879

dit_4aX_coil4_mean vs Slug, Sign Corrected



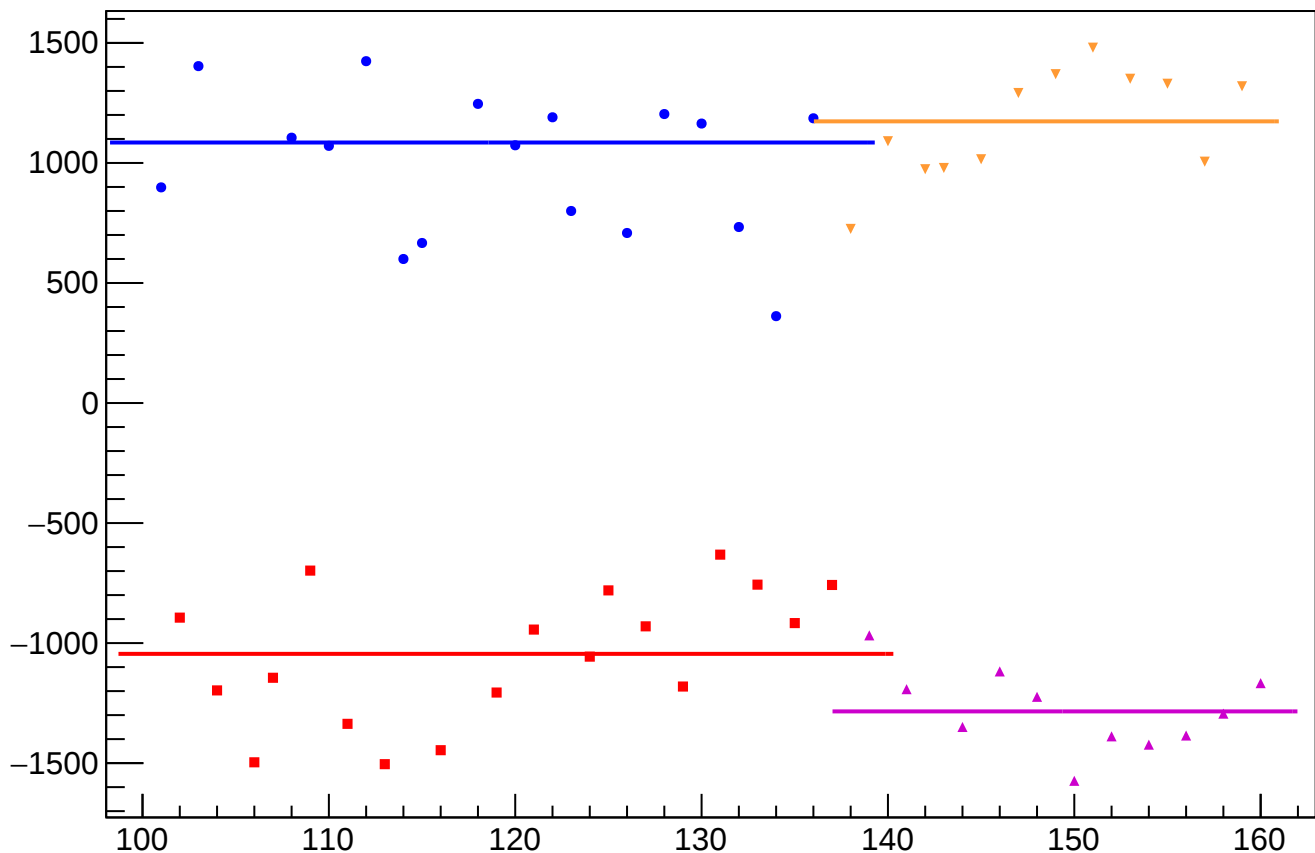
Right In: -1.596 ± 0.000 $\chi^2/\text{NDF}: 4654807928359892398673617982849024.0/16$
 Left Out: -1.102 ± 0.000 $\chi^2/\text{NDF}: 592180467002513566987832570937344.0/11$
 Right Out: 0.636 ± 0.000 $\chi^2/\text{NDF}: 9571048295343482409580772007608320.0/17$
 Left In: 0.977 ± 0.000 $\chi^2/\text{NDF}: 300890397650119639347670720446464.0/10$
 All: -0.229 ± 0.000 $\chi^2/\text{NDF}: 1899961310160$

dit_4aX_coil4_err_mean vs Slug, Sign Corrected



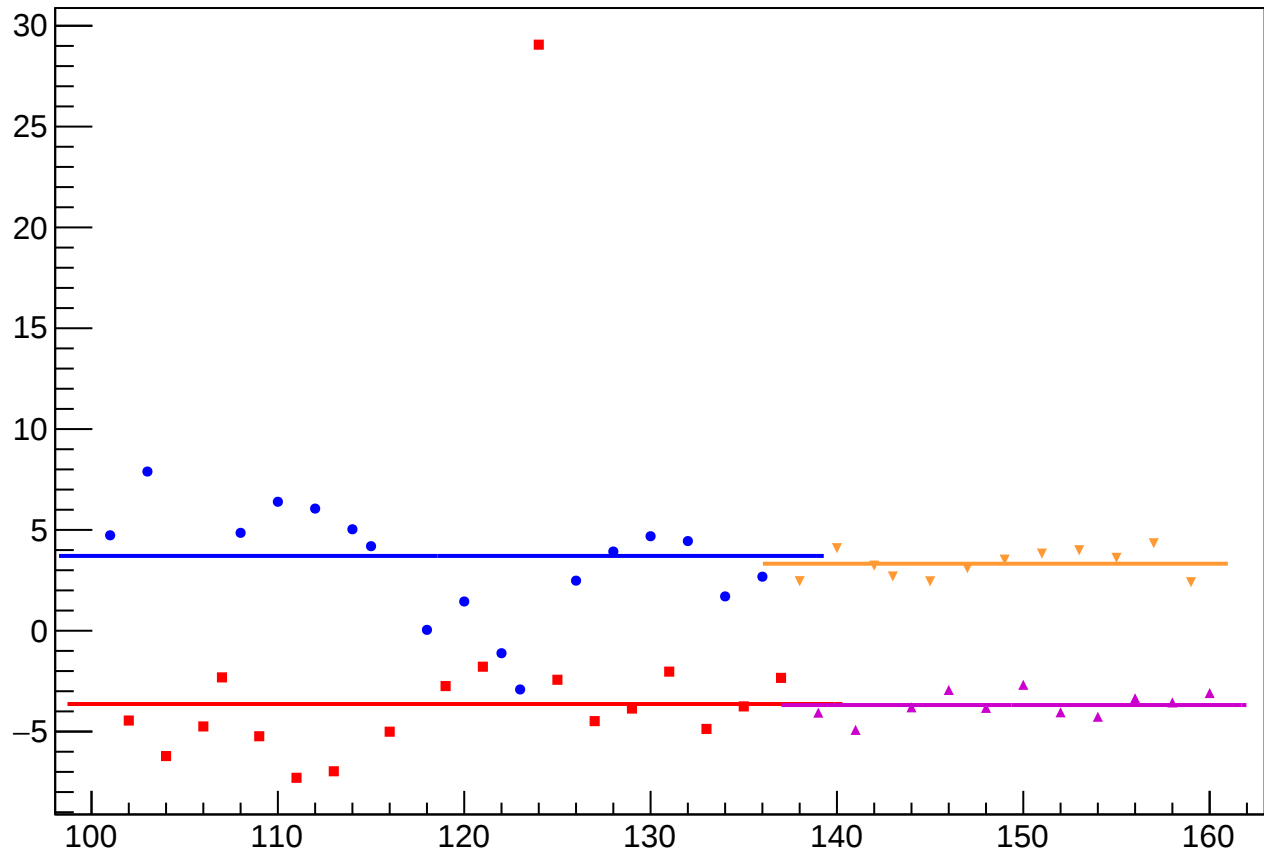
Right In: 9.759 ± 0.000 $\chi^2/\text{NDF}: 5805218601264248923404355625811968.0/16$
 Left Out: 6.204 ± 0.000 $\chi^2/\text{NDF}: 17109991032954173502313359403384832.0/11$
 Right Out: -9.706 ± 0.000 $\chi^2/\text{NDF}: 6508390621050403360774220706480128.0/17$
 Left In: -5.730 ± 0.000 $\chi^2/\text{NDF}: 16834211139985692030618150983696384.0/10$
 All: 0.039 ± 0.000 $\chi^2/\text{NDF}: 24531816908963$

dit_4aX_coil4_Ndata_mean vs Slug, Sign Corrected



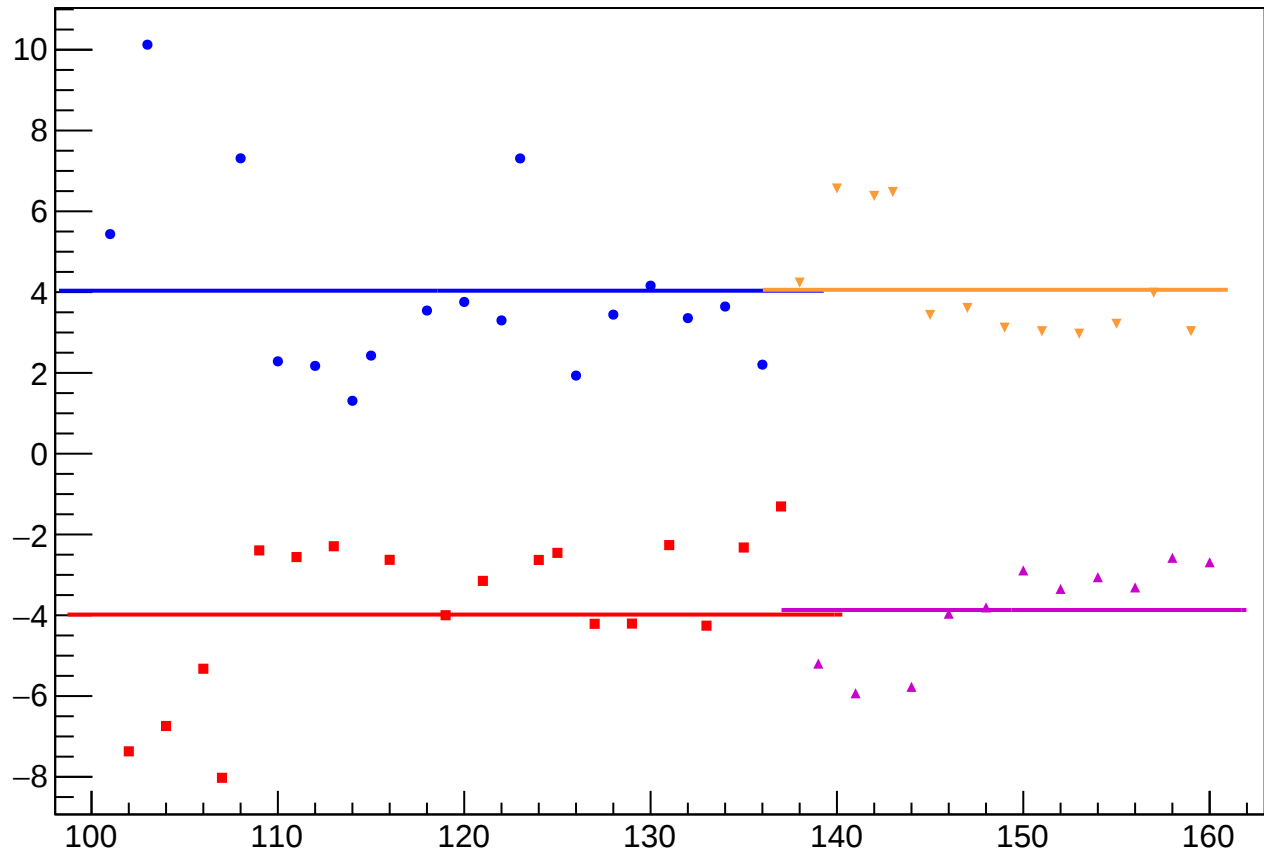
Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_4eX_coil4_mean vs Slug, Sign Corrected



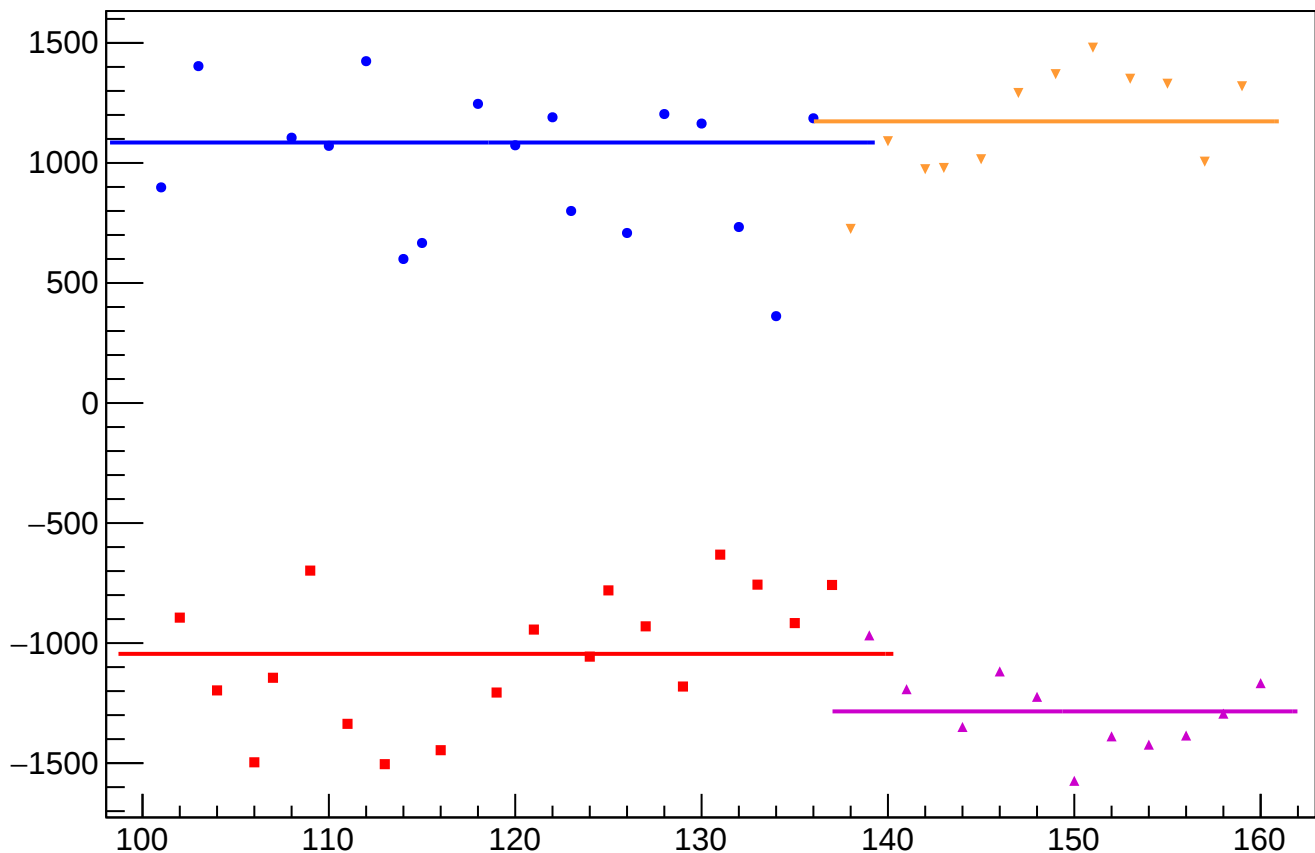
Right In: 3.709 ± 0.000	$\chi^2/\text{NDF}: 4018102777172229540031969661812736.0/16$	Left: -0.226 ± 0.000	$\chi^2/\text{NDF}: 23383551075472109$
Left Out: 3.324 ± 0.000	$\chi^2/\text{NDF}: 408662092507009780807820497649664.0/11$	Right: -0.017 ± 0.000	$\chi^2/\text{NDF}: 4018681525044559$
Right Out: -3.634 ± 0.000	$\chi^2/\text{NDF}: 17179706396424887783373227094441984.0/17$	In: -0.531 ± 0.000	$\chi^2/\text{NDF}: 261371414344813745$
Left In: -3.684 ± 0.000	$\chi^2/\text{NDF}: 362171161596980472614323696435200.0/10$	Out: 0.261 ± 0.000	$\chi^2/\text{NDF}: 369594753824512498$
	All: -0.135 ± 0.000		$\chi^2/\text{NDF}: 6360532498866$

dit_4eX_coil4_err_mean vs Slug, Sign Corrected



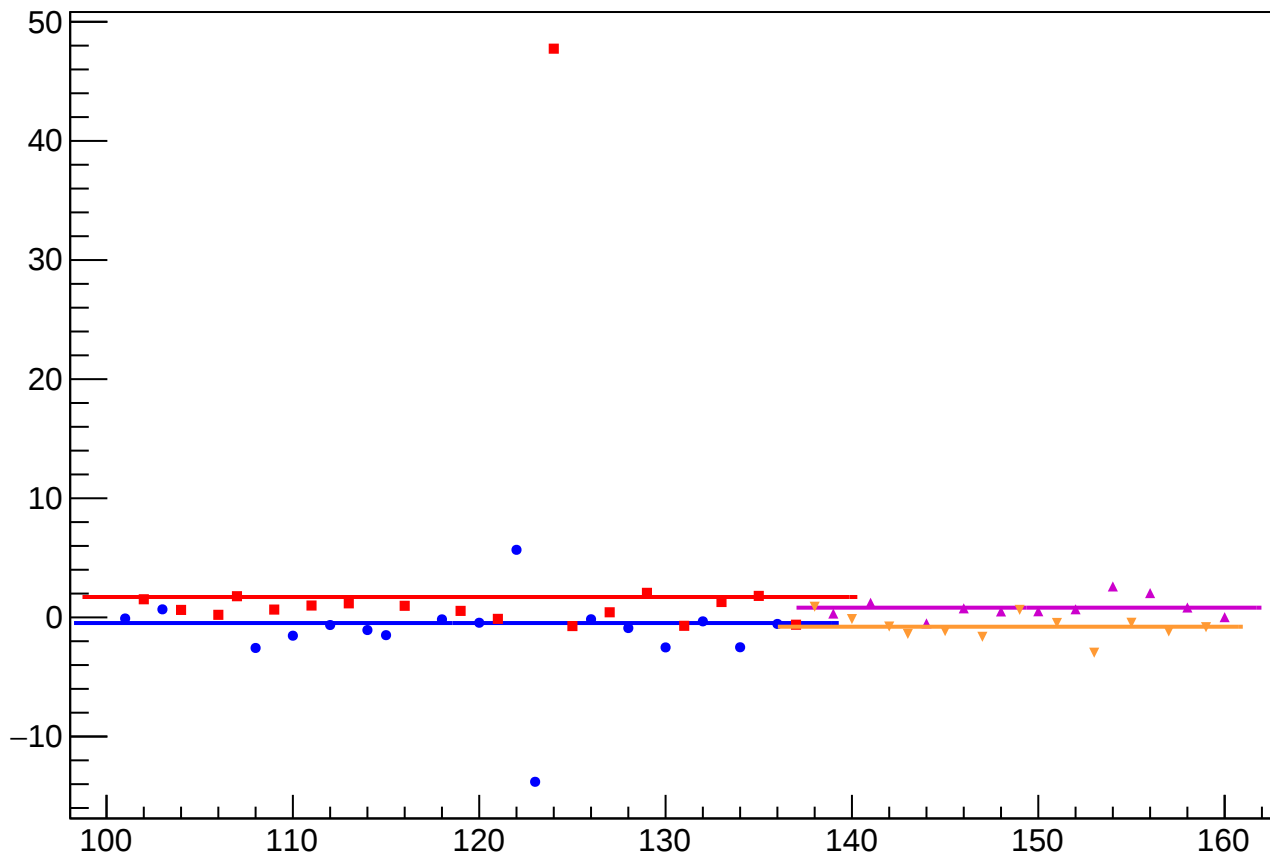
Right In: 4.035 +/- 0.000 χ^2/NDF : 3710399284586297338090254185267200.0/16
 Left Out: 4.057 +/- 0.000 χ^2/NDF : 1601757414873361873208521558851584.0/11
 Right Out: -3.983 +/- 0.000 χ^2/NDF : 2613925353133608323825730446163968.0/17
 Left In: -3.869 +/- 0.000 χ^2/NDF : 127275025204235909562227723665408.0/10
 All: 0.009 +/- 0.000 χ^2/NDF : 60769913153660.0/44

dit_4eX_coil4_Ndata_mean vs Slug, Sign Corrected



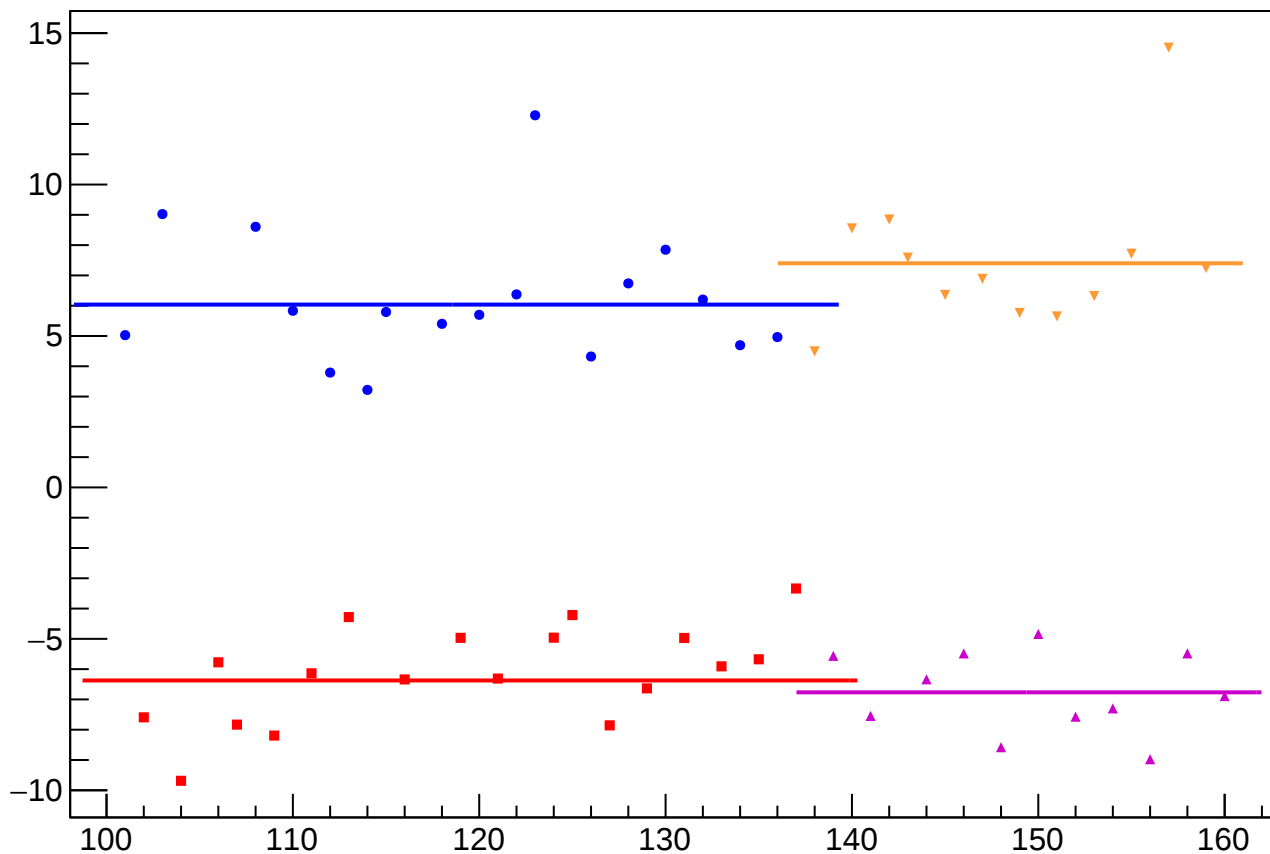
Right In: 1085.186+/-0.000	χ^2/NDF : 44603059371113642027482174752630505472.0/16	Left: -71.638+/-0.000	χ^2/NDF : 2847965876858153
Left Out: 1173.287+/-0.000	χ^2/NDF : 42540290412411971649148526900629471232.0/11	Right: 4.294+/-0.000	χ^2/NDF : 16932734928141311
Right Out: -1044.852+/-0.000	χ^2/NDF : 50845956393664427375382832394046275584.0/17	In: -273.729+/-0.000	χ^2/NDF : 2303517069122456
Left In: -1284.540+/-0.000	χ^2/NDF : 24056417049221053484728394918859374592.0/10	Out: 196.705+/-0.000	χ^2/NDF : 2062457208179950
	All: -38.729+/-0.000	χ^2/NDF : 454584232037	

dit_11X12X_coil4_mean vs Slug, Sign Corrected



Right In: -0.473 ± 0.000 χ^2/NDF : 2898613024888316123890745518063616.0/16
 Left Out: -0.782 ± 0.000 χ^2/NDF : 945280645994518900934494480498688.0/11
 Right Out: 1.712 ± 0.000 χ^2/NDF : 30716645280339484063089556715470848.0/17
 Left In: 0.816 ± 0.000 χ^2/NDF : 662056853644750883685234129240064.0/10
 All: 0.291 ± 0.000 χ^2/NDF : 38376365142967

dit_11X12X_coil4_err_mean vs Slug, Sign Corrected



Right In: 6.036 $\pm$ 0.000

χ^2 /NDF: 1834282168572363767997793128415232.0/16

Left Out: 7.400 $\pm$ 0.000

χ^2 /NDF: 5295448681829047225809354325229568.0/11

Right Out: -6.374 $\pm$ 0.000

χ^2 /NDF: 1775962730889931898255737308053504.0/17

Left In: -6.766 $\pm$ 0.000

χ^2 /NDF: 1543455485673800968010090913202176.0/10

Left: 0.225 $\pm$ 0.000 χ^2 /NDF: 992365681268421828

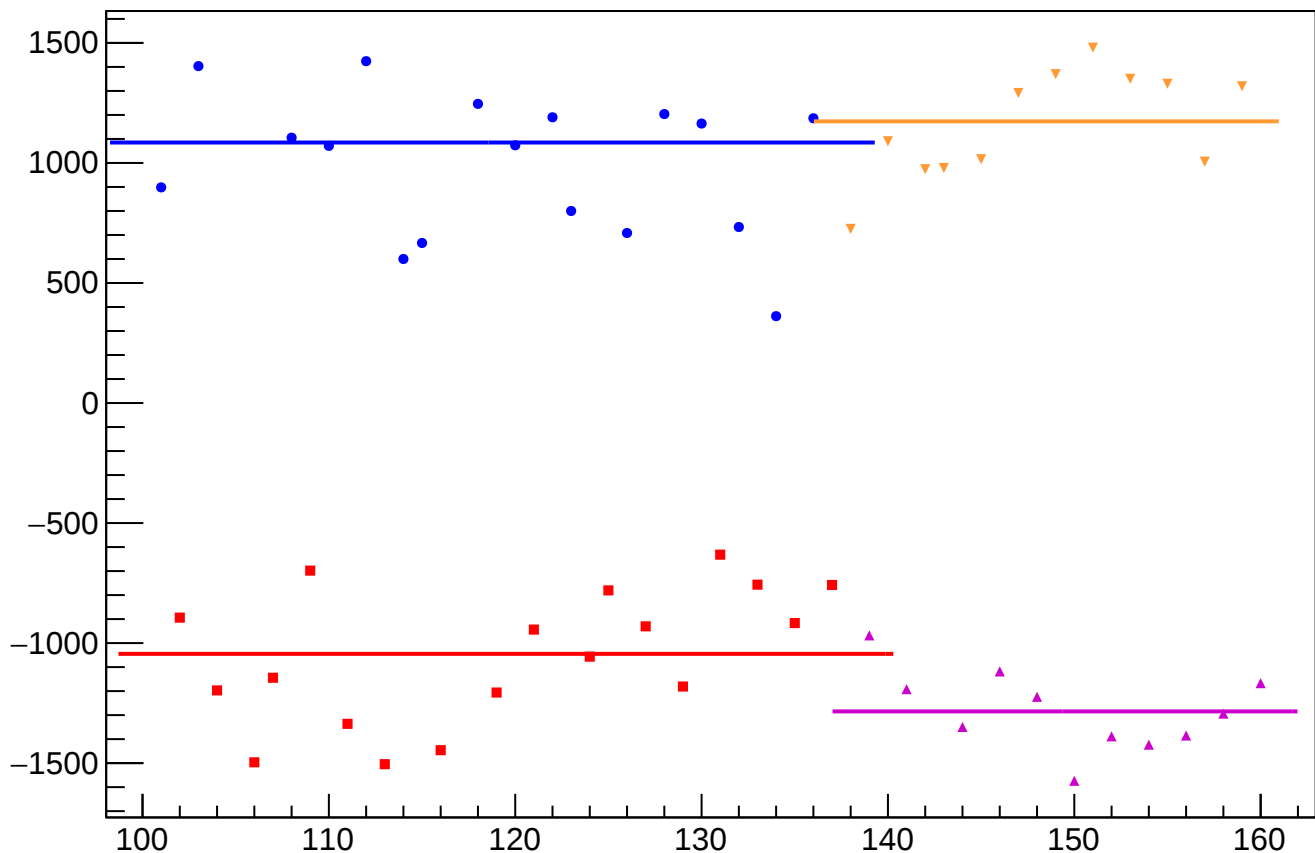
Right: -0.261 $\pm$ 0.000 χ^2 /NDF: 5784895299969528

In: -1.305 $\pm$ 0.000 χ^2 /NDF: 686045511468165147

Out: 1.336 $\pm$ 0.000 χ^2 /NDF: 830007043475067766

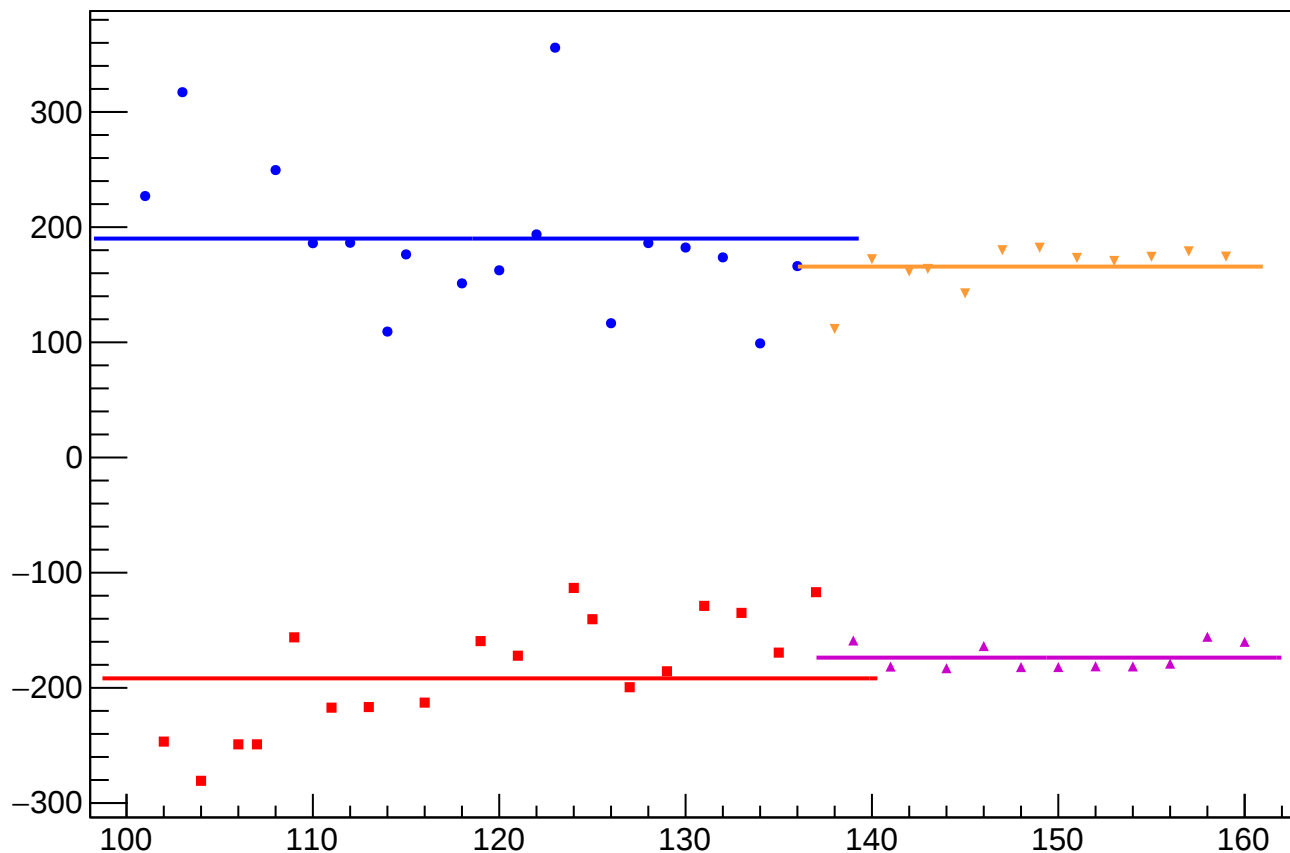
All: 0.014 $\pm$ 0.000 χ^2 /NDF: 15727417011550

dit_11X12X_coil4_Ndata_mean vs Slug, Sign Corrected



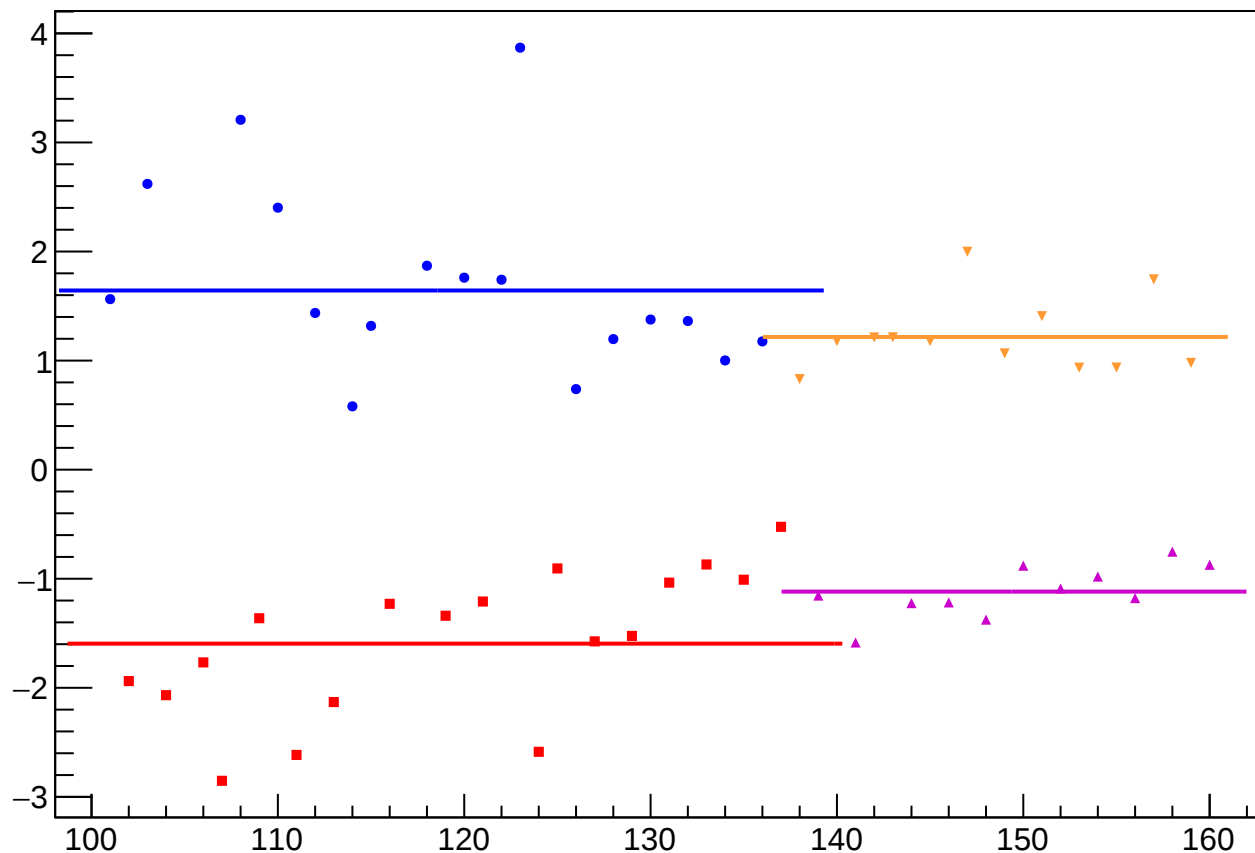
Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_4aY_coil4_mean vs Slug, Sign Corrected



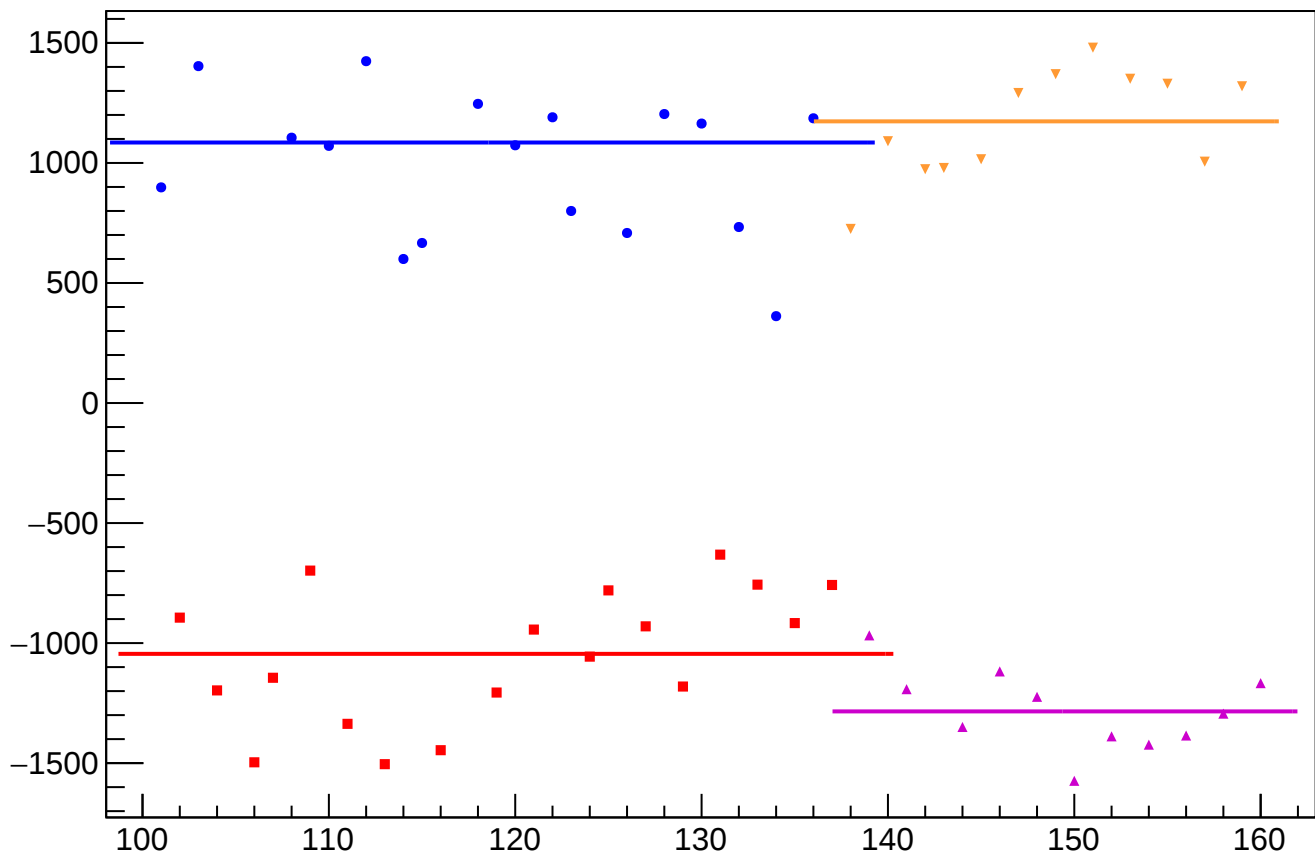
Right In: 190.085 ± 0.000 $\chi^2/\text{NDF}: 1925698803891151227234396073587900416.0/16$
 Left Out: 165.739 ± 0.000 $\chi^2/\text{NDF}: 344682497656901428032567062567059456.0/11$
 Right Out: -191.757 ± 0.000 $\chi^2/\text{NDF}: 1600653754892471682568282524337831936.0/17$
 Left In: -173.752 ± 0.000 $\chi^2/\text{NDF}: 105283442852130720199037078170763264.0/10$
 All: -5.119 ± 0.000 $\chi^2/\text{NDF}: 1083947156669$

dit_4aY_coil4_err_mean vs Slug, Sign Corrected



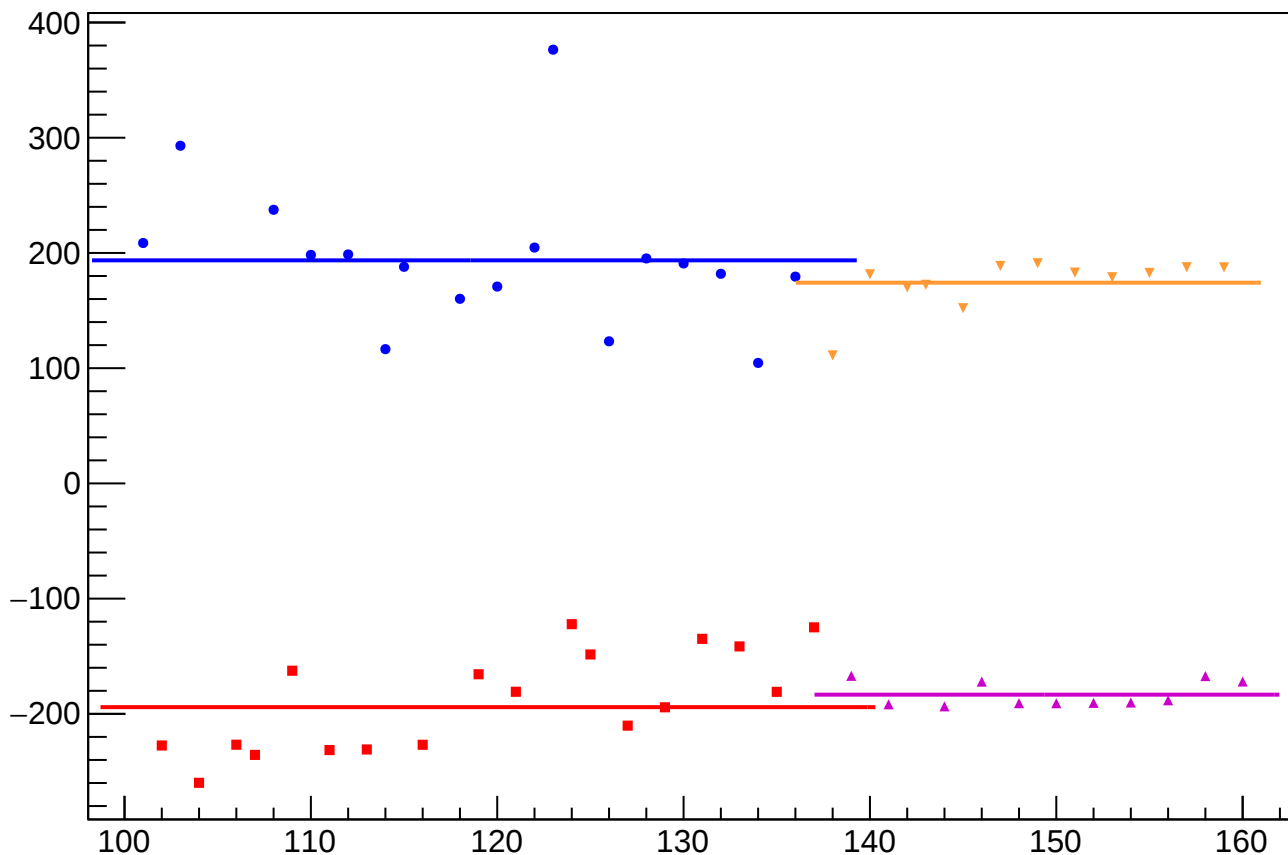
Right In: 1.643 $\pm$ 0.000 χ^2 /NDF: 289253300871261454870716449030144.0/16
 Left Out: 1.217 $\pm$ 0.000 χ^2 /NDF: 102394613447491283246123057152000.0/11
 Right Out: -1.595 $\pm$ 0.000 χ^2 /NDF: 253487865182855947655895326916608.0/17
 Left In: -1.118 $\pm$ 0.000 χ^2 /NDF: 49044430342731068780186328629248.0/10
 All: 0.019 $\pm$ 0.000 χ^2 /NDF: 68970144318089

dit_4aY_coil4_Ndata_mean vs Slug, Sign Corrected



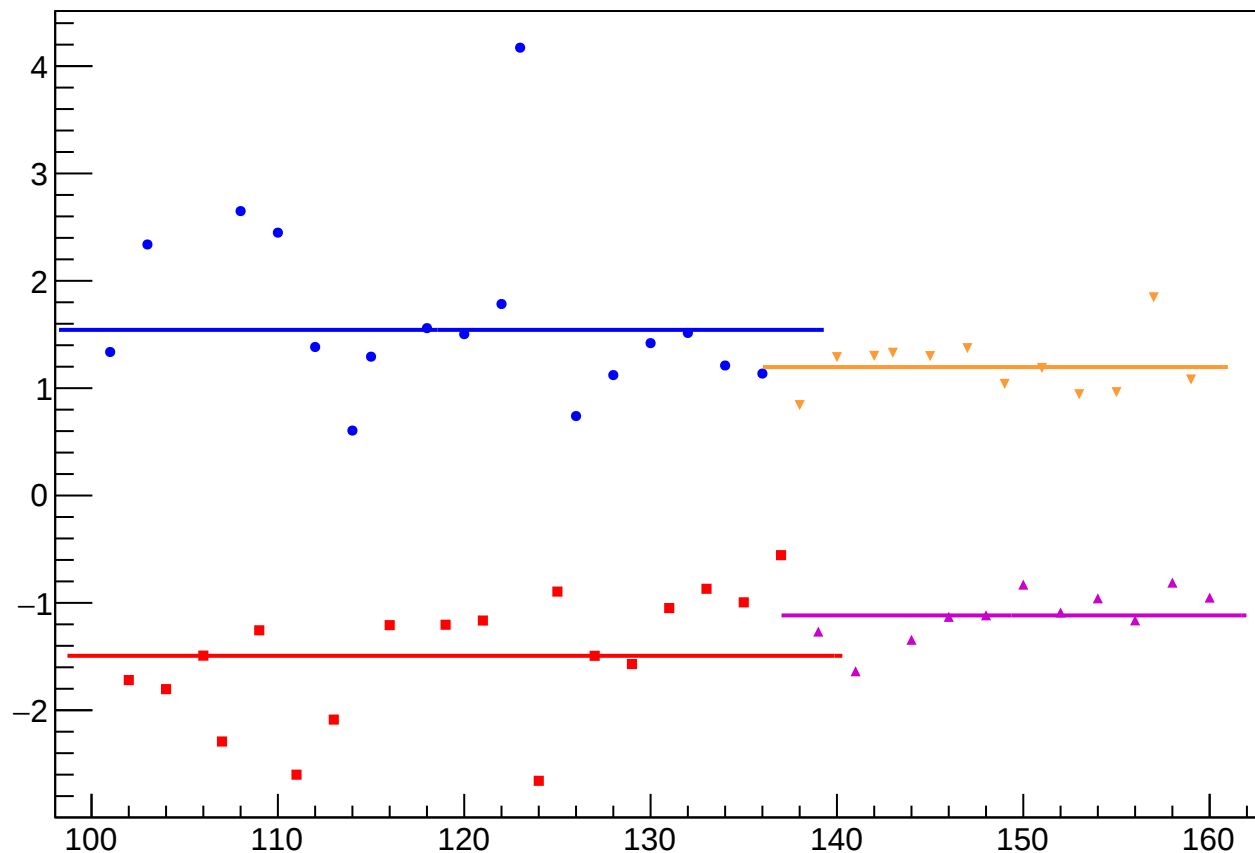
Right In: 1085.186+/-0.000	χ^2/NDF : 44603059371113642027482174752630505472.0/16	Left: -71.638+/-0.000	χ^2/NDF : 2847965876858153
Left Out: 1173.287+/-0.000	χ^2/NDF : 42540290412411971649148526900629471232.0/11	Right: 4.294+/-0.000	χ^2/NDF : 16932734928141311
Right Out: -1044.852+/-0.000	χ^2/NDF : 50845956393664427375382832394046275584.0/17	In: -273.729+/-0.000	χ^2/NDF : 2303517069122456
Left In: -1284.540+/-0.000	χ^2/NDF : 24056417049221053484728394918859374592.0/10	Out: 196.705+/-0.000	χ^2/NDF : 2062457208179950
	All: -38.729+/-0.000	χ^2/NDF : 454584232037	

dit_4eY_coil4_mean vs Slug, Sign Corrected



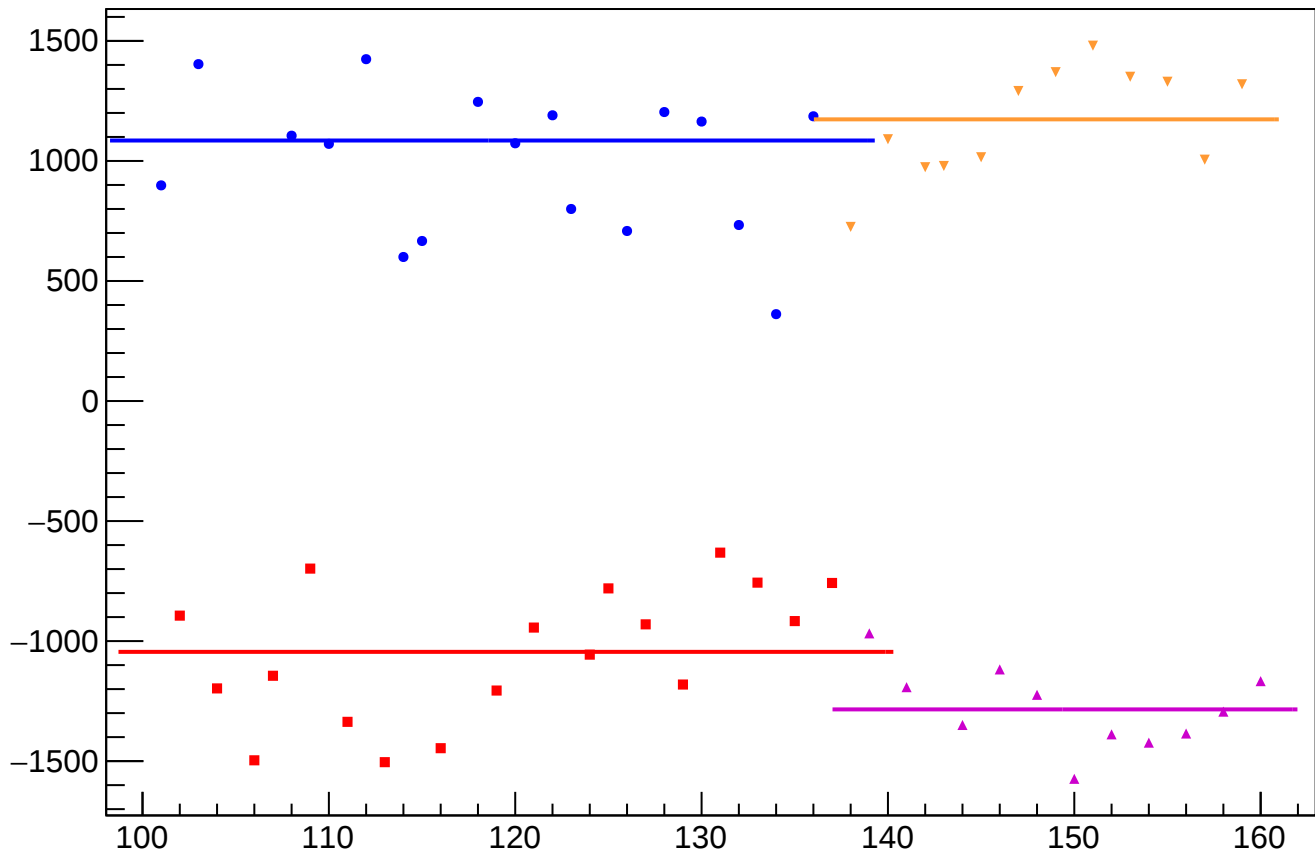
Right In: 193.573 ± 0.000 $\chi^2/\text{NDF}: 1351064334288465855493252395600707584.0/16$
 Left Out: 174.198 ± 0.000 $\chi^2/\text{NDF}: 435157803959110752164132199015120896.0/11$
 Right Out: -194.177 ± 0.000 $\chi^2/\text{NDF}: 1137351144016205804609551236362928128.0/17$
 Left In: -183.338 ± 0.000 $\chi^2/\text{NDF}: 99283390921198074748427132624437248.0/10$
 All: -5.292 ± 0.000 $\chi^2/\text{NDF}: 1148391836793$

dit_4eY_coil4_err_mean vs Slug, Sign Corrected



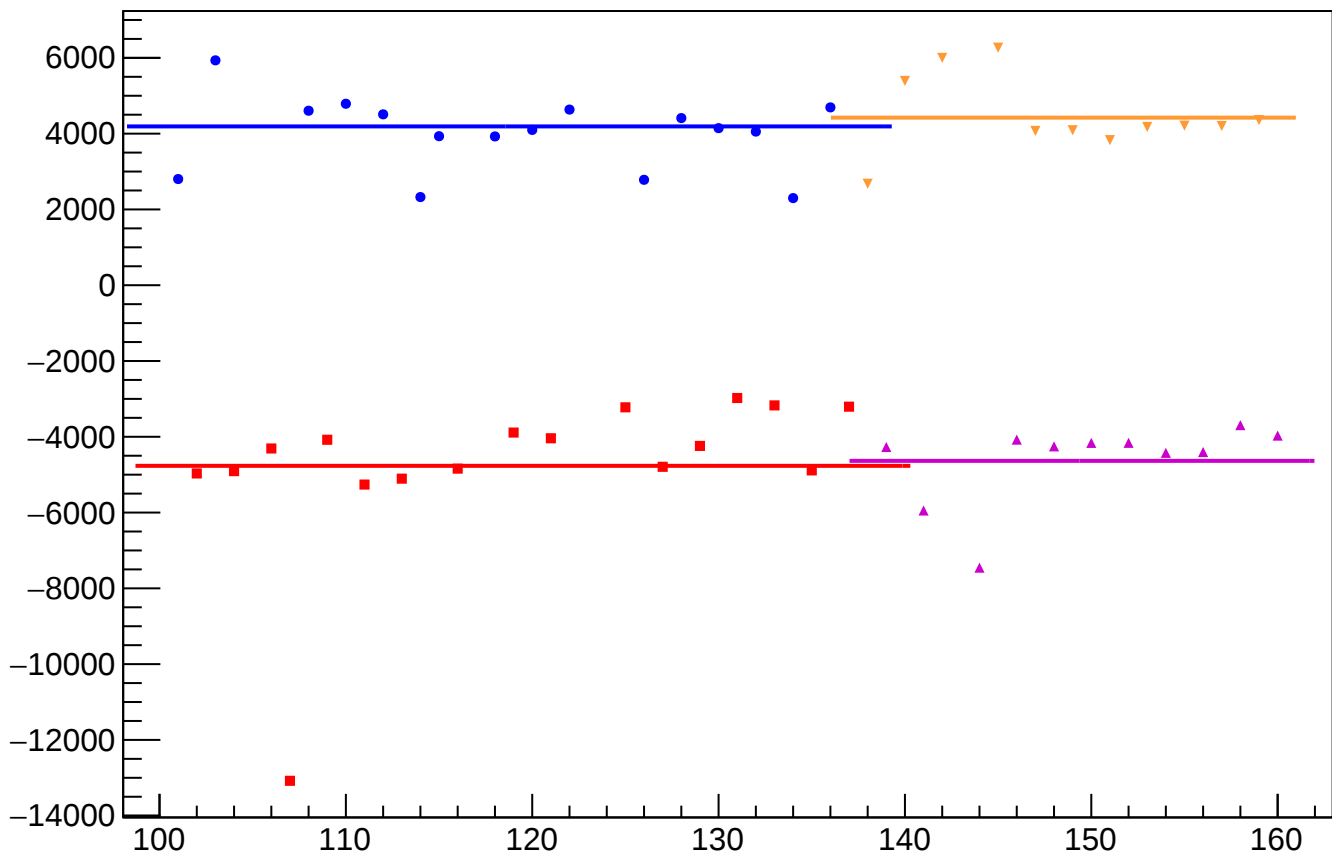
Right In: 1.543+/-0.000 χ^2/NDF : 211470615756148398389395258867712.0/16
 Left Out: 1.197+/-0.000 χ^2/NDF : 59586654303702490446710865657856.0/11
 Right Out: -1.493+/-0.000 χ^2/NDF : 198853919603996729553220305682432.0/17
 Left In: -1.117+/-0.000 χ^2/NDF : 49235563214758682247299927638016.0/10
 All: 0.015+/-0.000 χ^2/NDF : 62302324533540

dit_4eY_coil4_Ndata_mean vs Slug, Sign Corrected



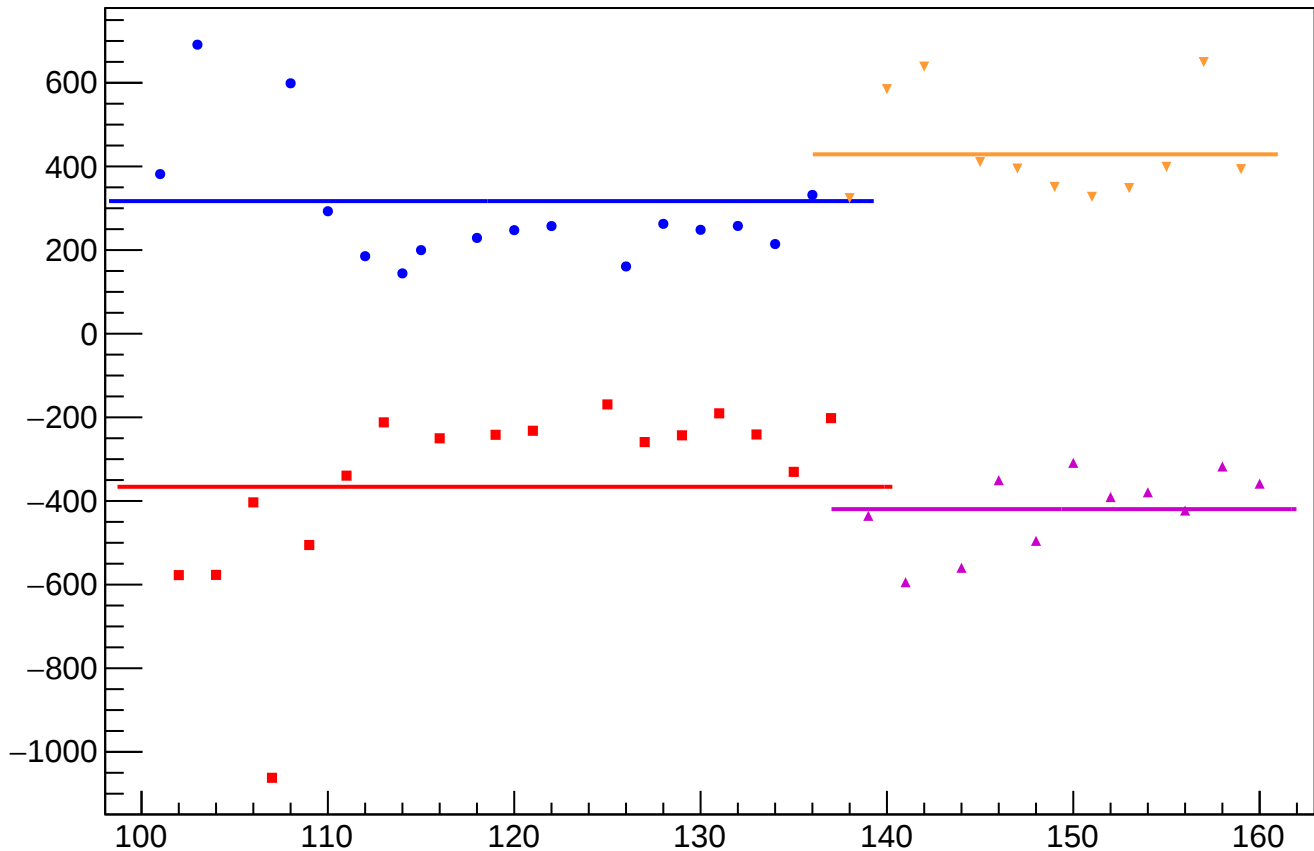
Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_usl_coil4_mean vs Slug, Sign Corrected



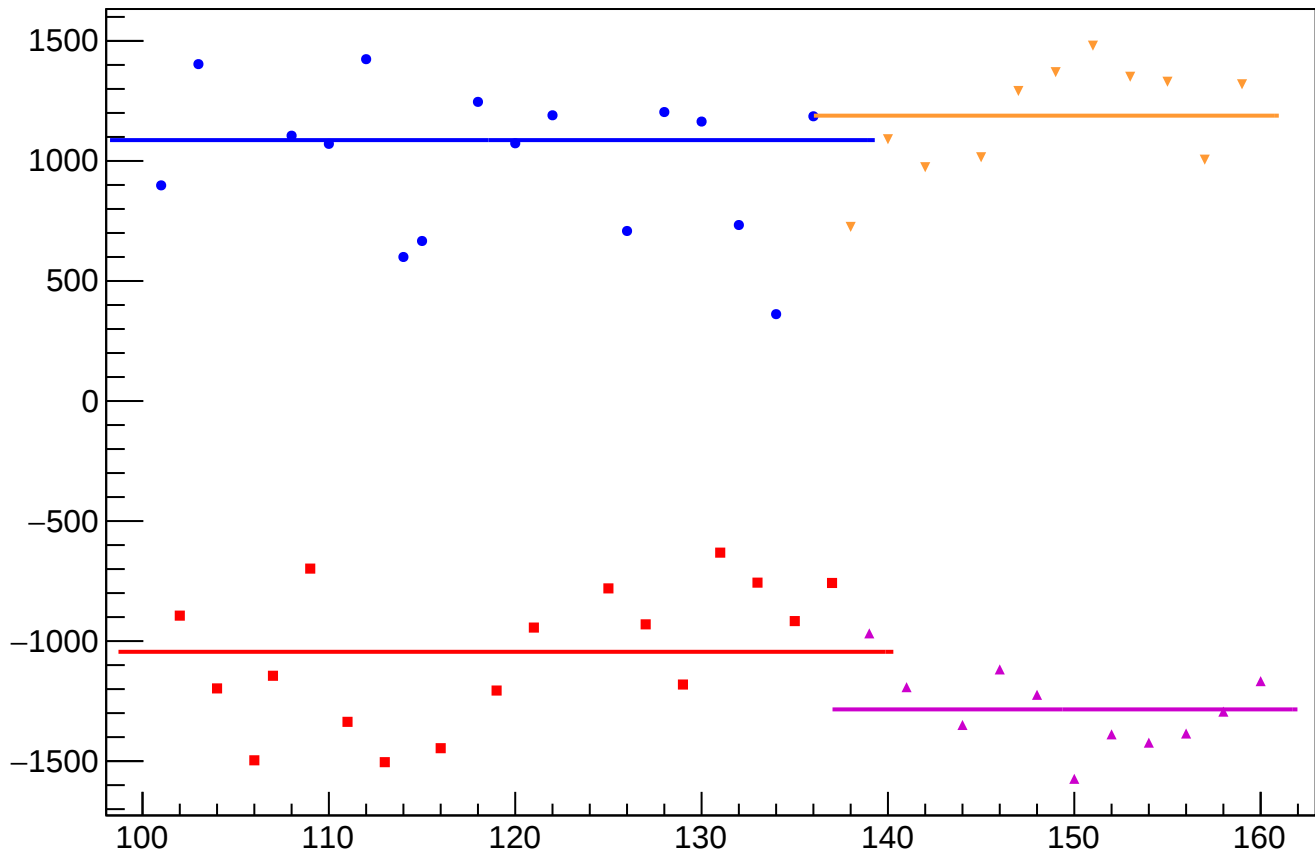
Right In: 4190.973+/-0.000 χ^2/NDF : 554038134535494230935556440305969397760.0/15
 Left Out: 4422.510+/-0.000 χ^2/NDF : 753196682646313209134126931375441313792.0/10
 Right Out: -4766.714+/-0.000 χ^2/NDF : 2969196242721495635889986773908602224640.0/16
 Left In: -4635.509+/-0.000 χ^2/NDF : 1059752939887595758489348119495845085184.0/10
 All: -331.924+/-0.000 χ^2/NDF : 69551117198

dit_usl_coil4_err_mean vs Slug, Sign Corrected



Right In: 317.084 ± 0.000 $\chi^2/\text{NDF}: 15440276359245580191741047920465543168.0/15$
 Left Out: 428.978 ± 0.000 $\chi^2/\text{NDF}: 10626522837529690140021114504579383296.0/10$
 Right Out: -366.053 ± 0.000 $\chi^2/\text{NDF}: 31157973605683459615642144815175434240.0/16$
 Left In: -419.525 ± 0.000 $\chi^2/\text{NDF}: 7733869691626146763225313004956418048.0/10$
 All: -21.488 ± 0.000 $\chi^2/\text{NDF}: 545956988188$

dit_usl_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1086.839+/-0.000

χ^2/NDF : 44275849492978077110615226297834536960.0/15

Left Out: 1188.739+/-0.000

χ^2/NDF : 39812899139477527607362290262896279552.0/10

Right Out: -1044.621+/-0.000

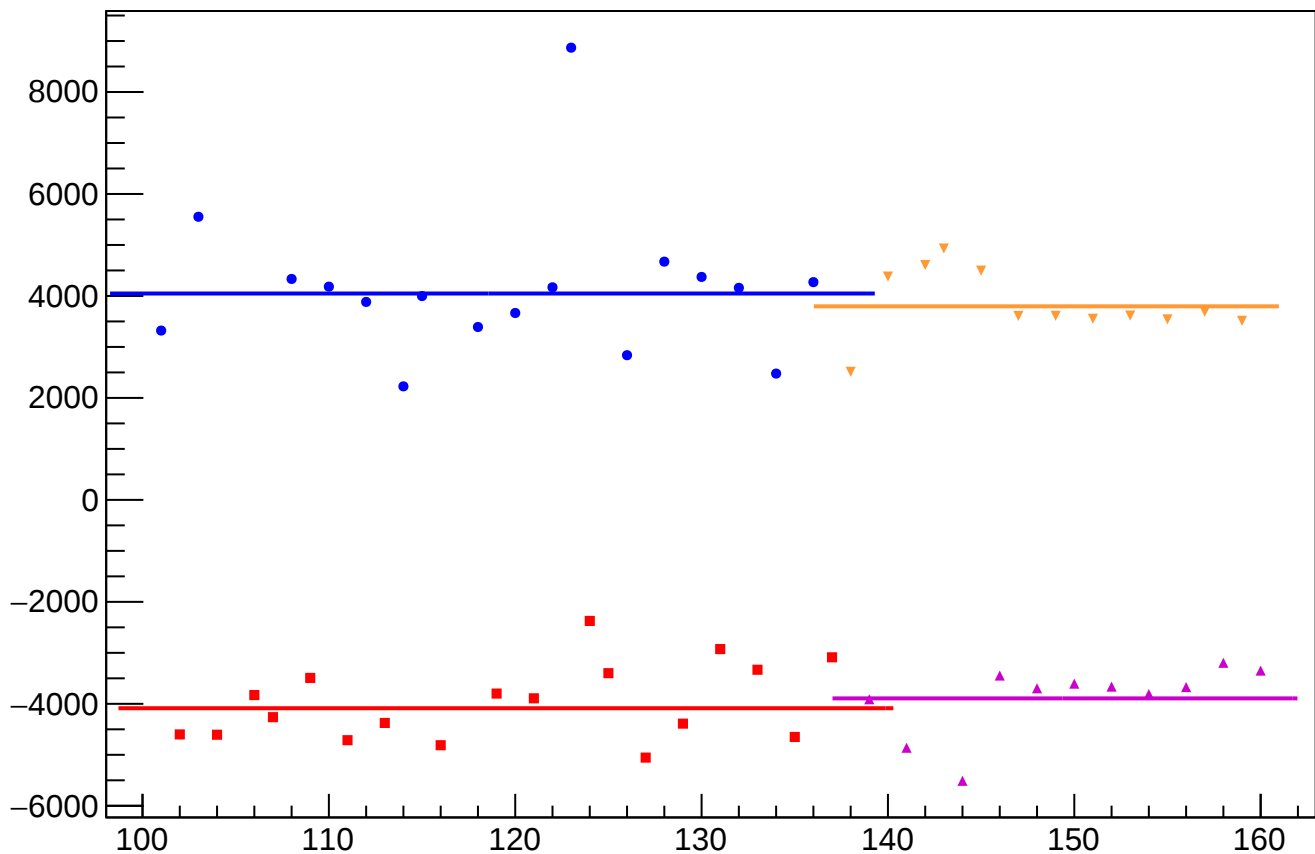
χ^2/NDF : 50844042601115178022623217176499191808.0/16

Left In: -1284.540+/-0.000

χ^2/NDF : 24056417049221053484728394918859374592.0/10

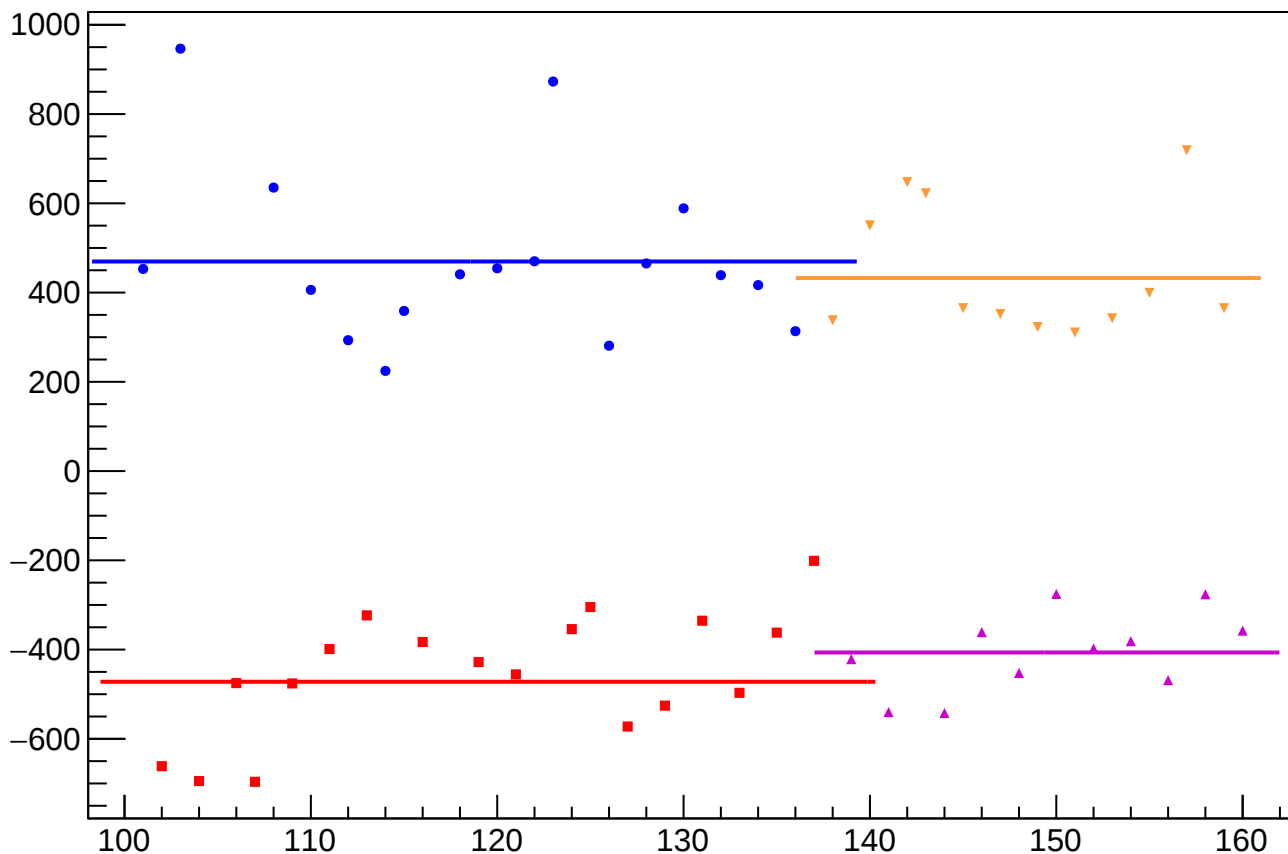
All: -56.828+/-0.000 χ^2/NDF : 445808036834

dit_usr_coil4_mean vs Slug, Sign Corrected



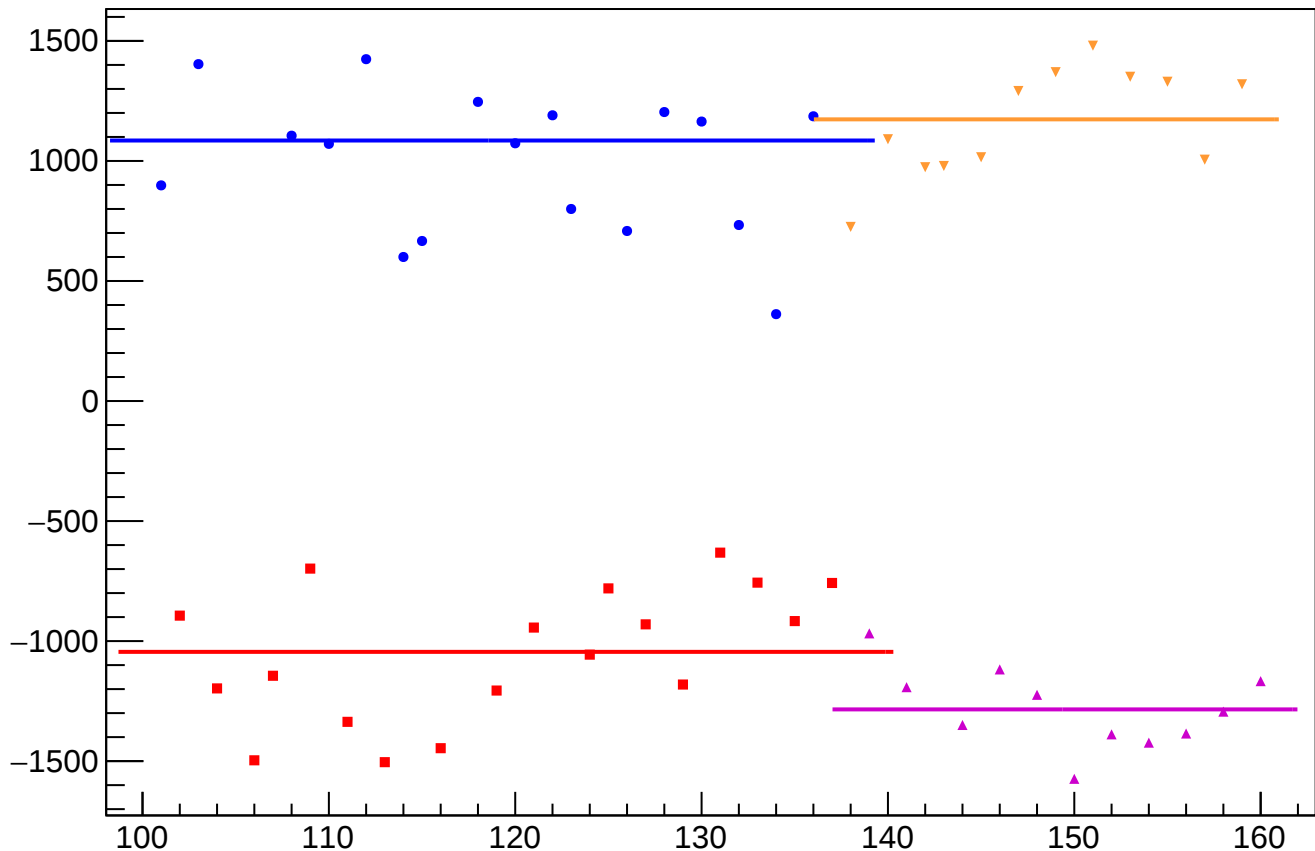
Right In: 4047.777+/-0.000 χ^2/NDF : 474277601546286209707812771687018004480.0/16
 Left Out: 3796.236+/-0.000 χ^2/NDF : 336687829589722132467600550527009554432.0/11
 Right Out: -4086.316+/-0.000 χ^2/NDF : 301982700213825275137563978140215148544.0/17
 Left In: -3893.435+/-0.000 χ^2/NDF : 413166584185760487956391730192104554496.0/10
 All: -90.543+/-0.000 χ^2/NDF : 520525241625

dit_usr_coil4_err_mean vs Slug, Sign Corrected



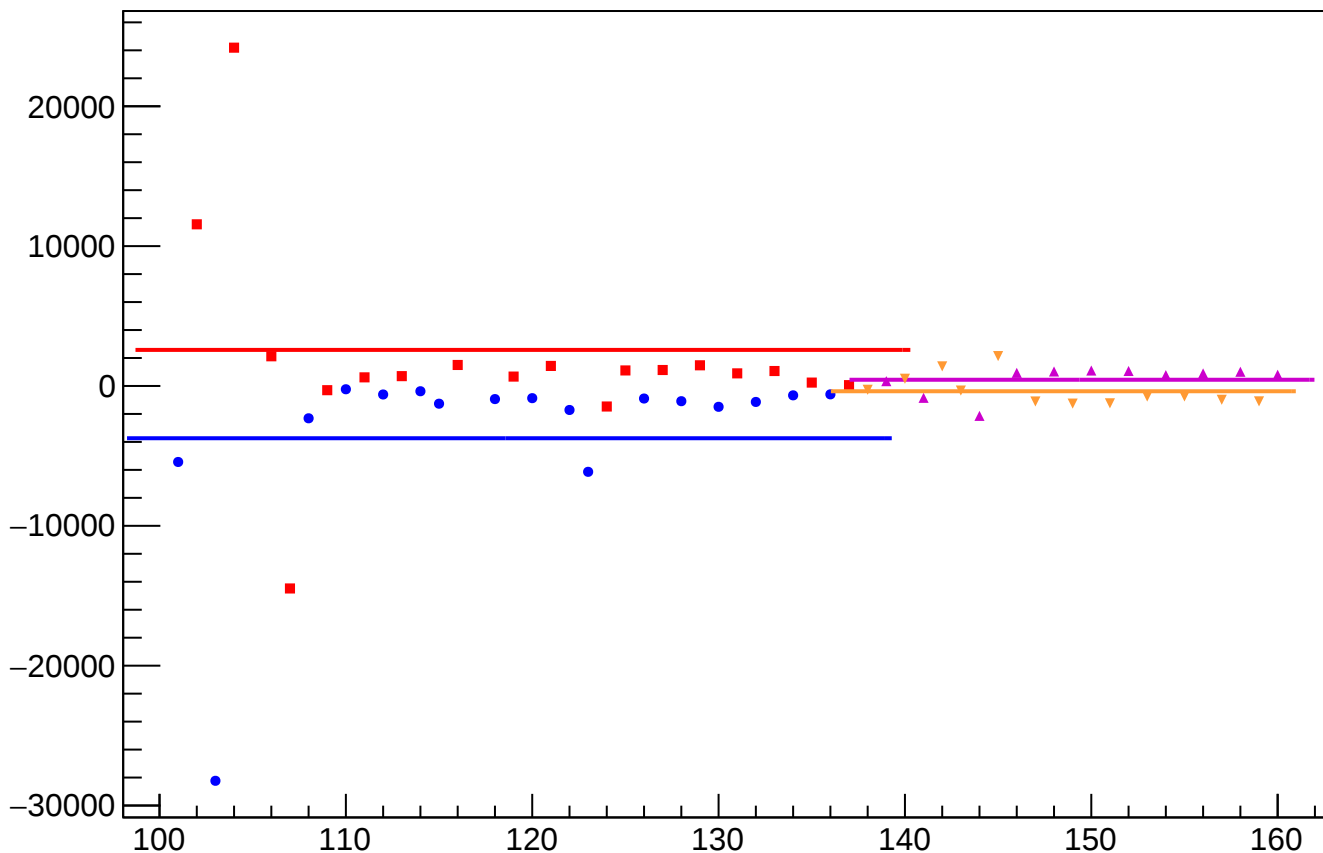
Right In: 469.645 $\pm$ 0.000 χ^2 /NDF: 22201042961896219188176863921652629504.0/16
 Left Out: 432.752 $\pm$ 0.000 χ^2 /NDF: 16613778156502227039812648208749821952.0/11
 Right Out: -472.112 $\pm$ 0.000 χ^2 /NDF: 12398871924669384395849092219212398592.0/17
 Left In: -406.513 $\pm$ 0.000 χ^2 /NDF: 7035979744021755230989165632233144320.0/10
 All: 0.759 $\pm$ 0.000 χ^2 /NDF: 69510091565194

dit_usr_coil4_Ndata_mean vs Slug, Sign Corrected



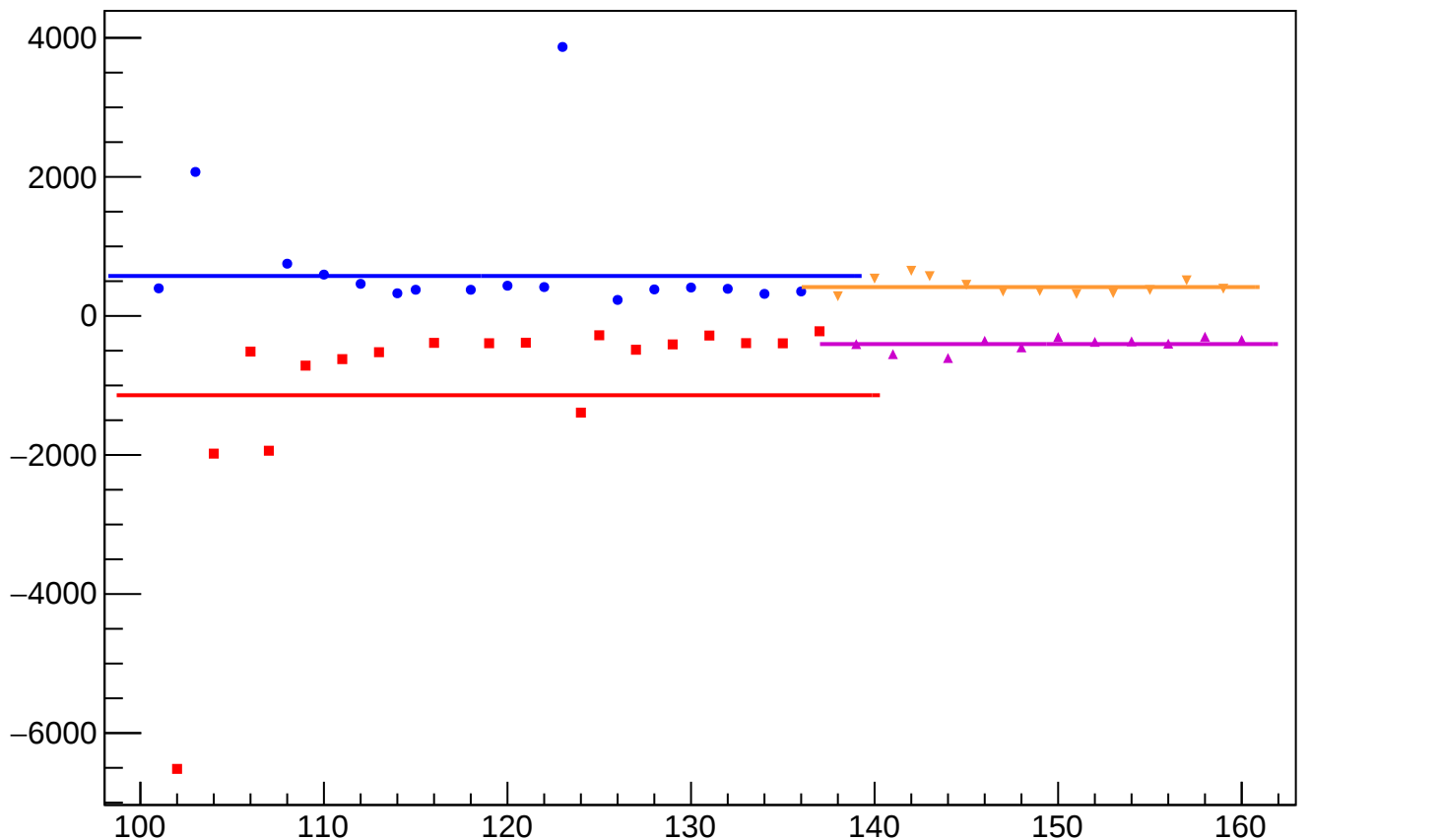
Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_atl1_coil4_mean vs Slug, Sign Corrected



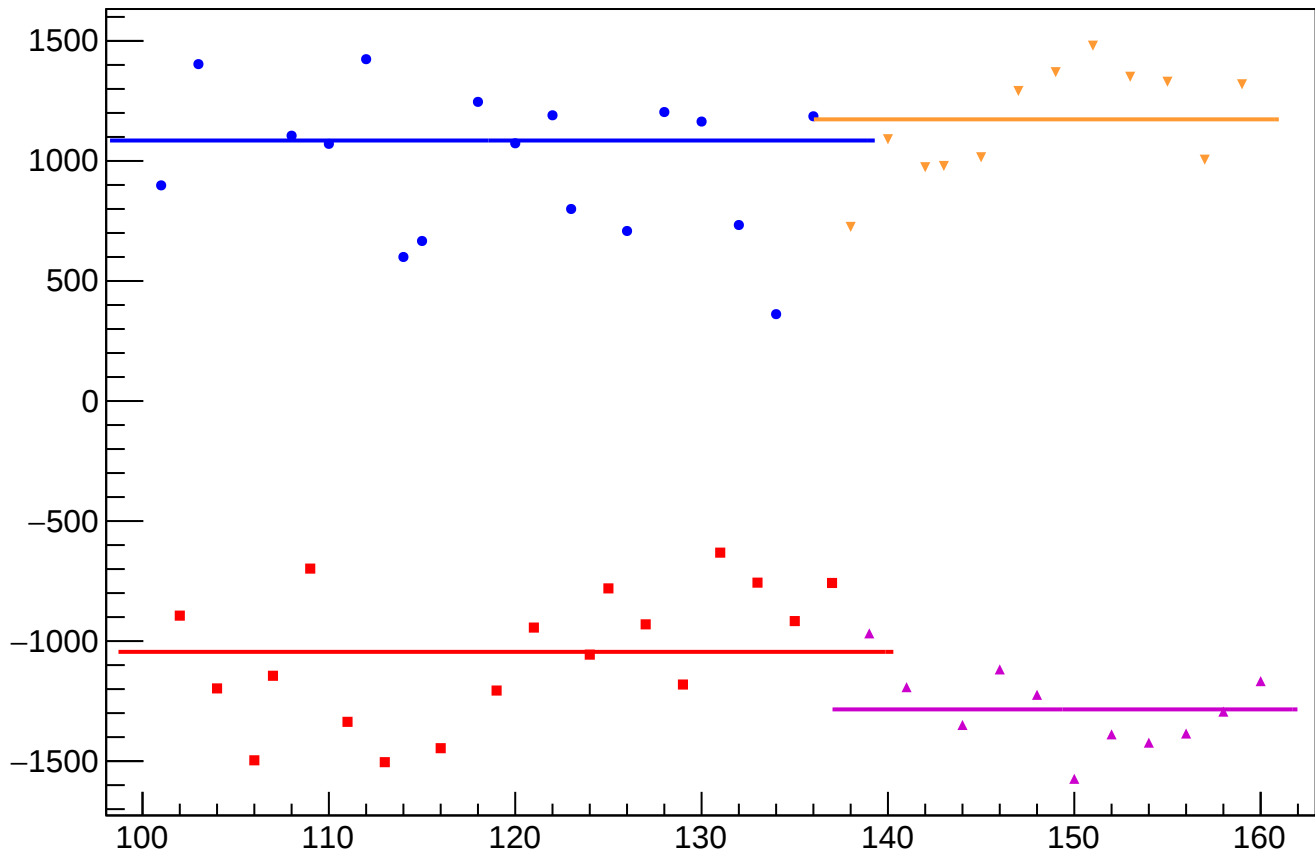
Right In: -3737.261 ± 0.000 $\chi^2/\text{NDF}: 39970682954500817220133496875438988853248.0/16$
 Left Out: -377.495 ± 0.000 $\chi^2/\text{NDF}: 962483060737220205564221178088372830208.0/11$
 Right Out: 2578.788 ± 0.000 $\chi^2/\text{NDF}: 41033783209718443304558448411646302879744.0/17$
 Left In: 444.428 ± 0.000 $\chi^2/\text{NDF}: 923276009049297948790551518127417458688.0/10$
 All: -208.649 ± 0.000 $\chi^2/\text{NDF}: 97510545741$

dit_atl1_coil4_err_mean vs Slug, Sign Corrected



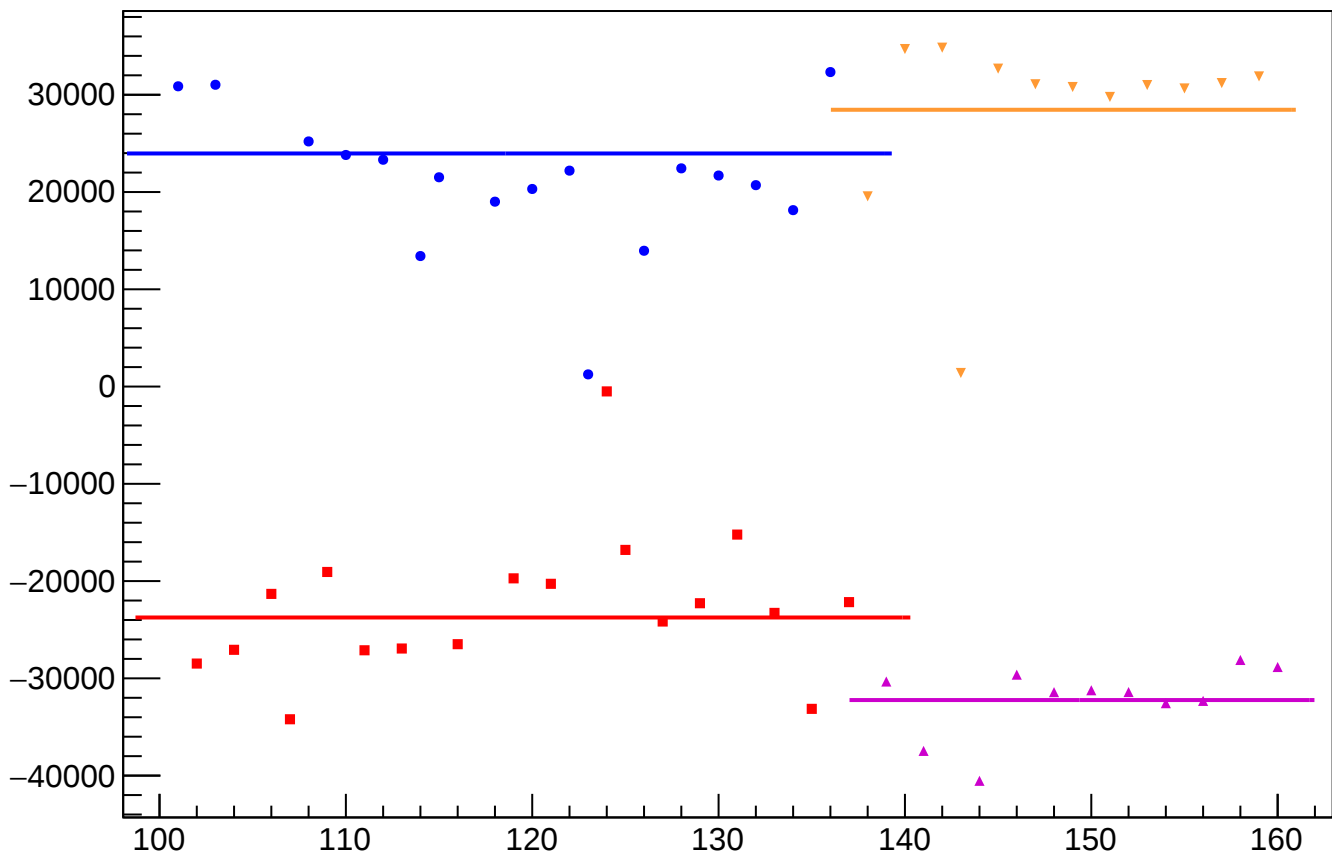
Right In: 574.655+/-0.000 χ^2/NDF : 199698400452439530730016550179978608640.0/16
 Left Out: 415.289+/-0.000 χ^2/NDF : 9749177635603258088647624710302990336.0/11
 Right Out: -1140.608+/-0.000 χ^2/NDF : 2013558101221942862779211693423515926528.0/17
 Left In: -404.849+/-0.000 χ^2/NDF : 8121817838558046042338349225347121152.0/10
 All: -128.253+/-0.000 χ^2/NDF : 36467276883

dit_atl1_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1085.186+/-0.000	χ^2/NDF : 44603059371113642027482174752630505472.0/16	Left: -71.638+/-0.000	χ^2/NDF : 2847965876858153
Left Out: 1173.287+/-0.000	χ^2/NDF : 42540290412411971649148526900629471232.0/11	Right: 4.294+/-0.000	χ^2/NDF : 16932734928141311
Right Out: -1044.852+/-0.000	χ^2/NDF : 50845956393664427375382832394046275584.0/17	In: -273.729+/-0.000	χ^2/NDF : 2303517069122456
Left In: -1284.540+/-0.000	χ^2/NDF : 24056417049221053484728394918859374592.0/10	Out: 196.705+/-0.000	χ^2/NDF : 2062457208179950
	All: -38.729+/-0.000		χ^2/NDF : 454584232037

dit_atl2_coil4_mean vs Slug, Sign Corrected



Right In: 23965.147+/-0.000

χ^2/NDF : 22982900561545593794269983567622080299008.0/16

Left Out: 28458.038+/-0.000

χ^2/NDF : 65276775110198217312307166333227962990592.0/11

Right Out: -23743.519+/-0.000

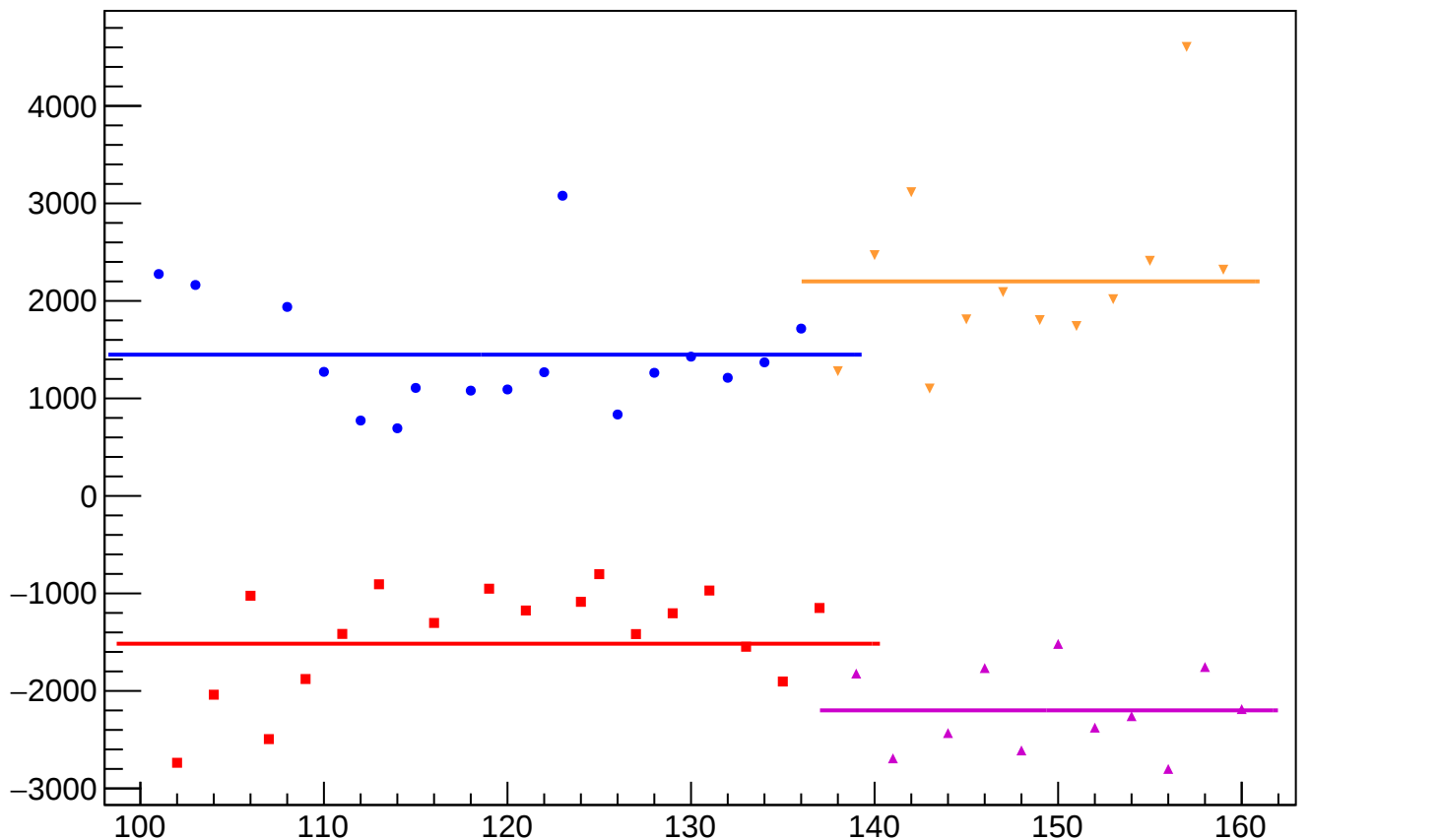
χ^2/NDF : 25937218131071515690144071247519476088832.0/17

Left In: -32231.777+/-0.000

χ^2/NDF : 11867262349376140232643052148473974489088.0/10

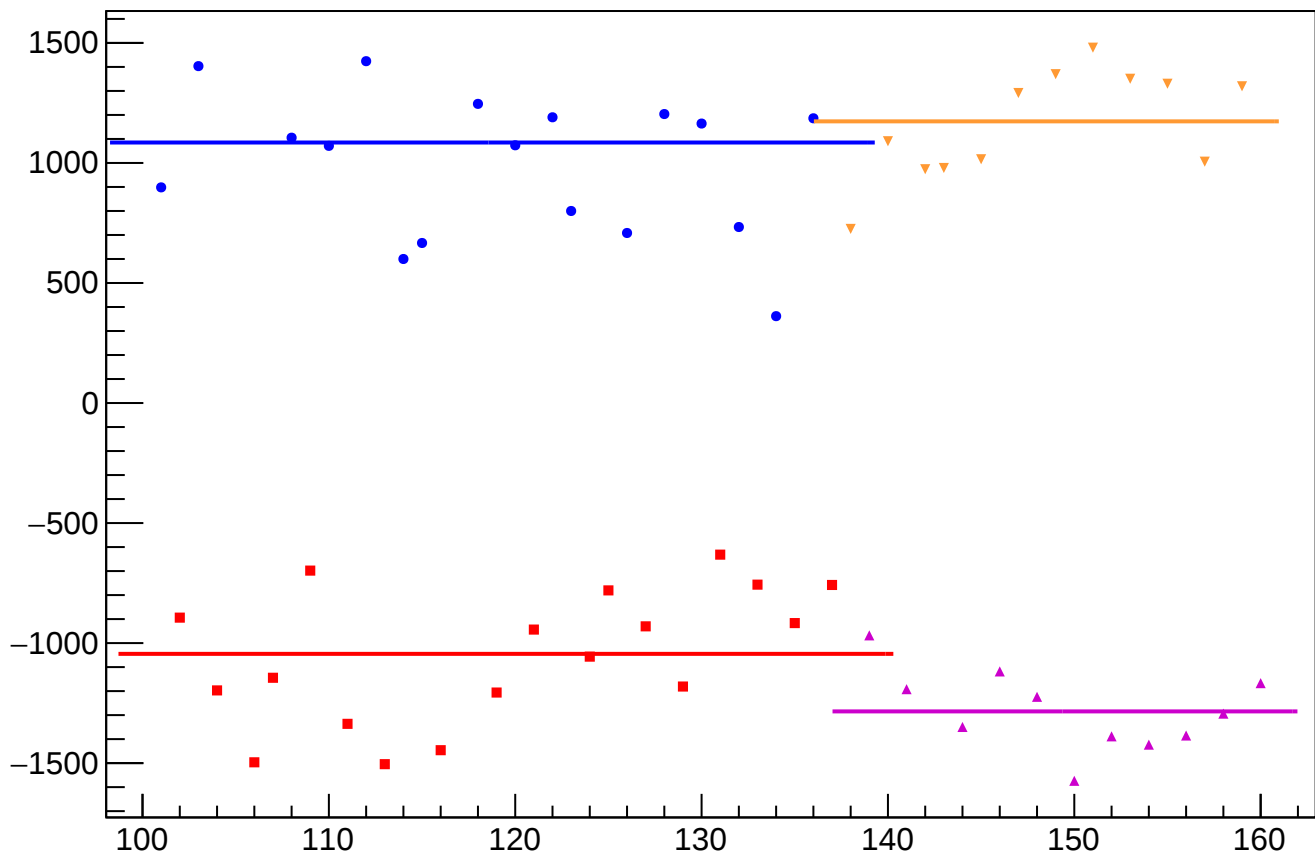
All: -1399.168+/-0.000 χ^2/NDF : 2626812808

dit_atl2_coil4_err_mean vs Slug, Sign Corrected



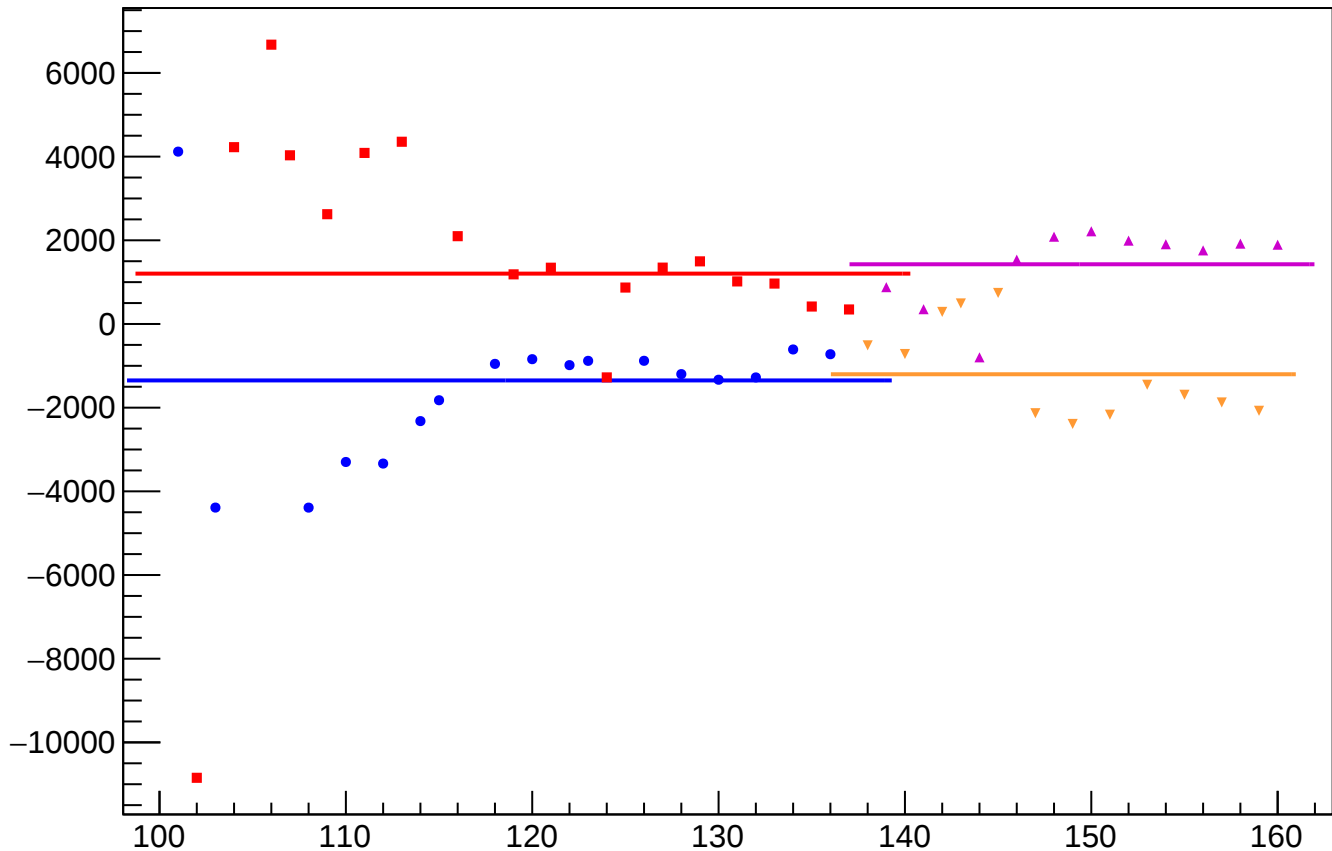
Right In: 1448.784+/-0.000 χ^2/NDF : 161243667372586677805499102921584803840.0/16
 Left Out: 2200.167+/-0.000 χ^2/NDF : 669096191562201912337665879605187182592.0/11
 Right Out: -1515.702+/-0.000 χ^2/NDF : 234412516405982646618467253110689497088.0/17
 Left In: -2199.283+/-0.000 χ^2/NDF : 156934506780582925441007438753813233664.0/10
 All: -40.065+/-0.000 χ^2/NDF : 132287661169

dit_atl2_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1085.186+/-0.000	χ^2/NDF : 44603059371113642027482174752630505472.0/16	Left: -71.638+/-0.000	χ^2/NDF : 2847965876858153
Left Out: 1173.287+/-0.000	χ^2/NDF : 42540290412411971649148526900629471232.0/11	Right: 4.294+/-0.000	χ^2/NDF : 16932734928141311
Right Out: -1044.852+/-0.000	χ^2/NDF : 50845956393664427375382832394046275584.0/17	In: -273.729+/-0.000	χ^2/NDF : 2303517069122456
Left In: -1284.540+/-0.000	χ^2/NDF : 24056417049221053484728394918859374592.0/10	Out: 196.705+/-0.000	χ^2/NDF : 2062457208179950
	All: -38.729+/-0.000		χ^2/NDF : 454584232037

dit_atr1_coil4_mean vs Slug, Sign Corrected



Right In: -1349.176+/-0.000

Left Out: -1201.551+/-0.000

Right Out: 1203.612+/-0.000

Left In: 1427.044+/-0.000

χ^2/NDF : 3084941184045918680057306663363310256128.0/16

χ^2/NDF : 1022278799851765665232545195889702993920.0/11

χ^2/NDF : 11193438968454164485978999260490441424896.0/17

χ^2/NDF : 751413830478220555131206140402736300032.0/10

Left: 129.871+/-0.000 χ^2/NDF : 4954983265052940

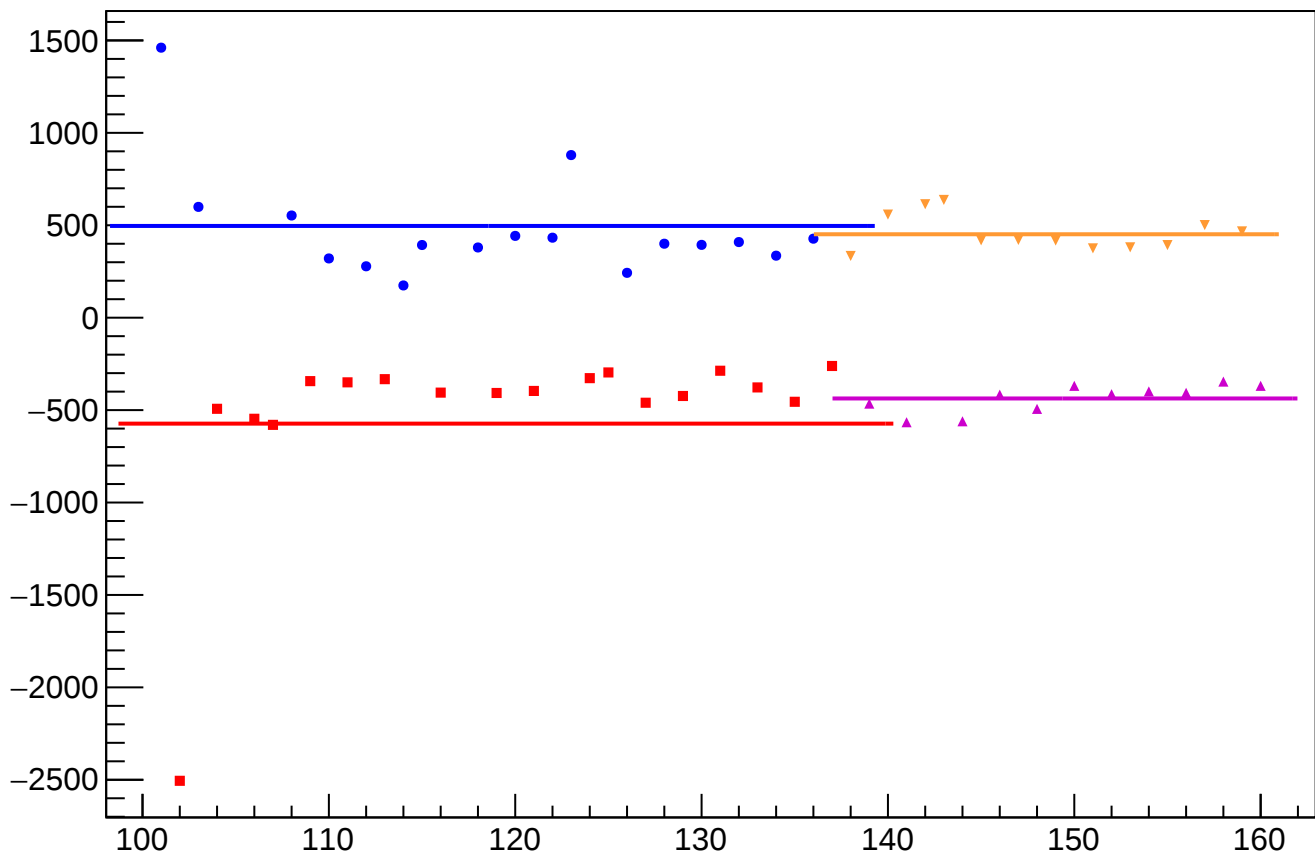
Right: -53.758+/-0.000 χ^2/NDF : 165733864830032

In: 242.842+/-0.000 χ^2/NDF : 6903689749274373

Out: -142.628+/-0.000 χ^2/NDF : 145308353732045

All: 50.285+/-0.000 χ^2/NDF : 2155528916181

dit_atr1_coil4_err_mean vs Slug, Sign Corrected



Right In: 496.351+/-0.000

χ^2/NDF : 66983748455015205041159290240142147584.0/16

Left Out: 451.374+/-0.000

χ^2/NDF : 7134946740505986037701205636285464576.0/11

Right Out: -573.168+/-0.000

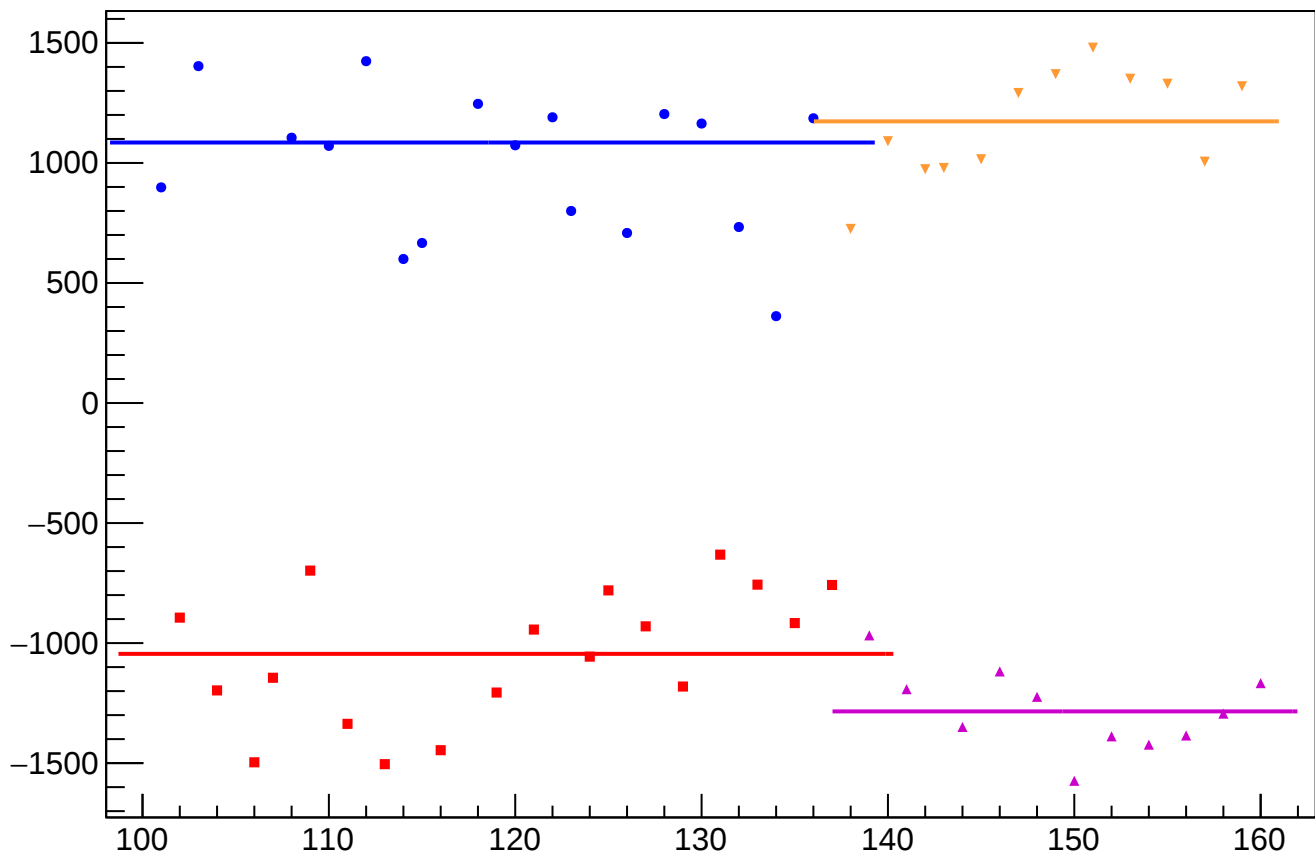
χ^2/NDF : 240073229917698868720276393416726675456.0/17

Left In: -437.047+/-0.000

χ^2/NDF : 4864659833143539285467190686845501440.0/10

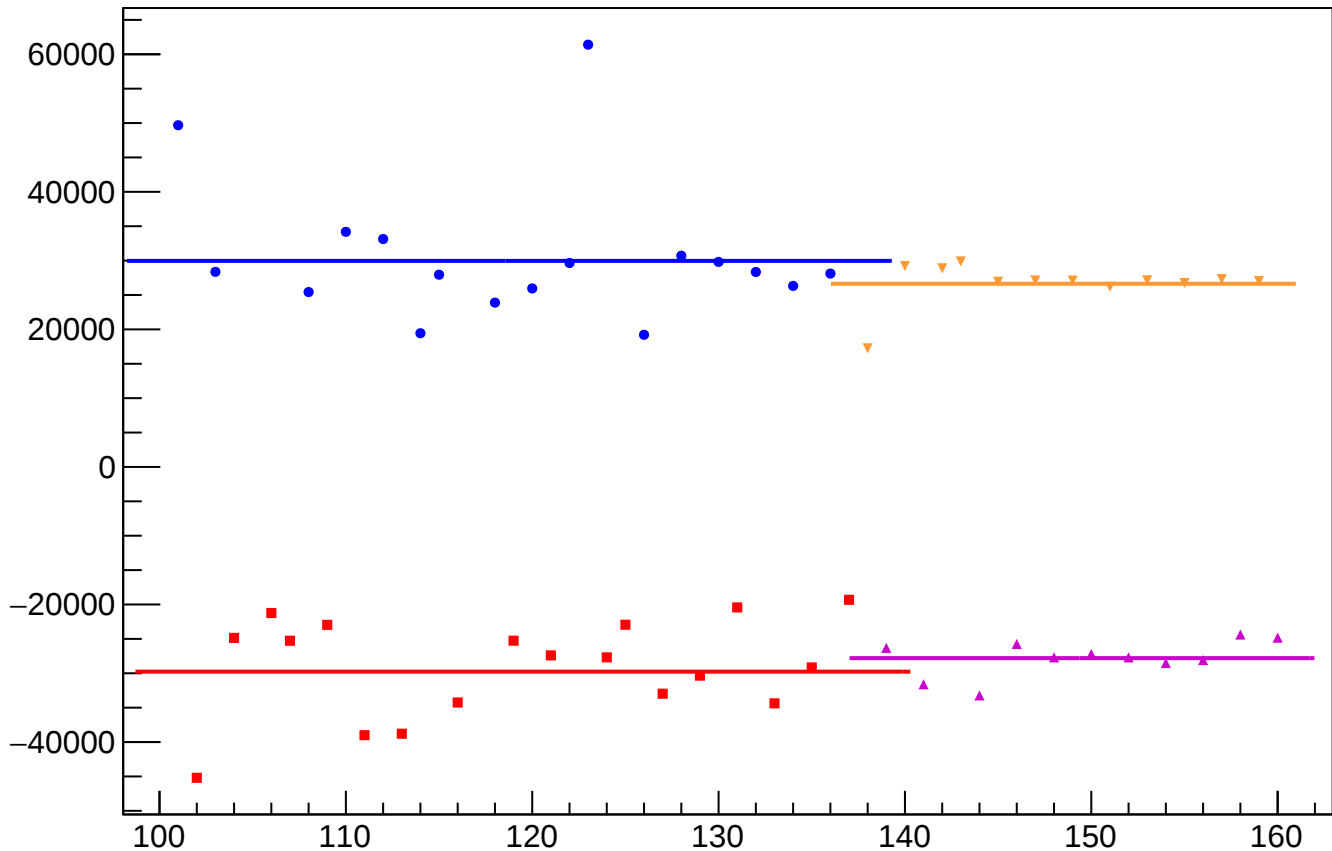
All: -19.321+/-0.000 χ^2/NDF : 108712362073

dit_atr1_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1085.186+/-0.000	χ^2/NDF : 44603059371113642027482174752630505472.0/16	Left: -71.638+/-0.000	χ^2/NDF : 2847965876858153
Left Out: 1173.287+/-0.000	χ^2/NDF : 42540290412411971649148526900629471232.0/11	Right: 4.294+/-0.000	χ^2/NDF : 16932734928141311
Right Out: -1044.852+/-0.000	χ^2/NDF : 50845956393664427375382832394046275584.0/17	In: -273.729+/-0.000	χ^2/NDF : 2303517069122456
Left In: -1284.540+/-0.000	χ^2/NDF : 24056417049221053484728394918859374592.0/10	Out: 196.705+/-0.000	χ^2/NDF : 2062457208179950
	All: -38.729+/-0.000		χ^2/NDF : 454584232037

dit_atr2_coil4_mean vs Slug, Sign Corrected



Right In: 29960.563+/-0.000

χ^2/NDF : 38272709086570322906485359352807285587968.0/16

Left Out: 26632.417+/-0.000

χ^2/NDF : 8490243568880868958289706883488159891456.0/11

Right Out: -29764.245+/-0.000

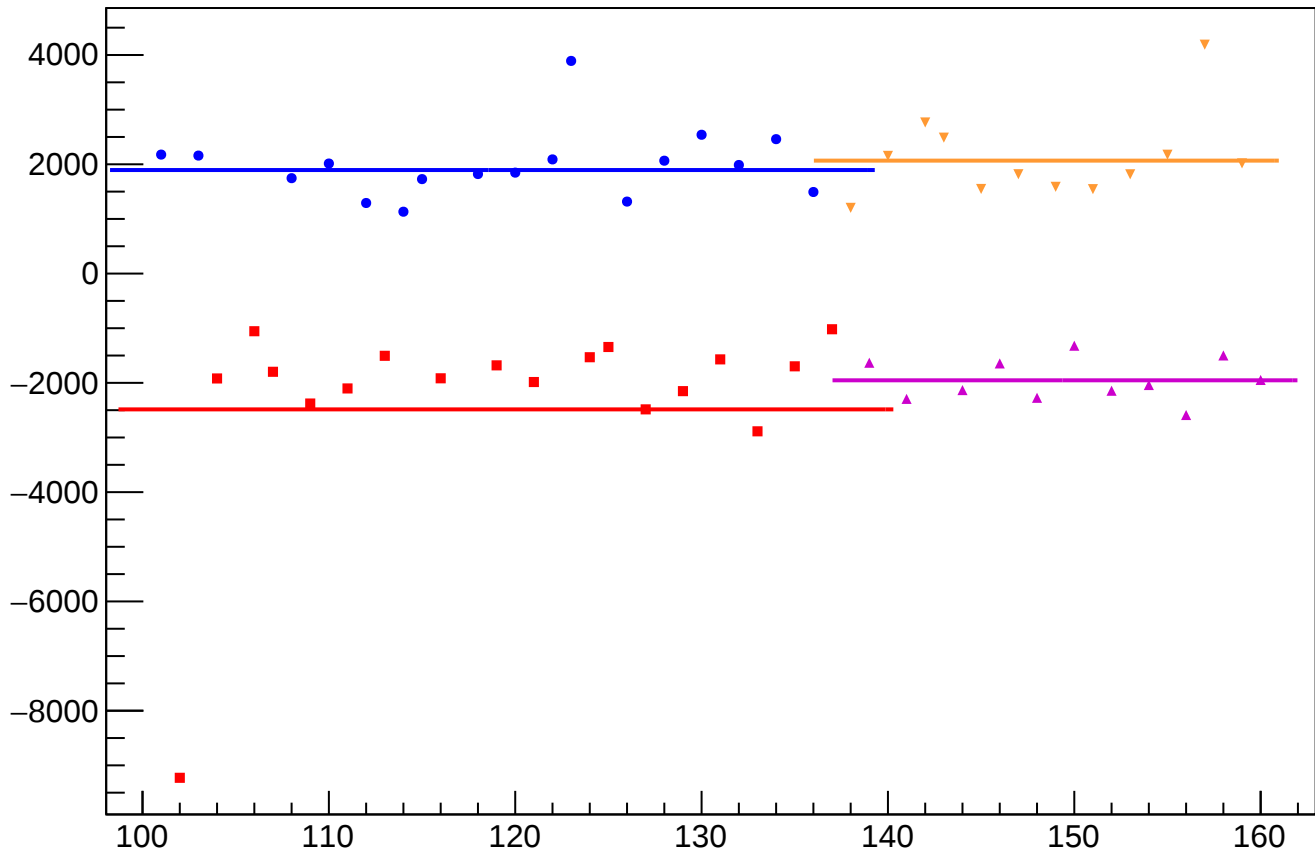
χ^2/NDF : 38095124017741211444799459233695721848832.0/17

Left In: -27798.105+/-0.000

χ^2/NDF : 6158980585091942758745963697527175774208.0/10

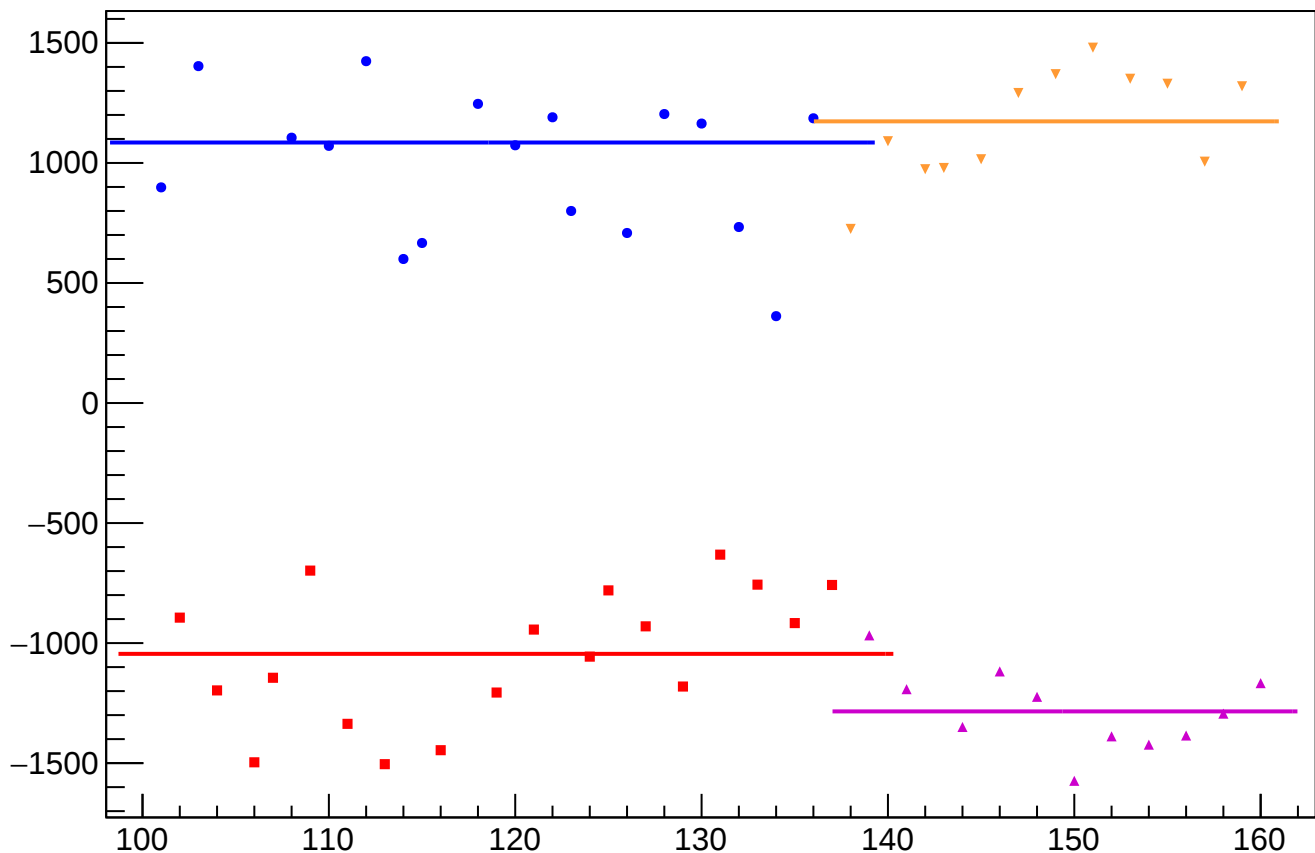
All: -681.504+/-0.000 χ^2/NDF : 27115939878

dit_atr2_coil4_err_mean vs Slug, Sign Corrected



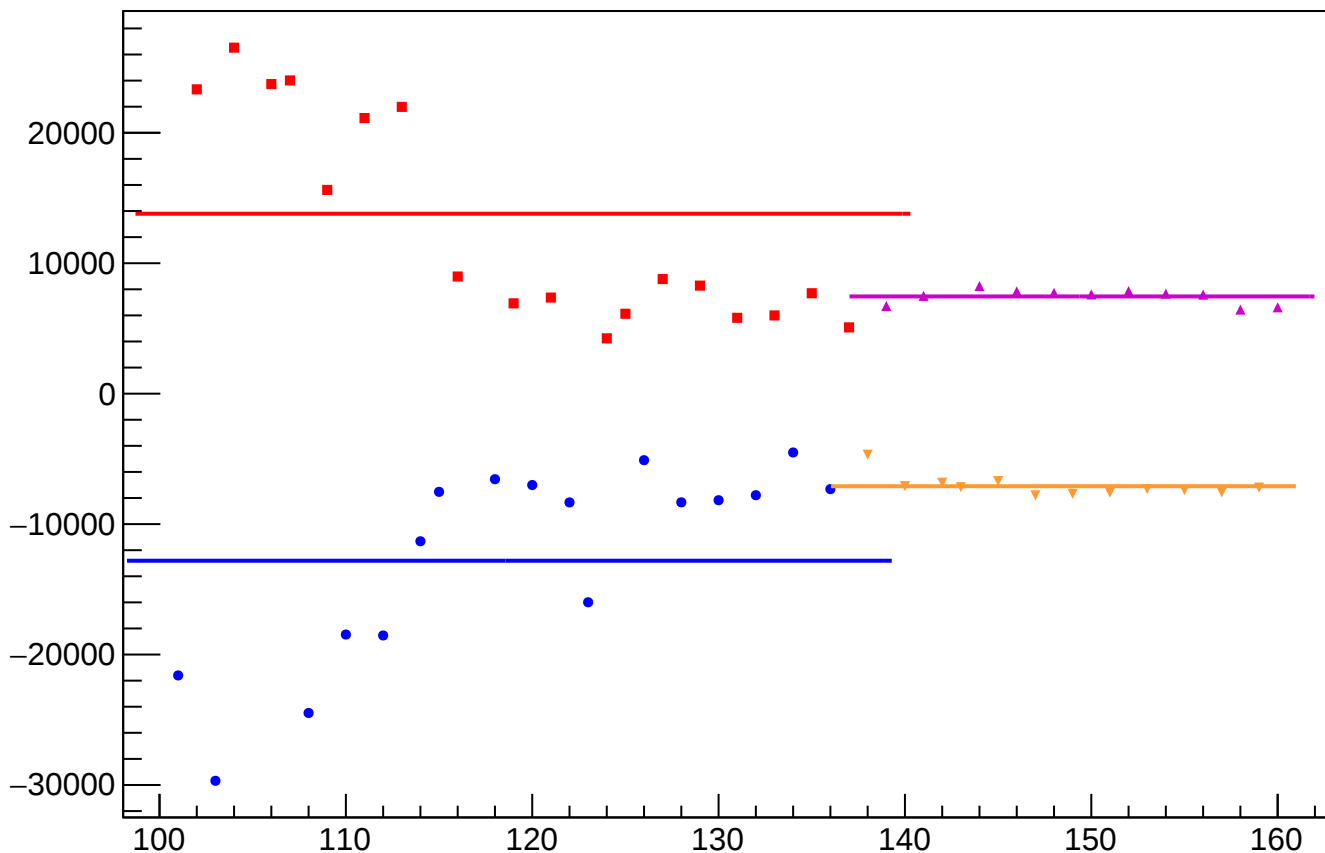
Right In: 1894.762 $\pm$ 0.000 χ^2 /NDF: 112136505207273757562412234872415322112.0/16
 Left Out: 2067.096 $\pm$ 0.000 χ^2 /NDF: 498951714500530031712915611537190682624.0/11
 Right Out: -2485.438 $\pm$ 0.000 χ^2 /NDF: 3007798896738182941908815432963258843136.0/17
 Left In: -1953.340 $\pm$ 0.000 χ^2 /NDF: 126893636747608035073836069635988914176.0/10
 All: -124.761 $\pm$ 0.000 χ^2 /NDF: 18047516215

dit_atr2_coil4_Ndata_mean vs Slug, Sign Corrected



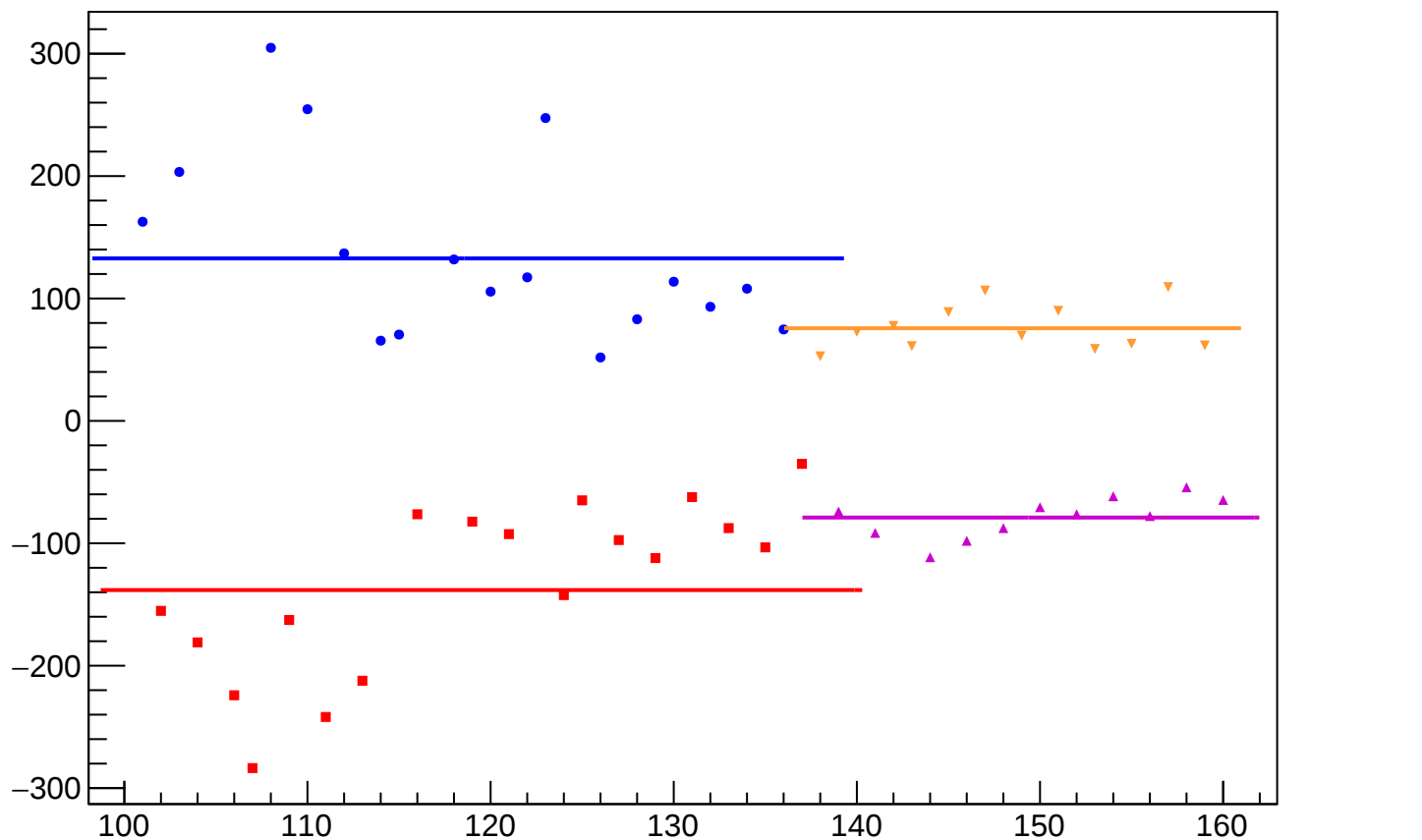
Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_sam1_coil4_mean vs Slug, Sign Corrected



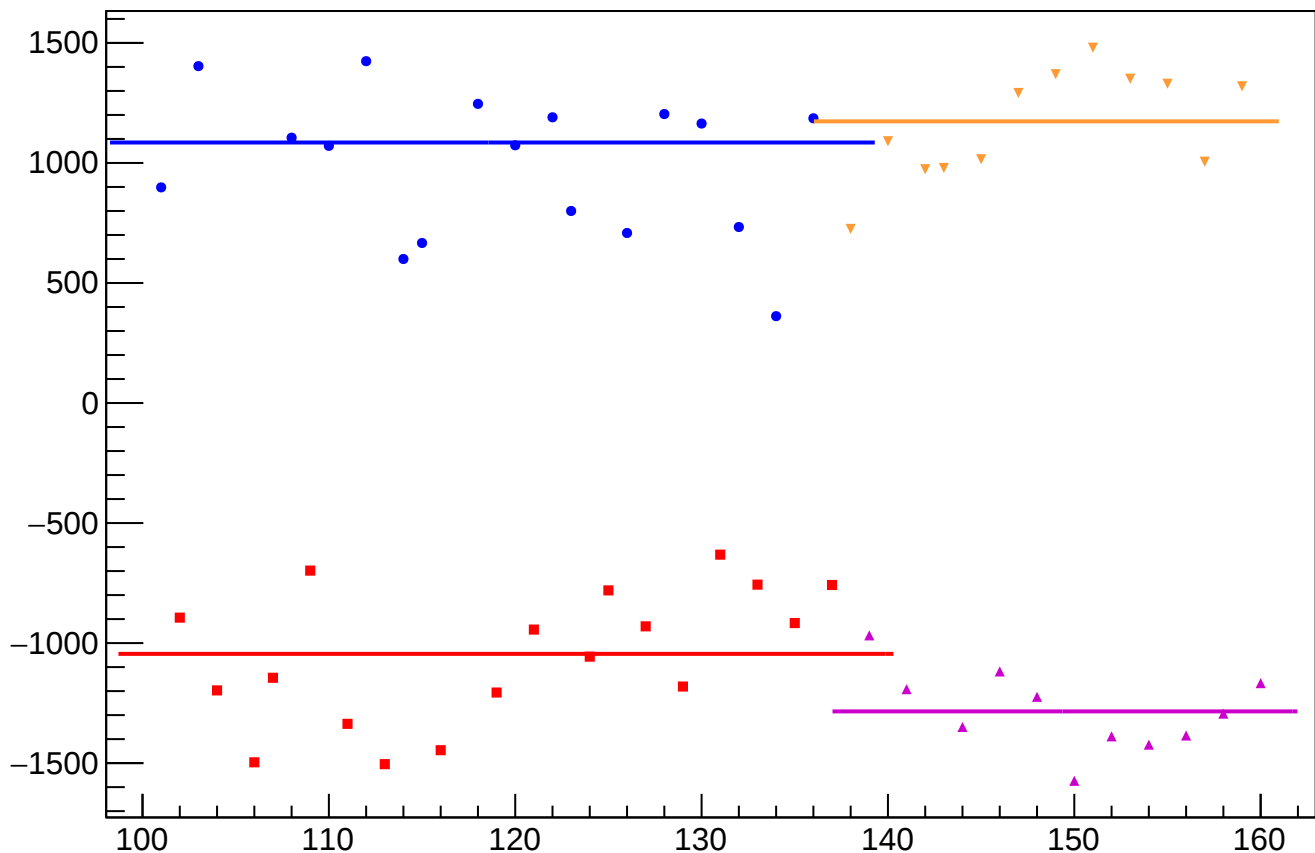
Right In: -12807.543+/-0.000 χ^2/NDF : 43495419642384540327712467114015835815936.0/16
 Left Out: -7096.329+/-0.000 χ^2/NDF : 584722053171334285321257985594368196608.0/11
 Right Out: 13794.471+/-0.000 χ^2/NDF : 44540762371856662603320518030739625738240.0/17
 Left In: 7453.581+/-0.000 χ^2/NDF : 281861545149716894658296806870620307456.0/10
 All: 454.703+/-0.000 χ^2/NDF : 435734081943

dit_sam1_coil4_err_mean vs Slug, Sign Corrected



Left: -2.638 ± 0.000 $\chi^2/\text{NDF}: 11556362420616820$
 Right In: 132.743 ± 0.000 $\chi^2/\text{NDF}: 2974792347641490027349453247875121152.0/16$
 Right: -4.751 ± 0.000 $\chi^2/\text{NDF}: 3190255786857063$
 Left Out: 75.694 ± 0.000 $\chi^2/\text{NDF}: 299041397812904543240527879931428864.0/11$
 In: 11.346 ± 0.000 $\chi^2/\text{NDF}: 210560879125943653$
 Right Out: -138.207 ± 0.000 $\chi^2/\text{NDF}: 3073549318432471040798146297277186048.0/17$
 Out: -18.480 ± 0.000 $\chi^2/\text{NDF}: 2168337738862488$
 Left In: -78.954 ± 0.000 $\chi^2/\text{NDF}: 245917130698538374305589687150968832.0/10$
 All: -3.553 ± 0.000 $\chi^2/\text{NDF}: 4346248611398$

dit_sam1_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1085.186+/-0.000

χ^2/NDF : 44603059371113642027482174752630505472.0/16

Left Out: 1173.287+/-0.000

χ^2/NDF : 42540290412411971649148526900629471232.0/11

Right Out: -1044.852+/-0.000

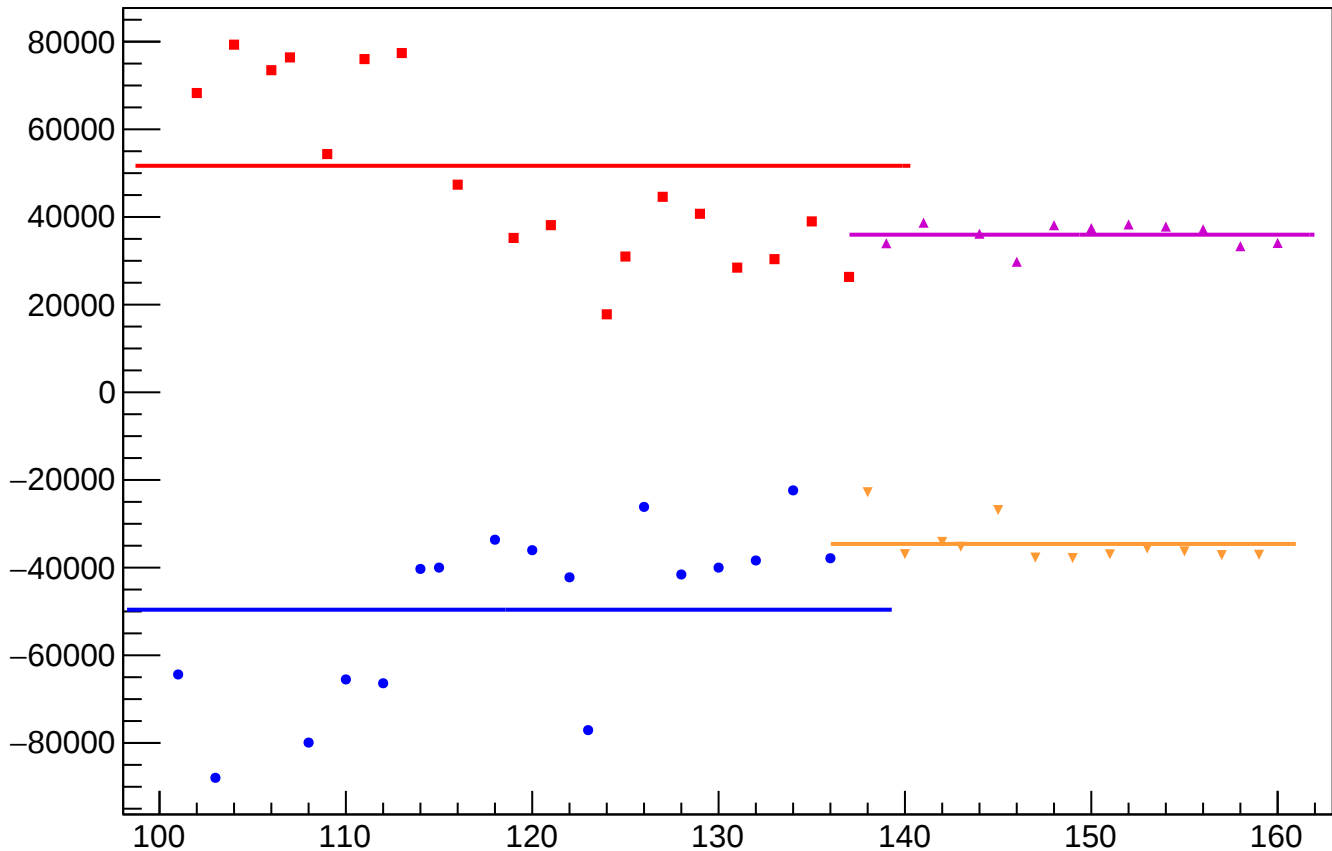
χ^2/NDF : 50845956393664427375382832394046275584.0/17

Left In: -1284.540+/-0.000

χ^2/NDF : 24056417049221053484728394918859374592.0/10

Left: -71.638+/-0.000 χ^2/NDF : 2847965876858153
 Right: 4.294+/-0.000 χ^2/NDF : 16932734928141311
 In: -273.729+/-0.000 χ^2/NDF : 2303517069122456
 Out: 196.705+/-0.000 χ^2/NDF : 2062457208179950
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_sam2_coil4_mean vs Slug, Sign Corrected



Right In: -49596.405+/-0.000

Left Out: -34593.901+/-0.000

Right Out: 51680.980+/-0.000

Left In: 35959.420+/-0.000

χ^2/NDF : 248313182325102448289525934605791330828288.0/16

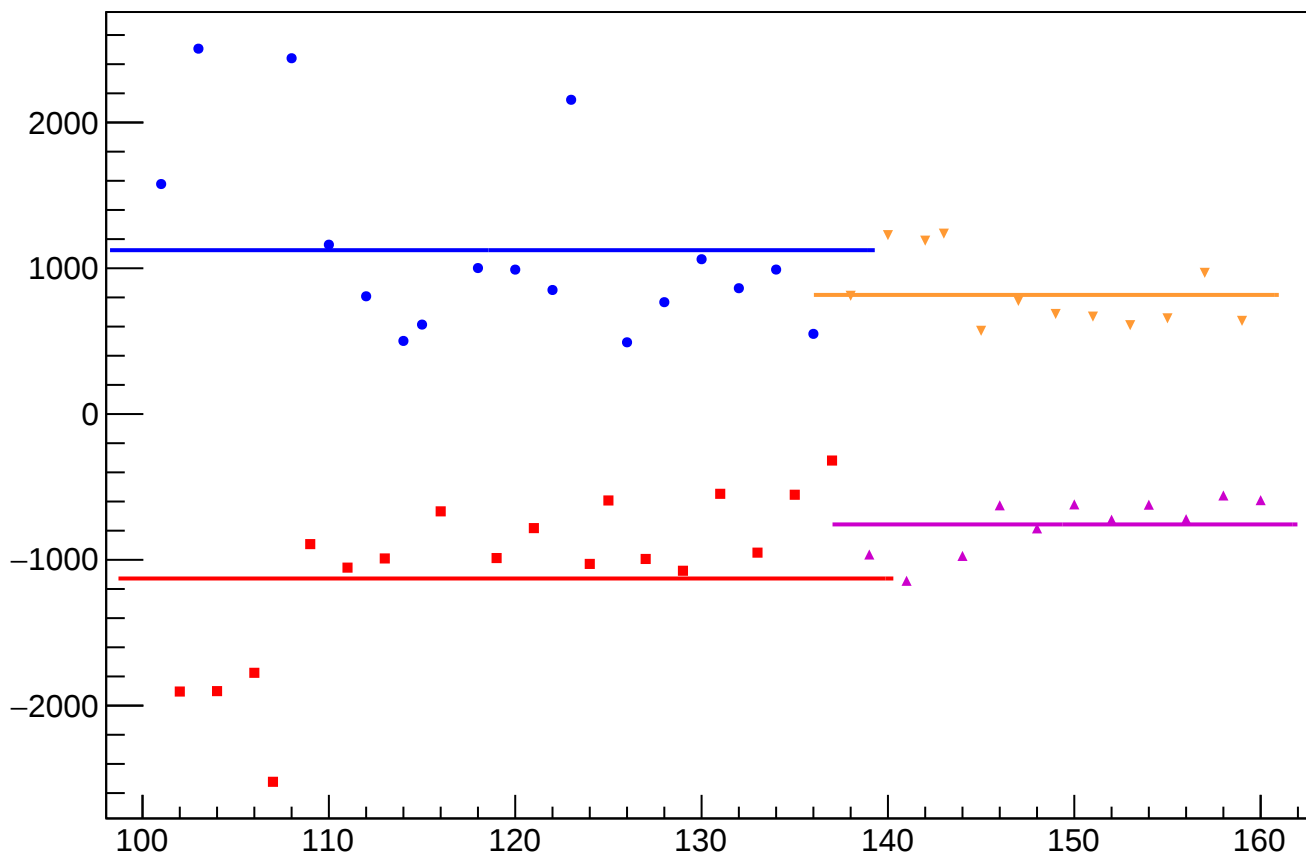
χ^2/NDF : 19332238764834112124747040225536159776768.0/11

χ^2/NDF : 268094403741805330481600683125097153691648.0/17

χ^2/NDF : 6460763561716039047552359643495482261504.0/10

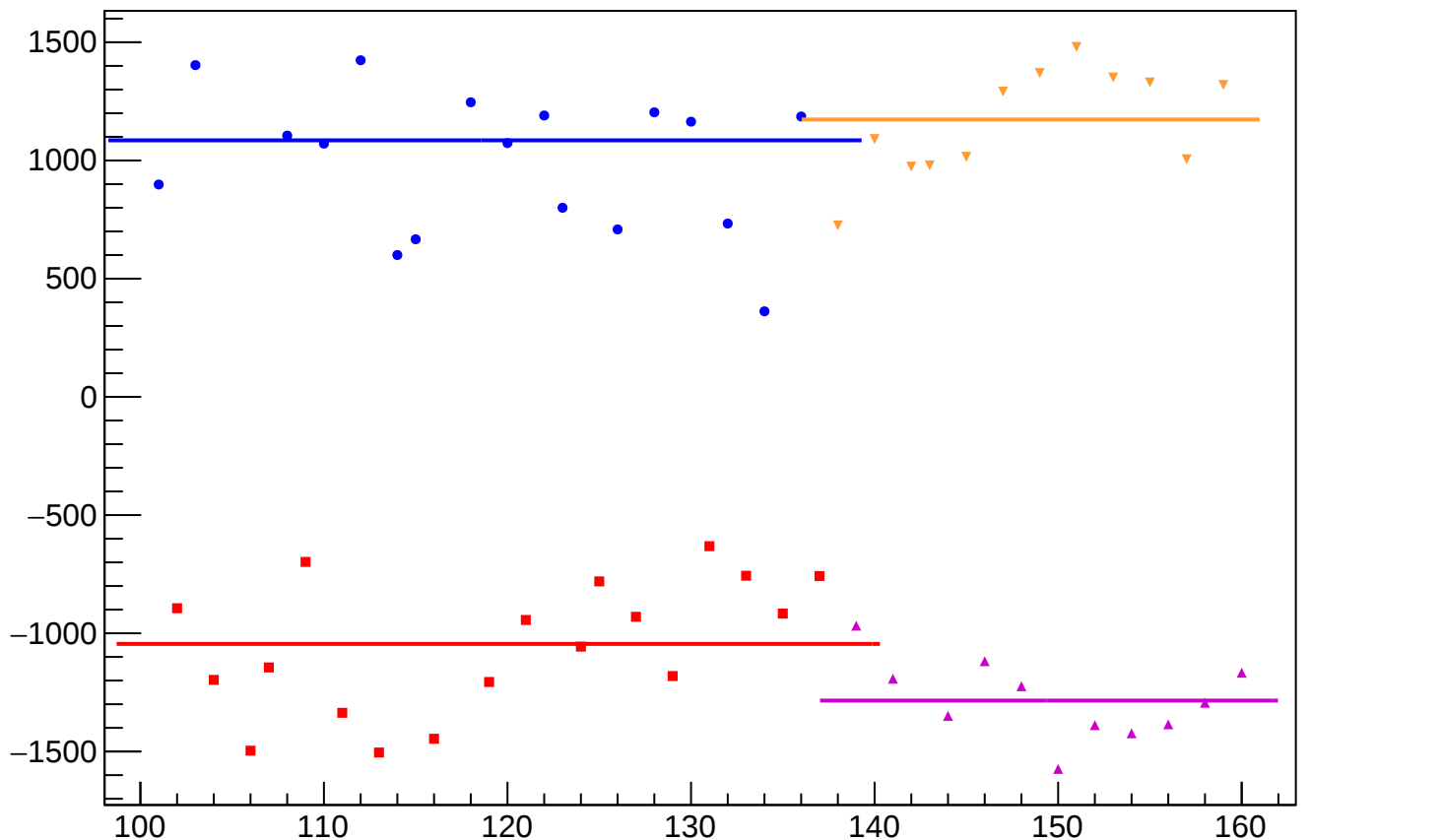
All: 1426.108+/-0.000 χ^2/NDF : 64466810883

dit_sam2_coil4_err_mean vs Slug, Sign Corrected



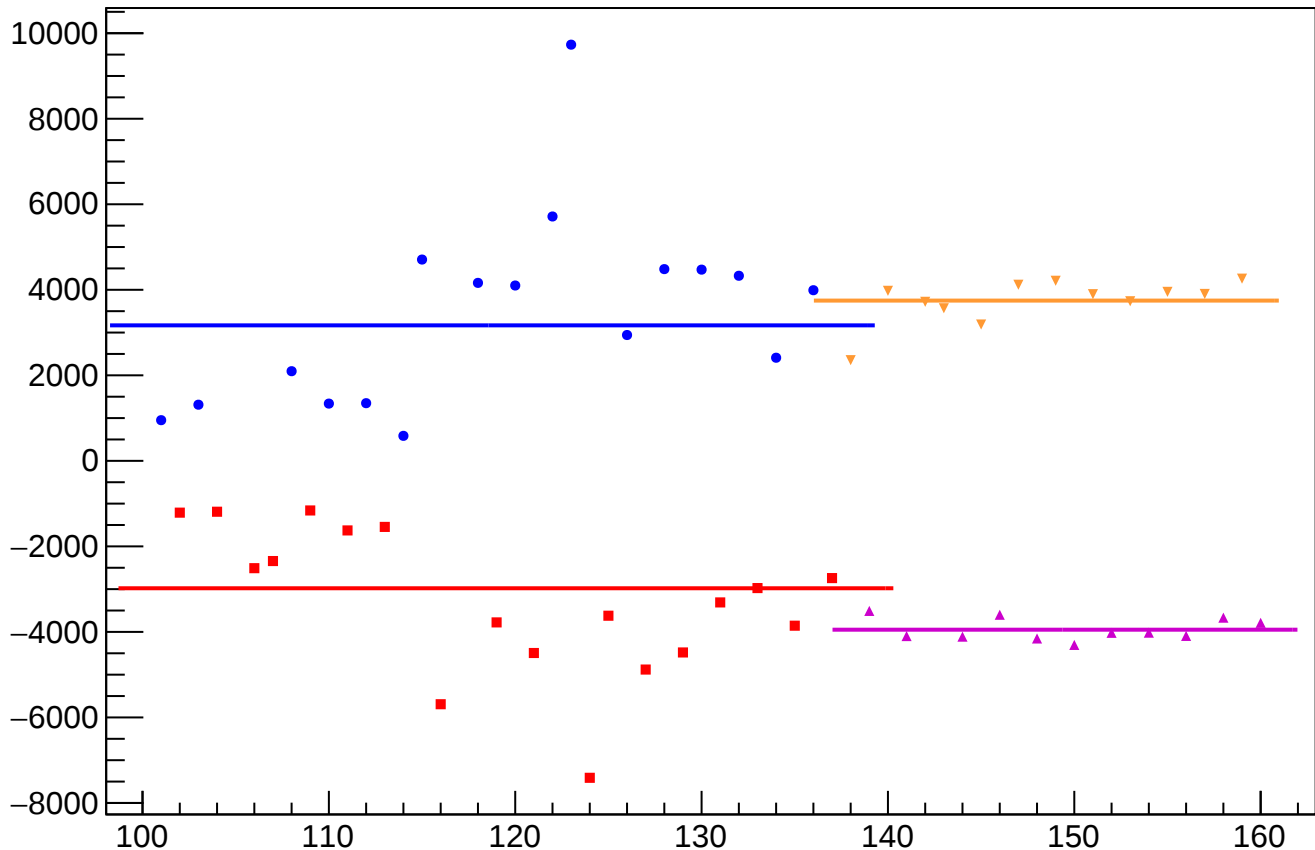
Left: 19.808+/-0.000 χ^2/NDF : 12219716222739218
 Right In: 1124.063+/-0.000 χ^2/NDF : 267842110554403806997651522470490931200.0/16
 Right: -18.777+/-0.000 χ^2/NDF : 227074266812784
 Left Out: 817.239+/-0.000 χ^2/NDF : 49942482269119198529888239758950268928.0/11
 In: 45.308+/-0.000 χ^2/NDF : 170703212048580297
 Right Out: -1128.051+/-0.000 χ^2/NDF : 216680110329654752465971394746324615168.0/17
 Out: -39.215+/-0.000 χ^2/NDF : 1781064318576625
 Left In: -757.110+/-0.000 χ^2/NDF : 30838574623639063731513645765836668928.0/10
 All: 3.085+/-0.000 χ^2/NDF : 34939028528158

dit_sam2_coil4_Ndata_mean vs Slug, Sign Corrected



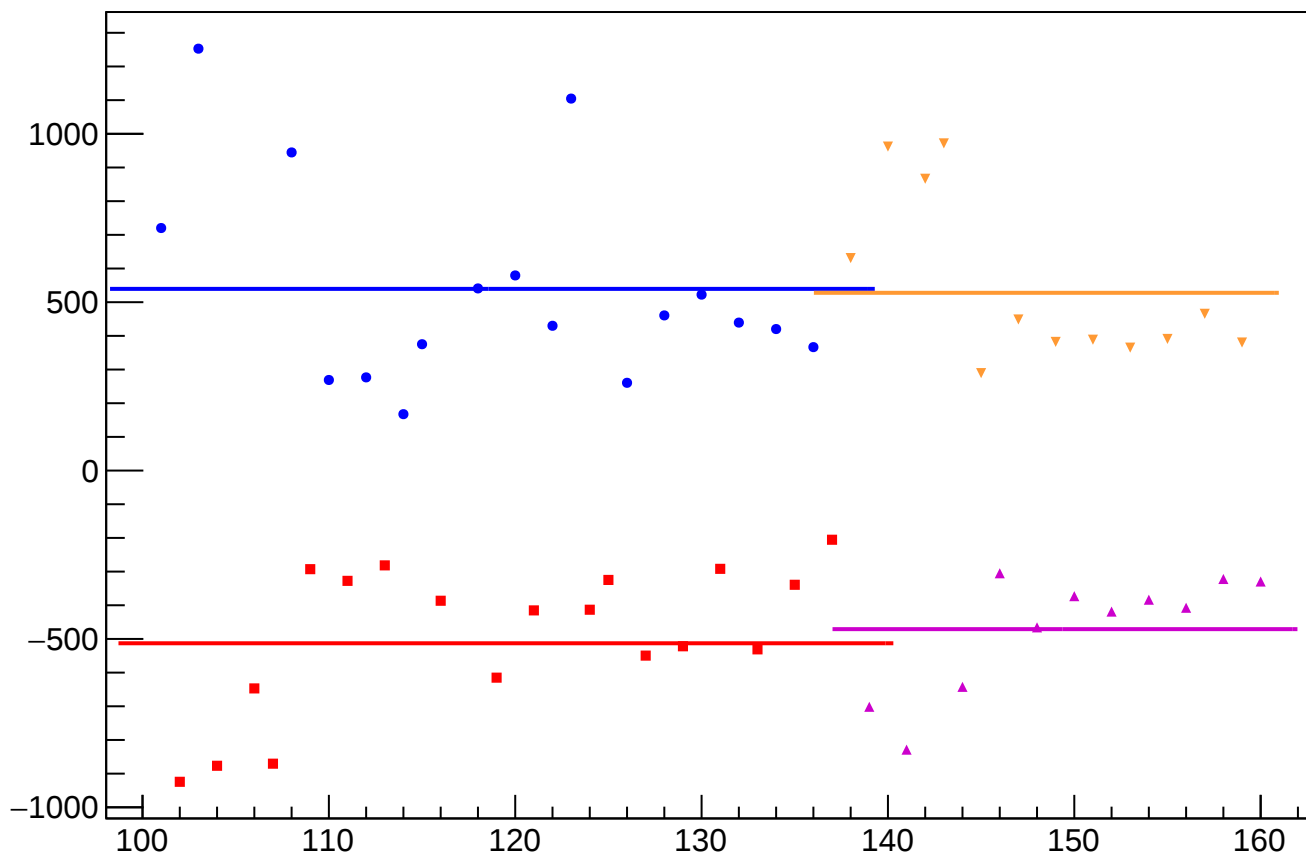
Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_sam3_coil4_mean vs Slug, Sign Corrected



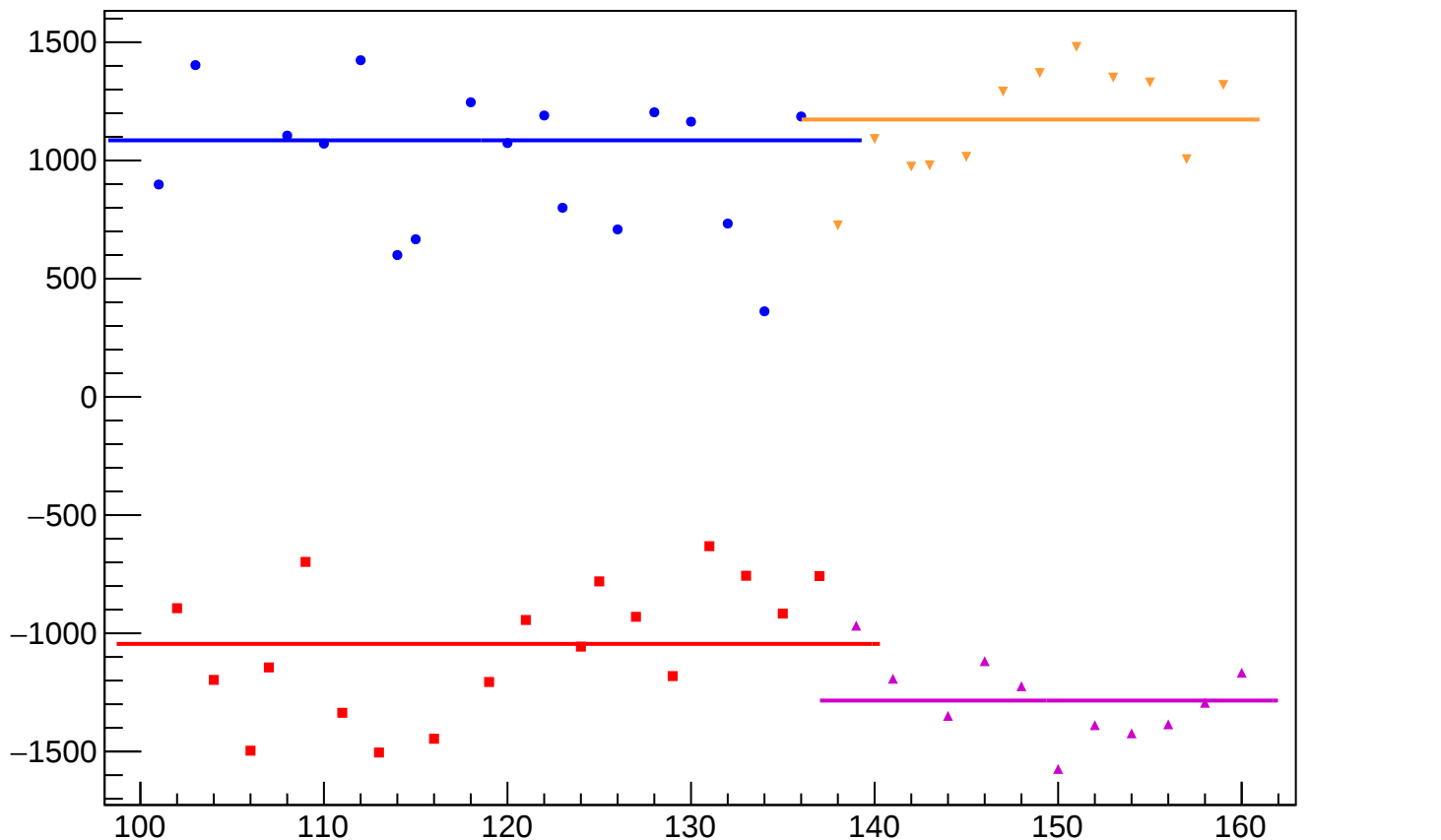
Right In: 3168.399 $\pm$ 0.000 χ^2 /NDF: 1758554525431486031573031760874625302528.0/16
 Left Out: 3747.596 $\pm$ 0.000 χ^2 /NDF: 238995509272824091169755194048479494144.0/11
 Right Out: -2979.505 $\pm$ 0.000 χ^2 /NDF: 1604891244832822830292138533265256480768.0/17
 Left In: -3948.419 $\pm$ 0.000 χ^2 /NDF: 56222692399509421042001989393274896384.0/10
 All: -64.222 $\pm$ 0.000 χ^2 /NDF: 442714340176

dit_sam3_coil4_err_mean vs Slug, Sign Corrected



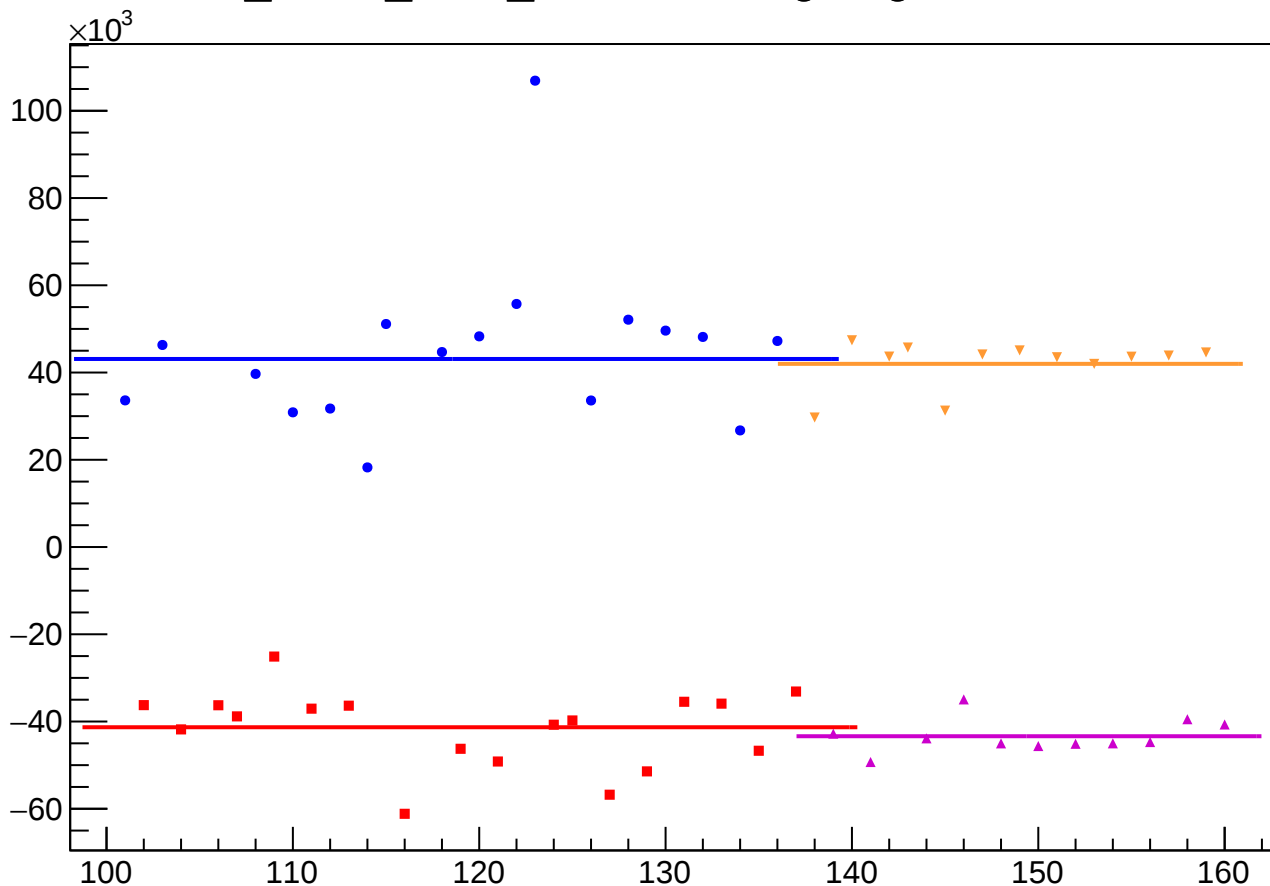
Left: 21.975 +/- 0.000 χ^2/NDF : 53370979876518743
 Right: 5.500 +/- 0.000 χ^2/NDF : 48096110530152211
 In: -39.894 +/- 0.000 χ^2/NDF : 48688876862229481
 Out: 69.664 +/- 0.000 χ^2/NDF : 51824329036978360
 All: 14.834 +/- 0.000 χ^2/NDF : 1014887597497

dit_sam3_coil4_Ndata_mean vs Slug, Sign Corrected



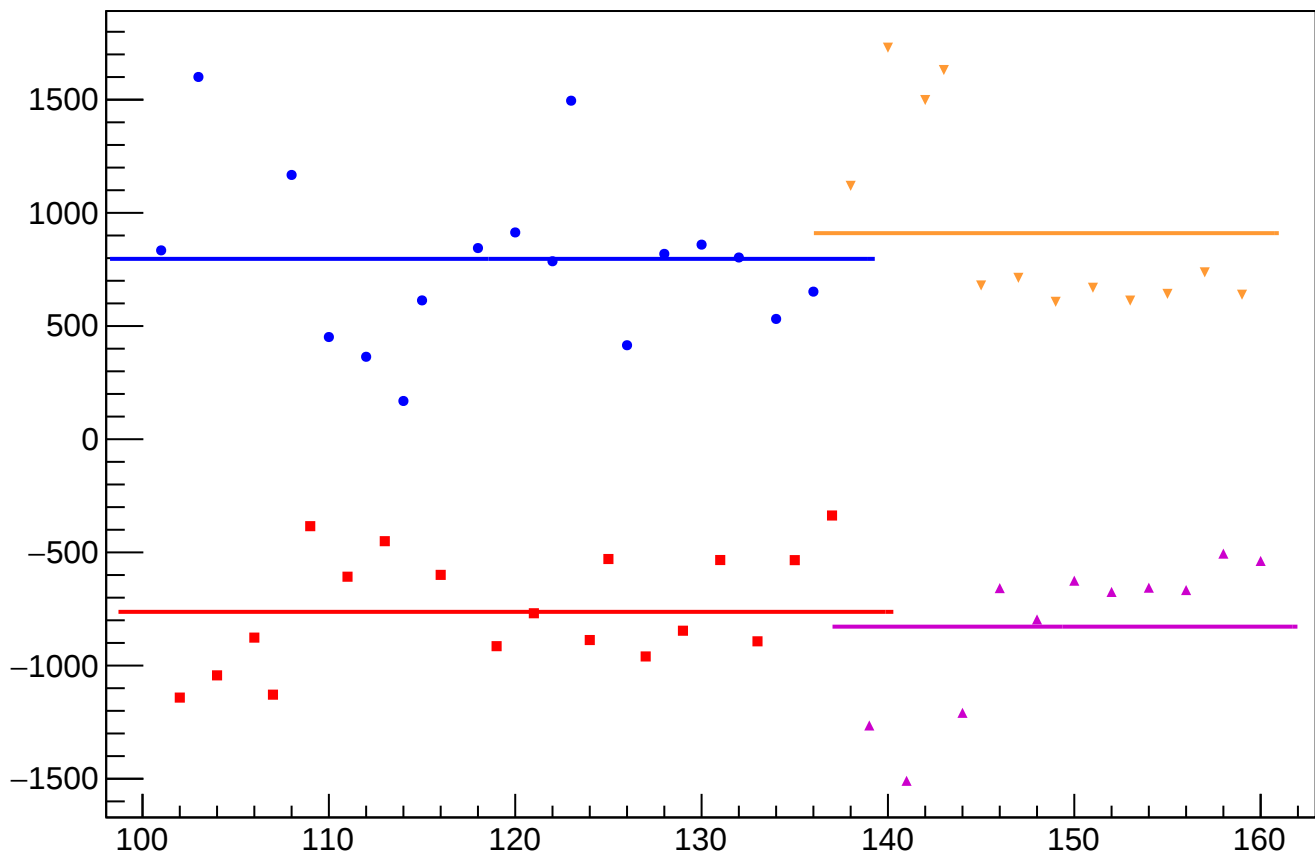
Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_sam4_coil4_mean vs Slug, Sign Corrected



Right In: 43108.031 $\pm$ 0.000 χ^2/NDF : 68611682581967867390827070514847106990080.0/16
 Left: -1248.063 $\pm$ 0.000 χ^2/NDF : 33936130306512
 Right: 268.355 $\pm$ 0.000 χ^2/NDF : 263013865606150
 Left Out: 41988.937 $\pm$ 0.000 χ^2/NDF : 26595625315184876661727332300070884212736.0/11
 In: -6484.267 $\pm$ 0.000 χ^2/NDF : 305712030076605
 Right Out: -41313.091 $\pm$ 0.000 χ^2/NDF : 51625009130500845485657820618169448923136.0/17
 Out: 5313.475 $\pm$ 0.000 χ^2/NDF : 285534325864429
 Left In: -43372.857 $\pm$ 0.000 χ^2/NDF : 12091187656502960448848492579917477707776.0/10
 All: -590.839 $\pm$ 0.000 χ^2/NDF : 60255874711

dit_sam4_coil4_err_mean vs Slug, Sign Corrected



Right In: 796.788+/-0.000

χ^2/NDF : 74155375401966789010322999397605965824.0/16

Left Out: 910.363+/-0.000

χ^2/NDF : 150023970715127091011215524166165856256.0/11

Right Out: -762.642+/-0.000

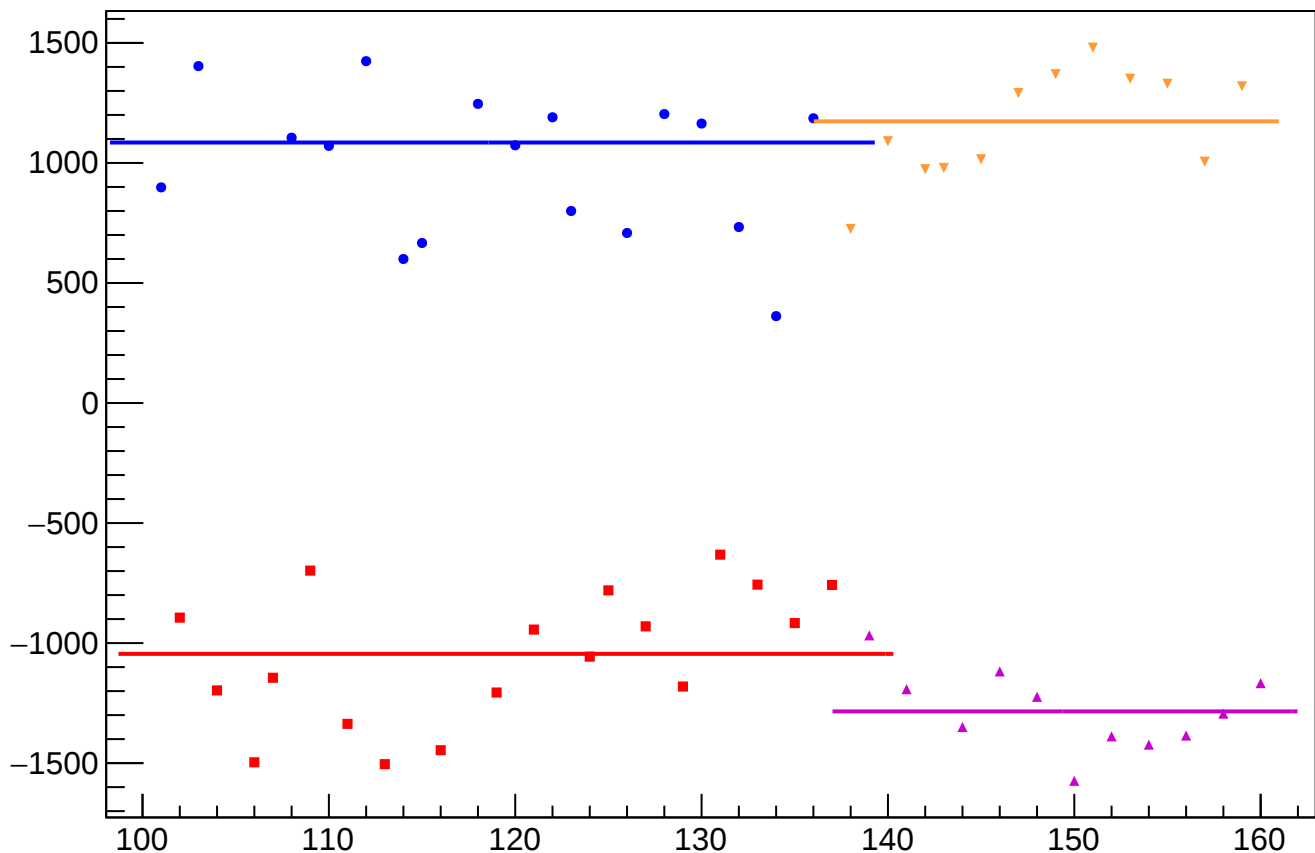
χ^2/NDF : 44999366783777016136570300173215858688.0/17

Left In: -828.047+/-0.000

χ^2/NDF : 96201297506087070099989263222619242496.0/10

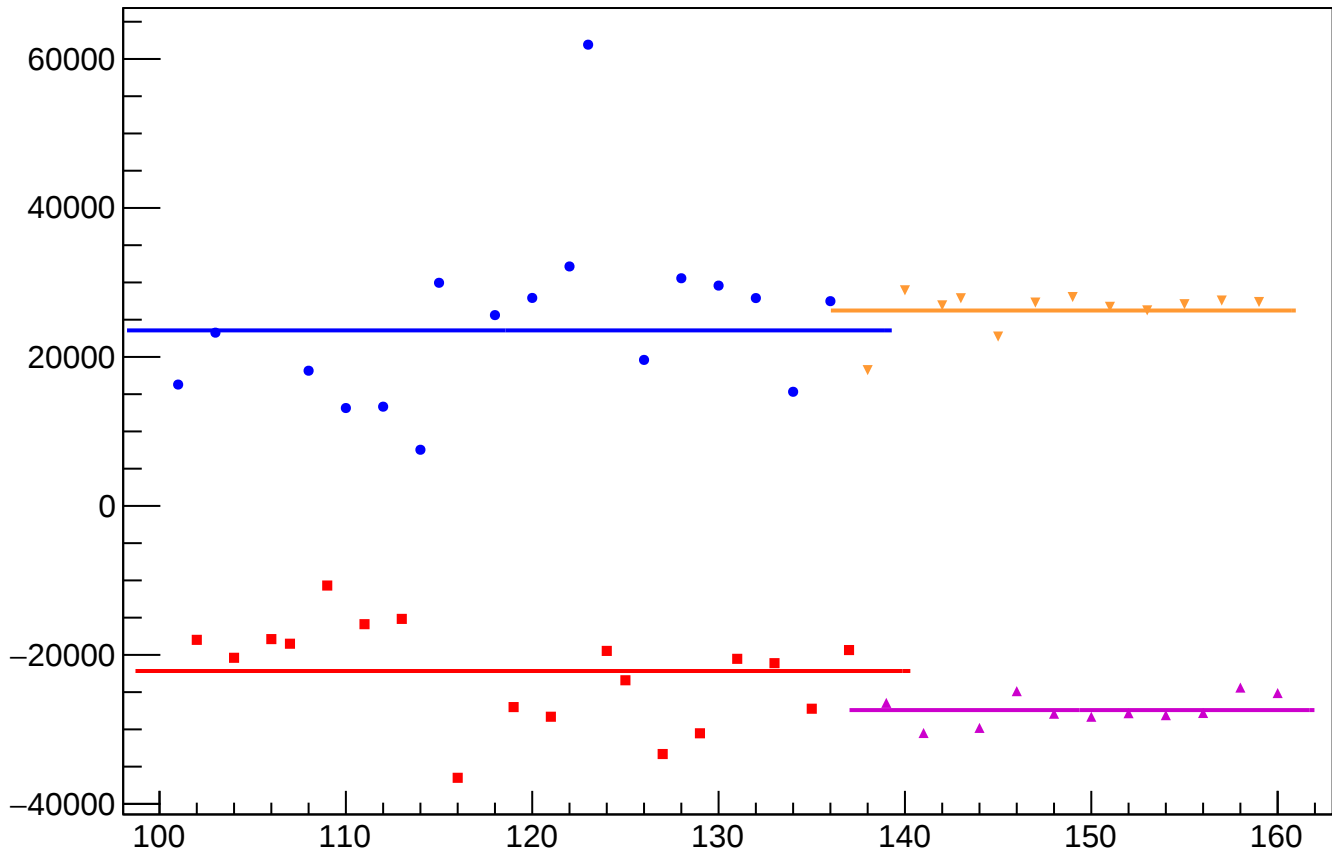
All: 19.266+/-0.000 χ^2/NDF : 2613699813863

dit_sam4_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1085.186+/-0.000	χ^2/NDF : 44603059371113642027482174752630505472.0/16	Left: -71.638+/-0.000	χ^2/NDF : 2847965876858153
Left Out: 1173.287+/-0.000	χ^2/NDF : 42540290412411971649148526900629471232.0/11	Right: 4.294+/-0.000	χ^2/NDF : 16932734928141311
Right Out: -1044.852+/-0.000	χ^2/NDF : 50845956393664427375382832394046275584.0/17	In: -273.729+/-0.000	χ^2/NDF : 2303517069122456
Left In: -1284.540+/-0.000	χ^2/NDF : 24056417049221053484728394918859374592.0/10	Out: 196.705+/-0.000	χ^2/NDF : 2062457208179950
	All: -38.729+/-0.000	χ^2/NDF : 454584232037	

dit_sam5_coil4_mean vs Slug, Sign Corrected



Right In: 23563.217+/-0.000

χ^2/NDF : 35385807137271018817625418232540839280640.0/16

Left Out: 26232.941+/-0.000

χ^2/NDF : 7436306383754098156934386282018195374080.0/11

Right Out: -22162.506+/-0.000

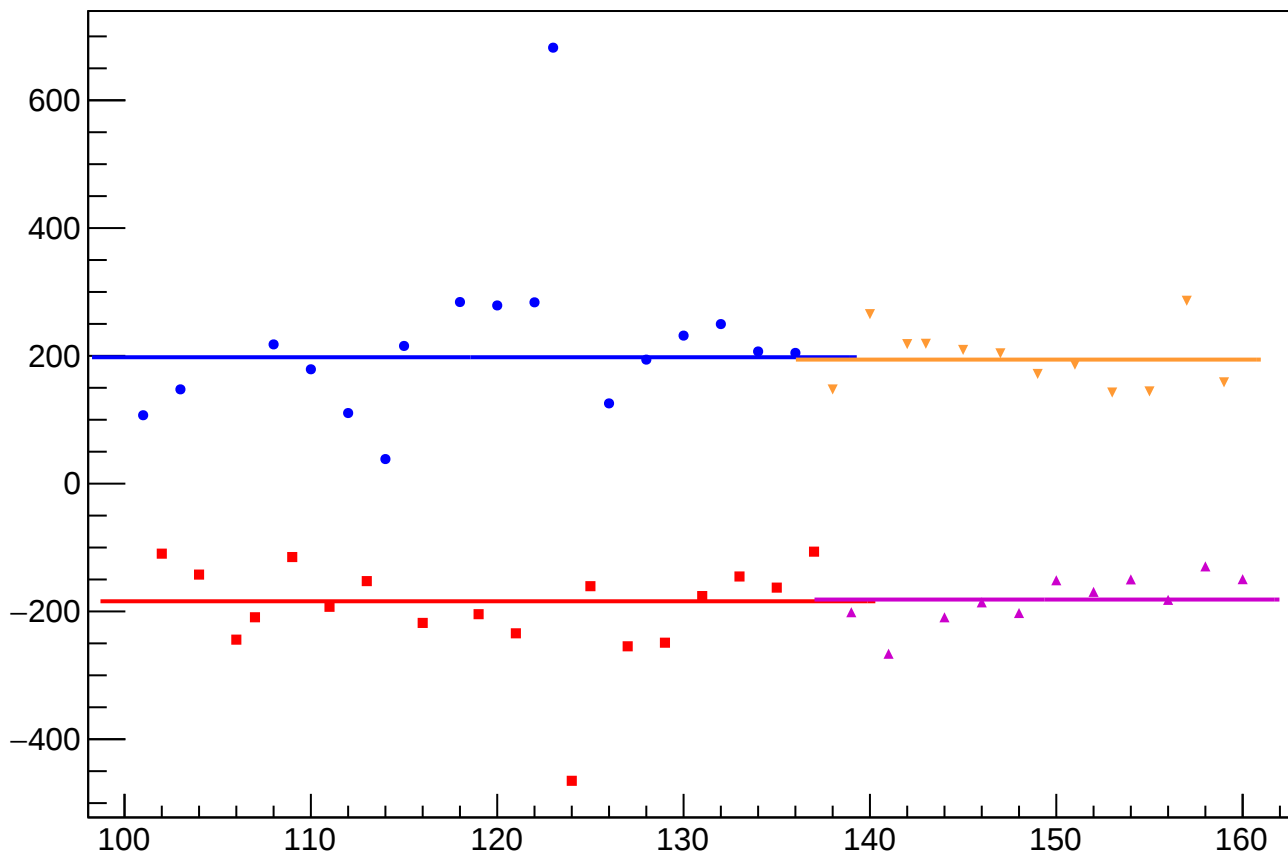
χ^2/NDF : 30926817479017578857864317291139006726144.0/17

Left In: -27409.308+/-0.000

χ^2/NDF : 3260068033865796960082272162296933384192.0/10

All: -375.411+/-0.000 χ^2/NDF : 21395474548

dit_sam5_coil4_err_mean vs Slug, Sign Corrected



Right In: 197.841+/-0.000

χ^2/NDF : 3601849103427594359827693165900464128.0/16

Left Out: 194.146+/-0.000

χ^2/NDF : 1879017279218446114091371157486829568.0/11

Right Out: -184.108+/-0.000

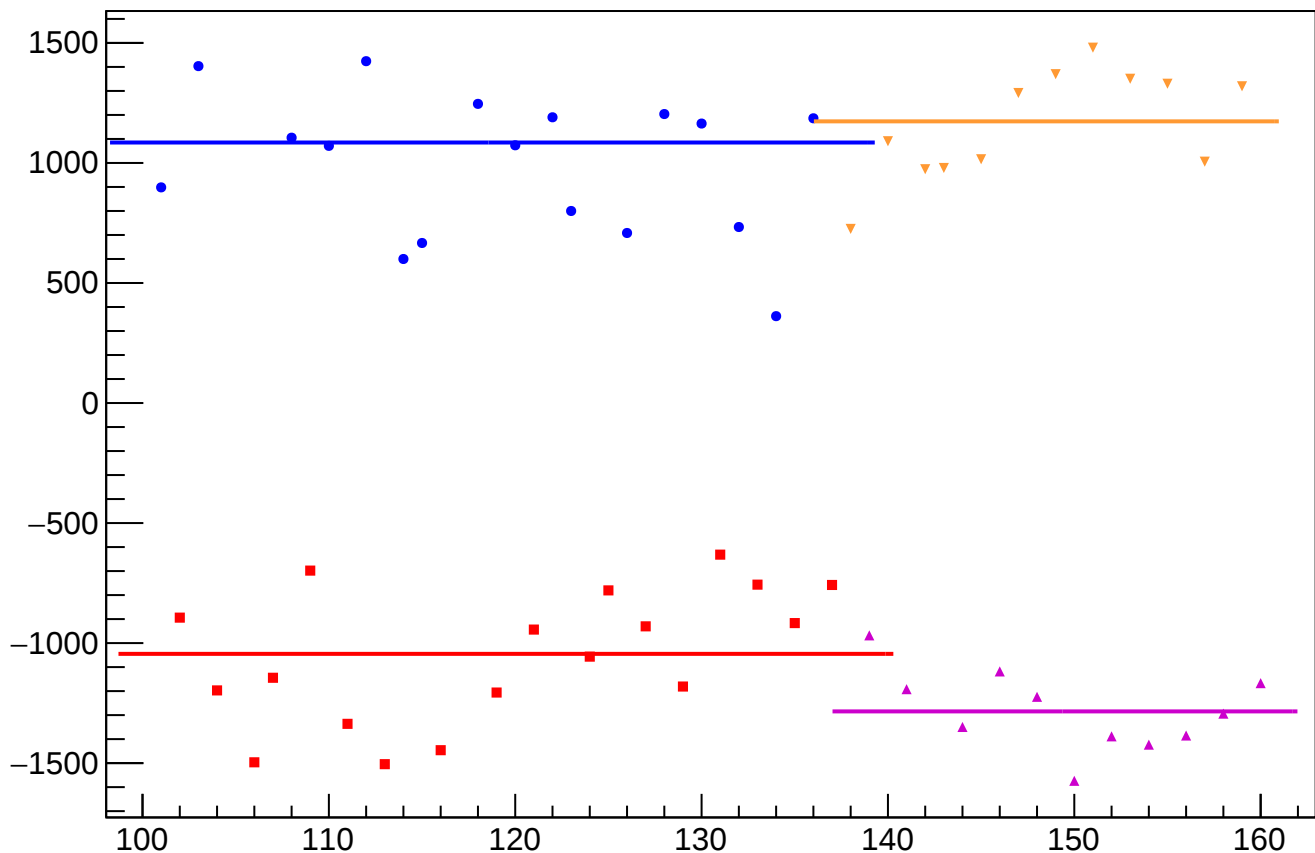
χ^2/NDF : 2706165724913072523706132651898306560.0/17

Left In: -181.409+/-0.000

χ^2/NDF : 1237326176797583481368716307739967488.0/10

Left: 3.922+/-0.000 χ^2/NDF : 680547634341242532
 Right: 4.020+/-0.000 χ^2/NDF : 57684682342329380
 In: -19.639+/-0.000 χ^2/NDF : 62079772857917457
 Out: 27.612+/-0.000 χ^2/NDF : 61845128959738000
 All: 3.965+/-0.000 χ^2/NDF : 12573945346954

dit_sam5_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1085.186+/-0.000

χ^2/NDF : 44603059371113642027482174752630505472.0/16

Left Out: 1173.287+/-0.000

χ^2/NDF : 42540290412411971649148526900629471232.0/11

Right Out: -1044.852+/-0.000

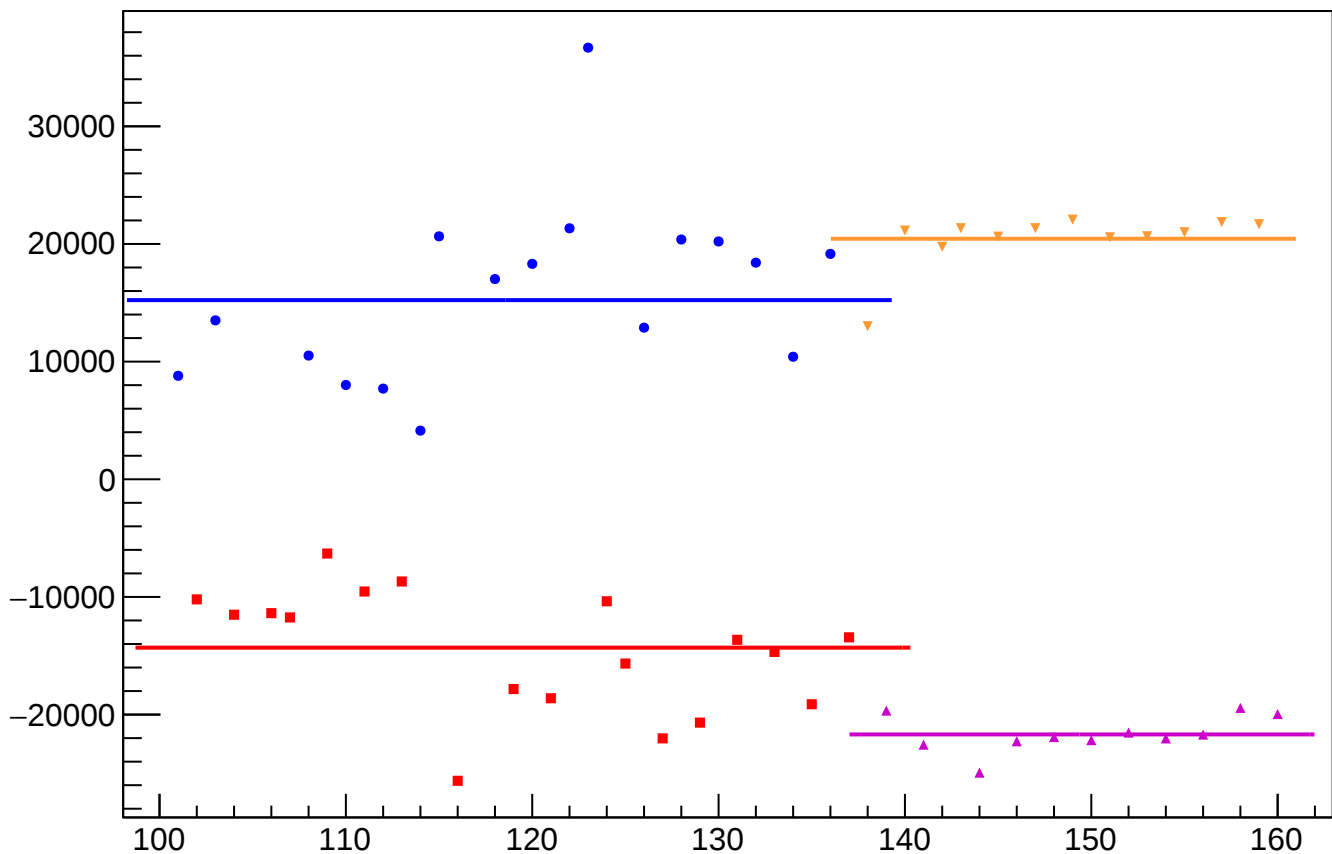
χ^2/NDF : 50845956393664427375382832394046275584.0/17

Left In: -1284.540+/-0.000

χ^2/NDF : 24056417049221053484728394918859374592.0/10

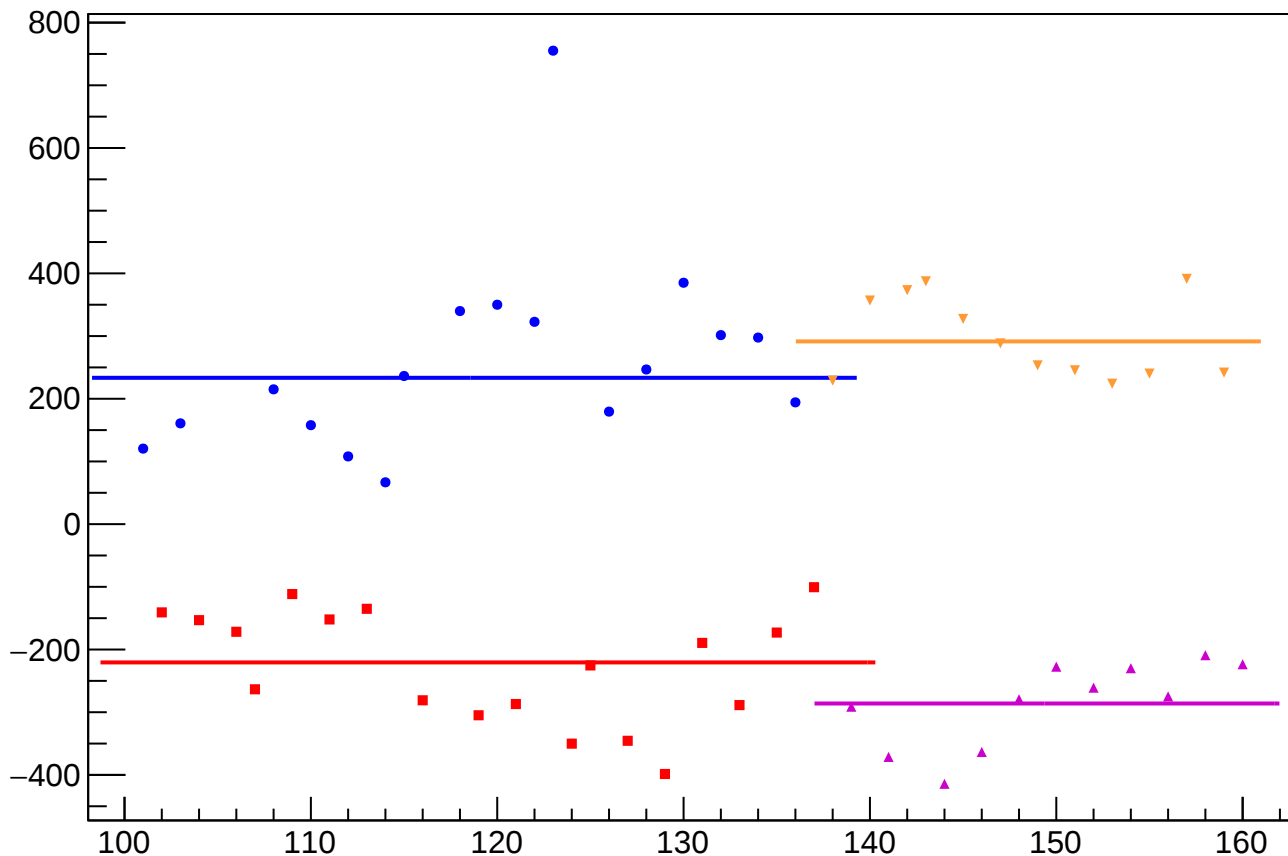
Left: -71.638+/-0.000 χ^2/NDF : 2847965876858153
 Right: 4.294+/-0.000 χ^2/NDF : 16932734928141311
 In: -273.729+/-0.000 χ^2/NDF : 2303517069122456
 Out: 196.705+/-0.000 χ^2/NDF : 2062457208179950
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_sam6_coil4_mean vs Slug, Sign Corrected



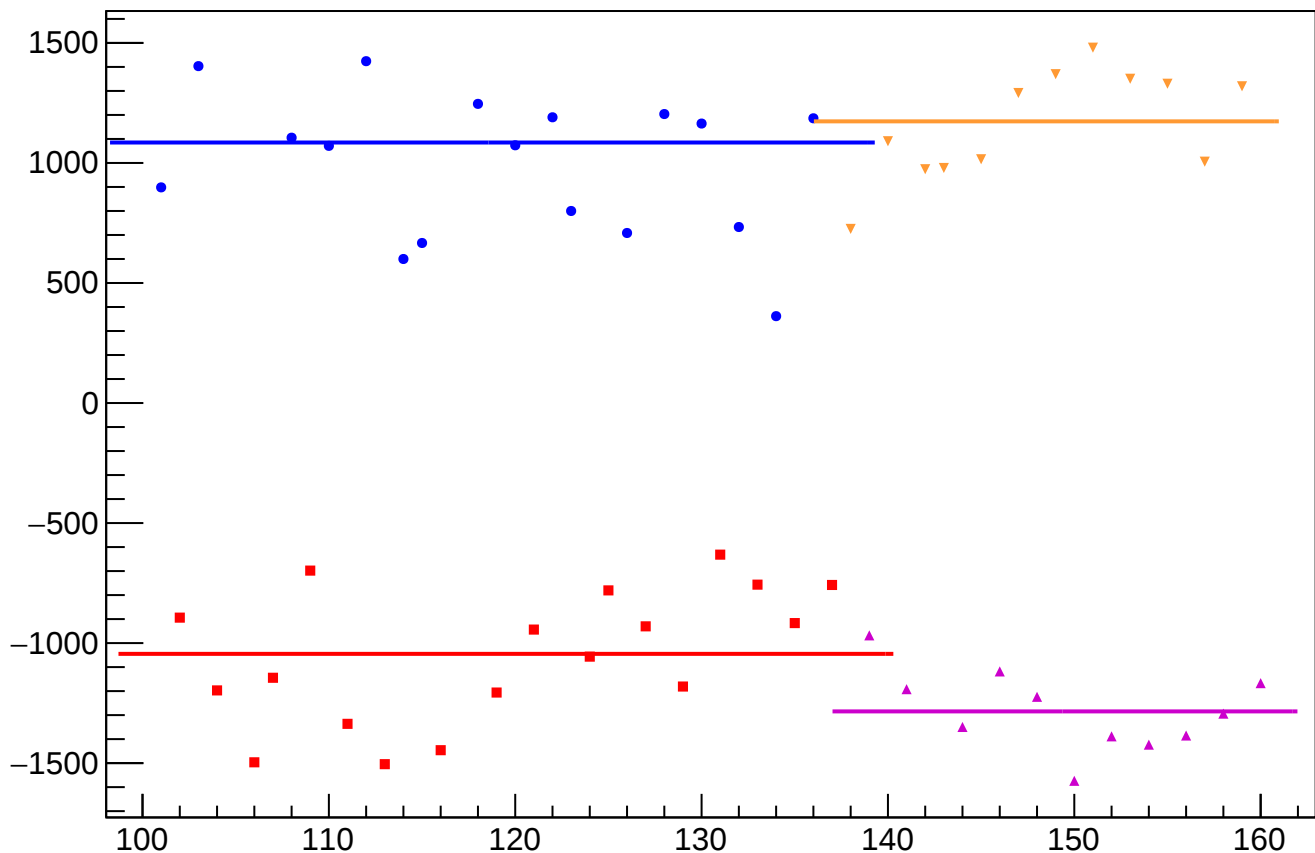
Right In: 15226.152+/-0.000	χ^2/NDF : 19033981883616318675707973818231845552128.0/16	Left: -894.986+/-0.000	χ^2/NDF : 824329350793200
Left Out: 20444.904+/-0.000	χ^2/NDF : 5015541788113107499549833018825777348608.0/11	Right: 238.671+/-0.000	χ^2/NDF : 344220945991634
Right Out: -14308.618+/-0.000	χ^2/NDF : 17986620092143727991108175714996656799744.0/17	In: -5941.016+/-0.000	χ^2/NDF : 563334536978398
Left In: -21685.940+/-0.000	χ^2/NDF : 2061414370106068569162415723838611390464.0/10	Out: 5143.938+/-0.000	χ^2/NDF : 506374214530287
	All: -403.653+/-0.000		χ^2/NDF : 11695762959

dit_sam6_coil4_err_mean vs Slug, Sign Corrected



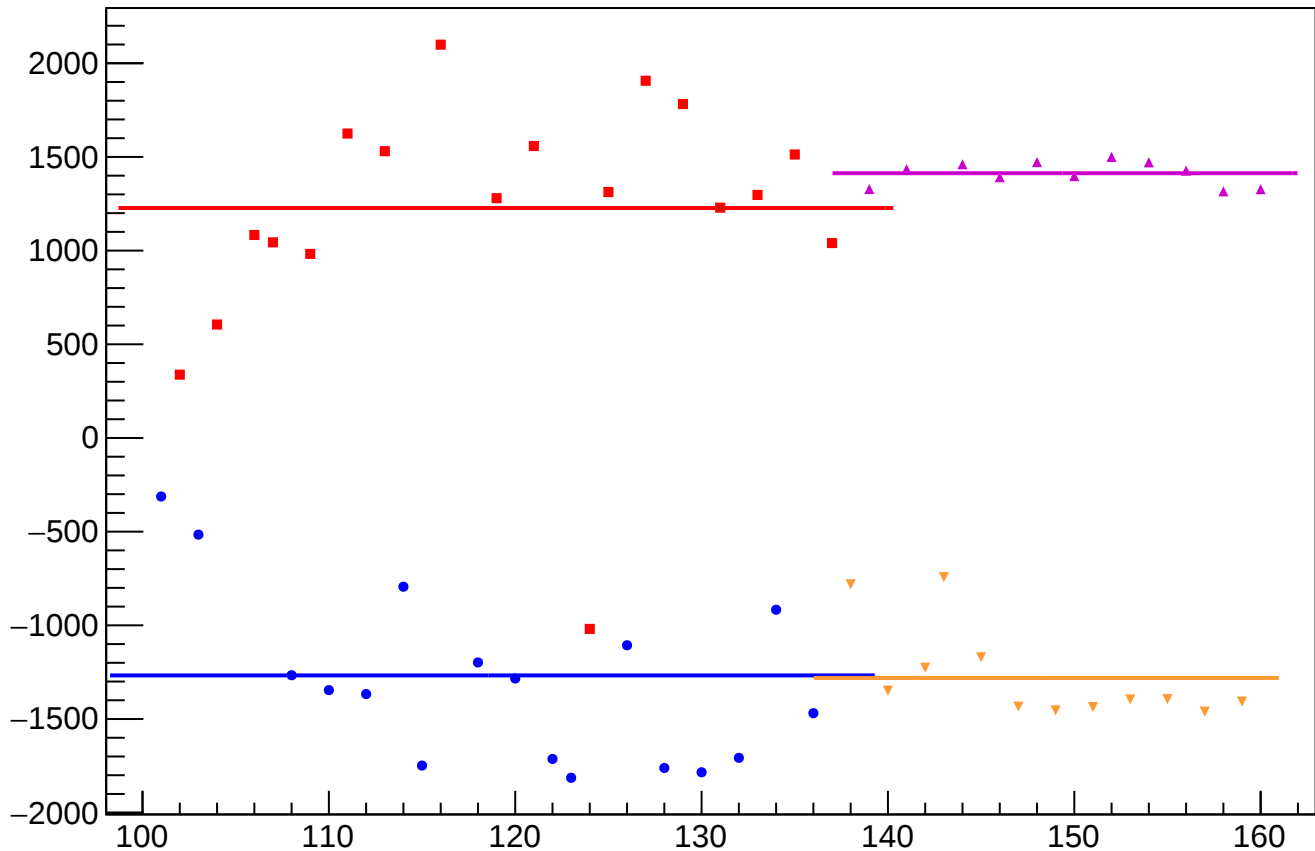
Right In: 233.427+/-0.000 χ^2/NDF : 6632421375389201944932770217893822464.0/16
 Left Out: 291.492+/-0.000 χ^2/NDF : 3496936665449814929425245861490720768.0/11
 Right Out: -220.559+/-0.000 χ^2/NDF : 5383695019108554854360648047063465984.0/17
 Left In: -286.089+/-0.000 χ^2/NDF : 4047639086763227768293546604548325376.0/10
 All: 0.721+/-0.000 χ^2/NDF : 24575467022547

dit_sam6_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1085.186 ± 0.000 $\chi^2/\text{NDF}: 44603059371113642027482174752630505472.0/16$
 Left Out: 1173.287 ± 0.000 $\chi^2/\text{NDF}: 42540290412411971649148526900629471232.0/11$
 Right Out: -1044.852 ± 0.000 $\chi^2/\text{NDF}: 50845956393664427375382832394046275584.0/17$
 Left In: -1284.540 ± 0.000 $\chi^2/\text{NDF}: 24056417049221053484728394918859374592.0/10$
 All: -38.729 ± 0.000 $\chi^2/\text{NDF}: 454584232037$

dit_sam7_coil4_mean vs Slug, Sign Corrected



Right In: -1267.268+/-0.000

Left Out: -1280.919+/-0.000

Right Out: 1227.490+/-0.000

Left In: 1413.098+/-0.000

χ^2/NDF : 145198686124385842675248081831068696576.0/16

χ^2/NDF : 52350467274887830805489203247275048960.0/11

χ^2/NDF : 214319050187910672698323609340044378112.0/17

χ^2/NDF : 3510654626311902880652773562800668672.0/10

Left: 83.640+/-0.000 χ^2/NDF : 33974772018165182

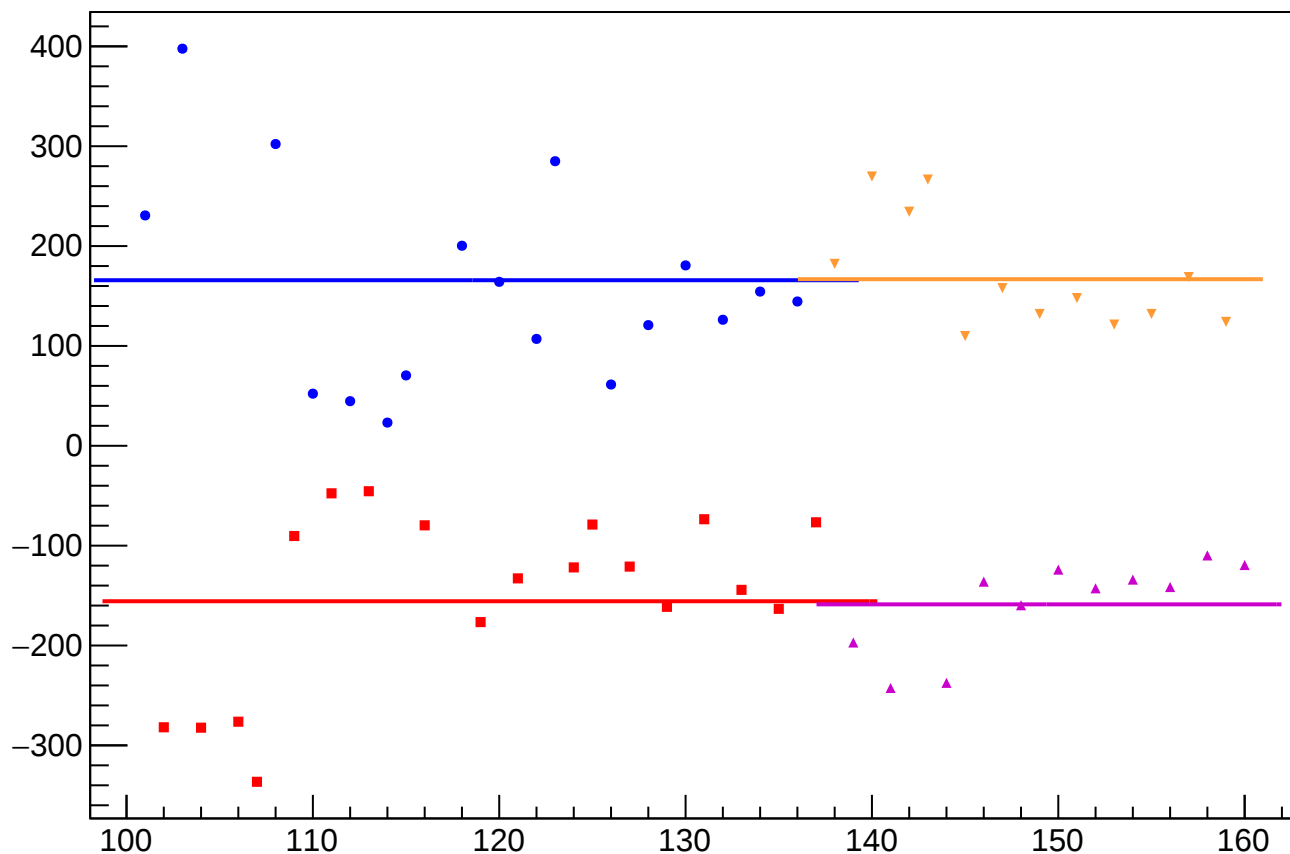
Right: -1.298+/-0.000 χ^2/NDF : 2551370593421750

In: 269.783+/-0.000 χ^2/NDF : 30078924023770430

Out: -176.539+/-0.000 χ^2/NDF : 278481258910852

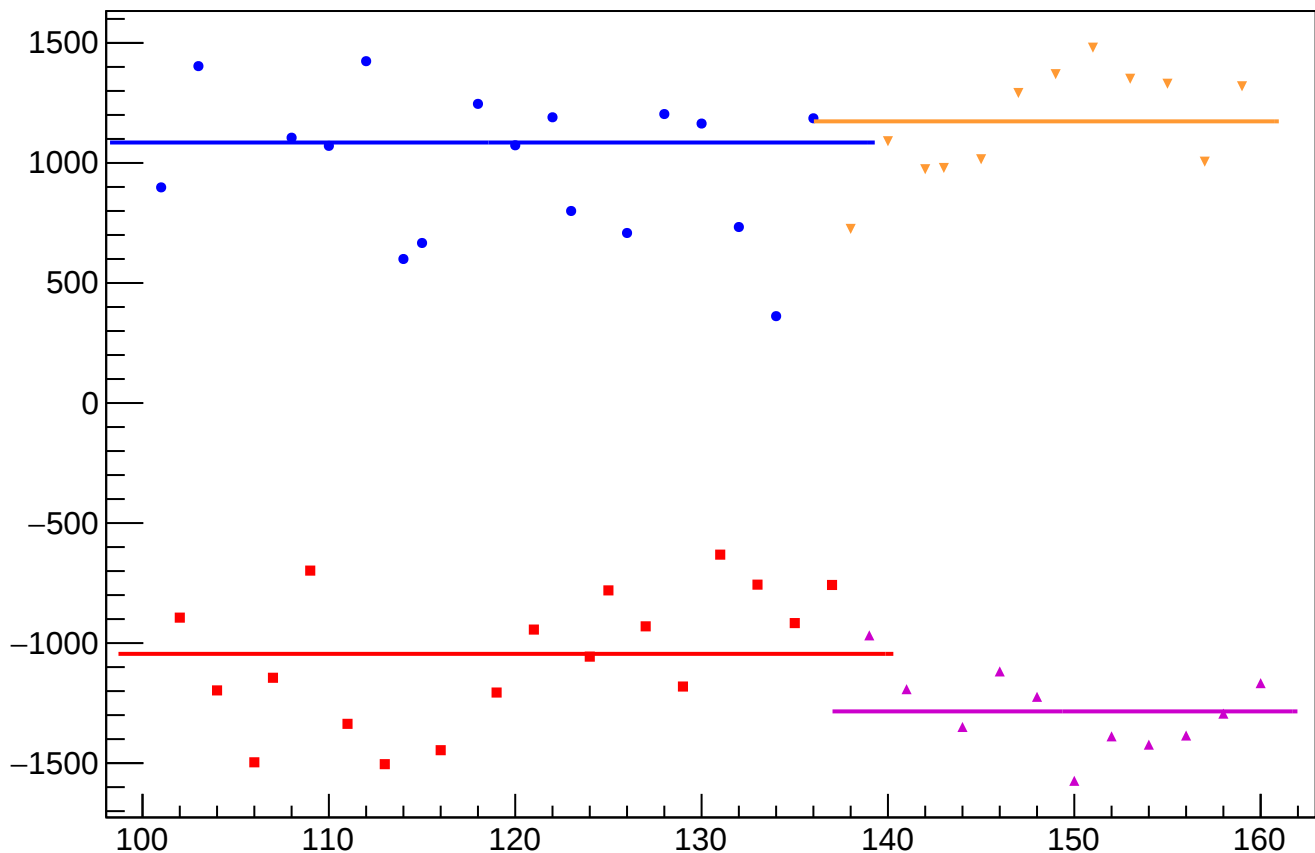
All: 46.827+/-0.000 χ^2/NDF : 5954607405275

dit_sam7_coil4_err_mean vs Slug, Sign Corrected



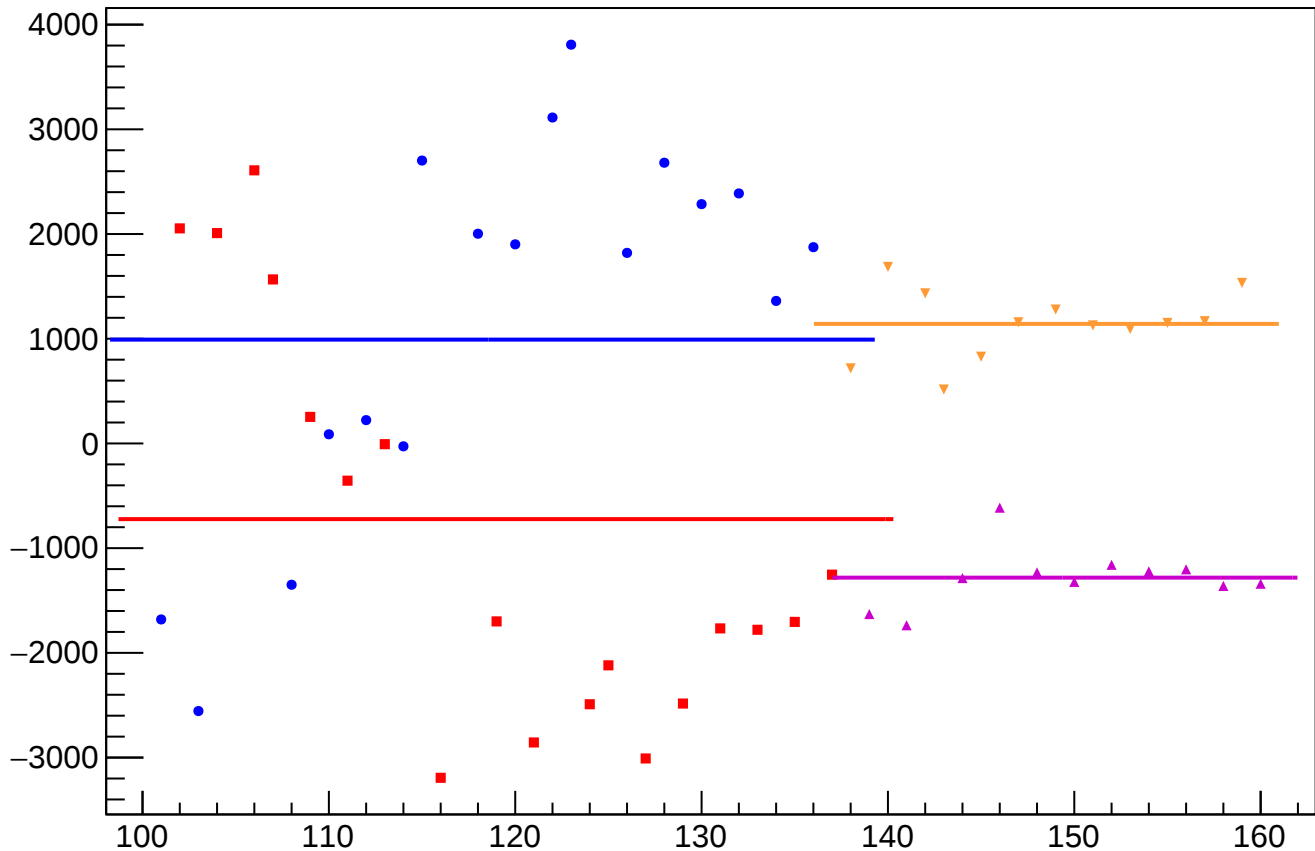
Right In: 165.791+/-0.000 χ^2/NDF : 6599926309722586861325010177468923904.0/16
 Left Out: 166.830+/-0.000 χ^2/NDF : 2570249887219169860921416363043454976.0/11
 Right Out: -155.674+/-0.000 χ^2/NDF : 5506170000172026486696305926028132352.0/17
 Left In: -158.786+/-0.000 χ^2/NDF : 1841518274242064728634139939665084416.0/10
 All: 2.231+/-0.000 χ^2/NDF : 10172834754963

dit_sam7_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1085.186 +/- 0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287 +/- 0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852 +/- 0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540 +/- 0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729 +/- 0.000 χ^2/NDF : 454584232037

dit_sam8_coil4_mean vs Slug, Sign Corrected



Right In: 991.656+/-0.000

χ^2/NDF : 2196543485135713219136059560633443549184.0/16

Left Out: 1141.755+/-0.000

χ^2/NDF : 90353942436830856594949216052979957760.0/11

Right Out: -722.834+/-0.000

χ^2/NDF : 2430230107927732709008698791969328988160.0/17

Left In: -1281.659+/-0.000

χ^2/NDF : 67729567822989794442627212039346454528.0/10

Left: -85.739+/-0.000 χ^2/NDF : 2862110400754288

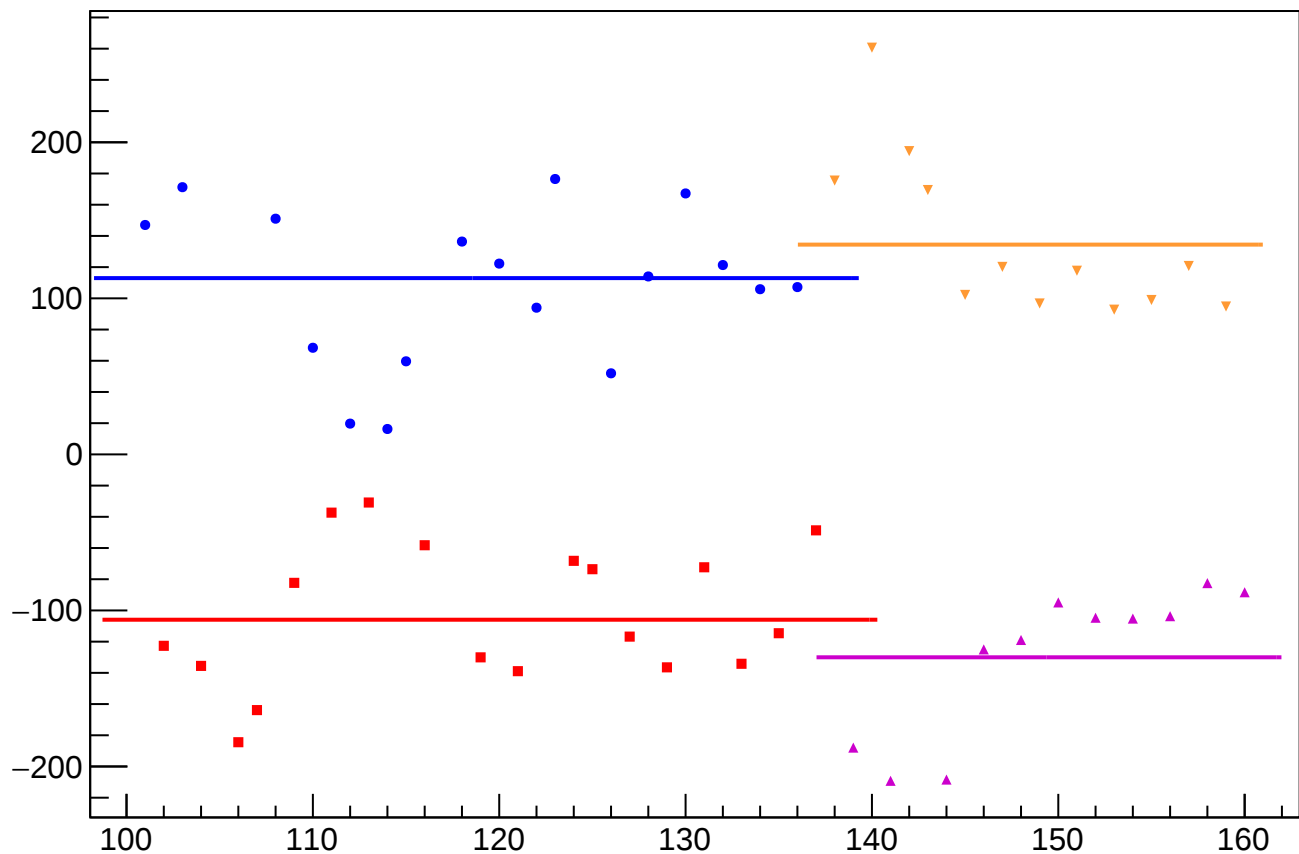
Right: 121.634+/-0.000 χ^2/NDF : 566197373113021

In: -311.972+/-0.000 χ^2/NDF : 4320980741523032

Out: 320.831+/-0.000 χ^2/NDF : 3911978133635369

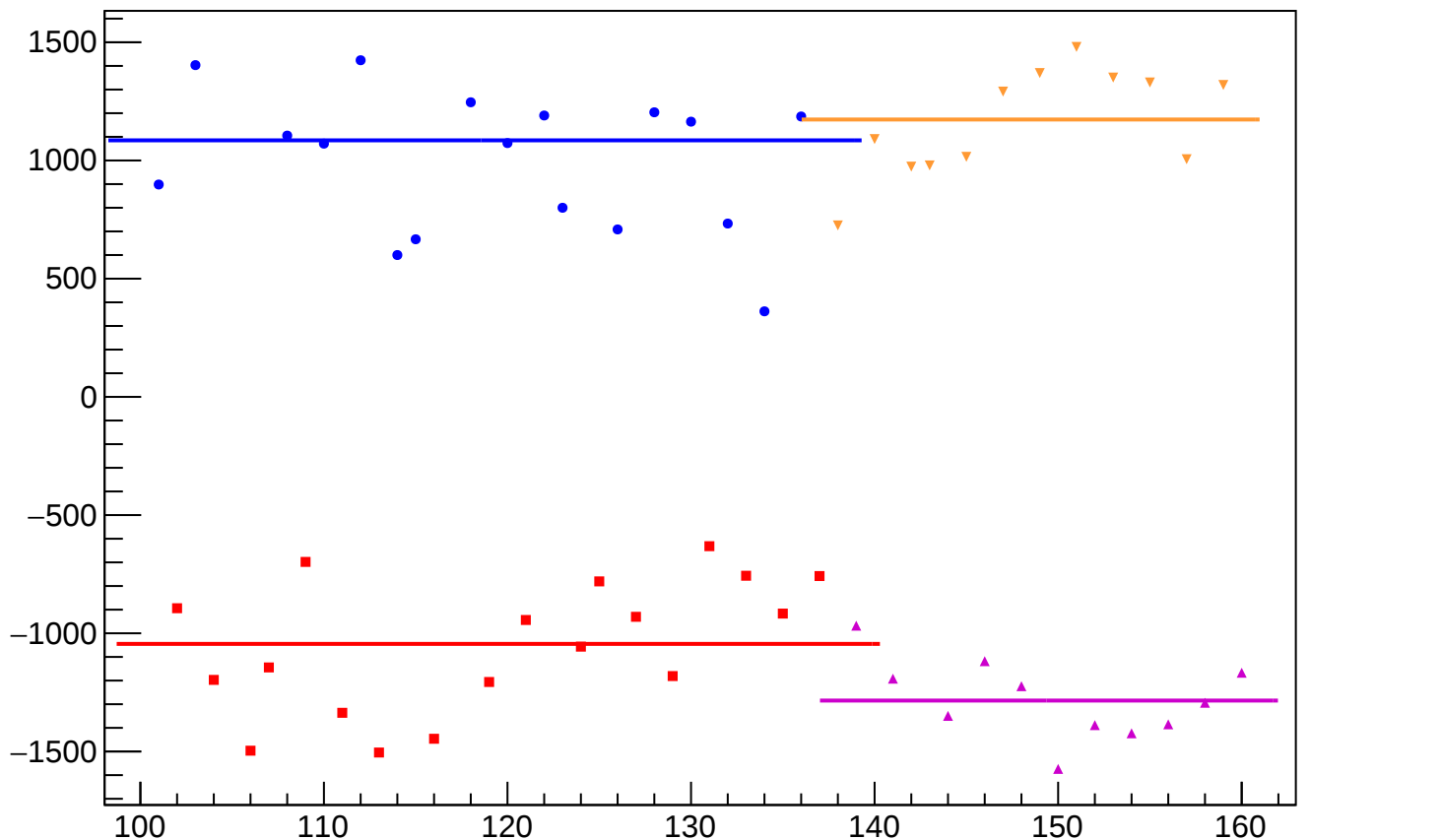
All: 4.137+/-0.000 χ^2/NDF : 85584155447109

dit_sam8_coil4_err_mean vs Slug, Sign Corrected



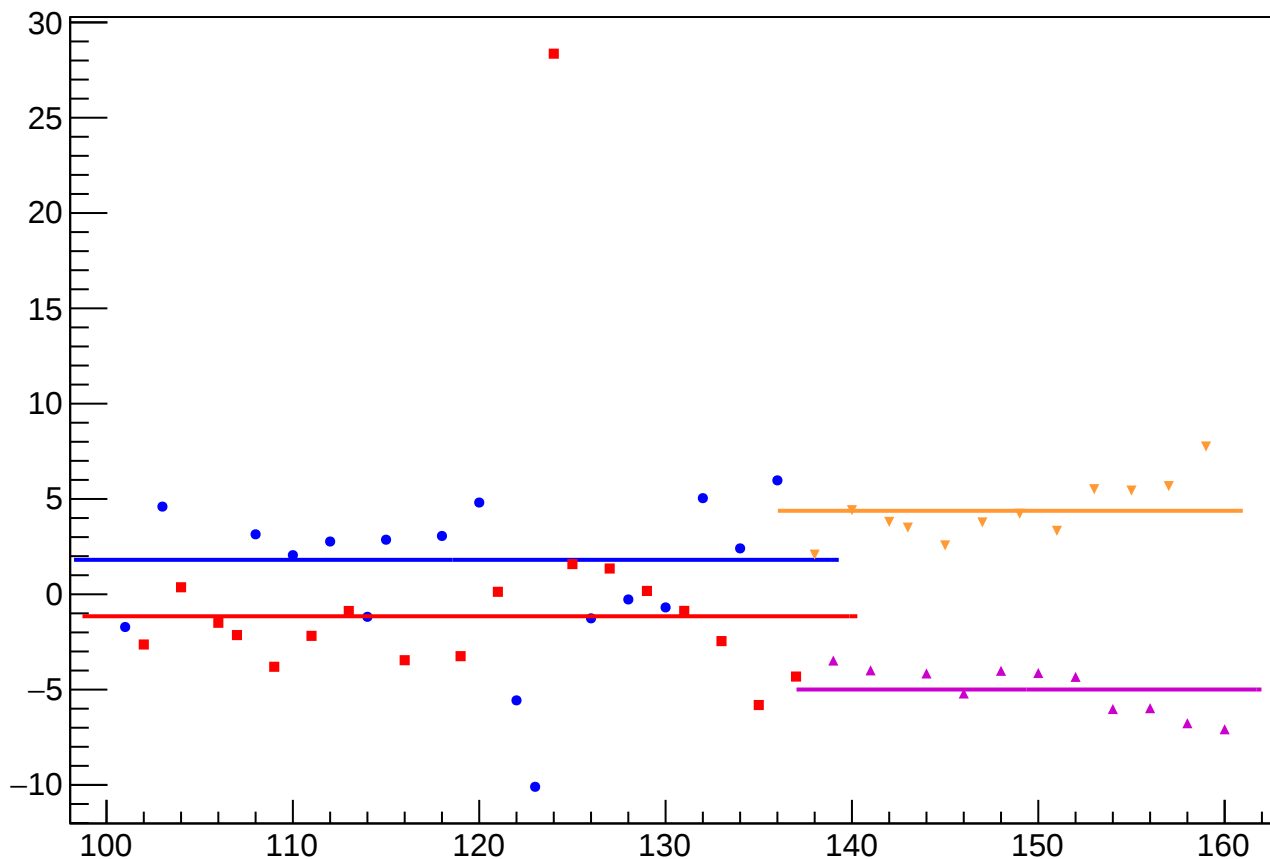
Right In: 112.967 $\pm$ 0.000 χ^2 /NDF: 1352482381635393188272506664826961920.0/16
 Left Out: 134.431 $\pm$ 0.000 χ^2 /NDF: 2310662516274369890170239716283121664.0/11
 Right Out: -105.949 $\pm$ 0.000 χ^2 /NDF: 1242528444706792757388488213889286144.0/17
 Left In: -130.030 $\pm$ 0.000 χ^2 /NDF: 1968681434700847172167982931920289792.0/10
 All: 1.084 $\pm$ 0.000 χ^2 /NDF: 55955139764216

dit_sam8_coil4_Ndata_mean vs Slug, Sign Corrected



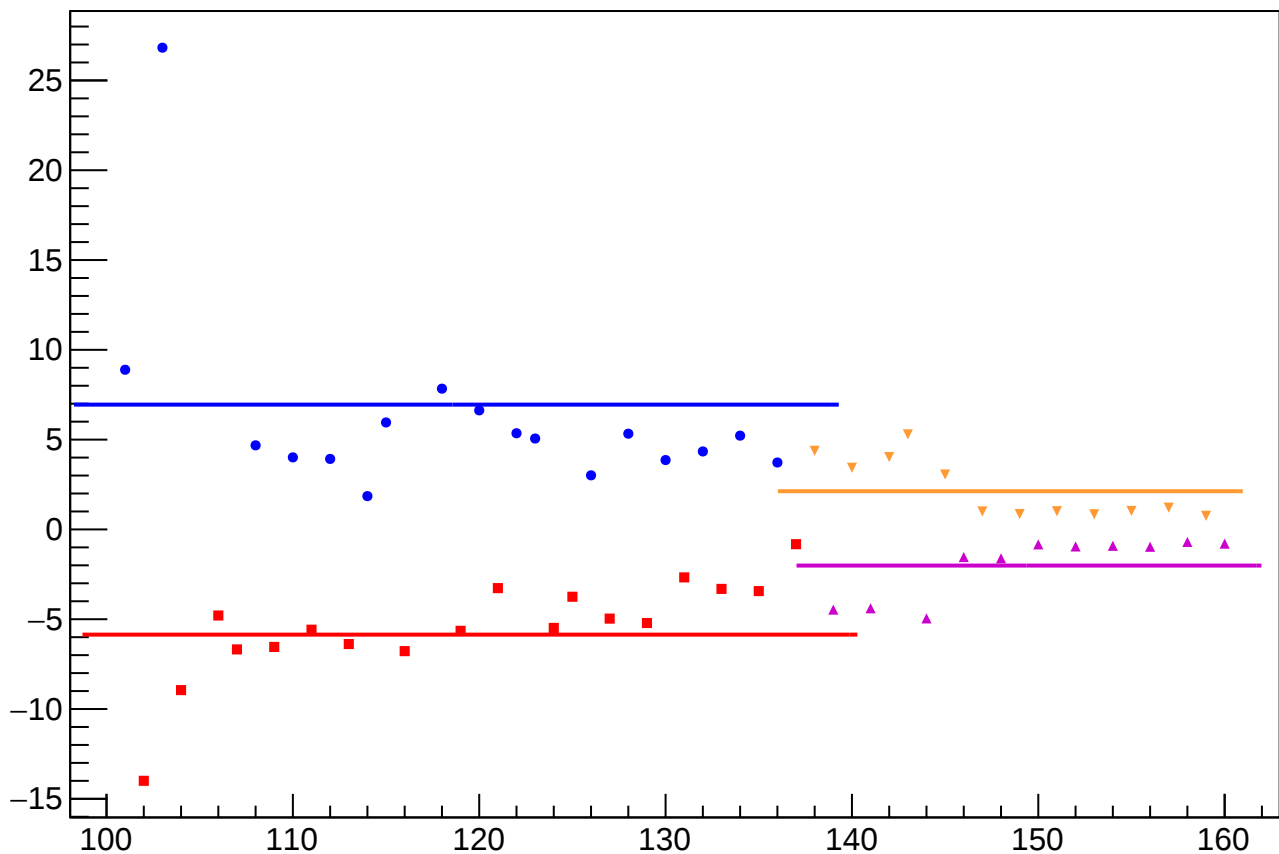
Right In: 1085.186+/-0.000 χ^2/NDF : 44603059371113642027482174752630505472.0/16
 Left Out: 1173.287+/-0.000 χ^2/NDF : 42540290412411971649148526900629471232.0/11
 Right Out: -1044.852+/-0.000 χ^2/NDF : 50845956393664427375382832394046275584.0/17
 Left In: -1284.540+/-0.000 χ^2/NDF : 24056417049221053484728394918859374592.0/10
 All: -38.729+/-0.000 χ^2/NDF : 454584232037

dit_4aX_coil6_mean vs Slug, Sign Corrected



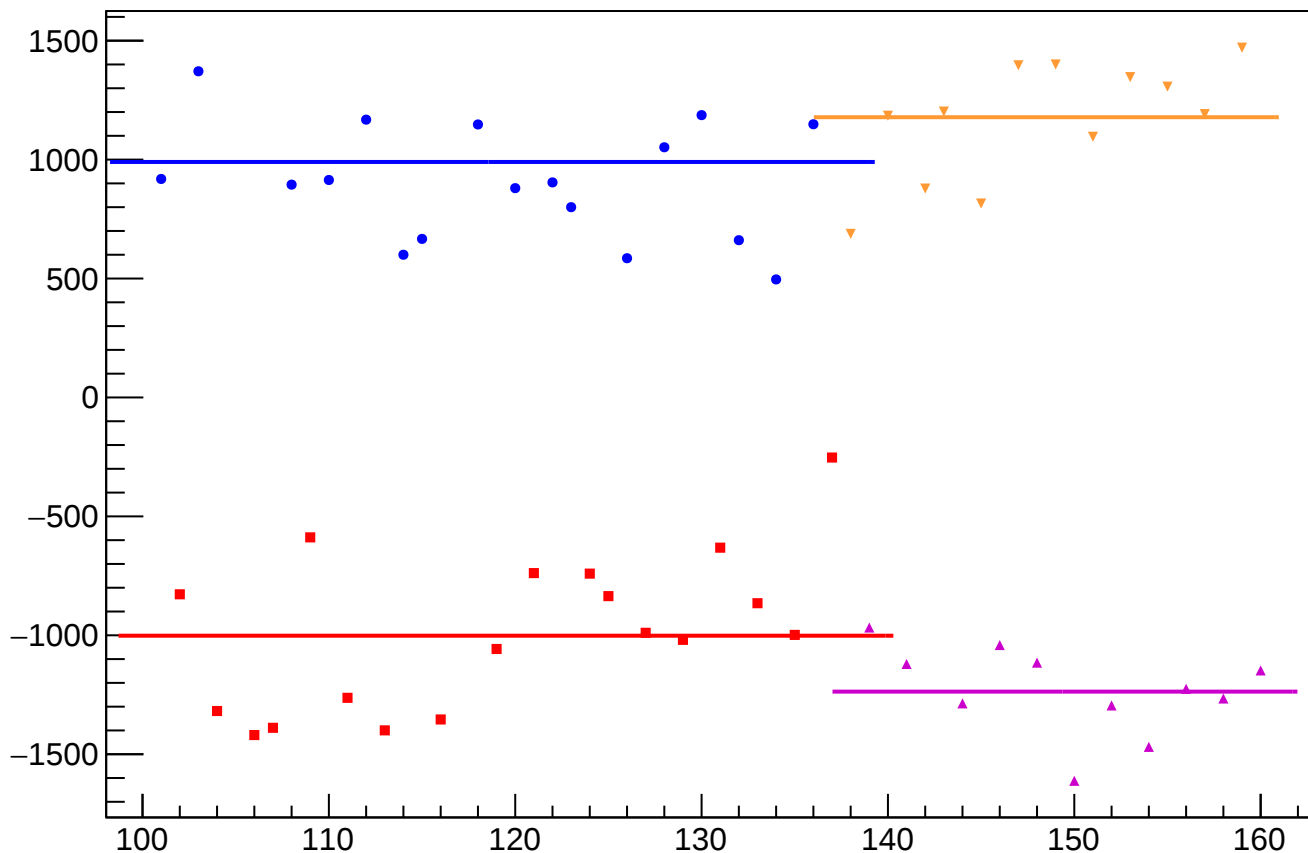
Right In: 1.808 ± 0.000 $\chi^2/\text{NDF}: 7527409924358699638476786257362944.0/16$
 Left Out: 4.381 ± 0.000 $\chi^2/\text{NDF}: 2086443671311525325222433361920.0/11$
 Right Out: -1.152 ± 0.000 $\chi^2/\text{NDF}: 15220659080427743810069153064157184.0/17$
 Left In: -4.995 ± 0.000 $\chi^2/\text{NDF}: 1311384685098121552827321556140032.0/10$
 All: -0.076 ± 0.000 $\chi^2/\text{NDF}: 7006983030788$

dit_4aX_coil6_err_mean vs Slug, Sign Corrected



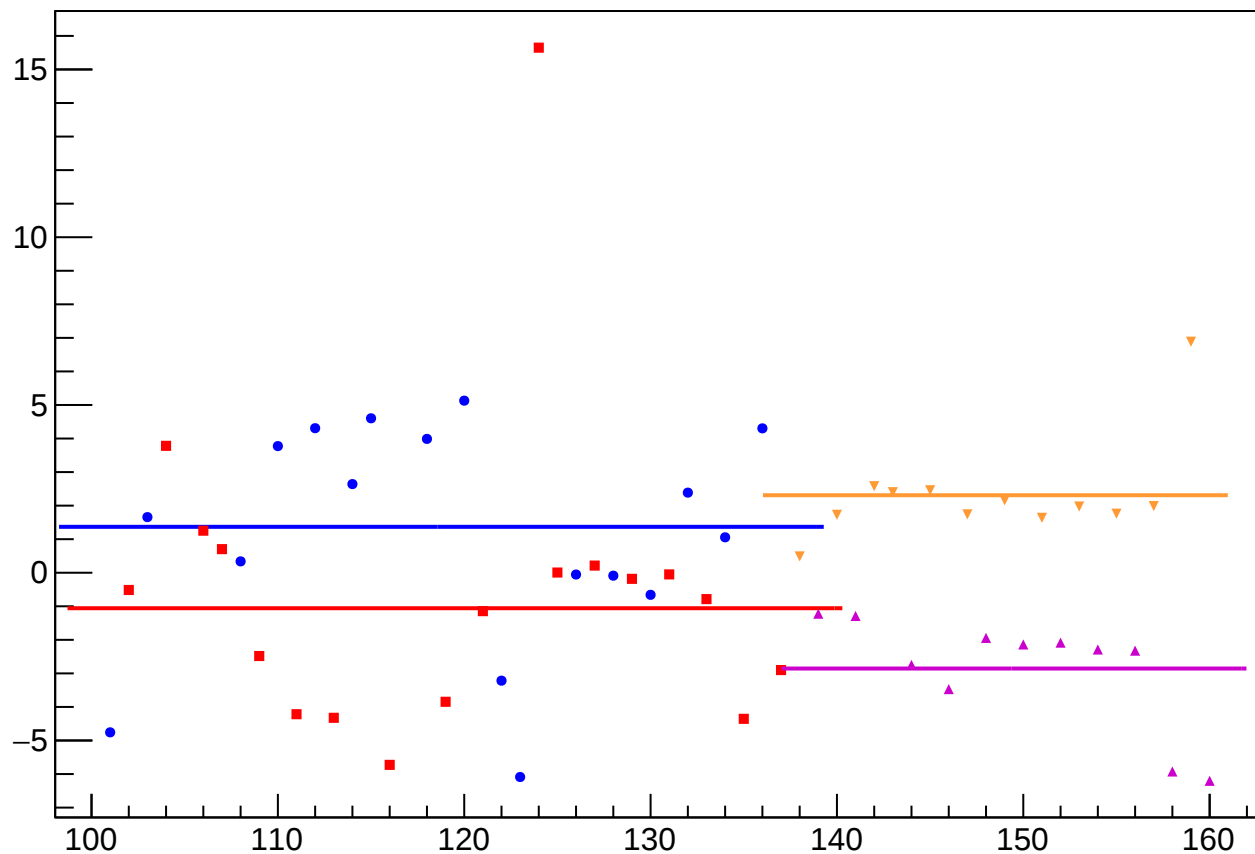
Right In: 6.948 ± 0.000 $\chi^2/\text{NDF}: 27500472377838631302114625925939200.0/16$
 Left Out: 2.128 ± 0.000 $\chi^2/\text{NDF}: 2219193645273984606349154335064064.0/11$
 Right Out: -5.858 ± 0.000 $\chi^2/\text{NDF}: 6347530911749266996807271930920960.0/17$
 Left In: -2.012 ± 0.000 $\chi^2/\text{NDF}: 2455587486650389464574895818014720.0/10$
 All: 0.212 ± 0.000 $\chi^2/\text{NDF}: 10431206184614$

dit_4aX_coil6_Ndata_mean vs Slug, Sign Corrected



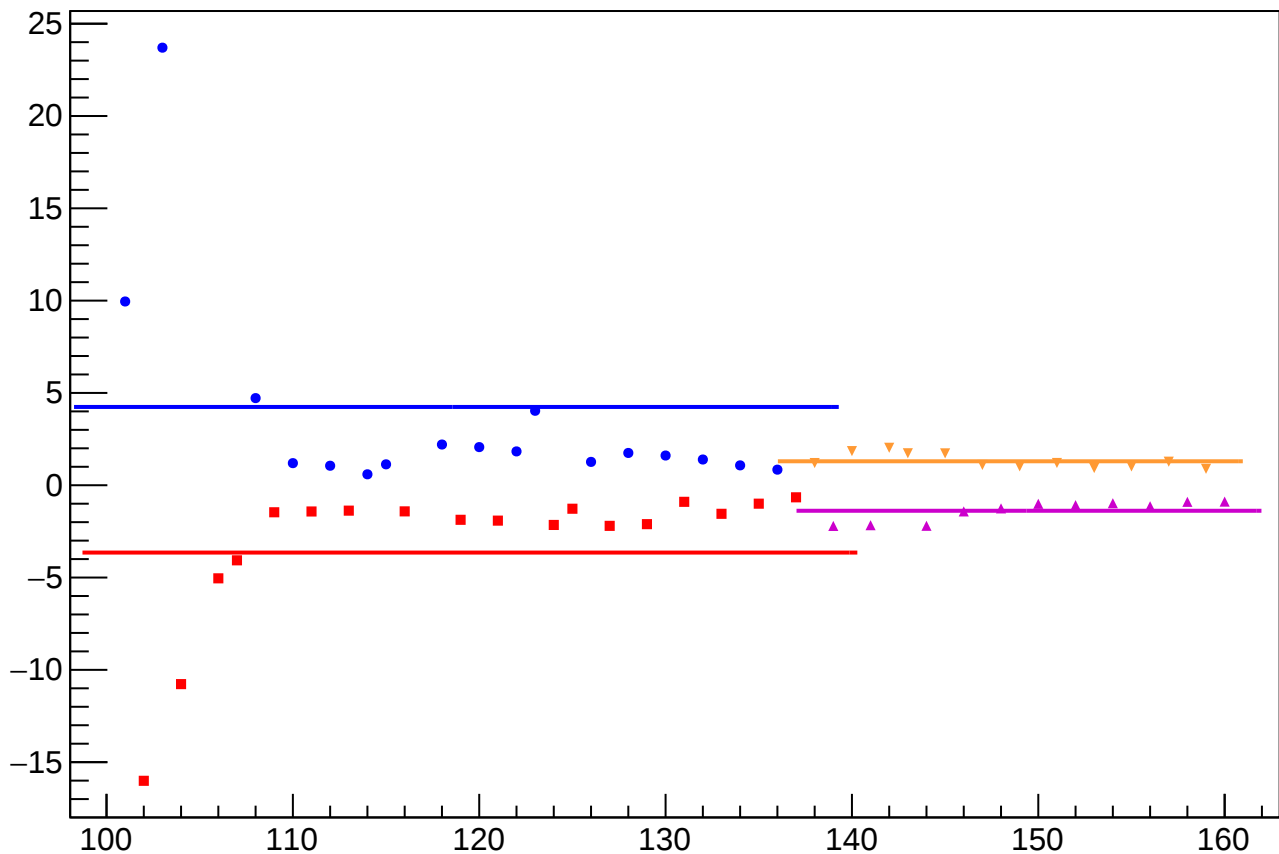
Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_4eX_coil6_mean vs Slug, Sign Corrected



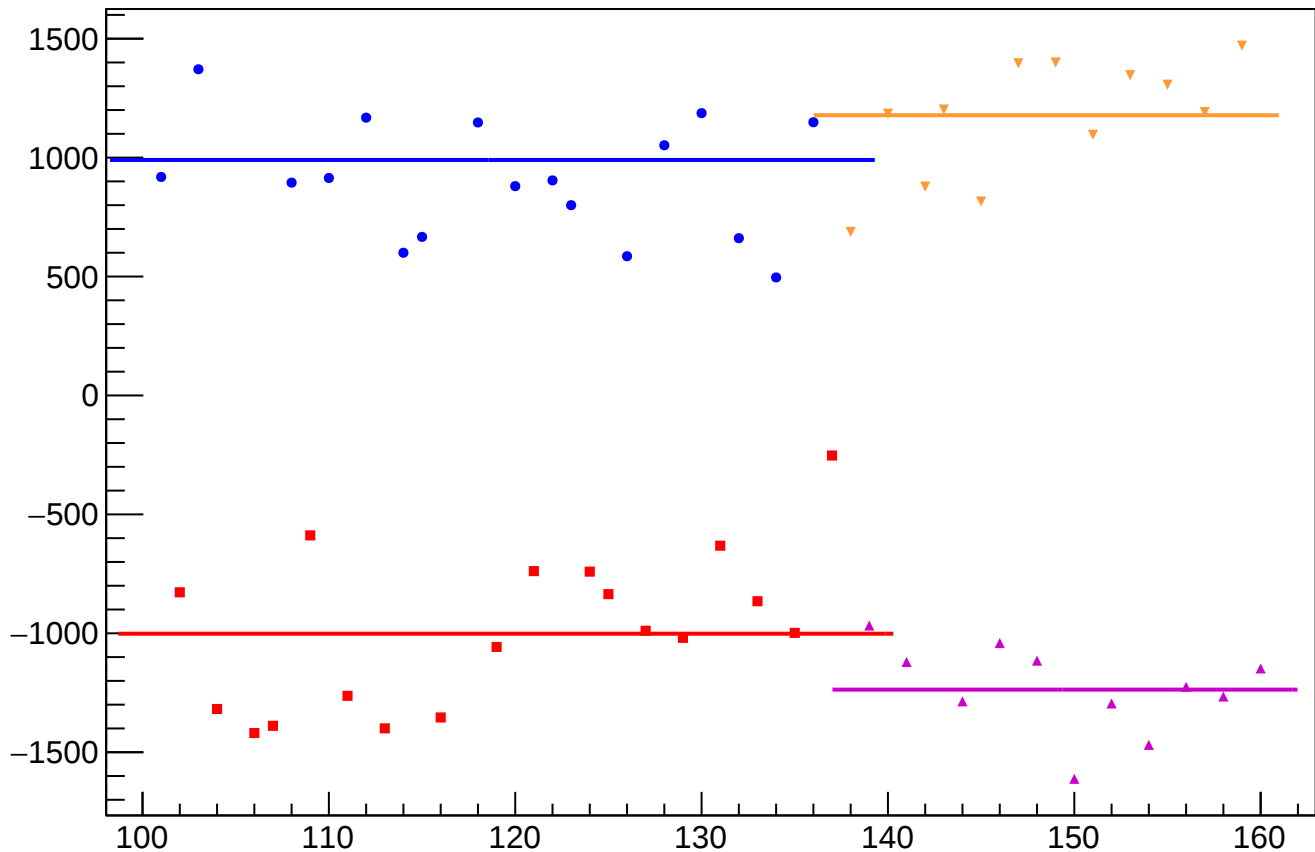
Left: -0.306 ± 0.000 χ^2/NDF : 16725822551046735
 Right In: 1.369 ± 0.000 χ^2/NDF : 6191636339009546001582067680280576.0/16
 Right: 0.137 ± 0.000 χ^2/NDF : 16434126943440004
 Left Out: 2.311 ± 0.000 χ^2/NDF : 2071801880392961895564472831967232.0/11
 In: -1.053 ± 0.000 χ^2/NDF : 156593787937301094
 Right Out: -1.058 ± 0.000 χ^2/NDF : 8169457084716591134016374239657984.0/17
 Out: 0.828 ± 0.000 χ^2/NDF : 147817012086563648
 Left In: -2.855 ± 0.000 χ^2/NDF : 2369235409930855719380632706482176.0/10
 All: -0.114 ± 0.000 χ^2/NDF : 3331669789306

dit_4eX_coil6_err_mean vs Slug, Sign Corrected



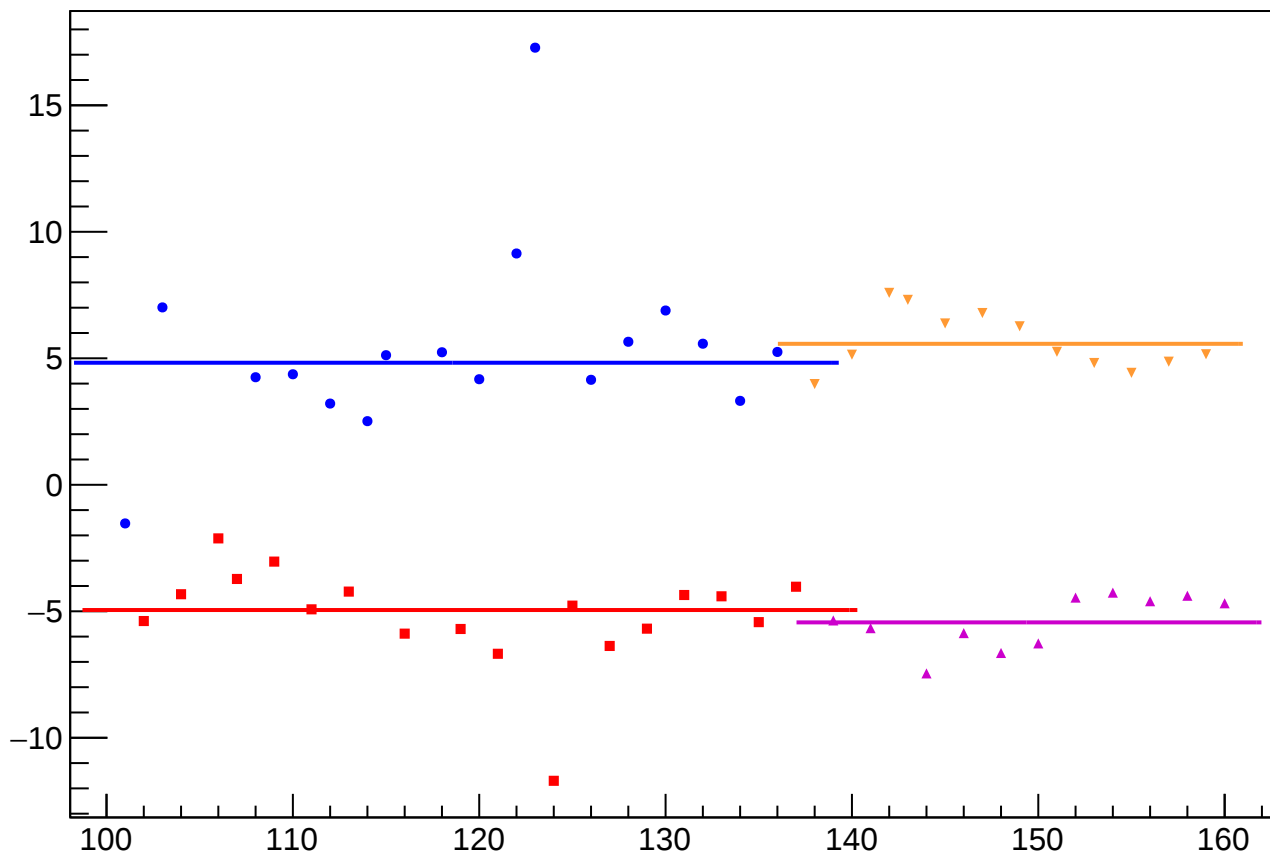
Right In: 4.241 ± 0.000 χ^2/NDF : 28619887598660619239245868781535232.0/16
 Left Out: 1.298 ± 0.000 χ^2/NDF : 118446025514580512304684144263168.0/11
 Right Out: -3.647 ± 0.000 χ^2/NDF : 14024721044013316870032890924105728.0/17
 Left In: -1.383 ± 0.000 χ^2/NDF : 247273414234626472508051064619008.0/10
 All: 0.069 ± 0.000 χ^2/NDF : 68299772952141

dit_4eX_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_11X12X_coil6_mean vs Slug, Sign Corrected



Left: -0.005 +/- 0.000 χ^2/NDF : 57809229757761740

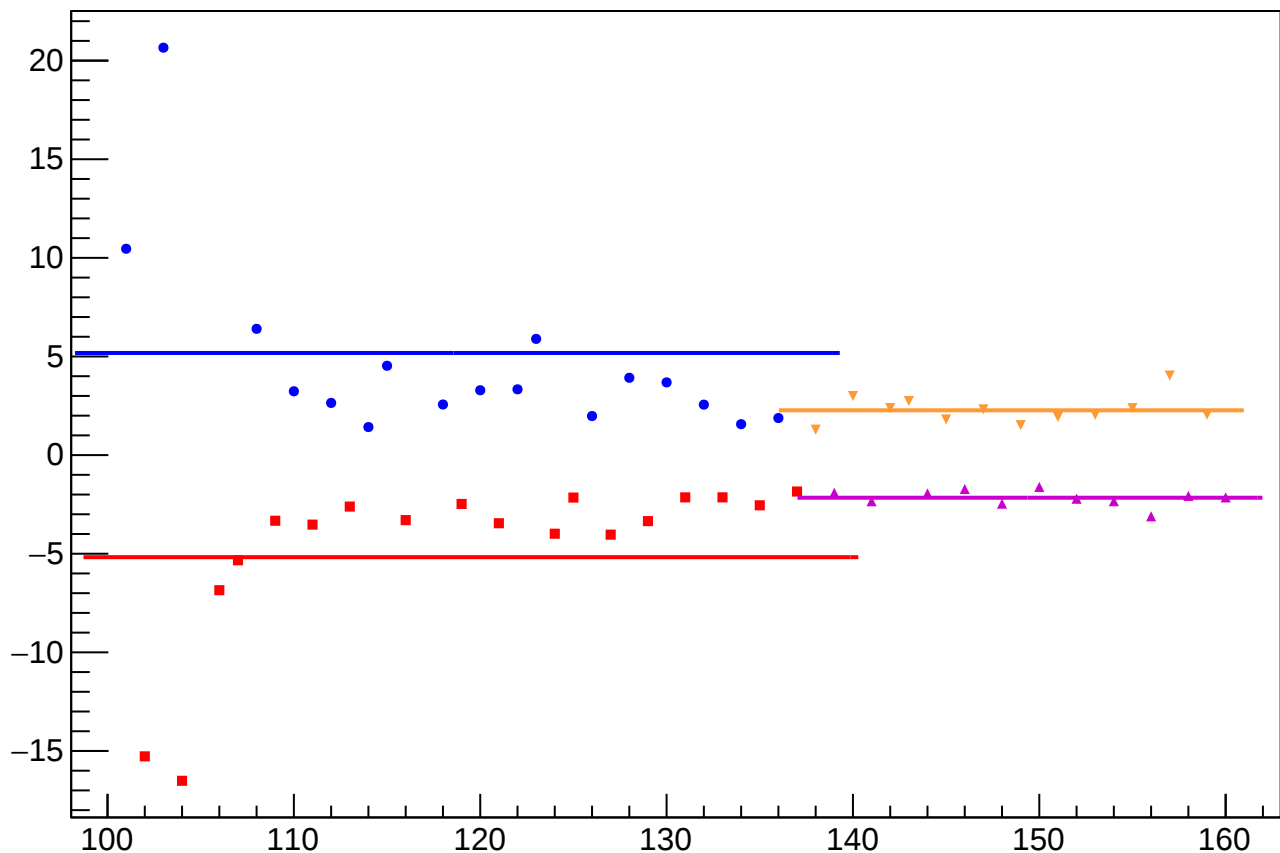
Right: -0.136 +/- 0.000 χ^2/NDF : 3981401538460137

In: -1.061 +/- 0.000 χ^2/NDF : 475387196018274355

Out: 0.940 +/- 0.000 χ^2/NDF : 468450835425449454

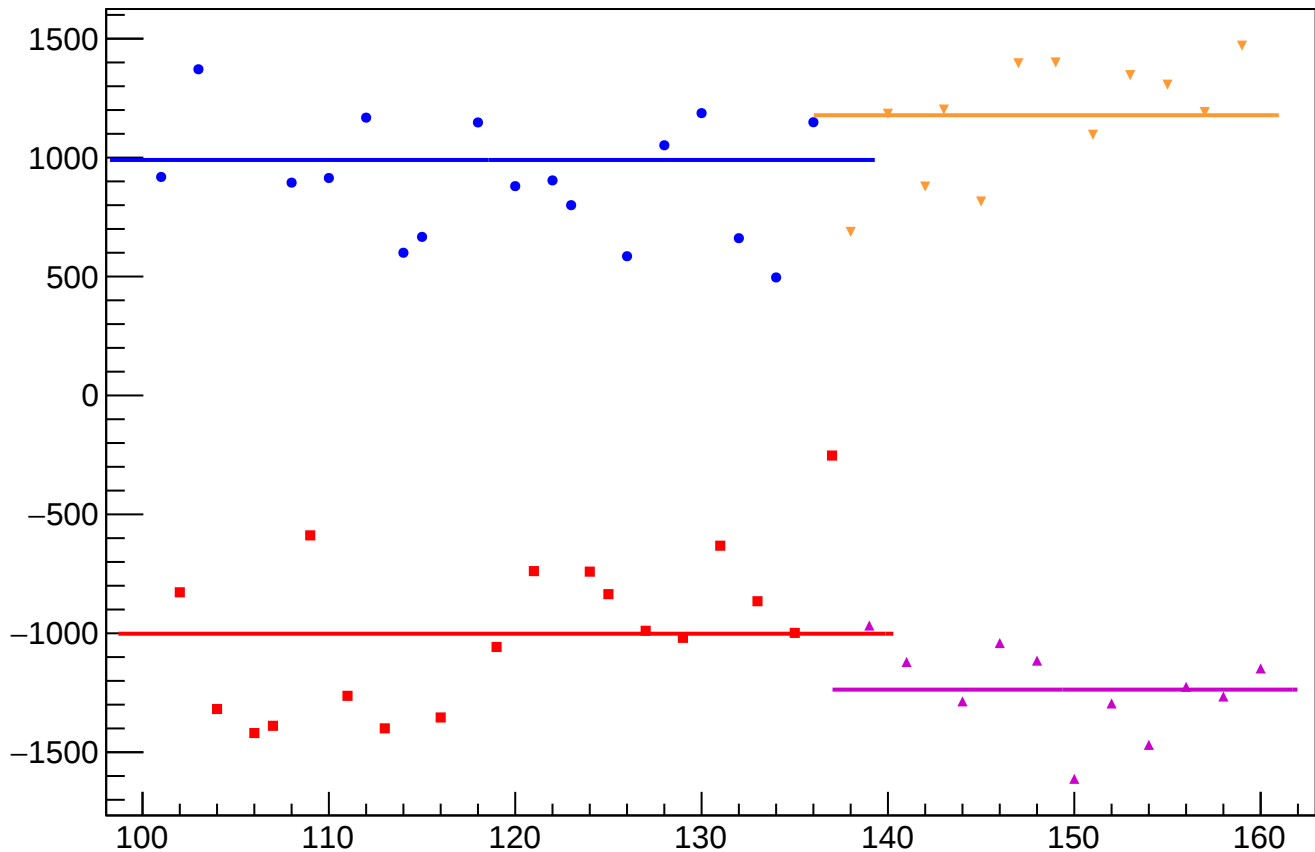
All: -0.061 +/- 0.000 χ^2/NDF : 9763689586043

dit_11X12X_coil6_err_mean vs Slug, Sign Corrected



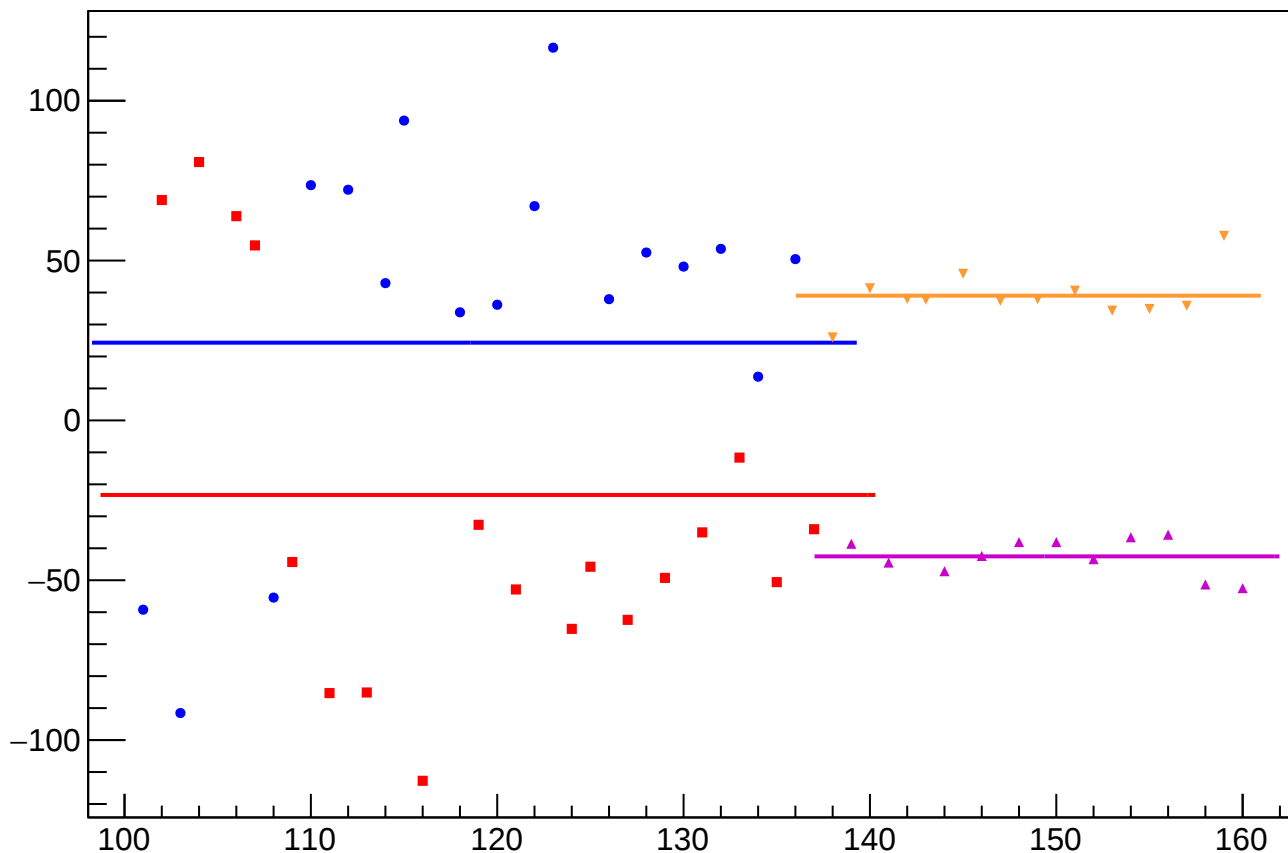
Right In: 5.179+/-0.000 χ^2/NDF : 19215970923479019199836696755568640.0/16
 Left Out: 2.271+/-0.000 χ^2/NDF : 445973362143922999565724801826816.0/11
 Right Out: -5.175+/-0.000 χ^2/NDF : 15553868406688086696237036103270400.0/17
 Left In: -2.161+/-0.000 χ^2/NDF : 138371088754302765080927377817600.0/10
 All: -0.018+/-0.000 χ^2/NDF : 8216013484871

dit_11X12X_coil6_Ndata_mean vs Slug, Sign Corrected



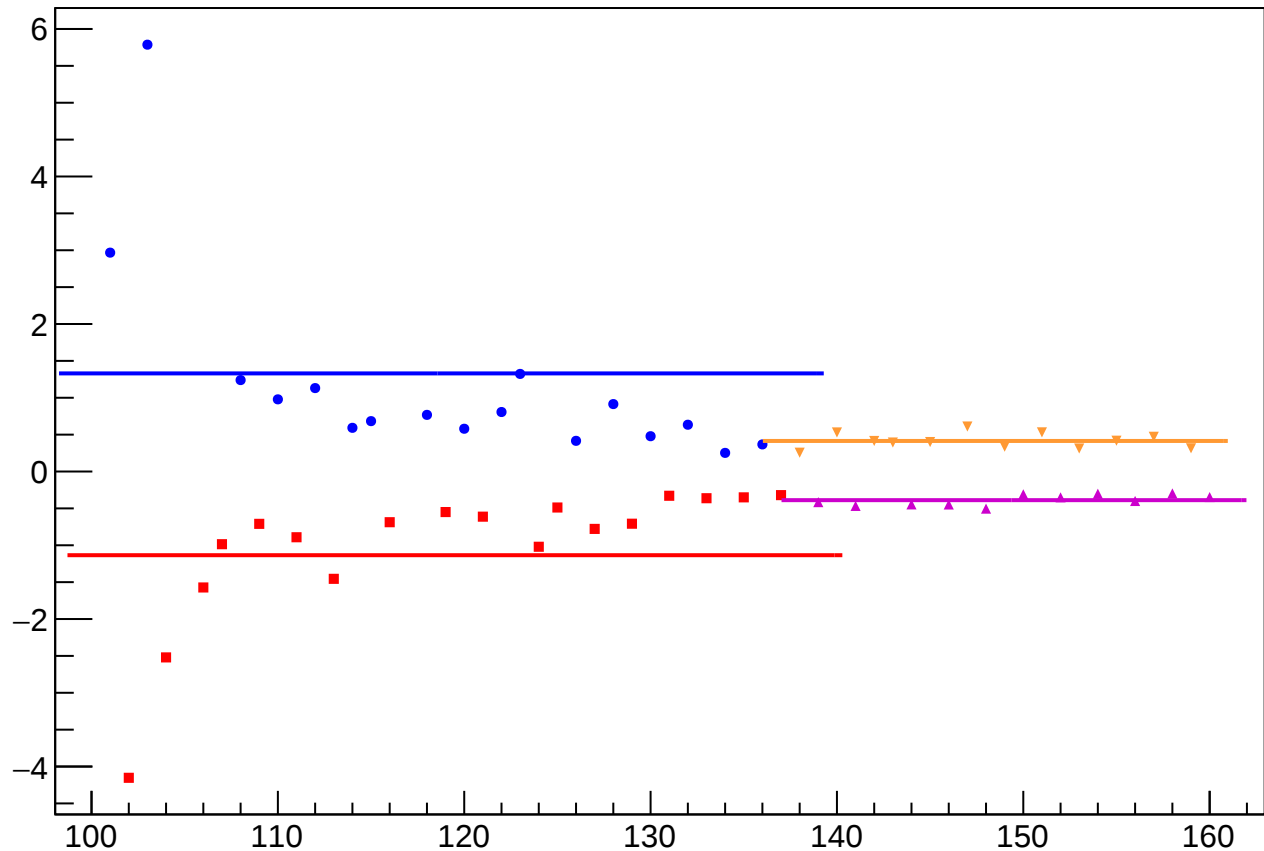
Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_4aY_coil6_mean vs Slug, Sign Corrected



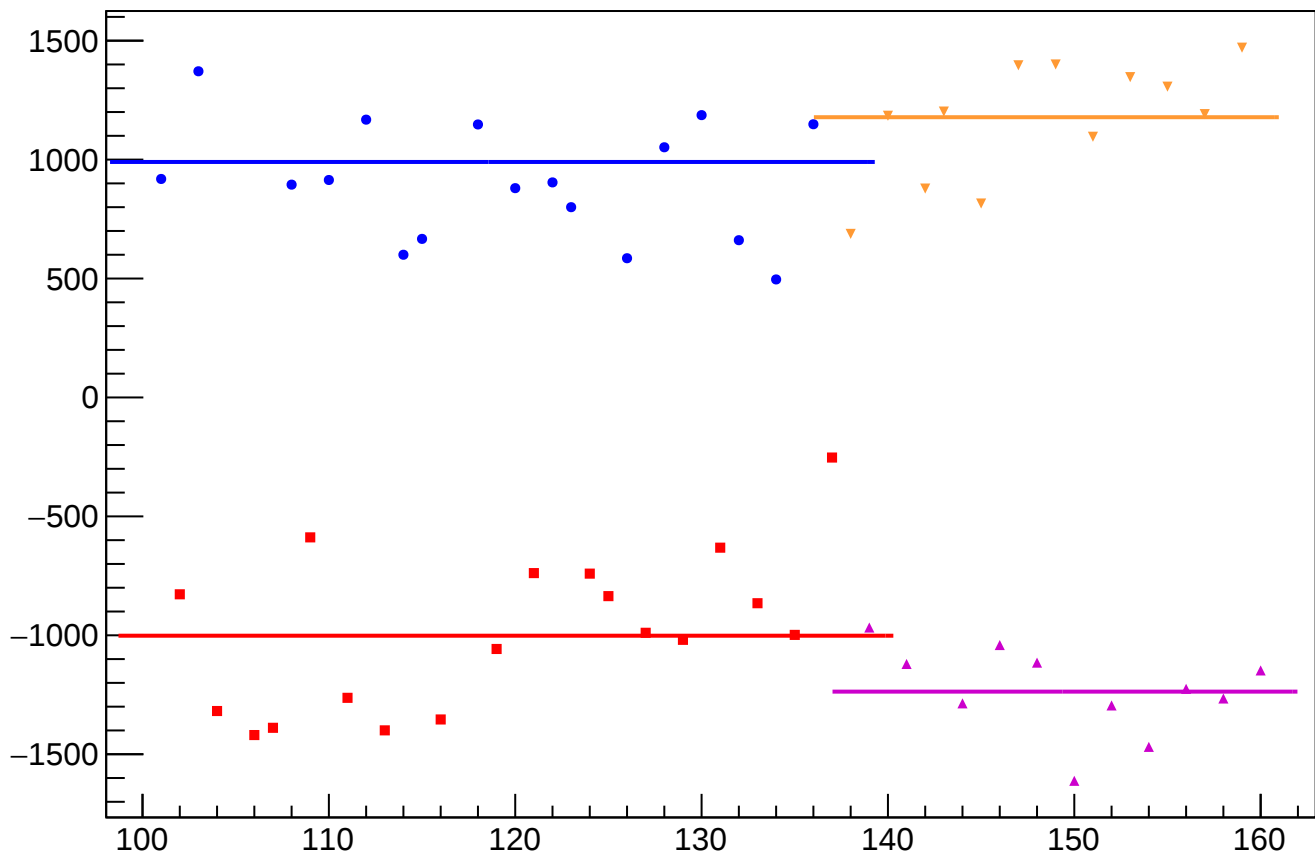
Right In: 24.318 ± 0.000 $\chi^2/\text{NDF}: 2002814634195538334157710520710332416.0/16$
 Left Out: 39.019 ± 0.000 $\chi^2/\text{NDF}: 50102899546886796047994324336508928.0/11$
 Right Out: -23.323 ± 0.000 $\chi^2/\text{NDF}: 2300287491781415748029178925971144704.0/17$
 Left In: -42.534 ± 0.000 $\chi^2/\text{NDF}: 28373028064789967113556541703192576.0/10$
 All: -1.235 ± 0.000 $\chi^2/\text{NDF}: 8247869405695$

dit_4aY_coil6_err_mean vs Slug, Sign Corrected



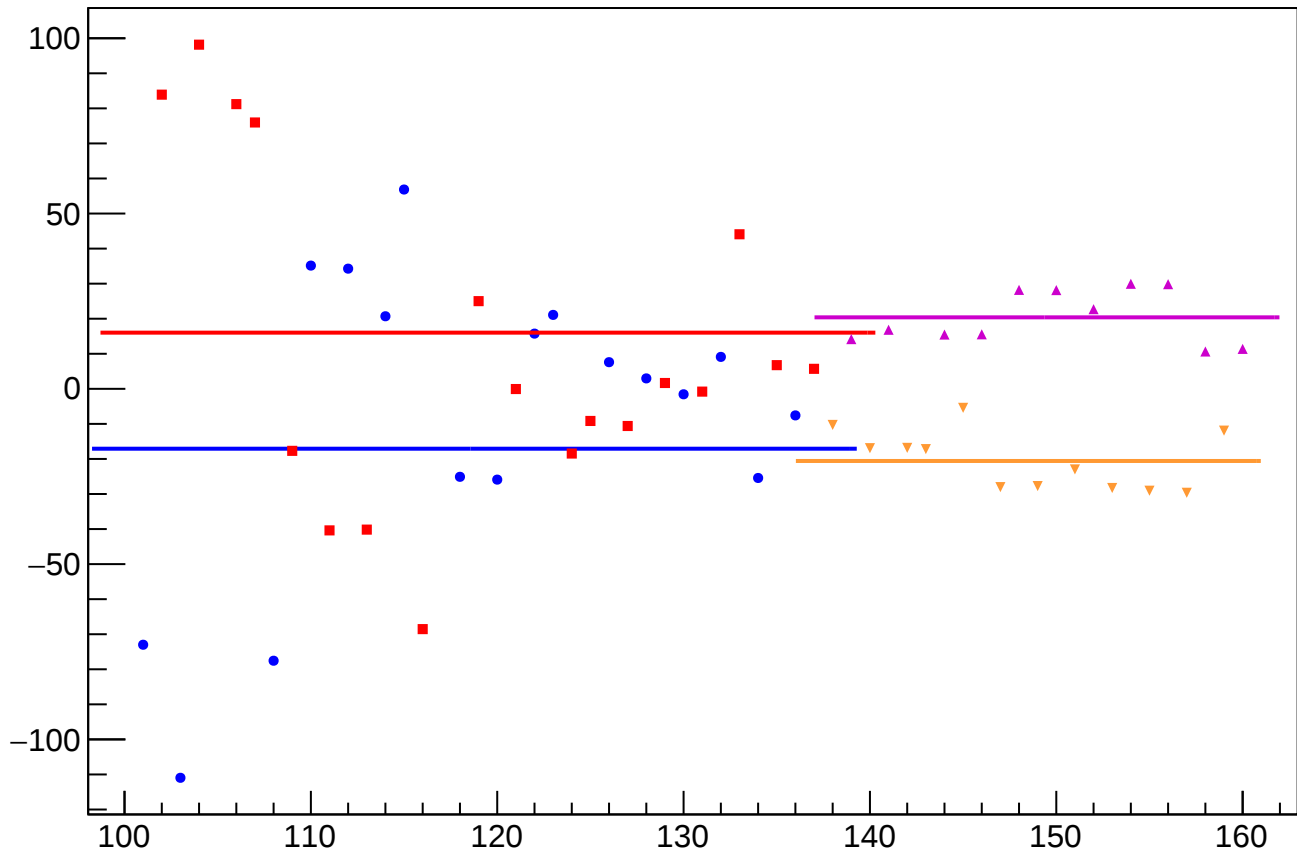
Right In: 1.330 $\pm$ 0.000 χ^2 /NDF: 1603106167275520107151234942631936.0/16
 Left Out: 0.414 $\pm$ 0.000 χ^2 /NDF: 9567880309690591091908795170816.0/11
 Right Out: -1.135 $\pm$ 0.000 χ^2 /NDF: 803137408294494563054397652205568.0/17
 Left In: -0.388 $\pm$ 0.000 χ^2 /NDF: 4478292013674144747987763462144.0/10
 All: 0.039 $\pm$ 0.000 χ^2 /NDF: 48607412454167

dit_4aY_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_4eY_coil6_mean vs Slug, Sign Corrected



Right In: -17.080 $\pm$ 0.000

Left Out: -20.578 $\pm$ 0.000

Right Out: 16.026 $\pm$ 0.000

Left In: 20.391 $\pm$ 0.000

χ^2 /NDF: 1305852396524110552444351569704517632.0/16

χ^2 /NDF: 60639888412264927004894637808680960.0/11

χ^2 /NDF: 1544075638091019901834252047429402624.0/17

χ^2 /NDF: 49123532237880600080923761508876288.0/10

Left: 0.173 $\pm$ 0.000 χ^2 /NDF: 882578196183851559

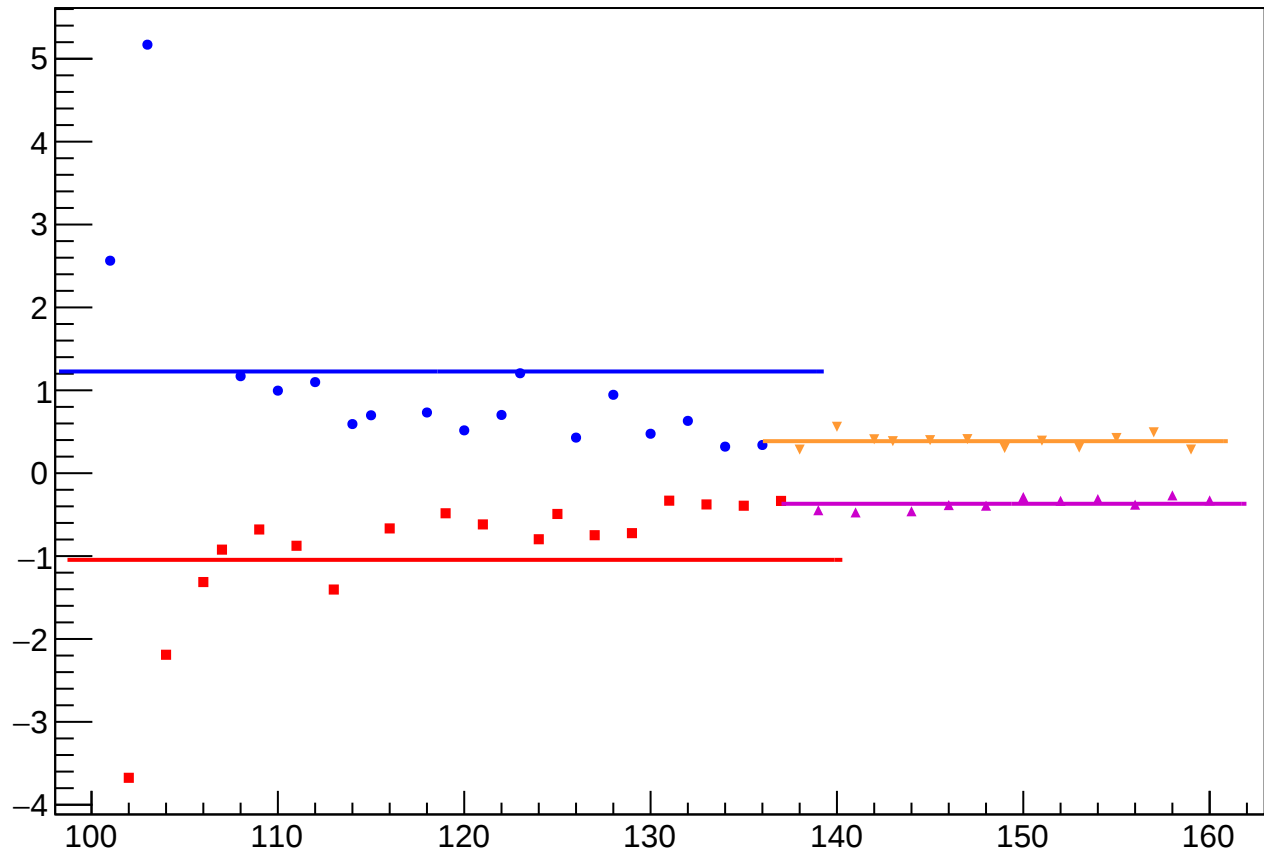
Right: -0.280 $\pm$ 0.000 χ^2 /NDF: 3235905793745171

In: 4.408 $\pm$ 0.000 χ^2 /NDF: 1913755264371690539

Out: -4.462 $\pm$ 0.000 χ^2 /NDF: 21409436551720281

All: -0.023 $\pm$ 0.000 χ^2 /NDF: 4118648127034

dit_4eY_coil6_err_mean vs Slug, Sign Corrected



Right In: 1.227 $\pm$ 0.000

χ^2 /NDF: 1236268785411842731770087408140288.0/16

Left Out: 0.386 $\pm$ 0.000

χ^2 /NDF: 6218656899307774549221745623040.0/11

Right Out: -1.045 $\pm$ 0.000

χ^2 /NDF: 600057841416365938926945245855744.0/17

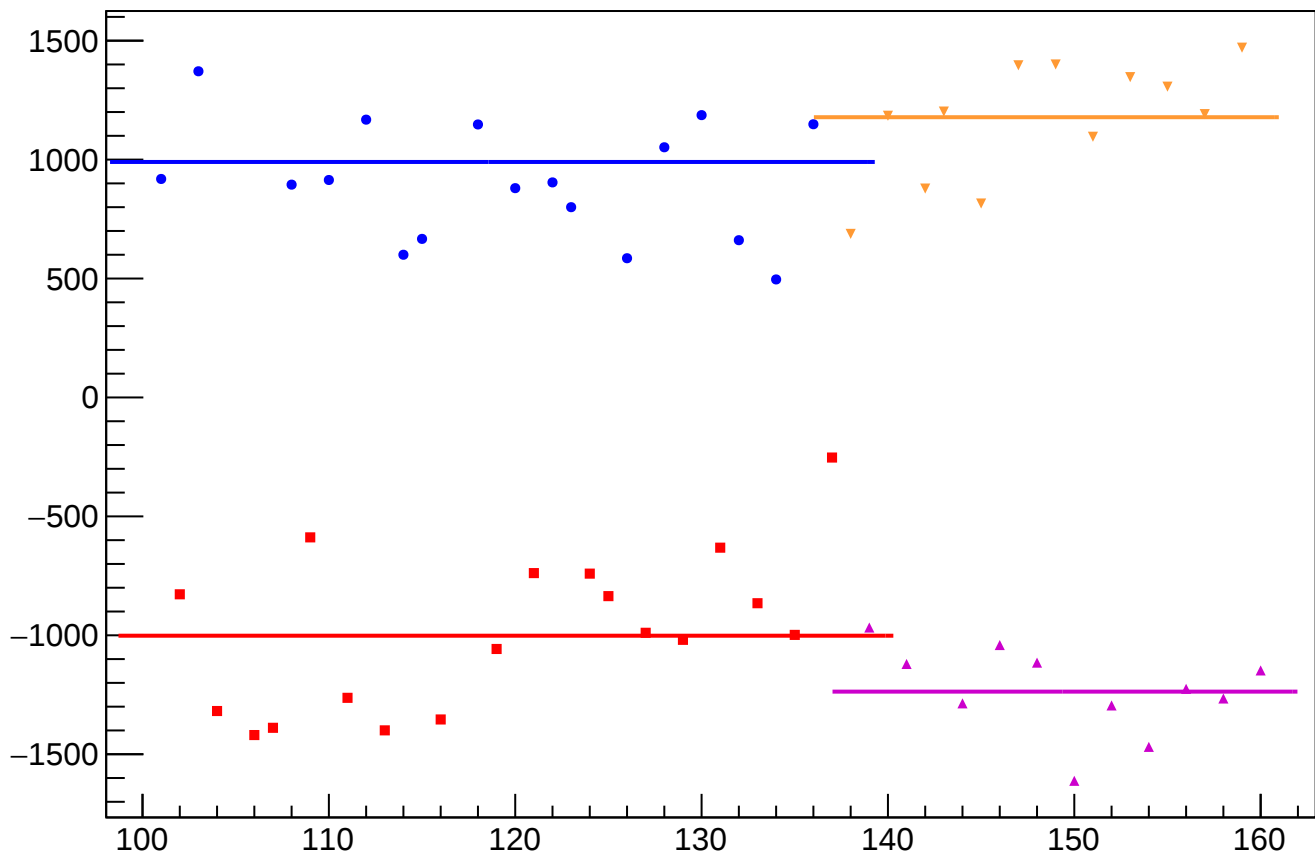
Left In: -0.369 $\pm$ 0.000

χ^2 /NDF: 4180194840459374093507993010176.0/10

All: 0.034 $\pm$ 0.000

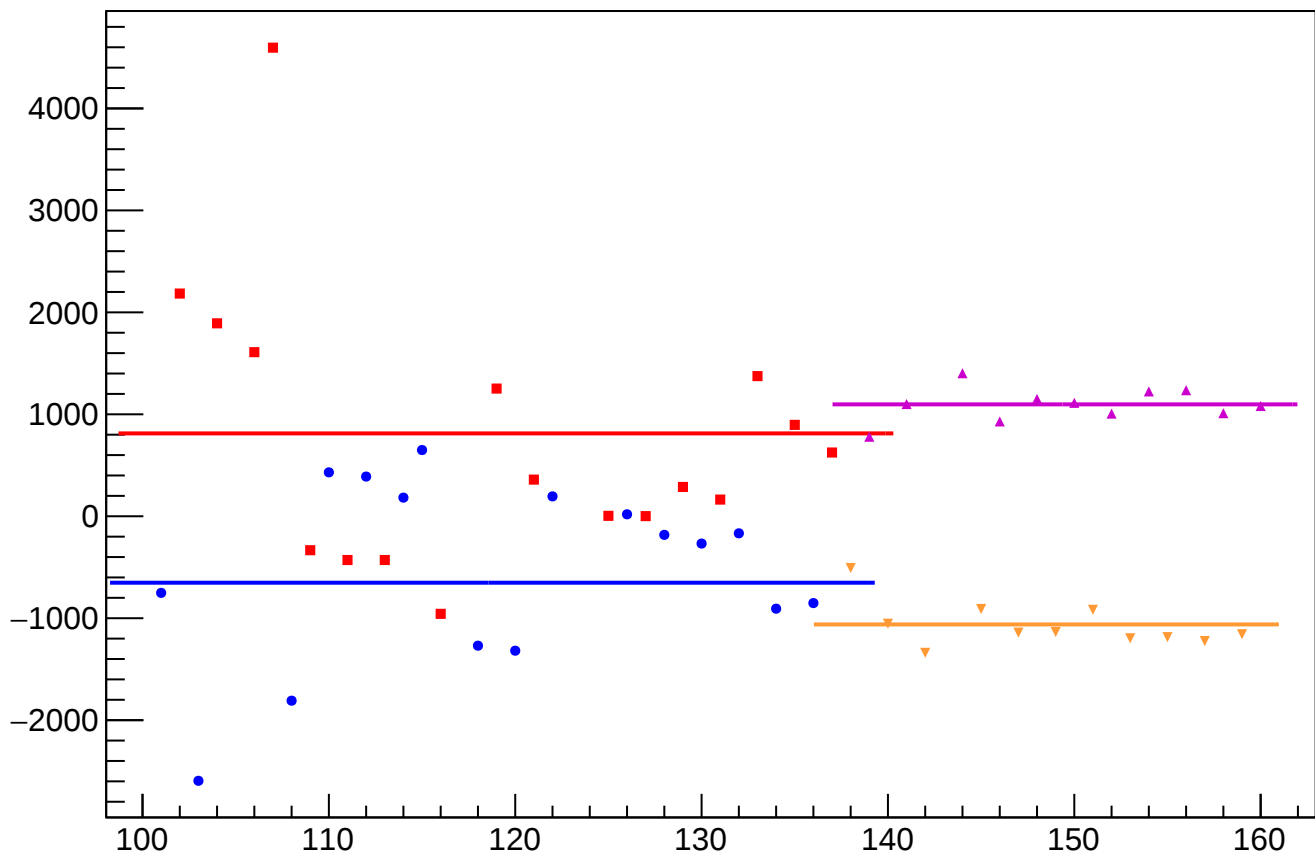
χ^2 /NDF: 39322772320005

dit_4eY_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 990.104 $\pm$ 0.000 χ^2 /NDF: 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253 $\pm$ 0.000 χ^2 /NDF: 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684 $\pm$ 0.000 χ^2 /NDF: 61351571695254109773751672489010790400.0/17
 Left In: -1236.792 $\pm$ 0.000 χ^2 /NDF: 30308096320717107629965970940123676672.0/10
 All: -34.441 $\pm$ 0.000 χ^2 /NDF: 426372184117

dit_usl_coil6_mean vs Slug, Sign Corrected



Right In: -651.720 +/- 0.000

χ^2/NDF : 515253429514141170908240824492993019904.0/15

Left Out: -1060.938 +/- 0.000

χ^2/NDF : 37316934369897173476470226506953523200.0/10

Right Out: 812.763 +/- 0.000

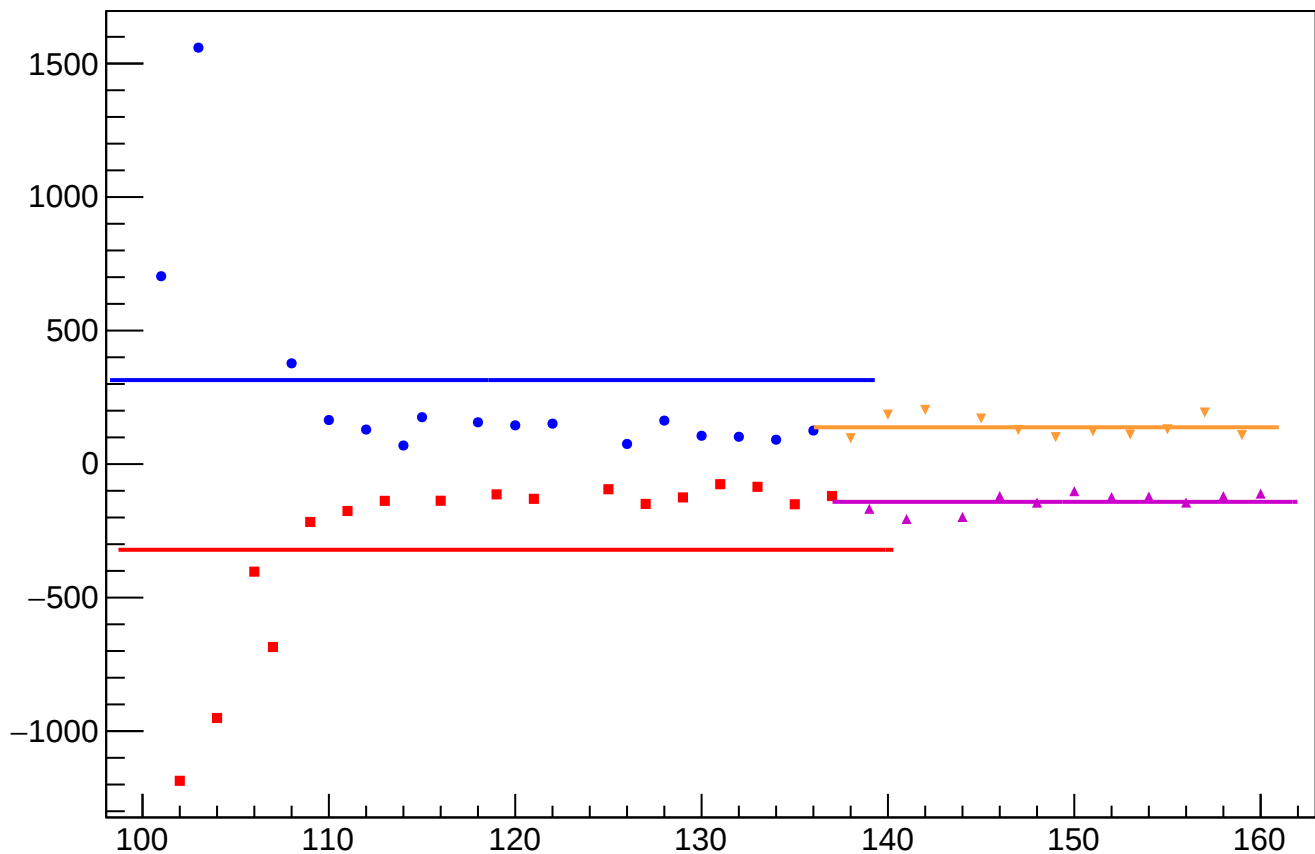
χ^2/NDF : 1101460876390641458322598423370785619968.0/16

Left In: 1097.494 +/- 0.000

χ^2/NDF : 23351400853511431173682229401488457728.0/10

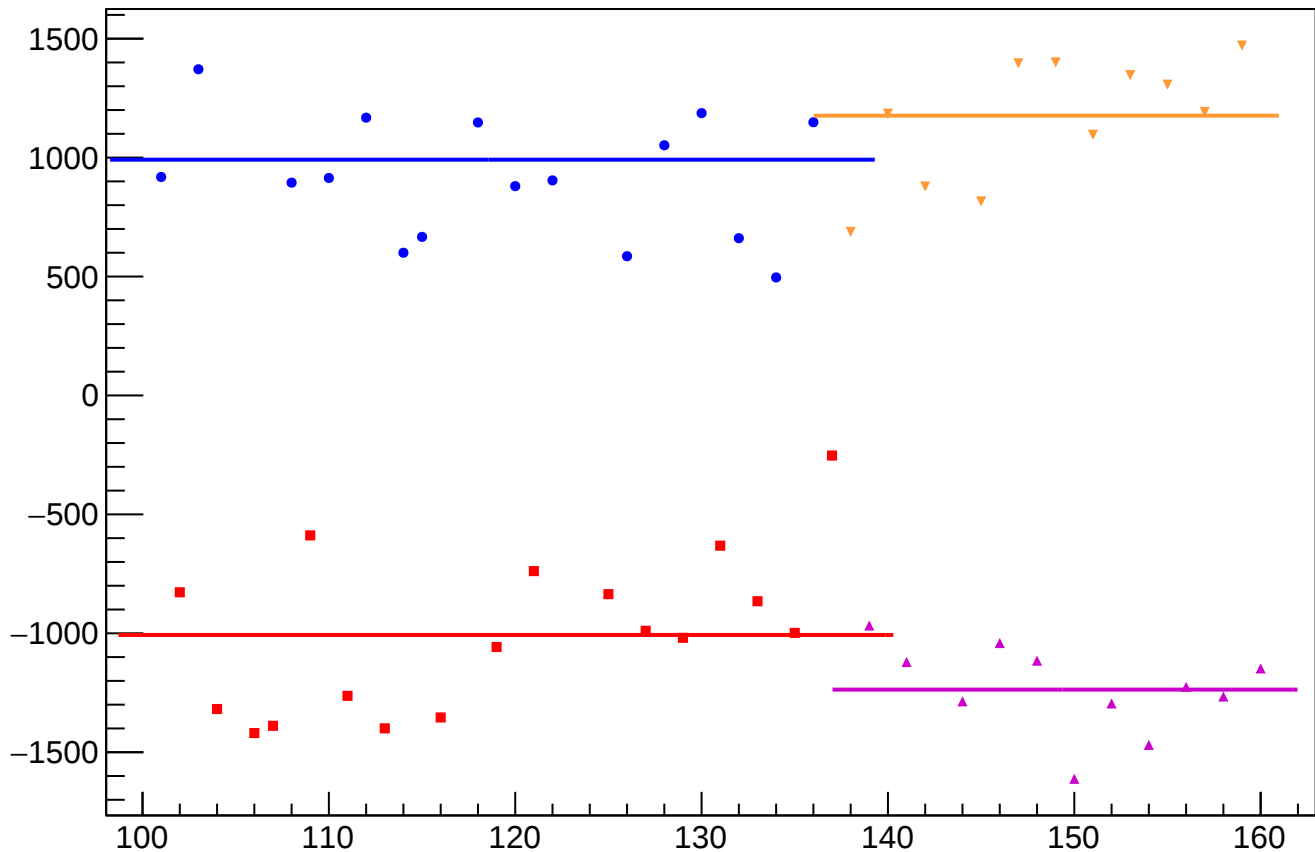
All: 79.189 +/- 0.000 χ^2/NDF : 4485206924735

dit_usl_coil6_err_mean vs Slug, Sign Corrected



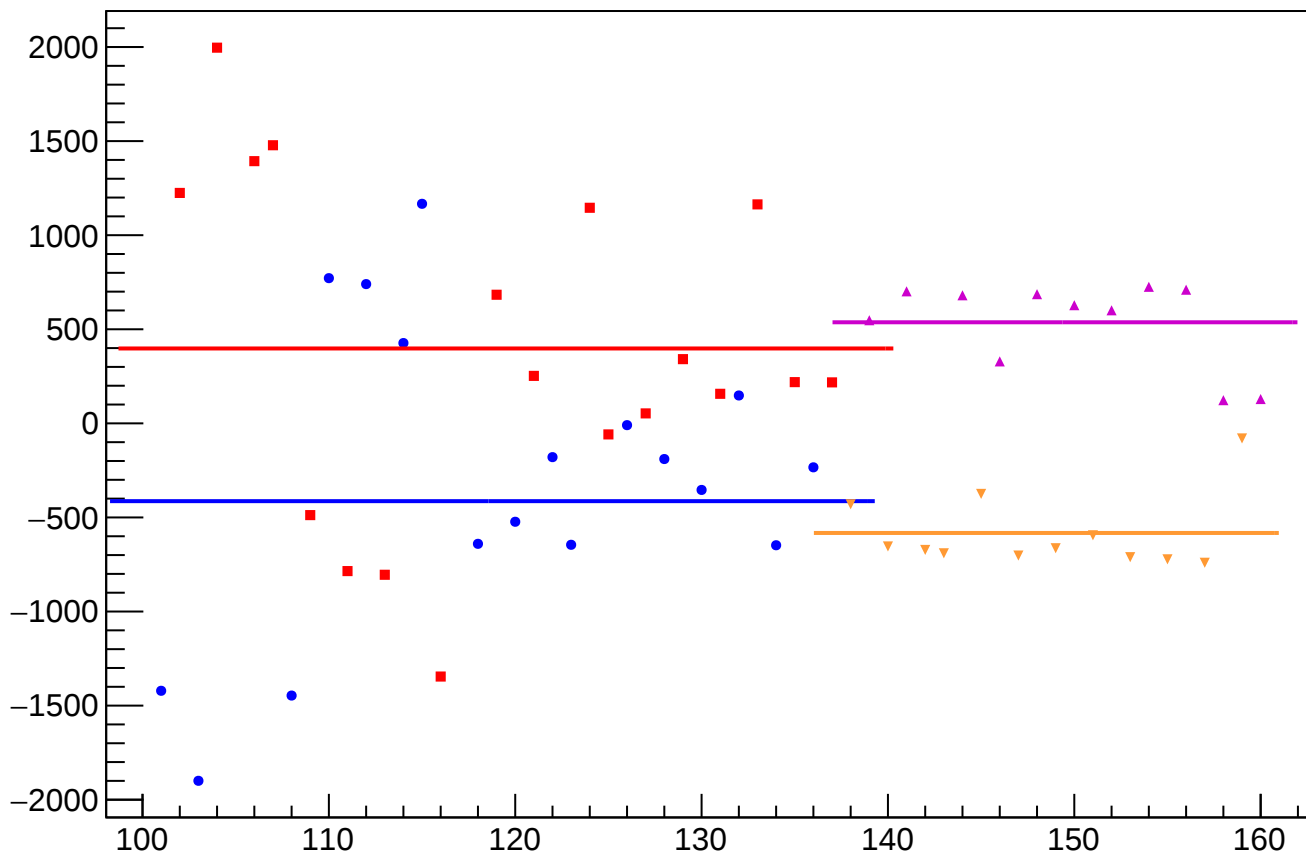
Right In: 314.545 +/- 0.000 χ^2/NDF : 119237374869722274381627978354572394496.0/15
 Left Out: 137.826 +/- 0.000 χ^2/NDF : 1094456190127485878958561813734621184.0/10
 Right Out: -320.904 +/- 0.000 χ^2/NDF : 87674109079535670450798871539758399488.0/16
 Left In: -141.362 +/- 0.000 χ^2/NDF : 1055012585821780249716984846873526272.0/10
 All: -7.504 +/- 0.000 χ^2/NDF : 3839775082009

dit_usl_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 991.206+/-0.000 χ^2/NDF : 36748853080147814133782972147039207424.0/15
 Left Out: 1176.365+/-0.000 χ^2/NDF : 52126967778678264824660469189129011200.0/10
 Right Out: -1006.896+/-0.000 χ^2/NDF : 60379057385364851969891575322776698880.0/16
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -58.538+/-0.000 χ^2/NDF : 414968863069

dit_usr_coil6_mean vs Slug, Sign Corrected



Right In: -413.418+/-0.000

χ^2/NDF : 416661262936725907024907175037323182080.0/16

Left Out: -582.459+/-0.000

χ^2/NDF : 33467960128357815096221409884680224768.0/11

Right Out: 397.961+/-0.000

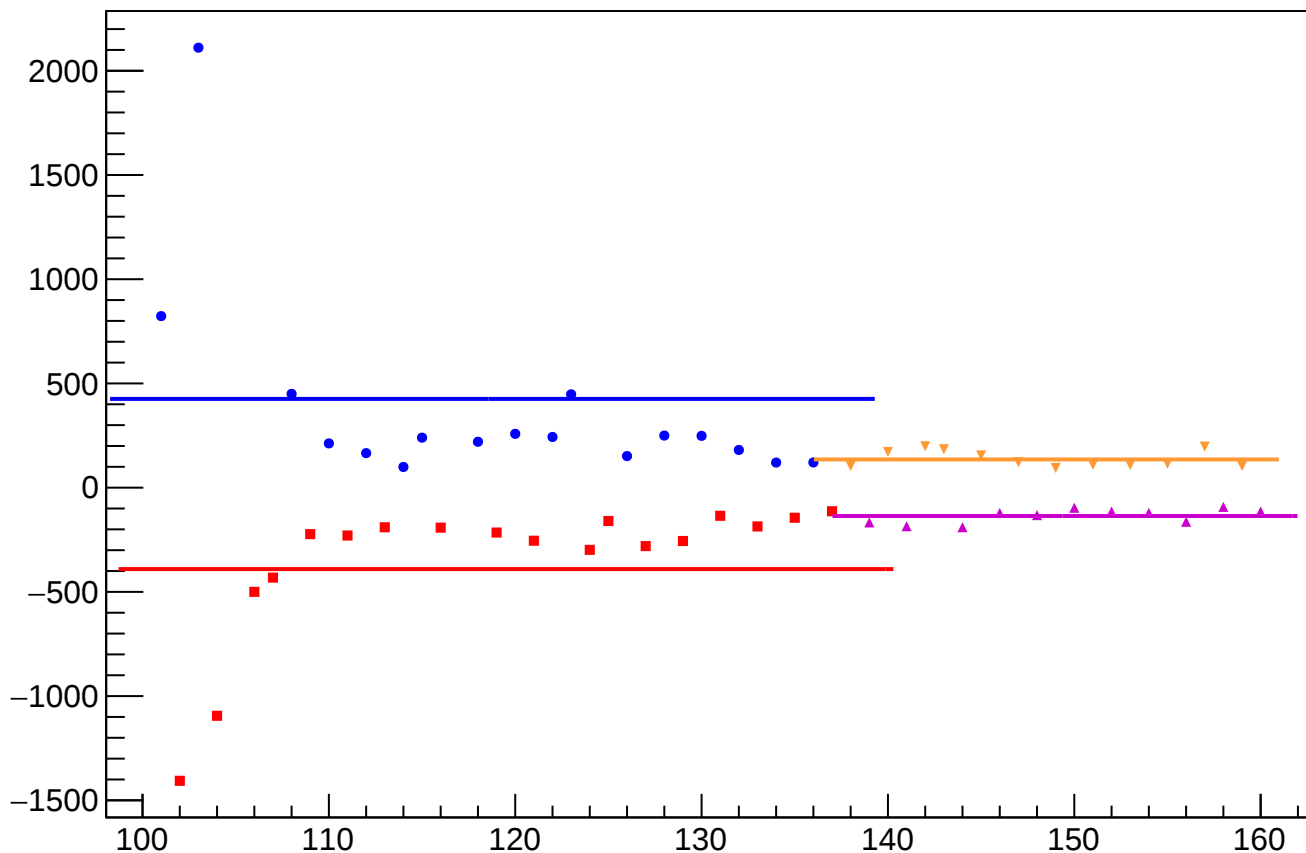
χ^2/NDF : 544622124437292502497528454351499034624.0/17

Left In: 537.163+/-0.000

χ^2/NDF : 43957458836517899124048676659035897856.0/10

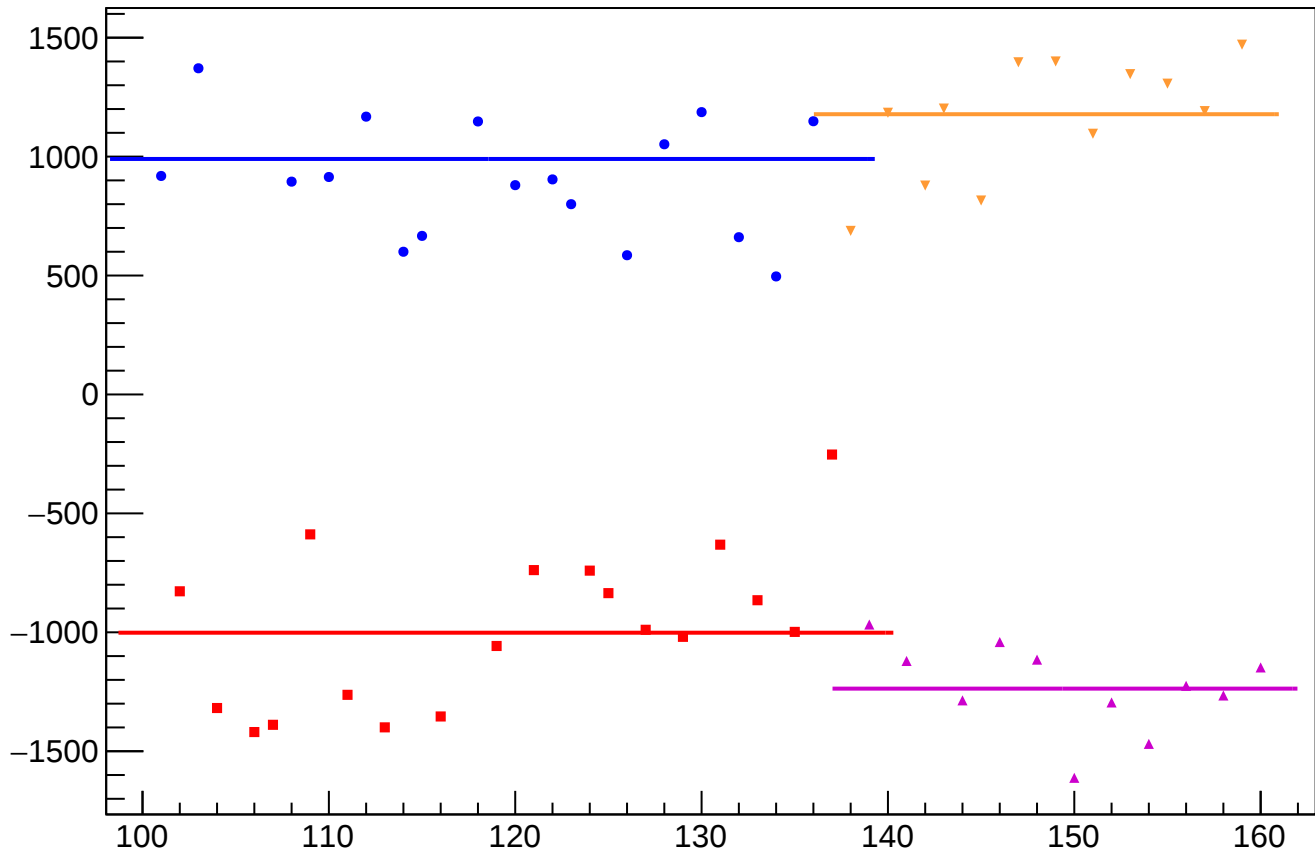
All: -9.429+/-0.000 χ^2/NDF : 1847867869270

dit_usr_coil6_err_mean vs Slug, Sign Corrected



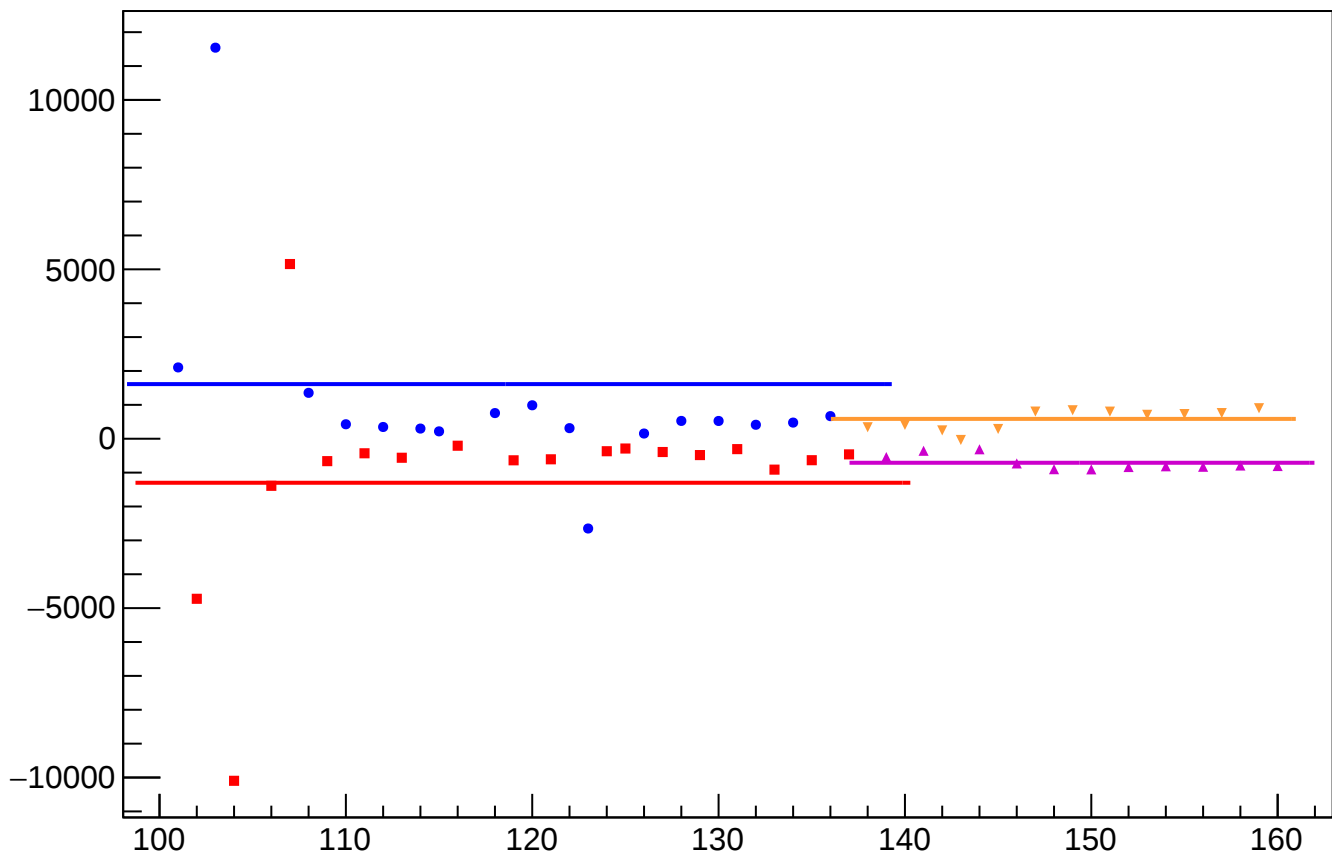
Right In: 425.847+/-0.000 χ^2/NDF : 207036344088227618256858466697210757120.0/16
 Left Out: 135.302+/-0.000 χ^2/NDF : 1213972117724638790045949459626459136.0/11
 Right Out: -390.709+/-0.000 χ^2/NDF : 105177402148385851360915440950786916352.0/17
 Left In: -135.877+/-0.000 χ^2/NDF : 1013407653524592727671386529217904640.0/10
 All: 3.814+/-0.000 χ^2/NDF : 58326132779015

dit_usr_coil6_Ndata_mean vs Slug, Sign Corrected



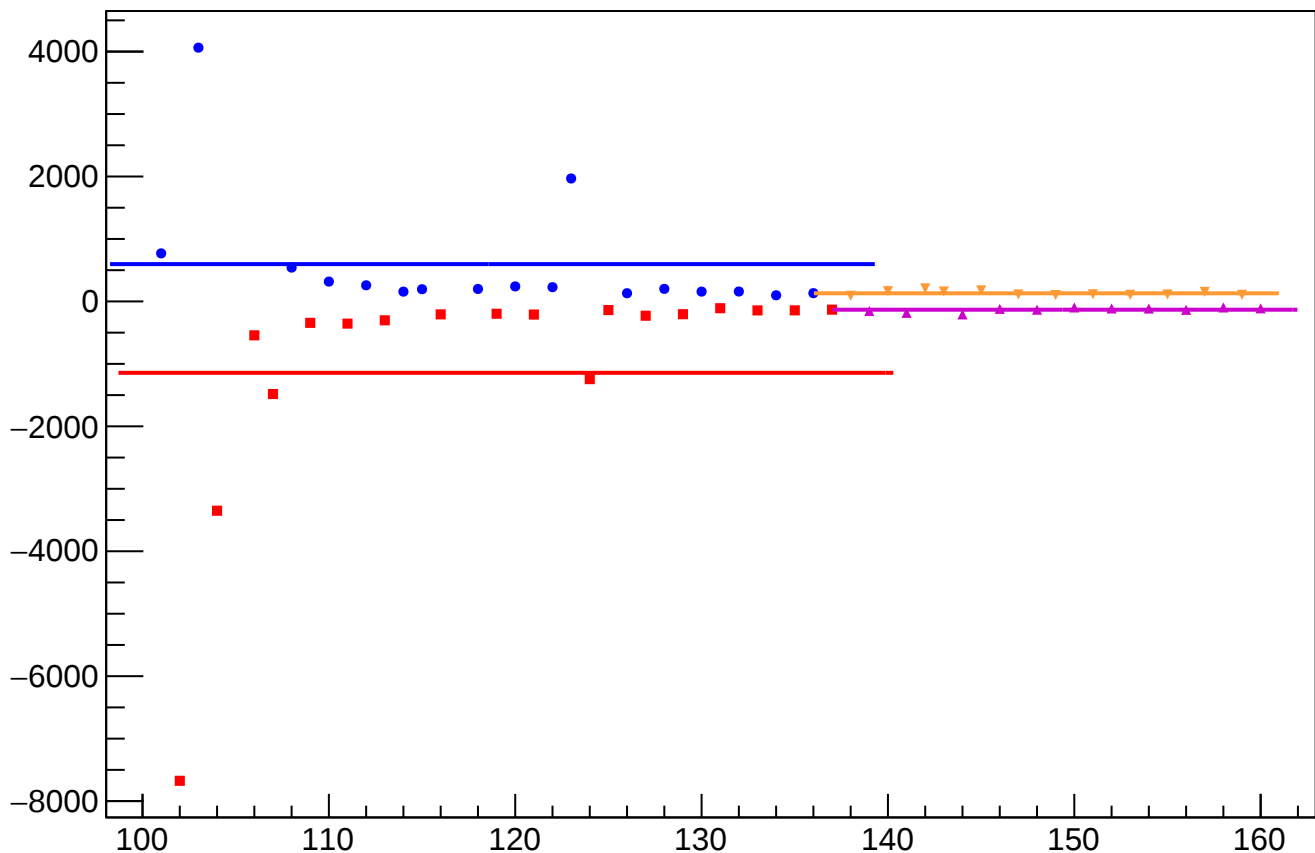
Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_atl1_coil6_mean vs Slug, Sign Corrected



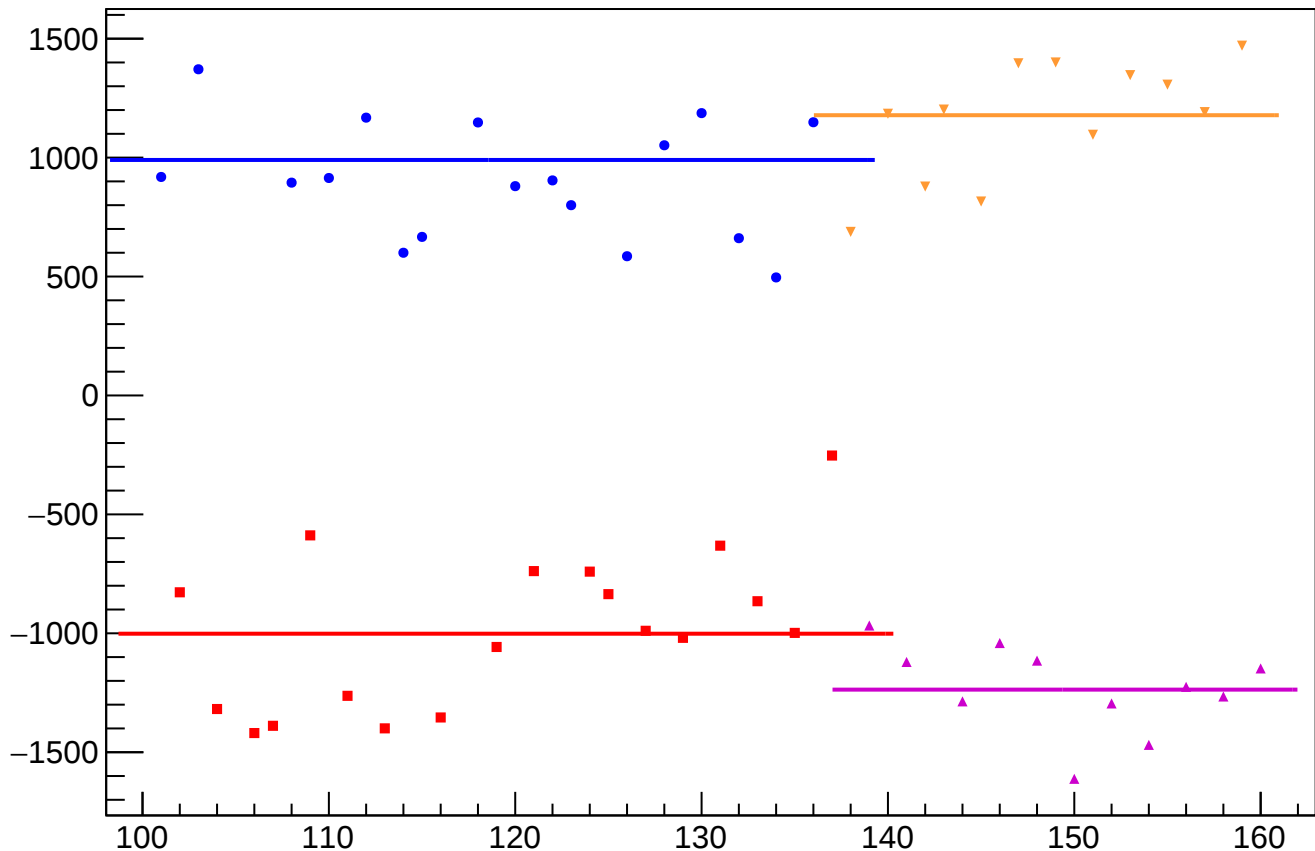
Right In: 1612.346+/-0.000 χ^2/NDF : 6578565632222822389389916952029424517120.0/16
 Left Out: 585.355+/-0.000 χ^2/NDF : 71064130905944539858639816600462557184.0/11
 Right Out: -1299.611+/-0.000 χ^2/NDF : 6468181068576271058681439598083982753792.0/17
 Left In: -709.552+/-0.000 χ^2/NDF : 38324887242823833367835539132322414592.0/10
 All: 18.401+/-0.000 χ^2/NDF : 1694801829865

dit_atl1_coil6_err_mean vs Slug, Sign Corrected



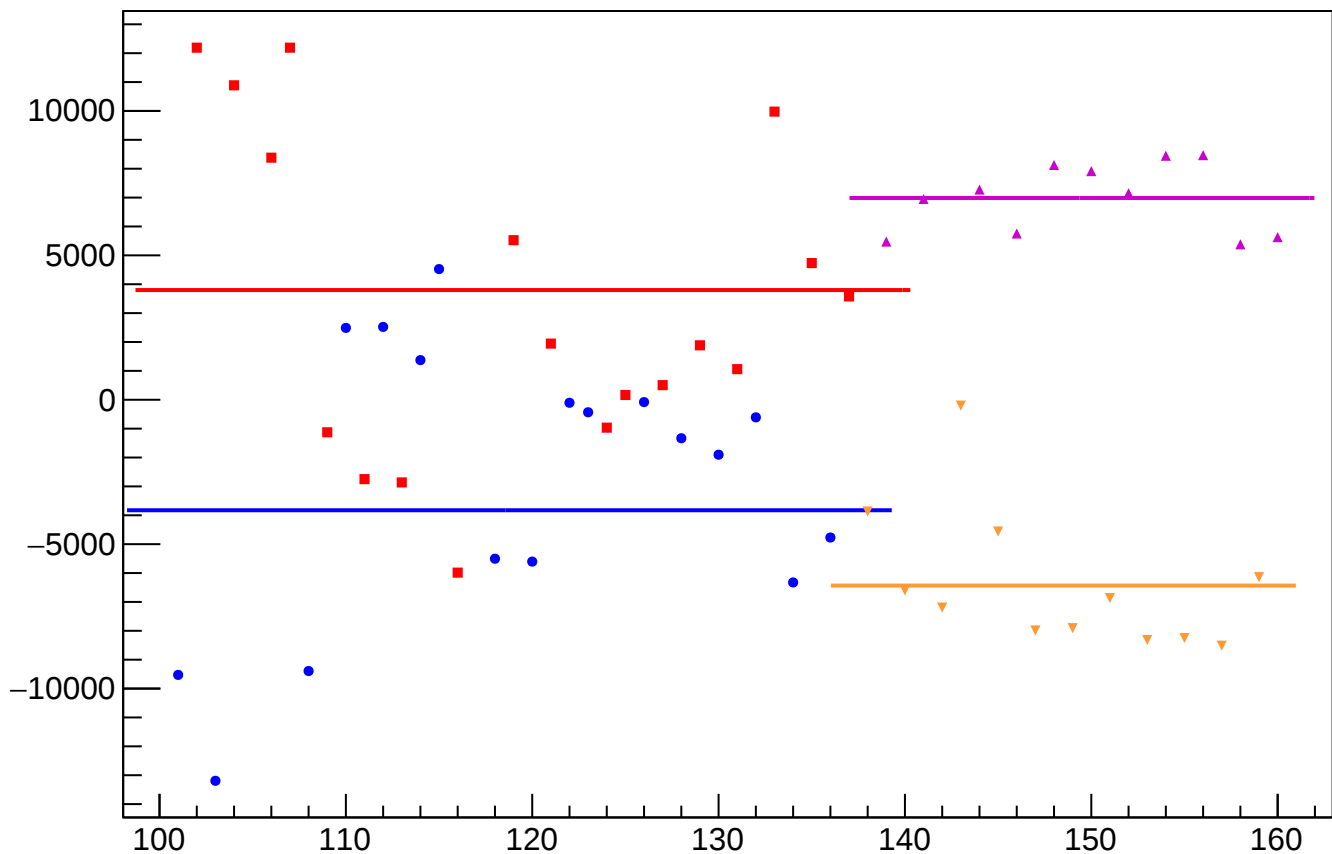
Left: -3.028 ± 0.000 χ^2/NDF : 33889688901035256
 Right In: 597.382 ± 0.000 χ^2/NDF : 808468639420281882930484113186400239616.0/16
 Right: -285.870 ± 0.000 χ^2/NDF : 50680370930109
 Left Out: 130.051 ± 0.000 χ^2/NDF : 1012152339815276325722639516246736896.0/11
 In: 178.727 ± 0.000 χ^2/NDF : 10216812314521010
 Right Out: -1143.180 ± 0.000 χ^2/NDF : 3192644561132334907368616853810301632512.0/17
 Out: -430.516 ± 0.000 χ^2/NDF : 384243763788041
 Left In: -132.683 ± 0.000 χ^2/NDF : 1095069941425855295085560512768901120.0/10
 All: -125.613 ± 0.000 χ^2/NDF : 51657930669

dit_atl1_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_atl2_coil6_mean vs Slug, Sign Corrected



Right In: -3825.392 +/- 0.000

Left Out: -6434.104 +/- 0.000

Right Out: 3798.528 +/- 0.000

Left In: 6986.598 +/- 0.000

Left: 363.678 +/- 0.000 χ^2/NDF : 8885863810237189

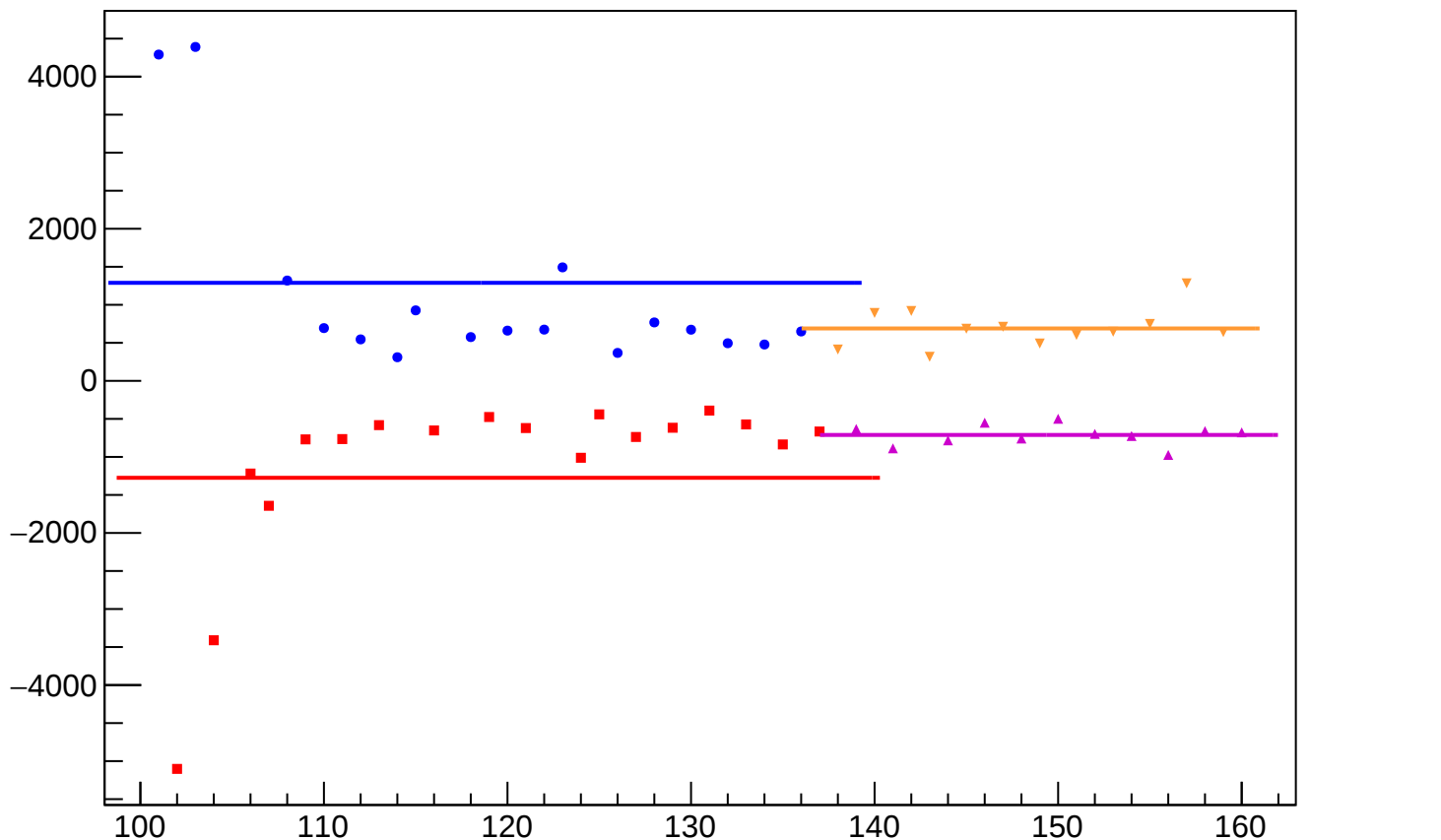
Right: 43.382 +/- 0.000 χ^2/NDF : 5704630071660789

In: 2374.723 +/- 0.000 χ^2/NDF : 6320353446593987

Out: -1928.973 +/- 0.000 χ^2/NDF : 67729726367742

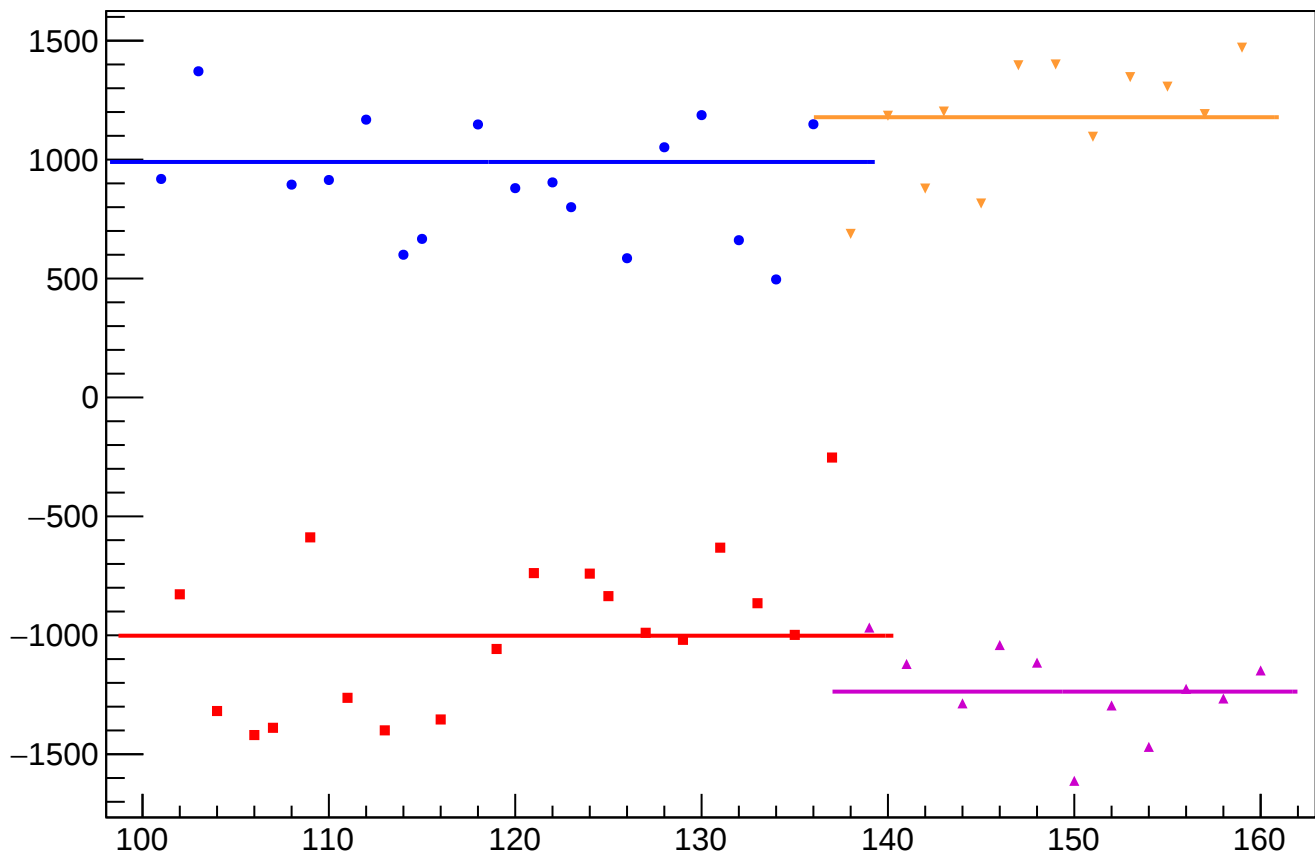
All: 224.860 +/- 0.000 χ^2/NDF : 145986839293

dit_atl2_coil6_err_mean vs Slug, Sign Corrected



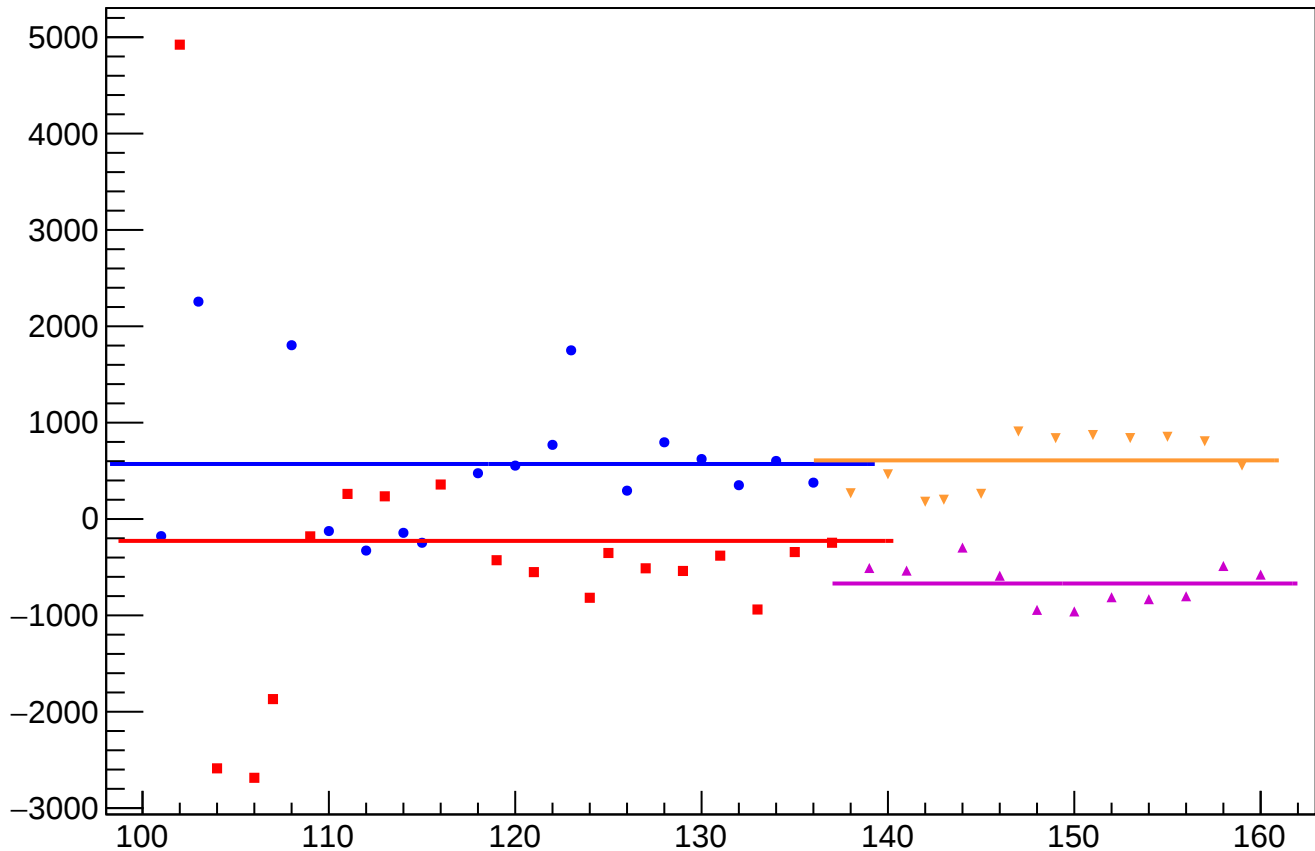
Right In: 1288.972+/-0.000 χ^2/NDF : 1352910763882575479104094227028785496064.0/16
 Left Out: 689.077+/-0.000 χ^2/NDF : 51672387047118863079417001056116146176.0/11
 Right Out: -1274.734+/-0.000 χ^2/NDF : 1316265489507064730168544372361657319424.0/17
 Left In: -711.332+/-0.000 χ^2/NDF : 15887933249894385970628581231809265664.0/10
 All: -16.668+/-0.000 χ^2/NDF : 595442451366

dit_atl2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_atr1_coil6_mean vs Slug, Sign Corrected



Right In: 571.105+/-0.000

χ^2/NDF : 348676559810482432881112105158952615936.0/16

Left Out: 608.402+/-0.000

χ^2/NDF : 69117421342453825845201605751792992256.0/11

Right Out: -227.021+/-0.000

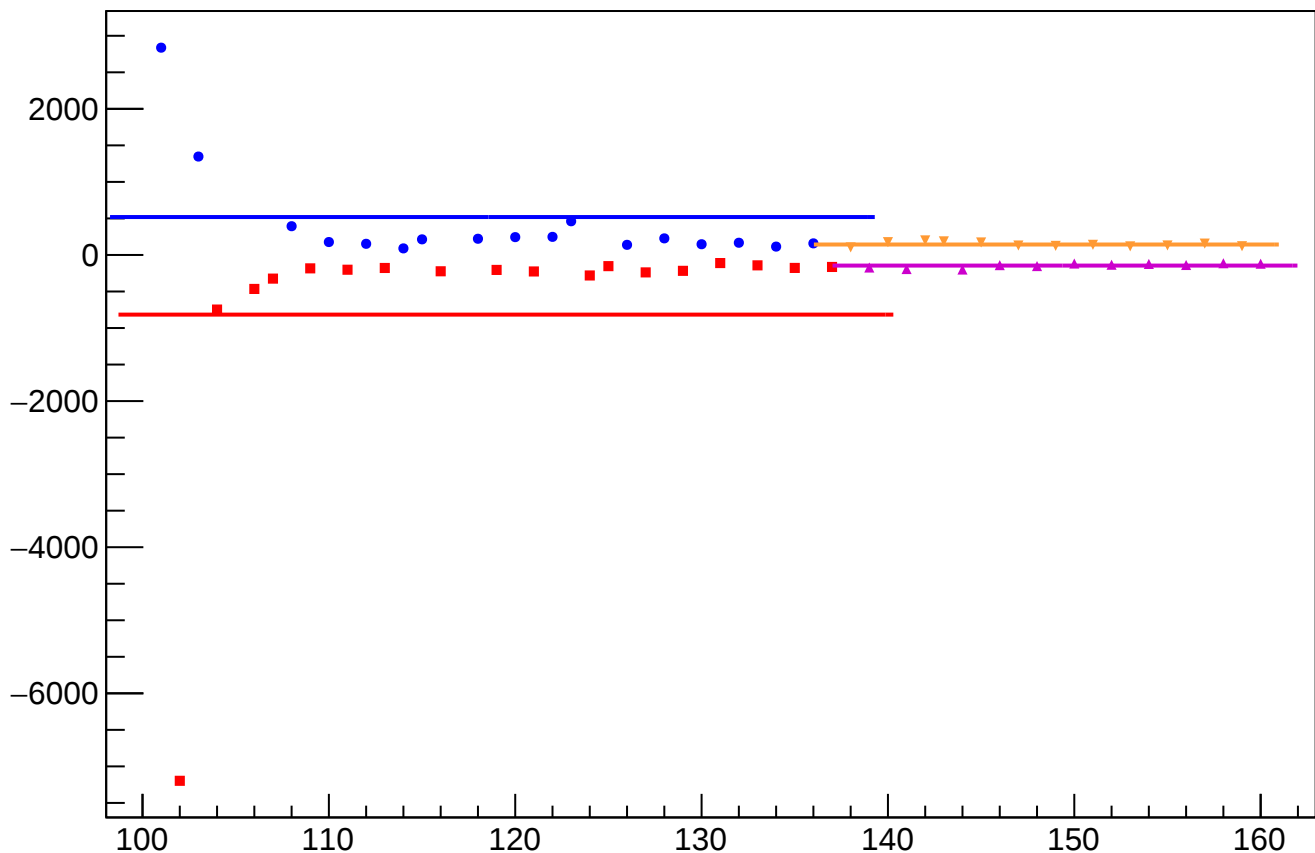
χ^2/NDF : 2178465037537899335461890002061994491904.0/17

Left In: -669.223+/-0.000

χ^2/NDF : 39382312244115775396192244581527453696.0/10

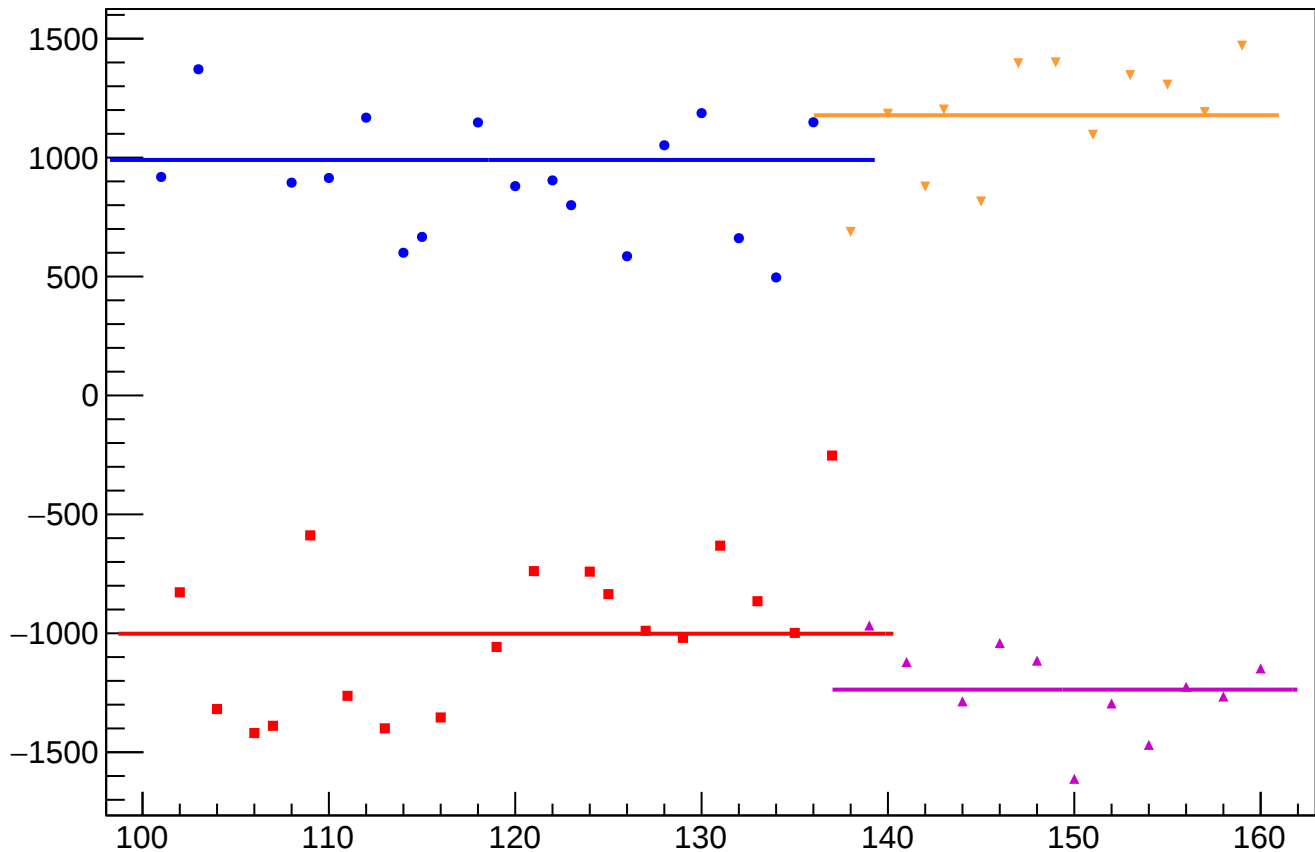
All: 50.040+/-0.000 χ^2/NDF : 3645028648995

dit_atr1_coil6_err_mean vs Slug, Sign Corrected



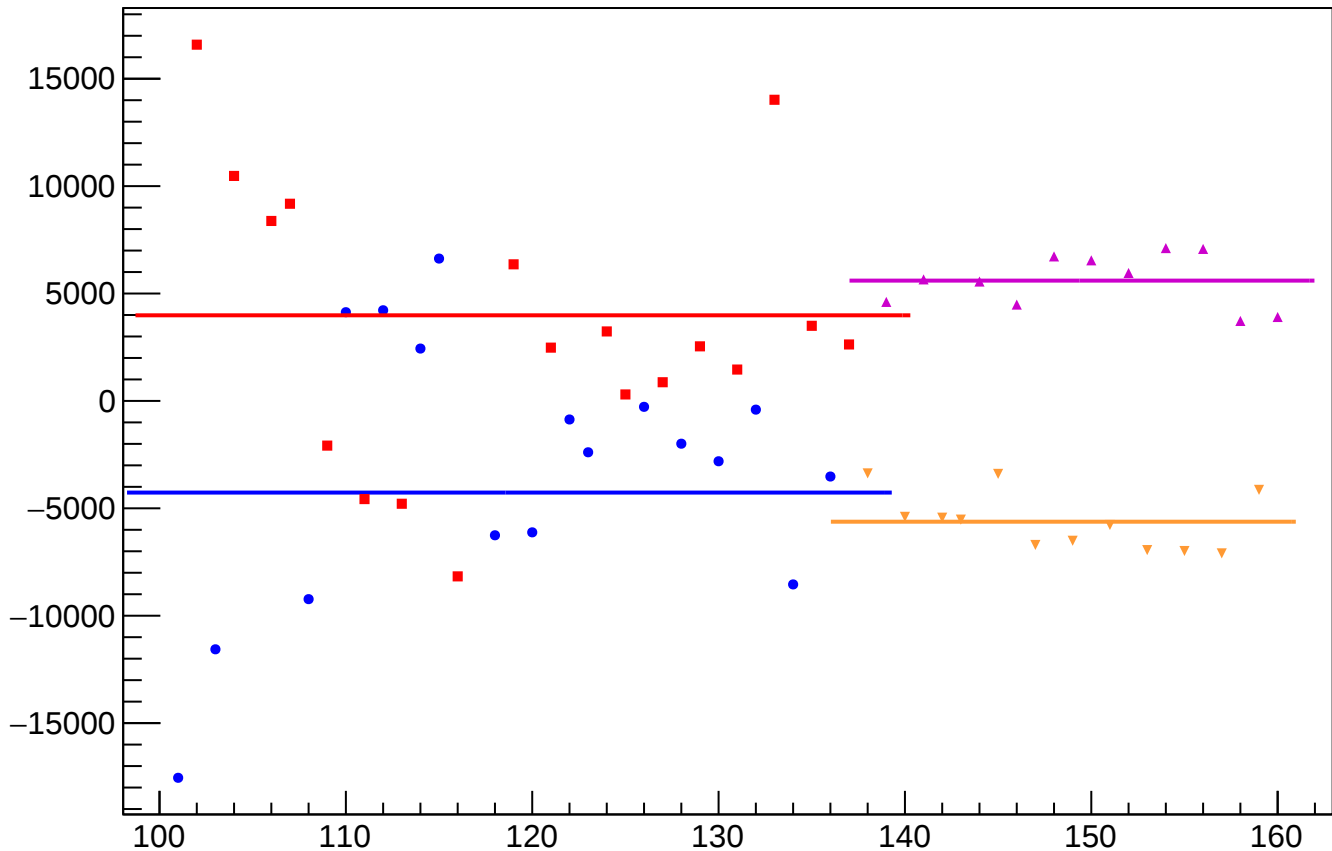
Right In: 519.063+/-0.000	χ^2/NDF : 420187131793740379632134790837132328960.0/16	Left: -2.953+/-0.000	χ^2/NDF : 39788843072448788
Left Out: 143.116+/-0.000	χ^2/NDF : 711290210266154833943358309092294656.0/11	Right: -158.643+/-0.000	χ^2/NDF : 36351558307835
Right Out: -816.445+/-0.000	χ^2/NDF : 2586841774338234136799977462346624794624.0/17	In: 138.106+/-0.000	χ^2/NDF : 59661217272548168
Left In: -145.264+/-0.000	χ^2/NDF : 787451488433589165323793528208228352.0/10	Out: -279.351+/-0.000	χ^2/NDF : 295604583787737
	All: -70.430+/-0.000	χ^2/NDF : 369429588208	

dit_atr1_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_atr2_coil6_mean vs Slug, Sign Corrected



Right In: -4266.932 +/- 0.000

χ^2/NDF : 25403959108162984315551486343624496513024.0/16

Left Out: -5623.118 +/- 0.000

χ^2/NDF : 1581209031874296874377039249105372577792.0/11

Right Out: 3985.866 +/- 0.000

χ^2/NDF : 31378292211366162940134938718336985333760.0/17

Left In: 5600.969 +/- 0.000

χ^2/NDF : 1284033803057879693677598537255558840320.0/10

Left: 62.047 +/- 0.000 χ^2/NDF : 60869250243021165

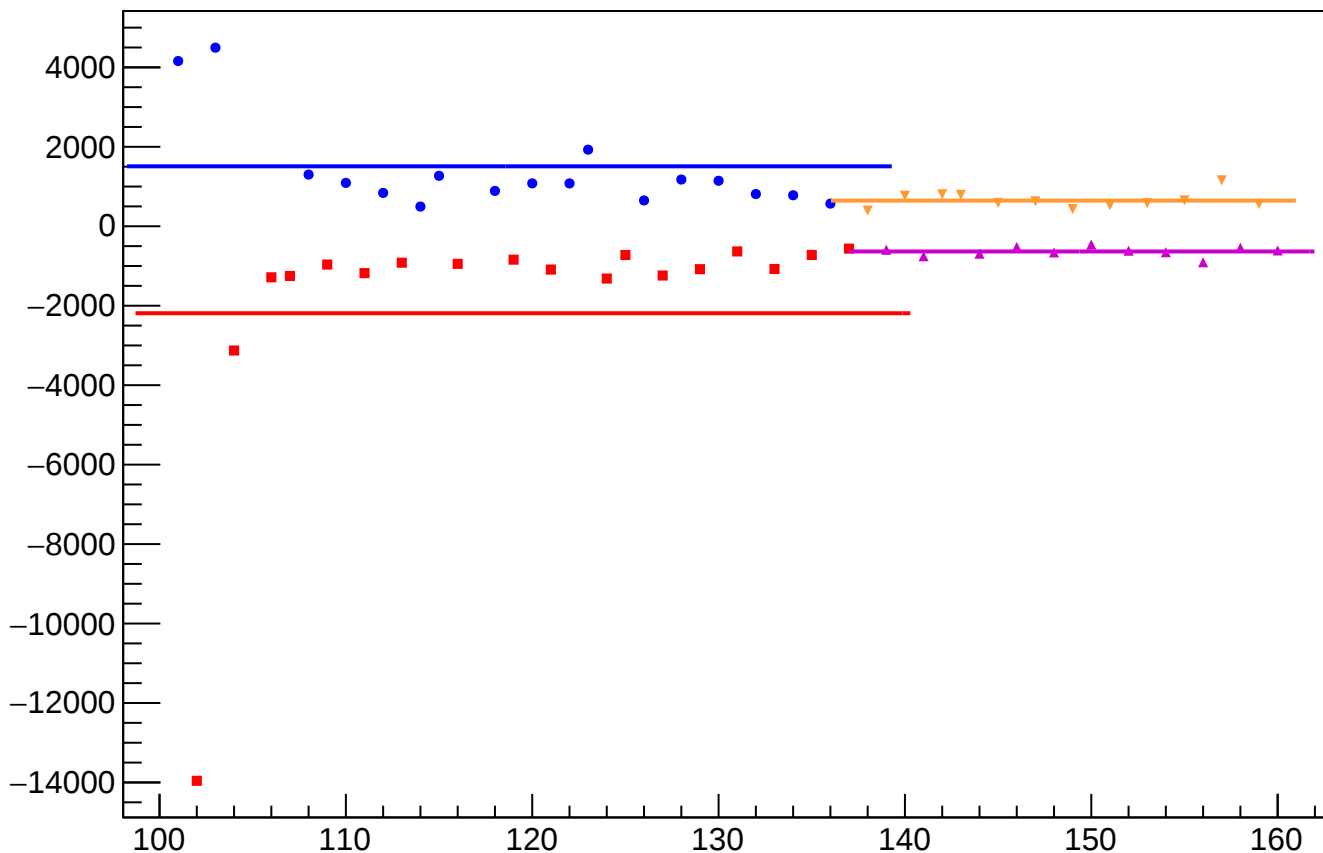
Right: -79.032 +/- 0.000 χ^2/NDF : 807682036229316

In: 1391.797 +/- 0.000 χ^2/NDF : 6544079861441833

Out: -1392.562 +/- 0.000 χ^2/NDF : 69911581261593

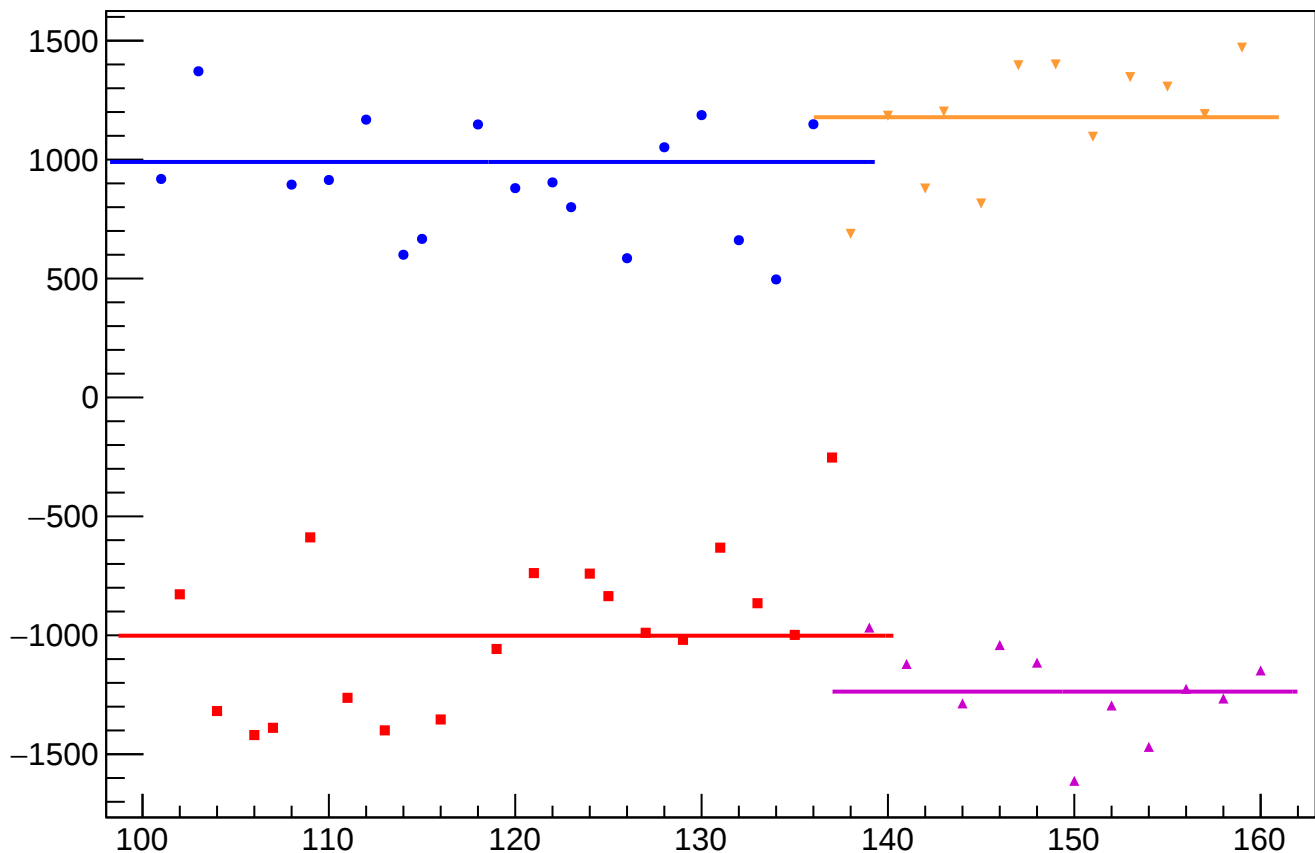
All: 0.902 +/- 0.000 χ^2/NDF : 14165334325845

dit_atr2_coil6_err_mean vs Slug, Sign Corrected



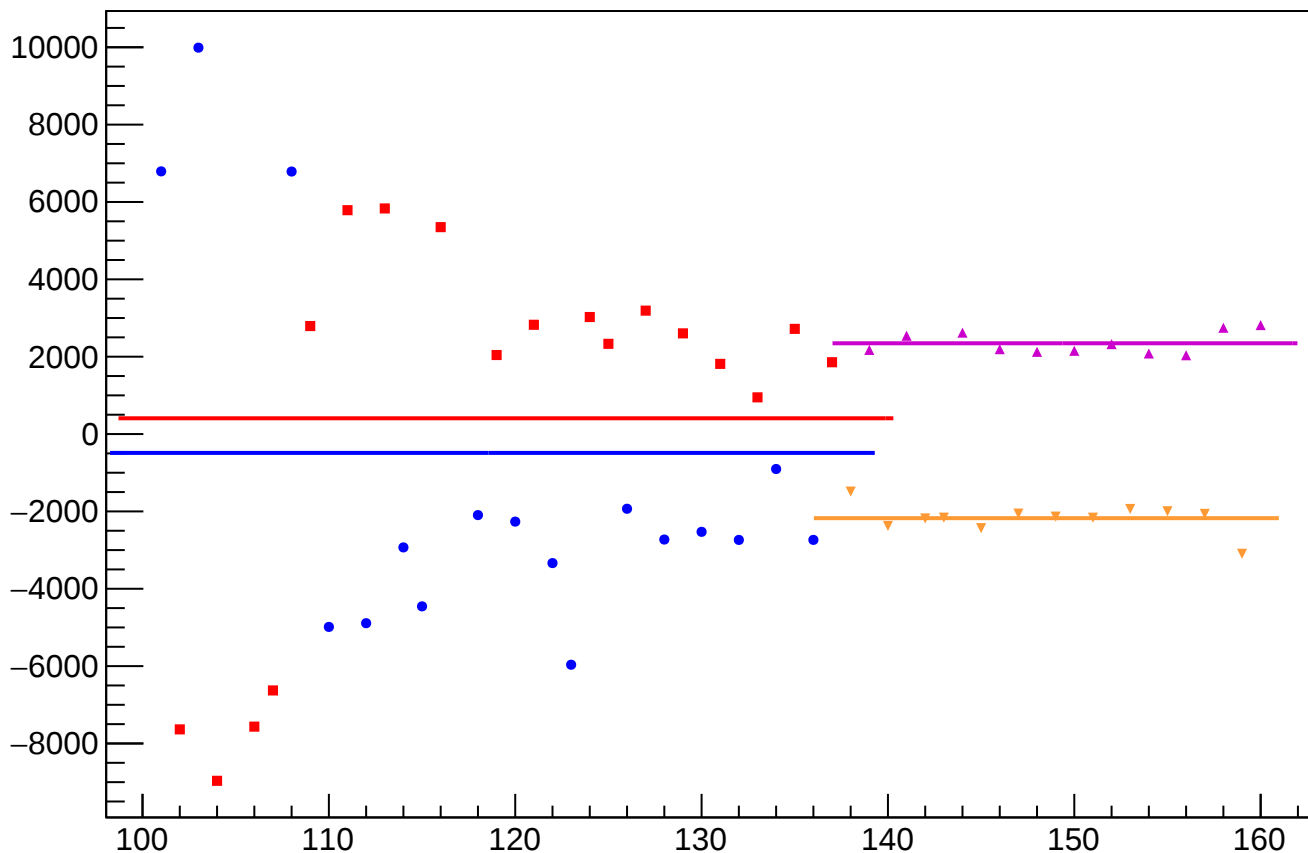
Right In: 1509.121+/-0.000 χ^2/NDF : 1169972089698319936649693761541425332224.0/16
 Left Out: 646.174+/-0.000 χ^2/NDF : 34105781677425395538056373827956375552.0/11
 Right Out: -2189.301+/-0.000 χ^2/NDF : 8986539063289018670432989988372162281472.0/17
 Left In: -634.343+/-0.000 χ^2/NDF : 12312915107383873124917312703313215488.0/10
 All: -160.717+/-0.000 χ^2/NDF : 15881502156

dit_atr2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_sam1_coil6_mean vs Slug, Sign Corrected



Right In: -487.313+/-0.000

Left Out: -2174.754+/-0.000

Right Out: 407.637+/-0.000

Left In: 2346.925+/-0.000

χ^2/NDF : 15477070218746492867636387900929916010496.0/16

χ^2/NDF : 122757210138541314425031010279093174272.0/11

χ^2/NDF : 17046160329483633481850056075702270164992.0/17

χ^2/NDF : 6716906327196763069010620899655680.0/10

Left: 115.543+/-0.000 χ^2/NDF : 9603517696214099

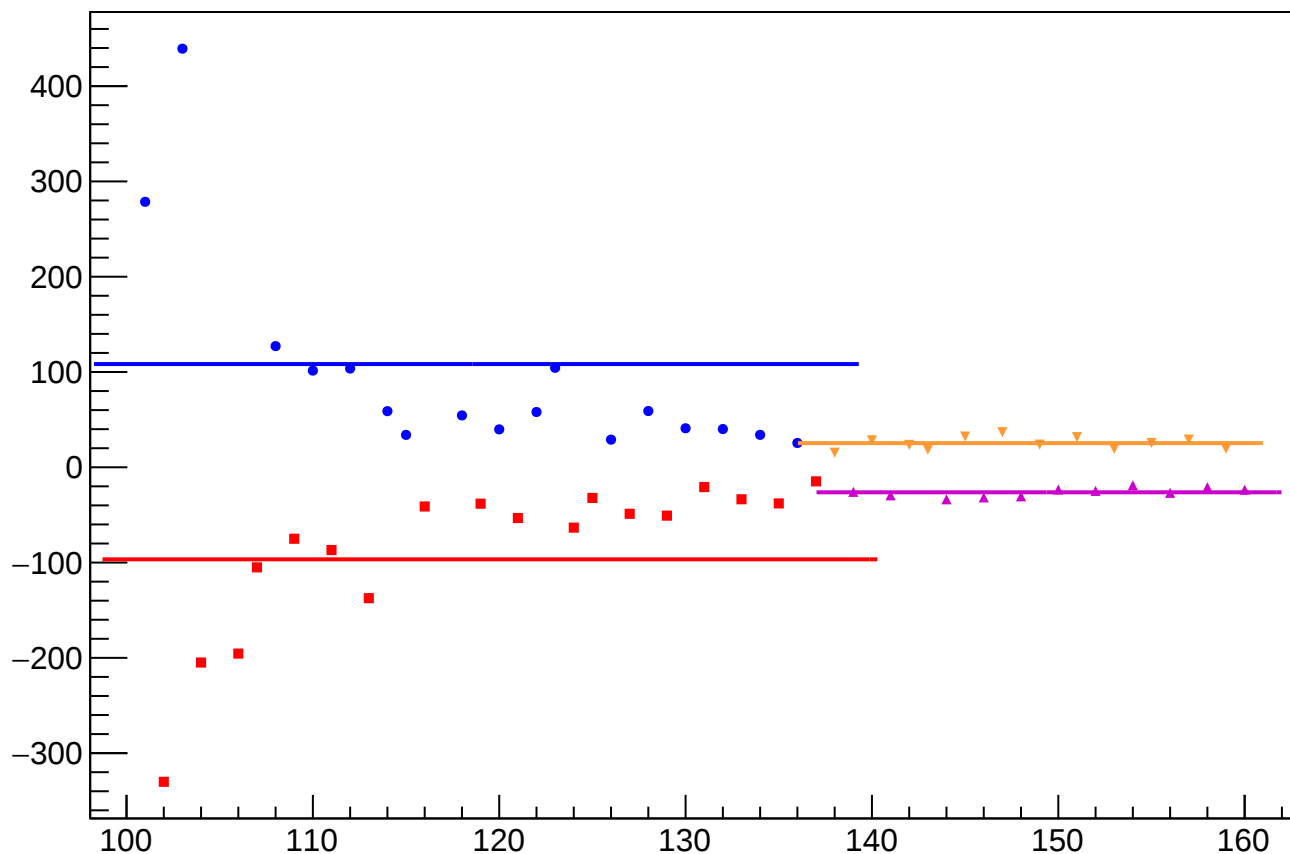
Right: -33.169+/-0.000 χ^2/NDF : 328052975025504

In: 1137.975+/-0.000 χ^2/NDF : 1874111927360010

Out: -1037.802+/-0.000 χ^2/NDF : 19837789722518

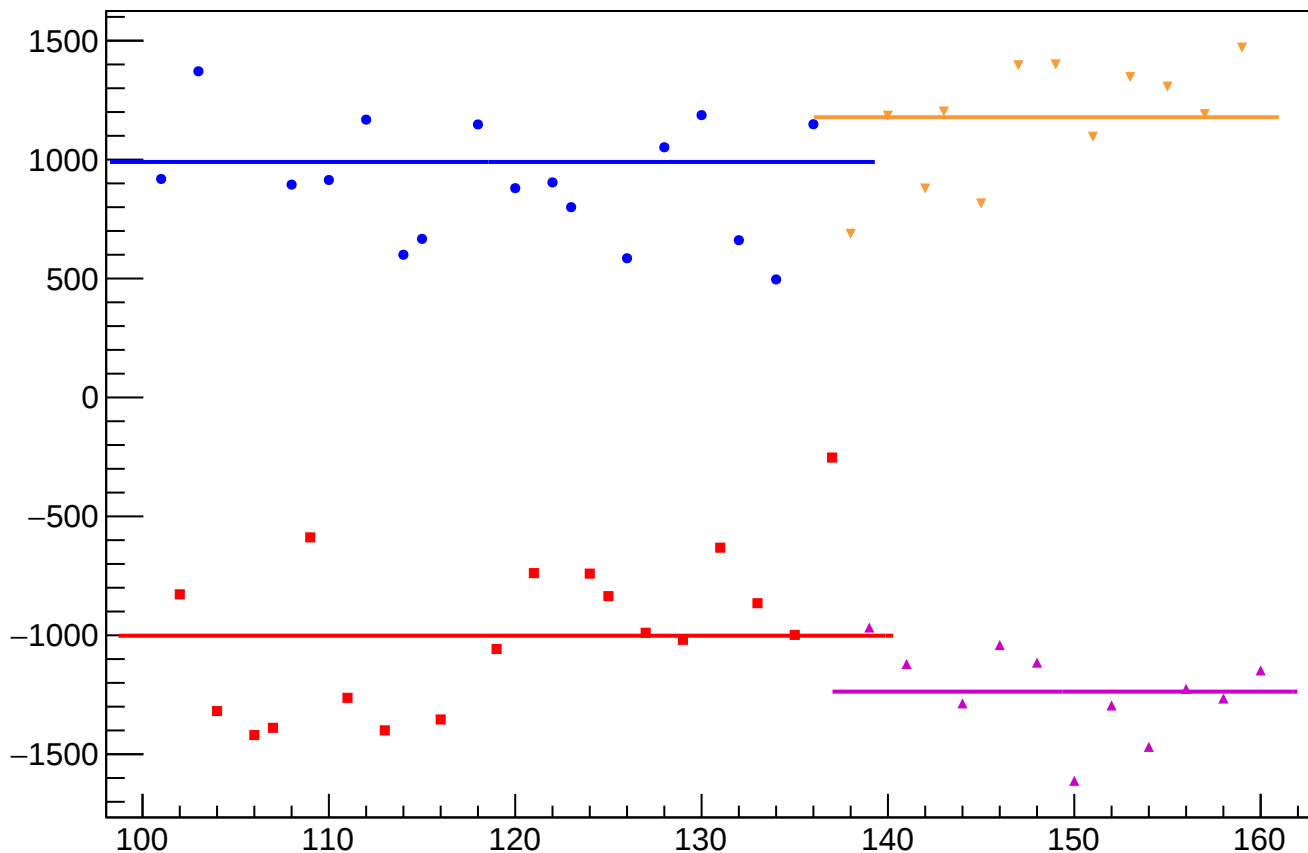
All: 51.090+/-0.000 χ^2/NDF : 4242647048675

dit_sam1_coil6_err_mean vs Slug, Sign Corrected



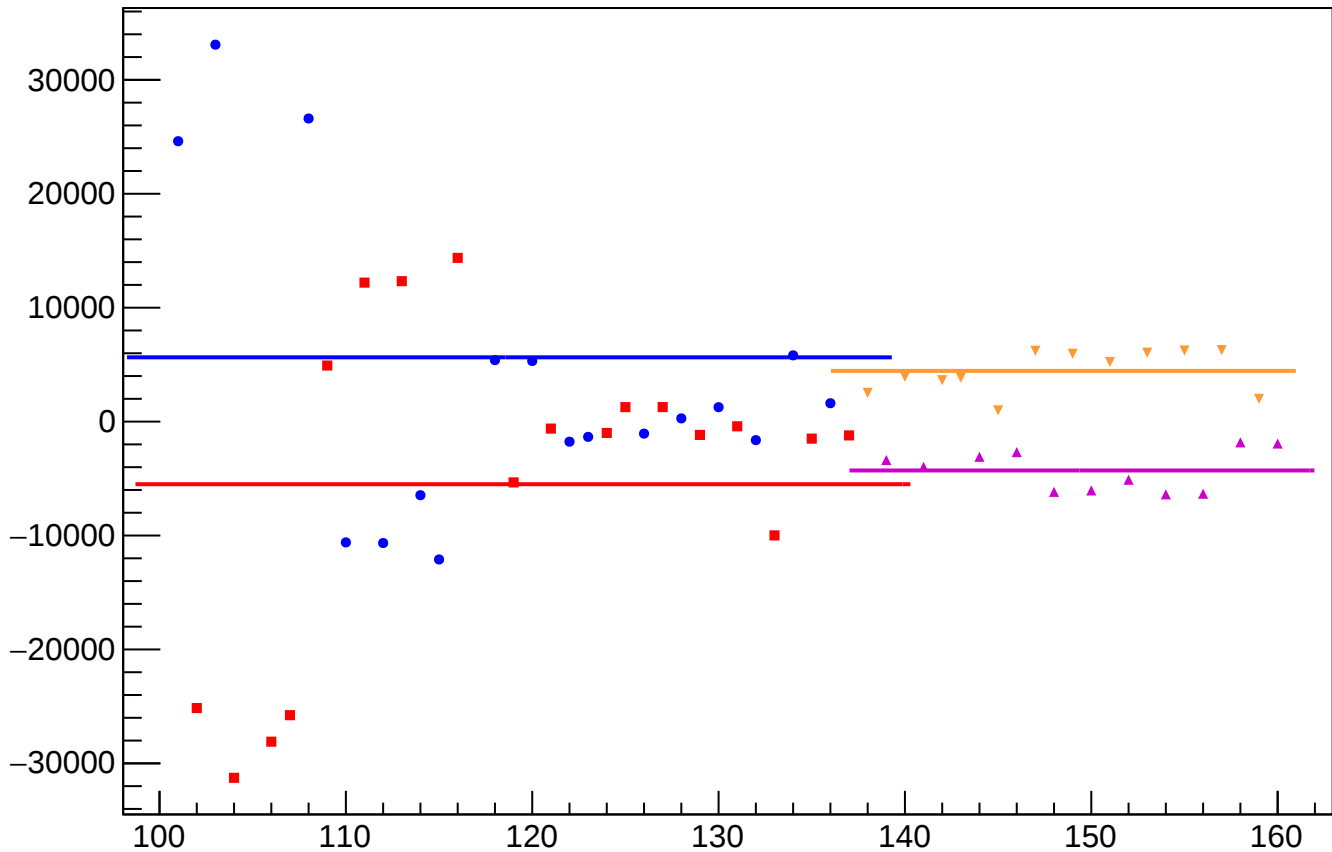
Right In: 108.310 $\pm$ 0.000 χ^2 /NDF: 10240592139421231918957200369451532288.0/16
 Left Out: 25.343 $\pm$ 0.000 χ^2 /NDF: 36110419999442203641332872035434496.0/11
 Right Out: -96.612 $\pm$ 0.000 χ^2 /NDF: 5525873832888071130304914389362278400.0/17
 Left In: -26.267 $\pm$ 0.000 χ^2 /NDF: 18381454665021153689982878819024896.0/10
 All: 1.421 $\pm$ 0.000 χ^2 /NDF: 31856999300877

dit_sam1_coil6_Ndata_mean vs Slug, Sign Corrected



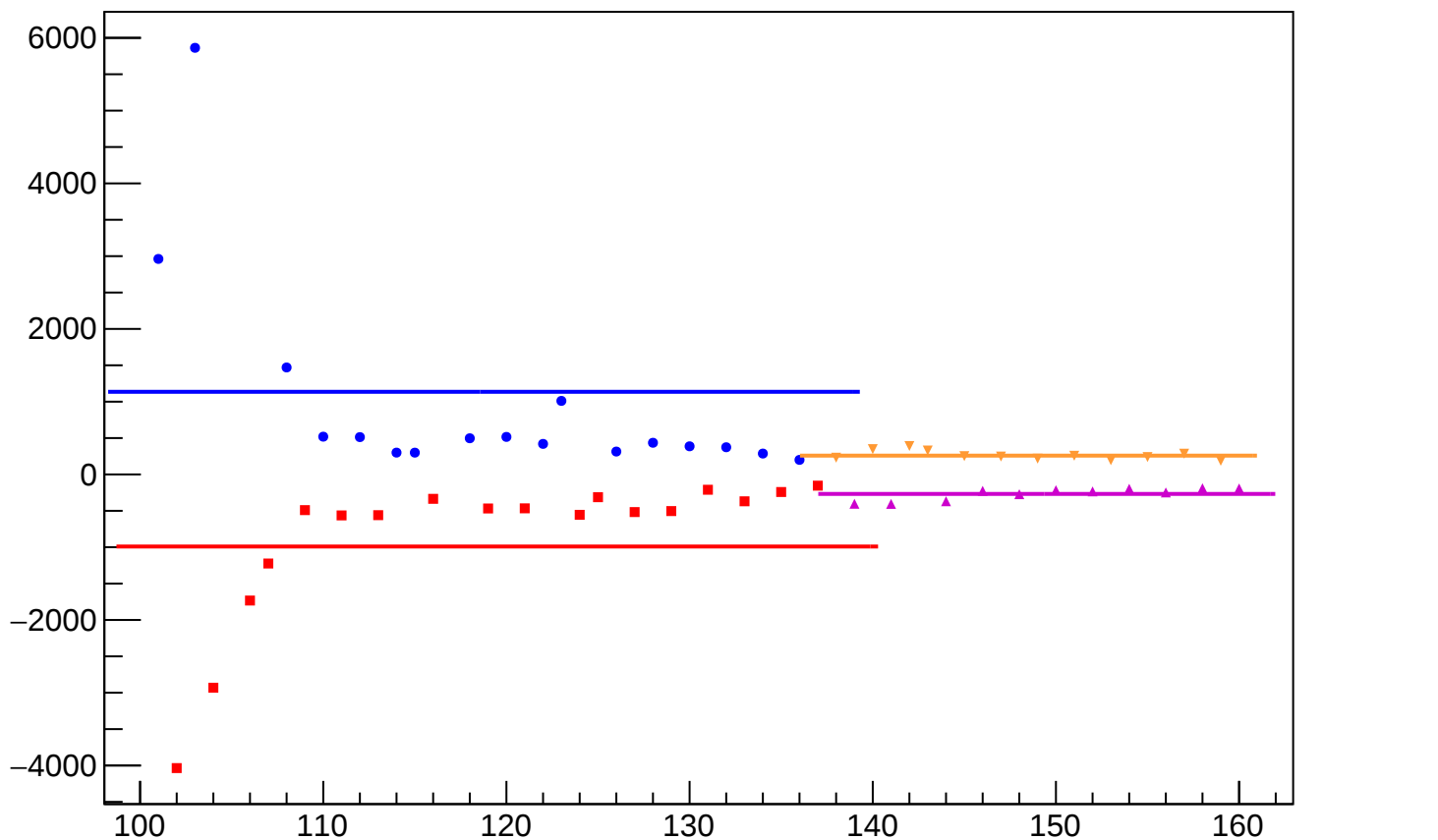
Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_sam2_coil6_mean vs Slug, Sign Corrected



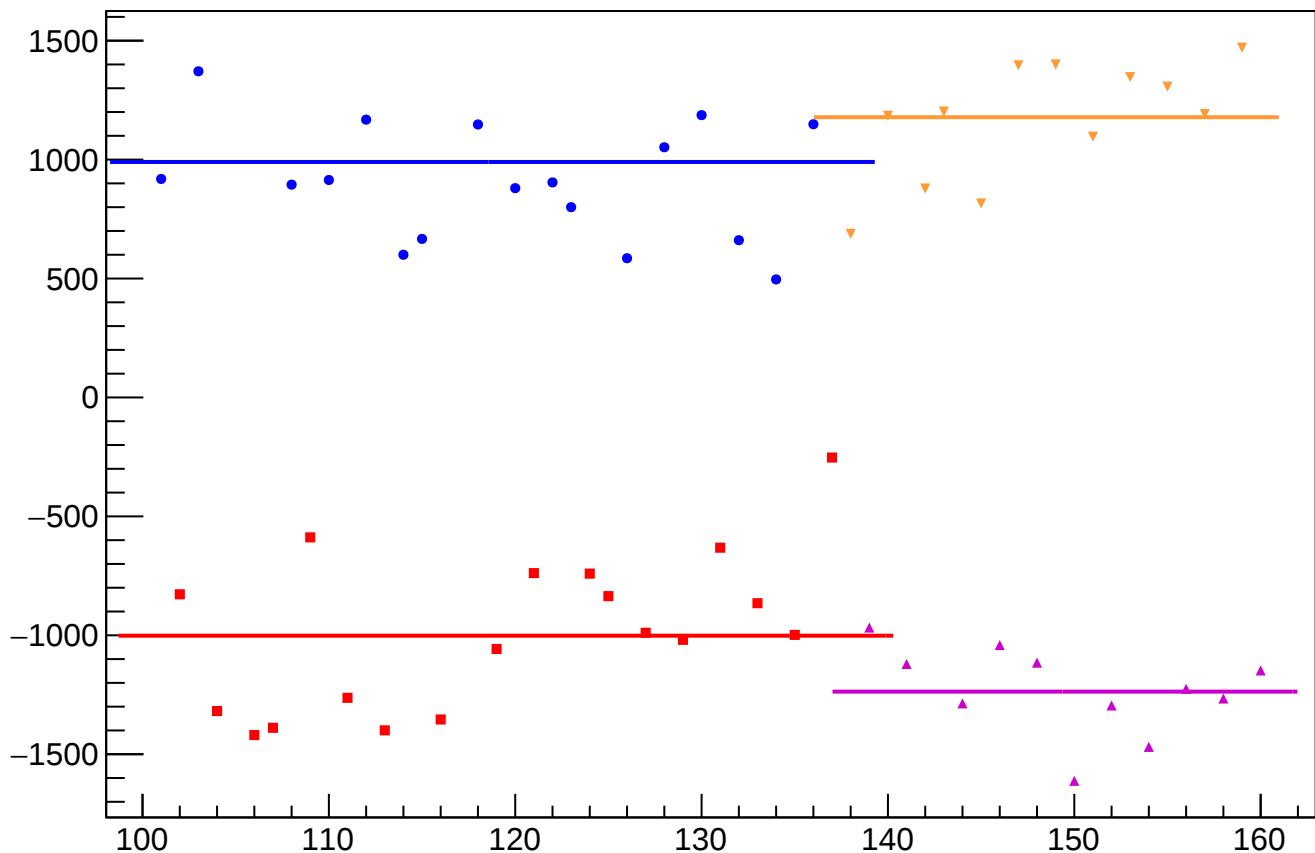
Right In: 5643.213+/-0.000 χ^2/NDF : 120843746110128548402153277612724047577088.0/16
 Left Out: 4452.458+/-0.000 χ^2/NDF : 2985929789295198919987260133715107381248.0/11
 Right Out: -5495.452+/-0.000 χ^2/NDF : 139584988563962510194230278268369577705472.0/17
 Left In: -4288.058+/-0.000 χ^2/NDF : 273563671238509418745516578877797910528.0/10
 All: 10.356+/-0.000 χ^2/NDF : 3450198120051

dit_sam2_coil6_err_mean vs Slug, Sign Corrected



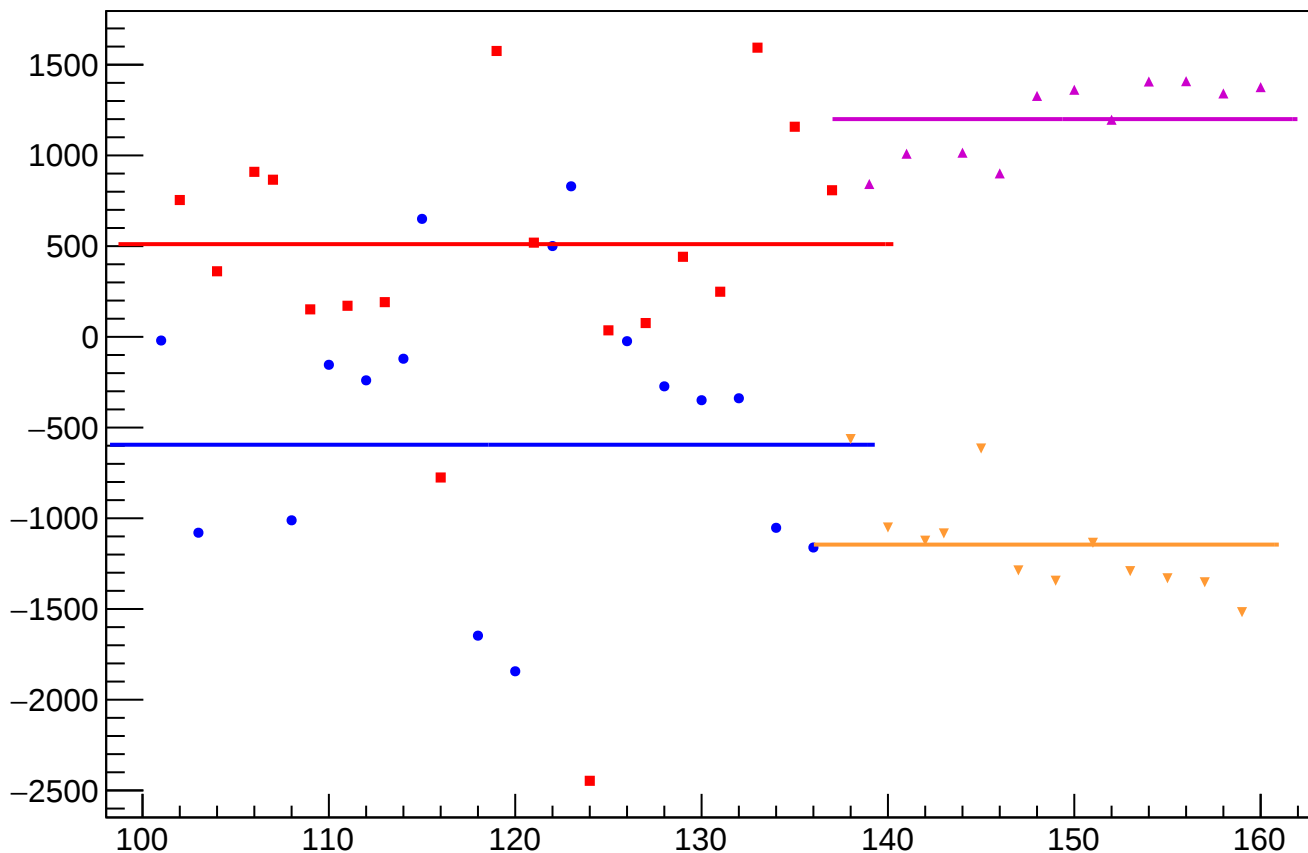
Right In: 1135.811+/-0.000 χ^2/NDF : 1824005819812756990146951558918737756160.0/16
 Left Out: 258.670+/-0.000 χ^2/NDF : 2829286833241859007622586413730496512.0/11
 Right Out: -990.520+/-0.000 χ^2/NDF : 932180516409120093653543317868461948928.0/17
 Left In: -267.701+/-0.000 χ^2/NDF : 5915399599612443264375094627914481664.0/10
 All: 20.116+/-0.000 χ^2/NDF : 4488112882627

dit_sam2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_sam3_coil6_mean vs Slug, Sign Corrected



Right In: -594.642+/-0.000

χ^2/NDF : 301185427986157798818990027839559958528.0/16

Left Out: -1145.023+/-0.000

χ^2/NDF : 73058158331350430415583816889325846528.0/11

Right Out: 510.991+/-0.000

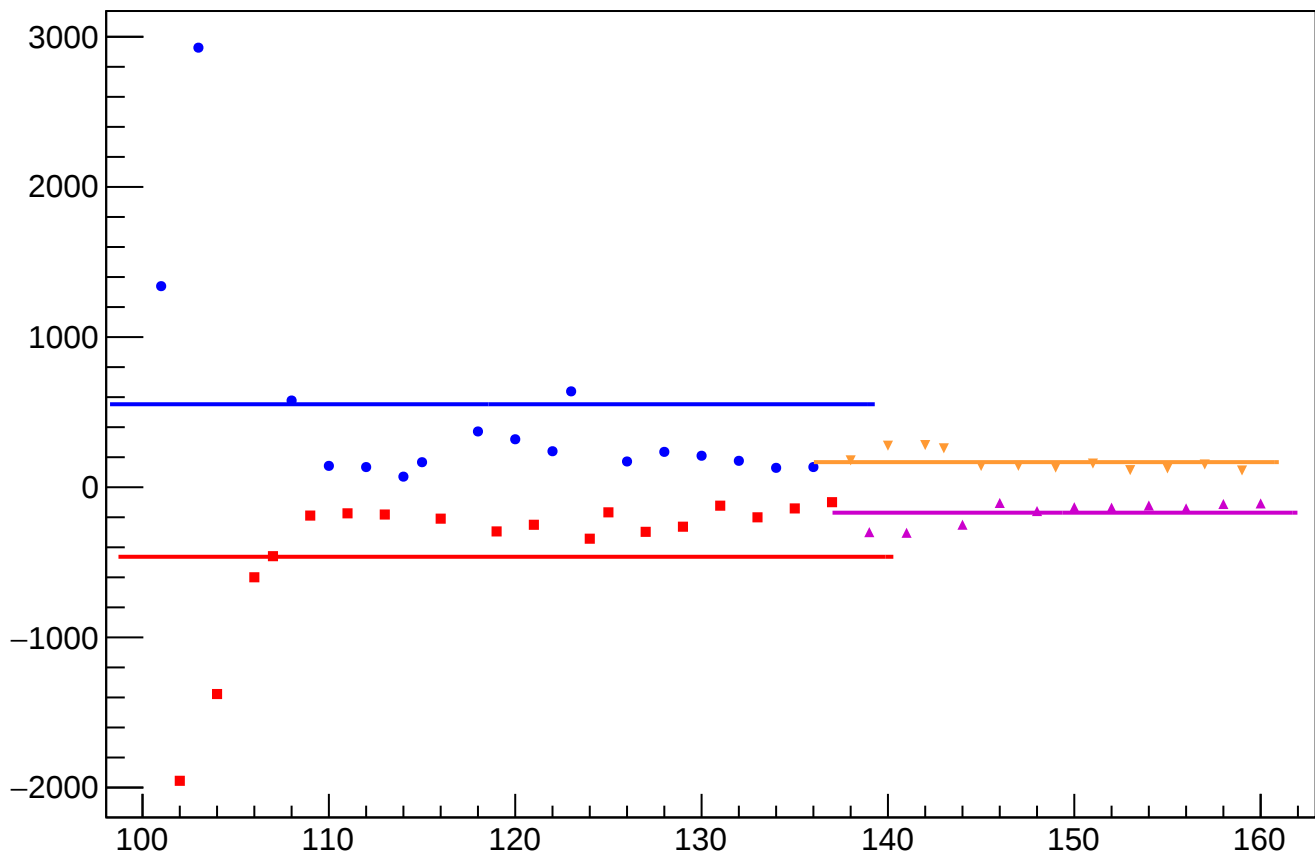
χ^2/NDF : 345692362052681149269006983787007967232.0/17

Left In: 1200.159+/-0.000

χ^2/NDF : 39206754972923098015710381582583857152.0/10

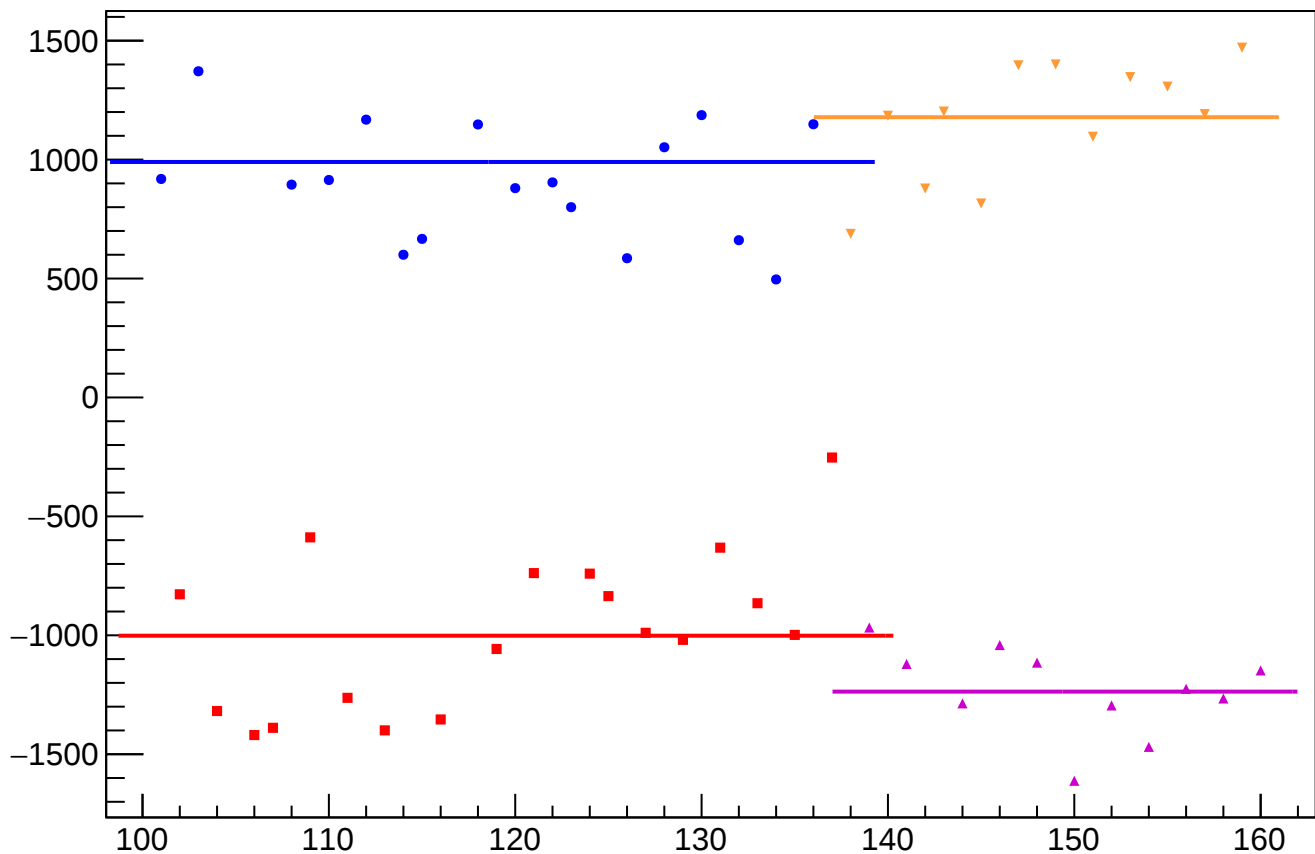
All: 9.720+/-0.000 χ^2/NDF : 37265736516506

dit_sam3_coil6_err_mean vs Slug, Sign Corrected



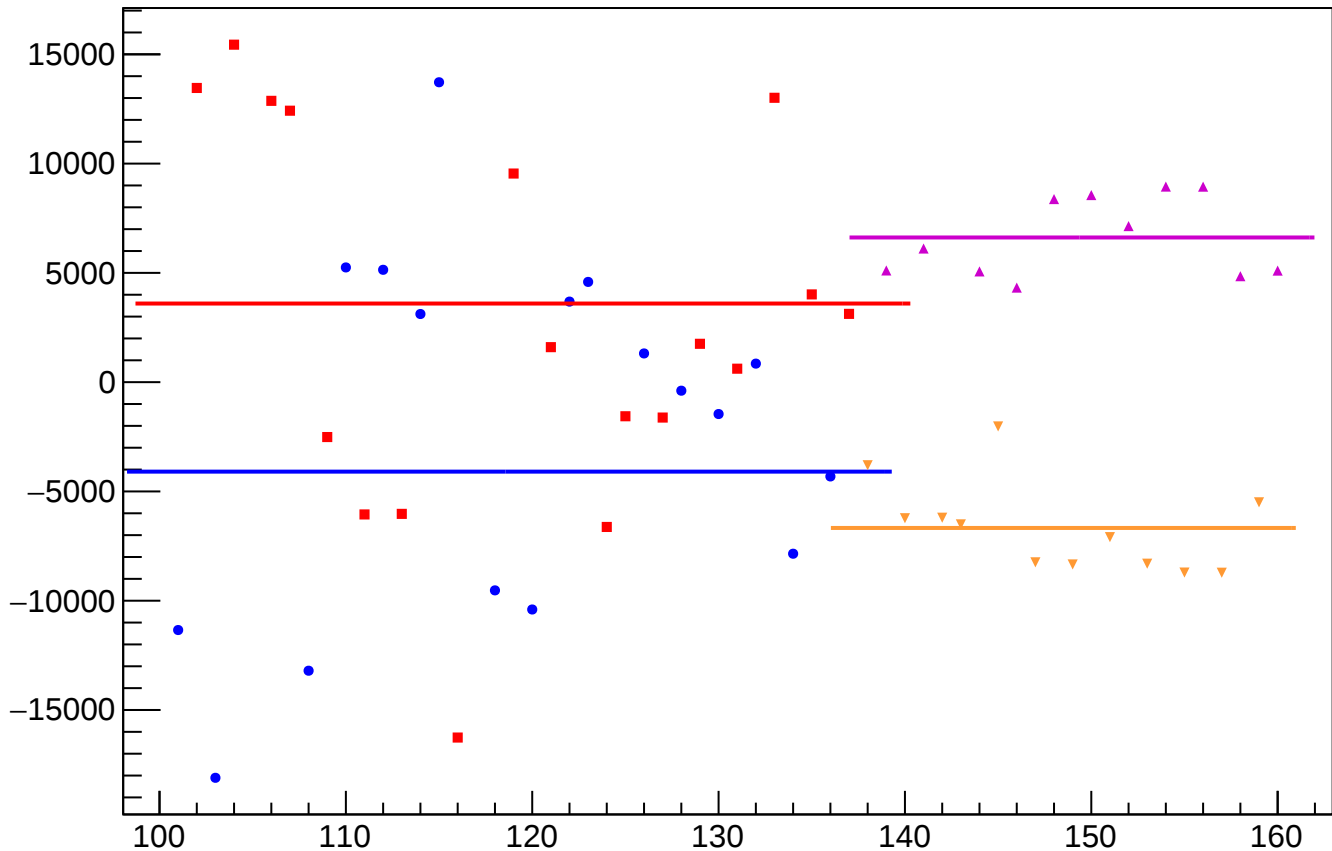
Right In: 552.756 +/- 0.000 χ^2/NDF : 438588904166490483585471990950715719680.0/16
 Left Out: 167.275 +/- 0.000 χ^2/NDF : 3021189019464897046042040078702739456.0/11
 Right Out: -463.044 +/- 0.000 χ^2/NDF : 209305475229629435748794855521804877824.0/17
 Left In: -169.476 +/- 0.000 χ^2/NDF : 4886350669326169514376198750149279744.0/10
 All: 14.293 +/- 0.000 χ^2/NDF : 1072717340633

dit_sam3_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_sam4_coil6_mean vs Slug, Sign Corrected



Right In: -4093.788 +/- 0.000

Left Out: -6670.950 +/- 0.000

Right Out: 3597.313 +/- 0.000

Left In: 6619.709 +/- 0.000

Left: 60.964 +/- 0.000 χ^2/NDF : 87947728718385241

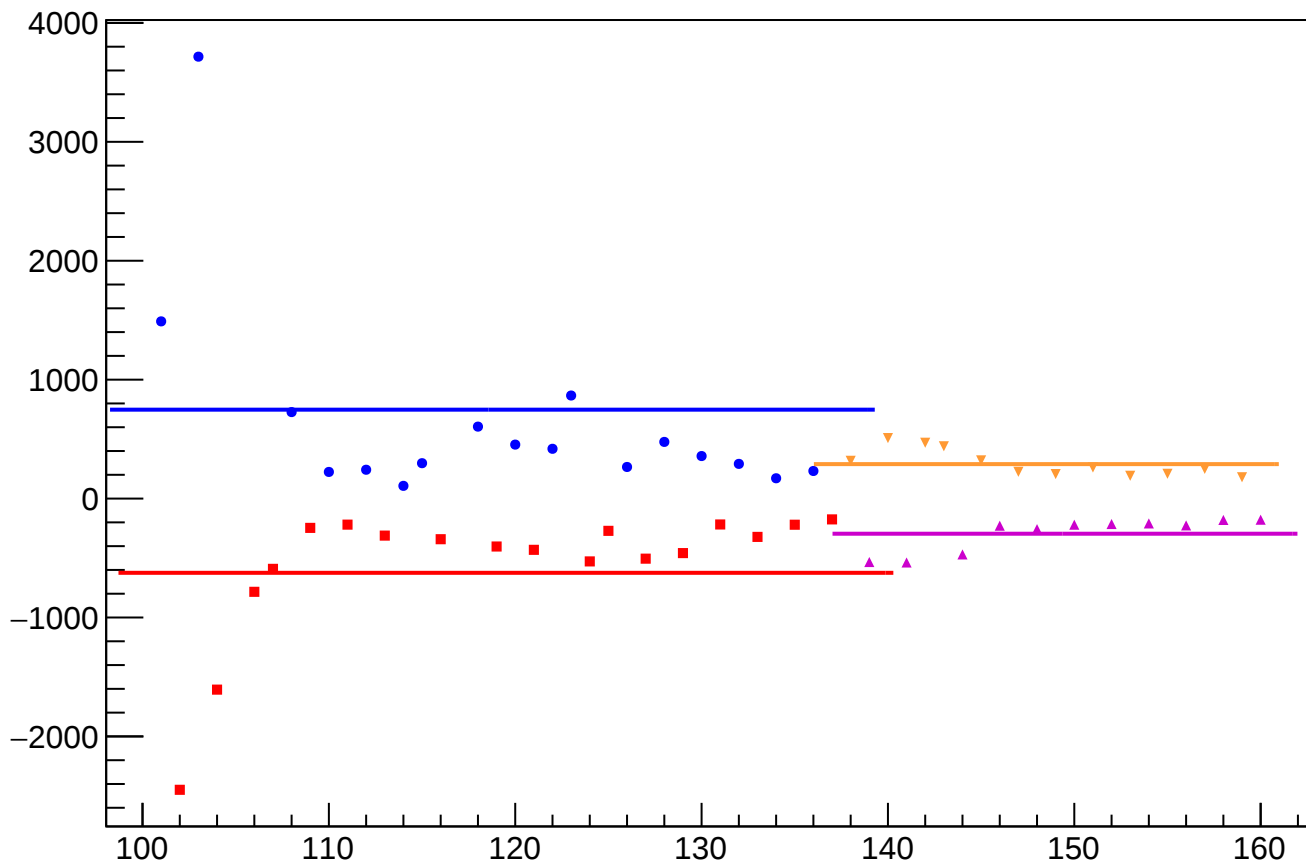
Right: -190.923 +/- 0.000 χ^2/NDF : 10832812445866

In: 2049.846 +/- 0.000 χ^2/NDF : 8740097605988358

Out: -2150.132 +/- 0.000 χ^2/NDF : 94588776360952

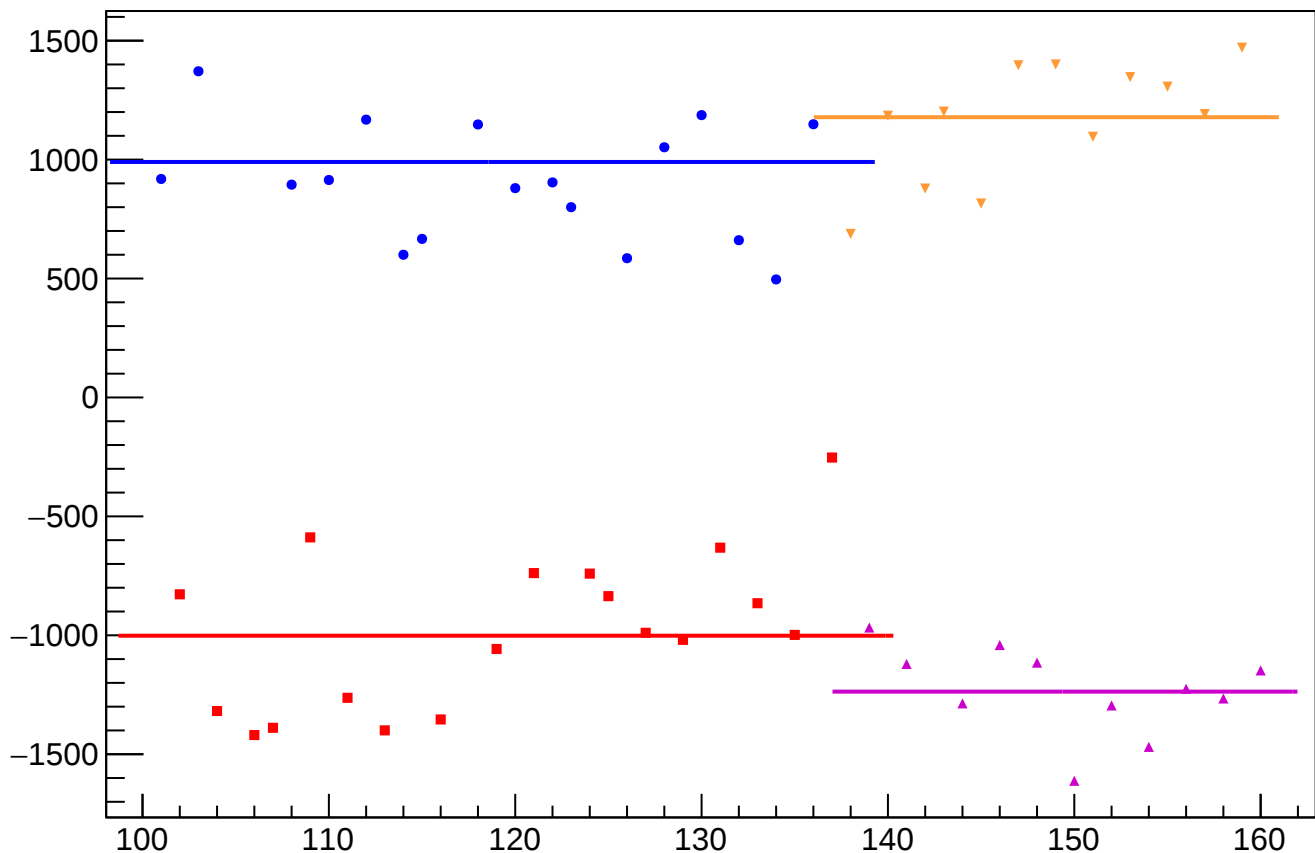
All: -48.205 +/- 0.000 χ^2/NDF : 196326504713

dit_sam4_coil6_err_mean vs Slug, Sign Corrected



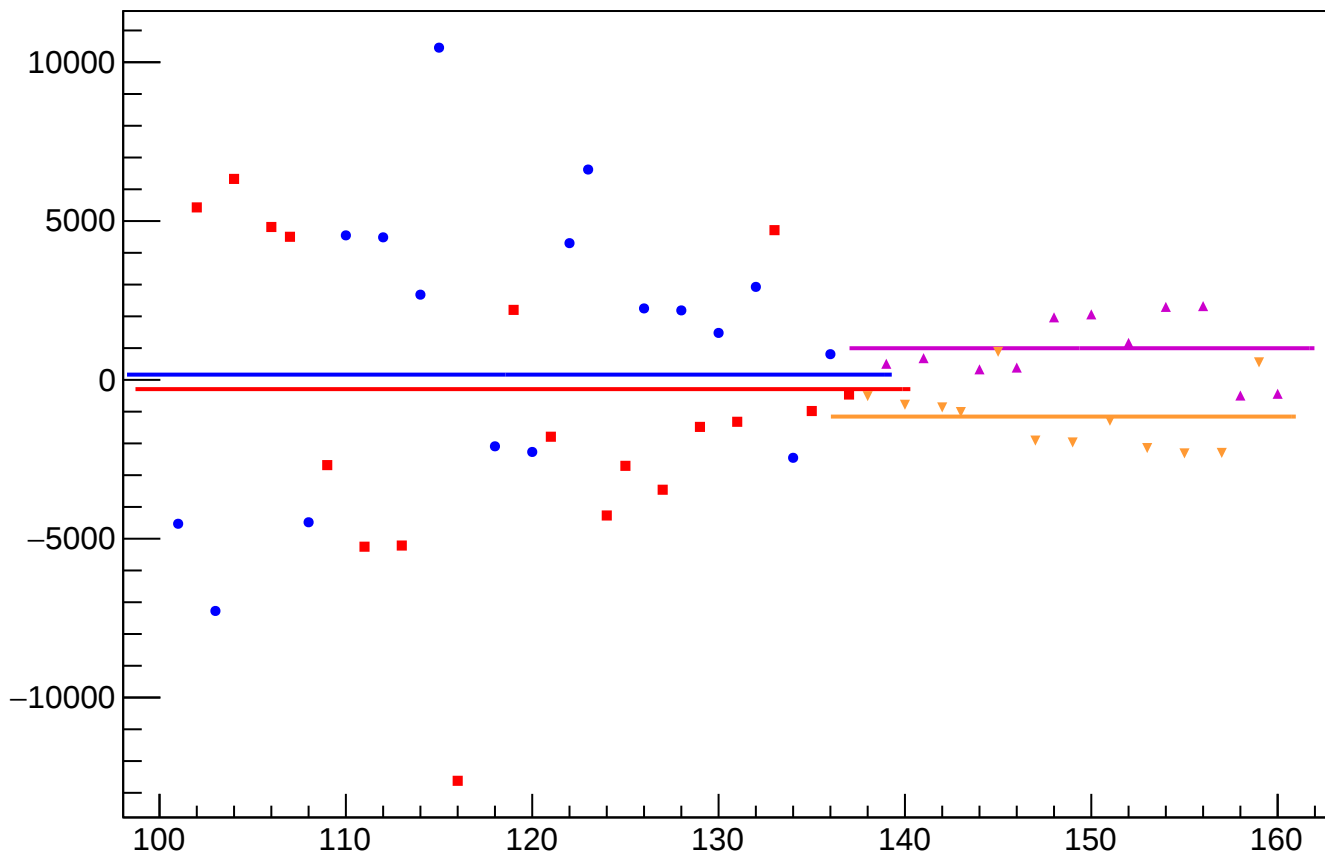
Right In: 747.700+/-0.000 χ^2/NDF : 65093293799436921921443577270989717504.0/16
 Left Out: 289.811+/-0.000 χ^2/NDF : 10481549601194900606923730784744374272.0/11
 Right Out: -624.223+/-0.000 χ^2/NDF : 296243096292052743688943276873819881472.0/17
 Left In: -295.493+/-0.000 χ^2/NDF : 17160133140926555155362591865869172736.0/10
 All: 18.557+/-0.000 χ^2/NDF : 1798098672103

dit_sam4_coil6_Ndata_mean vs Slug, Sign Corrected



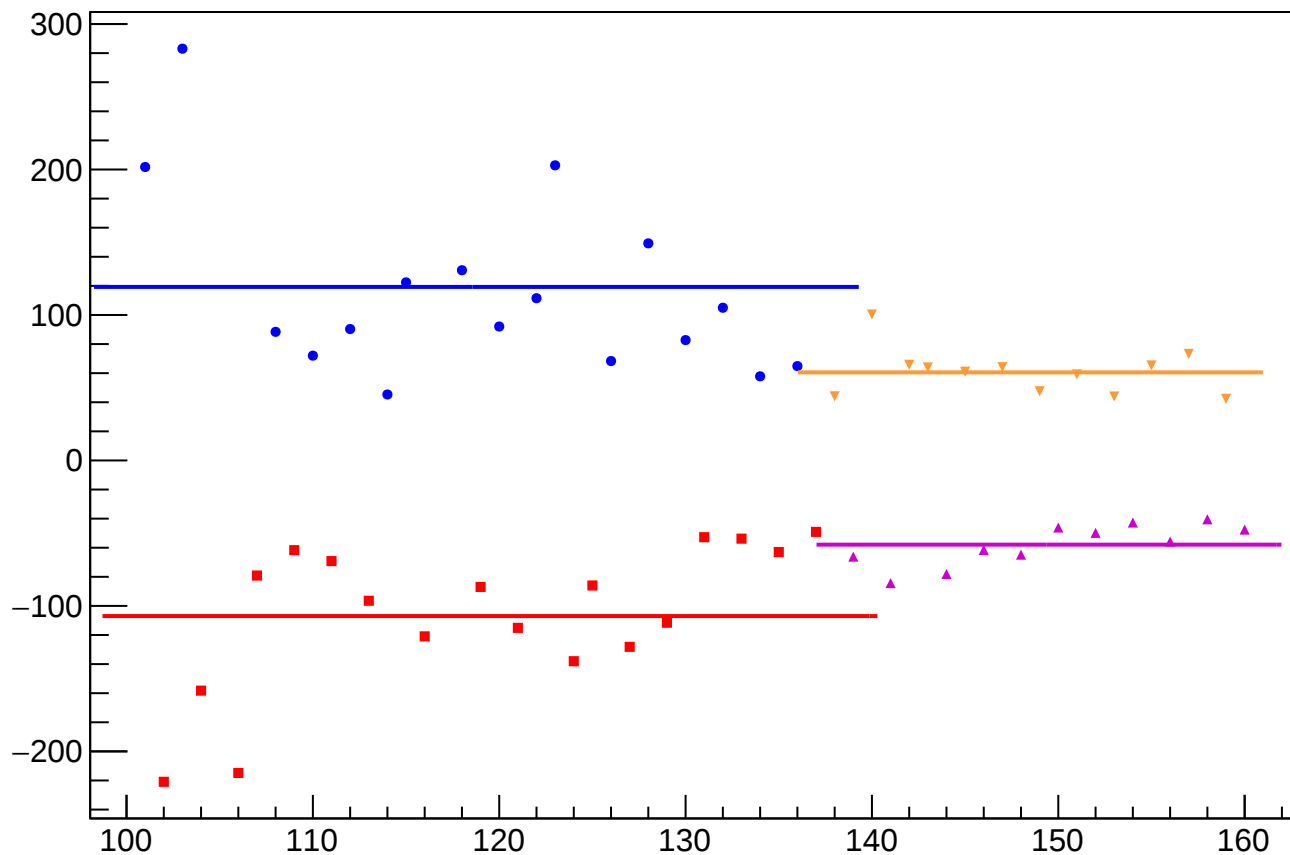
Left: -45.003 ± 0.000 $\chi^2/\text{NDF}: 2767859757374114$
 Right In: 990.104 ± 0.000 $\chi^2/\text{NDF}: 36894248833595574425684746704003268608.0/16$
 Left Out: 1178.253 ± 0.000 $\chi^2/\text{NDF}: 52167705532463382200265414592767721472.0/11$
 Right Out: -1001.684 ± 0.000 $\chi^2/\text{NDF}: 61351571695254109773751672489010790400.0/17$
 In: -286.905 ± 0.000 $\chi^2/\text{NDF}: 2040776092386221$
 Out: 218.490 ± 0.000 $\chi^2/\text{NDF}: 2015349576700865$
 Left In: -1236.792 ± 0.000 $\chi^2/\text{NDF}: 30308096320717107629965970940123676672.0/10$
 All: -34.441 ± 0.000 $\chi^2/\text{NDF}: 426372184117$

dit_sam5_coil6_mean vs Slug, Sign Corrected



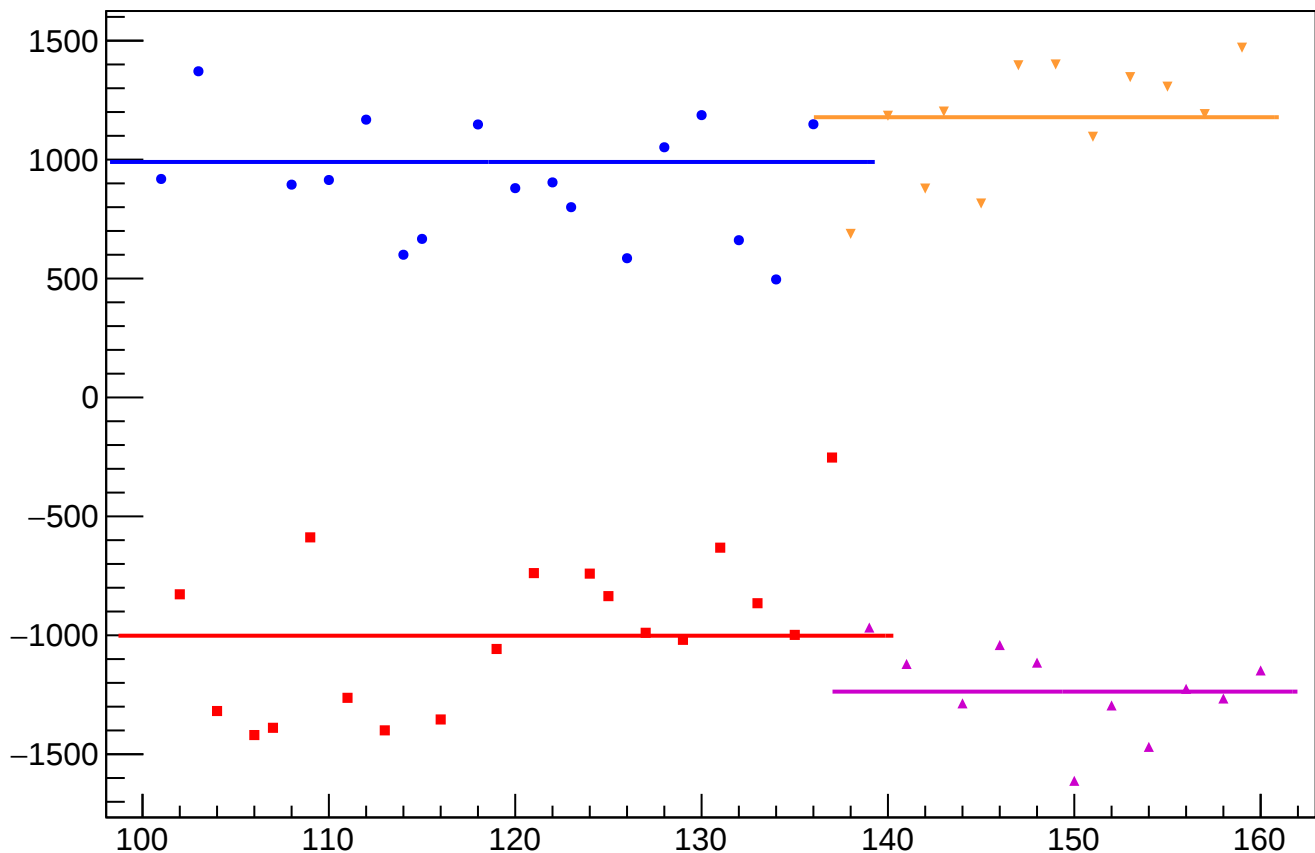
Left: -65.399 ± 0.000 $\chi^2/\text{NDF}: 4052242342768762$
 Right In: 165.547 ± 0.000 $\chi^2/\text{NDF}: 10658450336306933403777351351390508679168.0/16$
 Right: -66.136 ± 0.000 $\chi^2/\text{NDF}: 254044320443821$
 Left Out: -1155.357 ± 0.000 $\chi^2/\text{NDF}: 995504747952866911387640526565778915328.0/11$
 In: 642.067 ± 0.000 $\chi^2/\text{NDF}: 11857976732565089$
 Right Out: -291.015 ± 0.000 $\chi^2/\text{NDF}: 14672571981967891714112032575724497928192.0/17$
 Out: -774.812 ± 0.000 $\chi^2/\text{NDF}: 159670656453748$
 Left In: 996.521 ± 0.000 $\chi^2/\text{NDF}: 924719212965830410136097105357987381248.0/10$
 All: -65.719 ± 0.000 $\chi^2/\text{NDF}: 294566748207$

dit_sam5_coil6_err_mean vs Slug, Sign Corrected



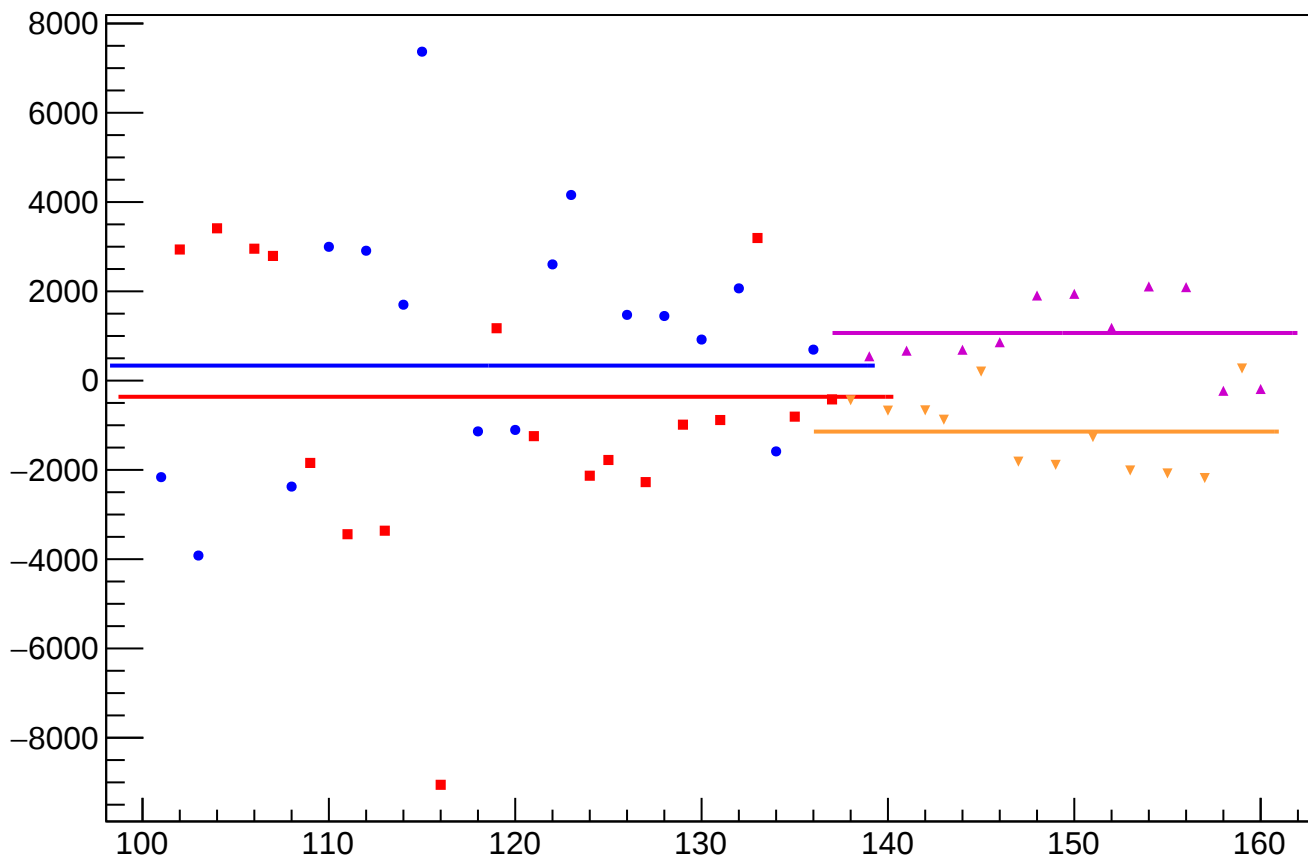
Right In: 119.288 $\pm$ 0.000 χ^2 /NDF: 2842654207411905514935251828991852544.0/16
 Left Out: 60.571 $\pm$ 0.000 χ^2 /NDF: 231982084385304468307819992004427776.0/11
 Right Out: -106.986 $\pm$ 0.000 χ^2 /NDF: 1915046958698396013008025410372370432.0/17
 Left In: -57.892 $\pm$ 0.000 χ^2 /NDF: 178748203070353408993612338219188224.0/10
 All: 2.257 $\pm$ 0.000 χ^2 /NDF: 29672950816930

dit_sam5_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_sam6_coil6_mean vs Slug, Sign Corrected



Right In: 336.537 +/- 0.000

χ^2/NDF : 3711385432707324073014239747985928880128.0/16

Left Out: -1141.700 +/- 0.000

χ^2/NDF : 670526328034965940264034289134346436608.0/11

Right Out: -362.052 +/- 0.000

χ^2/NDF : 5966784958004941474881704867040847724544.0/17

Left In: 1067.159 +/- 0.000

χ^2/NDF : 629450133544261438998185081673399402496.0/10

Left: -22.881 +/- 0.000 χ^2/NDF : 3546400911040833

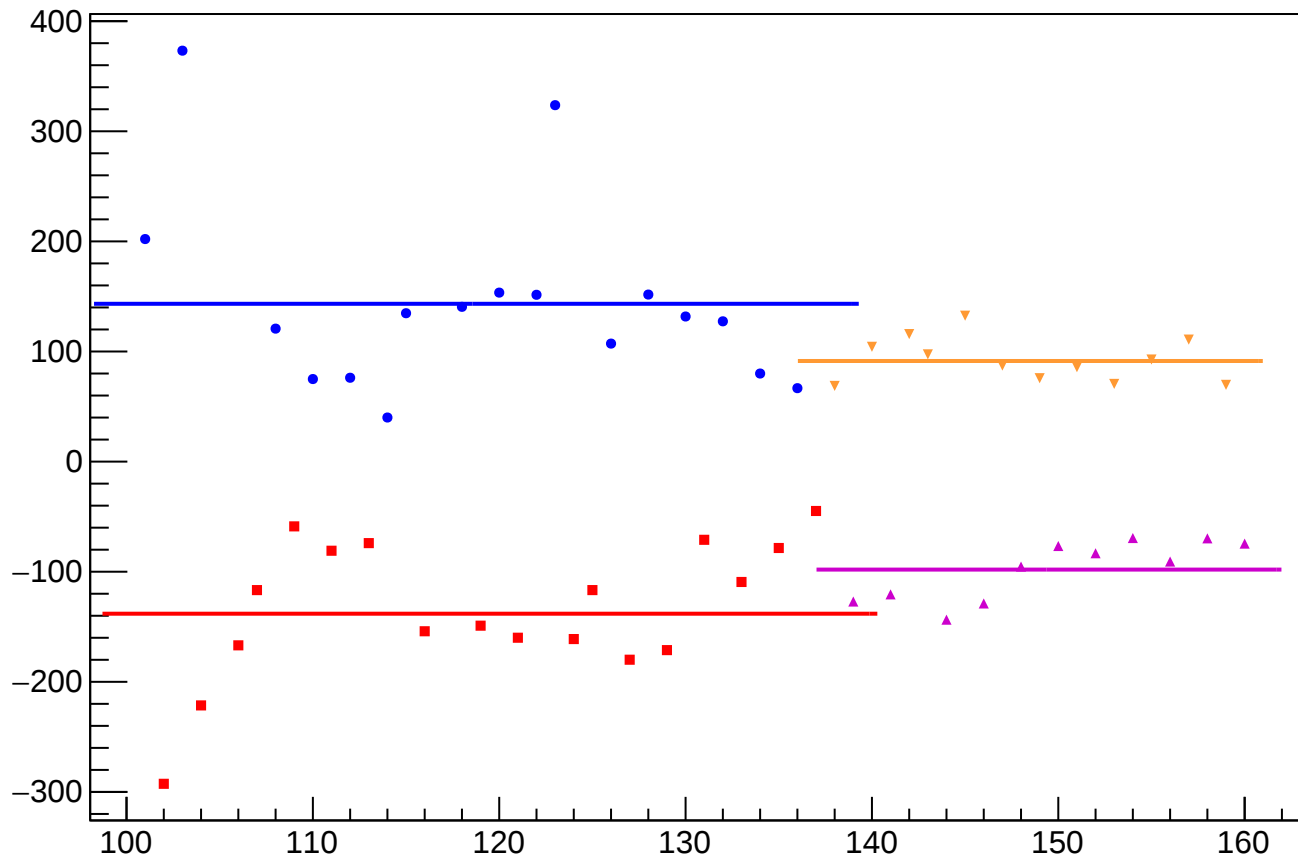
Right: -17.963 +/- 0.000 χ^2/NDF : 985003998805048

In: 755.511 +/- 0.000 χ^2/NDF : 45532764770089148

Out: -798.444 +/- 0.000 χ^2/NDF : 688057690299811

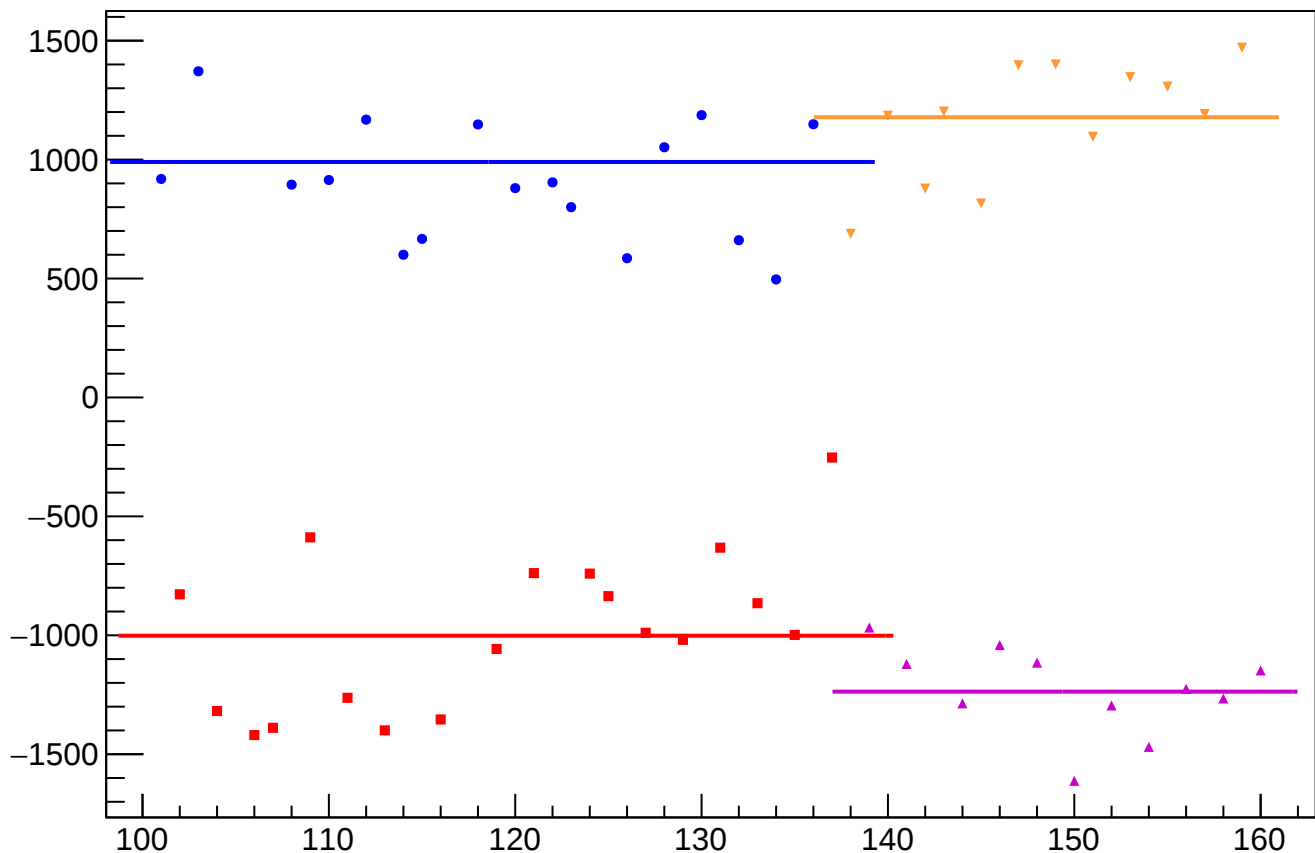
All: -20.750 +/- 0.000 χ^2/NDF : 133964602028

dit_sam6_coil6_err_mean vs Slug, Sign Corrected



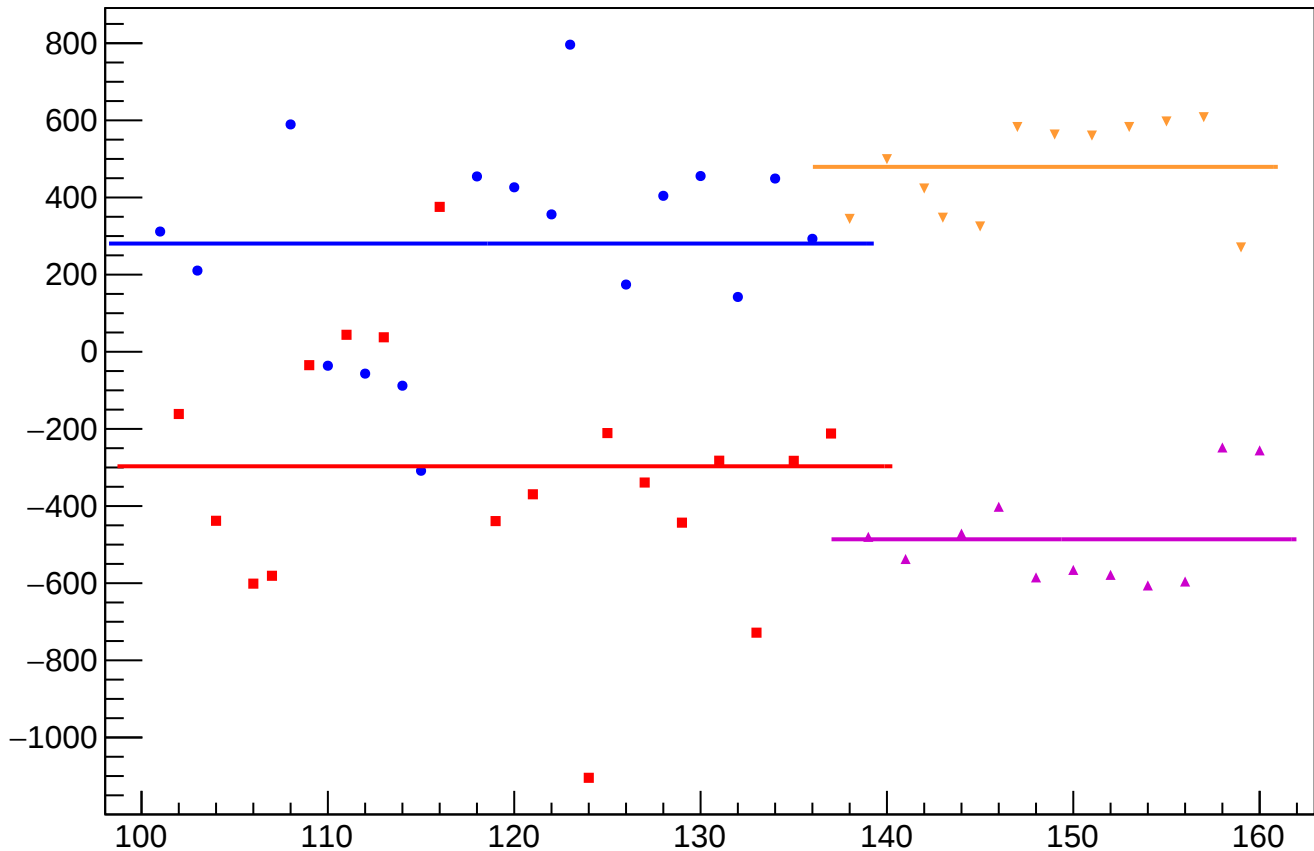
Left: -4.578 ± 0.000 $\chi^2/\text{NDF}: 17491553259507675$
 Right In: 143.327 ± 0.000 $\chi^2/\text{NDF}: 4671526487507242419296658853814337536.0/16$
 Left Out: 91.381 ± 0.000 $\chi^2/\text{NDF}: 342224682721014507534258785086341120.0/11$
 Right Out: -138.133 ± 0.000 $\chi^2/\text{NDF}: 3152322250150098804756661412355375104.0/17$
 Left In: -98.068 ± 0.000 $\chi^2/\text{NDF}: 624217570941141558165697948106620928.0/10$
 All: -2.377 ± 0.000 $\chi^2/\text{NDF}: 5323496357717$

dit_sam6_coil6_Ndata_mean vs Slug, Sign Corrected



Left: -45.003 ± 0.000 $\chi^2/\text{NDF}: 2767859757374114$
 Right In: 990.104 ± 0.000 $\chi^2/\text{NDF}: 36894248833595574425684746704003268608.0/16$
 Right: -20.633 ± 0.000 $\chi^2/\text{NDF}: 149538797073234$
 Left Out: 1178.253 ± 0.000 $\chi^2/\text{NDF}: 52167705532463382200265414592767721472.0/11$
 In: -286.905 ± 0.000 $\chi^2/\text{NDF}: 2040776092386221$
 Right Out: -1001.684 ± 0.000 $\chi^2/\text{NDF}: 61351571695254109773751672489010790400.0/17$
 Out: 218.490 ± 0.000 $\chi^2/\text{NDF}: 2015349576700865$
 Left In: -1236.792 ± 0.000 $\chi^2/\text{NDF}: 30308096320717107629965970940123676672.0/10$
 All: -34.441 ± 0.000 $\chi^2/\text{NDF}: 426372184117$

dit_sam7_coil6_mean vs Slug, Sign Corrected



Right In: 280.587+/-0.000

χ^2/NDF : 26873653578381248944514799501999865856.0/16

Left Out: 479.418+/-0.000

χ^2/NDF : 13285124498180385816264889724787752960.0/11

Right Out: -296.905+/-0.000

χ^2/NDF : 53152105752477344290303829793952497664.0/17

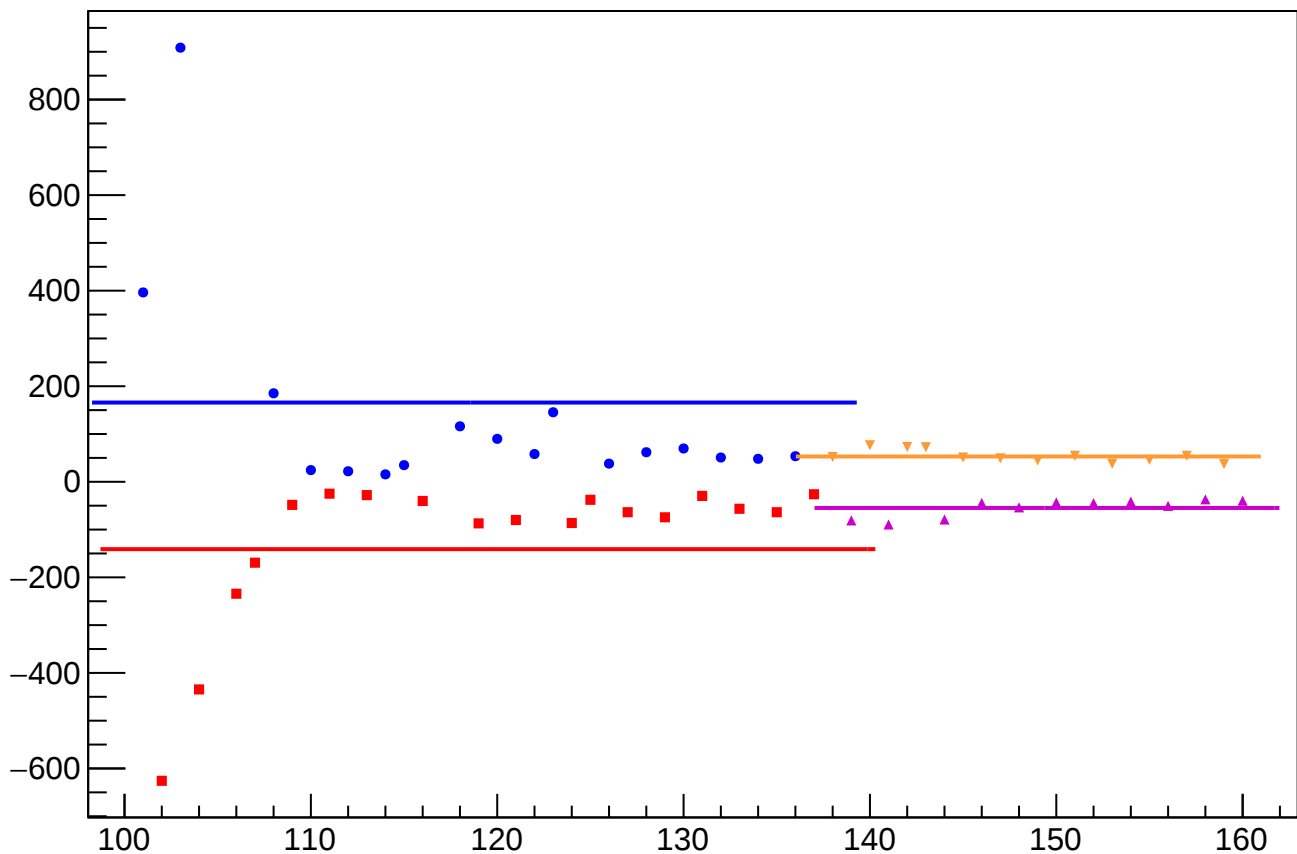
Left In: -486.206+/-0.000

χ^2/NDF : 14204620343976110093613729776425500672.0/10

All: -10.889+/-0.000

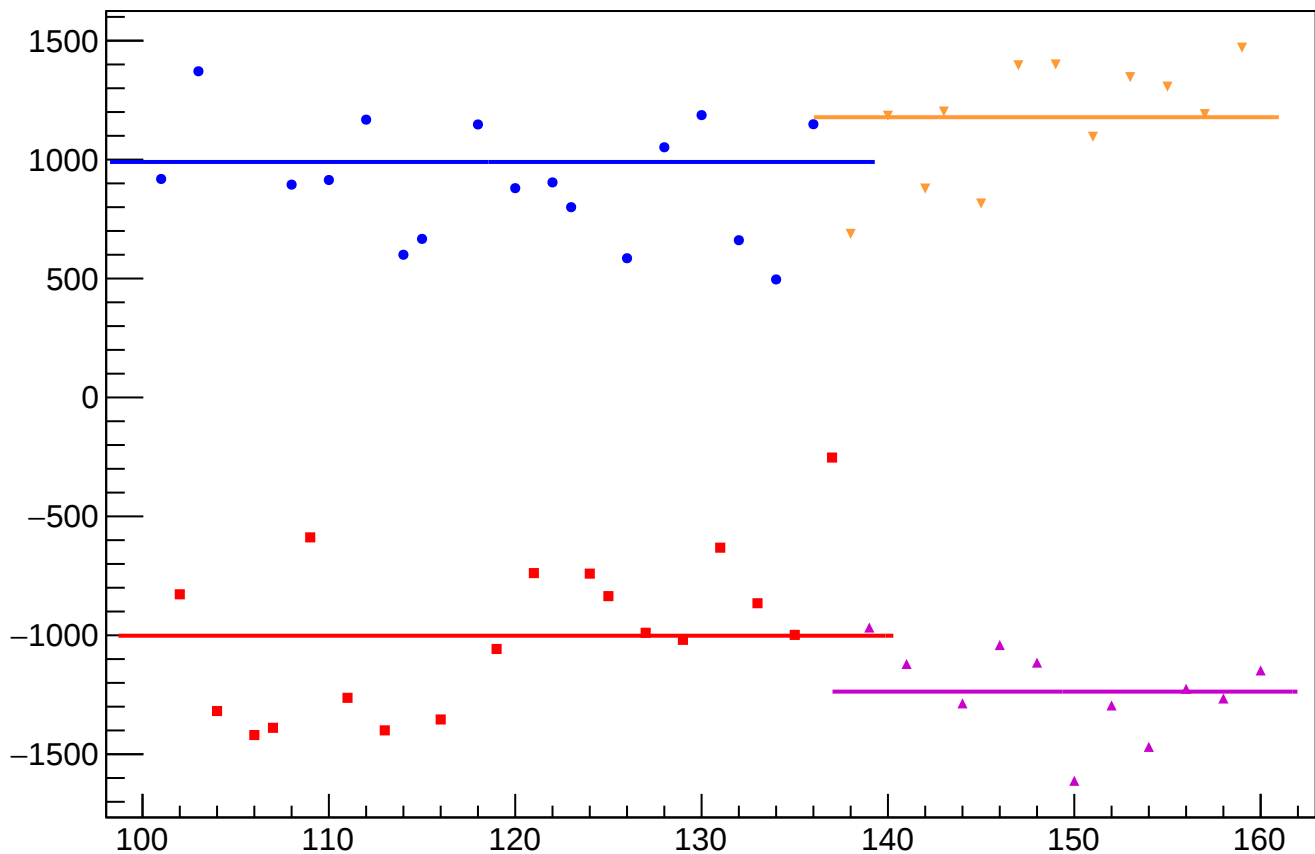
χ^2/NDF : 654280499150

dit_sam7_coil6_err_mean vs Slug, Sign Corrected



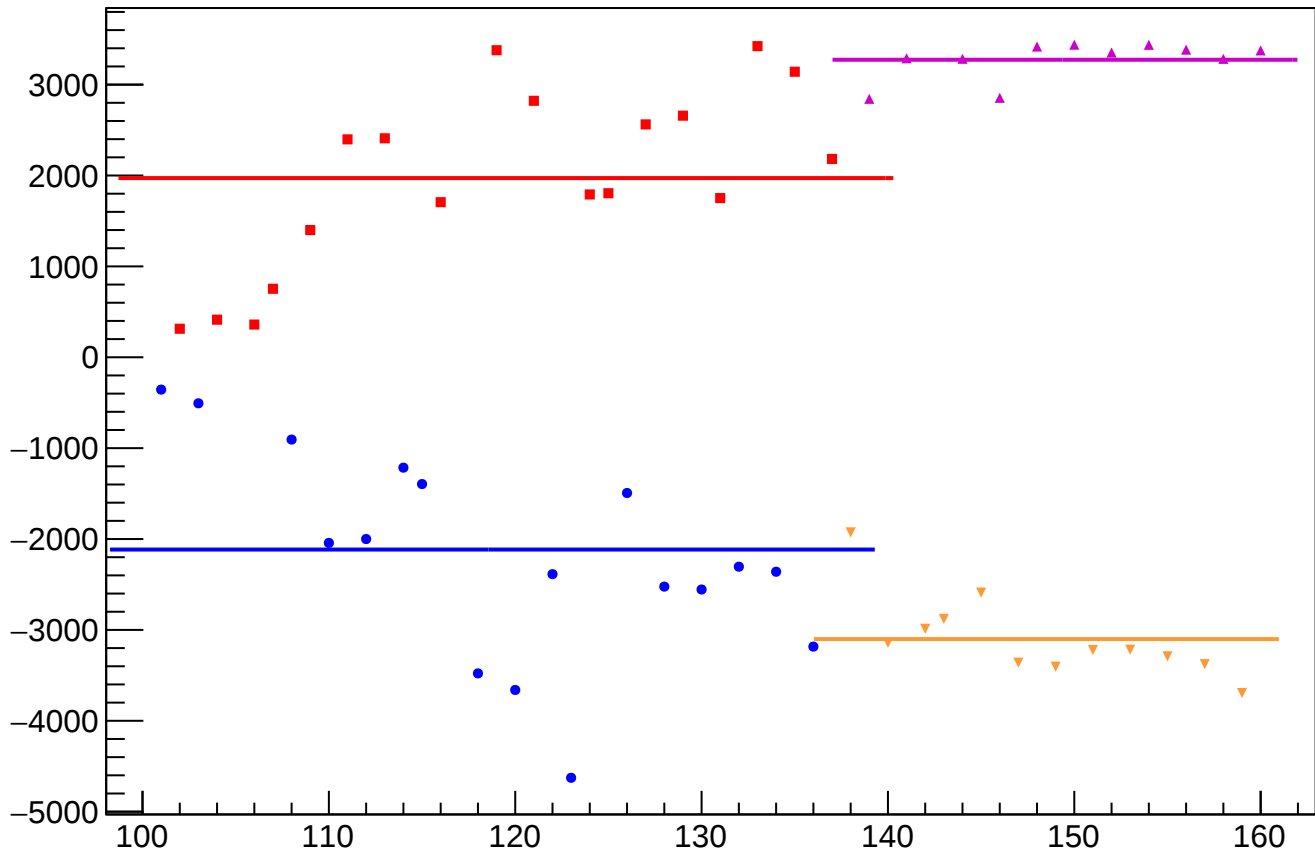
Left: -1.606 ± 0.000 $\chi^2/\text{NDF}: 57827567098124295$
 Right In: 165.841 ± 0.000 $\chi^2/\text{NDF}: 42388910284637758892134233675562745856.0/16$
 Right: 10.146 ± 0.000 $\chi^2/\text{NDF}: 9821617631078692$
 Left Out: 52.946 ± 0.000 $\chi^2/\text{NDF}: 140060109724135025714892303400697856.0/11$
 In: 39.341 ± 0.000 $\chi^2/\text{NDF}: 62057297470429168$
 Right Out: -140.976 ± 0.000 $\chi^2/\text{NDF}: 22674964646016742017185923250652184576.0/17$
 Out: -32.433 ± 0.000 $\chi^2/\text{NDF}: 3786506653081306$
 Left In: -54.754 ± 0.000 $\chi^2/\text{NDF}: 302128520341219592884404395924520960.0/10$
 All: 3.487 ± 0.000 $\chi^2/\text{NDF}: 10410918738186$

dit_sam7_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_sam8_coil6_mean vs Slug, Sign Corrected



Right In: -2115.686+/-0.000

Left Out: -3100.691+/-0.000

Right Out: 1971.716+/-0.000

Left In: 3273.761+/-0.000

χ^2/NDF : 754451931643030128758883529777223827456.0/16

χ^2/NDF : 183916401222864919809075393490919096320.0/11

χ^2/NDF : 778865201263461024769541360998730956800.0/17

χ^2/NDF : 38674829040753317782722595133075750912.0/10

Left: 128.062+/-0.000 χ^2/NDF : 1893120264255816

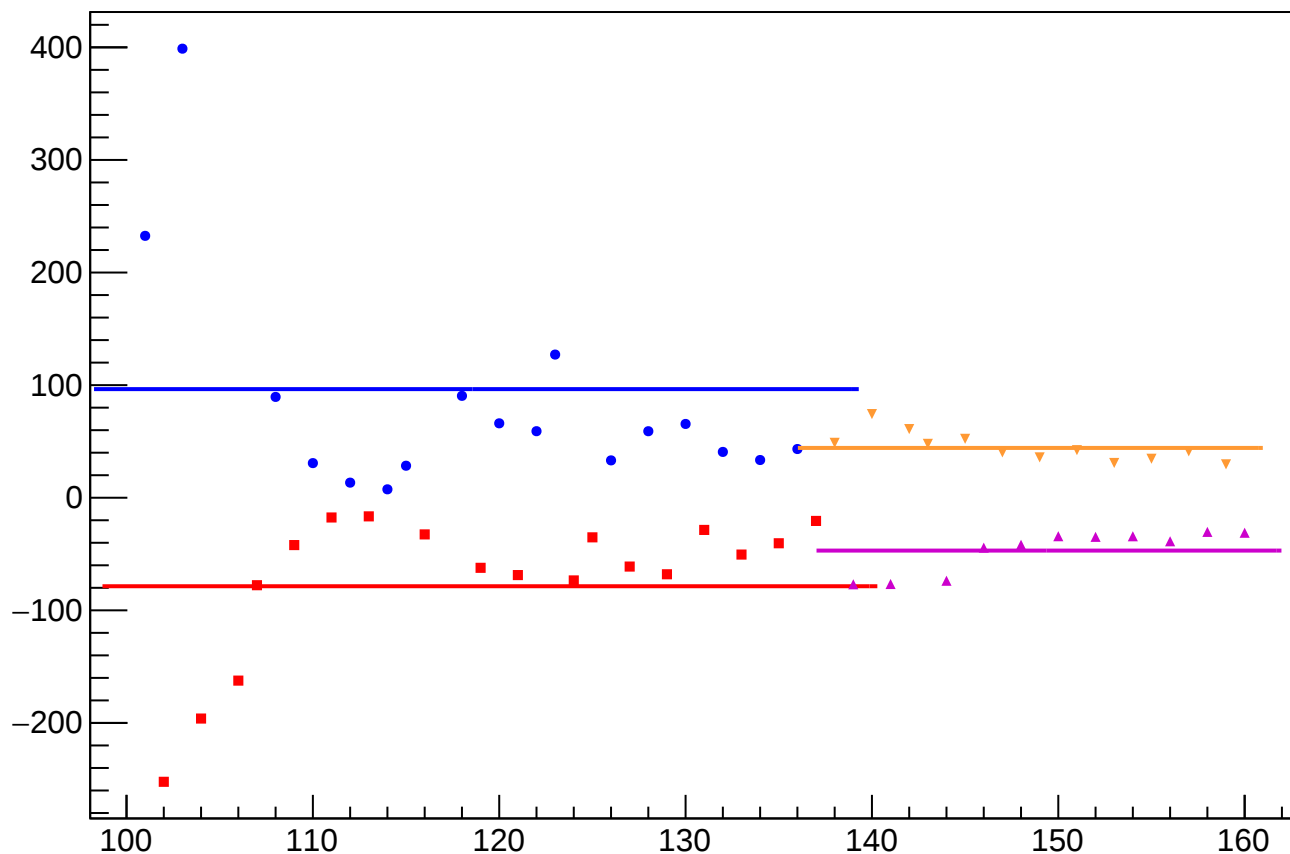
Right: -41.525+/-0.000 χ^2/NDF : 741699927533891

In: 974.882+/-0.000 χ^2/NDF : 12352701801600156

Out: -867.457+/-0.000 χ^2/NDF : 112598146486417

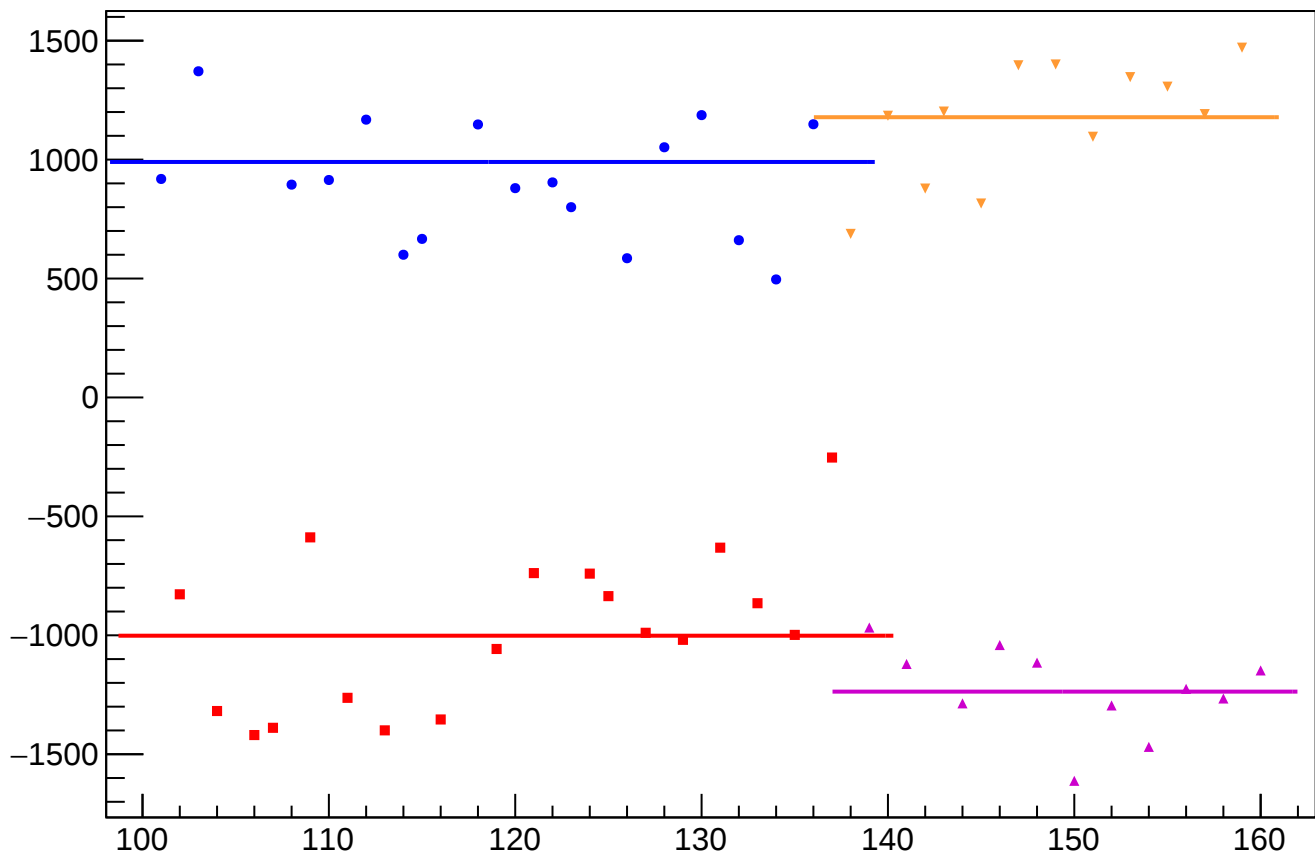
All: 54.562+/-0.000 χ^2/NDF : 2637116183170

dit_sam8_coil6_err_mean vs Slug, Sign Corrected



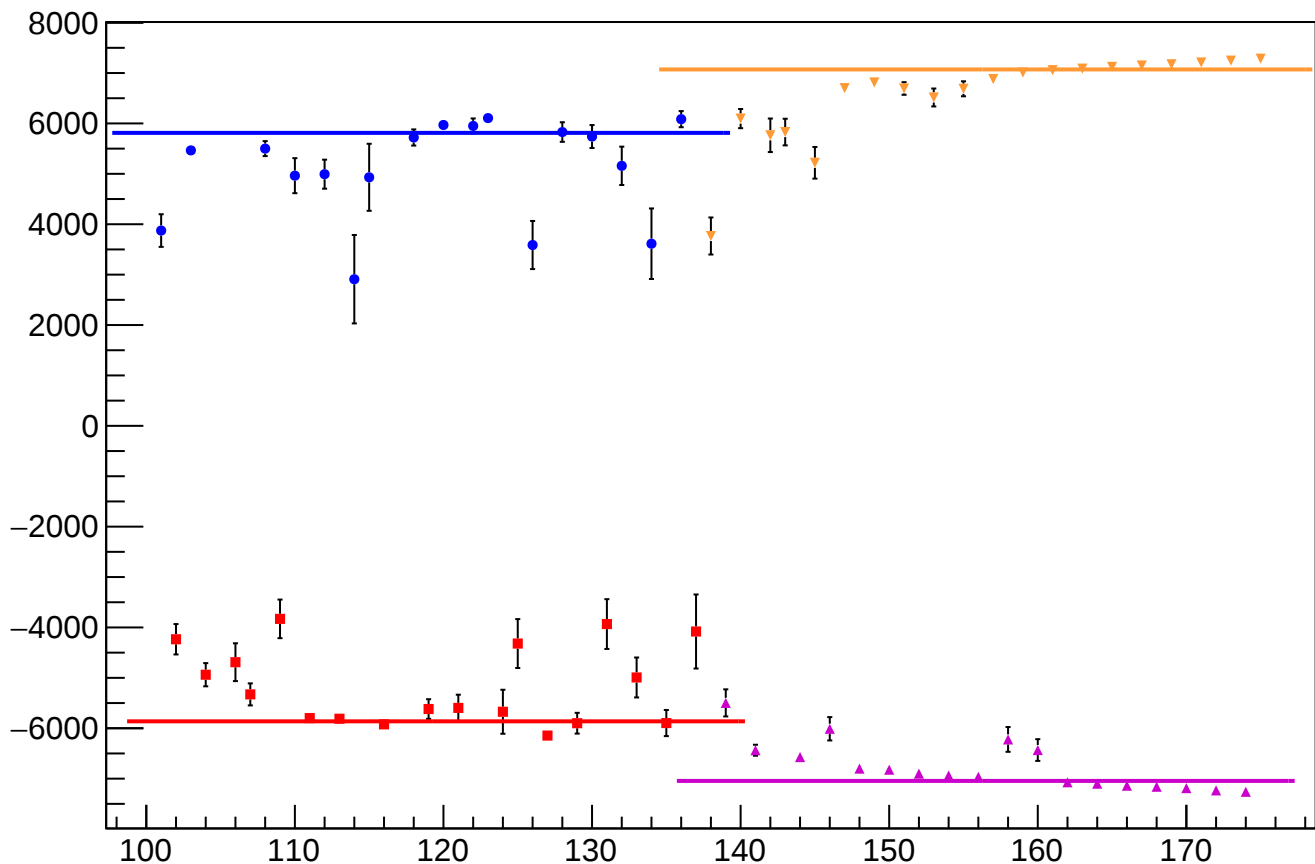
Left: -1.943 +/- 0.000 χ^2/NDF : 42742486824140668
 Right In: 96.465 +/- 0.000 χ^2/NDF : 7977727256930133620372701565161570304.0/16
 Right: 7.628 +/- 0.000 χ^2/NDF : 22269901210536974
 Left Out: 44.236 +/- 0.000 χ^2/NDF : 142258955441054075250551696151019520.0/11
 In: 14.233 +/- 0.000 χ^2/NDF : 164662717940019085
 Right Out: -78.600 +/- 0.000 χ^2/NDF : 3499001556563234508710770672385654784.0/17
 Out: -9.845 +/- 0.000 χ^2/NDF : 96798266863773113
 Left In: -46.934 +/- 0.000 χ^2/NDF : 304947612143078258069151469537329152.0/10
 All: 2.205 +/- 0.000 χ^2/NDF : 26617277568186

dit_sam8_coil6_Ndata_mean vs Slug, Sign Corrected



Left: -45.003+/-0.000 χ^2/NDF : 2767859757374114
 Right In: 990.104+/-0.000 χ^2/NDF : 36894248833595574425684746704003268608.0/16
 Right: -20.633+/-0.000 χ^2/NDF : 149538797073234
 Left Out: 1178.253+/-0.000 χ^2/NDF : 52167705532463382200265414592767721472.0/11
 In: -286.905+/-0.000 χ^2/NDF : 2040776092386221
 Right Out: -1001.684+/-0.000 χ^2/NDF : 61351571695254109773751672489010790400.0/17
 Out: 218.490+/-0.000 χ^2/NDF : 2015349576700865
 Left In: -1236.792+/-0.000 χ^2/NDF : 30308096320717107629965970940123676672.0/10
 All: -34.441+/-0.000 χ^2/NDF : 426372184117

dit_run_mean vs Slug, Sign Corrected



Right In: 5812.740 ± 0.171 $\chi^2/\text{NDF}: 2217854.6/16$

Left Out: 7071.193 ± 0.142 $\chi^2/\text{NDF}: 1110196.0/19$

Right Out: -5862.788 ± 0.139 $\chi^2/\text{NDF}: 199291.9/17$

Left In: -7044.825 ± 0.115 $\chi^2/\text{NDF}: 2007521.4/17$

Left: -1473.906 ± 0.089 $\chi^2/\text{NDF}: 5993843648.3/37$

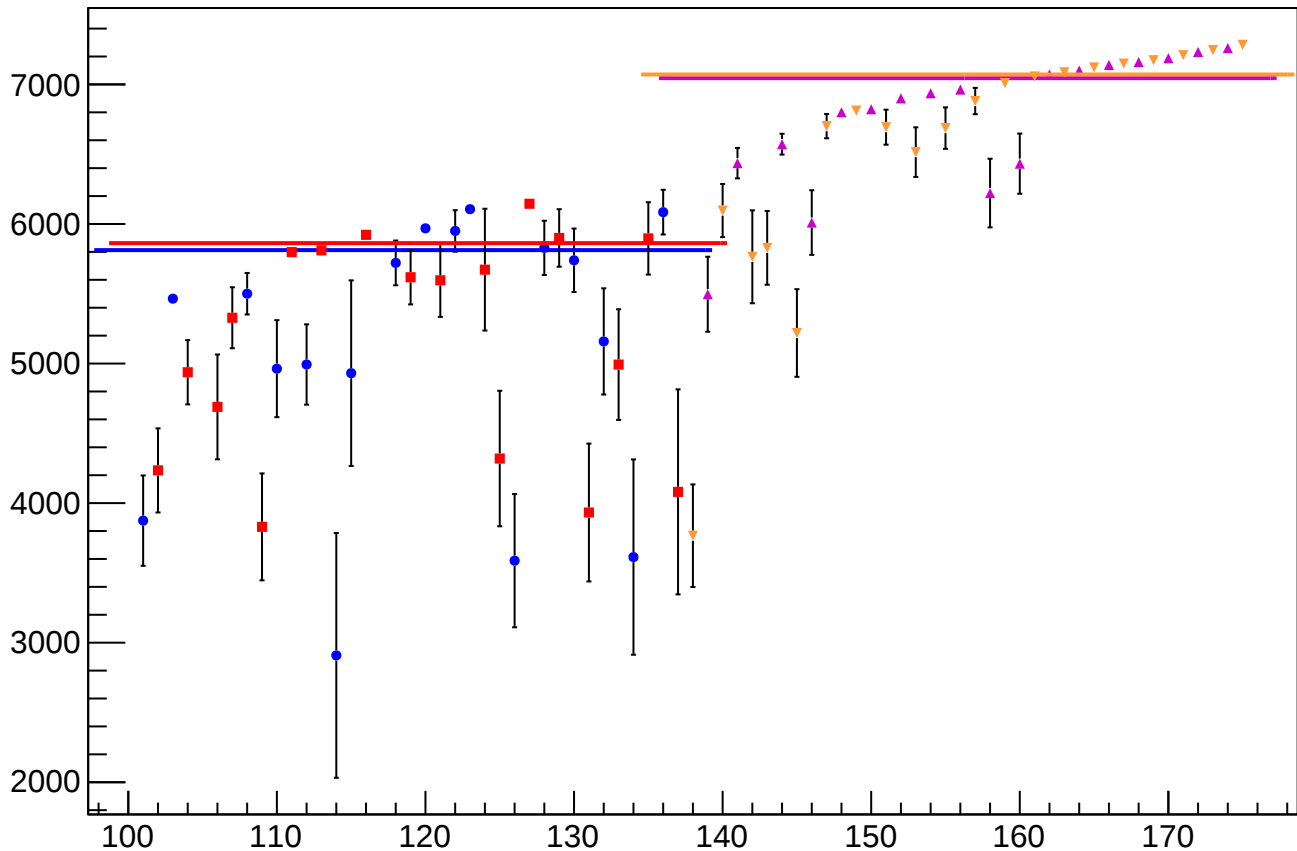
Right: -1193.446 ± 0.108 $\chi^2/\text{NDF}: 2813995894.0/37$

In: -3047.325 ± 0.095 $\chi^2/\text{NDF}: 3919729489.7/34$

Out: 482.351 ± 0.099 $\chi^2/\text{NDF}: 4233755299.4/37$

All: -1360.096 ± 0.069 $\chi^2/\text{NDF}: 8811856433$

dit_run_rms vs Slug, Sign Corrected



Right In: 5812.740+/-0.171 χ^2 /NDF: 2217854.6/16

Left Out: 7071.193+/-0.142 χ^2 /NDF:1110196.0/19

Right Out: 5862.788+/-0.139 χ^2 /NDF: 199291.9/17

Left In: 7044.825+/-0.115 χ^2 /NDF:2007521.4/17

Left: 7055.231+/-0.089 χ^2 /NDF: 3138620.4/37

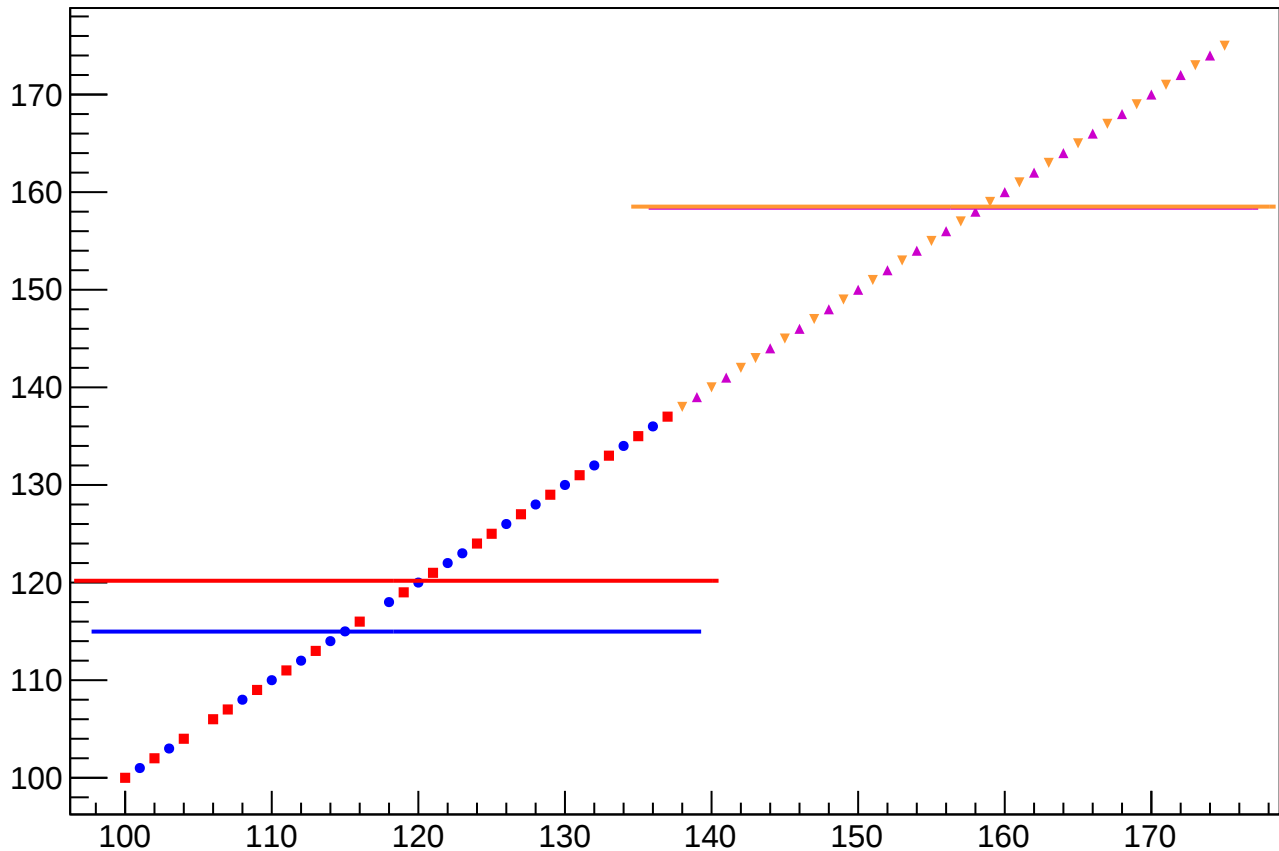
Right: 5842.773+/-0.108 χ^2 /NDF: 2468807.9/34

In: 6661.762+/-0.095 χ^2 /NDF:40179720.3/34

Out: 6455.606+/-0.099 χ^2 /NDF:38254174.0/37

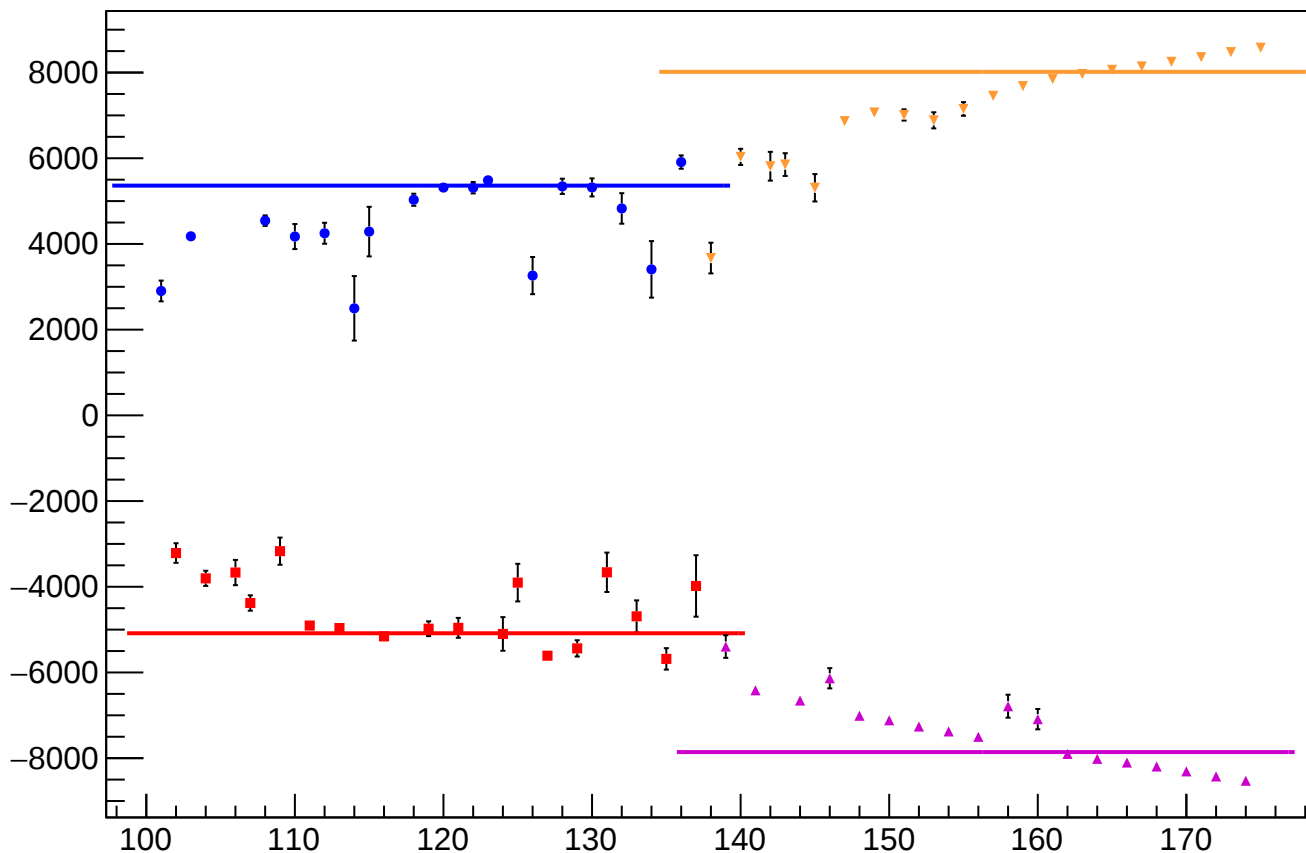
All: 6563.217+/-0.069 χ^2 /NDF: 80679804.5/71

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 : 81132188890785263948948767244288.0/19
 Right Out: 120.186+/-0.000 χ^2/NDF : 52233253644261695528198041763840.0/18
 Left In: 158.404+/-0.000 χ^2/NDF : 87797270339182933586970960461824.0/17
 All: 134.747+/-0.000 χ^2/NDF : 216460428087.0/20

dit_cyclenum_mean vs Slug, Sign Corrected



Right In: 5361.298 $\pm$ 0.441 χ^2/NDF : 607948.2/16

Left Out: 8016.547 $\pm$ 0.524 χ^2/NDF : 721969.7/19

Right Out: -5085.163 $\pm$ 0.644 χ^2/NDF : 80603.0/17

Left In: -7857.566 $\pm$ 0.468 χ^2/NDF : 1171564.9/17

Left: -817.195 $\pm$ 0.349 χ^2/NDF : 512021620.9/37

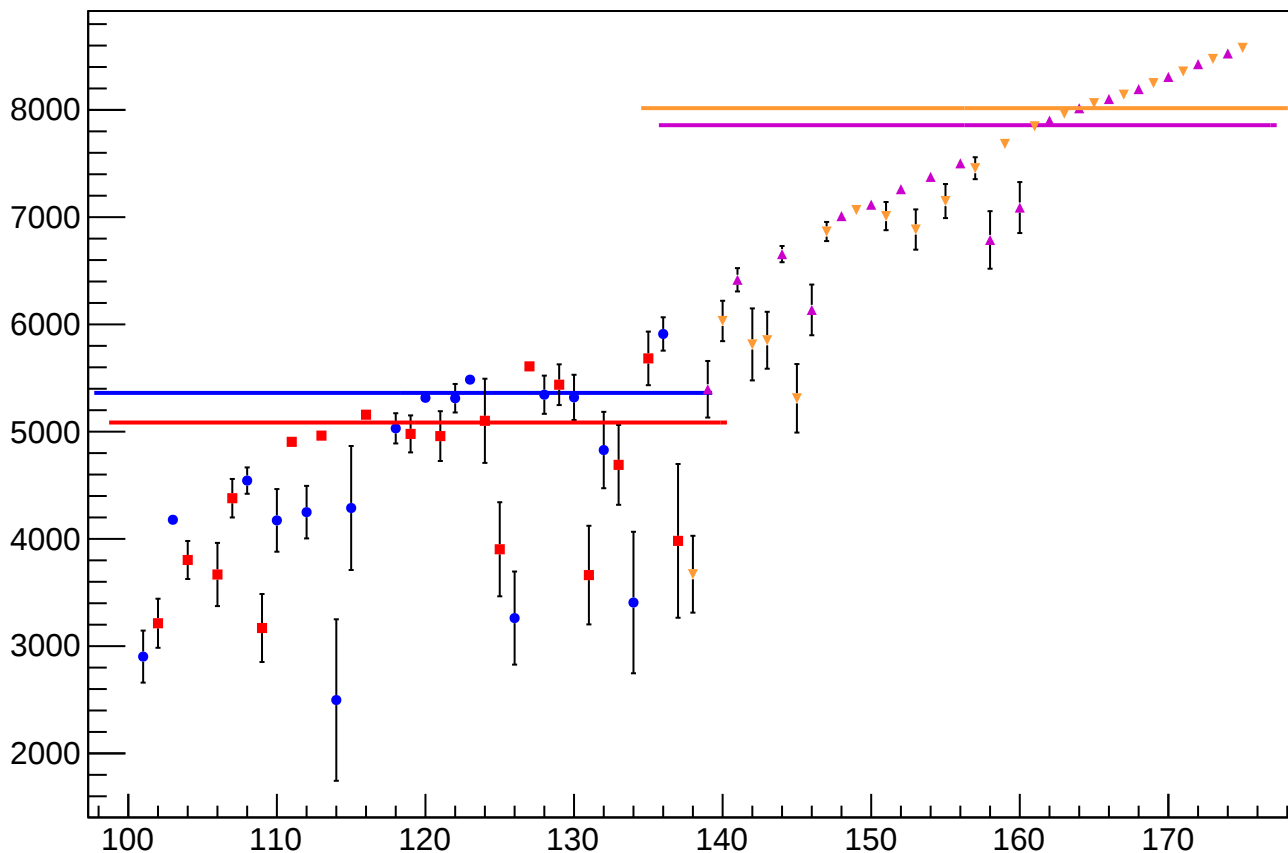
Right: 2021.502 $\pm$ 0.364 χ^2/NDF : 179839669.6/34

In: -859.469 $\pm$ 0.321 χ^2/NDF : 424028245.8/34

Out: 2791.561 $\pm$ 0.407 χ^2/NDF : 249836282.7/37

All: 543.188 $\pm$ 0.252 χ^2/NDF : 723536479.2/7

dit_cyclenum_rms vs Slug, Sign Corrected



Right In: 5361.298 $\pm$ 0.441 χ^2 /NDF: 607948.2/16

Left Out: 8016.547 $\pm$ 0.524 χ^2 /NDF: 721969.7/19

Right Out: 5085.163 $\pm$ 0.644 χ^2 /NDF: 80603.0/17

Left In: 7857.566 $\pm$ 0.468 χ^2 /NDF: 1171564.9/17

Left: 7928.076 $\pm$ 0.349 χ^2 /NDF: 1944701.8/37

Right: 5273.016 $\pm$ 0.364 χ^2 /NDF: 813728.5/34

In: 6536.036 $\pm$ 0.321 χ^2 /NDF: 16837339.3/34

Out: 6847.506 $\pm$ 0.407 χ^2 /NDF: 13269162.8/37

All: 6655.697 $\pm$ 0.252 χ^2 /NDF: 30468005.1/74

dit_scandata1_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_scandata1_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_scandata2_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

dit_scandata2_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

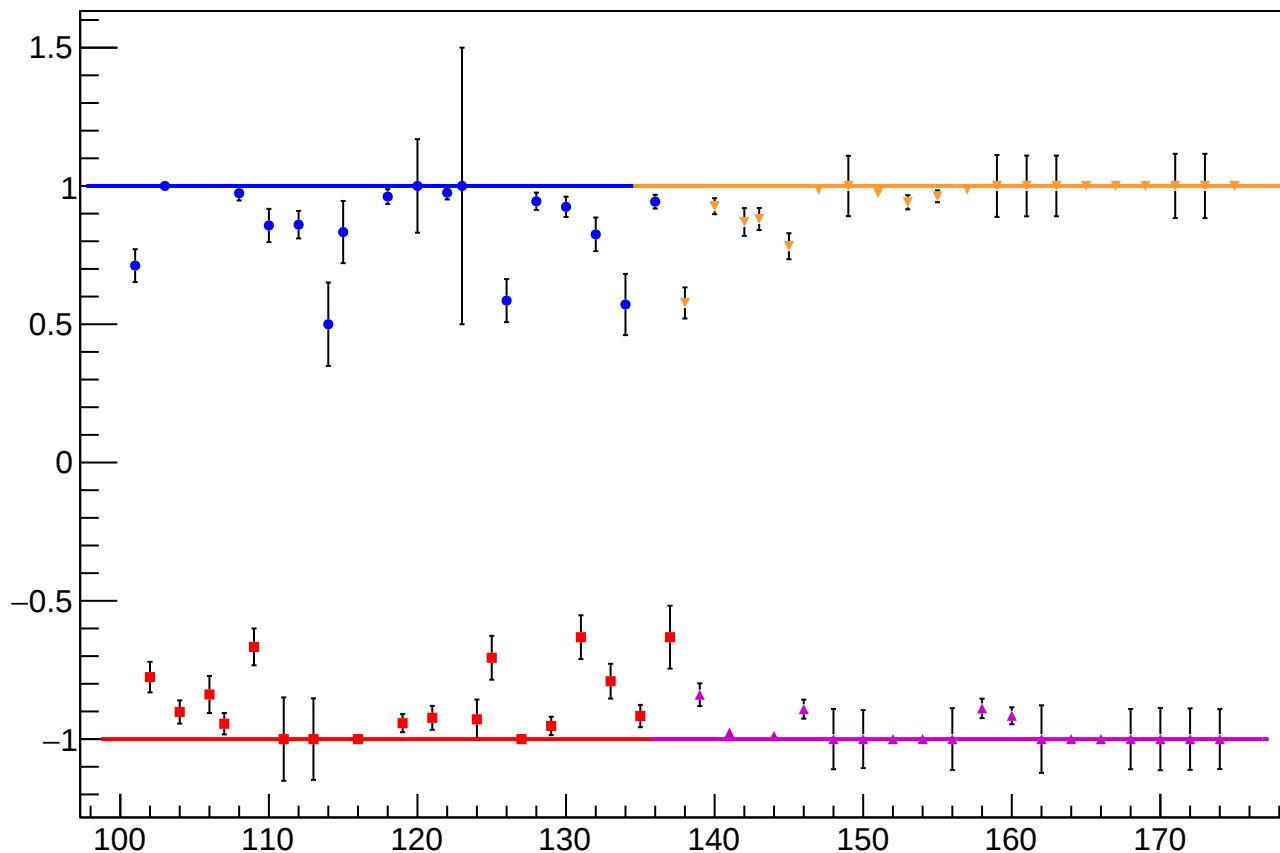
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

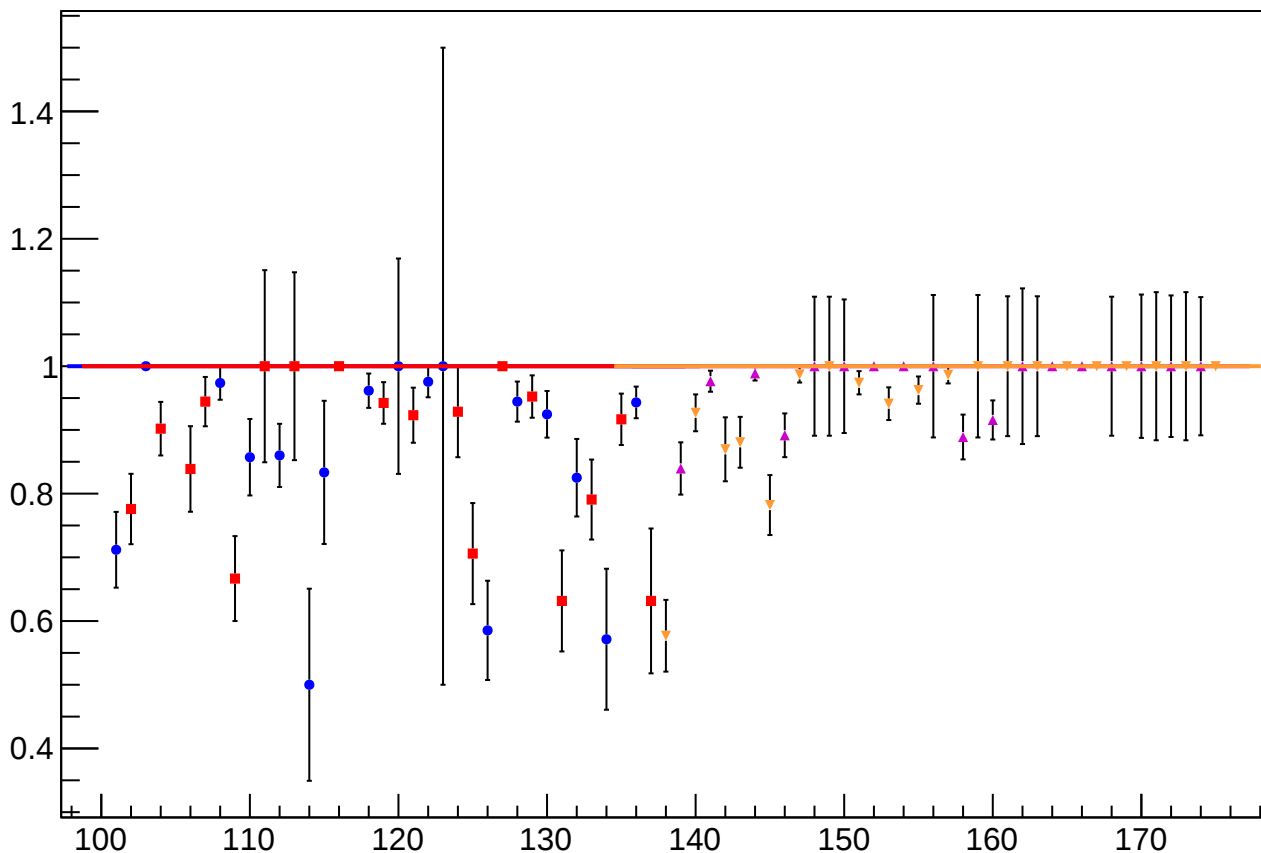
dit_flag_mean vs Slug, Sign Corrected



Right In: 1.000+/-0.000 χ^2/NDF : 118.6/16
 Left Out: 1.000+/-0.000 χ^2/NDF : 1591.4/19
 Right Out: -1.000+/-0.000 χ^2/NDF : 192.3/17
 Left In: -1.000+/-0.000 χ^2/NDF : 1081.3/17

Left: -0.149+/-0.000 χ^2/NDF : 22036737626399208
 Right: -0.072+/-0.000 χ^2/NDF : 2522158199033292
 In: -0.833+/-0.000 χ^2/NDF : 431339244237658838
 Out: 0.752+/-0.000 χ^2/NDF : 476125809443944448
 All: -0.141+/-0.000 χ^2/NDF : 2457223769312

dit_flag_rms vs Slug, Sign Corrected



Right In: 1.000 ± 0.000 χ^2/NDF : 118.6/16

Left Out: 1.000 ± 0.000 χ^2/NDF : 1591.4/19

Right Out: 1.000 ± 0.000 χ^2/NDF : 192.3/17

Left In: 1.000 ± 0.000 χ^2/NDF : 1081.3/17

Left: 1.000 ± 0.000 χ^2/NDF : 685.2/37

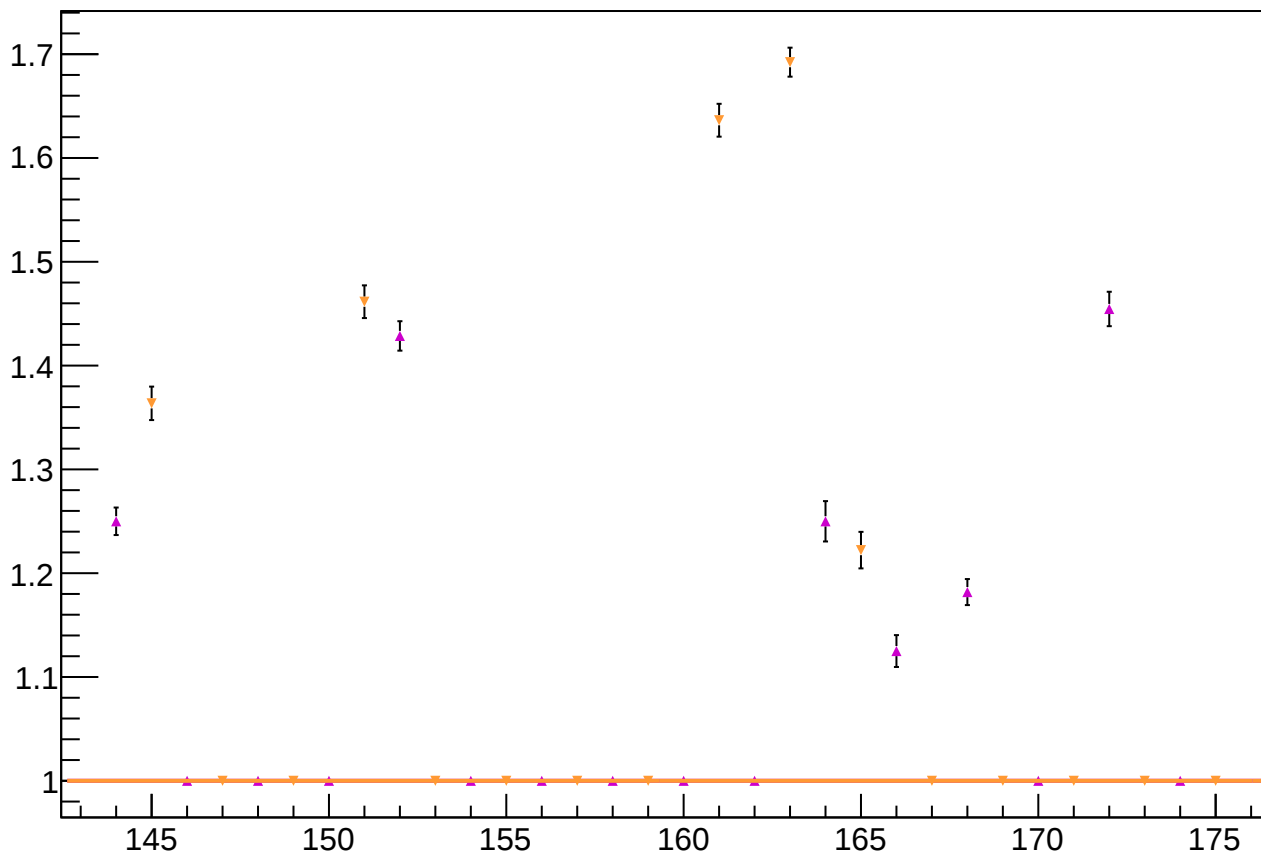
Right: 1.000 ± 0.000 χ^2/NDF : 243.9/34

In: 1.000 ± 0.000 χ^2/NDF : 514.4/34

Out: 1.000 ± 0.000 χ^2/NDF : 600.7/37

All: 1.000 ± 0.000 χ^2/NDF : 1113.1/72

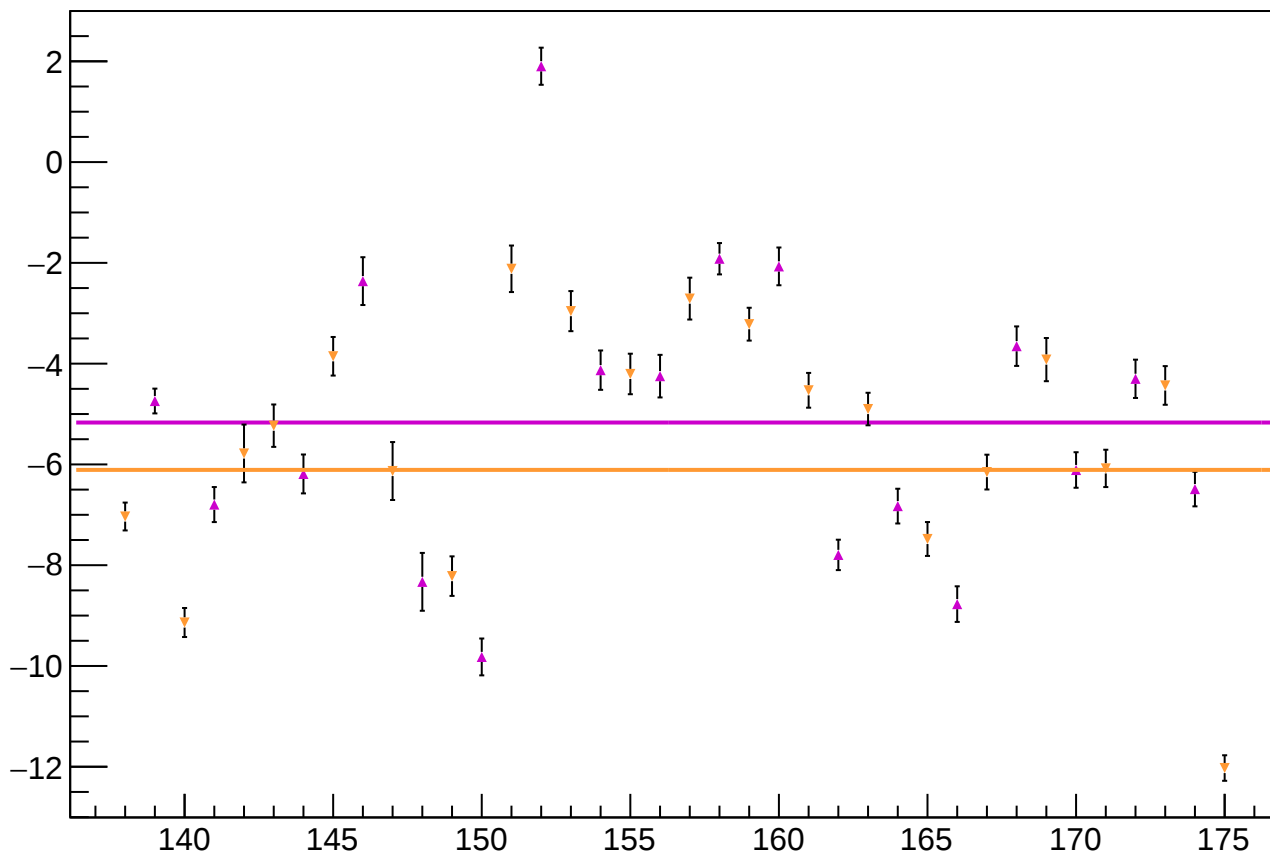
dit_segment_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: 1.000+/-0.000 χ^2/NDF : 6485.6/15
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: 1.000+/-0.000 χ^2/NDF : 3288.0/15

Left: 1.000+/-0.000 χ^2/NDF : 12161.4/31
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
In: 1.000+/-0.000 χ^2/NDF : 3288.0/15
Out: 1.000+/-0.000 χ^2/NDF : 6485.6/15
All: 1.000+/-0.000 χ^2/NDF : 12161.4/31

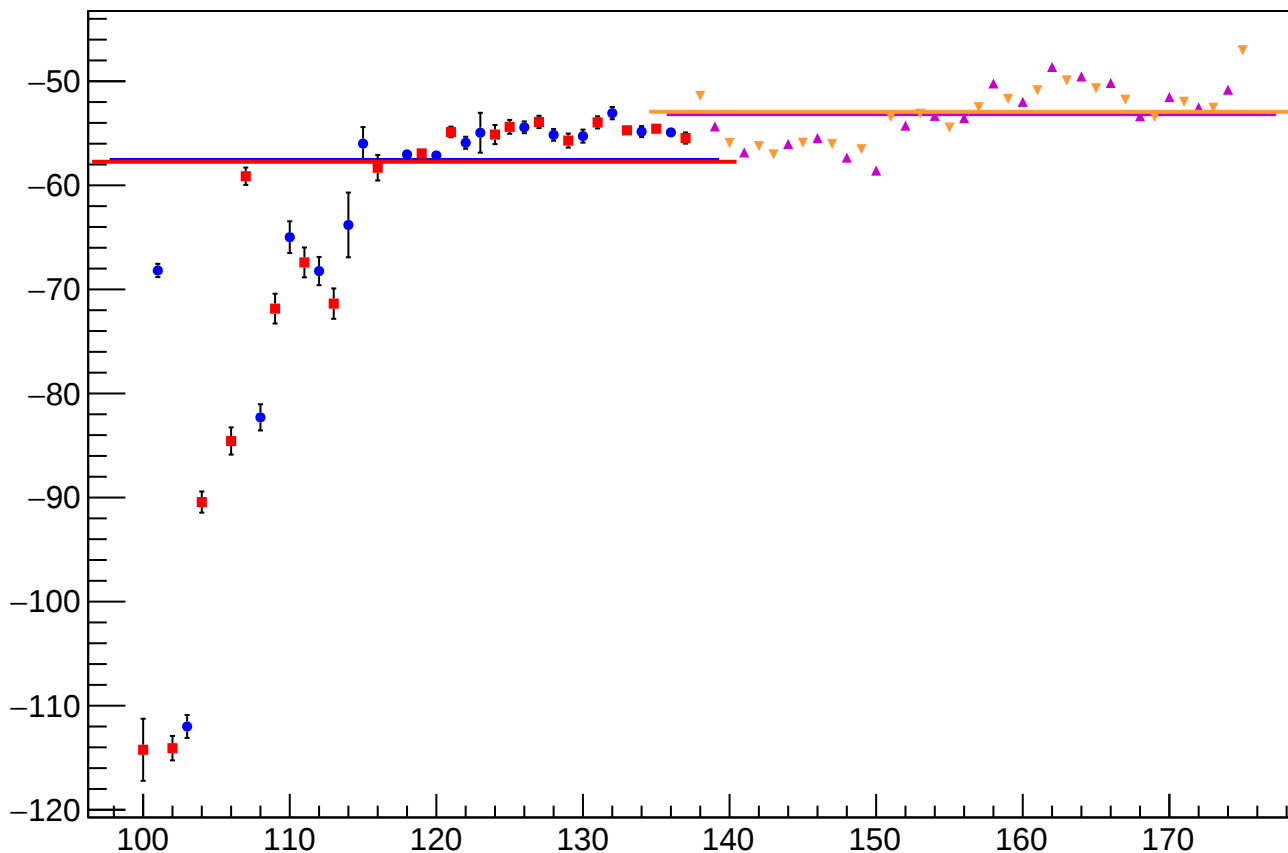
reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -6.109 $\pm$ 0.081 χ^2/NDF :1137.6/19
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -5.169 $\pm$ 0.084 χ^2/NDF :1062.1/17

Left: -5.658 $\pm$ 0.058 χ^2/NDF : 2264.4/37
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: -5.169 $\pm$ 0.084 χ^2/NDF :1062.1/17
 Out: -6.109 $\pm$ 0.081 χ^2/NDF :1137.6/19
 All: -5.658 $\pm$ 0.058 χ^2/NDF : 2264.4/37

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.563 $\pm$ 0.141 χ^2 /NDF: 3455.9/16

Left Out: -52.932 $\pm$ 0.062 χ^2 /NDF:1818.3/19

Right Out: -57.736 $\pm$ 0.143 χ^2 /NDF: 4698.4/18

Left In: -53.158 $\pm$ 0.066 χ^2 /NDF:1990.3/17

Left: -53.039 $\pm$ 0.045 χ^2 /NDF: 3814.9/37

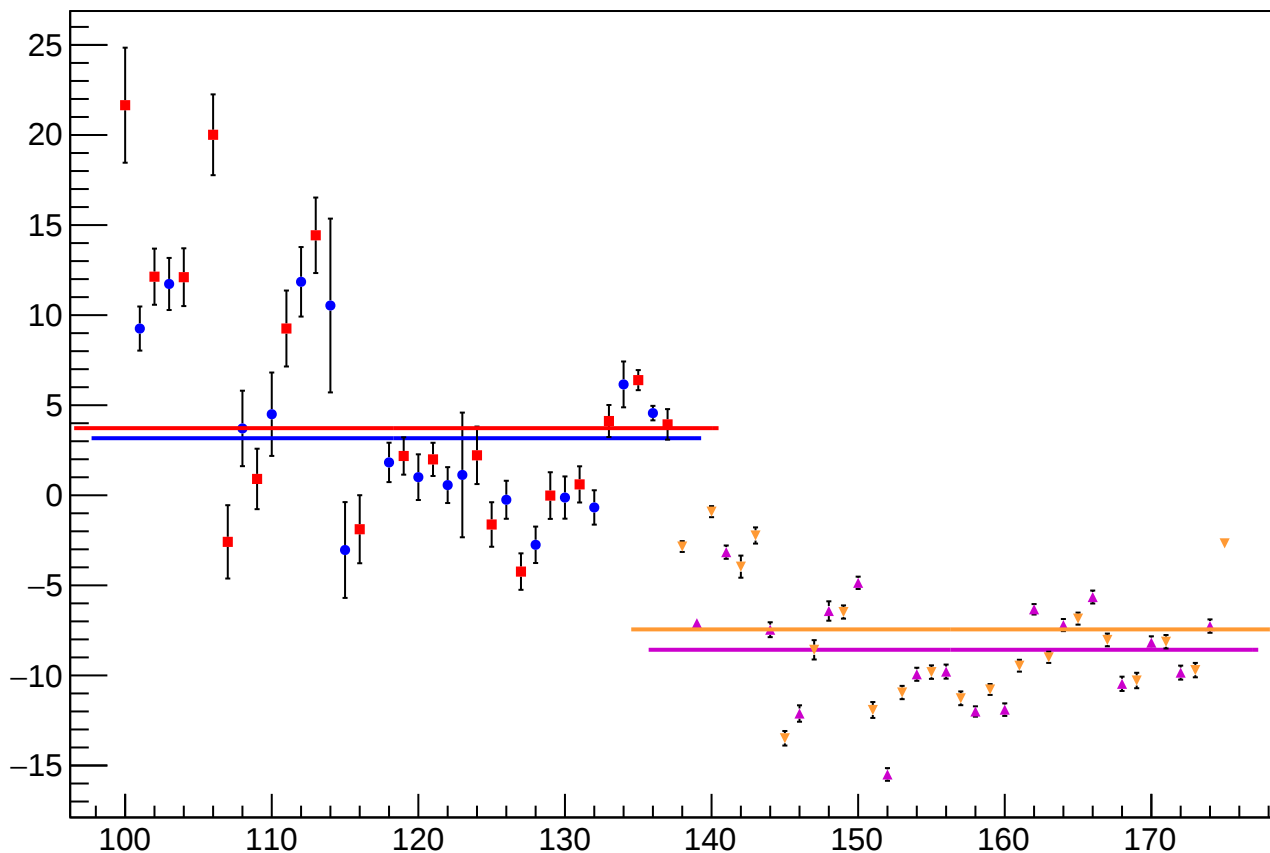
Right: -57.649 $\pm$ 0.101 χ^2 /NDF: 8155.1/35

In: -53.937 $\pm$ 0.059 χ^2 /NDF:6244.5/34

Out: -53.691 $\pm$ 0.057 χ^2 /NDF:7466.8/38

All: -53.808 $\pm$ 0.041 χ^2 /NDF: 13720.2/73

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.168 ± 0.258 χ^2/NDF : 186.2/16

Left Out: -7.445 ± 0.080 χ^2/NDF : 2049.7/19

Right Out: 3.726 ± 0.267 χ^2/NDF : 323.3/18

Left In: -8.576 ± 0.084 χ^2/NDF : 1279.7/17

Left: -7.989 ± 0.058 χ^2/NDF : 3424.6/37

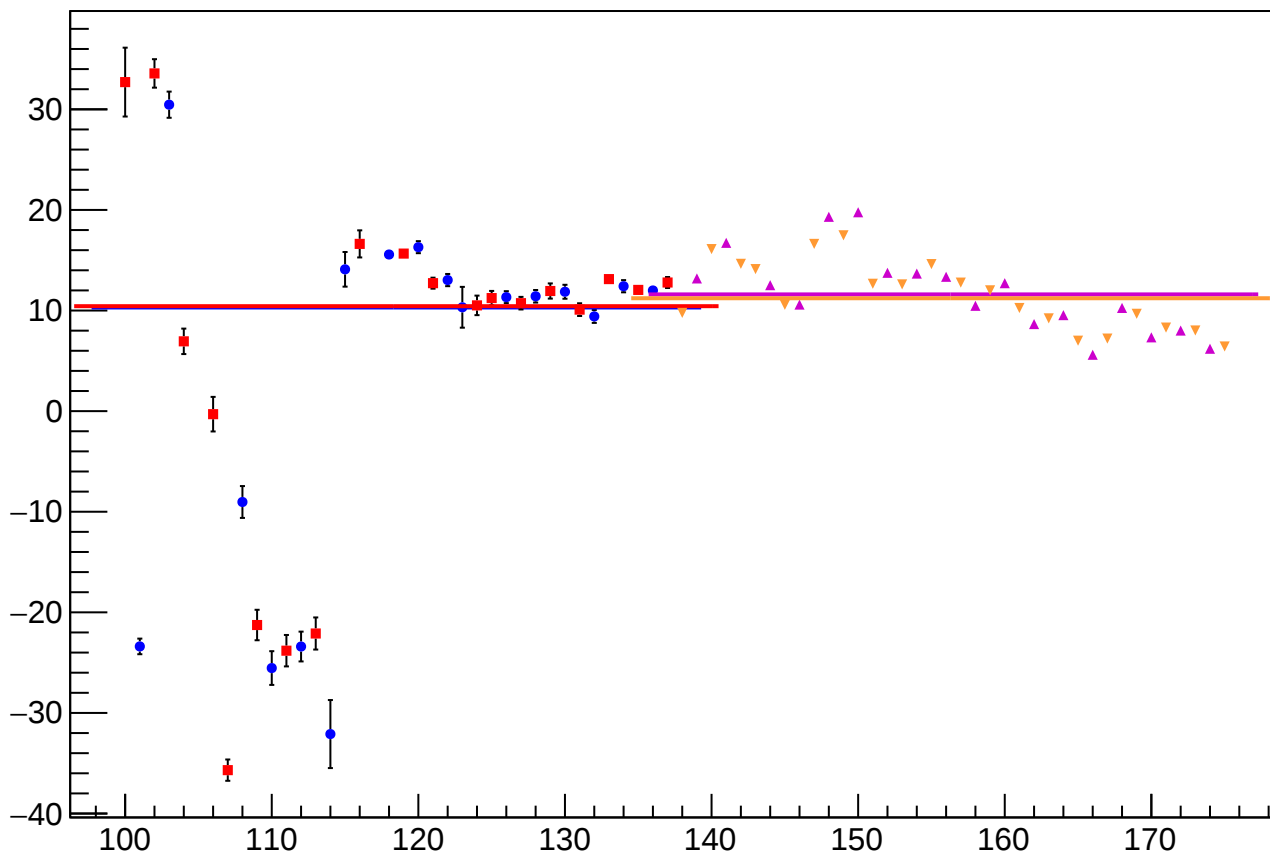
Right: 3.437 ± 0.185 χ^2/NDF : 511.7/35

In: -7.459 ± 0.079 χ^2/NDF : 3344.9/34

Out: -6.517 ± 0.077 χ^2/NDF : 3977.0/38

All: -6.973 ± 0.055 χ^2/NDF : 7394.4/73

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: 11.222 $\pm$ 0.070 χ^2 /NDF: 2197.6/19

Right Out: 10.433 $\pm$ 0.160 χ^2 /NDF: 3828.5/18

Left In: 11.603 $\pm$ 0.073 χ^2 /NDF: 2789.6/17

Left: 11.403 $\pm$ 0.051 χ^2 /NDF: 5001.4/37

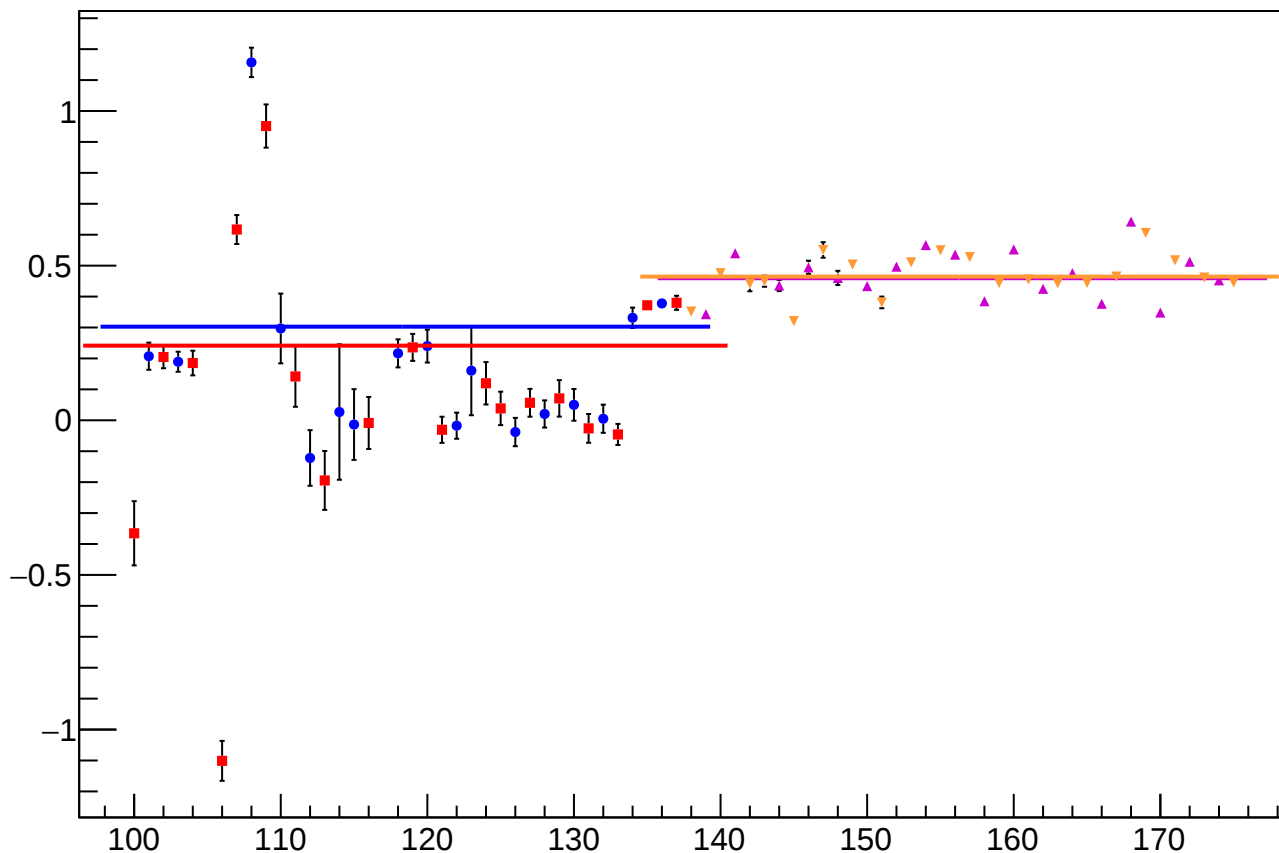
Right: 10.368 $\pm$ 0.112 χ^2 /NDF: 7541.1/35

In: 11.370 $\pm$ 0.066 χ^2 /NDF: 6558.1/34

Out: 11.096 $\pm$ 0.064 χ^2 /NDF: 6046.5/38

All: 11.228 $\pm$ 0.046 χ^2 /NDF: 12613.5/73

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.303 ± 0.008 χ^2/NDF : 646.6/16

Left Out: 0.465 ± 0.003 χ^2/NDF : 404.3/19

Right Out: 0.241 ± 0.008 χ^2/NDF : 986.7/18

Left In: 0.459 ± 0.003 χ^2/NDF : 684.7/17

Left: 0.462 ± 0.002 χ^2/NDF : 1090.4/37

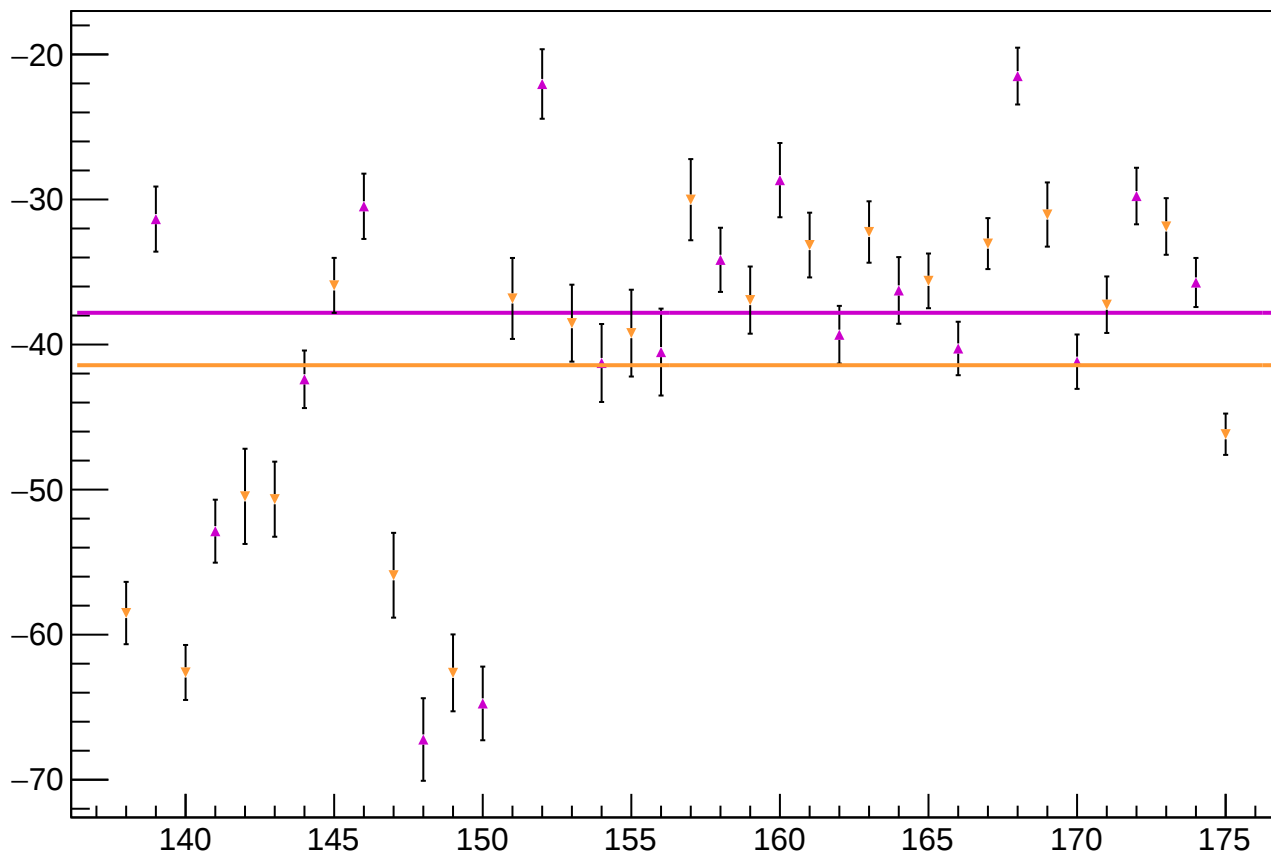
Right: 0.273 ± 0.006 χ^2/NDF : 1660.4/35

In: 0.439 ± 0.003 χ^2/NDF : 1648.6/34

Out: 0.438 ± 0.003 χ^2/NDF : 1998.4/38

All: 0.438 ± 0.002 χ^2/NDF : 3647.1/73

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -41.425 ± 0.487 $\chi^2/\text{NDF}: 457.0/19$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -37.811 ± 0.512 $\chi^2/\text{NDF}: 447.0/17$

Left: -39.710 ± 0.353 $\chi^2/\text{NDF}: 930.1/37$

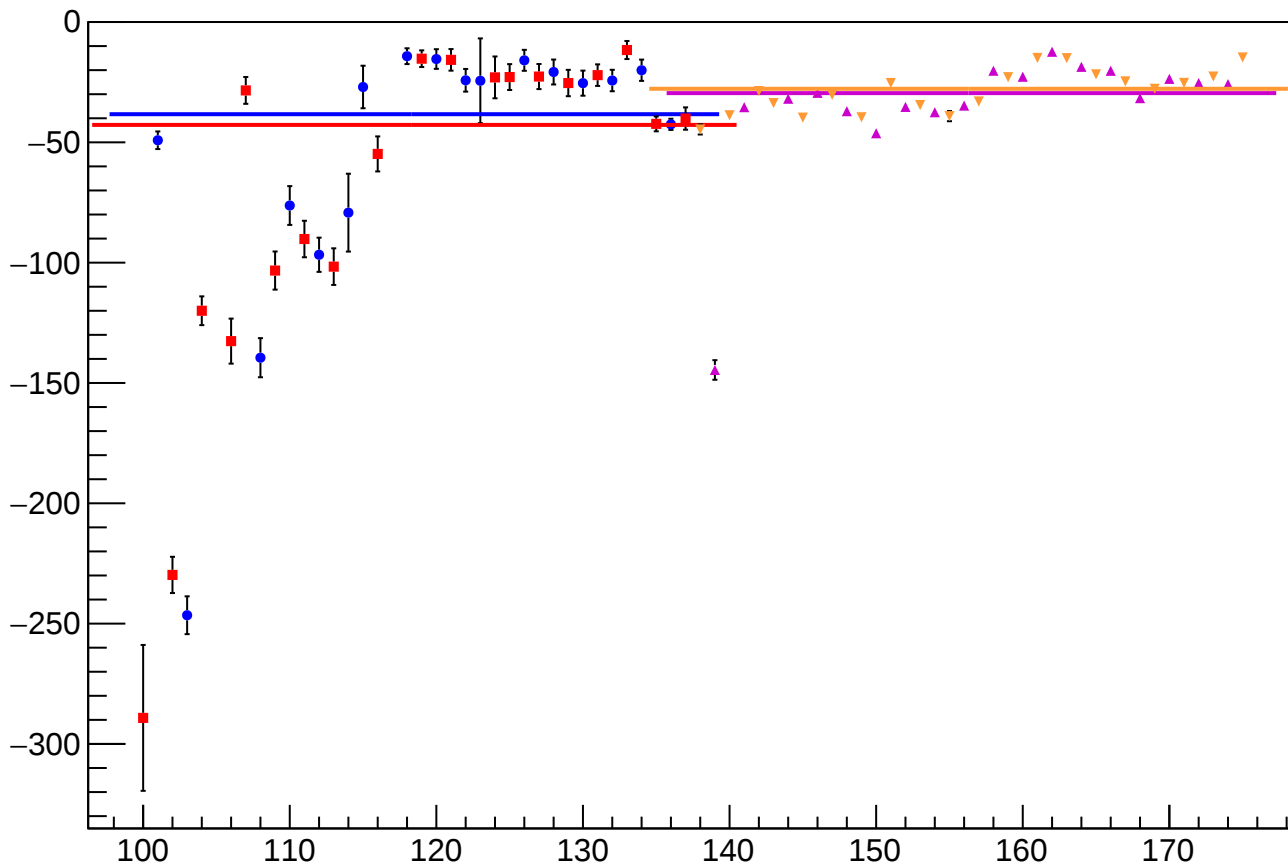
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -37.811 ± 0.512 $\chi^2/\text{NDF}: 447.0/17$

Out: -41.425 ± 0.487 $\chi^2/\text{NDF}: 457.0/19$

All: -39.710 ± 0.353 $\chi^2/\text{NDF}: 930.1/37$

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: -27.743 ± 0.365 $\chi^2/\text{NDF}: 553.7/19$

Right Out: -42.756 ± 1.211 $\chi^2/\text{NDF}: 1341.6/18$

Left In: -29.548 ± 0.384 $\chi^2/\text{NDF}: 1243.7/17$

Left: -28.601 ± 0.265 $\chi^2/\text{NDF}: 1809.0/37$

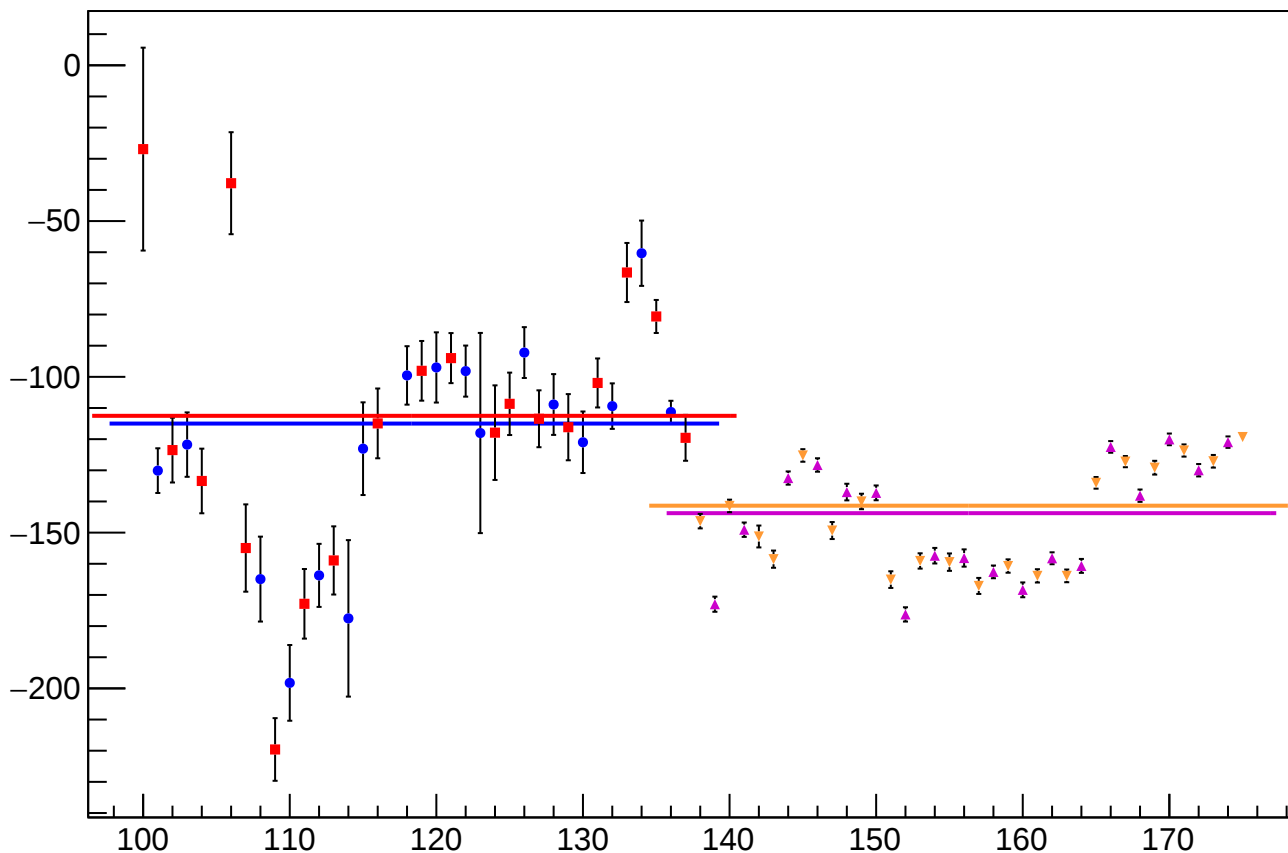
Right: -40.393 ± 0.829 $\chi^2/\text{NDF}: 2481.4/35$

In: -30.444 ± 0.364 $\chi^2/\text{NDF}: 2429.6/34$

Out: -28.995 ± 0.350 $\chi^2/\text{NDF}: 2036.2/38$

All: -29.692 ± 0.252 $\chi^2/\text{NDF}: 4474.1/73$

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -114.996 ± 2.072 $\chi^2/\text{NDF}: 141.8/16$

Left Out: -141.354 ± 0.486 $\chi^2/\text{NDF}: 1189.6/19$

Right Out: -112.510 ± 2.207 $\chi^2/\text{NDF}: 273.1/18$

Left In: -143.756 ± 0.509 $\chi^2/\text{NDF}: 1306.0/17$

Left: -142.497 ± 0.352 $\chi^2/\text{NDF}: 2507.2/37$

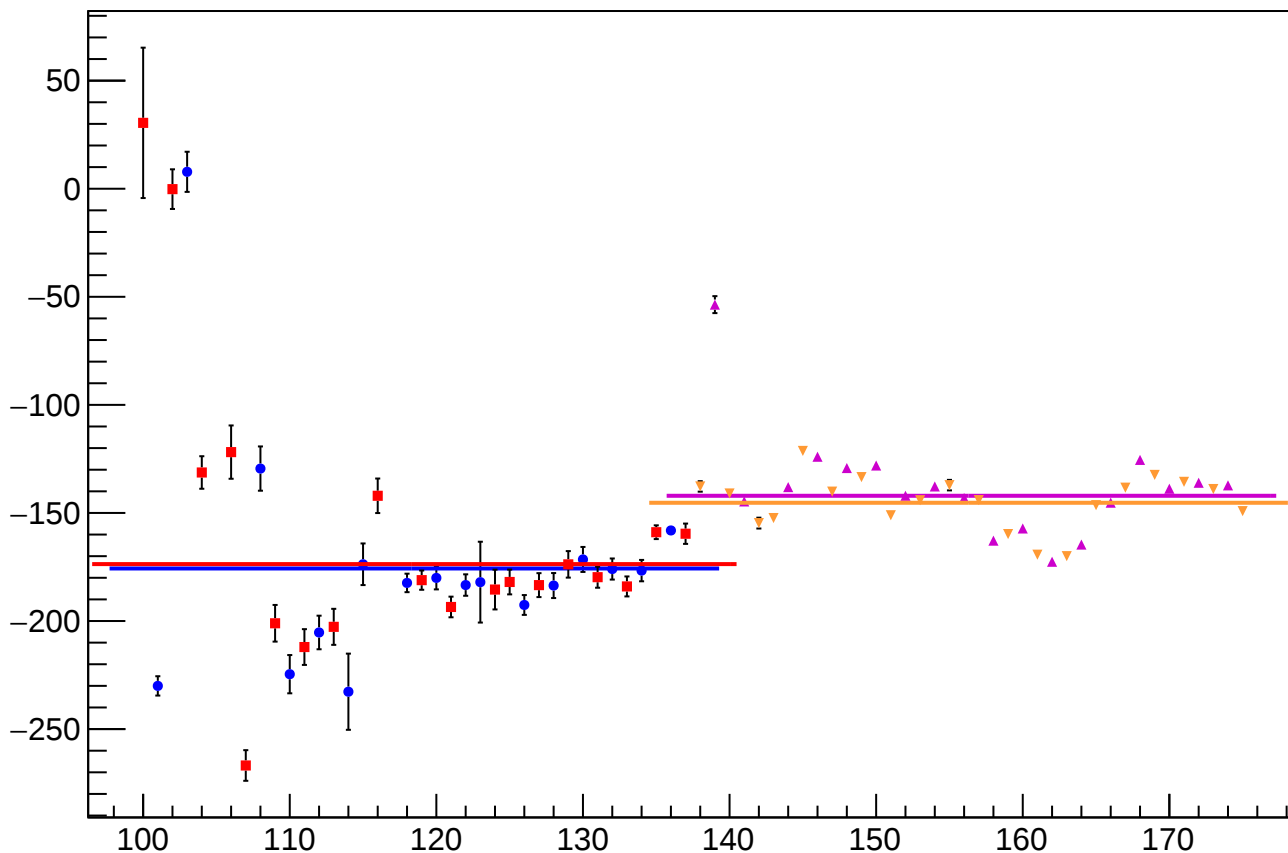
Right: -113.831 ± 1.511 $\chi^2/\text{NDF}: 415.6/35$

In: -142.116 ± 0.495 $\chi^2/\text{NDF}: 1629.4/34$

Out: -140.021 ± 0.474 $\chi^2/\text{NDF}: 1625.7/38$

All: -141.025 ± 0.342 $\chi^2/\text{NDF}: 3264.4/73$

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -175.696+/-1.268 χ^2/NDF : 692.9/16

Left Out: -145.293+/-0.414 χ^2/NDF : 909.6/19

Right Out: -173.666+/-1.356 χ^2/NDF : 737.7/18

Left In: -142.058+/-0.436 χ^2/NDF : 1524.7/17

Left: -143.756+/-0.300 χ^2/NDF : 2463.2/37

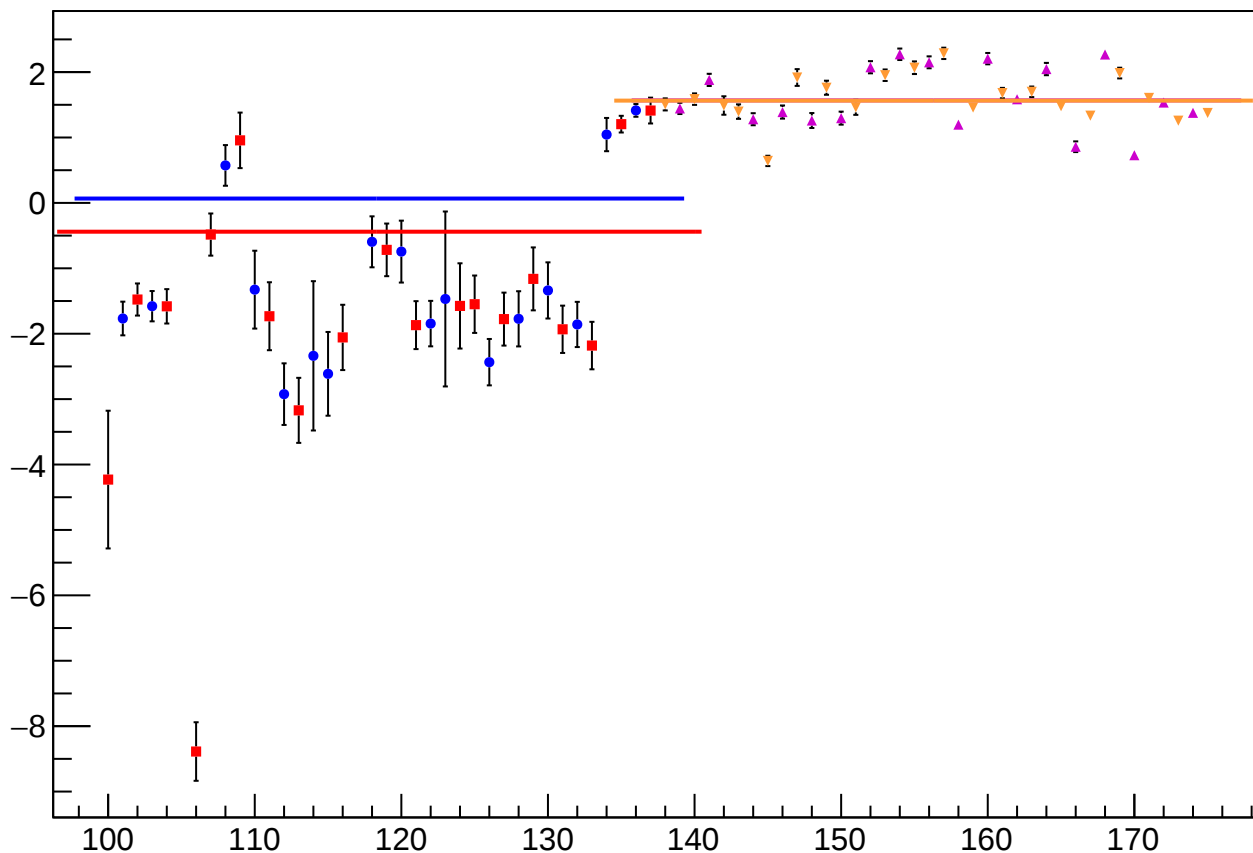
Right: -174.749+/-0.926 χ^2/NDF : 1431.8/35

In: -145.610+/-0.412 χ^2/NDF : 2847.5/34

Out: -147.717+/-0.396 χ^2/NDF : 2047.8/38

All: -146.704+/-0.286 χ^2/NDF : 4908.9/73

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.067 ± 0.067 χ^2/NDF : 526.1/16

Left Out: 1.564 ± 0.019 χ^2/NDF : 336.0/19

Right Out: -0.440 ± 0.071 χ^2/NDF : 754.9/18

Left In: 1.567 ± 0.020 χ^2/NDF : 600.5/17

Left: 1.566 ± 0.014 χ^2/NDF : 936.6/37

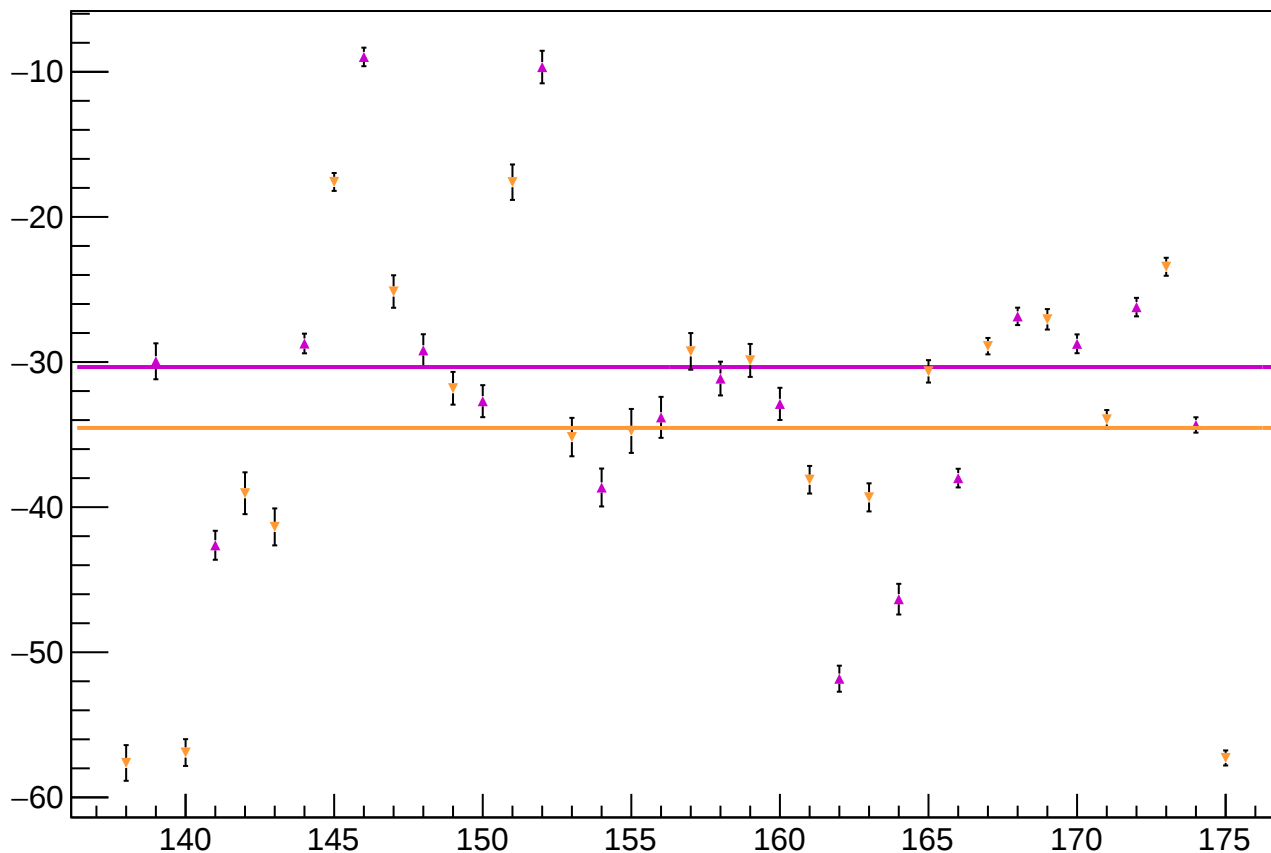
Right: -0.172 ± 0.049 χ^2/NDF : 1308.0/35

In: 1.448 ± 0.019 χ^2/NDF : 1588.6/34

Out: 1.428 ± 0.019 χ^2/NDF : 1831.4/38

All: 1.438 ± 0.013 χ^2/NDF : 3420.7/73

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -34.539 $\pm$ 0.189 χ^2/NDF :4552.8/19

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

Left In: -30.344 $\pm$ 0.192 χ^2/NDF :2756.6/17

Left: -32.474 $\pm$ 0.135 χ^2/NDF : 7551.4/37

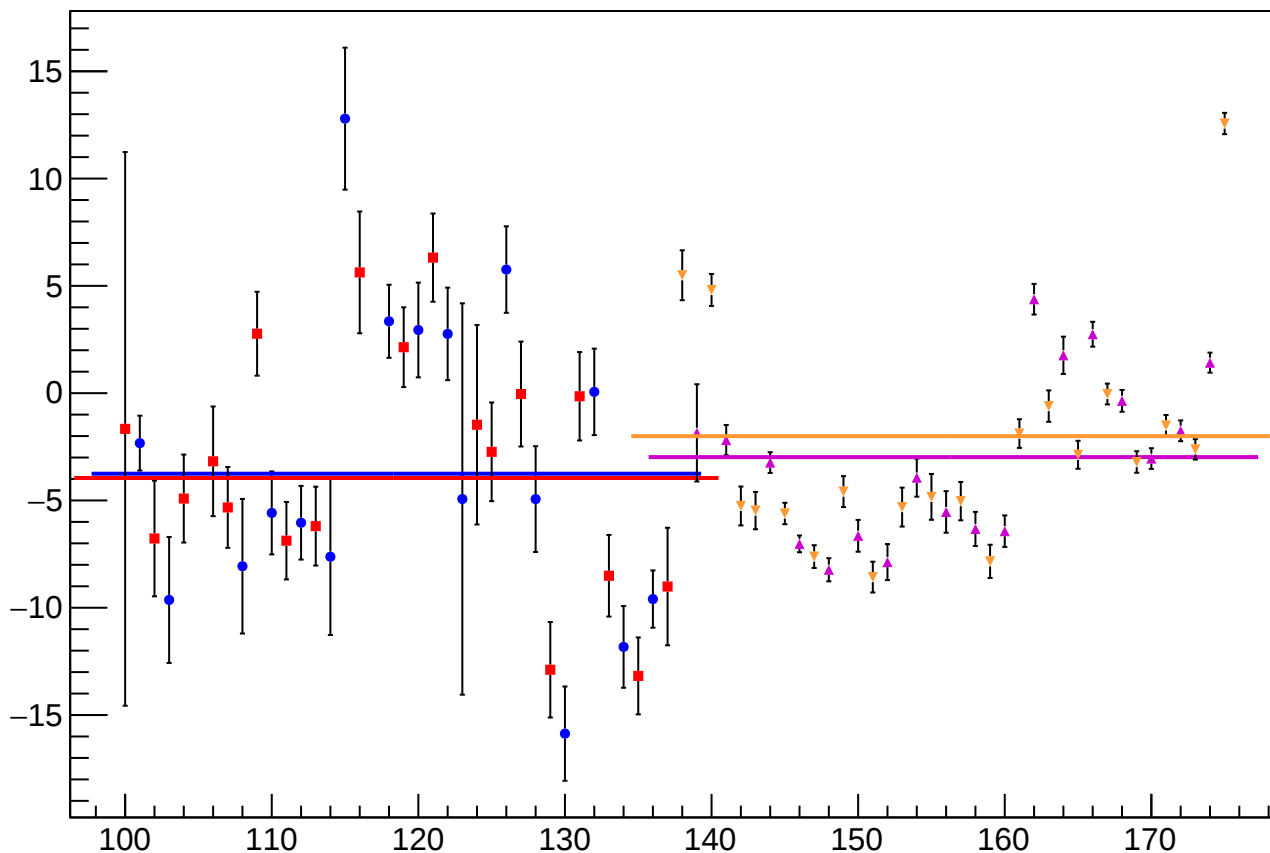
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -30.344 $\pm$ 0.192 χ^2/NDF :2756.6/17

Out: -34.539 $\pm$ 0.189 χ^2/NDF :4552.8/19

All: -32.474 $\pm$ 0.135 χ^2/NDF : 7551.4/37

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: -2.004 ± 0.143 $\chi^2/\text{NDF}: 1394.8/19$

Right Out: -3.954 ± 0.507 $\chi^2/\text{NDF}: 123.3/18$

Left In: -2.980 ± 0.143 $\chi^2/\text{NDF}: 666.2/17$

Left: -2.492 ± 0.101 $\chi^2/\text{NDF}: 2084.2/37$

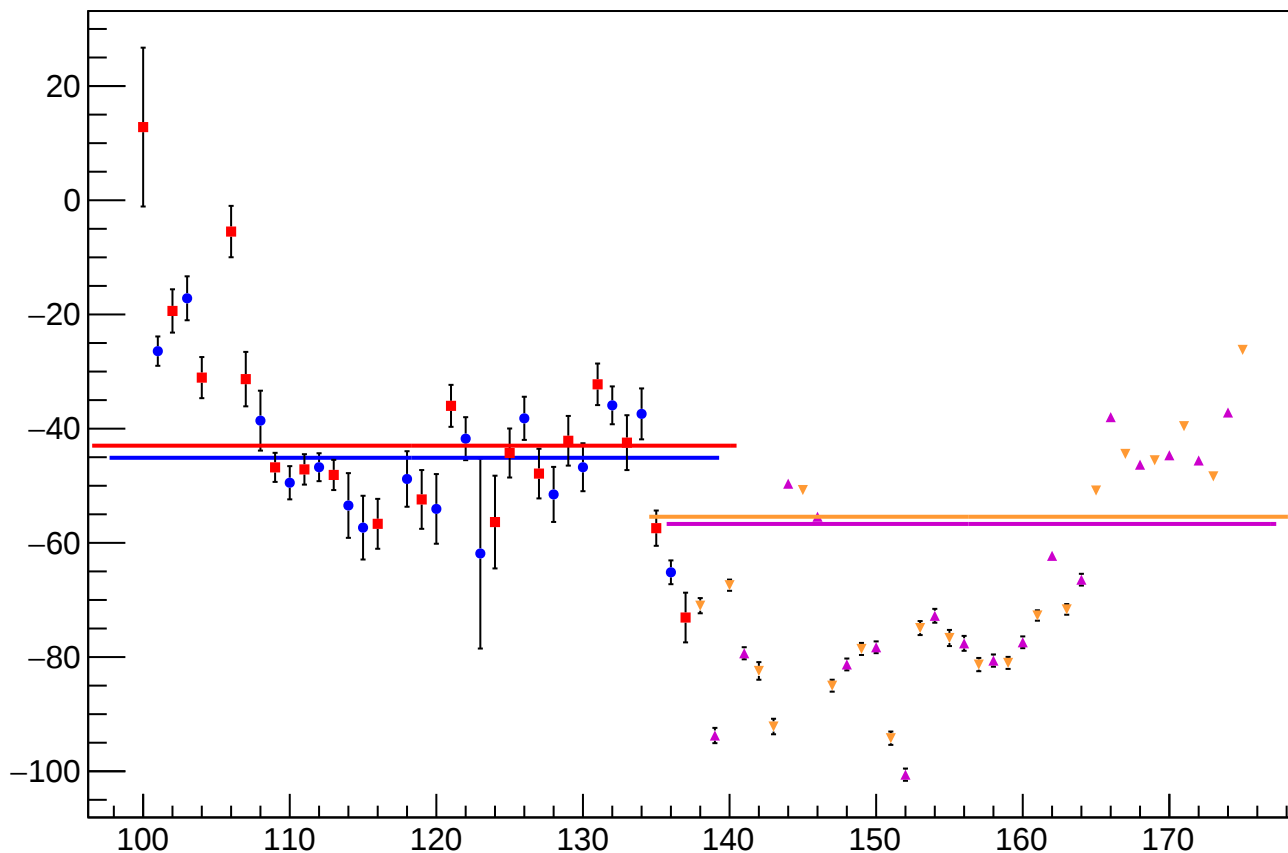
Right: -3.852 ± 0.354 $\chi^2/\text{NDF}: 288.7/35$

In: -3.040 ± 0.138 $\chi^2/\text{NDF}: 833.7/34$

Out: -2.148 ± 0.138 $\chi^2/\text{NDF}: 1531.8/38$

All: -2.594 ± 0.097 $\chi^2/\text{NDF}: 2386.6/73$

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -45.101 ± 0.881 χ^2/NDF : 229.9/16

Left Out: -55.426 ± 0.190 χ^2/NDF : 10443.7/19

Right Out: -42.979 ± 0.877 χ^2/NDF : 248.9/18

Left In: -56.687 ± 0.193 χ^2/NDF : 8354.5/17

Left: -56.047 ± 0.135 χ^2/NDF : 18819.9/37

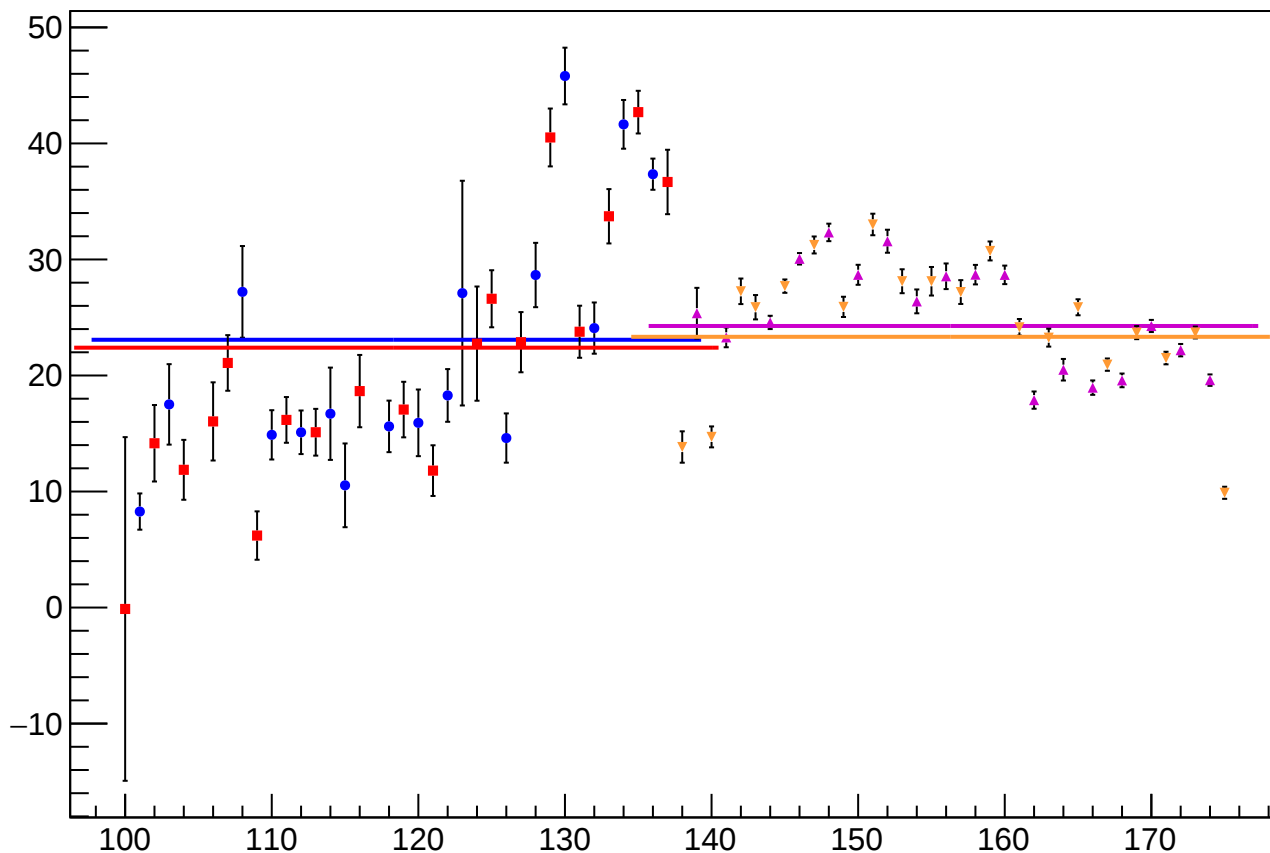
Right: -44.036 ± 0.622 χ^2/NDF : 481.6/35

In: -56.157 ± 0.188 χ^2/NDF : 8749.5/34

Out: -54.870 ± 0.186 χ^2/NDF : 10884.9/38

All: -55.503 ± 0.132 χ^2/NDF : 19658.0/73

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.079+/-0.556 χ^2/NDF : 461.1/16

Left Out: 23.333+/-0.162 χ^2/NDF :1295.9/19

Right Out: 22.397+/-0.572 χ^2/NDF : 370.3/18

Left In: 24.267+/-0.164 χ^2/NDF :742.6/17

Left: 23.794+/-0.115 χ^2/NDF : 2055.0/37

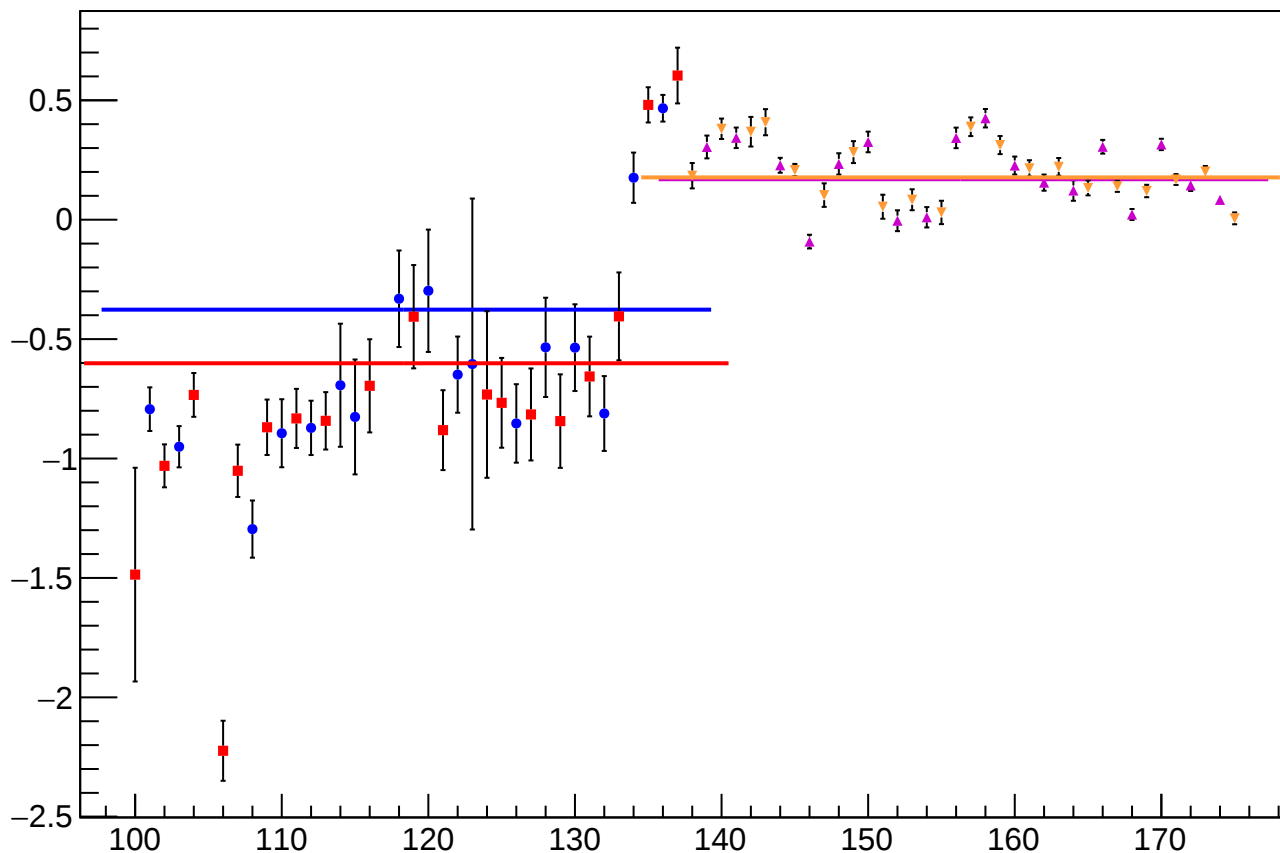
Right: 22.748+/-0.399 χ^2/NDF : 832.1/35

In: 24.172+/-0.157 χ^2/NDF :1207.9/34

Out: 23.264+/-0.156 χ^2/NDF :1668.7/38

All: 23.714+/-0.111 χ^2/NDF : 2893.5/73

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.377 ± 0.030 $\chi^2/\text{NDF}: 437.1/16$

Left Out: 0.177 ± 0.007 $\chi^2/\text{NDF}: 181.5/19$

Right Out: -0.601 ± 0.030 $\chi^2/\text{NDF}: 555.6/18$

Left In: 0.169 ± 0.008 $\chi^2/\text{NDF}: 338.8/17$

Left: 0.173 ± 0.005 $\chi^2/\text{NDF}: 520.8/37$

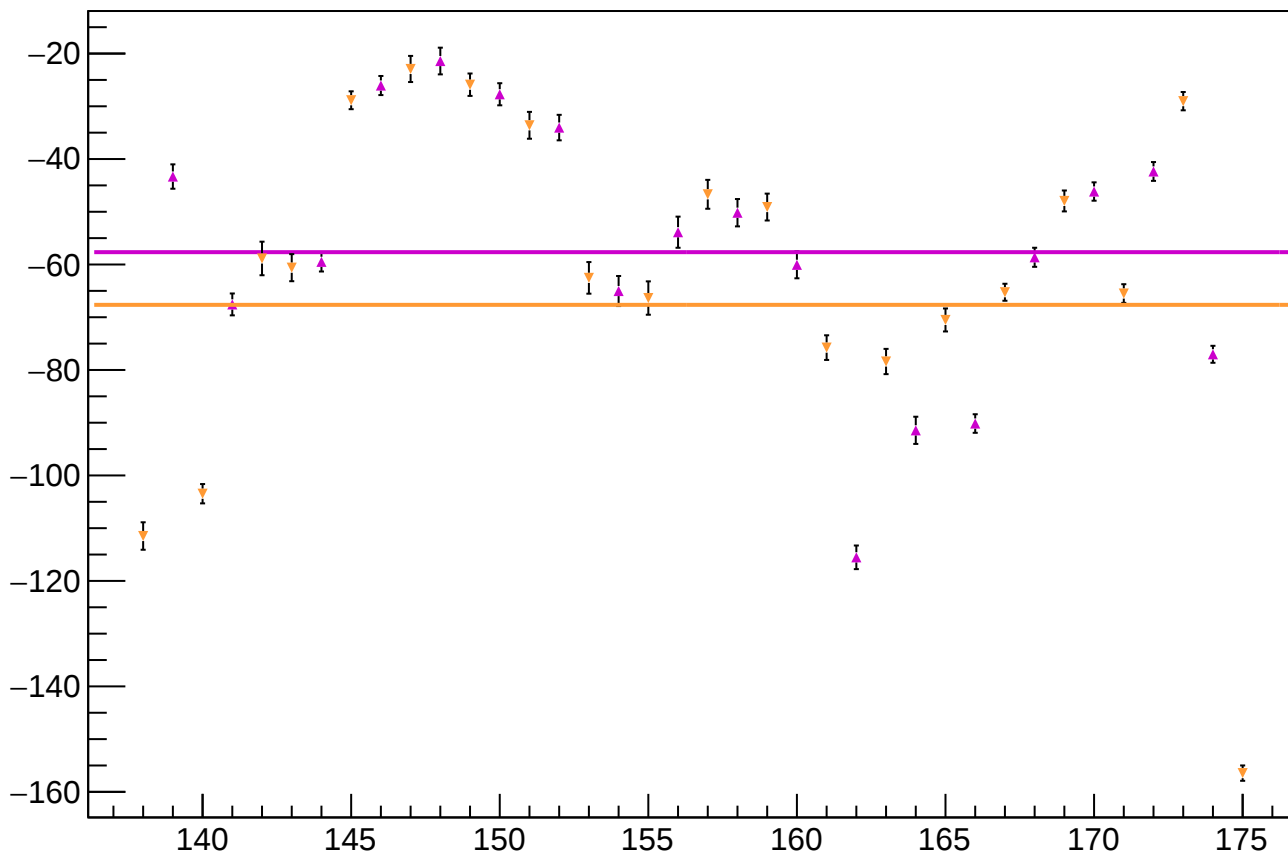
Right: -0.489 ± 0.021 $\chi^2/\text{NDF}: 1020.5/35$

In: 0.137 ± 0.007 $\chi^2/\text{NDF}: 1086.3/34$

Out: 0.132 ± 0.007 $\chi^2/\text{NDF}: 1363.8/38$

All: 0.135 ± 0.005 $\chi^2/\text{NDF}: 2450.4/73$

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -67.650+/-0.476 χ^2/NDF : 6563.8/19

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

Left In: -57.660+/-0.492 χ^2/NDF : 2331.1/17

Left: -62.823+/-0.342 χ^2/NDF : 9107.6/37

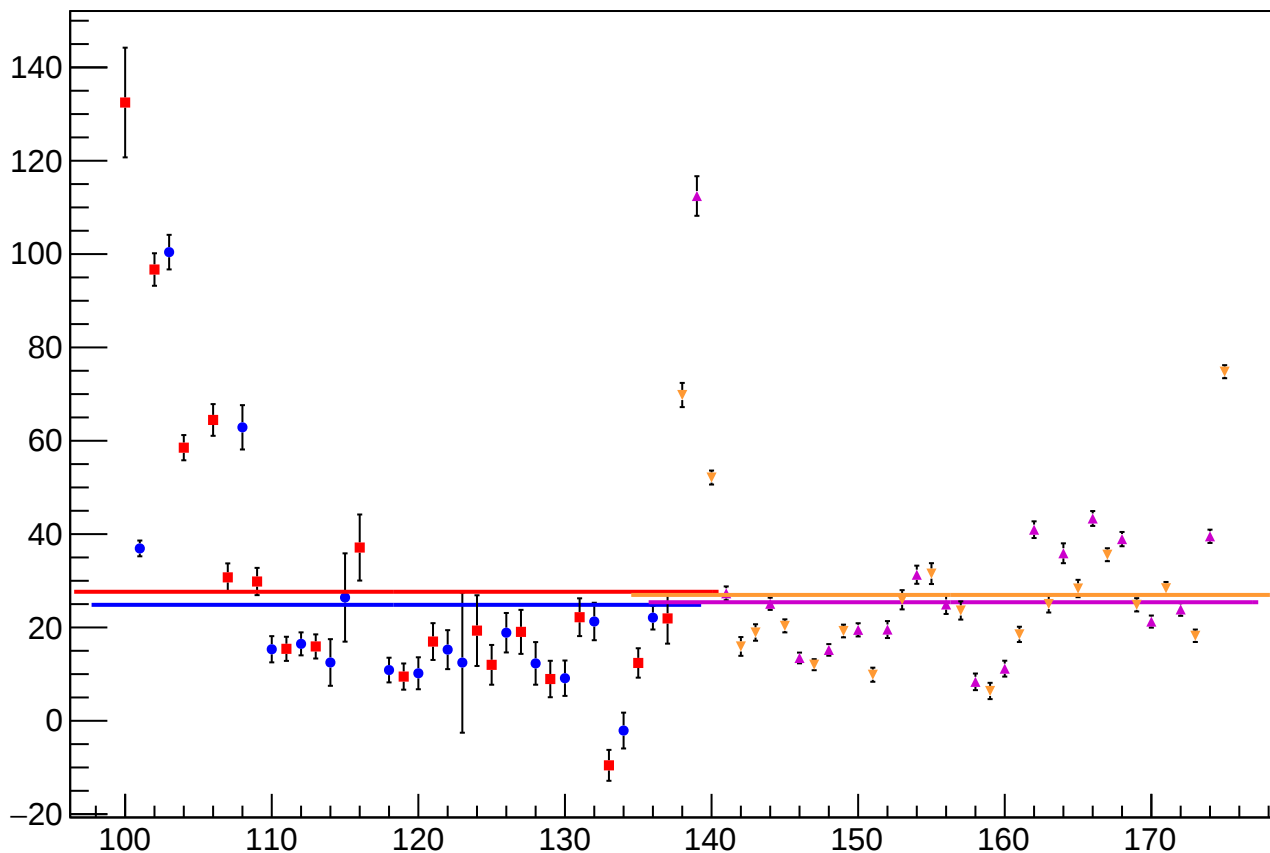
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -57.660+/-0.492 χ^2/NDF : 2331.1/17

Out: -67.650+/-0.476 χ^2/NDF : 6563.8/19

All: -62.823+/-0.342 χ^2/NDF : 9107.6/37

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: 26.972 $\pm$ 0.354 χ^2 /NDF:2376.2/19

Right Out: 27.648 $\pm$ 0.810 χ^2 /NDF: 1009.2/18

Left In: 25.406 $\pm$ 0.367 χ^2 /NDF:1211.1/17

Left: 26.217 $\pm$ 0.255 χ^2 /NDF: 3596.7/37

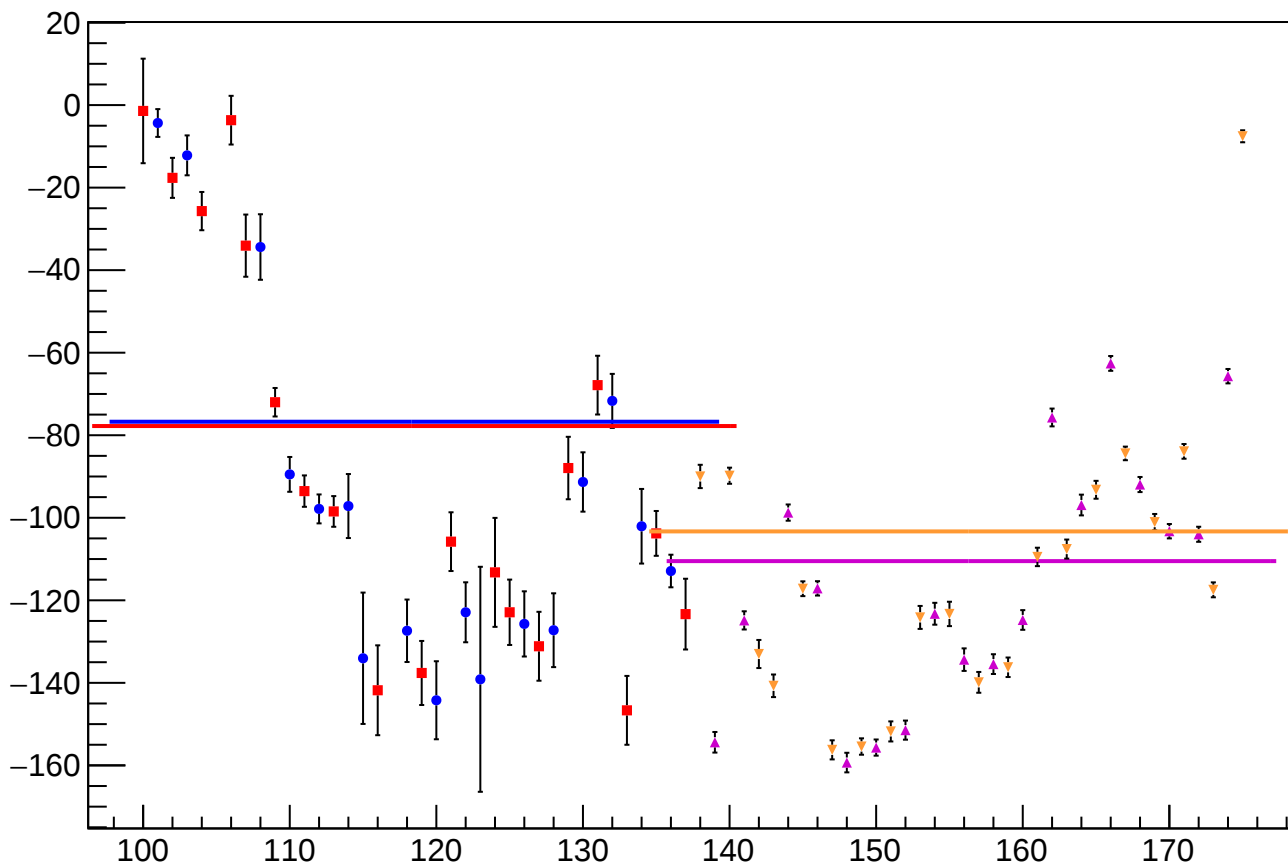
Right: 26.231 $\pm$ 0.570 χ^2 /NDF: 1706.0/35

In: 25.309 $\pm$ 0.333 χ^2 /NDF:1902.3/34

Out: 27.080 $\pm$ 0.324 χ^2 /NDF:3386.0/38

All: 26.219 $\pm$ 0.232 χ^2 /NDF: 5302.7/73

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: -103.305 ± 0.475 $\chi^2/\text{NDF}: 7178.7/19$

Right Out: -77.773 ± 1.352 $\chi^2/\text{NDF}: 871.8/18$

Left In: -110.504 ± 0.491 $\chi^2/\text{NDF}: 3708.0/17$

Left: -106.788 ± 0.342 $\chi^2/\text{NDF}: 10997.7/37$

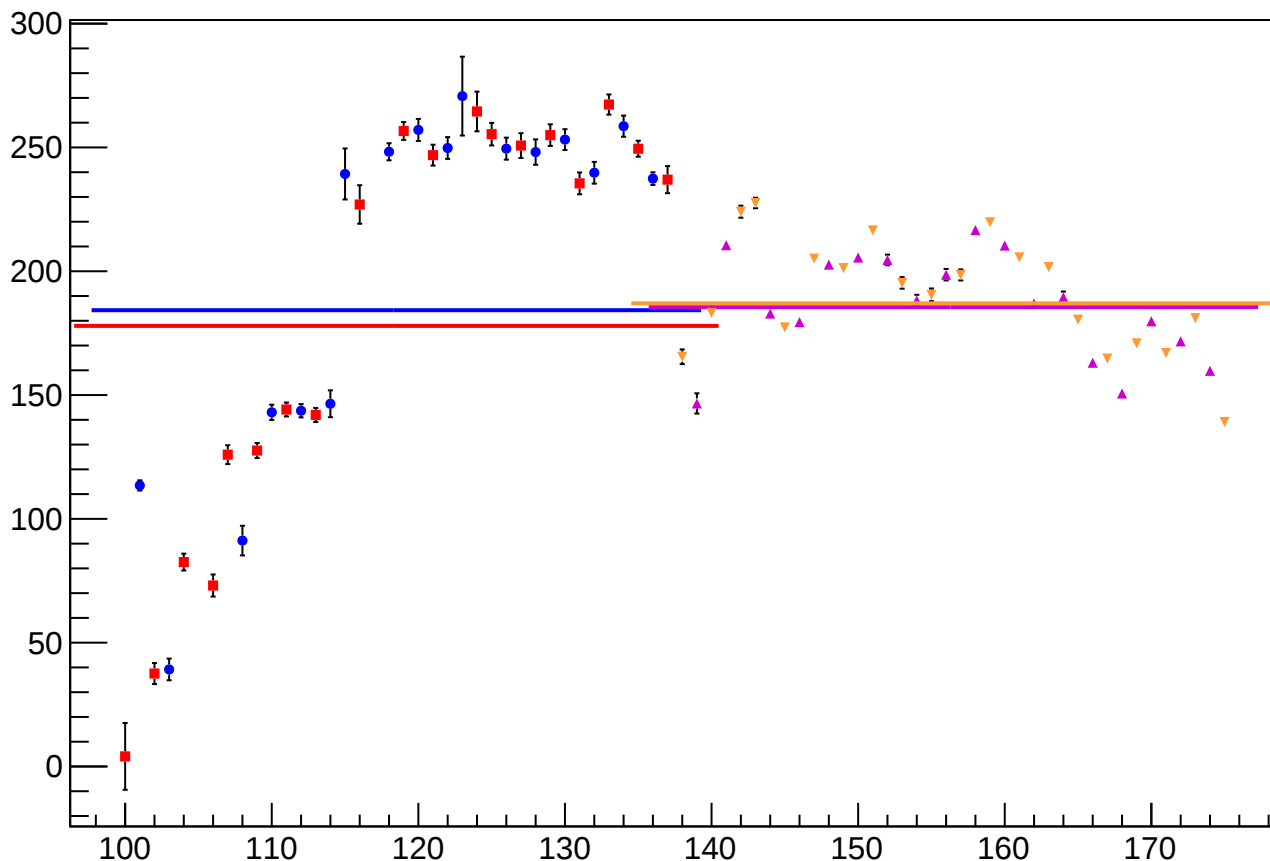
Right: -77.273 ± 0.977 $\chi^2/\text{NDF}: 1914.1/35$

In: -106.860 ± 0.464 $\chi^2/\text{NDF}: 5260.4/34$

Out: -100.497 ± 0.448 $\chi^2/\text{NDF}: 8367.8/38$

All: -103.571 ± 0.322 $\chi^2/\text{NDF}: 13725.4/73$

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: 187.050 $\pm$ 0.404 χ^2 /NDF:3237.8/19

Right Out: 177.930 $\pm$ 0.924 χ^2 /NDF: 6330.9/18

Left In: 185.515 $\pm$ 0.419 χ^2 /NDF:2081.0/17

Left: 186.310 $\pm$ 0.291 χ^2 /NDF: 5325.8/37

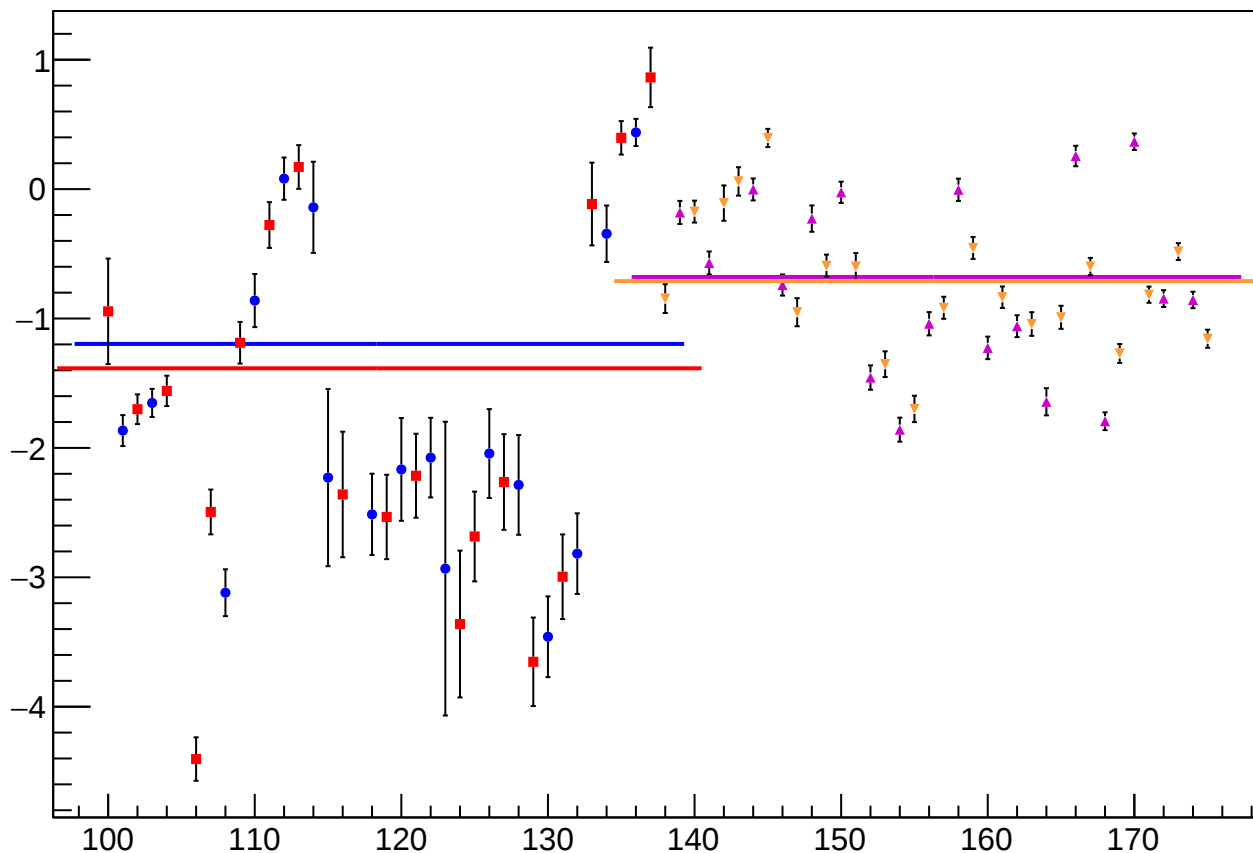
Right: 181.136 $\pm$ 0.650 χ^2 /NDF: 11755.7/35

In: 185.298 $\pm$ 0.381 χ^2 /NDF:7483.6/34

Out: 185.586 $\pm$ 0.370 χ^2 /NDF:9650.5/38

All: 185.446 $\pm$ 0.265 χ^2 /NDF: 17134.4/73

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.196 $\pm$ 0.048 χ^2/NDF : 623.1/16

Left Out: -0.711 $\pm$ 0.019 χ^2/NDF : 658.4/19

Right Out: -1.385 $\pm$ 0.046 χ^2/NDF : 924.4/18

Left In: -0.679 $\pm$ 0.019 χ^2/NDF : 1318.3/17

Left: -0.695 $\pm$ 0.013 χ^2/NDF : 1978.1/37

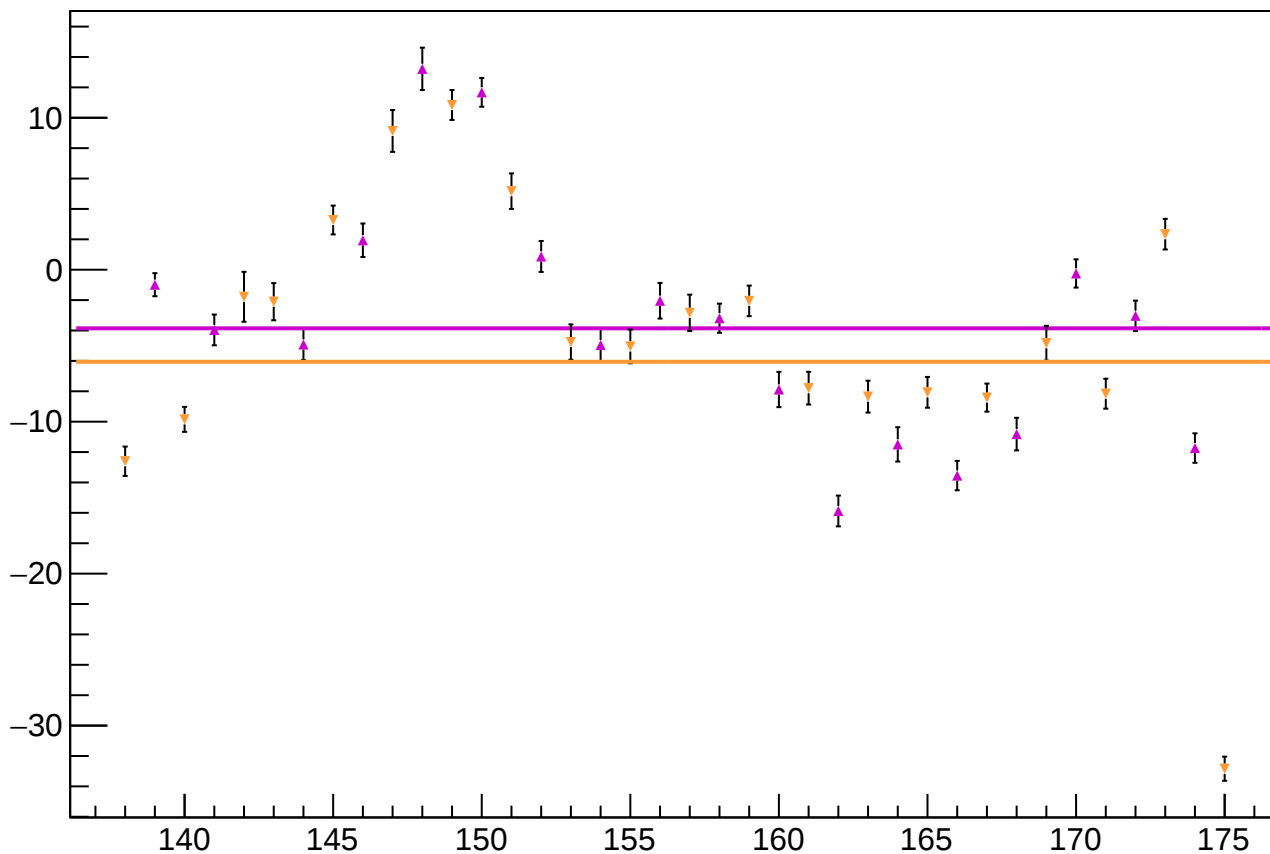
Right: -1.295 $\pm$ 0.033 χ^2/NDF : 1555.6/35

In: -0.749 $\pm$ 0.018 χ^2/NDF : 2041.4/34

Out: -0.808 $\pm$ 0.017 χ^2/NDF : 1768.4/38

All: -0.779 $\pm$ 0.012 χ^2/NDF : 3815.4/73

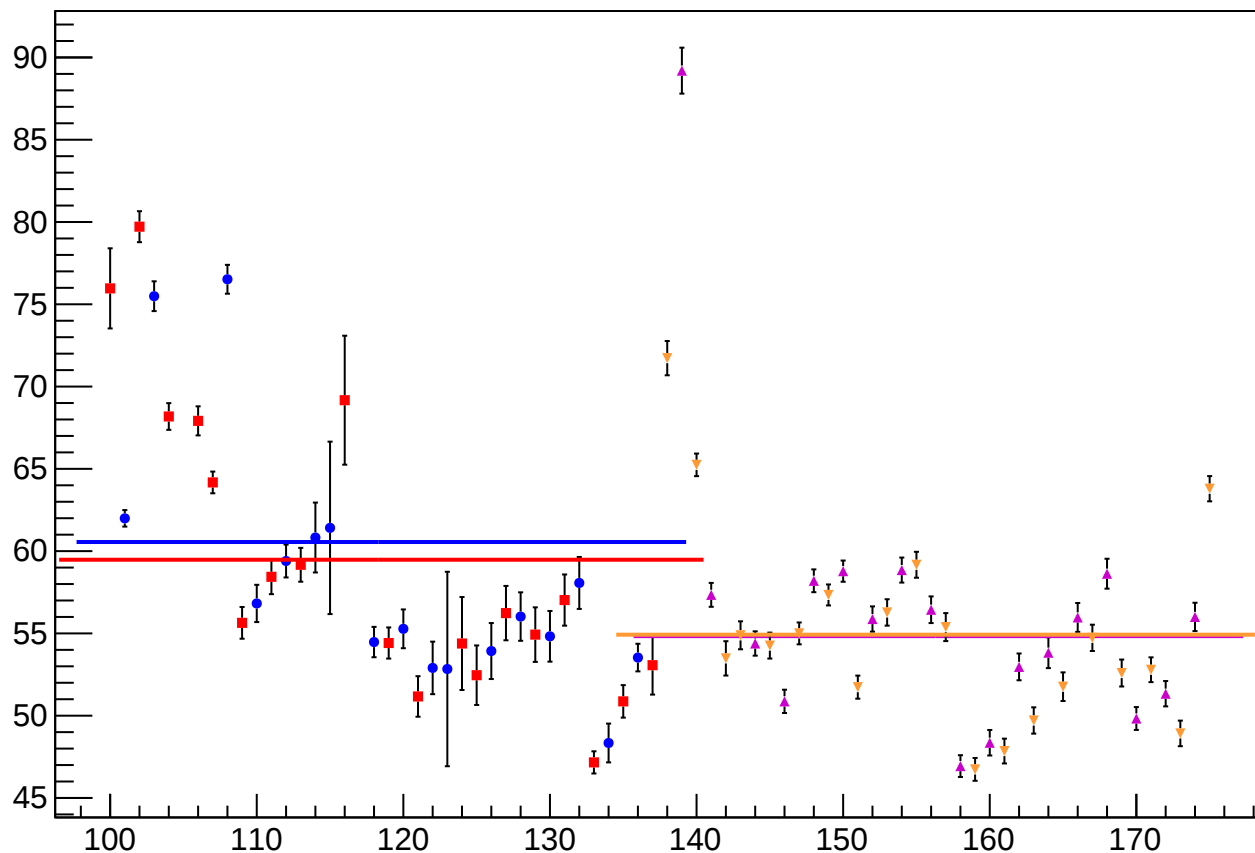
reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -6.058 $\pm$ 0.232 χ^2 /NDF:1942.8/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -3.858 $\pm$ 0.240 χ^2 /NDF:909.7/17

Left: -4.993 $\pm$ 0.167 χ^2 /NDF: 2895.9/37
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -3.858 $\pm$ 0.240 χ^2 /NDF:909.7/17
 Out: -6.058 $\pm$ 0.232 χ^2 /NDF:1942.8/19
 All: -4.993 $\pm$ 0.167 χ^2 /NDF: 2895.9/37

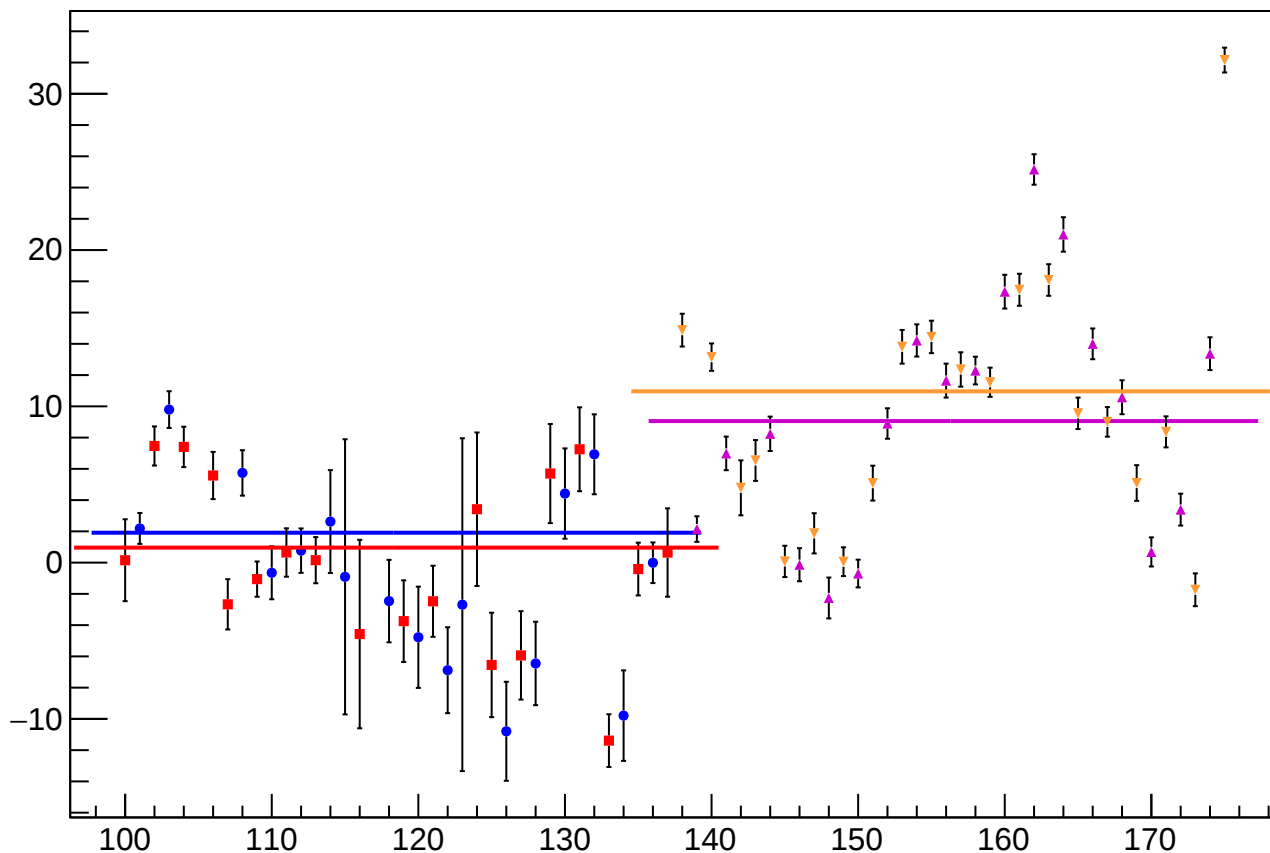
reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 60.554 ± 0.262 $\chi^2/\text{NDF}: 930.8/16$
 Left Out: 54.922 ± 0.174 $\chi^2/\text{NDF}: 1049.0/19$
 Right Out: 59.477 ± 0.248 $\chi^2/\text{NDF}: 1317.0/18$
 Left In: 54.834 ± 0.183 $\chi^2/\text{NDF}: 1056.0/17$

Left: 54.880 ± 0.126 $\chi^2/\text{NDF}: 2105.1/37$
 Right: 59.987 ± 0.180 $\chi^2/\text{NDF}: 2256.7/35$
 In: 56.713 ± 0.150 $\chi^2/\text{NDF}: 2307.9/34$
 Out: 56.421 ± 0.142 $\chi^2/\text{NDF}: 2592.5/38$
 All: 56.559 ± 0.103 $\chi^2/\text{NDF}: 4902.5/73$

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.914 ± 0.458 χ^2/NDF : 121.6/16

Left Out: 10.960 ± 0.231 χ^2/NDF : 1389.2/19

Right Out: 0.960 ± 0.424 χ^2/NDF : 149.5/18

Left In: 9.058 ± 0.238 χ^2/NDF : 995.5/17

Left: 10.038 ± 0.166 χ^2/NDF : 2417.6/37

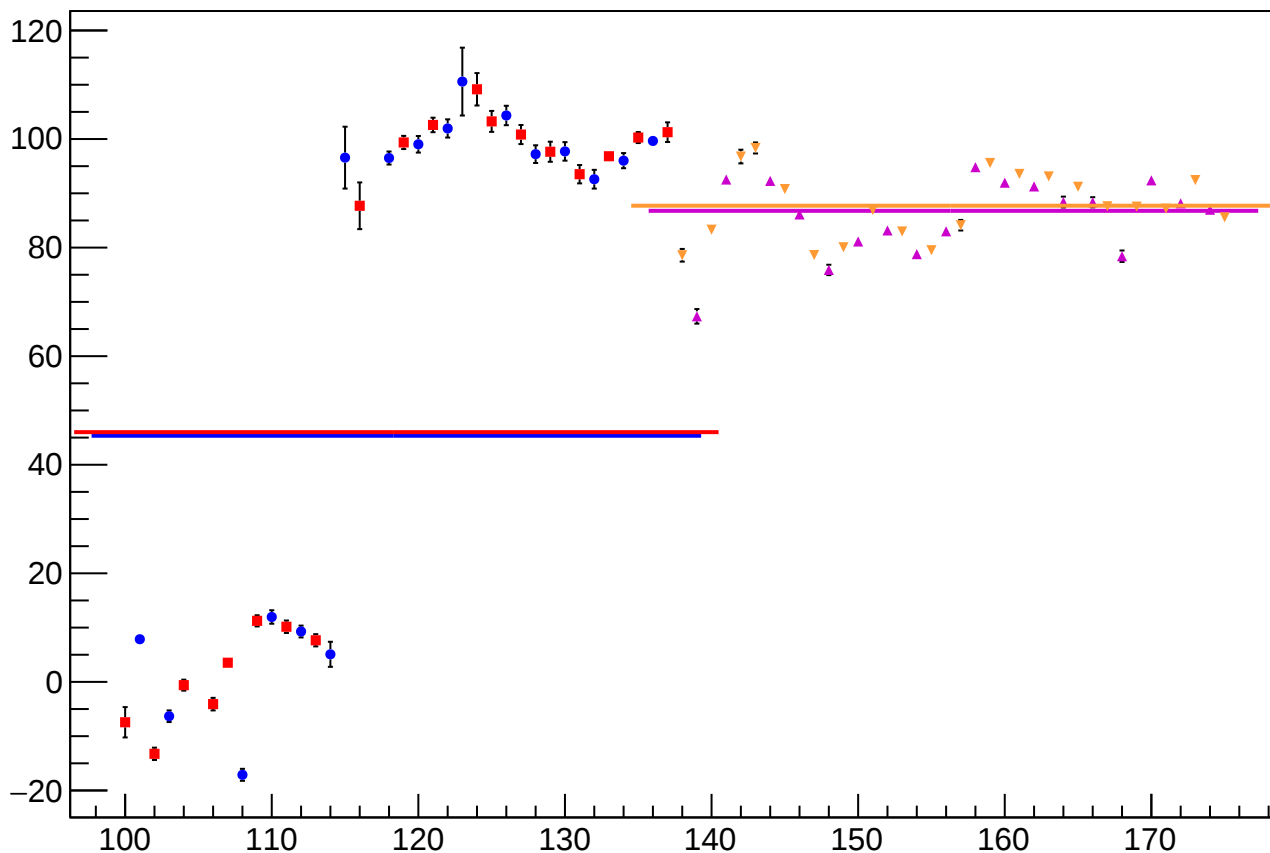
Right: 1.401 ± 0.311 χ^2/NDF : 273.4/35

In: 7.539 ± 0.211 χ^2/NDF : 1308.9/34

Out: 8.676 ± 0.203 χ^2/NDF : 1967.4/38

All: 8.131 ± 0.146 χ^2/NDF : 3291.4/73

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 45.344+/-0.303 χ^2/NDF : 25071.0/16

Left Out: 87.720+/-0.198 χ^2/NDF : 851.1/19

Right Out: 46.007+/-0.289 χ^2/NDF : 28219.9/18

Left In: 86.776+/-0.207 χ^2/NDF : 920.4/17

Left: 87.270+/-0.143 χ^2/NDF : 1782.4/37

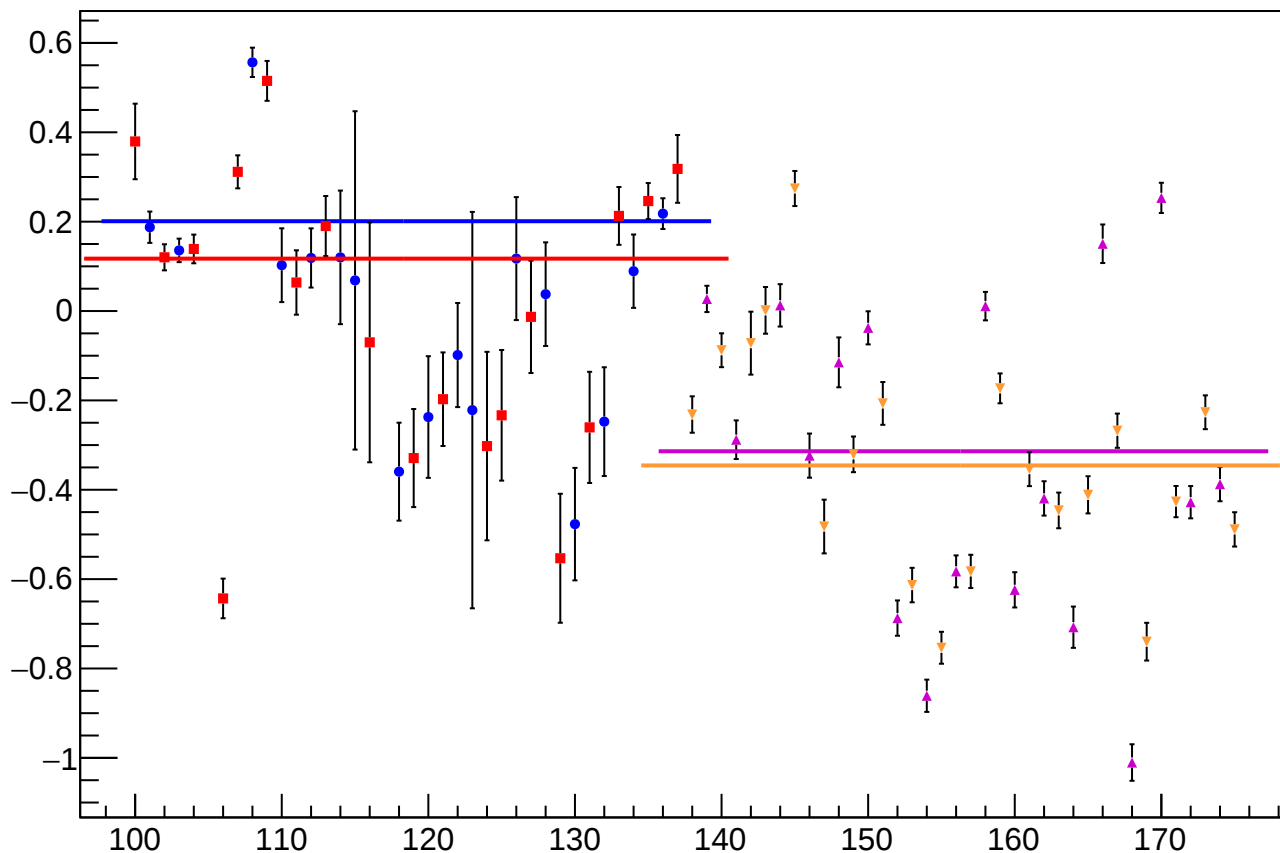
Right: 45.691+/-0.209 χ^2/NDF : 53293.4/35

In: 73.616+/-0.171 χ^2/NDF : 38730.2/34

Out: 74.466+/-0.163 χ^2/NDF : 43238.8/38

All: 74.061+/-0.118 χ^2/NDF : 81981.9/73

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 ± 0.014 χ^2/NDF : 217.8/16

Left Out: -0.346 ± 0.009 χ^2/NDF : 752.0/19

Right Out: 0.117 ± 0.013 χ^2/NDF : 500.1/18

Left In: -0.314 ± 0.009 χ^2/NDF : 1572.5/17

Left: -0.330 ± 0.006 χ^2/NDF : 2330.6/37

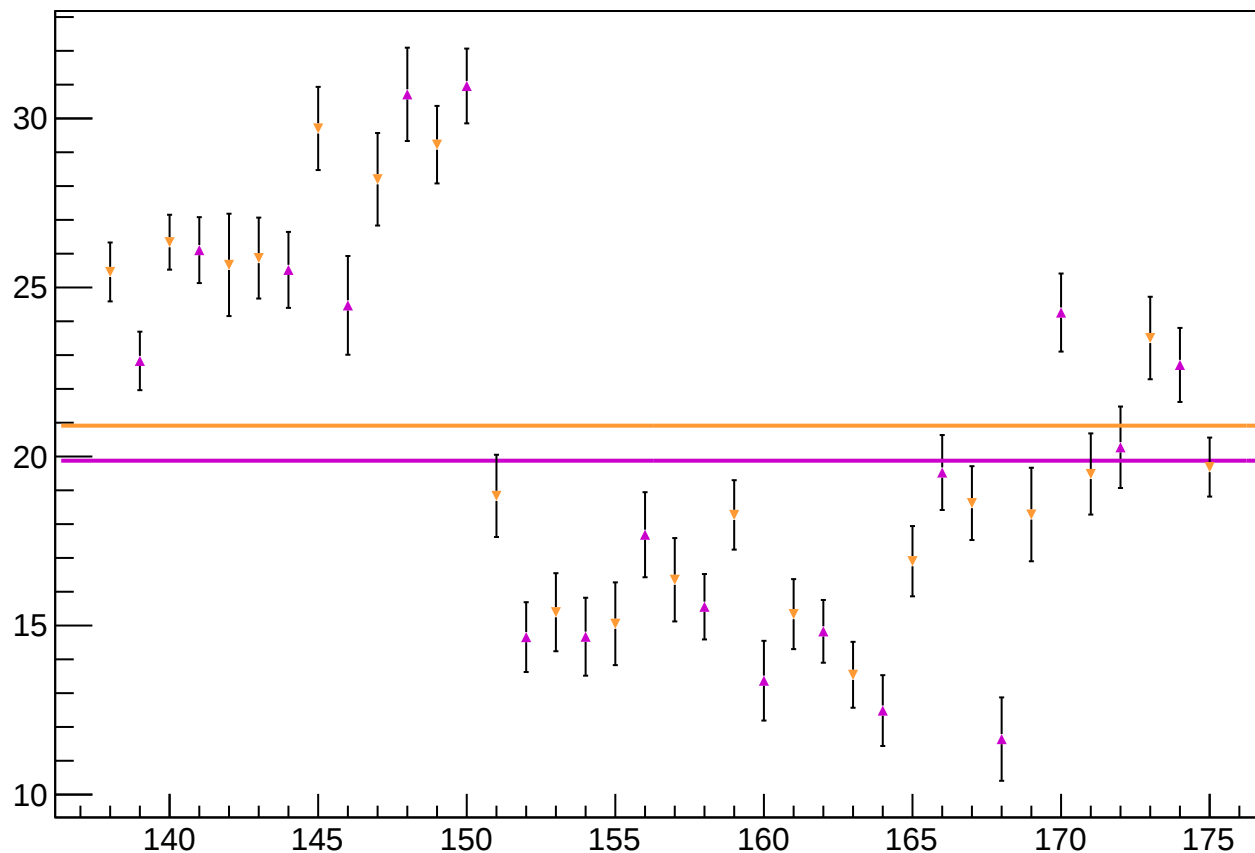
Right: 0.156 ± 0.010 χ^2/NDF : 737.1/35

In: -0.161 ± 0.008 χ^2/NDF : 2736.5/34

Out: -0.195 ± 0.007 χ^2/NDF : 2105.5/38

All: -0.179 ± 0.005 χ^2/NDF : 4852.4/73

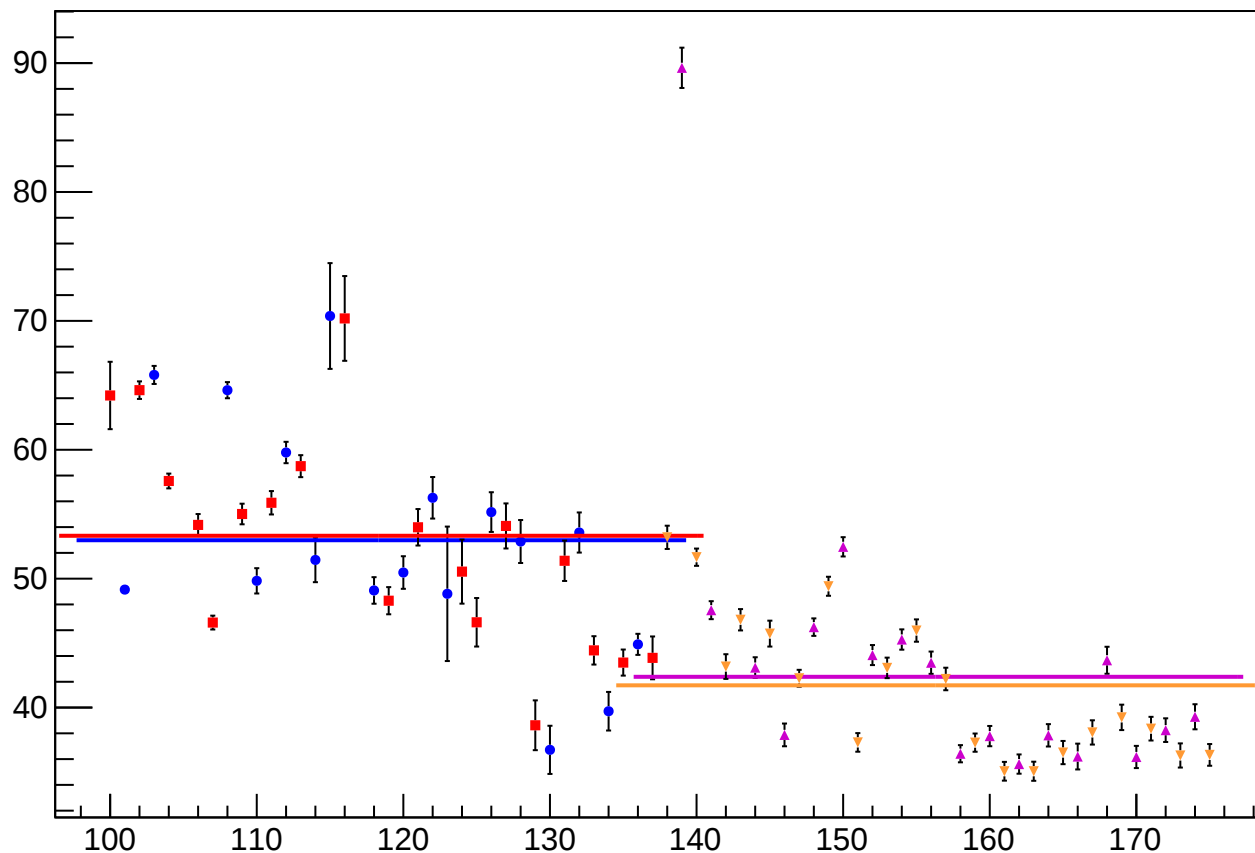
reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 20.913 $\pm$ 0.246 χ^2 /NDF:416.8/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 19.877 $\pm$ 0.259 χ^2 /NDF:494.3/17

Left: 20.422 $\pm$ 0.178 χ^2 /NDF: 919.6/37
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 19.877 $\pm$ 0.259 χ^2 /NDF:494.3/17
 Out: 20.913 $\pm$ 0.246 χ^2 /NDF:416.8/19
 All: 20.422 $\pm$ 0.178 χ^2 /NDF: 919.6/37

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: 41.724 $\pm$ 0.182 χ^2 /NDF: 959.3/19

Right Out: 53.328 $\pm$ 0.227 χ^2 /NDF: 872.7/18

Left In: 42.385 $\pm$ 0.195 χ^2 /NDF: 1575.0/17

Left: 42.032 $\pm$ 0.133 χ^2 /NDF: 2540.5/37

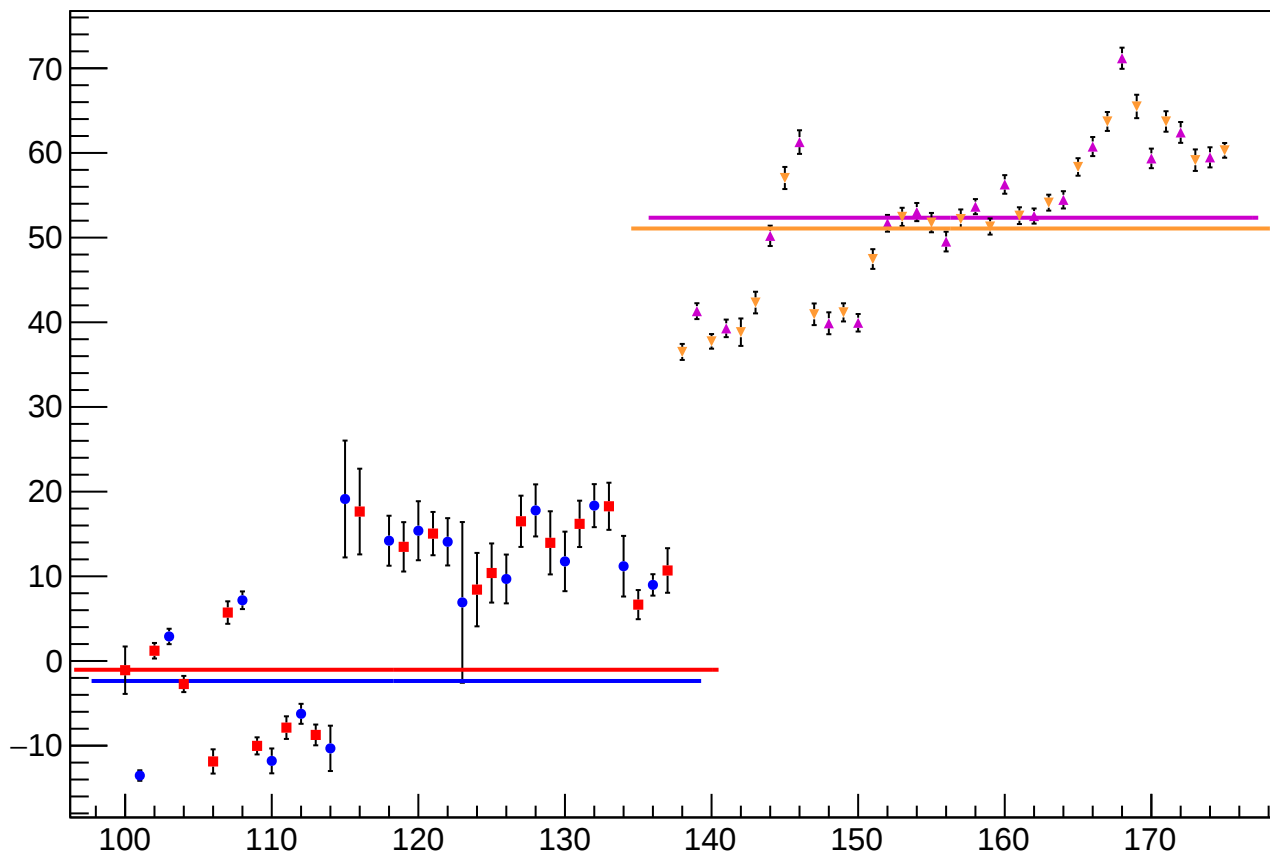
Right: 53.141 $\pm$ 0.154 χ^2 /NDF: 2071.7/35

In: 47.283 $\pm$ 0.143 χ^2 /NDF: 4139.8/34

Out: 46.278 $\pm$ 0.142 χ^2 /NDF: 3424.0/38

All: 46.777 $\pm$ 0.101 χ^2 /NDF: 7588.7/73

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.361 ± 0.364 χ^2/NDF : 840.8/16

Left Out: 51.077 ± 0.244 χ^2/NDF : 1322.2/19

Right Out: -1.035 ± 0.377 χ^2/NDF : 507.7/18

Left In: 52.347 ± 0.256 χ^2/NDF : 1027.3/17

Left: 51.682 ± 0.177 χ^2/NDF : 2362.4/37

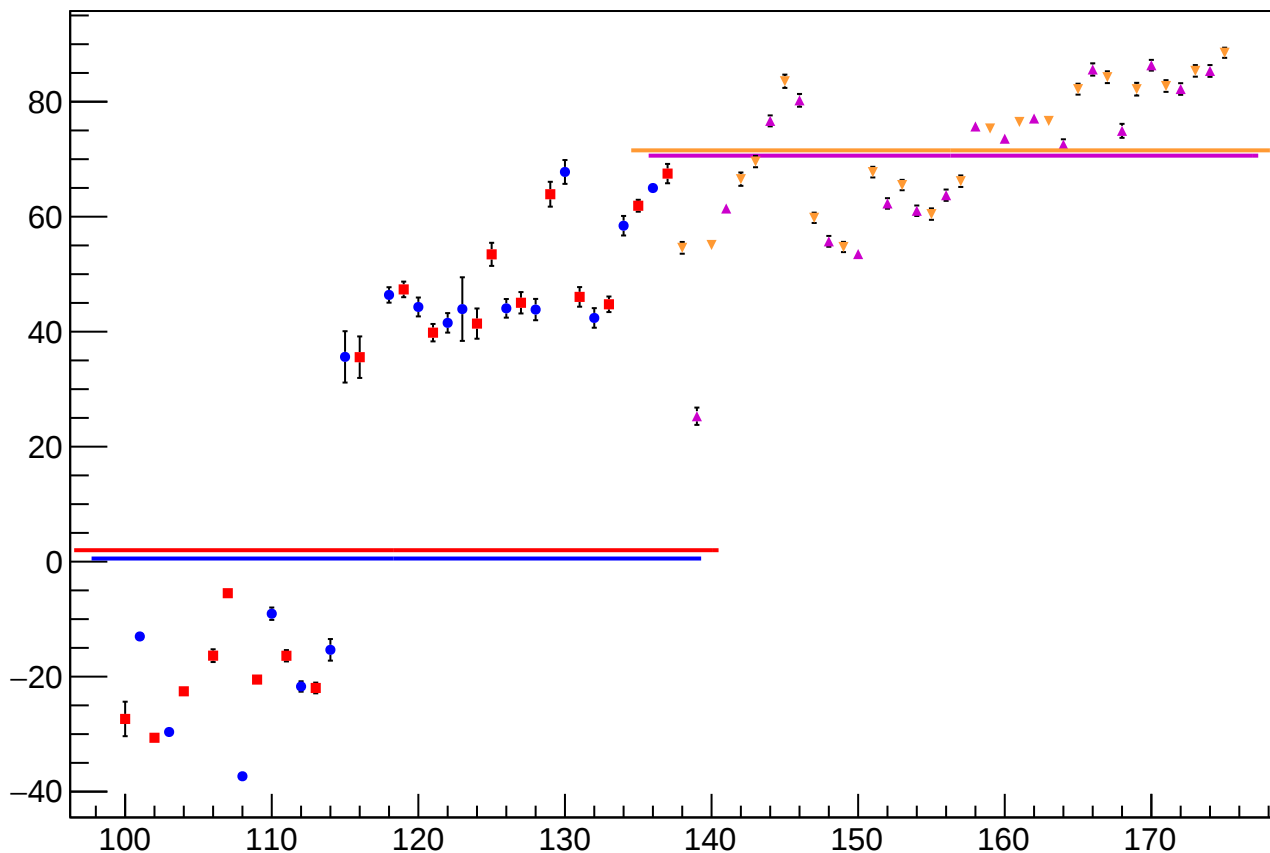
Right: -1.721 ± 0.262 χ^2/NDF : 1355.0/35

In: 34.250 ± 0.209 χ^2/NDF : 17000.3/34

Out: 35.696 ± 0.205 χ^2/NDF : 15303.9/38

All: 34.989 ± 0.146 χ^2/NDF : 32328.6/73

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.541+/-0.247 χ^2/NDF : 18423.8/16

Left Out: 71.537+/-0.208 χ^2/NDF : 2719.2/19

Right Out: 1.990+/-0.267 χ^2/NDF : 15476.7/18

Left In: 70.615+/-0.221 χ^2/NDF : 2991.3/17

Left: 71.103+/-0.151 χ^2/NDF : 5719.7/37

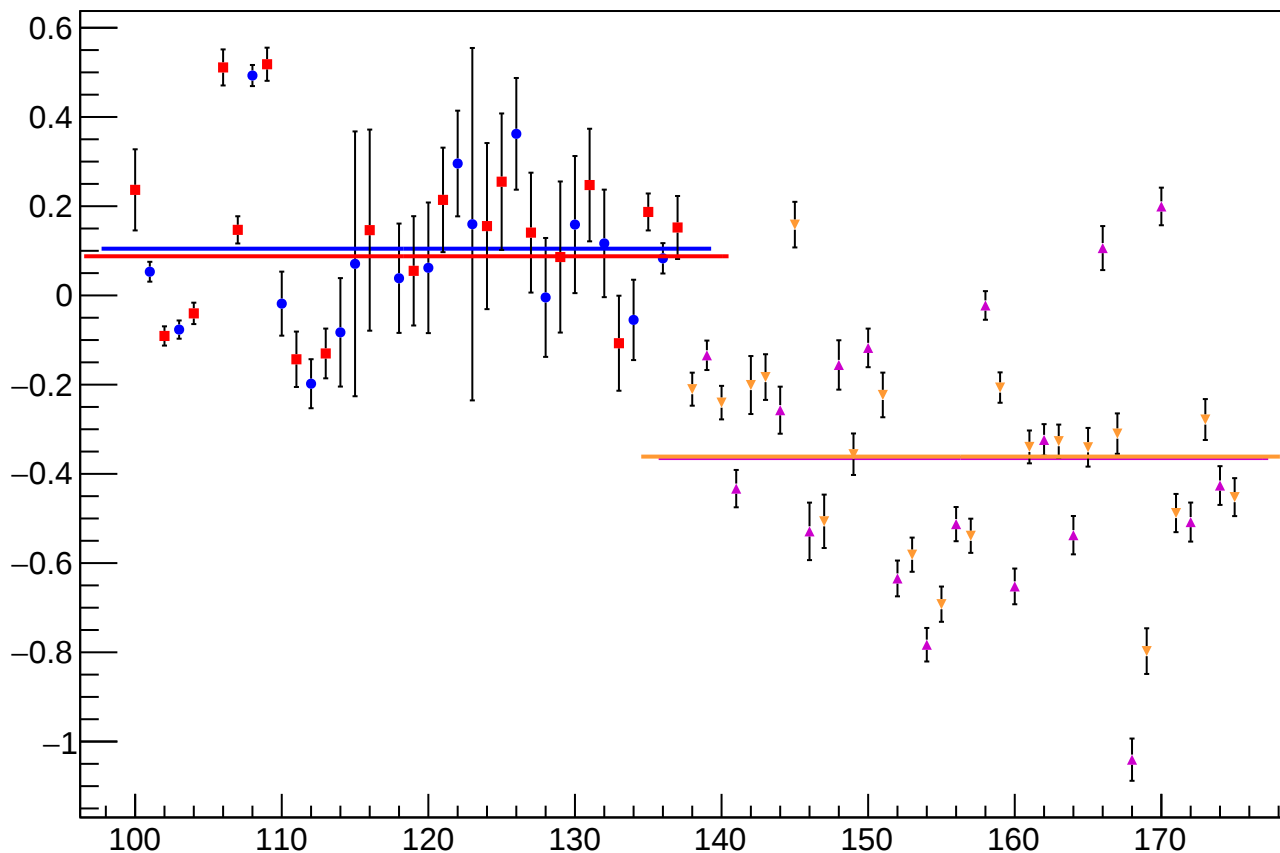
Right: 1.210+/-0.181 χ^2/NDF : 33916.4/35

In: 39.453+/-0.165 χ^2/NDF : 66216.0/34

Out: 45.207+/-0.164 χ^2/NDF : 60509.7/38

All: 42.340+/-0.116 χ^2/NDF : 127339.3/73

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: -0.361 ± 0.010 $\chi^2/\text{NDF}: 399.2/19$

Right Out: 0.088 ± 0.011 $\chi^2/\text{NDF}: 391.0/18$

Left In: -0.365 ± 0.010 $\chi^2/\text{NDF}: 962.3/17$

Left: -0.363 ± 0.007 $\chi^2/\text{NDF}: 1361.5/37$

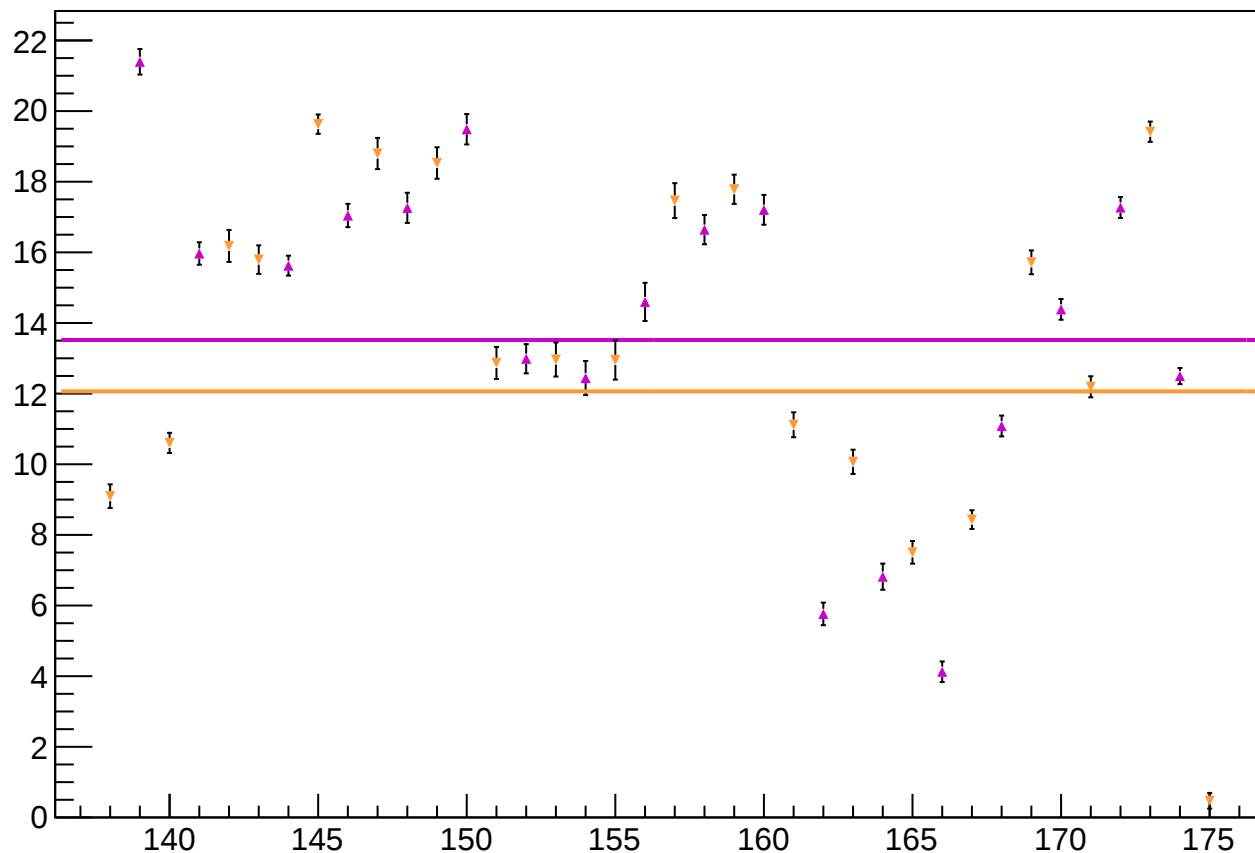
Right: 0.096 ± 0.008 $\chi^2/\text{NDF}: 792.9/35$

In: -0.157 ± 0.007 $\chi^2/\text{NDF}: 2372.7/34$

Out: -0.167 ± 0.007 $\chi^2/\text{NDF}: 1736.8/38$

All: -0.162 ± 0.005 $\chi^2/\text{NDF}: 4110.5/73$

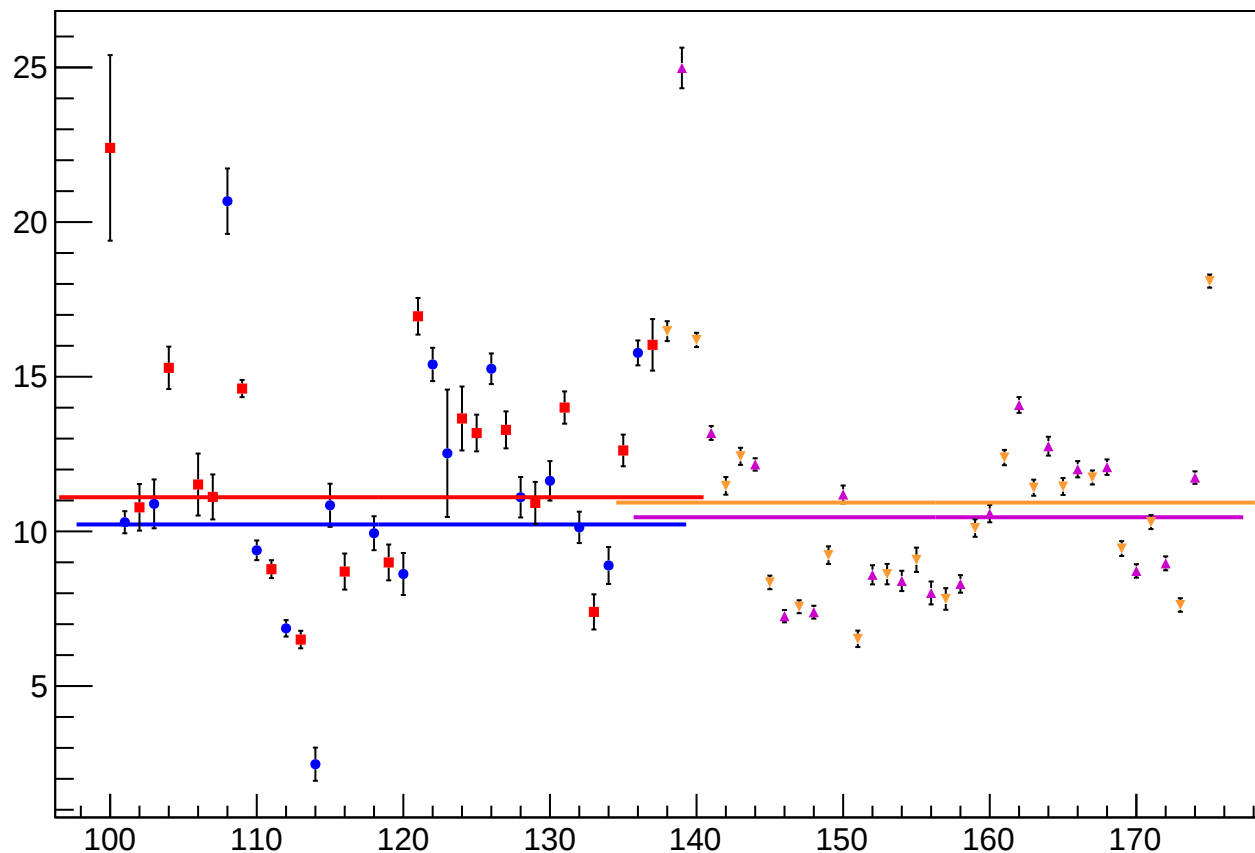
reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 12.064+/-0.076 χ^2/NDF :5716.4/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 13.520+/-0.080 χ^2/NDF :3329.2/17

Left: 12.763+/-0.055 χ^2/NDF : 9219.3/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 13.520+/-0.080 χ^2/NDF :3329.2/17
 Out: 12.064+/-0.076 χ^2/NDF :5716.4/19
 All: 12.763+/-0.055 χ^2/NDF : 9219.3/37

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: 10.931 $\pm$ 0.057 χ^2 /NDF:3170.6/19

Right Out: 11.104 $\pm$ 0.116 χ^2 /NDF: 817.2/18

Left In: 10.457 $\pm$ 0.060 χ^2 /NDF:1852.9/17

Left: 10.703 $\pm$ 0.041 χ^2 /NDF: 5056.3/37

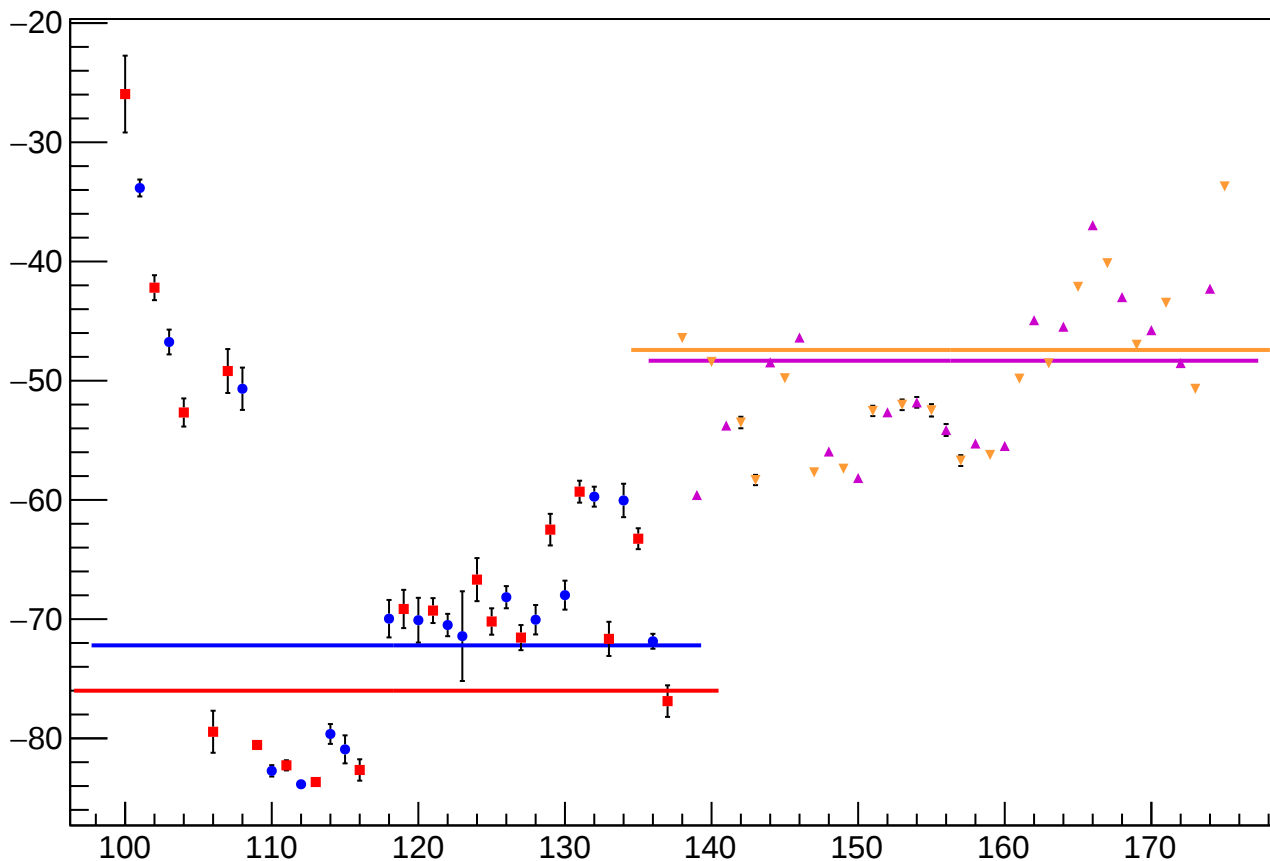
Right: 10.673 $\pm$ 0.083 χ^2 /NDF: 1722.7/35

In: 10.411 $\pm$ 0.053 χ^2 /NDF:2733.6/34

Out: 10.965 $\pm$ 0.051 χ^2 /NDF:3989.6/38

All: 10.697 $\pm$ 0.037 χ^2 /NDF: 6779.2/73

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.201 ± 0.198 χ^2/NDF : 5566.9/16

Left Out: -47.420 ± 0.077 χ^2/NDF : 8488.6/19

Right Out: -76.003 ± 0.181 χ^2/NDF : 3465.4/18

Left In: -48.324 ± 0.080 χ^2/NDF : 5705.9/17

Left: -47.855 ± 0.055 χ^2/NDF : 14261.1/37

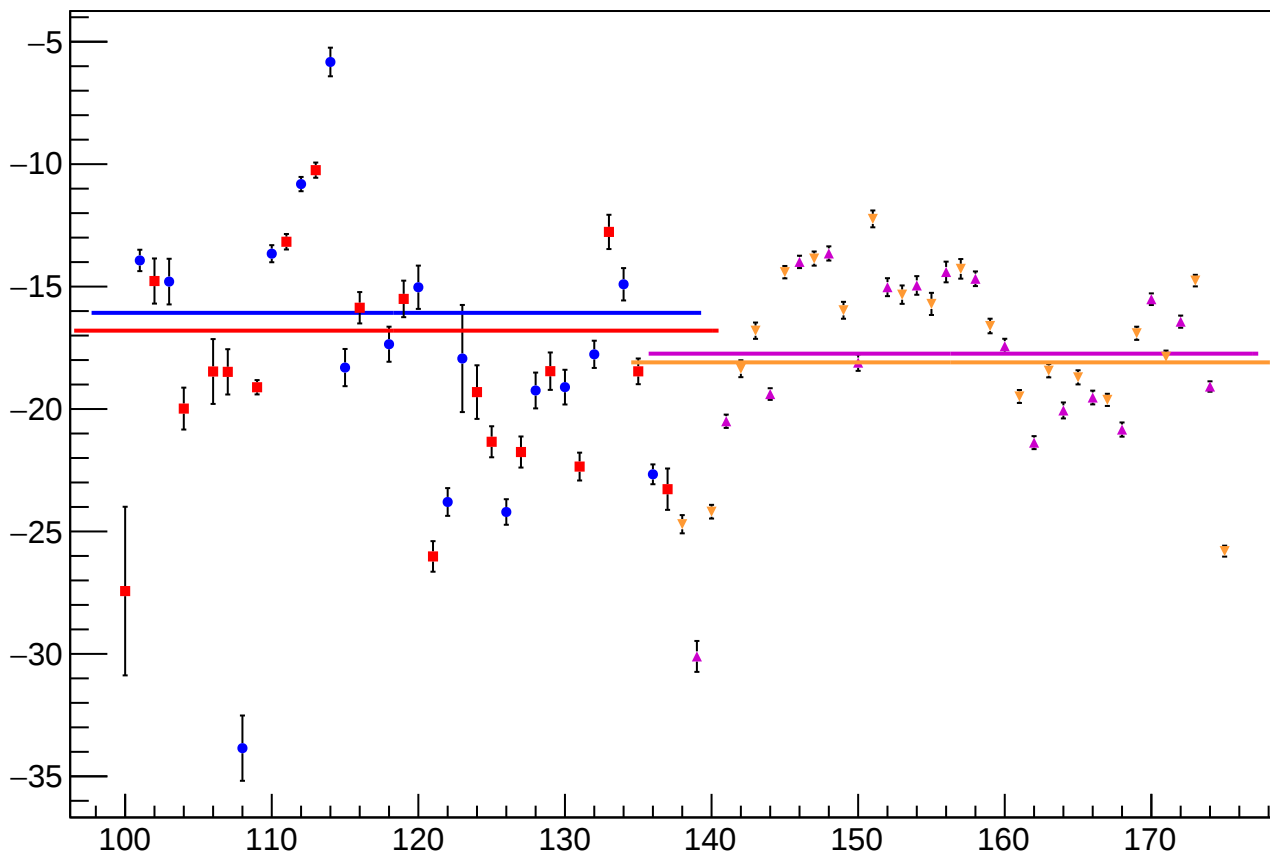
Right: -74.270 ± 0.133 χ^2/NDF : 9233.6/35

In: -51.673 ± 0.074 χ^2/NDF : 23814.2/34

Out: -51.785 ± 0.071 χ^2/NDF : 33098.8/38

All: -51.731 ± 0.051 χ^2/NDF : 56914.2/73

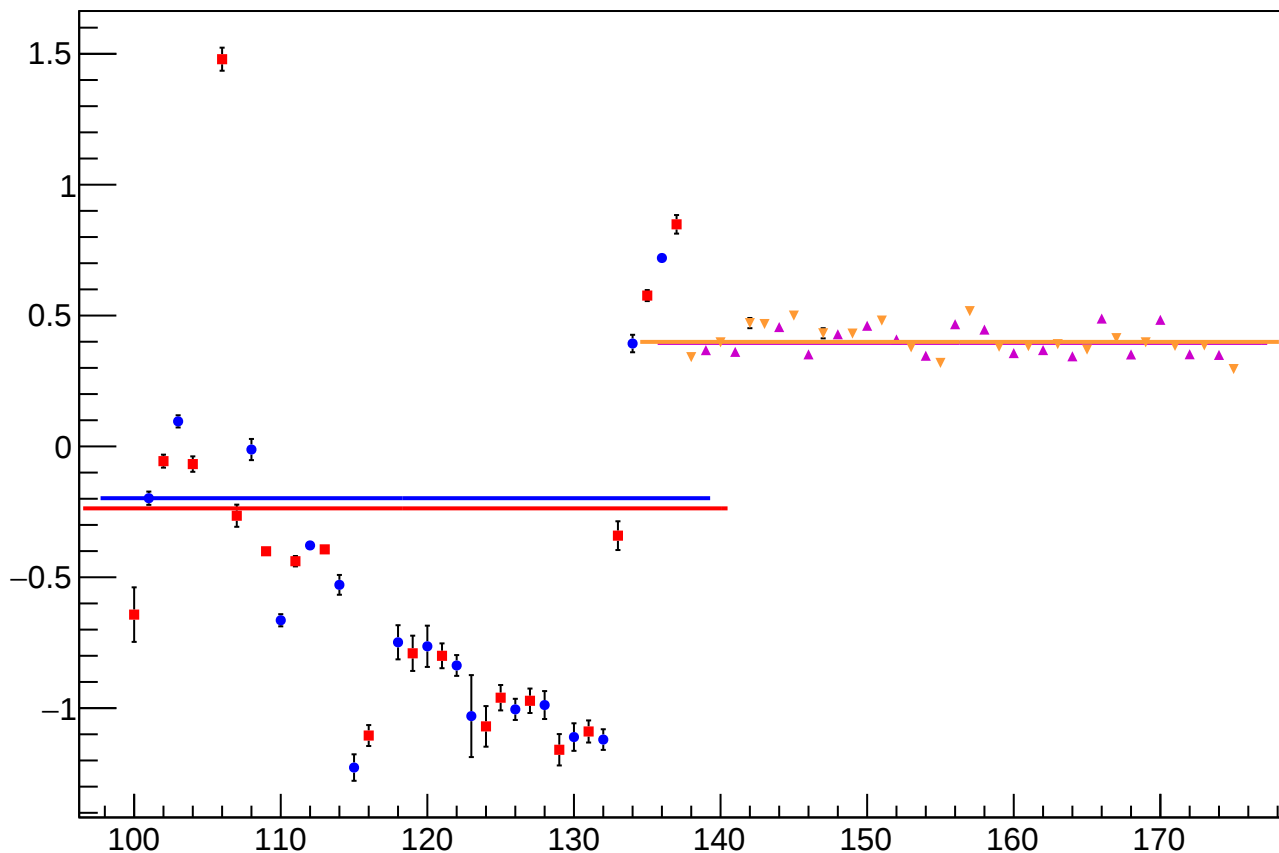
reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.072 ± 0.132 $\chi^2/\text{NDF}: 1640.9/16$
 Left Out: -18.095 ± 0.065 $\chi^2/\text{NDF}: 3238.1/19$
 Right Out: -16.799 ± 0.128 $\chi^2/\text{NDF}: 1215.8/18$
 Left In: -17.739 ± 0.068 $\chi^2/\text{NDF}: 1776.6/17$

Left: -17.924 ± 0.047 $\chi^2/\text{NDF}: 5029.0/37$
 Right: -16.447 ± 0.092 $\chi^2/\text{NDF}: 2872.2/35$
 In: -17.389 ± 0.060 $\chi^2/\text{NDF}: 3543.3/34$
 Out: -17.828 ± 0.058 $\chi^2/\text{NDF}: 4535.1/38$
 All: -17.617 ± 0.042 $\chi^2/\text{NDF}: 8105.6/73$

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.198 ± 0.008 χ^2/NDF : 6338.8/16

Left Out: 0.399 ± 0.003 χ^2/NDF : 336.4/19

Right Out: -0.237 ± 0.007 χ^2/NDF : 6221.9/18

Left In: 0.395 ± 0.003 χ^2/NDF : 301.3/17

Left: 0.397 ± 0.002 χ^2/NDF : 638.6/37

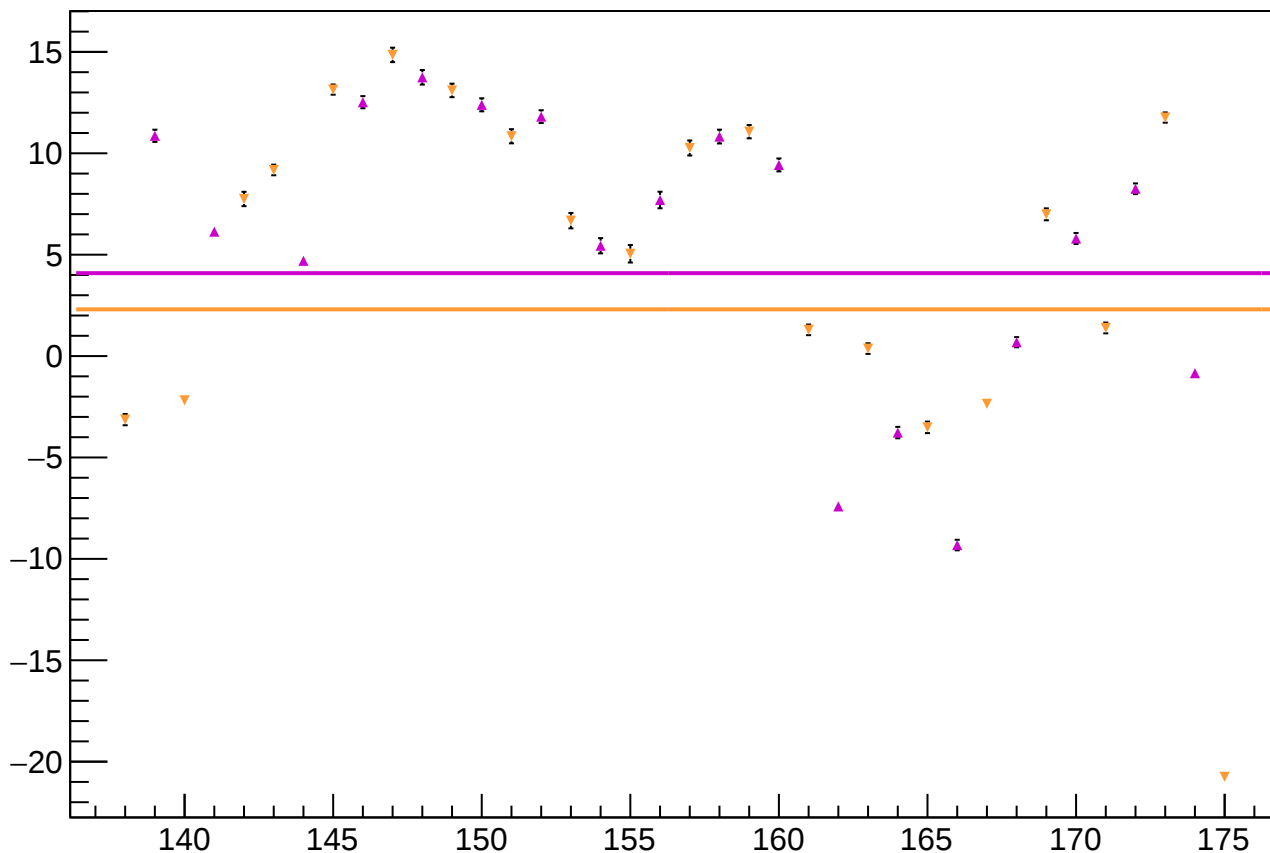
Right: -0.218 ± 0.005 χ^2/NDF : 12574.6/35

In: 0.309 ± 0.003 χ^2/NDF : 11939.9/34

Out: 0.302 ± 0.003 χ^2/NDF : 13226.5/38

All: 0.306 ± 0.002 χ^2/NDF : 25169.6/73

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: 2.305 $\pm$ 0.063 χ^2 /NDF:23946.1/19

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

Left In: 4.089 $\pm$ 0.066 χ^2 /NDF:10893.7/17

Left: 3.153 $\pm$ 0.046 χ^2 /NDF: 35220.5/37

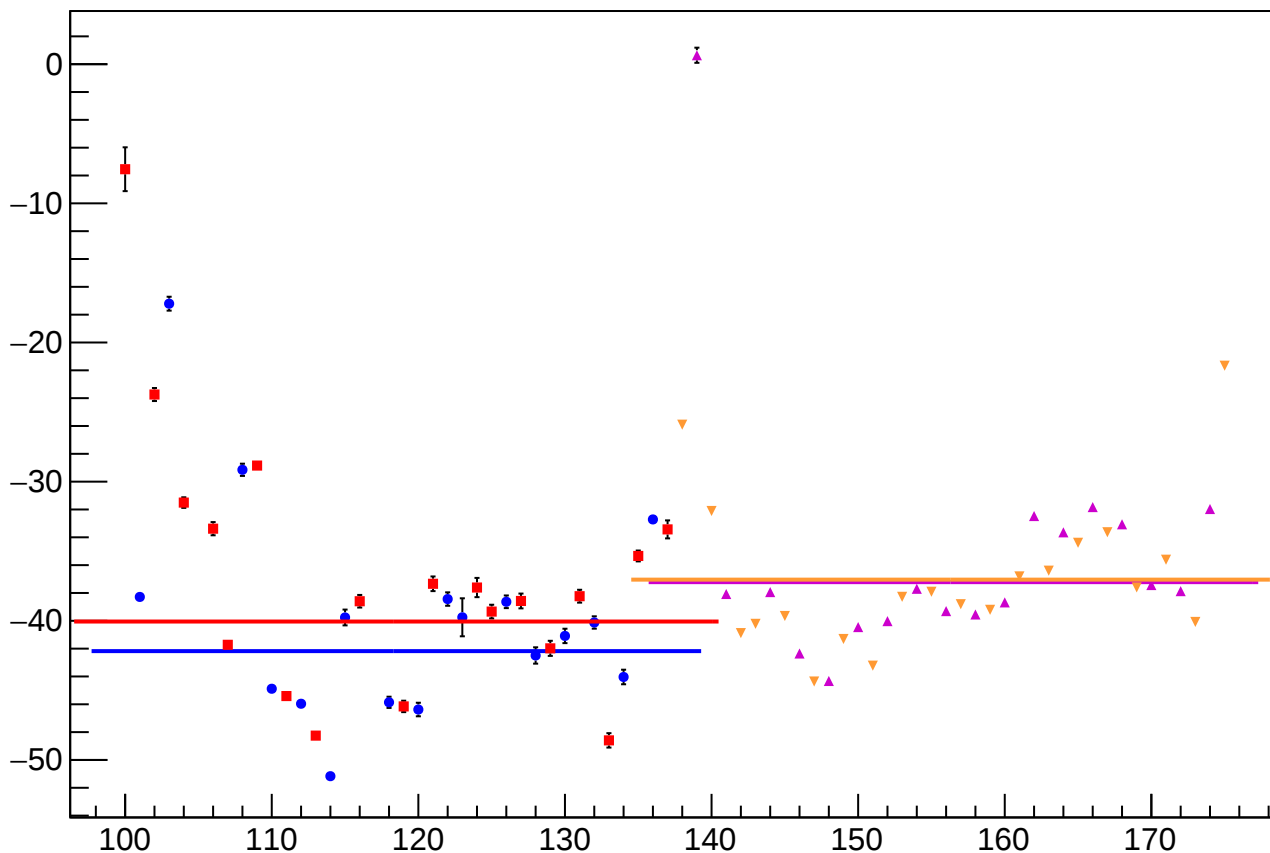
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 4.089 $\pm$ 0.066 χ^2 /NDF:10893.7/17

Out: 2.305 $\pm$ 0.063 χ^2 /NDF:23946.1/19

All: 3.153 $\pm$ 0.046 χ^2 /NDF: 35220.5/37

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.179 ± 0.078 $\chi^2/\text{NDF}: 6573.8/16$

Left Out: -37.042 ± 0.047 $\chi^2/\text{NDF}: 13855.3/19$

Right Out: -40.052 ± 0.073 $\chi^2/\text{NDF}: 11313.5/18$

Left In: -37.222 ± 0.050 $\chi^2/\text{NDF}: 10467.7/17$

Left: -37.127 ± 0.034 $\chi^2/\text{NDF}: 24330.0/37$

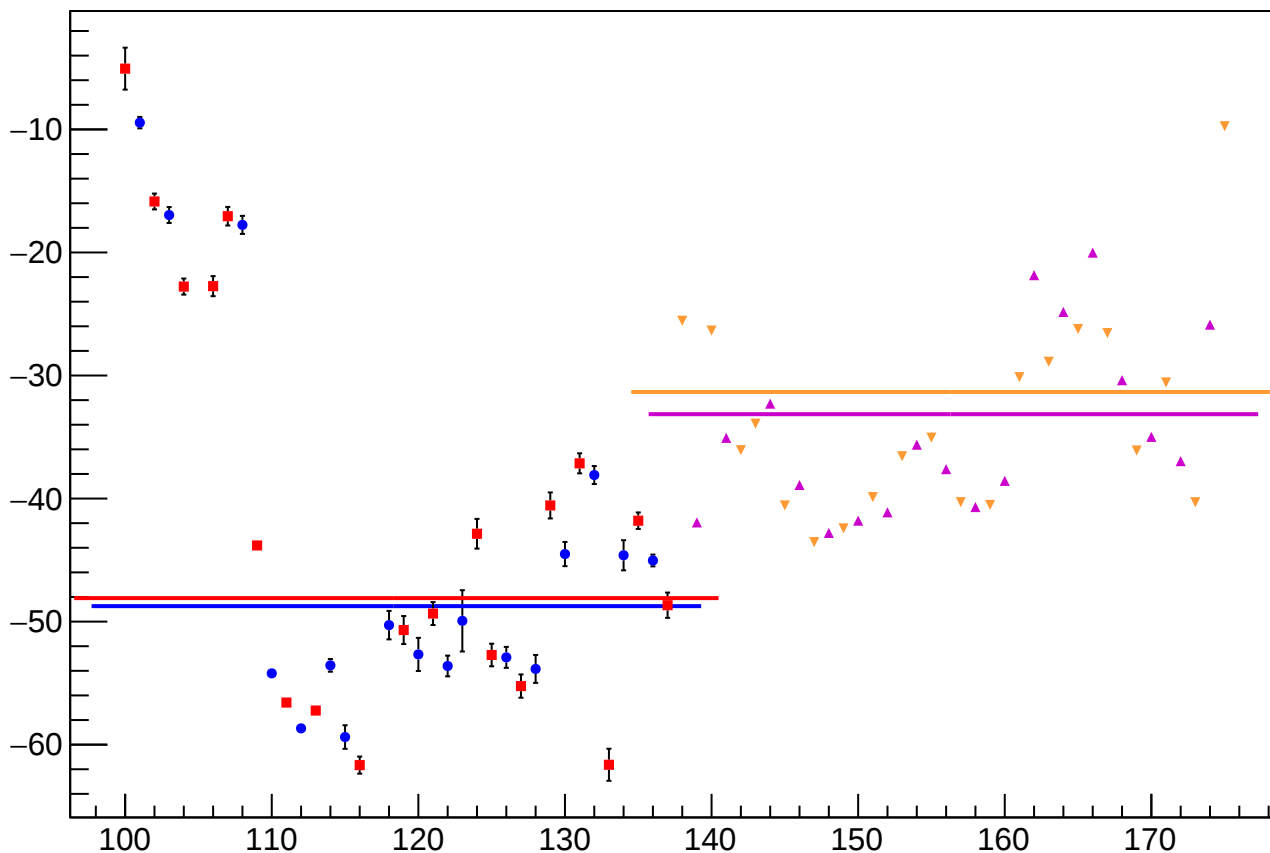
Right: -41.045 ± 0.053 $\chi^2/\text{NDF}: 18285.9/35$

In: -38.657 ± 0.042 $\chi^2/\text{NDF}: 19927.6/34$

Out: -37.923 ± 0.039 $\chi^2/\text{NDF}: 26378.9/38$

All: -38.268 ± 0.029 $\chi^2/\text{NDF}: 46469.9/73$

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: -31.336 ± 0.063 $\chi^2/\text{NDF}: 21538.9/19$

Right Out: -48.091 ± 0.107 $\chi^2/\text{NDF}: 11731.5/18$

Left In: -33.142 ± 0.066 $\chi^2/\text{NDF}: 11844.4/17$

Left: -32.197 ± 0.046 $\chi^2/\text{NDF}: 33773.5/37$

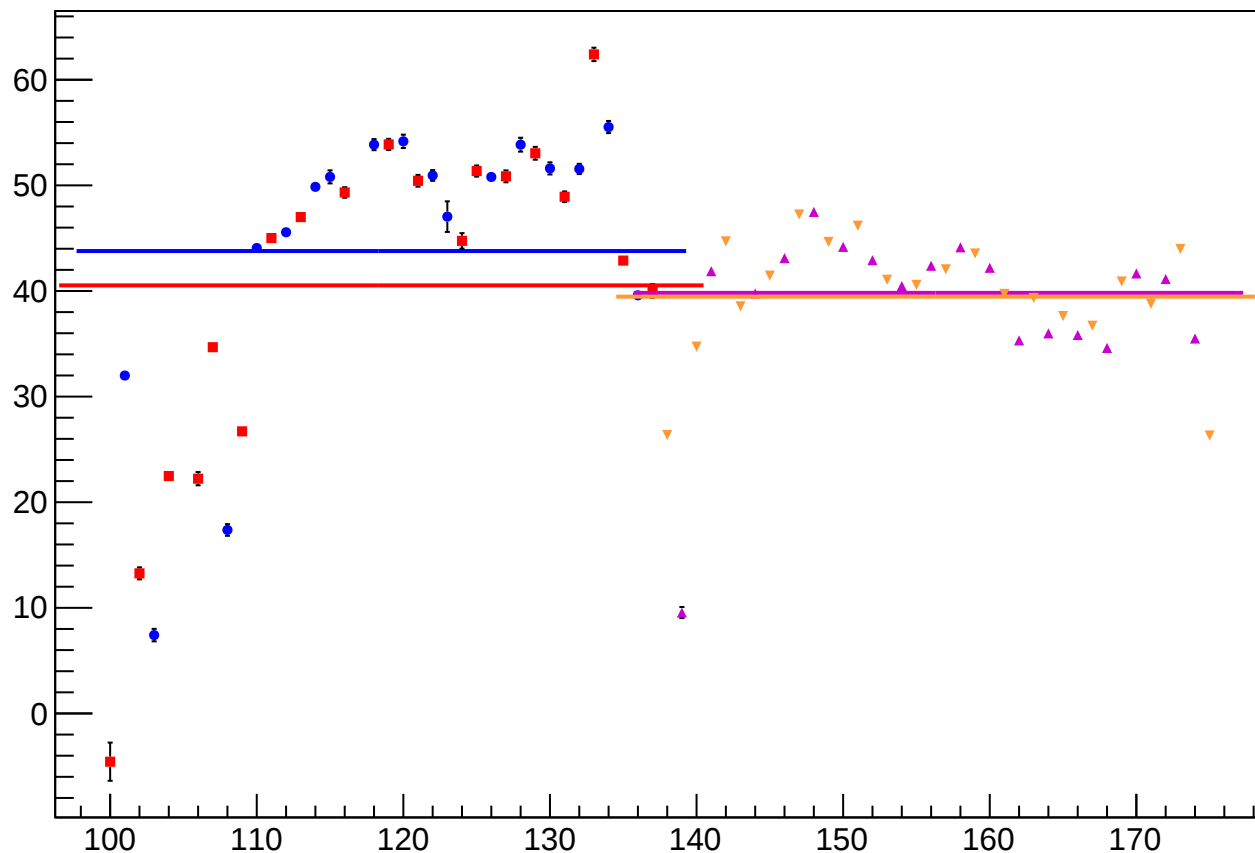
Right: -48.369 ± 0.081 $\chi^2/\text{NDF}: 26405.8/35$

In: -36.580 ± 0.058 $\chi^2/\text{NDF}: 38758.7/34$

Out: -35.649 ± 0.054 $\chi^2/\text{NDF}: 51403.7/38$

All: -36.082 ± 0.040 $\chi^2/\text{NDF}: 90298.6/73$

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.782 ± 0.087 $\chi^2/\text{NDF}: 10638.7/16$

Left Out: 39.463 ± 0.053 $\chi^2/\text{NDF}: 10366.8/19$

Right Out: 40.530 ± 0.080 $\chi^2/\text{NDF}: 17580.7/18$

Left In: 39.822 ± 0.056 $\chi^2/\text{NDF}: 7583.0/17$

Left: 39.632 ± 0.039 $\chi^2/\text{NDF}: 17971.0/37$

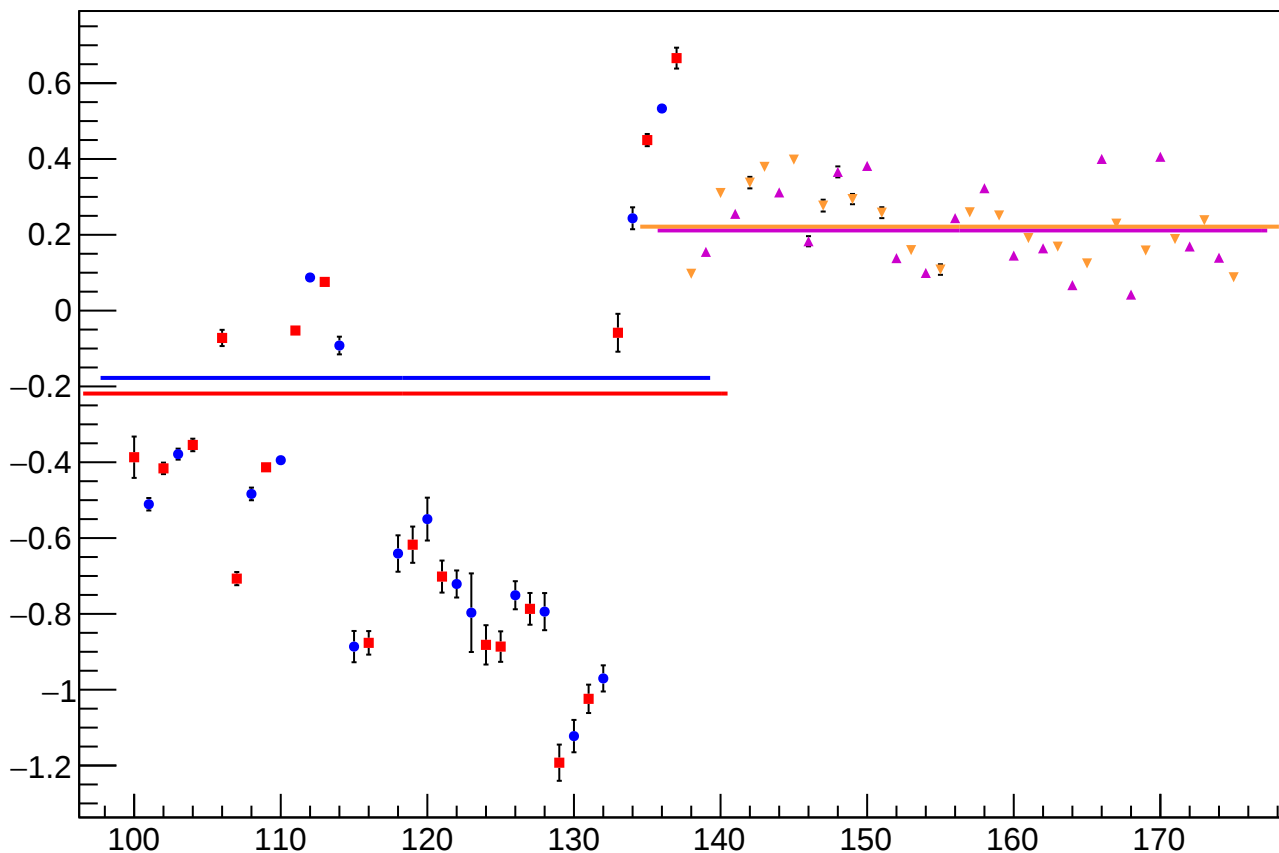
Right: 42.031 ± 0.059 $\chi^2/\text{NDF}: 28978.3/35$

In: 41.003 ± 0.047 $\chi^2/\text{NDF}: 19688.5/34$

Out: 39.792 ± 0.044 $\chi^2/\text{NDF}: 28070.2/38$

All: 40.360 ± 0.032 $\chi^2/\text{NDF}: 48106.8/73$

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.178 $\pm$ 0.005 χ^2 /NDF: 7375.8/16

Left Out: 0.221 $\pm$ 0.002 χ^2 /NDF:1229.8/19

Right Out: -0.219 $\pm$ 0.004 χ^2 /NDF: 7470.0/18

Left In: 0.212 $\pm$ 0.003 χ^2 /NDF:1922.6/17

Left: 0.217 $\pm$ 0.002 χ^2 /NDF: 3160.2/37

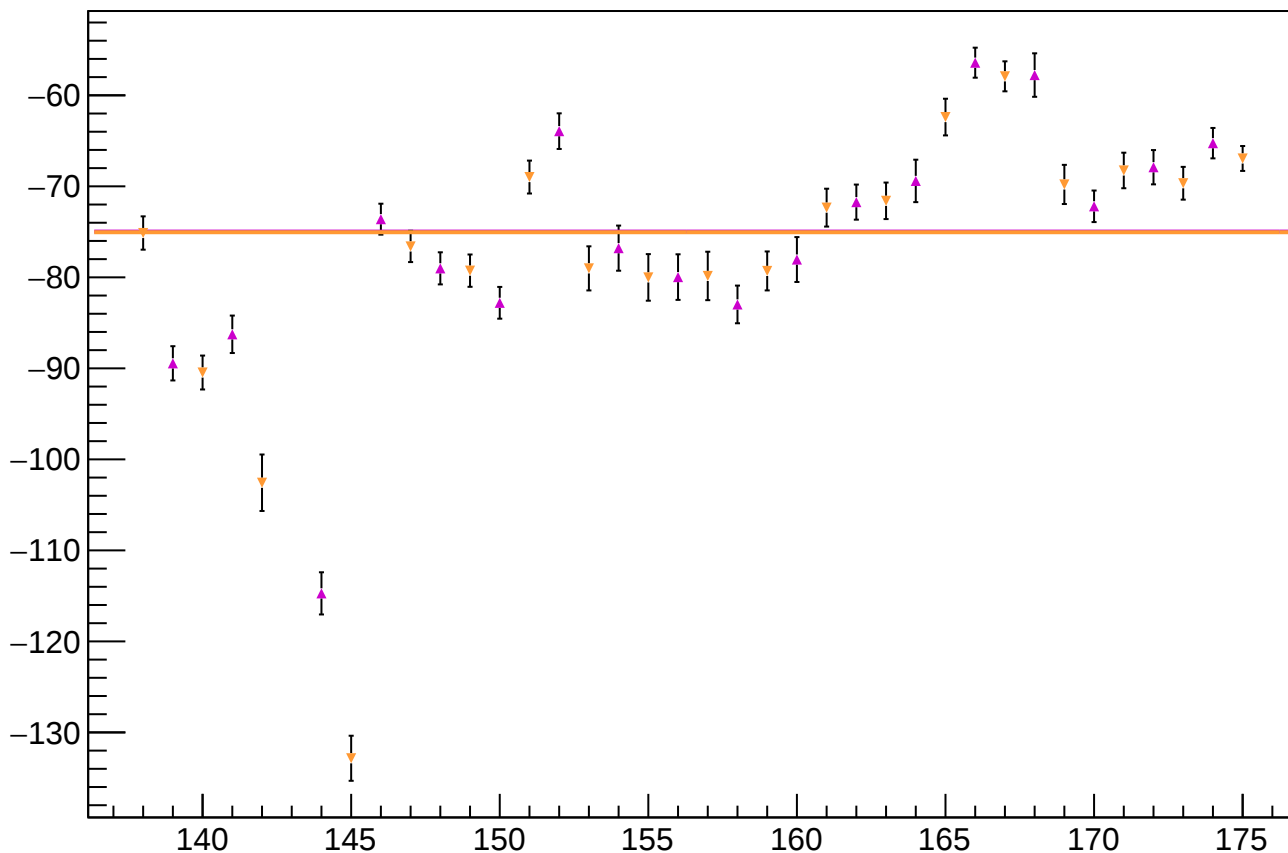
Right: -0.201 $\pm$ 0.003 χ^2 /NDF: 14886.5/35

In: 0.126 $\pm$ 0.002 χ^2 /NDF:14348.1/34

Out: 0.110 $\pm$ 0.002 χ^2 /NDF:16537.8/38

All: 0.118 $\pm$ 0.002 χ^2 /NDF: 30910.4/73

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -75.042 ± 0.451 χ^2/NDF : 937.8/18

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -74.974 ± 0.464 χ^2/NDF : 699.6/17

Left: -75.009 ± 0.323 χ^2/NDF : 1637.4/36

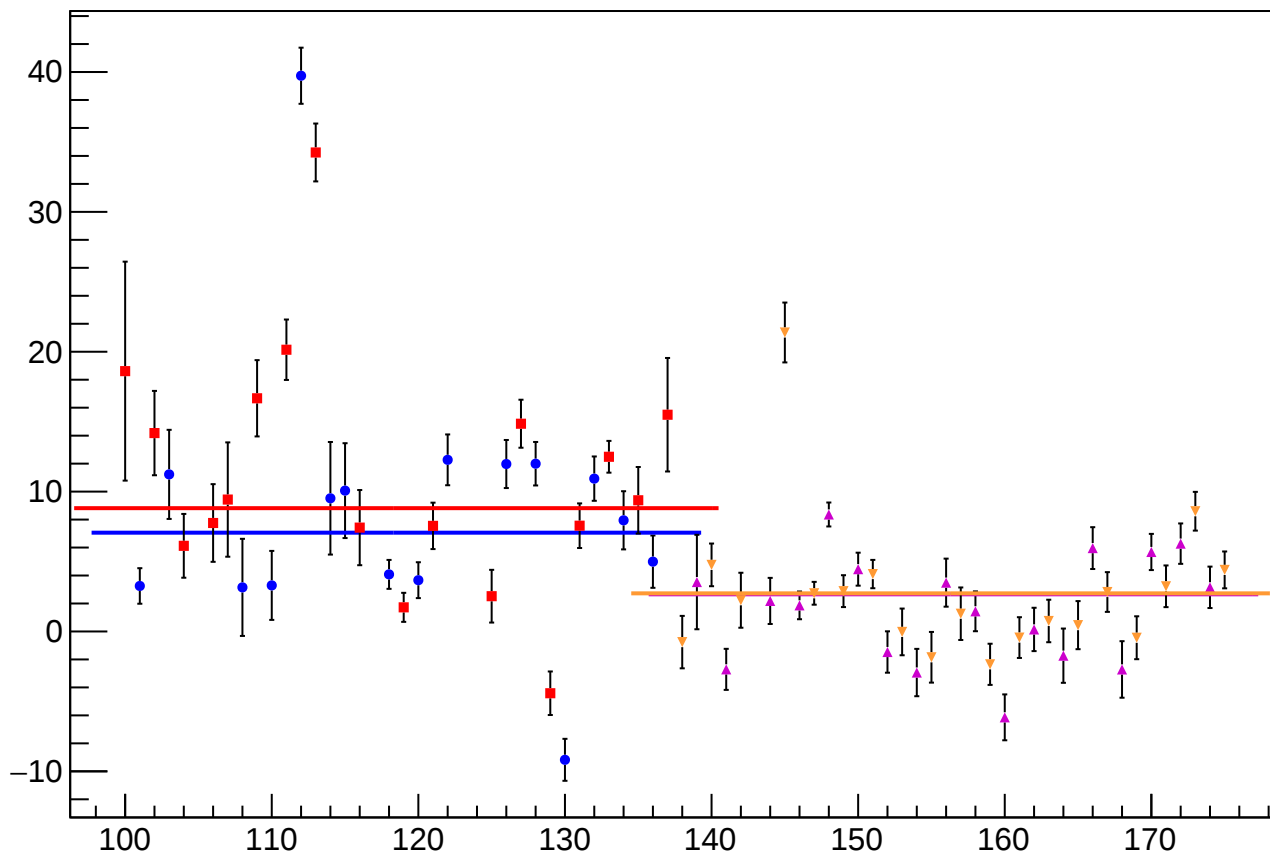
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -74.974 ± 0.464 χ^2/NDF : 699.6/17

Out: -75.042 ± 0.451 χ^2/NDF : 937.8/18

All: -75.009 ± 0.323 χ^2/NDF : 1637.4/36

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.063 ± 0.434 $\chi^2/\text{NDF}: 446.9/15$

Left Out: 2.725 ± 0.323 $\chi^2/\text{NDF}: 136.9/18$

Right Out: 8.816 ± 0.449 $\chi^2/\text{NDF}: 350.4/17$

Left In: 2.655 ± 0.334 $\chi^2/\text{NDF}: 140.9/17$

Left: 2.691 ± 0.233 $\chi^2/\text{NDF}: 277.8/36$

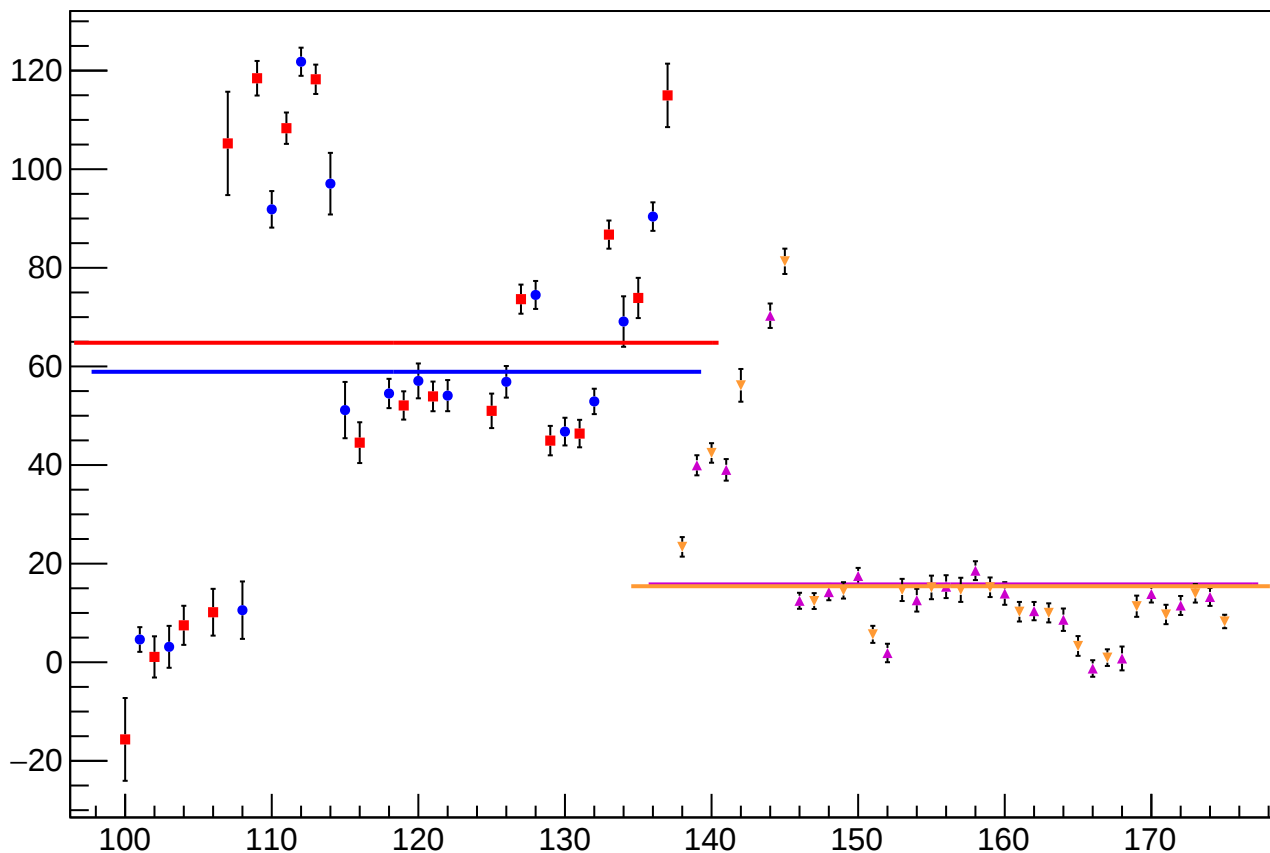
Right: 7.909 ± 0.312 $\chi^2/\text{NDF}: 805.1/33$

In: 4.300 ± 0.265 $\chi^2/\text{NDF}: 652.6/33$

Out: 4.806 ± 0.262 $\chi^2/\text{NDF}: 608.4/36$

All: 4.555 ± 0.186 $\chi^2/\text{NDF}: 1262.8/70$

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.913 ± 0.831 χ^2/NDF : 1496.7/15

Left Out: 15.420 ± 0.445 χ^2/NDF : 1211.2/18

Right Out: 64.803 ± 0.840 χ^2/NDF : 1718.2/17

Left In: 15.786 ± 0.458 χ^2/NDF : 971.0/17

Left: 15.598 ± 0.319 χ^2/NDF : 2182.5/36

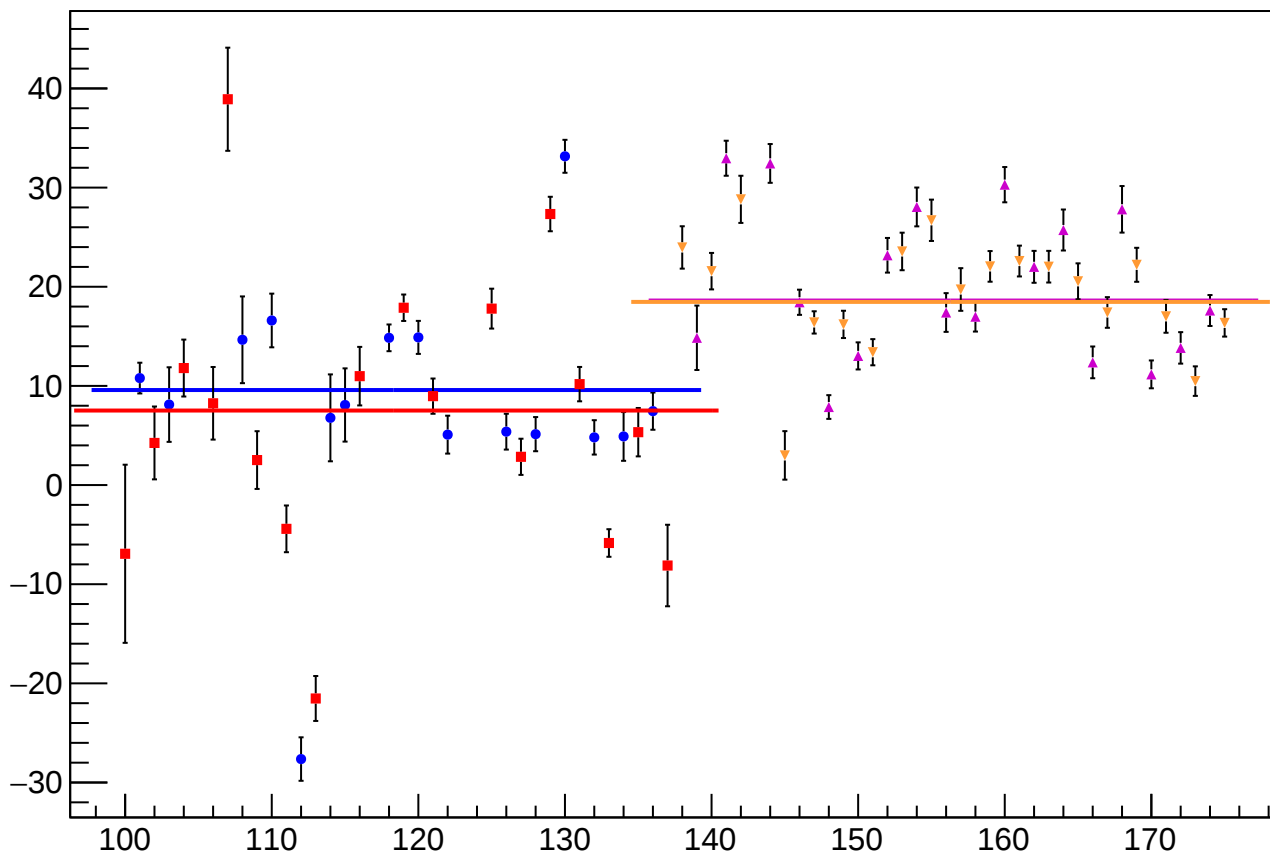
Right: 61.827 ± 0.591 χ^2/NDF : 3239.7/33

In: 25.823 ± 0.401 χ^2/NDF : 4532.2/33

Out: 26.241 ± 0.393 χ^2/NDF : 5626.7/36

All: 26.036 ± 0.281 χ^2/NDF : 10159.4/70

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.583 ± 0.501 $\chi^2/\text{NDF}: 554.4/15$

Left Out: 18.472 ± 0.375 $\chi^2/\text{NDF}: 168.3/18$

Right Out: 7.516 ± 0.516 $\chi^2/\text{NDF}: 569.8/17$

Left In: 18.609 ± 0.388 $\chi^2/\text{NDF}: 373.8/17$

Left: 18.538 ± 0.270 $\chi^2/\text{NDF}: 542.2/36$

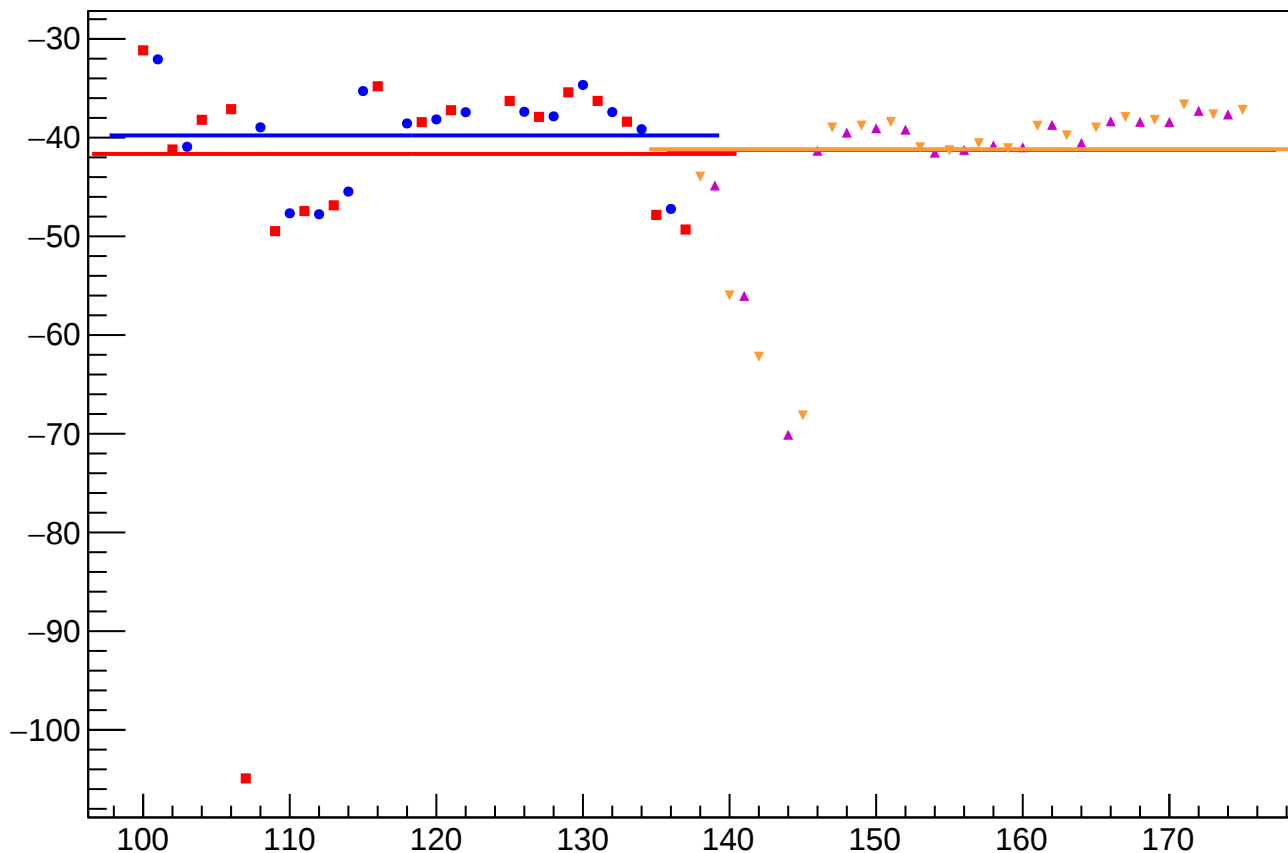
Right: 8.579 ± 0.359 $\chi^2/\text{NDF}: 1132.5/33$

In: 15.227 ± 0.307 $\chi^2/\text{NDF}: 1131.1/33$

Out: 14.680 ± 0.303 $\chi^2/\text{NDF}: 1033.3/36$

All: 14.951 ± 0.216 $\chi^2/\text{NDF}: 2166.0/70$

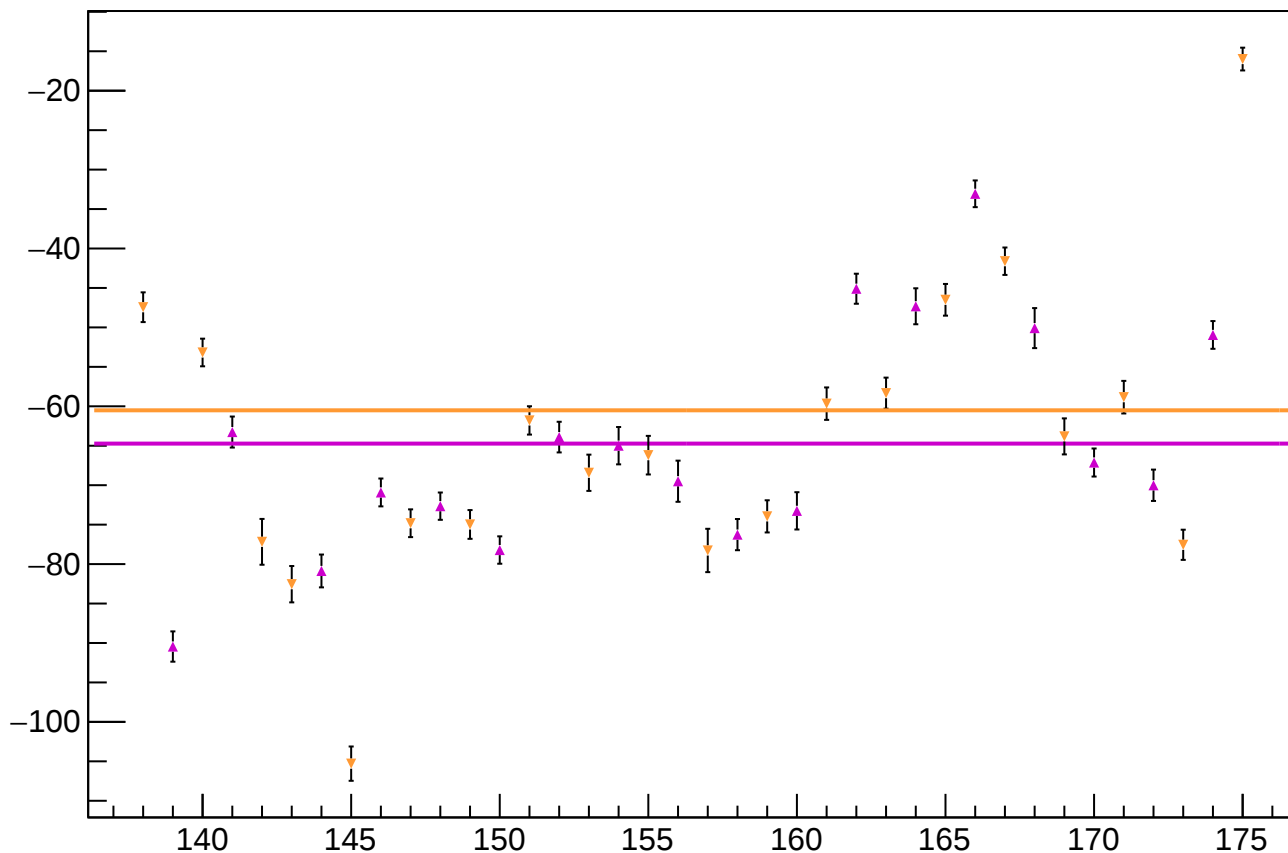
reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.777 ± 0.031 $\chi^2/\text{NDF}: 26158.0/15$
 Left Out: -41.176 ± 0.018 $\chi^2/\text{NDF}: 145229.0/18$
 Right Out: -41.651 ± 0.031 $\chi^2/\text{NDF}: 94457.5/17$
 Left In: -41.246 ± 0.018 $\chi^2/\text{NDF}: 115349.0/17$

Left: -41.211 ± 0.013 $\chi^2/\text{NDF}: 260585.6/36$
 Right: -40.710 ± 0.022 $\chi^2/\text{NDF}: 122427.7/33$
 In: -40.881 ± 0.015 $\chi^2/\text{NDF}: 143187.4/33$
 Out: -41.293 ± 0.015 $\chi^2/\text{NDF}: 239861.1/36$
 All: -41.087 ± 0.011 $\chi^2/\text{NDF}: 383403.3/70$

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -60.509+/-0.445 χ^2/NDF :2048.6/19

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

Left In: -64.729+/-0.464 χ^2/NDF :1002.4/17

Left: -62.531+/-0.321 χ^2/NDF : 3093.9/37

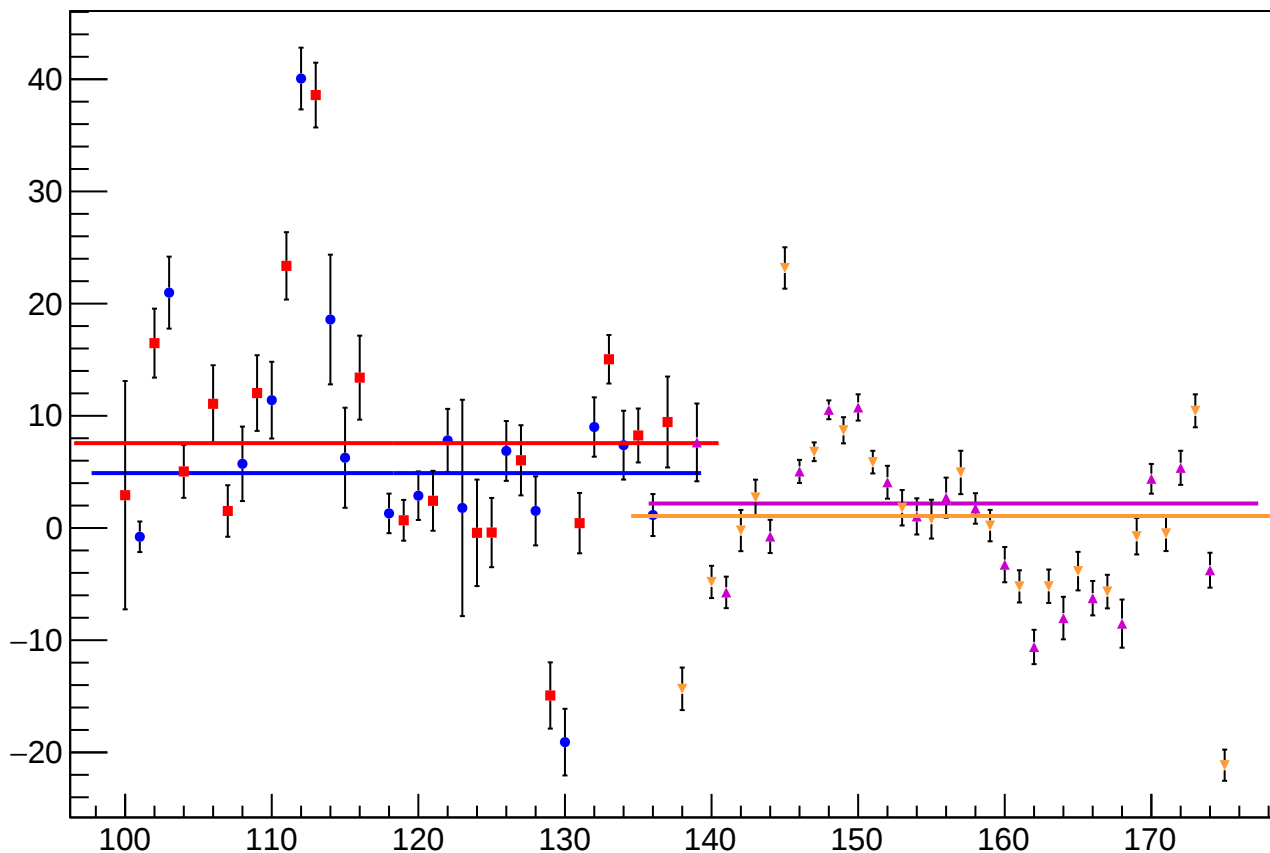
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -64.729+/-0.464 χ^2/NDF :1002.4/17

Out: -60.509+/-0.445 χ^2/NDF :2048.6/19

All: -62.531+/-0.321 χ^2/NDF : 3093.9/37

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.894 ± 0.621 $\chi^2/\text{NDF}: 295.4/16$

Left Out: 1.070 ± 0.318 $\chi^2/\text{NDF}: 708.3/19$

Right Out: 7.565 ± 0.652 $\chi^2/\text{NDF}: 270.2/18$

Left In: 2.183 ± 0.333 $\chi^2/\text{NDF}: 388.5/17$

Left: 1.601 ± 0.230 $\chi^2/\text{NDF}: 1102.6/37$

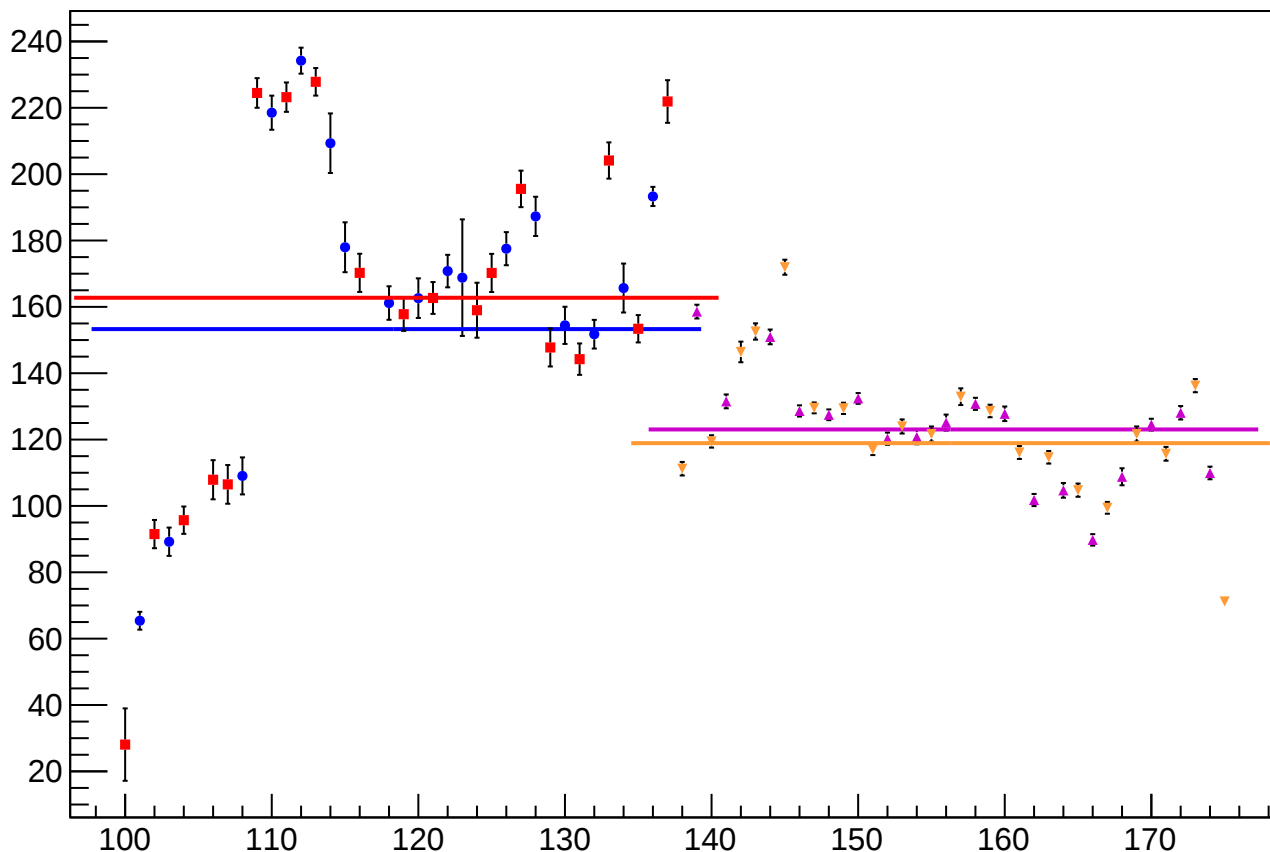
Right: 6.165 ± 0.450 $\chi^2/\text{NDF}: 574.4/35$

In: 2.789 ± 0.294 $\chi^2/\text{NDF}: 698.6/34$

Out: 2.319 ± 0.286 $\chi^2/\text{NDF}: 1058.8/38$

All: 2.547 ± 0.205 $\chi^2/\text{NDF}: 1758.7/73$

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 153.298+/-1.145 χ^2/NDF : 2266.8/16

Left Out: 118.924+/-0.440 χ^2/NDF :2324.2/19

Right Out: 162.747+/-1.177 χ^2/NDF : 1708.7/18

Left In: 123.052+/-0.458 χ^2/NDF :1204.3/17

Left: 120.908+/-0.317 χ^2/NDF : 3570.6/37

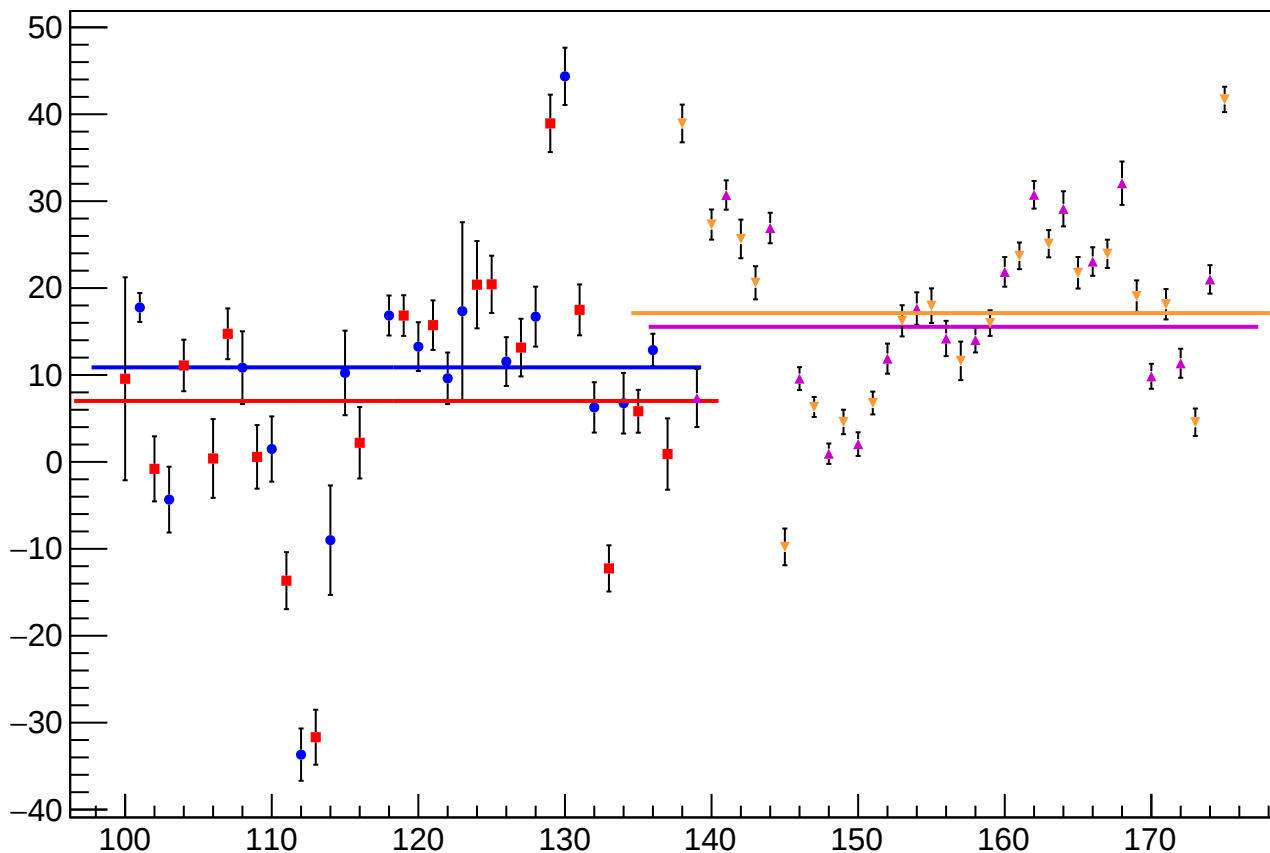
Right: 157.893+/-0.820 χ^2/NDF : 4008.6/35

In: 127.224+/-0.425 χ^2/NDF :4072.9/34

Out: 124.311+/-0.413 χ^2/NDF :5249.5/38

All: 125.723+/-0.296 χ^2/NDF : 9346.6/73

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: 17.123 $\pm$ 0.369 χ^2 /NDF: 969.3/19

Right Out: 7.014 $\pm$ 0.748 χ^2 /NDF: 424.5/18

Left In: 15.543 $\pm$ 0.387 χ^2 /NDF: 657.5/17

Left: 16.369 $\pm$ 0.267 χ^2 /NDF: 1635.6/37

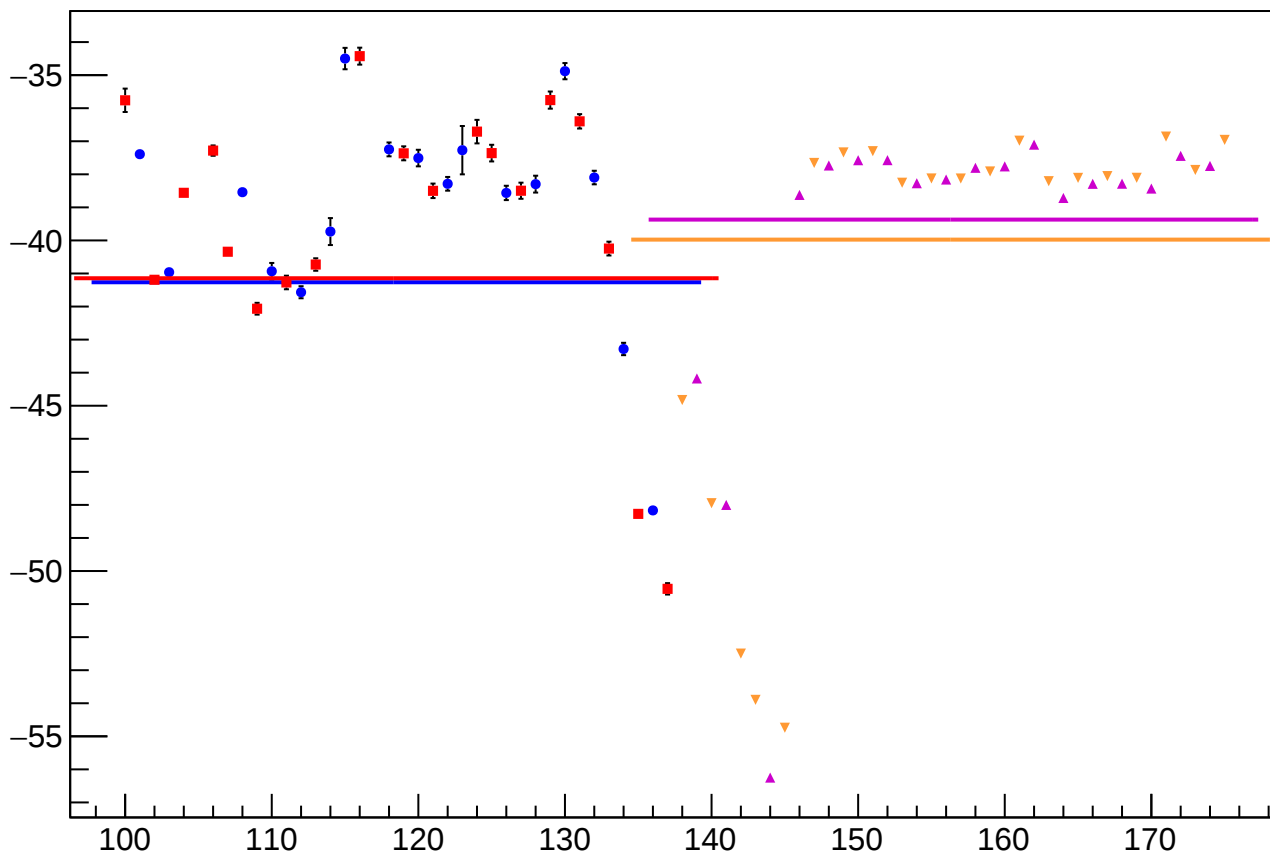
Right: 9.038 $\pm$ 0.516 χ^2 /NDF: 826.6/35

In: 14.484 $\pm$ 0.340 χ^2 /NDF: 1078.7/34

Out: 15.141 $\pm$ 0.331 χ^2 /NDF: 1540.7/38

All: 14.821 $\pm$ 0.237 χ^2 /NDF: 2621.3/73

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.265 $\pm$ 0.038 χ^2 /NDF: 12570.1/16

Left Out: -39.975 $\pm$ 0.018 χ^2 /NDF: 84589.4/19

Right Out: -41.144 $\pm$ 0.039 χ^2 /NDF: 12218.7/18

Left In: -39.370 $\pm$ 0.018 χ^2 /NDF: 50913.2/17

Left: -39.678 $\pm$ 0.013 χ^2 /NDF: 136084.5/37

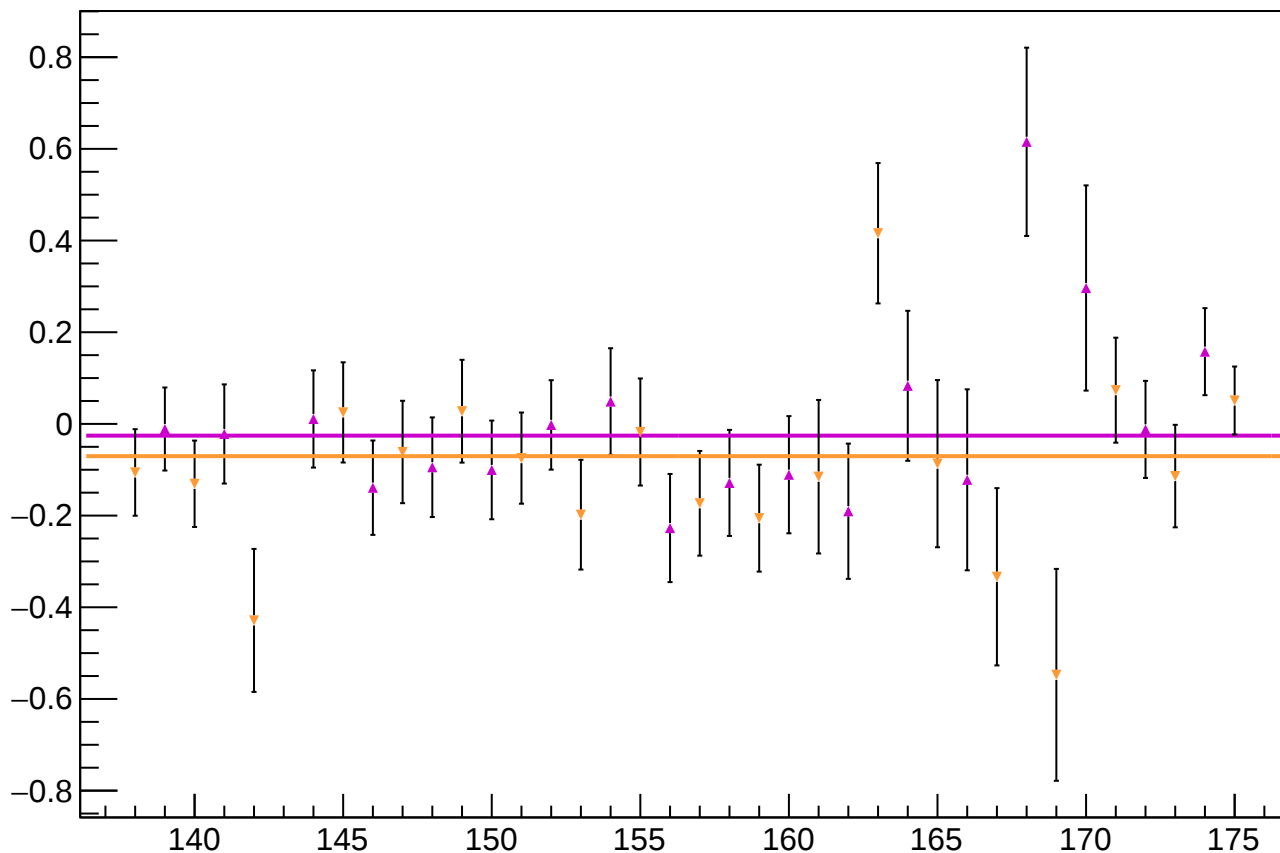
Right: -41.205 $\pm$ 0.027 χ^2 /NDF: 24793.7/35

In: -39.707 $\pm$ 0.016 χ^2 /NDF: 65476.8/34

Out: -40.176 $\pm$ 0.016 χ^2 /NDF: 97566.2/38

All: -39.945 $\pm$ 0.011 χ^2 /NDF: 163466.3/73

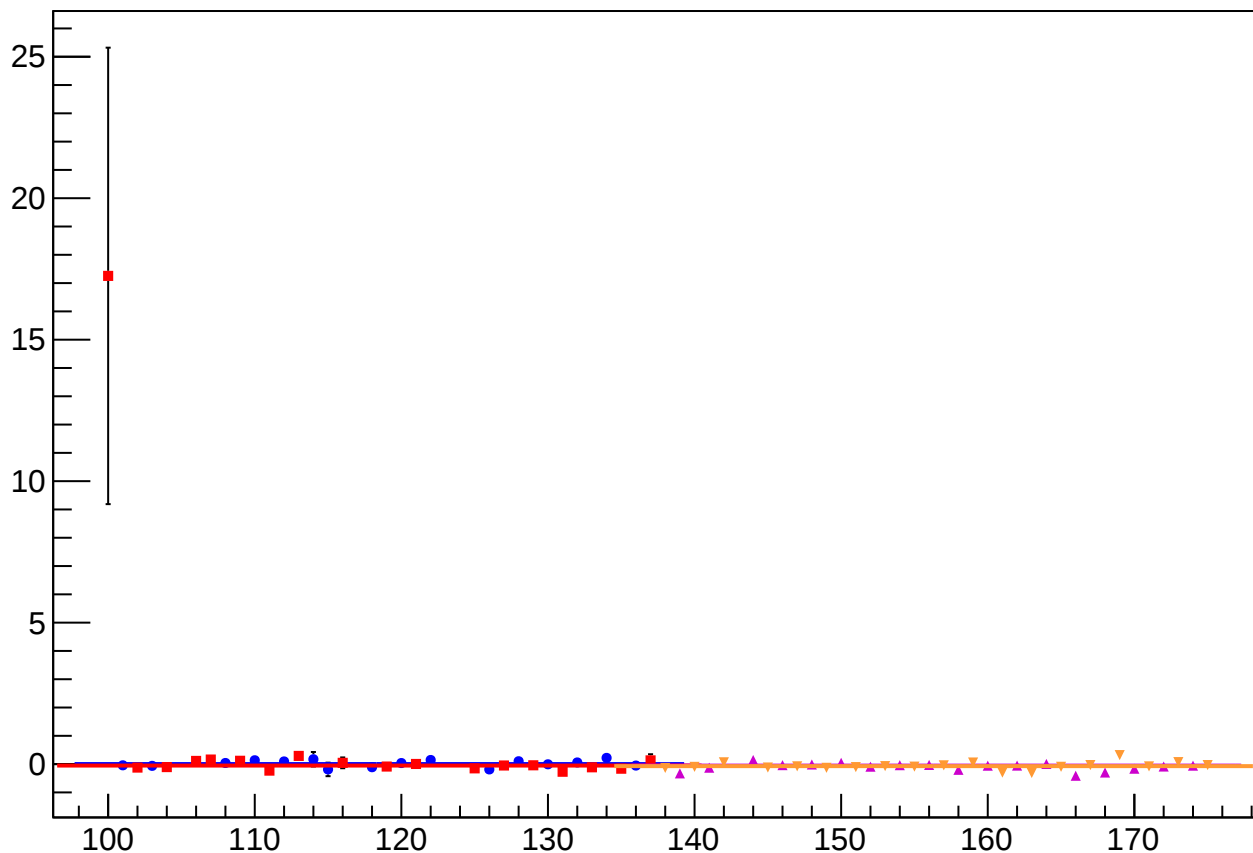
reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.070 $\pm$ 0.027 χ^2 /NDF:31.6/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.026 $\pm$ 0.028 χ^2 /NDF:24.4/17

Left: -0.049 $\pm$ 0.019 χ^2 /NDF: 57.3/36
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.026 $\pm$ 0.028 χ^2 /NDF:24.4/17
 Out: -0.070 $\pm$ 0.027 χ^2 /NDF:31.6/18
 All: -0.049 $\pm$ 0.019 χ^2 /NDF: 57.3/36

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: -0.071 ± 0.019 $\chi^2/\text{NDF}: 23.0/18$

Right Out: -0.051 ± 0.029 $\chi^2/\text{NDF}: 25.8/17$

Left In: -0.053 ± 0.020 $\chi^2/\text{NDF}: 23.5/17$

Left: -0.062 ± 0.014 $\chi^2/\text{NDF}: 47.0/36$

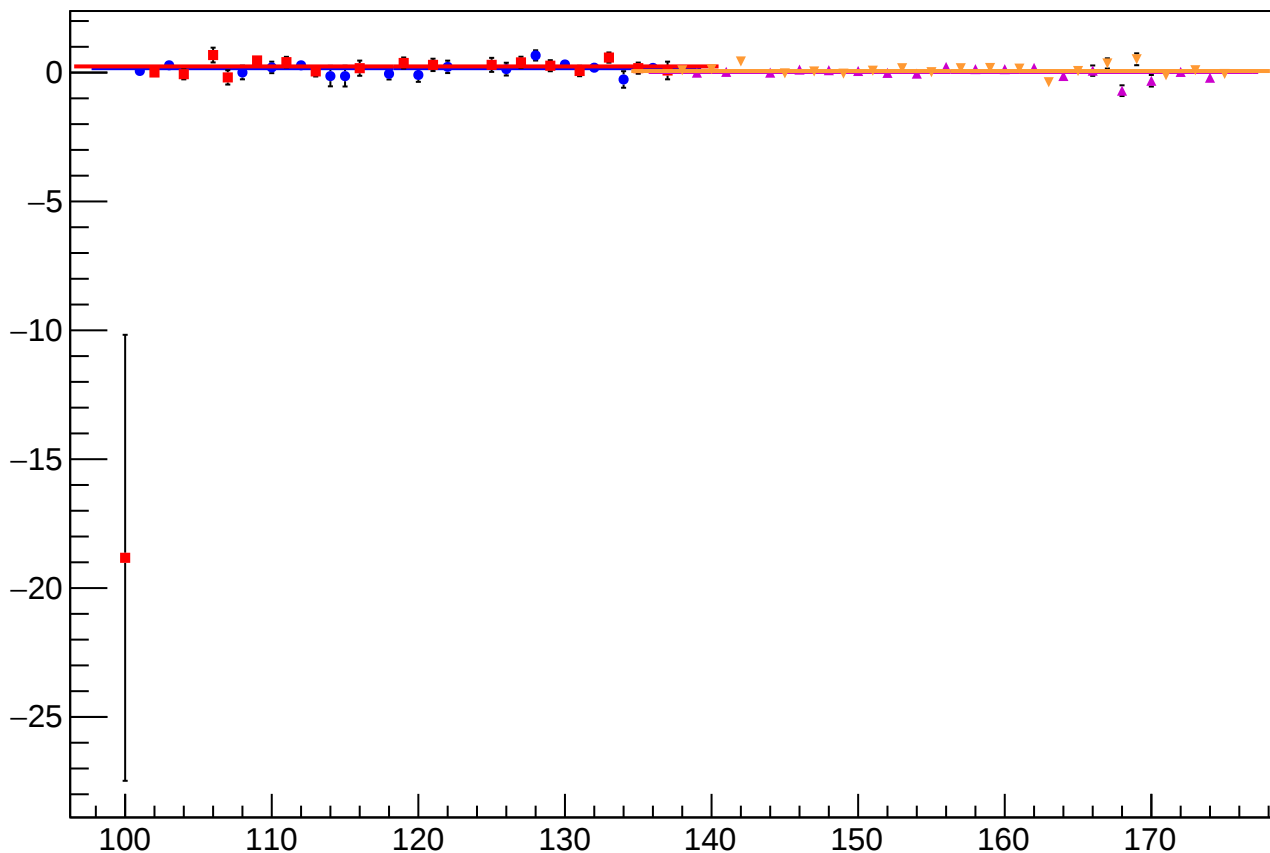
Right: -0.024 ± 0.020 $\chi^2/\text{NDF}: 40.0/33$

In: -0.034 ± 0.016 $\chi^2/\text{NDF}: 38.5/33$

Out: -0.065 ± 0.016 $\chi^2/\text{NDF}: 49.1/36$

All: -0.050 ± 0.012 $\chi^2/\text{NDF}: 89.4/70$

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.171+/-0.052 χ^2/NDF : 13.7/15

Left Out: 0.060+/-0.026 χ^2/NDF :30.1/18

Right Out: 0.239+/-0.054 χ^2/NDF : 21.8/17

Left In: 0.022+/-0.027 χ^2/NDF :28.7/17

Left: 0.042+/-0.019 χ^2/NDF : 59.7/36

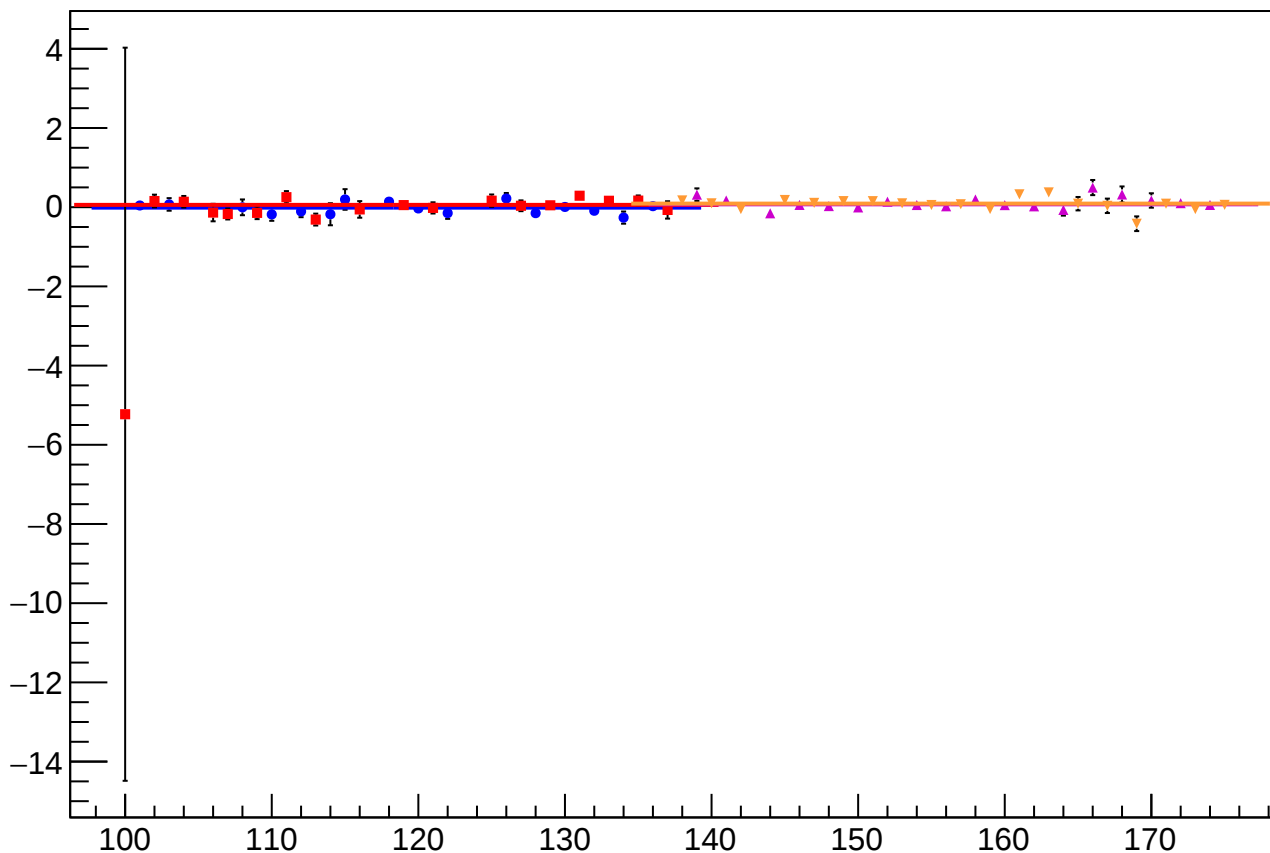
Right: 0.204+/-0.038 χ^2/NDF : 36.3/33

In: 0.054+/-0.024 χ^2/NDF :48.6/33

Out: 0.095+/-0.024 χ^2/NDF :60.7/36

All: 0.075+/-0.017 χ^2/NDF : 110.8/70

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.011 $\pm$ 0.033 χ^2 /NDF: 13.8/15

Left Out: 0.090 $\pm$ 0.023 χ^2 /NDF:25.4/18

Right Out: 0.059 $\pm$ 0.034 χ^2 /NDF: 20.6/17

Left In: 0.072 $\pm$ 0.023 χ^2 /NDF:22.1/17

Left: 0.082 $\pm$ 0.016 χ^2 /NDF: 47.9/36

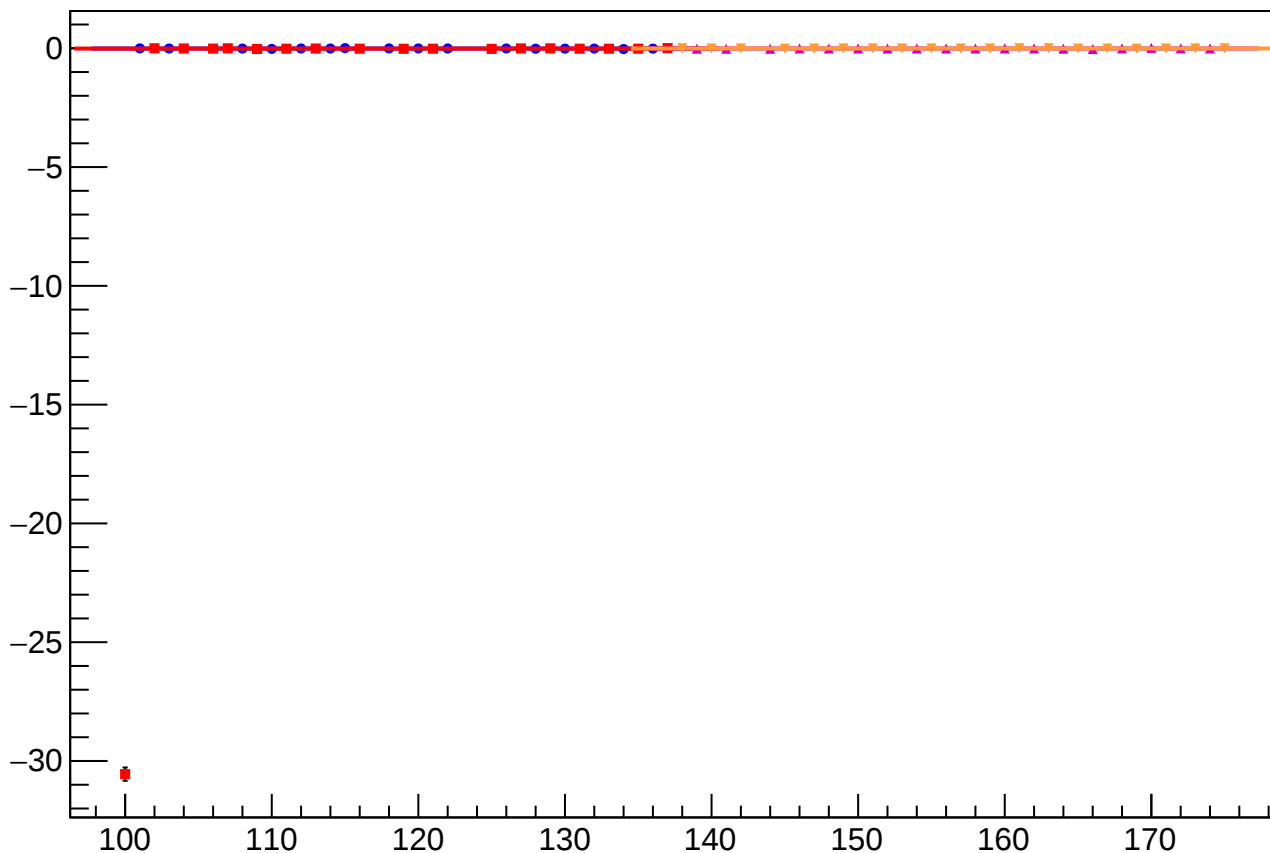
Right: 0.022 $\pm$ 0.023 χ^2 /NDF: 36.5/33

In: 0.044 $\pm$ 0.019 χ^2 /NDF:40.2/33

Out: 0.081 $\pm$ 0.019 χ^2 /NDF:46.6/36

All: 0.062 $\pm$ 0.013 χ^2 /NDF: 88.7/70

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 $\pm$ 0.002 χ^2 /NDF: 12.9/15

Left Out: -0.008 $\pm$ 0.001 χ^2 /NDF:15.2/18

Right Out: -0.012 $\pm$ 0.002 χ^2 /NDF: 11891.5/17

Left In: -0.010 $\pm$ 0.001 χ^2 /NDF:31.4/17

Left: -0.009 $\pm$ 0.001 χ^2 /NDF: 47.9/36

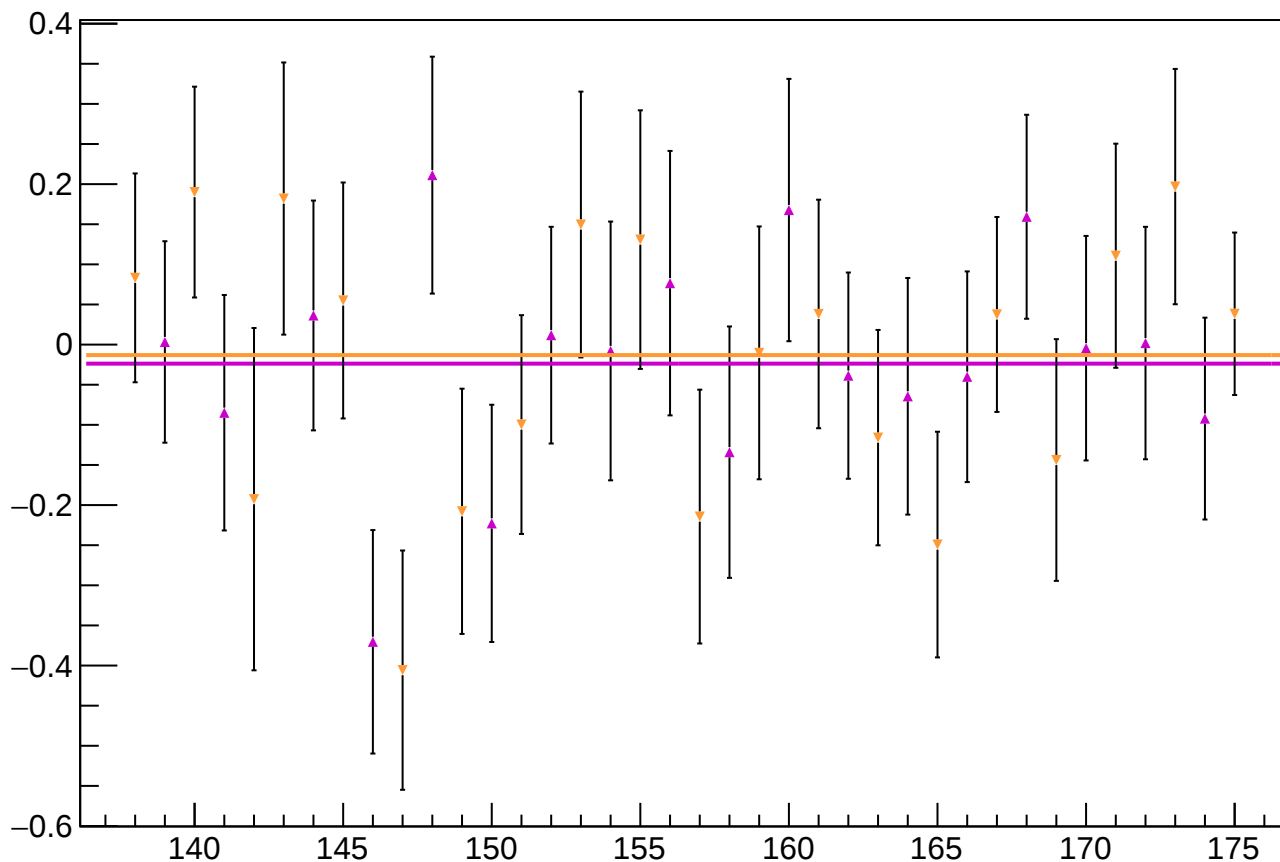
Right: -0.012 $\pm$ 0.001 χ^2 /NDF: 11904.4/33

In: -0.010 $\pm$ 0.001 χ^2 /NDF:45.3/33

Out: -0.009 $\pm$ 0.001 χ^2 /NDF:11910.5/36

All: -0.010 $\pm$ 0.001 χ^2 /NDF: 11956.7/70

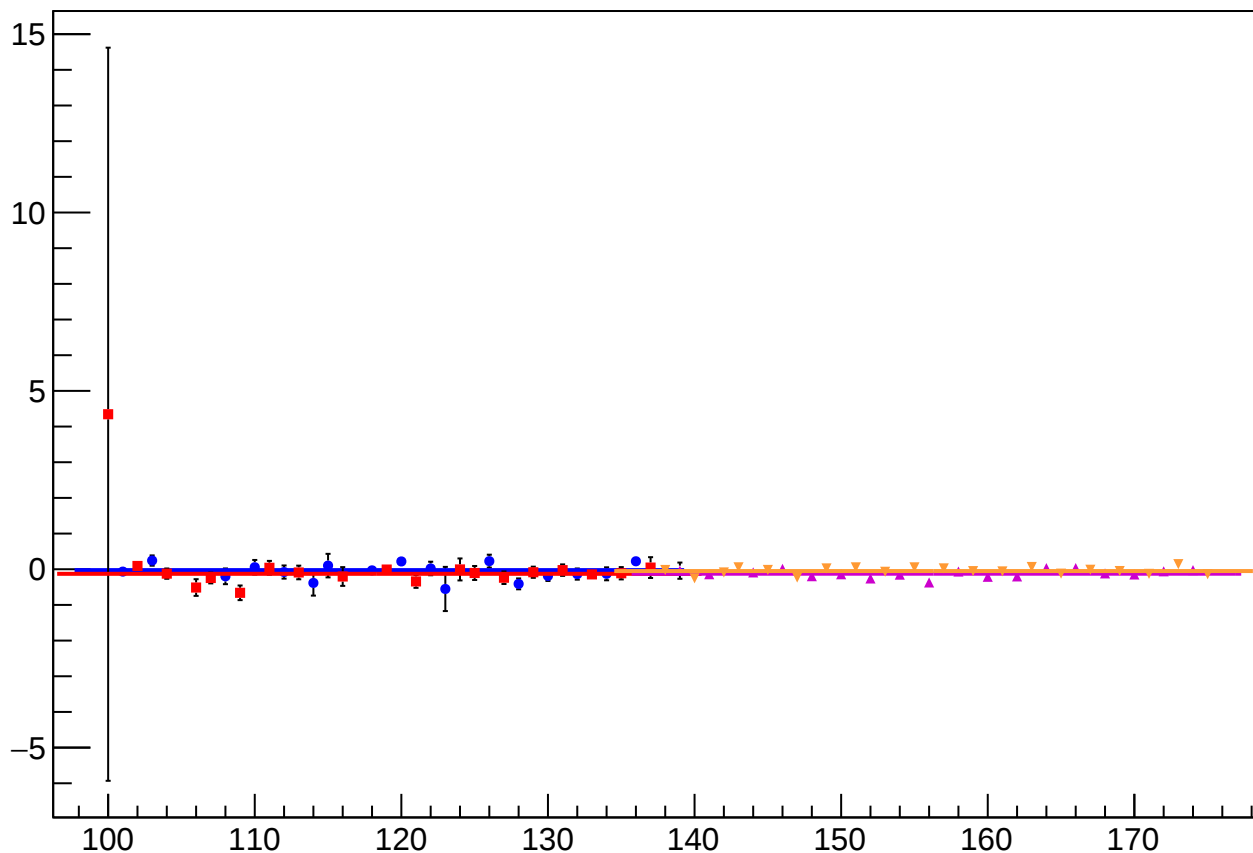
reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.013 $\pm$ 0.032 χ^2 /NDF:25.1/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.024 $\pm$ 0.033 χ^2 /NDF:15.8/17

Left: -0.018 $\pm$ 0.023 χ^2 /NDF: 40.9/37
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.024 $\pm$ 0.033 χ^2 /NDF:15.8/17
 Out: -0.013 $\pm$ 0.032 χ^2 /NDF:25.1/19
 All: -0.018 $\pm$ 0.023 χ^2 /NDF: 40.9/37

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.024±/0.037 χ^2/NDF : 23.4/16

Left Out: -0.051±/0.023 χ^2/NDF : 20.8/19

Right Out: -0.128±/0.039 χ^2/NDF : 17.6/18

Left In: -0.125±/0.025 χ^2/NDF : 16.6/17

Left: -0.086±/0.017 χ^2/NDF : 42.1/37

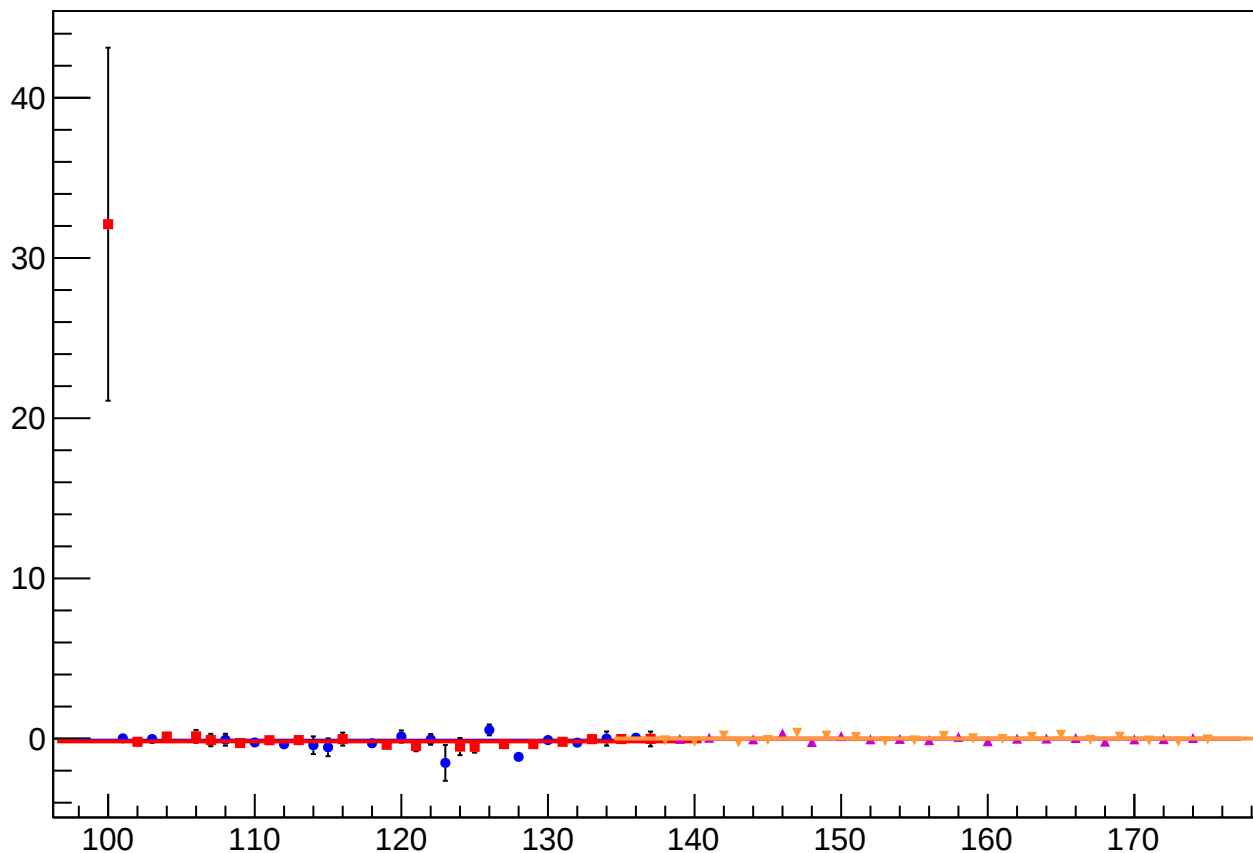
Right: -0.072±/0.027 χ^2/NDF : 44.7/35

In: -0.093±/0.020 χ^2/NDF : 45.1/34

Out: -0.071±/0.020 χ^2/NDF : 41.2/38

All: -0.082±/0.014 χ^2/NDF : 87.0/73

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.129 ± 0.067 $\chi^2/\text{NDF}: 23.7/16$

Left Out: 0.004 ± 0.032 $\chi^2/\text{NDF}: 24.7/19$

Right Out: -0.172 ± 0.071 $\chi^2/\text{NDF}: 15.0/18$

Left In: -0.004 ± 0.033 $\chi^2/\text{NDF}: 14.3/17$

Left: 0.000 ± 0.023 $\chi^2/\text{NDF}: 39.0/37$

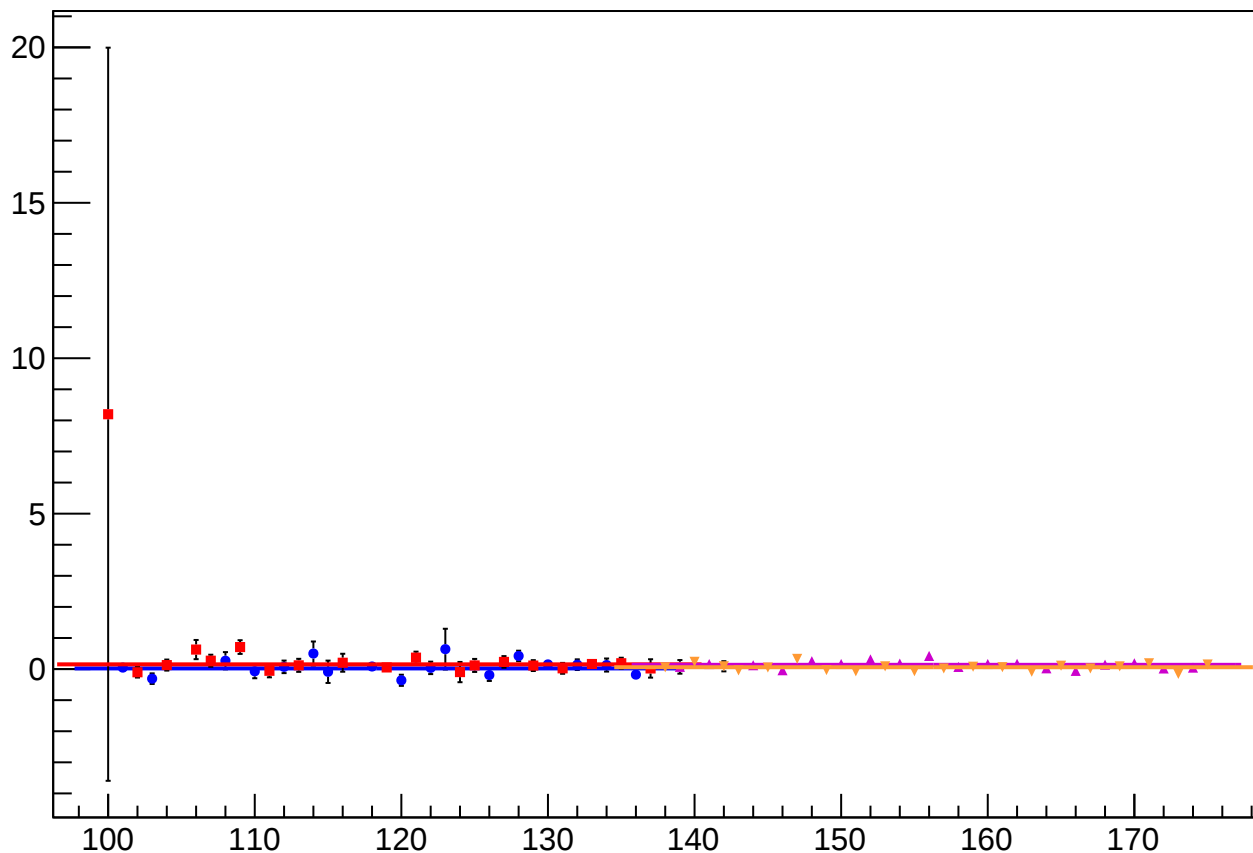
Right: -0.149 ± 0.049 $\chi^2/\text{NDF}: 39.0/35$

In: -0.028 ± 0.030 $\chi^2/\text{NDF}: 40.9/34$

Out: -0.025 ± 0.029 $\chi^2/\text{NDF}: 44.8/38$

All: -0.027 ± 0.021 $\chi^2/\text{NDF}: 85.7/73$

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.021+/-0.042 χ^2/NDF : 22.5/16

Left Out: 0.059+/-0.027 χ^2/NDF :20.5/19

Right Out: 0.152+/-0.045 χ^2/NDF : 16.2/18

Left In: 0.137+/-0.028 χ^2/NDF :16.6/17

Left: 0.096+/-0.020 χ^2/NDF : 41.0/37

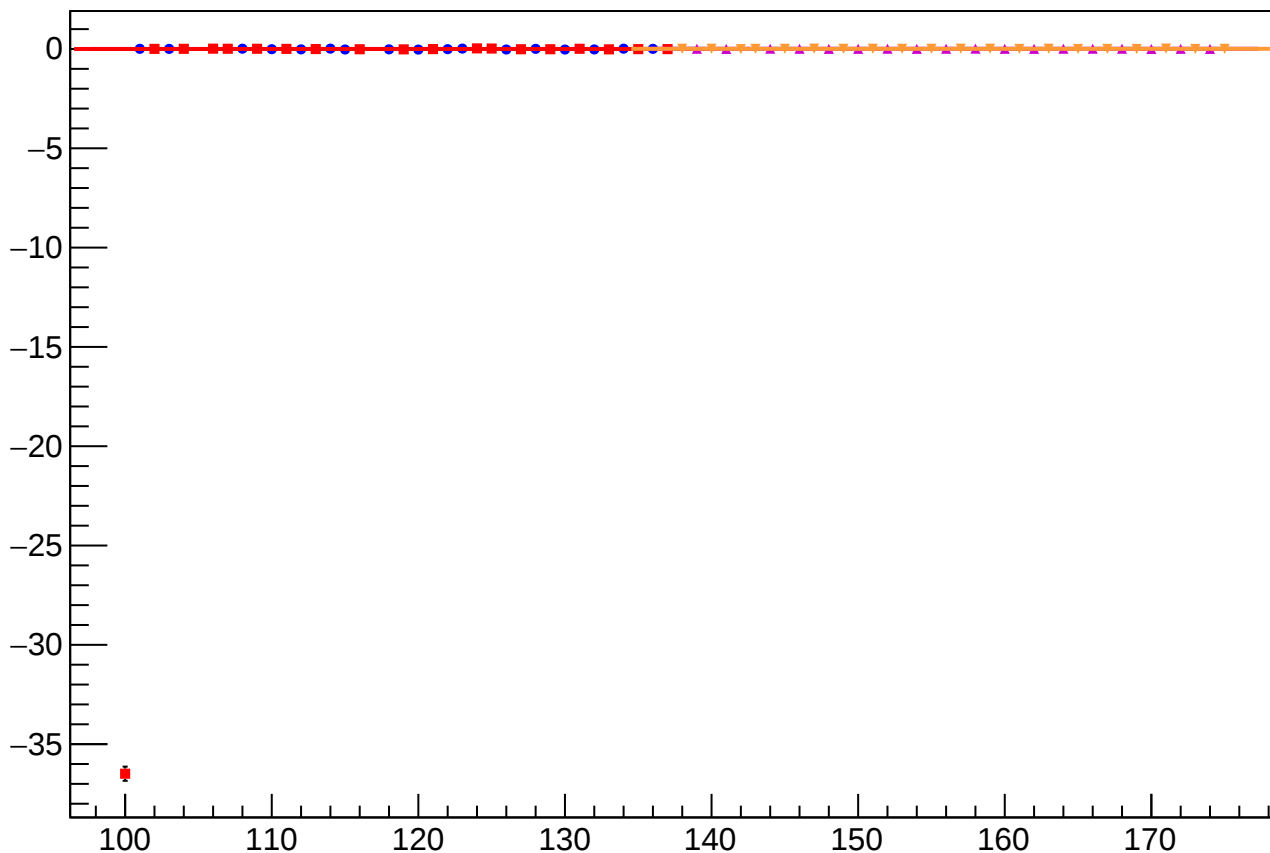
Right: 0.082+/-0.031 χ^2/NDF : 43.2/35

In: 0.101+/-0.024 χ^2/NDF :44.3/34

Out: 0.084+/-0.023 χ^2/NDF :39.8/38

All: 0.092+/-0.017 χ^2/NDF : 84.4/73

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 : 18.7/19

Right Out: 0.001 $\pm$ 0.002 χ^2/NDF : 10449.1/18

Left In: 0.010 $\pm$ 0.001 χ^2/NDF : 11.4/17

Left: 0.010 $\pm$ 0.001 χ^2/NDF : 30.3/37

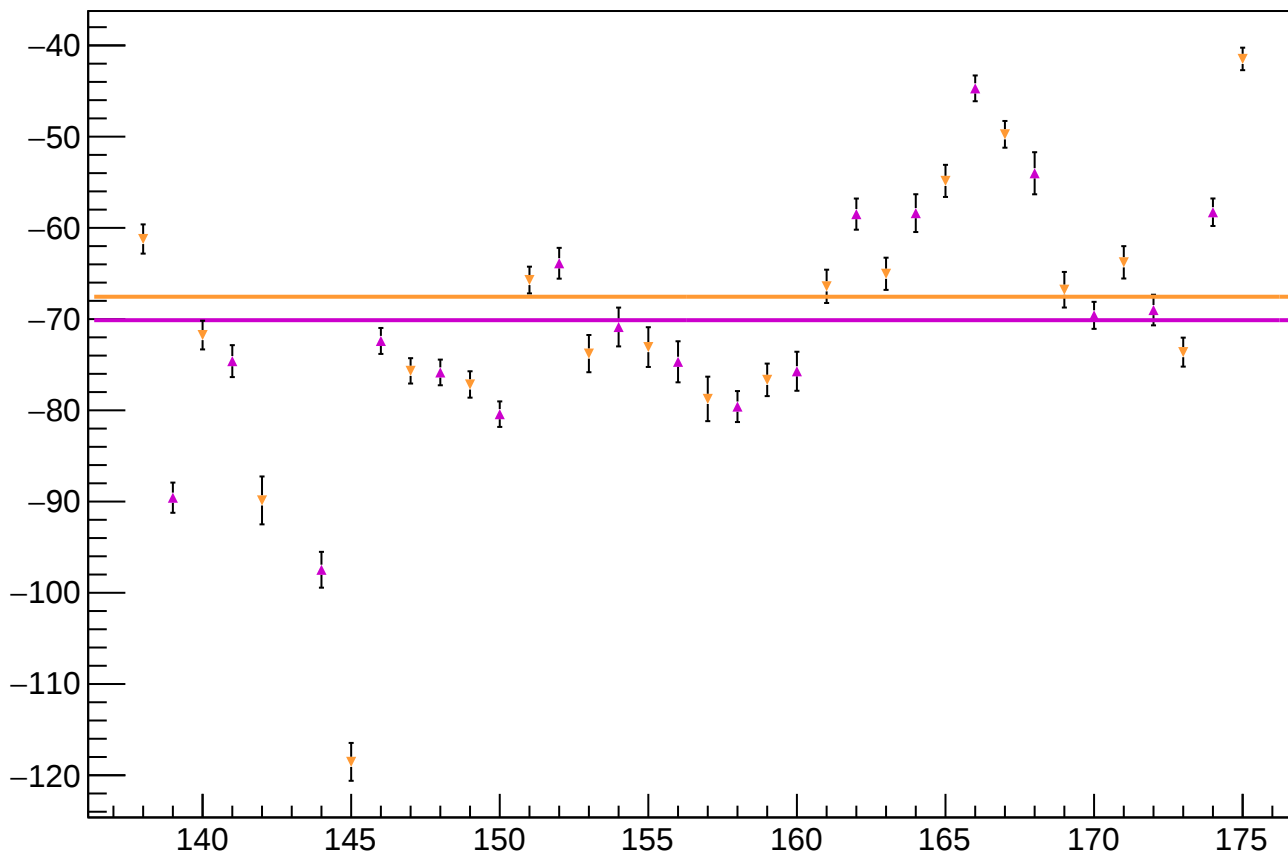
Right: 0.001 $\pm$ 0.002 χ^2/NDF : 10481.5/35

In: 0.008 $\pm$ 0.001 χ^2/NDF : 56.0/34

Out: 0.007 $\pm$ 0.001 χ^2/NDF : 10478.4/38

All: 0.008 $\pm$ 0.001 χ^2/NDF : 10534.5/73

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: -67.547 ± 0.389 χ^2/NDF : 1509.5/18

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -70.119 ± 0.398 χ^2/NDF : 981.1/17

Left: -68.803 ± 0.278 χ^2/NDF : 2512.0/36

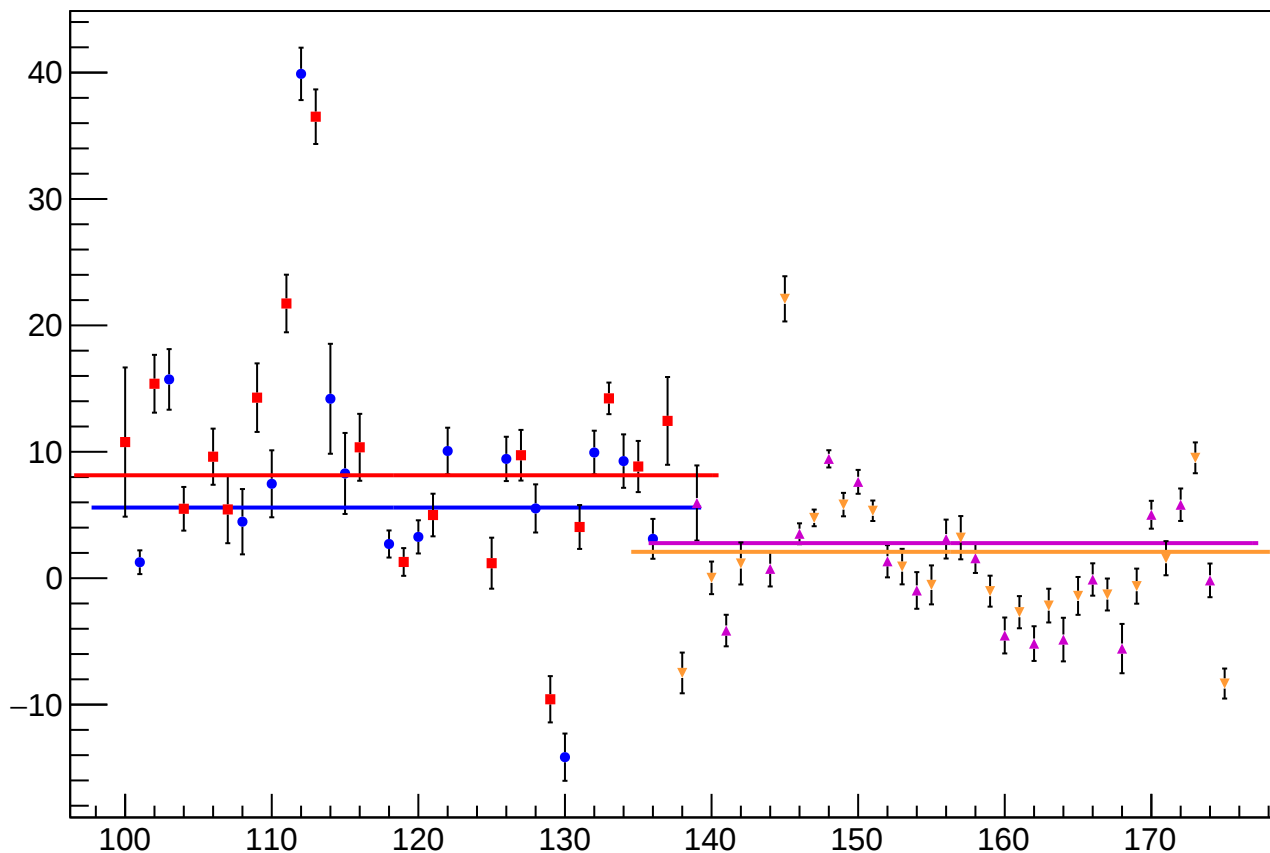
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -70.119 ± 0.398 χ^2/NDF : 981.1/17

Out: -67.547 ± 0.389 χ^2/NDF : 1509.5/18

All: -68.803 ± 0.278 χ^2/NDF : 2512.0/36

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.589 ± 0.424 χ^2/NDF : 462.8/15

Left Out: 2.085 ± 0.274 χ^2/NDF : 377.8/18

Right Out: 8.142 ± 0.454 χ^2/NDF : 407.7/17

Left In: 2.775 ± 0.283 χ^2/NDF : 283.2/17

Left: 2.419 ± 0.197 χ^2/NDF : 664.1/36

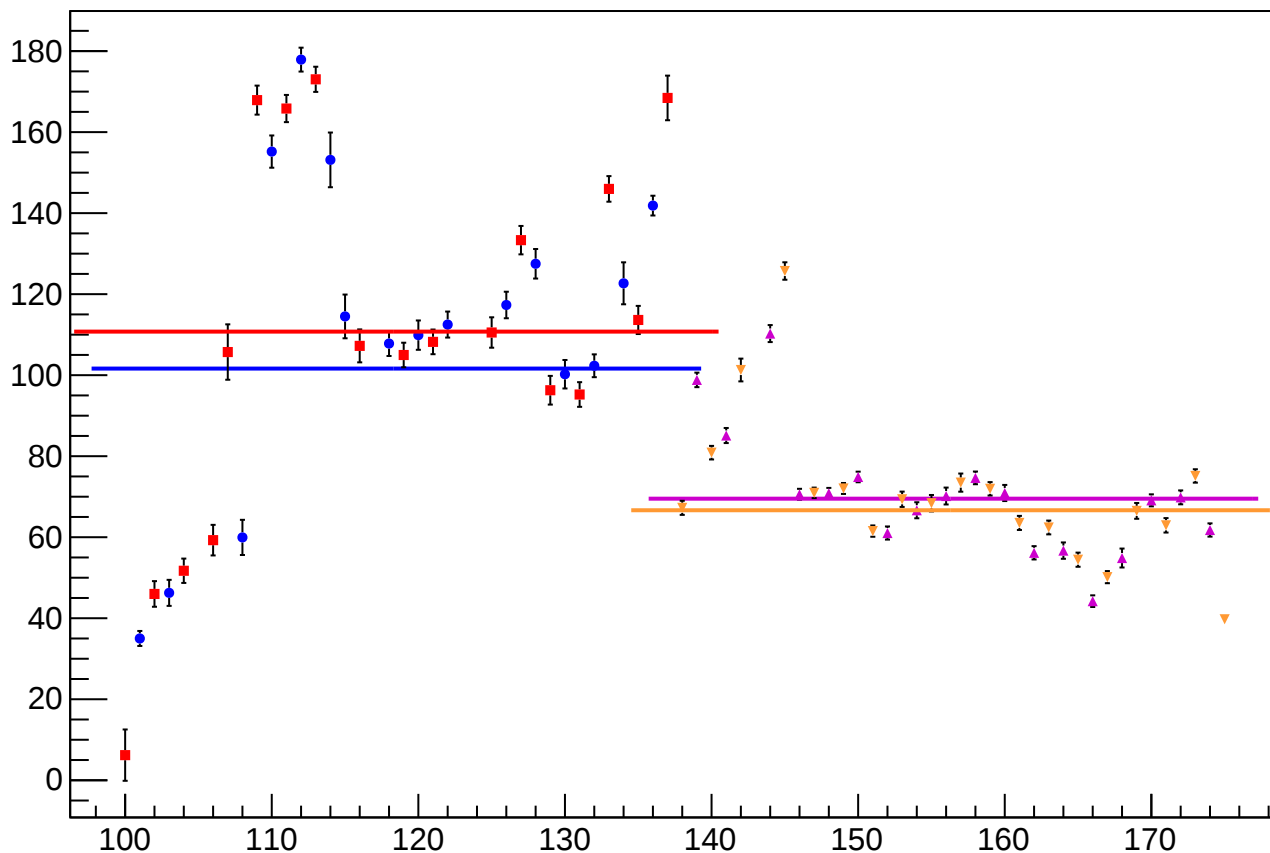
Right: 6.778 ± 0.310 χ^2/NDF : 887.4/33

In: 3.644 ± 0.235 χ^2/NDF : 776.5/33

Out: 3.707 ± 0.235 χ^2/NDF : 916.0/36

All: 3.676 ± 0.166 χ^2/NDF : 1692.6/70

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: 66.656 $\pm$ 0.383 χ^2 /NDF:1725.8/18

Right Out: 110.756 $\pm$ 0.836 χ^2 /NDF: 2513.0/17

Left In: 69.513 $\pm$ 0.392 χ^2 /NDF:1251.3/17

Left: 68.051 $\pm$ 0.274 χ^2 /NDF: 3004.3/36

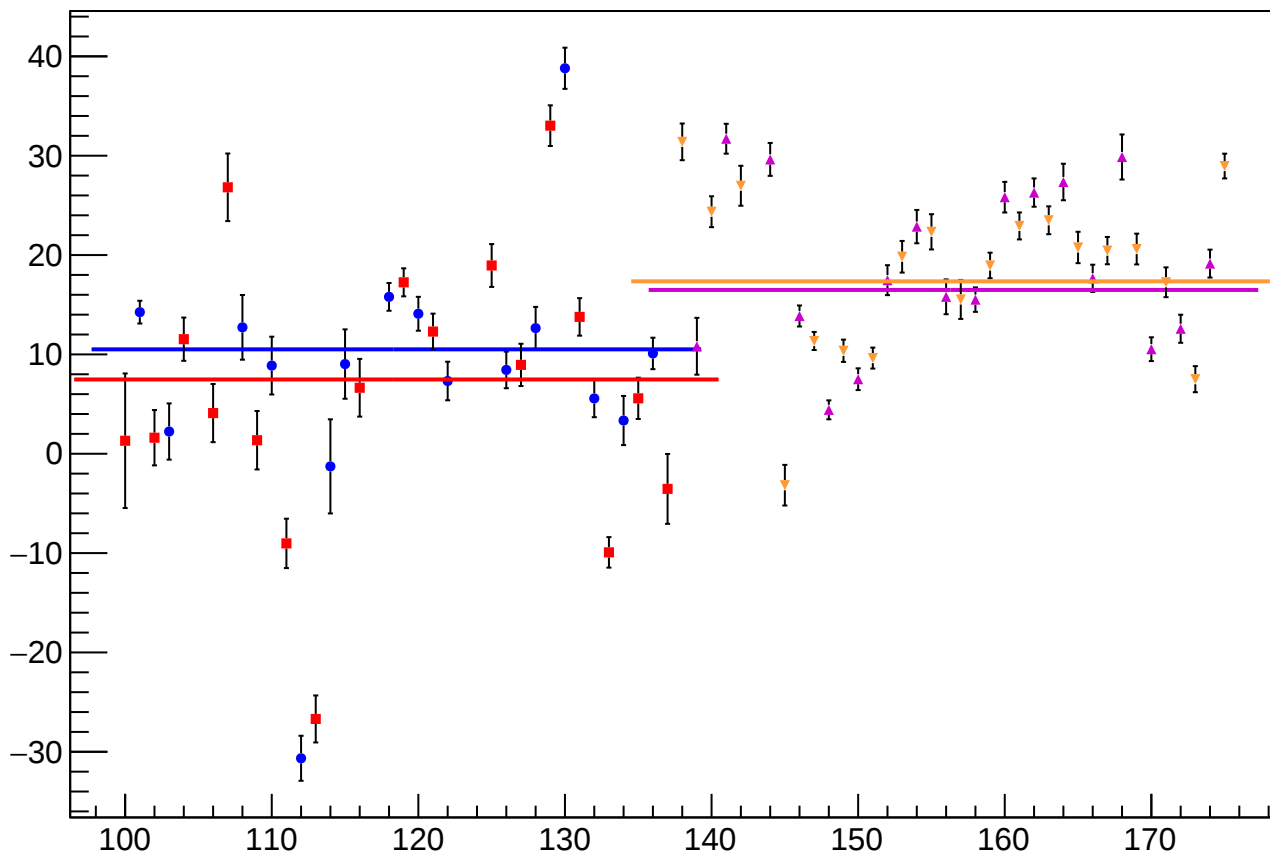
Right: 106.031 $\pm$ 0.581 χ^2 /NDF: 5553.5/33

In: 75.647 $\pm$ 0.353 χ^2 /NDF:5511.8/33

Out: 74.305 $\pm$ 0.348 χ^2 /NDF:6537.7/36

All: 74.968 $\pm$ 0.248 χ^2 /NDF: 12056.8/70

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: 17.354 $\pm$ 0.320 χ^2 /NDF: 543.7/18

Right Out: 7.477 $\pm$ 0.524 χ^2 /NDF: 689.3/17

Left In: 16.487 $\pm$ 0.330 χ^2 /NDF: 609.1/17

Left: 16.934 $\pm$ 0.230 χ^2 /NDF: 1156.4/36

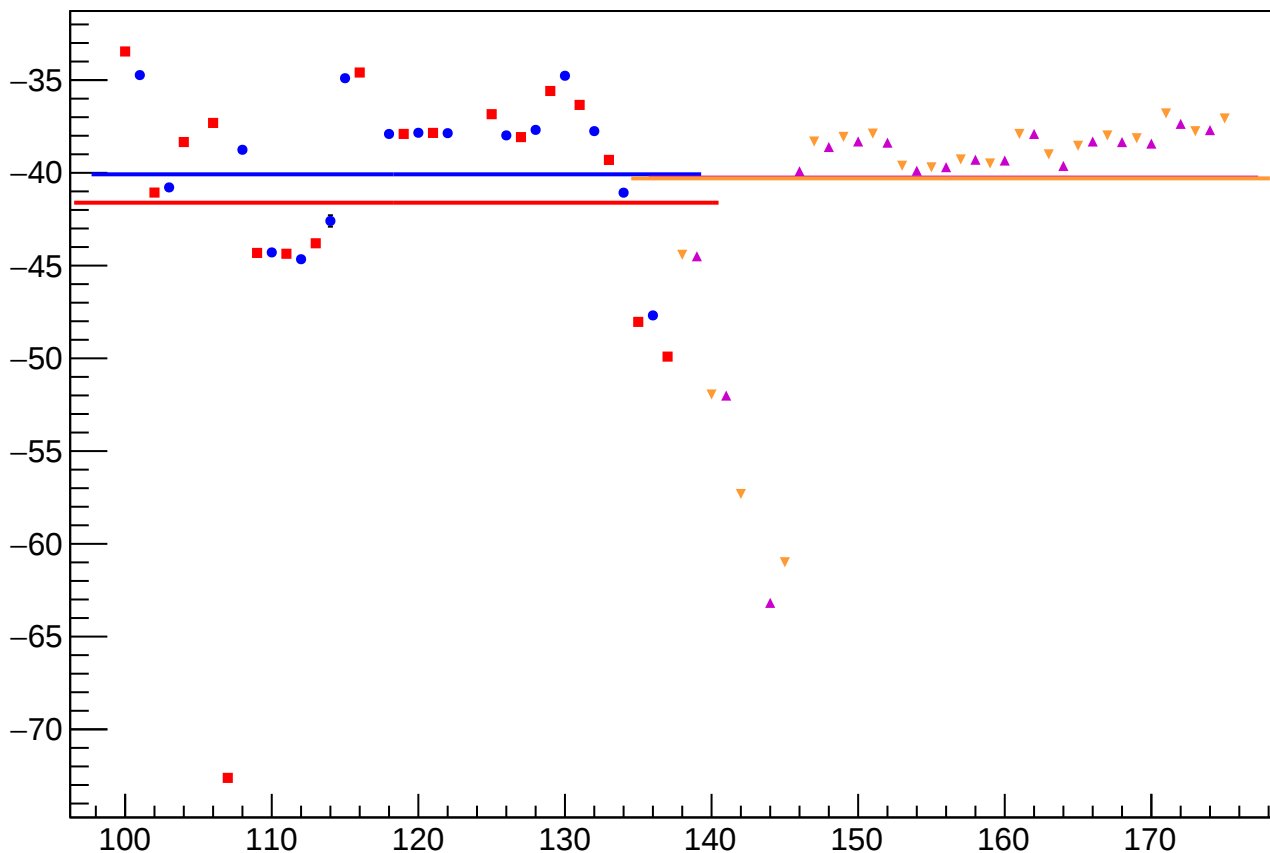
Right: 9.088 $\pm$ 0.359 χ^2 /NDF: 1288.6/33

In: 14.632 $\pm$ 0.274 χ^2 /NDF: 1292.5/33

Out: 14.666 $\pm$ 0.273 χ^2 /NDF: 1491.6/36

All: 14.649 $\pm$ 0.194 χ^2 /NDF: 2784.1/70

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.080 ± 0.028 χ^2/NDF : 25123.9/15

Left Out: -40.299 ± 0.015 χ^2/NDF : 127409.0/18

Right Out: -41.609 ± 0.029 χ^2/NDF : 61784.6/17

Left In: -40.257 ± 0.015 χ^2/NDF : 102350.8/17

Left: -40.278 ± 0.011 χ^2/NDF : 229763.4/36

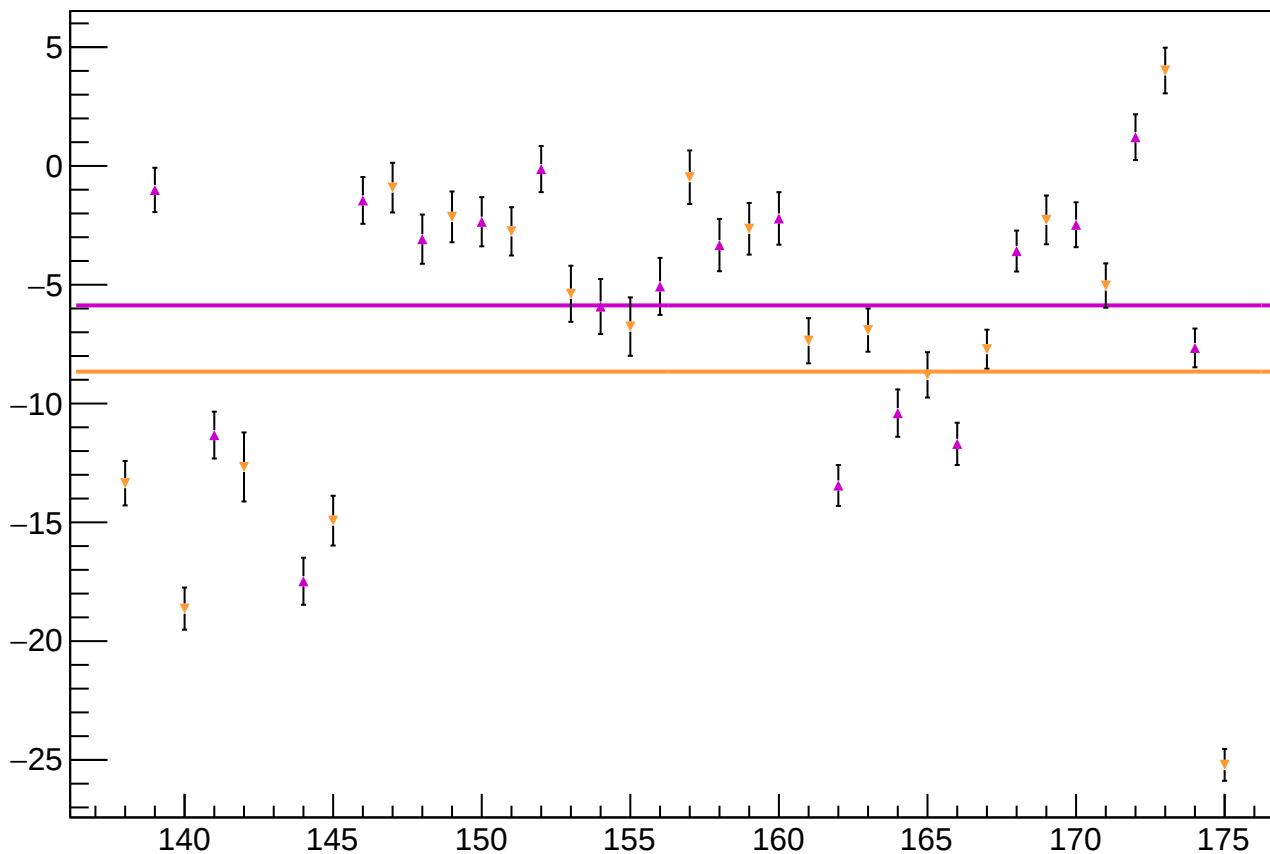
Right: -40.834 ± 0.020 χ^2/NDF : 88360.5/33

In: -40.217 ± 0.013 χ^2/NDF : 127505.4/33

Out: -40.593 ± 0.014 χ^2/NDF : 190826.2/36

All: -40.404 ± 0.010 χ^2/NDF : 318718.2/70

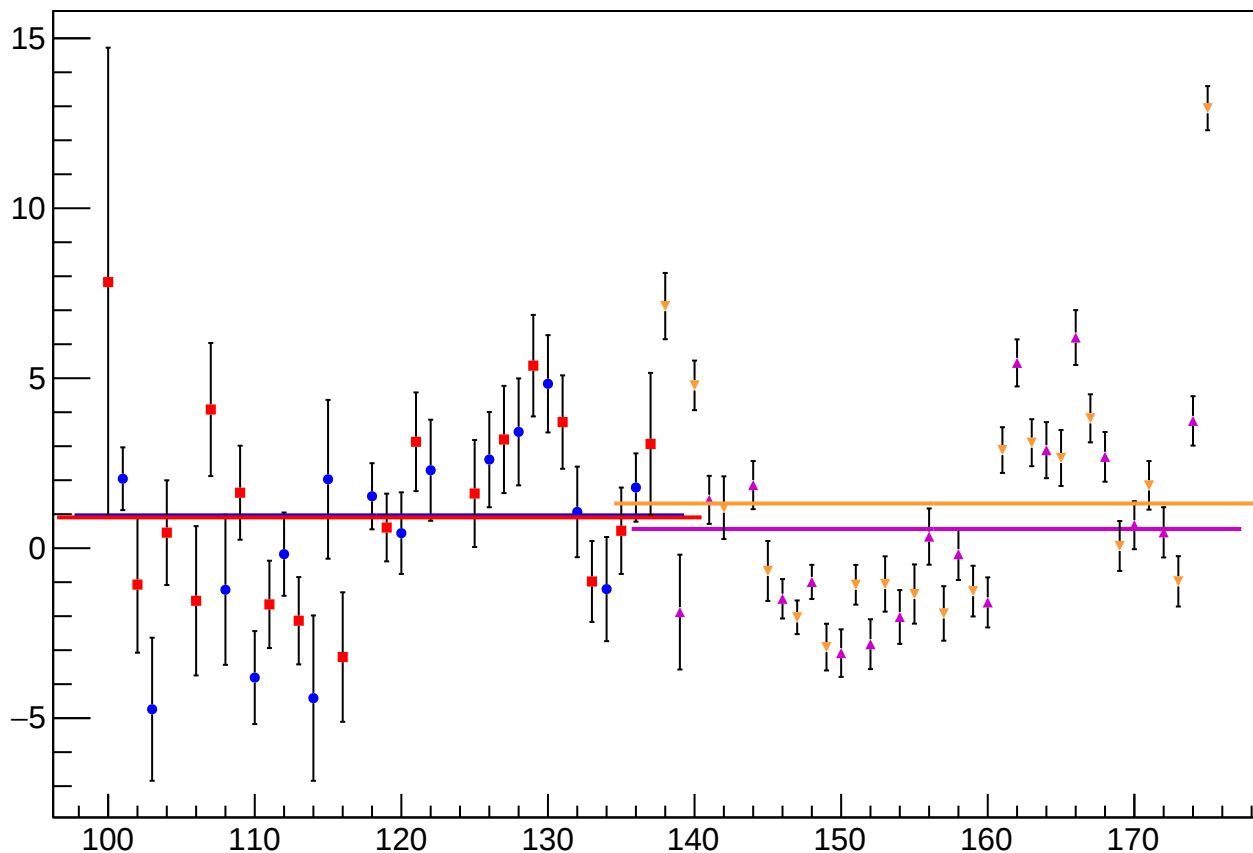
reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -8.656 $\pm$ 0.224 χ^2 /NDF:1257.6/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -5.870 $\pm$ 0.230 χ^2 /NDF:505.8/17

Left: -7.297 $\pm$ 0.161 χ^2 /NDF: 1838.6/36
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -5.870 $\pm$ 0.230 χ^2 /NDF:505.8/17
 Out: -8.656 $\pm$ 0.224 χ^2 /NDF:1257.6/18
 All: -7.297 $\pm$ 0.161 χ^2 /NDF: 1838.6/36

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: 1.315 ± 0.166 χ^2/NDF : 570.9/18

Right Out: 0.906 ± 0.354 χ^2/NDF : 42.0/17

Left In: 0.564 ± 0.170 χ^2/NDF : 232.1/17

Left: 0.950 ± 0.119 χ^2/NDF : 813.0/36

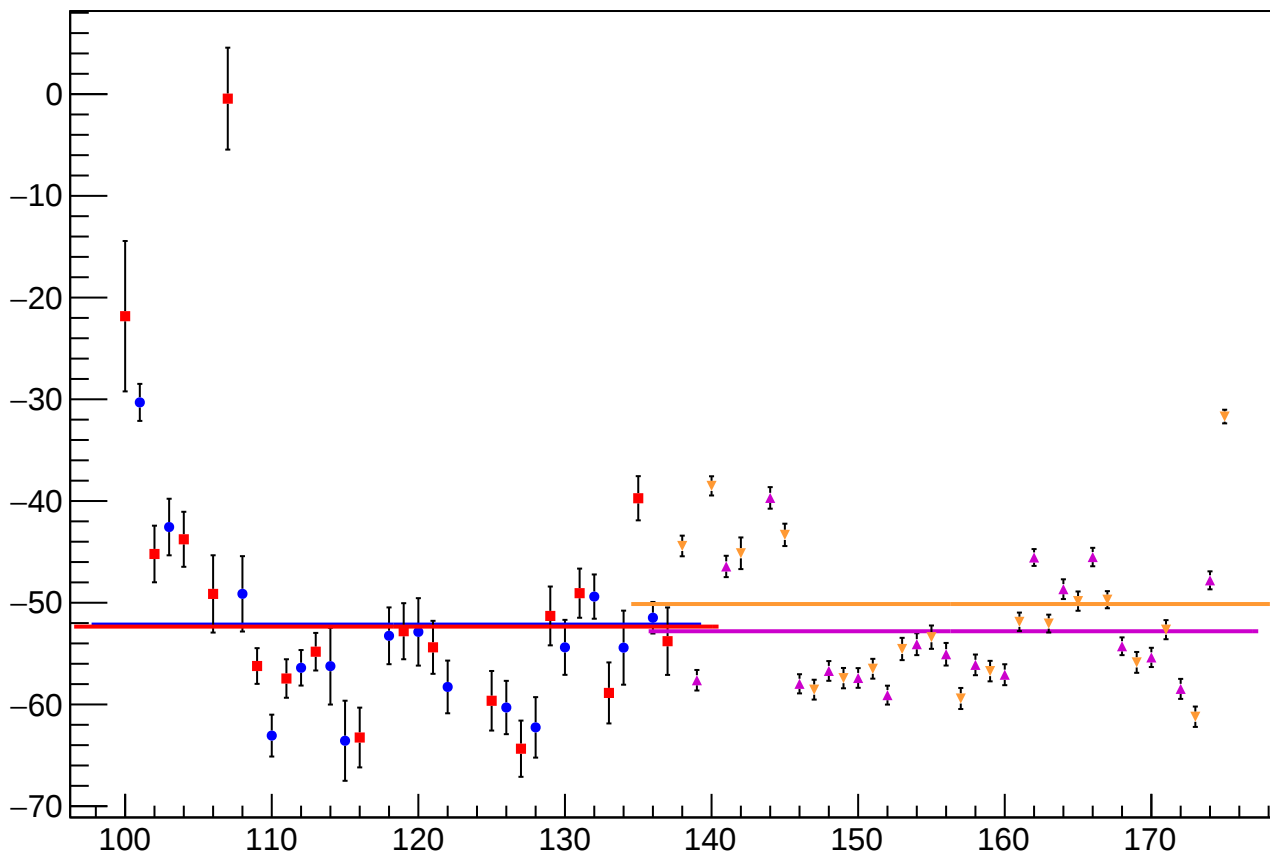
Right: 0.937 ± 0.244 χ^2/NDF : 84.9/33

In: 0.645 ± 0.152 χ^2/NDF : 276.2/33

Out: 1.241 ± 0.150 χ^2/NDF : 614.0/36

All: 0.948 ± 0.107 χ^2/NDF : 898.0/70

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.148 ± 0.612 χ^2/NDF : 230.2/15

Left Out: -50.126 ± 0.222 χ^2/NDF : 1474.6/18

Right Out: -52.346 ± 0.616 χ^2/NDF : 235.7/17

Left In: -52.803 ± 0.228 χ^2/NDF : 595.5/17

Left: -51.430 ± 0.159 χ^2/NDF : 2140.8/36

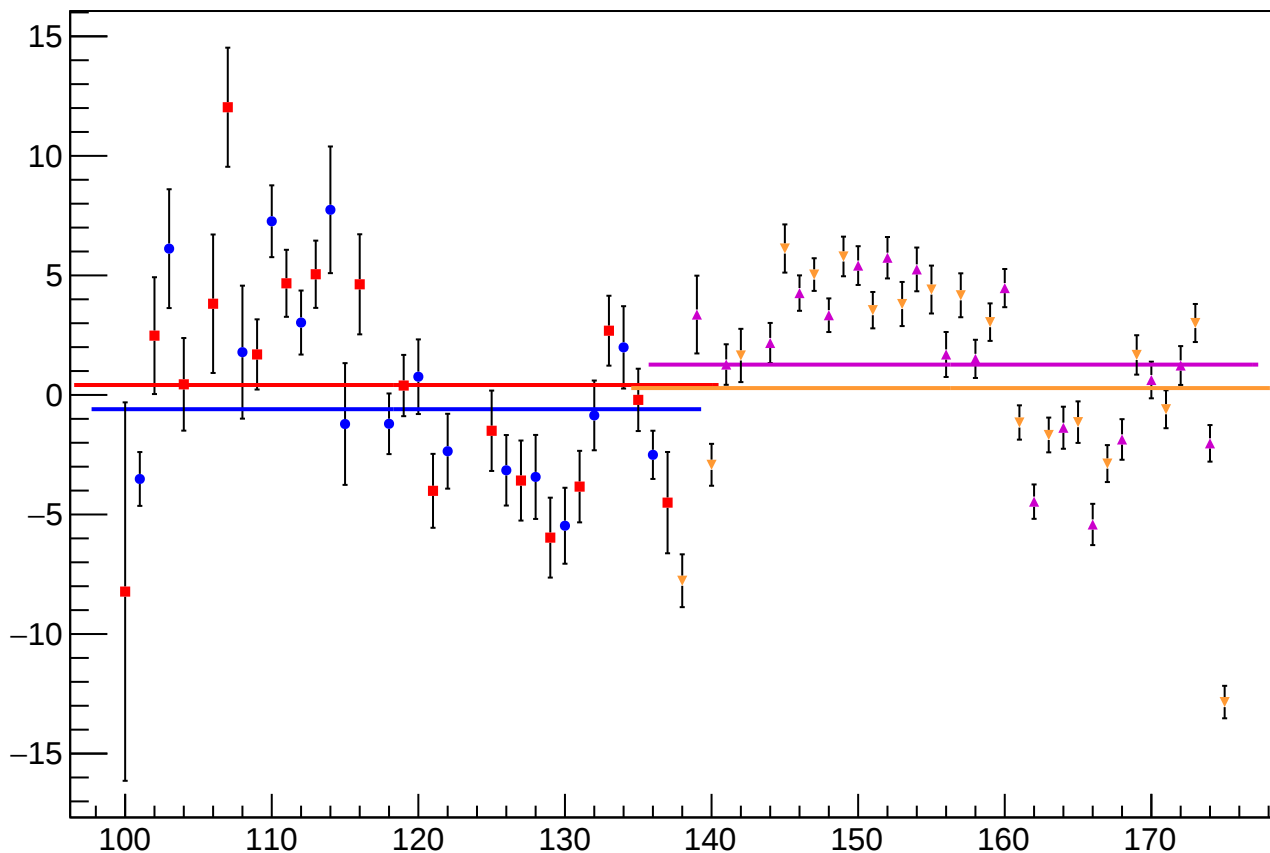
Right: -52.246 ± 0.434 χ^2/NDF : 466.0/33

In: -52.723 ± 0.214 χ^2/NDF : 826.7/33

Out: -50.382 ± 0.209 χ^2/NDF : 1721.8/36

All: -51.526 ± 0.149 χ^2/NDF : 2610.0/70

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: 0.287 ± 0.189 $\chi^2/\text{NDF}: 694.4/18$

Right Out: 0.416 ± 0.400 $\chi^2/\text{NDF}: 95.8/17$

Left In: 1.269 ± 0.195 $\chi^2/\text{NDF}: 281.2/17$

Left: 0.763 ± 0.136 $\chi^2/\text{NDF}: 988.6/36$

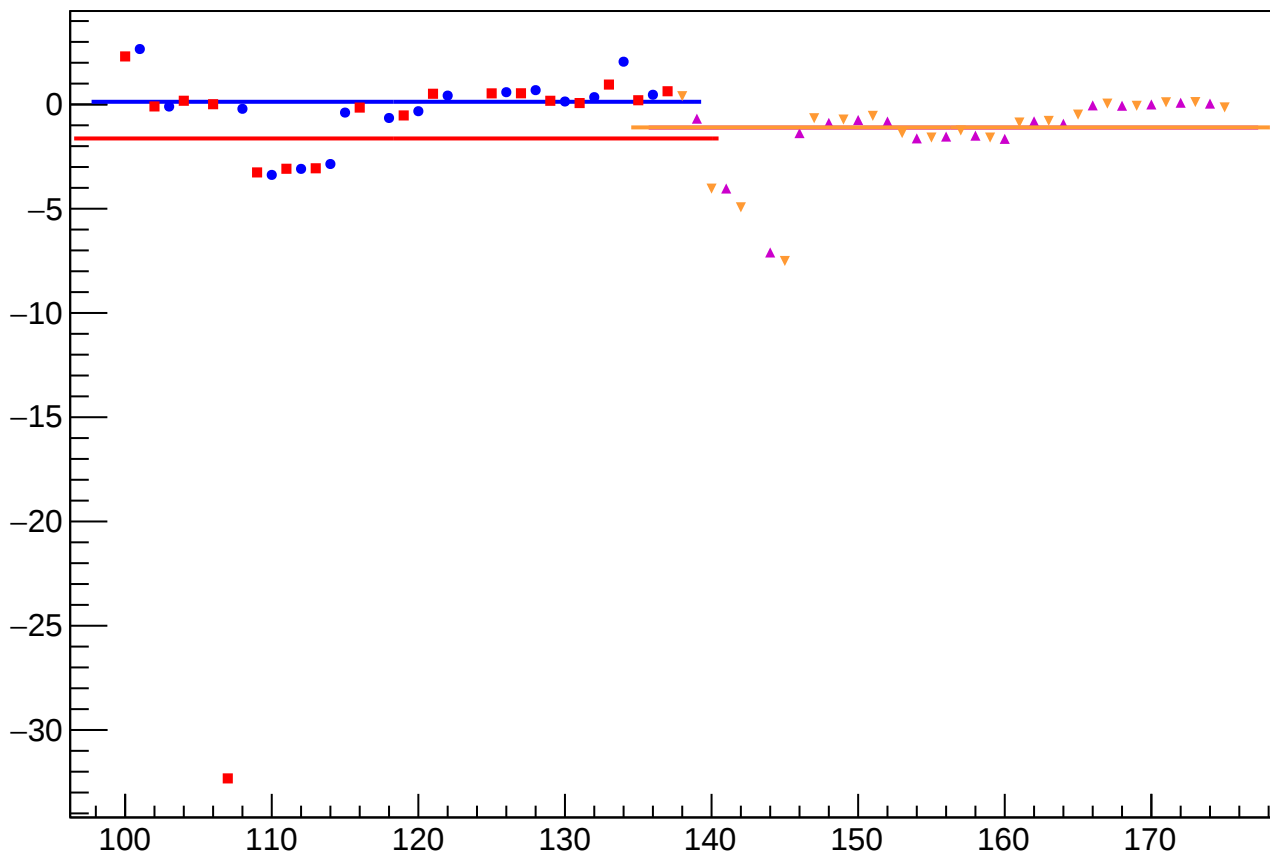
Right: -0.111 ± 0.277 $\chi^2/\text{NDF}: 181.7/33$

In: 0.885 ± 0.174 $\chi^2/\text{NDF}: 382.5/33$

Out: 0.311 ± 0.171 $\chi^2/\text{NDF}: 790.2/36$

All: 0.593 ± 0.122 $\chi^2/\text{NDF}: 1178.3/70$

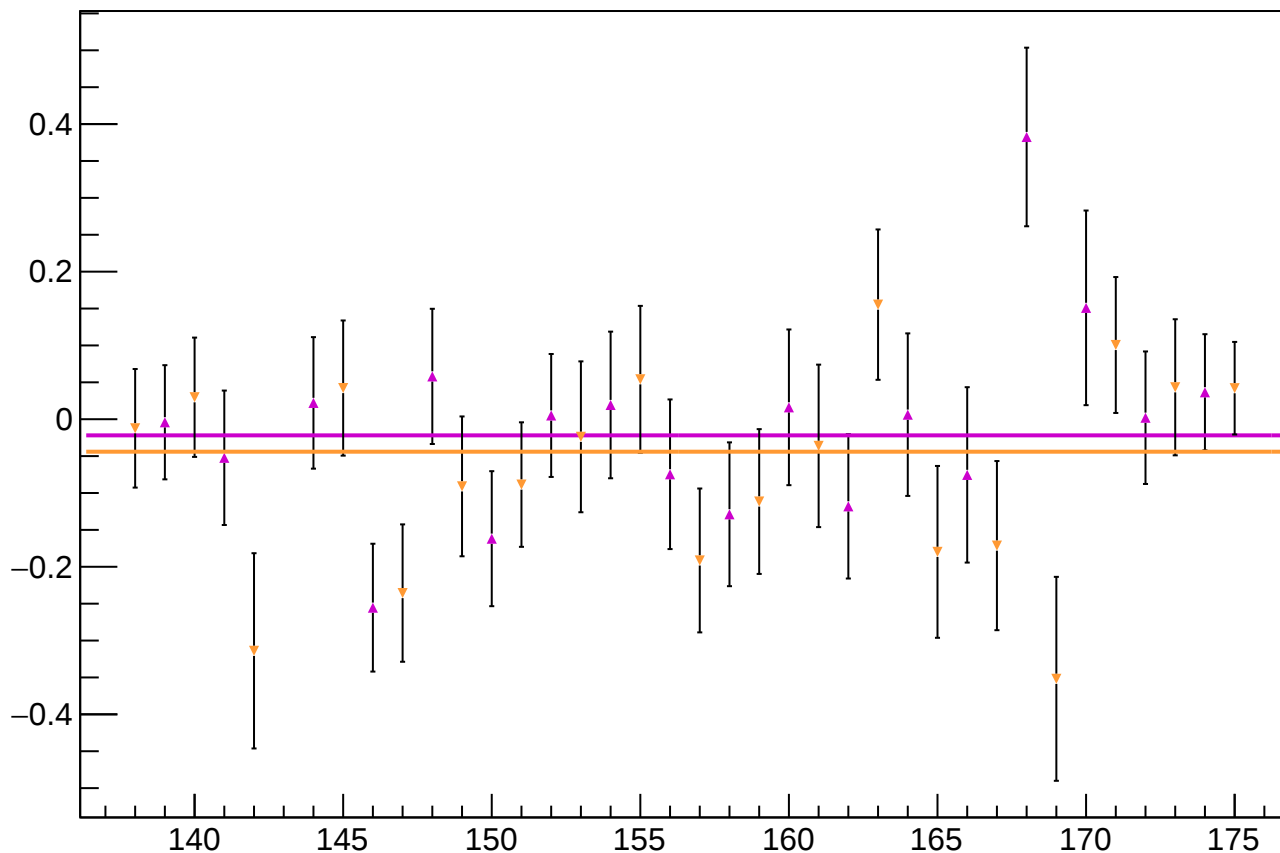
reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.128 ± 0.021 $\chi^2/\text{NDF}: 5252.9/15$
 Left Out: -1.100 ± 0.009 $\chi^2/\text{NDF}: 38595.2/18$
 Right Out: -1.631 ± 0.022 $\chi^2/\text{NDF}: 77878.6/17$
 Left In: -1.110 ± 0.009 $\chi^2/\text{NDF}: 27772.8/17$

Left: -1.105 ± 0.006 $\chi^2/\text{NDF}: 66368.7/36$
 Right: -0.739 ± 0.015 $\chi^2/\text{NDF}: 86433.1/33$
 In: -0.931 ± 0.008 $\chi^2/\text{NDF}: 35864.9/33$
 Out: -1.174 ± 0.008 $\chi^2/\text{NDF}: 116983.9/36$
 All: -1.053 ± 0.006 $\chi^2/\text{NDF}: 153292.7/70$

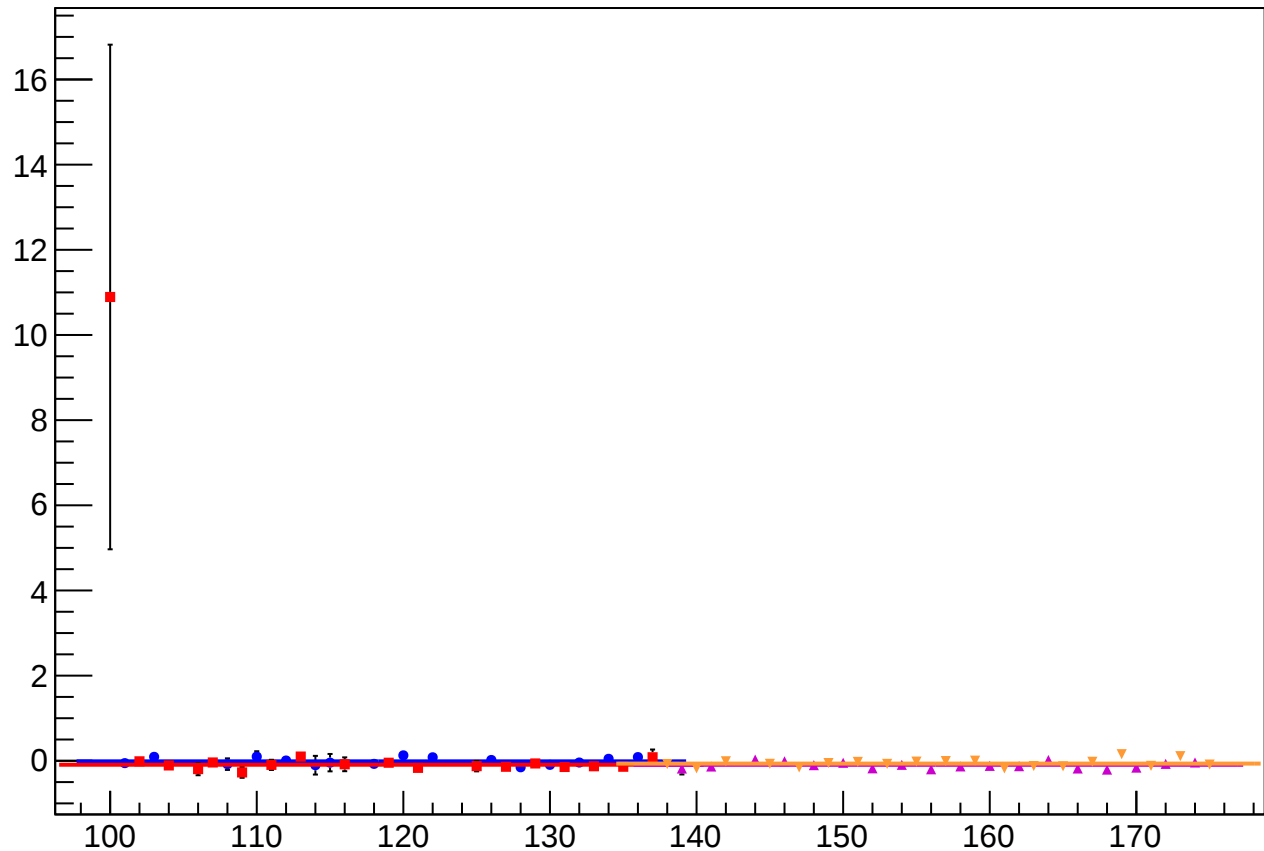
reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.044 $\pm$ 0.022 χ^2 /NDF:31.2/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.022 $\pm$ 0.022 χ^2 /NDF:27.4/17

Left: -0.033 $\pm$ 0.016 χ^2 /NDF: 59.1/36
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.022 $\pm$ 0.022 χ^2 /NDF:27.4/17
 Out: -0.044 $\pm$ 0.022 χ^2 /NDF:31.2/18
 All: -0.033 $\pm$ 0.016 χ^2 /NDF: 59.1/36

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: -0.066 ± 0.016 χ^2/NDF : 25.1/18

Right Out: -0.092 ± 0.025 χ^2/NDF : 12.7/17

Left In: -0.094 ± 0.016 χ^2/NDF : 16.8/17

Left: -0.079 ± 0.011 χ^2/NDF : 43.5/36

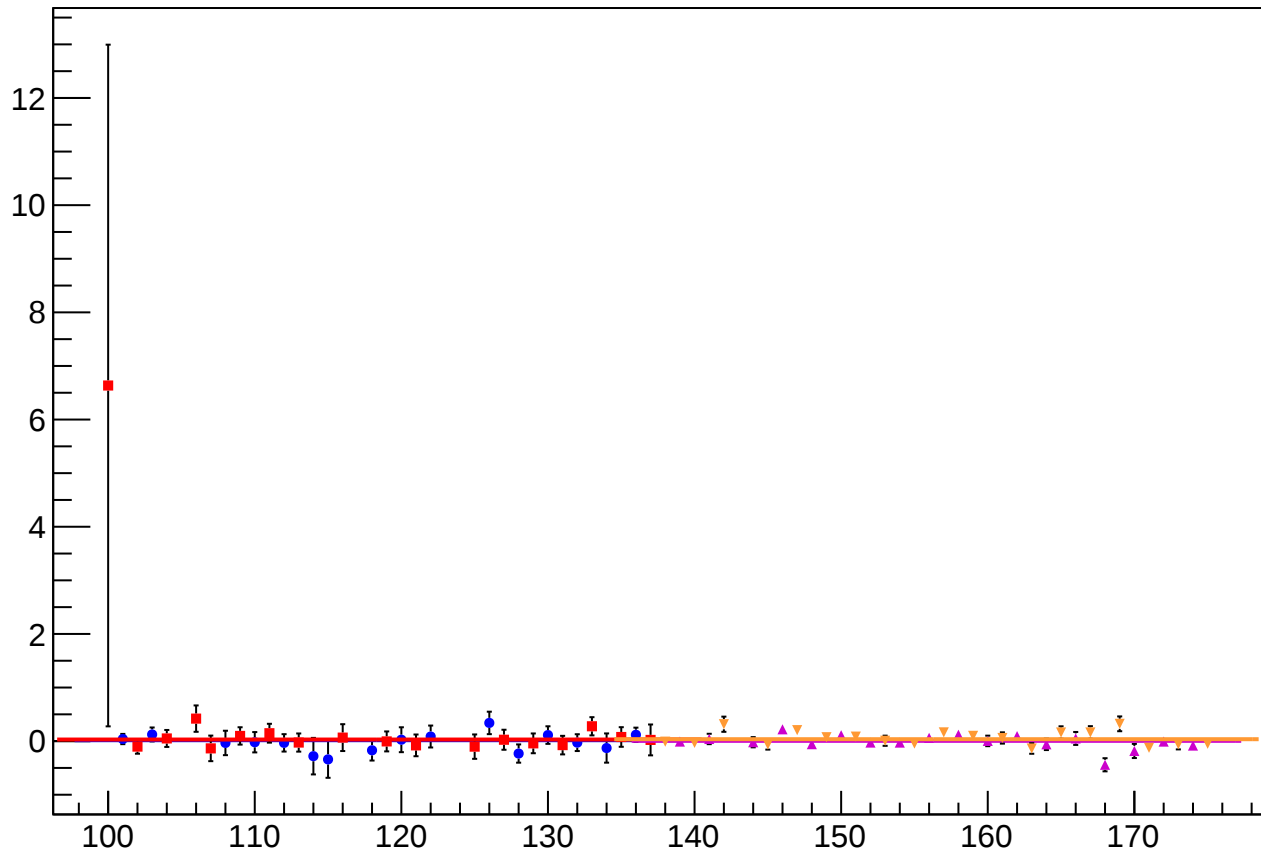
Right: -0.050 ± 0.017 χ^2/NDF : 30.3/33

In: -0.067 ± 0.013 χ^2/NDF : 37.1/33

Out: -0.073 ± 0.013 χ^2/NDF : 38.6/36

All: -0.070 ± 0.009 χ^2/NDF : 75.9/70

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: 0.036 $\pm$ 0.021 χ^2 /NDF: 29.1/18

Right Out: 0.030 $\pm$ 0.045 χ^2 /NDF: 9.2/17

Left In: 0.006 $\pm$ 0.022 χ^2 /NDF: 29.0/17

Left: 0.021 $\pm$ 0.015 χ^2 /NDF: 59.2/36

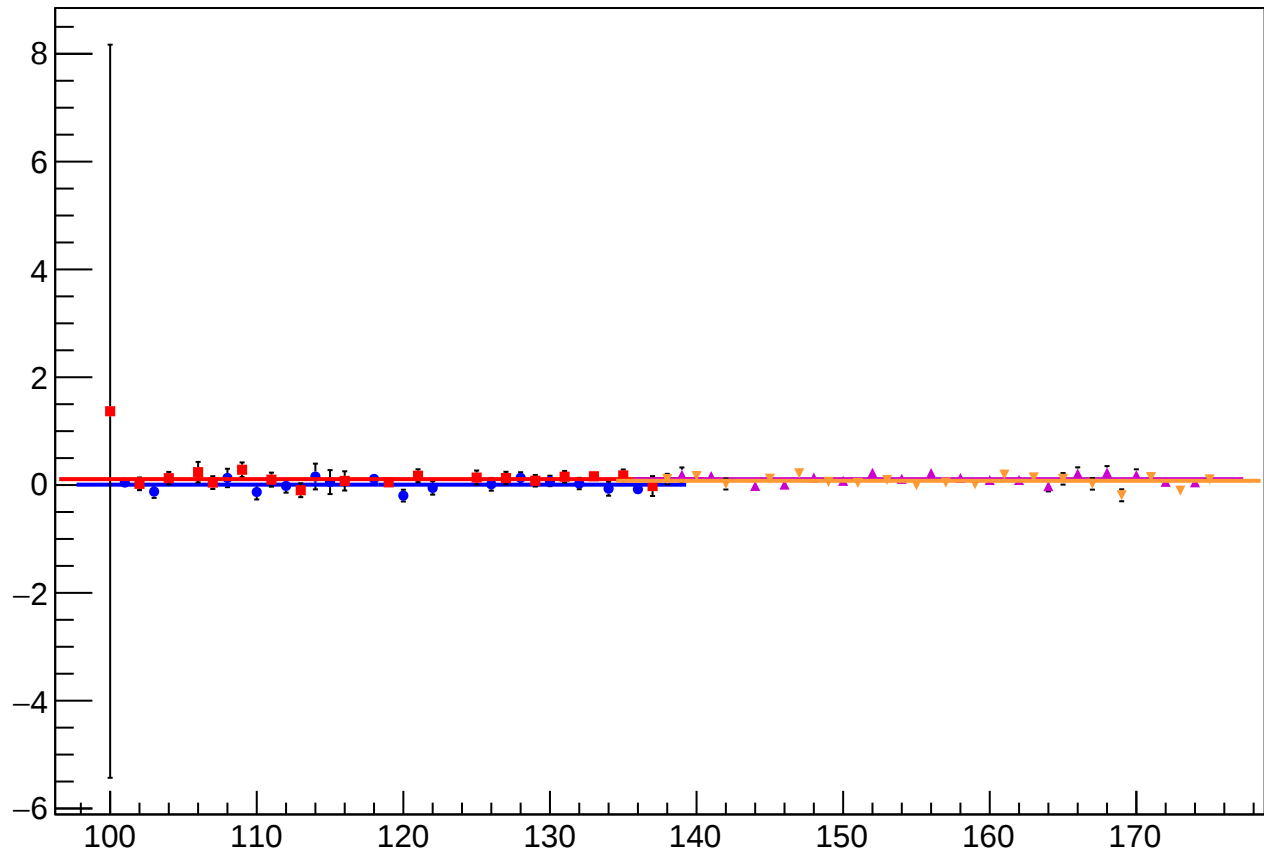
Right: 0.023 $\pm$ 0.031 χ^2 /NDF: 18.9/33

In: 0.008 $\pm$ 0.020 χ^2 /NDF: 38.7/33

Out: 0.035 $\pm$ 0.019 χ^2 /NDF: 38.4/36

All: 0.022 $\pm$ 0.014 χ^2 /NDF: 78.0/70

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: 0.079 $\pm$ 0.018 χ^2 /NDF: 25.0/18

Right Out: 0.110 $\pm$ 0.029 χ^2 /NDF: 8.0/17

Left In: 0.109 $\pm$ 0.019 χ^2 /NDF: 16.3/17

Left: 0.094 $\pm$ 0.013 χ^2 /NDF: 42.7/36

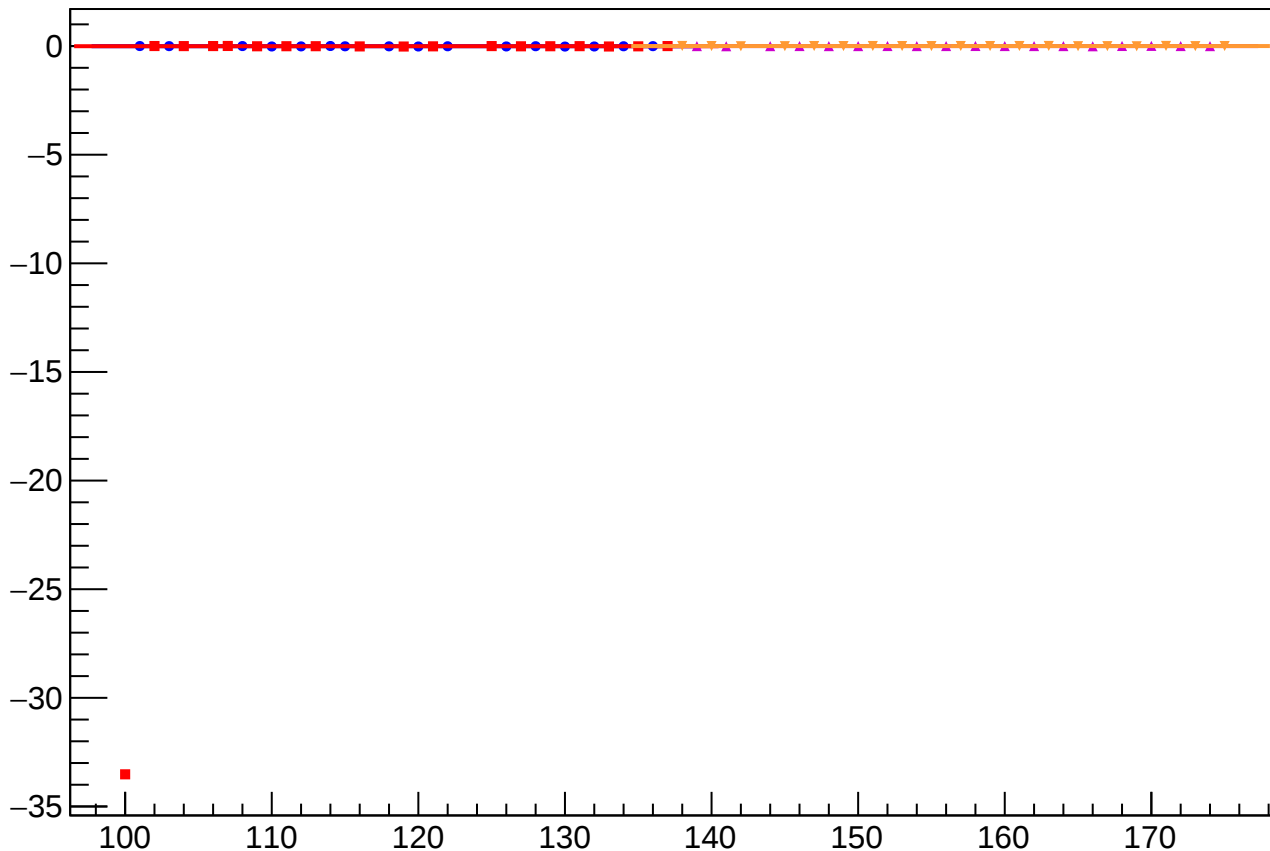
Right: 0.055 $\pm$ 0.020 χ^2 /NDF: 27.0/33

In: 0.075 $\pm$ 0.015 χ^2 /NDF: 38.1/33

Out: 0.088 $\pm$ 0.015 χ^2 /NDF: 33.8/36

All: 0.082 $\pm$ 0.011 χ^2 /NDF: 72.3/70

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:18.7/18

Right Out: -0.006 $\pm$ 0.001 χ^2 /NDF: 26508.9/17

Left In: 0.000 $\pm$ 0.001 χ^2 /NDF:15.5/17

Left: 0.001 $\pm$ 0.001 χ^2 /NDF: 34.5/36

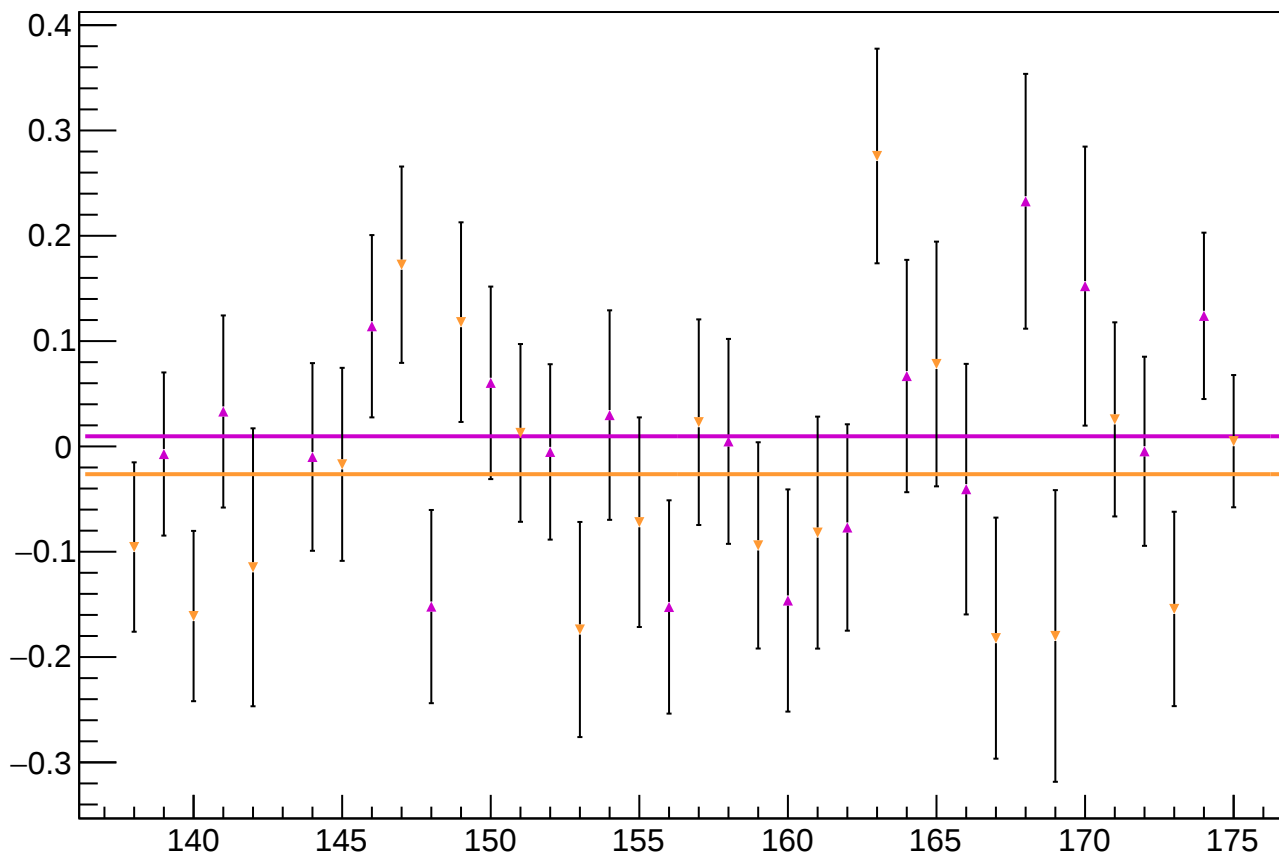
Right: -0.006 $\pm$ 0.001 χ^2 /NDF: 26531.6/33

In: -0.001 $\pm$ 0.001 χ^2 /NDF:50.1/33

Out: -0.001 $\pm$ 0.001 χ^2 /NDF:26544.3/36

All: -0.001 $\pm$ 0.001 χ^2 /NDF: 26594.5/70

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: -0.026 $\pm$ 0.022 χ^2 /NDF:29.5/18

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

Left In: 0.010 $\pm$ 0.022 χ^2 /NDF:17.8/17

Left: -0.009 $\pm$ 0.016 χ^2 /NDF: 48.6/36

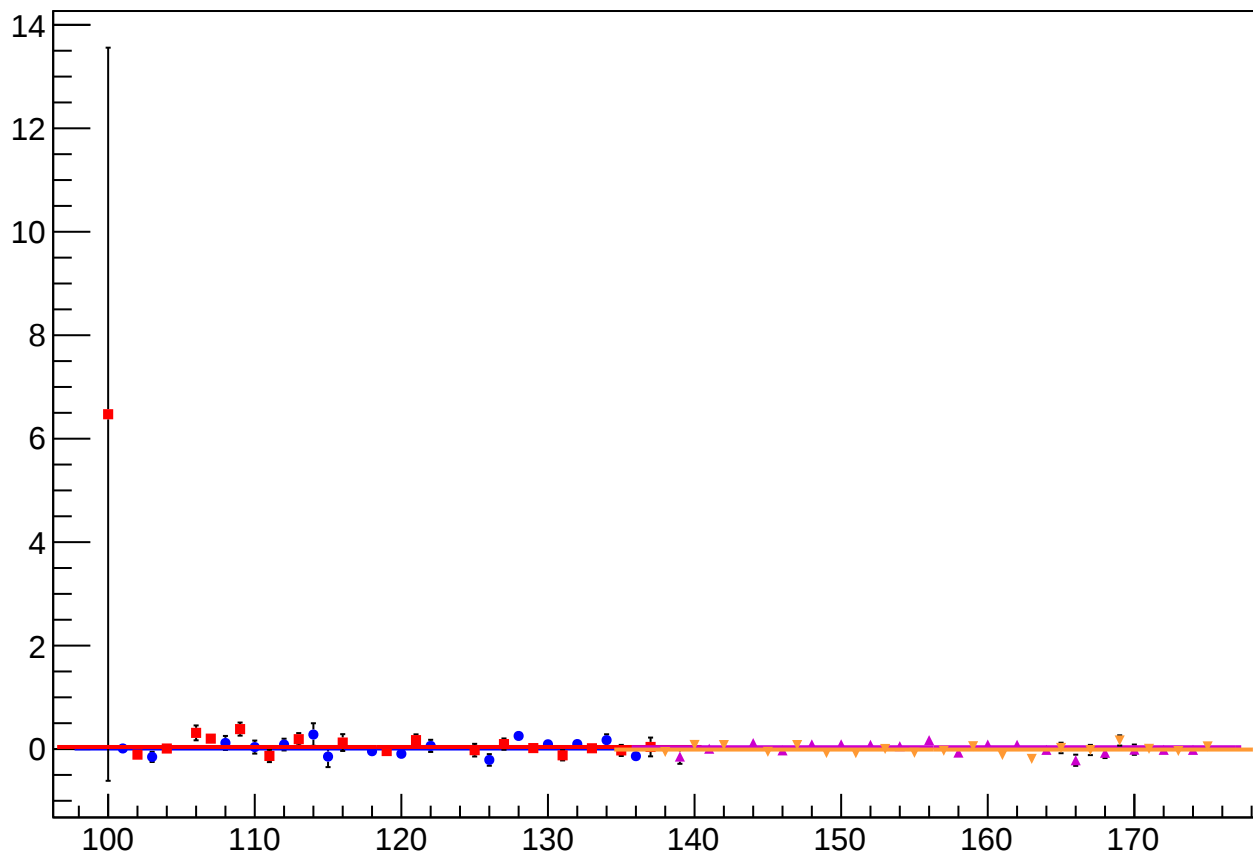
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 0.010 $\pm$ 0.022 χ^2 /NDF:17.8/17

Out: -0.026 $\pm$ 0.022 χ^2 /NDF:29.5/18

All: -0.009 $\pm$ 0.016 χ^2 /NDF: 48.6/36

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: -0.010 $\pm$ 0.016 χ^2 /NDF:24.2/18

Right Out: 0.040 $\pm$ 0.025 χ^2 /NDF: 27.9/17

Left In: 0.035 $\pm$ 0.016 χ^2 /NDF:23.1/17

Left: 0.012 $\pm$ 0.011 χ^2 /NDF: 51.2/36

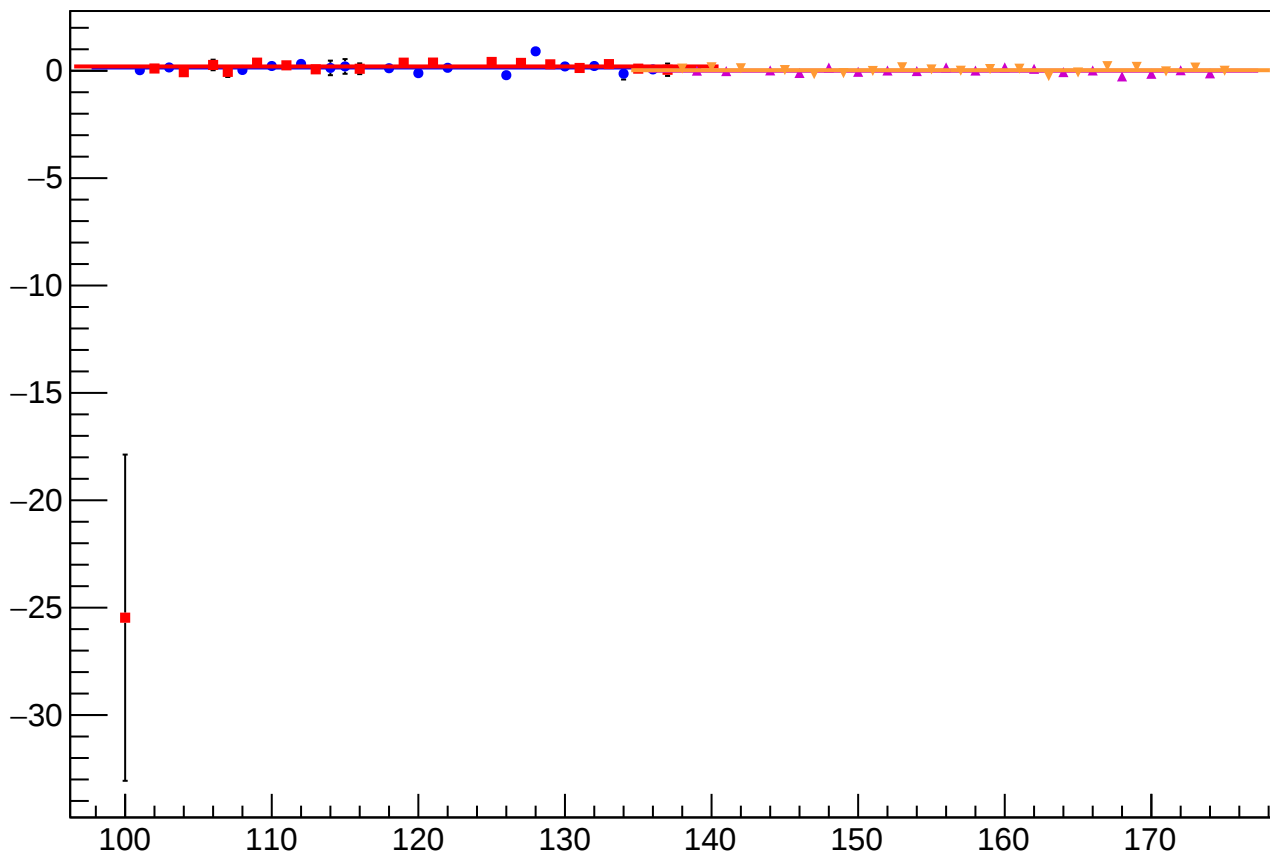
Right: 0.024 $\pm$ 0.017 χ^2 /NDF: 54.1/33

In: 0.027 $\pm$ 0.013 χ^2 /NDF:49.3/33

Out: 0.005 $\pm$ 0.013 χ^2 /NDF:55.0/36

All: 0.016 $\pm$ 0.009 χ^2 /NDF: 105.7/70

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.152 $\pm$ 0.043 χ^2 /NDF: 28.7/15

Left Out: 0.026 $\pm$ 0.021 χ^2 /NDF:28.5/18

Right Out: 0.200 $\pm$ 0.045 χ^2 /NDF: 22.9/17

Left In: 0.001 $\pm$ 0.022 χ^2 /NDF:19.4/17

Left: 0.014 $\pm$ 0.015 χ^2 /NDF: 48.5/36

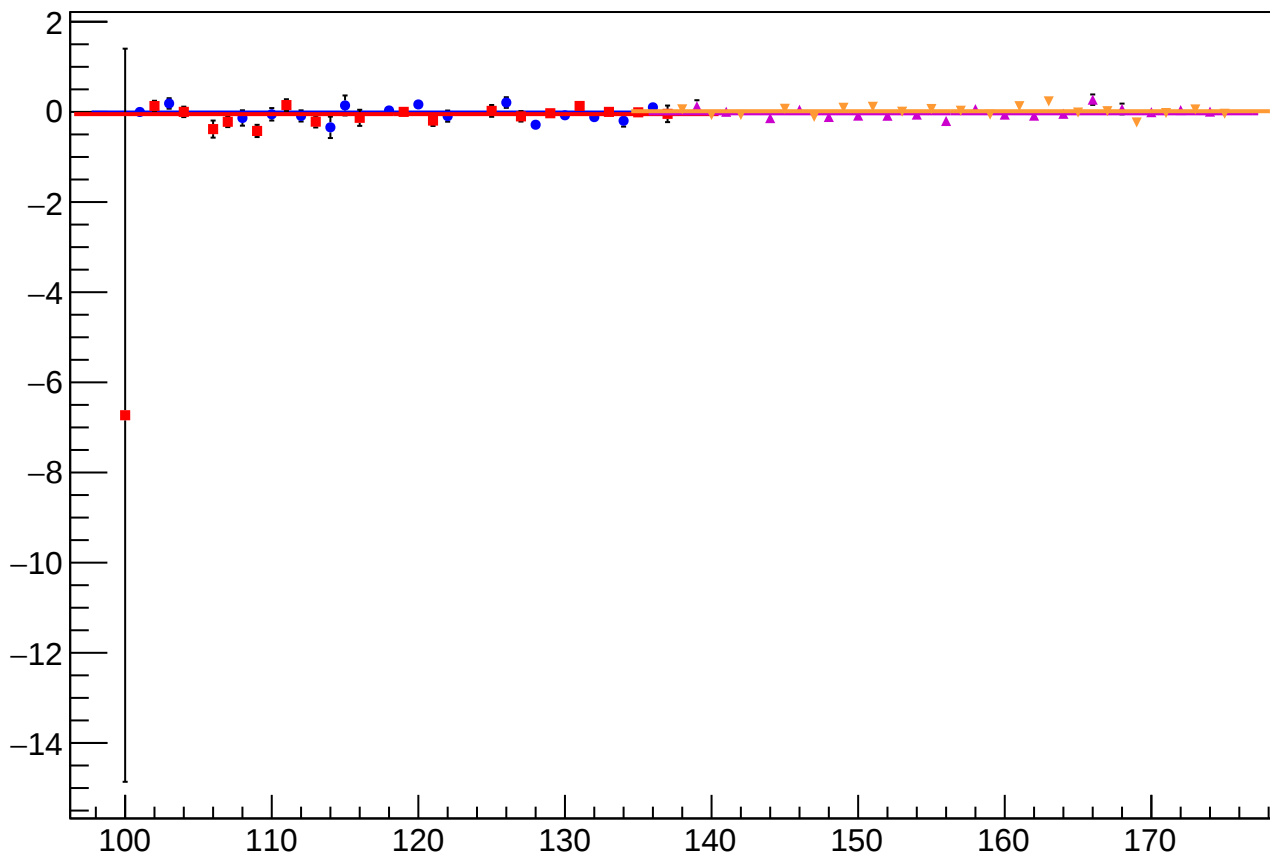
Right: 0.175 $\pm$ 0.031 χ^2 /NDF: 52.2/33

In: 0.033 $\pm$ 0.020 χ^2 /NDF:57.9/33

Out: 0.058 $\pm$ 0.019 χ^2 /NDF:63.7/36

All: 0.046 $\pm$ 0.014 χ^2 /NDF: 122.4/70

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: 0.015 ± 0.018 χ^2/NDF : 27.0/18

Right Out: -0.050 ± 0.029 χ^2/NDF : 25.7/17

Left In: -0.032 ± 0.019 χ^2/NDF : 23.5/17

Left: -0.008 ± 0.013 χ^2/NDF : 53.7/36

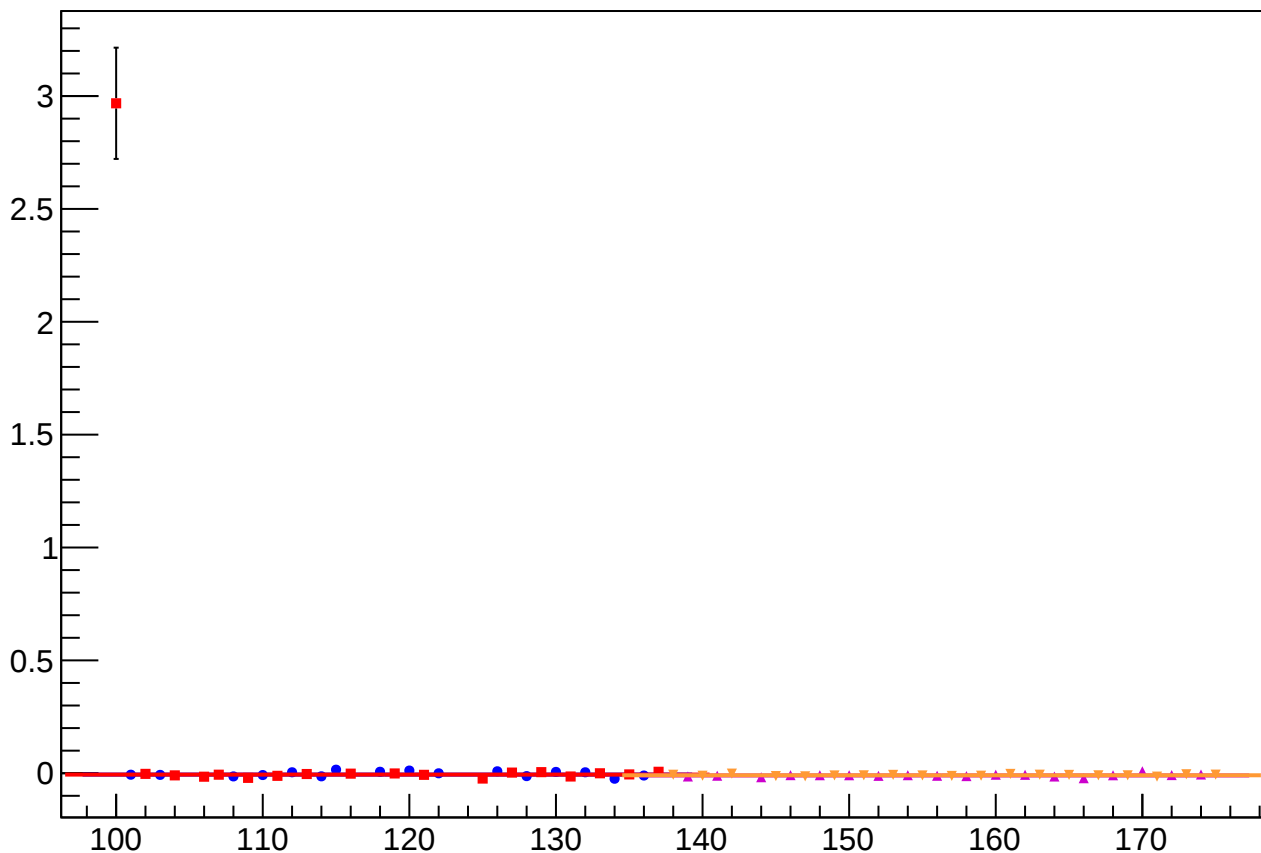
Right: -0.031 ± 0.020 χ^2/NDF : 51.8/33

In: -0.026 ± 0.015 χ^2/NDF : 48.9/33

Out: -0.004 ± 0.015 χ^2/NDF : 56.4/36

All: -0.015 ± 0.011 χ^2/NDF : 106.4/70

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:15.1/18

Right Out: -0.006 $\pm$ 0.001 χ^2 /NDF: 165.9/17

Left In: -0.010 $\pm$ 0.001 χ^2 /NDF:32.1/17

Left: -0.009 $\pm$ 0.001 χ^2 /NDF: 47.6/36

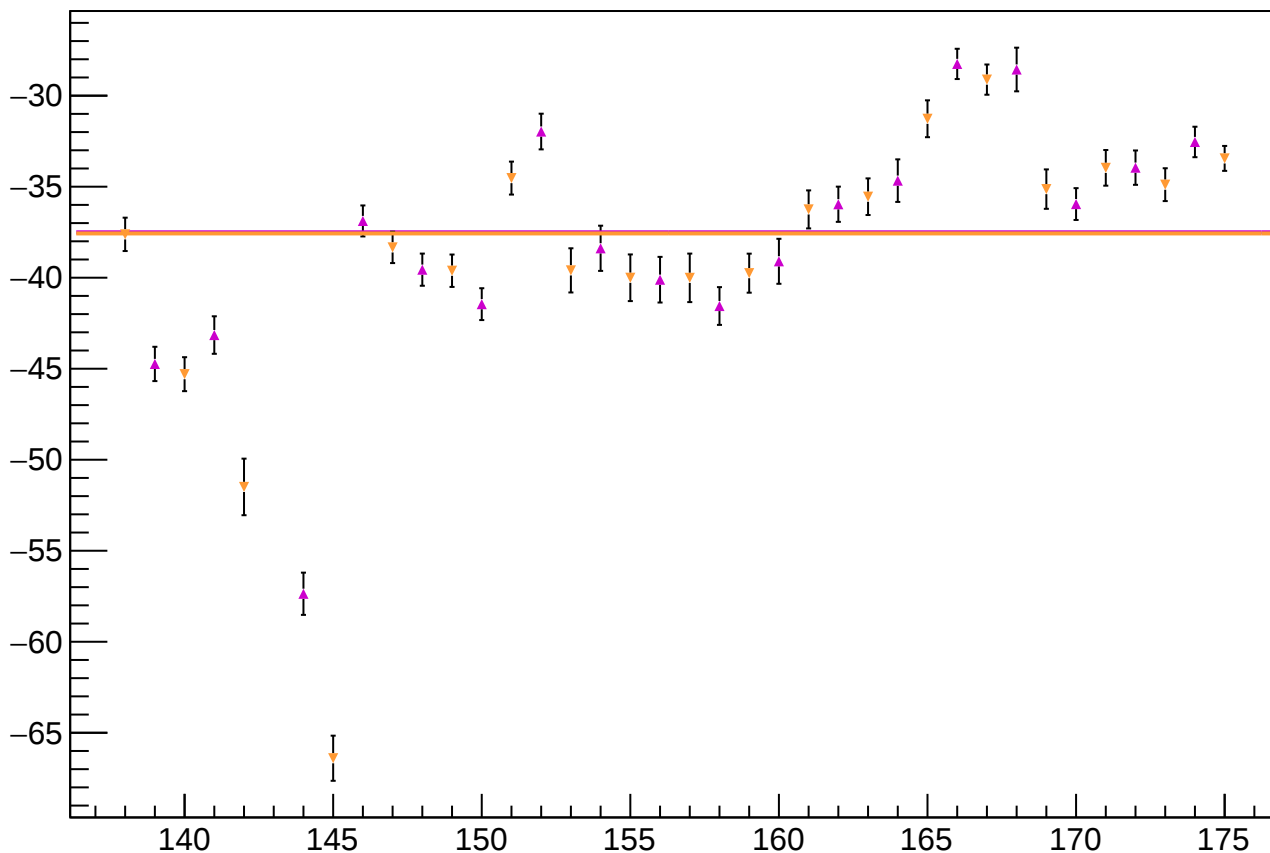
Right: -0.006 $\pm$ 0.001 χ^2 /NDF: 194.8/33

In: -0.009 $\pm$ 0.001 χ^2 /NDF:66.2/33

Out: -0.008 $\pm$ 0.001 χ^2 /NDF:184.1/36

All: -0.009 $\pm$ 0.001 χ^2 /NDF: 250.6/70

reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -37.568+/-0.226 χ^2/NDF :932.8/18

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

Left In: -37.505+/-0.233 χ^2/NDF :702.0/17

Left: -37.537+/-0.162 χ^2/NDF : 1634.8/36

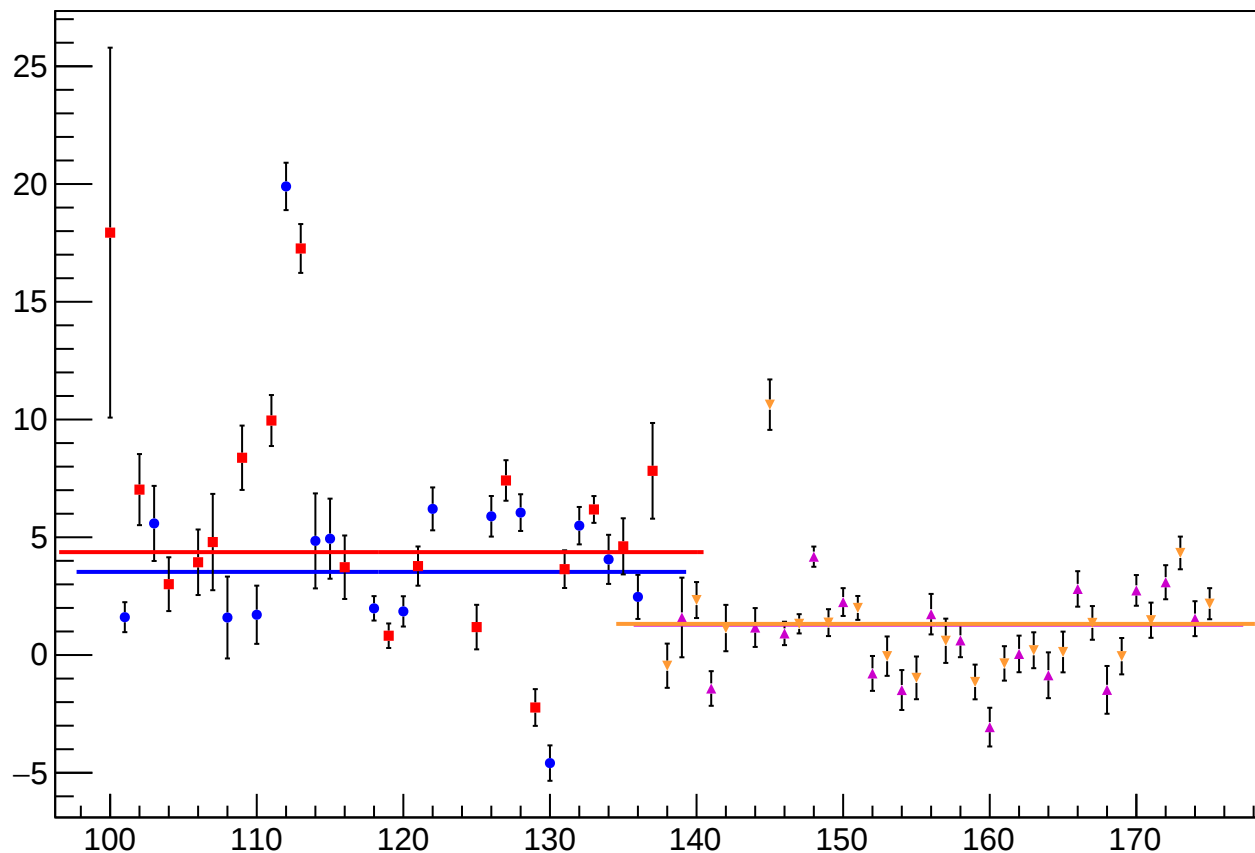
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -37.505+/-0.233 χ^2/NDF :702.0/17

Out: -37.568+/-0.226 χ^2/NDF :932.8/18

All: -37.537+/-0.162 χ^2/NDF : 1634.8/36

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.530 $\pm$ 0.217 χ^2 /NDF: 446.6/15

Left Out: 1.322 $\pm$ 0.162 χ^2 /NDF:136.6/18

Right Out: 4.370 $\pm$ 0.225 χ^2 /NDF: 353.8/17

Left In: 1.291 $\pm$ 0.168 χ^2 /NDF:140.0/17

Left: 1.307 $\pm$ 0.117 χ^2 /NDF: 276.6/36

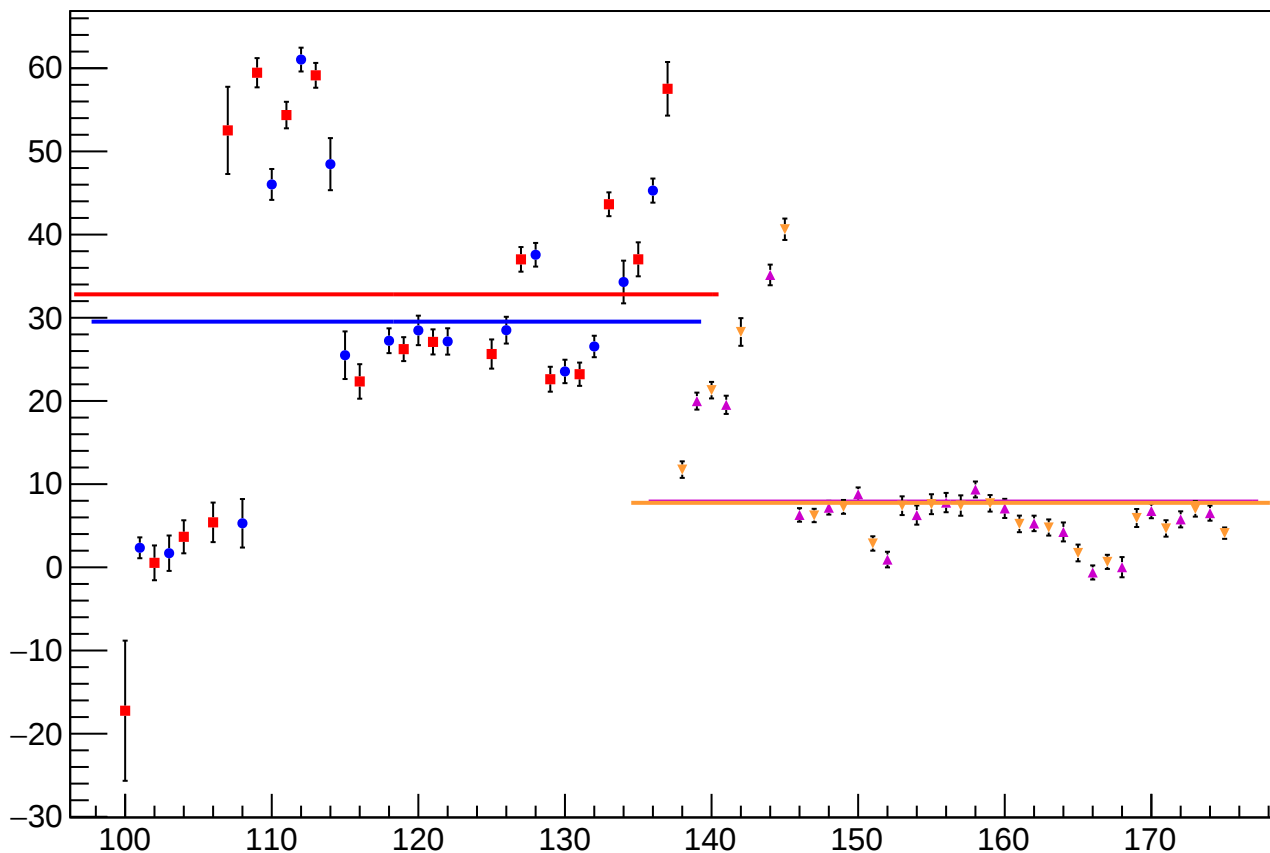
Right: 3.934 $\pm$ 0.156 χ^2 /NDF: 807.6/33

In: 2.126 $\pm$ 0.133 χ^2 /NDF:653.2/33

Out: 2.361 $\pm$ 0.132 χ^2 /NDF:610.8/36

All: 2.245 $\pm$ 0.093 χ^2 /NDF: 1265.6/70

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: 7.754 $\pm$ 0.223 χ^2 /NDF:1207.2/18

Right Out: 32.816 $\pm$ 0.423 χ^2 /NDF: 1659.3/17

Left In: 7.905 $\pm$ 0.230 χ^2 /NDF:971.1/17

Left: 7.828 $\pm$ 0.160 χ^2 /NDF: 2178.5/36

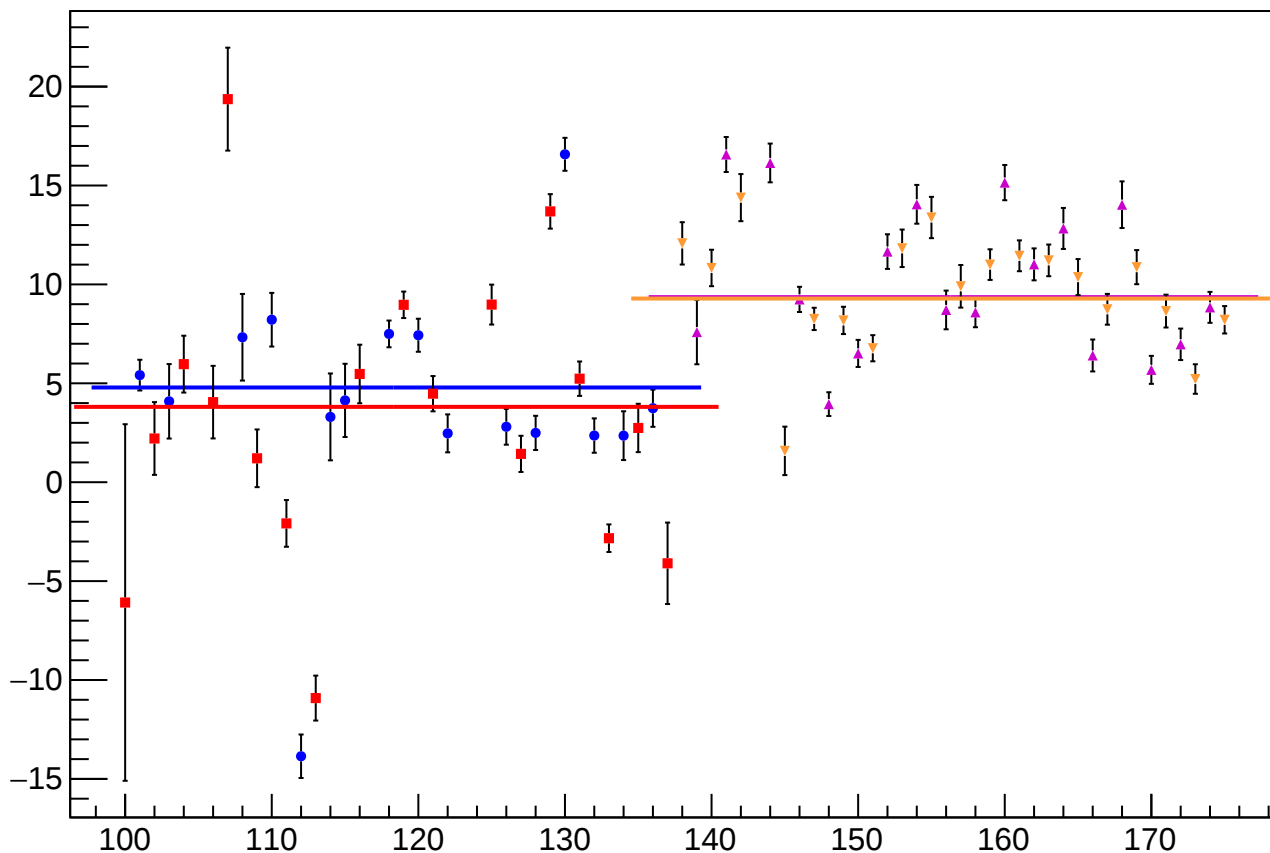
Right: 31.152 $\pm$ 0.297 χ^2 /NDF: 3184.7/33

In: 12.942 $\pm$ 0.201 χ^2 /NDF:4532.3/33

Out: 13.215 $\pm$ 0.197 χ^2 /NDF:5613.9/36

All: 13.081 $\pm$ 0.141 χ^2 /NDF: 10147.1/70

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: 9.285 ± 0.188 $\chi^2/\text{NDF}: 167.2/18$

Right Out: 3.809 ± 0.259 $\chi^2/\text{NDF}: 567.6/17$

Left In: 9.357 ± 0.195 $\chi^2/\text{NDF}: 368.7/17$

Left: 9.320 ± 0.135 $\chi^2/\text{NDF}: 535.9/36$

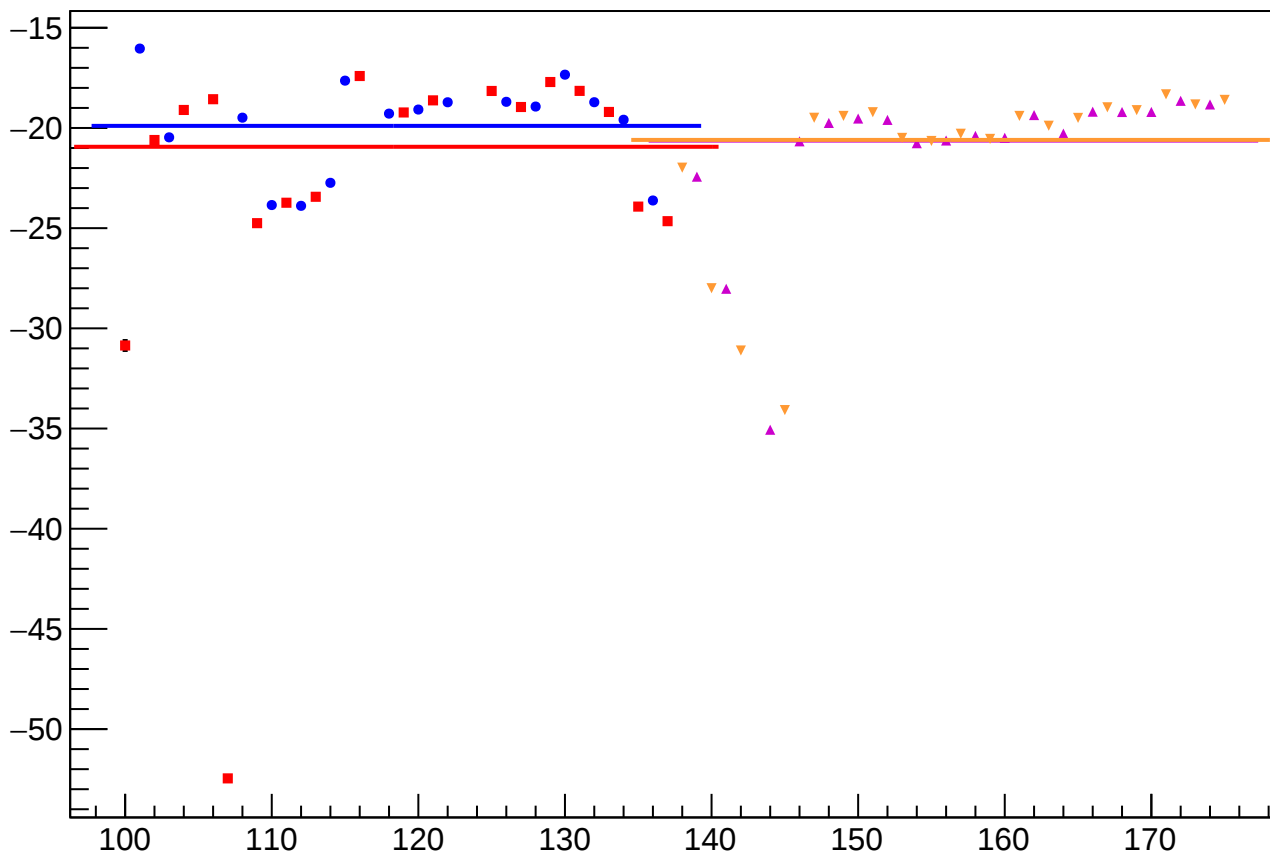
Right: 4.313 ± 0.180 $\chi^2/\text{NDF}: 1128.9/33$

In: 7.645 ± 0.154 $\chi^2/\text{NDF}: 1129.4/33$

Out: 7.393 ± 0.152 $\chi^2/\text{NDF}: 1027.7/36$

All: 7.518 ± 0.108 $\chi^2/\text{NDF}: 2158.4/70$

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.895+/-0.016 χ^2/NDF : 26073.6/15

Left Out: -20.596+/-0.009 χ^2/NDF :144816.0/18

Right Out: -20.938+/-0.016 χ^2/NDF : 94065.2/17

Left In: -20.631+/-0.009 χ^2/NDF :115079.5/17

Left: -20.613+/-0.006 χ^2/NDF : 259903.3/36

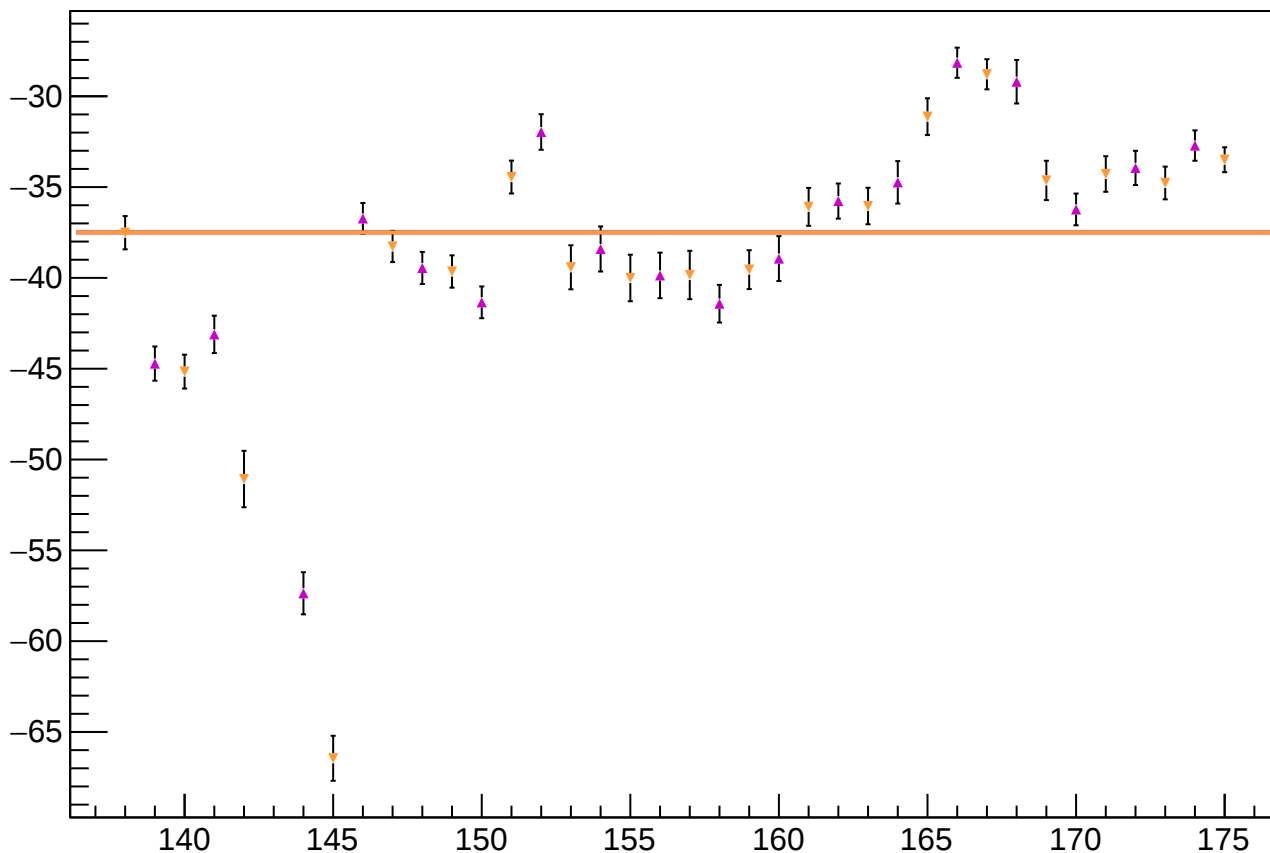
Right: -20.412+/-0.011 χ^2/NDF : 122364.1/33

In: -20.448+/-0.008 χ^2/NDF :142831.2/33

Out: -20.679+/-0.008 χ^2/NDF :239240.9/36

All: -20.564+/-0.005 χ^2/NDF : 382517.1/70

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: -37.498+/-0.226 χ^2/NDF :936.1/18

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

Left In: -37.493+/-0.232 χ^2/NDF :690.9/17

Left: -37.496+/-0.162 χ^2/NDF : 1627.1/36

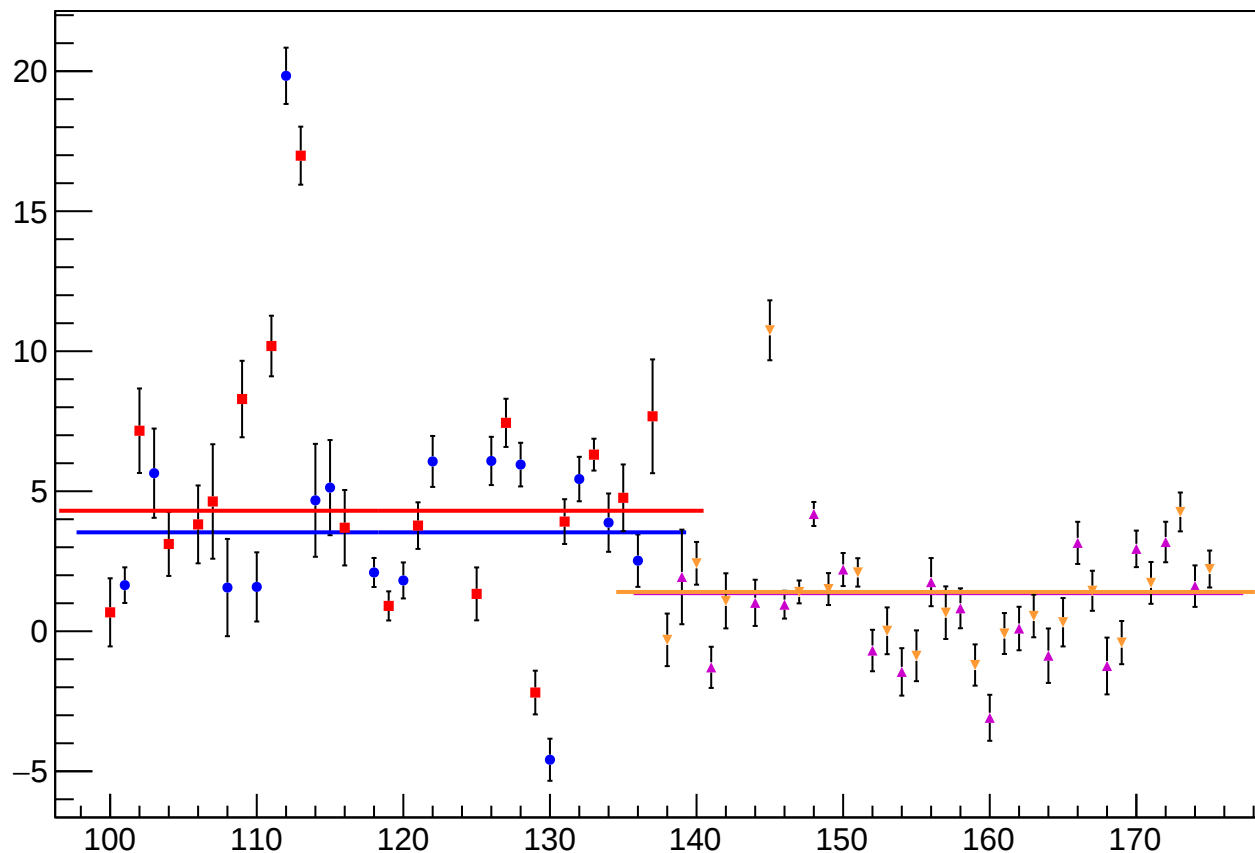
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -37.493+/-0.232 χ^2/NDF :690.9/17

Out: -37.498+/-0.226 χ^2/NDF :936.1/18

All: -37.496+/-0.162 χ^2/NDF : 1627.1/36

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: 1.404 ± 0.162 $\chi^2/\text{NDF}: 136.7/18$

Right Out: 4.303 ± 0.222 $\chi^2/\text{NDF}: 352.8/17$

Left In: 1.360 ± 0.168 $\chi^2/\text{NDF}: 140.9/17$

Left: 1.383 ± 0.117 $\chi^2/\text{NDF}: 277.6/36$

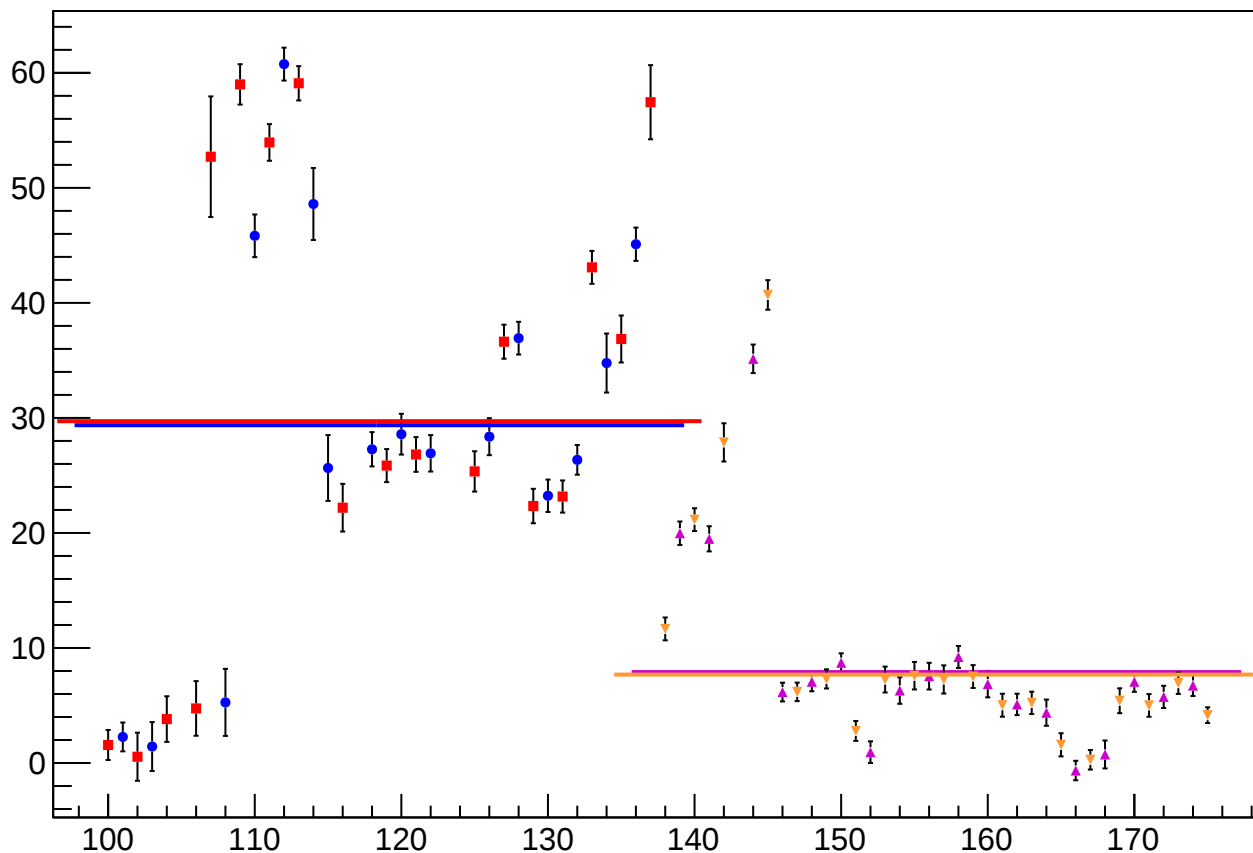
Right: 3.910 ± 0.155 $\chi^2/\text{NDF}: 802.2/33$

In: 2.171 ± 0.133 $\chi^2/\text{NDF}: 646.8/33$

Out: 2.414 ± 0.131 $\chi^2/\text{NDF}: 601.1/36$

All: 2.294 ± 0.093 $\chi^2/\text{NDF}: 1249.6/70$

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.367+/-0.416 χ^2/NDF : 1488.7/15

Left Out: 7.687+/-0.223 χ^2/NDF :1208.4/18

Right Out: 29.719+/-0.402 χ^2/NDF : 2129.5/17

Left In: 7.903+/-0.229 χ^2/NDF :964.2/17

Left: 7.792+/-0.160 χ^2/NDF : 2173.0/36

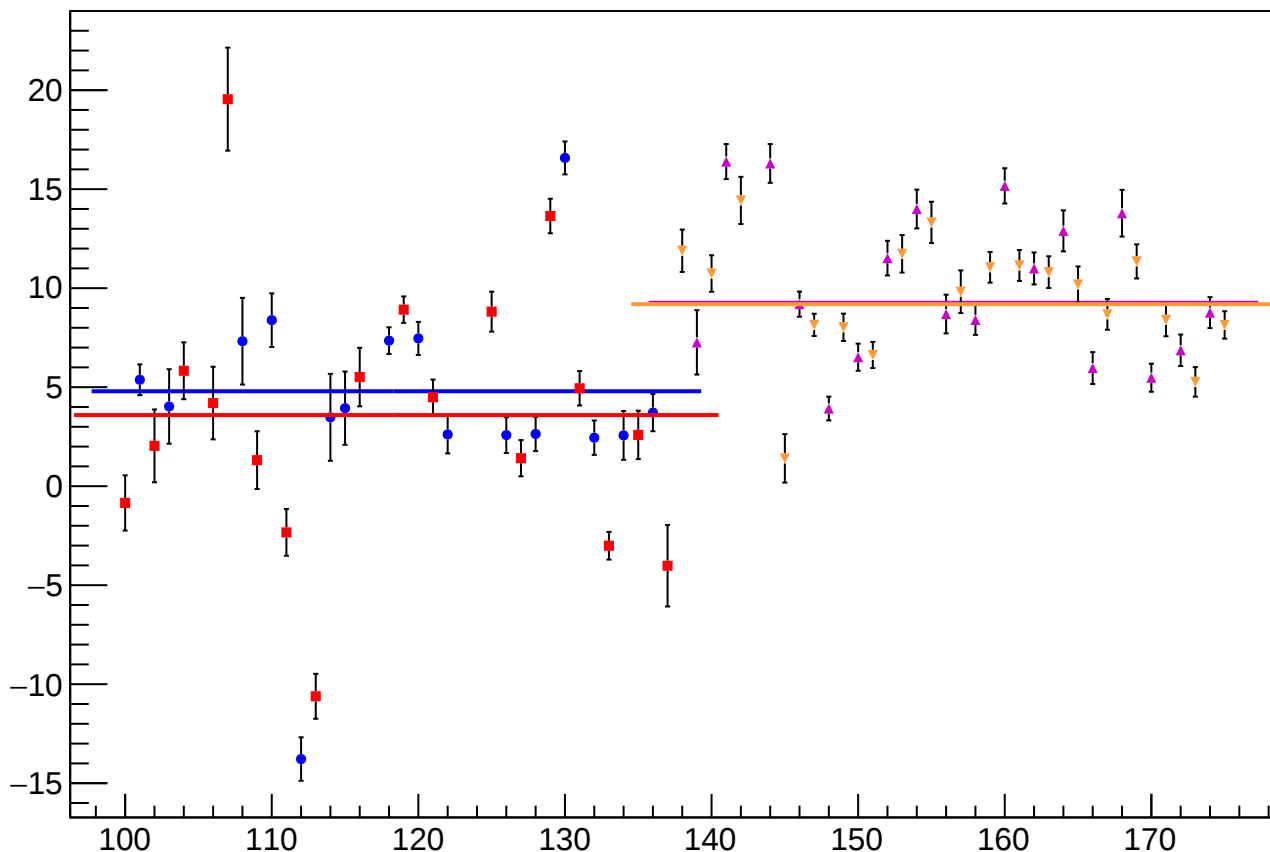
Right: 29.549+/-0.289 χ^2/NDF : 3618.6/33

In: 12.902+/-0.201 χ^2/NDF :4490.4/33

Out: 12.865+/-0.195 χ^2/NDF :5630.5/36

All: 12.883+/-0.140 χ^2/NDF : 10120.9/70

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: 9.189 ± 0.188 $\chi^2/\text{NDF}: 168.6/18$

Right Out: 3.591 ± 0.254 $\chi^2/\text{NDF}: 573.3/17$

Left In: 9.264 ± 0.194 $\chi^2/\text{NDF}: 375.9/17$

Left: 9.226 ± 0.135 $\chi^2/\text{NDF}: 544.6/36$

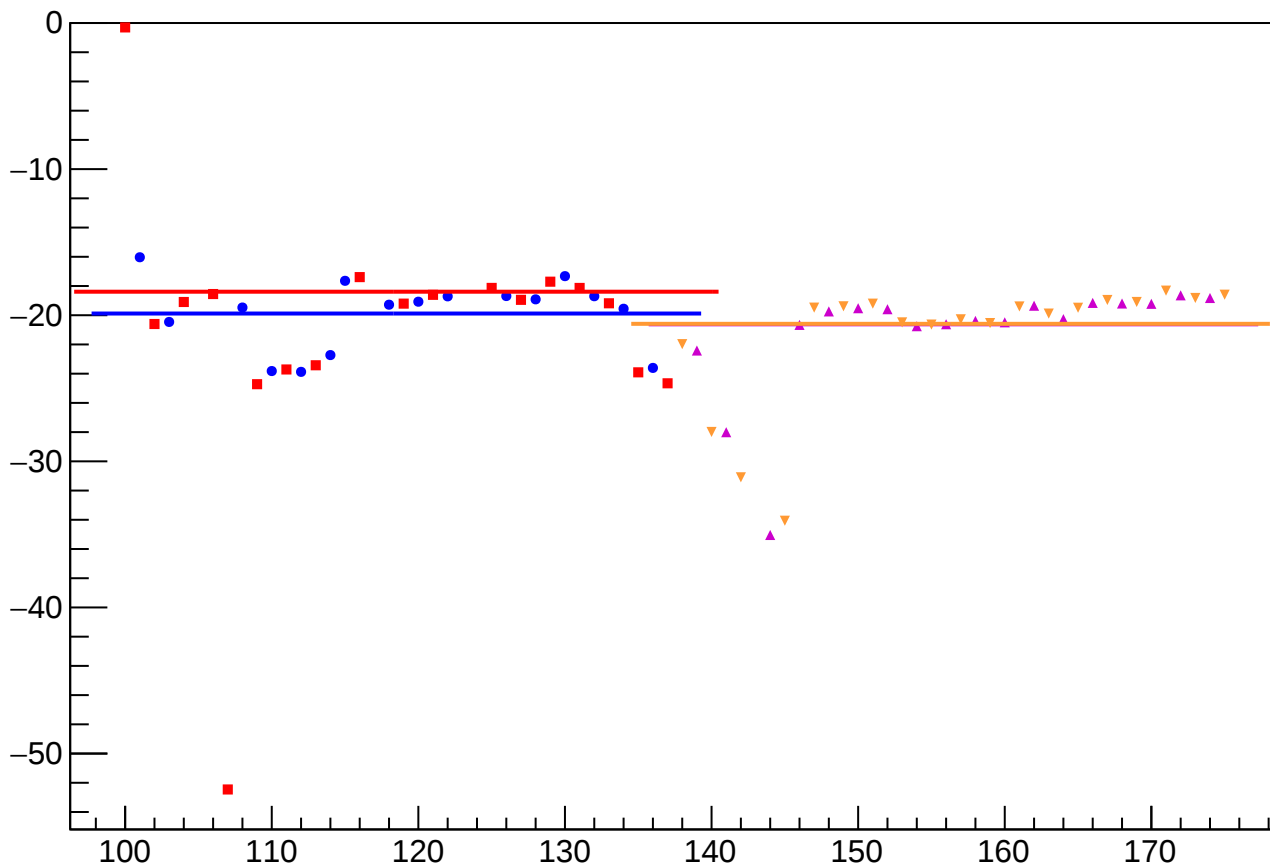
Right: 4.201 ± 0.179 $\chi^2/\text{NDF}: 1134.6/33$

In: 7.589 ± 0.154 $\chi^2/\text{NDF}: 1124.1/33$

Out: 7.213 ± 0.151 $\chi^2/\text{NDF}: 1055.0/36$

All: 7.398 ± 0.108 $\chi^2/\text{NDF}: 2182.1/70$

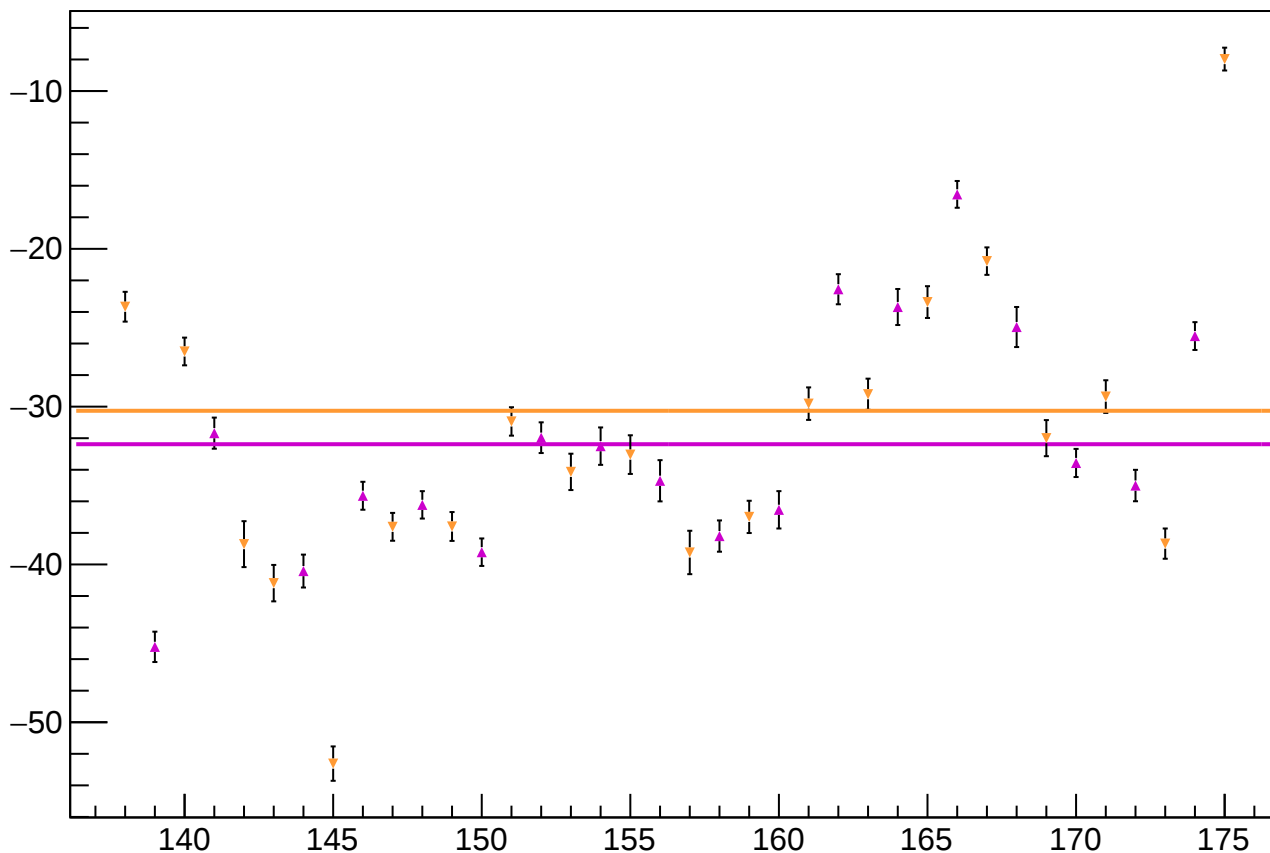
reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.883 ± 0.016 $\chi^2/\text{NDF}: 26063.5/15$
 Left Out: -20.588 ± 0.009 $\chi^2/\text{NDF}: 144895.8/18$
 Right Out: -18.390 ± 0.015 $\chi^2/\text{NDF}: 301247.7/17$
 Left In: -20.623 ± 0.009 $\chi^2/\text{NDF}: 114970.3/17$

Left: -20.605 ± 0.006 $\chi^2/\text{NDF}: 259873.5/36$
 Right: -19.096 ± 0.011 $\chi^2/\text{NDF}: 332167.8/33$
 In: -20.439 ± 0.008 $\chi^2/\text{NDF}: 142730.1/33$
 Out: -19.999 ± 0.008 $\chi^2/\text{NDF}: 462434.1/36$
 All: -20.215 ± 0.005 $\chi^2/\text{NDF}: 606792.9/70$

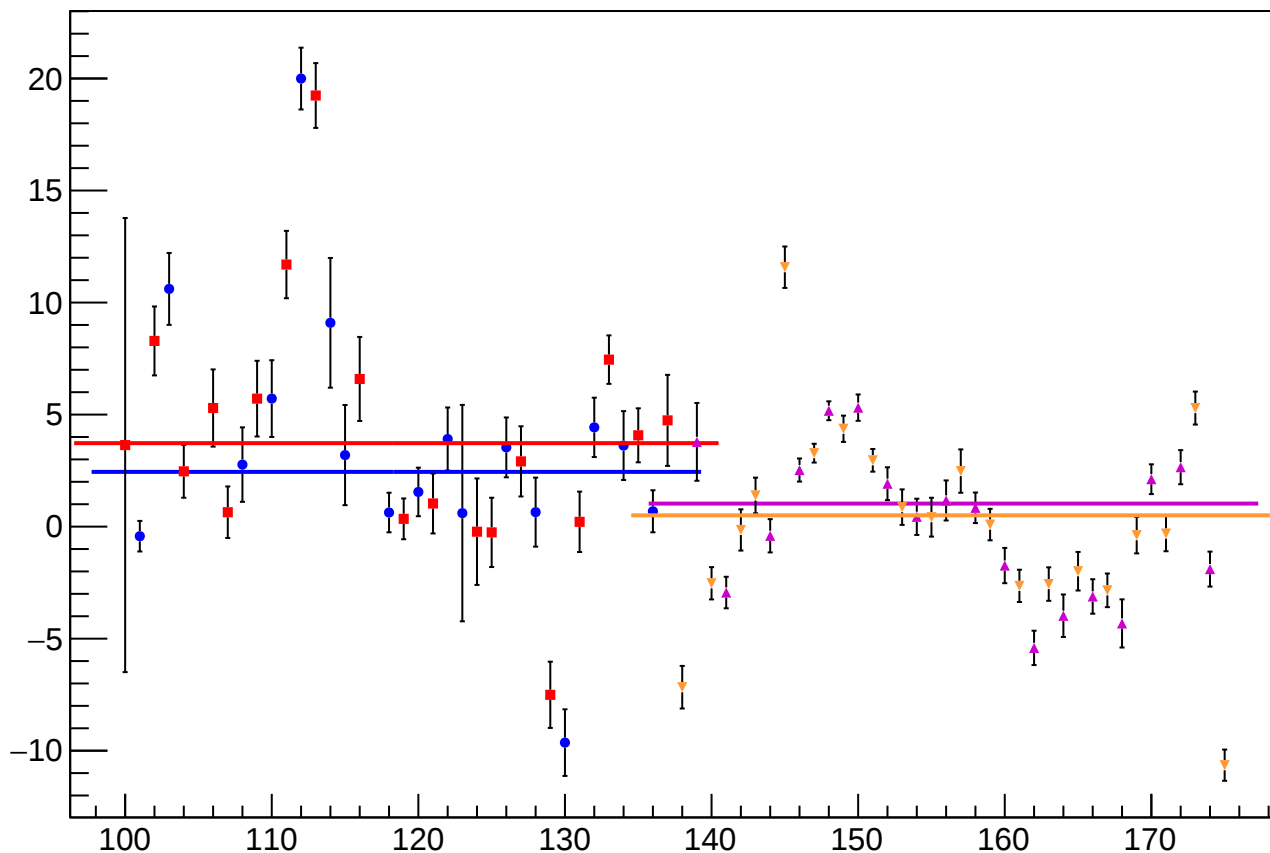
reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -30.262+/-0.223 χ^2/NDF :2044.5/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -32.381+/-0.233 χ^2/NDF :998.8/17

Left: -31.277+/-0.161 χ^2/NDF : 3086.4/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -32.381+/-0.233 χ^2/NDF :998.8/17
 Out: -30.262+/-0.223 χ^2/NDF :2044.5/19
 All: -31.277+/-0.161 χ^2/NDF : 3086.4/37

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: 0.504 ± 0.159 $\chi^2/\text{NDF}: 708.7/19$

Right Out: 3.726 ± 0.327 $\chi^2/\text{NDF}: 269.1/18$

Left In: 1.028 ± 0.167 $\chi^2/\text{NDF}: 384.4/17$

Left: 0.754 ± 0.115 $\chi^2/\text{NDF}: 1098.2/37$

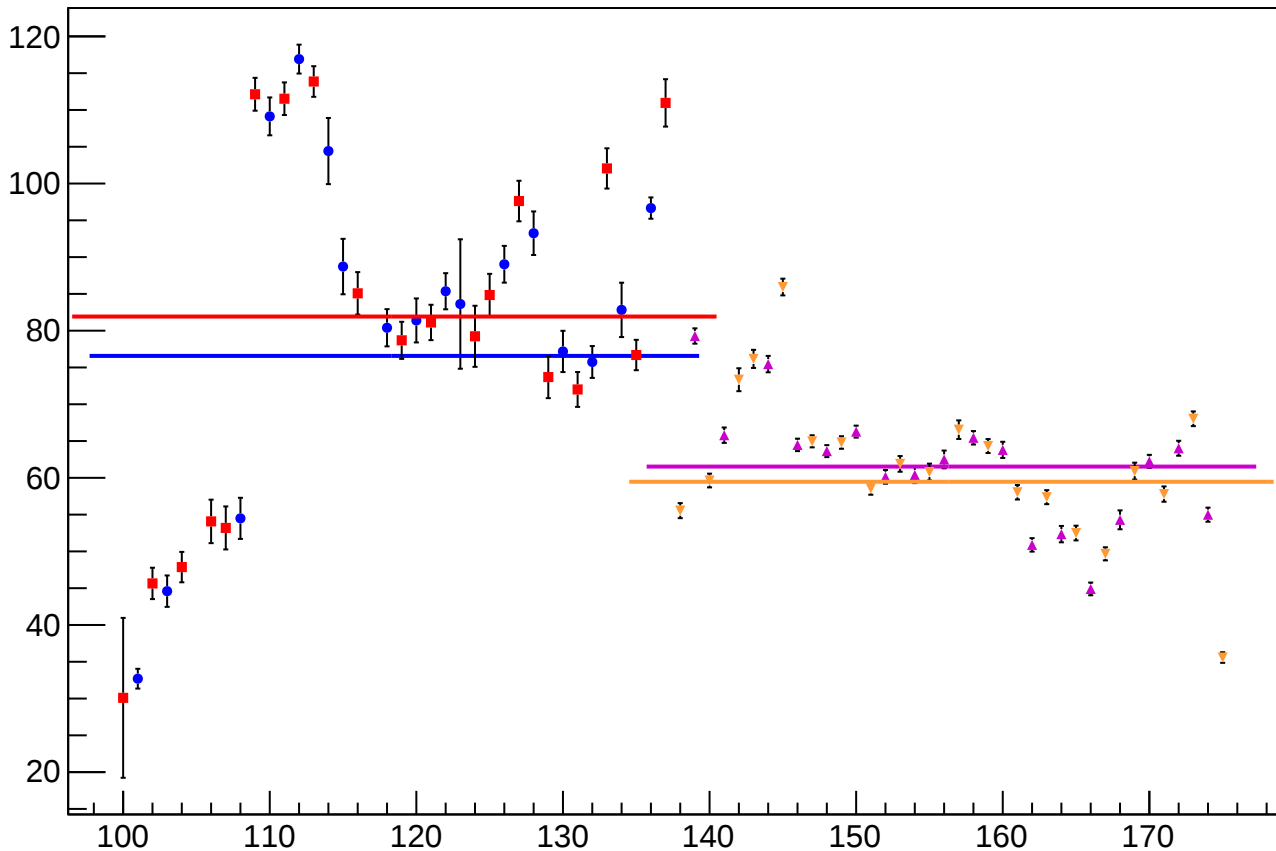
Right: 3.053 ± 0.225 $\chi^2/\text{NDF}: 572.5/35$

In: 1.345 ± 0.147 $\chi^2/\text{NDF}: 695.7/34$

Out: 1.123 ± 0.143 $\chi^2/\text{NDF}: 1056.3/38$

All: 1.231 ± 0.103 $\chi^2/\text{NDF}: 1753.2/73$

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: 59.466 $\pm$ 0.221 χ^2/NDF :2315.8/19

Right Out: 81.923 $\pm$ 0.592 χ^2/NDF : 1570.6/18

Left In: 61.530 $\pm$ 0.230 χ^2/NDF :1200.5/17

Left: 60.458 $\pm$ 0.159 χ^2/NDF : 3558.3/37

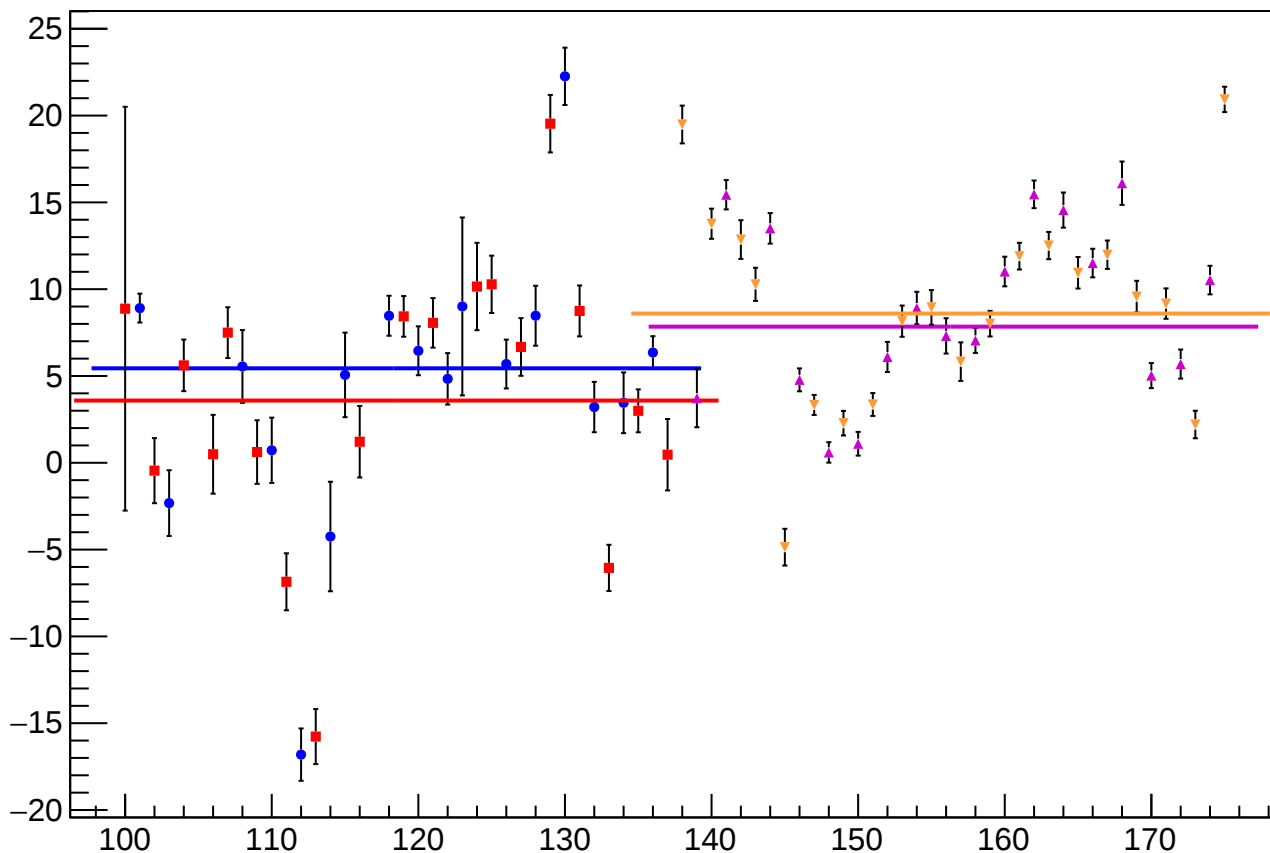
Right: 79.162 $\pm$ 0.412 χ^2/NDF : 3866.3/35

In: 63.607 $\pm$ 0.213 χ^2/NDF :4047.5/34

Out: 62.209 $\pm$ 0.207 χ^2/NDF :5150.0/38

All: 62.887 $\pm$ 0.148 χ^2/NDF : 9219.7/73

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.442 ± 0.357 $\chi^2/\text{NDF}: 387.5/16$

Left Out: 8.597 ± 0.185 $\chi^2/\text{NDF}: 967.3/19$

Right Out: 3.585 ± 0.375 $\chi^2/\text{NDF}: 423.2/18$

Left In: 7.843 ± 0.194 $\chi^2/\text{NDF}: 651.2/17$

Left: 8.237 ± 0.134 $\chi^2/\text{NDF}: 1626.4/37$

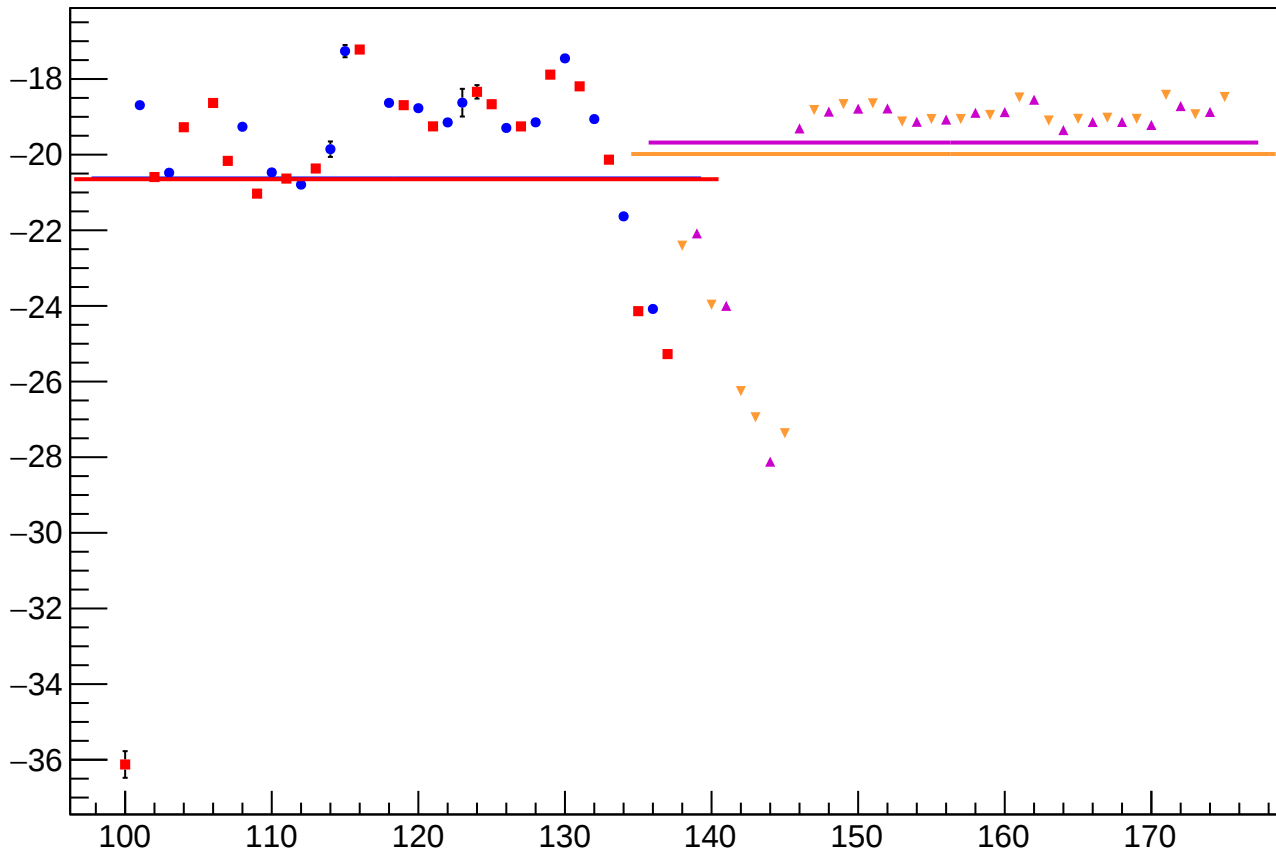
Right: 4.559 ± 0.259 $\chi^2/\text{NDF}: 823.5/35$

In: 7.297 ± 0.170 $\chi^2/\text{NDF}: 1073.5/34$

Out: 7.616 ± 0.166 $\chi^2/\text{NDF}: 1534.0/38$

All: 7.460 ± 0.119 $\chi^2/\text{NDF}: 2609.3/73$

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.630+/-0.019 χ^2/NDF : 12490.5/16

Left Out: -19.983+/-0.009 χ^2/NDF : 84237.8/19

Right Out: -20.650+/-0.019 χ^2/NDF : 13885.7/18

Left In: -19.680+/-0.009 χ^2/NDF : 50689.5/17

Left: -19.834+/-0.006 χ^2/NDF : 135507.5/37

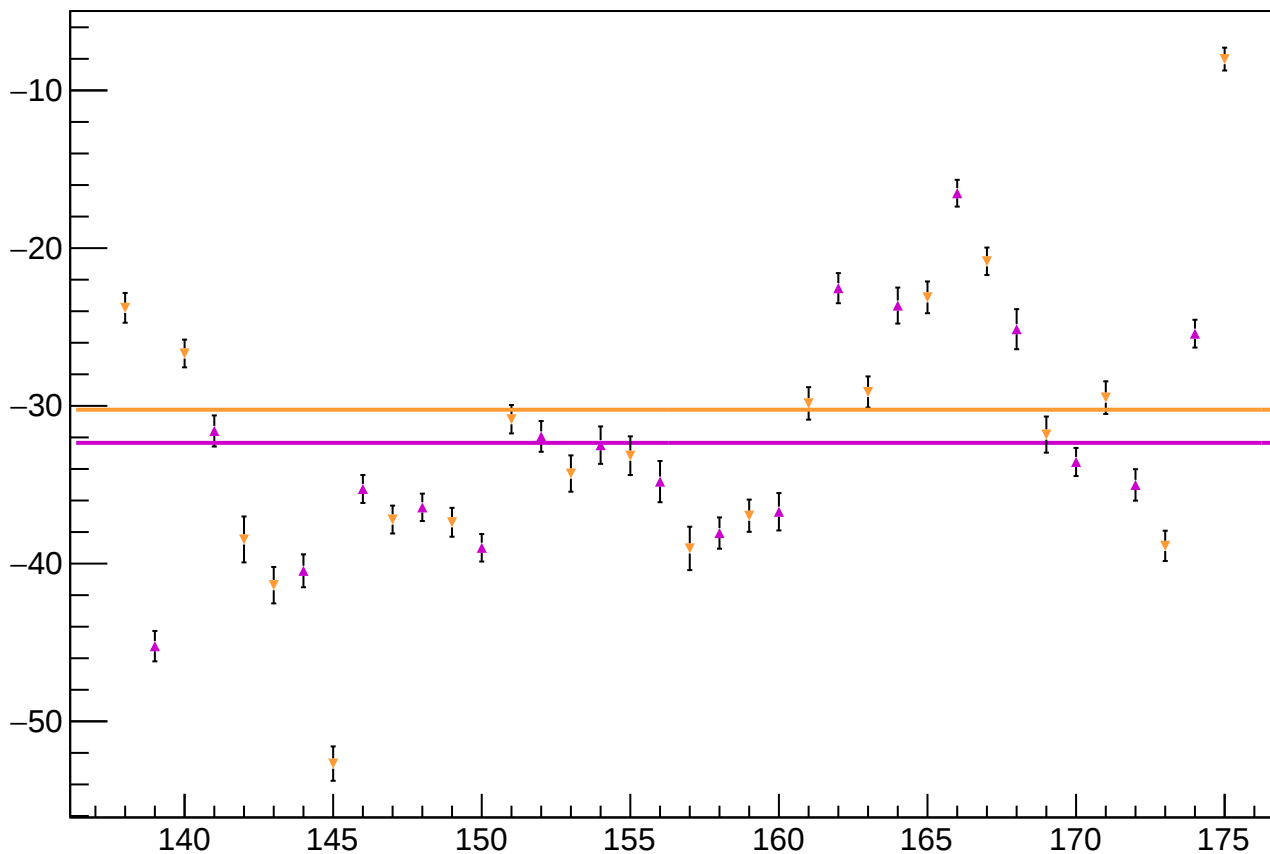
Right: -20.640+/-0.014 χ^2/NDF : 26376.6/35

In: -19.849+/-0.008 χ^2/NDF : 65176.6/34

Out: -20.097+/-0.008 χ^2/NDF : 99098.6/38

All: -19.975+/-0.006 χ^2/NDF : 164744.3/73

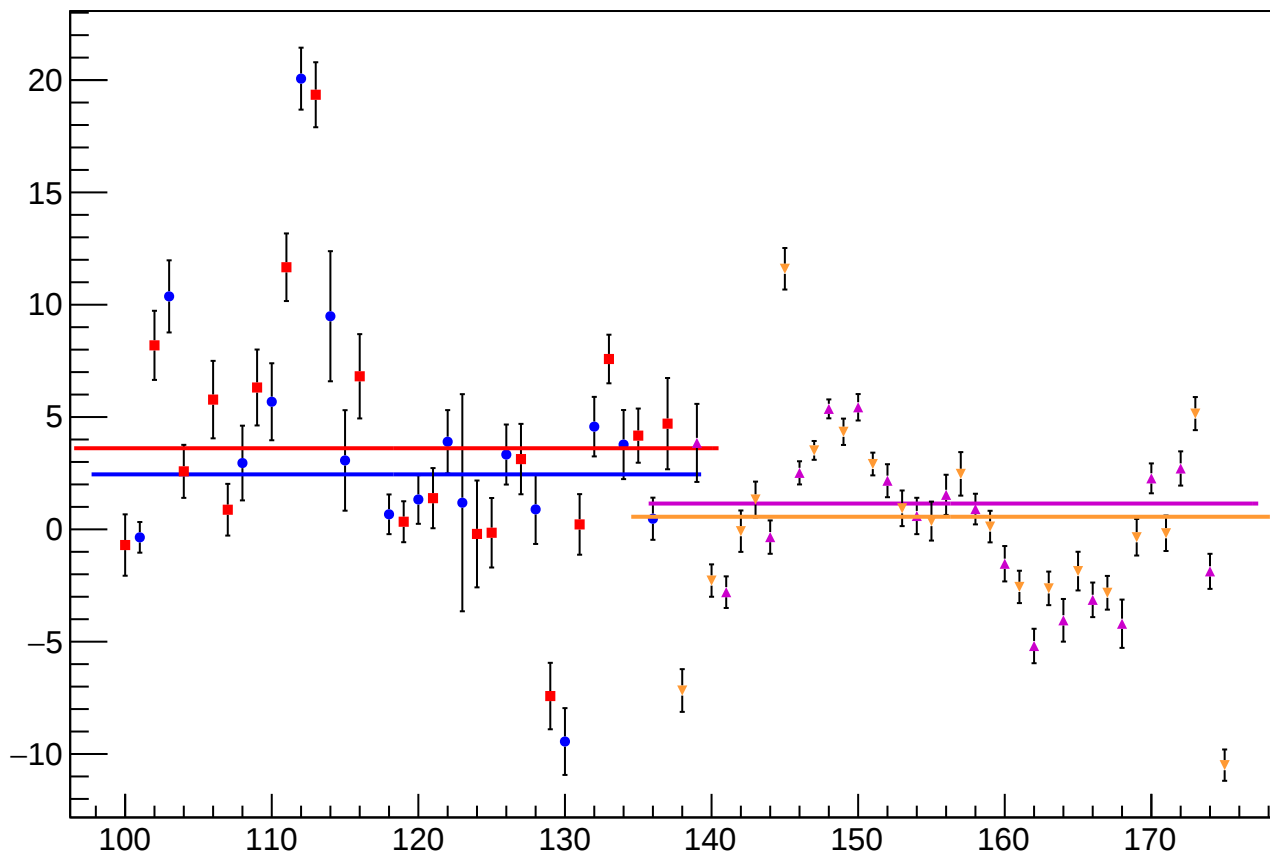
reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -30.244+/-0.223 χ^2/NDF :2032.2/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -32.345+/-0.233 χ^2/NDF :995.8/17

Left: -31.250+/-0.161 χ^2/NDF : 3070.4/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -32.345+/-0.233 χ^2/NDF :995.8/17
 Out: -30.244+/-0.223 χ^2/NDF :2032.2/19
 All: -31.250+/-0.161 χ^2/NDF : 3070.4/37

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.448 ± 0.311 $\chi^2/\text{NDF}: 293.4/16$

Left Out: 0.561 ± 0.159 $\chi^2/\text{NDF}: 700.8/19$

Right Out: 3.611 ± 0.318 $\chi^2/\text{NDF}: 279.4/18$

Left In: 1.149 ± 0.167 $\chi^2/\text{NDF}: 388.3/17$

Left: 0.841 ± 0.115 $\chi^2/\text{NDF}: 1095.6/37$

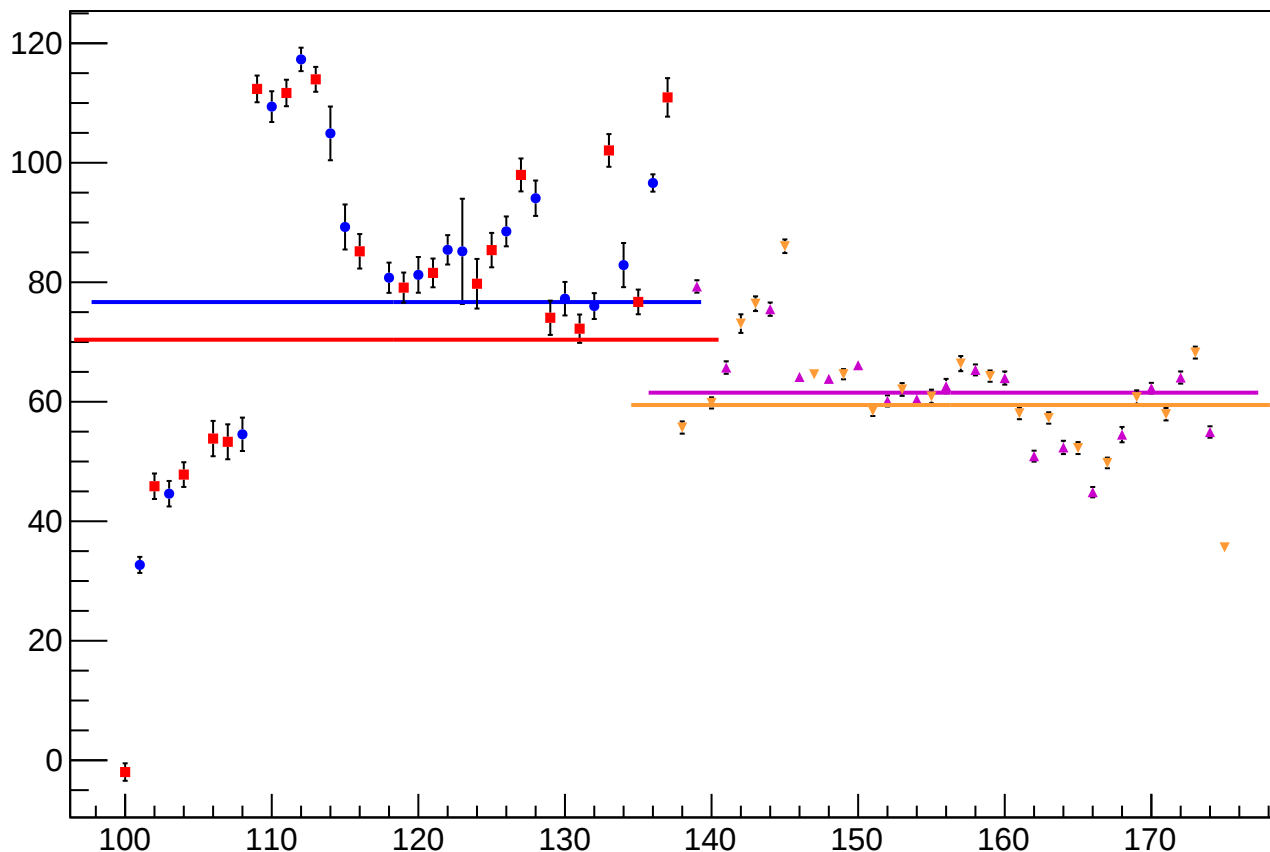
Right: 3.017 ± 0.223 $\chi^2/\text{NDF}: 579.6/35$

In: 1.440 ± 0.147 $\chi^2/\text{NDF}: 695.2/34$

Out: 1.173 ± 0.143 $\chi^2/\text{NDF}: 1053.7/38$

All: 1.302 ± 0.102 $\chi^2/\text{NDF}: 1750.6/73$

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: 59.455 $\pm$ 0.221 χ^2 /NDF:2309.7/19

Right Out: 70.386 $\pm$ 0.550 χ^2 /NDF: 4391.1/18

Left In: 61.521 $\pm$ 0.230 χ^2 /NDF:1196.3/17

Left: 60.448 $\pm$ 0.159 χ^2 /NDF: 3548.1/37

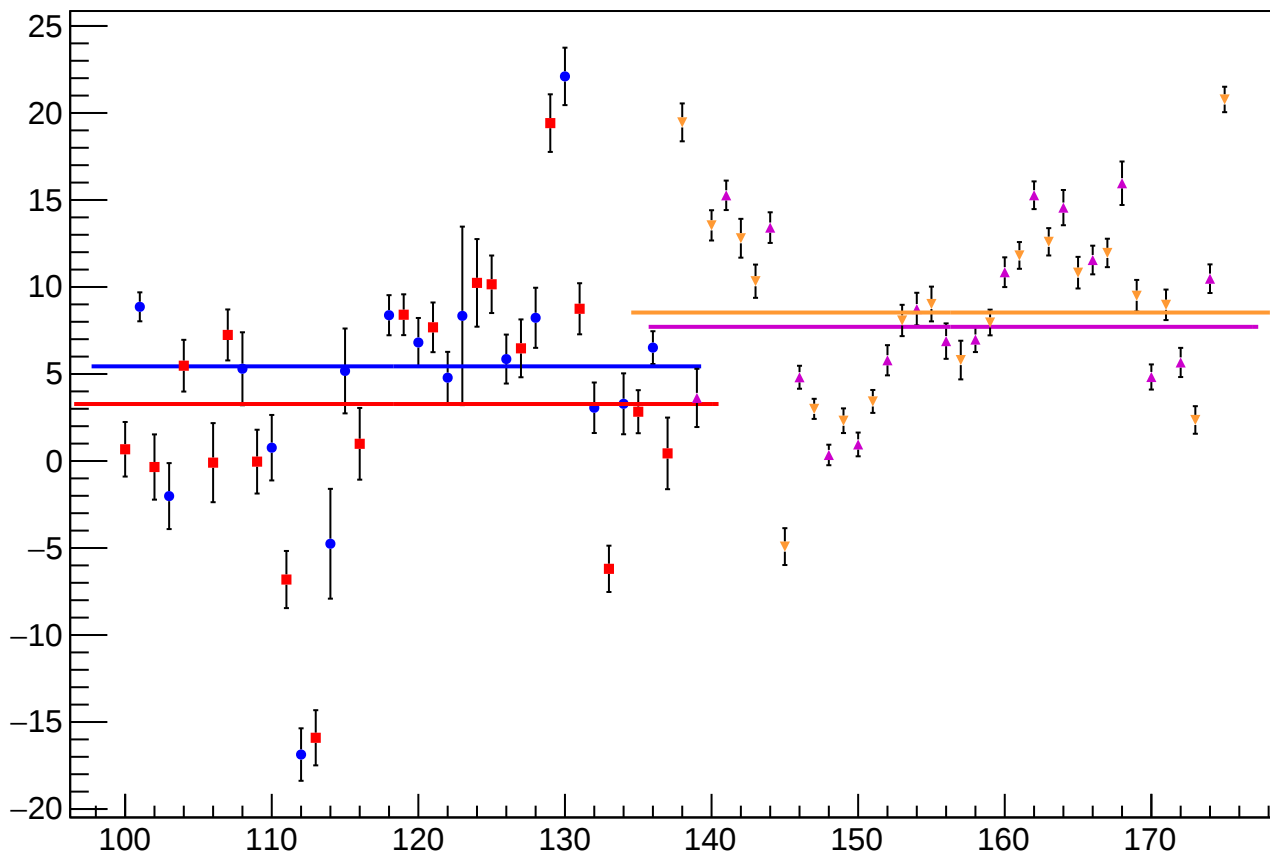
Right: 73.402 $\pm$ 0.397 χ^2 /NDF: 6719.1/35

In: 63.616 $\pm$ 0.213 χ^2 /NDF:4063.8/34

Out: 60.974 $\pm$ 0.205 χ^2 /NDF:7041.3/38

All: 62.243 $\pm$ 0.148 χ^2 /NDF: 11184.9/73

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Left: 8.140 $\pm$ 0.134 χ^2/NDF : 1627.2/37

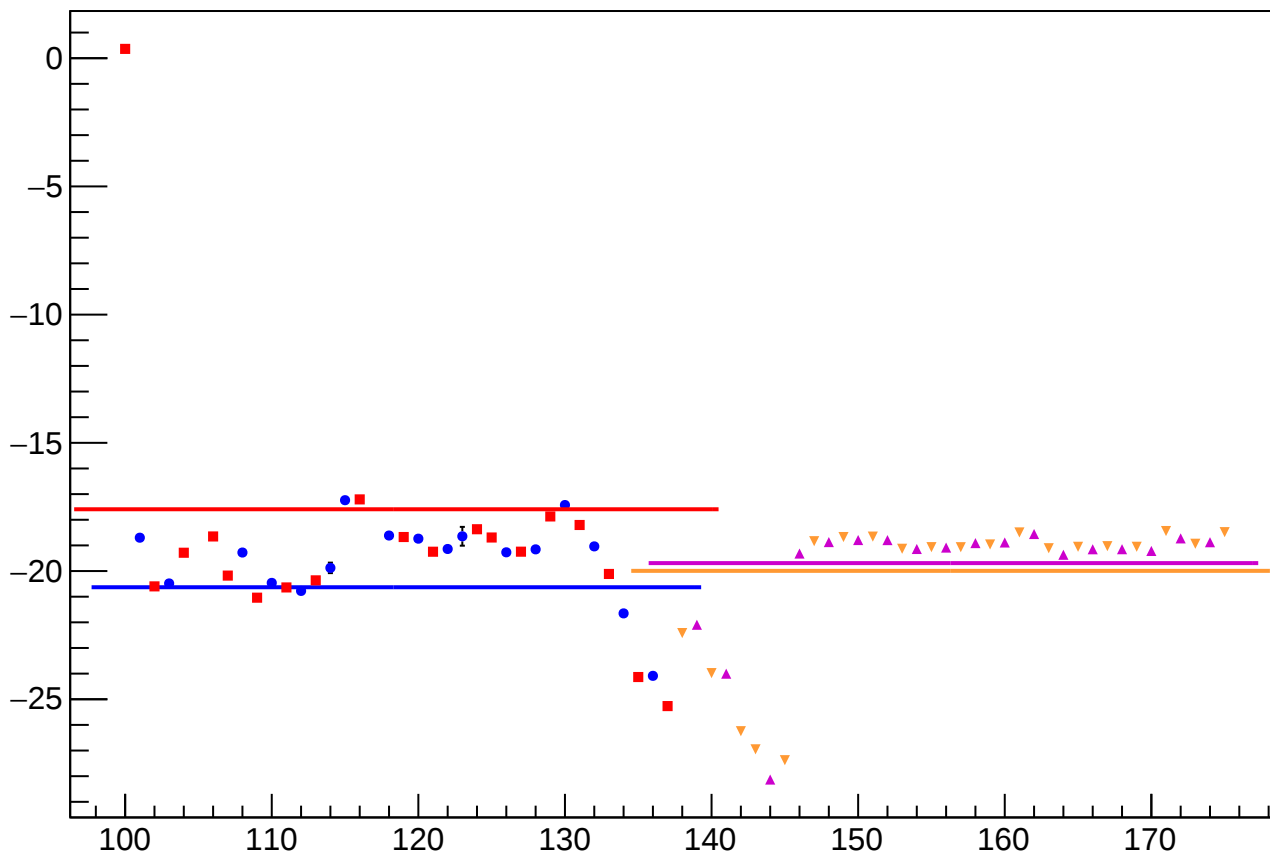
Right: 4.381 $\pm$ 0.256 χ^2/NDF : 829.6/35

In: 7.194 $\pm$ 0.170 χ^2/NDF : 1073.7/34

Out: 7.457 $\pm$ 0.165 χ^2/NDF : 1551.8/38

All: 7.329 $\pm$ 0.119 χ^2/NDF : 2626.7/73

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.632 $\pm$ 0.019 χ^2/NDF : 12530.8/16

Left Out: -19.992 $\pm$ 0.009 χ^2/NDF : 84090.0/19

Right Out: -17.591 $\pm$ 0.018 χ^2/NDF : 178680.7/18

Left In: -19.690 $\pm$ 0.009 χ^2/NDF : 50632.3/17

Left: -19.844 $\pm$ 0.006 χ^2/NDF : 135298.2/37

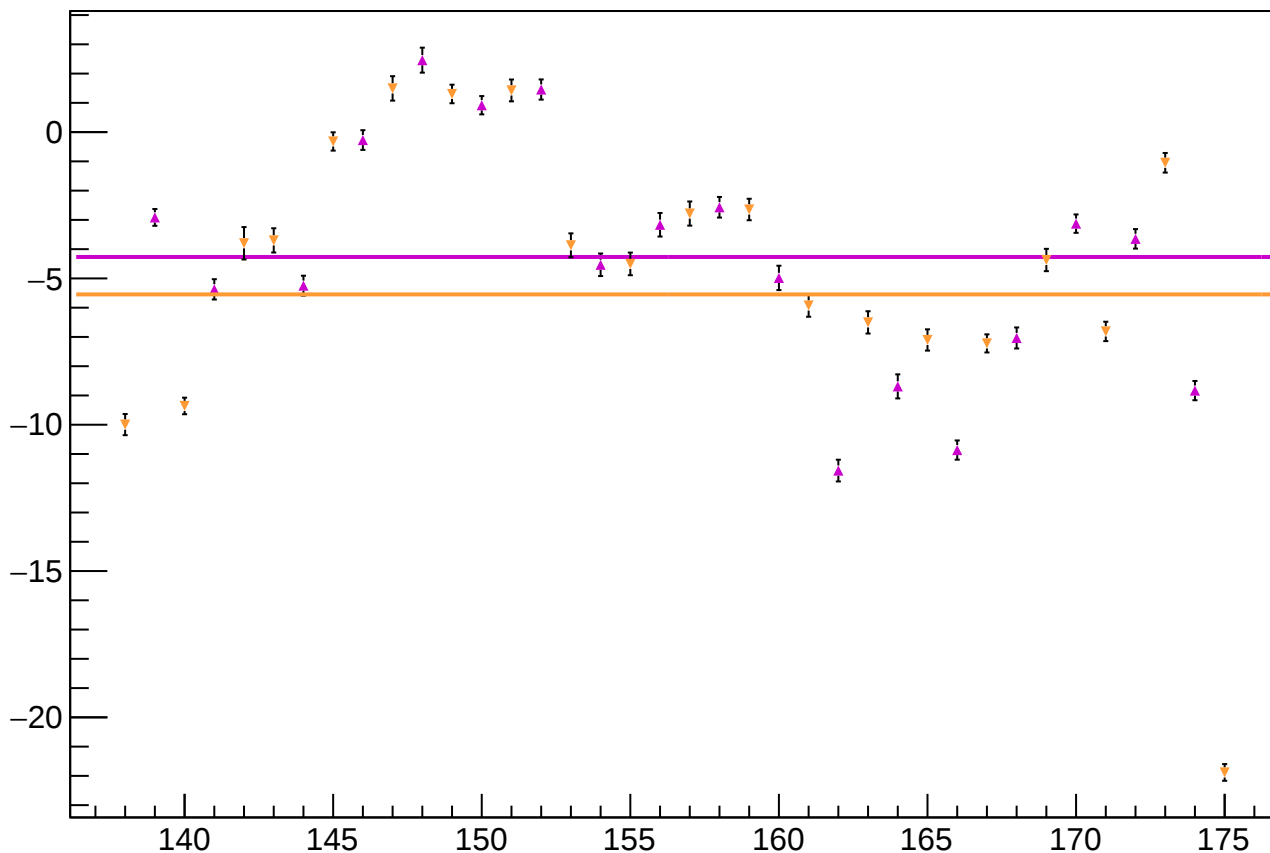
Right: -19.007 $\pm$ 0.013 χ^2/NDF : 204486.4/35

In: -19.858 $\pm$ 0.008 χ^2/NDF : 65119.9/34

Out: -19.528 $\pm$ 0.008 χ^2/NDF : 277108.4/38

All: -19.688 $\pm$ 0.006 χ^2/NDF : 343072.5/73

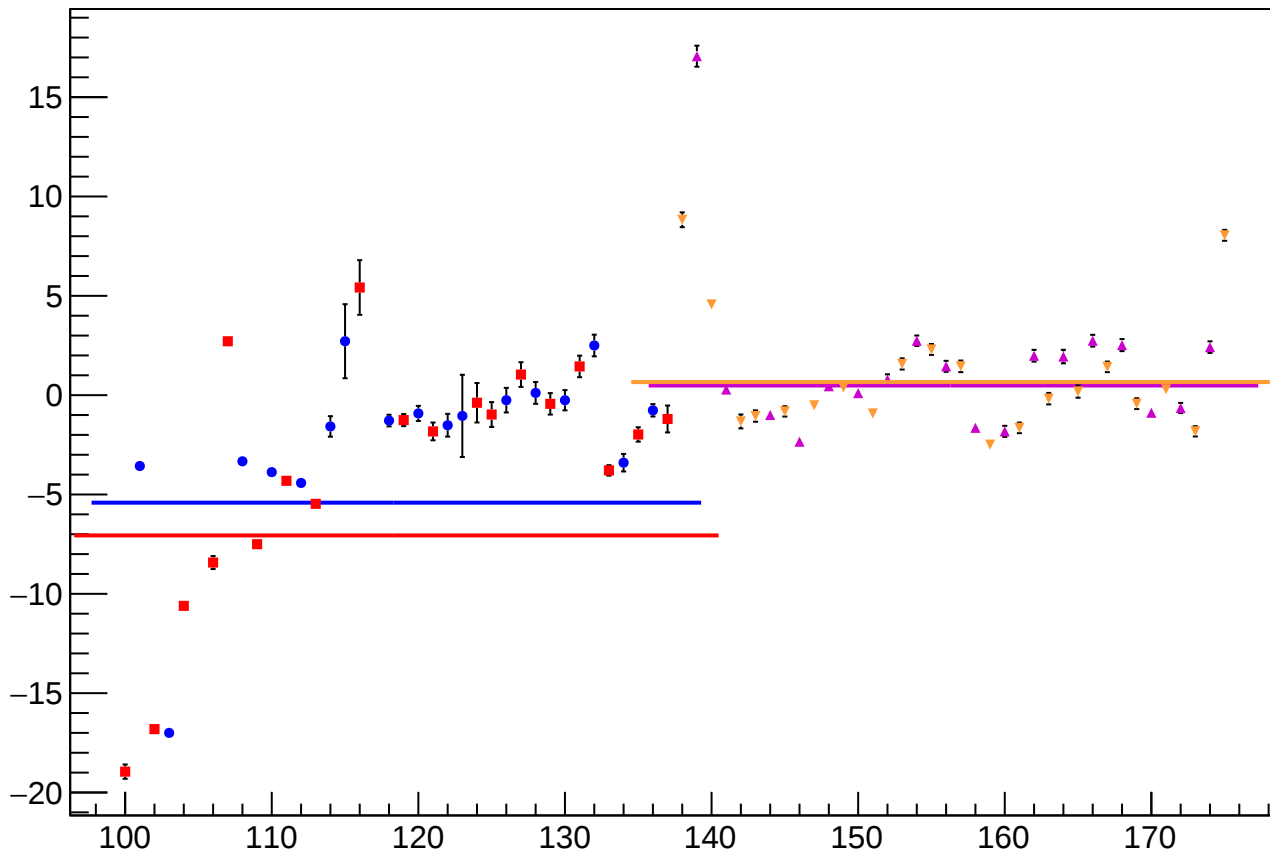
reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -5.546+/-0.080 χ^2/NDF :5400.7/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -4.267+/-0.082 χ^2/NDF :2187.0/17

Left: -4.927+/-0.057 χ^2/NDF : 7712.1/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -4.267+/-0.082 χ^2/NDF :2187.0/17
 Out: -5.546+/-0.080 χ^2/NDF :5400.7/19
 All: -4.927+/-0.057 χ^2/NDF : 7712.1/37

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.411 $\pm$ 0.055 χ^2/NDF : 9261.2/16

Left Out: 0.659 $\pm$ 0.059 χ^2/NDF : 2072.9/19

Right Out: -7.060 $\pm$ 0.059 χ^2/NDF : 12329.4/18

Left In: 0.487 $\pm$ 0.062 χ^2/NDF : 1674.7/17

Left: 0.577 $\pm$ 0.043 χ^2/NDF : 3751.7/37

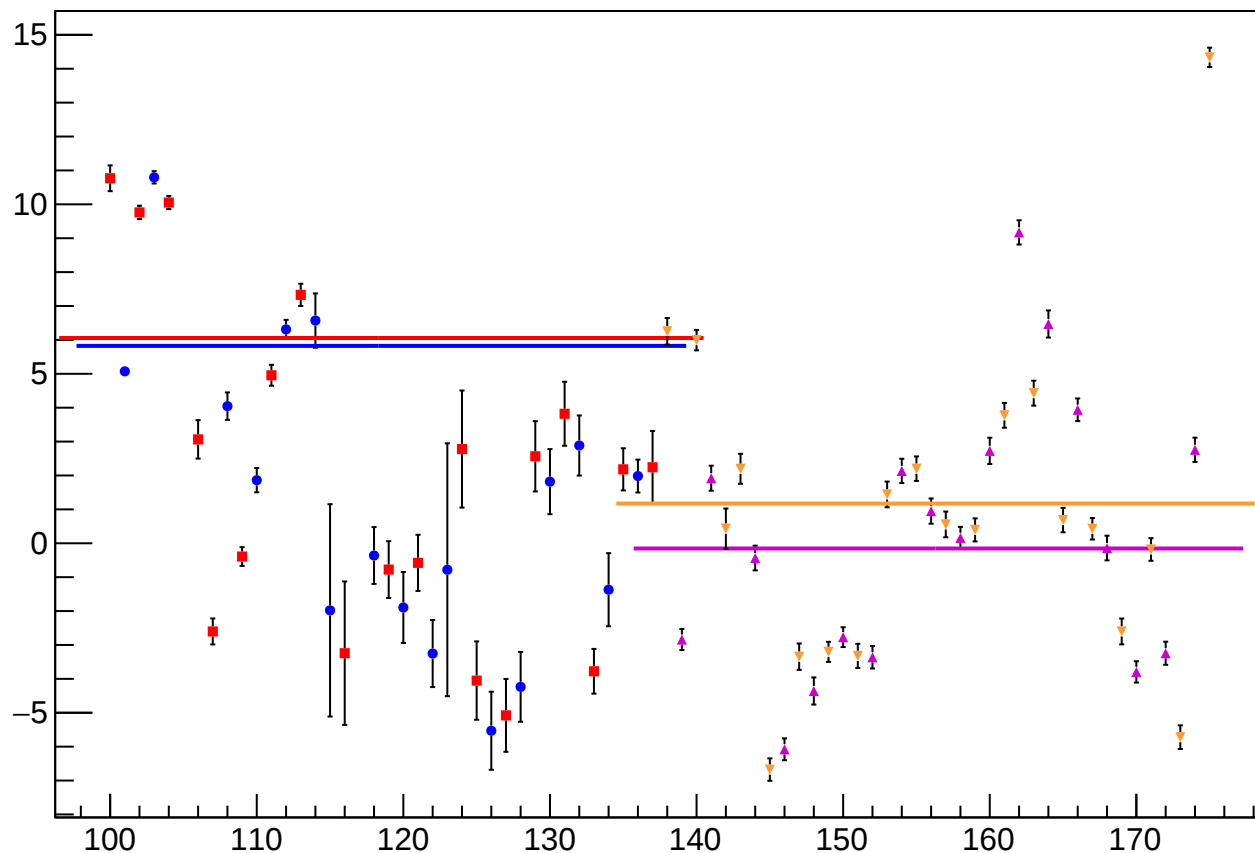
Right: -6.173 $\pm$ 0.040 χ^2/NDF : 22010.3/35

In: -2.814 $\pm$ 0.041 χ^2/NDF : 16048.1/34

Out: -3.179 $\pm$ 0.042 χ^2/NDF : 22997.6/38

All: -2.993 $\pm$ 0.029 χ^2/NDF : 39084.7/73

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.824 ± 0.090 χ^2/NDF : 1452.6/16

Left Out: 1.172 ± 0.079 χ^2/NDF : 4287.9/19

Right Out: 6.056 ± 0.093 χ^2/NDF : 2668.9/18

Left In: -0.154 ± 0.082 χ^2/NDF : 2218.3/17

Left: 0.529 ± 0.057 χ^2/NDF : 6642.3/37

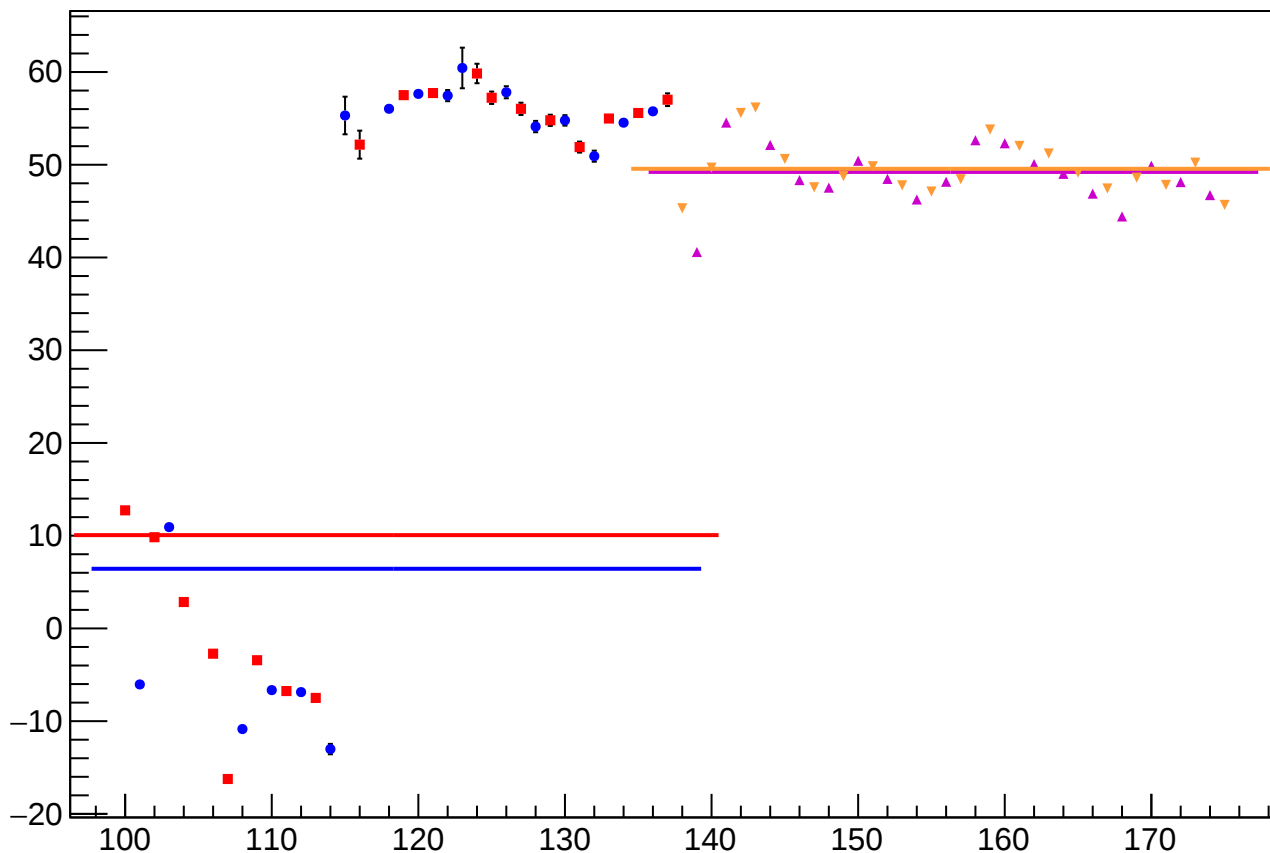
Right: 5.935 ± 0.065 χ^2/NDF : 4124.7/35

In: 2.557 ± 0.060 χ^2/NDF : 6104.5/34

Out: 3.216 ± 0.060 χ^2/NDF : 8549.4/38

All: 2.886 ± 0.043 χ^2/NDF : 14713.6/73

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: 49.565 ± 0.067 $\chi^2/\text{NDF}: 1499.7/19$

Right Out: 10.060 ± 0.070 $\chi^2/\text{NDF}: 121816.0/18$

Left In: 49.227 ± 0.070 $\chi^2/\text{NDF}: 1506.6/17$

Left: 49.403 ± 0.049 $\chi^2/\text{NDF}: 3018.3/37$

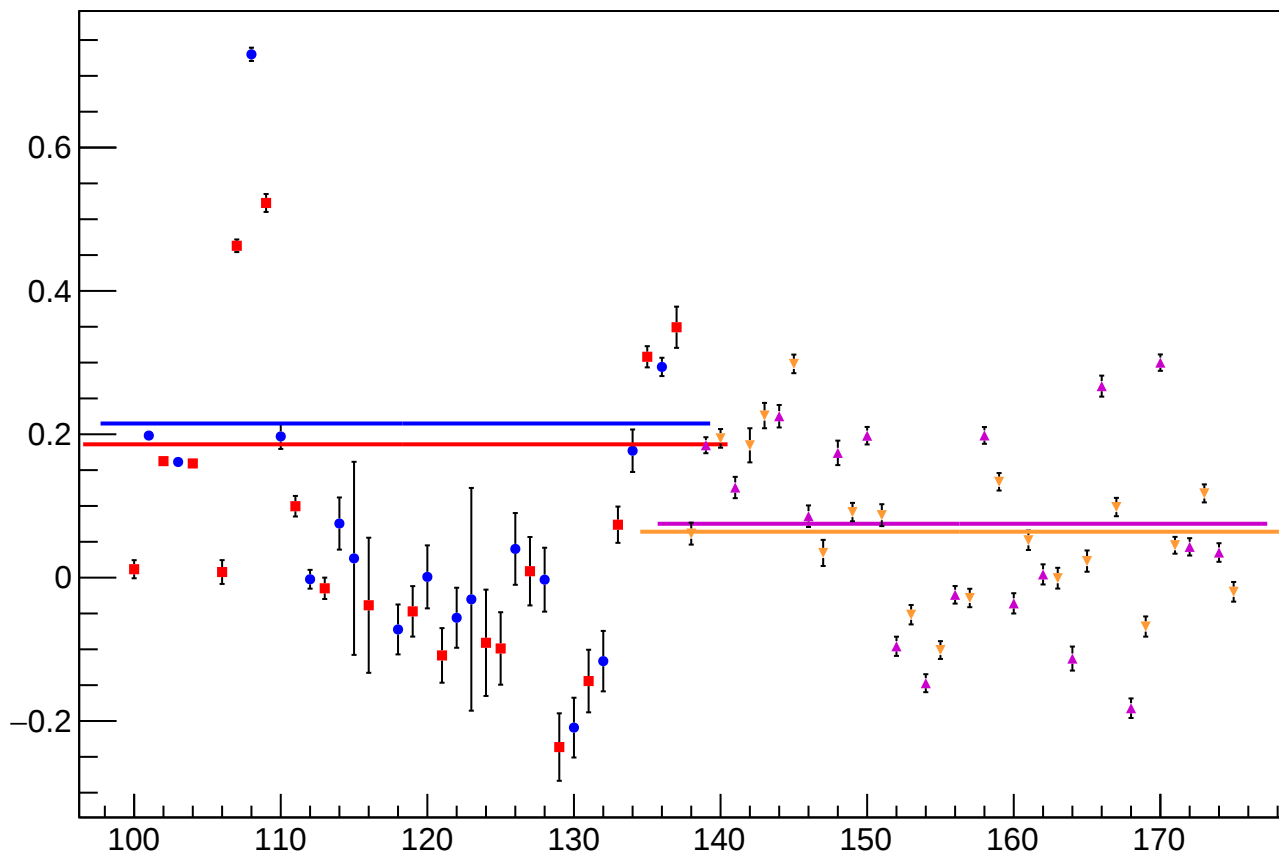
Right: 8.110 ± 0.047 $\chi^2/\text{NDF}: 246756.9/35$

In: 26.041 ± 0.048 $\chi^2/\text{NDF}: 325459.7/34$

Out: 30.524 ± 0.048 $\chi^2/\text{NDF}: 289522.5/38$

All: 28.245 ± 0.034 $\chi^2/\text{NDF}: 619338.6/73$

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215 ± 0.003 χ^2/NDF : 3930.1/16

Left Out: 0.064 ± 0.003 χ^2/NDF : 1061.4/19

Right Out: 0.186 ± 0.003 χ^2/NDF : 2720.3/18

Left In: 0.075 ± 0.003 χ^2/NDF : 2131.2/17

Left: 0.070 ± 0.002 χ^2/NDF : 3198.9/37

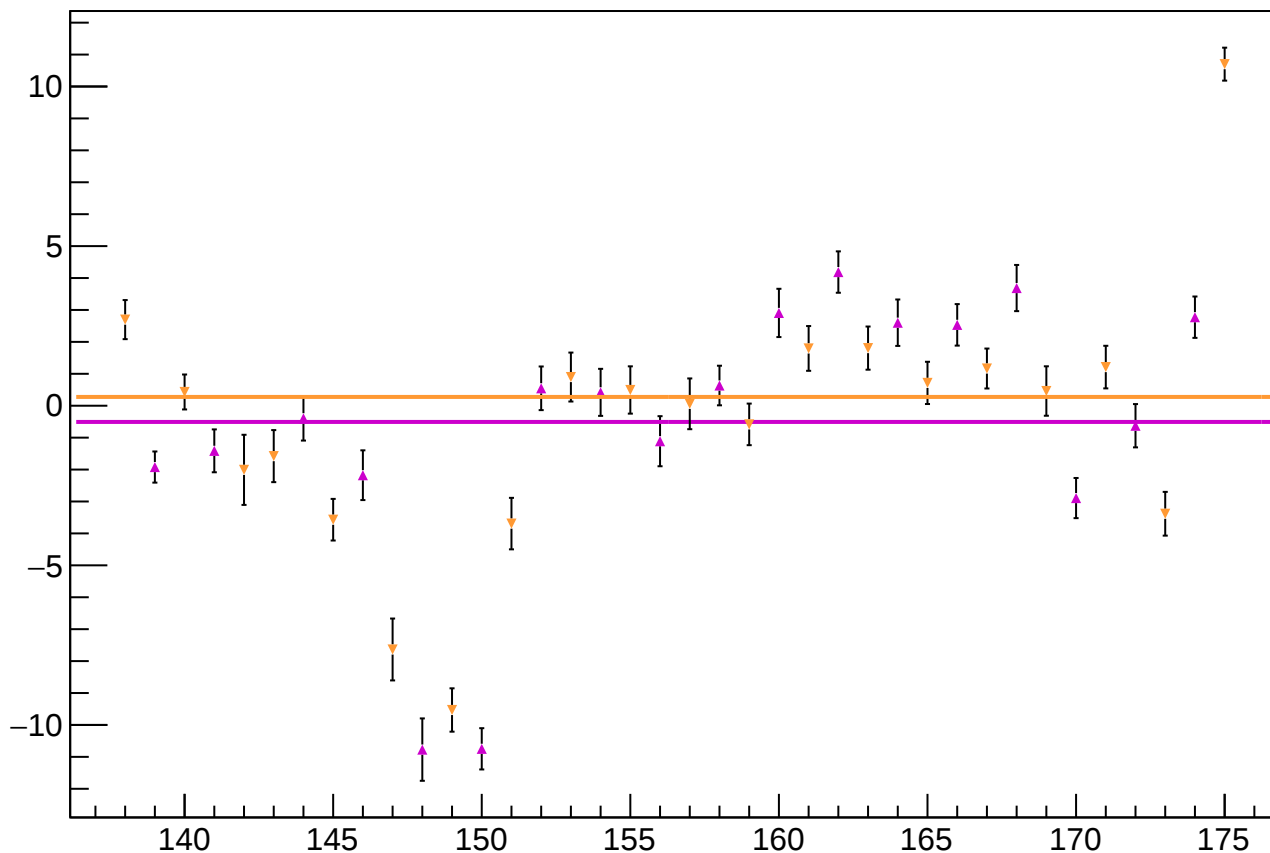
Right: 0.200 ± 0.002 χ^2/NDF : 6707.1/35

In: 0.154 ± 0.002 χ^2/NDF : 7176.0/34

Out: 0.134 ± 0.002 χ^2/NDF : 4664.3/38

All: 0.144 ± 0.001 χ^2/NDF : 11888.9/73

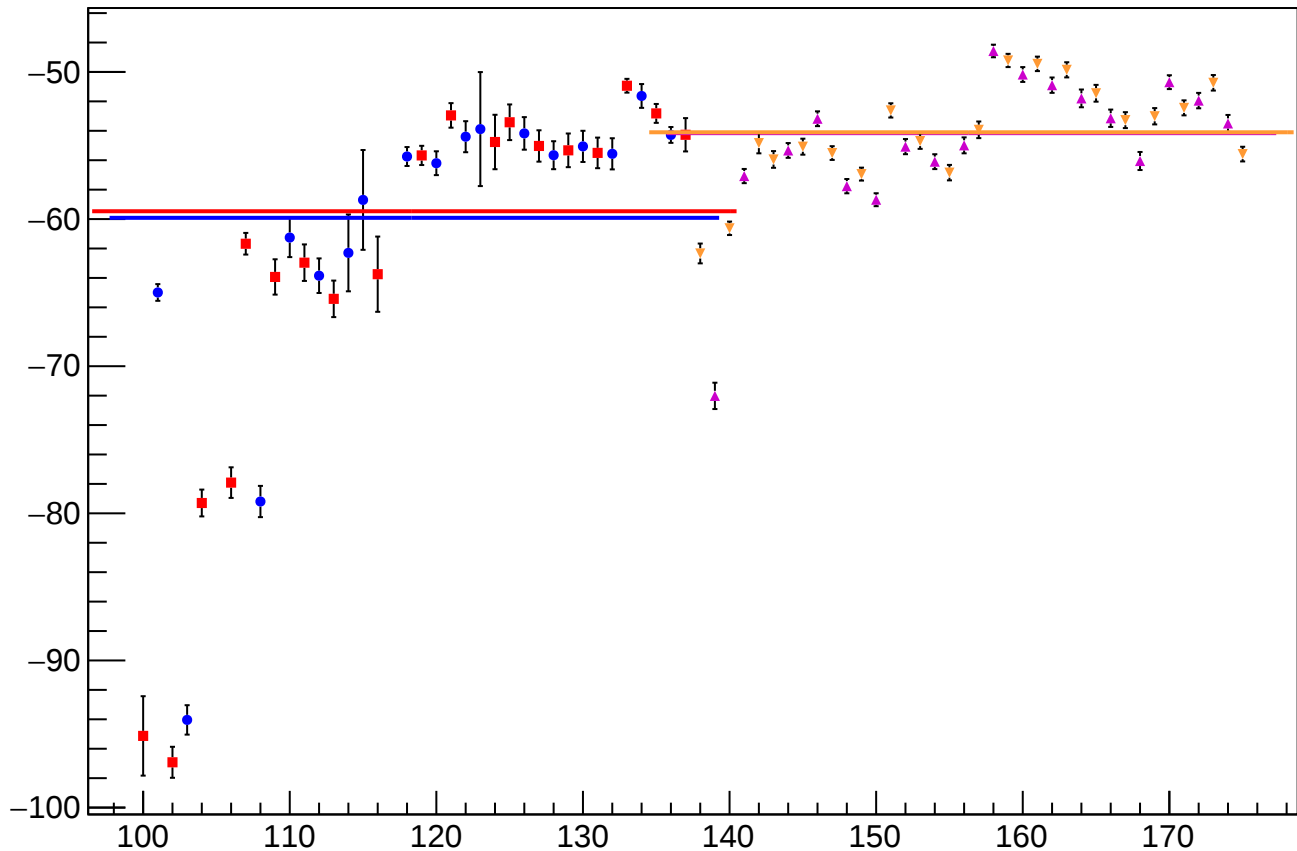
reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: 0.275 ± 0.155 $\chi^2/\text{NDF}: 812.6/19$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -0.508 ± 0.160 $\chi^2/\text{NDF}: 570.7/17$

Left: -0.104 ± 0.111 $\chi^2/\text{NDF}: 1395.7/37$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 In: -0.508 ± 0.160 $\chi^2/\text{NDF}: 570.7/17$
 Out: 0.275 ± 0.155 $\chi^2/\text{NDF}: 812.6/19$
 All: -0.104 ± 0.111 $\chi^2/\text{NDF}: 1395.7/37$

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -59.914 ± 0.223 χ^2/NDF : 1979.5/16

Left Out: -54.100 ± 0.116 χ^2/NDF : 819.8/19

Right Out: -59.468 ± 0.212 χ^2/NDF : 2912.7/18

Left In: -54.160 ± 0.123 χ^2/NDF : 996.7/17

Left: -54.129 ± 0.084 χ^2/NDF : 1816.7/37

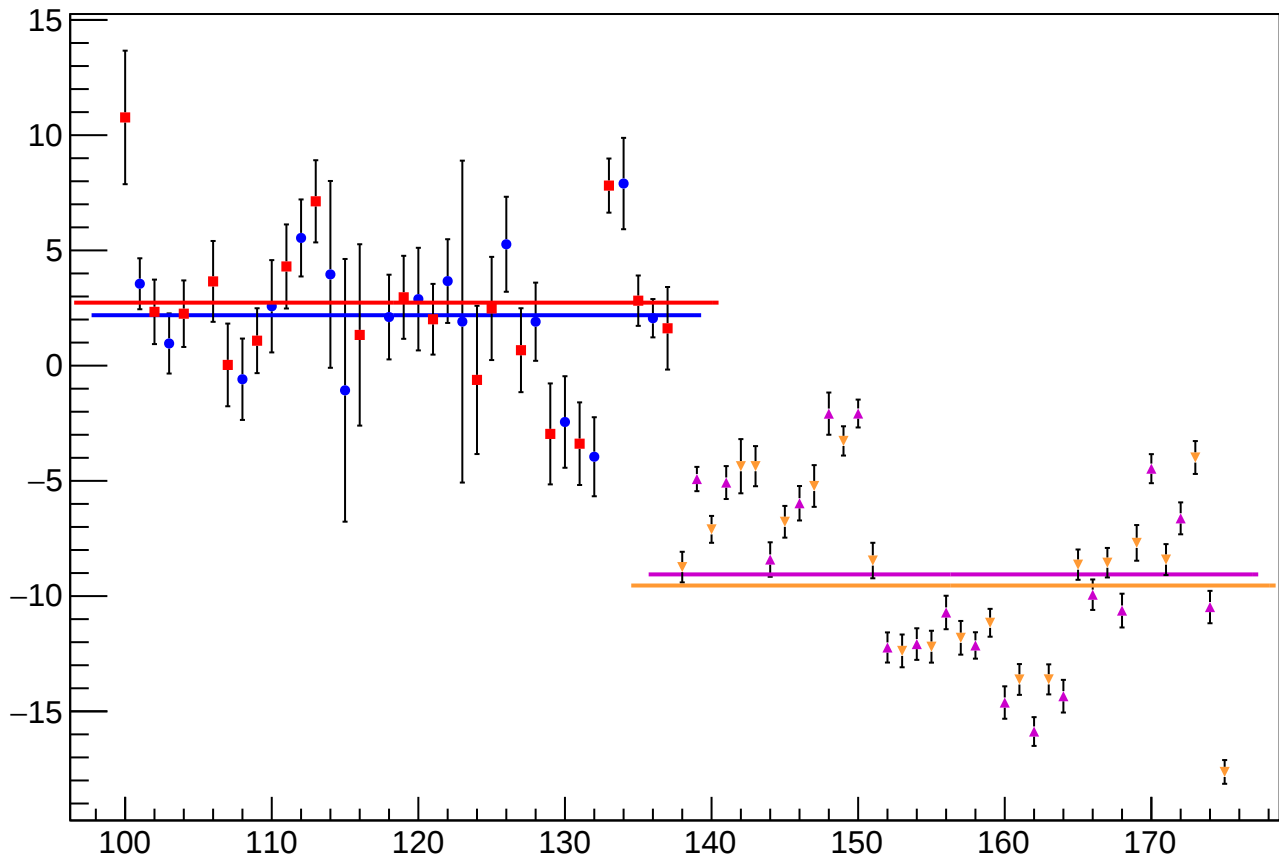
Right: -59.680 ± 0.154 χ^2/NDF : 4894.3/35

In: -55.498 ± 0.108 χ^2/NDF : 3487.3/34

Out: -55.342 ± 0.102 χ^2/NDF : 4224.9/38

All: -55.416 ± 0.074 χ^2/NDF : 7713.3/73

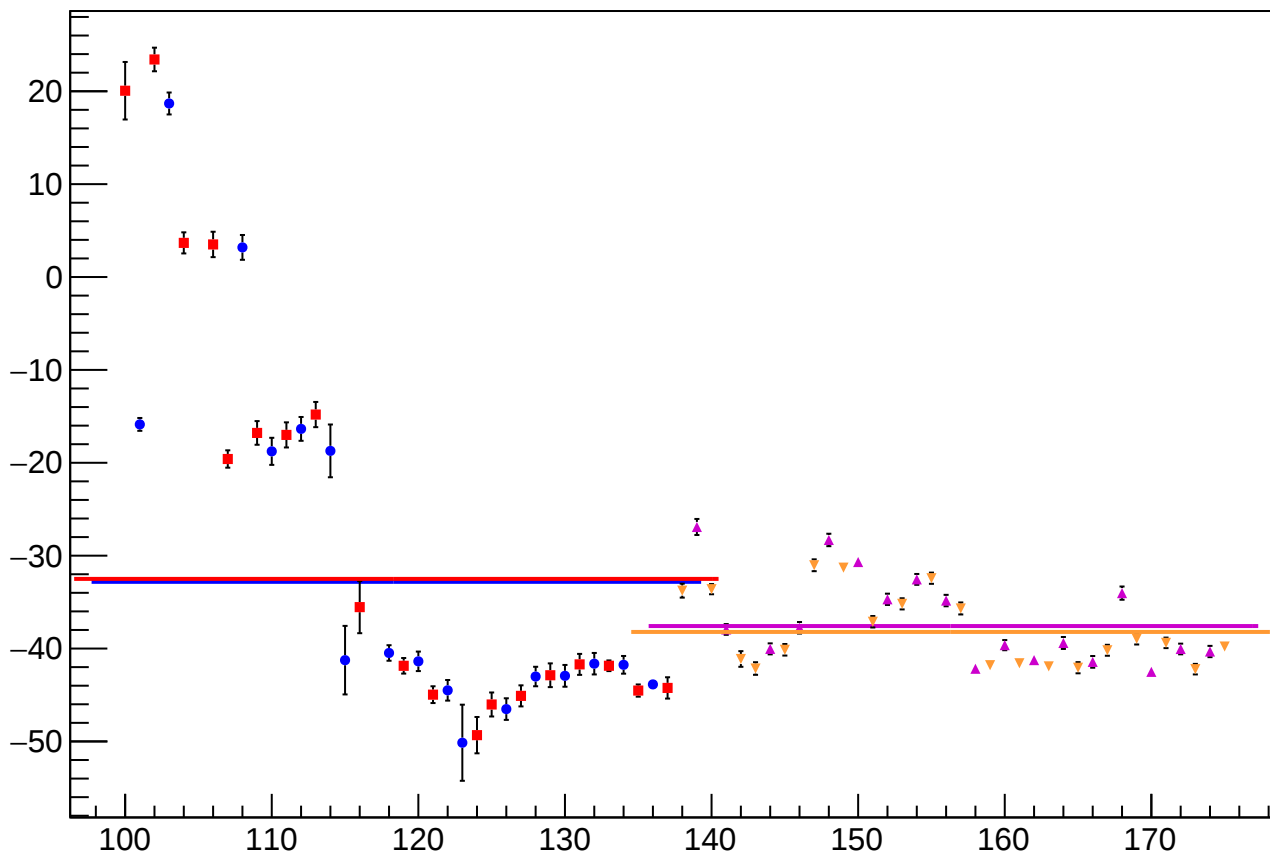
reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.188 ± 0.404 $\chi^2/\text{NDF}: 39.1/16$
 Left Out: -9.541 ± 0.154 $\chi^2/\text{NDF}: 655.7/19$
 Right Out: 2.733 ± 0.388 $\chi^2/\text{NDF}: 58.9/18$
 Left In: -9.059 ± 0.158 $\chi^2/\text{NDF}: 692.2/17$

Left: -9.307 ± 0.110 $\chi^2/\text{NDF}: 1352.7/37$
 Right: 2.472 ± 0.280 $\chi^2/\text{NDF}: 98.9/35$
 In: -7.560 ± 0.148 $\chi^2/\text{NDF}: 1402.7/34$
 Out: -7.875 ± 0.143 $\chi^2/\text{NDF}: 1581.1/38$
 All: -7.723 ± 0.103 $\chi^2/\text{NDF}: 2986.1/73$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.817 ± 0.254 $\chi^2/\text{NDF}: 4666.6/16$

Left Out: -38.212 ± 0.132 $\chi^2/\text{NDF}: 856.0/19$

Right Out: -32.501 ± 0.244 $\chi^2/\text{NDF}: 6037.9/18$

Left In: -37.578 ± 0.138 $\chi^2/\text{NDF}: 1027.4/17$

Left: -37.910 ± 0.095 $\chi^2/\text{NDF}: 1894.4/37$

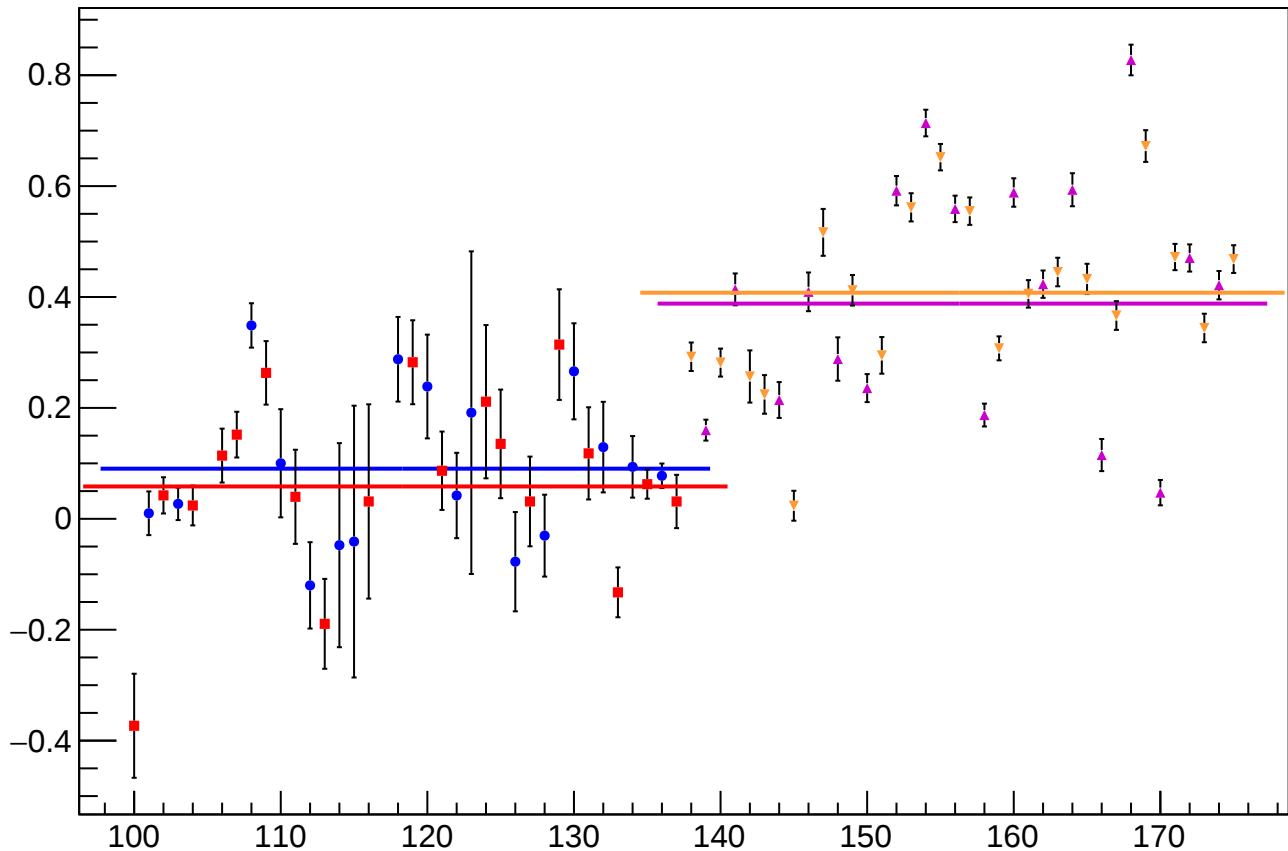
Right: -32.652 ± 0.176 $\chi^2/\text{NDF}: 10705.2/35$

In: -36.489 ± 0.121 $\chi^2/\text{NDF}: 5965.0/34$

Out: -36.919 ± 0.116 $\chi^2/\text{NDF}: 7317.8/38$

All: -36.714 ± 0.084 $\chi^2/\text{NDF}: 13289.4/73$

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: 0.408 $\pm$ 0.006 χ^2 /NDF:613.3/19

Right Out: 0.058 $\pm$ 0.012 χ^2 /NDF: 87.3/18

Left In: 0.388 $\pm$ 0.006 χ^2 /NDF:1295.8/17

Left: 0.398 $\pm$ 0.004 χ^2 /NDF: 1914.4/37

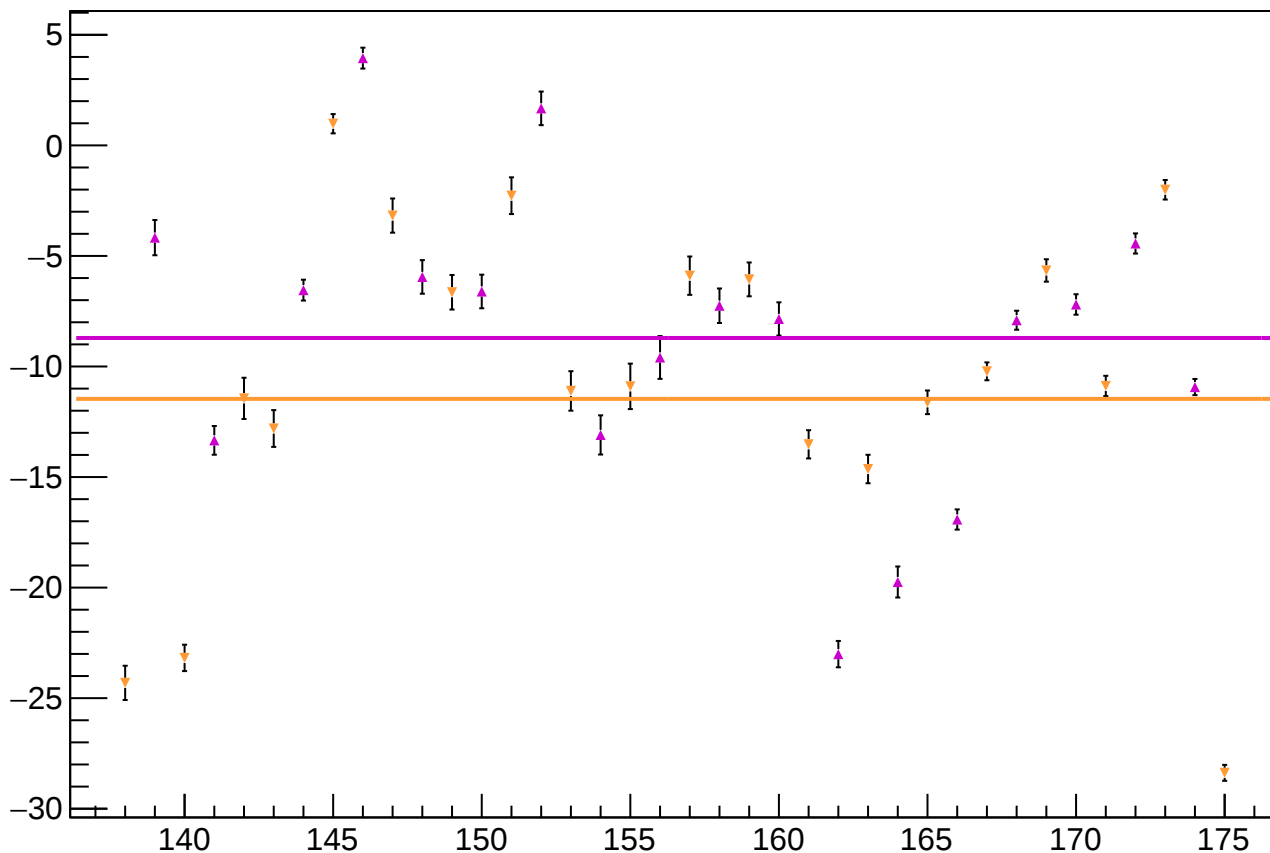
Right: 0.074 $\pm$ 0.009 χ^2 /NDF: 169.9/35

In: 0.333 $\pm$ 0.005 χ^2 /NDF:1821.3/34

Out: 0.339 $\pm$ 0.005 χ^2 /NDF:1365.6/38

All: 0.336 $\pm$ 0.004 χ^2 /NDF: 3187.5/73

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: -11.465+/-0.131 χ^2/NDF :4684.0/19

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

Left In: -8.710+/-0.134 χ^2/NDF :2342.9/17

Left: -10.116+/-0.094 χ^2/NDF : 7243.5/37

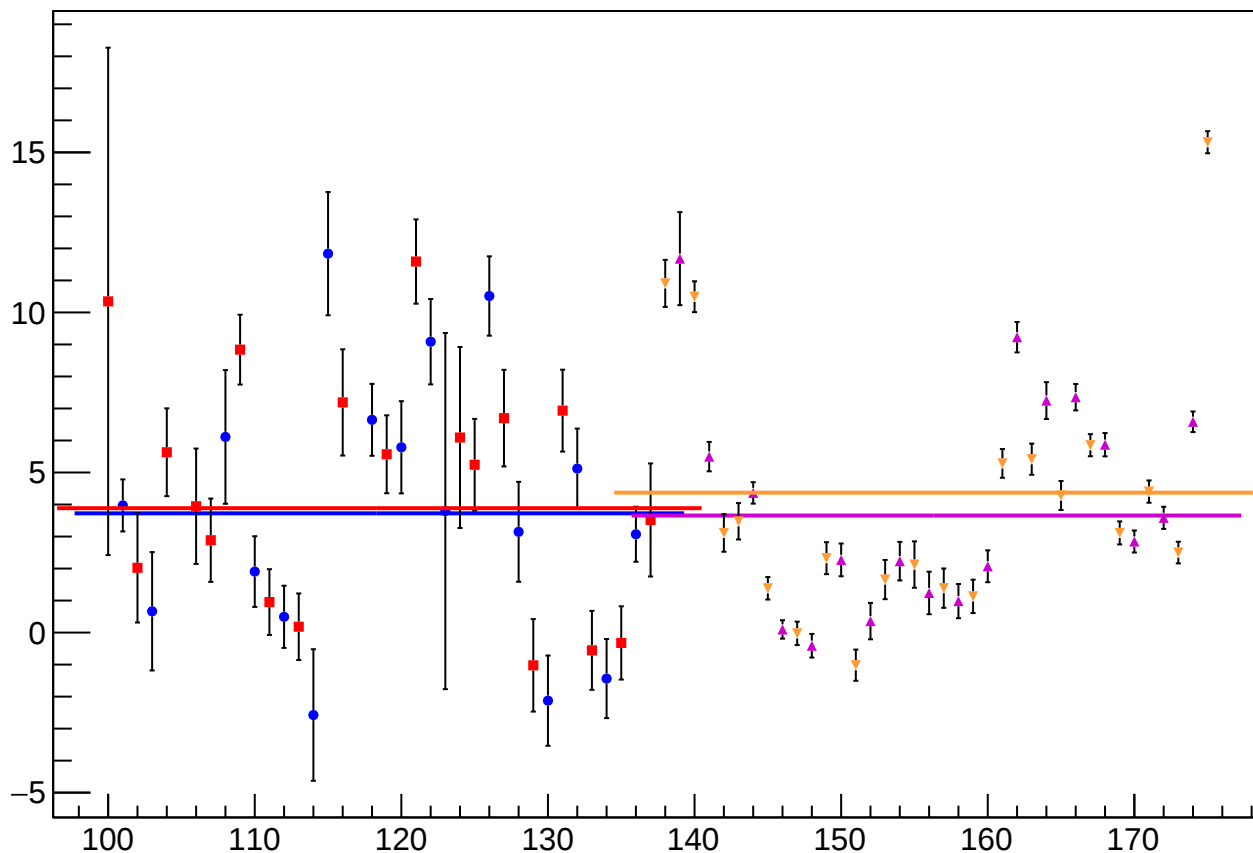
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -8.710+/-0.134 χ^2/NDF :2342.9/17

Out: -11.465+/-0.131 χ^2/NDF :4684.0/19

All: -10.116+/-0.094 χ^2/NDF : 7243.5/37

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.725 ± 0.308 $\chi^2/\text{NDF}: 136.8/16$

Left Out: 4.371 ± 0.099 $\chi^2/\text{NDF}: 1773.6/19$

Right Out: 3.885 ± 0.316 $\chi^2/\text{NDF}: 134.4/18$

Left In: 3.656 ± 0.100 $\chi^2/\text{NDF}: 803.7/17$

Left: 4.017 ± 0.070 $\chi^2/\text{NDF}: 2603.2/37$

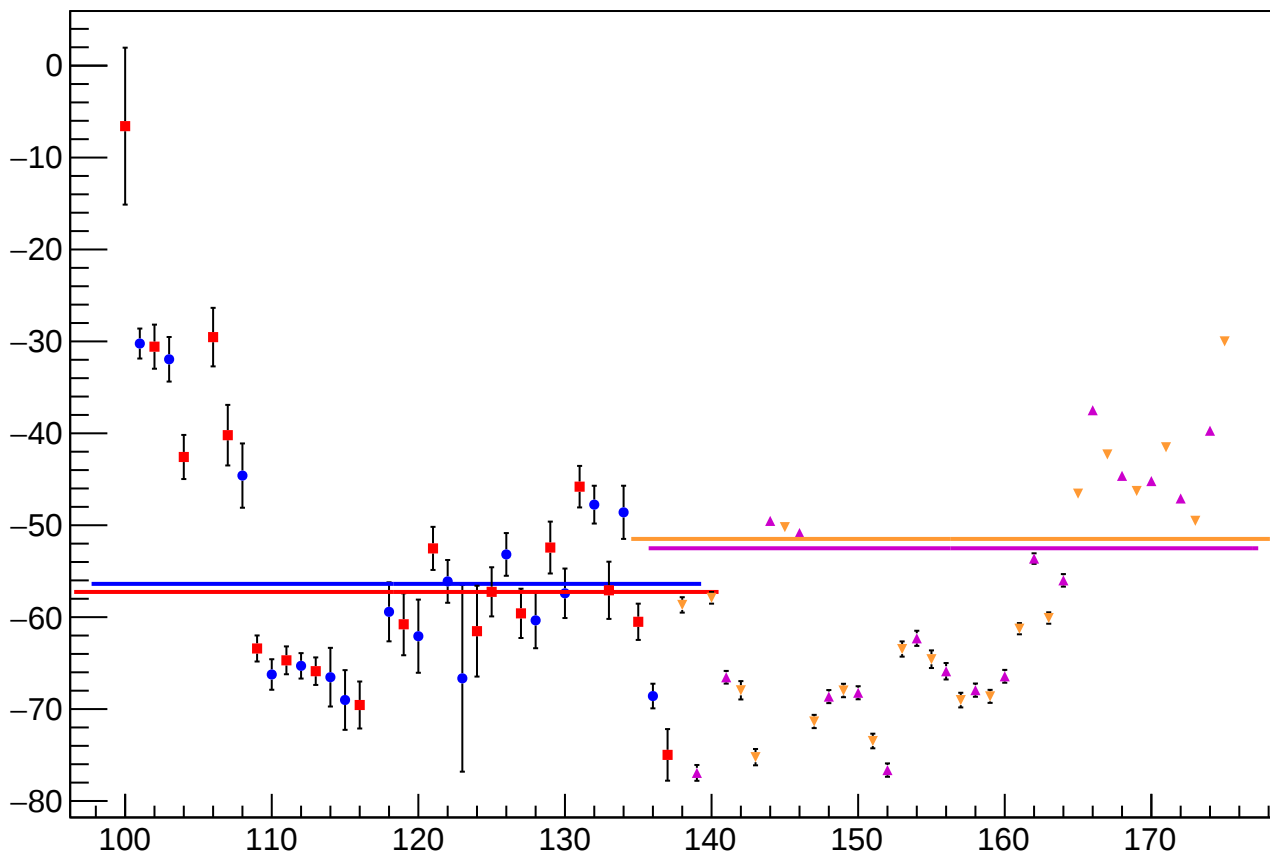
Right: 3.803 ± 0.221 $\chi^2/\text{NDF}: 271.3/35$

In: 3.662 ± 0.095 $\chi^2/\text{NDF}: 940.5/34$

Out: 4.328 ± 0.094 $\chi^2/\text{NDF}: 1910.1/38$

All: 3.997 ± 0.067 $\chi^2/\text{NDF}: 2875.3/73$

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -56.379 ± 0.542 $\chi^2/\text{NDF}: 587.4/16$

Left Out: -51.488 ± 0.131 $\chi^2/\text{NDF}: 9814.8/19$

Right Out: -57.258 ± 0.536 $\chi^2/\text{NDF}: 476.1/18$

Left In: -52.506 ± 0.134 $\chi^2/\text{NDF}: 7418.9/17$

Left: -51.986 ± 0.094 $\chi^2/\text{NDF}: 17263.0/37$

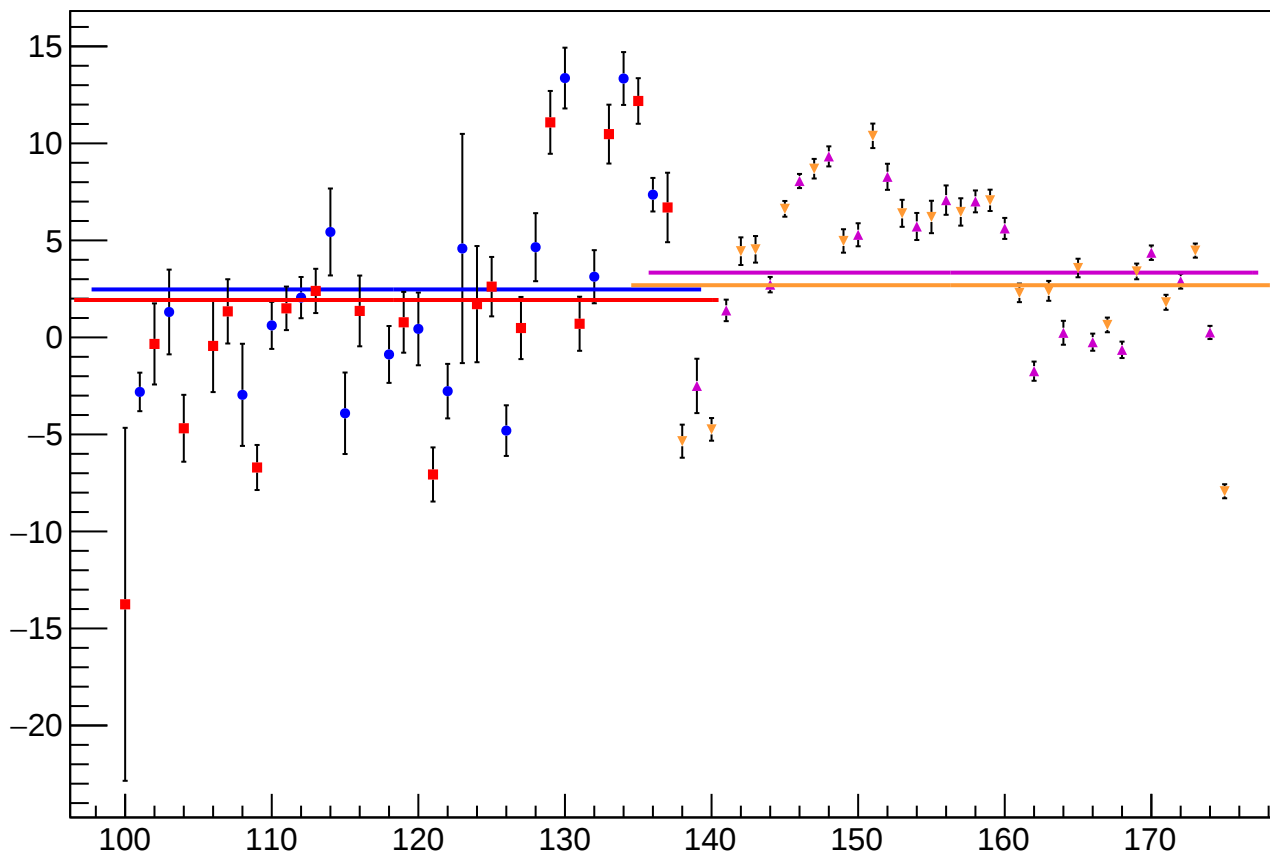
Right: -56.823 ± 0.381 $\chi^2/\text{NDF}: 1064.8/35$

In: -52.730 ± 0.130 $\chi^2/\text{NDF}: 8054.4/34$

Out: -51.815 ± 0.128 $\chi^2/\text{NDF}: 10400.2/38$

All: -52.263 ± 0.091 $\chi^2/\text{NDF}: 18479.7/73$

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.473 ± 0.345 $\chi^2/\text{NDF}: 243.6/16$

Left Out: 2.690 ± 0.112 $\chi^2/\text{NDF}: 1727.6/19$

Right Out: 1.928 ± 0.355 $\chi^2/\text{NDF}: 266.6/18$

Left In: 3.338 ± 0.114 $\chi^2/\text{NDF}: 871.7/17$

Left: 3.008 ± 0.080 $\chi^2/\text{NDF}: 2615.8/37$

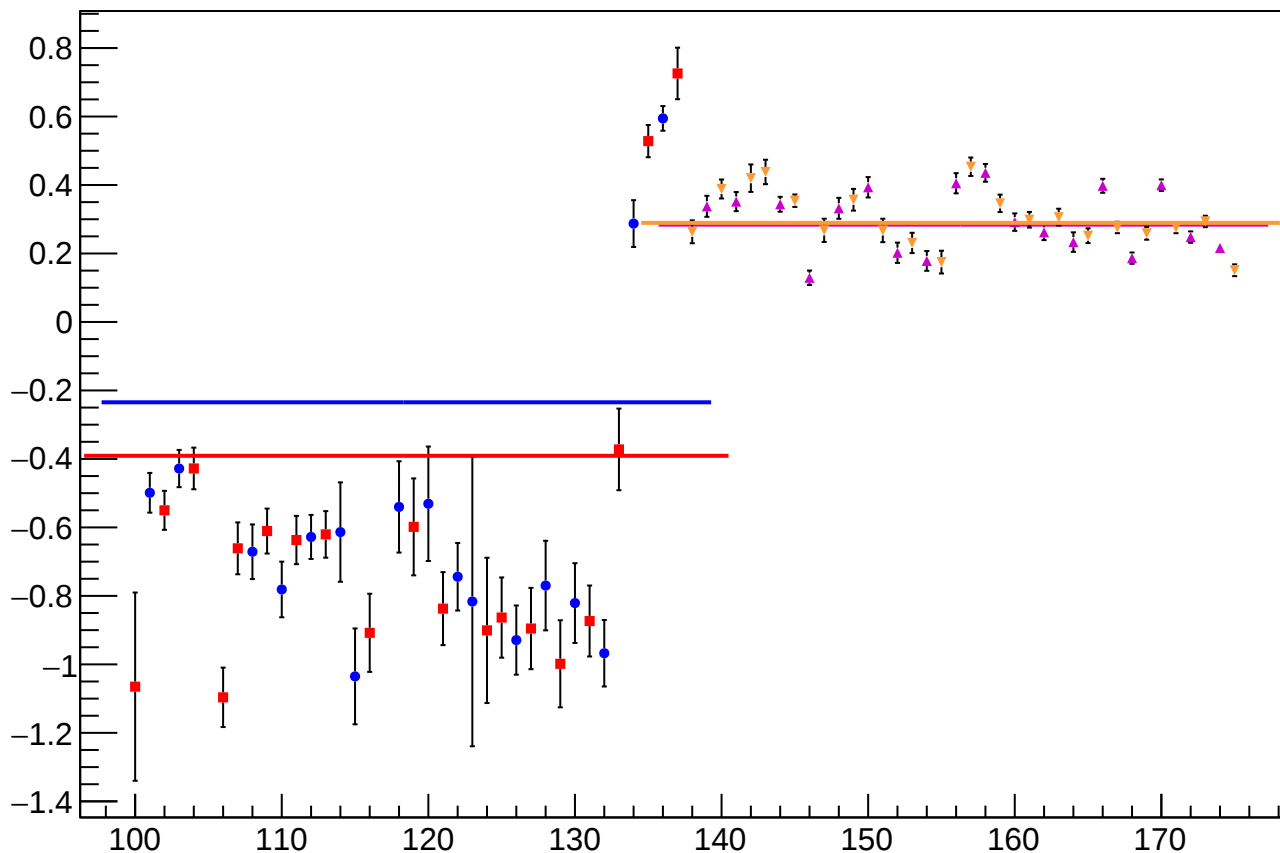
Right: 2.208 ± 0.248 $\chi^2/\text{NDF}: 511.4/35$

In: 3.253 ± 0.108 $\chi^2/\text{NDF}: 1121.0/34$

Out: 2.621 ± 0.107 $\chi^2/\text{NDF}: 1998.4/38$

All: 2.933 ± 0.076 $\chi^2/\text{NDF}: 3136.7/73$

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: 0.289 ± 0.005 χ^2/NDF : 189.2/19

Right Out: -0.391 ± 0.019 χ^2/NDF : 853.3/18

Left In: 0.284 ± 0.005 χ^2/NDF : 301.4/17

Left: 0.287 ± 0.004 χ^2/NDF : 491.2/37

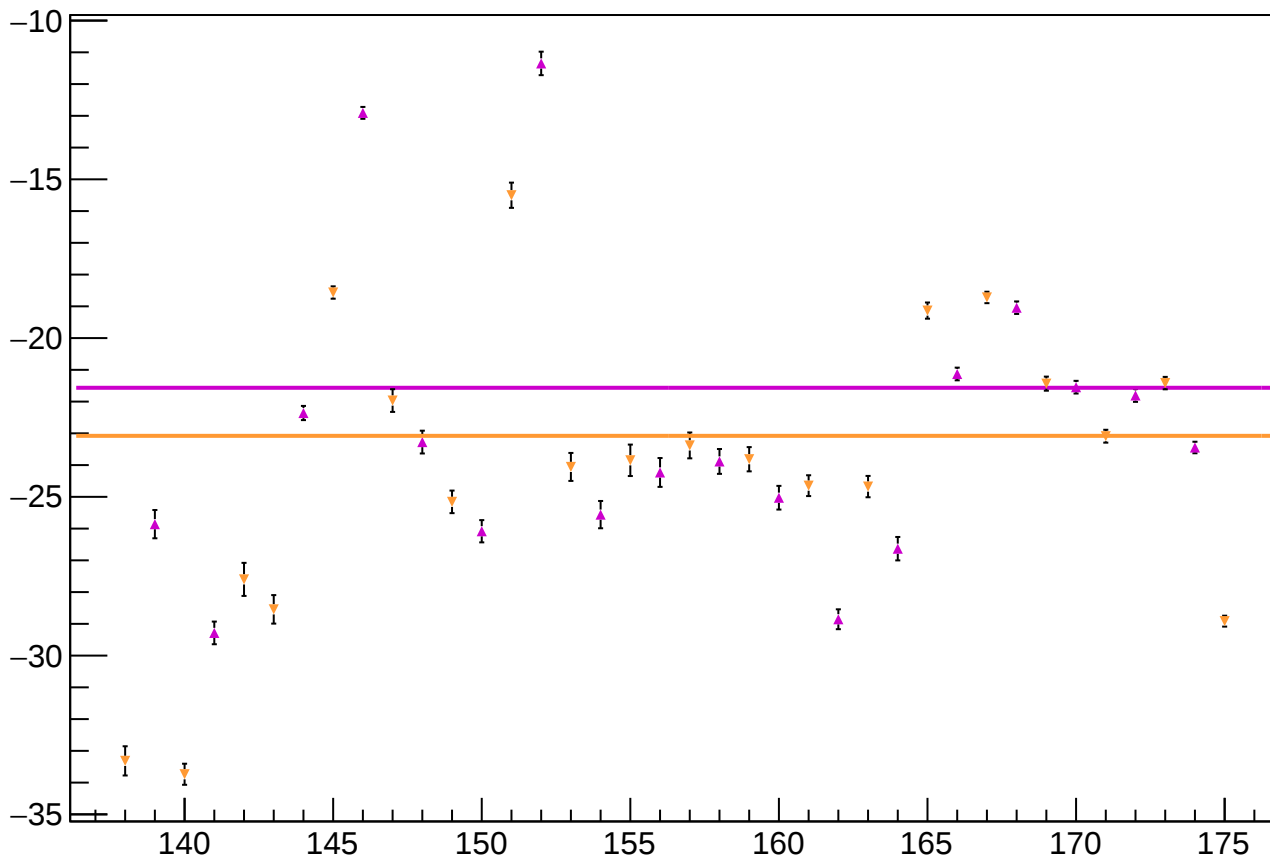
Right: -0.312 ± 0.013 χ^2/NDF : 1845.8/35

In: 0.247 ± 0.005 χ^2/NDF : 1962.0/34

Out: 0.242 ± 0.005 χ^2/NDF : 2240.6/38

All: 0.245 ± 0.004 χ^2/NDF : 4203.1/73

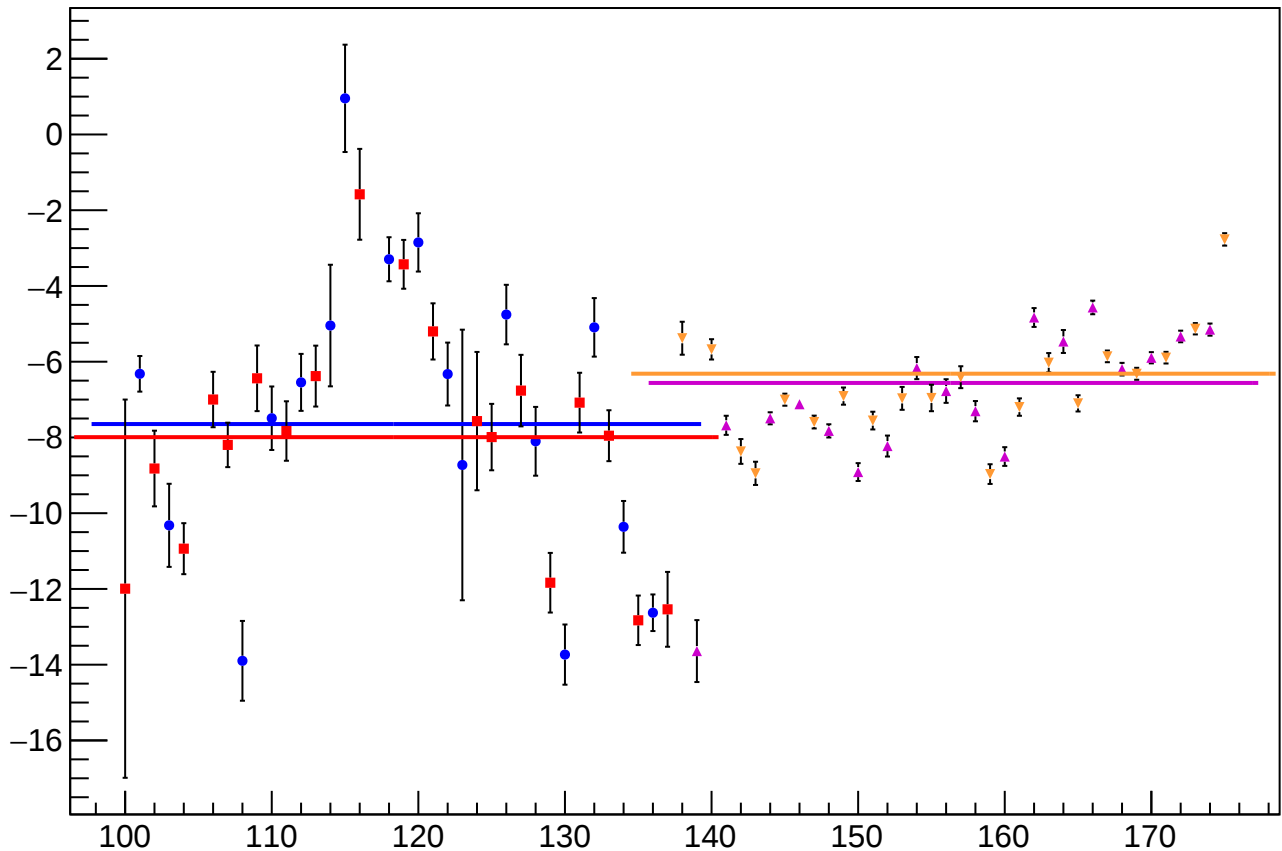
reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -23.079 ± 0.062 $\chi^2/\text{NDF}: 4854.0/19$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -21.565 ± 0.062 $\chi^2/\text{NDF}: 4909.2/17$

Left: -22.329 ± 0.044 $\chi^2/\text{NDF}: 10060.2/37$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 In: -21.565 ± 0.062 $\chi^2/\text{NDF}: 4909.2/17$
 Out: -23.079 ± 0.062 $\chi^2/\text{NDF}: 4854.0/19$
 All: -22.329 ± 0.044 $\chi^2/\text{NDF}: 10060.2/37$

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: -6.316 ± 0.047 χ^2/NDF : 918.8/19

Right Out: -7.992 ± 0.186 χ^2/NDF : 225.5/18

Left In: -6.561 ± 0.046 χ^2/NDF : 762.7/17

Left: -6.440 ± 0.033 χ^2/NDF : 1695.2/37

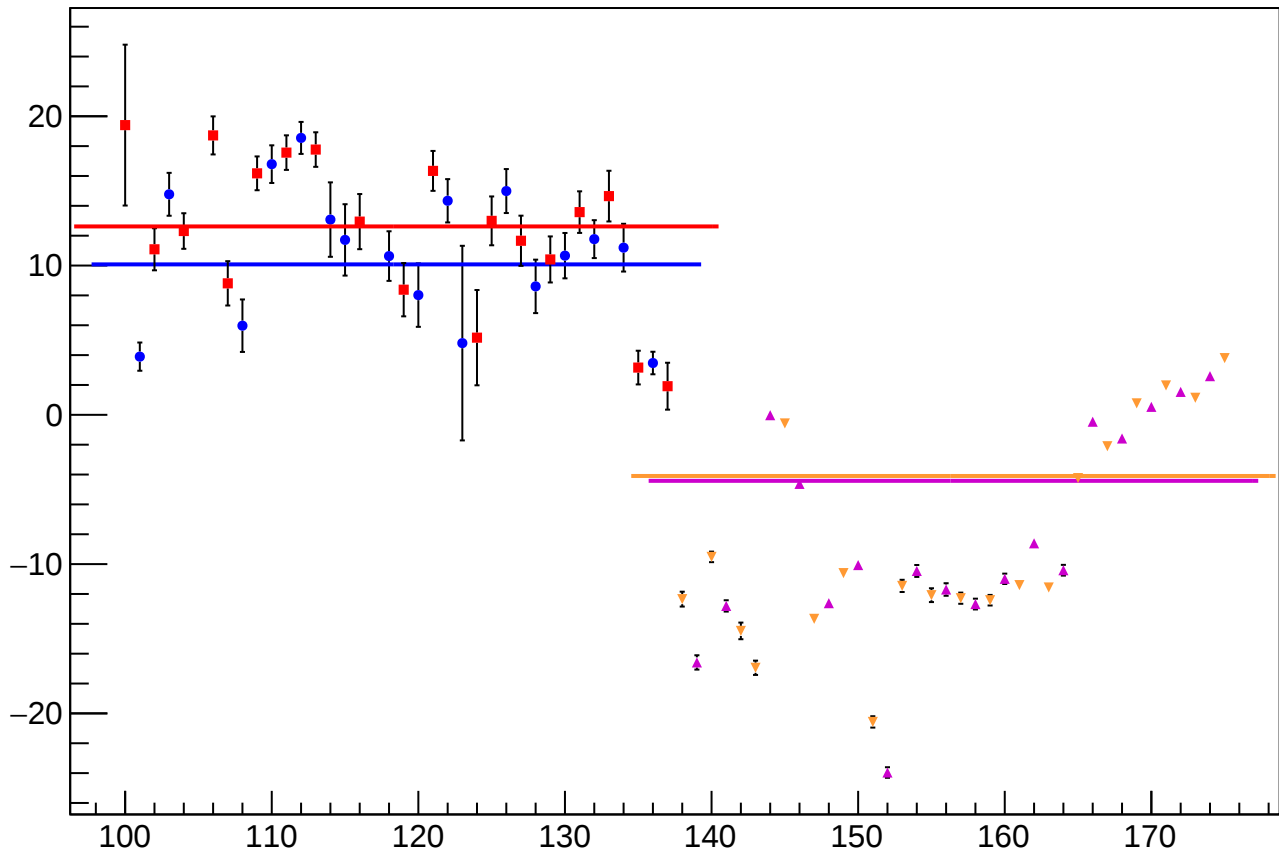
Right: -7.819 ± 0.131 χ^2/NDF : 620.8/35

In: -6.624 ± 0.045 χ^2/NDF : 1188.5/34

Out: -6.416 ± 0.045 χ^2/NDF : 1220.7/38

All: -6.521 ± 0.032 χ^2/NDF : 2419.8/73

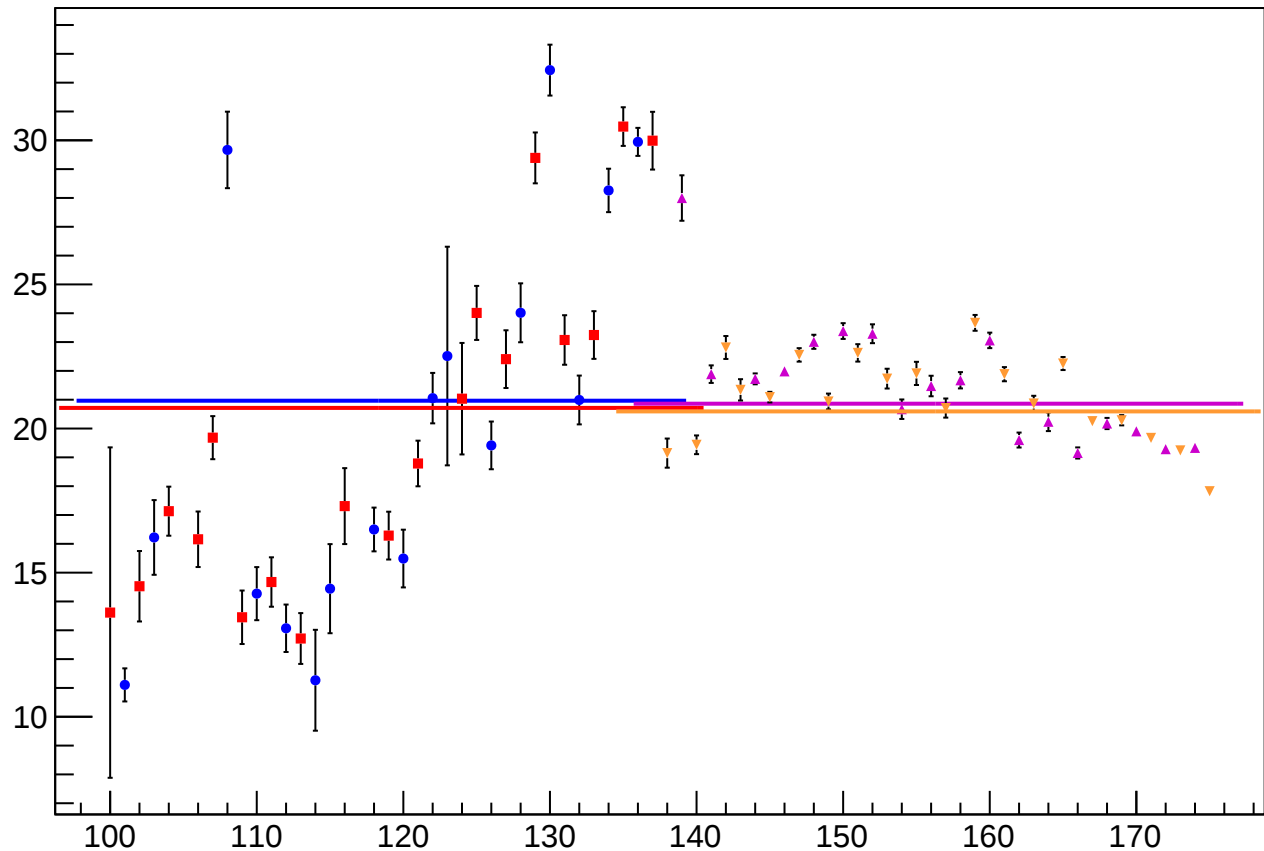
reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 10.077 ± 0.337 $\chi^2/\text{NDF}: 252.8/16$
 Left Out: -4.096 ± 0.062 $\chi^2/\text{NDF}: 11915.1/19$
 Right Out: 12.620 ± 0.332 $\chi^2/\text{NDF}: 220.0/18$
 Left In: -4.421 ± 0.063 $\chi^2/\text{NDF}: 10574.9/17$

Left: -4.257 ± 0.044 $\chi^2/\text{NDF}: 22503.6/37$
 Right: 11.365 ± 0.237 $\chi^2/\text{NDF}: 501.6/35$
 In: -3.938 ± 0.061 $\chi^2/\text{NDF}: 12619.3/34$
 Out: -3.535 ± 0.061 $\chi^2/\text{NDF}: 14578.6/38$
 All: -3.735 ± 0.043 $\chi^2/\text{NDF}: 27219.6/73$

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: 20.594 $\pm$ 0.053 χ^2 /NDF: 772.2/19

Right Out: 20.716 $\pm$ 0.213 χ^2 /NDF: 729.9/18

Left In: 20.862 $\pm$ 0.053 χ^2 /NDF: 791.2/17

Left: 20.727 $\pm$ 0.037 χ^2 /NDF: 1576.2/37

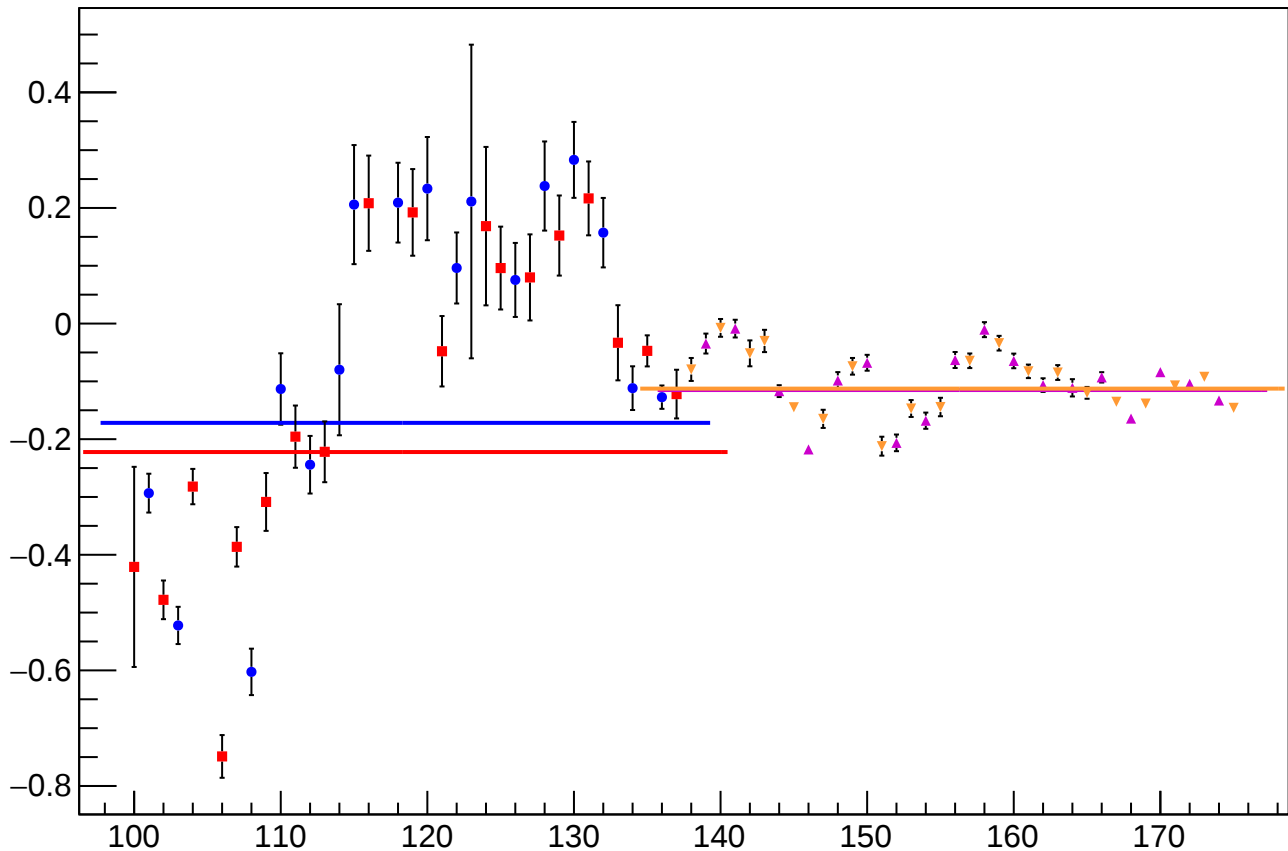
Right: 20.842 $\pm$ 0.149 χ^2 /NDF: 1956.1/35

In: 20.868 $\pm$ 0.051 χ^2 /NDF: 2016.9/34

Out: 20.601 $\pm$ 0.051 χ^2 /NDF: 1502.4/38

All: 20.734 $\pm$ 0.036 χ^2 /NDF: 3532.8/73

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: -0.113 ± 0.002 χ^2/NDF : 263.8/19

Right Out: -0.222 ± 0.011 χ^2/NDF : 536.1/18

Left In: -0.115 ± 0.002 χ^2/NDF : 455.9/17

Left: -0.114 ± 0.002 χ^2/NDF : 720.2/37

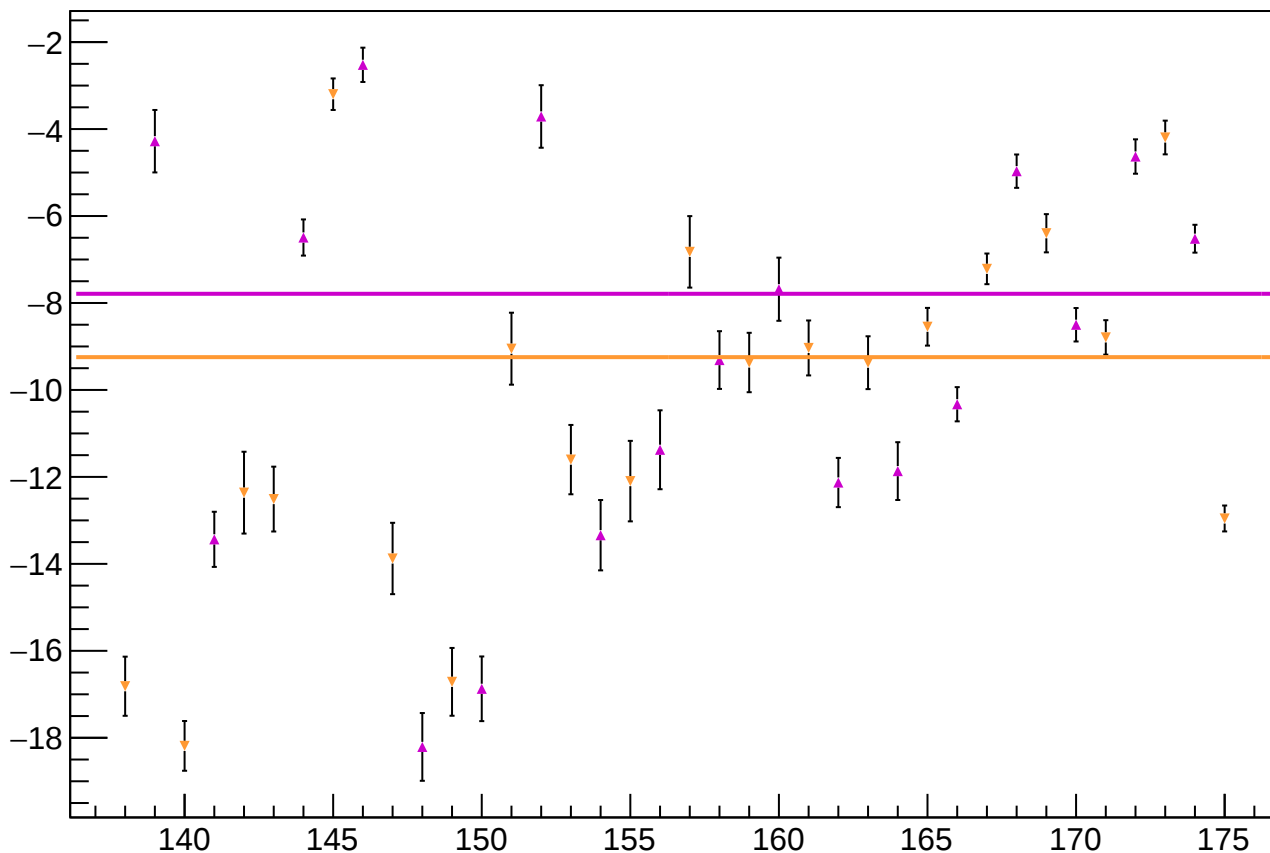
Right: -0.198 ± 0.008 χ^2/NDF : 1010.7/35

In: -0.118 ± 0.002 χ^2/NDF : 944.7/34

Out: -0.118 ± 0.002 χ^2/NDF : 895.7/38

All: -0.118 ± 0.002 χ^2/NDF : 1840.4/73

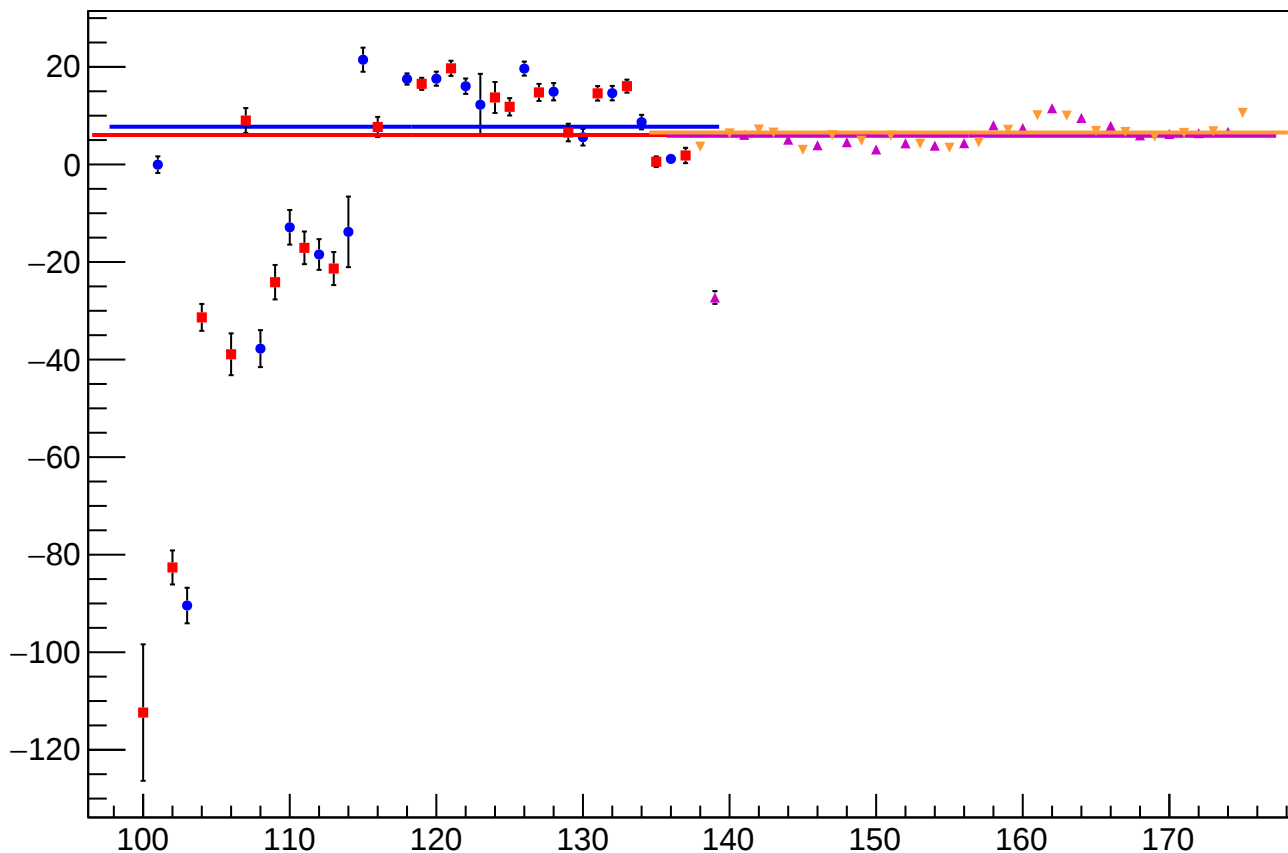
reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -9.246 $\pm$ 0.116 χ^2/NDF :1230.9/19
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -7.789 $\pm$ 0.119 χ^2/NDF :994.2/17

Left: -8.539 $\pm$ 0.083 χ^2/NDF : 2302.1/37
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: -7.789 $\pm$ 0.119 χ^2/NDF :994.2/17
 Out: -9.246 $\pm$ 0.116 χ^2/NDF :1230.9/19
 All: -8.539 $\pm$ 0.083 χ^2/NDF : 2302.1/37

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.736 $\pm$ 0.403 χ^2 /NDF: 1358.4/16

Left Out: 6.553 $\pm$ 0.089 χ^2 /NDF:572.0/19

Right Out: 6.040 $\pm$ 0.434 χ^2 /NDF: 1512.1/18

Left In: 5.883 $\pm$ 0.090 χ^2 /NDF:1061.1/17

Left: 6.223 $\pm$ 0.063 χ^2 /NDF: 1661.3/37

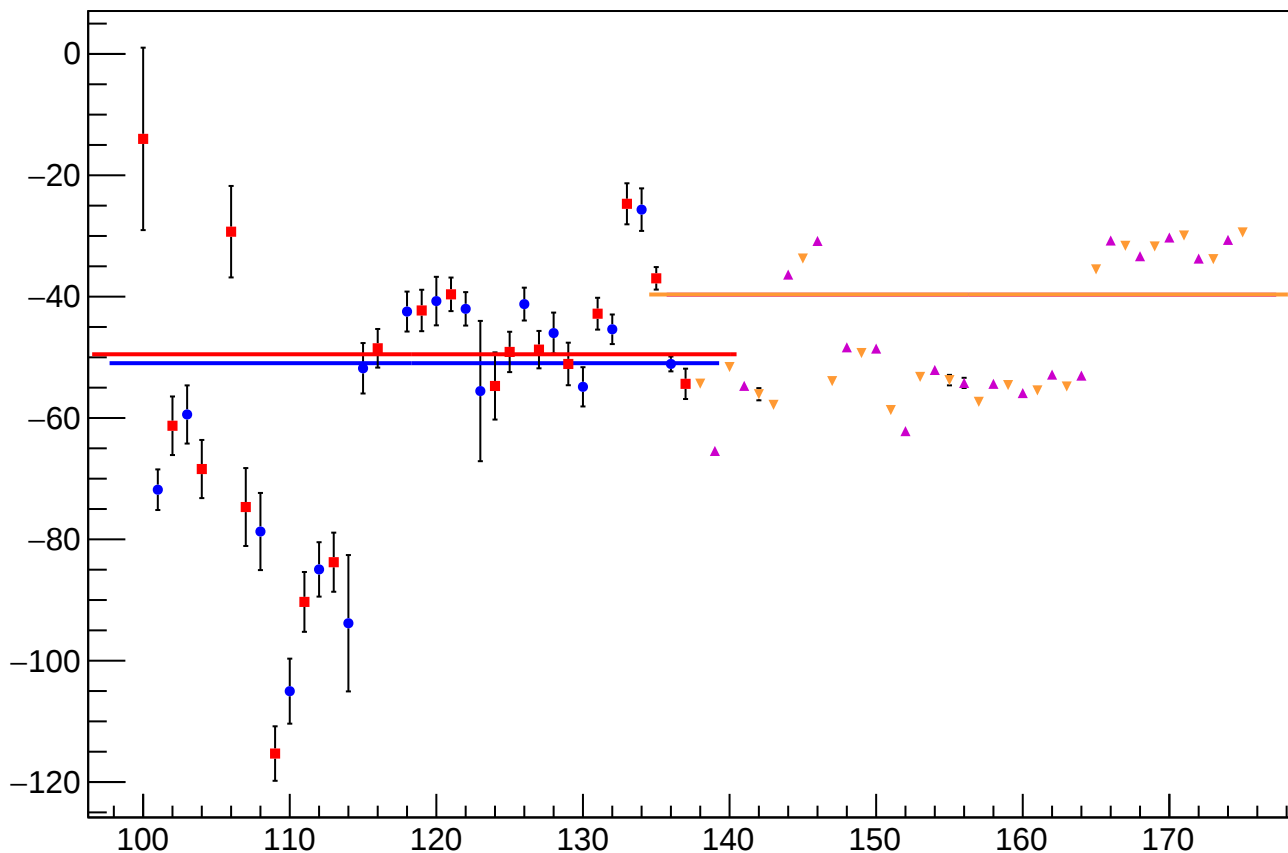
Right: 6.952 $\pm$ 0.295 χ^2 /NDF: 2878.8/35

In: 5.971 $\pm$ 0.088 χ^2 /NDF:2439.8/34

Out: 6.533 $\pm$ 0.087 χ^2 /NDF:2085.5/38

All: 6.255 $\pm$ 0.062 χ^2 /NDF: 4545.9/73

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: -39.646 ± 0.116 χ^2/NDF : 8853.8/19

Right Out: -49.497 ± 0.797 χ^2/NDF : 510.4/18

Left In: -39.683 ± 0.120 χ^2/NDF : 8555.0/17

Left: -39.664 ± 0.083 χ^2/NDF : 17408.9/37

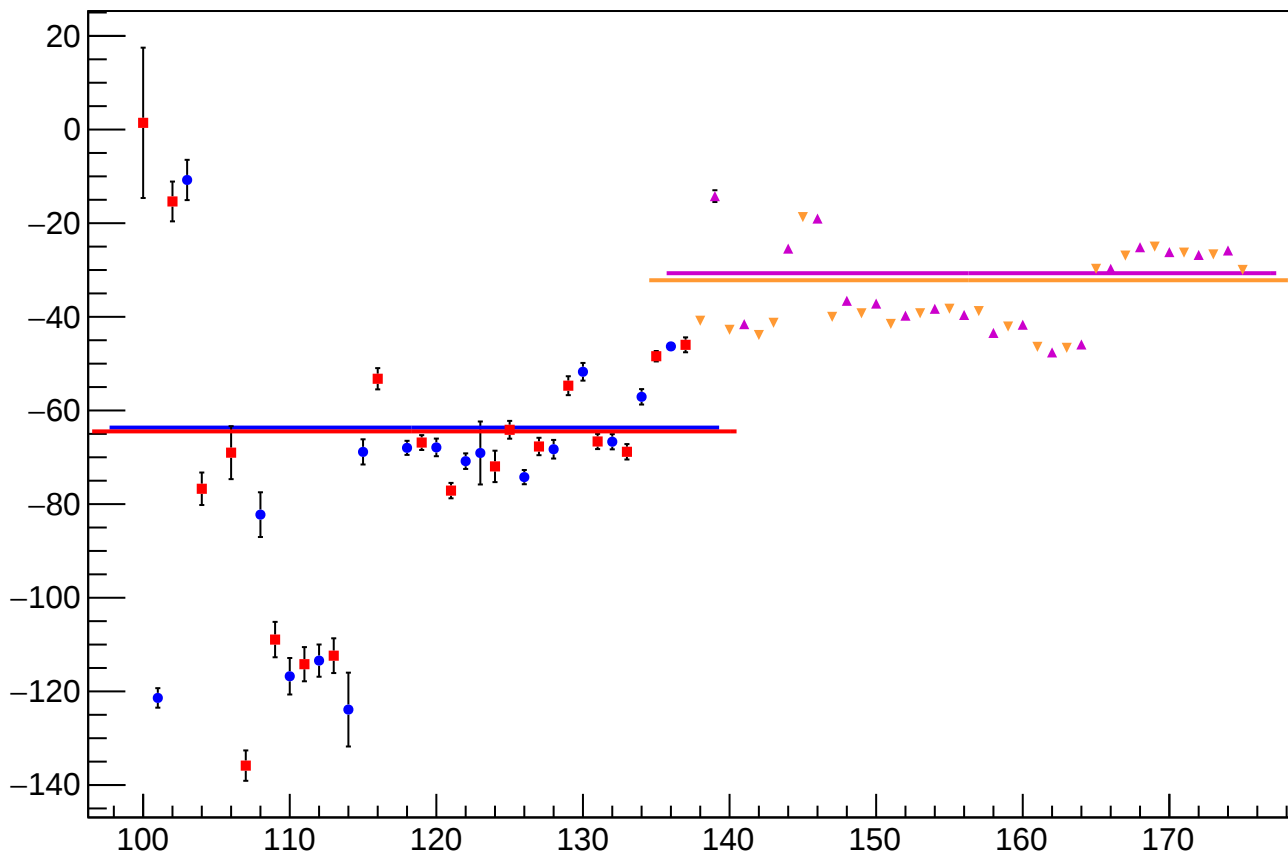
Right: -50.288 ± 0.541 χ^2/NDF : 844.9/35

In: -39.973 ± 0.118 χ^2/NDF : 9115.6/34

Out: -39.851 ± 0.115 χ^2/NDF : 9513.7/38

All: -39.910 ± 0.082 χ^2/NDF : 18629.9/73

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: -32.186 ± 0.100 χ^2/NDF : 7039.6/19

Right Out: -64.470 ± 0.483 χ^2/NDF : 1606.8/18

Left In: -30.682 ± 0.102 χ^2/NDF : 6880.7/17

Left: -31.453 ± 0.071 χ^2/NDF : 14031.3/37

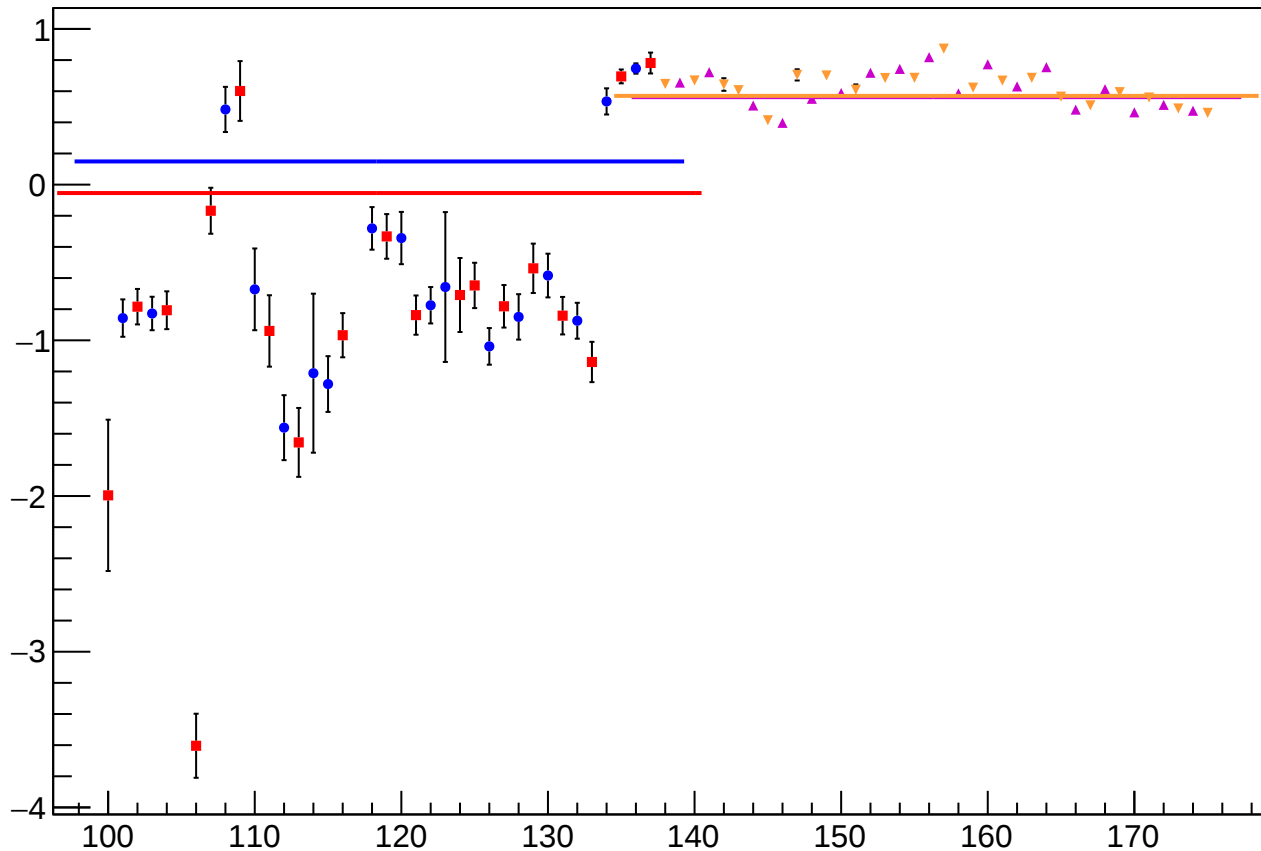
Right: -64.030 ± 0.327 χ^2/NDF : 3623.1/35

In: -32.331 ± 0.100 χ^2/NDF : 14103.1/34

Out: -33.507 ± 0.098 χ^2/NDF : 12940.1/38

All: -32.931 ± 0.070 χ^2/NDF : 27114.2/73

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.149 $\pm$ 0.024 χ^2 /NDF: 989.9/16

Left Out: 0.570 $\pm$ 0.005 χ^2 /NDF: 496.2/19

Right Out: -0.054 $\pm$ 0.026 χ^2 /NDF: 1167.9/18

Left In: 0.562 $\pm$ 0.005 χ^2 /NDF: 579.5/17

Left: 0.566 $\pm$ 0.003 χ^2 /NDF: 1077.3/37

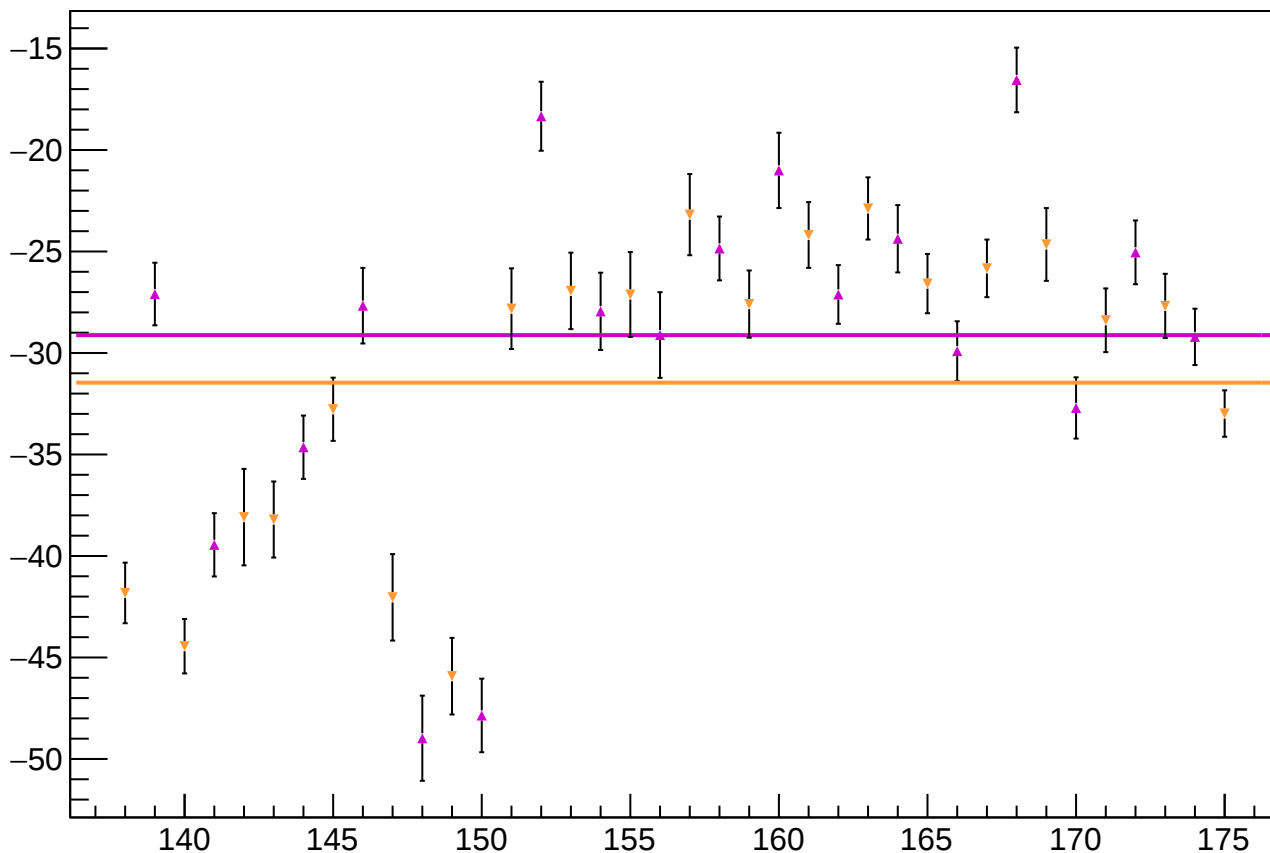
Right: 0.056 $\pm$ 0.018 χ^2 /NDF: 2190.5/35

In: 0.547 $\pm$ 0.005 χ^2 /NDF: 1855.2/34

Out: 0.551 $\pm$ 0.005 χ^2 /NDF: 2214.6/38

All: 0.549 $\pm$ 0.003 χ^2 /NDF: 4070.4/73

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: -31.461 $\pm$ 0.367 χ^2 /NDF:386.8/19

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

Left In: -29.122 $\pm$ 0.387 χ^2 /NDF:407.7/17

Left: -30.353 $\pm$ 0.266 χ^2 /NDF: 813.8/37

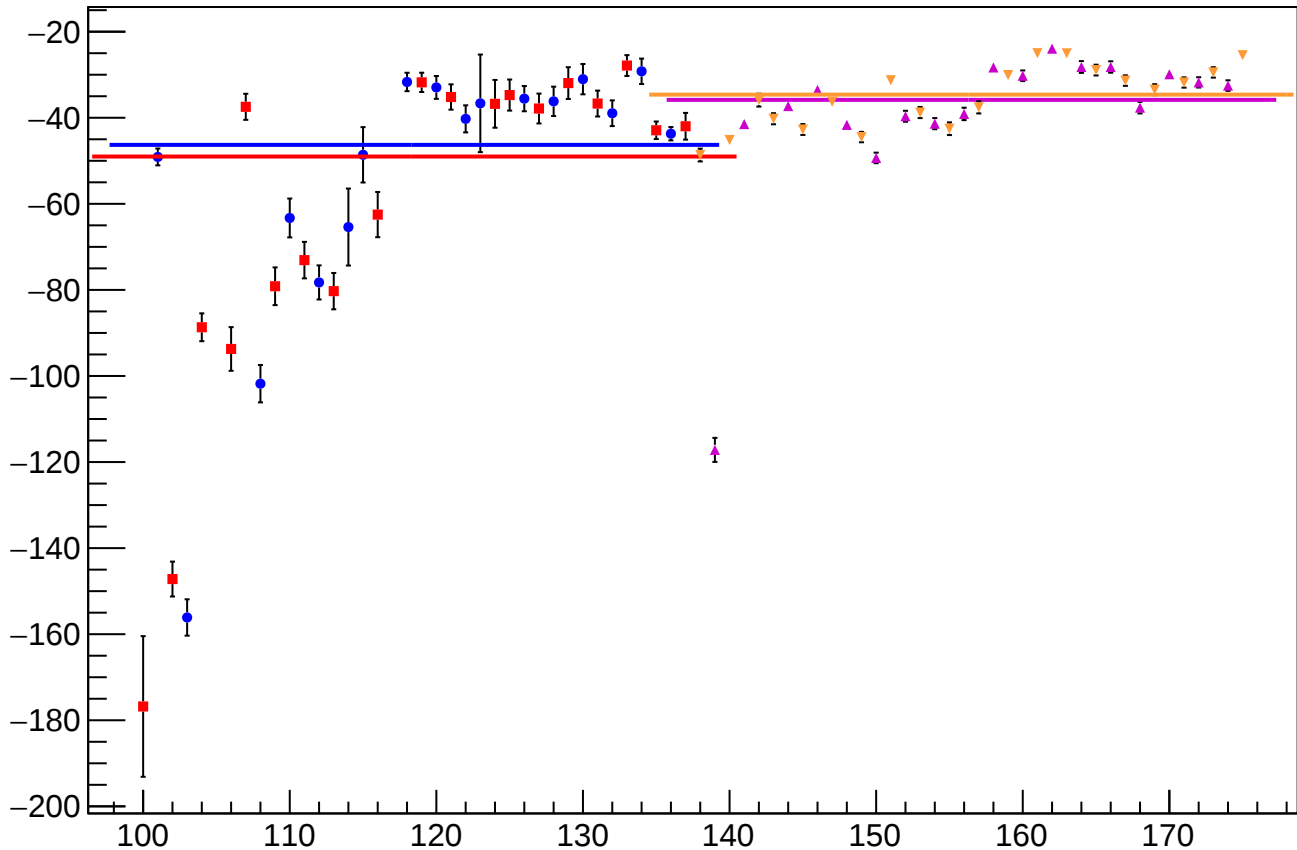
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -29.122 $\pm$ 0.387 χ^2 /NDF:407.7/17

Out: -31.461 $\pm$ 0.367 χ^2 /NDF:386.8/19

All: -30.353 $\pm$ 0.266 χ^2 /NDF: 813.8/37

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: -34.624 ± 0.274 $\chi^2/\text{NDF}: 640.1/19$

Right Out: -49.008 ± 0.764 $\chi^2/\text{NDF}: 1271.7/18$

Left In: -35.838 ± 0.290 $\chi^2/\text{NDF}: 1353.4/17$

Left: -35.197 ± 0.199 $\chi^2/\text{NDF}: 2002.8/37$

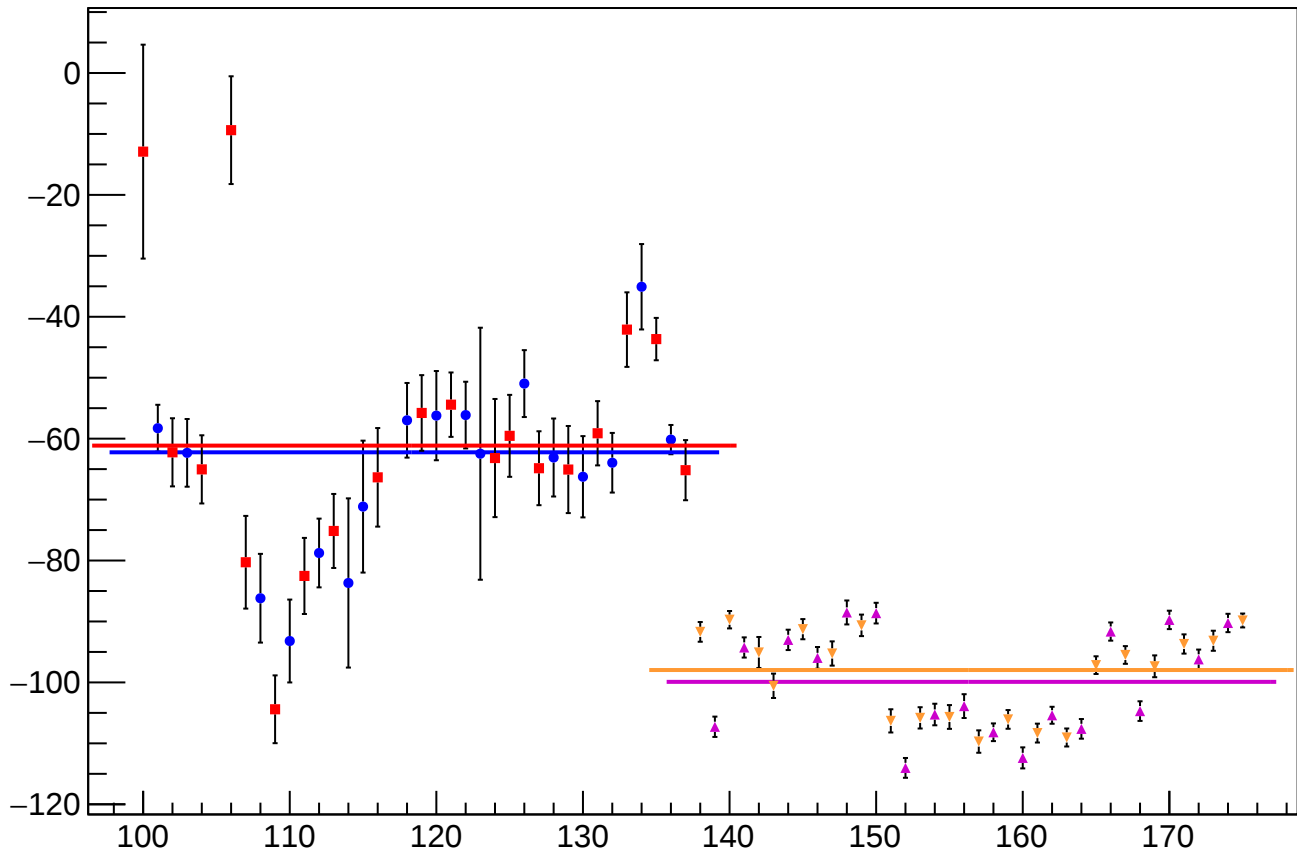
Right: -47.580 ± 0.525 $\chi^2/\text{NDF}: 2362.3/35$

In: -37.290 ± 0.269 $\chi^2/\text{NDF}: 2617.9/34$

Out: -36.265 ± 0.258 $\chi^2/\text{NDF}: 2226.0/38$

All: -36.756 ± 0.186 $\chi^2/\text{NDF}: 4851.4/73$

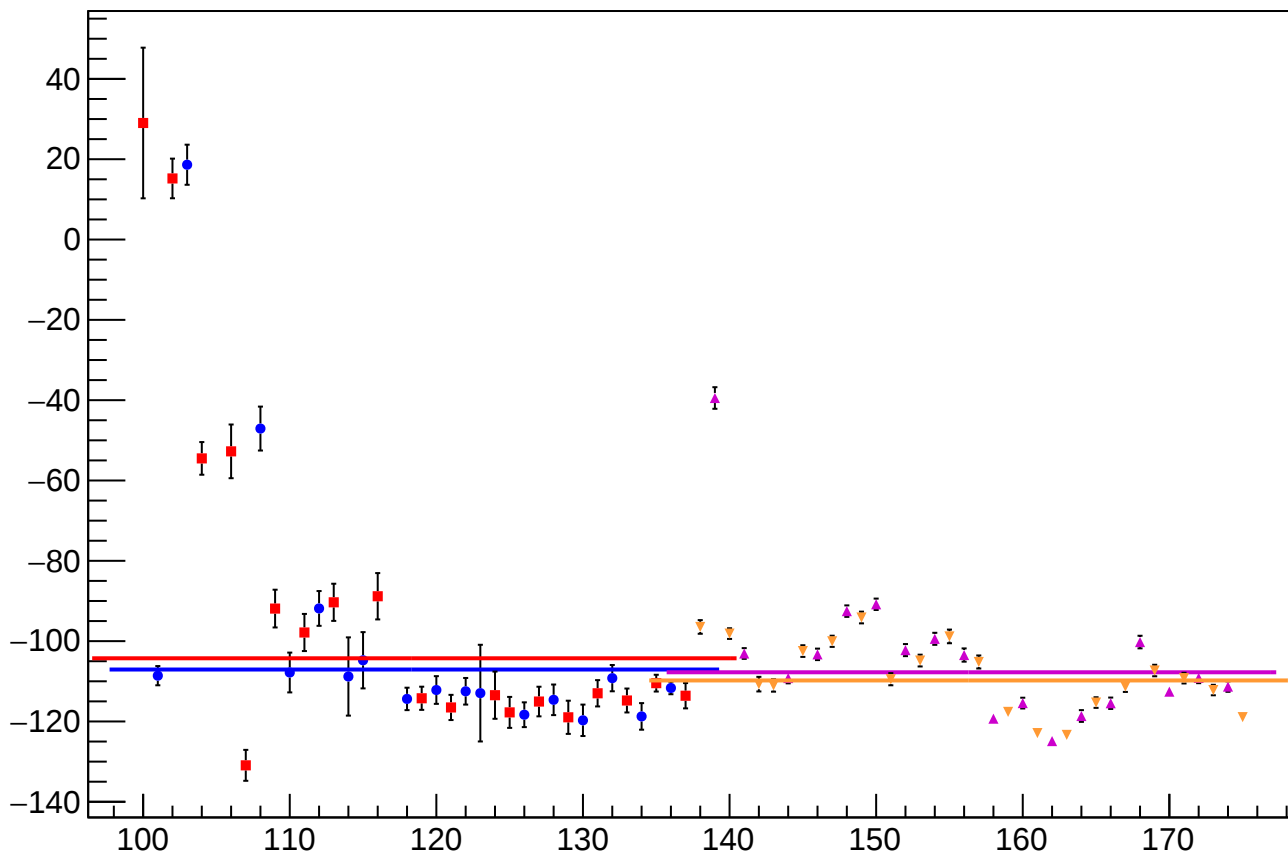
reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.242 $\pm$ 1.310 χ^2 /NDF: 67.4/16
 Left Out: -97.967 $\pm$ 0.366 χ^2 /NDF:381.1/19
 Right Out: -61.142 $\pm$ 1.379 χ^2 /NDF: 165.6/18
 Left In: -99.909 $\pm$ 0.384 χ^2 /NDF:473.8/17

Left: -98.890 $\pm$ 0.265 χ^2 /NDF: 868.3/37
 Right: -61.720 $\pm$ 0.950 χ^2 /NDF: 233.3/35
 In: -96.927 $\pm$ 0.369 χ^2 /NDF:1302.3/34
 Out: -95.548 $\pm$ 0.354 χ^2 /NDF:1212.5/38
 All: -96.208 $\pm$ 0.255 χ^2 /NDF: 2522.1/73

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: -109.787 ± 0.312 χ^2/NDF : 759.6/19

Right Out: -104.269 ± 0.861 χ^2/NDF : 1018.6/18

Left In: -107.753 ± 0.329 χ^2/NDF : 1445.1/17

Left: -108.825 ± 0.226 χ^2/NDF : 2224.8/37

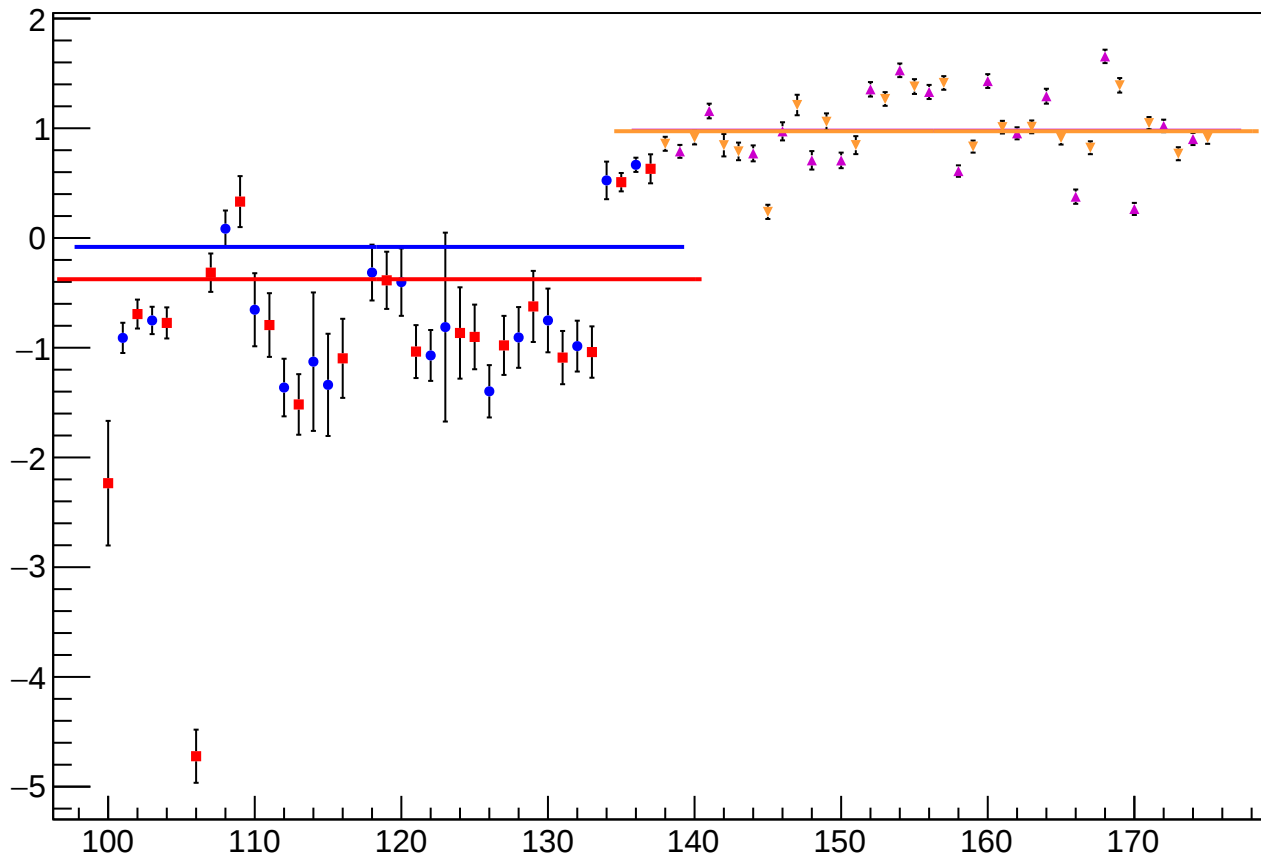
Right: -105.751 ± 0.590 χ^2/NDF : 1852.6/35

In: -107.656 ± 0.305 χ^2/NDF : 2274.0/34

Out: -109.147 ± 0.293 χ^2/NDF : 1814.5/38

All: -108.431 ± 0.211 χ^2/NDF : 4101.0/73

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: 0.973 ± 0.014 χ^2/NDF : 327.6/19

Right Out: -0.376 ± 0.044 χ^2/NDF : 583.0/18

Left In: 0.978 ± 0.015 χ^2/NDF : 691.5/17

Left: 0.975 ± 0.010 χ^2/NDF : 1019.2/37

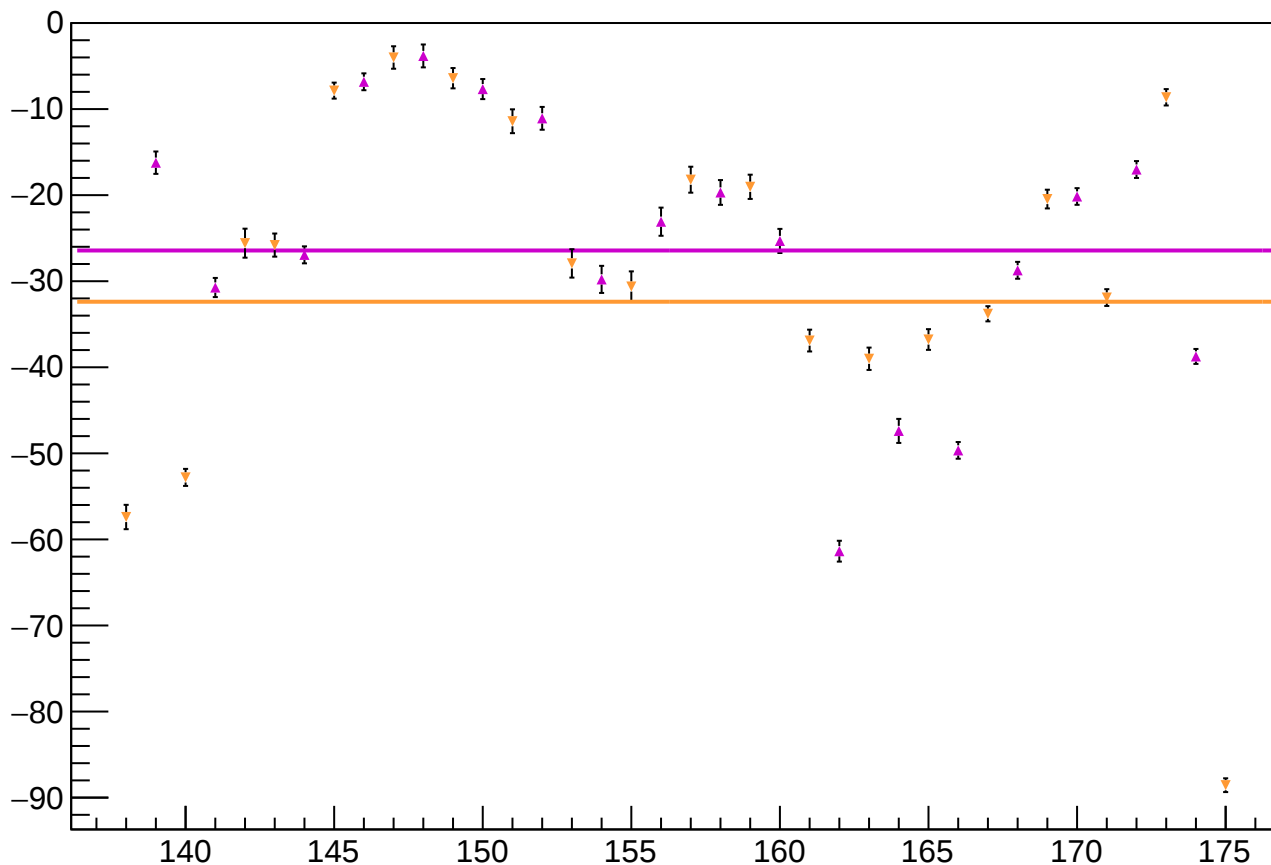
Right: -0.223 ± 0.030 χ^2/NDF : 935.4/35

In: 0.861 ± 0.014 χ^2/NDF : 1582.2/34

Out: 0.841 ± 0.014 χ^2/NDF : 1762.8/38

All: 0.851 ± 0.010 χ^2/NDF : 3346.1/73

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: -32.383+/-0.260 χ^2/NDF :8574.8/19

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

Left In: -26.429+/-0.269 χ^2/NDF :3160.5/17

Left: -29.507+/-0.187 χ^2/NDF : 11988.8/37

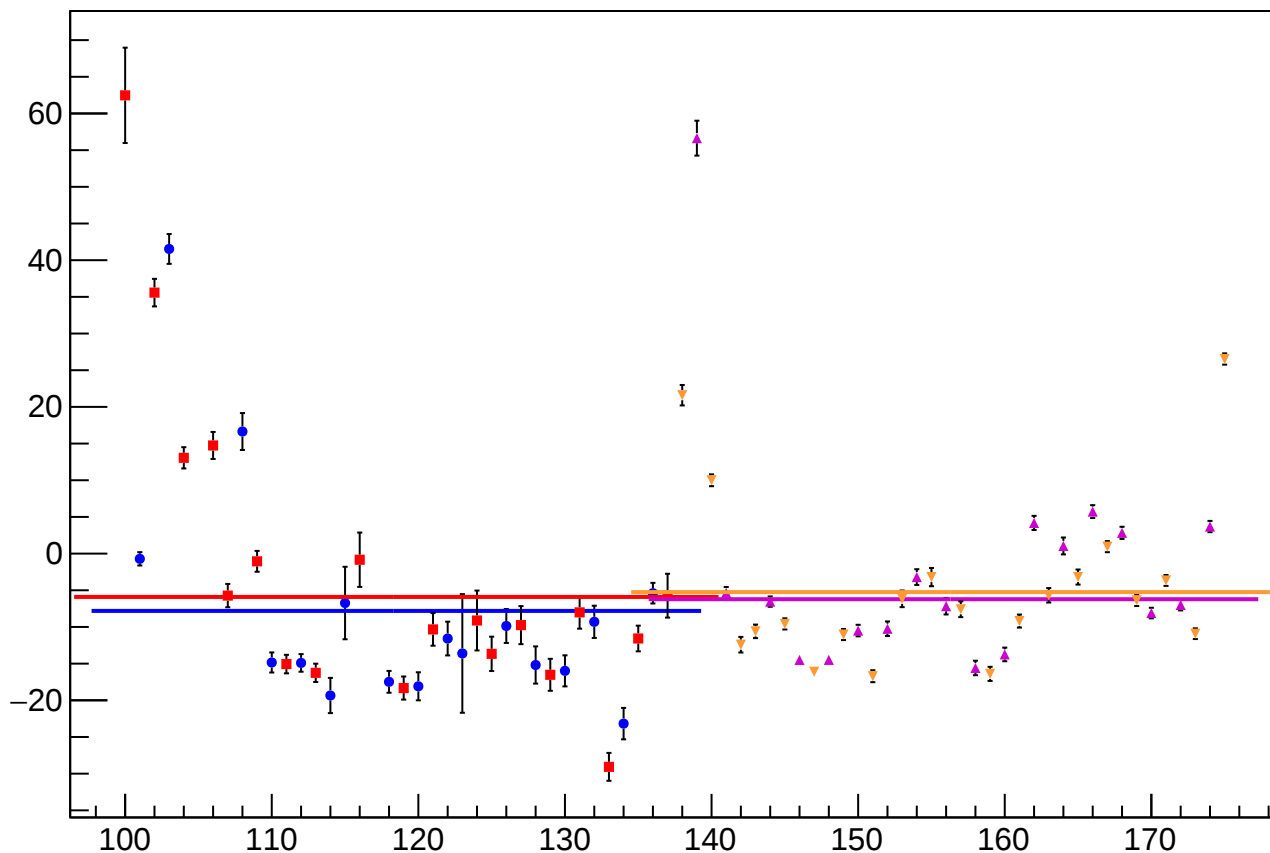
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -26.429+/-0.269 χ^2/NDF :3160.5/17

Out: -32.383+/-0.260 χ^2/NDF :8574.8/19

All: -29.507+/-0.187 χ^2/NDF : 11988.8/37

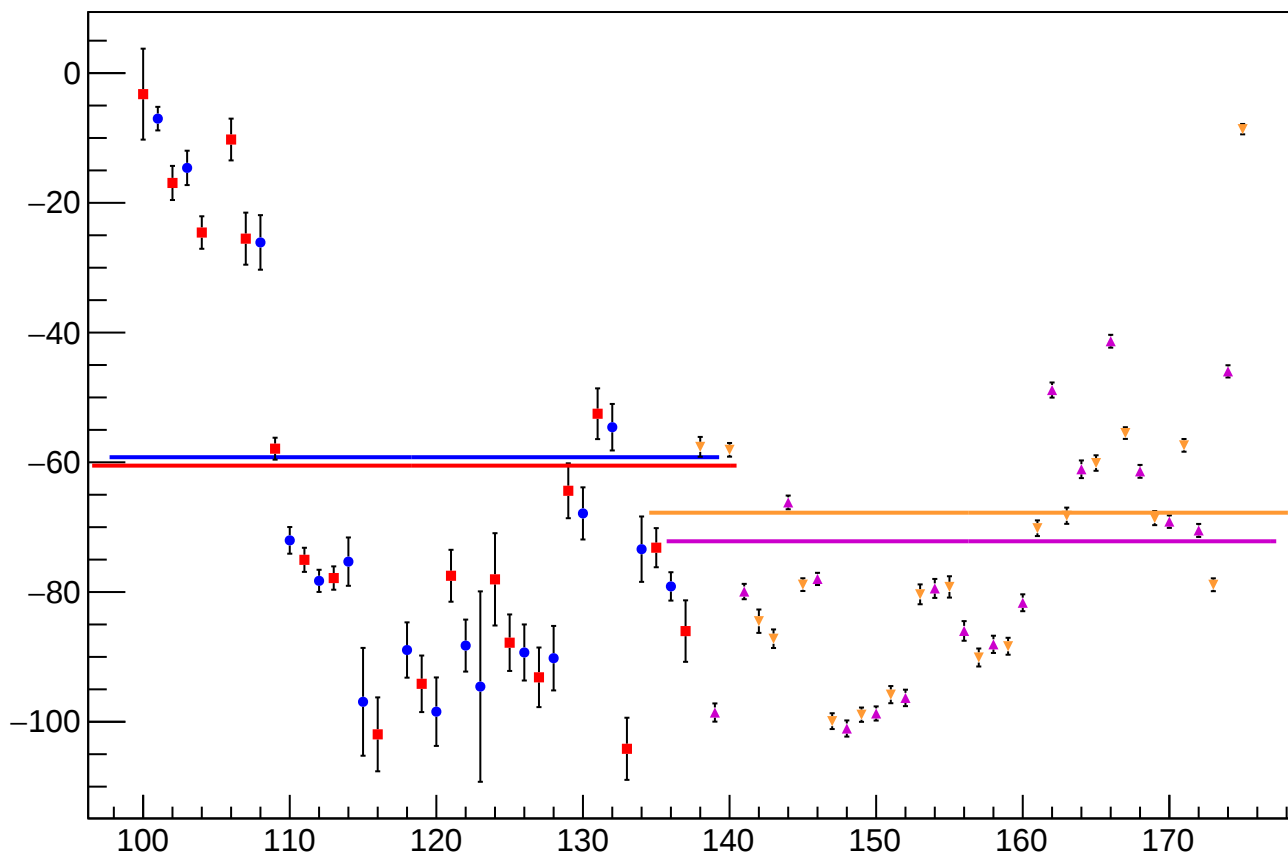
reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.812 ± 0.427 χ^2/NDF : 982.8/16
 Left Out: -5.250 ± 0.192 χ^2/NDF : 3407.2/19
 Right Out: -5.908 ± 0.429 χ^2/NDF : 1293.1/18
 Left In: -6.219 ± 0.199 χ^2/NDF : 1884.9/17

Left: -5.718 ± 0.138 χ^2/NDF : 5304.3/37
 Right: -6.864 ± 0.303 χ^2/NDF : 2285.7/35
 In: -6.503 ± 0.180 χ^2/NDF : 2879.1/34
 Out: -5.360 ± 0.176 χ^2/NDF : 4702.2/38
 All: -5.916 ± 0.126 χ^2/NDF : 7601.9/73

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: -67.769 ± 0.260 $\chi^2/\text{NDF}: 9010.7/19$

Right Out: -60.513 ± 0.704 $\chi^2/\text{NDF}: 1383.9/18$

Left In: -72.175 ± 0.268 $\chi^2/\text{NDF}: 4602.5/17$

Left: -69.901 ± 0.187 $\chi^2/\text{NDF}: 13752.5/37$

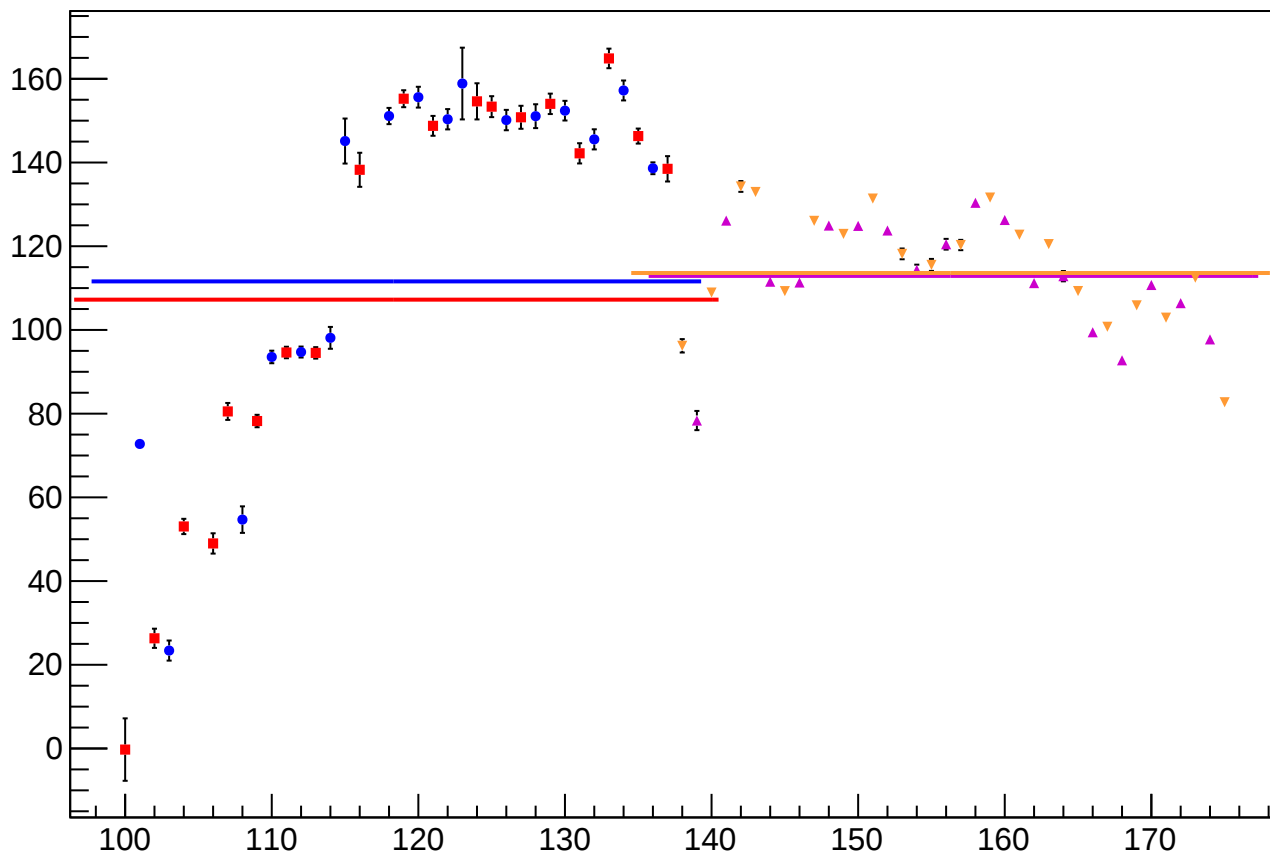
Right: -59.899 ± 0.511 $\chi^2/\text{NDF}: 3105.9/35$

In: -70.683 ± 0.252 $\chi^2/\text{NDF}: 6591.6/34$

Out: -66.900 ± 0.244 $\chi^2/\text{NDF}: 10488.1/38$

All: -68.726 ± 0.175 $\chi^2/\text{NDF}: 17196.1/73$

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: 113.607 $\pm$ 0.220 χ^2 /NDF:3793.0/19

Right Out: 107.238 $\pm$ 0.488 χ^2 /NDF: 7037.4/18

Left In: 112.909 $\pm$ 0.228 χ^2 /NDF:2415.9/17

Left: 113.270 $\pm$ 0.158 χ^2 /NDF: 6213.7/37

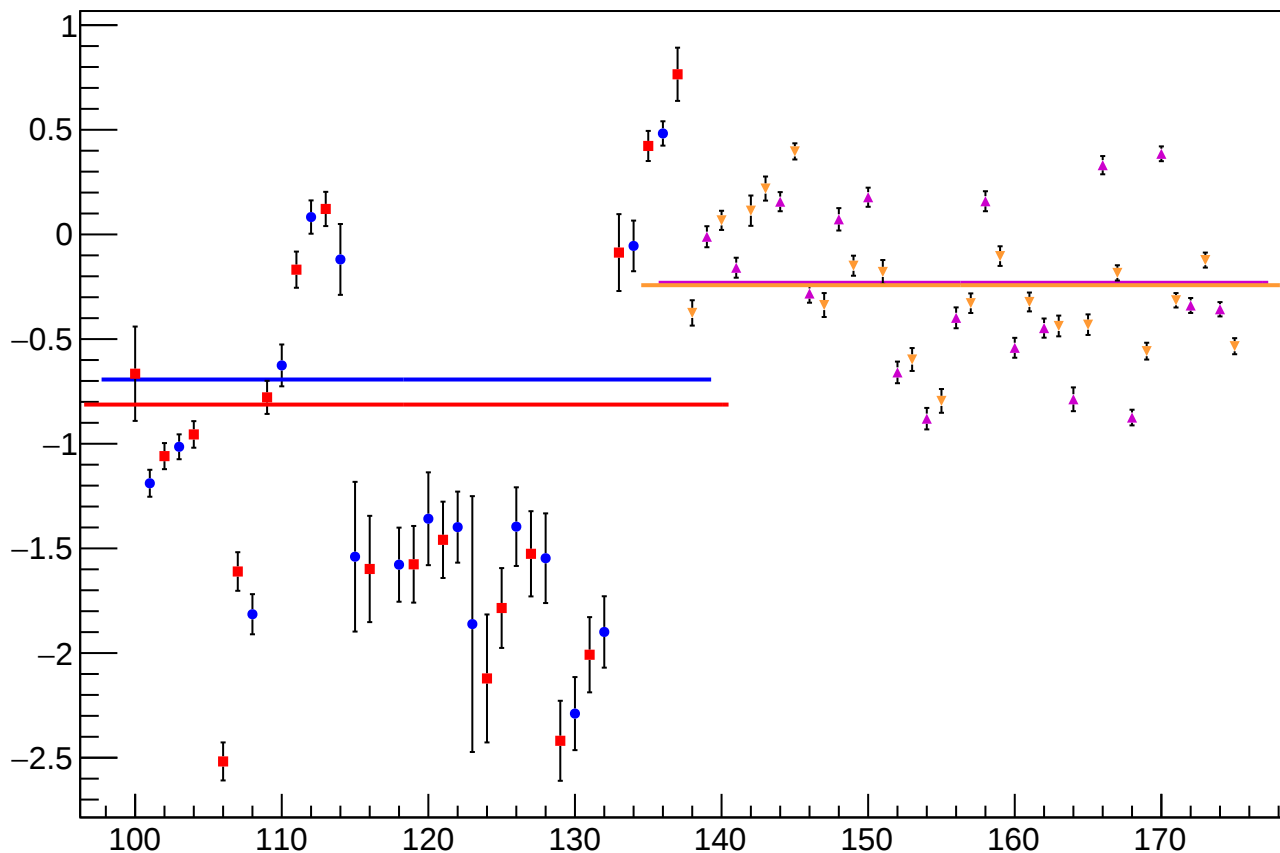
Right: 109.423 $\pm$ 0.344 χ^2 /NDF: 13037.0/35

In: 112.672 $\pm$ 0.207 χ^2 /NDF:8381.3/34

Out: 112.528 $\pm$ 0.201 χ^2 /NDF:10972.1/38

All: 112.598 $\pm$ 0.144 χ^2 /NDF: 19353.6/73

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: -0.242 ± 0.010 χ^2/NDF : 740.5/19

Right Out: -0.813 ± 0.024 χ^2/NDF : 1310.7/18

Left In: -0.231 ± 0.010 χ^2/NDF : 1463.8/17

Left: -0.237 ± 0.007 χ^2/NDF : 2204.9/37

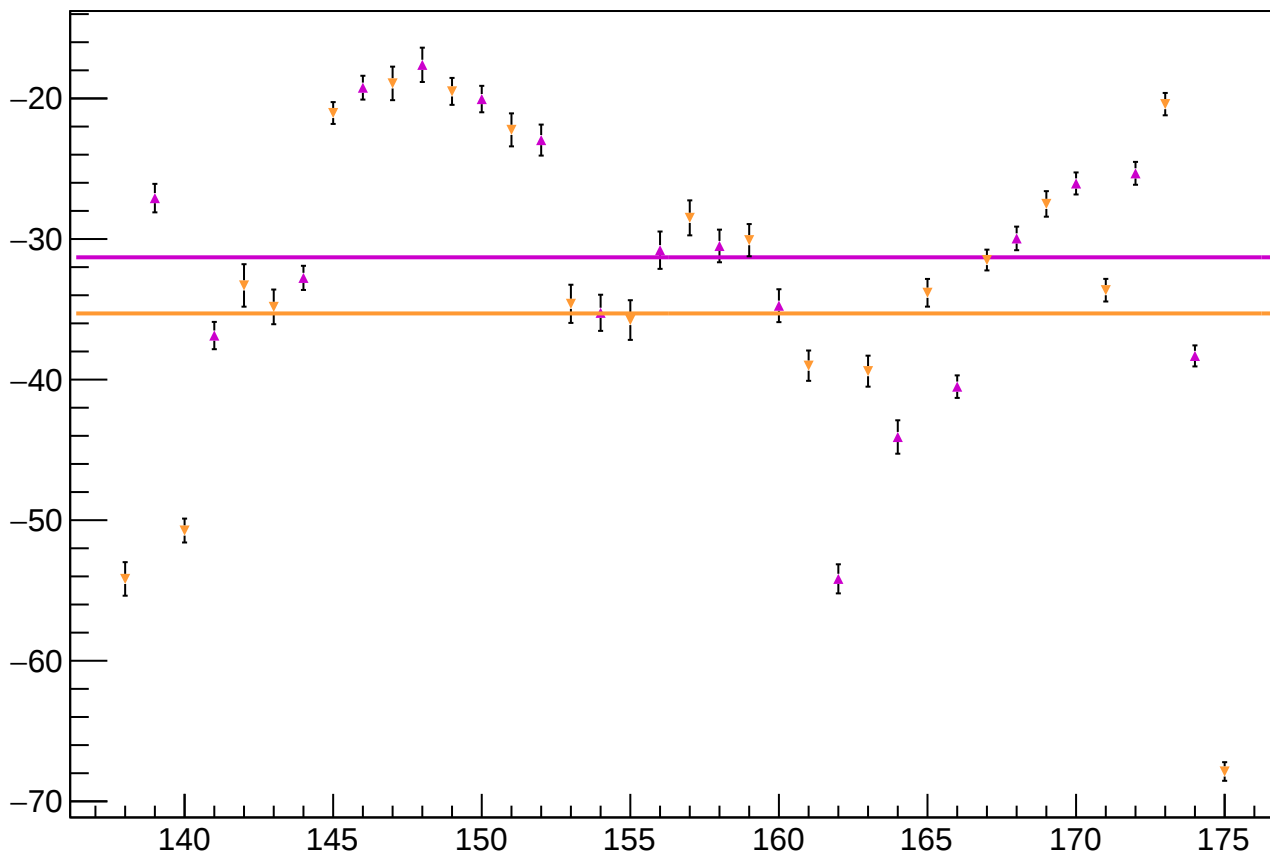
Right: -0.756 ± 0.018 χ^2/NDF : 2315.2/35

In: -0.296 ± 0.010 χ^2/NDF : 2732.9/34

Out: -0.329 ± 0.009 χ^2/NDF : 2517.6/38

All: -0.313 ± 0.007 χ^2/NDF : 5256.2/73

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -35.293 $\pm$ 0.218 χ^2/NDF : 4456.8/19

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

Left In: -31.301 $\pm$ 0.226 χ^2/NDF : 1526.0/17

Left: -33.364 $\pm$ 0.157 χ^2/NDF : 6144.3/37

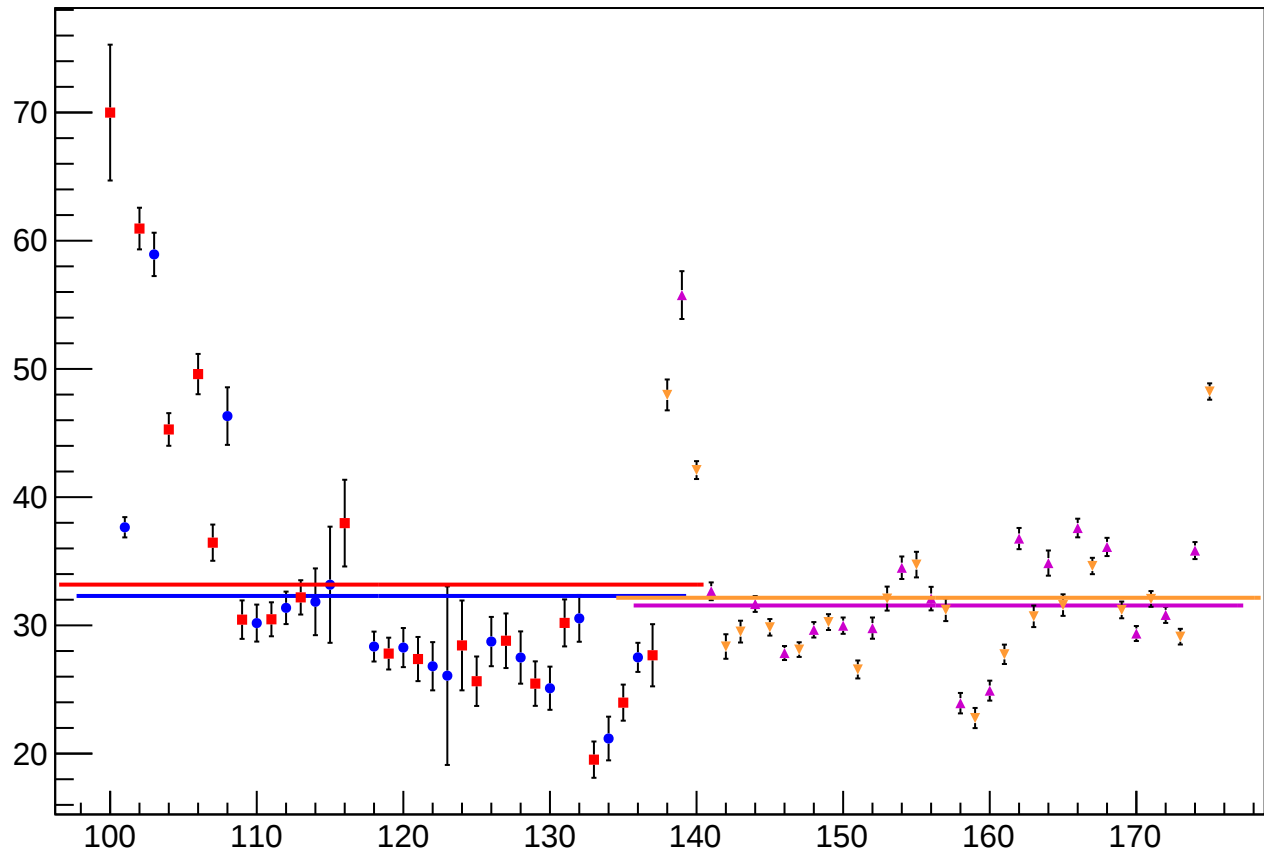
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -31.301 $\pm$ 0.226 χ^2/NDF : 1526.0/17

Out: -35.293 $\pm$ 0.218 χ^2/NDF : 4456.8/19

All: -33.364 $\pm$ 0.157 χ^2/NDF : 6144.3/37

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: 32.153 ± 0.163 $\chi^2/\text{NDF}: 1404.2/19$

Right Out: 33.180 ± 0.379 $\chi^2/\text{NDF}: 770.3/18$

Left In: 31.551 ± 0.169 $\chi^2/\text{NDF}: 632.0/17$

Left: 31.863 ± 0.117 $\chi^2/\text{NDF}: 2042.8/37$

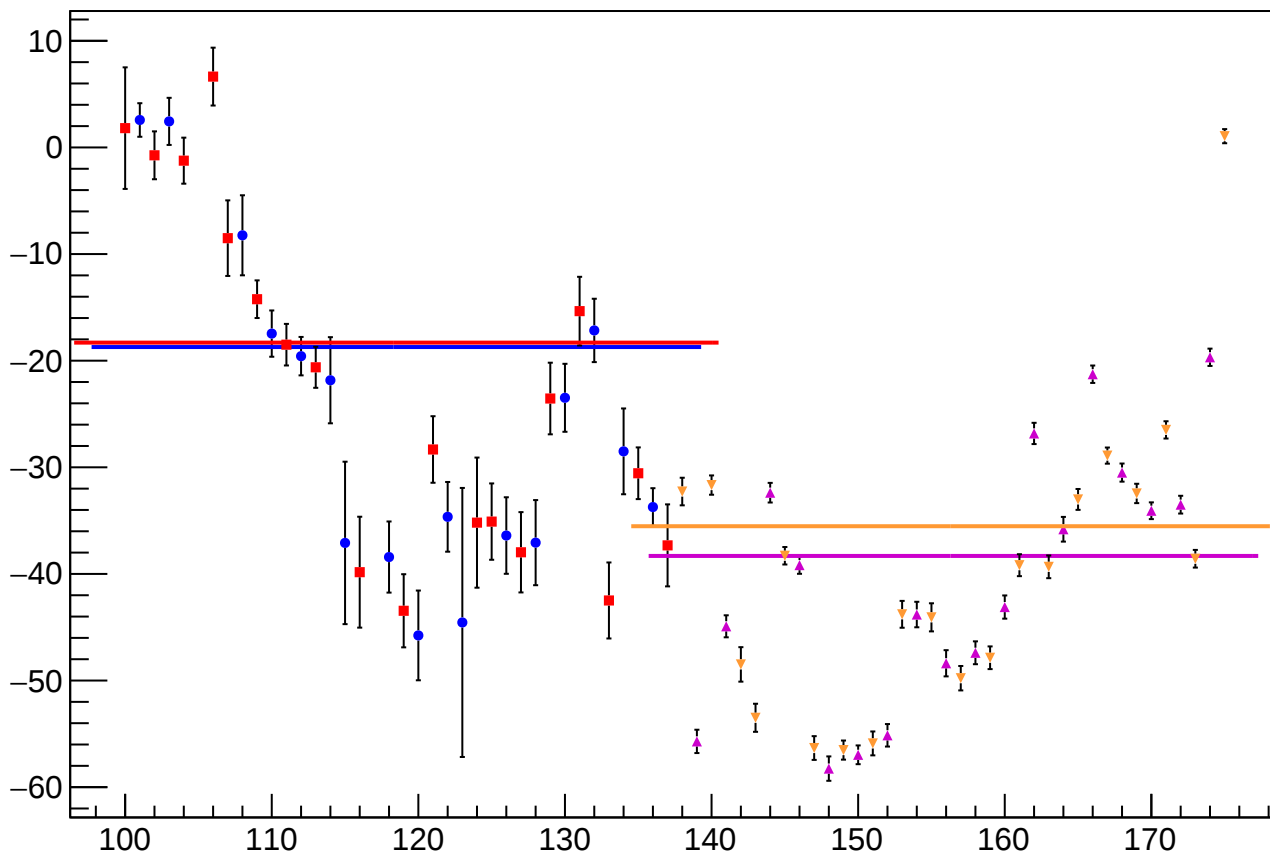
Right: 32.730 ± 0.266 $\chi^2/\text{NDF}: 1225.3/35$

In: 31.678 ± 0.154 $\chi^2/\text{NDF}: 1087.5/34$

Out: 32.313 ± 0.150 $\chi^2/\text{NDF}: 2180.7/38$

All: 32.005 ± 0.107 $\chi^2/\text{NDF}: 3276.9/73$

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: -35.526 ± 0.218 $\chi^2/\text{NDF}: 5198.5/19$

Right Out: -18.306 ± 0.644 $\chi^2/\text{NDF}: 472.6/18$

Left In: -38.313 ± 0.225 $\chi^2/\text{NDF}: 2770.8/17$

Left: -36.874 ± 0.157 $\chi^2/\text{NDF}: 8048.4/37$

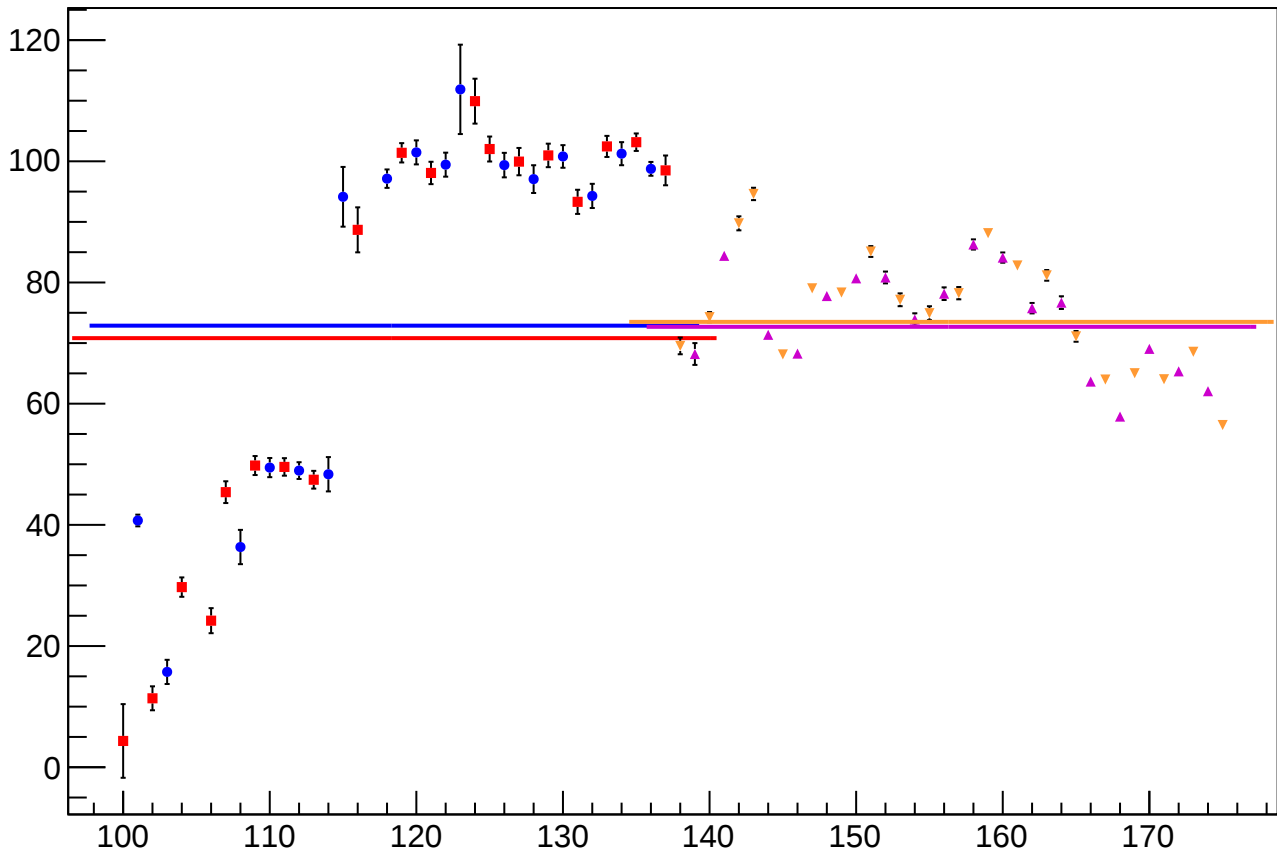
Right: -18.506 ± 0.463 $\chi^2/\text{NDF}: 992.4/35$

In: -36.299 ± 0.213 $\chi^2/\text{NDF}: 4068.3/34$

Out: -33.754 ± 0.206 $\chi^2/\text{NDF}: 6313.5/38$

All: -34.985 ± 0.148 $\chi^2/\text{NDF}: 10455.2/73$

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: 73.502 $\pm$ 0.186 χ^2 /NDF: 2729.6/19

Right Out: 70.815 $\pm$ 0.433 χ^2 /NDF: 5489.3/18

Left In: 72.684 $\pm$ 0.193 χ^2 /NDF: 1810.3/17

Left: 73.108 $\pm$ 0.134 χ^2 /NDF: 4549.1/37

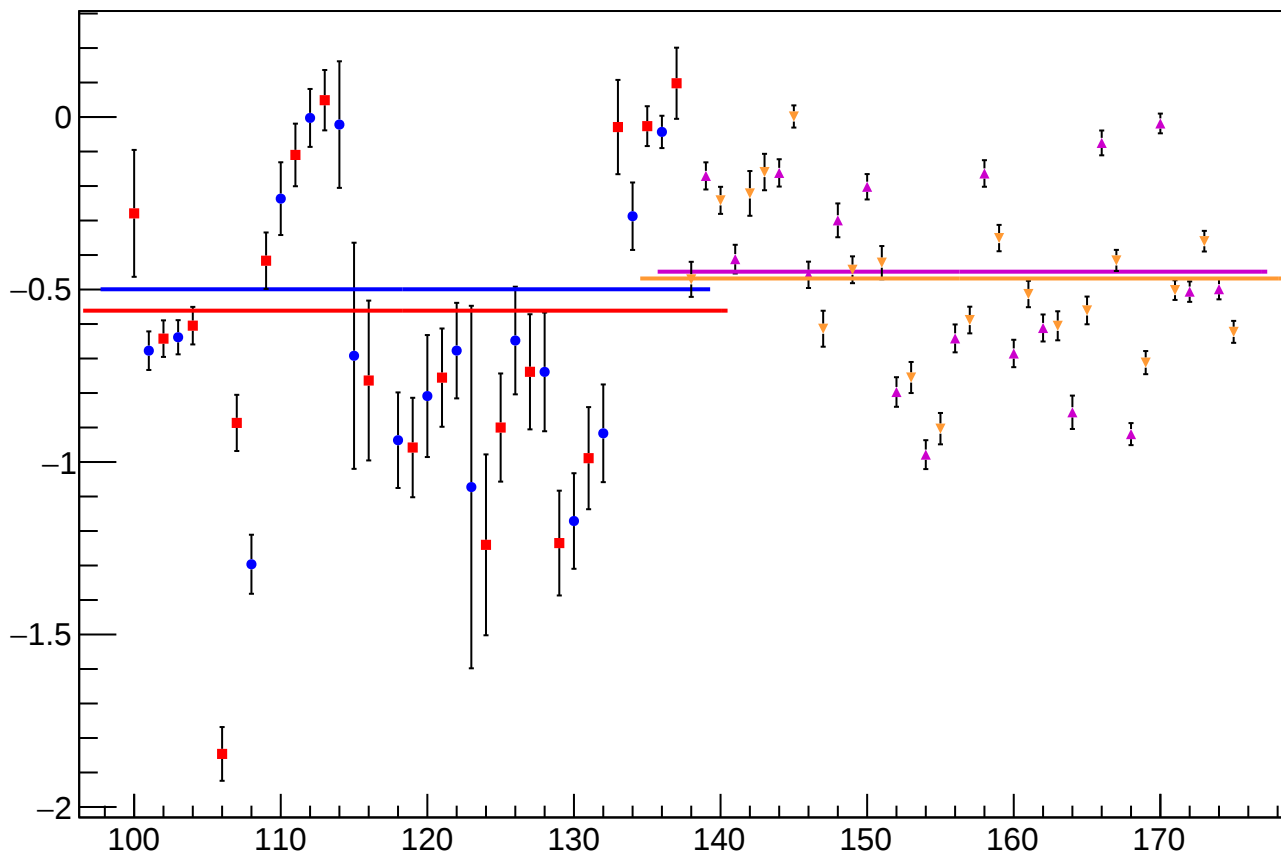
Right: 71.863 $\pm$ 0.304 χ^2 /NDF: 10238.7/35

In: 72.717 $\pm$ 0.176 χ^2 /NDF: 6548.4/34

Out: 73.084 $\pm$ 0.171 χ^2 /NDF: 8251.3/38

All: 72.906 $\pm$ 0.122 χ^2 /NDF: 14801.9/73

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: -0.468 ± 0.009 χ^2/NDF : 566.8/19

Right Out: -0.561 ± 0.021 χ^2/NDF : 562.3/18

Left In: -0.448 ± 0.009 χ^2/NDF : 1142.1/17

Left: -0.458 ± 0.006 χ^2/NDF : 1711.5/37

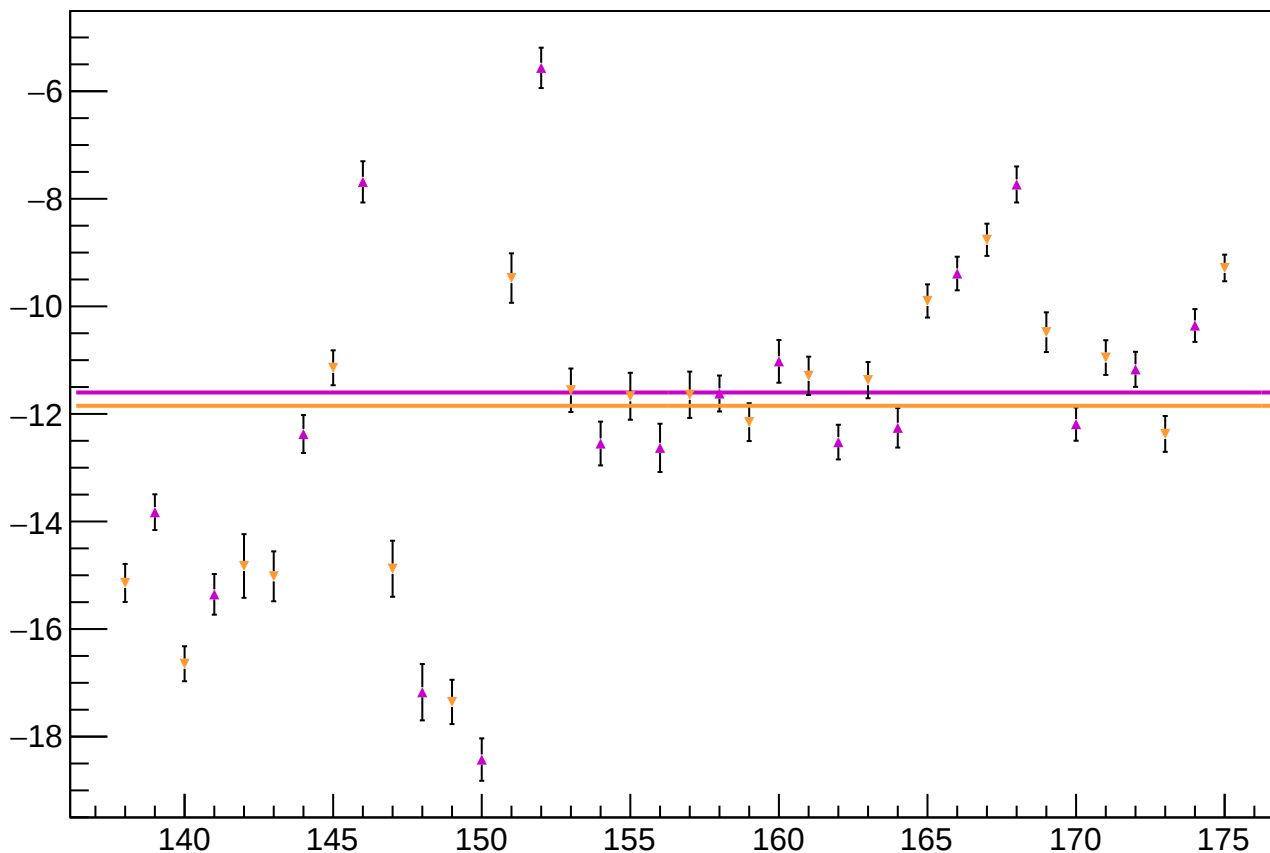
Right: -0.532 ± 0.015 χ^2/NDF : 869.9/35

In: -0.455 ± 0.008 χ^2/NDF : 1450.1/34

Out: -0.481 ± 0.008 χ^2/NDF : 1145.5/38

All: -0.468 ± 0.006 χ^2/NDF : 2600.8/73

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: -11.848+/-0.081 χ^2/NDF : 903.5/19

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

Left In: -11.601+/-0.084 χ^2/NDF : 1153.4/17

Left: -11.730+/-0.058 χ^2/NDF : 2061.4/37

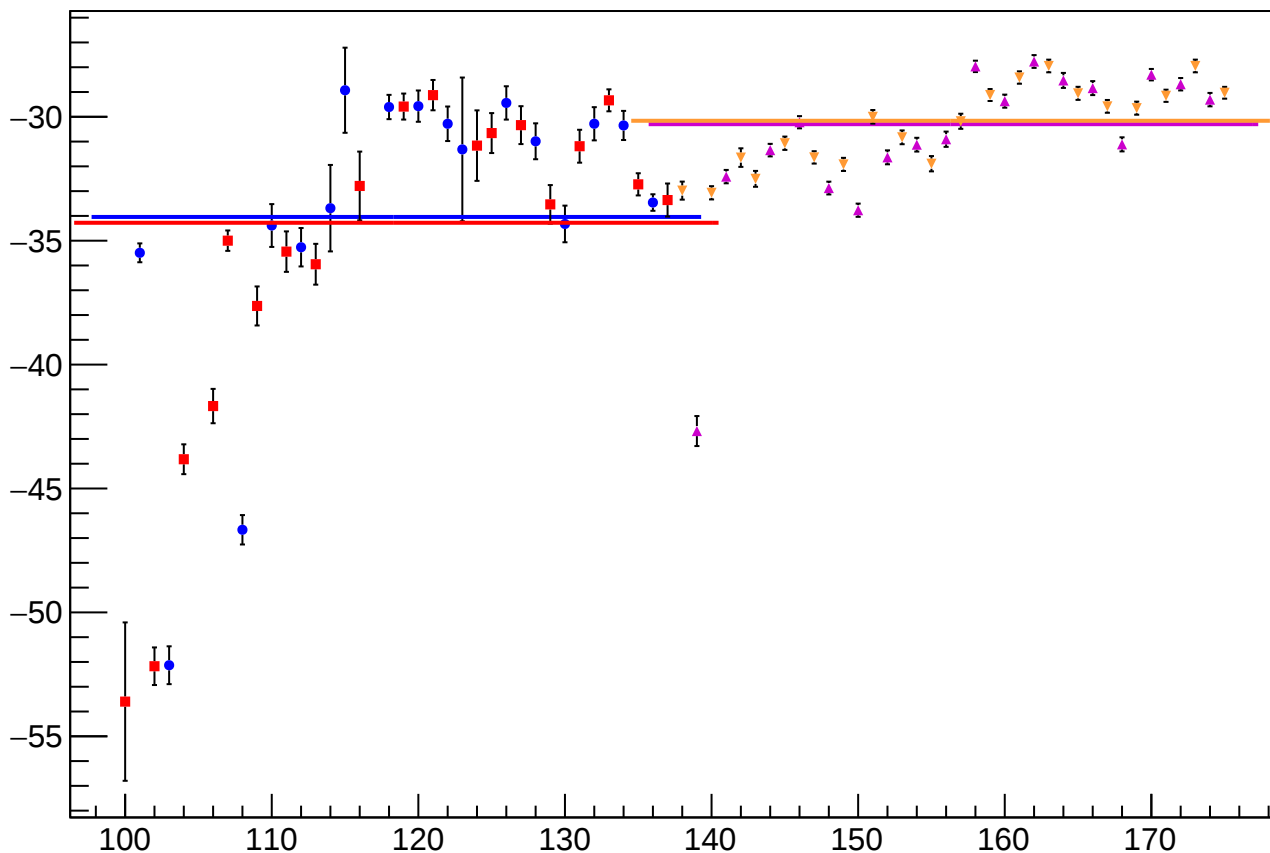
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -11.601+/-0.084 χ^2/NDF : 1153.4/17

Out: -11.848+/-0.081 χ^2/NDF : 903.5/19

All: -11.730+/-0.058 χ^2/NDF : 2061.4/37

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: -30.160 ± 0.061 χ^2/NDF : 656.7/19

Right Out: -34.277 ± 0.151 χ^2/NDF : 1349.5/18

Left In: -30.298 ± 0.064 χ^2/NDF : 1209.8/17

Left: -30.226 ± 0.044 χ^2/NDF : 1869.0/37

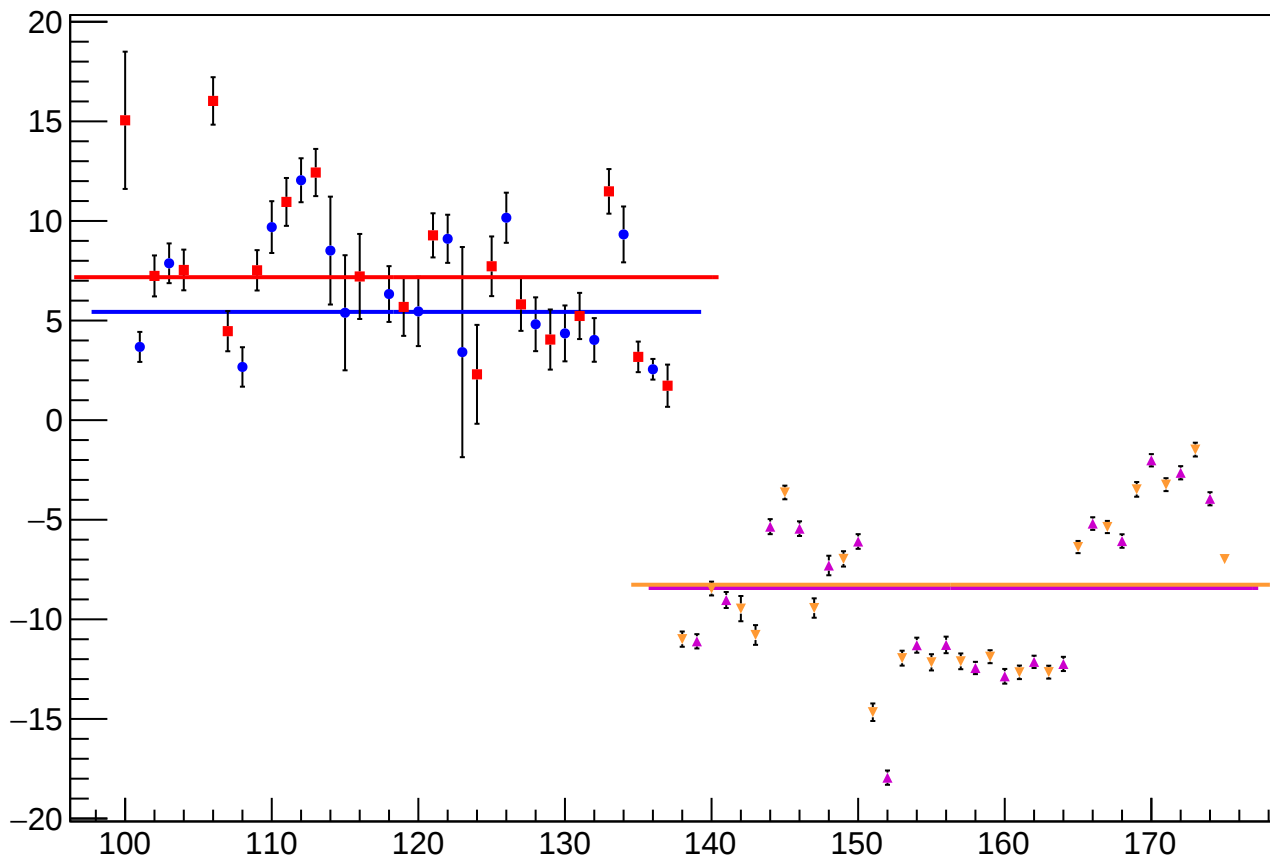
Right: -34.159 ± 0.107 χ^2/NDF : 2691.4/35

In: -30.867 ± 0.059 χ^2/NDF : 3073.9/34

Out: -30.735 ± 0.056 χ^2/NDF : 2647.1/38

All: -30.798 ± 0.041 χ^2/NDF : 5723.7/73

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.435 ± 0.270 χ^2/NDF : 132.0/16

Left Out: -8.262 ± 0.080 χ^2/NDF : 2191.5/19

Right Out: 7.177 ± 0.274 χ^2/NDF : 182.6/18

Left In: -8.427 ± 0.083 χ^2/NDF : 2679.9/17

Left: -8.341 ± 0.058 χ^2/NDF : 4873.5/37

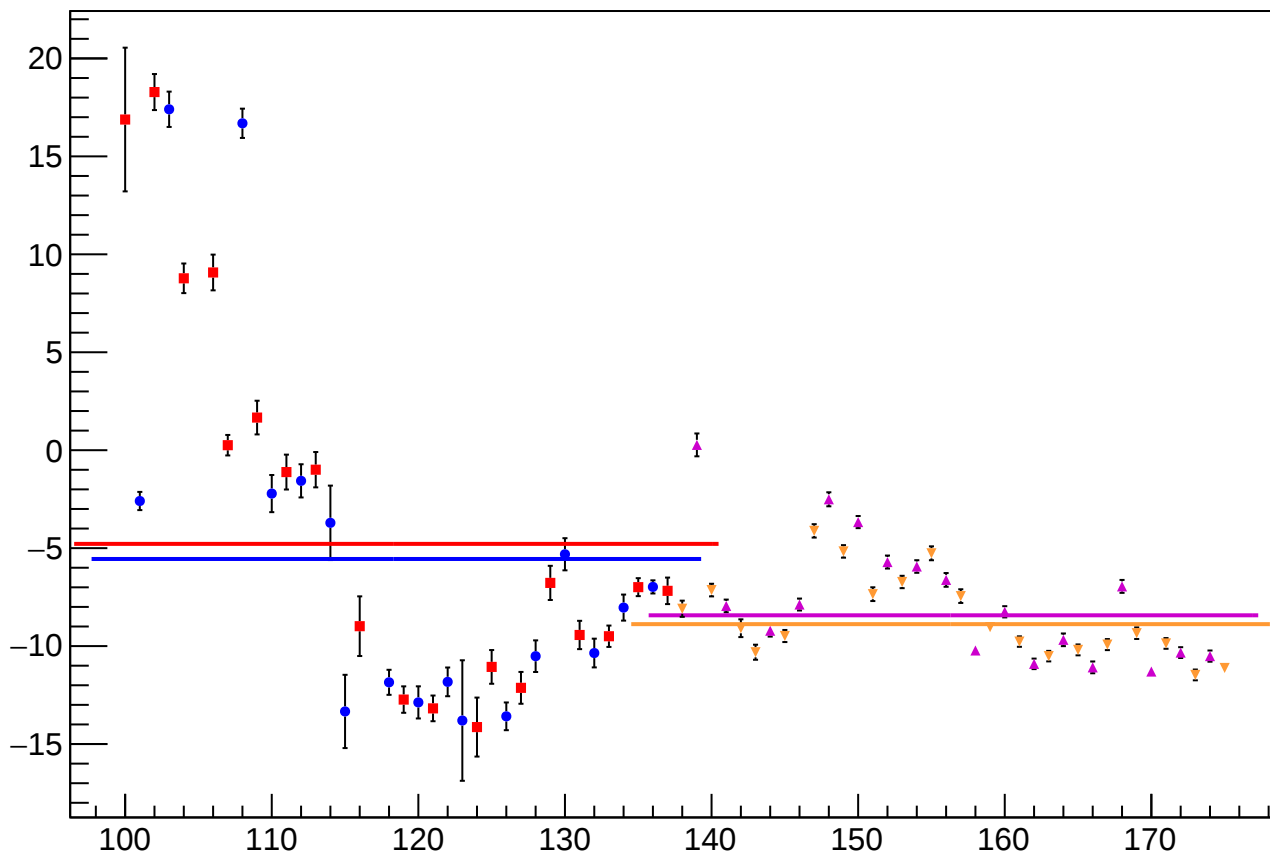
Right: 6.291 ± 0.192 χ^2/NDF : 335.1/35

In: -7.215 ± 0.080 χ^2/NDF : 5224.9/34

Out: -7.050 ± 0.077 χ^2/NDF : 5296.5/38

All: -7.129 ± 0.055 χ^2/NDF : 10523.5/73

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.553 ± 0.170 $\chi^2/\text{NDF}: 2125.3/16$

Left Out: -8.880 ± 0.069 $\chi^2/\text{NDF}: 832.8/19$

Right Out: -4.782 ± 0.173 $\chi^2/\text{NDF}: 2040.4/18$

Left In: -8.428 ± 0.072 $\chi^2/\text{NDF}: 1383.3/17$

Left: -8.665 ± 0.050 $\chi^2/\text{NDF}: 2236.8/37$

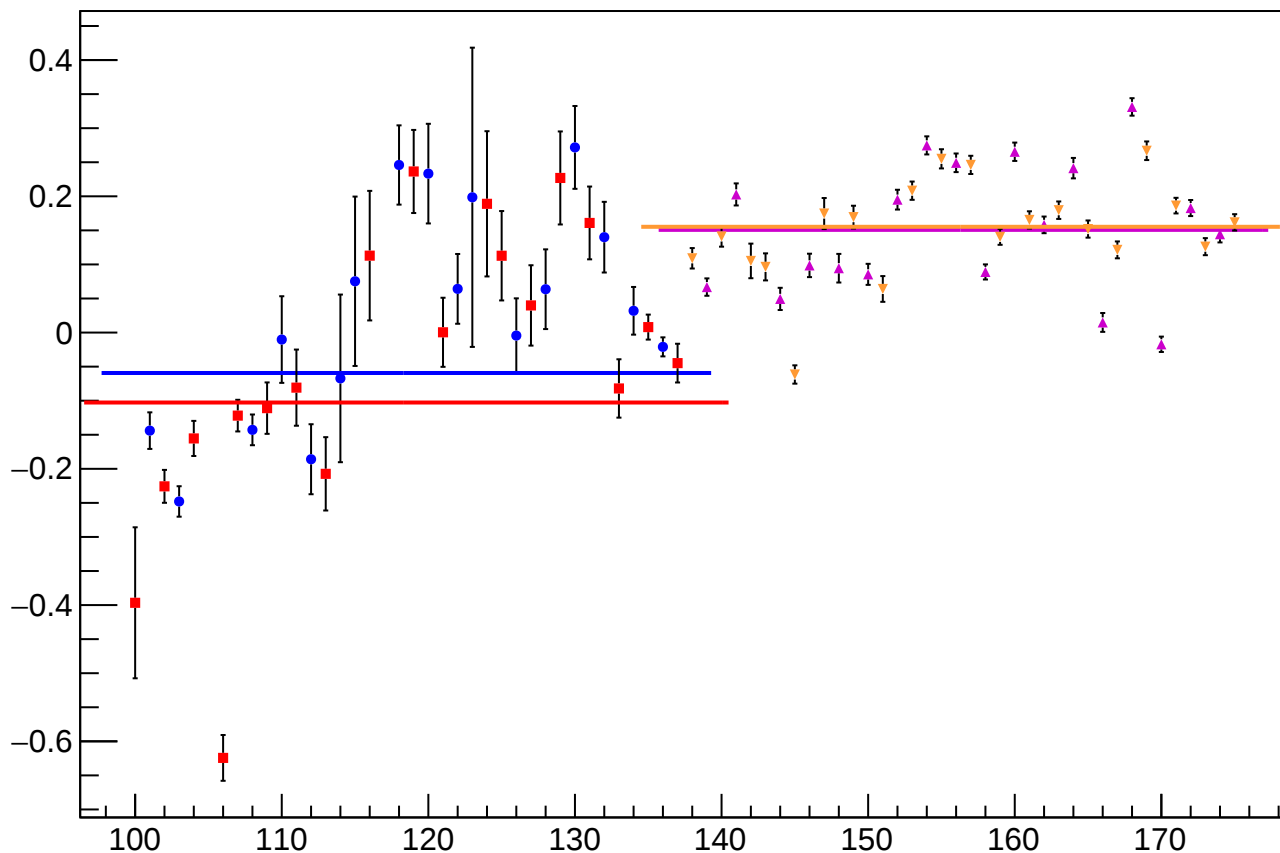
Right: -5.174 ± 0.121 $\chi^2/\text{NDF}: 4175.8/35$

In: -7.992 ± 0.066 $\chi^2/\text{NDF}: 3751.6/34$

Out: -8.323 ± 0.064 $\chi^2/\text{NDF}: 3359.0/38$

All: -8.163 ± 0.046 $\chi^2/\text{NDF}: 7123.5/73$

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 : 513.1/19

Right Out: -0.103 ± 0.008 χ^2/NDF : 435.5/18

Left In: 0.151 ± 0.003 χ^2/NDF : 939.4/17

Left: 0.153 ± 0.002 χ^2/NDF : 1453.5/37

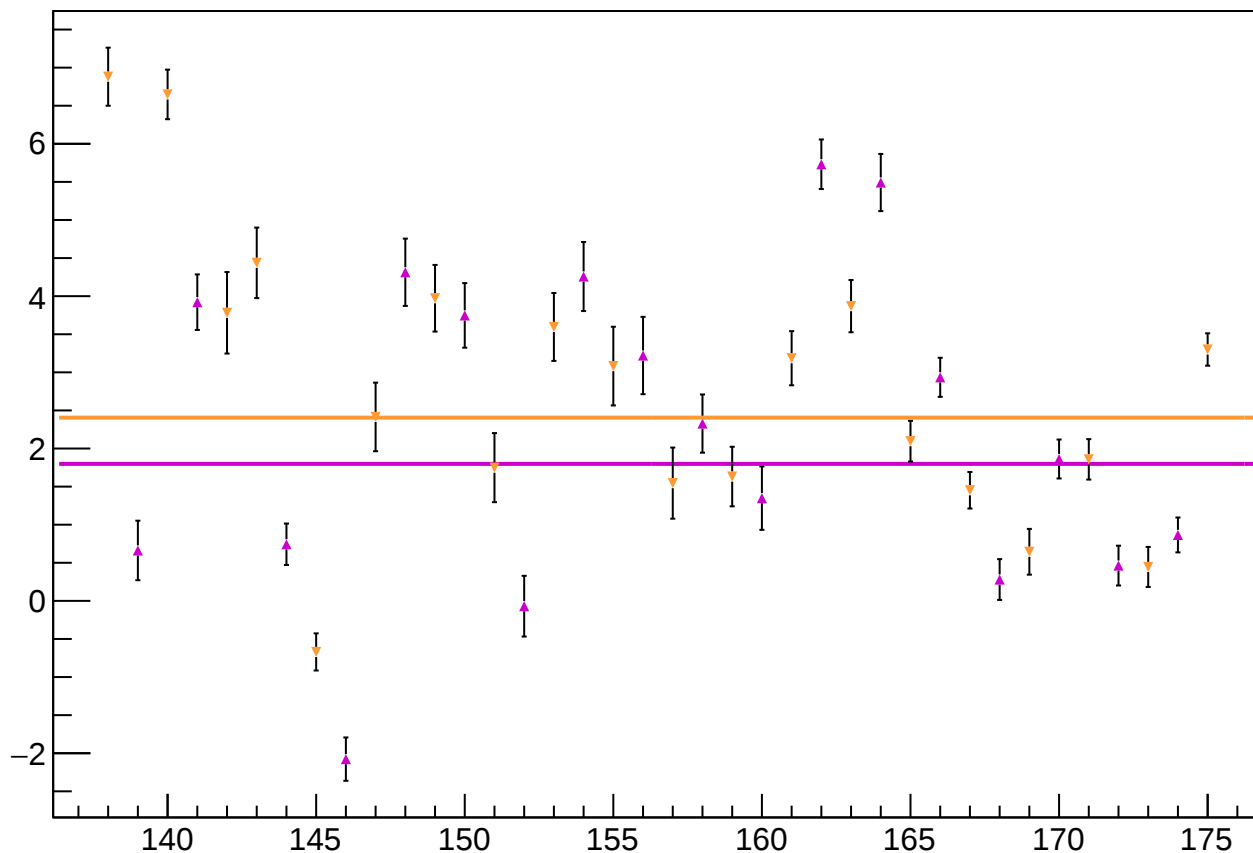
Right: -0.081 ± 0.006 χ^2/NDF : 666.4/35

In: 0.124 ± 0.003 χ^2/NDF : 1704.1/34

Out: 0.124 ± 0.003 χ^2/NDF : 1772.9/38

All: 0.124 ± 0.002 χ^2/NDF : 3476.9/73

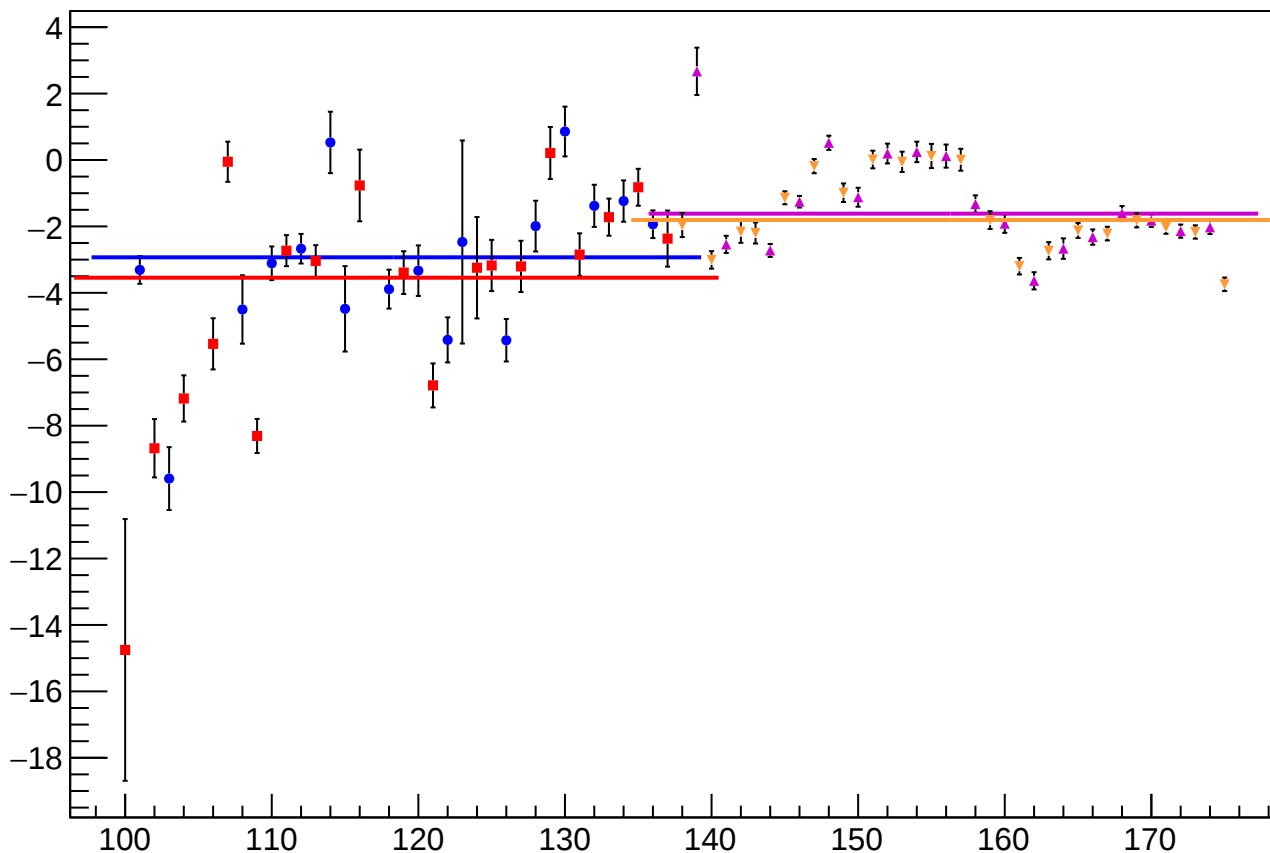
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 2.405+/-0.073 χ^2/NDF :676.2/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 1.798+/-0.076 χ^2/NDF :696.4/17

Left: 2.113+/-0.053 χ^2/NDF : 1405.7/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 1.798+/-0.076 χ^2/NDF :696.4/17
 Out: 2.405+/-0.073 χ^2/NDF :676.2/19
 All: 2.113+/-0.053 χ^2/NDF : 1405.7/37

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: -1.806 ± 0.055 $\chi^2/\text{NDF}: 383.8/19$

Right Out: -3.544 ± 0.155 $\chi^2/\text{NDF}: 291.7/18$

Left In: -1.615 ± 0.057 $\chi^2/\text{NDF}: 381.4/17$

Left: -1.713 ± 0.040 $\chi^2/\text{NDF}: 771.0/37$

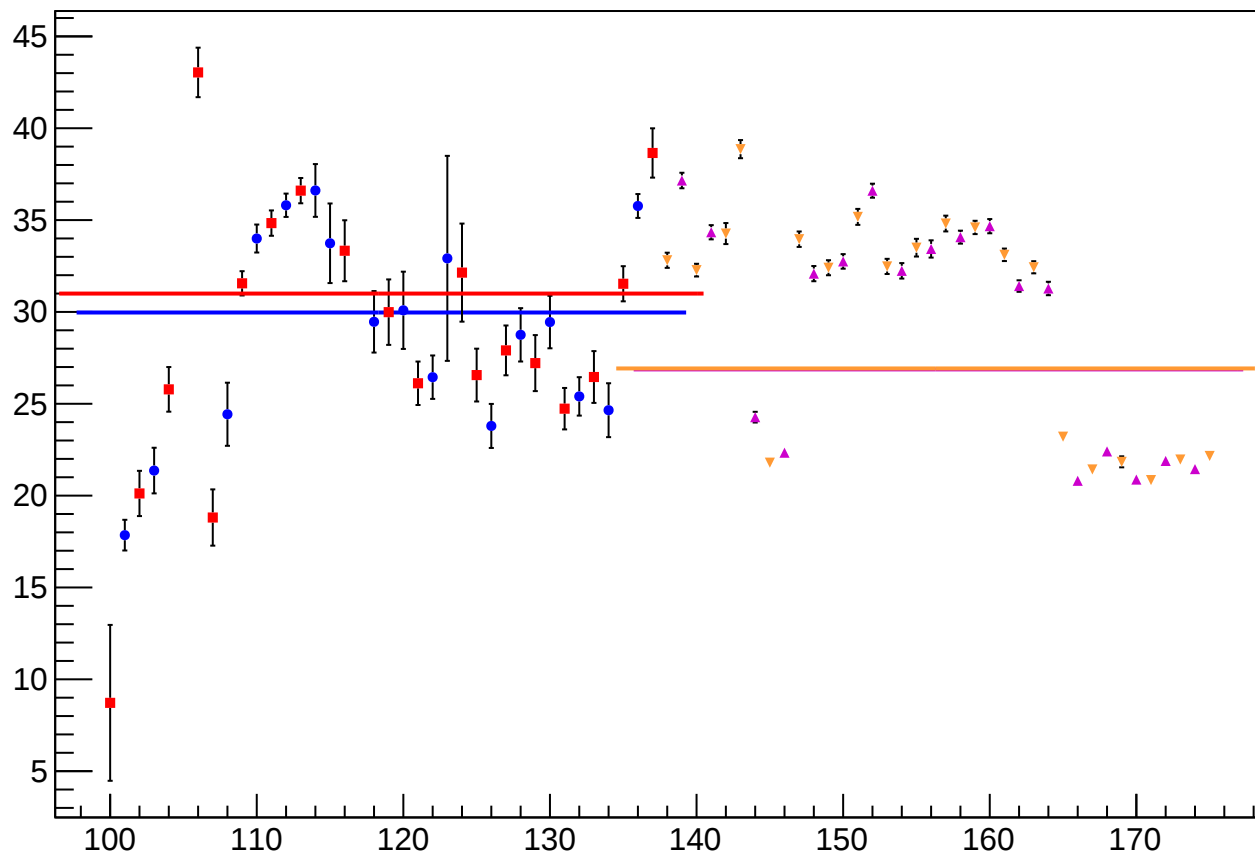
Right: -3.236 ± 0.109 $\chi^2/\text{NDF}: 446.1/35$

In: -1.773 ± 0.053 $\chi^2/\text{NDF}: 592.2/34$

Out: -2.003 ± 0.052 $\chi^2/\text{NDF}: 787.5/38$

All: -1.891 ± 0.037 $\chi^2/\text{NDF}: 1389.2/73$

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.969+/-0.267 χ^2/NDF : 554.3/16

Left Out: 26.923+/-0.073 χ^2/NDF : 6490.5/19

Right Out: 31.000+/-0.260 χ^2/NDF : 479.5/18

Left In: 26.871+/-0.076 χ^2/NDF : 6070.5/17

Left: 26.898+/-0.053 χ^2/NDF : 12561.2/37

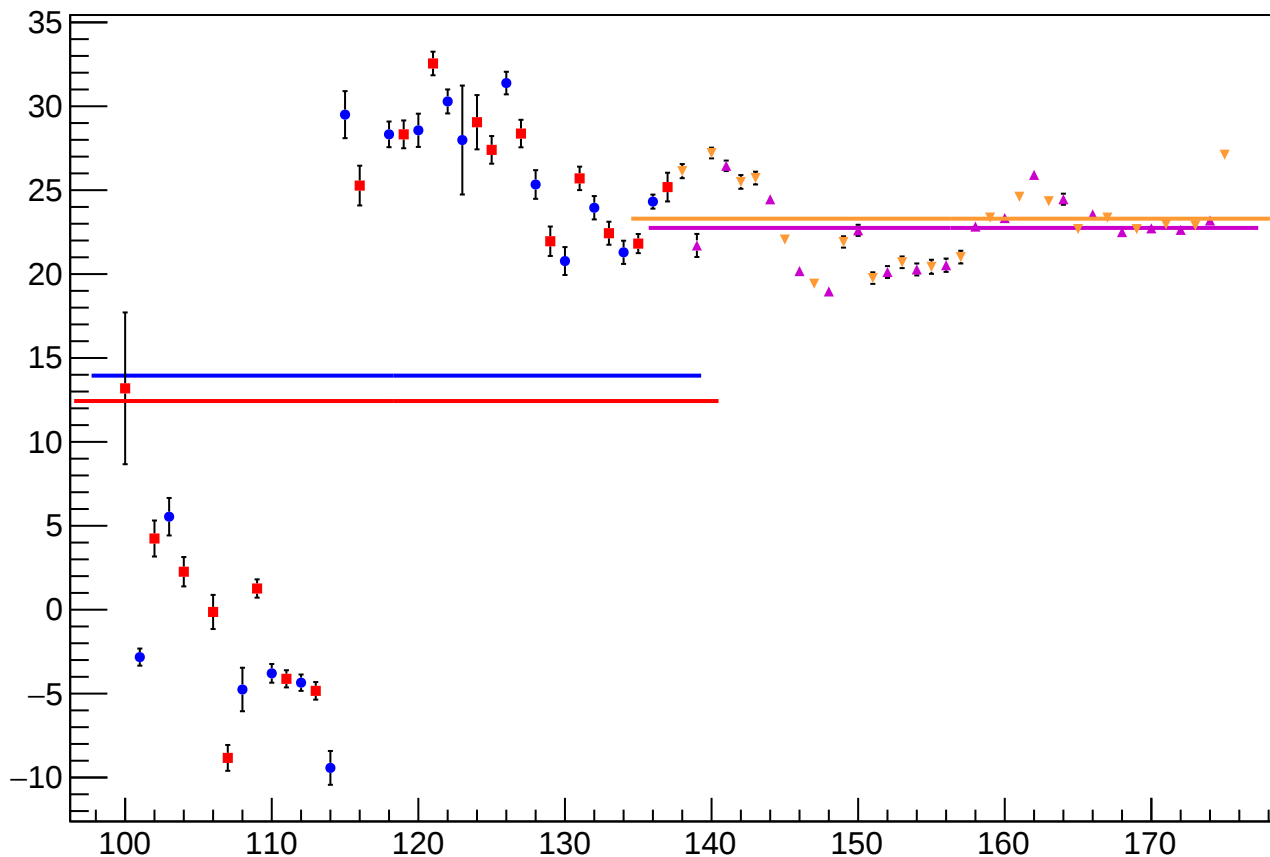
Right: 30.497+/-0.186 χ^2/NDF : 1041.5/35

In: 27.104+/-0.073 χ^2/NDF : 6749.5/34

Out: 27.224+/-0.071 χ^2/NDF : 7197.7/38

All: 27.166+/-0.051 χ^2/NDF : 13948.7/73

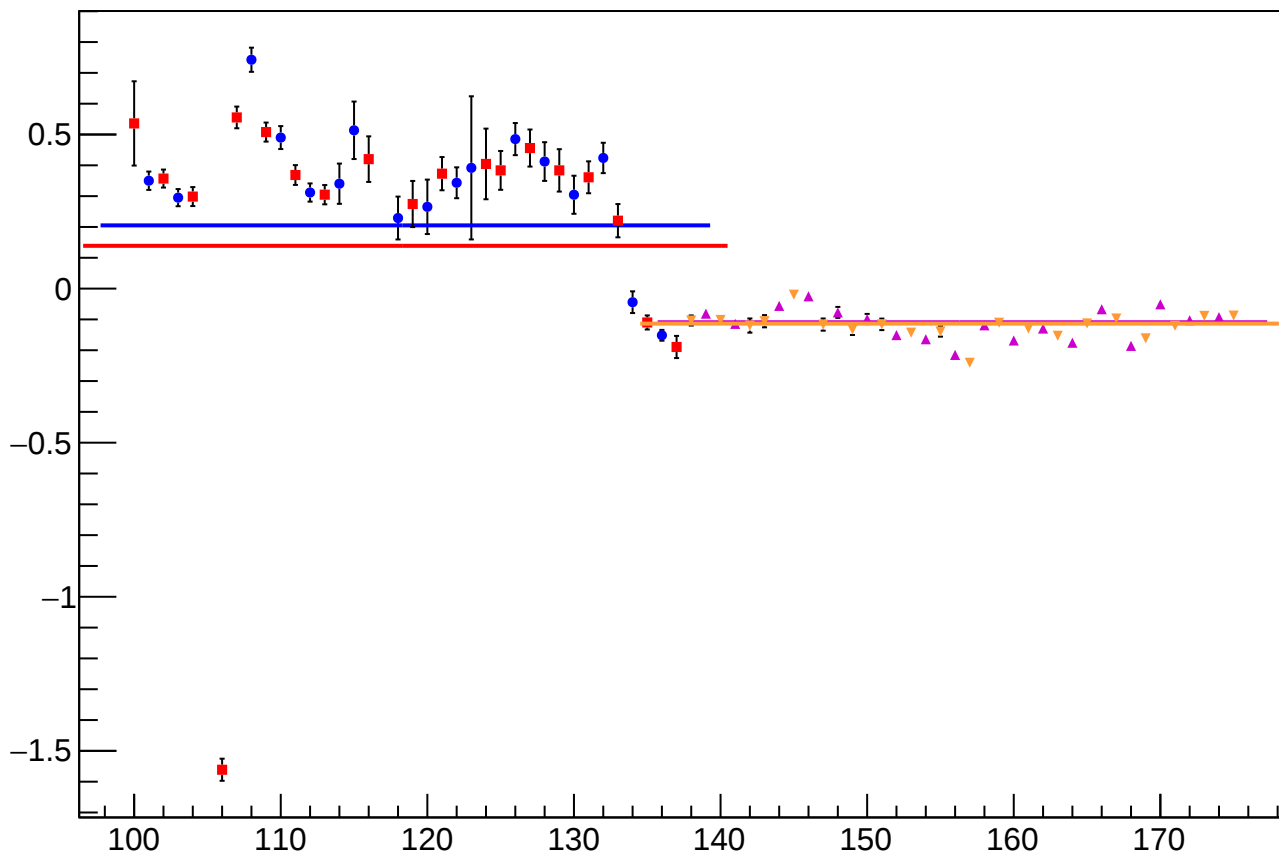
reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.948 +/- 0.172 χ^2/NDF : 7391.9/16
 Left Out: 23.301 +/- 0.063 χ^2/NDF : 1104.0/19
 Right Out: 12.435 +/- 0.174 χ^2/NDF : 6962.9/18
 Left In: 22.751 +/- 0.065 χ^2/NDF : 812.5/17

Left: 23.035 +/- 0.045 χ^2/NDF : 1953.9/37
 Right: 13.199 +/- 0.122 χ^2/NDF : 14393.1/35
 In: 21.658 +/- 0.061 χ^2/NDF : 10499.6/34
 Out: 22.053 +/- 0.059 χ^2/NDF : 11531.7/38
 All: 21.861 +/- 0.042 χ^2/NDF : 22053.0/73

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: -0.114 ± 0.003 χ^2/NDF : 216.1/19

Right Out: 0.139 ± 0.009 χ^2/NDF : 3016.8/18

Left In: -0.109 ± 0.003 χ^2/NDF : 289.2/17

Left: -0.111 ± 0.002 χ^2/NDF : 506.5/37

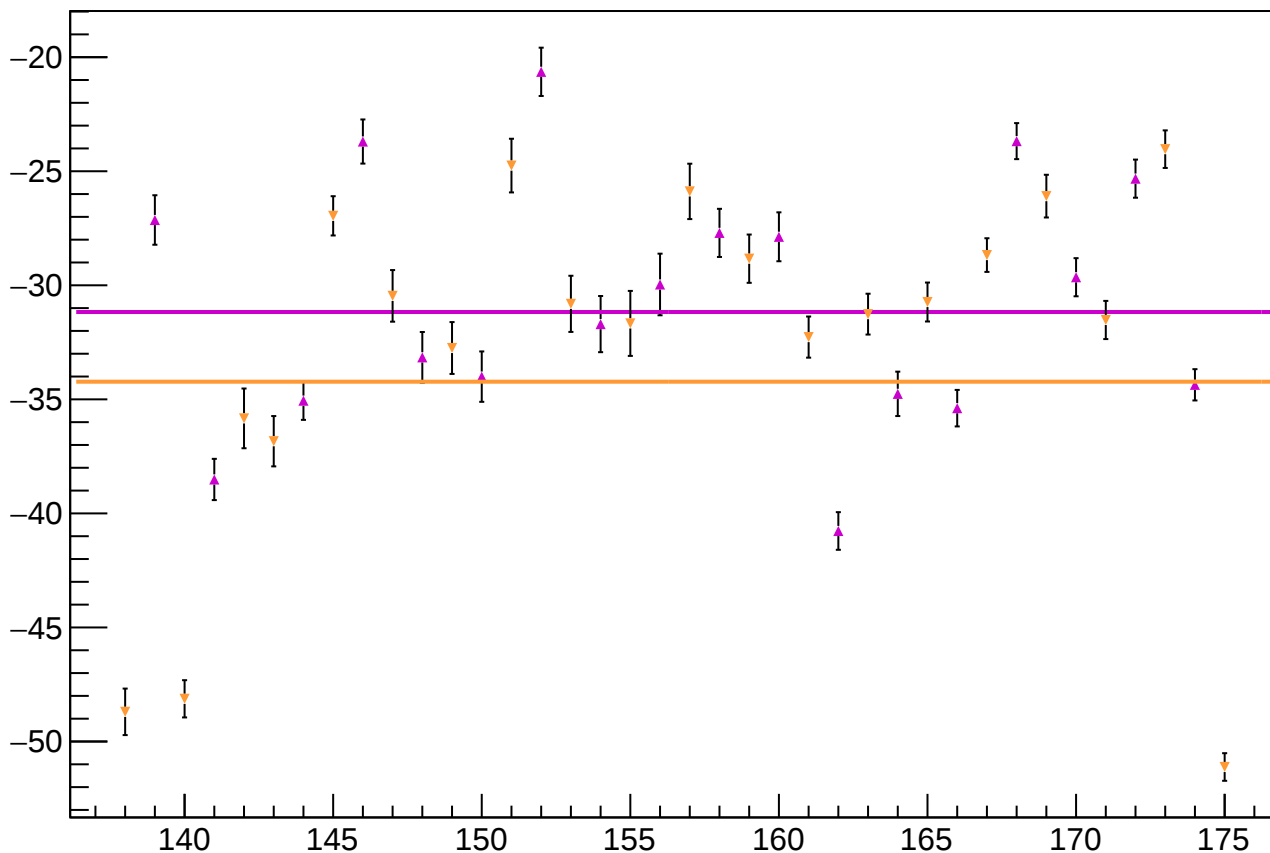
Right: 0.171 ± 0.007 χ^2/NDF : 3888.5/35

In: -0.081 ± 0.003 χ^2/NDF : 2160.9/34

Out: -0.091 ± 0.003 χ^2/NDF : 3919.0/38

All: -0.086 ± 0.002 χ^2/NDF : 6086.6/73

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



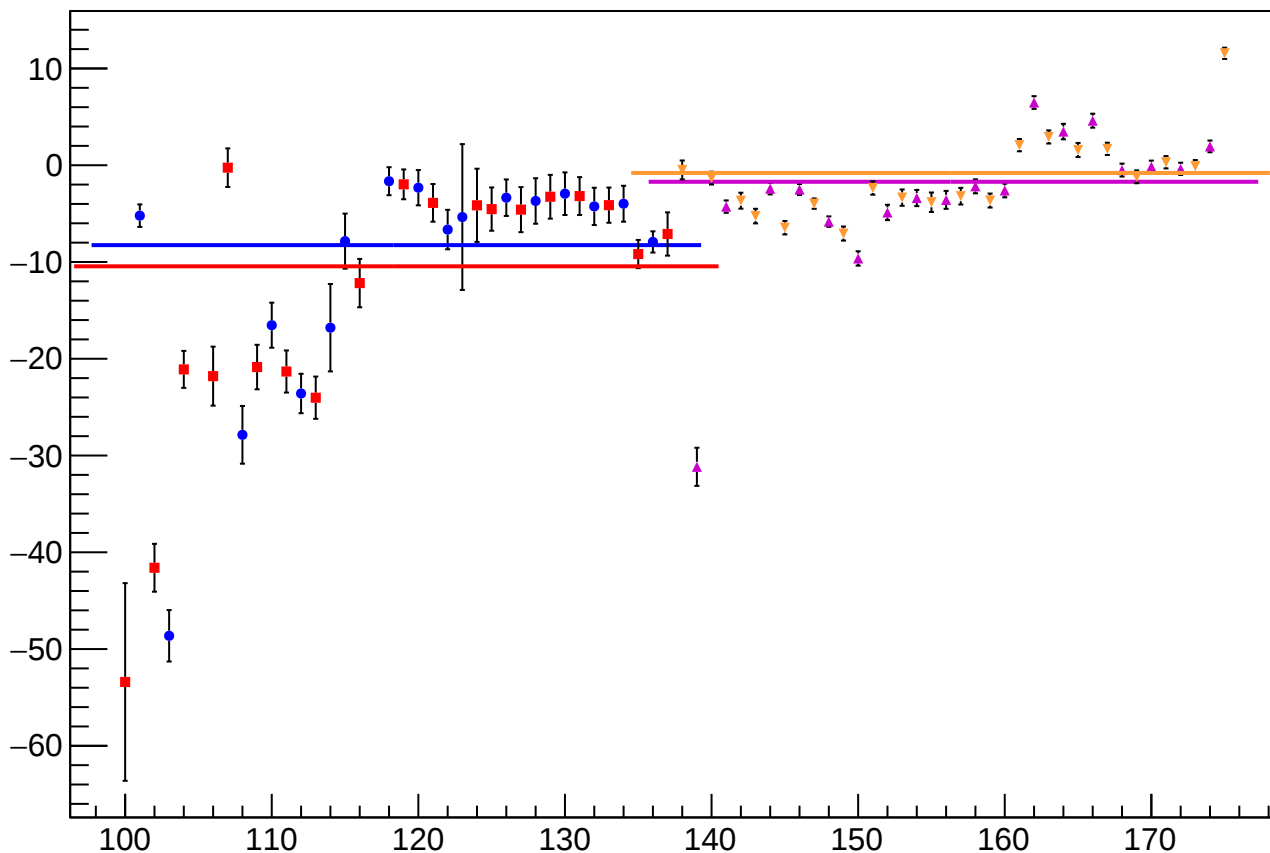
Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: -34.226 ± 0.210 χ^2/NDF : 1838.9/19
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -31.171 ± 0.220 χ^2/NDF : 631.2/17

Left: -32.767 ± 0.152 χ^2/NDF : 2571.2/37
 Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -31.171 ± 0.220 χ^2/NDF : 631.2/17
 Out: -34.226 ± 0.210 χ^2/NDF : 1838.9/19

All: -32.767 ± 0.152 χ^2/NDF : 2571.2/37

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.257 $\pm$ 0.462 χ^2/NDF : 412.1/16

Left Out: -0.796 $\pm$ 0.156 χ^2/NDF : 803.4/19

Right Out: -10.446 $\pm$ 0.491 χ^2/NDF : 428.4/18

Left In: -1.710 $\pm$ 0.163 χ^2/NDF : 763.9/17

Left: -1.234 $\pm$ 0.113 χ^2/NDF : 1583.8/37

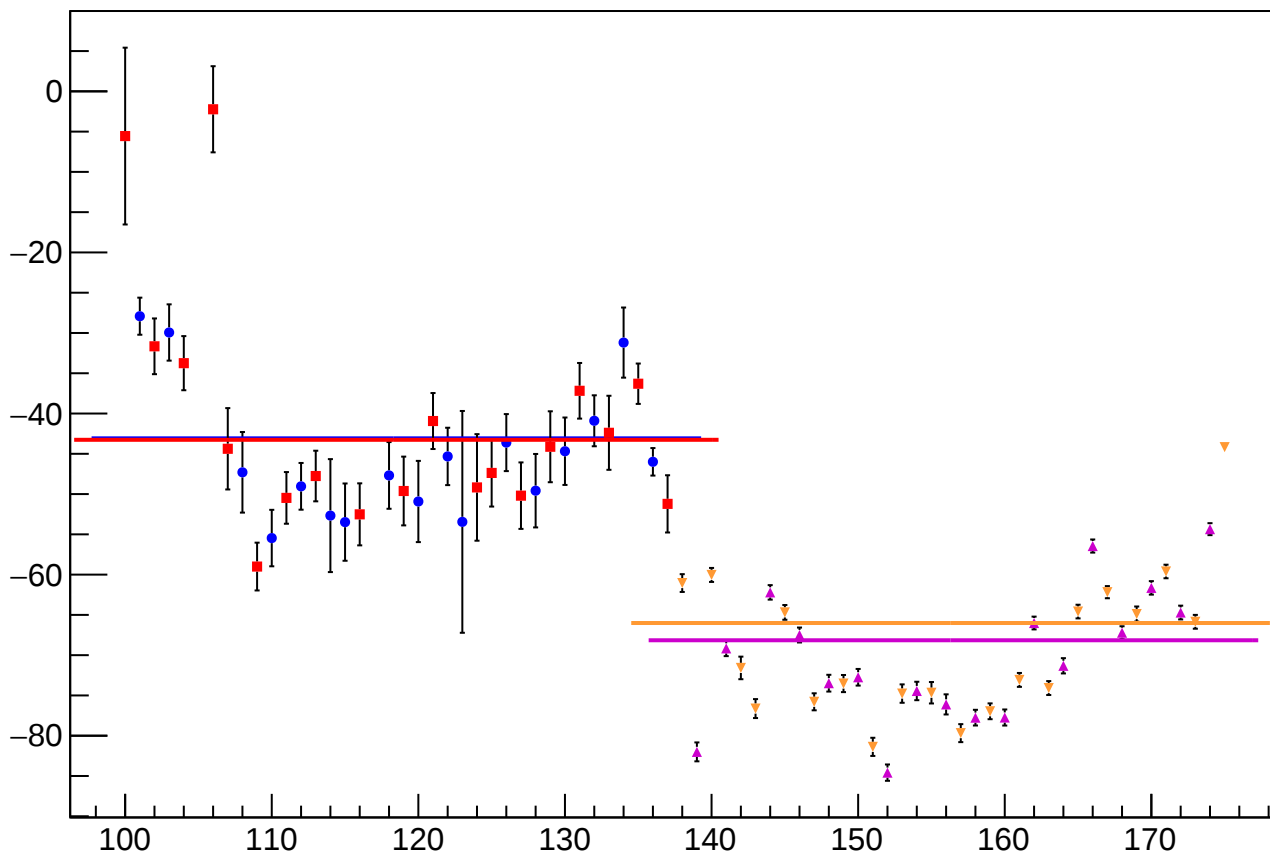
Right: -9.285 $\pm$ 0.337 χ^2/NDF : 851.1/35

In: -2.434 $\pm$ 0.154 χ^2/NDF : 1354.6/34

Out: -1.683 $\pm$ 0.149 χ^2/NDF : 1582.3/38

All: -2.046 $\pm$ 0.107 χ^2/NDF : 2949.2/73

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: -66.007 ± 0.210 $\chi^2/\text{NDF}: 2406.9/19$

Right Out: -43.262 ± 0.866 $\chi^2/\text{NDF}: 154.2/18$

Left In: -68.150 ± 0.219 $\chi^2/\text{NDF}: 1401.3/17$

Left: -67.032 ± 0.151 $\chi^2/\text{NDF}: 3858.3/37$

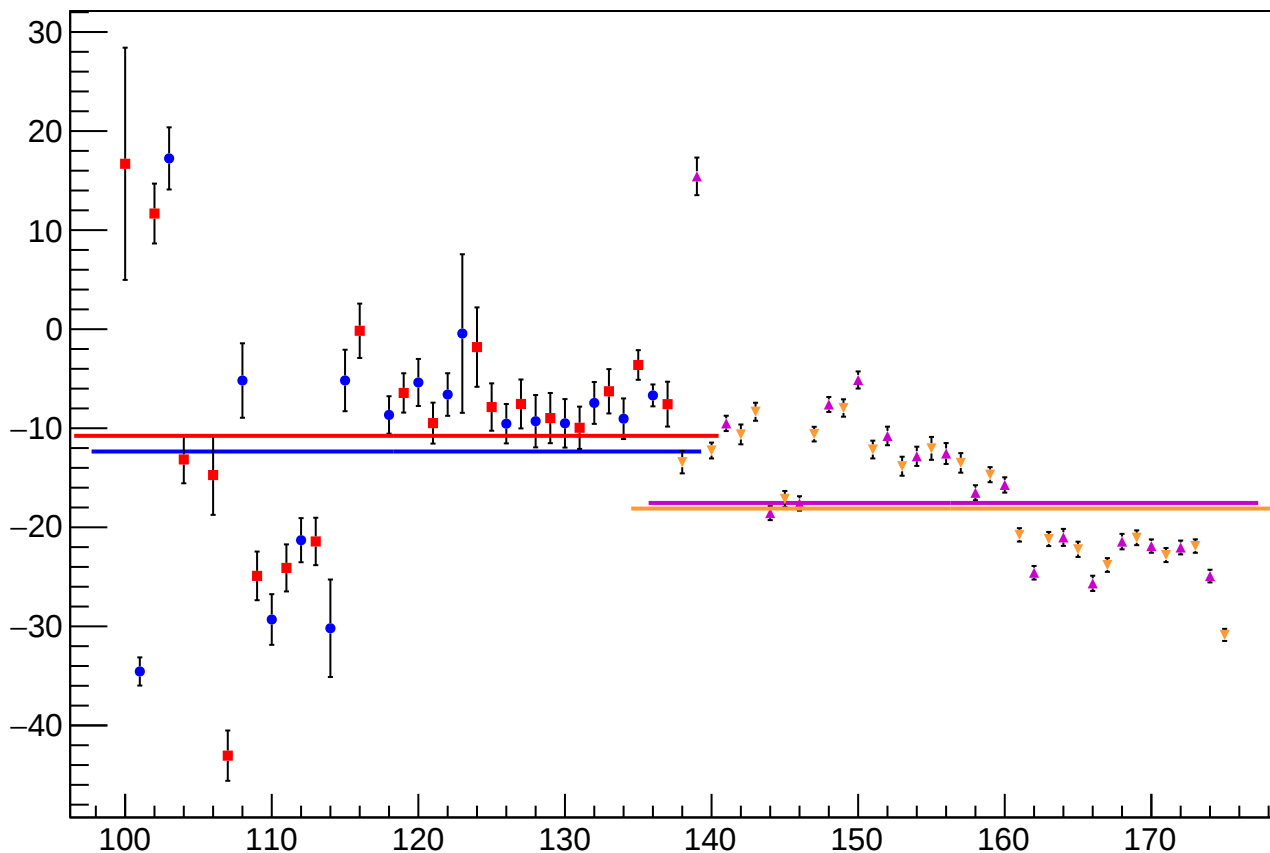
Right: -43.169 ± 0.601 $\chi^2/\text{NDF}: 253.4/35$

In: -66.536 ± 0.212 $\chi^2/\text{NDF}: 2345.3/34$

Out: -64.750 ± 0.204 $\chi^2/\text{NDF}: 3212.1/38$

All: -65.609 ± 0.147 $\chi^2/\text{NDF}: 5594.4/73$

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: -18.108 ± 0.178 $\chi^2/\text{NDF}: 1272.1/19$

Right Out: -10.765 ± 0.554 $\chi^2/\text{NDF}: 366.6/18$

Left In: -17.540 ± 0.186 $\chi^2/\text{NDF}: 1370.0/17$

Left: -17.836 ± 0.129 $\chi^2/\text{NDF}: 2646.9/37$

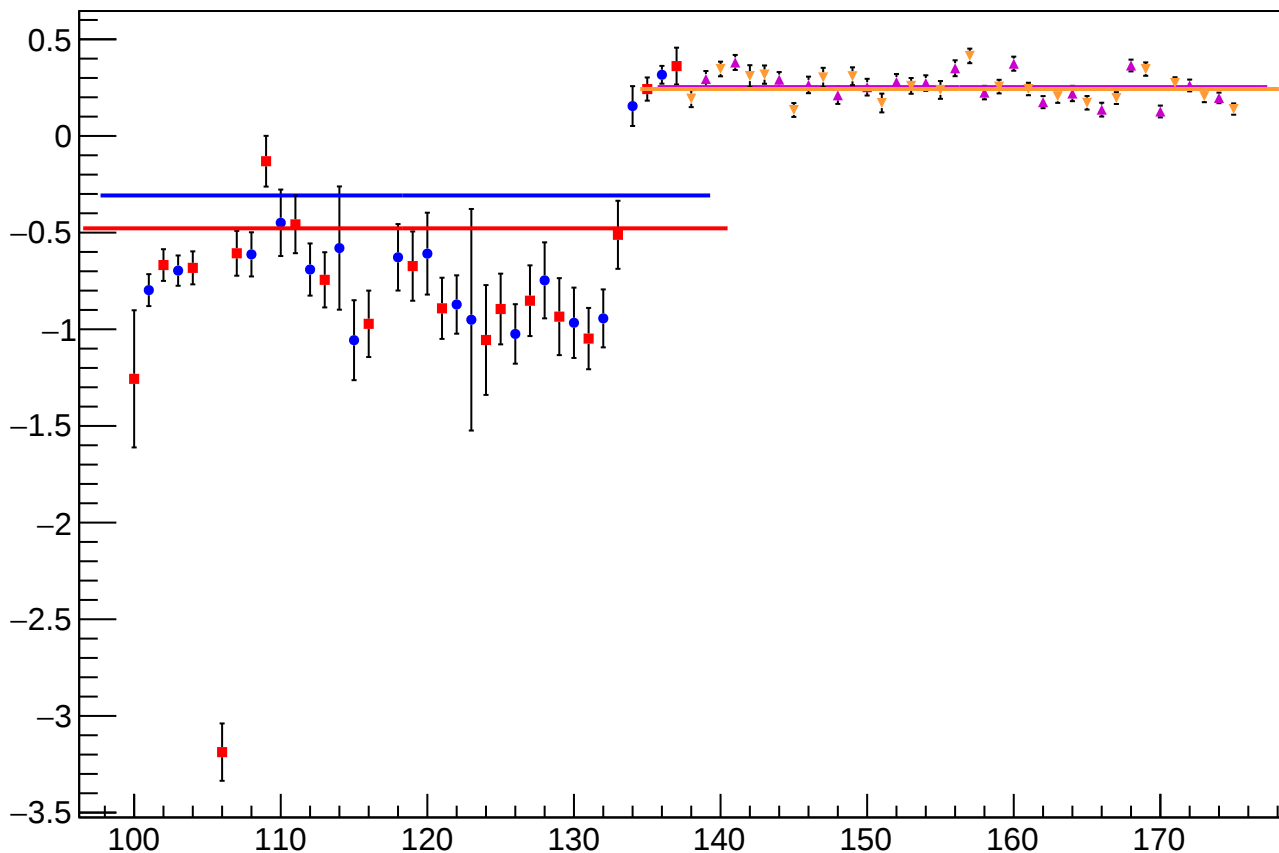
Right: -11.606 ± 0.379 $\chi^2/\text{NDF}: 846.9/35$

In: -16.950 ± 0.175 $\chi^2/\text{NDF}: 1934.4/34$

Out: -17.420 ± 0.169 $\chi^2/\text{NDF}: 1798.2/38$

All: -17.193 ± 0.122 $\chi^2/\text{NDF}: 3736.3/73$

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: 0.243 ± 0.008 χ^2/NDF : 80.0/19

Right Out: -0.478 ± 0.029 χ^2/NDF : 631.2/18

Left In: 0.253 ± 0.008 χ^2/NDF : 84.0/17

Left: 0.248 ± 0.006 χ^2/NDF : 164.6/37

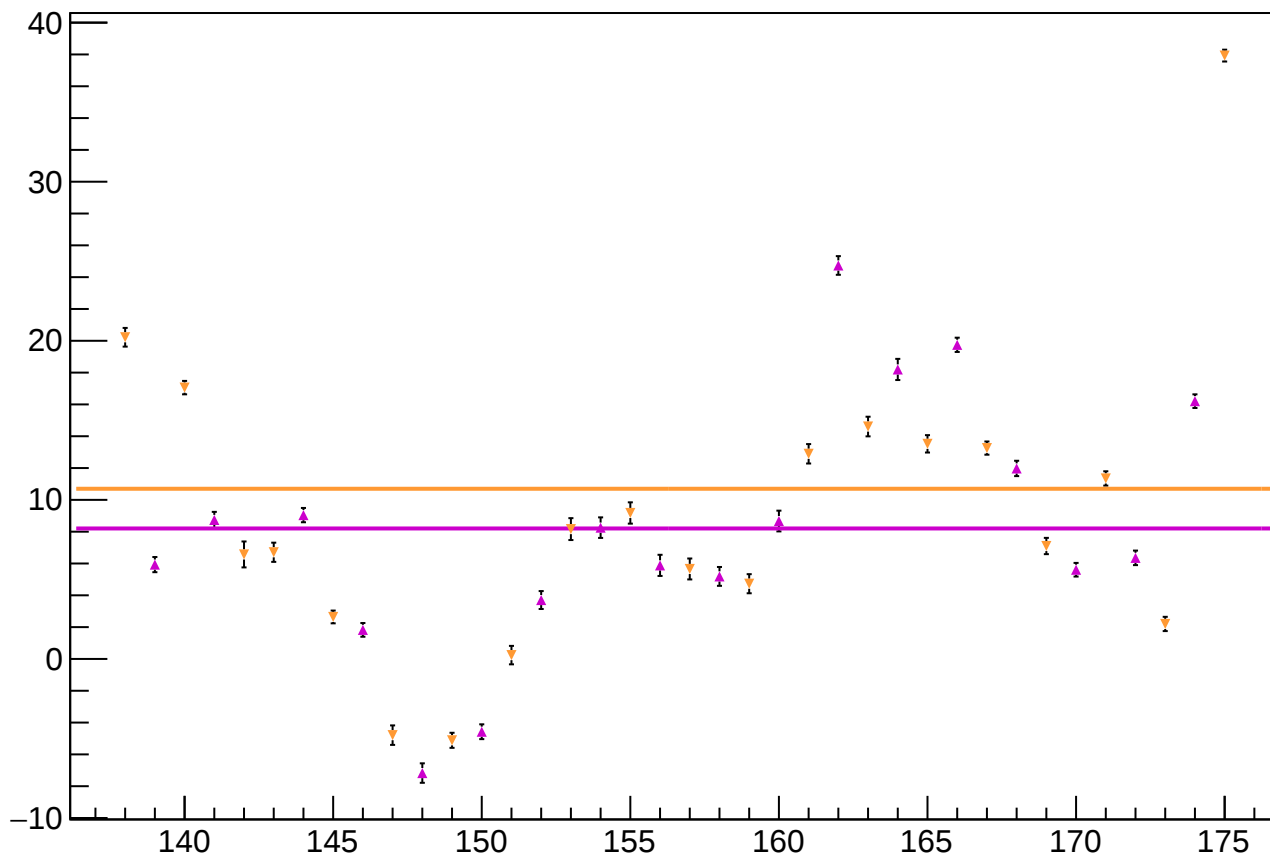
Right: -0.390 ± 0.020 χ^2/NDF : 1022.0/35

In: 0.204 ± 0.008 χ^2/NDF : 835.3/34

Out: 0.187 ± 0.008 χ^2/NDF : 1299.4/38

All: 0.195 ± 0.006 χ^2/NDF : 2137.1/73

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 10.698 $\pm$ 0.116 χ^2 /NDF:9086.7/19

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

Left In: 8.202 $\pm$ 0.120 χ^2 /NDF:3875.1/17

Left: 9.493 $\pm$ 0.084 χ^2 /NDF: 13184.1/37

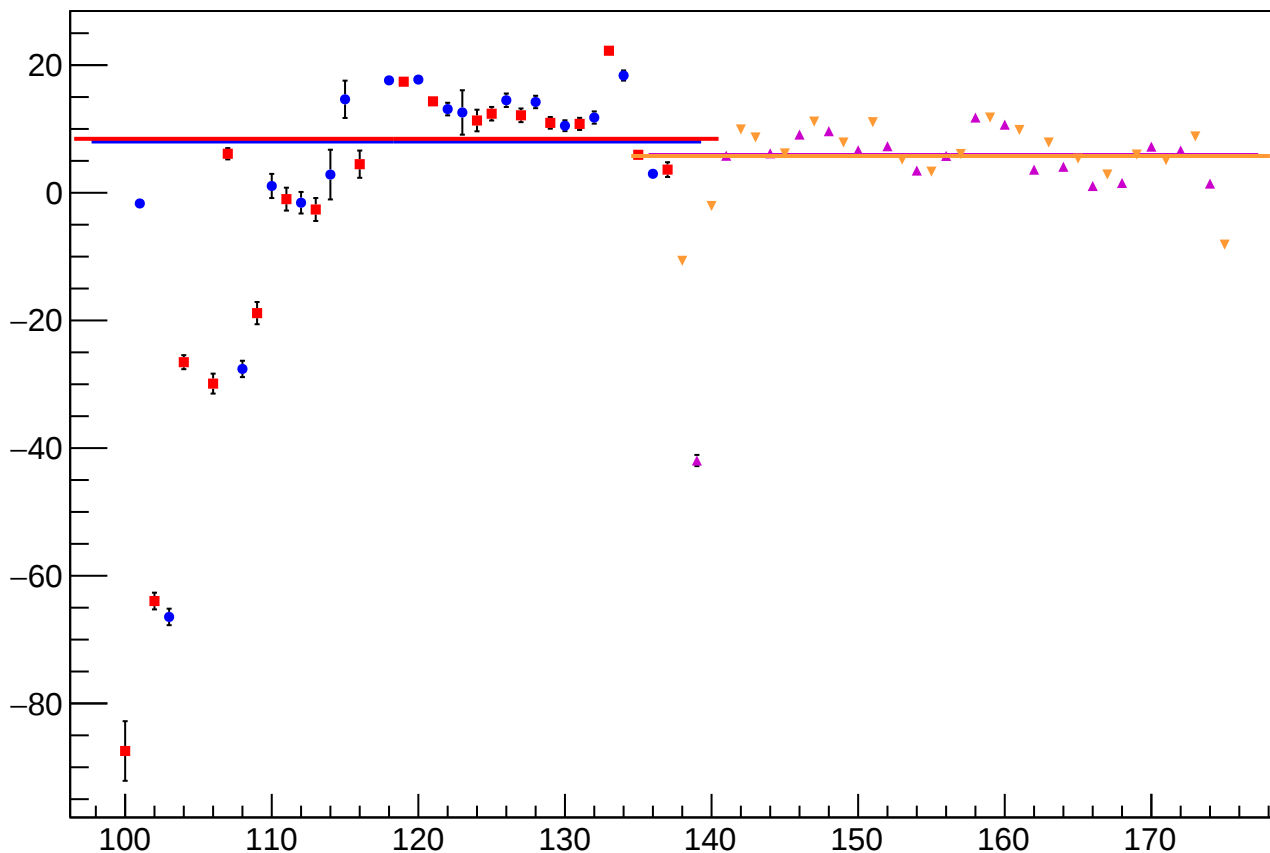
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 8.202 $\pm$ 0.120 χ^2 /NDF:3875.1/17

Out: 10.698 $\pm$ 0.116 χ^2 /NDF:9086.7/19

All: 9.493 $\pm$ 0.084 χ^2 /NDF: 13184.1/37

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: 5.764 ± 0.086 $\chi^2/\text{NDF}: 4001.1/19$

Right Out: 8.454 ± 0.213 $\chi^2/\text{NDF}: 6704.4/18$

Left In: 5.920 ± 0.090 $\chi^2/\text{NDF}: 4074.6/17$

Left: 5.839 ± 0.062 $\chi^2/\text{NDF}: 8077.3/37$

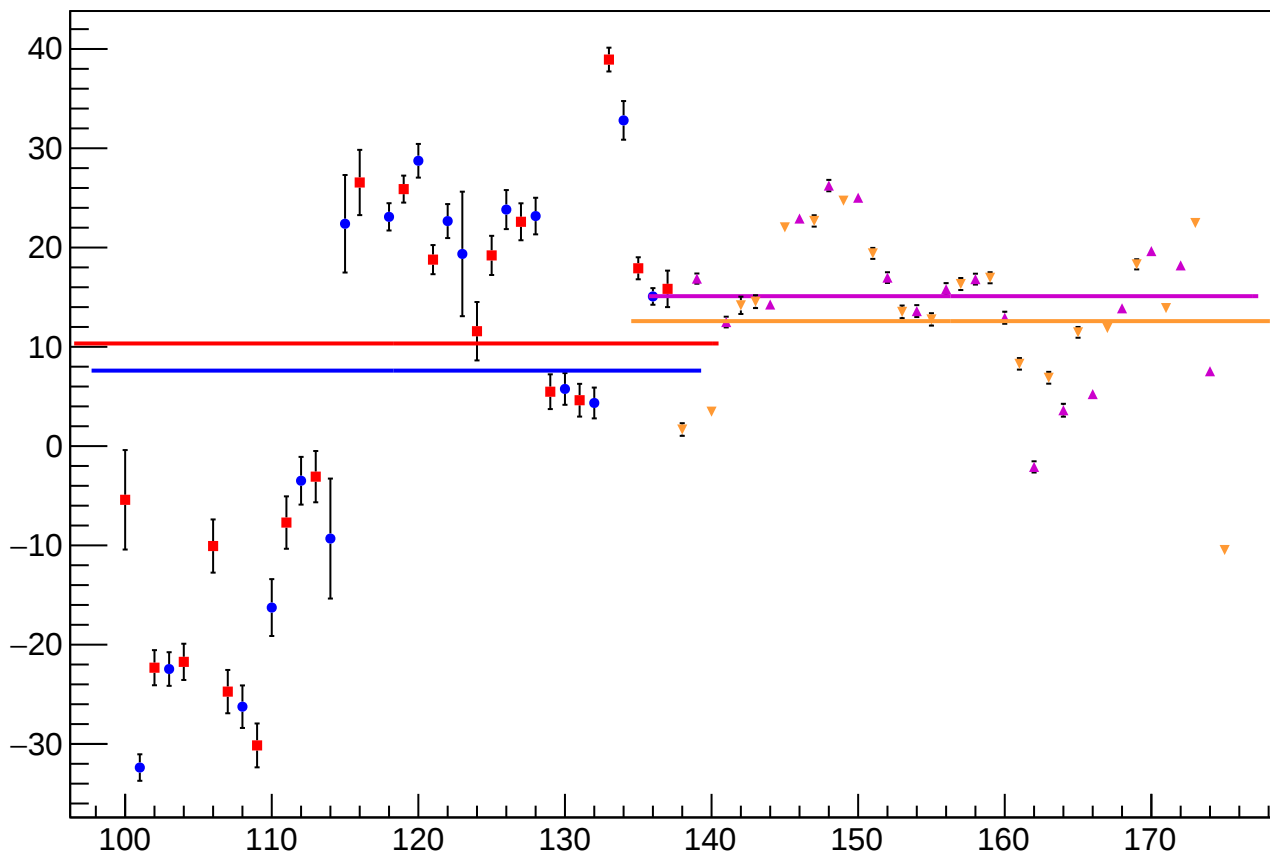
Right: 8.247 ± 0.151 $\chi^2/\text{NDF}: 12075.7/35$

In: 6.234 ± 0.083 $\chi^2/\text{NDF}: 9526.4/34$

Out: 6.142 ± 0.080 $\chi^2/\text{NDF}: 10842.2/38$

All: 6.186 ± 0.058 $\chi^2/\text{NDF}: 20369.2/73$

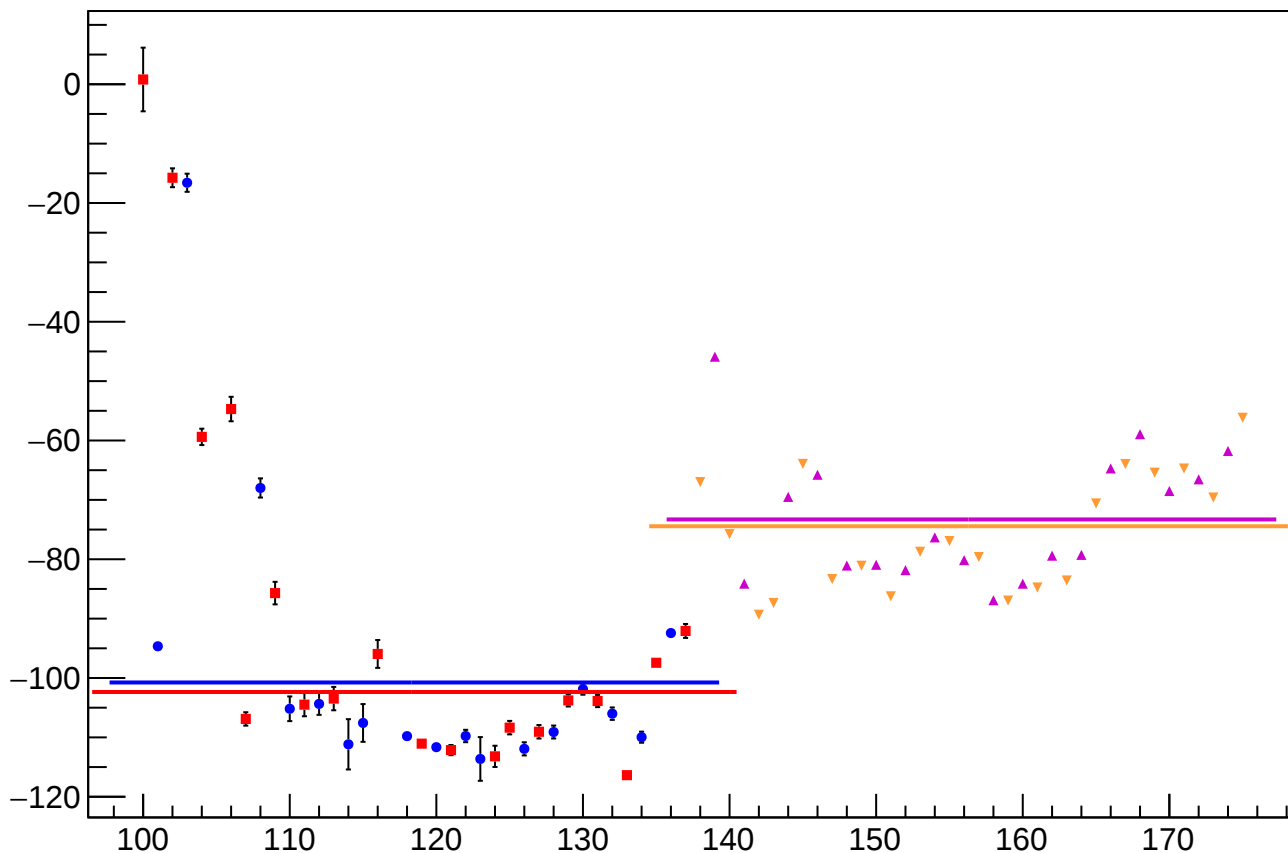
reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 7.604 ± 0.416 $\chi^2/\text{NDF}: 2325.0/16$
 Left Out: 12.589 ± 0.116 $\chi^2/\text{NDF}: 7096.2/19$
 Right Out: 10.337 ± 0.416 $\chi^2/\text{NDF}: 2281.8/18$
 Left In: 15.102 ± 0.120 $\chi^2/\text{NDF}: 3463.8/17$

Left: 13.805 ± 0.083 $\chi^2/\text{NDF}: 10787.0/37$
 Right: 8.969 ± 0.294 $\chi^2/\text{NDF}: 4628.4/35$
 In: 14.527 ± 0.115 $\chi^2/\text{NDF}: 6089.1/34$
 Out: 12.426 ± 0.112 $\chi^2/\text{NDF}: 9405.1/38$
 All: 13.446 ± 0.080 $\chi^2/\text{NDF}: 15665.5/73$

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: -74.441 ± 0.099 $\chi^2/\text{NDF}: 9979.7/19$

Right Out: -102.354 ± 0.246 $\chi^2/\text{NDF}: 6078.9/18$

Left In: -73.293 ± 0.103 $\chi^2/\text{NDF}: 7940.4/17$

Left: -73.890 ± 0.071 $\chi^2/\text{NDF}: 17984.9/37$

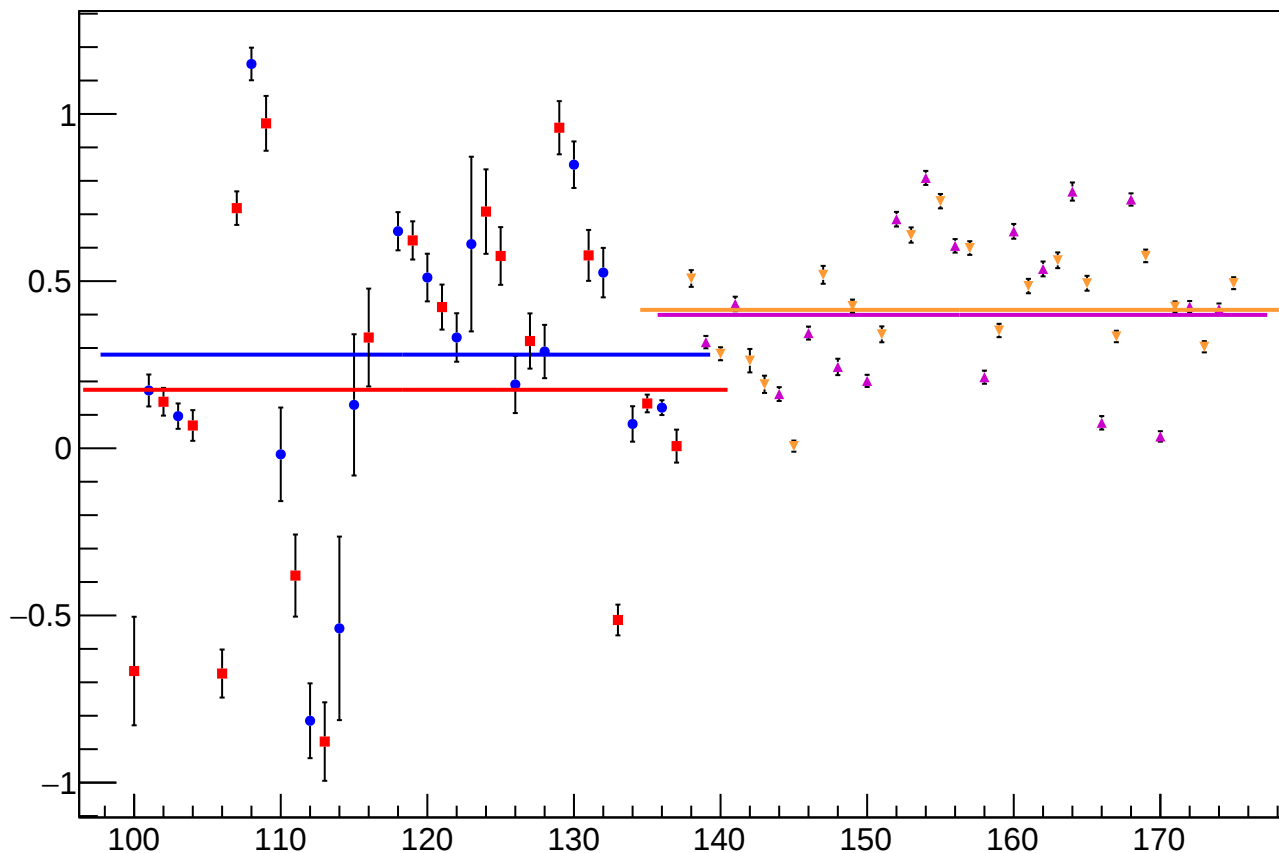
Right: -101.559 ± 0.175 $\chi^2/\text{NDF}: 10622.5/35$

In: -77.317 ± 0.095 $\chi^2/\text{NDF}: 22925.7/34$

Out: -78.312 ± 0.092 $\chi^2/\text{NDF}: 27127.9/38$

All: -77.832 ± 0.066 $\chi^2/\text{NDF}: 50110.4/73$

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: 0.414 ± 0.005 χ^2/NDF : 1412.0/19

Right Out: 0.175 ± 0.013 χ^2/NDF : 966.7/18

Left In: 0.399 ± 0.005 χ^2/NDF : 2564.9/17

Left: 0.407 ± 0.003 χ^2/NDF : 3982.3/37

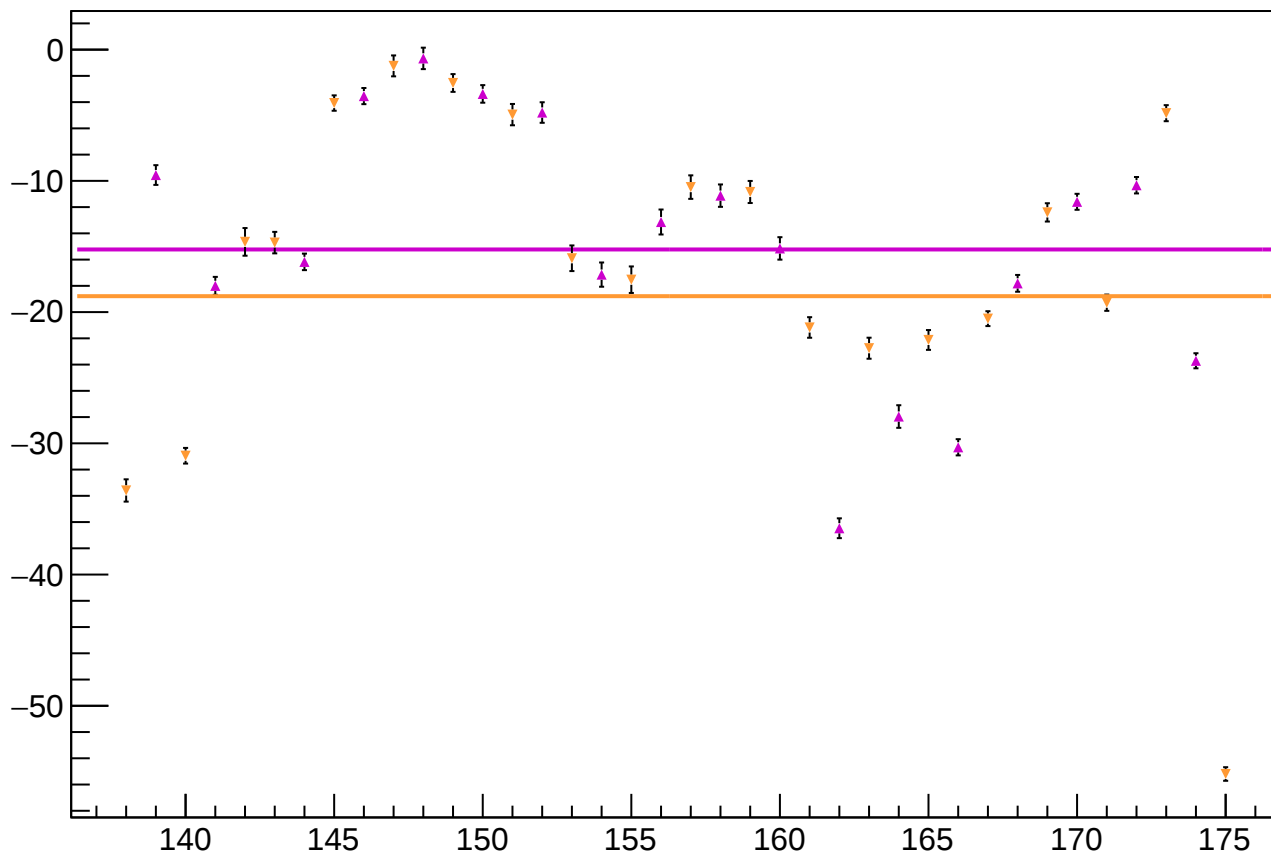
Right: 0.227 ± 0.010 χ^2/NDF : 1653.2/35

In: 0.386 ± 0.004 χ^2/NDF : 3290.5/34

Out: 0.389 ± 0.004 χ^2/NDF : 2662.2/38

All: 0.388 ± 0.003 χ^2/NDF : 5953.0/73

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: -18.787 $\pm$ 0.161 χ^2 /NDF:8529.2/19

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

Left In: -15.228 $\pm$ 0.167 χ^2 /NDF:3213.7/17

Left: -17.071 $\pm$ 0.116 χ^2 /NDF: 11978.4/37

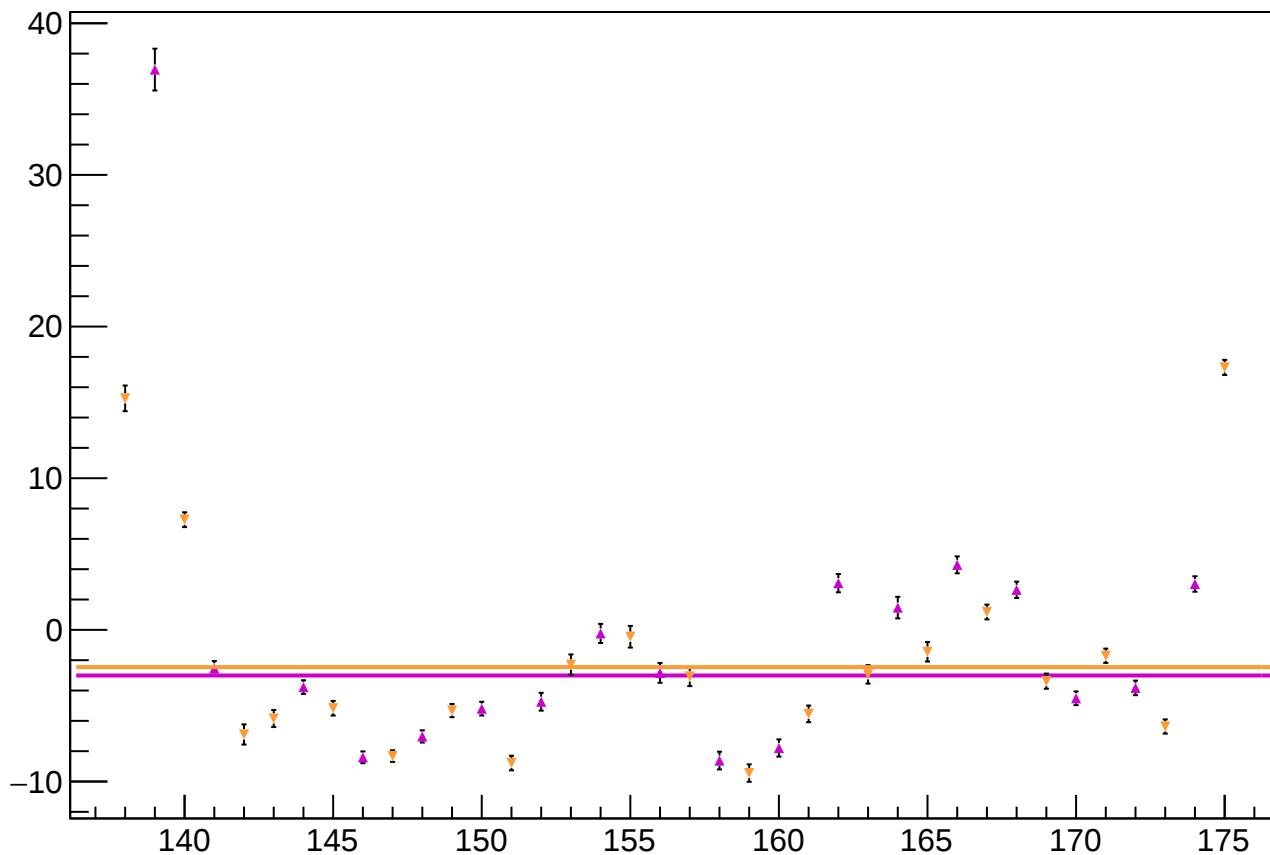
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -15.228 $\pm$ 0.167 χ^2 /NDF:3213.7/17

Out: -18.787 $\pm$ 0.161 χ^2 /NDF:8529.2/19

All: -17.071 $\pm$ 0.116 χ^2 /NDF: 11978.4/37

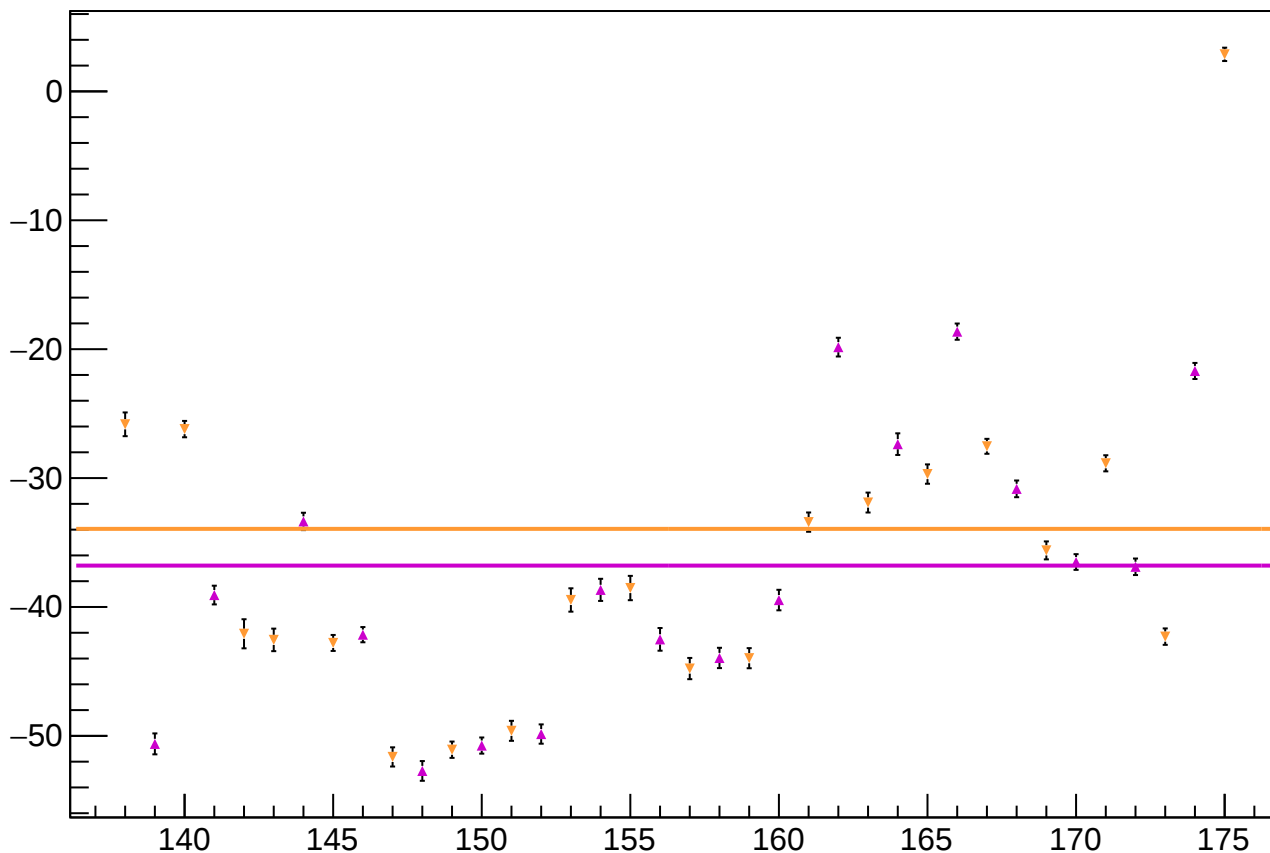
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.456+/-0.119 χ^2/NDF :3293.7/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.009+/-0.124 χ^2/NDF :1924.4/17

Left: -2.721+/-0.086 χ^2/NDF : 5228.5/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -3.009+/-0.124 χ^2/NDF :1924.4/17
 Out: -2.456+/-0.119 χ^2/NDF :3293.7/19
 All: -2.721+/-0.086 χ^2/NDF : 5228.5/37

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: -33.940+/-0.161 χ^2/NDF : 8133.4/19

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

Left In: -36.789+/-0.166 χ^2/NDF : 3955.4/17

Left: -35.317+/-0.115 χ^2/NDF : 12241.0/37

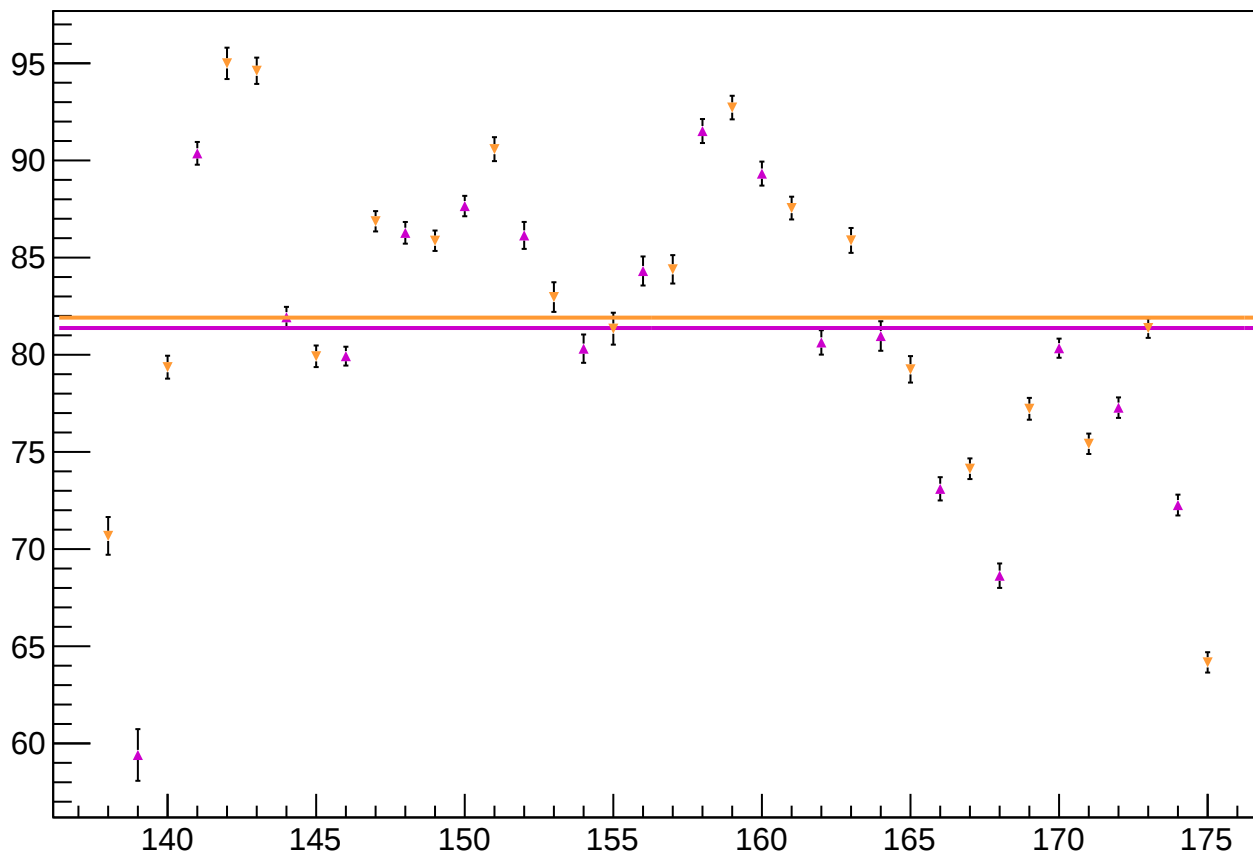
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -36.789+/-0.166 χ^2/NDF : 3955.4/17

Out: -33.940+/-0.161 χ^2/NDF : 8133.4/19

All: -35.317+/-0.115 χ^2/NDF : 12241.0/37

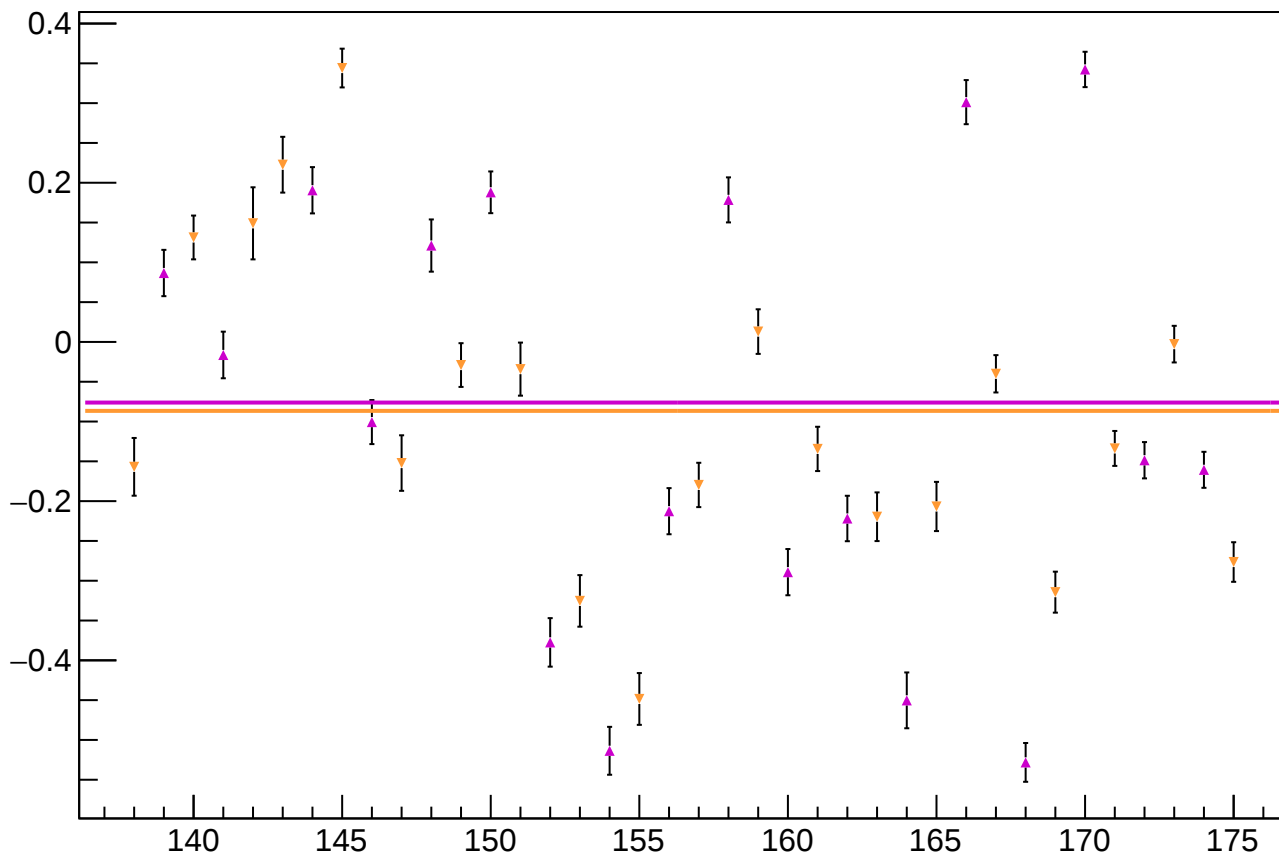
reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 81.912 $\pm$ 0.136 χ^2/NDF :3187.8/19
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 81.377 $\pm$ 0.142 χ^2/NDF :2195.3/17

Left: 81.655 $\pm$ 0.098 χ^2/NDF : 5390.5/37
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 81.377 $\pm$ 0.142 χ^2/NDF :2195.3/17
 Out: 81.912 $\pm$ 0.136 χ^2/NDF :3187.8/19
 All: 81.655 $\pm$ 0.098 χ^2/NDF : 5390.5/37

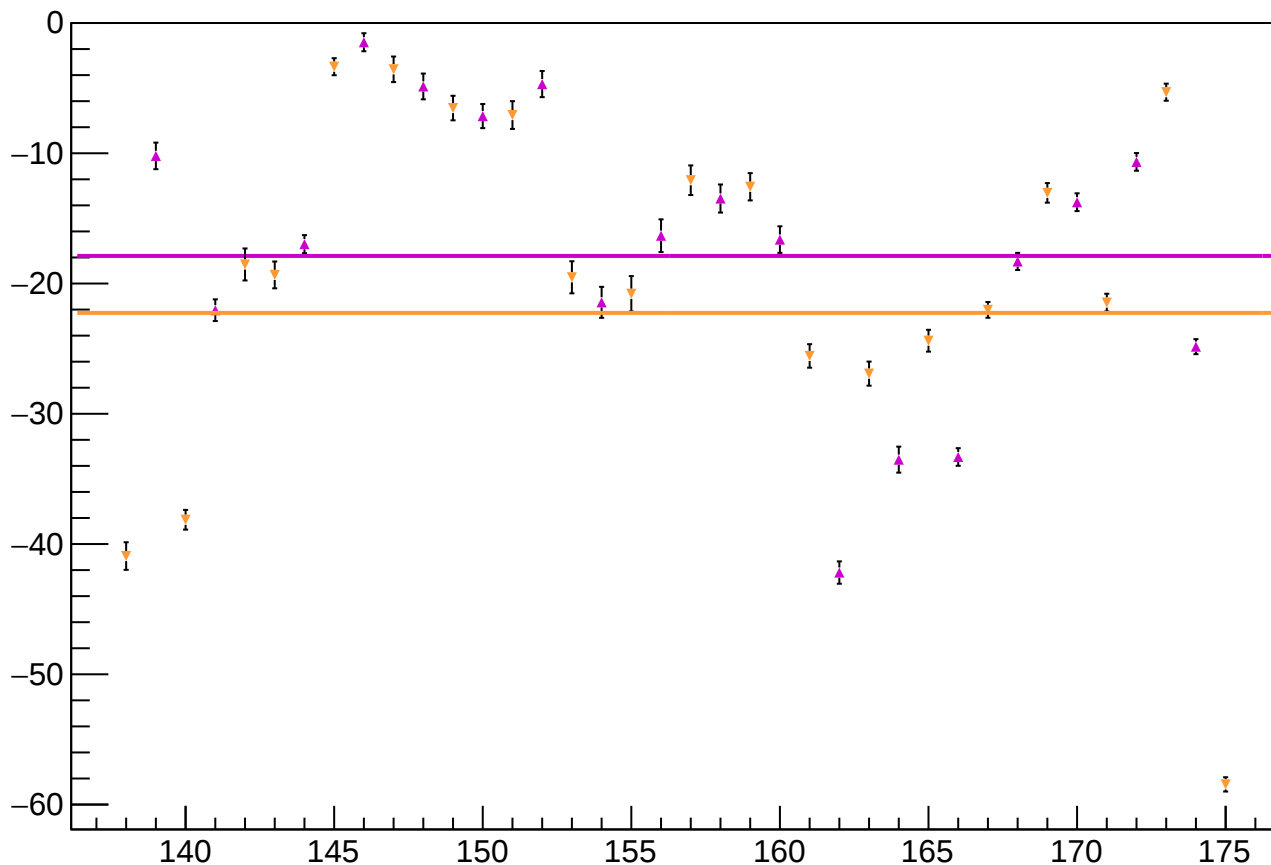
reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.087+/-0.006 χ^2/NDF :892.0/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.076+/-0.006 χ^2/NDF :1772.6/17

Left: -0.081+/-0.005 χ^2/NDF : 2666.0/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.076+/-0.006 χ^2/NDF :1772.6/17
 Out: -0.087+/-0.006 χ^2/NDF :892.0/19
 All: -0.081+/-0.005 χ^2/NDF : 2666.0/37

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -22.252 ± 0.187 χ^2/NDF : 7827.9/19

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -17.881 ± 0.192 χ^2/NDF : 3018.8/17

Left: -20.128 ± 0.134 χ^2/NDF : 11112.7/37

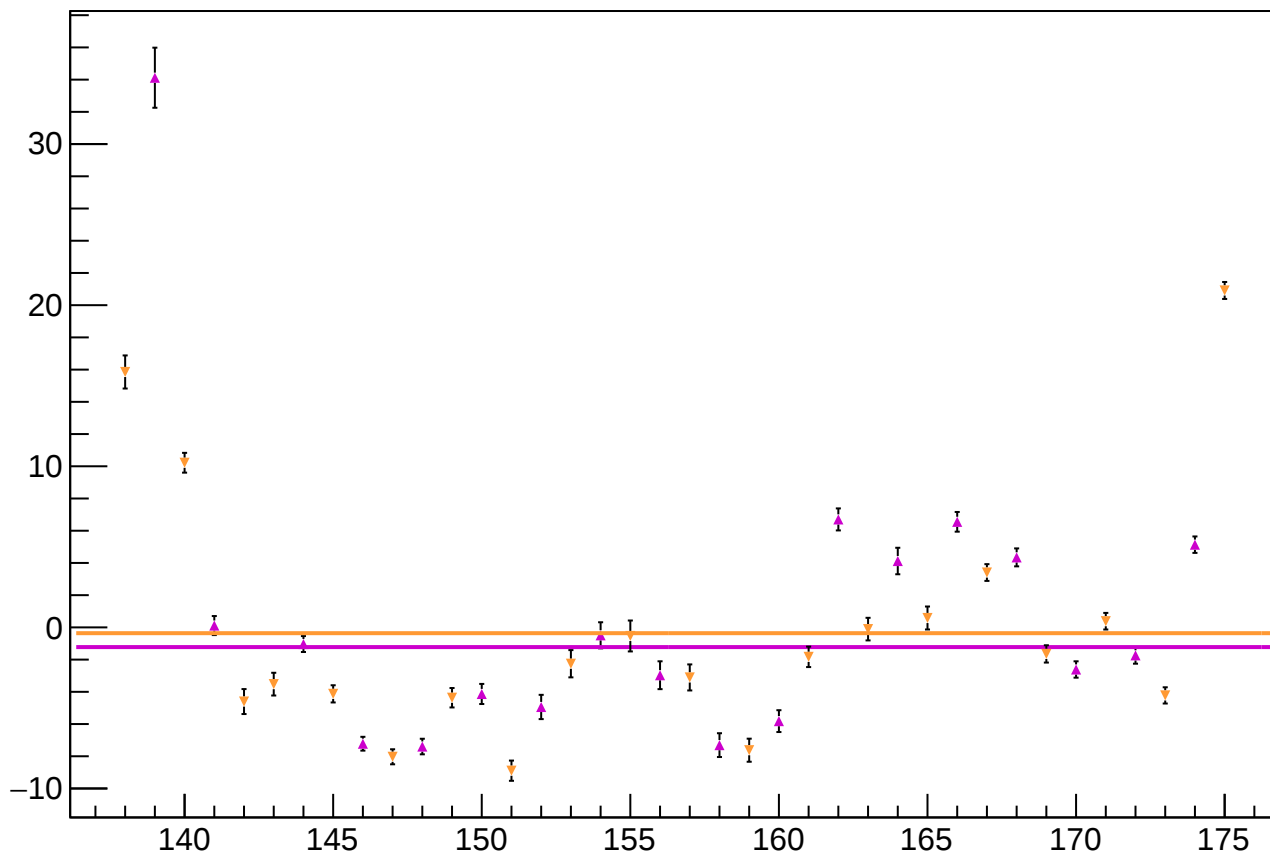
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -17.881 ± 0.192 χ^2/NDF : 3018.8/17

Out: -22.252 ± 0.187 χ^2/NDF : 7827.9/19

All: -20.128 ± 0.134 χ^2/NDF : 11112.7/37

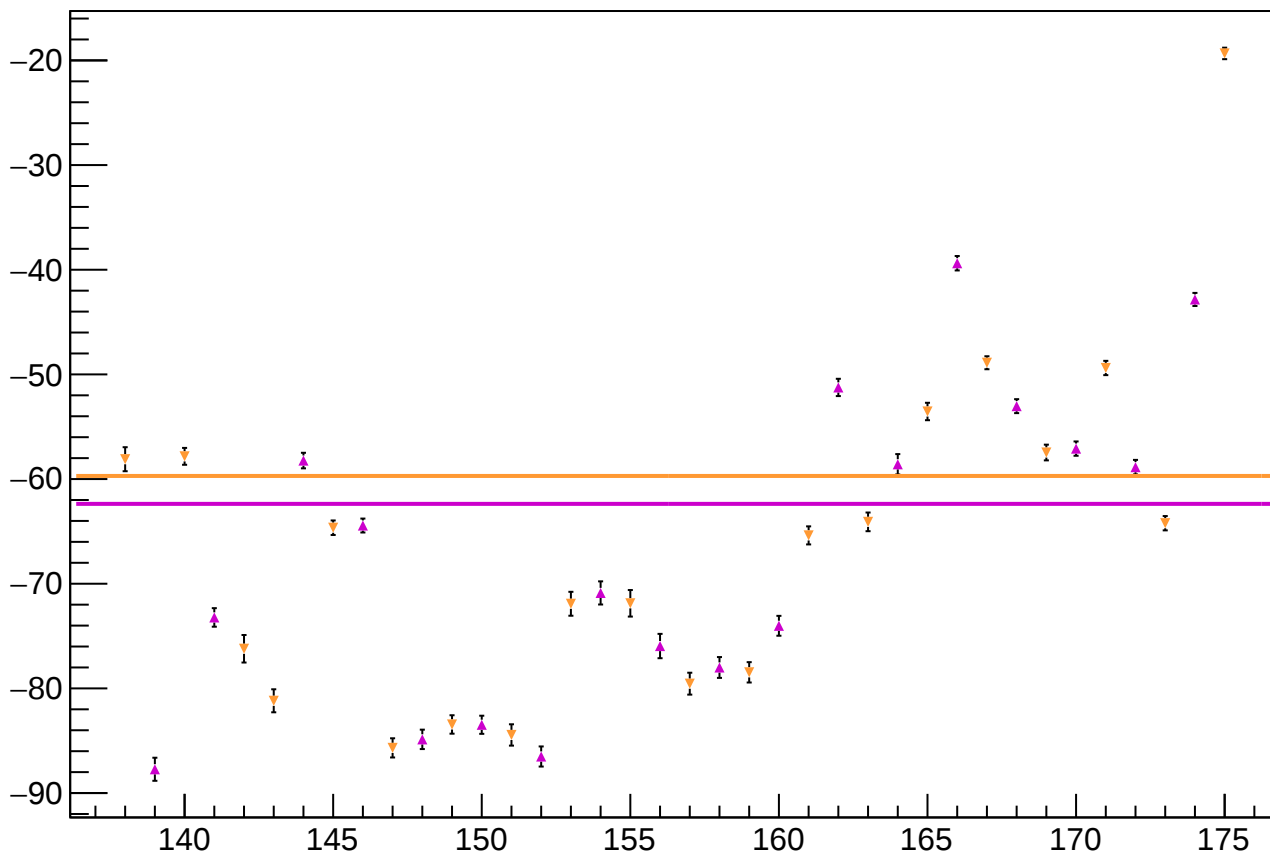
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.360+/-0.139 χ^2/NDF :3022.9/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.223+/-0.143 χ^2/NDF :1490.4/17

Left: -0.781+/-0.100 χ^2/NDF : 4532.1/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -1.223+/-0.143 χ^2/NDF :1490.4/17
 Out: -0.360+/-0.139 χ^2/NDF :3022.9/19
 All: -0.781+/-0.100 χ^2/NDF : 4532.1/37

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: -59.703+/-0.187 χ^2/NDF : 9751.3/19

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

Left In: -62.370+/-0.192 χ^2/NDF : 5689.8/17

Left: -61.000+/-0.134 χ^2/NDF : 15540.0/37

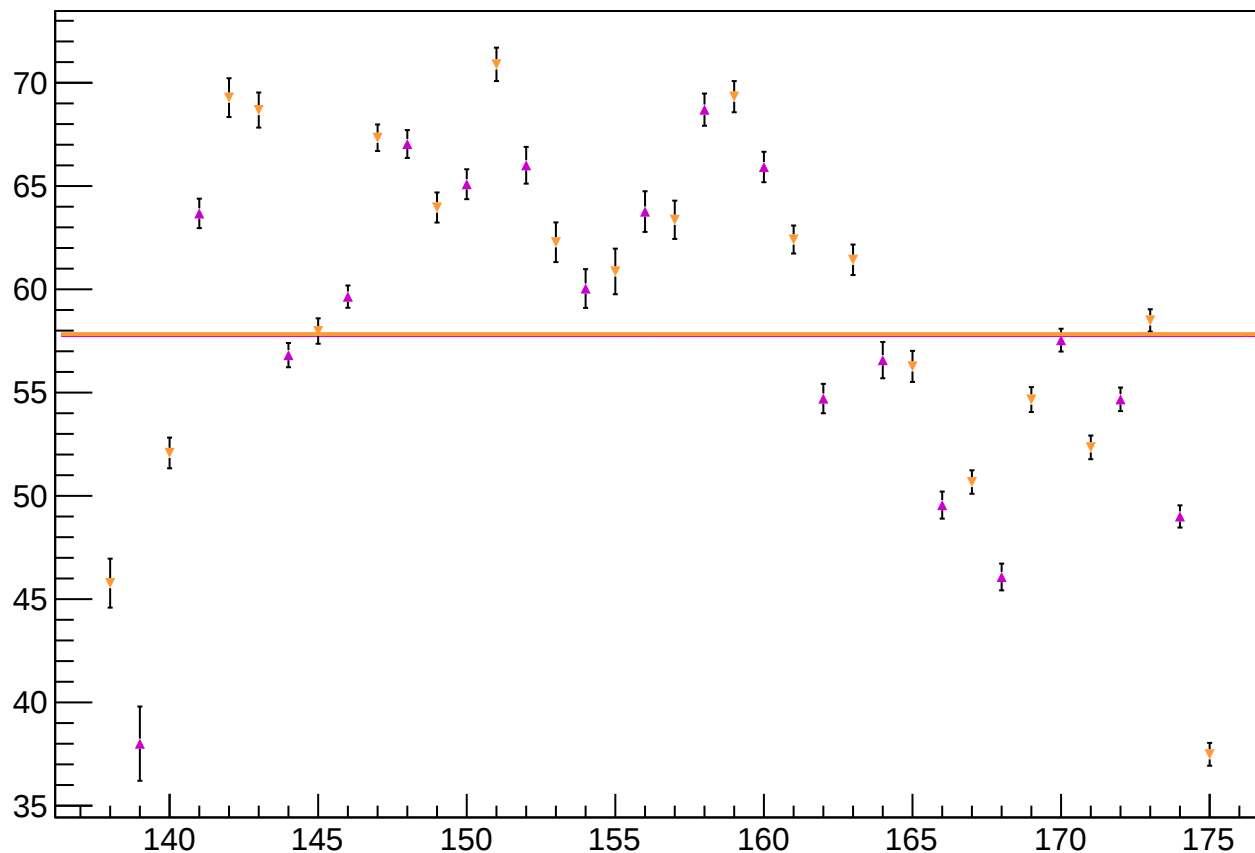
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -62.370+/-0.192 χ^2/NDF : 5689.8/17

Out: -59.703+/-0.187 χ^2/NDF : 9751.3/19

All: -61.000+/-0.134 χ^2/NDF : 15540.0/37

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 57.830+/-0.159 χ^2/NDF :3027.3/19

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

Left In: 57.784+/-0.163 χ^2/NDF :1742.5/17

Left: 57.808+/-0.114 χ^2/NDF : 4769.8/37

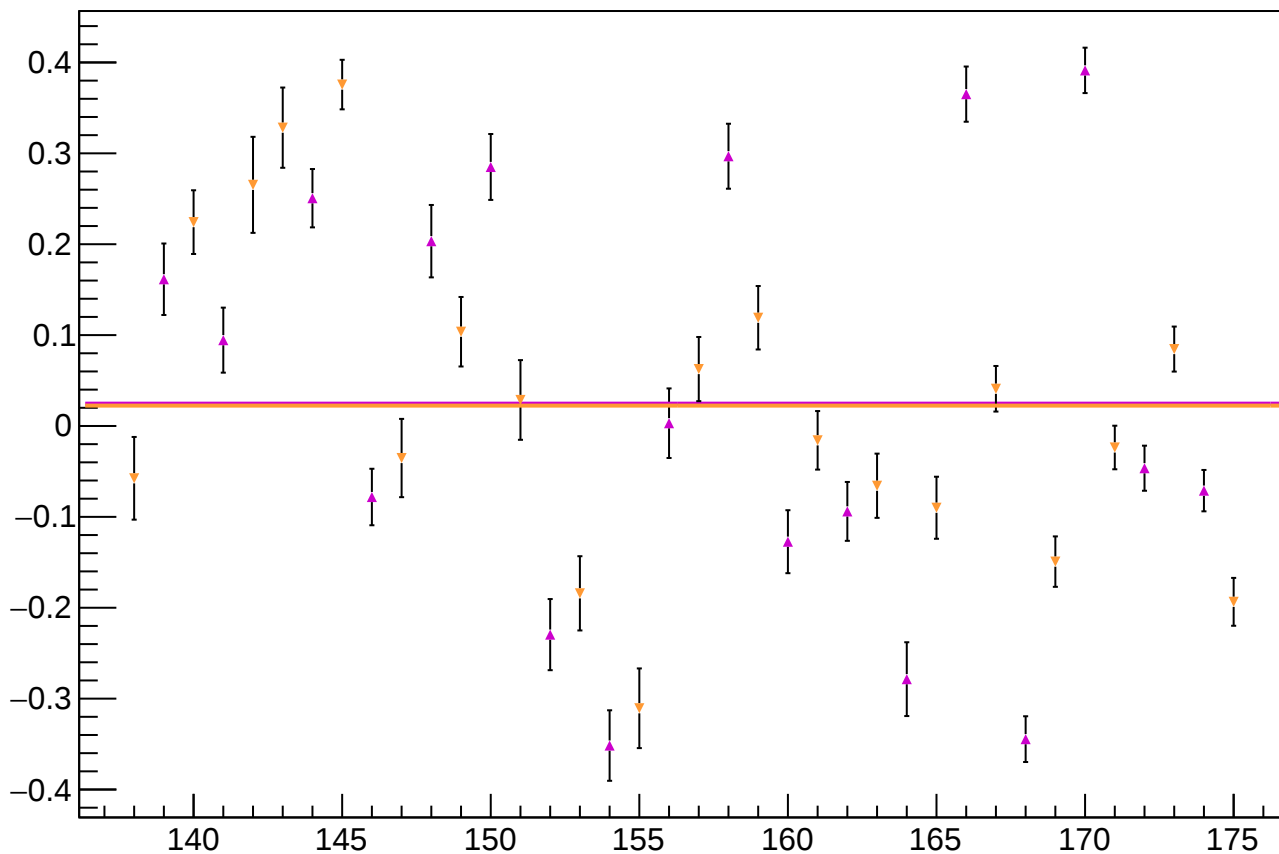
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 57.784+/-0.163 χ^2/NDF :1742.5/17

Out: 57.830+/-0.159 χ^2/NDF :3027.3/19

All: 57.808+/-0.114 χ^2/NDF : 4769.8/37

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: 0.022 $\pm$ 0.007 χ^2 /NDF:506.5/19

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

Left In: 0.025 $\pm$ 0.007 χ^2 /NDF:1013.2/17

Left: 0.023 $\pm$ 0.005 χ^2 /NDF: 1519.7/37

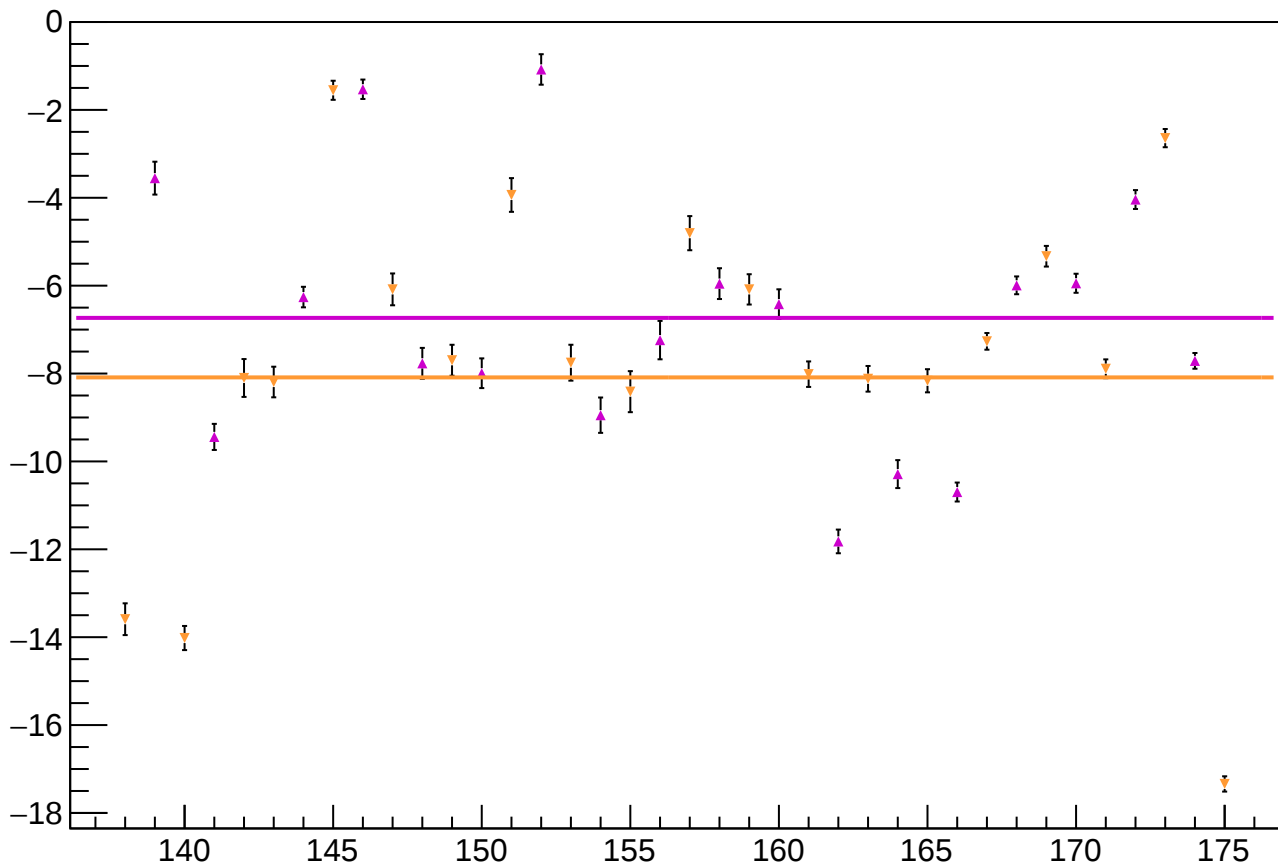
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 0.025 $\pm$ 0.007 χ^2 /NDF:1013.2/17

Out: 0.022 $\pm$ 0.007 χ^2 /NDF:506.5/19

All: 0.023 $\pm$ 0.005 χ^2 /NDF: 1519.7/37

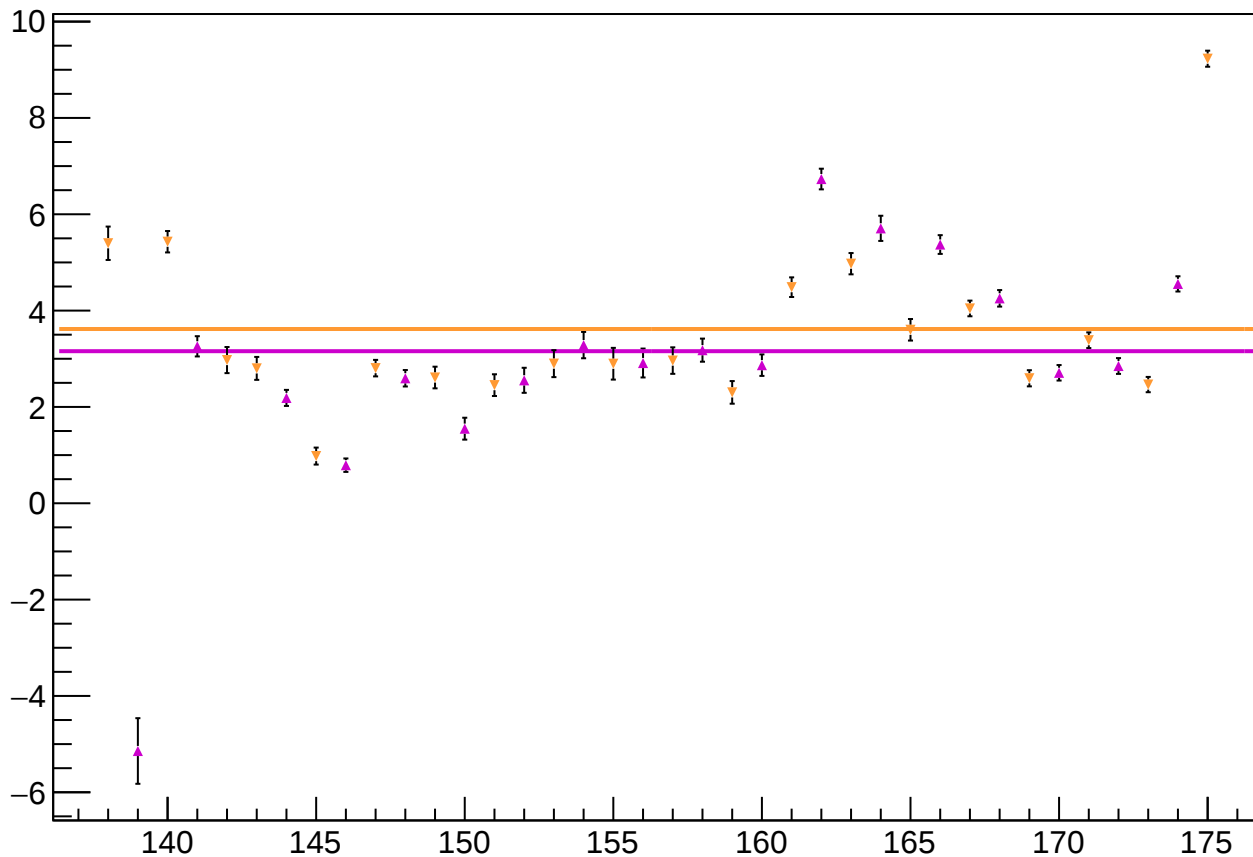
reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -8.088+/-0.061 χ^2/NDF :5533.8/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -6.733+/-0.063 χ^2/NDF :2072.2/17

Left: -7.425+/-0.044 χ^2/NDF : 7844.6/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -6.733+/-0.063 χ^2/NDF :2072.2/17
 Out: -8.088+/-0.061 χ^2/NDF :5533.8/19
 All: -7.425+/-0.044 χ^2/NDF : 7844.6/37

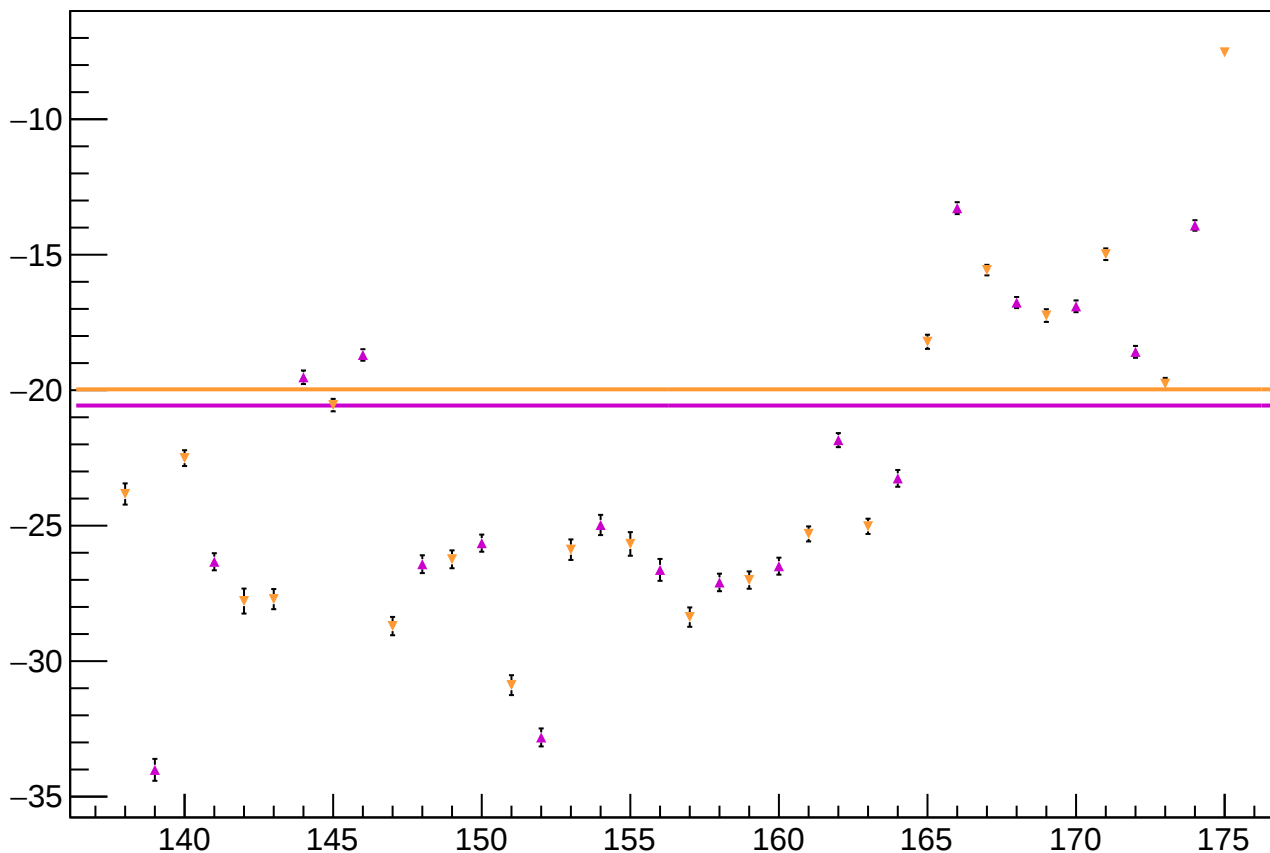
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 3.618+/-0.046 χ^2/NDF :1738.6/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 3.157+/-0.047 χ^2/NDF :1171.4/17

Left: 3.391+/-0.033 χ^2/NDF : 2959.0/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 3.157+/-0.047 χ^2/NDF :1171.4/17
 Out: 3.618+/-0.046 χ^2/NDF :1738.6/19
 All: 3.391+/-0.033 χ^2/NDF : 2959.0/37

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -19.969+/-0.061 χ^2 /NDF:11269.1/19

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

Left In: -20.566+/-0.063 χ^2 /NDF:7674.5/17

Left: -20.261+/-0.044 χ^2 /NDF: 18989.9/37

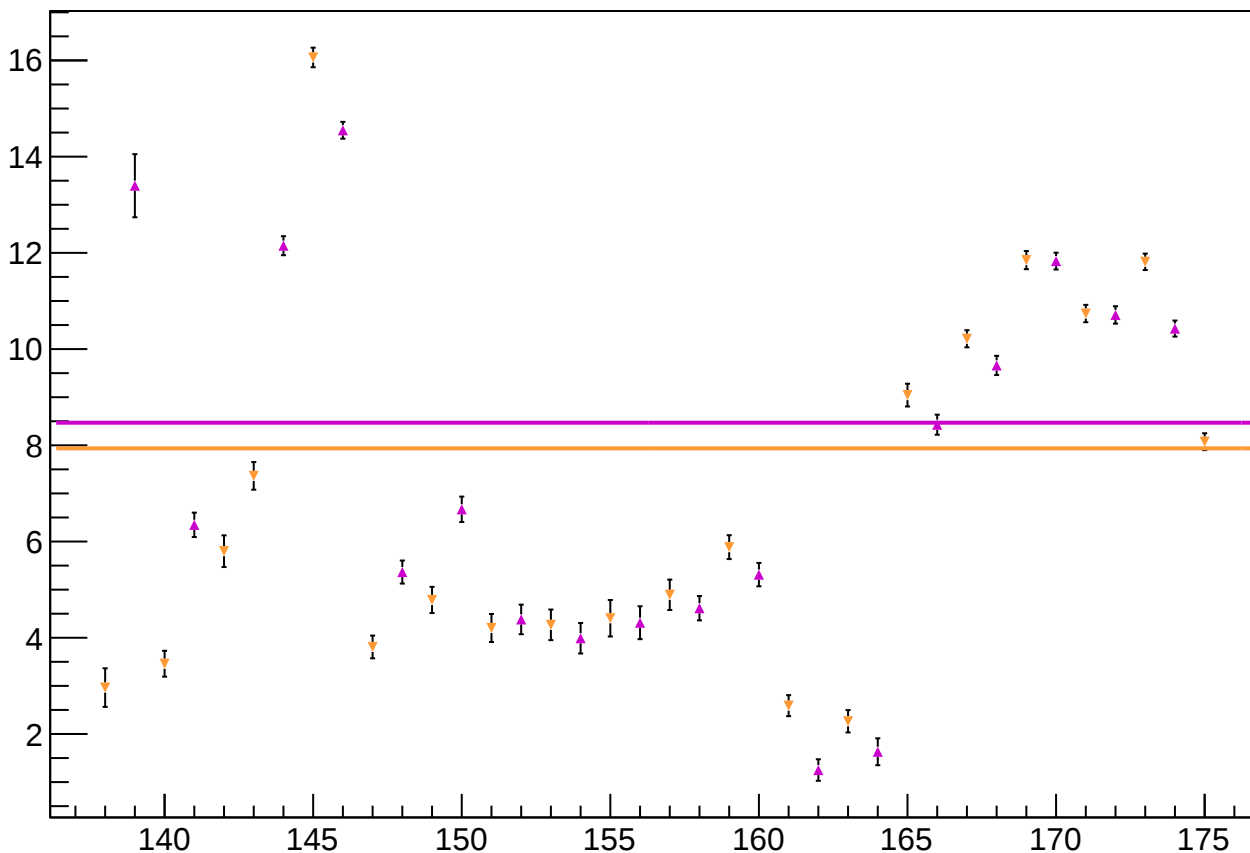
Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

In: -20.566+/-0.063 χ^2 /NDF:7674.5/17

Out: -19.969+/-0.061 χ^2 /NDF:11269.1/19

All: -20.261+/-0.044 χ^2 /NDF: 18989.9/37

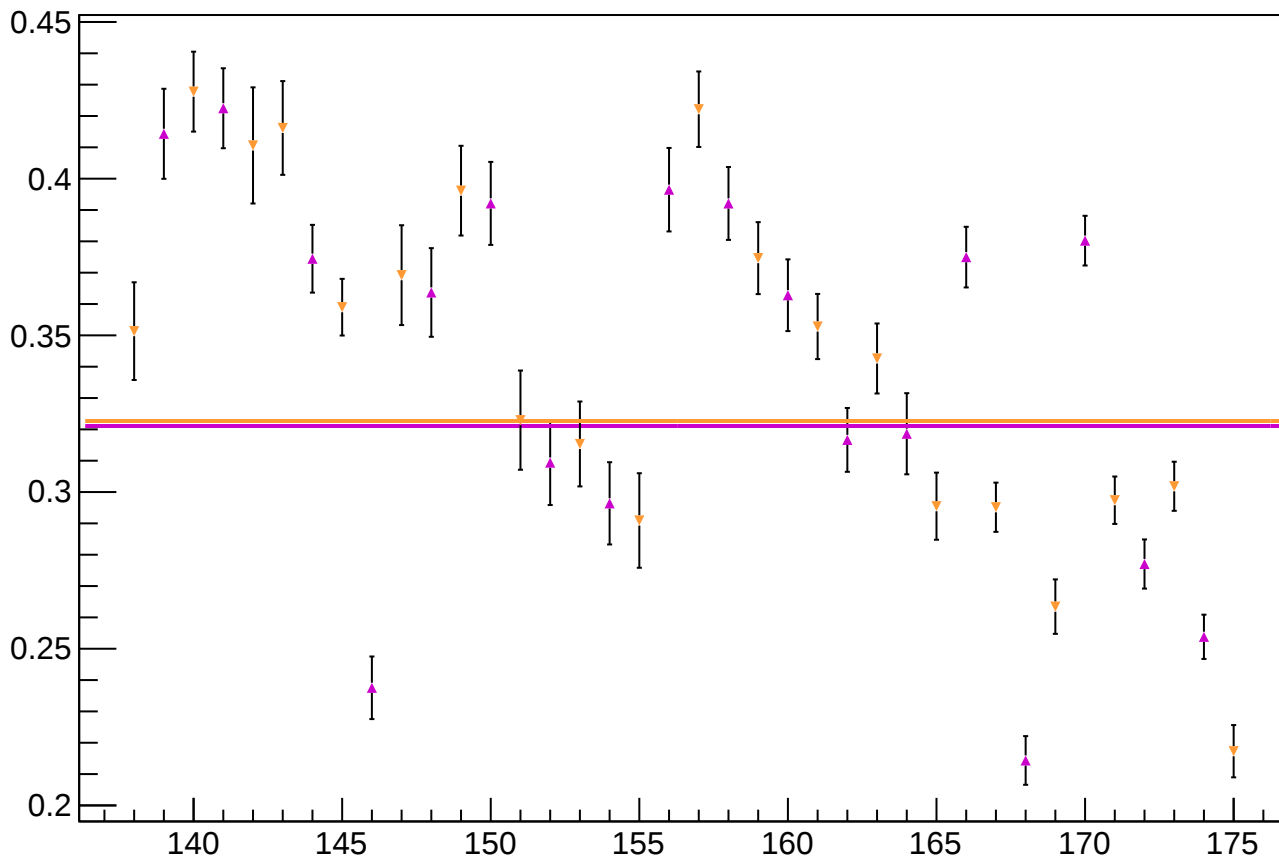
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 7.937+/-0.052 χ^2/NDF :5625.1/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 8.470+/-0.053 χ^2/NDF :5158.7/17

Left: 8.197+/-0.037 χ^2/NDF : 10834.6/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 8.470+/-0.053 χ^2/NDF :5158.7/17
 Out: 7.937+/-0.052 χ^2/NDF :5625.1/19
 All: 8.197+/-0.037 χ^2/NDF : 10834.6/37

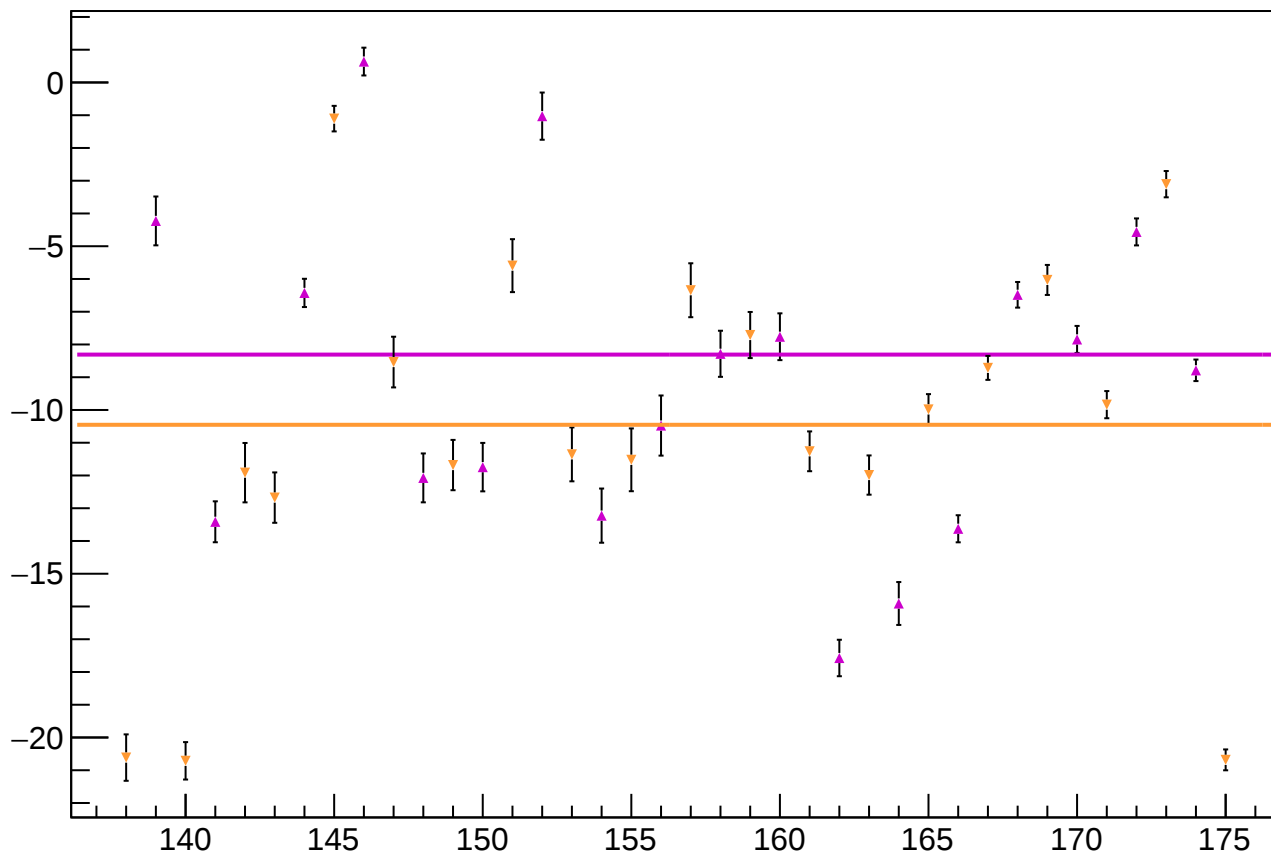
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.323 $\pm$ 0.002 χ^2 /NDF:531.9/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.321 $\pm$ 0.002 χ^2 /NDF:722.2/17

Left: 0.322 $\pm$ 0.002 χ^2 /NDF: 1254.3/37
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.321 $\pm$ 0.002 χ^2 /NDF:722.2/17
 Out: 0.323 $\pm$ 0.002 χ^2 /NDF:531.9/19
 All: 0.322 $\pm$ 0.002 χ^2 /NDF: 1254.3/37

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -10.452 ± 0.120 χ^2/NDF : 2693.4/19

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -8.309 ± 0.123 χ^2/NDF : 1435.8/17

Left: -9.406 ± 0.086 χ^2/NDF : 4285.4/37

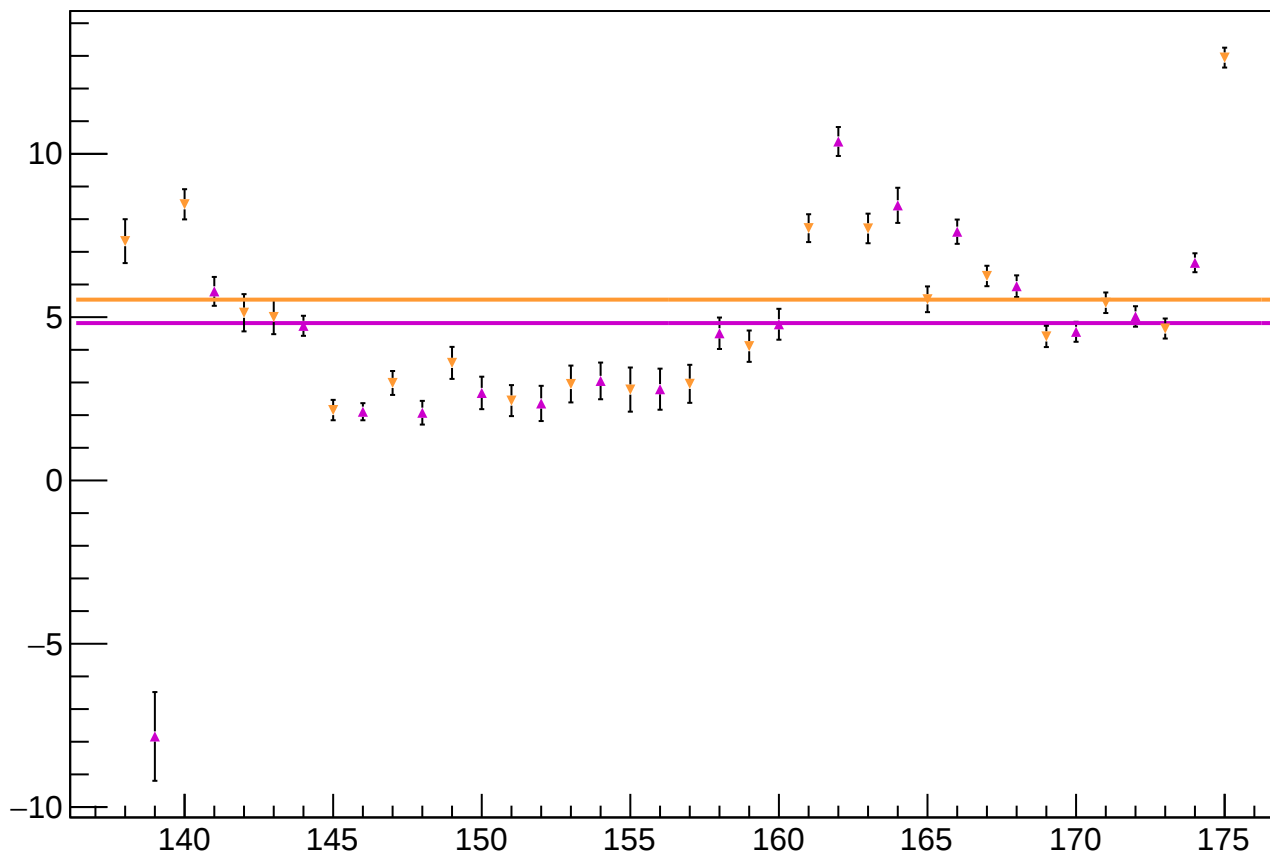
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -8.309 ± 0.123 χ^2/NDF : 1435.8/17

Out: -10.452 ± 0.120 χ^2/NDF : 2693.4/19

All: -9.406 ± 0.086 χ^2/NDF : 4285.4/37

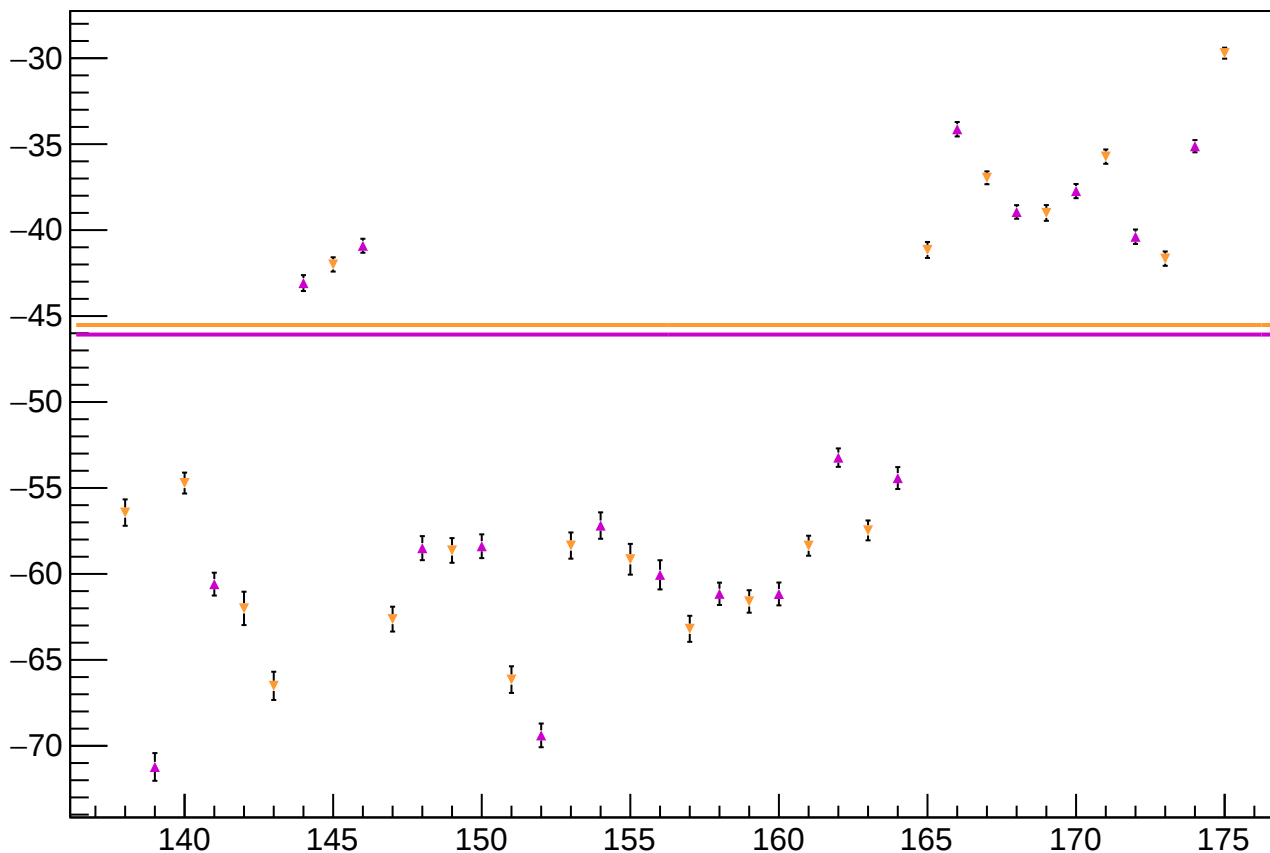
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.537 $\pm$ 0.091 χ^2 /NDF:1005.7/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.819 $\pm$ 0.092 χ^2 /NDF:628.6/17

Left: 5.181 $\pm$ 0.065 χ^2 /NDF: 1665.0/37
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 4.819 $\pm$ 0.092 χ^2 /NDF:628.6/17
 Out: 5.537 $\pm$ 0.091 χ^2 /NDF:1005.7/19
 All: 5.181 $\pm$ 0.065 χ^2 /NDF: 1665.0/37

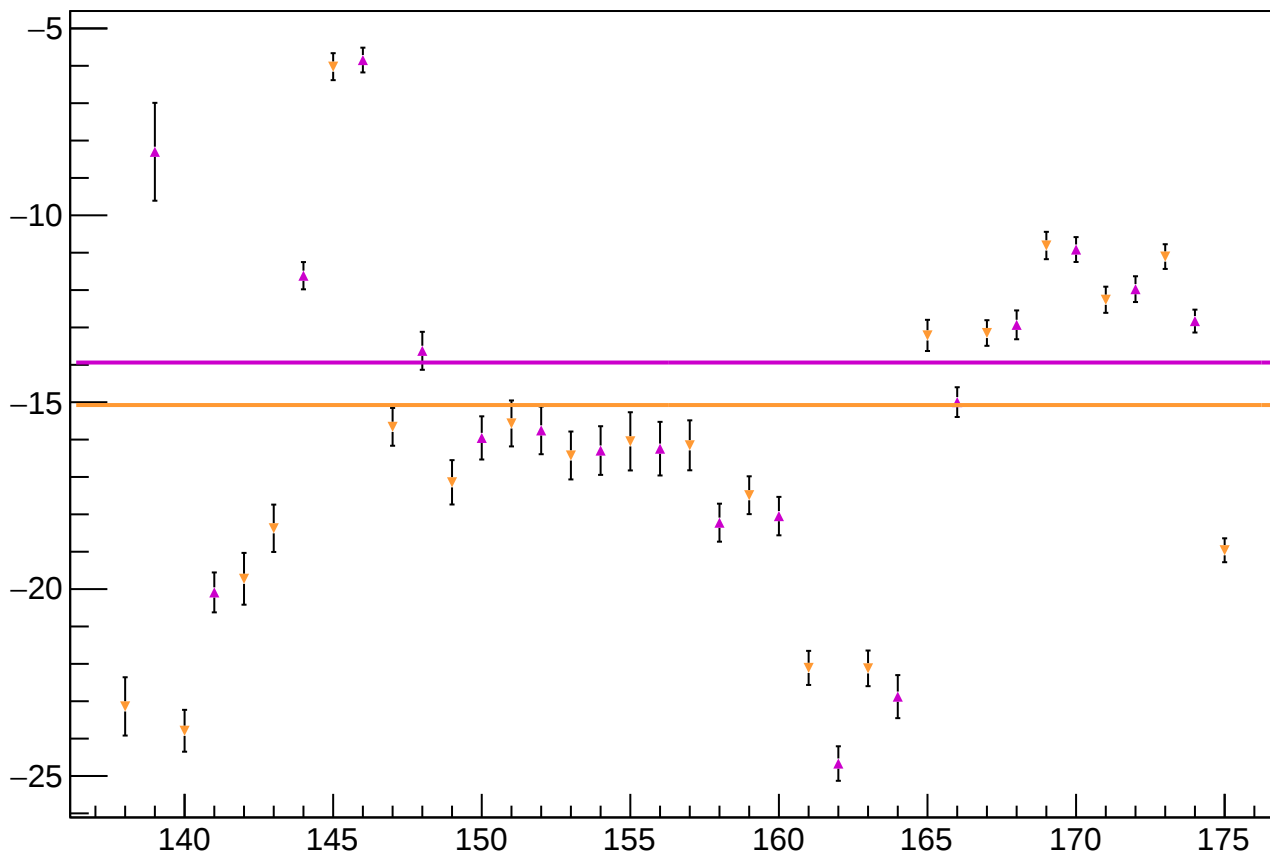
reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -45.521+/-0.120 χ^2/NDF : 9523.5/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -46.076+/-0.123 χ^2/NDF : 7977.7/17

Left: -45.792+/-0.086 χ^2/NDF : 17511.6/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -46.076+/-0.123 χ^2/NDF : 7977.7/17
 Out: -45.521+/-0.120 χ^2/NDF : 9523.5/19
 All: -45.792+/-0.086 χ^2/NDF : 17511.6/37

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -15.076+/-0.103 χ^2/NDF :2096.3/19

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

Left In: -13.938+/-0.105 χ^2/NDF :1890.6/17

Left: -14.519+/-0.073 χ^2/NDF : 4046.9/37

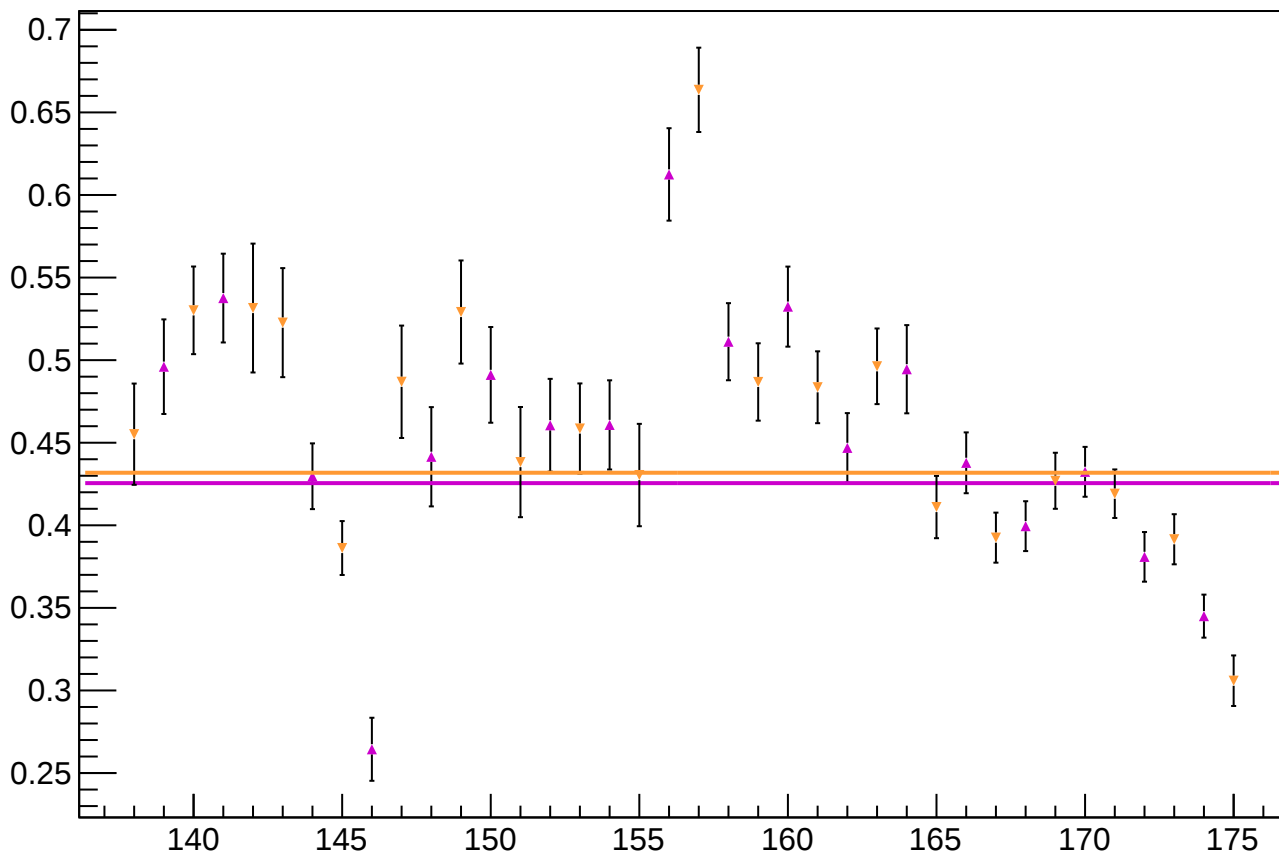
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -13.938+/-0.105 χ^2/NDF :1890.6/17

Out: -15.076+/-0.103 χ^2/NDF :2096.3/19

All: -14.519+/-0.073 χ^2/NDF : 4046.9/37

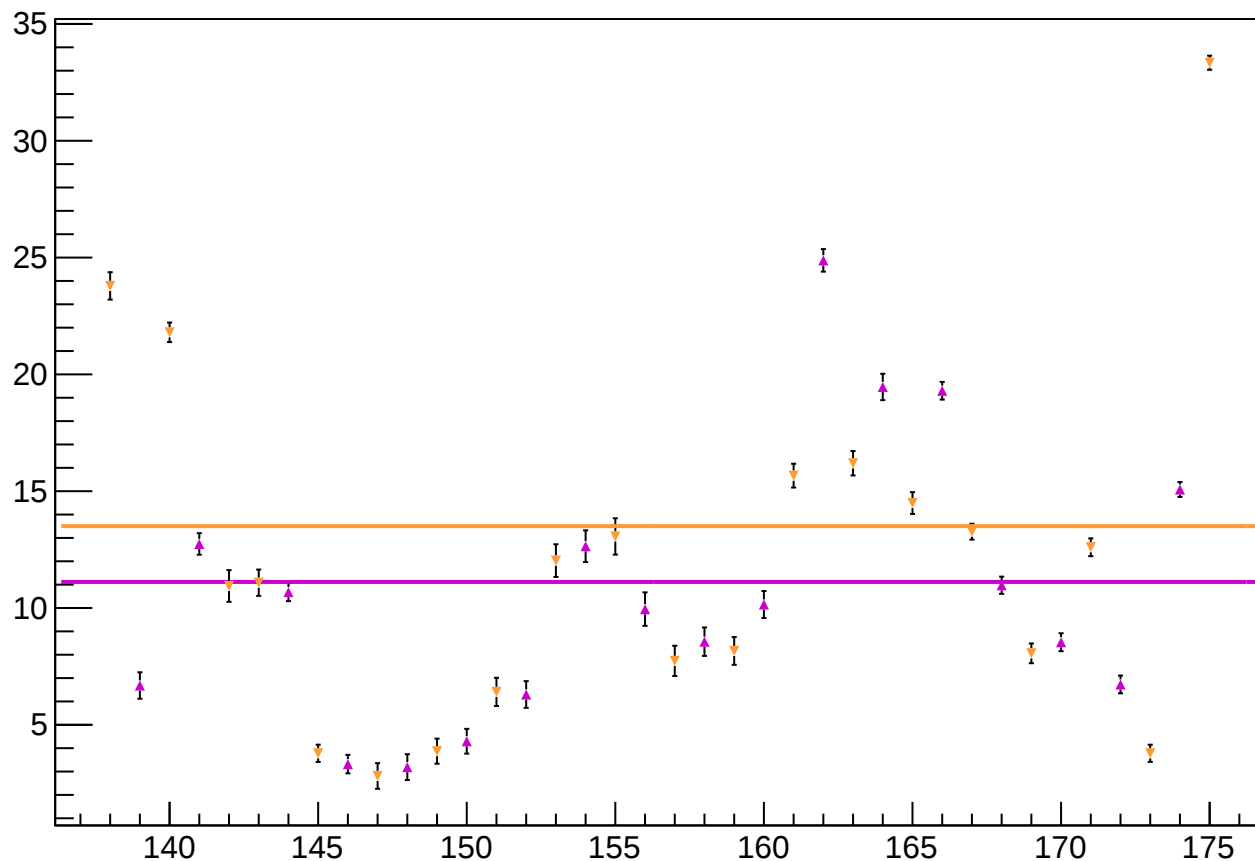
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.432 $\pm$ 0.005 χ^2 /NDF:234.6/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.426 $\pm$ 0.005 χ^2 /NDF:239.3/17

Left: 0.429 $\pm$ 0.003 χ^2 /NDF: 474.8/37
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.426 $\pm$ 0.005 χ^2 /NDF:239.3/17
 Out: 0.432 $\pm$ 0.005 χ^2 /NDF:234.6/19
 All: 0.429 $\pm$ 0.003 χ^2 /NDF: 474.8/37

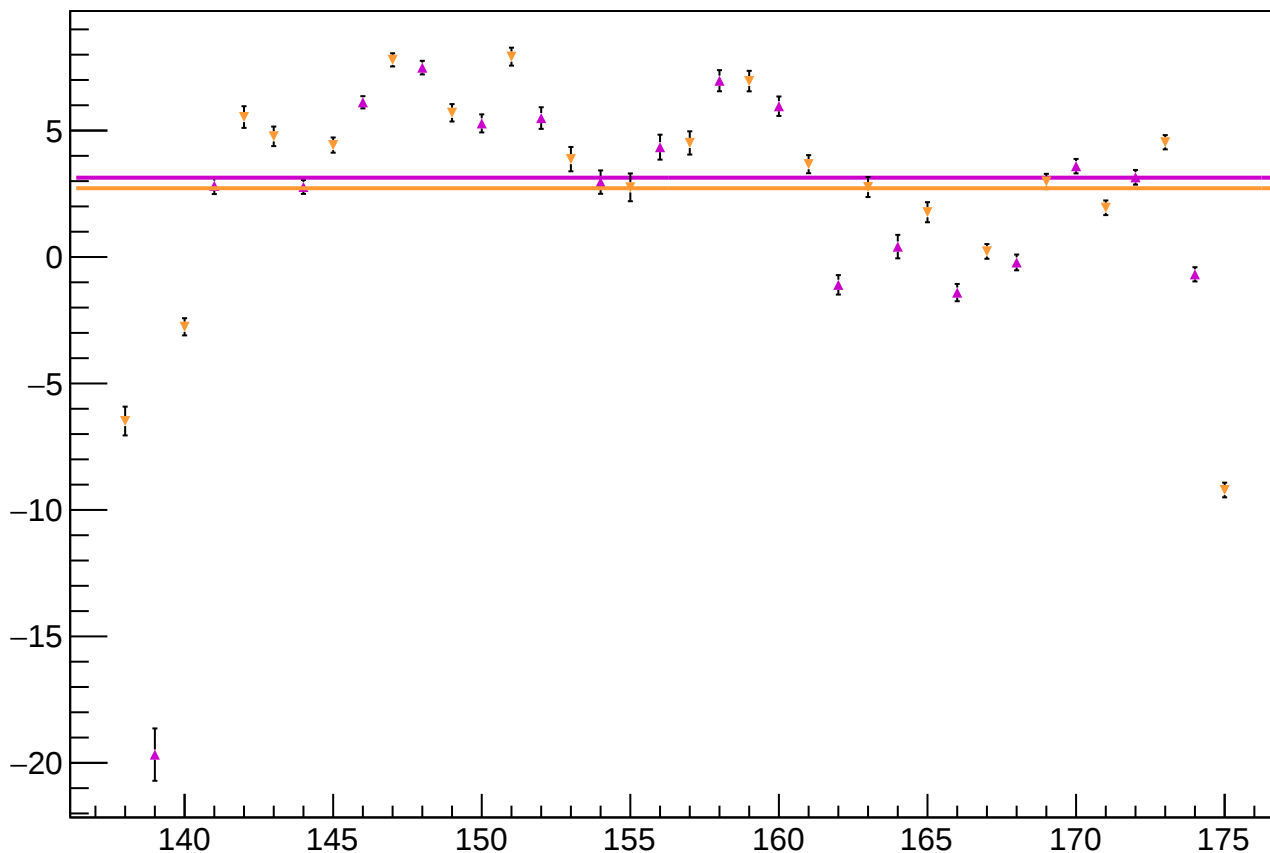
reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 13.505+/-0.105 χ^2/NDF : 7641.8/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 11.116+/-0.108 χ^2/NDF : 2767.5/17

Left: 12.346+/-0.075 χ^2/NDF : 10661.9/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 11.116+/-0.108 χ^2/NDF : 2767.5/17
 Out: 13.505+/-0.105 χ^2/NDF : 7641.8/19
 All: 12.346+/-0.075 χ^2/NDF : 10661.9/37

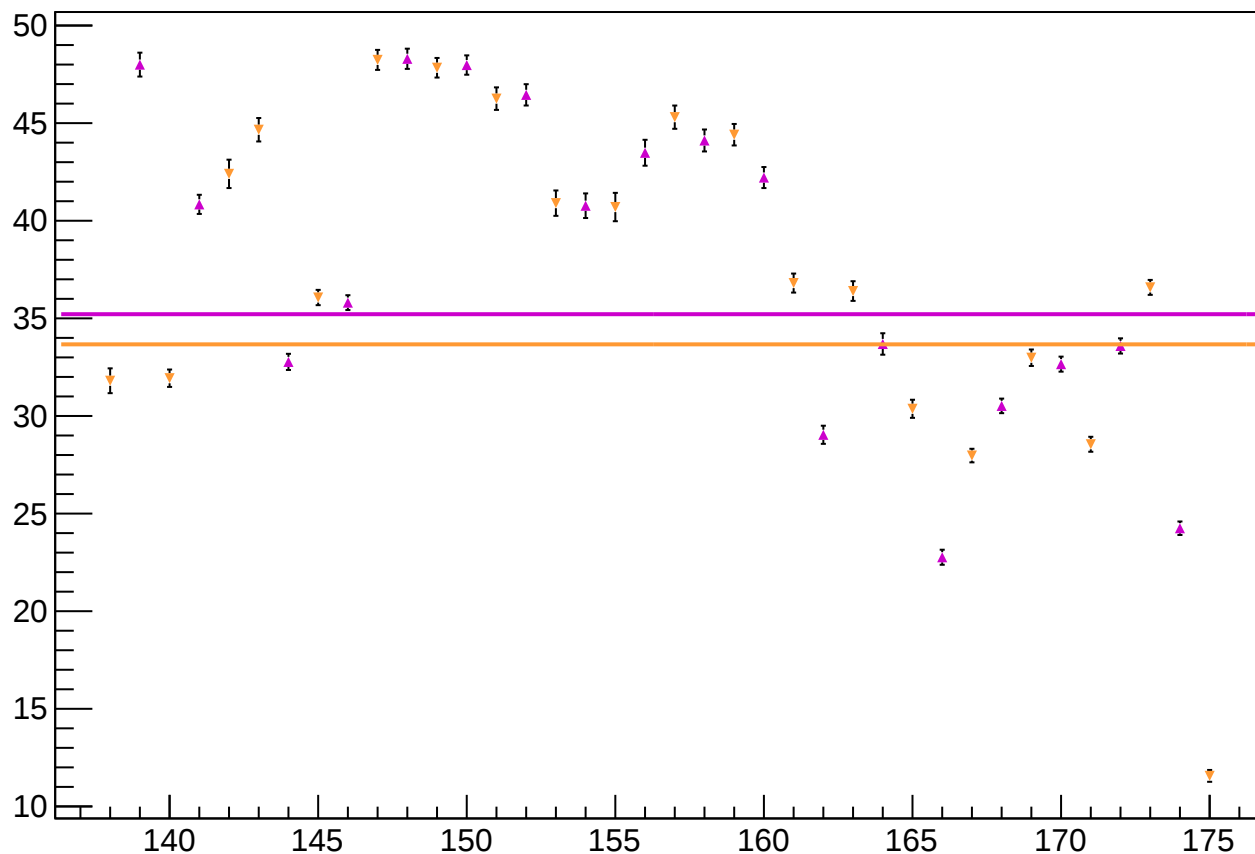
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 2.720+/-0.078 χ^2/NDF :3247.7/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 3.137+/-0.080 χ^2/NDF :1747.0/17

Left: 2.923+/-0.056 χ^2/NDF : 5008.6/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 3.137+/-0.080 χ^2/NDF :1747.0/17
 Out: 2.720+/-0.078 χ^2/NDF :3247.7/19
 All: 2.923+/-0.056 χ^2/NDF : 5008.6/37

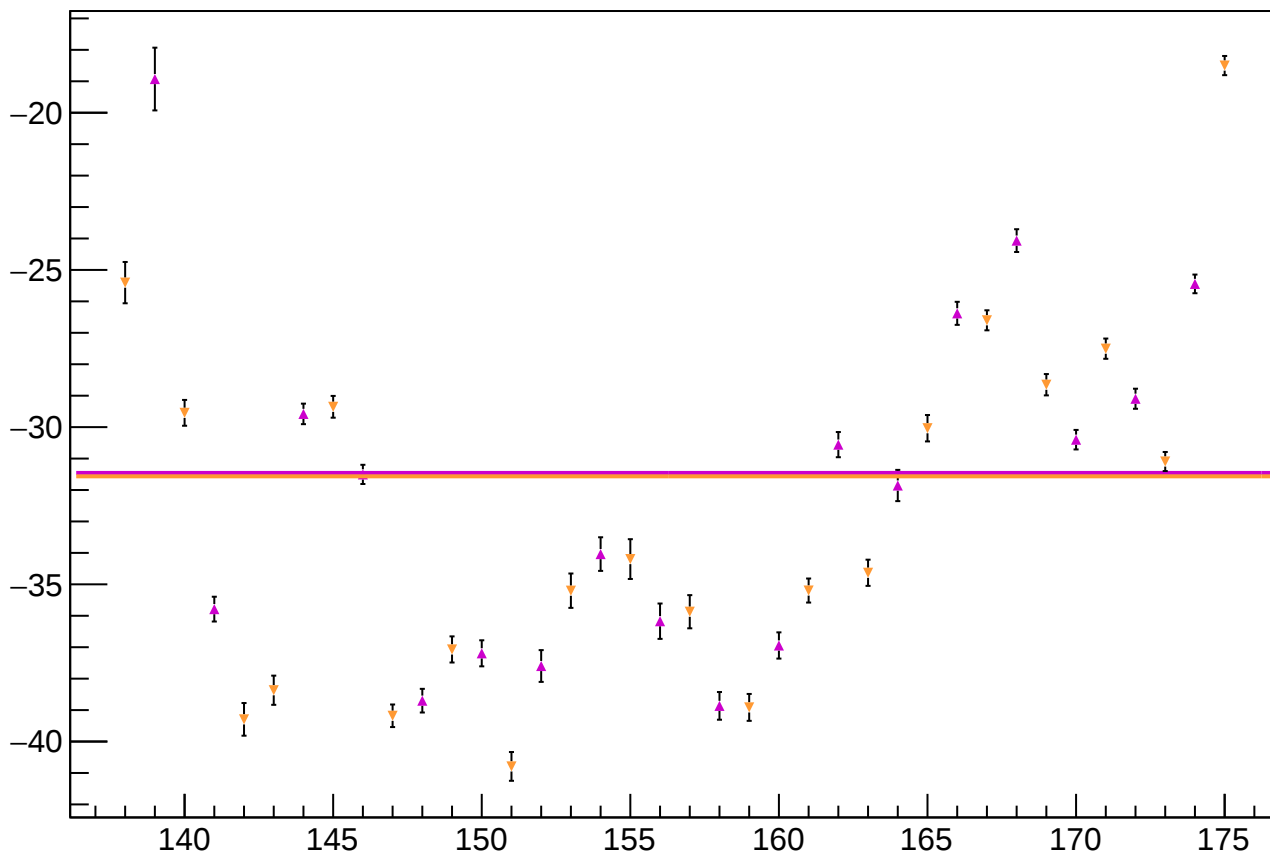
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 33.669 $\pm$ 0.105 χ^2 /NDF:9536.4/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 35.213 $\pm$ 0.108 χ^2 /NDF:5435.2/17

Left: 34.418 $\pm$ 0.075 χ^2 /NDF: 15076.9/37
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 35.213 $\pm$ 0.108 χ^2 /NDF:5435.2/17
 Out: 33.669 $\pm$ 0.105 χ^2 /NDF:9536.4/19
 All: 34.418 $\pm$ 0.075 χ^2 /NDF: 15076.9/37

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: -31.565+/-0.089 χ^2/NDF : 4513.5/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -31.457+/-0.092 χ^2/NDF : 2660.4/17

Left: -31.512+/-0.064 χ^2/NDF : 7174.6/37

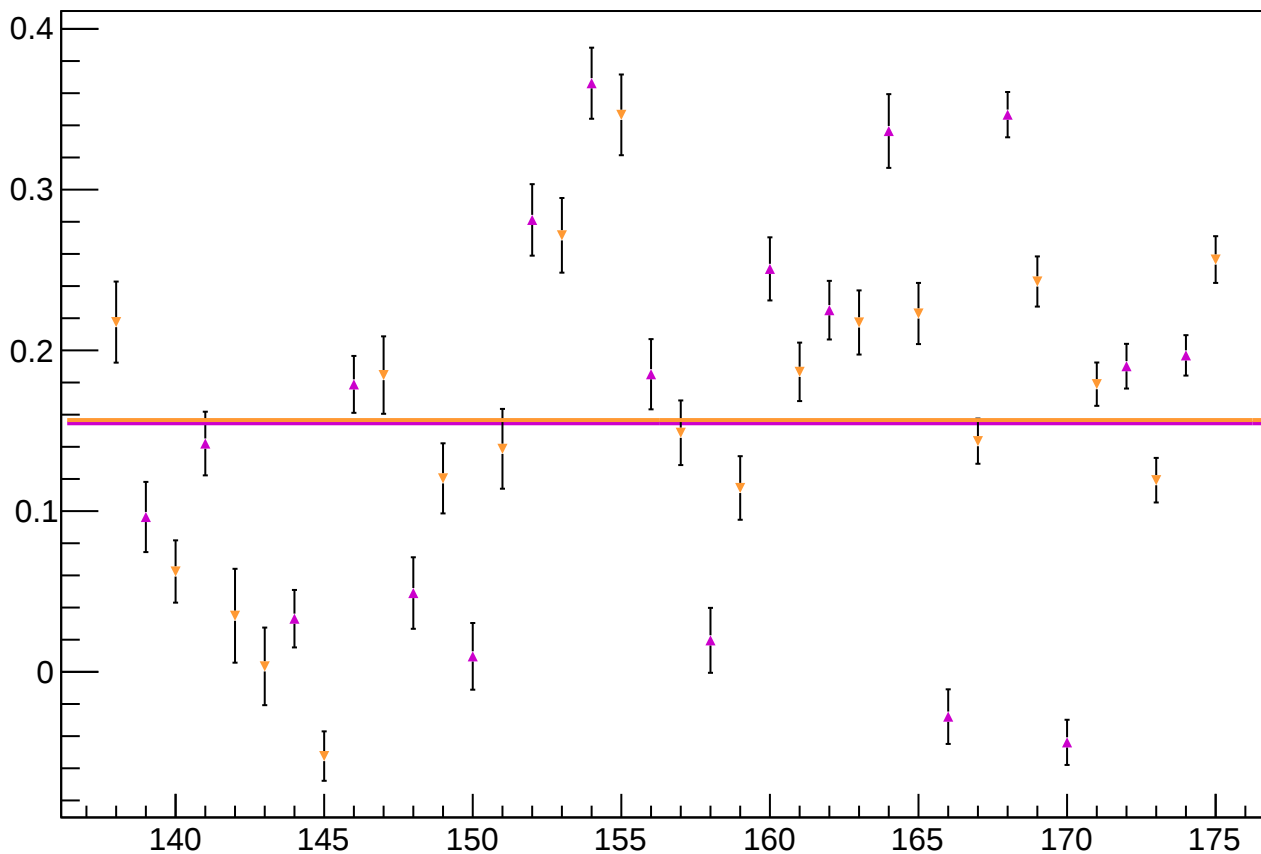
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -31.457+/-0.092 χ^2/NDF : 2660.4/17

Out: -31.565+/-0.089 χ^2/NDF : 4513.5/19

All: -31.512+/-0.064 χ^2/NDF : 7174.6/37

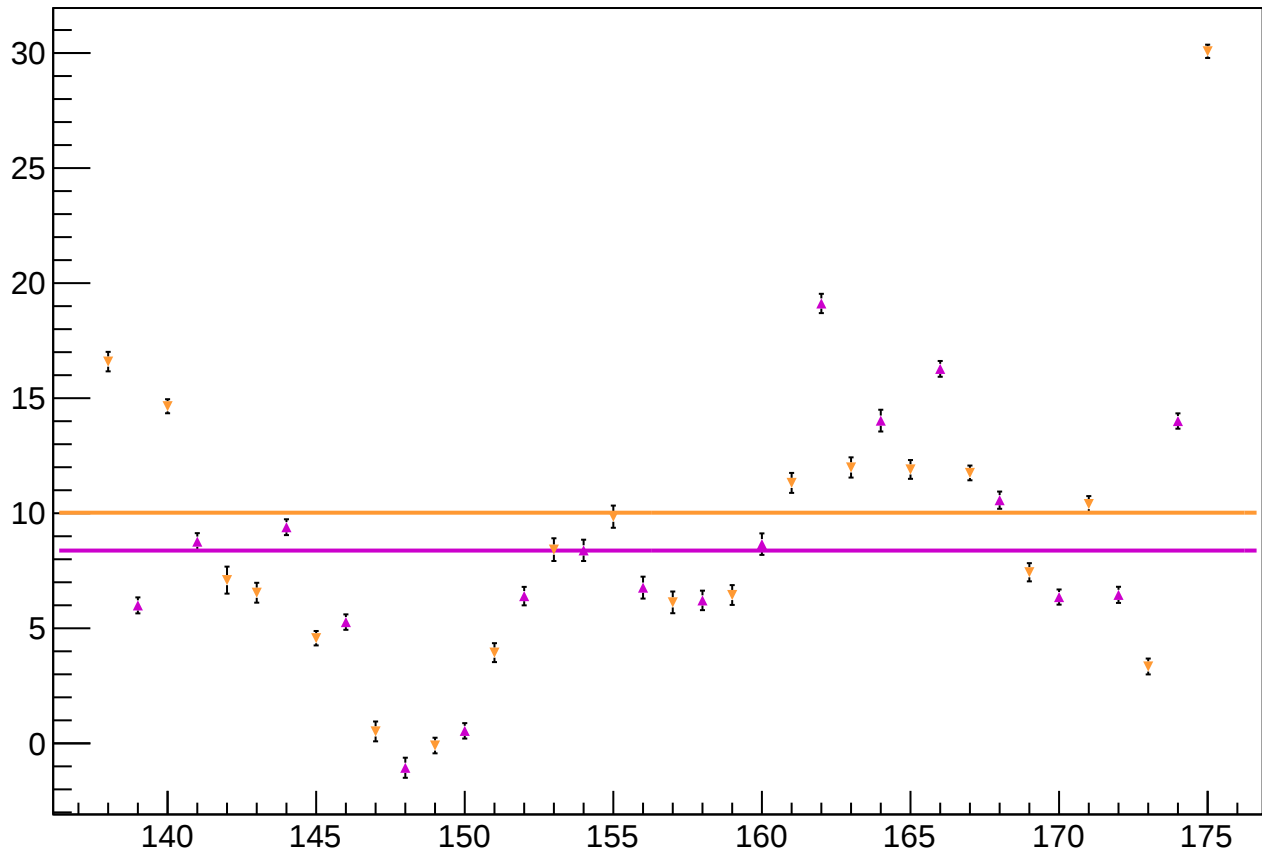
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.157 $\pm$ 0.004 χ^2 /NDF:475.6/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.155 $\pm$ 0.004 χ^2 /NDF:917.4/17

Left: 0.156 $\pm$ 0.003 χ^2 /NDF: 1393.1/37
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.155 $\pm$ 0.004 χ^2 /NDF:917.4/17
 Out: 0.157 $\pm$ 0.004 χ^2 /NDF:475.6/19
 All: 0.156 $\pm$ 0.003 χ^2 /NDF: 1393.1/37

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 10.024 ± 0.086 $\chi^2/\text{NDF}: 7916.6/19$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: 8.378 ± 0.090 $\chi^2/\text{NDF}: 2933.7/17$

Left: 9.232 ± 0.062 $\chi^2/\text{NDF}: 11025.5/37$

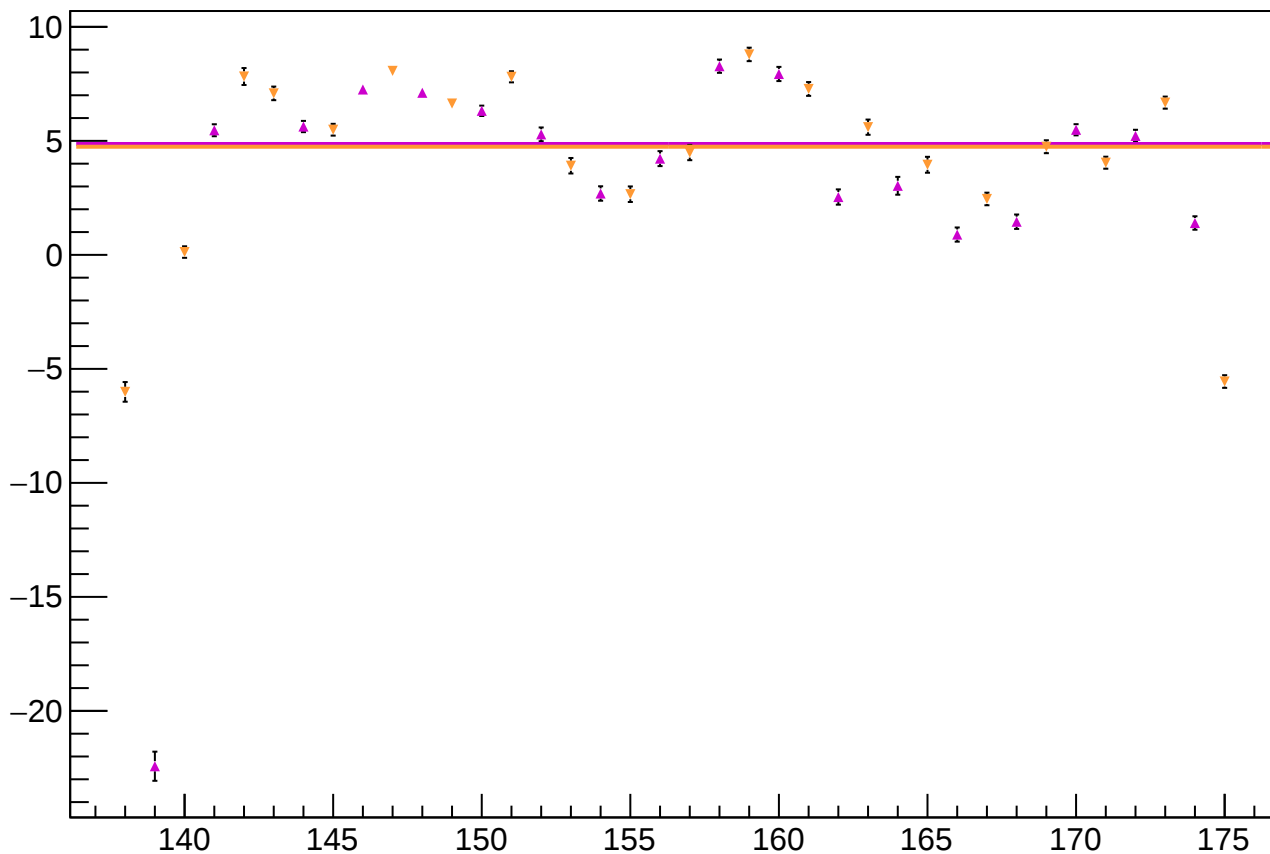
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: 8.378 ± 0.090 $\chi^2/\text{NDF}: 2933.7/17$

Out: 10.024 ± 0.086 $\chi^2/\text{NDF}: 7916.6/19$

All: 9.232 ± 0.062 $\chi^2/\text{NDF}: 11025.5/37$

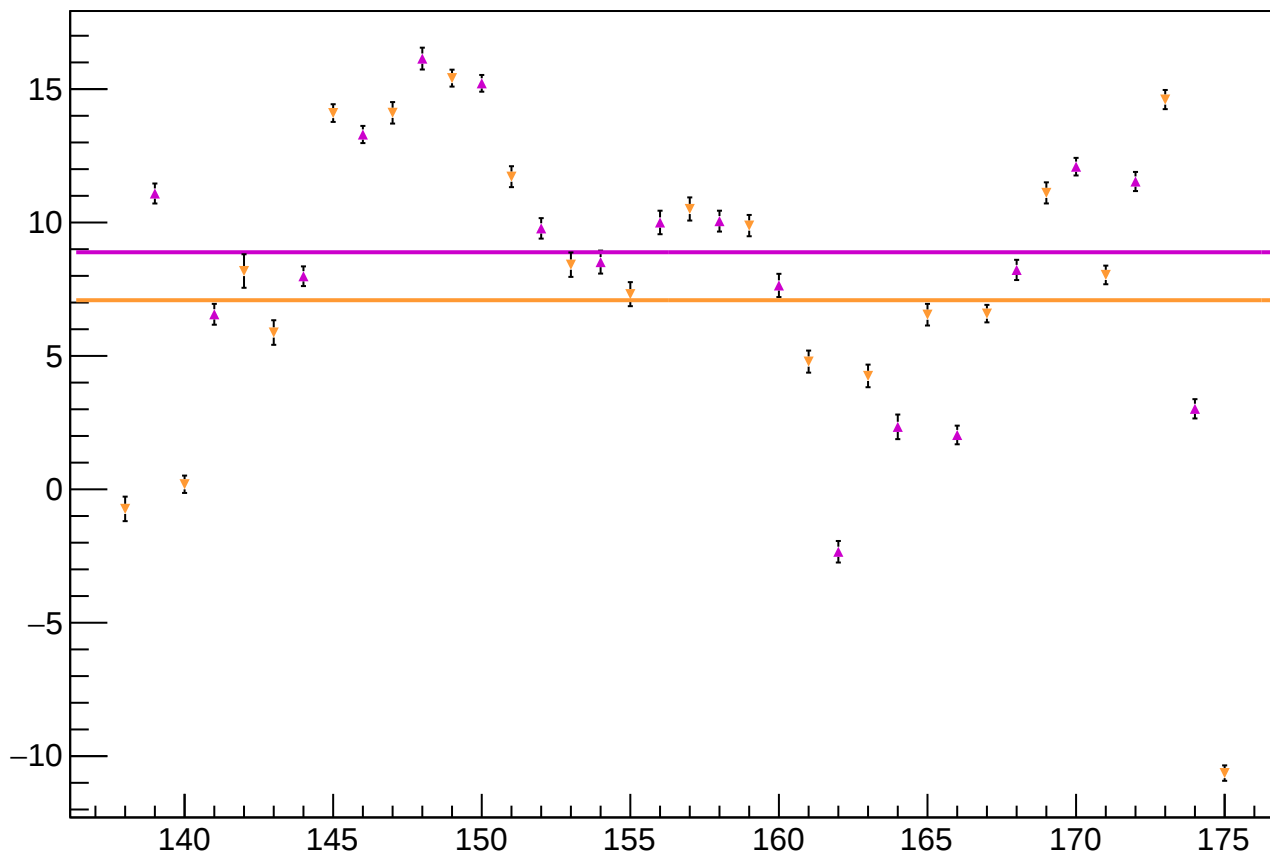
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 4.743+/-0.063 χ^2/NDF :3400.0/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 4.863+/-0.067 χ^2/NDF :2896.7/17

Left: 4.800+/-0.046 χ^2/NDF : 6298.4/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 4.863+/-0.067 χ^2/NDF :2896.7/17
 Out: 4.743+/-0.063 χ^2/NDF :3400.0/19
 All: 4.800+/-0.046 χ^2/NDF : 6298.4/37

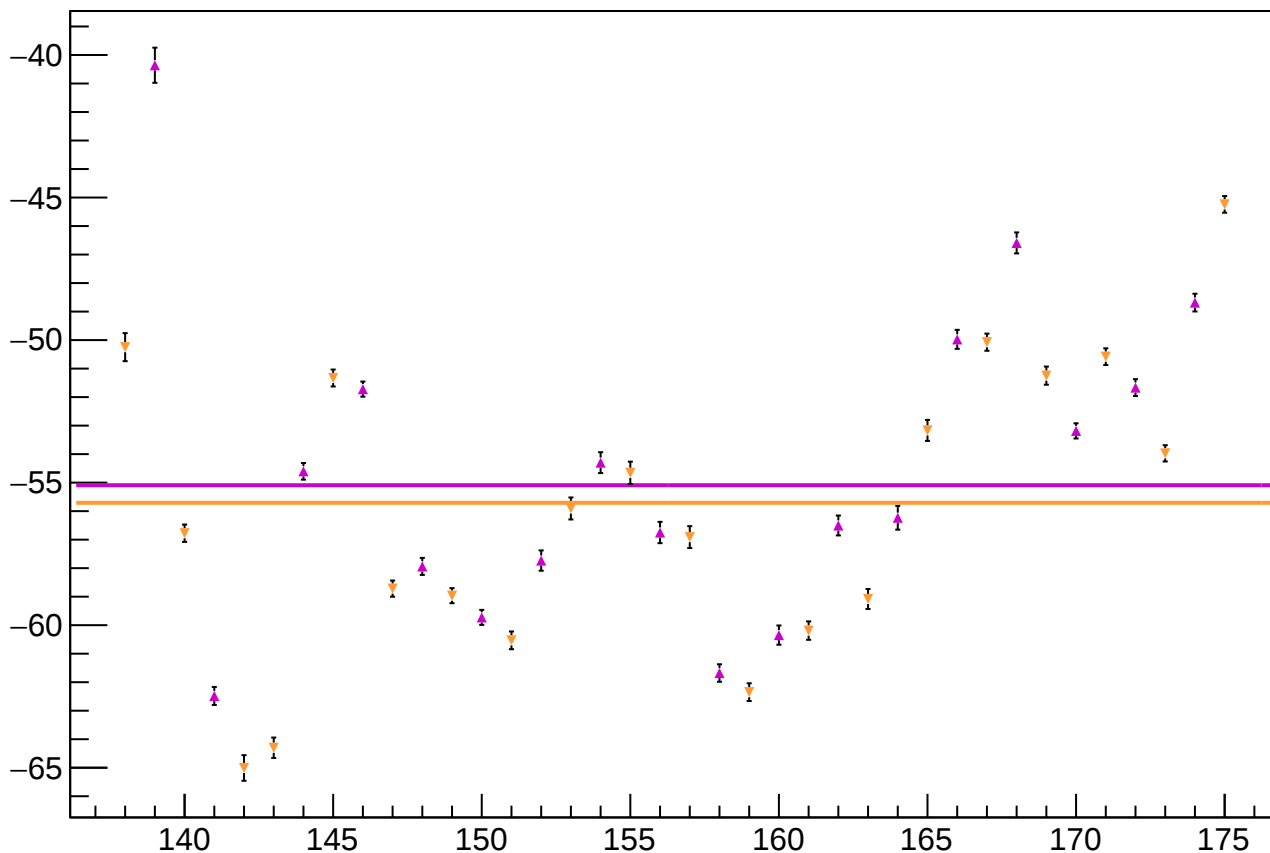
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 7.088+/-0.086 χ^2/NDF :6843.7/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 8.885+/-0.089 χ^2/NDF :2789.3/17

Left: 7.956+/-0.062 χ^2/NDF : 9844.5/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 8.885+/-0.089 χ^2/NDF :2789.3/17
 Out: 7.088+/-0.086 χ^2/NDF :6843.7/19
 All: 7.956+/-0.062 χ^2/NDF : 9844.5/37

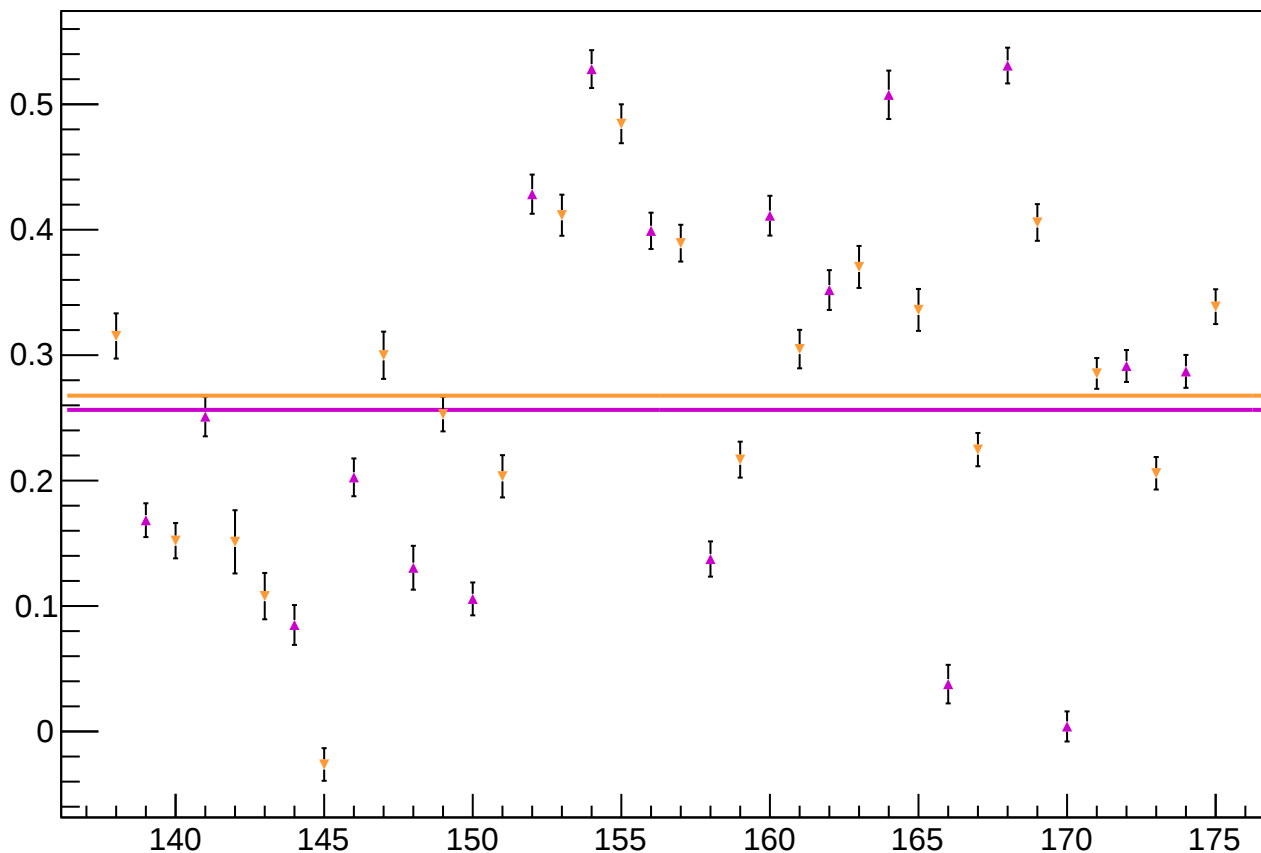
reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -55.707+/-0.073 χ^2/NDF : 4839.7/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -55.091+/-0.076 χ^2/NDF : 3869.9/17

Left: -55.412+/-0.053 χ^2/NDF : 8743.7/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -55.091+/-0.076 χ^2/NDF : 3869.9/17
 Out: -55.707+/-0.073 χ^2/NDF : 4839.7/19
 All: -55.412+/-0.053 χ^2/NDF : 8743.7/37

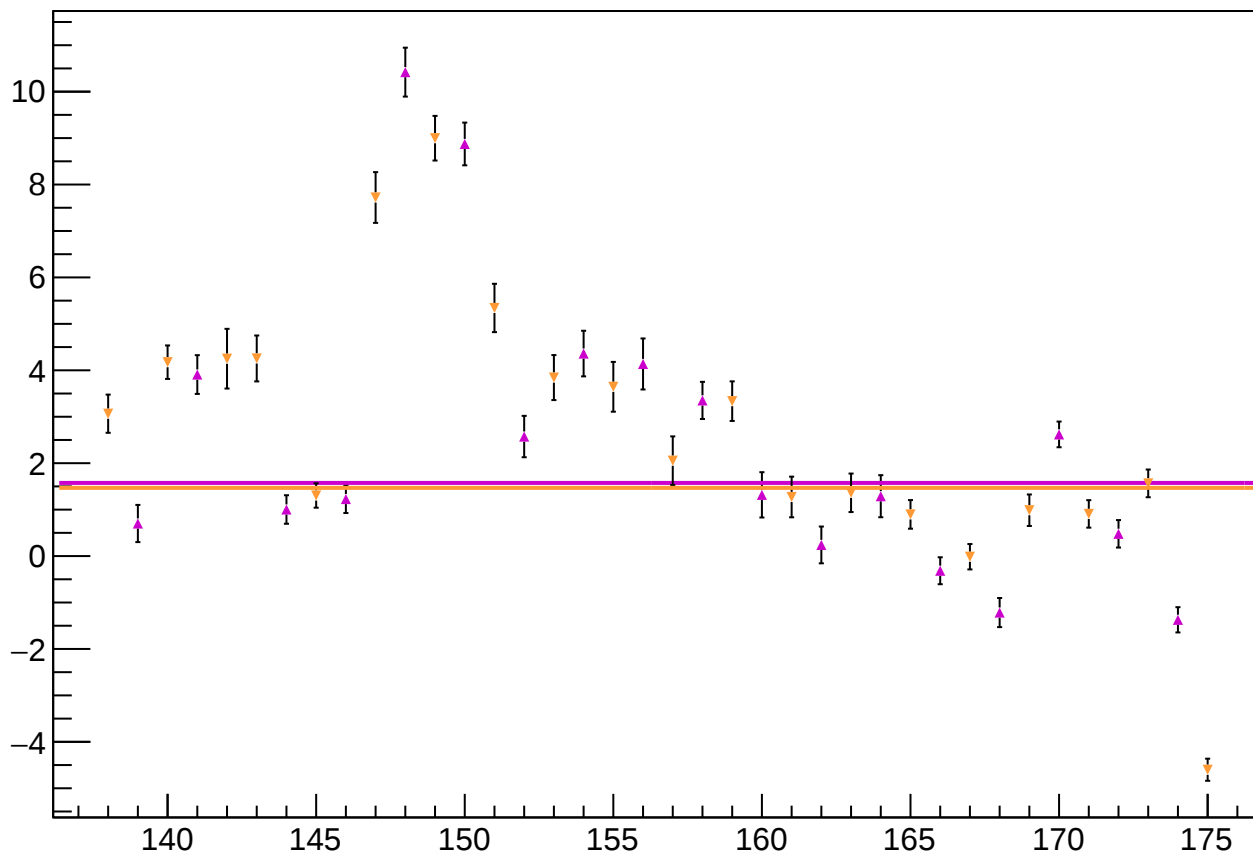
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.268+/-0.003 χ^2/NDF :1264.6/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.256+/-0.003 χ^2/NDF :2299.3/17

Left: 0.262+/-0.002 χ^2/NDF : 3569.4/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 0.256+/-0.003 χ^2/NDF :2299.3/17
 Out: 0.268+/-0.003 χ^2/NDF :1264.6/19
 All: 0.262+/-0.002 χ^2/NDF : 3569.4/37

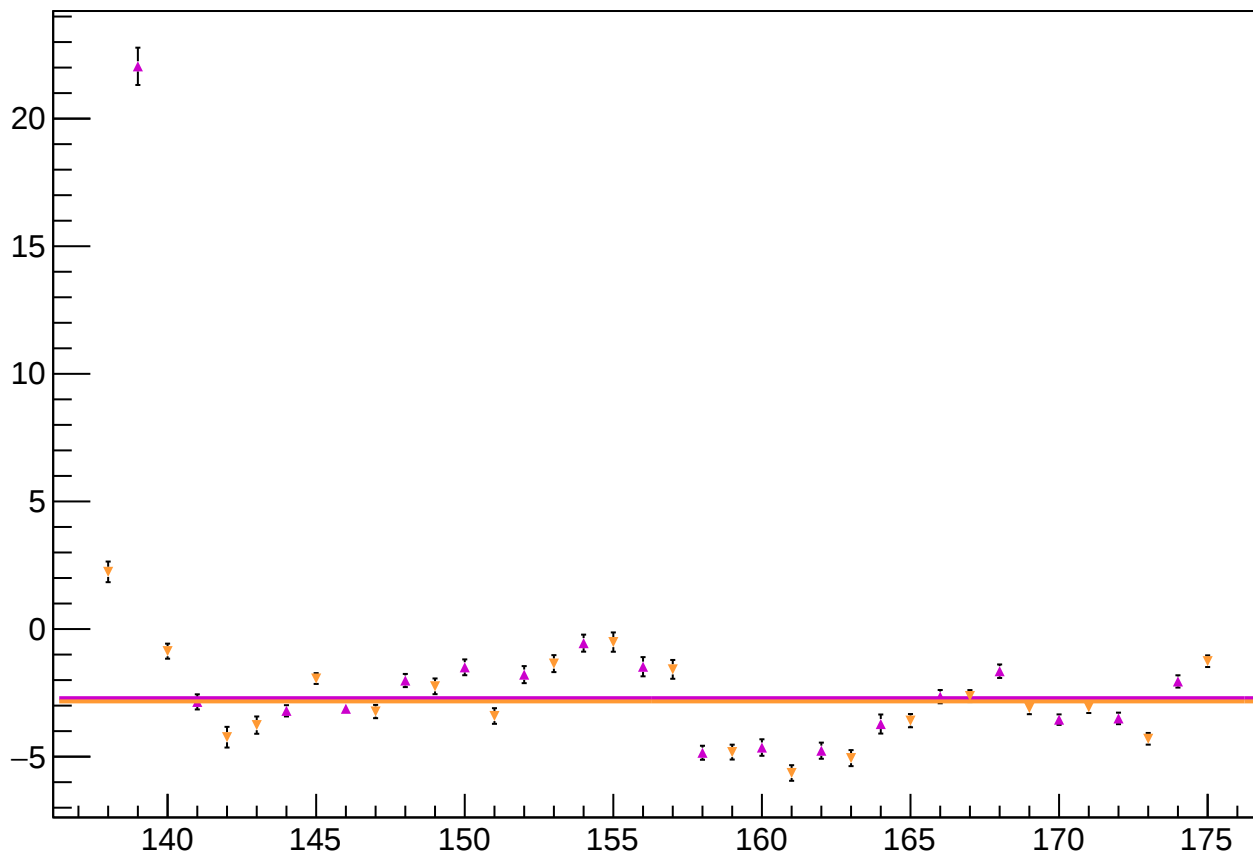
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 1.469+/-0.083 χ^2/NDF :1302.8/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 1.575+/-0.086 χ^2/NDF :932.8/17

Left: 1.520+/-0.059 χ^2/NDF : 2236.4/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 1.575+/-0.086 χ^2/NDF :932.8/17
 Out: 1.469+/-0.083 χ^2/NDF :1302.8/19
 All: 1.520+/-0.059 χ^2/NDF : 2236.4/37

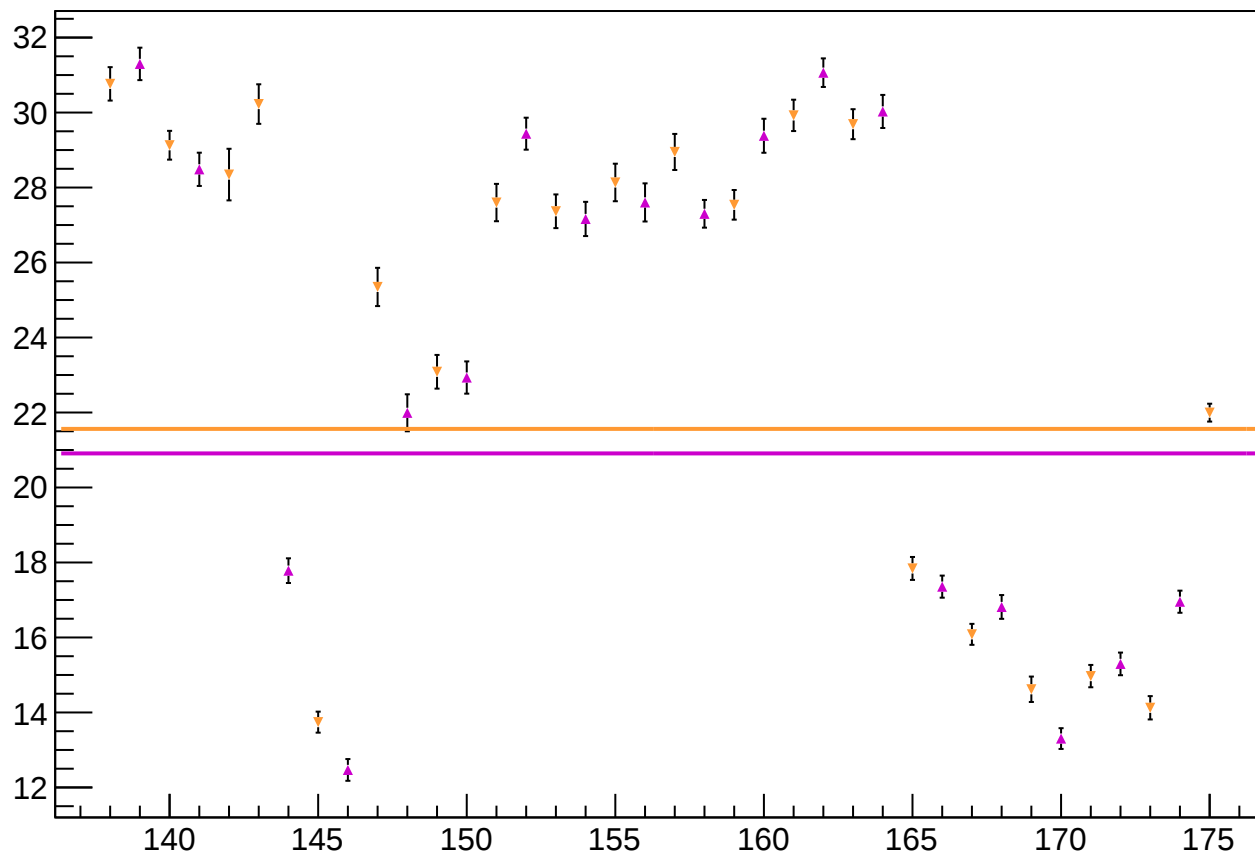
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -2.835 $\pm$ 0.063 χ^2 /NDF:598.9/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -2.709 $\pm$ 0.065 χ^2 /NDF:1437.8/17

Left: -2.774 $\pm$ 0.045 χ^2 /NDF: 2038.7/37
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -2.709 $\pm$ 0.065 χ^2 /NDF:1437.8/17
 Out: -2.835 $\pm$ 0.063 χ^2 /NDF:598.9/19
 All: -2.774 $\pm$ 0.045 χ^2 /NDF: 2038.7/37

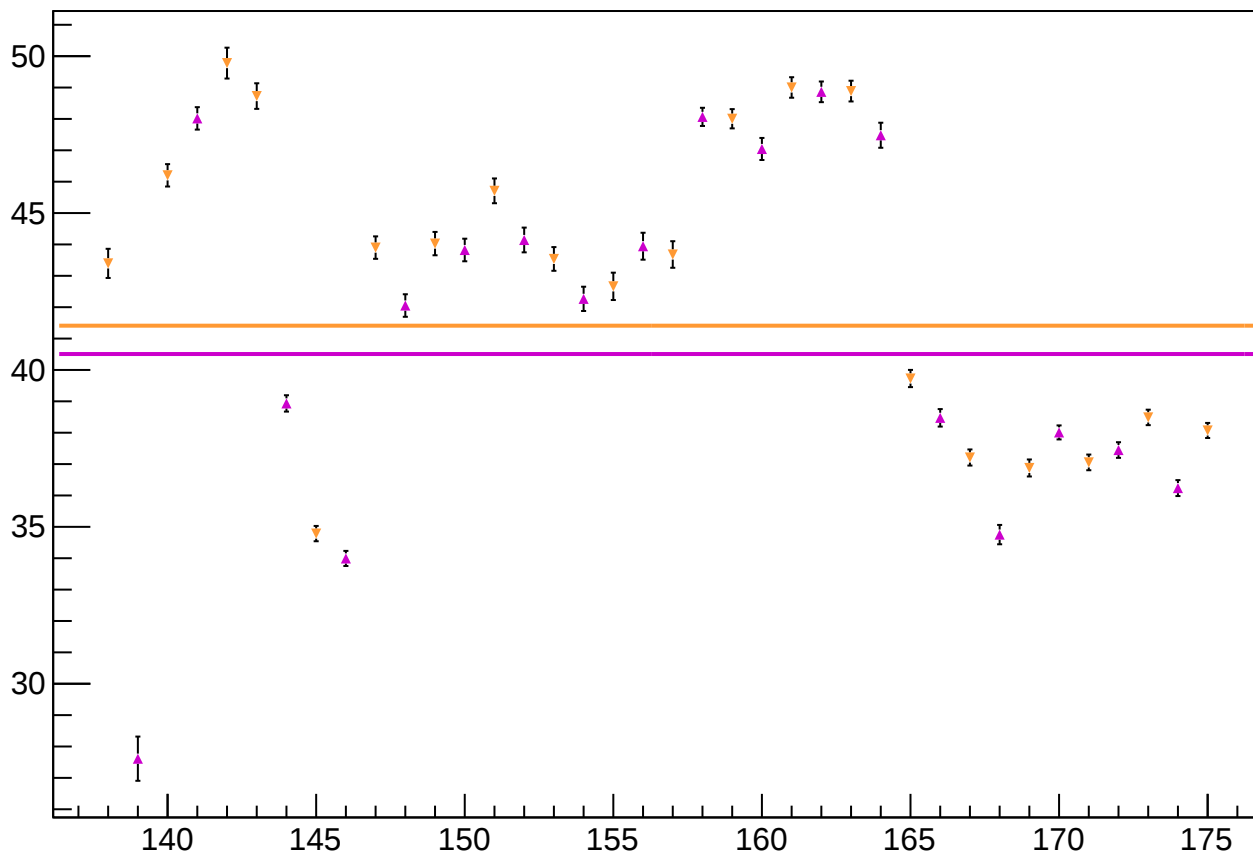
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 21.563+/-0.083 χ^2/NDF :5806.3/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 20.909+/-0.086 χ^2/NDF :5969.4/17

Left: 21.247+/-0.060 χ^2/NDF : 11805.9/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 20.909+/-0.086 χ^2/NDF :5969.4/17
 Out: 21.563+/-0.083 χ^2/NDF :5806.3/19
 All: 21.247+/-0.060 χ^2/NDF : 11805.9/37

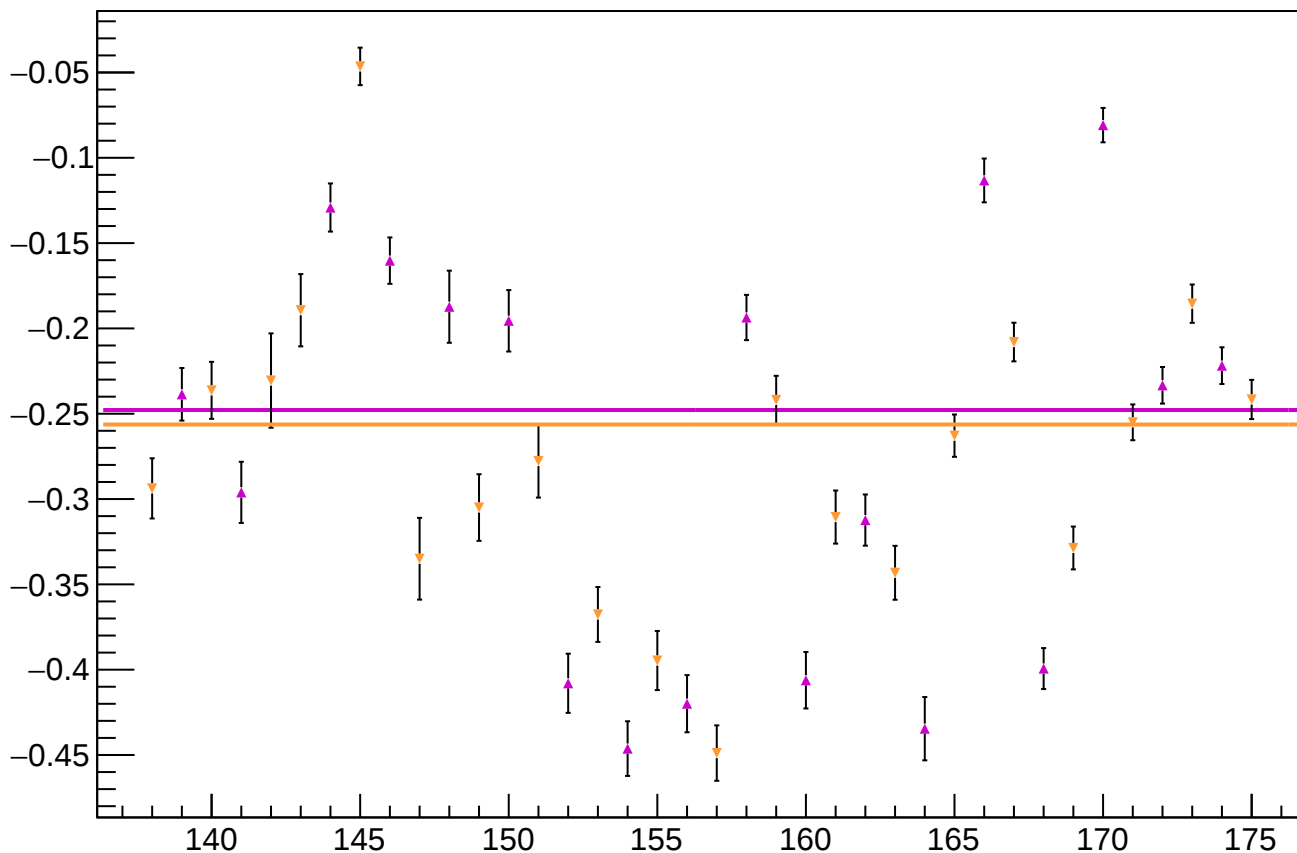
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 41.411+/-0.071 χ^2/NDF : 4568.5/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 40.508+/-0.073 χ^2/NDF : 4756.0/17

Left: 40.975+/-0.051 χ^2/NDF : 9403.2/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 40.508+/-0.073 χ^2/NDF : 4756.0/17
 Out: 41.411+/-0.071 χ^2/NDF : 4568.5/19
 All: 40.975+/-0.051 χ^2/NDF : 9403.2/37

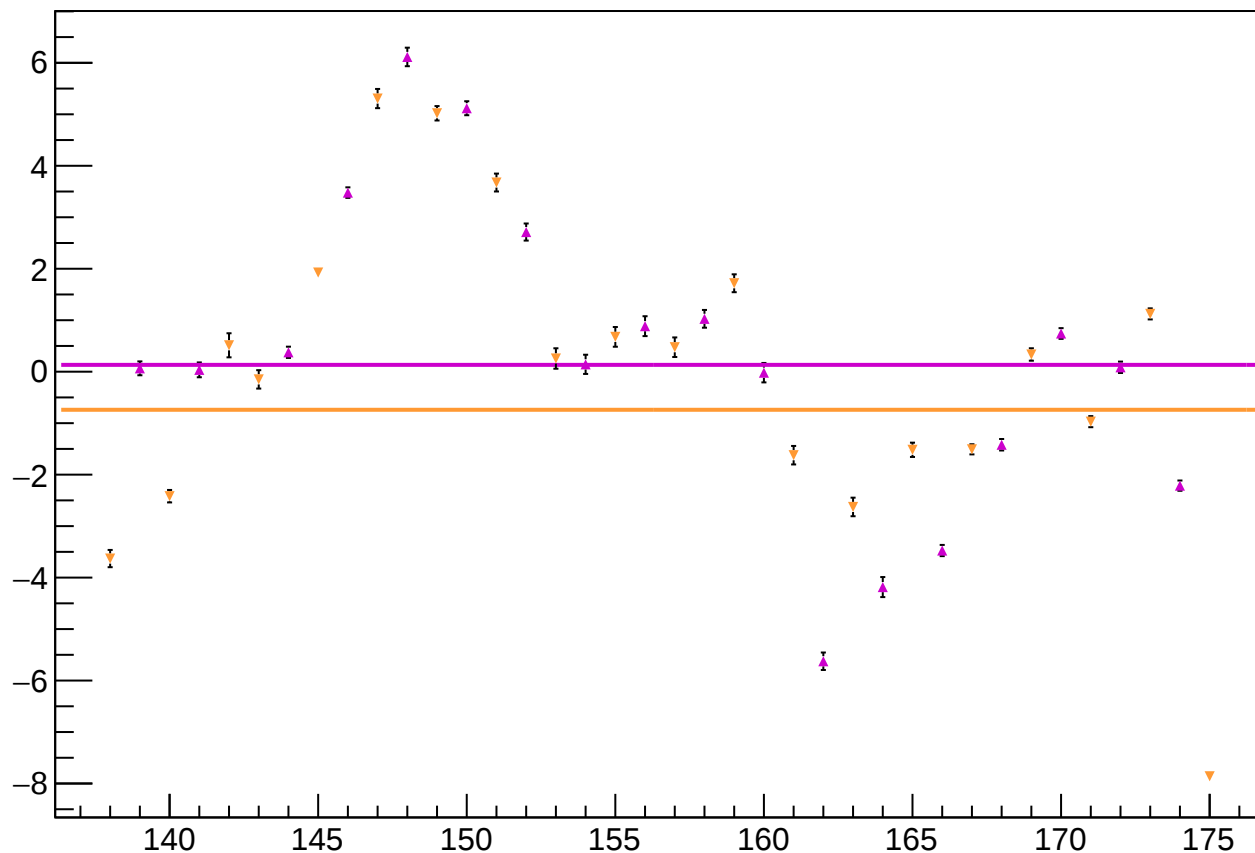
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.256 $\pm$ 0.003 χ^2 /NDF:788.5/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.248 $\pm$ 0.003 χ^2 /NDF:1260.1/17

Left: -0.252 $\pm$ 0.002 χ^2 /NDF: 2051.9/37
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.248 $\pm$ 0.003 χ^2 /NDF:1260.1/17
 Out: -0.256 $\pm$ 0.003 χ^2 /NDF:788.5/19
 All: -0.252 $\pm$ 0.002 χ^2 /NDF: 2051.9/37

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



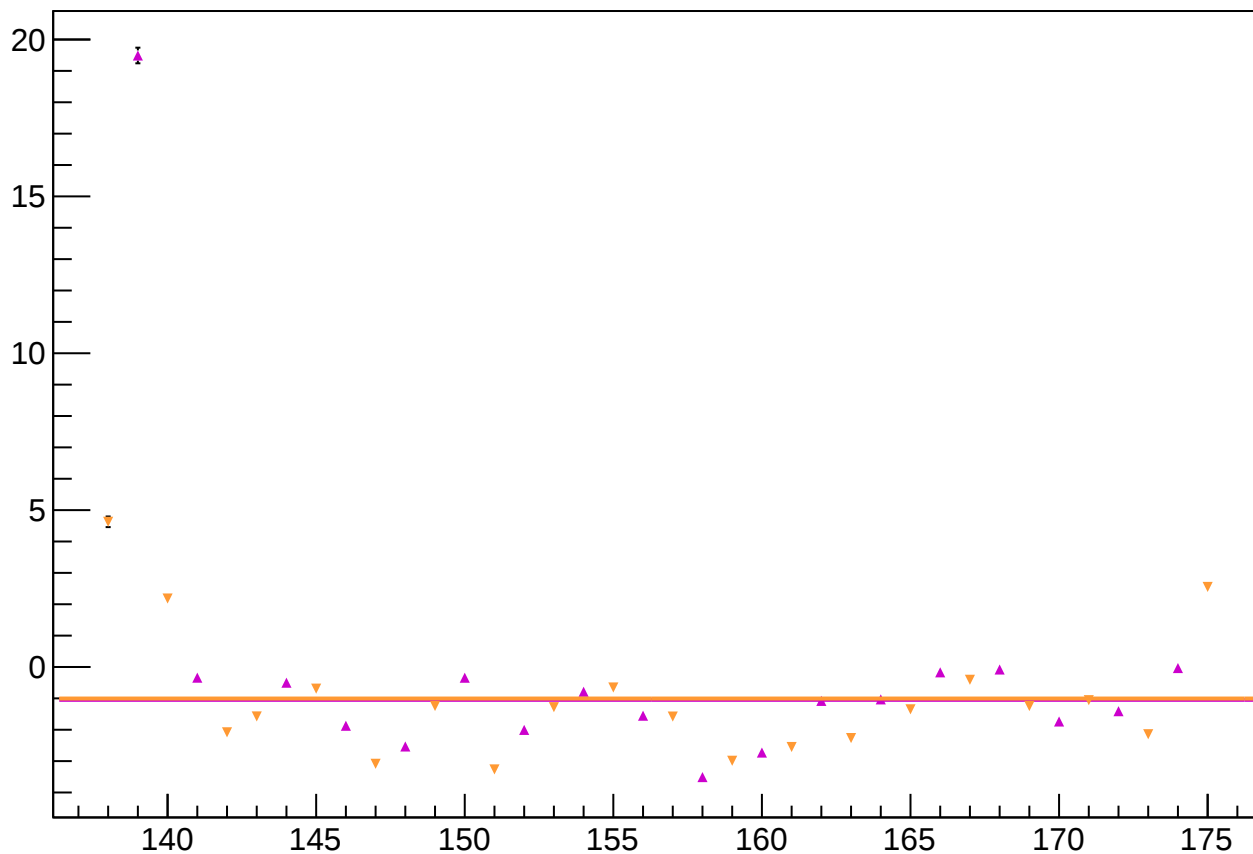
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.740+/-0.030 χ^2/NDF :12268.7/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.133+/-0.031 χ^2/NDF :7332.9/17

Left: -0.316+/-0.022 χ^2/NDF : 20001.5/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.133+/-0.031 χ^2/NDF :7332.9/17
 Out: -0.740+/-0.030 χ^2/NDF :12268.7/19

All: -0.316+/-0.022 χ^2/NDF : 20001.5/37

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



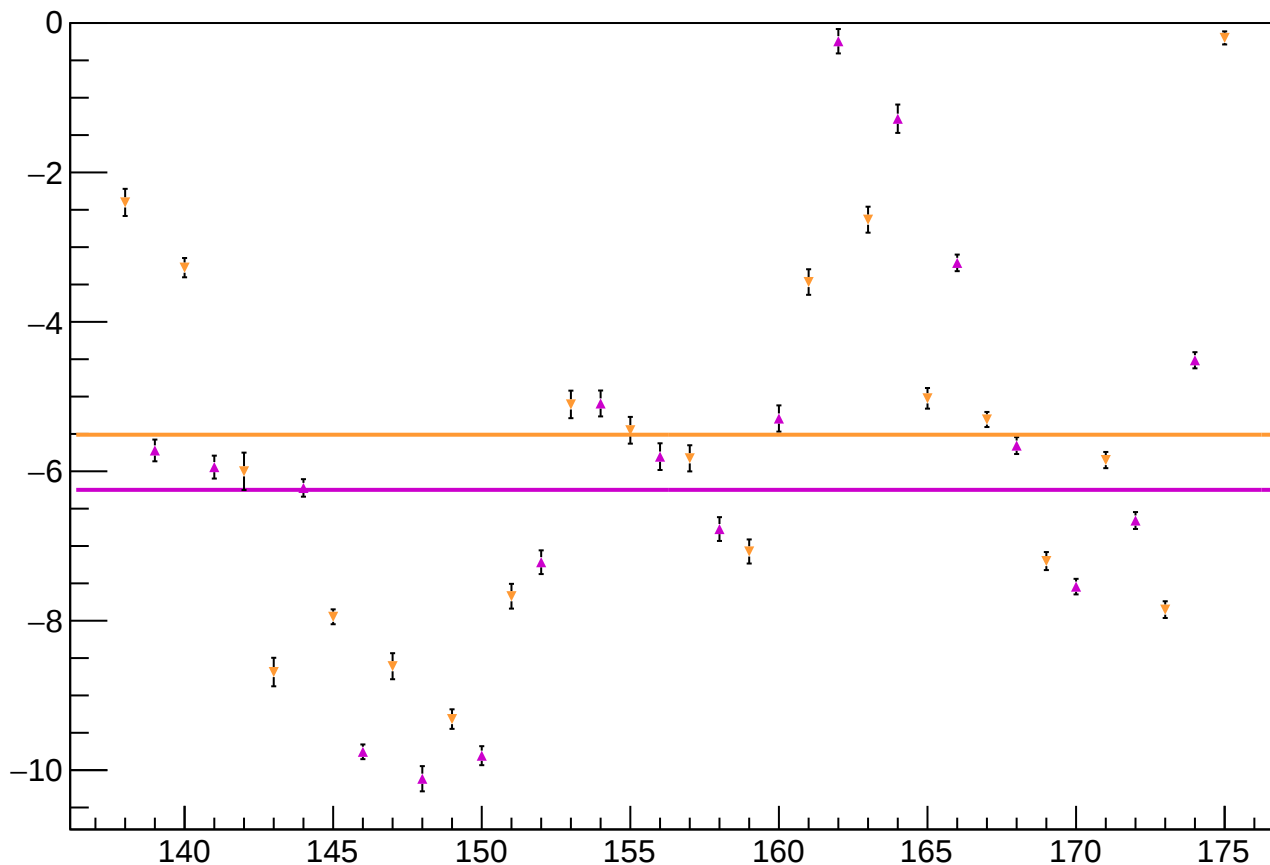
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.005+/-0.023 χ^2/NDF : 5833.1/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.046+/-0.024 χ^2/NDF : 8481.9/17

Left: -1.025+/-0.016 χ^2/NDF : 14316.5/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1.046+/-0.024 χ^2/NDF : 8481.9/17
 Out: -1.005+/-0.023 χ^2/NDF : 5833.1/19

All: -1.025+/-0.016 χ^2/NDF : 14316.5/37

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



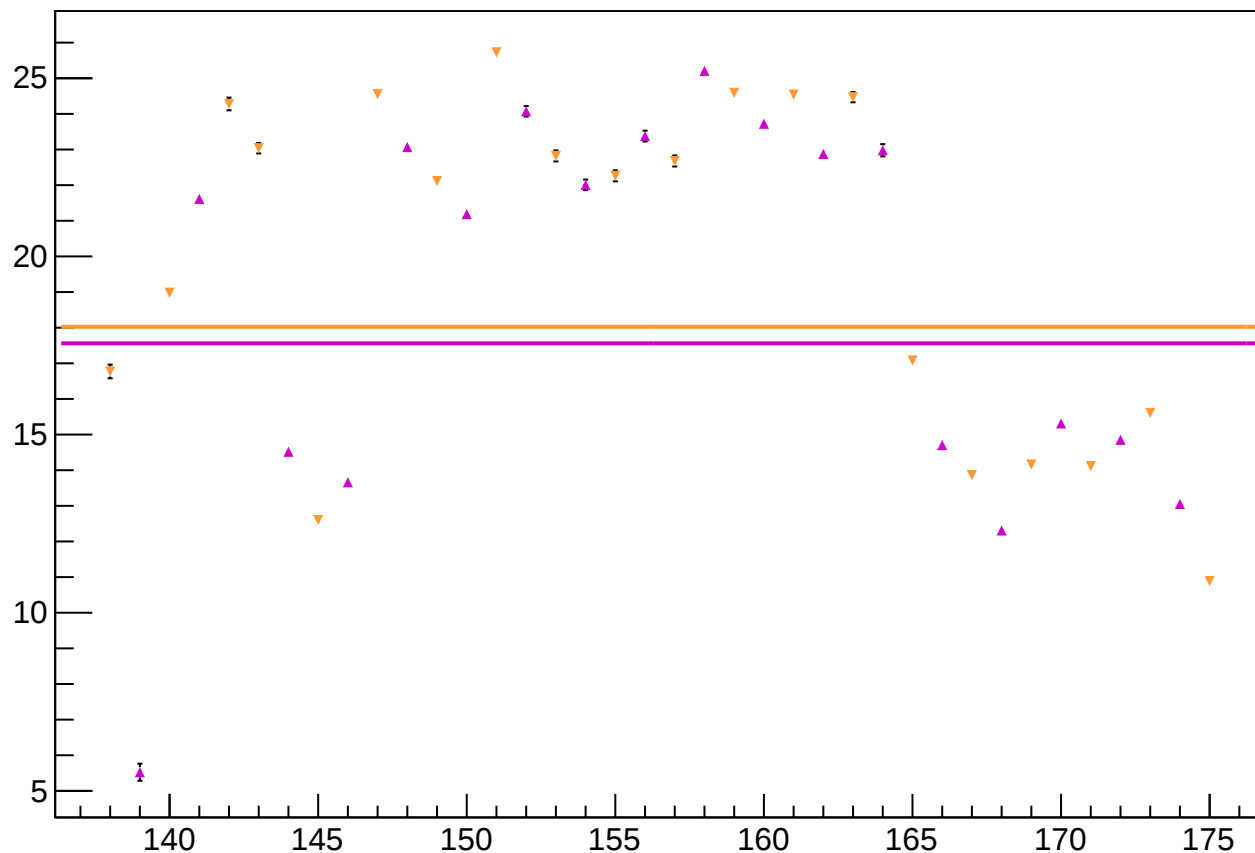
Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -5.510 $\pm$ 0.030 χ^2/NDF : 7664.9/19
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -6.248 $\pm$ 0.031 χ^2/NDF : 5961.4/17

Left: -5.869 $\pm$ 0.022 χ^2/NDF : 13911.5/37
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -6.248 $\pm$ 0.031 χ^2/NDF : 5961.4/17
 Out: -5.510 $\pm$ 0.030 χ^2/NDF : 7664.9/19

All: -5.869 $\pm$ 0.022 χ^2/NDF : 13911.5/37

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: 18.025+/-0.026 χ^2/NDF :36412.5/19

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

Left In: 17.560+/-0.027 χ^2/NDF :29506.1/17

Left: 17.799+/-0.019 χ^2/NDF : 66071.9/37

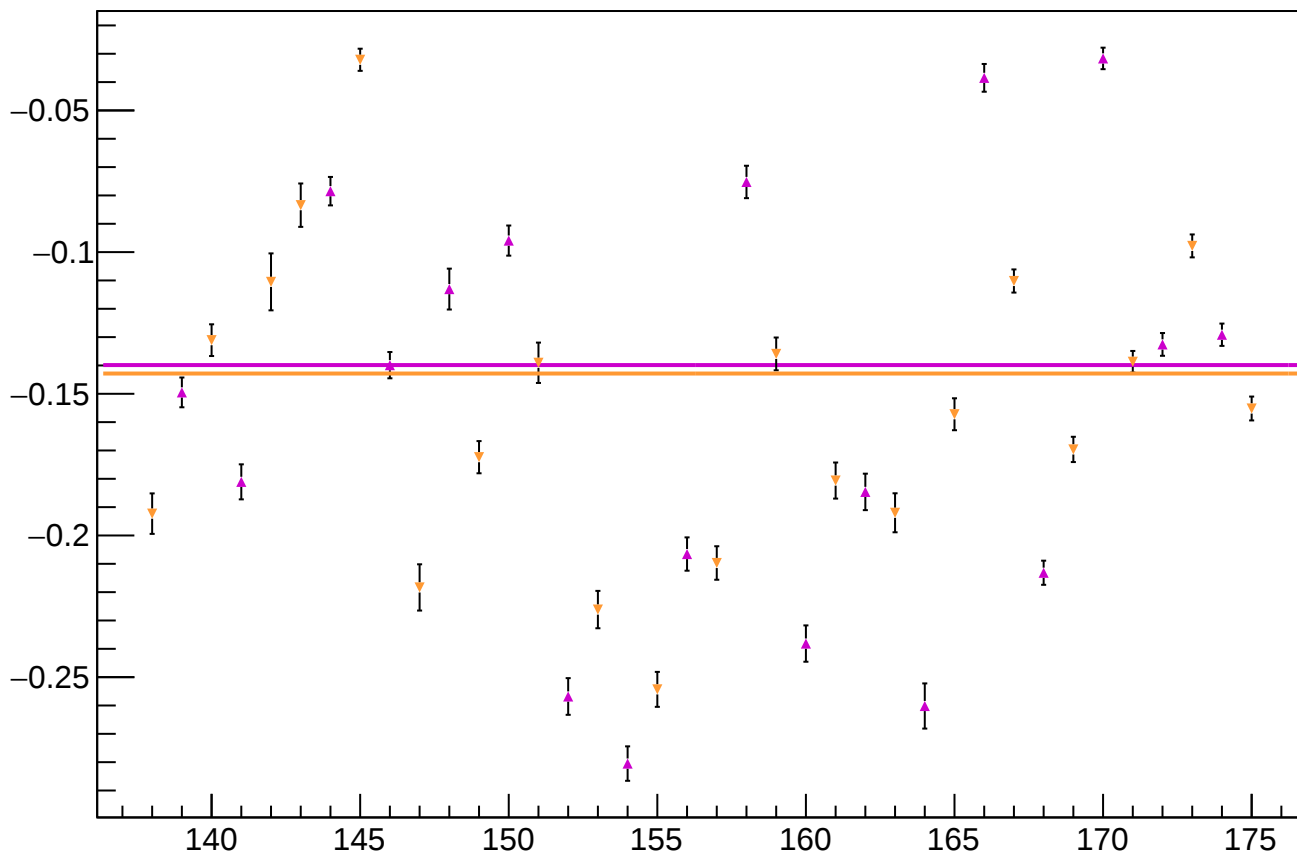
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 17.560+/-0.027 χ^2/NDF :29506.1/17

Out: 18.025+/-0.026 χ^2/NDF :36412.5/19

All: 17.799+/-0.019 χ^2/NDF : 66071.9/37

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: -0.143+/-0.001 χ^2/NDF :1980.3/19

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

Left In: -0.140+/-0.001 χ^2/NDF :3457.1/17

Left: -0.141+/-0.001 χ^2/NDF : 5440.5/37

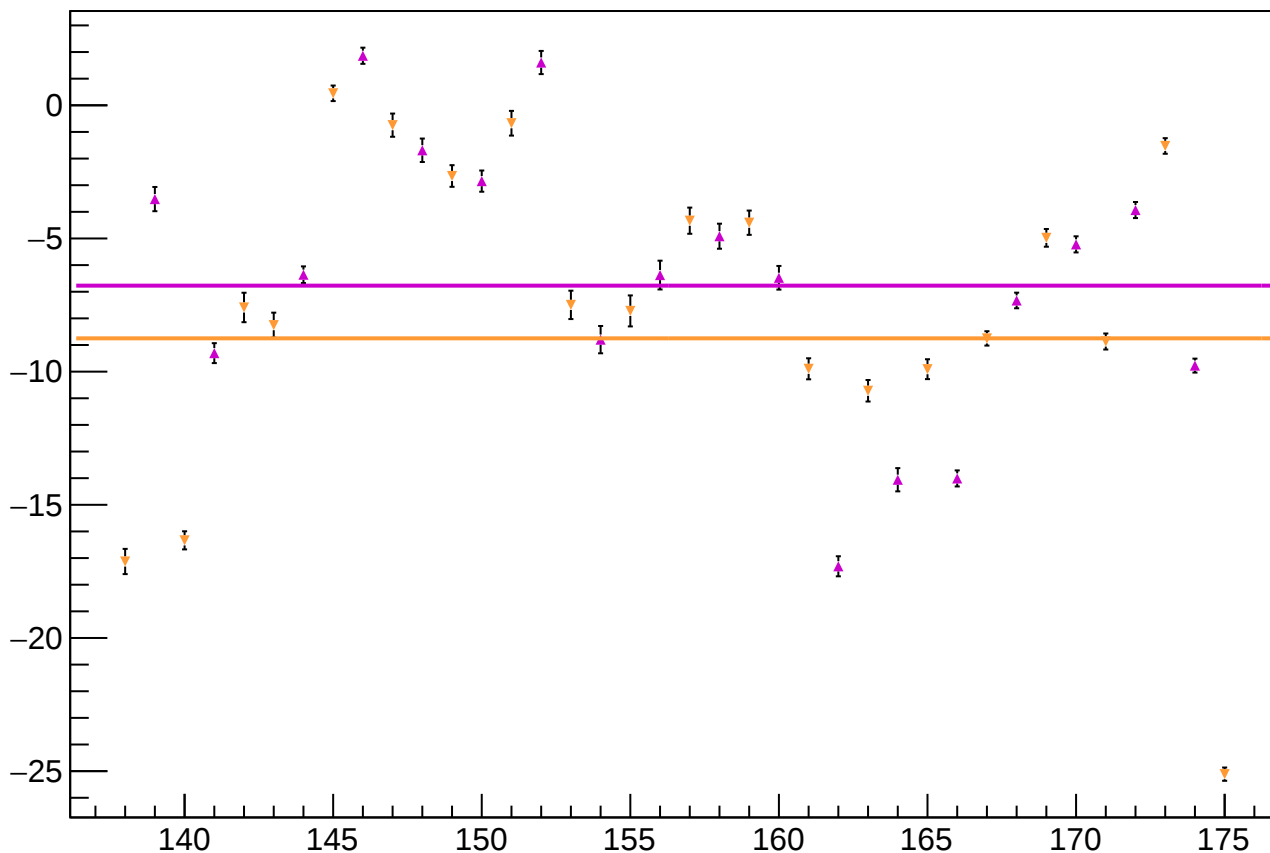
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -0.140+/-0.001 χ^2/NDF :3457.1/17

Out: -0.143+/-0.001 χ^2/NDF :1980.3/19

All: -0.141+/-0.001 χ^2/NDF : 5440.5/37

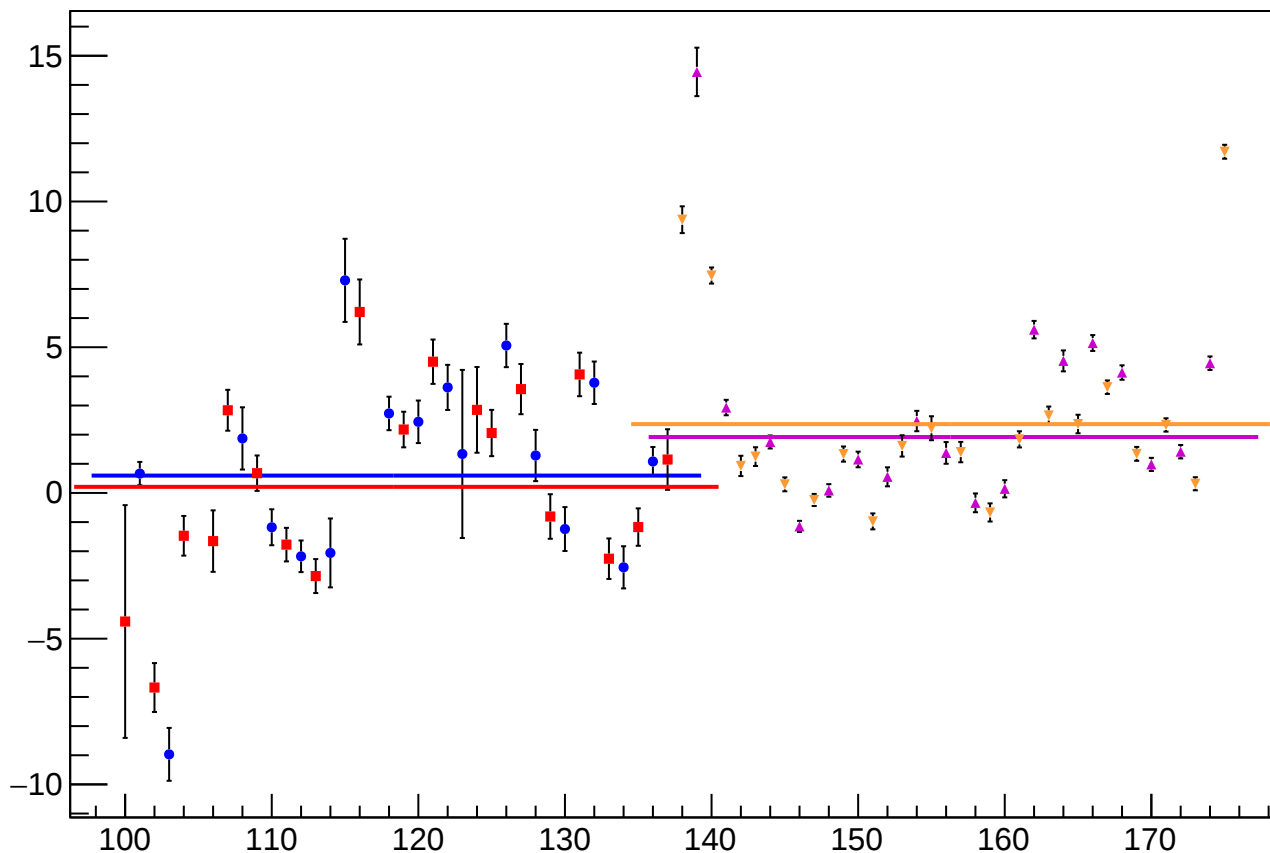
reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -8.750+/-0.083 χ^2/NDF :7942.6/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -6.771+/-0.085 χ^2/NDF :3429.3/17

Left: -7.786+/-0.059 χ^2/NDF : 11649.0/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -6.771+/-0.085 χ^2/NDF :3429.3/17
 Out: -8.750+/-0.083 χ^2/NDF :7942.6/19
 All: -7.786+/-0.059 χ^2/NDF : 11649.0/37

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: 2.361 $\pm$ 0.062 χ^2 /NDF:2768.6/19

Right Out: 0.209 $\pm$ 0.175 χ^2 /NDF: 273.5/18

Left In: 1.919 $\pm$ 0.063 χ^2 /NDF:1252.9/17

Left: 2.145 $\pm$ 0.044 χ^2 /NDF: 4046.6/37

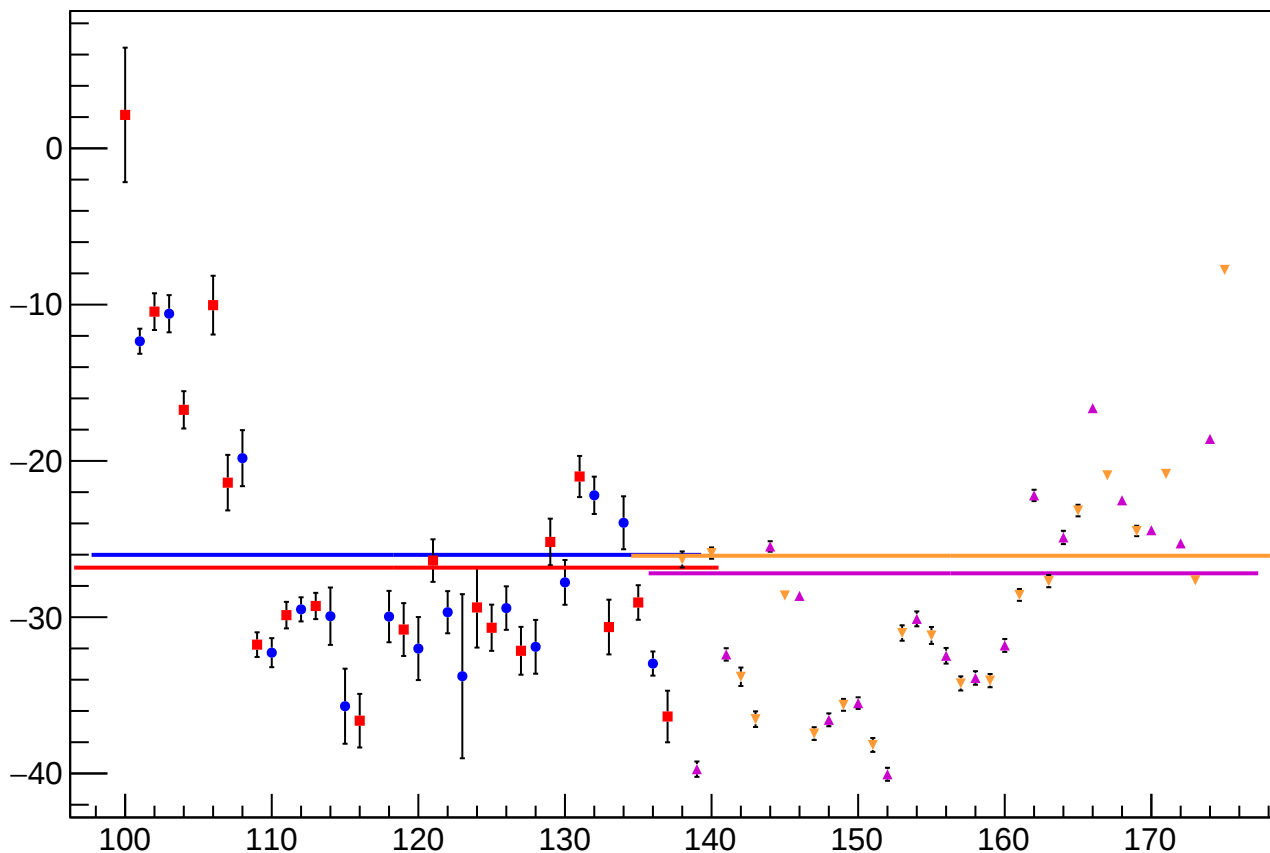
Right: 0.409 $\pm$ 0.121 χ^2 /NDF: 567.2/35

In: 1.756 $\pm$ 0.059 χ^2 /NDF:1597.8/34

Out: 2.122 $\pm$ 0.058 χ^2 /NDF:3177.0/38

All: 1.943 $\pm$ 0.041 χ^2 /NDF: 4794.3/73

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: -26.069 ± 0.083 χ^2/NDF : 9889.9/19

Right Out: -26.829 ± 0.297 χ^2/NDF : 581.6/18

Left In: -27.193 ± 0.085 χ^2/NDF : 6034.7/17

Left: -26.616 ± 0.059 χ^2/NDF : 16014.2/37

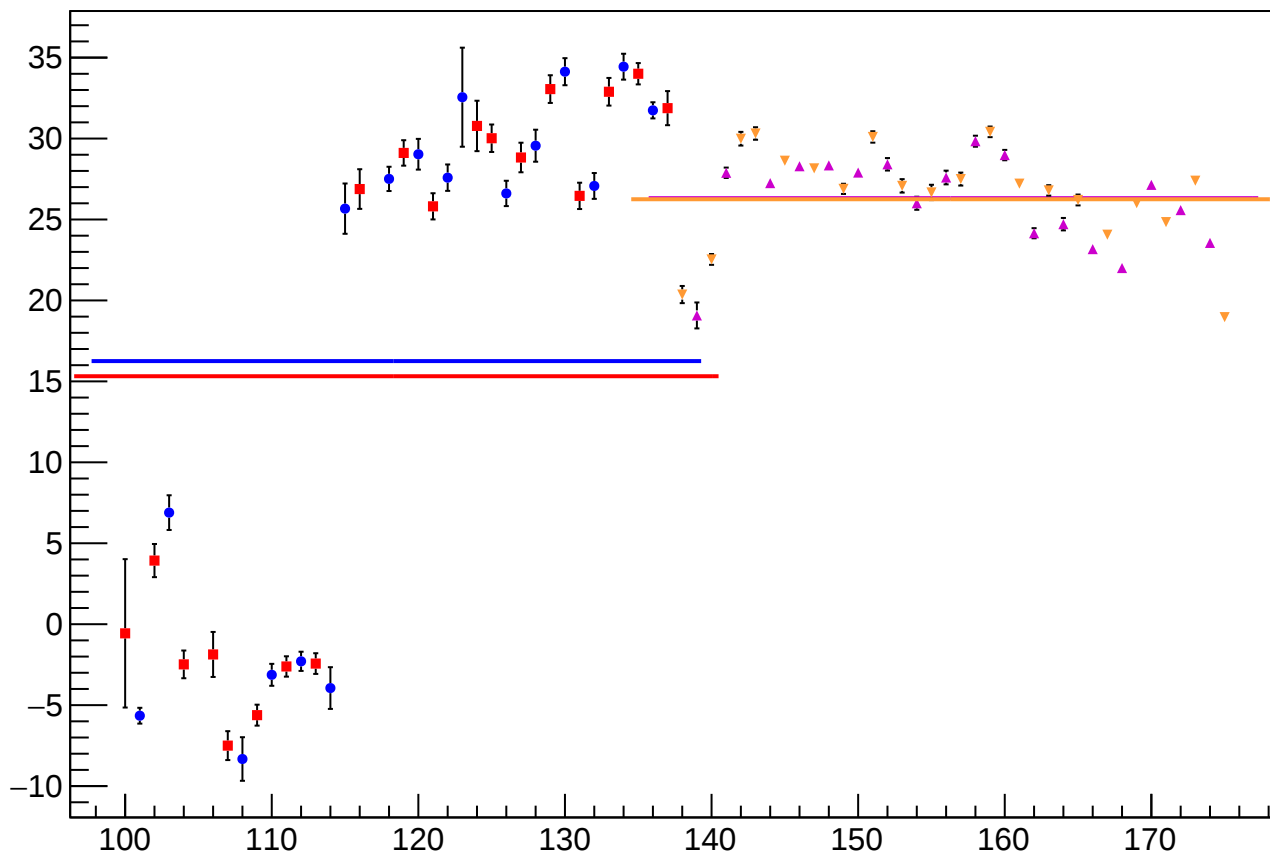
Right: -26.423 ± 0.211 χ^2/NDF : 1278.3/35

In: -27.105 ± 0.082 χ^2/NDF : 6742.0/34

Out: -26.123 ± 0.080 χ^2/NDF : 10477.6/38

All: -26.602 ± 0.057 χ^2/NDF : 17293.3/73

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: 26.250 $\pm$ 0.070 χ^2 /NDF:1836.3/19

Right Out: 15.318 $\pm$ 0.197 χ^2 /NDF: 7280.1/18

Left In: 26.320 $\pm$ 0.072 χ^2 /NDF:1026.0/17

Left: 26.284 $\pm$ 0.050 χ^2 /NDF: 2862.8/37

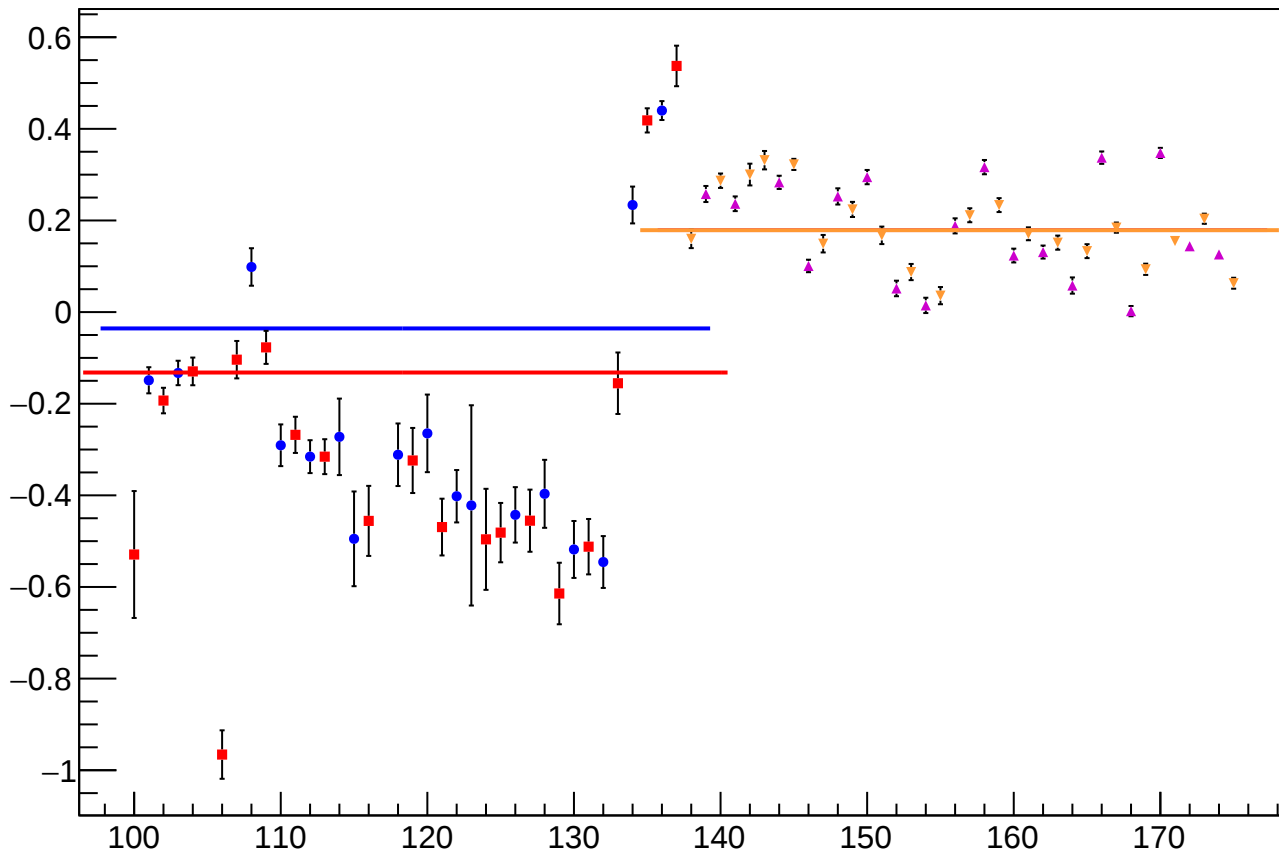
Right: 15.800 $\pm$ 0.137 χ^2 /NDF: 14903.0/35

In: 25.057 $\pm$ 0.068 χ^2 /NDF:11066.1/34

Out: 25.015 $\pm$ 0.066 χ^2 /NDF:11848.2/38

All: 25.035 $\pm$ 0.047 χ^2 /NDF: 22914.4/73

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: 0.179 ± 0.003 χ^2/NDF : 549.1/19

Right Out: -0.132 ± 0.010 χ^2/NDF : 1171.3/18

Left In: 0.179 ± 0.003 χ^2/NDF : 1147.0/17

Left: 0.179 ± 0.002 χ^2/NDF : 1696.1/37

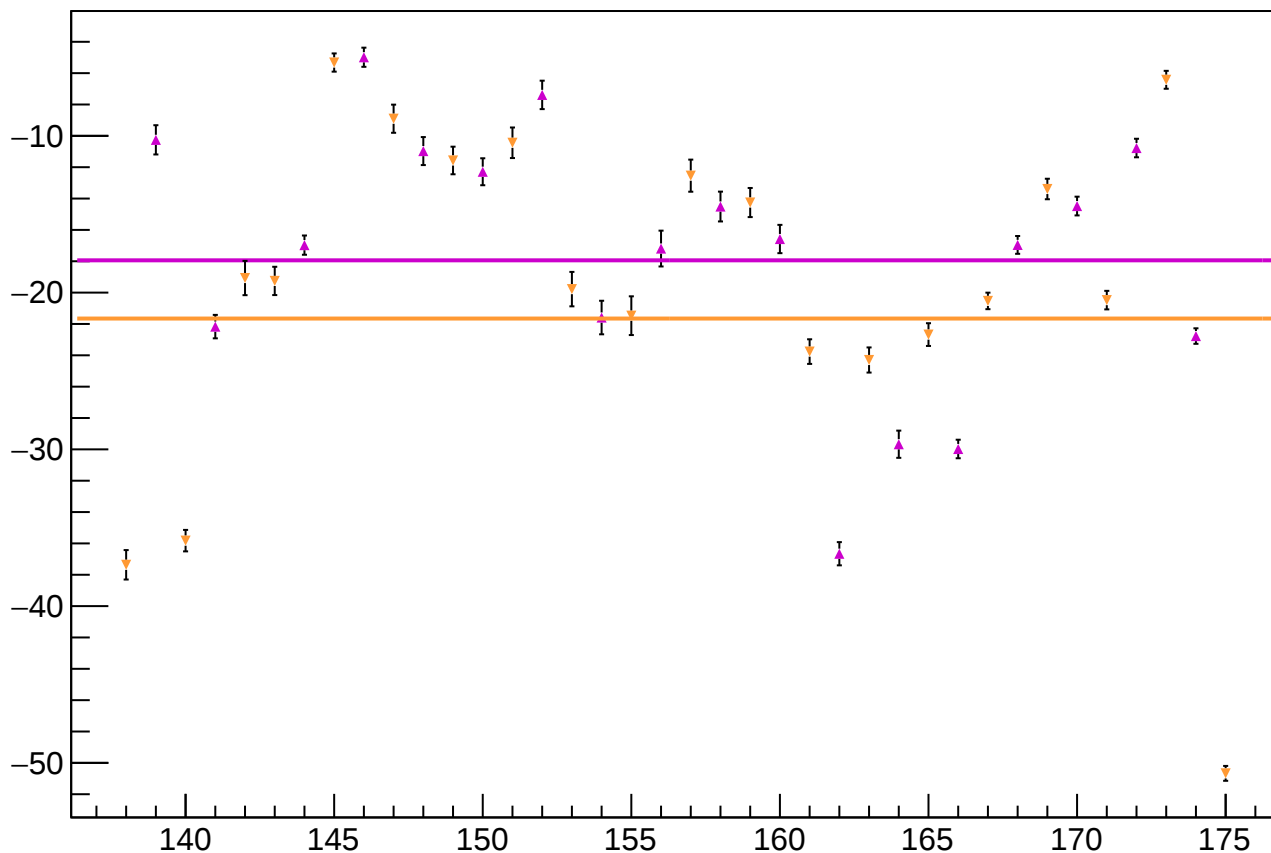
Right: -0.084 ± 0.007 χ^2/NDF : 2229.1/35

In: 0.159 ± 0.003 χ^2/NDF : 2554.7/34

Out: 0.151 ± 0.003 χ^2/NDF : 2538.7/38

All: 0.155 ± 0.002 χ^2/NDF : 5097.0/73

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: -21.655+/-0.165 χ^2 /NDF:6757.2/19

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

Left In: -17.941+/-0.169 χ^2 /NDF:2333.6/17

Left: -19.848+/-0.118 χ^2 /NDF: 9338.1/37

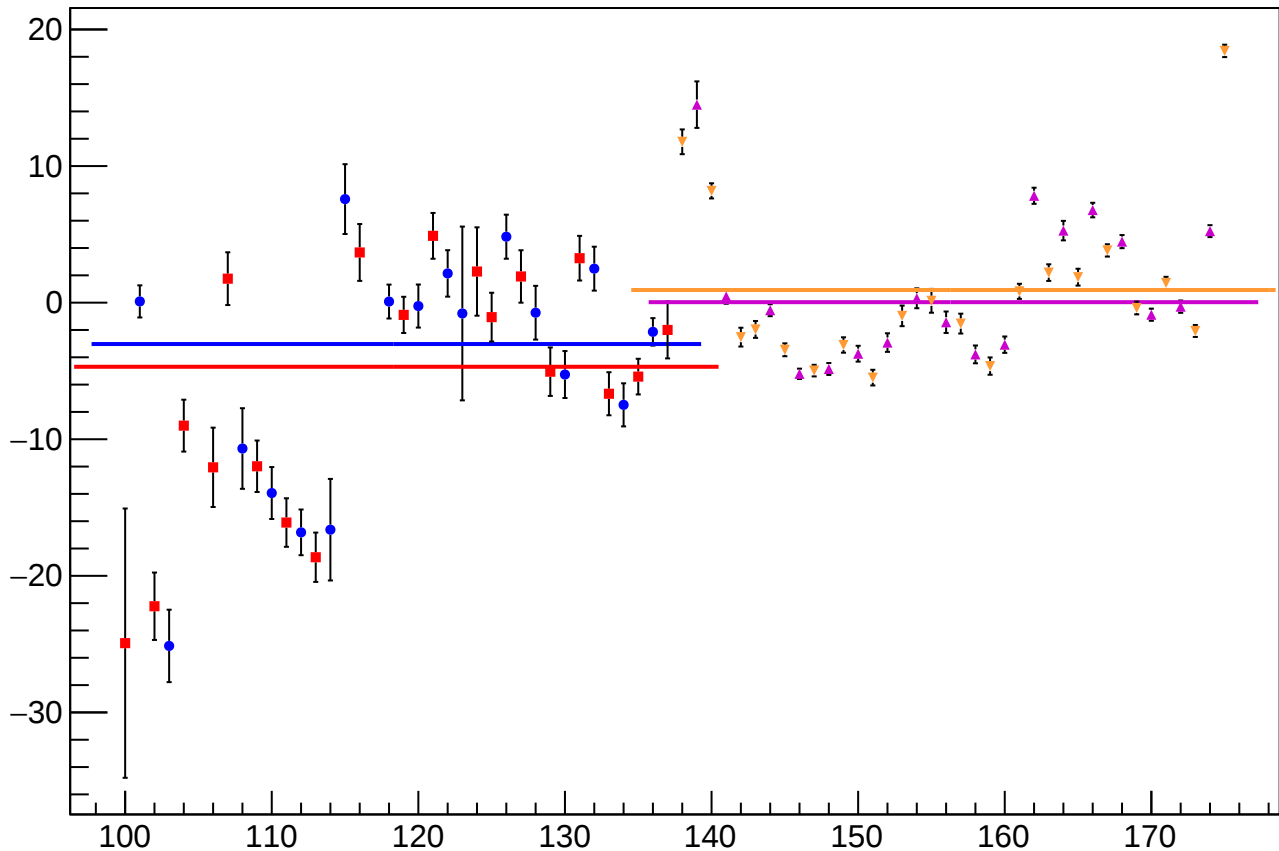
Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

In: -17.941+/-0.169 χ^2 /NDF:2333.6/17

Out: -21.655+/-0.165 χ^2 /NDF:6757.2/19

All: -19.848+/-0.118 χ^2 /NDF: 9338.1/37

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.030 ± 0.408 χ^2/NDF : 280.8/16

Left Out: 0.925 ± 0.123 χ^2/NDF : 2495.2/19

Right Out: -4.694 ± 0.427 χ^2/NDF : 298.3/18

Left In: 0.035 ± 0.126 χ^2/NDF : 1139.5/17

Left: 0.490 ± 0.088 χ^2/NDF : 3660.2/37

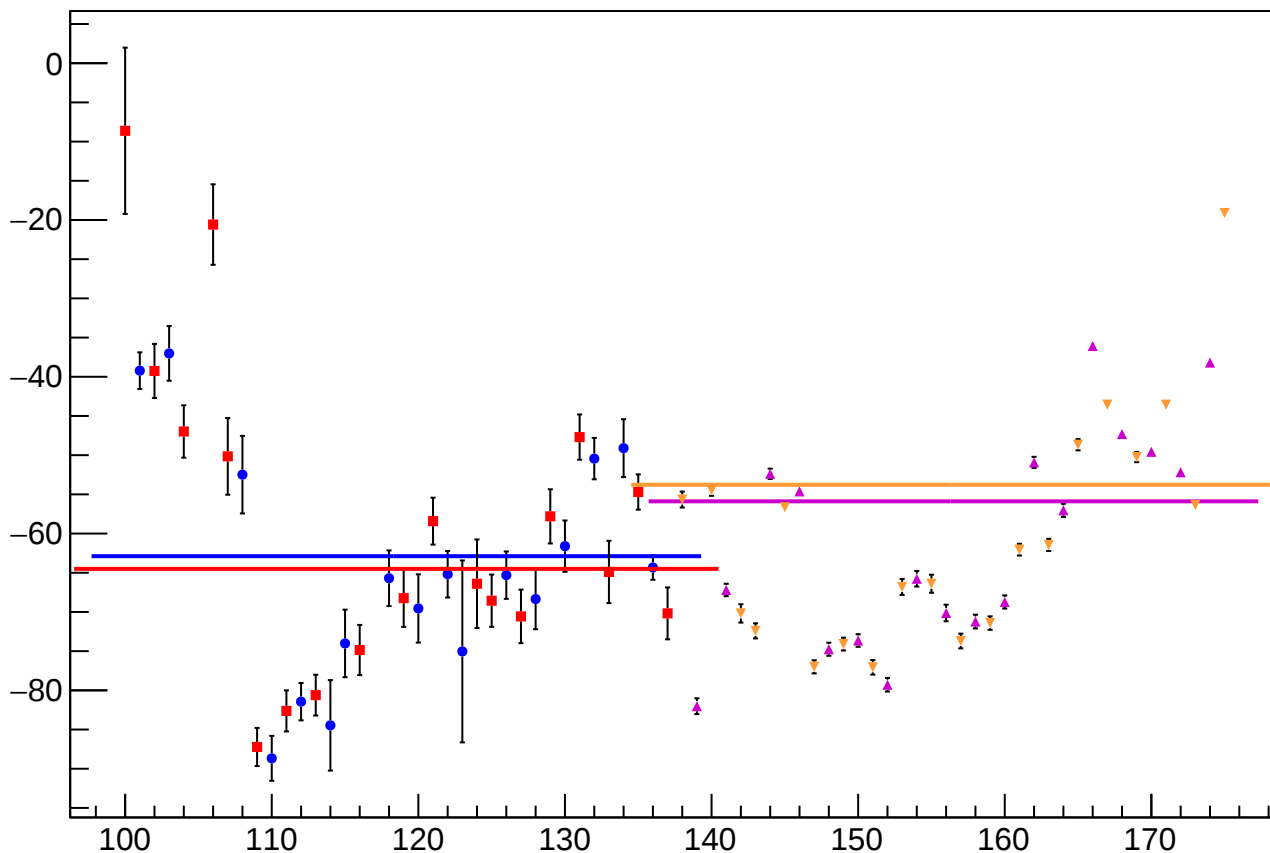
Right: -3.824 ± 0.295 χ^2/NDF : 587.0/35

In: -0.232 ± 0.120 χ^2/NDF : 1472.0/34

Out: 0.493 ± 0.118 χ^2/NDF : 2953.6/38

All: 0.137 ± 0.084 χ^2/NDF : 4444.0/73

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.887 ± 0.738 χ^2/NDF : 368.7/16

Left Out: -53.779 ± 0.165 χ^2/NDF : 10035.6/19

Right Out: -64.502 ± 0.751 χ^2/NDF : 444.1/18

Left In: -55.889 ± 0.169 χ^2/NDF : 6039.9/17

Left: -54.806 ± 0.118 χ^2/NDF : 16155.1/37

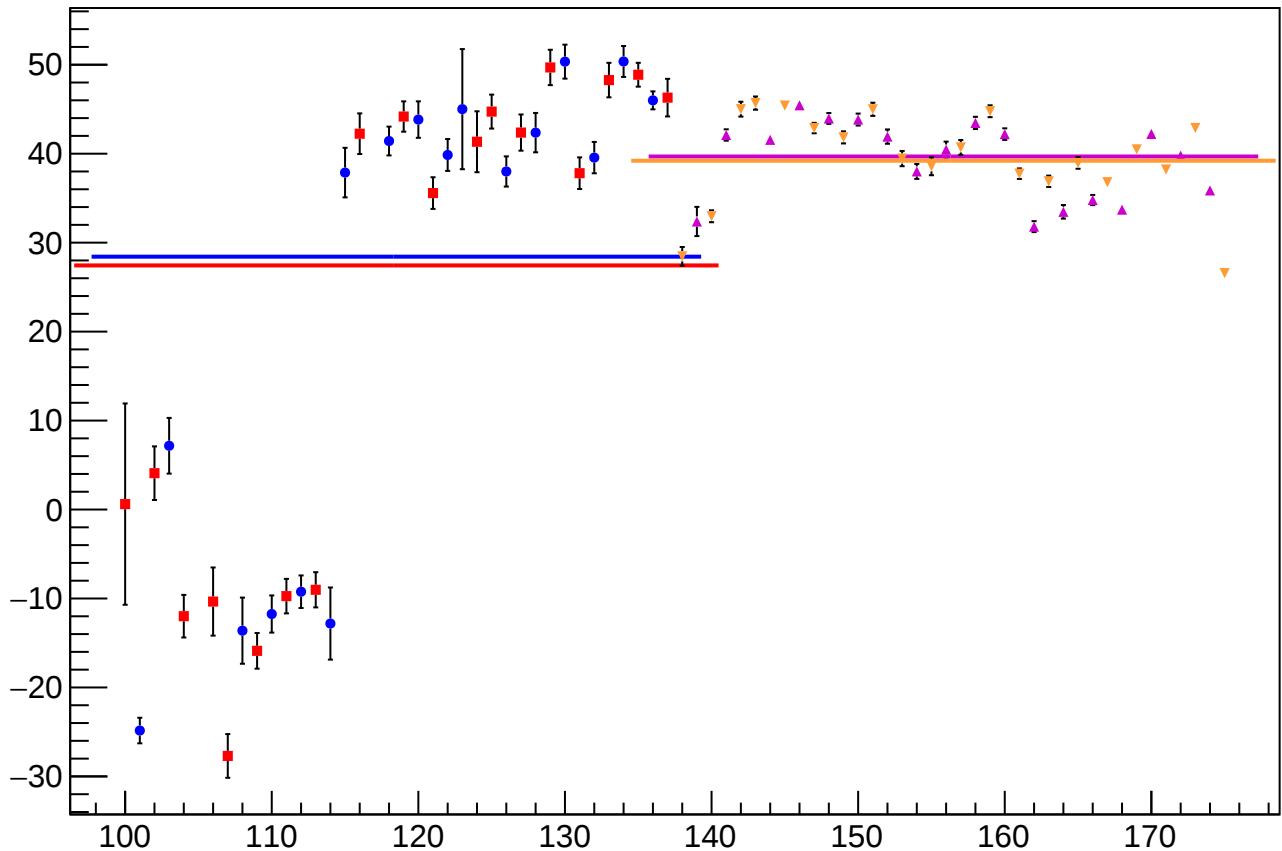
Right: -63.680 ± 0.526 χ^2/NDF : 815.2/35

In: -56.239 ± 0.165 χ^2/NDF : 6494.0/34

Out: -54.272 ± 0.161 χ^2/NDF : 10674.0/38

All: -55.232 ± 0.115 χ^2/NDF : 17240.8/73

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: 39.212 ± 0.140 $\chi^2/\text{NDF}: 1445.4/19$

Right Out: 27.441 ± 0.479 $\chi^2/\text{NDF}: 3033.0/18$

Left In: 39.686 ± 0.144 $\chi^2/\text{NDF}: 852.9/17$

Left: 39.442 ± 0.100 $\chi^2/\text{NDF}: 2303.9/37$

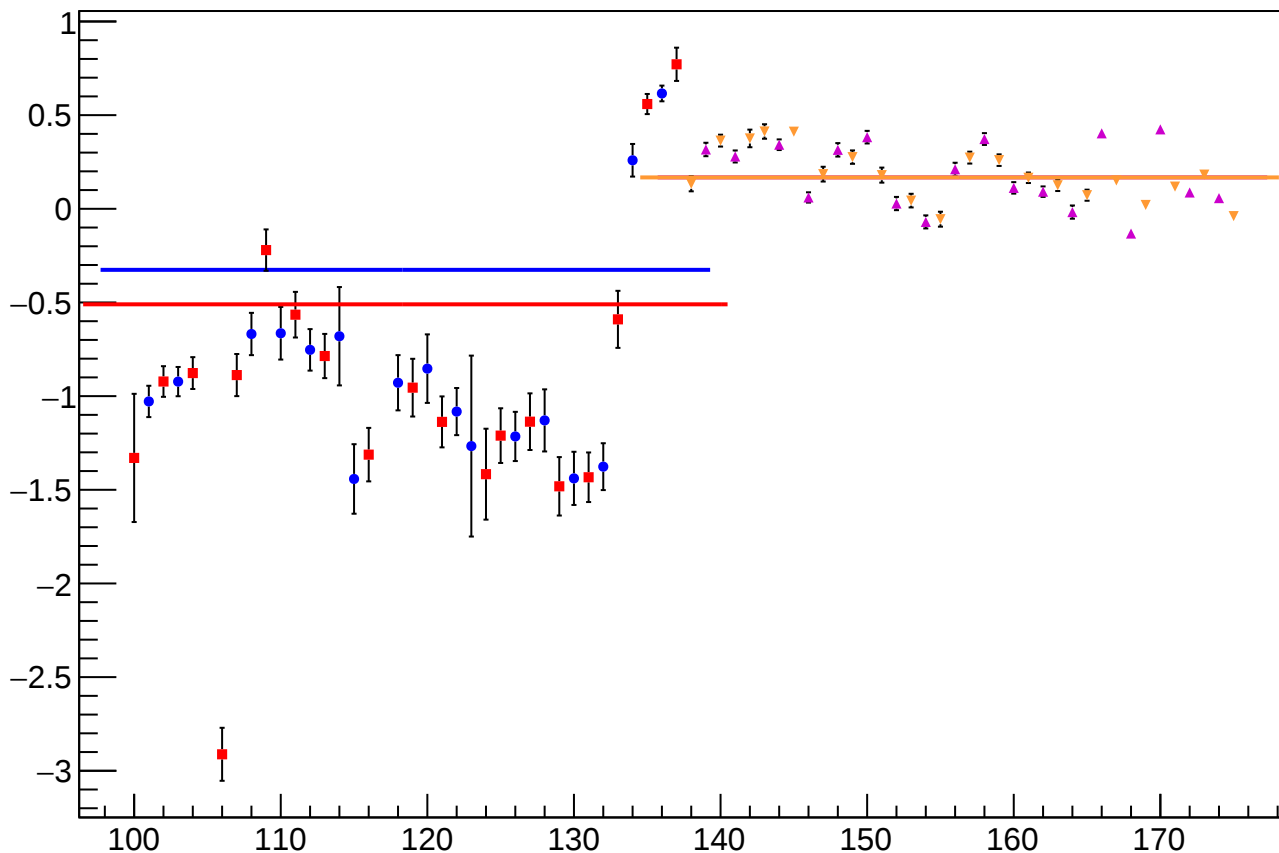
Right: 27.956 ± 0.331 $\chi^2/\text{NDF}: 6365.5/35$

In: 38.669 ± 0.137 $\chi^2/\text{NDF}: 4735.3/34$

Out: 38.283 ± 0.134 $\chi^2/\text{NDF}: 5035.4/38$

All: 38.472 ± 0.096 $\chi^2/\text{NDF}: 9774.8/73$

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.326 ± 0.025 $\chi^2/\text{NDF}: 1013.0/16$

Left Out: 0.168 ± 0.007 $\chi^2/\text{NDF}: 410.7/19$

Right Out: -0.510 ± 0.026 $\chi^2/\text{NDF}: 1169.4/18$

Left In: 0.168 ± 0.007 $\chi^2/\text{NDF}: 735.6/17$

Left: 0.168 ± 0.005 $\chi^2/\text{NDF}: 1146.3/37$

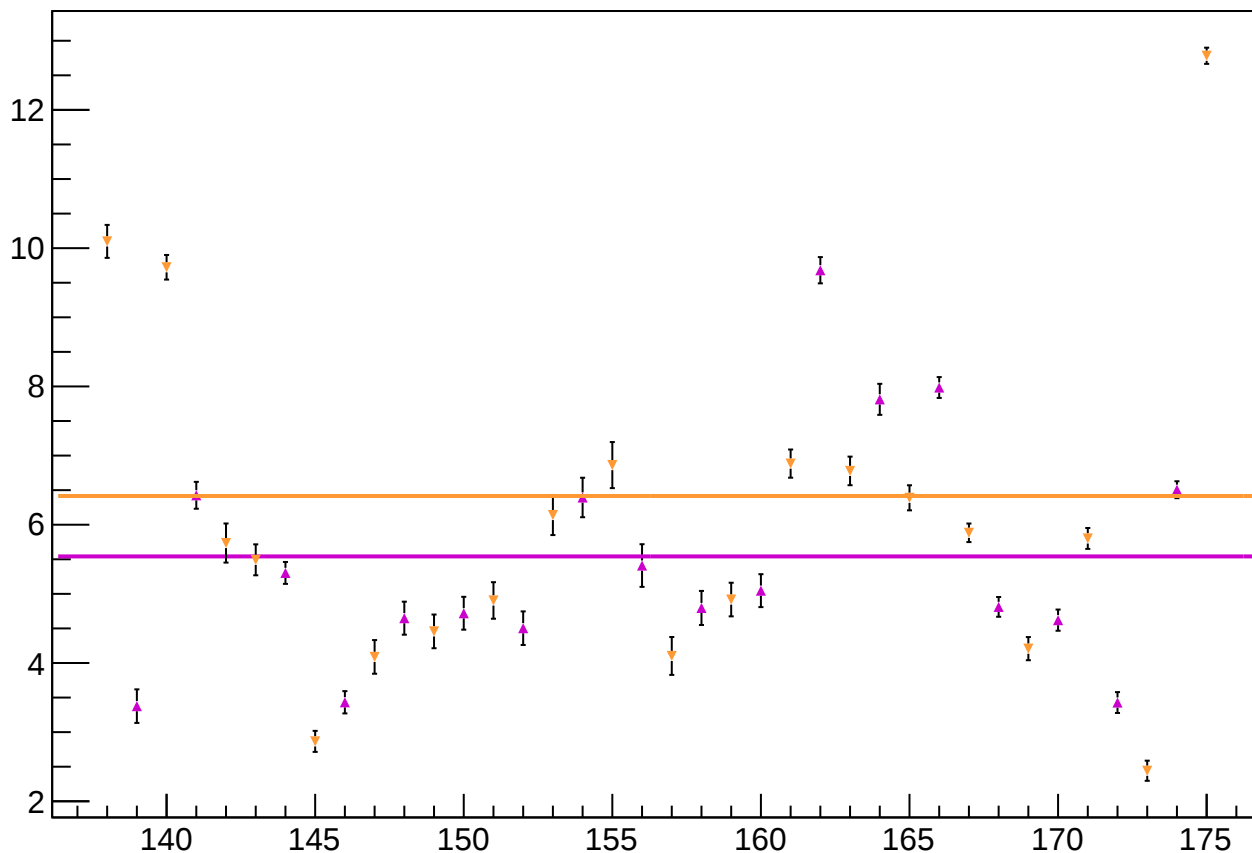
Right: -0.415 ± 0.018 $\chi^2/\text{NDF}: 2208.8/35$

In: 0.135 ± 0.006 $\chi^2/\text{NDF}: 2115.9/34$

Out: 0.127 ± 0.006 $\chi^2/\text{NDF}: 2233.0/38$

All: 0.131 ± 0.004 $\chi^2/\text{NDF}: 4349.8/73$

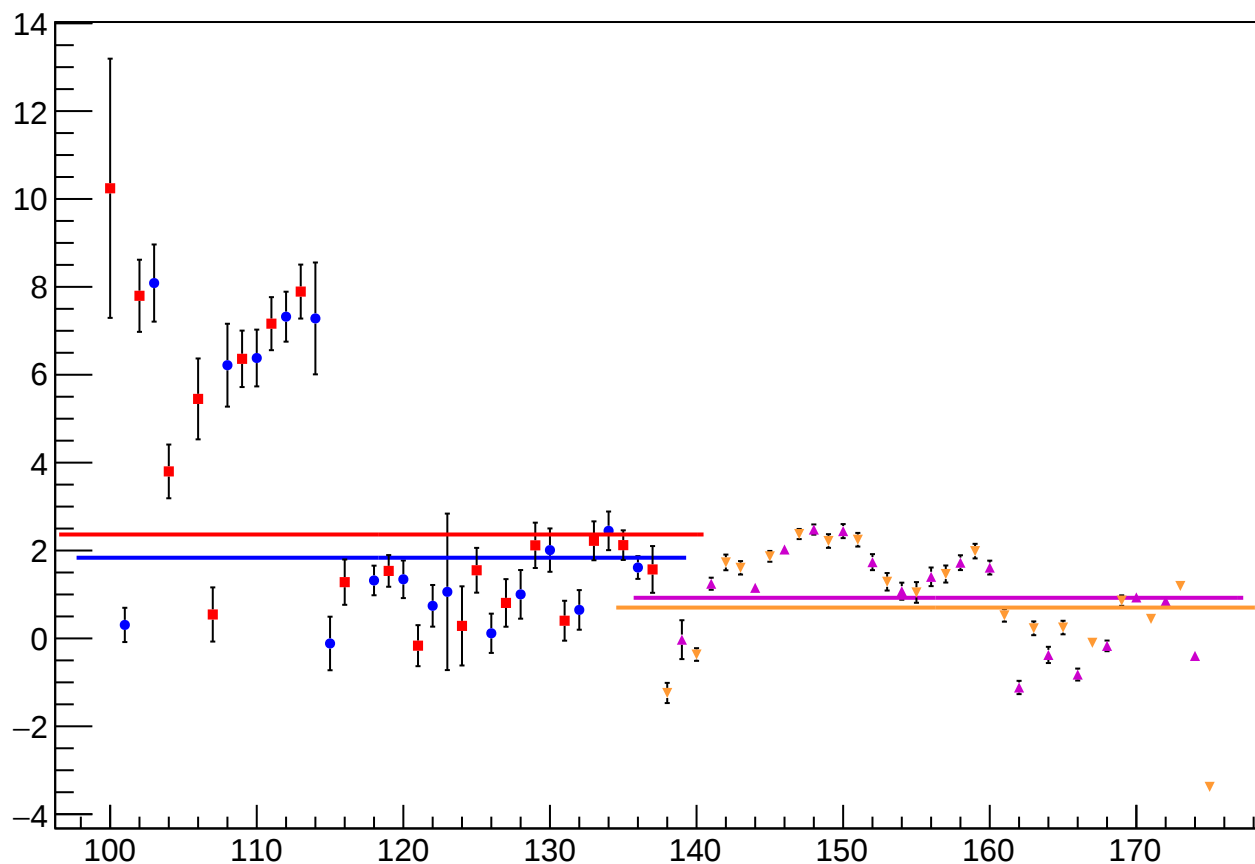
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 6.416 $\pm$ 0.042 χ^2/NDF :5365.9/19
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 5.542 $\pm$ 0.044 χ^2/NDF :1501.3/17

Left: 5.992 $\pm$ 0.030 χ^2/NDF : 7073.4/37
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 5.542 $\pm$ 0.044 χ^2/NDF :1501.3/17
 Out: 6.416 $\pm$ 0.042 χ^2/NDF :5365.9/19
 All: 5.992 $\pm$ 0.030 χ^2/NDF : 7073.4/37

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.836 $\pm$ 0.116 χ^2 /NDF: 294.9/16

Left Out: 0.702 $\pm$ 0.032 χ^2 /NDF:2189.3/19

Right Out: 2.365 $\pm$ 0.123 χ^2 /NDF: 336.4/18

Left In: 0.924 $\pm$ 0.033 χ^2 /NDF:1103.9/17

Left: 0.811 $\pm$ 0.023 χ^2 /NDF: 3317.0/37

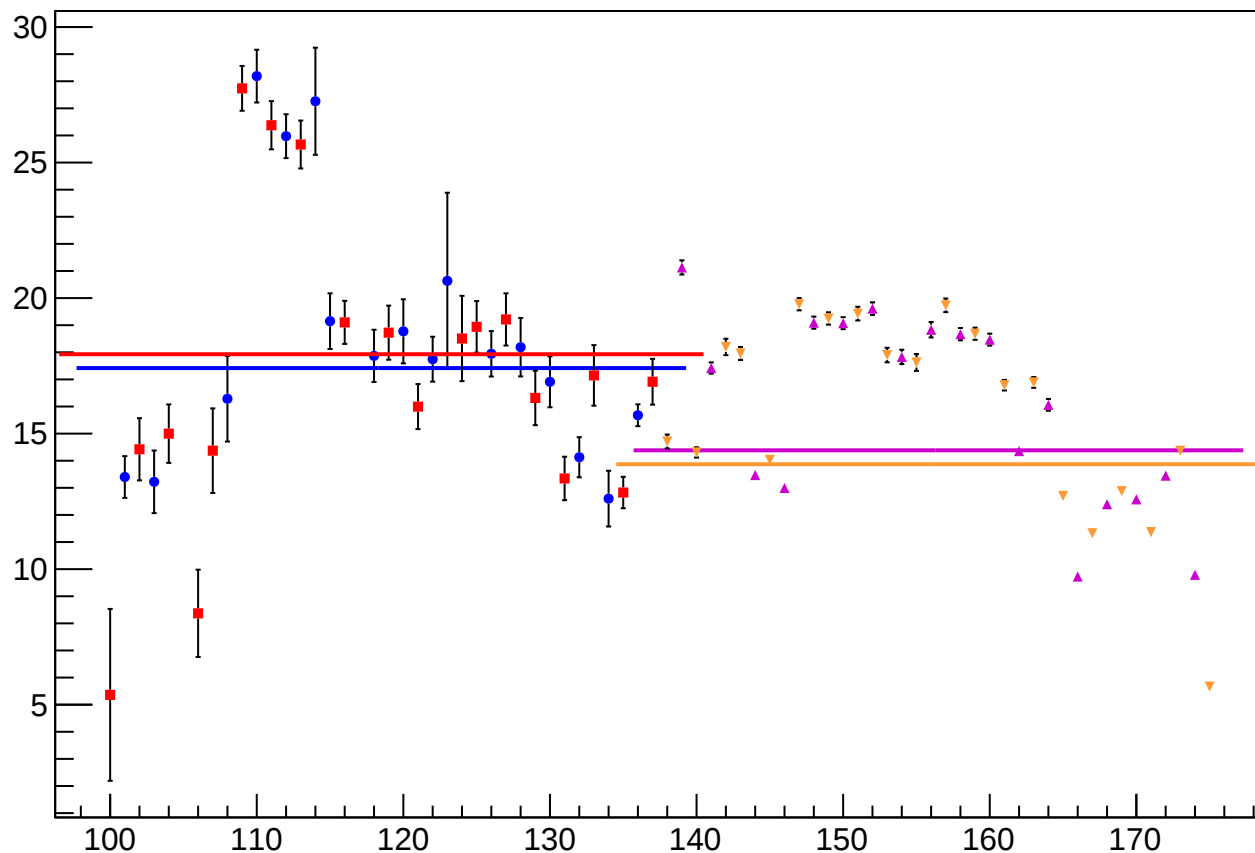
Right: 2.086 $\pm$ 0.084 χ^2 /NDF: 641.1/35

In: 0.991 $\pm$ 0.031 χ^2 /NDF:1456.0/34

Out: 0.807 $\pm$ 0.031 χ^2 /NDF:2698.0/38

All: 0.898 $\pm$ 0.022 χ^2 /NDF: 4171.4/73

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: 13.871 ± 0.043 $\chi^2/\text{NDF} = 9629.6/19$

Right Out: 17.929 ± 0.219 $\chi^2/\text{NDF} = 506.3/18$

Left In: 14.384 ± 0.044 $\chi^2/\text{NDF} = 6025.5/17$

Left: 14.120 ± 0.031 $\chi^2/\text{NDF} = 15725.7/37$

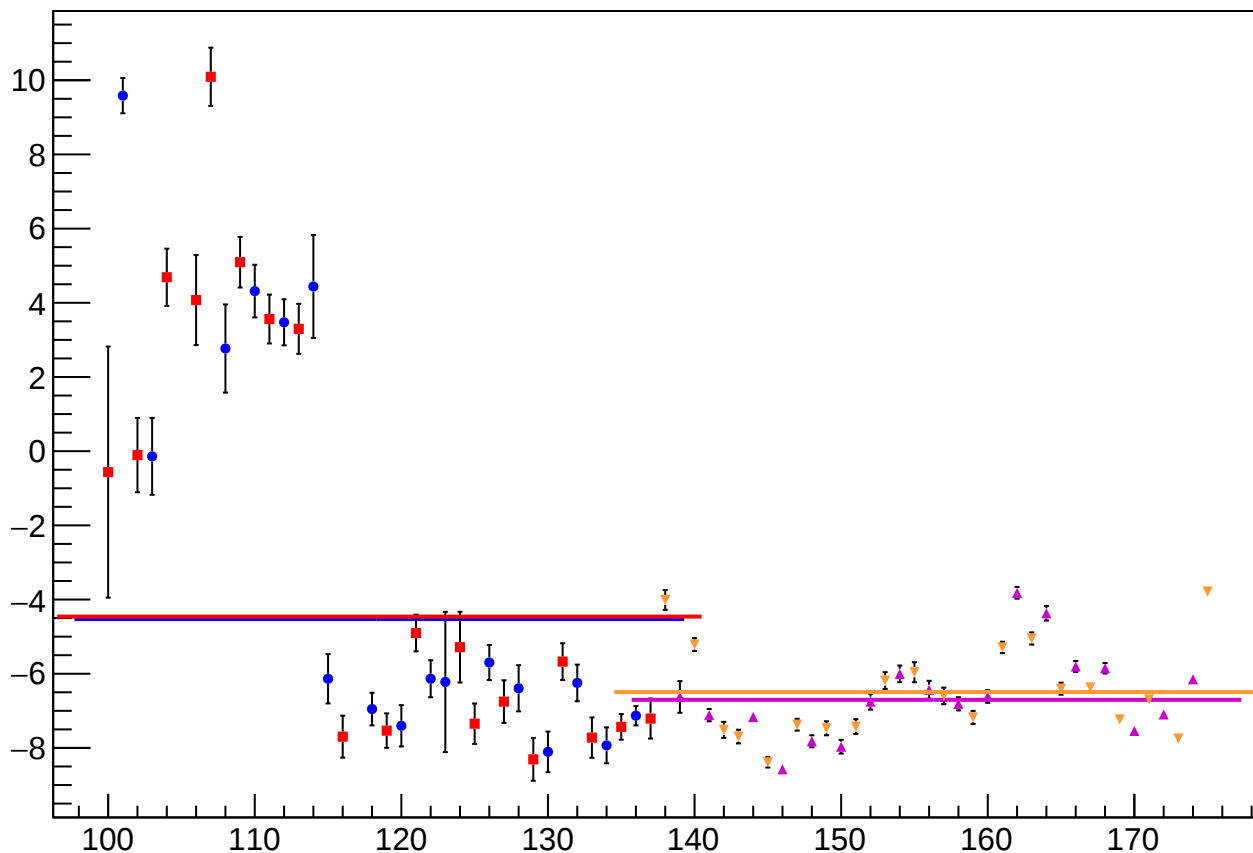
Right: 17.665 ± 0.152 $\chi^2/\text{NDF} = 876.0/35$

In: 14.509 ± 0.043 $\chi^2/\text{NDF} = 6589.3/34$

Out: 14.019 ± 0.042 $\chi^2/\text{NDF} = 10467.1/38$

All: 14.257 ± 0.030 $\chi^2/\text{NDF} = 17123.4/73$

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: -6.493 ± 0.036 $\chi^2/\text{NDF}: 1292.5/19$

Right Out: -4.459 ± 0.137 $\chi^2/\text{NDF}: 1338.9/18$

Left In: -6.703 ± 0.037 $\chi^2/\text{NDF}: 978.8/17$

Left: -6.595 ± 0.026 $\chi^2/\text{NDF}: 2287.6/37$

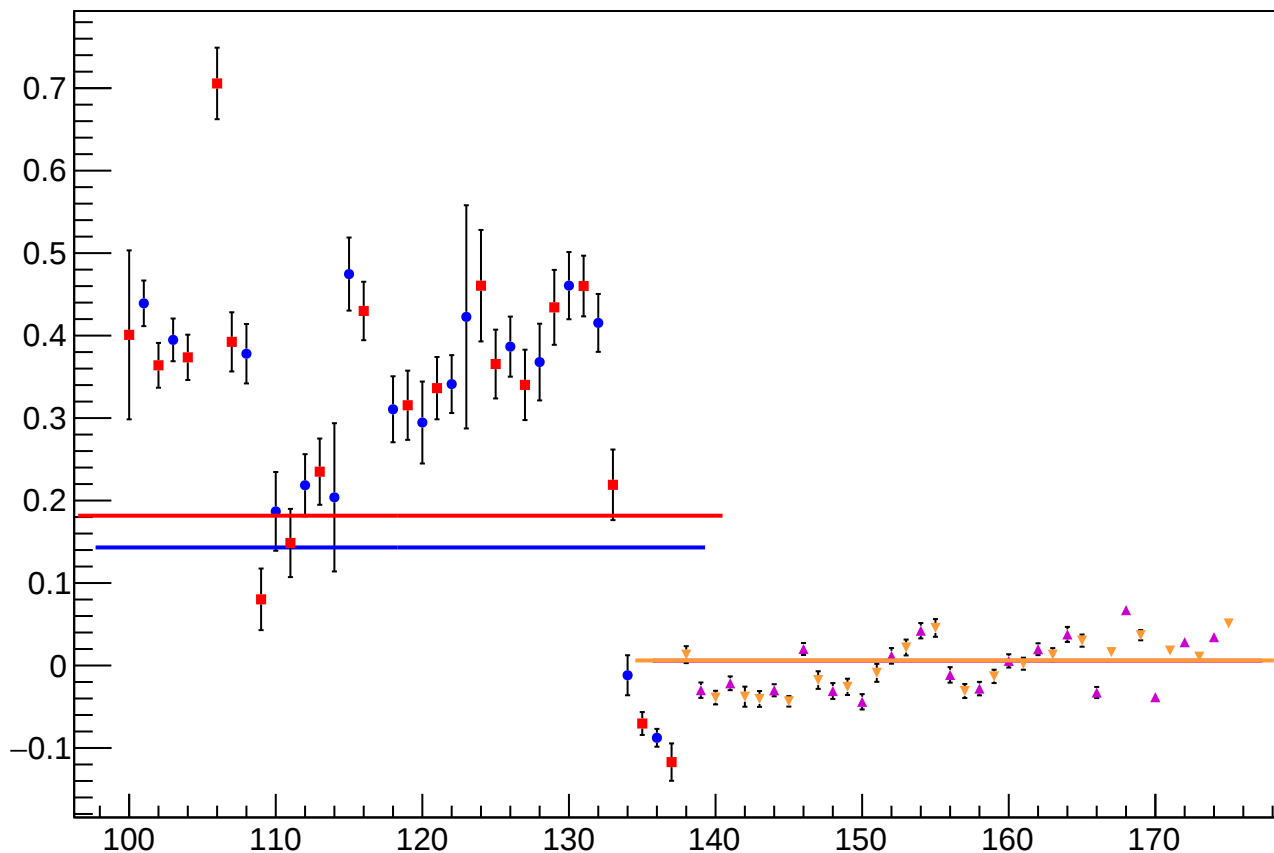
Right: -4.494 ± 0.094 $\chi^2/\text{NDF}: 2929.2/35$

In: -6.537 ± 0.036 $\chi^2/\text{NDF}: 2829.9/34$

Out: -6.361 ± 0.035 $\chi^2/\text{NDF}: 2837.6/38$

All: -6.447 ± 0.025 $\chi^2/\text{NDF}: 5679.9/73$

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: 0.006 $\pm$ 0.002 χ^2 /NDF:294.7/19

Right Out: 0.182 $\pm$ 0.007 χ^2 /NDF: 1007.8/18

Left In: 0.006 $\pm$ 0.002 χ^2 /NDF:419.1/17

Left: 0.006 $\pm$ 0.001 χ^2 /NDF: 713.8/37

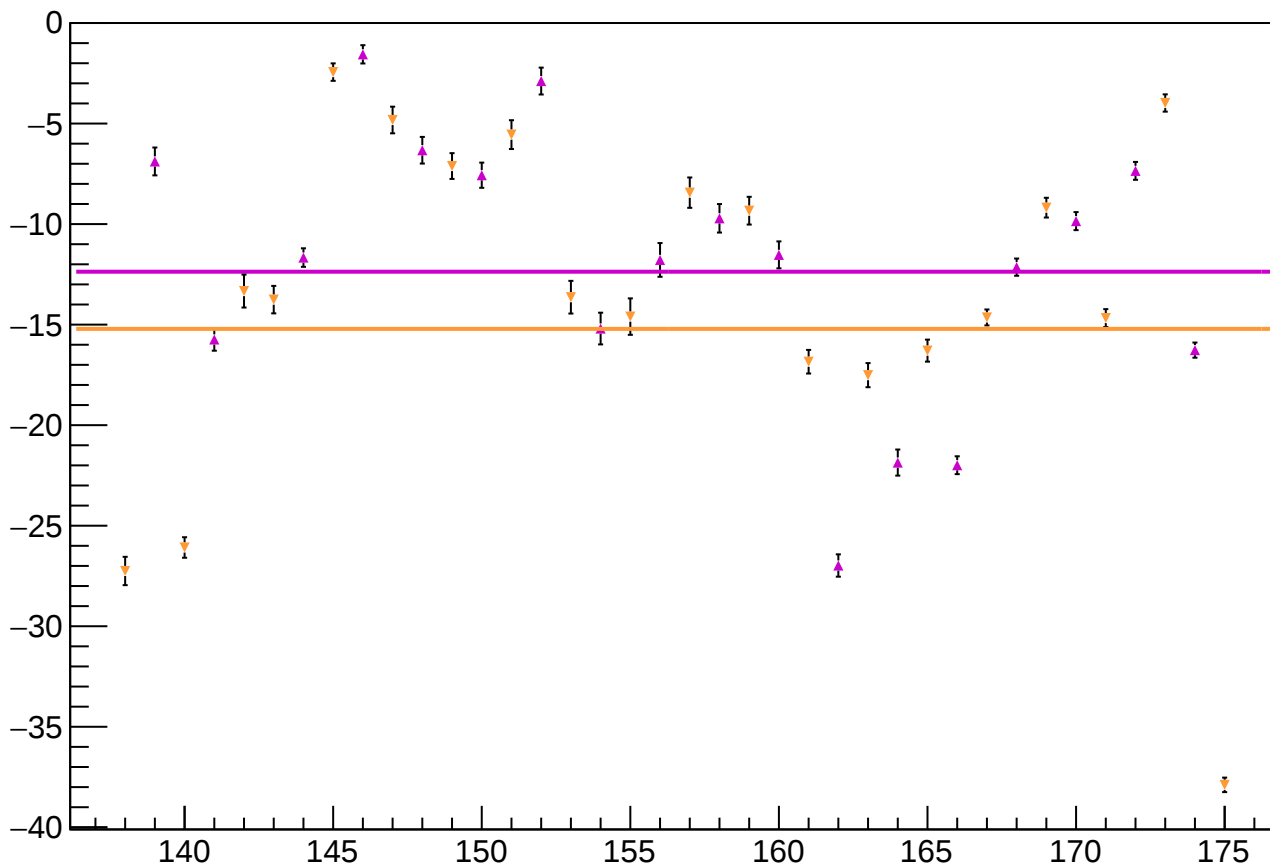
Right: 0.161 $\pm$ 0.005 χ^2 /NDF: 2082.4/35

In: 0.013 $\pm$ 0.002 χ^2 /NDF:1837.6/34

Out: 0.015 $\pm$ 0.002 χ^2 /NDF:1839.3/38

All: 0.014 $\pm$ 0.001 χ^2 /NDF: 3677.2/73

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -15.211+/-0.123 χ^2/NDF : 7185.3/19

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

Left In: -12.368+/-0.127 χ^2/NDF : 2678.9/17

Left: -13.827+/-0.088 χ^2/NDF : 10122.8/37

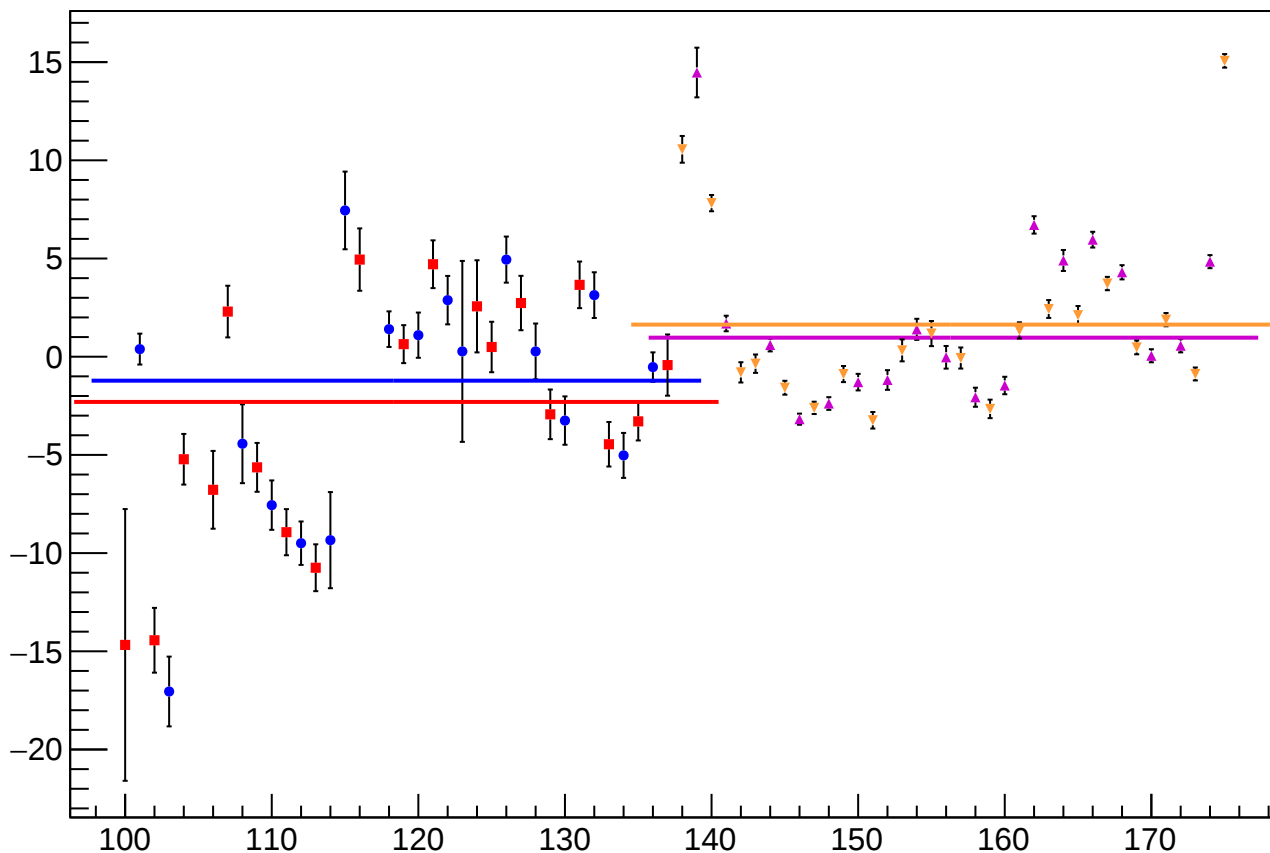
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -12.368+/-0.127 χ^2/NDF : 2678.9/17

Out: -15.211+/-0.123 χ^2/NDF : 7185.3/19

All: -13.827+/-0.088 χ^2/NDF : 10122.8/37

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Left: 1.310 ± 0.066 $\chi^2/\text{NDF}: 3783.4/37$

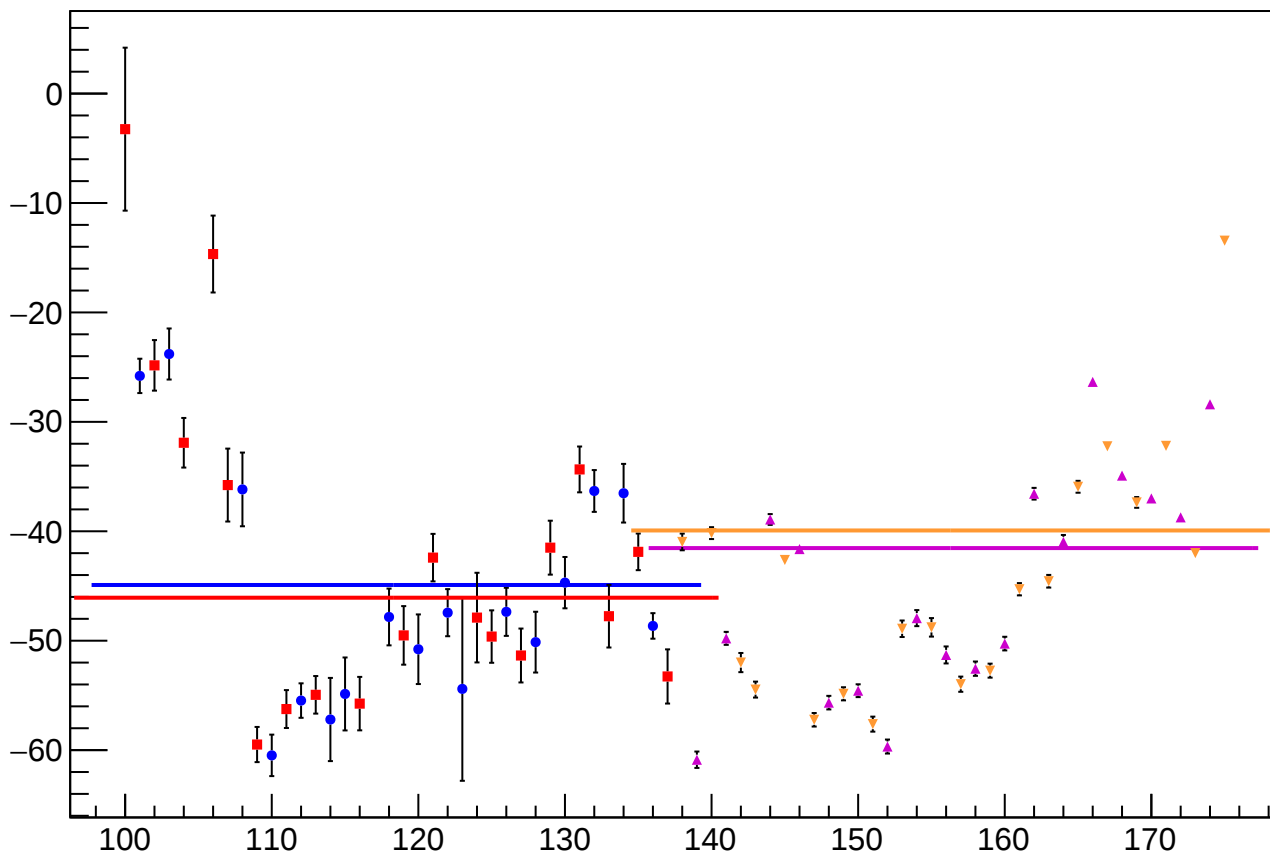
Right: -1.738 ± 0.209 $\chi^2/\text{NDF}: 571.5/35$

In: 0.761 ± 0.090 $\chi^2/\text{NDF}: 1497.2/34$

Out: 1.301 ± 0.088 $\chi^2/\text{NDF}: 3032.2/38$

All: 1.035 ± 0.063 $\chi^2/\text{NDF}: 4547.9/73$

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: -39.925 ± 0.123 χ^2/NDF : 10048.1/19

Right Out: -46.071 ± 0.528 χ^2/NDF : 454.0/18

Left In: -41.536 ± 0.127 χ^2/NDF : 6038.6/17

Left: -40.710 ± 0.088 χ^2/NDF : 16169.6/37

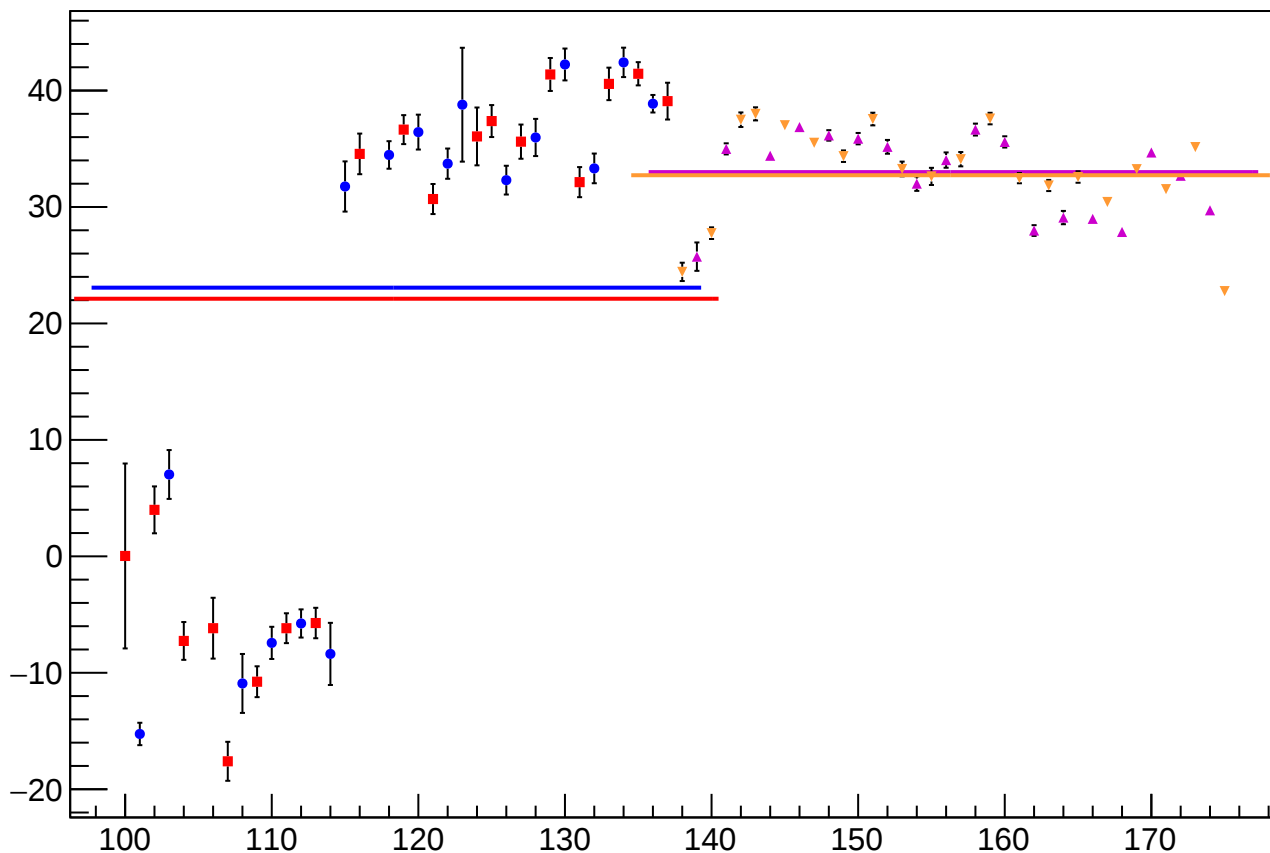
Right: -45.483 ± 0.371 χ^2/NDF : 877.6/35

In: -41.723 ± 0.123 χ^2/NDF : 6499.1/34

Out: -40.244 ± 0.120 χ^2/NDF : 10630.4/38

All: -40.966 ± 0.086 χ^2/NDF : 17203.4/73

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: 32.727 $\pm$ 0.105 χ^2 /NDF:1549.9/19

Right Out: 22.122 $\pm$ 0.340 χ^2 /NDF: 4034.4/18

Left In: 32.996 $\pm$ 0.108 χ^2 /NDF:875.7/17

Left: 32.858 $\pm$ 0.075 χ^2 /NDF: 2428.8/37

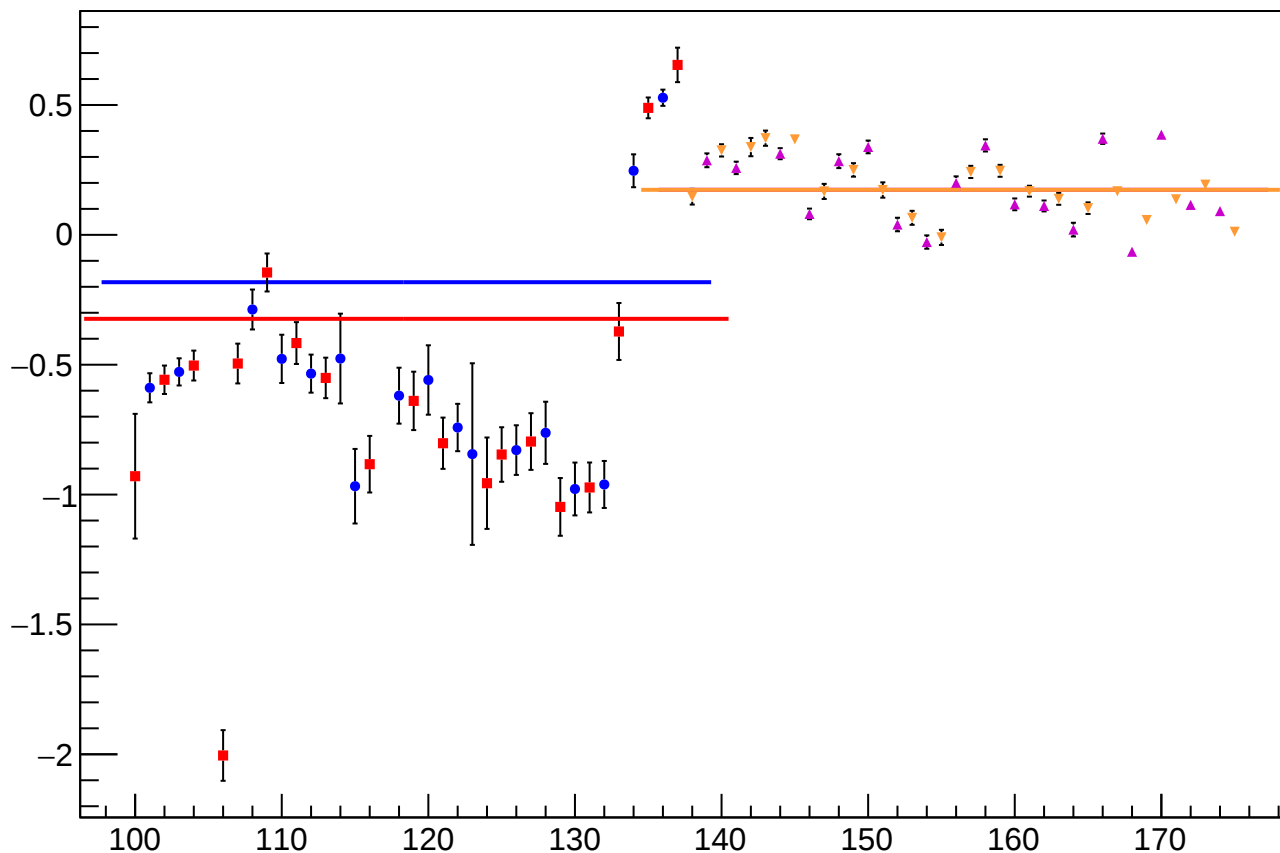
Right: 22.617 $\pm$ 0.235 χ^2 /NDF: 8384.4/35

In: 32.019 $\pm$ 0.102 χ^2 /NDF:6056.9/34

Out: 31.807 $\pm$ 0.100 χ^2 /NDF:6473.4/38

All: 31.911 $\pm$ 0.072 χ^2 /NDF: 12532.6/73

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: 0.173 ± 0.005 χ^2/NDF : 455.4/19

Right Out: -0.323 ± 0.018 χ^2/NDF : 1184.5/18

Left In: 0.174 ± 0.005 χ^2/NDF : 865.3/17

Left: 0.173 ± 0.003 χ^2/NDF : 1320.7/37

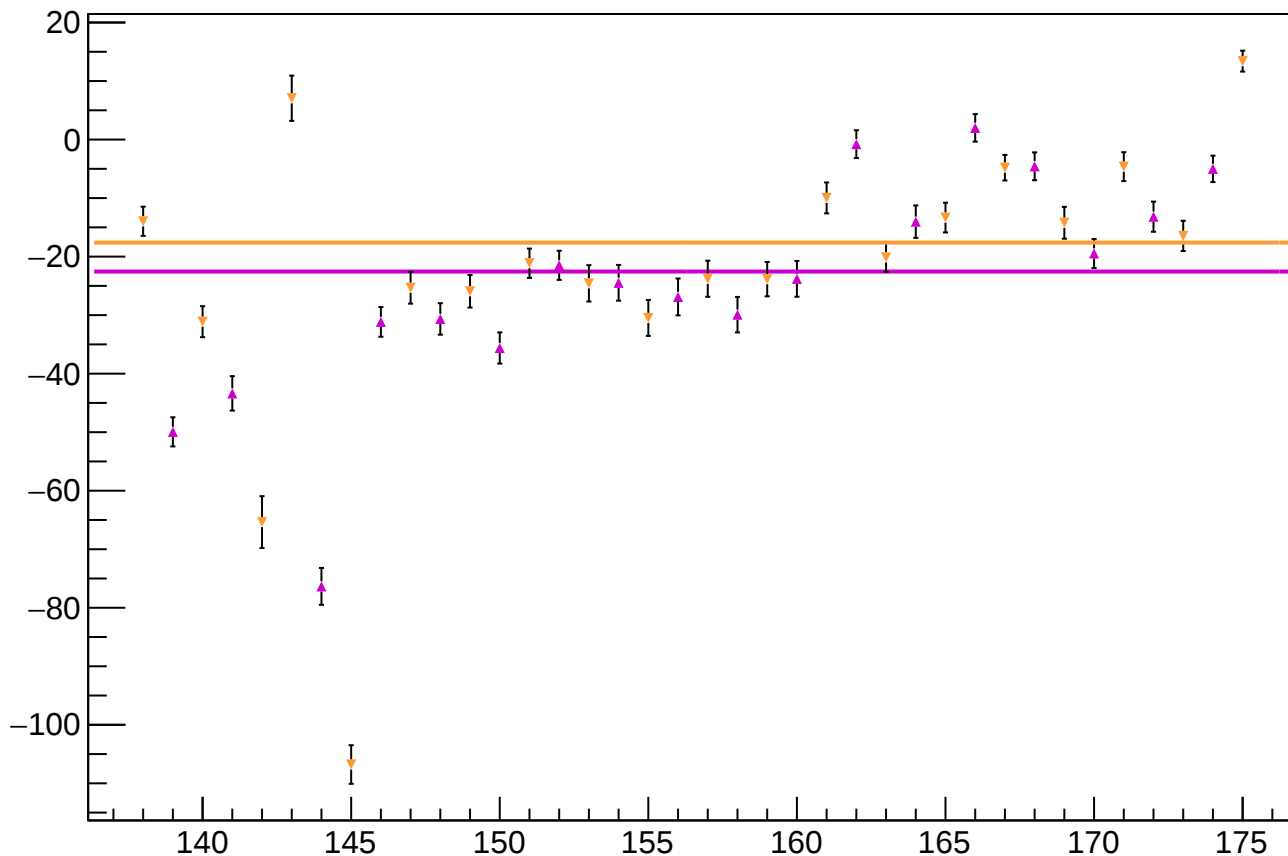
Right: -0.251 ± 0.013 χ^2/NDF : 2213.4/35

In: 0.148 ± 0.005 χ^2/NDF : 2237.3/34

Out: 0.140 ± 0.005 χ^2/NDF : 2337.6/38

All: 0.144 ± 0.003 χ^2/NDF : 4576.3/73

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -17.604 ± 0.597 χ^2/NDF : 1343.9/19

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -22.550 ± 0.624 χ^2/NDF : 849.8/17

Left: -19.970 ± 0.431 χ^2/NDF : 2226.5/37

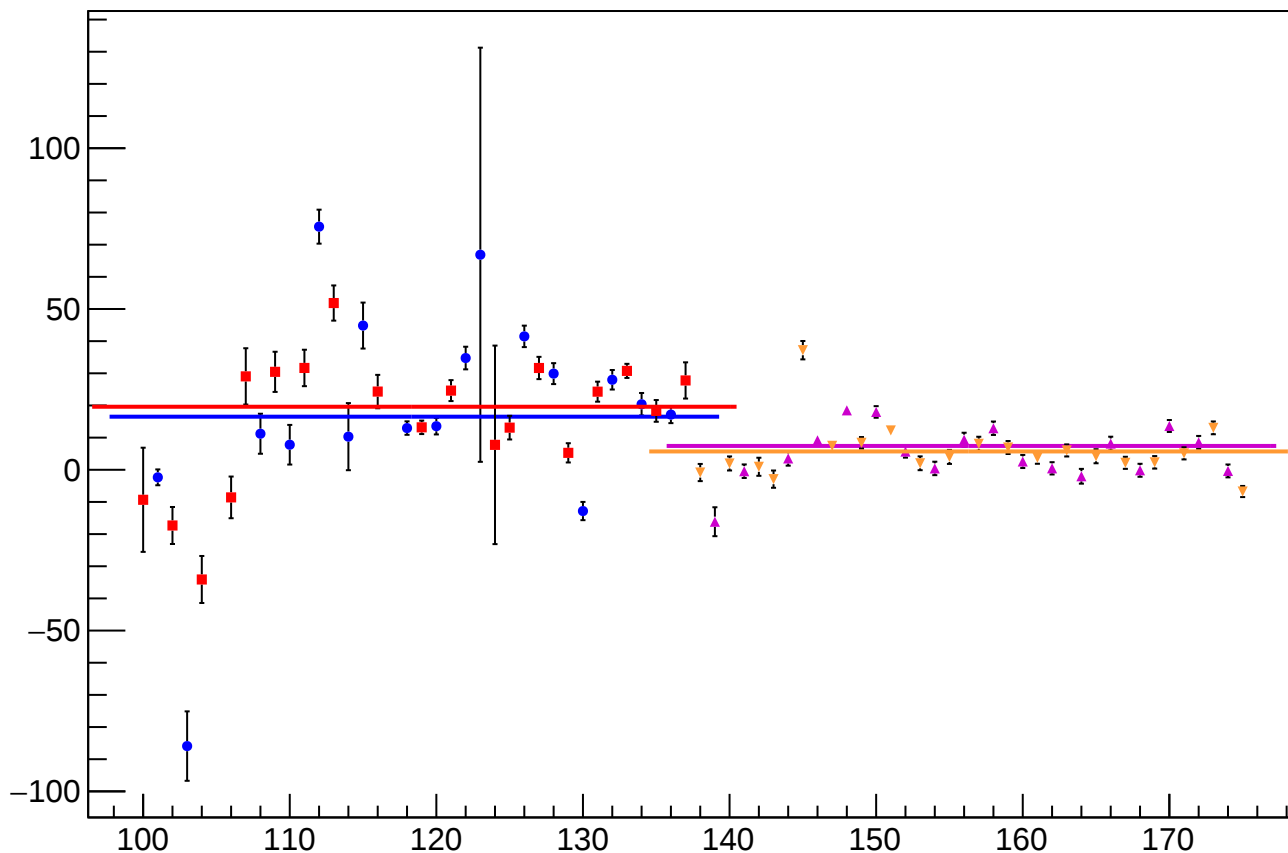
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -22.550 ± 0.624 χ^2/NDF : 849.8/17

Out: -17.604 ± 0.597 χ^2/NDF : 1343.9/19

All: -19.970 ± 0.431 χ^2/NDF : 2226.5/37

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.512 $\pm$ 0.847 χ^2 /NDF: 519.6/16

Left Out: 5.703 $\pm$ 0.438 χ^2 /NDF: 247.6/19

Right Out: 19.604 $\pm$ 0.898 χ^2 /NDF: 242.0/18

Left In: 7.417 $\pm$ 0.460 χ^2 /NDF: 247.9/17

Left: 6.518 $\pm$ 0.317 χ^2 /NDF: 502.8/37

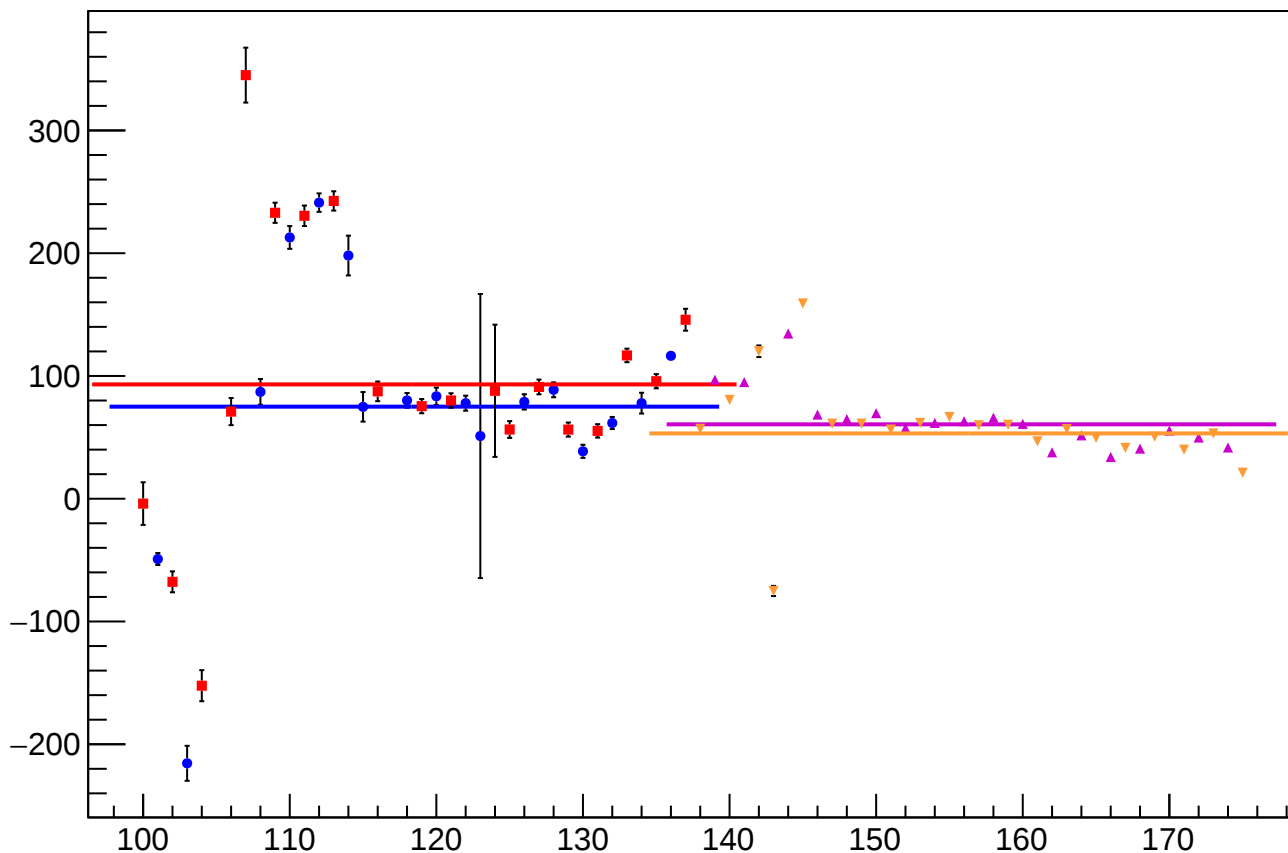
Right: 17.968 $\pm$ 0.616 χ^2 /NDF: 767.9/35

In: 9.485 $\pm$ 0.404 χ^2 /NDF: 856.6/34

Out: 8.370 $\pm$ 0.394 χ^2 /NDF: 683.0/38

All: 8.913 $\pm$ 0.282 χ^2 /NDF: 1543.5/73

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 75.009+/-1.636 χ^2/NDF : 1999.3/16

Left Out: 53.201+/-0.590 χ^2/NDF : 2672.0/19

Right Out: 93.140+/-1.711 χ^2/NDF : 2002.3/18

Left In: 60.605+/-0.616 χ^2/NDF : 1199.4/17

Left: 56.744+/-0.426 χ^2/NDF : 3946.6/37

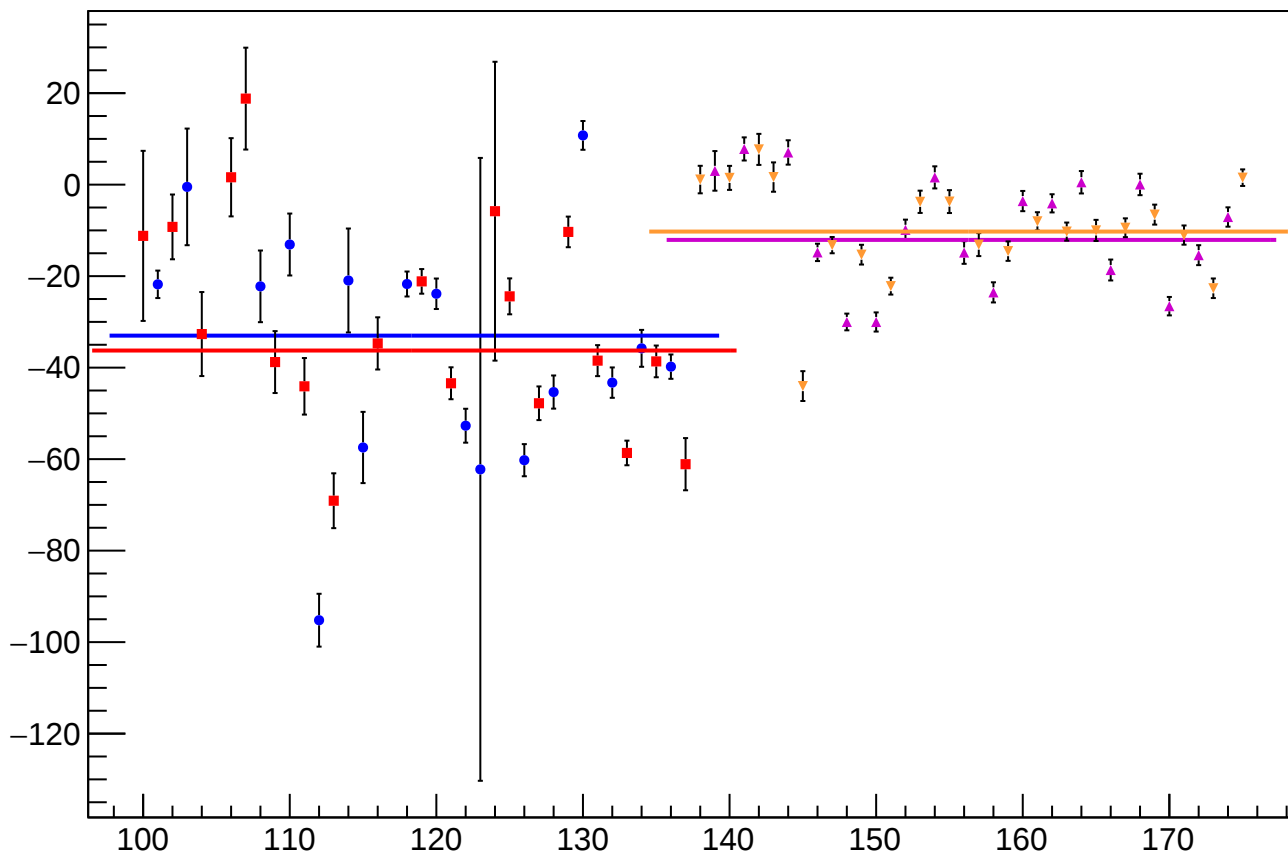
Right: 83.668+/-1.183 χ^2/NDF : 4060.3/35

In: 62.396+/-0.577 χ^2/NDF : 3266.6/34

Out: 57.451+/-0.558 χ^2/NDF : 5161.1/38

All: 59.842+/-0.401 χ^2/NDF : 8465.7/73

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: -10.256 ± 0.503 $\chi^2/\text{NDF}: 333.1/19$

Right Out: -36.260 ± 1.025 $\chi^2/\text{NDF}: 297.1/18$

Left In: -12.079 ± 0.529 $\chi^2/\text{NDF}: 510.9/17$

Left: -11.121 ± 0.364 $\chi^2/\text{NDF}: 850.2/37$

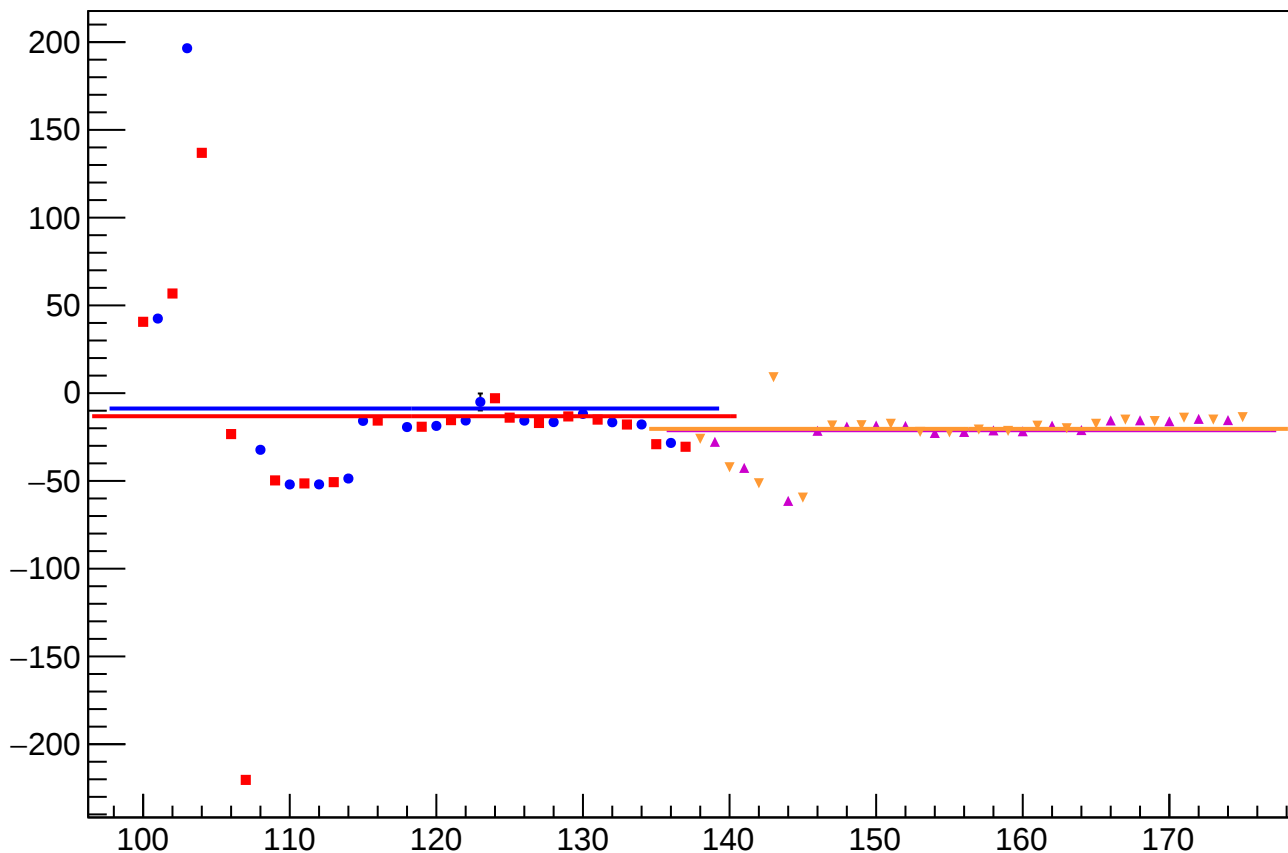
Right: -34.545 ± 0.705 $\chi^2/\text{NDF}: 795.4/35$

In: -16.858 ± 0.464 $\chi^2/\text{NDF}: 1361.8/34$

Out: -15.293 ± 0.451 $\chi^2/\text{NDF}: 1148.8/38$

All: -16.053 ± 0.324 $\chi^2/\text{NDF}: 2516.4/73$

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -8.751 ± 0.059 $\chi^2/\text{NDF}: 576012.4/16$

Left Out: -20.344 ± 0.023 $\chi^2/\text{NDF}: 199609.6/19$

Right Out: -13.143 ± 0.062 $\chi^2/\text{NDF}: 558628.0/18$

Left In: -21.114 ± 0.024 $\chi^2/\text{NDF}: 129733.7/17$

Left: -20.721 ± 0.017 $\chi^2/\text{NDF}: 329875.0/37$

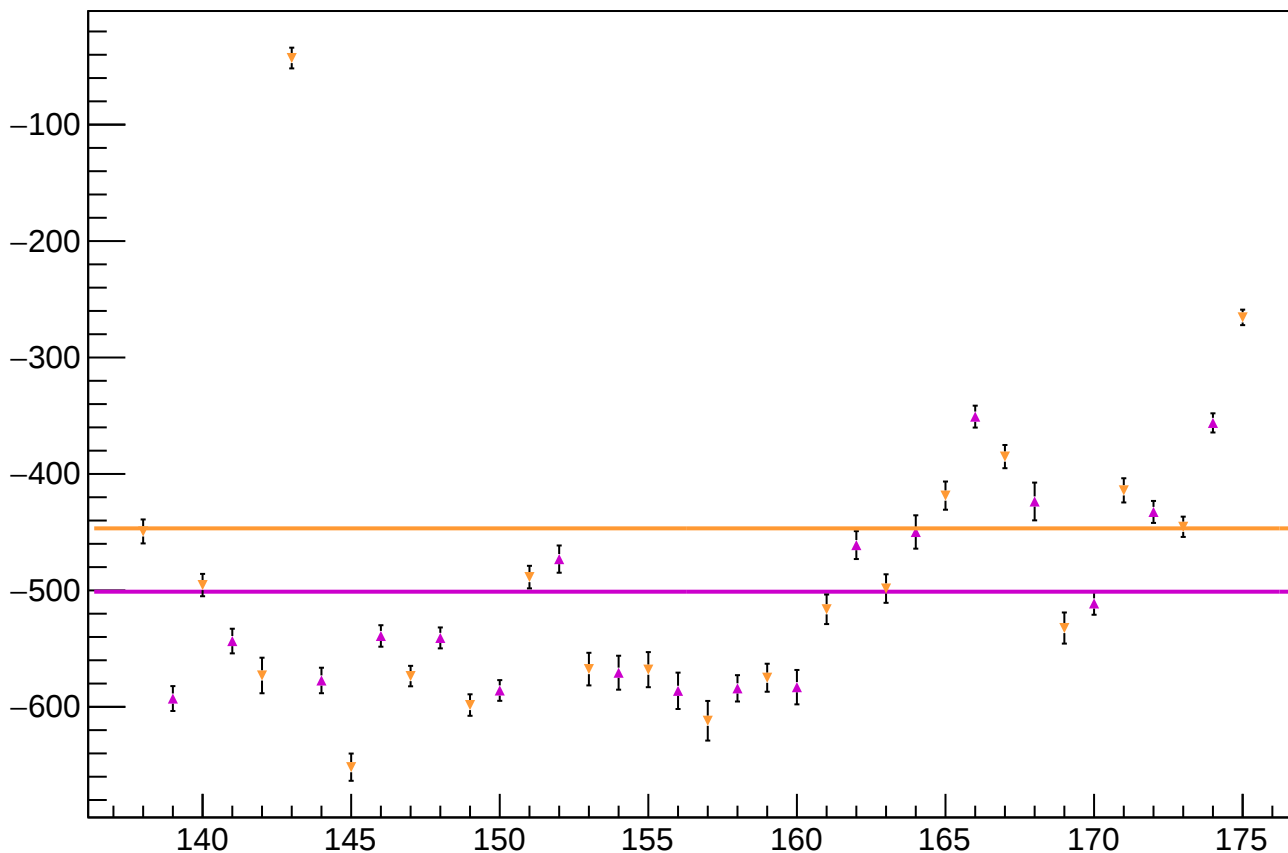
Right: -10.840 ± 0.043 $\chi^2/\text{NDF}: 1137294.9/35$

In: -19.366 ± 0.022 $\chi^2/\text{NDF}: 743695.5/34$

Out: -19.443 ± 0.022 $\chi^2/\text{NDF}: 770142.1/38$

All: -19.405 ± 0.016 $\chi^2/\text{NDF}: 1513843.7/73$

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -446.722 ± 2.356 χ^2/NDF : 4190.4/19

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -501.111 ± 2.541 χ^2/NDF : 1074.9/17

Left: -471.864 ± 1.728 χ^2/NDF : 5511.6/37

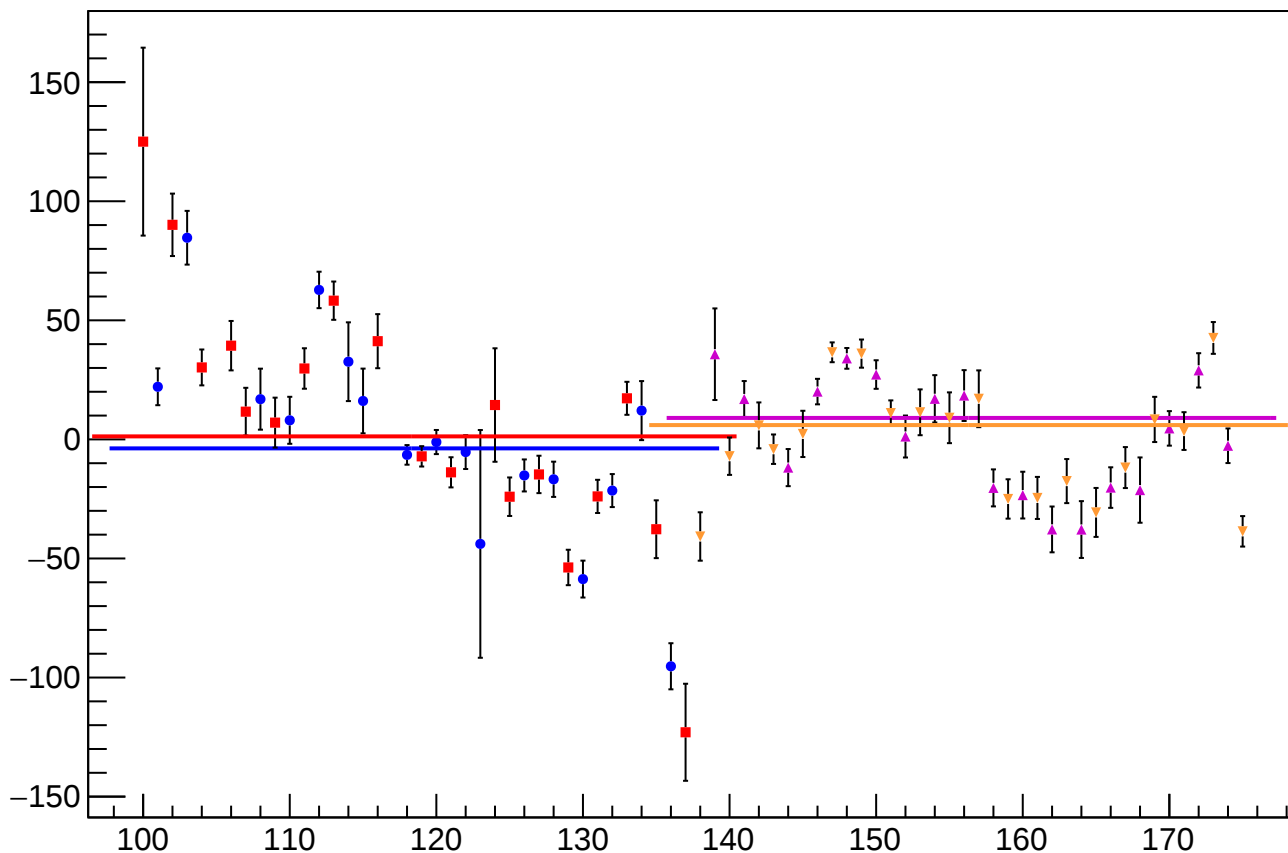
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -501.111 ± 2.541 χ^2/NDF : 1074.9/17

Out: -446.722 ± 2.356 χ^2/NDF : 4190.4/19

All: -471.864 ± 1.728 χ^2/NDF : 5511.6/37

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.773 ± 1.889 χ^2/NDF : 314.3/16

Left Out: 6.010 ± 1.672 χ^2/NDF : 237.0/19

Right Out: 1.265 ± 1.920 χ^2/NDF : 303.7/18

Left In: 9.014 ± 1.811 χ^2/NDF : 150.5/17

Left: 7.393 ± 1.229 χ^2/NDF : 389.1/37

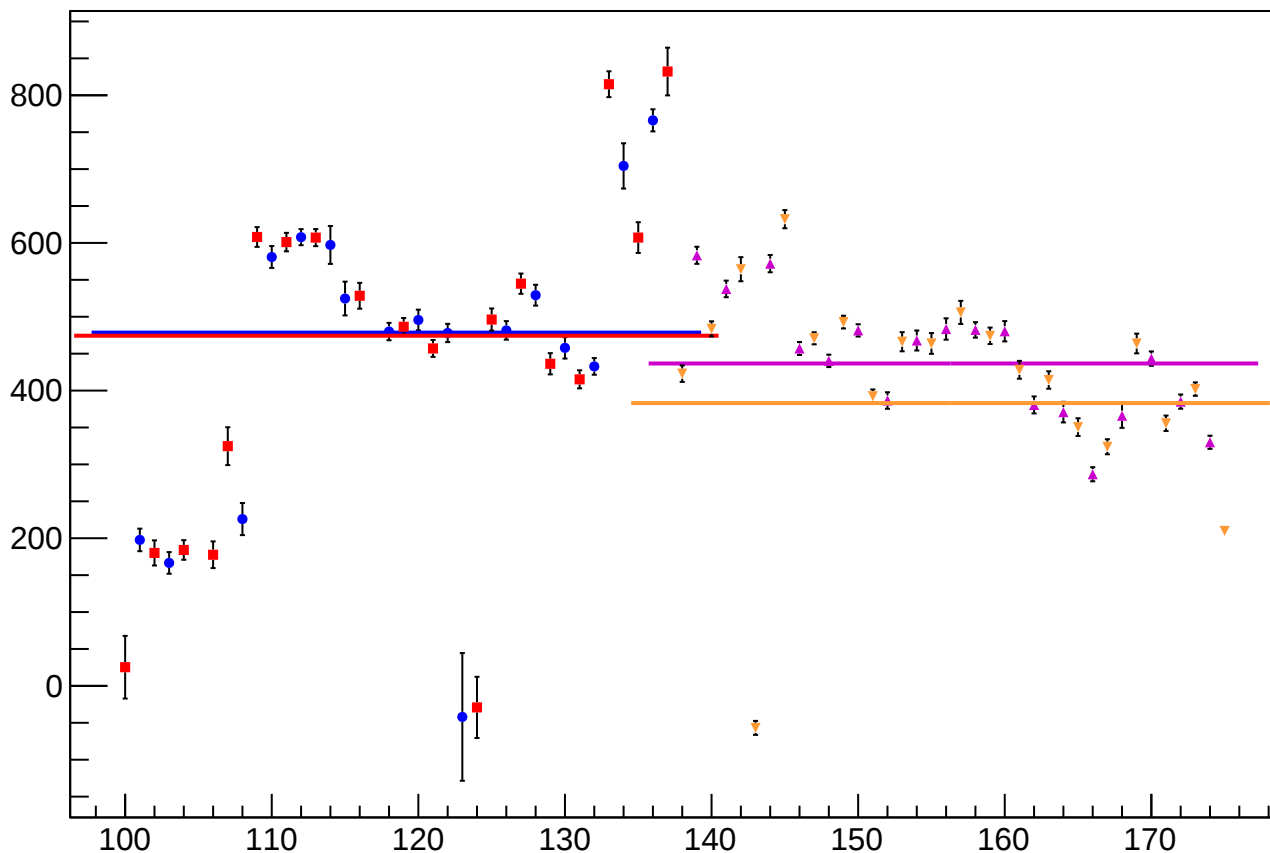
Right: -1.296 ± 1.346 χ^2/NDF : 621.6/35

In: 2.890 ± 1.307 χ^2/NDF : 488.8/34

Out: 3.964 ± 1.261 χ^2/NDF : 544.2/38

All: 3.446 ± 0.908 χ^2/NDF : 1033.4/73

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 478.526 $\pm$ 3.630 χ^2 /NDF: 1629.0/16

Left Out: 383.054 $\pm$ 2.343 χ^2 /NDF: 4056.3/19

Right Out: 474.328 $\pm$ 3.533 χ^2 /NDF: 2287.1/18

Left In: 436.693 $\pm$ 2.517 χ^2 /NDF: 955.5/17

Left: 407.950 $\pm$ 1.715 χ^2 /NDF: 5255.1/37

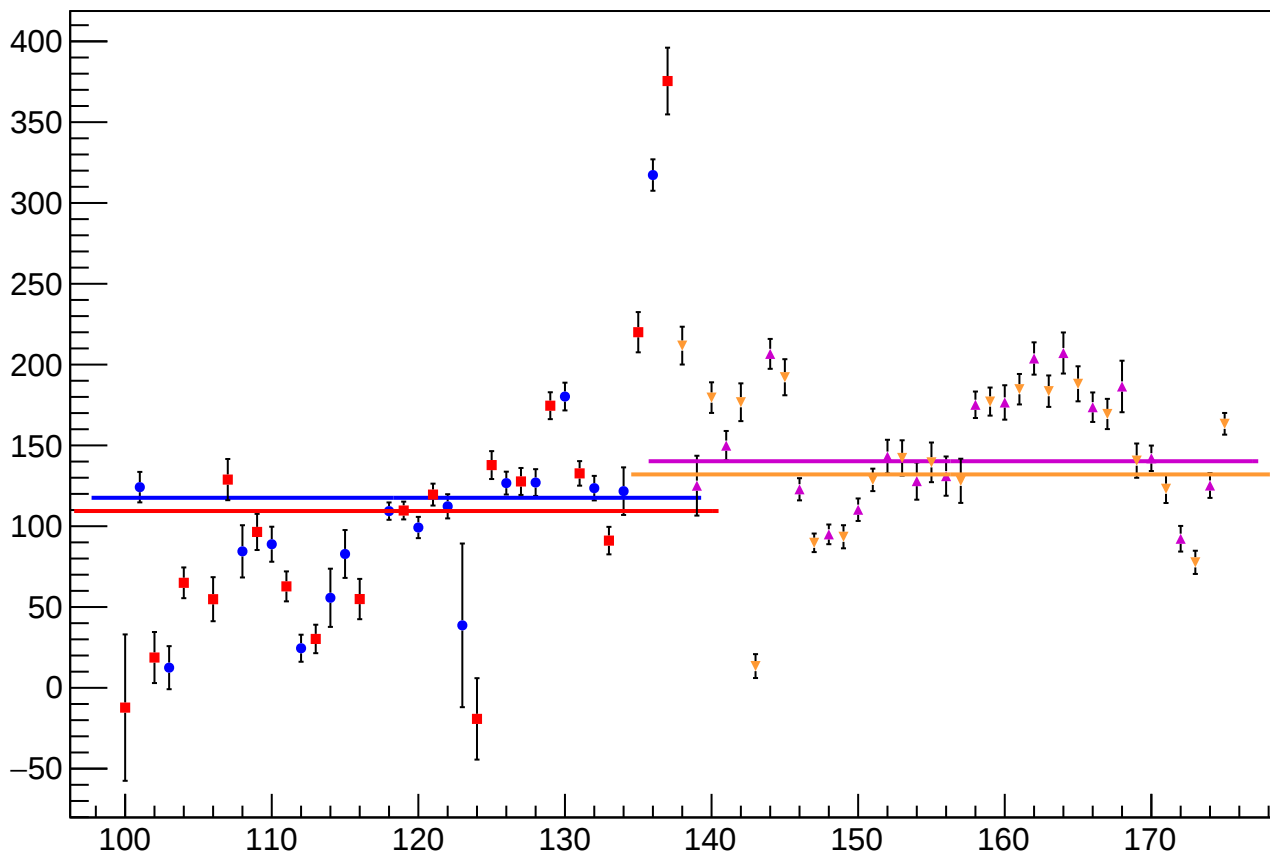
Right: 476.370 $\pm$ 2.532 χ^2 /NDF: 3916.8/35

In: 450.276 $\pm$ 2.068 χ^2 /NDF: 2674.2/34

Out: 410.932 $\pm$ 1.952 χ^2 /NDF: 6807.0/38

All: 429.469 $\pm$ 1.420 χ^2 /NDF: 9672.6/73

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: 132.050 $\pm$ 1.956 χ^2 /NDF:667.0/19

Right Out: 109.400 $\pm$ 2.210 χ^2 /NDF: 571.2/18

Left In: 140.210 $\pm$ 2.113 χ^2 /NDF:295.7/17

Left: 135.816 $\pm$ 1.435 χ^2 /NDF: 970.8/37

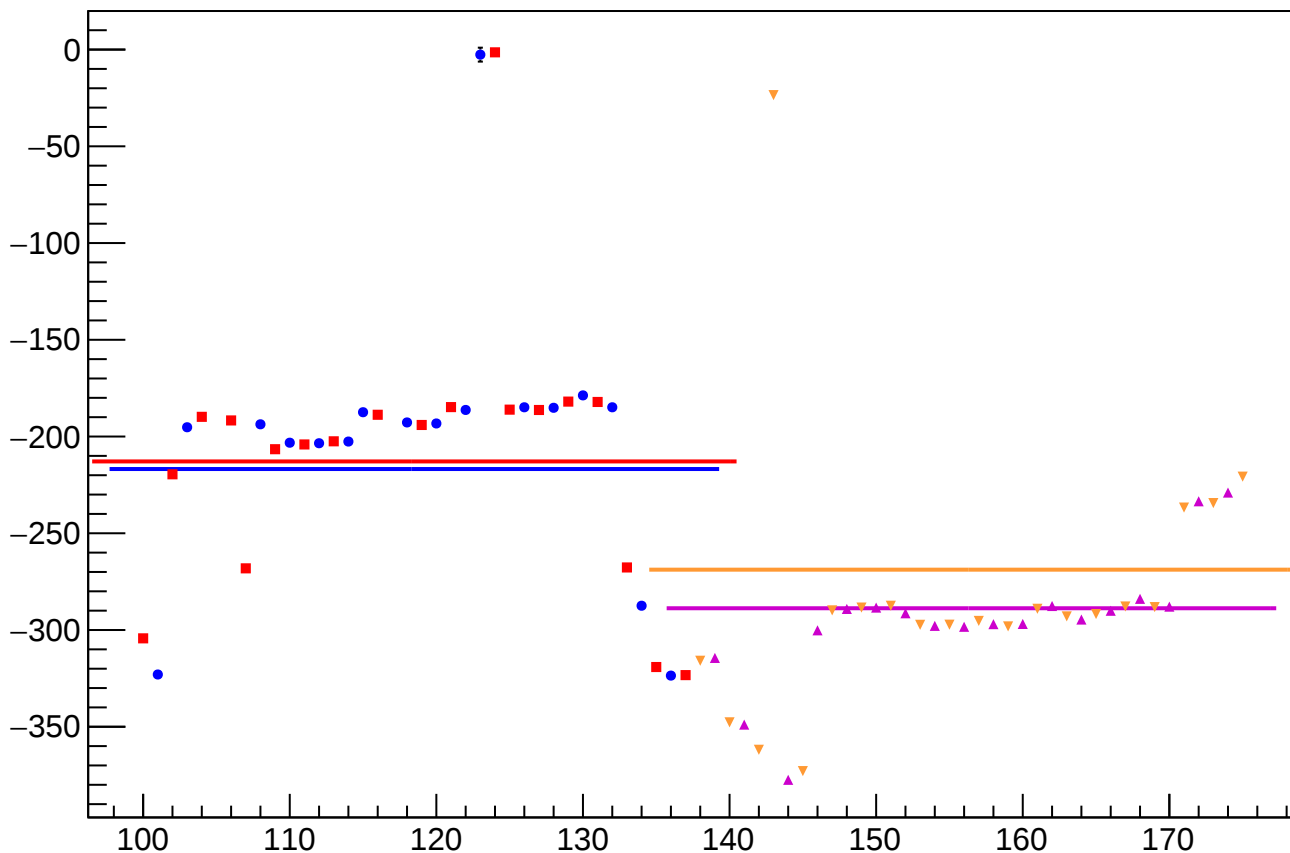
Right: 113.524 $\pm$ 1.557 χ^2 /NDF: 1285.0/35

In: 129.319 $\pm$ 1.521 χ^2 /NDF:1057.8/34

Out: 122.102 $\pm$ 1.464 χ^2 /NDF:1297.2/38

All: 125.573 $\pm$ 1.055 χ^2 /NDF: 2366.6/73

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -216.796 $\pm$ 0.136 χ^2 /NDF: 146976.1/16

Left Out: -268.811 $\pm$ 0.095 χ^2 /NDF: 598623.8/19

Right Out: -212.869 $\pm$ 0.130 χ^2 /NDF: 116393.6/18

Left In: -288.755 $\pm$ 0.099 χ^2 /NDF: 113586.1/17

Left: -278.365 $\pm$ 0.068 χ^2 /NDF: 733496.6/37

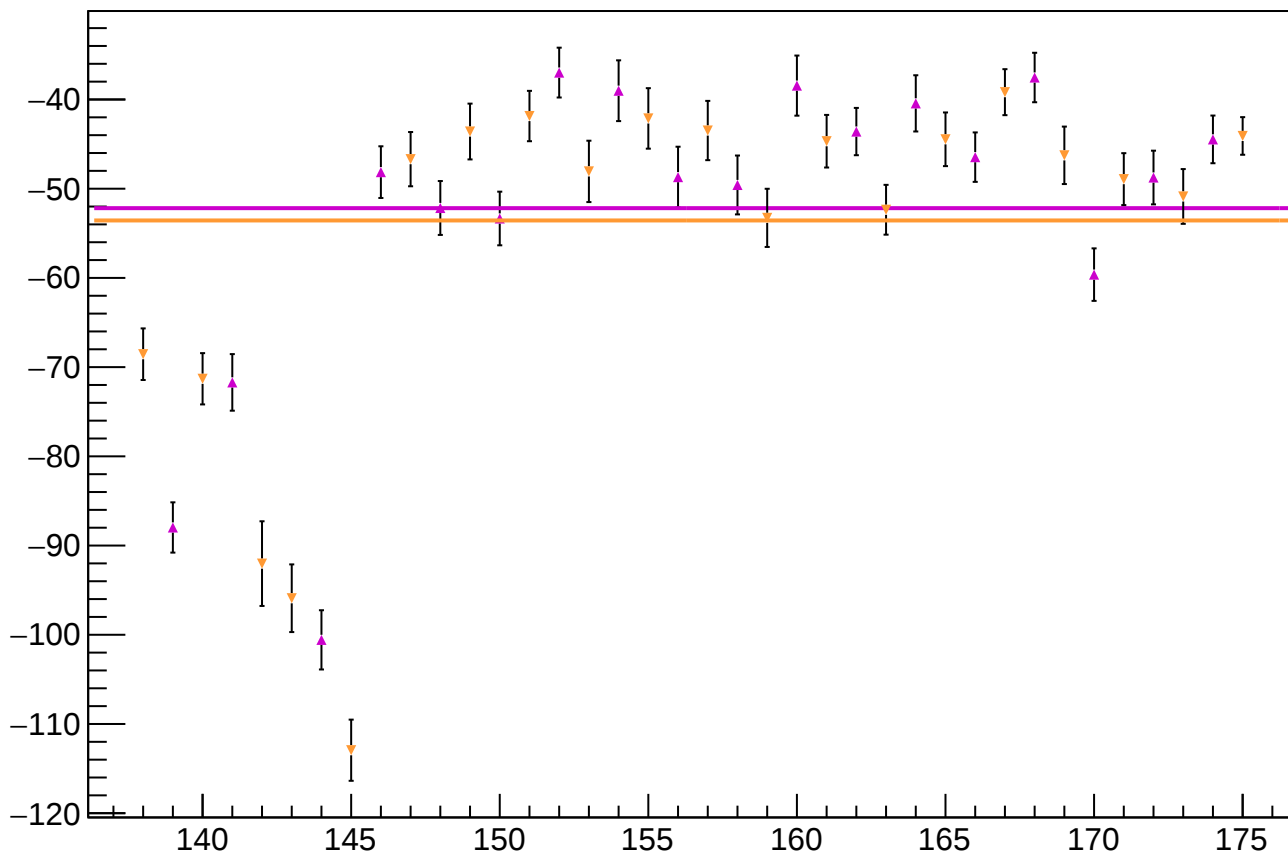
Right: -214.751 $\pm$ 0.094 χ^2 /NDF: 263806.1/35

In: -263.858 $\pm$ 0.080 χ^2 /NDF: 444602.4/34

Out: -249.470 $\pm$ 0.077 χ^2 /NDF: 835893.5/38

All: -256.364 $\pm$ 0.055 χ^2 /NDF: 1297431.9/73

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



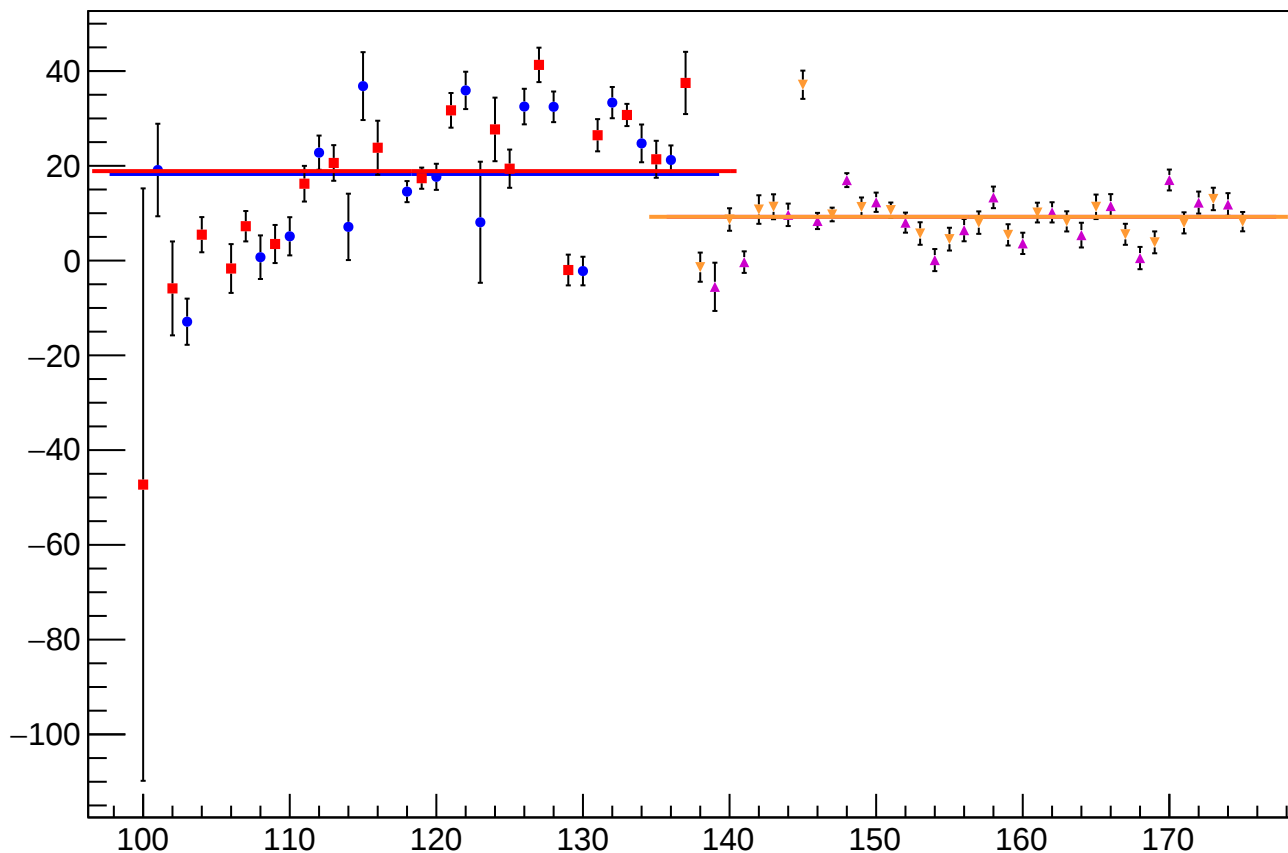
Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -53.559 $\pm$ 0.677 χ^2 /NDF:689.1/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -52.181 $\pm$ 0.706 χ^2 /NDF:549.2/17

Left: -52.899 $\pm$ 0.489 χ^2 /NDF: 1240.3/37
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -52.181 $\pm$ 0.706 χ^2 /NDF:549.2/17
 Out: -53.559 $\pm$ 0.677 χ^2 /NDF:689.1/19

All: -52.899 $\pm$ 0.489 χ^2 /NDF: 1240.3/37

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.279+/-0.906 χ^2 /NDF: 204.6/16

Left Out: 9.236+/-0.494 χ^2 /NDF:123.8/19

Right Out: 18.882+/-0.864 χ^2 /NDF: 198.4/18

Left In: 9.223+/-0.519 χ^2 /NDF:115.2/17

Left: 9.230+/-0.358 χ^2 /NDF: 239.0/37

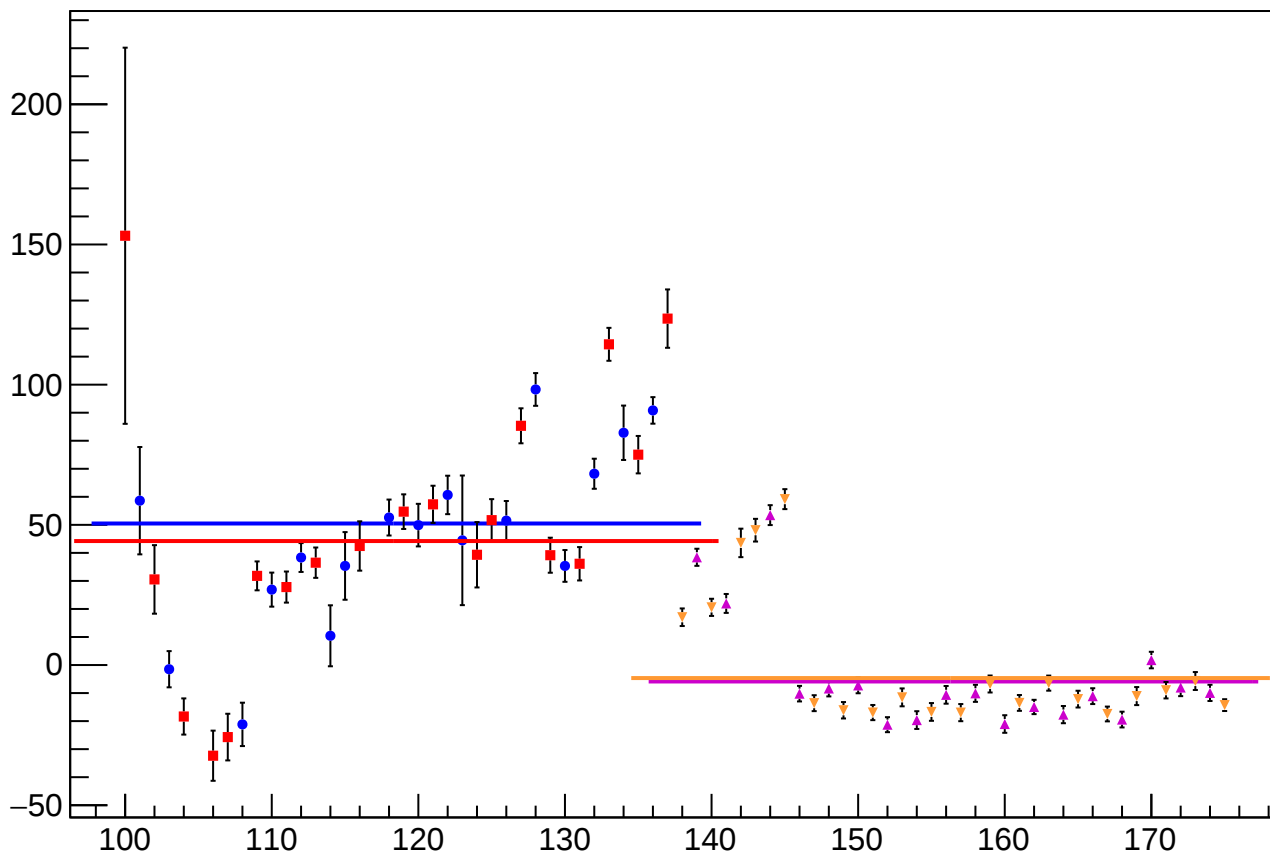
Right: 18.595+/-0.625 χ^2 /NDF: 403.2/35

In: 11.464+/-0.450 χ^2 /NDF:395.1/34

Out: 11.608+/-0.429 χ^2 /NDF:416.1/38

All: 11.540+/-0.311 χ^2 /NDF: 811.3/73

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: -4.648 $\pm$ 0.669 χ^2 /NDF: 846.4/19

Right Out: 44.222 $\pm$ 1.602 χ^2 /NDF: 534.4/18

Left In: -5.865 $\pm$ 0.697 χ^2 /NDF: 705.0/17

Left: -5.231 $\pm$ 0.483 χ^2 /NDF: 1553.0/37

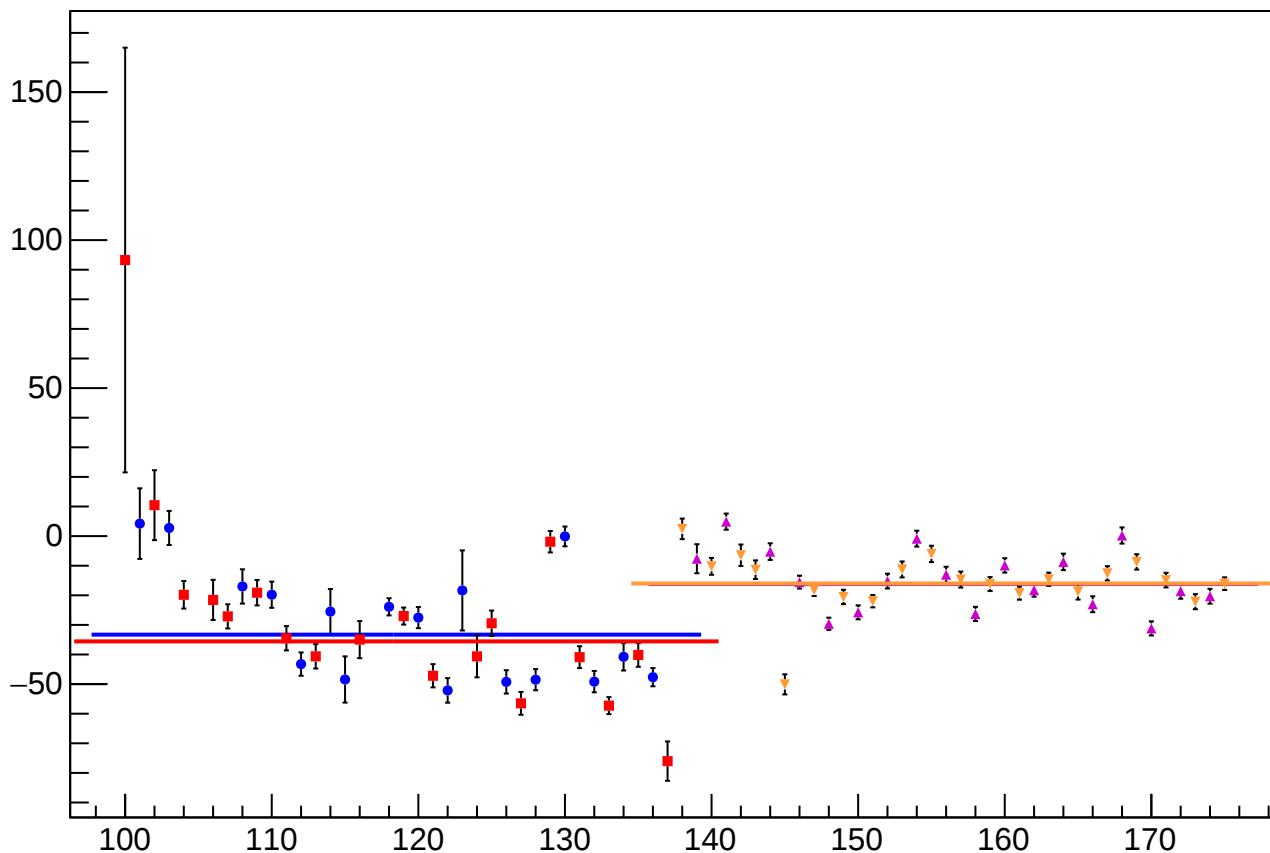
Right: 47.226 $\pm$ 1.156 χ^2 /NDF: 899.6/35

In: 2.515 $\pm$ 0.643 χ^2 /NDF: 2034.4/34

Out: 2.604 $\pm$ 0.617 χ^2 /NDF: 2172.8/38

All: 2.561 $\pm$ 0.445 χ^2 /NDF: 4207.2/73

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.292 ± 1.033 $\chi^2/\text{NDF}: 289.1/16$

Left Out: -15.996 ± 0.568 $\chi^2/\text{NDF}: 191.0/19$

Right Out: -35.566 ± 0.992 $\chi^2/\text{NDF}: 287.6/18$

Left In: -16.195 ± 0.597 $\chi^2/\text{NDF}: 289.2/17$

Left: -16.090 ± 0.412 $\chi^2/\text{NDF}: 480.3/37$

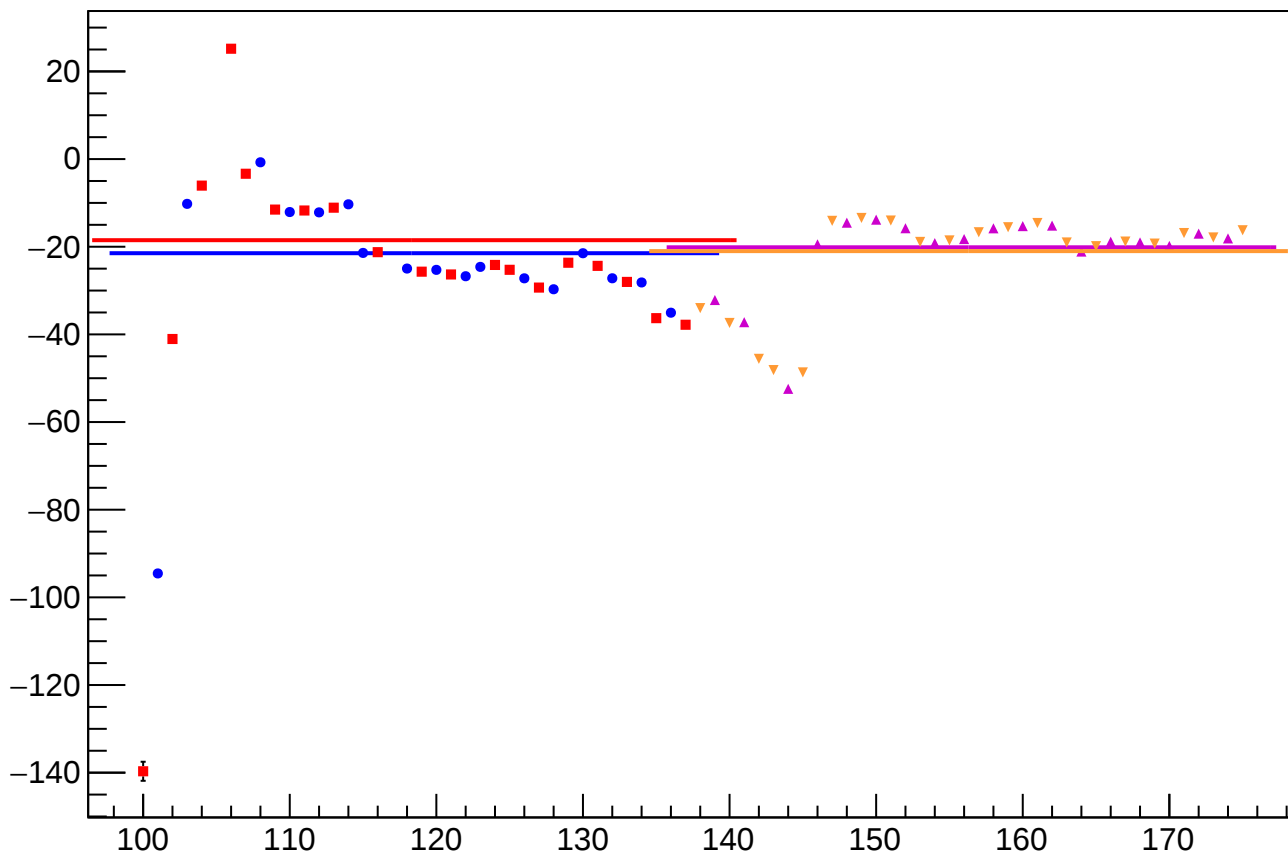
Right: -34.474 ± 0.716 $\chi^2/\text{NDF}: 579.3/35$

In: -20.479 ± 0.517 $\chi^2/\text{NDF}: 783.6/34$

Out: -20.825 ± 0.493 $\chi^2/\text{NDF}: 771.5/38$

All: -20.661 ± 0.357 $\chi^2/\text{NDF}: 1555.3/73$

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: -21.001 ± 0.026 $\chi^2/\text{NDF}: 131983.7/19$

Right Out: -18.506 ± 0.057 $\chi^2/\text{NDF}: 80734.5/18$

Left In: -20.129 ± 0.027 $\chi^2/\text{NDF}: 85797.2/17$

Left: -20.574 ± 0.019 $\chi^2/\text{NDF}: 218313.9/37$

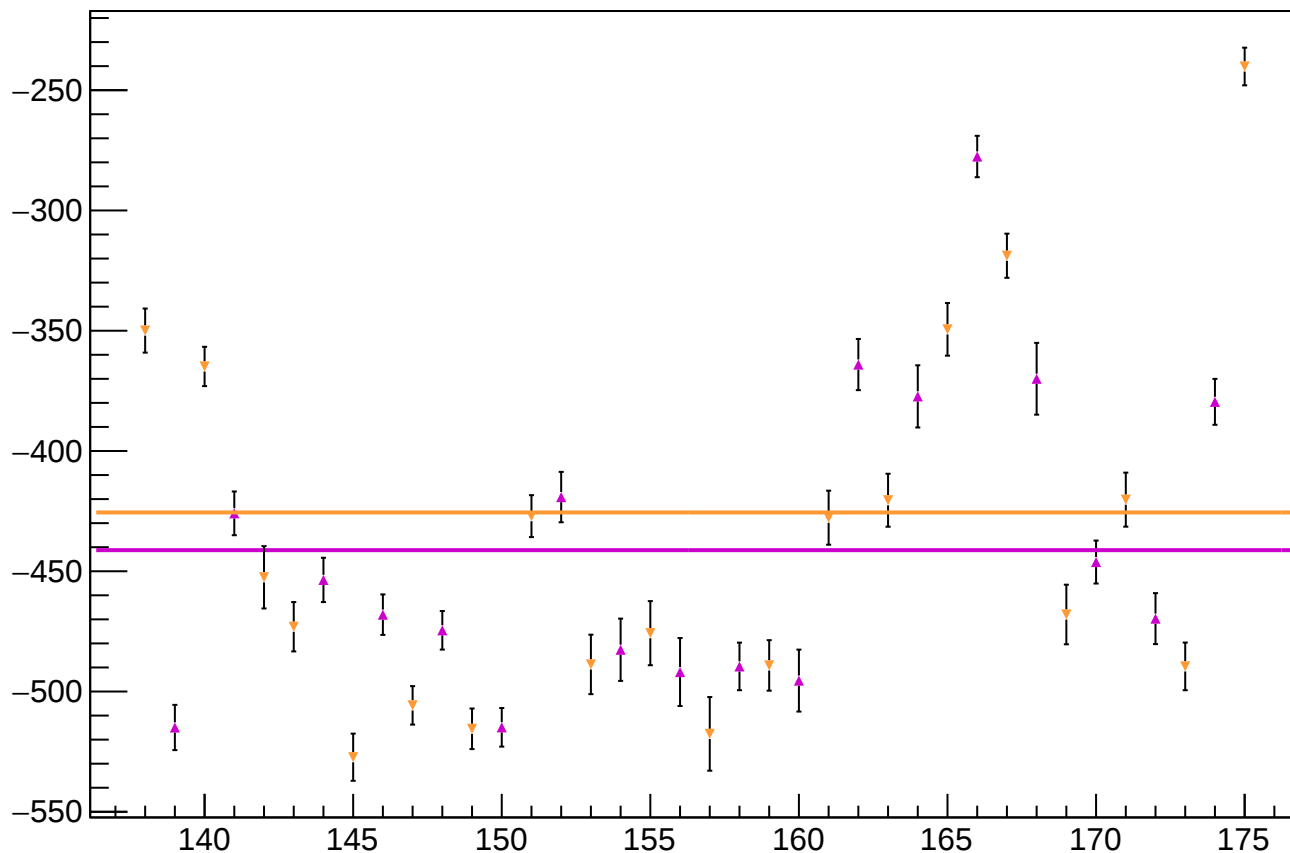
Right: -19.957 ± 0.041 $\chi^2/\text{NDF}: 131054.3/35$

In: -20.364 ± 0.025 $\chi^2/\text{NDF}: 135242.1/34$

Out: -20.564 ± 0.024 $\chi^2/\text{NDF}: 214279.0/38$

All: -20.466 ± 0.017 $\chi^2/\text{NDF}: 349555.0/73$

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -425.555+/-2.245 χ^2/NDF :1382.5/19

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

Left In: -441.229+/-2.344 χ^2/NDF :757.7/17

Left: -433.053+/-1.621 χ^2/NDF : 2163.5/37

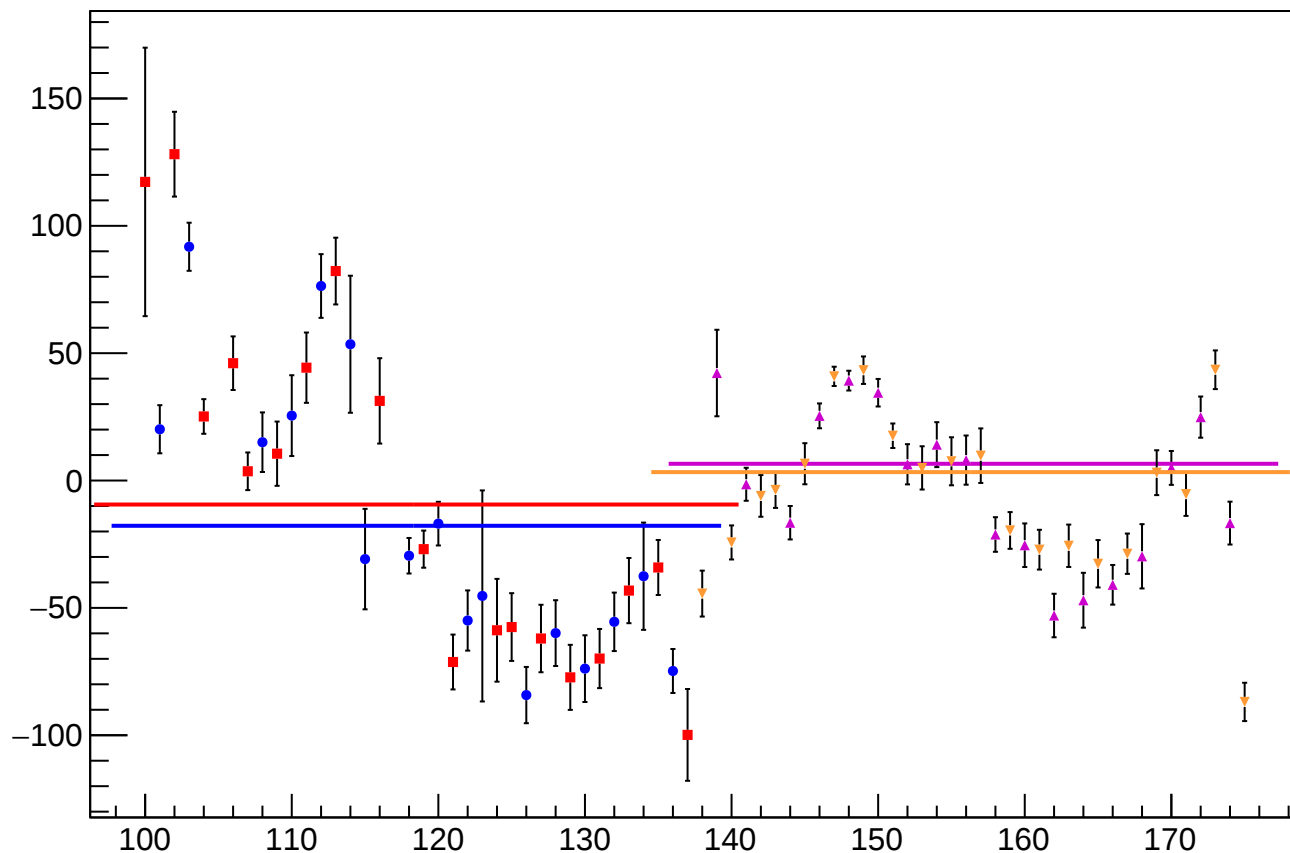
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -441.229+/-2.344 χ^2/NDF :757.7/17

Out: -425.555+/-2.245 χ^2/NDF :1382.5/19

All: -433.053+/-1.621 χ^2/NDF : 2163.5/37

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -17.765 ± 2.781 χ^2/NDF : 363.9/16

Left Out: 3.308 ± 1.571 χ^2/NDF : 451.8/19

Right Out: -9.417 ± 2.613 χ^2/NDF : 369.6/18

Left In: 6.579 ± 1.655 χ^2/NDF : 293.7/17

Left: 4.858 ± 1.139 χ^2/NDF : 747.6/37

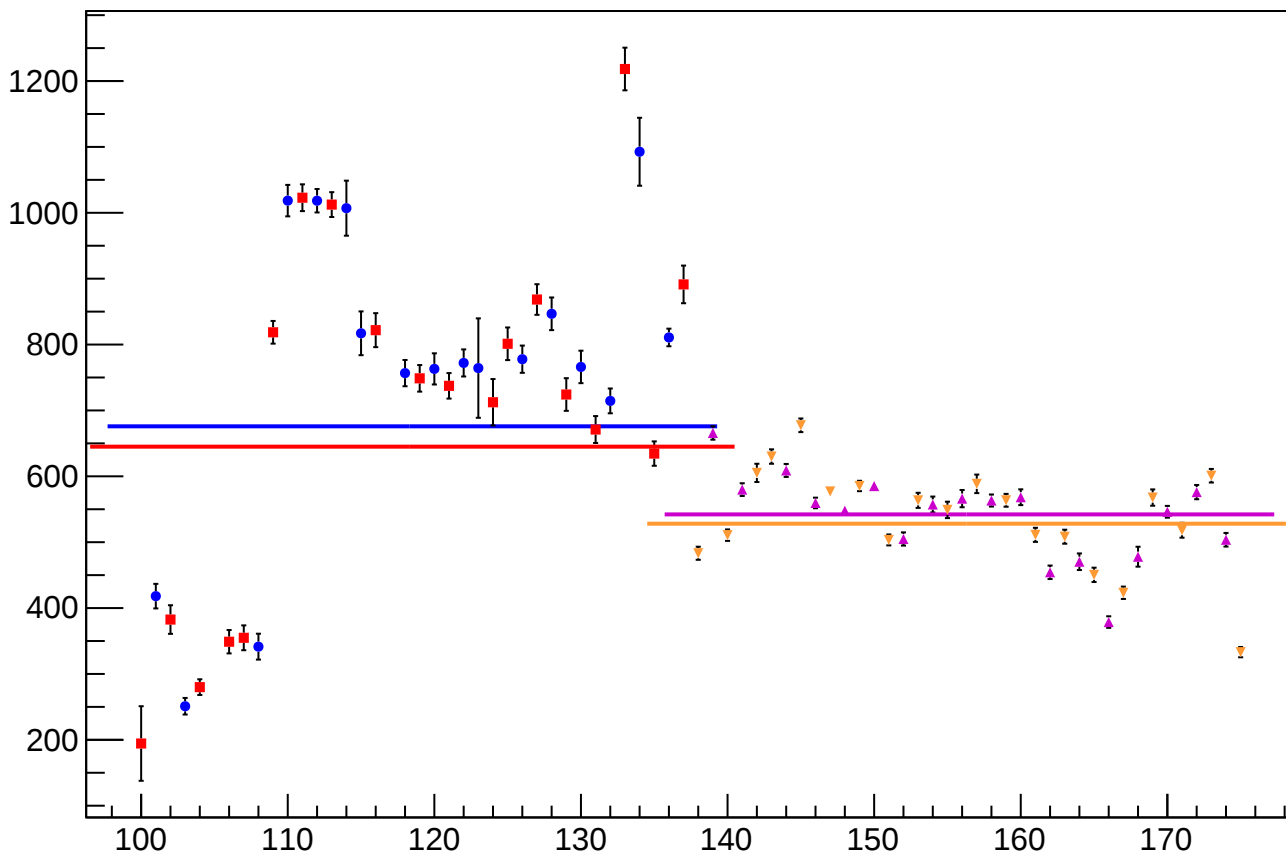
Right: -13.331 ± 1.905 χ^2/NDF : 738.2/35

In: 0.214 ± 1.422 χ^2/NDF : 714.1/34

Out: -0.069 ± 1.346 χ^2/NDF : 838.8/38

All: 0.065 ± 0.978 χ^2/NDF : 1553.0/73

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 675.871+/-5.037 χ^2/NDF : 2586.4/16

Left Out: 528.047+/-2.226 χ^2/NDF :1364.1/19

Right Out: 645.014+/-4.761 χ^2/NDF : 3123.3/18

Left In: 542.183+/-2.314 χ^2/NDF :770.9/17

Left: 534.841+/-1.604 χ^2/NDF : 2154.4/37

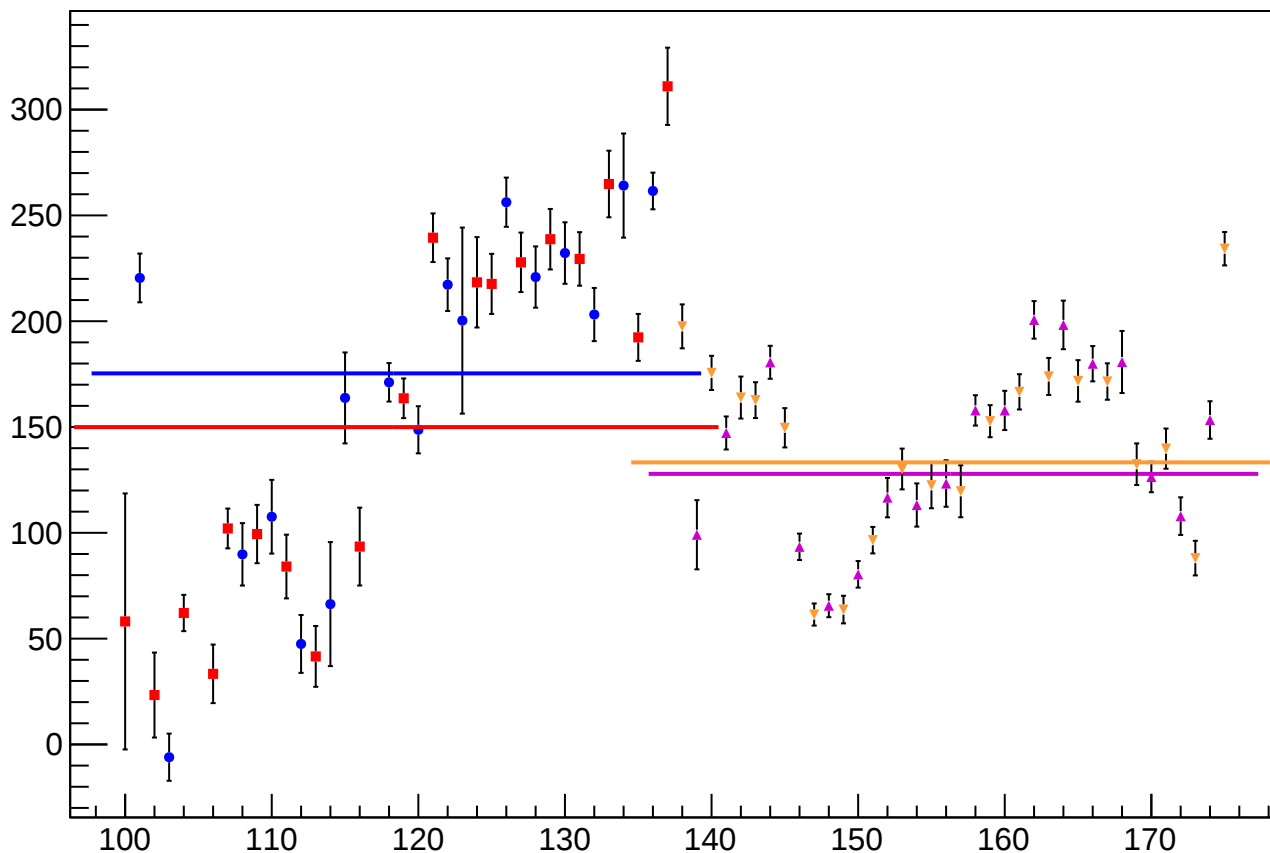
Right: 659.573+/-3.460 χ^2/NDF : 5729.5/35

In: 565.474+/-2.102 χ^2/NDF :3939.0/34

Out: 549.026+/-2.016 χ^2/NDF :4982.7/38

All: 556.906+/-1.455 χ^2/NDF : 8953.6/73

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: 133.301 $\pm$ 1.848 χ^2 /NDF:703.8/19

Right Out: 149.966 $\pm$ 3.045 χ^2 /NDF: 693.2/18

Left In: 127.854 $\pm$ 1.940 χ^2 /NDF:475.9/17

Left: 130.710 $\pm$ 1.338 χ^2 /NDF: 1183.8/37

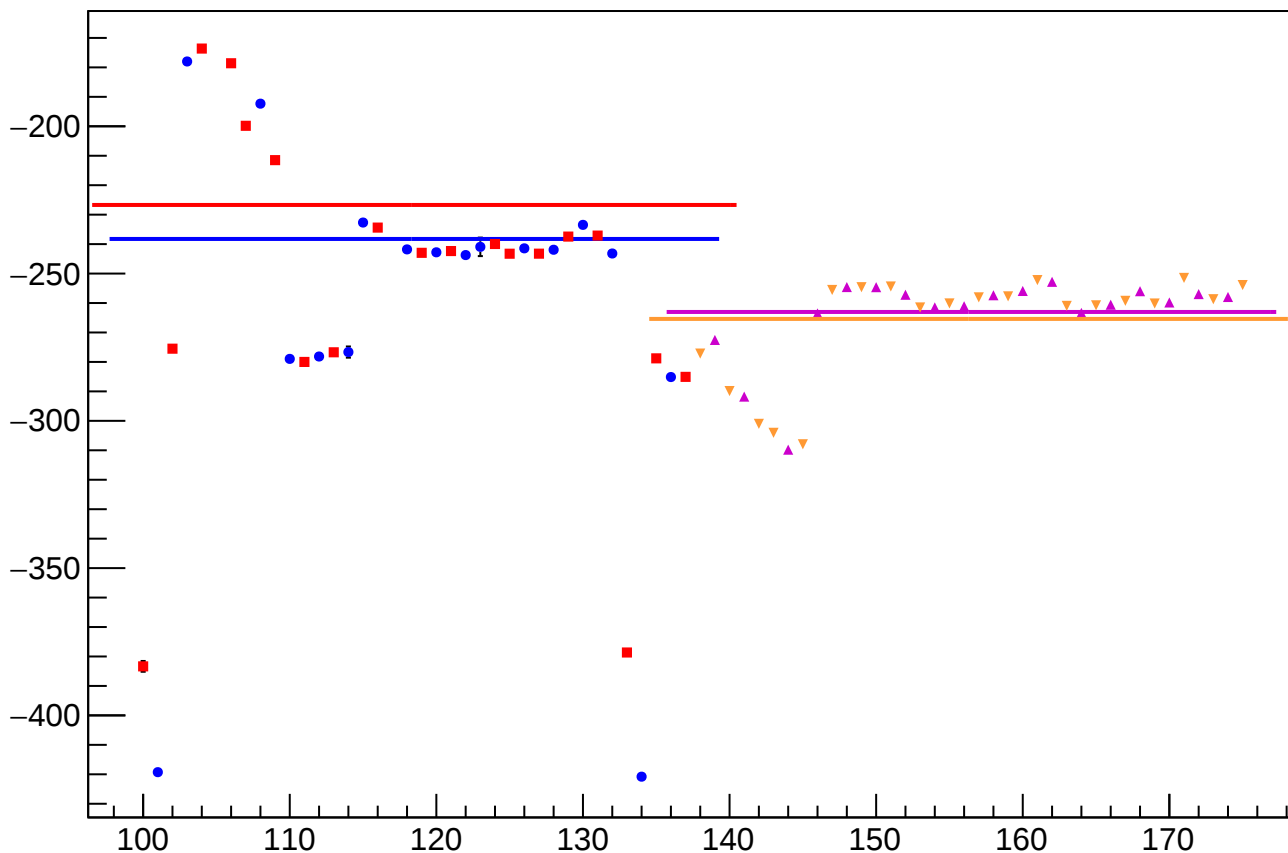
Right: 162.013 $\pm$ 2.207 χ^2 /NDF: 1364.6/35

In: 140.598 $\pm$ 1.659 χ^2 /NDF:1275.2/34

Out: 137.785 $\pm$ 1.580 χ^2 /NDF:1418.9/38

All: 139.122 $\pm$ 1.144 χ^2 /NDF: 2695.6/73

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.248+/-0.160 χ^2/NDF : 167125.9/16

Left Out: -265.396+/-0.090 χ^2/NDF : 35502.5/19

Right Out: -226.706+/-0.151 χ^2/NDF : 102831.3/18

Left In: -263.035+/-0.091 χ^2/NDF : 21419.1/17

Left: -264.235+/-0.064 χ^2/NDF : 57263.0/37

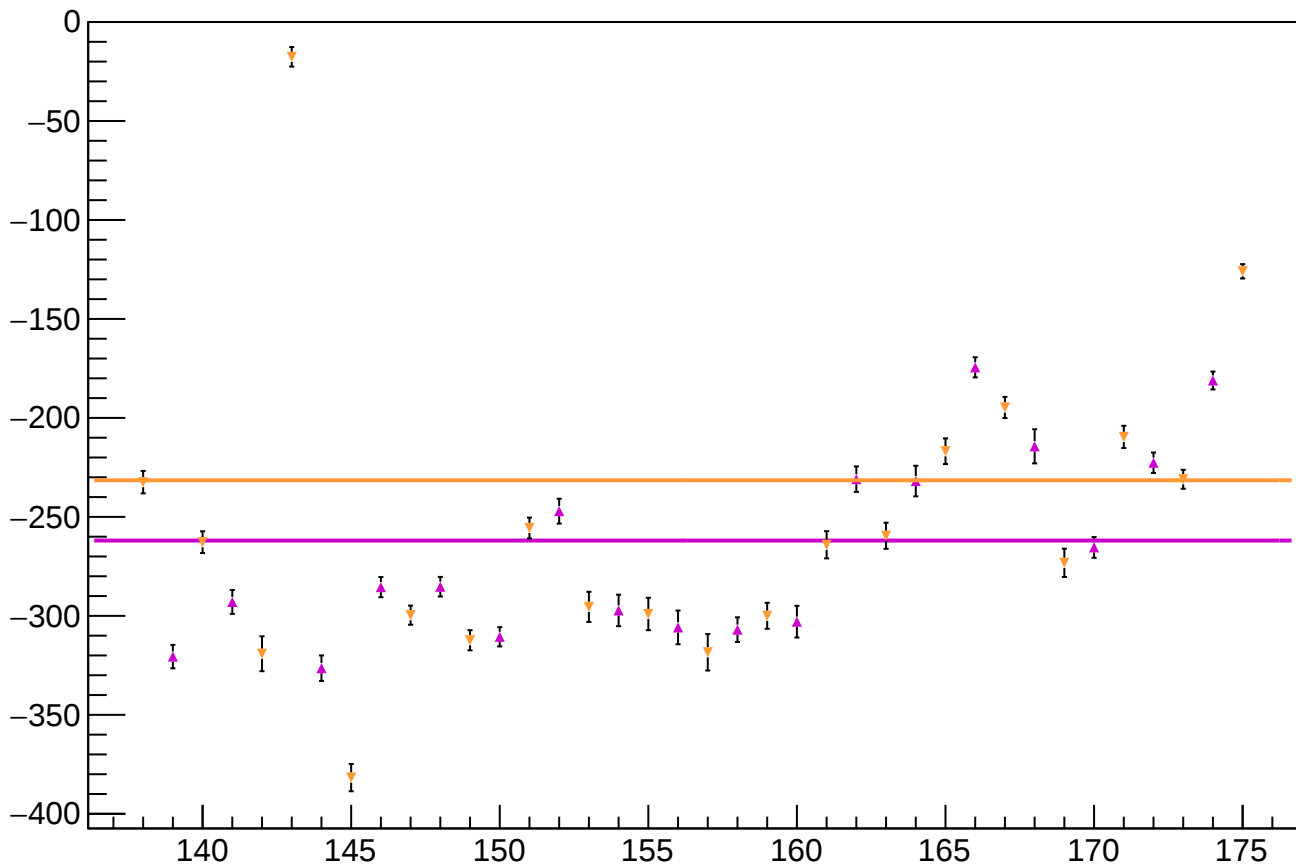
Right: -232.150+/-0.110 χ^2/NDF : 272709.4/35

In: -256.957+/-0.079 χ^2/NDF : 206676.9/34

Out: -255.331+/-0.077 χ^2/NDF : 186842.5/38

All: -256.122+/-0.055 χ^2/NDF : 393735.8/73

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: -231.508+/-1.293 χ^2/NDF :4276.3/19

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

Left In: -261.945+/-1.395 χ^2/NDF :1240.9/17

Left: -245.574+/-0.949 χ^2/NDF : 5773.1/37

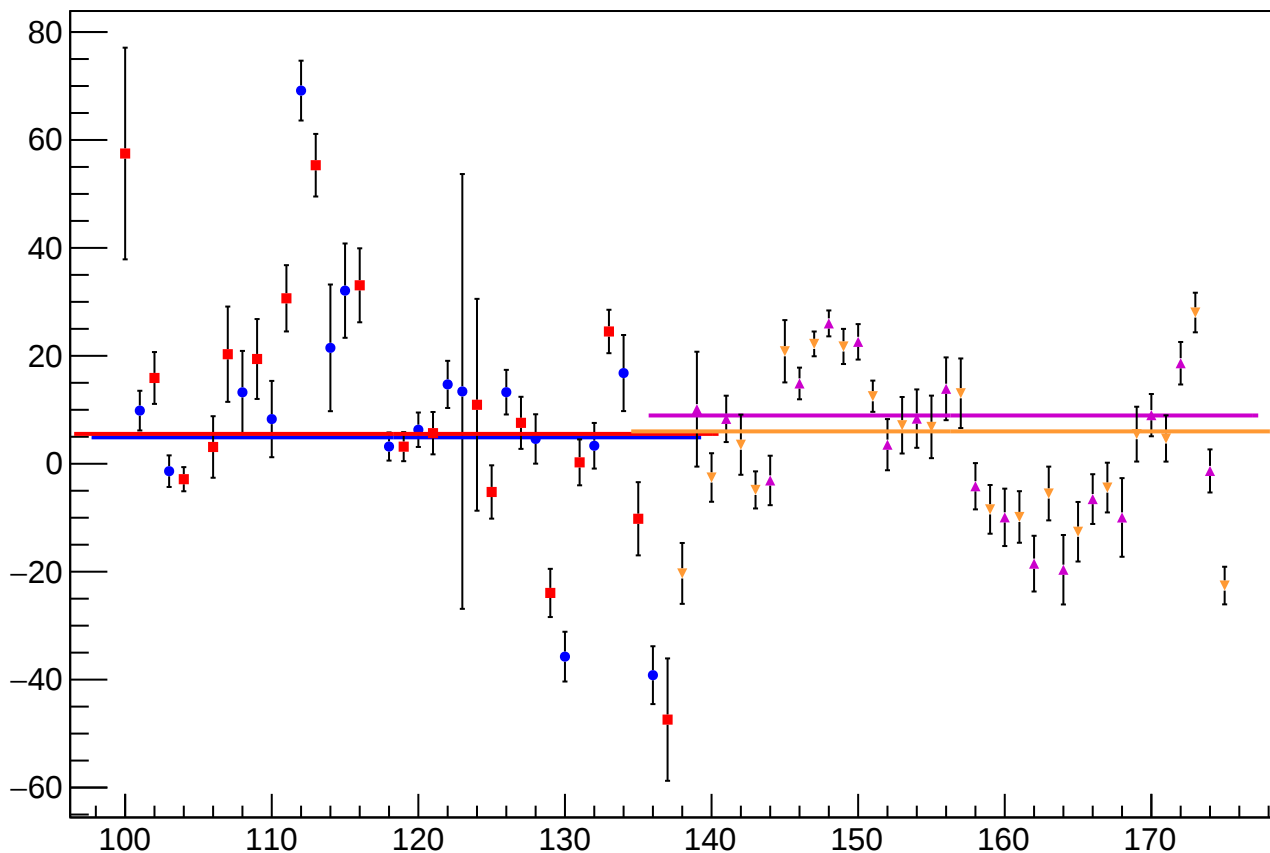
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -261.945+/-1.395 χ^2/NDF :1240.9/17

Out: -231.508+/-1.293 χ^2/NDF :4276.3/19

All: -245.574+/-0.949 χ^2/NDF : 5773.1/37

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.896 $\pm$ 1.089 χ^2 /NDF: 312.0/16

Left Out: 5.999 $\pm$ 0.919 χ^2 /NDF:268.1/19

Right Out: 5.534 $\pm$ 1.071 χ^2 /NDF: 239.1/18

Left In: 8.947 $\pm$ 0.995 χ^2 /NDF:181.4/17

Left: 7.356 $\pm$ 0.675 χ^2 /NDF: 454.3/37

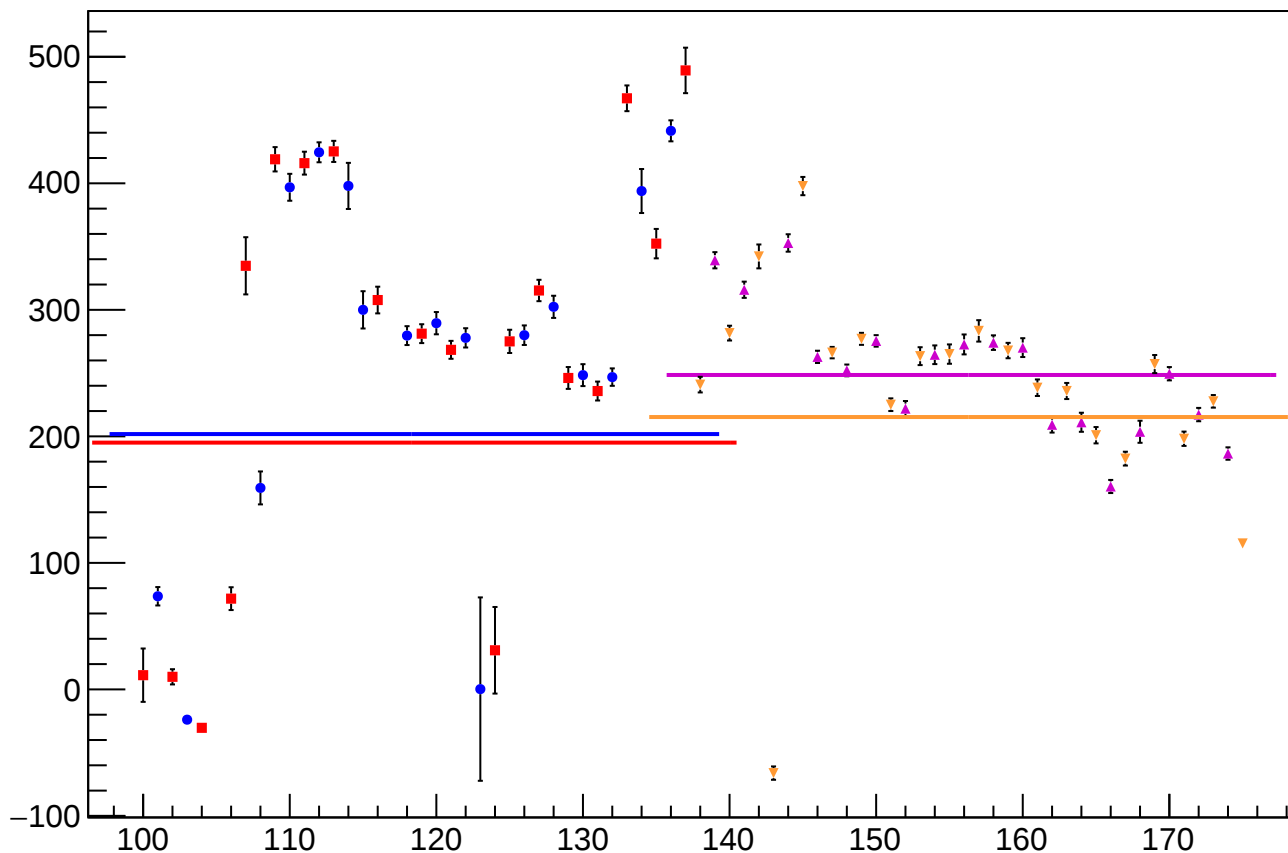
Right: 5.220 $\pm$ 0.764 χ^2 /NDF: 551.3/35

In: 7.104 $\pm$ 0.734 χ^2 /NDF:500.9/34

Out: 5.802 $\pm$ 0.697 χ^2 /NDF:507.4/38

All: 6.419 $\pm$ 0.506 χ^2 /NDF: 1009.9/73

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: 215.275 $\pm$ 1.285 χ^2 /NDF:5210.9/19

Right Out: 195.053 $\pm$ 1.924 χ^2 /NDF: 8257.1/18

Left In: 248.515 $\pm$ 1.381 χ^2 /NDF:1222.1/17

Left: 230.696 $\pm$ 0.941 χ^2 /NDF: 6743.7/37

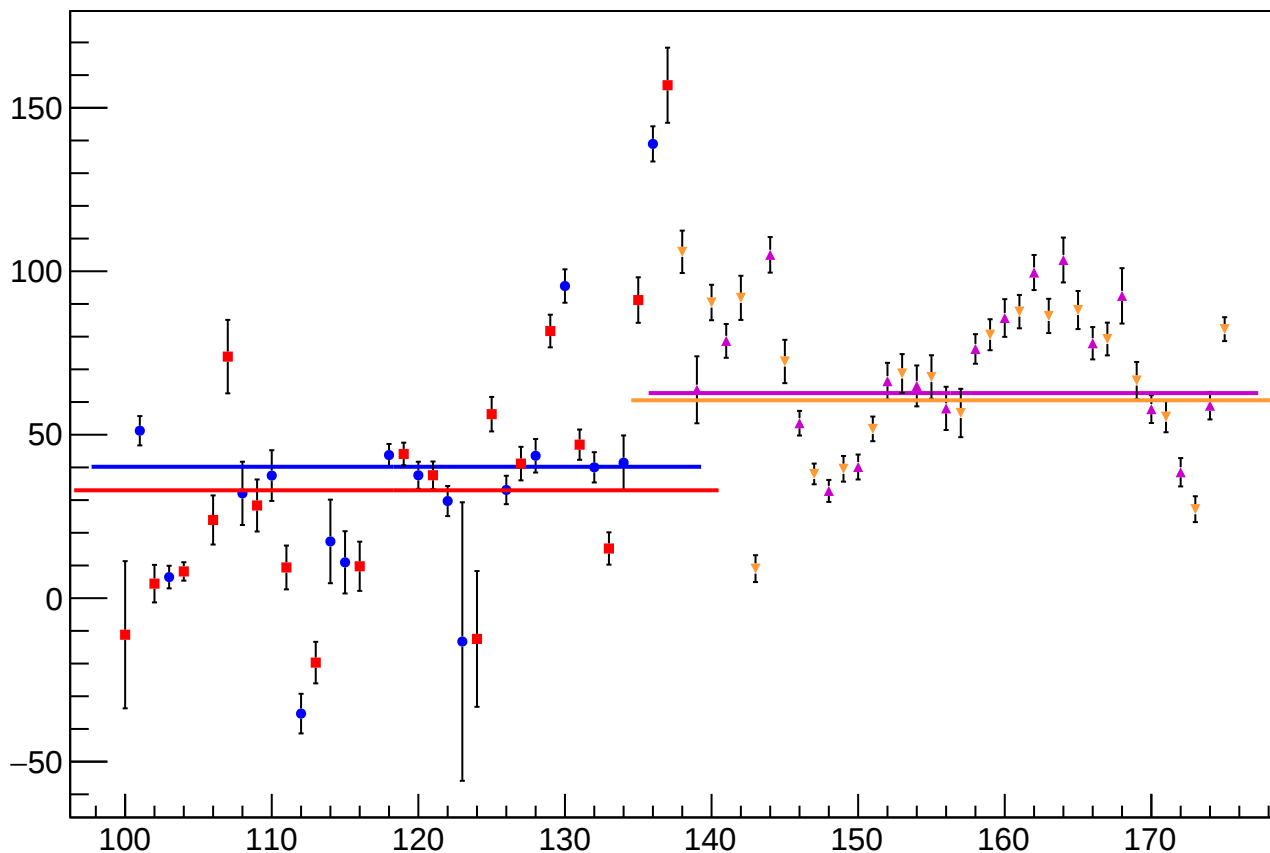
Right: 198.351 $\pm$ 1.377 χ^2 /NDF: 15017.4/35

In: 233.133 $\pm$ 1.131 χ^2 /NDF:8353.2/34

Out: 209.042 $\pm$ 1.068 χ^2 /NDF:13544.4/38

All: 220.404 $\pm$ 0.777 χ^2 /NDF: 22137.4/73

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 40.196+/-1.268 χ^2 /NDF: 735.0/16

Left Out: 60.536+/-1.073 χ^2 /NDF:564.8/19

Right Out: 32.999+/-1.253 χ^2 /NDF: 554.1/18

Left In: 62.739+/-1.160 χ^2 /NDF:354.0/17

Left: 61.552+/-0.788 χ^2 /NDF: 920.8/37

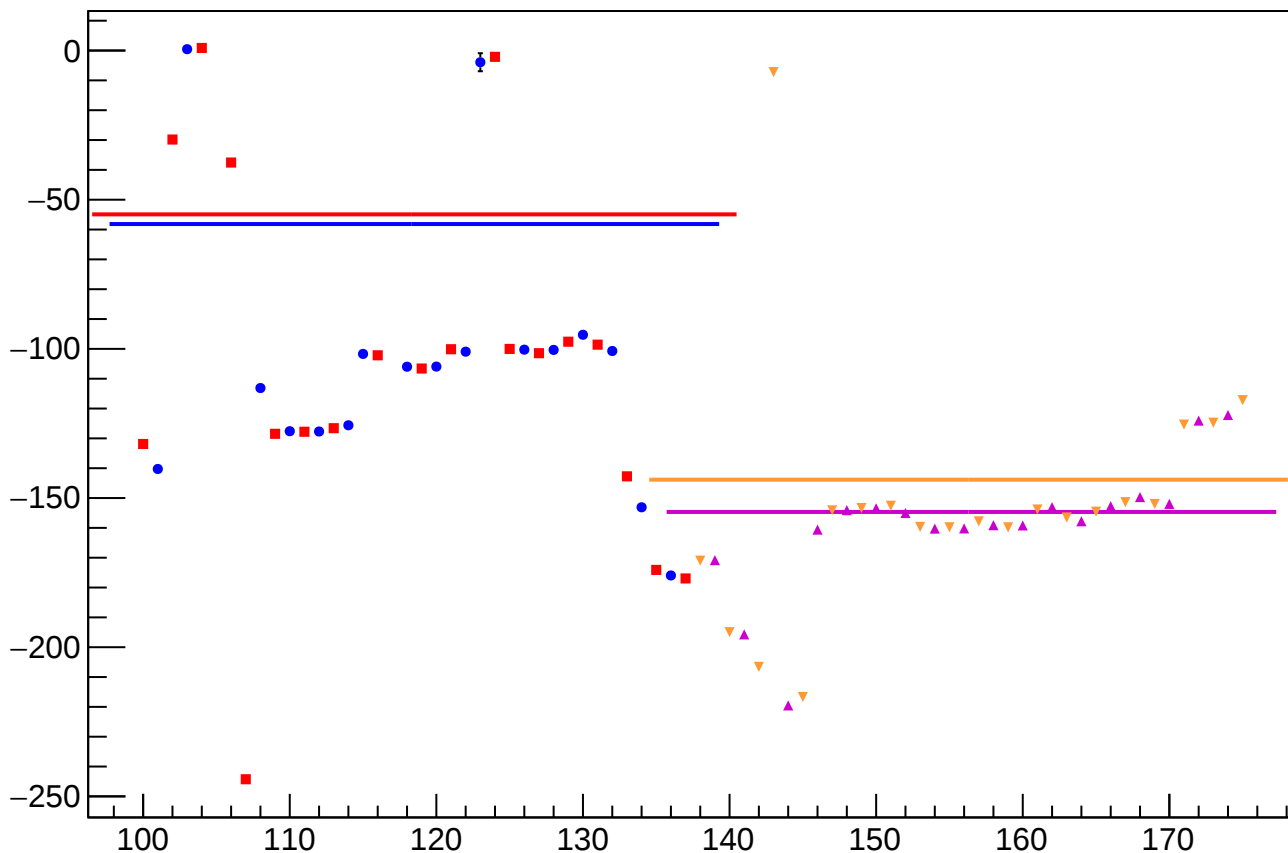
Right: 36.555+/-0.891 χ^2 /NDF: 1305.3/35

In: 52.467+/-0.856 χ^2 /NDF:1261.2/34

Out: 48.880+/-0.815 χ^2 /NDF:1397.6/38

All: 50.586+/-0.590 χ^2 /NDF: 2668.0/73

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: -143.846 $\pm$ 0.052 χ^2 /NDF: 635158.3/19

Right Out: -54.914 $\pm$ 0.060 χ^2 /NDF: 1003885.5/18

Left In: -154.664 $\pm$ 0.054 χ^2 /NDF: 139102.7/17

Left: -149.027 $\pm$ 0.037 χ^2 /NDF: 795121.4/37

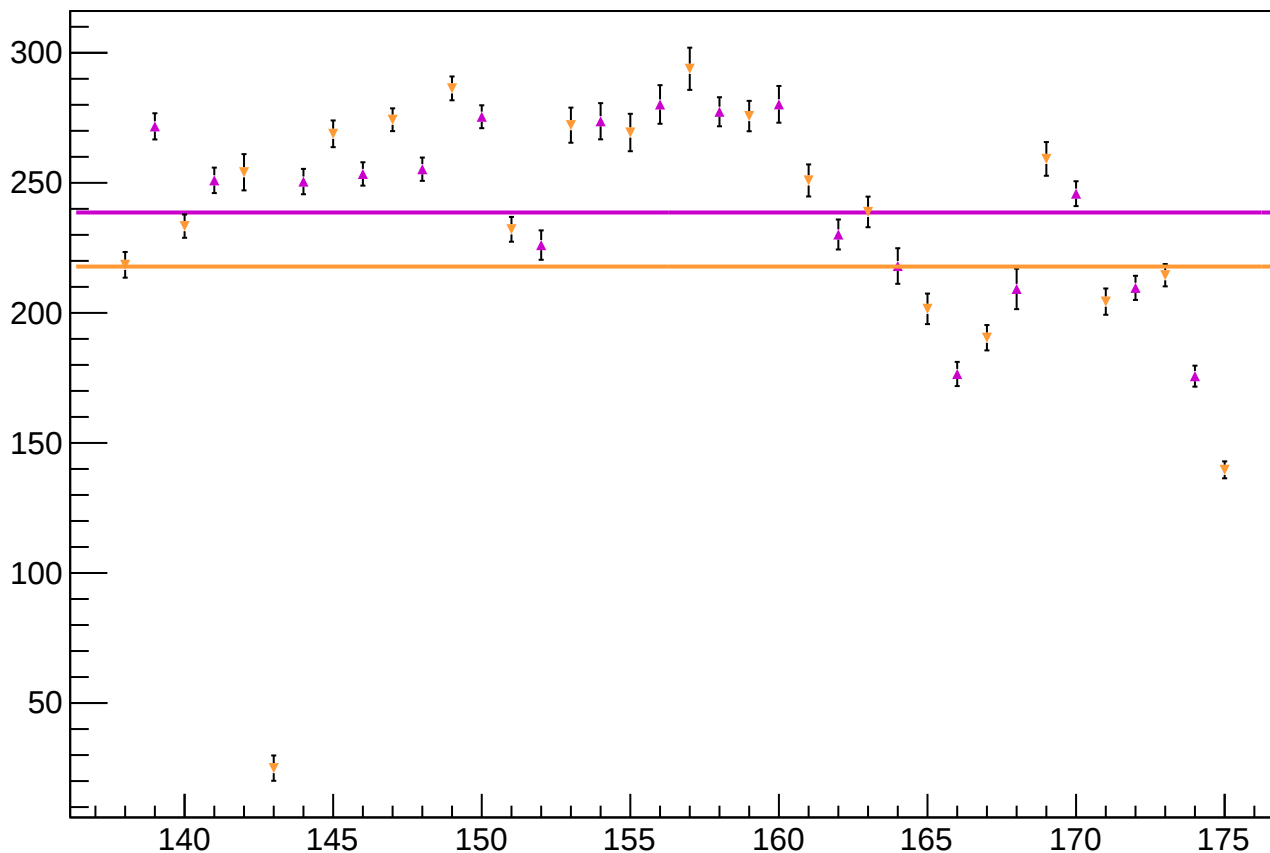
Right: -56.499 $\pm$ 0.043 χ^2 /NDF: 2110811.0/35

In: -112.647 $\pm$ 0.041 χ^2 /NDF: 2631726.4/34

Out: -105.998 $\pm$ 0.039 χ^2 /NDF: 2891766.3/38

All: -109.211 $\pm$ 0.028 χ^2 /NDF: 5537332.3/73

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 217.813 $\pm$ 1.148 χ^2/NDF :3110.8/19

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

Left In: 238.605 $\pm$ 1.229 χ^2/NDF :782.8/17

Left: 227.503 $\pm$ 0.839 χ^2/NDF : 4046.4/37

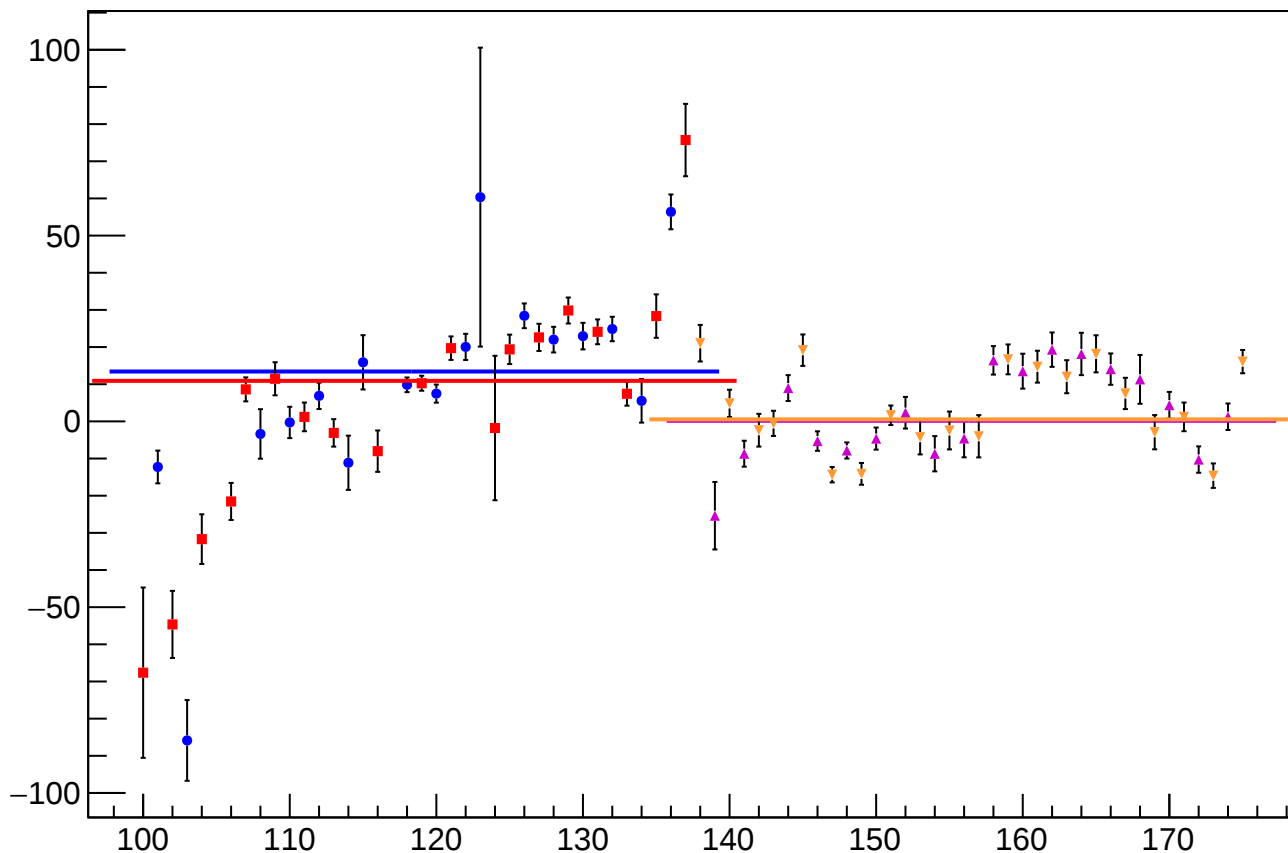
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 238.605 $\pm$ 1.229 χ^2/NDF :782.8/17

Out: 217.813 $\pm$ 1.148 χ^2/NDF :3110.8/19

All: 227.503 $\pm$ 0.839 χ^2/NDF : 4046.4/37

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: 0.545+/-0.819 χ^2/NDF : 212.5/19

Right Out: 10.908+/-0.916 χ^2/NDF : 302.6/18

Left In: 0.149+/-0.879 χ^2/NDF : 122.9/17

Left: 0.361+/-0.599 χ^2/NDF : 335.6/37

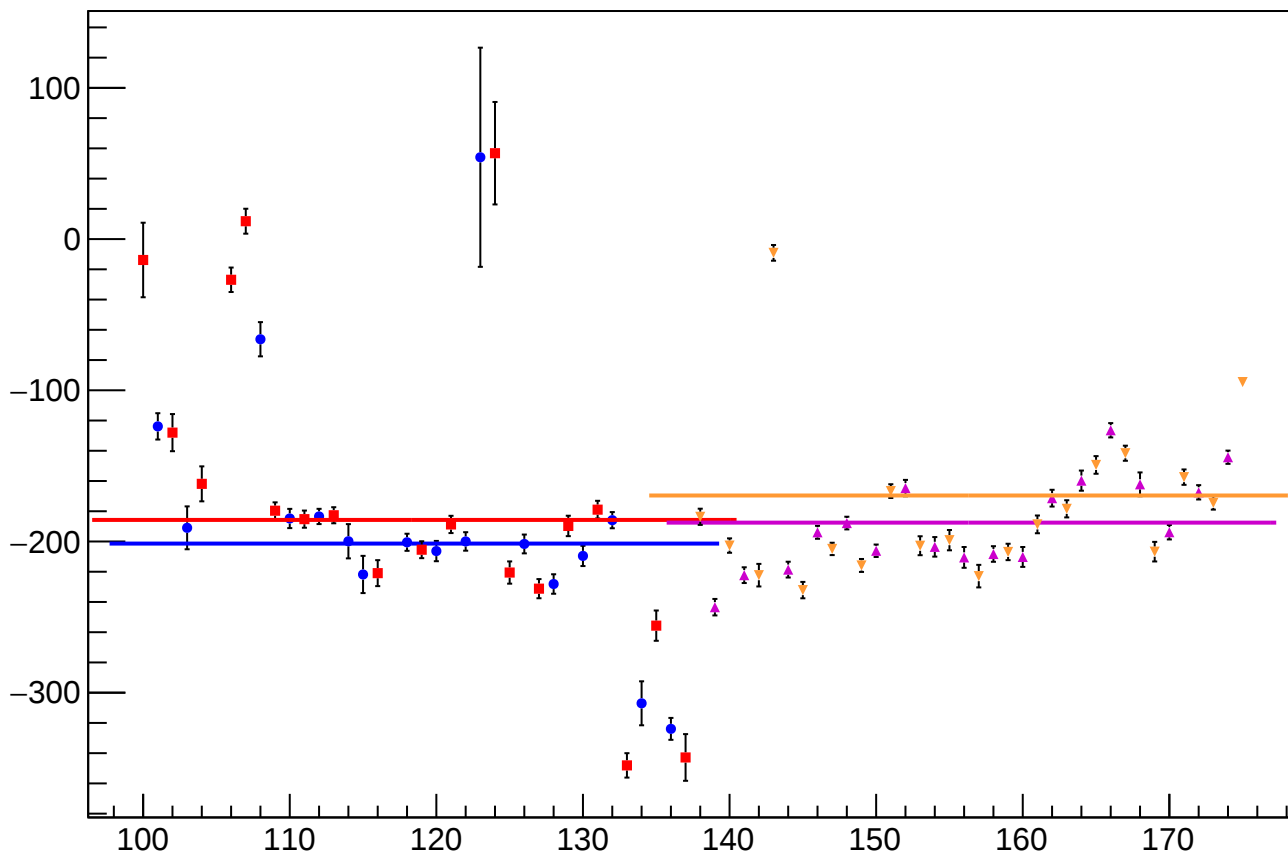
Right: 12.160+/-0.649 χ^2/NDF : 601.6/35

In: 6.489+/-0.635 χ^2/NDF : 527.0/34

Out: 5.149+/-0.611 χ^2/NDF : 586.2/38

All: 5.793+/-0.440 χ^2/NDF : 1115.5/73

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -201.384 ± 1.779 χ^2/NDF : 623.5/16

Left Out: -169.579 ± 1.142 χ^2/NDF : 2156.1/19

Right Out: -185.739 ± 1.700 χ^2/NDF : 1749.3/18

Left In: -187.535 ± 1.219 χ^2/NDF : 590.9/17

Left: -177.974 ± 0.833 χ^2/NDF : 2862.5/37

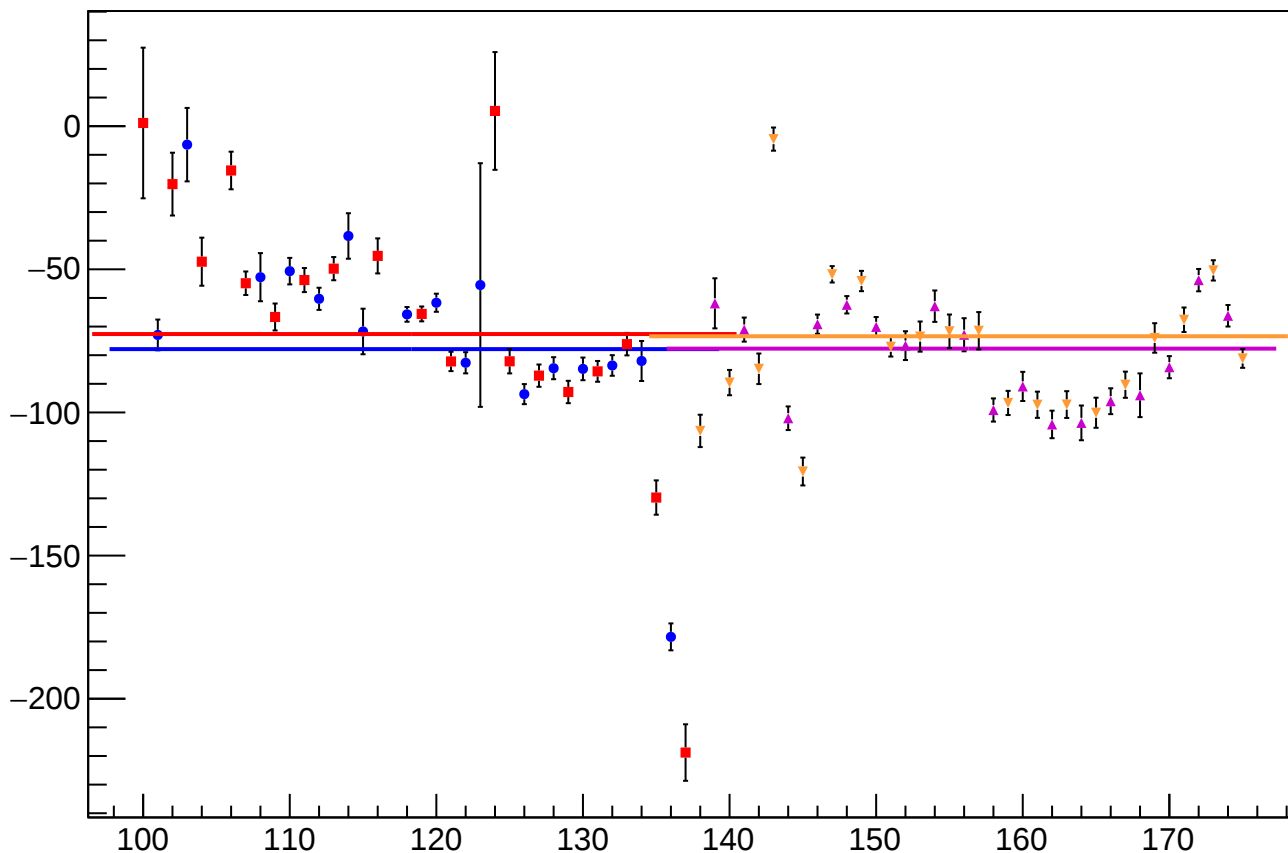
Right: -193.204 ± 1.229 χ^2/NDF : 2413.2/35

In: -191.957 ± 1.006 χ^2/NDF : 1255.6/34

Out: -174.604 ± 0.948 χ^2/NDF : 3967.6/38

All: -182.770 ± 0.690 χ^2/NDF : 5380.9/73

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: -73.385 ± 0.956 χ^2/NDF : 697.2/19

Right Out: -72.612 ± 1.054 χ^2/NDF : 606.9/18

Left In: -77.708 ± 1.025 χ^2/NDF : 239.5/17

Left: -75.396 ± 0.699 χ^2/NDF : 946.2/37

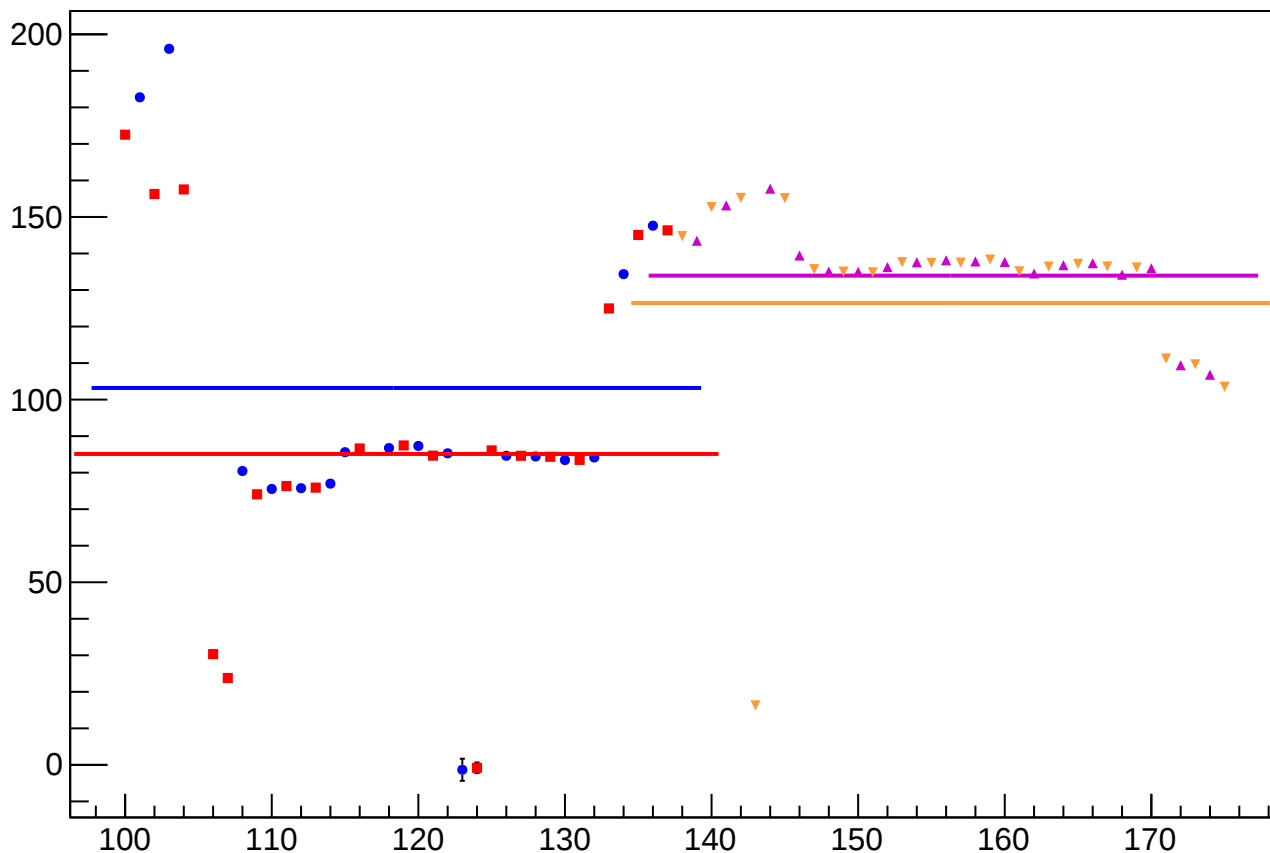
Right: -75.215 ± 0.749 χ^2/NDF : 1277.4/35

In: -77.789 ± 0.739 χ^2/NDF : 897.7/34

Out: -73.036 ± 0.708 χ^2/NDF : 1304.4/38

All: -75.312 ± 0.511 χ^2/NDF : 2223.6/73

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: 126.430 $\pm$ 0.046 χ^2 /NDF: 396332.7/19

Right Out: 85.121 $\pm$ 0.064 χ^2 /NDF: 423521.4/18

Left In: 133.937 $\pm$ 0.048 χ^2 /NDF: 74580.0/17

Left: 130.047 $\pm$ 0.033 χ^2 /NDF: 483717.9/37

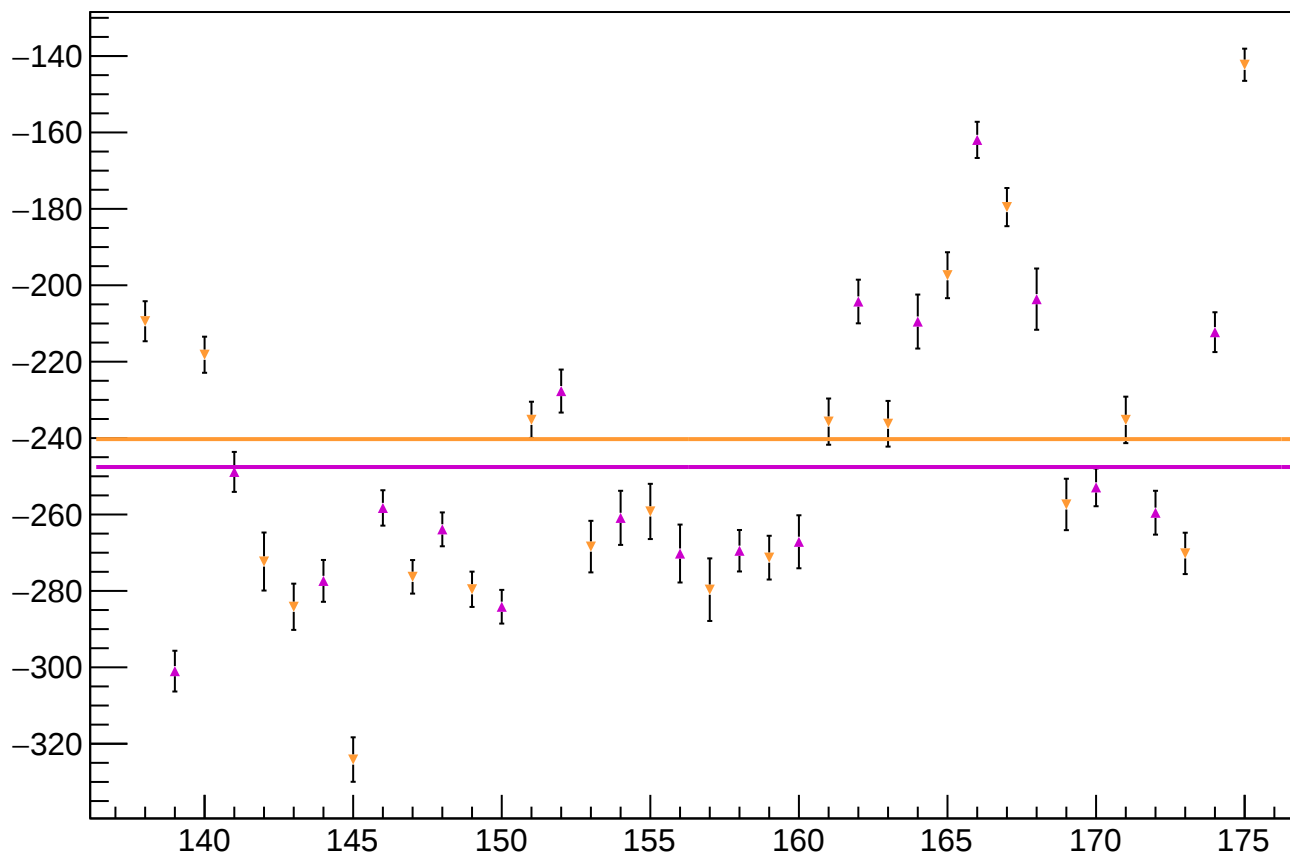
Right: 93.266 $\pm$ 0.047 χ^2 /NDF: 733347.5/35

In: 124.235 $\pm$ 0.040 χ^2 /NDF: 478990.7/34

Out: 112.261 $\pm$ 0.037 χ^2 /NDF: 1095931.5/38

All: 117.908 $\pm$ 0.027 χ^2 /NDF: 1623459.4/73

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: -240.267+/-1.243 χ^2/NDF :1330.6/19

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

Left In: -247.571+/-1.295 χ^2/NDF :761.8/17

Left: -243.769+/-0.897 χ^2/NDF : 2109.0/37

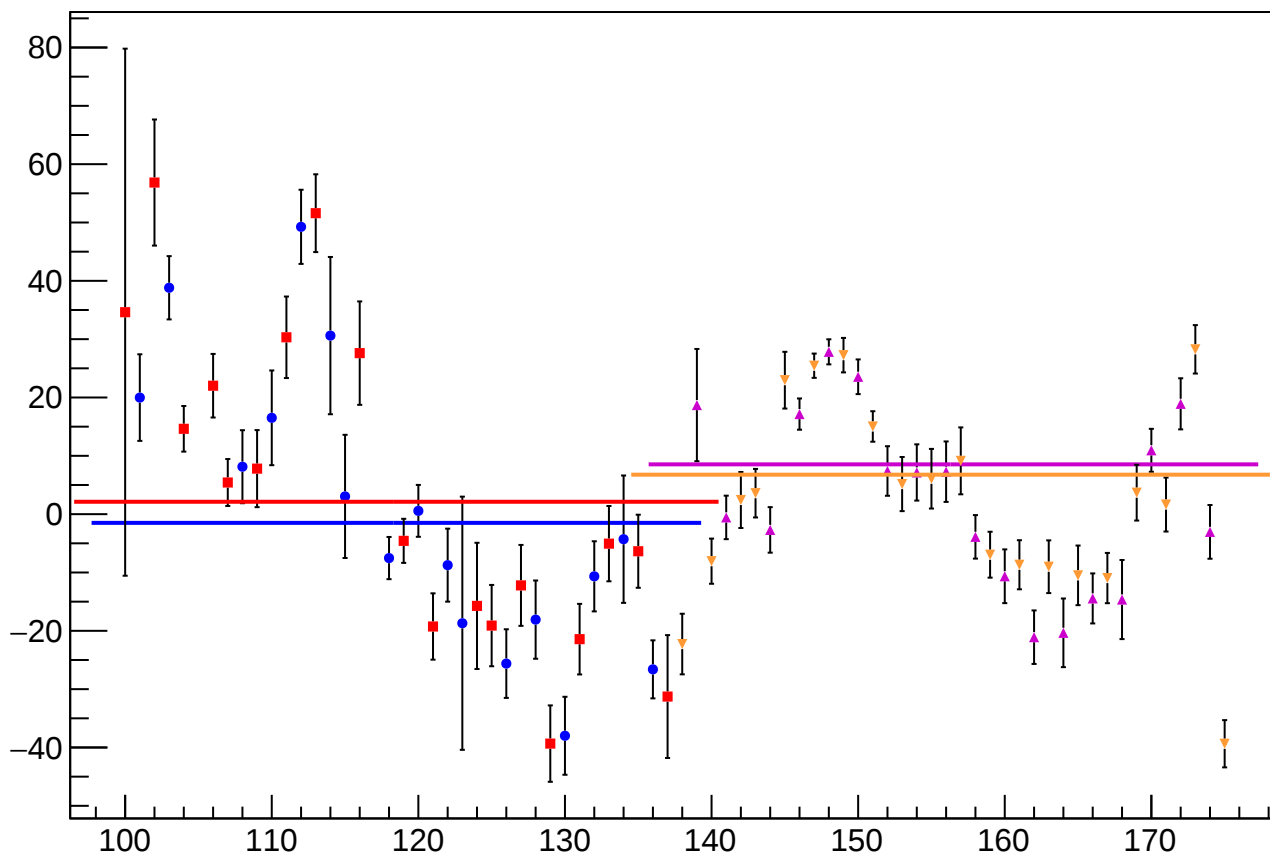
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -247.571+/-1.295 χ^2/NDF :761.8/17

Out: -240.267+/-1.243 χ^2/NDF :1330.6/19

All: -243.769+/-0.897 χ^2/NDF : 2109.0/37

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.492 ± 1.513 χ^2/NDF : 226.1/16

Left Out: 6.769 ± 0.869 χ^2/NDF : 421.6/19

Right Out: 2.127 ± 1.402 χ^2/NDF : 232.6/18

Left In: 8.538 ± 0.914 χ^2/NDF : 278.9/17

Left: 7.609 ± 0.630 χ^2/NDF : 702.5/37

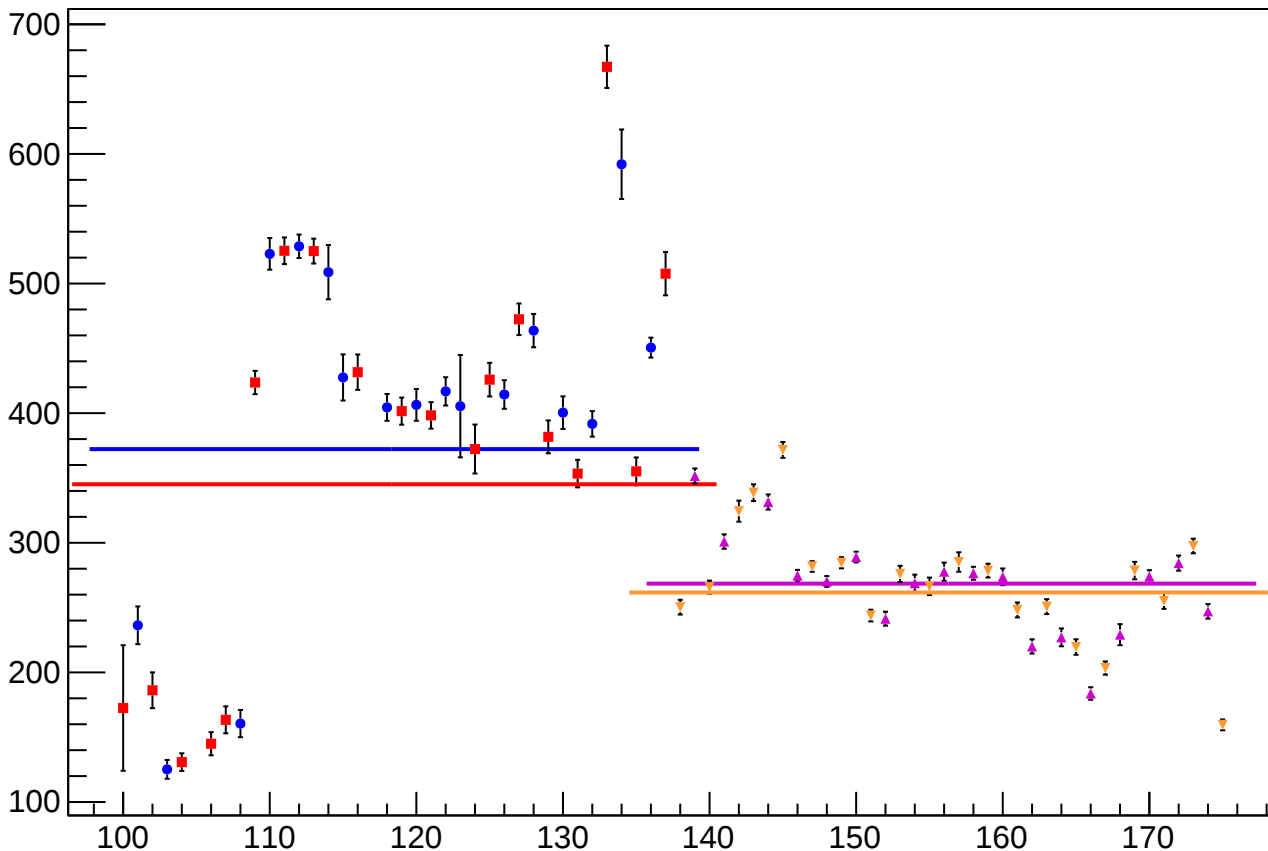
Right: 0.455 ± 1.029 χ^2/NDF : 461.8/35

In: 5.858 ± 0.782 χ^2/NDF : 537.2/34

Out: 5.482 ± 0.738 χ^2/NDF : 662.1/38

All: 5.659 ± 0.537 χ^2/NDF : 1199.5/73

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 372.263+/-2.759 χ^2/NDF : 2433.1/16

Left Out: 261.656+/-1.229 χ^2/NDF :1450.2/19

Right Out: 345.135+/-2.562 χ^2/NDF : 3416.5/18

Left In: 268.486+/-1.276 χ^2/NDF :882.6/17

Left: 264.943+/-0.885 χ^2/NDF : 2347.6/37

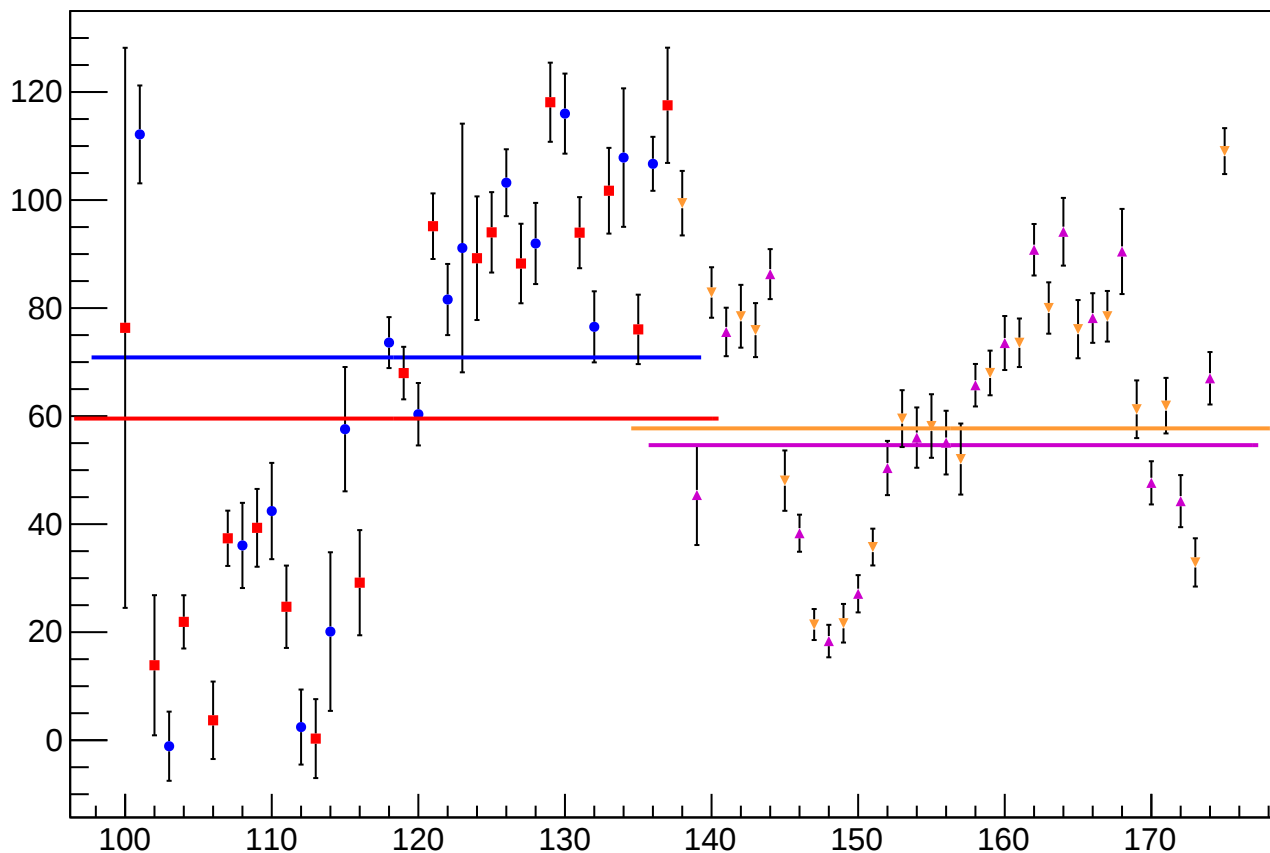
Right: 357.695+/-1.878 χ^2/NDF : 5901.5/35

In: 286.763+/-1.158 χ^2/NDF :4481.0/34

Out: 277.267+/-1.108 χ^2/NDF :5729.7/38

All: 281.805+/-0.801 χ^2/NDF : 10245.8/73

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: 57.729 $\pm$ 1.021 χ^2 /NDF: 660.7/19

Right Out: 59.546 $\pm$ 1.633 χ^2 /NDF: 490.9/18

Left In: 54.625 $\pm$ 1.070 χ^2 /NDF: 482.7/17

Left: 56.250 $\pm$ 0.739 χ^2 /NDF: 1147.8/37

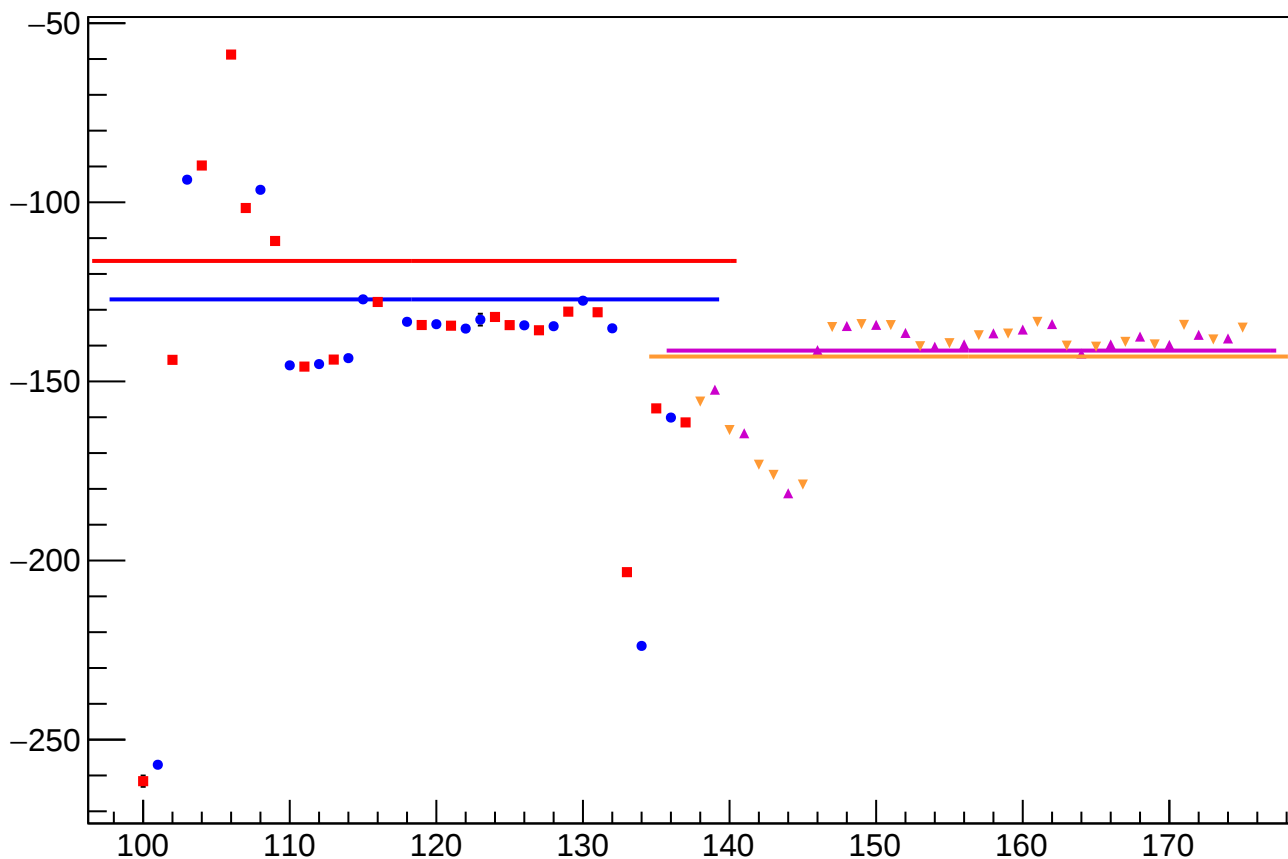
Right: 64.838 $\pm$ 1.192 χ^2 /NDF: 940.3/35

In: 59.070 $\pm$ 0.912 χ^2 /NDF: 972.7/34

Out: 58.239 $\pm$ 0.866 χ^2 /NDF: 1152.4/38

All: 58.633 $\pm$ 0.628 χ^2 /NDF: 2125.6/73

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: -143.055+/-0.049 χ^2/NDF : 73370.4/19

Right Out: -116.369+/-0.083 χ^2/NDF : 167595.6/18

Left In: -141.393+/-0.050 χ^2/NDF : 44804.3/17

Left: -142.237+/-0.035 χ^2/NDF : 118731.7/37

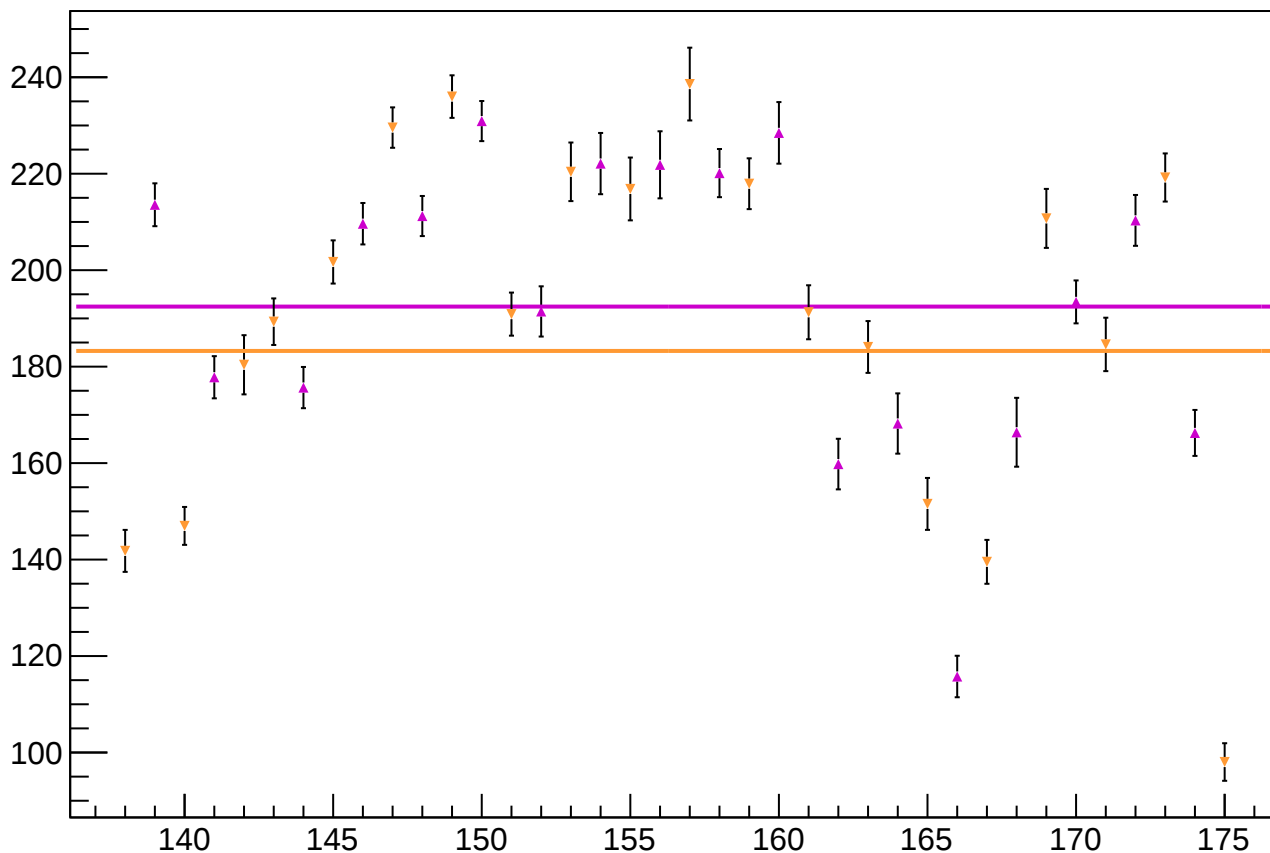
Right: -121.332+/-0.061 χ^2/NDF : 342408.2/35

In: -137.970+/-0.044 χ^2/NDF : 231278.6/34

Out: -136.060+/-0.042 χ^2/NDF : 317386.8/38

All: -136.986+/-0.030 χ^2/NDF : 549646.0/73

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 183.256 $\pm$ 1.108 χ^2/NDF :1303.8/19

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

Left In: 192.452 $\pm$ 1.162 χ^2/NDF :700.2/17

Left: 187.636 $\pm$ 0.802 χ^2/NDF : 2036.8/37

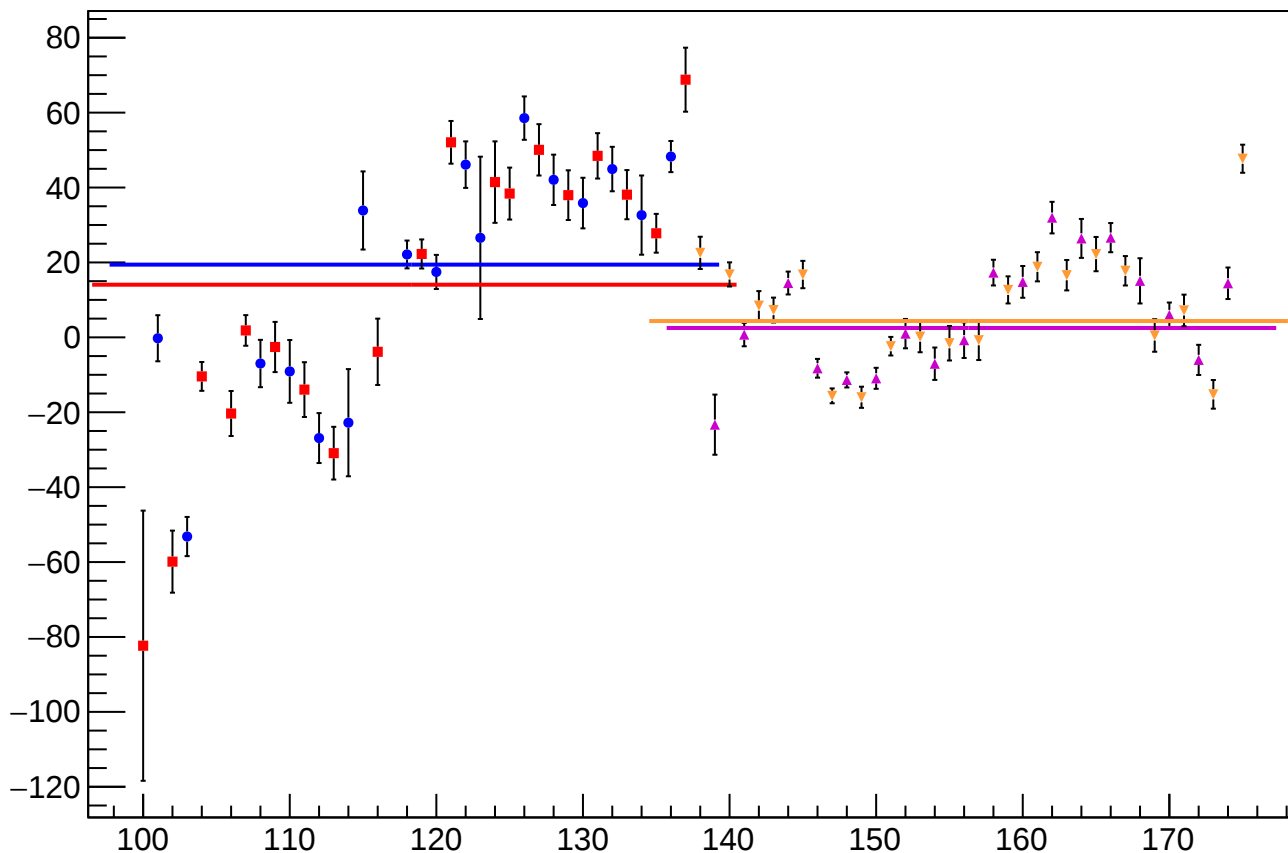
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 192.452 $\pm$ 1.162 χ^2/NDF :700.2/17

Out: 183.256 $\pm$ 1.108 χ^2/NDF :1303.8/19

All: 187.636 $\pm$ 0.802 χ^2/NDF : 2036.8/37

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.416 ± 1.480 $\chi^2/\text{NDF}: 441.1/16$

Left Out: 4.354 ± 0.784 $\chi^2/\text{NDF}: 426.7/19$

Right Out: 14.055 ± 1.392 $\chi^2/\text{NDF}: 436.5/18$

Left In: 2.501 ± 0.828 $\chi^2/\text{NDF}: 273.6/17$

Left: 3.479 ± 0.569 $\chi^2/\text{NDF}: 702.9/37$

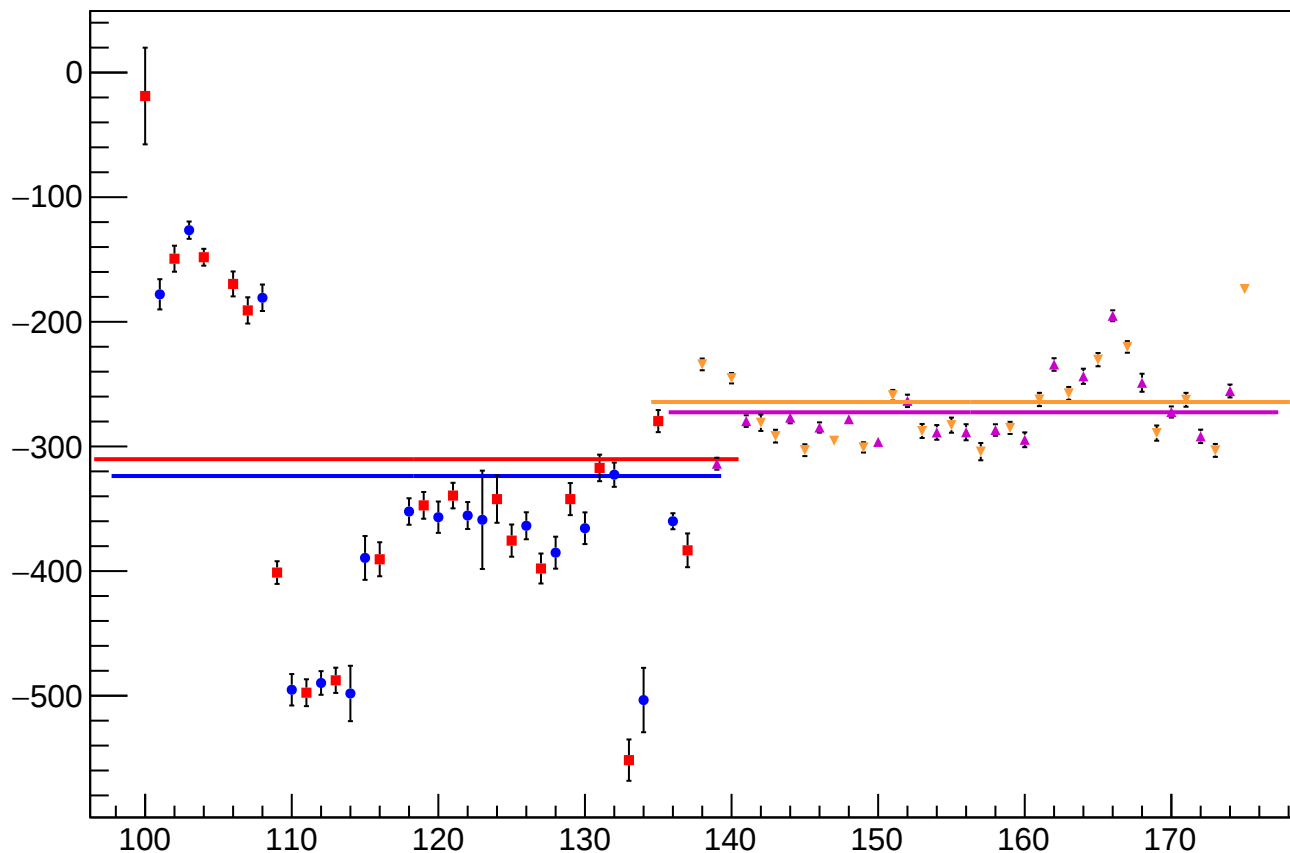
Right: 16.572 ± 1.014 $\chi^2/\text{NDF}: 884.6/35$

In: 6.538 ± 0.723 $\chi^2/\text{NDF}: 814.2/34$

Out: 6.688 ± 0.683 $\chi^2/\text{NDF}: 900.1/38$

All: 6.617 ± 0.496 $\chi^2/\text{NDF}: 1714.3/73$

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -323.721+/-2.668 χ^2/NDF : 1850.8/16

Left Out: -264.331+/-1.102 χ^2/NDF : 1131.0/19

Right Out: -310.223+/-2.523 χ^2/NDF : 2300.0/18

Left In: -272.572+/-1.150 χ^2/NDF : 592.6/17

Left: -268.278+/-0.796 χ^2/NDF : 1750.3/37

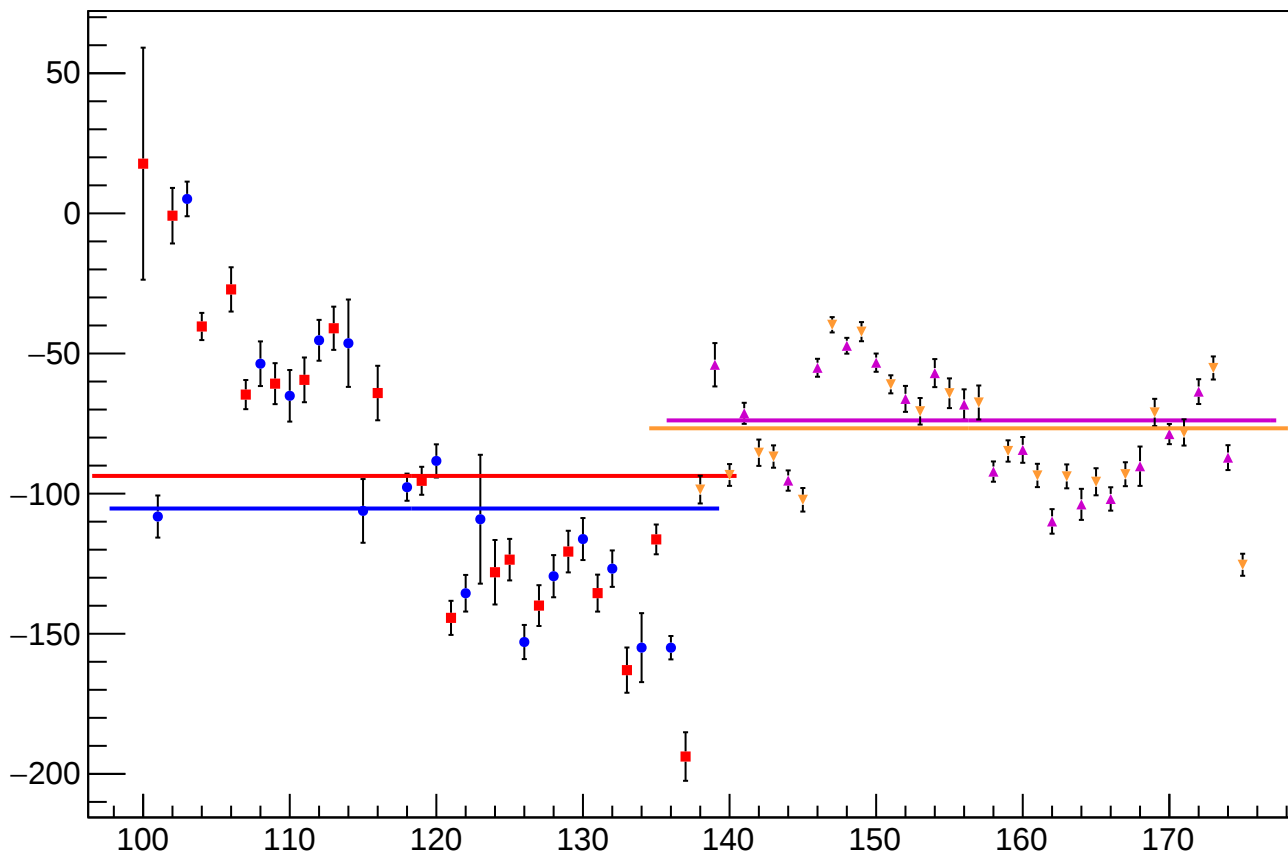
Right: -316.595+/-1.833 χ^2/NDF : 4164.2/35

In: -280.581+/-1.056 χ^2/NDF : 2753.3/34

Out: -271.685+/-1.010 χ^2/NDF : 3708.8/38

All: -275.936+/-0.730 χ^2/NDF : 6499.2/73

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: -76.690 ± 0.918 χ^2/NDF : 651.4/19

Right Out: -93.680 ± 1.612 χ^2/NDF : 826.5/18

Left In: -73.867 ± 0.968 χ^2/NDF : 415.4/17

Left: -75.353 ± 0.666 χ^2/NDF : 1071.2/37

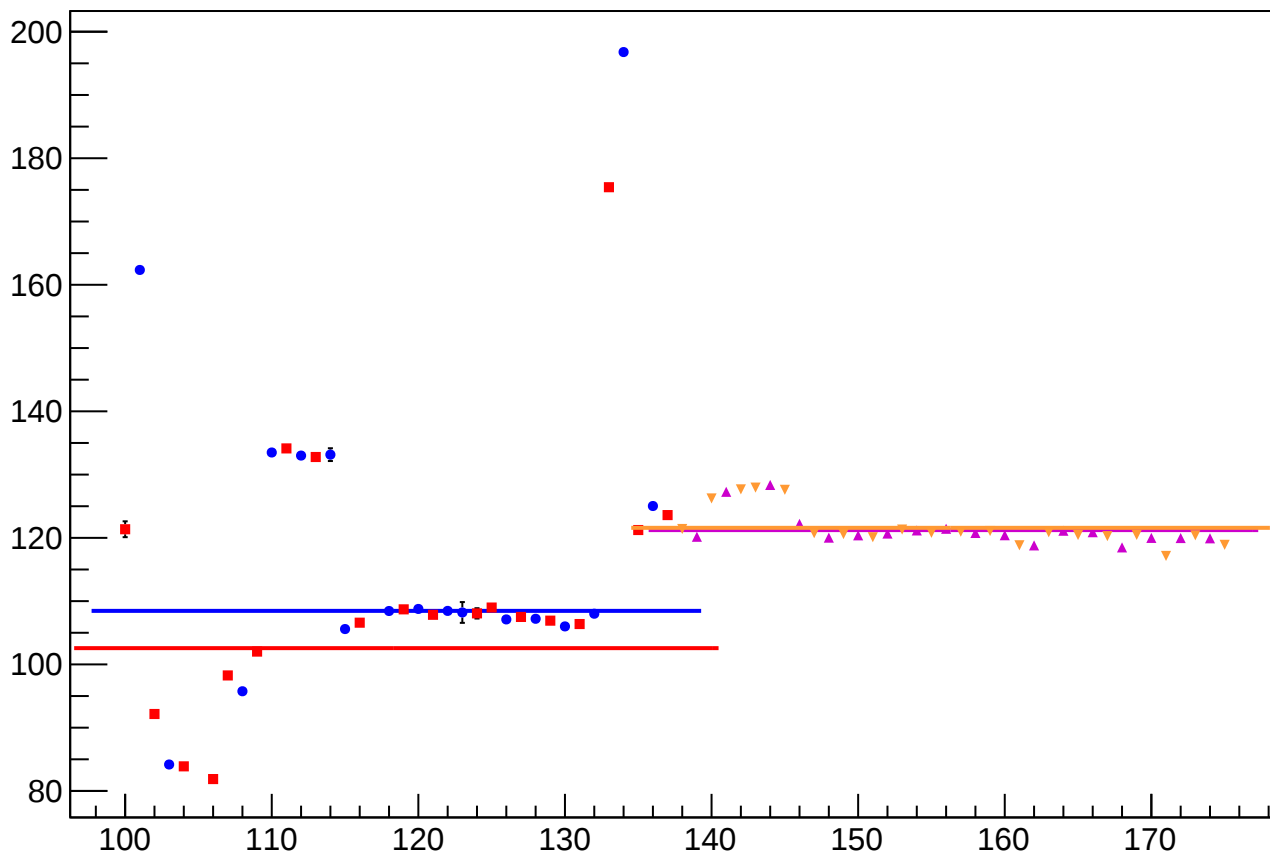
Right: -99.207 ± 1.167 χ^2/NDF : 1588.8/35

In: -81.611 ± 0.840 χ^2/NDF : 1412.7/34

Out: -80.855 ± 0.798 χ^2/NDF : 1561.8/38

All: -81.213 ± 0.579 χ^2/NDF : 2974.9/73

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 108.461+/-0.085 χ^2/NDF : 73302.1/16

Left Out: 121.586+/-0.044 χ^2/NDF : 4351.6/19

Right Out: 102.570+/-0.079 χ^2/NDF : 53143.8/18

Left In: 121.227+/-0.045 χ^2/NDF : 2880.9/17

Left: 121.411+/-0.032 χ^2/NDF : 7264.7/37

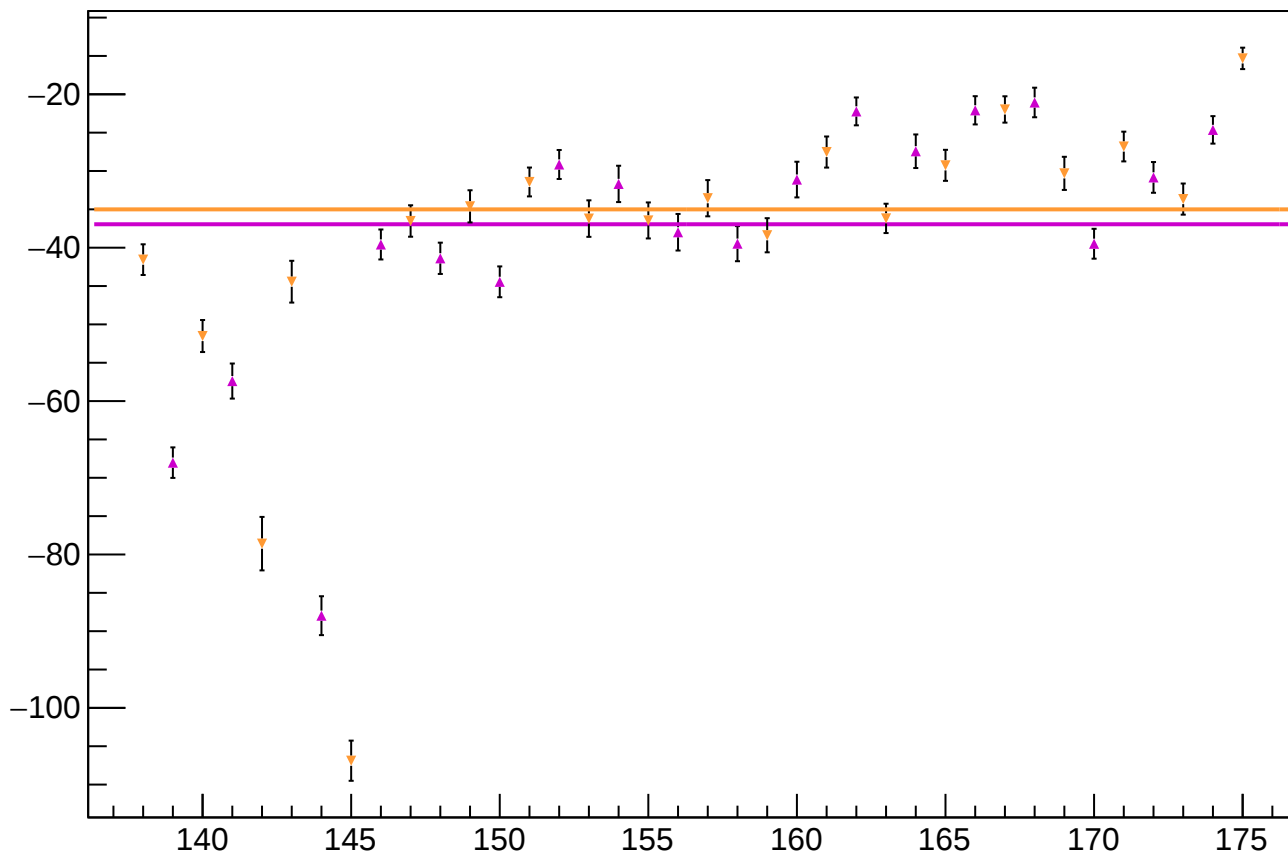
Right: 105.327+/-0.058 χ^2/NDF : 129018.0/35

In: 118.397+/-0.040 χ^2/NDF : 93856.7/34

Out: 117.086+/-0.039 χ^2/NDF : 101216.2/38

All: 117.721+/-0.028 χ^2/NDF : 195629.6/73

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: -35.004 ± 0.463 χ^2/NDF : 1303.7/19

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -36.945 ± 0.485 χ^2/NDF : 1054.6/17

Left: -35.930 ± 0.335 χ^2/NDF : 2366.7/37

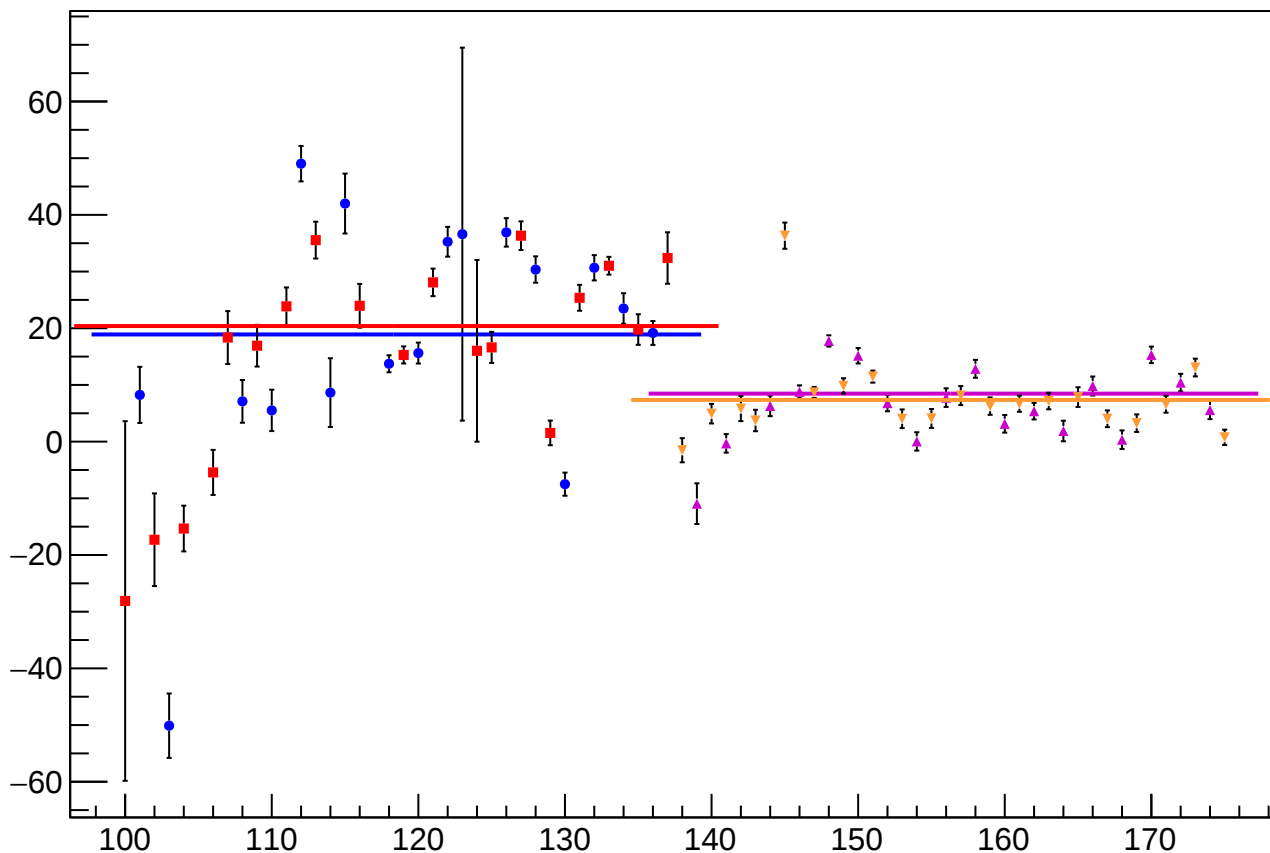
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -36.945 ± 0.485 χ^2/NDF : 1054.6/17

Out: -35.004 ± 0.463 χ^2/NDF : 1303.7/19

All: -35.930 ± 0.335 χ^2/NDF : 2366.7/37

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.906 $\pm$ 0.644 χ^2 /NDF: 618.9/16

Left Out: 7.356 $\pm$ 0.337 χ^2 /NDF: 259.3/19

Right Out: 20.390 $\pm$ 0.644 χ^2 /NDF: 365.3/18

Left In: 8.466 $\pm$ 0.355 χ^2 /NDF: 289.4/17

Left: 7.882 $\pm$ 0.245 χ^2 /NDF: 553.9/37

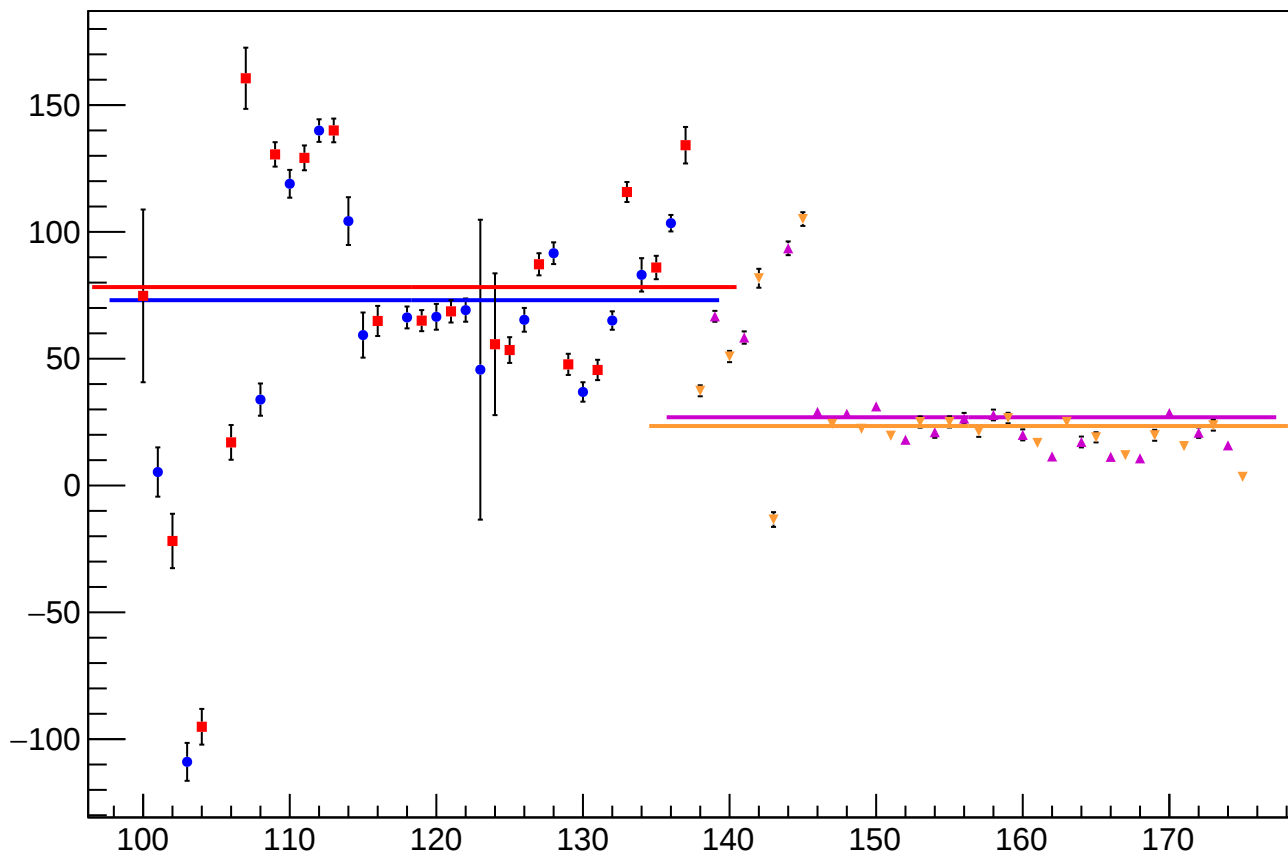
Right: 19.648 $\pm$ 0.455 χ^2 /NDF: 986.9/35

In: 10.905 $\pm$ 0.311 χ^2 /NDF: 1110.1/34

Out: 10.161 $\pm$ 0.299 χ^2 /NDF: 946.3/38

All: 10.518 $\pm$ 0.215 χ^2 /NDF: 2059.4/73

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: 23.455 $\pm$ 0.457 χ^2 /NDF:1803.9/19

Right Out: 78.241 $\pm$ 1.223 χ^2 /NDF: 1542.7/18

Left In: 26.917 $\pm$ 0.478 χ^2 /NDF:1439.8/17

Left: 25.108 $\pm$ 0.330 χ^2 /NDF: 3271.1/37

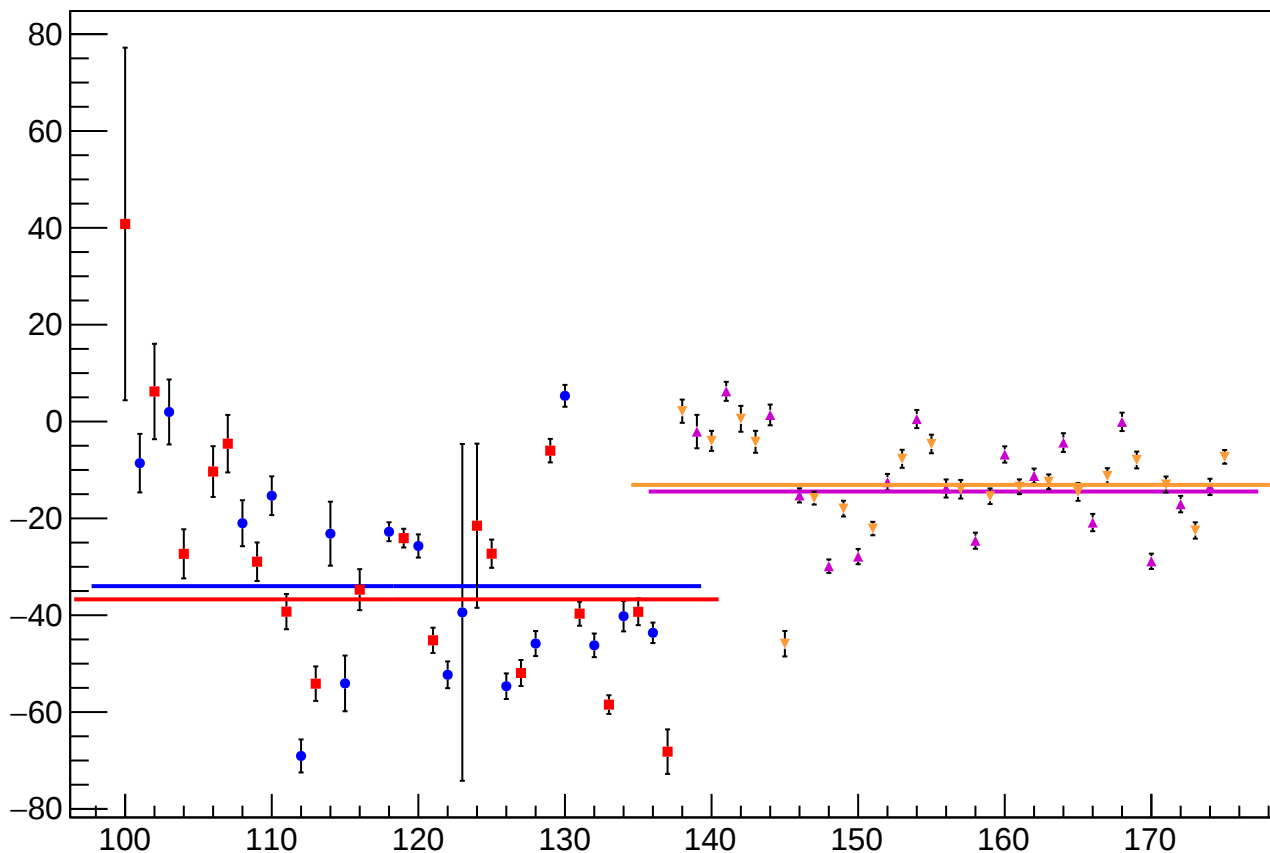
Right: 75.667 $\pm$ 0.866 χ^2 /NDF: 2751.5/35

In: 32.992 $\pm$ 0.445 χ^2 /NDF:3866.8/34

Out: 30.171 $\pm$ 0.428 χ^2 /NDF:5108.5/38

All: 31.525 $\pm$ 0.309 χ^2 /NDF: 8996.2/73

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.991 $\pm$ 0.736 χ^2/NDF : 719.8/16

Left Out: -13.082 $\pm$ 0.388 χ^2/NDF :401.0/19

Right Out: -36.719 $\pm$ 0.737 χ^2/NDF : 542.9/18

Left In: -14.457 $\pm$ 0.409 χ^2/NDF :685.7/17

Left: -13.733 $\pm$ 0.281 χ^2/NDF : 1092.6/37

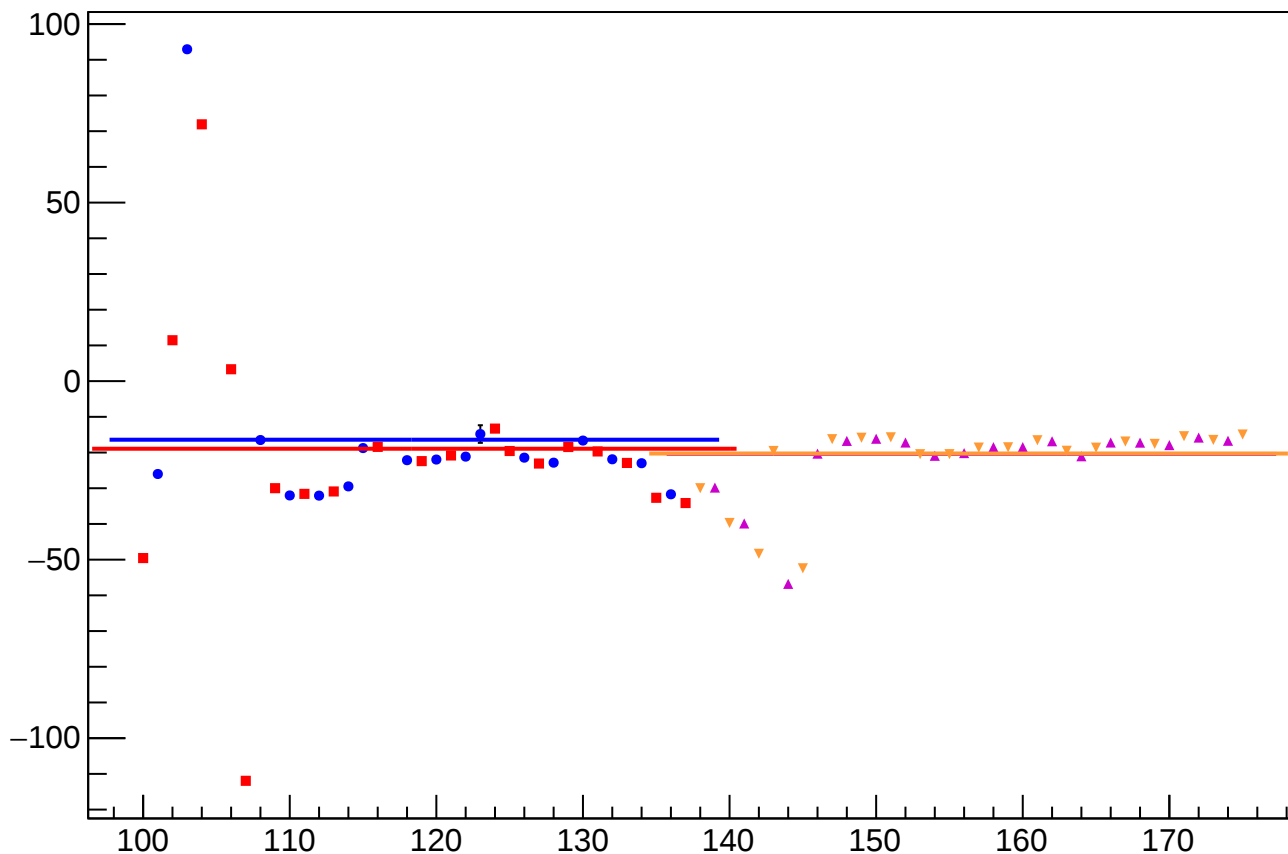
Right: -35.354 $\pm$ 0.521 χ^2/NDF : 1269.6/35

In: -19.063 $\pm$ 0.358 χ^2/NDF :1943.4/34

Out: -18.210 $\pm$ 0.343 χ^2/NDF :1749.8/38

All: -18.619 $\pm$ 0.248 χ^2/NDF : 3696.2/73

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: -20.280 ± 0.018 $\chi^2/\text{NDF}: 208086.2/19$

Right Out: -18.934 ± 0.045 $\chi^2/\text{NDF}: 434152.2/18$

Left In: -20.396 ± 0.019 $\chi^2/\text{NDF}: 170452.1/17$

Left: -20.337 ± 0.013 $\chi^2/\text{NDF}: 378558.6/37$

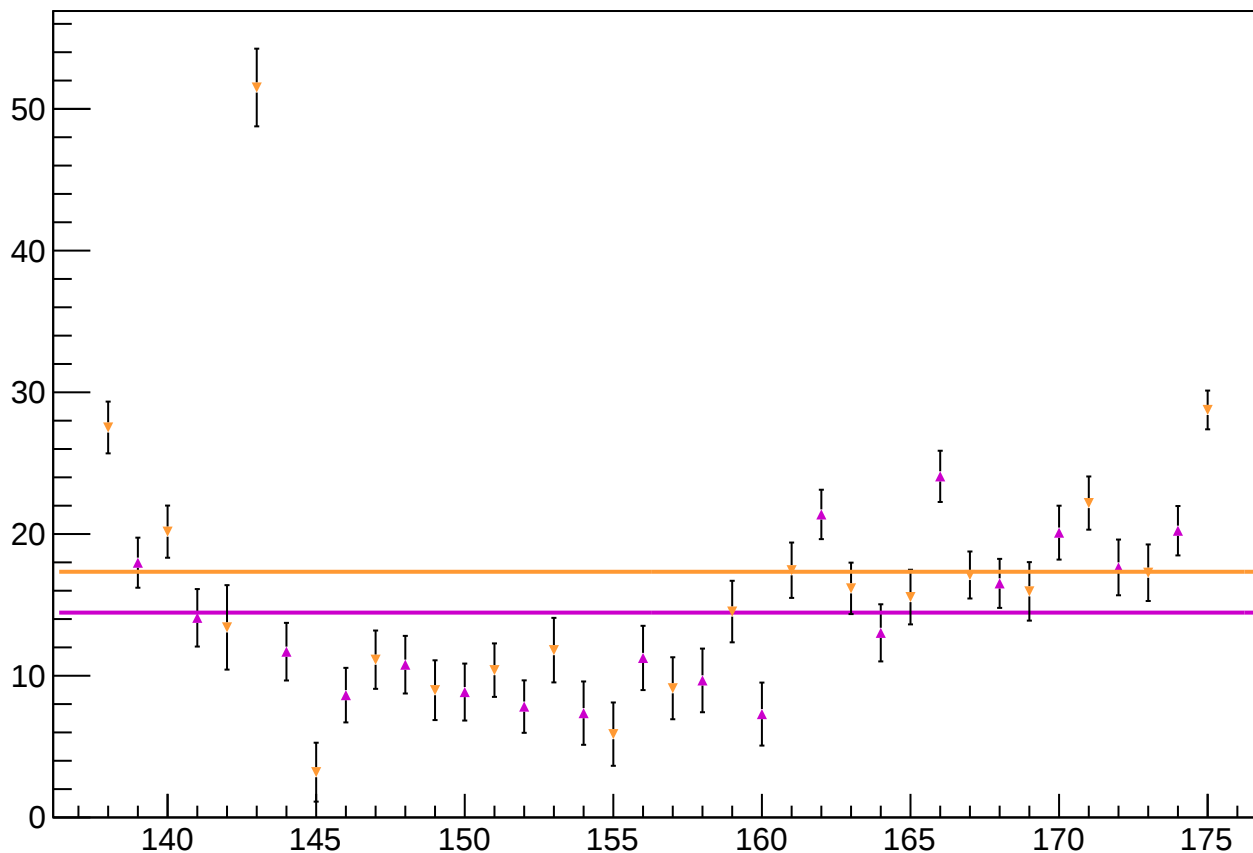
Right: -17.648 ± 0.032 $\chi^2/\text{NDF}: 910108.0/35$

In: -19.806 ± 0.017 $\chi^2/\text{NDF}: 651687.7/34$

Out: -20.094 ± 0.017 $\chi^2/\text{NDF}: 643000.9/38$

All: -19.953 ± 0.012 $\chi^2/\text{NDF}: 1294833.5/73$

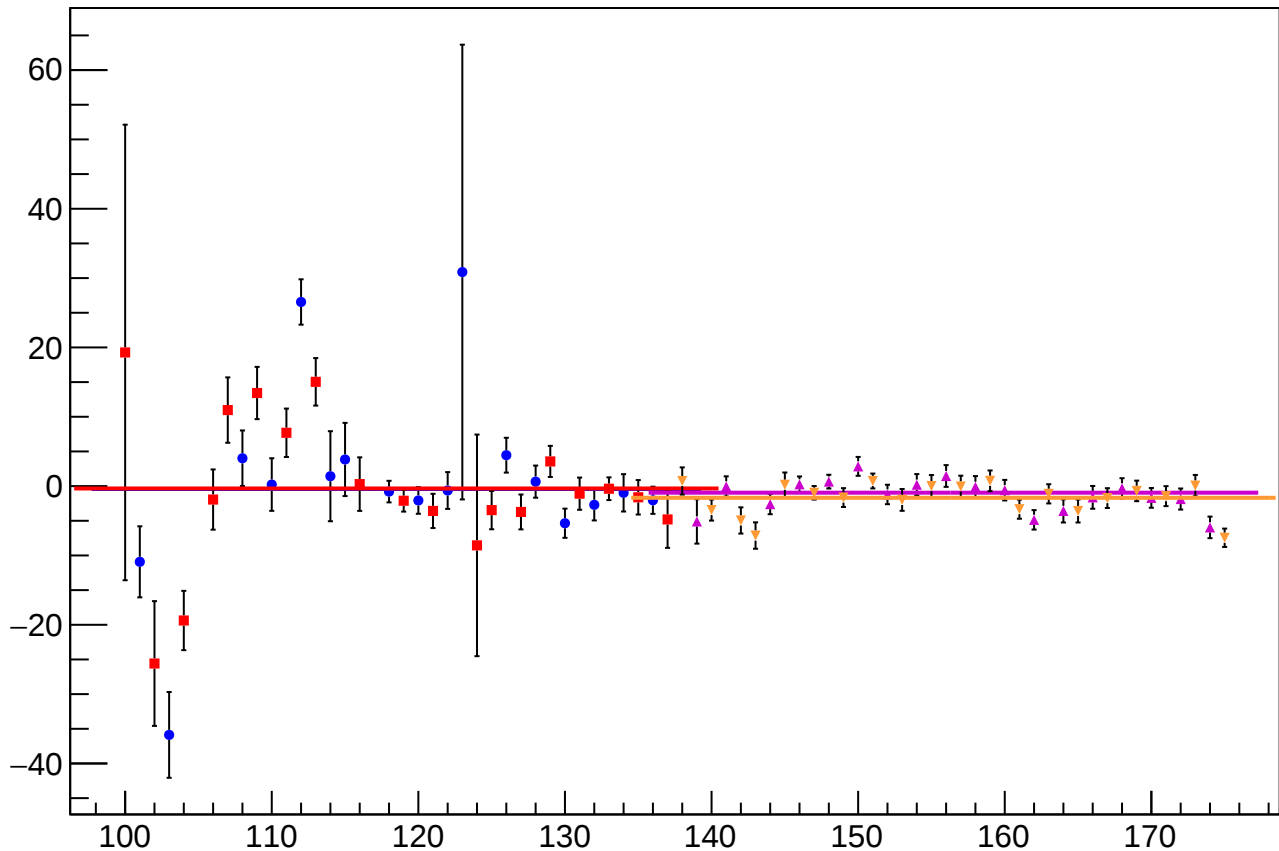
reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 17.338 $\pm$ 0.441 χ^2/NDF :401.3/19
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 14.455 $\pm$ 0.460 χ^2/NDF :134.3/17

Left: 15.955 $\pm$ 0.318 χ^2/NDF : 556.1/37
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 14.455 $\pm$ 0.460 χ^2/NDF :134.3/17
 Out: 17.338 $\pm$ 0.441 χ^2/NDF :401.3/19
 All: 15.955 $\pm$ 0.318 χ^2/NDF : 556.1/37

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: -1.685 ± 0.324 χ^2/NDF : 49.4/19

Right Out: -0.342 ± 0.658 χ^2/NDF : 83.7/18

Left In: -0.949 ± 0.340 χ^2/NDF : 39.8/17

Left: -1.335 ± 0.235 χ^2/NDF : 91.6/37

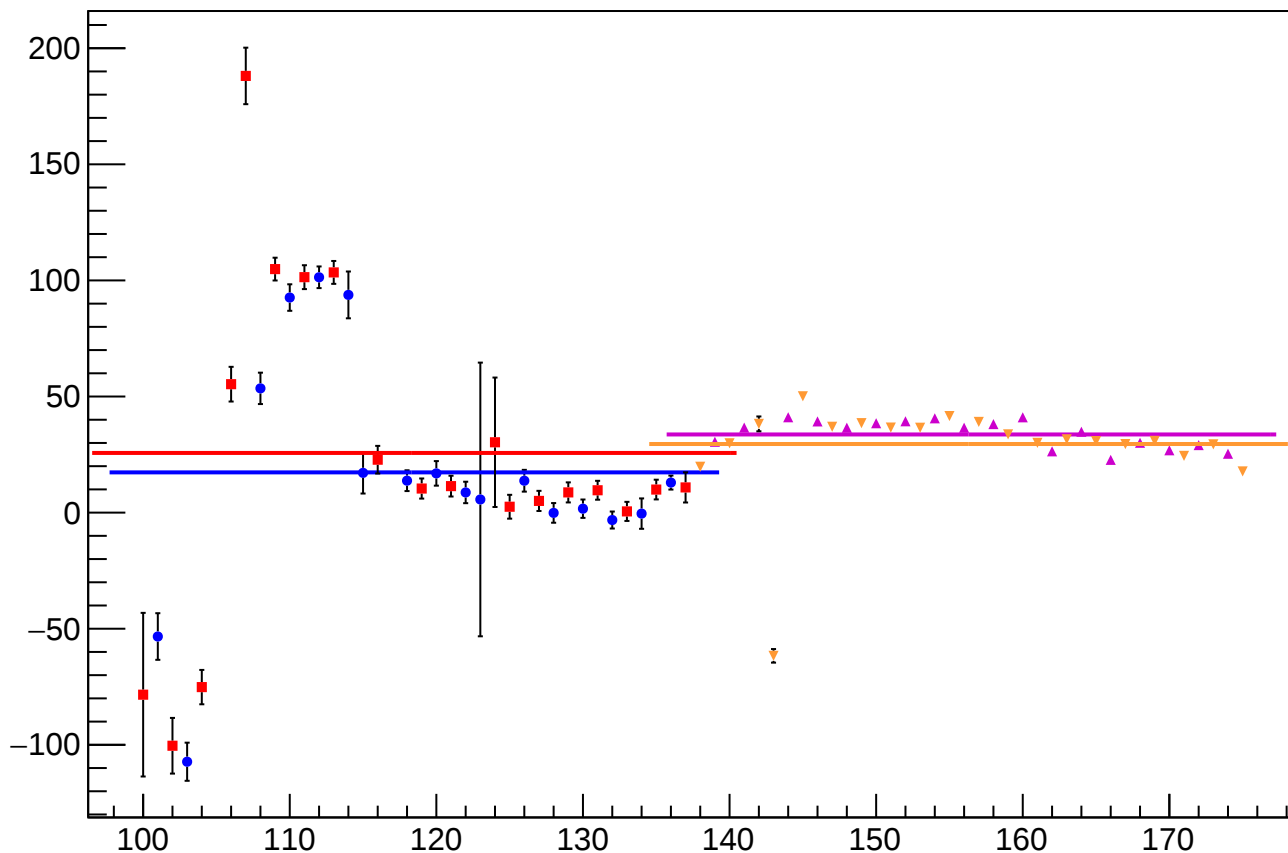
Right: -0.378 ± 0.463 χ^2/NDF : 203.7/35

In: -0.835 ± 0.302 χ^2/NDF : 160.3/34

Out: -1.423 ± 0.291 χ^2/NDF : 136.4/38

All: -1.139 ± 0.209 χ^2/NDF : 298.7/73

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: 29.547 ± 0.437 $\chi^2/\text{NDF}: 1299.0/19$

Right Out: 25.701 ± 1.243 $\chi^2/\text{NDF}: 1379.1/18$

Left In: 33.660 ± 0.455 $\chi^2/\text{NDF}: 171.1/17$

Left: 31.521 ± 0.315 $\chi^2/\text{NDF}: 1512.6/37$

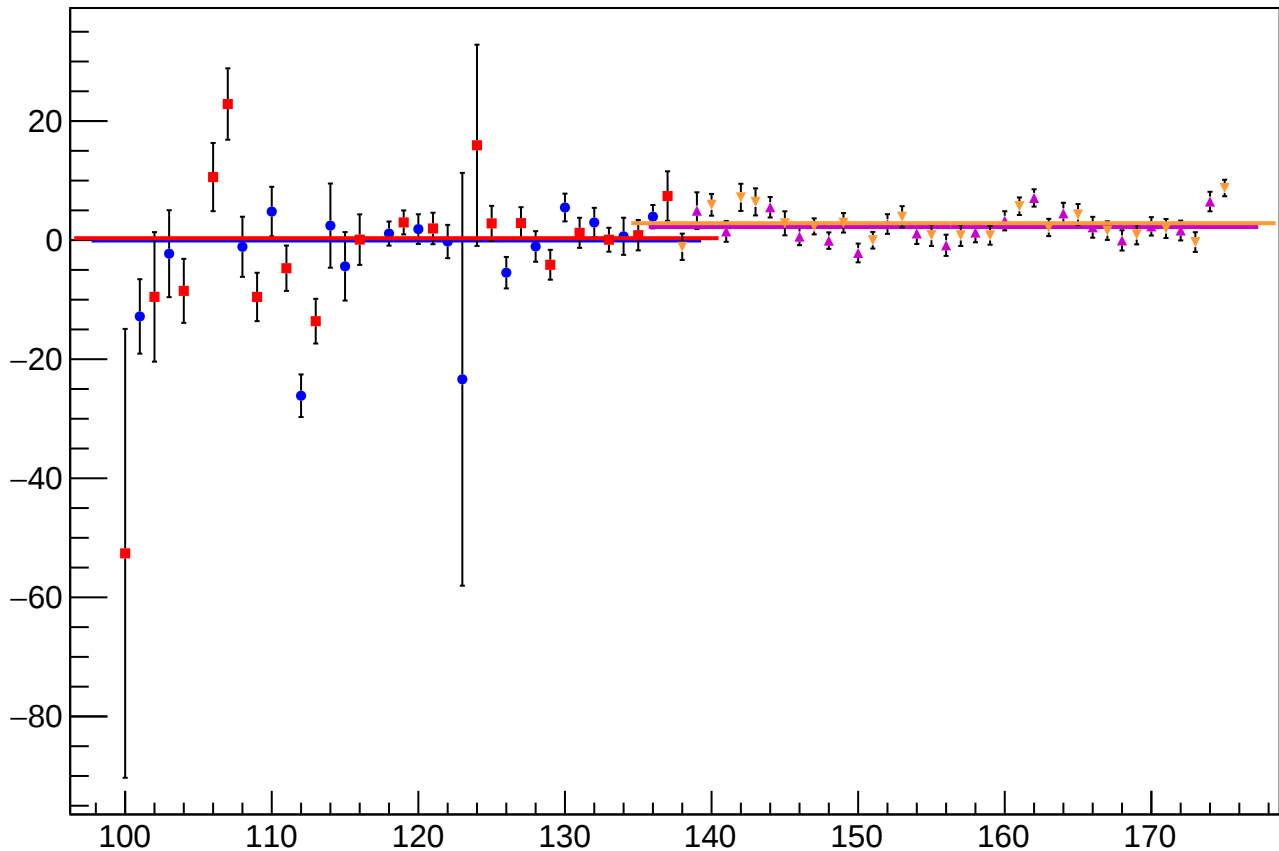
Right: 21.501 ± 0.877 $\chi^2/\text{NDF}: 2345.0/35$

In: 31.720 ± 0.427 $\chi^2/\text{NDF}: 1267.5/34$

Out: 29.124 ± 0.412 $\chi^2/\text{NDF}: 2686.6/38$

All: 30.376 ± 0.297 $\chi^2/\text{NDF}: 3973.2/73$

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: 2.843 ± 0.372 χ^2/NDF : 49.9/19

Right Out: 0.326 ± 0.749 χ^2/NDF : 55.1/18

Left In: 2.210 ± 0.391 χ^2/NDF : 42.1/17

Left: 2.542 ± 0.270 χ^2/NDF : 93.3/37

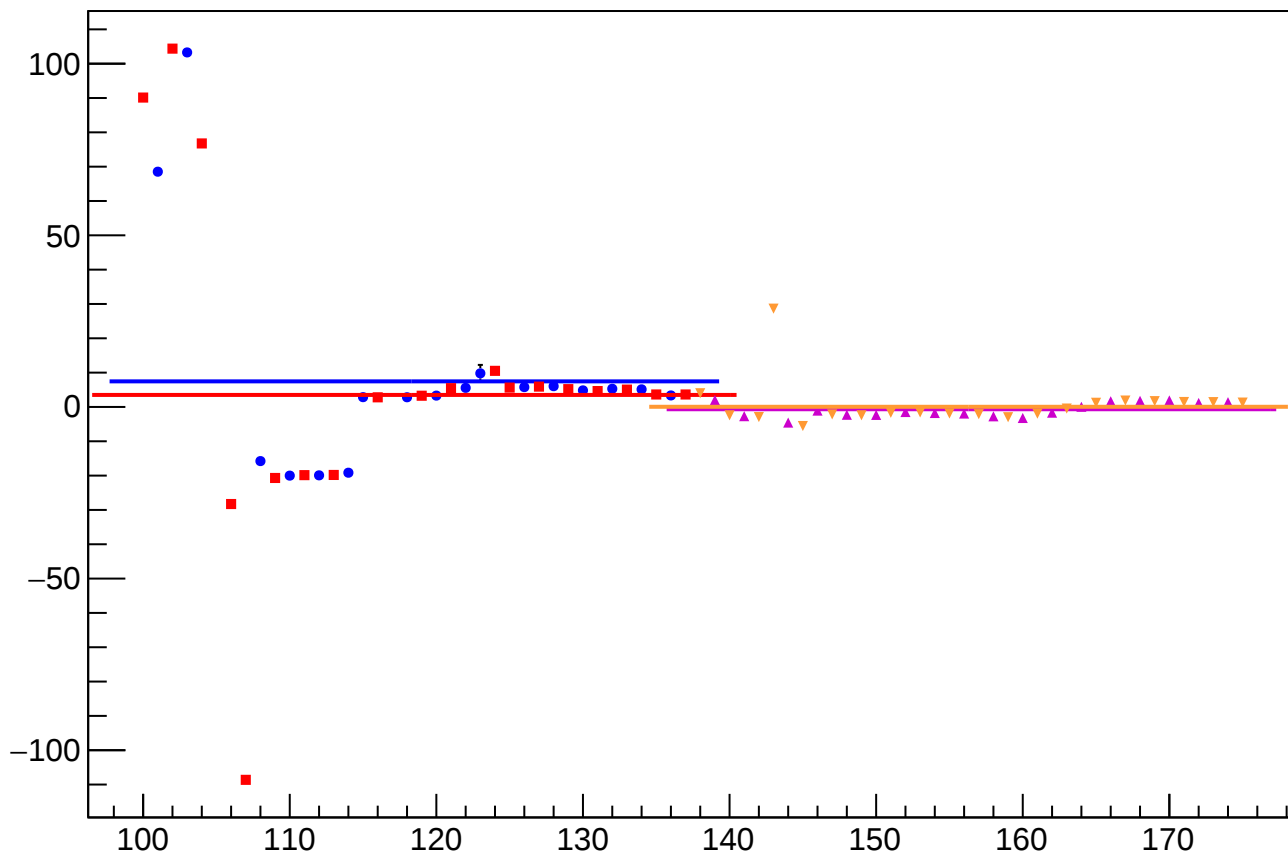
Right: 0.132 ± 0.528 χ^2/NDF : 131.8/35

In: 1.718 ± 0.346 χ^2/NDF : 125.9/34

Out: 2.345 ± 0.333 χ^2/NDF : 114.1/38

All: 2.043 ± 0.240 χ^2/NDF : 241.7/73

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: 0.049+/-0.017 χ^2/NDF : 77229.0/19

Right Out: 3.502+/-0.046 χ^2/NDF : 510579.7/18

Left In: -0.667+/-0.018 χ^2/NDF : 12630.4/17

Left: -0.301+/-0.012 χ^2/NDF : 90703.9/37

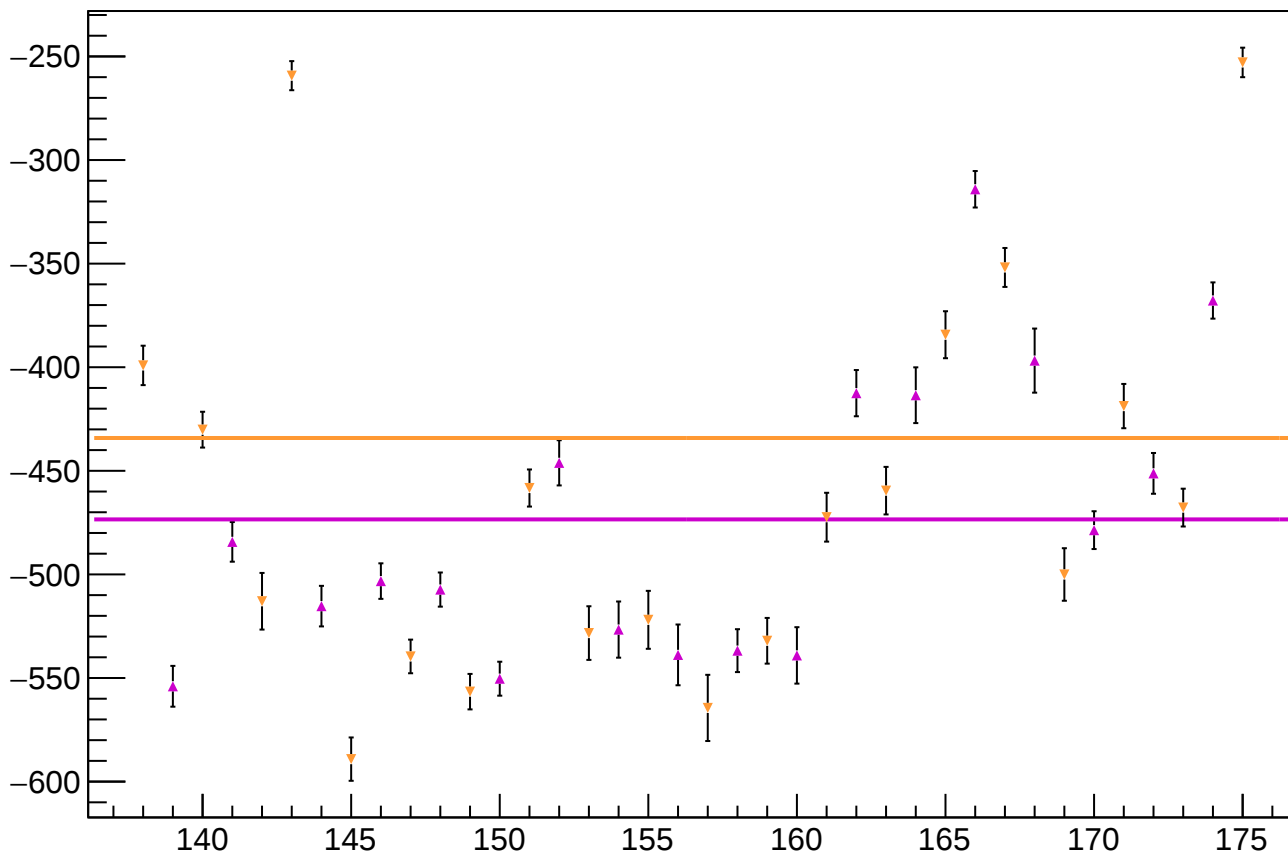
Right: 5.528+/-0.032 χ^2/NDF : 870492.1/35

In: 0.436+/-0.016 χ^2/NDF : 397569.0/34

Out: 0.482+/-0.016 χ^2/NDF : 592835.1/38

All: 0.459+/-0.011 χ^2/NDF : 990408.2/73

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: -434.157+/-2.212 χ^2/NDF :2306.9/19

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

Left In: -473.449+/-2.396 χ^2/NDF :858.6/17

Left: -452.237+/-1.626 χ^2/NDF : 3310.7/37

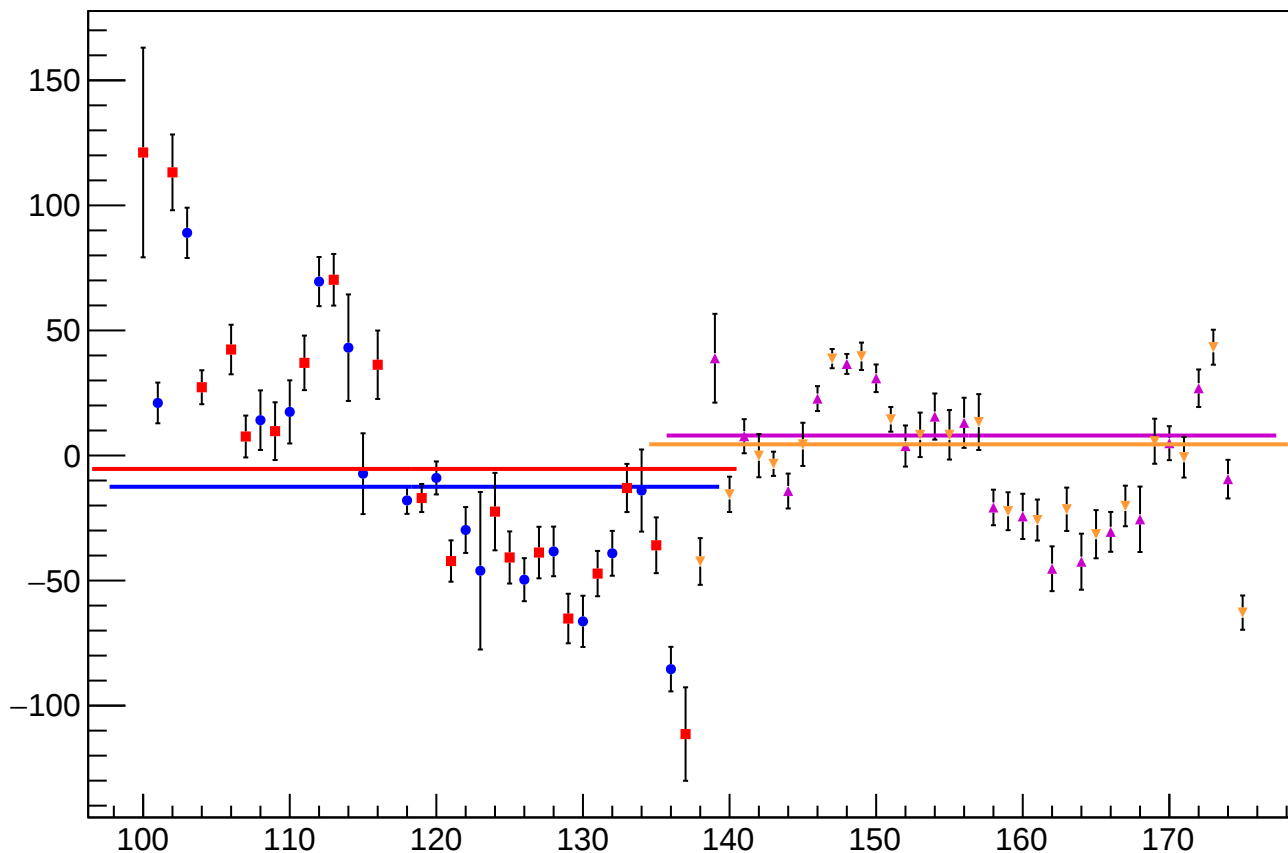
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -473.449+/-2.396 χ^2/NDF :858.6/17

Out: -434.157+/-2.212 χ^2/NDF :2306.9/19

All: -452.237+/-1.626 χ^2/NDF : 3310.7/37

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: 4.472 ± 1.553 χ^2/NDF : 347.8/19

Right Out: -5.363 ± 2.264 χ^2/NDF : 344.6/18

Left In: 7.992 ± 1.695 χ^2/NDF : 218.0/17

Left: 6.078 ± 1.145 χ^2/NDF : 568.2/37

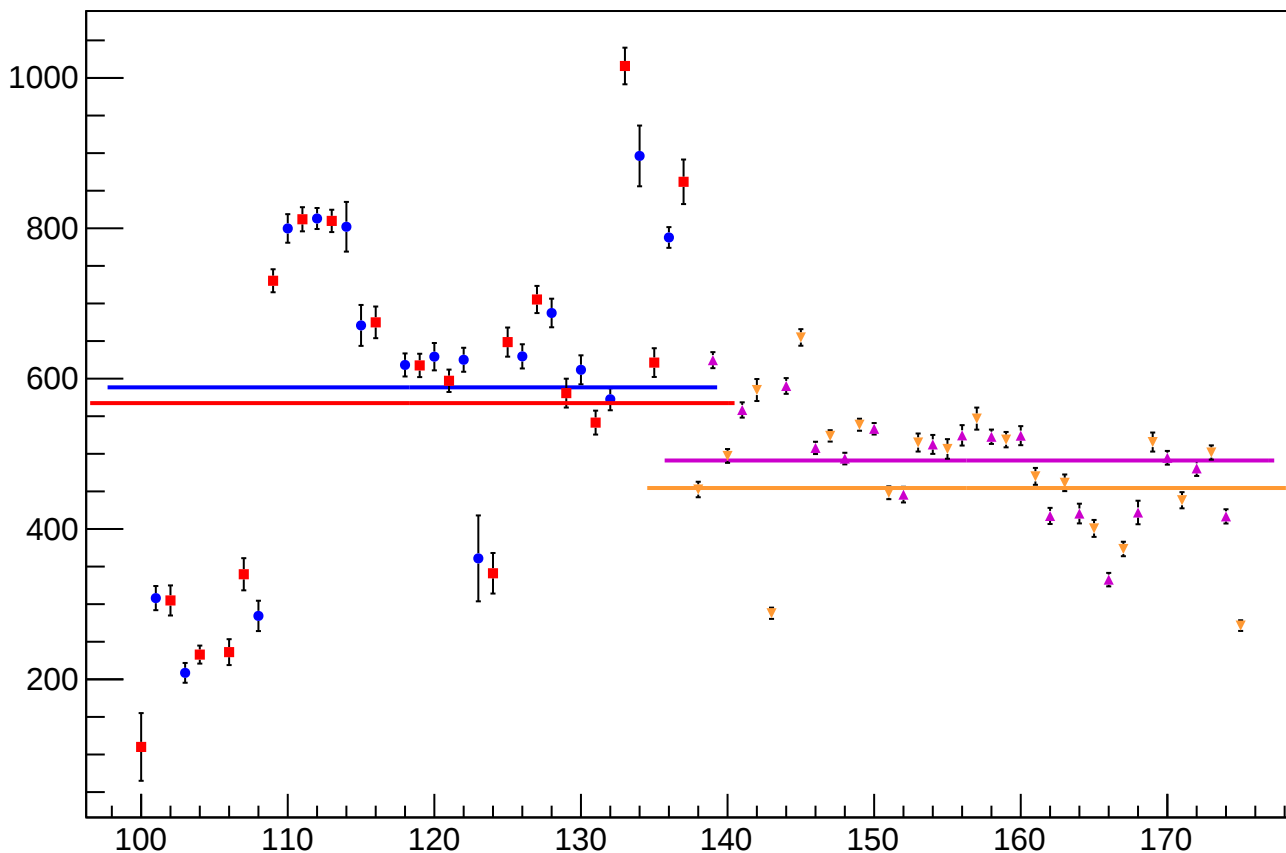
Right: -8.858 ± 1.617 χ^2/NDF : 690.5/35

In: 0.823 ± 1.367 χ^2/NDF : 610.2/34

Out: 1.327 ± 1.280 χ^2/NDF : 705.2/38

All: 1.091 ± 0.934 χ^2/NDF : 1315.5/73

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: 454.504 $\pm$ 2.202 χ^2 /NDF:2049.7/19

Right Out: 567.451 $\pm$ 4.137 χ^2 /NDF: 2784.8/18

Left In: 491.122 $\pm$ 2.368 χ^2 /NDF:840.6/17

Left: 471.485 $\pm$ 1.613 χ^2 /NDF: 3018.6/37

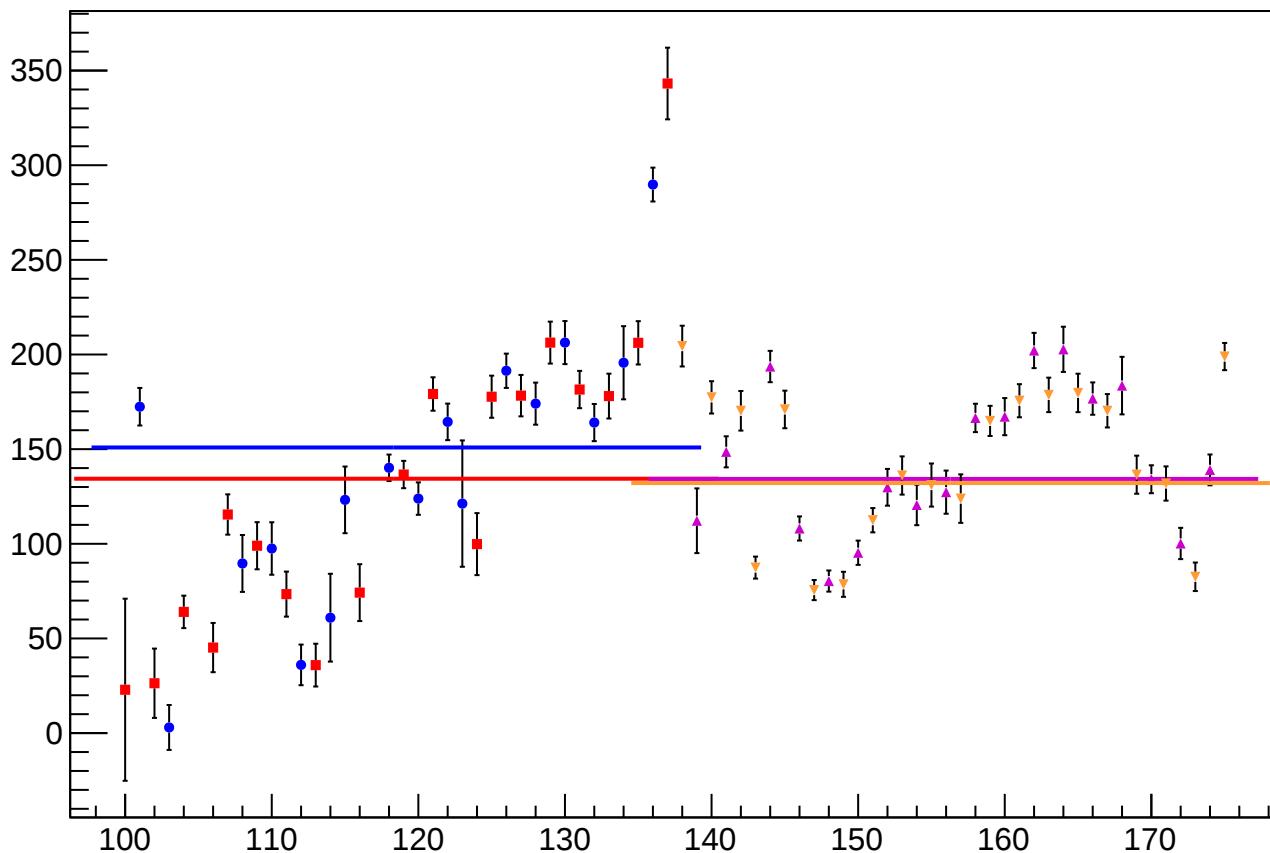
Right: 577.481 $\pm$ 2.988 χ^2 /NDF: 4927.3/35

In: 513.603 $\pm$ 2.077 χ^2 /NDF:3360.8/34

Out: 479.446 $\pm$ 1.944 χ^2 /NDF:5415.4/38

All: 495.398 $\pm$ 1.419 χ^2 /NDF: 8920.4/73

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: 132.092 $\pm$ 1.825 χ^2 /NDF: 588.4/19

Right Out: 134.381 $\pm$ 2.620 χ^2 /NDF: 584.9/18

Left In: 134.280 $\pm$ 1.985 χ^2 /NDF: 374.0/17

Left: 133.095 $\pm$ 1.344 χ^2 /NDF: 963.0/37

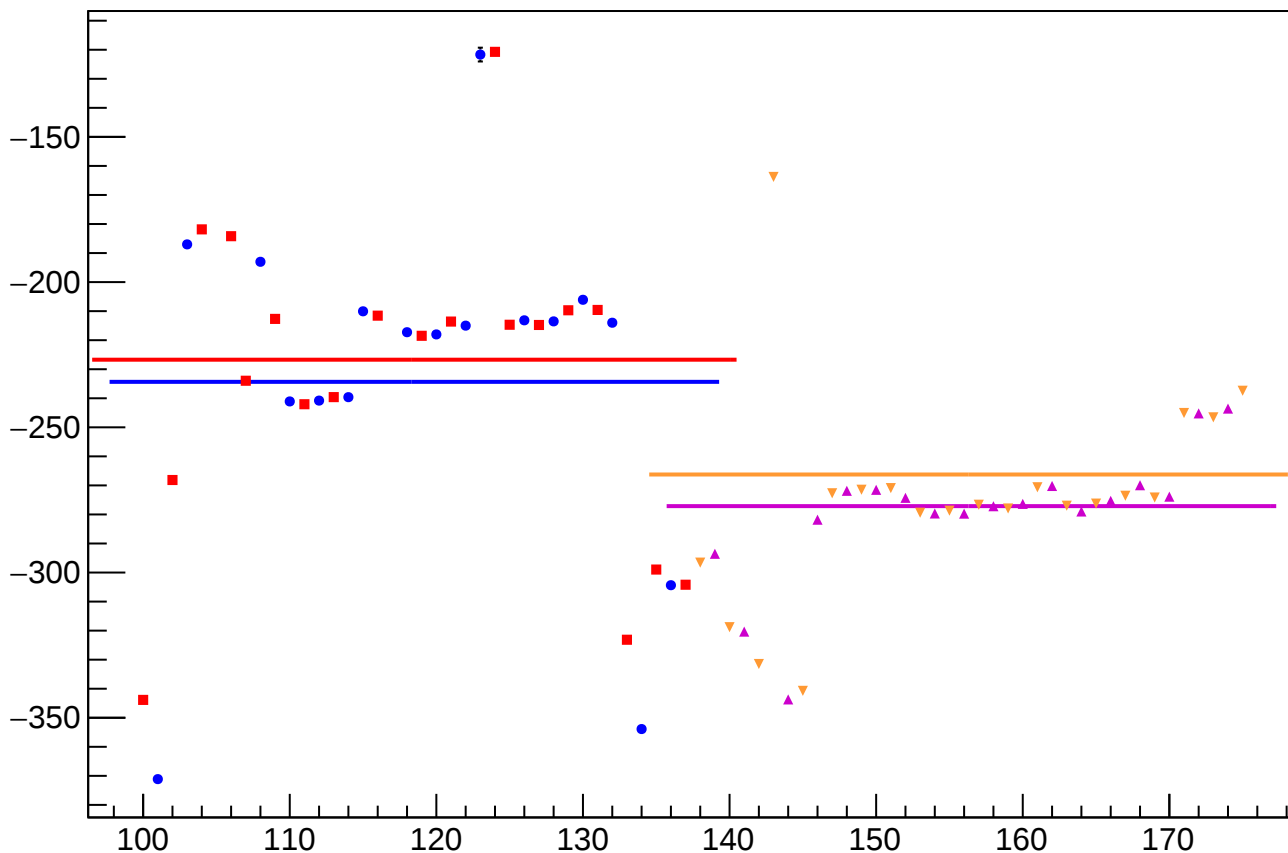
Right: 142.467 $\pm$ 1.871 χ^2 /NDF: 1239.2/35

In: 140.181 $\pm$ 1.594 χ^2 /NDF: 1033.7/34

Out: 132.840 $\pm$ 1.498 χ^2 /NDF: 1173.8/38

All: 136.283 $\pm$ 1.091 χ^2 /NDF: 2218.7/73

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: -266.243+/-0.089 χ^2/NDF :199267.0/19

Right Out: -226.716+/-0.141 χ^2/NDF : 99440.4/18

Left In: -277.132+/-0.093 χ^2/NDF :52766.6/17

Left: -271.429+/-0.064 χ^2/NDF : 259187.9/37

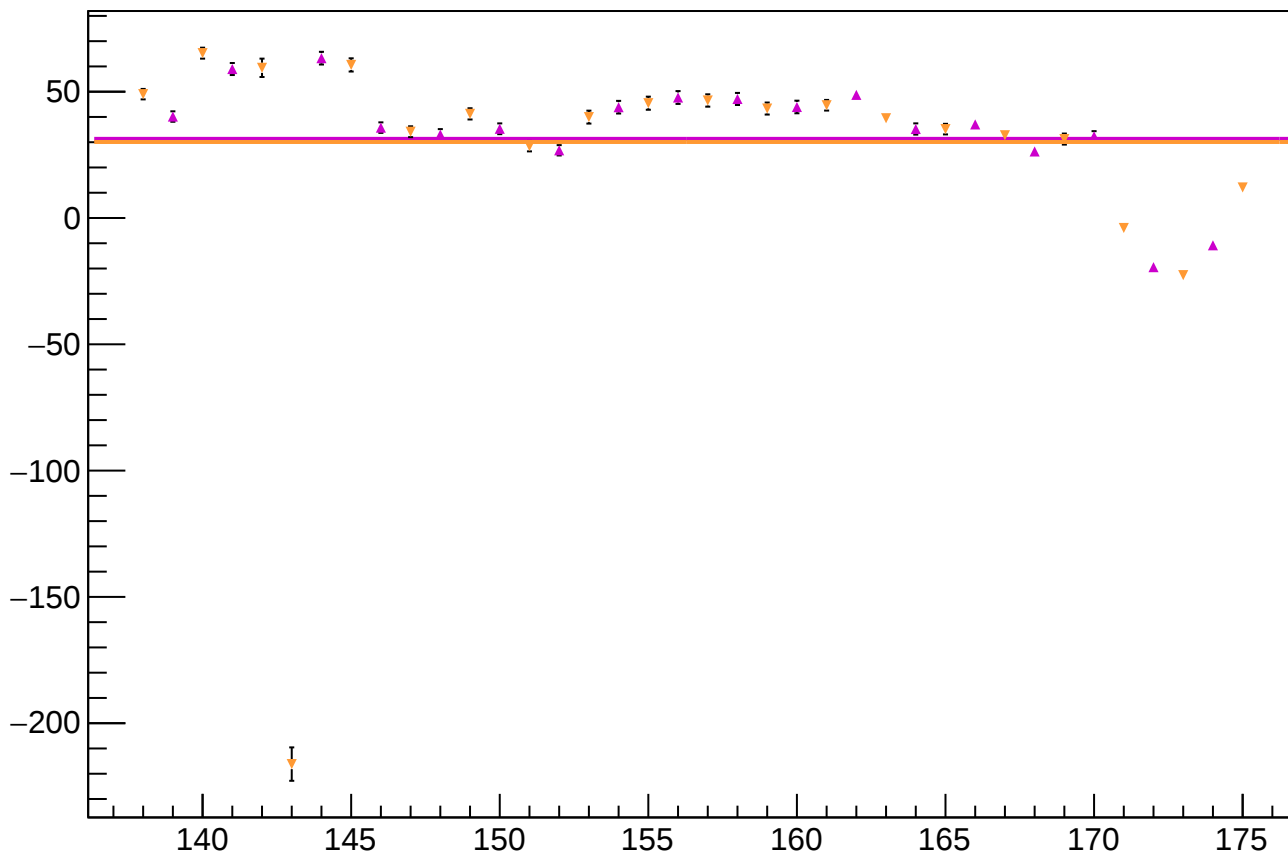
Right: -230.345+/-0.102 χ^2/NDF : 245990.9/35

In: -265.023+/-0.079 χ^2/NDF :257624.5/34

Out: -255.047+/-0.075 χ^2/NDF :354775.1/38

All: -259.797+/-0.054 χ^2/NDF : 620776.7/73

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 30.097+/-0.484 χ^2/NDF :3389.4/19

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

Left In: 31.327+/-0.499 χ^2/NDF :1883.9/17

Left: 30.693+/-0.348 χ^2/NDF : 5276.4/37

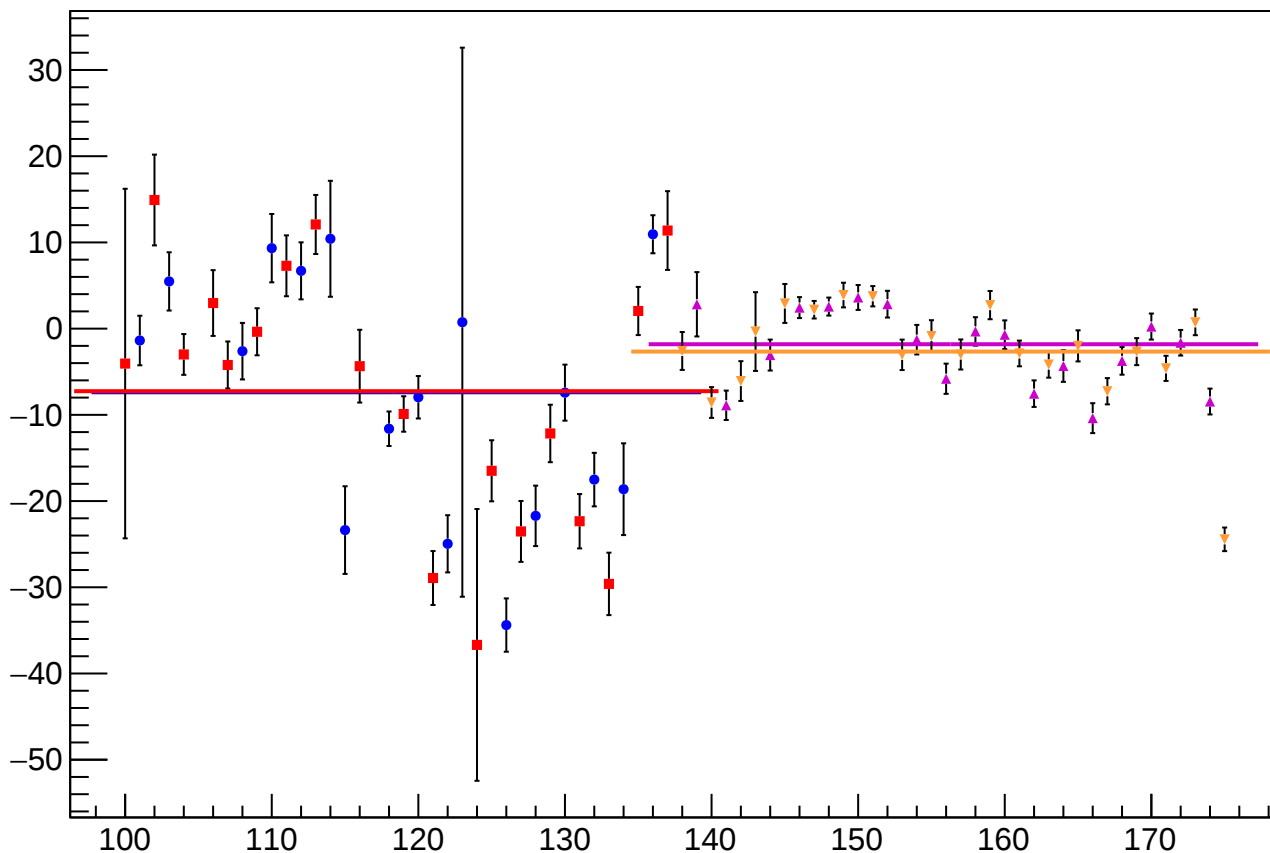
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 31.327+/-0.499 χ^2/NDF :1883.9/17

Out: 30.097+/-0.484 χ^2/NDF :3389.4/19

All: 30.693+/-0.348 χ^2/NDF : 5276.4/37

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: -2.661 ± 0.355 χ^2/NDF : 375.1/19

Right Out: -7.256 ± 0.762 χ^2/NDF : 257.3/18

Left In: -1.810 ± 0.368 χ^2/NDF : 141.6/17

Left: -2.251 ± 0.256 χ^2/NDF : 519.5/37

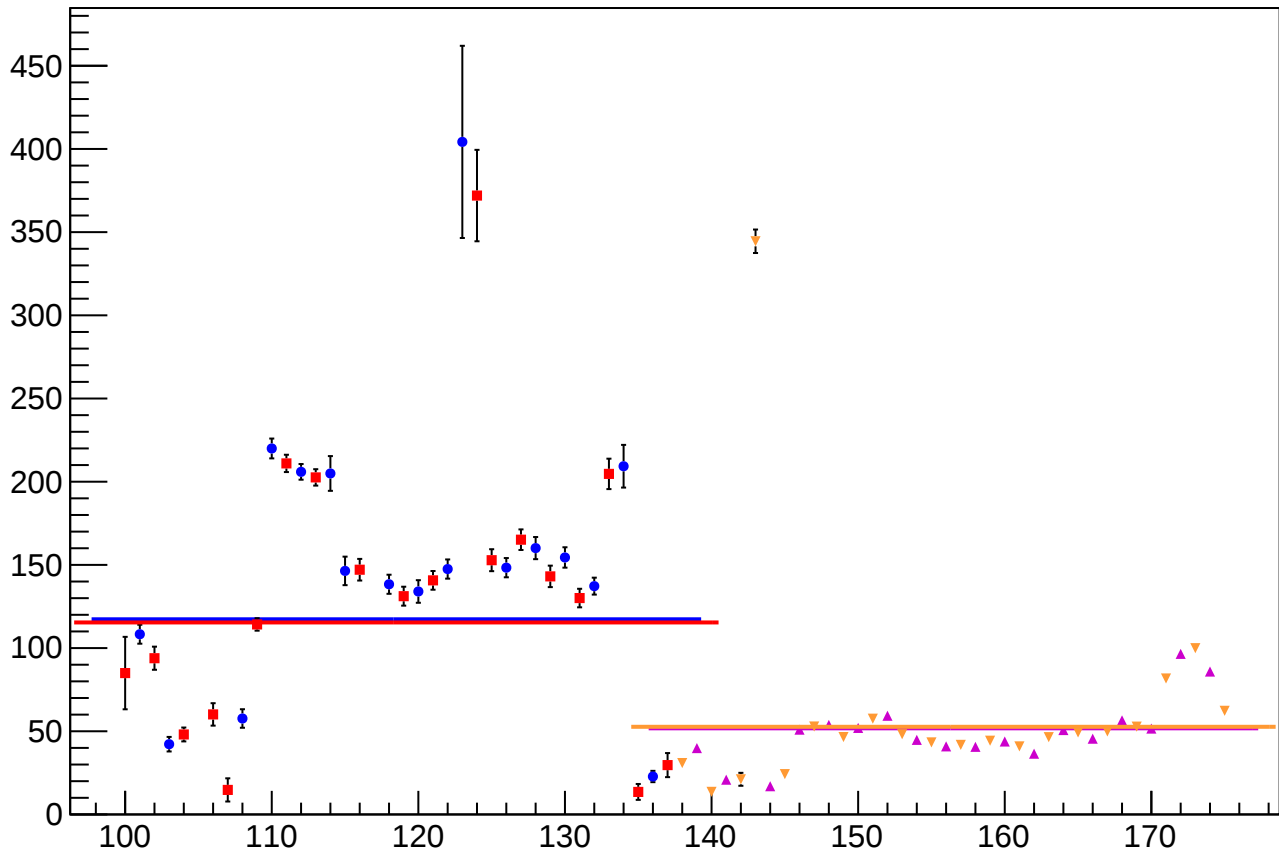
Right: -7.317 ± 0.545 χ^2/NDF : 540.9/35

In: -2.828 ± 0.333 χ^2/NDF : 467.1/34

Out: -3.482 ± 0.322 χ^2/NDF : 662.2/38

All: -3.165 ± 0.231 χ^2/NDF : 1131.3/73

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: 52.690 $\pm$ 0.478 χ^2 /NDF:3209.2/19

Right Out: 115.405 $\pm$ 1.361 χ^2 /NDF: 2150.5/18

Left In: 51.766 $\pm$ 0.494 χ^2 /NDF:1376.3/17

Left: 52.243 $\pm$ 0.344 χ^2 /NDF: 4587.4/37

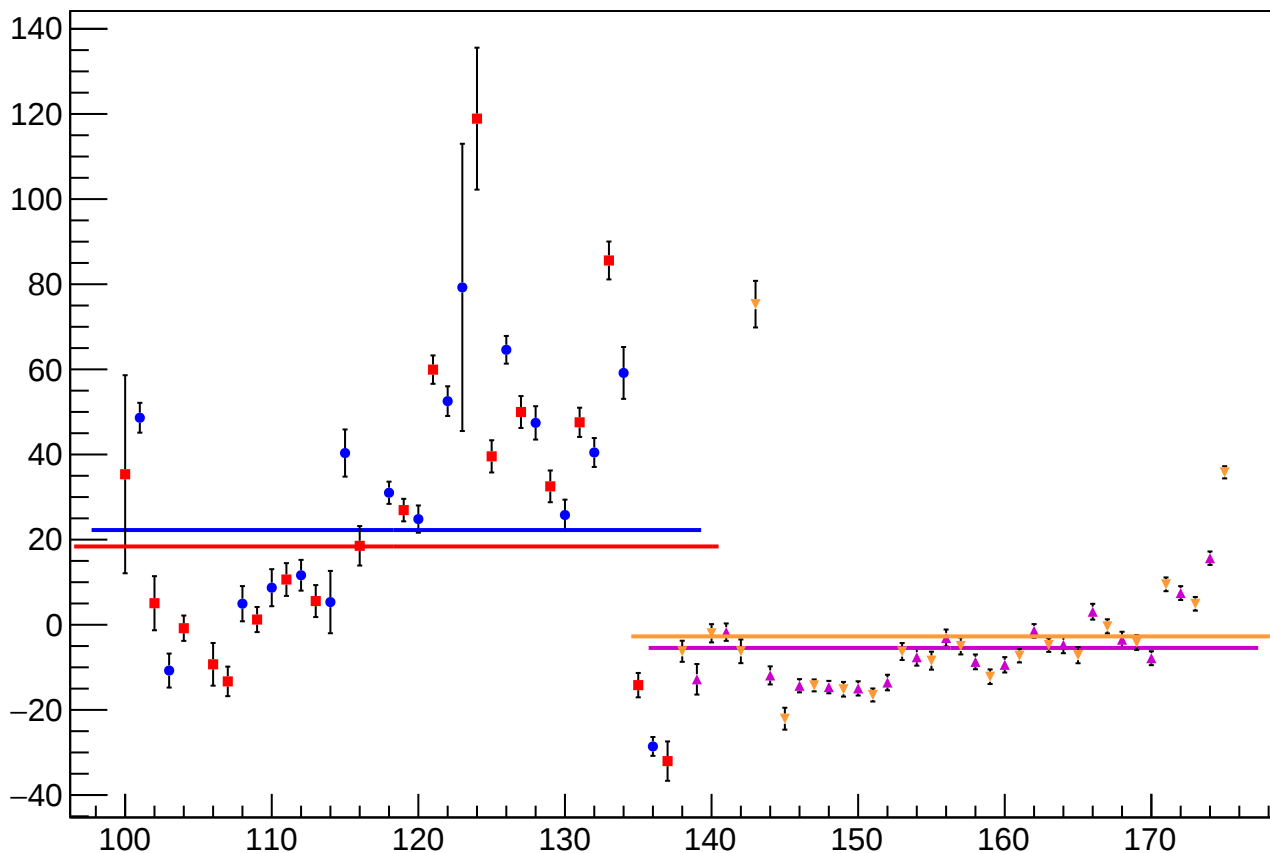
Right: 116.321 $\pm$ 0.979 χ^2 /NDF: 4312.7/35

In: 58.938 $\pm$ 0.466 χ^2 /NDF:5465.4/34

Out: 59.591 $\pm$ 0.451 χ^2 /NDF:7250.5/38

All: 59.275 $\pm$ 0.324 χ^2 /NDF: 12716.9/73

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.250 $\pm$ 0.889 χ^2 /NDF: 1071.4/16

Left Out: -2.730 $\pm$ 0.407 χ^2 /NDF:1325.5/19

Right Out: 18.395 $\pm$ 0.872 χ^2 /NDF: 1077.1/18

Left In: -5.443 $\pm$ 0.423 χ^2 /NDF:422.8/17

Left: -4.035 $\pm$ 0.293 χ^2 /NDF: 1769.6/37

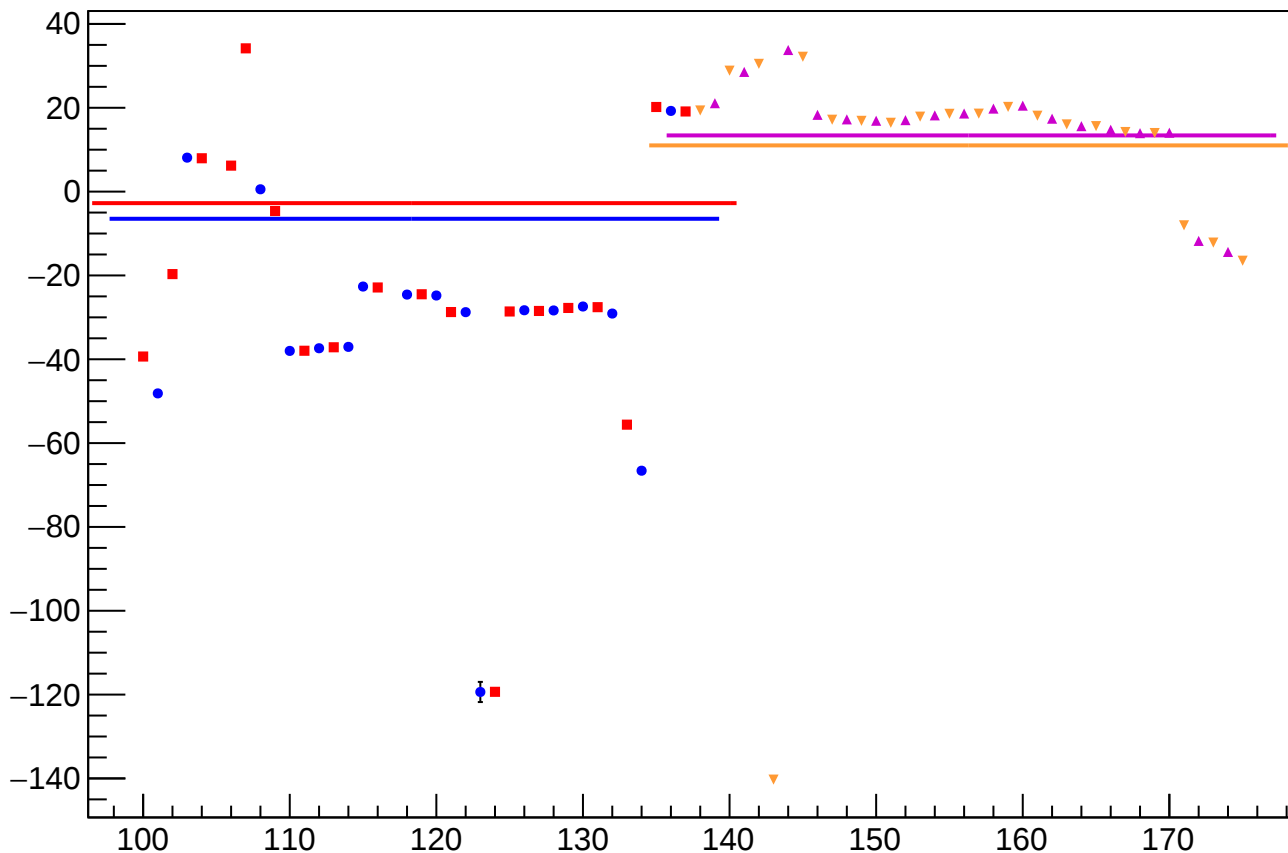
Right: 20.284 $\pm$ 0.622 χ^2 /NDF: 2158.2/35

In: -0.335 $\pm$ 0.382 χ^2 /NDF:2285.3/34

Out: 1.054 $\pm$ 0.369 χ^2 /NDF:2884.6/38

All: 0.383 $\pm$ 0.265 χ^2 /NDF: 5176.7/73

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.482 ± 0.046 $\chi^2/\text{NDF}: 265804.1/16$

Left Out: 11.024 ± 0.019 $\chi^2/\text{NDF}: 790970.8/19$

Right Out: -2.751 ± 0.046 $\chi^2/\text{NDF}: 266291.4/18$

Left In: 13.406 ± 0.019 $\chi^2/\text{NDF}: 397836.7/17$

Left: 12.203 ± 0.013 $\chi^2/\text{NDF}: 1196663.5/37$

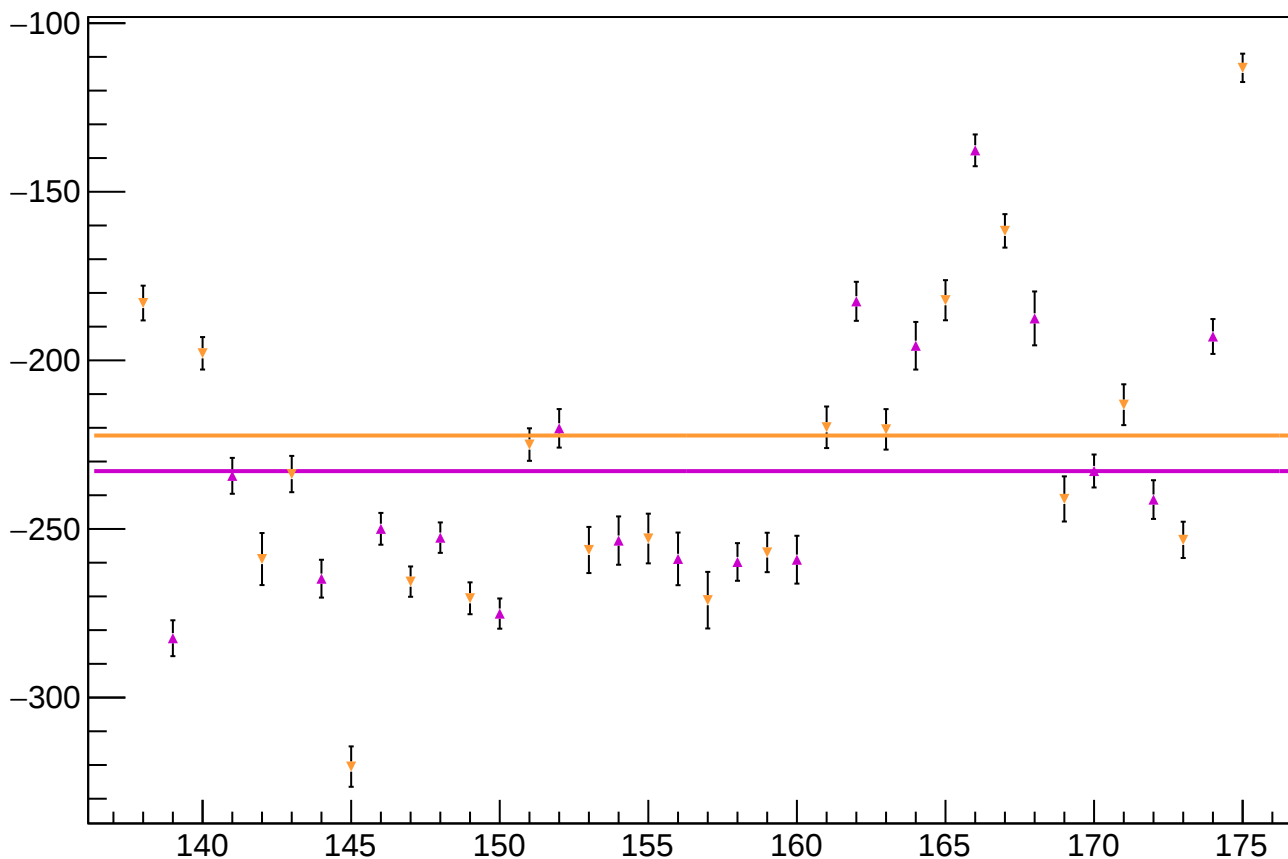
Right: -4.597 ± 0.032 $\chi^2/\text{NDF}: 535394.7/35$

In: 10.499 ± 0.018 $\chi^2/\text{NDF}: 822124.7/34$

Out: 9.010 ± 0.017 $\chi^2/\text{NDF}: 1134905.8/38$

All: 9.747 ± 0.012 $\chi^2/\text{NDF}: 1960629.6/73$

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: -222.285+/-1.246 χ^2/NDF :1598.2/19

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

Left In: -232.845+/-1.308 χ^2/NDF :906.3/17

Left: -227.311+/-0.902 χ^2/NDF : 2538.7/37

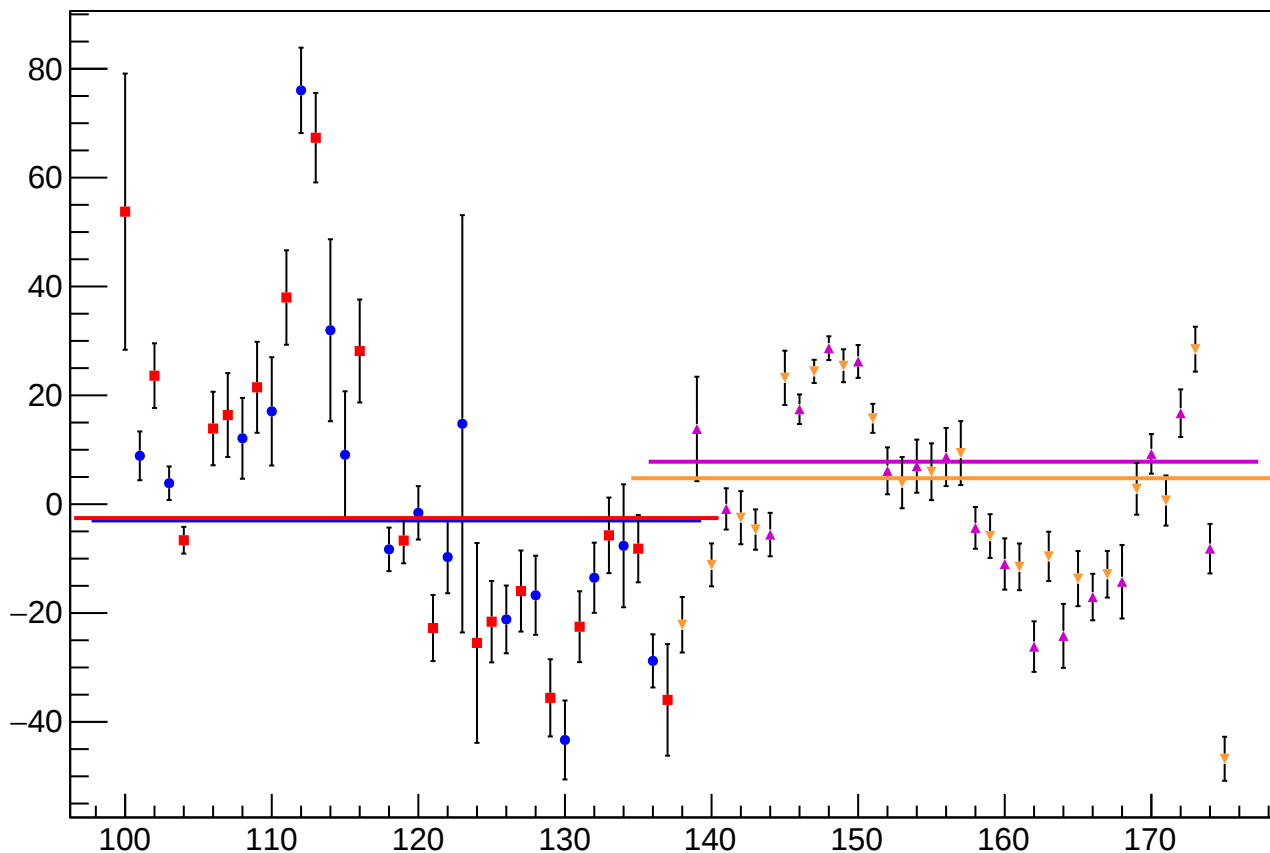
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -232.845+/-1.308 χ^2/NDF :906.3/17

Out: -222.285+/-1.246 χ^2/NDF :1598.2/19

All: -227.311+/-0.902 χ^2/NDF : 2538.7/37

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: 4.772 ± 0.874 χ^2/NDF : 473.9/19

Right Out: -2.548 ± 1.399 χ^2/NDF : 218.1/18

Left In: 7.806 ± 0.925 χ^2/NDF : 328.0/17

Left: 6.204 ± 0.635 χ^2/NDF : 807.6/37

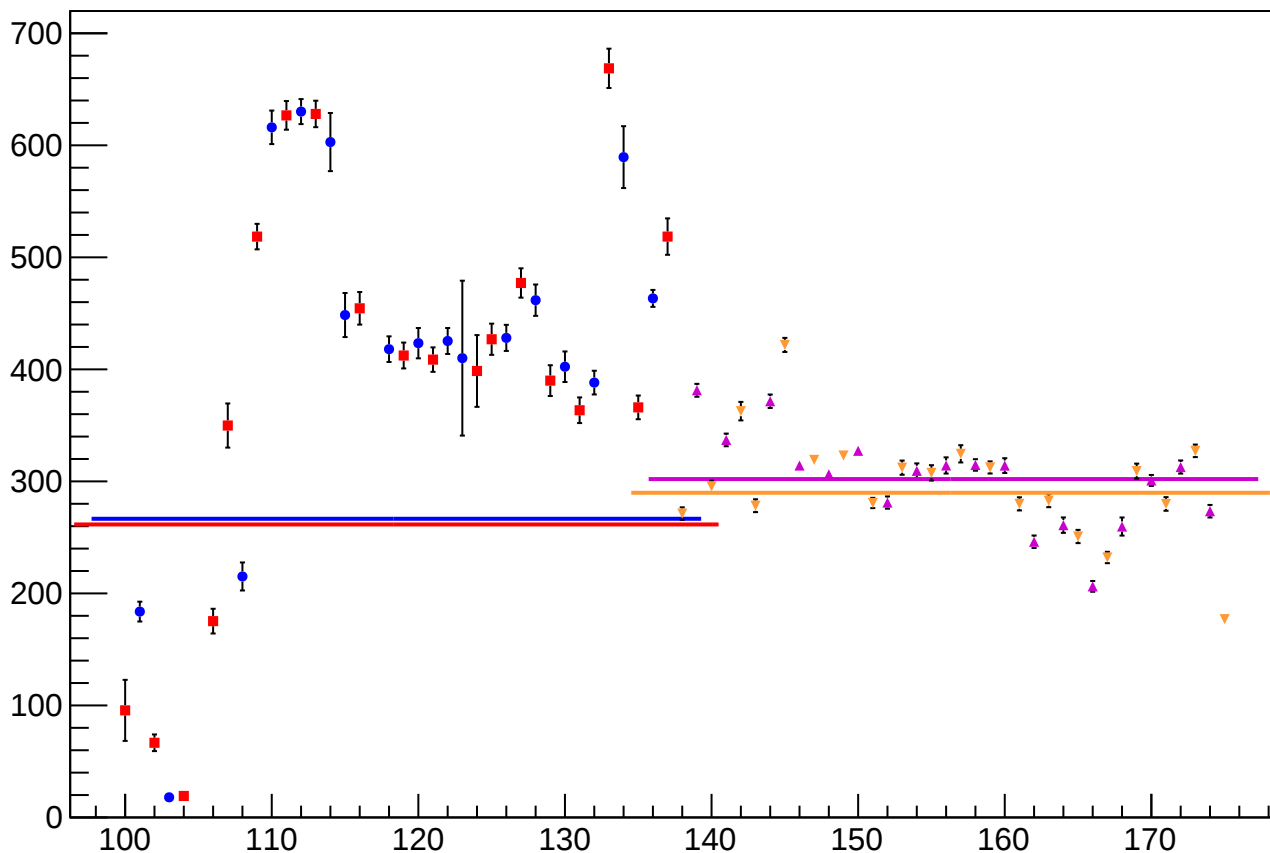
Right: -2.757 ± 1.007 χ^2/NDF : 422.1/35

In: 4.688 ± 0.780 χ^2/NDF : 571.2/34

Out: 2.716 ± 0.741 χ^2/NDF : 711.7/38

All: 3.652 ± 0.537 χ^2/NDF : 1286.3/73

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: 289.837 $\pm$ 1.234 χ^2 /NDF:1655.3/19

Right Out: 261.551 $\pm$ 2.458 χ^2 /NDF: 8208.2/18

Left In: 302.057 $\pm$ 1.289 χ^2 /NDF:1025.6/17

Left: 295.680 $\pm$ 0.892 χ^2 /NDF: 2727.8/37

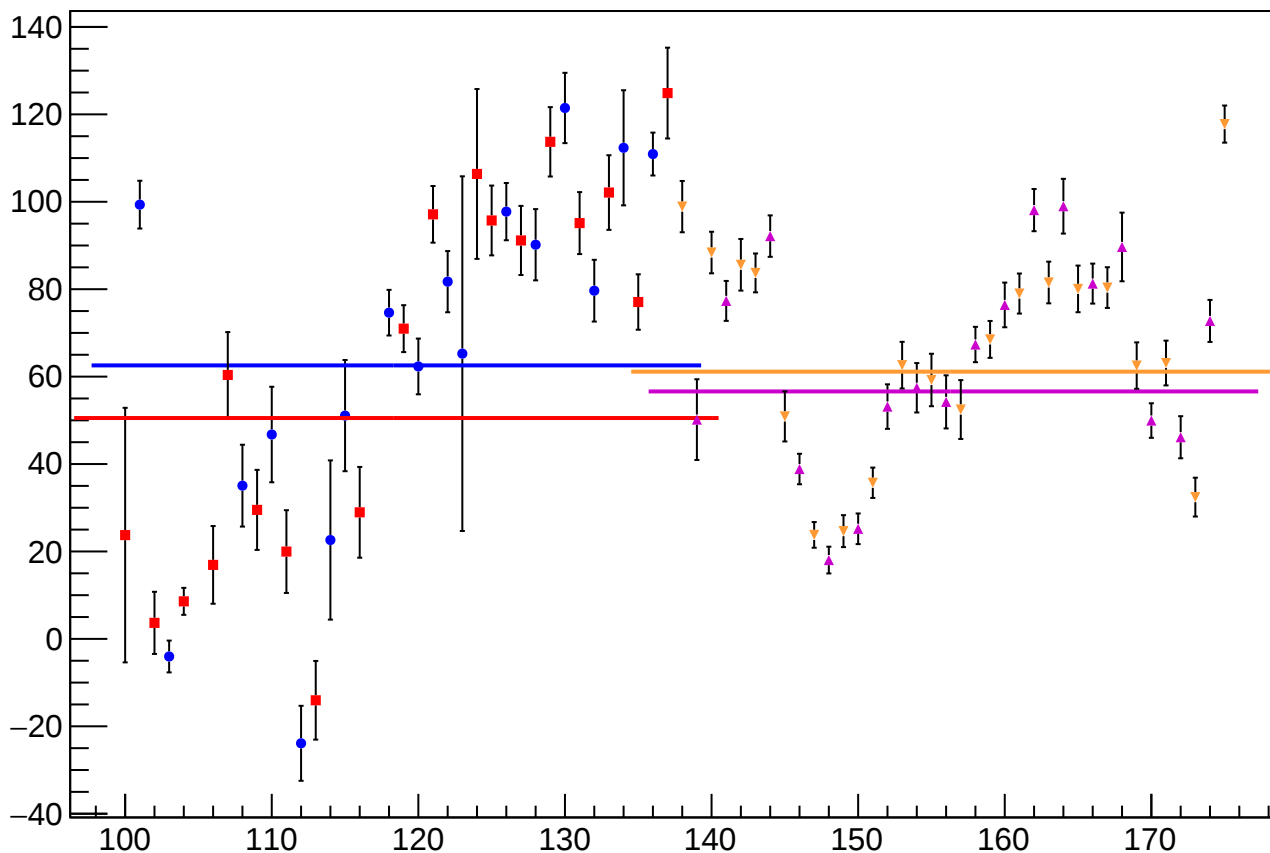
Right: 264.068 $\pm$ 1.745 χ^2 /NDF: 15873.0/35

In: 294.503 $\pm$ 1.144 χ^2 /NDF:8849.3/34

Out: 284.140 $\pm$ 1.103 χ^2 /NDF:9969.3/38

All: 289.134 $\pm$ 0.794 χ^2 /NDF: 18861.1/73

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 62.566 ± 1.678 $\chi^2/\text{NDF}: 722.4/16$

Left Out: 61.138 ± 1.026 $\chi^2/\text{NDF}: 723.1/19$

Right Out: 50.526 ± 1.643 $\chi^2/\text{NDF}: 657.0/18$

Left In: 56.610 ± 1.082 $\chi^2/\text{NDF}: 550.3/17$

Left: 58.995 ± 0.745 $\chi^2/\text{NDF}: 1282.7/37$

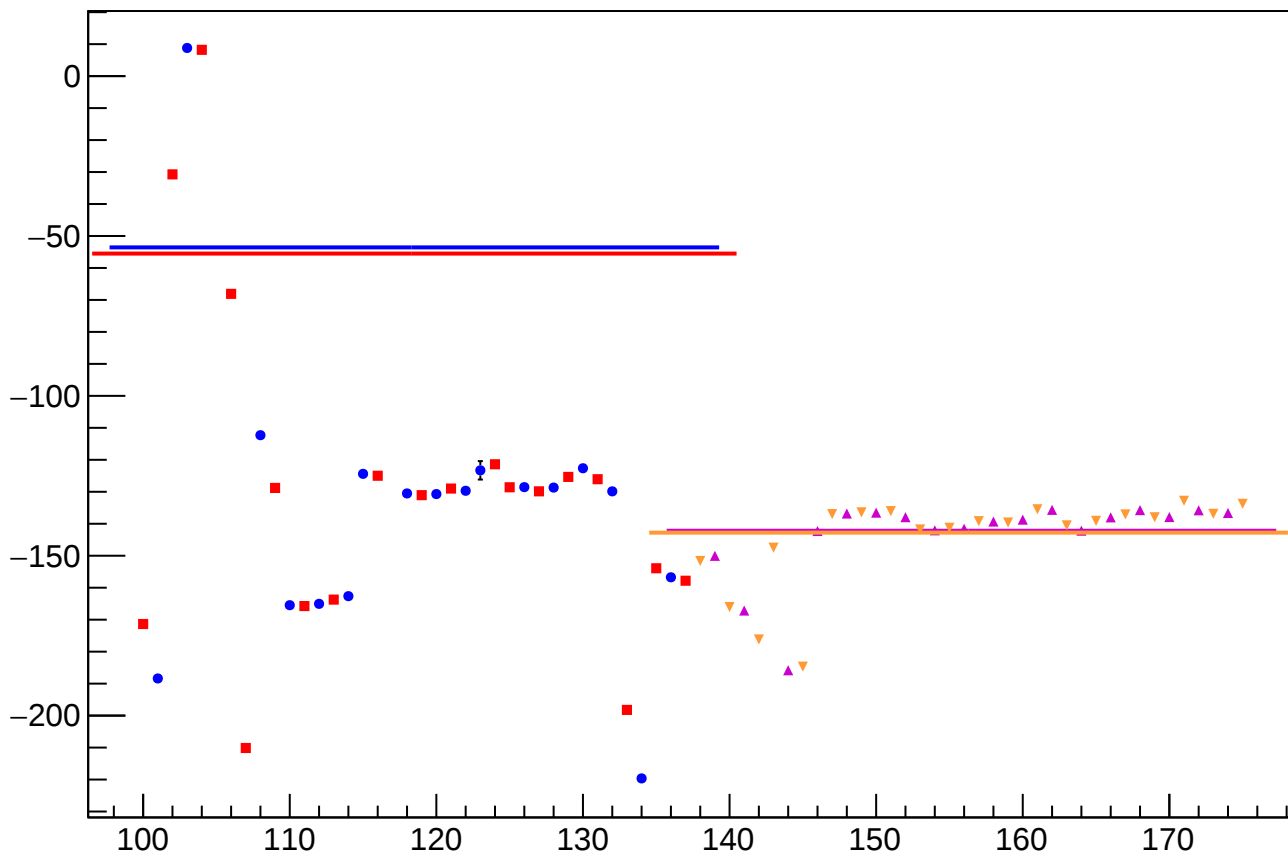
Right: 56.420 ± 1.174 $\chi^2/\text{NDF}: 1405.7/35$

In: 58.360 ± 0.910 $\chi^2/\text{NDF}: 1281.6/34$

Out: 58.163 ± 0.870 $\chi^2/\text{NDF}: 1410.1/38$

All: 58.257 ± 0.629 $\chi^2/\text{NDF}: 2691.8/73$

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: -142.779 ± 0.050 $\chi^2/\text{NDF}: 62430.7/19$

Right Out: -55.502 ± 0.072 $\chi^2/\text{NDF}: 969632.0/18$

Left In: -142.185 ± 0.051 $\chi^2/\text{NDF}: 47622.4/17$

Left: -142.488 ± 0.035 $\chi^2/\text{NDF}: 110123.1/37$

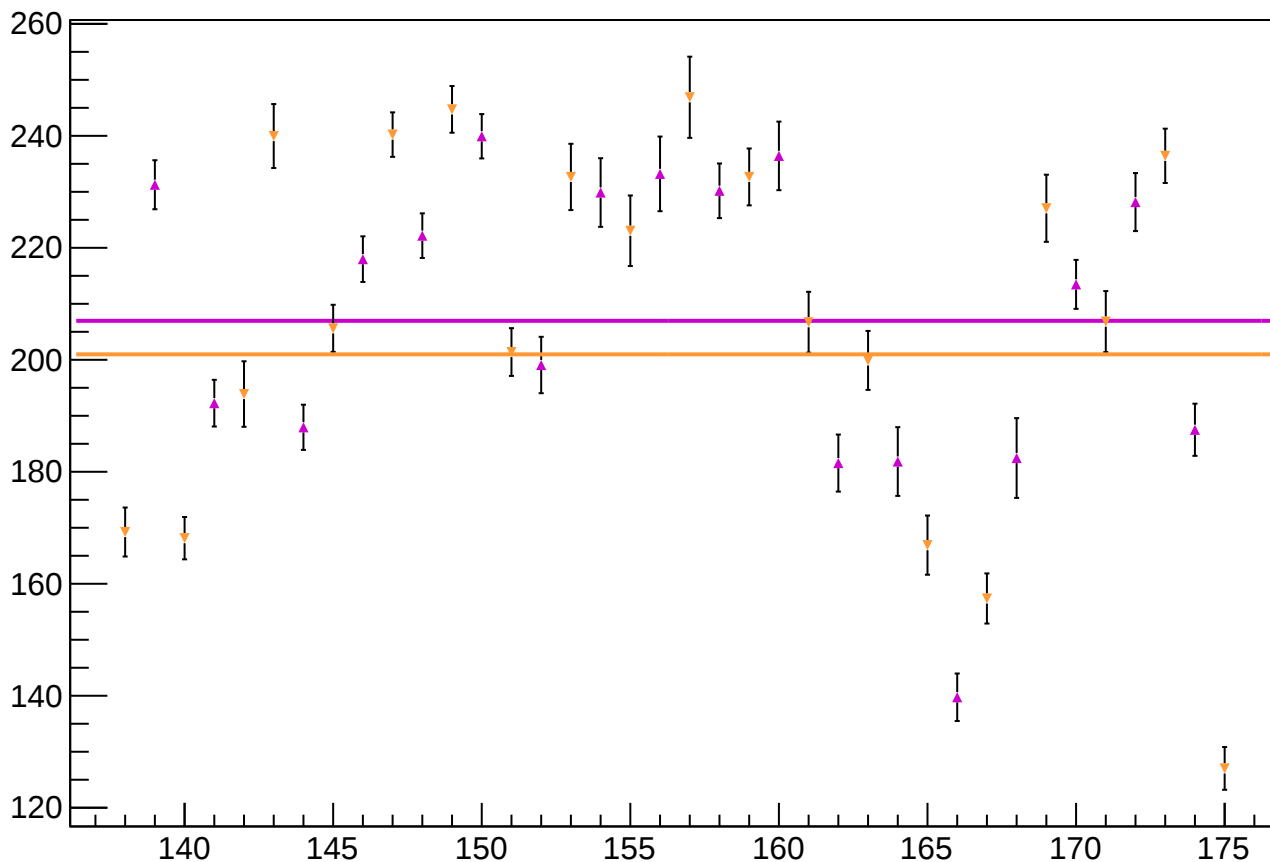
Right: -54.512 ± 0.050 $\chi^2/\text{NDF}: 2200235.7/35$

In: -111.845 ± 0.041 $\chi^2/\text{NDF}: 2323642.8/34$

Out: -114.615 ± 0.041 $\chi^2/\text{NDF}: 2029861.3/38$

All: -113.239 ± 0.029 $\chi^2/\text{NDF}: 4355787.6/73$

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: 200.975+/-1.082 χ^2/NDF :1091.1/19

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

Left In: 206.962+/-1.124 χ^2/NDF :575.4/17

Left: 203.854+/-0.780 χ^2/NDF : 1681.2/37

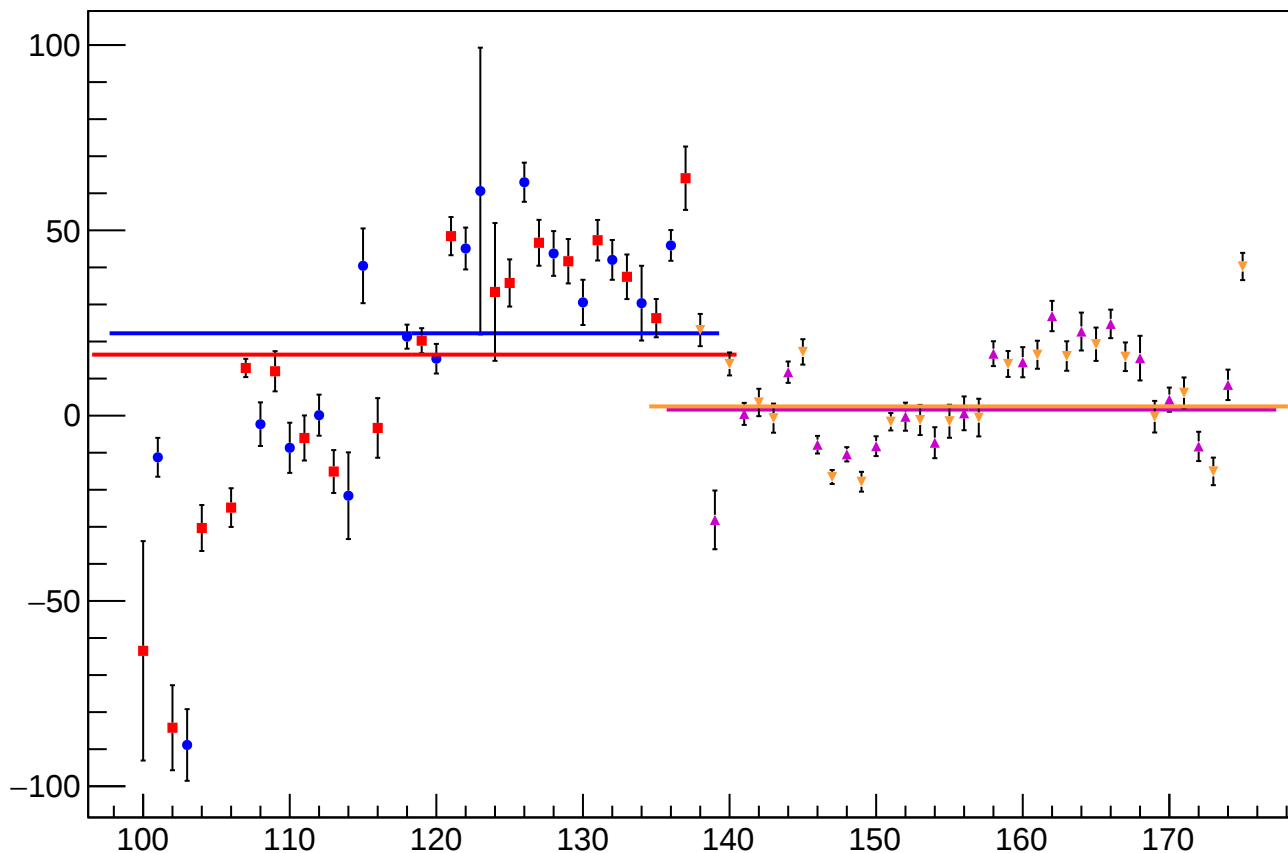
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 206.962+/-1.124 χ^2/NDF :575.4/17

Out: 200.975+/-1.082 χ^2/NDF :1091.1/19

All: 203.854+/-0.780 χ^2/NDF : 1681.2/37

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: 2.492+/-0.762 χ^2/NDF : 411.4/19

Right Out: 16.466+/-1.230 χ^2/NDF : 425.9/18

Left In: 1.641+/-0.798 χ^2/NDF : 236.3/17

Left: 2.086+/-0.551 χ^2/NDF : 648.2/37

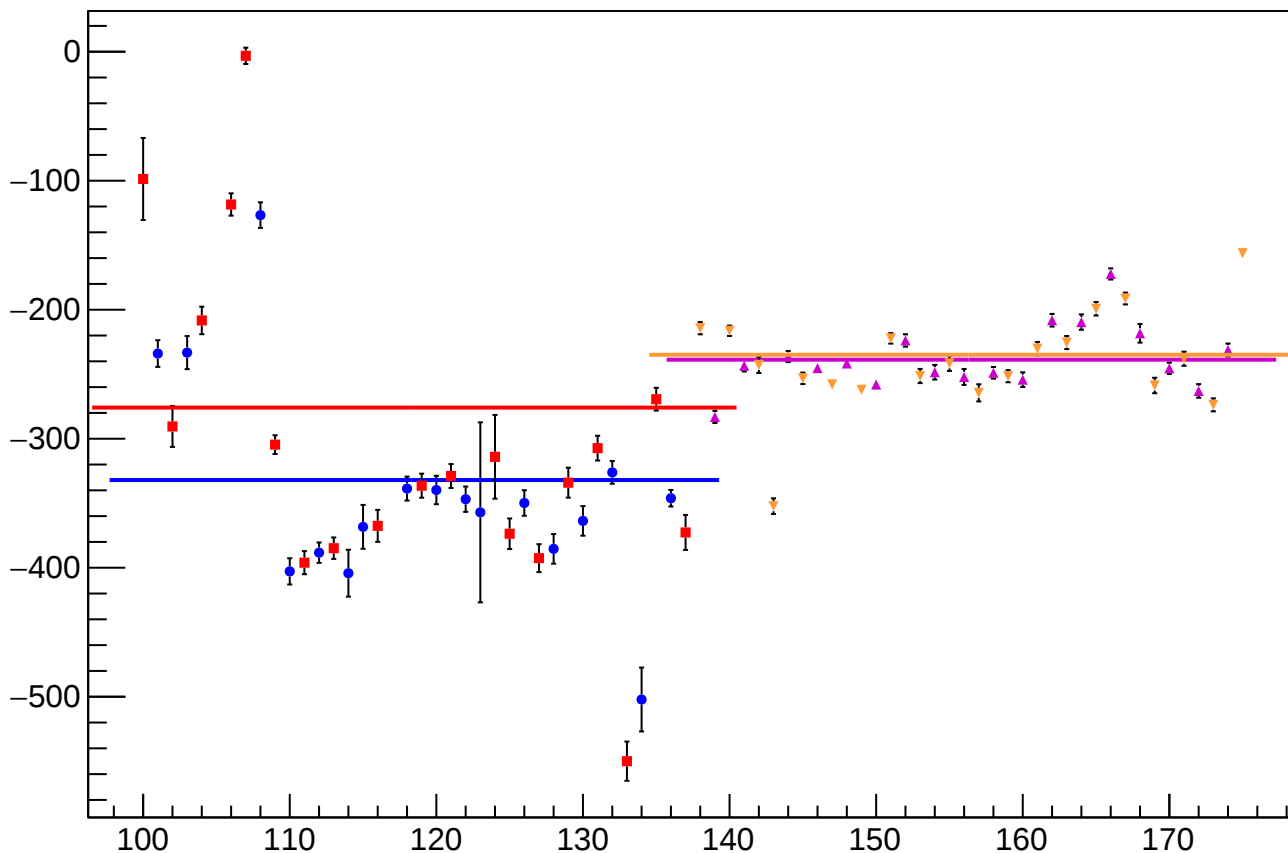
Right: 19.025+/-0.916 χ^2/NDF : 821.2/35

In: 6.835+/-0.690 χ^2/NDF : 789.6/34

Out: 6.369+/-0.648 χ^2/NDF : 930.6/38

All: 6.587+/-0.472 χ^2/NDF : 1720.5/73

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -332.037 ± 2.562 χ^2/NDF : 784.9/16

Left Out: -234.930 ± 1.074 χ^2/NDF : 1210.8/19

Right Out: -275.853 ± 2.324 χ^2/NDF : 3362.8/18

Left In: -238.731 ± 1.112 χ^2/NDF : 482.0/17

Left: -236.765 ± 0.773 χ^2/NDF : 1698.9/37

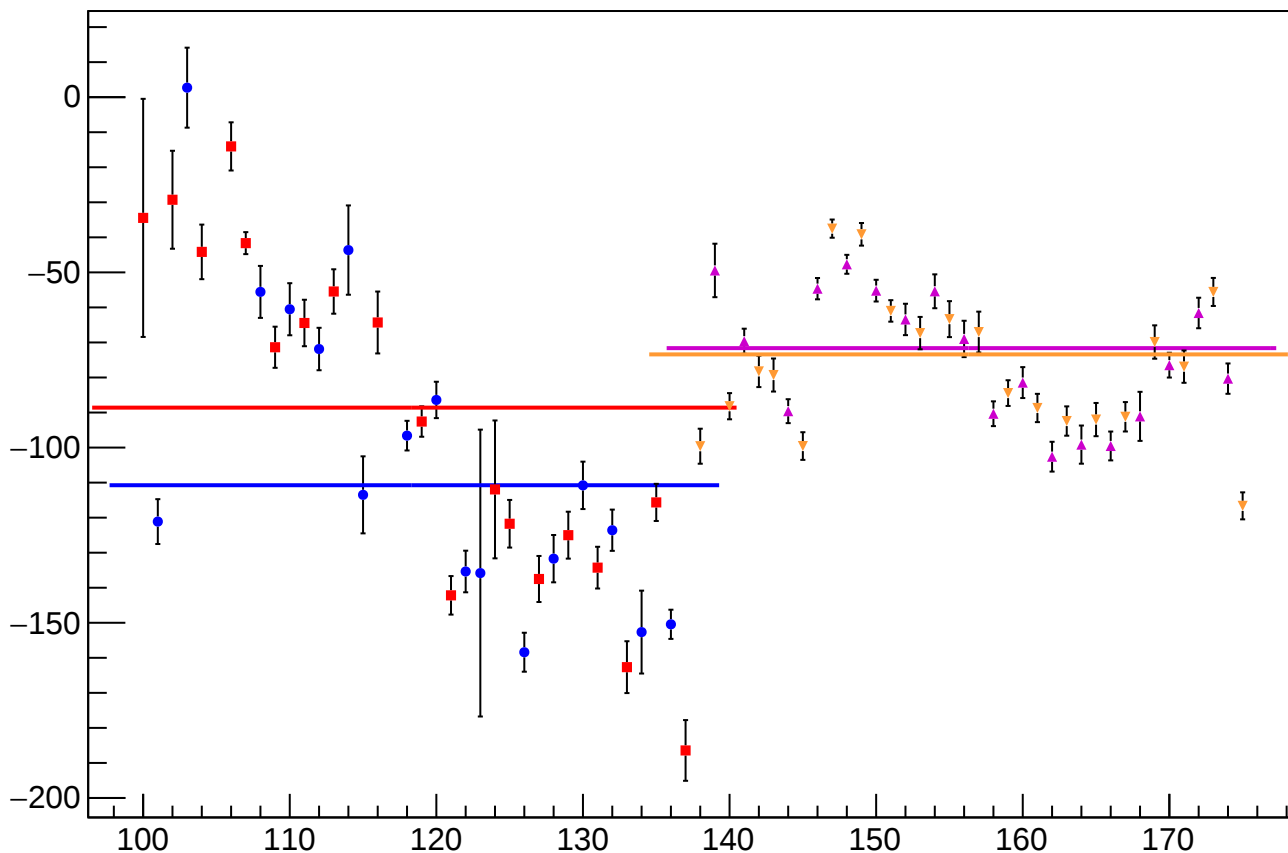
Right: -301.220 ± 1.721 χ^2/NDF : 4411.6/35

In: -253.518 ± 1.020 χ^2/NDF : 2383.1/34

Out: -242.133 ± 0.975 χ^2/NDF : 4829.1/38

All: -247.570 ± 0.705 χ^2/NDF : 7277.3/73

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: -73.407 ± 0.894 χ^2/NDF : 640.7/19

Right Out: -88.600 ± 1.435 χ^2/NDF : 969.7/18

Left In: -71.621 ± 0.934 χ^2/NDF : 365.5/17

Left: -72.553 ± 0.646 χ^2/NDF : 1008.1/37

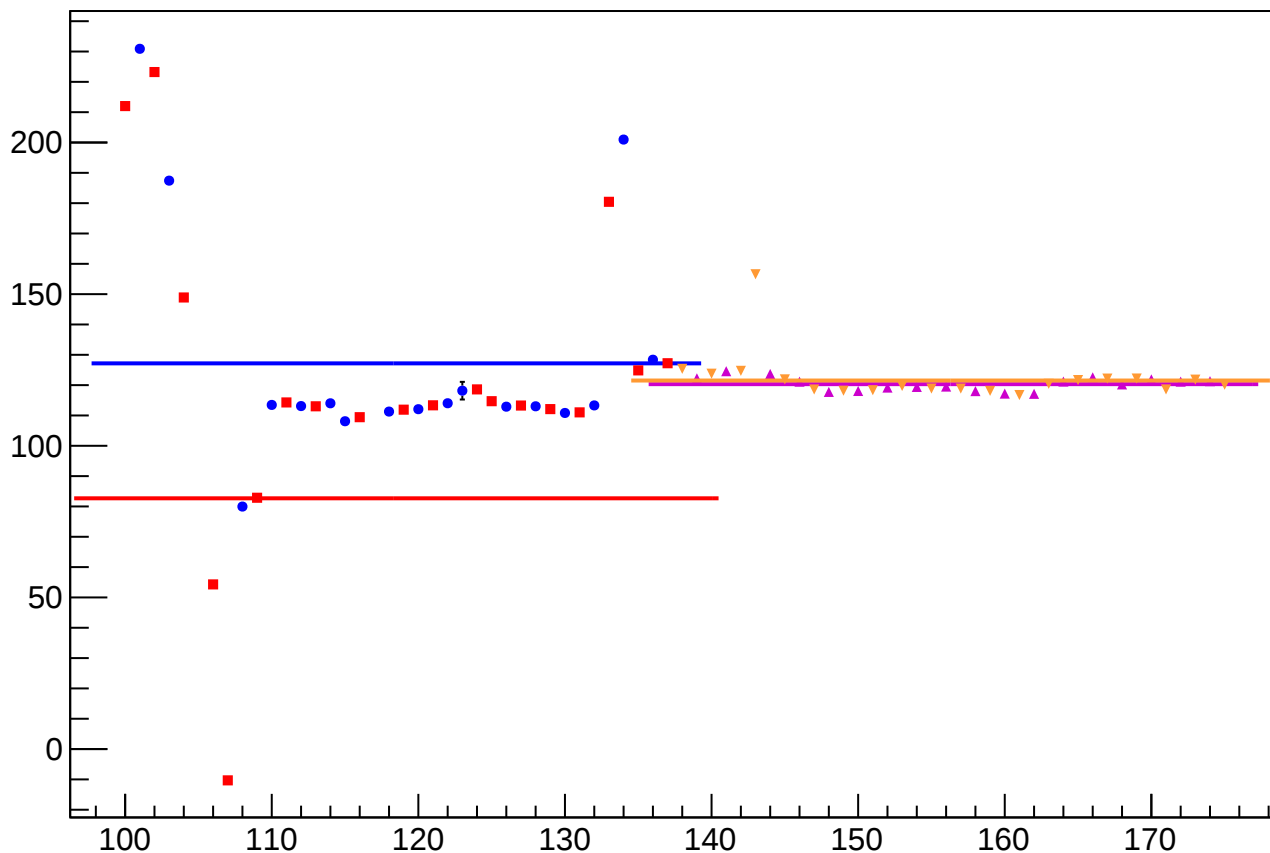
Right: -98.623 ± 1.061 χ^2/NDF : 1591.0/35

In: -81.779 ± 0.804 χ^2/NDF : 1334.3/34

Out: -77.659 ± 0.759 χ^2/NDF : 1691.2/38

All: -79.601 ± 0.552 χ^2/NDF : 3039.4/73

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: 121.521 $\pm$ 0.043 χ^2 /NDF: 23993.8/19

Right Out: 82.684 $\pm$ 0.075 χ^2 /NDF: 765716.0/18

Left In: 120.327 $\pm$ 0.044 χ^2 /NDF: 2558.8/17

Left: 120.933 $\pm$ 0.031 χ^2 /NDF: 26930.0/37

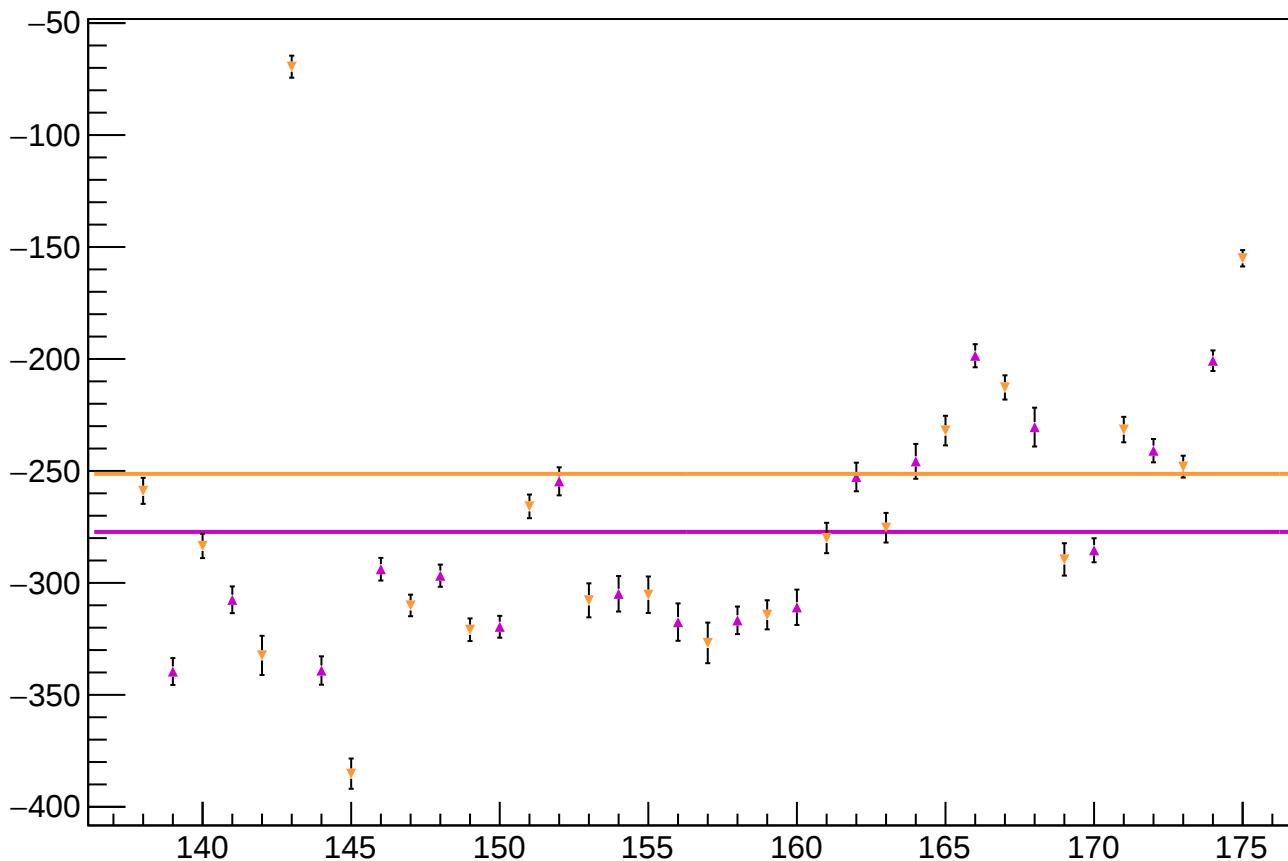
Right: 101.242 $\pm$ 0.057 χ^2 /NDF: 1099401.9/35

In: 121.661 $\pm$ 0.039 χ^2 /NDF: 195380.6/34

Out: 111.920 $\pm$ 0.037 χ^2 /NDF: 989965.0/38

All: 116.557 $\pm$ 0.027 χ^2 /NDF: 1217565.4/73

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: -251.306+/-1.297 χ^2/NDF :3308.7/19

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

Left In: -277.234+/-1.398 χ^2/NDF :1059.7/17

Left: -263.300+/-0.951 χ^2/NDF : 4553.3/37

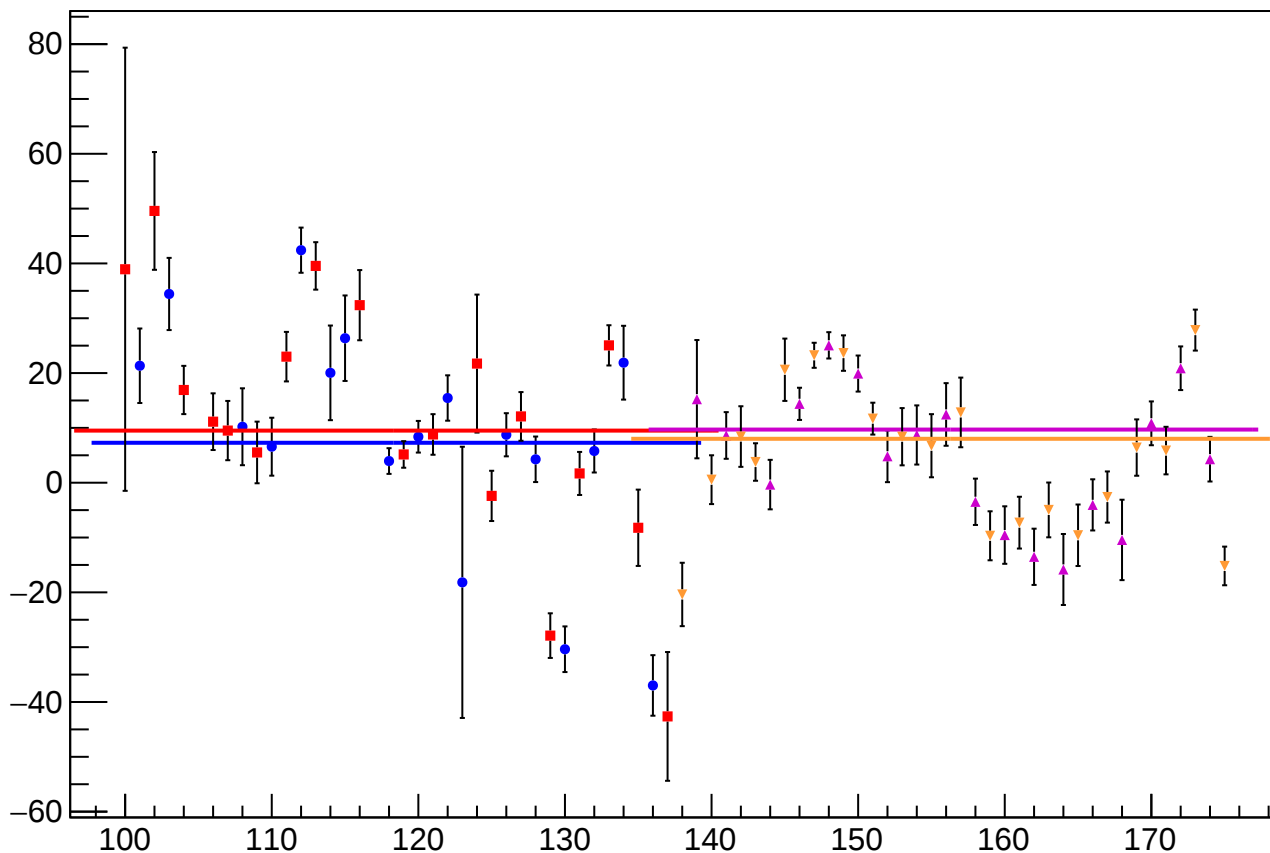
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -277.234+/-1.398 χ^2/NDF :1059.7/17

Out: -251.306+/-1.297 χ^2/NDF :3308.7/19

All: -263.300+/-0.951 χ^2/NDF : 4553.3/37

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: 8.010 ± 0.920 χ^2/NDF : 223.2/19

Right Out: 9.505 ± 1.074 χ^2/NDF : 231.5/18

Left In: 9.694 ± 0.995 χ^2/NDF : 144.9/17

Left: 8.785 ± 0.675 χ^2/NDF : 369.6/37

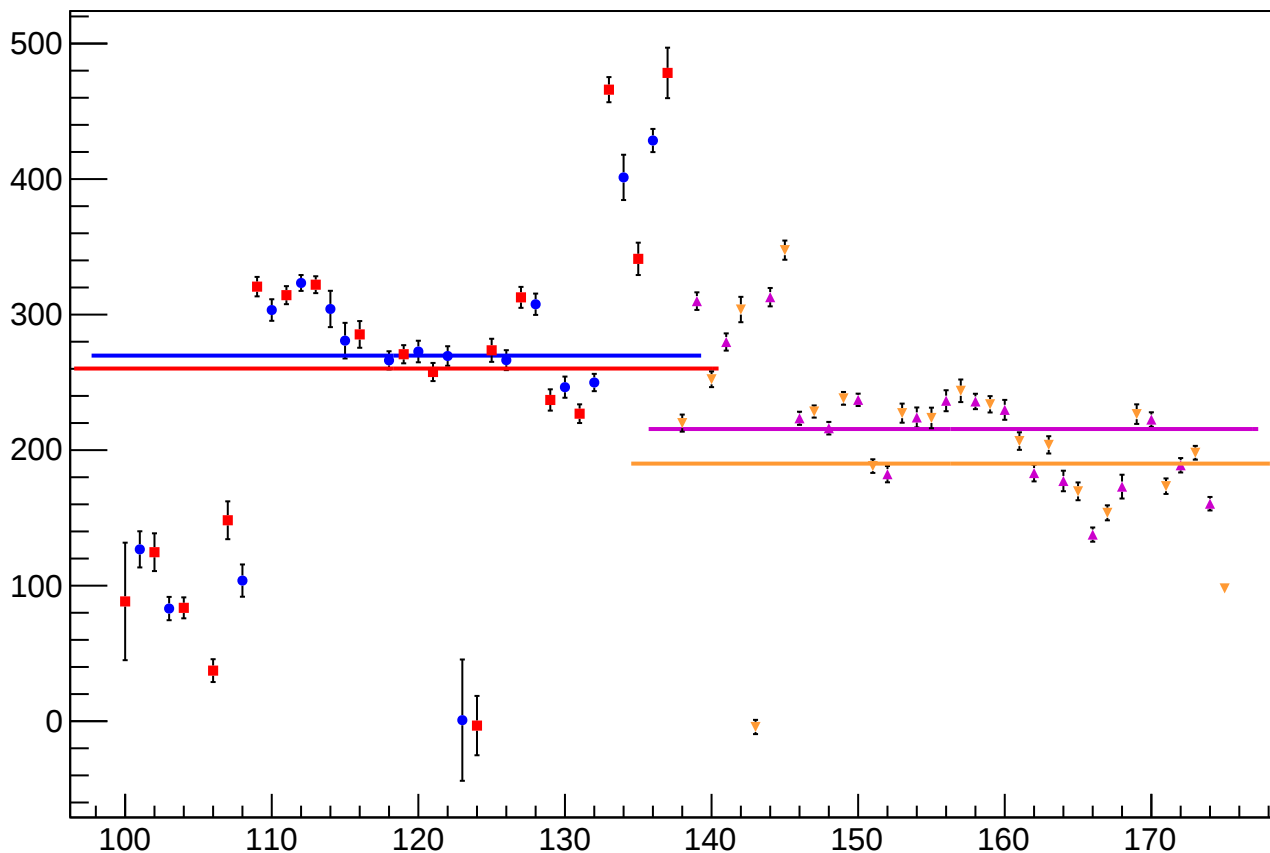
Right: 8.404 ± 0.763 χ^2/NDF : 494.7/35

In: 8.591 ± 0.733 χ^2/NDF : 408.6/34

Out: 8.642 ± 0.699 χ^2/NDF : 455.8/38

All: 8.618 ± 0.506 χ^2/NDF : 864.4/73

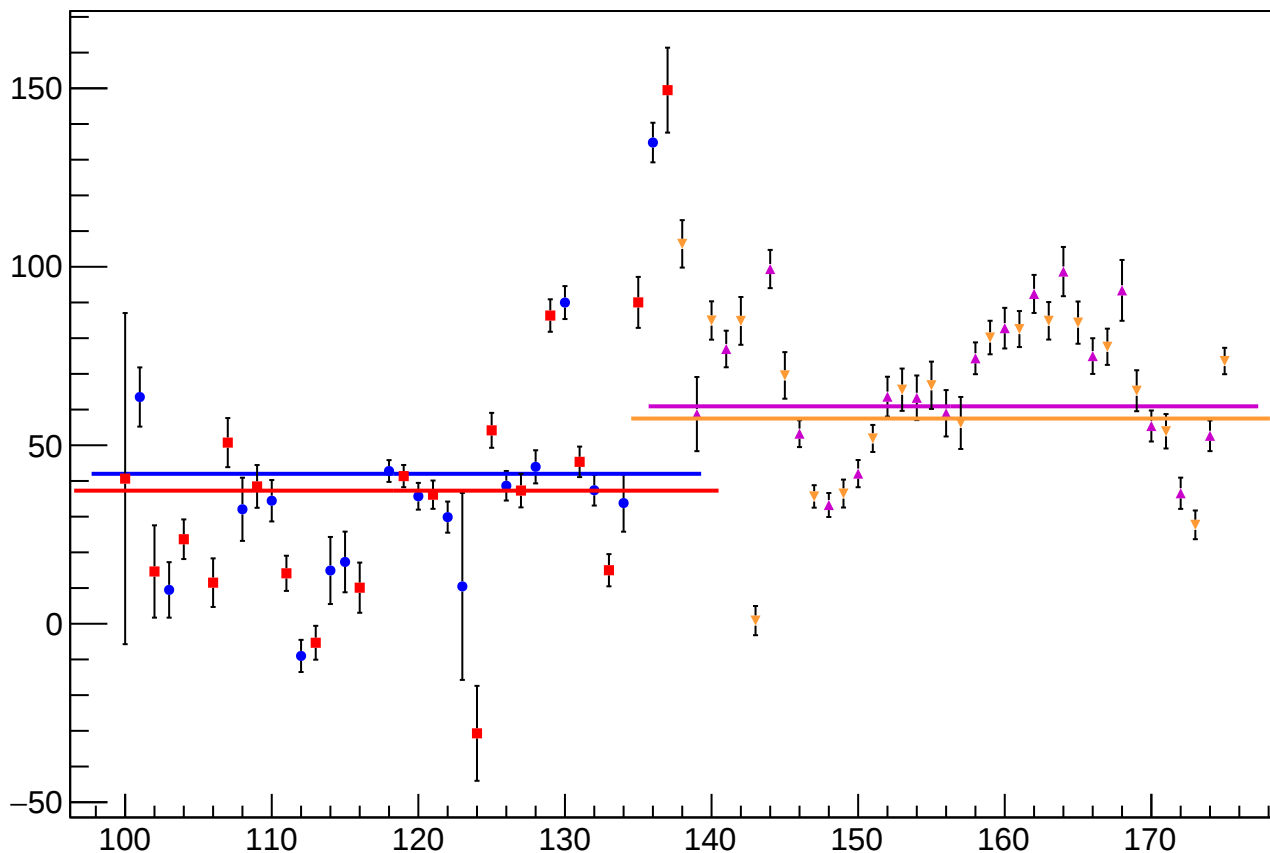
reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 269.748 ± 2.071 $\chi^2/\text{NDF}: 1374.1/16$
 Left Out: 190.059 ± 1.288 $\chi^2/\text{NDF}: 3200.5/19$
 Right Out: 260.206 ± 1.978 $\chi^2/\text{NDF}: 2541.6/18$
 Left In: 215.574 ± 1.383 $\chi^2/\text{NDF}: 1046.4/17$

Left: 201.910 ± 0.942 $\chi^2/\text{NDF}: 4429.3/37$
 Right: 264.757 ± 1.430 $\chi^2/\text{NDF}: 3926.7/35$
 In: 232.270 ± 1.150 $\chi^2/\text{NDF}: 2893.7/34$
 Out: 210.938 ± 1.079 $\chi^2/\text{NDF}: 6625.6/38$
 All: 220.926 ± 0.787 $\chi^2/\text{NDF}: 9702.2/73$

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.006 $\pm$ 1.255 χ^2 /NDF: 575.6/16

Left Out: 57.490 $\pm$ 1.075 χ^2 /NDF: 562.7/19

Right Out: 37.284 $\pm$ 1.237 χ^2 /NDF: 472.6/18

Left In: 60.910 $\pm$ 1.161 χ^2 /NDF: 305.7/17

Left: 59.069 $\pm$ 0.789 χ^2 /NDF: 873.1/37

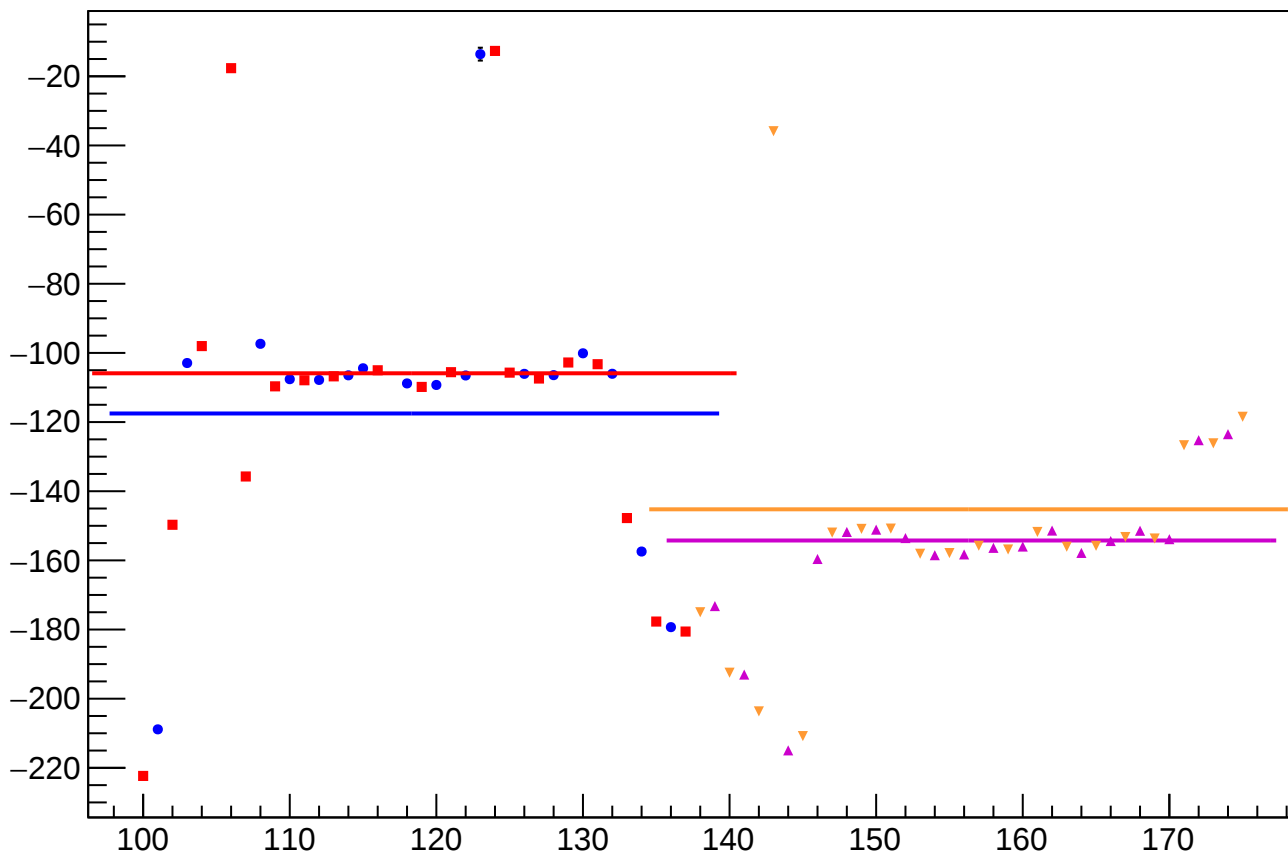
Right: 39.611 $\pm$ 0.881 χ^2 /NDF: 1055.4/35

In: 52.198 $\pm$ 0.852 χ^2 /NDF: 1003.5/34

Out: 48.798 $\pm$ 0.811 χ^2 /NDF: 1187.4/38

All: 50.415 $\pm$ 0.588 χ^2 /NDF: 2199.2/73

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -117.516 ± 0.078 $\chi^2/\text{NDF}: 142016.6/16$

Left Out: -145.231 ± 0.052 $\chi^2/\text{NDF}: 457757.6/19$

Right Out: -105.892 ± 0.073 $\chi^2/\text{NDF}: 324304.4/18$

Left In: -154.249 ± 0.054 $\chi^2/\text{NDF}: 125404.4/17$

Left: -149.552 ± 0.037 $\chi^2/\text{NDF}: 597600.4/37$

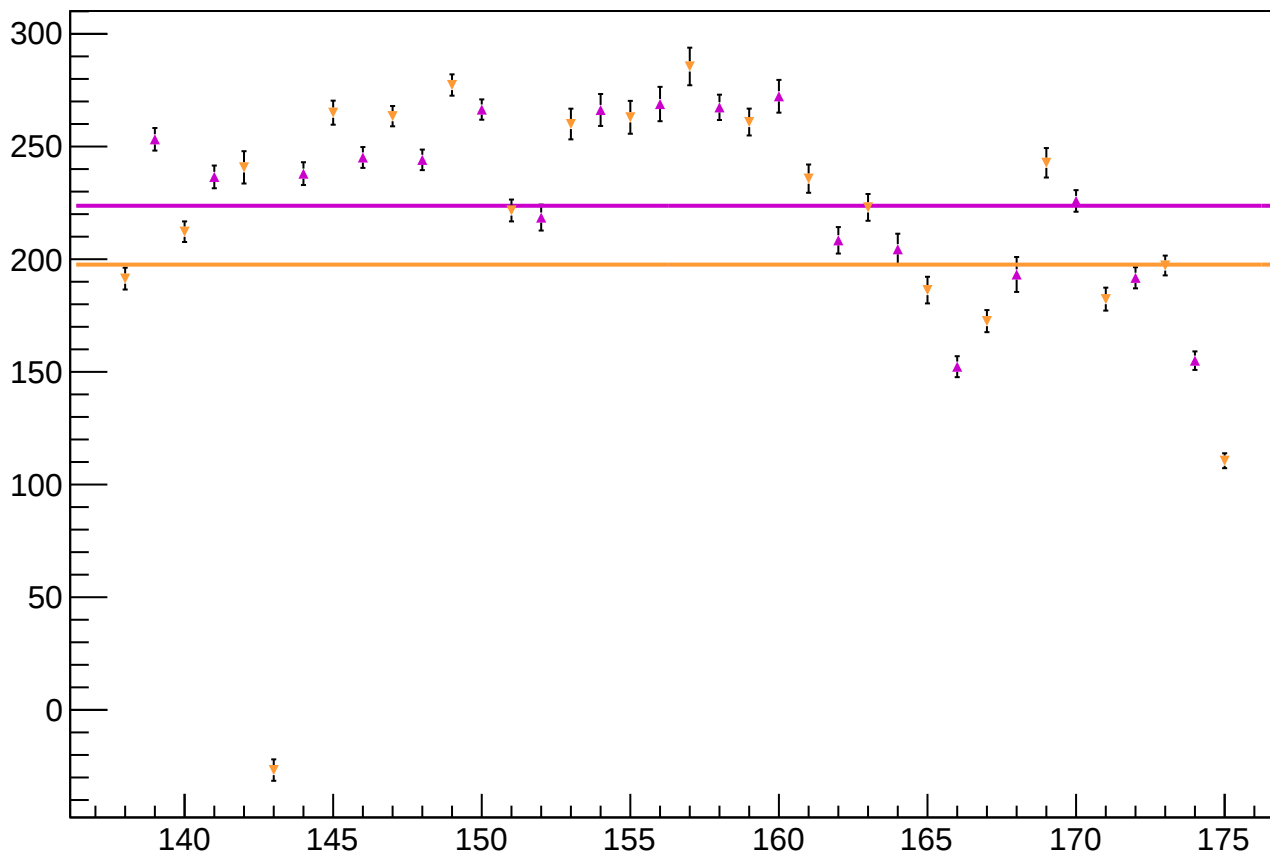
Right: -111.303 ± 0.053 $\chi^2/\text{NDF}: 478188.8/35$

In: -142.299 ± 0.044 $\chi^2/\text{NDF}: 417049.4/34$

Out: -131.959 ± 0.042 $\chi^2/\text{NDF}: 975548.5/38$

All: -136.867 ± 0.031 $\chi^2/\text{NDF}: 1420981.3/73$

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: 197.605+/-1.164 χ^2/NDF :4177.4/19

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

Left In: 223.720+/-1.249 χ^2/NDF :949.2/17

Left: 209.751+/-0.852 χ^2/NDF : 5360.6/37

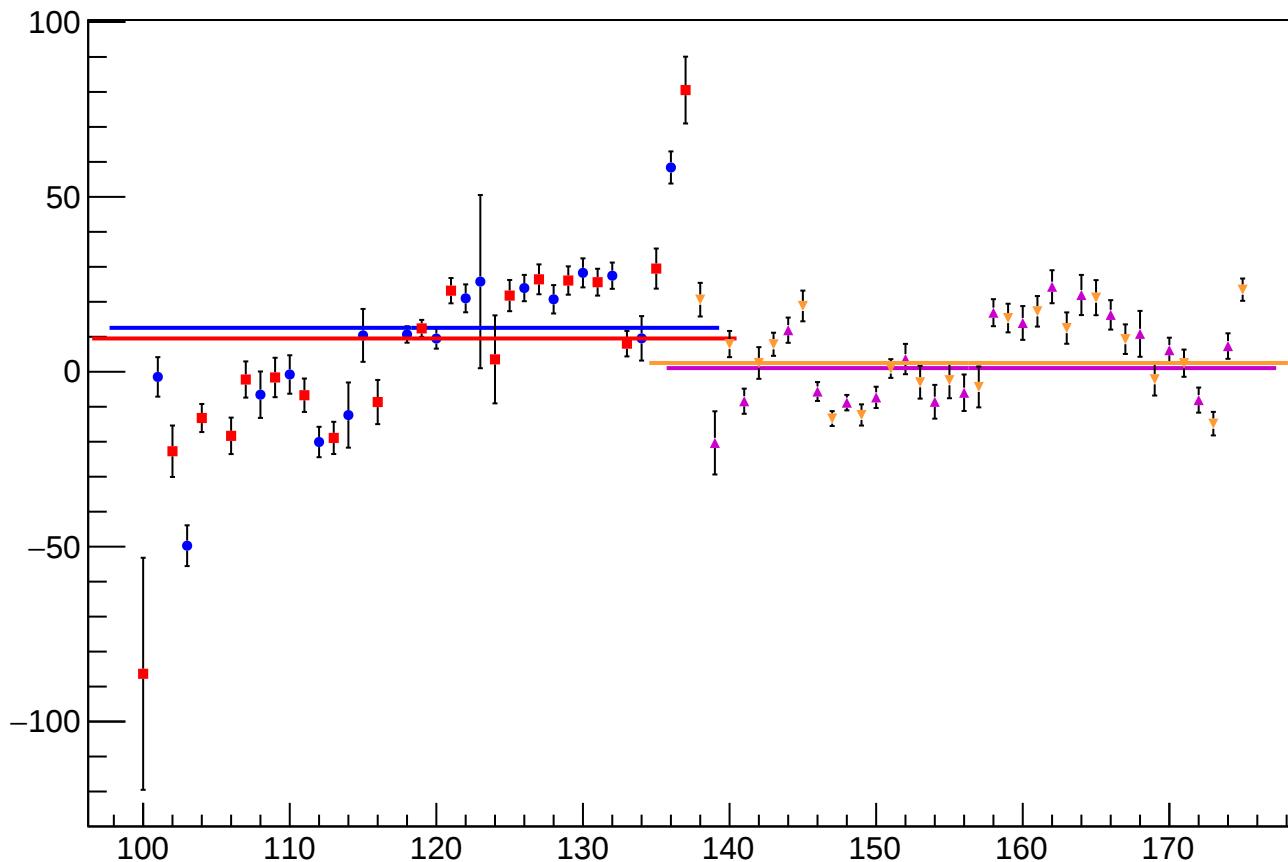
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 223.720+/-1.249 χ^2/NDF :949.2/17

Out: 197.605+/-1.164 χ^2/NDF :4177.4/19

All: 209.751+/-0.852 χ^2/NDF : 5360.6/37

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: 2.517+/-0.832 χ^2/NDF : 229.7/19

Right Out: 9.519+/-1.051 χ^2/NDF : 296.2/18

Left In: 1.051+/-0.896 χ^2/NDF : 149.8/17

Left: 1.838+/-0.610 χ^2/NDF : 381.0/37

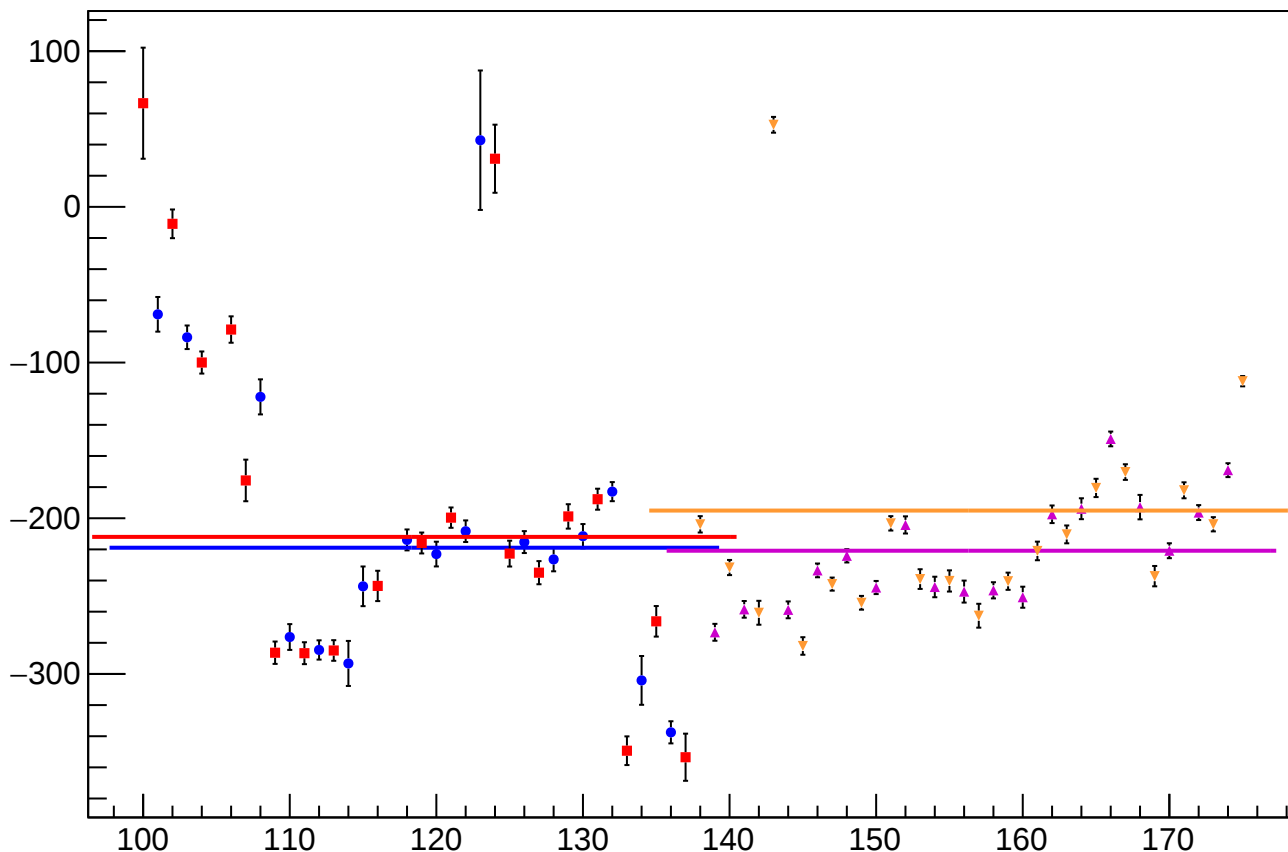
Right: 11.033+/-0.745 χ^2/NDF : 648.2/35

In: 5.869+/-0.683 χ^2/NDF : 566.7/34

Out: 5.217+/-0.652 χ^2/NDF : 553.3/38

All: 5.528+/-0.472 χ^2/NDF : 1120.5/73

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -218.925 ± 2.006 $\chi^2/\text{NDF}: 1146.6/16$

Left Out: -195.059 ± 1.159 $\chi^2/\text{NDF}: 4039.9/19$

Right Out: -211.968 ± 1.924 $\chi^2/\text{NDF}: 1886.2/18$

Left In: -220.860 ± 1.239 $\chi^2/\text{NDF}: 747.5/17$

Left: -207.103 ± 0.846 $\chi^2/\text{NDF}: 5018.7/37$

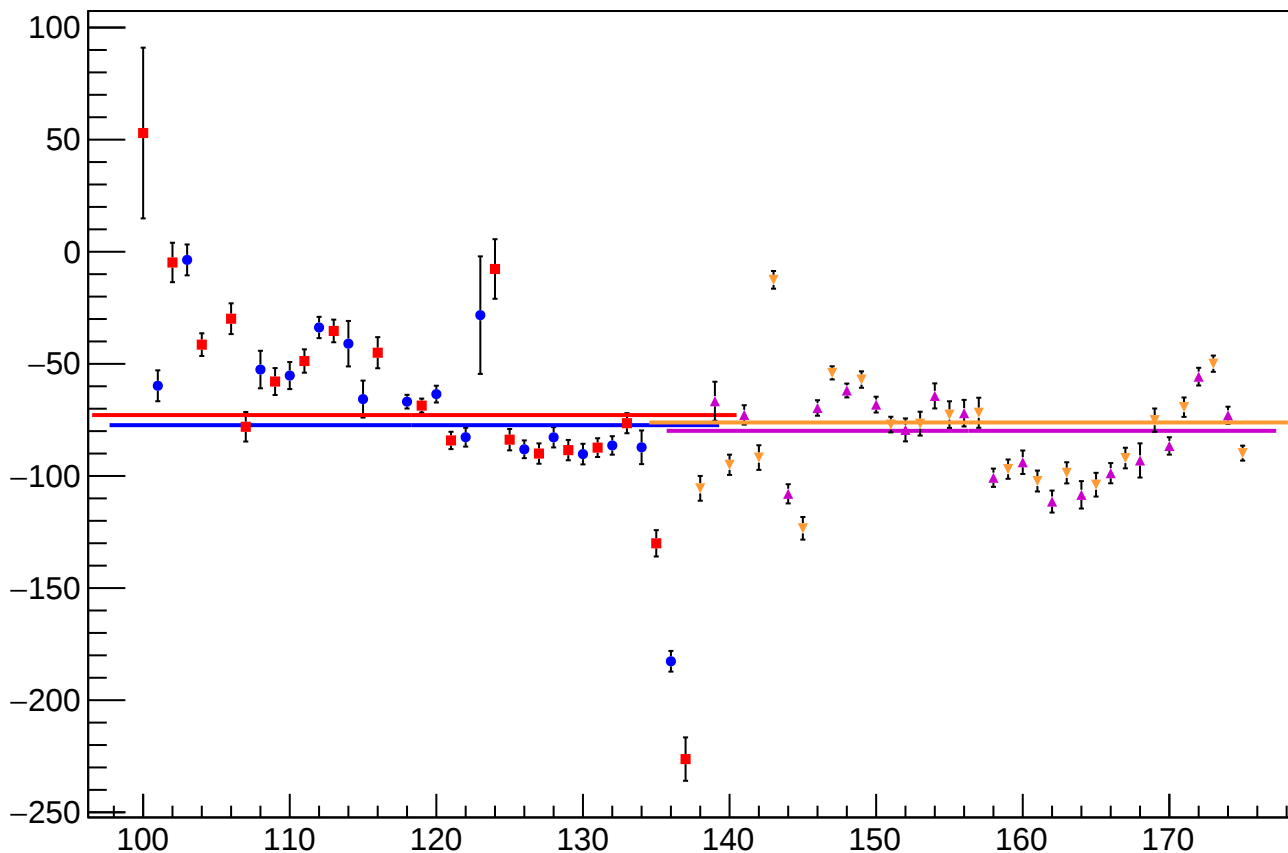
Right: -215.302 ± 1.389 $\chi^2/\text{NDF}: 3039.1/35$

In: -220.326 ± 1.054 $\chi^2/\text{NDF}: 1894.8/34$

Out: -199.559 ± 0.993 $\chi^2/\text{NDF}: 5982.7/38$

All: -209.323 ± 0.723 $\chi^2/\text{NDF}: 8083.2/73$

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: -76.141 ± 0.971 χ^2/NDF : 673.6/19

Right Out: -72.836 ± 1.209 χ^2/NDF : 672.9/18

Left In: -79.865 ± 1.043 χ^2/NDF : 272.4/17

Left: -77.869 ± 0.711 χ^2/NDF : 952.8/37

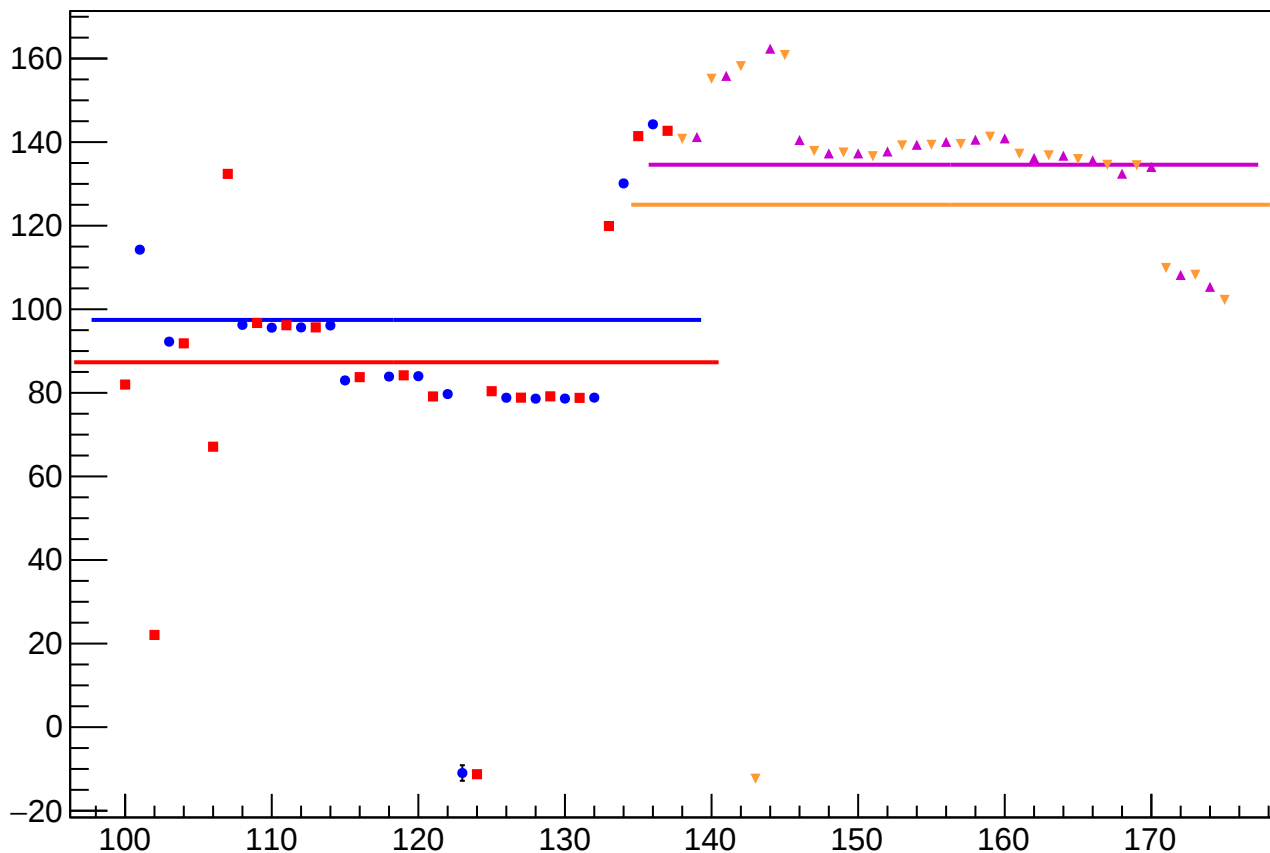
Right: -75.069 ± 0.858 χ^2/NDF : 1497.0/35

In: -78.799 ± 0.793 χ^2/NDF : 1092.1/34

Out: -74.844 ± 0.757 χ^2/NDF : 1351.0/38

All: -76.730 ± 0.547 χ^2/NDF : 2456.1/73

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 97.452+/-0.073 χ^2/NDF : 94476.4/16

Left Out: 125.017+/-0.047 χ^2/NDF : 598781.1/19

Right Out: 87.315+/-0.068 χ^2/NDF : 221837.7/18

Left In: 134.587+/-0.049 χ^2/NDF : 85127.4/17

Left: 129.621+/-0.034 χ^2/NDF : 704105.1/37

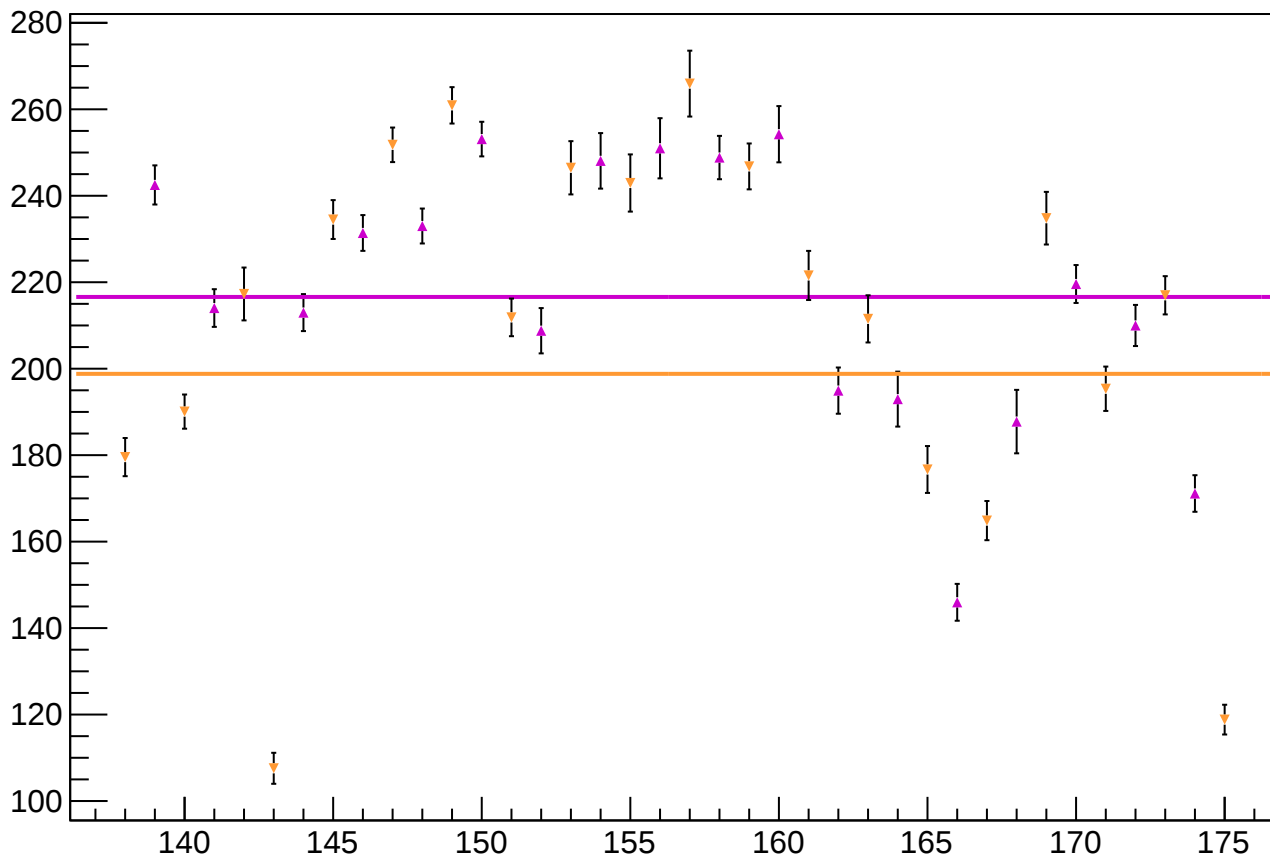
Right: 92.024+/-0.050 χ^2/NDF : 326563.7/35

In: 123.269+/-0.040 χ^2/NDF : 358214.9/34

Out: 112.988+/-0.039 χ^2/NDF : 1028466.5/38

All: 117.881+/-0.028 χ^2/NDF : 1420546.7/73

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: 198.807+/-1.060 χ^2/NDF :2096.1/19

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

Left In: 216.597+/-1.141 χ^2/NDF :710.0/17

Left: 207.046+/-0.776 χ^2/NDF : 2936.7/37

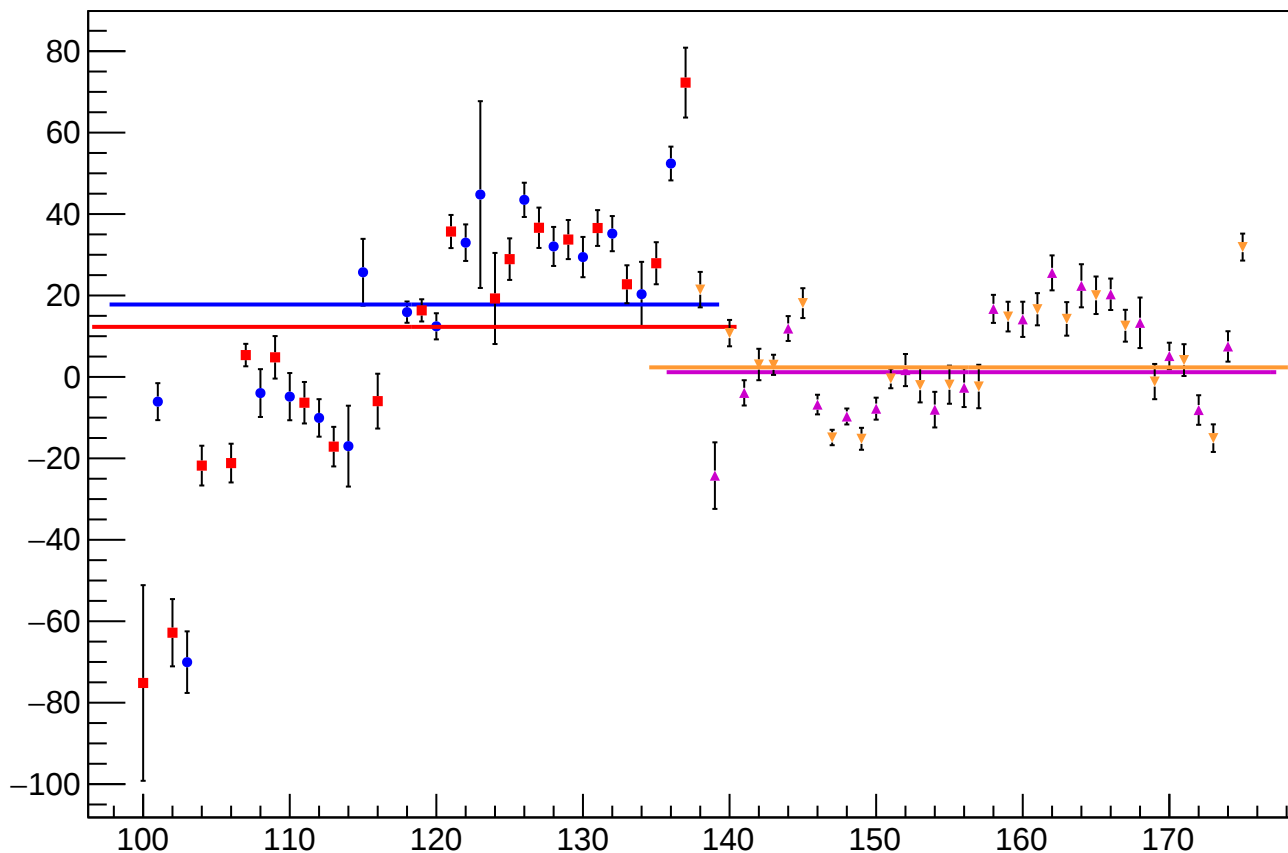
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 216.597+/-1.141 χ^2/NDF :710.0/17

Out: 198.807+/-1.060 χ^2/NDF :2096.1/19

All: 207.046+/-0.776 χ^2/NDF : 2936.7/37

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.786+/-1.146 χ^2/NDF : 395.1/16

Left Out: 2.350+/-0.748 χ^2/NDF : 335.0/19

Right Out: 12.294+/-1.086 χ^2/NDF : 443.7/18

Left In: 1.164+/-0.811 χ^2/NDF : 199.5/17

Left: 1.805+/-0.550 χ^2/NDF : 535.7/37

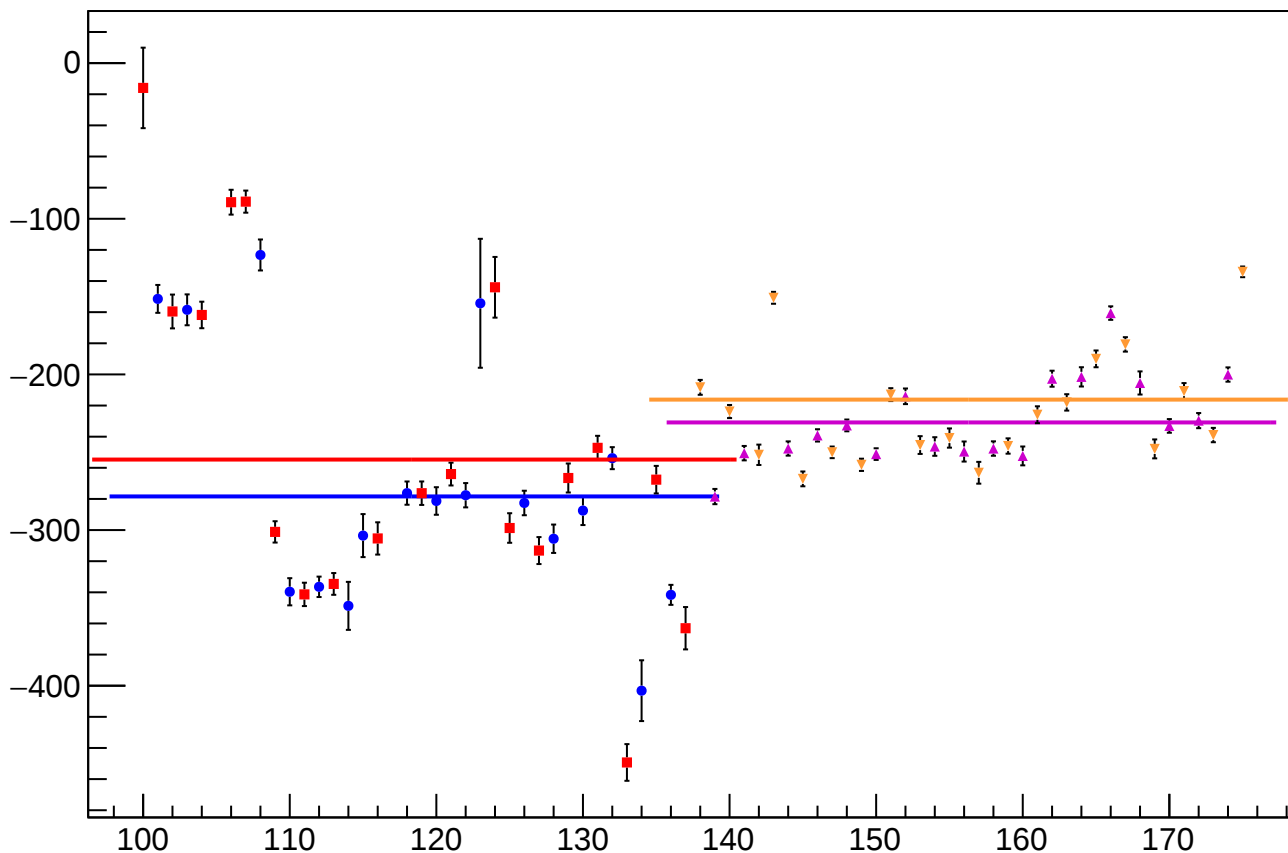
Right: 14.891+/-0.788 χ^2/NDF : 850.9/35

In: 6.712+/-0.662 χ^2/NDF : 734.7/34

Out: 5.550+/-0.616 χ^2/NDF : 835.6/38

All: 6.089+/-0.451 χ^2/NDF : 1572.0/73

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: -216.185 ± 1.056 $\chi^2/\text{NDF}: 1470.4/19$

Right Out: -254.703 ± 2.020 $\chi^2/\text{NDF}: 2038.5/18$

Left In: -230.853 ± 1.130 $\chi^2/\text{NDF}: 583.3/17$

Left: -223.027 ± 0.772 $\chi^2/\text{NDF}: 2143.7/37$

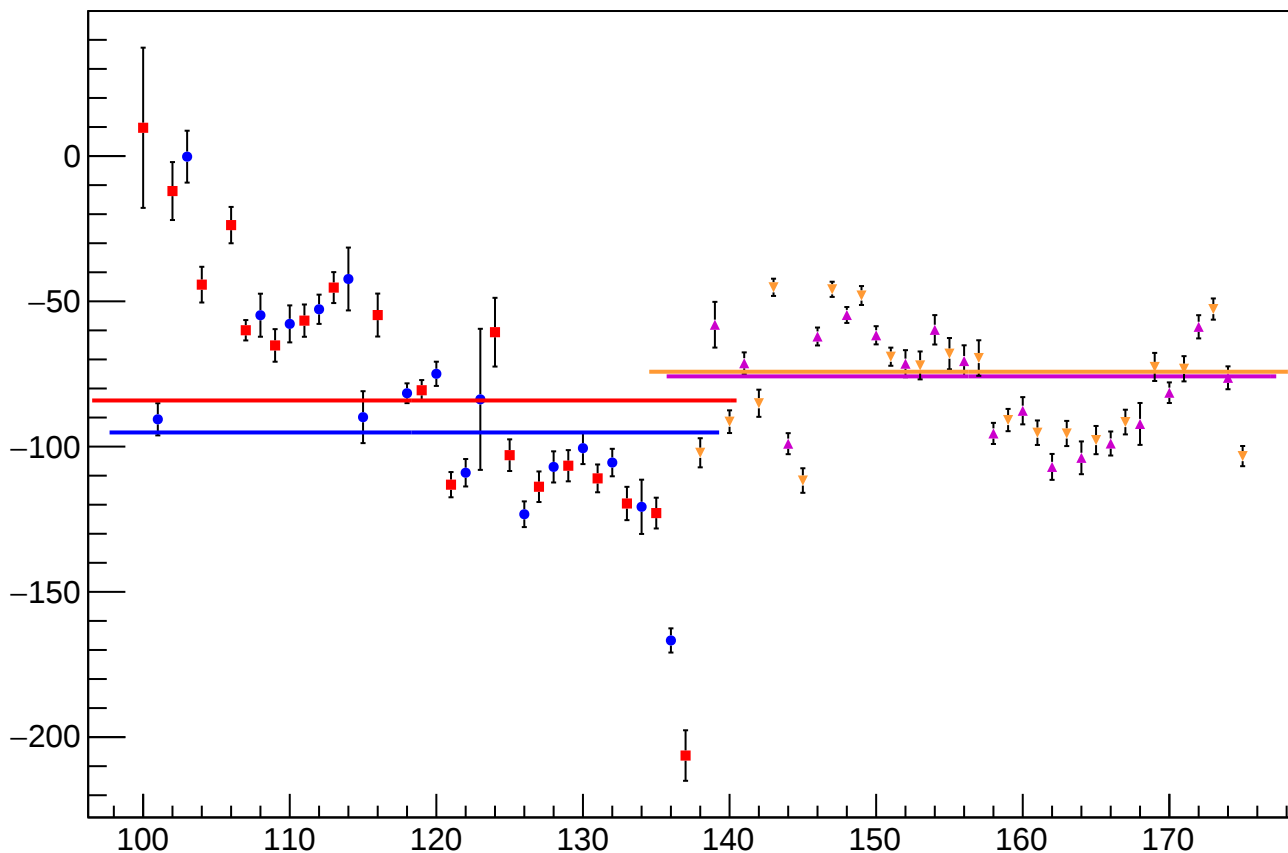
Right: -265.715 ± 1.478 $\chi^2/\text{NDF}: 3013.0/35$

In: -241.008 ± 1.002 $\chi^2/\text{NDF}: 1872.1/34$

Out: -224.455 ± 0.936 $\chi^2/\text{NDF}: 3794.4/38$

All: -232.170 ± 0.684 $\chi^2/\text{NDF}: 5812.3/73$

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -95.135 ± 1.322 $\chi^2/\text{NDF}: 674.9/16$

Left Out: -74.230 ± 0.878 $\chi^2/\text{NDF}: 630.6/19$

Right Out: -84.124 ± 1.259 $\chi^2/\text{NDF}: 782.9/18$

Left In: -75.829 ± 0.949 $\chi^2/\text{NDF}: 325.3/17$

Left: -74.968 ± 0.644 $\chi^2/\text{NDF}: 957.4/37$

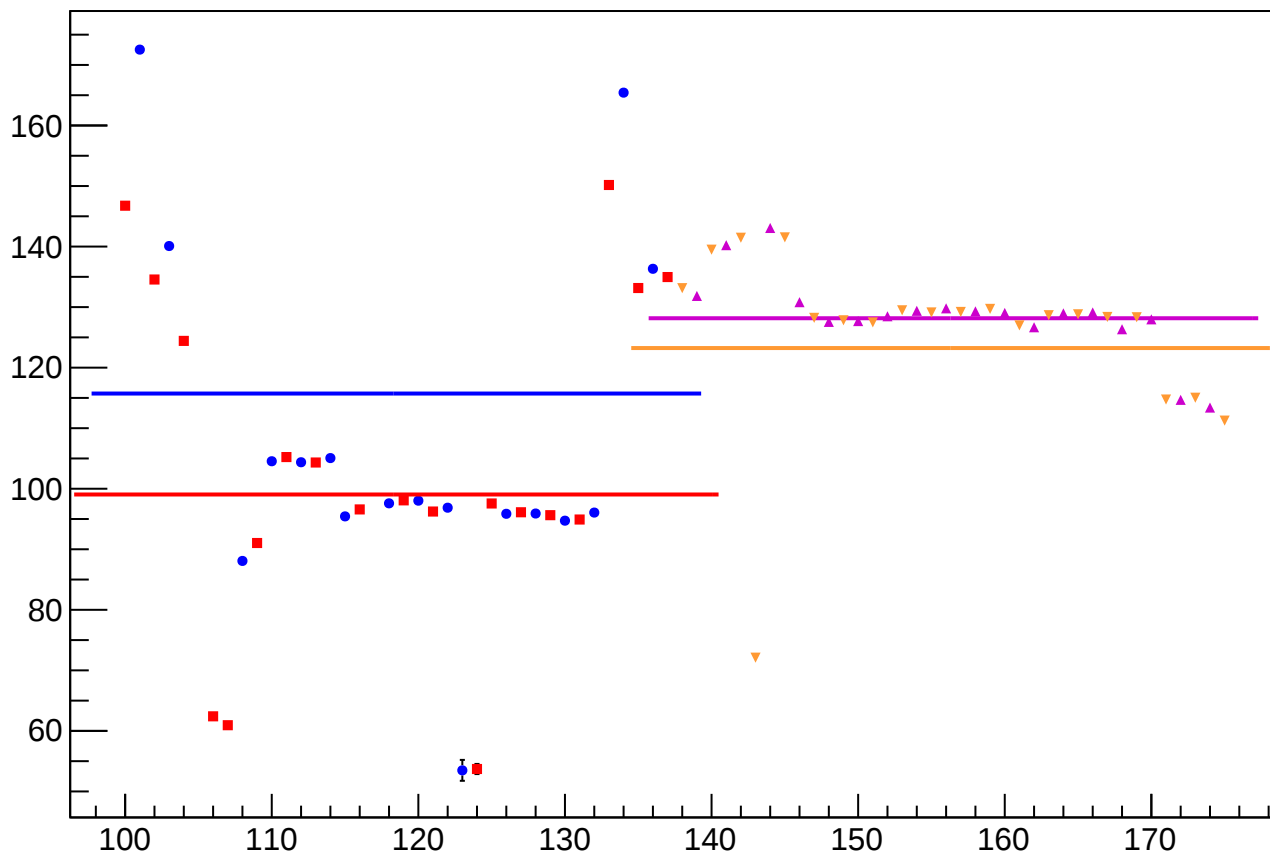
Right: -89.357 ± 0.912 $\chi^2/\text{NDF}: 1494.2/35$

In: -82.390 ± 0.771 $\chi^2/\text{NDF}: 1140.9/34$

Out: -77.468 ± 0.720 $\chi^2/\text{NDF}: 1455.0/38$

All: -79.761 ± 0.526 $\chi^2/\text{NDF}: 2617.7/73$

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 115.724 $\pm$ 0.078 χ^2 /NDF: 106388.1/16

Left Out: 123.238 $\pm$ 0.043 χ^2 /NDF:154305.8/19

Right Out: 99.049 $\pm$ 0.069 χ^2 /NDF: 173463.3/18

Left In: 128.162 $\pm$ 0.044 χ^2 /NDF:24560.2/17

Left: 125.593 $\pm$ 0.031 χ^2 /NDF: 185272.5/37

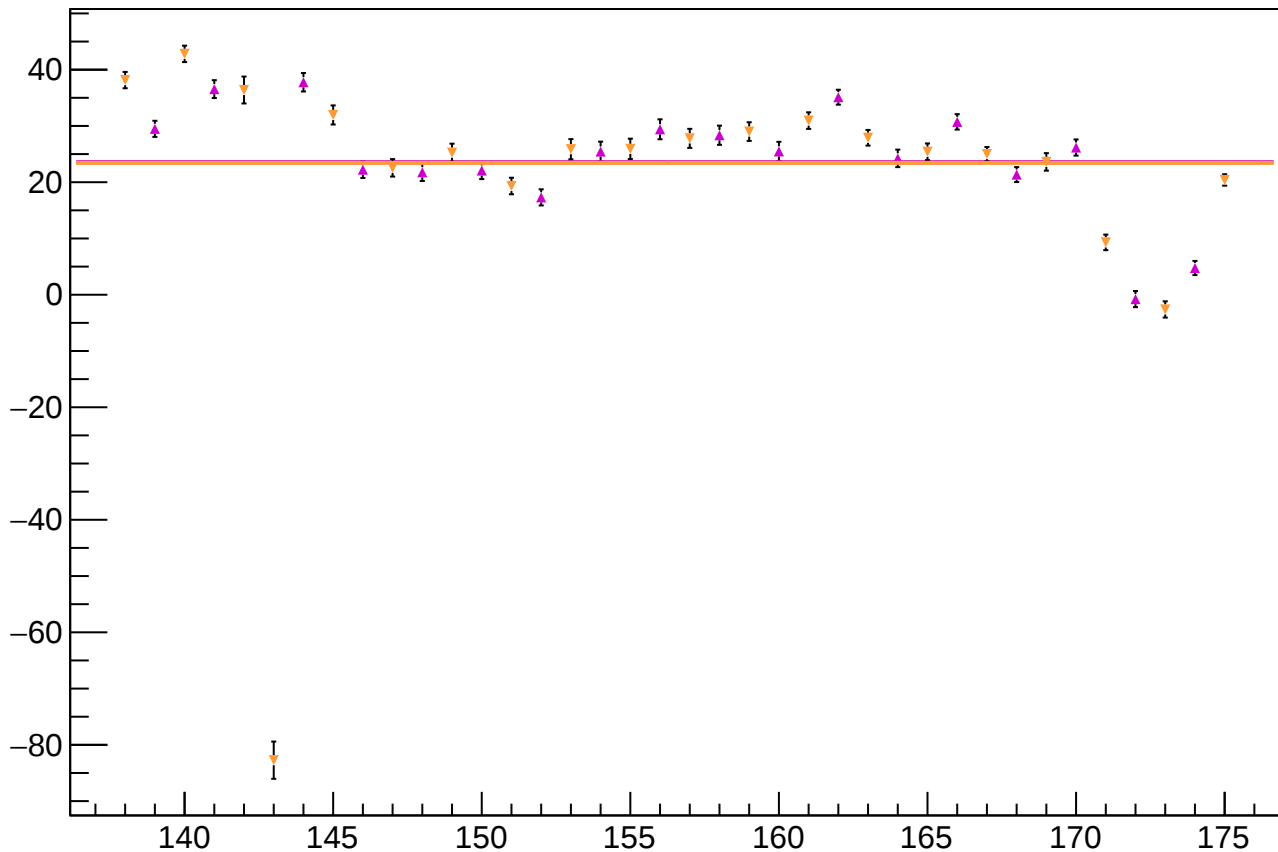
Right: 106.312 $\pm$ 0.051 χ^2 /NDF: 305658.4/35

In: 125.113 $\pm$ 0.039 χ^2 /NDF:150154.2/34

Out: 116.504 $\pm$ 0.036 χ^2 /NDF:417741.3/38

All: 120.526 $\pm$ 0.026 χ^2 /NDF: 594396.3/73

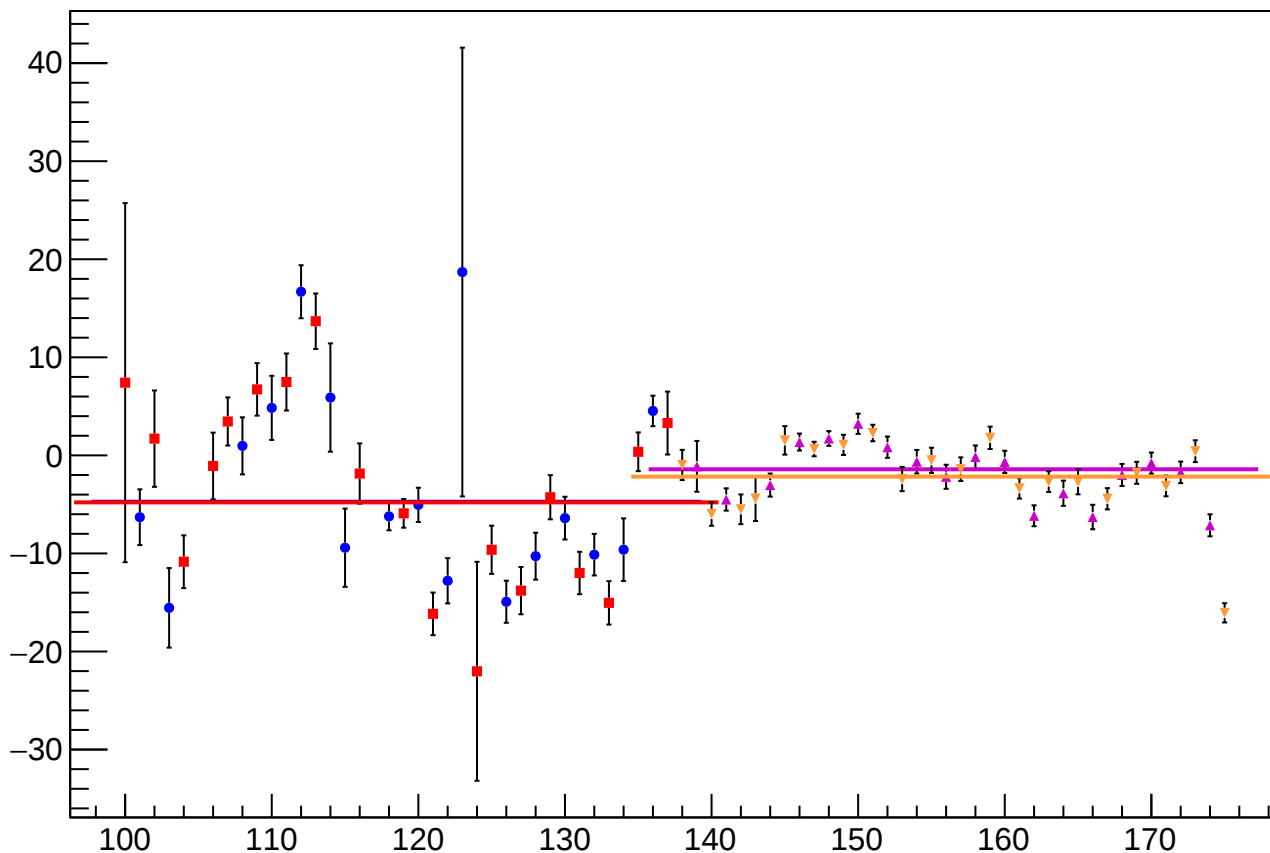
reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 23.442 $\pm$ 0.341 χ^2 /NDF:1870.3/19
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 23.558 $\pm$ 0.352 χ^2 /NDF:824.4/17

Left: 23.498 $\pm$ 0.245 χ^2 /NDF: 2694.8/37
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 23.558 $\pm$ 0.352 χ^2 /NDF:824.4/17
 Out: 23.442 $\pm$ 0.341 χ^2 /NDF:1870.3/19
 All: 23.498 $\pm$ 0.245 χ^2 /NDF: 2694.8/37

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: -2.166 ± 0.250 χ^2/NDF : 302.3/19

Right Out: -4.793 ± 0.586 χ^2/NDF : 193.5/18

Left In: -1.418 ± 0.260 χ^2/NDF : 129.2/17

Left: -1.806 ± 0.180 χ^2/NDF : 435.8/37

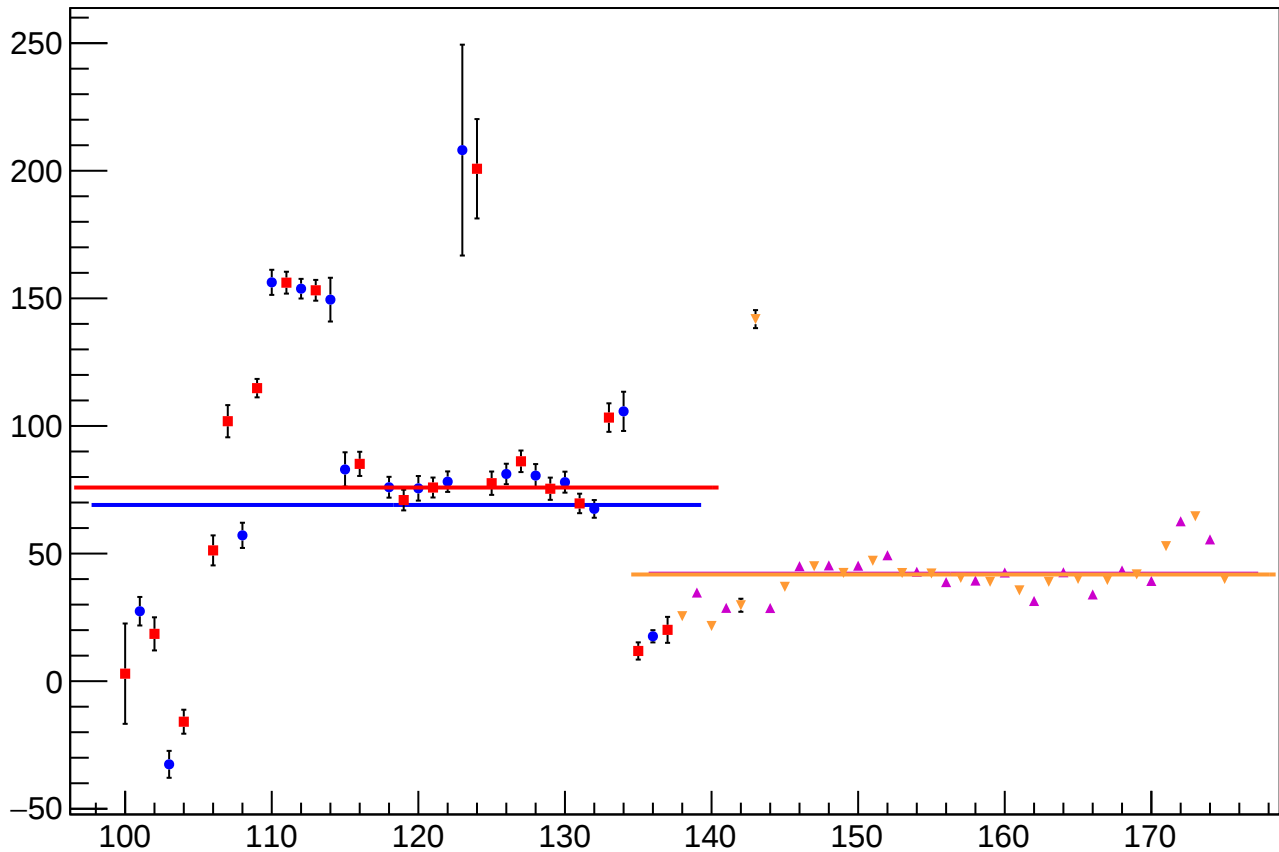
Right: -4.761 ± 0.412 χ^2/NDF : 368.3/35

In: -1.973 ± 0.237 χ^2/NDF : 331.3/34

Out: -2.572 ± 0.230 χ^2/NDF : 512.7/38

All: -2.282 ± 0.165 χ^2/NDF : 847.3/73

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 69.048 $\pm$ 1.077 χ^2 /NDF: 1847.9/16

Left Out: 41.805 $\pm$ 0.337 χ^2 /NDF:1455.6/19

Right Out: 75.878 $\pm$ 1.069 χ^2 /NDF: 1895.0/18

Left In: 42.127 $\pm$ 0.349 χ^2 /NDF:596.4/17

Left: 41.961 $\pm$ 0.242 χ^2 /NDF: 2052.4/37

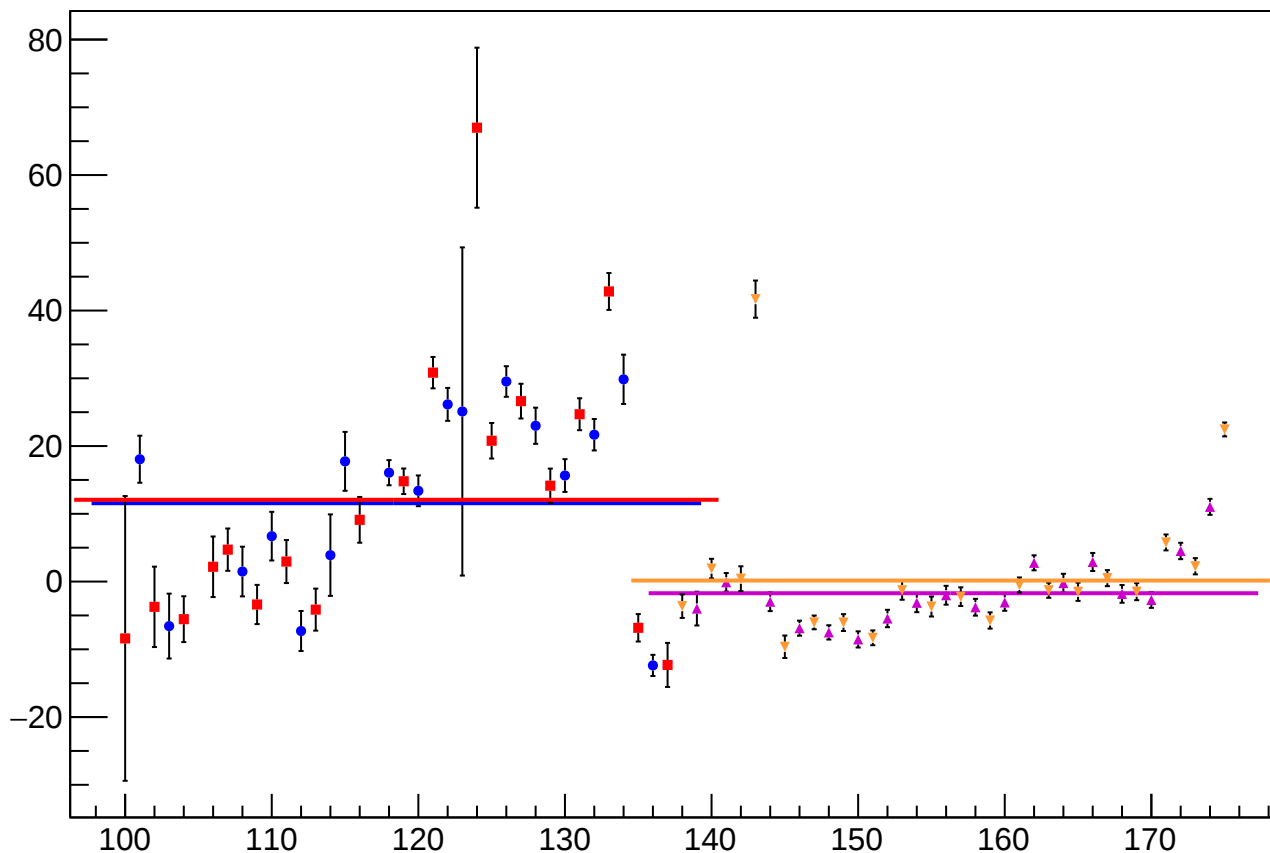
Right: 72.486 $\pm$ 0.759 χ^2 /NDF: 3763.1/35

In: 44.682 $\pm$ 0.332 χ^2 /NDF:3010.2/34

Out: 44.883 $\pm$ 0.321 χ^2 /NDF:4273.9/38

All: 44.786 $\pm$ 0.231 χ^2 /NDF: 7284.2/73

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.565 $\pm$ 0.658 χ^2 /NDF: 478.2/16

Left Out: 0.152 $\pm$ 0.287 χ^2 /NDF: 929.4/19

Right Out: 12.071 $\pm$ 0.665 χ^2 /NDF: 543.3/18

Left In: -1.722 $\pm$ 0.299 χ^2 /NDF: 274.4/17

Left: -0.748 $\pm$ 0.207 χ^2 /NDF: 1224.3/37

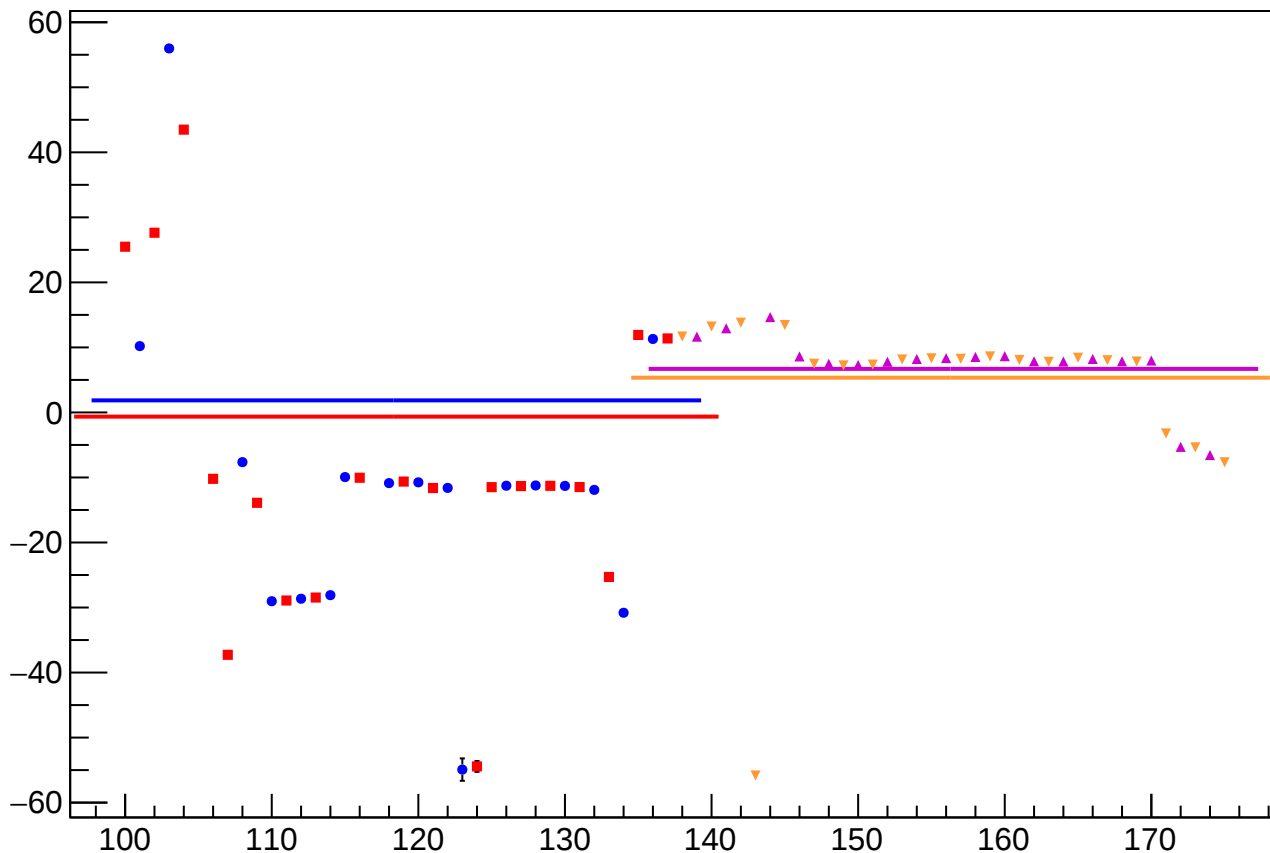
Right: 11.816 $\pm$ 0.468 χ^2 /NDF: 1021.8/35

In: 0.547 $\pm$ 0.272 χ^2 /NDF: 1090.5/34

Out: 2.027 $\pm$ 0.264 χ^2 /NDF: 1743.8/38

All: 1.310 $\pm$ 0.189 χ^2 /NDF: 2849.6/73

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.855 ± 0.037 $\chi^2/\text{NDF}: 359414.1/16$

Left Out: 5.342 ± 0.013 $\chi^2/\text{NDF}: 396059.0/19$

Right Out: -0.644 ± 0.037 $\chi^2/\text{NDF}: 361625.7/18$

Left In: 6.697 ± 0.013 $\chi^2/\text{NDF}: 159132.1/17$

Left: 6.010 ± 0.009 $\chi^2/\text{NDF}: 560296.6/37$

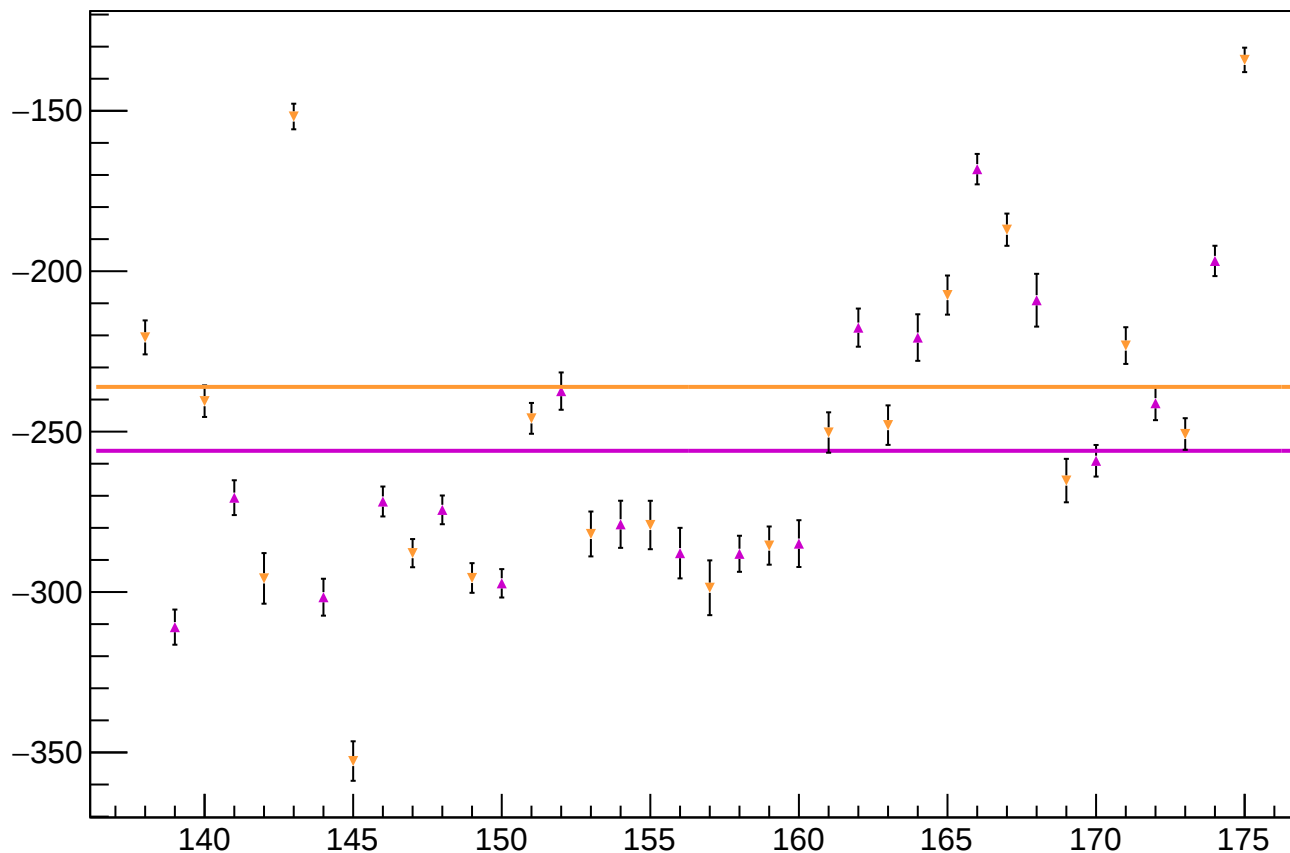
Right: 0.608 ± 0.026 $\chi^2/\text{NDF}: 723318.4/35$

In: 6.128 ± 0.013 $\chi^2/\text{NDF}: 533659.9/34$

Out: 4.658 ± 0.013 $\chi^2/\text{NDF}: 780804.9/38$

All: 5.385 ± 0.009 $\chi^2/\text{NDF}: 1321272.5/73$

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: -236.058+/-1.209 χ^2/NDF :2253.7/19

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

Left In: -255.979+/-1.305 χ^2/NDF :976.4/17

Left: -245.255+/-0.887 χ^2/NDF : 3355.5/37

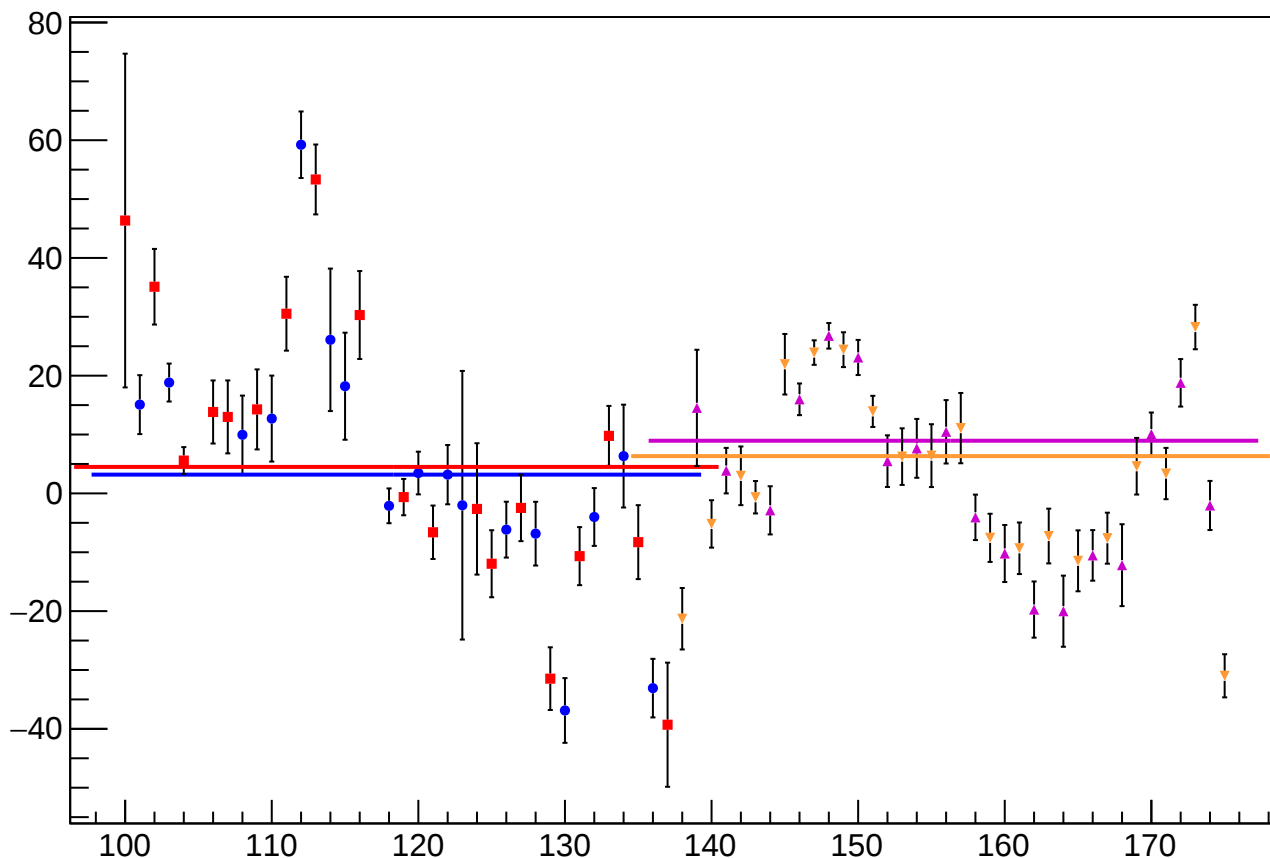
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -255.979+/-1.305 χ^2/NDF :976.4/17

Out: -236.058+/-1.209 χ^2/NDF :2253.7/19

All: -245.255+/-0.887 χ^2/NDF : 3355.5/37

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: 6.331 ± 0.848 χ^2/NDF : 362.9/19

Right Out: 4.497 ± 1.160 χ^2/NDF : 225.4/18

Left In: 8.944 ± 0.923 χ^2/NDF : 236.7/17

Left: 7.527 ± 0.624 χ^2/NDF : 604.0/37

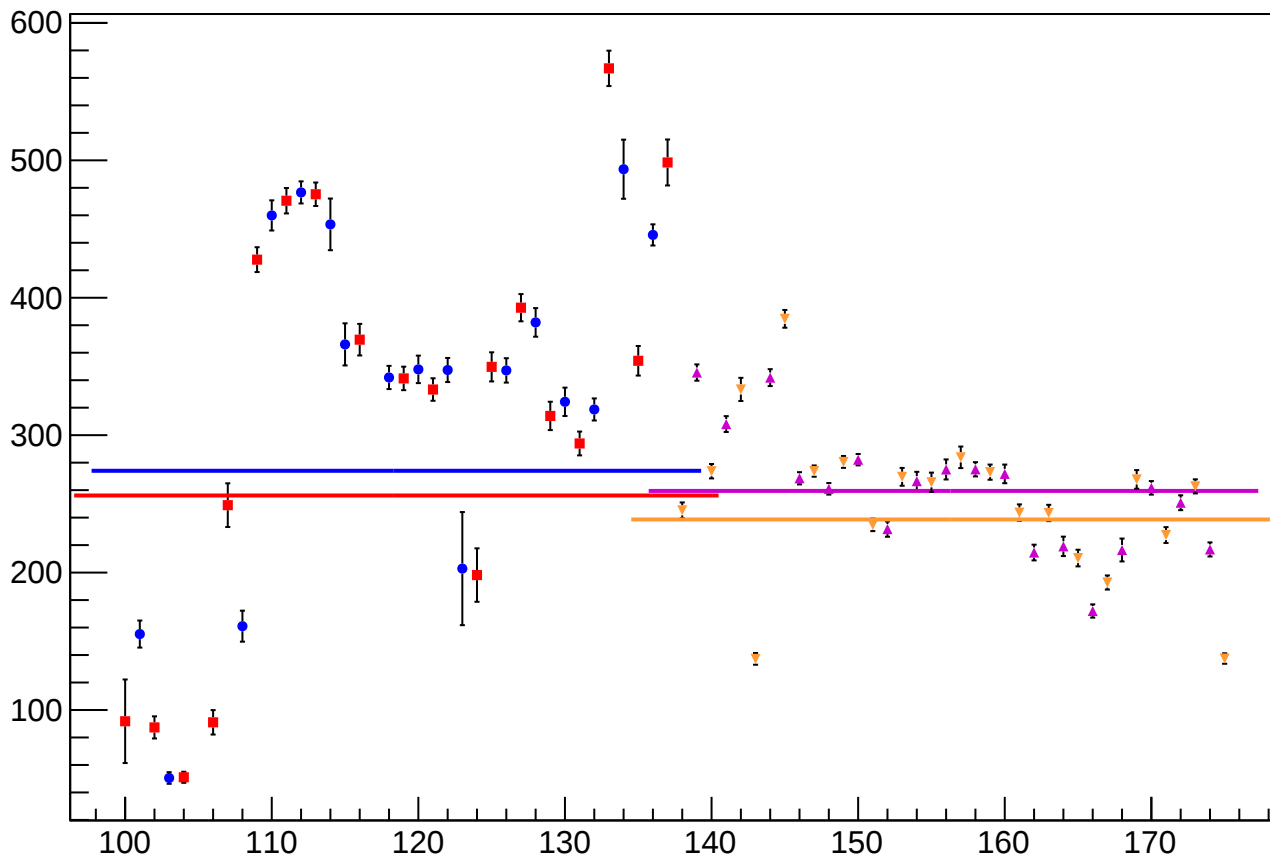
Right: 3.879 ± 0.842 χ^2/NDF : 481.7/35

In: 6.862 ± 0.737 χ^2/NDF : 506.5/34

Out: 5.692 ± 0.684 χ^2/NDF : 590.0/38

All: 6.234 ± 0.501 χ^2/NDF : 1097.8/73

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 274.079 $\pm$ 2.191 χ^2/NDF : 5112.0/16

Left Out: 238.640 $\pm$ 1.201 χ^2/NDF :2383.9/19

Right Out: 256.109 $\pm$ 2.080 χ^2/NDF : 6444.1/18

Left In: 259.434 $\pm$ 1.288 χ^2/NDF :1058.4/17

Left: 248.308 $\pm$ 0.878 χ^2/NDF : 3581.7/37

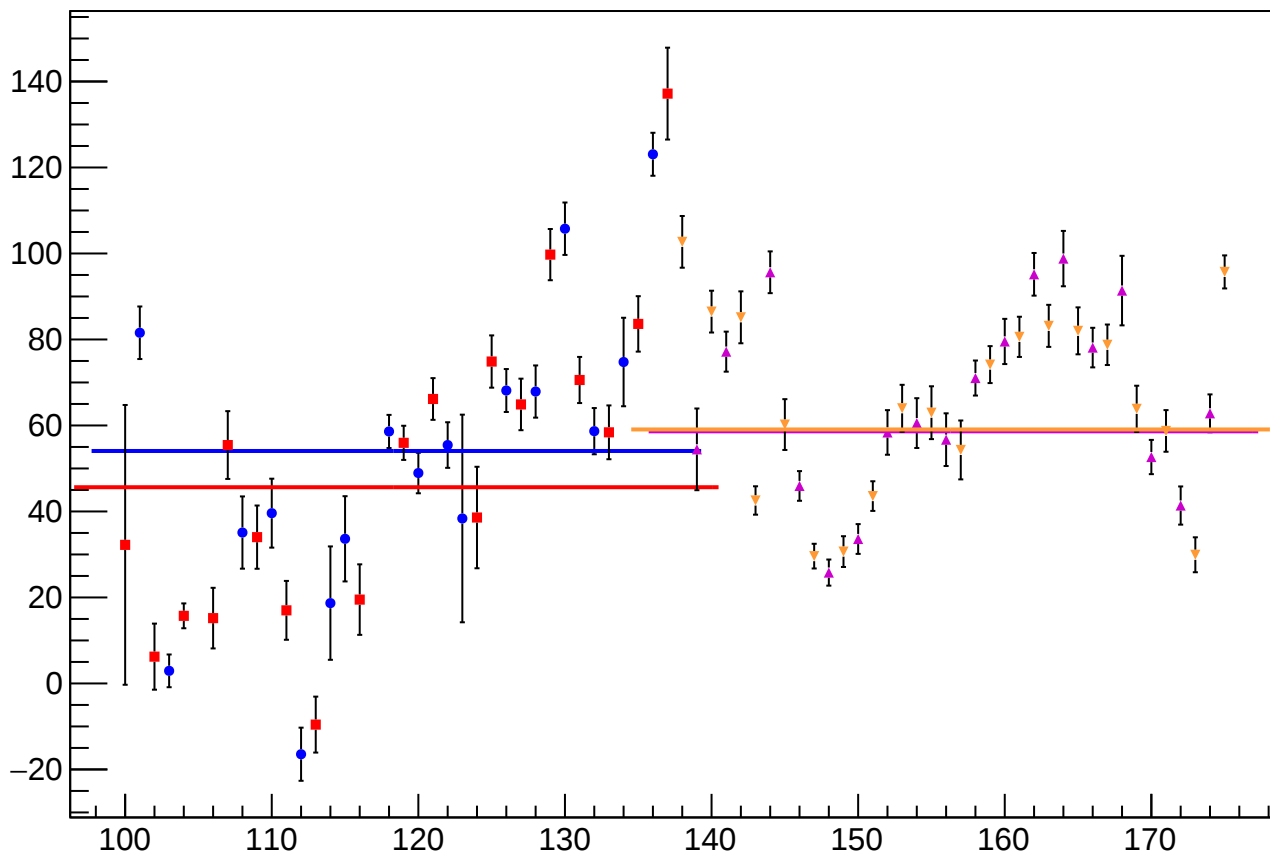
Right: 264.628 $\pm$ 1.509 χ^2/NDF : 11591.4/35

In: 263.196 $\pm$ 1.110 χ^2/NDF :6203.6/34

Out: 243.006 $\pm$ 1.040 χ^2/NDF :8880.8/38

All: 252.439 $\pm$ 0.759 χ^2/NDF : 15260.6/73

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: 59.074 $\pm$ 0.996 χ^2 /NDF:554.3/19

Right Out: 45.637 $\pm$ 1.359 χ^2 /NDF: 530.8/18

Left In: 58.632 $\pm$ 1.079 χ^2 /NDF:427.9/17

Left: 58.871 $\pm$ 0.732 χ^2 /NDF: 982.3/37

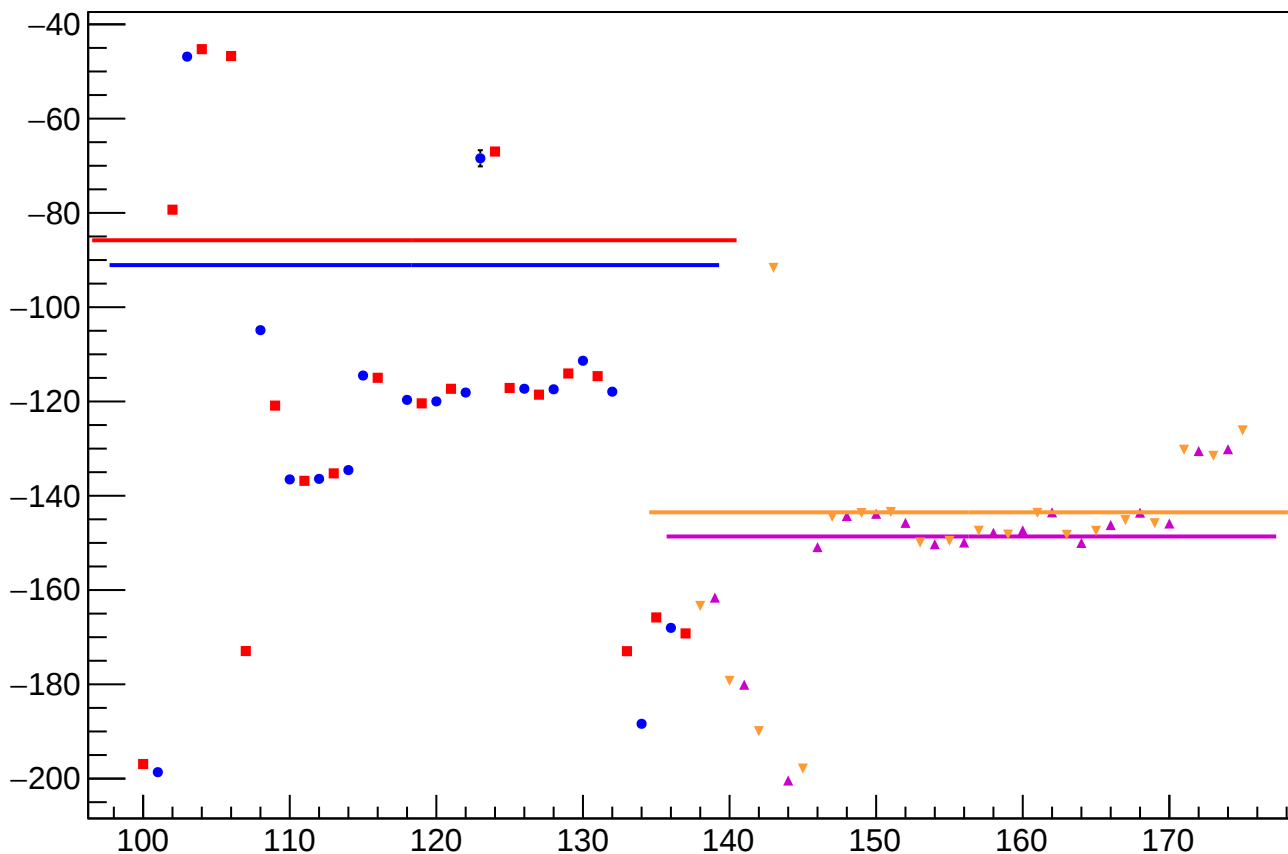
Right: 49.665 $\pm$ 0.982 χ^2 /NDF: 1183.6/35

In: 56.960 $\pm$ 0.859 χ^2 /NDF:1068.8/34

Out: 54.380 $\pm$ 0.803 χ^2 /NDF:1148.7/38

All: 55.583 $\pm$ 0.587 χ^2 /NDF: 2222.3/73

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: -143.509 $\pm$ 0.048 χ^2/NDF : 208319.2/19

Right Out: -85.803 $\pm$ 0.065 χ^2/NDF : 495895.1/18

Left In: -148.638 $\pm$ 0.051 χ^2/NDF : 80498.3/17

Left: -145.959 $\pm$ 0.035 χ^2/NDF : 294177.6/37

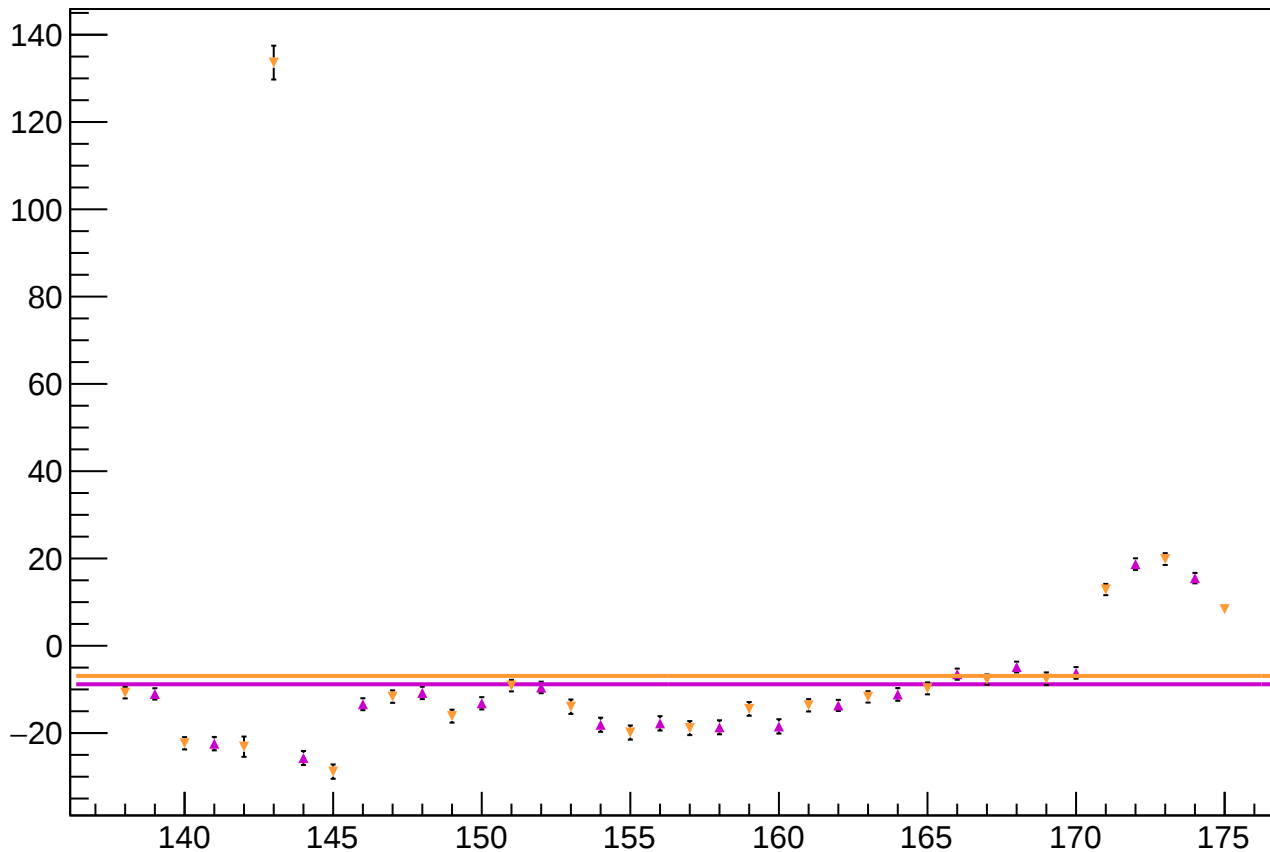
Right: -88.339 $\pm$ 0.047 χ^2/NDF : 1033703.0/35

In: -127.928 $\pm$ 0.041 χ^2/NDF : 1080352.5/34

Out: -122.934 $\pm$ 0.039 χ^2/NDF : 1210722.4/38

All: -125.326 $\pm$ 0.028 χ^2/NDF : 2298993.3/73

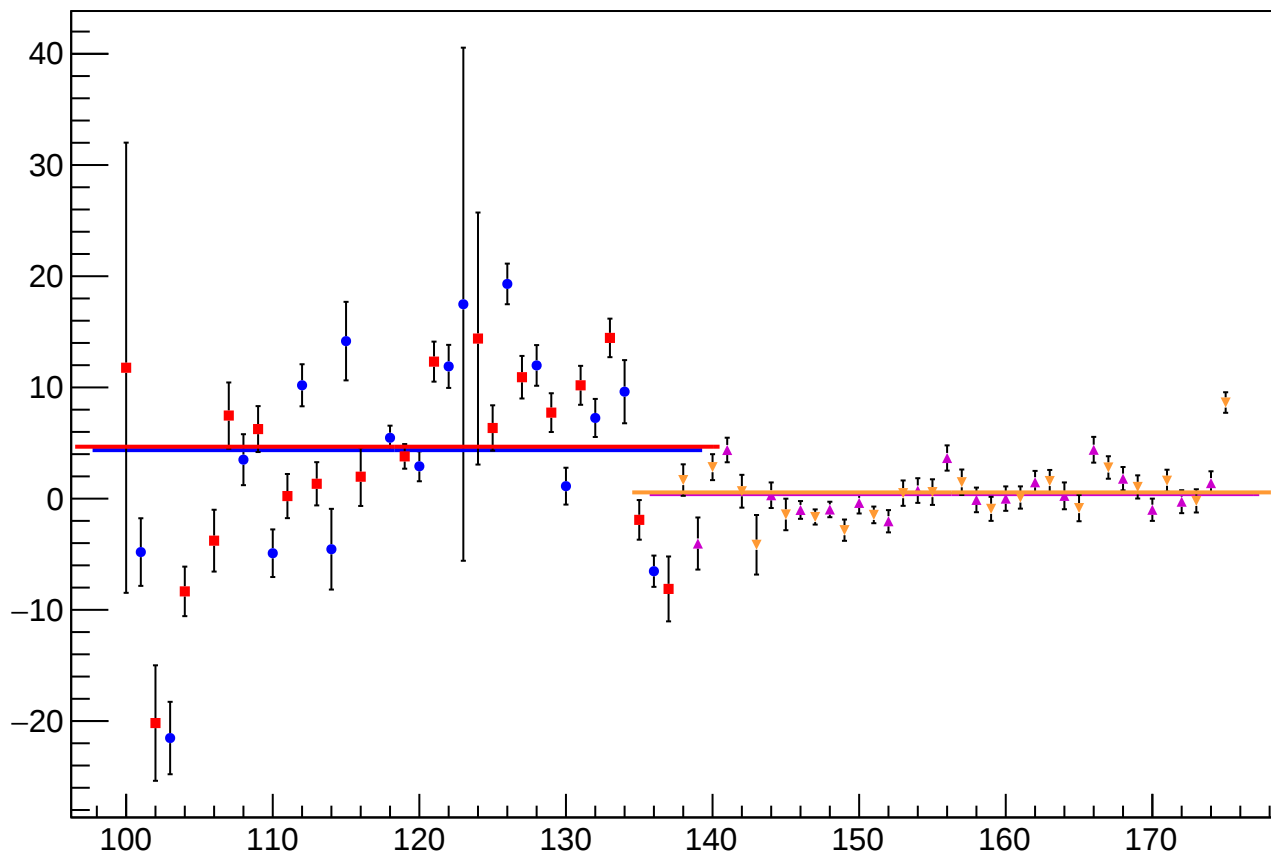
reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -6.910+/-0.319 χ^2/NDF : 2801.1/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -8.822+/-0.330 χ^2/NDF : 1222.4/17

Left: -7.835+/-0.229 χ^2/NDF : 4040.9/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -8.822+/-0.330 χ^2/NDF : 1222.4/17
 Out: -6.910+/-0.319 χ^2/NDF : 2801.1/19
 All: -7.835+/-0.229 χ^2/NDF : 4040.9/37

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.361 $\pm$ 0.464 χ^2 /NDF: 286.5/16

Left Out: 0.561 $\pm$ 0.234 χ^2 /NDF:128.3/19

Right Out: 4.670 $\pm$ 0.474 χ^2 /NDF: 185.4/18

Left In: 0.406 $\pm$ 0.244 χ^2 /NDF:56.8/17

Left: 0.486 $\pm$ 0.169 χ^2 /NDF: 185.4/37

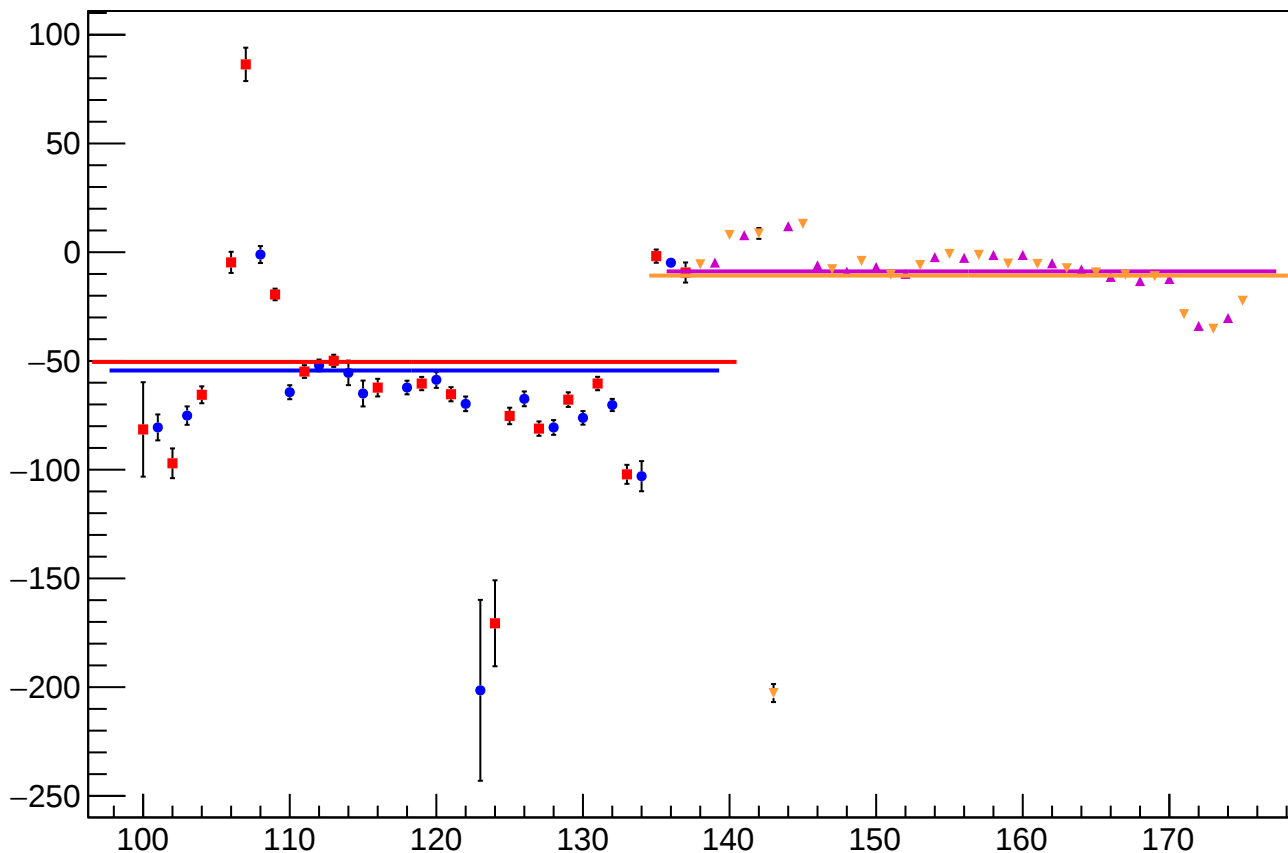
Right: 4.512 $\pm$ 0.332 χ^2 /NDF: 472.1/35

In: 1.260 $\pm$ 0.216 χ^2 /NDF:400.2/34

Out: 1.367 $\pm$ 0.210 χ^2 /NDF:374.1/38

All: 1.315 $\pm$ 0.150 χ^2 /NDF: 774.4/73

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -54.392 $\pm$ 0.863 χ^2 /NDF: 1013.4/16

Left Out: -10.749 $\pm$ 0.315 χ^2 /NDF:3362.6/19

Right Out: -50.441 $\pm$ 0.857 χ^2 /NDF: 1324.7/18

Left In: -8.819 $\pm$ 0.326 χ^2 /NDF:995.7/17

Left: -9.816 $\pm$ 0.227 χ^2 /NDF: 4376.5/37

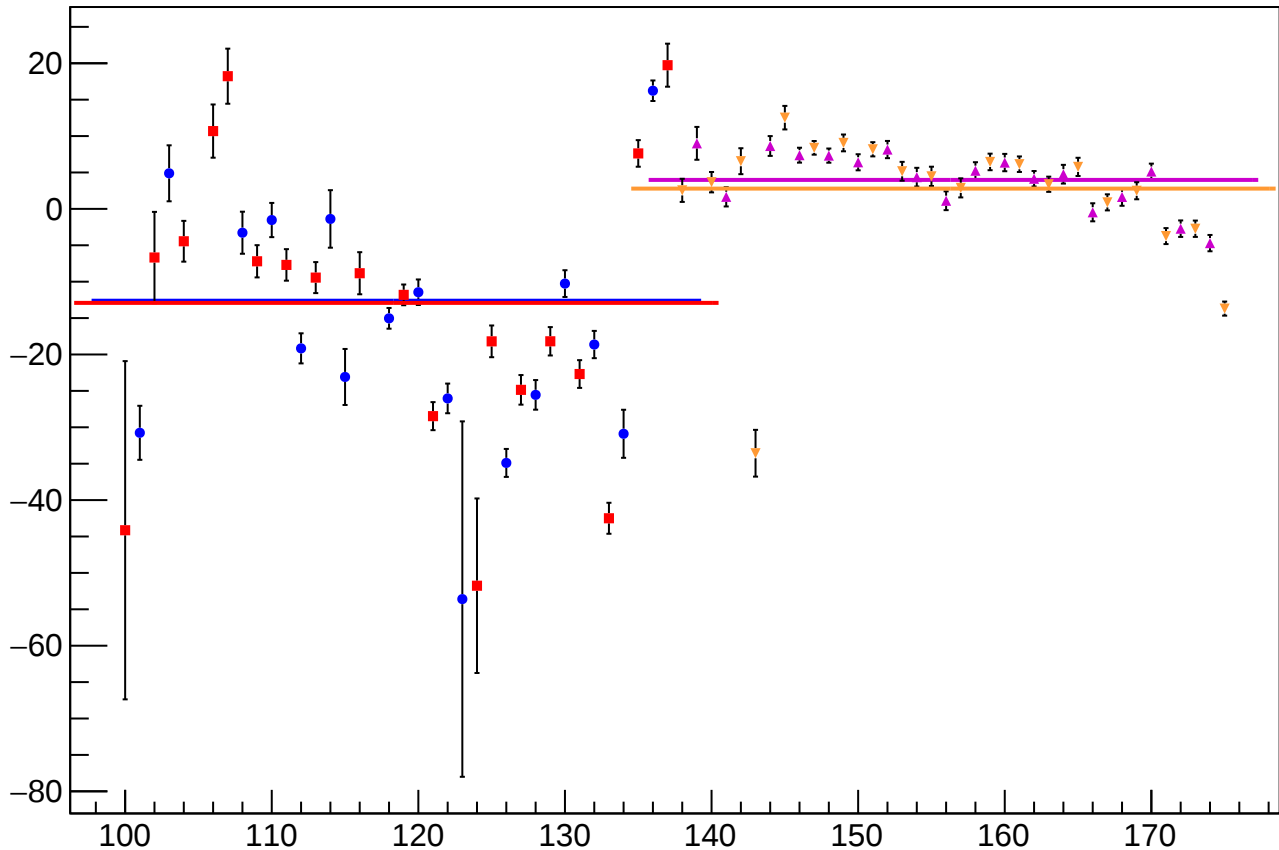
Right: -52.405 $\pm$ 0.608 χ^2 /NDF: 2348.7/35

In: -14.520 $\pm$ 0.305 χ^2 /NDF:4451.6/34

Out: -15.479 $\pm$ 0.296 χ^2 /NDF:6575.1/38

All: -15.014 $\pm$ 0.212 χ^2 /NDF: 11031.8/73

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.616 $\pm$ 0.530 χ^2/NDF : 788.2/16

Left Out: 2.784 $\pm$ 0.269 χ^2/NDF : 649.3/19

Right Out: -12.912 $\pm$ 0.538 χ^2/NDF : 730.2/18

Left In: 3.979 $\pm$ 0.280 χ^2/NDF : 183.0/17

Left: 3.357 $\pm$ 0.194 χ^2/NDF : 841.8/37

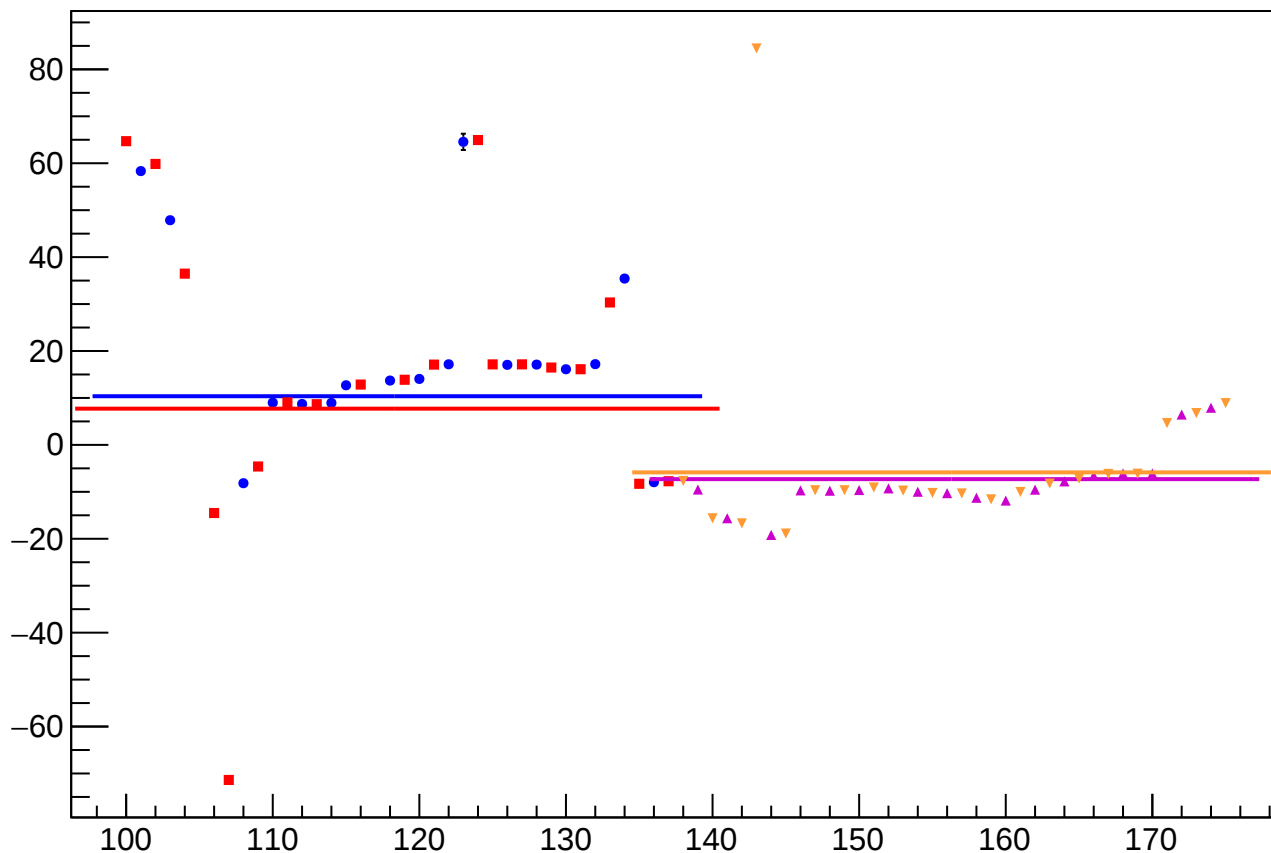
Right: -12.762 $\pm$ 0.378 χ^2/NDF : 1518.6/35

In: 0.357 $\pm$ 0.248 χ^2/NDF : 1737.2/34

Out: -0.349 $\pm$ 0.240 χ^2/NDF : 2060.3/38

All: -0.006 $\pm$ 0.173 χ^2/NDF : 3801.7/73

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: -5.856+/-0.012 χ^2/NDF : 636446.2/19

Right Out: 7.719+/-0.031 χ^2/NDF : 545085.7/18

Left In: -7.297+/-0.013 χ^2/NDF : 255595.9/17

Left: -6.567+/-0.009 χ^2/NDF : 898659.6/37

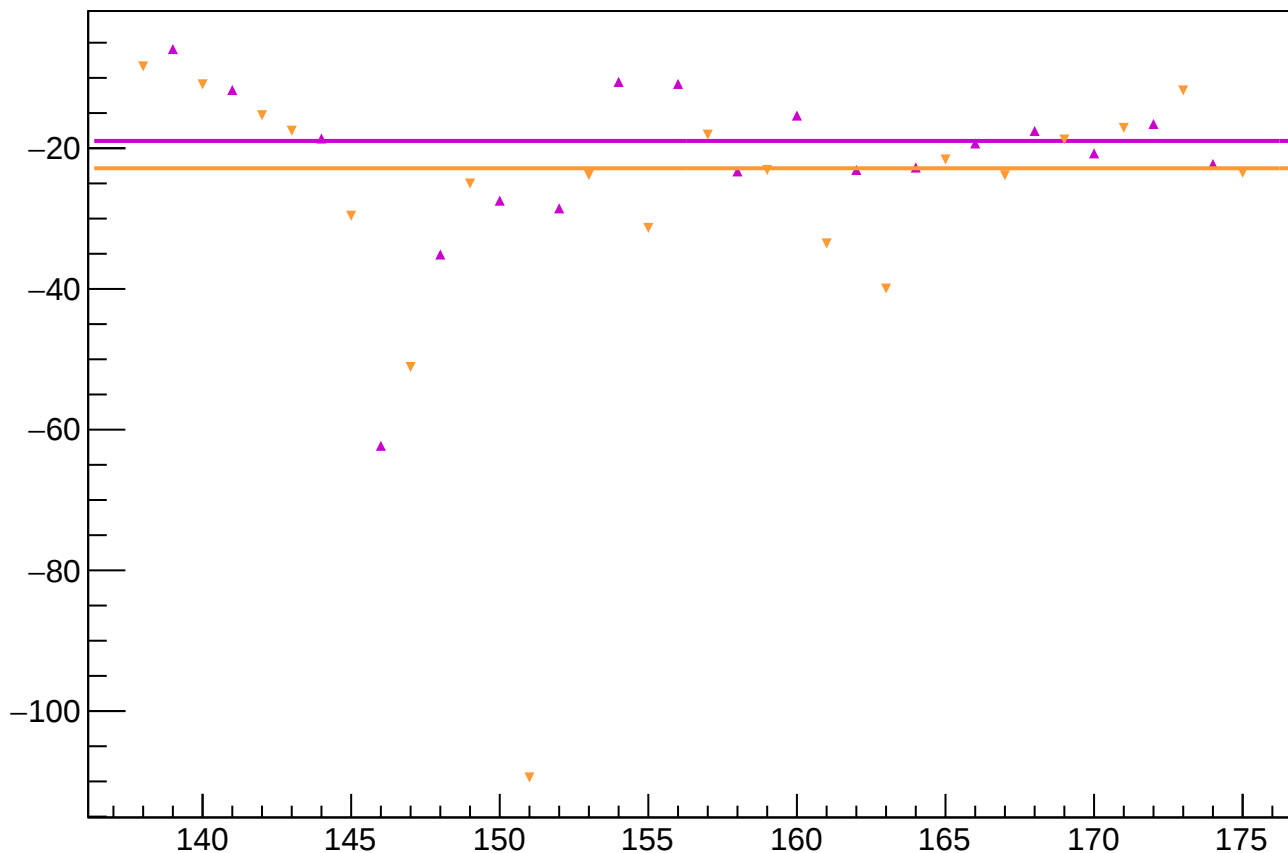
Right: 9.073+/-0.022 χ^2/NDF : 929756.2/35

In: -4.722+/-0.012 χ^2/NDF : 922393.3/34

Out: -3.997+/-0.012 χ^2/NDF : 1344334.9/38

All: -4.356+/-0.008 χ^2/NDF : 2268677.4/73

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: -22.847 ± 0.051 χ^2/NDF : 62488.3/19

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -18.961 ± 0.048 χ^2/NDF : 38384.5/17

Left: -20.760 ± 0.035 χ^2/NDF : 103943.9/37

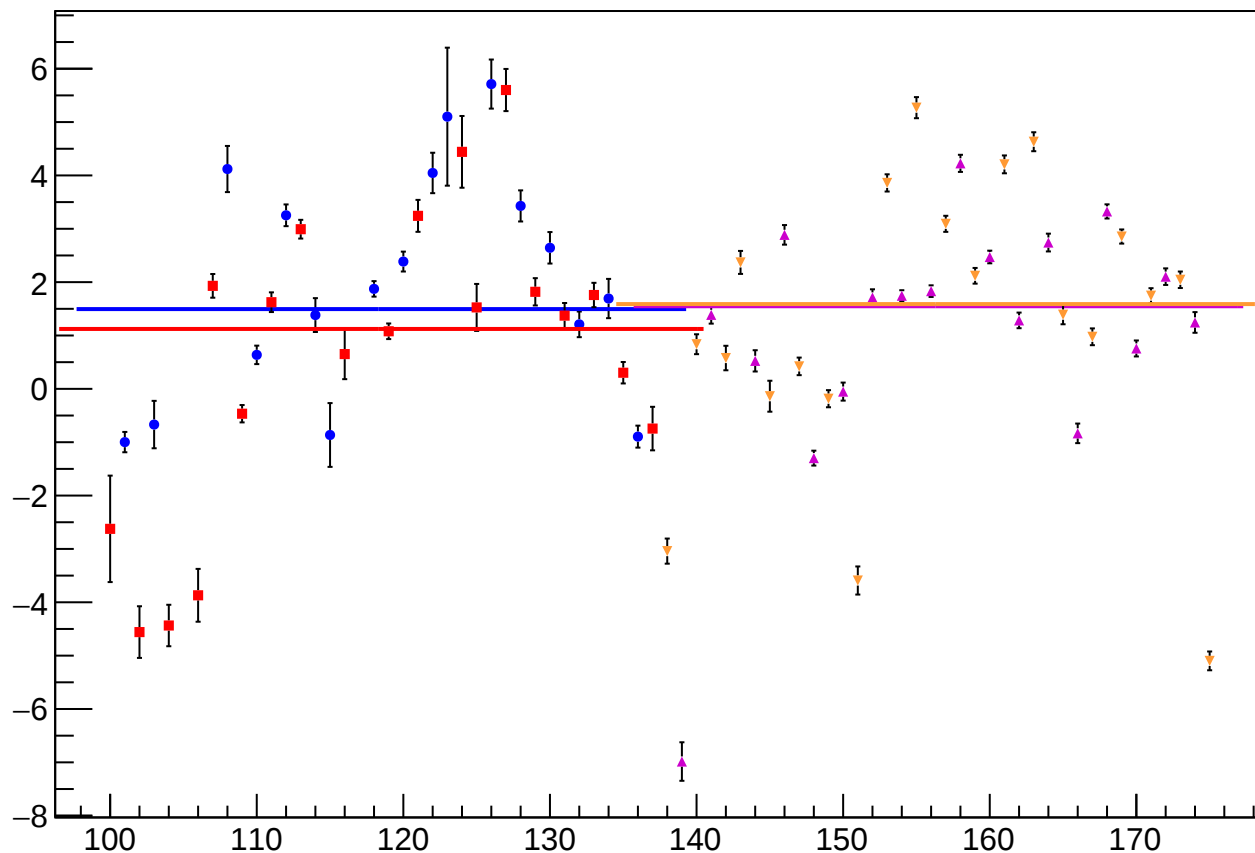
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -18.961 ± 0.048 χ^2/NDF : 38384.5/17

Out: -22.847 ± 0.051 χ^2/NDF : 62488.3/19

All: -20.760 ± 0.035 χ^2/NDF : 103943.9/37

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.495 ± 0.061 χ^2/NDF : 708.8/16

Left Out: 1.589 ± 0.039 χ^2/NDF : 3786.4/19

Right Out: 1.123 ± 0.058 χ^2/NDF : 946.5/18

Left In: 1.548 ± 0.035 χ^2/NDF : 1940.0/17

Left: 1.567 ± 0.026 χ^2/NDF : 5727.0/37

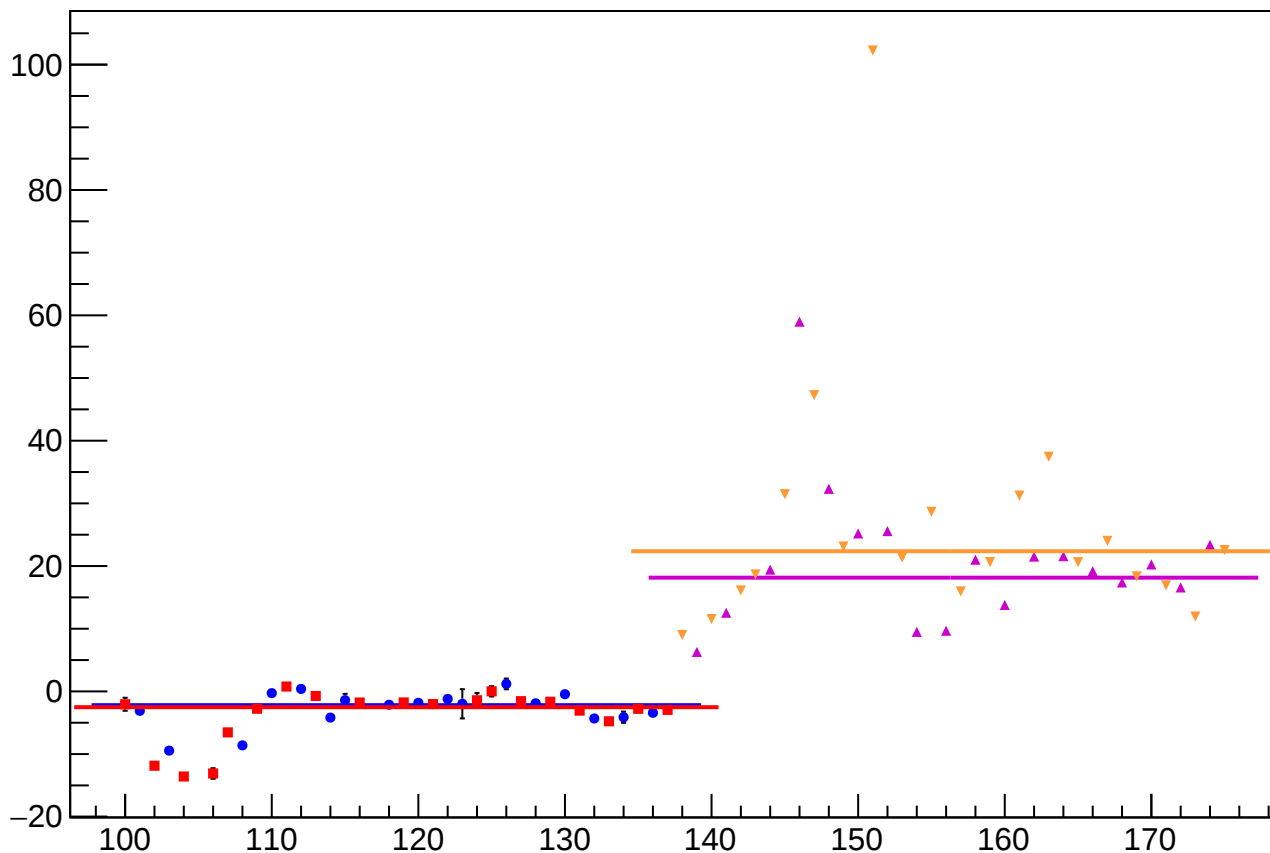
Right: 1.300 ± 0.042 χ^2/NDF : 1674.8/35

In: 1.535 ± 0.031 χ^2/NDF : 2649.4/34

Out: 1.445 ± 0.032 χ^2/NDF : 4777.3/38

All: 1.492 ± 0.022 χ^2/NDF : 7430.7/73

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: 22.366 ± 0.051 χ^2/NDF : 55672.0/19

Right Out: -2.520 ± 0.099 χ^2/NDF : 903.3/18

Left In: 18.146 ± 0.047 χ^2/NDF : 36447.7/17

Left: 20.073 ± 0.034 χ^2/NDF : 95851.4/37

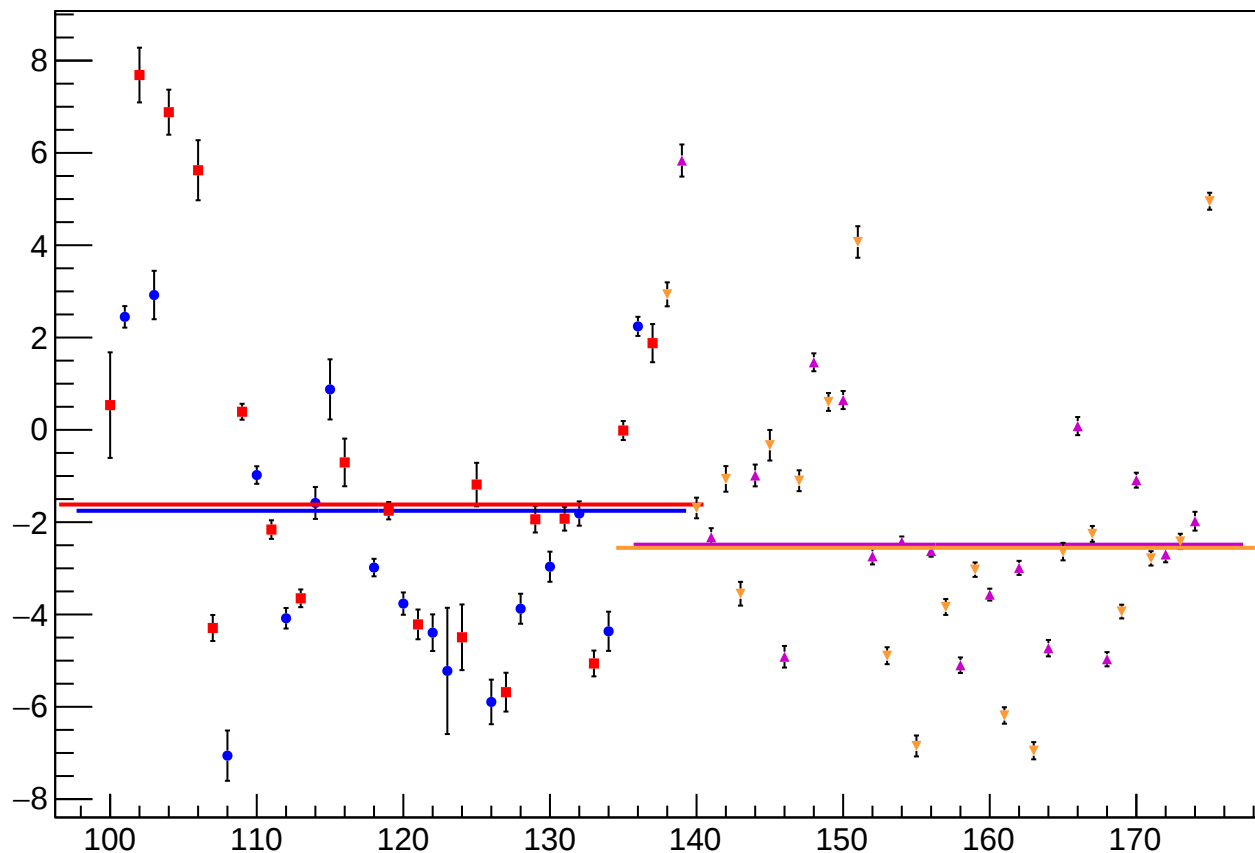
Right: -2.378 ± 0.074 χ^2/NDF : 1368.9/35

In: 15.068 ± 0.043 χ^2/NDF : 65638.1/34

Out: 17.155 ± 0.045 χ^2/NDF : 106582.3/38

All: 16.058 ± 0.031 χ^2/NDF : 173336.9/73

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: -2.556 ± 0.044 χ^2/NDF : 4550.2/19

Right Out: -1.617 ± 0.066 χ^2/NDF : 1487.5/18

Left In: -2.487 ± 0.040 χ^2/NDF : 2387.5/17

Left: -2.519 ± 0.029 χ^2/NDF : 6939.0/37

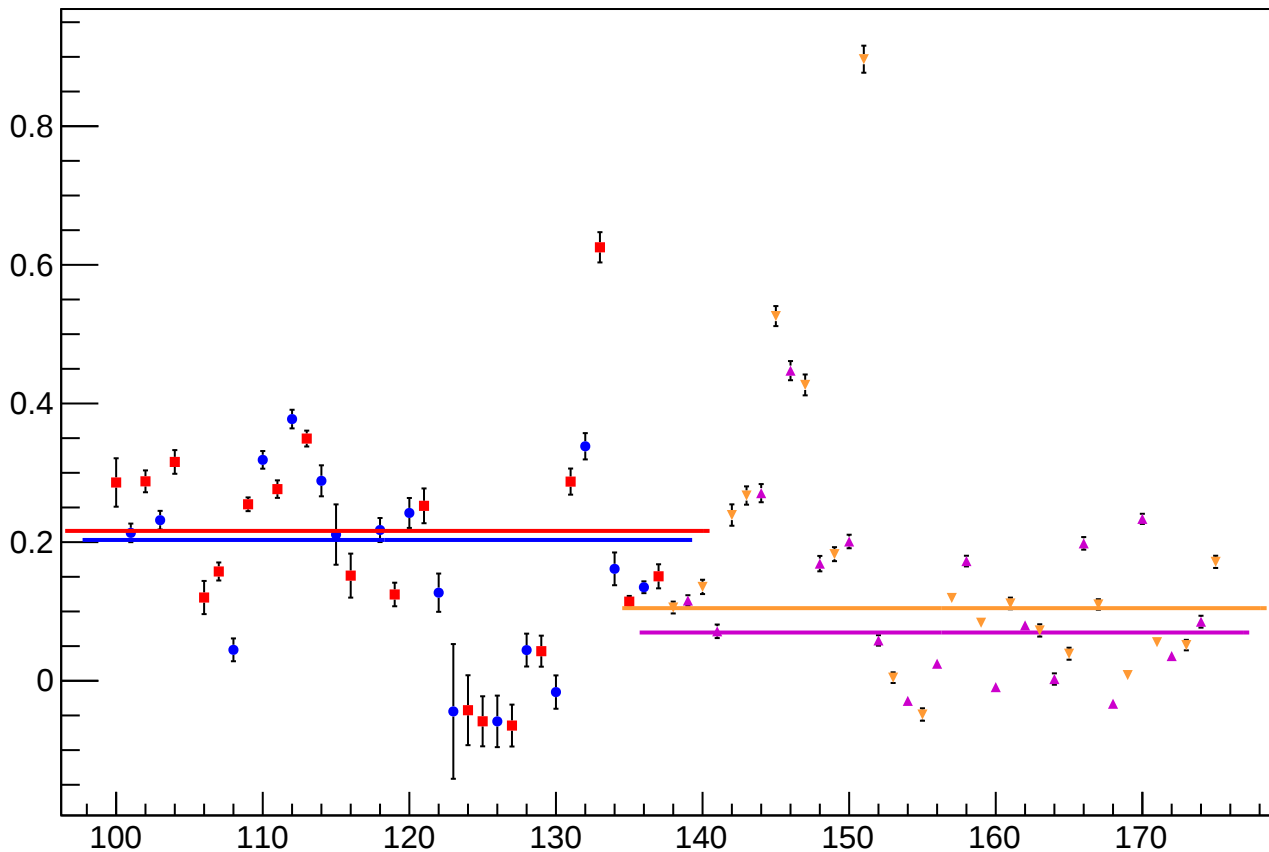
Right: -1.681 ± 0.048 χ^2/NDF : 2834.6/35

In: -2.308 ± 0.035 χ^2/NDF : 3814.9/34

Out: -2.269 ± 0.036 χ^2/NDF : 6179.3/38

All: -2.289 ± 0.025 χ^2/NDF : 9994.8/73

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.203 ± 0.004 χ^2/NDF : 677.2/16

Left Out: 0.105 ± 0.002 χ^2/NDF : 4161.3/19

Right Out: 0.216 ± 0.004 χ^2/NDF : 1067.3/18

Left In: 0.070 ± 0.002 χ^2/NDF : 3211.5/17

Left: 0.085 ± 0.001 χ^2/NDF : 7552.6/37

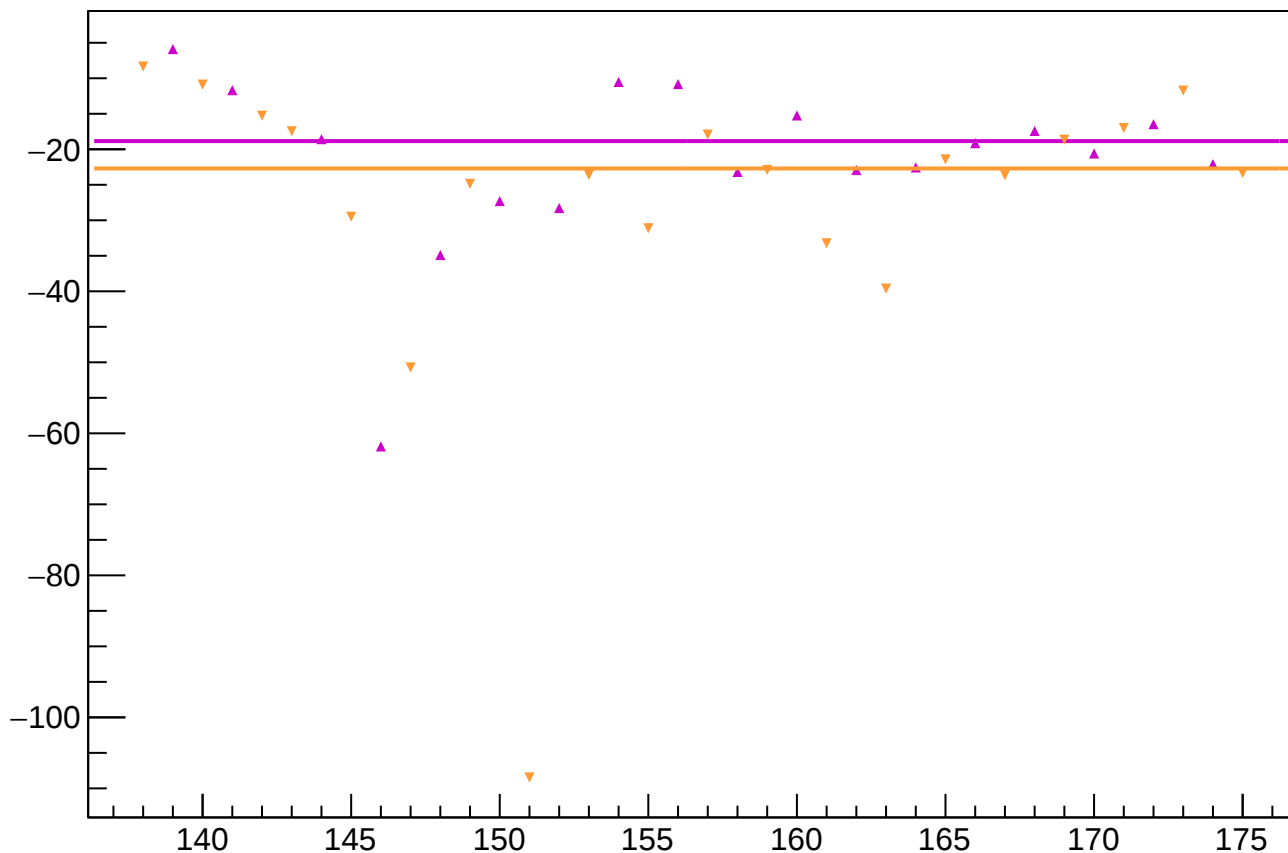
Right: 0.210 ± 0.003 χ^2/NDF : 1750.0/35

In: 0.090 ± 0.002 χ^2/NDF : 4775.6/34

Out: 0.129 ± 0.002 χ^2/NDF : 5938.7/38

All: 0.108 ± 0.001 χ^2/NDF : 10996.1/73

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



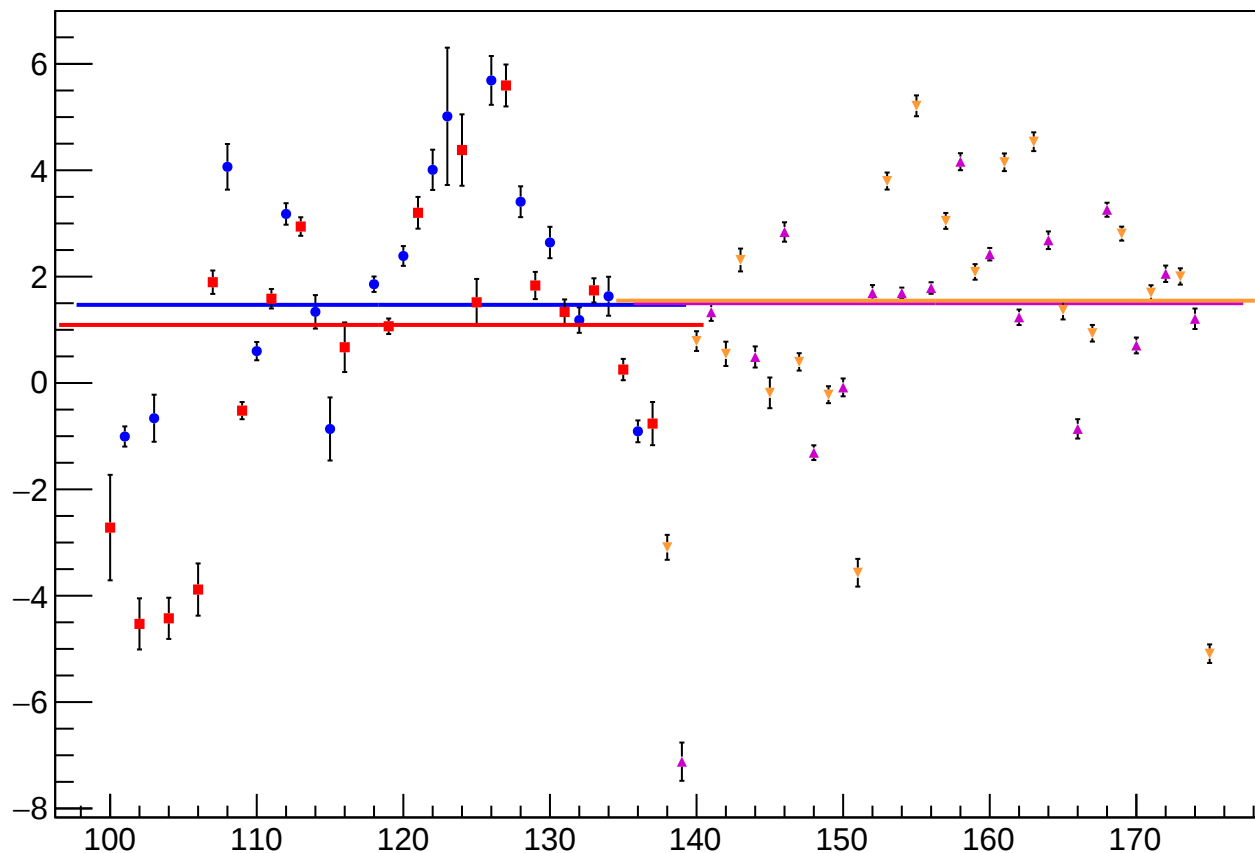
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -22.704+/-0.051 χ^2/NDF :62301.4/19
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -18.849+/-0.047 χ^2/NDF :38294.3/17

Left: -20.634+/-0.035 χ^2/NDF : 103657.1/37
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.849+/-0.047 χ^2/NDF :38294.3/17
 Out: -22.704+/-0.051 χ^2/NDF :62301.4/19

All: -20.634+/-0.035 χ^2/NDF : 103657.1/37

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: 1.548 $\pm$ 0.039 χ^2 /NDF:3785.3/19

Right Out: 1.092 $\pm$ 0.058 χ^2 /NDF: 952.1/18

Left In: 1.501 $\pm$ 0.035 χ^2 /NDF:1951.1/17

Left: 1.522 $\pm$ 0.026 χ^2 /NDF: 5737.2/37

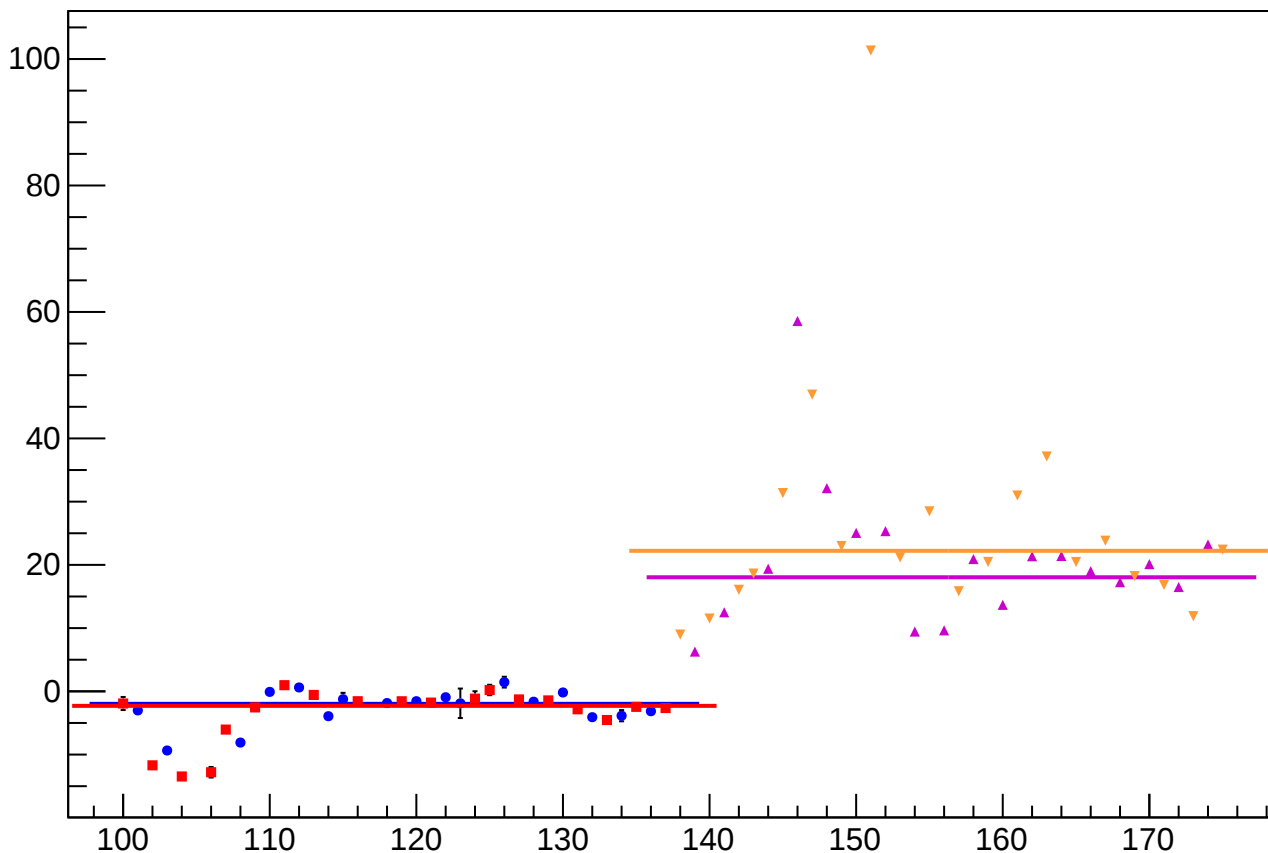
Right: 1.272 $\pm$ 0.042 χ^2 /NDF: 1680.2/35

In: 1.493 $\pm$ 0.030 χ^2 /NDF:2659.1/34

Out: 1.408 $\pm$ 0.032 χ^2 /NDF:4780.3/38

All: 1.453 $\pm$ 0.022 χ^2 /NDF: 7443.1/73

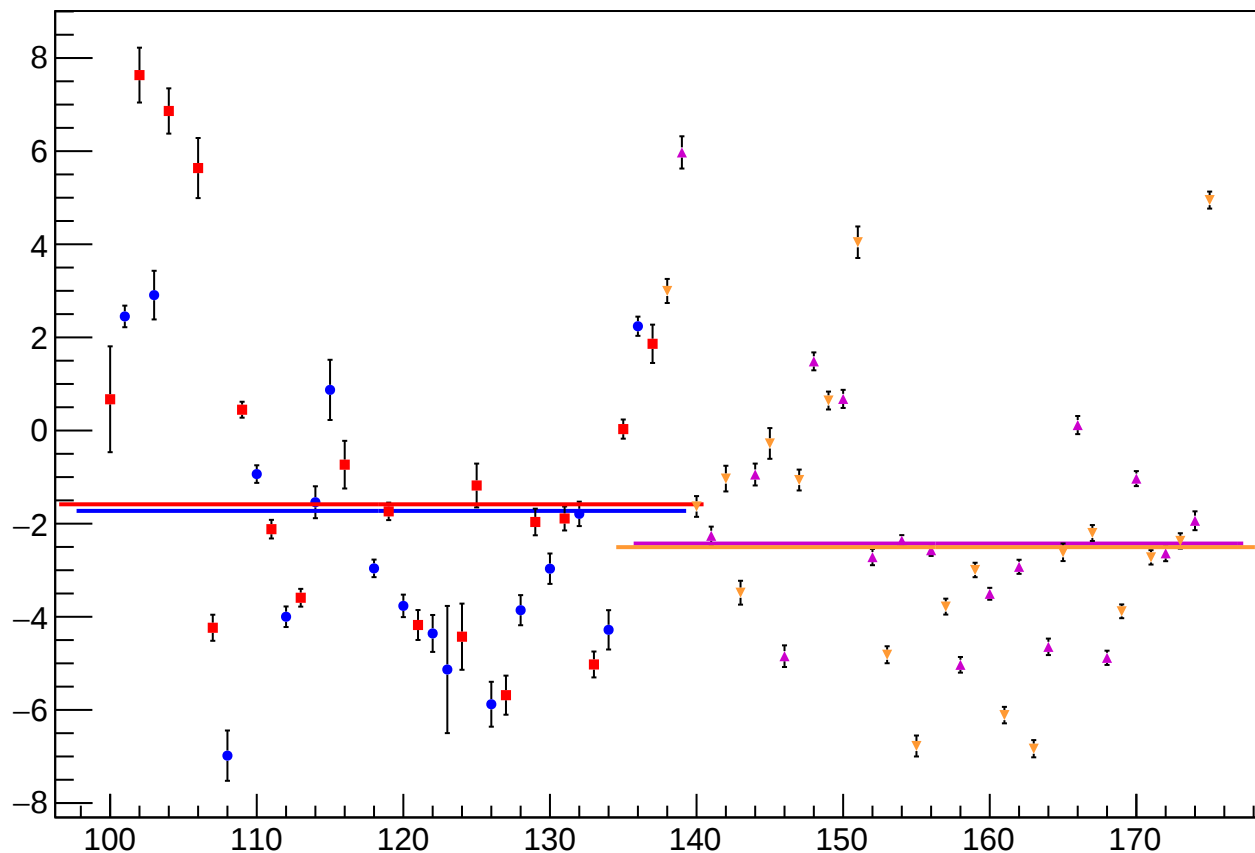
reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -1.977 ± 0.110 $\chi^2/\text{NDF}: 463.8/16$
 Left Out: 22.224 ± 0.051 $\chi^2/\text{NDF}: 55525.1/19$
 Right Out: -2.294 ± 0.098 $\chi^2/\text{NDF}: 906.6/18$
 Left In: 18.039 ± 0.046 $\chi^2/\text{NDF}: 36368.7/17$

Left: 19.951 ± 0.034 $\chi^2/\text{NDF}: 95610.6/37$
 Right: -2.153 ± 0.073 $\chi^2/\text{NDF}: 1375.0/35$
 In: 15.019 ± 0.043 $\chi^2/\text{NDF}: 64925.8/34$
 Out: 17.100 ± 0.045 $\chi^2/\text{NDF}: 105514.3/38$
 All: 16.006 ± 0.031 $\chi^2/\text{NDF}: 171565.3/73$

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: -2.504 ± 0.043 χ^2/NDF : 4547.4/19

Right Out: -1.584 ± 0.065 χ^2/NDF : 1492.8/18

Left In: -2.427 ± 0.040 χ^2/NDF : 2399.0/17

Left: -2.462 ± 0.029 χ^2/NDF : 6948.1/37

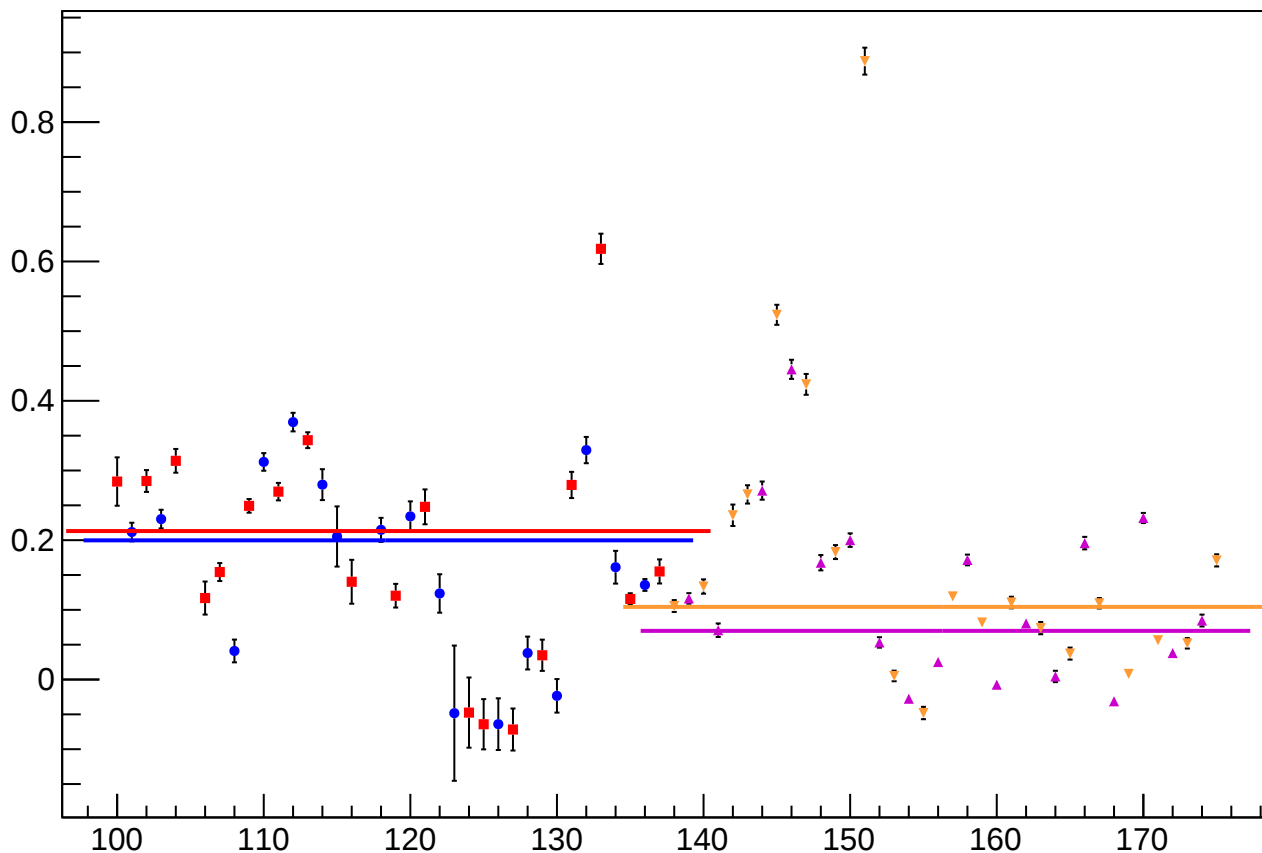
Right: -1.650 ± 0.048 χ^2/NDF : 2836.5/35

In: -2.256 ± 0.035 χ^2/NDF : 3816.4/34

Out: -2.224 ± 0.036 χ^2/NDF : 6177.6/38

All: -2.241 ± 0.025 χ^2/NDF : 9994.5/73

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: 0.104 $\pm$ 0.002 χ^2 /NDF: 4153.2/19

Right Out: 0.213 $\pm$ 0.004 χ^2 /NDF: 1050.9/18

Left In: 0.070 $\pm$ 0.002 χ^2 /NDF: 3184.8/17

Left: 0.085 $\pm$ 0.001 χ^2 /NDF: 7512.4/37

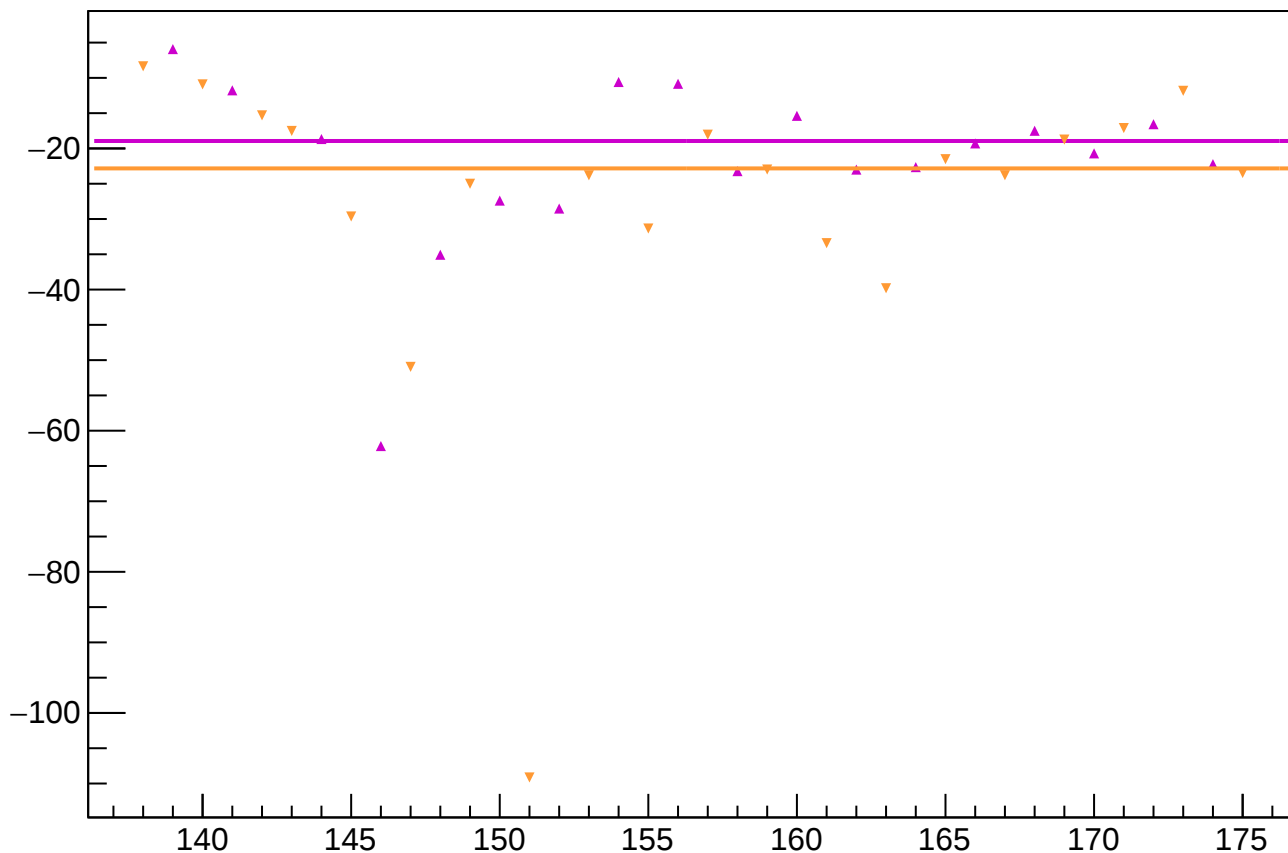
Right: 0.207 $\pm$ 0.003 χ^2 /NDF: 1719.2/35

In: 0.089 $\pm$ 0.002 χ^2 /NDF: 4695.5/34

Out: 0.128 $\pm$ 0.002 χ^2 /NDF: 5888.9/38

All: 0.107 $\pm$ 0.001 χ^2 /NDF: 10858.4/73

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: -22.829+/-0.051 χ^2/NDF :62415.1/19

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

Left In: -18.944+/-0.048 χ^2/NDF :38357.0/17

Left: -20.742+/-0.035 χ^2/NDF : 103857.5/37

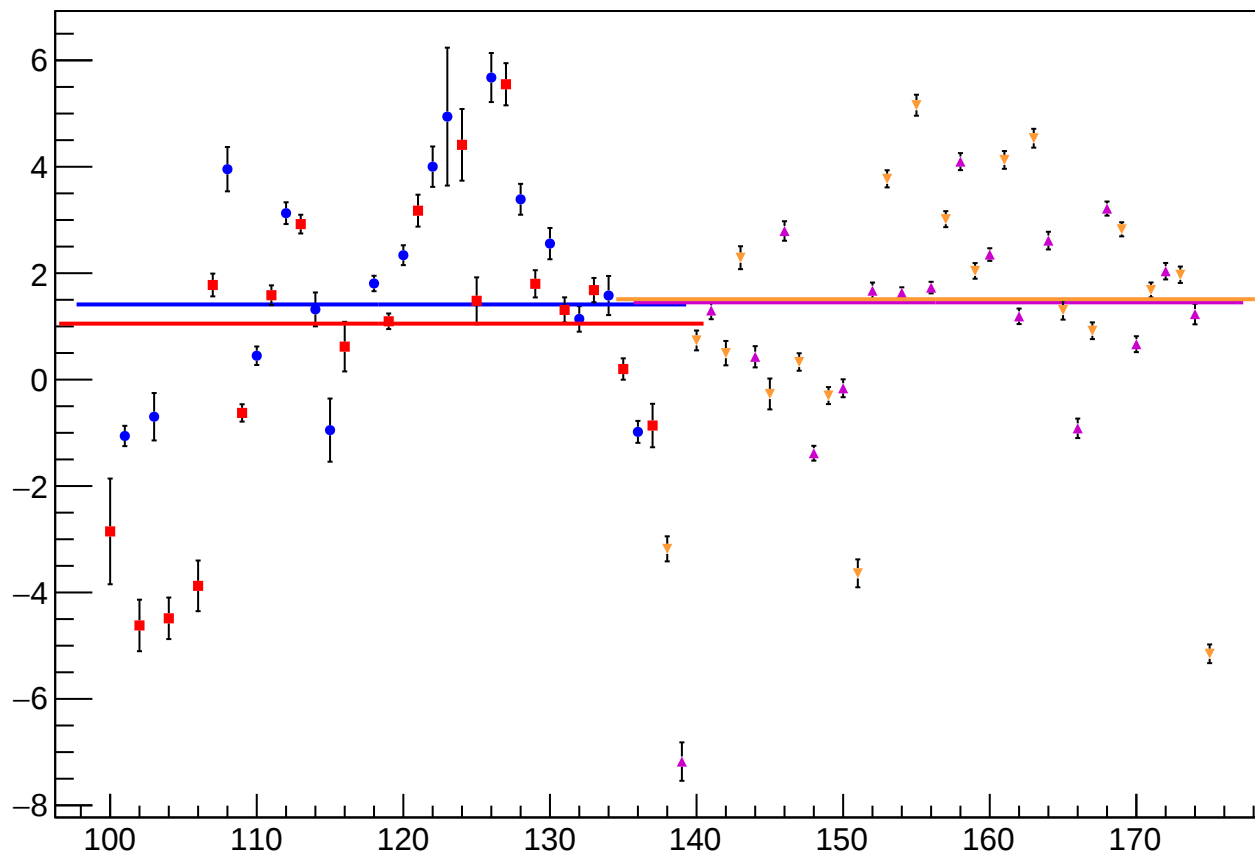
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.944+/-0.048 χ^2/NDF :38357.0/17

Out: -22.829+/-0.051 χ^2/NDF :62415.1/19

All: -20.742+/-0.035 χ^2/NDF : 103857.5/37

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: 1.511 $\pm$ 0.039 χ^2 /NDF:3805.0/19

Right Out: 1.052 $\pm$ 0.058 χ^2 /NDF: 963.3/18

Left In: 1.452 $\pm$ 0.035 χ^2 /NDF:1941.0/17

Left: 1.479 $\pm$ 0.026 χ^2 /NDF: 5747.3/37

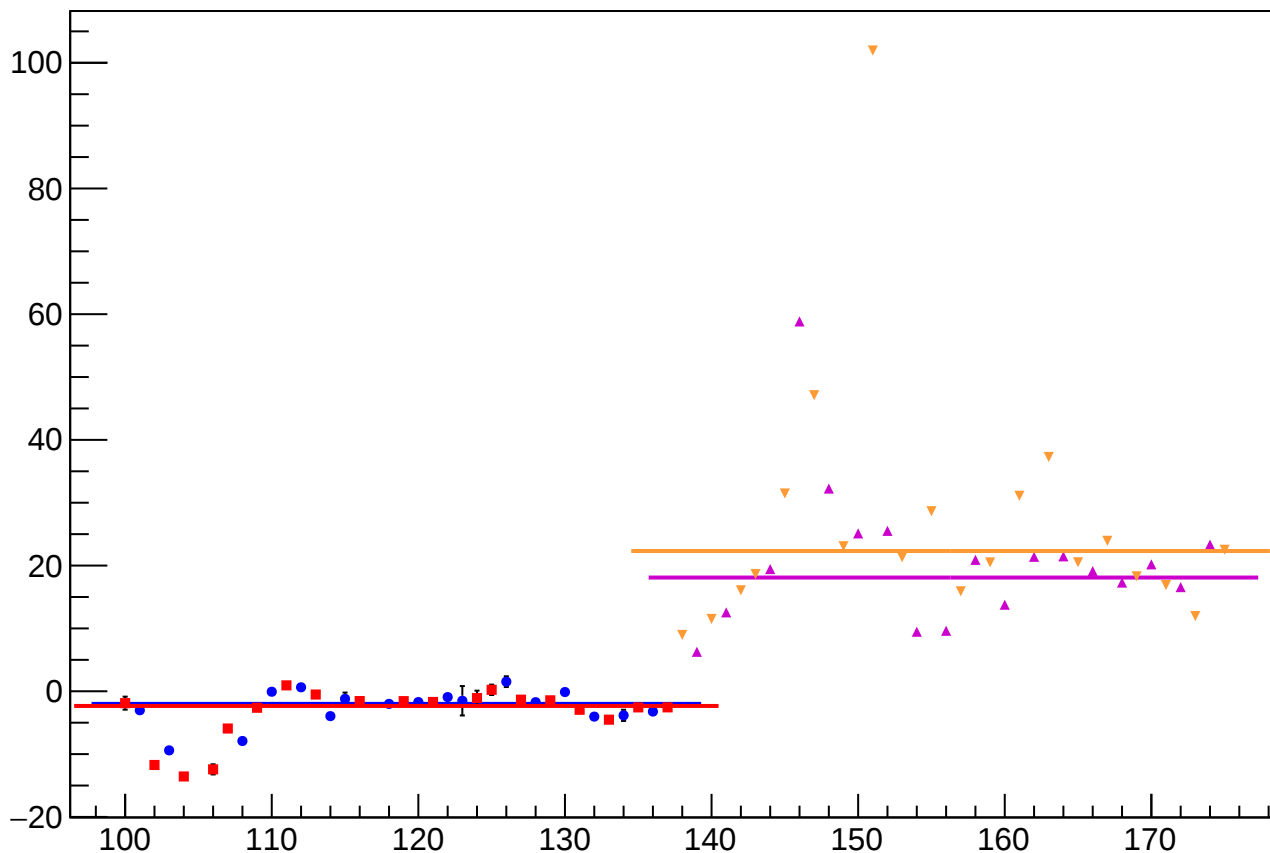
Right: 1.223 $\pm$ 0.042 χ^2 /NDF: 1695.5/35

In: 1.442 $\pm$ 0.031 χ^2 /NDF:2655.2/34

Out: 1.370 $\pm$ 0.032 χ^2 /NDF:4811.6/38

All: 1.408 $\pm$ 0.022 χ^2 /NDF: 7469.5/73

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: 22.314 ± 0.051 χ^2/NDF : 55622.7/19

Right Out: -2.336 ± 0.099 χ^2/NDF : 901.2/18

Left In: 18.095 ± 0.047 χ^2/NDF : 36446.4/17

Left: 20.021 ± 0.034 χ^2/NDF : 95818.0/37

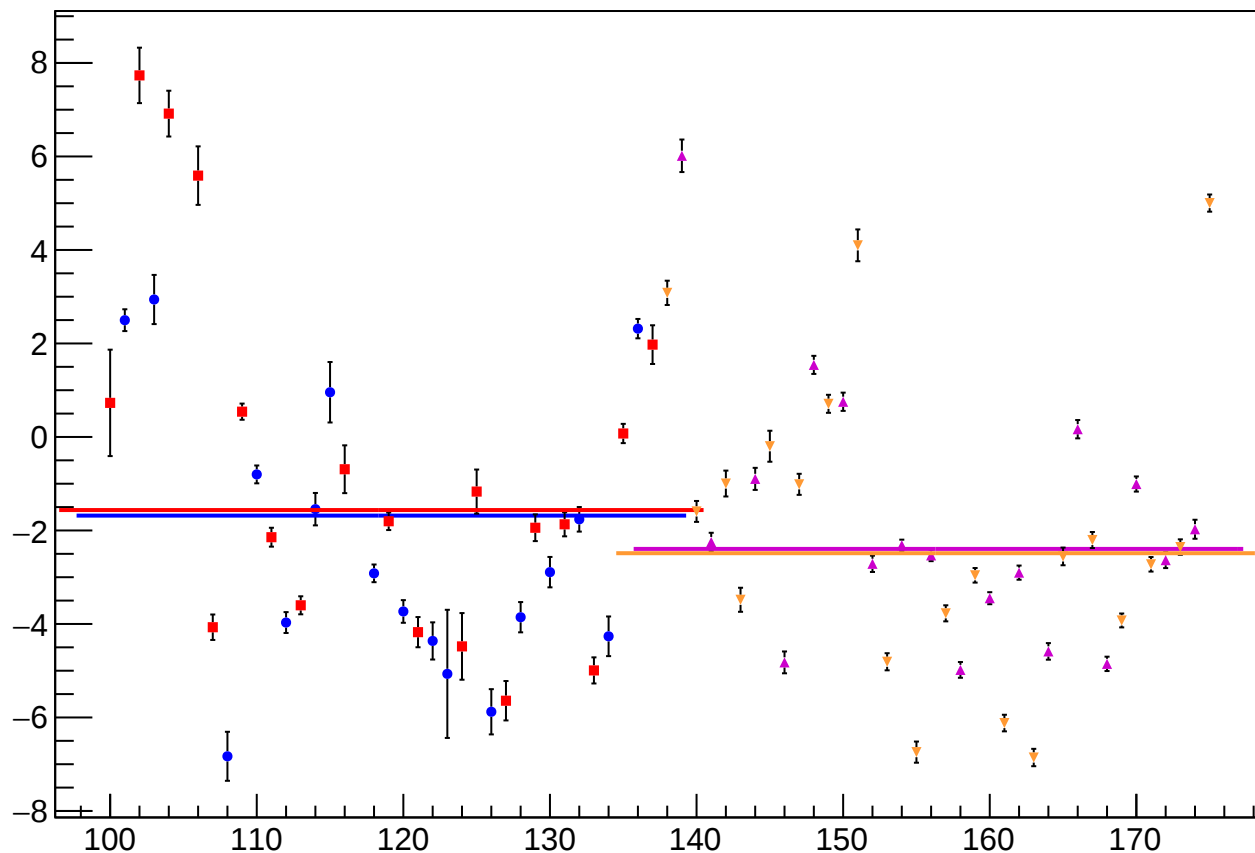
Right: -2.190 ± 0.074 χ^2/NDF : 1369.4/35

In: 15.069 ± 0.043 χ^2/NDF : 64957.9/34

Out: 17.169 ± 0.045 χ^2/NDF : 105667.9/38

All: 16.065 ± 0.031 χ^2/NDF : 171760.5/73

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.682 ± 0.070 χ^2/NDF : 1347.8/16

Left Out: -2.487 ± 0.044 χ^2/NDF : 4576.0/19

Right Out: -1.563 ± 0.066 χ^2/NDF : 1504.7/18

Left In: -2.394 ± 0.040 χ^2/NDF : 2387.2/17

Left: -2.436 ± 0.029 χ^2/NDF : 6965.6/37

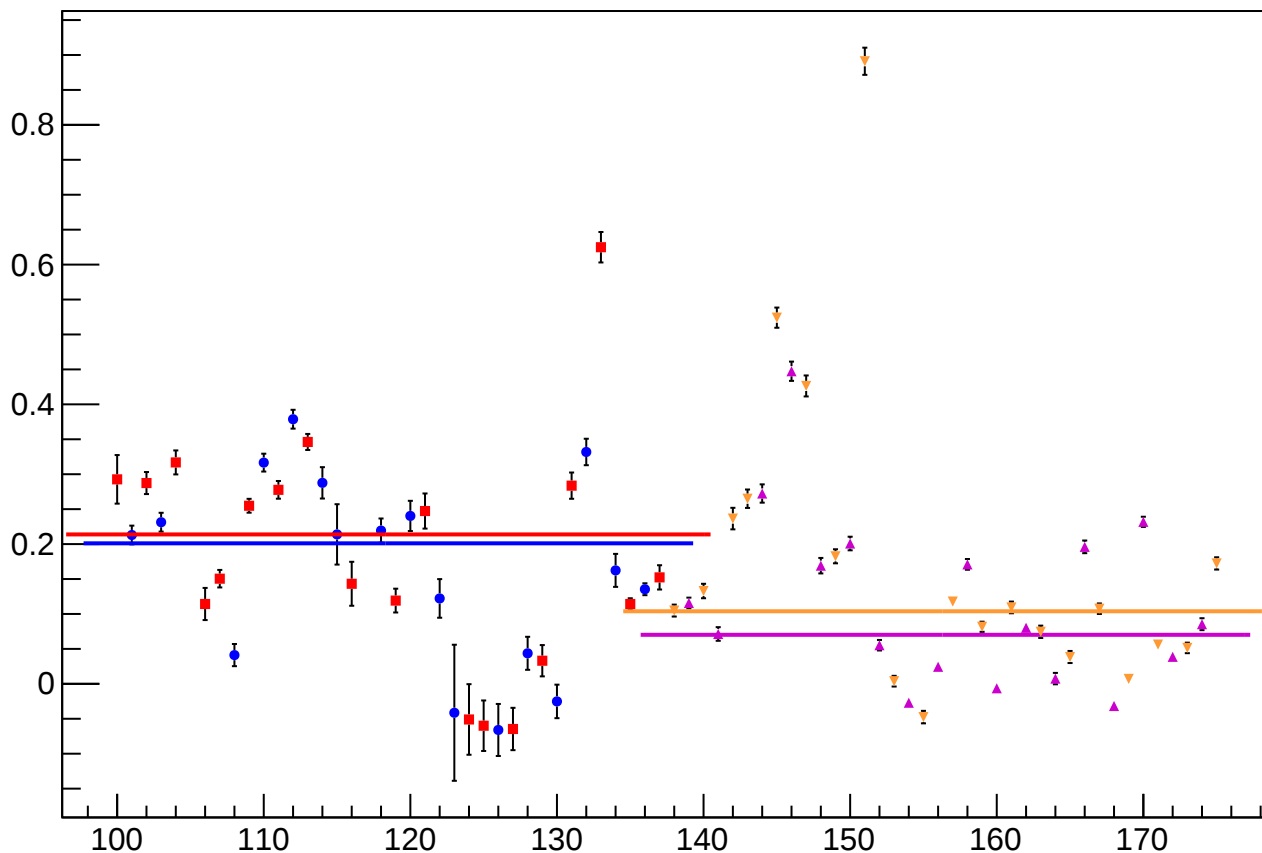
Right: -1.619 ± 0.048 χ^2/NDF : 2854.1/35

In: -2.221 ± 0.035 χ^2/NDF : 3812.7/34

Out: -2.204 ± 0.036 χ^2/NDF : 6218.0/38

All: -2.213 ± 0.025 χ^2/NDF : 10030.8/73

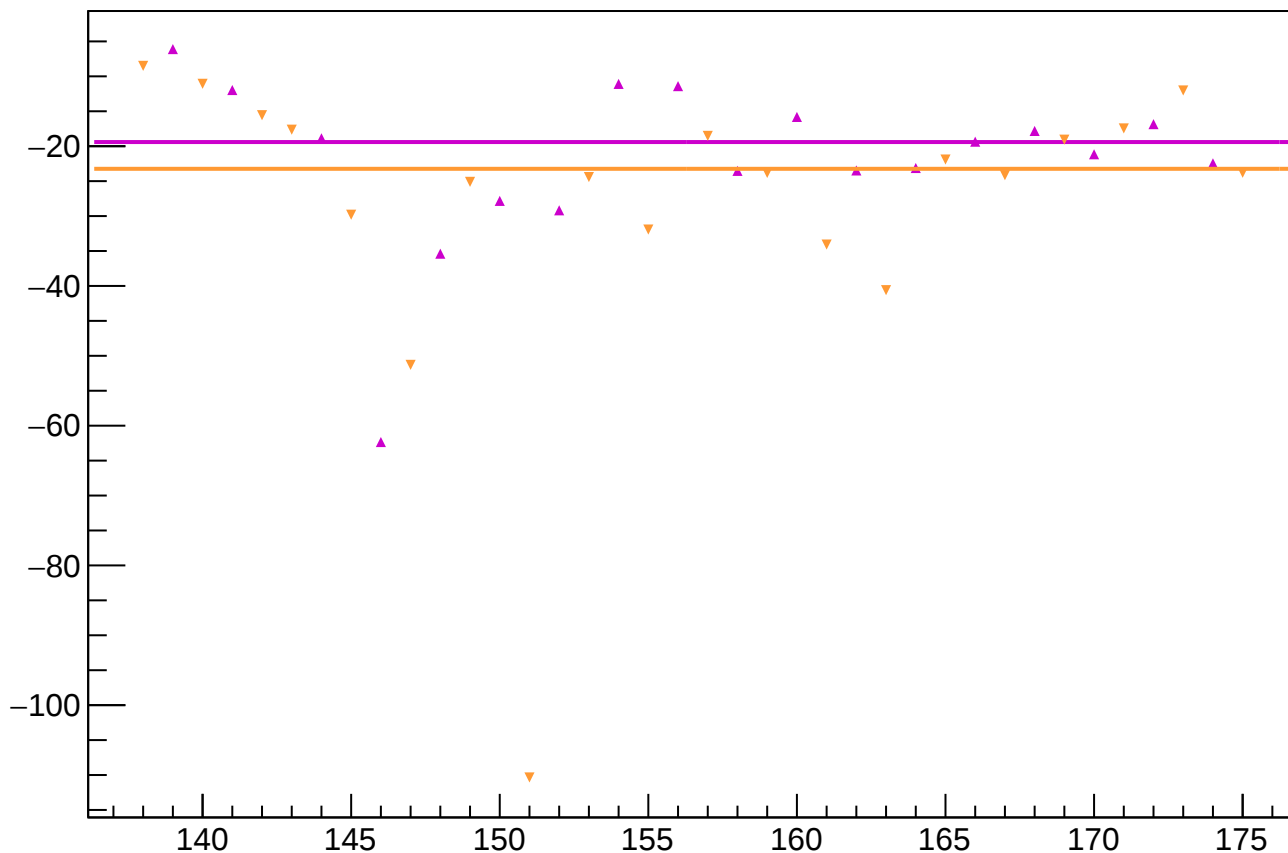
reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 ± 0.004 $\chi^2/\text{NDF}: 691.3/16$
 Left Out: 0.104 ± 0.002 $\chi^2/\text{NDF}: 4143.3/19$
 Right Out: 0.214 ± 0.004 $\chi^2/\text{NDF}: 1083.1/18$
 Left In: 0.070 ± 0.002 $\chi^2/\text{NDF}: 3163.2/17$

Left: 0.085 ± 0.001 $\chi^2/\text{NDF}: 7472.5/37$
 Right: 0.208 ± 0.003 $\chi^2/\text{NDF}: 1779.7/35$
 In: 0.090 ± 0.002 $\chi^2/\text{NDF}: 4710.1/34$
 Out: 0.128 ± 0.002 $\chi^2/\text{NDF}: 5922.2/38$
 All: 0.107 ± 0.001 $\chi^2/\text{NDF}: 10897.0/73$

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: -23.235+/-0.052 χ^2/NDF :62267.4/19

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

Left In: -19.405+/-0.049 χ^2/NDF :37219.9/17

Left: -21.185+/-0.036 χ^2/NDF : 102359.9/37

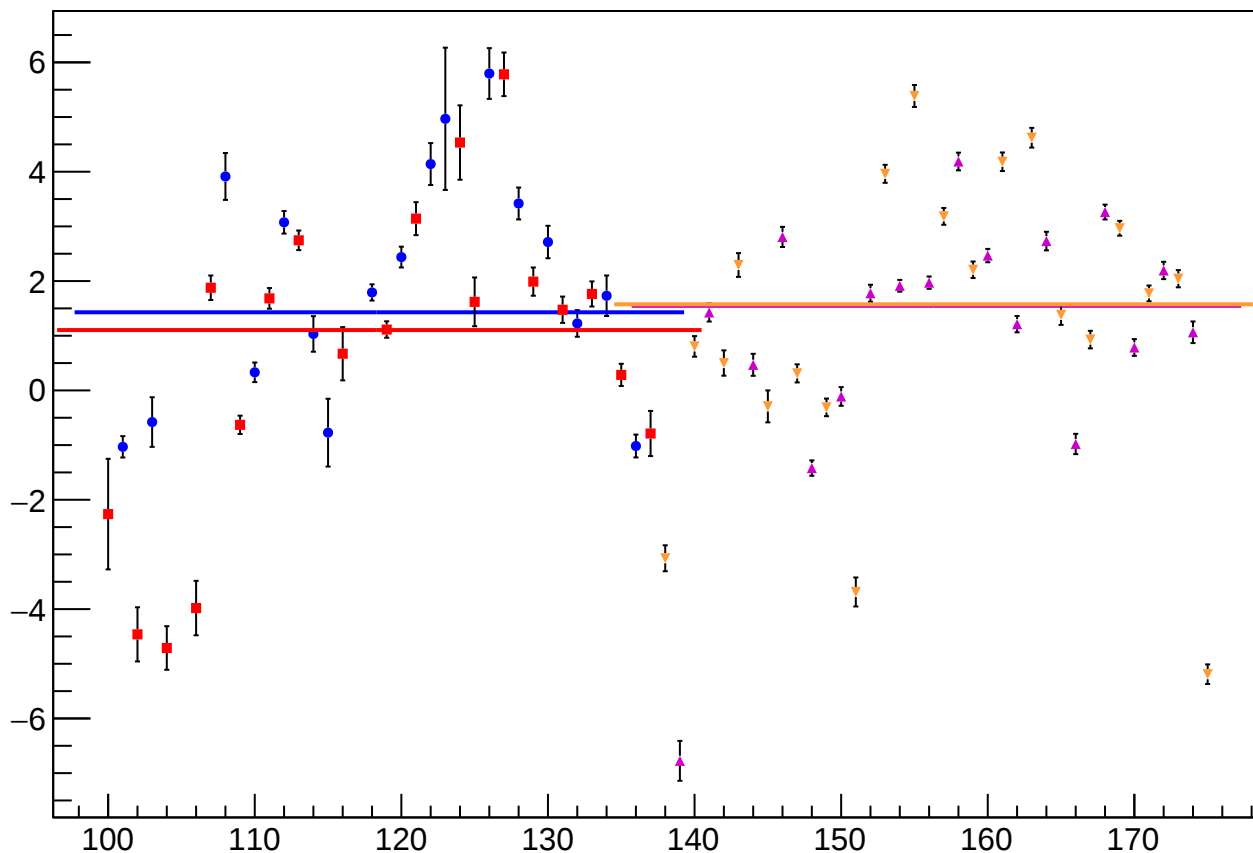
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.405+/-0.049 χ^2/NDF :37219.9/17

Out: -23.235+/-0.052 χ^2/NDF :62267.4/19

All: -21.185+/-0.036 χ^2/NDF : 102359.9/37

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.429 $\pm$ 0.062 χ^2 /NDF: 711.4/16

Left Out: 1.575 $\pm$ 0.039 χ^2 /NDF:3835.6/19

Right Out: 1.104 $\pm$ 0.059 χ^2 /NDF: 936.5/18

Left In: 1.547 $\pm$ 0.036 χ^2 /NDF:1931.3/17

Left: 1.559 $\pm$ 0.027 χ^2 /NDF: 5767.2/37

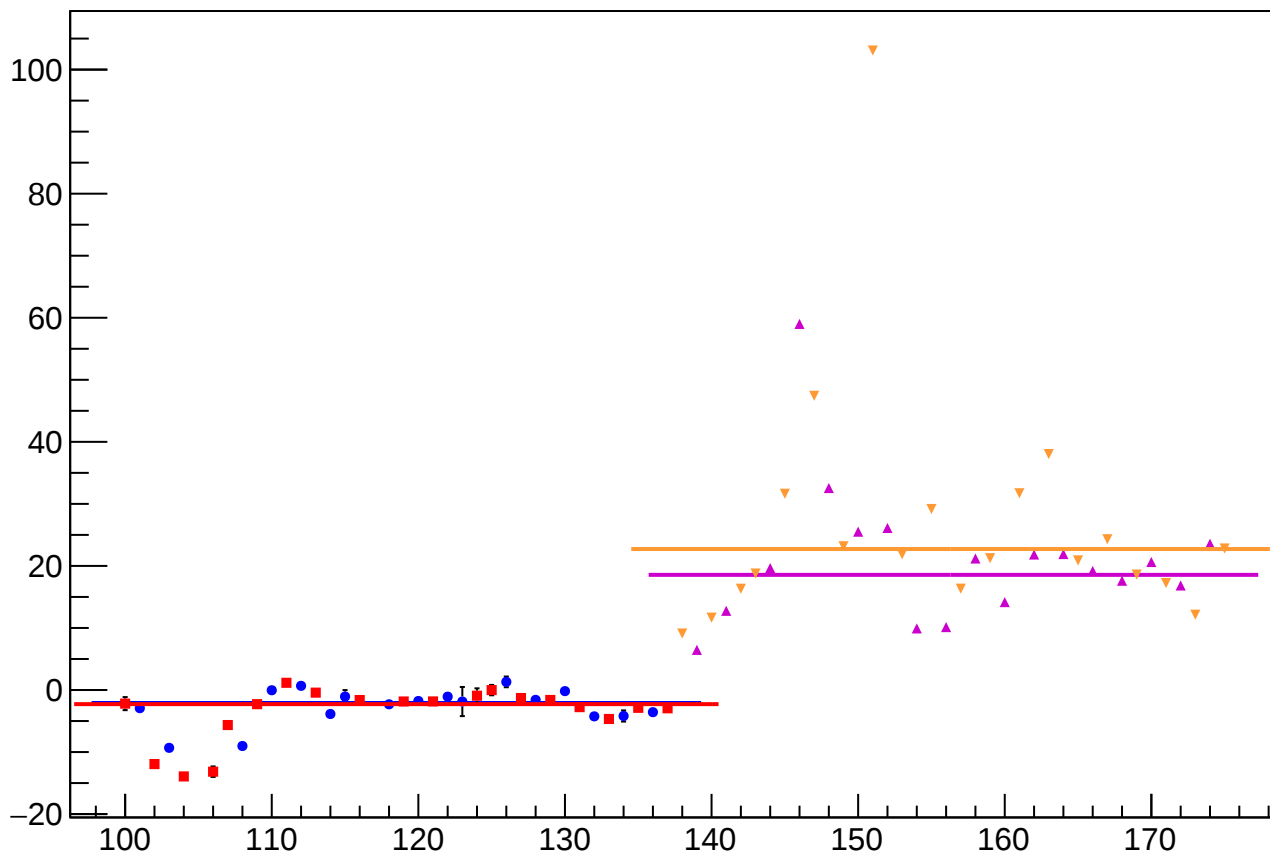
Right: 1.259 $\pm$ 0.043 χ^2 /NDF: 1662.3/35

In: 1.517 $\pm$ 0.031 χ^2 /NDF:2645.4/34

Out: 1.430 $\pm$ 0.033 χ^2 /NDF:4815.8/38

All: 1.476 $\pm$ 0.023 χ^2 /NDF: 7464.9/73

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: 22.725 ± 0.052 χ^2/NDF : 55368.2/19

Right Out: -2.278 ± 0.101 χ^2/NDF : 918.6/18

Left In: 18.560 ± 0.048 χ^2/NDF : 35151.7/17

Left: 20.471 ± 0.035 χ^2/NDF : 94015.6/37

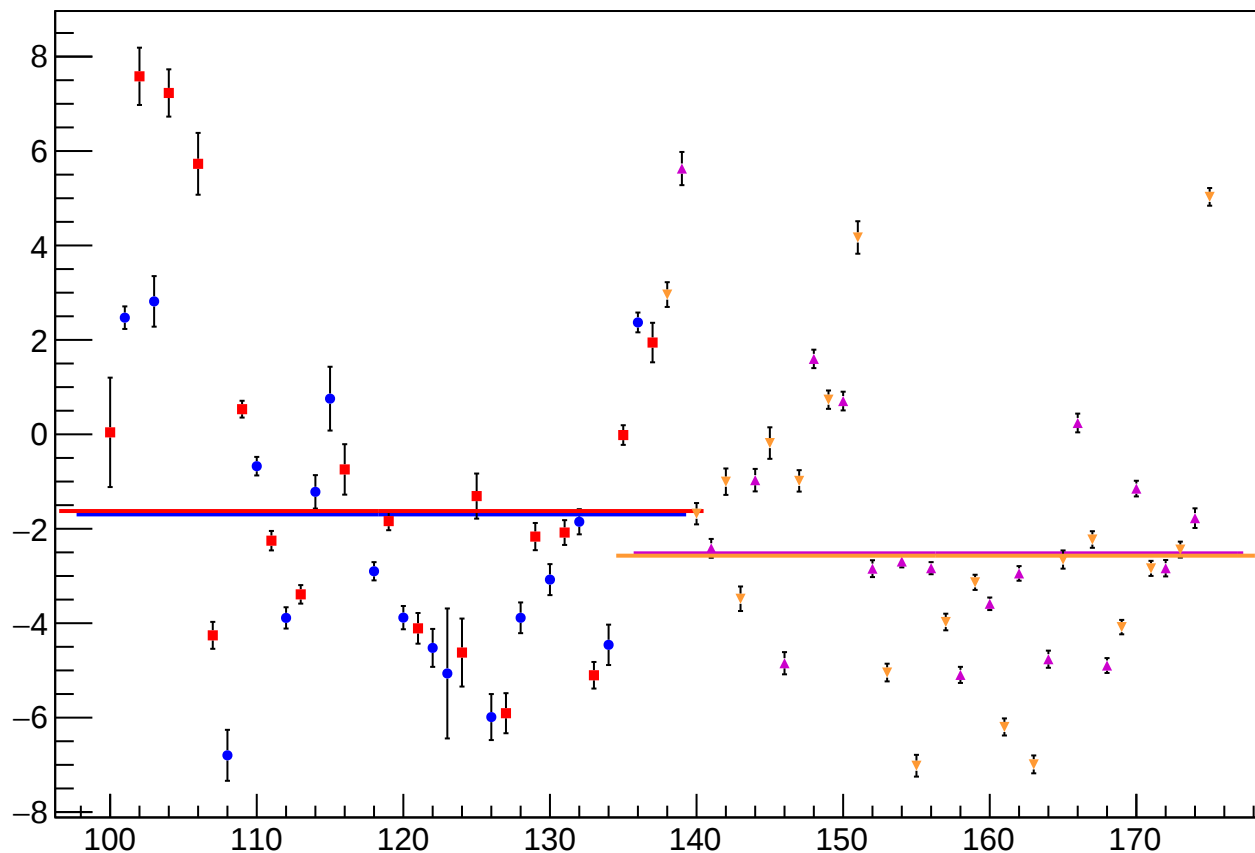
Right: -2.196 ± 0.075 χ^2/NDF : 1406.6/35

In: 15.417 ± 0.044 χ^2/NDF : 64168.6/34

Out: 17.515 ± 0.046 χ^2/NDF : 104791.4/38

All: 16.415 ± 0.032 χ^2/NDF : 170046.1/73

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: -2.570 ± 0.044 χ^2/NDF : 4599.0/19

Right Out: -1.624 ± 0.067 χ^2/NDF : 1467.3/18

Left In: -2.520 ± 0.041 χ^2/NDF : 2356.4/17

Left: -2.543 ± 0.030 χ^2/NDF : 6956.1/37

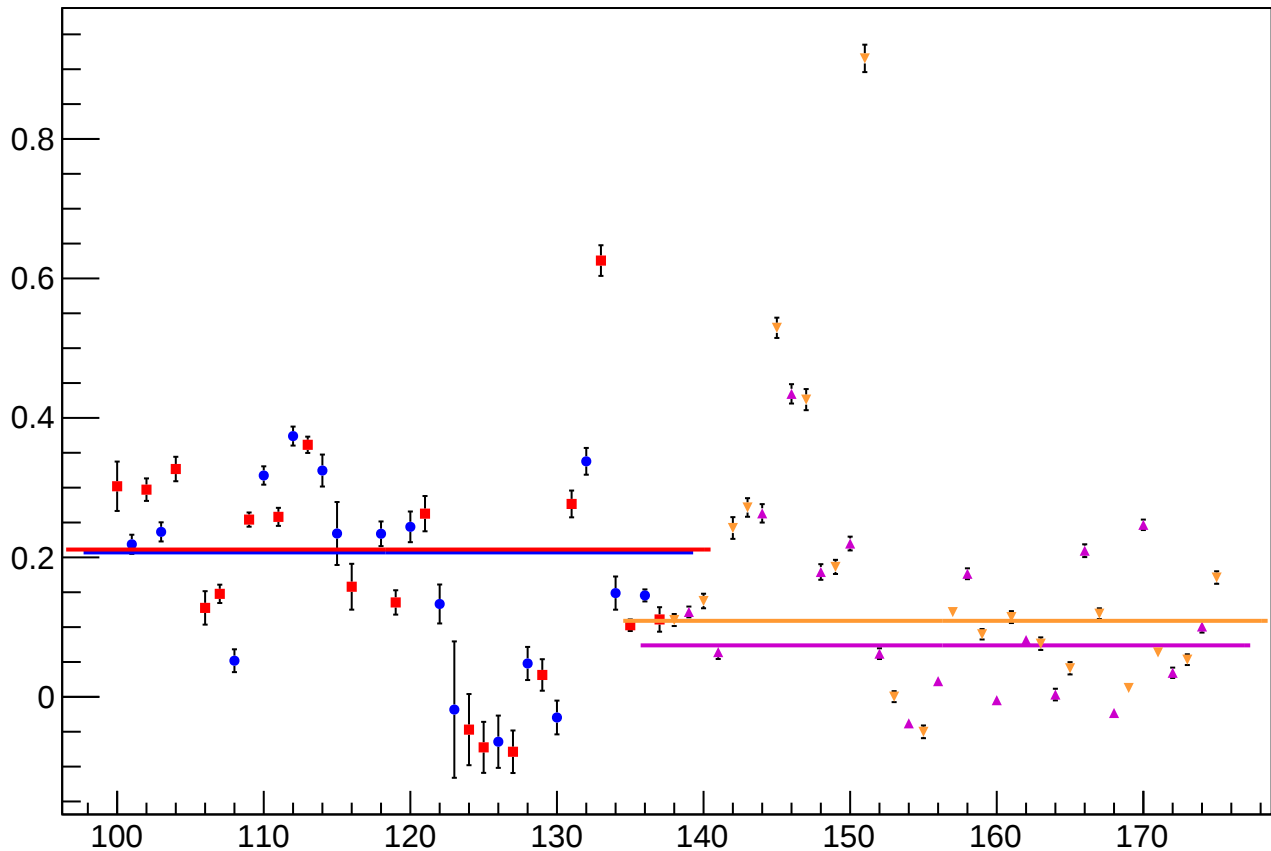
Right: -1.658 ± 0.049 χ^2/NDF : 2801.2/35

In: -2.317 ± 0.035 χ^2/NDF : 3789.8/34

Out: -2.281 ± 0.037 χ^2/NDF : 6204.7/38

All: -2.300 ± 0.026 χ^2/NDF : 9995.1/73

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.207 ± 0.004 χ^2/NDF : 656.3/16

Left Out: 0.109 ± 0.002 χ^2/NDF : 4159.8/19

Right Out: 0.211 ± 0.004 χ^2/NDF : 1145.7/18

Left In: 0.074 ± 0.002 χ^2/NDF : 3259.9/17

Left: 0.089 ± 0.001 χ^2/NDF : 7592.9/37

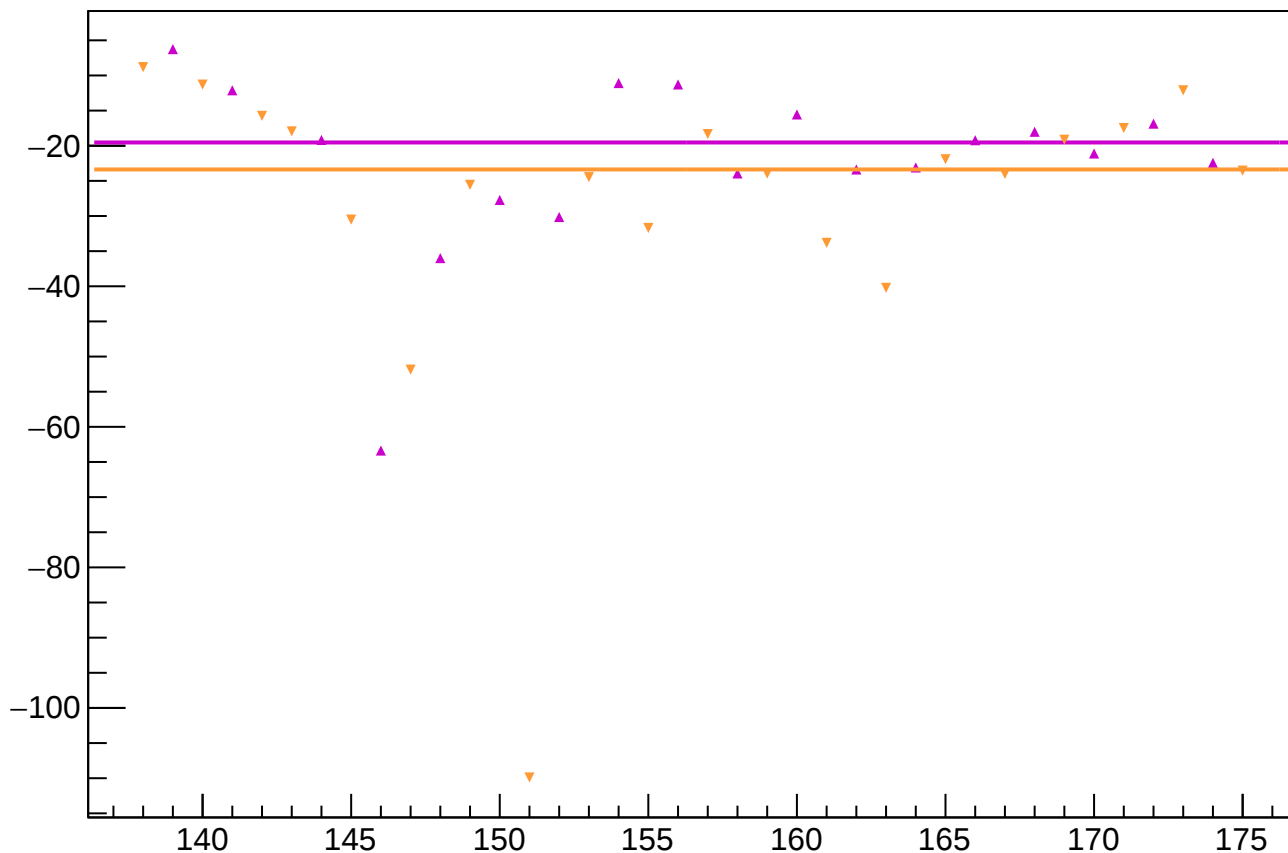
Right: 0.209 ± 0.003 χ^2/NDF : 1802.5/35

In: 0.094 ± 0.002 χ^2/NDF : 4770.6/34

Out: 0.132 ± 0.002 χ^2/NDF : 5882.7/38

All: 0.111 ± 0.001 χ^2/NDF : 10895.5/73

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: -23.374+/-0.053 χ^2/NDF : 61032.3/19

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

Left In: -19.535+/-0.049 χ^2/NDF : 37445.9/17

Left: -21.326+/-0.036 χ^2/NDF : 101304.3/37

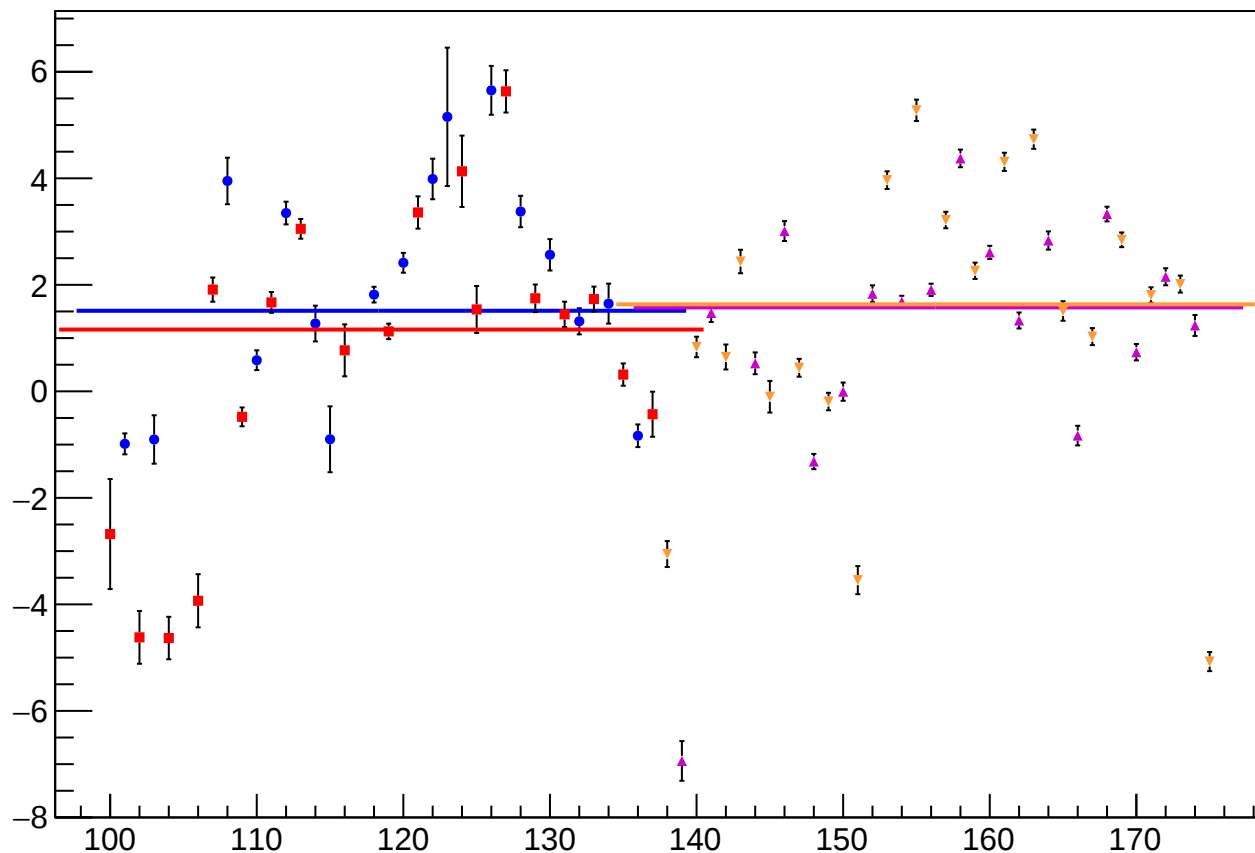
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.535+/-0.049 χ^2/NDF : 37445.9/17

Out: -23.374+/-0.053 χ^2/NDF : 61032.3/19

All: -21.326+/-0.036 χ^2/NDF : 101304.3/37

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.513 $\pm$ 0.063 χ^2 /NDF: 669.7/16

Left Out: 1.633 $\pm$ 0.040 χ^2 /NDF:3701.5/19

Right Out: 1.160 $\pm$ 0.060 χ^2 /NDF: 917.0/18

Left In: 1.576 $\pm$ 0.037 χ^2 /NDF:1901.5/17

Left: 1.602 $\pm$ 0.027 χ^2 /NDF: 5604.1/37

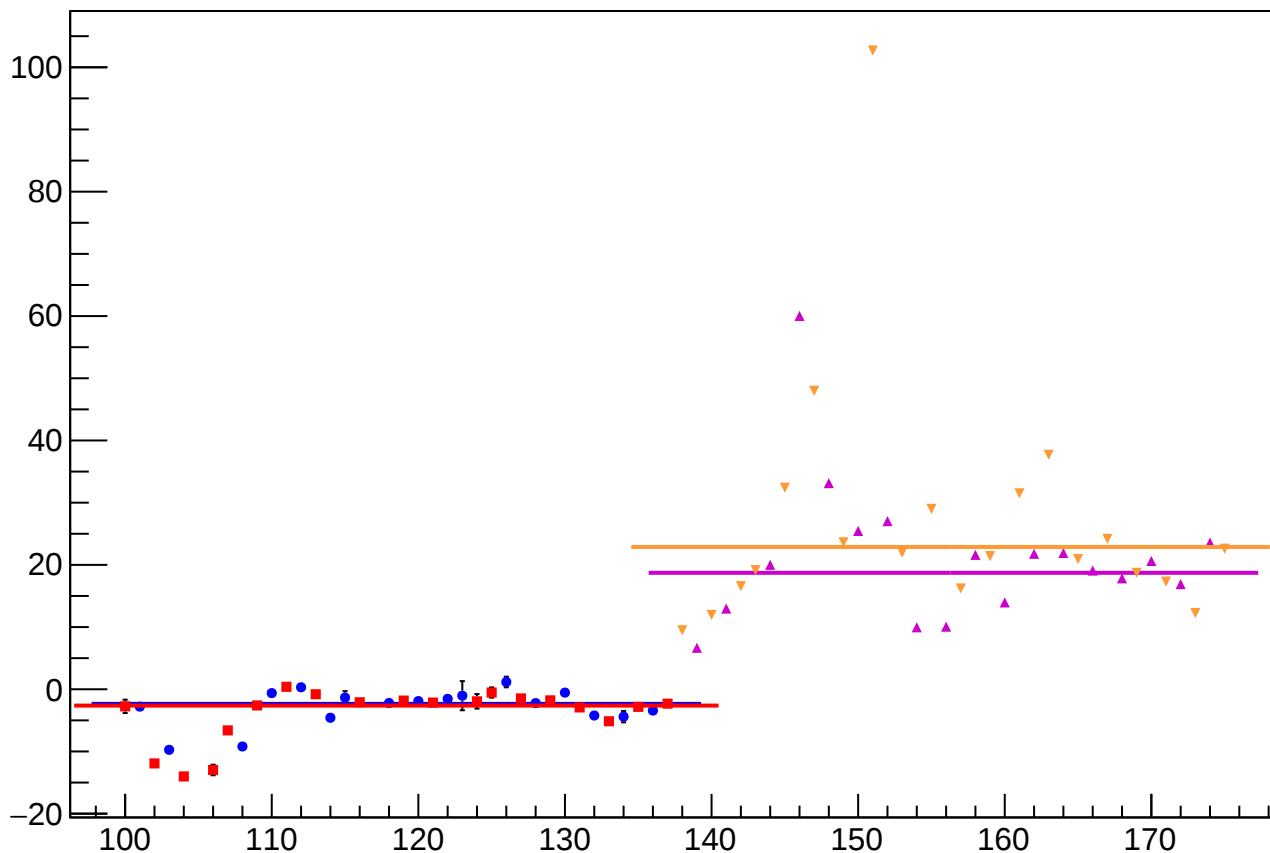
Right: 1.329 $\pm$ 0.043 χ^2 /NDF: 1603.3/35

In: 1.560 $\pm$ 0.032 χ^2 /NDF:2571.9/34

Out: 1.489 $\pm$ 0.033 χ^2 /NDF:4661.6/38

All: 1.526 $\pm$ 0.023 χ^2 /NDF: 7235.9/73

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.350 ± 0.114 χ^2/NDF : 439.7/16

Left Out: 22.880 ± 0.052 χ^2/NDF : 54382.8/19

Right Out: -2.624 ± 0.103 χ^2/NDF : 840.4/18

Left In: 18.723 ± 0.048 χ^2/NDF : 35398.4/17

Left: 20.638 ± 0.035 χ^2/NDF : 93191.0/37

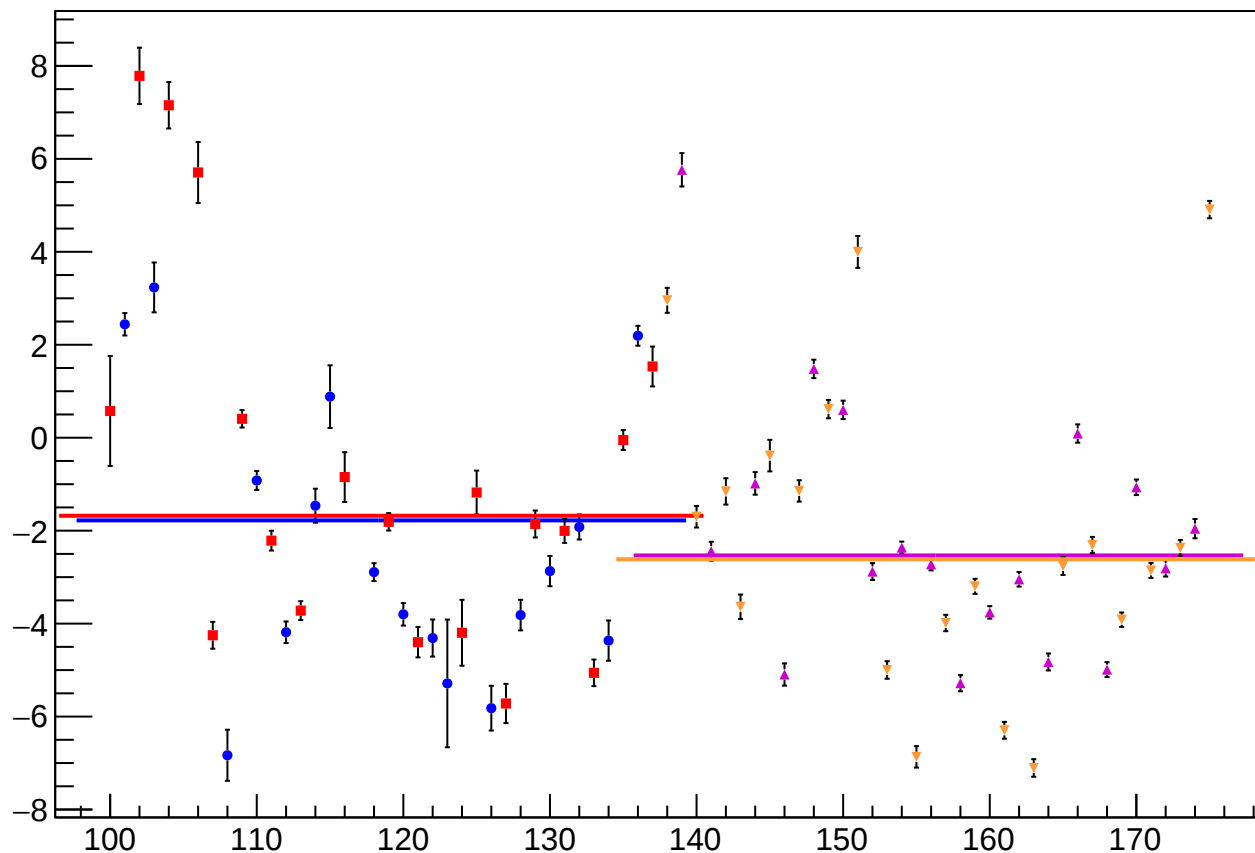
Right: -2.501 ± 0.077 χ^2/NDF : 1283.3/35

In: 15.529 ± 0.044 χ^2/NDF : 64677.4/34

Out: 17.674 ± 0.047 χ^2/NDF : 103800.5/38

All: 16.552 ± 0.032 χ^2/NDF : 169585.4/73

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.779 ± 0.072 $\chi^2/\text{NDF}: 1272.1/16$

Left Out: -2.616 ± 0.045 $\chi^2/\text{NDF}: 4448.4/19$

Right Out: -1.679 ± 0.068 $\chi^2/\text{NDF}: 1429.6/18$

Left In: -2.533 ± 0.041 $\chi^2/\text{NDF}: 2352.8/17$

Left: -2.571 ± 0.030 $\chi^2/\text{NDF}: 6803.0/37$

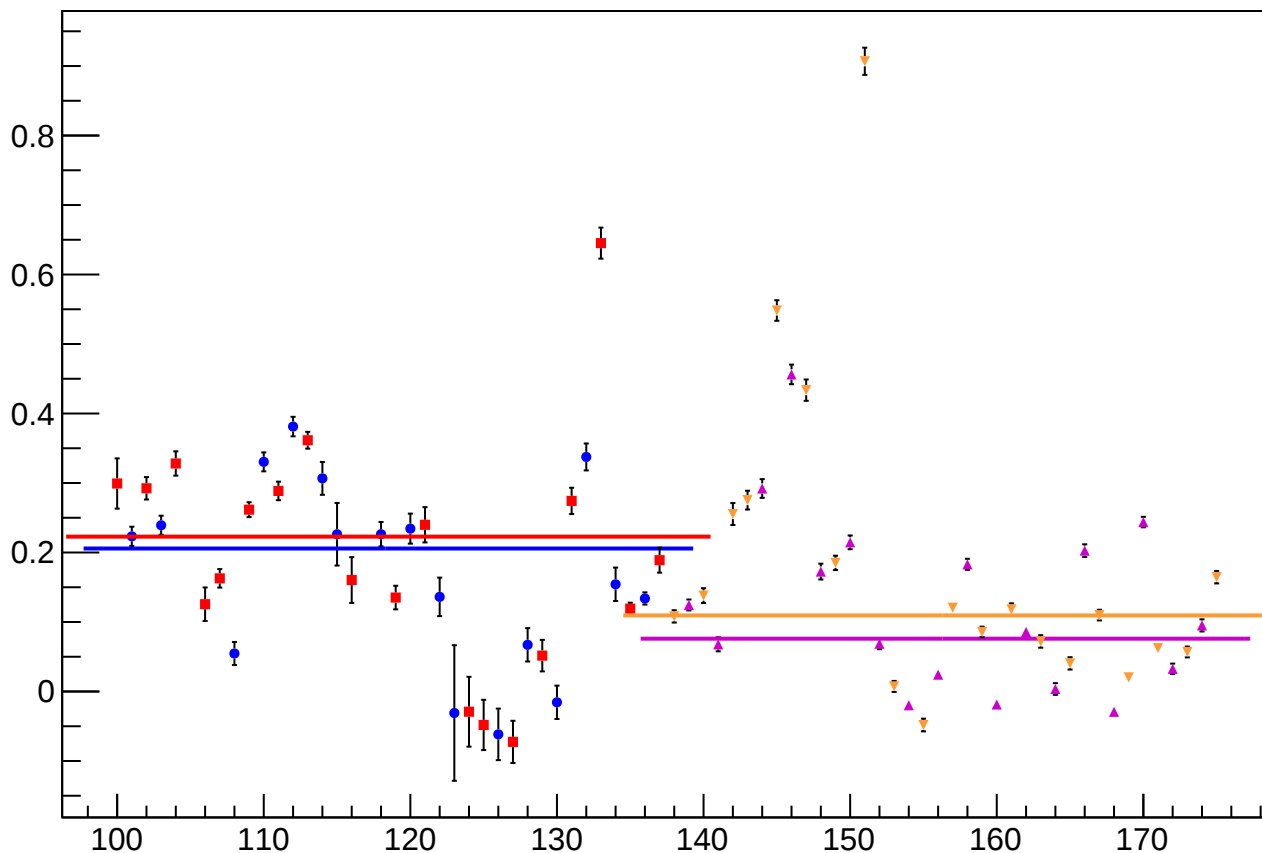
Right: -1.726 ± 0.050 $\chi^2/\text{NDF}: 2702.6/35$

In: -2.347 ± 0.036 $\chi^2/\text{NDF}: 3706.8/34$

Out: -2.332 ± 0.037 $\chi^2/\text{NDF}: 6010.1/38$

All: -2.340 ± 0.026 $\chi^2/\text{NDF}: 9717.0/73$

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: 0.109 $\pm$ 0.002 χ^2 /NDF:4127.8/19

Right Out: 0.223 $\pm$ 0.004 χ^2 /NDF: 1042.2/18

Left In: 0.076 $\pm$ 0.002 χ^2 /NDF:3230.6/17

Left: 0.091 $\pm$ 0.001 χ^2 /NDF: 7511.5/37

Right: 0.215 $\pm$ 0.003 χ^2 /NDF: 1702.9/35

In: 0.096 $\pm$ 0.002 χ^2 /NDF:4670.3/34

Out: 0.134 $\pm$ 0.002 χ^2 /NDF:5854.6/38

All: 0.113 $\pm$ 0.001 χ^2 /NDF: 10771.8/73