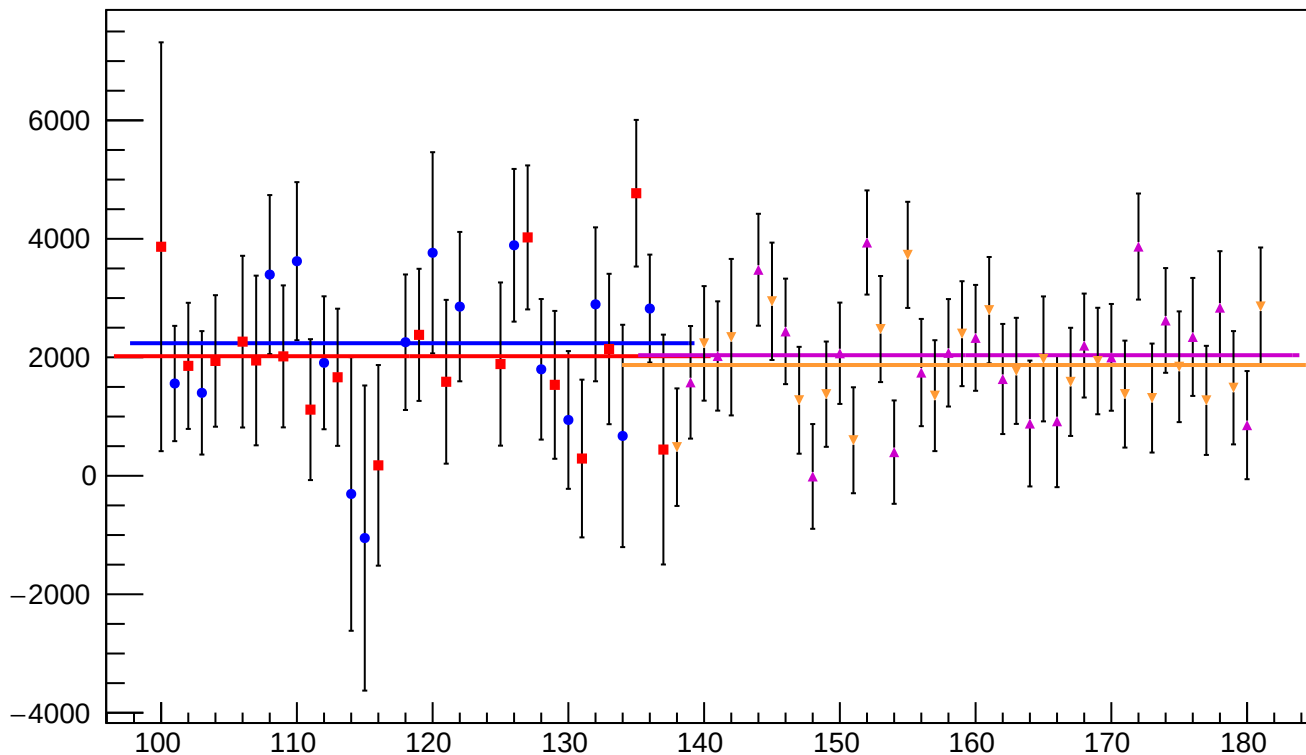


dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2237.929+/-314.642

Left Out: 1869.943+/-200.024

Right Out: 2018.625+/-308.362

Left In: 2035.512+/-200.707

χ^2/NDF : 11.3/15

χ^2/NDF : 15.0/21

χ^2/NDF : 12.6/17

χ^2/NDF : 26.1/20

Left: 1952.446+/-141.679

Right: 2126.067+/-220.232

In: 2094.055+/-169.212

Out: 1913.976+/-167.811

All: 2003.268+/-119.152

χ^2/NDF : 41.4/42

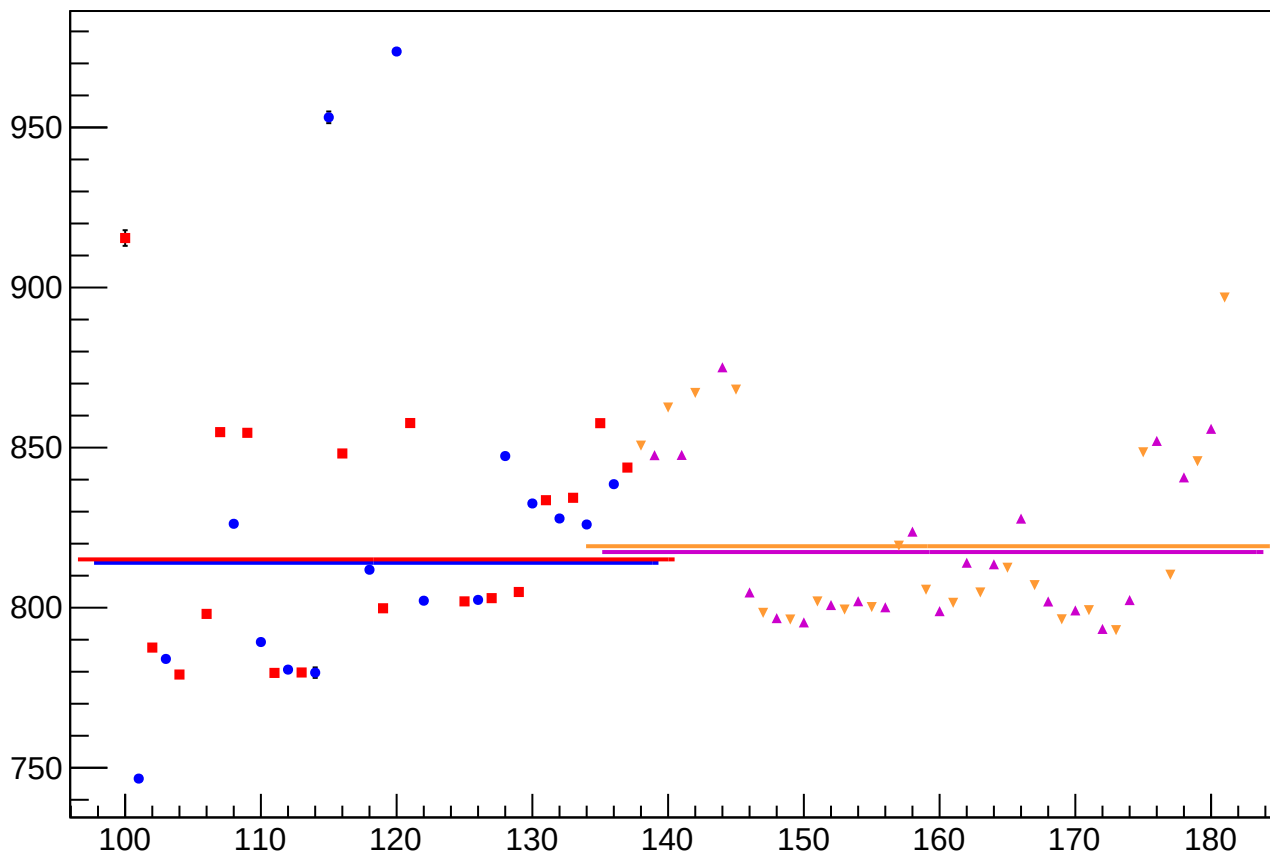
χ^2/NDF : 24.1/33

χ^2/NDF : 37.7/36

χ^2/NDF : 27.7/39

χ^2/NDF : 66.0/76

dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 814.021+/-0.222 χ^2/NDF : 42041.6/15

Left Out: 819.200+/-0.141 χ^2/NDF : 40499.8/21

Right Out: 815.084+/-0.218 χ^2/NDF : 19959.3/17

Left In: 817.379+/-0.142 χ^2/NDF : 28337.3/20

Left: 818.292+/-0.100 χ^2/NDF : 68919.7/42

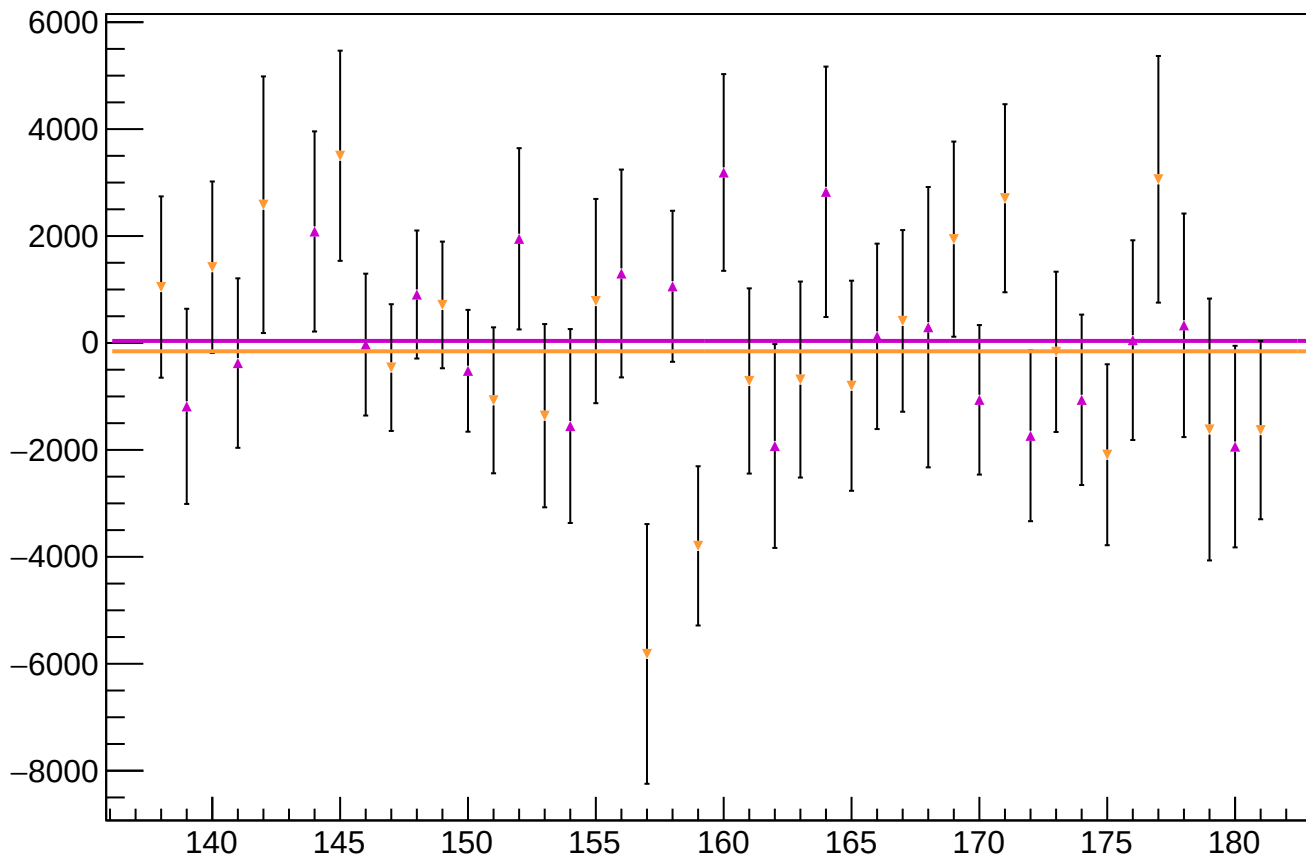
Right: 814.563+/-0.156 χ^2/NDF : 62012.6/33

In: 816.408+/-0.120 χ^2/NDF : 70540.8/36

Out: 817.981+/-0.119 χ^2/NDF : 60709.8/39

All: 817.201+/-0.084 χ^2/NDF : 131337.8/76

asym_us_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -155.498+/-359.578 χ^2/NDF :28.2/21

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

Left In: 38.497+/-358.911 χ^2/NDF :14.3/20

Left: -58.320+/-254.024 χ^2/NDF : 42.7/42

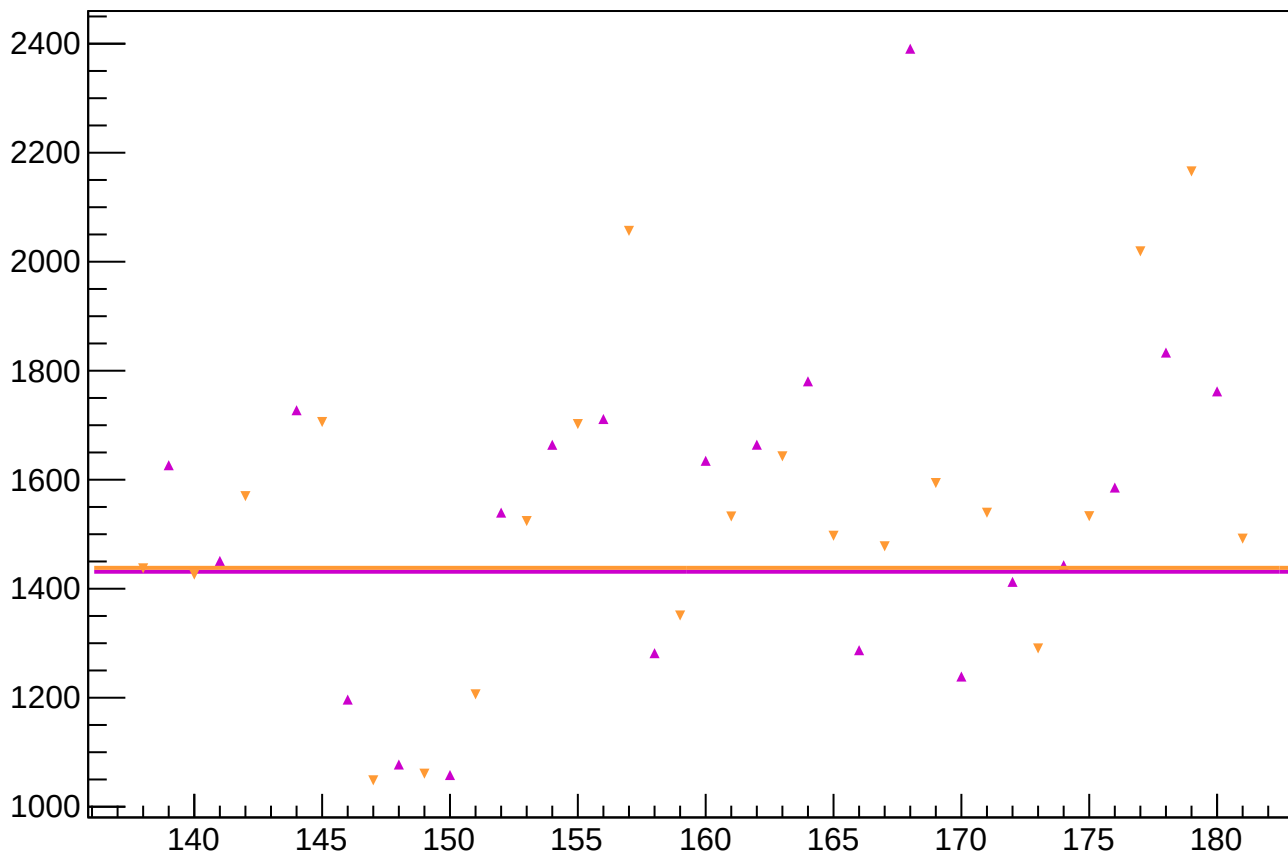
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 38.497+/-358.911 χ^2/NDF :14.3/20

Out: -155.498+/-359.578 χ^2/NDF :28.2/21

All: -58.320+/-254.024 χ^2/NDF : 42.7/42

asym_us_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1438.336+/-0.254 χ^2/NDF :1086281.5/21

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

Left In: 1431.177+/-0.254 χ^2/NDF :1198217.2/20

Left: 1434.750+/-0.180 χ^2/NDF : 2284895.8/42

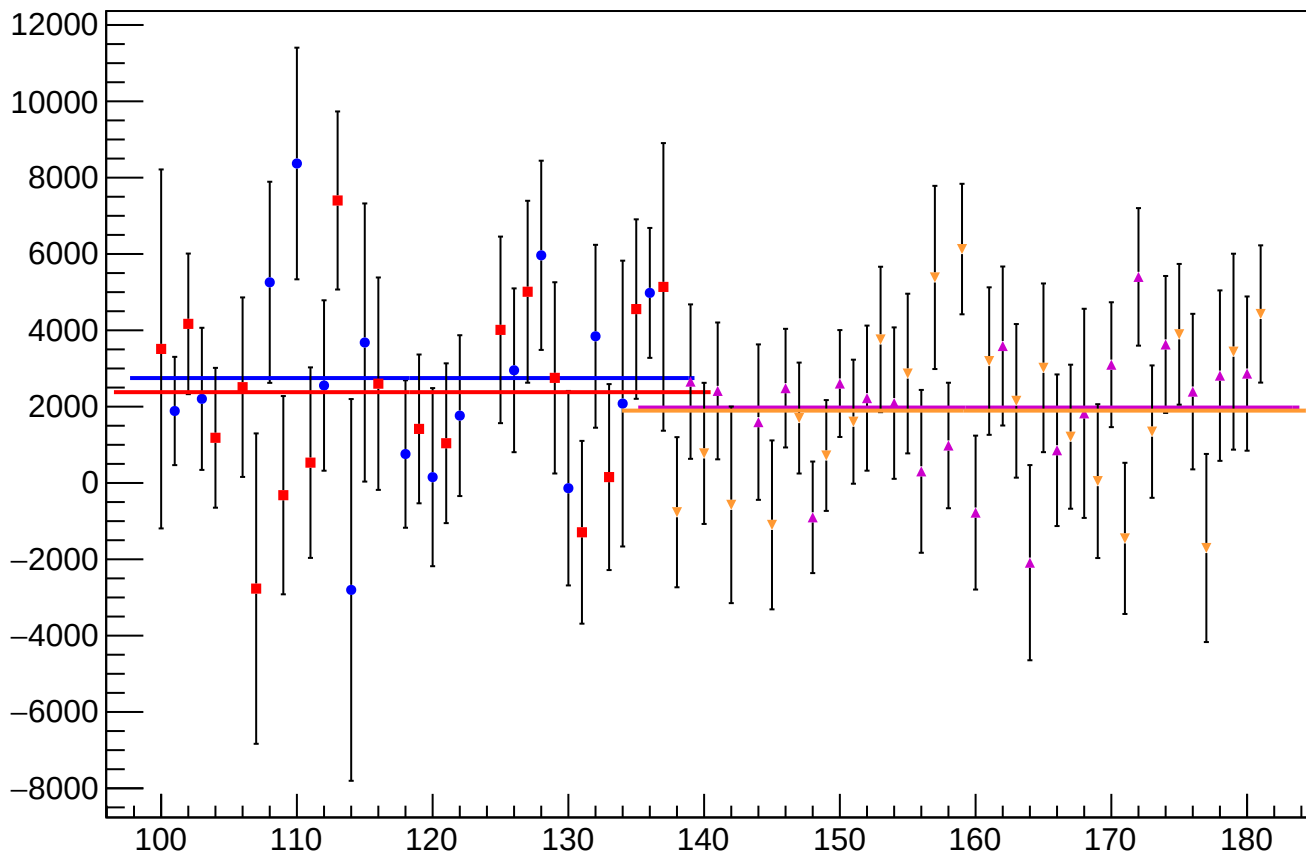
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1431.177+/-0.254 χ^2/NDF :1198217.2/20

Out: 1438.336+/-0.254 χ^2/NDF :1086281.5/21

All: 1434.750+/-0.180 χ^2/NDF : 2284895.8/42

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2748.777+/-562.943 χ^2/NDF : 13.5/15

Left Out: 1895.954+/-408.056 χ^2/NDF : 25.4/21

Right Out: 2379.450+/-568.967 χ^2/NDF : 16.2/17

Left In: 1976.405+/-408.140 χ^2/NDF : 16.0/20

Left: 1936.171+/-288.569 χ^2/NDF : 41.4/42

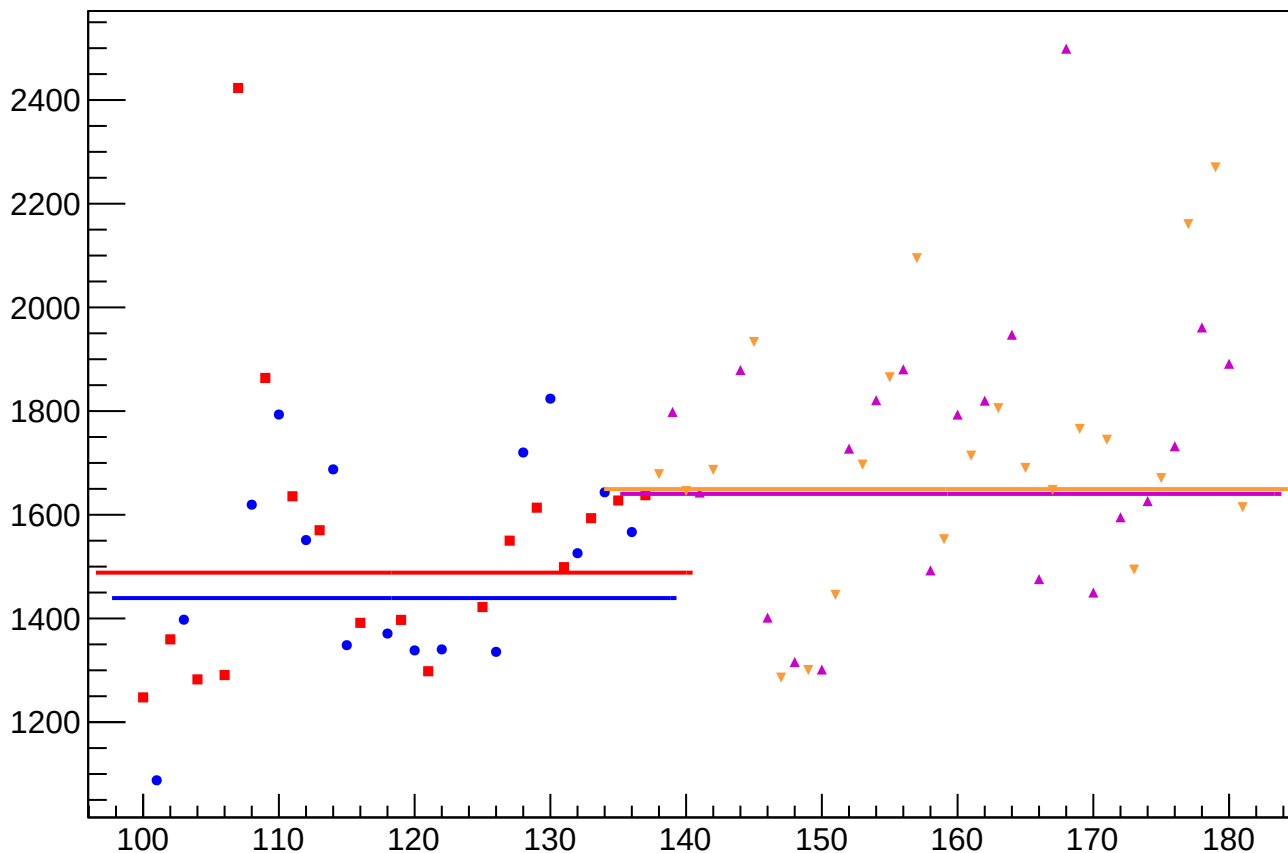
Right: 2566.079+/-400.174 χ^2/NDF : 30.0/33

In: 2242.516+/-330.433 χ^2/NDF : 30.8/36

Out: 2060.176+/-331.593 χ^2/NDF : 42.1/39

All: 2151.666+/-234.060 χ^2/NDF : 73.0/76

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1649.516+/-0.289 χ^2/NDF : 649879.1/21

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

Left In: 1640.238+/-0.289 χ^2/NDF : 734605.9/20

Left: 1644.878+/-0.204 χ^2/NDF : 1385001.8/42

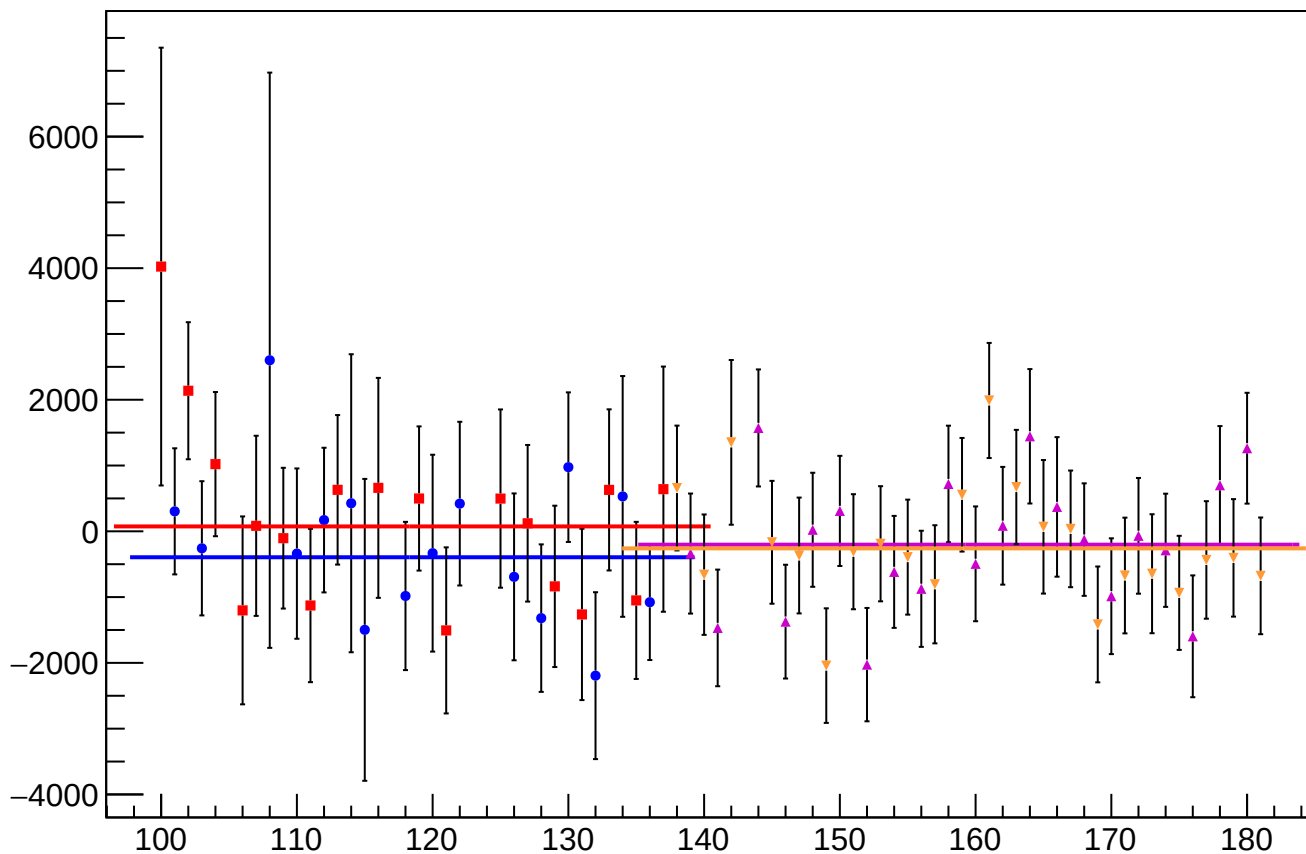
Right: 1463.597+/-0.283 χ^2/NDF : 541697.1/33

In: 1571.019+/-0.234 χ^2/NDF : 1179435.6/36

Out: 1594.787+/-0.234 χ^2/NDF : 1012127.1/39

All: 1582.861+/-0.166 χ^2/NDF : 2196718.5/76

dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -259.682 ± 192.493 χ^2/NDF : 19.3/21

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

Left In: -203.062 ± 193.752 χ^2/NDF : 24.9/20

Left: -231.556 ± 136.556 χ^2/NDF : 44.3/42

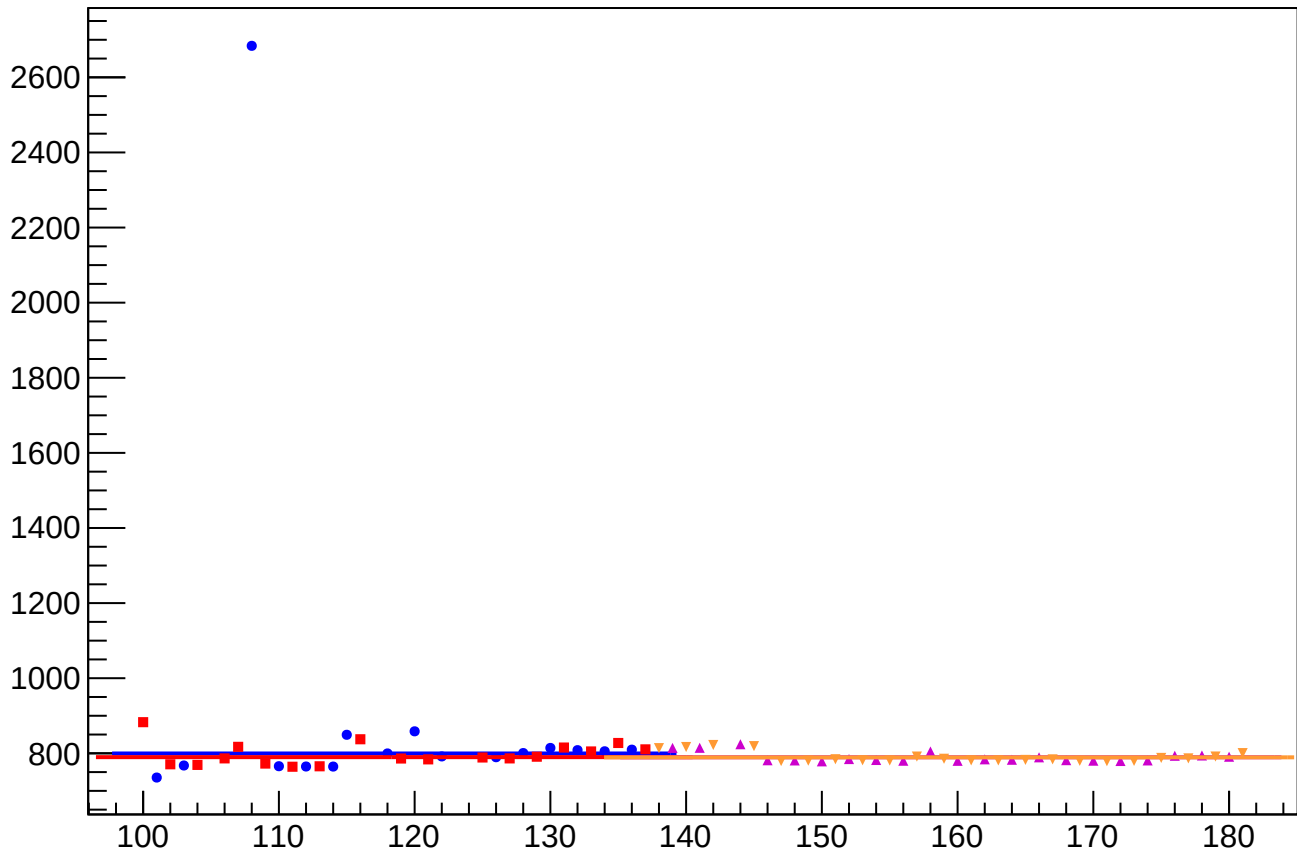
Right: -148.721 ± 216.034 χ^2/NDF : 21.5/33

In: -256.015 ± 164.768 χ^2/NDF : 32.6/36

Out: -161.543 ± 161.756 χ^2/NDF : 33.1/39

All: -207.908 ± 115.429 χ^2/NDF : 65.9/76

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 789.282 $\pm$ 0.136 χ^2 /NDF: 9083.0/21

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

Left In: 789.523 $\pm$ 0.137 χ^2 /NDF: 9179.0/20

Left: 789.402 $\pm$ 0.097 χ^2 /NDF: 18263.6/42

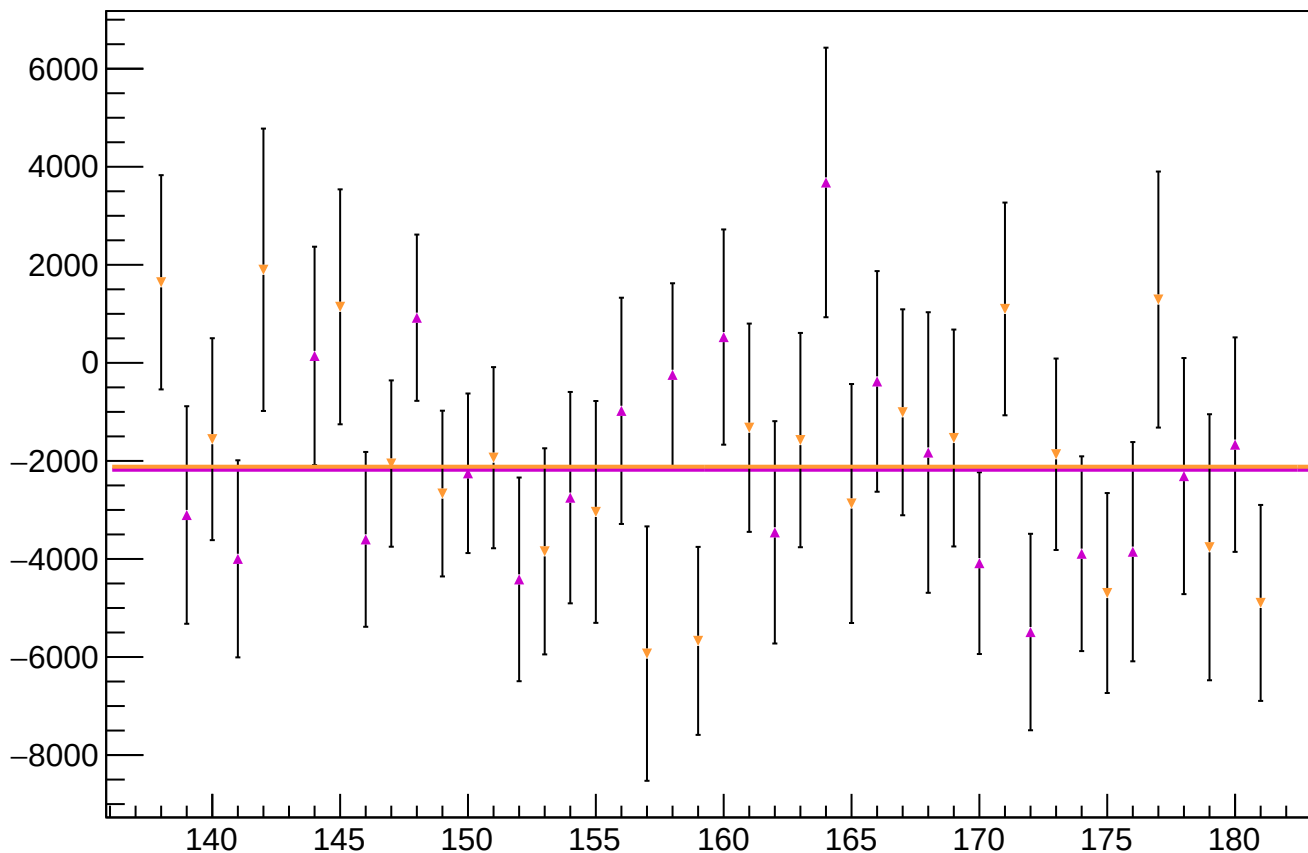
Right: 794.430 $\pm$ 0.153 χ^2 /NDF: 403375.5/33

In: 792.295 $\pm$ 0.117 χ^2 /NDF: 401844.0/36

Out: 789.433 $\pm$ 0.114 χ^2 /NDF: 20262.1/39

All: 790.837 $\pm$ 0.082 χ^2 /NDF: 422413.4/76

asym_us_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -2118.143+/-454.042 χ^2/NDF :21.8/21

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

Left In: -2179.993+/-454.451 χ^2/NDF :20.8/20

Left: -2149.040+/-321.201 χ^2/NDF : 42.7/42

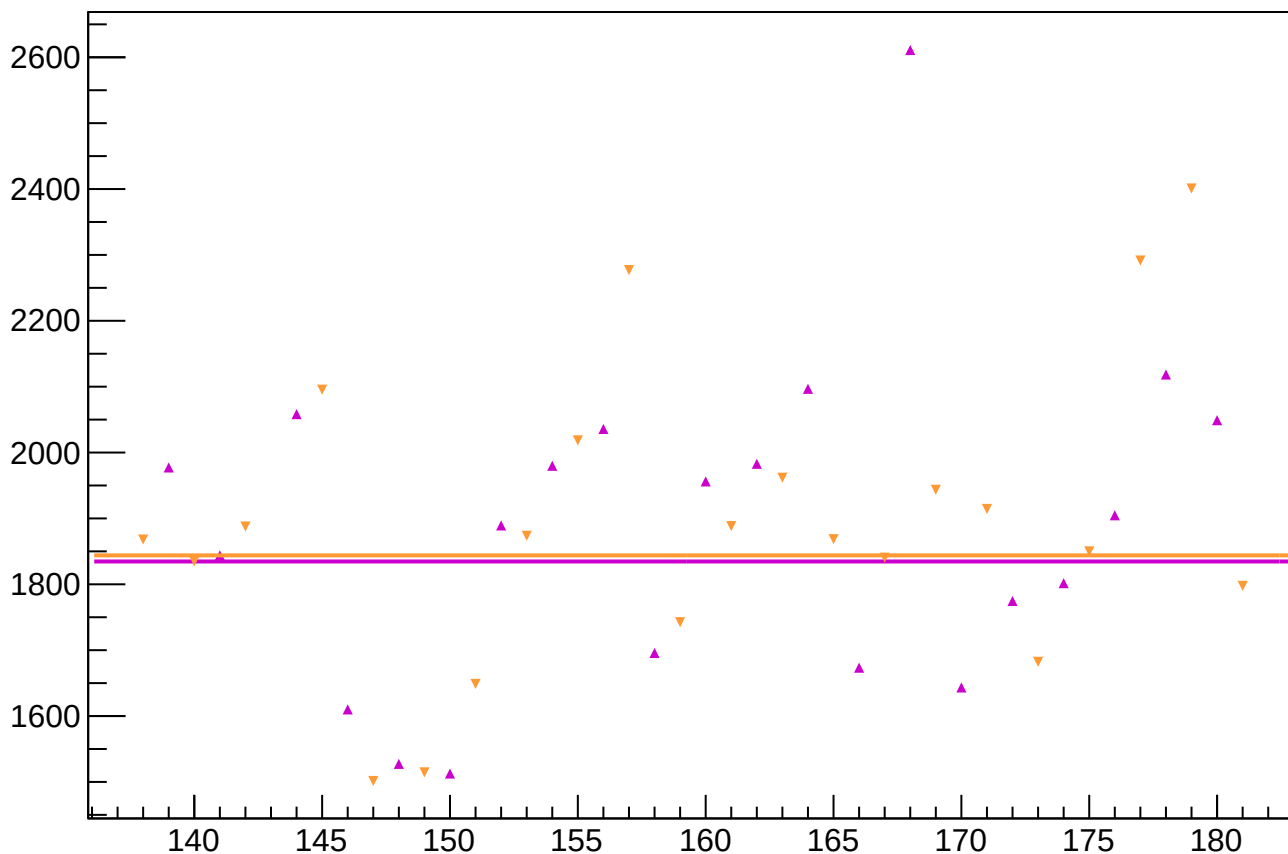
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -2179.993+/-454.451 χ^2/NDF :20.8/20

Out: -2118.143+/-454.042 χ^2/NDF :21.8/21

All: -2149.040+/-321.201 χ^2/NDF : 42.7/42

asym_us_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1843.909+/-0.321 χ^2/NDF :447009.3/21

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

Left In: 1834.627+/-0.321 χ^2/NDF :503773.6/20

Left: 1839.272+/-0.227 χ^2/NDF : 951200.4/42

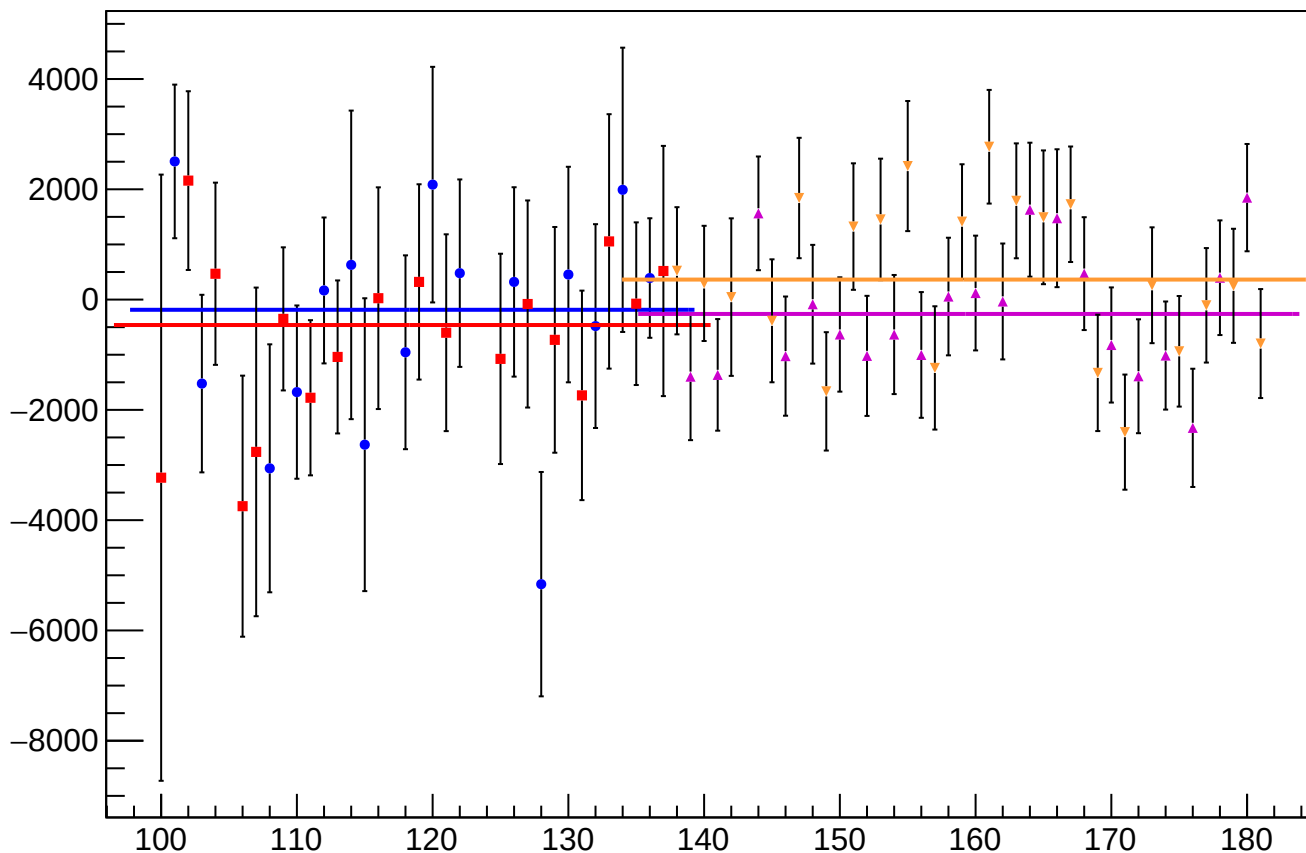
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1834.627+/-0.321 χ^2/NDF :503773.6/20

Out: 1843.909+/-0.321 χ^2/NDF :447009.3/21

All: 1839.272+/-0.227 χ^2/NDF : 951200.4/42

asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 362.920 ± 230.918 $\chi^2/\text{NDF}: 36.5/21$

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

Left In: -260.470 ± 232.386 $\chi^2/\text{NDF}: 23.0/20$

Left: 53.200 ± 163.800 $\chi^2/\text{NDF}: 63.1/42$

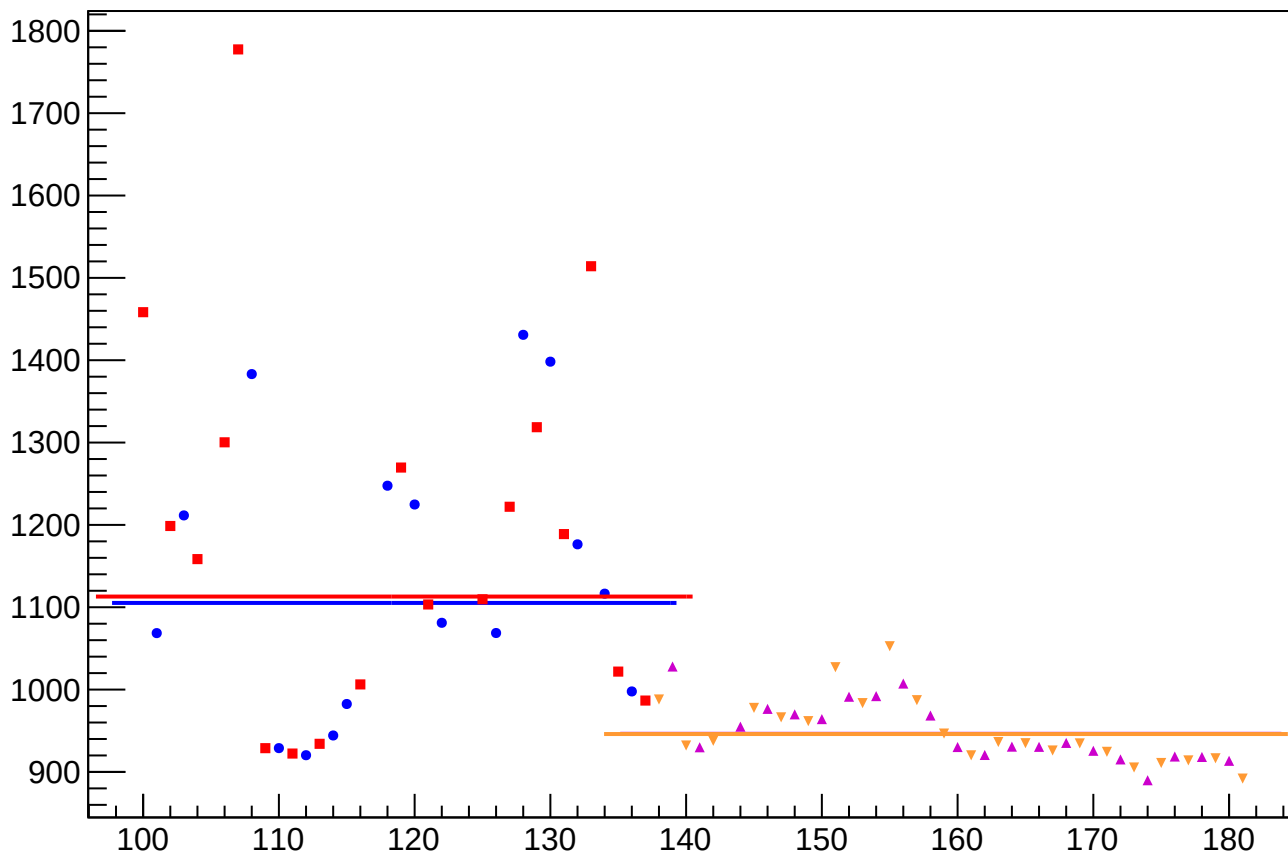
Right: -324.625 ± 303.483 $\chi^2/\text{NDF}: 25.2/33$

In: -243.514 ± 204.601 $\chi^2/\text{NDF}: 39.7/36$

Out: 176.373 ± 203.111 $\chi^2/\text{NDF}: 47.7/39$

All: -32.036 ± 144.145 $\chi^2/\text{NDF}: 89.5/76$

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1105.236 ± 0.305 $\chi^2/\text{NDF}: 255366.2/15$

Left Out: 946.018 ± 0.163 $\chi^2/\text{NDF}: 55568.7/21$

Right Out: 1112.974 ± 0.302 $\chi^2/\text{NDF}: 362995.4/17$

Left In: 946.287 ± 0.164 $\chi^2/\text{NDF}: 44290.7/20$

Left: 946.152 ± 0.116 $\chi^2/\text{NDF}: 99860.7/42$

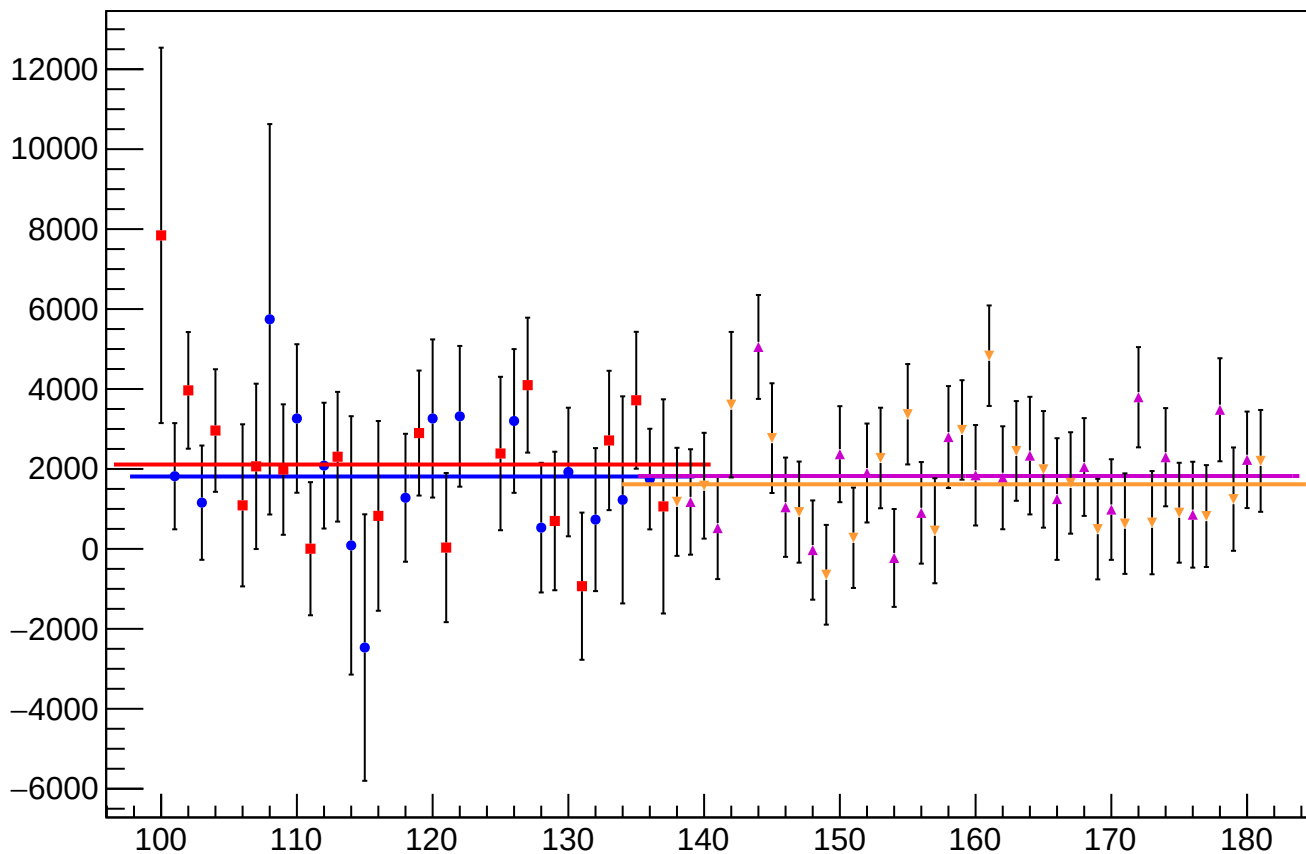
Right: 1109.146 ± 0.215 $\chi^2/\text{NDF}: 618686.6/33$

In: 982.025 ± 0.145 $\chi^2/\text{NDF}: 510027.5/36$

Out: 983.808 ± 0.144 $\chi^2/\text{NDF}: 655202.0/39$

All: 982.923 ± 0.102 $\chi^2/\text{NDF}: 1165306.0/76$

dit_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1616.301 $\pm$ 276.843 χ^2 /NDF:21.0/21

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

Left In: 1823.151 $\pm$ 278.277 χ^2 /NDF:19.9/20

Left: 1719.191 $\pm$ 196.263 χ^2 /NDF: 41.1/42

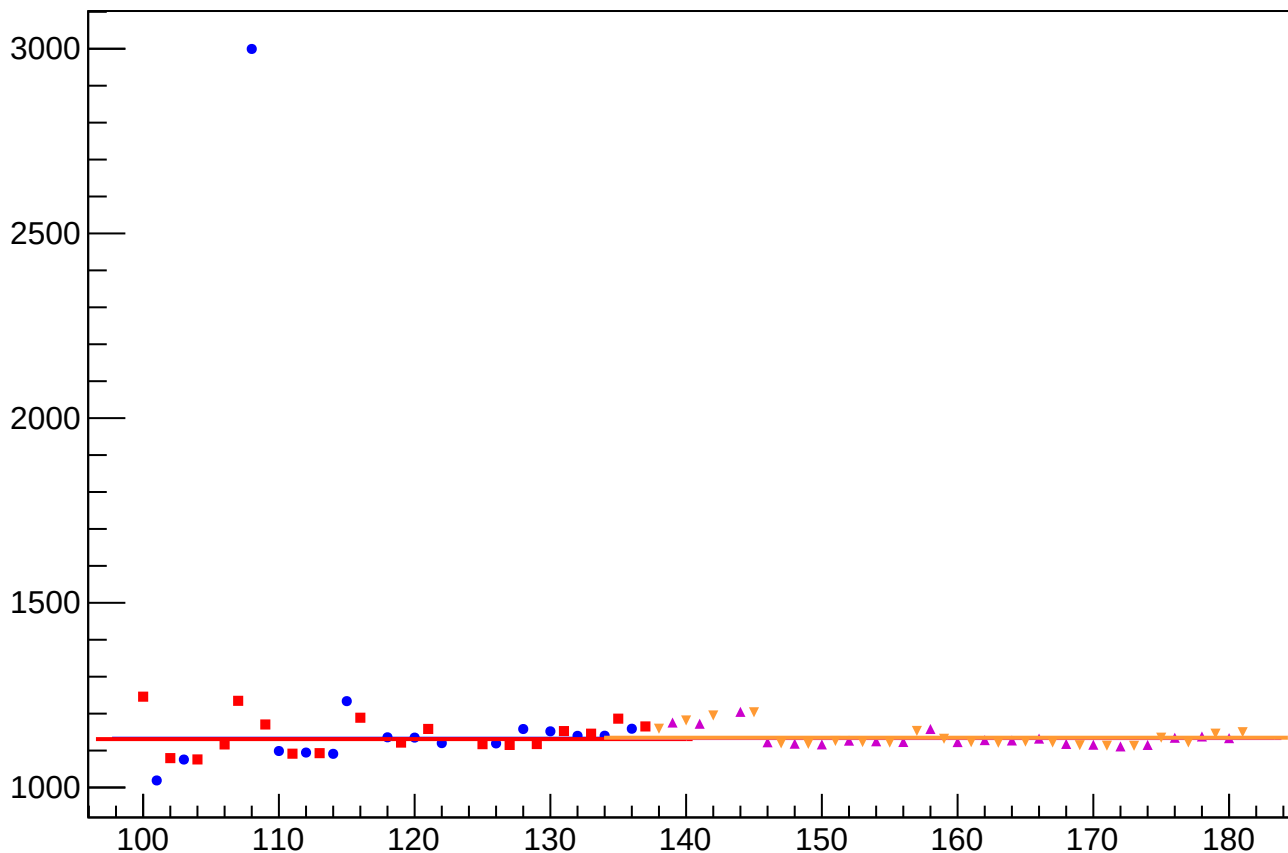
Right: 1966.016 $\pm$ 307.400 χ^2 /NDF: 19.7/33

In: 1819.718 $\pm$ 235.513 χ^2 /NDF:26.3/36

Out: 1762.381 $\pm$ 232.401 χ^2 /NDF:34.9/39

All: 1790.668 $\pm$ 165.422 χ^2 /NDF: 61.3/76

dit_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1134.782+/-0.196 χ^2/NDF : 14970.6/21

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

Left In: 1133.812+/-0.197 χ^2/NDF : 13863.2/20

Left: 1134.299+/-0.139 χ^2/NDF : 28846.1/42

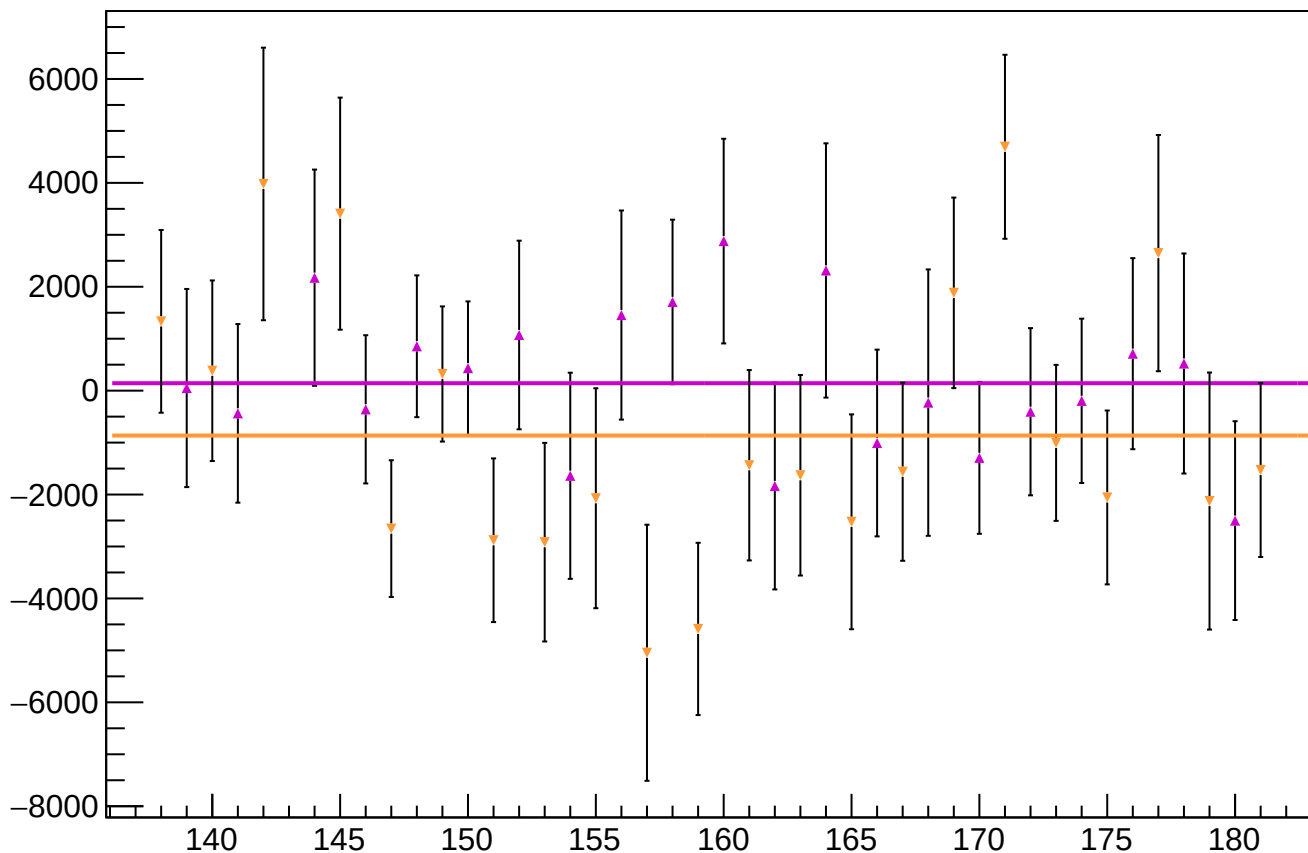
Right: 1131.528+/-0.217 χ^2/NDF : 335751.3/33

In: 1133.319+/-0.167 χ^2/NDF : 329911.6/36

Out: 1133.670+/-0.164 χ^2/NDF : 34799.0/39

All: 1133.497+/-0.117 χ^2/NDF : 364712.8/76

asym_usl_correction_mean vs Slug, Sign Corrected



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

Left Out: -864.095+/-381.626 χ^2/NDF :39.3/21

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

Left In: 143.308+/-381.664 χ^2/NDF :11.3/20

Left: -360.444+/-269.863 χ^2/NDF : 54.1/42

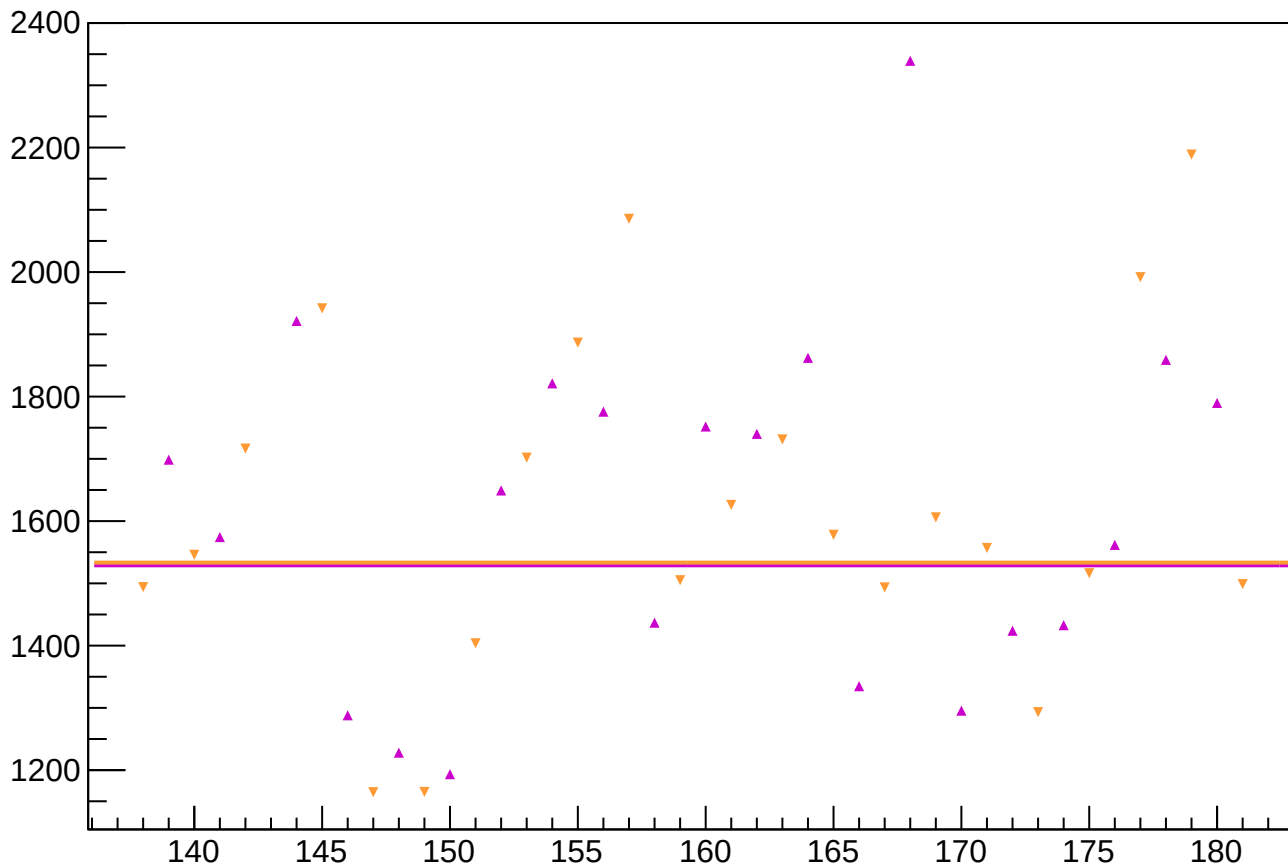
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 143.308+/-381.664 χ^2/NDF :11.3/20

Out: -864.095+/-381.626 χ^2/NDF :39.3/21

All: -360.444+/-269.863 χ^2/NDF : 54.1/42

asym_usl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1533.361+/-0.270 χ^2/NDF : 886386.8/21

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

Left In: 1529.015+/-0.270 χ^2/NDF : 929380.1/20

Left: 1531.188+/-0.191 χ^2/NDF : 1815896.6/42

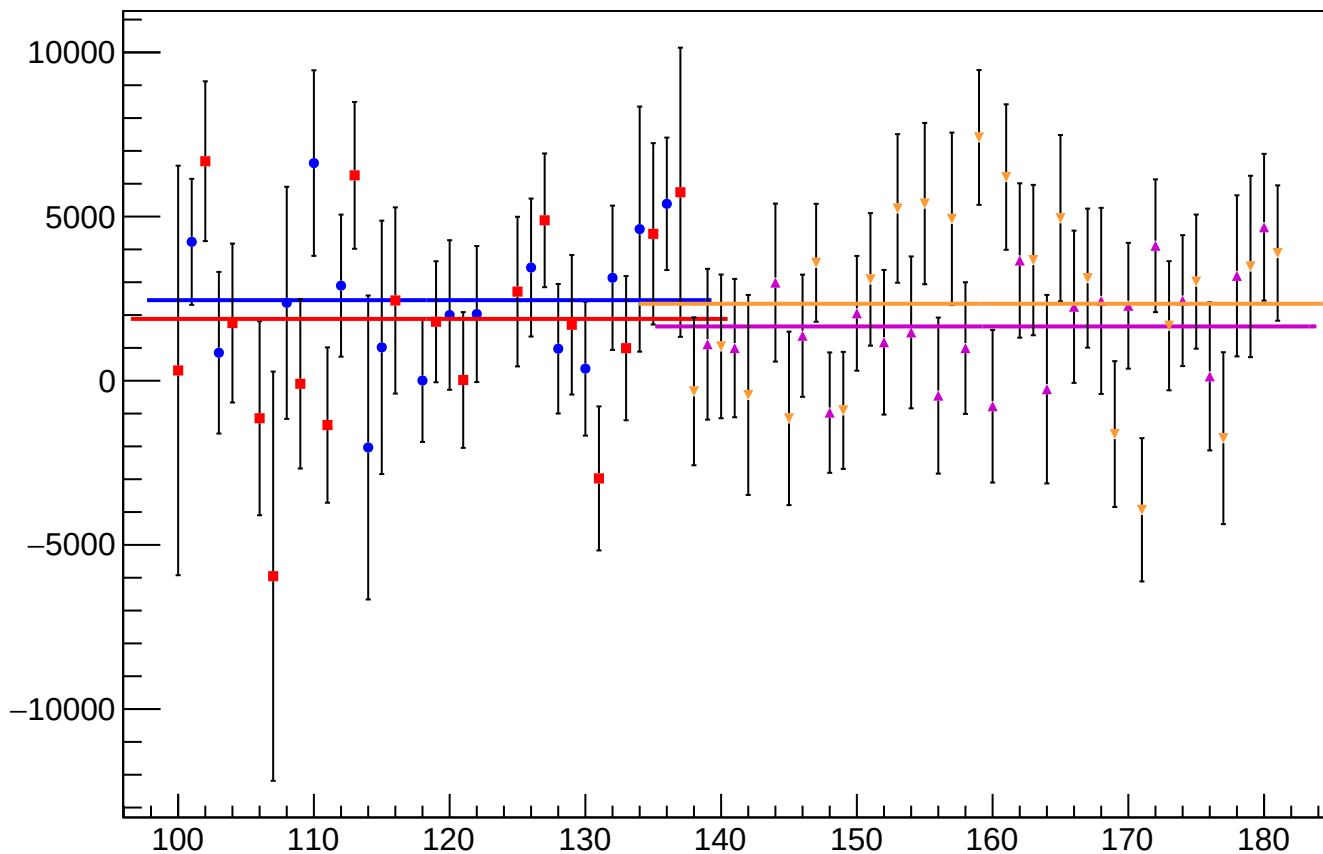
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1529.015+/-0.270 χ^2/NDF : 929380.1/20

Out: 1533.361+/-0.270 χ^2/NDF : 886386.8/21

All: 1531.188+/-0.191 χ^2/NDF : 1815896.6/42

asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 2344.301 $\pm$ 473.167 χ^2 /NDF:37.9/21

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

Left In: 1653.707 $\pm$ 474.087 χ^2 /NDF:10.4/20

Left: 1999.674 $\pm$ 334.904 χ^2 /NDF: 49.4/42

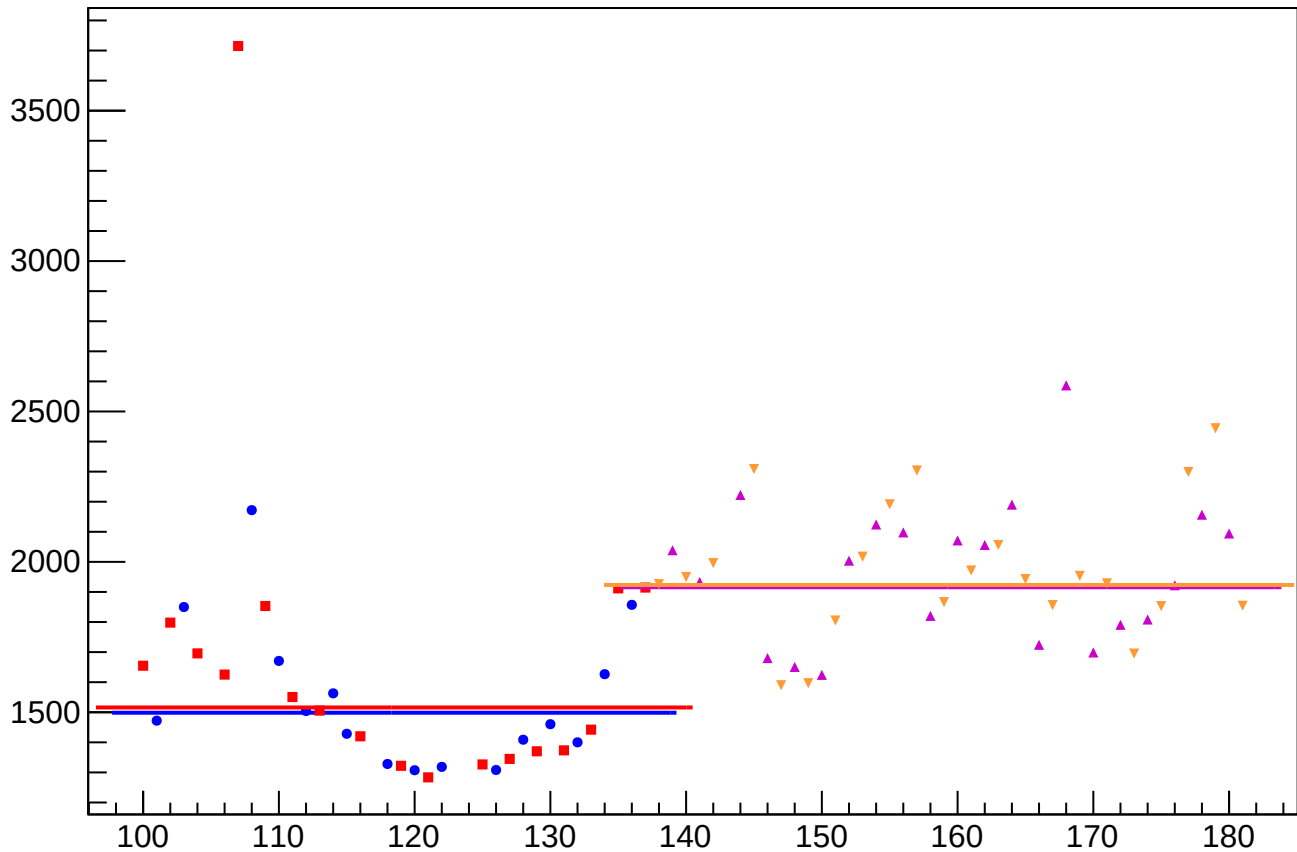
Right: 2167.665 $\pm$ 412.771 χ^2 /NDF: 34.0/33

In: 1971.275 $\pm$ 368.150 χ^2 /NDF:22.2/36

Out: 2161.083 $\pm$ 367.439 χ^2 /NDF:61.1/39

All: 2066.362 $\pm$ 260.070 χ^2 /NDF: 83.5/76

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1923.217 $\pm$ 0.335 χ^2 /NDF: 411818.7/21

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

Left In: 1915.633 $\pm$ 0.335 χ^2 /NDF: 434832.8/20

Left: 1919.433 $\pm$ 0.237 χ^2 /NDF: 846907.9/42

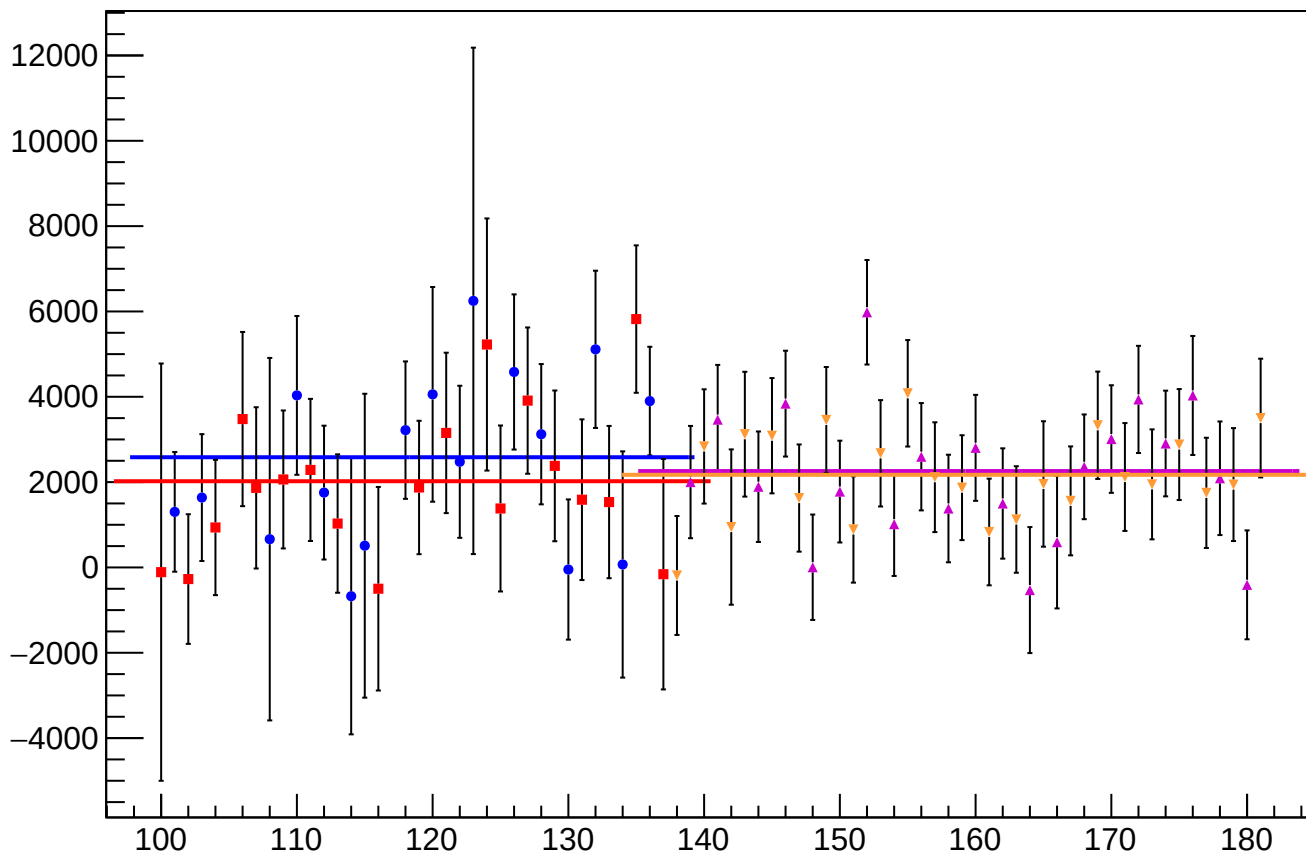
Right: 1507.233 $\pm$ 0.292 χ^2 /NDF: 740243.9/33

In: 1750.034 $\pm$ 0.260 χ^2 /NDF: 1308339.0/36

Out: 1761.545 $\pm$ 0.260 χ^2 /NDF: 1480547.8/39

All: 1755.801 $\pm$ 0.184 χ^2 /NDF: 2789866.3/76

dit_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2171.249 $\pm$ 273.559 χ^2/NDF : 13.7/22

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

Left In: 2258.987 $\pm$ 279.663 χ^2/NDF : 30.6/20

Left: 2214.150 $\pm$ 195.558 χ^2/NDF : 44.4/43

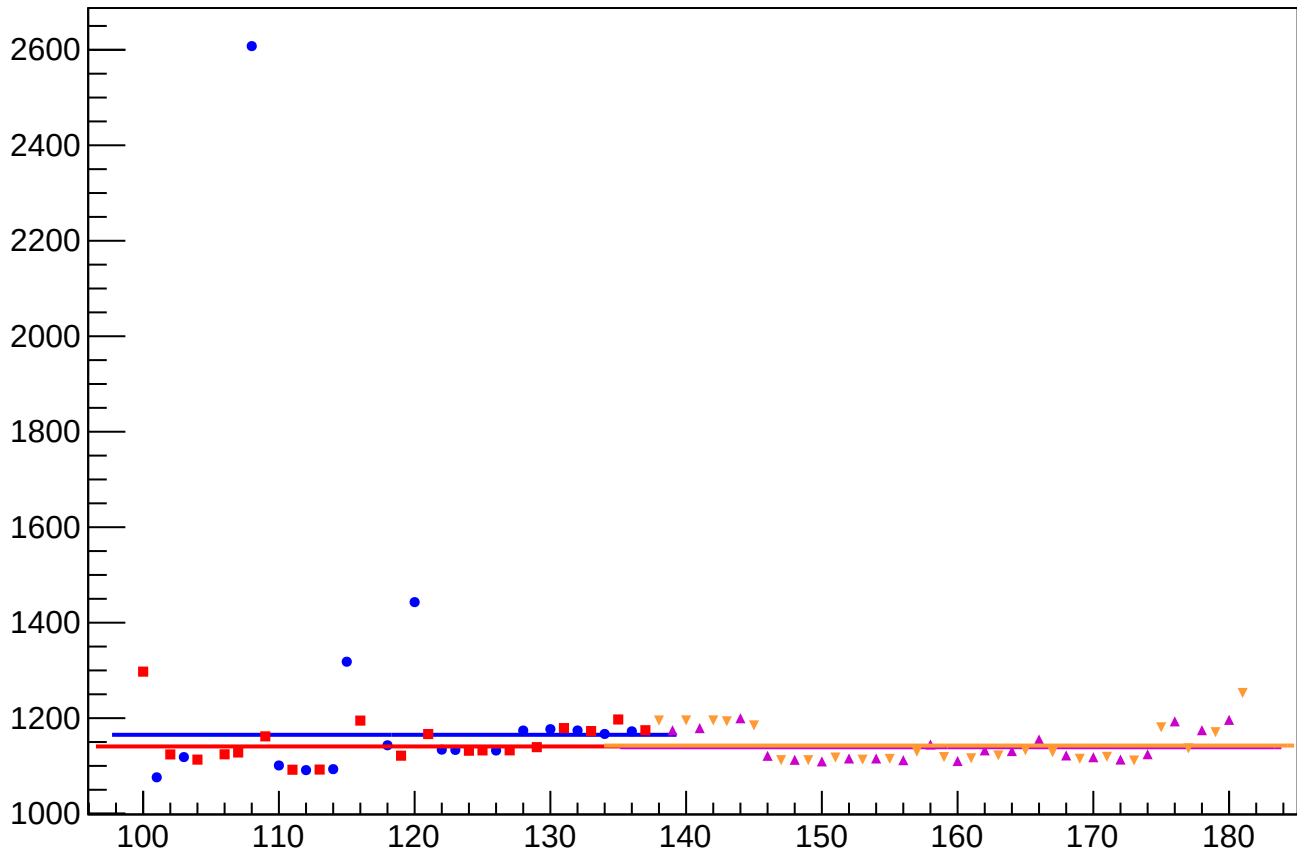
Right: 2284.984 $\pm$ 310.688 χ^2/NDF : 26.6/35

In: 2348.342 $\pm$ 237.996 χ^2/NDF : 43.3/37

Out: 2127.414 $\pm$ 230.304 χ^2/NDF : 27.3/41

All: 2234.250 $\pm$ 165.502 χ^2/NDF : 71.0/79

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1165.146 ± 0.320 χ^2/NDF : 278570.1/16

Left Out: 1142.625 ± 0.193 χ^2/NDF : 38121.7/22

Right Out: 1140.752 ± 0.302 χ^2/NDF : 12717.7/18

Left In: 1139.065 ± 0.198 χ^2/NDF : 24810.2/20

Left: 1140.885 ± 0.138 χ^2/NDF : 63097.5/43

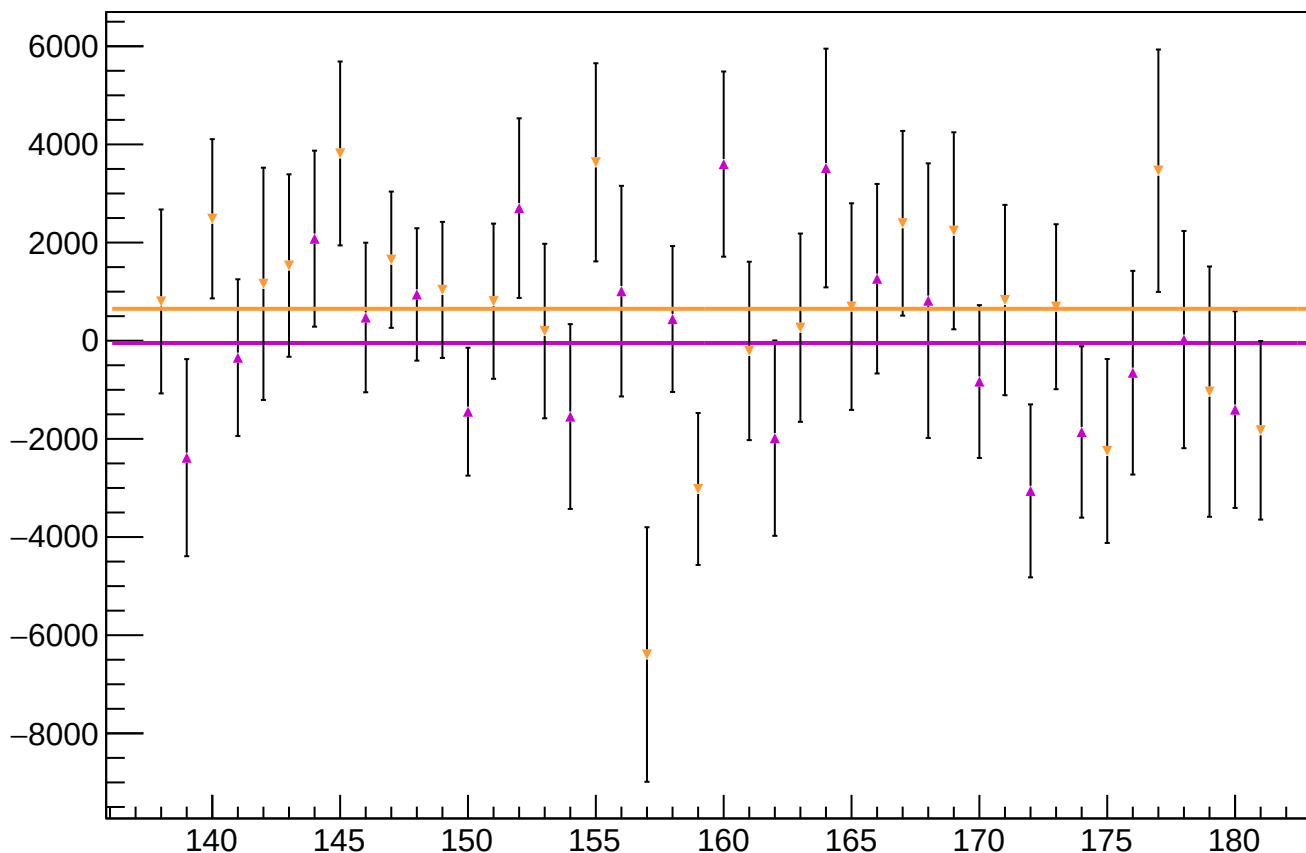
Right: 1152.217 ± 0.220 χ^2/NDF : 294359.2/35

In: 1146.258 ± 0.168 χ^2/NDF : 308177.4/37

Out: 1142.080 ± 0.163 χ^2/NDF : 50866.7/41

All: 1144.100 ± 0.117 χ^2/NDF : 359362.5/79

asym_usr_correction_mean vs Slug, Sign Corrected



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

Left Out: 650.668+/-382.355 χ^2/NDF :28.0/22

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

Left In: -45.769+/-388.760 χ^2/NDF :20.0/20

Left: 308.234+/-272.602 χ^2/NDF : 49.7/43

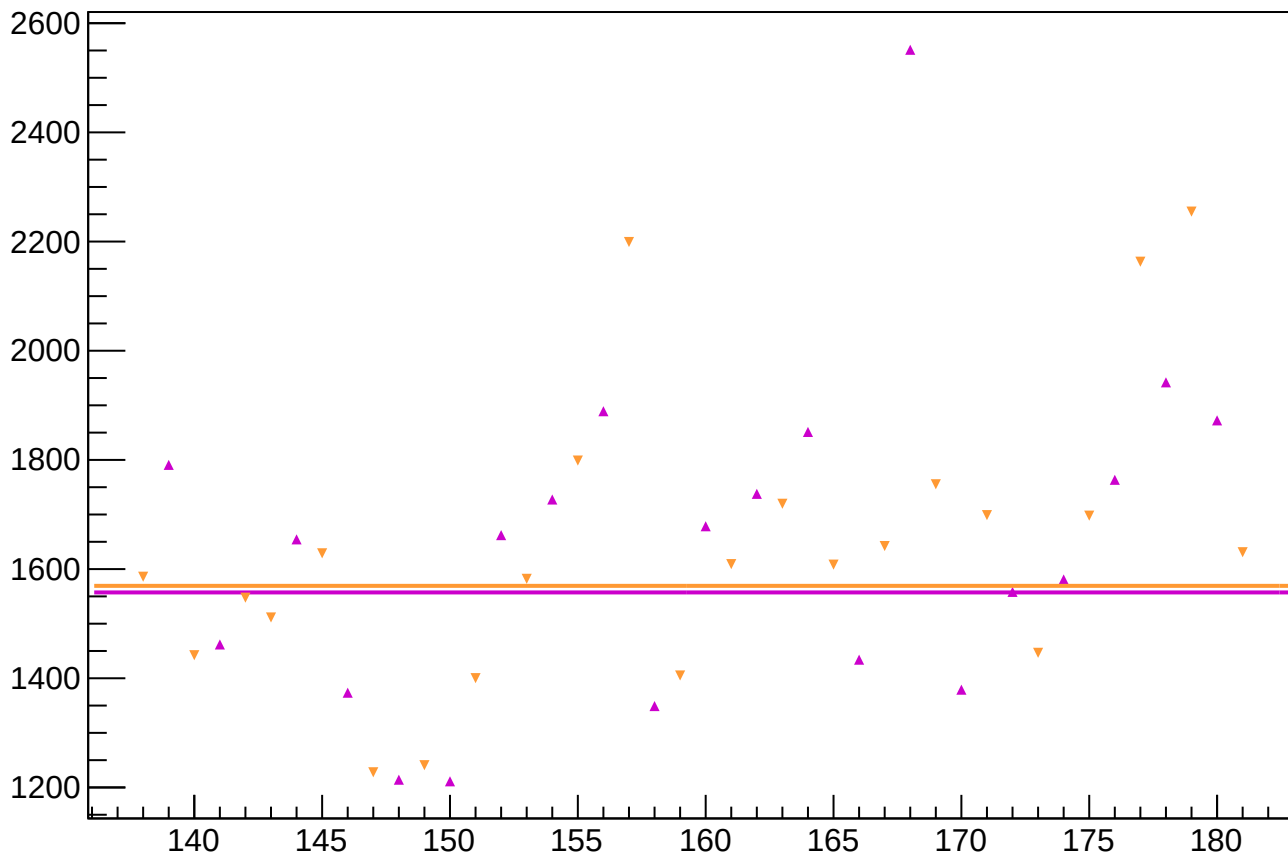
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -45.769+/-388.760 χ^2/NDF :20.0/20

Out: 650.668+/-382.355 χ^2/NDF :28.0/22

All: 308.234+/-272.602 χ^2/NDF : 49.7/43

asym_usr_correction_rms vs Slug, Sign Corrected



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

Left Out: 1569.307+/-0.270 χ^2/NDF : 764859.6/22

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

Left In: 1557.245+/-0.275 χ^2/NDF : 920300.0/20

Left: 1563.376+/-0.193 χ^2/NDF : 1686138.4/43

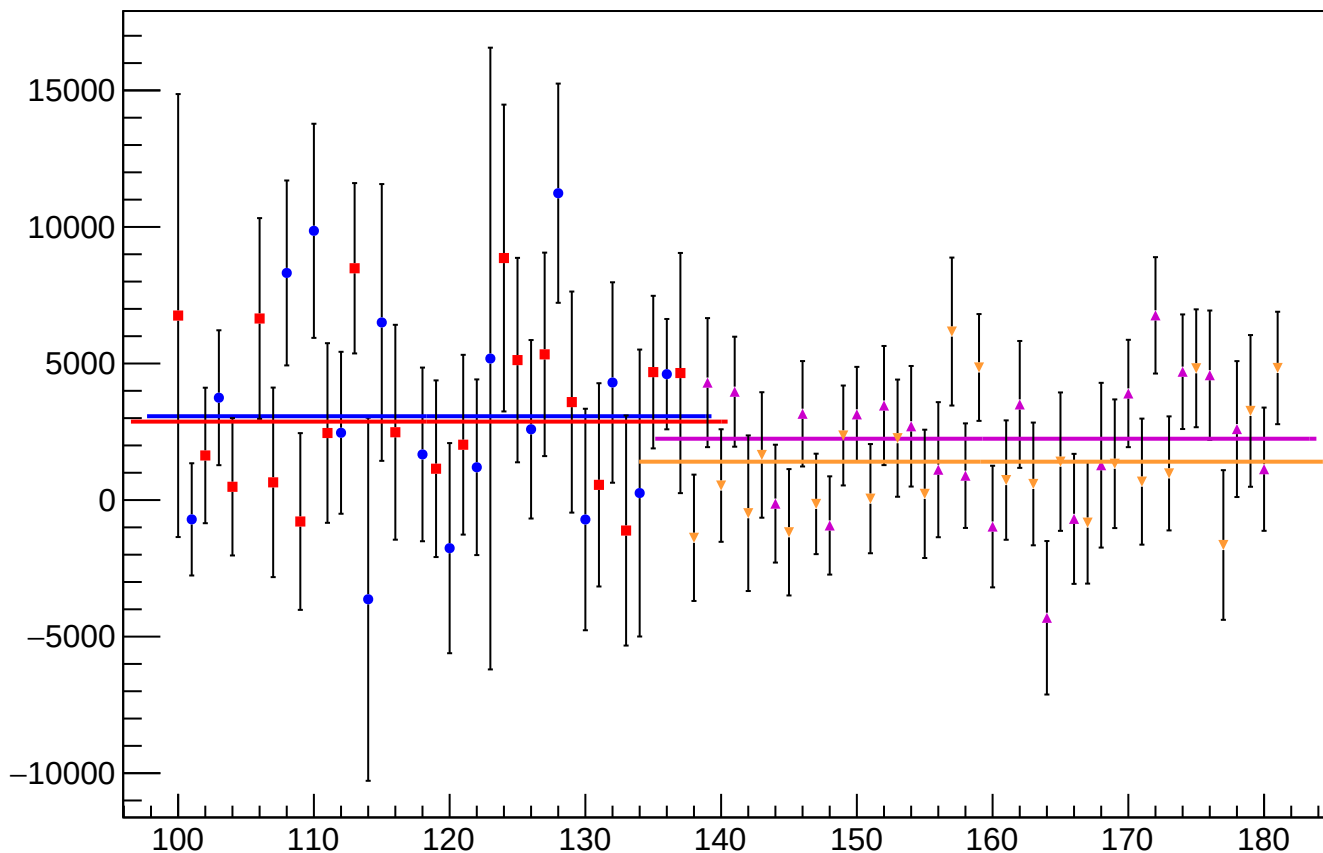
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1557.245+/-0.275 χ^2/NDF : 920300.0/20

Out: 1569.307+/-0.270 χ^2/NDF : 764859.6/22

All: 1563.376+/-0.193 χ^2/NDF : 1686138.4/43

asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 1405.220 $\pm$ 464.373 χ^2 /NDF:19.7/22

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

Left In: 2245.706 $\pm$ 474.411 χ^2 /NDF:24.6/20

Left: 1816.477 $\pm$ 331.854 χ^2 /NDF: 46.0/43

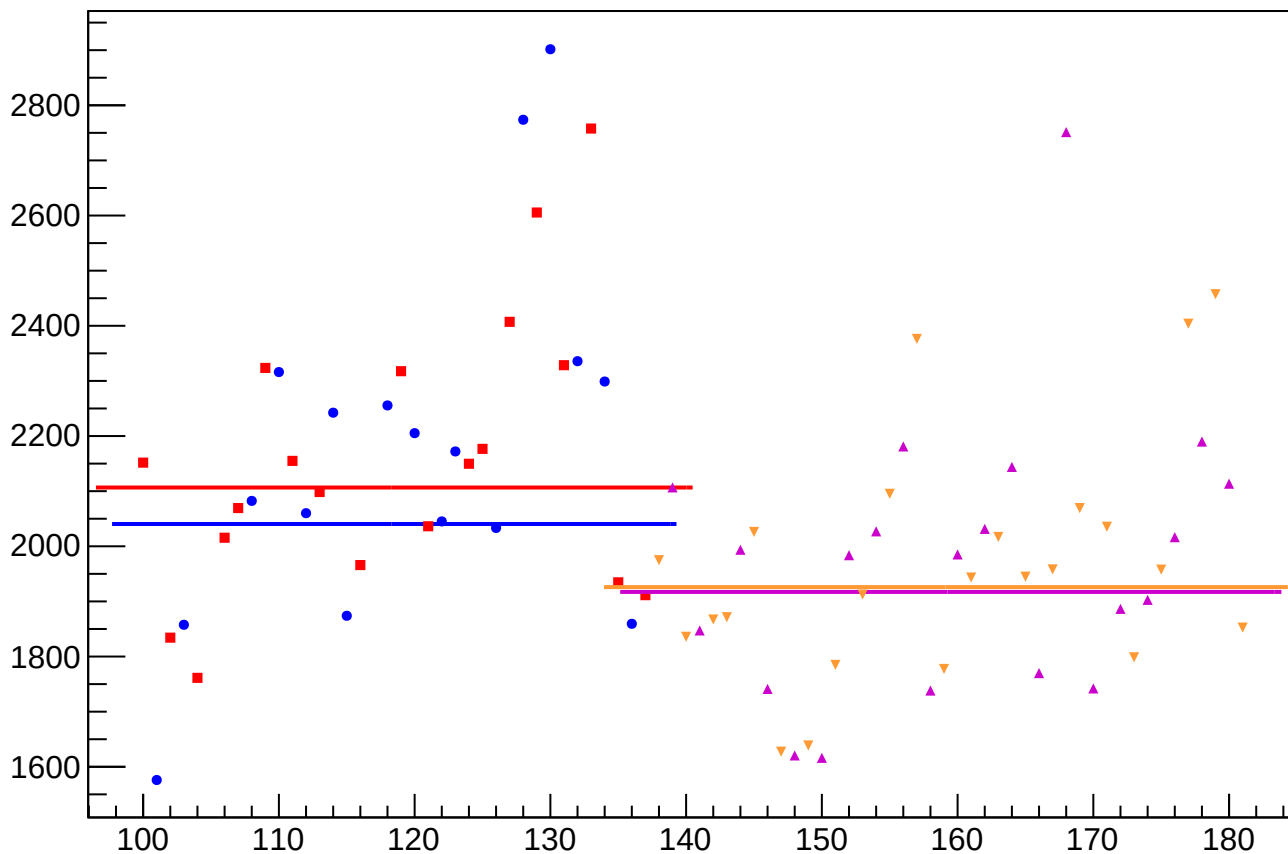
Right: 2970.754 $\pm$ 563.242 χ^2 /NDF: 30.1/35

In: 2460.928 $\pm$ 407.756 χ^2 /NDF:43.9/37

Out: 1778.272 $\pm$ 401.024 χ^2 /NDF:33.8/41

All: 2113.918 $\pm$ 285.917 χ^2 /NDF: 79.2/79

asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1925.992+/-0.328 χ^2/NDF : 359974.0/22

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

Left In: 1917.218+/-0.335 χ^2/NDF : 435246.8/20

Left: 1921.699+/-0.235 χ^2/NDF : 795570.2/43

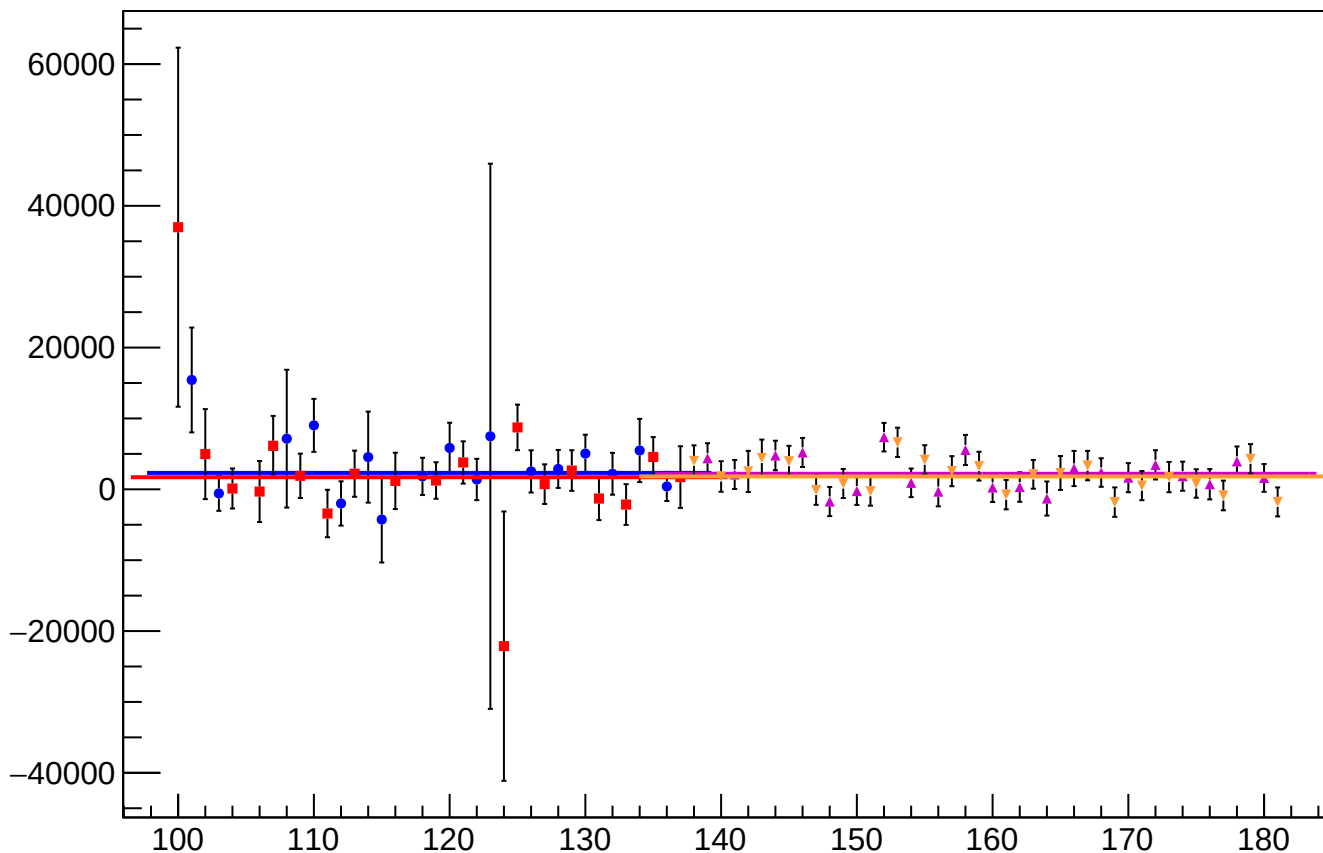
Right: 2073.628+/-0.398 χ^2/NDF : 533659.8/35

In: 1949.409+/-0.288 χ^2/NDF : 801834.2/37

Out: 1971.914+/-0.284 χ^2/NDF : 632320.5/41

All: 1960.849+/-0.202 χ^2/NDF : 1437251.4/79

dit_asym_at1_avg_mean vs Slug, Sign Corrected



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

Left Out: 1818.961 $\pm$ 444.609 χ^2 /NDF:24.5/22

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

Left In: 2191.949 $\pm$ 454.773 χ^2 /NDF:26.5/20

Left: 2001.241 $\pm$ 317.919 χ^2 /NDF: 51.4/43

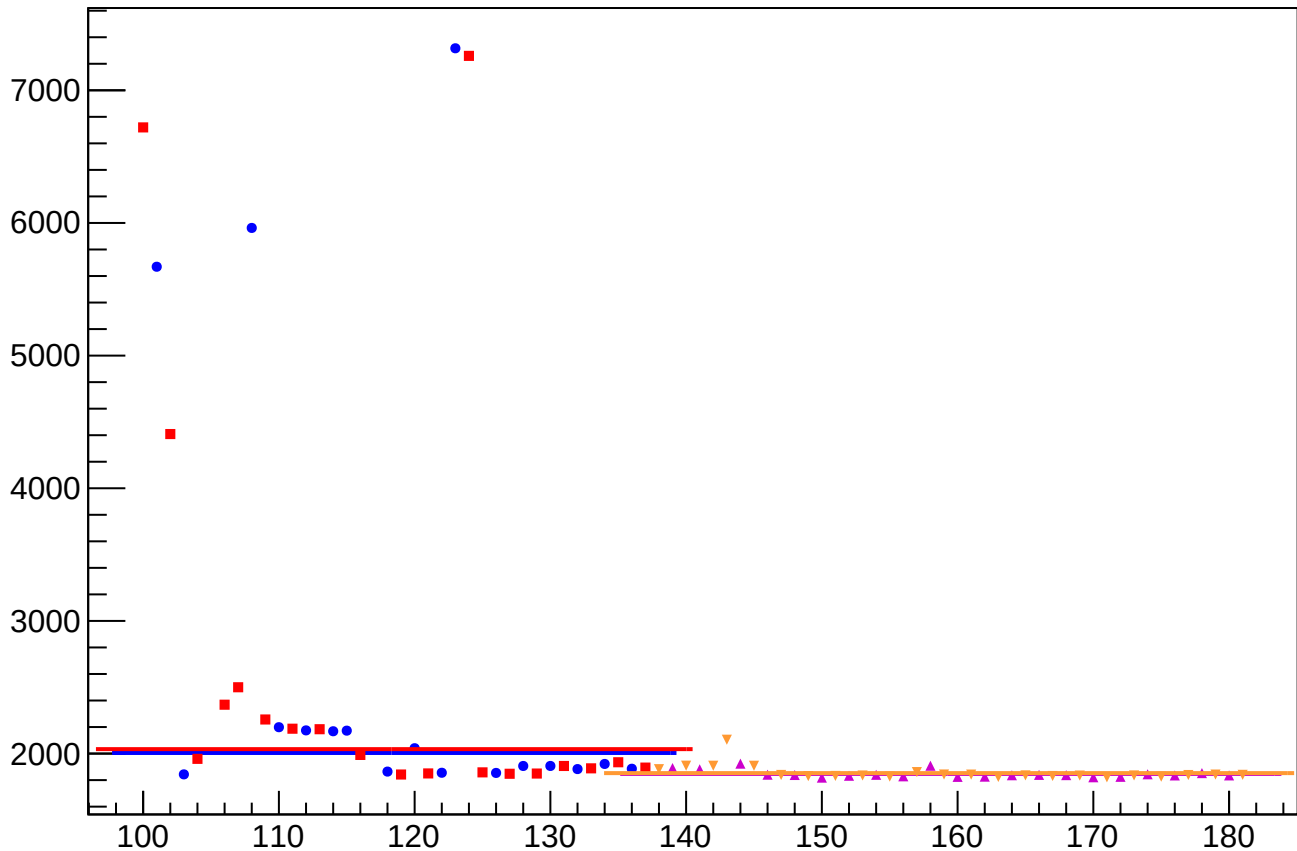
Right: 2005.073 $\pm$ 560.015 χ^2 /NDF: 32.3/35

In: 2222.903 $\pm$ 395.530 χ^2 /NDF:41.3/37

Out: 1791.291 $\pm$ 386.609 χ^2 /NDF:41.7/41

All: 2002.175 $\pm$ 276.474 χ^2 /NDF: 83.6/79

dit_asym_at1_avg_rms vs Slug, Sign Corrected



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

Left Out: 1852.675+/-0.314 χ^2/NDF : 25725.2/22

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

Left In: 1846.477+/-0.322 χ^2/NDF : 7797.9/20

Left: 1849.646+/-0.225 χ^2/NDF : 33713.0/43

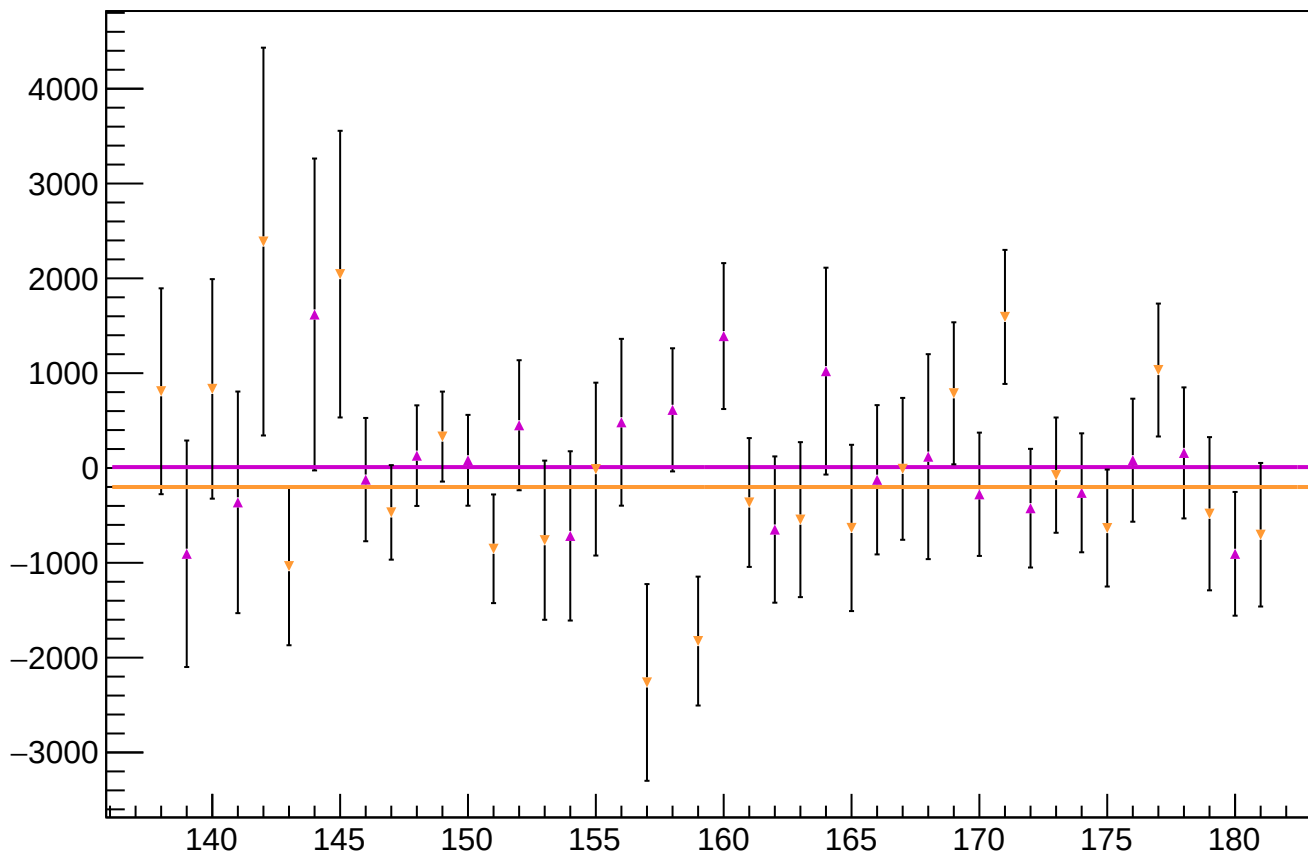
Right: 2019.360+/-0.396 χ^2/NDF : 1528357.7/35

In: 1884.979+/-0.280 χ^2/NDF : 982665.3/37

Out: 1896.774+/-0.273 χ^2/NDF : 717408.5/41

All: 1891.011+/-0.195 χ^2/NDF : 1700983.5/79

asym_at1_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -200.661+/-154.086 χ^2/NDF :32.4/22

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

Left In: 9.543+/-157.947 χ^2/NDF :11.7/20

Left: -98.160+/-110.295 χ^2/NDF : 45.0/43

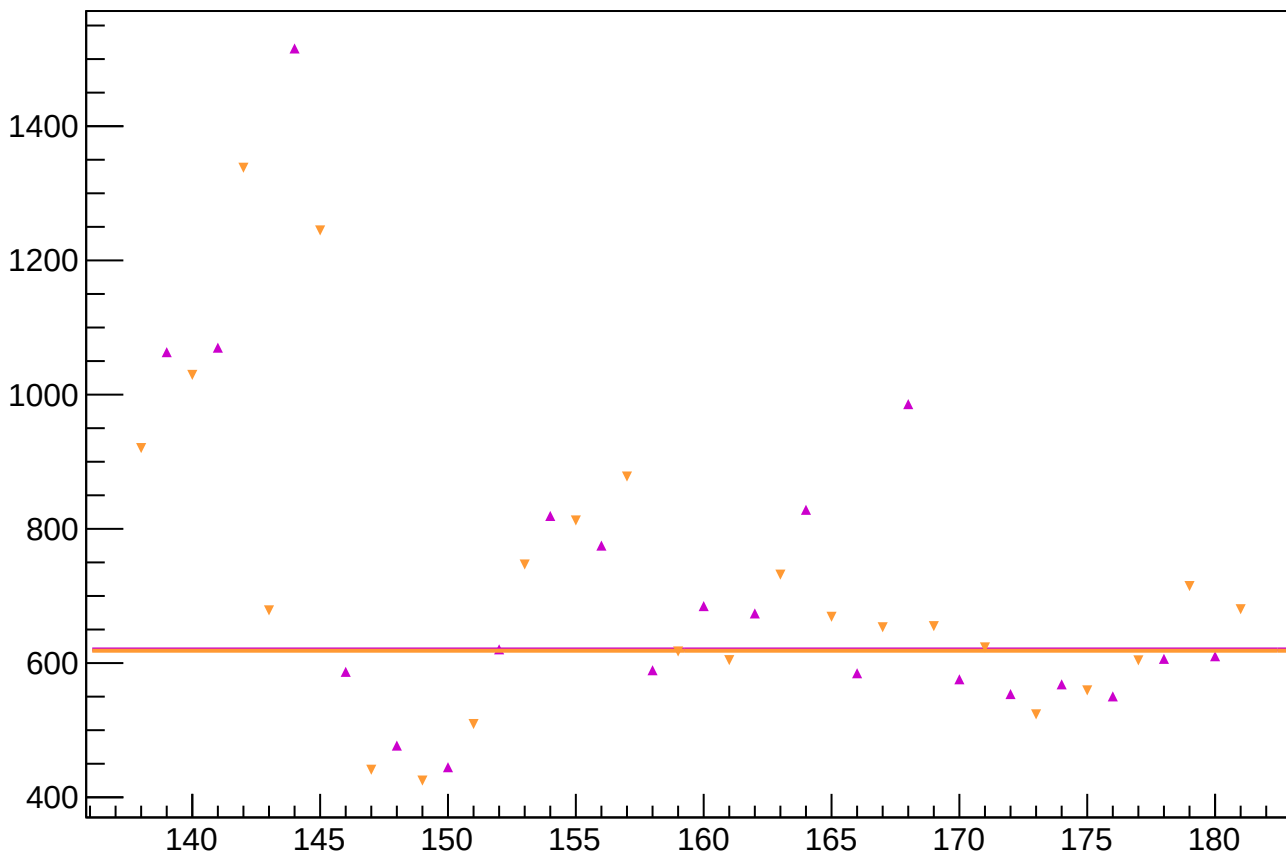
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 9.543+/-157.947 χ^2/NDF :11.7/20

Out: -200.661+/-154.086 χ^2/NDF :32.4/22

All: -98.160+/-110.295 χ^2/NDF : 45.0/43

asym_at1_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 618.437+/-0.109 χ^2/NDF :2094023.3/22

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

Left In: 620.282+/-0.112 χ^2/NDF :2149151.7/20

Left: 619.337+/-0.078 χ^2/NDF : 4243314.9/43

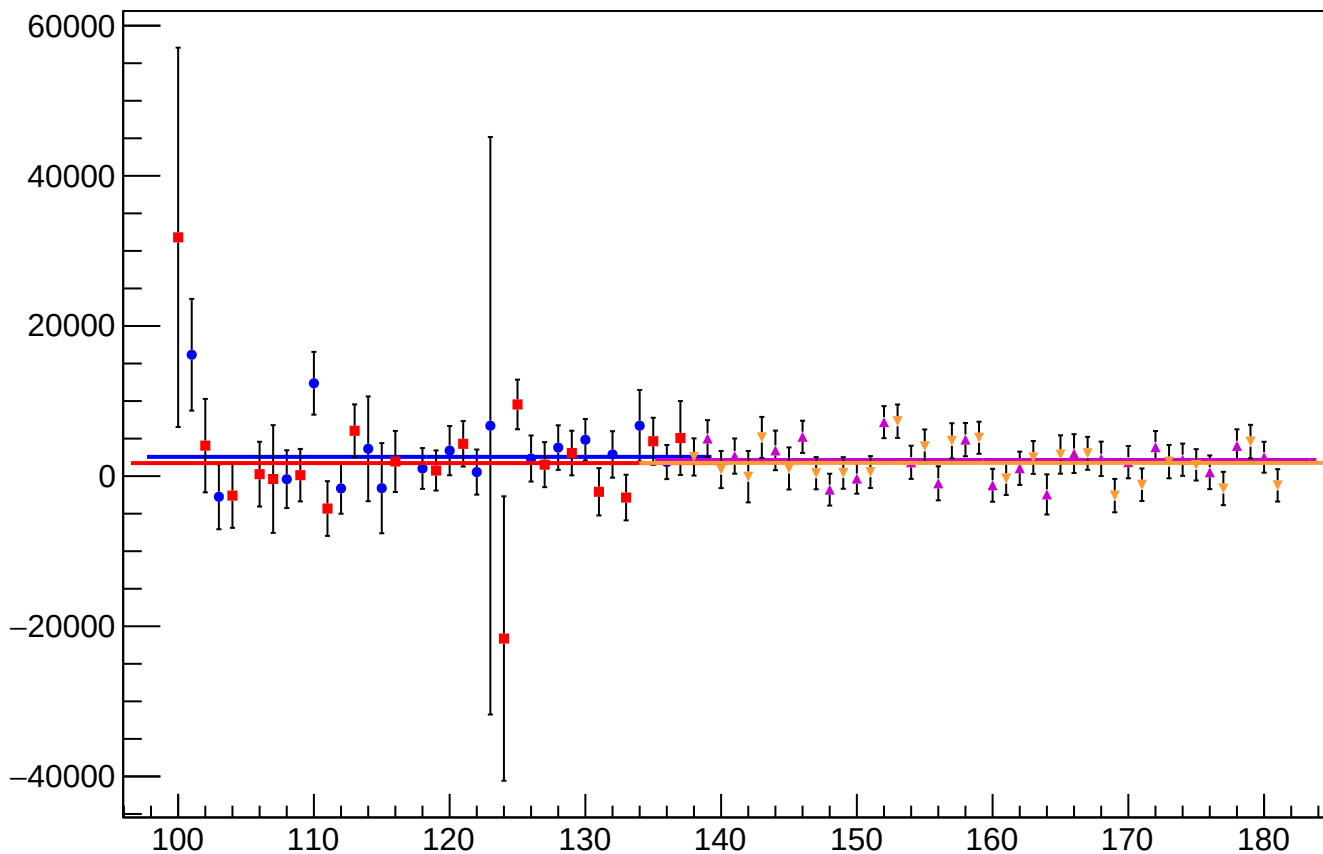
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 620.282+/-0.112 χ^2/NDF :2149151.7/20

Out: 618.437+/-0.109 χ^2/NDF :2094023.3/22

All: 619.337+/-0.078 χ^2/NDF : 4243314.9/43

asym_at1_avg_mean vs Slug, Sign Corrected



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

Left Out: 1764.527 $\pm$ 477.618 χ^2 /NDF: 27.6/22

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

Left In: 2147.996 $\pm$ 489.014 χ^2 /NDF: 25.3/20

Left: 1951.741 $\pm$ 341.685 χ^2 /NDF: 53.2/43

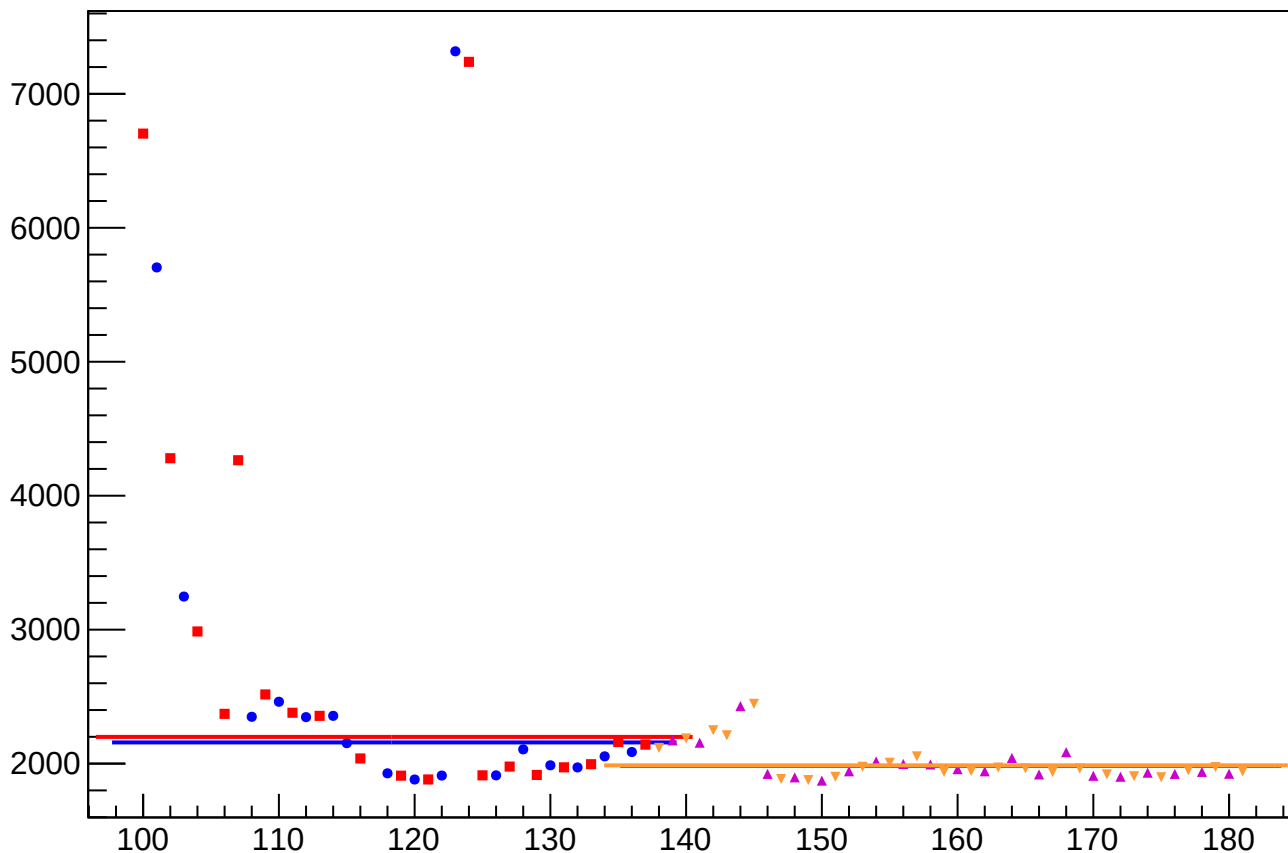
Right: 2150.830 $\pm$ 604.316 χ^2 /NDF: 36.5/35

In: 2251.028 $\pm$ 424.622 χ^2 /NDF: 41.1/37

Out: 1758.122 $\pm$ 416.758 χ^2 /NDF: 48.1/41

All: 1999.969 $\pm$ 297.434 χ^2 /NDF: 89.9/79

asym_at1_avg_rms vs Slug, Sign Corrected



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

Left Out: 1986.882 $\pm$ 0.338 χ^2 /NDF:125706.2/22

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

Left In: 1982.351 $\pm$ 0.346 χ^2 /NDF:109699.7/20

Left: 1984.670 $\pm$ 0.242 χ^2 /NDF: 235493.8/43

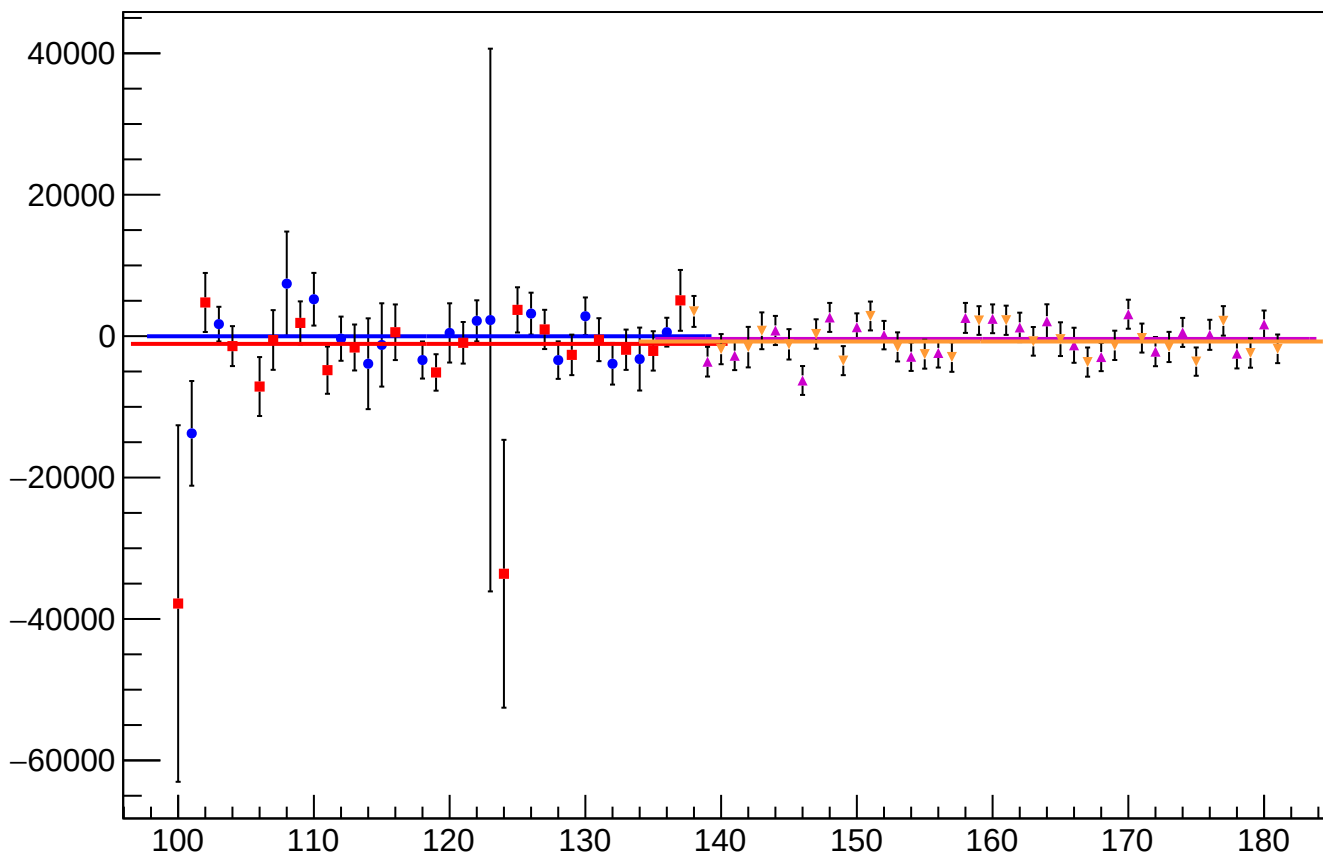
Right: 2178.816 $\pm$ 0.427 χ^2 /NDF: 1519207.5/35

In: 2025.601 $\pm$ 0.300 χ^2 /NDF:887150.1/37

Out: 2037.577 $\pm$ 0.295 χ^2 /NDF:1023159.2/41

All: 2031.701 $\pm$ 0.210 χ^2 /NDF: 1911119.7/79

dit_asym_at1_dd_mean vs Slug, Sign Corrected



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

Left Out: -757.590 ± 442.691 χ^2/NDF : 23.0/22

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

Left In: -397.436 ± 453.172 χ^2/NDF : 31.2/20

Left: -581.726 ± 316.671 χ^2/NDF : 54.5/43

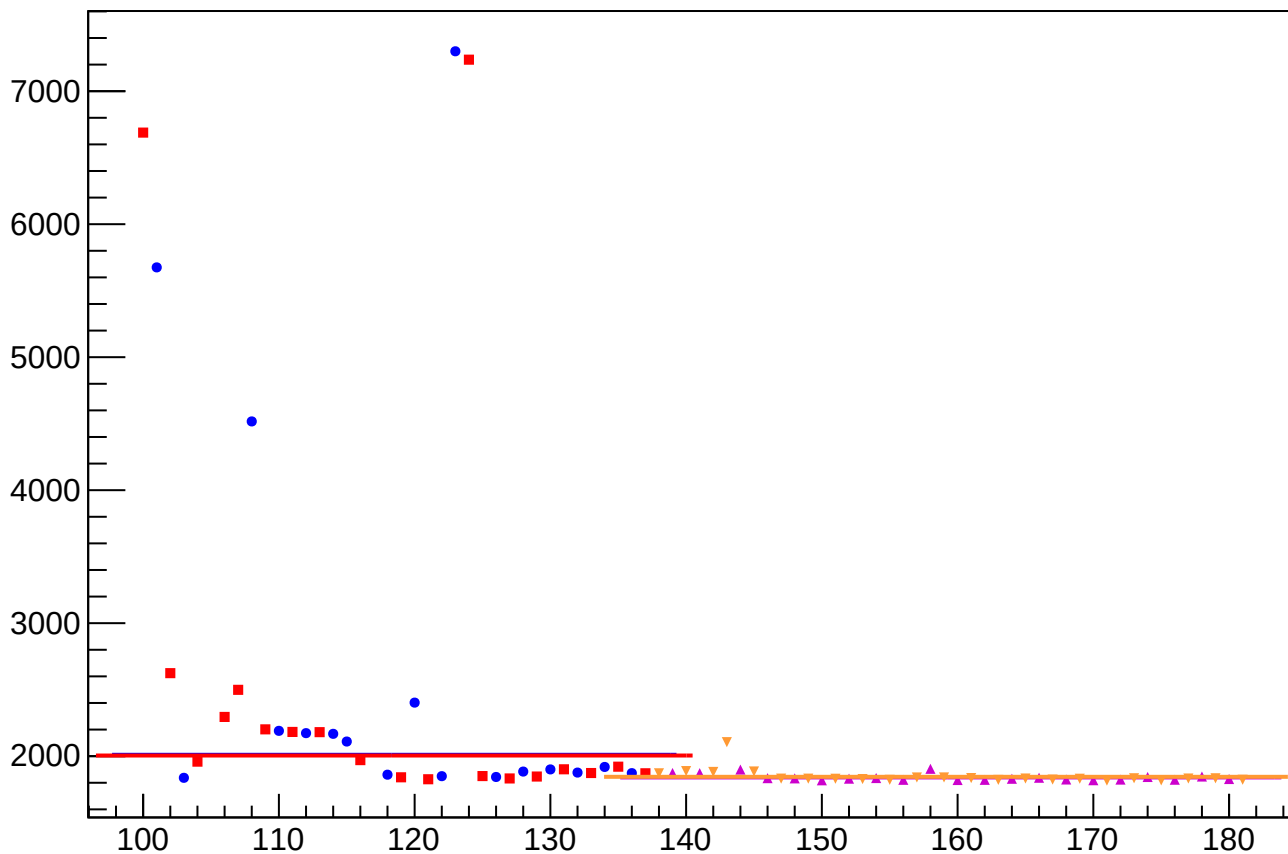
Right: -578.567 ± 555.139 χ^2/NDF : 36.2/35

In: -305.571 ± 394.472 χ^2/NDF : 47.2/37

Out: -841.564 ± 383.750 χ^2/NDF : 42.5/41

All: -580.951 ± 275.065 χ^2/NDF : 90.7/79

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2010.272 $\pm$ 0.567 χ^2 /NDF: 839746.7/16

Left Out: 1844.753 $\pm$ 0.313 χ^2 /NDF:24658.6/22

Right Out: 2004.882 $\pm$ 0.544 χ^2 /NDF: 367513.0/18

Left In: 1840.042 $\pm$ 0.320 χ^2 /NDF:6045.8/20

Left: 1842.453 $\pm$ 0.224 χ^2 /NDF: 30815.0/43

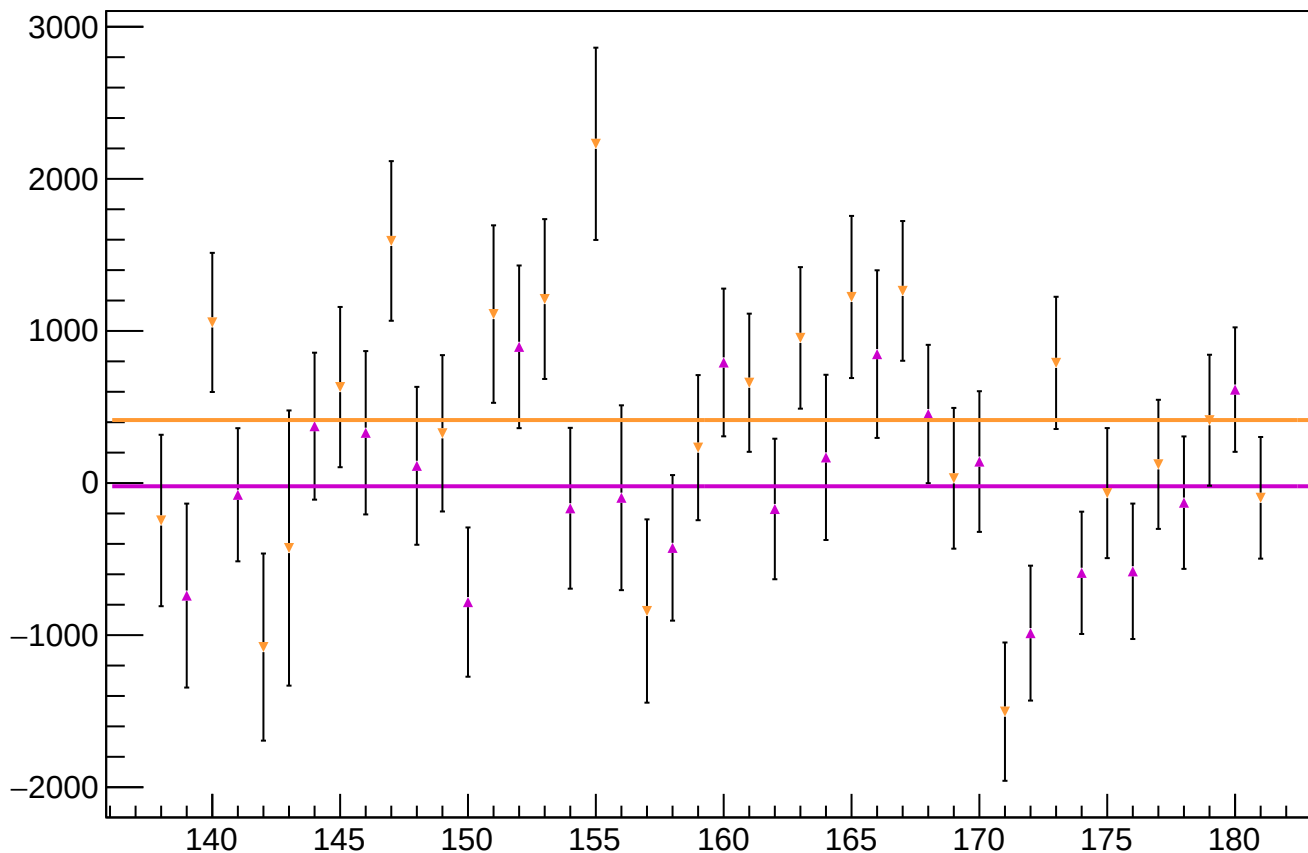
Right: 2007.469 $\pm$ 0.393 χ^2 /NDF: 1207306.7/35

In: 1881.286 $\pm$ 0.279 χ^2 /NDF:914169.1/37

Out: 1884.555 $\pm$ 0.271 χ^2 /NDF:457214.3/41

All: 1882.966 $\pm$ 0.195 χ^2 /NDF: 1371454.0/79

asym_at1_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 414.105+/-103.029 χ^2/NDF :61.7/22

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

Left In: -21.226+/-105.180 χ^2/NDF :26.3/20

Left: 200.937+/-73.601 χ^2/NDF : 96.7/43

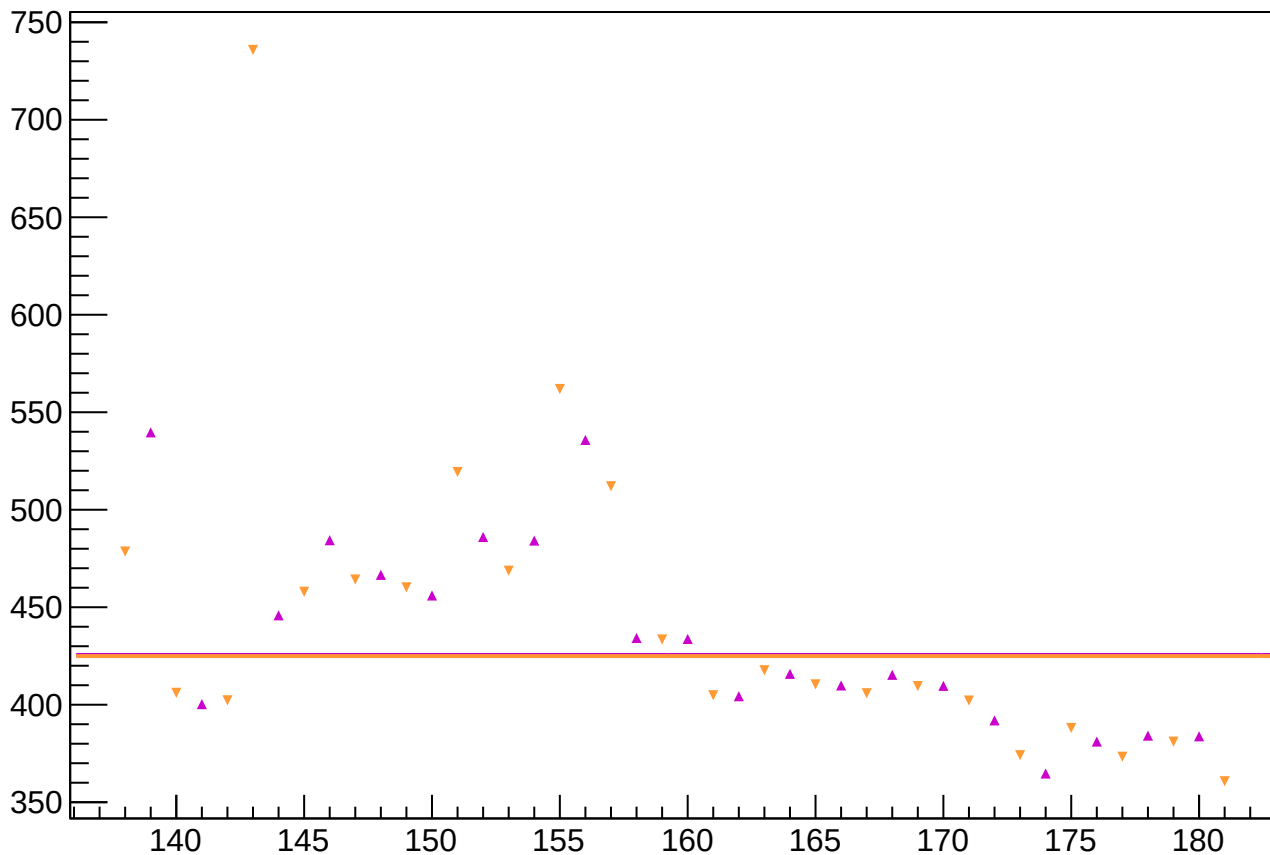
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -21.226+/-105.180 χ^2/NDF :26.3/20

Out: 414.105+/-103.029 χ^2/NDF :61.7/22

All: 200.937+/-73.601 χ^2/NDF : 96.7/43

asym_at1_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 424.946+/-0.073 χ^2/NDF : 652067.6/22

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

Left In: 425.516+/-0.074 χ^2/NDF : 368796.5/20

Left: 425.225+/-0.052 χ^2/NDF : 1020894.0/43

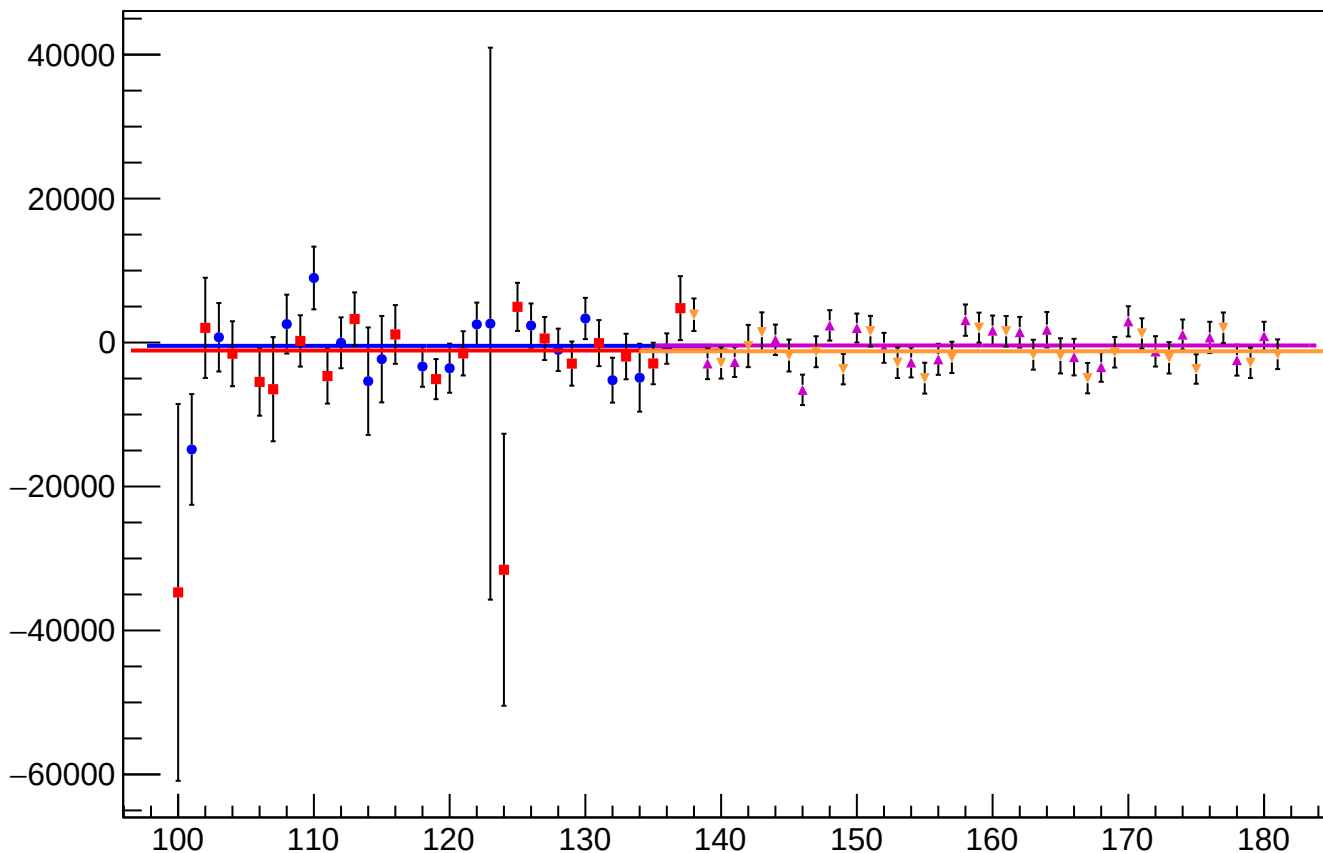
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 425.516+/-0.074 χ^2/NDF : 368796.5/20

Out: 424.946+/-0.073 χ^2/NDF : 652067.6/22

All: 425.225+/-0.052 χ^2/NDF : 1020894.0/43

asym_at1_dd_mean vs Slug, Sign Corrected



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

Left Out: -1208.404+/-455.512 χ^2/NDF :26.9/22

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

Left In: -407.293+/-465.830 χ^2/NDF :28.9/20

Left: -816.819+/-325.682 χ^2/NDF : 57.4/43

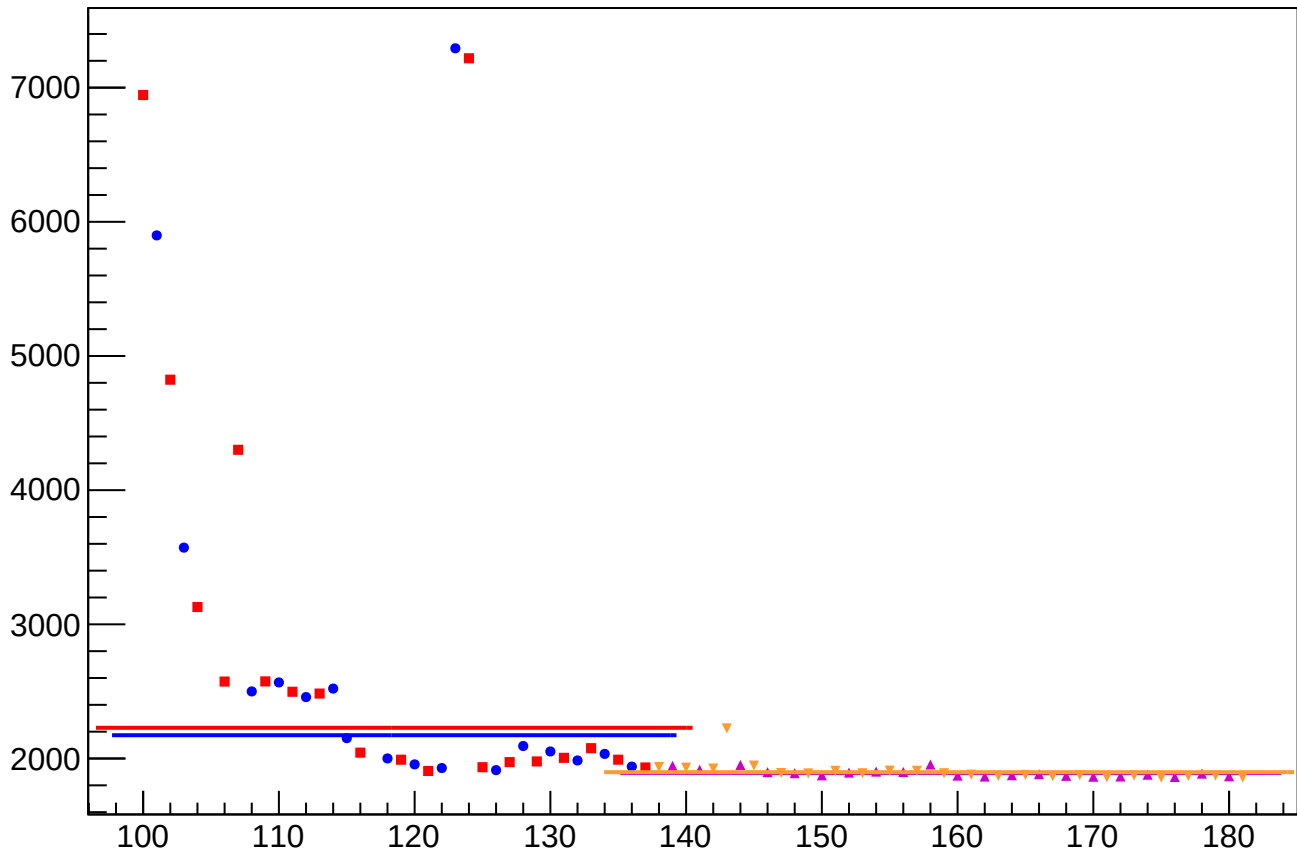
Right: -780.562+/-612.463 χ^2/NDF : 35.2/35

In: -418.760+/-410.154 χ^2/NDF :47.0/37

Out: -1185.893+/-403.261 χ^2/NDF :43.8/41

All: -808.827+/-287.555 χ^2/NDF : 92.6/79

asym_at1_dd_rms vs Slug, Sign Corrected



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

Left Out: 1898.087+/-0.322 χ^2/NDF : 35039.0/22

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

Left In: 1891.571+/-0.329 χ^2/NDF : 7225.5/20

Left: 1894.902+/-0.230 χ^2/NDF : 42464.6/43

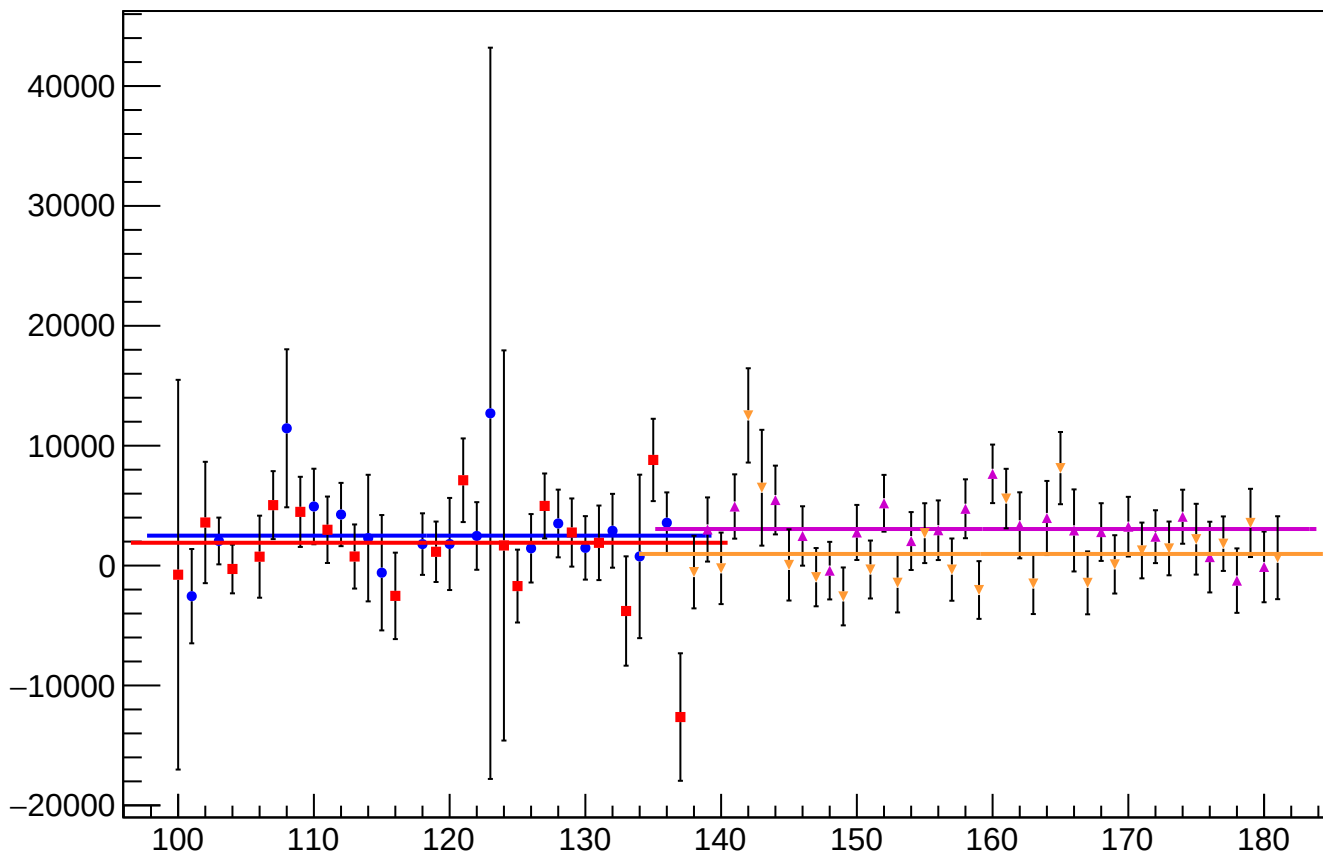
Right: 2201.146+/-0.433 χ^2/NDF : 1705309.7/35

In: 1954.942+/-0.290 χ^2/NDF : 977270.9/37

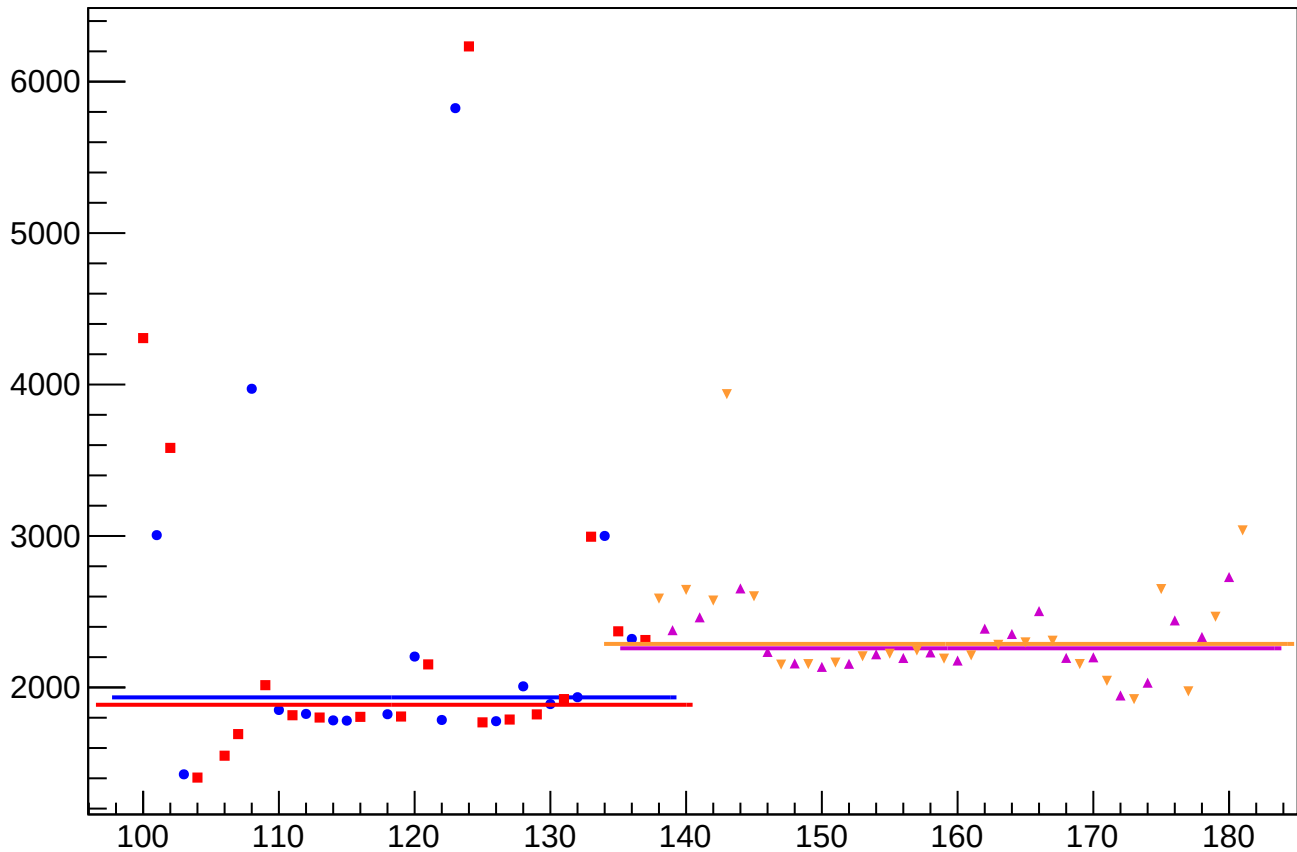
Out: 1969.627+/-0.285 χ^2/NDF : 1159015.9/41

All: 1962.409+/-0.203 χ^2/NDF : 2137590.4/79

dit_asym_at2_avg_mean vs Slug, Sign Corrected



dit_asym_at2_avg_rms vs Slug, Sign Corrected



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

Left Out: 2287.352 $\pm$ 0.393 χ^2 /NDF:592064.4/22

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

Left In: 2258.374 $\pm$ 0.395 χ^2 /NDF:210677.6/20

Left: 2272.956 $\pm$ 0.279 χ^2 /NDF: 805444.6/43

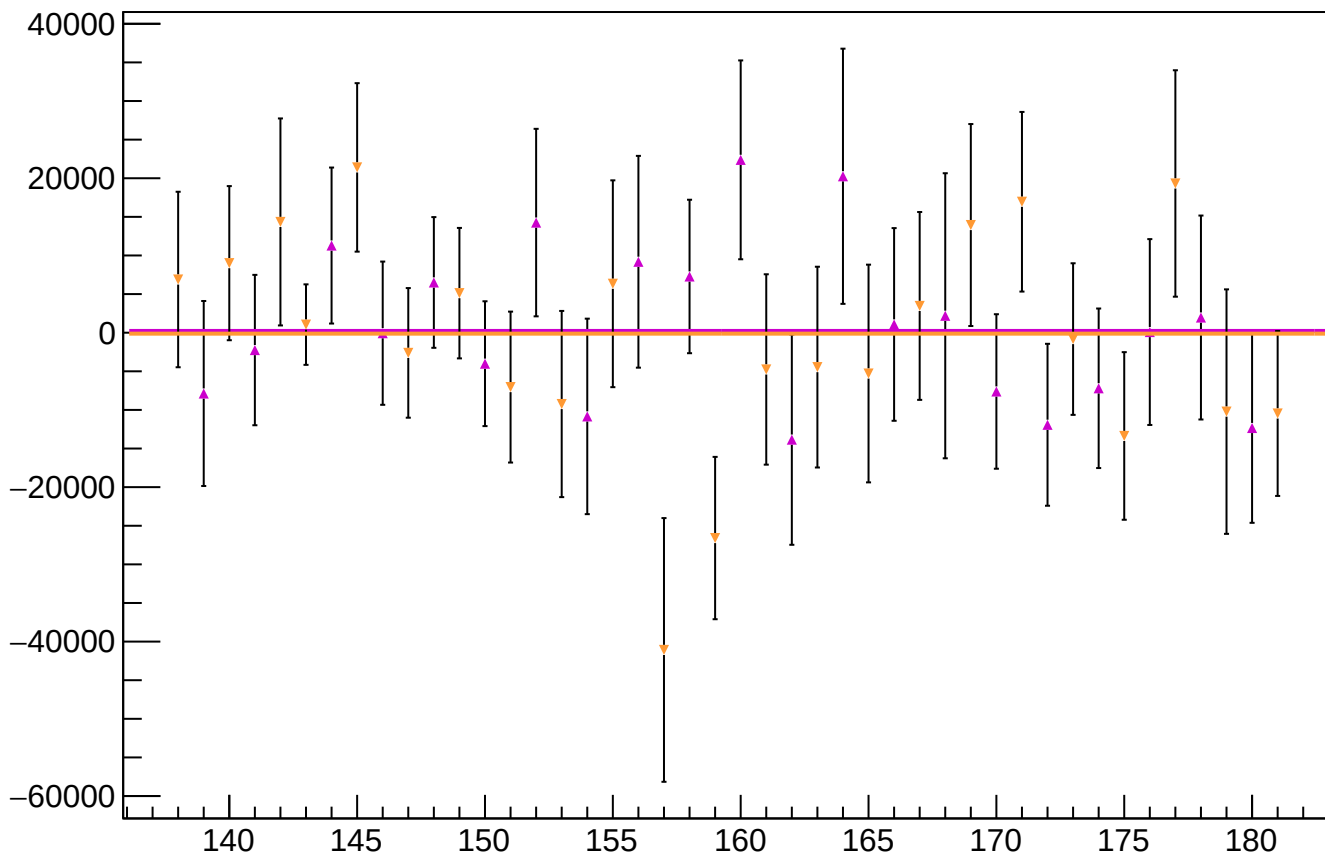
Right: 1908.949 $\pm$ 0.376 χ^2 /NDF: 1395226.1/35

In: 2146.185 $\pm$ 0.320 χ^2 /NDF:1082068.5/37

Out: 2141.655 $\pm$ 0.314 χ^2 /NDF:1723417.0/41

All: 2143.877 $\pm$ 0.224 χ^2 /NDF: 2805587.8/79

asym_at2_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -124.942+/-2203.265 χ^2/NDF :28.6/22

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

Left In: 226.455+/-2433.424 χ^2/NDF :14.6/20

Left: 33.357+/-1633.267 χ^2/NDF : 43.2/43

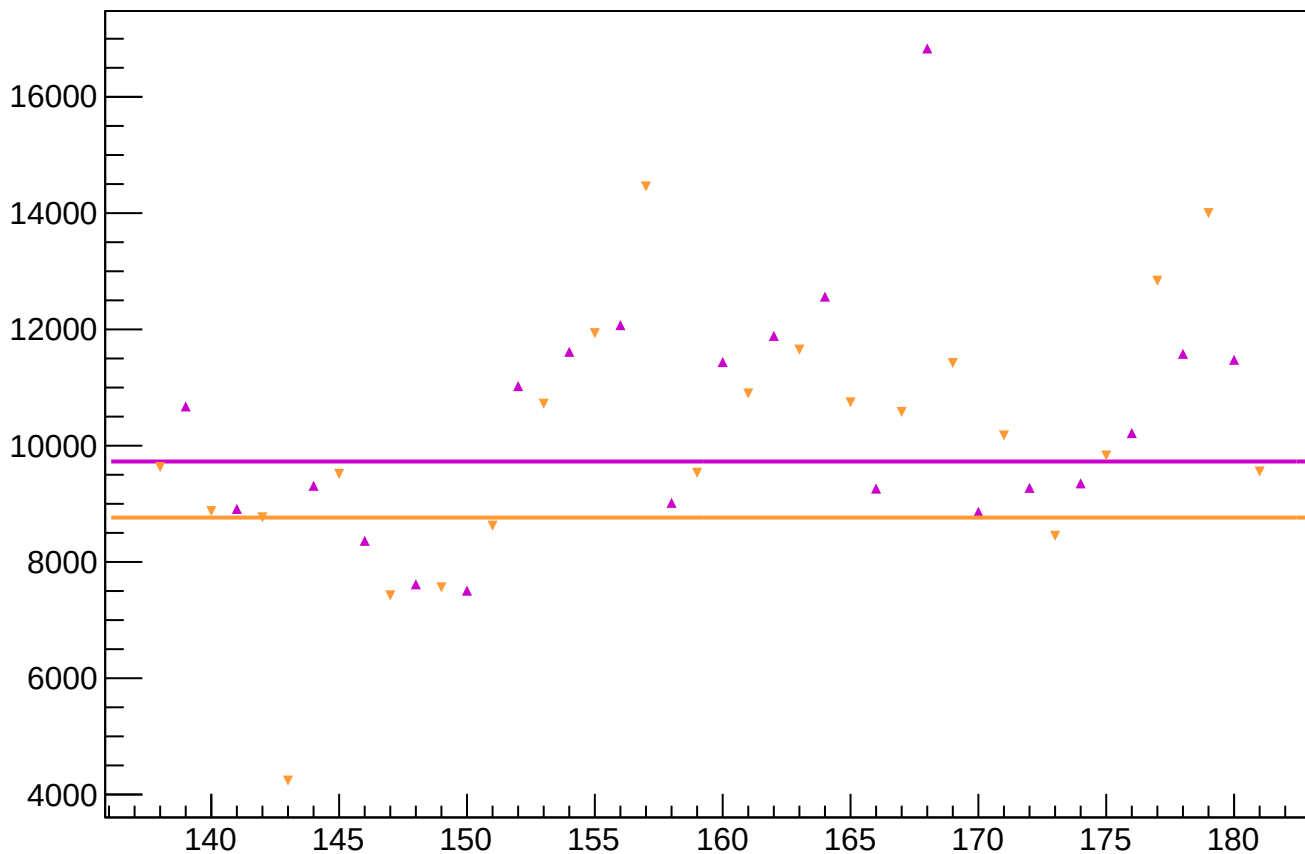
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 226.455+/-2433.424 χ^2/NDF :14.6/20

Out: -124.942+/-2203.265 χ^2/NDF :28.6/22

All: 33.357+/-1633.267 χ^2/NDF : 43.2/43

asym_at2_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 8763.356+/-1.558 χ^2/NDF :2778438.6/22

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

Left In: 9727.982+/-1.721 χ^2/NDF :1033191.7/20

Left: 9197.904+/-1.155 χ^2/NDF : 3984330.5/43

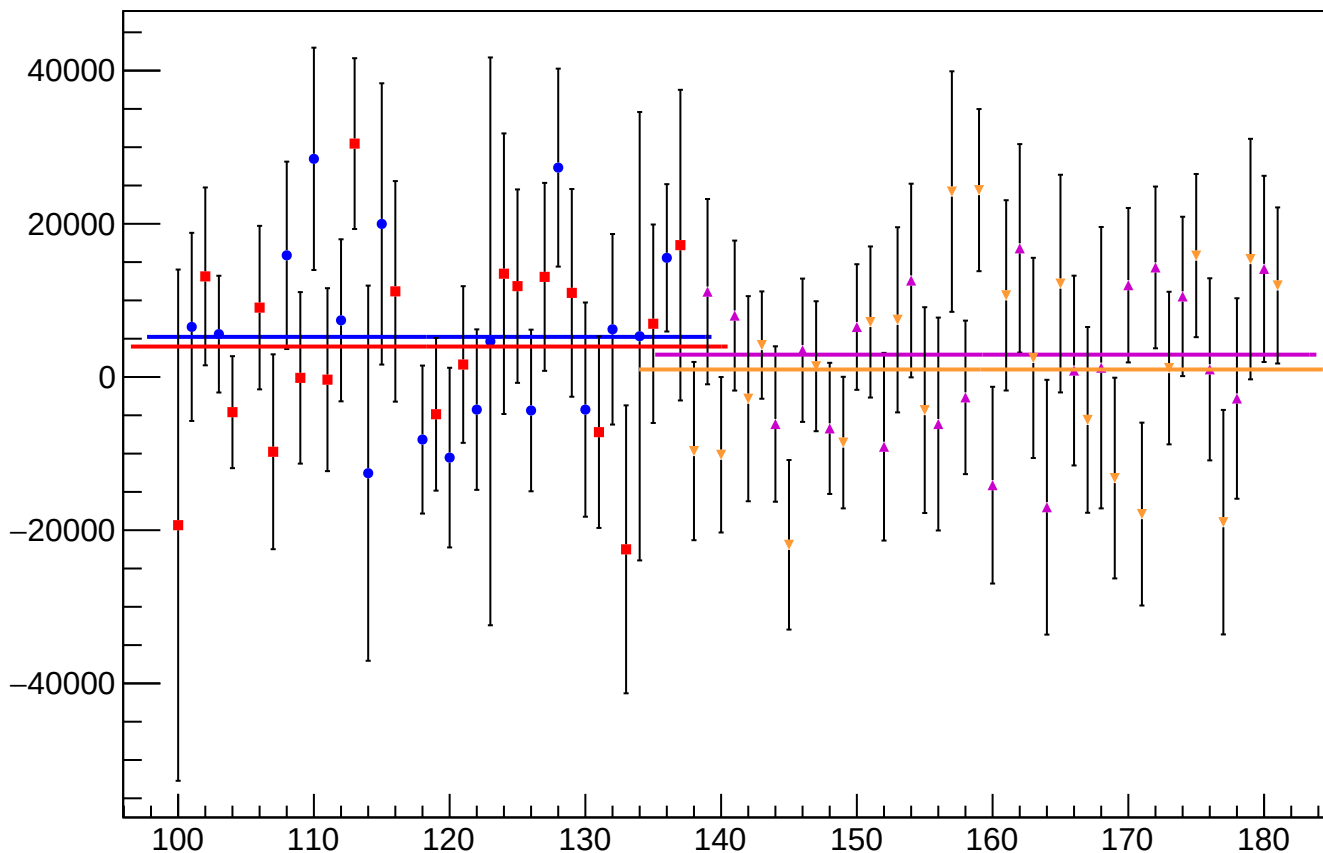
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 9727.982+/-1.721 χ^2/NDF :1033191.7/20

Out: 8763.356+/-1.558 χ^2/NDF :2778438.6/22

All: 9197.904+/-1.155 χ^2/NDF : 3984330.5/43

asym_at2_avg_mean vs Slug, Sign Corrected



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

Left Out: 982.717 $\pm$ 2303.306 χ^2 /NDF:26.8/22

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

Left In: 2917.164 $\pm$ 2444.965 χ^2 /NDF:13.1/20

Left: 1892.280 $\pm$ 1676.527 χ^2 /NDF: 40.2/43

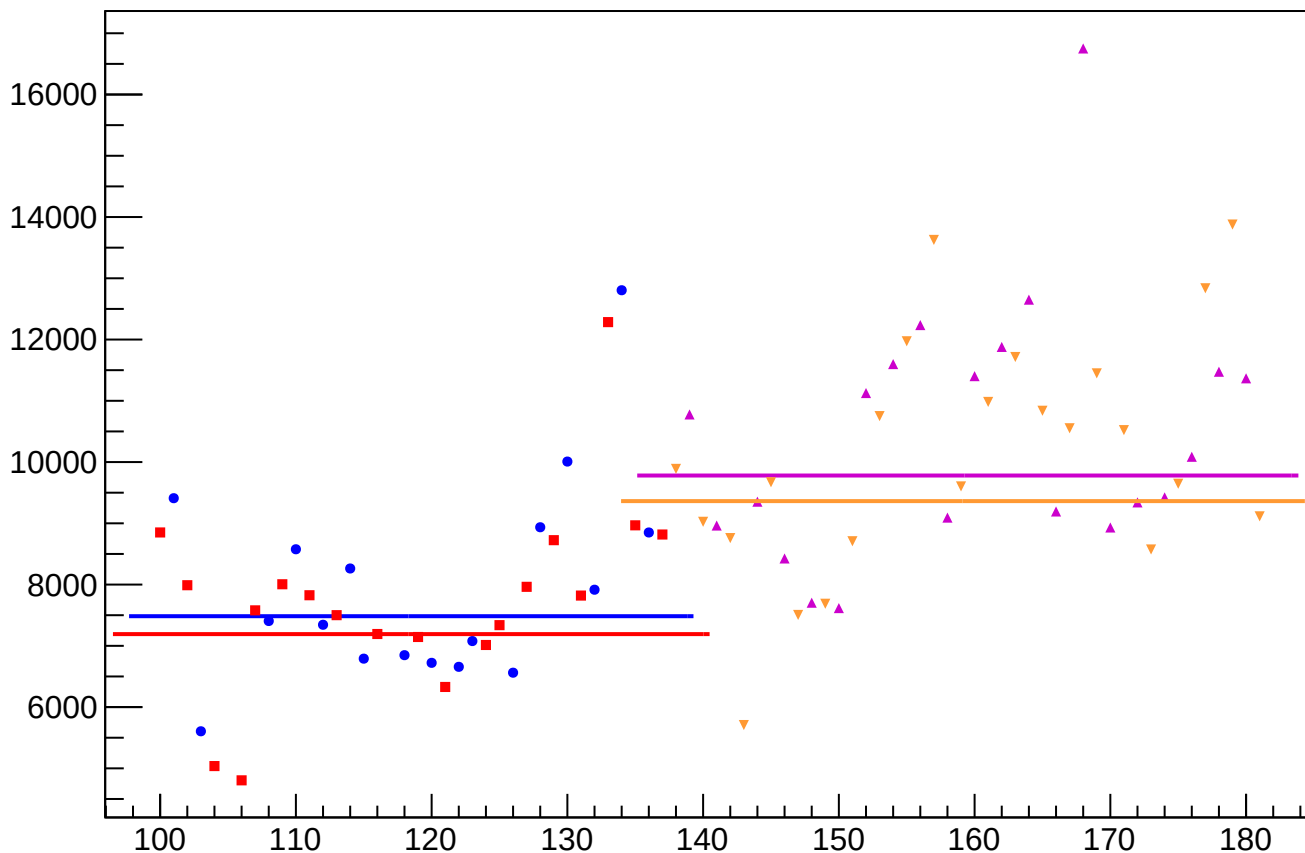
Right: 4573.057 $\pm$ 2025.948 χ^2 /NDF: 30.2/35

In: 3863.895 $\pm$ 1881.465 χ^2 /NDF:28.0/37

Out: 2195.729 $\pm$ 1776.331 χ^2 /NDF:43.1/41

All: 2981.904 $\pm$ 1291.624 χ^2 /NDF: 71.5/79

asym_at2_avg_rms vs Slug, Sign Corrected



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

Left Out: 9362.458+/-1.629 χ^2/NDF :1489746.9/22

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

Left In: 9780.342+/-1.729 χ^2/NDF :987972.3/20

Left: 9558.944+/-1.185 χ^2/NDF : 2508673.0/43

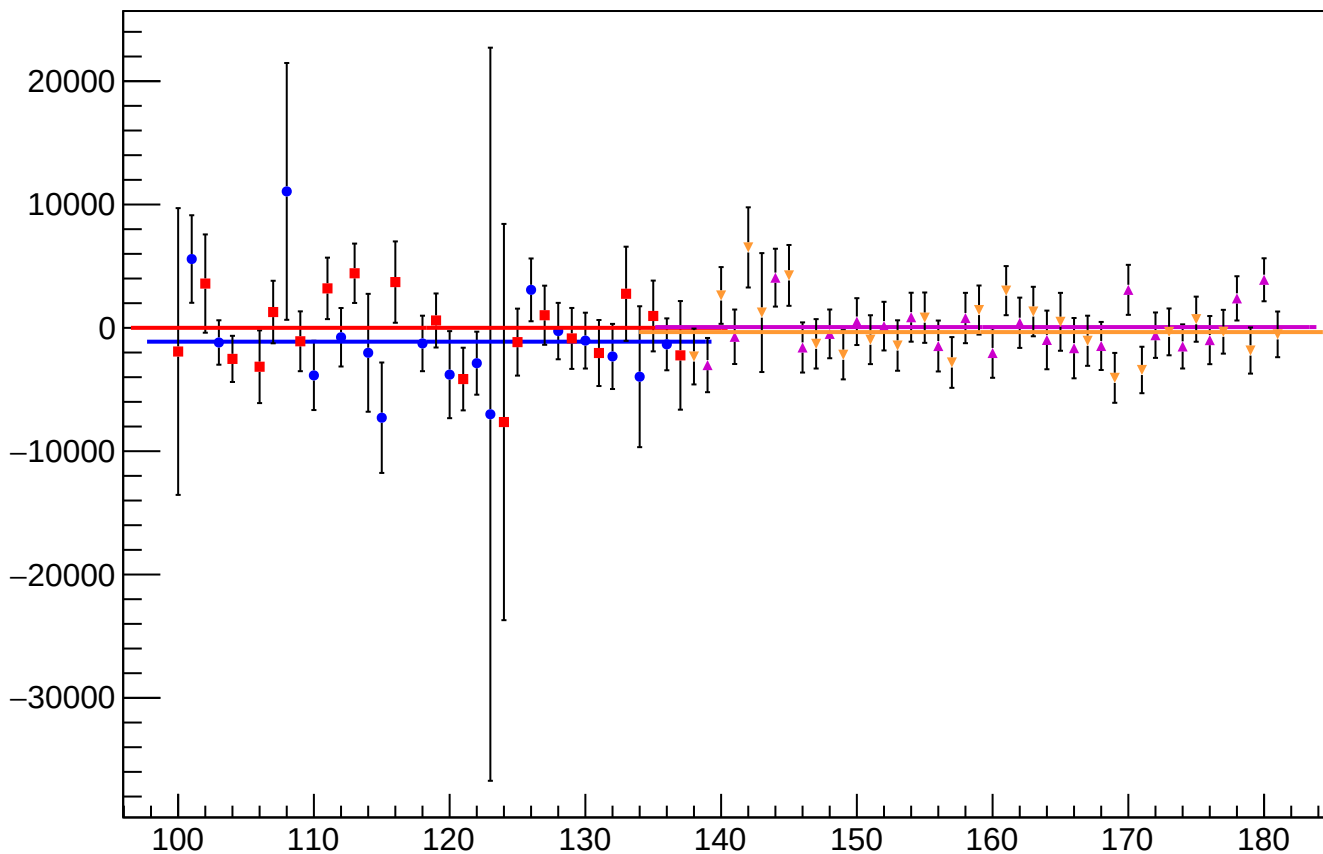
Right: 7329.673+/-1.432 χ^2/NDF : 1000940.7/35

In: 8843.711+/-1.330 χ^2/NDF :2139443.5/37

Out: 8482.553+/-1.256 χ^2/NDF :2768651.1/41

All: 8652.752+/-0.913 χ^2/NDF : 4947060.2/79

dit_asym_at2_dd_mean vs Slug, Sign Corrected



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

Left Out: -343.034 ± 433.120 $\chi^2/\text{NDF}: 25.3/22$

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

Left In: 63.703 ± 438.393 $\chi^2/\text{NDF}: 19.0/20$

Left: -142.127 ± 308.110 $\chi^2/\text{NDF}: 44.7/43$

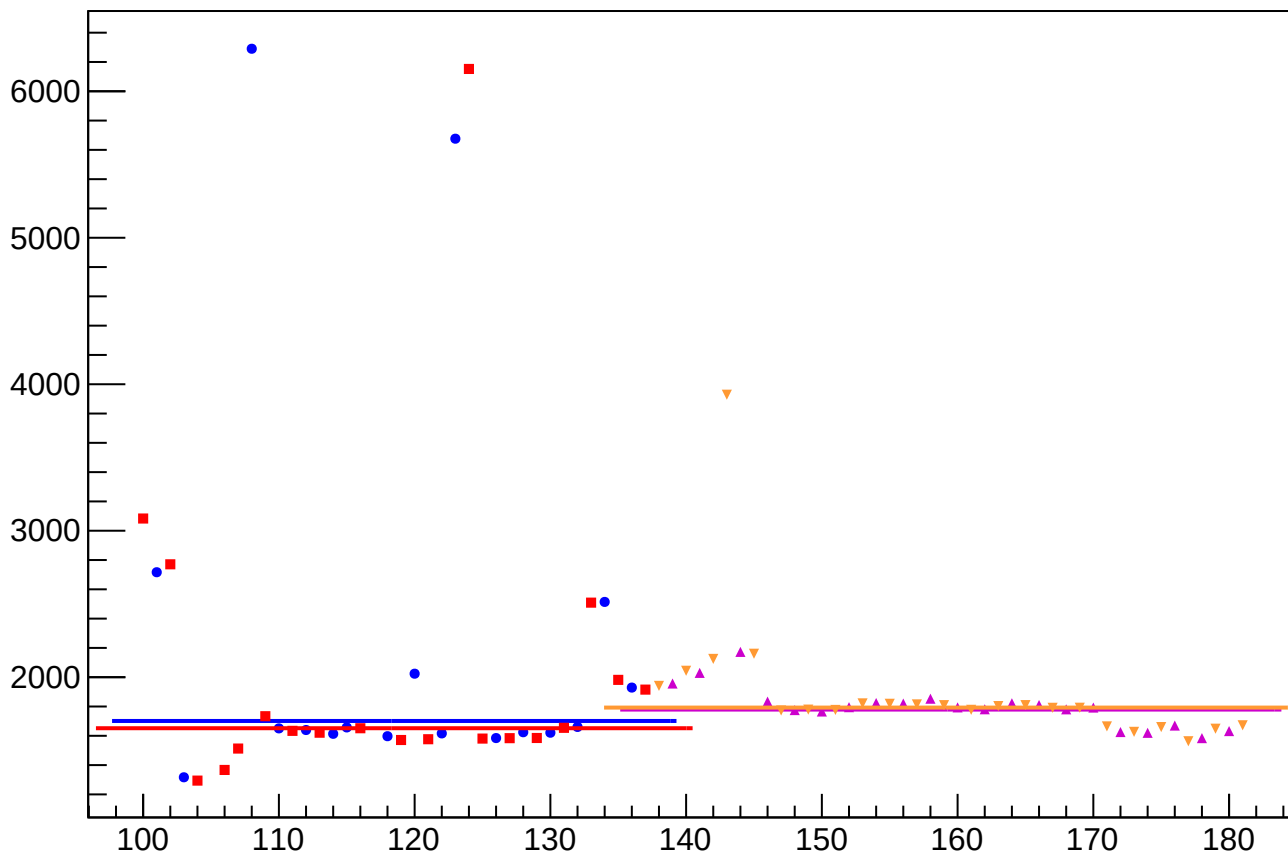
Right: -525.400 ± 465.654 $\chi^2/\text{NDF}: 29.2/35$

In: -284.587 ± 368.325 $\chi^2/\text{NDF}: 33.4/37$

Out: -234.414 ± 358.643 $\chi^2/\text{NDF}: 41.0/41$

All: -258.833 ± 256.954 $\chi^2/\text{NDF}: 74.4/79$

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1701.283 ± 0.480 $\chi^2/\text{NDF}: 778718.7/16$

Left Out: 1792.632 ± 0.306 $\chi^2/\text{NDF}: 581184.6/22$

Right Out: 1651.734 ± 0.452 $\chi^2/\text{NDF}: 588842.2/18$

Left In: 1779.060 ± 0.310 $\chi^2/\text{NDF}: 176208.1/20$

Left: 1785.928 ± 0.218 $\chi^2/\text{NDF}: 758362.7/43$

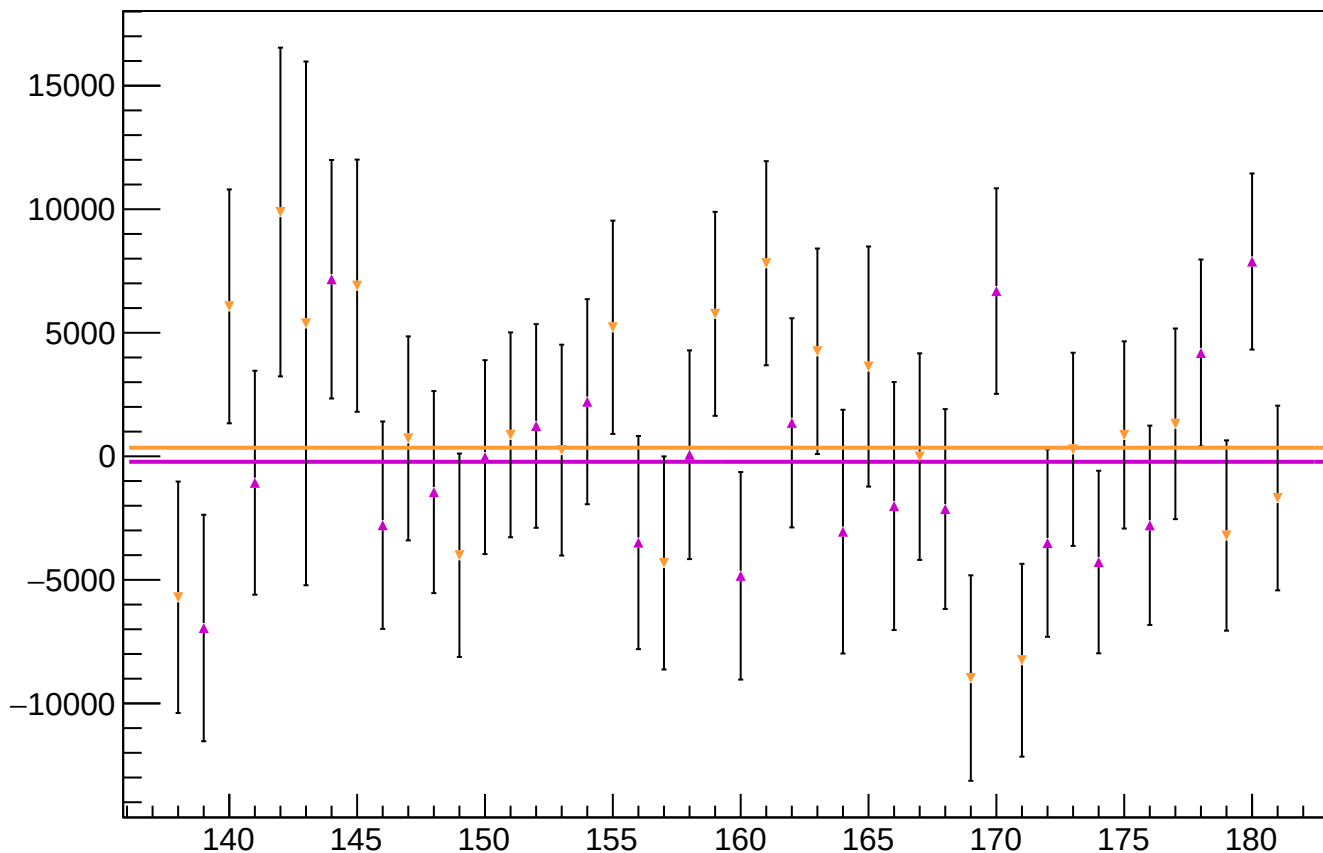
Right: 1675.026 ± 0.329 $\chi^2/\text{NDF}: 1373201.9/35$

In: 1756.184 ± 0.260 $\chi^2/\text{NDF}: 973442.0/37$

Out: 1748.341 ± 0.254 $\chi^2/\text{NDF}: 1236557.7/41$

All: 1752.159 ± 0.182 $\chi^2/\text{NDF}: 2210465.1/79$

asym_at2_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 347.918+/-898.769 χ^2/NDF :28.1/22

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

Left In: -221.359+/-908.140 χ^2/NDF :19.7/20

Left: 66.232+/-638.813 χ^2/NDF : 48.0/43

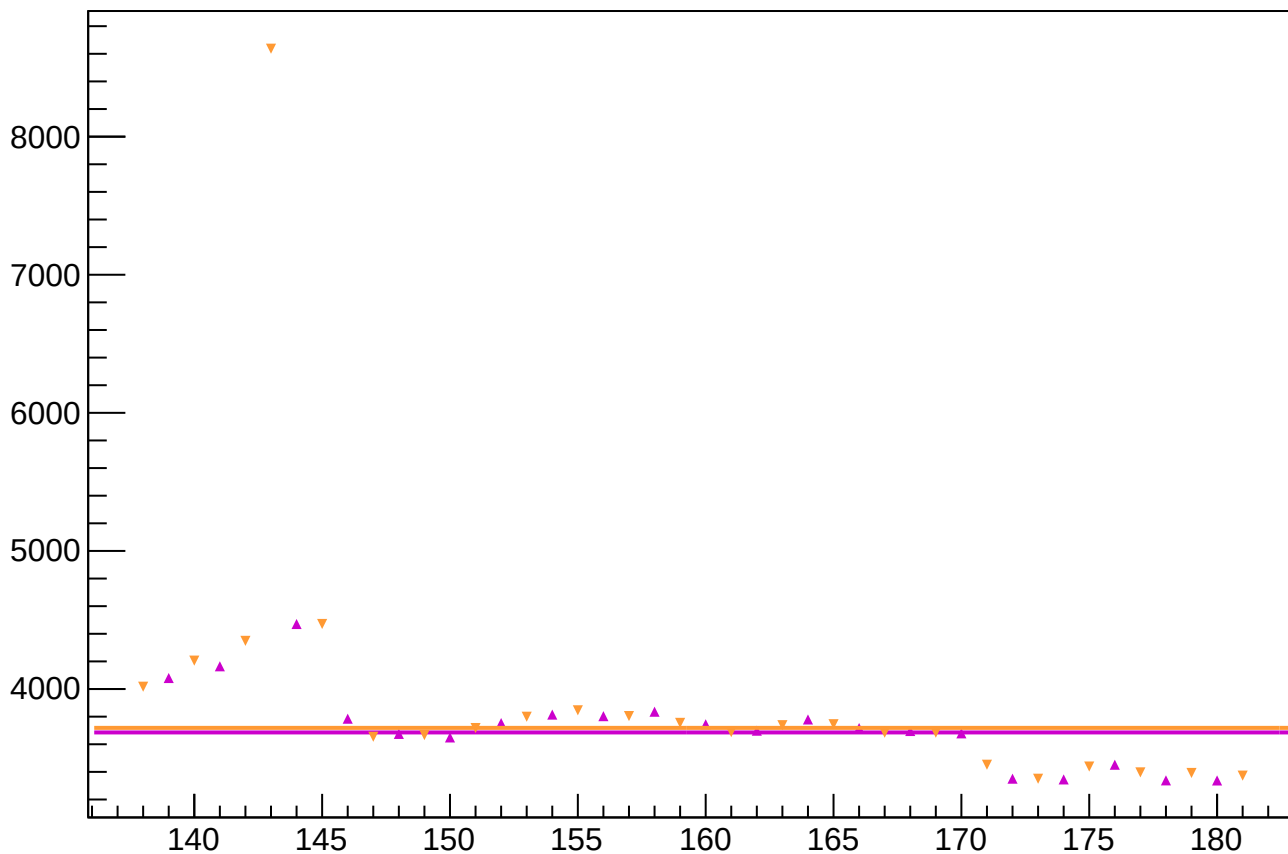
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -221.359+/-908.140 χ^2/NDF :19.7/20

Out: 347.918+/-898.769 χ^2/NDF :28.1/22

All: 66.232+/-638.813 χ^2/NDF : 48.0/43

asym_at2_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 3718.760+/-0.636 χ^2/NDF :609586.7/22

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

Left In: 3685.648+/-0.642 χ^2/NDF :174258.4/20

Left: 3702.375+/-0.452 χ^2/NDF : 785188.2/43

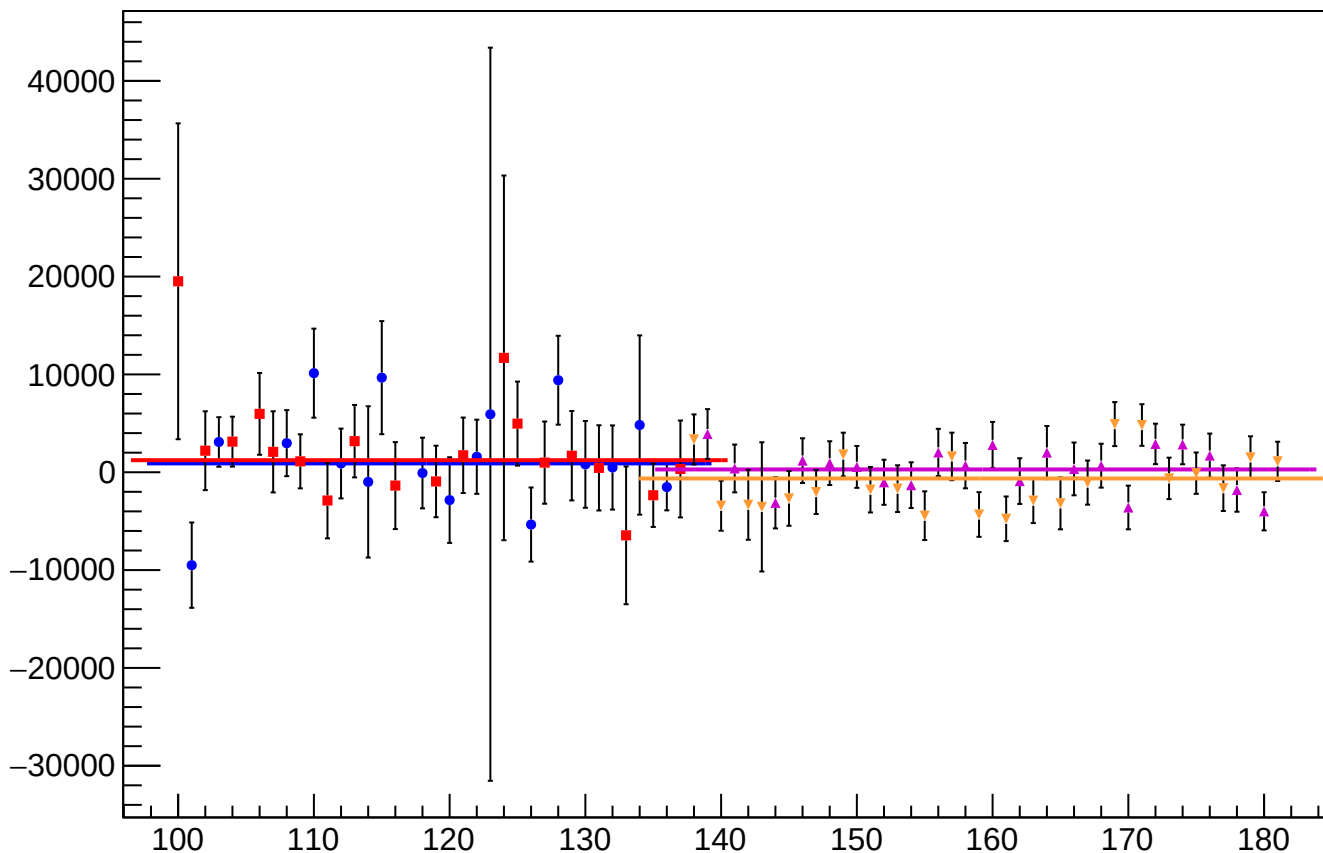
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 3685.648+/-0.642 χ^2/NDF :174258.4/20

Out: 3718.760+/-0.636 χ^2/NDF :609586.7/22

All: 3702.375+/-0.452 χ^2/NDF : 785188.2/43

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 903.274+/-961.918 χ^2/NDF : 21.6/16

Left Out: -635.881+/-496.894 χ^2/NDF : 32.6/22

Right Out: 1231.015+/-925.029 χ^2/NDF : 8.9/18

Left In: 286.364+/-500.880 χ^2/NDF : 19.5/20

Left: -178.443+/-352.758 χ^2/NDF : 53.8/43

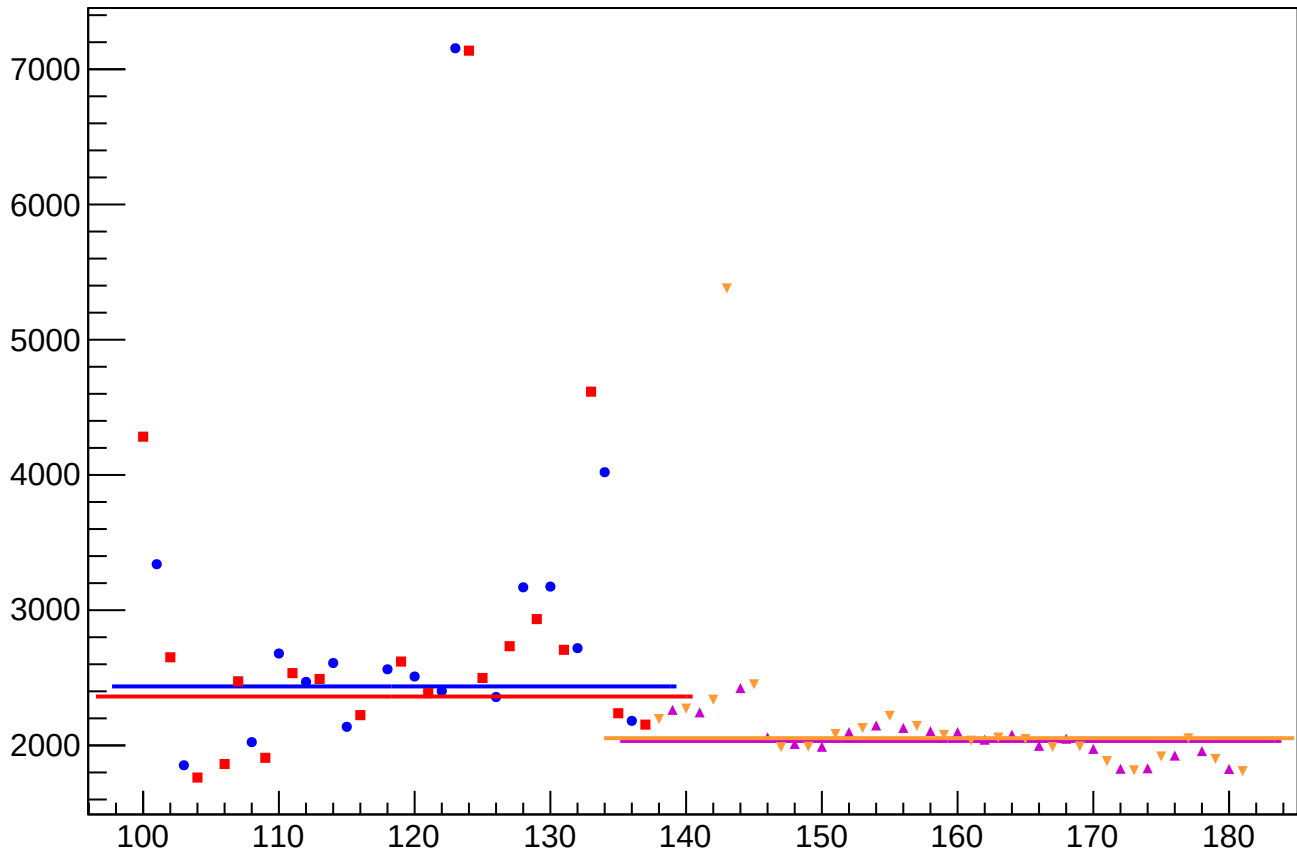
Right: 1073.549+/-666.754 χ^2/NDF : 30.6/35

In: 417.953+/-444.260 χ^2/NDF : 41.4/37

Out: -217.823+/-437.737 χ^2/NDF : 44.7/41

All: 95.363+/-311.808 χ^2/NDF : 87.1/79

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2436.256 $\pm$ 0.680 χ^2/NDF : 468552.3/16

Left Out: 2053.681 $\pm$ 0.351 χ^2/NDF : 687807.6/22

Right Out: 2361.558 $\pm$ 0.654 χ^2/NDF : 655845.9/18

Left In: 2033.170 $\pm$ 0.354 χ^2/NDF : 161967.0/20

Left: 2043.507 $\pm$ 0.249 χ^2/NDF : 851464.8/43

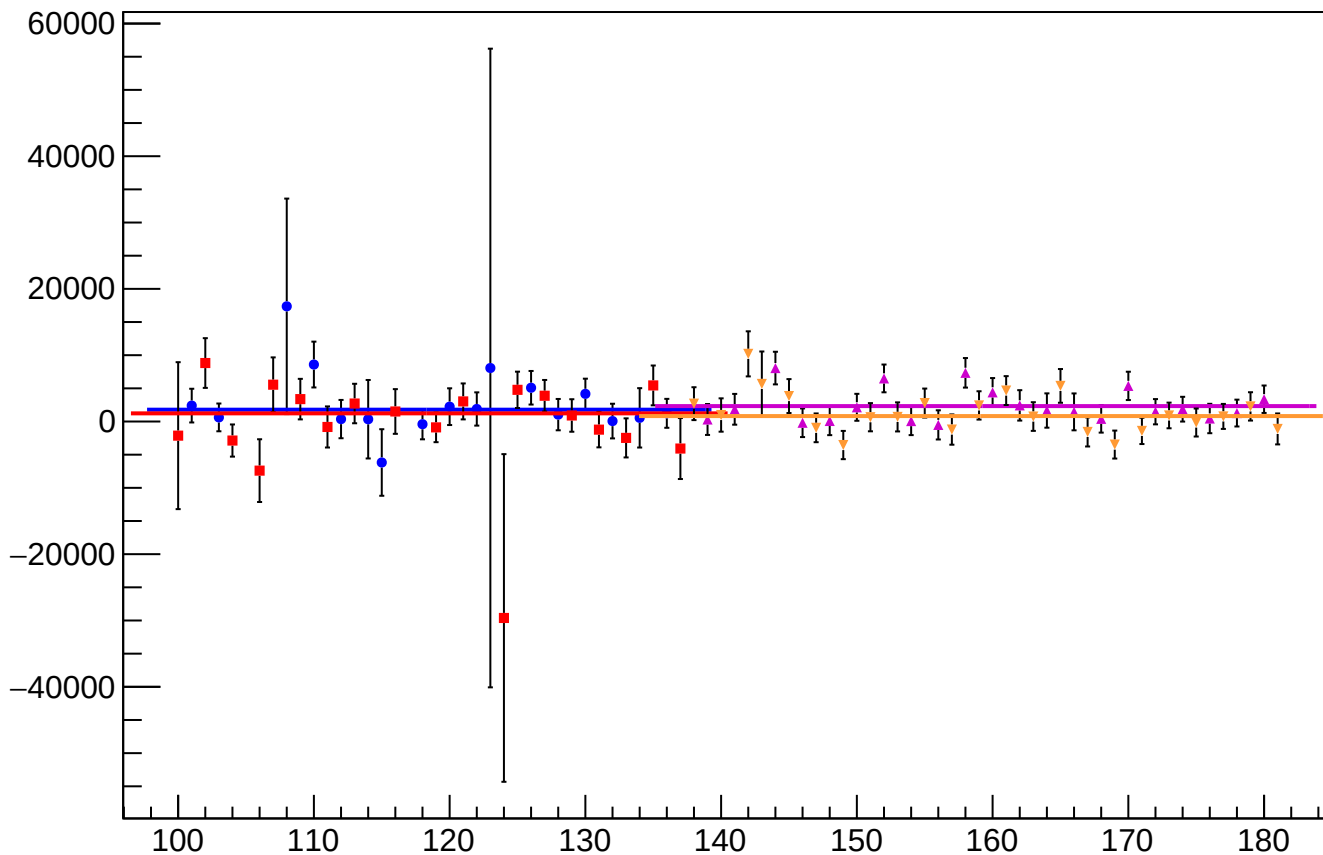
Right: 2397.448 $\pm$ 0.471 χ^2/NDF : 1130664.2/35

In: 2119.151 $\pm$ 0.314 χ^2/NDF : 906804.8/37

Out: 2122.625 $\pm$ 0.310 χ^2/NDF : 1515594.0/41

All: 2120.913 $\pm$ 0.220 χ^2/NDF : 2422460.9/79

dit_asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: 820.659 $\pm$ 469.814 χ^2 /NDF:31.9/22

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

Left In: 2325.193 $\pm$ 474.006 χ^2 /NDF:26.0/20

Left: 1566.244 $\pm$ 333.681 χ^2 /NDF: 63.0/43

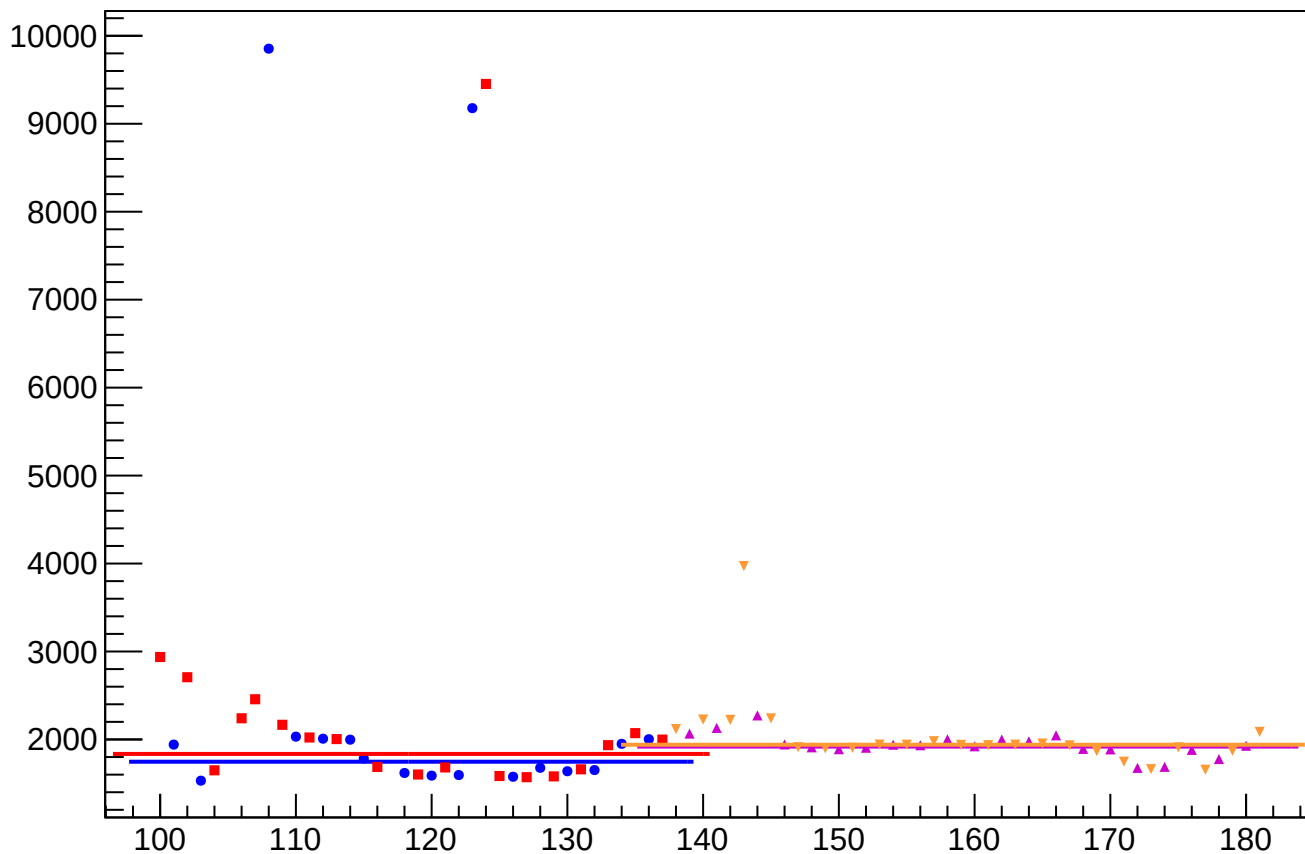
Right: 1511.828 $\pm$ 495.804 χ^2 /NDF: 37.0/35

In: 2153.017 $\pm$ 391.493 χ^2 /NDF:38.8/37

Out: 945.551 $\pm$ 391.490 χ^2 /NDF:56.4/41

All: 1549.280 $\pm$ 276.826 χ^2 /NDF: 100.0/79

dit_asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 1940.042+/-0.332 χ^2/NDF : 543546.7/22

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

Left In: 1918.837+/-0.335 χ^2/NDF : 151849.8/20

Left: 1929.534+/-0.236 χ^2/NDF : 697415.6/43

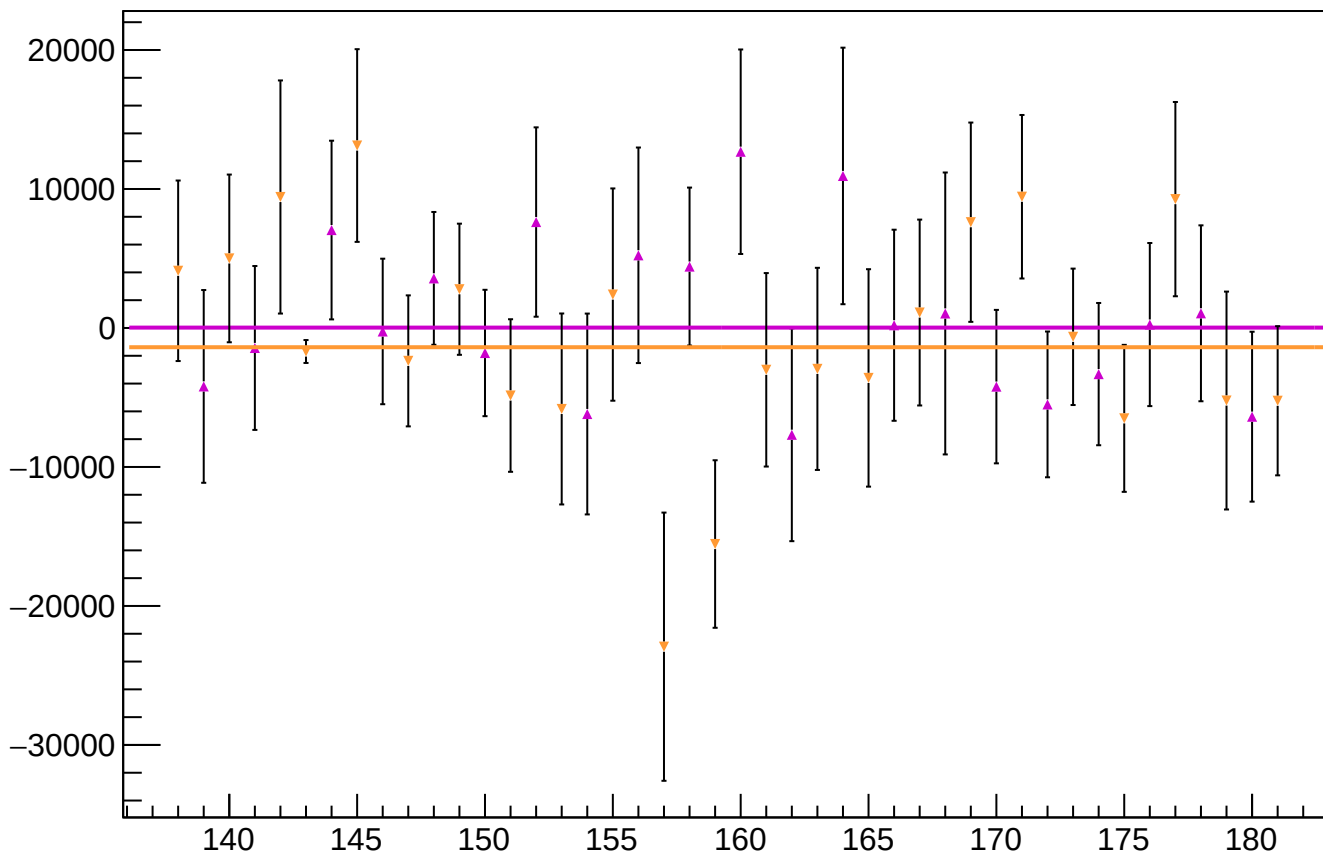
Right: 1790.310+/-0.350 χ^2/NDF : 1248859.1/35

In: 1864.166+/-0.277 χ^2/NDF : 918038.3/37

Out: 1908.011+/-0.277 χ^2/NDF : 1124316.6/41

All: 1886.097+/-0.196 χ^2/NDF : 2054902.1/79

asym_atl_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1384.347+/-701.339 χ^2/NDF :29.7/22

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

Left In: 26.758+/-1339.822 χ^2/NDF :14.0/20

Left: -1080.853+/-621.358 χ^2/NDF : 44.6/43

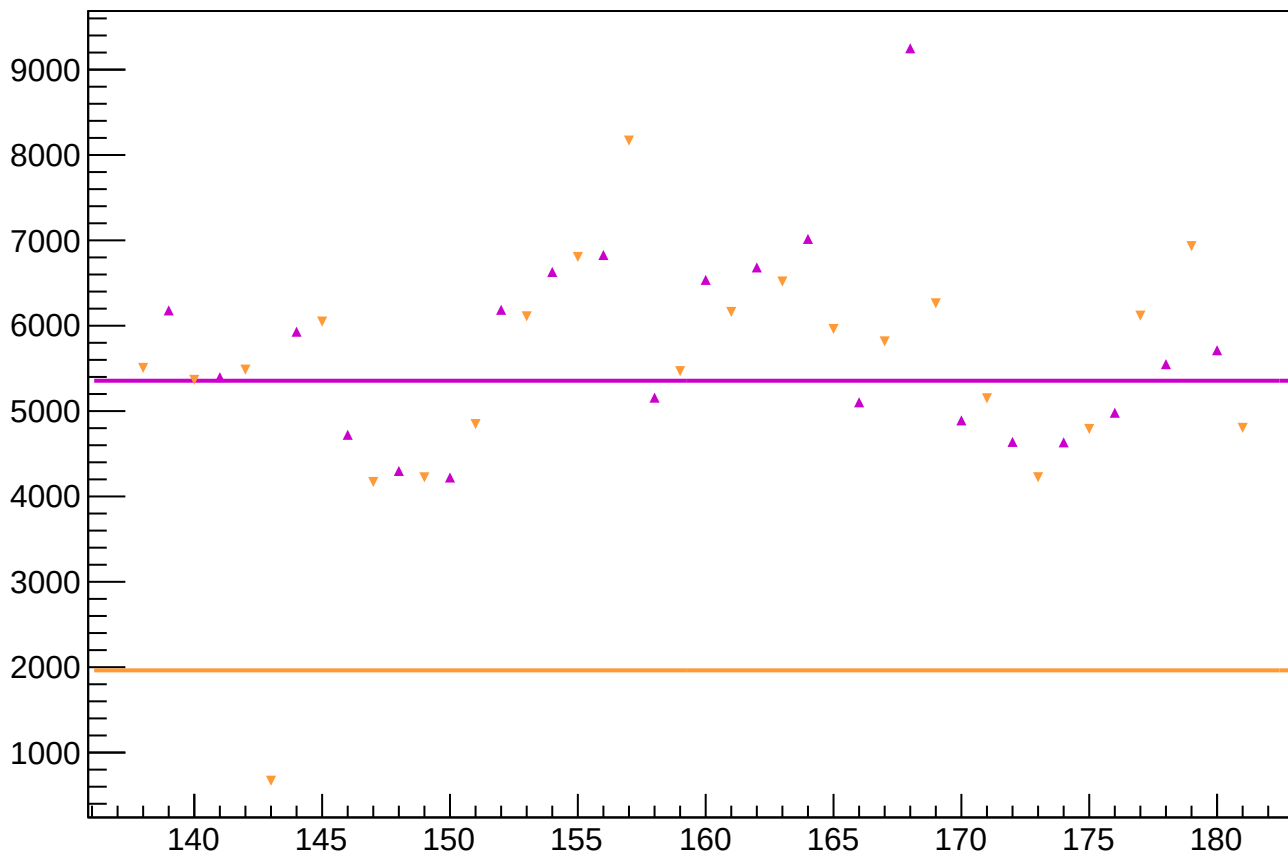
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 26.758+/-1339.822 χ^2/NDF :14.0/20

Out: -1384.347+/-701.339 χ^2/NDF :29.7/22

All: -1080.853+/-621.358 χ^2/NDF : 44.6/43

asym_atl_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1962.829+/-0.496 χ^2/NDF :18761112.7/22

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

Left In: 5355.508+/-0.947 χ^2/NDF :1044510.6/20

Left: 2692.510+/-0.439 χ^2/NDF : 29871447.9/43

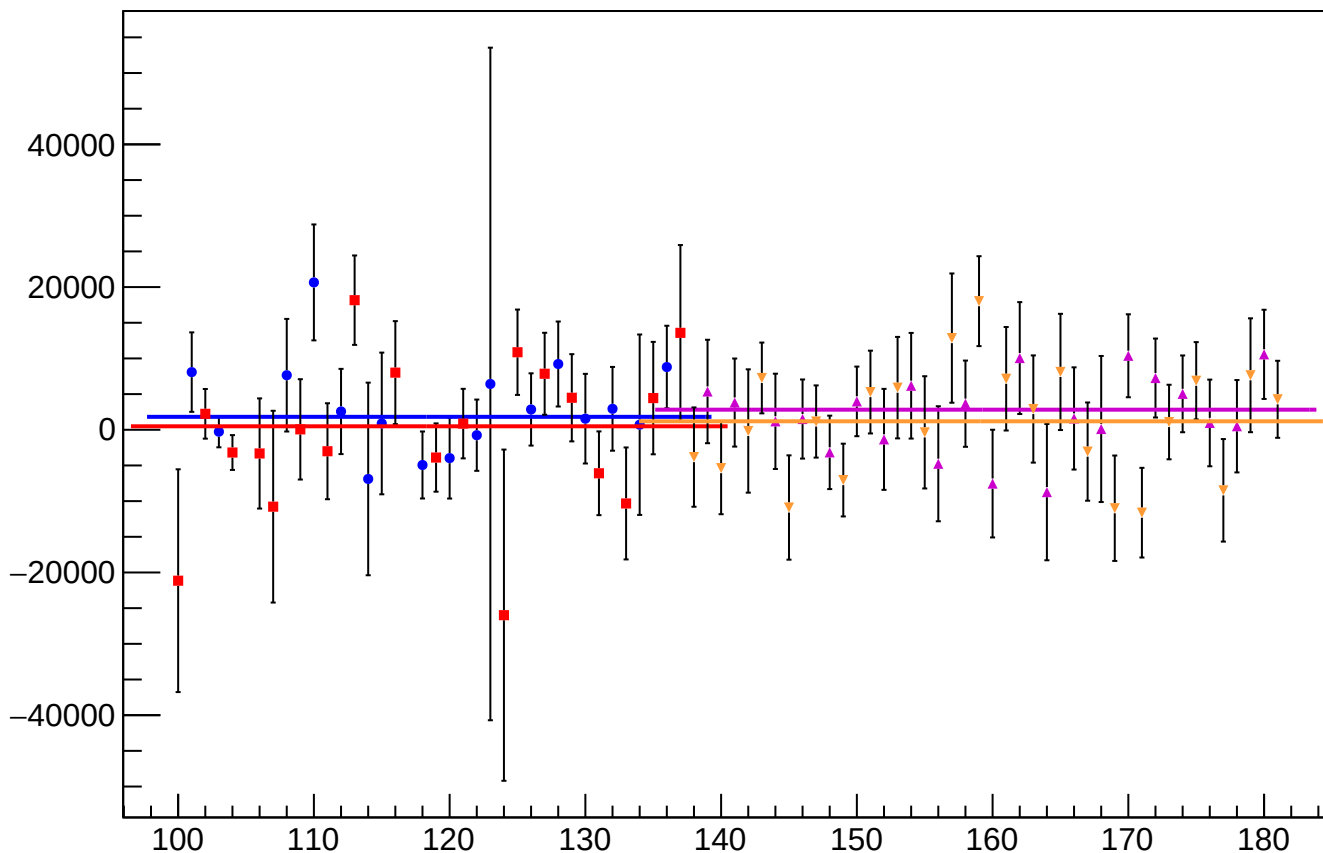
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 5355.508+/-0.947 χ^2/NDF :1044510.6/20

Out: 1962.829+/-0.496 χ^2/NDF :18761112.7/22

All: 2692.510+/-0.439 χ^2/NDF : 29871447.9/43

asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: 1190.082+/-1342.830 χ^2/NDF : 30.8/22

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

Left In: 2816.682+/-1402.708 χ^2/NDF : 11.7/20

Left: 1967.924+/-970.002 χ^2/NDF : 43.2/43

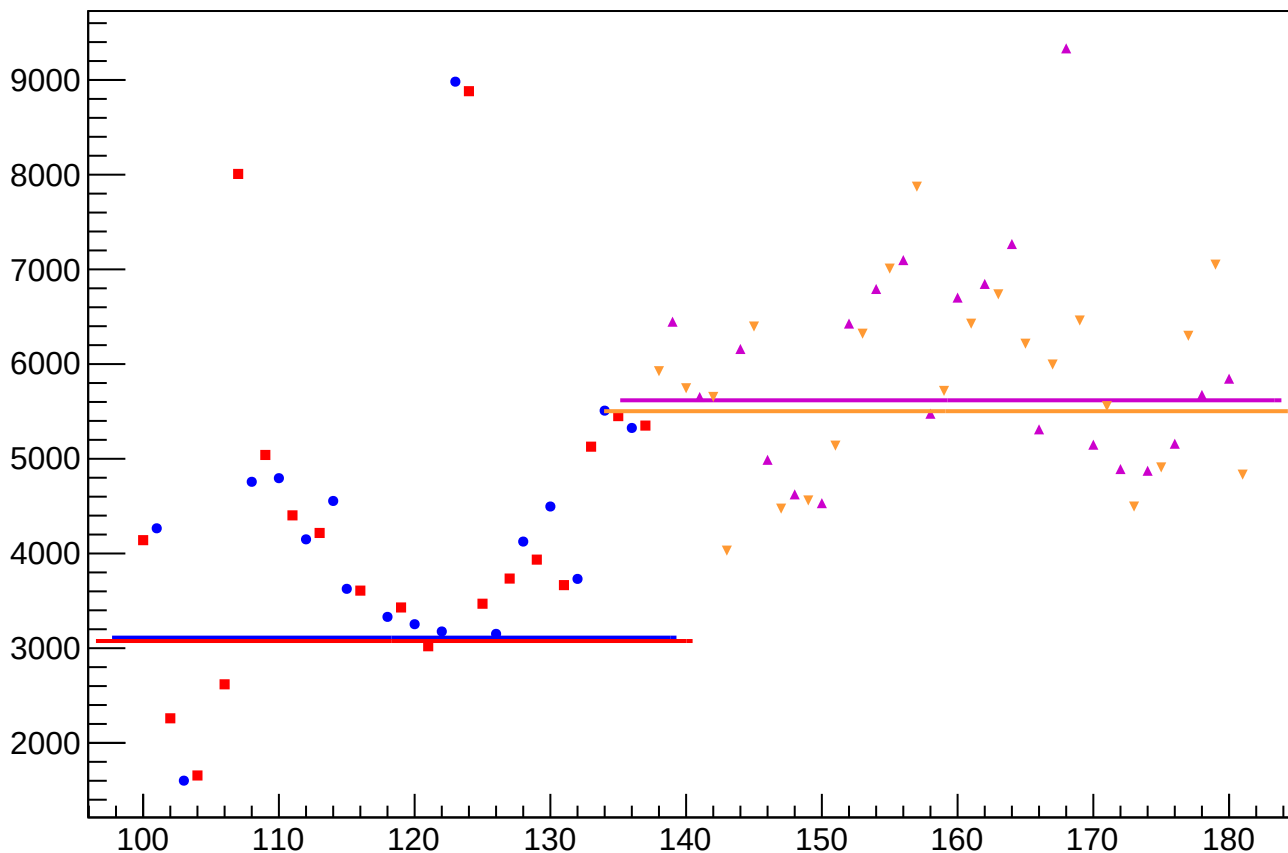
Right: 1143.505+/-914.731 χ^2/NDF : 42.0/35

In: 2277.938+/-954.001 χ^2/NDF : 27.0/37

Out: 824.078+/-928.808 χ^2/NDF : 57.4/41

All: 1531.558+/-665.495 χ^2/NDF : 85.6/79

asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 5502.597 $\pm$ 0.950 χ^2 /NDF: 989472.8/22

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

Left In: 5617.519 $\pm$ 0.992 χ^2 /NDF: 901380.5/20

Left: 5557.553 $\pm$ 0.686 χ^2 /NDF: 1897858.2/43

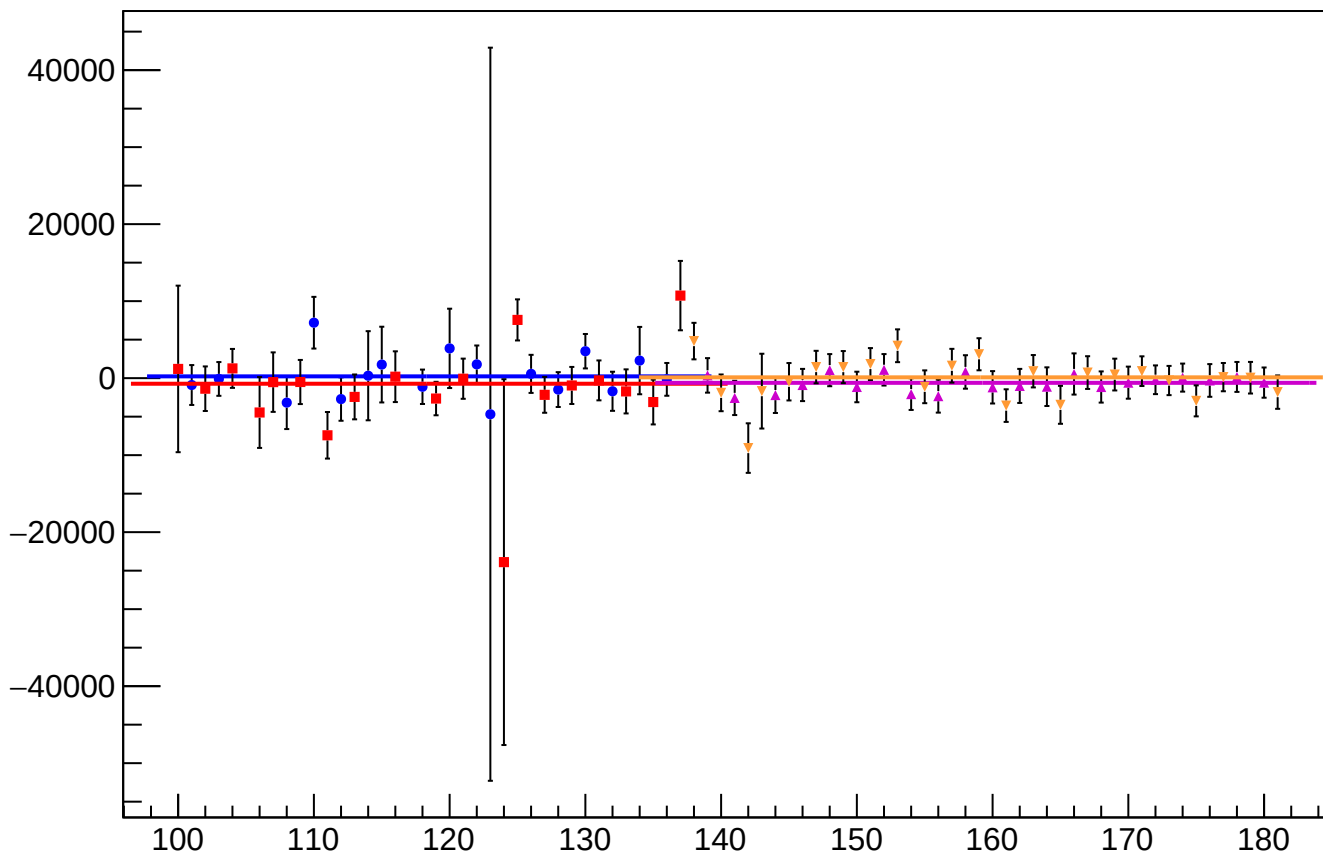
Right: 3093.209 $\pm$ 0.642 χ^2 /NDF: 3889323.9/35

In: 4270.696 $\pm$ 0.675 χ^2 /NDF: 6211049.8/37

Out: 4219.184 $\pm$ 0.652 χ^2 /NDF: 6453551.4/41

All: 4244.054 $\pm$ 0.469 χ^2 /NDF: 12667617.1/77

dit_asym_atl_dd_mean vs Slug, Sign Corrected



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

Left Out: 104.540+/-454.549 χ^2/NDF : 29.8/22

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

Left In: -607.974+/-459.182 χ^2/NDF : 5.2/20

Left: -248.105+/-323.040 χ^2/NDF : 36.1/43

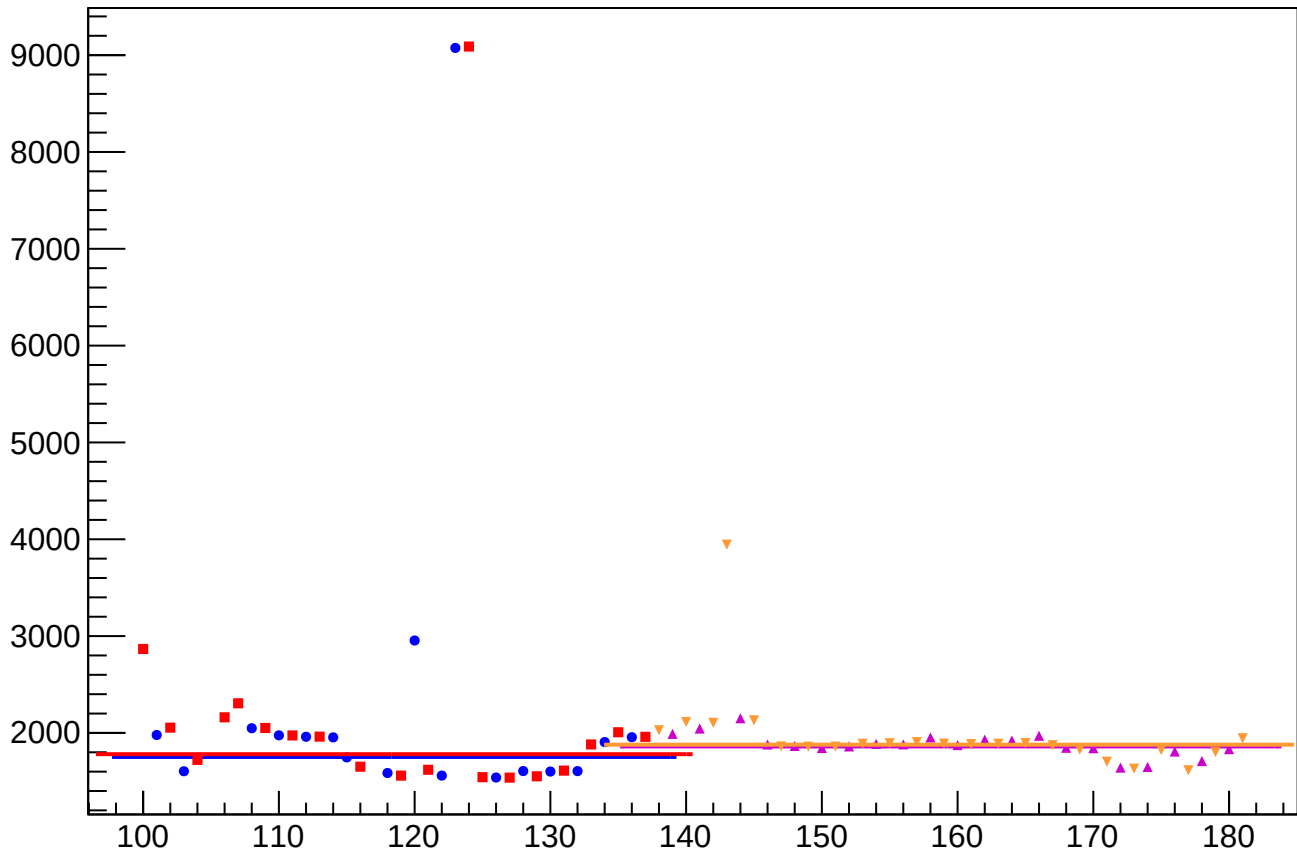
Right: -248.748+/-484.705 χ^2/NDF : 38.3/35

In: -348.386+/-381.722 χ^2/NDF : 17.7/37

Out: -149.846+/-378.607 χ^2/NDF : 56.6/41

All: -248.303+/-268.810 χ^2/NDF : 74.5/79

dit_asym_atl_dd_rms vs Slug, Sign Corrected



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

Left Out: 1878.462+/-0.321 χ^2/NDF : 521343.4/22

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

Left In: 1860.068+/-0.325 χ^2/NDF : 131532.9/20

Left: 1869.358+/-0.228 χ^2/NDF : 654497.1/43

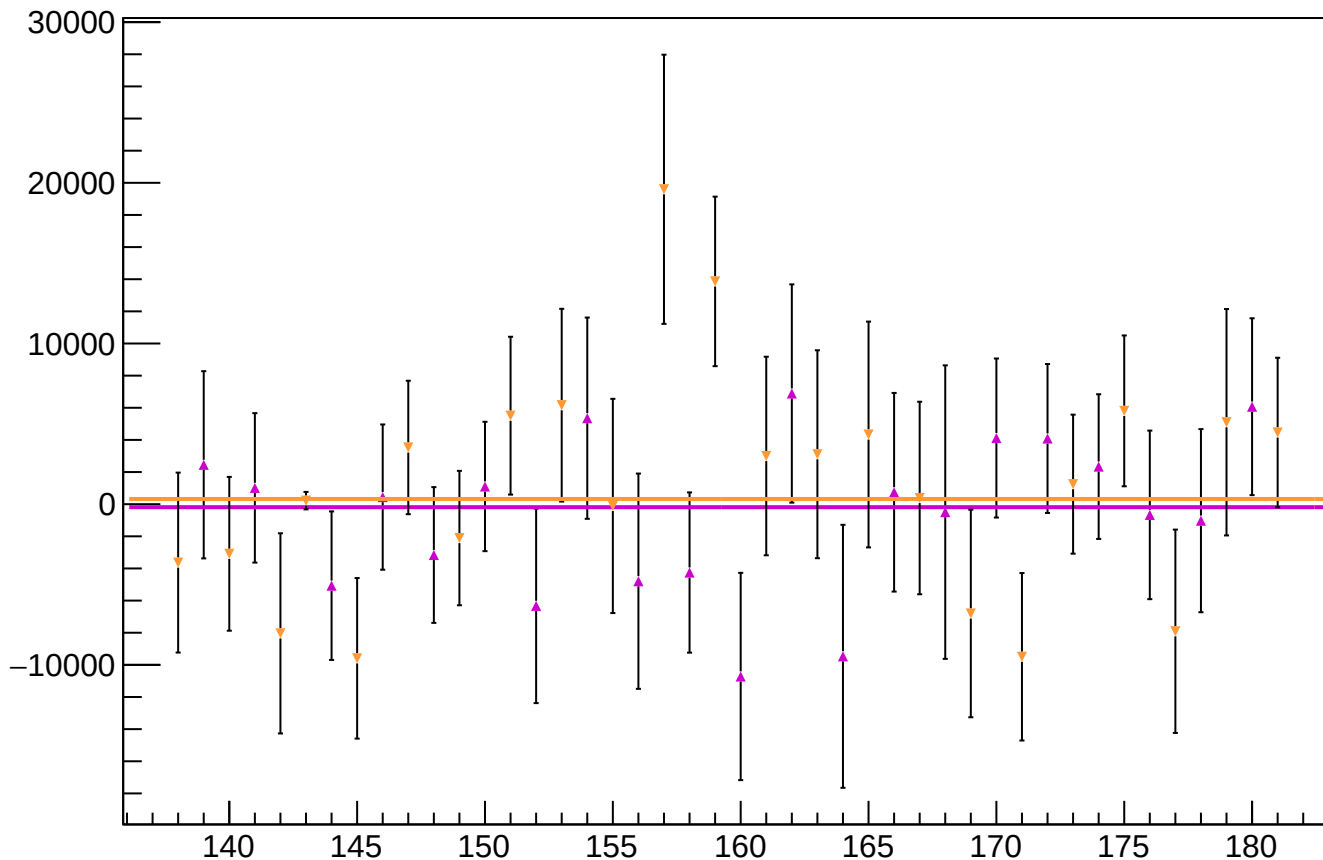
Right: 1766.106+/-0.342 χ^2/NDF : 730940.0/35

In: 1826.637+/-0.270 χ^2/NDF : 466748.3/37

Out: 1848.308+/-0.268 χ^2/NDF : 978349.5/41

All: 1837.566+/-0.190 χ^2/NDF : 1448348.7/79

asym_atl_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 324.688+/-491.462 χ^2/NDF :31.5/22

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

Left In: -186.181+/-1162.306 χ^2/NDF :13.3/20

Left: 247.204+/-452.660 χ^2/NDF : 44.9/43

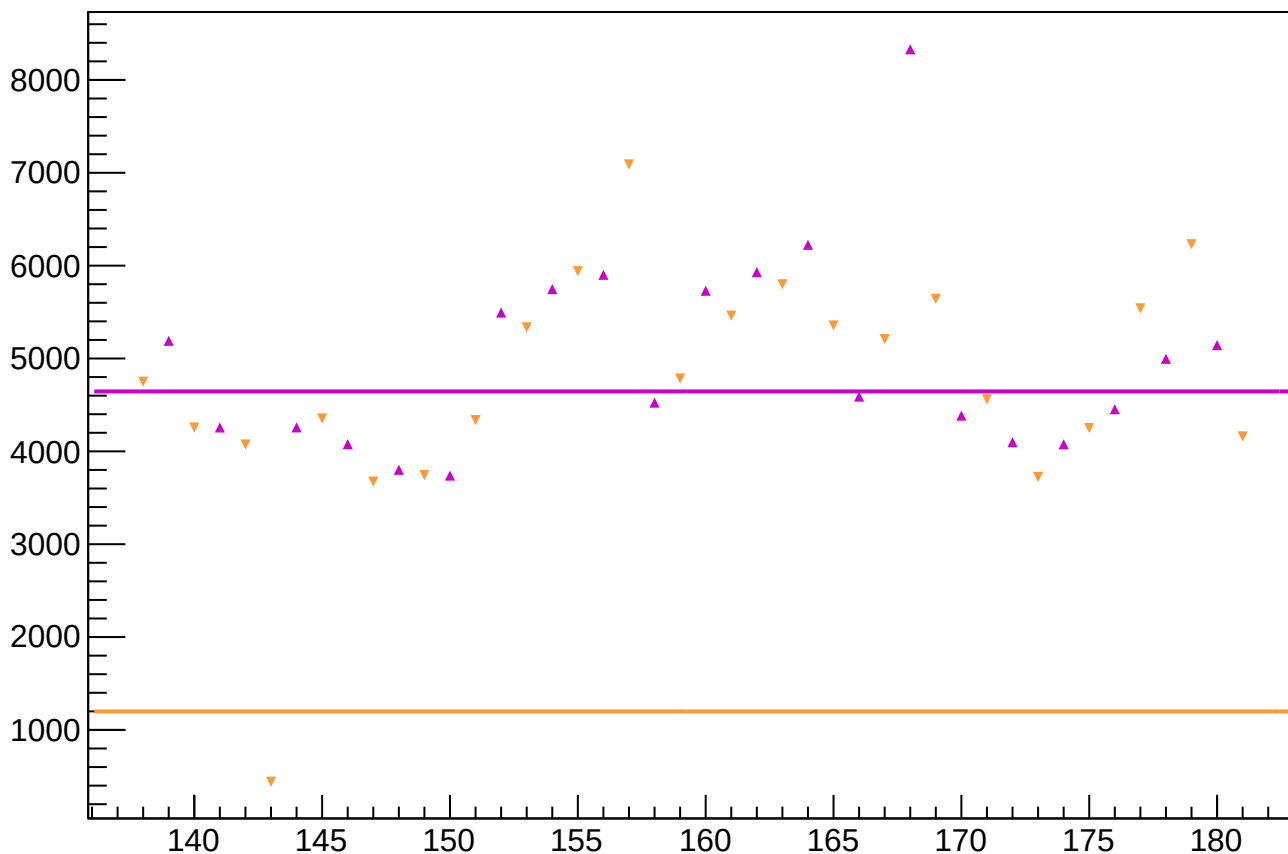
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -186.181+/-1162.306 χ^2/NDF :13.3/20

Out: 324.688+/-491.462 χ^2/NDF :31.5/22

All: 247.204+/-452.660 χ^2/NDF : 44.9/43

asym_atl_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1198.960+/-0.348 χ^2/NDF :22518849.5/22

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

Left In: 4645.351+/-0.822 χ^2/NDF :1051122.6/20

Left: 1721.678+/-0.320 χ^2/NDF : 38486989.5/43

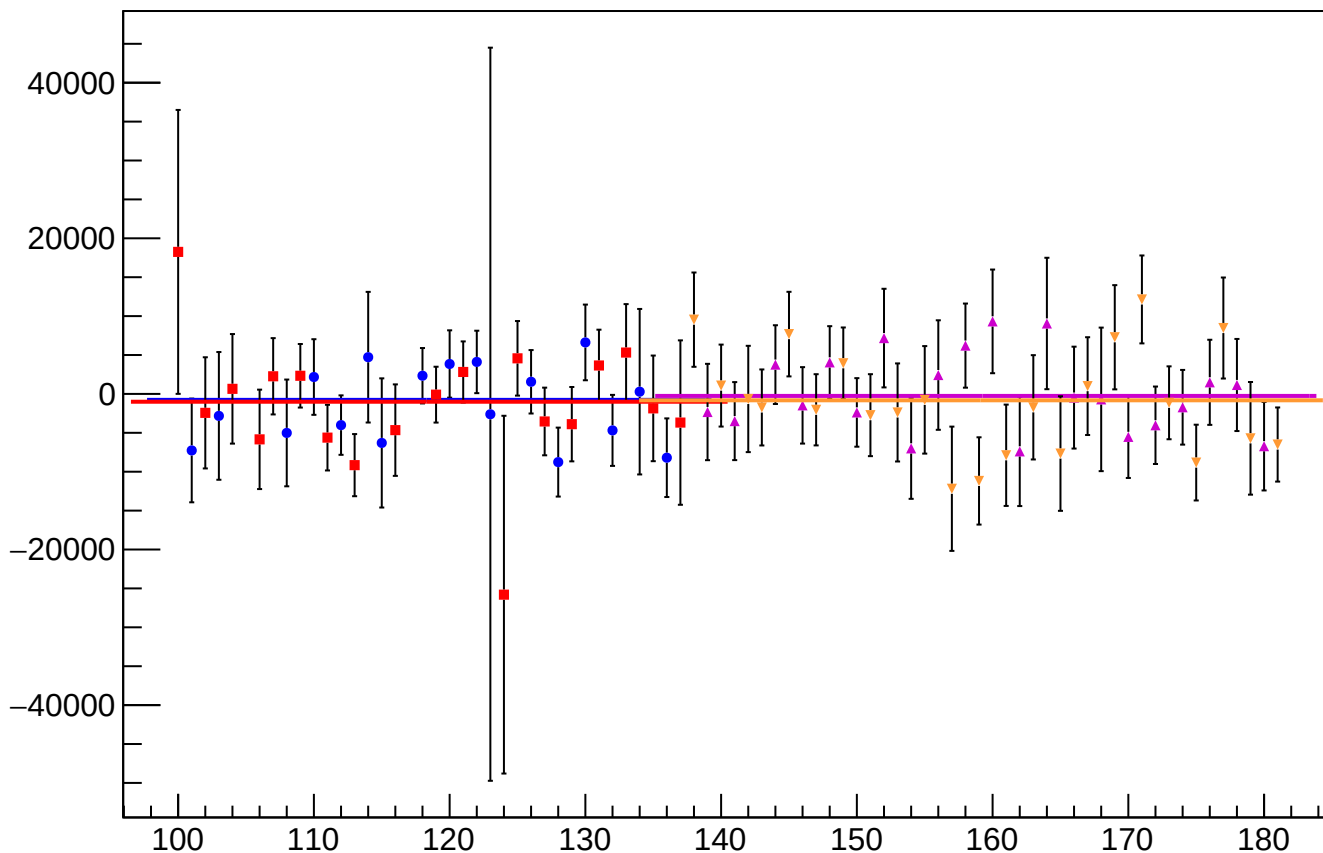
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4645.351+/-0.822 χ^2/NDF :1051122.6/20

Out: 1198.960+/-0.348 χ^2/NDF :22518849.5/22

All: 1721.678+/-0.320 χ^2/NDF : 38486989.5/43

asym_atl_dd_mean vs Slug, Sign Corrected



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

Left Out: -820.972+/-1192.722 χ^2/NDF : 27.8/22

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

Left In: -257.318+/-1238.981 χ^2/NDF : 13.8/20

Left: -549.863+/-859.270 χ^2/NDF : 41.7/43

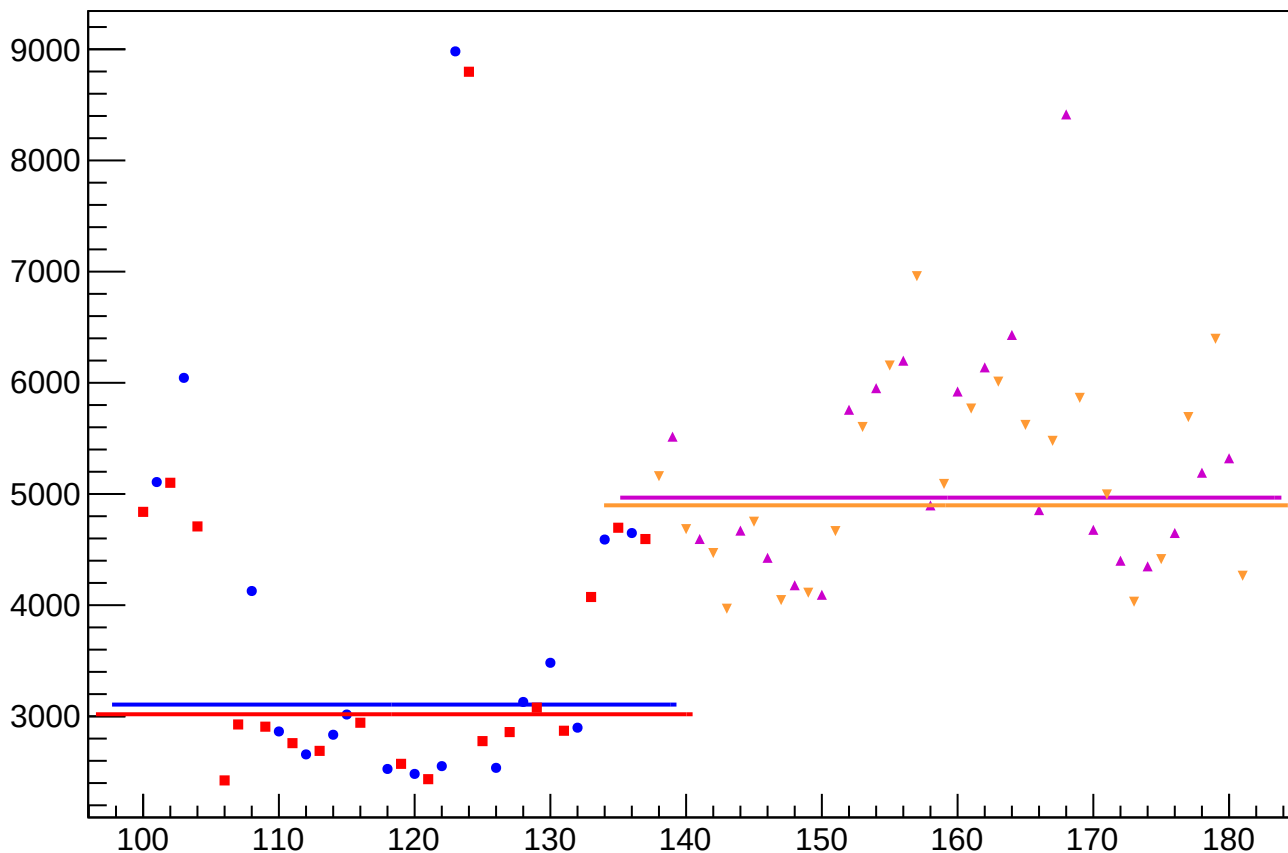
Right: -890.508+/-861.557 χ^2/NDF : 30.6/35

In: -509.431+/-879.160 χ^2/NDF : 29.4/37

Out: -913.005+/-842.814 χ^2/NDF : 42.9/41

All: -719.733+/-608.403 χ^2/NDF : 72.3/79

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3105.849+/-0.882 χ^2/NDF : 959826.4/16

Left Out: 4898.077+/-0.843 χ^2/NDF : 855900.7/22

Right Out: 3018.781+/-0.832 χ^2/NDF : 794275.0/18

Left In: 4967.153+/-0.876 χ^2/NDF : 851571.7/20

Left: 4931.301+/-0.608 χ^2/NDF : 1710698.9/43

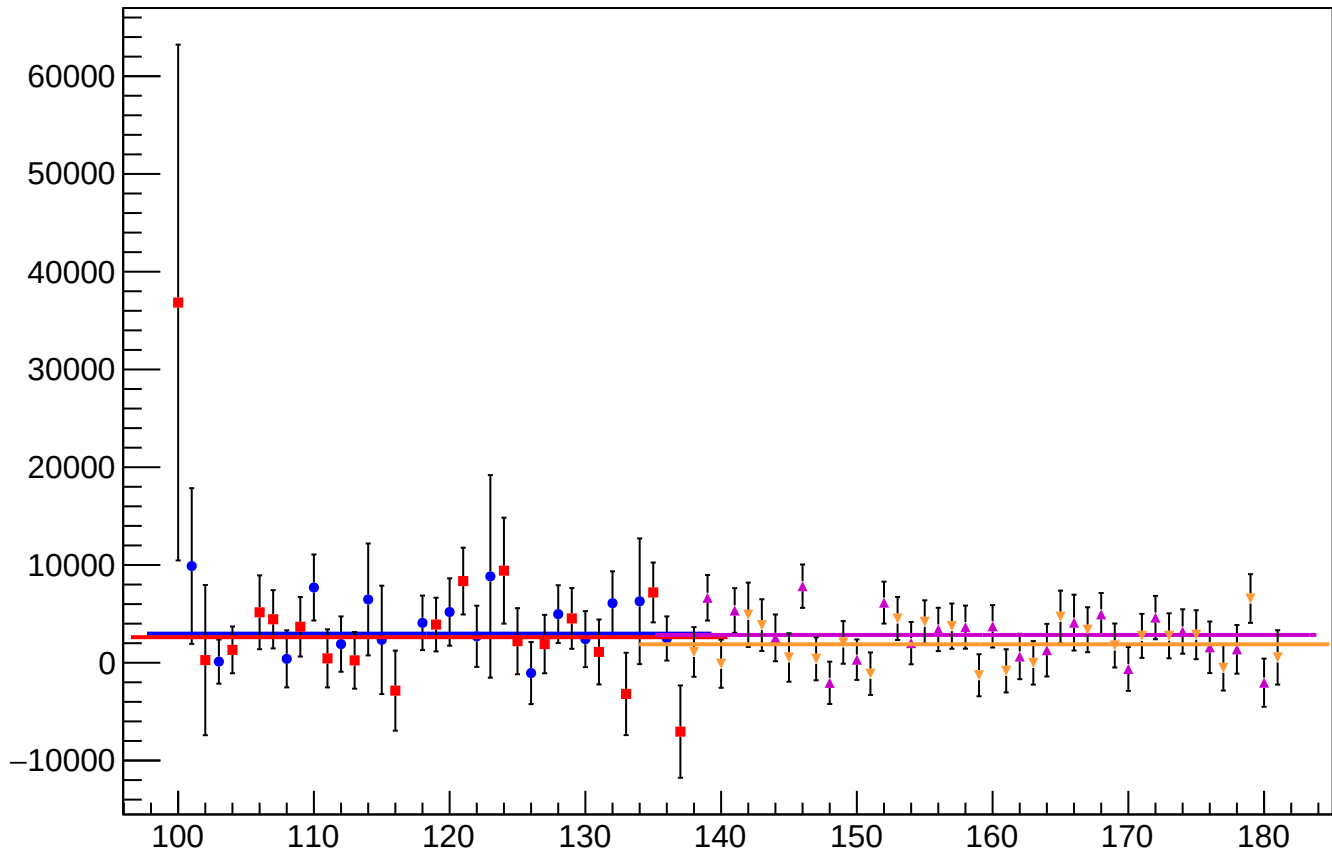
Right: 3059.752+/-0.605 χ^2/NDF : 1759257.8/35

In: 4043.026+/-0.622 χ^2/NDF : 4052437.0/37

Out: 3945.388+/-0.592 χ^2/NDF : 4167259.4/41

All: 3991.839+/-0.429 χ^2/NDF : 8232628.6/79

dit_asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: 1890.124 $\pm$ 492.702 χ^2/NDF : 19.2/22

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

Left In: 2845.505 $\pm$ 501.499 χ^2/NDF : 28.4/20

Left: 2359.362 $\pm$ 351.462 χ^2/NDF : 49.4/43

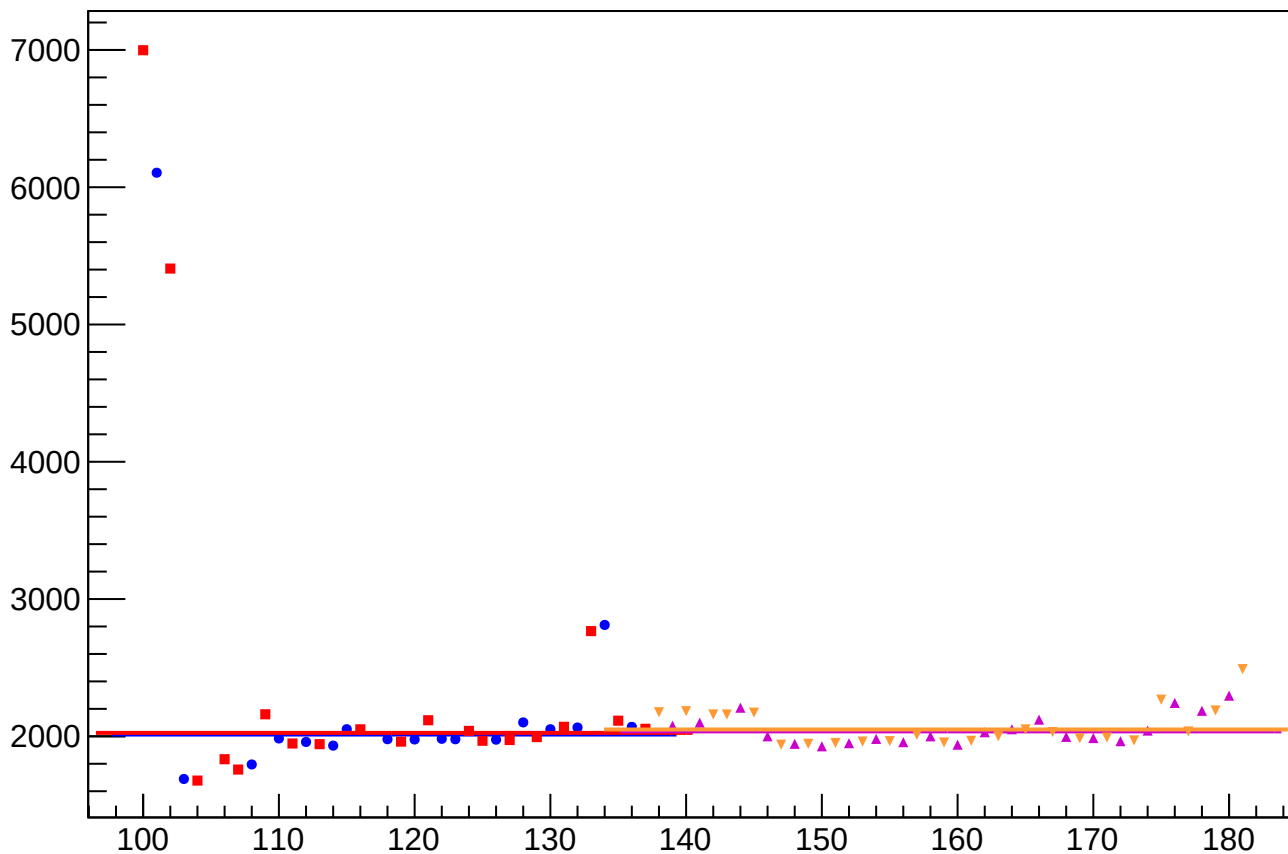
Right: 2793.353 $\pm$ 558.079 χ^2/NDF : 29.6/35

In: 2883.320 $\pm$ 424.218 χ^2/NDF : 38.3/37

Out: 2095.328 $\pm$ 417.047 χ^2/NDF : 39.4/41

All: 2482.607 $\pm$ 297.400 χ^2/NDF : 79.5/79

dit_asym_atr_avg_rms vs Slug, Sign Corrected



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

Left Out: 2049.631 $\pm$ 0.348 χ^2 /NDF:126376.2/22

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

Left In: 2036.052 $\pm$ 0.355 χ^2 /NDF:81125.7/20

Left: 2042.962 $\pm$ 0.249 χ^2 /NDF: 208248.0/43

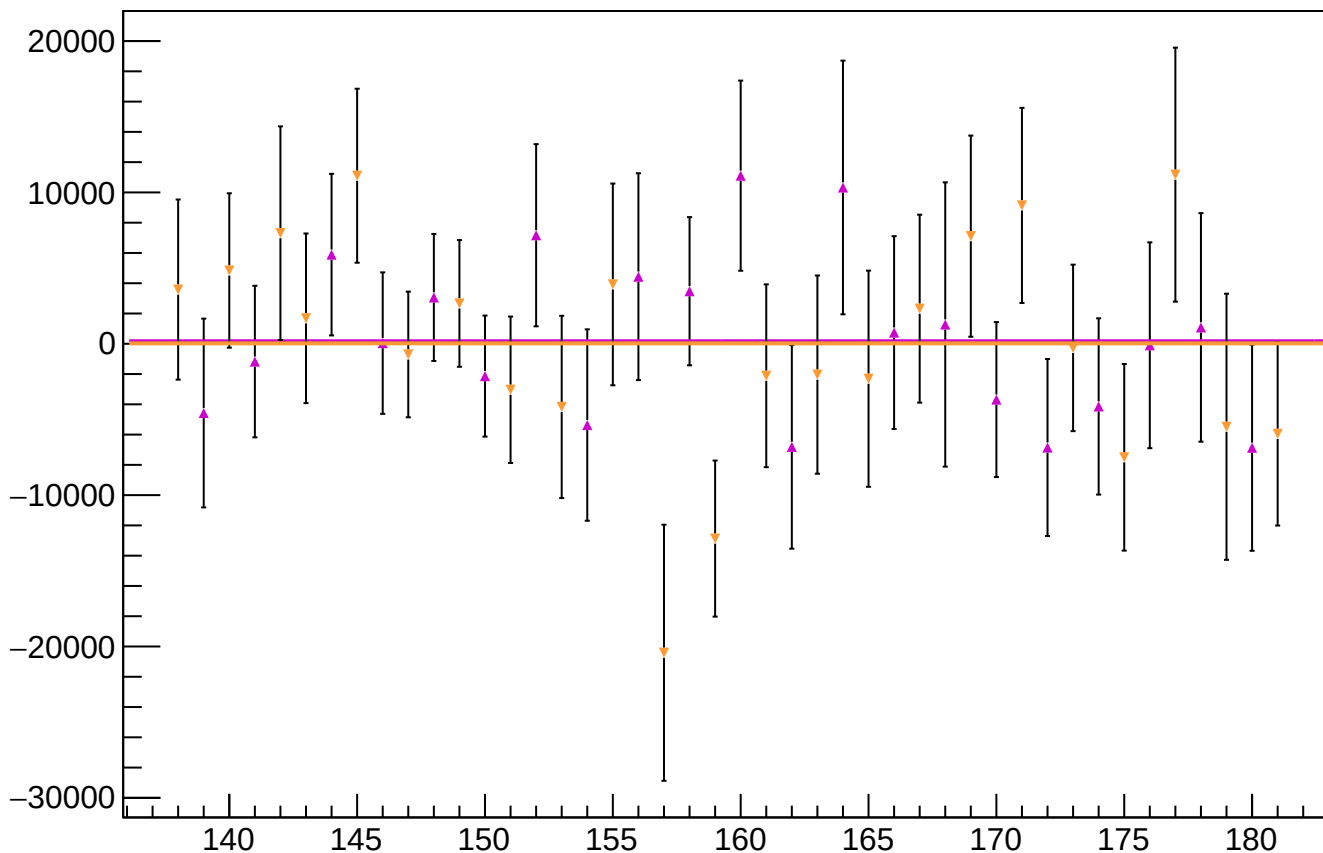
Right: 2019.103 $\pm$ 0.395 χ^2 /NDF: 1215366.0/35

In: 2029.479 $\pm$ 0.300 χ^2 /NDF:700040.9/37

Out: 2042.664 $\pm$ 0.295 χ^2 /NDF:725208.6/41

All: 2036.185 $\pm$ 0.210 χ^2 /NDF: 1426232.0/79

asym_atr_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 28.138+/-1226.154 χ^2/NDF :28.1/22

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

Left In: 164.336+/-1253.078 χ^2/NDF :14.8/20

Left: 94.758+/-876.386 χ^2/NDF : 42.9/43

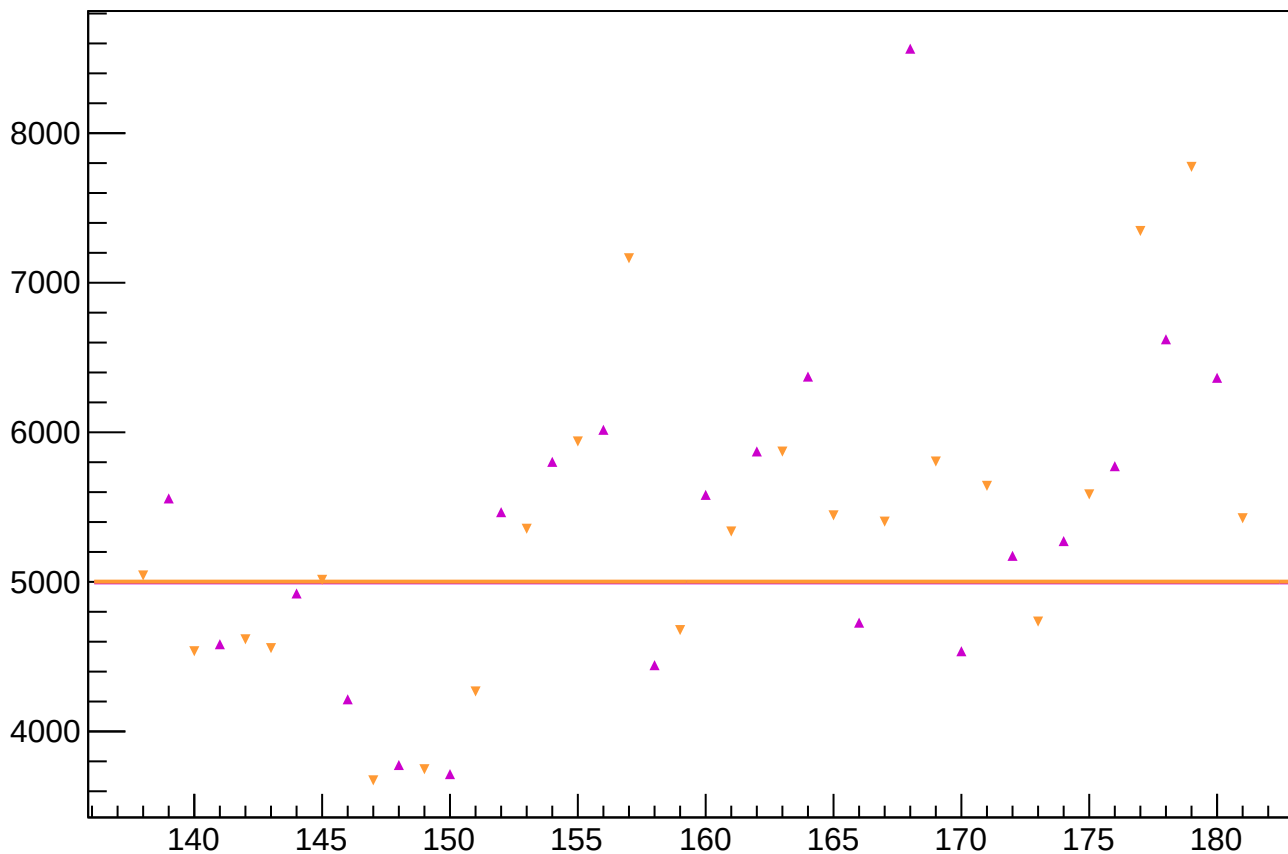
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 164.336+/-1253.078 χ^2/NDF :14.8/20

Out: 28.138+/-1226.154 χ^2/NDF :28.1/22

All: 94.758+/-876.386 χ^2/NDF : 42.9/43

asym_atr_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 5001.530+/-0.867 χ^2/NDF :1144750.4/22

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

Left In: 4996.822+/-0.886 χ^2/NDF :1195367.0/20

Left: 4999.227+/-0.620 χ^2/NDF : 2340131.8/43

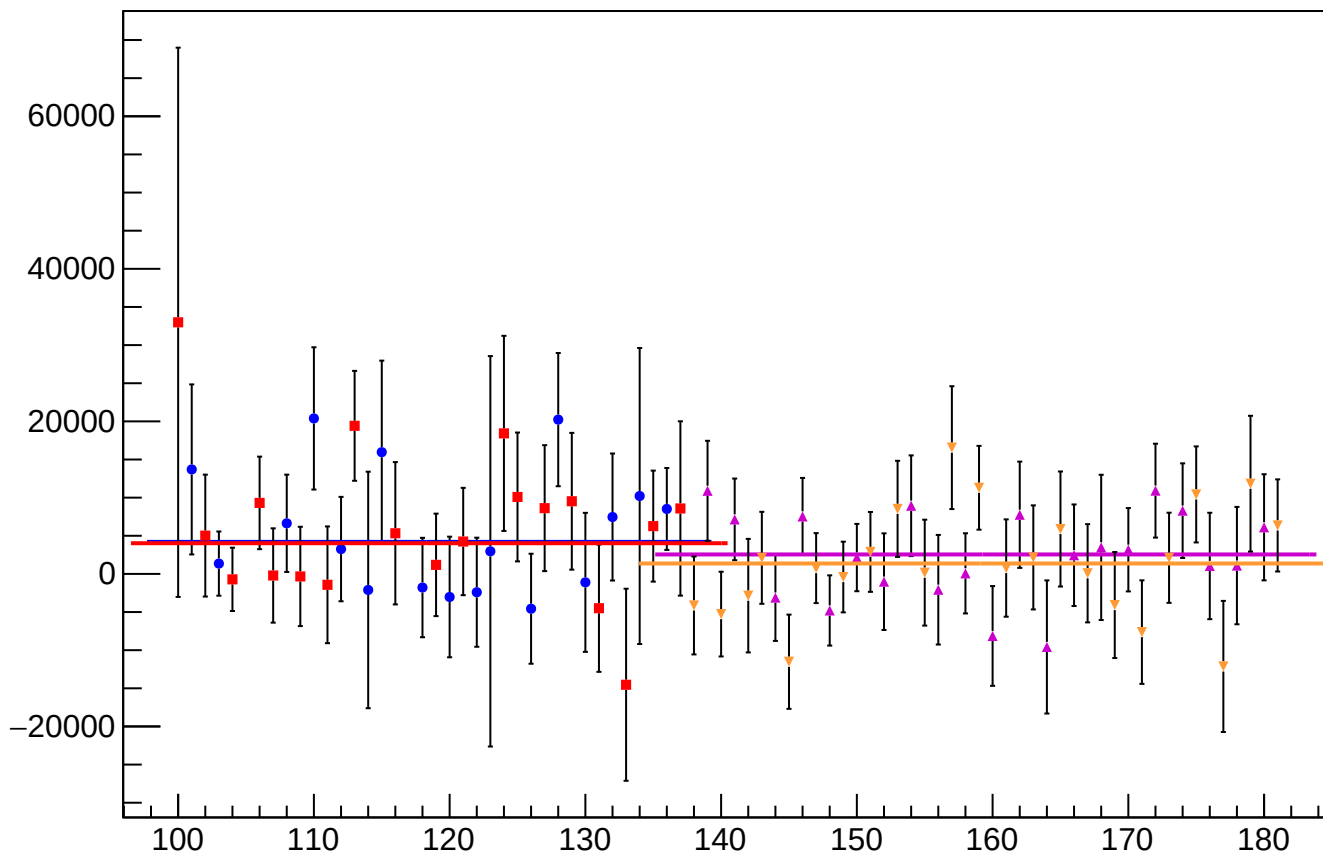
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4996.822+/-0.886 χ^2/NDF :1195367.0/20

Out: 5001.530+/-0.867 χ^2/NDF :1144750.4/22

All: 4999.227+/-0.620 χ^2/NDF : 2340131.8/43

asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: 1365.757+/-1300.810 χ^2/NDF : 24.6/22

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

Left In: 2551.645+/-1330.470 χ^2/NDF : 17.0/20

Left: 1945.336+/-930.121 χ^2/NDF : 42.0/43

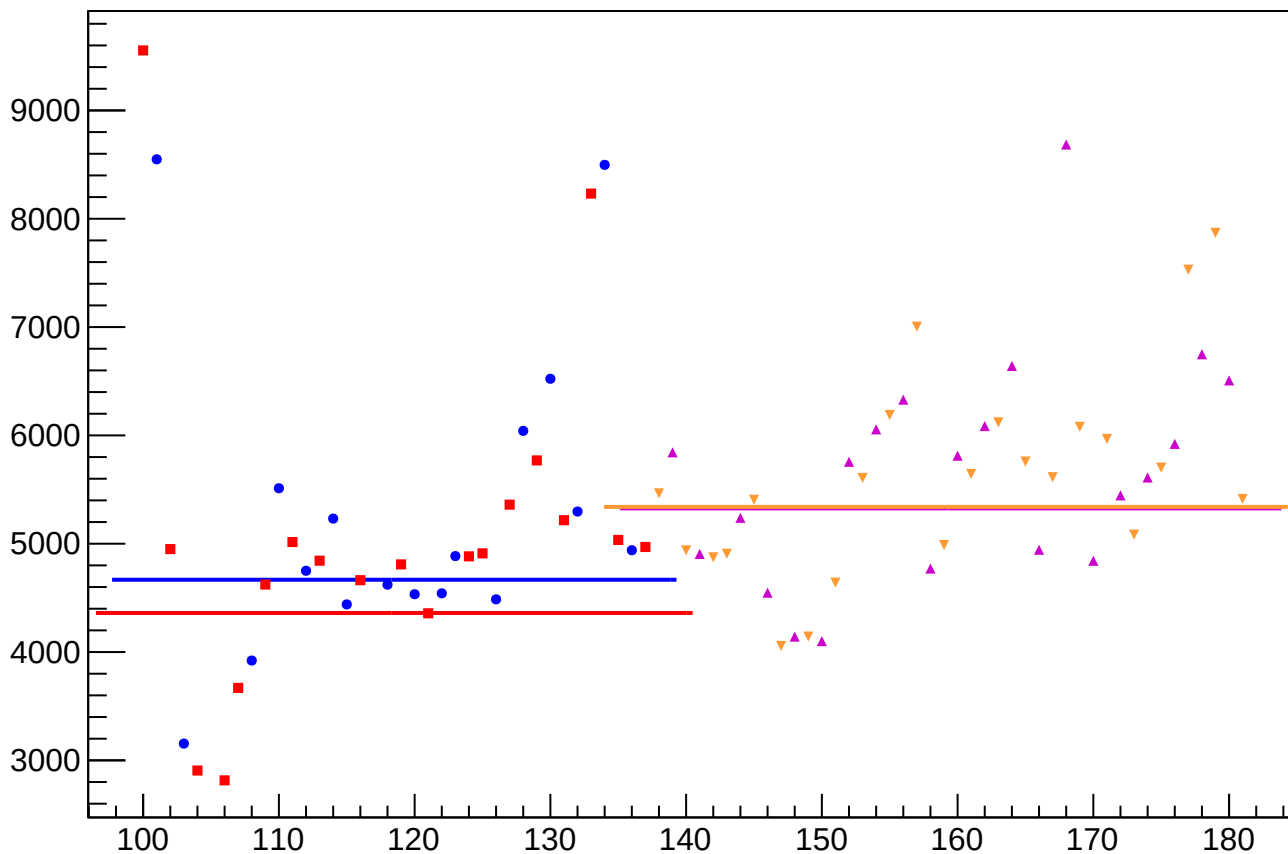
Right: 4104.755+/-1264.177 χ^2/NDF : 29.0/35

In: 3110.031+/-1081.692 χ^2/NDF : 31.6/37

Out: 2329.153+/-1038.645 χ^2/NDF : 41.0/41

All: 2703.745+/-749.189 χ^2/NDF : 72.9/79

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4667.470 $\pm$ 1.314 χ^2/NDF : 777857.9/16

Left Out: 5340.102 $\pm$ 0.920 χ^2/NDF : 864626.5/22

Right Out: 4360.582 $\pm$ 1.213 χ^2/NDF : 832745.2/18

Left In: 5326.205 $\pm$ 0.941 χ^2/NDF : 951061.2/20

Left: 5333.310 $\pm$ 0.658 χ^2/NDF : 1815799.3/43

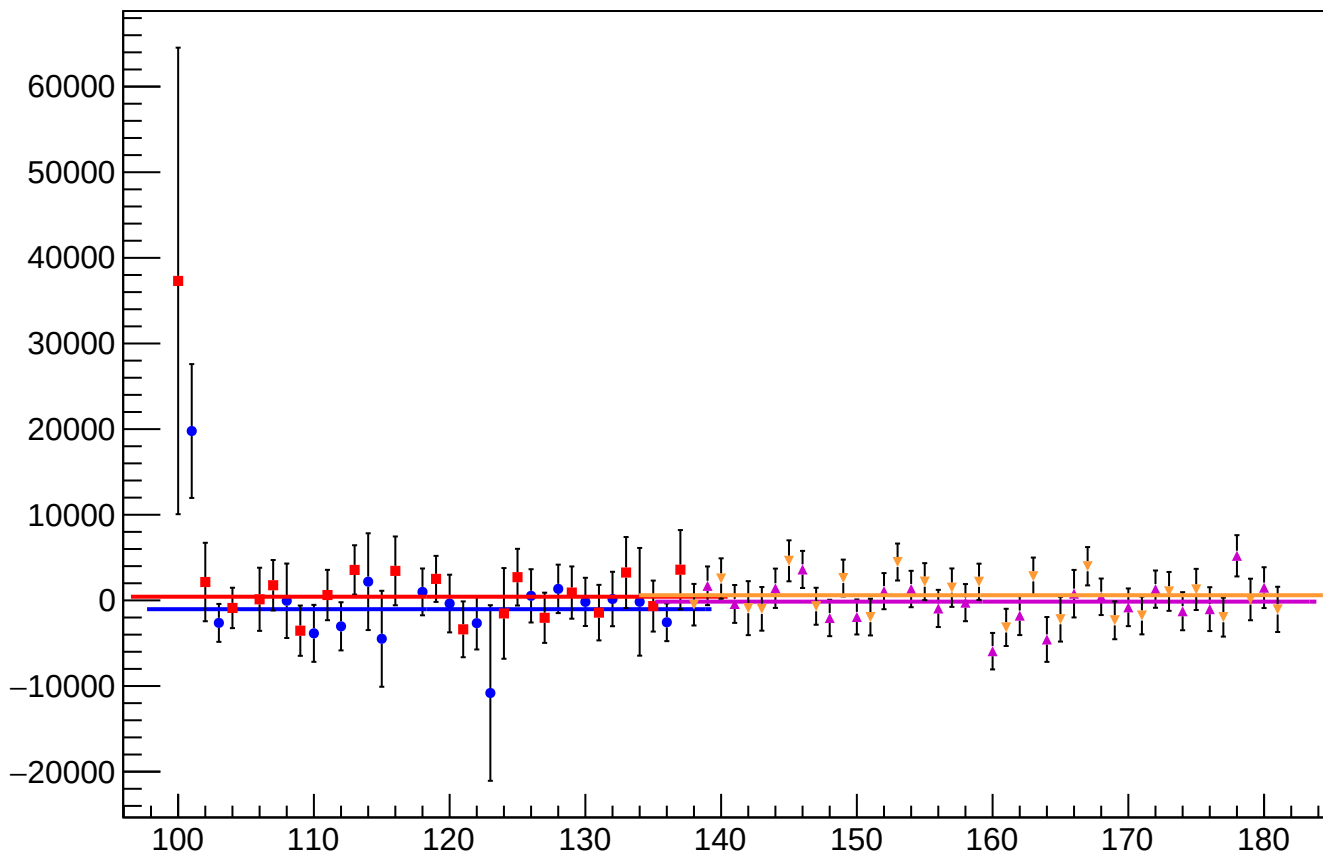
Right: 4501.800 $\pm$ 0.891 χ^2/NDF : 1640064.7/35

In: 5102.889 $\pm$ 0.765 χ^2/NDF : 1895125.9/37

Out: 4982.438 $\pm$ 0.733 χ^2/NDF : 2111457.8/41

All: 5040.093 $\pm$ 0.529 χ^2/NDF : 4019512.8/79

dit_asym_atr_dd_mean vs Slug, Sign Corrected



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

Left Out: 603.783 $\pm$ 480.488 χ^2 /NDF: 23.6/22

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

Left In: -147.157 $\pm$ 490.048 χ^2 /NDF: 23.9/20

Left: 235.708 $\pm$ 343.086 χ^2 /NDF: 48.7/43

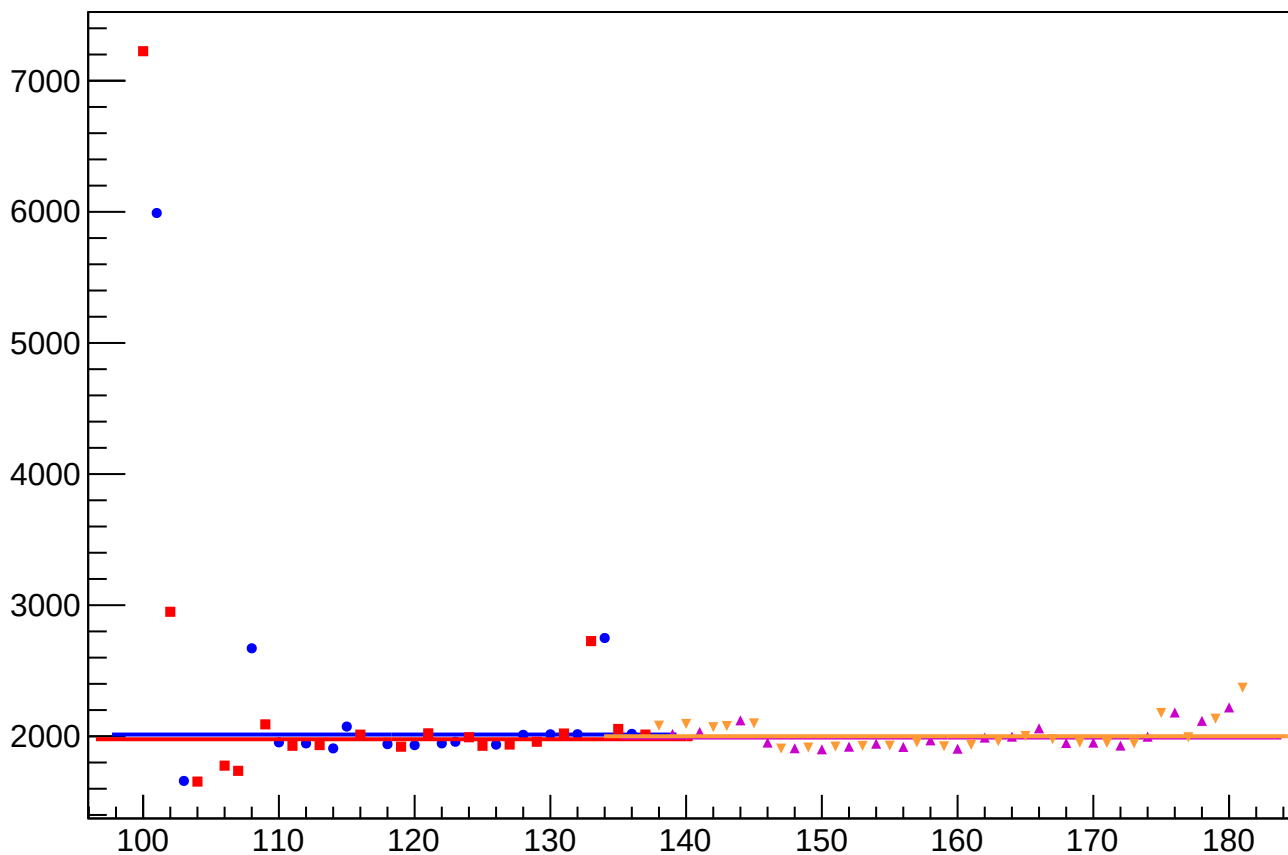
Right: -265.860 $\pm$ 550.193 χ^2 /NDF: 25.6/35

In: -388.727 $\pm$ 417.392 χ^2 /NDF: 37.8/37

Out: 553.802 $\pm$ 406.254 χ^2 /NDF: 34.4/41

All: 95.281 $\pm$ 291.123 χ^2 /NDF: 74.9/79

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 2013.270 $\pm$ 0.563 χ^2 /NDF: 650048.6/16

Left Out: 2000.442 $\pm$ 0.340 χ^2 /NDF: 91474.9/22

Right Out: 1977.545 $\pm$ 0.537 χ^2 /NDF: 294899.1/18

Left In: 1990.515 $\pm$ 0.347 χ^2 /NDF: 63330.1/20

Left: 1995.576 $\pm$ 0.243 χ^2 /NDF: 155223.5/43

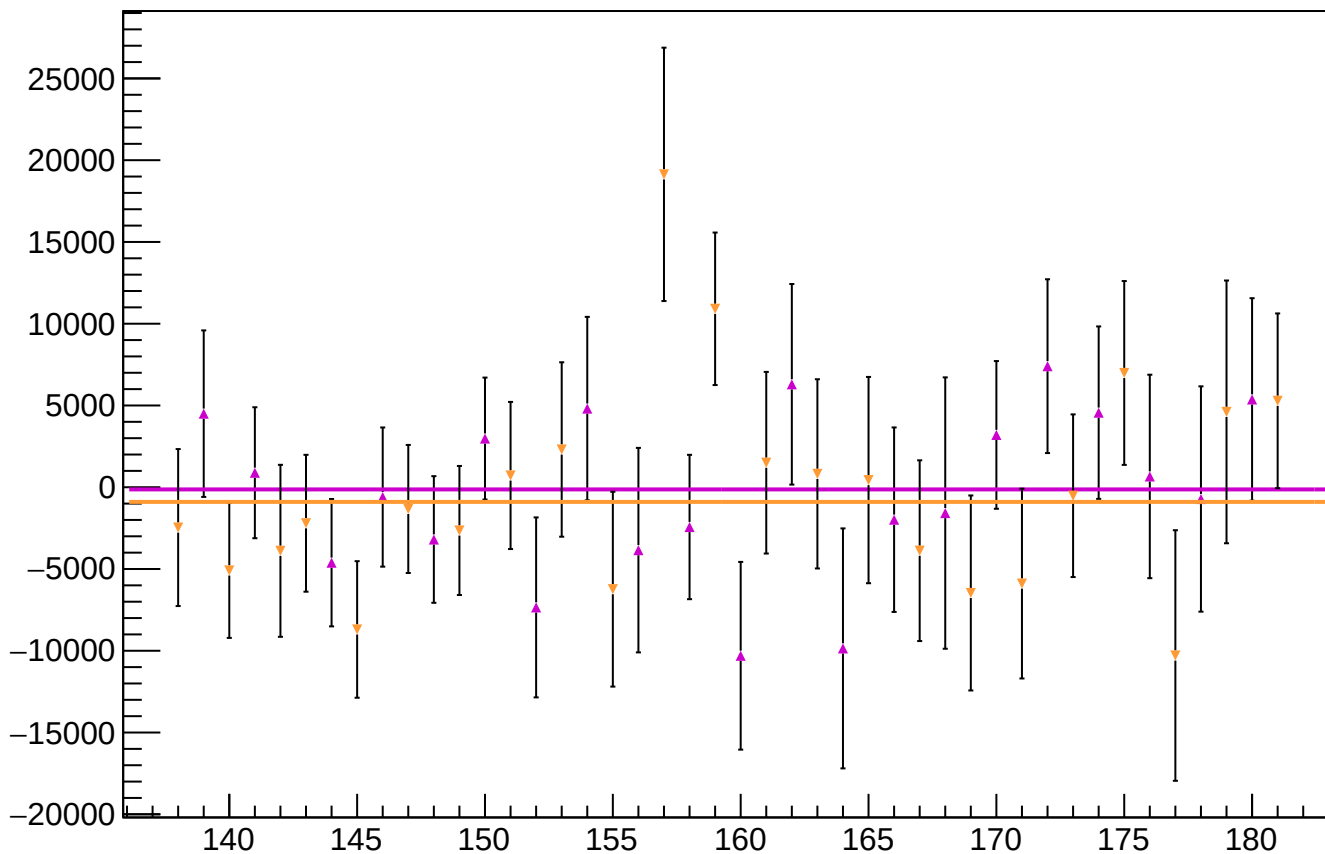
Right: 1994.568 $\pm$ 0.389 χ^2 /NDF: 947053.5/35

In: 1996.762 $\pm$ 0.295 χ^2 /NDF: 714562.6/37

Out: 1993.904 $\pm$ 0.287 χ^2 /NDF: 387671.0/41

All: 1995.294 $\pm$ 0.206 χ^2 /NDF: 1102281.8/79

asym_atr_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -896.399+/-1068.893 χ^2/NDF :27.2/22

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

Left In: -133.202+/-1106.167 χ^2/NDF :17.0/20

Left: -527.876+/-768.661 χ^2/NDF : 44.4/43

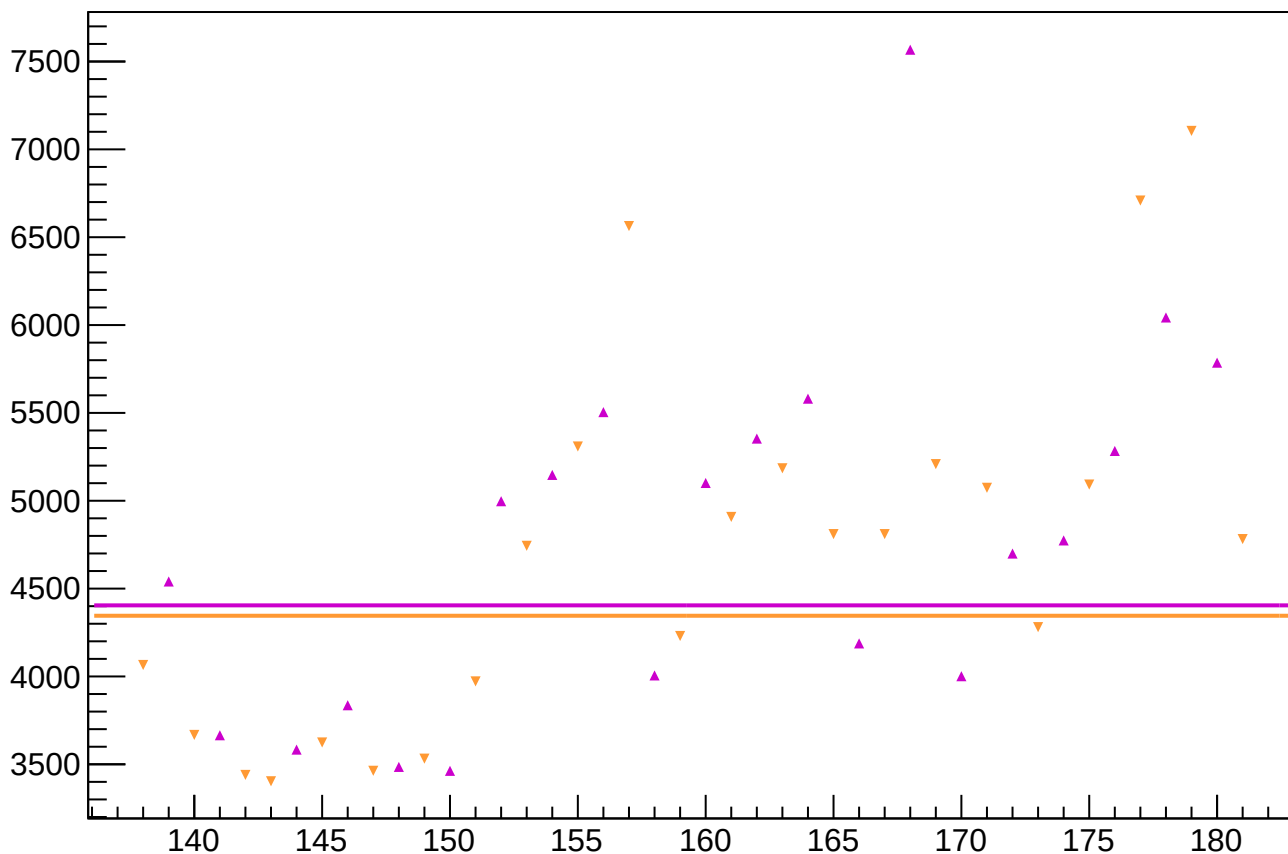
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -133.202+/-1106.167 χ^2/NDF :17.0/20

Out: -896.399+/-1068.893 χ^2/NDF :27.2/22

All: -527.876+/-768.661 χ^2/NDF : 44.4/43

asym_atr_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 4345.493+/-0.756 χ^2/NDF :1346441.7/22

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

Left In: 4404.612+/-0.782 χ^2/NDF :1277772.2/20

Left: 4374.040+/-0.544 χ^2/NDF : 2627168.2/43

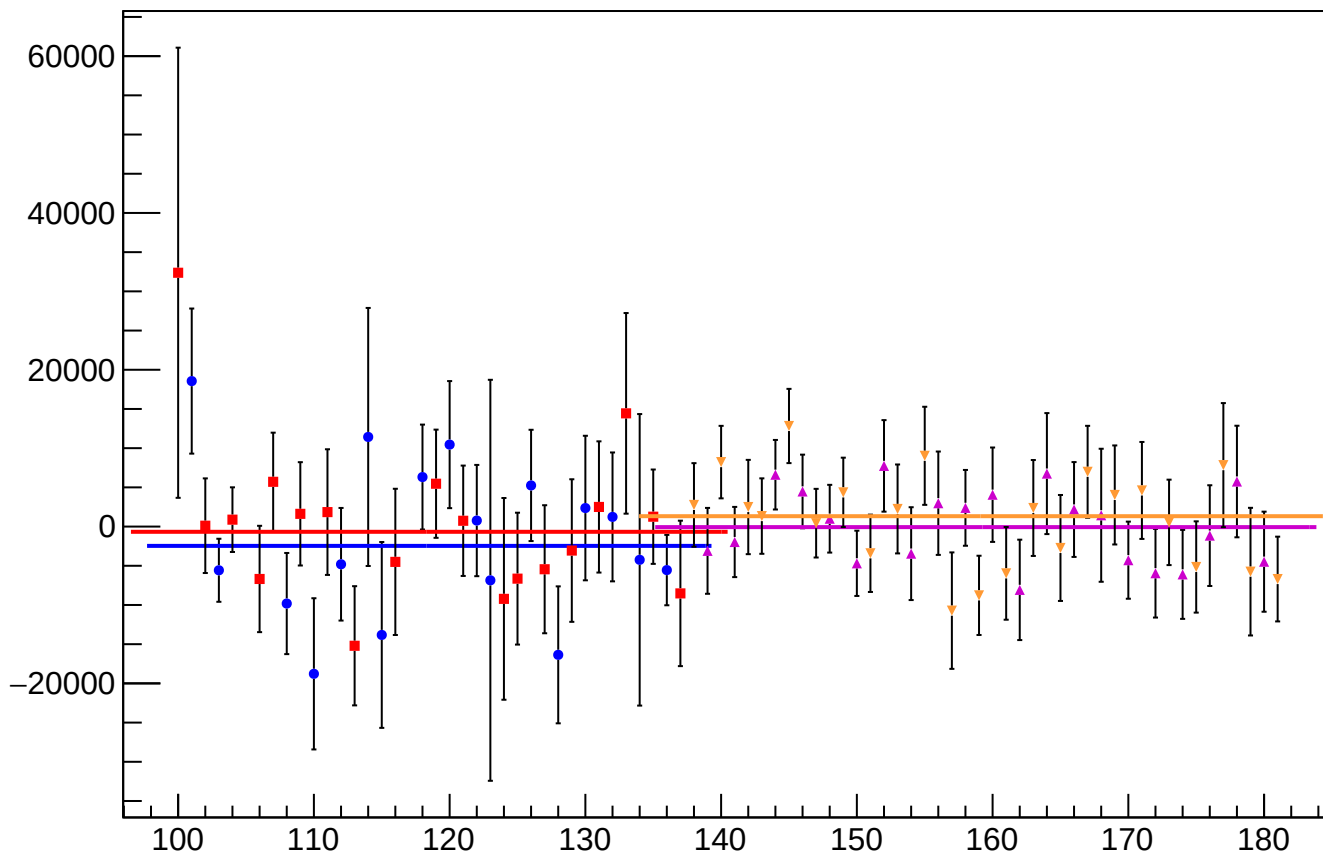
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4404.612+/-0.782 χ^2/NDF :1277772.2/20

Out: 4345.493+/-0.756 χ^2/NDF :1346441.7/22

All: 4374.040+/-0.544 χ^2/NDF : 2627168.2/43

asym_atr_dd_mean vs Slug, Sign Corrected



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

Left Out: 1323.700 $\pm$ 1161.104 χ^2/NDF : 26.0/22

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

Left In: -69.380 $\pm$ 1198.120 χ^2/NDF : 14.7/20

Left: 649.012 $\pm$ 833.804 χ^2/NDF : 41.4/43

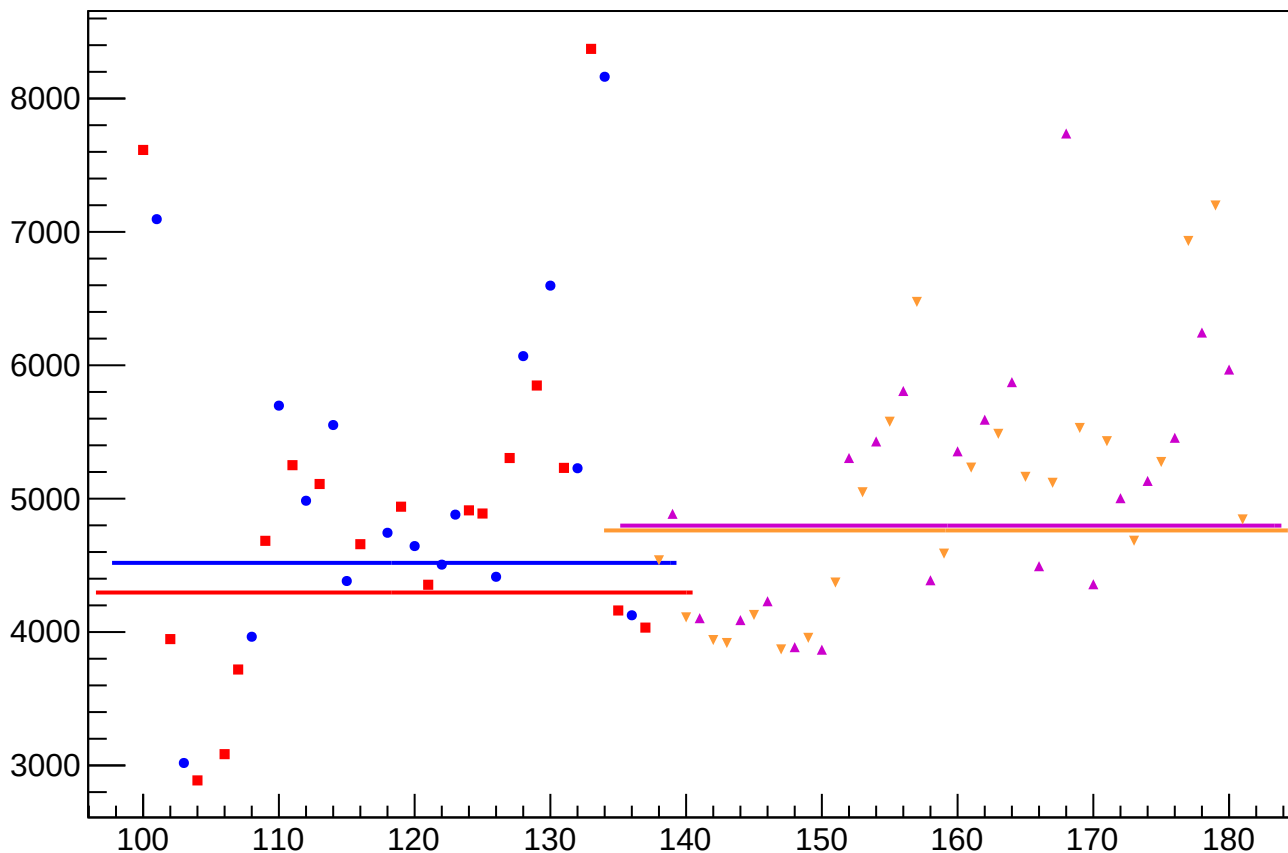
Right: -1508.905 $\pm$ 1231.122 χ^2/NDF : 33.3/35

In: -805.585 $\pm$ 996.915 χ^2/NDF : 36.7/37

Out: 685.520 $\pm$ 956.968 χ^2/NDF : 38.9/41

All: -29.559 $\pm$ 690.369 χ^2/NDF : 76.8/79

asym_atr_dd_rms vs Slug, Sign Corrected



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

Left Out: 4761.832 $\pm$ 0.821 χ^2 /NDF: 941783.5/22

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

Left In: 4798.008 $\pm$ 0.847 χ^2 /NDF: 945334.0/20

Left: 4779.352 $\pm$ 0.590 χ^2 /NDF: 1888057.8/43

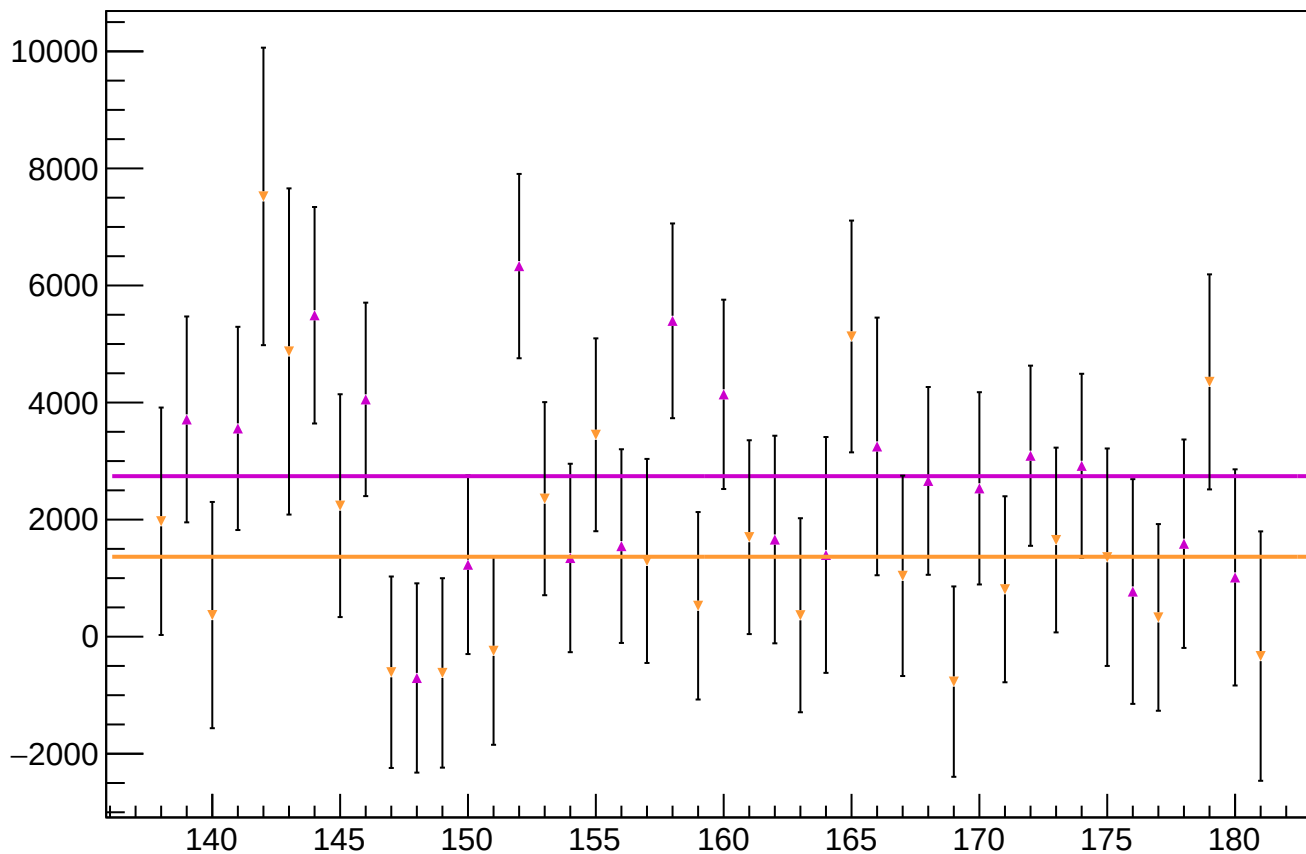
Right: 4400.071 $\pm$ 0.868 χ^2 /NDF: 1558255.2/35

In: 4712.069 $\pm$ 0.705 χ^2 /NDF: 1749005.4/37

Out: 4611.425 $\pm$ 0.675 χ^2 /NDF: 1817342.0/41

All: 4659.600 $\pm$ 0.488 χ^2 /NDF: 3576974.3/79

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: 1365.377+/-367.832 χ^2/NDF :23.9/22

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

Left In: 2742.147+/-371.140 χ^2/NDF :22.0/20

Left: 2047.600+/-261.258 χ^2/NDF : 52.8/43

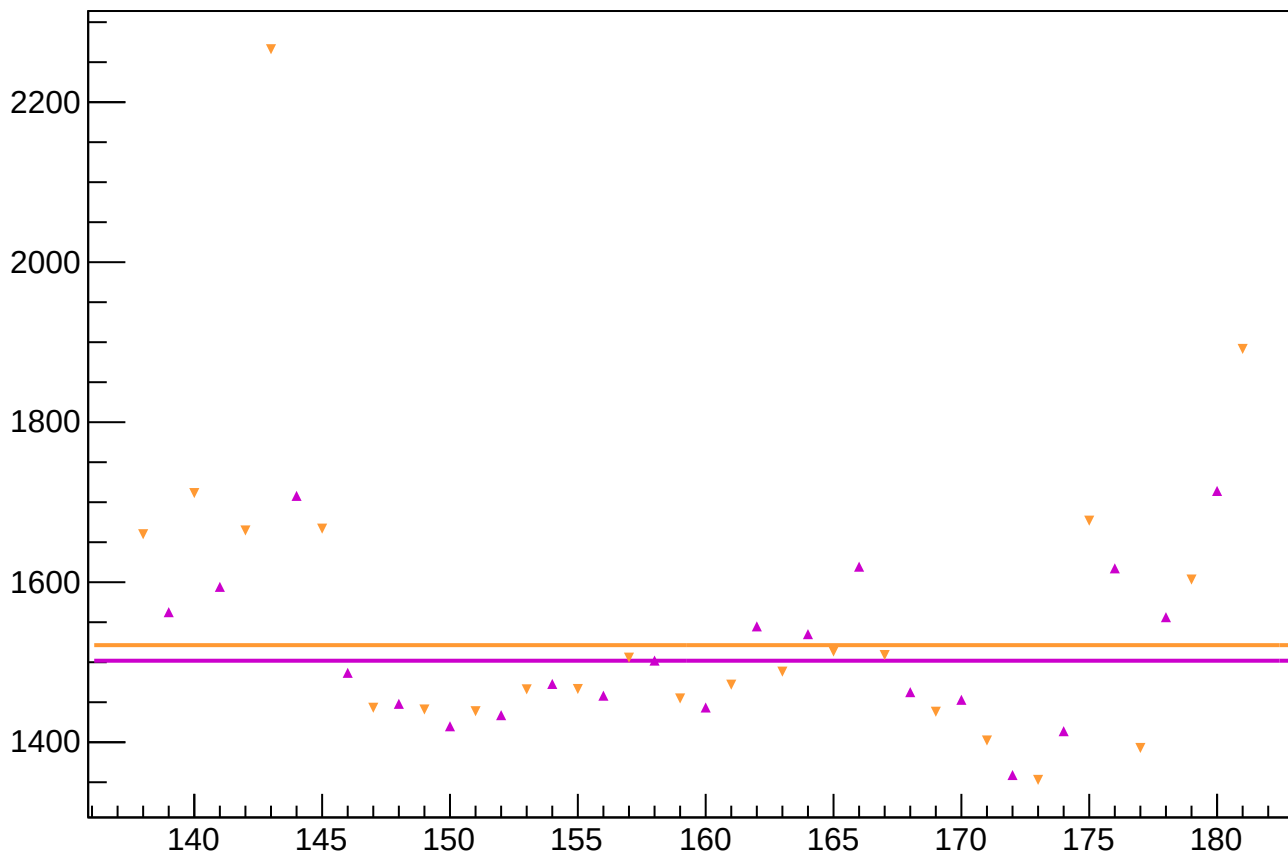
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2742.147+/-371.140 χ^2/NDF :22.0/20

Out: 1365.377+/-367.832 χ^2/NDF :23.9/22

All: 2047.600+/-261.258 χ^2/NDF : 52.8/43

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: 1521.352+/-0.260 χ^2/NDF :346738.5/22

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

Left In: 1501.886+/-0.262 χ^2/NDF :118804.2/20

Left: 1511.706+/-0.185 χ^2/NDF : 468318.2/43

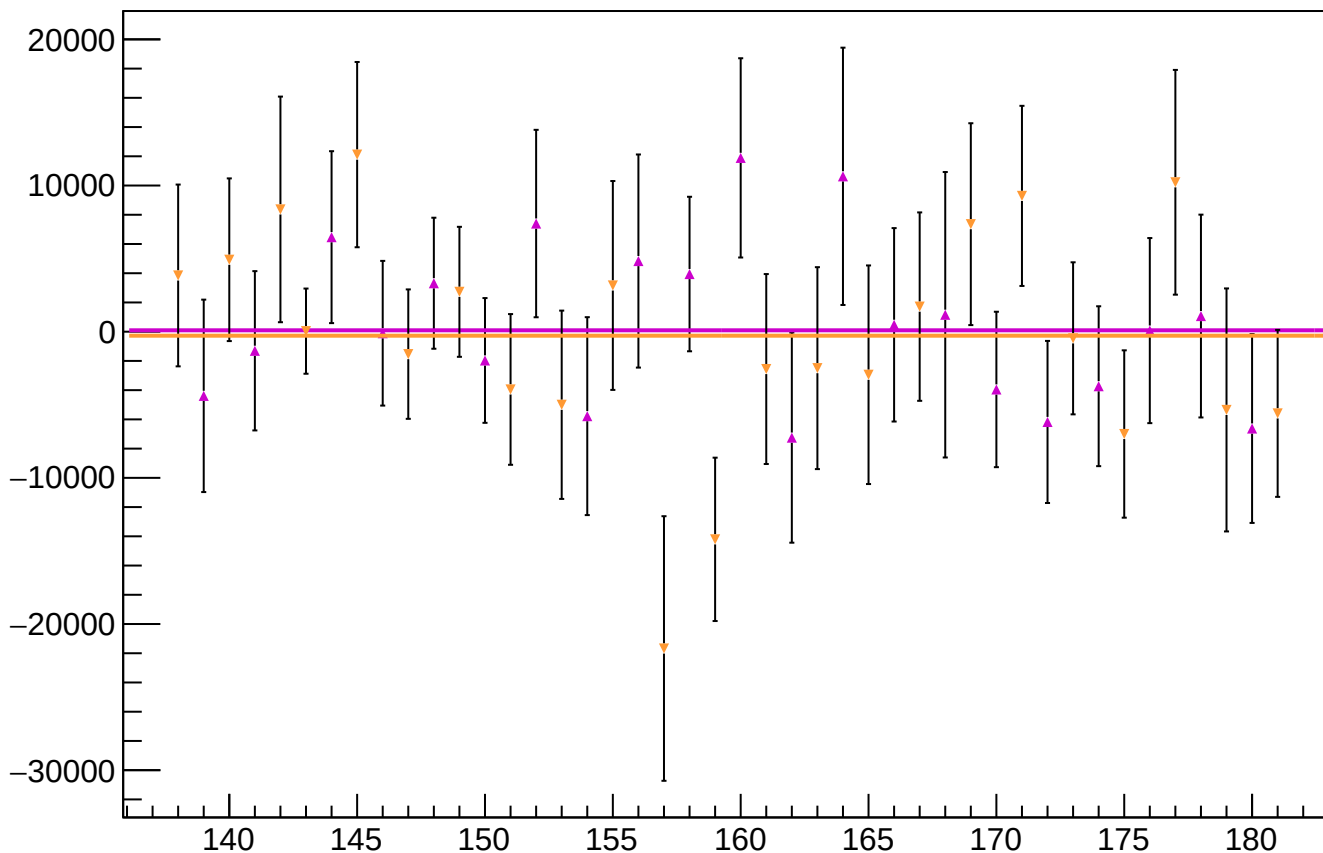
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1501.886+/-0.262 χ^2/NDF :118804.2/20

Out: 1521.352+/-0.260 χ^2/NDF :346738.5/22

All: 1511.706+/-0.185 χ^2/NDF : 468318.2/43

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: -273.613+/-1188.350 χ^2/NDF :28.6/22

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

Left In: 95.306+/-1301.842 χ^2/NDF :14.4/20

Left: -105.932+/-877.676 χ^2/NDF : 43.0/43

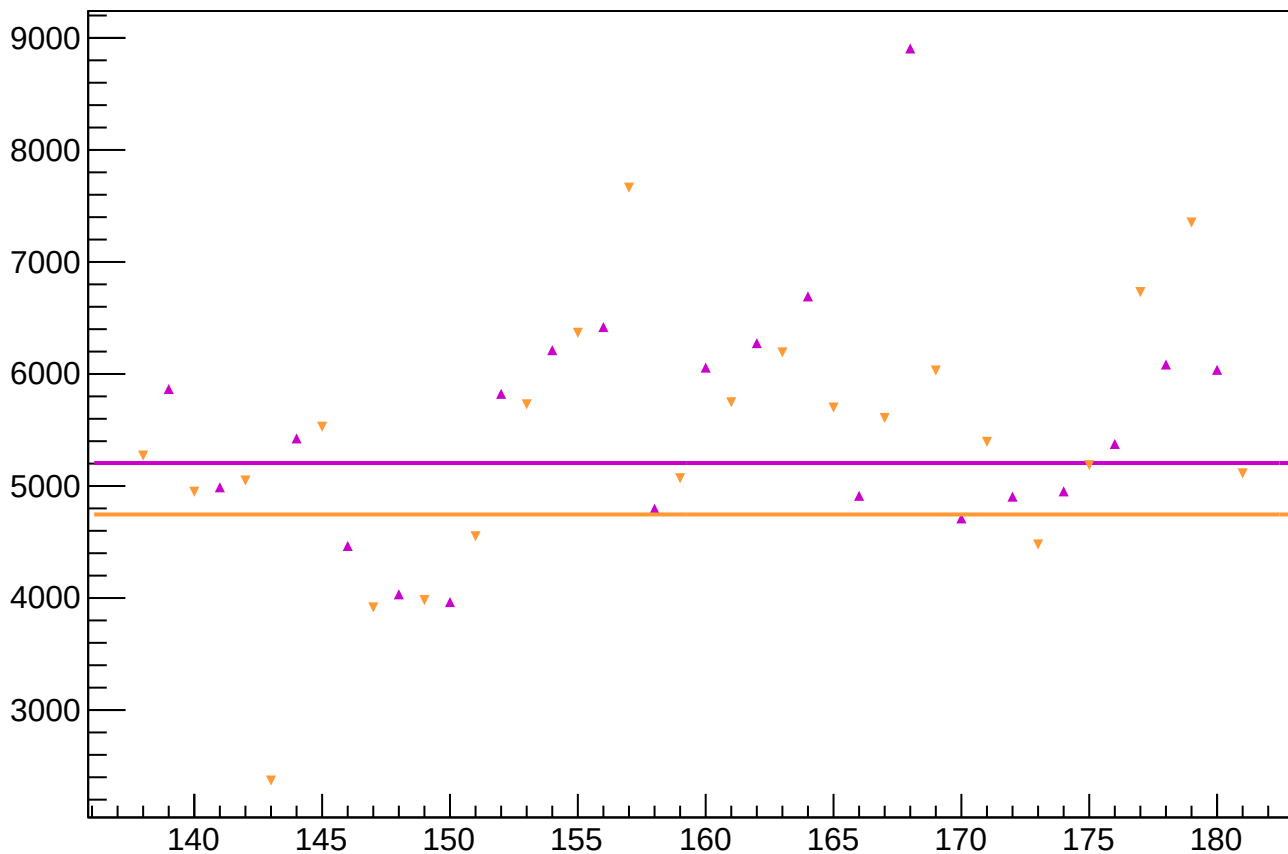
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 95.306+/-1301.842 χ^2/NDF :14.4/20

Out: -273.613+/-1188.350 χ^2/NDF :28.6/22

All: -105.932+/-877.676 χ^2/NDF : 43.0/43

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: 4745.960+/-0.840 χ^2/NDF :2525915.5/22

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

Left In: 5205.212+/-0.921 χ^2/NDF :1025063.3/20

Left: 4954.698+/-0.621 χ^2/NDF : 3686746.6/43

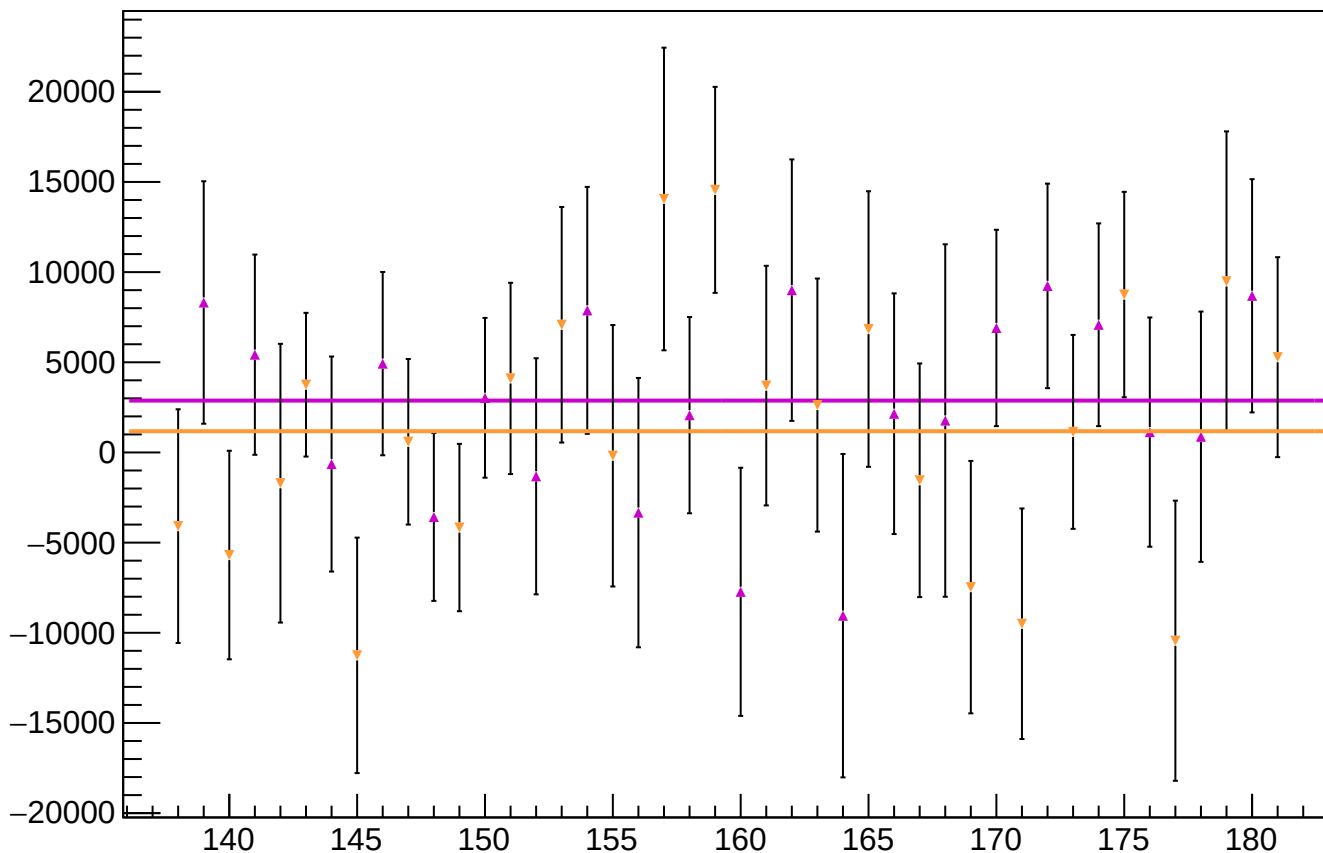
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 5205.212+/-0.921 χ^2/NDF :1025063.3/20

Out: 4745.960+/-0.840 χ^2/NDF :2525915.5/22

All: 4954.698+/-0.621 χ^2/NDF : 3686746.6/43

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: 1178.022+/-1258.389 χ^2/NDF : 27.4/22

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

Left In: 2876.280+/-1328.776 χ^2/NDF : 13.2/20

Left: 1980.982+/-913.686 χ^2/NDF : 41.4/43

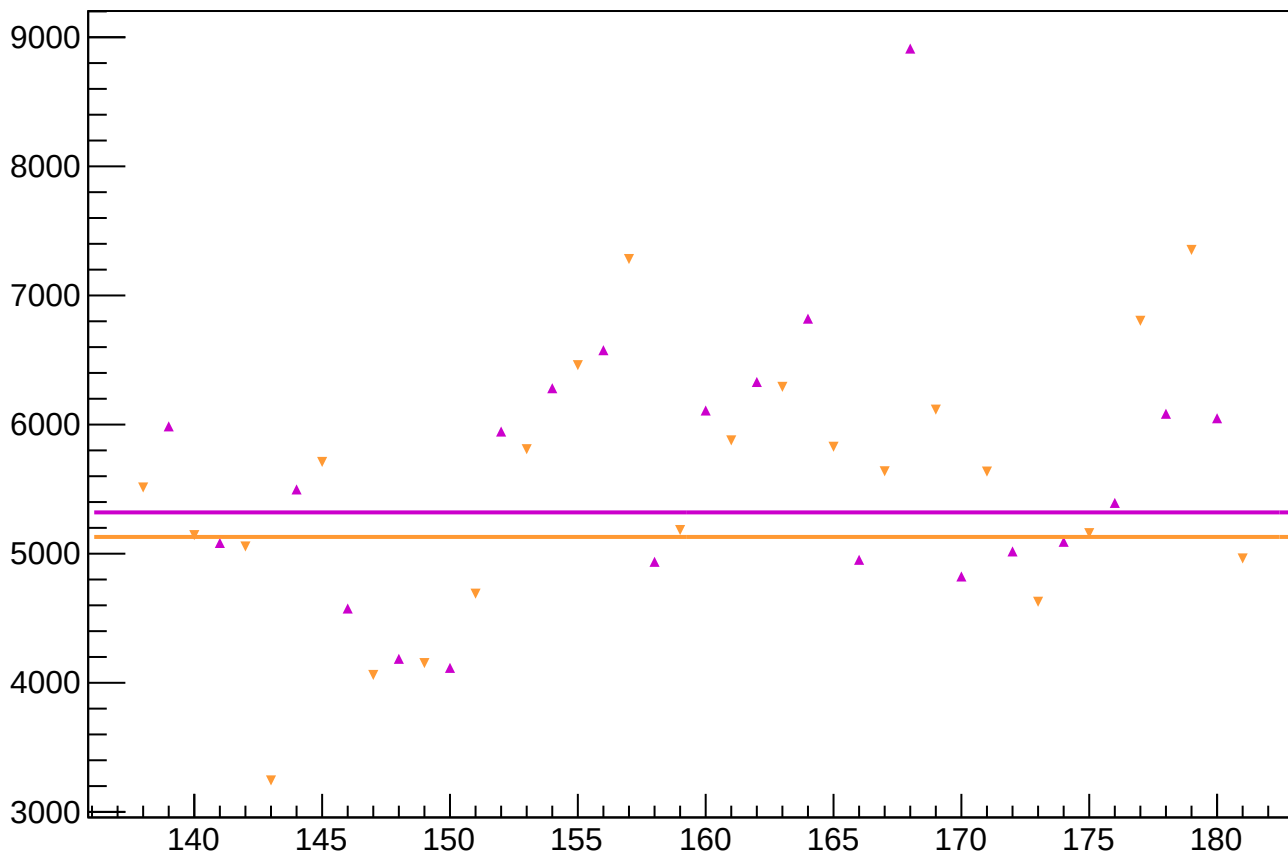
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2876.280+/-1328.776 χ^2/NDF : 13.2/20

Out: 1178.022+/-1258.389 χ^2/NDF : 27.4/22

All: 1980.982+/-913.686 χ^2/NDF : 41.4/43

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: 5129.726+/-0.890 χ^2/NDF :1319277.5/22

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

Left In: 5319.808+/-0.940 χ^2/NDF :931775.4/20

Left: 5219.599+/-0.646 χ^2/NDF : 2272629.0/43

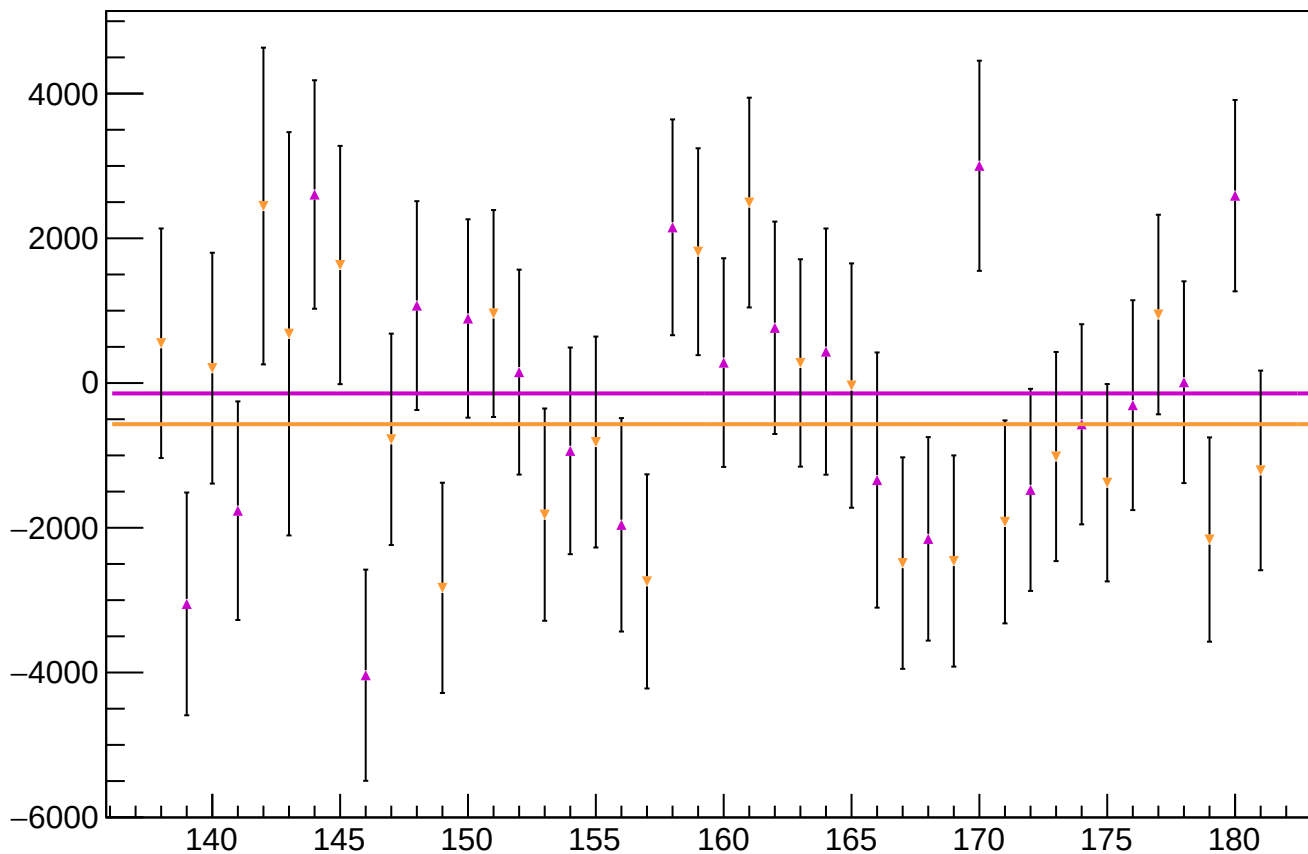
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 5319.808+/-0.940 χ^2/NDF :931775.4/20

Out: 5129.726+/-0.890 χ^2/NDF :1319277.5/22

All: 5219.599+/-0.646 χ^2/NDF : 2272629.0/43

dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



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

Left Out: -568.273 $\pm$ 314.021 χ^2 /NDF:26.3/22

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

Left In: -143.365 $\pm$ 318.899 χ^2 /NDF:33.5/20

Left: -359.093 $\pm$ 223.751 χ^2 /NDF: 60.7/43

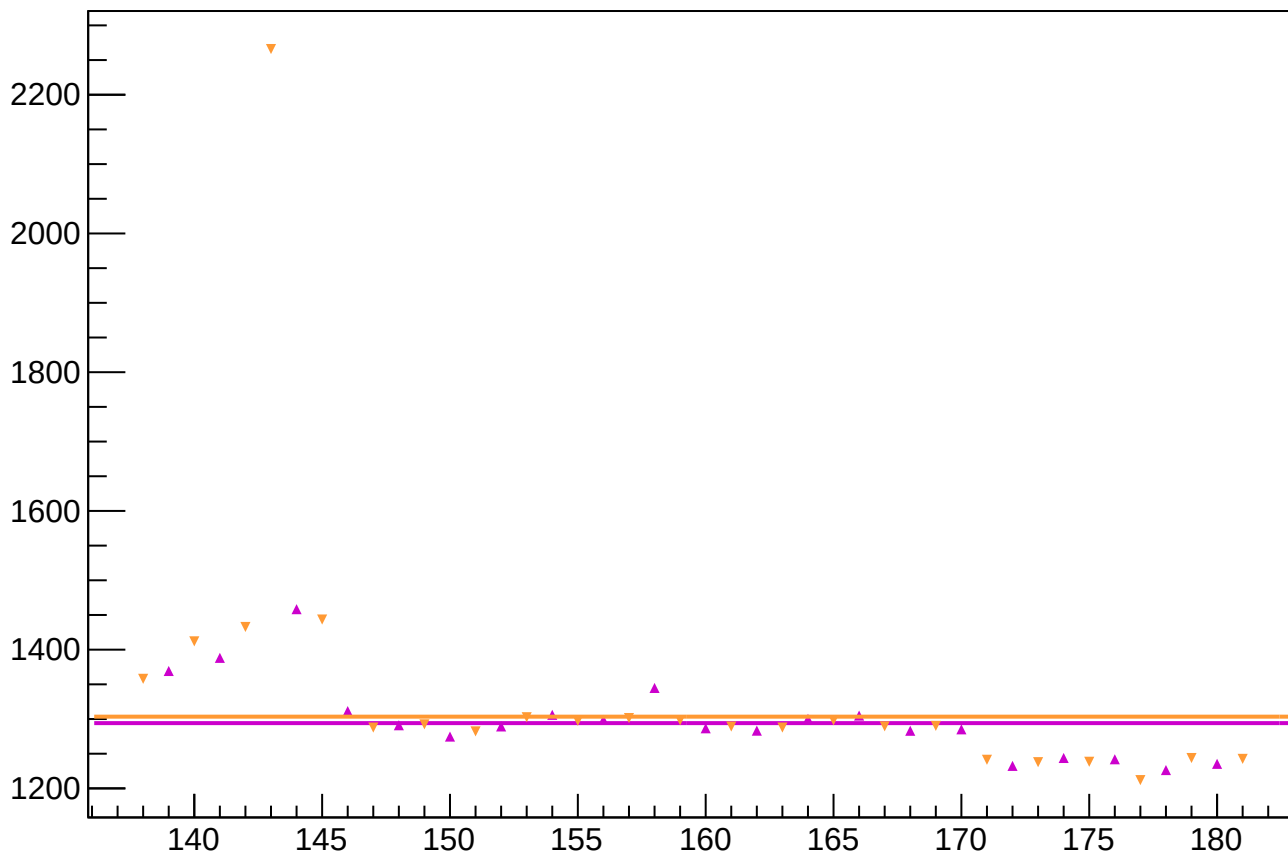
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -143.365 $\pm$ 318.899 χ^2 /NDF:33.5/20

Out: -568.273 $\pm$ 314.021 χ^2 /NDF:26.3/22

All: -359.093 $\pm$ 223.751 χ^2 /NDF: 60.7/43

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: 1303.412+/-0.222 χ^2/NDF :302254.0/22

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

Left In: 1294.093+/-0.225 χ^2/NDF :55610.4/20

Left: 1298.825+/-0.158 χ^2/NDF : 358731.5/43

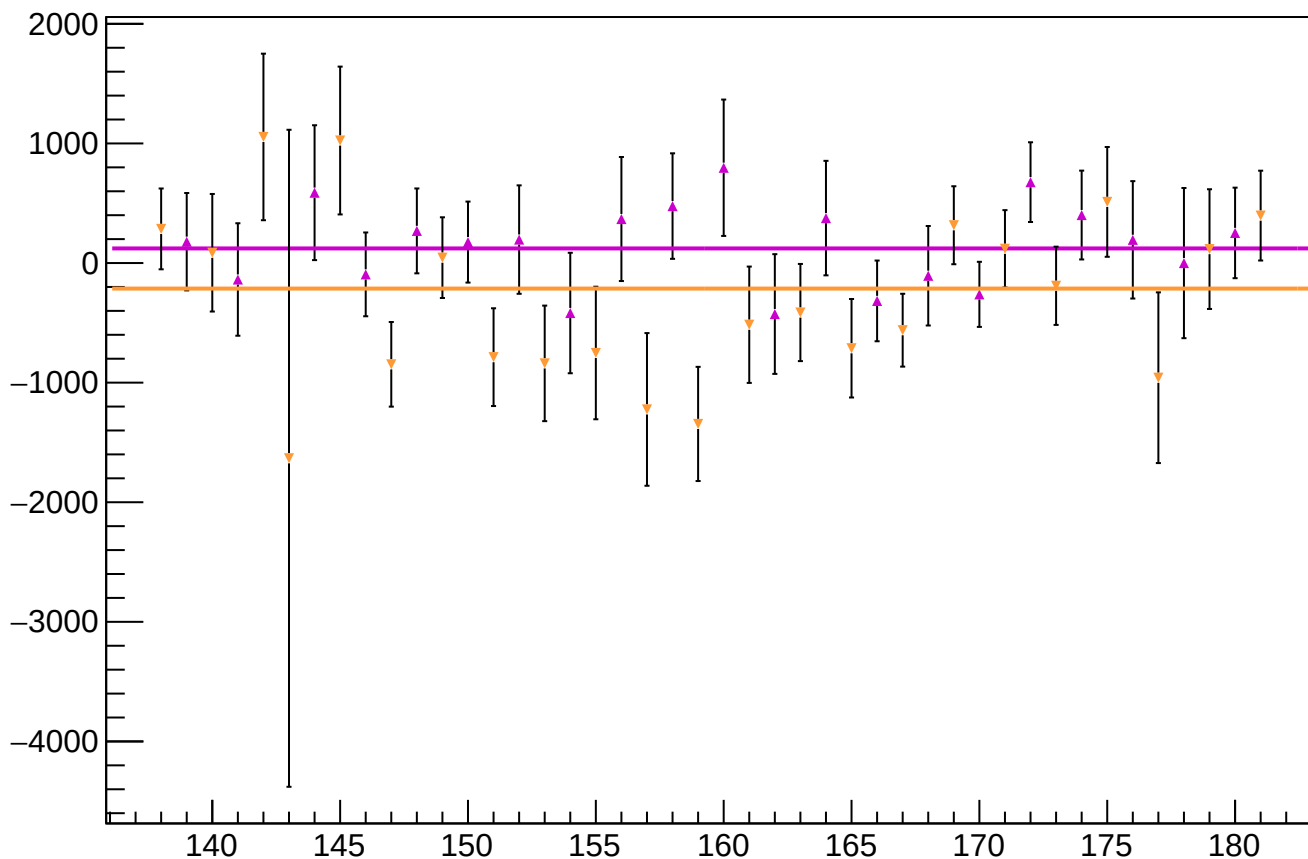
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1294.093+/-0.225 χ^2/NDF :55610.4/20

Out: 1303.412+/-0.222 χ^2/NDF :302254.0/22

All: 1298.825+/-0.158 χ^2/NDF : 358731.5/43

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: -213.522+/-88.407 χ^2/NDF :40.4/22

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

Left In: 122.113+/-89.229 χ^2/NDF :14.0/20

Left: -47.258+/-62.802 χ^2/NDF : 61.6/43

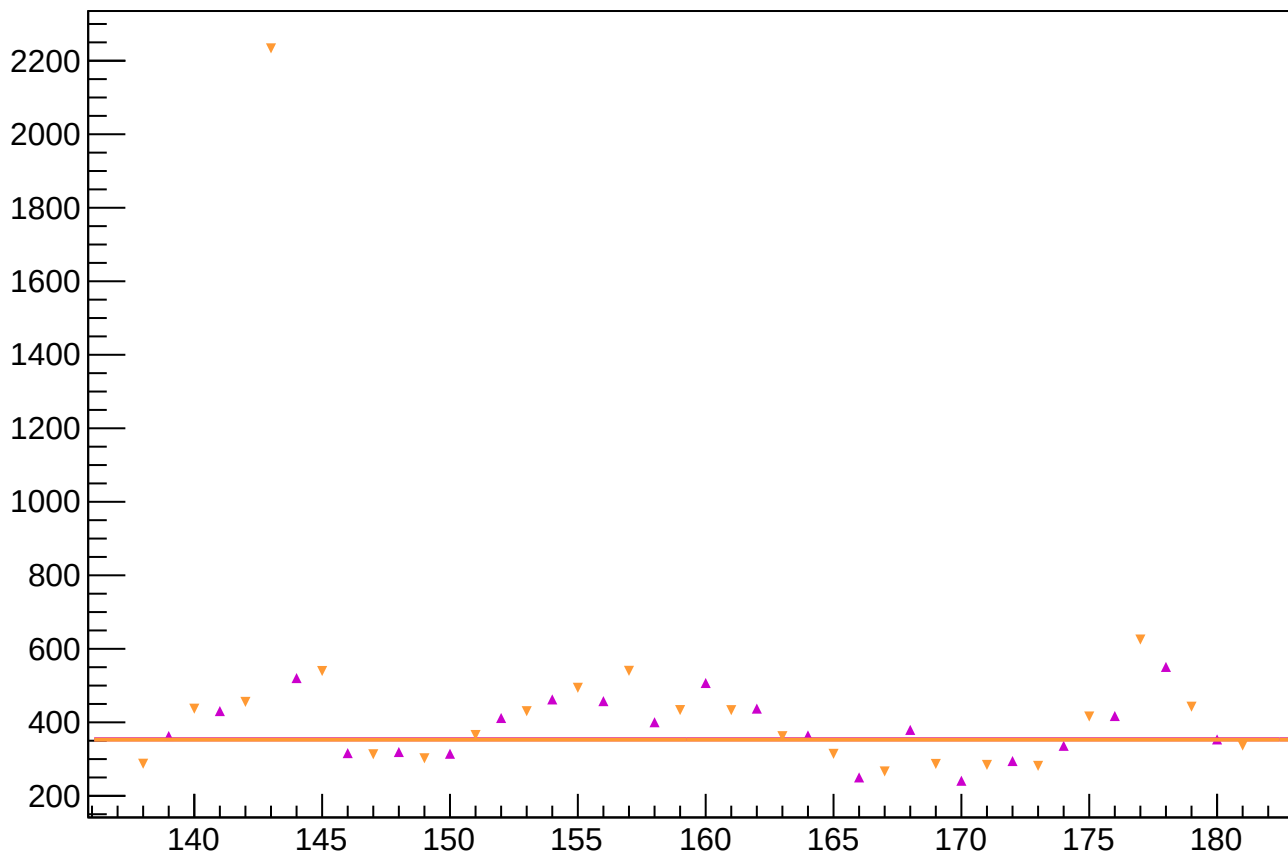
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 122.113+/-89.229 χ^2/NDF :14.0/20

Out: -213.522+/-88.407 χ^2/NDF :40.4/22

All: -47.258+/-62.802 χ^2/NDF : 61.6/43

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: 352.919+/-0.063 χ^2/NDF :2678940.7/22

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

Left In: 353.887+/-0.063 χ^2/NDF :1563952.9/20

Left: 353.399+/-0.044 χ^2/NDF : 4243012.6/43

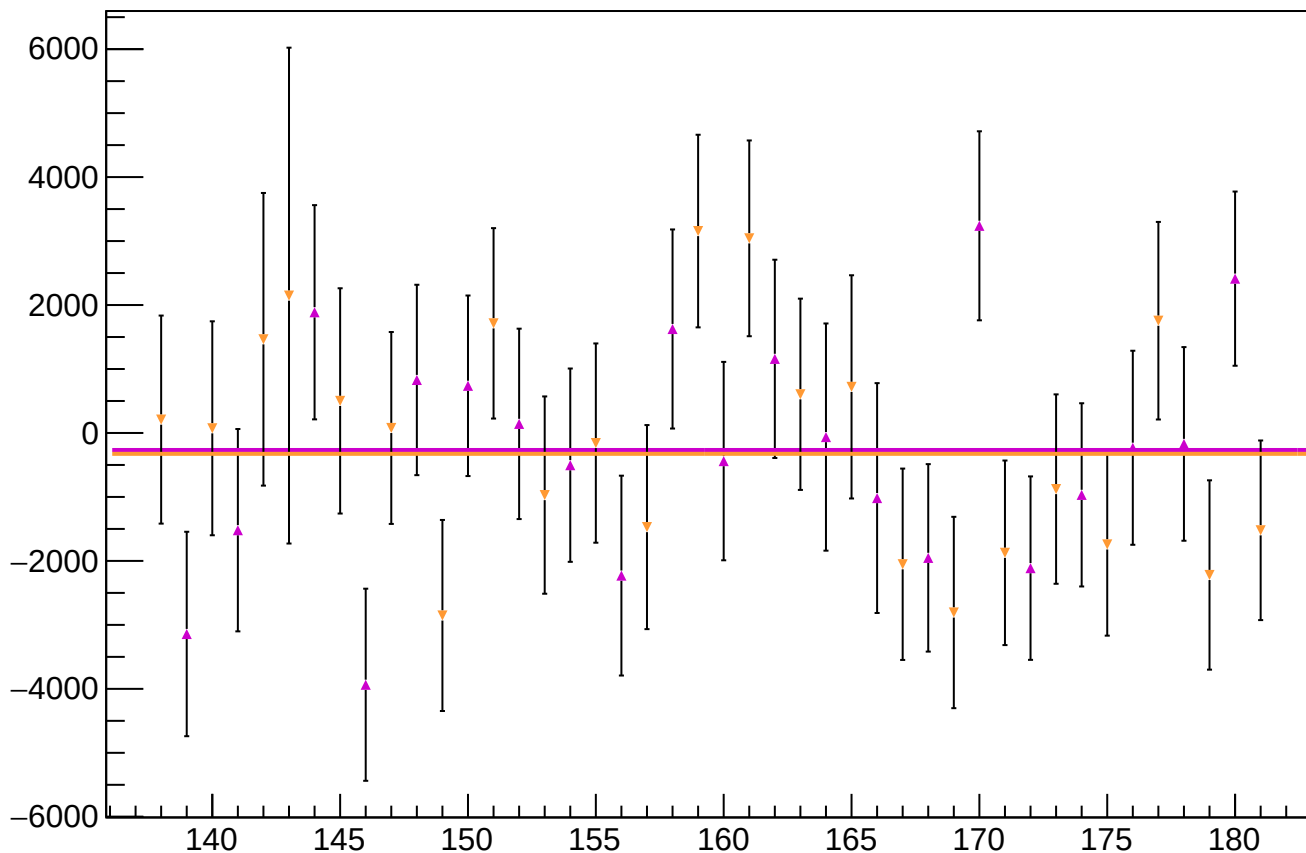
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 353.887+/-0.063 χ^2/NDF :1563952.9/20

Out: 352.919+/-0.063 χ^2/NDF :2678940.7/22

All: 353.399+/-0.044 χ^2/NDF : 4243012.6/43

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: -326.143+/-329.043 χ^2/NDF :28.4/22

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

Left In: -265.948+/-332.857 χ^2/NDF :29.5/20

Left: -296.392+/-234.005 χ^2/NDF : 57.9/43

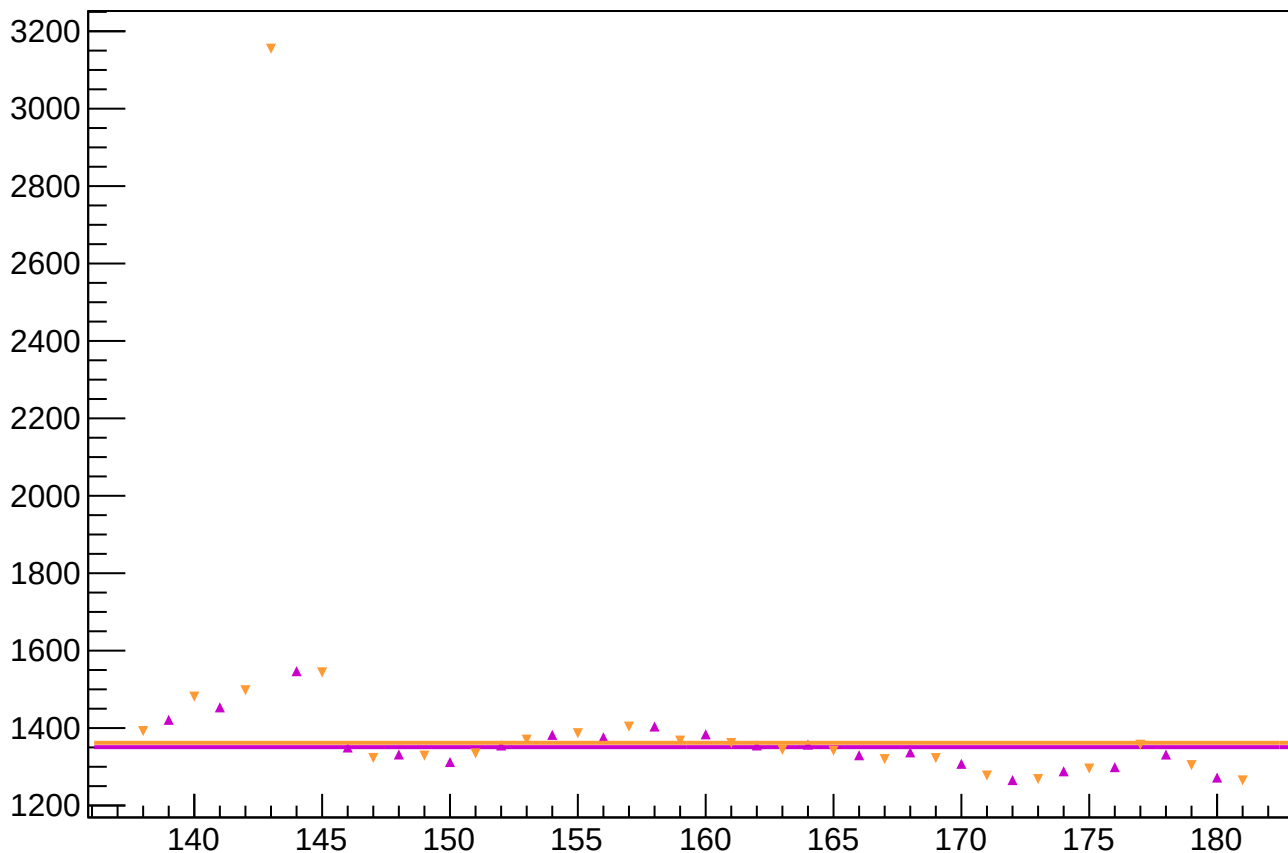
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -265.948+/-332.857 χ^2/NDF :29.5/20

Out: -326.143+/-329.043 χ^2/NDF :28.4/22

All: -296.392+/-234.005 χ^2/NDF : 57.9/43

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: 1361.946+/-0.233 χ^2/NDF :507697.6/22

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

Left In: 1350.649+/-0.235 χ^2/NDF :68623.2/20

Left: 1356.362+/-0.165 χ^2/NDF : 577486.0/43

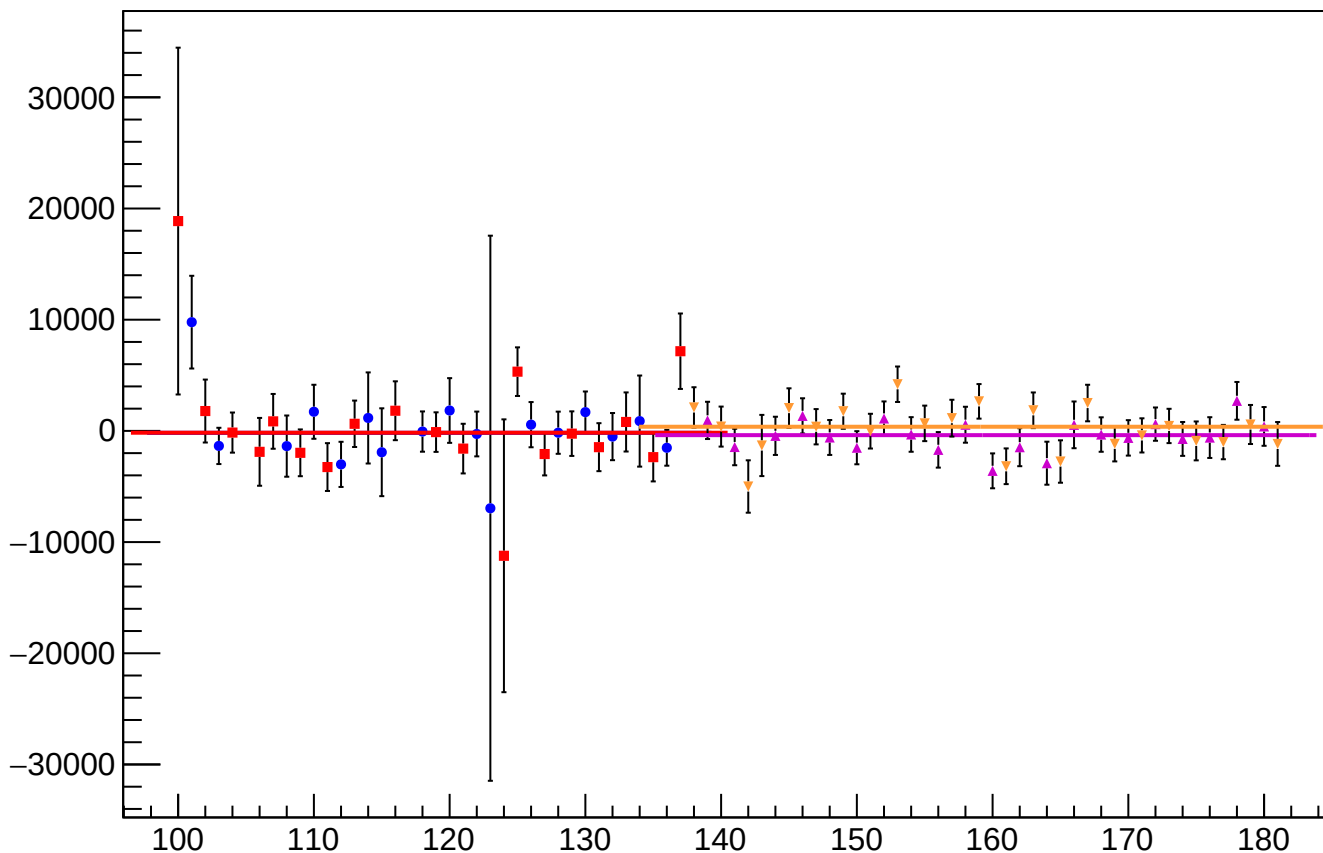
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1350.649+/-0.235 χ^2/NDF :68623.2/20

Out: 1361.946+/-0.233 χ^2/NDF :507697.6/22

All: 1356.362+/-0.165 χ^2/NDF : 577486.0/43

dit_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -174.841 $\pm$ 554.659 χ^2 /NDF: 11.8/16

Left Out: 373.605 $\pm$ 353.436 χ^2 /NDF:29.7/22

Right Out: -164.937 $\pm$ 540.101 χ^2 /NDF: 20.7/18

Left In: -382.764 $\pm$ 357.162 χ^2 /NDF:15.3/20

Left: -0.614 $\pm$ 251.224 χ^2 /NDF: 47.3/43

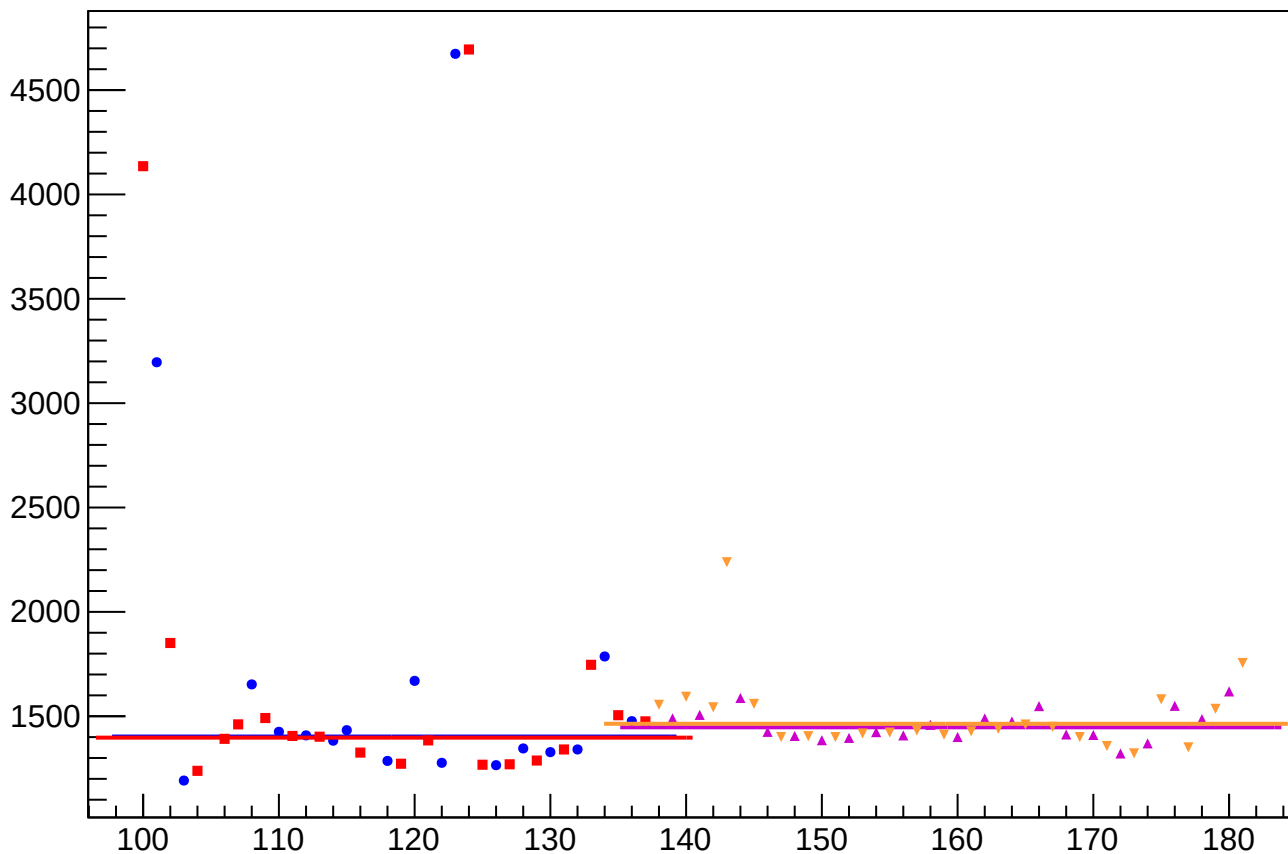
Right: -169.758 $\pm$ 386.953 χ^2 /NDF: 32.4/35

In: -321.820 $\pm$ 300.290 χ^2 /NDF:27.2/37

Out: 212.134 $\pm$ 295.742 χ^2 /NDF:51.0/41

All: -50.769 $\pm$ 210.711 χ^2 /NDF: 79.8/79

dit_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 1402.709 $\pm$ 0.392 χ^2 /NDF: 526326.4/16

Left Out: 1463.854 $\pm$ 0.250 χ^2 /NDF: 295131.9/22

Right Out: 1397.442 $\pm$ 0.382 χ^2 /NDF: 353365.4/18

Left In: 1446.881 $\pm$ 0.253 χ^2 /NDF: 82570.4/20

Left: 1455.456 $\pm$ 0.178 χ^2 /NDF: 379984.4/43

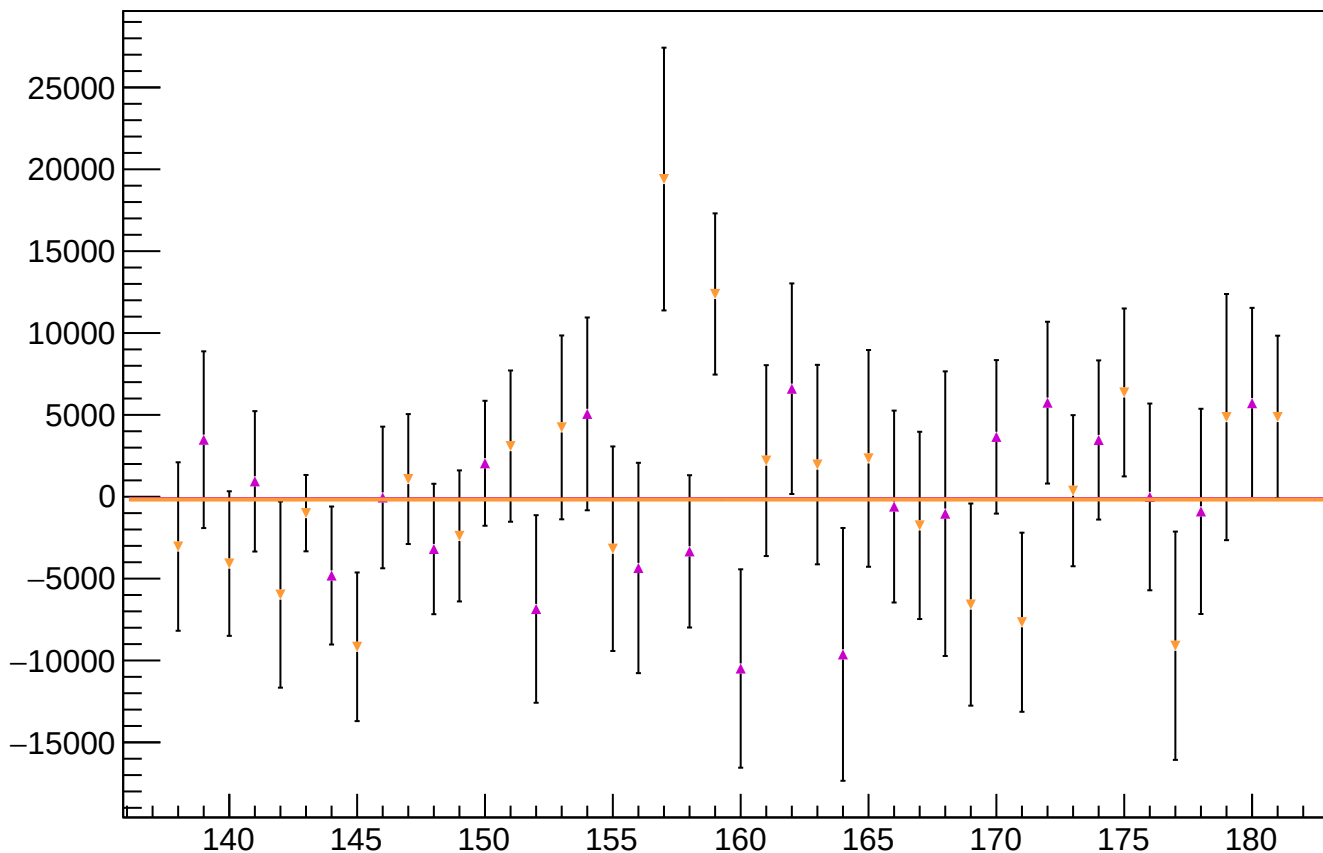
Right: 1400.004 $\pm$ 0.274 χ^2 /NDF: 879784.5/35

In: 1433.933 $\pm$ 0.212 χ^2 /NDF: 617863.3/37

Out: 1443.926 $\pm$ 0.209 χ^2 /NDF: 669687.0/41

All: 1439.007 $\pm$ 0.149 χ^2 /NDF: 1288674.7/79

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: -167.764+/-1014.036 χ^2/NDF :28.6/22

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

Left In: -139.965+/-1128.703 χ^2/NDF :14.9/20

Left: -155.348+/-754.324 χ^2/NDF : 43.5/43

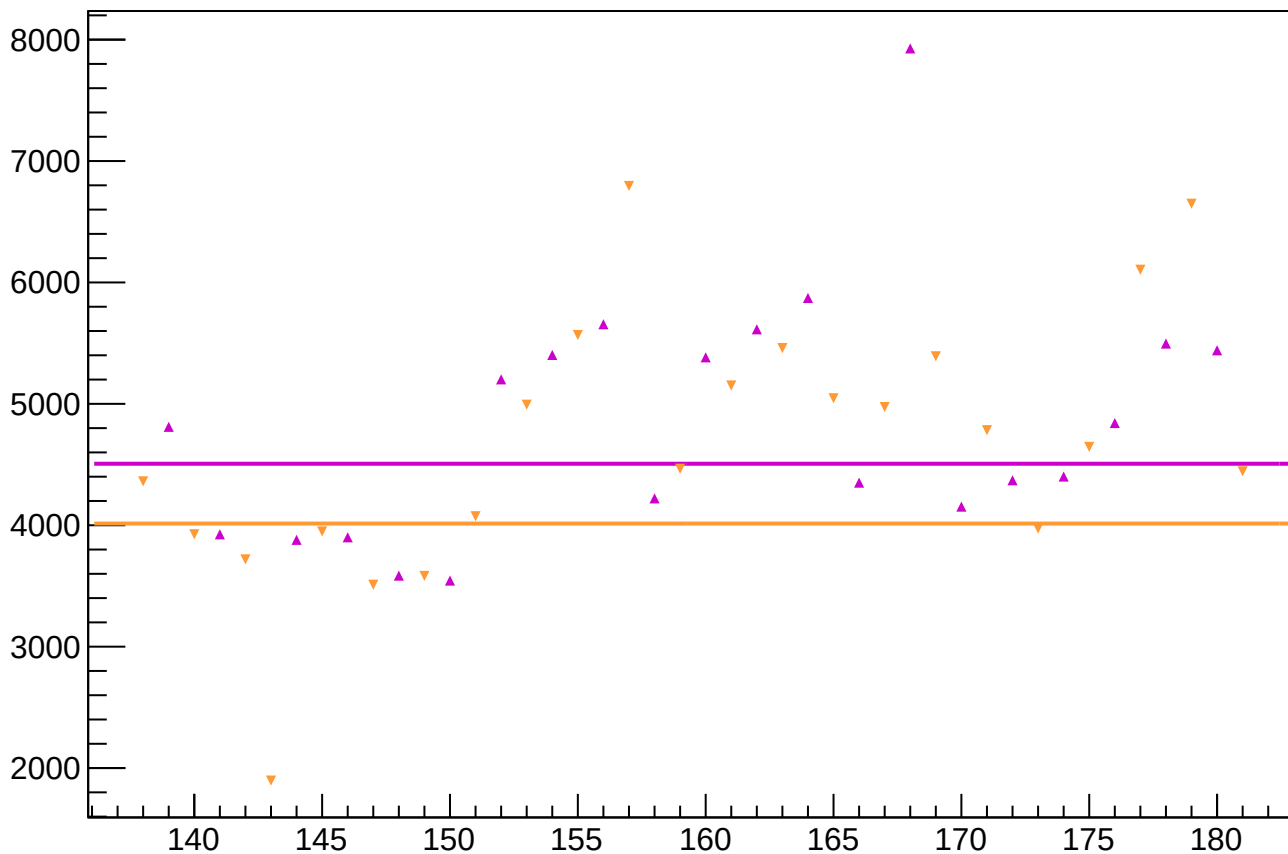
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -139.965+/-1128.703 χ^2/NDF :14.9/20

Out: -167.764+/-1014.036 χ^2/NDF :28.6/22

All: -155.348+/-754.324 χ^2/NDF : 43.5/43

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: 4013.985+/-0.717 χ^2/NDF :3064667.5/22

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

Left In: 4506.691+/-0.798 χ^2/NDF :1105142.8/20

Left: 4234.046+/-0.533 χ^2/NDF : 4380700.1/43

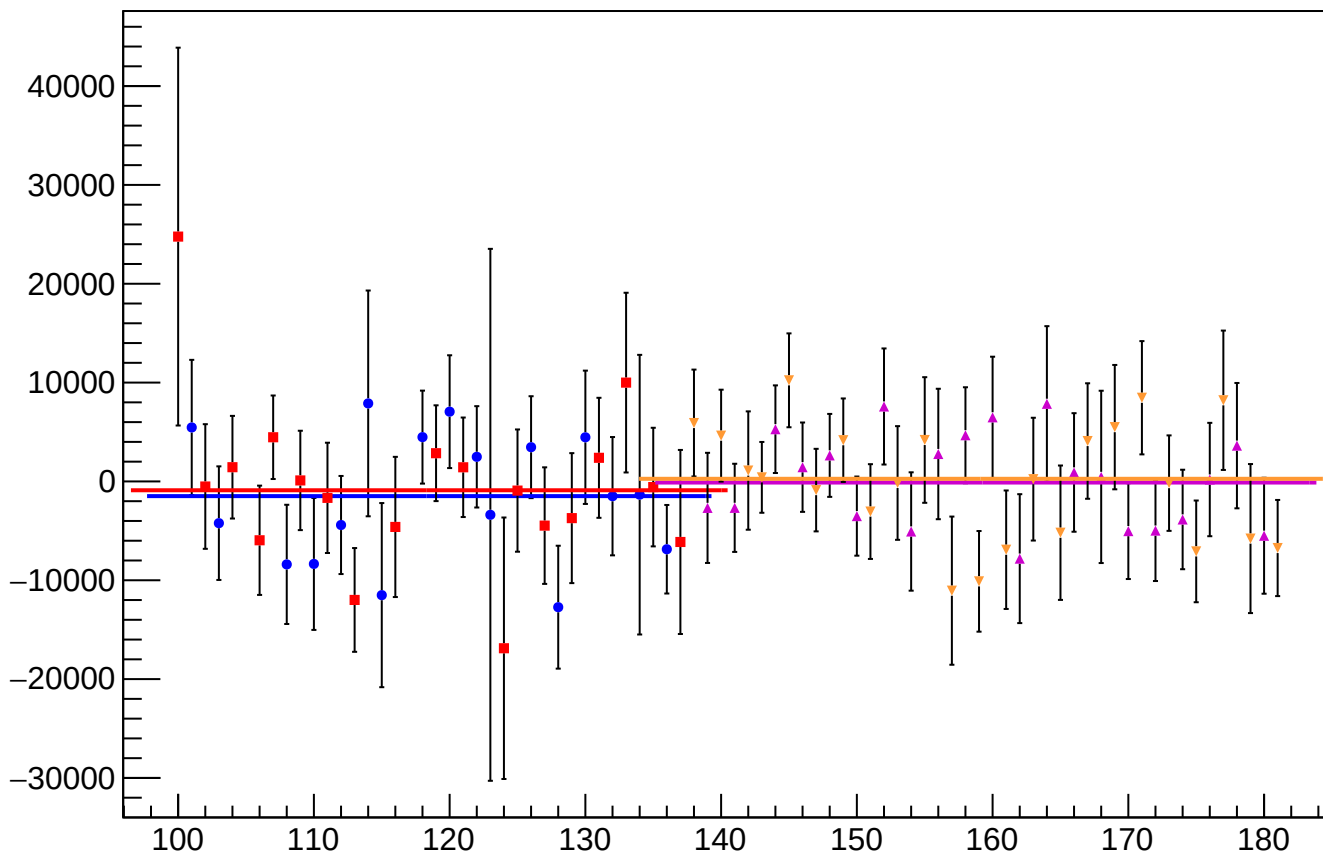
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 4506.691+/-0.798 χ^2/NDF :1105142.8/20

Out: 4013.985+/-0.717 χ^2/NDF :3064667.5/22

All: 4234.046+/-0.533 χ^2/NDF : 4380700.1/43

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1487.038+/-1499.116 χ^2/NDF : 16.7/16

Left Out: 265.701+/-1104.343 χ^2/NDF : 25.9/22

Right Out: -894.160+/-1378.910 χ^2/NDF : 14.1/18

Left In: -113.600+/-1165.804 χ^2/NDF : 14.1/20

Left: 86.312+/-801.736 χ^2/NDF : 40.1/43

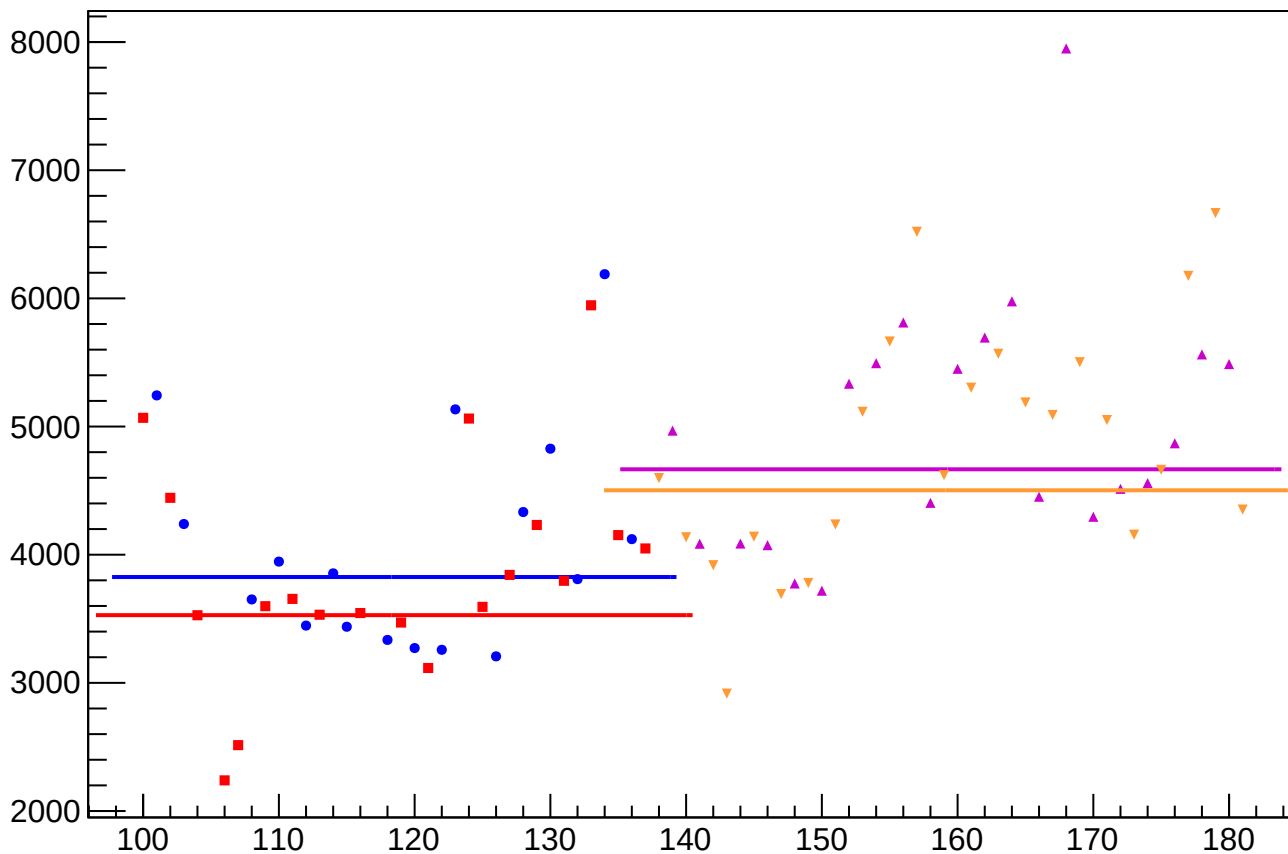
Right: -1165.879+/-1014.876 χ^2/NDF : 30.9/35

In: -631.183+/-920.282 χ^2/NDF : 31.3/37

Out: -187.535+/-861.976 χ^2/NDF : 40.5/41

All: -394.861+/-629.112 χ^2/NDF : 71.9/79

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: 4502.533+/-0.781 χ^2/NDF :1306579.7/22

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

Left In: 4666.443+/-0.824 χ^2/NDF :961017.6/20

Left: 4580.054+/-0.567 χ^2/NDF : 2288434.8/43

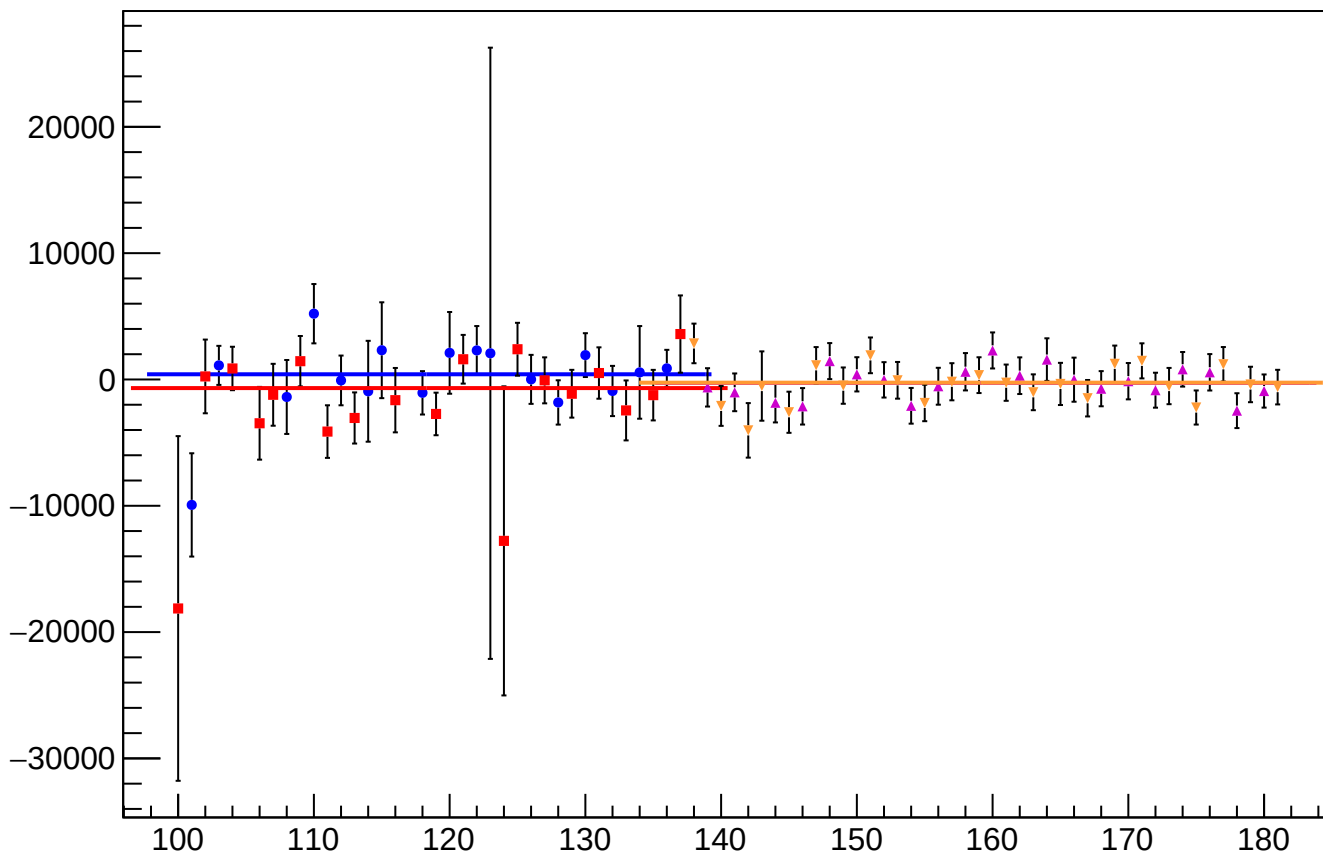
Right: 3663.316+/-0.714 χ^2/NDF : 932858.8/35

In: 4349.651+/-0.651 χ^2/NDF :1687292.5/37

Out: 4117.586+/-0.607 χ^2/NDF :2477016.4/41

All: 4225.621+/-0.444 χ^2/NDF : 4232281.3/79

dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 411.419 ± 527.980 $\chi^2/\text{NDF}: 16.5/16$

Left Out: -254.349 ± 310.974 $\chi^2/\text{NDF}: 22.1/22$

Right Out: -682.176 ± 510.196 $\chi^2/\text{NDF}: 18.0/18$

Left In: -278.383 ± 315.698 $\chi^2/\text{NDF}: 15.4/20$

Left: -266.185 ± 221.543 $\chi^2/\text{NDF}: 37.5/43$

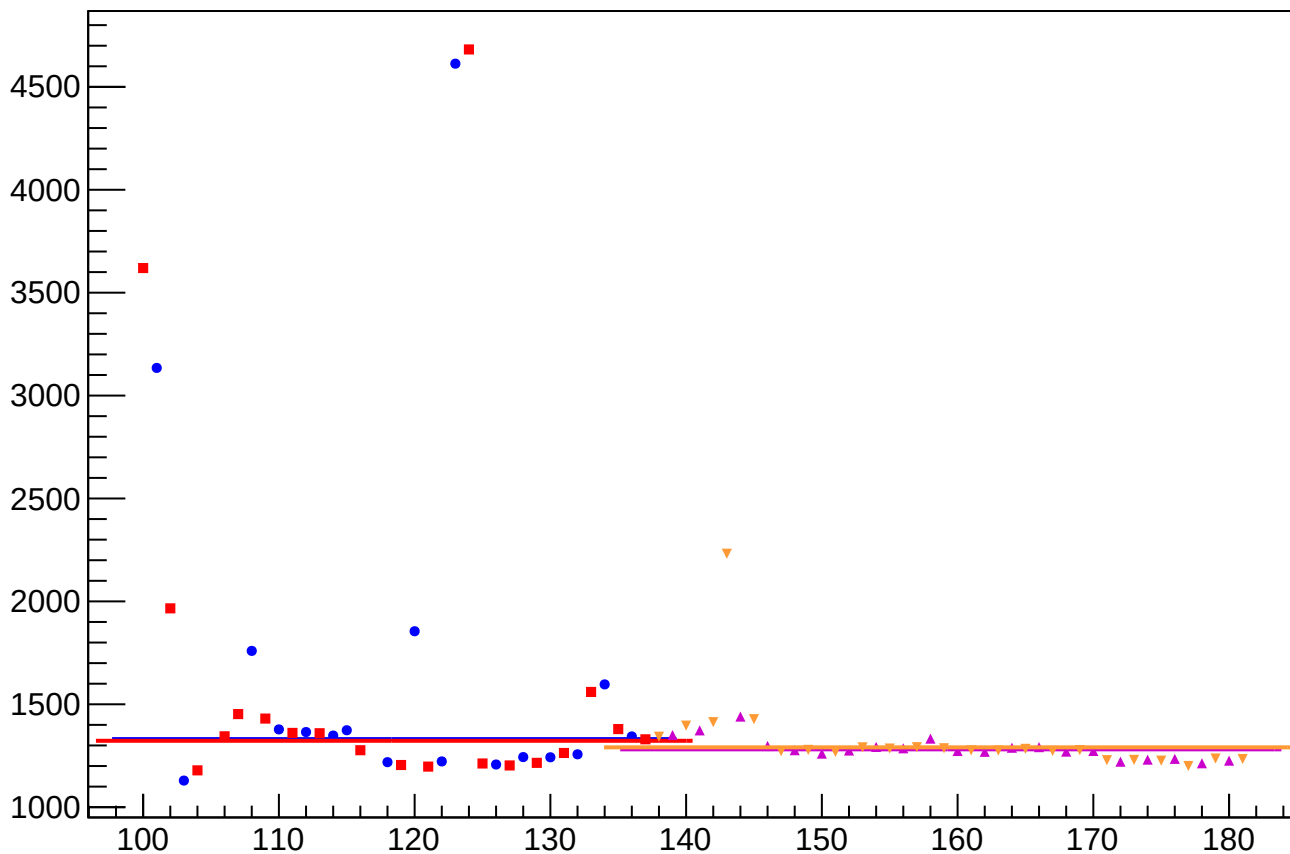
Right: -154.107 ± 366.889 $\chi^2/\text{NDF}: 36.8/35$

In: -96.712 ± 270.955 $\chi^2/\text{NDF}: 33.2/37$

Out: -370.238 ± 265.536 $\chi^2/\text{NDF}: 40.7/41$

All: -236.238 ± 189.649 $\chi^2/\text{NDF}: 74.4/79$

dit_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1330.889 $\pm$ 0.373 χ^2 /NDF: 603474.5/16

Left Out: 1290.782 $\pm$ 0.220 χ^2 /NDF: 296075.1/22

Right Out: 1322.706 $\pm$ 0.361 χ^2 /NDF: 394413.6/18

Left In: 1281.100 $\pm$ 0.223 χ^2 /NDF: 53378.2/20

Left: 1286.014 $\pm$ 0.157 χ^2 /NDF: 350408.2/43

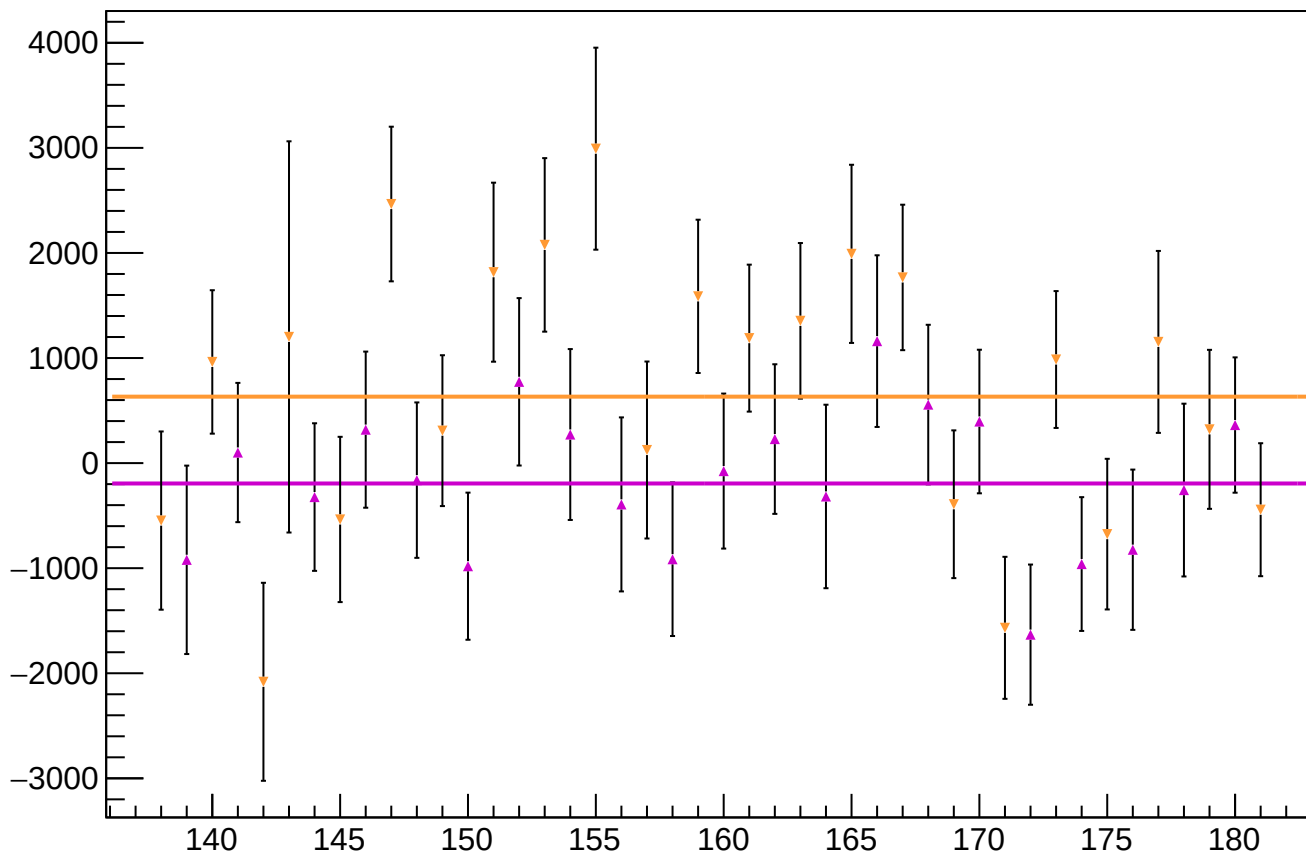
Right: 1326.657 $\pm$ 0.259 χ^2 /NDF: 998136.6/35

In: 1294.213 $\pm$ 0.192 χ^2 /NDF: 669954.2/37

Out: 1299.430 $\pm$ 0.188 χ^2 /NDF: 696198.0/41

All: 1296.874 $\pm$ 0.134 χ^2 /NDF: 1366530.4/79

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: 632.483+/-160.102 χ^2/NDF :58.9/22

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

Left In: -193.927+/-161.231 χ^2/NDF :17.9/20

Left: 222.180+/-113.606 χ^2/NDF : 90.0/43

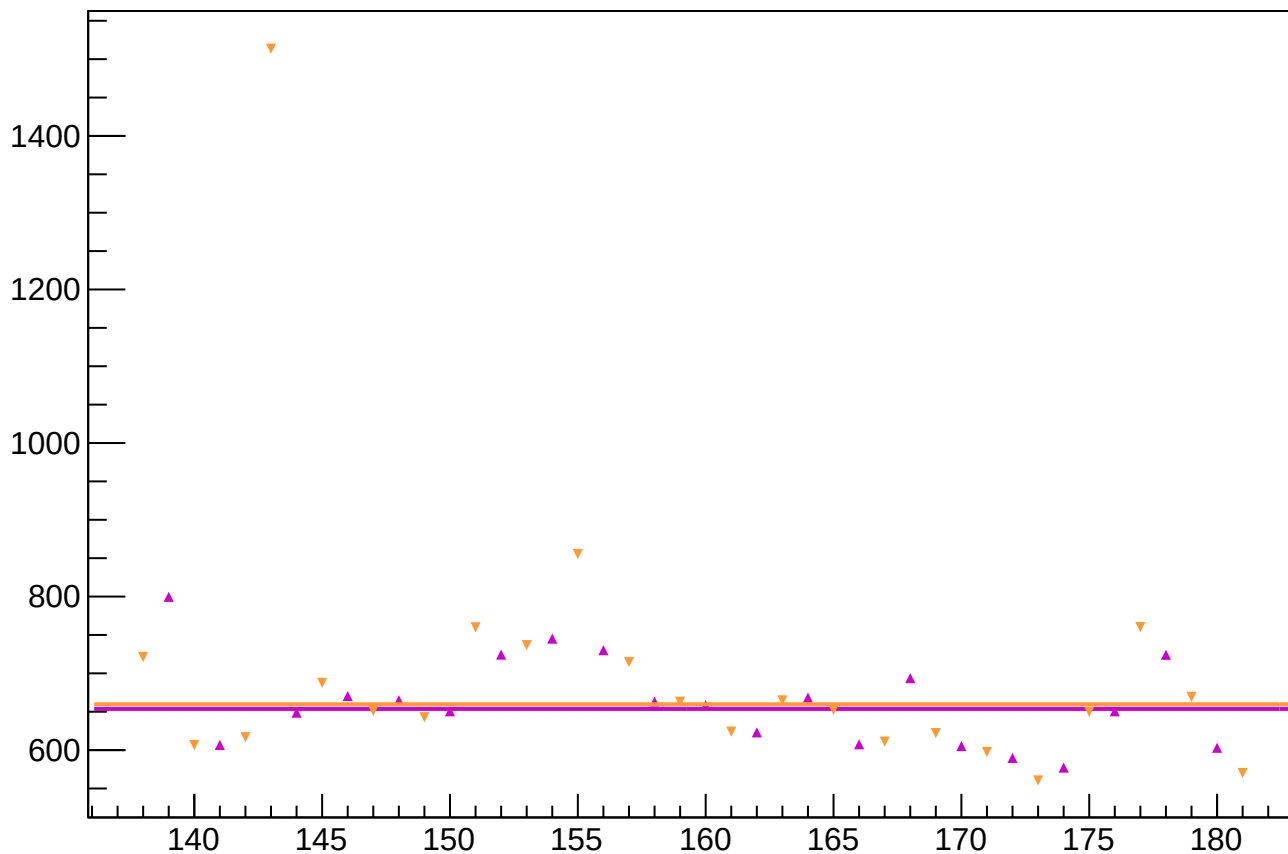
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -193.927+/-161.231 χ^2/NDF :17.9/20

Out: 632.483+/-160.102 χ^2/NDF :58.9/22

All: 222.180+/-113.606 χ^2/NDF : 90.0/43

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: 659.693+/-0.113 χ^2/NDF :740036.3/22

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

Left In: 653.642+/-0.114 χ^2/NDF :223693.0/20

Left: 656.689+/-0.080 χ^2/NDF : 965147.8/43

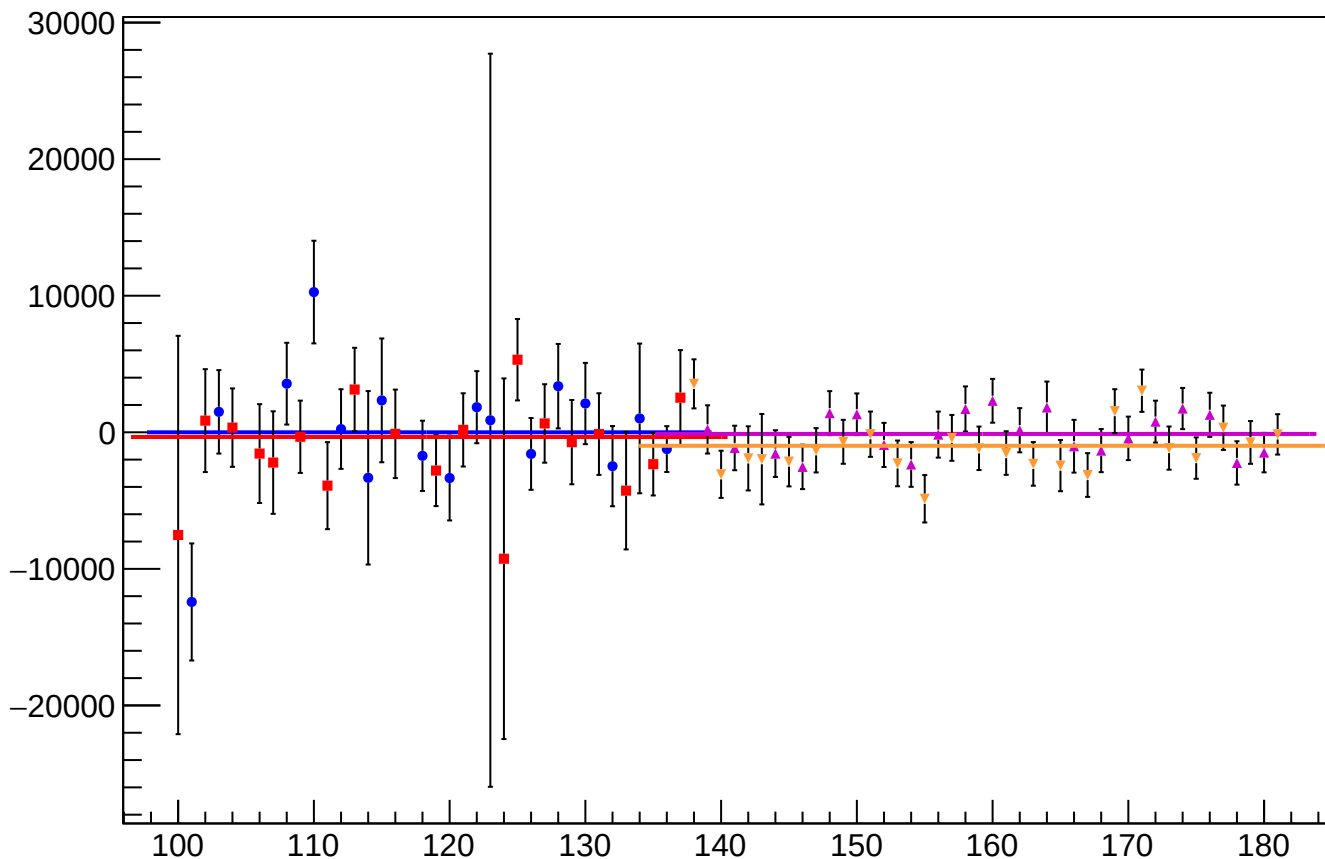
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 653.642+/-0.114 χ^2/NDF :223693.0/20

Out: 659.693+/-0.113 χ^2/NDF :740036.3/22

All: 656.689+/-0.080 χ^2/NDF : 965147.8/43

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: -988.519 ± 350.575 χ^2/NDF : 28.4/22

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

Left In: -120.689 ± 354.868 χ^2/NDF : 18.0/20

Left: -559.885 ± 249.398 χ^2/NDF : 49.4/43

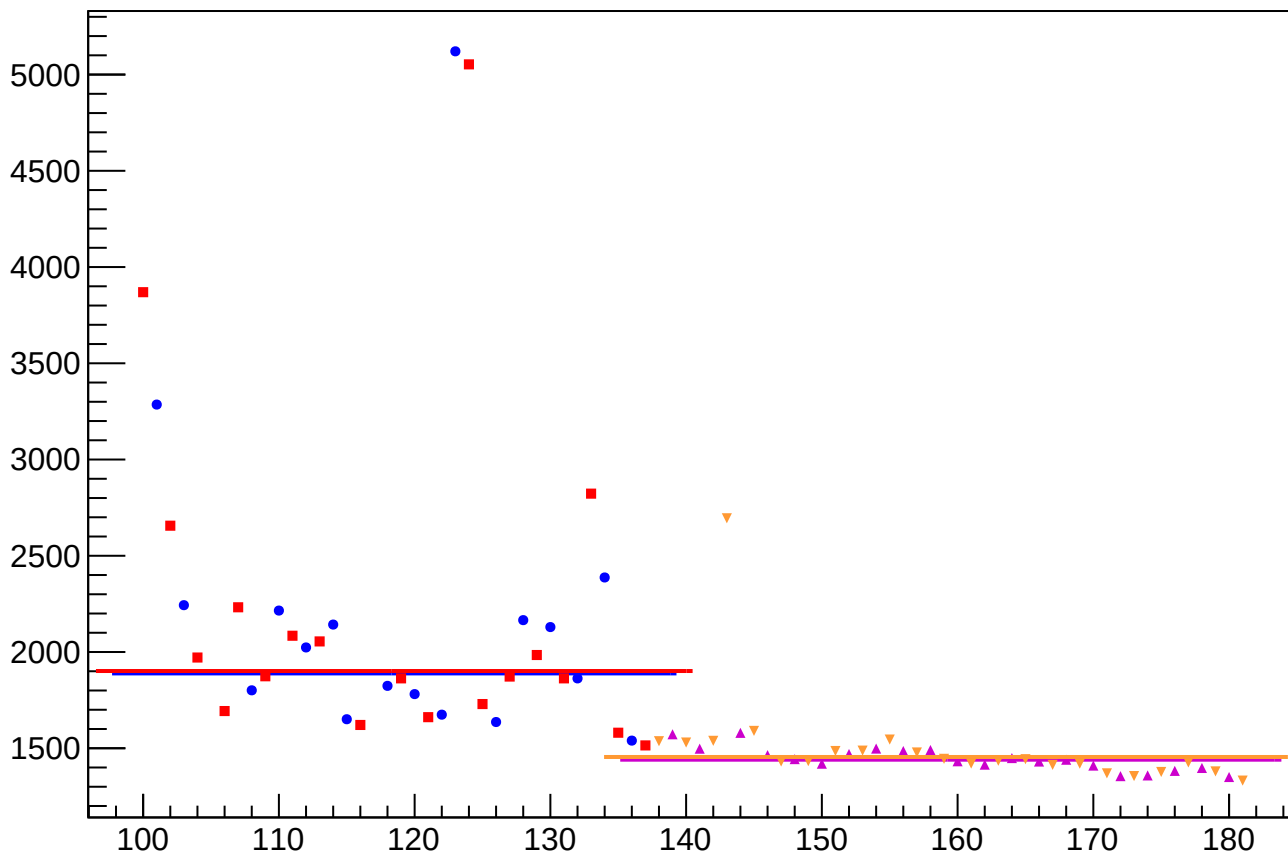
Right: -176.305 ± 522.783 χ^2/NDF : 34.3/35

In: -98.780 ± 320.384 χ^2/NDF : 41.5/37

Out: -868.940 ± 316.322 χ^2/NDF : 39.7/41

All: -488.772 ± 225.096 χ^2/NDF : 84.2/79

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



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

Left Out: 1454.624+/-0.248 χ^2/NDF : 352101.2/22

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

Left In: 1440.569+/-0.251 χ^2/NDF : 59459.4/20

Left: 1447.682+/-0.176 χ^2/NDF : 413148.5/43

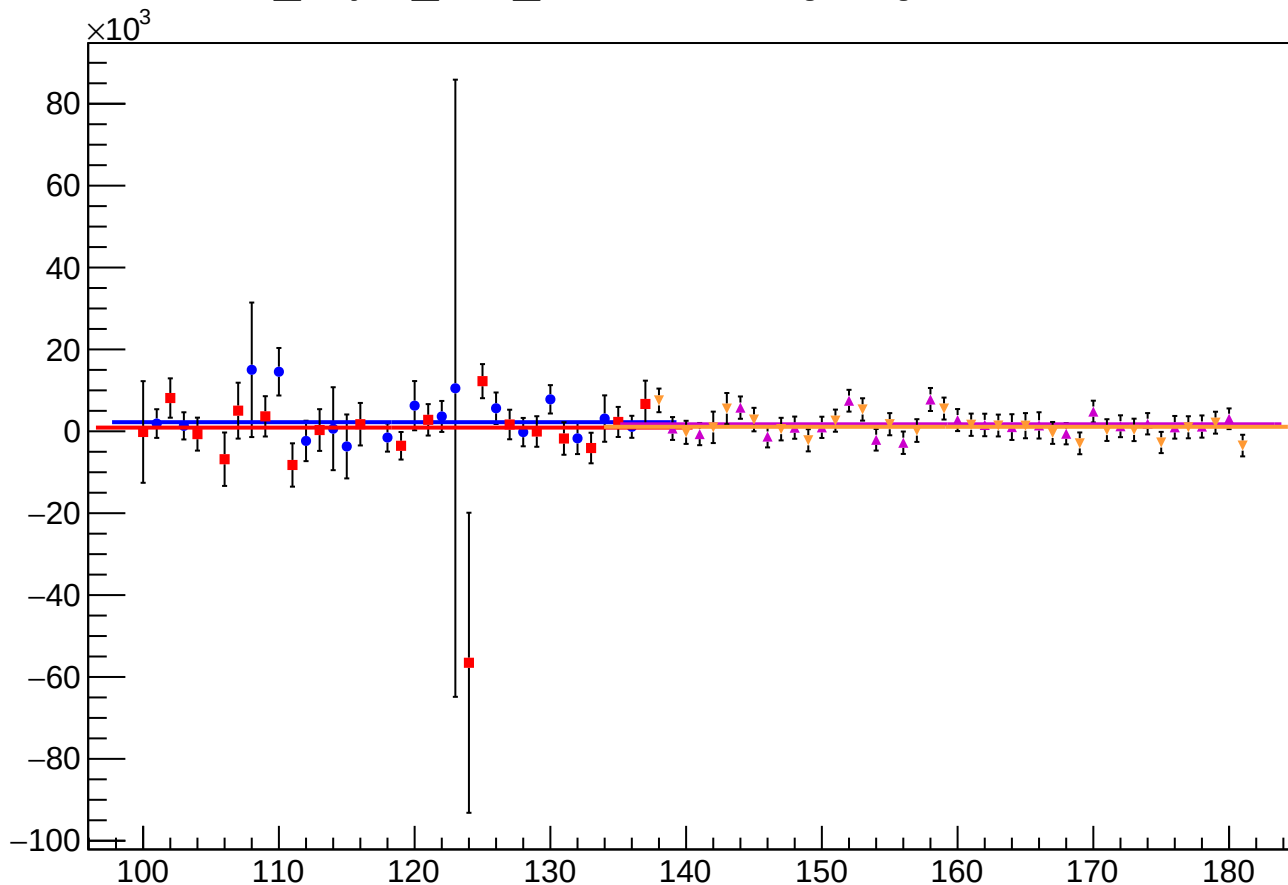
Right: 1895.125+/-0.370 χ^2/NDF : 927550.0/35

In: 1523.453+/-0.227 χ^2/NDF : 1115341.9/37

Out: 1537.638+/-0.224 χ^2/NDF : 1416857.9/41

All: 1530.636+/-0.159 χ^2/NDF : 2534184.9/79

dit_asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 1100.727 $\pm$ 581.493 χ^2/NDF : 22.3/22

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

Left In: 1712.493 $\pm$ 593.441 χ^2/NDF : 21.5/20

Left: 1400.390 $\pm$ 415.338 χ^2/NDF : 44.3/43

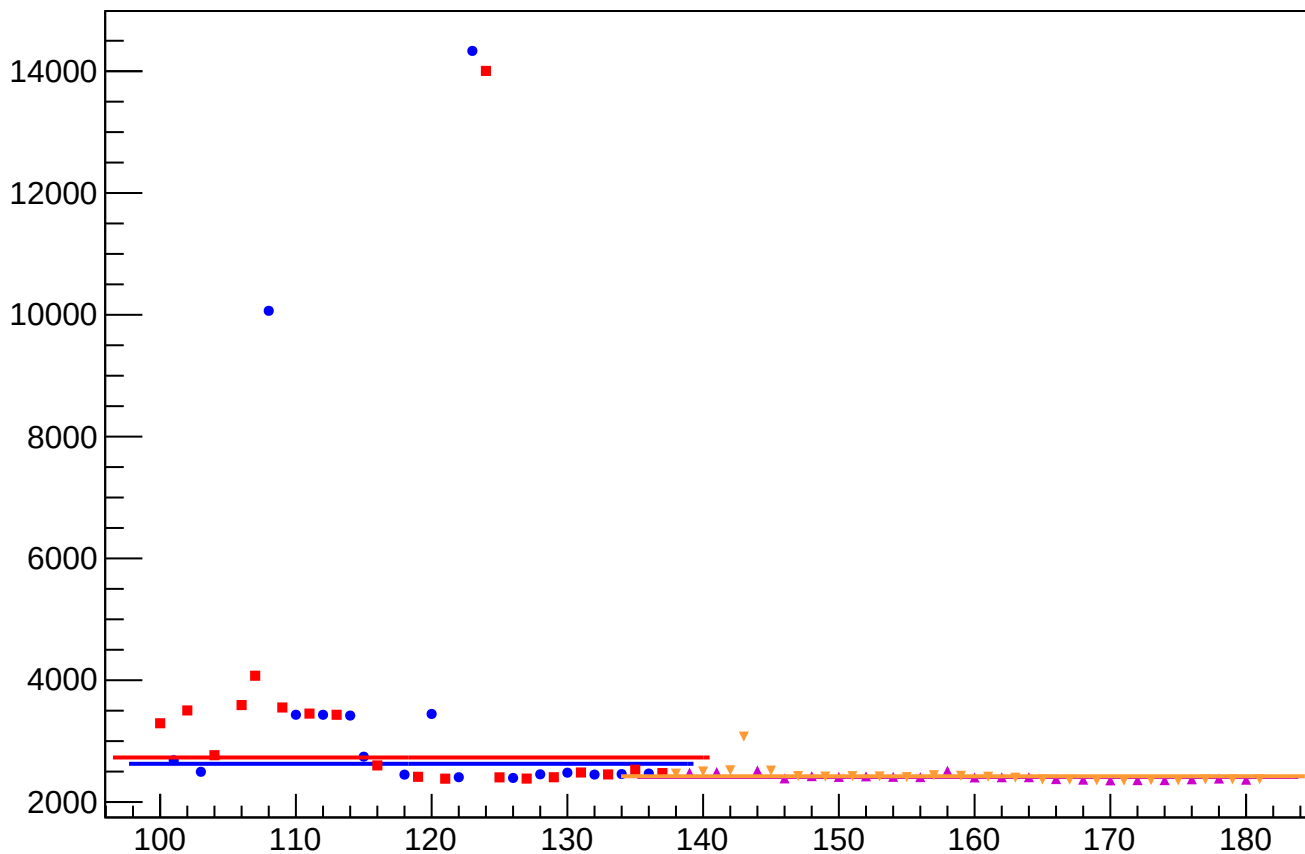
Right: 1572.479 $\pm$ 737.556 χ^2/NDF : 37.3/35

In: 1839.128 $\pm$ 515.345 χ^2/NDF : 35.2/37

Out: 1055.247 $\pm$ 508.338 χ^2/NDF : 45.3/41

All: 1441.822 $\pm$ 361.901 χ^2/NDF : 81.6/79

dit_asym_atl1_rms vs Slug, Sign Corrected



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

Left Out: 2422.960+/-0.411 χ^2/NDF : 72962.1/22

Right Out: 2731.271+/-0.740 χ^2/NDF : 598207.5/18

Left In: 2410.838+/-0.420 χ^2/NDF : 13478.2/20

Left: 2417.022+/-0.294 χ^2/NDF : 86866.0/43

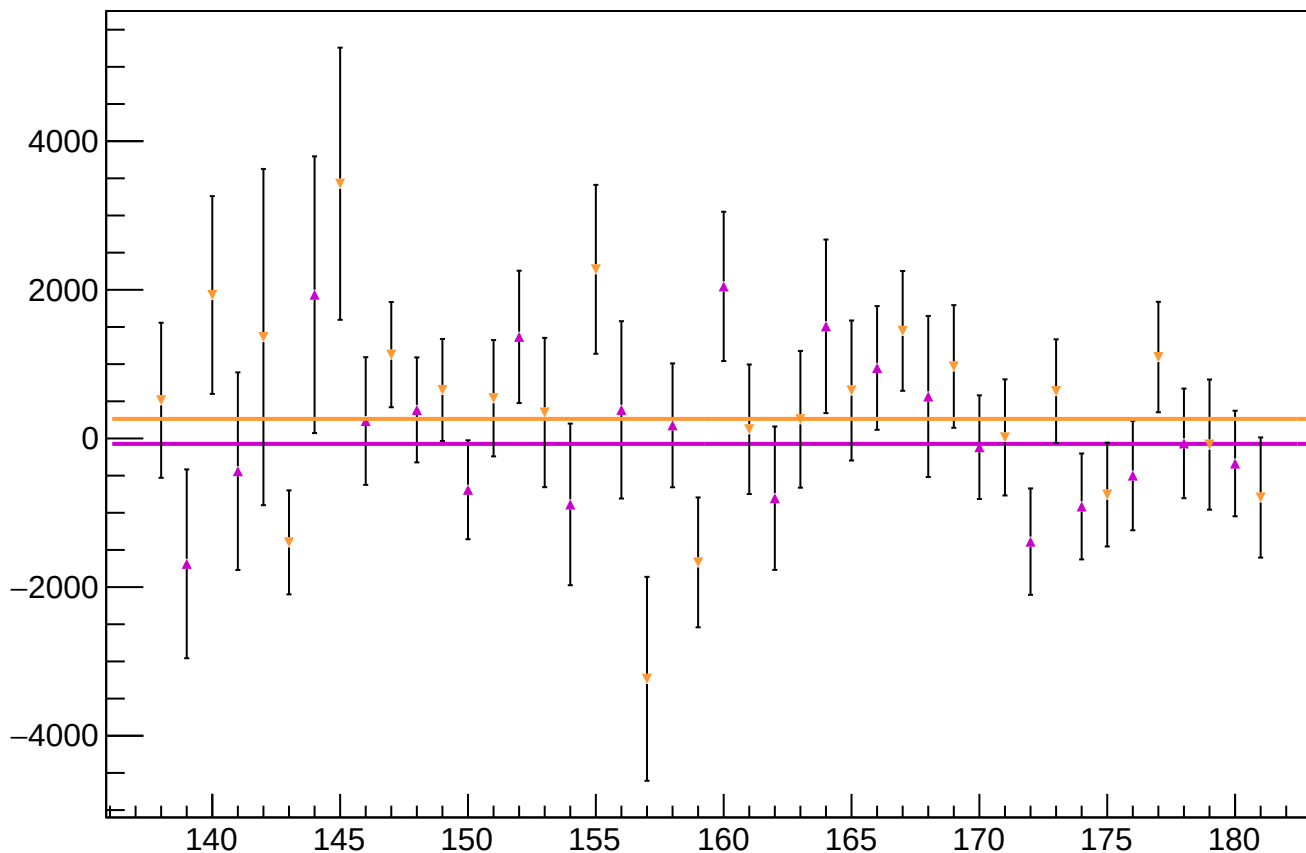
Right: 2679.043+/-0.522 χ^2/NDF : 1252488.0/35

In: 2464.128+/-0.364 χ^2/NDF : 723465.8/37

Out: 2495.655+/-0.359 χ^2/NDF : 803735.5/41

All: 2480.107+/-0.256 χ^2/NDF : 1530994.9/79

asym_atl1_correction_mean vs Slug, Sign Corrected



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

Left Out: 263.443+/-181.361 χ^2/NDF :35.7/22

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

Left In: -72.973+/-188.713 χ^2/NDF :21.6/20

Left: 101.916+/-130.764 χ^2/NDF : 59.0/43

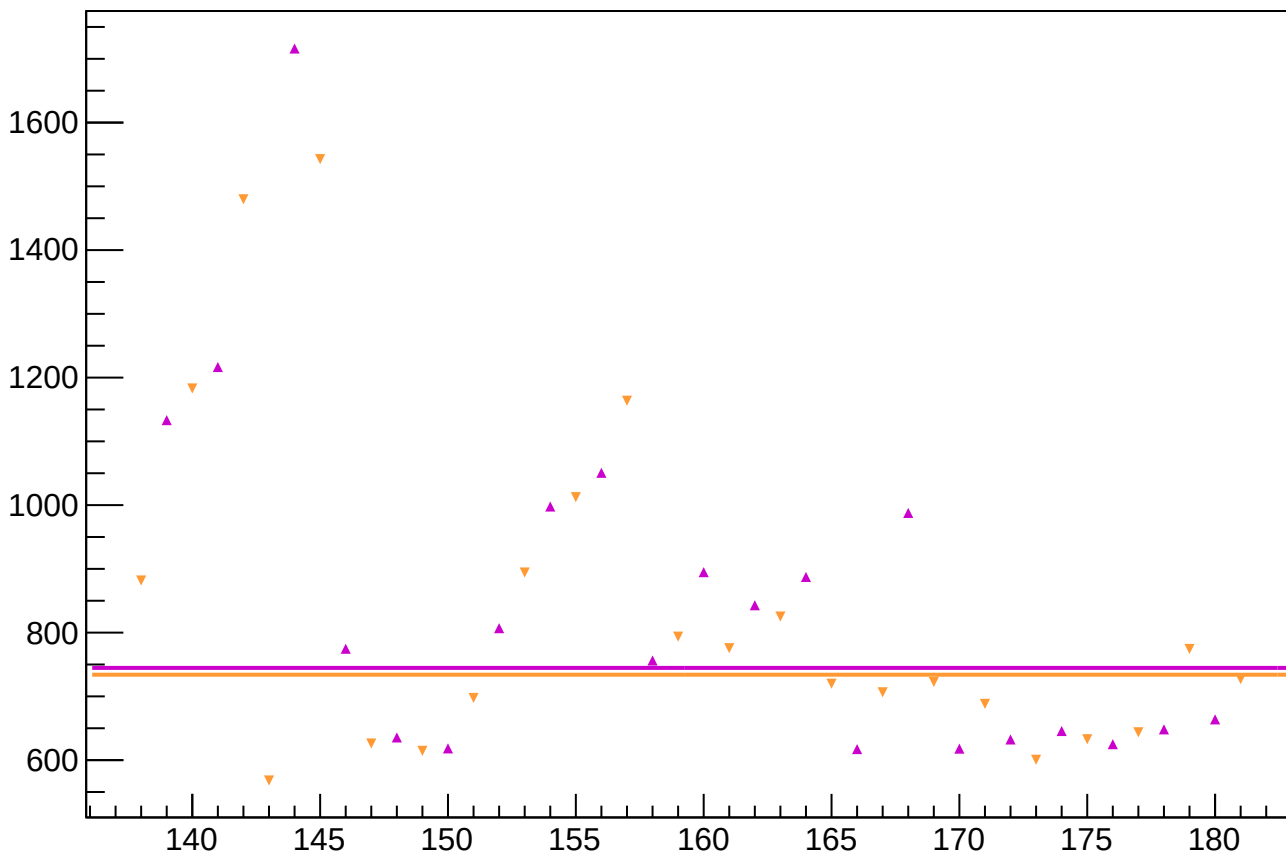
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -72.973+/-188.713 χ^2/NDF :21.6/20

Out: 263.443+/-181.361 χ^2/NDF :35.7/22

All: 101.916+/-130.764 χ^2/NDF : 59.0/43

asym_atl1_correction_rms vs Slug, Sign Corrected



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

Left Out: 733.974+/-0.128 χ^2/NDF :1659269.6/22

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

Left In: 744.672+/-0.133 χ^2/NDF :1865544.3/20

Left: 739.110+/-0.092 χ^2/NDF : 3528155.2/43

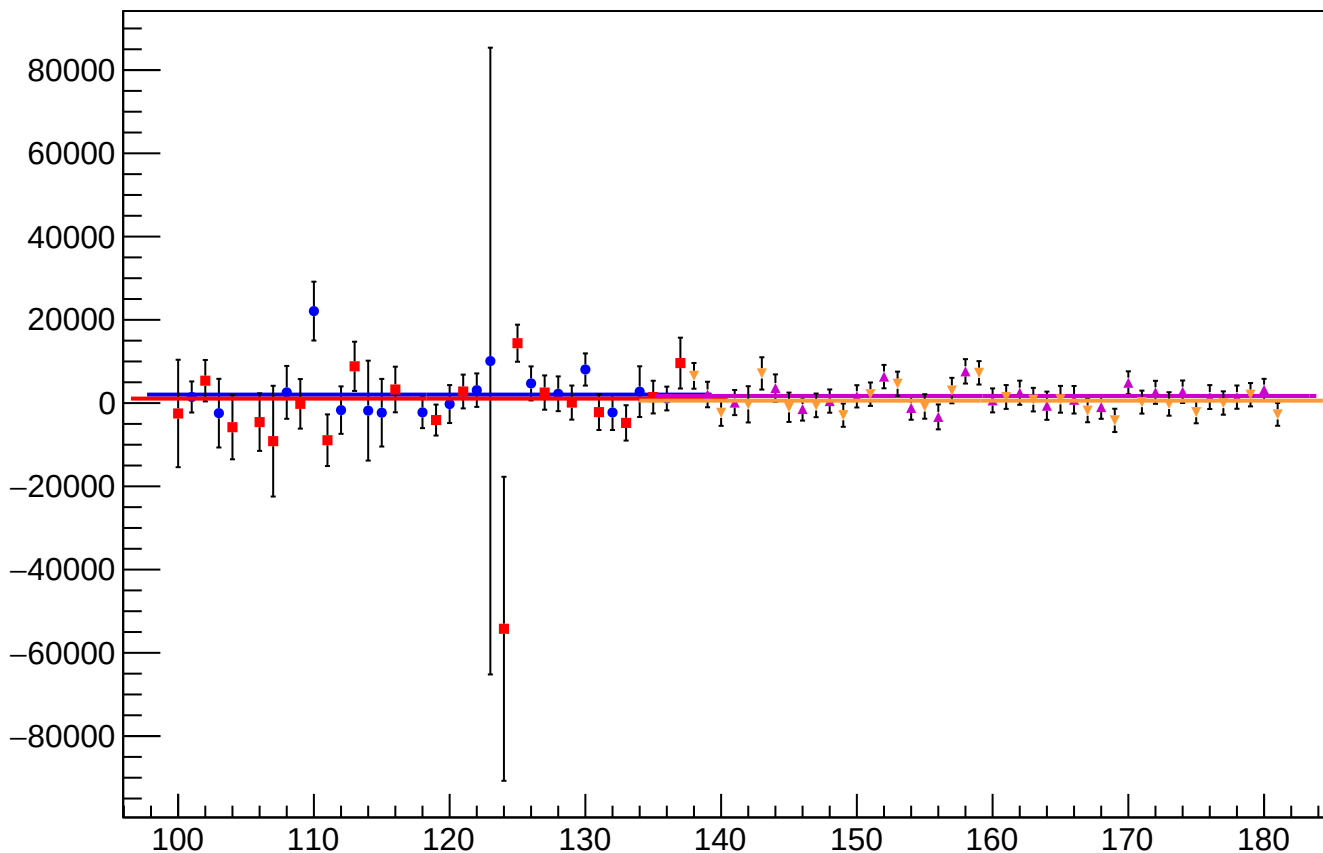
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 744.672+/-0.133 χ^2/NDF :1865544.3/20

Out: 733.974+/-0.128 χ^2/NDF :1659269.6/22

All: 739.110+/-0.092 χ^2/NDF : 3528155.2/43

asym_atl1_mean vs Slug, Sign Corrected



Right In: 2037.803+/-1151.419 χ^2/NDF : 14.8/16

Left Out: 589.862+/-615.964 χ^2/NDF : 24.8/22

Right Out: 1080.125+/-1186.666 χ^2/NDF : 25.3/18

Left In: 1711.281+/-629.577 χ^2/NDF : 16.3/20

Left: 1138.316+/-440.287 χ^2/NDF : 42.7/43

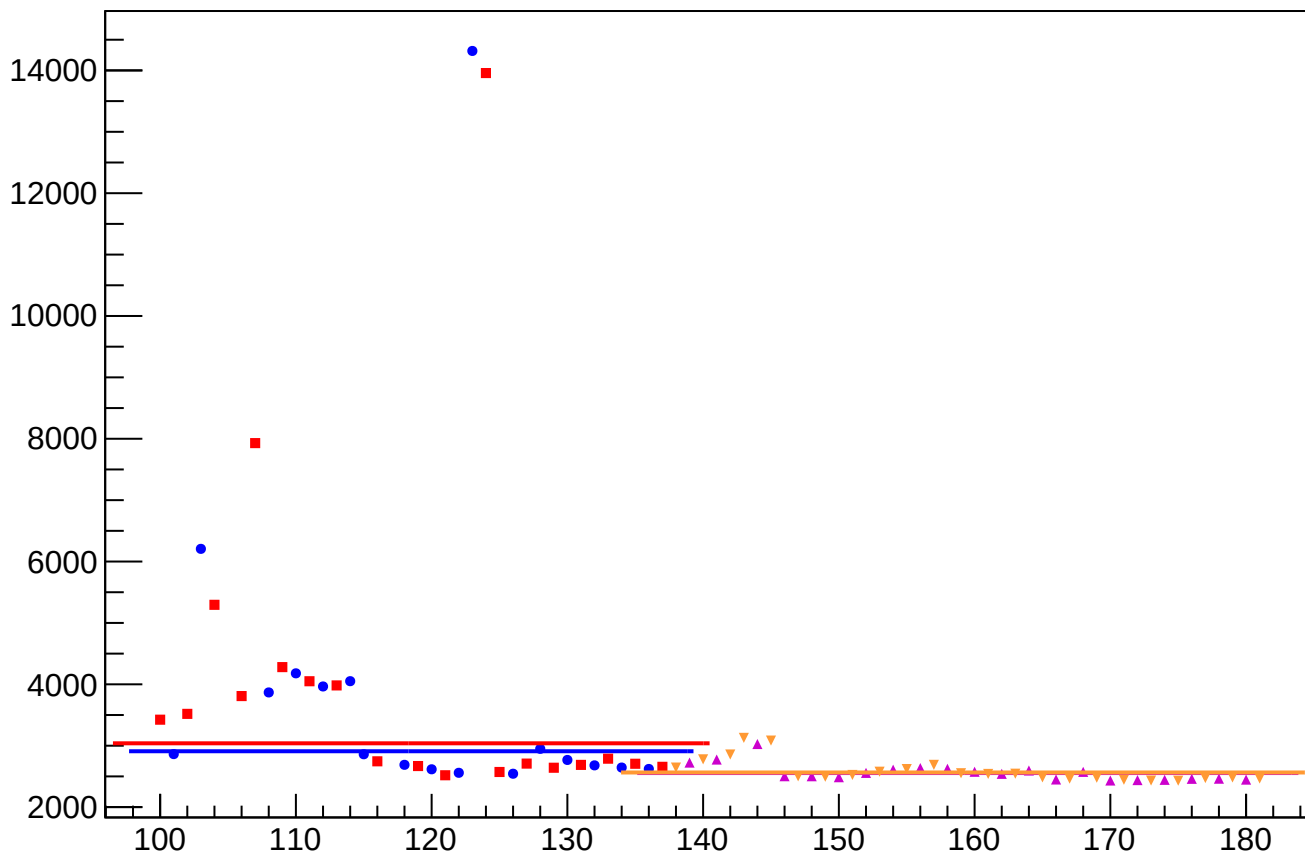
Right: 1573.398+/-826.356 χ^2/NDF : 40.5/35

In: 1786.433+/-552.394 χ^2/NDF : 31.2/37

Out: 693.919+/-546.701 χ^2/NDF : 50.3/41

All: 1234.518+/-388.573 χ^2/NDF : 83.4/79

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2909.732 $\pm$ 0.814 χ^2 /NDF: 641894.7/16

Left Out: 2563.909 $\pm$ 0.436 χ^2 /NDF:137524.0/22

Right Out: 3039.118 $\pm$ 0.839 χ^2 /NDF: 1011306.5/18

Left In: 2554.656 $\pm$ 0.445 χ^2 /NDF:85267.0/20

Left: 2559.384 $\pm$ 0.311 χ^2 /NDF: 223011.7/43

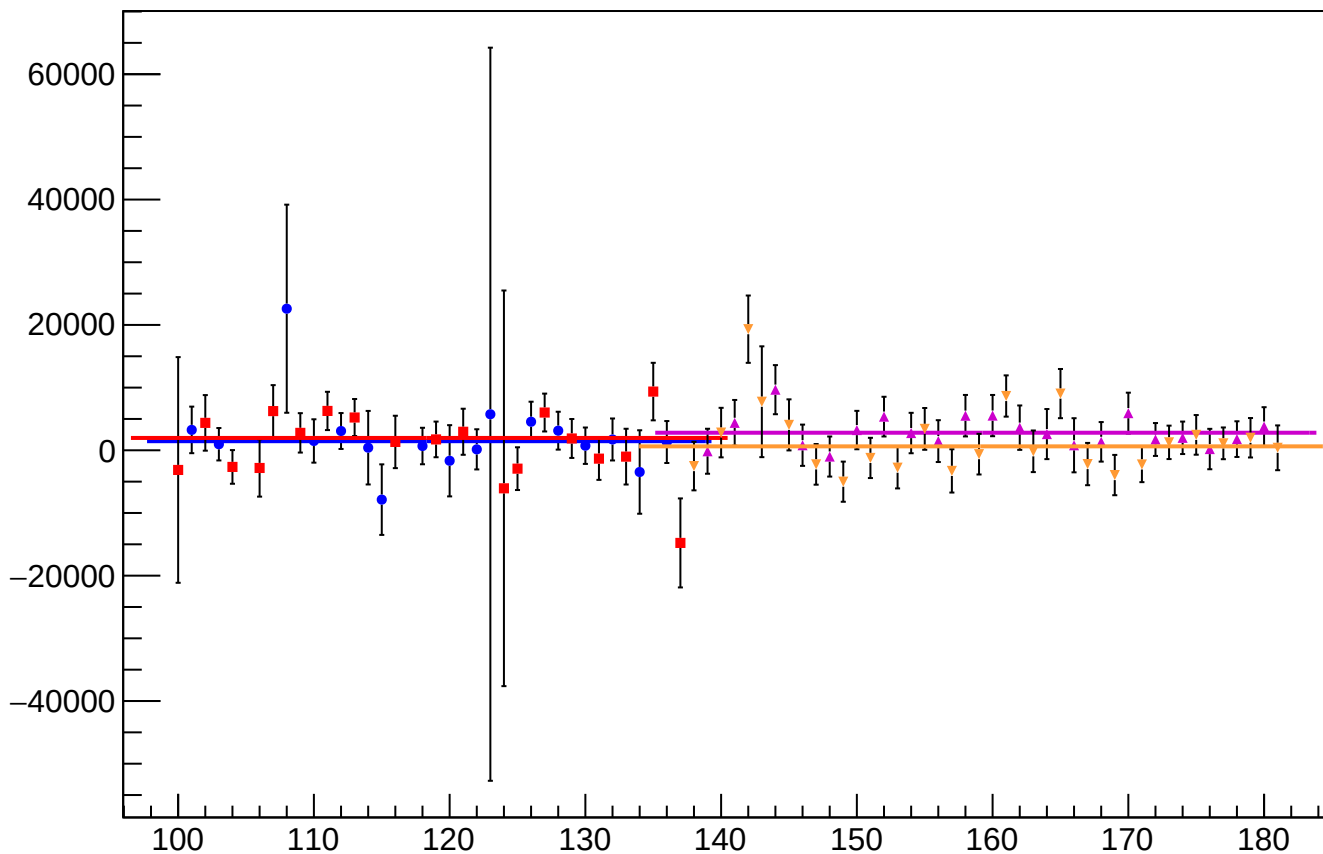
Right: 2972.475 $\pm$ 0.584 χ^2 /NDF: 1665447.8/35

In: 2636.381 $\pm$ 0.391 χ^2 /NDF:873583.5/37

Out: 2664.771 $\pm$ 0.387 χ^2 /NDF:1401487.3/41

All: 2650.723 $\pm$ 0.275 χ^2 /NDF: 2277739.6/79

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1451.980 $\pm$ 889.008 χ^2 /NDF: 7.4/16

Left Out: 627.129 $\pm$ 703.173 χ^2 /NDF:36.9/22

Right Out: 1969.182 $\pm$ 850.490 χ^2 /NDF: 22.4/18

Left In: 2801.041 $\pm$ 708.391 χ^2 /NDF:10.5/20

Left: 1706.050 $\pm$ 499.053 χ^2 /NDF: 52.1/43

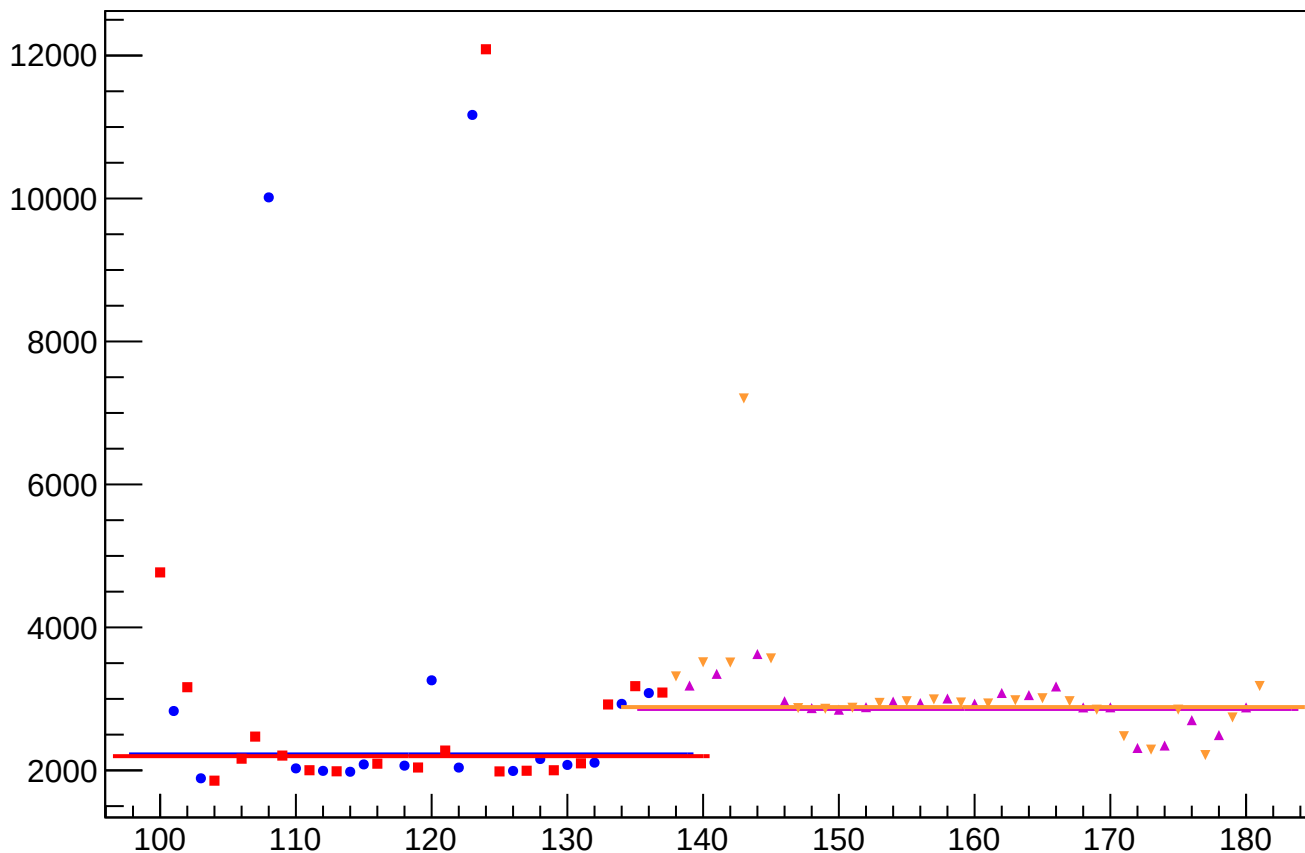
Right: 1722.028 $\pm$ 614.553 χ^2 /NDF: 30.0/35

In: 2277.123 $\pm$ 554.015 χ^2 /NDF:19.3/37

Out: 1172.037 $\pm$ 541.934 χ^2 /NDF:60.7/41

All: 1712.400 $\pm$ 387.406 χ^2 /NDF: 82.0/79

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2223.132 $\pm$ 0.629 χ^2 /NDF: 850289.4/16

Left Out: 2885.311 $\pm$ 0.497 χ^2 /NDF: 945203.0/22

Right Out: 2198.760 $\pm$ 0.601 χ^2 /NDF: 602418.1/18

Left In: 2859.514 $\pm$ 0.501 χ^2 /NDF: 366237.4/20

Left: 2872.508 $\pm$ 0.353 χ^2 /NDF: 1312776.4/43

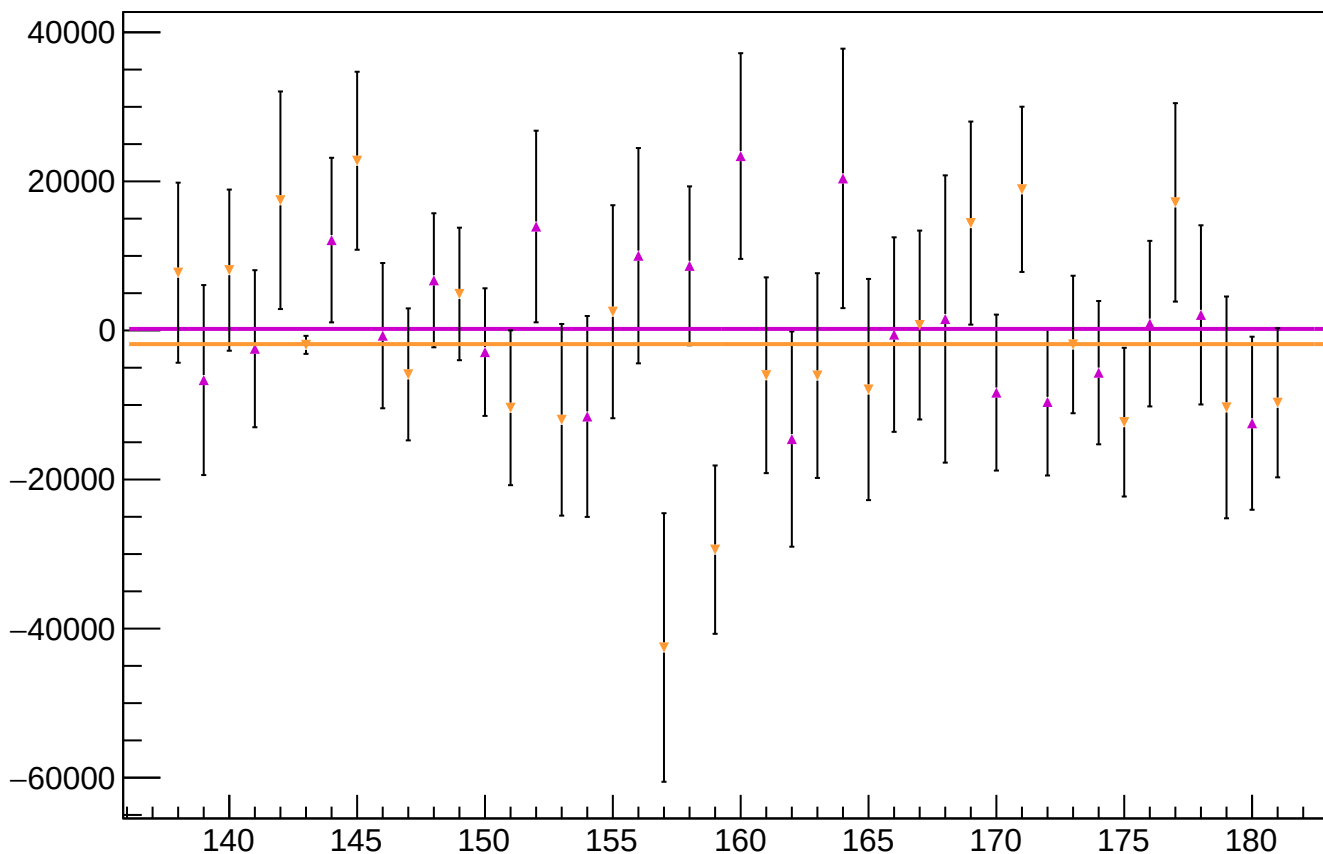
Right: 2210.398 $\pm$ 0.434 χ^2 /NDF: 1453492.9/35

In: 2612.370 $\pm$ 0.392 χ^2 /NDF: 1843361.2/37

Out: 2606.314 $\pm$ 0.383 χ^2 /NDF: 2322402.3/41

All: 2609.274 $\pm$ 0.274 χ^2 /NDF: 4165885.6/79

asym_atl2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1831.837+/-1087.525 χ^2/NDF :30.1/22

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

Left In: 205.894+/-2502.756 χ^2/NDF :13.6/20

Left: -1508.189+/-997.428 χ^2/NDF : 44.3/43

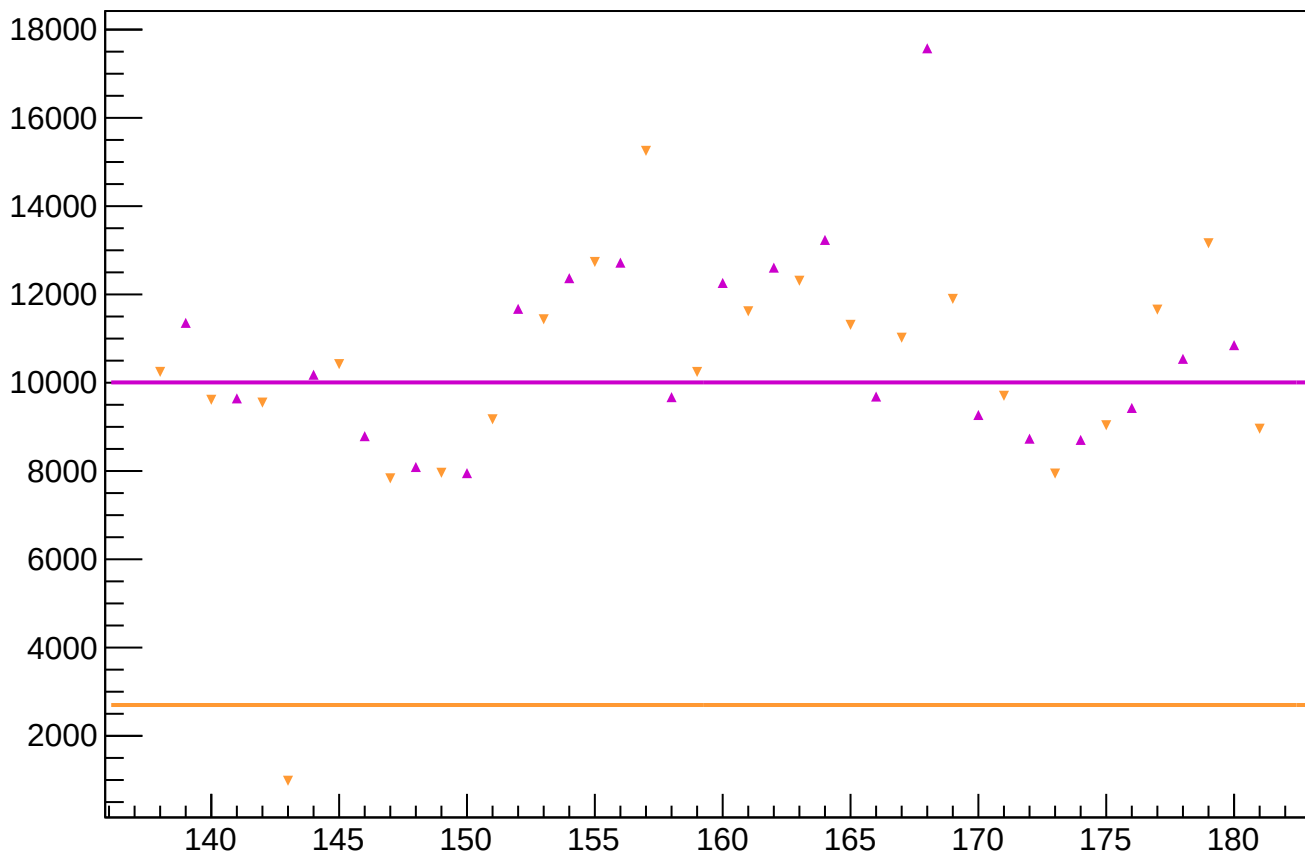
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 205.894+/-2502.756 χ^2/NDF :13.6/20

Out: -1831.837+/-1087.525 χ^2/NDF :30.1/22

All: -1508.189+/-997.428 χ^2/NDF : 44.3/43

asym_atl2_correction_rms vs Slug, Sign Corrected



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

Left Out: 2699.025+/-0.769 χ^2/NDF :22107913.5/22

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

Left In: 10006.686+/-1.770 χ^2/NDF :1026867.2/20

Left: 3859.684+/-0.705 χ^2/NDF : 37477605.6/43

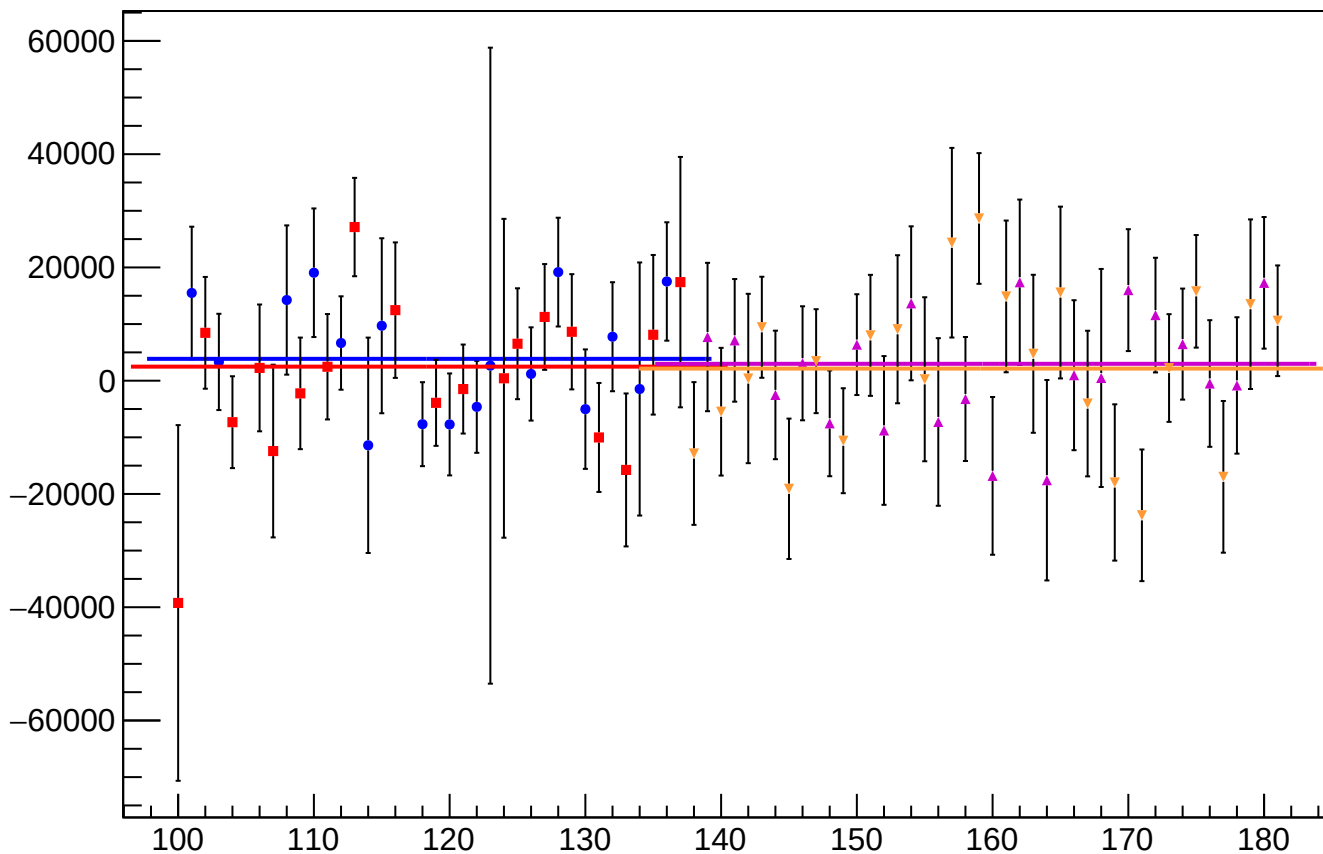
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 10006.686+/-1.770 χ^2/NDF :1026867.2/20

Out: 2699.025+/-0.769 χ^2/NDF :22107913.5/22

All: 3859.684+/-0.705 χ^2/NDF : 37477605.6/43

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3859.866 $\pm$ 2508.782 χ^2 /NDF: 14.8/16

Left Out: 2137.674 $\pm$ 2446.085 χ^2 /NDF:29.3/22

Right Out: 2482.925 $\pm$ 2421.310 χ^2 /NDF: 20.0/18

Left In: 2982.347 $\pm$ 2558.761 χ^2 /NDF:12.5/20

Left: 2541.004 $\pm$ 1768.136 χ^2 /NDF: 41.9/43

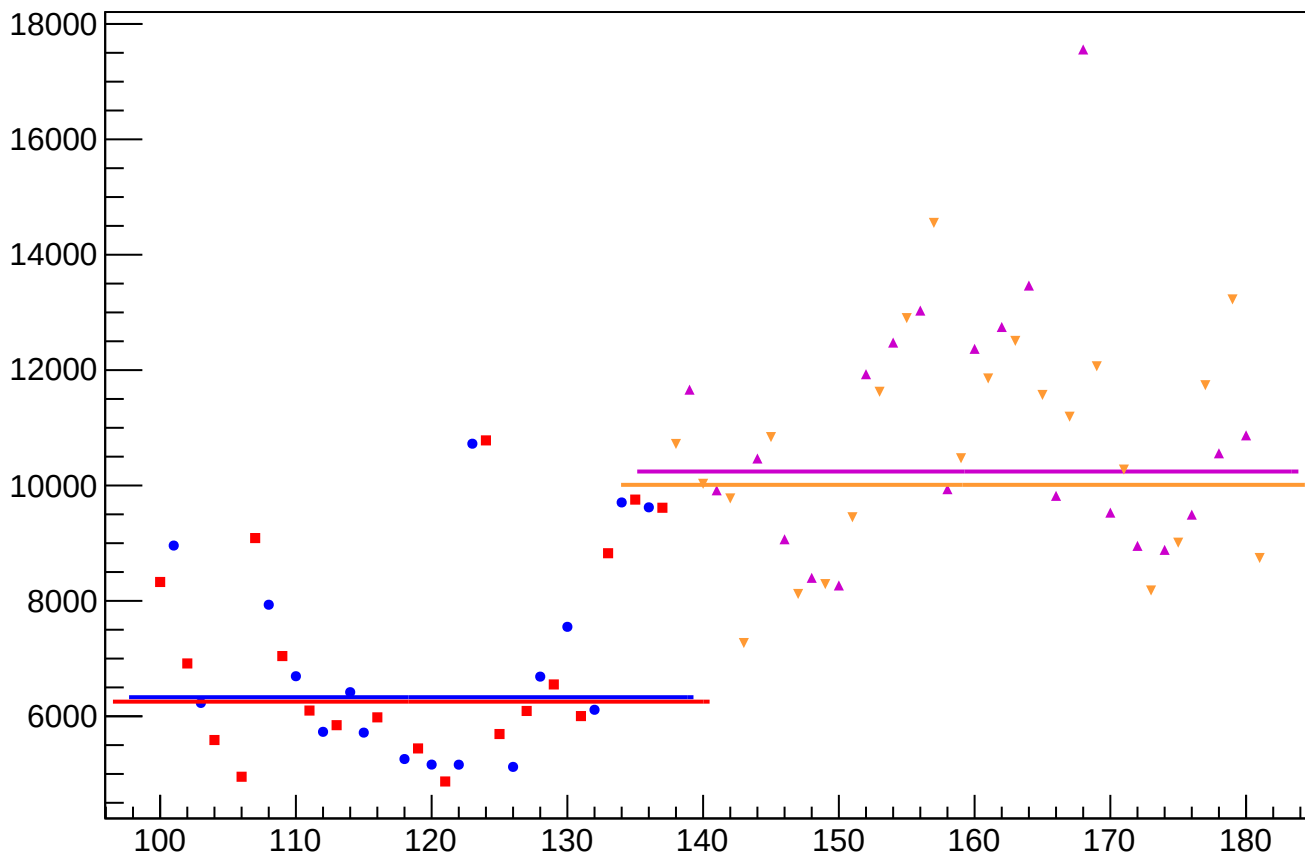
Right: 3146.972 $\pm$ 1742.228 χ^2 /NDF: 35.0/35

In: 3429.760 $\pm$ 1791.386 χ^2 /NDF:27.4/37

Out: 2312.057 $\pm$ 1720.817 χ^2 /NDF:49.4/41

All: 2848.460 $\pm$ 1240.999 χ^2 /NDF: 77.0/79

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6330.291+/-1.774 χ^2/NDF : 593395.6/16

Left Out: 10011.363+/-1.730 χ^2/NDF : 1063343.0/22

Right Out: 6253.330+/-1.712 χ^2/NDF : 535355.5/18

Left In: 10242.268+/-1.809 χ^2/NDF : 947675.3/20

Left: 10121.620+/-1.250 χ^2/NDF : 2019528.3/43

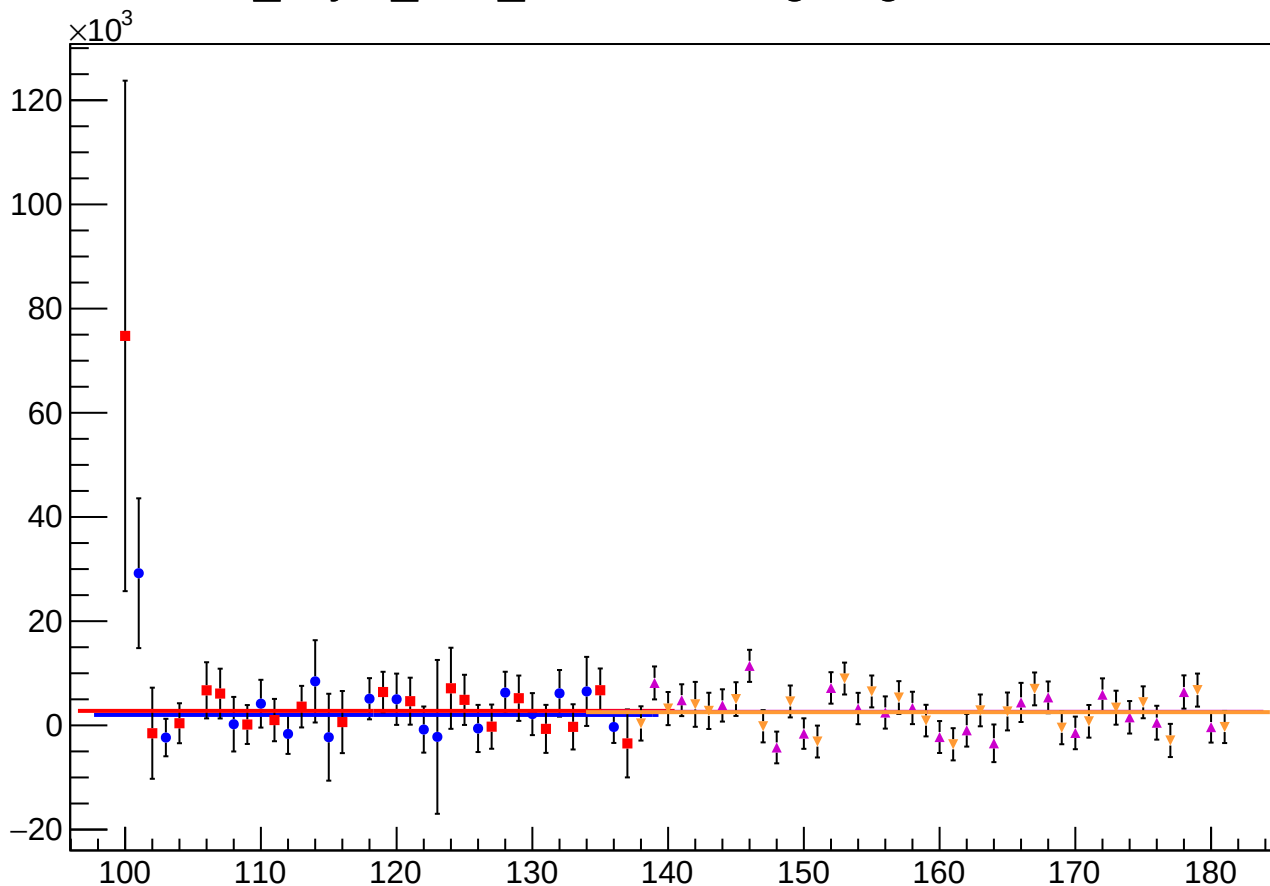
Right: 6290.444+/-1.232 χ^2/NDF : 1129725.5/35

In: 8247.692+/-1.267 χ^2/NDF : 3924582.3/37

Out: 8113.132+/-1.217 χ^2/NDF : 3983193.7/41

All: 8177.708+/-0.878 χ^2/NDF : 7913645.1/79

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2005.383 $\pm$ 1134.240 χ^2/NDF : 12.1/16

Left Out: 2537.624 $\pm$ 665.460 χ^2/NDF : 26.2/22

Right Out: 2781.006 $\pm$ 1086.164 χ^2/NDF : 9.9/18

Left In: 2604.472 $\pm$ 682.567 χ^2/NDF : 34.8/20

Left: 2570.200 $\pm$ 476.484 χ^2/NDF : 61.1/43

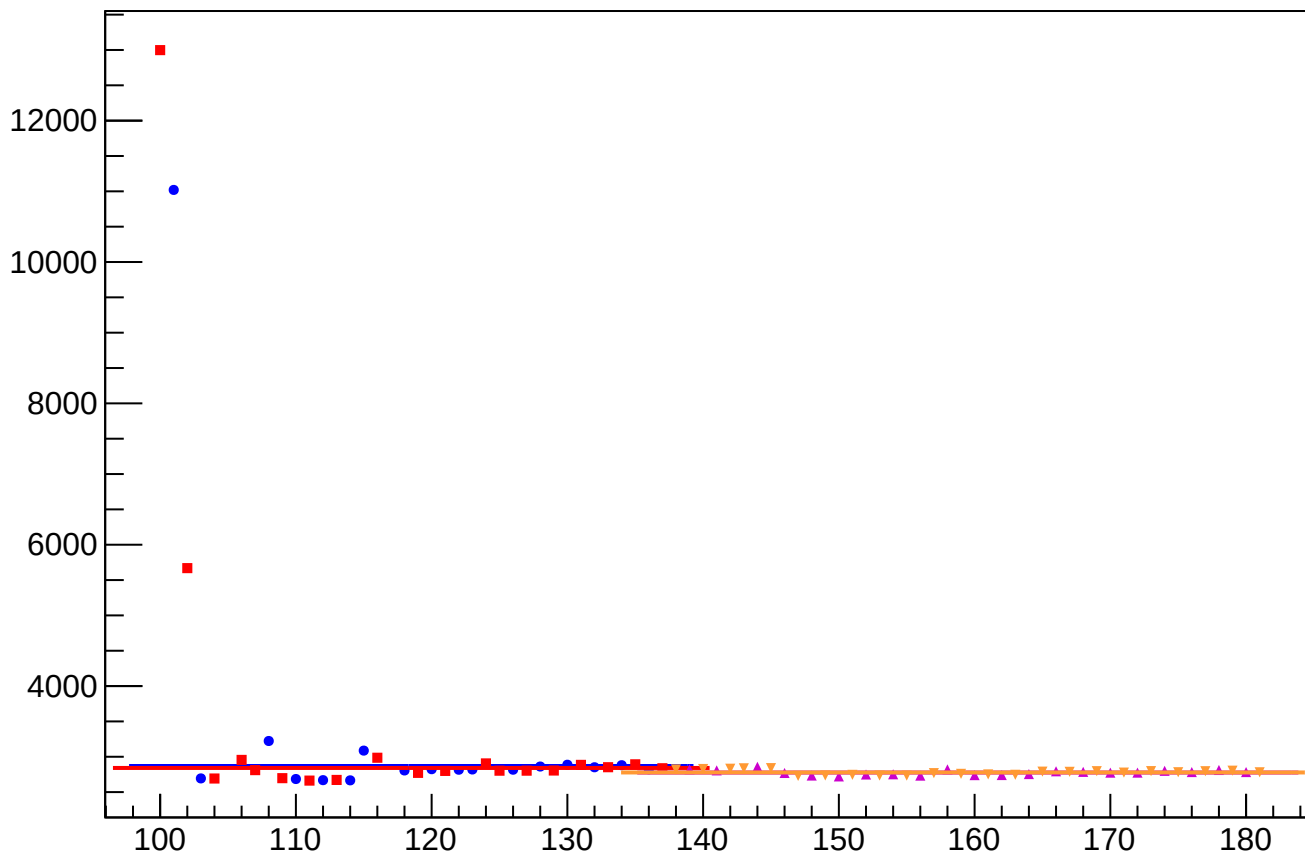
Right: 2409.980 $\pm$ 784.479 χ^2/NDF : 22.2/35

In: 2445.197 $\pm$ 584.835 χ^2/NDF : 47.1/37

Out: 2604.048 $\pm$ 567.431 χ^2/NDF : 36.2/41

All: 2527.021 $\pm$ 407.248 χ^2/NDF : 83.3/79

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2869.197+/-0.802 χ^2/NDF : 669900.5/16

Left Out: 2777.830+/-0.471 χ^2/NDF : 5237.6/22

Right Out: 2841.561+/-0.768 χ^2/NDF : 312523.0/18

Left In: 2776.444+/-0.483 χ^2/NDF : 5291.3/20

Left: 2777.155+/-0.337 χ^2/NDF : 10533.2/43

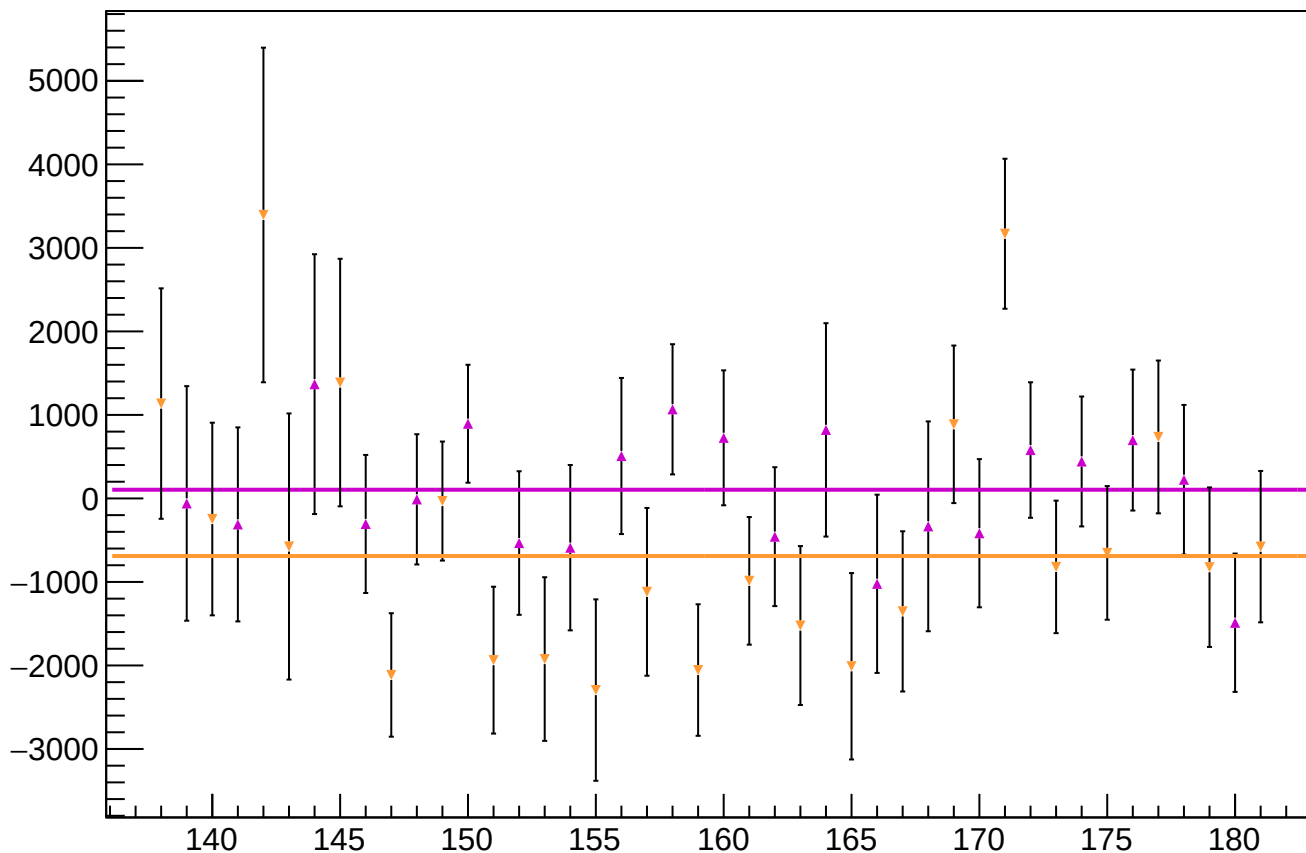
Right: 2854.781+/-0.555 χ^2/NDF : 983042.8/35

In: 2801.104+/-0.414 χ^2/NDF : 685010.5/37

Out: 2795.224+/-0.401 χ^2/NDF : 322766.9/41

All: 2798.075+/-0.288 χ^2/NDF : 1007881.5/79

asym_atr1_correction_mean vs Slug, Sign Corrected



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

Left Out: -689.701+/-197.287 χ^2/NDF :48.1/22

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

Left In: 104.033+/-197.669 χ^2/NDF :12.8/20

Left: -293.603+/-139.638 χ^2/NDF : 68.9/43

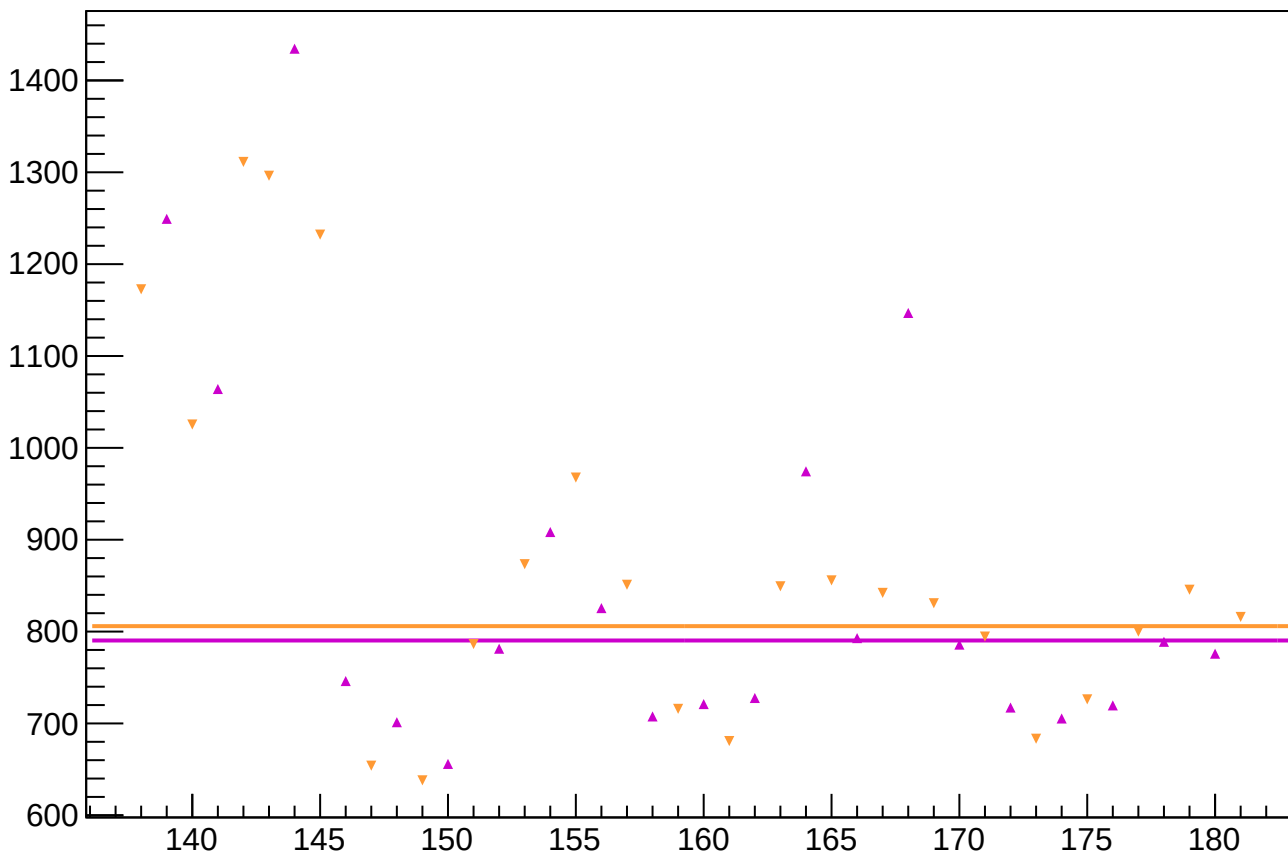
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 104.033+/-197.669 χ^2/NDF :12.8/20

Out: -689.701+/-197.287 χ^2/NDF :48.1/22

All: -293.603+/-139.638 χ^2/NDF : 68.9/43

asym_atr1_correction_rms vs Slug, Sign Corrected



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

Left Out: 805.912+/-0.140 χ^2/NDF :1113956.5/22

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

Left In: 790.297+/-0.140 χ^2/NDF :1109409.3/20

Left: 798.120+/-0.099 χ^2/NDF : 2229618.9/43

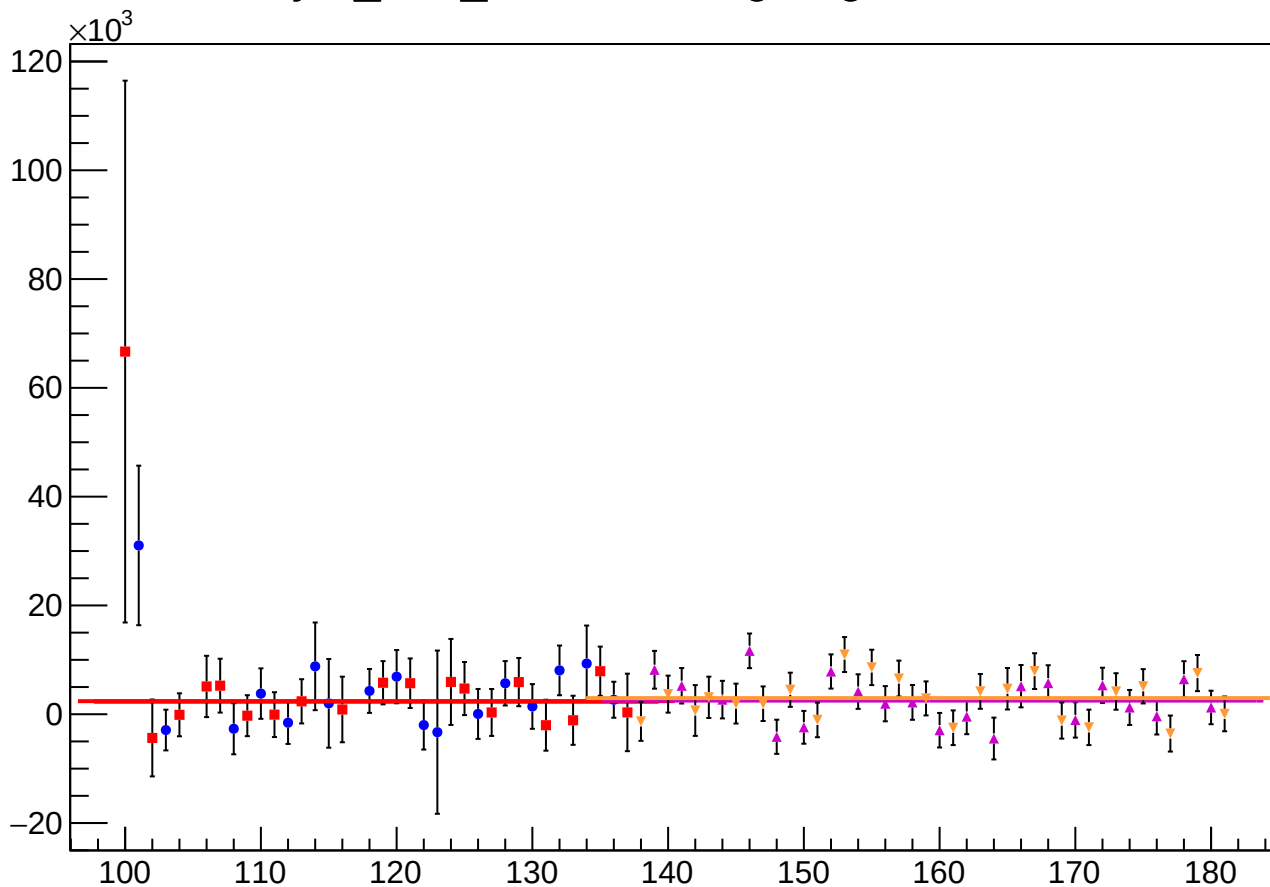
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 790.297+/-0.140 χ^2/NDF :1109409.3/20

Out: 805.912+/-0.140 χ^2/NDF :1113956.5/22

All: 798.120+/-0.099 χ^2/NDF : 2229618.9/43

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2330.134+/-1156.555 χ^2/NDF : 14.4/16

Left Out: 2962.574+/-698.315 χ^2/NDF : 31.2/22

Right Out: 2403.750+/-1110.093 χ^2/NDF : 10.1/18

Left In: 2514.085+/-714.761 χ^2/NDF : 34.9/20

Left: 2743.548+/-499.496 χ^2/NDF : 66.3/43

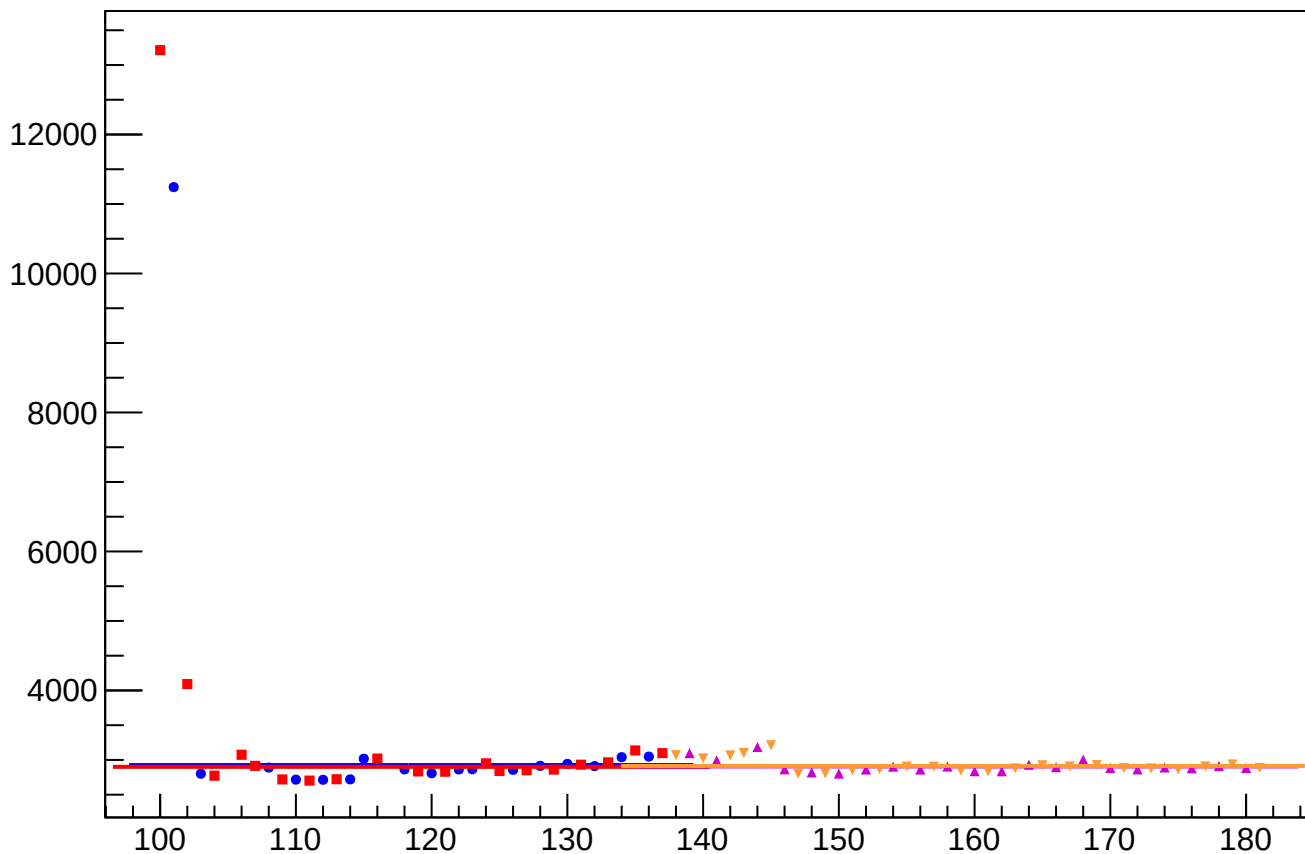
Right: 2368.450+/-800.876 χ^2/NDF : 24.5/35

In: 2463.245+/-608.019 χ^2/NDF : 49.3/37

Out: 2804.135+/-591.089 χ^2/NDF : 41.5/41

All: 2638.502+/-423.822 χ^2/NDF : 90.9/79

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2926.610+/-0.818 χ^2/NDF : 662794.4/16

Left Out: 2913.474+/-0.494 χ^2/NDF : 35303.5/22

Right Out: 2900.827+/-0.785 χ^2/NDF : 169866.6/18

Left In: 2906.286+/-0.505 χ^2/NDF : 29971.2/20

Left: 2909.963+/-0.353 χ^2/NDF : 65378.2/43

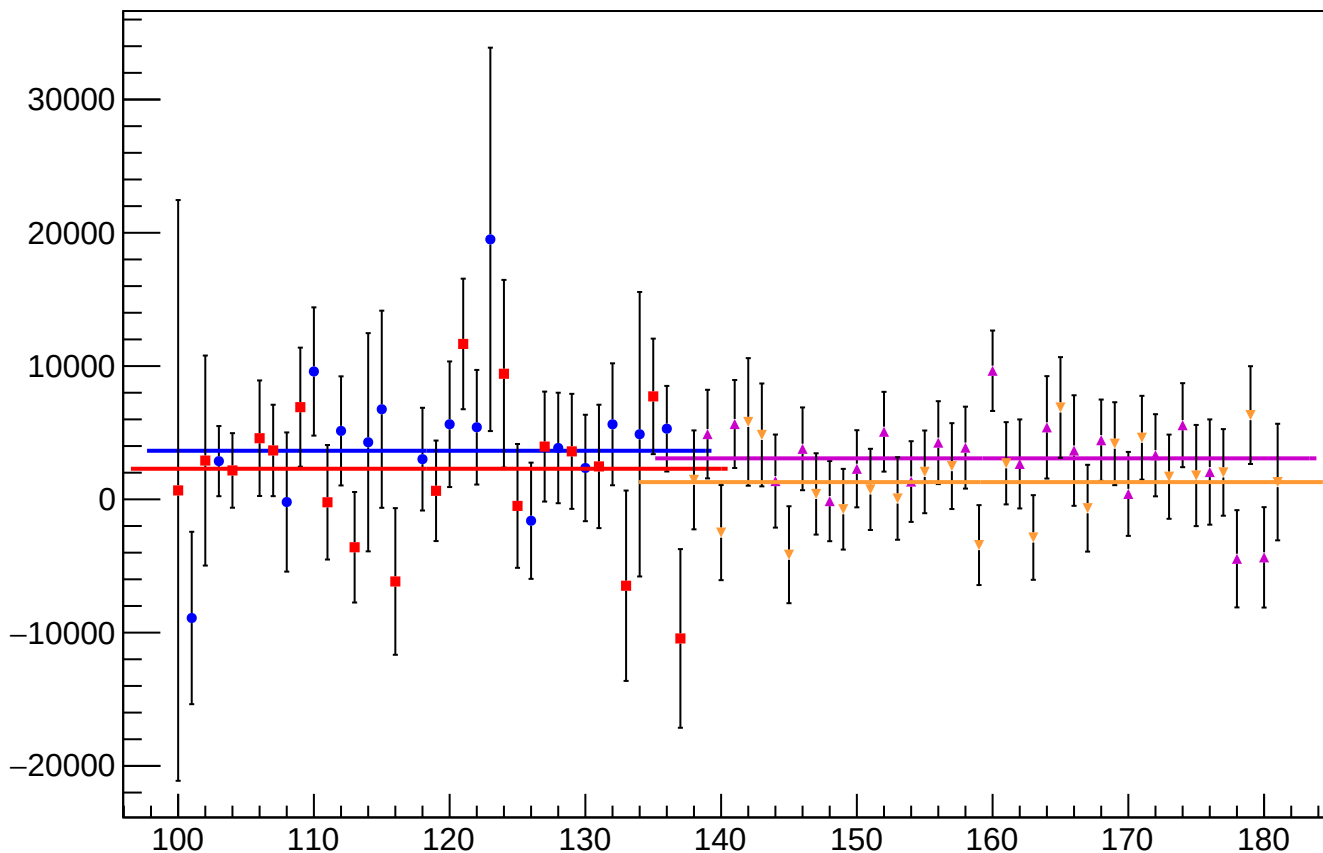
Right: 2913.190+/-0.566 χ^2/NDF : 833178.3/35

In: 2911.903+/-0.430 χ^2/NDF : 693212.6/37

Out: 2909.888+/-0.418 χ^2/NDF : 205356.1/41

All: 2910.867+/-0.300 χ^2/NDF : 898579.9/79

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3645.268 $\pm$ 1091.486 χ^2 /NDF: 9.9/16

Left Out: 1293.926 $\pm$ 699.863 χ^2 /NDF:16.9/22

Right Out: 2295.846 $\pm$ 1046.865 χ^2 /NDF: 18.4/18

Left In: 3076.715 $\pm$ 711.111 χ^2 /NDF:18.3/20

Left: 2171.110 $\pm$ 498.807 χ^2 /NDF: 38.5/43

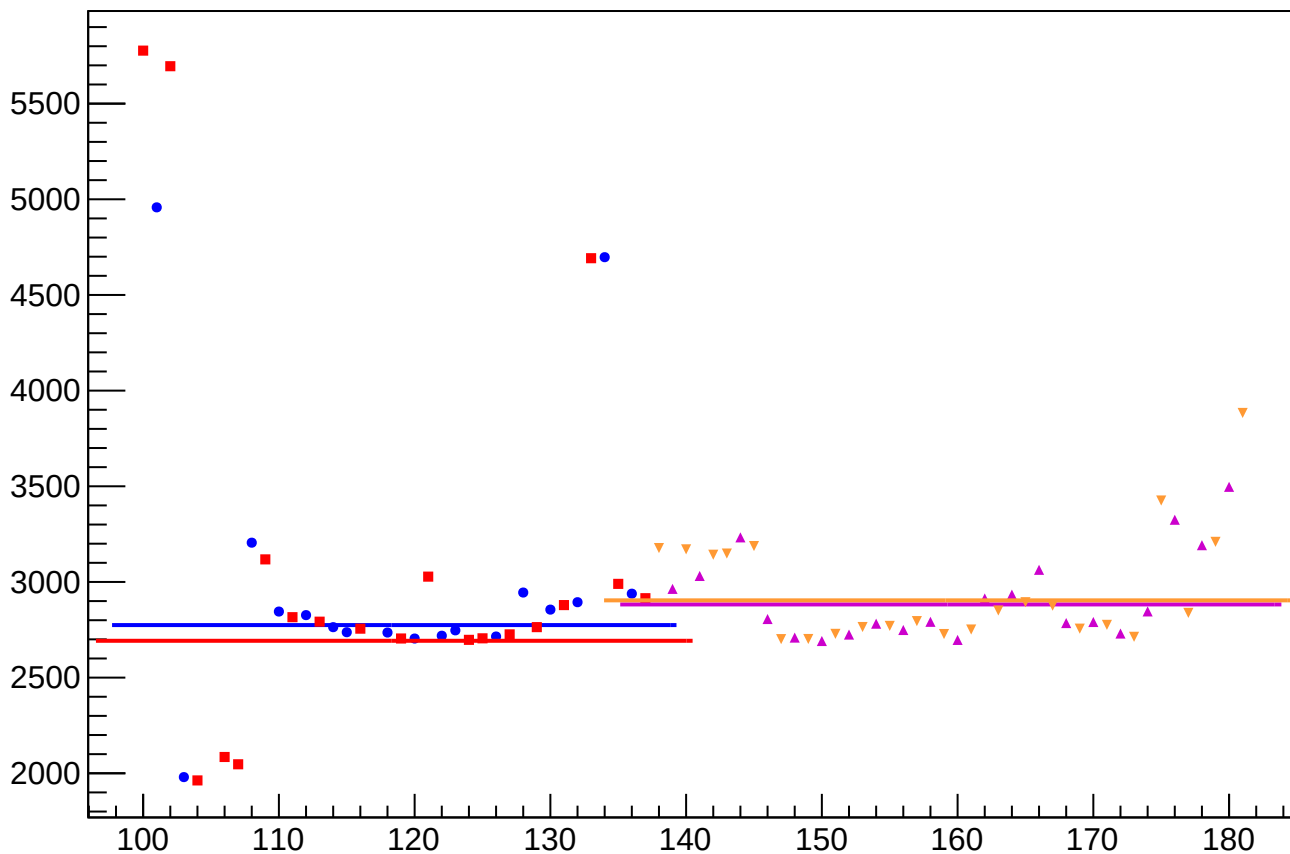
Right: 2942.410 $\pm$ 755.528 χ^2 /NDF: 29.1/35

In: 3246.133 $\pm$ 595.816 χ^2 /NDF:28.4/37

Out: 1603.404 $\pm$ 581.820 χ^2 /NDF:36.0/41

All: 2405.247 $\pm$ 416.269 χ^2 /NDF: 68.2/79

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2774.617 $\pm$ 0.772 χ^2/NDF : 501680.3/16

Left Out: 2903.830 $\pm$ 0.495 χ^2/NDF : 261995.4/22

Right Out: 2692.509 $\pm$ 0.740 χ^2/NDF : 780267.3/18

Left In: 2882.475 $\pm$ 0.503 χ^2/NDF : 168744.3/20

Left: 2893.323 $\pm$ 0.353 χ^2/NDF : 431656.0/43

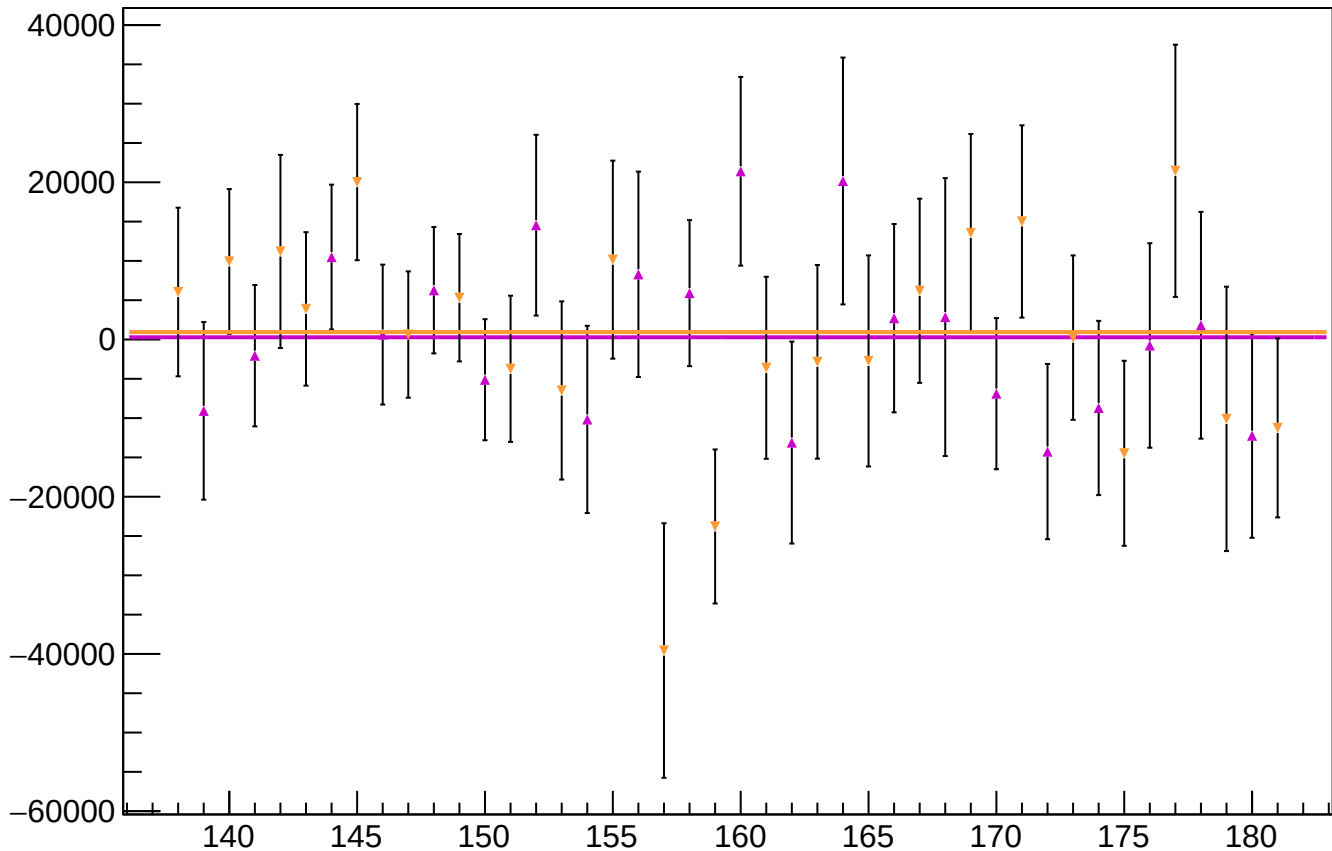
Right: 2731.837 $\pm$ 0.534 χ^2/NDF : 1287844.4/35

In: 2850.335 $\pm$ 0.421 χ^2/NDF : 684134.7/37

Out: 2838.527 $\pm$ 0.411 χ^2/NDF : 1098610.7/41

All: 2844.290 $\pm$ 0.294 χ^2/NDF : 1783147.6/79

asym_atr2_correction_mean vs Slug, Sign Corrected



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

Left Out: 945.411+/-2295.945 χ^2/NDF :27.6/22

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

Left In: 284.434+/-2357.849 χ^2/NDF :15.8/20

Left: 623.713+/-1644.928 χ^2/NDF : 43.4/43

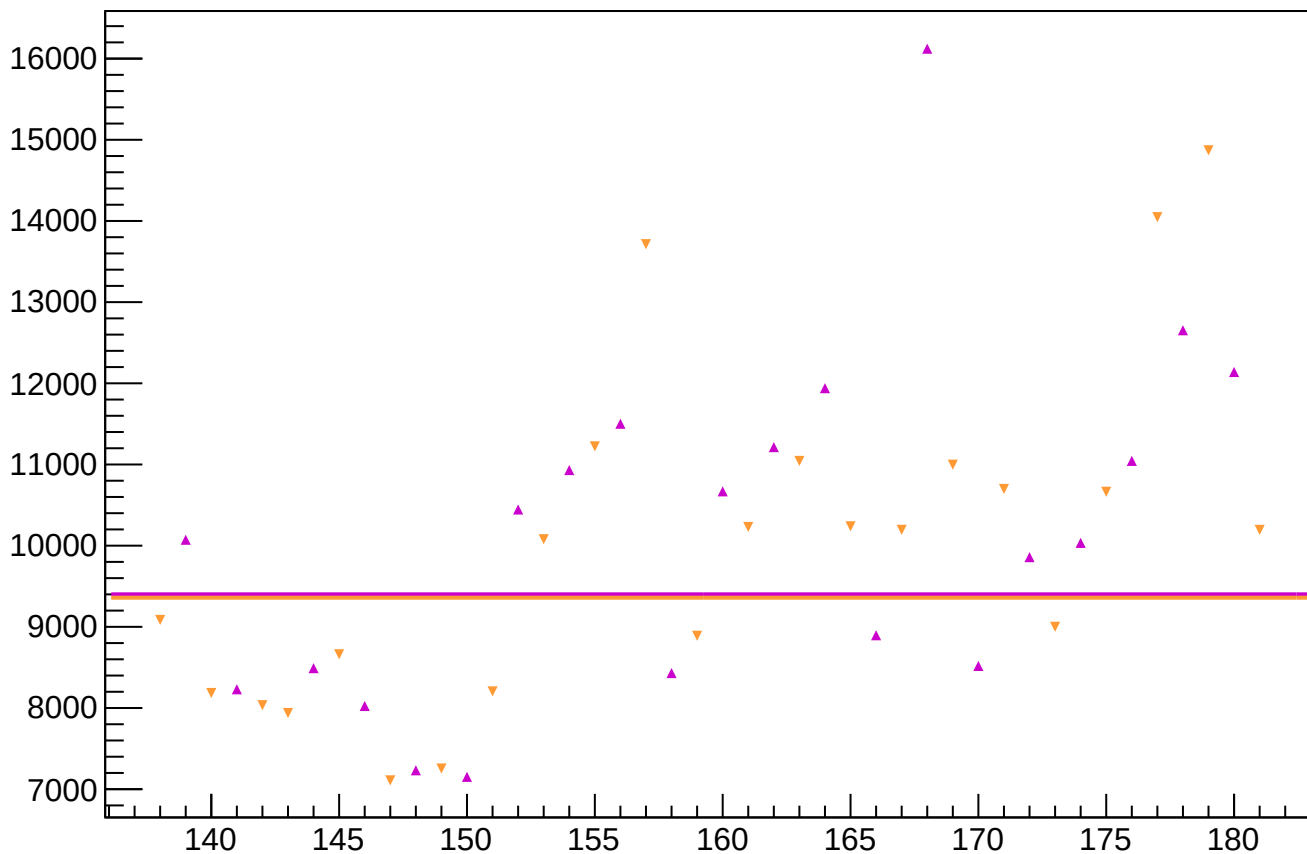
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 284.434+/-2357.849 χ^2/NDF :15.8/20

Out: 945.411+/-2295.945 χ^2/NDF :27.6/22

All: 623.713+/-1644.928 χ^2/NDF : 43.4/43

asym_atr2_correction_rms vs Slug, Sign Corrected



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

Left Out: 9359.120+/-1.623 χ^2/NDF :1181570.0/22

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

Left In: 9400.396+/-1.667 χ^2/NDF :1203909.4/20

Left: 9379.209+/-1.163 χ^2/NDF : 2385794.0/43

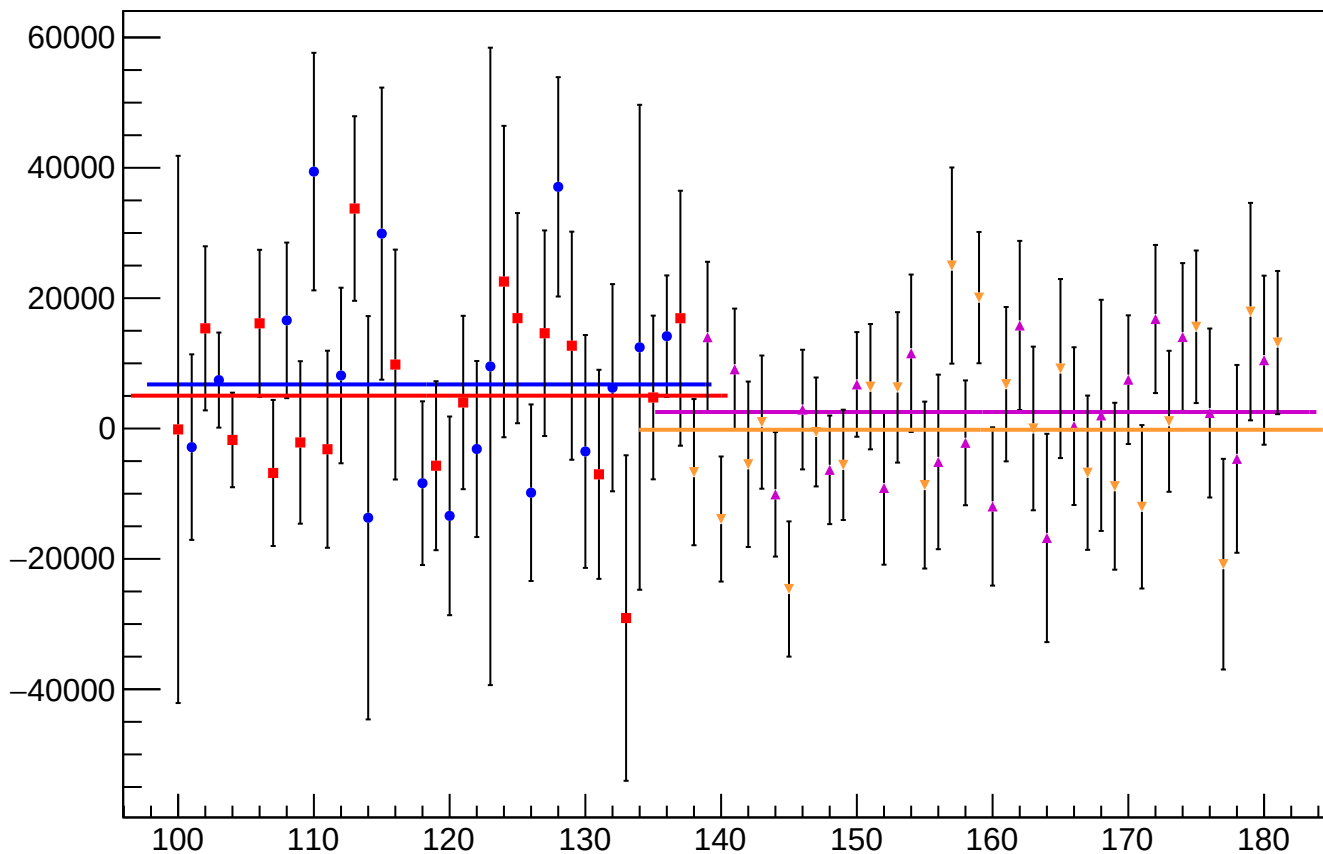
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 9400.396+/-1.667 χ^2/NDF :1203909.4/20

Out: 9359.120+/-1.623 χ^2/NDF :1181570.0/22

All: 9379.209+/-1.163 χ^2/NDF : 2385794.0/43

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6767.402+/-3387.139 χ^2/NDF : 15.3/16

Left Out: -190.788+/-2351.641 χ^2/NDF : 25.2/22

Right Out: 5041.440+/-3167.616 χ^2/NDF : 13.6/18

Left In: 2532.318+/-2414.880 χ^2/NDF : 14.2/20

Left: 1134.643+/-1684.775 χ^2/NDF : 40.1/43

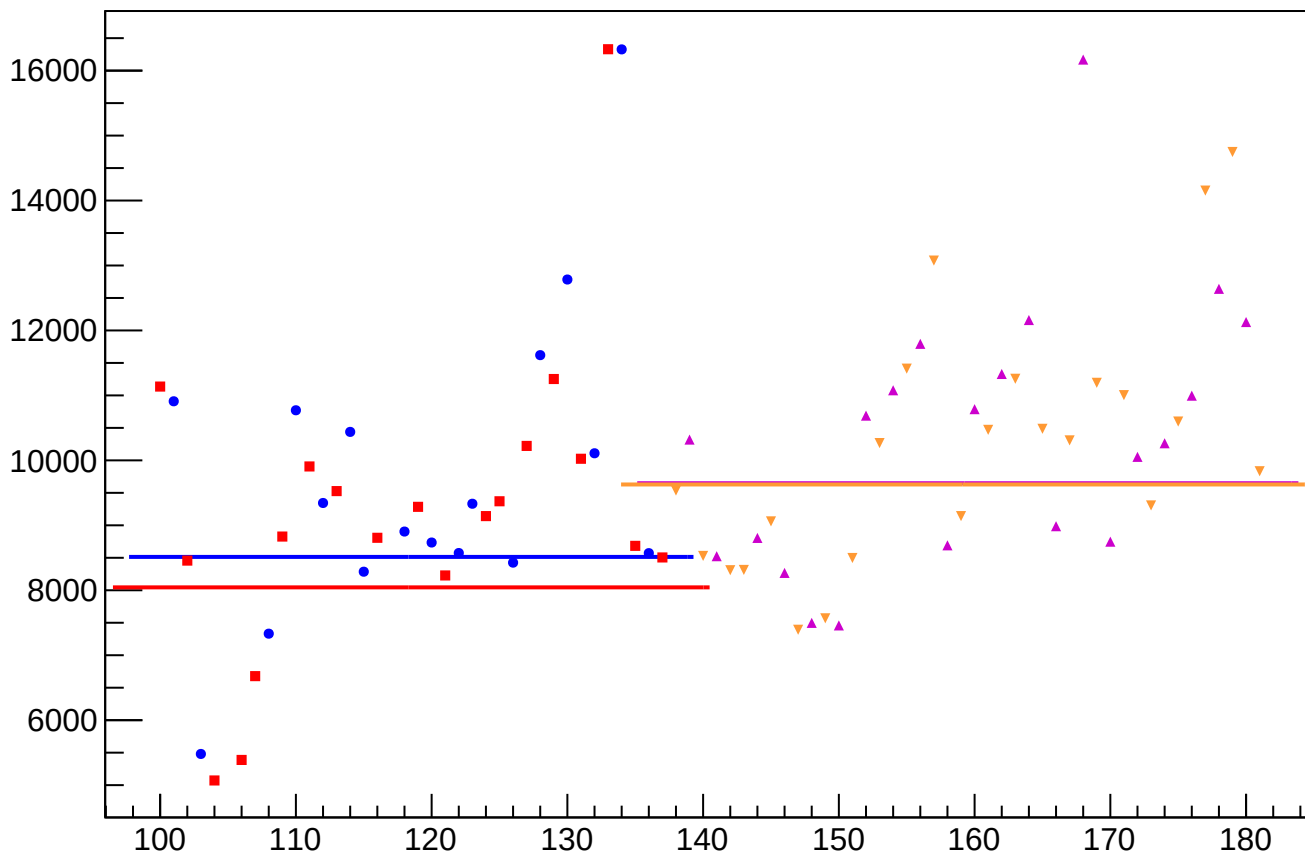
Right: 5846.682+/-2313.559 χ^2/NDF : 29.1/35

In: 3959.560+/-1966.305 χ^2/NDF : 30.6/37

Out: 1668.332+/-1888.178 χ^2/NDF : 40.6/41

All: 2767.524+/-1361.926 χ^2/NDF : 71.9/79

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8513.665 $\pm$ 2.395 χ^2 /NDF: 762614.5/16

Left Out: 9628.779 $\pm$ 1.663 χ^2 /NDF:1004617.3/22

Right Out: 8044.739 $\pm$ 2.240 χ^2 /NDF: 952310.5/18

Left In: 9648.208 $\pm$ 1.708 χ^2 /NDF:1077093.8/20

Left: 9638.236 $\pm$ 1.191 χ^2 /NDF: 2081777.5/43

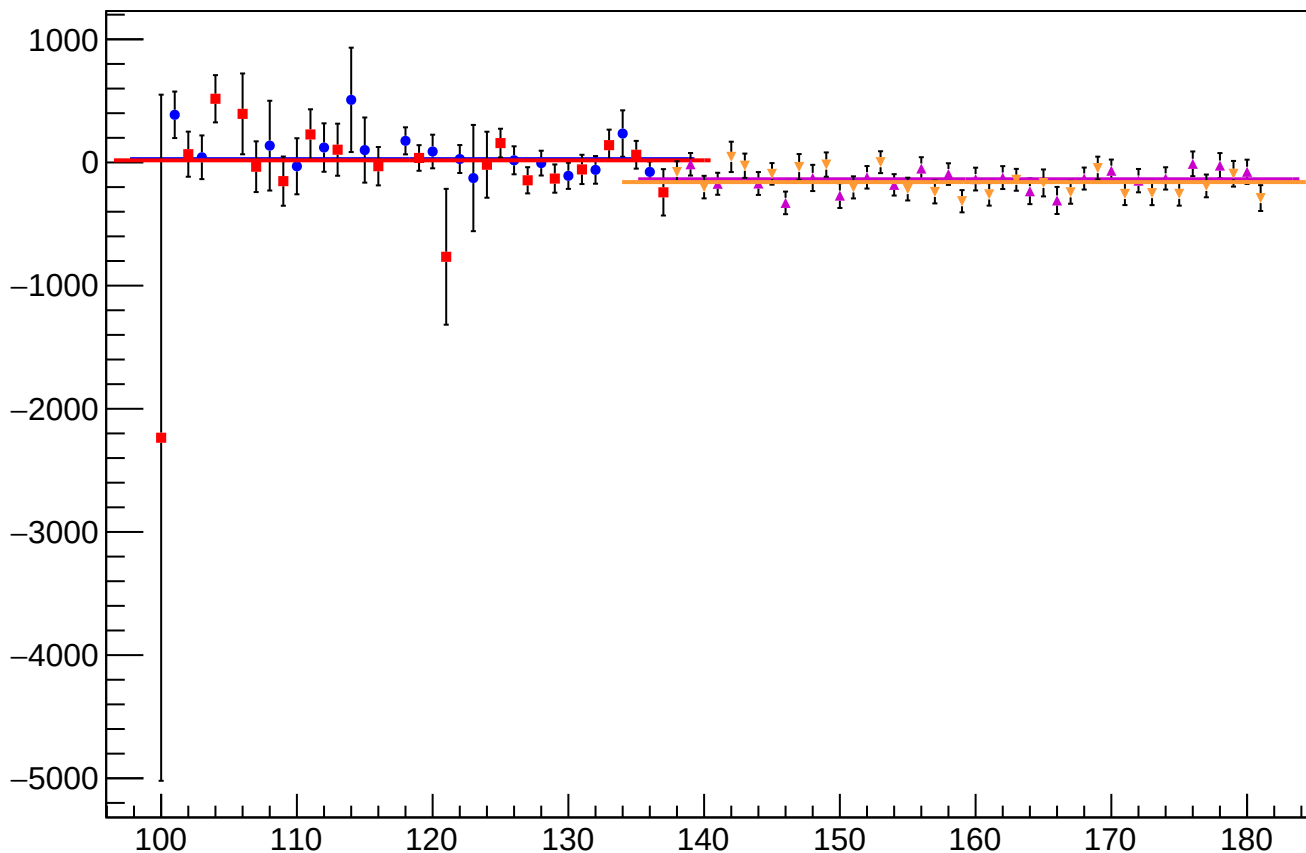
Right: 8263.507 $\pm$ 1.636 χ^2 /NDF: 1735374.5/35

In: 9265.862 $\pm$ 1.390 χ^2 /NDF:1988478.5/37

Out: 9065.911 $\pm$ 1.335 χ^2 /NDF:2279376.8/41

All: 9161.834 $\pm$ 0.963 χ^2 /NDF: 4278615.2/79

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 26.932 ± 34.029 χ^2/NDF : 12.6/16

Left Out: -159.272 ± 19.830 χ^2/NDF : 25.8/22

Right Out: 17.368 ± 35.548 χ^2/NDF : 21.9/18

Left In: -136.550 ± 20.618 χ^2/NDF : 16.7/20

Left: -148.353 ± 14.292 χ^2/NDF : 43.1/43

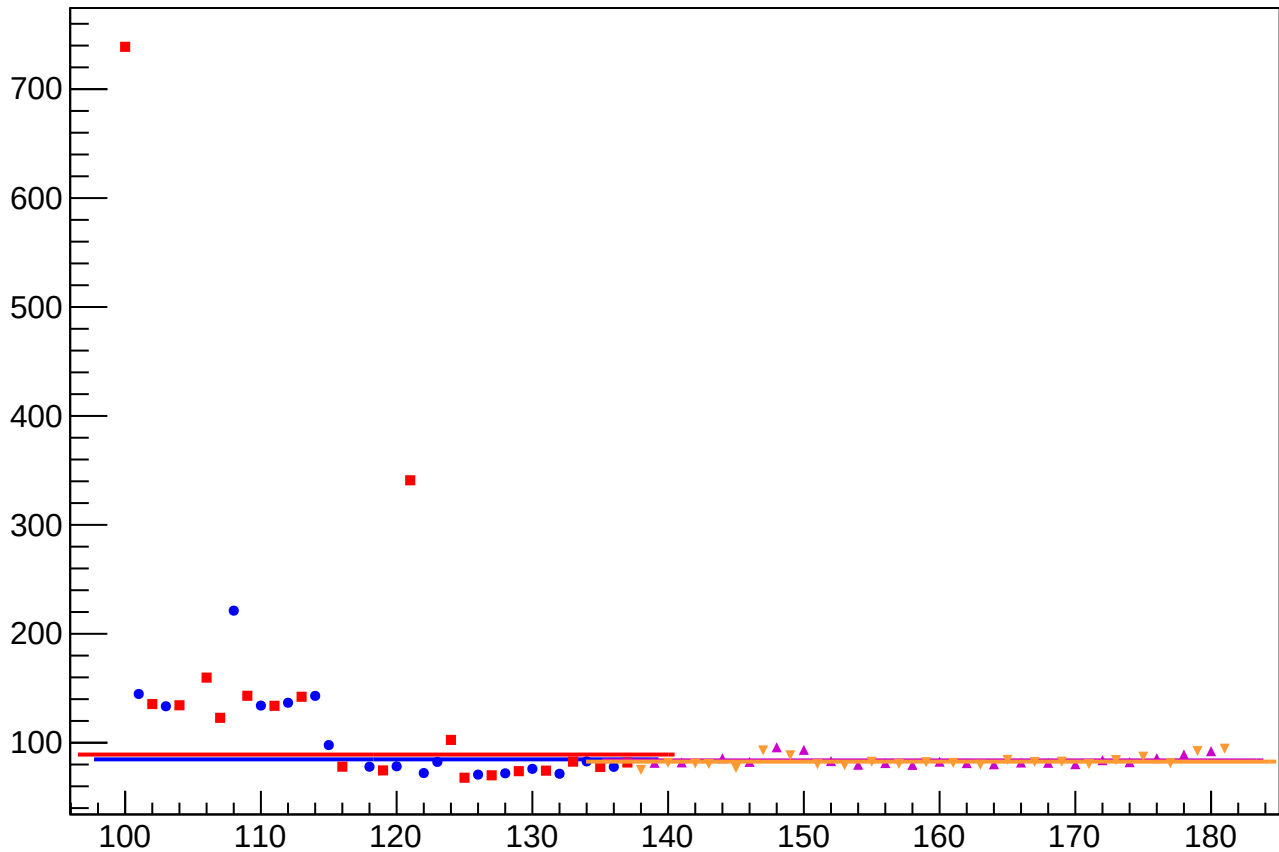
Right: 22.359 ± 24.581 χ^2/NDF : 34.5/35

In: -92.651 ± 17.634 χ^2/NDF : 46.2/37

Out: -117.348 ± 17.318 χ^2/NDF : 66.4/41

All: -105.223 ± 12.356 χ^2/NDF : 113.6/79

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 84.737 $\pm$ 0.024 χ^2 /NDF: 1064420.0/16

Left Out: 82.661 $\pm$ 0.014 χ^2 /NDF:109400.0/22

Right Out: 89.143 $\pm$ 0.025 χ^2 /NDF: 1559269.8/18

Left In: 83.802 $\pm$ 0.015 χ^2 /NDF:88402.4/20

Left: 83.209 $\pm$ 0.010 χ^2 /NDF: 200989.2/43

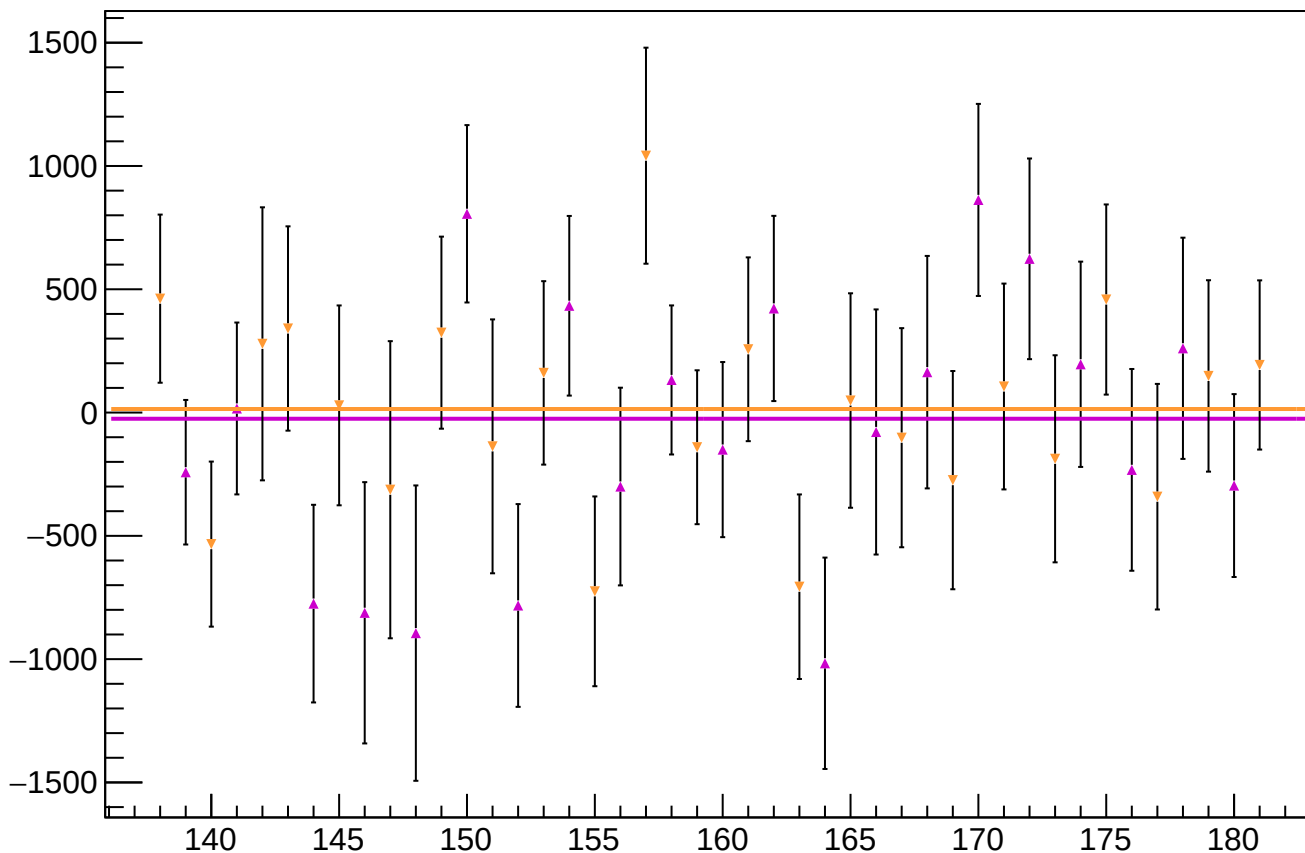
Right: 86.844 $\pm$ 0.017 χ^2 /NDF: 2639723.0/35

In: 84.053 $\pm$ 0.012 χ^2 /NDF:1153926.1/37

Out: 84.199 $\pm$ 0.012 χ^2 /NDF:1719396.0/41

All: 84.128 $\pm$ 0.009 χ^2 /NDF: 2873391.6/79

asym_sam1_correction_mean vs Slug, Sign Corrected



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

Left Out: 14.408 $\pm$ 83.585 χ^2 /NDF:23.1/22

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

Left In: -25.080 $\pm$ 85.617 χ^2 /NDF:35.7/20

Left: -4.862 $\pm$ 59.809 χ^2 /NDF: 58.9/43

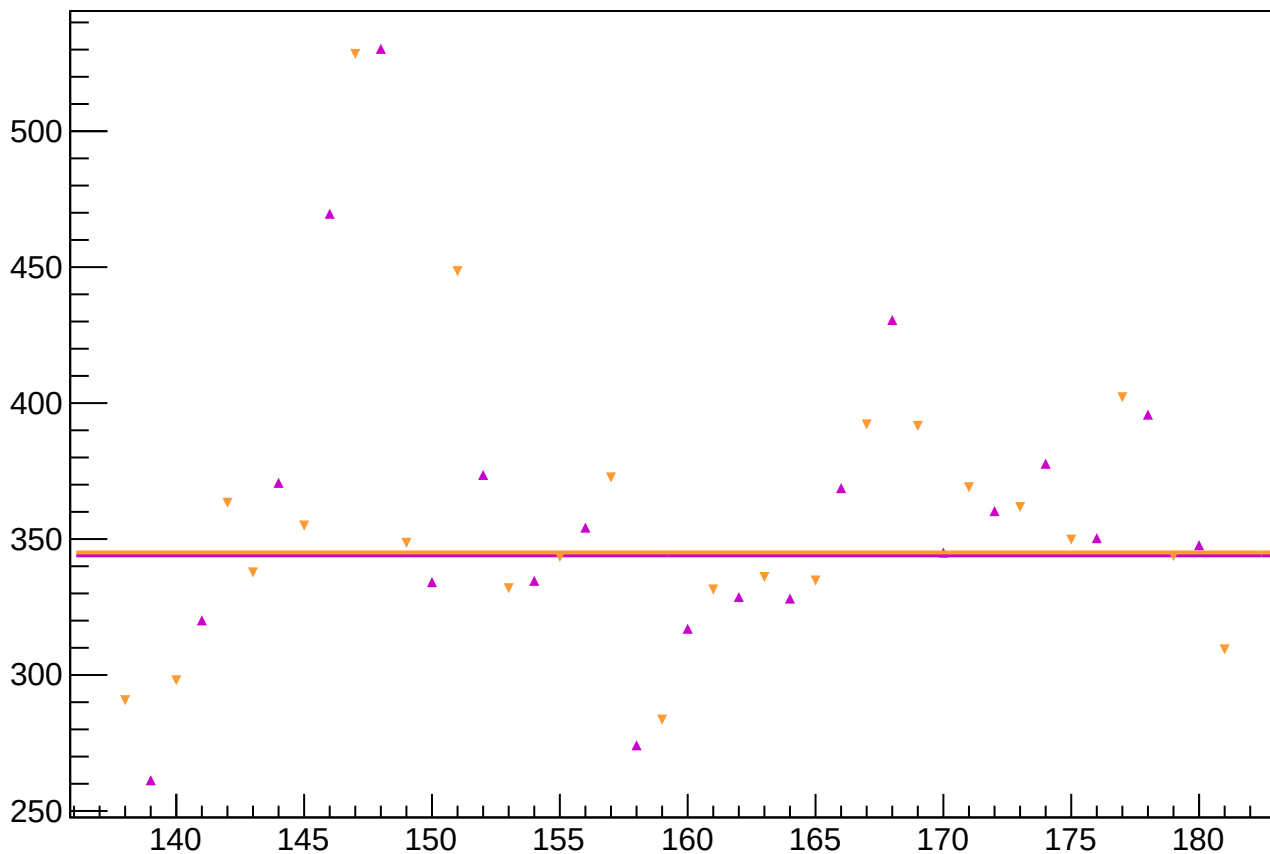
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -25.080 $\pm$ 85.617 χ^2 /NDF:35.7/20

Out: 14.408 $\pm$ 83.585 χ^2 /NDF:23.1/22

All: -4.862 $\pm$ 59.809 χ^2 /NDF: 58.9/43

asym_sam1_correction_rms vs Slug, Sign Corrected



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

Left Out: 345.056+/-0.059 χ^2/NDF :560857.3/22

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

Left In: 344.034+/-0.061 χ^2/NDF :738322.5/20

Left: 344.557+/-0.042 χ^2/NDF : 1299325.8/43

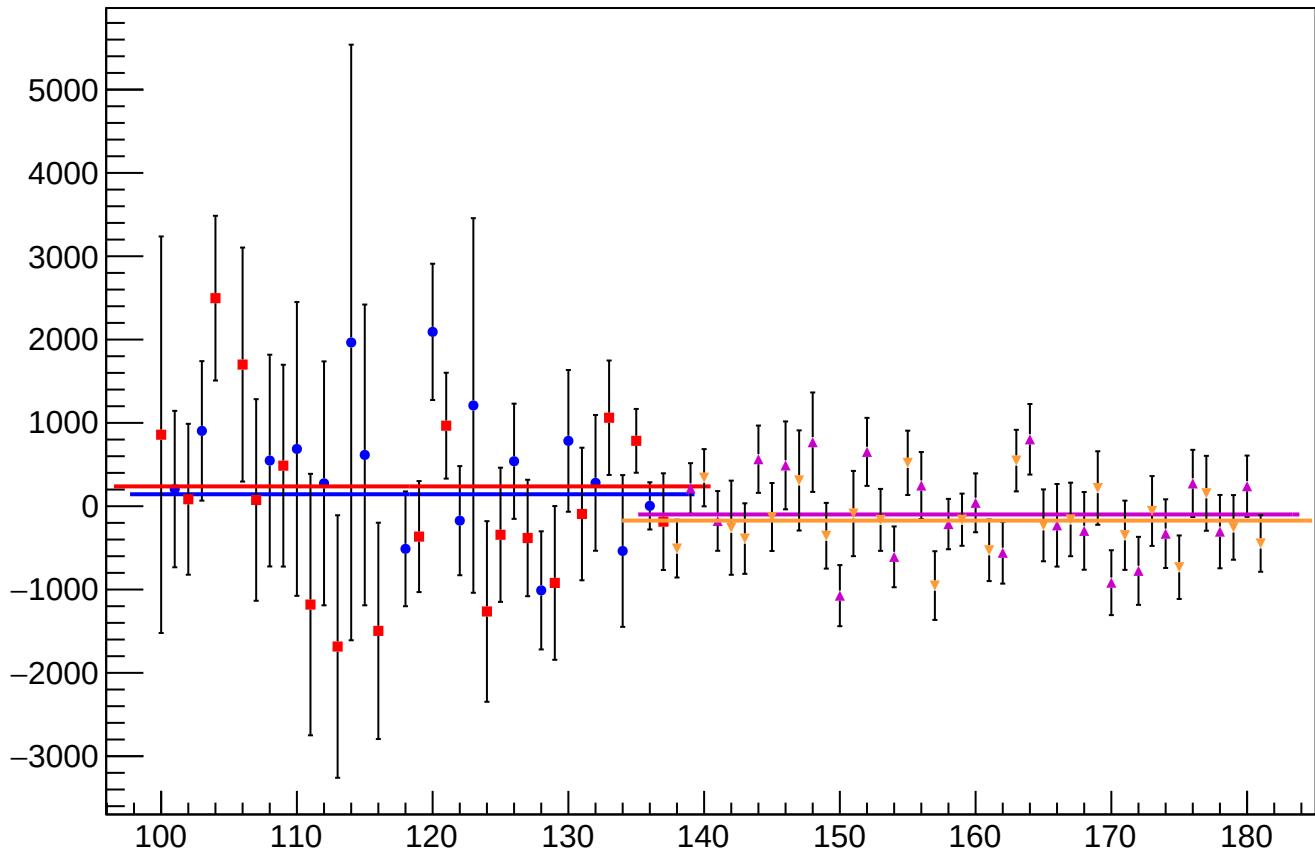
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 344.034+/-0.061 χ^2/NDF :738322.5/20

Out: 345.056+/-0.059 χ^2/NDF :560857.3/22

All: 344.557+/-0.042 χ^2/NDF : 1299325.8/43

asym_sam1_mean vs Slug, Sign Corrected



Right In: 143.486 $\pm$ 179.237 χ^2 /NDF: 12.8/16

Left Out: -172.621 $\pm$ 83.479 χ^2 /NDF:20.3/22

Right Out: 237.821 $\pm$ 183.995 χ^2 /NDF: 21.7/18

Left In: -98.881 $\pm$ 85.747 χ^2 /NDF:36.3/20

Left: -136.739 $\pm$ 59.814 χ^2 /NDF: 57.0/43

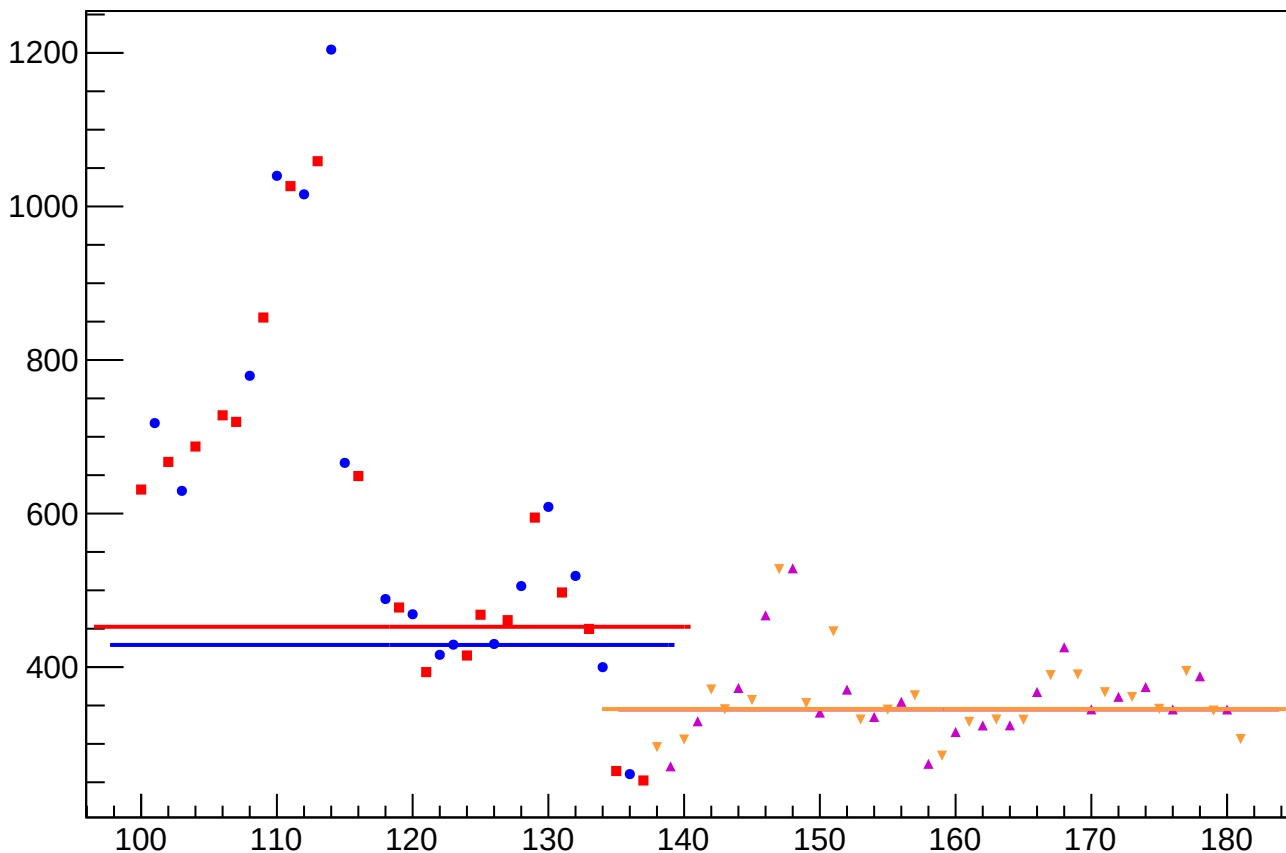
Right: 189.418 $\pm$ 128.389 χ^2 /NDF: 34.6/35

In: -53.742 $\pm$ 77.351 χ^2 /NDF:50.6/37

Out: -102.556 $\pm$ 76.020 χ^2 /NDF:46.1/41

All: -78.573 $\pm$ 54.219 χ^2 /NDF: 96.9/79

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.856+/-0.127 χ^2/NDF : 2012329.6/16

Left Out: 345.341+/-0.059 χ^2/NDF : 526857.3/22

Right Out: 452.517+/-0.130 χ^2/NDF : 2039238.5/18

Left In: 344.864+/-0.061 χ^2/NDF : 673107.5/20

Left: 345.109+/-0.042 χ^2/NDF : 1199996.6/43

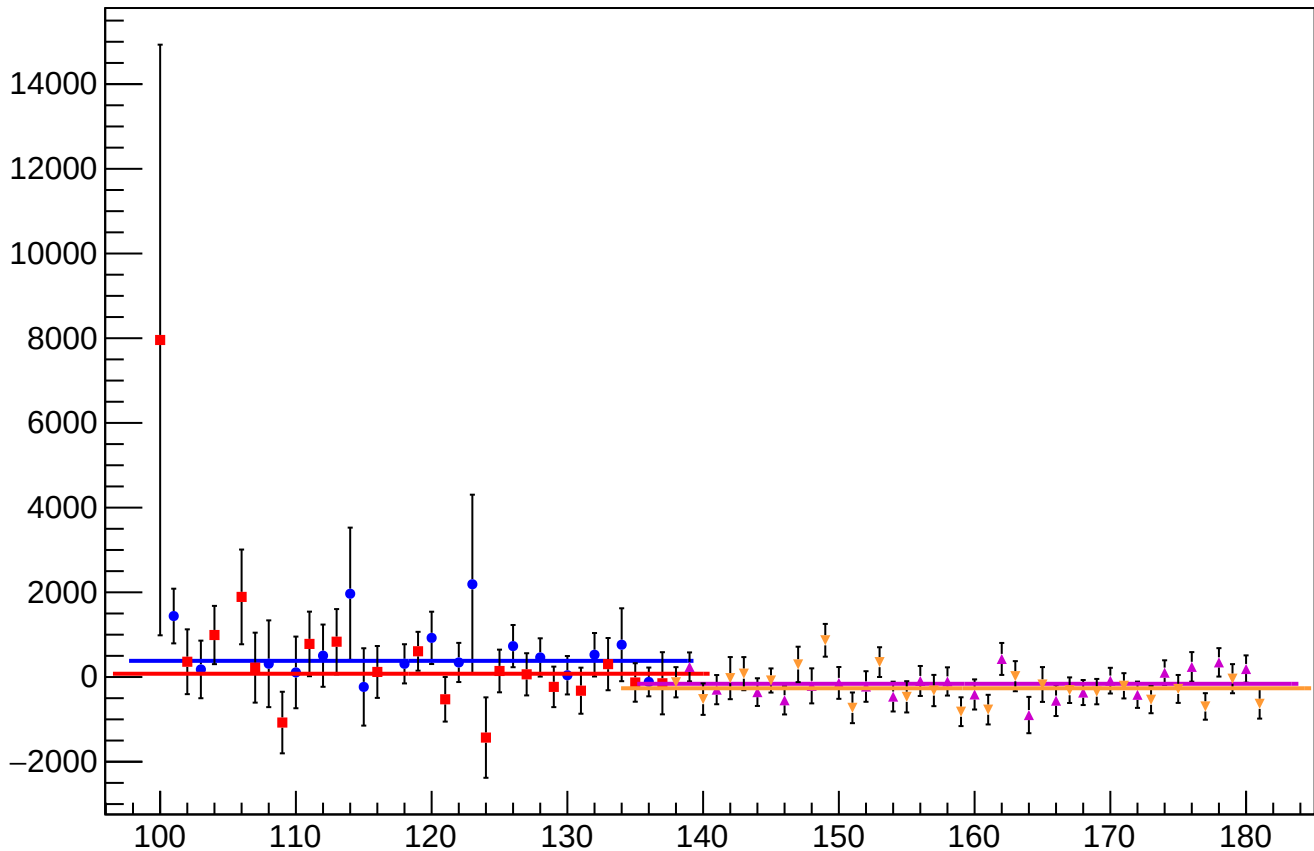
Right: 440.377+/-0.091 χ^2/NDF : 4068538.6/35

In: 360.507+/-0.055 χ^2/NDF : 3042829.3/37

Out: 363.637+/-0.054 χ^2/NDF : 3128855.5/41

All: 362.099+/-0.038 χ^2/NDF : 6173350.6/79

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 381.893 ± 141.192 $\chi^2/\text{NDF}: 9.4/16$

Left Out: -265.435 ± 72.428 $\chi^2/\text{NDF}: 27.2/22$

Right Out: 77.490 ± 143.469 $\chi^2/\text{NDF}: 16.8/18$

Left In: -160.045 ± 74.553 $\chi^2/\text{NDF}: 18.0/20$

Left: -214.263 ± 51.949 $\chi^2/\text{NDF}: 46.2/43$

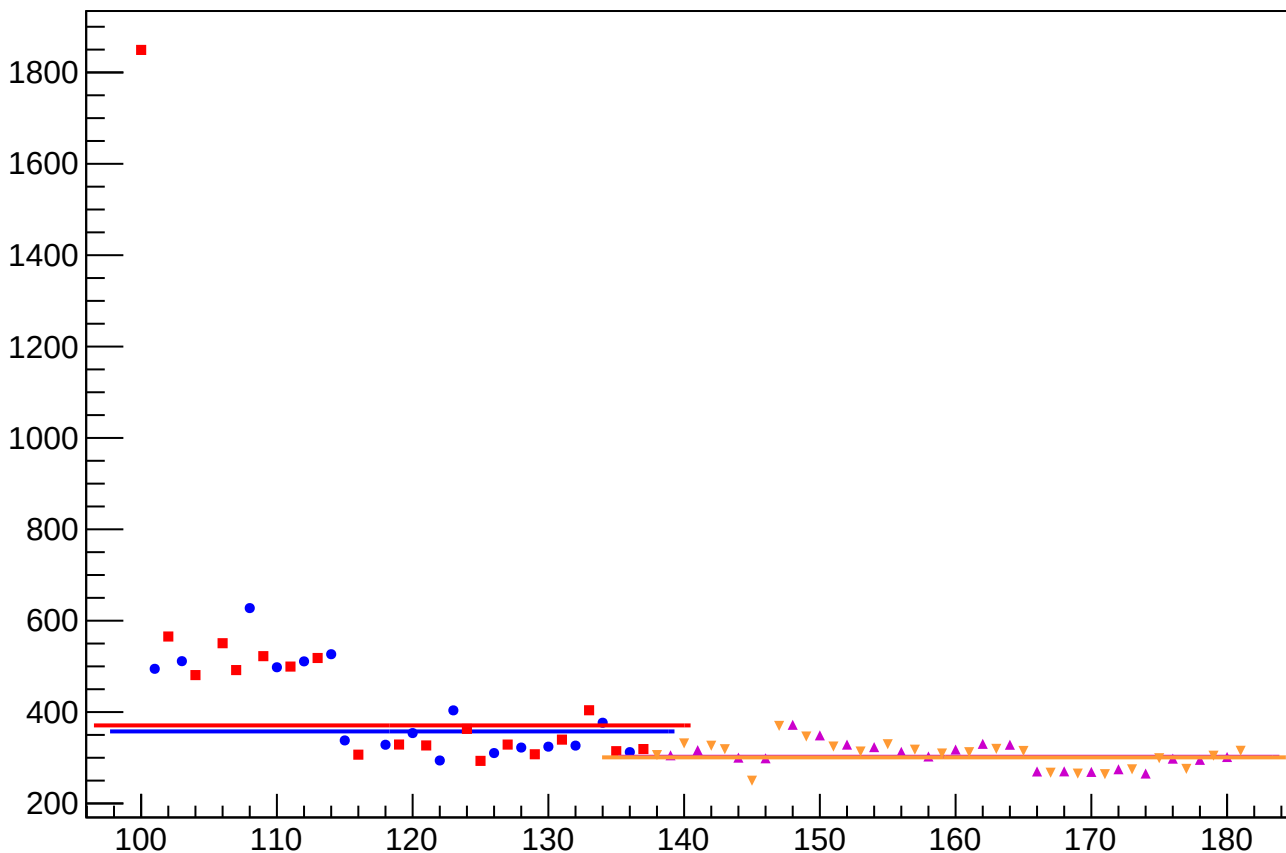
Right: 232.126 ± 100.633 $\chi^2/\text{NDF}: 28.5/35$

In: -41.892 ± 65.926 $\chi^2/\text{NDF}: 38.9/37$

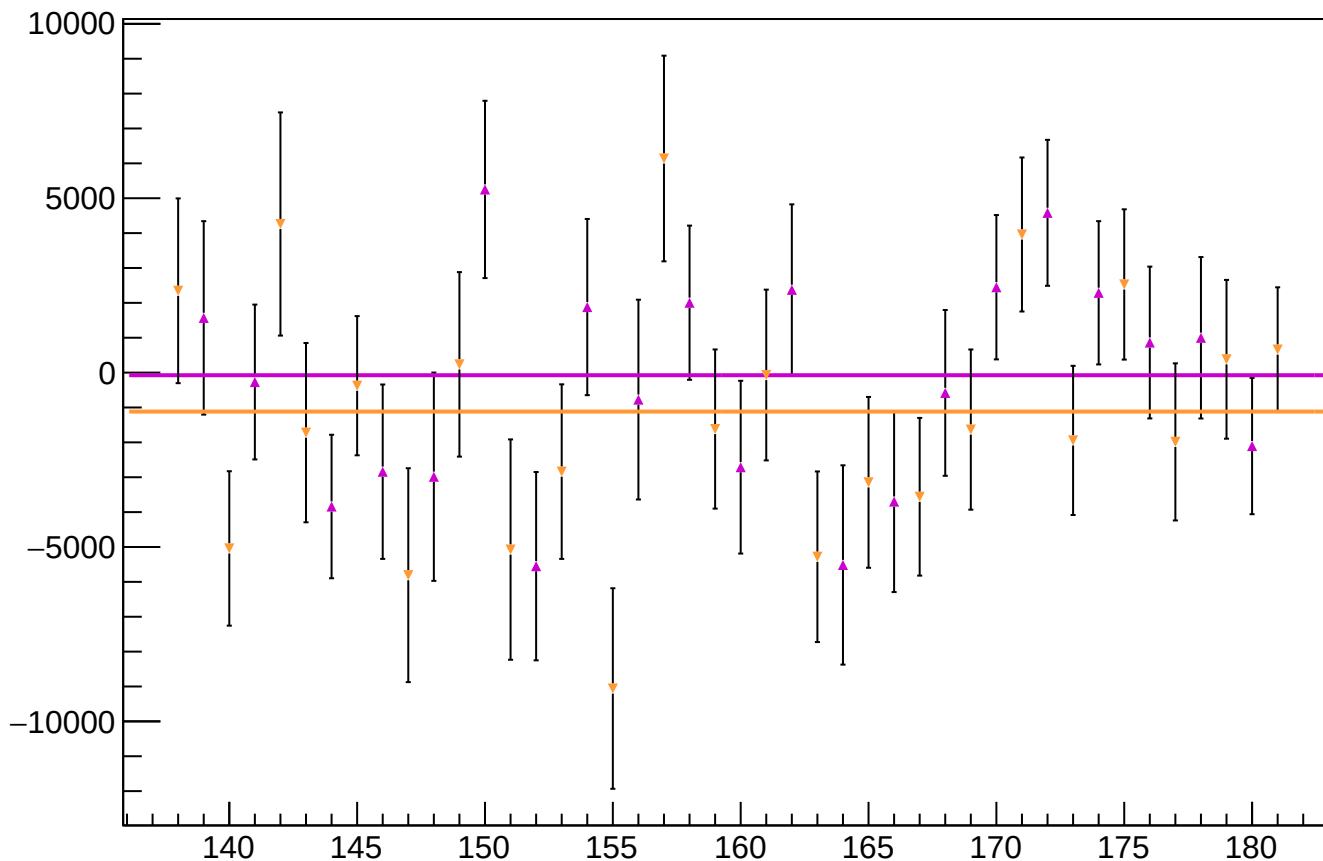
Out: -195.787 ± 64.656 $\chi^2/\text{NDF}: 48.5/41$

All: -120.336 ± 46.161 $\chi^2/\text{NDF}: 90.2/79$

dit_asym_sam2_rms vs Slug, Sign Corrected



asym_sam2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1117.069+/-499.217 χ^2/NDF :41.1/22

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

Left In: -74.762+/-516.228 χ^2/NDF :32.9/20

Left: -613.372+/-358.863 χ^2/NDF : 76.1/43

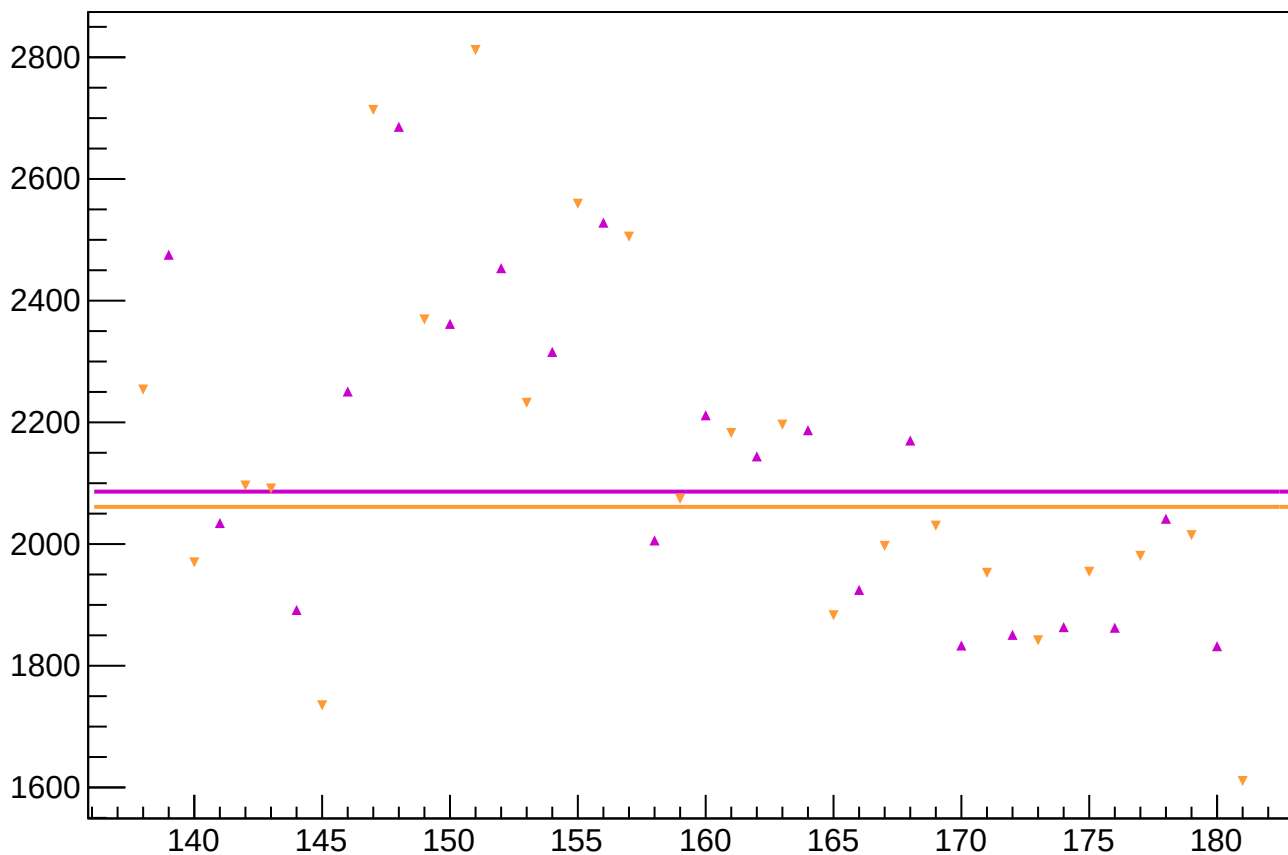
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -74.762+/-516.228 χ^2/NDF :32.9/20

Out: -1117.069+/-499.217 χ^2/NDF :41.1/22

All: -613.372+/-358.863 χ^2/NDF : 76.1/43

asym_sam2_correction_rms vs Slug, Sign Corrected



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

Left Out: 2061.141+/-0.353 χ^2/NDF :598344.2/22

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

Left In: 2086.170+/-0.365 χ^2/NDF :428273.1/20

Left: 2073.236+/-0.254 χ^2/NDF : 1029046.7/43

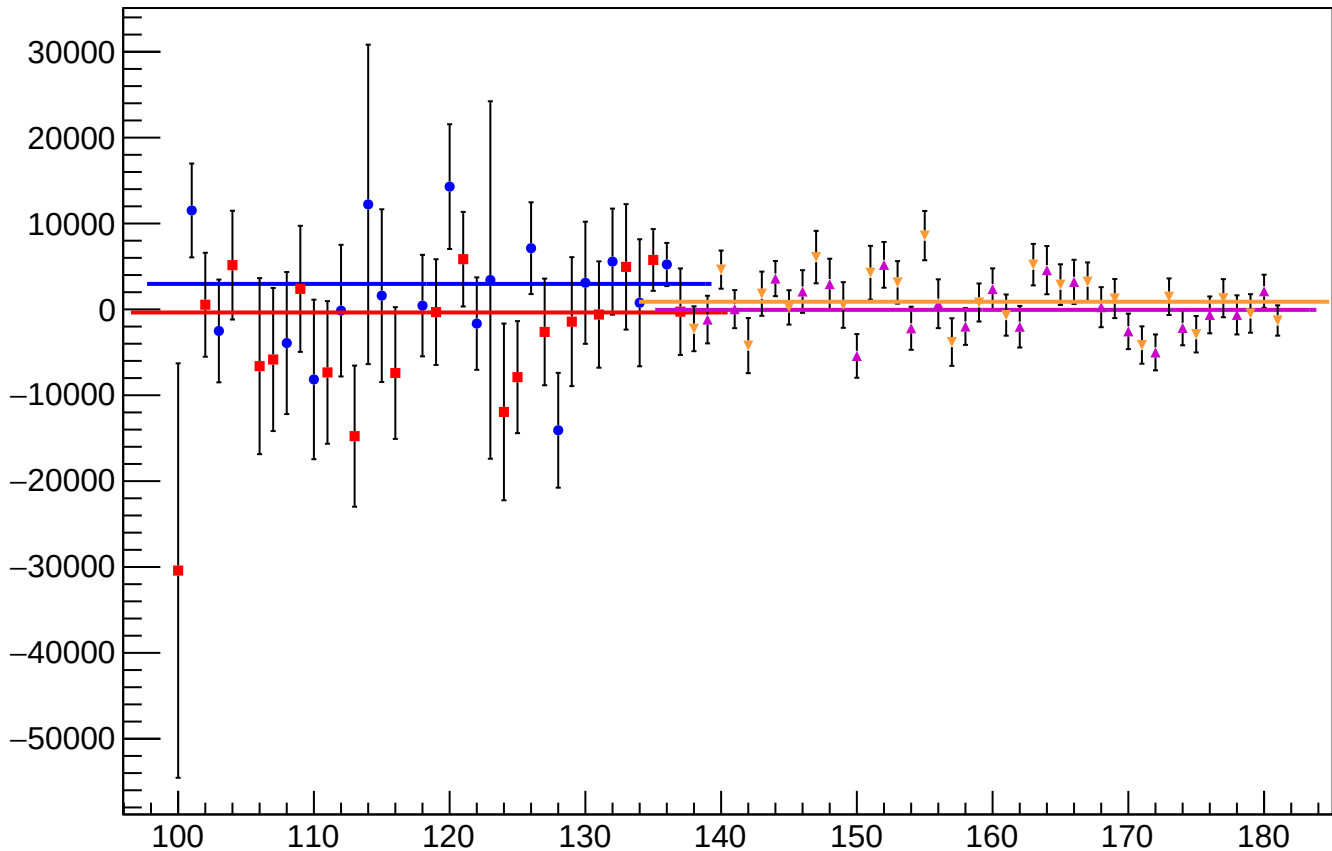
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2086.170+/-0.365 χ^2/NDF :428273.1/20

Out: 2061.141+/-0.353 χ^2/NDF :598344.2/22

All: 2073.236+/-0.254 χ^2/NDF : 1029046.7/43

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2969.125+/-1440.489 χ^2/NDF : 17.4/16

Left Out: 889.265+/-493.400 χ^2/NDF : 38.0/22

Right Out: -358.685+/-1507.064 χ^2/NDF : 15.3/18

Left In: -56.895+/-510.736 χ^2/NDF : 30.6/20

Left: 432.516+/-354.857 χ^2/NDF : 70.4/43

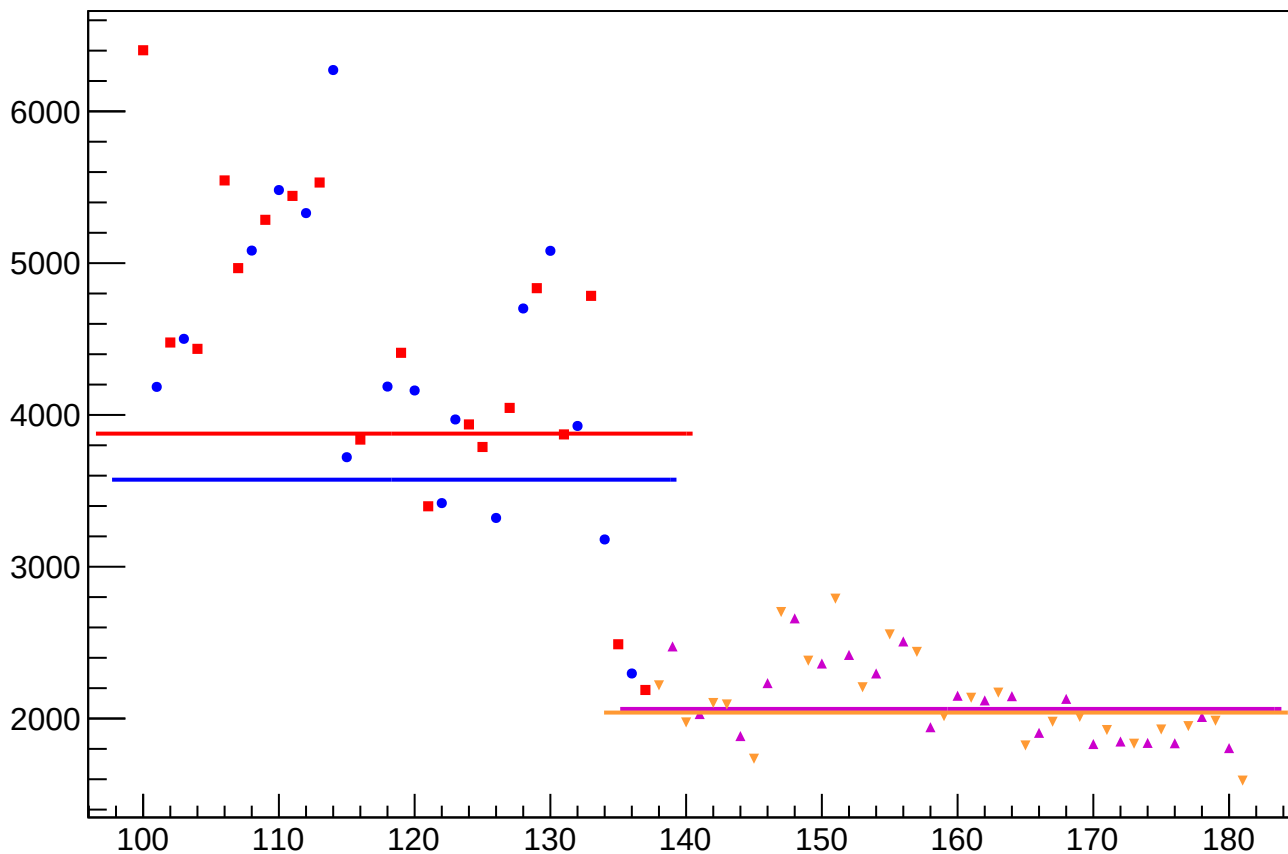
Right: 1380.346+/-1041.320 χ^2/NDF : 35.3/35

In: 281.029+/-481.375 χ^2/NDF : 51.9/37

Out: 768.453+/-468.909 χ^2/NDF : 54.0/41

All: 531.134+/-335.889 χ^2/NDF : 106.4/79

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3573.470+/-1.019 χ^2/NDF : 1088731.5/16

Left Out: 2039.235+/-0.349 χ^2/NDF : 606845.0/22

Right Out: 3876.914+/-1.066 χ^2/NDF : 988409.8/18

Left In: 2063.178+/-0.361 χ^2/NDF : 430603.5/20

Left: 2050.793+/-0.251 χ^2/NDF : 1039722.0/43

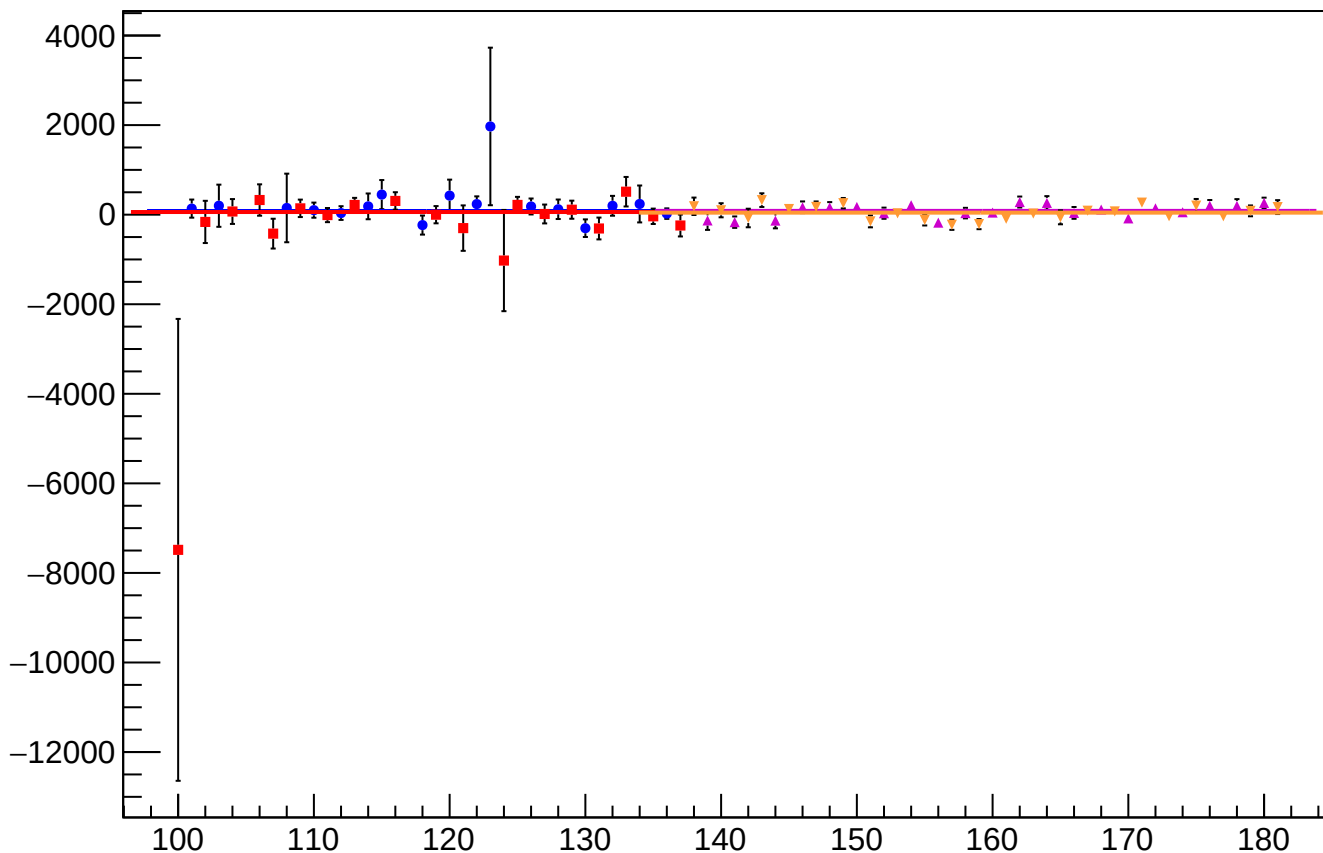
Right: 3718.342+/-0.736 χ^2/NDF : 2119512.7/35

In: 2231.836+/-0.340 χ^2/NDF : 3472346.0/37

Out: 2217.138+/-0.332 χ^2/NDF : 4281128.1/41

All: 2224.294+/-0.238 χ^2/NDF : 7754430.9/79

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 81.851+/-51.907 χ^2/NDF : 11.5/16

Left Out: 45.272+/-23.687 χ^2/NDF : 37.1/22

Right Out: 59.008+/-53.165 χ^2/NDF : 16.4/18

Left In: 84.208+/-24.653 χ^2/NDF : 27.5/20

Left: 63.962+/-17.080 χ^2/NDF : 65.9/43

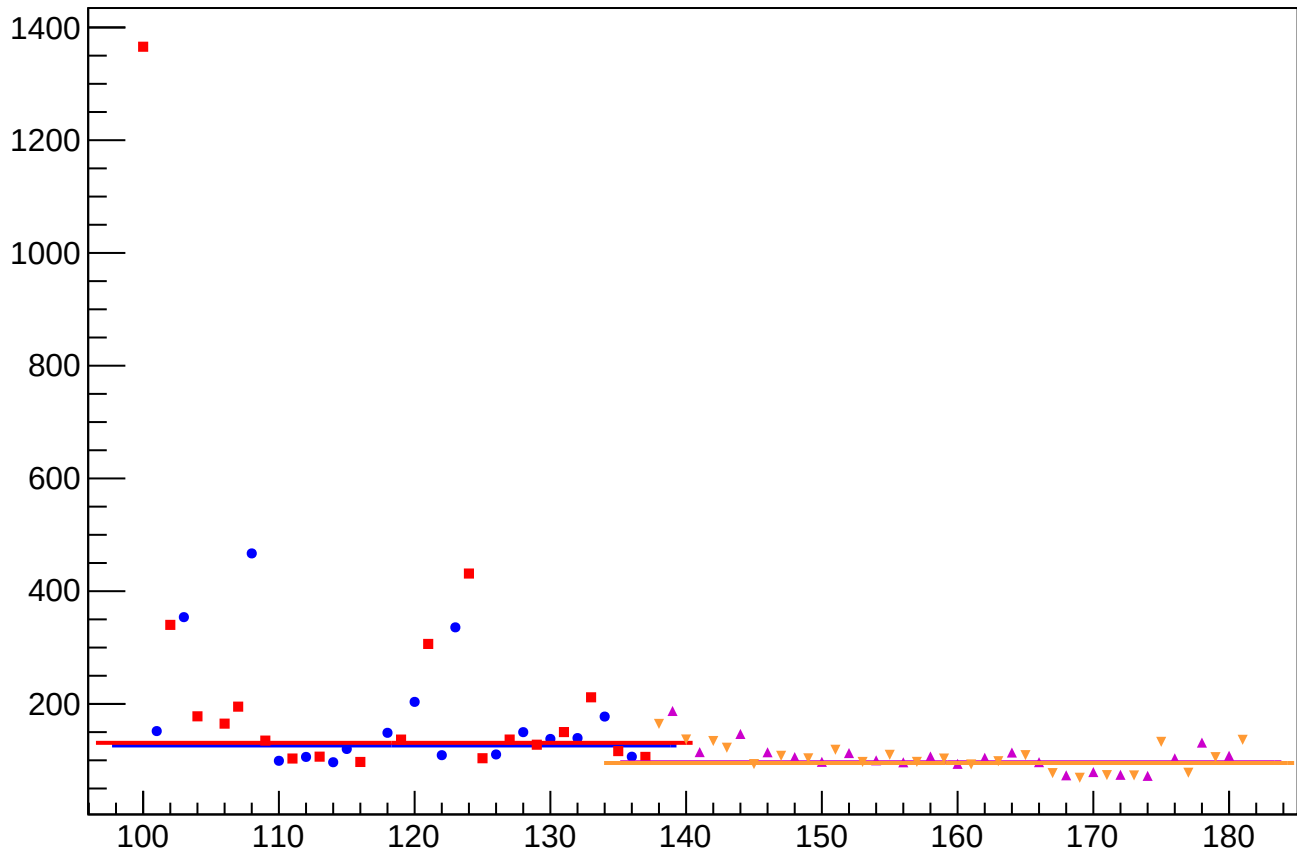
Right: 70.703+/-37.141 χ^2/NDF : 28.1/35

In: 83.774+/-22.269 χ^2/NDF : 39.1/37

Out: 47.547+/-21.636 χ^2/NDF : 53.6/41

All: 65.138+/-15.518 χ^2/NDF : 94.0/79

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 126.339 $\pm$ 0.037 χ^2 /NDF: 1310585.0/16

Left Out: 95.236 $\pm$ 0.017 χ^2 /NDF:1610390.0/22

Right Out: 131.007 $\pm$ 0.038 χ^2 /NDF: 1429260.8/18

Left In: 96.606 $\pm$ 0.017 χ^2 /NDF:1400521.7/20

Left: 95.894 $\pm$ 0.012 χ^2 /NDF: 3014123.9/43

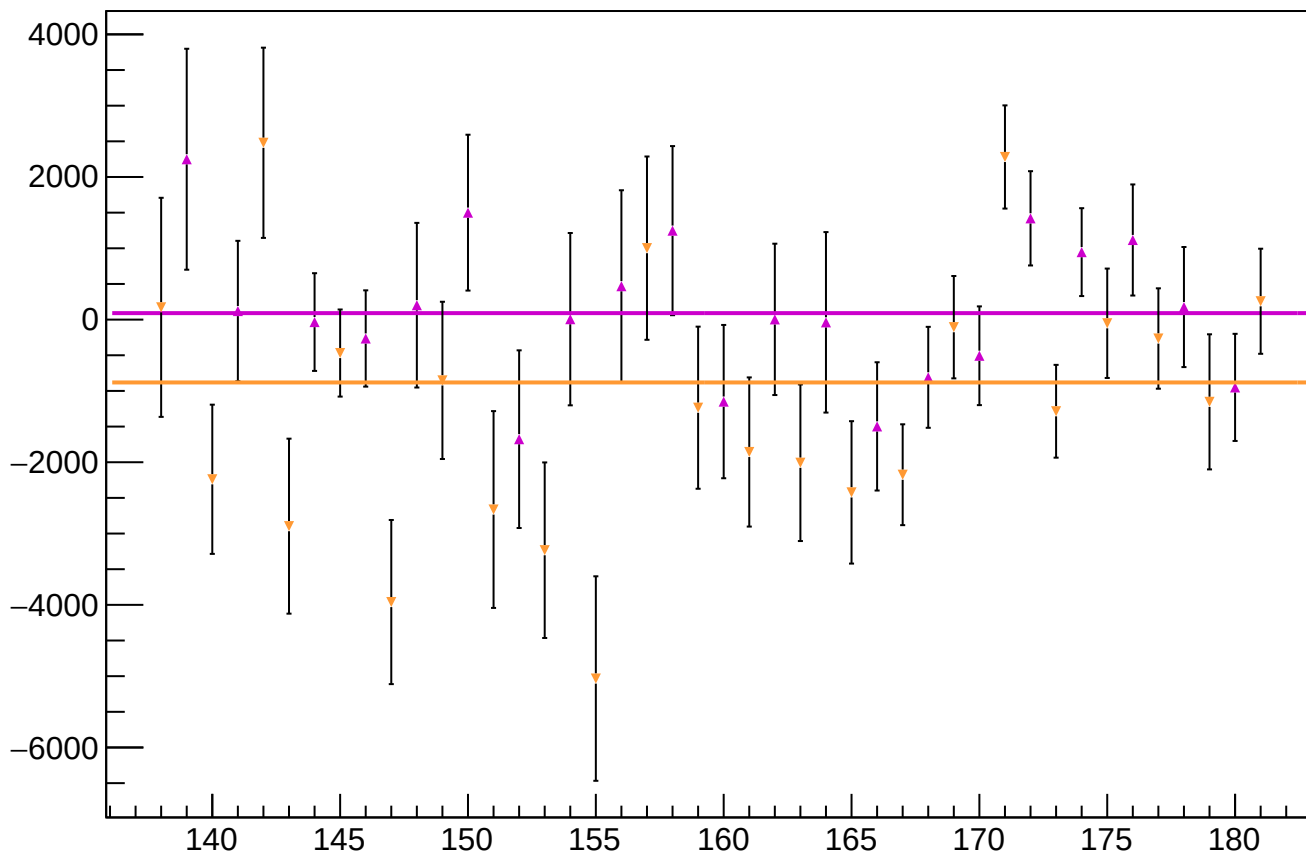
Right: 128.617 $\pm$ 0.026 χ^2 /NDF: 2747739.0/35

In: 102.079 $\pm$ 0.016 χ^2 /NDF:3246554.1/37

Out: 101.160 $\pm$ 0.015 χ^2 /NDF:3795092.5/41

All: 101.606 $\pm$ 0.011 χ^2 /NDF: 7043395.9/79

asym_sam3_correction_mean vs Slug, Sign Corrected



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

Left Out: -881.262 $\pm$ 190.667 χ^2 /NDF:67.5/22

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

Left In: 90.973 $\pm$ 191.026 χ^2 /NDF:23.4/20

Left: -396.060 $\pm$ 134.949 χ^2 /NDF: 103.9/43

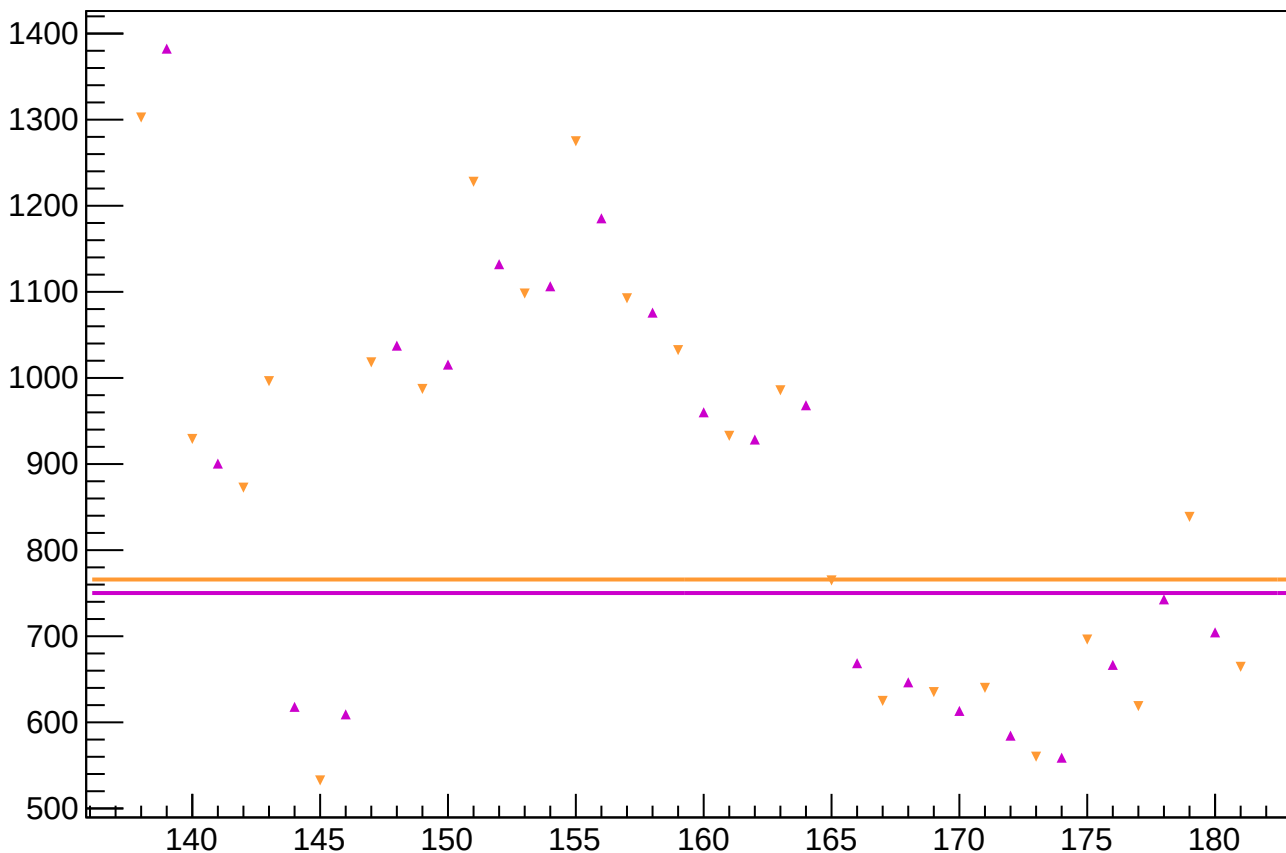
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 90.973 $\pm$ 191.026 χ^2 /NDF:23.4/20

Out: -881.262 $\pm$ 190.667 χ^2 /NDF:67.5/22

All: -396.060 $\pm$ 134.949 χ^2 /NDF: 103.9/43

asym_sam3_correction_rms vs Slug, Sign Corrected



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

Left Out: 765.903+/-0.135 χ^2/NDF : 2396565.7/22

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

Left In: 750.186+/-0.135 χ^2/NDF : 2183826.1/20

Left: 758.059+/-0.095 χ^2/NDF : 4587174.5/43

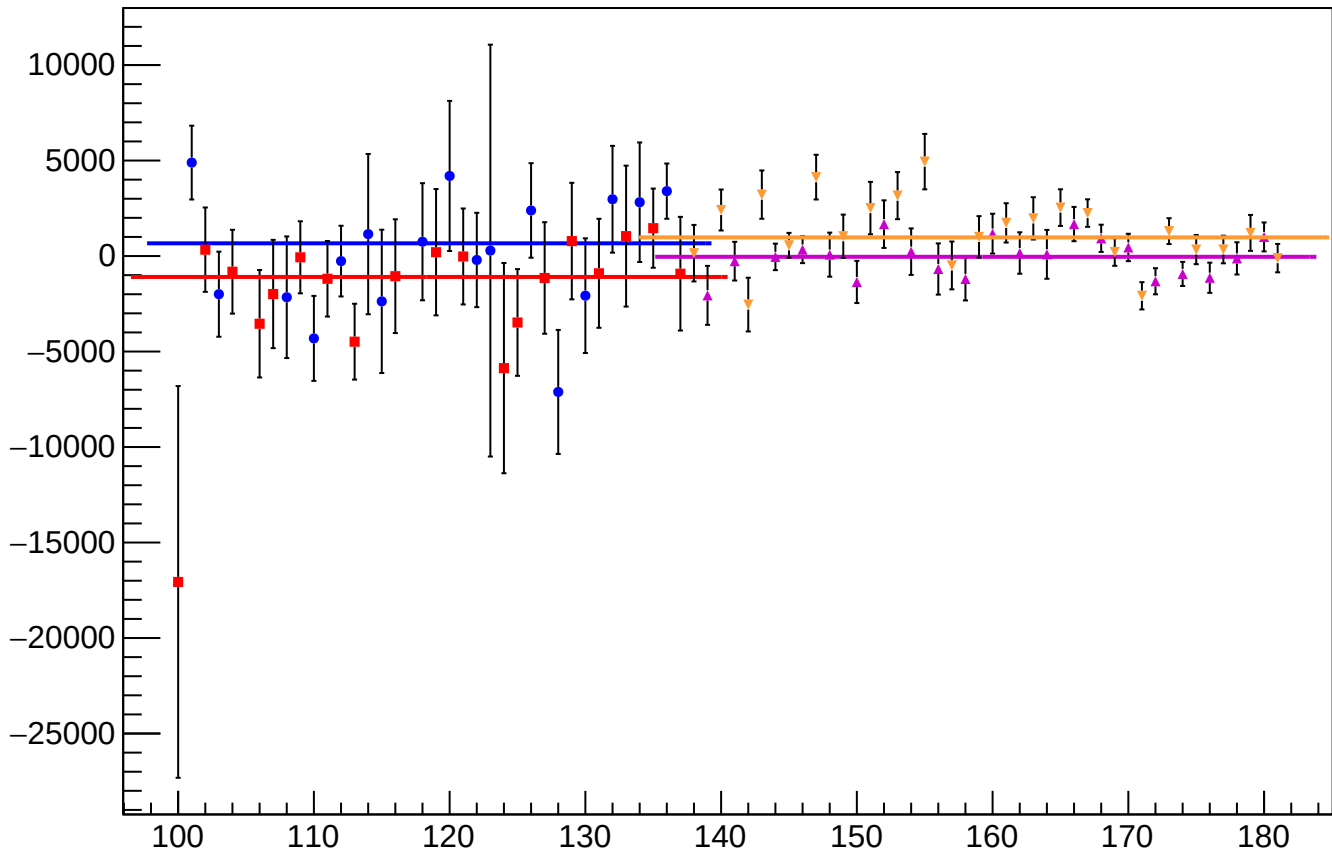
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 750.186+/-0.135 χ^2/NDF : 2183826.1/20

Out: 765.903+/-0.135 χ^2/NDF : 2396565.7/22

All: 758.059+/-0.095 χ^2/NDF : 4587174.5/43

asym_sam3_mean vs Slug, Sign Corrected



Right In: 666.453 $\pm$ 618.839 χ^2/NDF : 25.6/16

Left Out: 977.428 $\pm$ 192.946 χ^2/NDF : 62.9/22

Right Out: -1094.278 $\pm$ 602.639 χ^2/NDF : 11.0/18

Left In: -40.030 $\pm$ 193.778 χ^2/NDF : 23.4/20

Left: 470.889 $\pm$ 136.727 χ^2/NDF : 100.1/43

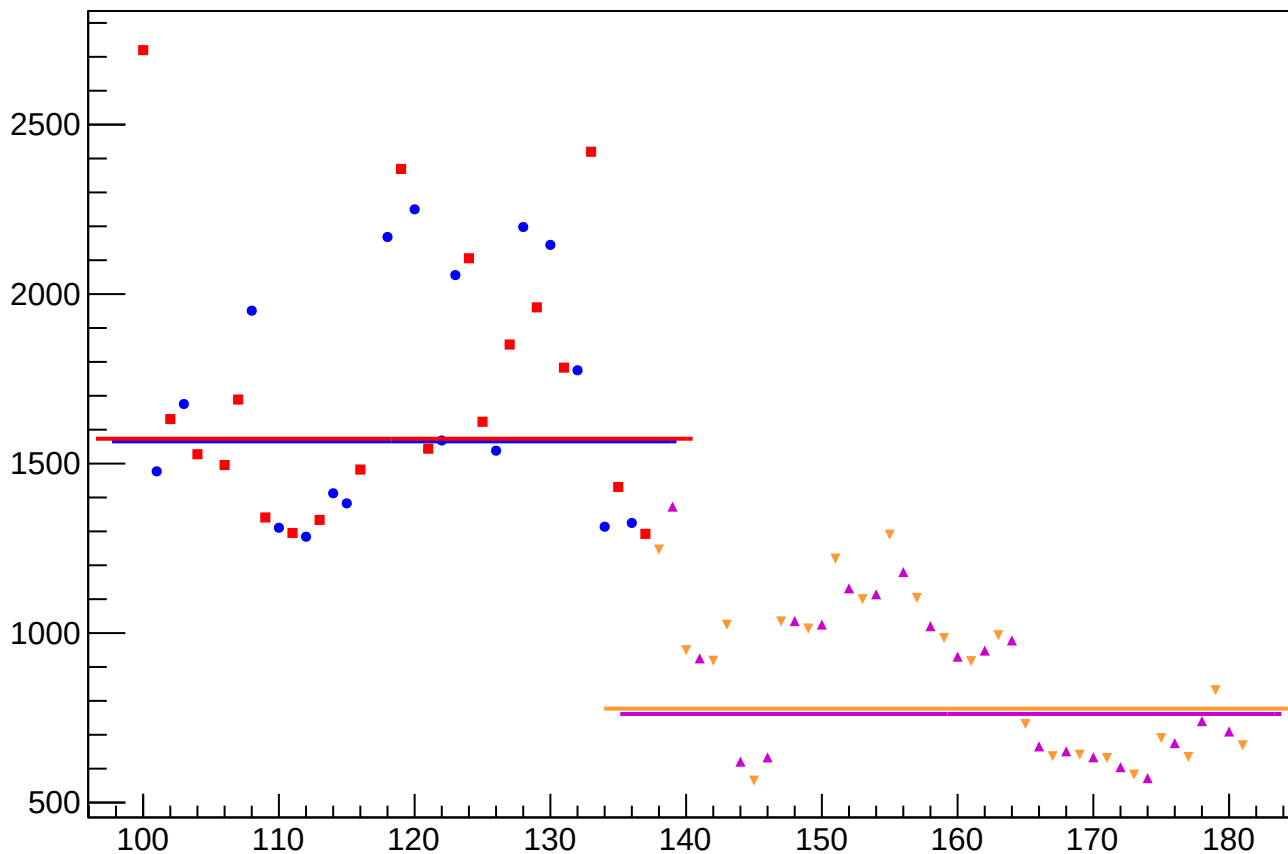
Right: -237.260 $\pm$ 431.744 χ^2/NDF : 40.8/35

In: 23.056 $\pm$ 184.924 χ^2/NDF : 50.2/37

Out: 784.807 $\pm$ 183.757 χ^2/NDF : 84.6/41

All: 406.342 $\pm$ 130.347 χ^2/NDF : 143.3/79

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1565.623 $\pm$ 0.438 χ^2 /NDF: 490790.2/16

Left Out: 777.072 $\pm$ 0.136 χ^2 /NDF: 2217333.4/22

Right Out: 1573.366 $\pm$ 0.426 χ^2 /NDF: 462040.3/18

Left In: 761.349 $\pm$ 0.137 χ^2 /NDF: 2010593.7/20

Left: 769.244 $\pm$ 0.097 χ^2 /NDF: 4234539.1/43

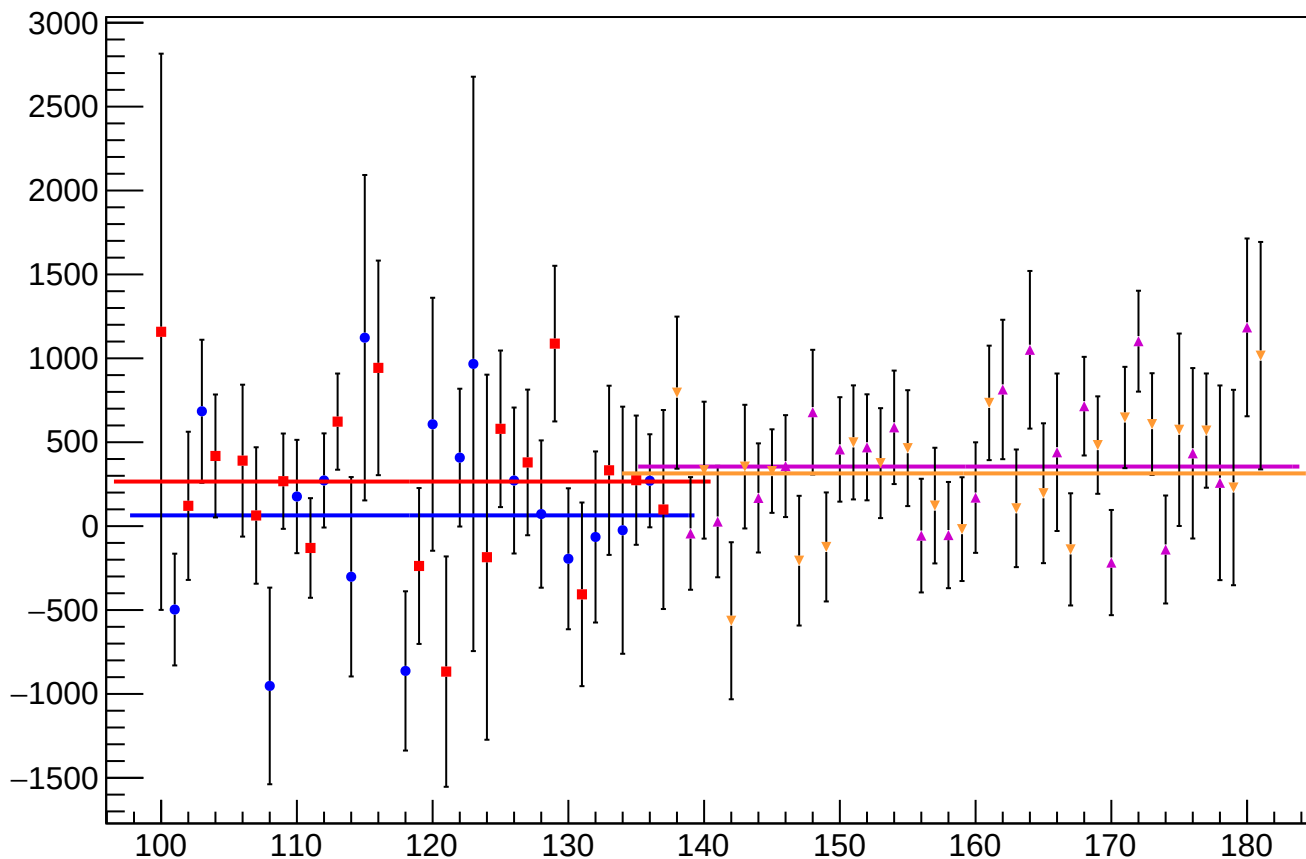
Right: 1569.597 $\pm$ 0.305 χ^2 /NDF: 952991.2/35

In: 833.167 $\pm$ 0.131 χ^2 /NDF: 5577904.9/37

Out: 851.109 $\pm$ 0.130 χ^2 /NDF: 5846609.4/41

All: 842.195 $\pm$ 0.092 χ^2 /NDF: 11433987.0/79

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 64.087 ± 105.336 $\chi^2/\text{NDF}: 16.8/16$

Left Out: 314.193 ± 74.065 $\chi^2/\text{NDF}: 18.4/22$

Right Out: 265.661 ± 99.379 $\chi^2/\text{NDF}: 14.7/18$

Left In: 355.002 ± 76.642 $\chi^2/\text{NDF}: 27.0/20$

Left: 333.900 ± 53.260 $\chi^2/\text{NDF}: 45.5/43$

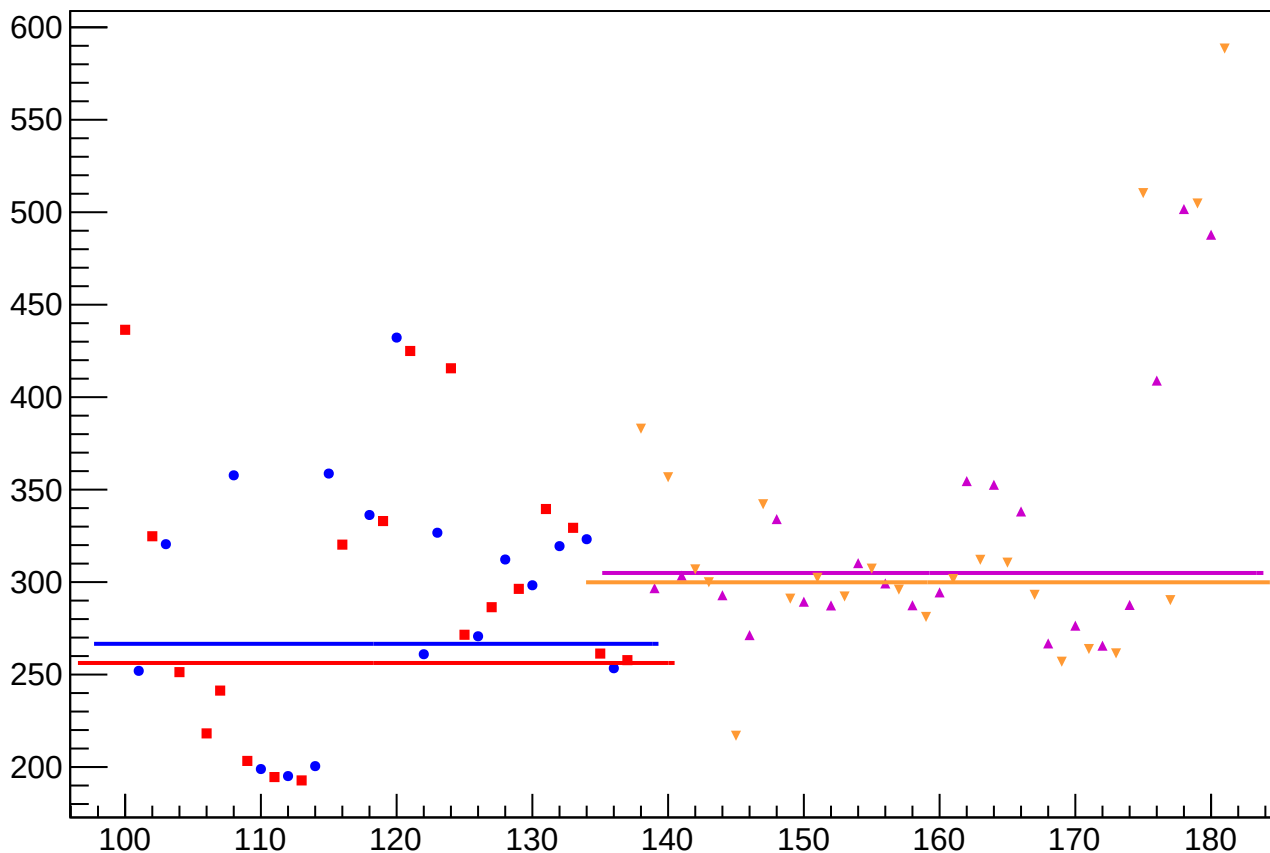
Right: 170.735 ± 72.286 $\chi^2/\text{NDF}: 33.4/35$

In: 254.303 ± 61.974 $\chi^2/\text{NDF}: 48.7/37$

Out: 296.863 ± 59.386 $\chi^2/\text{NDF}: 33.3/41$

All: 276.490 ± 42.878 $\chi^2/\text{NDF}: 82.2/79$

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 266.624 $\pm$ 0.074 χ^2 /NDF: 550752.5/16

Left Out: 299.895 $\pm$ 0.052 χ^2 /NDF:1353995.2/22

Right Out: 256.268 $\pm$ 0.070 χ^2 /NDF: 696896.2/18

Left In: 304.936 $\pm$ 0.054 χ^2 /NDF:762964.9/20

Left: 302.329 $\pm$ 0.038 χ^2 /NDF: 2121433.4/43

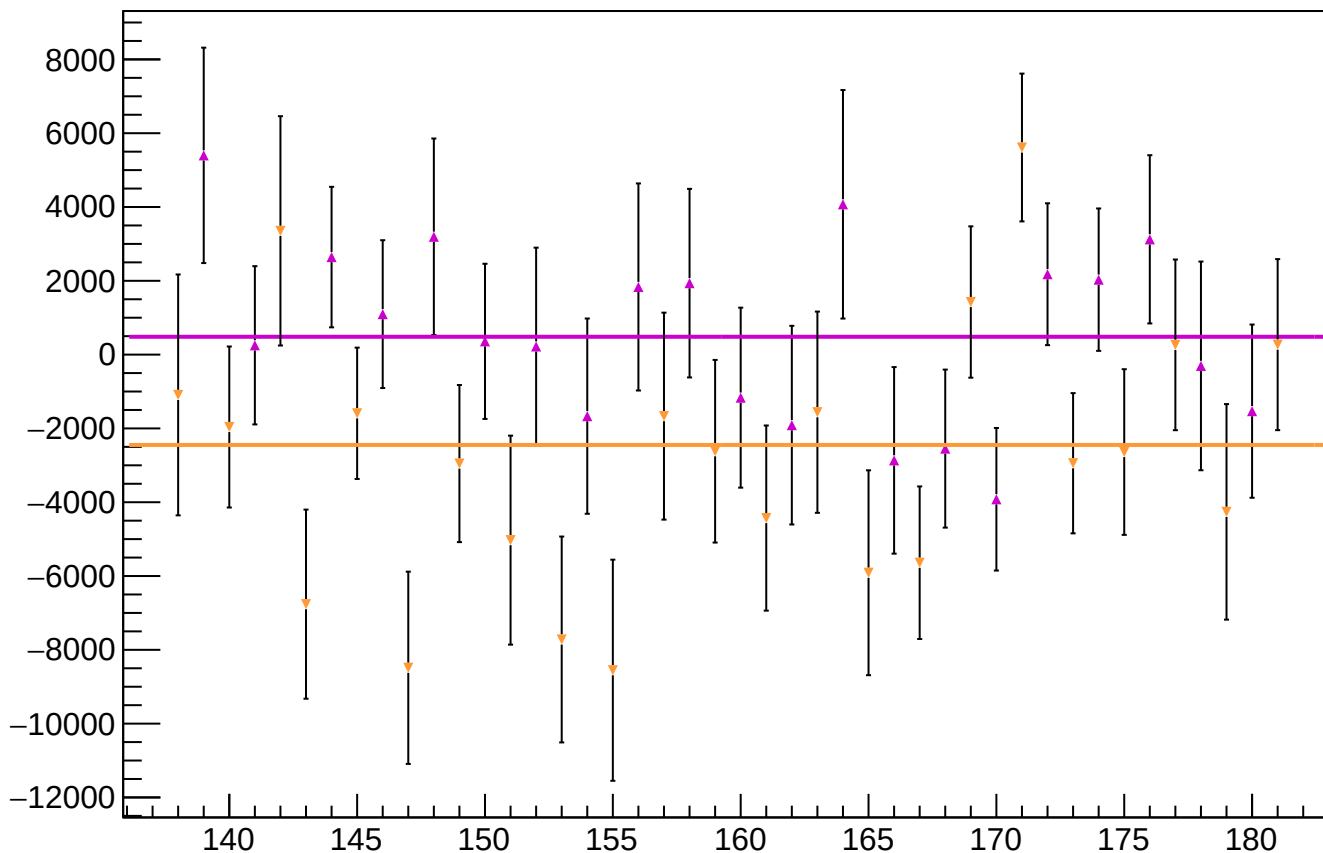
Right: 261.145 $\pm$ 0.051 χ^2 /NDF: 1257876.6/35

In: 291.675 $\pm$ 0.044 χ^2 /NDF:1486704.2/37

Out: 284.316 $\pm$ 0.042 χ^2 /NDF:2298689.7/41

All: 287.839 $\pm$ 0.030 χ^2 /NDF: 3800091.1/79

asym_sam4_correction_mean vs Slug, Sign Corrected



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

Left Out: -2448.084+/-499.439 χ^2/NDF :48.5/22

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

Left In: 483.541+/-507.582 χ^2/NDF :21.6/20

Left: -1005.975+/-356.001 χ^2/NDF : 87.1/43

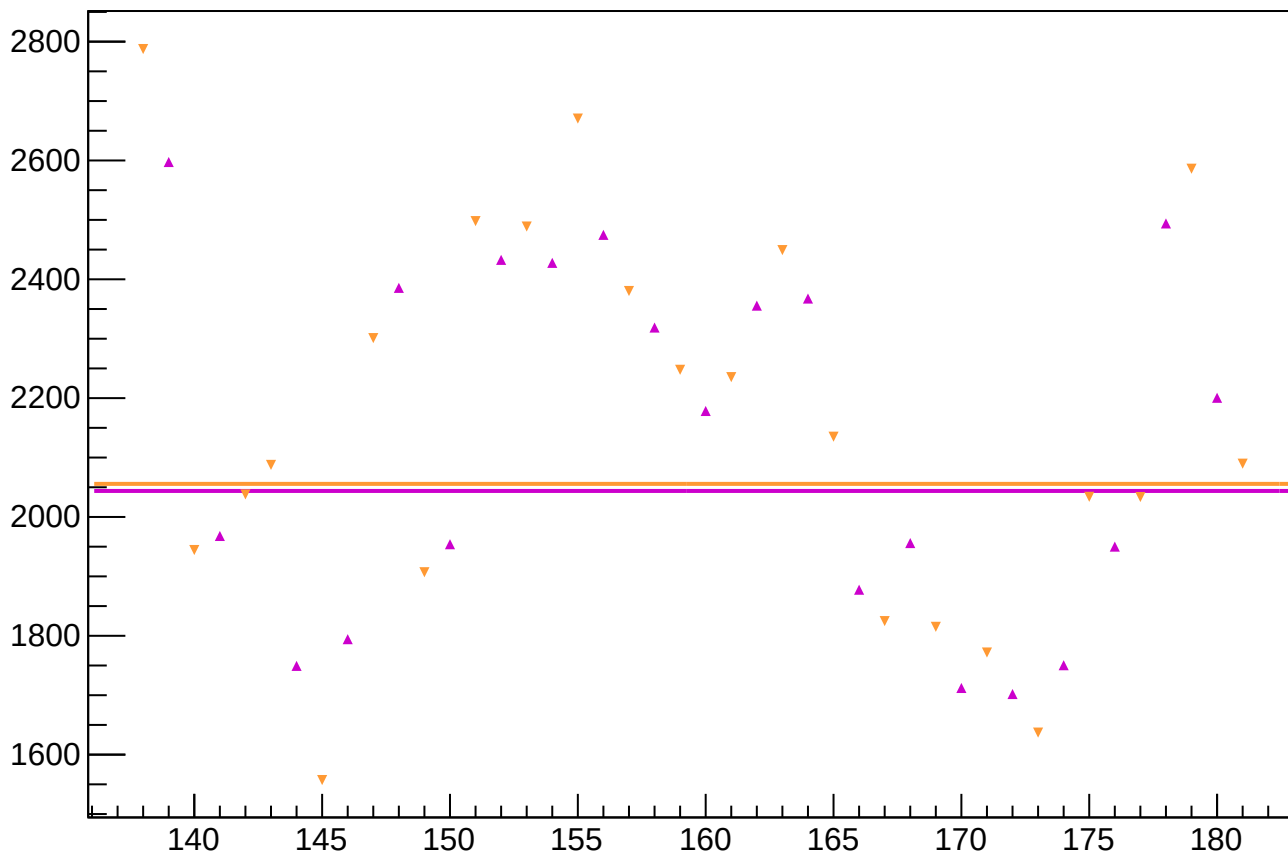
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 483.541+/-507.582 χ^2/NDF :21.6/20

Out: -2448.084+/-499.439 χ^2/NDF :48.5/22

All: -1005.975+/-356.001 χ^2/NDF : 87.1/43

asym_sam4_correction_rms vs Slug, Sign Corrected



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

Left Out: 2055.691+/-0.353 χ^2/NDF :820700.3/22

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

Left In: 2043.795+/-0.359 χ^2/NDF :642840.8/20

Left: 2049.839+/-0.252 χ^2/NDF : 1464099.3/43

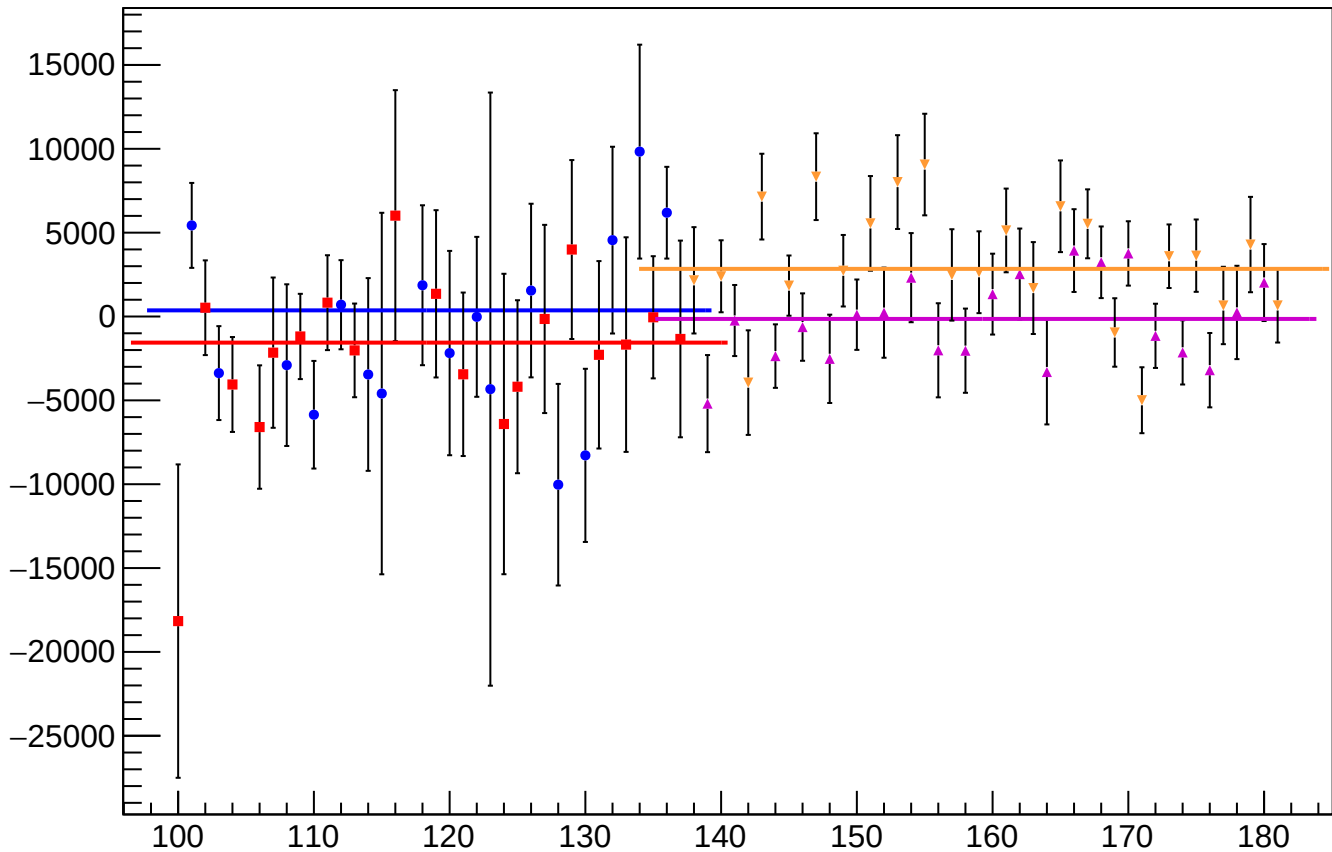
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2043.795+/-0.359 χ^2/NDF :642840.8/20

Out: 2055.691+/-0.353 χ^2/NDF :820700.3/22

All: 2049.839+/-0.252 χ^2/NDF : 1464099.3/43

asym_sam4_mean vs Slug, Sign Corrected



Right In: 366.454 ± 992.480 $\chi^2/\text{NDF}: 24.2/16$

Left Out: 2840.887 ± 494.527 $\chi^2/\text{NDF}: 47.4/22$

Right Out: -1557.388 ± 924.003 $\chi^2/\text{NDF}: 10.5/18$

Left In: -144.450 ± 503.897 $\chi^2/\text{NDF}: 23.1/20$

Left: 1376.232 ± 352.949 $\chi^2/\text{NDF}: 88.4/43$

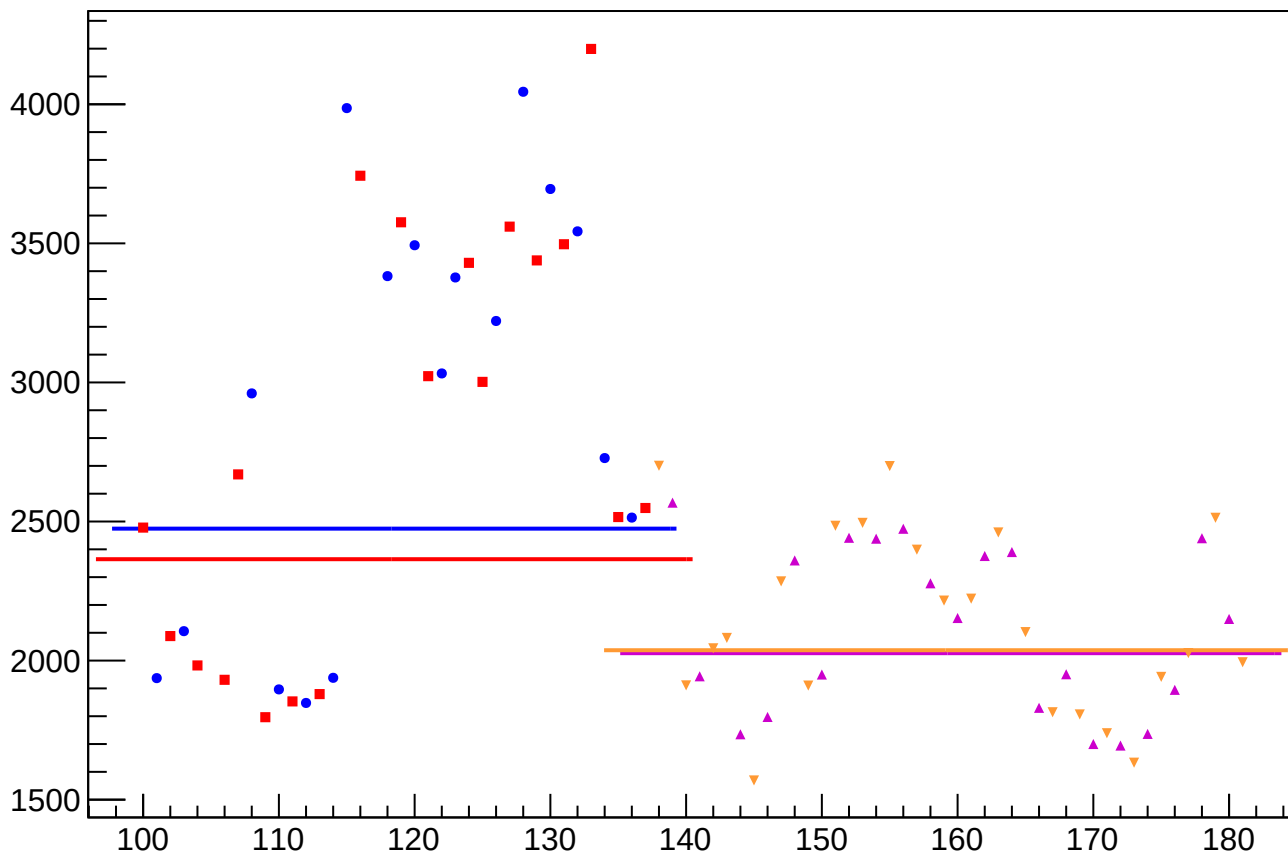
Right: -664.120 ± 676.282 $\chi^2/\text{NDF}: 36.7/35$

In: -39.743 ± 449.304 $\chi^2/\text{NDF}: 47.5/37$

Out: 1861.563 ± 436.009 $\chi^2/\text{NDF}: 75.6/41$

All: 939.456 ± 312.899 $\chi^2/\text{NDF}: 132.3/79$

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2474.389 $\pm$ 0.702 χ^2 /NDF: 906262.1/16

Left Out: 2037.235 $\pm$ 0.350 χ^2 /NDF: 808808.9/22

Right Out: 2364.507 $\pm$ 0.653 χ^2 /NDF: 1023402.8/18

Left In: 2026.665 $\pm$ 0.356 χ^2 /NDF: 649467.5/20

Left: 2032.049 $\pm$ 0.250 χ^2 /NDF: 1458724.7/43

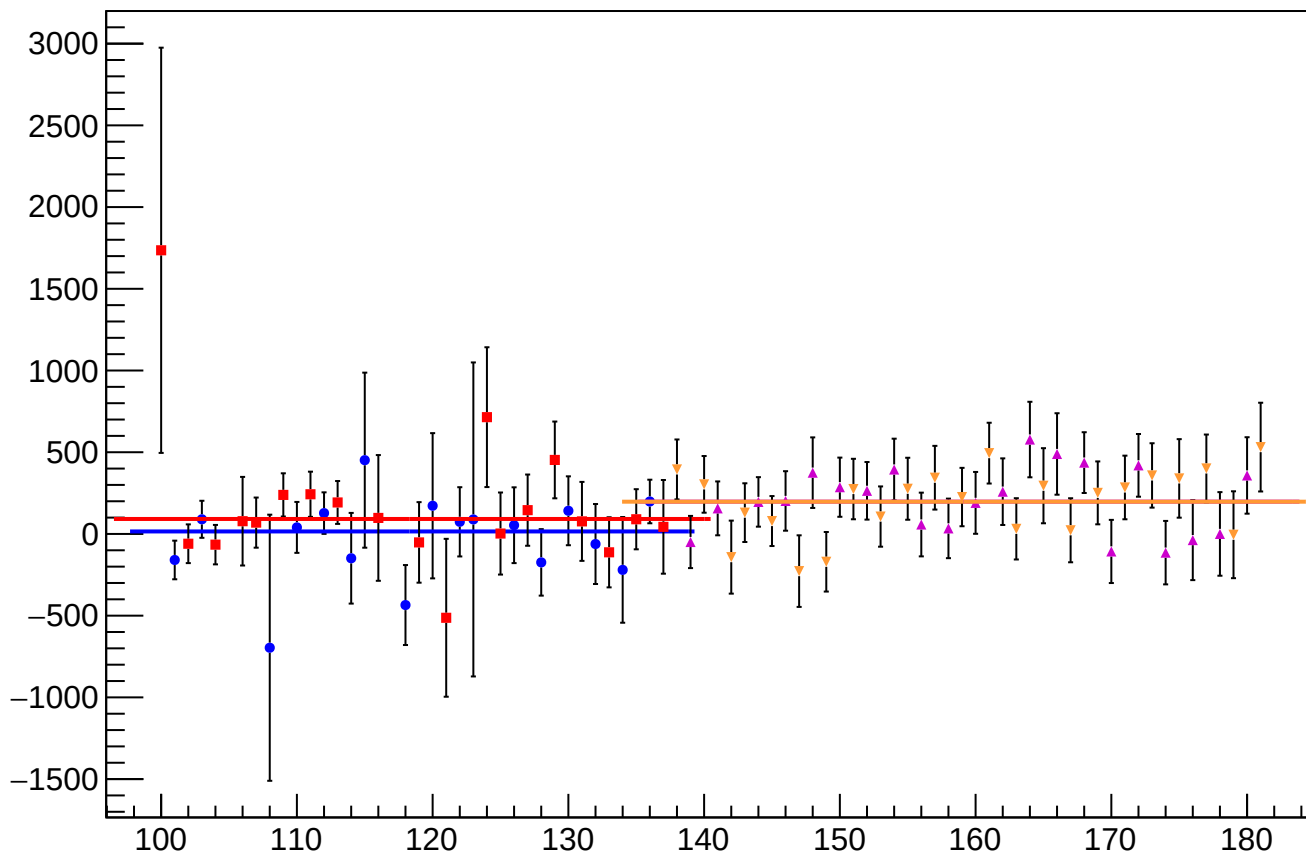
Right: 2415.527 $\pm$ 0.478 χ^2 /NDF: 1942797.3/35

In: 2118.423 $\pm$ 0.318 χ^2 /NDF: 1879326.6/37

Out: 2110.106 $\pm$ 0.308 χ^2 /NDF: 2027246.2/41

All: 2114.140 $\pm$ 0.221 χ^2 /NDF: 3906925.8/79

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 15.303 $\pm$ 46.443 χ^2/NDF : 12.6/16

Left Out: 197.351 $\pm$ 40.765 χ^2/NDF : 22.3/22

Right Out: 91.634 $\pm$ 43.318 χ^2/NDF : 15.7/18

Left In: 197.581 $\pm$ 42.071 χ^2/NDF : 20.1/20

Left: 197.463 $\pm$ 29.276 χ^2/NDF : 42.4/43

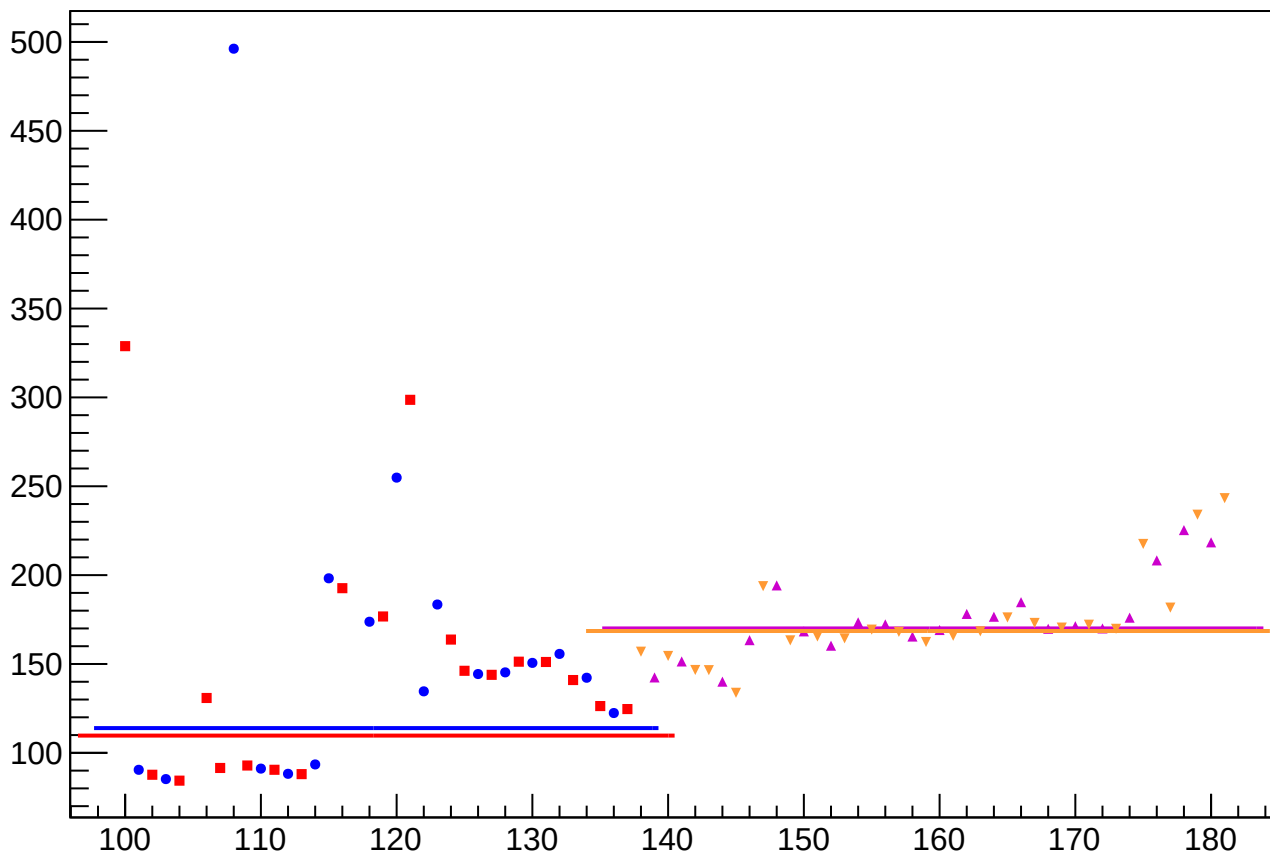
Right: 56.123 $\pm$ 31.678 χ^2/NDF : 29.7/35

In: 115.423 $\pm$ 31.180 χ^2/NDF : 41.2/37

Out: 147.700 $\pm$ 29.687 χ^2/NDF : 41.1/41

All: 132.353 $\pm$ 21.500 χ^2/NDF : 82.8/79

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 113.932 $\pm$ 0.033 χ^2/NDF : 1407849.3/16

Left Out: 168.558 $\pm$ 0.029 χ^2/NDF : 574859.4/22

Right Out: 109.709 $\pm$ 0.031 χ^2/NDF : 1242014.6/18

Left In: 170.006 $\pm$ 0.030 χ^2/NDF : 441586.9/20

Left: 169.259 $\pm$ 0.021 χ^2/NDF : 1017668.8/43

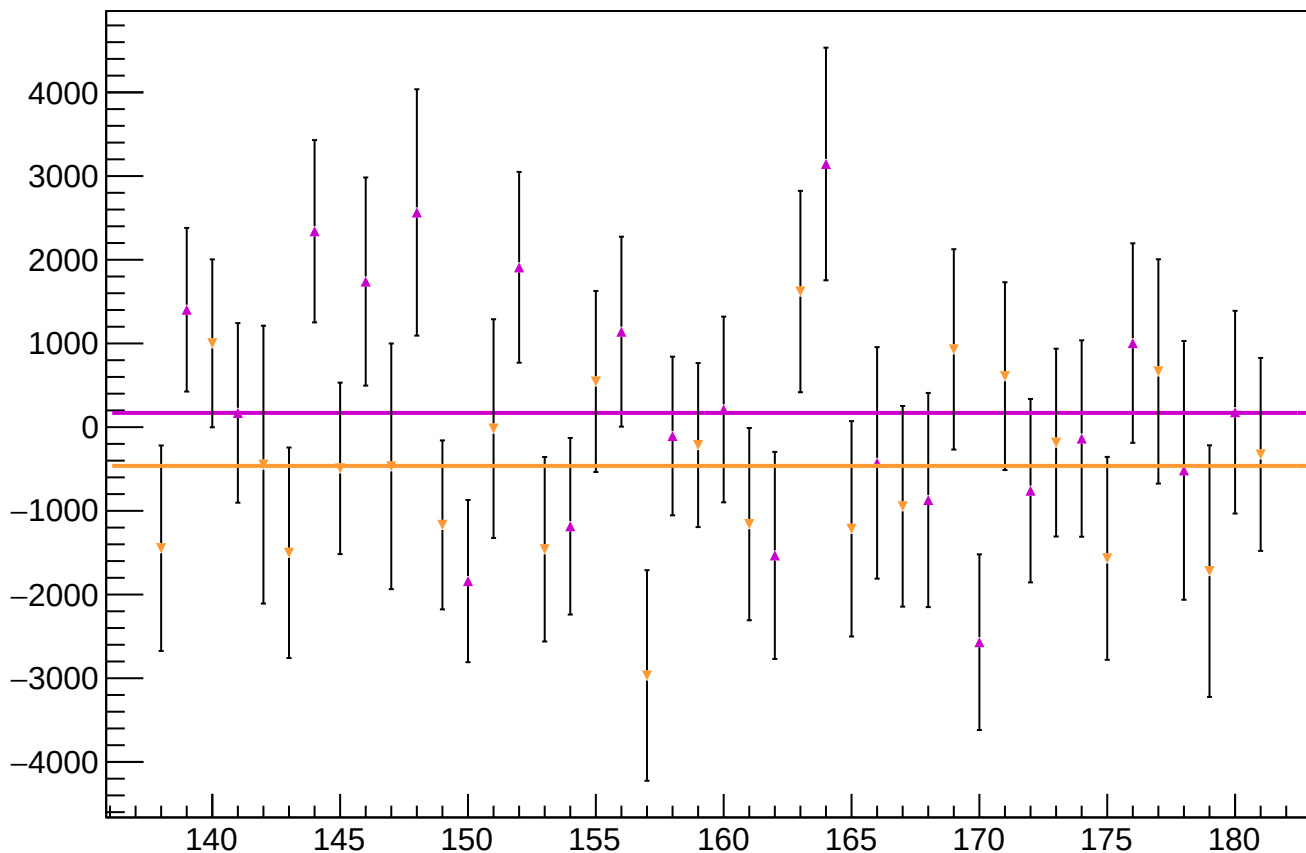
Right: 111.674 $\pm$ 0.022 χ^2/NDF : 2658703.6/35

In: 144.732 $\pm$ 0.022 χ^2/NDF : 3450843.6/37

Out: 140.919 $\pm$ 0.021 χ^2/NDF : 3774424.4/41

All: 142.732 $\pm$ 0.015 χ^2/NDF : 7240956.0/79

asym_sam5_correction_mean vs Slug, Sign Corrected



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

Left Out: -462.773+/-246.505 χ^2/NDF :18.2/22

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

Left In: 170.461+/-250.954 χ^2/NDF :34.5/20

Left: -151.819+/-175.857 χ^2/NDF : 56.0/43

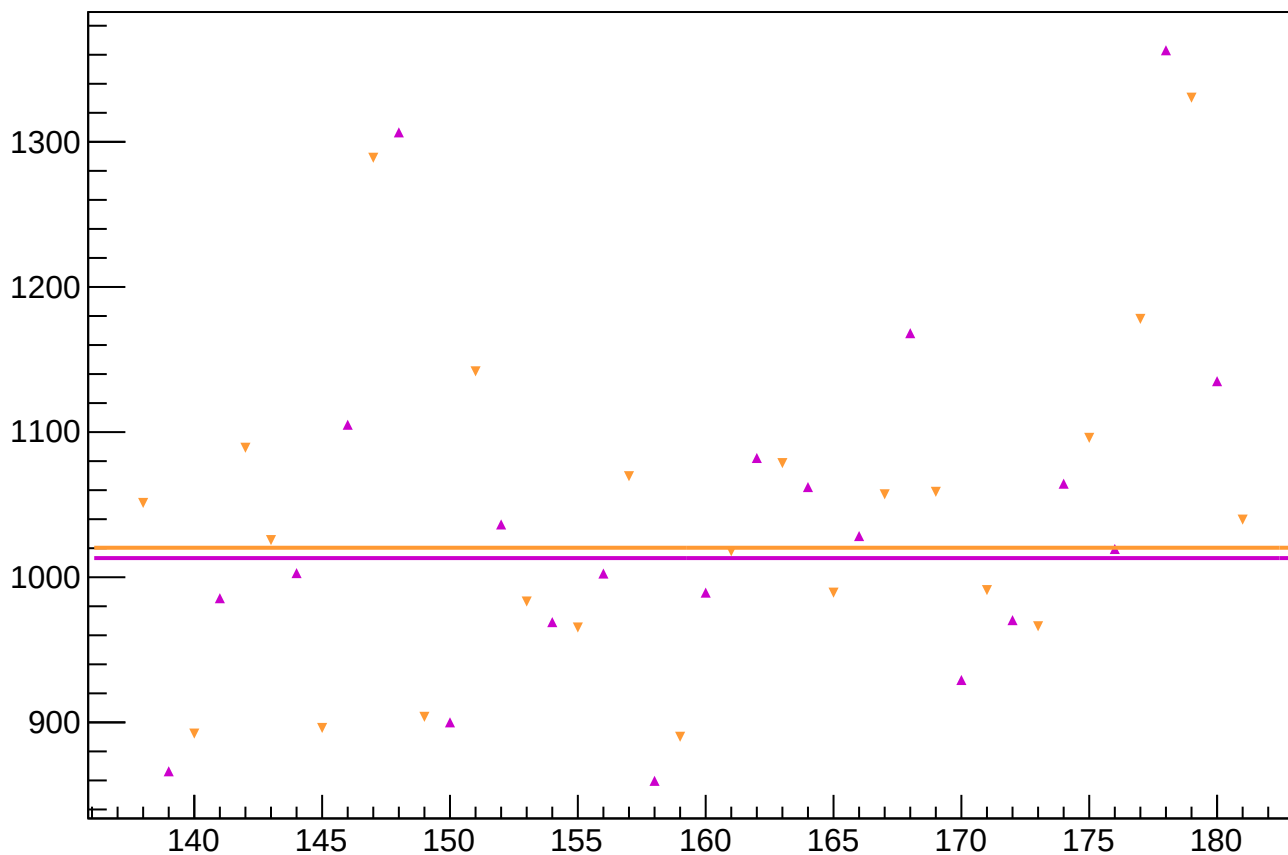
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 170.461+/-250.954 χ^2/NDF :34.5/20

Out: -462.773+/-246.505 χ^2/NDF :18.2/22

All: -151.819+/-175.857 χ^2/NDF : 56.0/43

asym_sam5_correction_rms vs Slug, Sign Corrected



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

Left Out: 1020.327+/-0.174 χ^2/NDF :360529.7/22

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

Left In: 1013.197+/-0.177 χ^2/NDF :402947.9/20

Left: 1016.826+/-0.124 χ^2/NDF : 764299.3/43

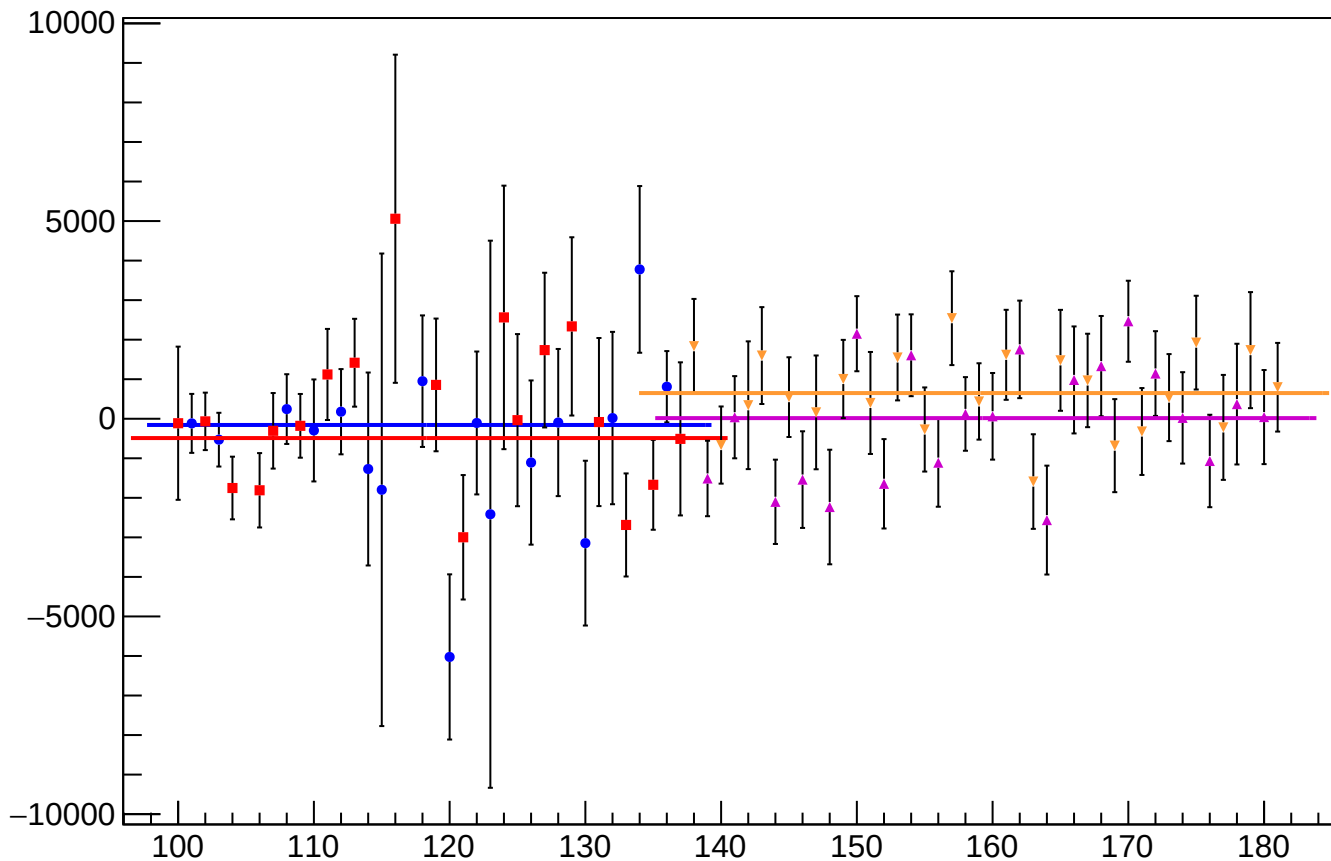
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1013.197+/-0.177 χ^2/NDF :402947.9/20

Out: 1020.327+/-0.174 χ^2/NDF :360529.7/22

All: 1016.826+/-0.124 χ^2/NDF : 764299.3/43

asym_sam5_mean vs Slug, Sign Corrected



Right In: -157.178 ± 312.499 $\chi^2/\text{NDF}: 16.2/16$

Left Out: 649.708 ± 241.699 $\chi^2/\text{NDF}: 16.7/22$

Right Out: -488.583 ± 282.758 $\chi^2/\text{NDF}: 22.6/18$

Left In: 16.079 ± 246.497 $\chi^2/\text{NDF}: 36.0/20$

Left: 339.121 ± 172.578 $\chi^2/\text{NDF}: 56.0/43$

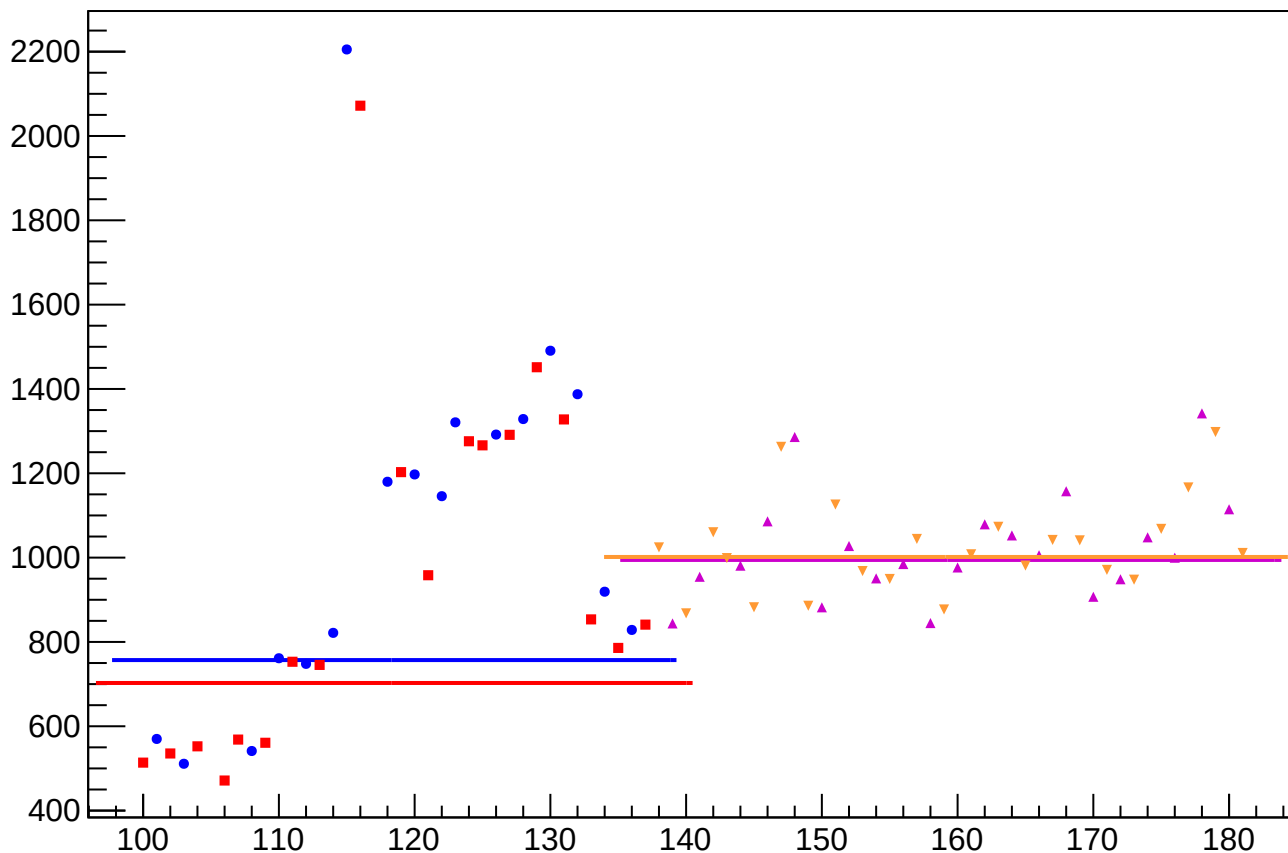
Right: -339.397 ± 209.669 $\chi^2/\text{NDF}: 39.5/35$

In: -50.374 ± 193.536 $\chi^2/\text{NDF}: 52.4/37$

Out: 169.136 ± 183.725 $\chi^2/\text{NDF}: 48.7/41$

All: 65.086 ± 133.246 $\chi^2/\text{NDF}: 101.8/79$

asym_sam5_rms vs Slug, Sign Corrected



Right In: 756.985 $\pm$ 0.221 χ^2 /NDF: 1711285.9/16

Left Out: 1001.520 $\pm$ 0.171 χ^2 /NDF: 360873.5/22

Right Out: 702.656 $\pm$ 0.200 χ^2 /NDF: 1689579.7/18

Left In: 994.469 $\pm$ 0.174 χ^2 /NDF: 423701.7/20

Left: 998.064 $\pm$ 0.122 χ^2 /NDF: 785409.7/43

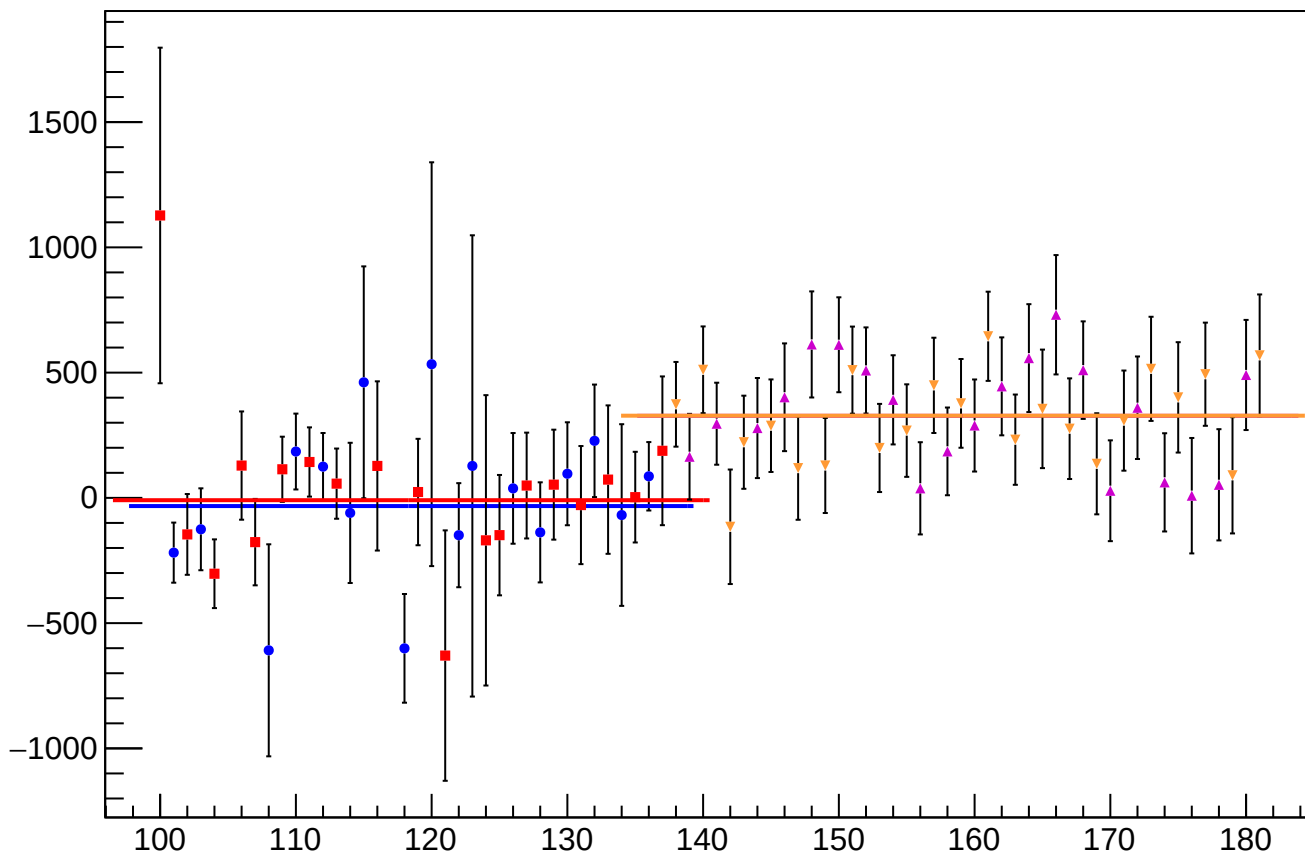
Right: 727.113 $\pm$ 0.148 χ^2 /NDF: 3434103.1/35

In: 903.382 $\pm$ 0.137 χ^2 /NDF: 2847015.4/37

Out: 875.344 $\pm$ 0.130 χ^2 /NDF: 3341476.2/41

All: 888.634 $\pm$ 0.094 χ^2 /NDF: 6210570.6/79

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -32.694 ± 48.431 χ^2/NDF : 19.7/16

Left Out: 328.072 ± 40.530 χ^2/NDF : 17.7/22

Right Out: -9.277 ± 45.600 χ^2/NDF : 14.7/18

Left In: 327.425 ± 42.577 χ^2/NDF : 22.9/20

Left: 327.764 ± 29.356 χ^2/NDF : 40.6/43

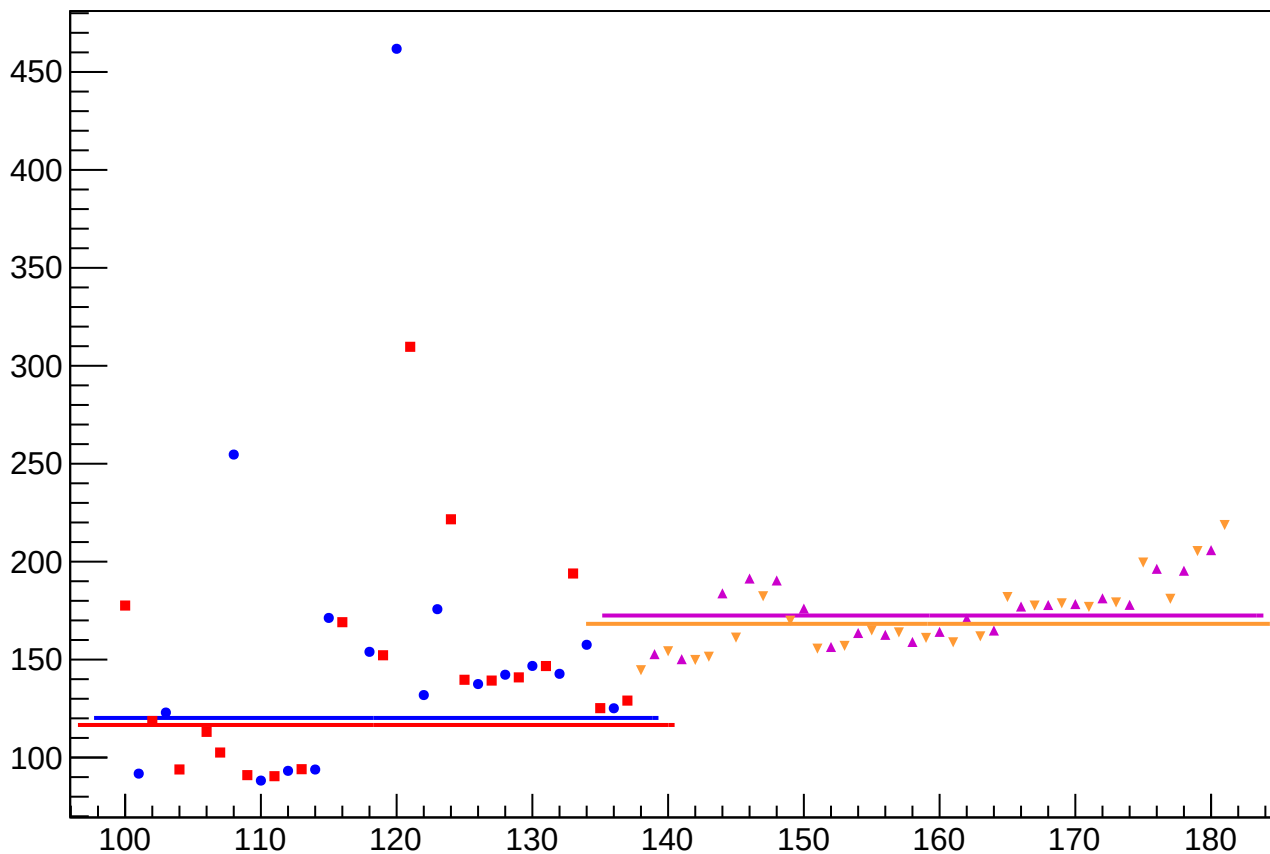
Right: -20.281 ± 33.200 χ^2/NDF : 34.6/35

In: 170.434 ± 31.977 χ^2/NDF : 73.8/37

Out: 179.183 ± 30.294 χ^2/NDF : 63.0/41

All: 175.045 ± 21.992 χ^2/NDF : 136.9/79

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.207 $\pm$ 0.034 χ^2 /NDF: 1062326.6/16

Left Out: 168.252 $\pm$ 0.029 χ^2 /NDF:337094.3/22

Right Out: 116.618 $\pm$ 0.032 χ^2 /NDF: 997956.6/18

Left In: 172.500 $\pm$ 0.030 χ^2 /NDF:245300.2/20

Left: 170.271 $\pm$ 0.021 χ^2 /NDF: 592837.8/43

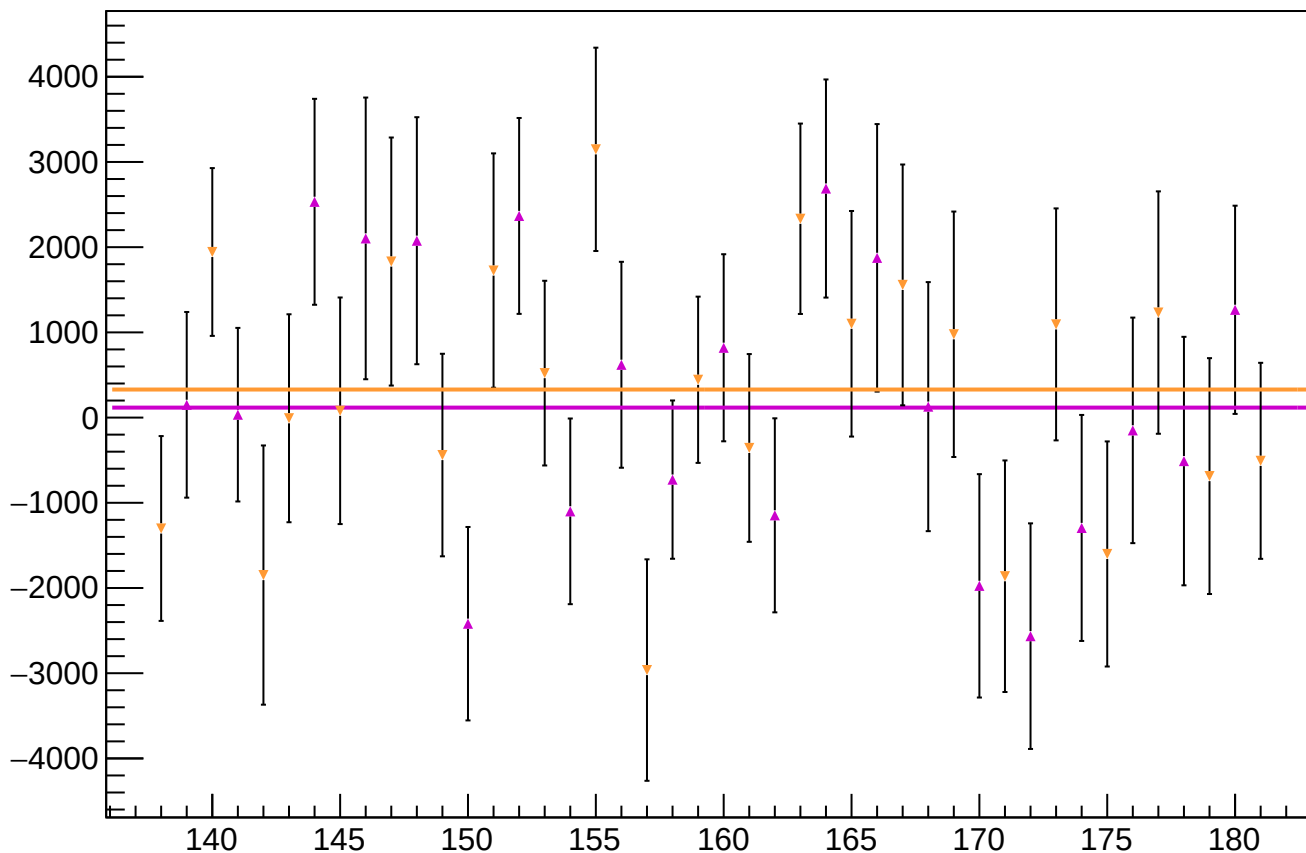
Right: 118.304 $\pm$ 0.023 χ^2 /NDF: 2066104.2/35

In: 149.703 $\pm$ 0.023 χ^2 /NDF:2622824.8/37

Out: 145.463 $\pm$ 0.021 χ^2 /NDF:2767629.6/41

All: 147.469 $\pm$ 0.016 χ^2 /NDF: 5408982.4/79

asym_sam6_correction_mean vs Slug, Sign Corrected



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

Left Out: 329.330+/-257.675 χ^2/NDF :33.1/22

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

Left In: 117.114+/-266.600 χ^2/NDF :34.2/20

Left: 226.833+/-185.279 χ^2/NDF : 67.6/43

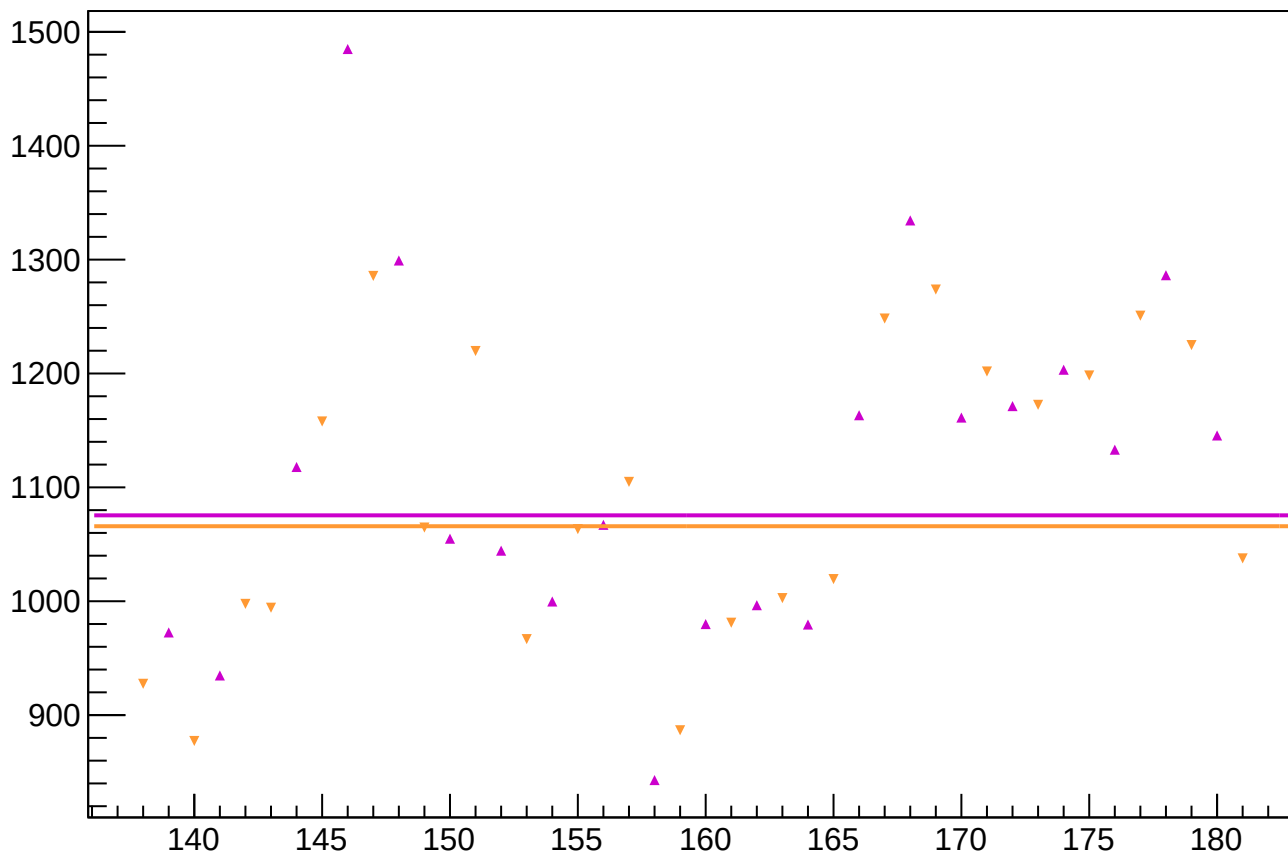
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 117.114+/-266.600 χ^2/NDF :34.2/20

Out: 329.330+/-257.675 χ^2/NDF :33.1/22

All: 226.833+/-185.279 χ^2/NDF : 67.6/43

asym_sam6_correction_rms vs Slug, Sign Corrected



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

Left Out: 1065.866+/-0.182 χ^2/NDF : 492514.5/22

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

Left In: 1075.430+/-0.189 χ^2/NDF : 560895.1/20

Left: 1070.485+/-0.131 χ^2/NDF : 1054740.3/43

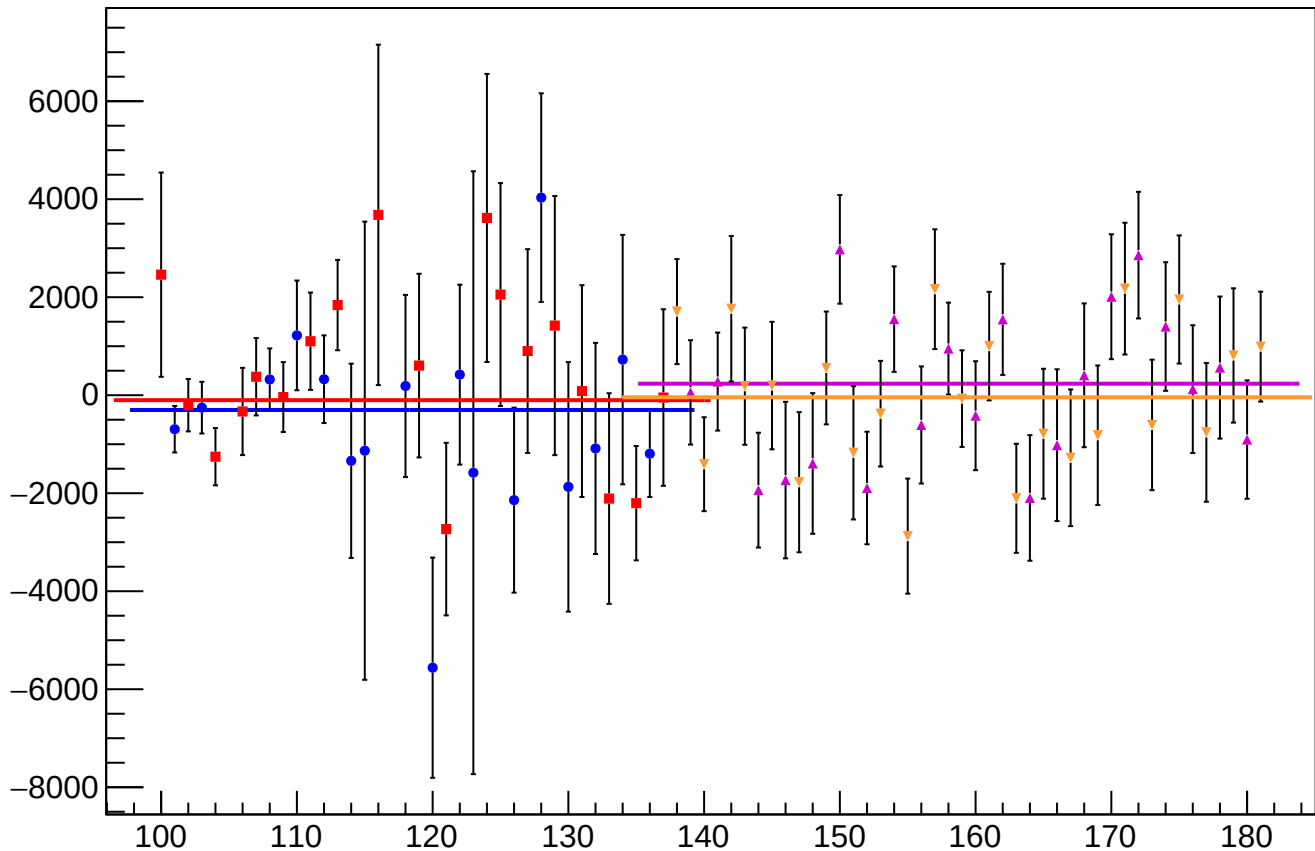
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1075.430+/-0.189 χ^2/NDF : 560895.1/20

Out: 1065.866+/-0.182 χ^2/NDF : 492514.5/22

All: 1070.485+/-0.131 χ^2/NDF : 1054740.3/43

asym_sam6_mean vs Slug, Sign Corrected



Right In: -301.000 ± 250.042 χ^2/NDF : 16.8/16

Left Out: -42.620 ± 254.002 χ^2/NDF : 30.3/22

Right Out: -100.857 ± 245.981 χ^2/NDF : 22.5/18

Left In: 235.151 ± 263.672 χ^2/NDF : 31.9/20

Left: 91.078 ± 182.930 χ^2/NDF : 62.7/43

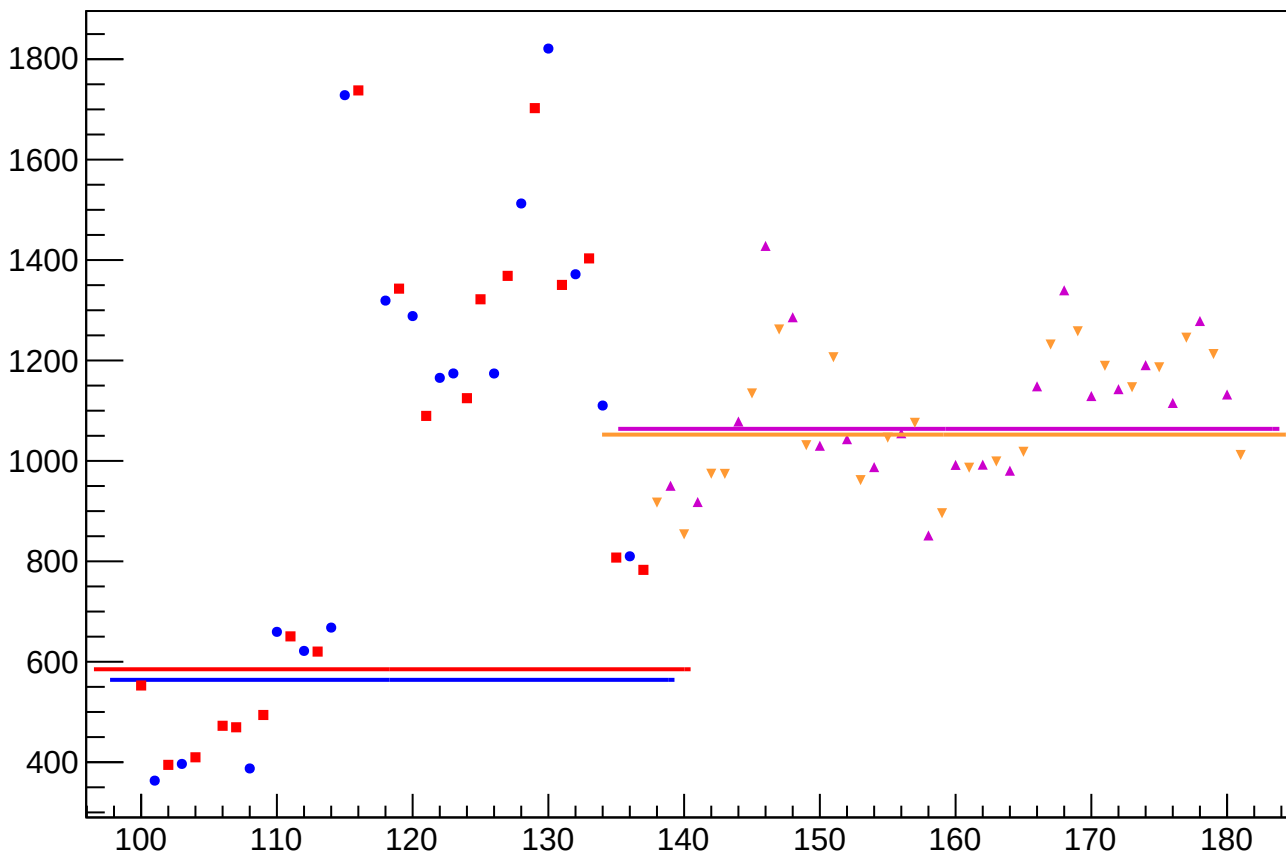
Right: -199.290 ± 175.353 χ^2/NDF : 39.7/35

In: -47.139 ± 181.434 χ^2/NDF : 50.9/37

Out: -72.673 ± 176.702 χ^2/NDF : 52.8/41

All: -60.243 ± 126.587 χ^2/NDF : 103.7/79

asym_sam6_rms vs Slug, Sign Corrected



Right In: 564.003 ± 0.177 χ^2/NDF : 3261491.3/16

Left Out: 1052.373 ± 0.180 χ^2/NDF : 481394.7/22

Right Out: 585.070 ± 0.174 χ^2/NDF : 2820837.8/18

Left In: 1063.833 ± 0.186 χ^2/NDF : 518768.4/20

Left: 1057.889 ± 0.129 χ^2/NDF : 1002122.8/43

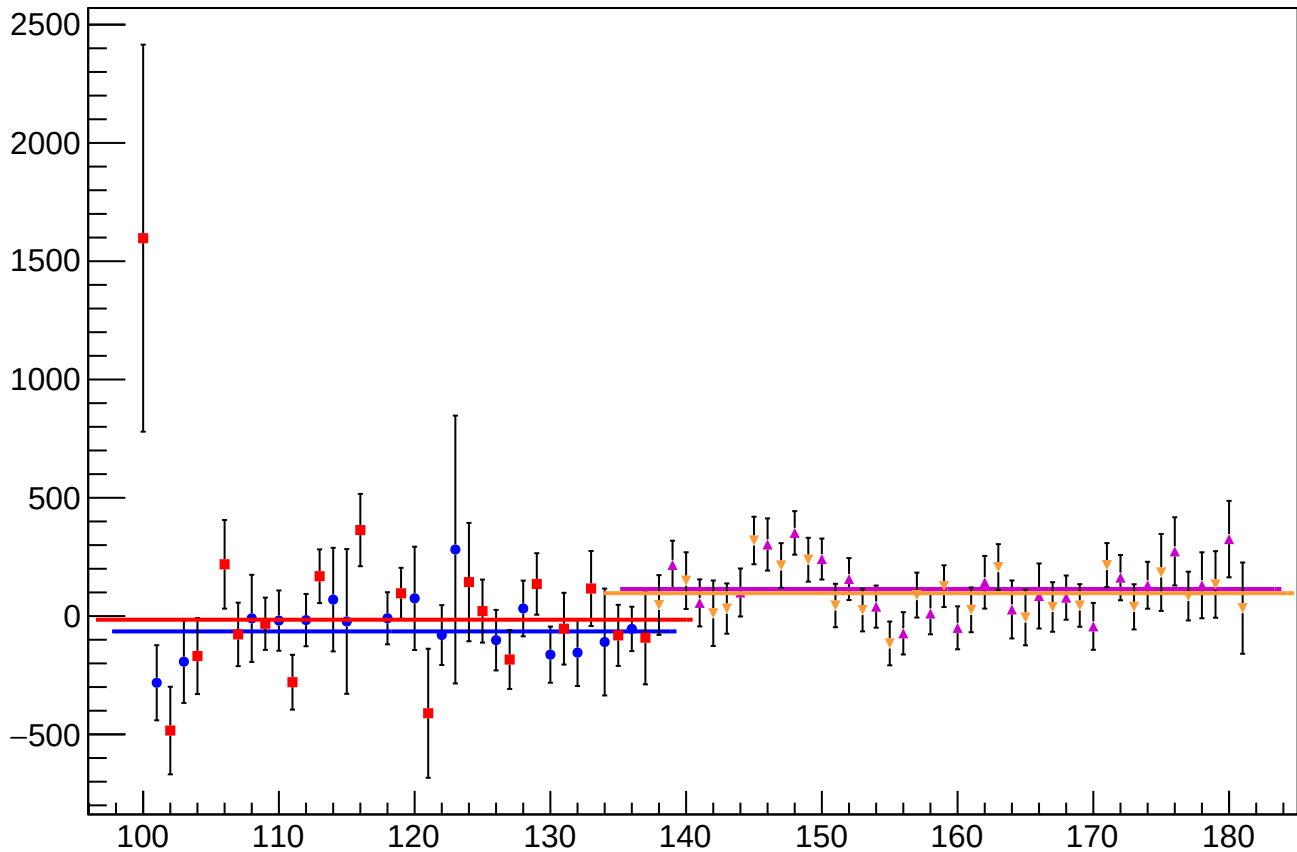
Right: 574.709 ± 0.124 χ^2/NDF : 6089543.5/35

In: 800.666 ± 0.128 χ^2/NDF : 7564296.9/37

Out: 811.226 ± 0.125 χ^2/NDF : 6795533.6/41

All: 806.086 ± 0.090 χ^2/NDF : 14363307.5/79

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -64.797 $\pm$ 34.629 χ^2 /NDF: 6.2/16

Left Out: 96.714 $\pm$ 21.626 χ^2 /NDF:21.9/22

Right Out: -15.294 $\pm$ 33.422 χ^2 /NDF: 35.0/18

Left In: 114.492 $\pm$ 22.238 χ^2 /NDF:29.5/20

Left: 105.355 $\pm$ 15.504 χ^2 /NDF: 51.8/43

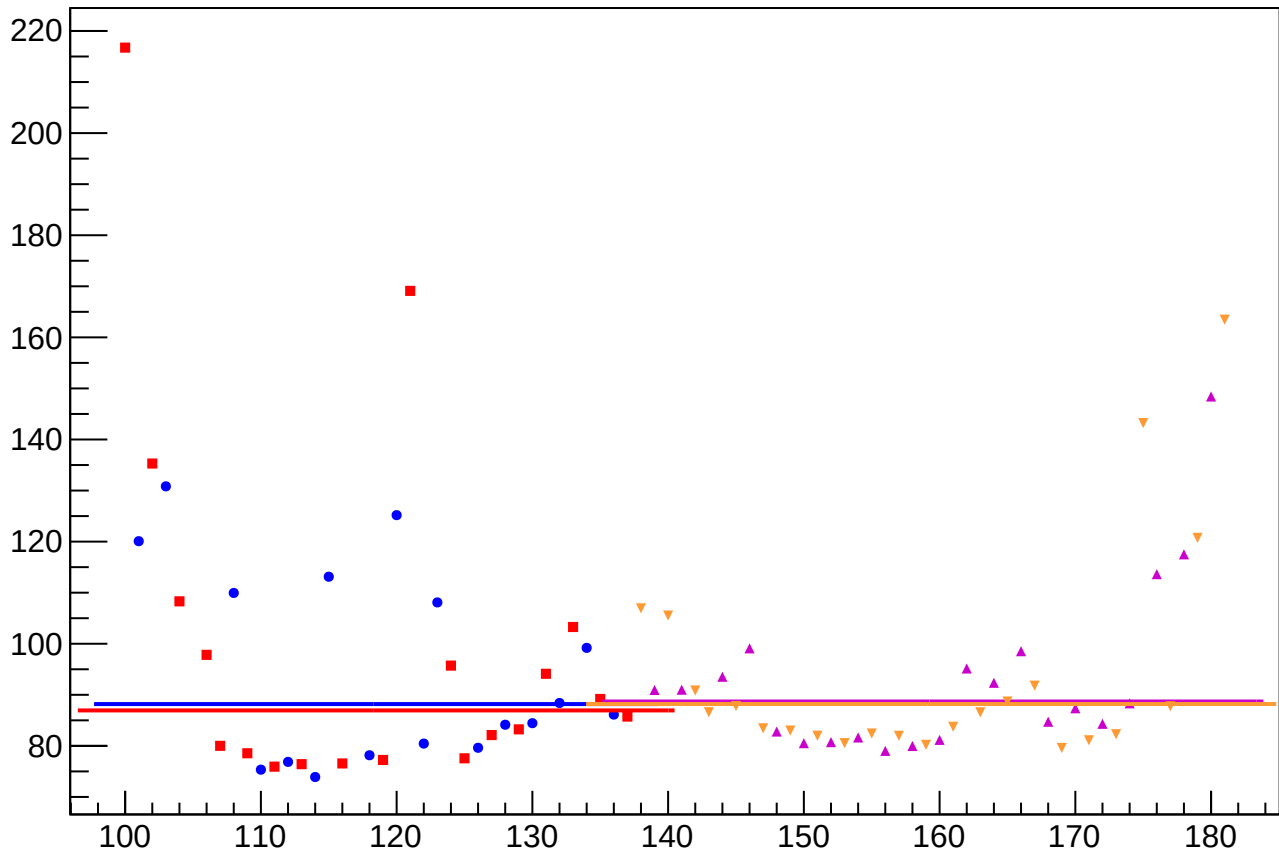
Right: -39.167 $\pm$ 24.048 χ^2 /NDF: 42.2/35

In: 62.144 $\pm$ 18.712 χ^2 /NDF:54.7/37

Out: 63.658 $\pm$ 18.156 χ^2 /NDF:64.8/41

All: 62.924 $\pm$ 13.030 χ^2 /NDF: 119.5/79

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 88.186 $\pm$ 0.024 χ^2 /NDF: 394447.7/16

Left Out: 88.196 $\pm$ 0.015 χ^2 /NDF: 840548.7/22

Right Out: 86.943 $\pm$ 0.024 χ^2 /NDF: 531359.9/18

Left In: 88.690 $\pm$ 0.016 χ^2 /NDF: 581123.3/20

Left: 88.436 $\pm$ 0.011 χ^2 /NDF: 1422180.7/43

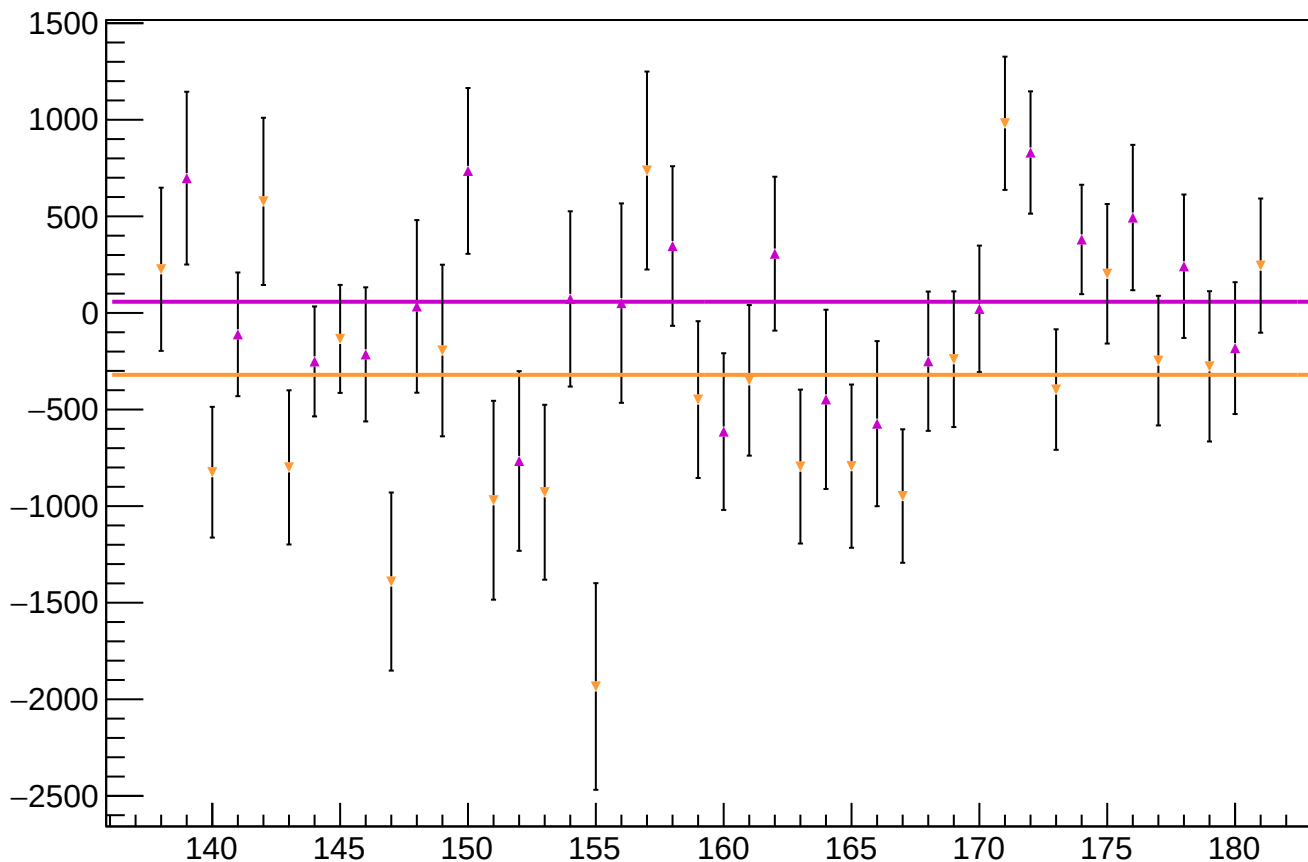
Right: 87.542 $\pm$ 0.017 χ^2 /NDF: 927142.1/35

In: 88.543 $\pm$ 0.013 χ^2 /NDF: 975871.4/37

Out: 87.826 $\pm$ 0.013 χ^2 /NDF: 1373889.4/41

All: 88.174 $\pm$ 0.009 χ^2 /NDF: 2351274.2/79

asym_sam7_correction_mean vs Slug, Sign Corrected



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

Left Out: -320.361 $\pm$ 80.152 χ^2 /NDF:57.6/22

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

Left In: 57.994 $\pm$ 81.701 χ^2 /NDF:26.8/20

Left: -134.805 $\pm$ 57.216 χ^2 /NDF: 95.3/43

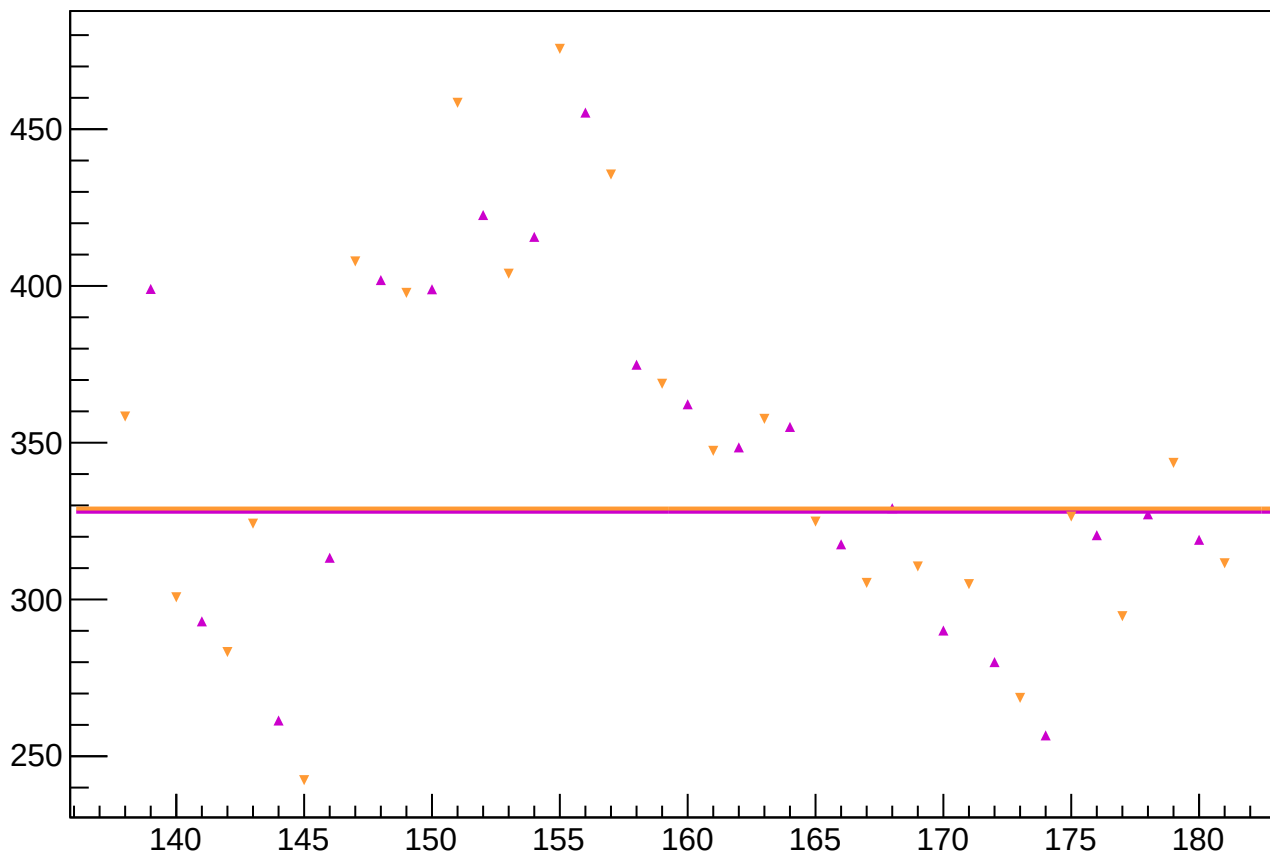
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 57.994 $\pm$ 81.701 χ^2 /NDF:26.8/20

Out: -320.361 $\pm$ 80.152 χ^2 /NDF:57.6/22

All: -134.805 $\pm$ 57.216 χ^2 /NDF: 95.3/43

asym_sam7_correction_rms vs Slug, Sign Corrected



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

Left Out: 329.002+/-0.057 χ^2/NDF : 925497.5/22

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

Left In: 327.986+/-0.058 χ^2/NDF : 831037.3/20

Left: 328.504+/-0.040 χ^2/NDF : 1756692.3/43

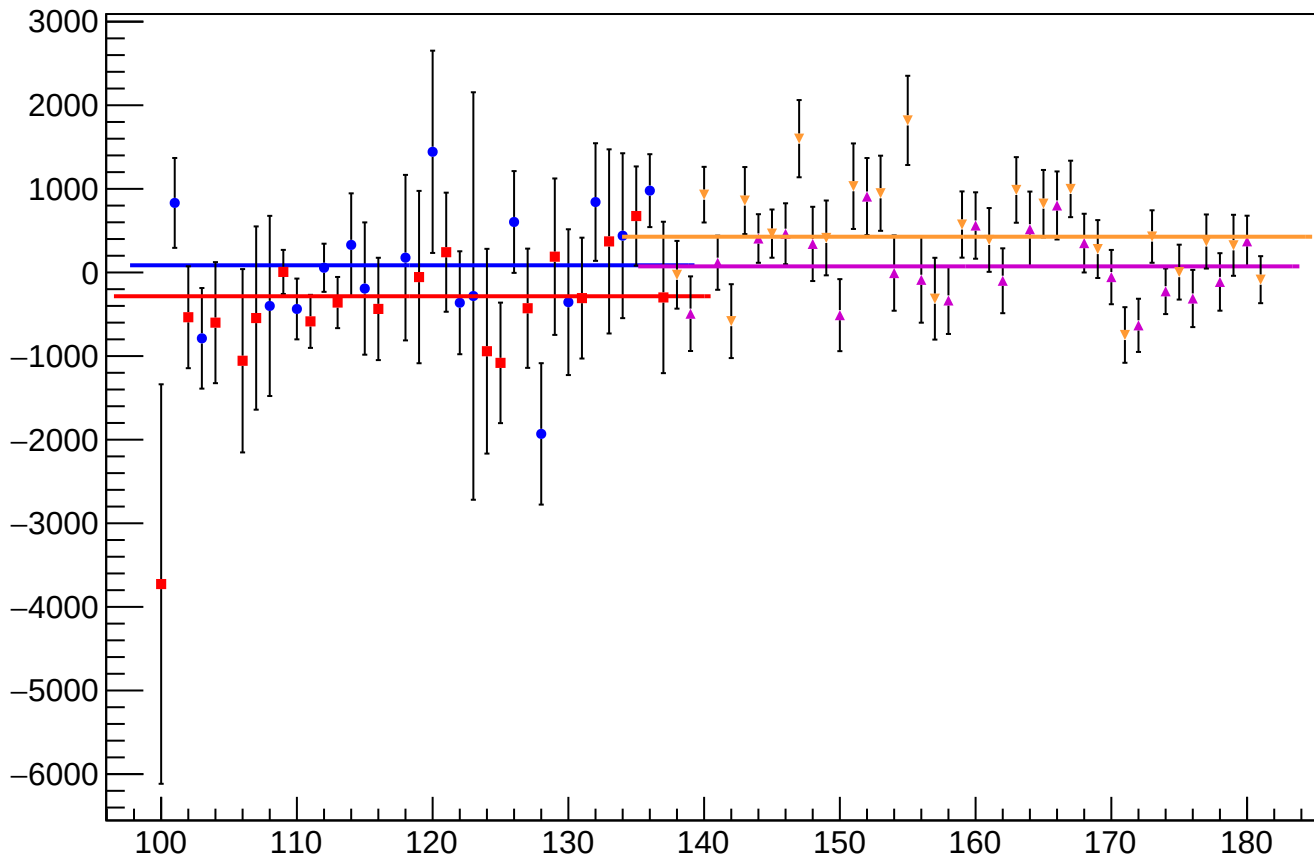
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 327.986+/-0.058 χ^2/NDF : 831037.3/20

Out: 329.002+/-0.057 χ^2/NDF : 925497.5/22

All: 328.504+/-0.040 χ^2/NDF : 1756692.3/43

asym_sam7_mean vs Slug, Sign Corrected



Right In: 85.810+/-142.601 χ^2/NDF : 20.6/16

Left Out: 427.576+/-77.658 χ^2/NDF : 52.0/22

Right Out: -284.456+/-129.599 χ^2/NDF : 10.6/18

Left In: 72.953+/-79.920 χ^2/NDF : 26.0/20

Left: 255.354+/-55.695 χ^2/NDF : 88.2/43

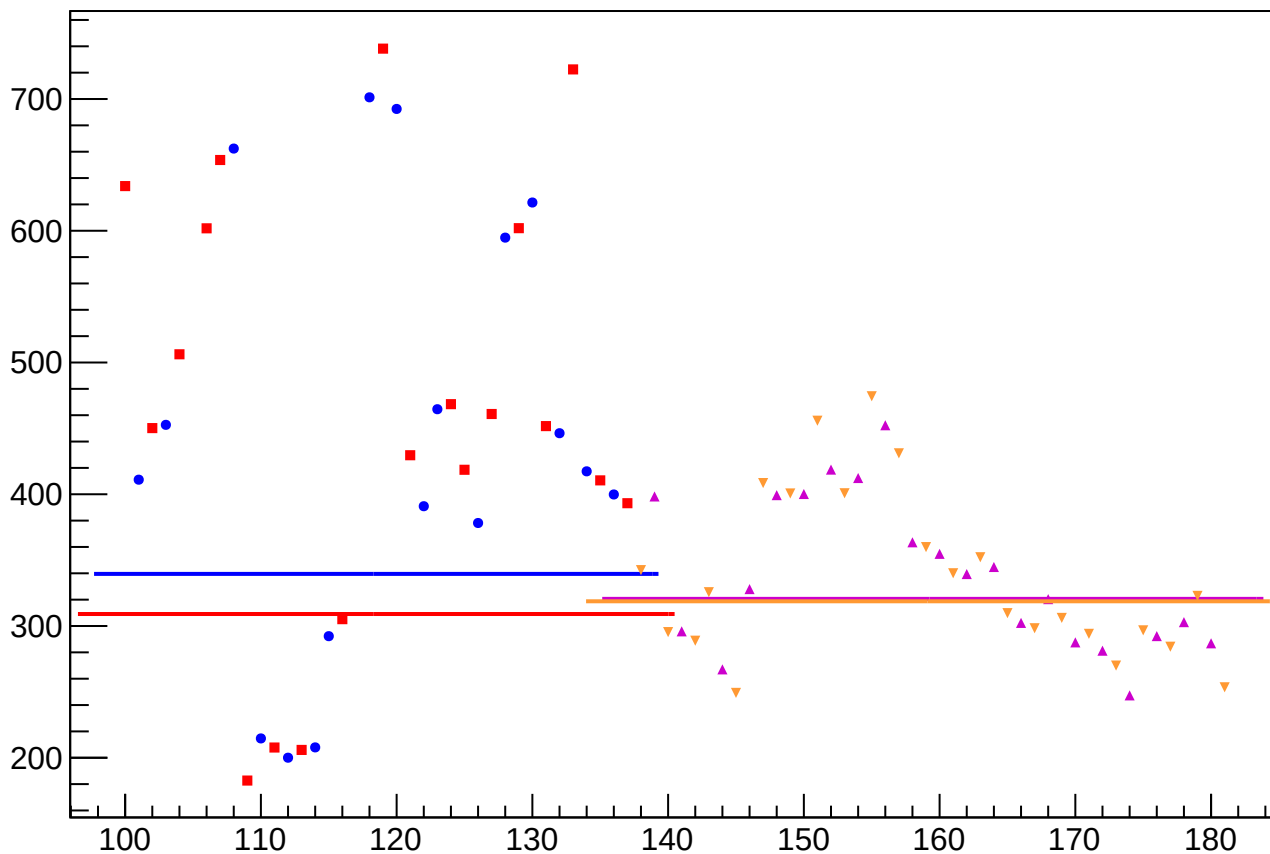
Right: -116.969+/-95.908 χ^2/NDF : 34.9/35

In: 76.026+/-69.718 χ^2/NDF : 46.6/37

Out: 239.458+/-66.614 χ^2/NDF : 84.8/41

All: 161.460+/-48.163 χ^2/NDF : 134.3/79

asym_sam7_rms vs Slug, Sign Corrected



Right In: 339.553 $\pm$ 0.101 χ^2/NDF : 2042244.1/16

Left Out: 318.759 $\pm$ 0.055 χ^2/NDF :1023243.9/22

Right Out: 309.105 $\pm$ 0.092 χ^2/NDF : 2730308.7/18

Left In: 320.603 $\pm$ 0.057 χ^2/NDF :868470.4/20

Left: 319.654 $\pm$ 0.039 χ^2/NDF : 1892261.8/43

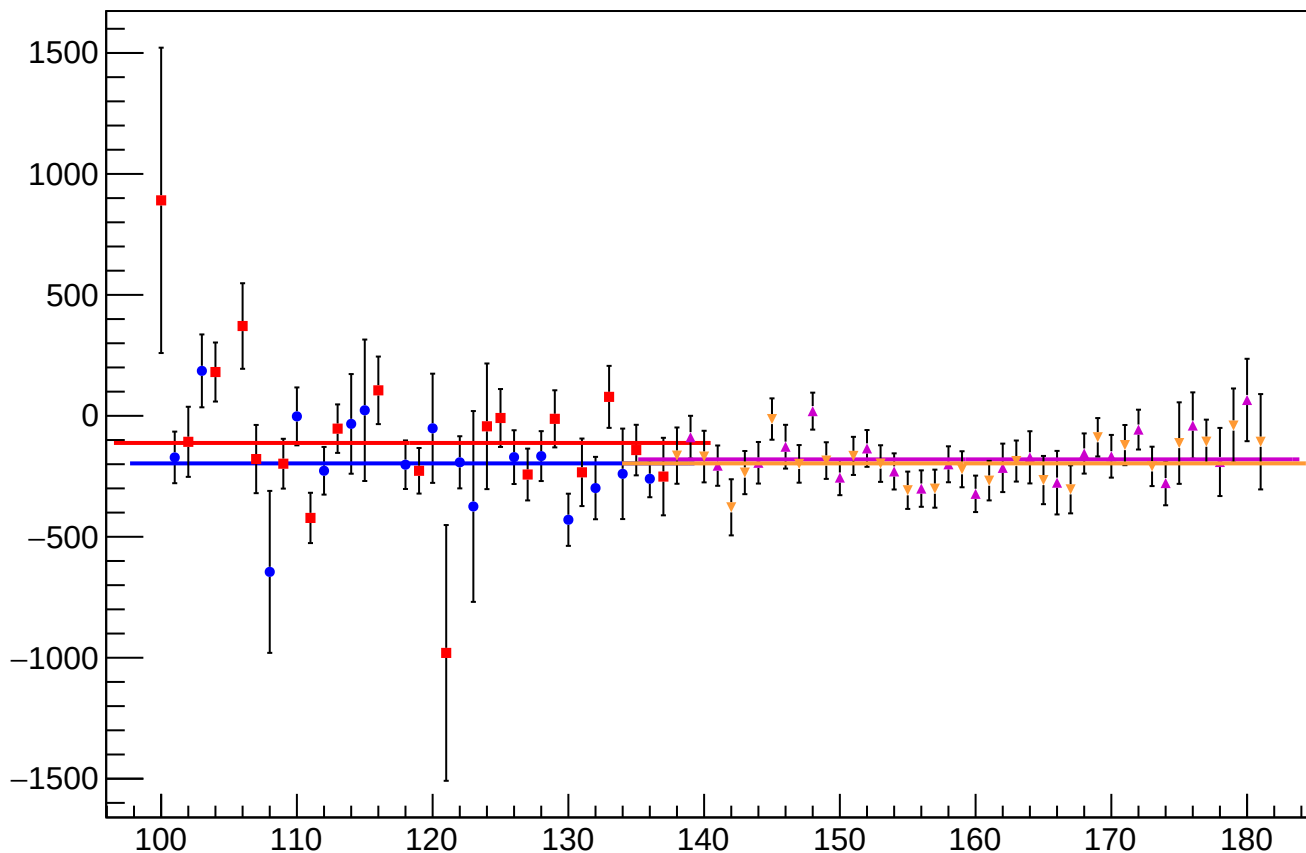
Right: 322.878 $\pm$ 0.068 χ^2/NDF : 4822487.1/35

In: 325.132 $\pm$ 0.049 χ^2/NDF :2937591.1/37

Out: 316.208 $\pm$ 0.047 χ^2/NDF :3761718.0/41

All: 320.467 $\pm$ 0.034 χ^2/NDF : 6716438.4/79

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -196.599 ± 30.399 χ^2/NDF : 19.0/16

Left Out: -196.561 ± 18.720 χ^2/NDF : 19.1/22

Right Out: -112.097 ± 29.622 χ^2/NDF : 39.3/18

Left In: -179.998 ± 19.259 χ^2/NDF : 23.7/20

Left: -188.514 ± 13.424 χ^2/NDF : 43.2/43

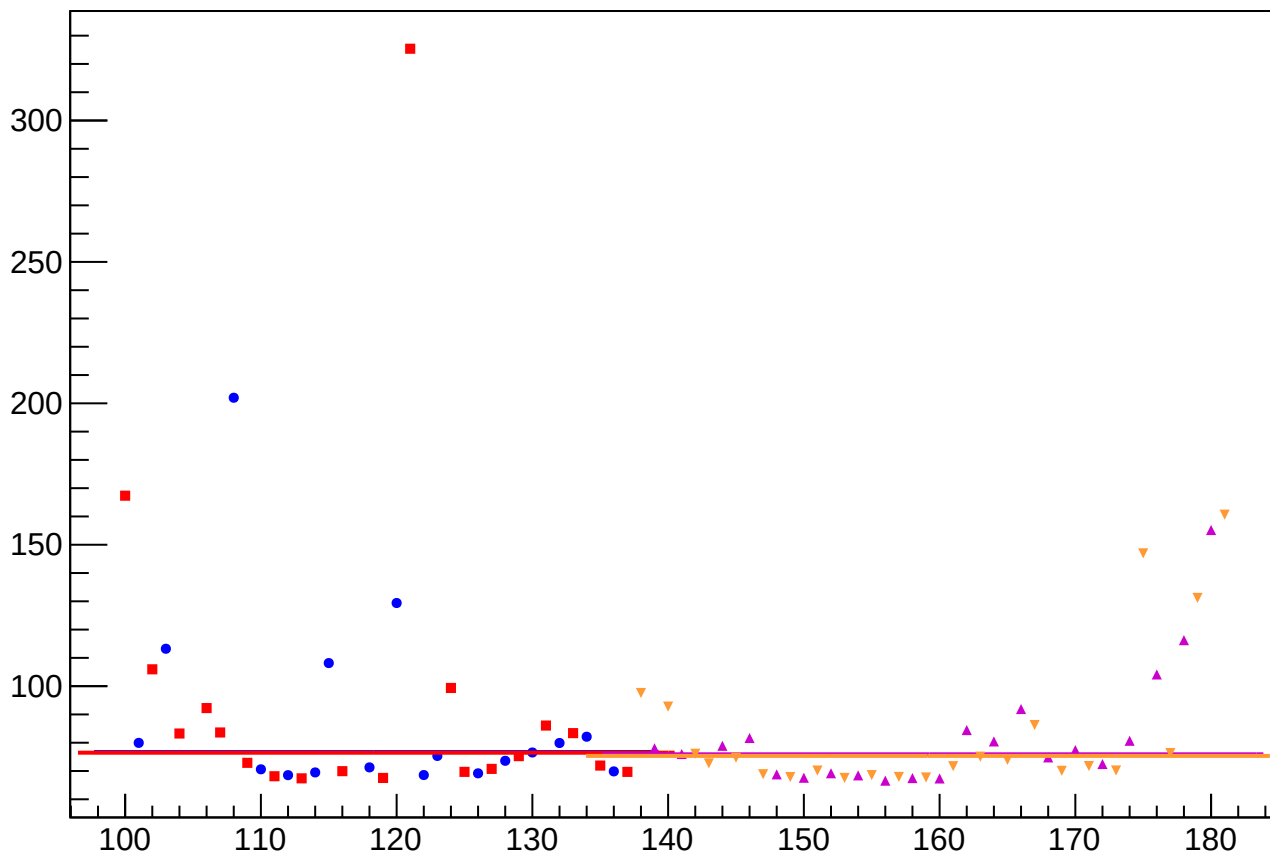
Right: -153.254 ± 21.215 χ^2/NDF : 62.3/35

In: -184.753 ± 16.269 χ^2/NDF : 42.9/37

Out: -172.455 ± 15.825 χ^2/NDF : 64.2/41

All: -178.434 ± 11.344 χ^2/NDF : 107.5/79

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 76.692 $\pm$ 0.021 χ^2 /NDF: 600348.1/16

Left Out: 75.340 $\pm$ 0.013 χ^2 /NDF:1296862.0/22

Right Out: 76.479 $\pm$ 0.021 χ^2 /NDF: 699361.8/18

Left In: 75.904 $\pm$ 0.014 χ^2 /NDF:912453.7/20

Left: 75.614 $\pm$ 0.009 χ^2 /NDF: 2210199.7/43

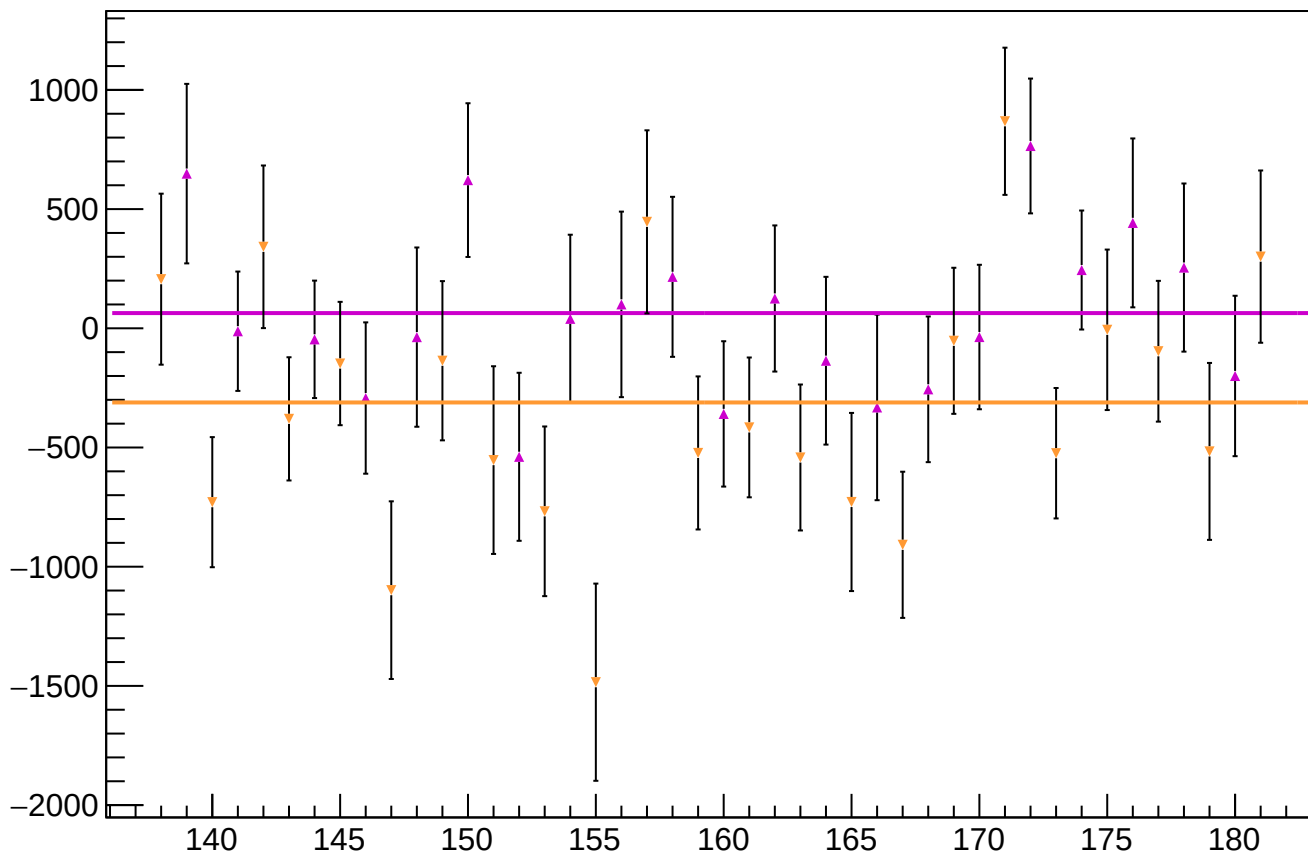
Right: 76.583 $\pm$ 0.015 χ^2 /NDF: 1299760.4/35

In: 76.130 $\pm$ 0.012 χ^2 /NDF:1513760.4/37

Out: 75.665 $\pm$ 0.011 χ^2 /NDF:1998337.9/41

All: 75.891 $\pm$ 0.008 χ^2 /NDF: 3512938.5/79

asym_sam8_correction_mean vs Slug, Sign Corrected



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

Left Out: -311.081+/-67.056 χ^2/NDF :53.9/22

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

Left In: 63.848+/-69.208 χ^2/NDF :23.4/20

Left: -129.539+/-48.159 χ^2/NDF : 92.4/43

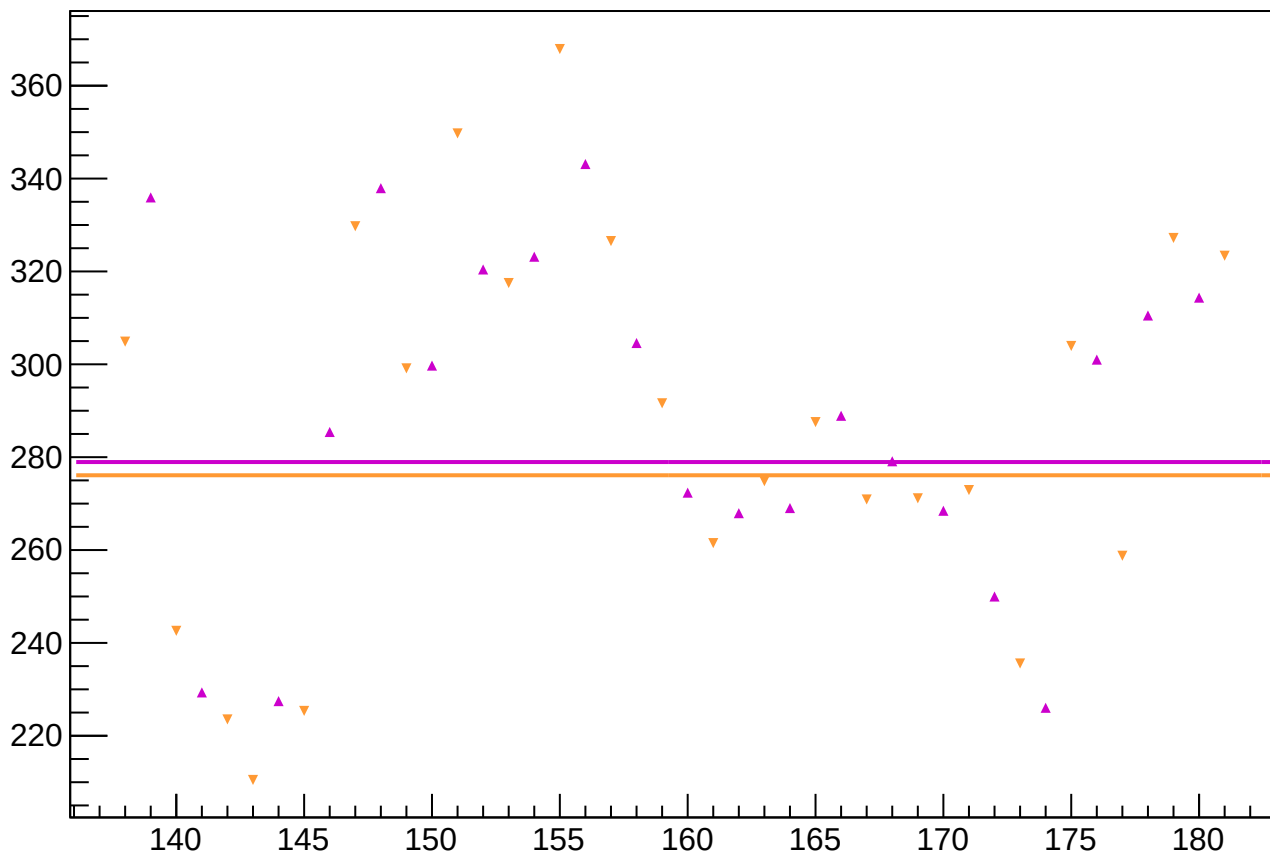
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 63.848+/-69.208 χ^2/NDF :23.4/20

Out: -311.081+/-67.056 χ^2/NDF :53.9/22

All: -129.539+/-48.159 χ^2/NDF : 92.4/43

asym_sam8_correction_rms vs Slug, Sign Corrected



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

Left Out: 276.104+/-0.047 χ^2/NDF : 726946.9/22

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

Left In: 278.951+/-0.049 χ^2/NDF : 560945.5/20

Left: 277.483+/-0.034 χ^2/NDF : 1289638.3/43

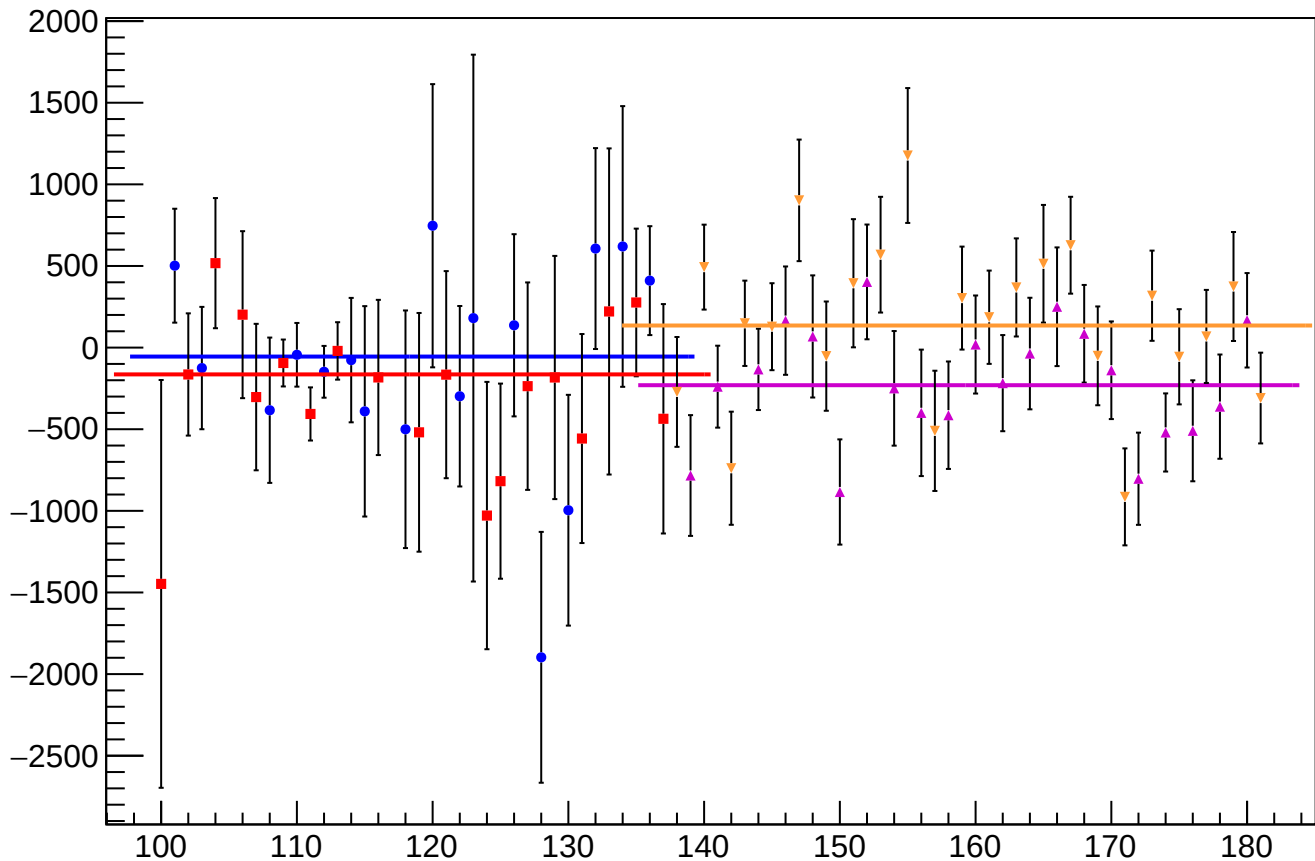
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 278.951+/-0.049 χ^2/NDF : 560945.5/20

Out: 276.104+/-0.047 χ^2/NDF : 726946.9/22

All: 277.483+/-0.034 χ^2/NDF : 1289638.3/43

asym_sam8_mean vs Slug, Sign Corrected



Right In: -54.933 $\pm$ 90.355 χ^2/NDF : 16.5/16

Left Out: 135.352 $\pm$ 64.781 χ^2/NDF : 47.3/22

Right Out: -164.141 $\pm$ 76.903 χ^2/NDF : 11.9/18

Left In: -230.335 $\pm$ 67.332 χ^2/NDF : 24.7/20

Left: -40.434 $\pm$ 46.683 χ^2/NDF : 87.3/43

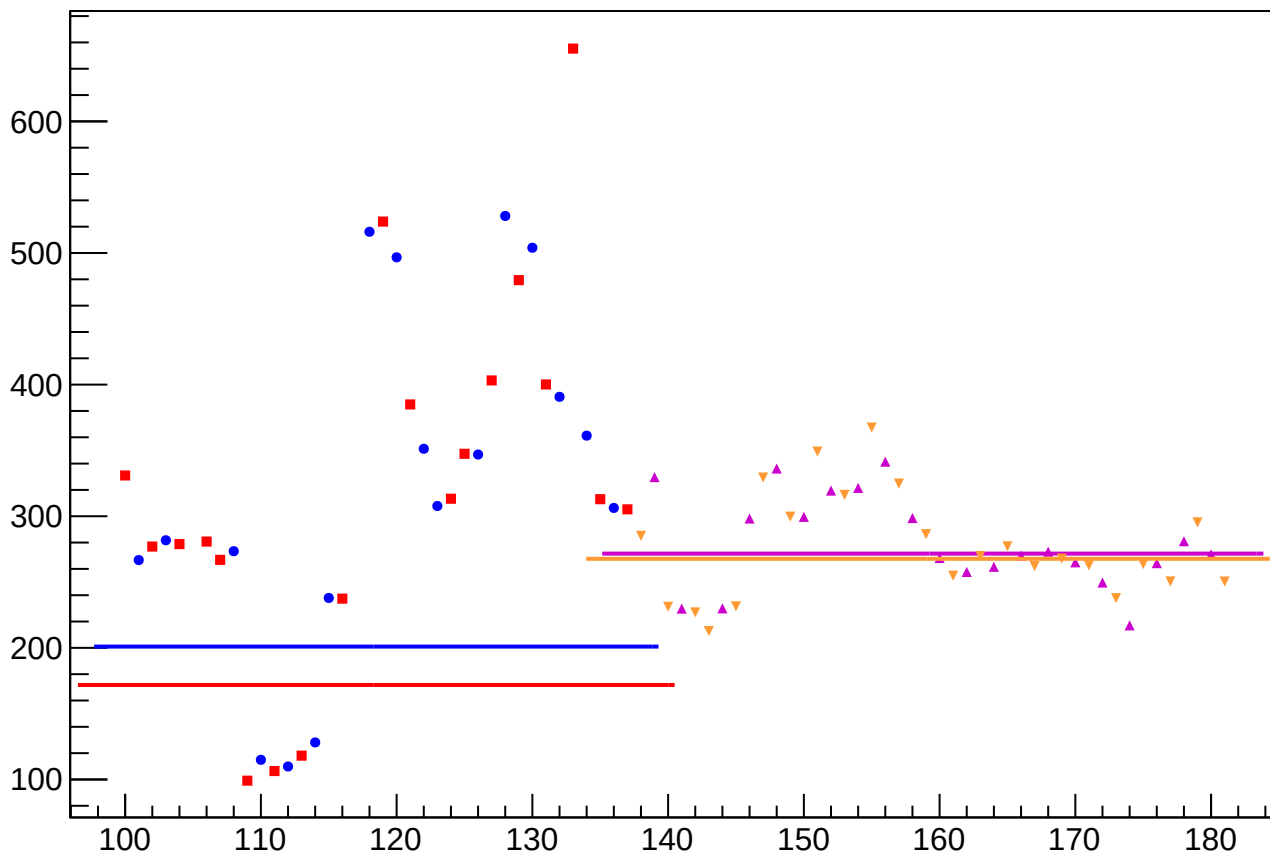
Right: -118.264 $\pm$ 58.563 χ^2/NDF : 29.3/35

In: -167.709 $\pm$ 53.990 χ^2/NDF : 43.7/37

Out: 11.042 $\pm$ 49.545 χ^2/NDF : 68.0/41

All: -70.674 $\pm$ 36.504 χ^2/NDF : 117.7/79

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.971+/-0.064 χ^2/NDF : 3436154.0/16

Left Out: 267.661+/-0.046 χ^2/NDF : 625537.3/22

Right Out: 171.794+/-0.054 χ^2/NDF : 4092634.7/18

Left In: 271.620+/-0.048 χ^2/NDF : 530575.8/20

Left: 269.564+/-0.033 χ^2/NDF : 1159703.7/43

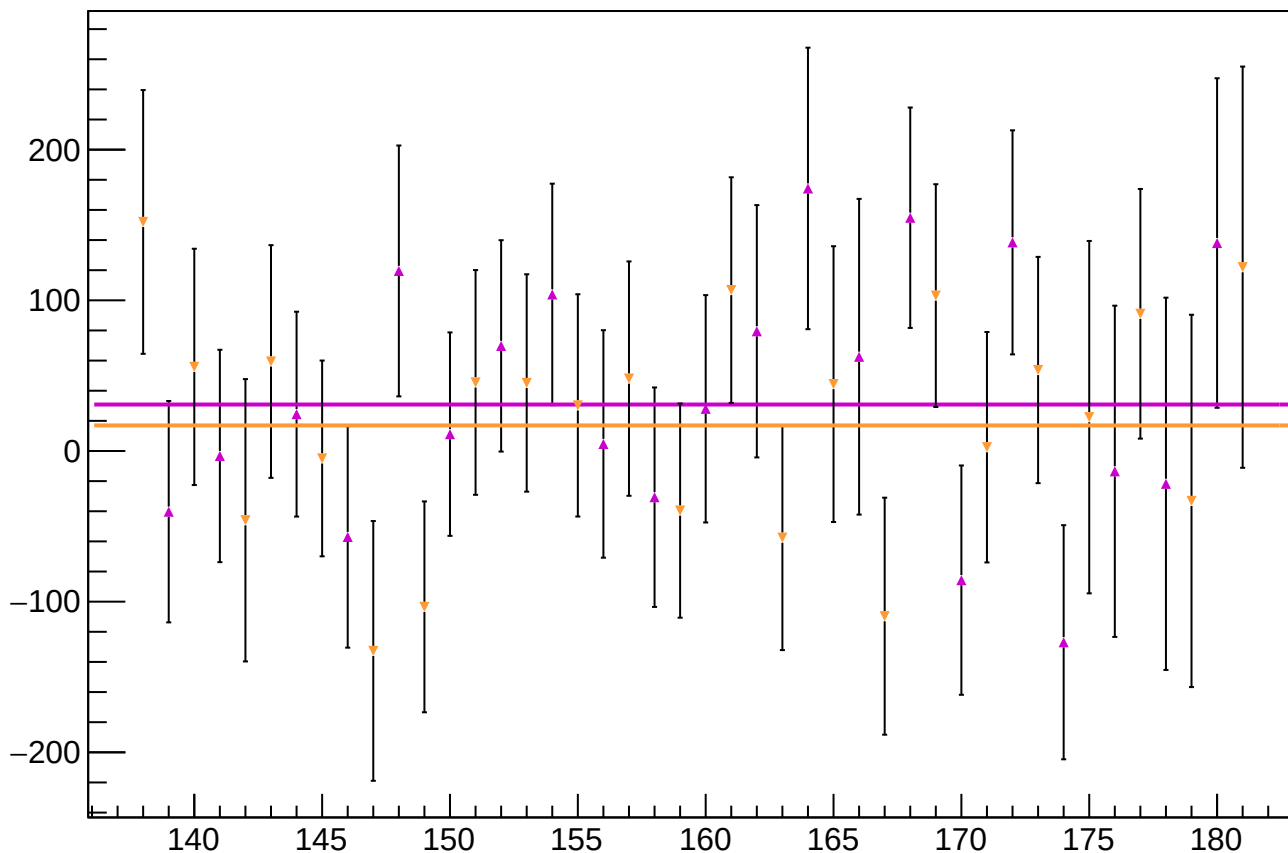
Right: 184.051+/-0.041 χ^2/NDF : 7649725.9/35

In: 246.395+/-0.038 χ^2/NDF : 4752916.4/37

Out: 227.870+/-0.035 χ^2/NDF : 6536154.6/41

All: 236.339+/-0.026 χ^2/NDF : 11416901.2/79

dit_asym_sam_15_avg_mean vs Slug, Sign Corrected



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

Left Out: 16.972 $\pm$ 16.713 χ^2 /NDF:18.9/22

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

Left In: 30.839 $\pm$ 17.237 χ^2 /NDF:21.5/20

Left: 23.692 $\pm$ 11.999 χ^2 /NDF: 40.8/43

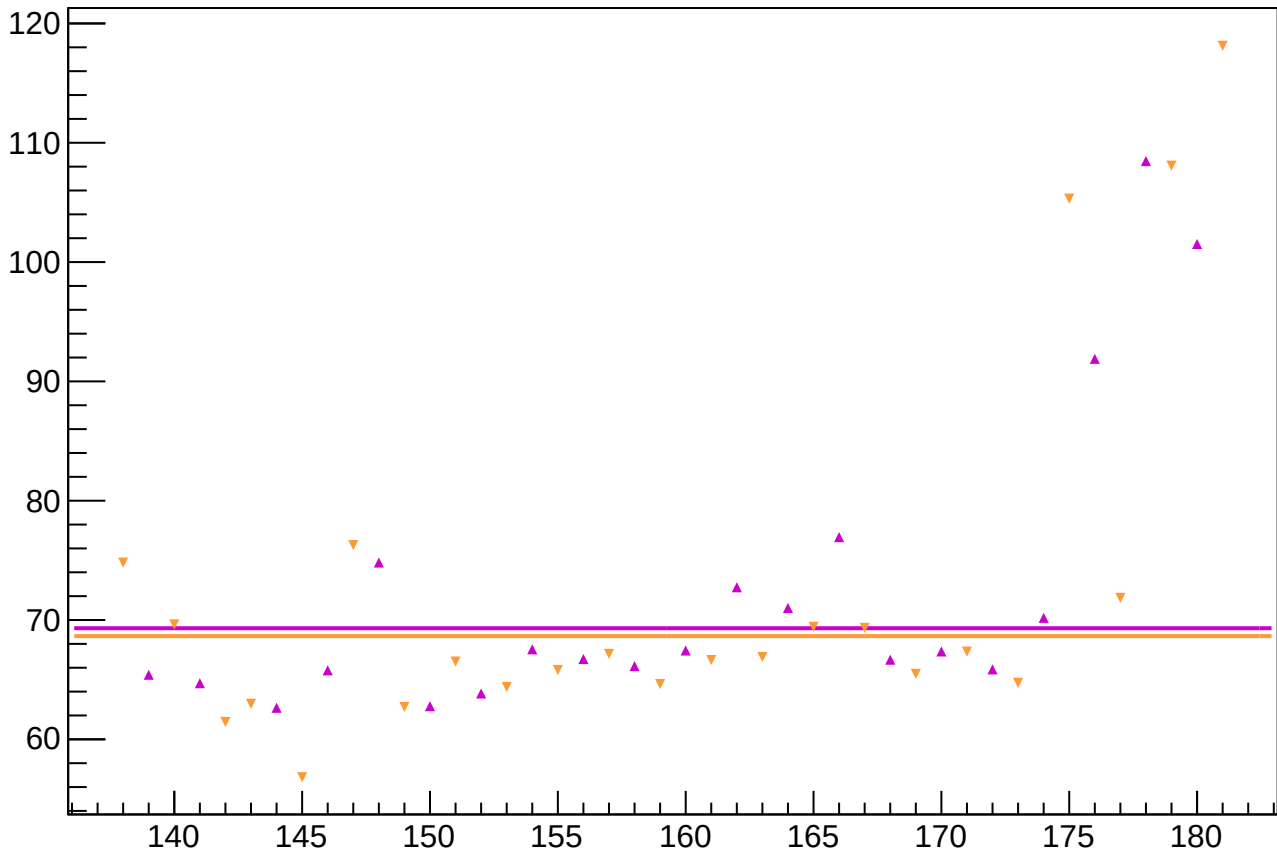
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 30.839 $\pm$ 17.237 χ^2 /NDF:21.5/20

Out: 16.972 $\pm$ 16.713 χ^2 /NDF:18.9/22

All: 23.692 $\pm$ 11.999 χ^2 /NDF: 40.8/43

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



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

Left Out: 68.650+/-0.012 χ^2/NDF : 839839.1/22

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

Left In: 69.312+/-0.012 χ^2/NDF : 568069.7/20

Left: 68.971+/-0.008 χ^2/NDF : 1409431.4/43

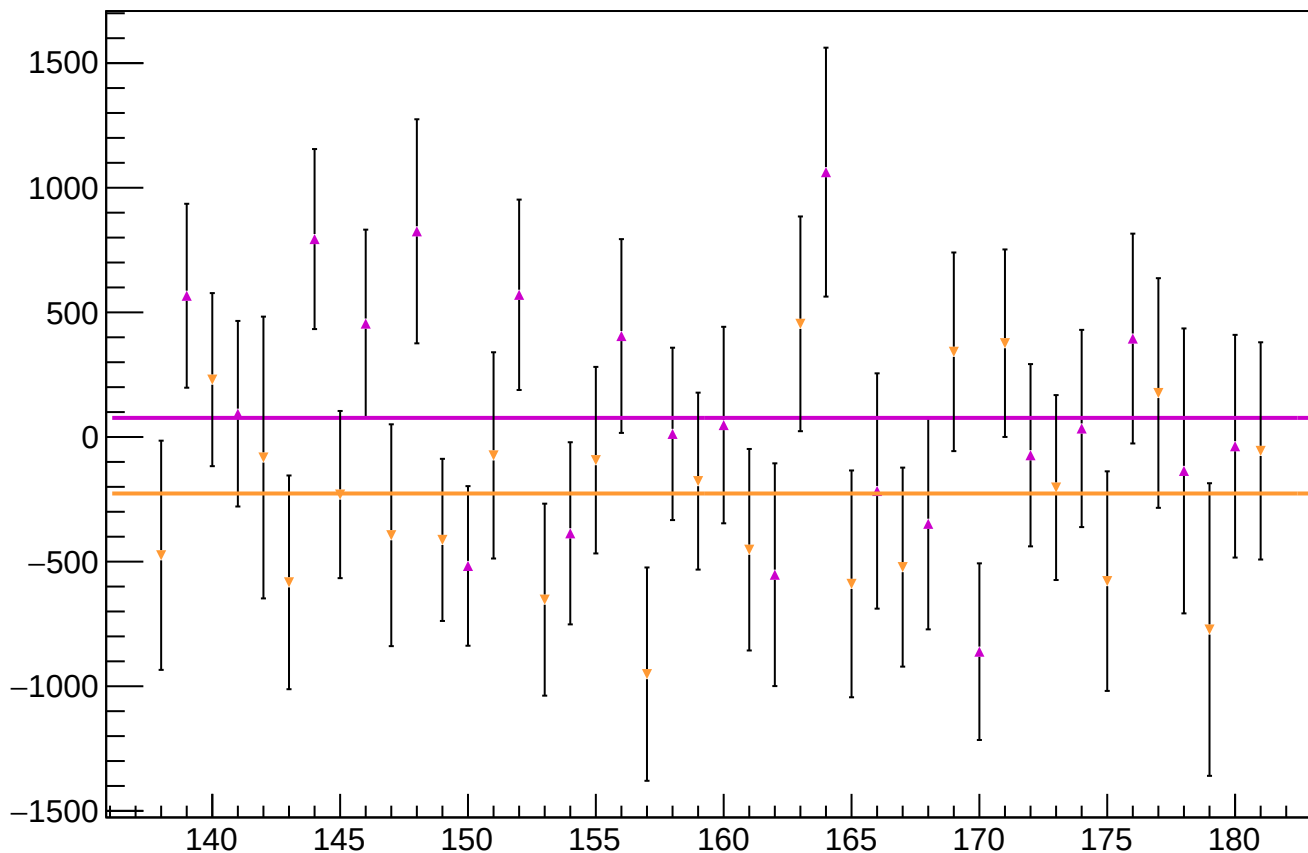
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 69.312+/-0.012 χ^2/NDF : 568069.7/20

Out: 68.650+/-0.012 χ^2/NDF : 839839.1/22

All: 68.971+/-0.008 χ^2/NDF : 1409431.4/43

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -226.644+/-84.698 χ^2/NDF :18.6/22

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

Left In: 76.661+/-86.270 χ^2/NDF :32.2/20

Left: -77.780+/-60.439 χ^2/NDF : 57.1/43

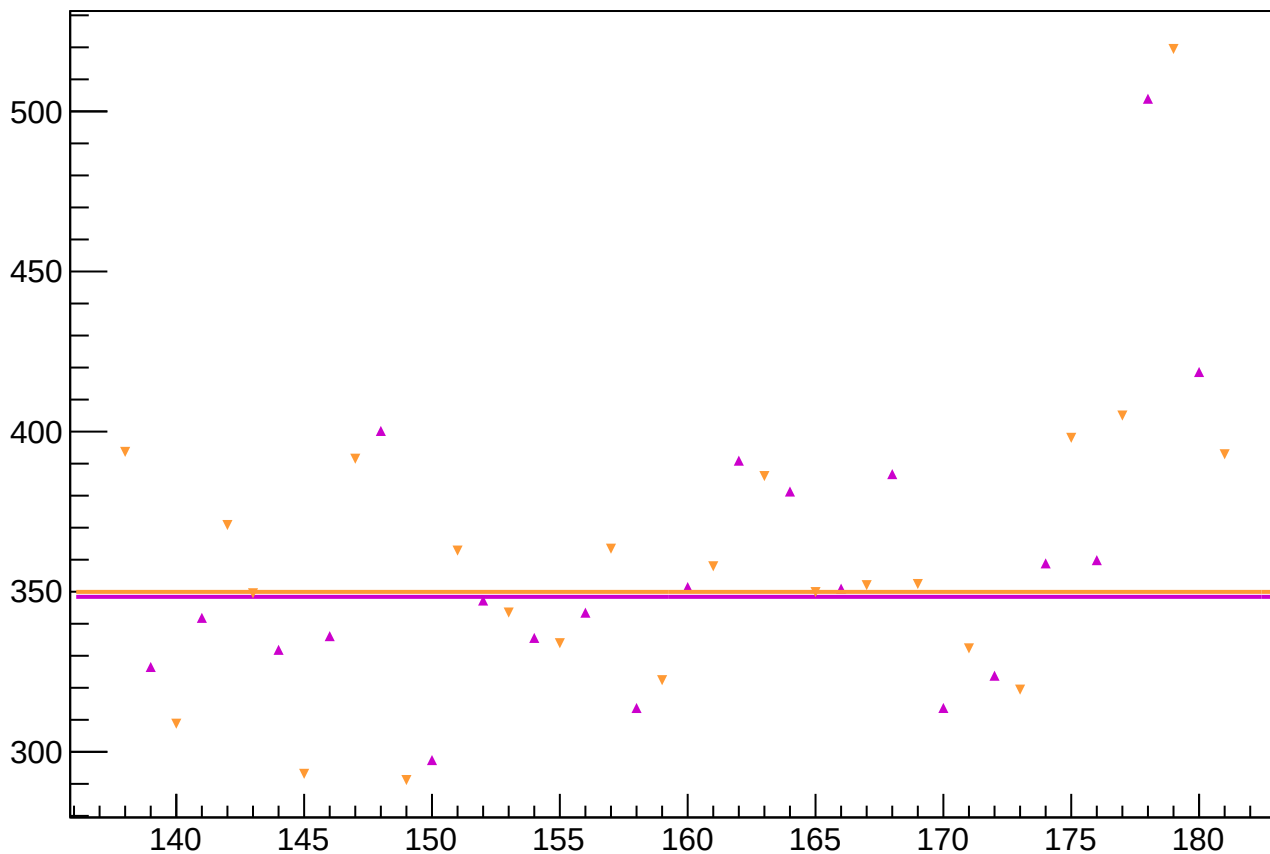
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 76.661+/-86.270 χ^2/NDF :32.2/20

Out: -226.644+/-84.698 χ^2/NDF :18.6/22

All: -77.780+/-60.439 χ^2/NDF : 57.1/43

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 349.953+/-0.060 χ^2/NDF :480987.4/22

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

Left In: 348.400+/-0.061 χ^2/NDF :386161.2/20

Left: 349.191+/-0.043 χ^2/NDF : 867478.5/43

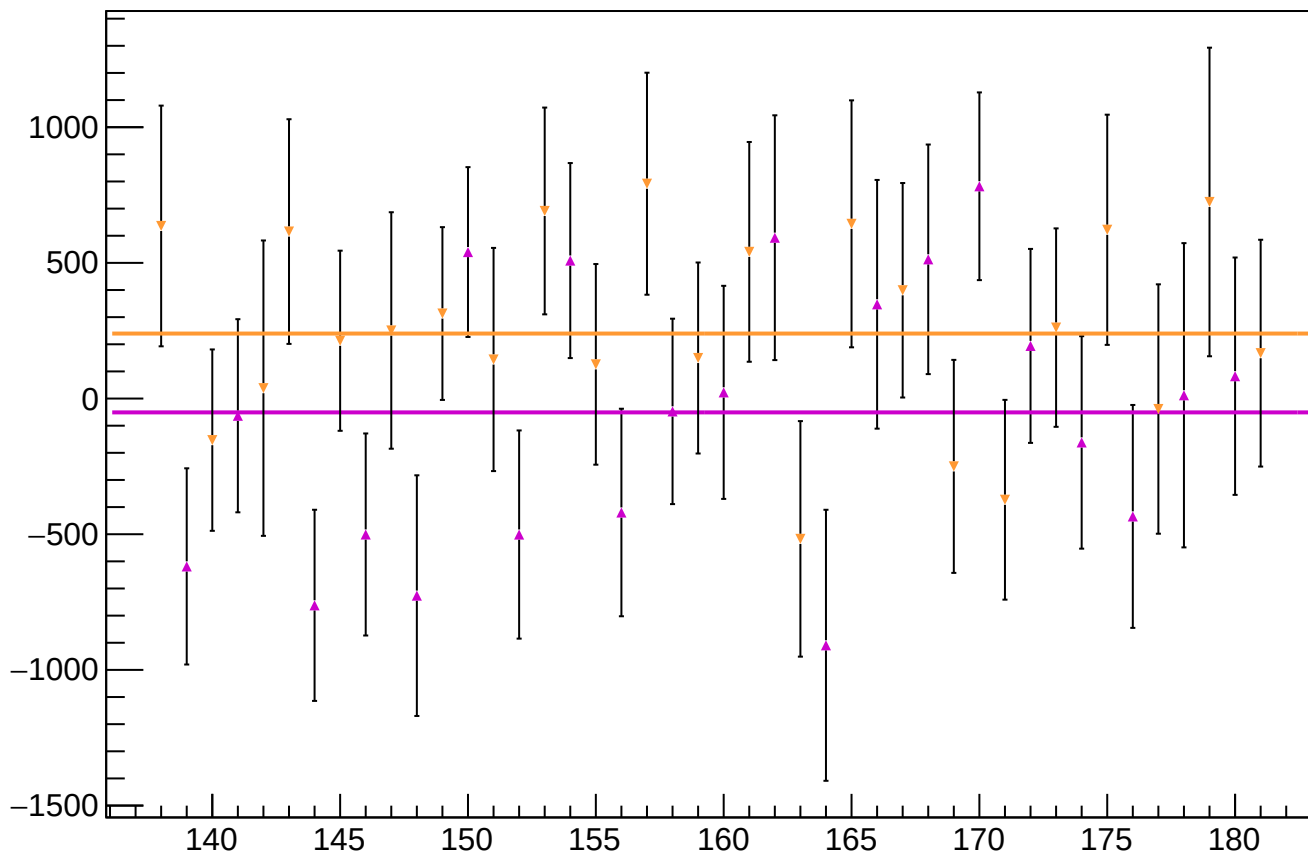
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 348.400+/-0.061 χ^2/NDF :386161.2/20

Out: 349.953+/-0.060 χ^2/NDF :480987.4/22

All: 349.191+/-0.043 χ^2/NDF : 867478.5/43

asym_sam_15_avg_mean vs Slug, Sign Corrected



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

Left Out: 239.544 $\pm$ 83.128 χ^2 /NDF:17.5/22

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

Left In: -51.005 $\pm$ 84.861 χ^2 /NDF:33.5/20

Left: 97.266 $\pm$ 59.383 χ^2 /NDF: 56.9/43

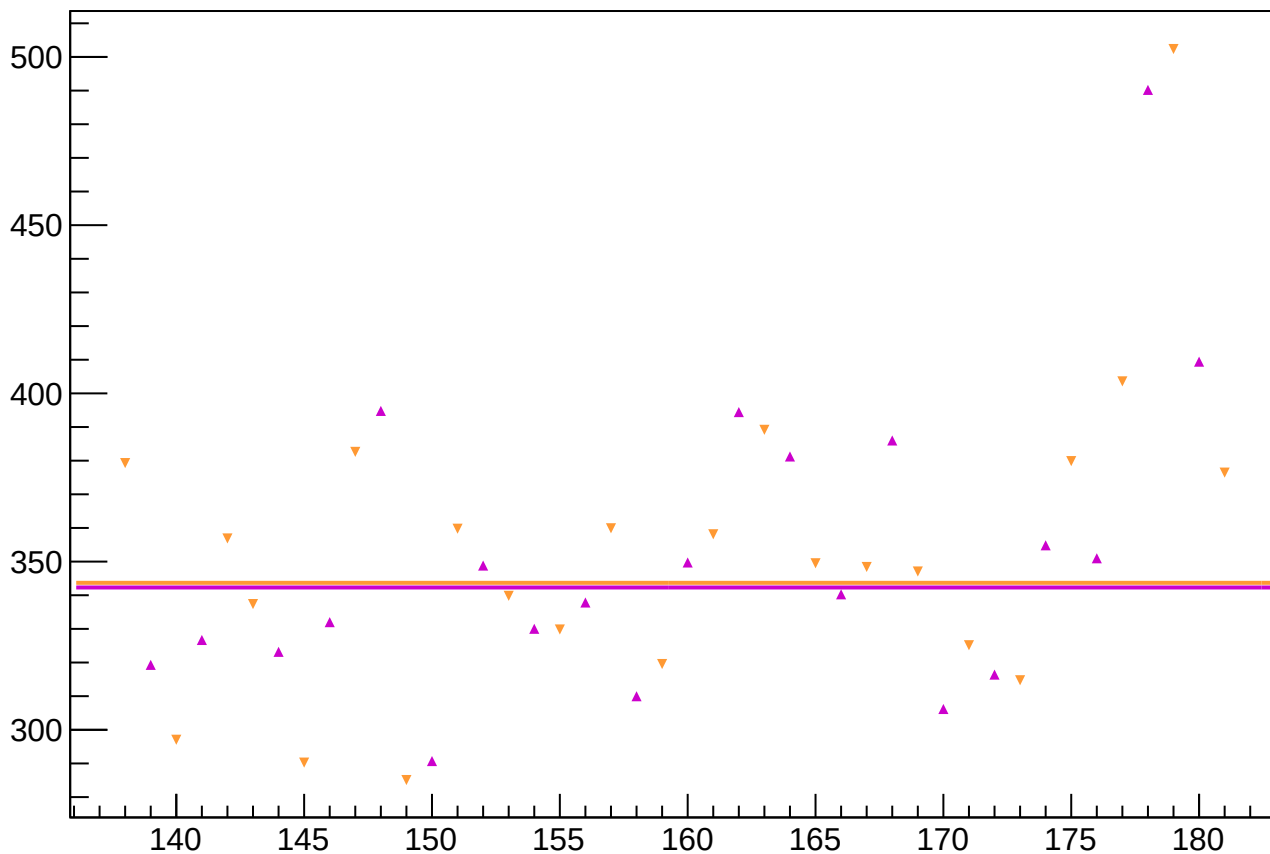
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -51.005 $\pm$ 84.861 χ^2 /NDF:33.5/20

Out: 239.544 $\pm$ 83.128 χ^2 /NDF:17.5/22

All: 97.266 $\pm$ 59.383 χ^2 /NDF: 56.9/43

asym_sam_15_avg_rms vs Slug, Sign Corrected



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

Left Out: 343.694+/-0.059 χ^2/NDF : 467072.8/22

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

Left In: 342.304+/-0.060 χ^2/NDF : 405340.4/20

Left: 343.013+/-0.042 χ^2/NDF : 872687.3/43

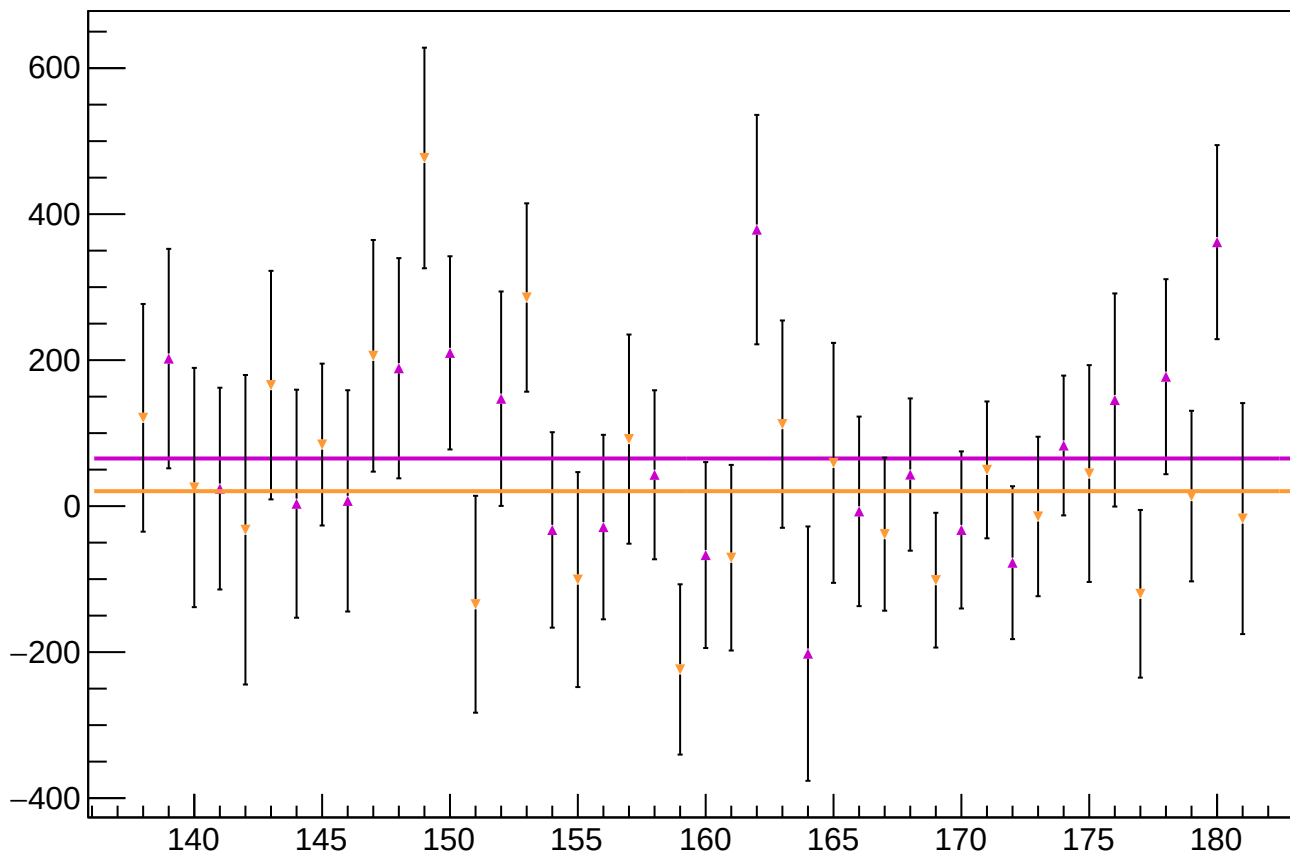
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 342.304+/-0.060 χ^2/NDF : 405340.4/20

Out: 343.694+/-0.059 χ^2/NDF : 467072.8/22

All: 343.013+/-0.042 χ^2/NDF : 872687.3/43

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: 20.509 $\pm$ 27.031 χ^2 /NDF:27.6/22

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

Left In: 65.274 $\pm$ 28.238 χ^2 /NDF:21.0/20

Left: 41.914 $\pm$ 19.527 χ^2 /NDF: 49.9/43

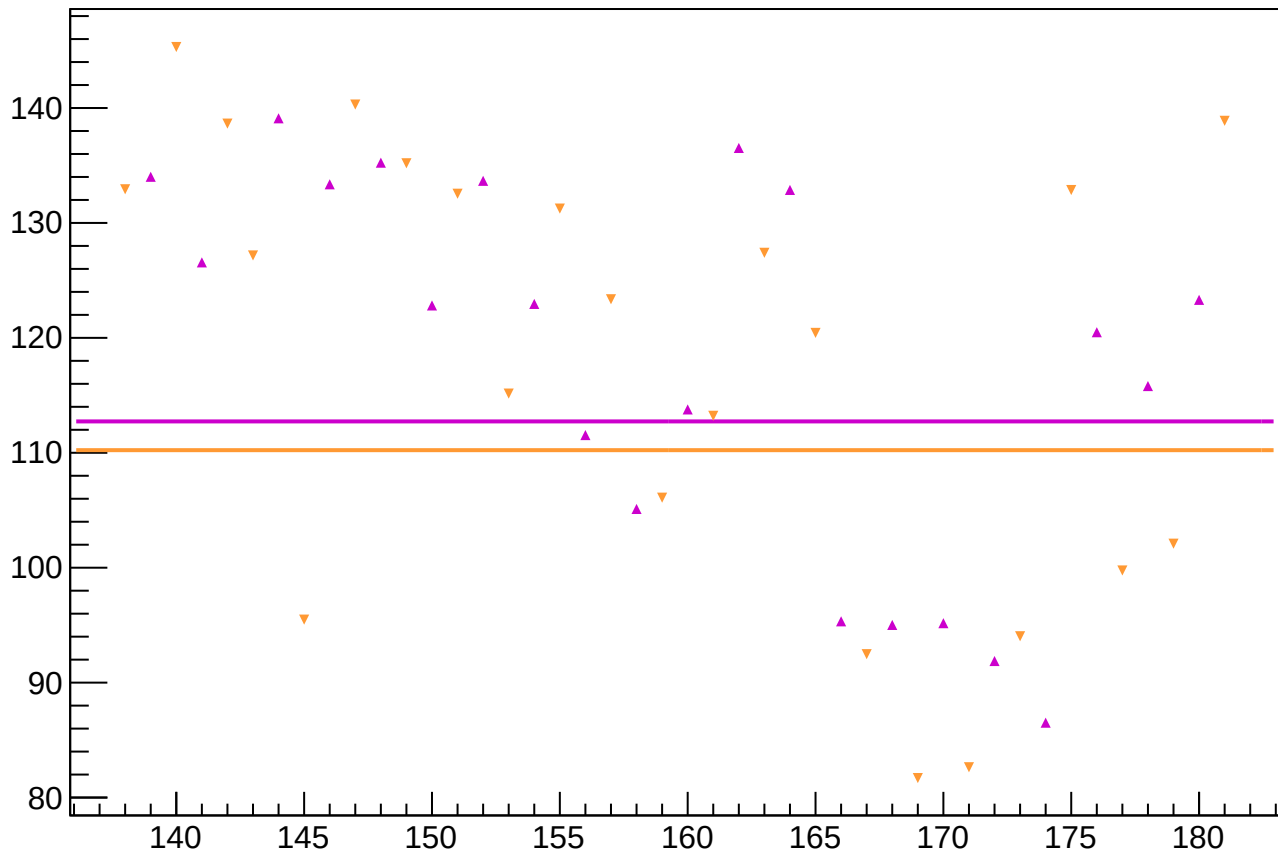
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 65.274 $\pm$ 28.238 χ^2 /NDF:21.0/20

Out: 20.509 $\pm$ 27.031 χ^2 /NDF:27.6/22

All: 41.914 $\pm$ 19.527 χ^2 /NDF: 49.9/43

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



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

Left Out: 110.227 $\pm$ 0.019 χ^2/NDF :1105248.1/22

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

Left In: 112.730 $\pm$ 0.020 χ^2/NDF :739634.6/20

Left: 111.424 $\pm$ 0.014 χ^2/NDF : 1853078.1/43

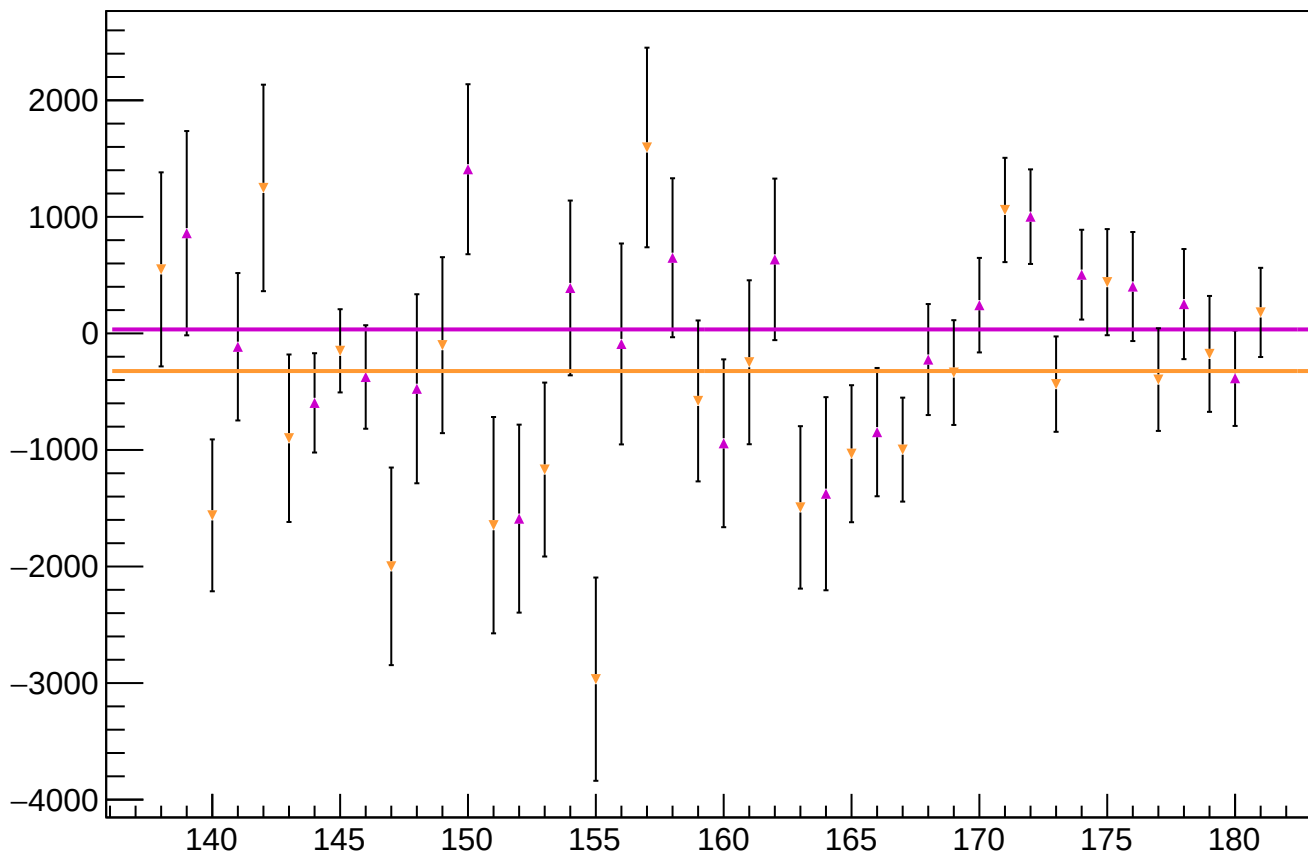
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 112.730 $\pm$ 0.020 χ^2/NDF :739634.6/20

Out: 110.227 $\pm$ 0.019 χ^2/NDF :1105248.1/22

All: 111.424 $\pm$ 0.014 χ^2/NDF : 1853078.1/43

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -322.992 $\pm$ 115.845 χ^2 /NDF:51.2/22

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

Left In: 34.149 $\pm$ 118.116 χ^2 /NDF:30.7/20

Left: -147.888 $\pm$ 82.706 χ^2 /NDF: 86.6/43

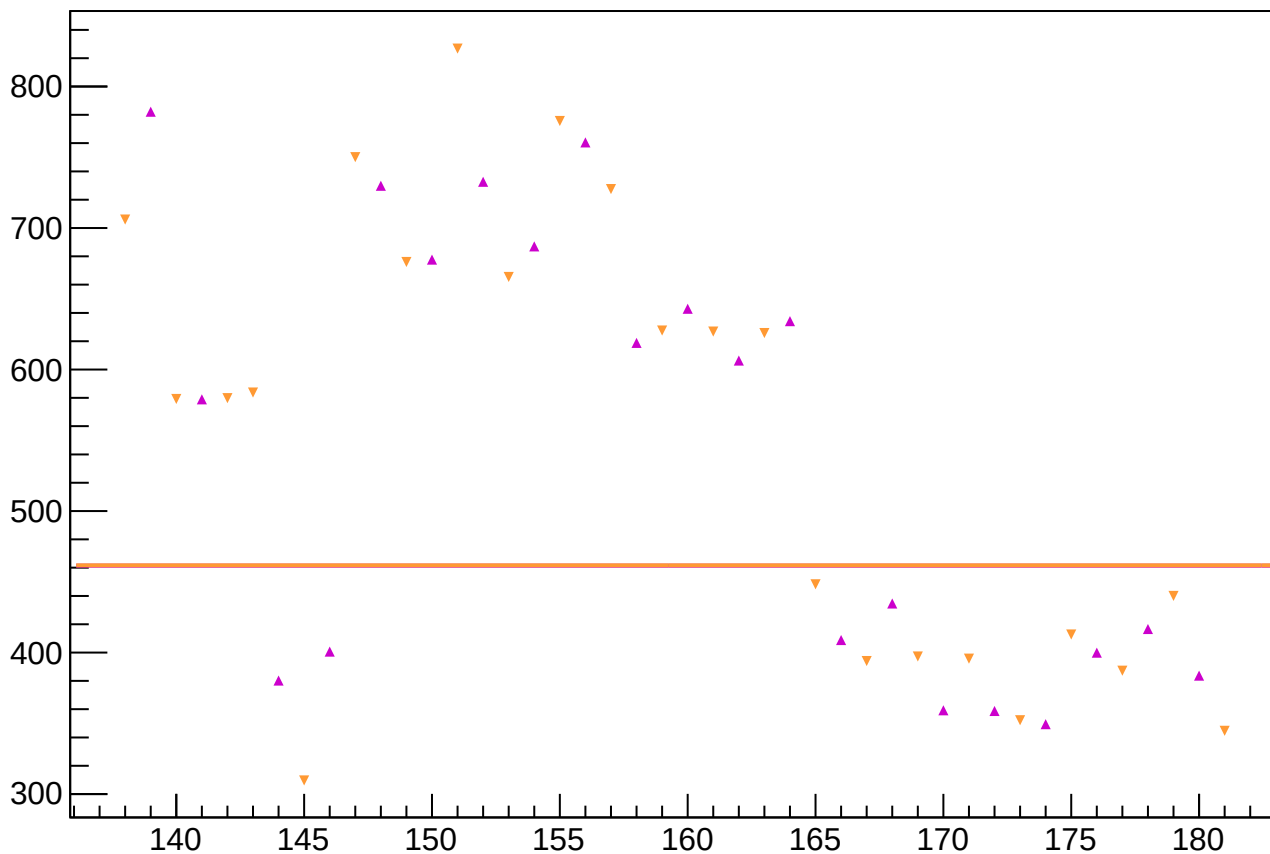
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 34.149 $\pm$ 118.116 χ^2 /NDF:30.7/20

Out: -322.992 $\pm$ 115.845 χ^2 /NDF:51.2/22

All: -147.888 $\pm$ 82.706 χ^2 /NDF: 86.6/43

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 461.643+/-0.082 χ^2/NDF : 2879489.4/22

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

Left In: 461.398+/-0.084 χ^2/NDF : 2471715.3/20

Left: 461.523+/-0.058 χ^2/NDF : 5351209.1/43

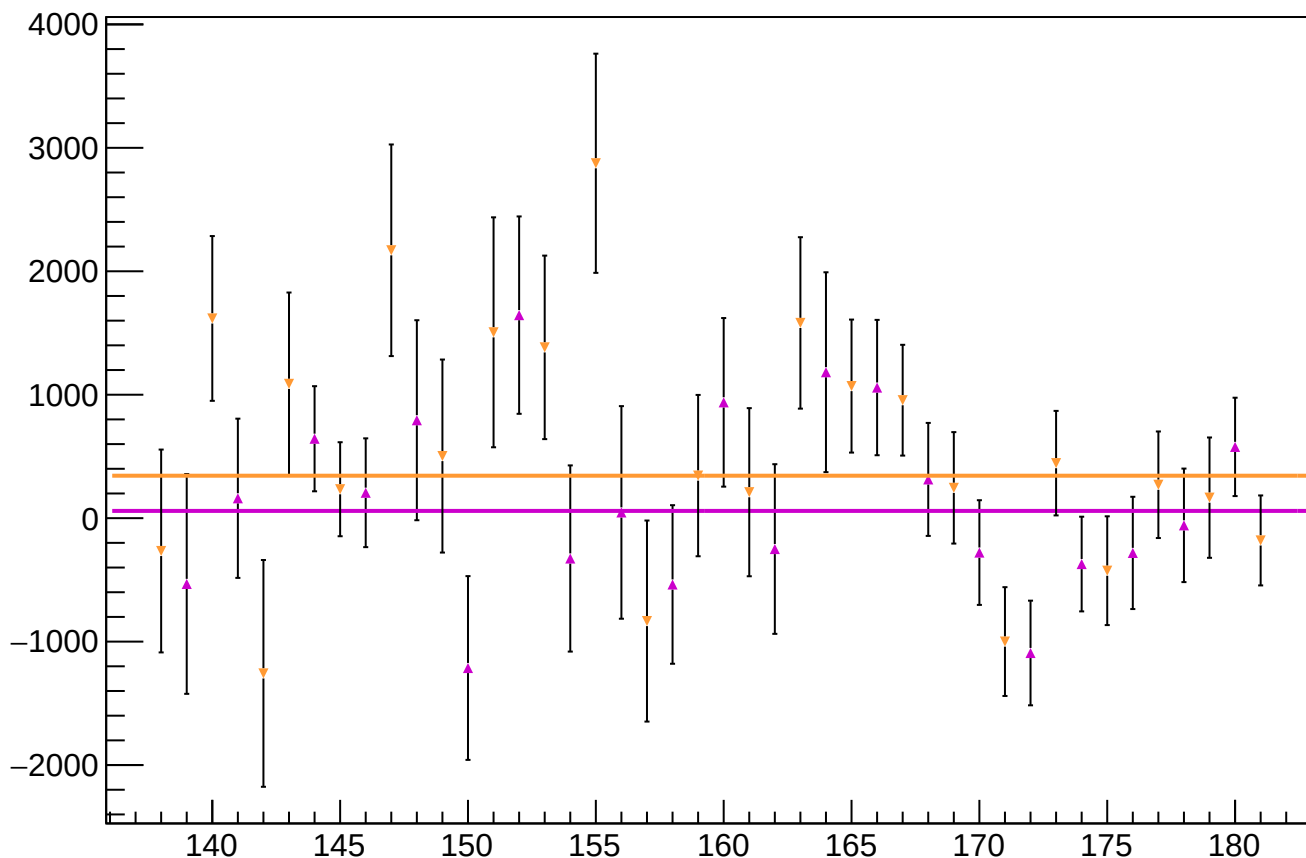
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 461.398+/-0.084 χ^2/NDF : 2471715.3/20

Out: 461.643+/-0.082 χ^2/NDF : 2879489.4/22

All: 461.523+/-0.058 χ^2/NDF : 5351209.1/43

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 343.956 ± 115.281 $\chi^2/\text{NDF}: 48.2/22$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: 58.764 ± 117.497 $\chi^2/\text{NDF}: 30.3/20$

Left: 204.075 ± 82.288 $\chi^2/\text{NDF}: 81.5/43$

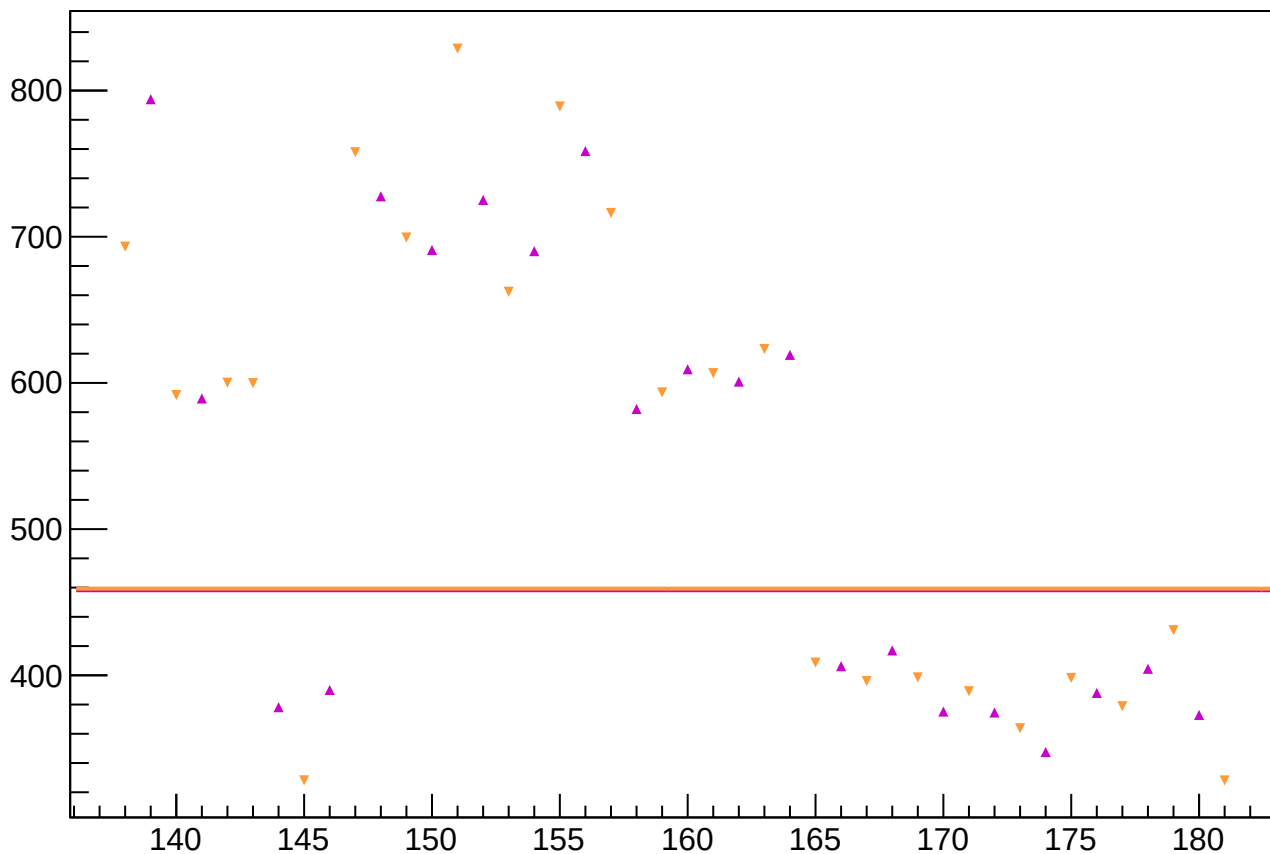
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: 58.764 ± 117.497 $\chi^2/\text{NDF}: 30.3/20$

Out: 343.956 ± 115.281 $\chi^2/\text{NDF}: 48.2/22$

All: 204.075 ± 82.288 $\chi^2/\text{NDF}: 81.5/43$

asym_sam_26_avg_rms vs Slug, Sign Corrected



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

Left Out: 459.282+/-0.082 χ^2/NDF :2877227.3/22

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

Left In: 458.207+/-0.083 χ^2/NDF :2417991.8/20

Left: 458.755+/-0.058 χ^2/NDF : 5295304.5/43

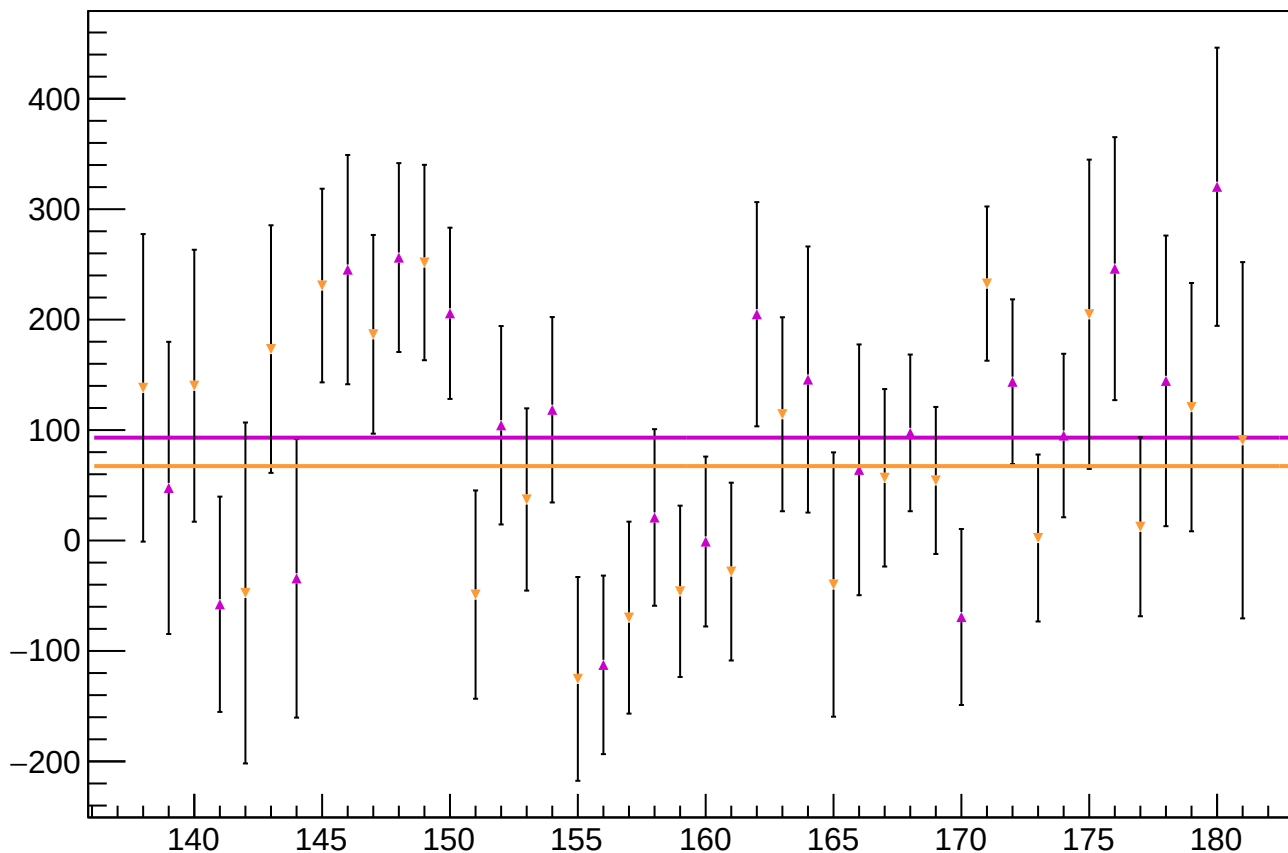
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 458.207+/-0.083 χ^2/NDF :2417991.8/20

Out: 459.282+/-0.082 χ^2/NDF :2877227.3/22

All: 458.755+/-0.058 χ^2/NDF : 5295304.5/43

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: 67.375 $\pm$ 19.134 χ^2 /NDF:32.8/22

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

Left In: 93.130 $\pm$ 19.926 χ^2 /NDF:31.5/20

Left: 79.731 $\pm$ 13.801 χ^2 /NDF: 65.2/43

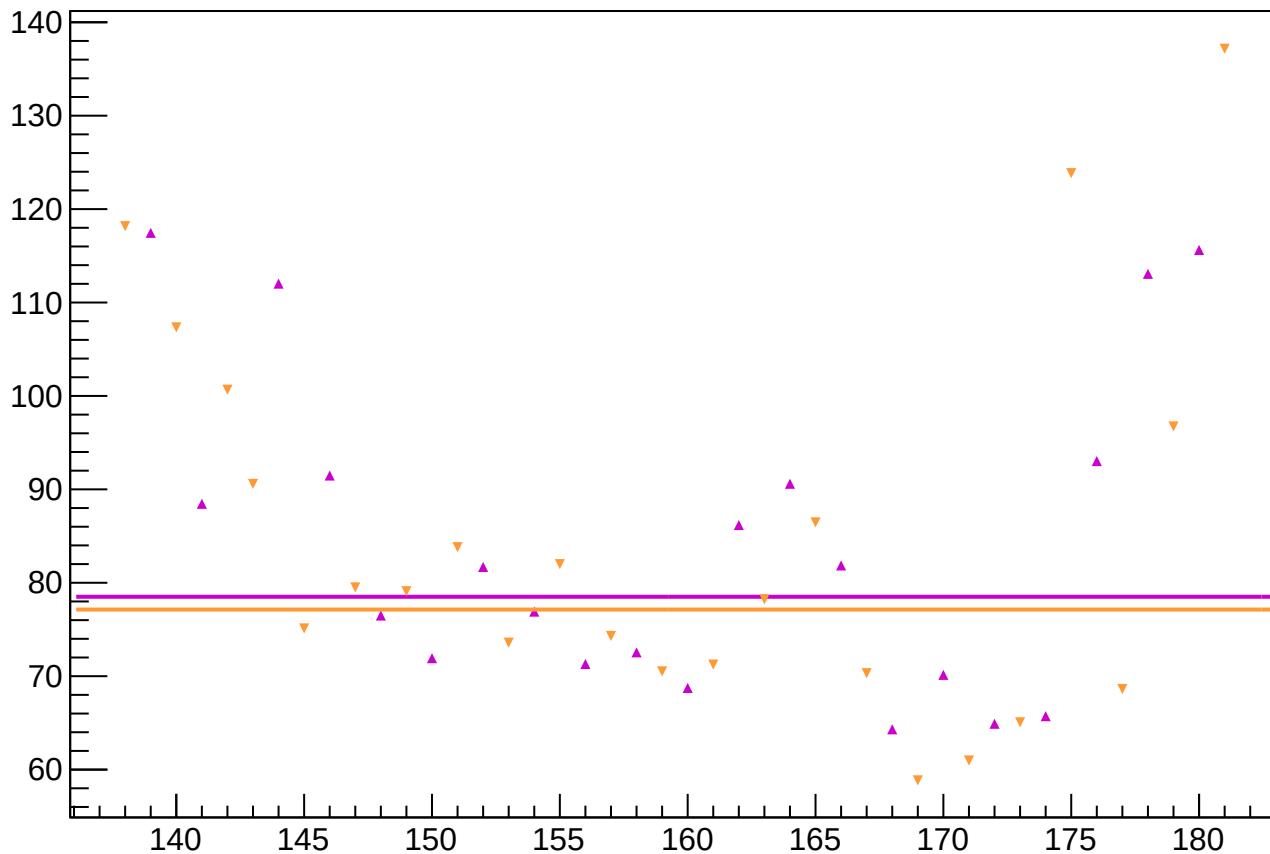
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 93.130 $\pm$ 19.926 χ^2 /NDF:31.5/20

Out: 67.375 $\pm$ 19.134 χ^2 /NDF:32.8/22

All: 79.731 $\pm$ 13.801 χ^2 /NDF: 65.2/43

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



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

Left Out: 77.133+/-0.014 χ^2/NDF :1338015.2/22

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

Left In: 78.501+/-0.014 χ^2/NDF :1047742.7/20

Left: 77.789+/-0.010 χ^2/NDF : 2390666.8/43

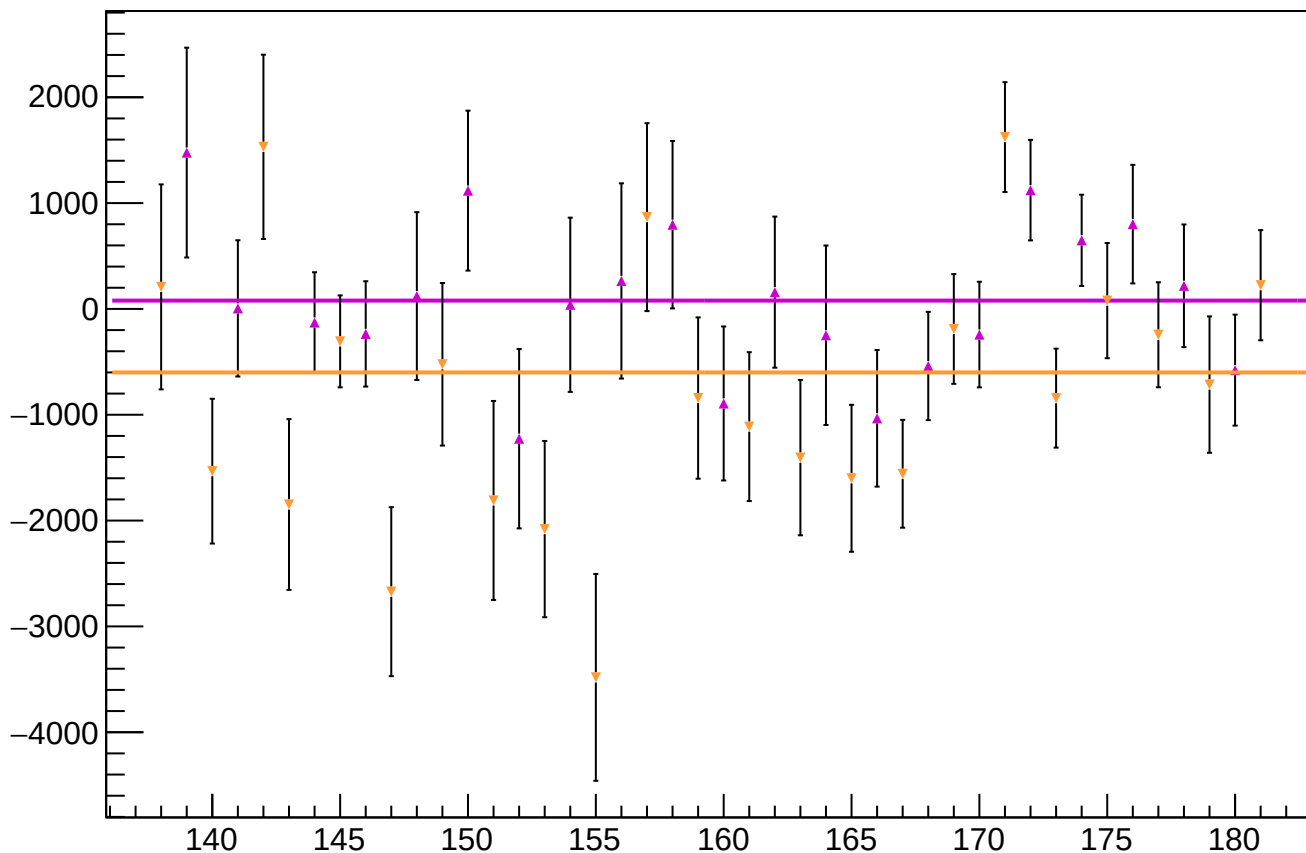
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 78.501+/-0.014 χ^2/NDF :1047742.7/20

Out: 77.133+/-0.014 χ^2/NDF :1338015.2/22

All: 77.789+/-0.010 χ^2/NDF : 2390666.8/43

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -600.171 $\pm$ 132.937 χ^2 /NDF:65.7/22

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

Left In: 78.777 $\pm$ 133.644 χ^2 /NDF:24.4/20

Left: -262.499 $\pm$ 94.250 χ^2 /NDF: 103.0/43

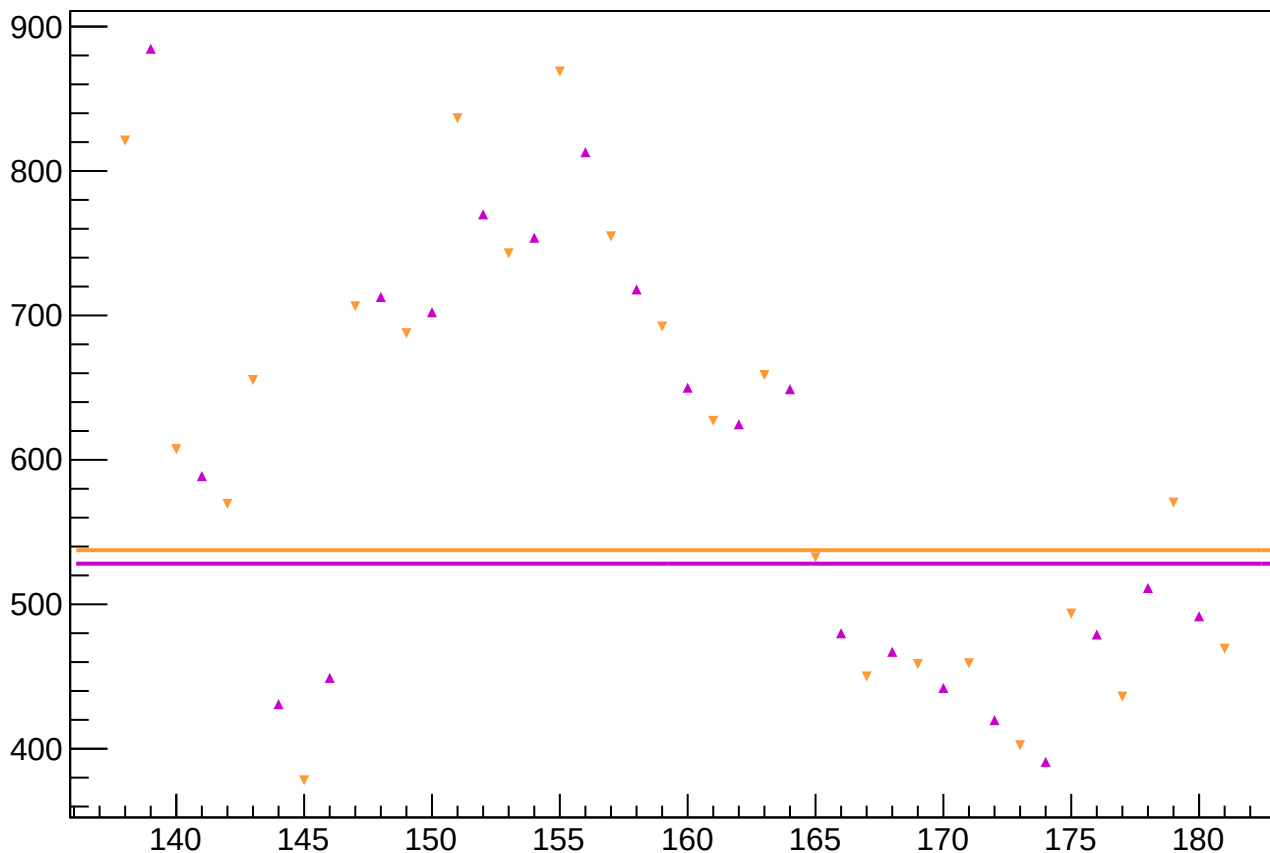
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 78.777 $\pm$ 133.644 χ^2 /NDF:24.4/20

Out: -600.171 $\pm$ 132.937 χ^2 /NDF:65.7/22

All: -262.499 $\pm$ 94.250 χ^2 /NDF: 103.0/43

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 537.450+/-0.094 χ^2/NDF :1970093.3/22

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

Left In: 528.144+/-0.095 χ^2/NDF :1810687.1/20

Left: 532.822+/-0.067 χ^2/NDF : 3785654.6/43

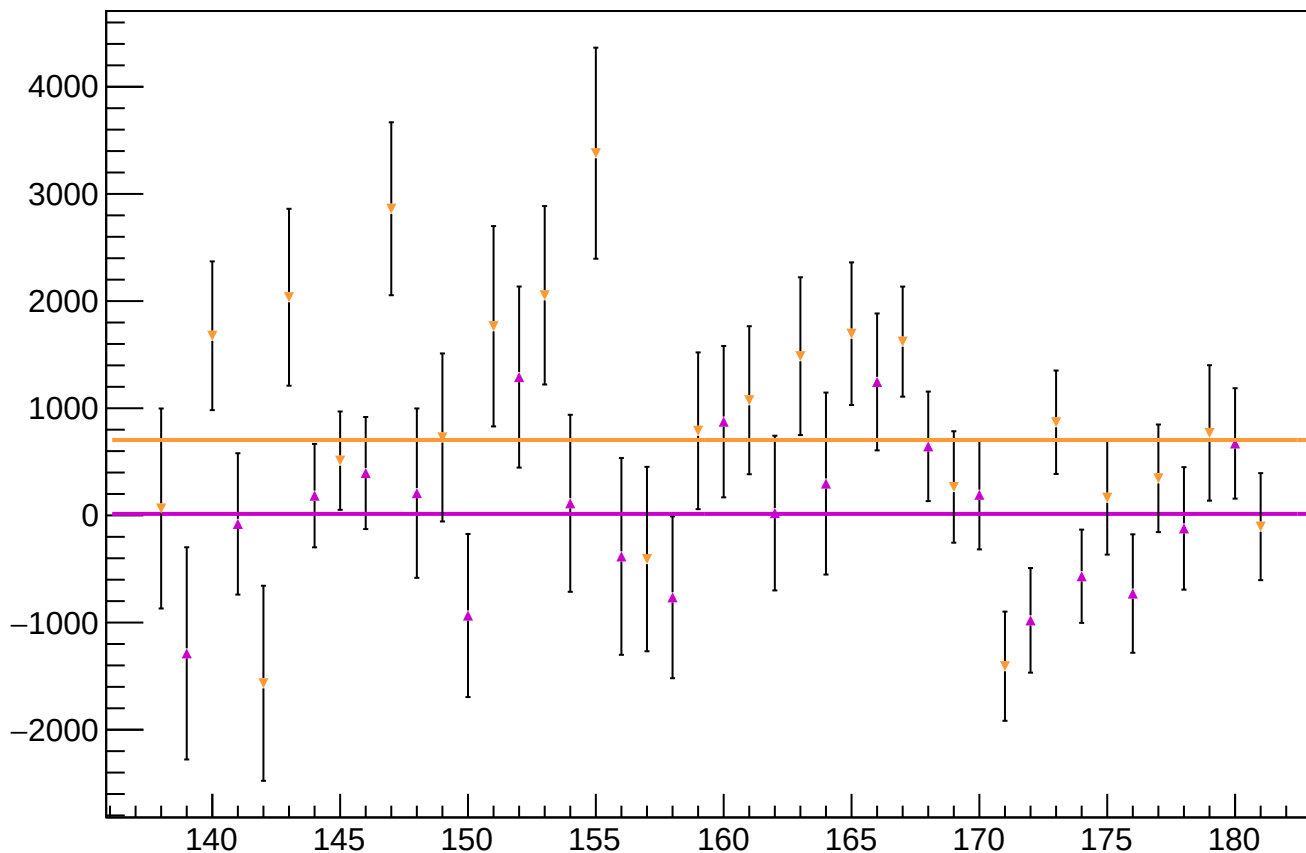
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 528.144+/-0.095 χ^2/NDF :1810687.1/20

Out: 537.450+/-0.094 χ^2/NDF :1970093.3/22

All: 532.822+/-0.067 χ^2/NDF : 3785654.6/43

asym_sam_37_avg_mean vs Slug, Sign Corrected



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

Left Out: 703.918+/-133.023 χ^2/NDF :60.6/22

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

Left In: 13.949+/-134.340 χ^2/NDF :23.9/20

Left: 362.332+/-94.524 χ^2/NDF : 97.8/43

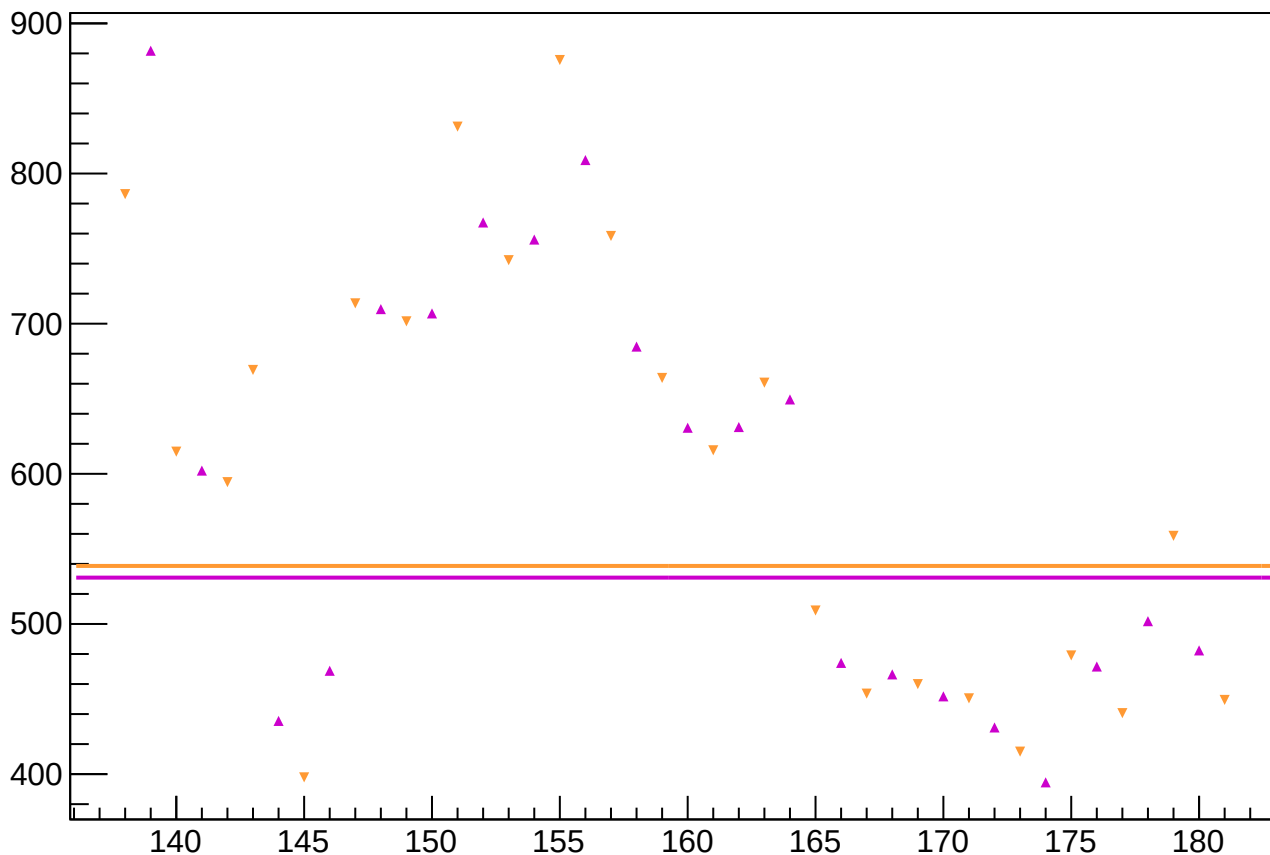
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 13.949+/-134.340 χ^2/NDF :23.9/20

Out: 703.918+/-133.023 χ^2/NDF :60.6/22

All: 362.332+/-94.524 χ^2/NDF : 97.8/43

asym_sam_37_avg_rms vs Slug, Sign Corrected



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

Left Out: 538.656+/-0.094 χ^2/NDF :1872999.8/22

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

Left In: 530.868+/-0.095 χ^2/NDF :1700974.6/20

Left: 534.800+/-0.067 χ^2/NDF : 3577367.6/43

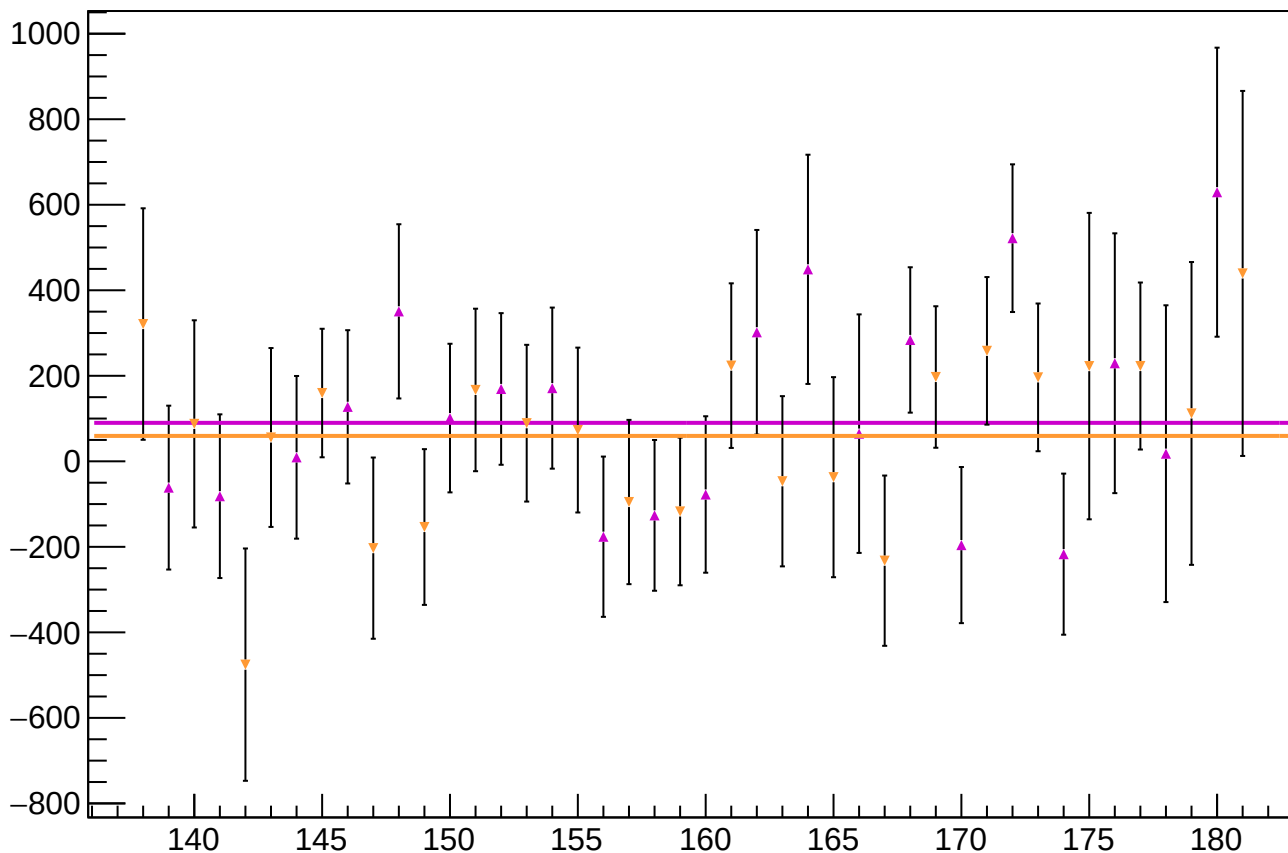
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 530.868+/-0.095 χ^2/NDF :1700974.6/20

Out: 538.656+/-0.094 χ^2/NDF :1872999.8/22

All: 534.800+/-0.067 χ^2/NDF : 3577367.6/43

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: 59.413 $\pm$ 42.424 χ^2 /NDF:17.9/22

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

Left In: 89.972 $\pm$ 43.875 χ^2 /NDF:26.1/20

Left: 74.179 $\pm$ 30.498 χ^2 /NDF: 44.3/43

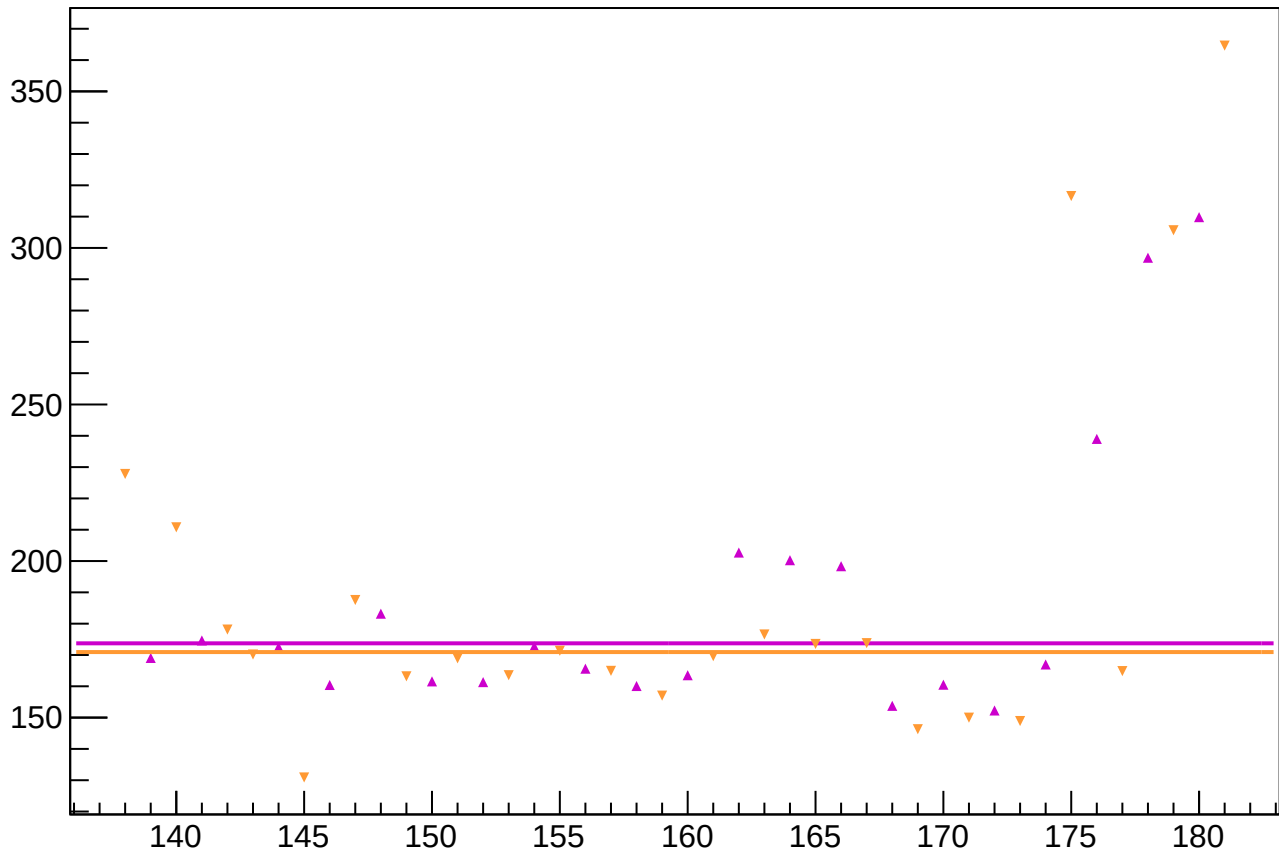
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 89.972 $\pm$ 43.875 χ^2 /NDF:26.1/20

Out: 59.413 $\pm$ 42.424 χ^2 /NDF:17.9/22

All: 74.179 $\pm$ 30.498 χ^2 /NDF: 44.3/43

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



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

Left Out: 170.930+/-0.030 χ^2/NDF :1462706.3/22

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

Left In: 173.722+/-0.031 χ^2/NDF :862806.9/20

Left: 172.279+/-0.022 χ^2/NDF : 2329696.1/43

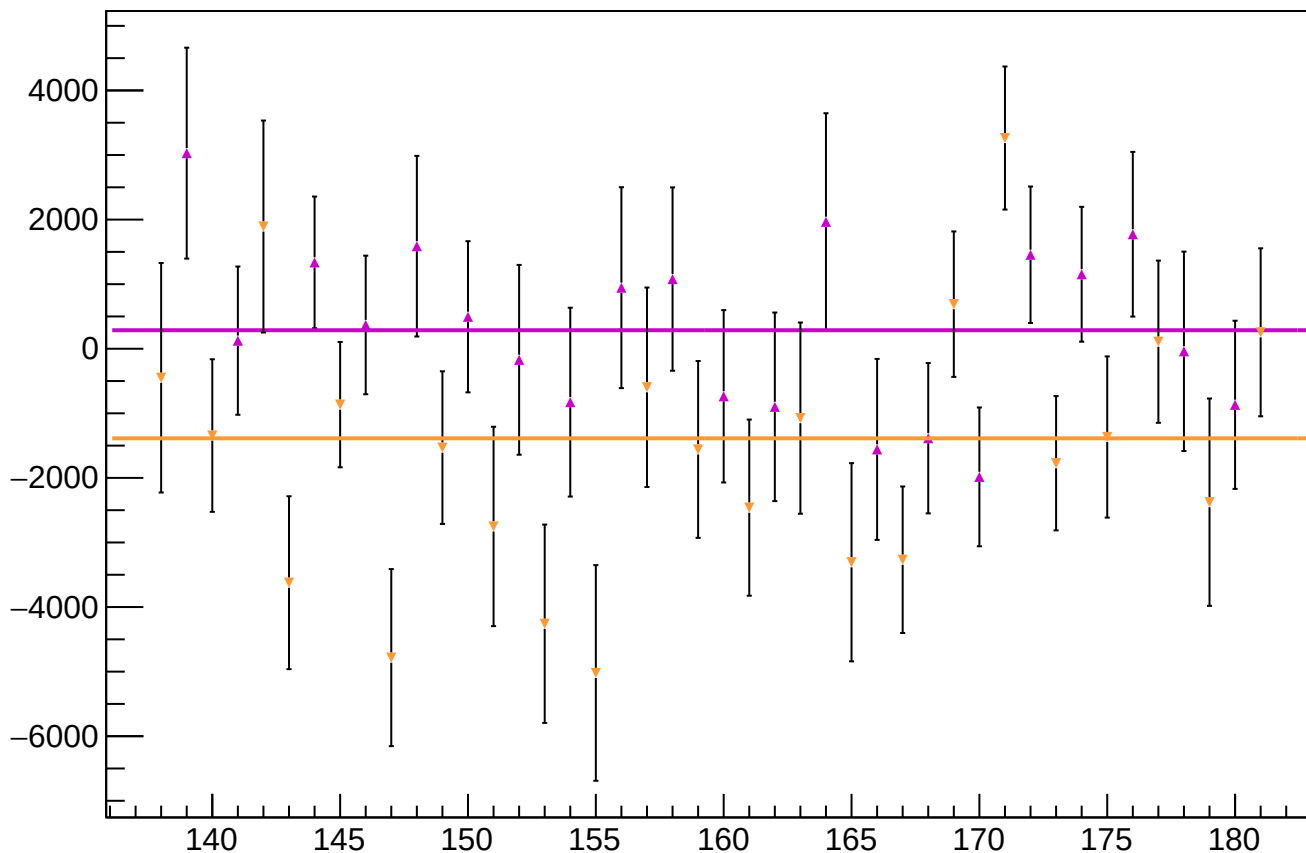
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 173.722+/-0.031 χ^2/NDF :862806.9/20

Out: 170.930+/-0.030 χ^2/NDF :1462706.3/22

All: 172.279+/-0.022 χ^2/NDF : 2329696.1/43

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: -1387.218 $\pm$ 273.123 χ^2 /NDF:52.3/22

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

Left In: 286.490 $\pm$ 277.563 χ^2 /NDF:20.6/20

Left: -563.856 $\pm$ 194.678 χ^2 /NDF: 91.4/43

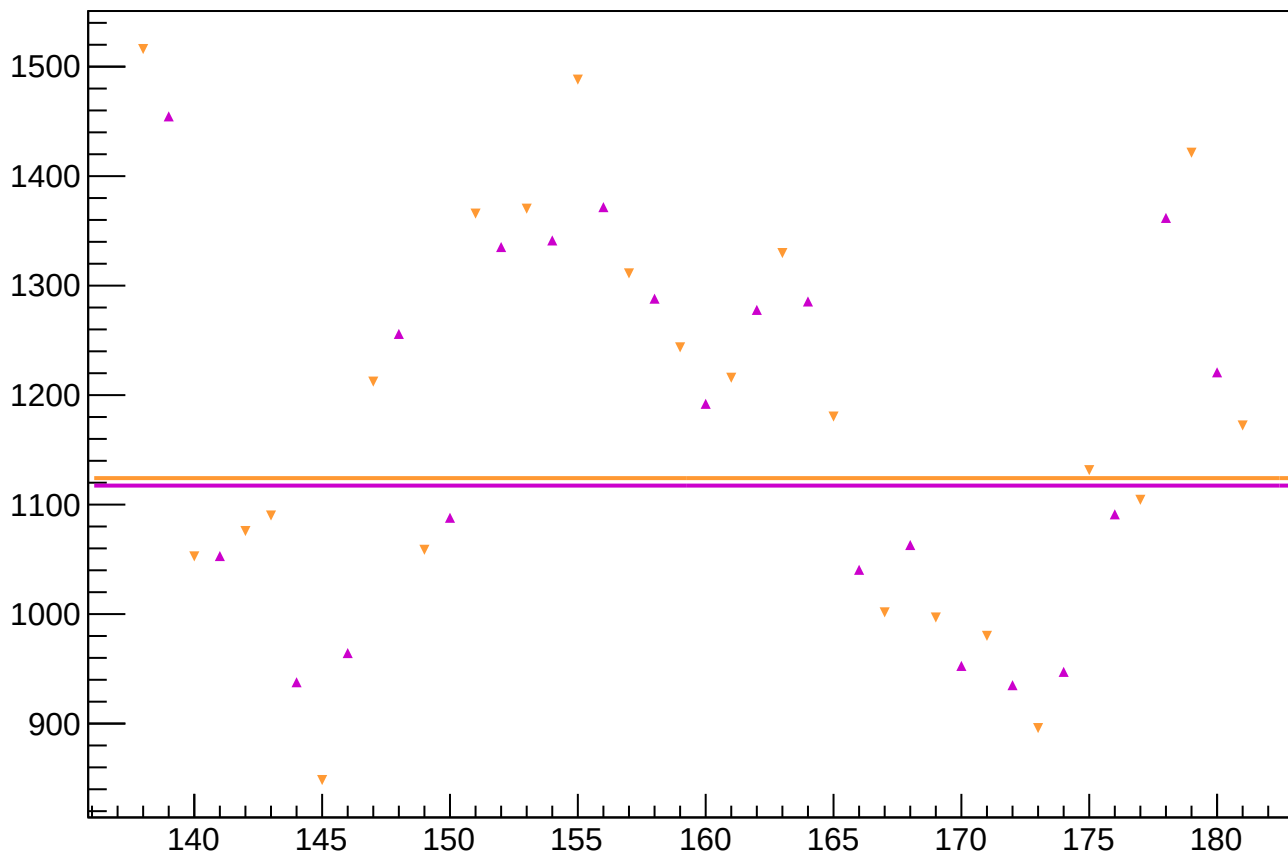
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 286.490 $\pm$ 277.563 χ^2 /NDF:20.6/20

Out: -1387.218 $\pm$ 273.123 χ^2 /NDF:52.3/22

All: -563.856 $\pm$ 194.678 χ^2 /NDF: 91.4/43

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1124.189+/-0.193 χ^2/NDF : 824600.4/22

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

Left In: 1117.363+/-0.196 χ^2/NDF : 672349.9/20

Left: 1120.831+/-0.138 χ^2/NDF : 1497564.9/43

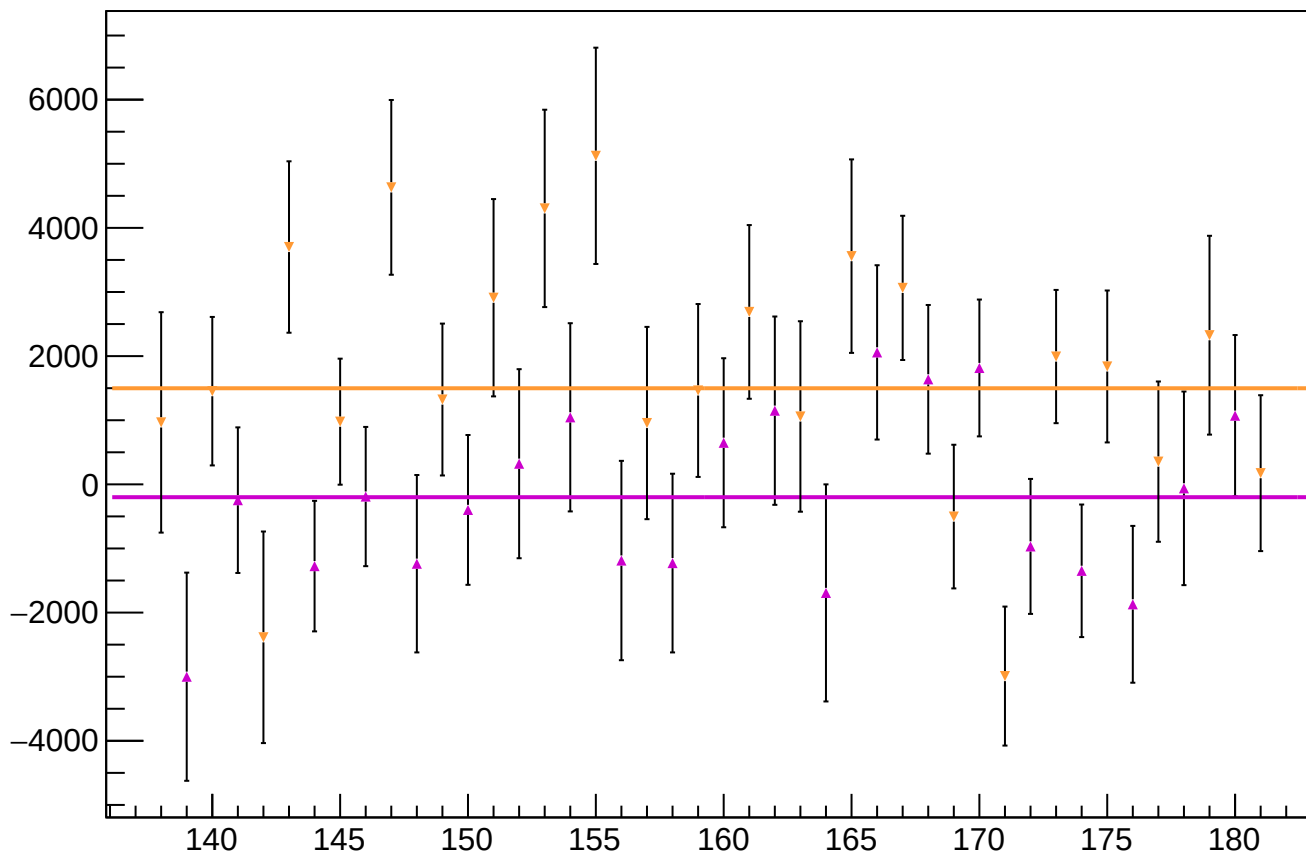
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1117.363+/-0.196 χ^2/NDF : 672349.9/20

Out: 1124.189+/-0.193 χ^2/NDF : 824600.4/22

All: 1120.831+/-0.138 χ^2/NDF : 1497564.9/43

asym_sam_48_avg_mean vs Slug, Sign Corrected



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

Left Out: 1498.697+/-269.822 χ^2/NDF :50.5/22

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

Left In: -200.255+/-275.187 χ^2/NDF :22.0/20

Left: 665.944+/-192.662 χ^2/NDF : 91.9/43

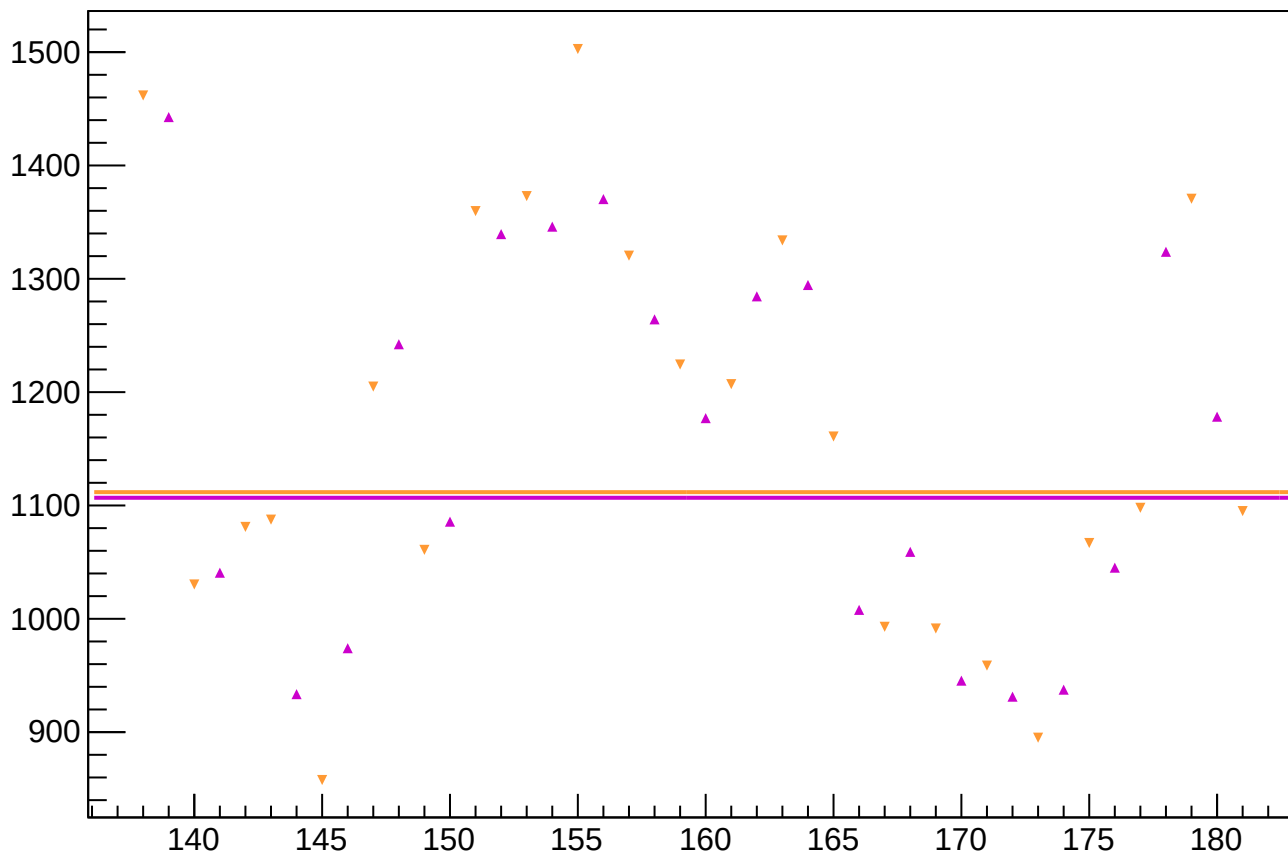
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -200.255+/-275.187 χ^2/NDF :22.0/20

Out: 1498.697+/-269.822 χ^2/NDF :50.5/22

All: 665.944+/-192.662 χ^2/NDF : 91.9/43

asym_sam_48_avg_rms vs Slug, Sign Corrected



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

Left Out: 1111.750+/-0.191 χ^2/NDF : 798684.5/22

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

Left In: 1106.801+/-0.195 χ^2/NDF : 667400.1/20

Left: 1109.324+/-0.136 χ^2/NDF : 1466414.6/43

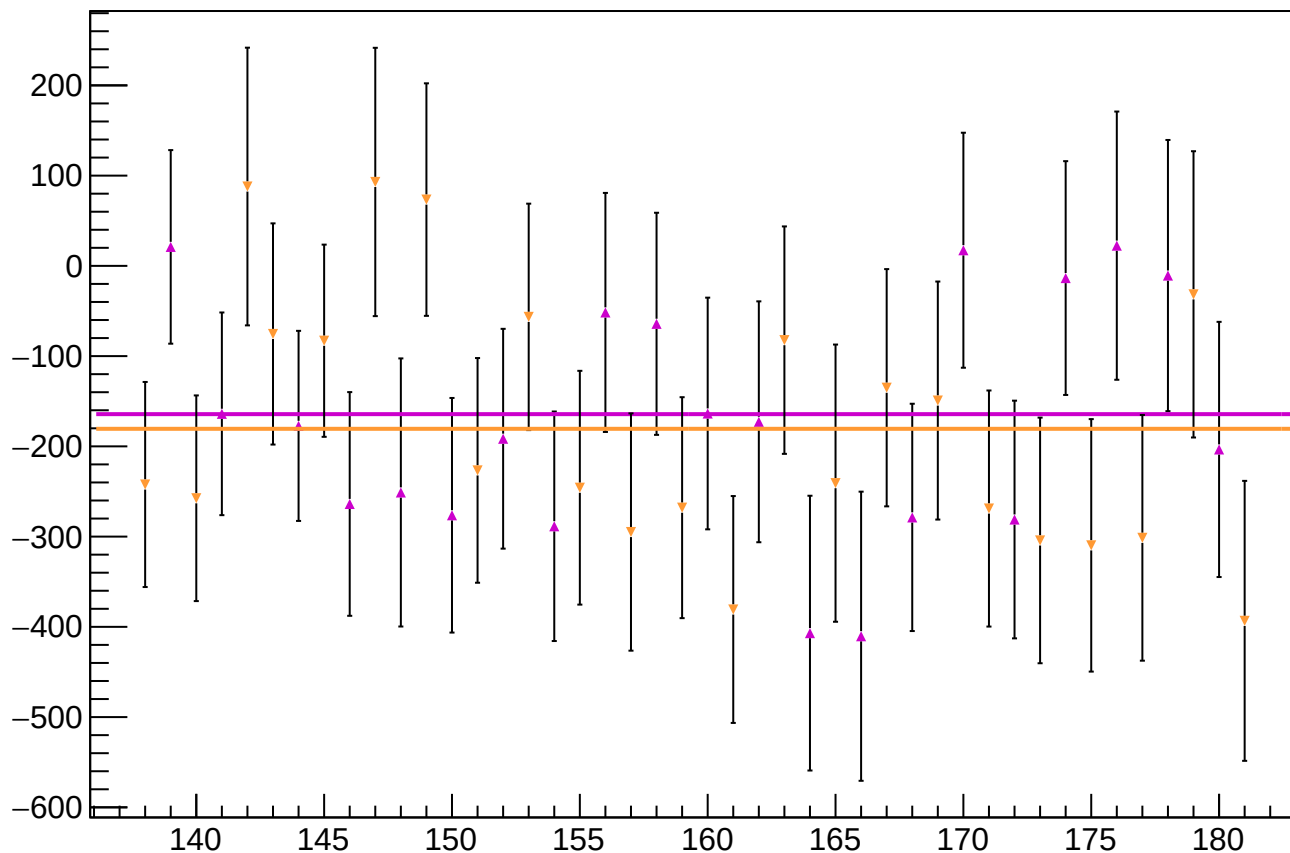
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1106.801+/-0.195 χ^2/NDF : 667400.1/20

Out: 1111.750+/-0.191 χ^2/NDF : 798684.5/22

All: 1109.324+/-0.136 χ^2/NDF : 1466414.6/43

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



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

Left Out: -180.552 $\pm$ 27.196 χ^2 /NDF:24.4/22

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

Left In: -164.303 $\pm$ 28.215 χ^2 /NDF:19.6/20

Left: -172.726 $\pm$ 19.581 χ^2 /NDF: 44.2/43

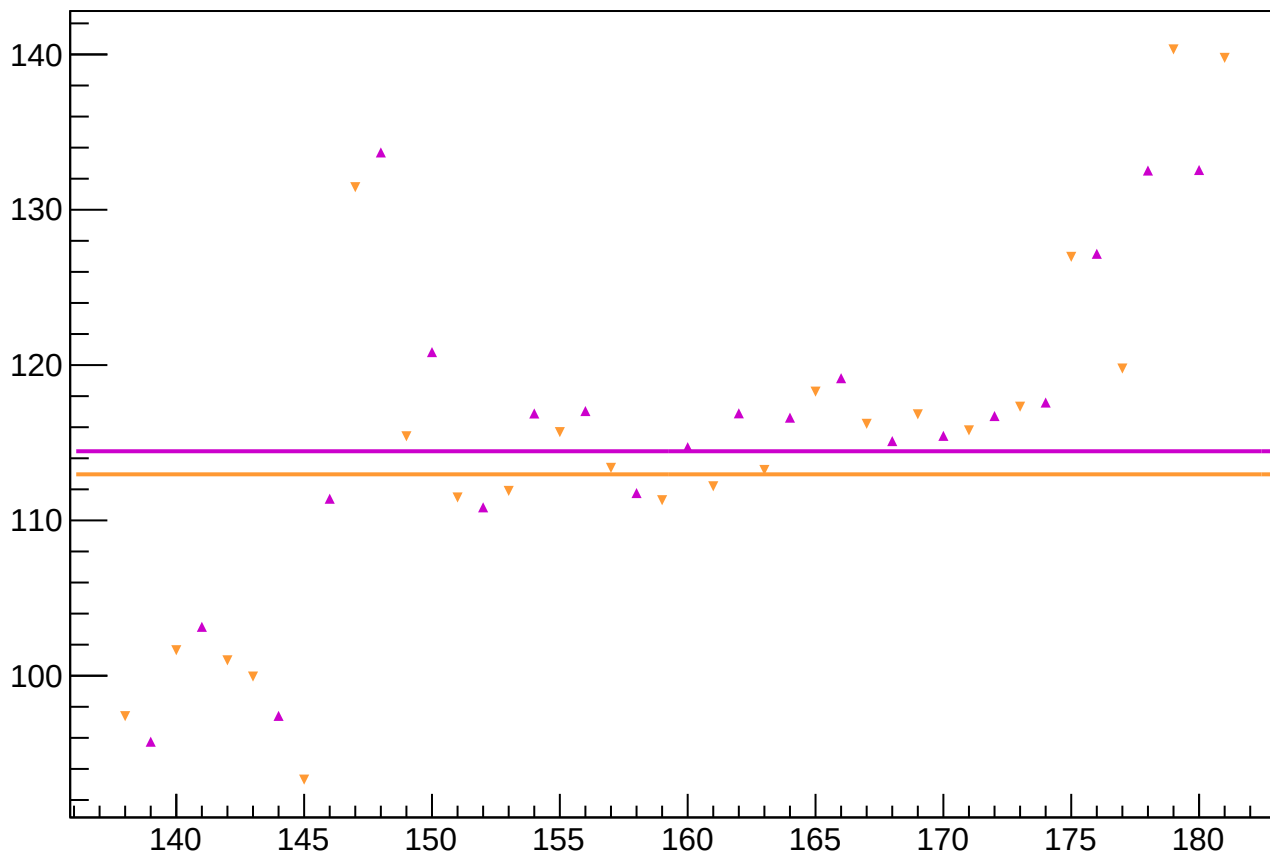
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -164.303 $\pm$ 28.215 χ^2 /NDF:19.6/20

Out: -180.552 $\pm$ 27.196 χ^2 /NDF:24.4/22

All: -172.726 $\pm$ 19.581 χ^2 /NDF: 44.2/43

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



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

Left Out: 112.967+/-0.019 χ^2/NDF :346198.5/22

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

Left In: 114.452+/-0.020 χ^2/NDF :258317.4/20

Left: 113.682+/-0.014 χ^2/NDF : 607389.2/43

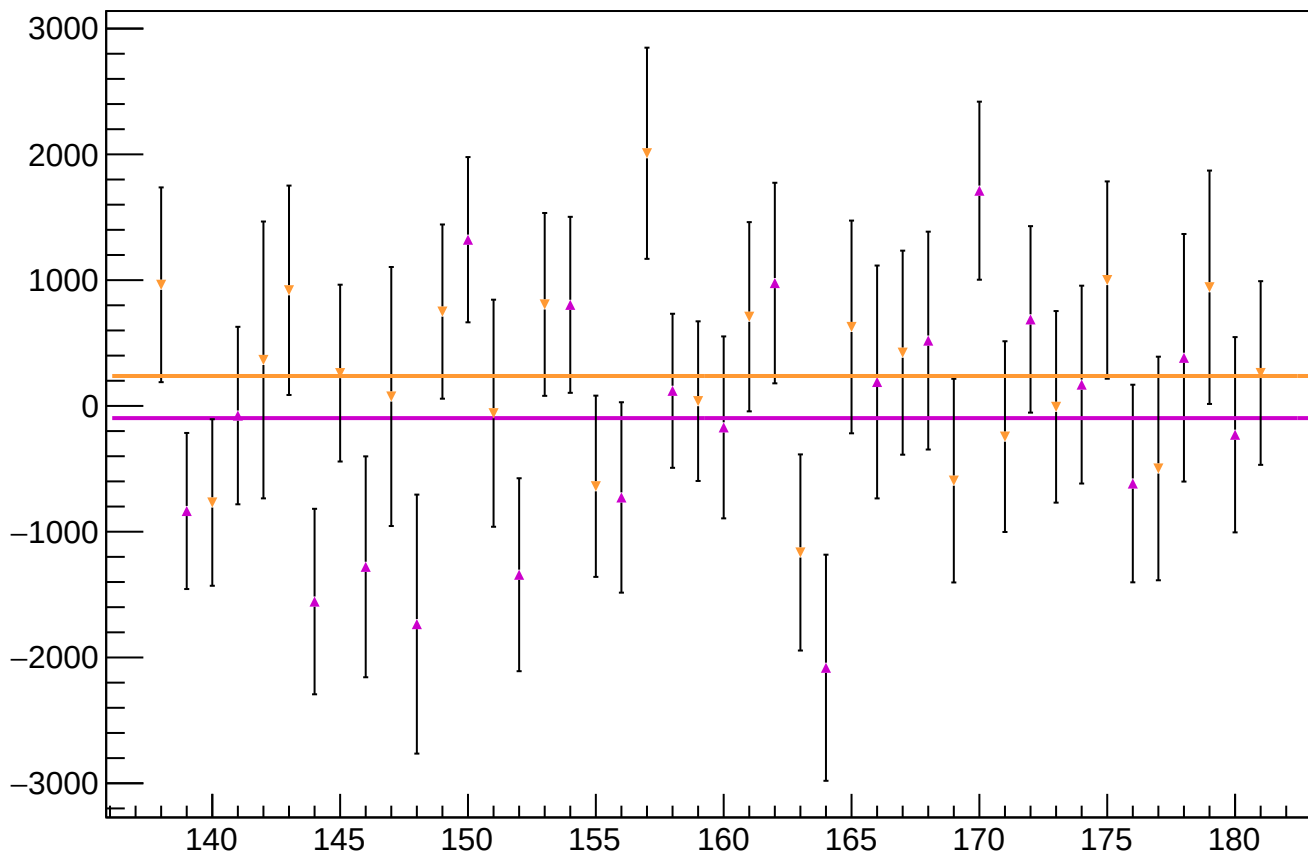
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 114.452+/-0.020 χ^2/NDF :258317.4/20

Out: 112.967+/-0.019 χ^2/NDF :346198.5/22

All: 113.682+/-0.014 χ^2/NDF : 607389.2/43

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 237.982+/-163.370 χ^2/NDF :18.9/22

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

Left In: -96.868+/-166.377 χ^2/NDF :35.2/20

Left: 73.610+/-116.569 χ^2/NDF : 56.1/43

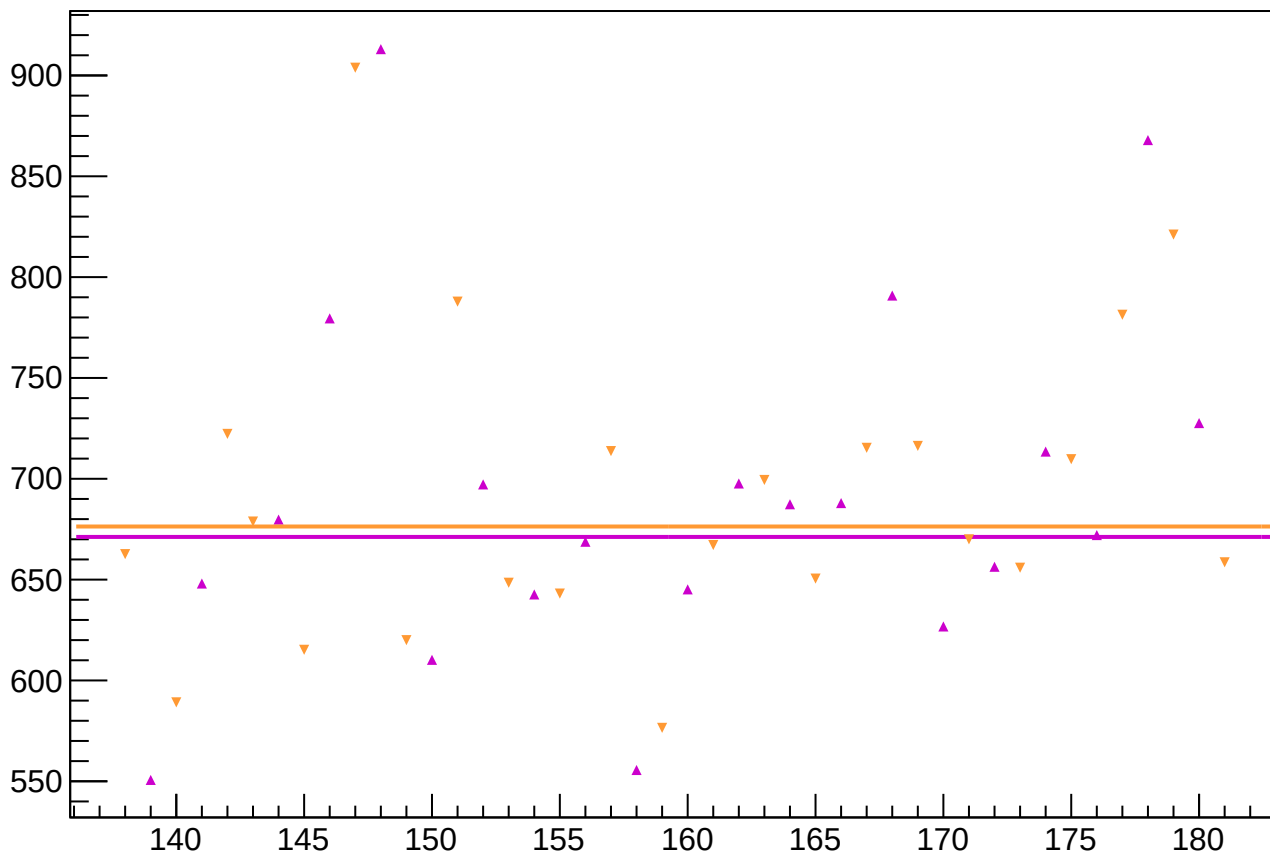
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -96.868+/-166.377 χ^2/NDF :35.2/20

Out: 237.982+/-163.370 χ^2/NDF :18.9/22

All: 73.610+/-116.569 χ^2/NDF : 56.1/43

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 676.334+/-0.116 χ^2/NDF :352433.1/22

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

Left In: 671.170+/-0.118 χ^2/NDF :462067.2/20

Left: 673.799+/-0.082 χ^2/NDF : 815481.2/43

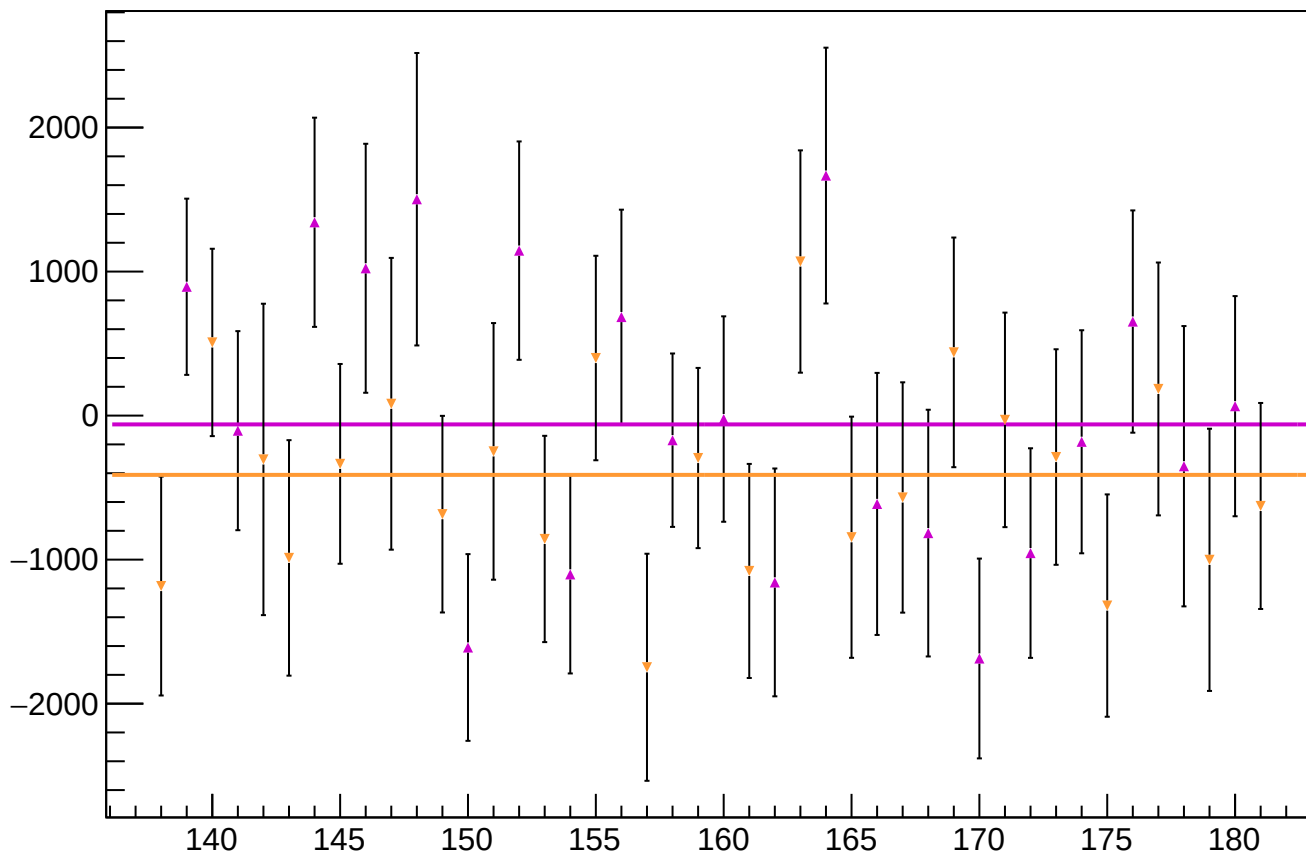
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 671.170+/-0.118 χ^2/NDF :462067.2/20

Out: 676.334+/-0.116 χ^2/NDF :352433.1/22

All: 673.799+/-0.082 χ^2/NDF : 815481.2/43

asym_sam_15_dd_mean vs Slug, Sign Corrected



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

Left Out: -411.587+/-160.573 χ^2/NDF :17.2/22

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

Left In: -61.138+/-163.849 χ^2/NDF :36.5/20

Left: -239.901+/-114.683 χ^2/NDF : 56.0/43

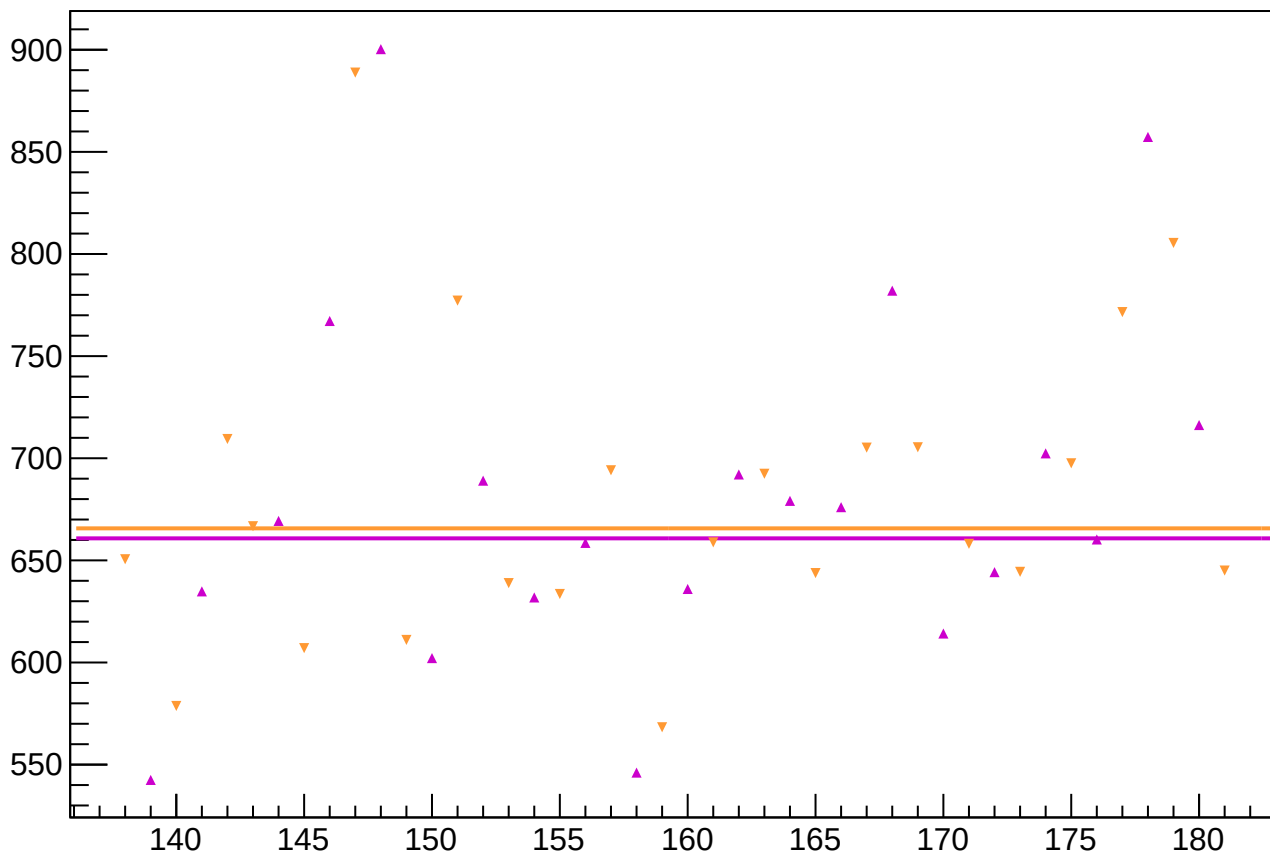
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -61.138+/-163.849 χ^2/NDF :36.5/20

Out: -411.587+/-160.573 χ^2/NDF :17.2/22

All: -239.901+/-114.683 χ^2/NDF : 56.0/43

asym_sam_15_dd_rms vs Slug, Sign Corrected



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

Left Out: 665.676+/-0.114 χ^2/NDF : 350191.1/22

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

Left In: 660.780+/-0.116 χ^2/NDF : 469748.3/20

Left: 663.277+/-0.081 χ^2/NDF : 820850.1/43

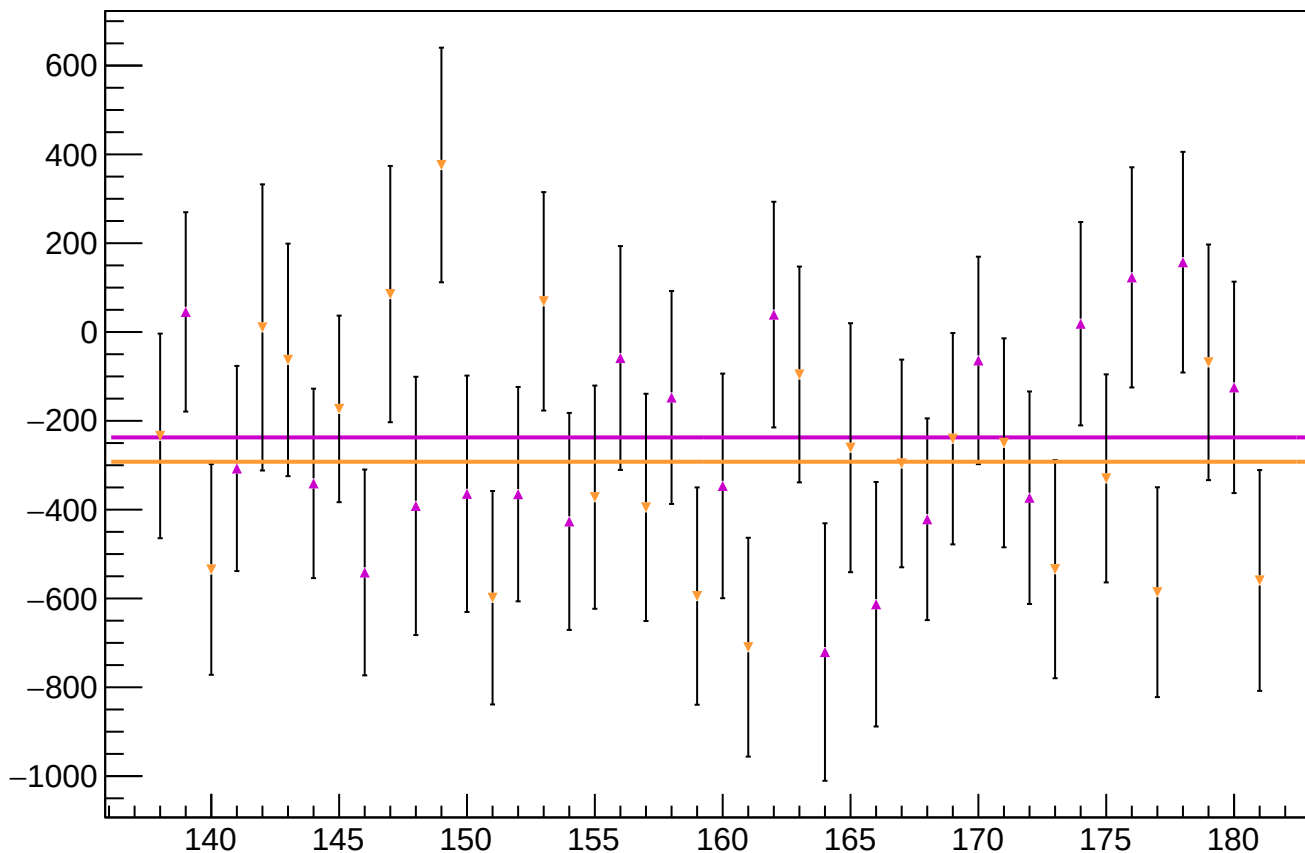
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 660.780+/-0.116 χ^2/NDF : 469748.3/20

Out: 665.676+/-0.114 χ^2/NDF : 350191.1/22

All: 663.277+/-0.081 χ^2/NDF : 820850.1/43

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -292.101+/-51.655 χ^2/NDF :24.8/22

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

Left In: -237.313+/-53.241 χ^2/NDF :19.3/20

Left: -265.535+/-37.074 χ^2/NDF : 44.7/43

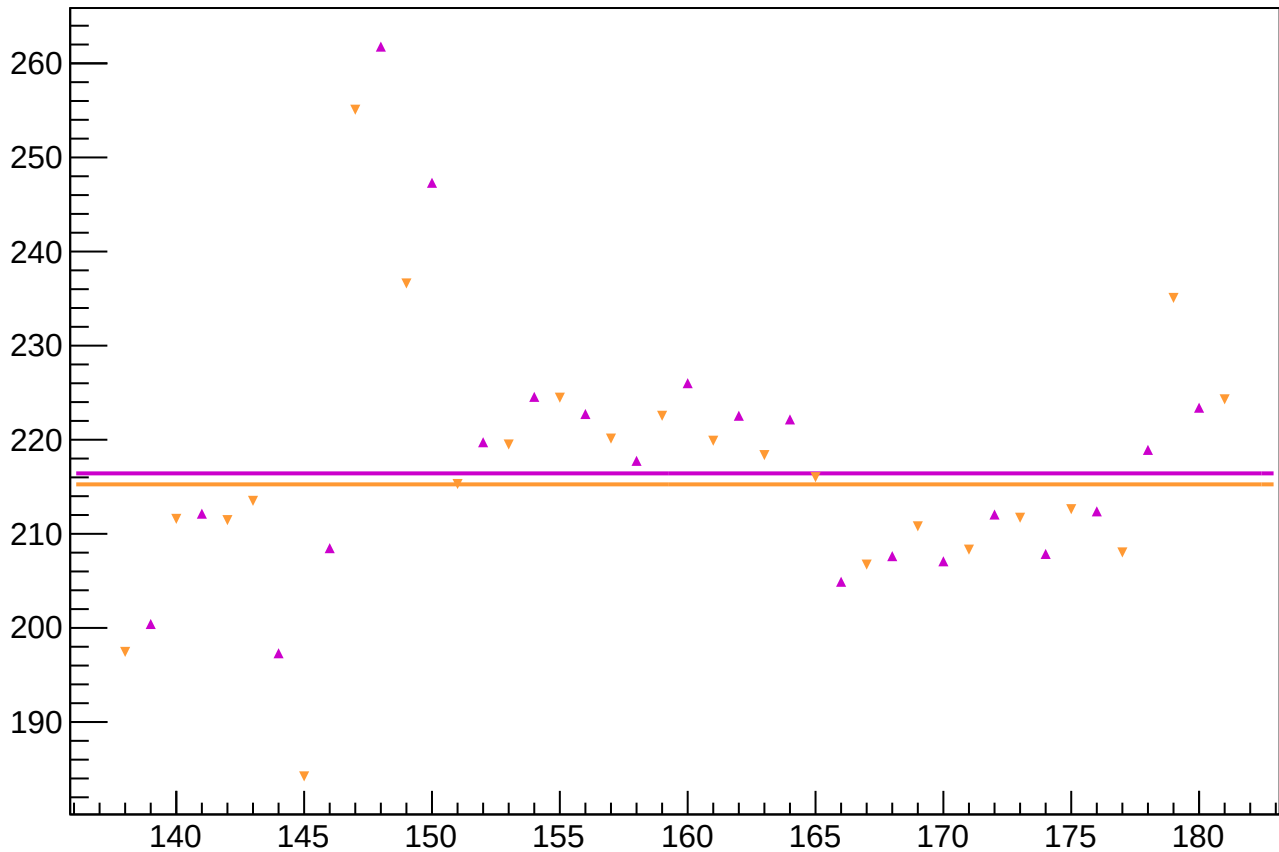
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -237.313+/-53.241 χ^2/NDF :19.3/20

Out: -292.101+/-51.655 χ^2/NDF :24.8/22

All: -265.535+/-37.074 χ^2/NDF : 44.7/43

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 215.256+/-0.037 χ^2/NDF :135881.3/22

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

Left In: 216.424+/-0.038 χ^2/NDF :129197.6/20

Left: 215.823+/-0.026 χ^2/NDF : 265574.7/43

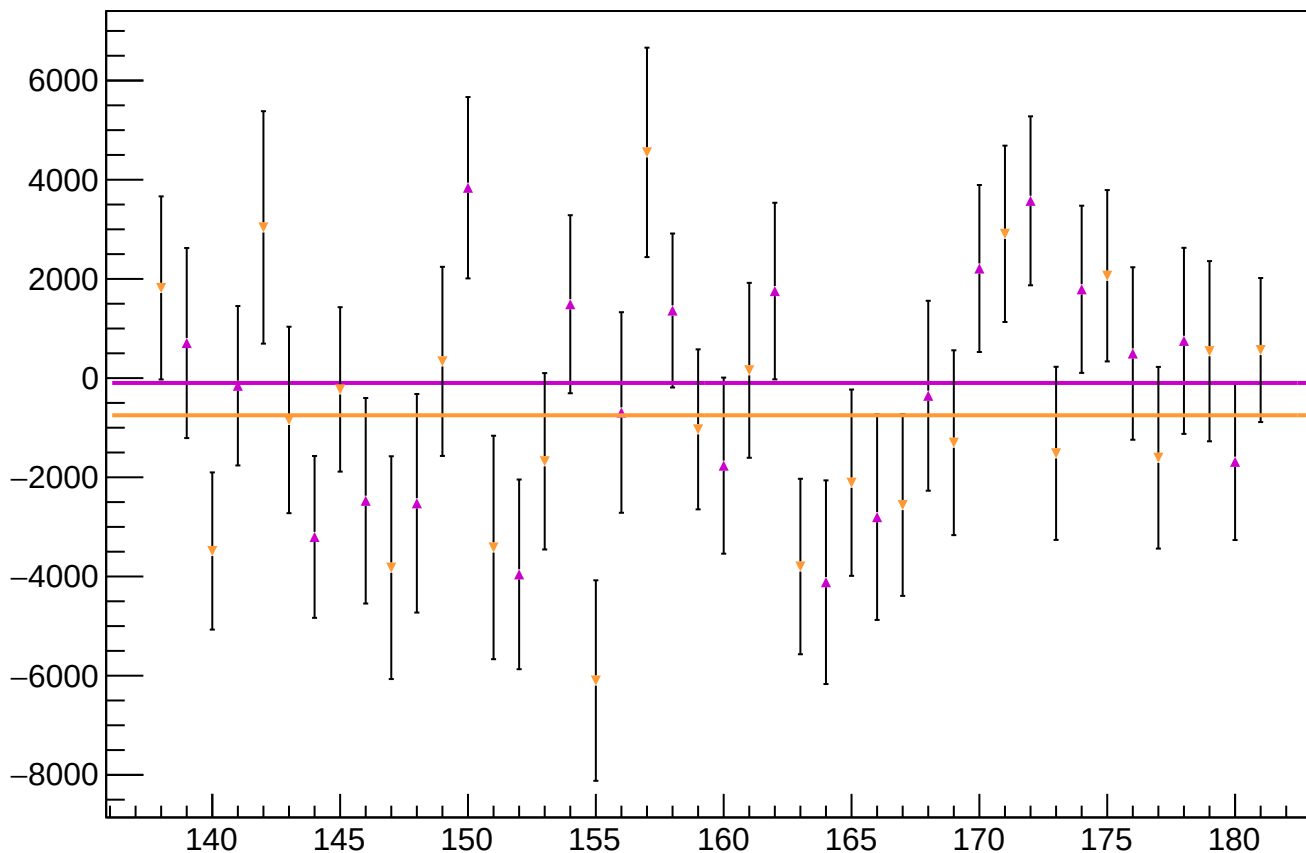
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 216.424+/-0.038 χ^2/NDF :129197.6/20

Out: 215.256+/-0.037 χ^2/NDF :135881.3/22

All: 215.823+/-0.026 χ^2/NDF : 265574.7/43

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -749.284 ± 379.980 $\chi^2/\text{NDF}: 38.3/22$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -97.646 ± 393.505 $\chi^2/\text{NDF}: 33.4/20$

Left: -434.856 ± 273.343 $\chi^2/\text{NDF}: 73.1/43$

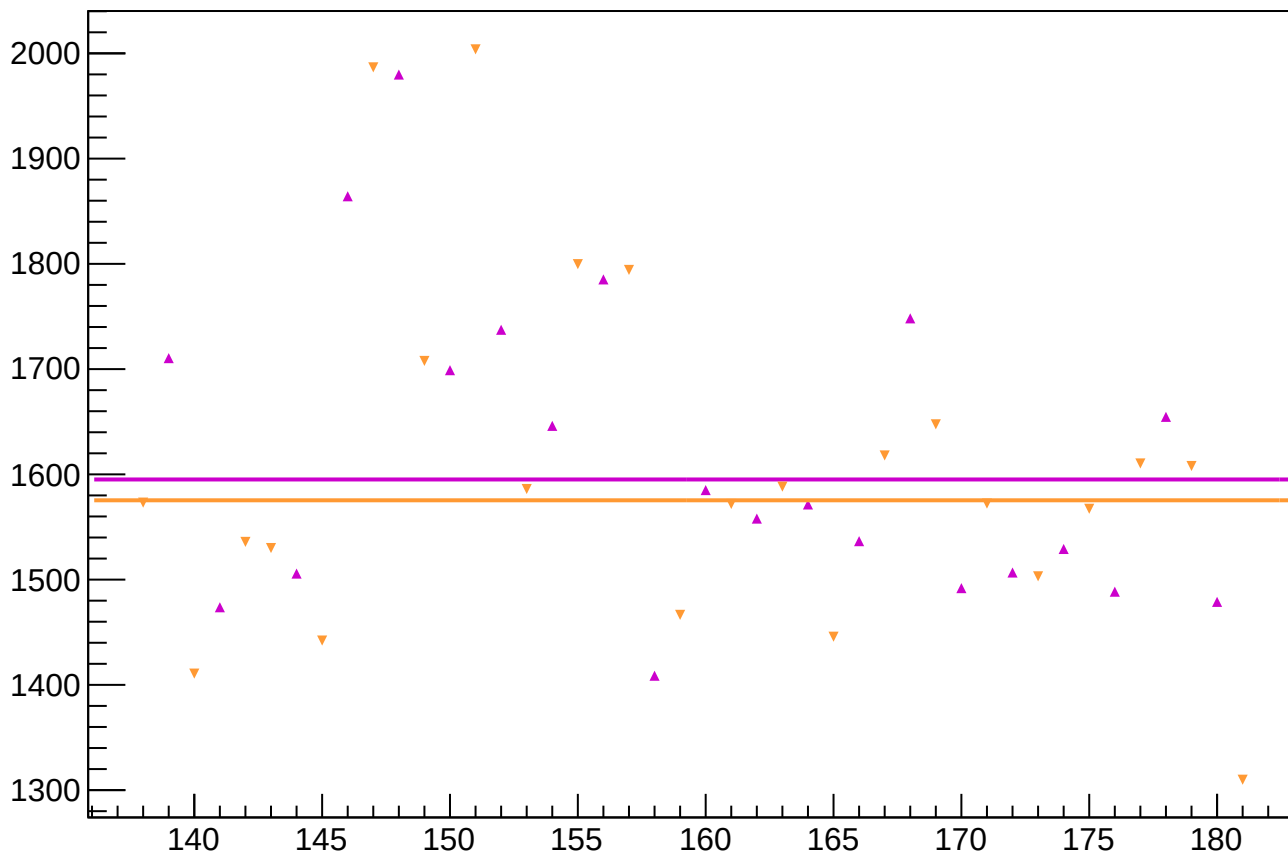
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -97.646 ± 393.505 $\chi^2/\text{NDF}: 33.4/20$

Out: -749.284 ± 379.980 $\chi^2/\text{NDF}: 38.3/22$

All: -434.856 ± 273.343 $\chi^2/\text{NDF}: 73.1/43$

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1575.361+/-0.269 χ^2/NDF :326001.1/22

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

Left In: 1595.146+/-0.278 χ^2/NDF :236959.1/20

Left: 1584.908+/-0.193 χ^2/NDF : 565576.5/43

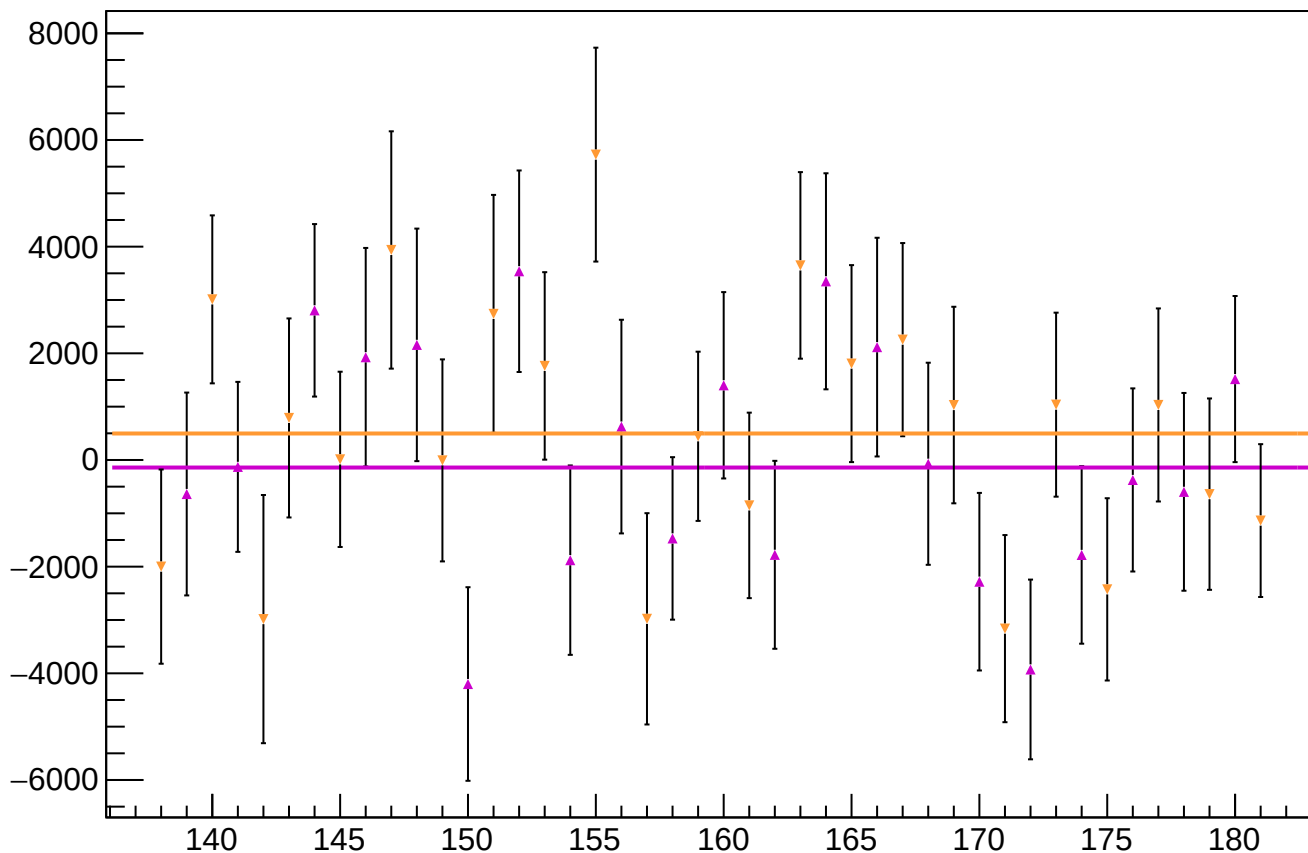
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1595.146+/-0.278 χ^2/NDF :236959.1/20

Out: 1575.361+/-0.269 χ^2/NDF :326001.1/22

All: 1584.908+/-0.193 χ^2/NDF : 565576.5/43

asym_sam_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 496.800+/-375.031 χ^2/NDF :35.2/22

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

Left In: -141.586+/-388.991 χ^2/NDF :30.9/20

Left: 189.267+/-269.987 χ^2/NDF : 67.5/43

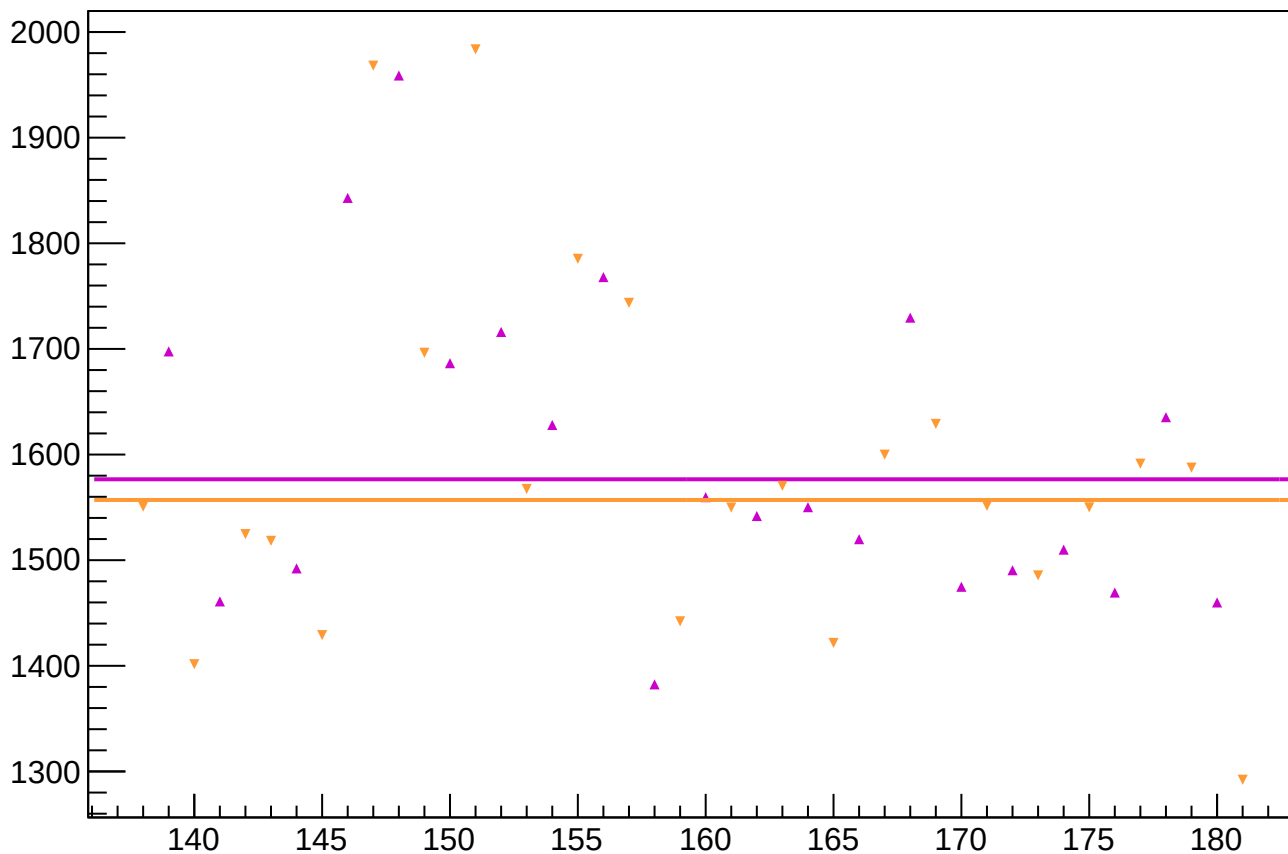
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -141.586+/-388.991 χ^2/NDF :30.9/20

Out: 496.800+/-375.031 χ^2/NDF :35.2/22

All: 189.267+/-269.987 χ^2/NDF : 67.5/43

asym_sam_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 1557.007+/-0.265 χ^2/NDF :327568.2/22

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

Left In: 1576.581+/-0.275 χ^2/NDF :242844.9/20

Left: 1566.437+/-0.191 χ^2/NDF : 573037.7/43

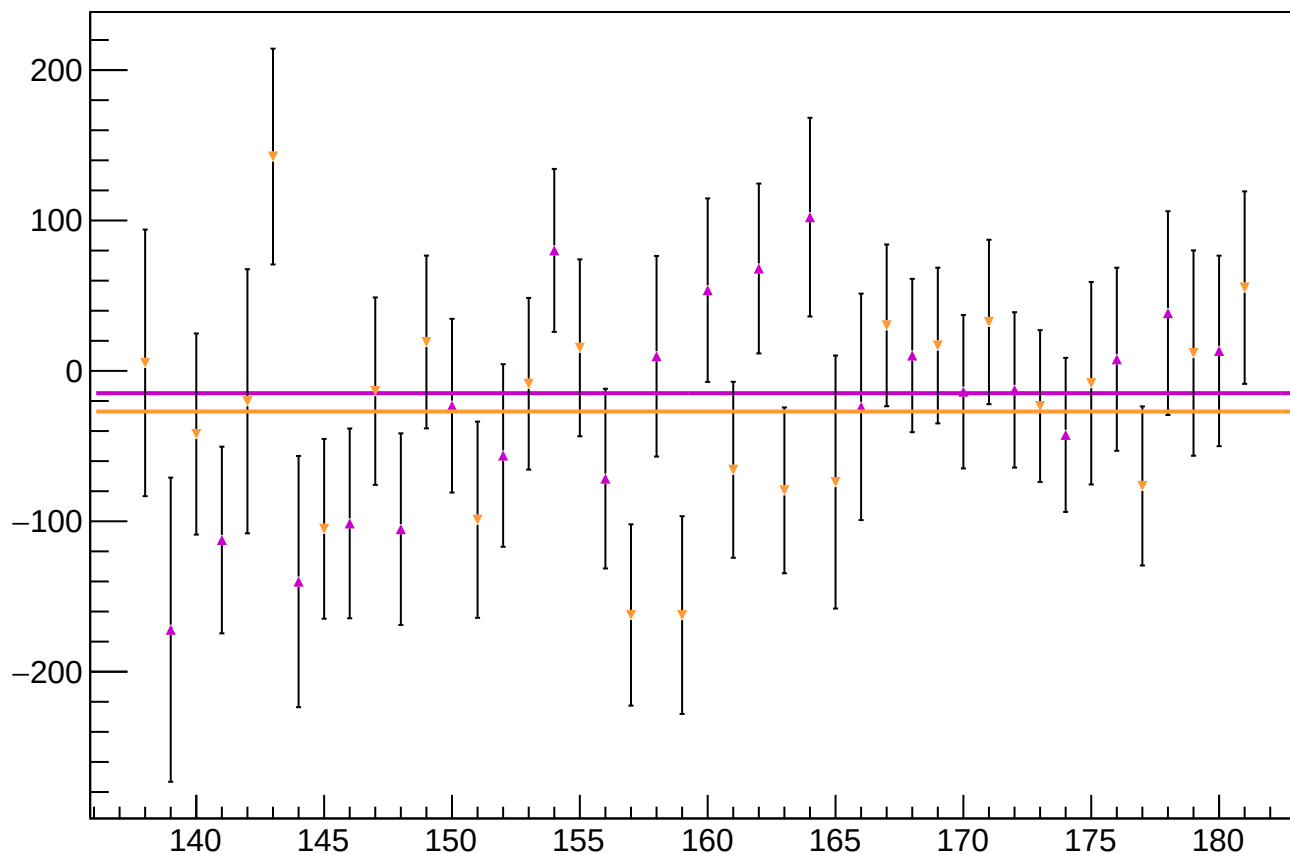
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1576.581+/-0.275 χ^2/NDF :242844.9/20

Out: 1557.007+/-0.265 χ^2/NDF :327568.2/22

All: 1566.437+/-0.191 χ^2/NDF : 573037.7/43

dit_asym_sam_37_dd_mean vs Slug, Sign Corrected



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

Left Out: -27.013+/-12.805 χ^2/NDF :26.9/22

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

Left In: -14.805+/-13.285 χ^2/NDF :23.7/20

Left: -21.134+/-9.219 χ^2/NDF : 51.1/43

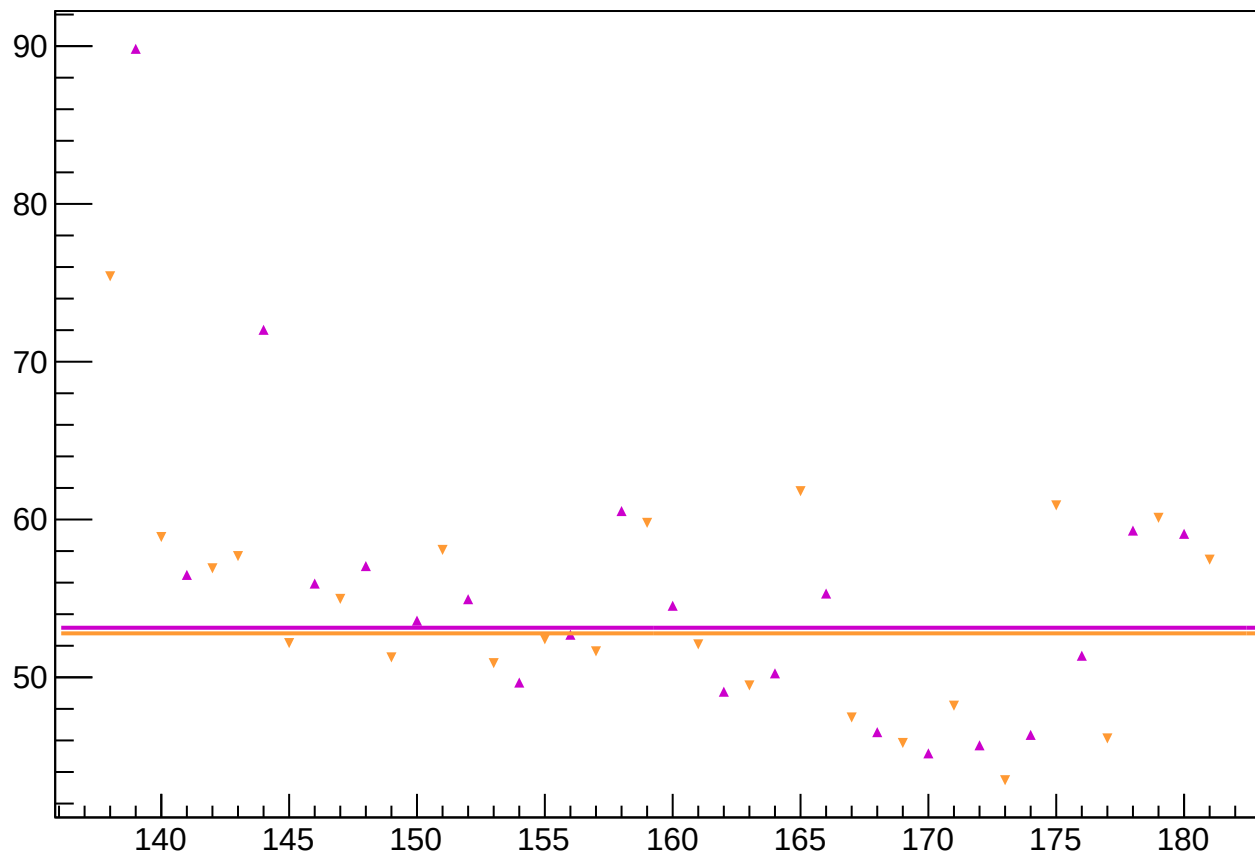
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -14.805+/-13.285 χ^2/NDF :23.7/20

Out: -27.013+/-12.805 χ^2/NDF :26.9/22

All: -21.134+/-9.219 χ^2/NDF : 51.1/43

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



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

Left Out: 52.785+/-0.009 χ^2/NDF : 466161.2/22

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

Left In: 53.142+/-0.009 χ^2/NDF : 629521.4/20

Left: 52.957+/-0.007 χ^2/NDF : 1096427.9/43

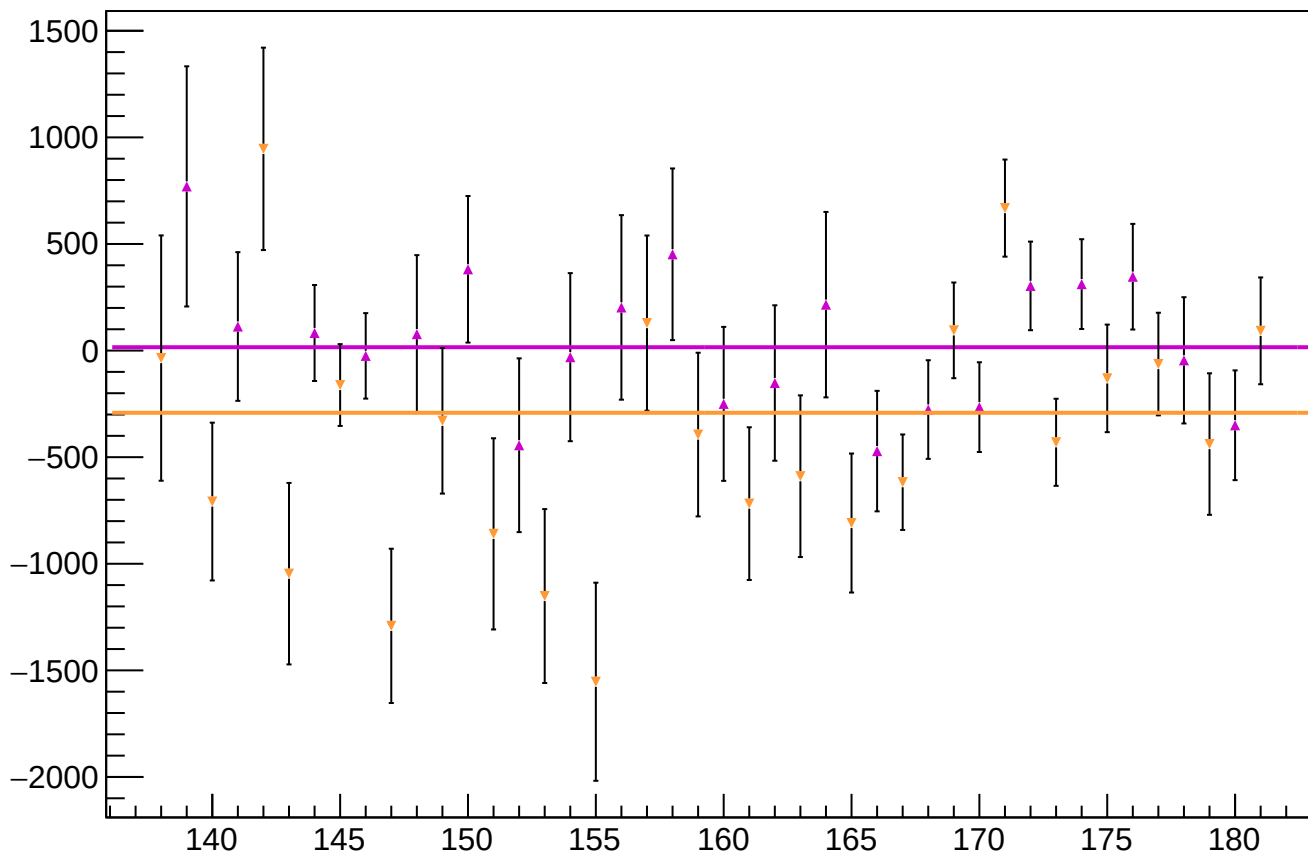
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 53.142+/-0.009 χ^2/NDF : 629521.4/20

Out: 52.785+/-0.009 χ^2/NDF : 466161.2/22

All: 52.957+/-0.007 χ^2/NDF : 1096427.9/43

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -291.779+/-62.357 χ^2/NDF :65.8/22

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

Left In: 15.713+/-62.201 χ^2/NDF :20.9/20

Left: -137.647+/-44.038 χ^2/NDF : 98.8/43

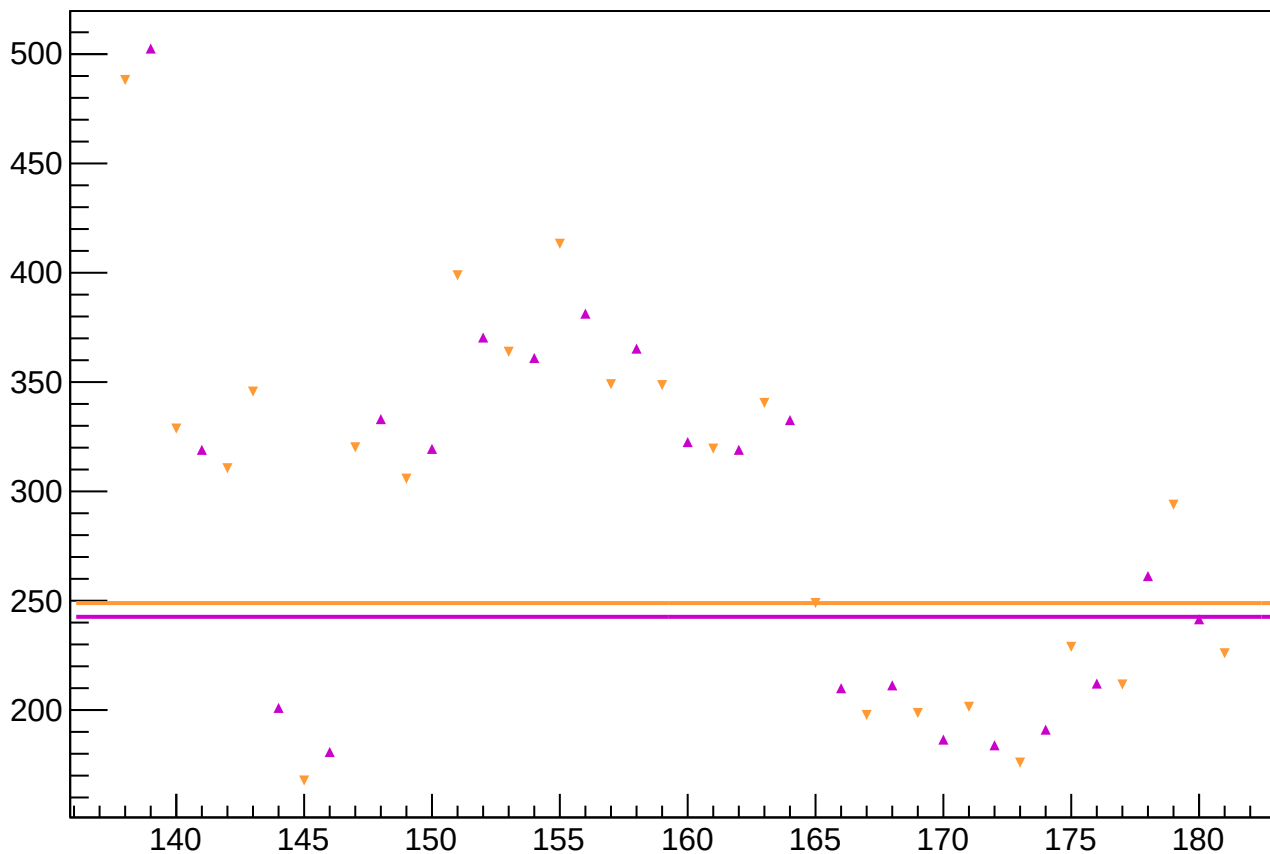
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 15.713+/-62.201 χ^2/NDF :20.9/20

Out: -291.779+/-62.357 χ^2/NDF :65.8/22

All: -137.647+/-44.038 χ^2/NDF : 98.8/43

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 248.914+/-0.044 χ^2/NDF :2808384.0/22

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

Left In: 242.635+/-0.044 χ^2/NDF :2563172.2/20

Left: 245.767+/-0.031 χ^2/NDF : 5381721.4/43

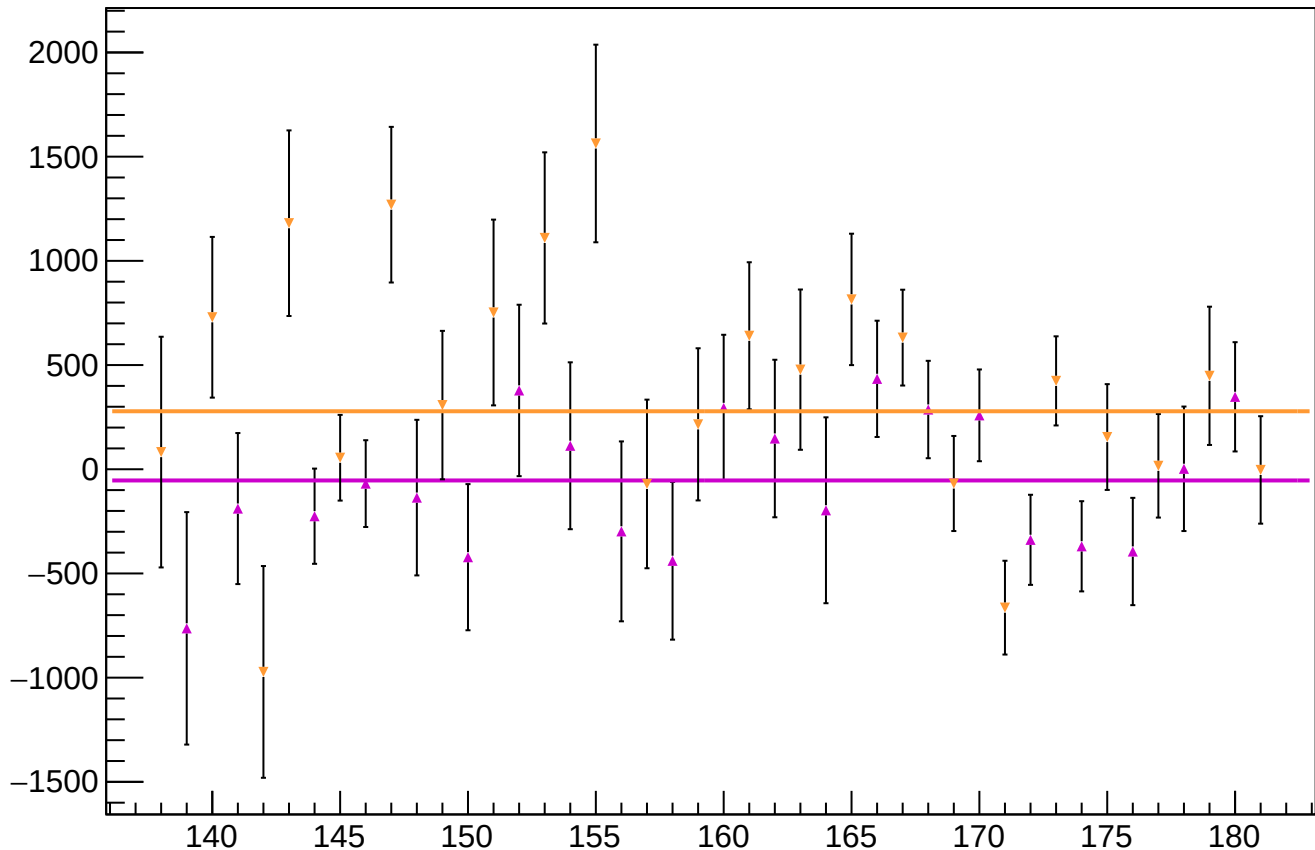
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 242.635+/-0.044 χ^2/NDF :2563172.2/20

Out: 248.914+/-0.044 χ^2/NDF :2808384.0/22

All: 245.767+/-0.031 χ^2/NDF : 5381721.4/43

asym_sam_37_dd_mean vs Slug, Sign Corrected



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

Left Out: 278.309+/-63.617 χ^2/NDF :62.9/22

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

Left In: -53.752+/-63.448 χ^2/NDF :22.7/20

Left: 111.836+/-44.924 χ^2/NDF : 99.3/43

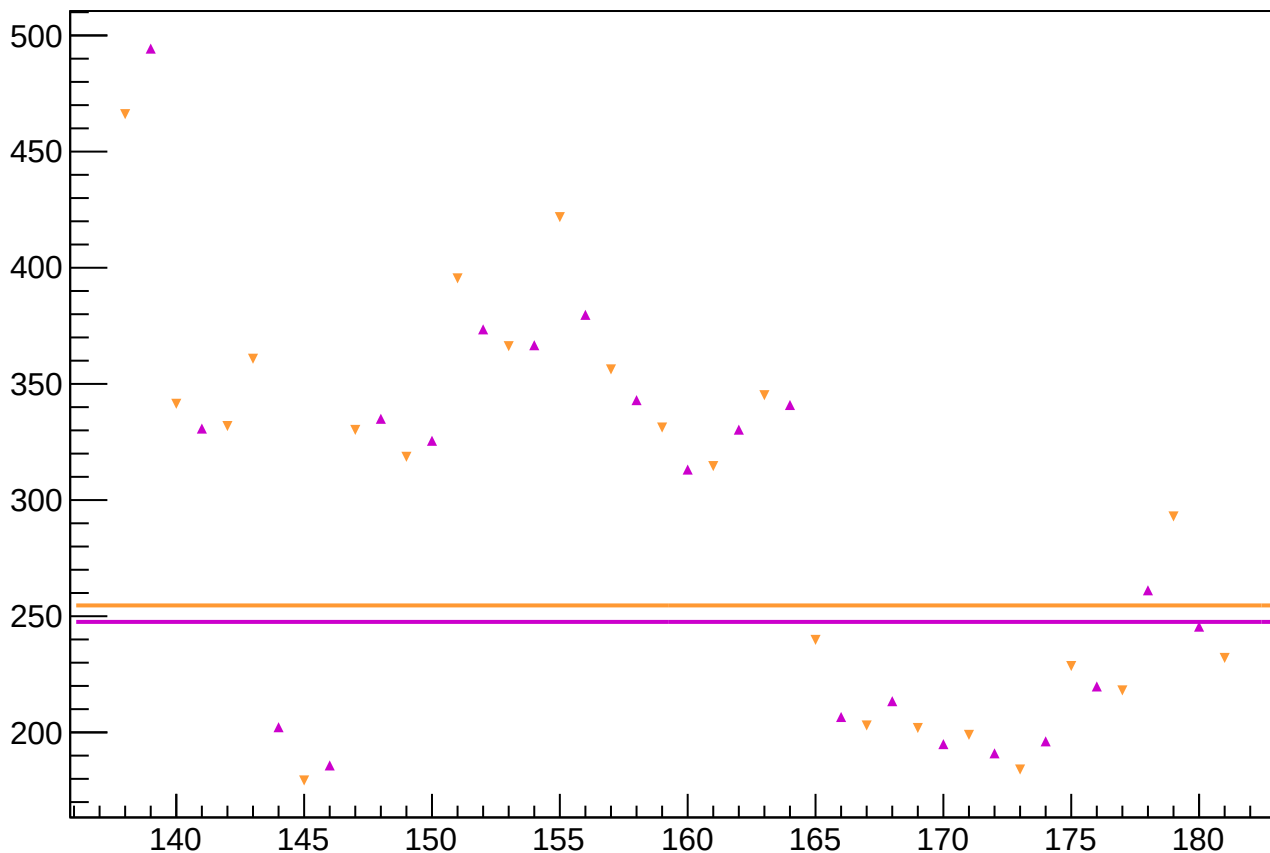
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -53.752+/-63.448 χ^2/NDF :22.7/20

Out: 278.309+/-63.617 χ^2/NDF :62.9/22

All: 111.836+/-44.924 χ^2/NDF : 99.3/43

asym_sam_37_dd_rms vs Slug, Sign Corrected



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

Left Out: 254.648+/-0.045 χ^2/NDF :2606062.7/22

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

Left In: 247.559+/-0.045 χ^2/NDF :2370452.9/20

Left: 251.094+/-0.032 χ^2/NDF : 4988966.5/43

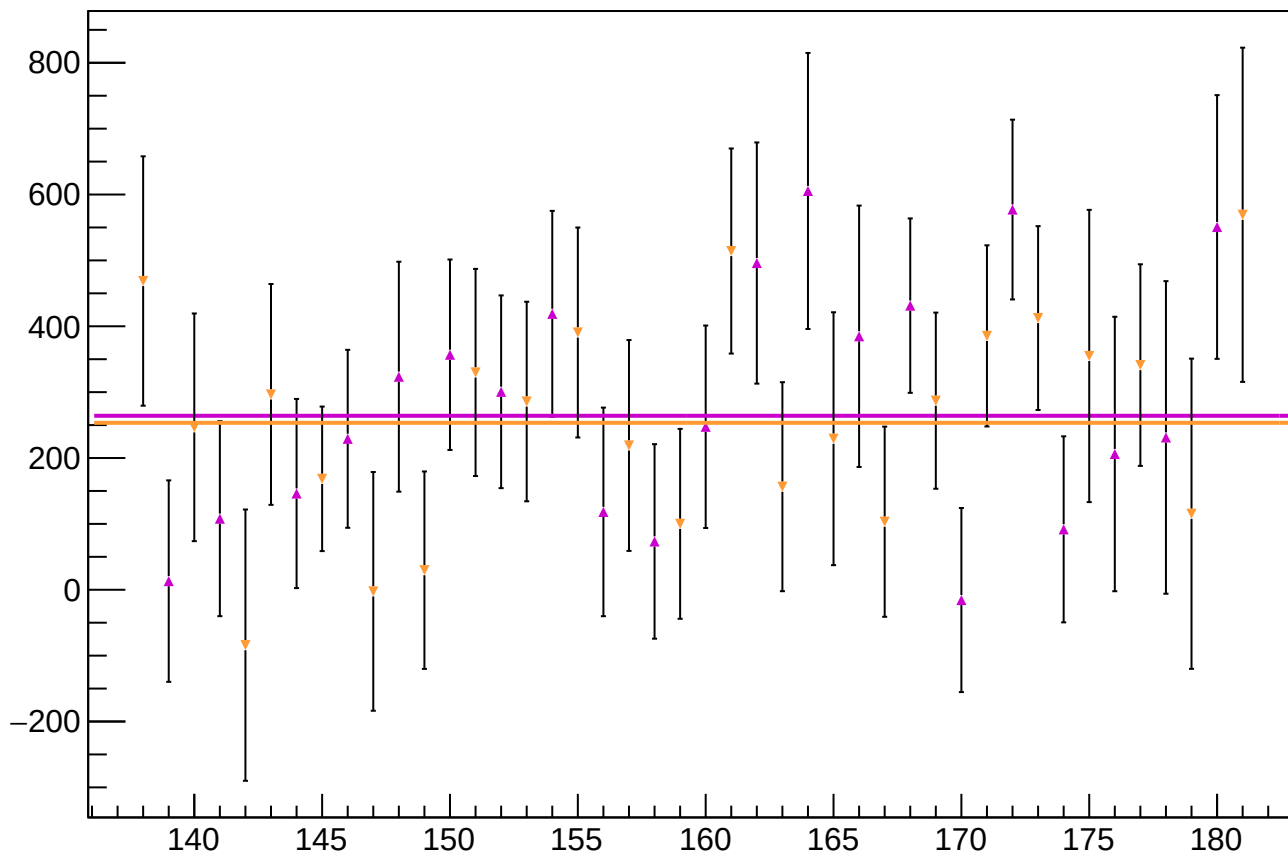
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 247.559+/-0.045 χ^2/NDF :2370452.9/20

Out: 254.648+/-0.045 χ^2/NDF :2606062.7/22

All: 251.094+/-0.032 χ^2/NDF : 4988966.5/43

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



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

Left Out: 253.452+/-33.295 χ^2/NDF :20.1/22

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

Left In: 264.143+/-34.420 χ^2/NDF :27.8/20

Left: 258.620+/-23.931 χ^2/NDF : 47.9/43

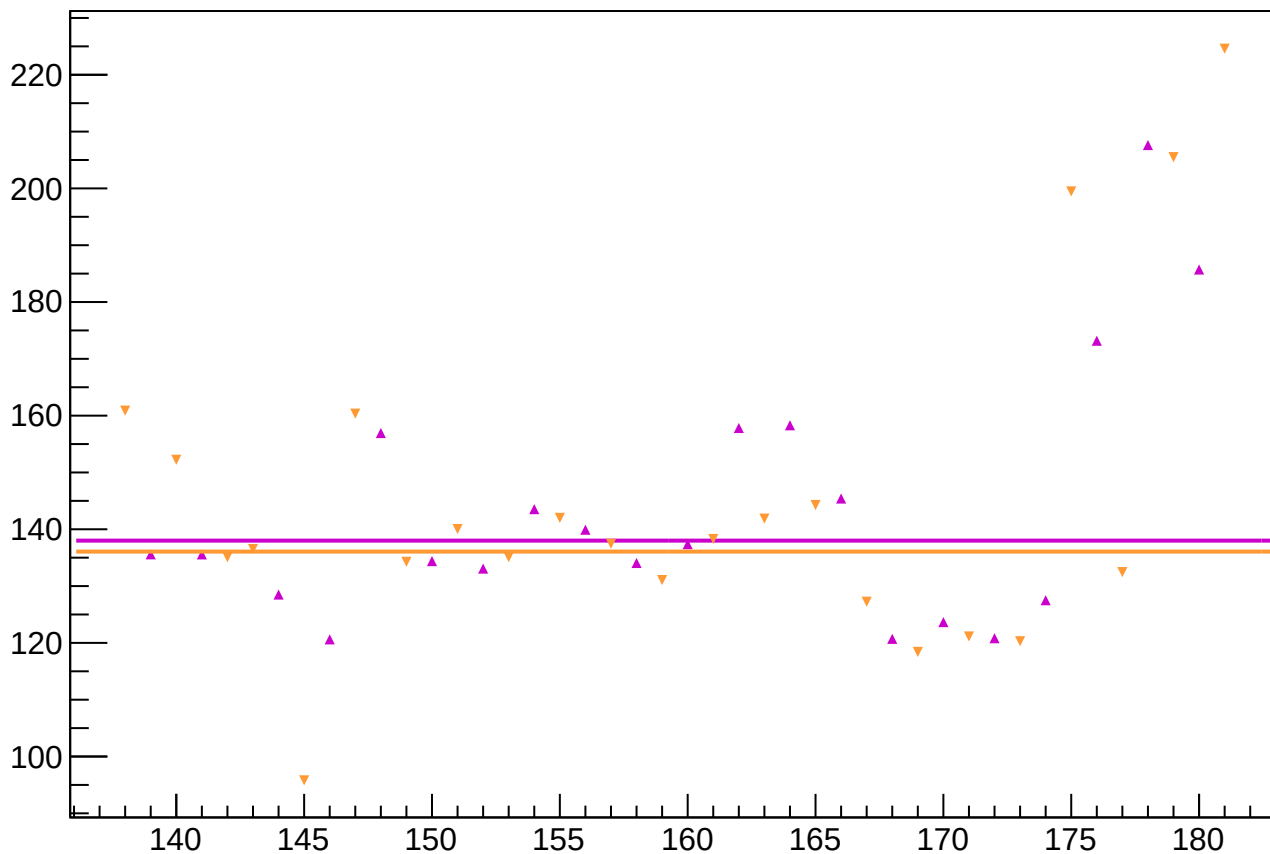
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 264.143+/-34.420 χ^2/NDF :27.8/20

Out: 253.452+/-33.295 χ^2/NDF :20.1/22

All: 258.620+/-23.931 χ^2/NDF : 47.9/43

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 136.072+/-0.024 χ^2/NDF :1044298.2/22

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

Left In: 138.003+/-0.024 χ^2/NDF :560050.5/20

Left: 137.005+/-0.017 χ^2/NDF : 1607599.7/43

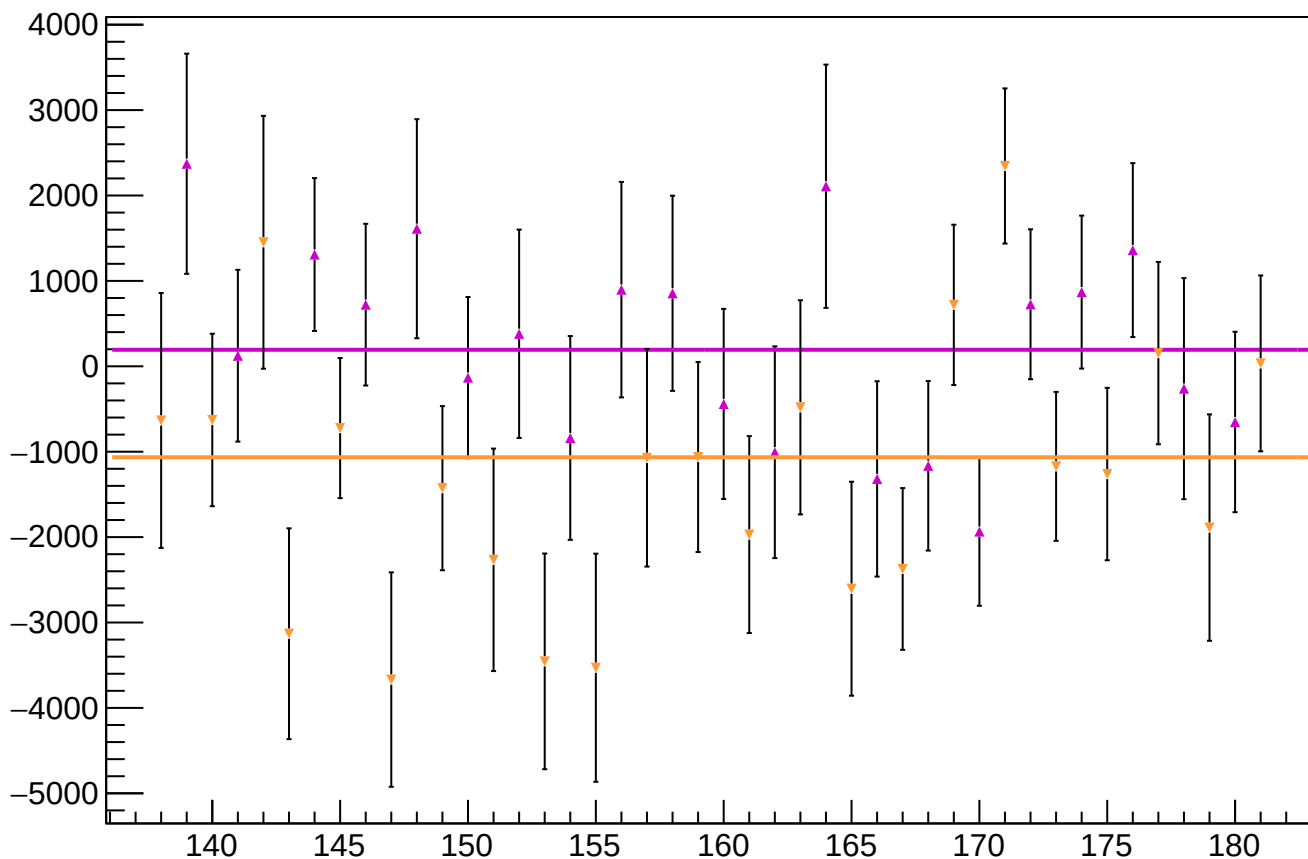
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 138.003+/-0.024 χ^2/NDF :560050.5/20

Out: 136.072+/-0.024 χ^2/NDF :1044298.2/22

All: 137.005+/-0.017 χ^2/NDF : 1607599.7/43

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -1065.074+/-228.694 χ^2/NDF :43.3/22

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

Left In: 193.533+/-232.444 χ^2/NDF :23.2/20

Left: -446.006+/-163.021 χ^2/NDF : 81.3/43

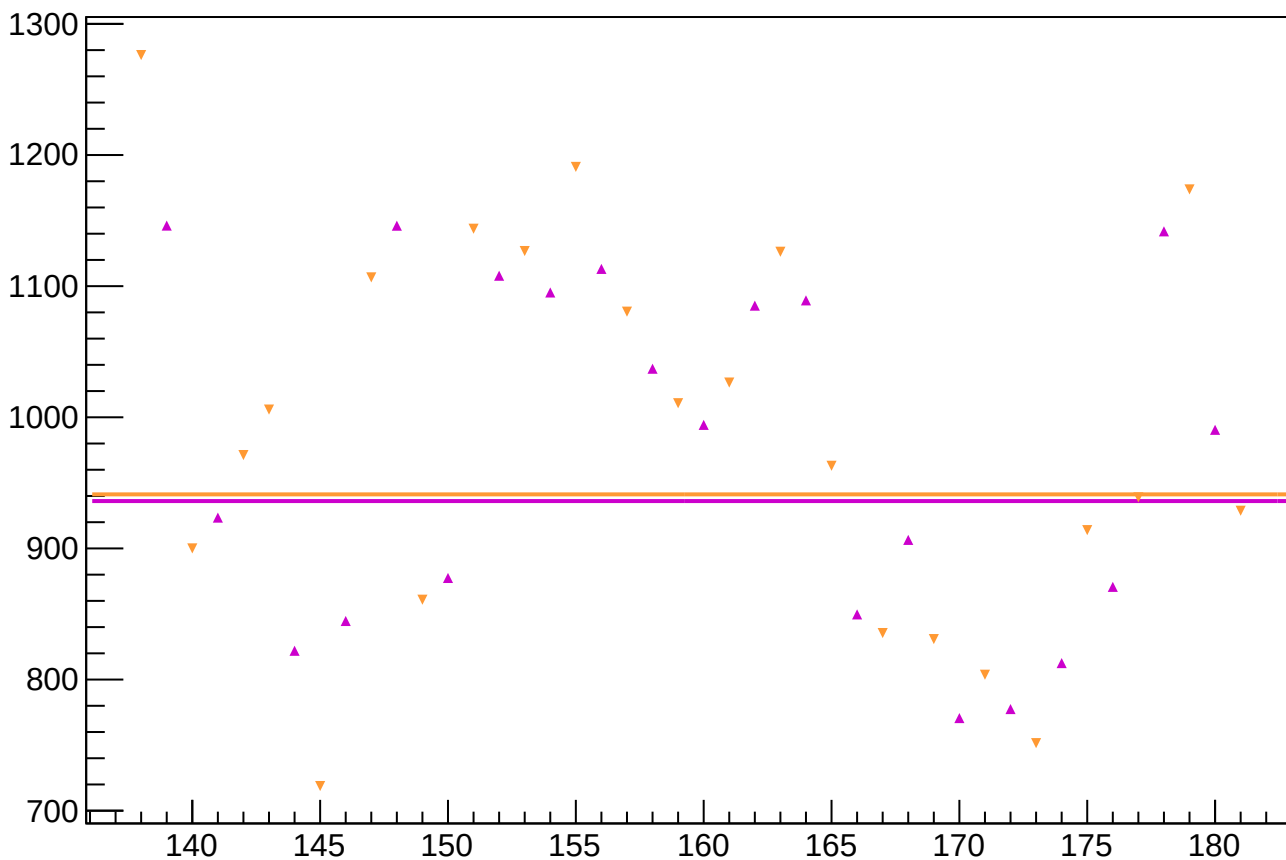
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 193.533+/-232.444 χ^2/NDF :23.2/20

Out: -1065.074+/-228.694 χ^2/NDF :43.3/22

All: -446.006+/-163.021 χ^2/NDF : 81.3/43

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 941.221+/-0.162 χ^2/NDF : 810762.9/22

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

Left In: 936.114+/-0.164 χ^2/NDF : 606692.8/20

Left: 938.709+/-0.115 χ^2/NDF : 1417946.3/43

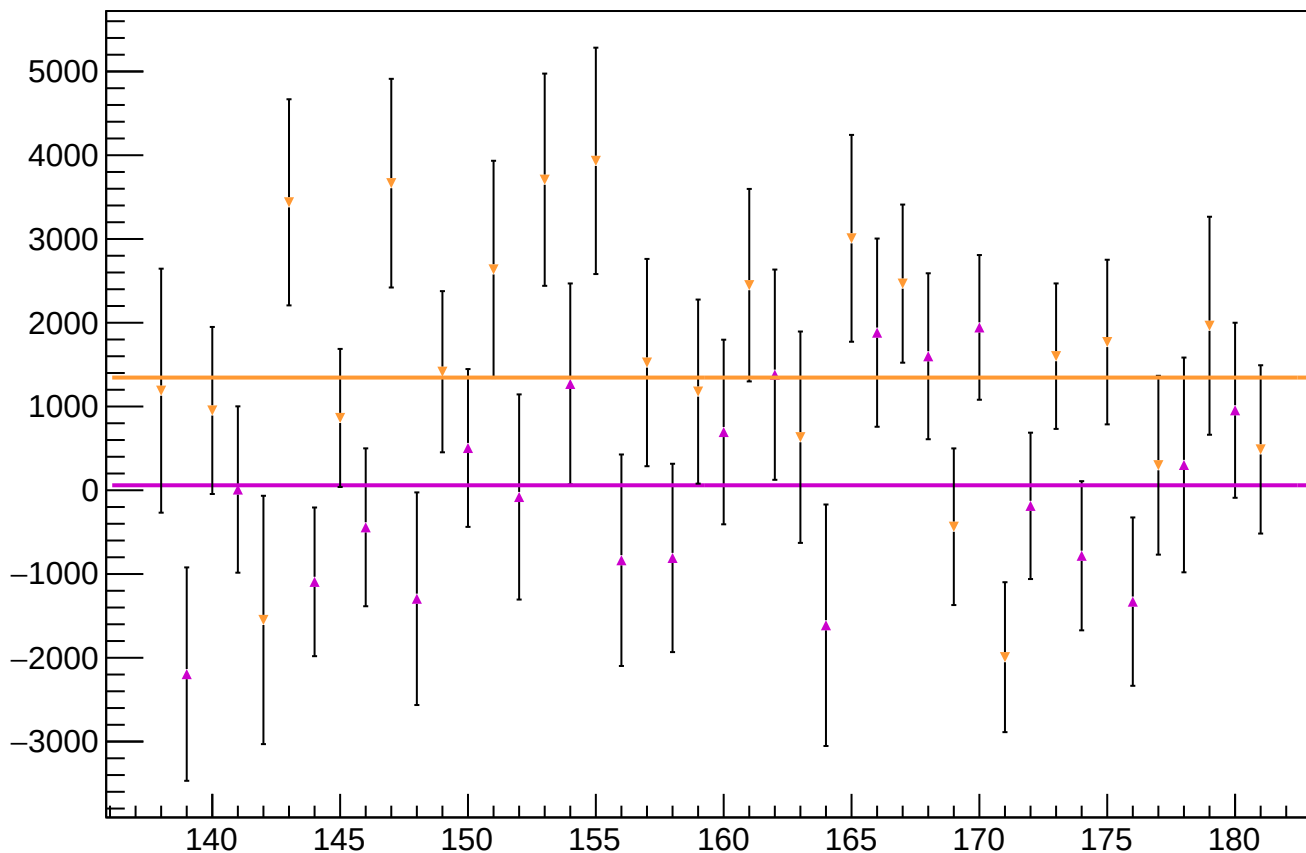
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 936.114+/-0.164 χ^2/NDF : 606692.8/20

Out: 941.221+/-0.162 χ^2/NDF : 810762.9/22

All: 938.709+/-0.115 χ^2/NDF : 1417946.3/43

asym_sam_48_dd_mean vs Slug, Sign Corrected



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

Left Out: 1345.493+/-226.976 χ^2/NDF :43.1/22

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

Left In: 59.483+/-231.071 χ^2/NDF :24.8/20

Left: 713.983+/-161.925 χ^2/NDF : 83.7/43

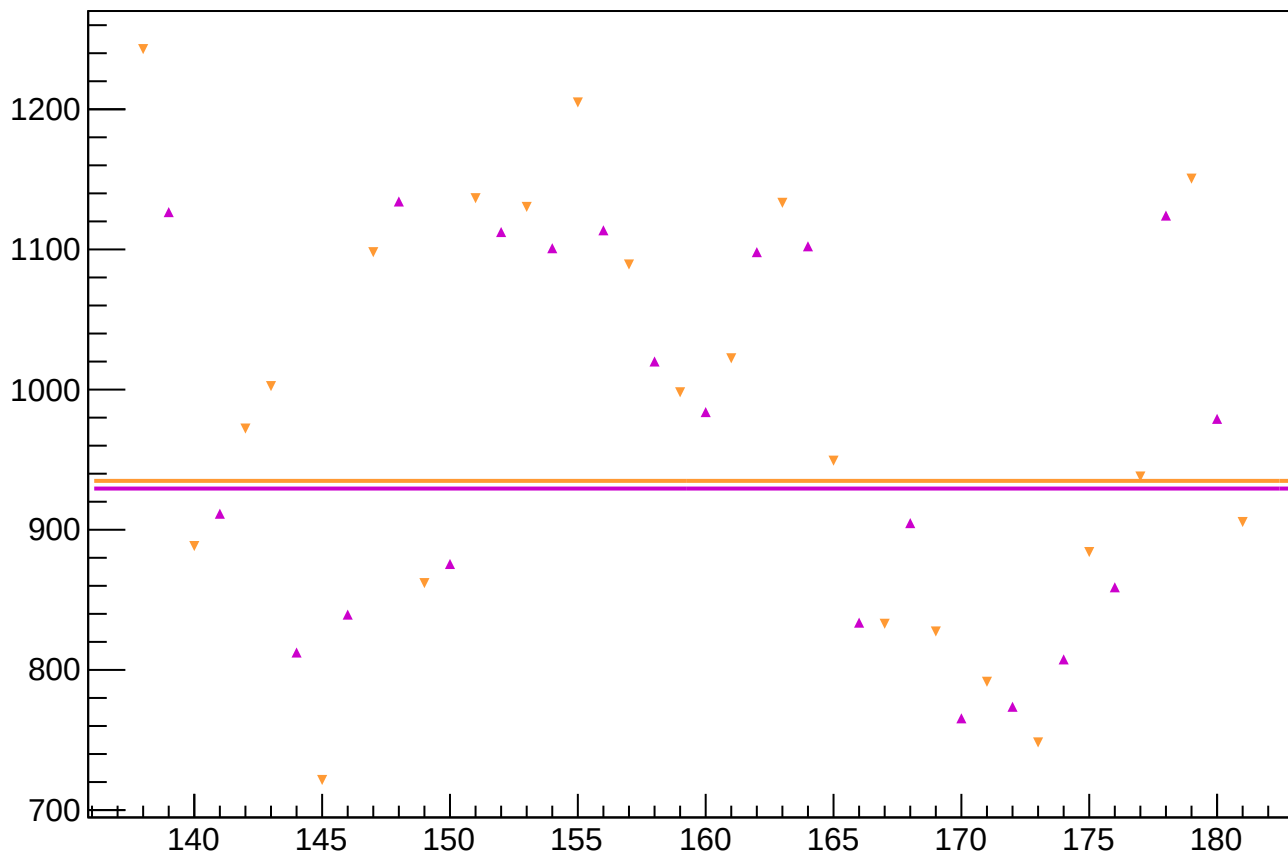
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 59.483+/-231.071 χ^2/NDF :24.8/20

Out: 1345.493+/-226.976 χ^2/NDF :43.1/22

All: 713.983+/-161.925 χ^2/NDF : 83.7/43

asym_sam_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 934.876+/-0.160 χ^2/NDF :811145.0/22

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

Left In: 929.399+/-0.163 χ^2/NDF :620304.4/20

Left: 932.187+/-0.114 χ^2/NDF : 1432021.2/43

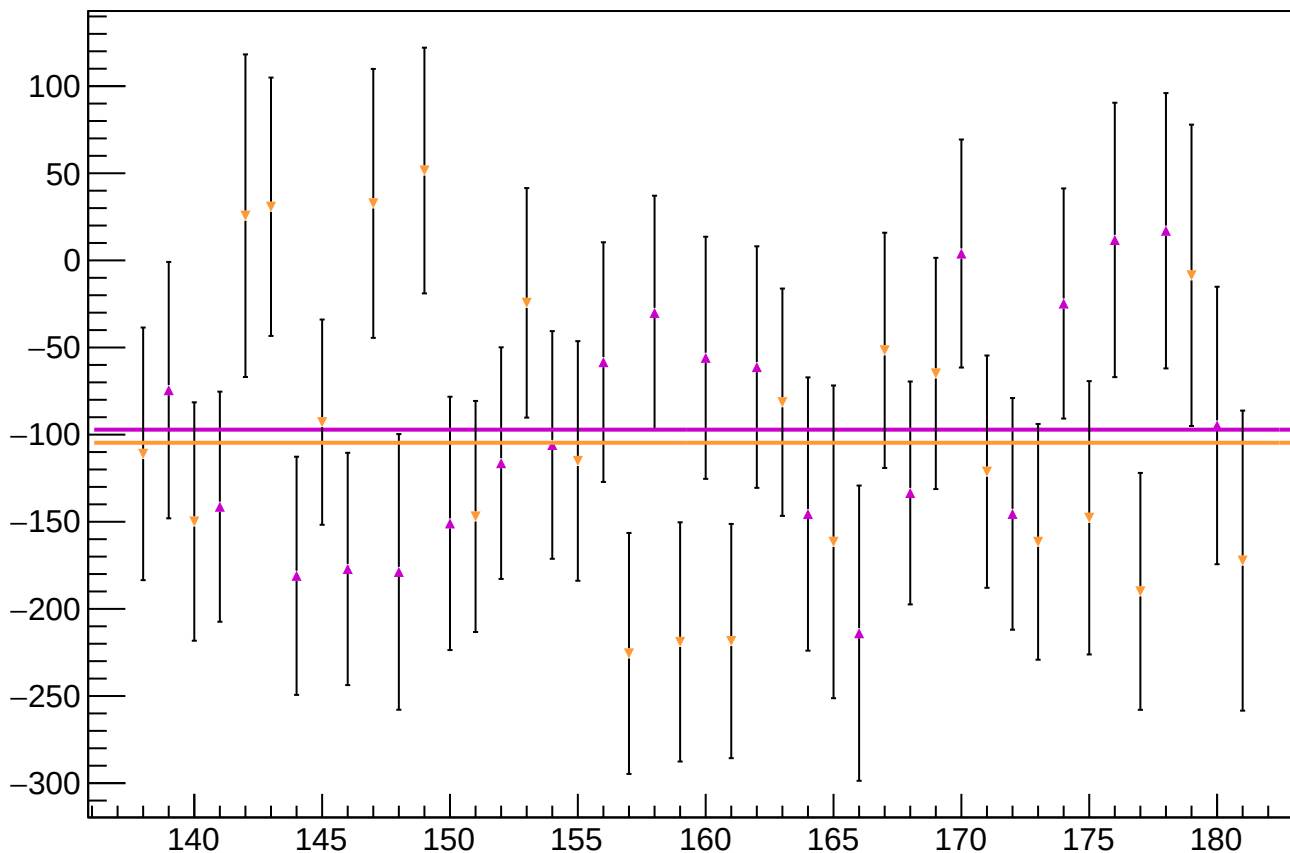
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 929.399+/-0.163 χ^2/NDF :620304.4/20

Out: 934.876+/-0.160 χ^2/NDF :811145.0/22

All: 932.187+/-0.114 χ^2/NDF : 1432021.2/43

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: -104.656+/-14.794 χ^2/NDF :30.5/22

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

Left In: -97.146+/-15.383 χ^2/NDF :17.9/20

Left: -101.048+/-10.663 χ^2/NDF : 48.5/43

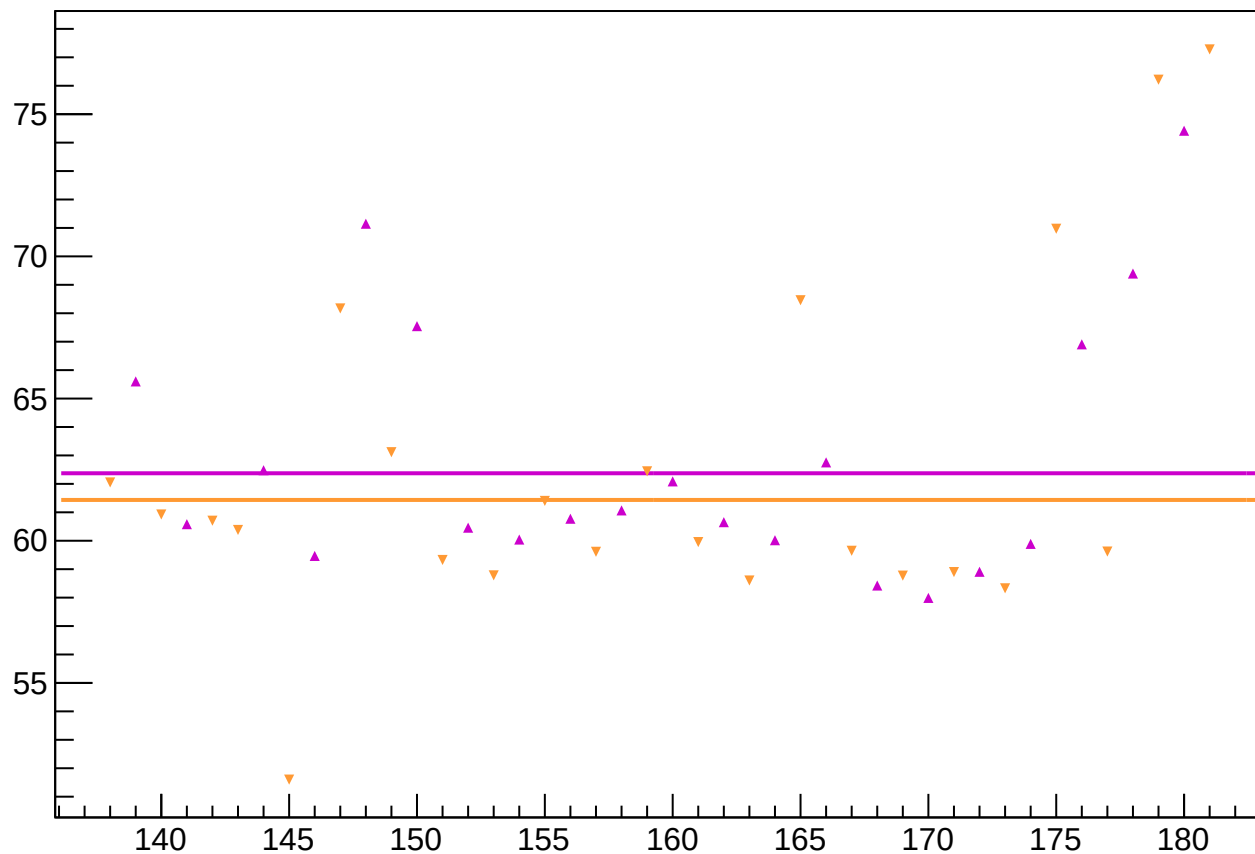
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -97.146+/-15.383 χ^2/NDF :17.9/20

Out: -104.656+/-14.794 χ^2/NDF :30.5/22

All: -101.048+/-10.663 χ^2/NDF : 48.5/43

dit_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



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

Left Out: 61.435 $\pm$ 0.010 χ^2/NDF :265870.7/22

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

Left In: 62.373 $\pm$ 0.011 χ^2/NDF :146094.5/20

Left: 61.886 $\pm$ 0.008 χ^2/NDF : 415829.9/43

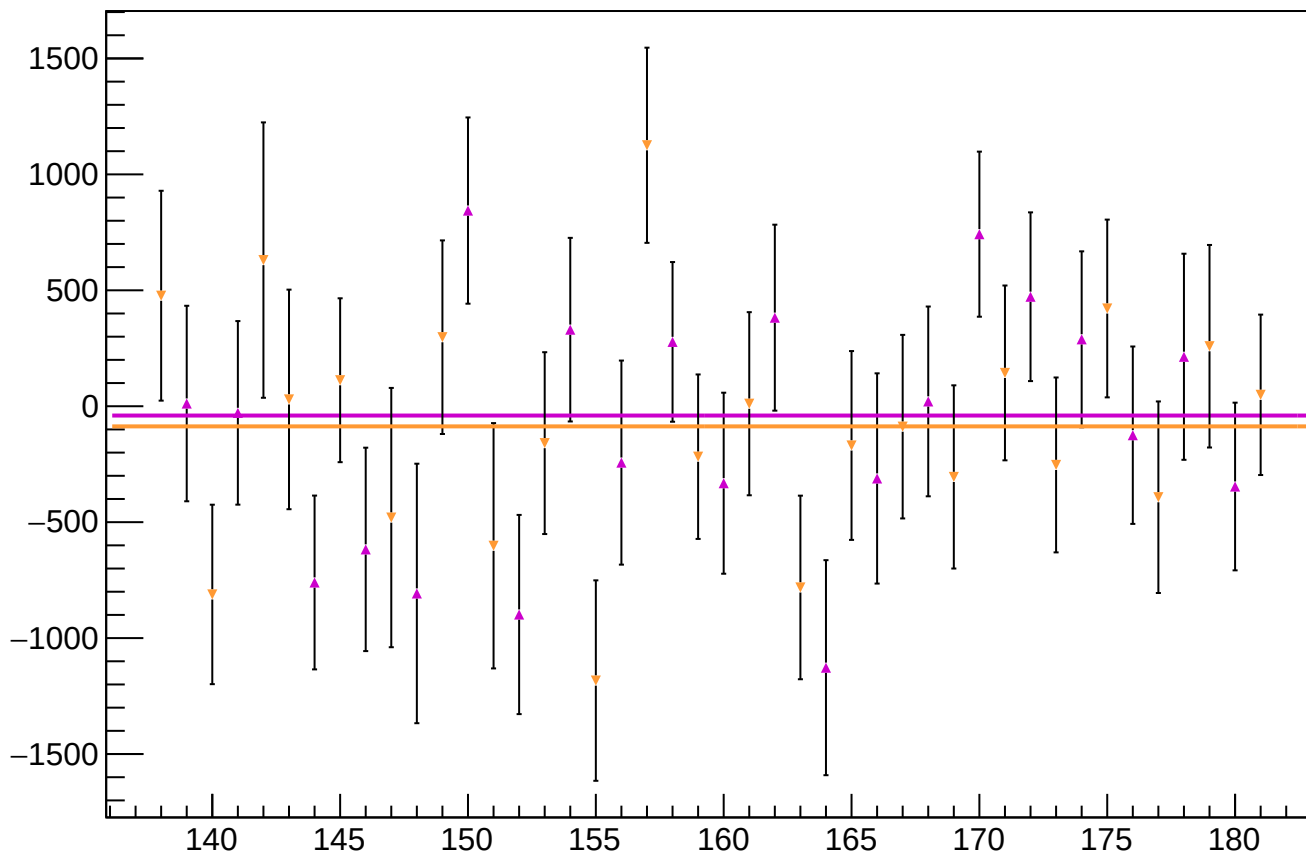
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 62.373 $\pm$ 0.011 χ^2/NDF :146094.5/20

Out: 61.435 $\pm$ 0.010 χ^2/NDF :265870.7/22

All: 61.886 $\pm$ 0.008 χ^2/NDF : 415829.9/43

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: -86.871+/-85.511 χ^2/NDF :31.2/22

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

Left In: -40.131+/-87.940 χ^2/NDF :34.3/20

Left: -64.156+/-61.306 χ^2/NDF : 65.7/43

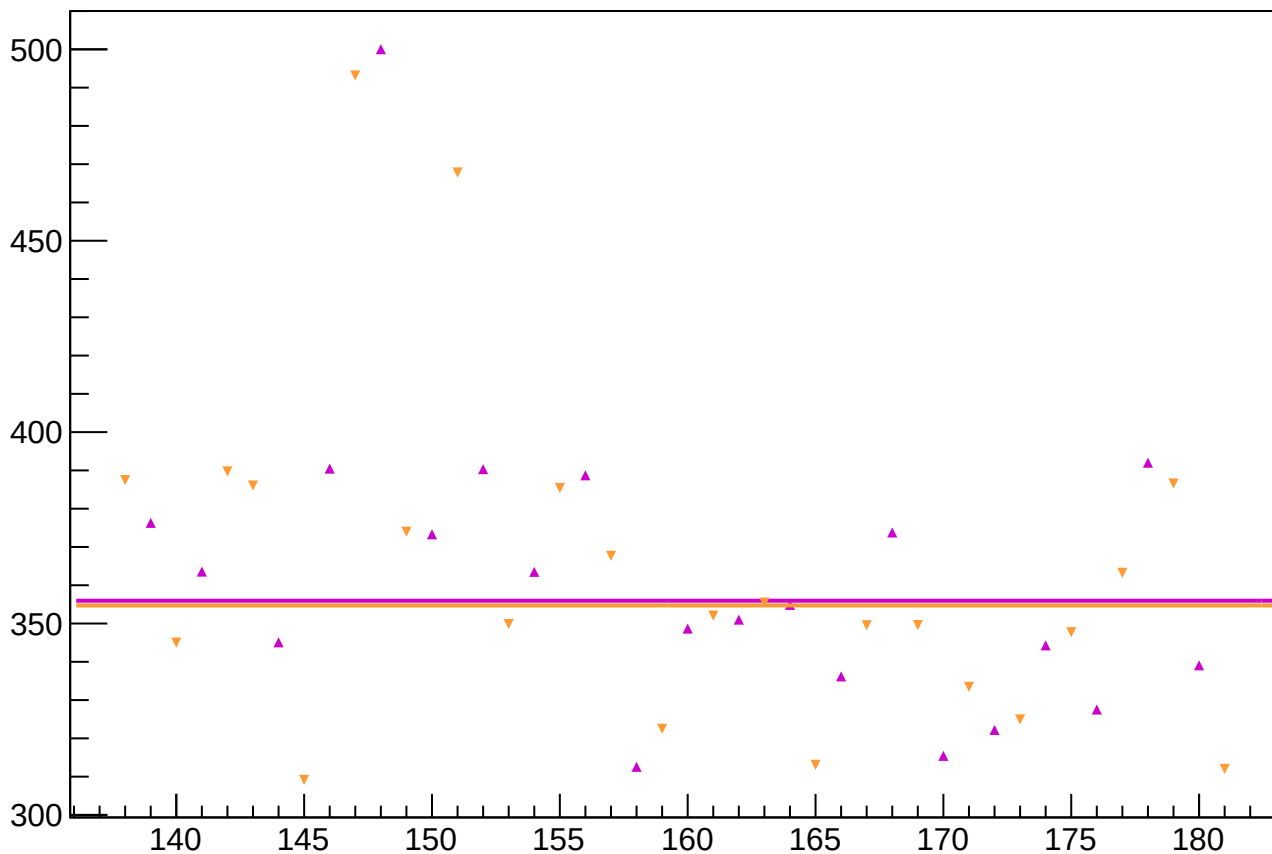
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -40.131+/-87.940 χ^2/NDF :34.3/20

Out: -86.871+/-85.511 χ^2/NDF :31.2/22

All: -64.156+/-61.306 χ^2/NDF : 65.7/43

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: 354.730+/-0.060 χ^2/NDF : 390888.1/22

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

Left In: 355.968+/-0.062 χ^2/NDF : 294346.4/20

Left: 355.331+/-0.043 χ^2/NDF : 685438.2/43

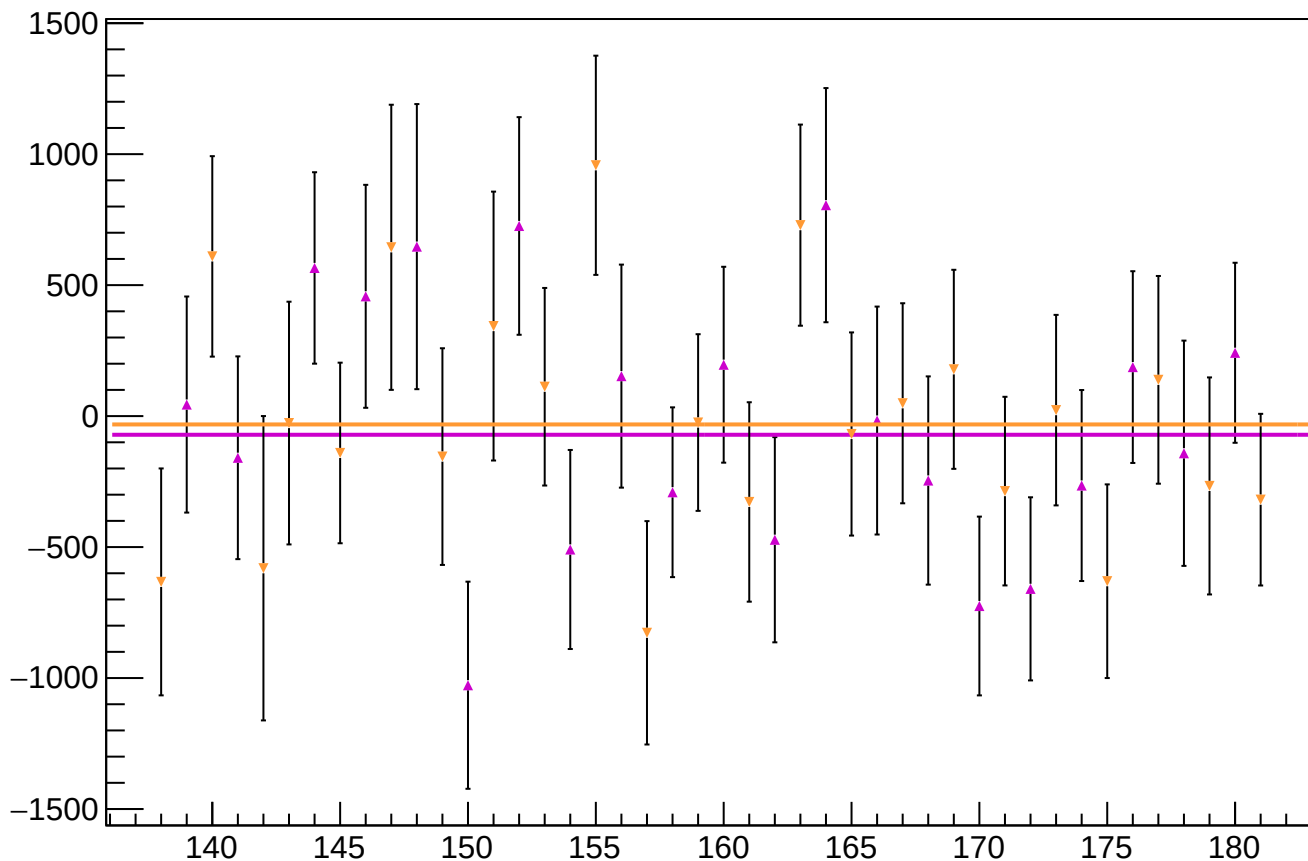
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 355.968+/-0.062 χ^2/NDF : 294346.4/20

Out: 354.730+/-0.060 χ^2/NDF : 390888.1/22

All: 355.331+/-0.043 χ^2/NDF : 685438.2/43

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: -31.842 $\pm$ 82.628 χ^2 /NDF:26.4/22

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

Left In: -71.257 $\pm$ 84.810 χ^2 /NDF:31.8/20

Left: -51.036 $\pm$ 59.183 χ^2 /NDF: 58.3/43

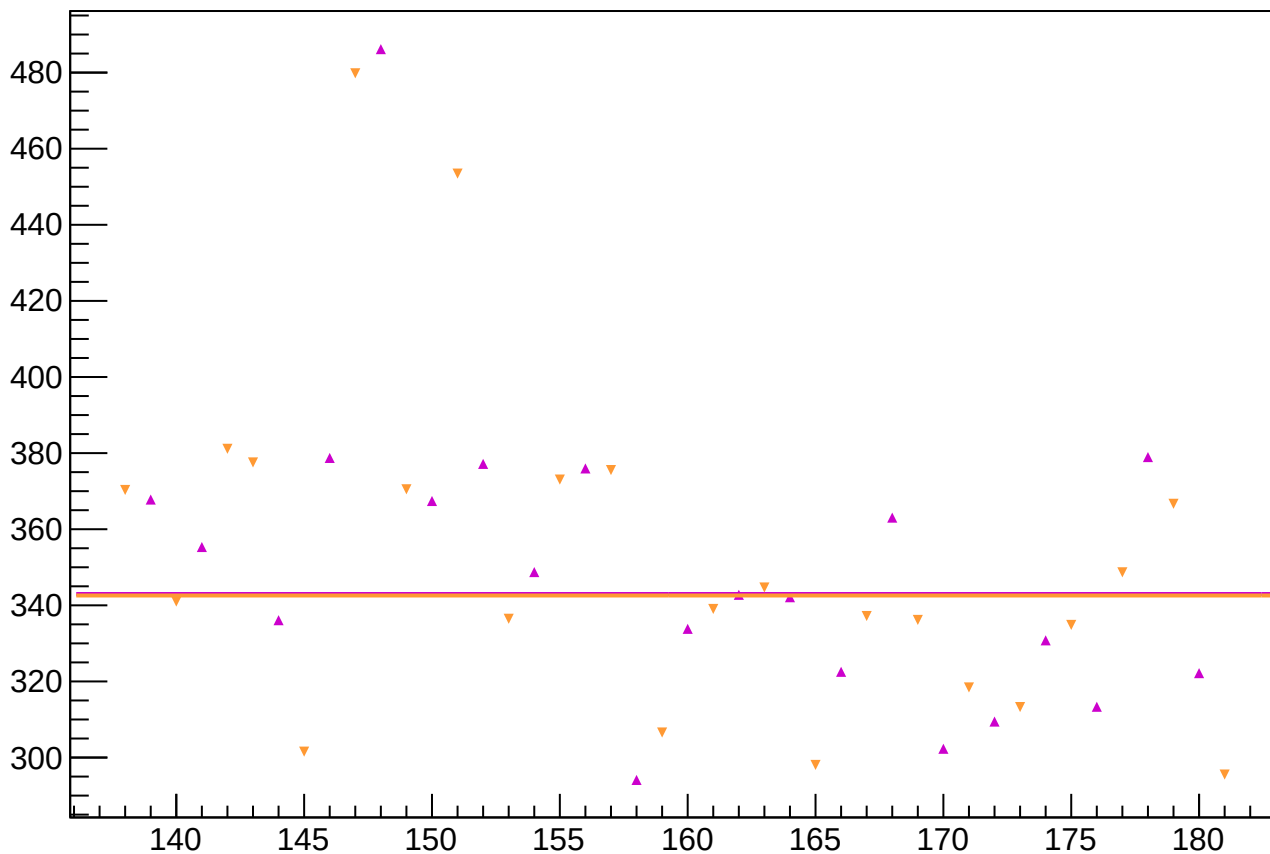
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -71.257 $\pm$ 84.810 χ^2 /NDF:31.8/20

Out: -31.842 $\pm$ 82.628 χ^2 /NDF:26.4/22

All: -51.036 $\pm$ 59.183 χ^2 /NDF: 58.3/43

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



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

Left Out: 342.586+/-0.058 χ^2/NDF : 431163.2/22

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

Left In: 342.973+/-0.060 χ^2/NDF : 335889.1/20

Left: 342.775+/-0.042 χ^2/NDF : 767073.6/43

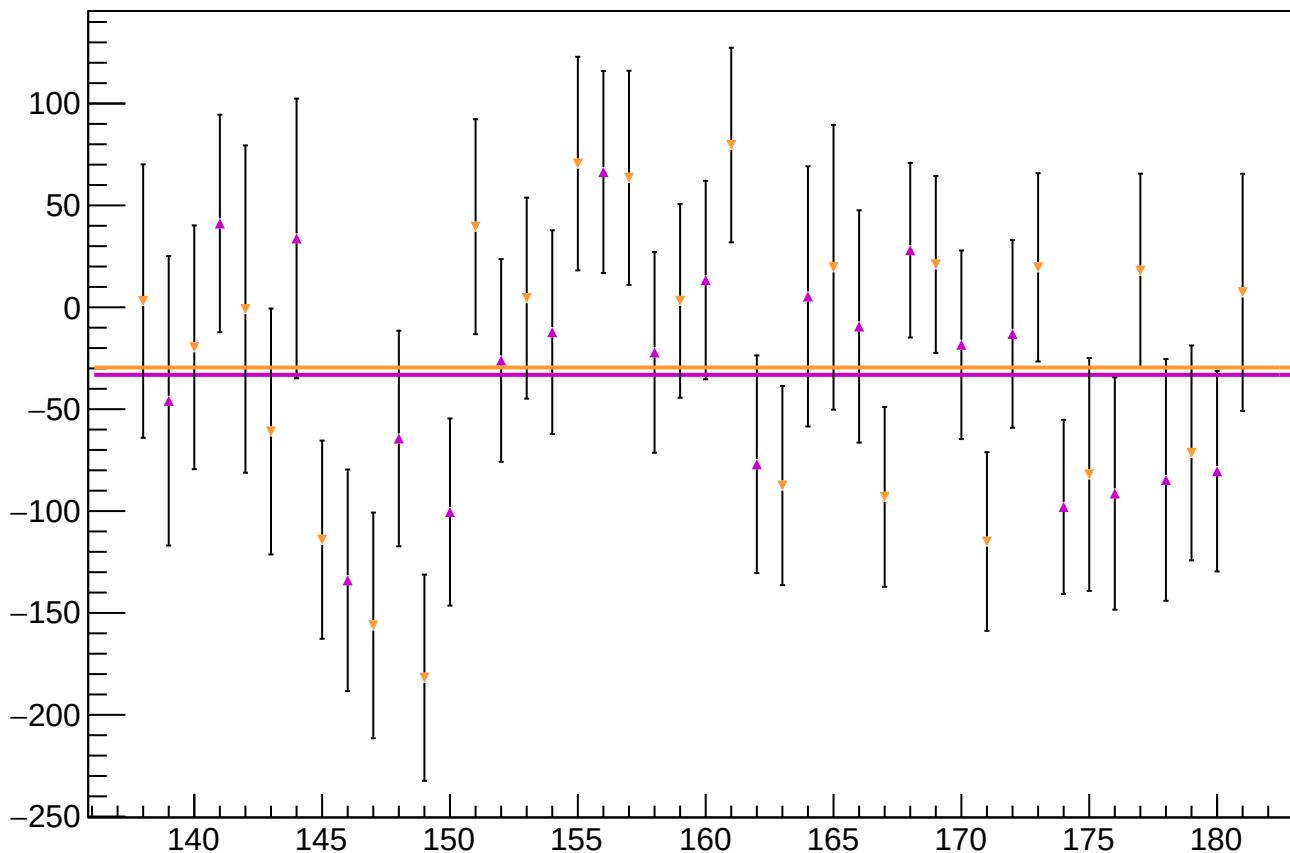
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 342.973+/-0.060 χ^2/NDF : 335889.1/20

Out: 342.586+/-0.058 χ^2/NDF : 431163.2/22

All: 342.775+/-0.042 χ^2/NDF : 767073.6/43

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: -29.551 ± 10.842 $\chi^2/\text{NDF}: 45.8/22$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -33.161 ± 11.239 $\chi^2/\text{NDF}: 22.6/20$

Left: -31.291 ± 7.803 $\chi^2/\text{NDF}: 68.4/43$

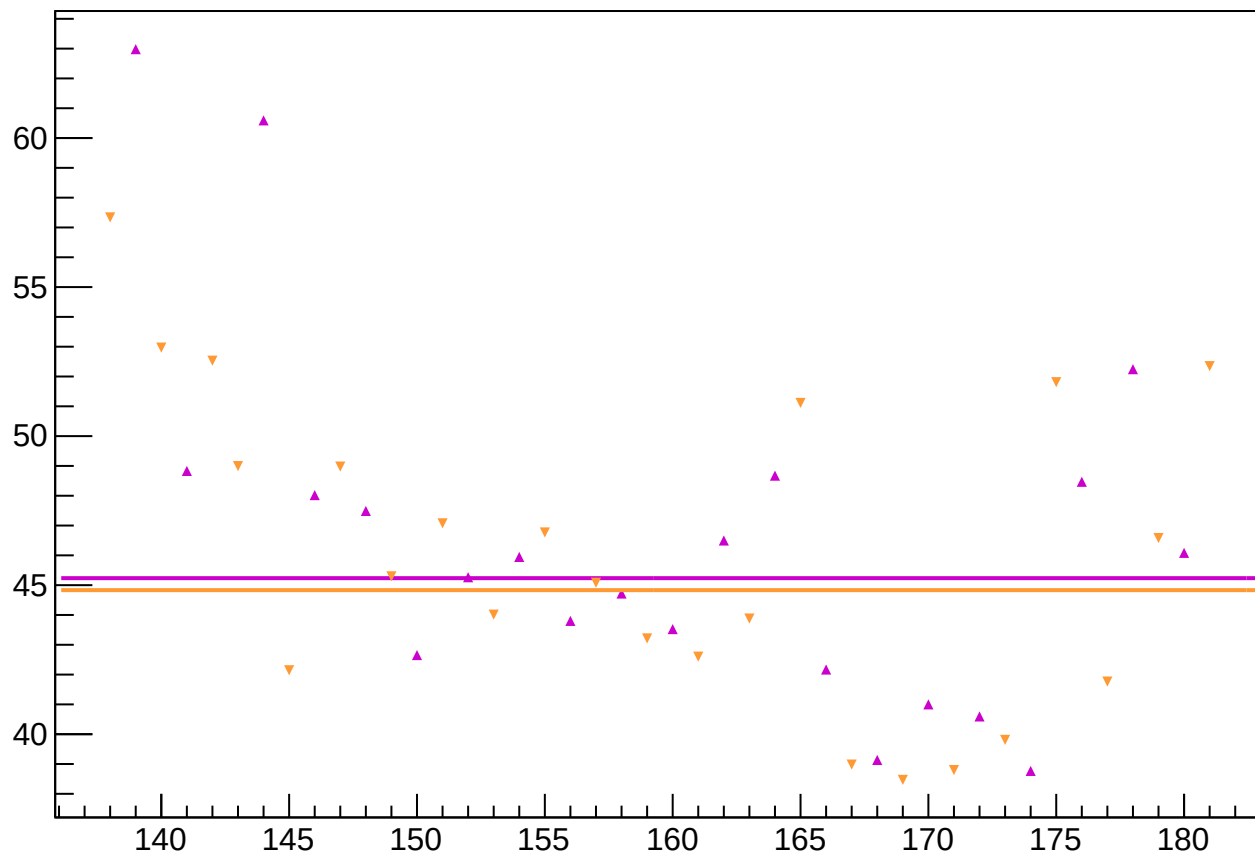
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -33.161 ± 11.239 $\chi^2/\text{NDF}: 22.6/20$

Out: -29.551 ± 10.842 $\chi^2/\text{NDF}: 45.8/22$

All: -31.291 ± 7.803 $\chi^2/\text{NDF}: 68.4/43$

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: 44.833+/-0.008 χ^2/NDF :395805.9/22

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

Left In: 45.235+/-0.008 χ^2/NDF :425130.3/20

Left: 45.027+/-0.006 χ^2/NDF : 822262.1/43

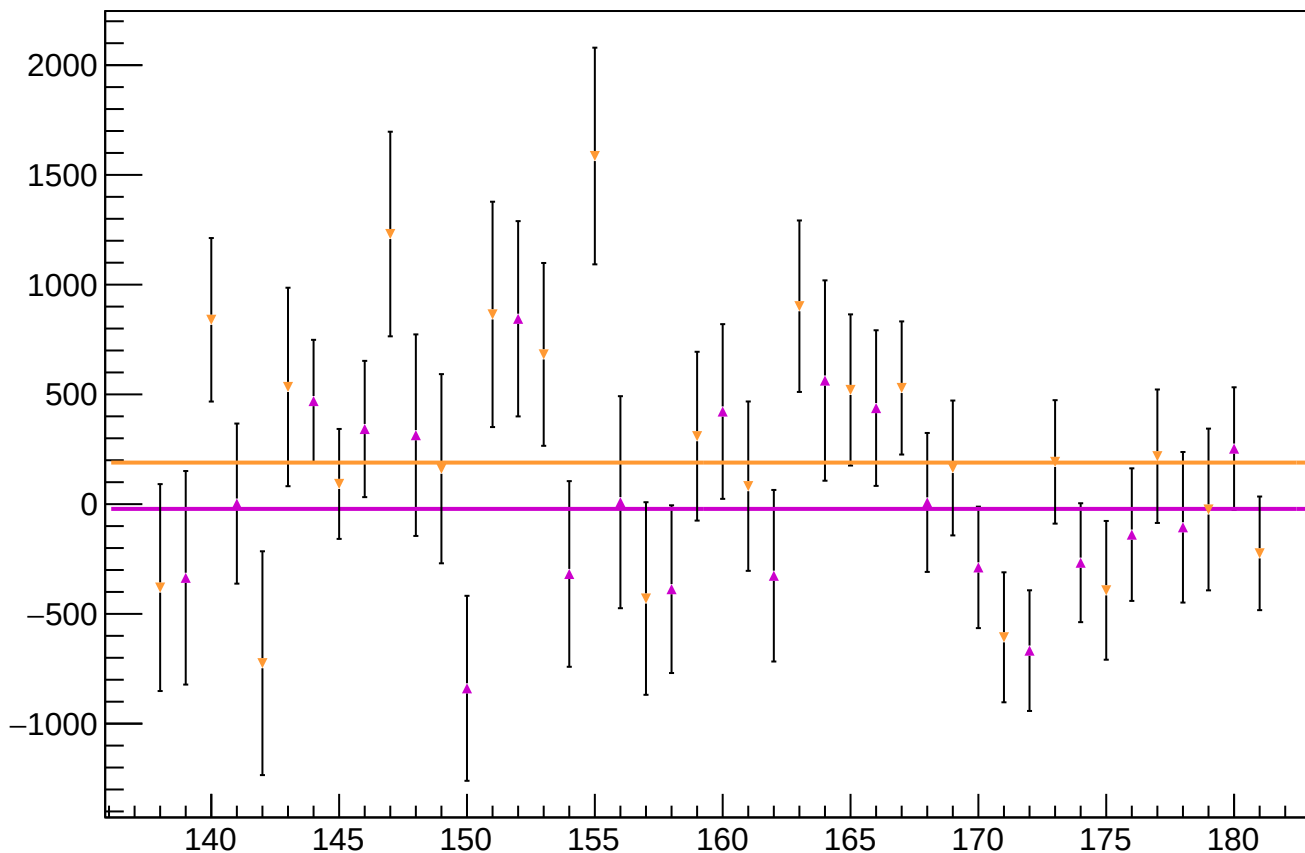
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 45.235+/-0.008 χ^2/NDF :425130.3/20

Out: 44.833+/-0.008 χ^2/NDF :395805.9/22

All: 45.027+/-0.006 χ^2/NDF : 822262.1/43

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: 189.316+/-74.056 χ^2/NDF :45.8/22

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

Left In: -21.673+/-75.609 χ^2/NDF :28.0/20

Left: 86.011+/-52.906 χ^2/NDF : 77.8/43

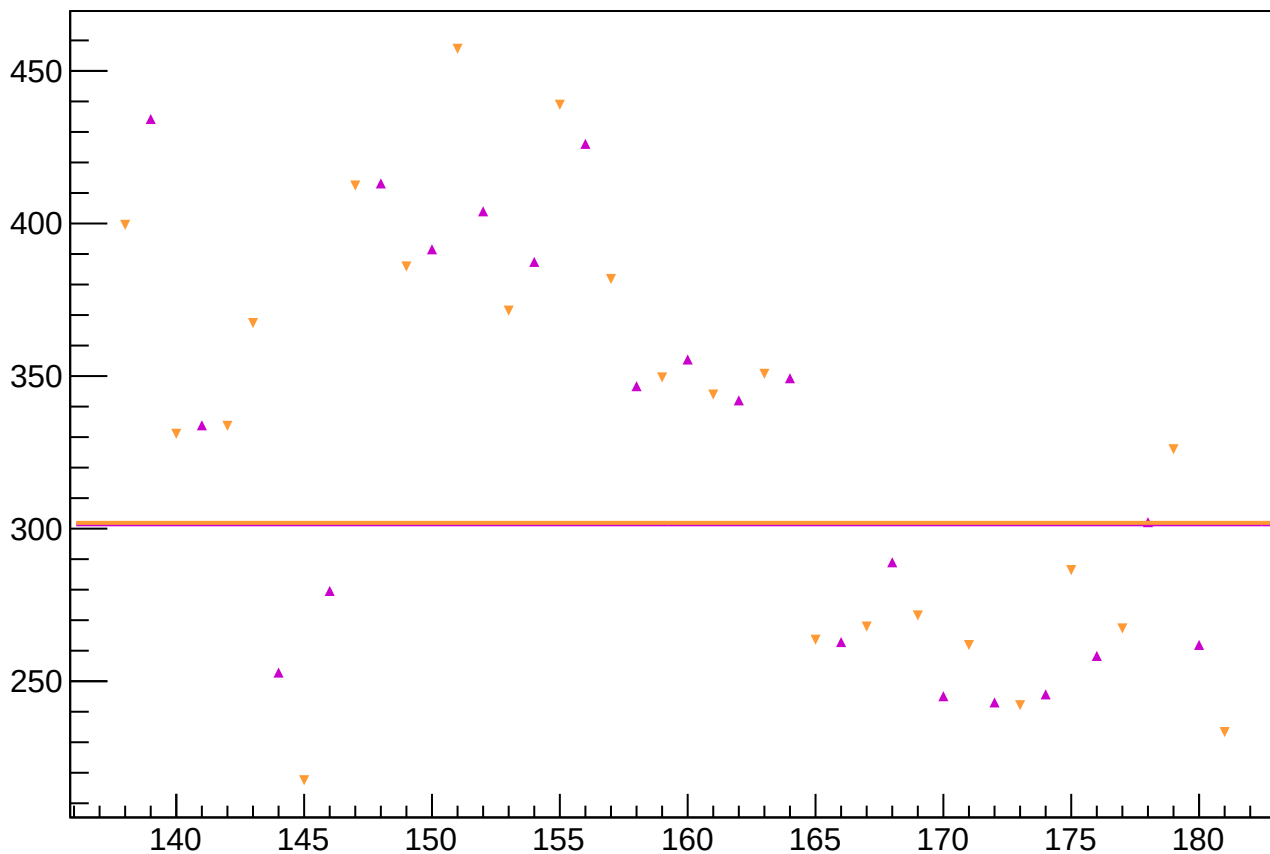
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -21.673+/-75.609 χ^2/NDF :28.0/20

Out: 189.316+/-74.056 χ^2/NDF :45.8/22

All: 86.011+/-52.906 χ^2/NDF : 77.8/43

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: 301.900+/-0.052 χ^2/NDF :1484263.2/22

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

Left In: 301.425+/-0.053 χ^2/NDF :1241548.8/20

Left: 301.667+/-0.037 χ^2/NDF : 2725852.3/43

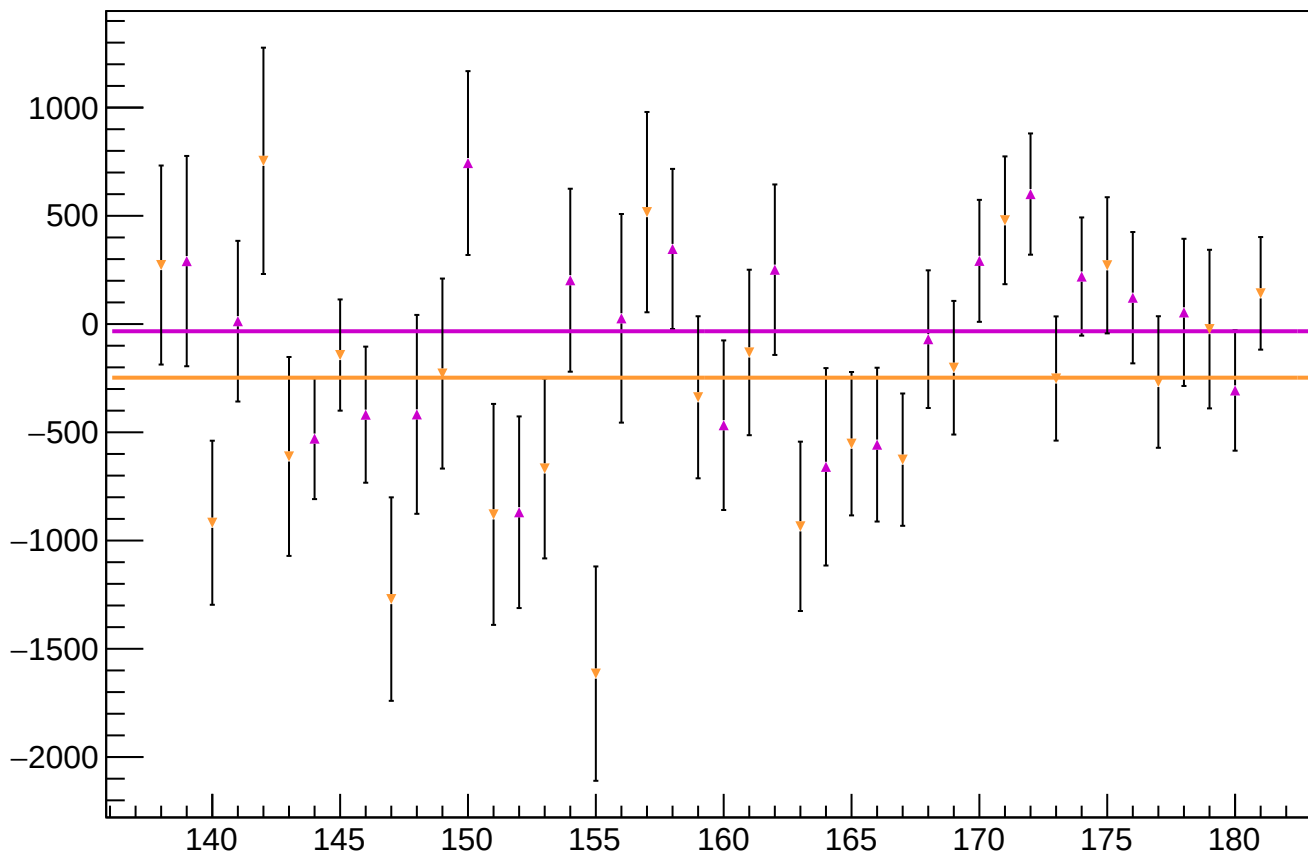
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 301.425+/-0.053 χ^2/NDF :1241548.8/20

Out: 301.900+/-0.052 χ^2/NDF :1484263.2/22

All: 301.667+/-0.037 χ^2/NDF : 2725852.3/43

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: -247.637 ± 74.329 $\chi^2/\text{NDF}: 43.6/22$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -33.188 ± 75.850 $\chi^2/\text{NDF}: 28.5/20$

Left: -142.584 ± 53.088 $\chi^2/\text{NDF}: 76.2/43$

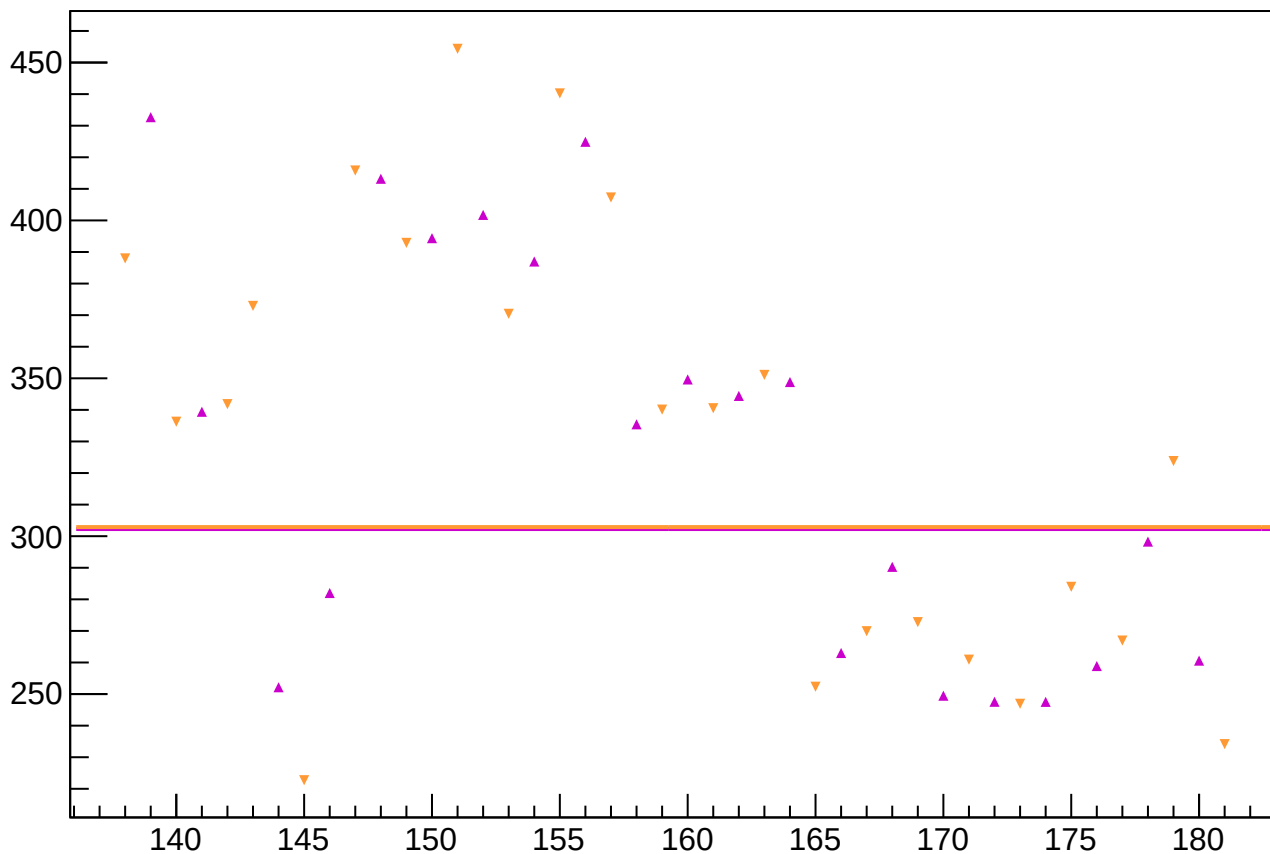
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -33.188 ± 75.850 $\chi^2/\text{NDF}: 28.5/20$

Out: -247.637 ± 74.329 $\chi^2/\text{NDF}: 43.6/22$

All: -142.584 ± 53.088 $\chi^2/\text{NDF}: 76.2/43$

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



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

Left Out: 302.879+/-0.053 χ^2/NDF :1477195.4/22

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

Left In: 302.266+/-0.054 χ^2/NDF :1187854.6/20

Left: 302.579+/-0.038 χ^2/NDF : 2665116.7/43

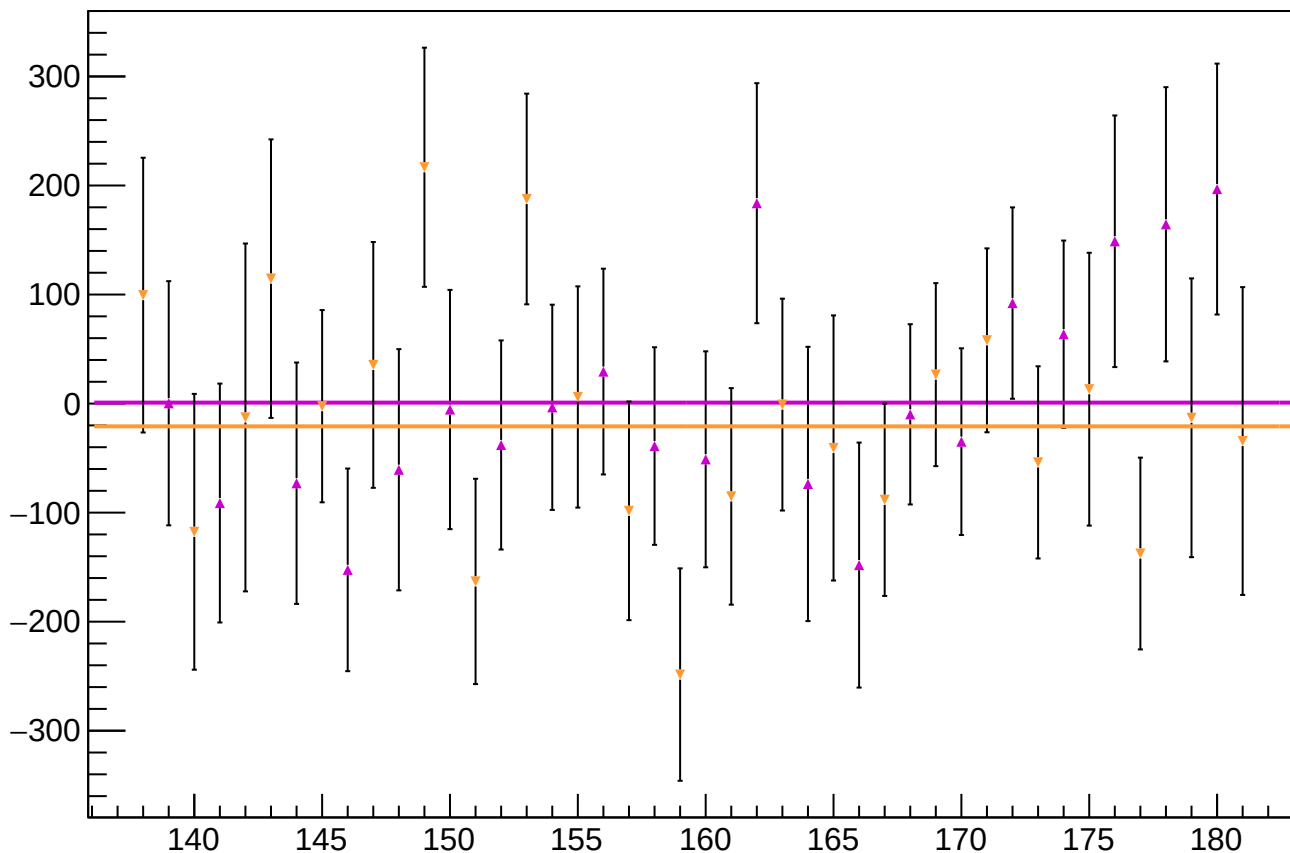
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 302.266+/-0.054 χ^2/NDF :1187854.6/20

Out: 302.879+/-0.053 χ^2/NDF :1477195.4/22

All: 302.579+/-0.038 χ^2/NDF : 2665116.7/43

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: -20.865 ± 21.525 $\chi^2/\text{NDF}: 24.9/22$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: 0.886 ± 21.978 $\chi^2/\text{NDF}: 17.8/20$

Left: -10.215 ± 15.378 $\chi^2/\text{NDF}: 43.3/43$

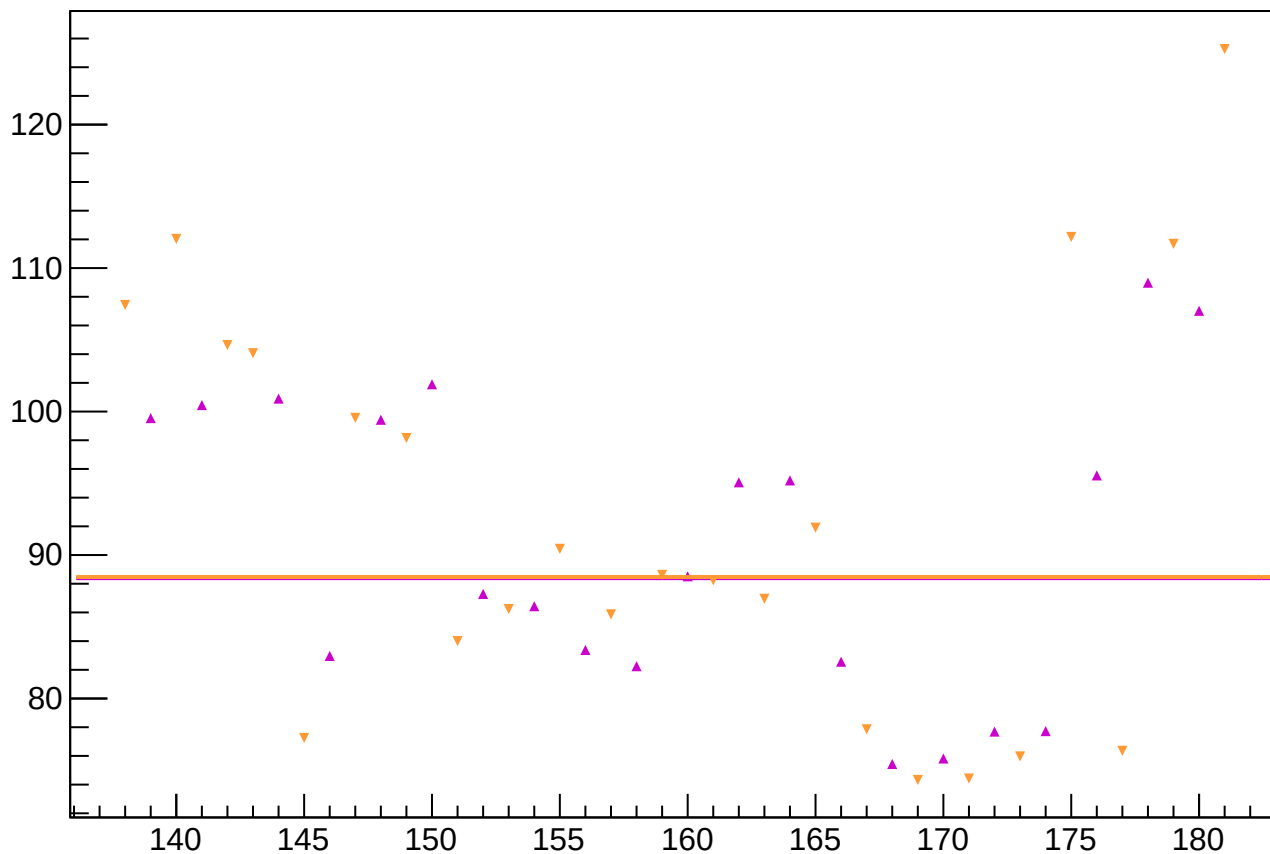
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: 0.886 ± 21.978 $\chi^2/\text{NDF}: 17.8/20$

Out: -20.865 ± 21.525 $\chi^2/\text{NDF}: 24.9/22$

All: -10.215 ± 15.378 $\chi^2/\text{NDF}: 43.3/43$

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: 88.471+/-0.015 χ^2/NDF : 735408.4/22

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

Left In: 88.389+/-0.016 χ^2/NDF : 427859.2/20

Left: 88.431+/-0.011 χ^2/NDF : 1163281.7/43

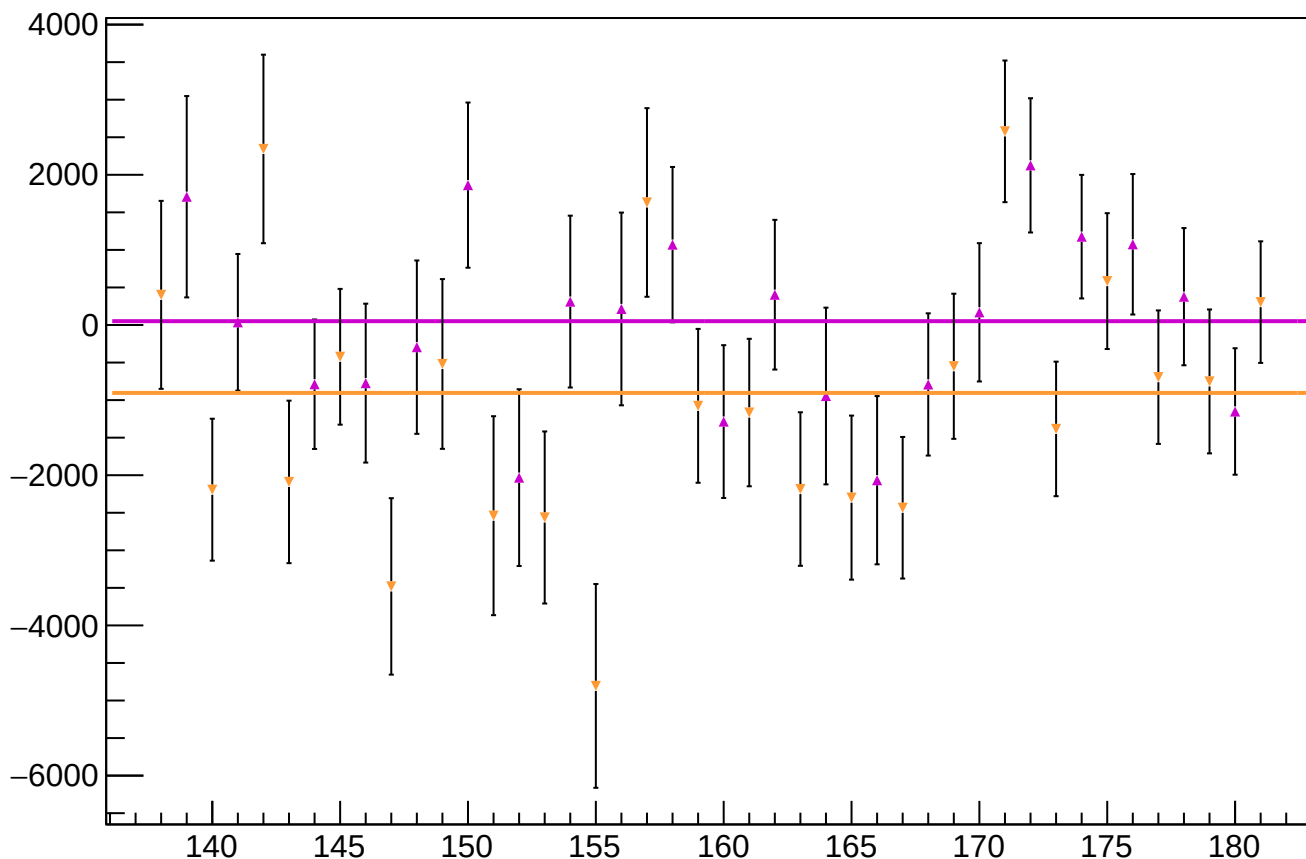
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 88.389+/-0.016 χ^2/NDF : 427859.2/20

Out: 88.471+/-0.015 χ^2/NDF : 735408.4/22

All: 88.431+/-0.011 χ^2/NDF : 1163281.7/43

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: -904.061+/-213.462 χ^2/NDF :57.0/22

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

Left In: 51.161+/-218.858 χ^2/NDF :27.6/20

Left: -438.370+/-152.812 χ^2/NDF : 94.4/43

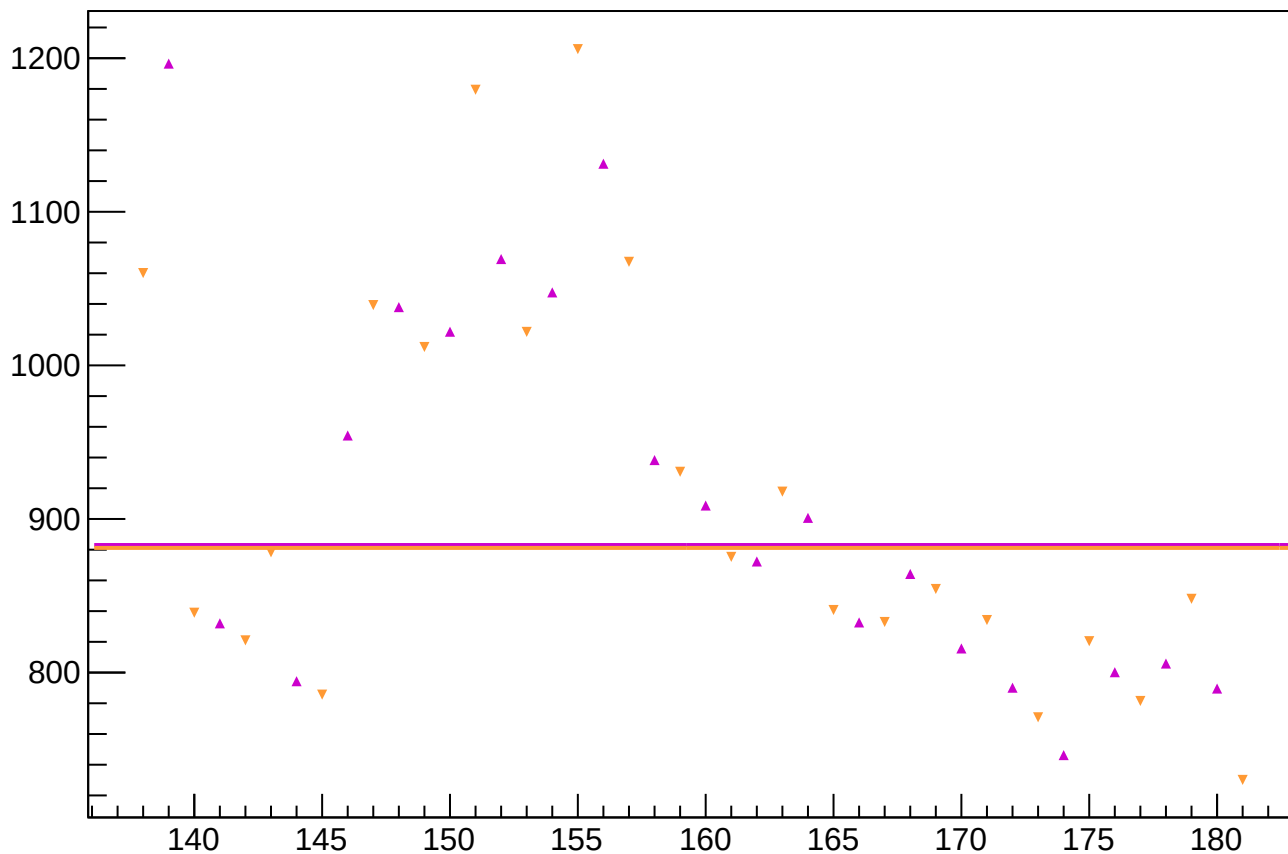
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 51.161+/-218.858 χ^2/NDF :27.6/20

Out: -904.061+/-213.462 χ^2/NDF :57.0/22

All: -438.370+/-152.812 χ^2/NDF : 94.4/43

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: 881.159+/-0.151 χ^2/NDF : 583331.9/22

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

Left In: 883.037+/-0.155 χ^2/NDF : 534747.6/20

Left: 882.074+/-0.108 χ^2/NDF : 1118154.9/43

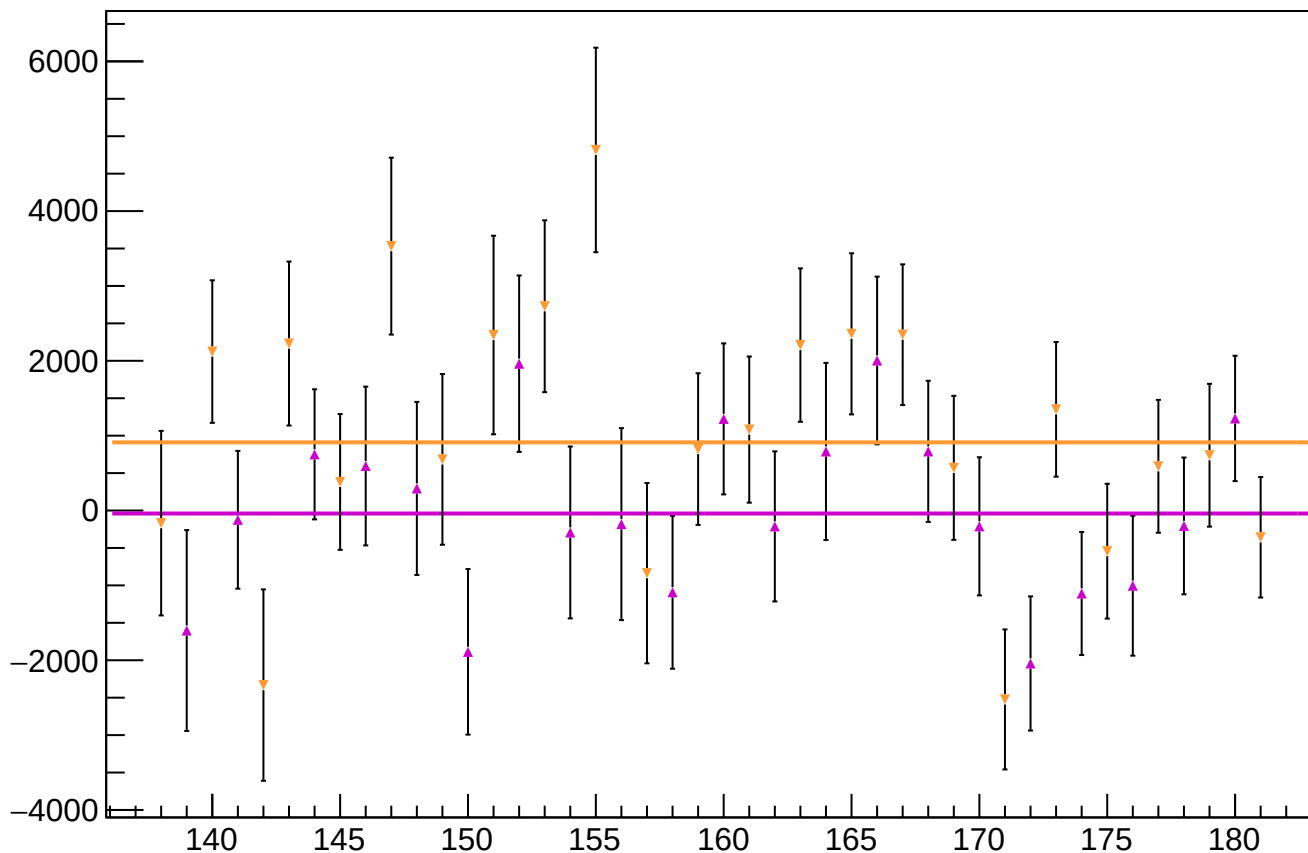
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 883.037+/-0.155 χ^2/NDF : 534747.6/20

Out: 881.159+/-0.151 χ^2/NDF : 583331.9/22

All: 882.074+/-0.108 χ^2/NDF : 1118154.9/43

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



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

Left Out: 910.613+/-213.013 χ^2/NDF :54.4/22

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

Left In: -39.995+/-219.025 χ^2/NDF :25.8/20

Left: 448.535+/-152.704 χ^2/NDF : 89.9/43

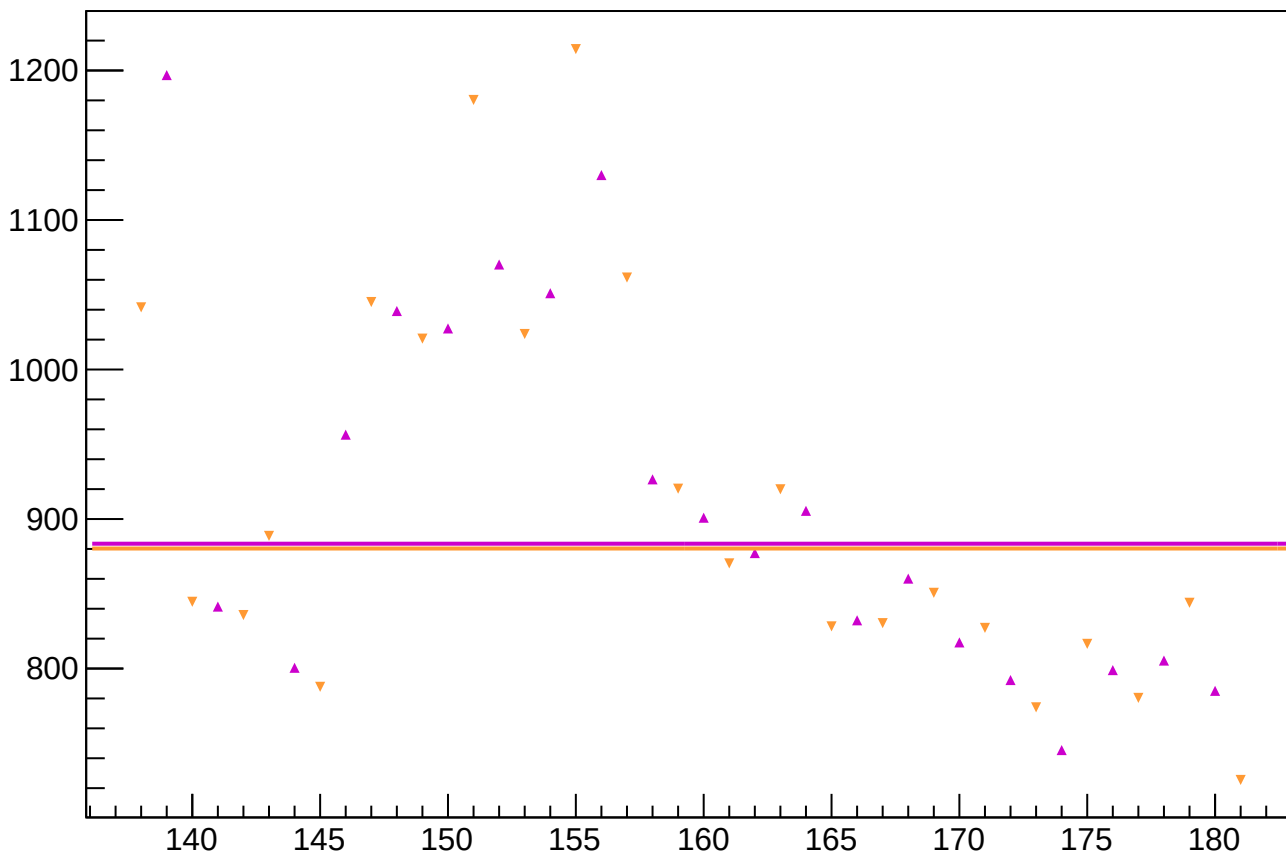
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -39.995+/-219.025 χ^2/NDF :25.8/20

Out: 910.613+/-213.013 χ^2/NDF :54.4/22

All: 448.535+/-152.704 χ^2/NDF : 89.9/43

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



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

Left Out: 880.275+/-0.151 χ^2/NDF : 593203.5/22

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

Left In: 883.497+/-0.155 χ^2/NDF : 534303.8/20

Left: 881.841+/-0.108 χ^2/NDF : 1127729.7/43

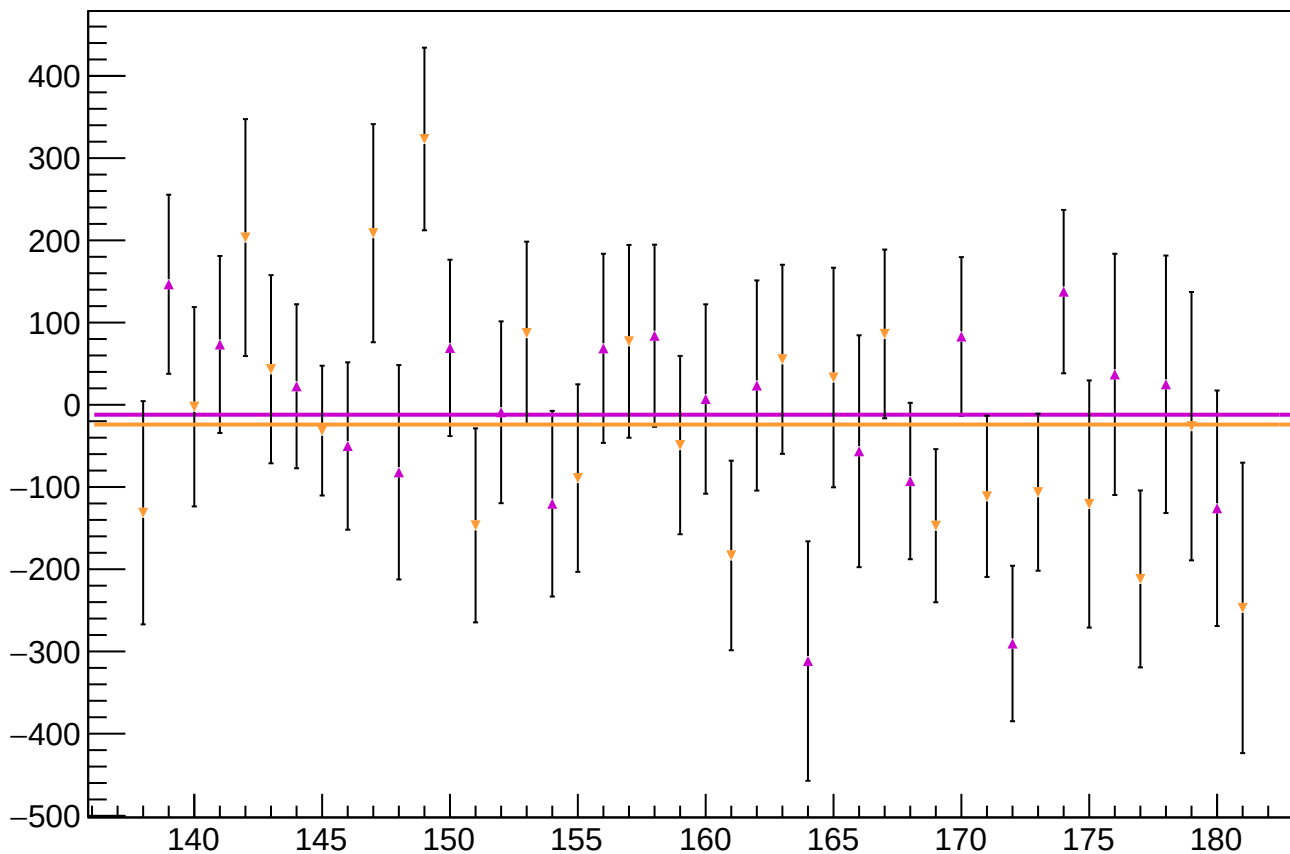
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 883.497+/-0.155 χ^2/NDF : 534303.8/20

Out: 880.275+/-0.151 χ^2/NDF : 593203.5/22

All: 881.841+/-0.108 χ^2/NDF : 1127729.7/43

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: -24.005 $\pm$ 23.809 χ^2 /NDF:31.6/22

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

Left In: -12.048 $\pm$ 24.754 χ^2 /NDF:23.9/20

Left: -18.259 $\pm$ 17.160 χ^2 /NDF: 55.6/43

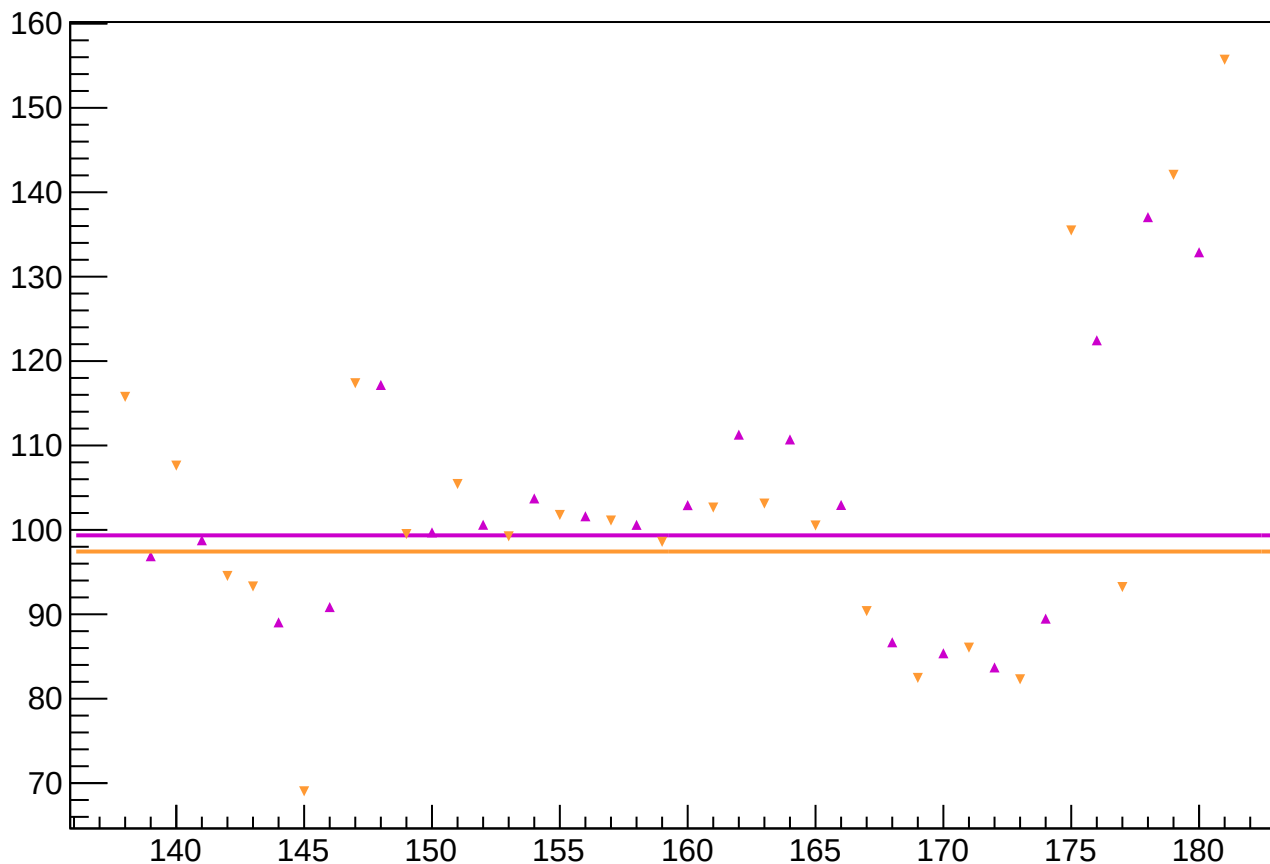
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -12.048 $\pm$ 24.754 χ^2 /NDF:23.9/20

Out: -24.005 $\pm$ 23.809 χ^2 /NDF:31.6/22

All: -18.259 $\pm$ 17.160 χ^2 /NDF: 55.6/43

dit_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 97.436+/-0.017 χ^2/NDF :1020755.5/22

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

Left In: 99.352+/-0.018 χ^2/NDF :538010.0/20

Left: 98.357+/-0.012 χ^2/NDF : 1564986.6/43

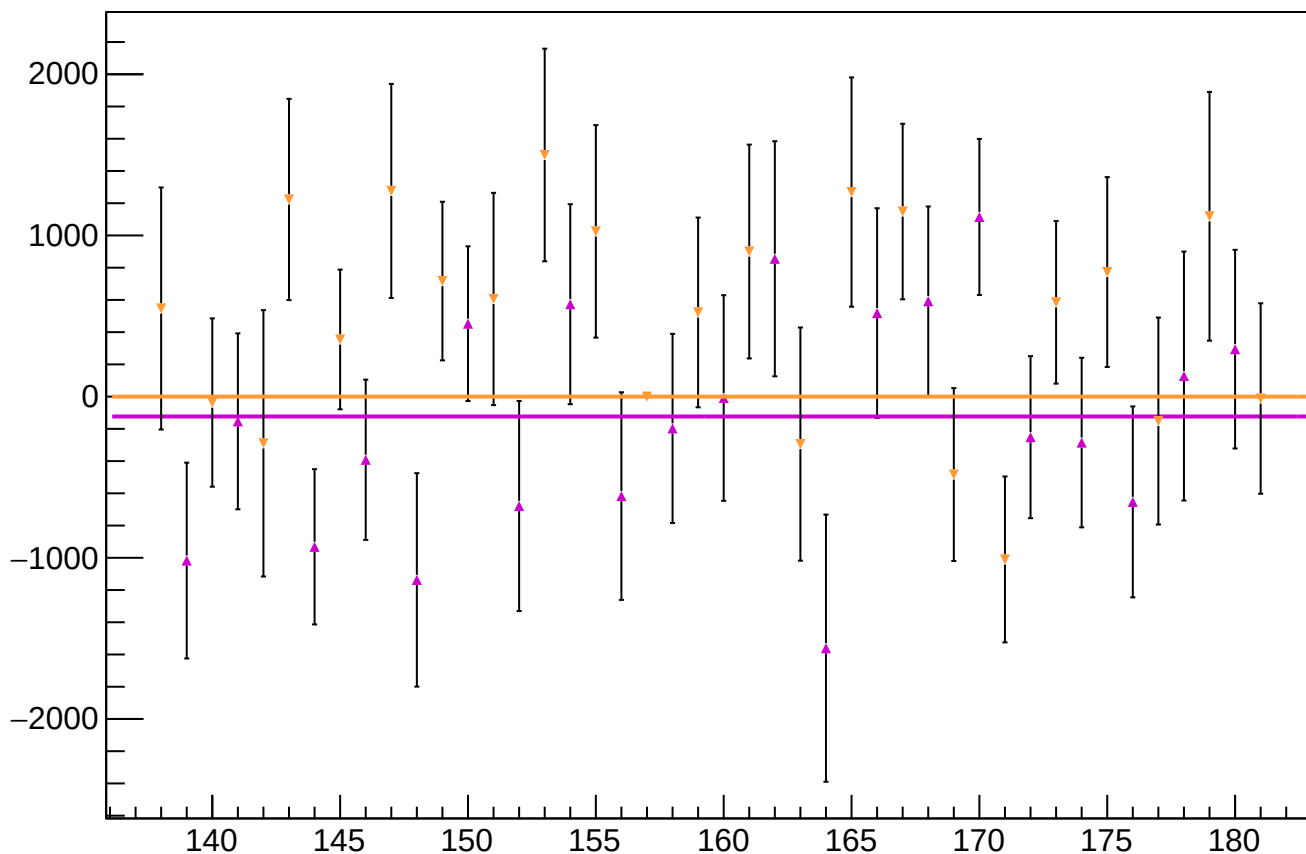
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 99.352+/-0.018 χ^2/NDF :538010.0/20

Out: 97.436+/-0.017 χ^2/NDF :1020755.5/22

All: 98.357+/-0.012 χ^2/NDF : 1564986.6/43

asym_sam_26_48_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.000+/-0.000 χ^2/NDF :39.7/22

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

Left In: -123.269+/-127.667 χ^2/NDF :27.0/20

Left: -0.000+/-0.000 χ^2/NDF : 67.7/43

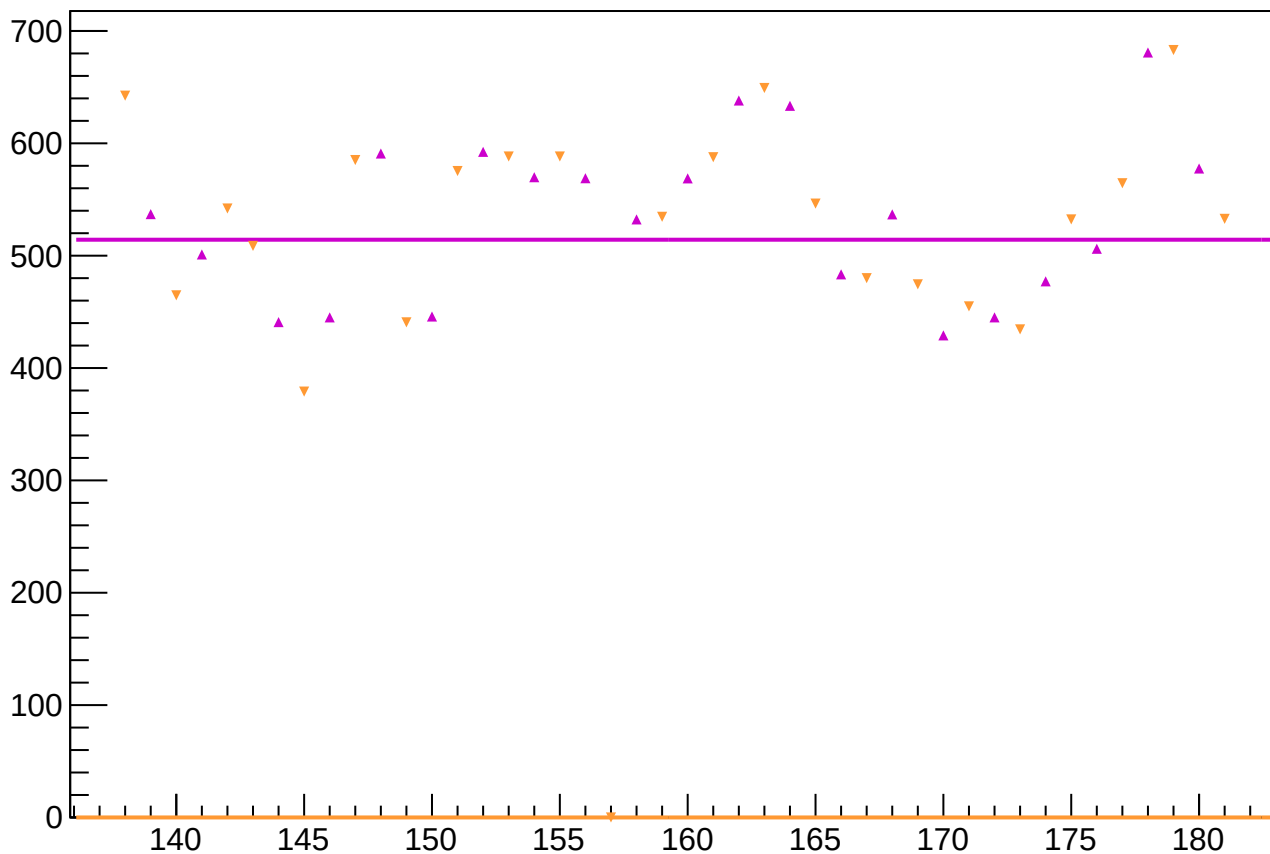
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -123.269+/-127.667 χ^2/NDF :27.0/20

Out: -0.000+/-0.000 χ^2/NDF :39.7/22

All: -0.000+/-0.000 χ^2/NDF : 67.7/43

asym_sam_26_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 0.000+/-0.000 χ^2/NDF : 33178666.2/22

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

Left In: 514.210+/-0.090 χ^2/NDF : 562960.8/20

Left: 0.000+/-0.000 χ^2/NDF : 66187151.2/43

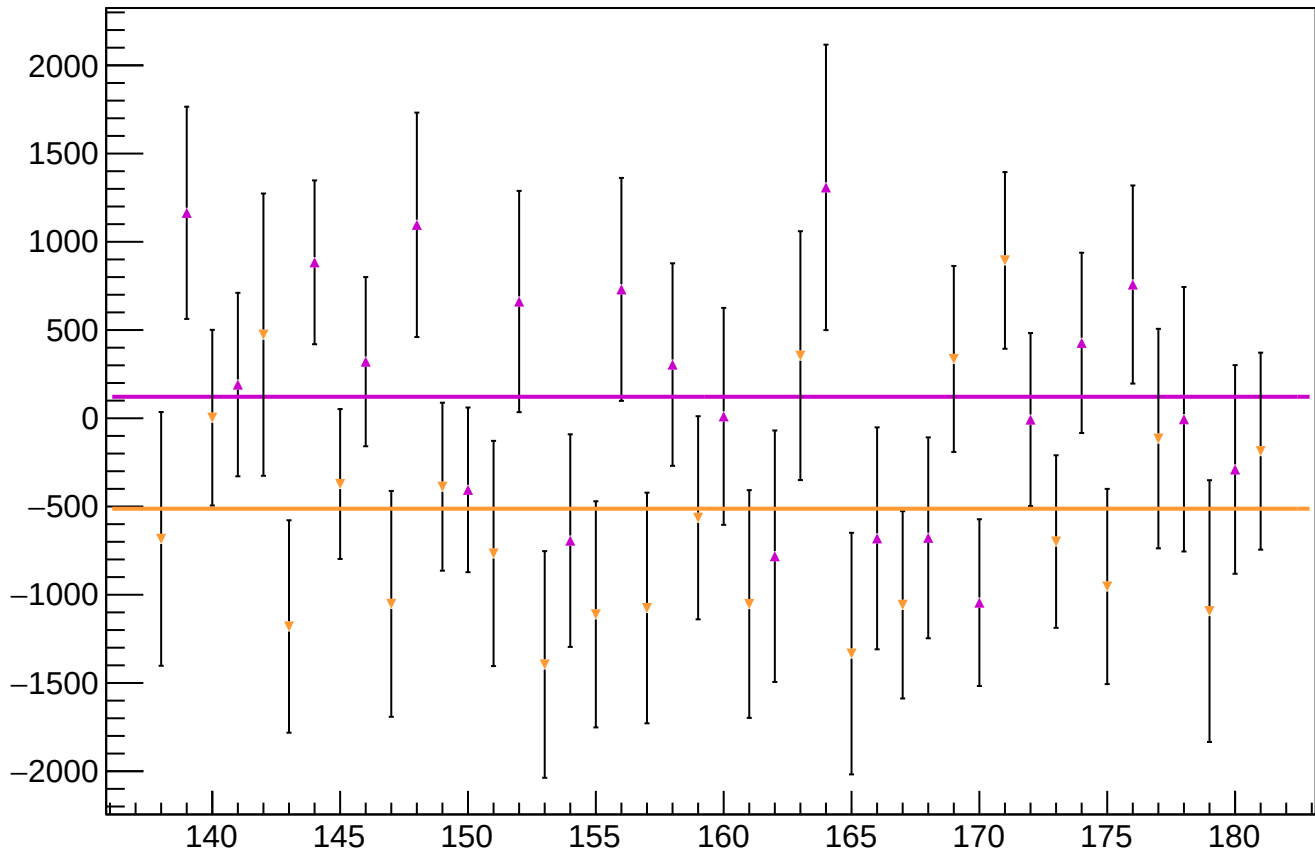
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 514.210+/-0.090 χ^2/NDF : 562960.8/20

Out: 0.000+/-0.000 χ^2/NDF : 33178666.2/22

All: 0.000+/-0.000 χ^2/NDF : 66187151.2/43

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: -512.501 $\pm$ 121.160 χ^2 /NDF:25.8/22

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

Left In: 121.887 $\pm$ 123.643 χ^2 /NDF:28.8/20

Left: -201.741 $\pm$ 86.538 χ^2 /NDF: 68.0/43

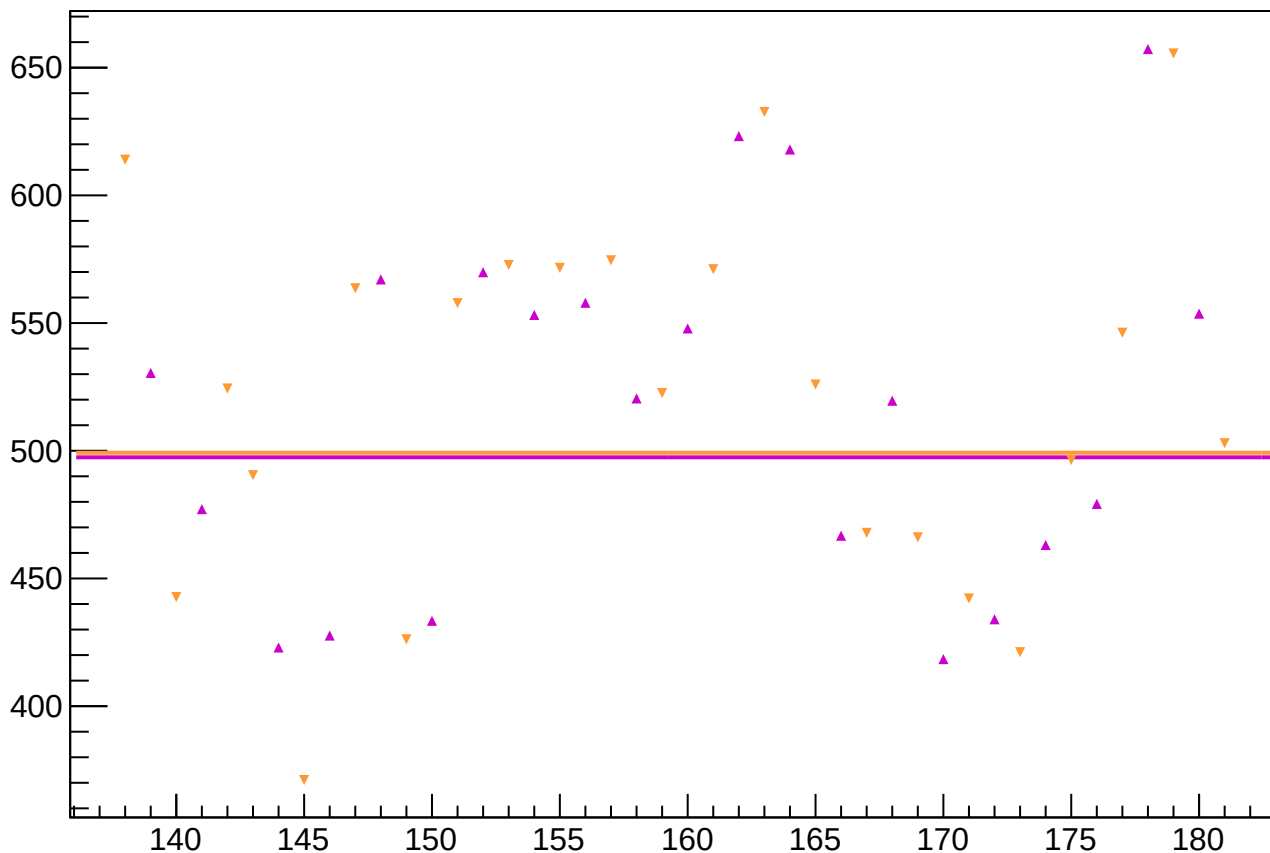
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 121.887 $\pm$ 123.643 χ^2 /NDF:28.8/20

Out: -512.501 $\pm$ 121.160 χ^2 /NDF:25.8/22

All: -201.741 $\pm$ 86.538 χ^2 /NDF: 68.0/43

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 499.237+/-0.086 χ^2/NDF : 718684.8/22

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

Left In: 497.433+/-0.087 χ^2/NDF : 567585.6/20

Left: 498.353+/-0.061 χ^2/NDF : 1286487.5/43

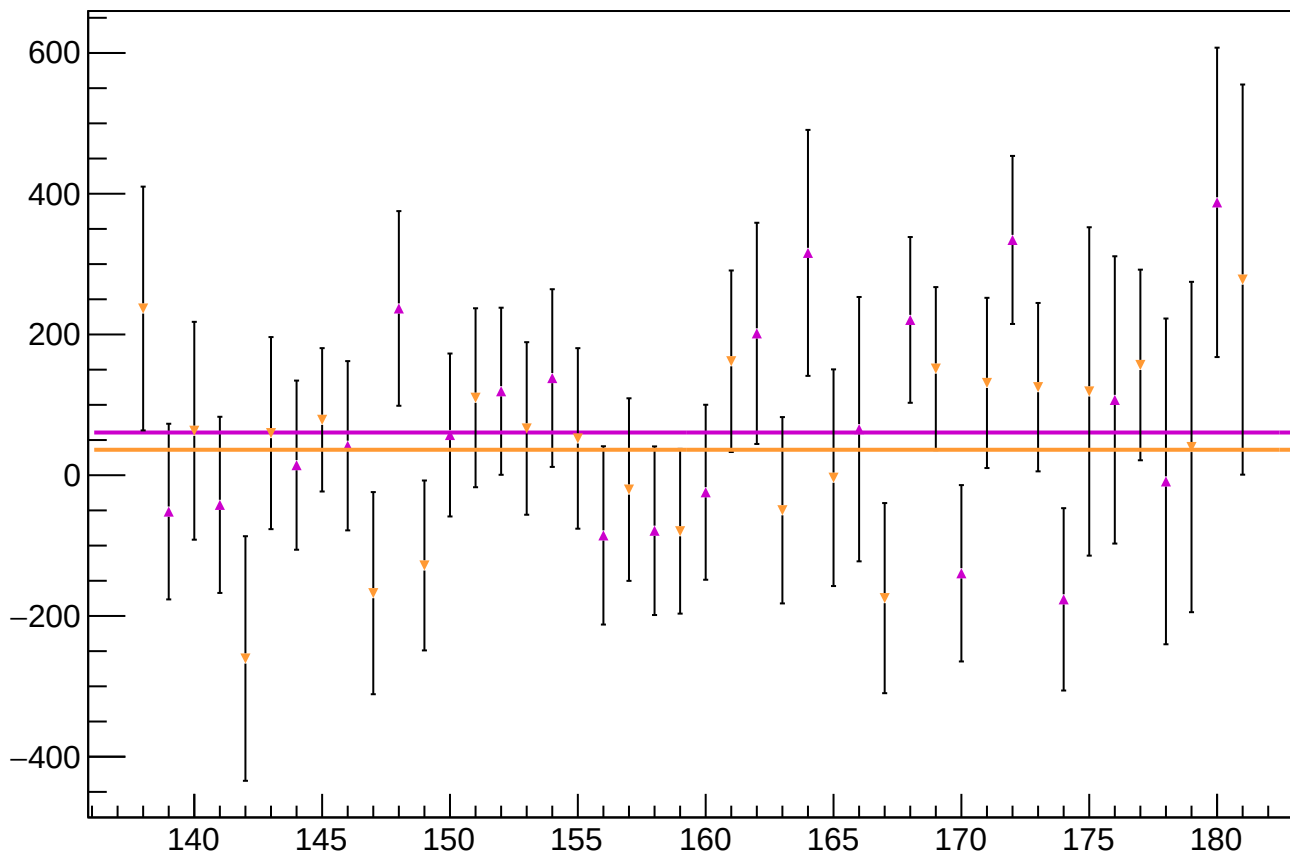
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 497.433+/-0.087 χ^2/NDF : 567585.6/20

Out: 499.237+/-0.086 χ^2/NDF : 718684.8/22

All: 498.353+/-0.061 χ^2/NDF : 1286487.5/43

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: 36.168 $\pm$ 28.538 χ^2 /NDF:17.7/22

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

Left In: 60.681 $\pm$ 29.437 χ^2 /NDF:25.3/20

Left: 48.045 $\pm$ 20.490 χ^2 /NDF: 43.4/43

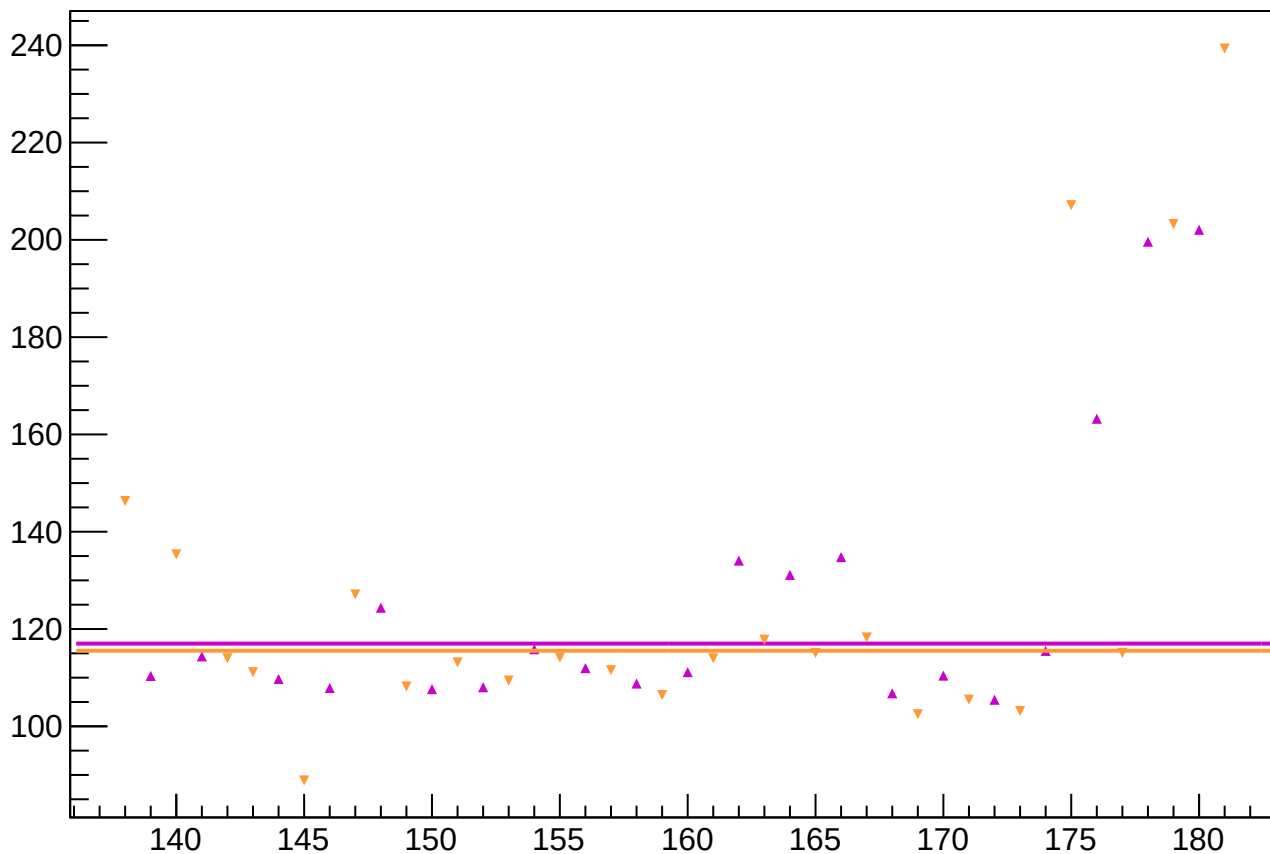
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 60.681 $\pm$ 29.437 χ^2 /NDF:25.3/20

Out: 36.168 $\pm$ 28.538 χ^2 /NDF:17.7/22

All: 48.045 $\pm$ 20.490 χ^2 /NDF: 43.4/43

dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 115.539+/-0.020 χ^2/NDF :1324155.0/22

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

Left In: 117.005+/-0.021 χ^2/NDF :823748.3/20

Left: 116.249+/-0.014 χ^2/NDF : 2150460.0/43

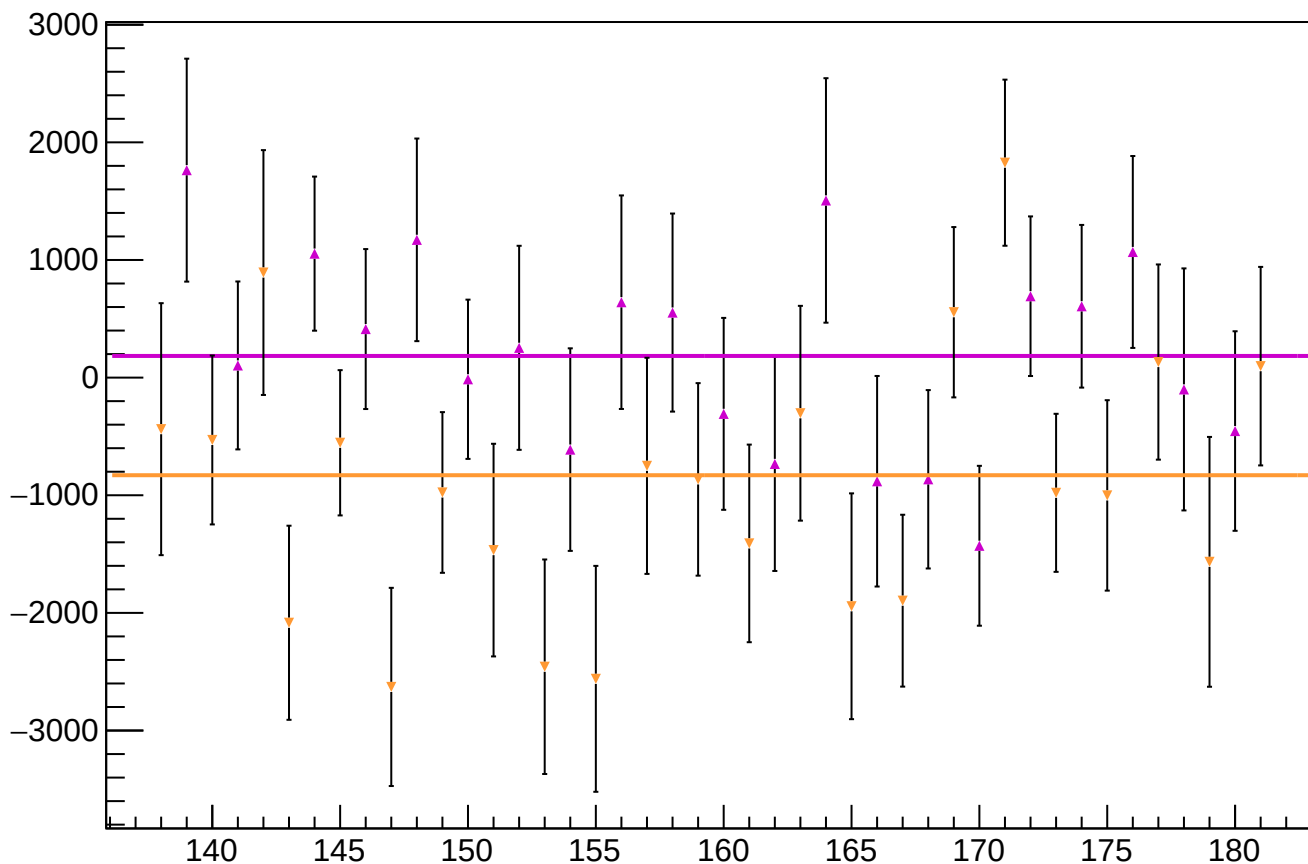
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 117.005+/-0.021 χ^2/NDF :823748.3/20

Out: 115.539+/-0.020 χ^2/NDF :1324155.0/22

All: 116.249+/-0.014 χ^2/NDF : 2150460.0/43

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -829.729 $\pm$ 170.130 χ^2 /NDF:42.4/22

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

Left In: 184.205 $\pm$ 173.294 χ^2 /NDF:22.1/20

Left: -332.103 $\pm$ 121.403 χ^2 /NDF: 81.9/43

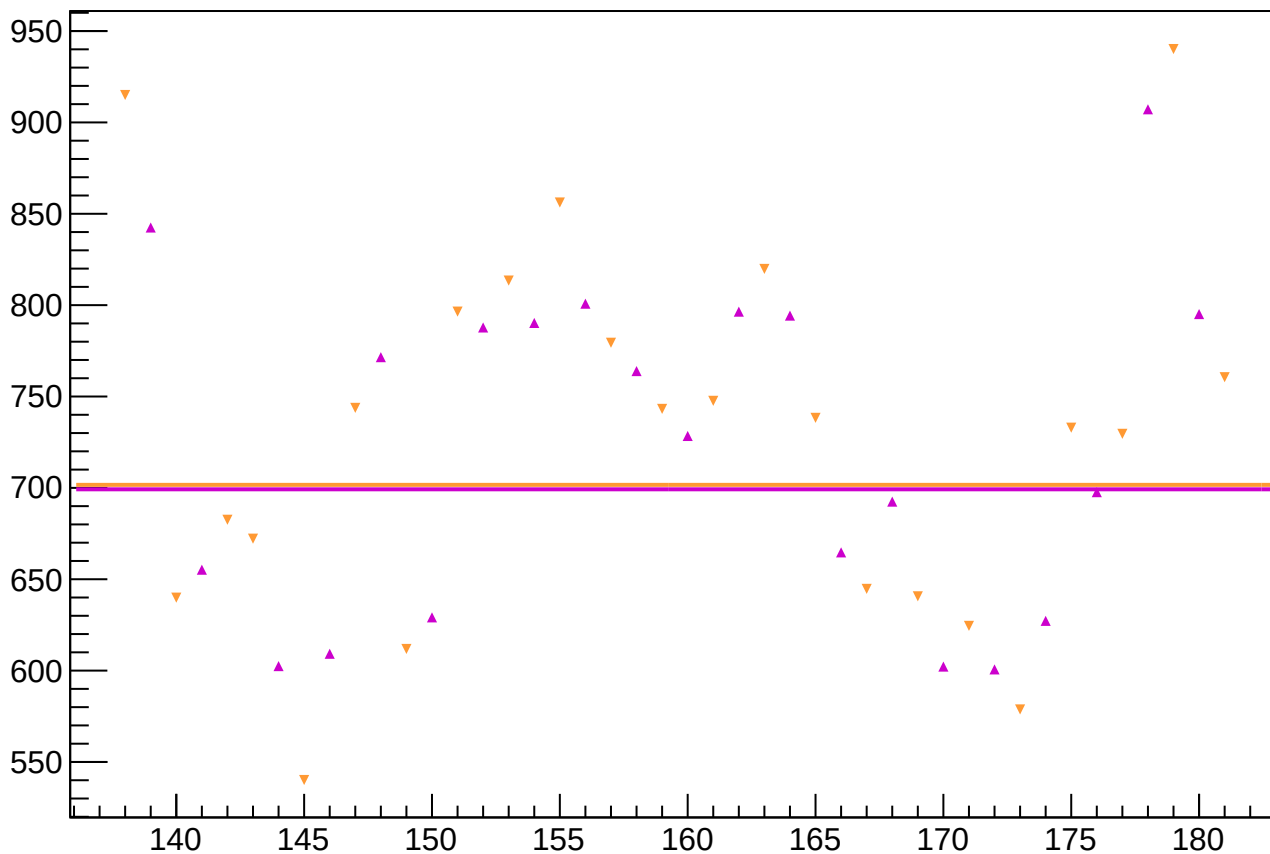
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 184.205 $\pm$ 173.294 χ^2 /NDF:22.1/20

Out: -829.729 $\pm$ 170.130 χ^2 /NDF:42.4/22

All: -332.103 $\pm$ 121.403 χ^2 /NDF: 81.9/43

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 701.654+/-0.120 χ^2/NDF : 672718.1/22

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

Left In: 699.215+/-0.123 χ^2/NDF : 504879.7/20

Left: 700.457+/-0.086 χ^2/NDF : 1177799.6/43

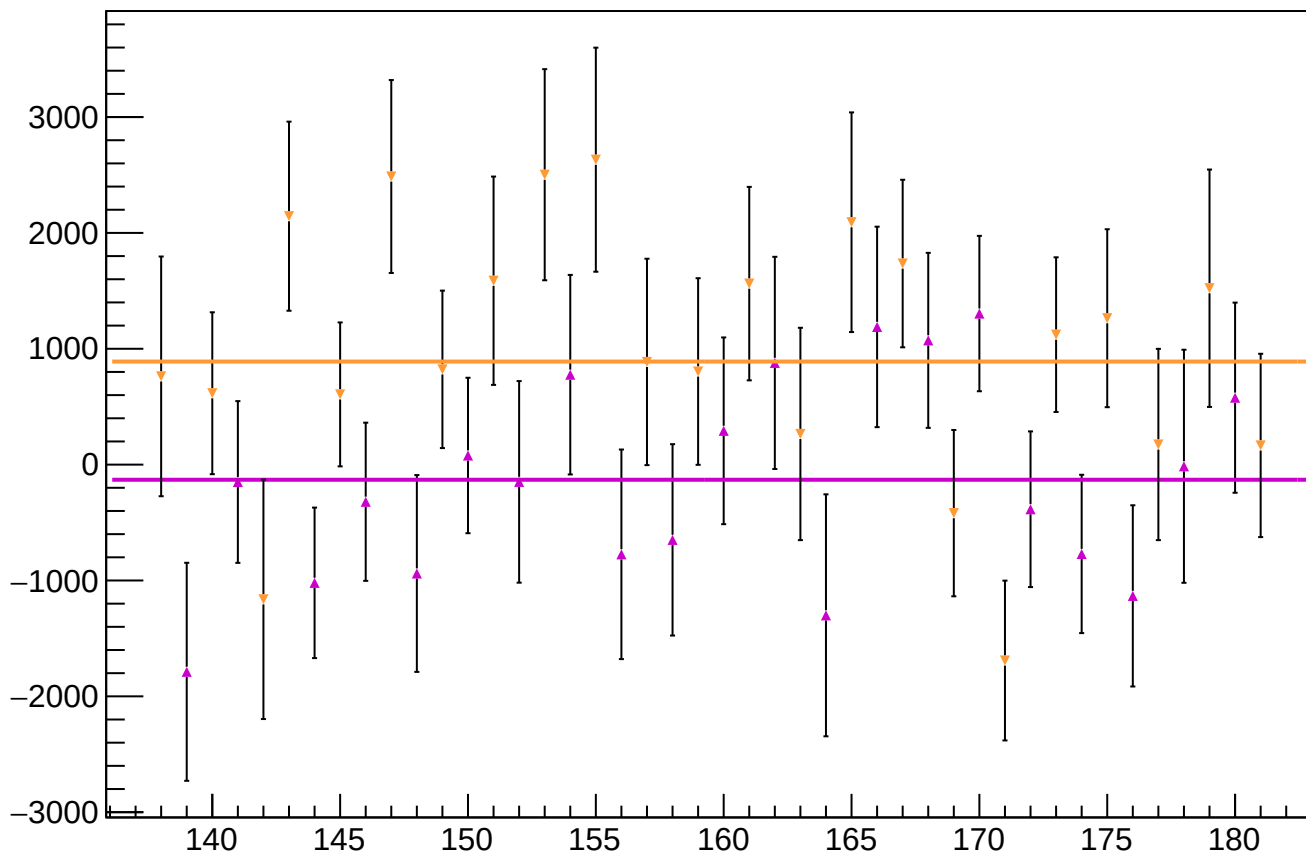
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 699.215+/-0.123 χ^2/NDF : 504879.7/20

Out: 701.654+/-0.120 χ^2/NDF : 672718.1/22

All: 700.457+/-0.086 χ^2/NDF : 1177799.6/43

asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 889.741+/-167.635 χ^2/NDF :41.1/22

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

Left In: -130.523+/-171.265 χ^2/NDF :23.7/20

Left: 390.537+/-119.799 χ^2/NDF : 82.9/43

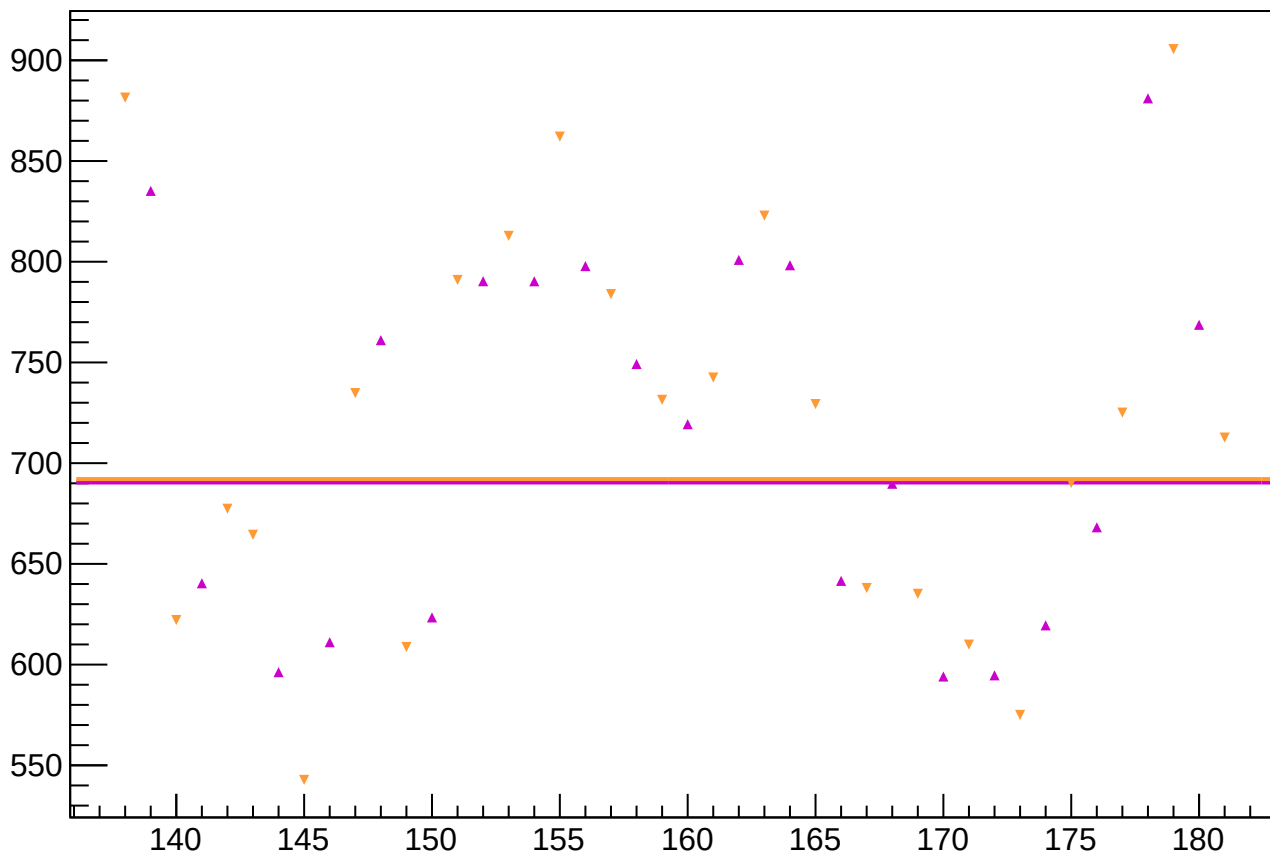
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -130.523+/-171.265 χ^2/NDF :23.7/20

Out: 889.741+/-167.635 χ^2/NDF :41.1/22

All: 390.537+/-119.799 χ^2/NDF : 82.9/43

asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 692.085+/-0.119 χ^2/NDF :644108.1/22

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

Left In: 690.406+/-0.121 χ^2/NDF :506641.0/20

Left: 691.264+/-0.085 χ^2/NDF : 1150847.3/43

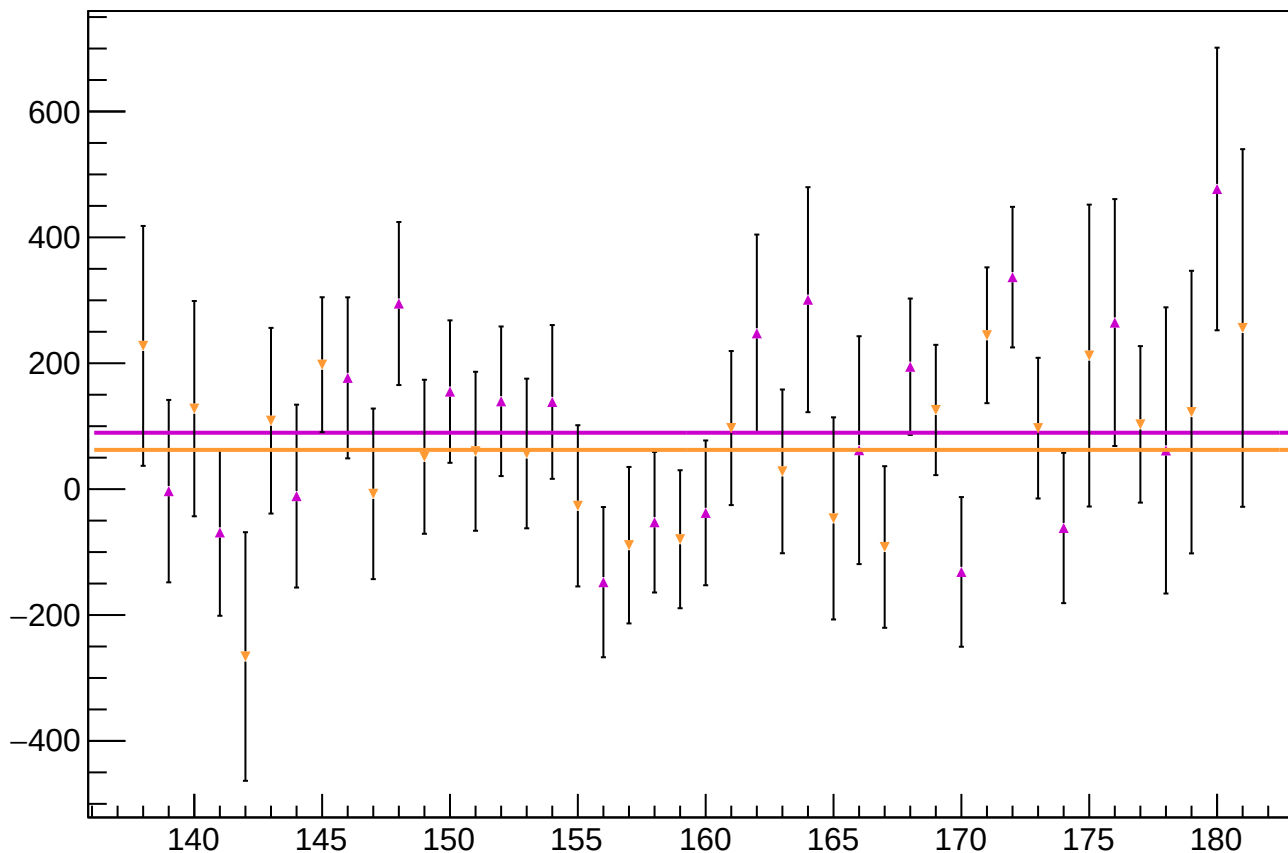
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 690.406+/-0.121 χ^2/NDF :506641.0/20

Out: 692.085+/-0.119 χ^2/NDF :644108.1/22

All: 691.264+/-0.085 χ^2/NDF : 1150847.3/43

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: 62.396 $\pm$ 27.918 χ^2 /NDF:15.7/22

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

Left In: 89.600 $\pm$ 29.007 χ^2 /NDF:29.9/20

Left: 75.478 $\pm$ 20.115 χ^2 /NDF: 46.0/43

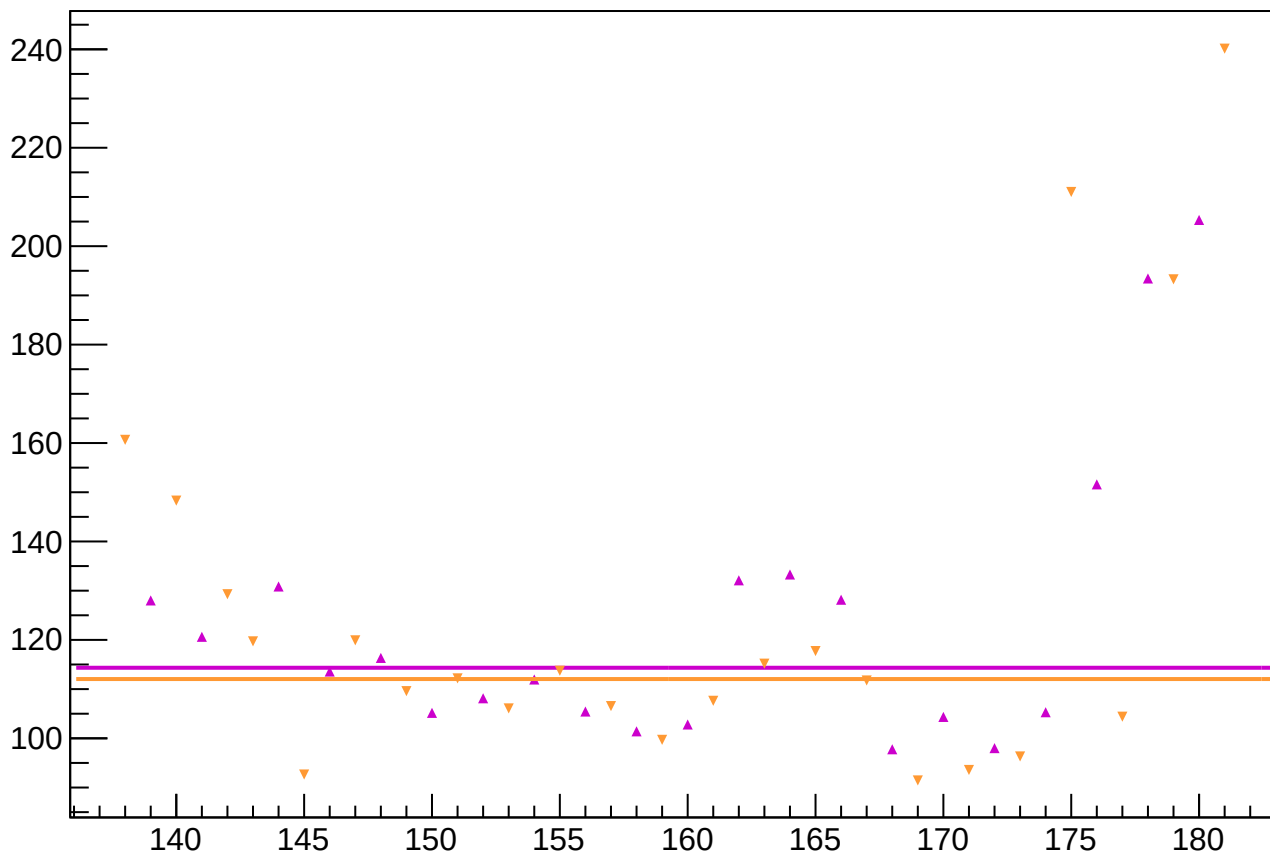
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 89.600 $\pm$ 29.007 χ^2 /NDF:29.9/20

Out: 62.396 $\pm$ 27.918 χ^2 /NDF:15.7/22

All: 75.478 $\pm$ 20.115 χ^2 /NDF: 46.0/43

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 112.045+/-0.020 χ^2/NDF :1548798.5/22

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

Left In: 114.338+/-0.021 χ^2/NDF :943693.7/20

Left: 113.148+/-0.014 χ^2/NDF : 2498979.1/43

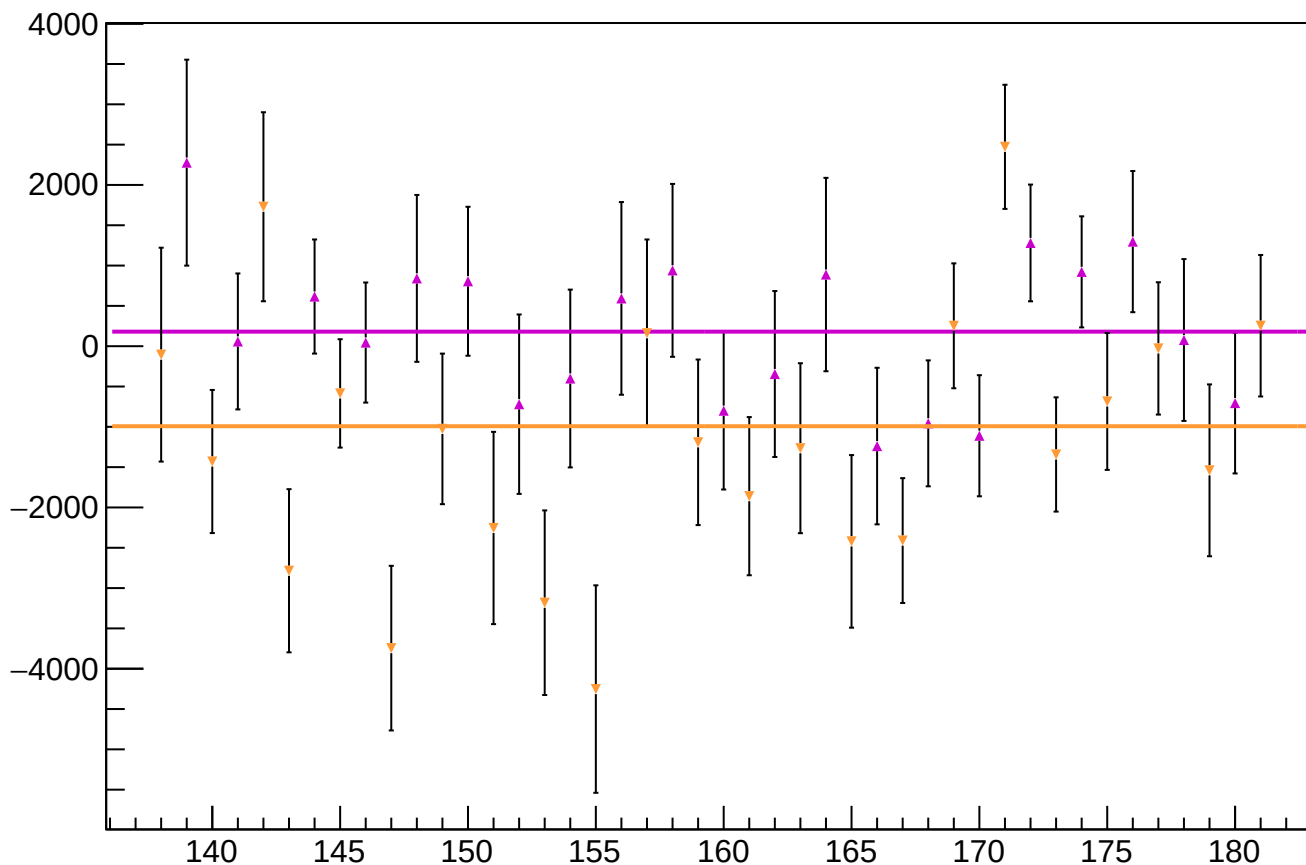
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 114.338+/-0.021 χ^2/NDF :943693.7/20

Out: 112.045+/-0.020 χ^2/NDF :1548798.5/22

All: 113.148+/-0.014 χ^2/NDF : 2498979.1/43

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -992.411 $\pm$ 194.249 χ^2 /NDF:62.0/22

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

Left In: 180.501 $\pm$ 196.445 χ^2 /NDF:20.5/20

Left: -412.548 $\pm$ 138.125 χ^2 /NDF: 100.5/43

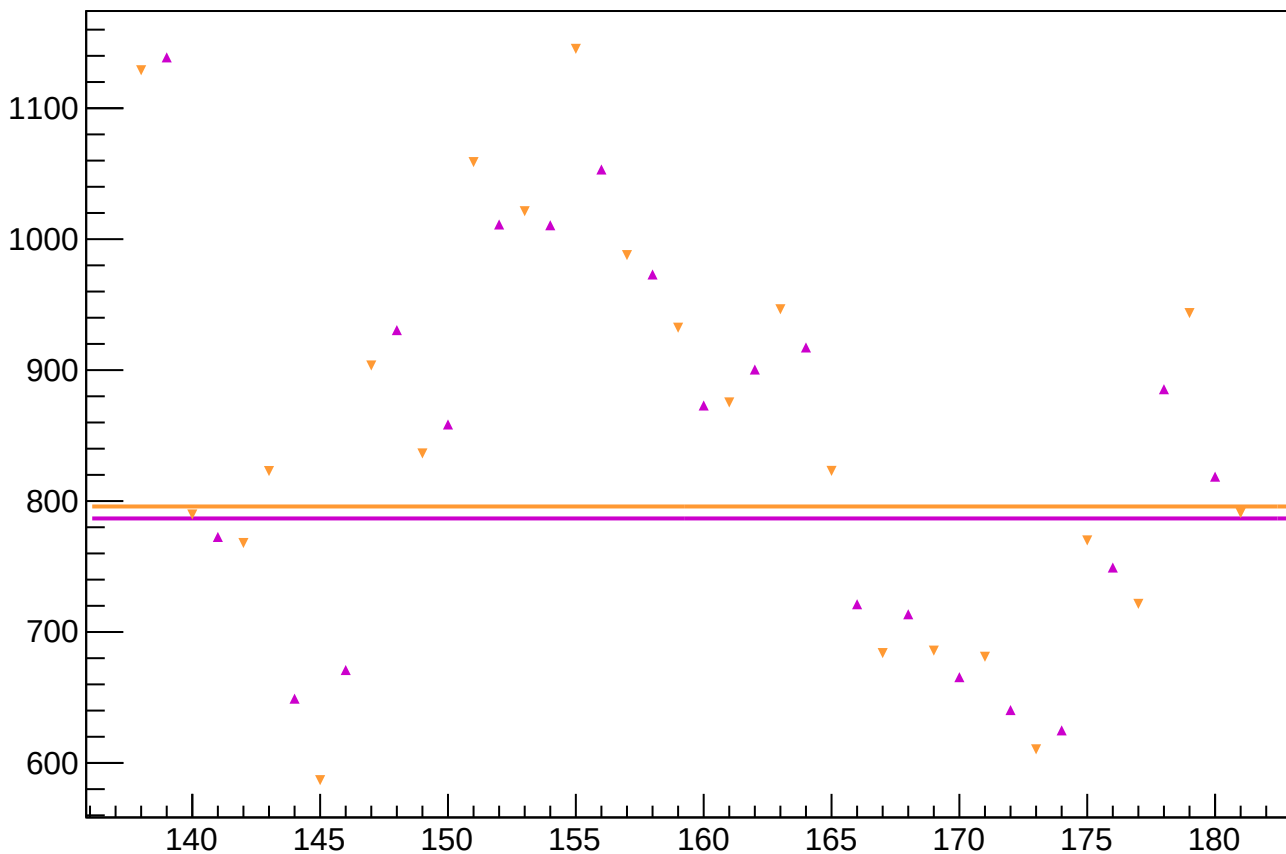
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 180.501 $\pm$ 196.445 χ^2 /NDF:20.5/20

Out: -992.411 $\pm$ 194.249 χ^2 /NDF:62.0/22

All: -412.548 $\pm$ 138.125 χ^2 /NDF: 100.5/43

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 795.861+/-0.137 χ^2/NDF :1136334.8/22

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

Left In: 786.719+/-0.139 χ^2/NDF :1011320.7/20

Left: 791.341+/-0.098 χ^2/NDF : 2149845.3/43

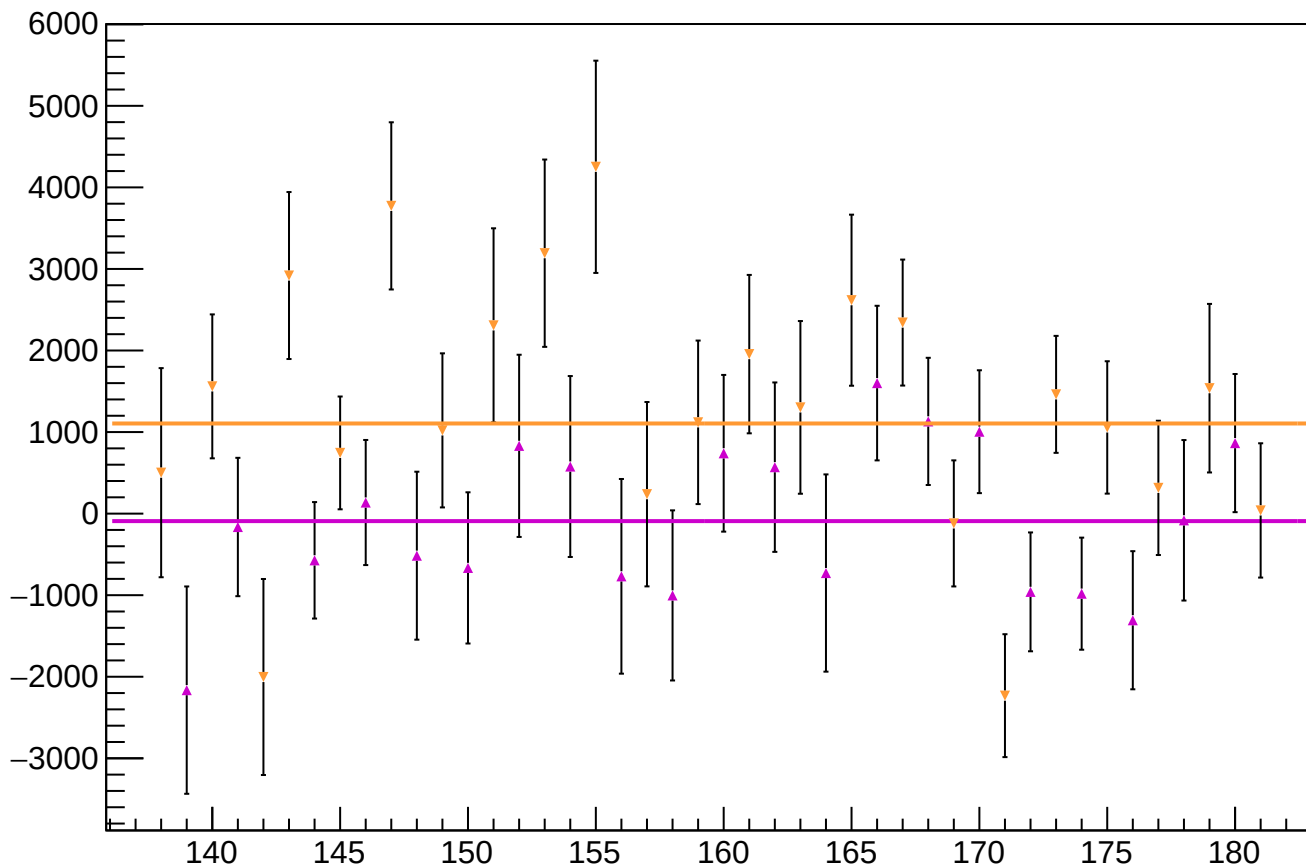
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 786.719+/-0.139 χ^2/NDF :1011320.7/20

Out: 795.861+/-0.137 χ^2/NDF :1136334.8/22

All: 791.341+/-0.098 χ^2/NDF : 2149845.3/43

asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 1105.173+/-192.950 χ^2/NDF :58.7/22

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

Left In: -91.765+/-195.923 χ^2/NDF :21.5/20

Left: 515.854+/-137.475 χ^2/NDF : 99.2/43

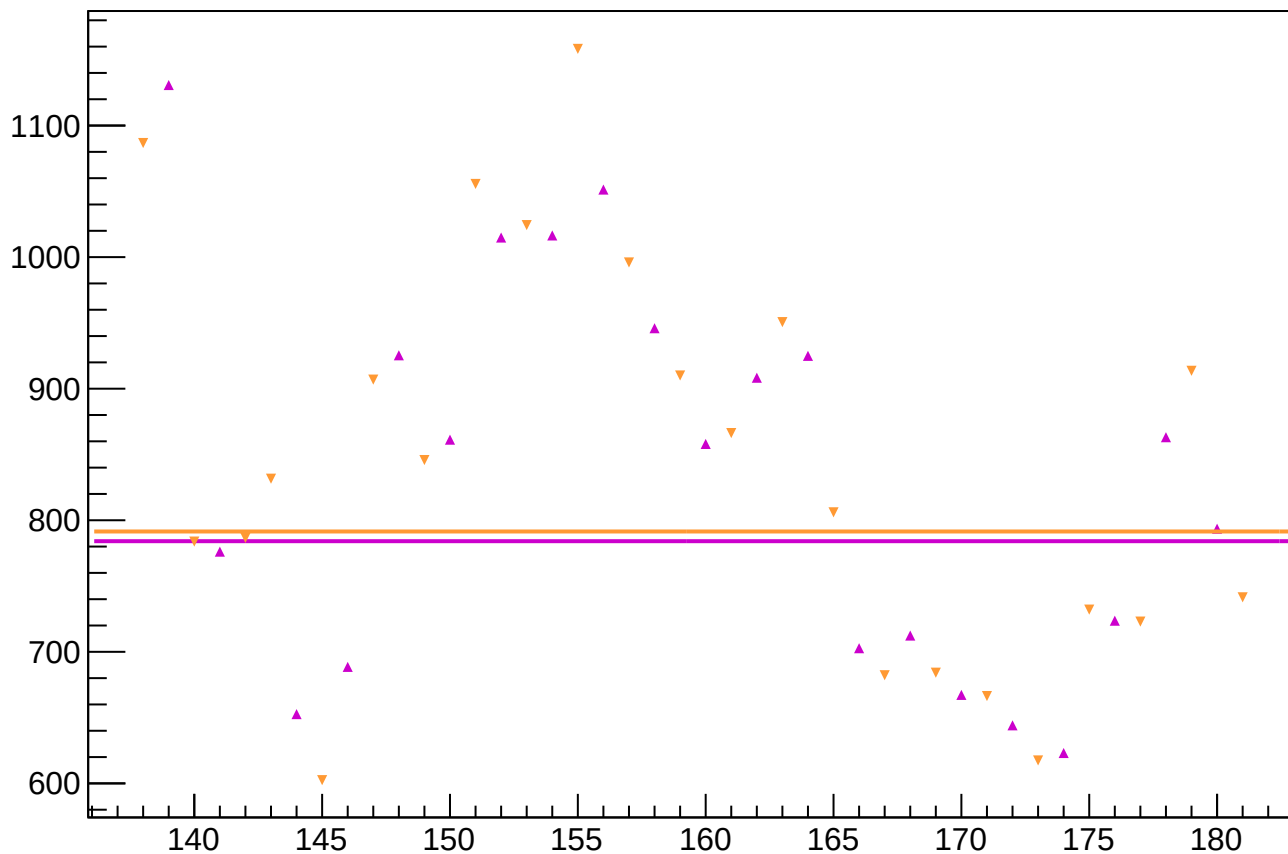
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -91.765+/-195.923 χ^2/NDF :21.5/20

Out: 1105.173+/-192.950 χ^2/NDF :58.7/22

All: 515.854+/-137.475 χ^2/NDF : 99.2/43

asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 791.473+/-0.136 χ^2/NDF :1092687.1/22

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

Left In: 784.094+/-0.139 χ^2/NDF :975246.0/20

Left: 787.840+/-0.097 χ^2/NDF : 2069373.2/43

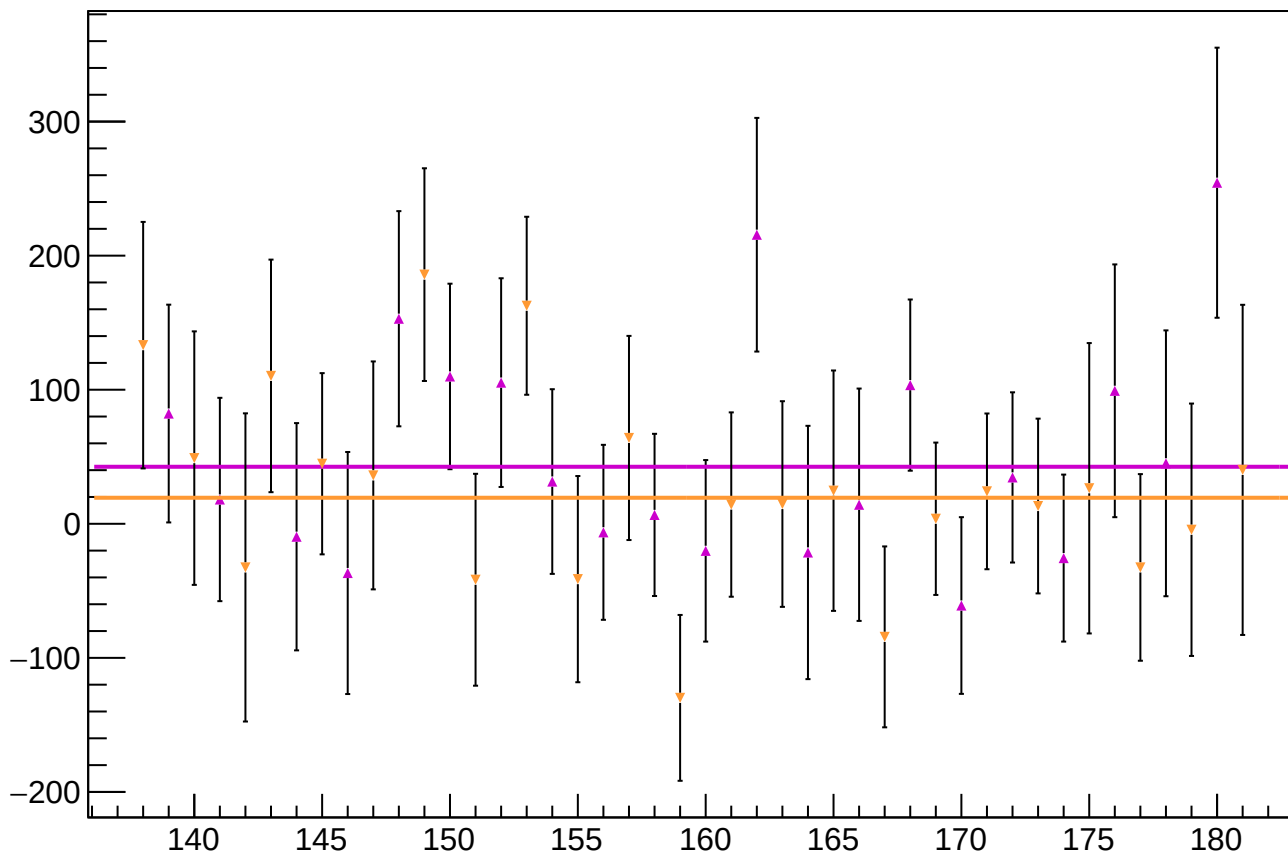
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 784.094+/-0.139 χ^2/NDF :975246.0/20

Out: 791.473+/-0.136 χ^2/NDF :1092687.1/22

All: 787.840+/-0.097 χ^2/NDF : 2069373.2/43

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: 19.423 $\pm$ 15.845 χ^2 /NDF:22.7/22

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

Left In: 42.539 $\pm$ 16.384 χ^2 /NDF:20.7/20

Left: 30.594 $\pm$ 11.390 χ^2 /NDF: 44.4/43

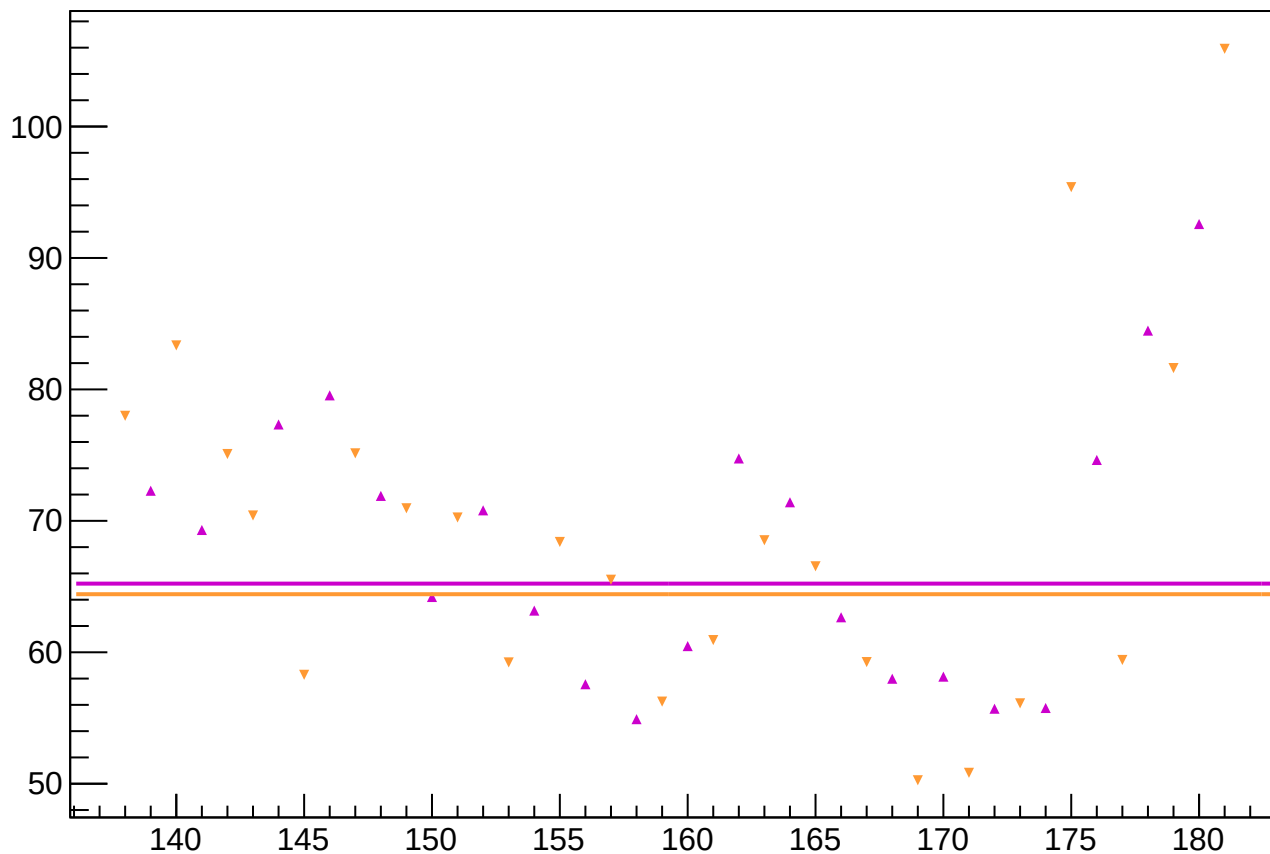
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 42.539 $\pm$ 16.384 χ^2 /NDF:20.7/20

Out: 19.423 $\pm$ 15.845 χ^2 /NDF:22.7/22

All: 30.594 $\pm$ 11.390 χ^2 /NDF: 44.4/43

dit_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 64.419+/-0.011 χ^2/NDF :1033848.1/22

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

Left In: 65.224+/-0.012 χ^2/NDF :650851.4/20

Left: 64.808+/-0.008 χ^2/NDF : 1687196.9/43

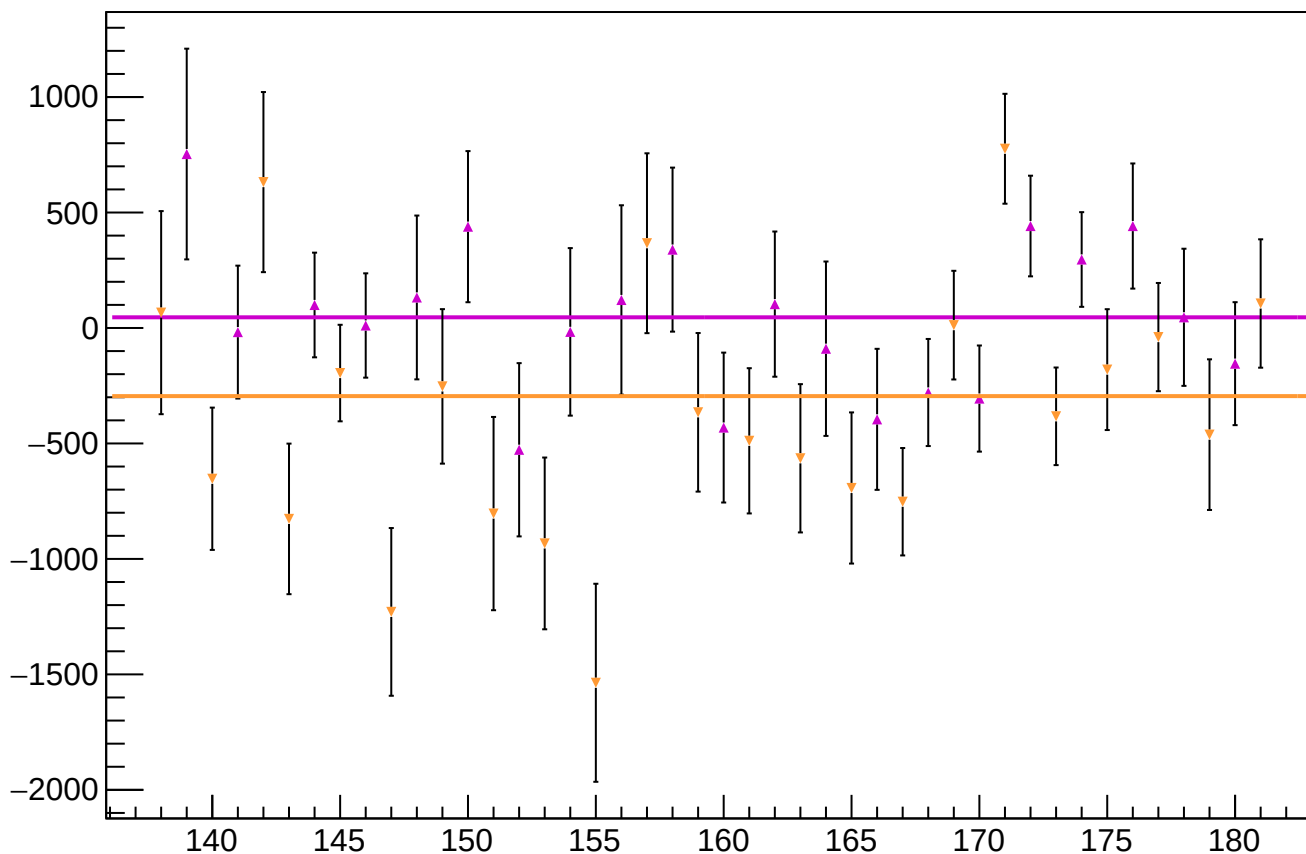
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 65.224+/-0.012 χ^2/NDF :650851.4/20

Out: 64.419+/-0.011 χ^2/NDF :1033848.1/22

All: 64.808+/-0.008 χ^2/NDF : 1687196.9/43

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -295.028+/-61.373 χ^2/NDF :65.2/22

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

Left In: 46.211+/-61.942 χ^2/NDF :23.3/20

Left: -125.983+/-43.597 χ^2/NDF : 103.9/43

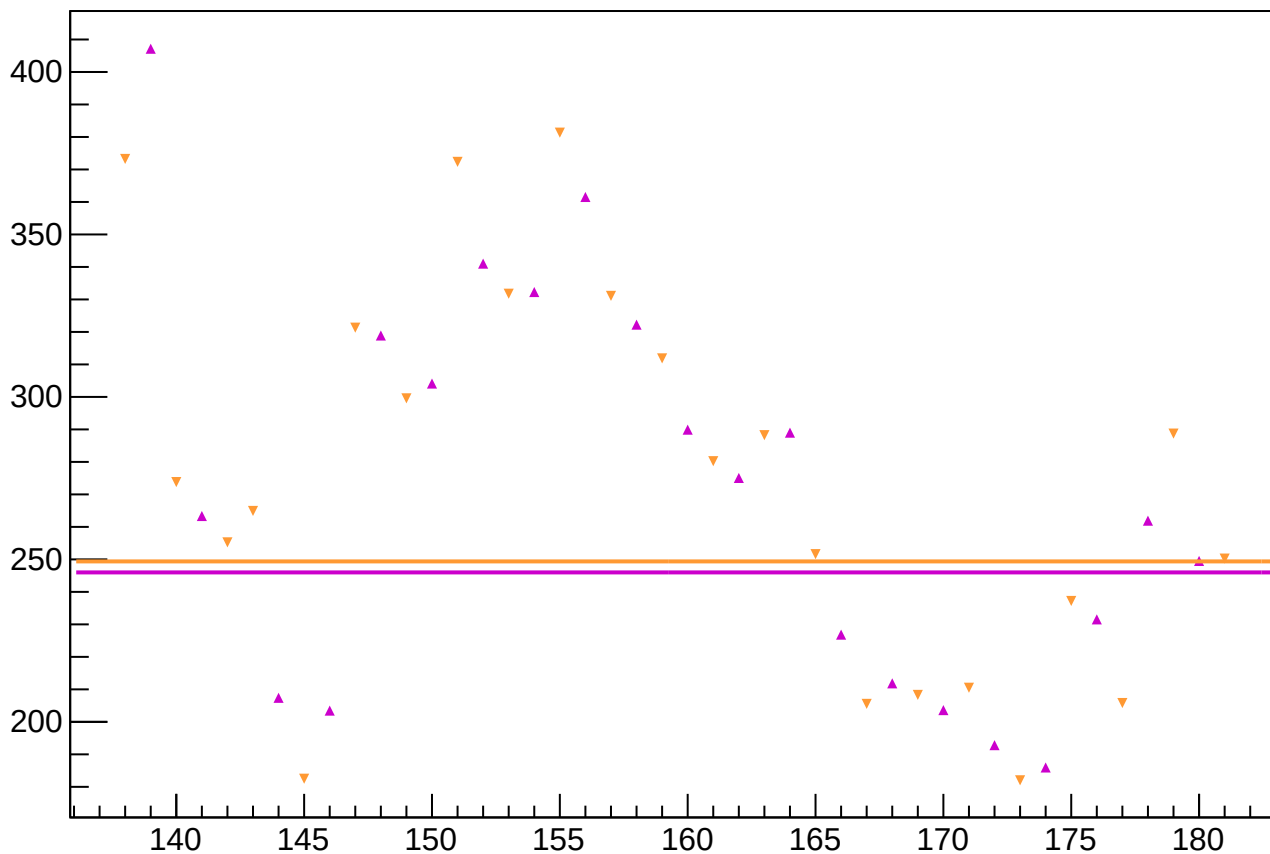
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 46.211+/-61.942 χ^2/NDF :23.3/20

Out: -295.028+/-61.373 χ^2/NDF :65.2/22

All: -125.983+/-43.597 χ^2/NDF : 103.9/43

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 249.380+/-0.043 χ^2/NDF :1659052.4/22

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

Left In: 245.993+/-0.044 χ^2/NDF :1527067.3/20

Left: 247.702+/-0.031 χ^2/NDF : 3189137.2/43

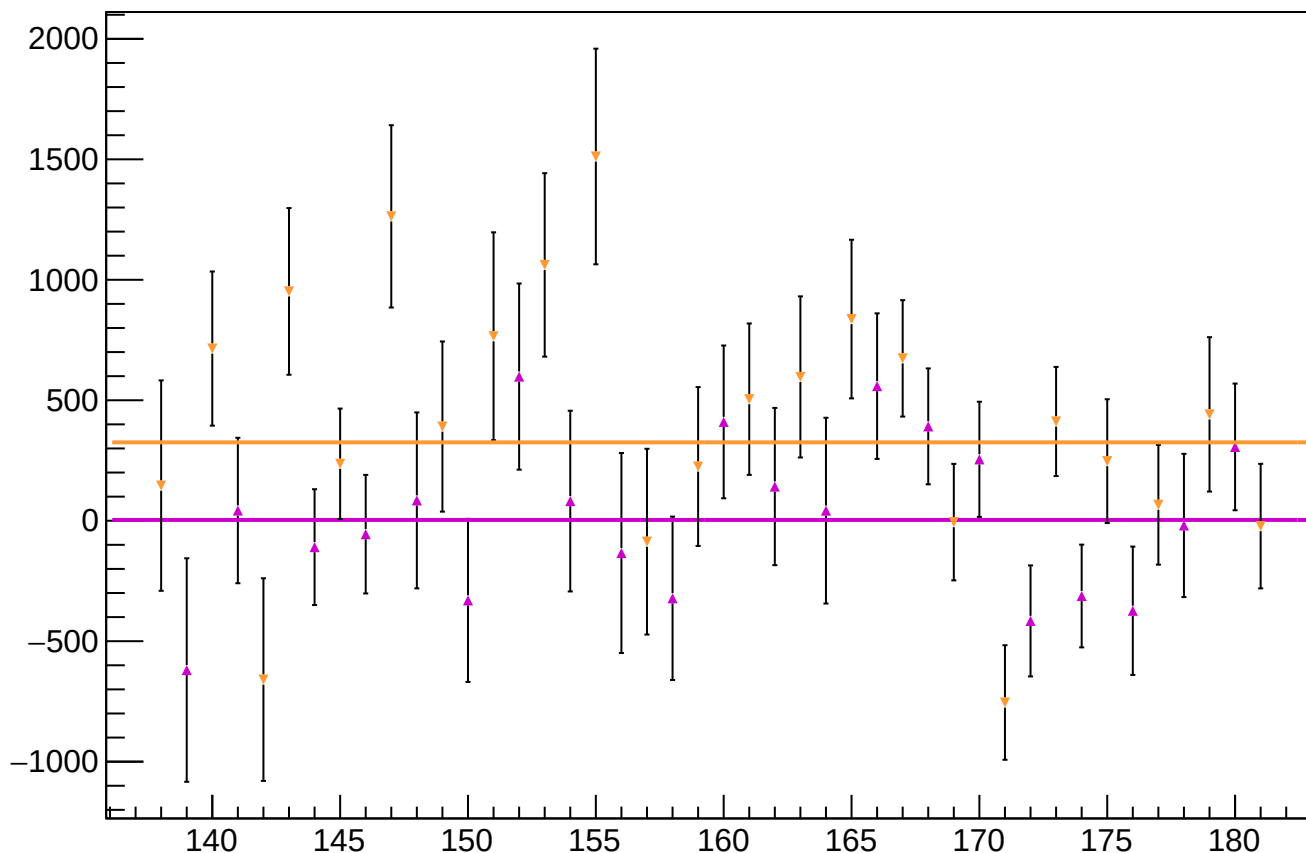
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 245.993+/-0.044 χ^2/NDF :1527067.3/20

Out: 249.380+/-0.043 χ^2/NDF :1659052.4/22

All: 247.702+/-0.031 χ^2/NDF : 3189137.2/43

asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 325.307+/-62.987 χ^2/NDF :61.0/22

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

Left In: 3.312+/-63.690 χ^2/NDF :24.3/20

Left: 166.096+/-44.785 χ^2/NDF : 98.3/43

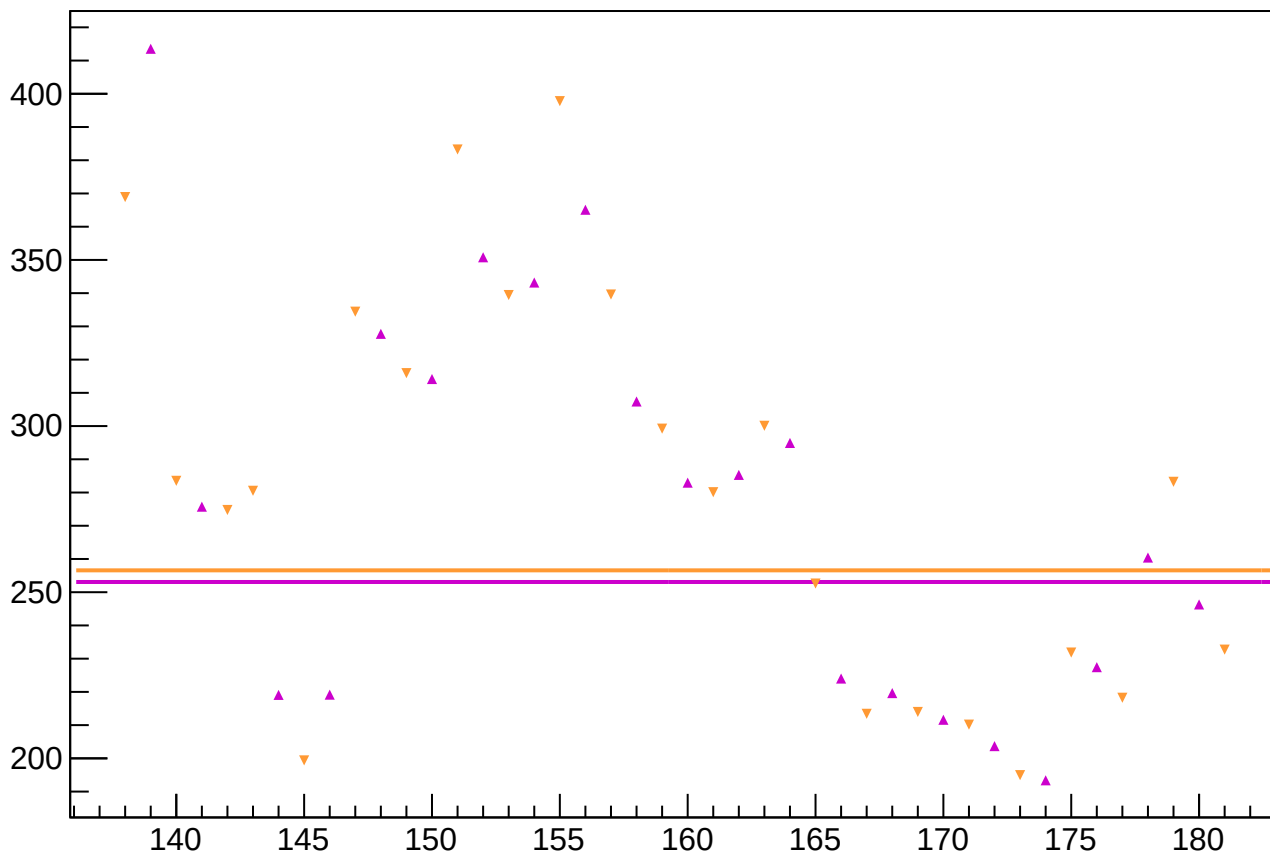
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 3.312+/-63.690 χ^2/NDF :24.3/20

Out: 325.307+/-62.987 χ^2/NDF :61.0/22

All: 166.096+/-44.785 χ^2/NDF : 98.3/43

asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 256.578+/-0.045 χ^2/NDF :1510941.0/22

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

Left In: 253.076+/-0.045 χ^2/NDF :1365800.1/20

Left: 254.846+/-0.032 χ^2/NDF : 2879797.8/43

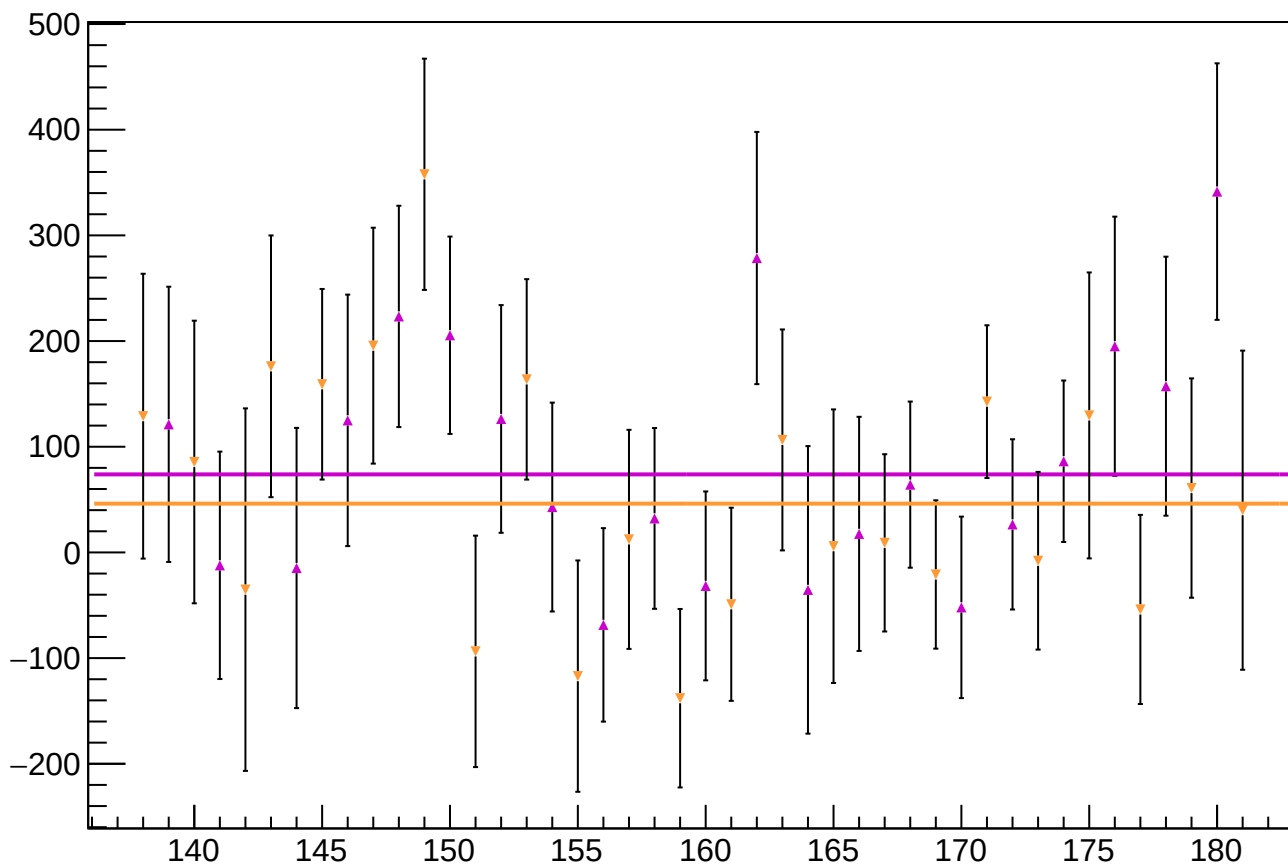
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 253.076+/-0.045 χ^2/NDF :1365800.1/20

Out: 256.578+/-0.045 χ^2/NDF :1510941.0/22

All: 254.846+/-0.032 χ^2/NDF : 2879797.8/43

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: 46.169 $\pm$ 20.972 χ^2 /NDF:30.0/22

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

Left In: 73.838 $\pm$ 21.935 χ^2 /NDF:22.5/20

Left: 59.383 $\pm$ 15.158 χ^2 /NDF: 53.3/43

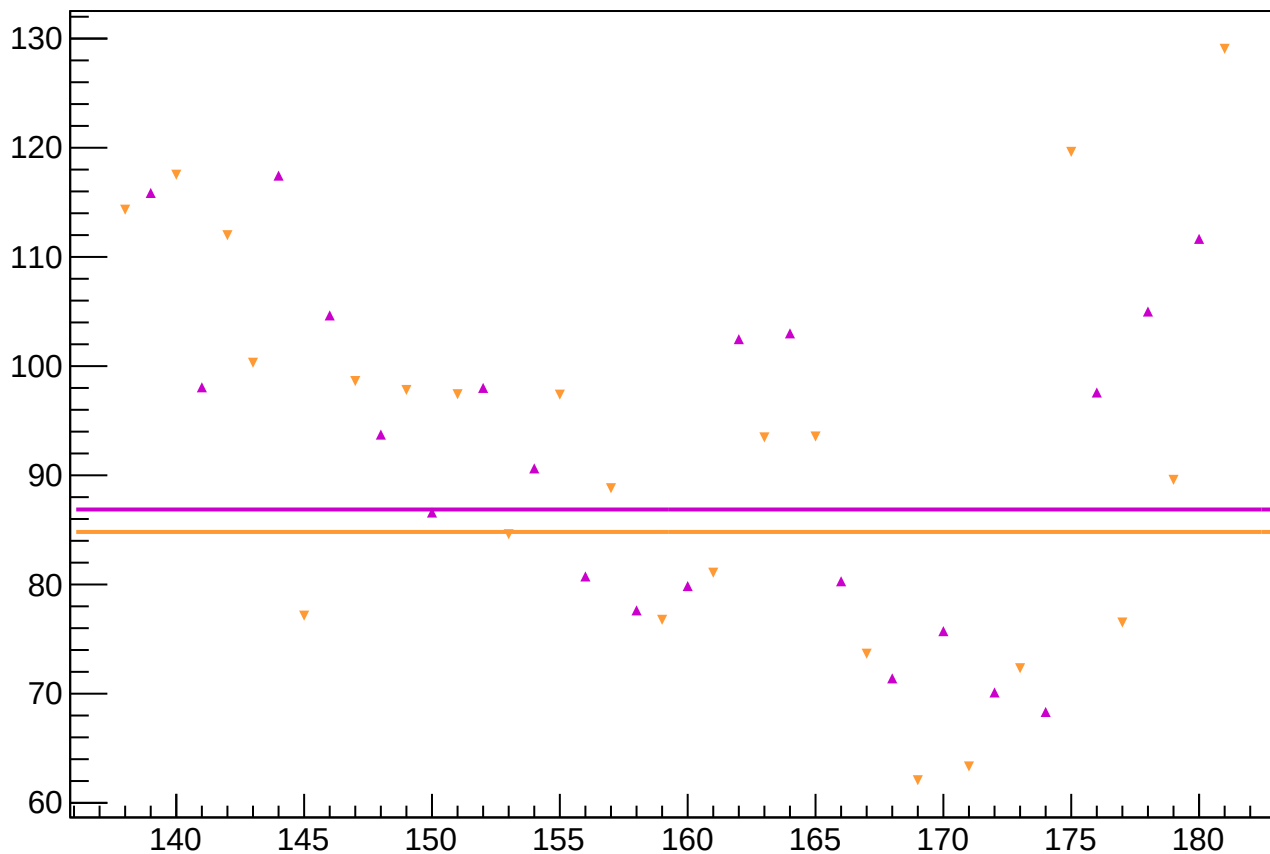
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 73.838 $\pm$ 21.935 χ^2 /NDF:22.5/20

Out: 46.169 $\pm$ 20.972 χ^2 /NDF:30.0/22

All: 59.383 $\pm$ 15.158 χ^2 /NDF: 53.3/43

dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 84.813+/-0.015 χ^2/NDF :1262458.2/22

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

Left In: 86.868+/-0.016 χ^2/NDF :876640.2/20

Left: 85.795+/-0.011 χ^2/NDF : 2148271.9/43

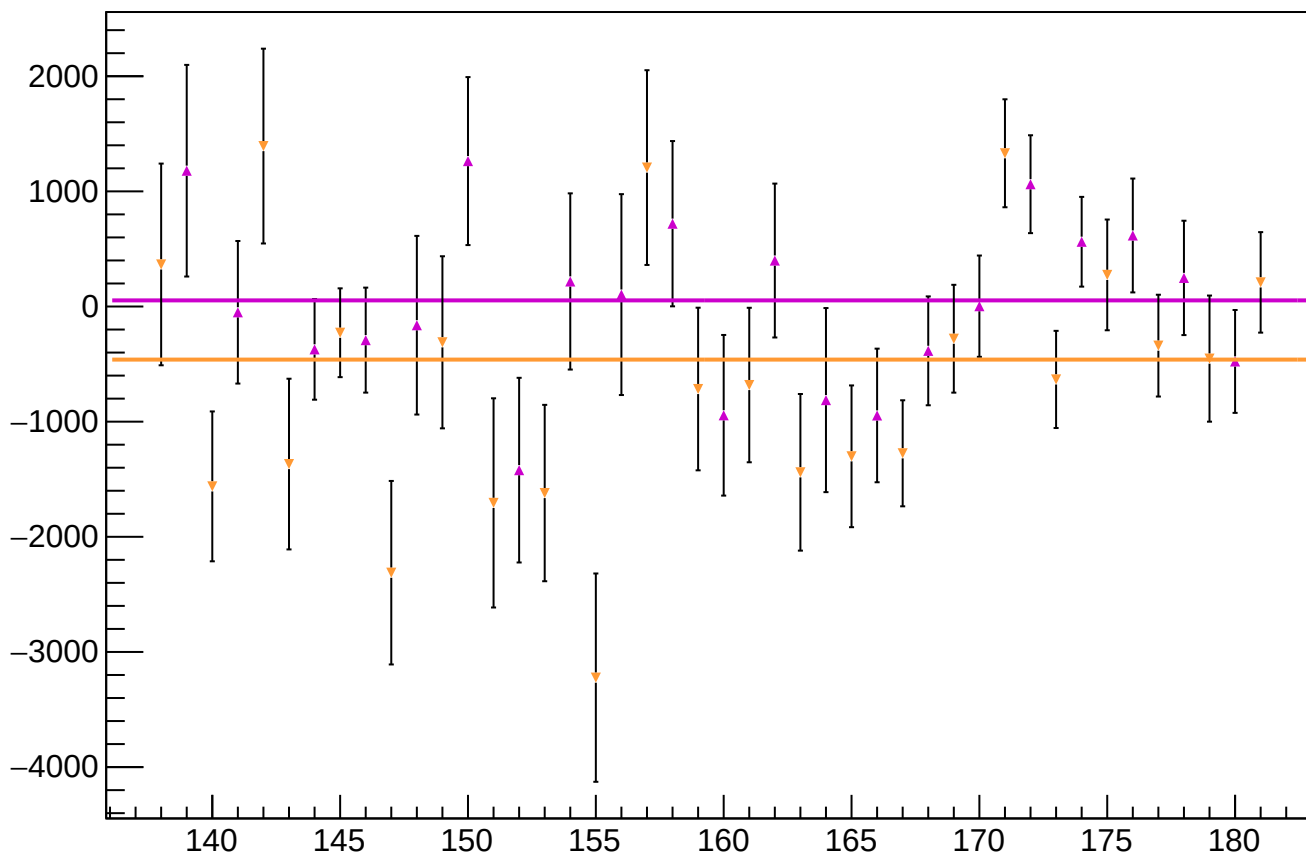
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 86.868+/-0.016 χ^2/NDF :876640.2/20

Out: 84.813+/-0.015 χ^2/NDF :1262458.2/22

All: 85.795+/-0.011 χ^2/NDF : 2148271.9/43

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -461.003+/-120.378 χ^2/NDF :60.2/22

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

Left In: 53.186+/-121.583 χ^2/NDF :27.7/20

Left: -206.470+/-85.543 χ^2/NDF : 97.0/43

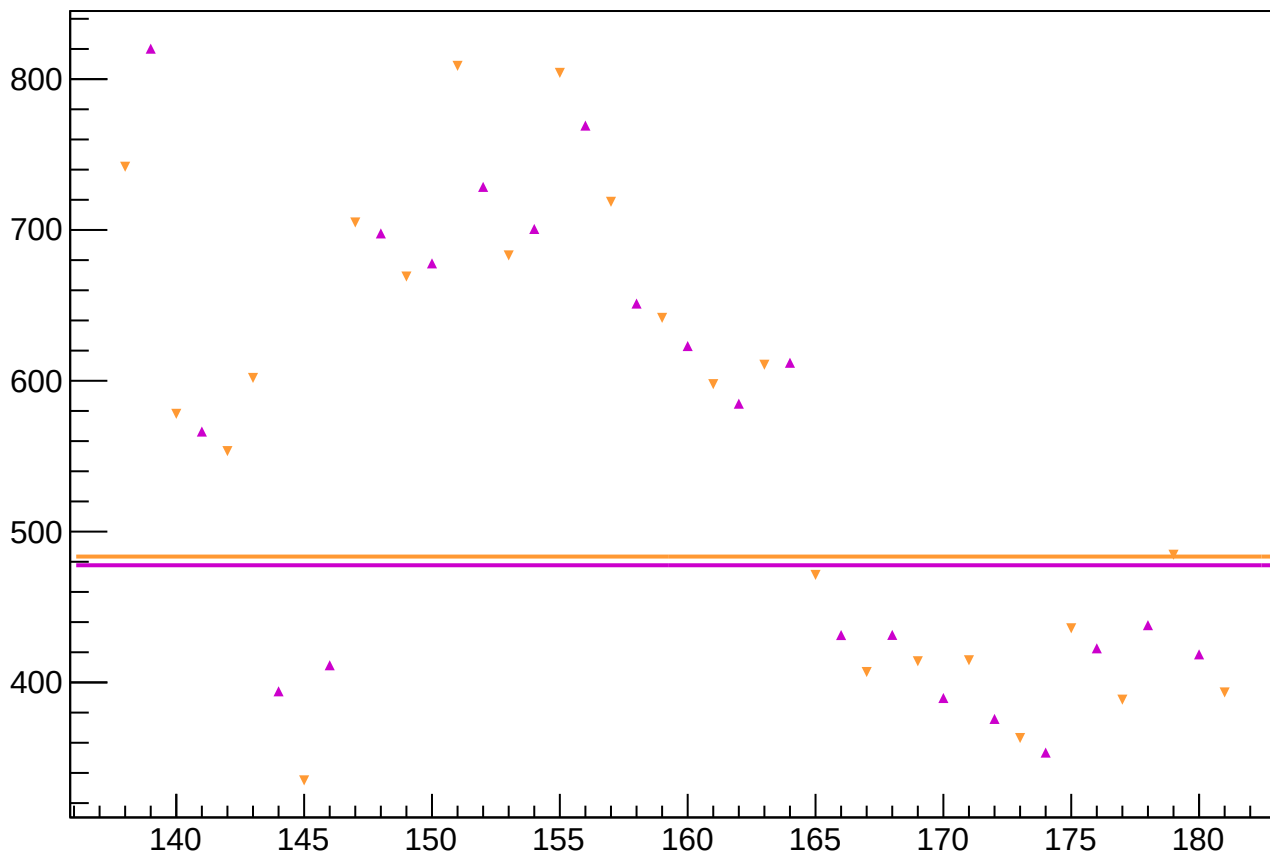
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 53.186+/-121.583 χ^2/NDF :27.7/20

Out: -461.003+/-120.378 χ^2/NDF :60.2/22

All: -206.470+/-85.543 χ^2/NDF : 97.0/43

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 483.452+/-0.085 χ^2/NDF :2385003.9/22

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

Left In: 477.683+/-0.086 χ^2/NDF :2148730.2/20

Left: 480.596+/-0.060 χ^2/NDF : 4536007.7/43

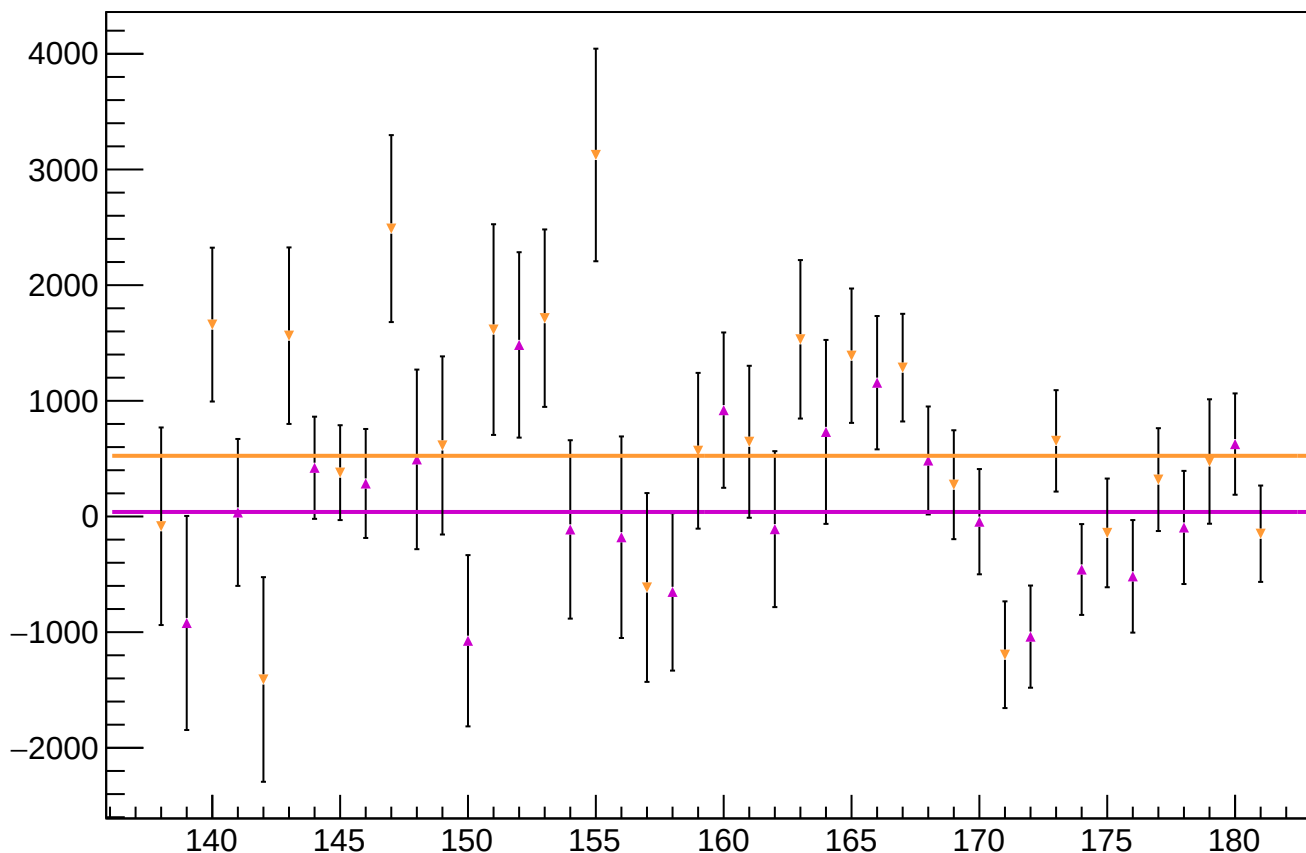
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 477.683+/-0.086 χ^2/NDF :2148730.2/20

Out: 483.452+/-0.085 χ^2/NDF :2385003.9/22

All: 480.596+/-0.060 χ^2/NDF : 4536007.7/43

asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 524.698+/-120.529 χ^2/NDF :56.1/22

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

Left In: 39.092+/-122.050 χ^2/NDF :27.0/20

Left: 284.940+/-85.760 χ^2/NDF : 91.2/43

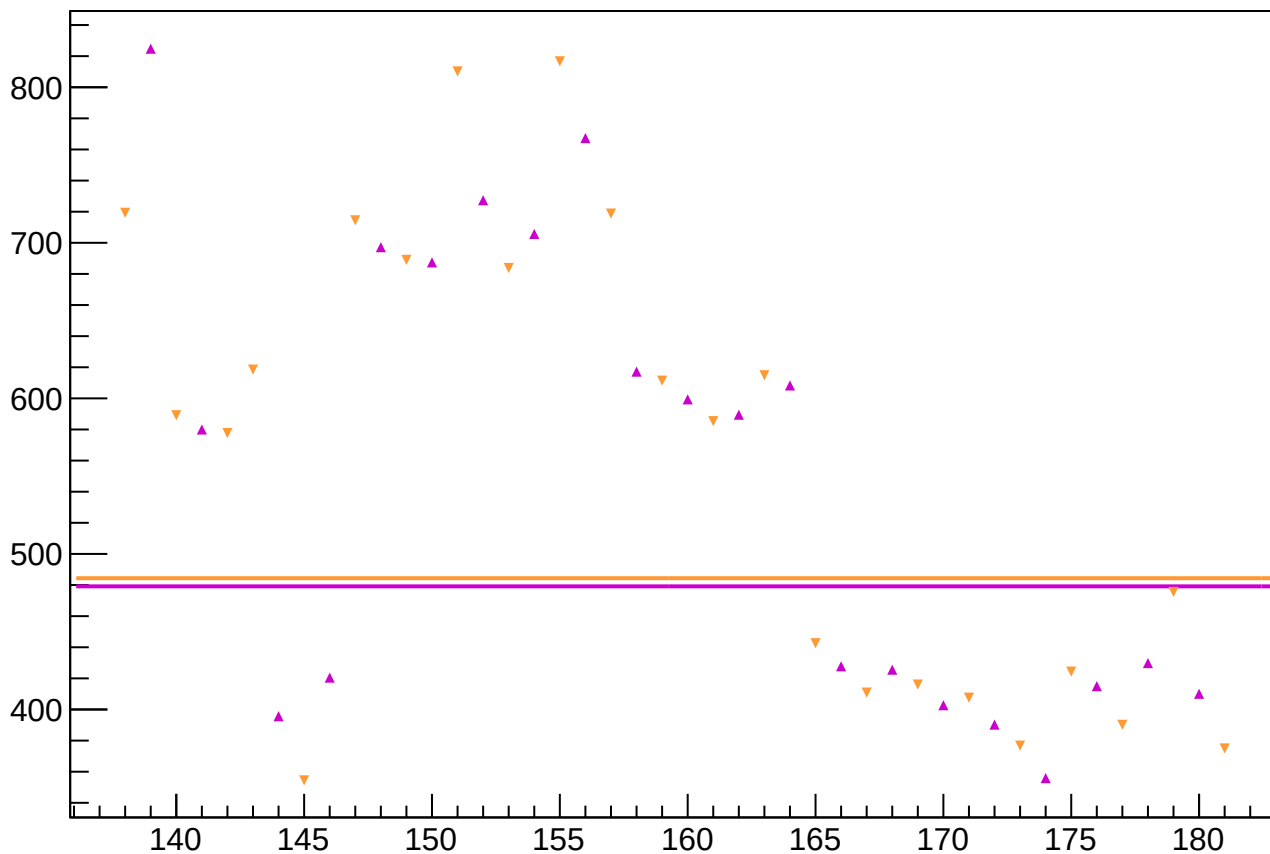
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 39.092+/-122.050 χ^2/NDF :27.0/20

Out: 524.698+/-120.529 χ^2/NDF :56.1/22

All: 284.940+/-85.760 χ^2/NDF : 91.2/43

asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 484.381+/-0.085 χ^2/NDF :2337043.4/22

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

Left In: 479.152+/-0.086 χ^2/NDF :2065382.8/20

Left: 481.799+/-0.061 χ^2/NDF : 4404285.0/43

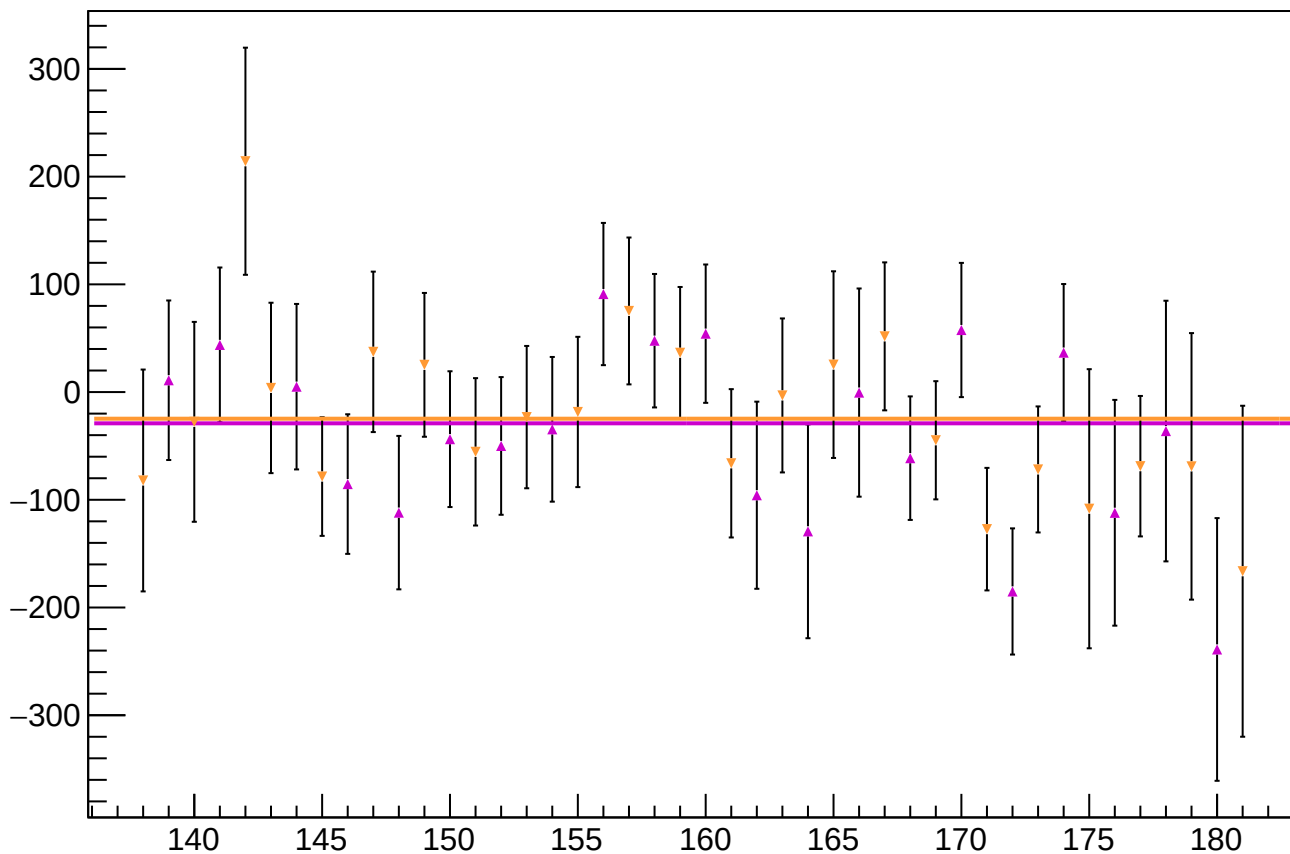
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 479.152+/-0.086 χ^2/NDF :2065382.8/20

Out: 484.381+/-0.085 χ^2/NDF :2337043.4/22

All: 481.799+/-0.061 χ^2/NDF : 4404285.0/43

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: -24.720+/-15.052 χ^2/NDF :19.1/22

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

Left In: -29.009+/-15.619 χ^2/NDF :26.0/20

Left: -26.785+/-10.838 χ^2/NDF : 45.1/43

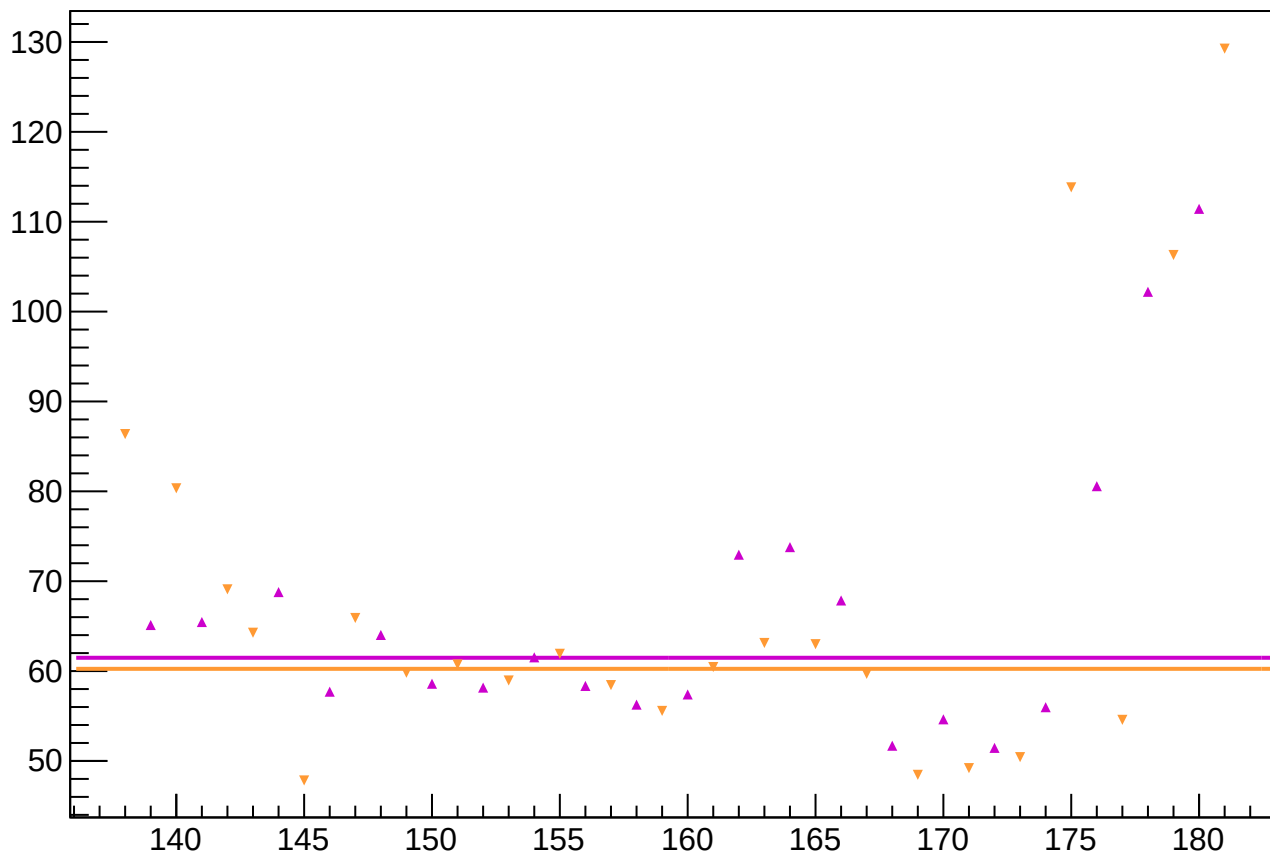
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -29.009+/-15.619 χ^2/NDF :26.0/20

Out: -24.720+/-15.052 χ^2/NDF :19.1/22

All: -26.785+/-10.838 χ^2/NDF : 45.1/43

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: 60.250+/-0.011 χ^2/NDF :1637637.1/22

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

Left In: 61.480+/-0.011 χ^2/NDF :933694.7/20

Left: 60.842+/-0.008 χ^2/NDF : 2577765.6/43

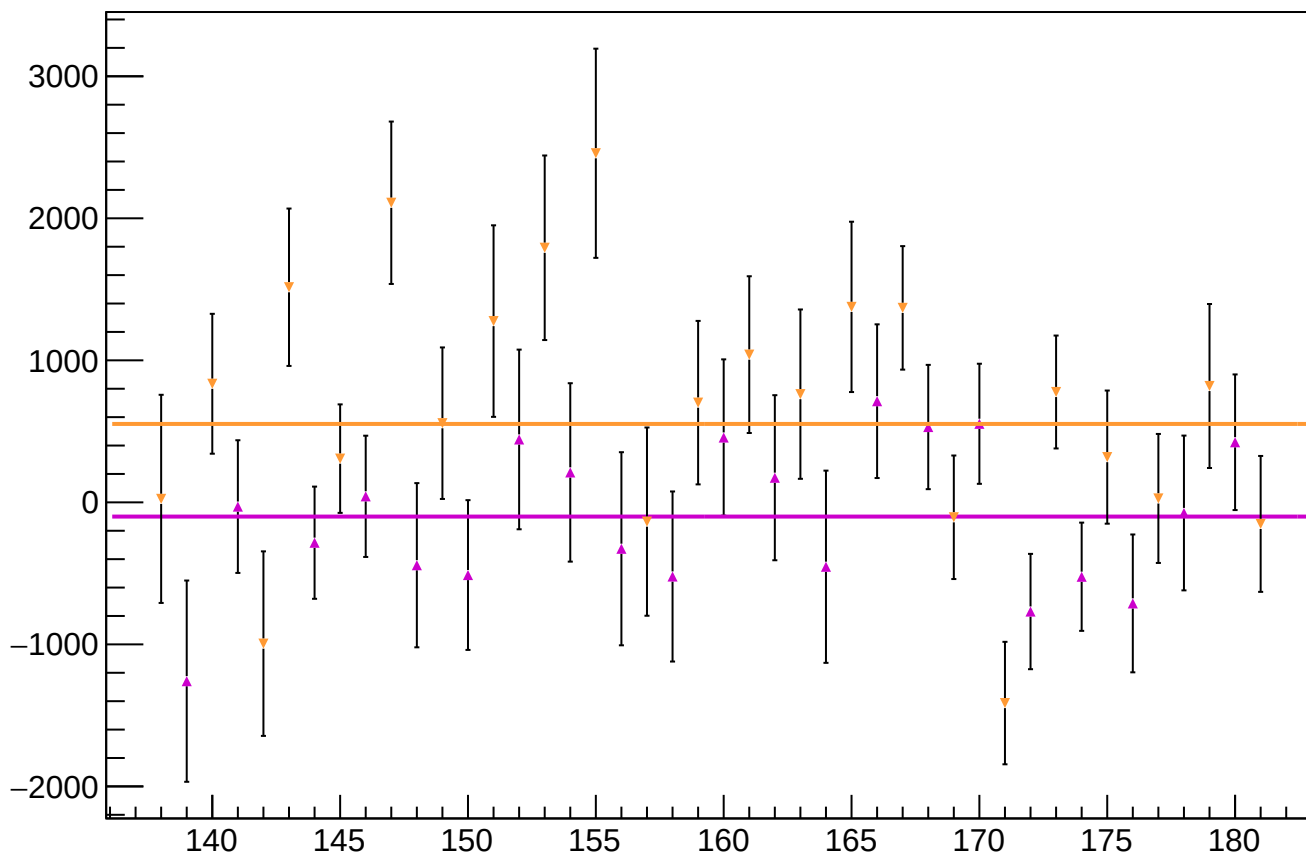
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 61.480+/-0.011 χ^2/NDF :933694.7/20

Out: 60.250+/-0.011 χ^2/NDF :1637637.1/22

All: 60.842+/-0.008 χ^2/NDF : 2577765.6/43

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: 552.134+/-108.671 χ^2/NDF :63.7/22

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

Left In: -100.103+/-109.978 χ^2/NDF :20.6/20

Left: 229.915+/-77.300 χ^2/NDF : 102.0/43

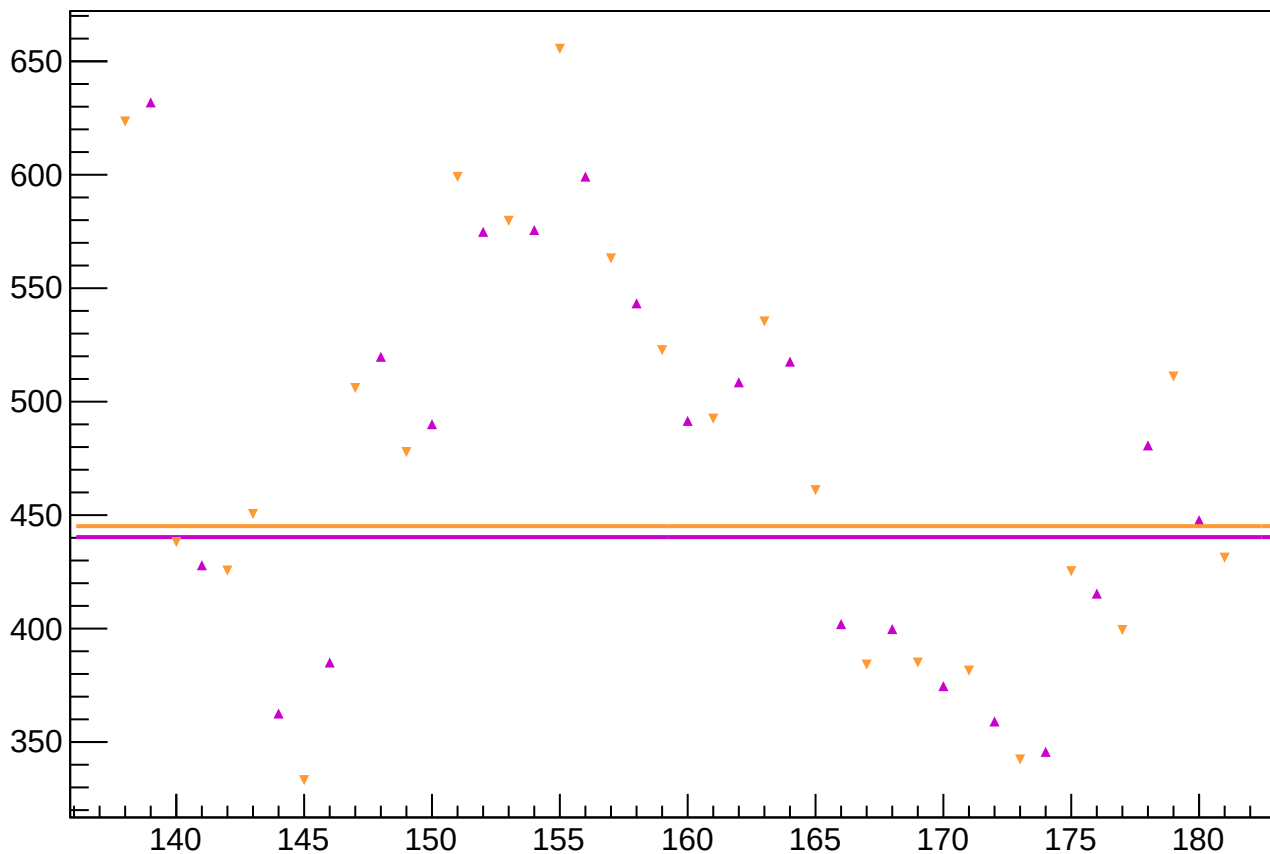
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -100.103+/-109.978 χ^2/NDF :20.6/20

Out: 552.134+/-108.671 χ^2/NDF :63.7/22

All: 229.915+/-77.300 χ^2/NDF : 102.0/43

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: 445.138+/-0.077 χ^2/NDF :1144301.1/22

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

Left In: 440.314+/-0.078 χ^2/NDF :1032605.1/20

Left: 442.755+/-0.055 χ^2/NDF : 2178853.0/43

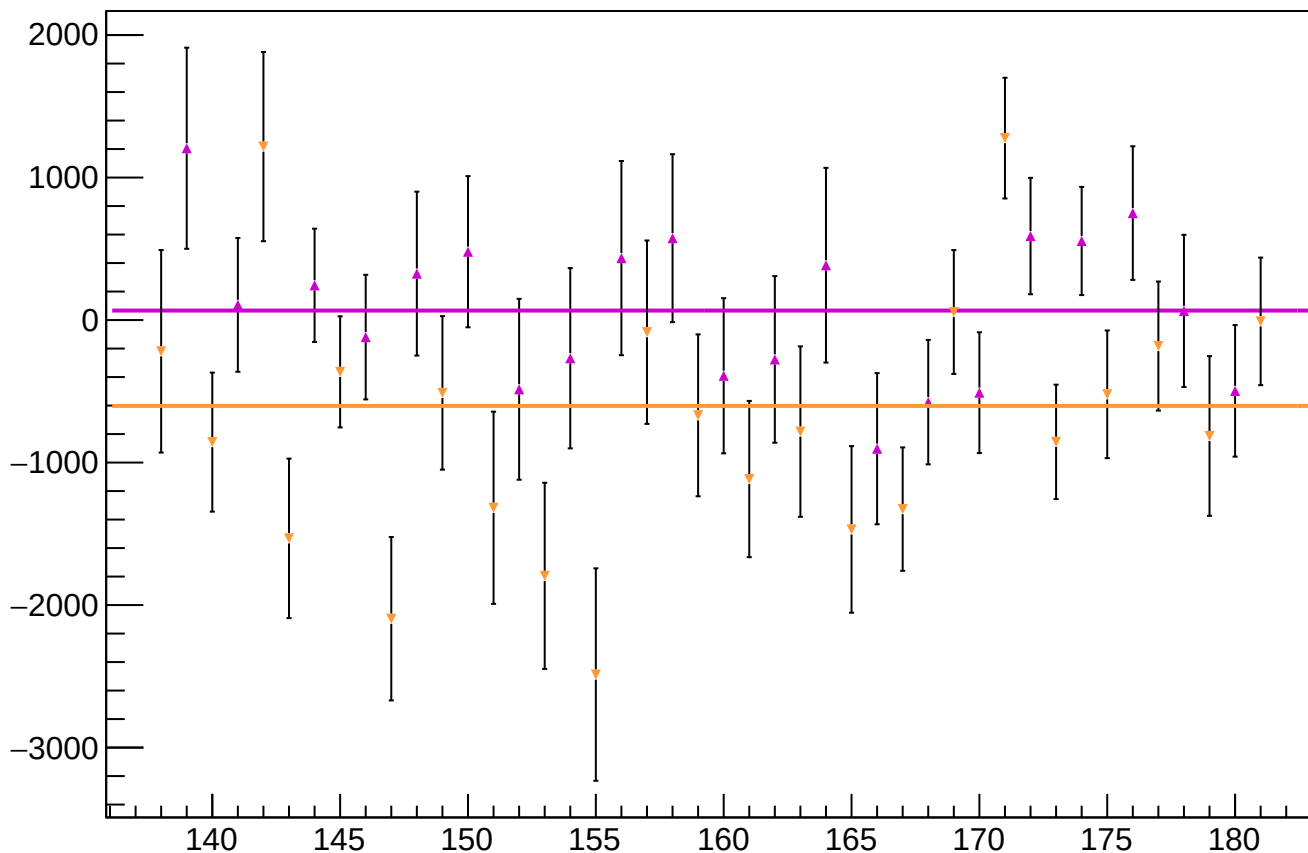
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 440.314+/-0.078 χ^2/NDF :1032605.1/20

Out: 445.138+/-0.077 χ^2/NDF :1144301.1/22

All: 442.755+/-0.055 χ^2/NDF : 2178853.0/43

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -602.442 $\pm$ 107.790 χ^2 /NDF:60.7/22

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

Left In: 66.709 $\pm$ 109.629 χ^2 /NDF:21.4/20

Left: -273.527 $\pm$ 76.861 χ^2 /NDF: 101.0/43

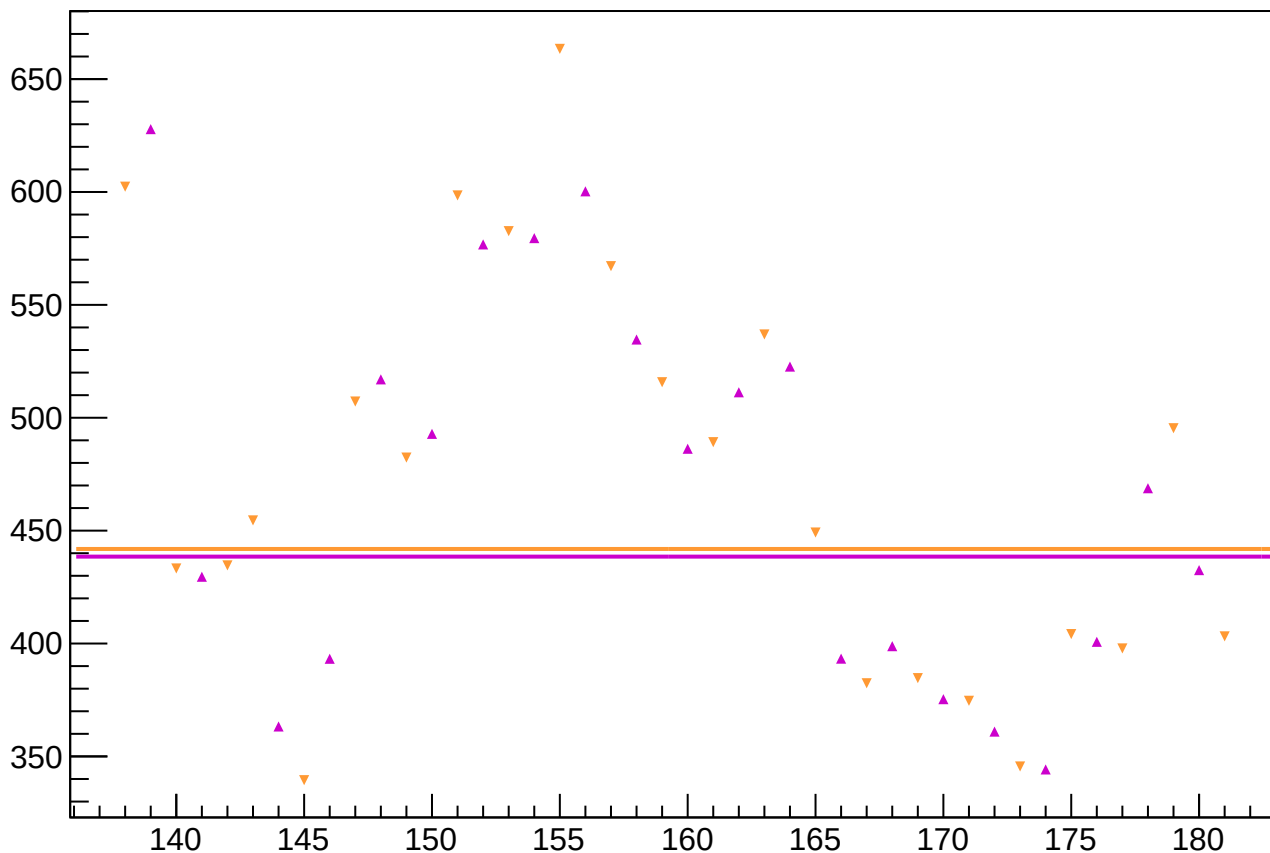
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 66.709 $\pm$ 109.629 χ^2 /NDF:21.4/20

Out: -602.442 $\pm$ 107.790 χ^2 /NDF:60.7/22

All: -273.527 $\pm$ 76.861 χ^2 /NDF: 101.0/43

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 441.883+/-0.076 χ^2/NDF :1136062.9/22

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

Left In: 438.494+/-0.078 χ^2/NDF :1023864.8/20

Left: 440.217+/-0.054 χ^2/NDF : 2160899.2/43

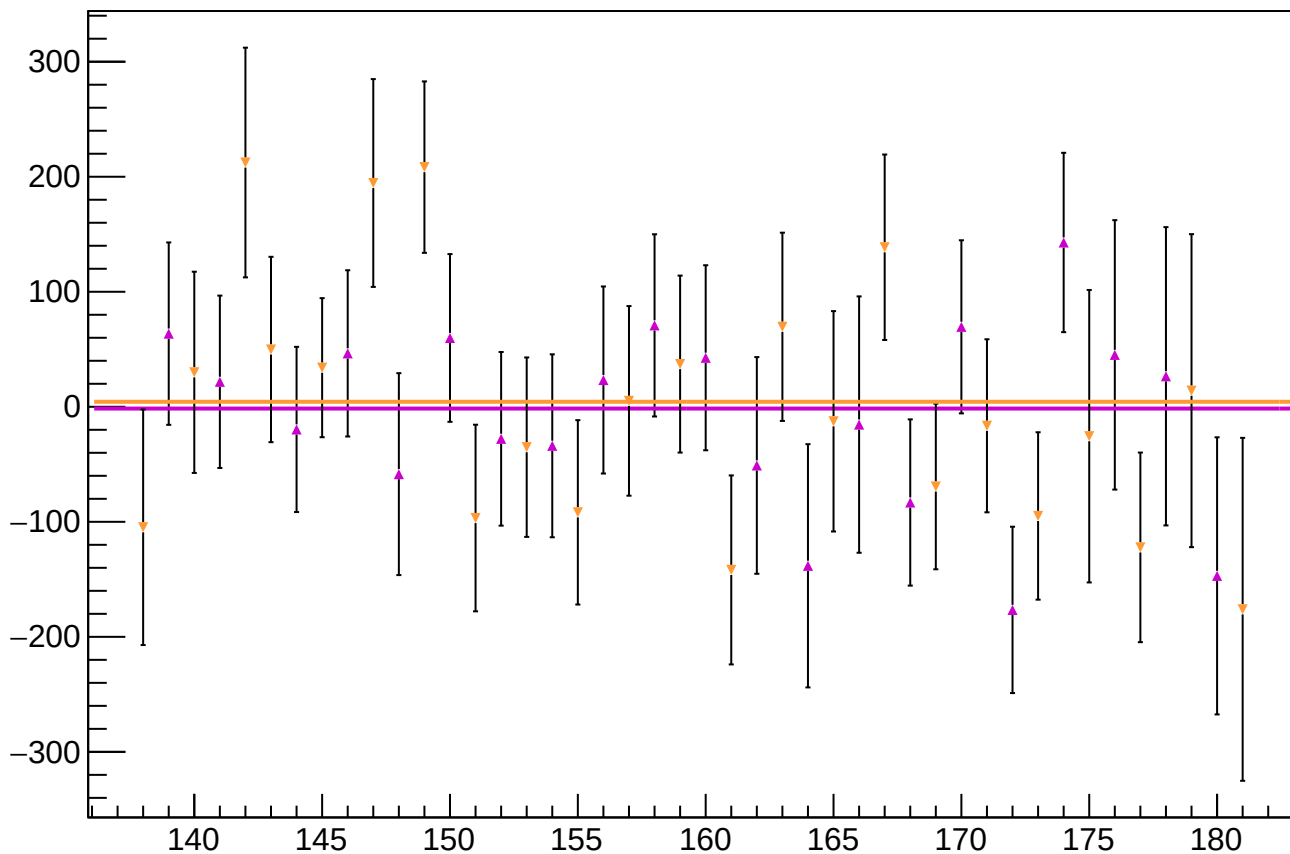
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 438.494+/-0.078 χ^2/NDF :1023864.8/20

Out: 441.883+/-0.076 χ^2/NDF :1136062.9/22

All: 440.217+/-0.054 χ^2/NDF : 2160899.2/43

dit_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: 4.357 $\pm$ 17.483 χ^2 /NDF:34.9/22

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

Left In: -1.530 $\pm$ 18.116 χ^2 /NDF:19.0/20

Left: 1.518 $\pm$ 12.580 χ^2 /NDF: 54.0/43

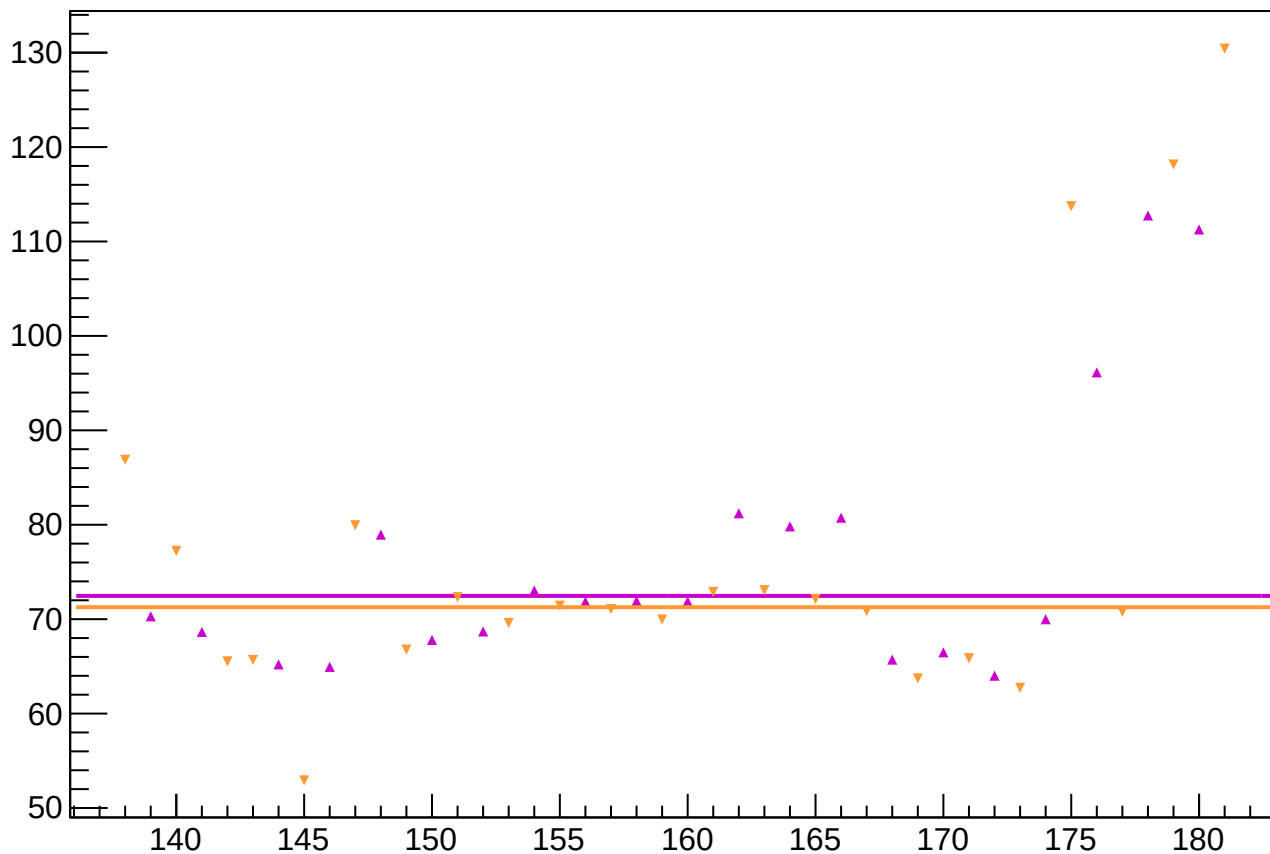
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -1.530 $\pm$ 18.116 χ^2 /NDF:19.0/20

Out: 4.357 $\pm$ 17.483 χ^2 /NDF:34.9/22

All: 1.518 $\pm$ 12.580 χ^2 /NDF: 54.0/43

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: 71.267+/-0.012 χ^2/NDF :1121088.8/22

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

Left In: 72.465+/-0.013 χ^2/NDF :653002.6/20

Left: 71.845+/-0.009 χ^2/NDF : 1778616.2/43

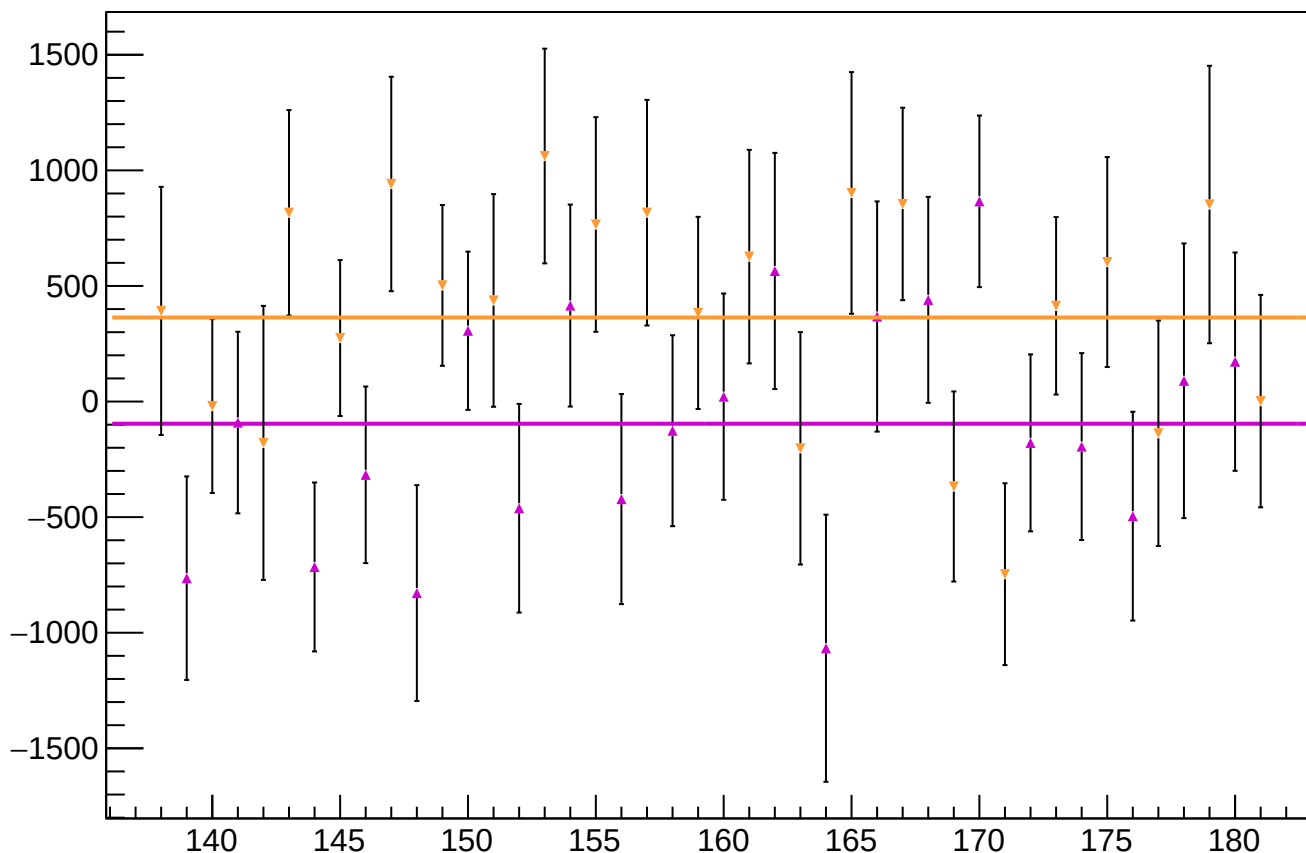
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 72.465+/-0.013 χ^2/NDF :653002.6/20

Out: 71.267+/-0.012 χ^2/NDF :1121088.8/22

All: 71.845+/-0.009 χ^2/NDF : 1778616.2/43

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: 363.652+/-92.073 χ^2/NDF :26.4/22

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

Left In: -95.980+/-93.939 χ^2/NDF :26.8/20

Left: 138.447+/-65.755 χ^2/NDF : 65.4/43

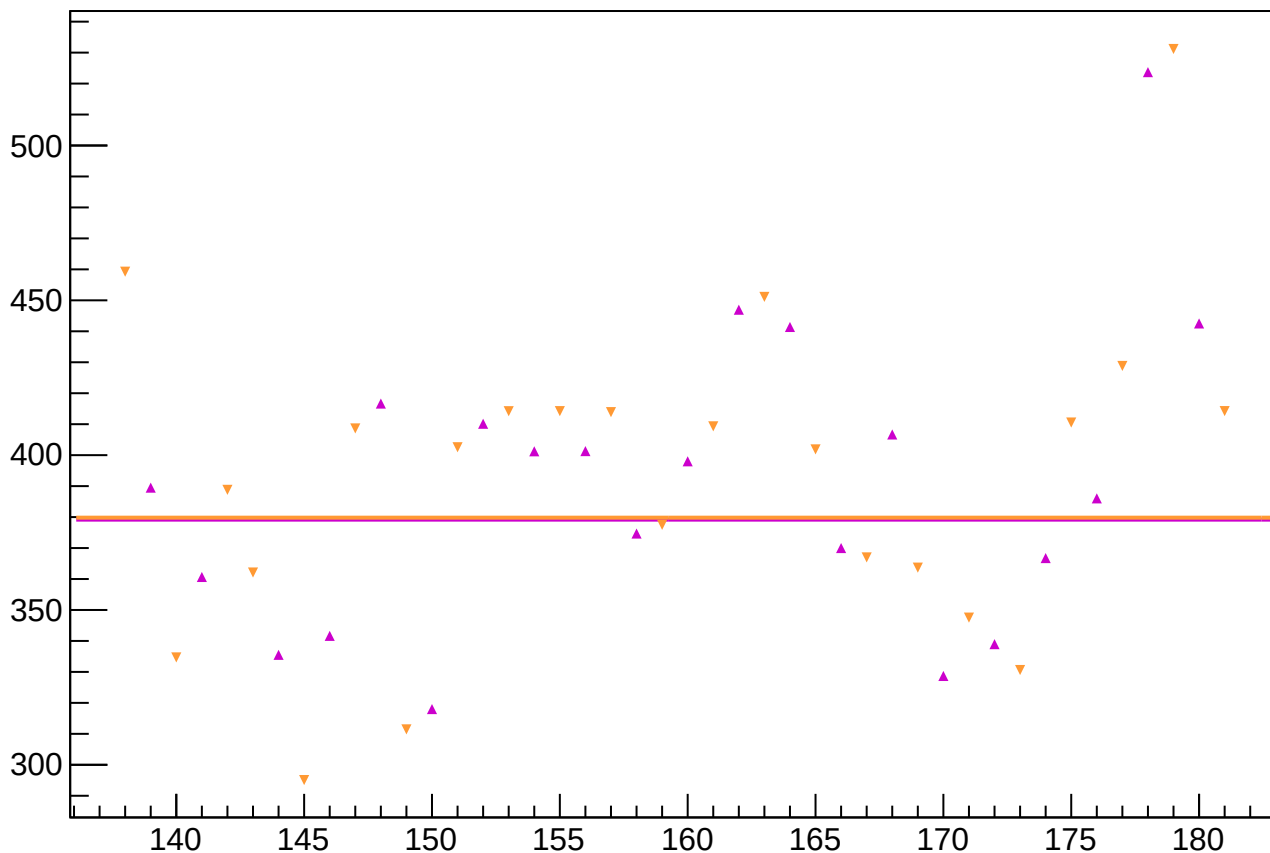
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -95.980+/-93.939 χ^2/NDF :26.8/20

Out: 363.652+/-92.073 χ^2/NDF :26.4/22

All: 138.447+/-65.755 χ^2/NDF : 65.4/43

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: 379.811+/-0.065 χ^2/NDF : 595150.7/22

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

Left In: 379.178+/-0.066 χ^2/NDF : 435830.2/20

Left: 379.501+/-0.046 χ^2/NDF : 1031027.1/43

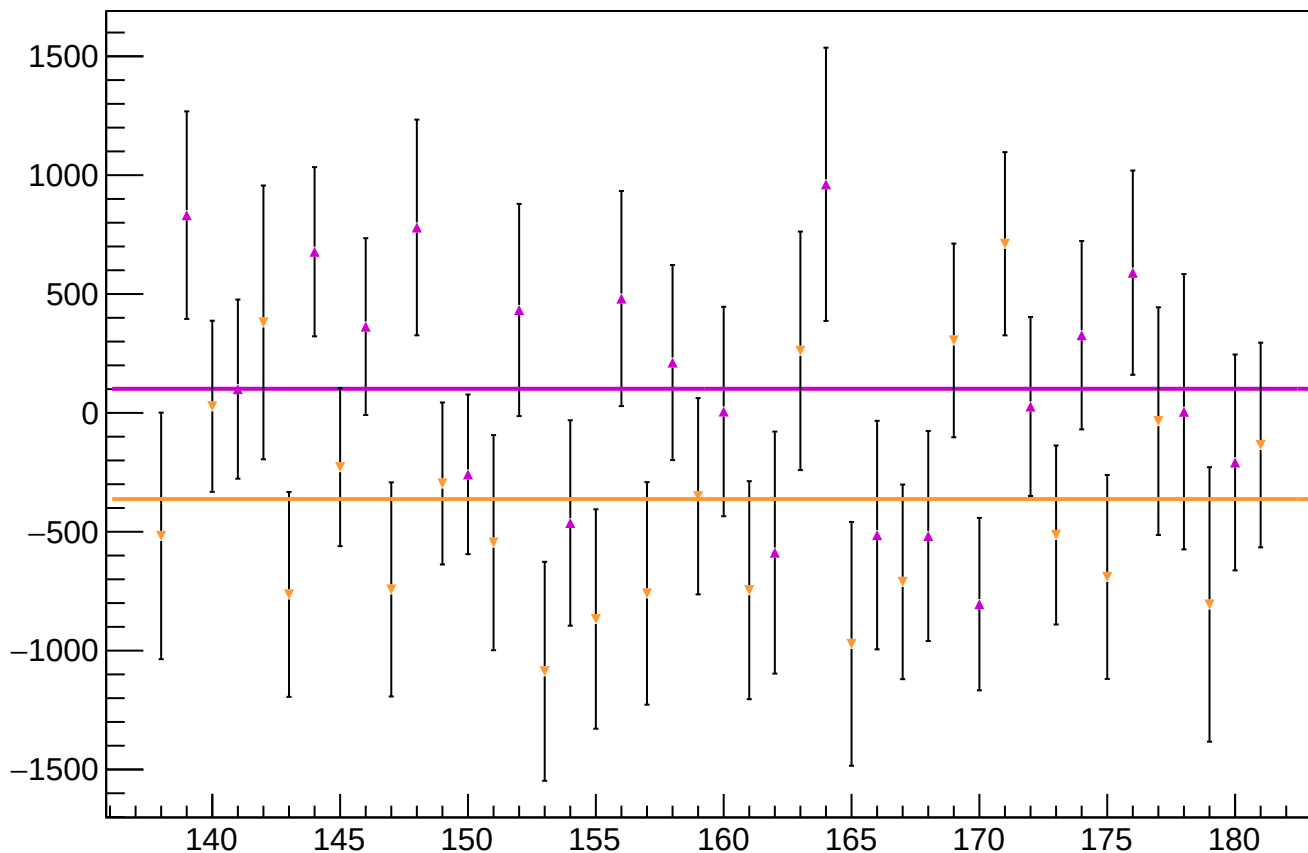
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 379.178+/-0.066 χ^2/NDF : 435830.2/20

Out: 379.811+/-0.065 χ^2/NDF : 595150.7/22

All: 379.501+/-0.046 χ^2/NDF : 1031027.1/43

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -362.474+/-89.926 χ^2/NDF :26.2/22

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

Left In: 101.523+/-92.007 χ^2/NDF :28.5/20

Left: -135.783+/-64.310 χ^2/NDF : 67.6/43

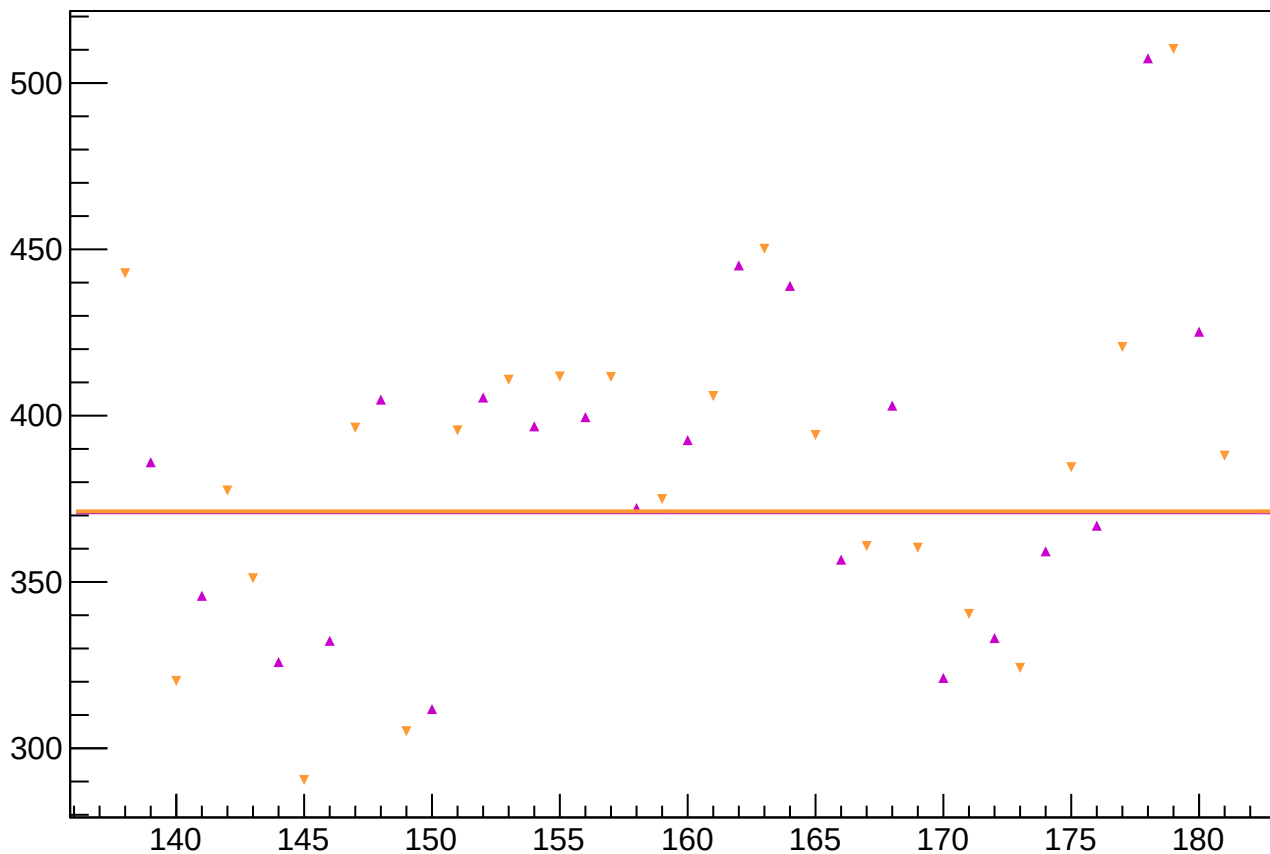
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 101.523+/-92.007 χ^2/NDF :28.5/20

Out: -362.474+/-89.926 χ^2/NDF :26.2/22

All: -135.783+/-64.310 χ^2/NDF : 67.6/43

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 371.238+/-0.064 χ^2/NDF : 587434.3/22

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

Left In: 370.968+/-0.065 χ^2/NDF : 452432.0/20

Left: 371.106+/-0.045 χ^2/NDF : 1039875.1/43

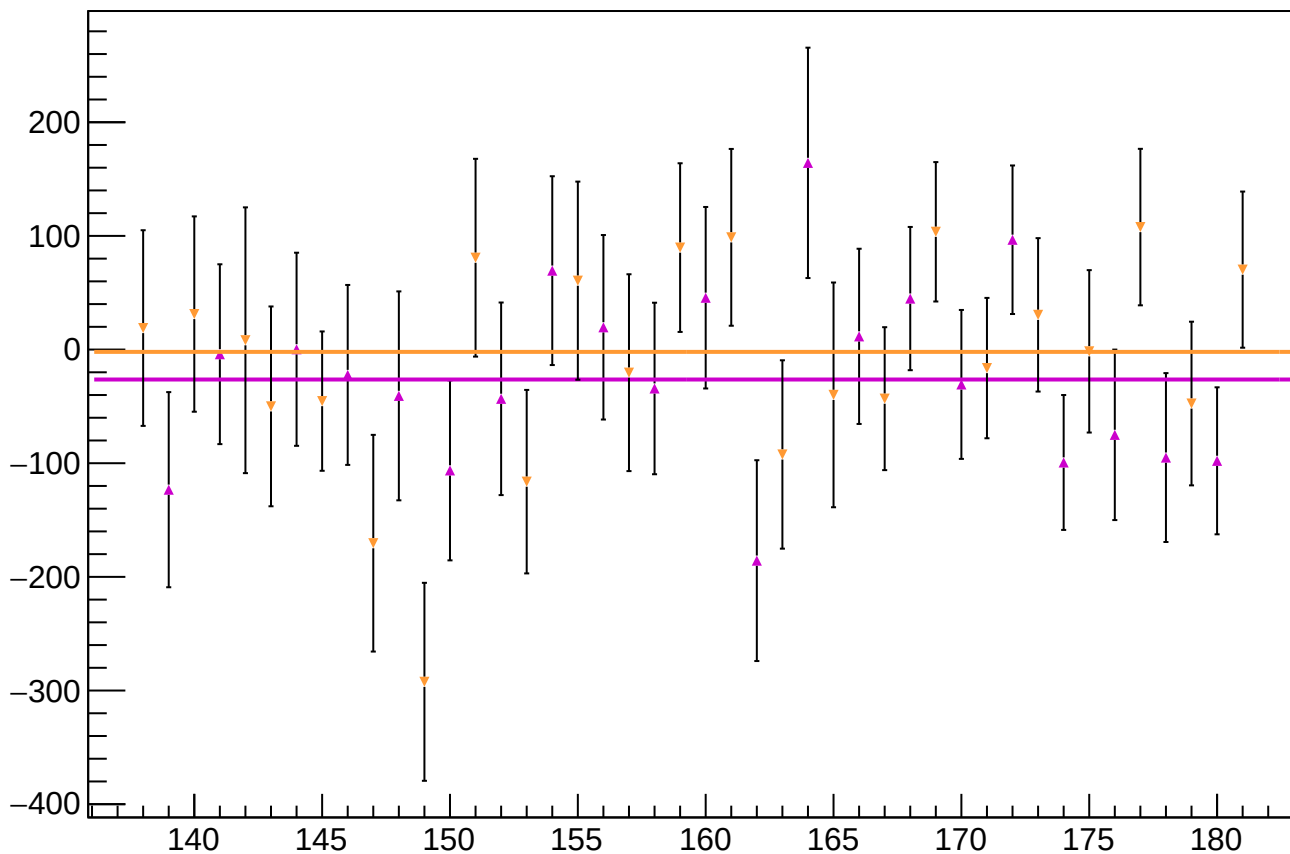
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 370.968+/-0.065 χ^2/NDF : 452432.0/20

Out: 371.238+/-0.064 χ^2/NDF : 587434.3/22

All: 371.106+/-0.045 χ^2/NDF : 1039875.1/43

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: -2.043+/-15.934 χ^2/NDF :31.0/22

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

Left In: -26.357+/-16.586 χ^2/NDF :20.9/20

Left: -13.712+/-11.491 χ^2/NDF : 53.0/43

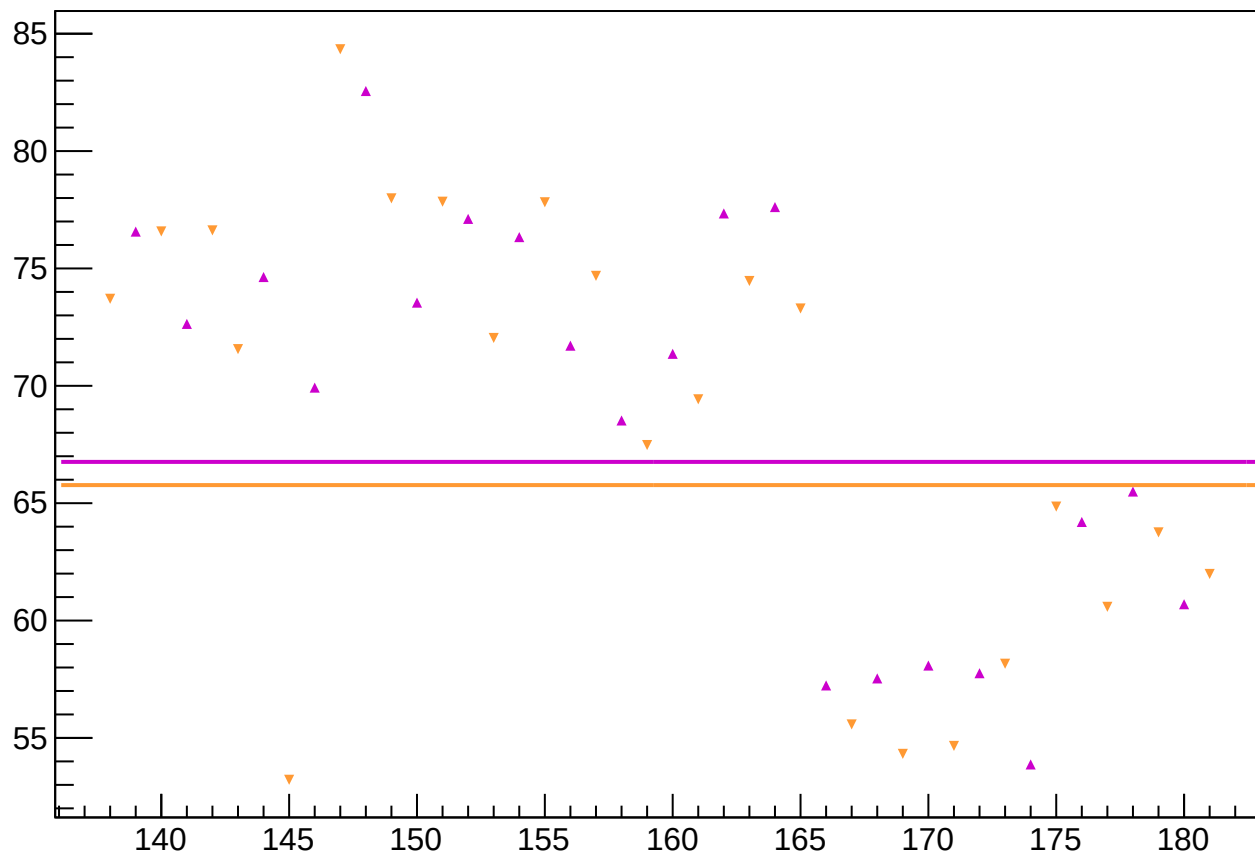
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -26.357+/-16.586 χ^2/NDF :20.9/20

Out: -2.043+/-15.934 χ^2/NDF :31.0/22

All: -13.712+/-11.491 χ^2/NDF : 53.0/43

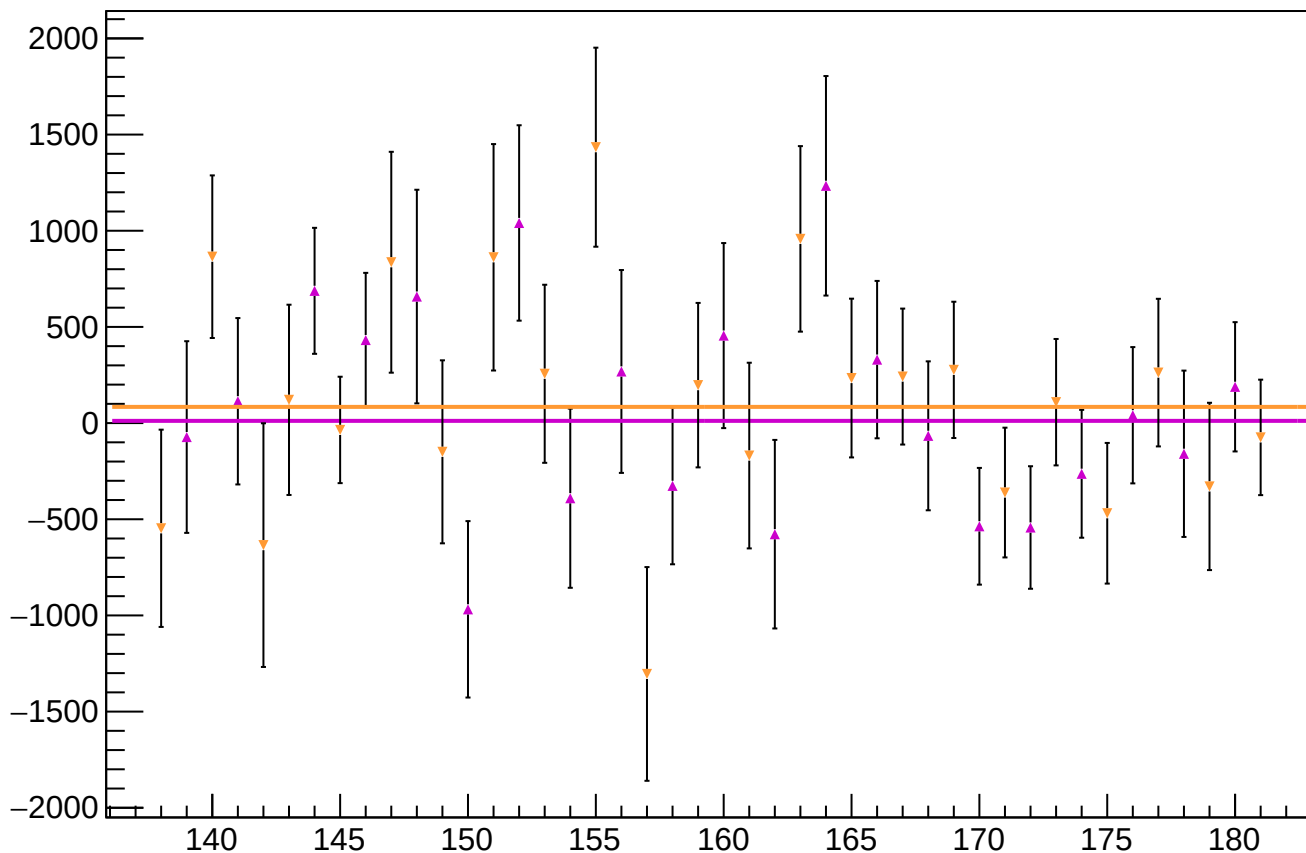
dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 65.771+/-0.011 χ^2/NDF : 654491.9/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 66.759+/-0.012 χ^2/NDF : 515863.1/20

Left: 66.245+/-0.008 χ^2/NDF : 1174050.0/43
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 66.759+/-0.012 χ^2/NDF : 515863.1/20
 Out: 65.771+/-0.011 χ^2/NDF : 654491.9/22
 All: 66.245+/-0.008 χ^2/NDF : 1174050.0/43

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: 84.254 $\pm$ 85.861 χ^2 /NDF:33.0/22

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

Left In: 11.551 $\pm$ 88.004 χ^2 /NDF:32.4/20

Left: 48.798 $\pm$ 61.457 χ^2 /NDF: 65.8/43

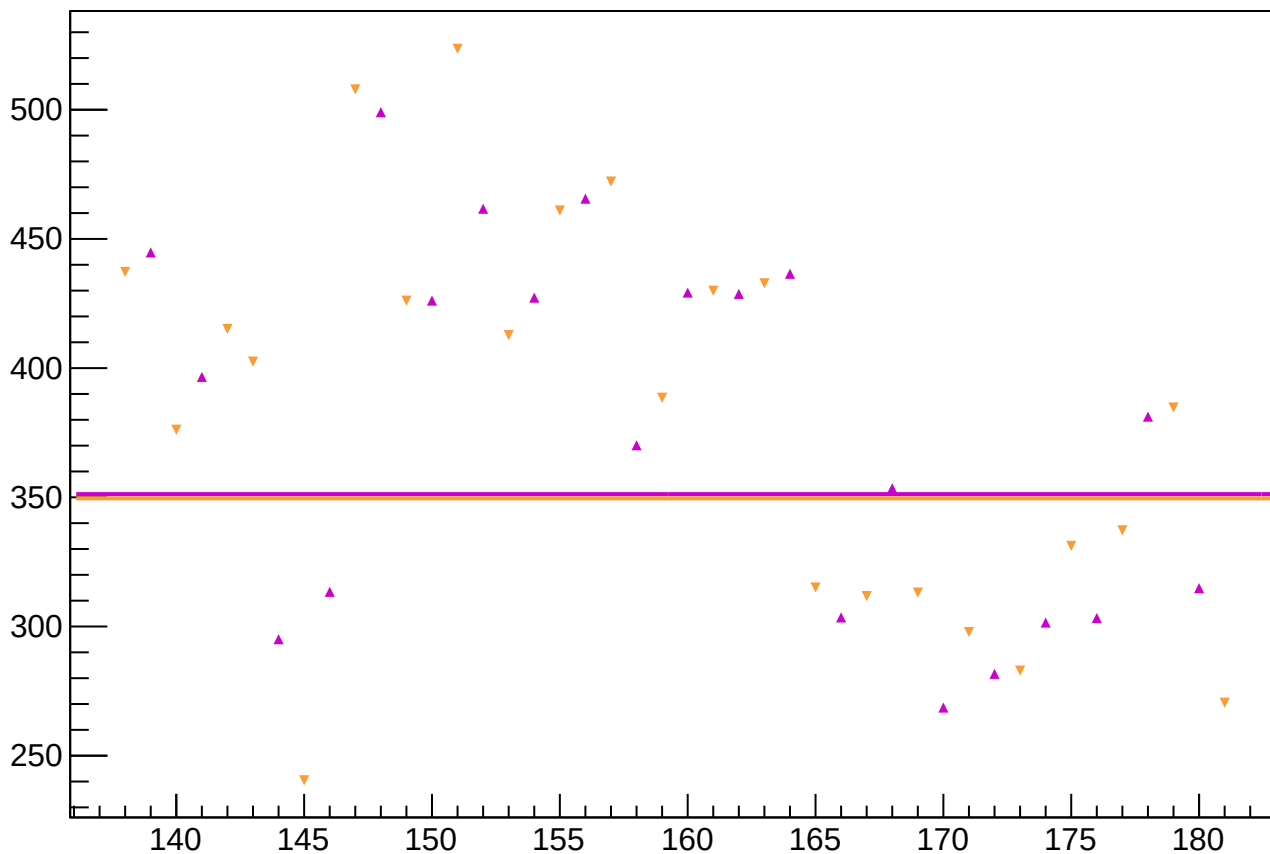
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 11.551 $\pm$ 88.004 χ^2 /NDF:32.4/20

Out: 84.254 $\pm$ 85.861 χ^2 /NDF:33.0/22

All: 48.798 $\pm$ 61.457 χ^2 /NDF: 65.8/43

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: 349.584+/-0.061 χ^2/NDF :1505875.4/22

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

Left In: 351.238+/-0.062 χ^2/NDF :1148571.4/20

Left: 350.391+/-0.043 χ^2/NDF : 2654808.8/43

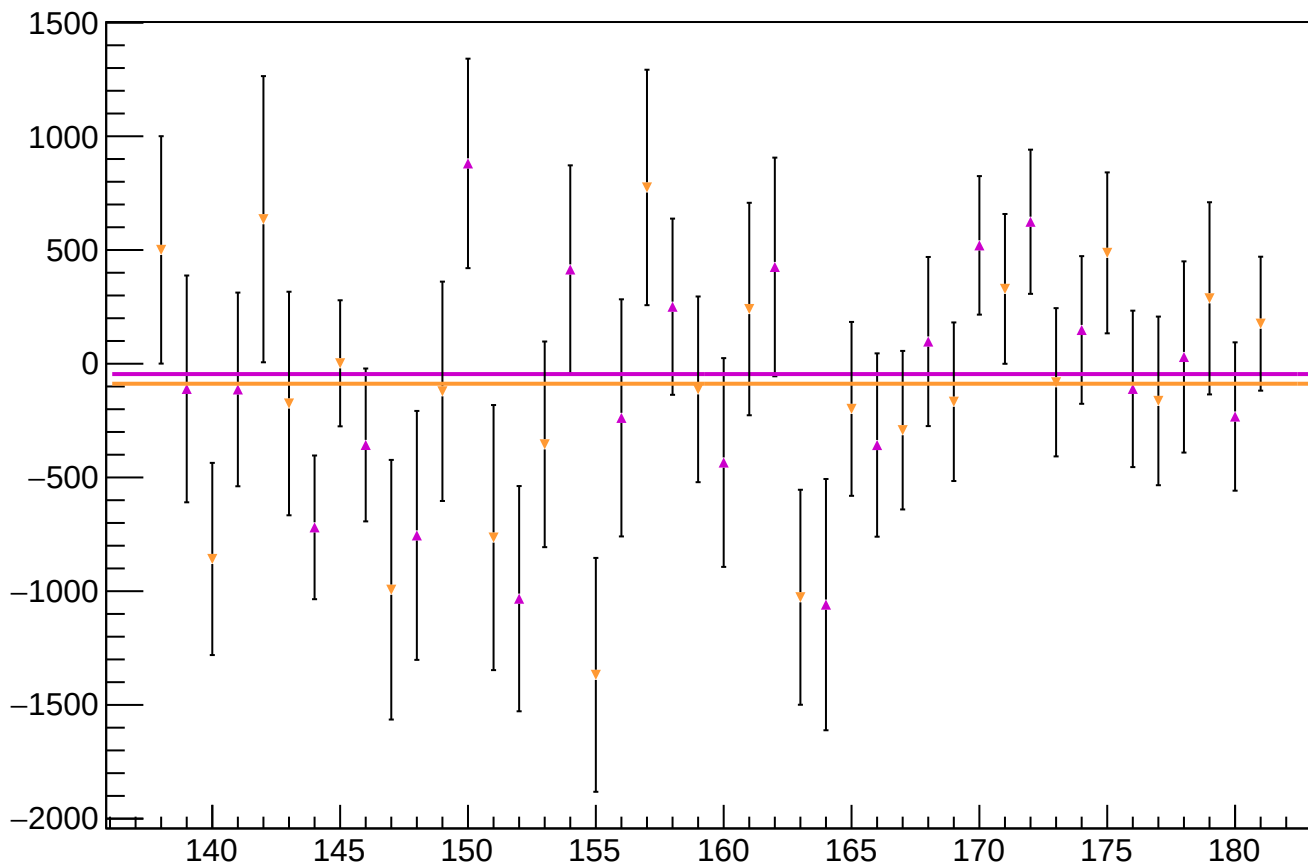
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 351.238+/-0.062 χ^2/NDF :1148571.4/20

Out: 349.584+/-0.061 χ^2/NDF :1505875.4/22

All: 350.391+/-0.043 χ^2/NDF : 2654808.8/43

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: -87.914 ± 84.084 $\chi^2/\text{NDF}: 30.2/22$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -45.505 ± 86.012 $\chi^2/\text{NDF}: 31.3/20$

Left: -67.190 ± 60.127 $\chi^2/\text{NDF}: 61.6/43$

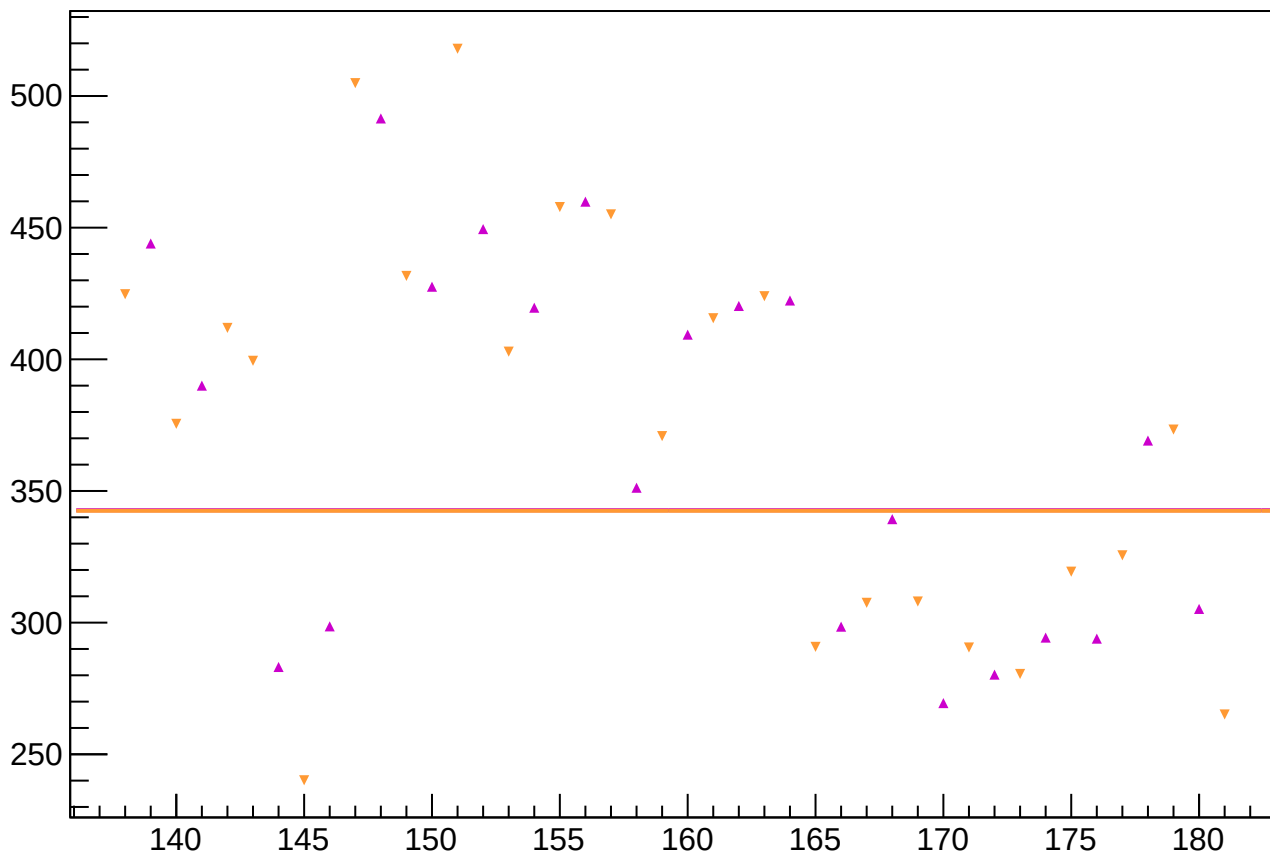
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -45.505 ± 86.012 $\chi^2/\text{NDF}: 31.3/20$

Out: -87.914 ± 84.084 $\chi^2/\text{NDF}: 30.2/22$

All: -67.190 ± 60.127 $\chi^2/\text{NDF}: 61.6/43$

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 342.477+/-0.059 χ^2/NDF :1510990.9/22

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

Left In: 342.697+/-0.061 χ^2/NDF :1152534.0/20

Left: 342.585+/-0.043 χ^2/NDF : 2663531.6/43

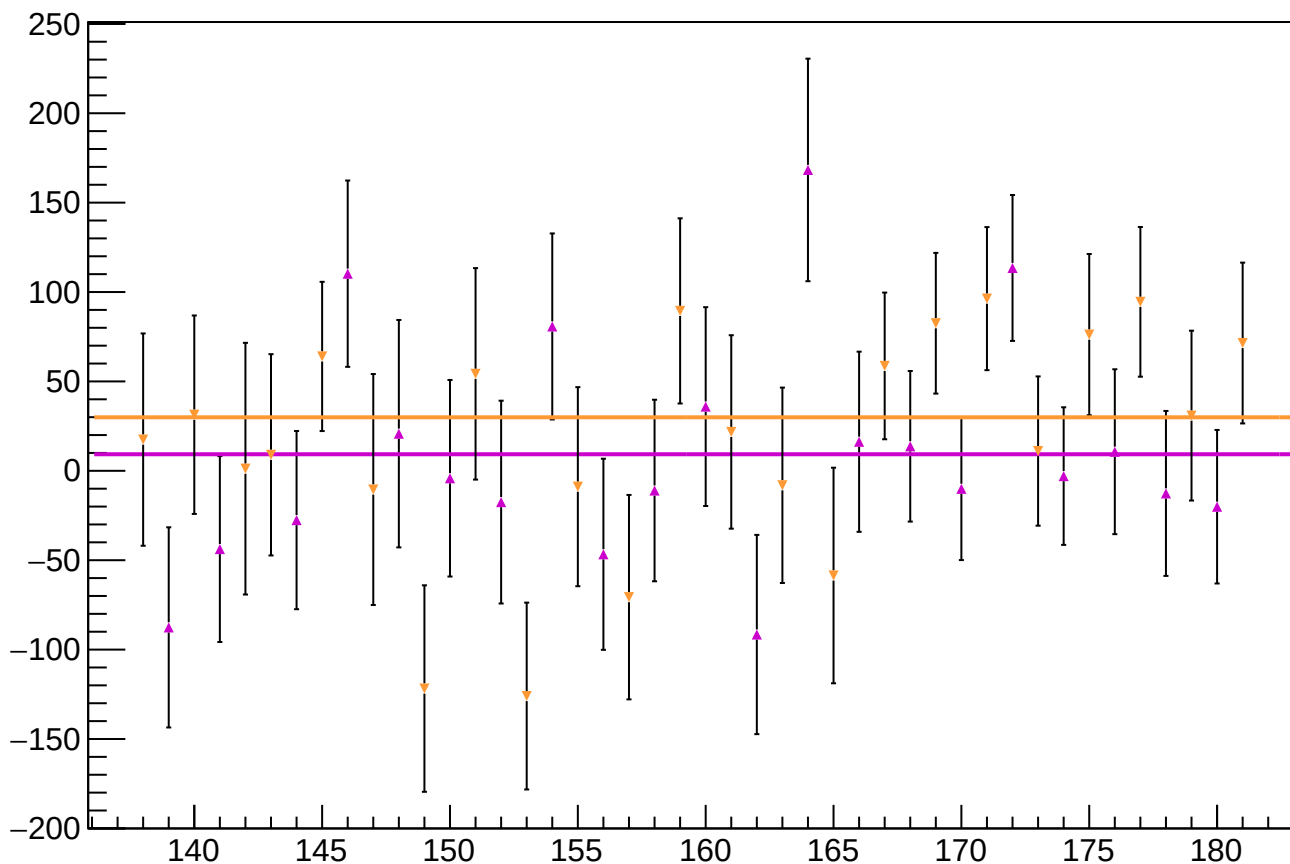
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 342.697+/-0.061 χ^2/NDF :1152534.0/20

Out: 342.477+/-0.059 χ^2/NDF :1510990.9/22

All: 342.585+/-0.043 χ^2/NDF : 2663531.6/43

dit_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 29.929 $\pm$ 10.379 χ^2 /NDF:34.5/22

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

Left In: 9.263 $\pm$ 10.718 χ^2 /NDF:29.4/20

Left: 19.928 $\pm$ 7.456 χ^2 /NDF: 65.8/43

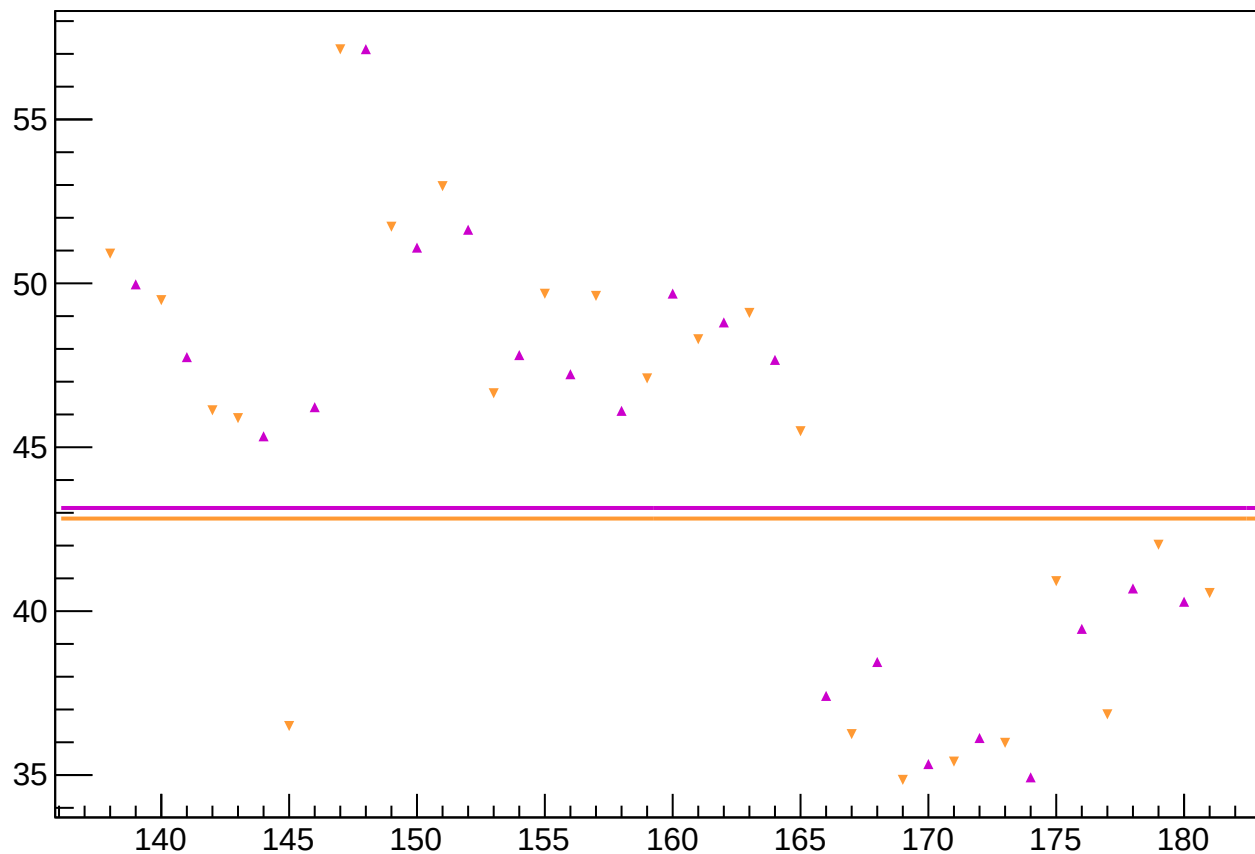
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 9.263 $\pm$ 10.718 χ^2 /NDF:29.4/20

Out: 29.929 $\pm$ 10.379 χ^2 /NDF:34.5/22

All: 19.928 $\pm$ 7.456 χ^2 /NDF: 65.8/43

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: 42.825+/-0.007 χ^2/NDF : 766187.3/22

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

Left In: 43.147+/-0.008 χ^2/NDF : 638302.7/20

Left: 42.981+/-0.005 χ^2/NDF : 1405424.4/43

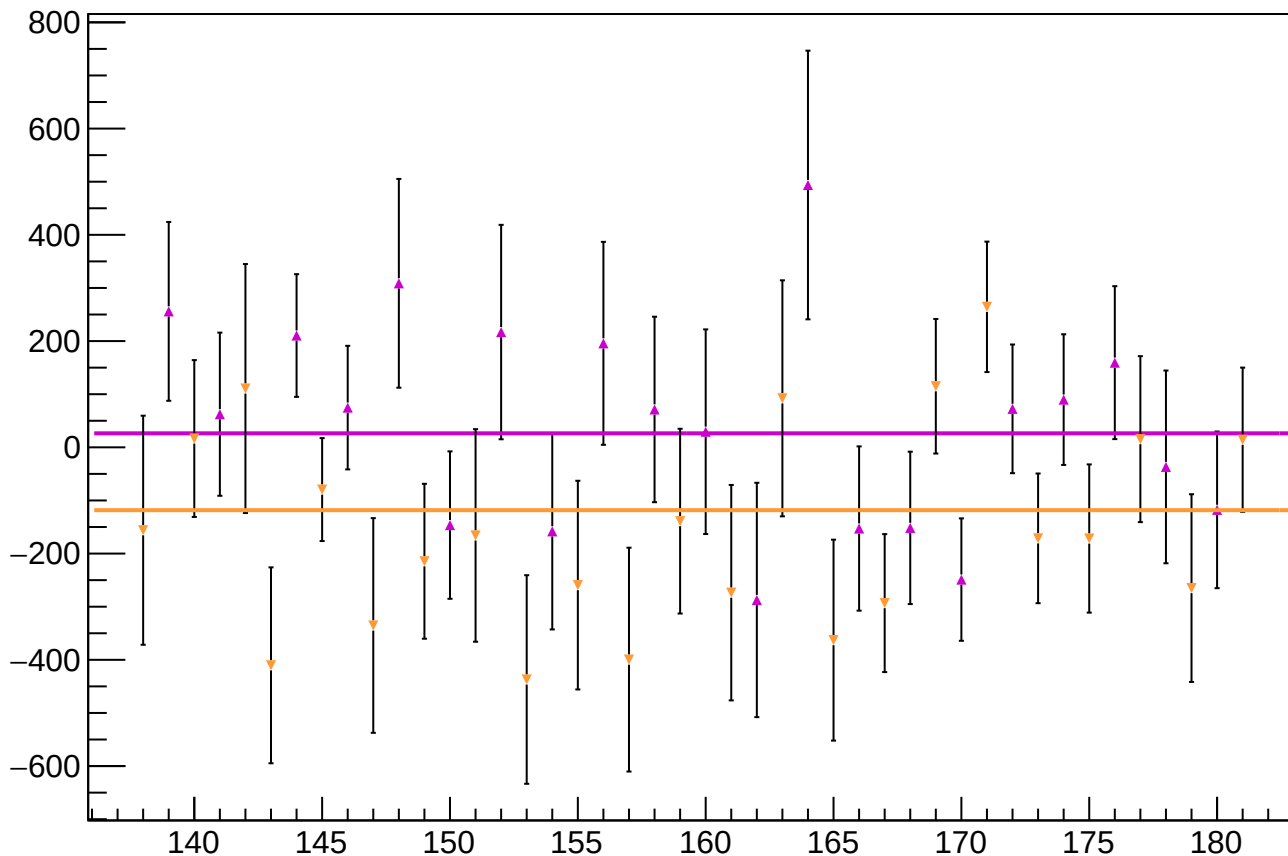
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 43.147+/-0.008 χ^2/NDF : 638302.7/20

Out: 42.825+/-0.007 χ^2/NDF : 766187.3/22

All: 42.981+/-0.005 χ^2/NDF : 1405424.4/43

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: -118.299+/-32.758 χ^2/NDF :31.9/22

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

Left In: 26.366+/-33.216 χ^2/NDF :27.4/20

Left: -46.970+/-23.324 χ^2/NDF : 68.9/43

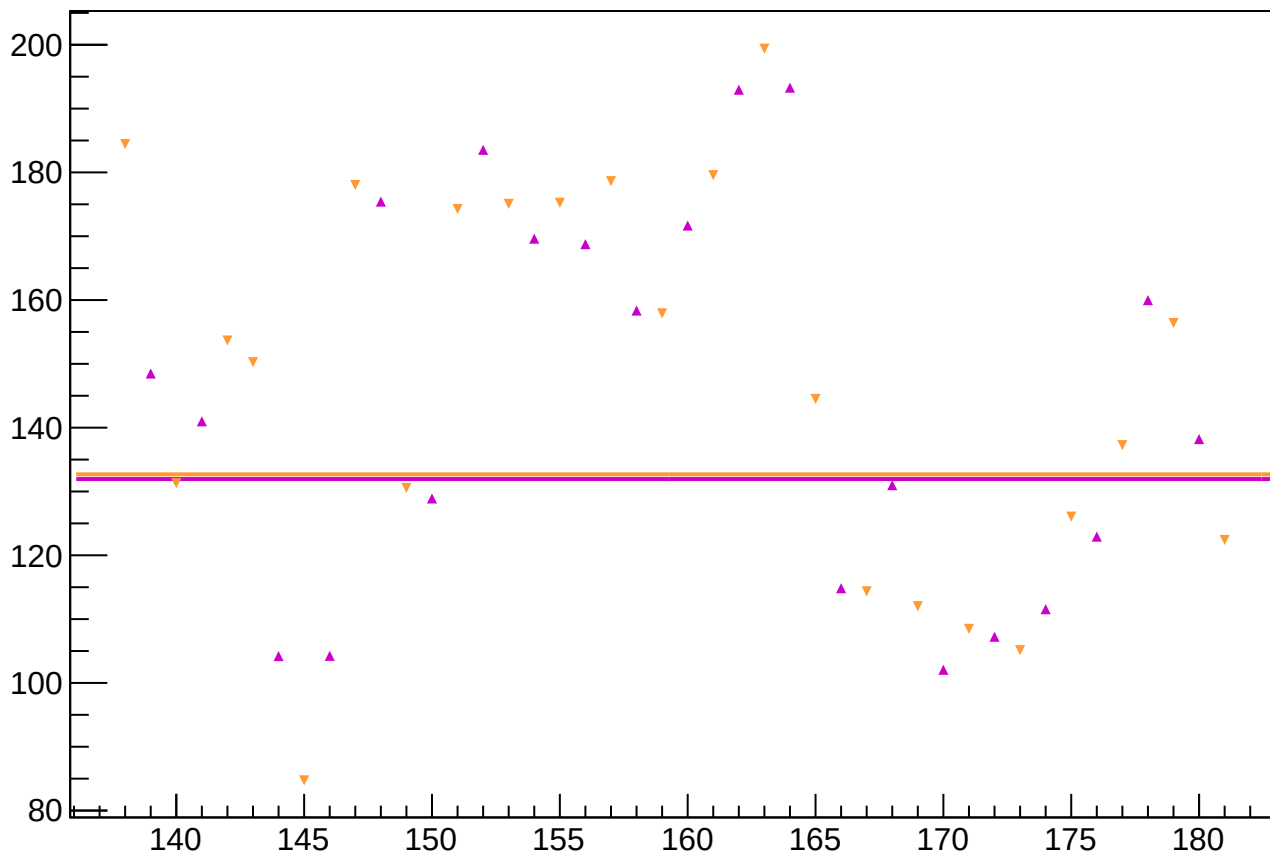
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 26.366+/-33.216 χ^2/NDF :27.4/20

Out: -118.299+/-32.758 χ^2/NDF :31.9/22

All: -46.970+/-23.324 χ^2/NDF : 68.9/43

asym_sam_37_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 132.688+/-0.023 χ^2/NDF :1772885.7/22

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

Left In: 131.944+/-0.023 χ^2/NDF :1400252.4/20

Left: 132.321+/-0.016 χ^2/NDF : 3173645.9/43

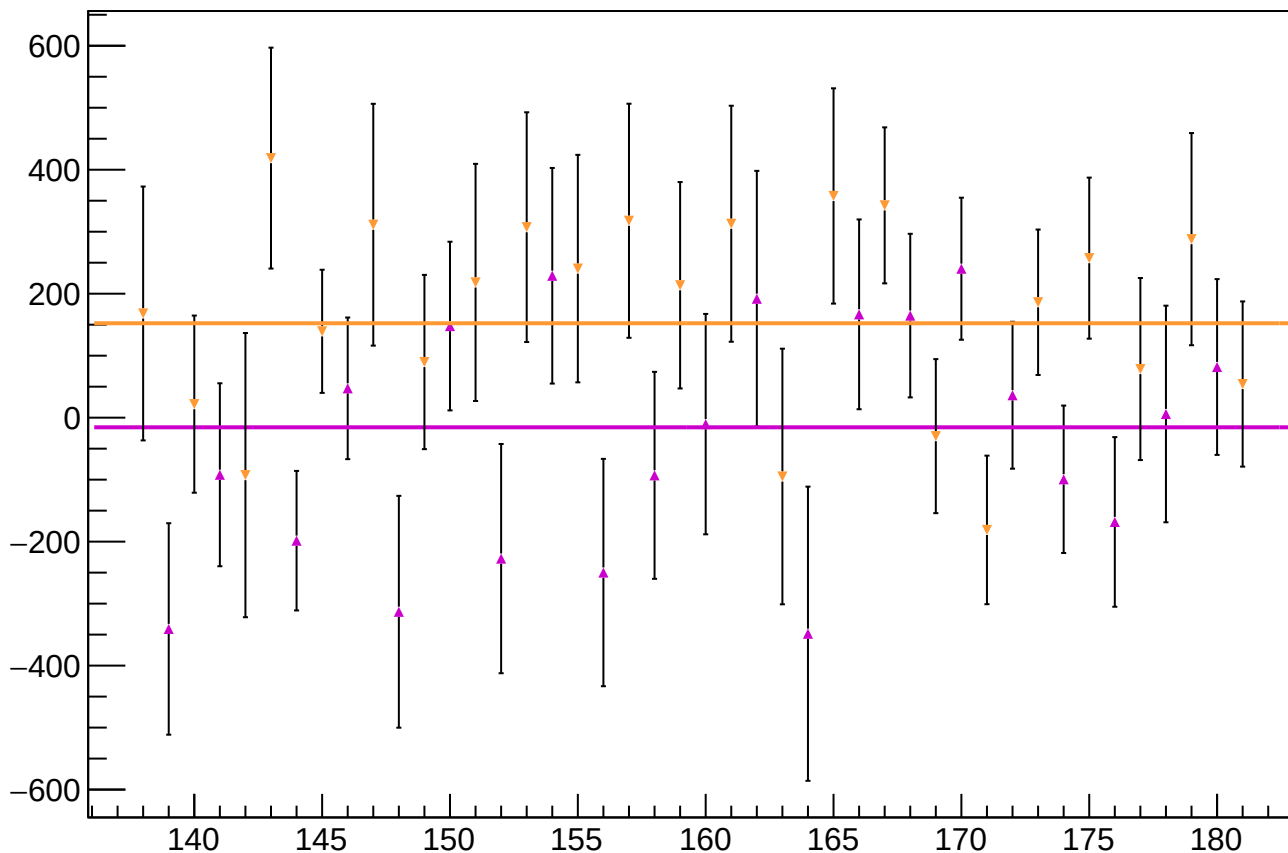
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 131.944+/-0.023 χ^2/NDF :1400252.4/20

Out: 132.688+/-0.023 χ^2/NDF :1772885.7/22

All: 132.321+/-0.016 χ^2/NDF : 3173645.9/43

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 152.293 $\pm$ 31.585 χ^2 /NDF:24.9/22

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

Left In: -15.543 $\pm$ 32.053 χ^2 /NDF:29.6/20

Left: 69.611 $\pm$ 22.498 χ^2 /NDF: 68.5/43

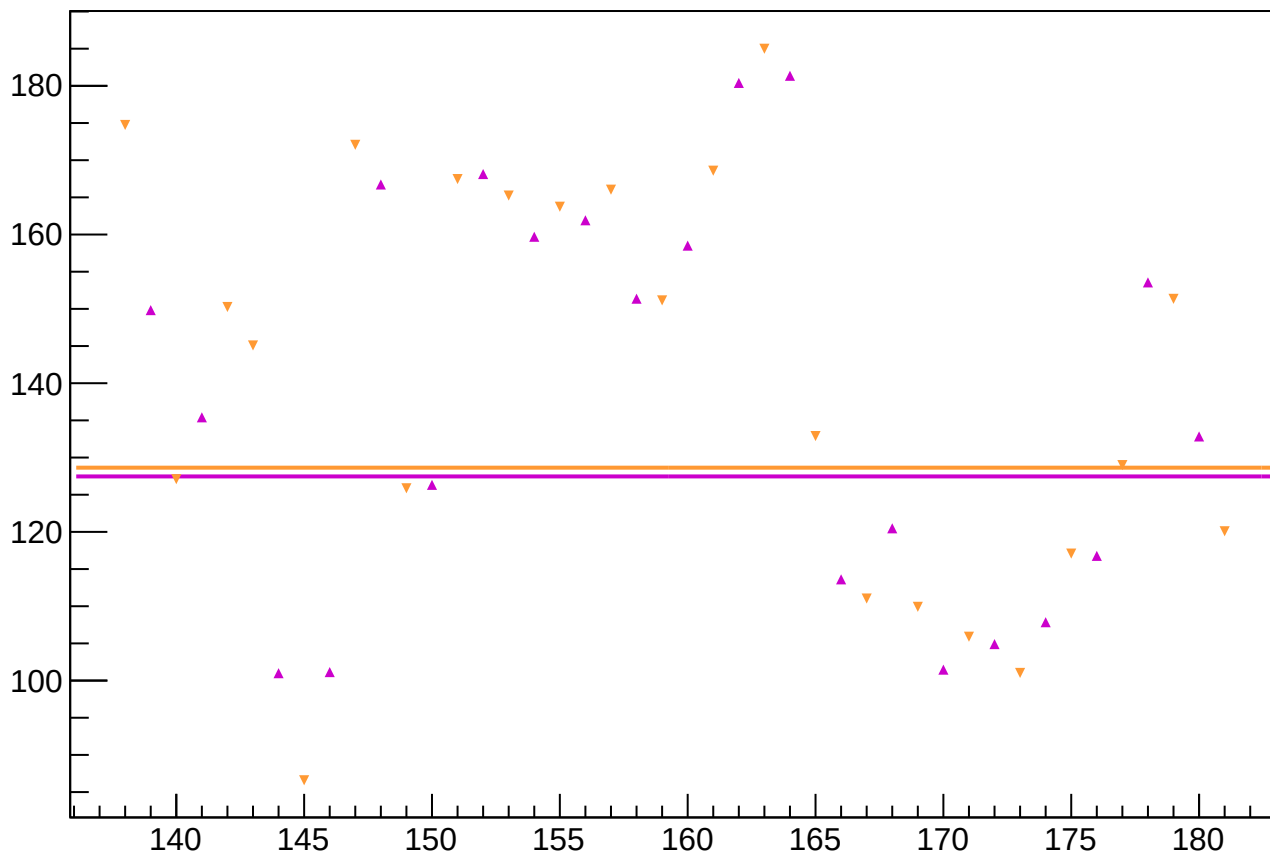
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -15.543 $\pm$ 32.053 χ^2 /NDF:29.6/20

Out: 152.293 $\pm$ 31.585 χ^2 /NDF:24.9/22

All: 69.611 $\pm$ 22.498 χ^2 /NDF: 68.5/43

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 128.639 $\pm$ 0.022 χ^2 /NDF:1508627.1/22

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

Left In: 127.461 $\pm$ 0.023 χ^2 /NDF:1229672.4/20

Left: 128.059 $\pm$ 0.016 χ^2 /NDF: 2739671.0/43

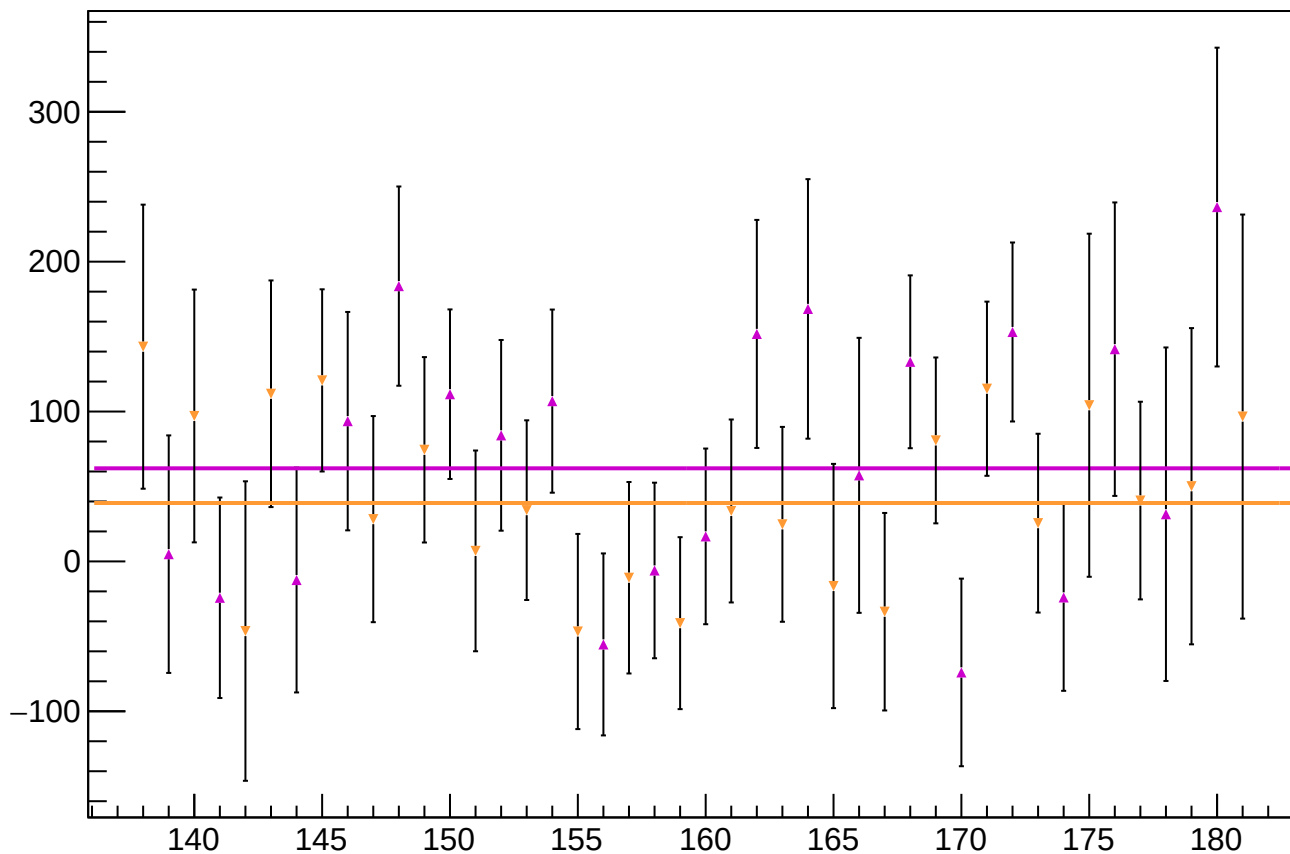
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 127.461 $\pm$ 0.023 χ^2 /NDF:1229672.4/20

Out: 128.639 $\pm$ 0.022 χ^2 /NDF:1508627.1/22

All: 128.059 $\pm$ 0.016 χ^2 /NDF: 2739671.0/43

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: 38.971 $\pm$ 14.438 χ^2 /NDF:14.6/22

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

Left In: 62.113 $\pm$ 14.993 χ^2 /NDF:30.6/20

Left: 50.105 $\pm$ 10.400 χ^2 /NDF: 46.5/43

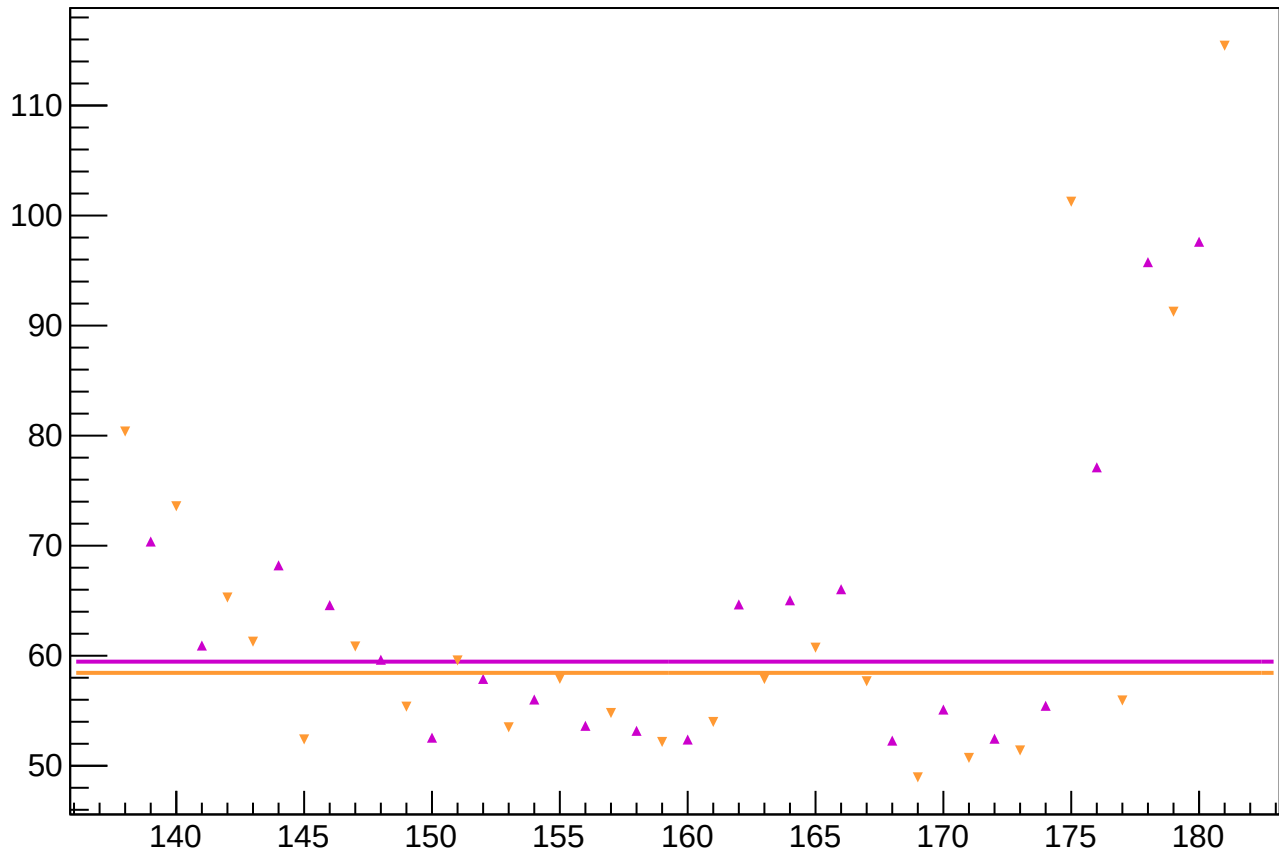
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 62.113 $\pm$ 14.993 χ^2 /NDF:30.6/20

Out: 38.971 $\pm$ 14.438 χ^2 /NDF:14.6/22

All: 50.105 $\pm$ 10.400 χ^2 /NDF: 46.5/43

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



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

Left Out: 58.444+/-0.010 χ^2/NDF :1224296.0/22

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

Left In: 59.462+/-0.011 χ^2/NDF :823843.3/20

Left: 58.934+/-0.007 χ^2/NDF : 2052926.5/43

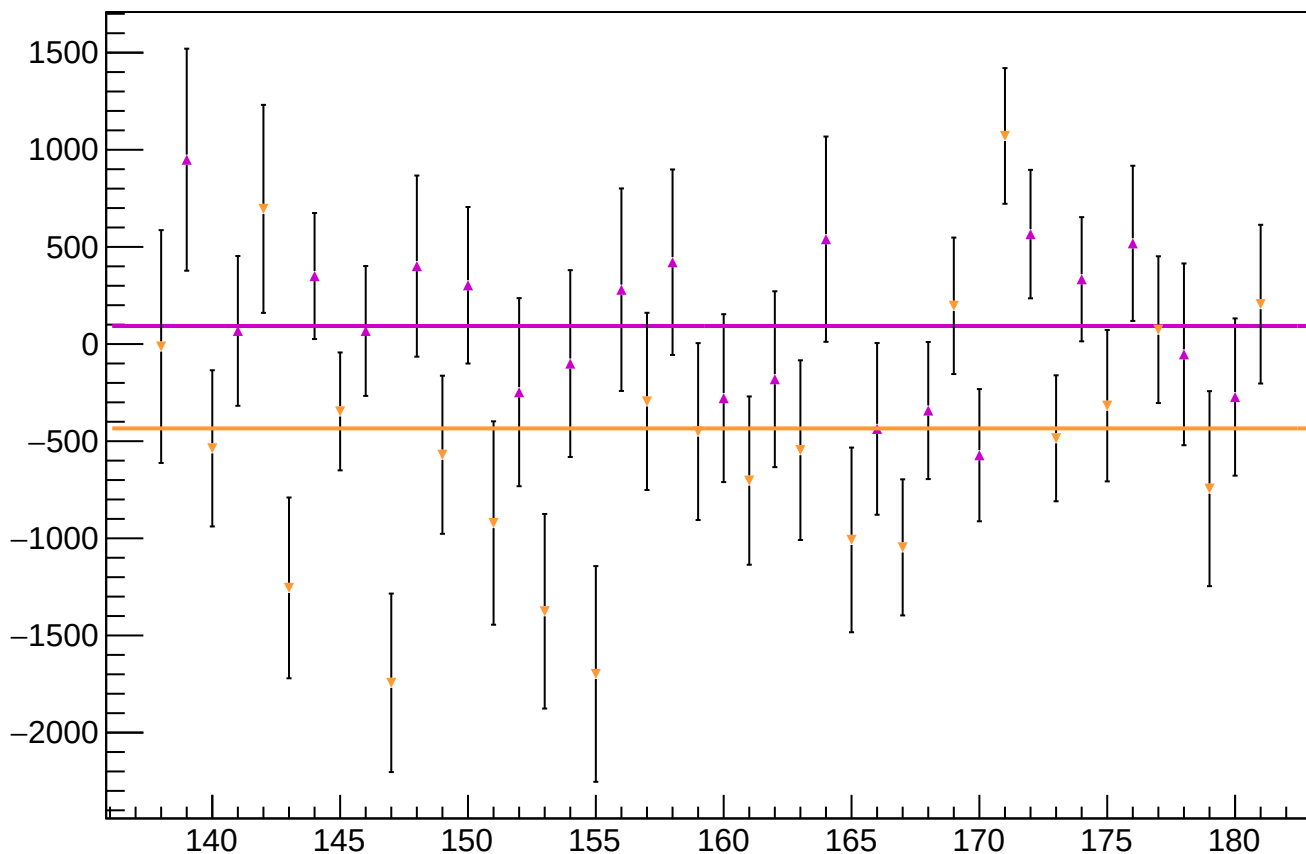
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 59.462+/-0.011 χ^2/NDF :823843.3/20

Out: 58.444+/-0.010 χ^2/NDF :1224296.0/22

All: 58.934+/-0.007 χ^2/NDF : 2052926.5/43

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -434.240 $\pm$ 87.309 χ^2 /NDF:57.7/22

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

Left In: 92.890 $\pm$ 88.680 χ^2 /NDF:18.1/20

Left: -174.783 $\pm$ 62.216 χ^2 /NDF: 93.7/43

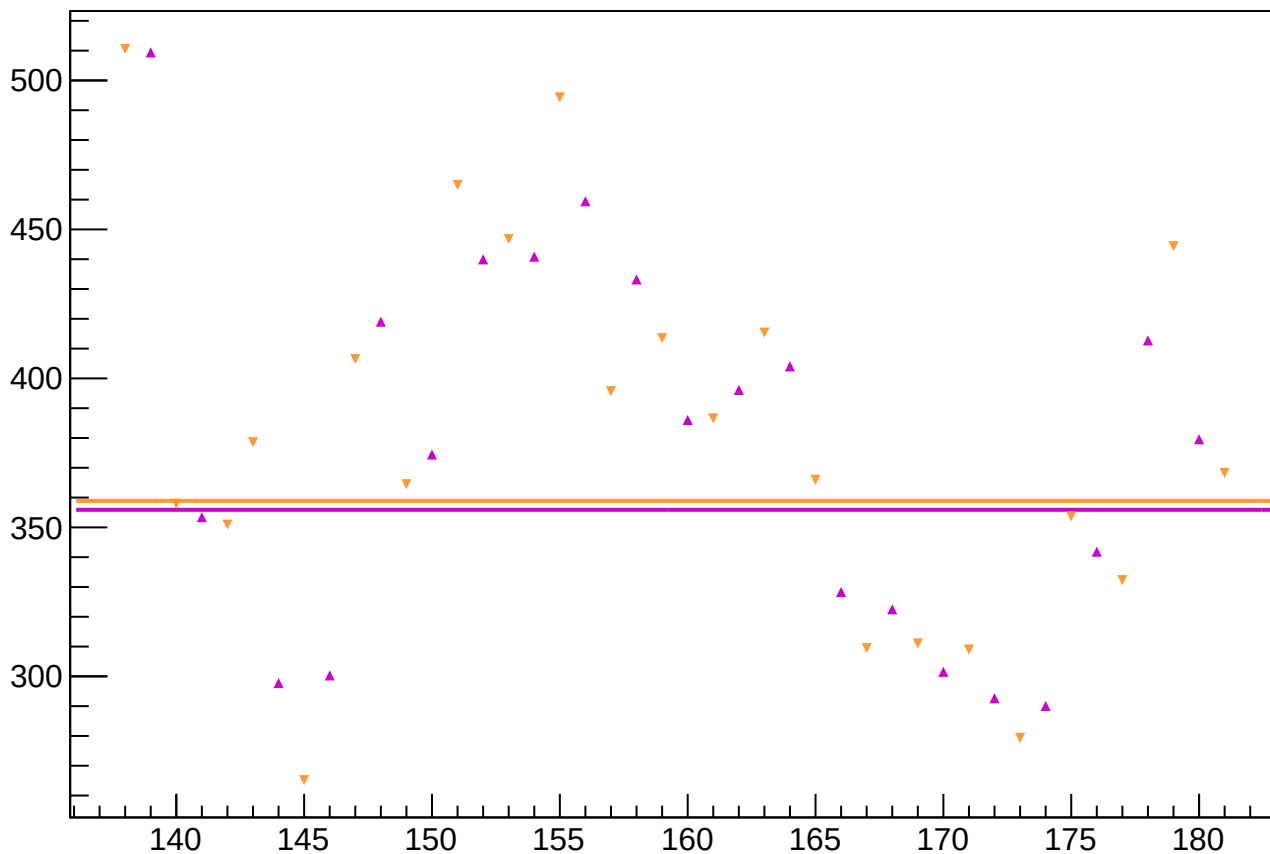
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 92.890 $\pm$ 88.680 χ^2 /NDF:18.1/20

Out: -434.240 $\pm$ 87.309 χ^2 /NDF:57.7/22

All: -174.783 $\pm$ 62.216 χ^2 /NDF: 93.7/43

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 358.888+/-0.062 χ^2/NDF :995453.4/22

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

Left In: 355.901+/-0.063 χ^2/NDF :874878.6/20

Left: 357.418+/-0.044 χ^2/NDF : 1871484.0/43

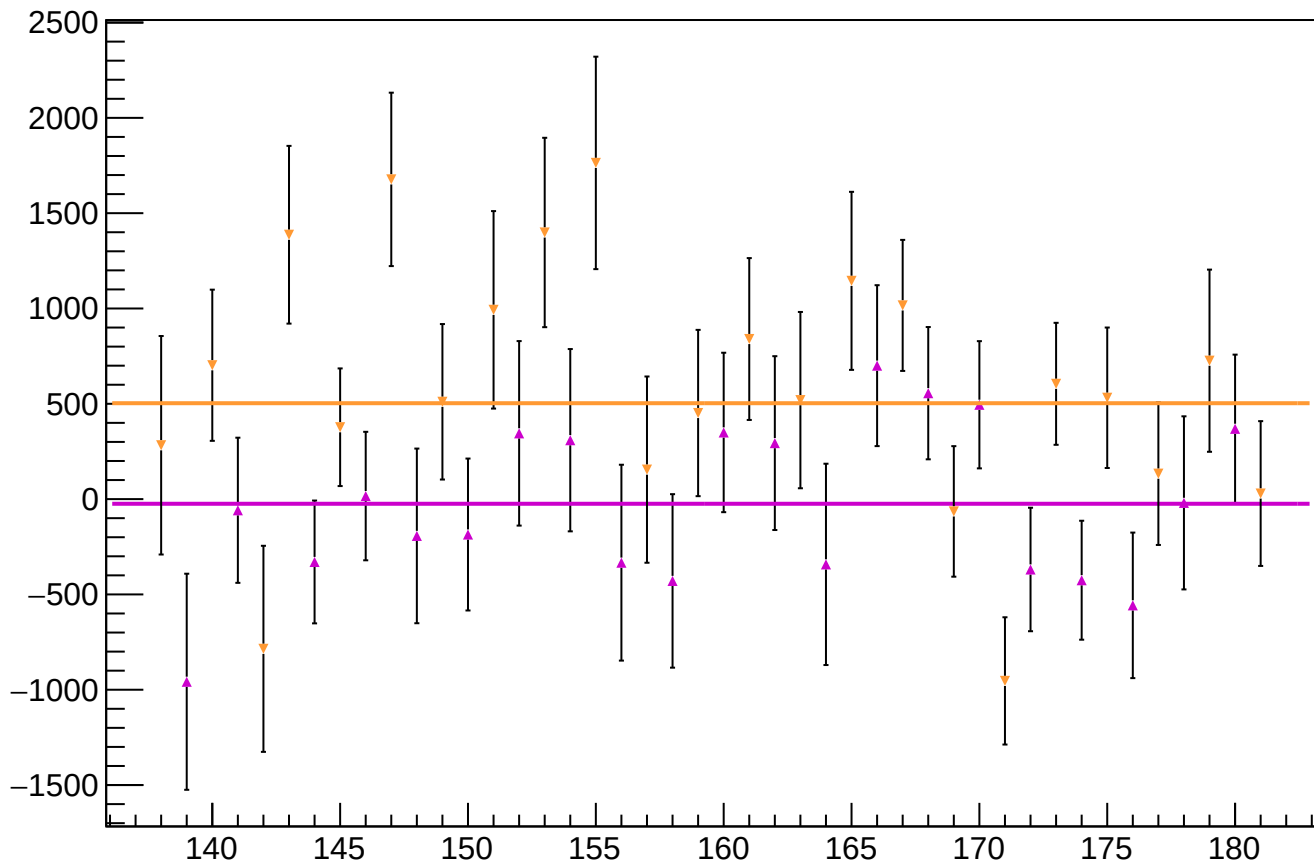
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 355.901+/-0.063 χ^2/NDF :874878.6/20

Out: 358.888+/-0.062 χ^2/NDF :995453.4/22

All: 357.418+/-0.044 χ^2/NDF : 1871484.0/43

asym_sam_1357_avg_mean vs Slug, Sign Corrected



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

Left Out: 503.089+/-85.877 χ^2/NDF :55.7/22

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

Left In: -24.430+/-87.069 χ^2/NDF :21.7/20

Left: 242.966+/-61.141 χ^2/NDF : 96.0/43

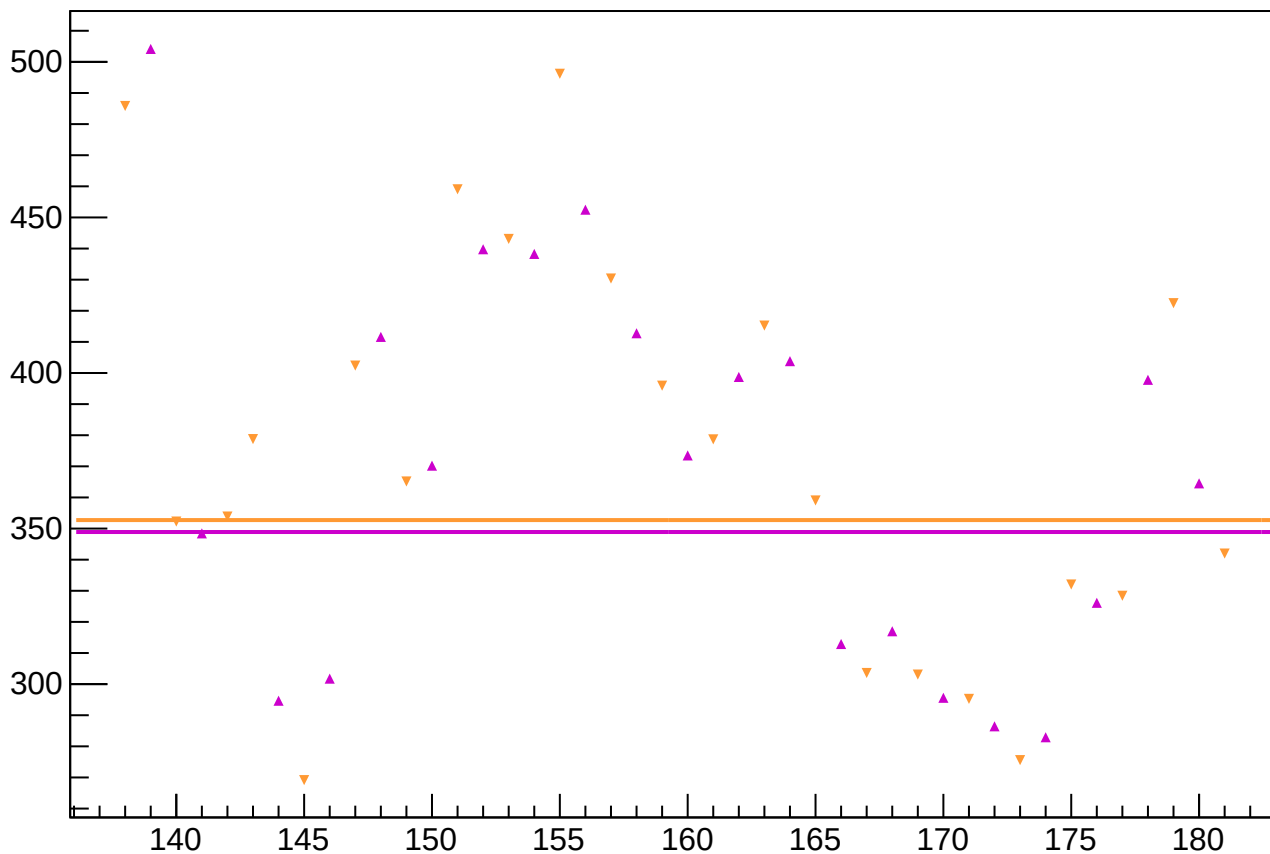
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -24.430+/-87.069 χ^2/NDF :21.7/20

Out: 503.089+/-85.877 χ^2/NDF :55.7/22

All: 242.966+/-61.141 χ^2/NDF : 96.0/43

asym_sam_1357_avg_rms vs Slug, Sign Corrected



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

Left Out: 352.727+/-0.061 χ^2/NDF :1001544.1/22

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

Left In: 348.890+/-0.062 χ^2/NDF :882487.6/20

Left: 350.835+/-0.043 χ^2/NDF : 1886000.5/43

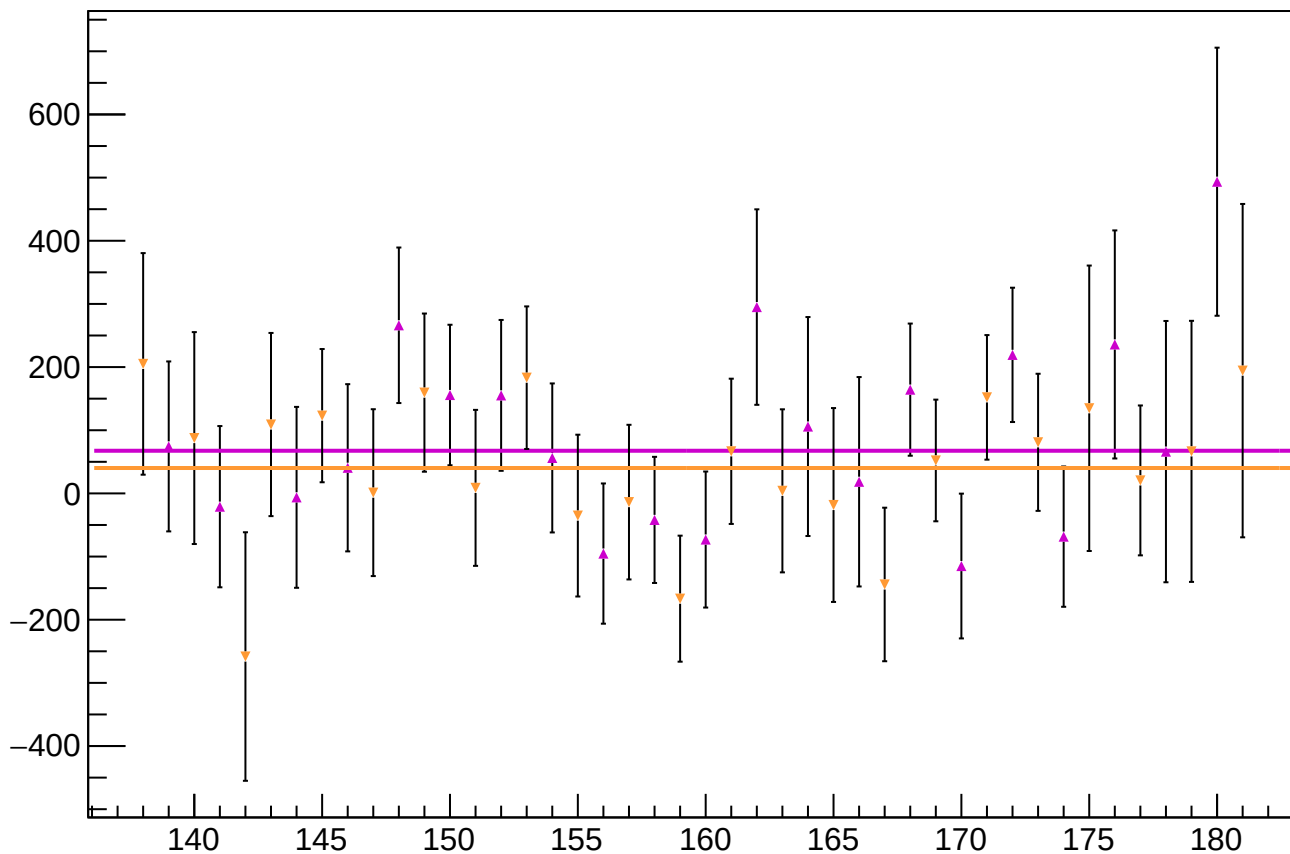
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 348.890+/-0.062 χ^2/NDF :882487.6/20

Out: 352.727+/-0.061 χ^2/NDF :1001544.1/22

All: 350.835+/-0.043 χ^2/NDF : 1886000.5/43

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: 40.209 $\pm$ 26.782 χ^2 /NDF:16.2/22

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

Left In: 67.522 $\pm$ 27.698 χ^2 /NDF:23.8/20

Left: 53.406 $\pm$ 19.253 χ^2 /NDF: 40.4/43

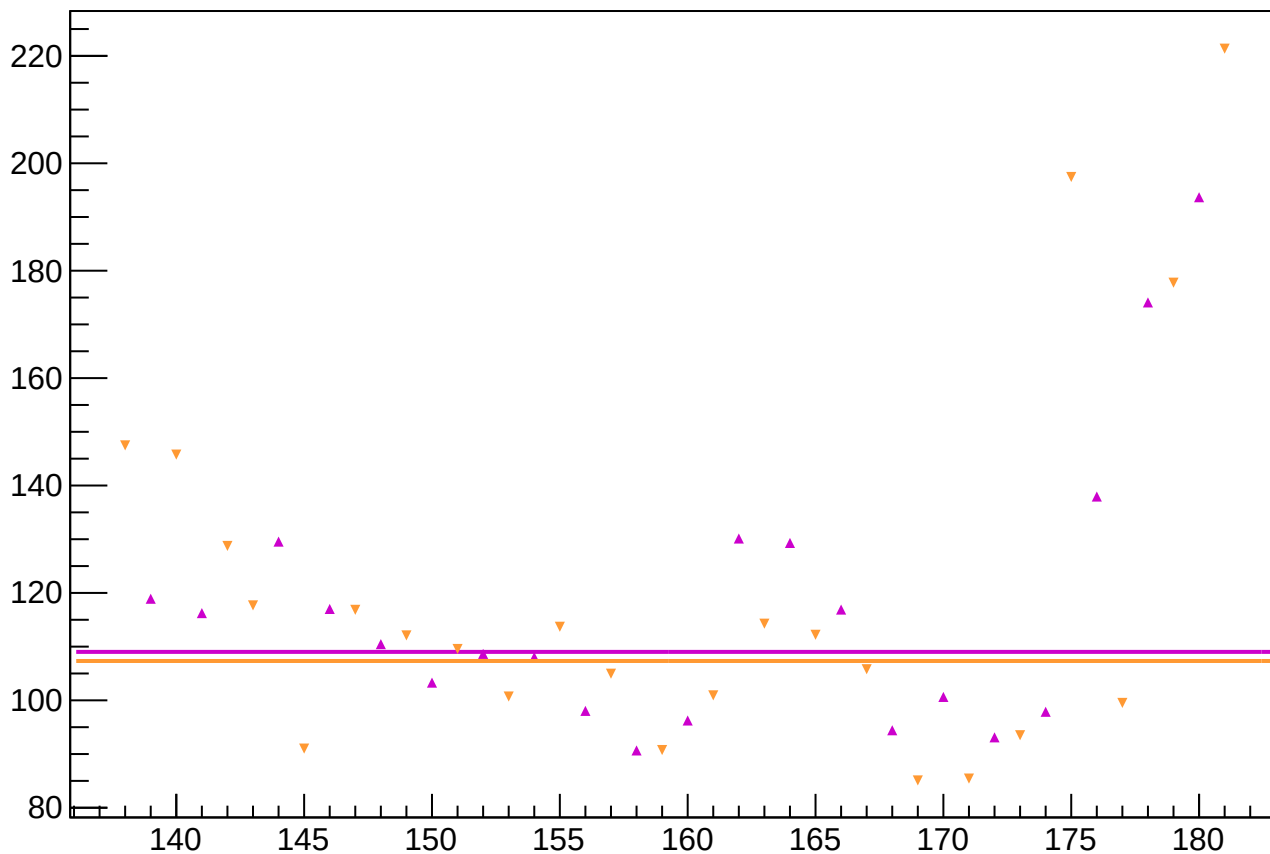
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 67.522 $\pm$ 27.698 χ^2 /NDF:23.8/20

Out: 40.209 $\pm$ 26.782 χ^2 /NDF:16.2/22

All: 53.406 $\pm$ 19.253 χ^2 /NDF: 40.4/43

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



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

Left Out: 107.328+/-0.019 χ^2/NDF :1557596.5/22

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

Left In: 109.022+/-0.020 χ^2/NDF :937839.4/20

Left: 108.146+/-0.014 χ^2/NDF : 2499302.8/43

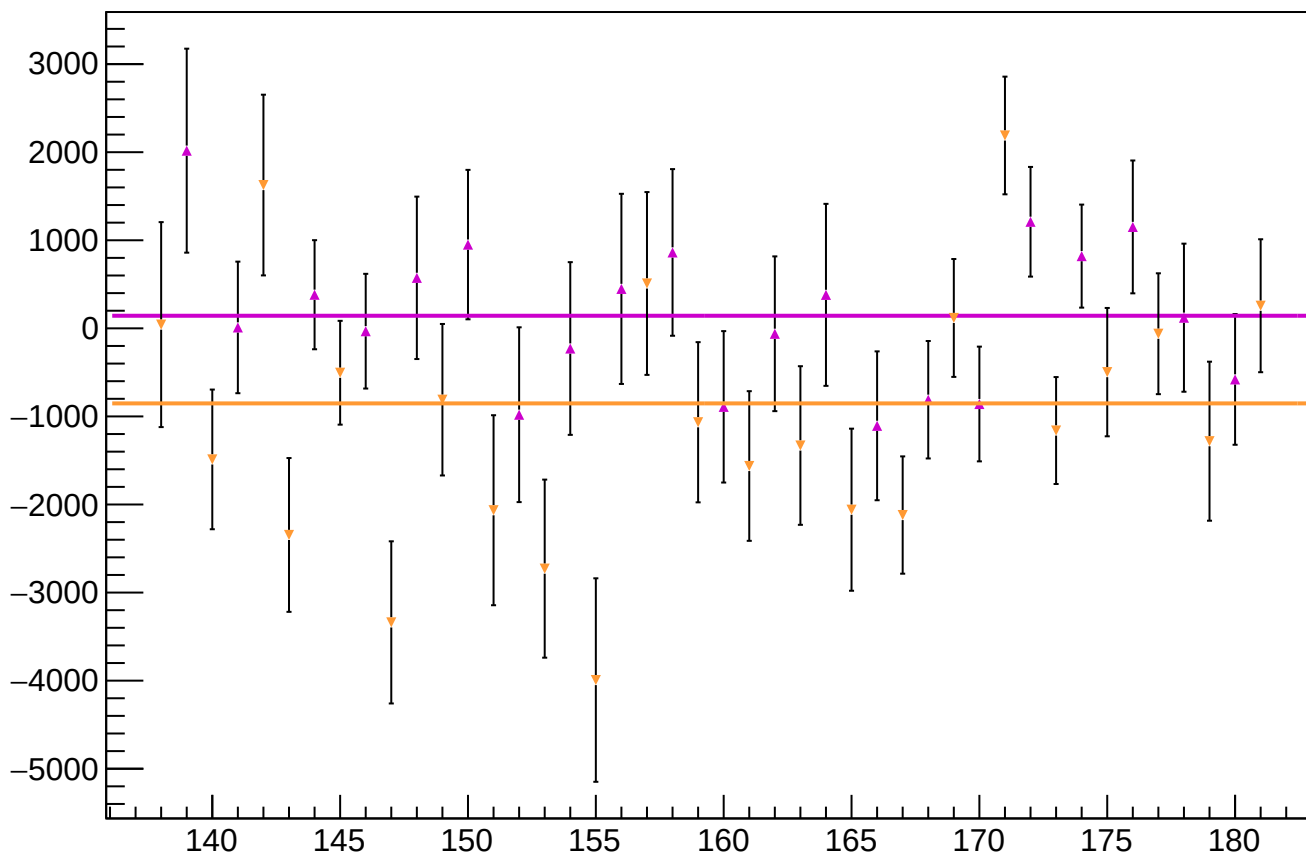
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 109.022+/-0.020 χ^2/NDF :937839.4/20

Out: 107.328+/-0.019 χ^2/NDF :1557596.5/22

All: 108.146+/-0.014 χ^2/NDF : 2499302.8/43

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -852.128+/-169.134 χ^2/NDF :64.9/22

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

Left In: 142.973+/-171.040 χ^2/NDF :21.2/20

Left: -360.154+/-120.264 χ^2/NDF : 103.3/43

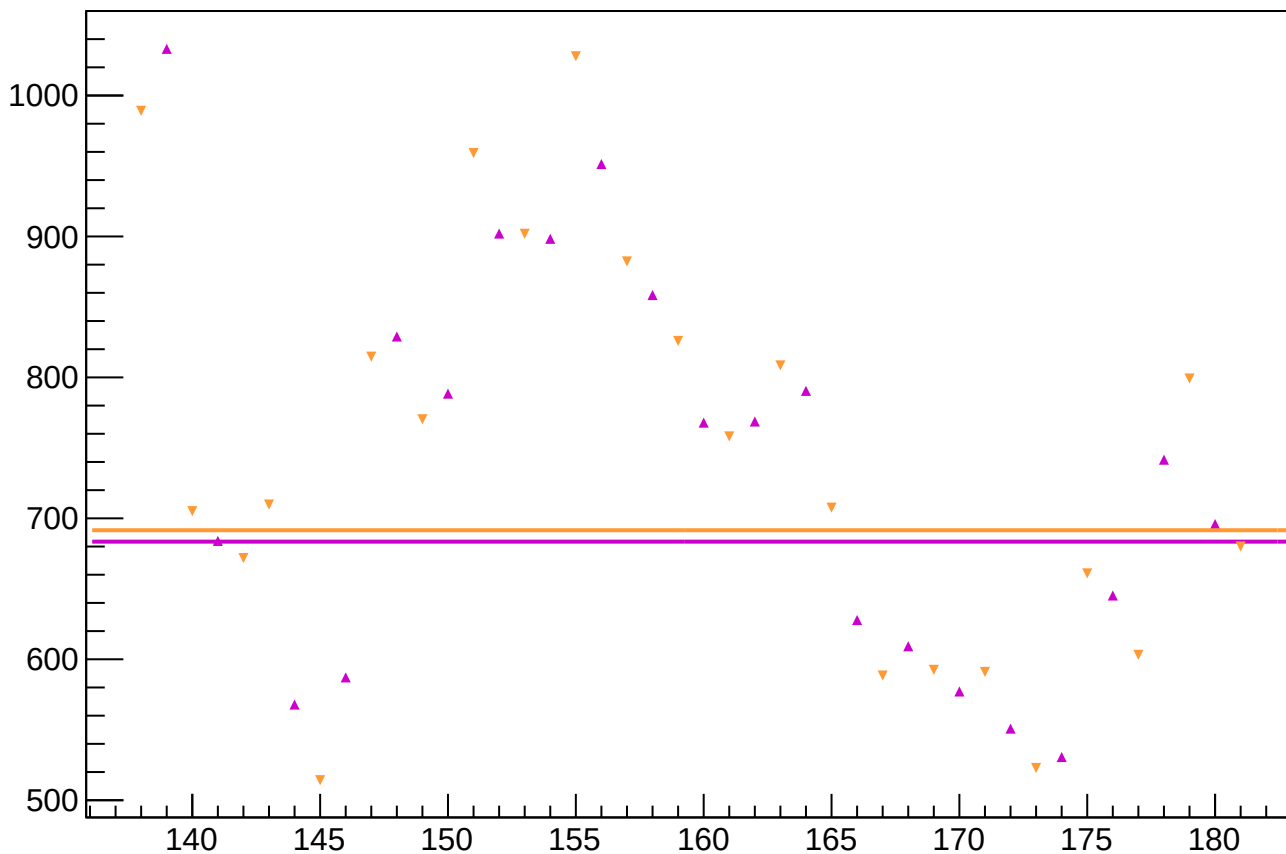
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 142.973+/-171.040 χ^2/NDF :21.2/20

Out: -852.128+/-169.134 χ^2/NDF :64.9/22

All: -360.154+/-120.264 χ^2/NDF : 103.3/43

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 691.565+/-0.120 χ^2/NDF :1260667.2/22

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

Left In: 683.469+/-0.121 χ^2/NDF :1149813.7/20

Left: 687.563+/-0.085 χ^2/NDF : 2412746.5/43

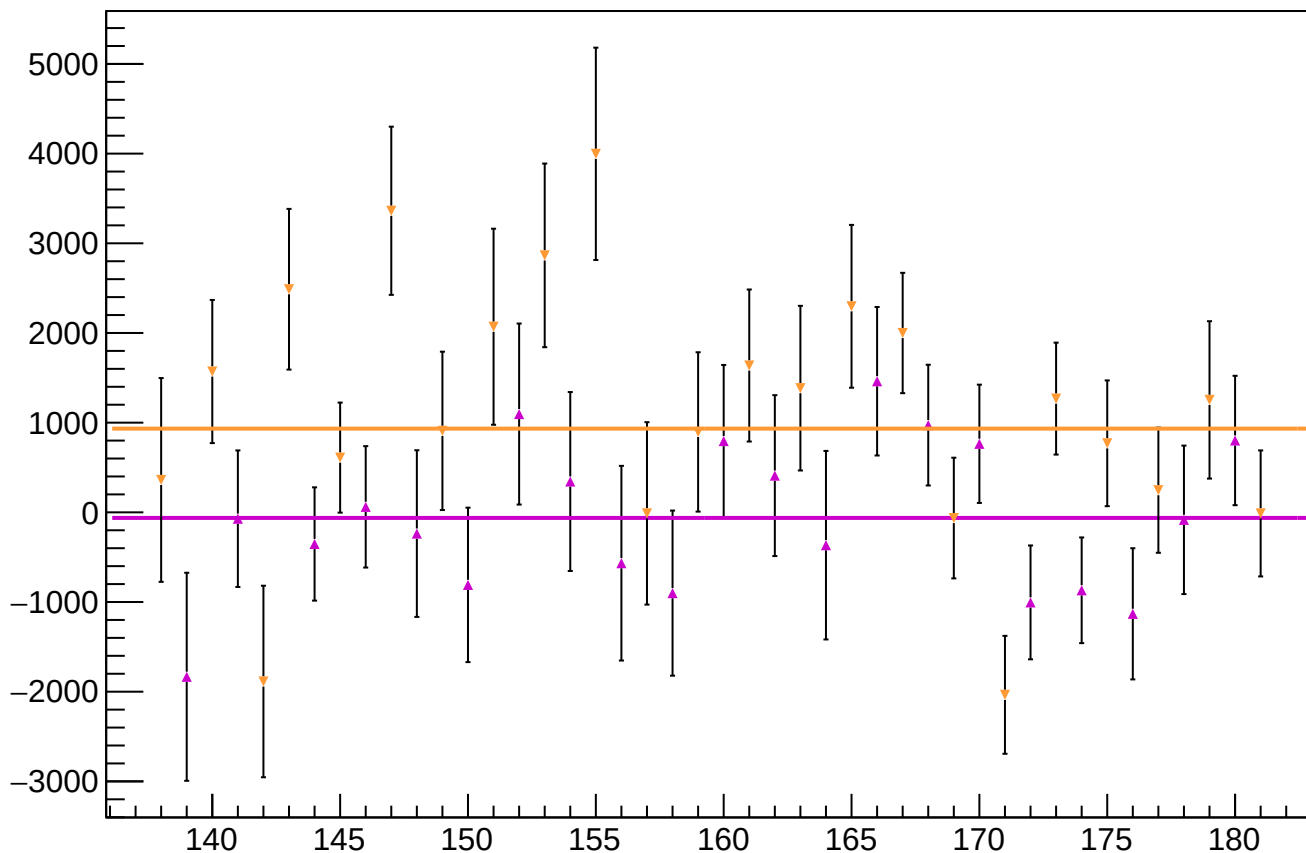
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 683.469+/-0.121 χ^2/NDF :1149813.7/20

Out: 691.565+/-0.120 χ^2/NDF :1260667.2/22

All: 687.563+/-0.085 χ^2/NDF : 2412746.5/43

asym_sam_2468_avg_mean vs Slug, Sign Corrected



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

Left Out: 933.456+/-169.531 χ^2/NDF :61.6/22

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

Left In: -62.230+/-172.032 χ^2/NDF :22.2/20

Left: 442.902+/-120.751 χ^2/NDF : 100.8/43

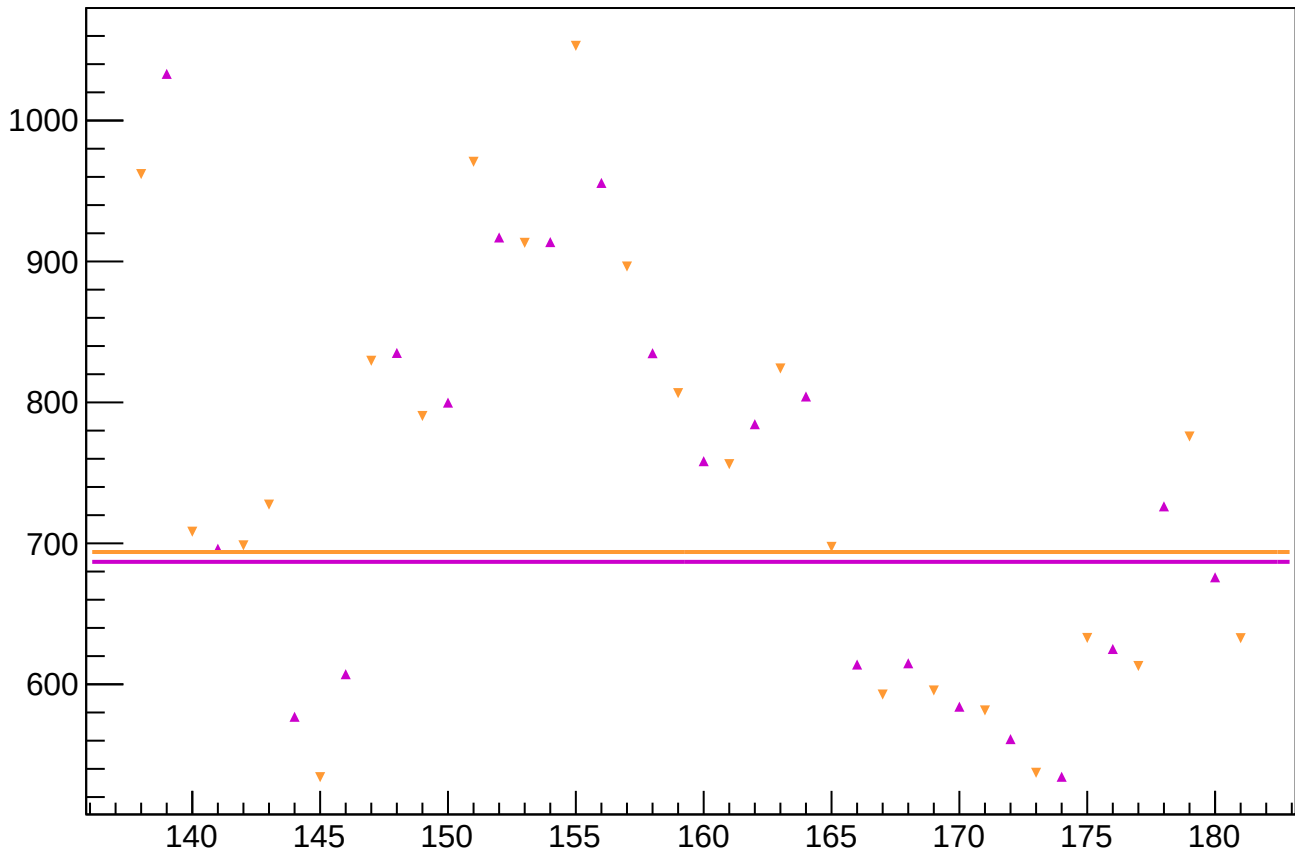
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -62.230+/-172.032 χ^2/NDF :22.2/20

Out: 933.456+/-169.531 χ^2/NDF :61.6/22

All: 442.902+/-120.751 χ^2/NDF : 100.8/43

asym_sam_2468_avg_rms vs Slug, Sign Corrected



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

Left Out: 693.867+/-0.120 χ^2/NDF :1230103.3/22

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

Left In: 686.876+/-0.122 χ^2/NDF :1115317.7/20

Left: 690.423+/-0.085 χ^2/NDF : 2347096.5/43

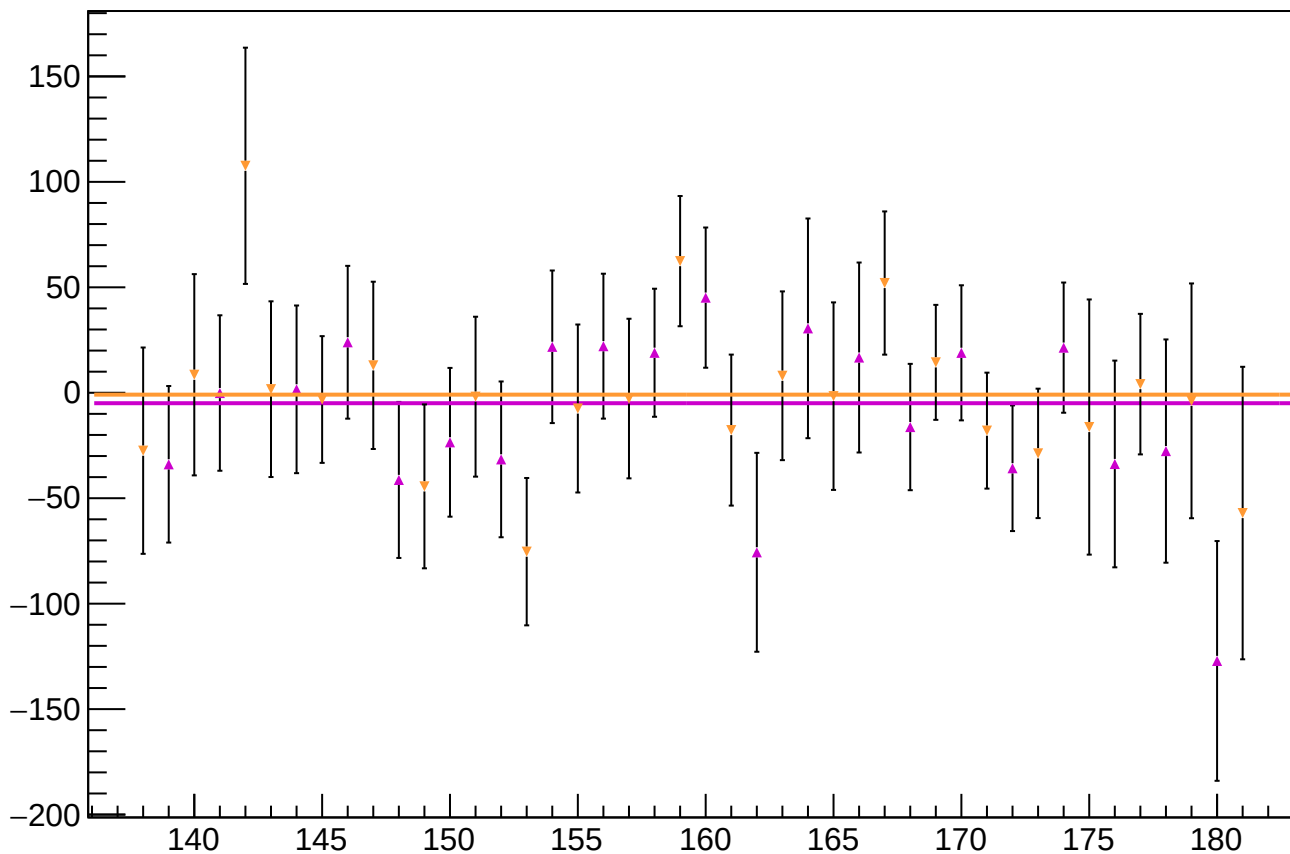
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 686.876+/-0.122 χ^2/NDF :1115317.7/20

Out: 693.867+/-0.120 χ^2/NDF :1230103.3/22

All: 690.423+/-0.085 χ^2/NDF : 2347096.5/43

dit_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: -0.888 $\pm$ 7.841 χ^2 /NDF:19.2/22

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

Left In: -4.950 $\pm$ 8.062 χ^2 /NDF:17.7/20

Left: -2.863 $\pm$ 5.621 χ^2 /NDF: 37.1/43

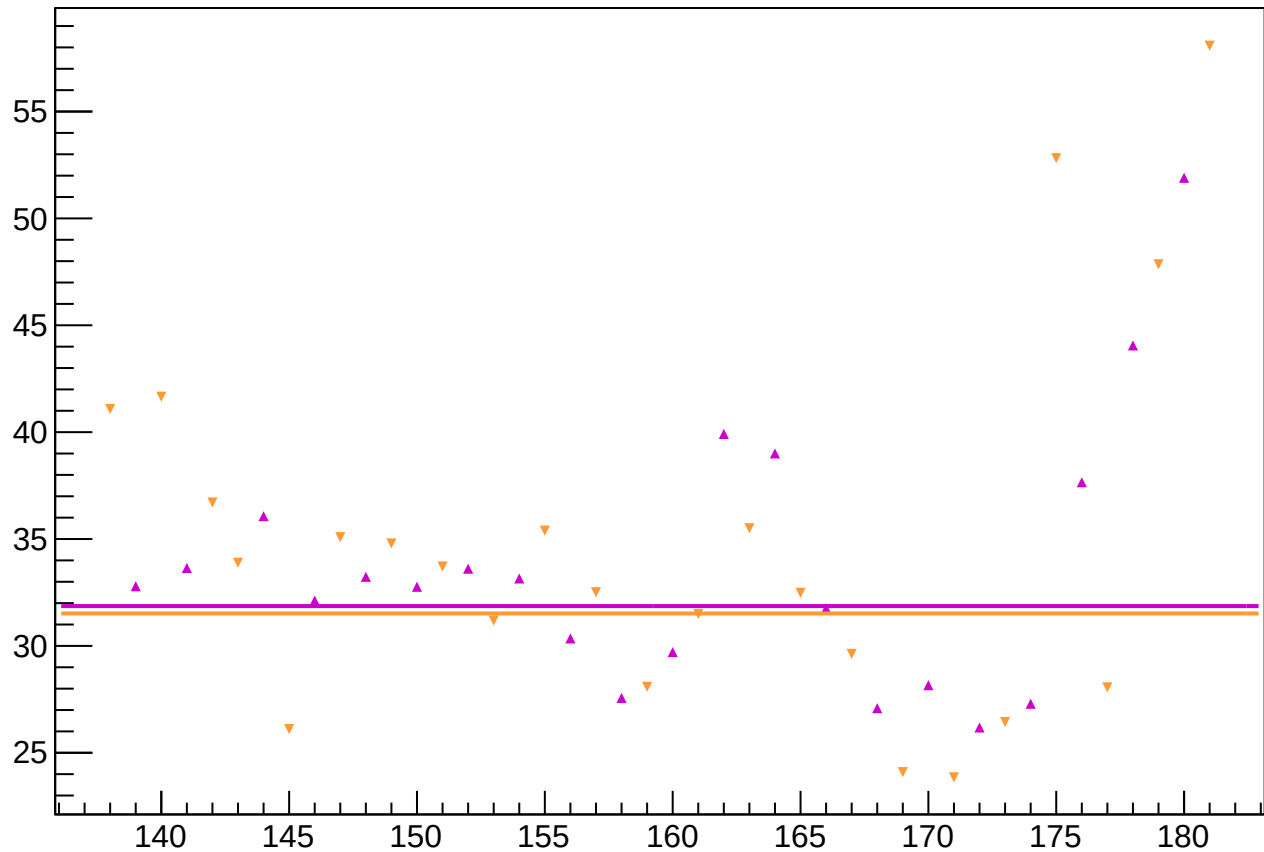
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -4.950 $\pm$ 8.062 χ^2 /NDF:17.7/20

Out: -0.888 $\pm$ 7.841 χ^2 /NDF:19.2/22

All: -2.863 $\pm$ 5.621 χ^2 /NDF: 37.1/43

dit_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



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

Left Out: 31.517+/-0.006 χ^2/NDF :1458671.0/22

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

Left In: 31.863+/-0.006 χ^2/NDF :764460.3/20

Left: 31.685+/-0.004 χ^2/NDF : 2225025.2/43

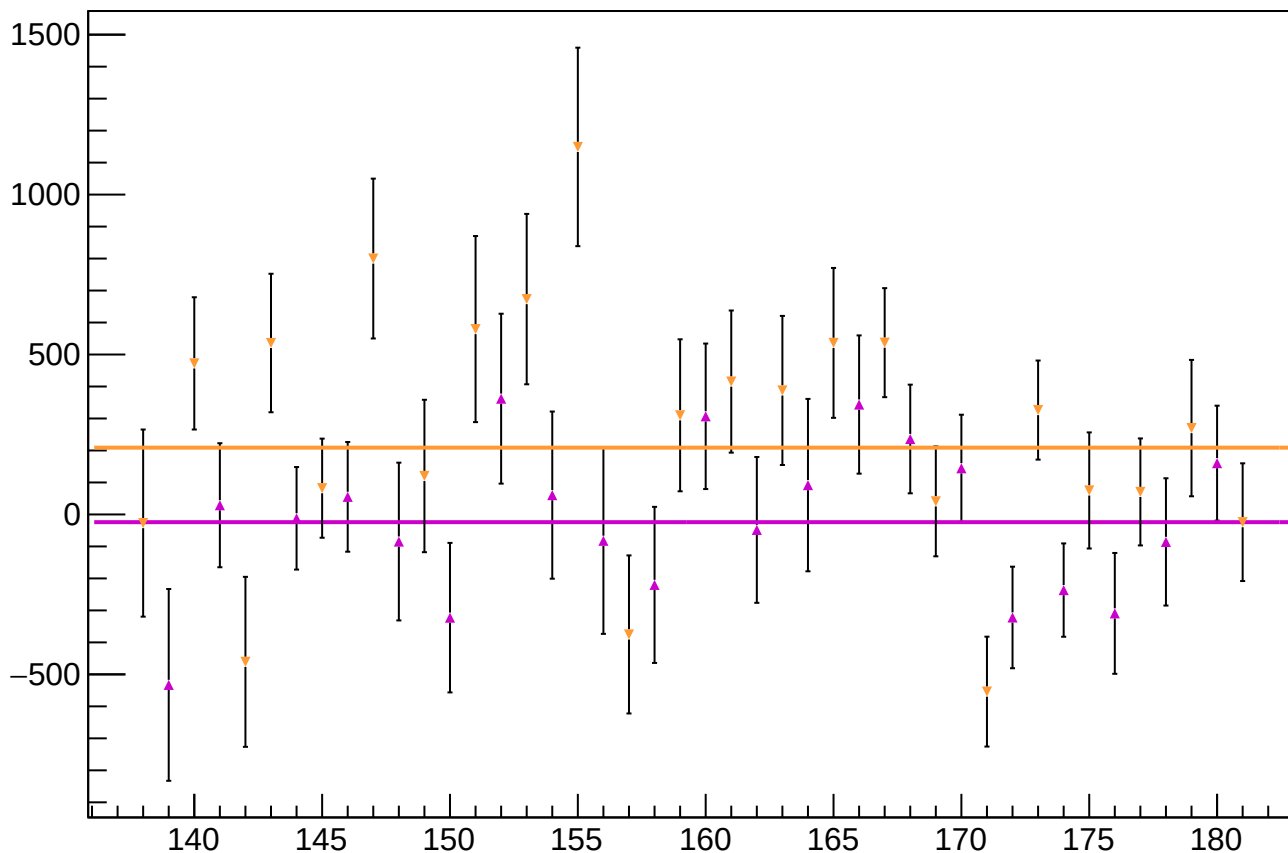
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 31.863+/-0.006 χ^2/NDF :764460.3/20

Out: 31.517+/-0.006 χ^2/NDF :1458671.0/22

All: 31.685+/-0.004 χ^2/NDF : 2225025.2/43

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: 208.869+/-43.248 χ^2/NDF :68.2/22

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

Left In: -24.146+/-43.944 χ^2/NDF :25.4/20

Left: 94.222+/-30.824 χ^2/NDF : 107.9/43

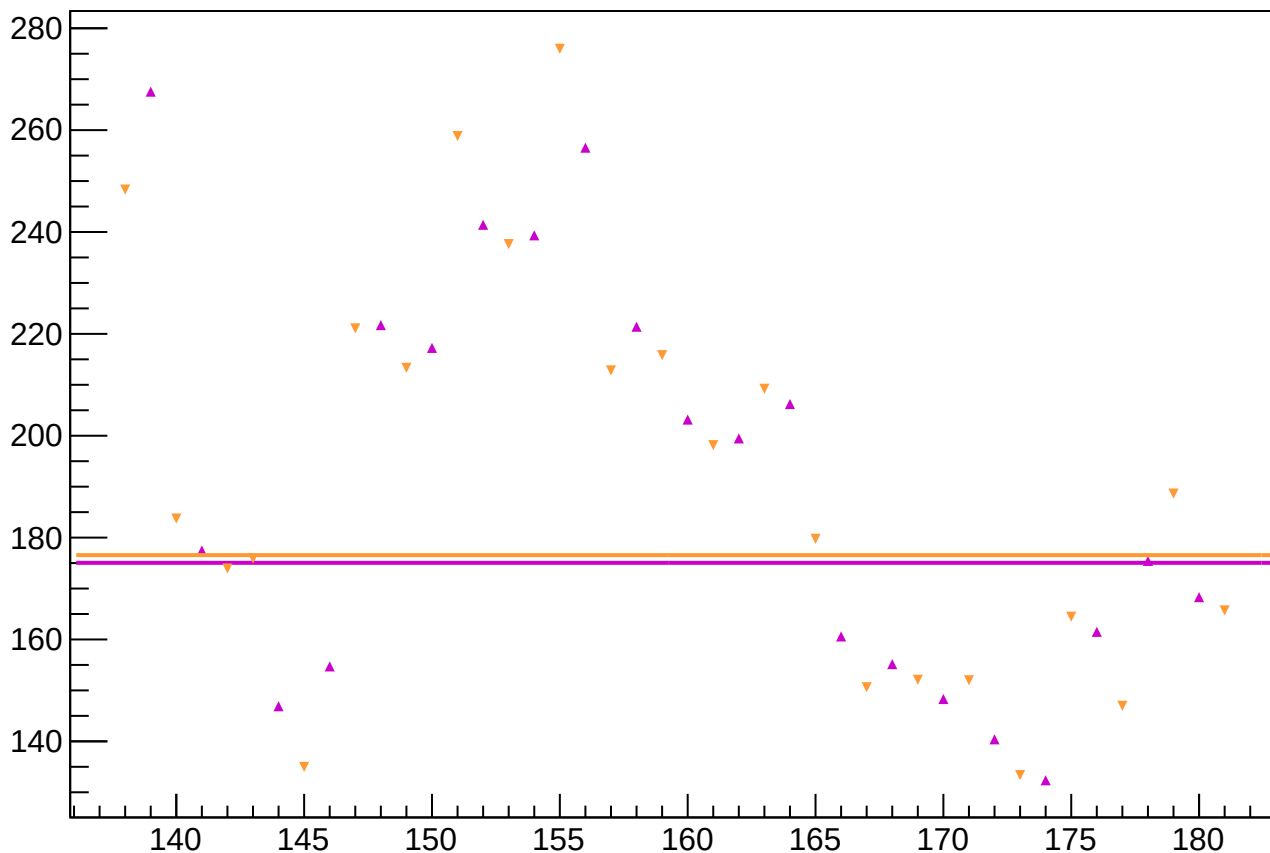
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -24.146+/-43.944 χ^2/NDF :25.4/20

Out: 208.869+/-43.248 χ^2/NDF :68.2/22

All: 94.222+/-30.824 χ^2/NDF : 107.9/43

asym_sam_1357_2468_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 176.564+/-0.031 χ^2/NDF :1372912.9/22

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

Left In: 175.051+/-0.031 χ^2/NDF :1339749.0/20

Left: 175.819+/-0.022 χ^2/NDF : 2713866.5/43

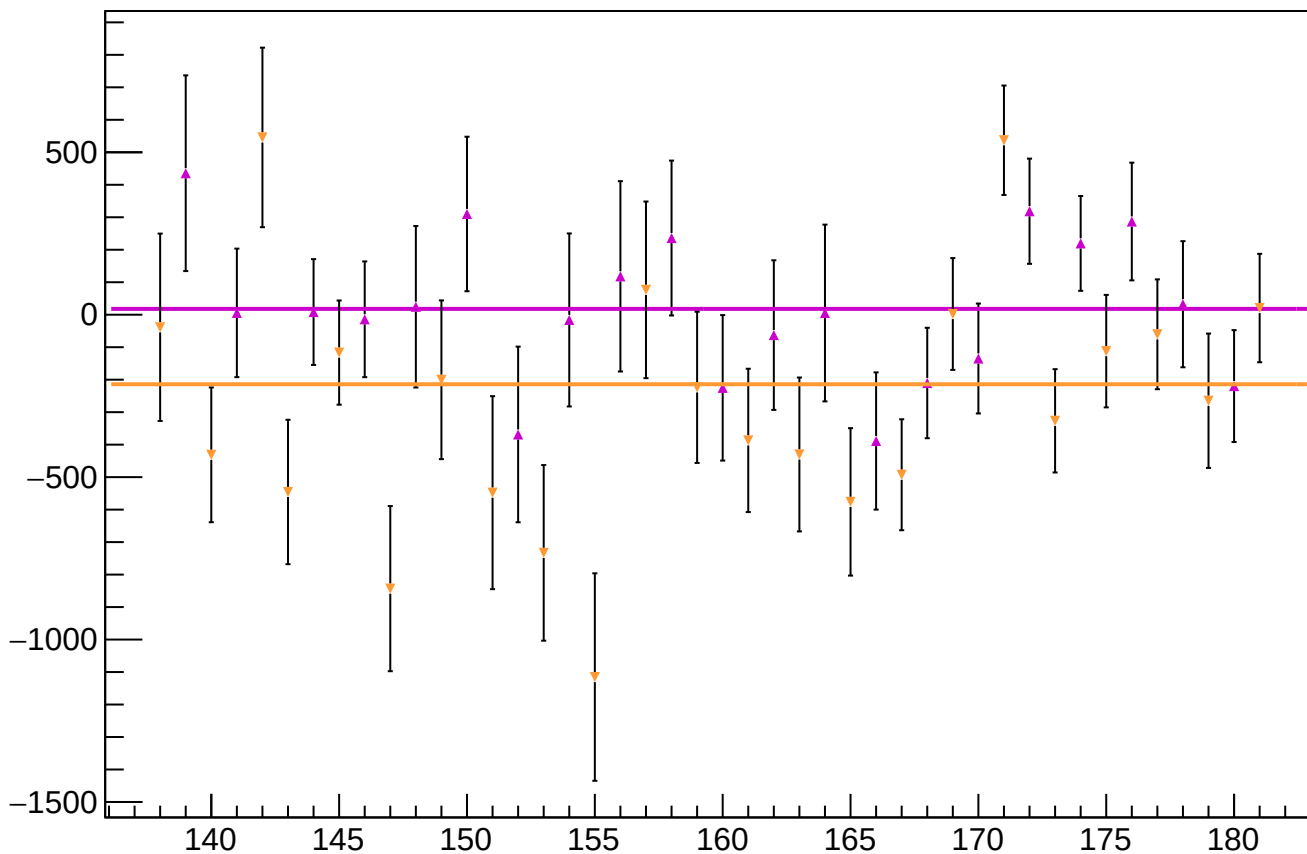
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 175.051+/-0.031 χ^2/NDF :1339749.0/20

Out: 176.564+/-0.031 χ^2/NDF :1372912.9/22

All: 175.819+/-0.022 χ^2/NDF : 2713866.5/43

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: -214.090 $\pm$ 43.243 χ^2 /NDF:63.7/22

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

Left In: 17.974 $\pm$ 43.990 χ^2 /NDF:23.6/20

Left: -100.045 $\pm$ 30.838 χ^2 /NDF: 101.4/43

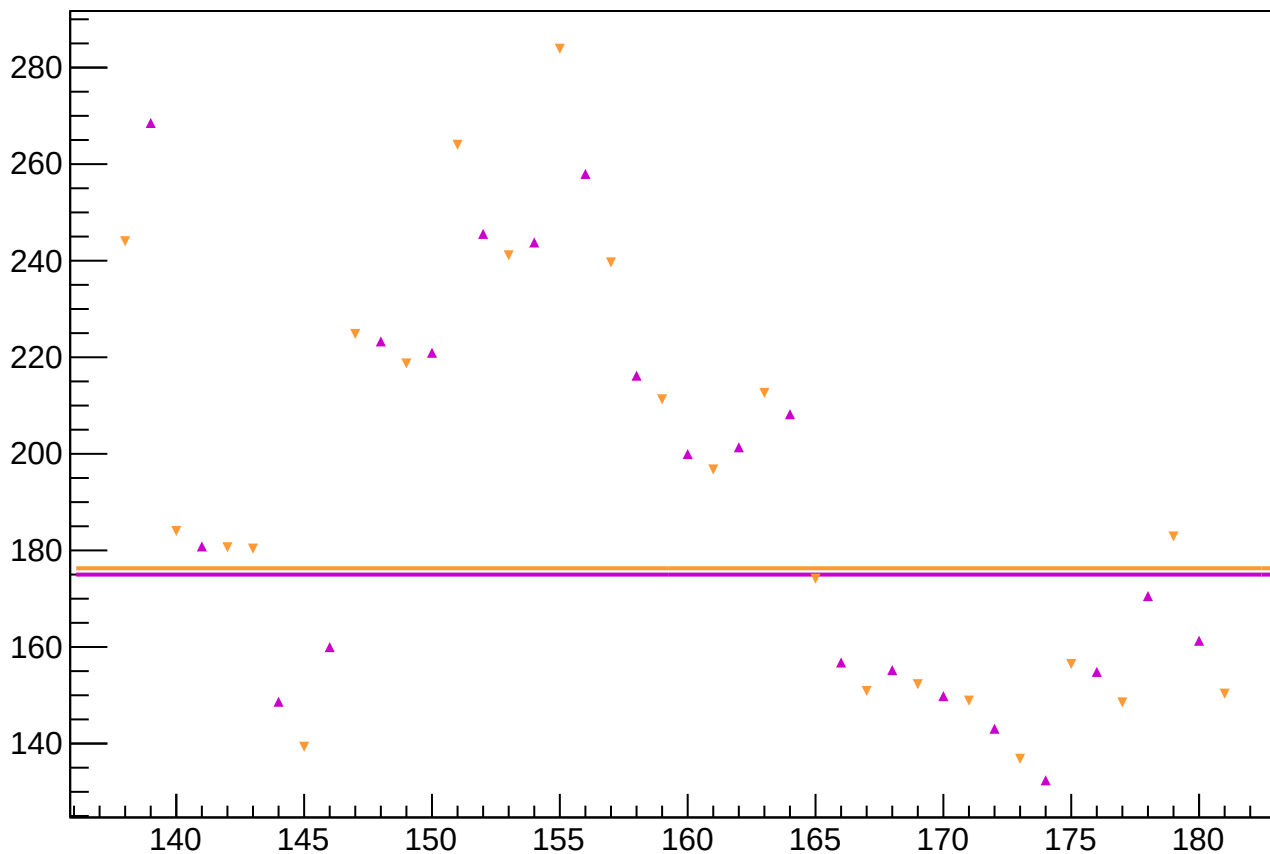
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 17.974 $\pm$ 43.990 χ^2 /NDF:23.6/20

Out: -214.090 $\pm$ 43.243 χ^2 /NDF:63.7/22

All: -100.045 $\pm$ 30.838 χ^2 /NDF: 101.4/43

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



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

Left Out: 176.303+/-0.031 χ^2/NDF :1478246.4/22

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

Left In: 174.990+/-0.031 χ^2/NDF :1354798.1/20

Left: 175.658+/-0.022 χ^2/NDF : 2833950.0/43

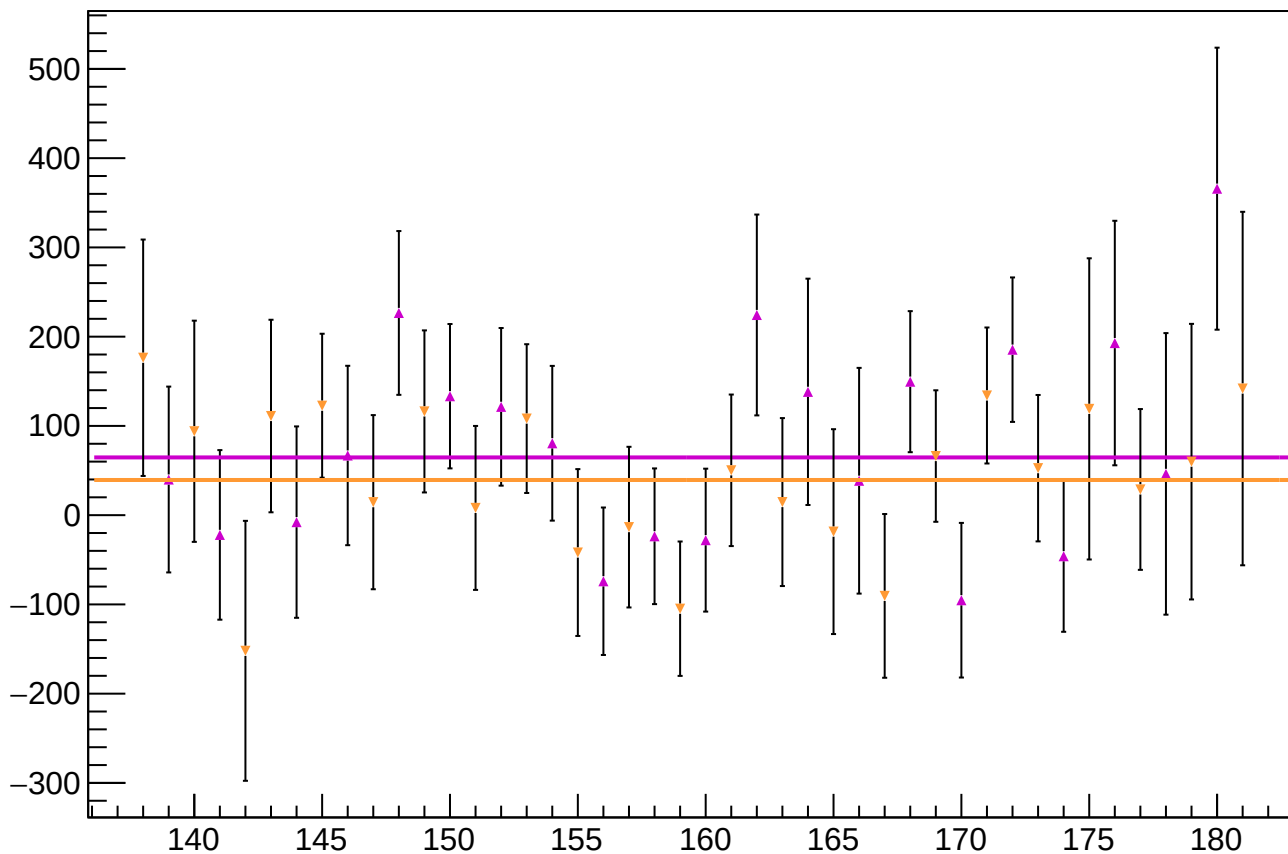
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 174.990+/-0.031 χ^2/NDF :1354798.1/20

Out: 176.303+/-0.031 χ^2/NDF :1478246.4/22

All: 175.658+/-0.022 χ^2/NDF : 2833950.0/43

dit_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



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

Left Out: 39.413 $\pm$ 20.042 χ^2 /NDF:15.4/22

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

Left In: 64.696 $\pm$ 20.761 χ^2 /NDF:26.5/20

Left: 51.609 $\pm$ 14.419 χ^2 /NDF: 42.7/43

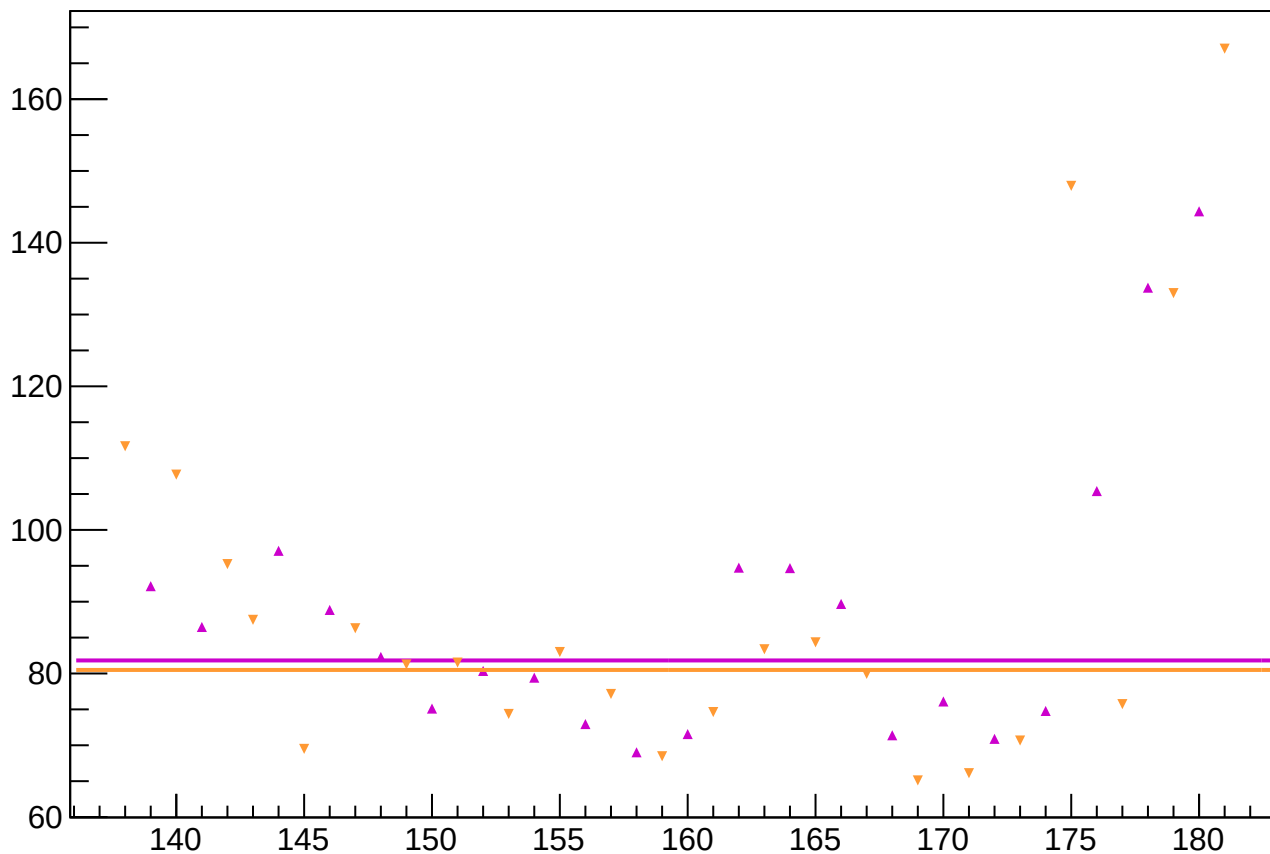
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 64.696 $\pm$ 20.761 χ^2 /NDF:26.5/20

Out: 39.413 $\pm$ 20.042 χ^2 /NDF:15.4/22

All: 51.609 $\pm$ 14.419 χ^2 /NDF: 42.7/43

dit_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



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

Left Out: 80.494+/-0.014 χ^2/NDF :1485685.0/22

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

Left In: 81.817+/-0.015 χ^2/NDF :941330.3/20

Left: 81.132+/-0.010 χ^2/NDF : 2431223.6/43

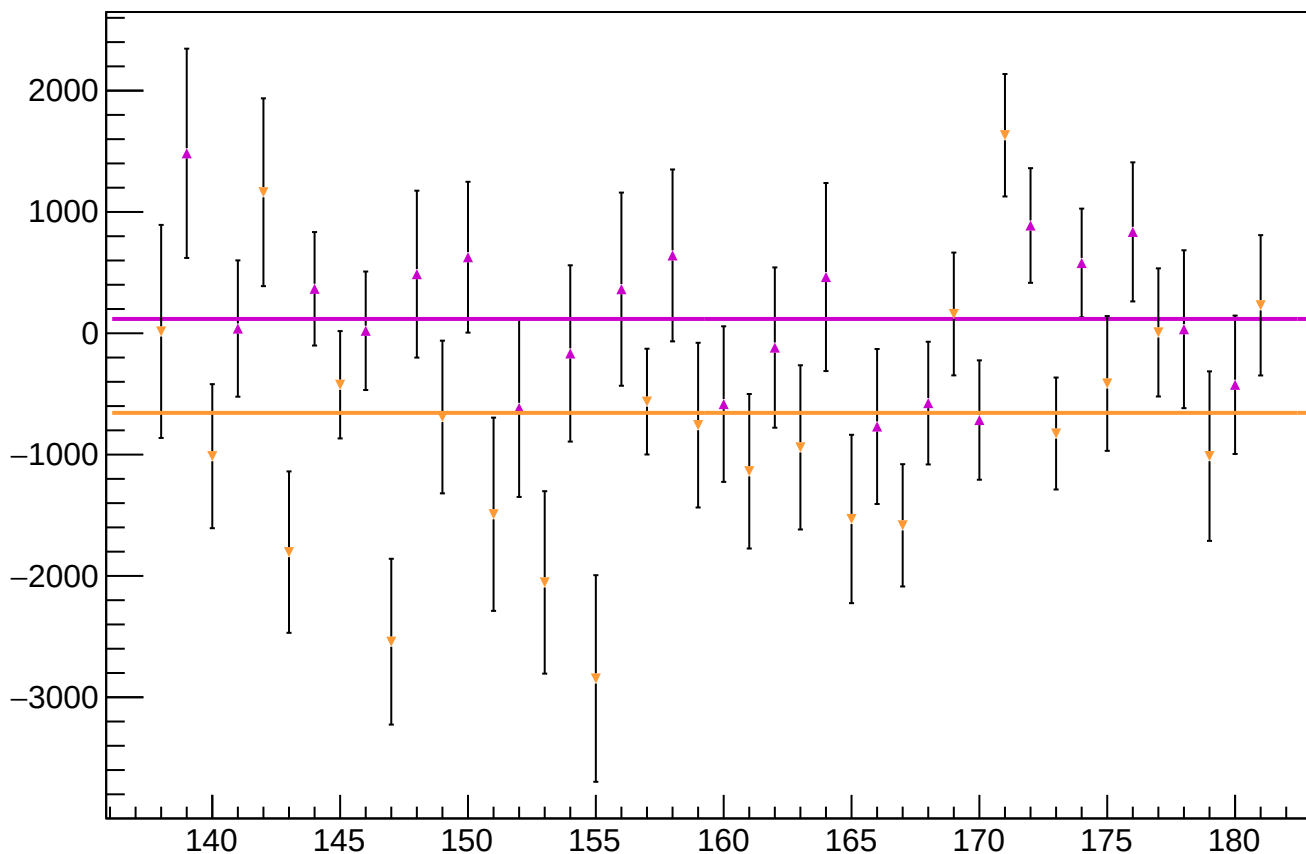
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 81.817+/-0.015 χ^2/NDF :941330.3/20

Out: 80.494+/-0.014 χ^2/NDF :1485685.0/22

All: 81.132+/-0.010 χ^2/NDF : 2431223.6/43

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -655.939+/-123.983 χ^2/NDF :62.0/22

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

Left In: 118.189+/-128.975 χ^2/NDF :20.0/20

Left: -284.146+/-89.382 χ^2/NDF : 100.7/43

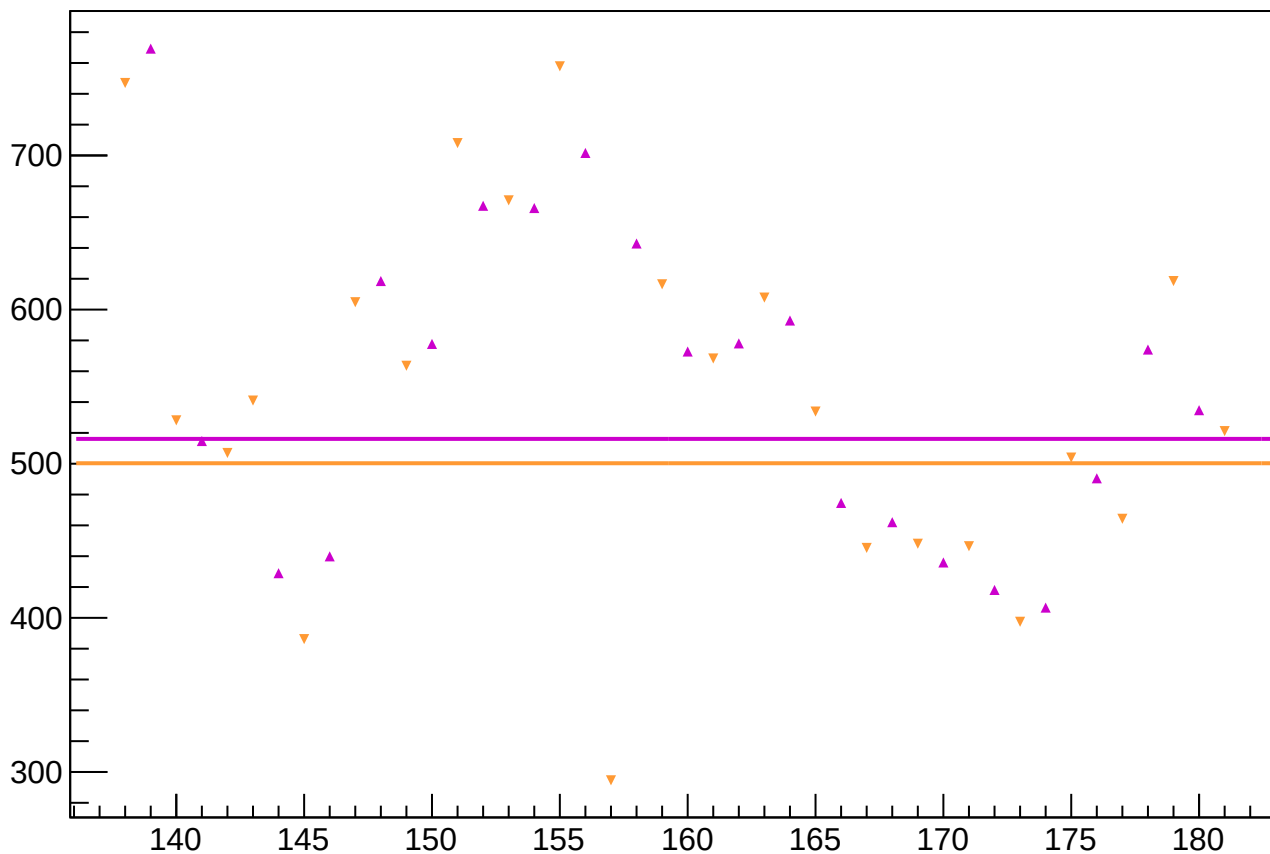
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 118.189+/-128.975 χ^2/NDF :20.0/20

Out: -655.939+/-123.983 χ^2/NDF :62.0/22

All: -284.146+/-89.382 χ^2/NDF : 100.7/43

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 500.311+/-0.088 χ^2/NDF :1610119.5/22

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

Left In: 516.110+/-0.091 χ^2/NDF :1061575.1/20

Left: 507.899+/-0.063 χ^2/NDF : 2687293.0/43

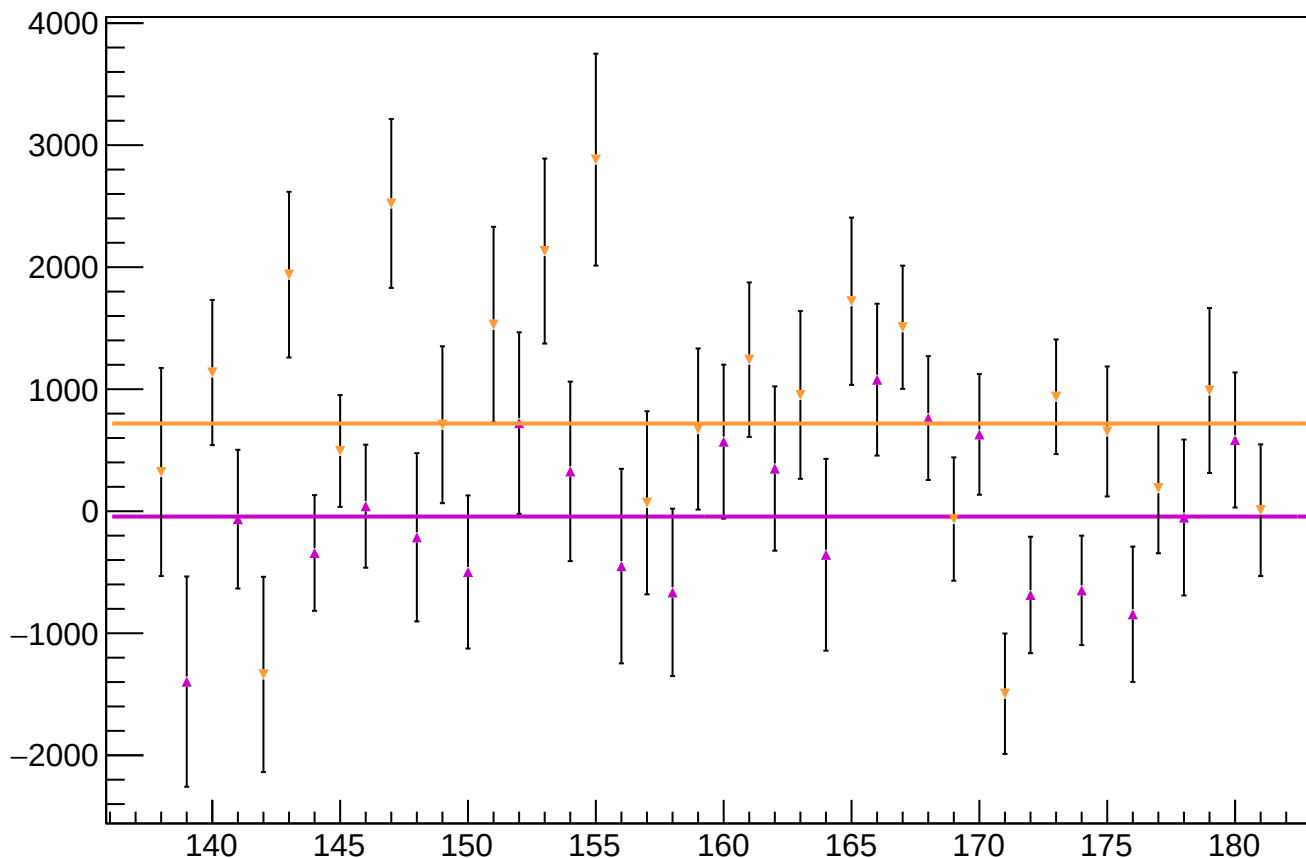
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 516.110+/-0.091 χ^2/NDF :1061575.1/20

Out: 500.311+/-0.088 χ^2/NDF :1610119.5/22

All: 507.899+/-0.063 χ^2/NDF : 2687293.0/43

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



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

Left Out: 718.791+/-127.234 χ^2/NDF :60.1/22

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

Left In: -43.739+/-129.053 χ^2/NDF :22.0/20

Left: 342.937+/-90.604 χ^2/NDF : 99.7/43

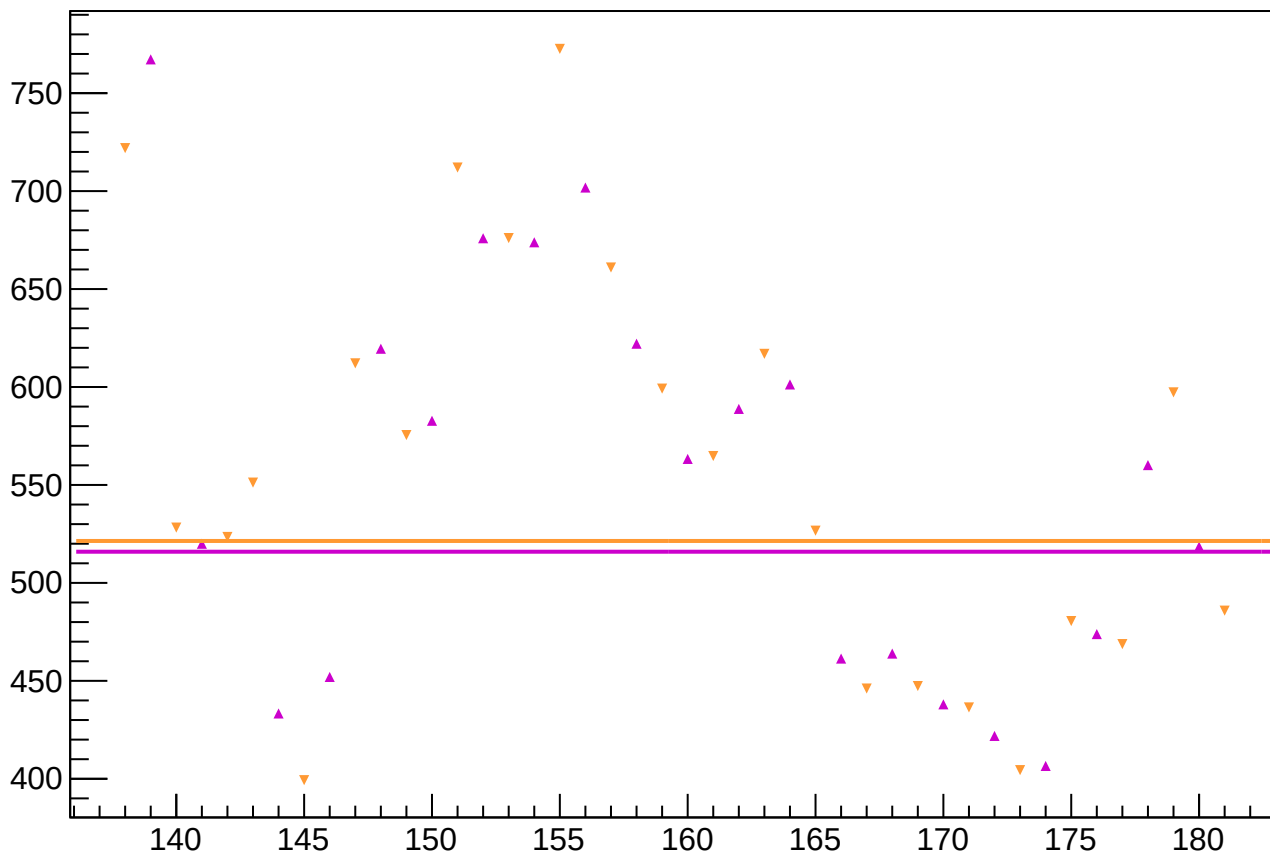
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -43.739+/-129.053 χ^2/NDF :22.0/20

Out: 718.791+/-127.234 χ^2/NDF :60.1/22

All: 342.937+/-90.604 χ^2/NDF : 99.7/43

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



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

Left Out: 521.404+/-0.090 χ^2/NDF :1149926.1/22

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

Left In: 515.916+/-0.091 χ^2/NDF :1034489.6/20

Left: 518.699+/-0.064 χ^2/NDF : 2186249.2/43

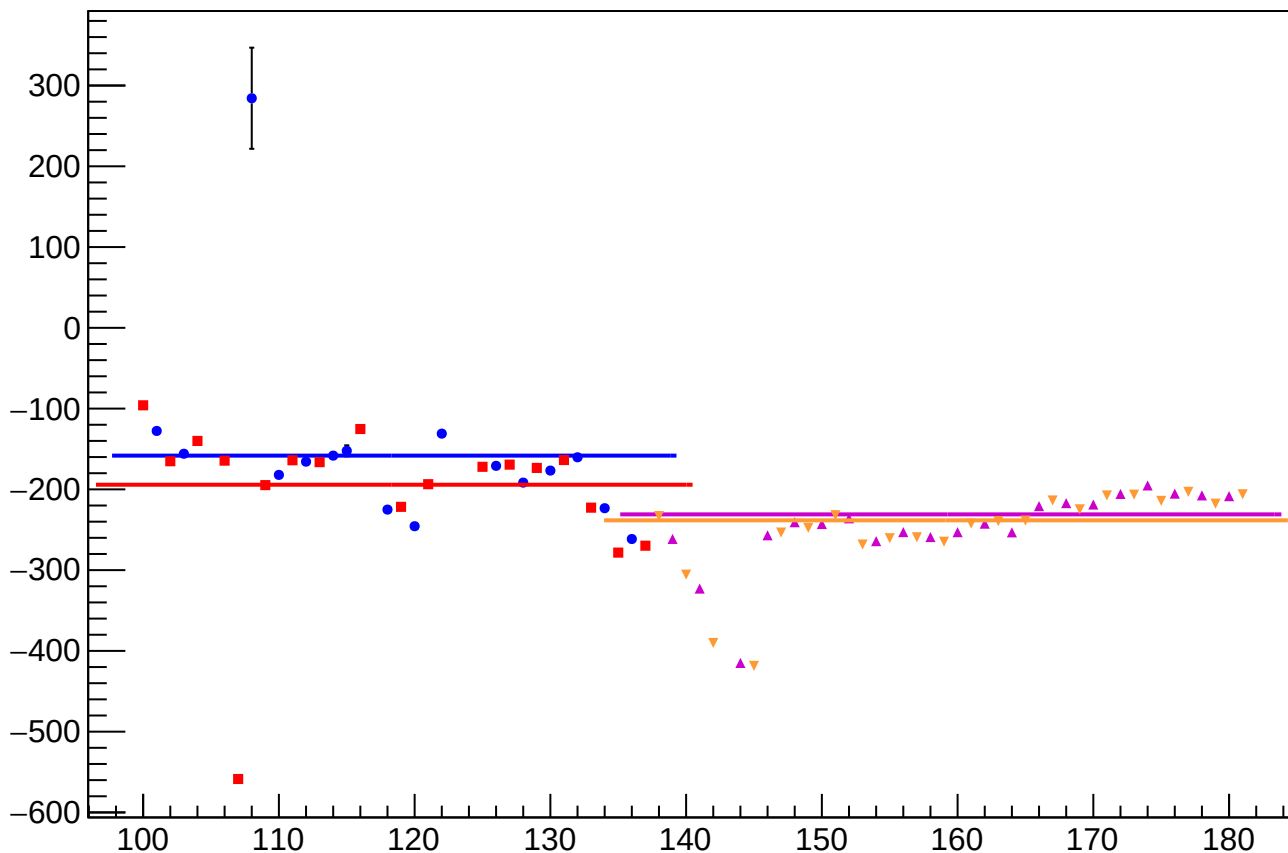
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 515.916+/-0.091 χ^2/NDF :1034489.6/20

Out: 521.404+/-0.090 χ^2/NDF :1149926.1/22

All: 518.699+/-0.064 χ^2/NDF : 2186249.2/43

dit_usl_4aX_slope vs Slug, Sign Corrected



Right In: -158.222+/-0.000 χ^2/NDF : 117166.2/15

Left Out: -238.345+/-0.113 χ^2/NDF : 74690.6/21

Right Out: -194.268+/-0.165 χ^2/NDF : 176560.4/17

Left In: -230.962+/-0.104 χ^2/NDF : 113734.0/20

Left: -234.341+/-0.077 χ^2/NDF : 190723.9/42

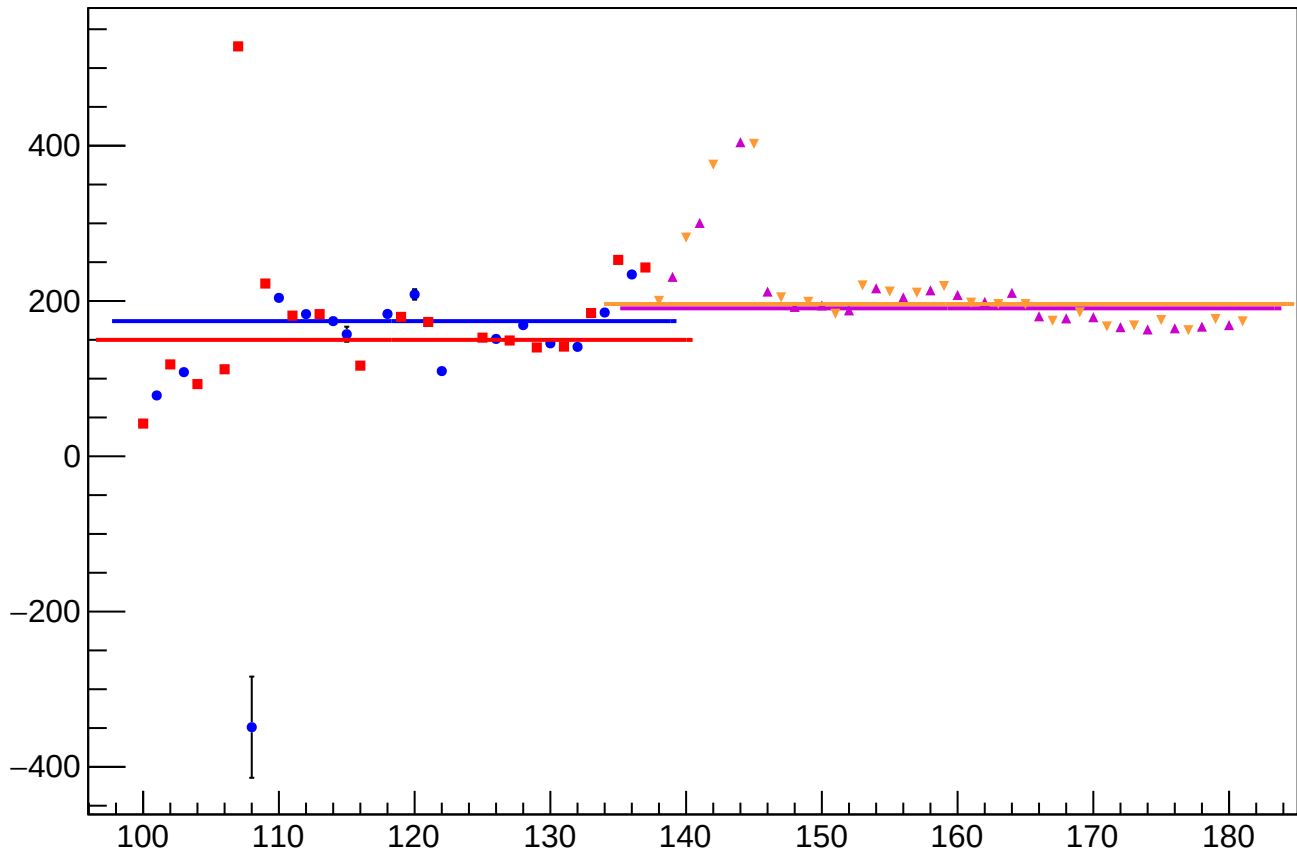
Right: -158.222+/-0.000 χ^2/NDF : 341369.6/33

In: -158.222+/-0.000 χ^2/NDF : 718482.0/36

Out: -224.224+/-0.093 χ^2/NDF : 299664.6/39

All: -158.222+/-0.000 χ^2/NDF : 1516724.1/76

dit_usl_4eX_slope vs Slug, Sign Corrected



Right In: 174.085 $\pm$ 0.000 χ^2 /NDF: 53377.4/15

Left Out: 196.101 $\pm$ 0.114 χ^2 /NDF: 69194.2/21

Right Out: 149.948 $\pm$ 0.196 χ^2 /NDF: 167846.4/17

Left In: 190.523 $\pm$ 0.105 χ^2 /NDF: 116012.6/20

Left: 193.098 $\pm$ 0.077 χ^2 /NDF: 186500.3/42

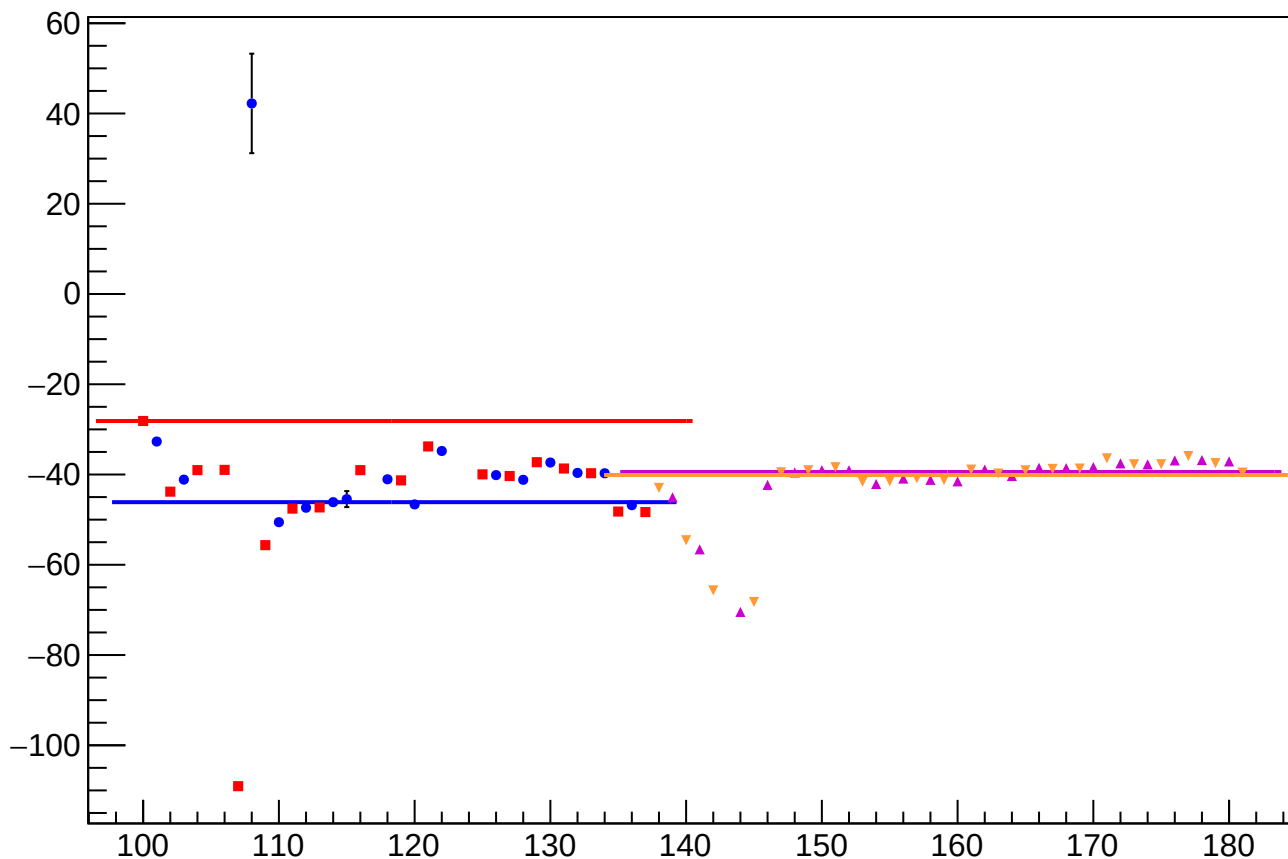
Right: 174.085 $\pm$ 0.000 χ^2 /NDF: 236460.5/33

In: 174.085 $\pm$ 0.000 χ^2 /NDF: 193729.3/36

Out: 184.424 $\pm$ 0.098 χ^2 /NDF: 278655.0/39

All: 174.085 $\pm$ 0.000 χ^2 /NDF: 483434.1/76

dit_usl_11X12X_slope vs Slug, Sign Corrected



Right In: -46.126 ± 0.000 χ^2/NDF : 201273.7/15

Left Out: -40.107 ± 0.006 χ^2/NDF : 153003.5/21

Right Out: -28.139 ± 0.000 χ^2/NDF : 746939.9/17

Left In: -39.446 ± 0.007 χ^2/NDF : 229341.6/20

Left: -39.796 ± 0.005 χ^2/NDF : 387223.2/42

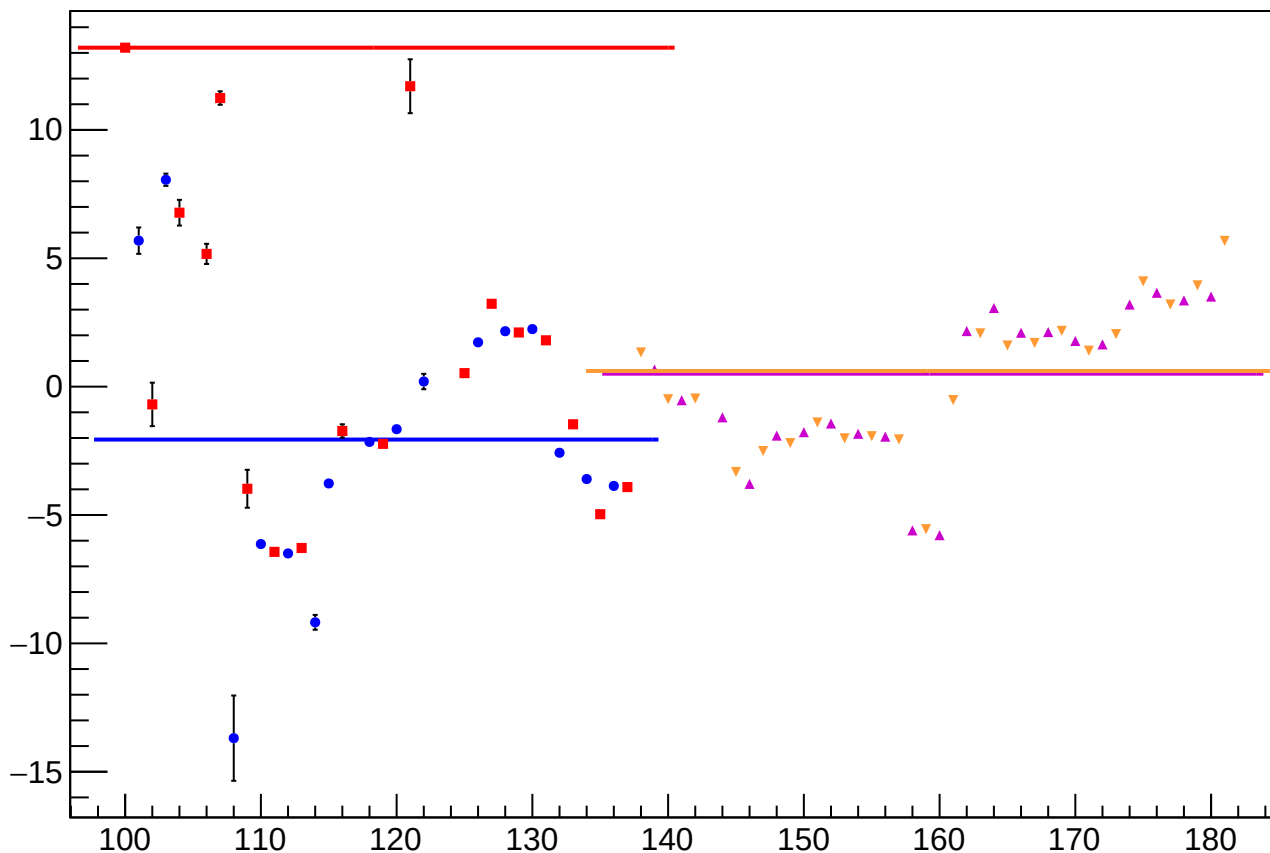
Right: -39.778 ± 0.000 χ^2/NDF : 248795993231659

In: -46.126 ± 0.000 χ^2/NDF : 1372060.0/36

Out: -28.139 ± 0.000 χ^2/NDF : 4307678.8/39

All: -39.778 ± 0.000 χ^2/NDF : 248795993231

dit_usl_4aY_slope vs Slug, Sign Corrected



Right In: -2.061 ± 0.018 $\chi^2/\text{NDF}: 25665.1/15$

Left Out: 0.610 ± 0.006 $\chi^2/\text{NDF}: 234158.4/21$

Right Out: 13.204 ± 0.000 $\chi^2/\text{NDF}: 509721.0/17$

Left In: 0.505 ± 0.005 $\chi^2/\text{NDF}: 315590.4/20$

Left: 0.547 ± 0.004 $\chi^2/\text{NDF}: 549917.8/42$

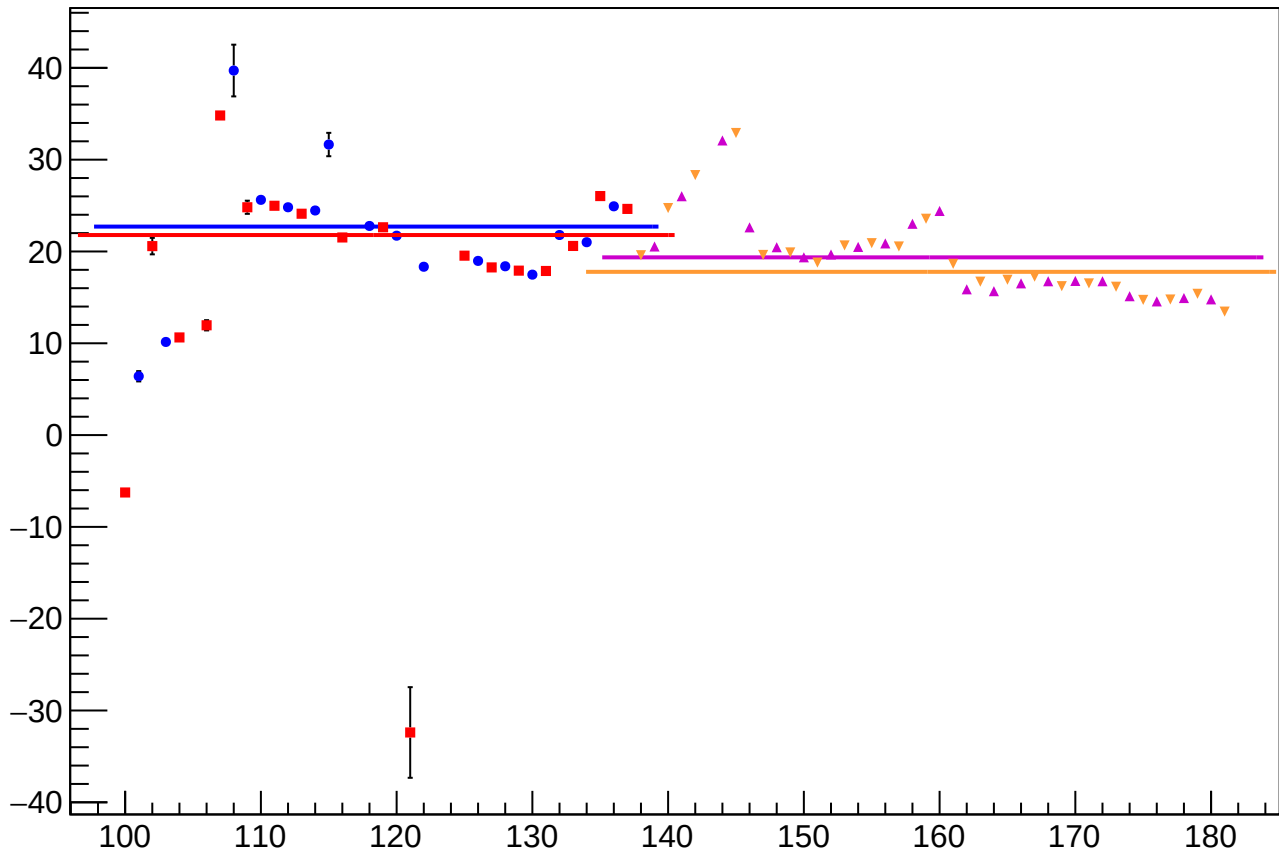
Right: 13.204 ± 0.000 $\chi^2/\text{NDF}: 1268800.5/33$

In: 0.310 ± 0.005 $\chi^2/\text{NDF}: 360400.9/36$

Out: 13.204 ± 0.000 $\chi^2/\text{NDF}: 4732269.3/39$

All: 13.204 ± 0.000 $\chi^2/\text{NDF}: 11969000.1/76$

dit_usl_4eY_slope vs Slug, Sign Corrected



Right In: 22.711 ± 0.019 $\chi^2/\text{NDF}: 22767.9/15$

Left Out: 17.782 ± 0.007 $\chi^2/\text{NDF}: 159730.4/21$

Right Out: 21.790 ± 0.022 $\chi^2/\text{NDF}: 26670.9/17$

Left In: 19.360 ± 0.007 $\chi^2/\text{NDF}: 198491.7/20$

Left: 18.572 ± 0.005 $\chi^2/\text{NDF}: 382020.4/42$

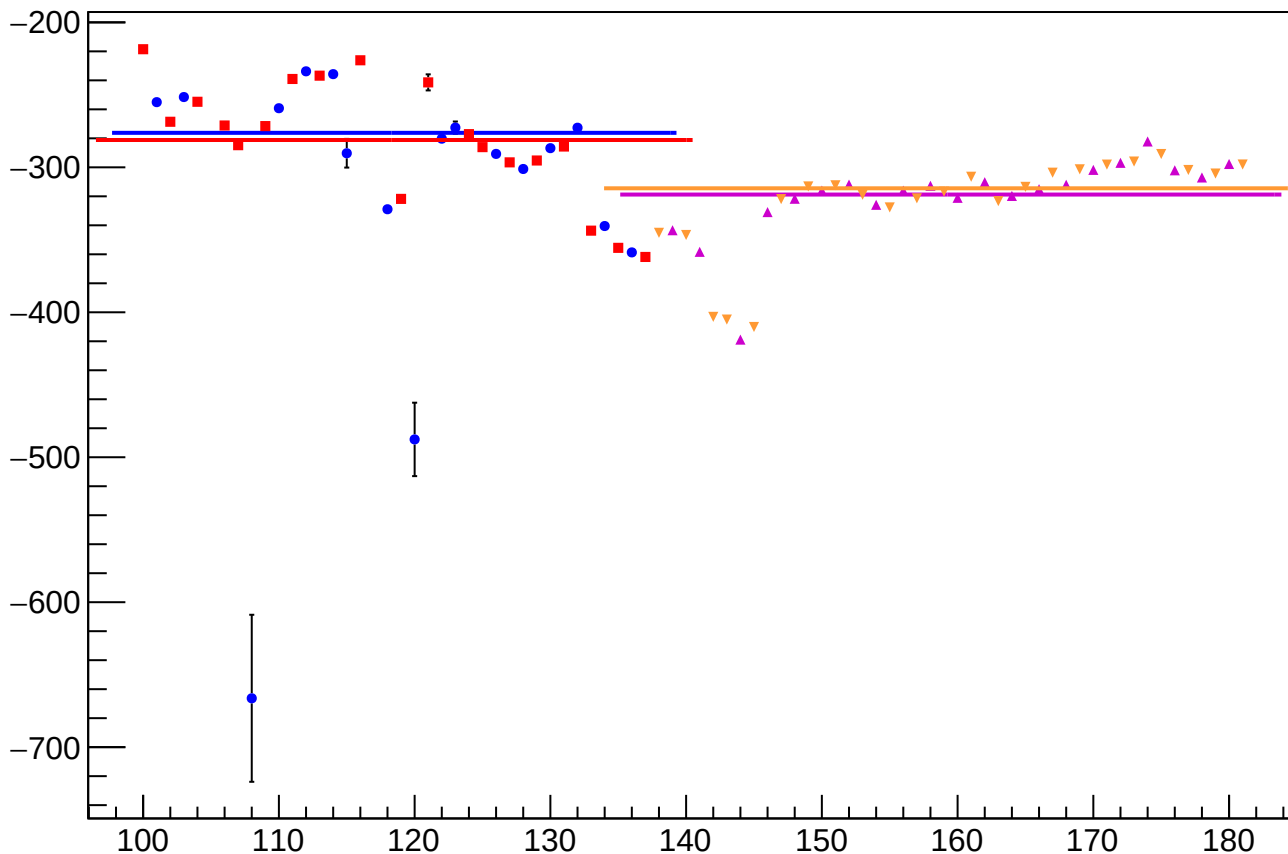
Right: 22.313 ± 0.014 $\chi^2/\text{NDF}: 50478.1/33$

In: 19.793 ± 0.007 $\chi^2/\text{NDF}: 249058.1/36$

Out: 18.189 ± 0.007 $\chi^2/\text{NDF}: 217566.1/39$

All: 19.004 ± 0.005 $\chi^2/\text{NDF}: 494432.9/76$

dit_usr_4aX_slope vs Slug, Sign Corrected



Right In: -276.201+/-0.167 χ^2/NDF : 58107.7/16

Left Out: -314.467+/-0.099 χ^2/NDF : 50585.6/22

Right Out: -281.150+/-0.148 χ^2/NDF : 77611.5/18

Left In: -318.782+/-0.097 χ^2/NDF : 58459.4/20

Left: -316.655+/-0.069 χ^2/NDF : 110017.6/43

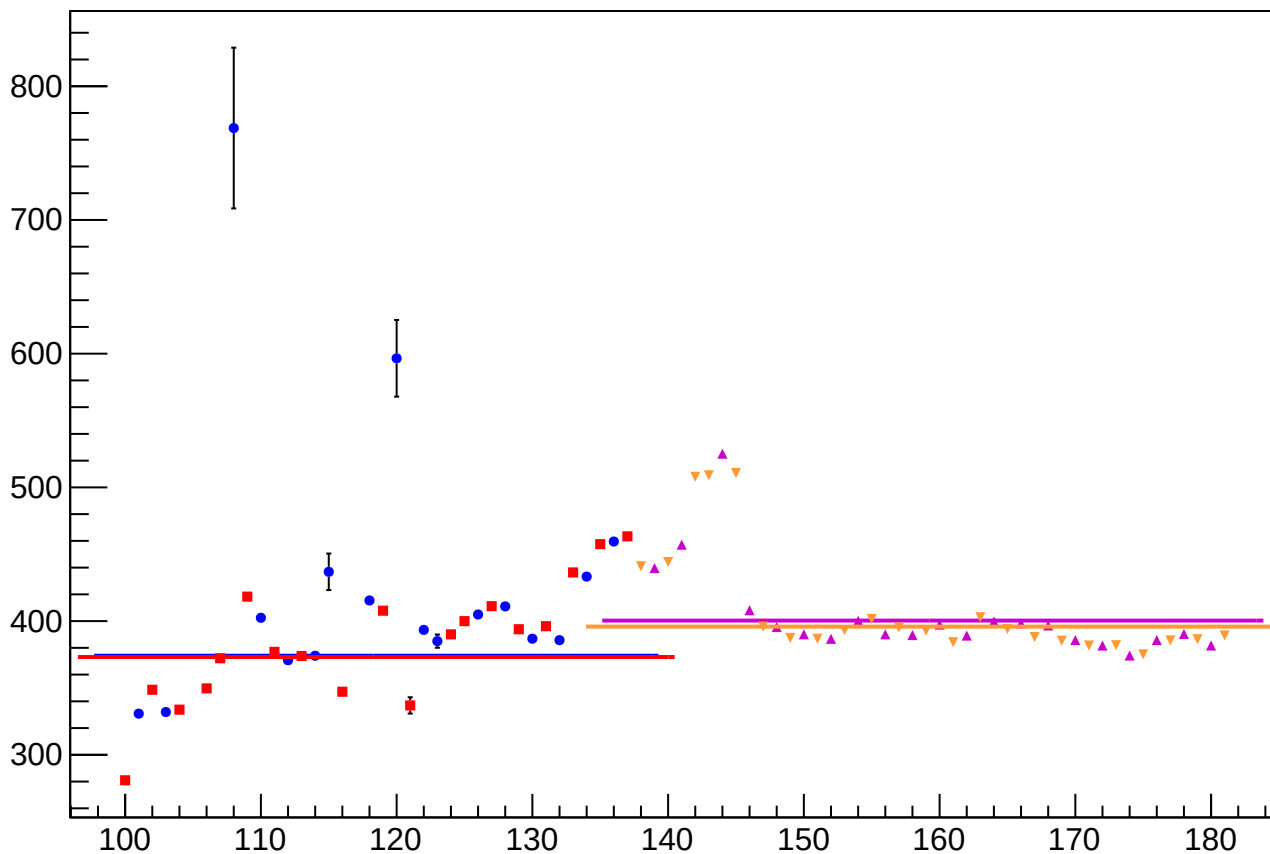
Right: -278.974+/-0.110 χ^2/NDF : 136213.7/35

In: -307.973+/-0.084 χ^2/NDF : 165329.6/37

Out: -304.191+/-0.082 χ^2/NDF : 163455.2/41

All: -306.037+/-0.059 χ^2/NDF : 329824.5/79

dit_usr_4eX_slope vs Slug, Sign Corrected



Right In: 374.094 $\pm$ 0.000 χ^2 /NDF: 35072.0/16

Left Out: 395.885 $\pm$ 0.099 χ^2 /NDF:66424.5/22

Right Out: 373.134 $\pm$ 0.158 χ^2 /NDF: 108219.4/18

Left In: 400.389 $\pm$ 0.099 χ^2 /NDF:74651.3/20

Left: 398.134 $\pm$ 0.070 χ^2 /NDF: 142116.6/43

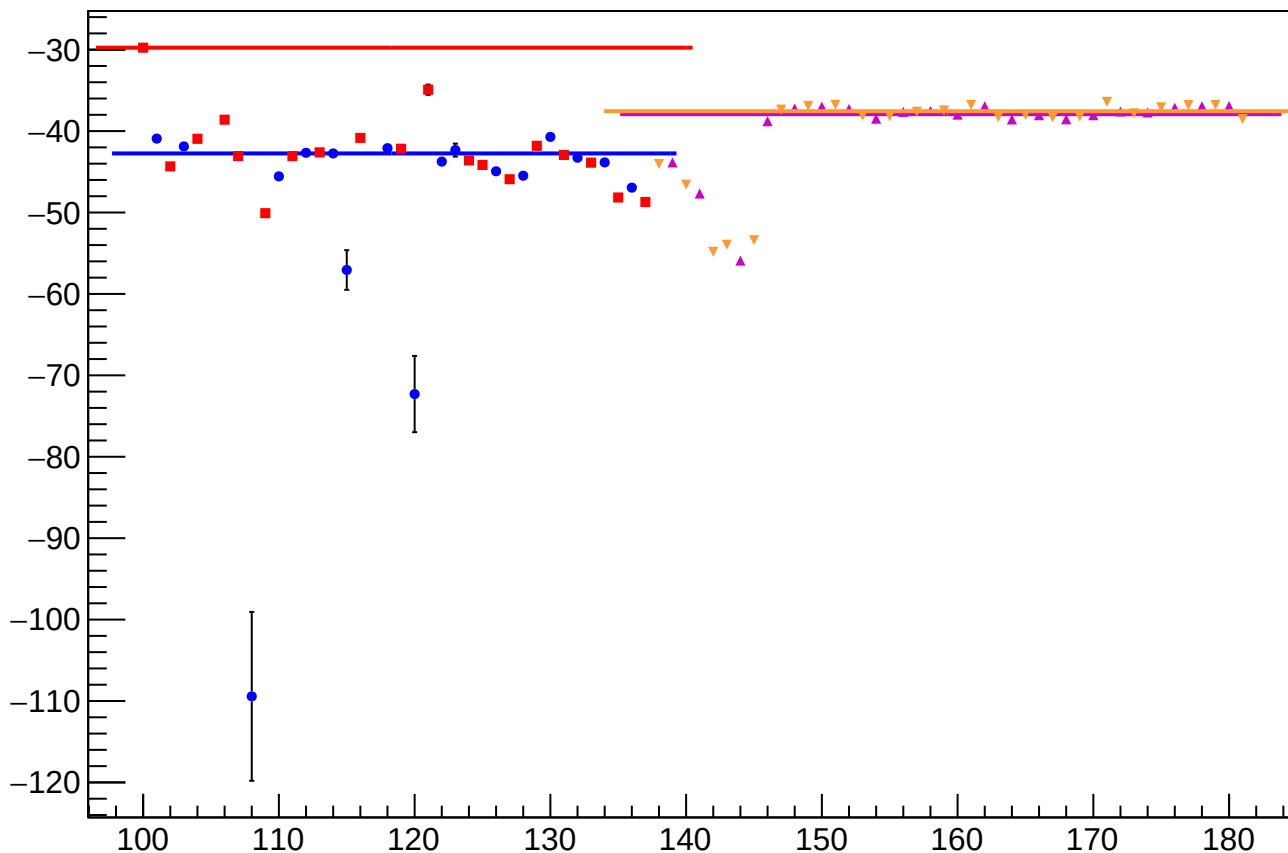
Right: 374.094 $\pm$ 0.000 χ^2 /NDF: 143328.3/35

In: 374.094 $\pm$ 0.000 χ^2 /NDF:180582.2/37

Out: 389.499 $\pm$ 0.084 χ^2 /NDF:189567.1/41

All: 374.094 $\pm$ 0.000 χ^2 /NDF: 404037.8/79

dit_usr_11X12X_slope vs Slug, Sign Corrected



Right In: -42.744 ± 0.000 $\chi^2/\text{NDF}: 13262.6/16$

Left Out: -37.556 ± 0.004 $\chi^2/\text{NDF}: 266948.4/22$

Right Out: -29.754 ± 0.000 $\chi^2/\text{NDF}: 483930.3/18$

Left In: -37.922 ± 0.004 $\chi^2/\text{NDF}: 156363.0/20$

Left: -37.724 ± 0.003 $\chi^2/\text{NDF}: 427361.5/43$

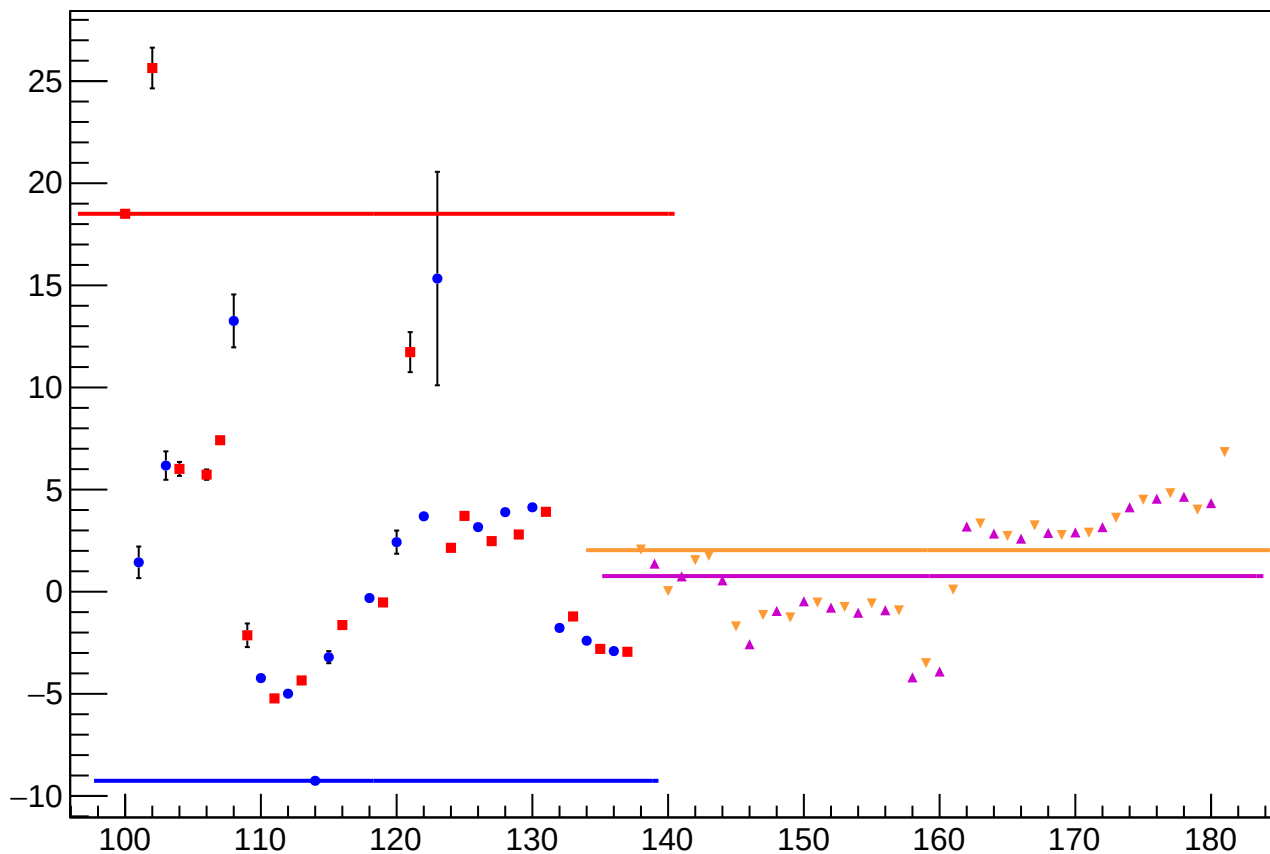
Right: -38.159 ± 0.000 $\chi^2/\text{NDF}: 129765212680709$

In: -42.744 ± 0.000 $\chi^2/\text{NDF}: 1473918.2/37$

Out: -29.754 ± 0.000 $\chi^2/\text{NDF}: 4756696.8/41$

All: -38.159 ± 0.000 $\chi^2/\text{NDF}: 129765212680$

dit_usr_4aY_slope vs Slug, Sign Corrected



Right In: -9.259 ± 0.000 $\chi^2/\text{NDF}: 405850.5/16$

Left Out: 2.034 ± 0.005 $\chi^2/\text{NDF}: 272658.4/22$

Right Out: 18.504 ± 0.000 $\chi^2/\text{NDF}: 7366781.0/18$

Left In: 0.765 ± 0.006 $\chi^2/\text{NDF}: 212167.8/20$

Left: 1.503 ± 0.004 $\chi^2/\text{NDF}: 512189.5/43$

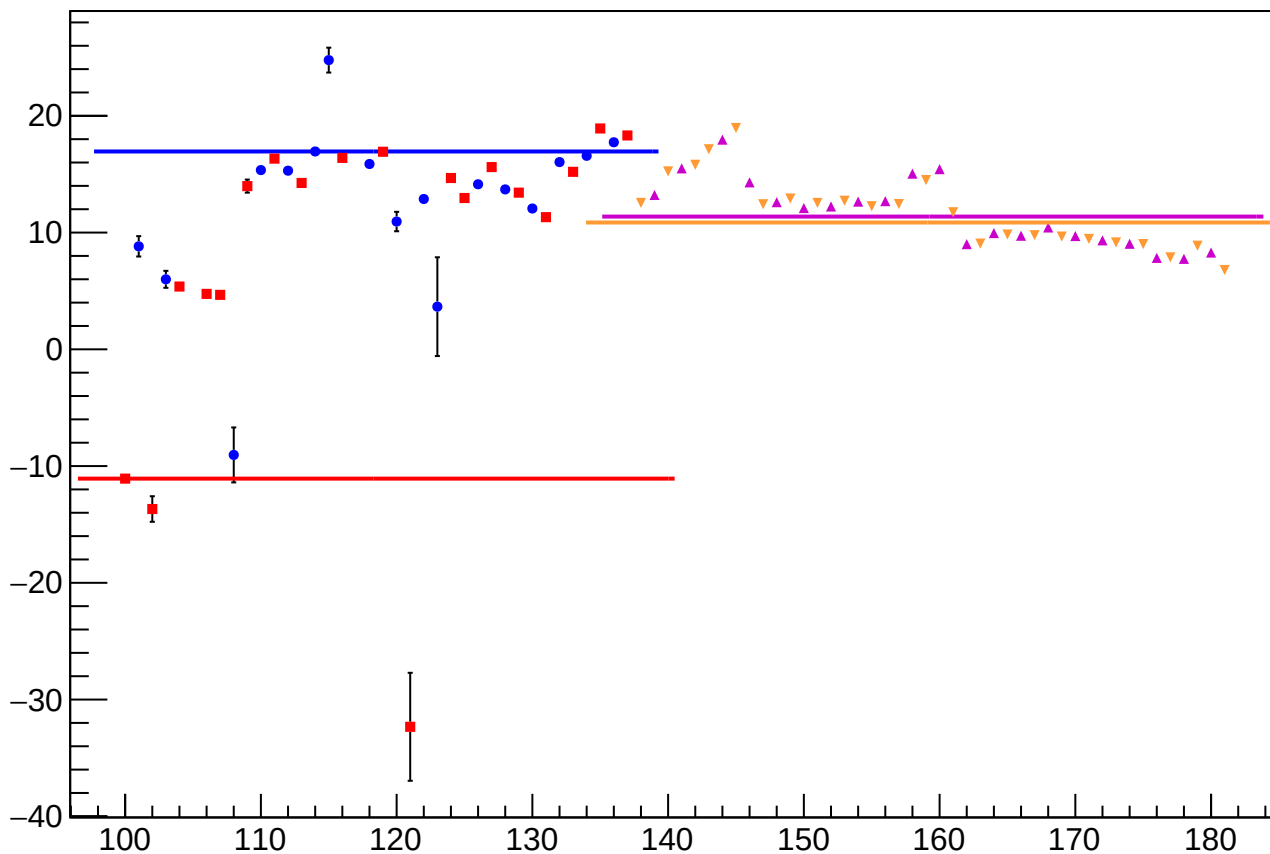
Right: 6.039 ± 0.000 $\chi^2/\text{NDF}: 16450574505955581$

In: -9.259 ± 0.000 $\chi^2/\text{NDF}: 3553770.0/37$

Out: 18.504 ± 0.000 $\chi^2/\text{NDF}: 18646232.3/41$

All: 6.039 ± 0.000 $\chi^2/\text{NDF}: 16450574505955581$

dit_usr_4eY_slope vs Slug, Sign Corrected



Right In: 16.947 $\pm$ 0.000 χ^2 /NDF: 11231.8/16

Left Out: 10.862 $\pm$ 0.007 χ^2 /NDF:123595.9/22

Right Out: -11.075 $\pm$ 0.000 χ^2 /NDF: 2712010.0/18

Left In: 11.371 $\pm$ 0.008 χ^2 /NDF:91885.3/20

Left: 11.075 $\pm$ 0.005 χ^2 /NDF: 217863.8/43

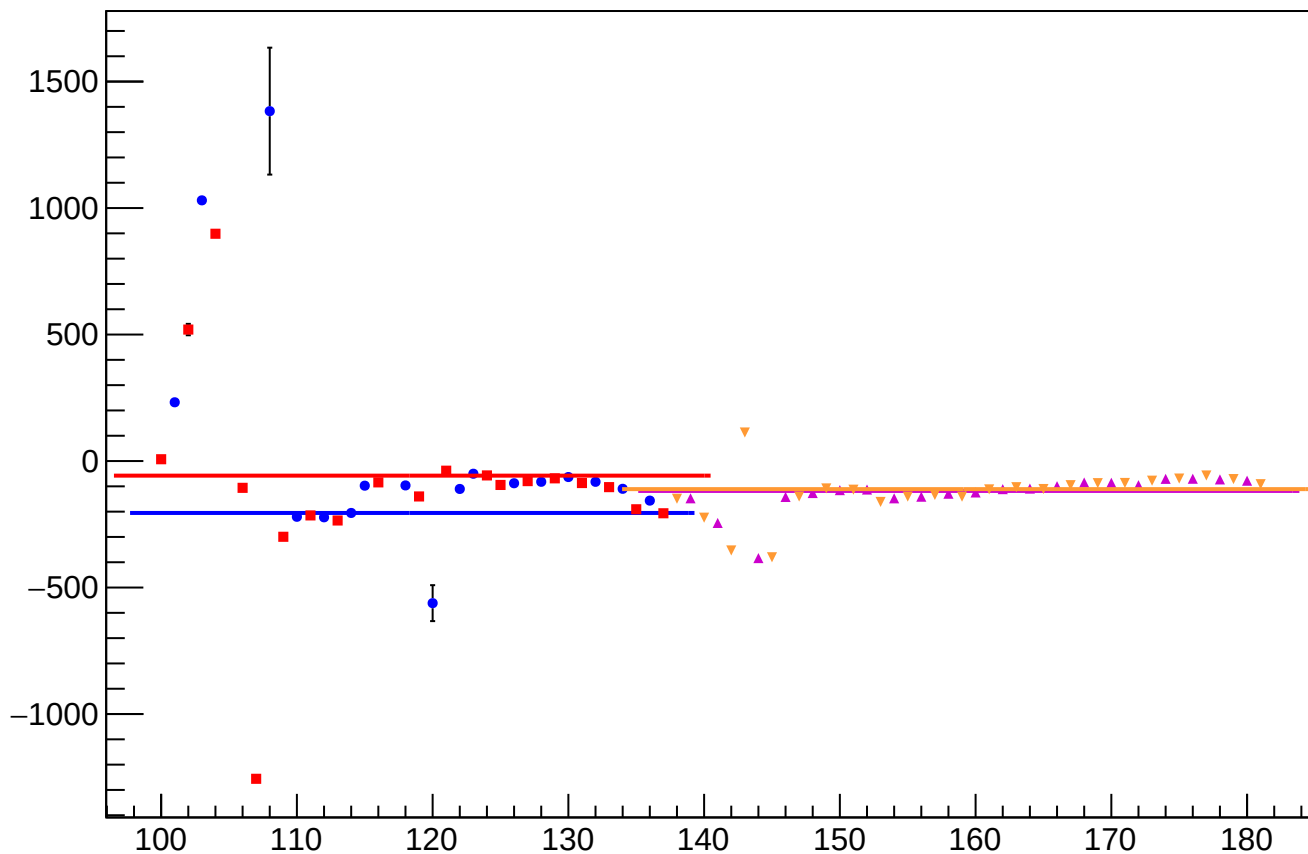
Right: -2.268 $\pm$ 0.000 χ^2 /NDF: 4692527454635666

In: 16.947 $\pm$ 0.000 χ^2 /NDF:595486.6/37

Out: -11.075 $\pm$ 0.000 χ^2 /NDF:13397726.1/41

All: -2.268 $\pm$ 0.000 χ^2 /NDF: 4692527454635

dit_atl1_4aX_slope vs Slug, Sign Corrected



Right In: -205.160+/-0.000 χ^2/NDF : 582775.6/16

Left Out: -111.006+/-0.196 χ^2/NDF : 60861.1/22

Right Out: -57.684+/-0.283 χ^2/NDF : 114854.9/18

Left In: -118.072+/-0.227 χ^2/NDF : 64474.3/20

Left: -114.015+/-0.148 χ^2/NDF : 125891.0/43

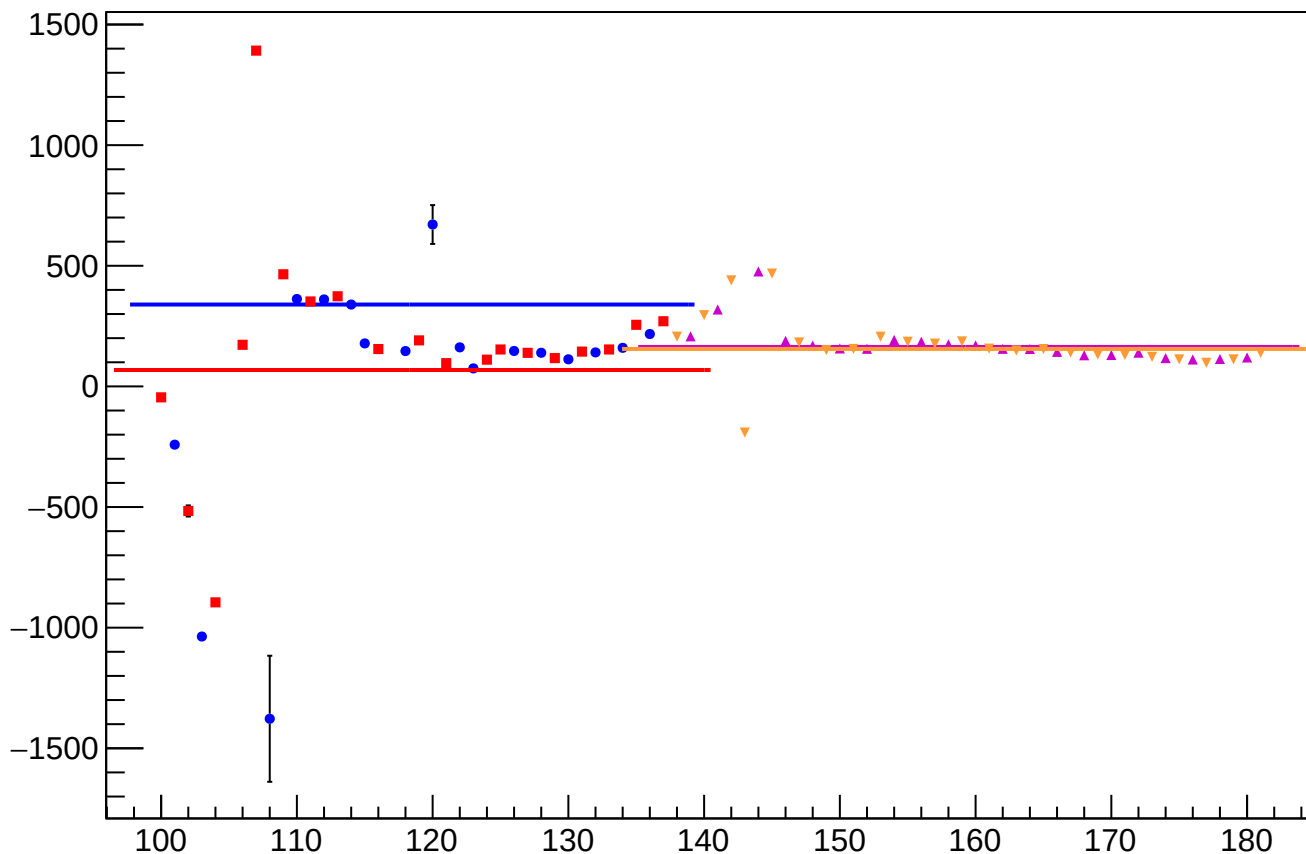
Right: -205.160+/-0.000 χ^2/NDF : 968522.3/35

In: -205.160+/-0.000 χ^2/NDF : 794267.2/37

Out: -93.797+/-0.161 χ^2/NDF : 199700.3/41

All: -205.160+/-0.000 χ^2/NDF : 1472582.9/79

dit_atl1_4eX_slope vs Slug, Sign Corrected



Right In: 339.325+/-0.000 χ^2/NDF : 1030606.3/16

Left Out: 155.349+/-0.200 χ^2/NDF : 95547.5/22

Right Out: 68.024+/-0.286 χ^2/NDF : 272330.9/18

Left In: 163.510+/-0.232 χ^2/NDF : 70784.5/20

Left: 158.832+/-0.151 χ^2/NDF : 167043.2/43

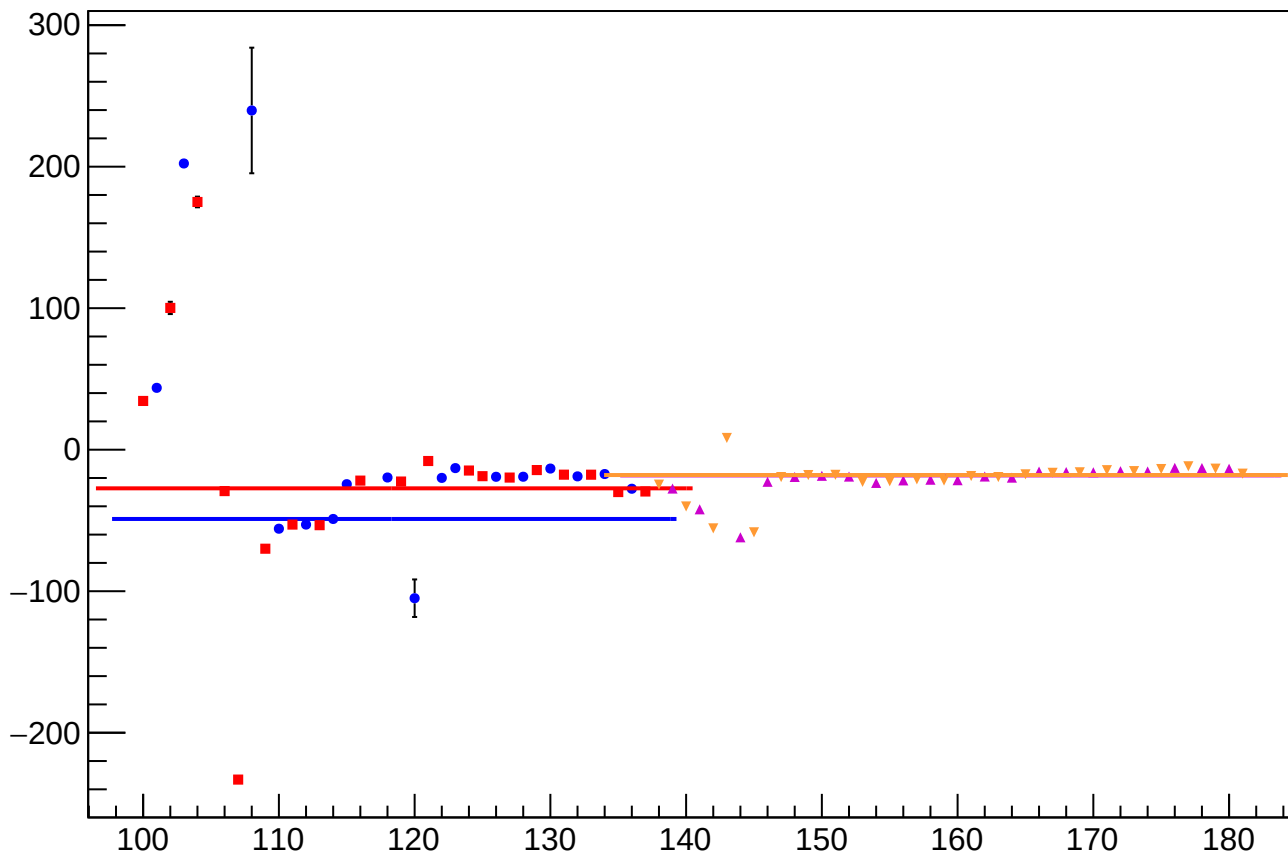
Right: 339.325+/-0.000 χ^2/NDF : 2202286.8/35

In: 339.325+/-0.000 χ^2/NDF : 1677214.5/37

Out: 126.700+/-0.164 χ^2/NDF : 430486.0/41

All: 339.325+/-0.000 χ^2/NDF : 3791467.1/79

dit_atl1_11X12X_slope vs Slug, Sign Corrected



Right In: -48.945 ± 0.000 $\chi^2/\text{NDF}: 5408370.4/16$

Left Out: -17.907 ± 0.010 $\chi^2/\text{NDF}: 601766.9/22$

Right Out: -27.303 ± 0.052 $\chi^2/\text{NDF}: 167879.9/18$

Left In: -18.182 ± 0.012 $\chi^2/\text{NDF}: 216765.3/20$

Left: -18.017 ± 0.008 $\chi^2/\text{NDF}: 818829.8/43$

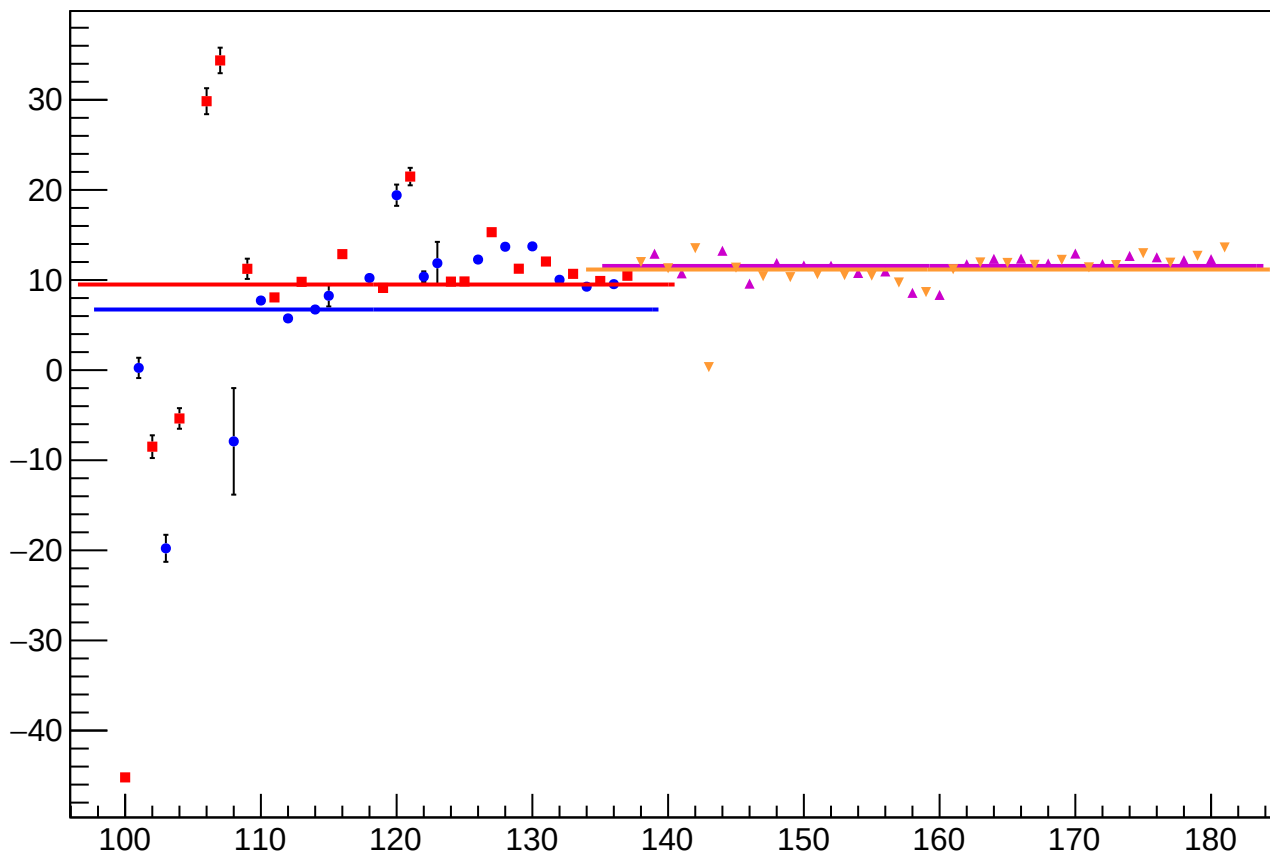
Right: -48.945 ± 0.000 $\chi^2/\text{NDF}: 5751523.0/35$

In: -48.945 ± 0.000 $\chi^2/\text{NDF}: 11854733.3/37$

Out: -18.252 ± 0.010 $\chi^2/\text{NDF}: 801470.5/41$

All: -48.945 ± 0.000 $\chi^2/\text{NDF}: 22237231.3/79$

dit_atl1_4aY_slope vs Slug, Sign Corrected



Right In: 6.728 $\pm$ 0.000 χ^2 /NDF: 13749.2/16

Left Out: 11.167 $\pm$ 0.013 χ^2 /NDF:30487.0/22

Right Out: 9.502 $\pm$ 0.036 χ^2 /NDF: 26822.1/18

Left In: 11.562 $\pm$ 0.011 χ^2 /NDF:14705.3/20

Left: 11.400 $\pm$ 0.008 χ^2 /NDF: 45759.8/43

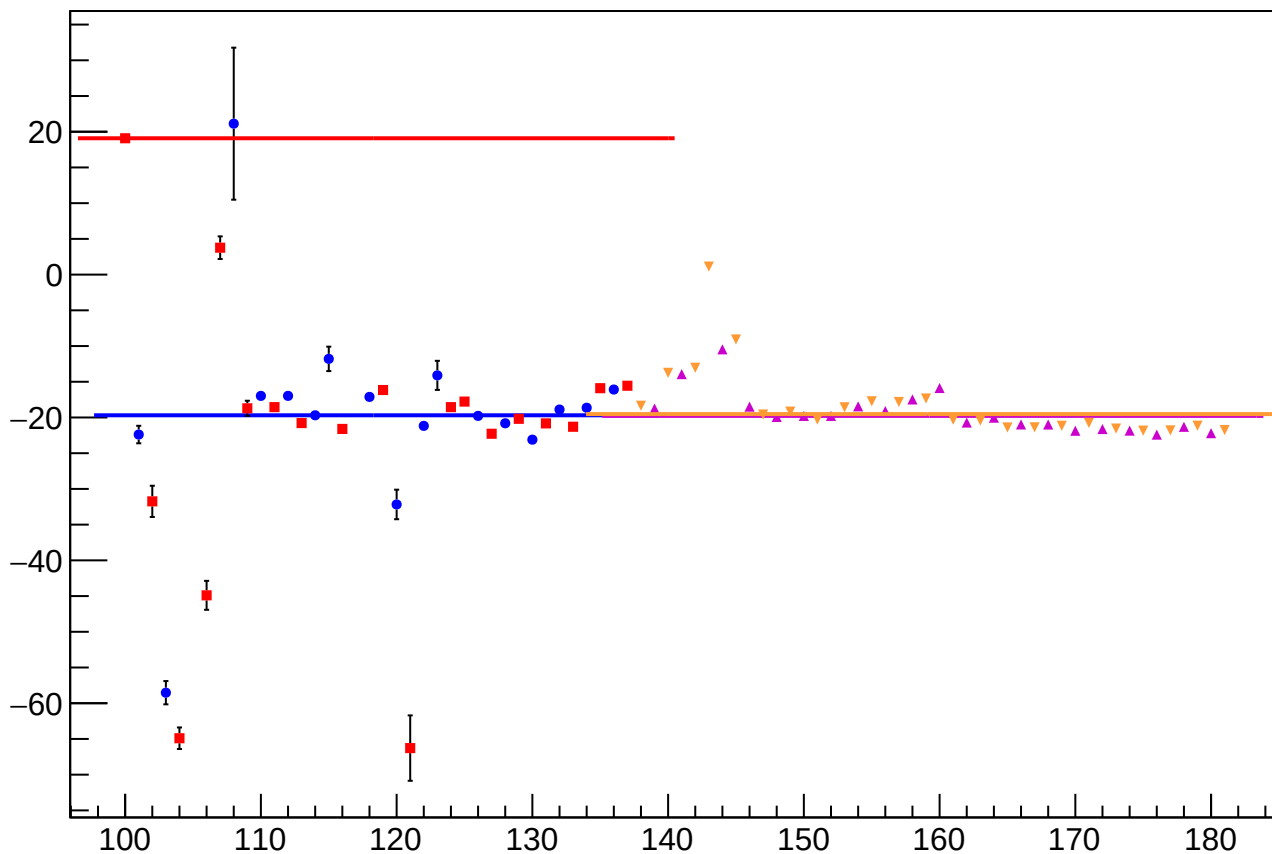
Right: 6.728 $\pm$ 0.000 χ^2 /NDF: 46635.2/35

In: 6.728 $\pm$ 0.000 χ^2 /NDF:236140.5/37

Out: 10.978 $\pm$ 0.012 χ^2 /NDF:59246.7/41

All: 6.728 $\pm$ 0.000 χ^2 /NDF: 420898.2/79

dit_atl1_4eY_slope vs Slug, Sign Corrected



Right In: -19.693 ± 0.000 $\chi^2/\text{NDF}: 7579.0/16$

Left Out: -19.526 ± 0.015 $\chi^2/\text{NDF}: 57788.2/22$

Right Out: 19.086 ± 0.000 $\chi^2/\text{NDF}: 610746.9/18$

Left In: -19.776 ± 0.015 $\chi^2/\text{NDF}: 18980.3/20$

Left: -19.644 ± 0.011 $\chi^2/\text{NDF}: 76906.4/43$

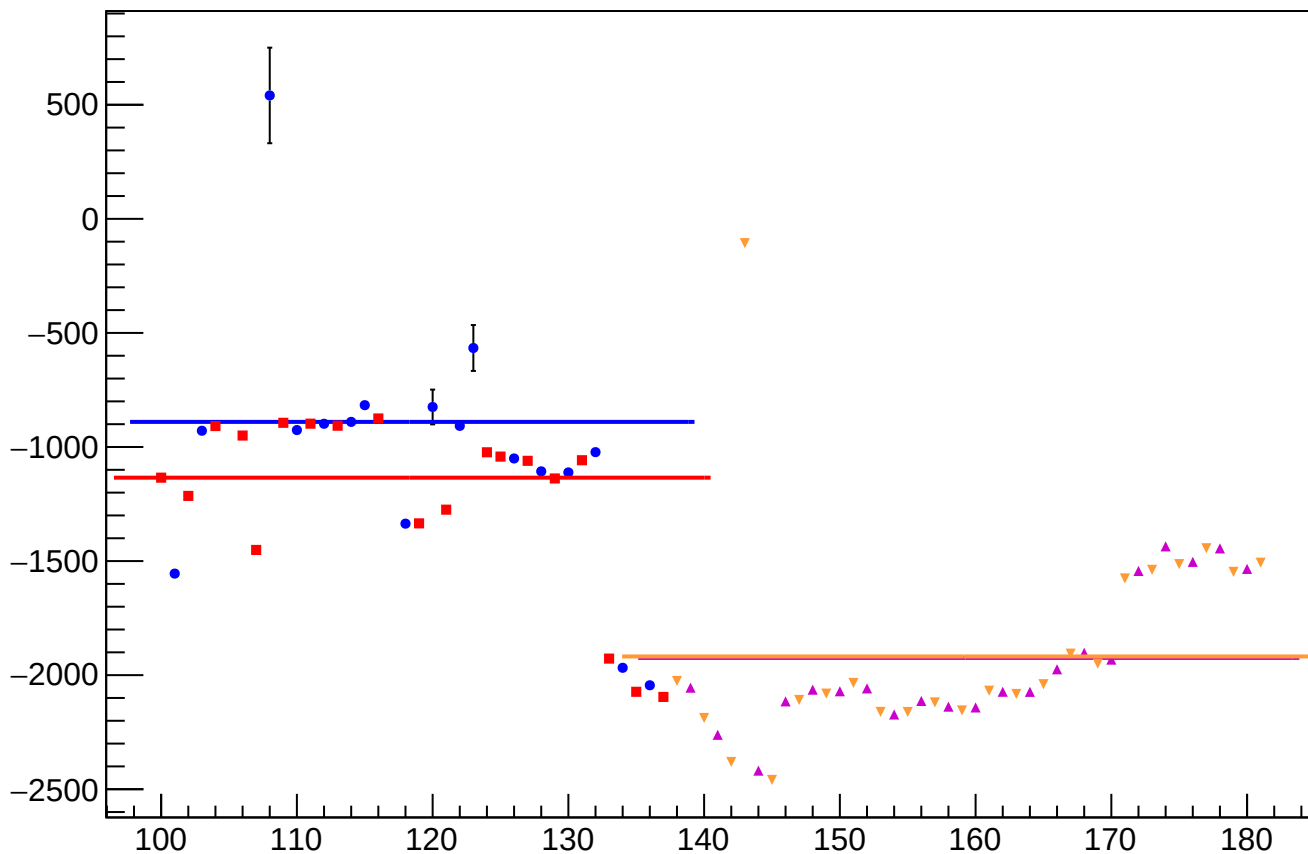
Right: -6.006 ± 0.000 $\chi^2/\text{NDF}: 4625637731292657$

In: -19.693 ± 0.000 $\chi^2/\text{NDF}: 26588.1/37$

Out: 19.086 ± 0.000 $\chi^2/\text{NDF}: 7679587.0/41$

All: -6.006 ± 0.000 $\chi^2/\text{NDF}: 4625637731292$

dit_atl2_4aX_slope vs Slug, Sign Corrected



Right In: -889.928 ± 0.000 χ^2/NDF : 775896.0/16

Left Out: -1918.056 ± 0.365 χ^2/NDF : 712772.0/22

Right Out: -1134.421 ± 0.000 χ^2/NDF : 733812.0/18

Left In: -1924.515 ± 0.373 χ^2/NDF : 594058.1/20

Left: -1921.223 ± 0.261 χ^2/NDF : 1306983.3/43

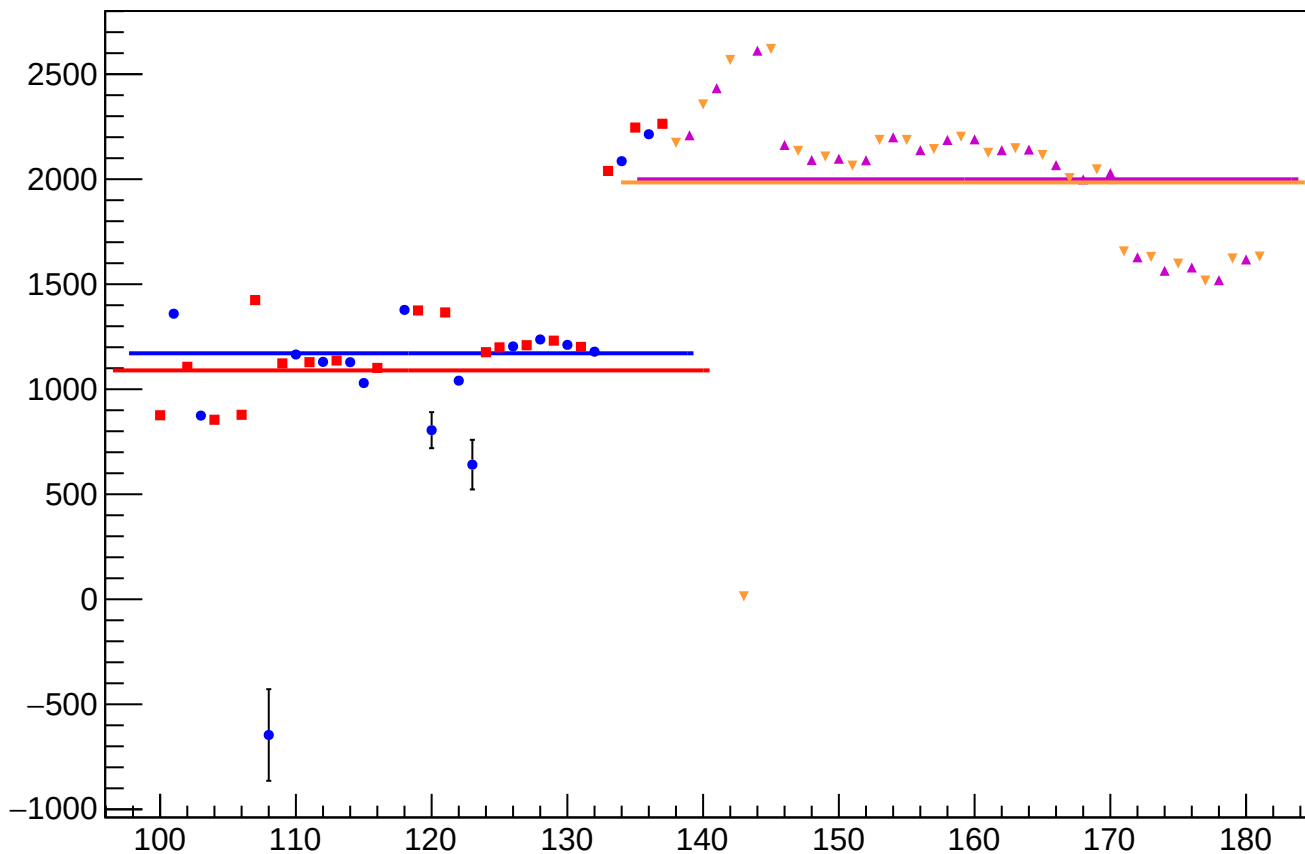
Right: -976.220 ± 0.000 χ^2/NDF : 44889787387498

In: -889.928 ± 0.000 χ^2/NDF : 9080983.2/37

Out: -1134.421 ± 0.000 χ^2/NDF : 6045981.8/41

All: -976.220 ± 0.000 χ^2/NDF : 44889787387

dit_atl2_4eX_slope vs Slug, Sign Corrected



Right In: 1171.188 $\pm$ 0.245 χ^2 /NDF: 508989.2/16

Left Out: 1984.676 $\pm$ 0.365 χ^2 /NDF: 693531.8/22

Right Out: 1089.705 $\pm$ 0.253 χ^2 /NDF: 1100321.6/18

Left In: 1999.403 $\pm$ 0.375 χ^2 /NDF: 540476.5/20

Left: 1991.836 $\pm$ 0.262 χ^2 /NDF: 1234798.9/43

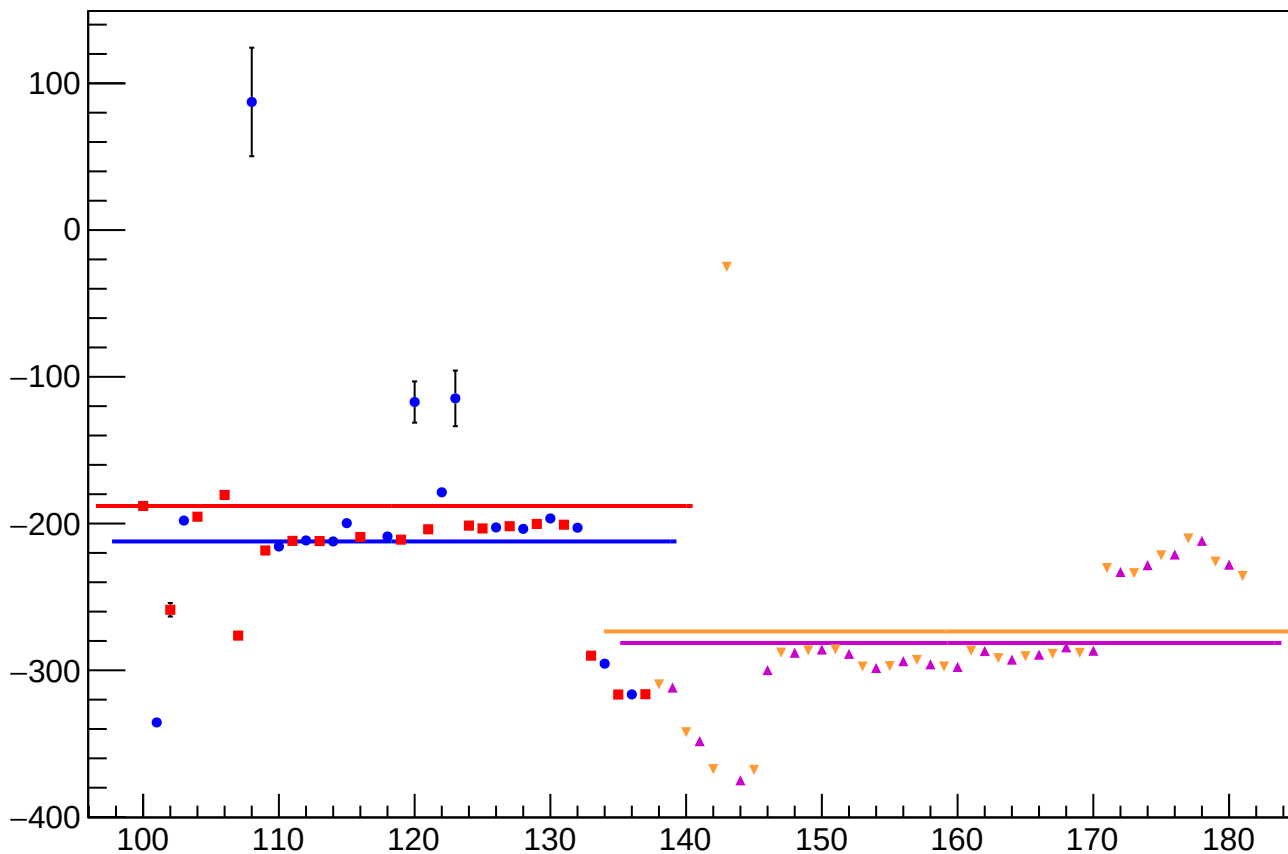
Right: 1131.764 $\pm$ 0.176 χ^2 /NDF: 1662665.0/35

In: 1419.054 $\pm$ 0.205 χ^2 /NDF: 4459084.6/37

Out: 1380.611 $\pm$ 0.208 χ^2 /NDF: 5847018.7/41

All: 1400.094 $\pm$ 0.146 χ^2 /NDF: 10323379.7/71

dit_atl2_11X12X_slope vs Slug, Sign Corrected



Right In: -212.190+/-0.000 χ^2/NDF : 1149195.1/16

Left Out: -273.517+/-0.023 χ^2/NDF : 6455573.2/22

Right Out: -188.033+/-0.000 χ^2/NDF : 602264.3/18

Left In: -281.379+/-0.022 χ^2/NDF : 2042886.9/20

Left: -277.621+/-0.016 χ^2/NDF : 8559727.0/43

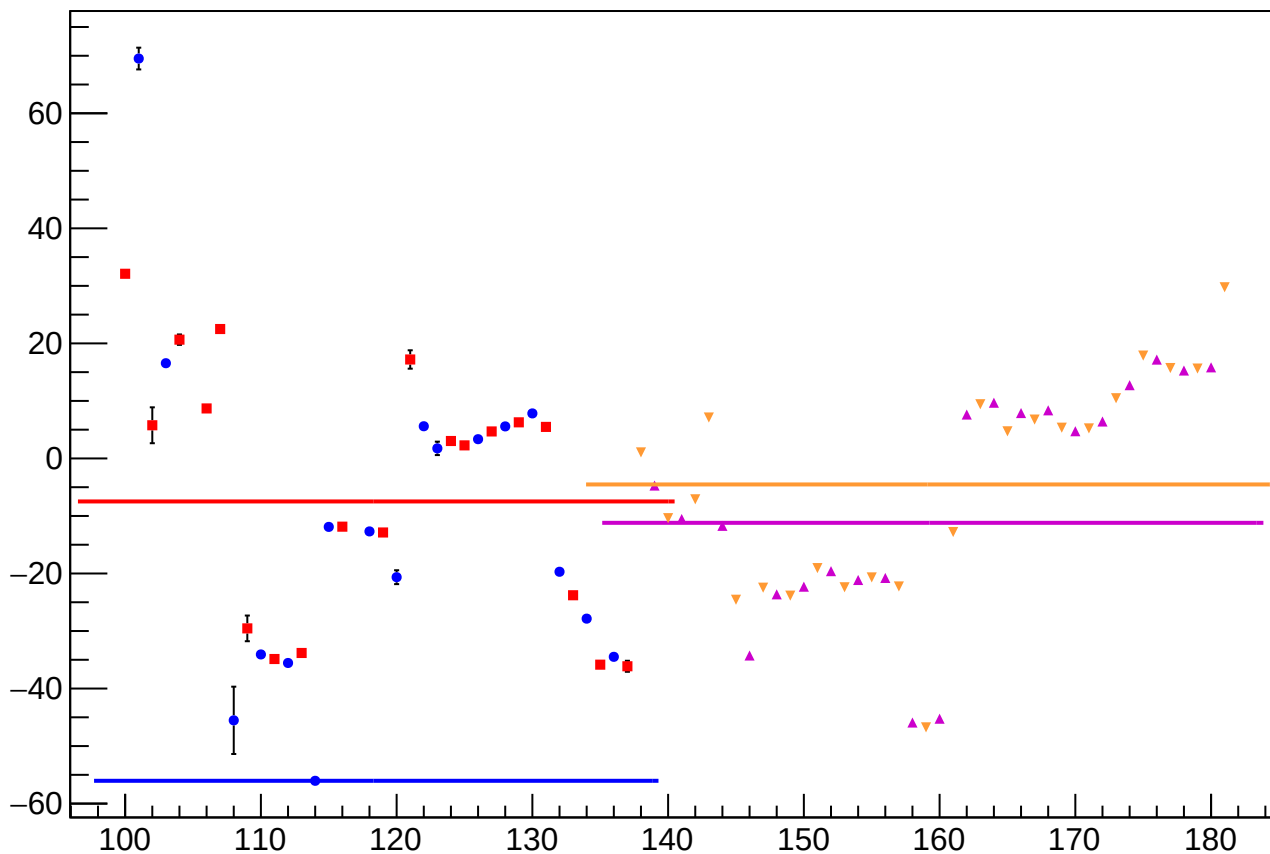
Right: -195.625+/-0.000 χ^2/NDF : 13622303625661

In: -212.190+/-0.000 χ^2/NDF : 13118806.7/37

Out: -188.033+/-0.000 χ^2/NDF : 20934114.9/41

All: -195.625+/-0.000 χ^2/NDF : 13622303625

dit_atl2_4aY_slope vs Slug, Sign Corrected



Right In: -56.037 $\pm$ 0.000 χ^2 /NDF: 1585420.7/16

Left Out: -4.521 $\pm$ 0.018 χ^2 /NDF:1298769.8/22

Right Out: -7.476 $\pm$ 0.042 χ^2 /NDF: 173893.8/18

Left In: -11.192 $\pm$ 0.019 χ^2 /NDF:1561594.8/20

Left: -7.707 $\pm$ 0.013 χ^2 /NDF: 2926221.9/43

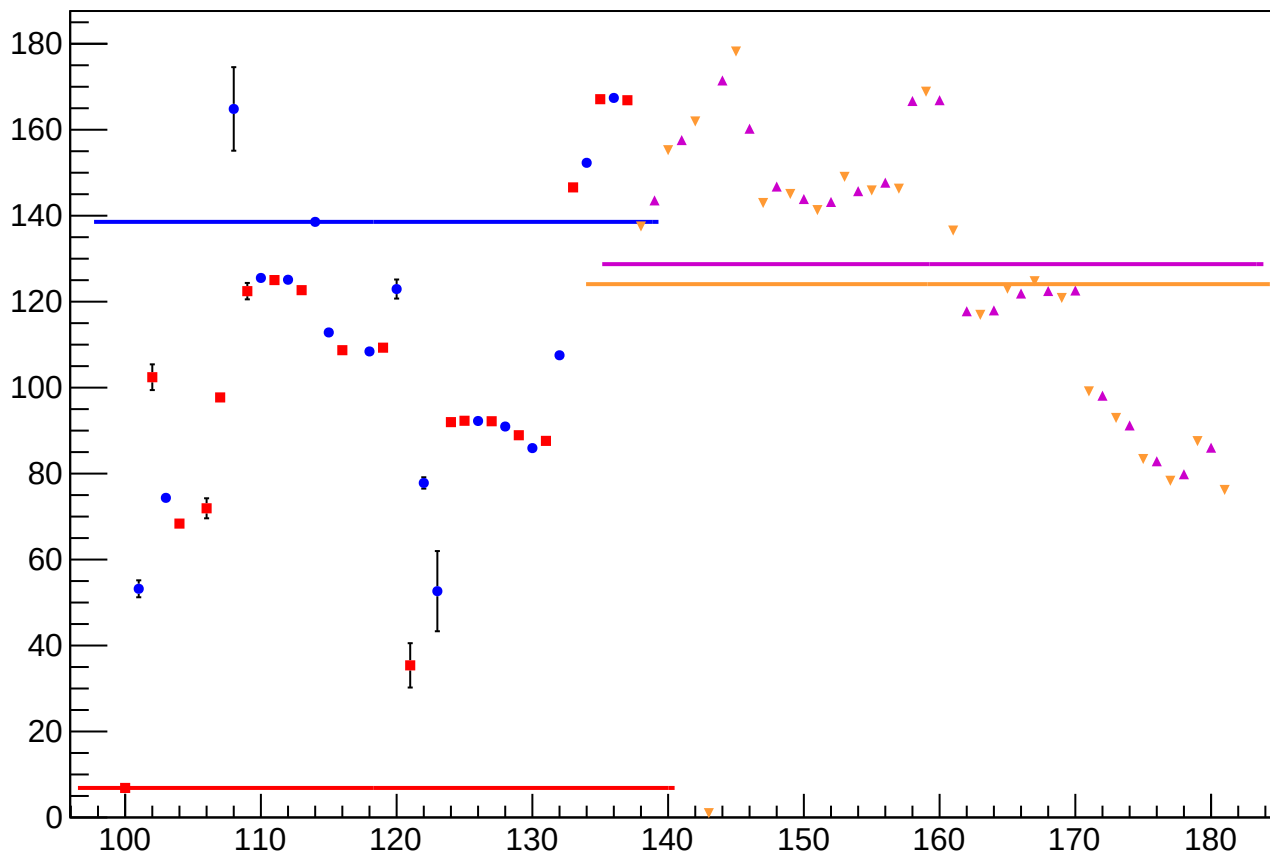
Right: -56.037 $\pm$ 0.000 χ^2 /NDF: 3084882.3/35

In: -56.037 $\pm$ 0.000 χ^2 /NDF:8842526.2/37

Out: -4.975 $\pm$ 0.017 χ^2 /NDF:1476819.2/41

All: -56.037 $\pm$ 0.000 χ^2 /NDF: 19863945.4/79

dit_atl2_4eY_slope vs Slug, Sign Corrected



Right In: 138.565+/-0.000 χ^2/NDF : 901159.7/16

Left Out: 124.077+/-0.025 χ^2/NDF : 1439117.4/22

Right Out: 6.866+/-0.000 χ^2/NDF : 8047391.7/18

Left In: 128.730+/-0.027 χ^2/NDF : 1213676.5/20

Left: 126.250+/-0.018 χ^2/NDF : 2669165.0/43

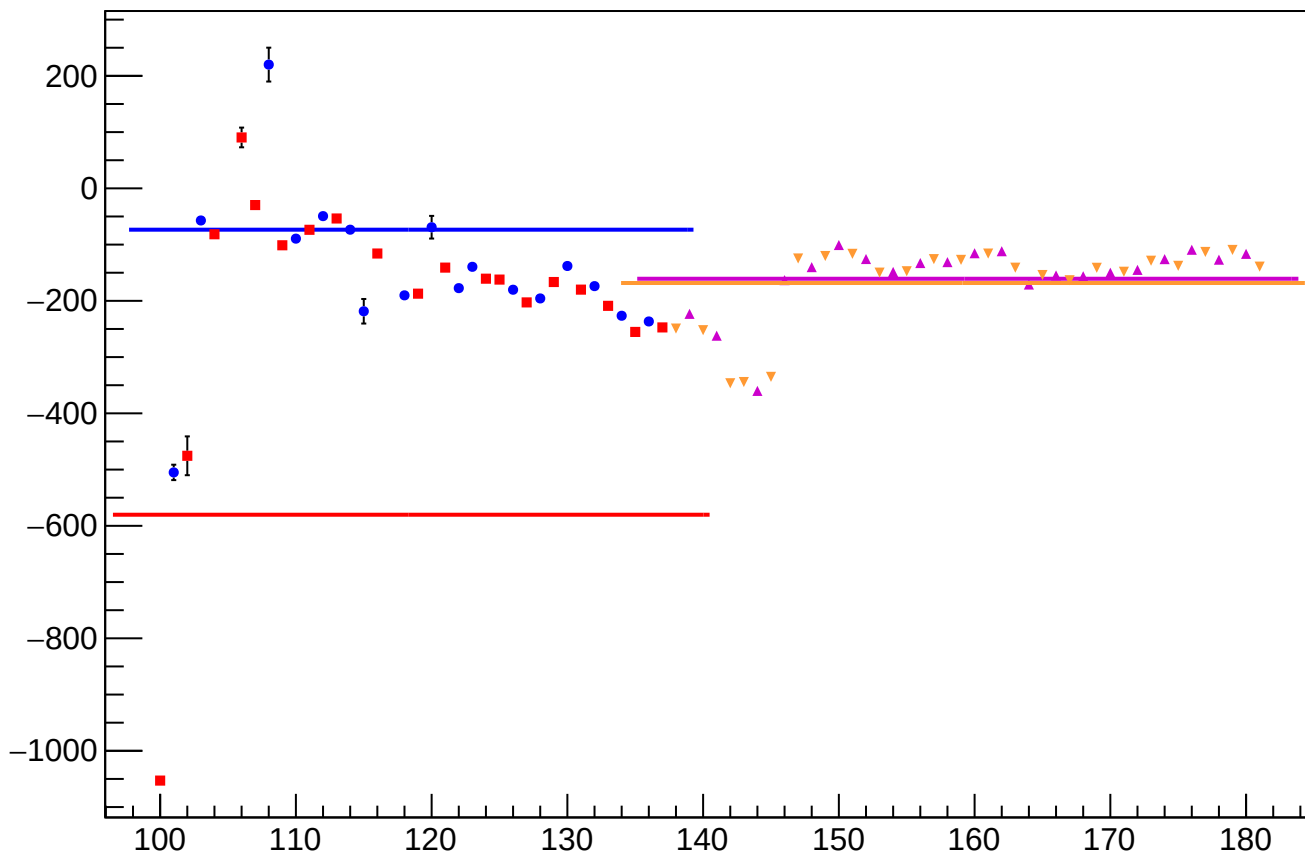
Right: 7.101+/-0.000 χ^2/NDF : 23576822681928678

In: 138.565+/-0.000 χ^2/NDF : 2252072.2/37

Out: 6.866+/-0.000 χ^2/NDF : 31725948.7/41

All: 7.101+/-0.000 χ^2/NDF : 23576822681928

dit_atr1_4aX_slope vs Slug, Sign Corrected



Right In: -73.485+/-0.000 χ^2/NDF : 98703.2/16

Left Out: -168.253+/-0.237 χ^2/NDF : 80386.6/22

Right Out: -580.262+/-0.261 χ^2/NDF : 3031609.5/18

Left In: -160.704+/-0.245 χ^2/NDF : 73219.6/20

Left: -164.610+/-0.170 χ^2/NDF : 154096.3/43

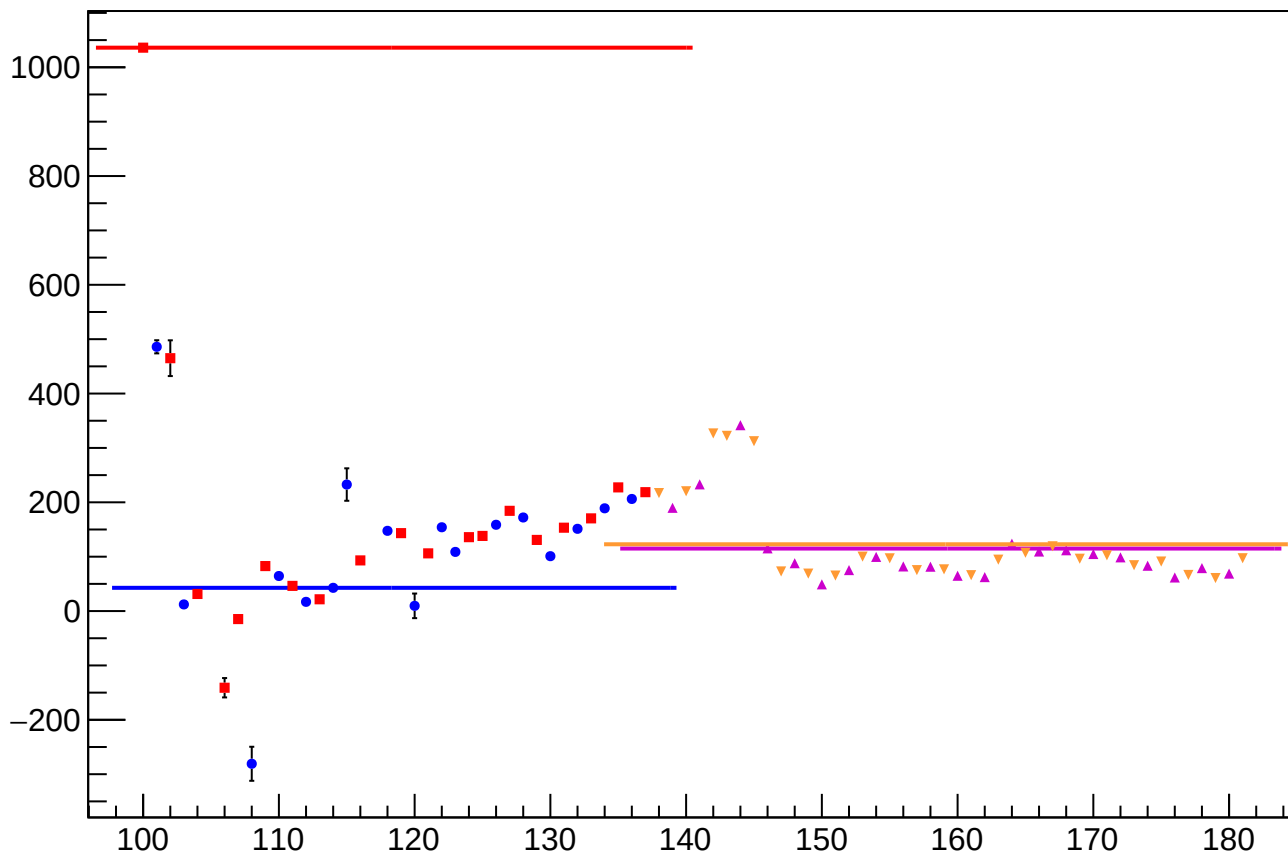
Right: -73.485+/-0.000 χ^2/NDF : 6902096.9/35

In: -73.485+/-0.000 χ^2/NDF : 298329.1/37

Out: -354.410+/-0.175 χ^2/NDF : 4478604.9/41

All: -73.485+/-0.000 χ^2/NDF : 7342133.0/79

dit_atr1_4eX_slope vs Slug, Sign Corrected



Right In: 42.743+/-0.000 χ^2/NDF : 84599.8/16

Left Out: 122.831+/-0.242 χ^2/NDF : 94373.4/22

Right Out: 1036.068+/-0.000 χ^2/NDF : 4933722.5/18

Left In: 114.932+/-0.252 χ^2/NDF : 81366.4/20

Left: 119.050+/-0.175 χ^2/NDF : 176250.3/43

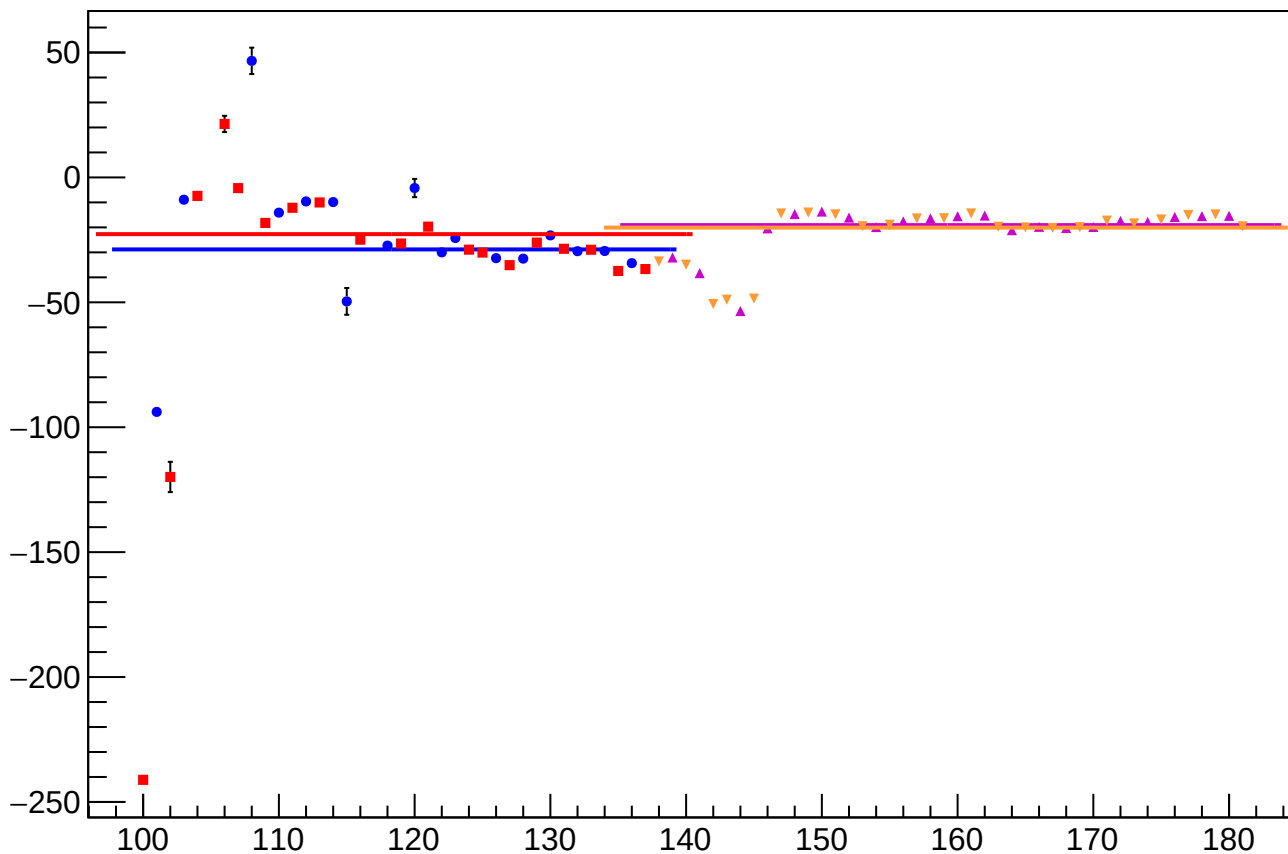
Right: 43.272+/-0.000 χ^2/NDF : 1144517497266833

In: 42.743+/-0.000 χ^2/NDF : 247761.6/37

Out: 1036.068+/-0.000 χ^2/NDF : 19283420.8/41

All: 43.272+/-0.000 χ^2/NDF : 1144517497266

dit_atr1_11X12X_slope vs Slug, Sign Corrected



Right In: -28.822 ± 0.035 χ^2/NDF : 49503.4/16

Left Out: -20.089 ± 0.012 χ^2/NDF : 369598.7/22

Right Out: -22.707 ± 0.038 χ^2/NDF : 410174.9/18

Left In: -19.099 ± 0.014 χ^2/NDF : 214332.4/20

Left: -19.659 ± 0.009 χ^2/NDF : 586669.0/43

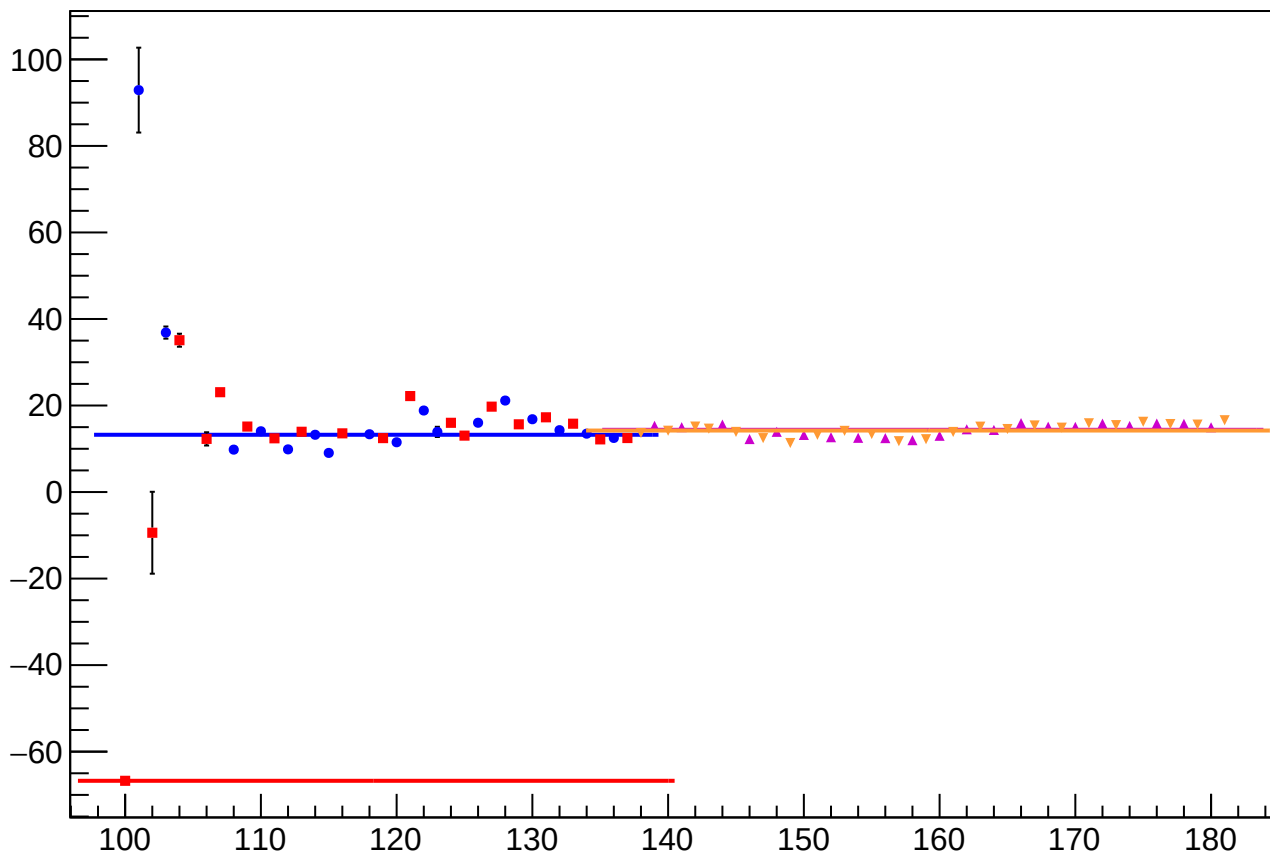
Right: -26.045 ± 0.026 χ^2/NDF : 473753.1/35

In: -20.496 ± 0.013 χ^2/NDF : 330921.2/37

Out: -20.343 ± 0.012 χ^2/NDF : 784039.9/41

All: -20.411 ± 0.009 χ^2/NDF : 1115035.4/79

dit_atr1_4aY_slope vs Slug, Sign Corrected



Right In: 13.238+/-0.000 χ^2/NDF : 5756.1/16

Left Out: 14.217+/-0.012 χ^2/NDF : 11877.1/22

Right Out: -66.739+/-0.000 χ^2/NDF : 3023648.4/18

Left In: 14.385+/-0.012 χ^2/NDF : 12133.1/20

Left: 14.304+/-0.008 χ^2/NDF : 24107.6/43

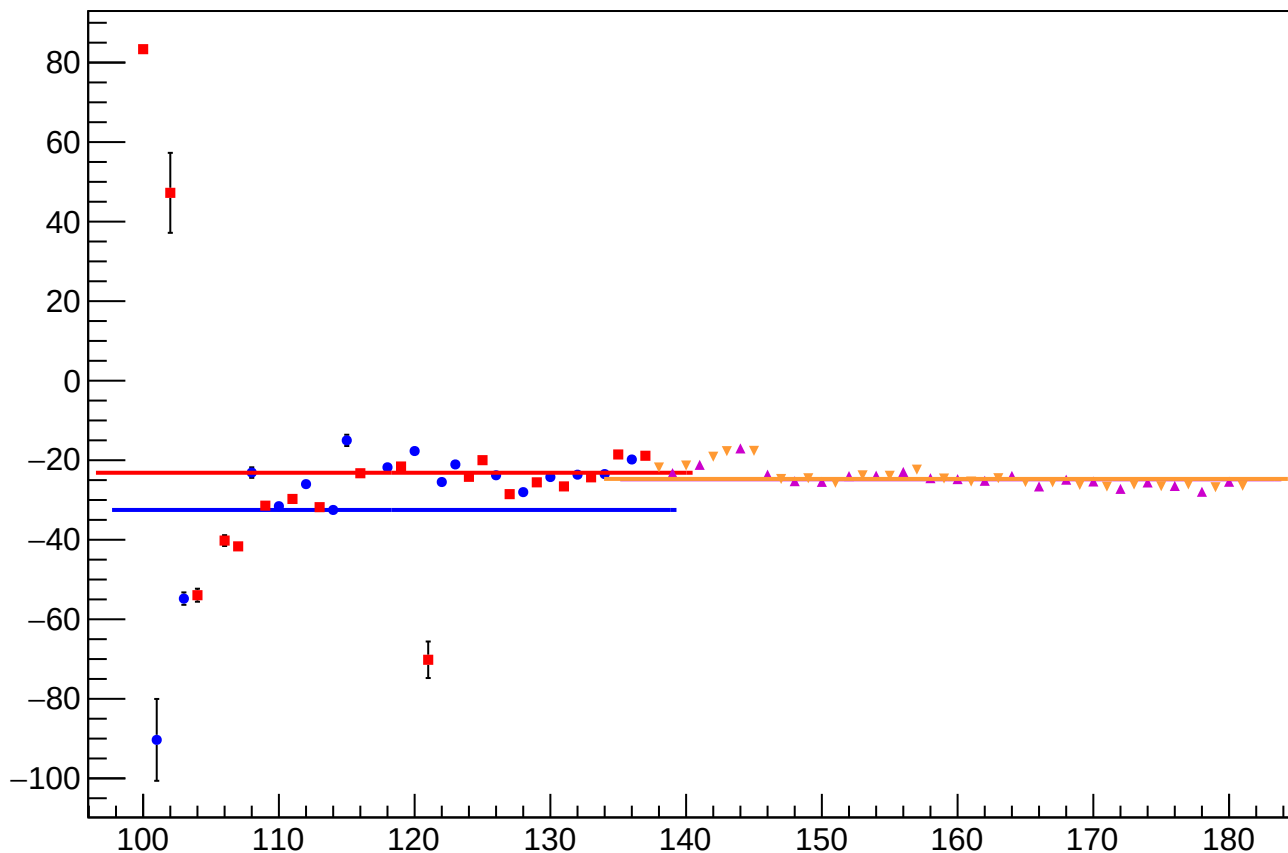
Right: 12.562+/-0.000 χ^2/NDF : 1884310027651005

In: 13.238+/-0.000 χ^2/NDF : 27340.1/37

Out: -66.739+/-0.000 χ^2/NDF : 46790270.5/41

All: 12.562+/-0.000 χ^2/NDF : 1884310027651

dit_atr1_4eY_slope vs Slug, Sign Corrected



Right In: -32.504 ± 0.000 χ^2/NDF : 74187.4/16

Left Out: -24.702 ± 0.016 χ^2/NDF : 22407.1/22

Right Out: -23.151 ± 0.048 χ^2/NDF : 90749.4/18

Left In: -24.796 ± 0.016 χ^2/NDF : 11821.6/20

Left: -24.749 ± 0.011 χ^2/NDF : 34247.1/43

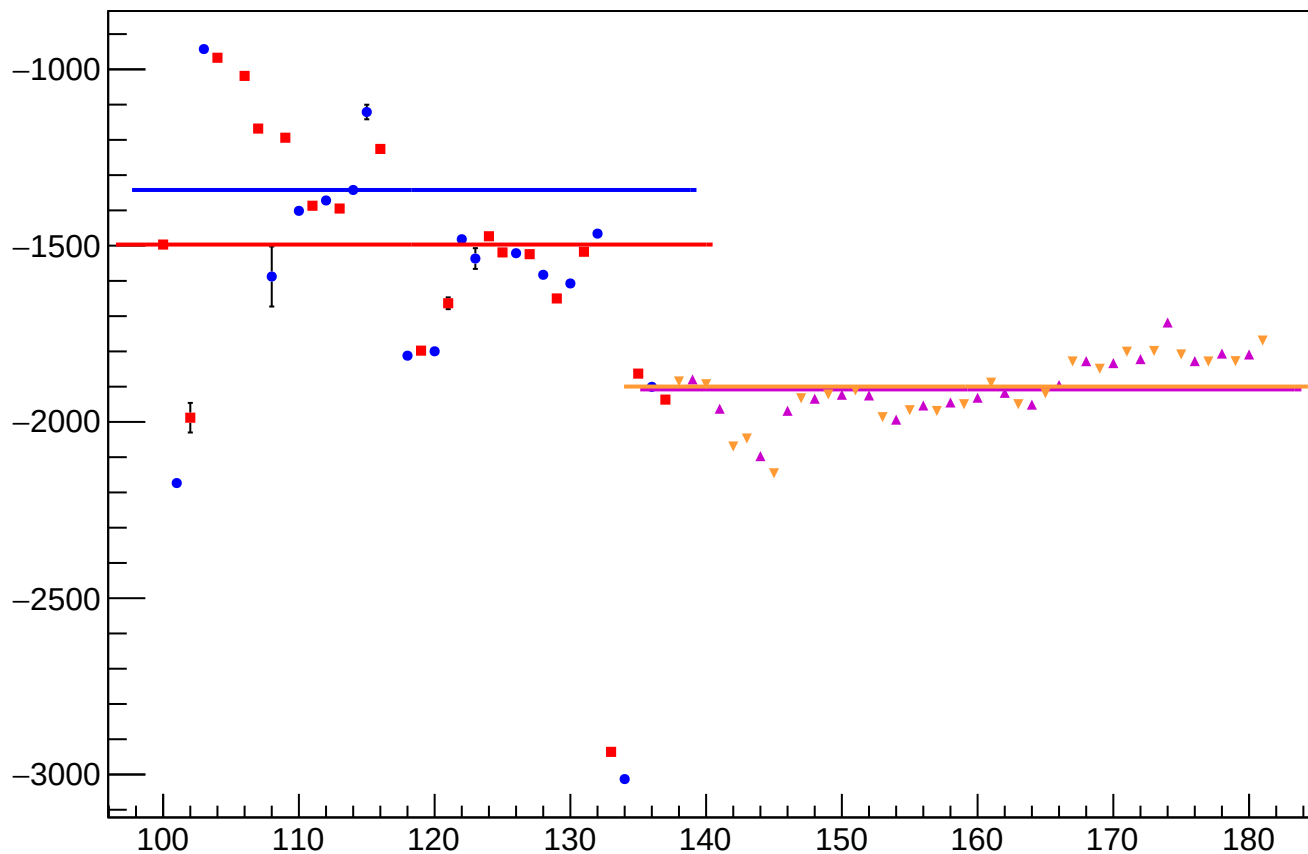
Right: -32.504 ± 0.000 χ^2/NDF : 203519.3/35

In: -32.504 ± 0.000 χ^2/NDF : 332877.2/37

Out: -24.553 ± 0.015 χ^2/NDF : 114115.9/41

All: -32.504 ± 0.000 χ^2/NDF : 737554.1/79

dit_atr2_4aX_slope vs Slug, Sign Corrected



Right In: -1342.107 $\pm$ 0.000 χ^2 /NDF: 370901.4/16

Left Out: -1899.686 $\pm$ 0.323 χ^2 /NDF: 59165.8/22

Right Out: -1496.932 $\pm$ 0.000 χ^2 /NDF: 504712.5/18

Left In: -1907.772 $\pm$ 0.293 χ^2 /NDF: 58657.3/20

Left: -1904.122 $\pm$ 0.217 χ^2 /NDF: 118167.3/43

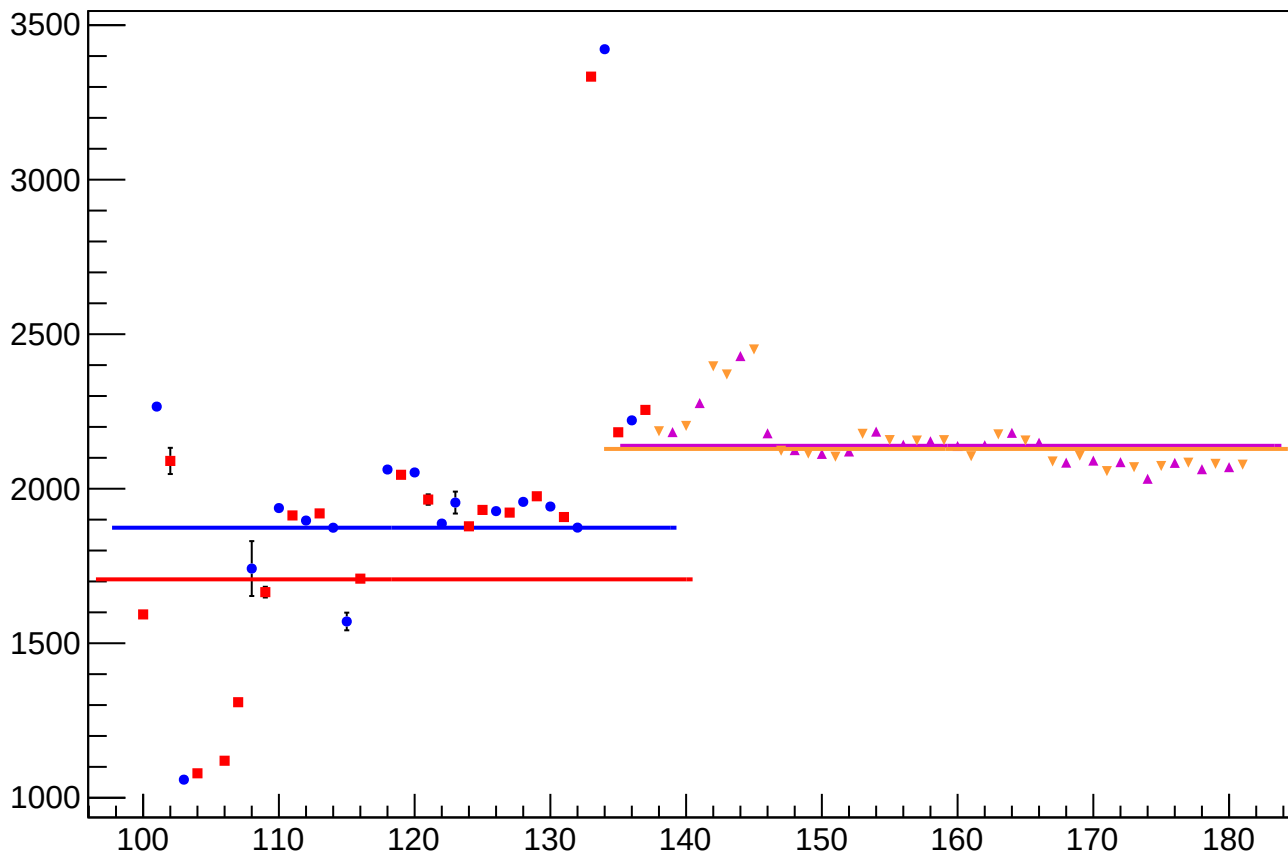
Right: -1396.751 $\pm$ 0.000 χ^2 /NDF: 1800086126763

In: -1342.107 $\pm$ 0.000 χ^2 /NDF: 4161948.5/37

Out: -1496.932 $\pm$ 0.000 χ^2 /NDF: 2120706.9/41

All: -1396.751 $\pm$ 0.000 χ^2 /NDF: 1800086126

dit_atr2_4eX_slope vs Slug, Sign Corrected



Right In: 1873.852 $\pm$ 0.000 χ^2 /NDF: 201563.9/16

Left Out: 2128.739 $\pm$ 0.322 χ^2 /NDF:45690.9/22

Right Out: 1706.739 $\pm$ 0.302 χ^2 /NDF: 837936.9/18

Left In: 2138.853 $\pm$ 0.294 χ^2 /NDF:53952.6/20

Left: 2134.262 $\pm$ 0.217 χ^2 /NDF: 100182.5/43

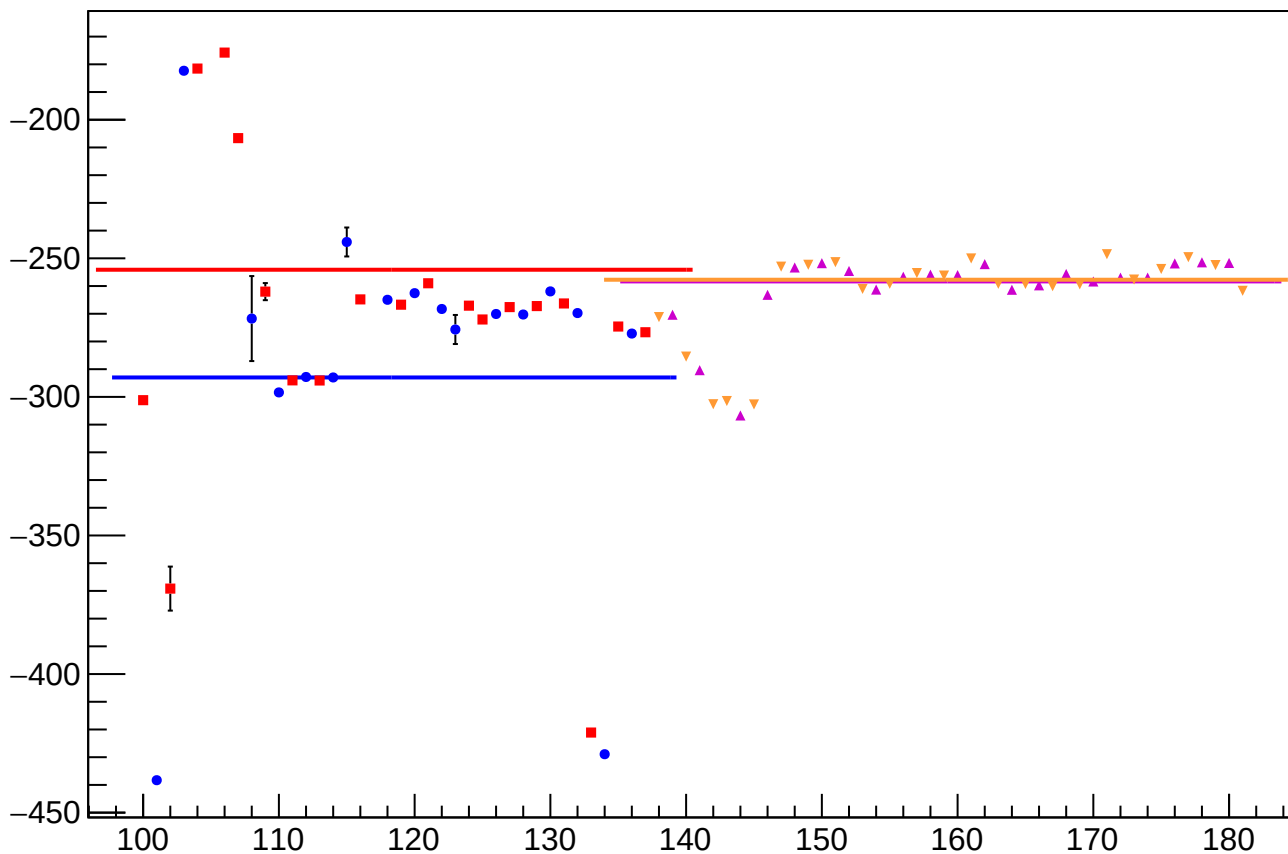
Right: 1873.852 $\pm$ 0.000 χ^2 /NDF: 1344906.8/35

In: 1873.852 $\pm$ 0.000 χ^2 /NDF:1070632.6/37

Out: 1904.552 $\pm$ 0.220 χ^2 /NDF:1796533.6/41

All: 1873.852 $\pm$ 0.000 χ^2 /NDF: 2886568.1/79

dit_atr2_11X12X_slope vs Slug, Sign Corrected



Right In: -292.986 ± 0.000 $\chi^2/\text{NDF}: 1015592.4/16$

Left Out: -257.726 ± 0.020 $\chi^2/\text{NDF}: 225353.7/22$

Right Out: -254.119 ± 0.059 $\chi^2/\text{NDF}: 502658.5/18$

Left In: -258.333 ± 0.018 $\chi^2/\text{NDF}: 266744.6/20$

Left: -258.067 ± 0.013 $\chi^2/\text{NDF}: 492613.4/43$

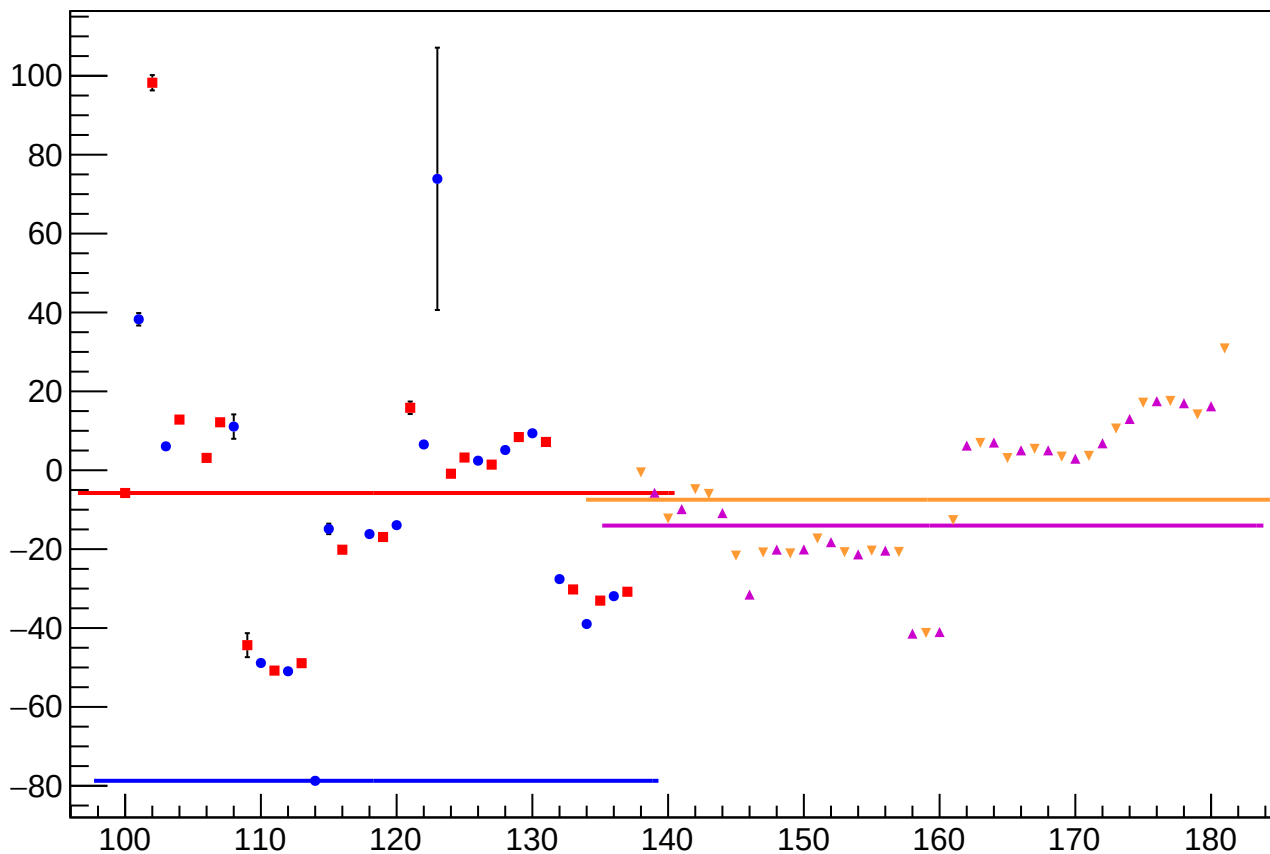
Right: -292.986 ± 0.000 $\chi^2/\text{NDF}: 1952225.7/35$

In: -292.986 ± 0.000 $\chi^2/\text{NDF}: 5120810.8/37$

Out: -257.352 ± 0.019 $\chi^2/\text{NDF}: 731363.4/41$

All: -292.986 ± 0.000 $\chi^2/\text{NDF}: 9374589.9/79$

dit_atr2_4aY_slope vs Slug, Sign Corrected



Right In: -78.728 ± 0.000 $\chi^2/\text{NDF}: 1399088.3/16$

Left Out: -7.468 ± 0.018 $\chi^2/\text{NDF}: 1016506.0/22$

Right Out: -5.769 ± 0.000 $\chi^2/\text{NDF}: 111570.1/18$

Left In: -14.025 ± 0.017 $\chi^2/\text{NDF}: 1238765.1/20$

Left: -10.922 ± 0.012 $\chi^2/\text{NDF}: 2325006.7/43$

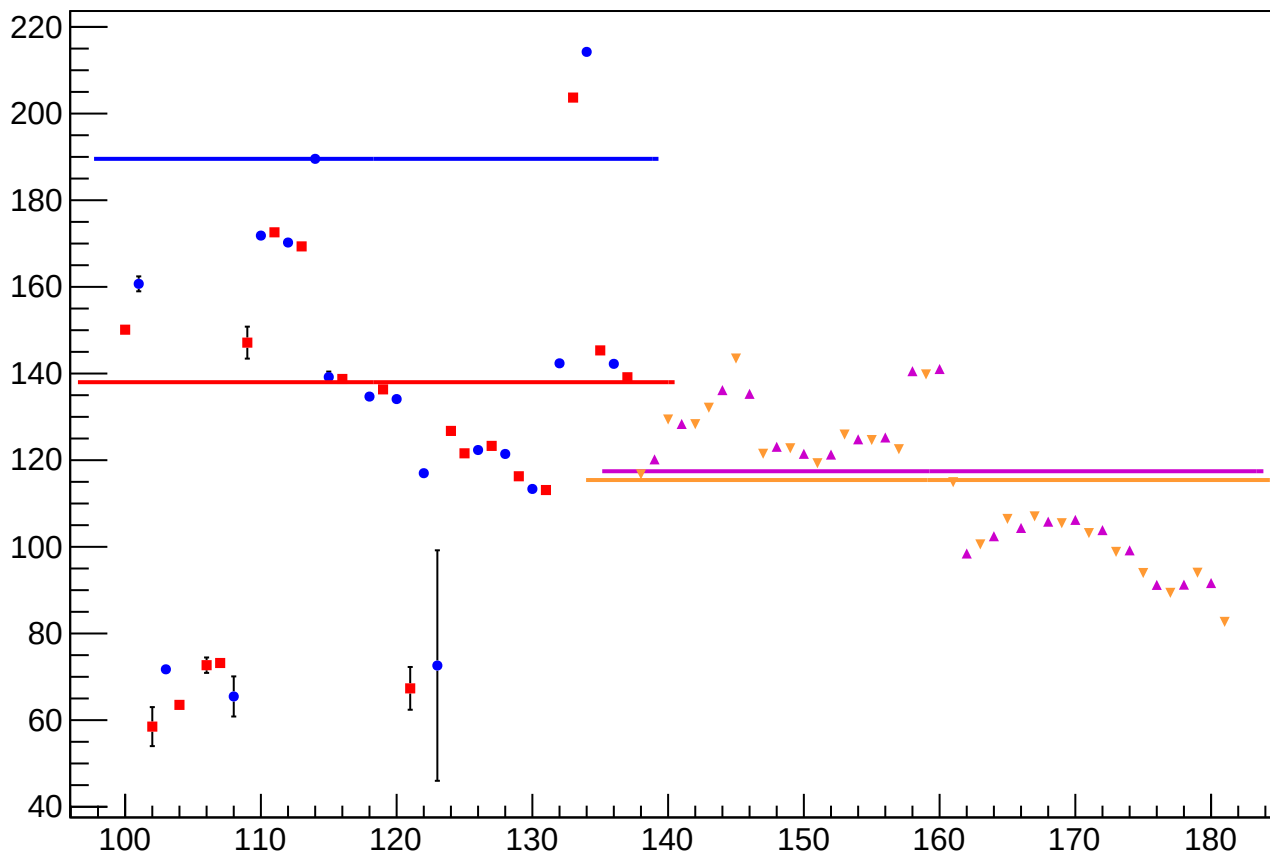
Right: -6.288 ± 0.000 $\chi^2/\text{NDF}: 2878797679293380$

In: -78.728 ± 0.000 $\chi^2/\text{NDF}: 16982302.0/37$

Out: -5.769 ± 0.000 $\chi^2/\text{NDF}: 1136952.0/41$

All: -6.288 ± 0.000 $\chi^2/\text{NDF}: 2878797679293$

dit_atr2_4eY_slope vs Slug, Sign Corrected



Right In: 189.551 ± 0.000 χ^2/NDF : 927391.8/16

Left Out: 115.420 ± 0.023 χ^2/NDF : 374992.3/22

Right Out: 138.002 ± 0.059 χ^2/NDF : 117357.8/18

Left In: 117.448 ± 0.024 χ^2/NDF : 405731.2/20

Left: 116.391 ± 0.017 χ^2/NDF : 784464.0/43

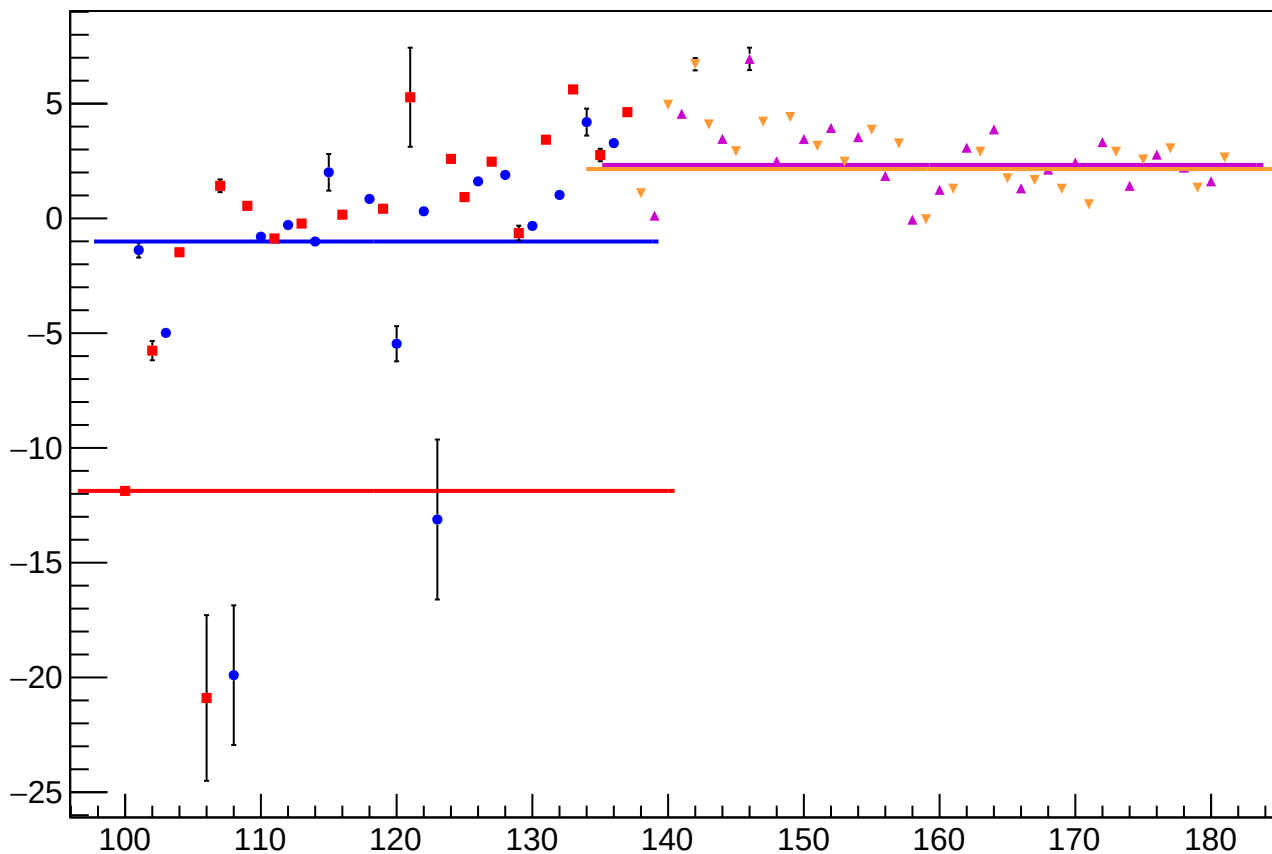
Right: 189.551 ± 0.000 χ^2/NDF : 1806450.5/35

In: 189.551 ± 0.000 χ^2/NDF : 10400303.9/37

Out: 118.383 ± 0.021 χ^2/NDF : 619340.2/41

All: 189.551 ± 0.000 χ^2/NDF : 22081689.5/79

dit_sam1_4aX_slope vs Slug, Sign Corrected



Right In: -1.007 ± 0.000 χ^2/NDF : 7057.7/16

Left Out: 2.151 ± 0.015 χ^2/NDF : 6570.1/22

Right Out: -11.872 ± 0.000 χ^2/NDF : 503632.2/18

Left In: 2.328 ± 0.014 χ^2/NDF : 7198.2/20

Left: 2.243 ± 0.010 χ^2/NDF : 13840.7/43

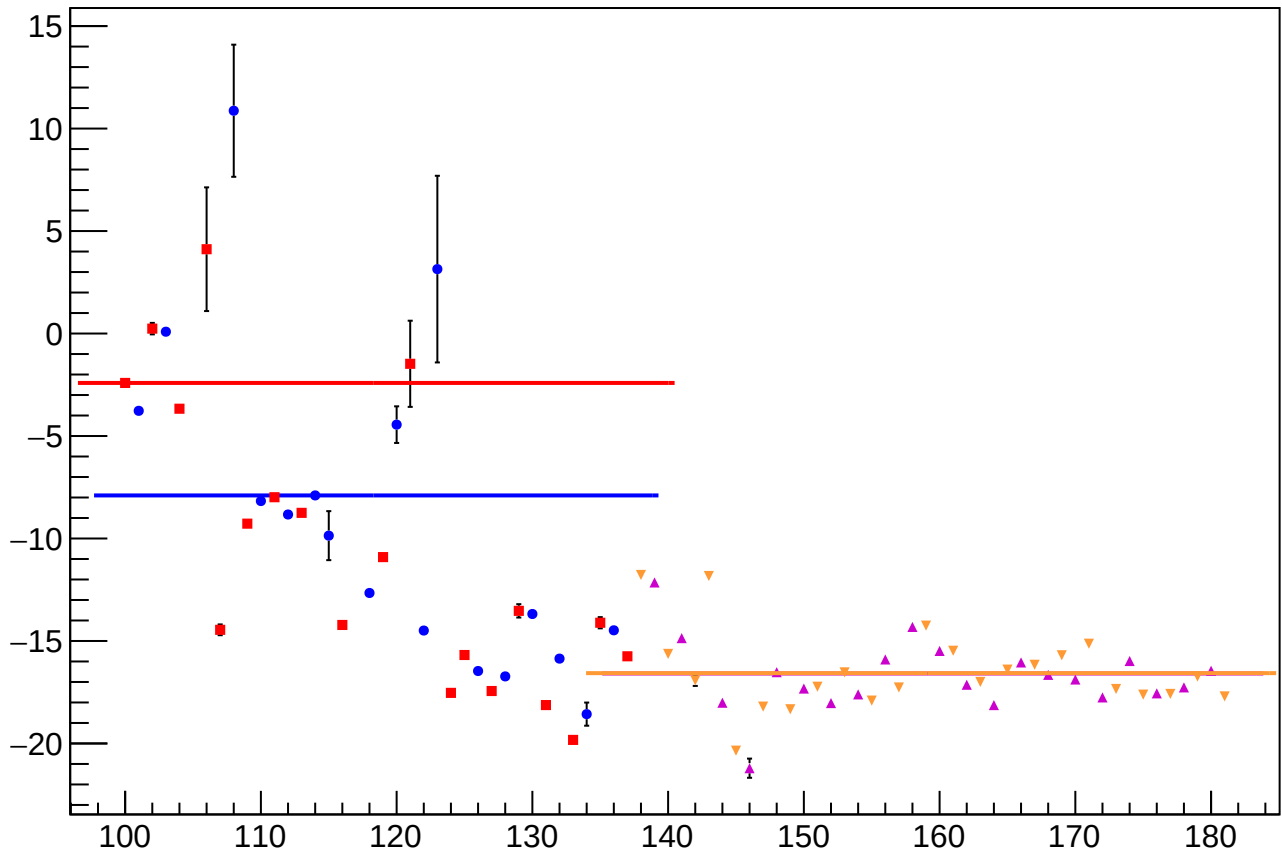
Right: -1.365 ± 0.000 χ^2/NDF : 2170760676638215

In: -1.007 ± 0.000 χ^2/NDF : 67613.3/37

Out: -11.872 ± 0.000 χ^2/NDF : 1375323.3/41

All: -1.365 ± 0.000 χ^2/NDF : 2170760676638

dit_sam1_4eX_slope vs Slug, Sign Corrected



Right In: -7.899 ± 0.000 $\chi^2/\text{NDF}: 39443.5/16$

Left Out: -16.569 ± 0.015 $\chi^2/\text{NDF}: 8371.5/22$

Right Out: -2.410 ± 0.000 $\chi^2/\text{NDF}: 203043.8/18$

Left In: -16.586 ± 0.015 $\chi^2/\text{NDF}: 5982.0/20$

Left: -16.577 ± 0.011 $\chi^2/\text{NDF}: 14354.2/43$

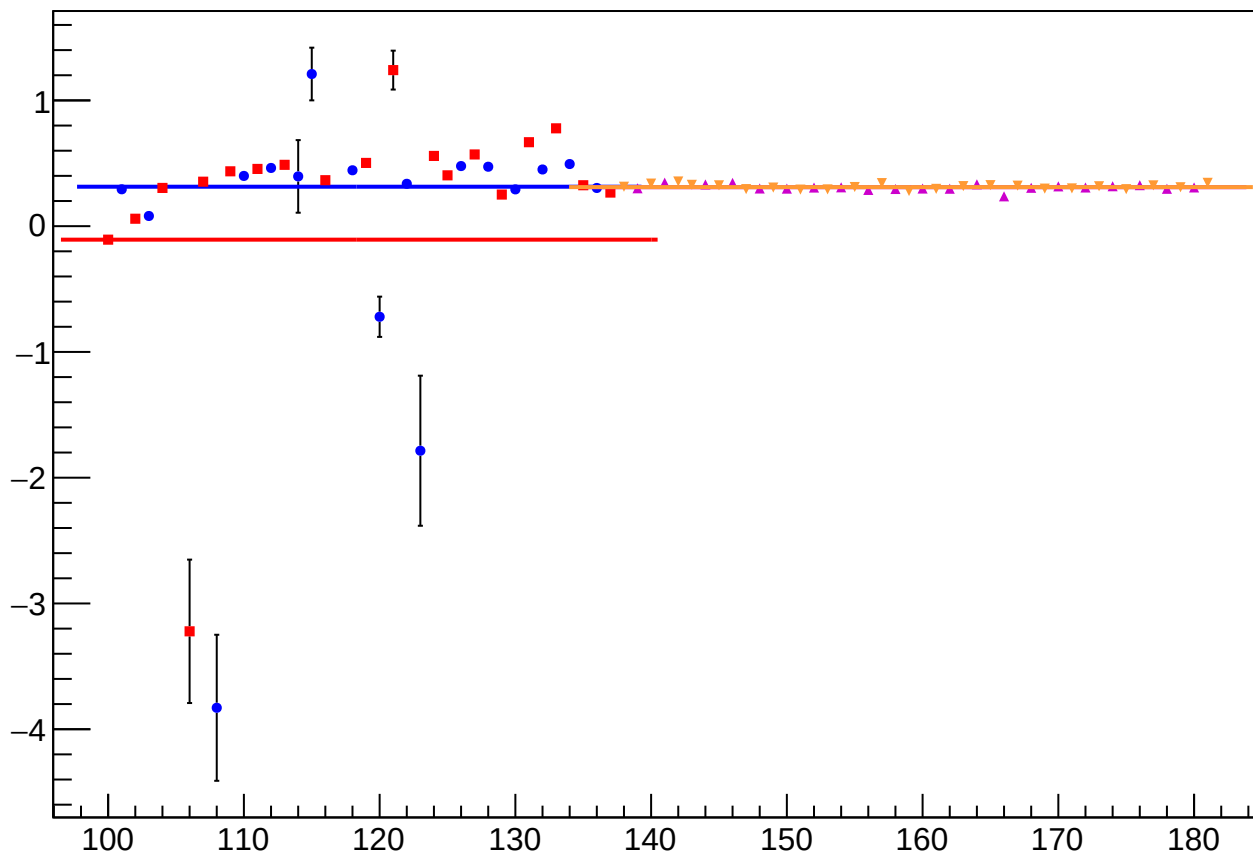
Right: -4.135 ± 0.000 $\chi^2/\text{NDF}: 2879850560728951$

In: -7.899 ± 0.000 $\chi^2/\text{NDF}: 379306.3/37$

Out: -2.410 ± 0.000 $\chi^2/\text{NDF}: 1129663.0/41$

All: -4.135 ± 0.000 $\chi^2/\text{NDF}: 2879850560728$

dit_sam1_11X12X_slope vs Slug, Sign Corrected



Right In: 0.314 ± 0.001 $\chi^2/\text{NDF}: 2748.0/16$

Left Out: 0.311 ± 0.000 $\chi^2/\text{NDF}: 4879.3/22$

Right Out: -0.107 ± 0.000 $\chi^2/\text{NDF}: 219932.8/18$

Left In: 0.310 ± 0.000 $\chi^2/\text{NDF}: 3073.6/20$

Left: 0.310 ± 0.000 $\chi^2/\text{NDF}: 7956.9/43$

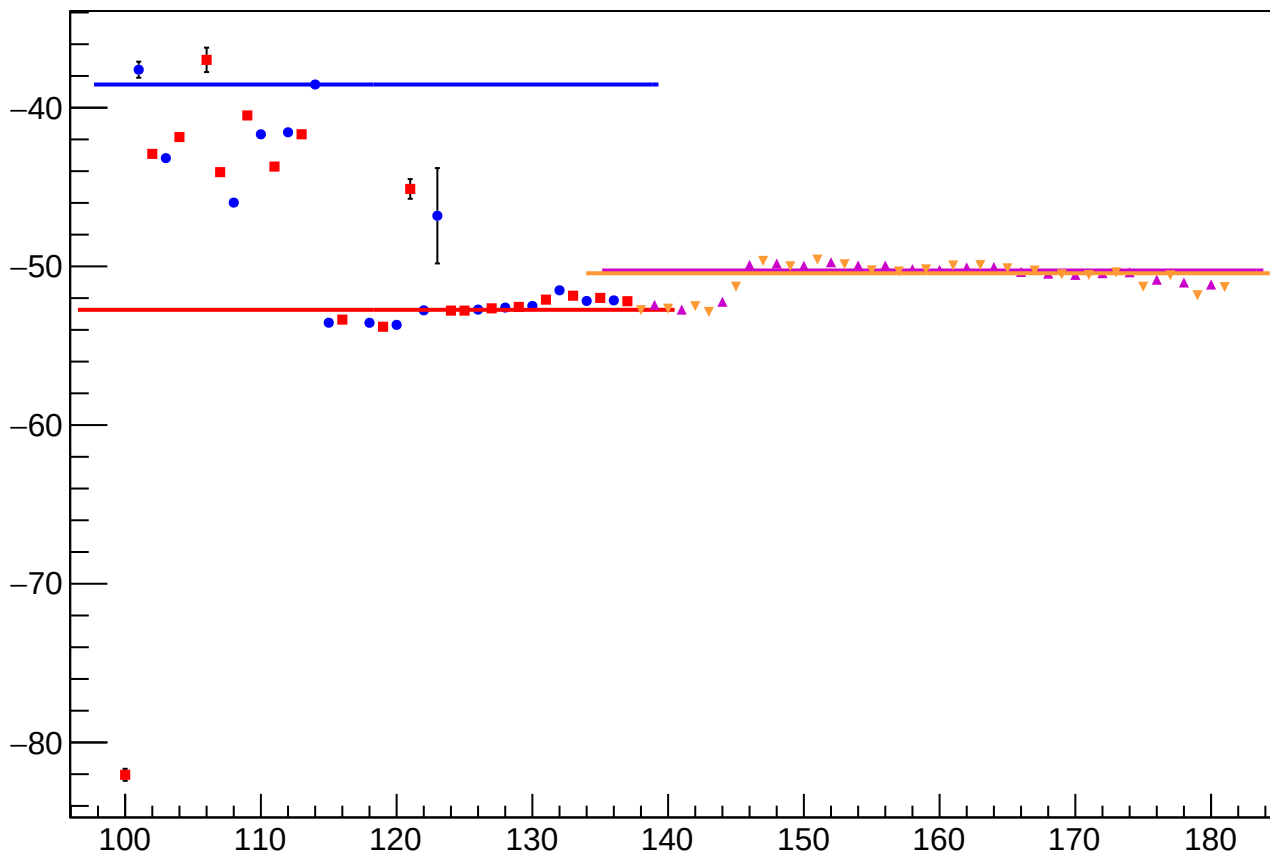
Right: -0.107 ± 0.000 $\chi^2/\text{NDF}: 409026.8/35$

In: 0.310 ± 0.000 $\chi^2/\text{NDF}: 5836.5/37$

Out: -0.107 ± 0.000 $\chi^2/\text{NDF}: 3459192.4/41$

All: -0.107 ± 0.000 $\chi^2/\text{NDF}: 6743076.0/79$

dit_sam1_4aY_slope vs Slug, Sign Corrected



Right In: -38.539 ± 0.000 $\chi^2/\text{NDF}: 14950854.6/16$

Left Out: -50.433 ± 0.001 $\chi^2/\text{NDF}: 297751.7/22$

Right Out: -52.737 ± 0.002 $\chi^2/\text{NDF}: 87430.2/18$

Left In: -50.260 ± 0.001 $\chi^2/\text{NDF}: 176627.6/20$

Left: -50.338 ± 0.001 $\chi^2/\text{NDF}: 482889.3/43$

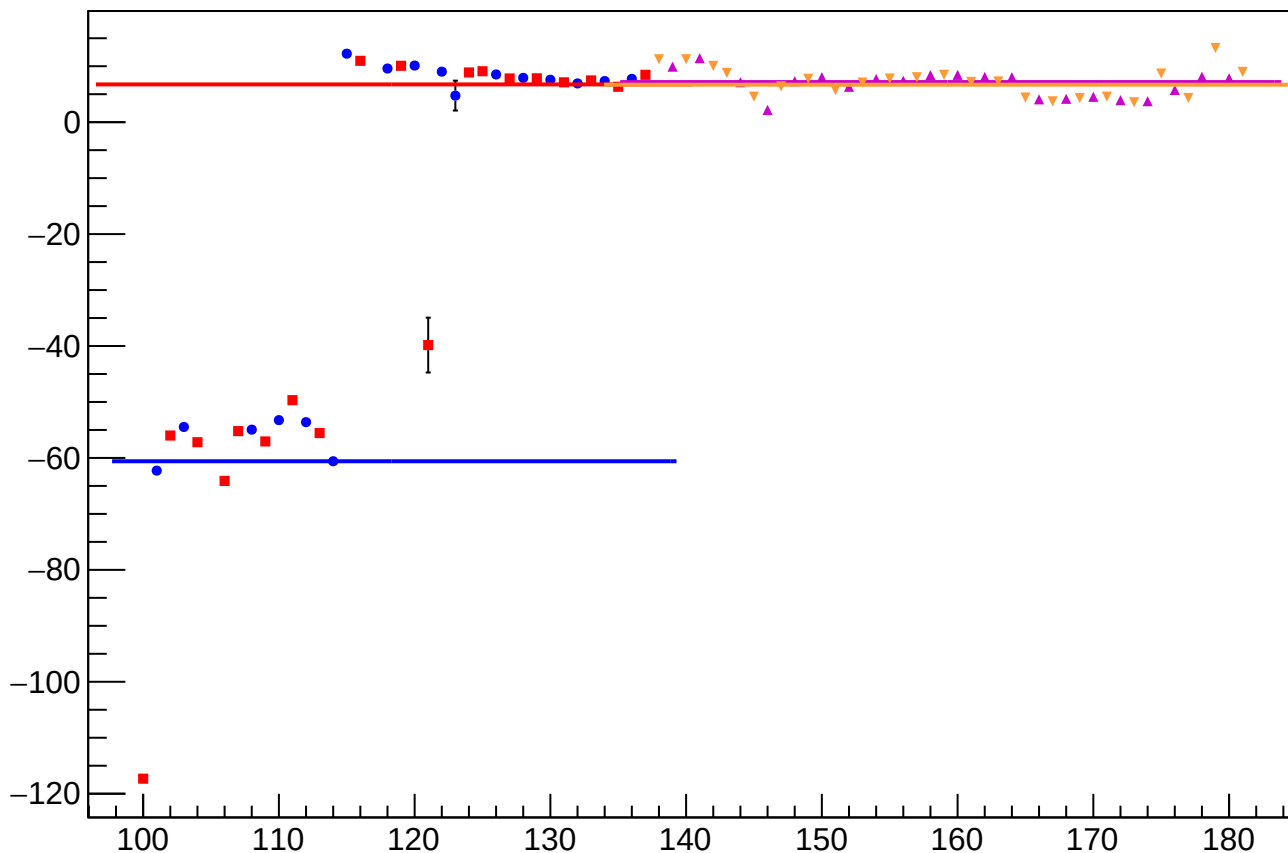
Right: -38.539 ± 0.000 $\chi^2/\text{NDF}: 72100834.2/35$

In: -38.539 ± 0.000 $\chi^2/\text{NDF}: 101887722.9/37$

Out: -51.249 ± 0.001 $\chi^2/\text{NDF}: 1355557.1/41$

All: -38.539 ± 0.000 $\chi^2/\text{NDF}: 232436913.2/7$

dit_sam1_4eY_slope vs Slug, Sign Corrected



Right In: -60.594 $\pm$ 0.000 χ^2 /NDF: 26122838.1/16

Left Out: 6.696 $\pm$ 0.004 χ^2 /NDF: 327986.0/22

Right Out: 6.748 $\pm$ 0.011 χ^2 /NDF: 1266598.3/18

Left In: 7.166 $\pm$ 0.003 χ^2 /NDF: 208827.6/20

Left: 6.948 $\pm$ 0.003 χ^2 /NDF: 545326.2/43

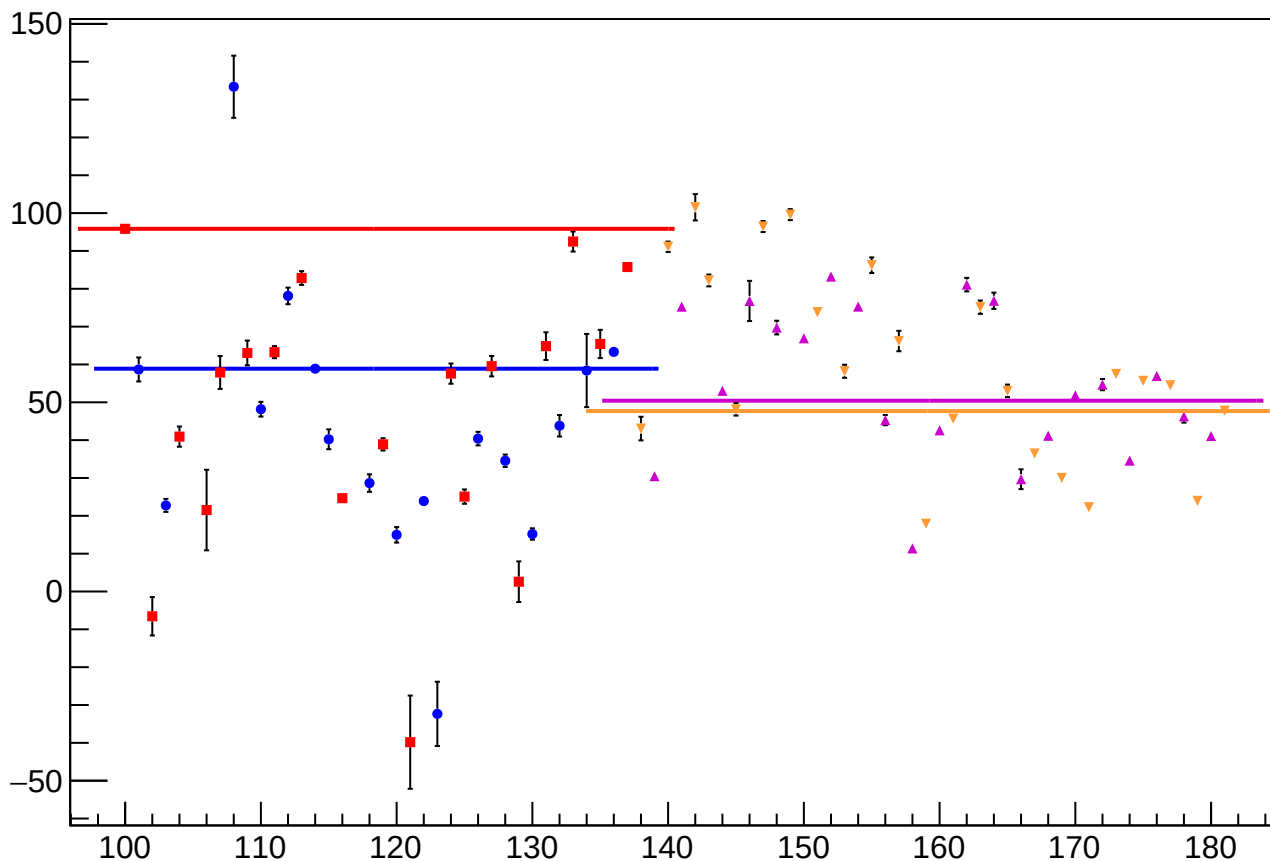
Right: -60.594 $\pm$ 0.000 χ^2 /NDF: 64778482.9/35

In: -60.594 $\pm$ 0.000 χ^2 /NDF: 408826426.1/37

Out: 6.702 $\pm$ 0.004 χ^2 /NDF: 1594604.3/41

All: -60.594 $\pm$ 0.000 χ^2 /NDF: 775012795.1/7

dit_sam2_4aX_slope vs Slug, Sign Corrected



Right In: 58.880 $\pm$ 0.000 χ^2 /NDF: 3814.7/16

Left Out: 47.684 $\pm$ 0.226 χ^2 /NDF: 9080.2/22

Right Out: 95.846 $\pm$ 0.000 χ^2 /NDF: 39385.0/18

Left In: 50.422 $\pm$ 0.218 χ^2 /NDF: 6345.1/20

Left: 49.103 $\pm$ 0.157 χ^2 /NDF: 15501.6/43

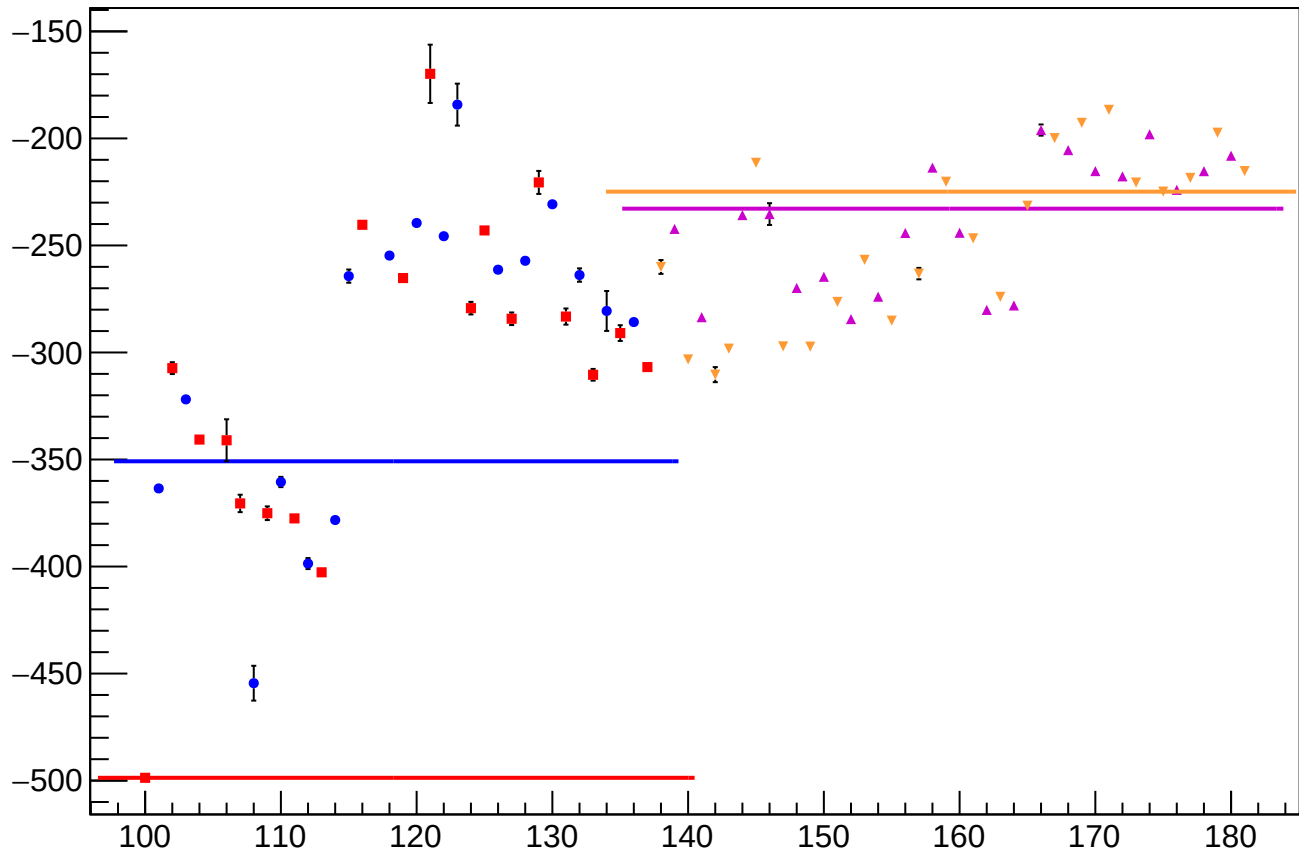
Right: 60.098 $\pm$ 0.000 χ^2 /NDF: 9815233945666380

In: 58.880 $\pm$ 0.000 χ^2 /NDF: 11670.5/37

Out: 95.846 $\pm$ 0.000 χ^2 /NDF: 93978.4/41

All: 60.098 $\pm$ 0.000 χ^2 /NDF: 9815233945666380

dit_sam2_4eX_slope vs Slug, Sign Corrected



Right In: -350.833 ± 0.245 $\chi^2/\text{NDF}: 41301.1/16$

Left Out: -224.871 ± 0.226 $\chi^2/\text{NDF}: 21793.9/22$

Right Out: -498.692 ± 0.000 $\chi^2/\text{NDF}: 511870.8/18$

Left In: -232.818 ± 0.223 $\chi^2/\text{NDF}: 16998.5/20$

Left: -228.906 ± 0.159 $\chi^2/\text{NDF}: 39419.9/43$

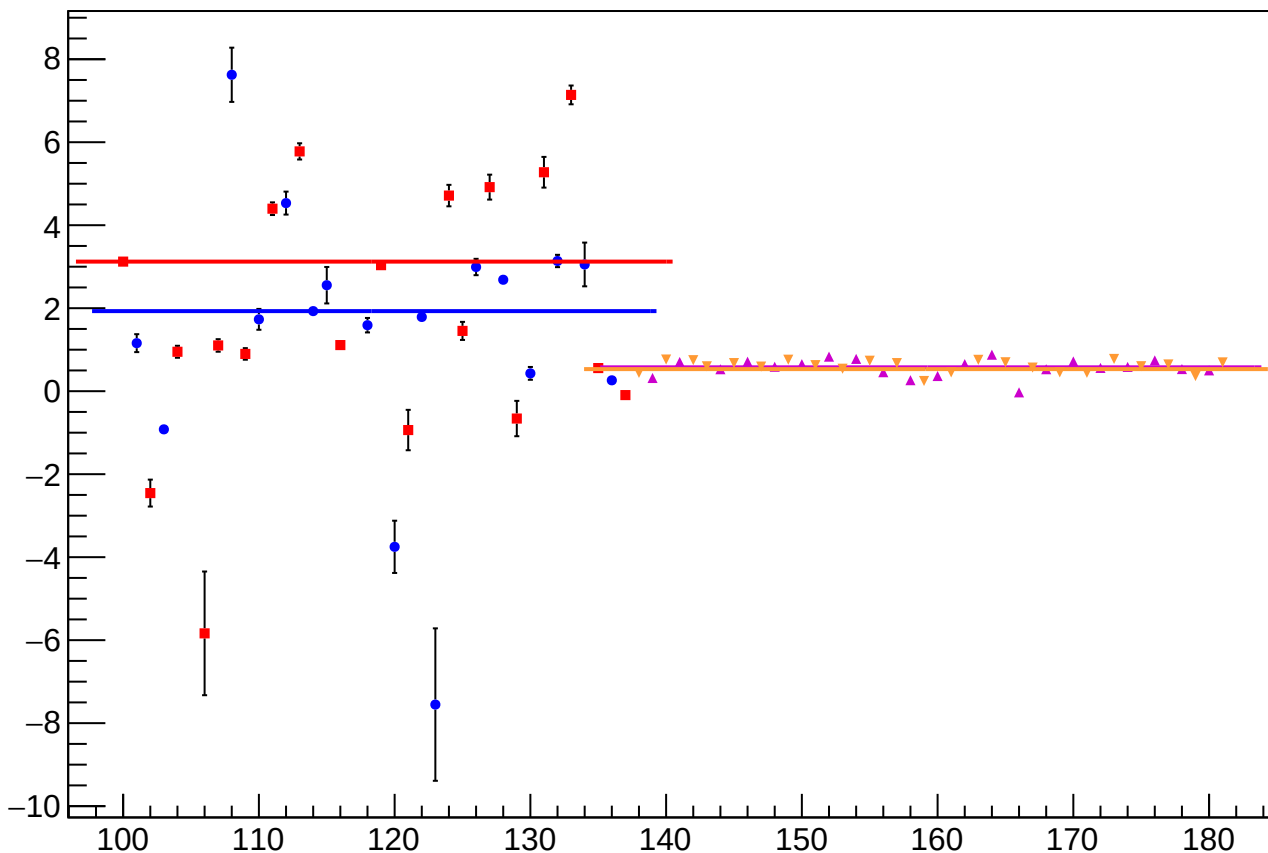
Right: -498.692 ± 0.000 $\chi^2/\text{NDF}: 918780.8/35$

In: -286.287 ± 0.165 $\chi^2/\text{NDF}: 185686.6/37$

Out: -498.692 ± 0.000 $\chi^2/\text{NDF}: 2001112.2/41$

All: -498.692 ± 0.000 $\chi^2/\text{NDF}: 3852046.5/79$

dit_sam2_11X12X_slope vs Slug, Sign Corrected



Right In: 1.930 ± 0.000 $\chi^2/\text{NDF}: 59970.9/16$

Left Out: 0.532 ± 0.002 $\chi^2/\text{NDF}: 10646.4/22$

Right Out: 3.123 ± 0.000 $\chi^2/\text{NDF}: 512565.5/18$

Left In: 0.575 ± 0.001 $\chi^2/\text{NDF}: 15176.8/20$

Left: 0.557 ± 0.001 $\chi^2/\text{NDF}: 26171.1/43$

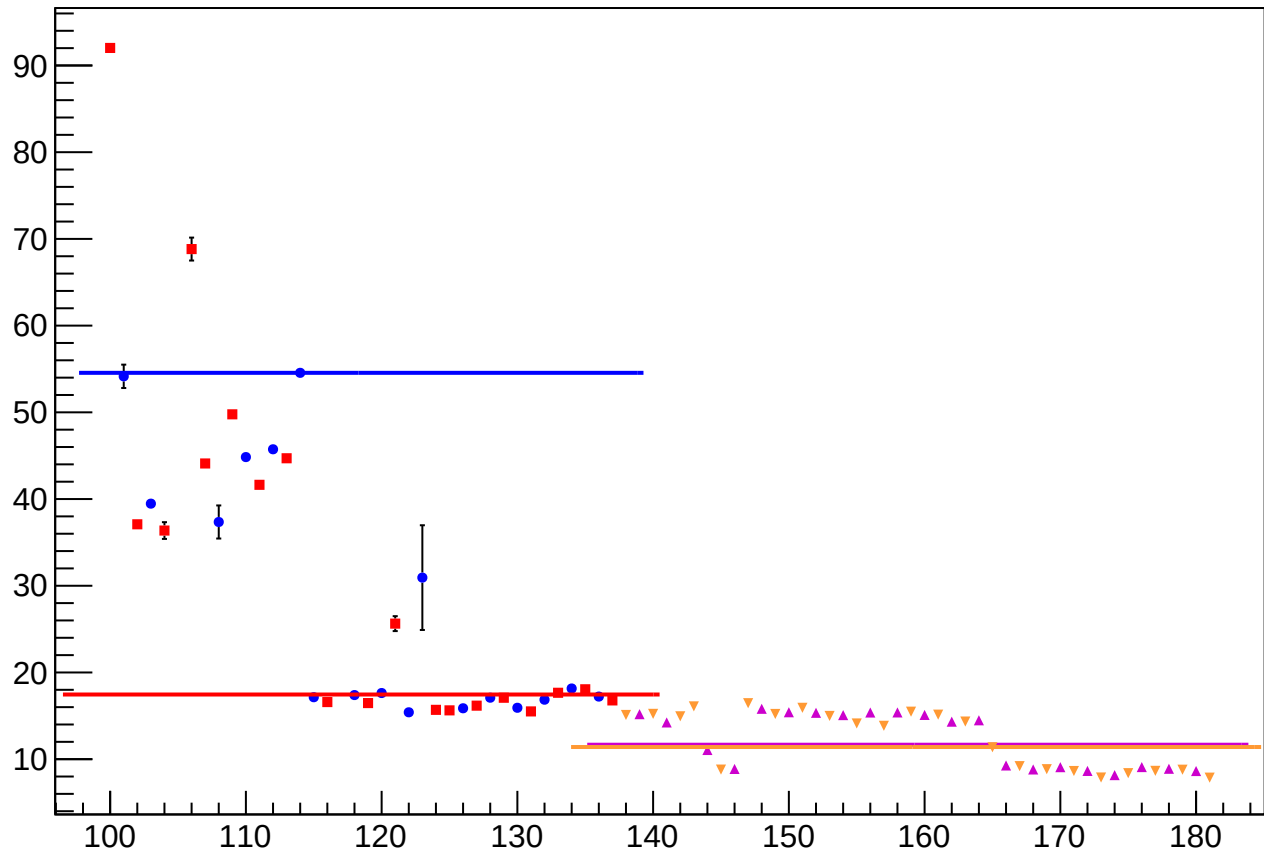
Right: 2.073 ± 0.000 $\chi^2/\text{NDF}: 38099534578085305$

In: 1.930 ± 0.000 $\chi^2/\text{NDF}: 911975.1/37$

Out: 3.123 ± 0.000 $\chi^2/\text{NDF}: 2674743.0/41$

All: 2.073 ± 0.000 $\chi^2/\text{NDF}: 38099534578085$

dit_sam2_4aY_slope vs Slug, Sign Corrected



Right In: 54.556+/-0.000 χ^2/NDF : 7238433.0/16

Left Out: 11.402+/-0.006 χ^2/NDF : 353230.0/22

Right Out: 17.458+/-0.018 χ^2/NDF : 99308.5/18

Left In: 11.667+/-0.005 χ^2/NDF : 360014.7/20

Left: 11.542+/-0.004 χ^2/NDF : 714394.6/43

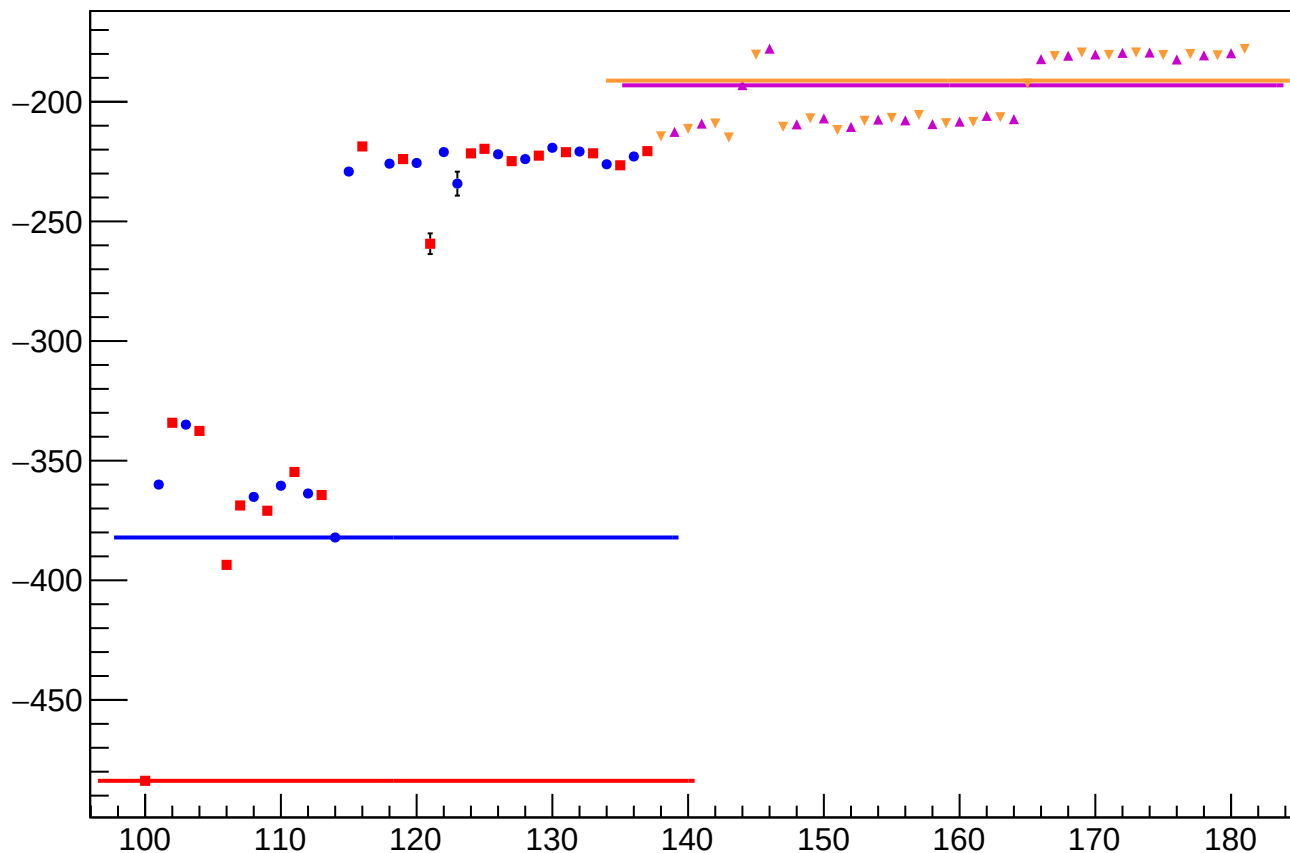
Right: 54.556+/-0.000 χ^2/NDF : 11453944.4/35

In: 54.556+/-0.000 χ^2/NDF : 70981548.8/37

Out: 11.933+/-0.005 χ^2/NDF : 552626.8/41

All: 54.556+/-0.000 χ^2/NDF : 133578589.4/79

dit_sam2_4eY_slope vs Slug, Sign Corrected



Right In: -382.108 ± 0.000 $\chi^2/\text{NDF}: 18398024.3/16$

Left Out: -191.155 ± 0.011 $\chi^2/\text{NDF}: 1562642.0/22$

Right Out: -483.800 ± 0.000 $\chi^2/\text{NDF}: 24338683.6/18$

Left In: -193.124 ± 0.012 $\chi^2/\text{NDF}: 1441750.4/20$

Left: -192.114 ± 0.008 $\chi^2/\text{NDF}: 3018951.6/43$

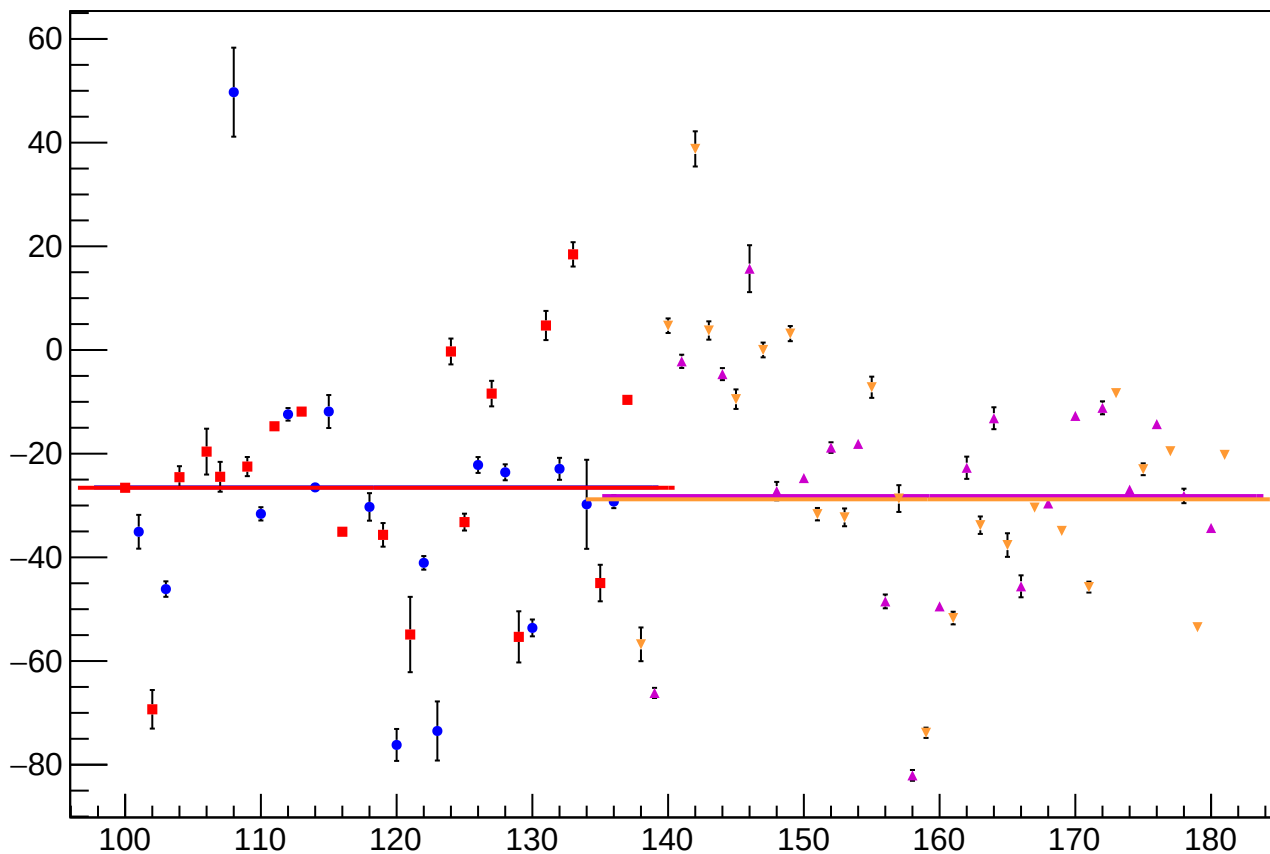
Right: -417.999 ± 0.000 $\chi^2/\text{NDF}: 12425488813367$

In: -382.108 ± 0.000 $\chi^2/\text{NDF}: 281294906.8/37$

Out: -483.800 ± 0.000 $\chi^2/\text{NDF}: 686335966.1/41$

All: -417.999 ± 0.000 $\chi^2/\text{NDF}: 12425488813$

dit_sam3_4aX_slope vs Slug, Sign Corrected



Right In: -26.504 ± 0.000 $\chi^2/\text{NDF}: 1180.7/16$

Left Out: -28.804 ± 0.241 $\chi^2/\text{NDF}: 7060.8/22$

Right Out: -26.577 ± 0.000 $\chi^2/\text{NDF}: 2640.9/18$

Left In: -28.177 ± 0.219 $\chi^2/\text{NDF}: 7365.7/20$

Left: -28.460 ± 0.162 $\chi^2/\text{NDF}: 14430.1/43$

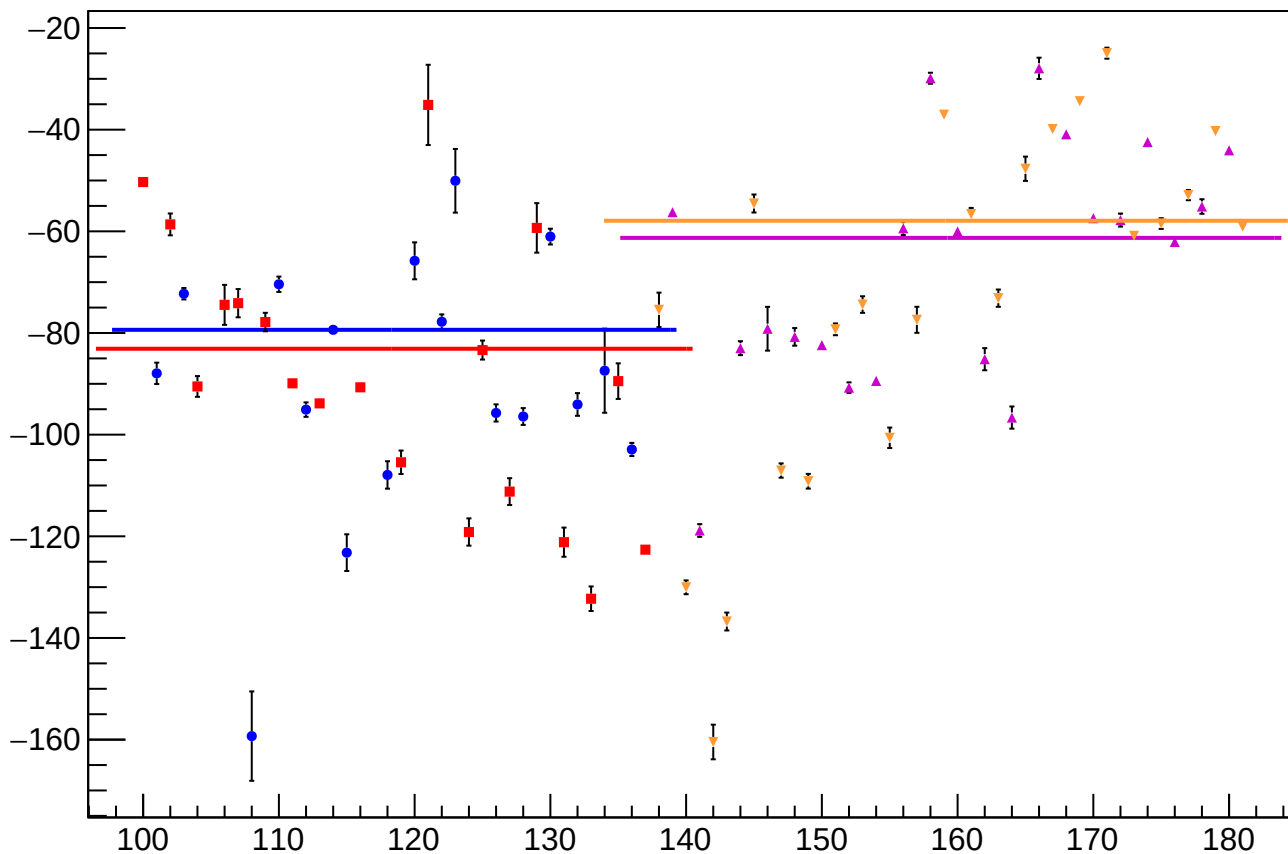
Right: -26.530 ± 0.000 $\chi^2/\text{NDF}: 412159279654659$

In: -26.504 ± 0.000 $\chi^2/\text{NDF}: 8604.9/37$

Out: -26.577 ± 0.000 $\chi^2/\text{NDF}: 9787.1/41$

All: -26.530 ± 0.000 $\chi^2/\text{NDF}: 412159279654$

dit_sam3_4eX_slope vs Slug, Sign Corrected



Right In: -79.376 ± 0.000 $\chi^2/\text{NDF}: 1304.6/16$

Left Out: -57.913 ± 0.235 $\chi^2/\text{NDF}: 12919.2/22$

Right Out: -83.099 ± 0.178 $\chi^2/\text{NDF}: 11915.8/18$

Left In: -61.289 ± 0.221 $\chi^2/\text{NDF}: 8652.0/20$

Left: -59.704 ± 0.161 $\chi^2/\text{NDF}: 21681.0/43$

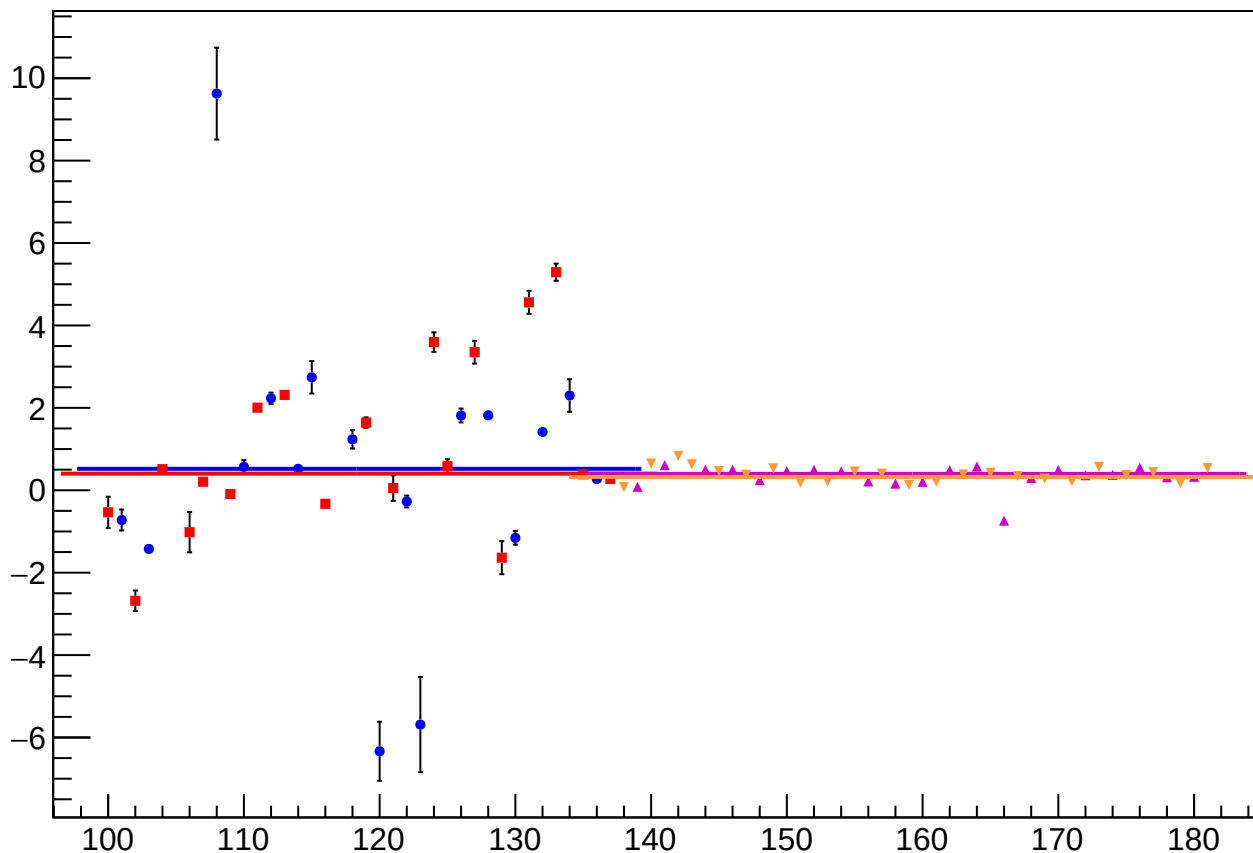
Right: -79.376 ± 0.000 $\chi^2/\text{NDF}: 13657.0/35$

In: -79.376 ± 0.000 $\chi^2/\text{NDF}: 16664.1/37$

Out: -73.888 ± 0.142 $\chi^2/\text{NDF}: 32141.8/41$

All: -79.376 ± 0.000 $\chi^2/\text{NDF}: 50301.4/79$

dit_sam3_11X12X_slope vs Slug, Sign Corrected



Right In: 0.521+/-0.000 χ^2/NDF : 3370.8/16

Left Out: 0.324+/-0.002 χ^2/NDF :10362.9/22

Right Out: 0.403+/-0.011 χ^2/NDF : 2727.5/18

Left In: 0.396+/-0.001 χ^2/NDF :10733.6/20

Left: 0.364+/-0.001 χ^2/NDF : 22183.7/43

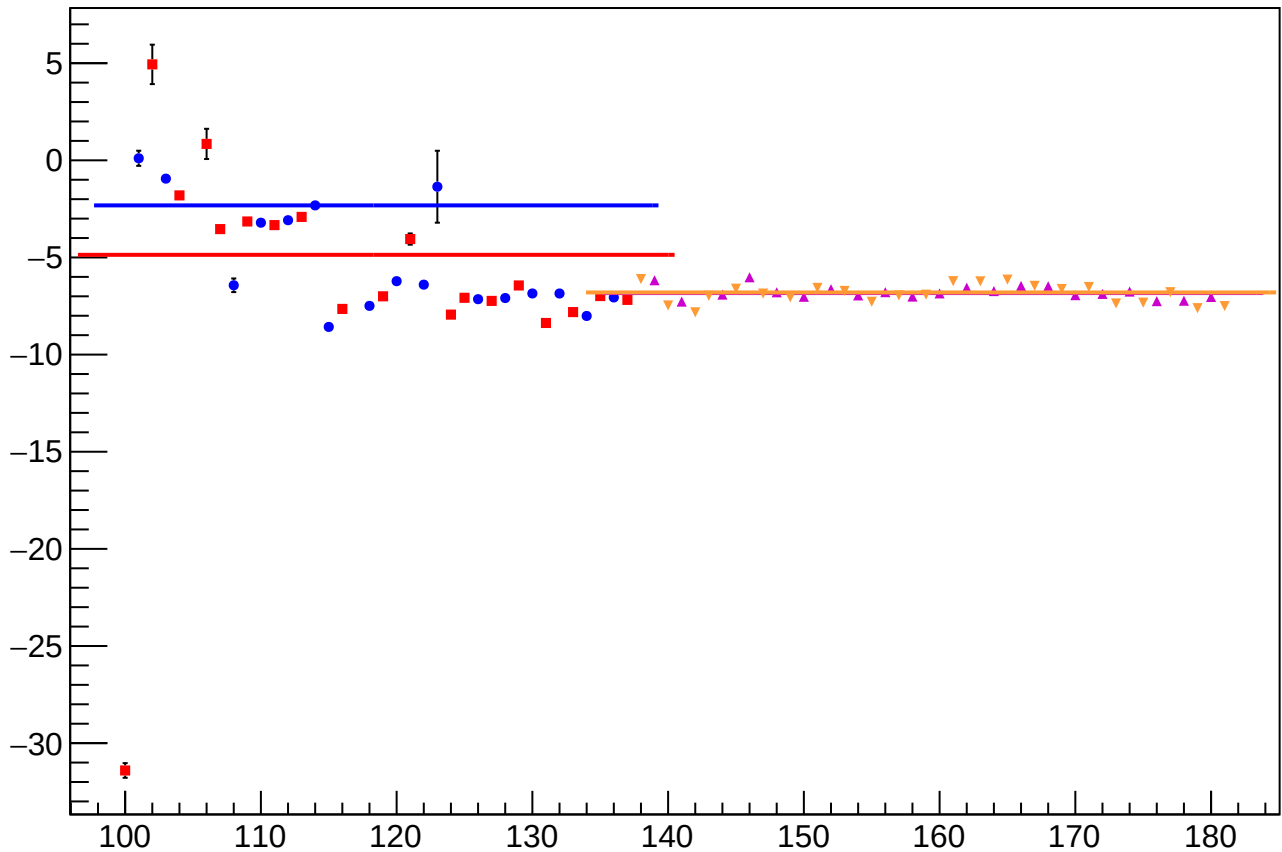
Right: 0.521+/-0.000 χ^2/NDF : 6215.1/35

In: 0.521+/-0.000 χ^2/NDF :21252.6/37

Out: 0.326+/-0.002 χ^2/NDF :13142.3/41

All: 0.521+/-0.000 χ^2/NDF : 48861.0/79

dit_sam3_4aY_slope vs Slug, Sign Corrected



Right In: -2.320 ± 0.000 χ^2/NDF : 270771.9/16

Left Out: -6.800 ± 0.003 χ^2/NDF : 14817.1/22

Right Out: -4.864 ± 0.010 χ^2/NDF : 49380.5/18

Left In: -6.833 ± 0.002 χ^2/NDF : 8667.5/20

Left: -6.817 ± 0.002 χ^2/NDF : 23569.6/43

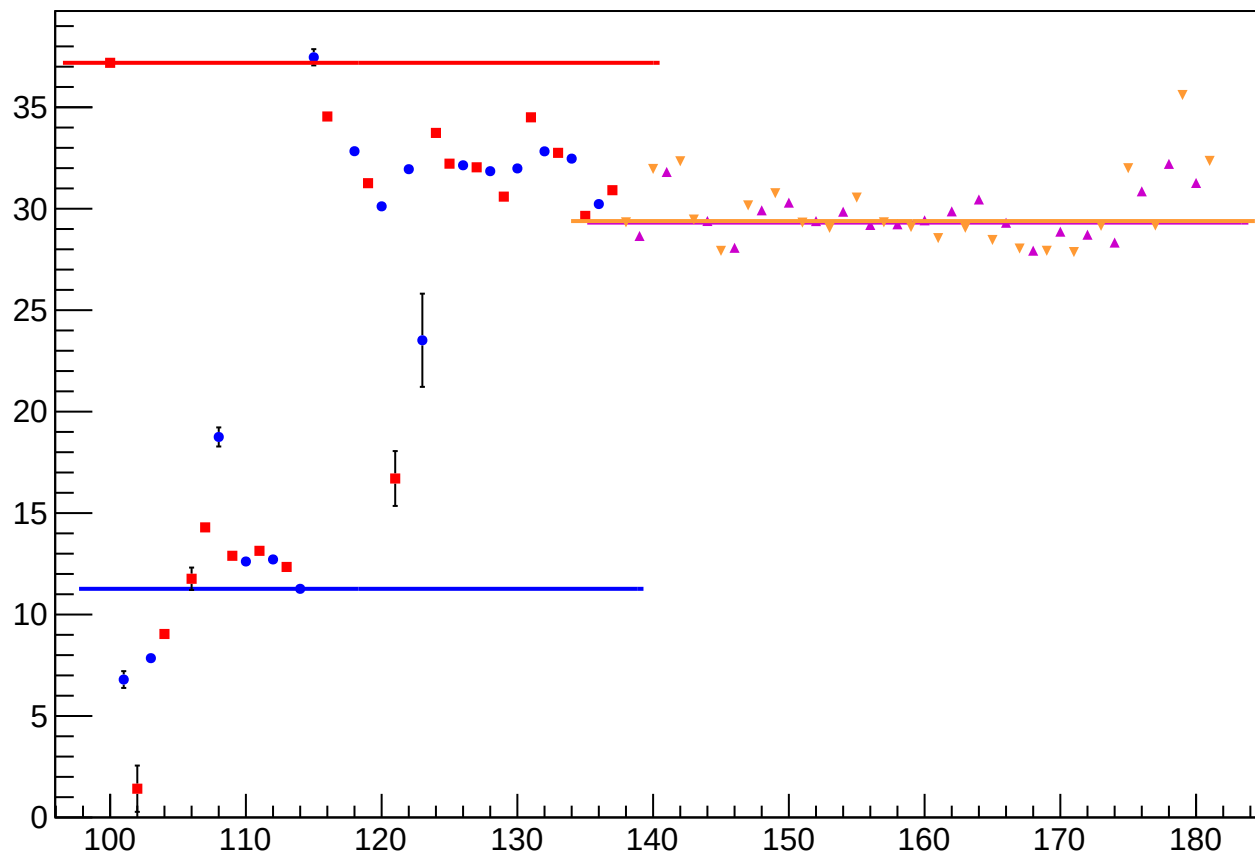
Right: -2.320 ± 0.000 χ^2/NDF : 381161.7/35

In: -2.320 ± 0.000 χ^2/NDF : 3770280.0/37

Out: -6.693 ± 0.002 χ^2/NDF : 97547.0/41

All: -2.320 ± 0.000 χ^2/NDF : 7107228.5/79

dit_sam3_4eY_slope vs Slug, Sign Corrected



Right In: 11.268 $\pm$ 0.000 χ^2 /NDF: 958029.3/16

Left Out: 29.391 $\pm$ 0.008 χ^2 /NDF:43376.6/22

Right Out: 37.191 $\pm$ 0.000 χ^2 /NDF: 1121929.1/18

Left In: 29.315 $\pm$ 0.008 χ^2 /NDF:11820.2/20

Left: 29.352 $\pm$ 0.006 χ^2 /NDF: 55241.1/43

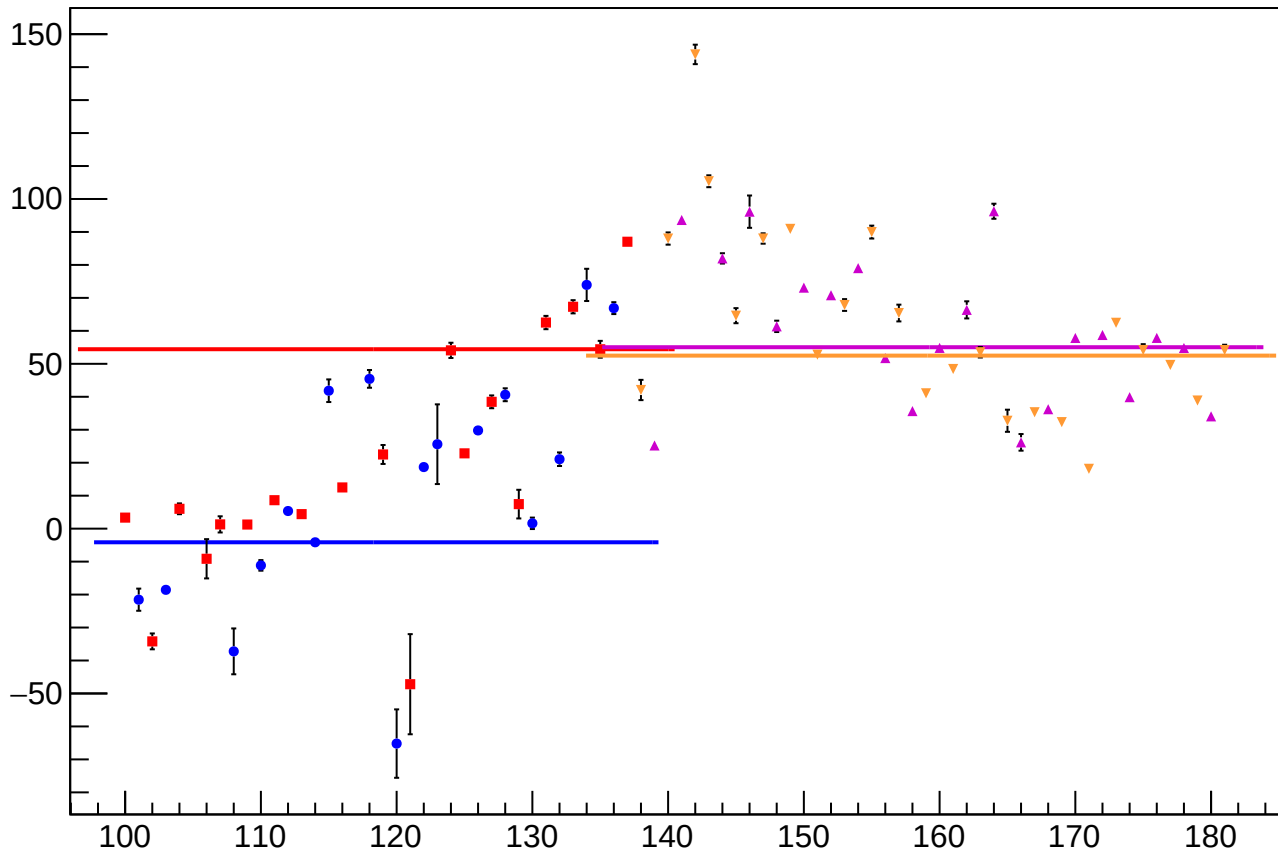
Right: 12.122 $\pm$ 0.000 χ^2 /NDF: 7723055694978834

In: 11.268 $\pm$ 0.000 χ^2 /NDF:6170064.4/37

Out: 37.191 $\pm$ 0.000 χ^2 /NDF:2056056.3/41

All: 12.122 $\pm$ 0.000 χ^2 /NDF: 7723055694978

dit_sam4_4aX_slope vs Slug, Sign Corrected



Right In: -4.139 ± 0.000 χ^2/NDF : 4654.2/16

Left Out: 52.487 ± 0.280 χ^2/NDF : 6112.0/22

Right Out: 54.427 ± 0.170 χ^2/NDF : 53998.7/18

Left In: 55.035 ± 0.250 χ^2/NDF : 5933.5/20

Left: 53.908 ± 0.187 χ^2/NDF : 12091.6/43

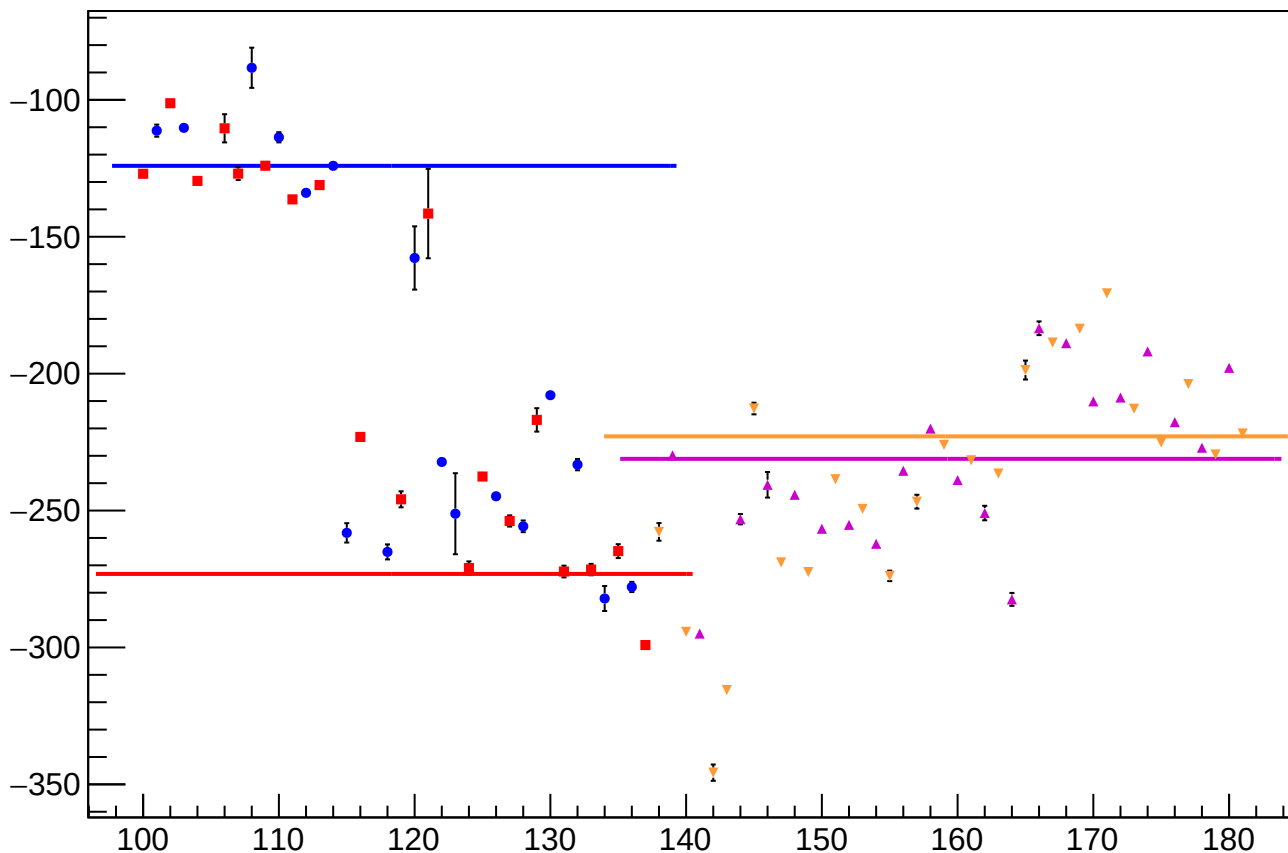
Right: -4.139 ± 0.000 χ^2/NDF : 177029.3/35

In: -4.139 ± 0.000 χ^2/NDF : 66709.8/37

Out: 53.905 ± 0.146 χ^2/NDF : 60145.7/41

All: -4.139 ± 0.000 χ^2/NDF : 285959.3/79

dit_sam4_4eX_slope vs Slug, Sign Corrected



Right In: -124.095 ± 0.000 $\chi^2/\text{NDF}: 38152.5/16$

Left Out: -222.895 ± 0.277 $\chi^2/\text{NDF}: 15467.5/22$

Right Out: -273.143 ± 0.113 $\chi^2/\text{NDF}: 280141.9/18$

Left In: -231.113 ± 0.251 $\chi^2/\text{NDF}: 11815.9/20$

Left: -227.395 ± 0.186 $\chi^2/\text{NDF}: 27766.6/43$

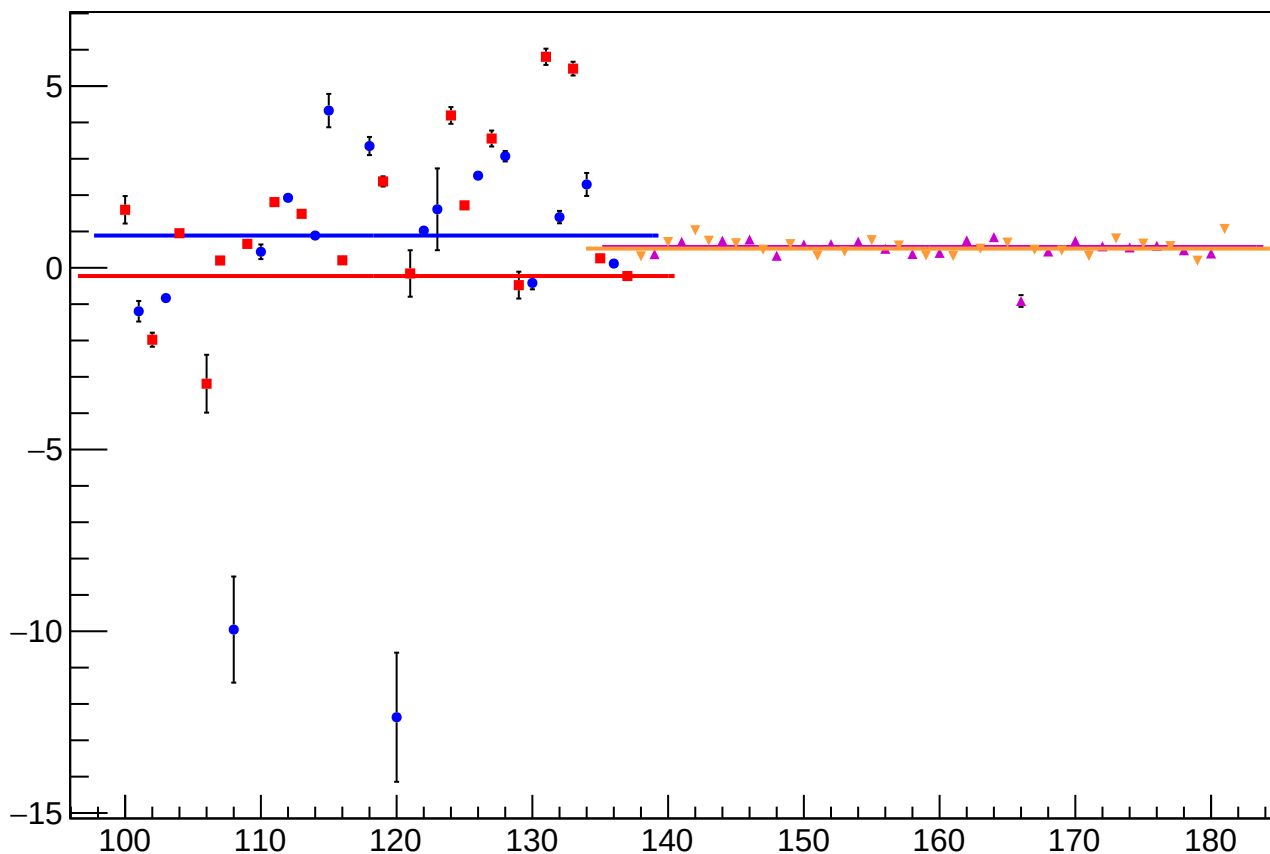
Right: -124.095 ± 0.000 $\chi^2/\text{NDF}: 2066776.4/35$

In: -124.095 ± 0.000 $\chi^2/\text{NDF}: 231055.9/37$

Out: -265.988 ± 0.104 $\chi^2/\text{NDF}: 323907.1/41$

All: -124.095 ± 0.000 $\chi^2/\text{NDF}: 2402719.6/79$

dit_sam4_11X12X_slope vs Slug, Sign Corrected



Right In: 0.888 ± 0.000 χ^2/NDF : 8672.0/16

Left Out: 0.528 ± 0.002 χ^2/NDF : 9076.7/22

Right Out: -0.226 ± 0.000 χ^2/NDF : 5031.1/18

Left In: 0.574 ± 0.002 χ^2/NDF : 5089.3/20

Left: 0.552 ± 0.001 χ^2/NDF : 14416.2/43

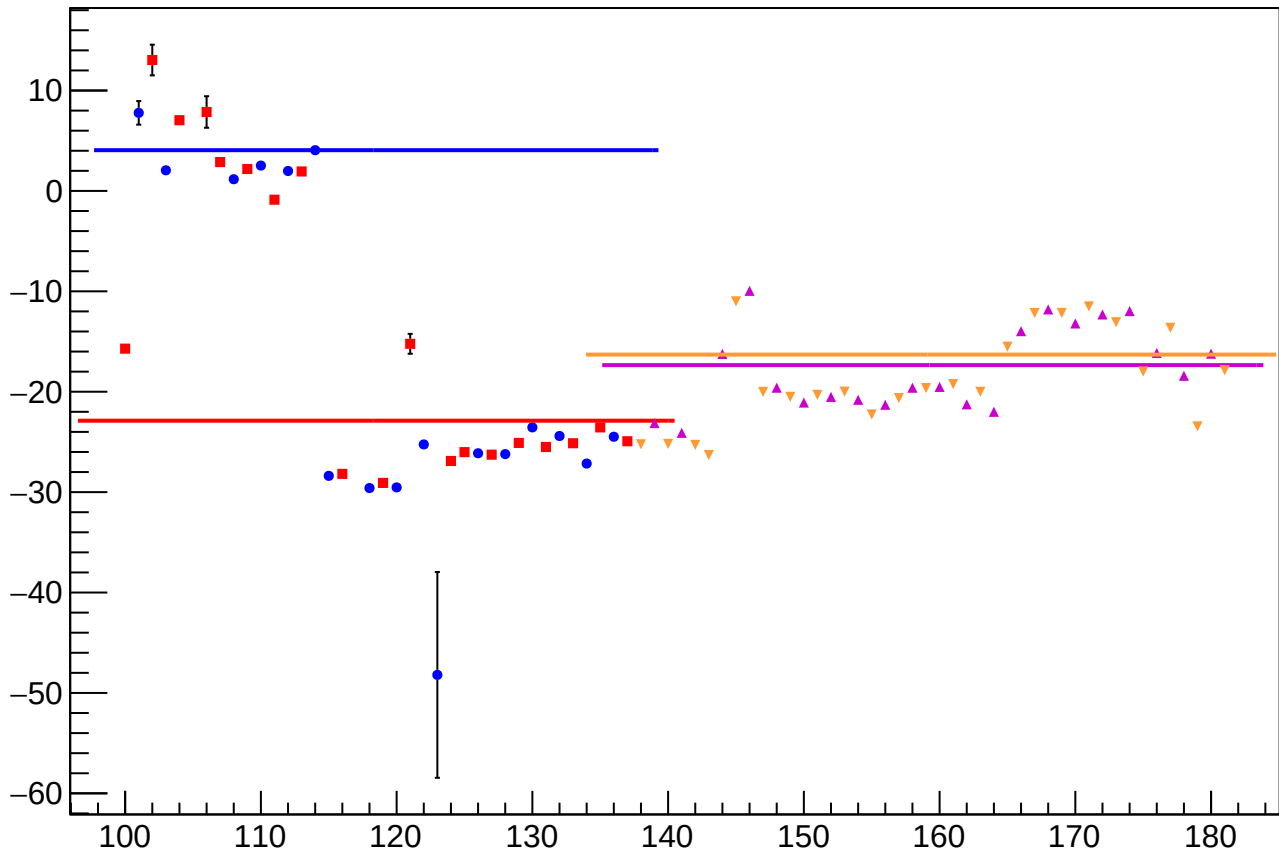
Right: 0.888 ± 0.000 χ^2/NDF : 422220530.0/35

In: 0.888 ± 0.000 χ^2/NDF : 38418.1/37

Out: -0.225 ± 0.000 χ^2/NDF : 147965.6/41

All: 0.888 ± 0.000 χ^2/NDF : 422289758.4/79

dit_sam4_4aY_slope vs Slug, Sign Corrected



Right In: 4.057 ± 0.000 χ^2/NDF : 1247888.2/16

Left Out: -16.302 ± 0.010 χ^2/NDF : 185917.5/22

Right Out: -22.885 ± 0.026 χ^2/NDF : 116508.9/18

Left In: -17.349 ± 0.009 χ^2/NDF : 168062.7/20

Left: -16.863 ± 0.007 χ^2/NDF : 359749.4/43

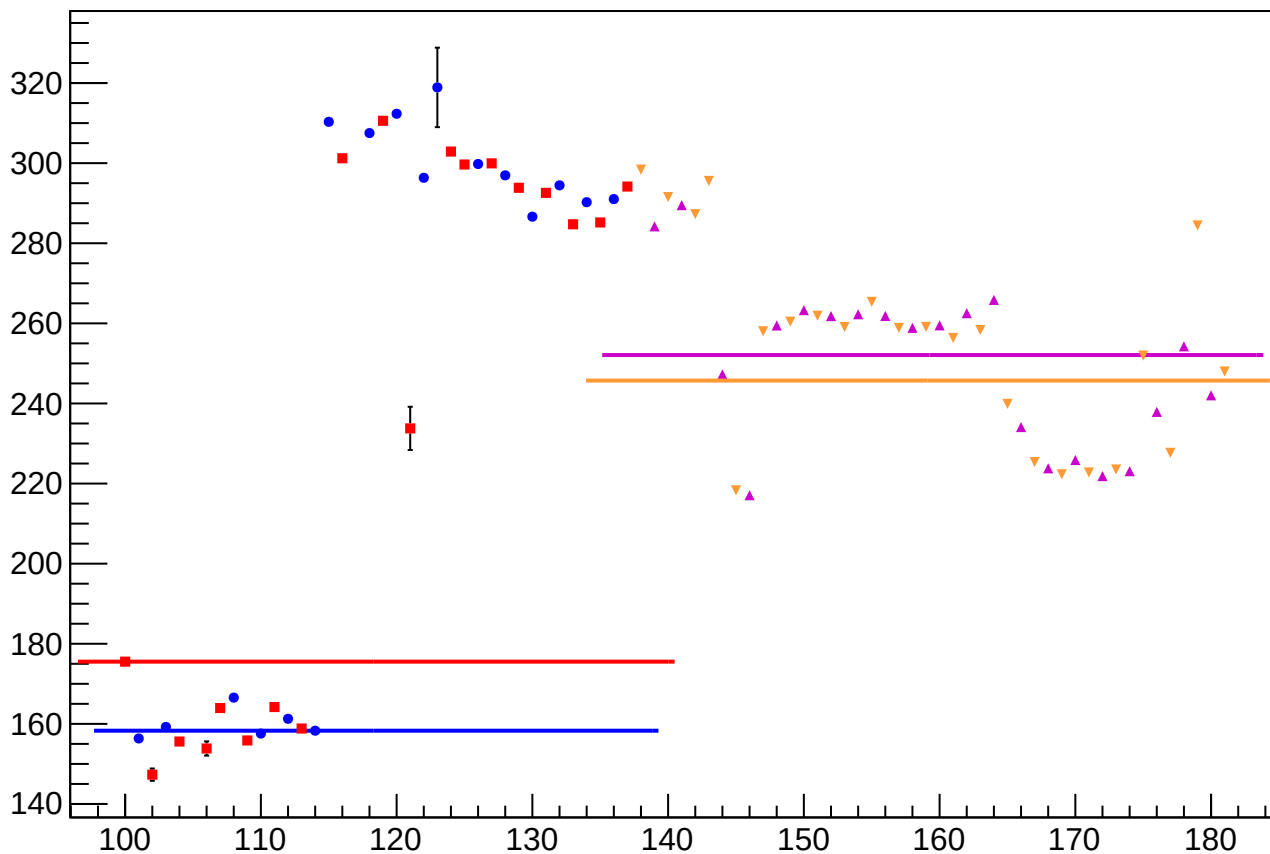
Right: 4.057 ± 0.000 χ^2/NDF : 2412173.4/35

In: 4.057 ± 0.000 χ^2/NDF : 6608445.8/37

Out: -17.146 ± 0.009 χ^2/NDF : 356962.8/41

All: 4.057 ± 0.000 χ^2/NDF : 12026512.0/79

dit_sam4_4eY_slope vs Slug, Sign Corrected



Right In: 158.293 $\pm$ 0.000 χ^2 /NDF: 2410913.3/16

Left Out: 245.717 $\pm$ 0.028 χ^2 /NDF: 712055.8/22

Right Out: 175.536 $\pm$ 0.000 χ^2 /NDF: 2100196.2/18

Left In: 252.089 $\pm$ 0.028 χ^2 /NDF: 357653.7/20

Left: 248.810 $\pm$ 0.020 χ^2 /NDF: 1095636.2/43

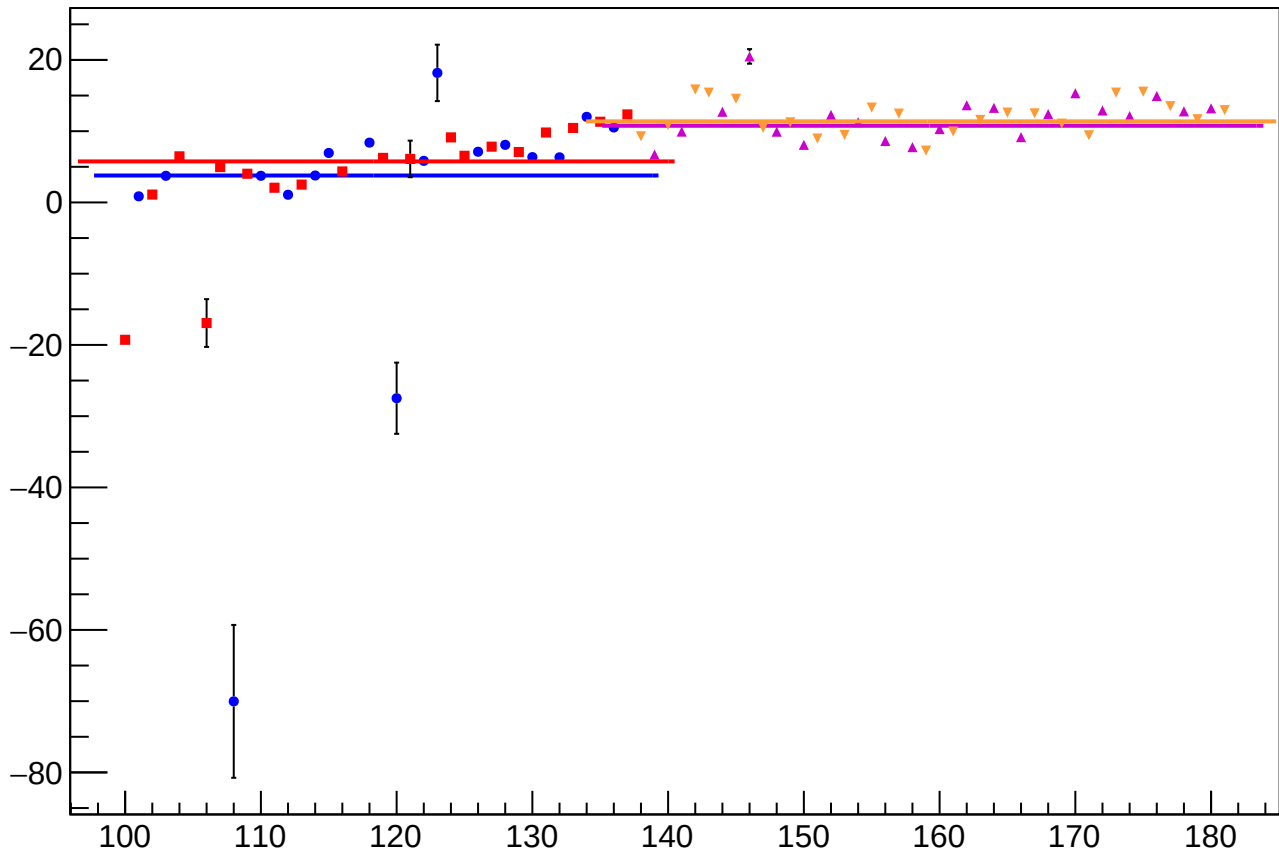
Right: 172.618 $\pm$ 0.000 χ^2 /NDF: 373727491225928

In: 158.293 $\pm$ 0.000 χ^2 /NDF: 13686778.6/37

Out: 175.536 $\pm$ 0.000 χ^2 /NDF: 9293500.7/41

All: 172.618 $\pm$ 0.000 χ^2 /NDF: 373727491225

dit_sam5_4aX_slope vs Slug, Sign Corrected



Right In: 3.778 $\pm$ 0.000 χ^2 /NDF: 6871.4/16

Left Out: 11.379 $\pm$ 0.030 χ^2 /NDF:4288.2/22

Right Out: 5.756 $\pm$ 0.026 χ^2 /NDF: 22291.6/18

Left In: 10.762 $\pm$ 0.028 χ^2 /NDF:9589.8/20

Left: 11.046 $\pm$ 0.021 χ^2 /NDF: 14100.4/43

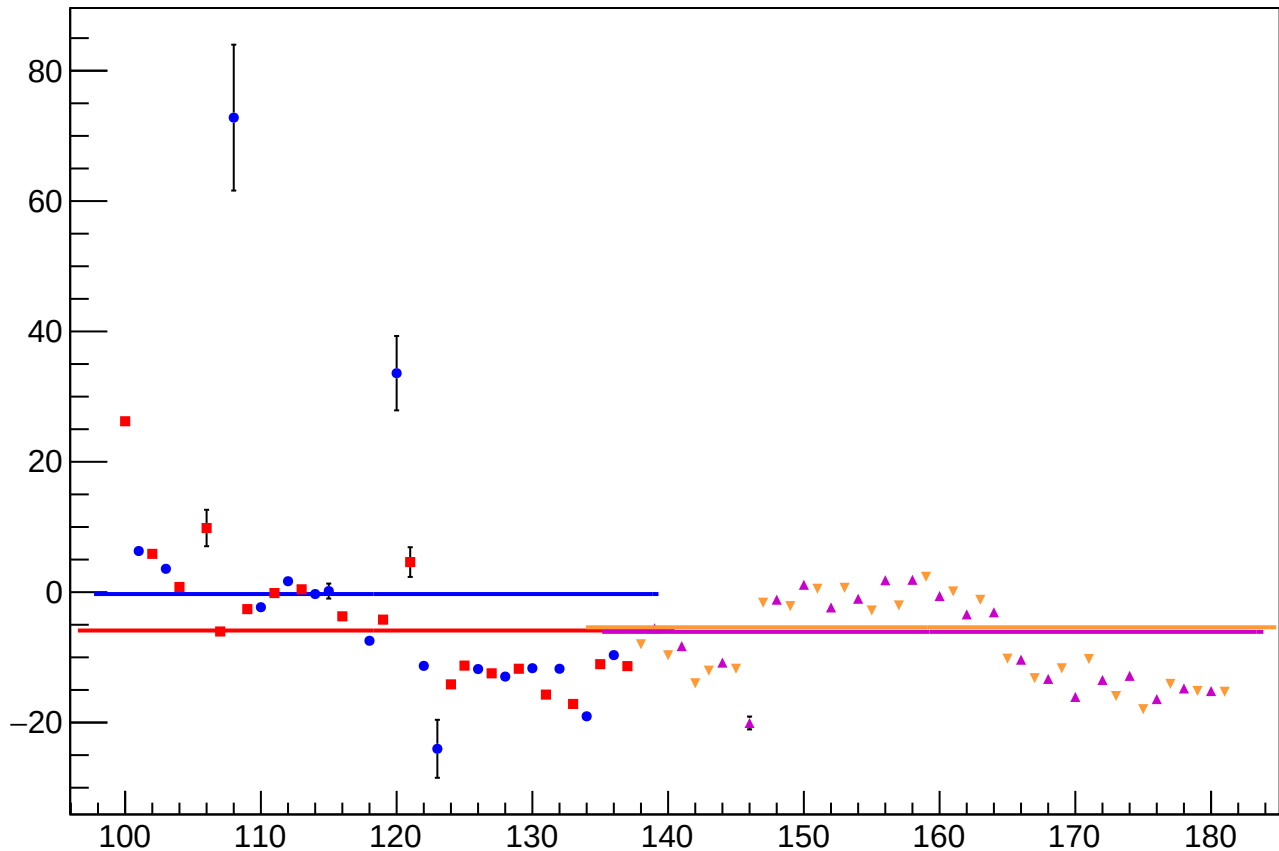
Right: 3.778 $\pm$ 0.000 χ^2 /NDF: 35056.1/35

In: 3.778 $\pm$ 0.000 χ^2 /NDF:78572.3/37

Out: 8.109 $\pm$ 0.020 χ^2 /NDF:46522.2/41

All: 3.778 $\pm$ 0.000 χ^2 /NDF: 173704.3/79

dit_sam5_4eX_slope vs Slug, Sign Corrected



Right In: -0.287 ± 0.000 χ^2/NDF : 44276.5/16

Left Out: -5.387 ± 0.030 χ^2/NDF : 41984.3/22

Right Out: -5.882 ± 0.027 χ^2/NDF : 63493.9/18

Left In: -6.090 ± 0.029 χ^2/NDF : 55752.8/20

Left: -5.761 ± 0.021 χ^2/NDF : 98022.7/43

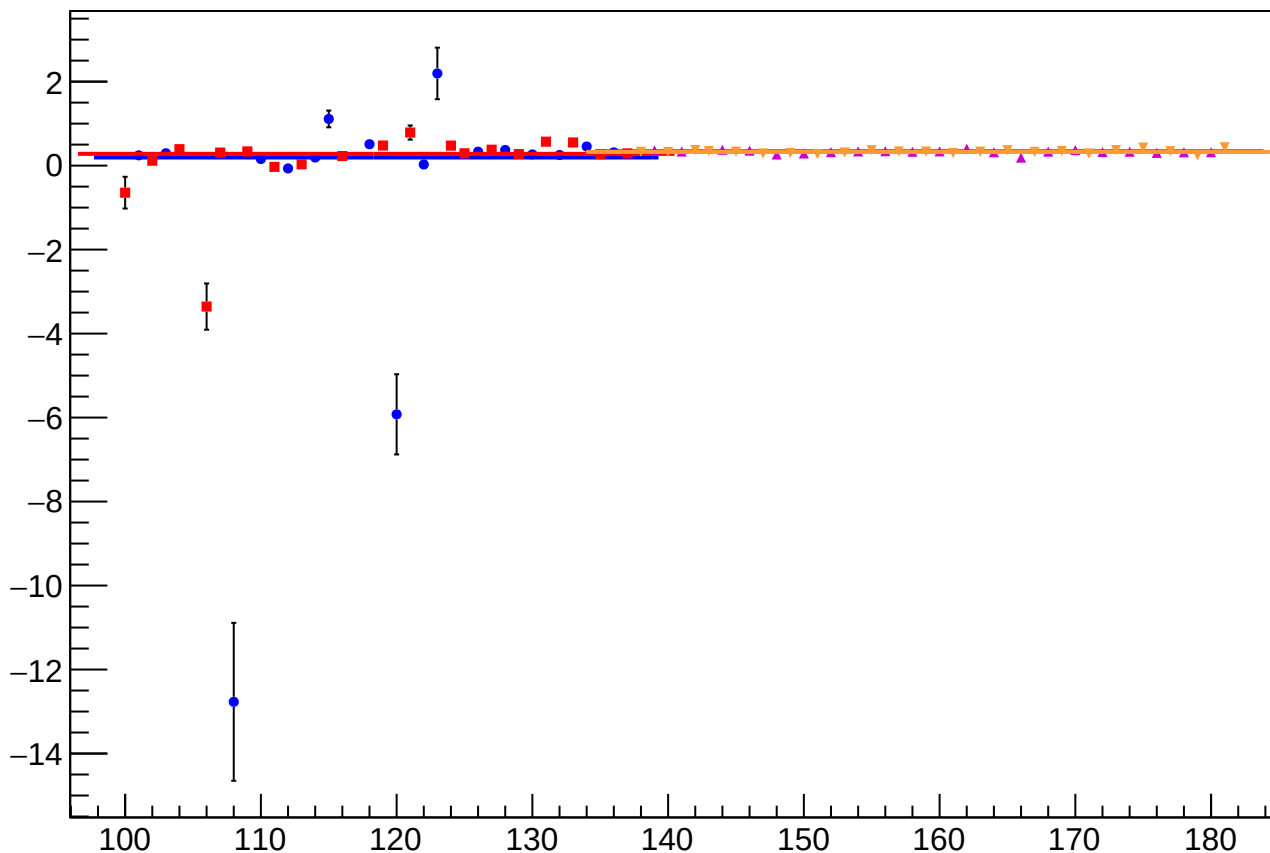
Right: -0.287 ± 0.000 χ^2/NDF : 150060.6/35

In: -0.287 ± 0.000 χ^2/NDF : 141468.6/37

Out: -5.661 ± 0.020 χ^2/NDF : 105625.8/41

All: -0.287 ± 0.000 χ^2/NDF : 317438.9/79

dit_sam5_11X12X_slope vs Slug, Sign Corrected



Right In: 0.193+/-0.000 χ^2/NDF : 10027.5/16

Left Out: 0.326+/-0.001 χ^2/NDF : 2783.6/22

Right Out: 0.280+/-0.001 χ^2/NDF : 6059.0/18

Left In: 0.342+/-0.001 χ^2/NDF : 3596.1/20

Left: 0.334+/-0.000 χ^2/NDF : 6804.8/43

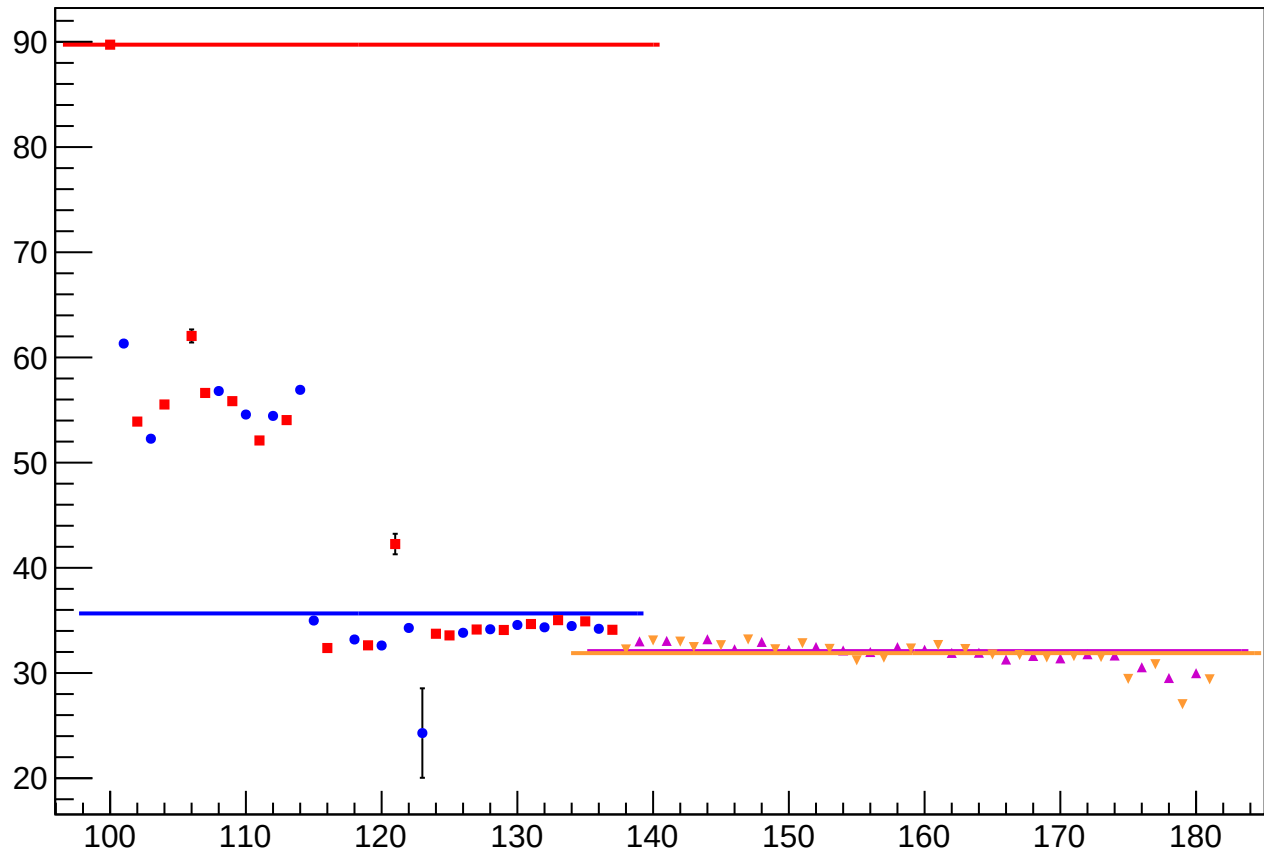
Right: 0.193+/-0.000 χ^2/NDF : 19578.7/35

In: 0.193+/-0.000 χ^2/NDF : 90524.7/37

Out: 0.320+/-0.001 χ^2/NDF : 9661.7/41

All: 0.193+/-0.000 χ^2/NDF : 159598.5/79

dit_sam5_4aY_slope vs Slug, Sign Corrected



Right In: 35.664 ± 0.011 χ^2/NDF : 218662.5/16

Left Out: 31.891 ± 0.003 χ^2/NDF : 58641.4/22

Right Out: 89.735 ± 0.000 χ^2/NDF : 25801560.6/18

Left In: 32.084 ± 0.003 χ^2/NDF : 21633.9/20

Left: 31.980 ± 0.002 χ^2/NDF : 81973.1/43

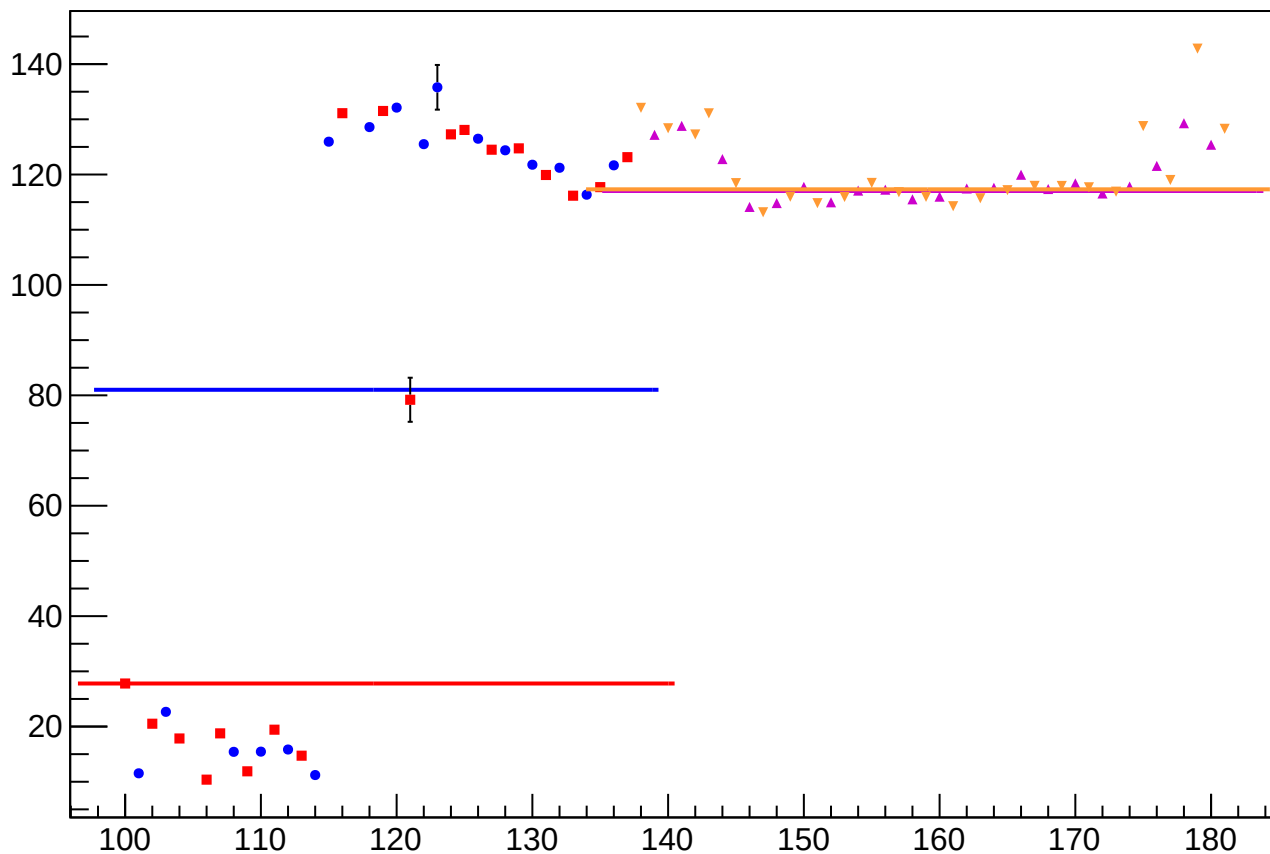
Right: 89.735 ± 0.000 χ^2/NDF : 48650023.7/35

In: 32.382 ± 0.003 χ^2/NDF : 331253.9/37

Out: 89.735 ± 0.000 χ^2/NDF : 358211422.6/41

All: 89.735 ± 0.000 χ^2/NDF : 663986885.4/79

dit_sam5_4eY_slope vs Slug, Sign Corrected



Right In: 81.005 $\pm$ 0.035 χ^2/NDF : 2228881.4/16

Left Out: 117.319 $\pm$ 0.008 χ^2/NDF : 170608.1/22

Right Out: 27.798 $\pm$ 0.000 χ^2/NDF : 9183707.8/18

Left In: 117.017 $\pm$ 0.009 χ^2/NDF : 51316.7/20

Left: 117.185 $\pm$ 0.006 χ^2/NDF : 222576.0/43

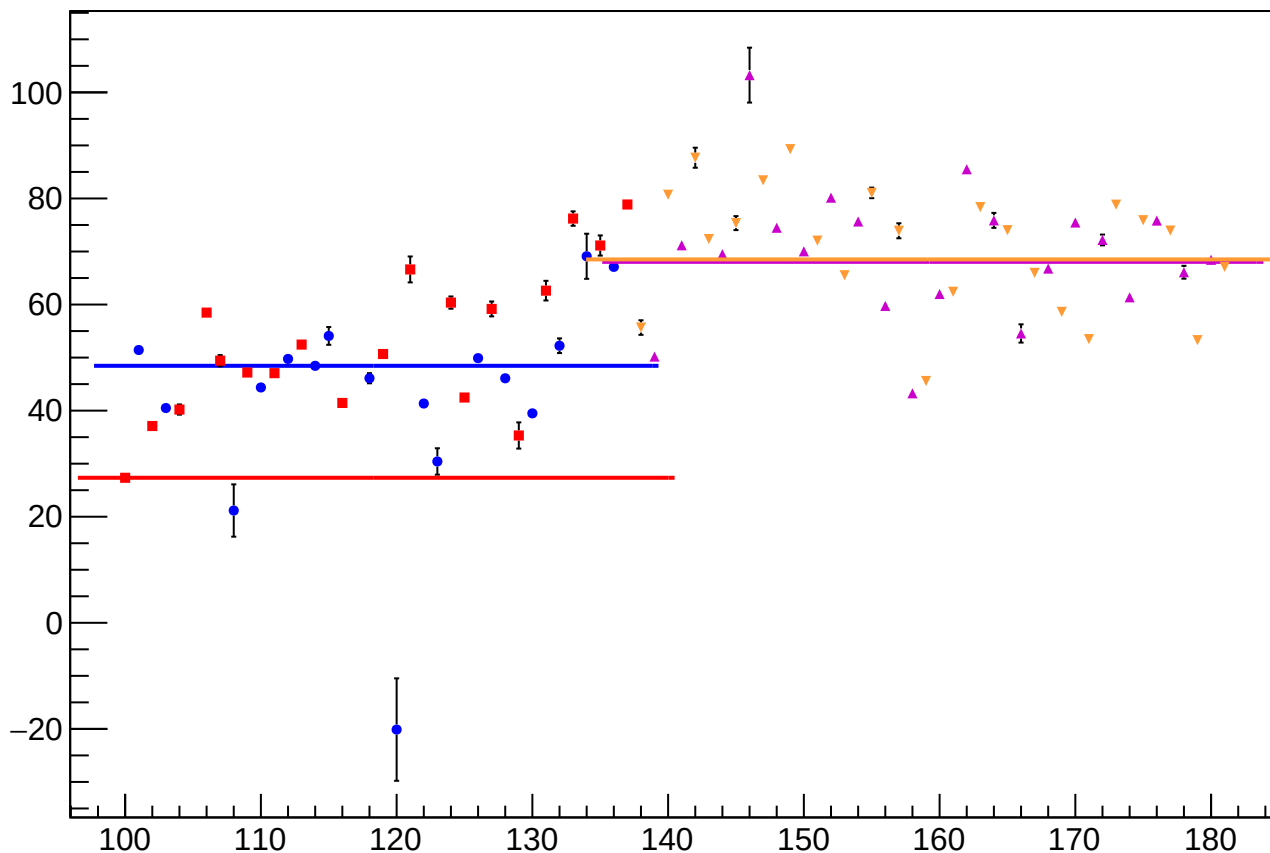
Right: 27.798 $\pm$ 0.000 χ^2/NDF : 13786729.0/35

In: 114.812 $\pm$ 0.009 χ^2/NDF : 3301153.2/37

Out: 27.798 $\pm$ 0.000 χ^2/NDF : 138288394.5/41

All: 27.798 $\pm$ 0.000 χ^2/NDF : 245258430.4/79

dit_sam6_4aX_slope vs Slug, Sign Corrected



Right In: 48.450+/-0.000 χ^2/NDF : 2751.4/16

Left Out: 68.508+/-0.138 χ^2/NDF : 6505.8/22

Right Out: 27.342+/-0.000 χ^2/NDF : 25810.4/18

Left In: 68.050+/-0.129 χ^2/NDF : 5286.5/20

Left: 68.265+/-0.094 χ^2/NDF : 11798.2/43

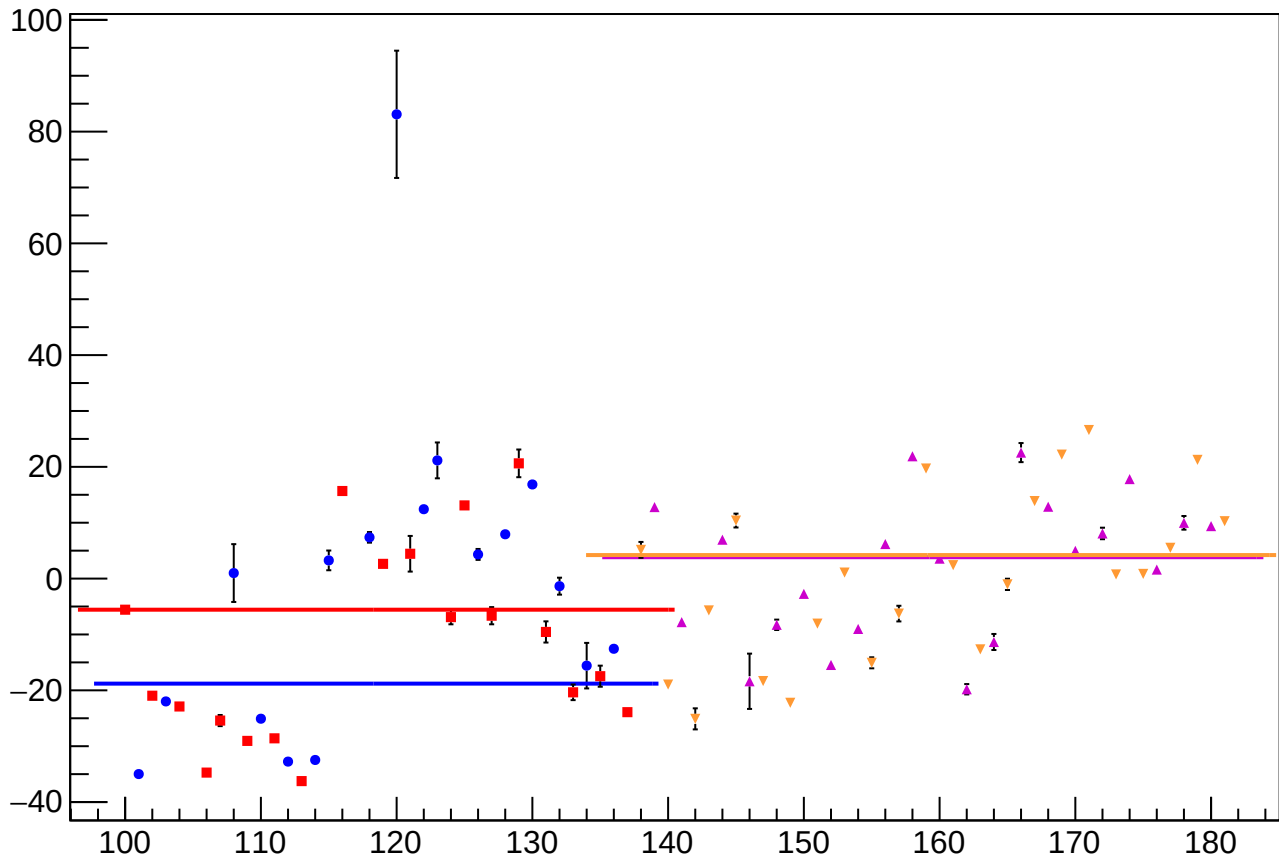
Right: 28.365+/-0.000 χ^2/NDF : 1026290104888328

In: 48.450+/-0.000 χ^2/NDF : 30951.6/37

Out: 27.342+/-0.000 χ^2/NDF : 121625.6/41

All: 28.365+/-0.000 χ^2/NDF : 1026290104888

dit_sam6_4eX_slope vs Slug, Sign Corrected



Right In: -18.800 ± 0.148 $\chi^2/\text{NDF}: 11764.7/16$

Left Out: 4.210 ± 0.138 $\chi^2/\text{NDF}: 10042.5/22$

Right Out: -5.568 ± 0.000 $\chi^2/\text{NDF}: 23097.3/18$

Left In: 3.826 ± 0.130 $\chi^2/\text{NDF}: 5892.7/20$

Left: 4.007 ± 0.095 $\chi^2/\text{NDF}: 15939.3/43$

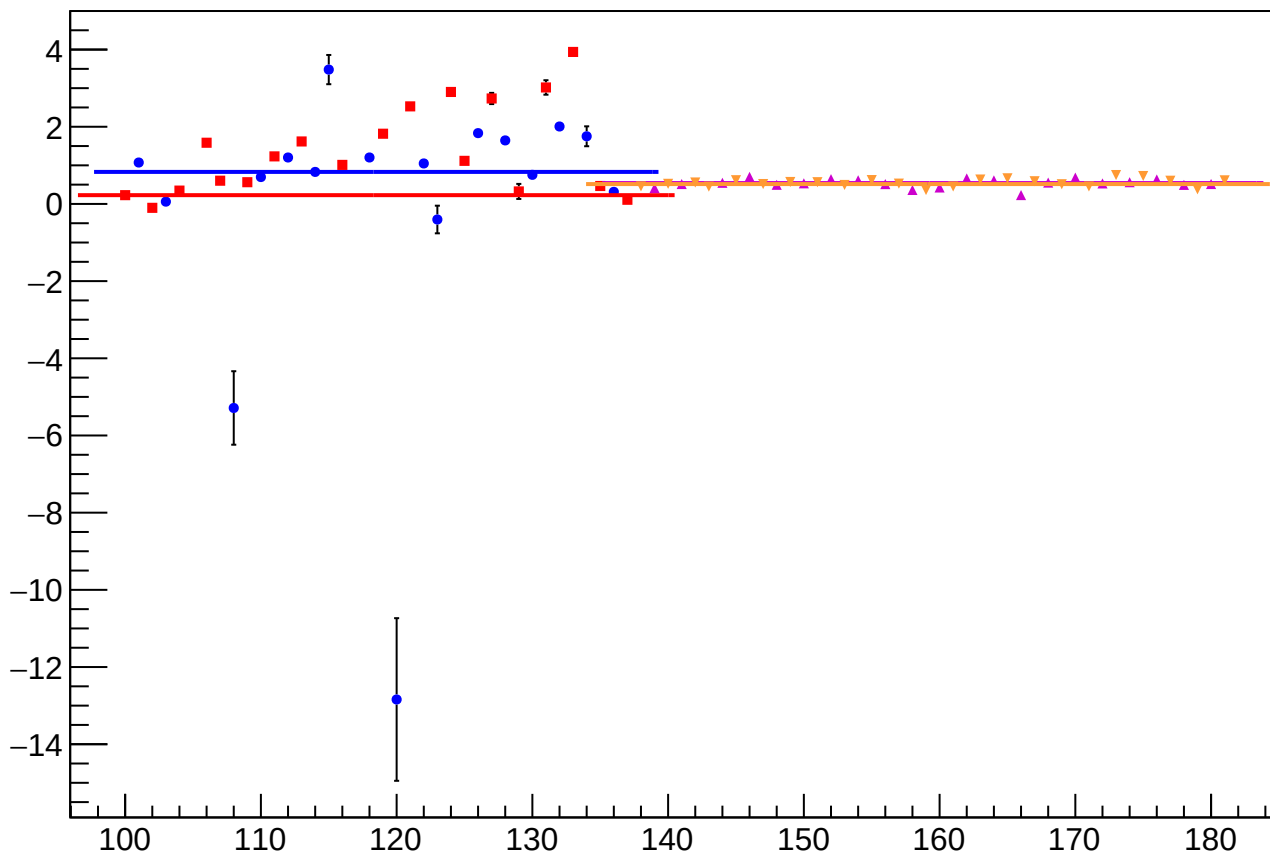
Right: -5.568 ± 0.000 $\chi^2/\text{NDF}: 42808.5/35$

In: -6.004 ± 0.098 $\chi^2/\text{NDF}: 30797.2/37$

Out: -5.568 ± 0.000 $\chi^2/\text{NDF}: 38171.2/41$

All: -5.568 ± 0.000 $\chi^2/\text{NDF}: 68988.3/79$

dit_sam6_11X12X_slope vs Slug, Sign Corrected



Right In: 0.830 ± 0.000 $\chi^2/\text{NDF}: 14882.7/16$

Left Out: 0.515 ± 0.001 $\chi^2/\text{NDF}: 15180.3/22$

Right Out: 0.227 ± 0.000 $\chi^2/\text{NDF}: 11819.9/18$

Left In: 0.541 ± 0.001 $\chi^2/\text{NDF}: 11156.1/20$

Left: 0.529 ± 0.001 $\chi^2/\text{NDF}: 26730.6/43$

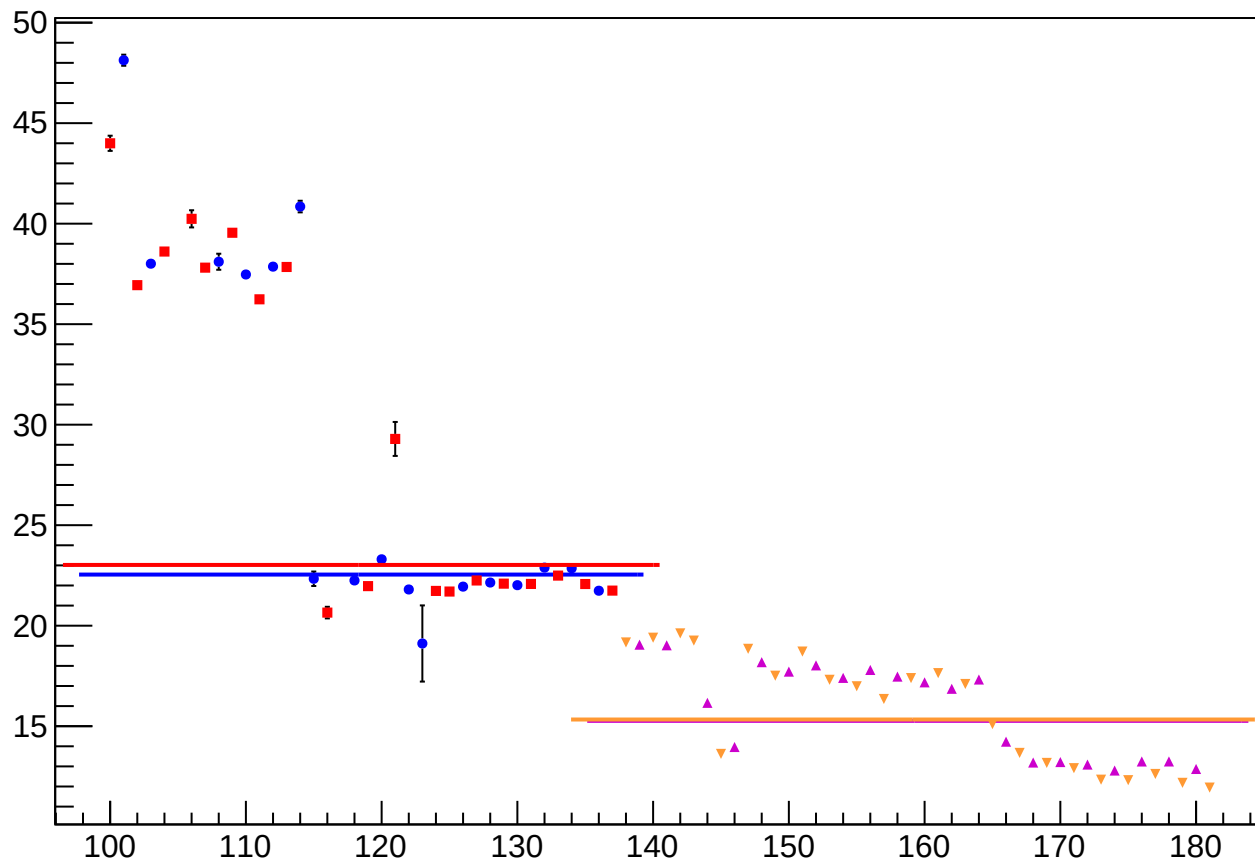
Right: 0.289 ± 0.000 $\chi^2/\text{NDF}: 29066082561457147$

In: 0.830 ± 0.000 $\chi^2/\text{NDF}: 125887.3/37$

Out: 0.227 ± 0.000 $\chi^2/\text{NDF}: 111023.5/41$

All: 0.289 ± 0.000 $\chi^2/\text{NDF}: 29066082561457$

dit_sam6_4aY_slope vs Slug, Sign Corrected



Right In: 22.543 ± 0.009 $\chi^2/\text{NDF}: 105452.8/16$

Left Out: 15.333 ± 0.004 $\chi^2/\text{NDF}: 397746.5/22$

Right Out: 23.023 ± 0.009 $\chi^2/\text{NDF}: 165838.0/18$

Left In: 15.265 ± 0.005 $\chi^2/\text{NDF}: 255703.0/20$

Left: 15.302 ± 0.003 $\chi^2/\text{NDF}: 653557.3/43$

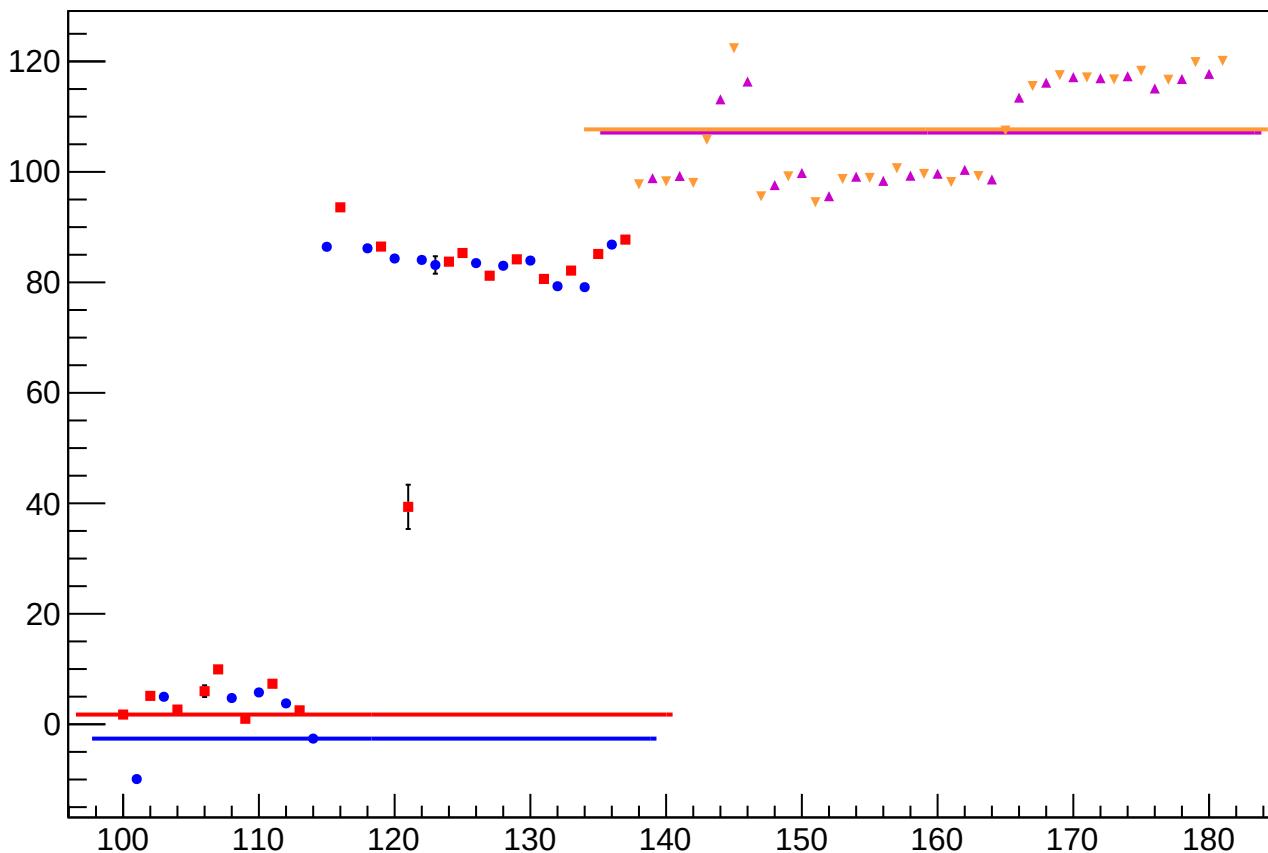
Right: 22.790 ± 0.006 $\chi^2/\text{NDF}: 272655.1/35$

In: 16.790 ± 0.004 $\chi^2/\text{NDF}: 844209.1/37$

Out: 16.795 ± 0.004 $\chi^2/\text{NDF}: 1148834.8/41$

All: 16.793 ± 0.003 $\chi^2/\text{NDF}: 1993044.7/79$

dit_sam6_4eY_slope vs Slug, Sign Corrected



Right In: -2.596 ± 0.000 χ^2/NDF : 7395182.7/16

Left Out: 107.697 ± 0.010 χ^2/NDF : 1027489.5/22

Right Out: 1.758 ± 0.000 χ^2/NDF : 4230949.4/18

Left In: 107.115 ± 0.009 χ^2/NDF : 932726.2/20

Left: 107.405 ± 0.007 χ^2/NDF : 1962086.0/43

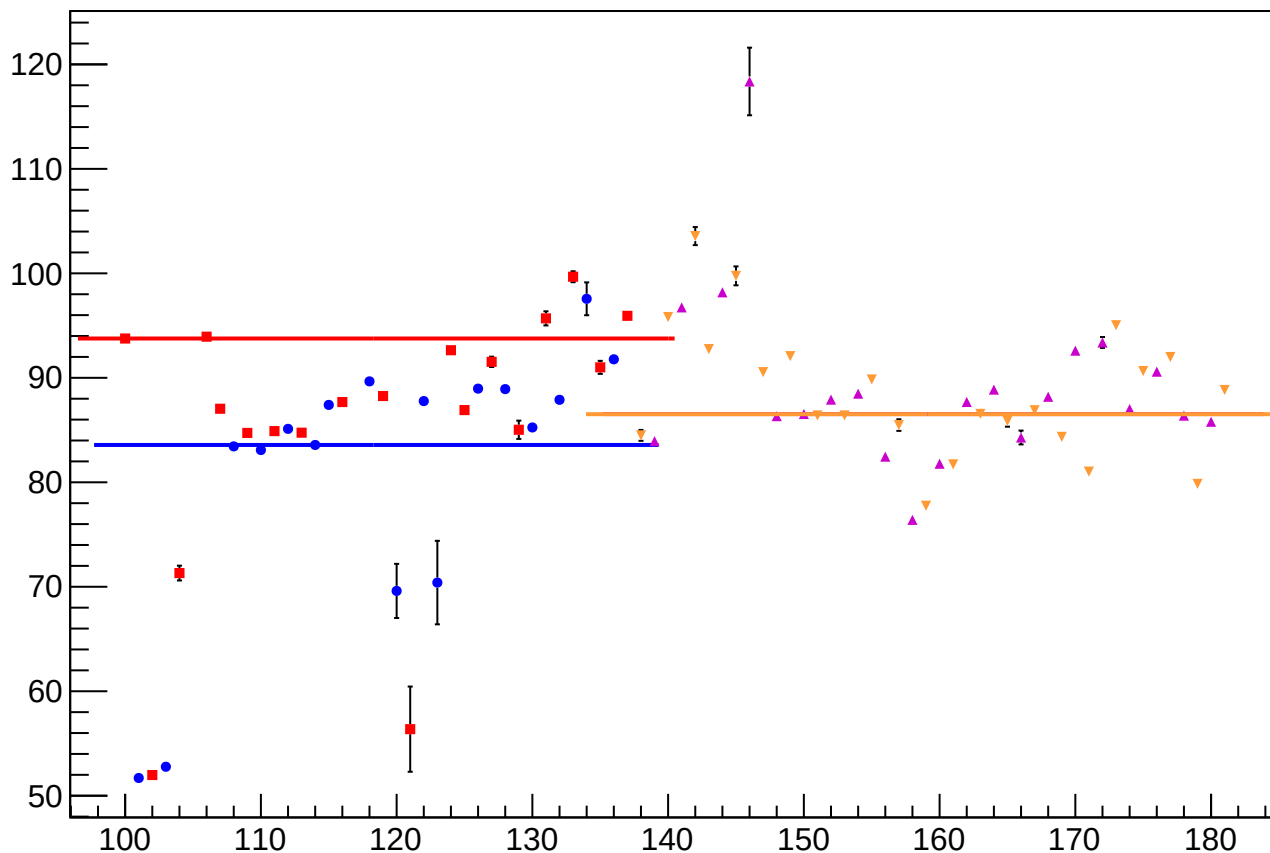
Right: -1.059 ± 0.000 χ^2/NDF : 3731791751577379

In: -2.596 ± 0.000 χ^2/NDF : 141802004.8/37

Out: 1.758 ± 0.000 χ^2/NDF : 128650404.3/41

All: -1.059 ± 0.000 χ^2/NDF : 3731791751577

dit_sam7_4aX_slope vs Slug, Sign Corrected



Right In: 83.573+/-0.000 χ^2/NDF : 49468.0/16

Left Out: 86.519+/-0.061 χ^2/NDF : 8477.9/22

Right Out: 93.762+/-0.000 χ^2/NDF : 82848.8/18

Left In: 86.531+/-0.053 χ^2/NDF : 7636.9/20

Left: 86.526+/-0.040 χ^2/NDF : 16114.9/43

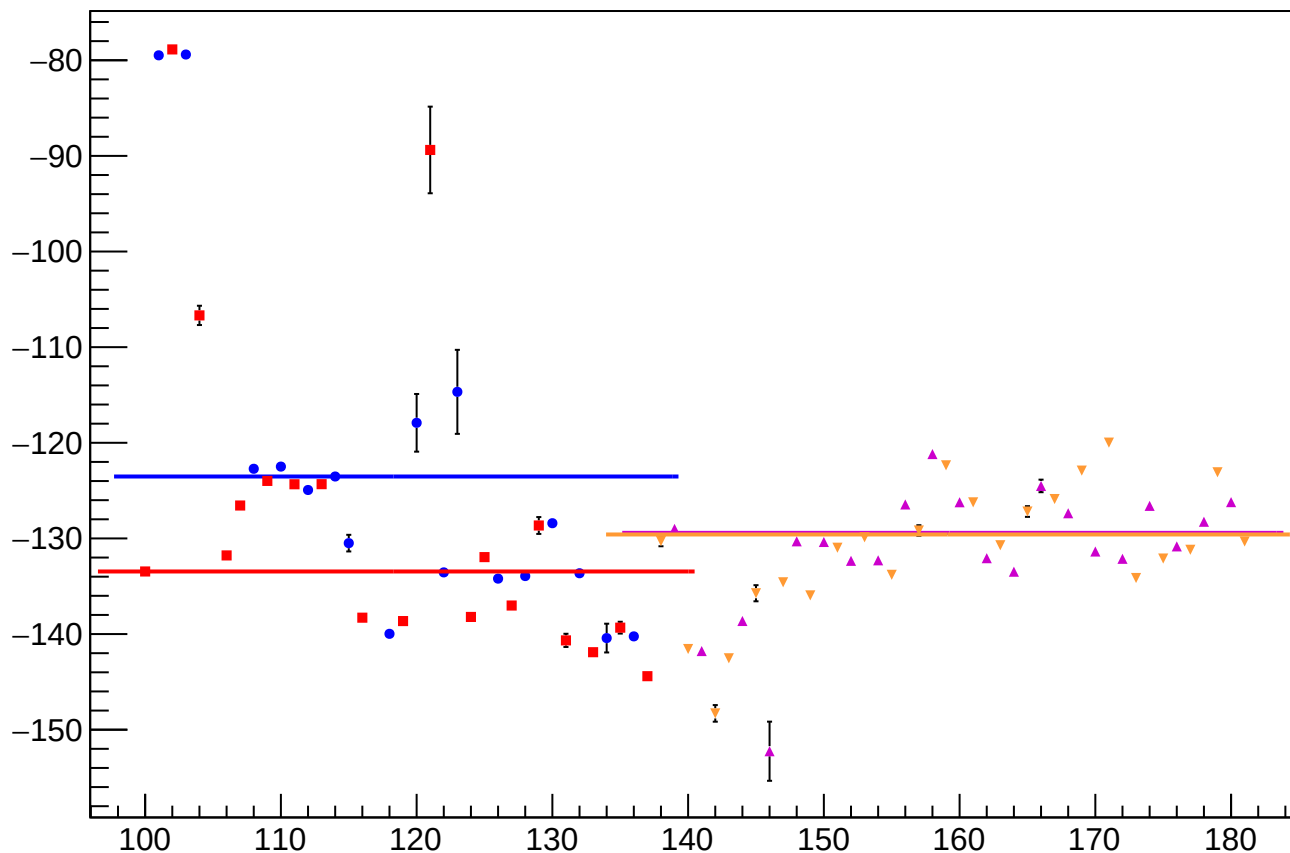
Right: 87.169+/-0.000 χ^2/NDF : 1995684404141260

In: 83.573+/-0.000 χ^2/NDF : 60162.3/37

Out: 93.762+/-0.000 χ^2/NDF : 105221.8/41

All: 87.169+/-0.000 χ^2/NDF : 1995684404141

dit_sam7_4eX_slope vs Slug, Sign Corrected



Right In: -123.524+/-0.000 χ^2/NDF : 160356.5/16

Left Out: -129.586+/-0.061 χ^2/NDF :10711.5/22

Right Out: -133.456+/-0.000 χ^2/NDF : 394896.3/18

Left In: -129.417+/-0.053 χ^2/NDF :5861.6/20

Left: -129.491+/-0.040 χ^2/NDF : 16577.5/43

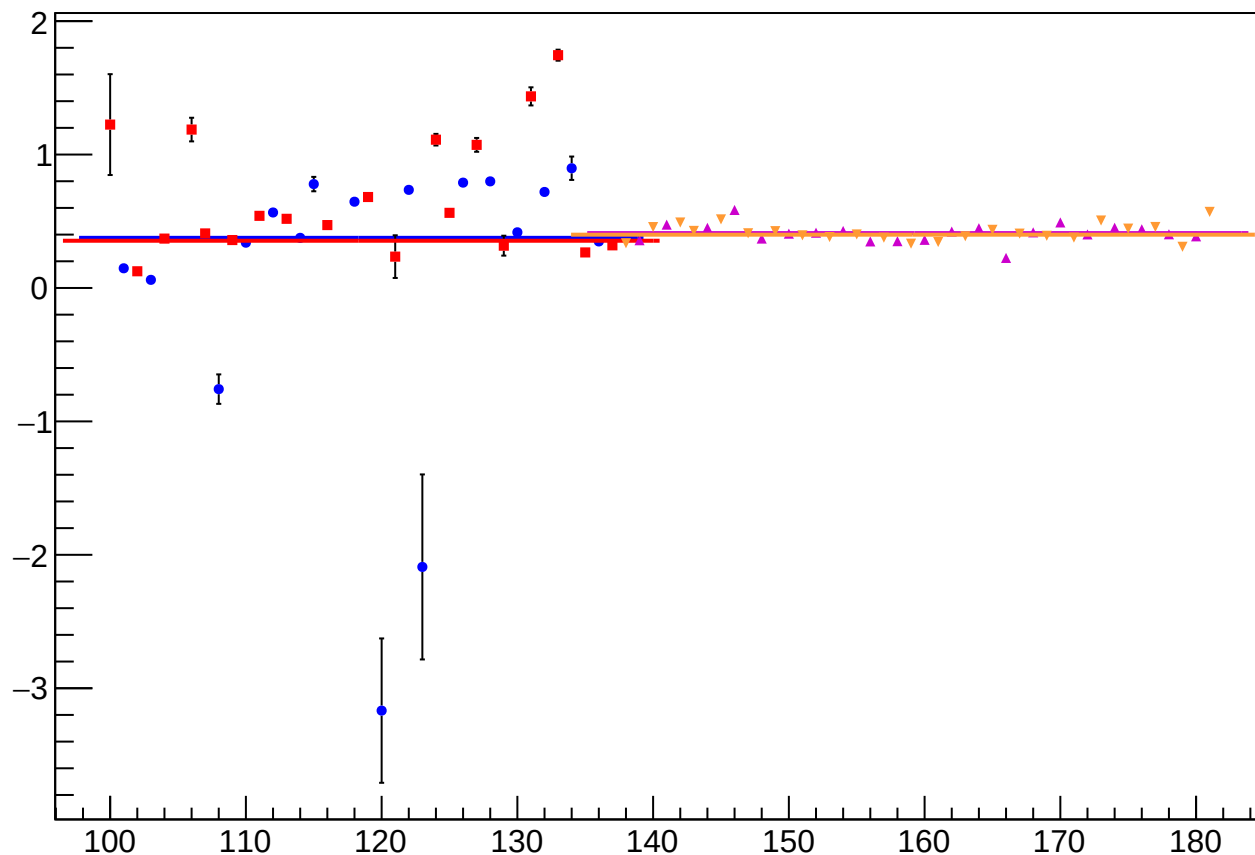
Right: -124.716+/-0.000 χ^2/NDF : 64467869901657

In: -123.524+/-0.000 χ^2/NDF :178497.0/37

Out: -133.456+/-0.000 χ^2/NDF :409668.2/41

All: -124.716+/-0.000 χ^2/NDF : 64467869901

dit_sam7_11X12X_slope vs Slug, Sign Corrected



Right In: 0.376 ± 0.000 χ^2/NDF : 3961.7/16

Left Out: 0.399 ± 0.001 χ^2/NDF : 8803.4/22

Right Out: 0.354 ± 0.002 χ^2/NDF : 4592.7/18

Left In: 0.411 ± 0.000 χ^2/NDF : 8213.5/20

Left: 0.406 ± 0.000 χ^2/NDF : 17314.7/43

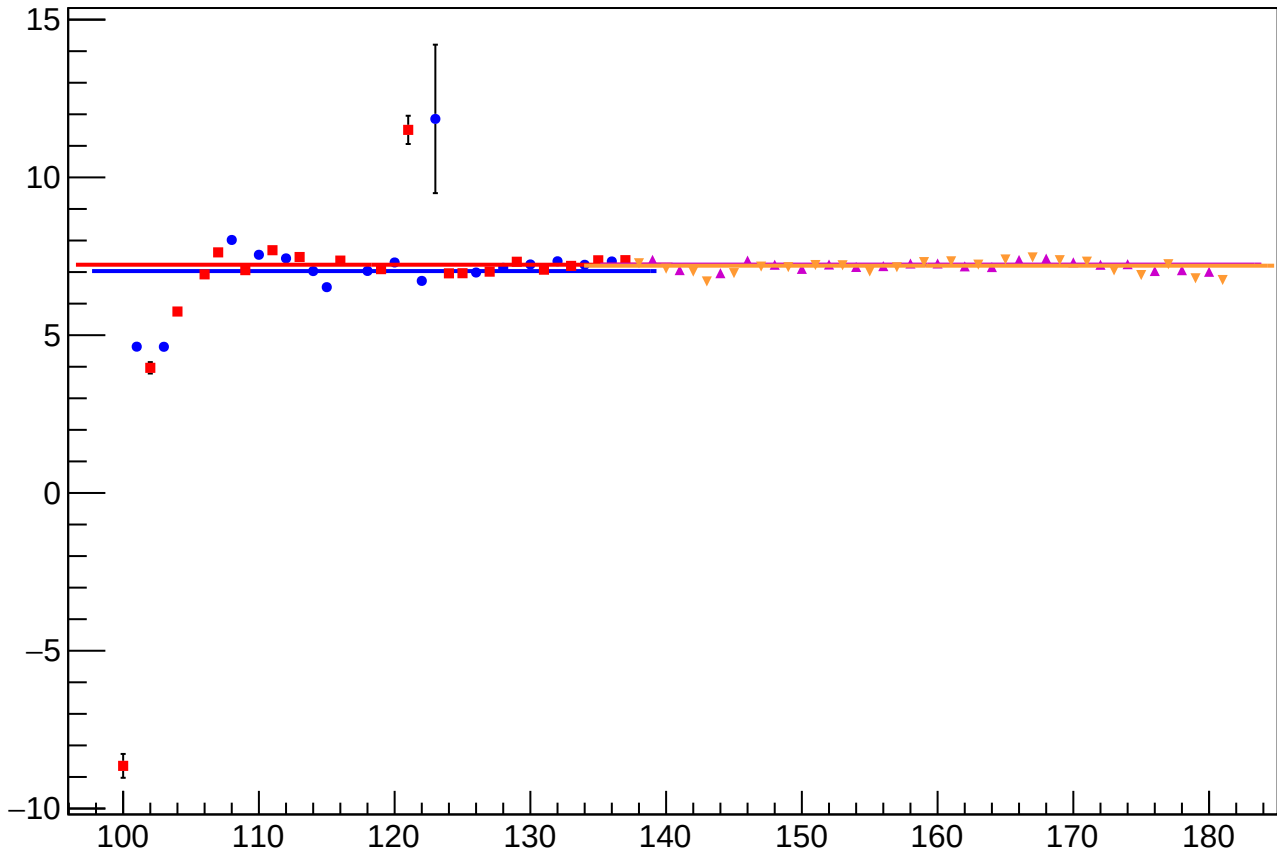
Right: 0.376 ± 0.000 χ^2/NDF : 8762.1/35

In: 0.376 ± 0.000 χ^2/NDF : 18222.8/37

Out: 0.395 ± 0.000 χ^2/NDF : 14207.8/41

All: 0.376 ± 0.000 χ^2/NDF : 33972.6/79

dit_sam7_4aY_slope vs Slug, Sign Corrected



Right In: 7.032 $\pm$ 0.000 χ^2 /NDF: 19770.1/16

Left Out: 7.202 $\pm$ 0.001 χ^2 /NDF: 36489.6/22

Right Out: 7.233 $\pm$ 0.002 χ^2 /NDF: 10061.8/18

Left In: 7.237 $\pm$ 0.001 χ^2 /NDF: 19992.8/20

Left: 7.221 $\pm$ 0.001 χ^2 /NDF: 57286.9/43

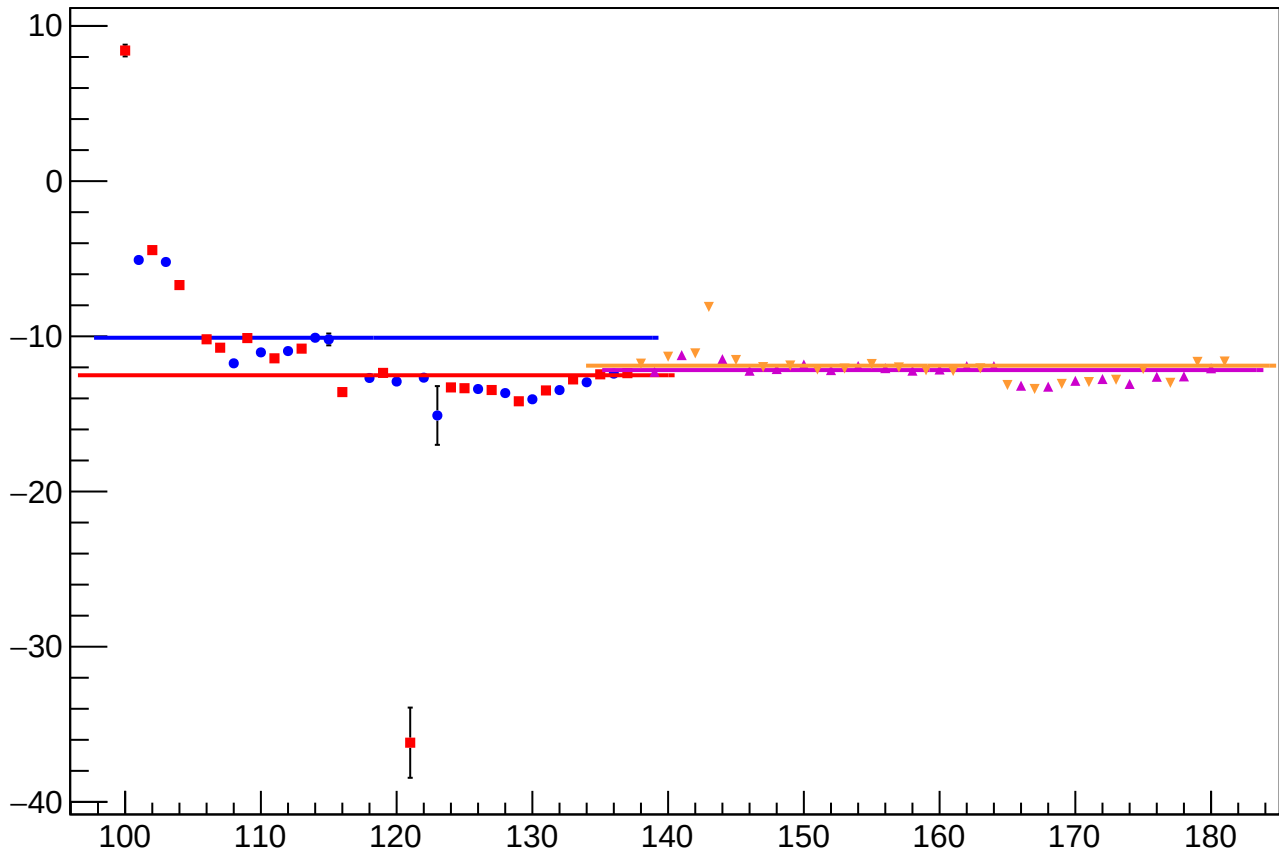
Right: 7.032 $\pm$ 0.000 χ^2 /NDF: 36990.7/35

In: 7.032 $\pm$ 0.000 χ^2 /NDF: 100479.0/37

Out: 7.206 $\pm$ 0.001 χ^2 /NDF: 46697.6/41

All: 7.032 $\pm$ 0.000 χ^2 /NDF: 189425.5/79

dit_sam7_4eY_slope vs Slug, Sign Corrected



Right In: -10.092 ± 0.000 χ^2/NDF : 543504.2/16

Left Out: -11.890 ± 0.002 χ^2/NDF : 497416.7/22

Right Out: -12.509 ± 0.004 χ^2/NDF : 103509.4/18

Left In: -12.175 ± 0.002 χ^2/NDF : 48418.2/20

Left: -12.032 ± 0.001 χ^2/NDF : 559690.4/43

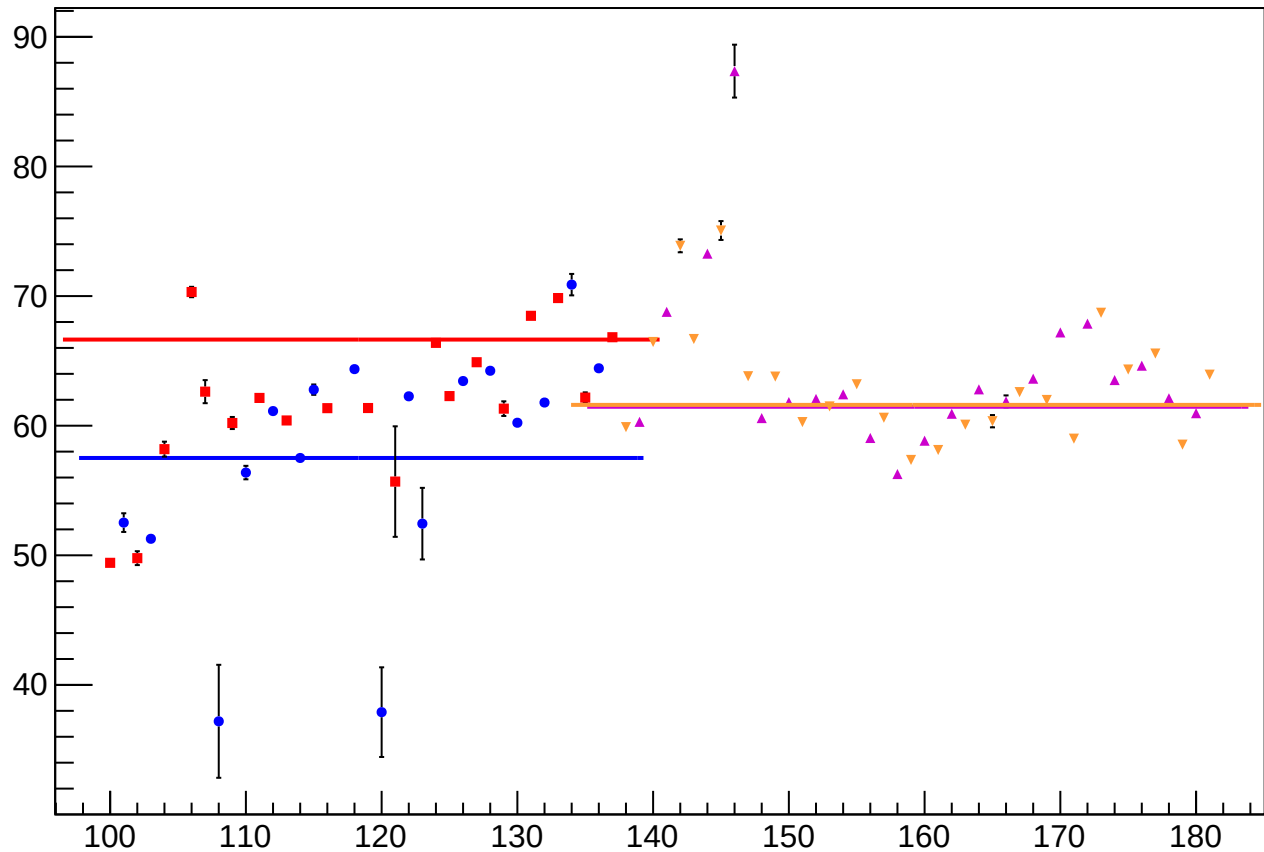
Right: -10.092 ± 0.000 χ^2/NDF : 1062248.5/35

In: -10.092 ± 0.000 χ^2/NDF : 2065973.6/37

Out: -11.997 ± 0.002 χ^2/NDF : 623449.3/41

All: -10.092 ± 0.000 χ^2/NDF : 4188226.3/79

dit_sam8_4aX_slope vs Slug, Sign Corrected



Right In: 57.510 $\pm$ 0.000 χ^2 /NDF: 8108.6/16

Left Out: 61.606 $\pm$ 0.039 χ^2 /NDF: 7730.0/22

Right Out: 66.645 $\pm$ 0.013 χ^2 /NDF: 8163.8/18

Left In: 61.461 $\pm$ 0.033 χ^2 /NDF: 8283.7/20

Left: 61.521 $\pm$ 0.025 χ^2 /NDF: 16021.6/43

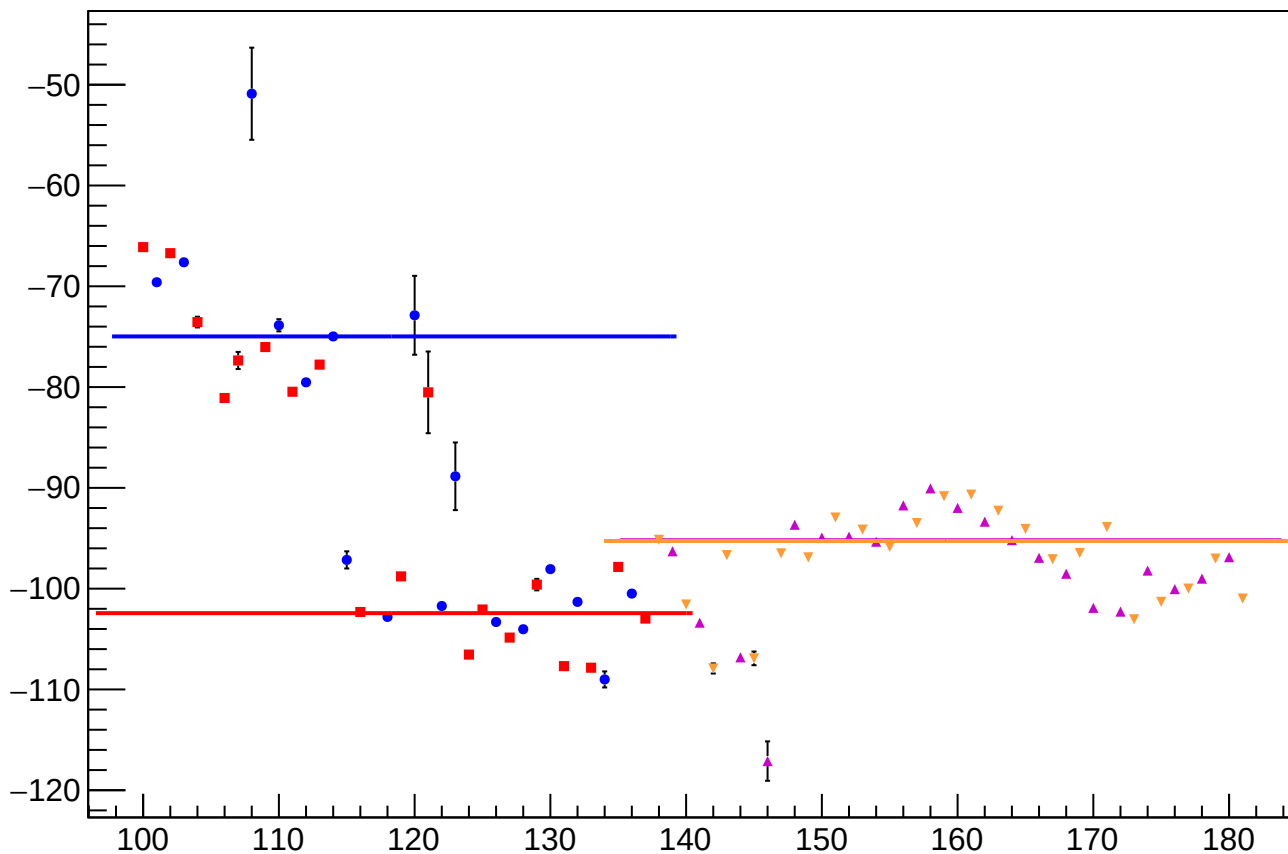
Right: 57.510 $\pm$ 0.000 χ^2 /NDF: 504438.3/35

In: 57.510 $\pm$ 0.000 χ^2 /NDF: 30483.5/37

Out: 66.145 $\pm$ 0.012 χ^2 /NDF: 30626.2/41

All: 57.510 $\pm$ 0.000 χ^2 /NDF: 545349.4/79

dit_sam8_4eX_slope vs Slug, Sign Corrected



Right In: -74.974 ± 0.000 $\chi^2/\text{NDF}: 130544.0/16$

Left Out: -95.273 ± 0.039 $\chi^2/\text{NDF}: 9263.6/22$

Right Out: -102.430 ± 0.018 $\chi^2/\text{NDF}: 50377.5/18$

Left In: -95.196 ± 0.034 $\chi^2/\text{NDF}: 10710.9/20$

Left: -95.229 ± 0.026 $\chi^2/\text{NDF}: 19976.7/43$

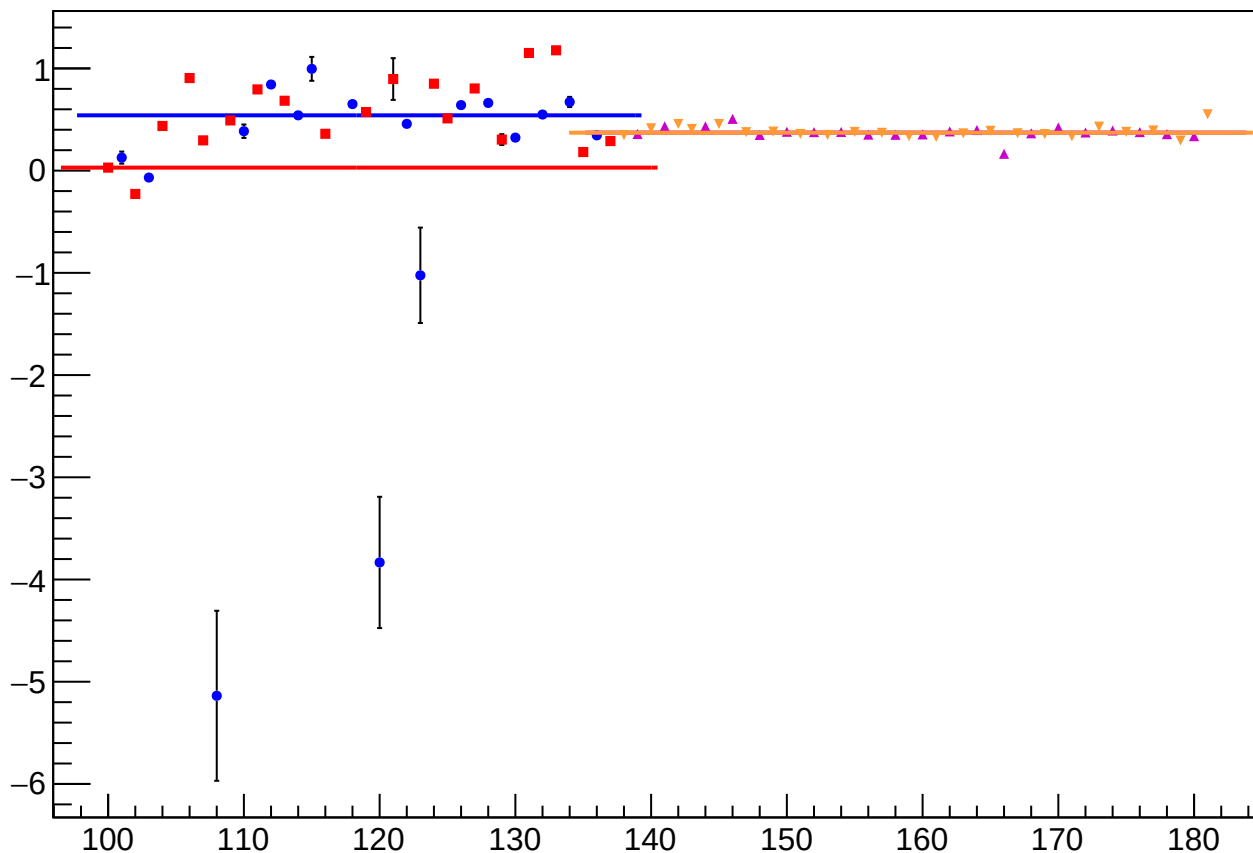
Right: -74.974 ± 0.000 $\chi^2/\text{NDF}: 2556524.2/35$

In: -74.974 ± 0.000 $\chi^2/\text{NDF}: 498768.3/37$

Out: -101.205 ± 0.016 $\chi^2/\text{NDF}: 87268.0/41$

All: -74.974 ± 0.000 $\chi^2/\text{NDF}: 3202155.1/79$

dit_sam8_11X12X_slope vs Slug, Sign Corrected



Right In: 0.541+/-0.000 χ^2/NDF : 29180.5/16

Left Out: 0.371+/-0.000 χ^2/NDF : 6732.5/22

Right Out: 0.030+/-0.000 χ^2/NDF : 121659.5/18

Left In: 0.372+/-0.000 χ^2/NDF : 5977.5/20

Left: 0.372+/-0.000 χ^2/NDF : 12719.3/43

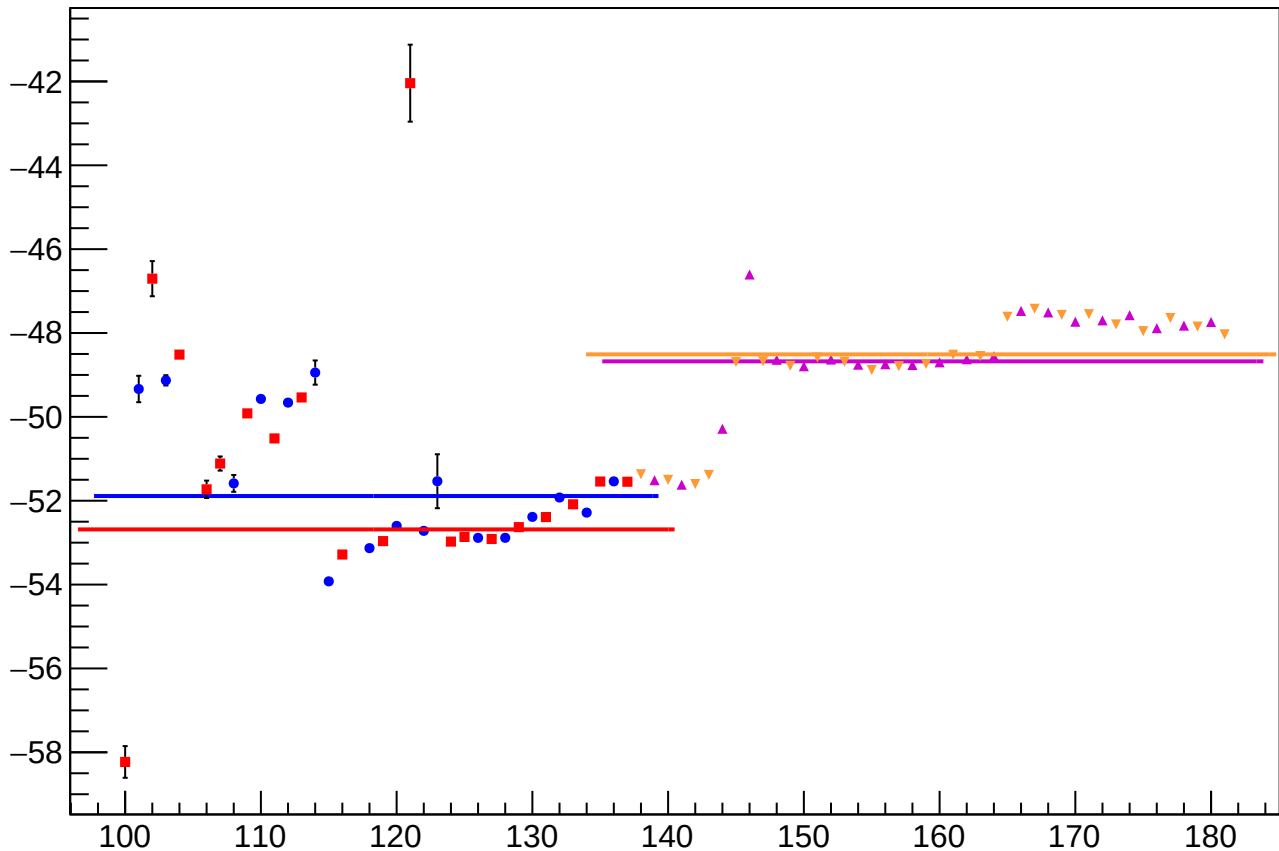
Right: 0.030+/-0.000 χ^2/NDF : 23314297700963382

In: 0.541+/-0.000 χ^2/NDF : 331487.9/37

Out: 0.030+/-0.000 χ^2/NDF : 956730.4/41

All: 0.030+/-0.000 χ^2/NDF : 23314297700963382

dit_sam8_4aY_slope vs Slug, Sign Corrected



Right In: -51.888 ± 0.002 $\chi^2/\text{NDF}: 77585.2/16$

Left Out: -48.510 ± 0.001 $\chi^2/\text{NDF}: 690142.6/22$

Right Out: -52.684 ± 0.003 $\chi^2/\text{NDF}: 56125.8/18$

Left In: -48.676 ± 0.001 $\chi^2/\text{NDF}: 804064.3/20$

Left: -48.604 ± 0.001 $\chi^2/\text{NDF}: 1507788.7/43$

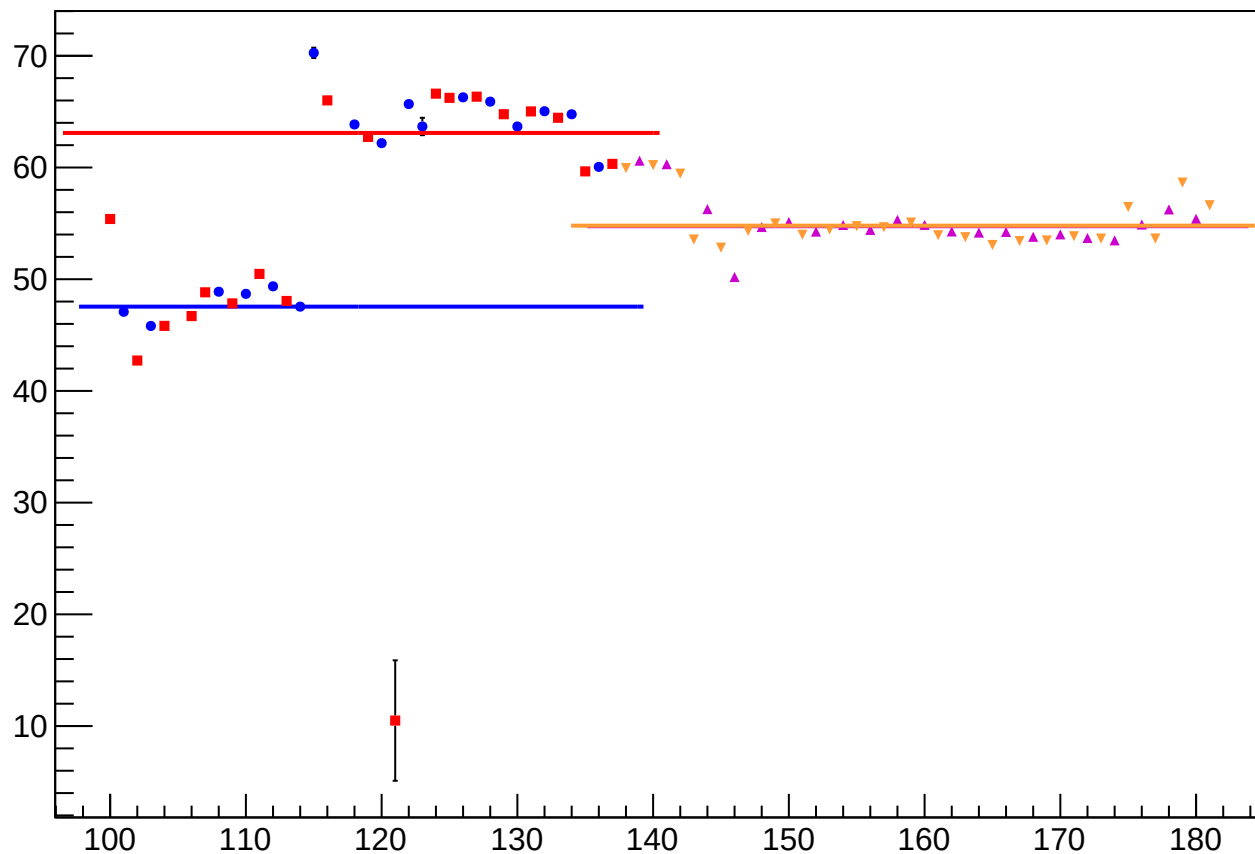
Right: -52.231 ± 0.002 $\chi^2/\text{NDF}: 188721.6/35$

In: -49.162 ± 0.001 $\chi^2/\text{NDF}: 2645139.7/37$

Out: -49.134 ± 0.001 $\chi^2/\text{NDF}: 3008126.1/41$

All: -49.150 ± 0.001 $\chi^2/\text{NDF}: 5653731.8/79$

dit_sam8_4eY_slope vs Slug, Sign Corrected



Right In: 47.545+/-0.000 χ^2/NDF : 3491700.1/16

Left Out: 54.795+/-0.003 χ^2/NDF : 298217.6/22

Right Out: 63.095+/-0.007 χ^2/NDF : 333637.2/18

Left In: 54.743+/-0.003 χ^2/NDF : 94510.1/20

Left: 54.766+/-0.002 χ^2/NDF : 392902.7/43

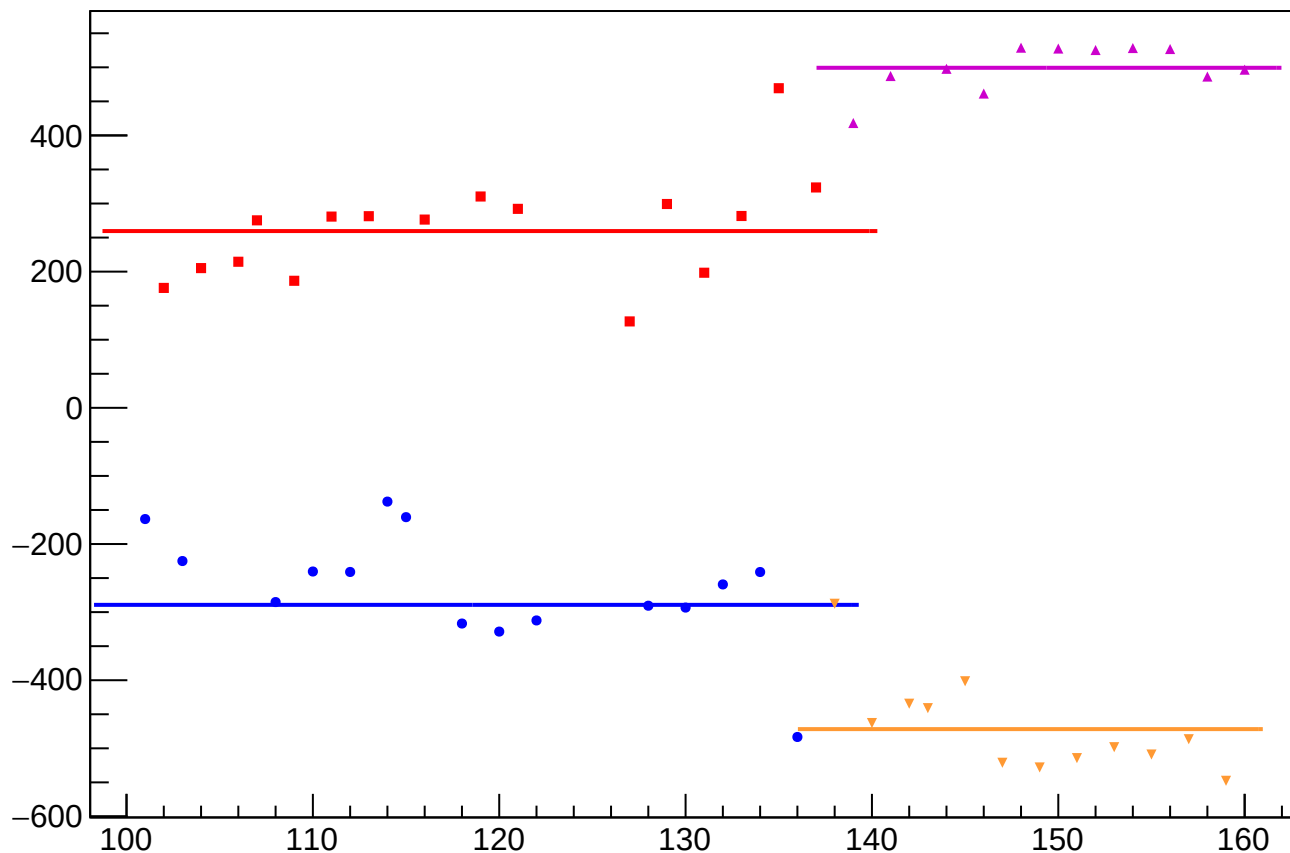
Right: 47.545+/-0.000 χ^2/NDF : 8155028.5/35

In: 47.545+/-0.000 χ^2/NDF : 11189089.8/37

Out: 55.919+/-0.003 χ^2/NDF : 1698353.4/41

All: 47.545+/-0.000 χ^2/NDF : 22163996.9/79

dit_4aX_coil1_mean vs Slug, Sign Corrected



Right In: -289.322+/-0.000

Left Out: -471.791+/-0.000

Right Out: 259.558+/-0.000

Left In: 499.323+/-0.000

χ^2/NDF : 53696816404891478649585392183934976.0/14

χ^2/NDF : 4407577357733372304653153526381281280.0/11

χ^2/NDF : 4299886792692123970784563983770714112.0/15

χ^2/NDF : 1018789461606644410107221718465511424.0/10

Left: 16.408+/-0.000 χ^2/NDF : 4387510726187305

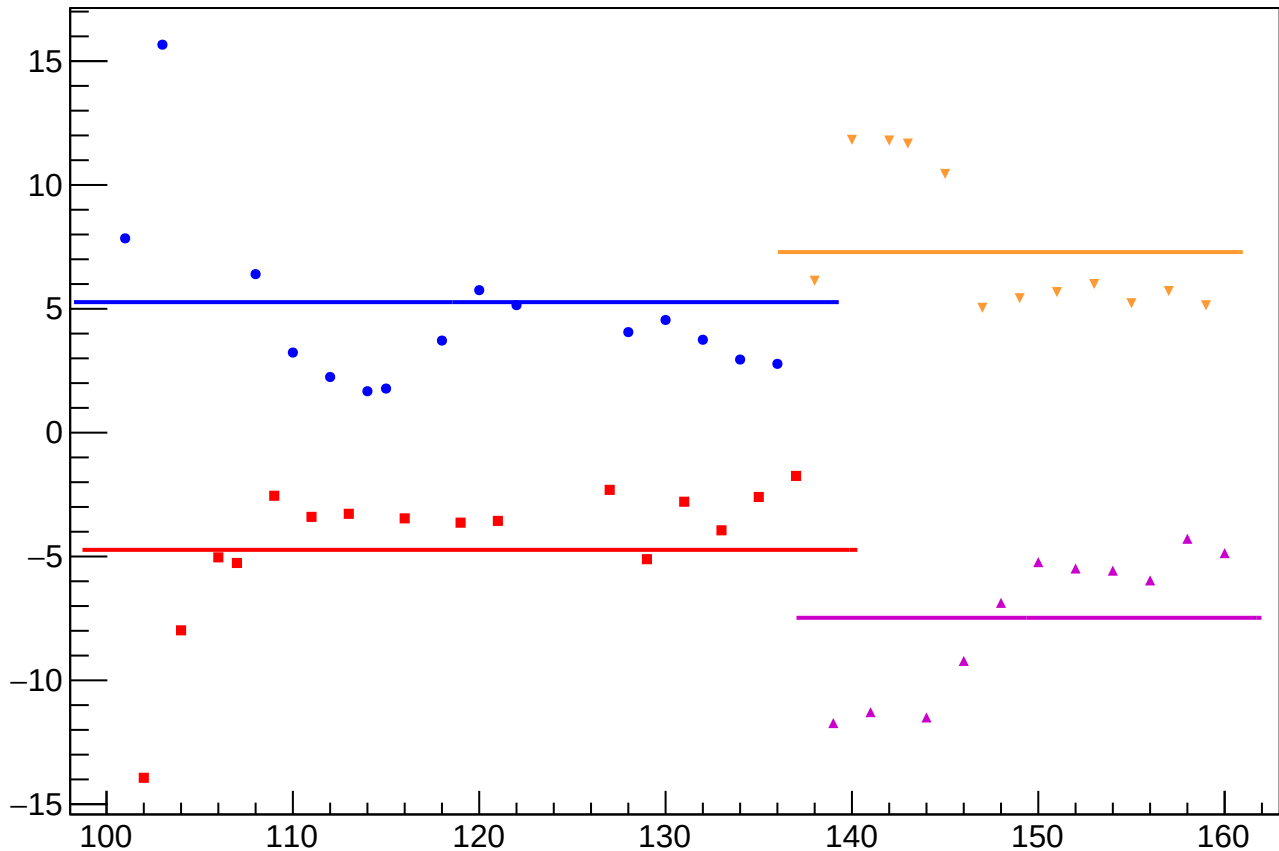
Right: -11.129+/-0.000 χ^2/NDF : 108768514077982

In: 173.938+/-0.000 χ^2/NDF : 2434992102571034

Out: -163.246+/-0.000 χ^2/NDF : 214955339400548

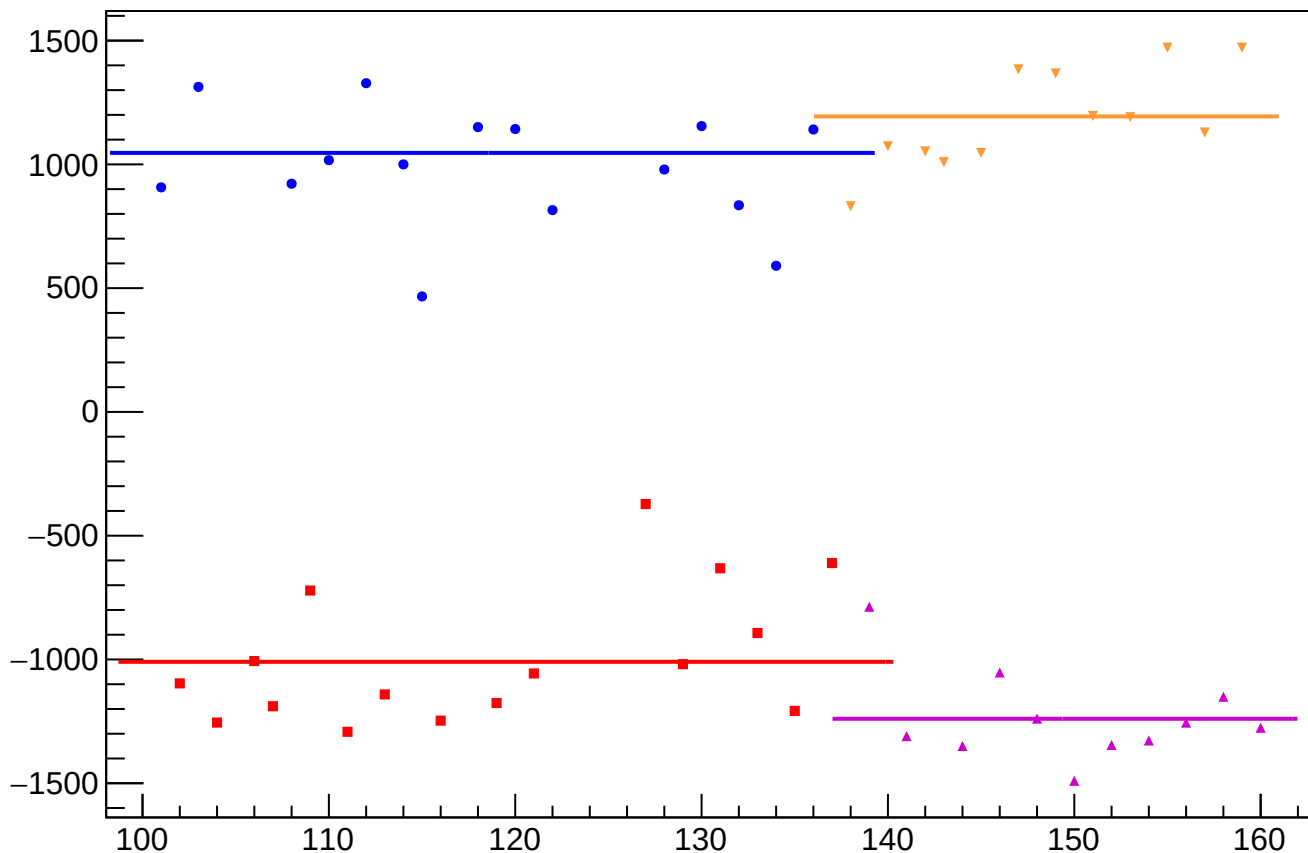
All: 4.918+/-0.000 χ^2/NDF : 54810108058073

dit_4aX_coil1_err_mean vs Slug, Sign Corrected



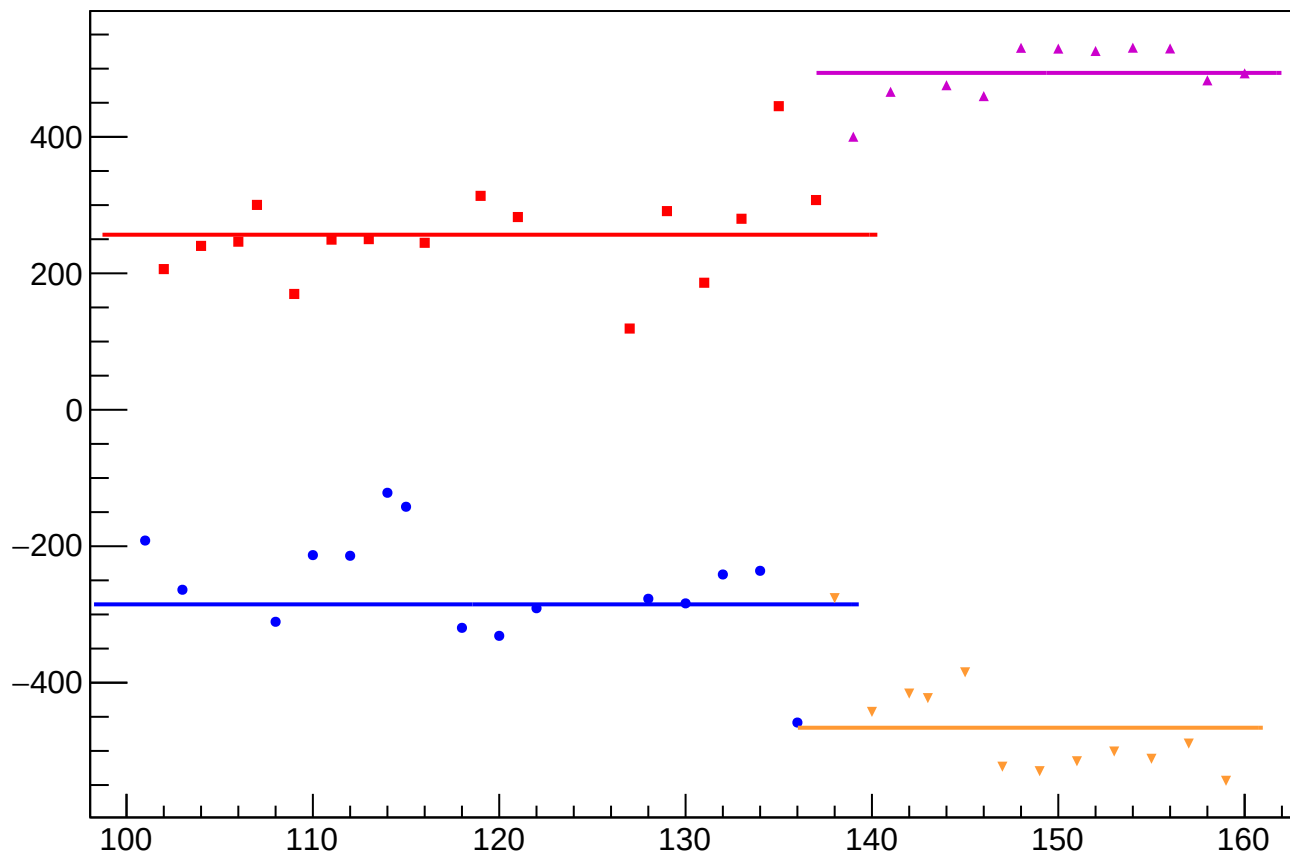
Right In: 5.270 ± 0.000 $\chi^2/\text{NDF}: 8709683292123798330550906790084608.0/14$
 Left Out: 7.291 ± 0.000 $\chi^2/\text{NDF}: 6718053515172863885836432351166464.0/11$
 Right Out: -4.732 ± 0.000 $\chi^2/\text{NDF}: 6856893072575211562802281426452480.0/15$
 Left In: -7.475 ± 0.000 $\chi^2/\text{NDF}: 7057812139399579538870244550377472.0/10$
 All: 0.007 ± 0.000 $\chi^2/\text{NDF}: 16250941727402.0/10$

dit_4aX_coil1_Ndata_mean vs Slug, Sign Corrected



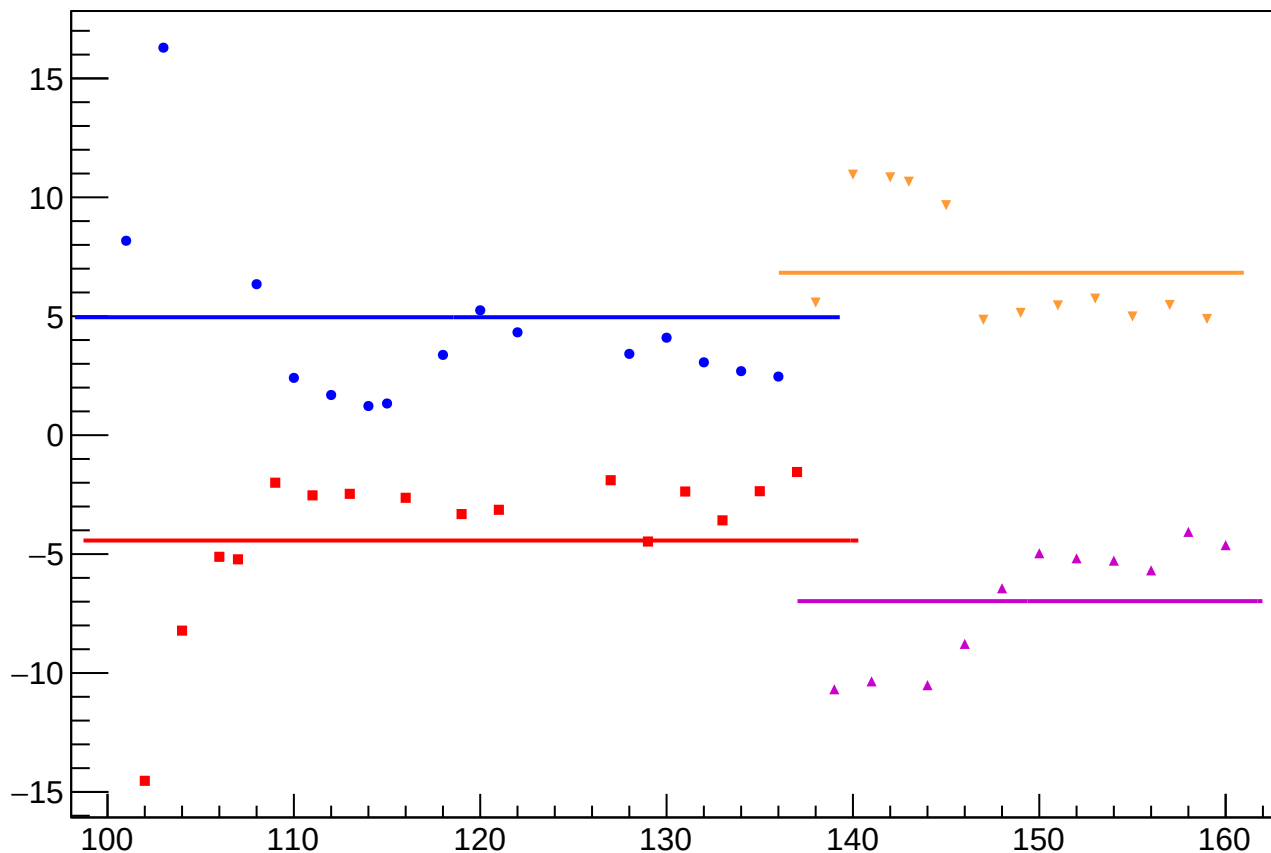
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_4eX_coil1_mean vs Slug, Sign Corrected



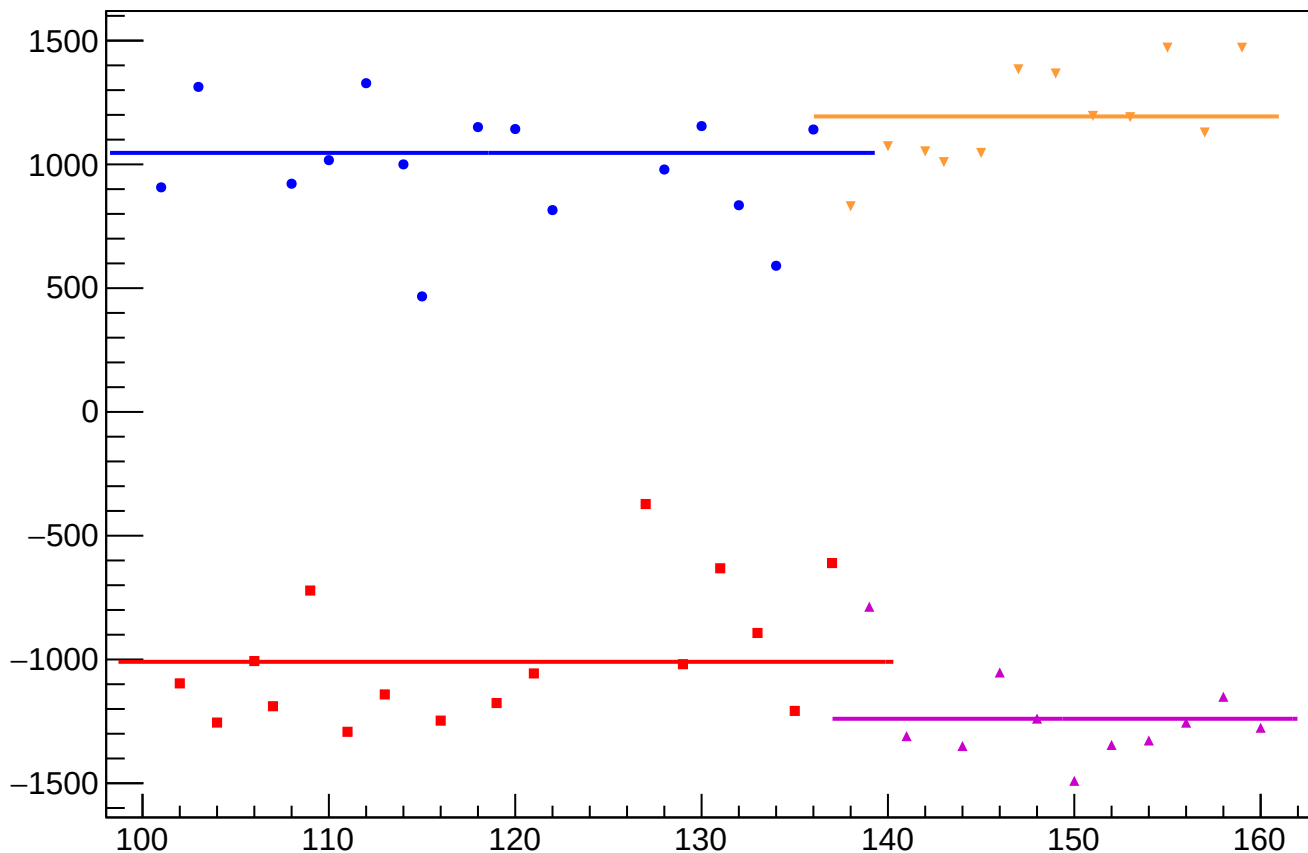
Right In: -285.187 ± 0.000 $\chi^2/\text{NDF}: 4479585262853549838092521921291747328.0/14$
 Left Out: -466.012 ± 0.000 $\chi^2/\text{NDF}: 5190970068830574132794472761412026368.0/11$
 Right Out: 256.599 ± 0.000 $\chi^2/\text{NDF}: 3648271535971039165952602563191767040.0/15$
 Left In: 493.780 ± 0.000 $\chi^2/\text{NDF}: 1451794731277142230901460532226686976.0/10$
 All: 5.194 ± 0.000 $\chi^2/\text{NDF}: 53516578605527$

dit_4eX_coil1_err_mean vs Slug, Sign Corrected



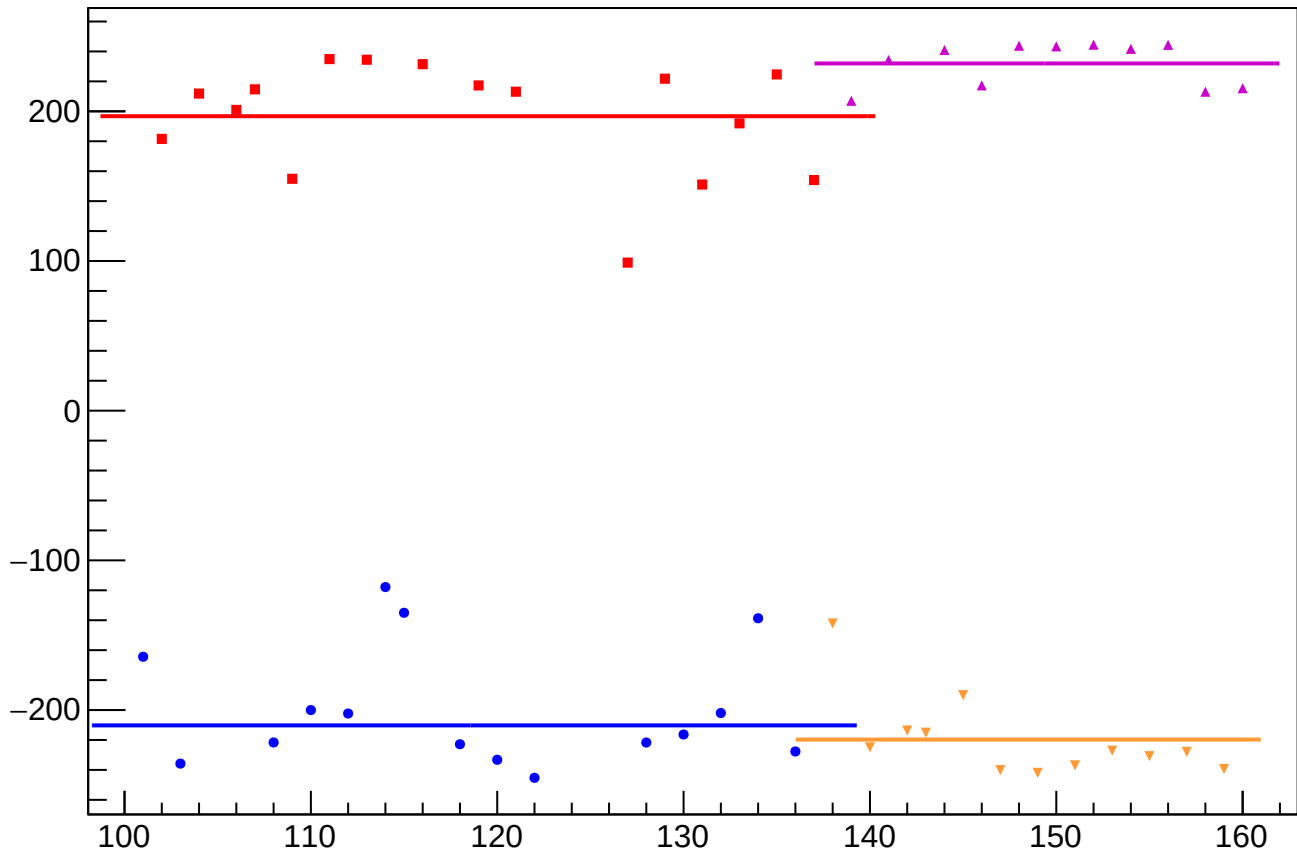
Right In: 4.959 ± 0.000 χ^2/NDF : 10465467057143371817371681641463808.0/14
 Left Out: 6.828 ± 0.000 χ^2/NDF : 5374095498583312473439971131260928.0/11
 Right Out: -4.429 ± 0.000 χ^2/NDF : 8371440400334524571131796772618240.0/15
 Left In: -6.978 ± 0.000 χ^2/NDF : 5622697014277754941158413236699136.0/10
 All: 0.018 ± 0.000 χ^2/NDF : 14647689214070

dit_4eX_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_11X12X_coil1_mean vs Slug, Sign Corrected



Right In: -210.261+/-0.000

Left Out: -219.729+/-0.000

Right Out: 196.736+/-0.000

Left In: 231.985+/-0.000

χ^2/NDF : 567711076568068409192467700494893056.0/14

χ^2/NDF : 691090878567021644145539364306288640.0/11

χ^2/NDF : 90958895093044840633640514790359040.0/15

χ^2/NDF : 182992027280401463139065105290887168.0/10

Left: 7.357+/-0.000 χ^2/NDF : 946302102045066653

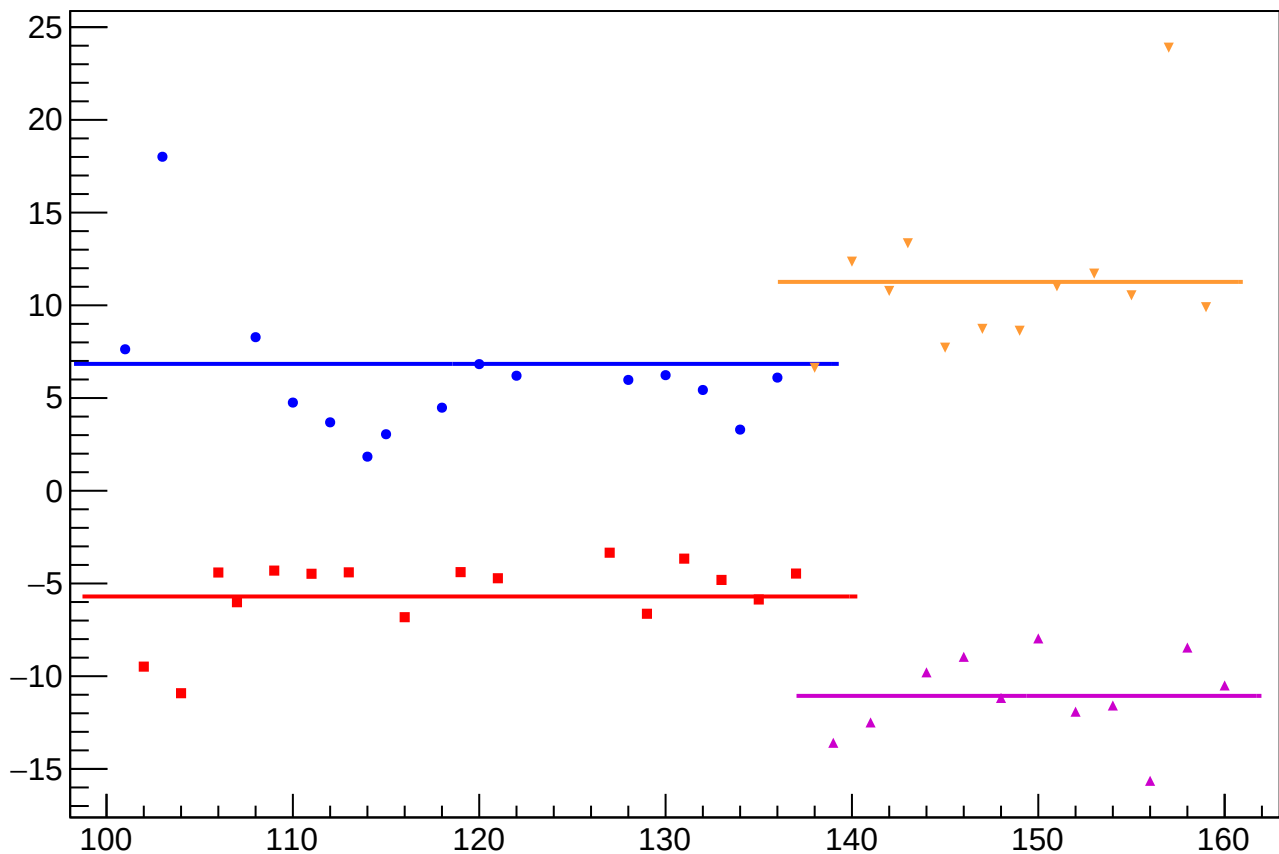
Right: -3.979+/-0.000 χ^2/NDF : 5596508618889263

In: 49.520+/-0.000 χ^2/NDF : 753125513421150554

Out: -44.029+/-0.000 χ^2/NDF : 6848097439733710

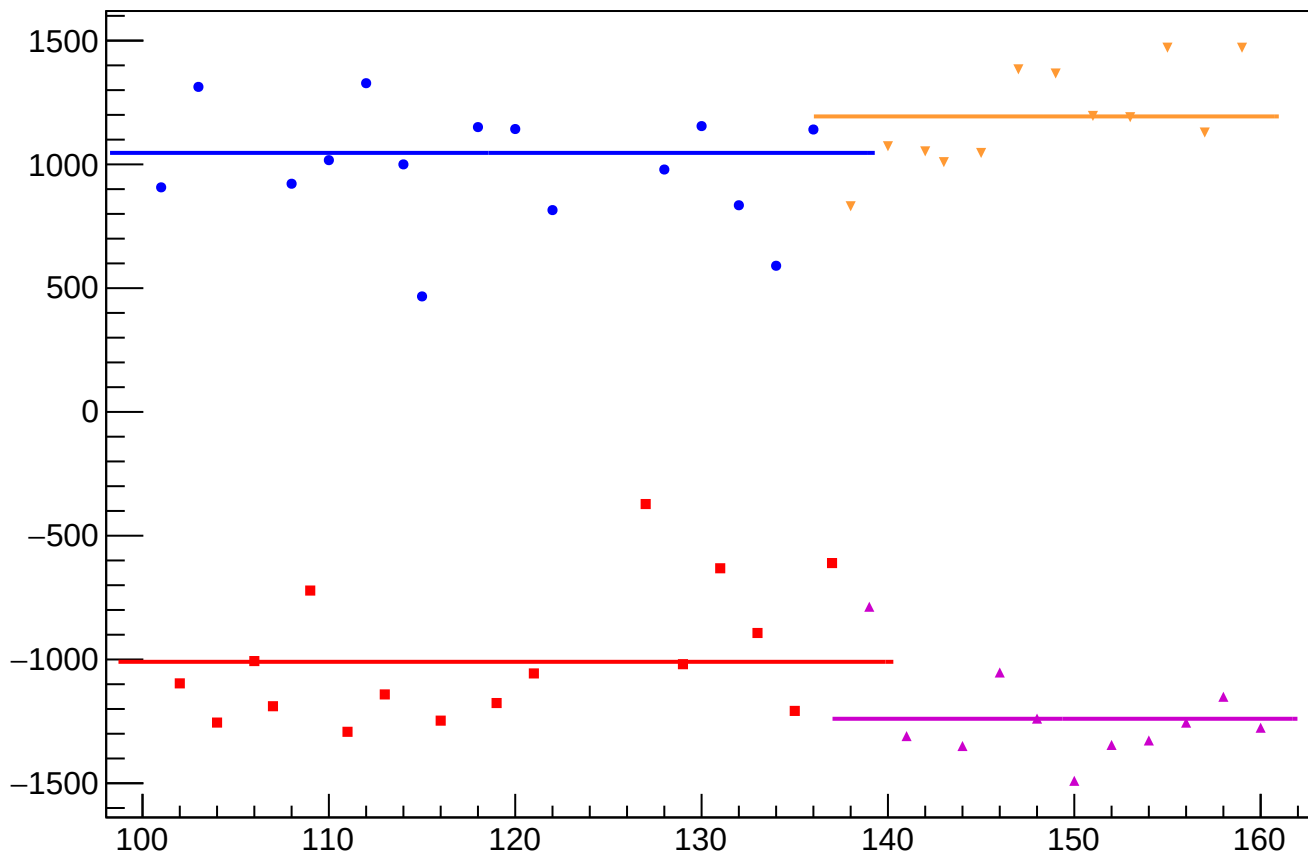
All: 2.627+/-0.000 χ^2/NDF : 15069384503153

dit_11X12X_coil1_err_mean vs Slug, Sign Corrected



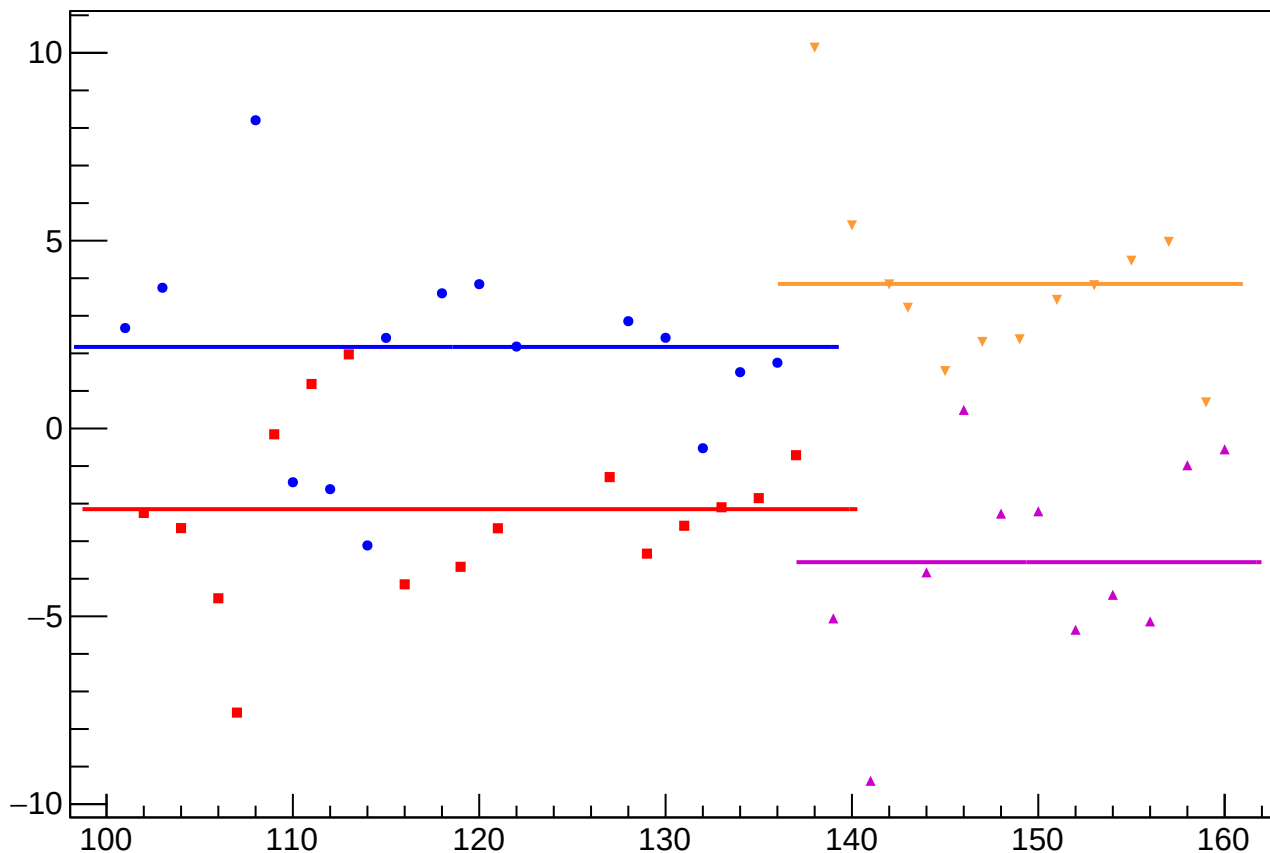
Right In: 6.842 $\pm$ 0.000 χ^2 /NDF: 9355934166823324467316647620771840.0/14
 Left Out: 11.263 $\pm$ 0.000 χ^2 /NDF: 16950484304495826735526537389408256.0/11
 Right Out: -5.701 $\pm$ 0.000 χ^2 /NDF: 3174693398300953393137731791486976.0/15
 Left In: -11.061 $\pm$ 0.000 χ^2 /NDF: 4417559387784954400311933713514496.0/10
 All: 0.226 $\pm$ 0.000 χ^2 /NDF: 31478743415470

dit_11X12X_coil1_Ndata_mean vs Slug, Sign Corrected



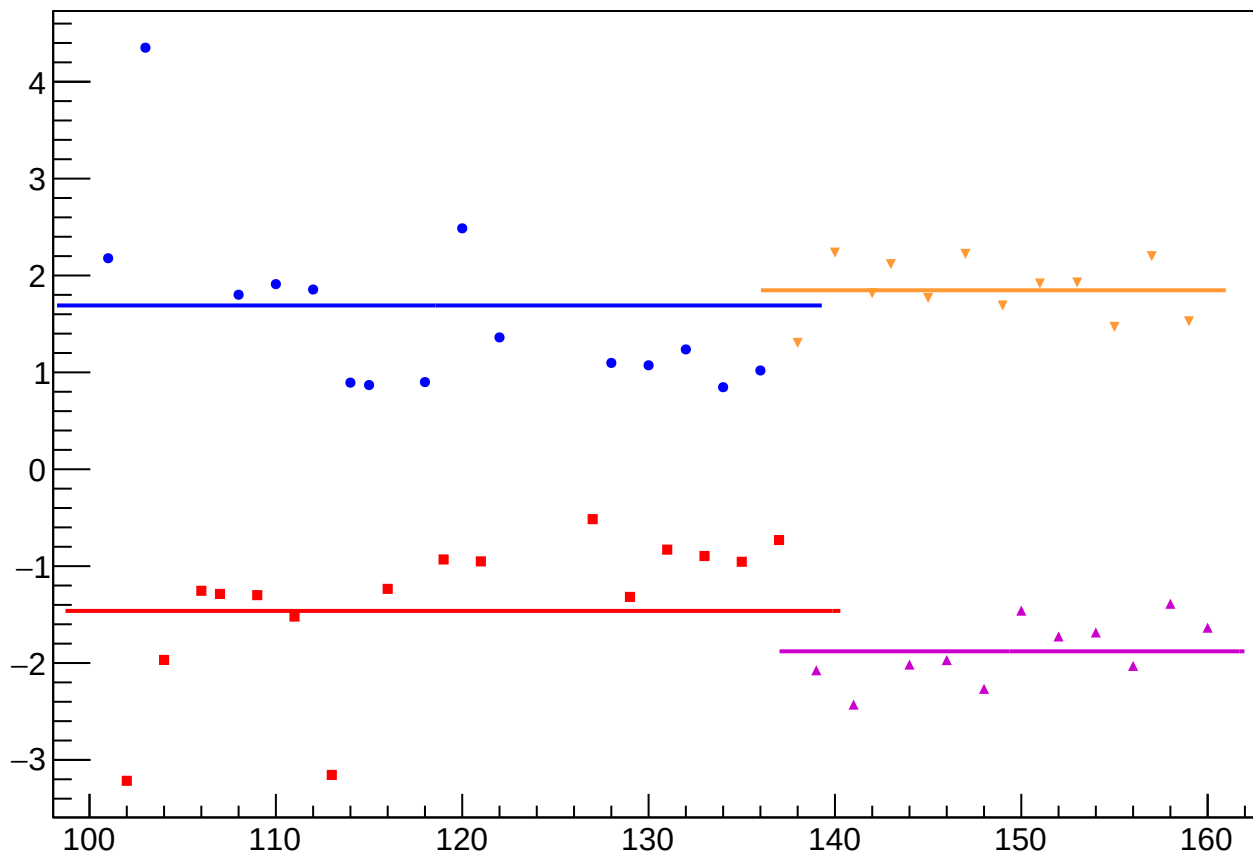
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_4aY_coil1_mean vs Slug, Sign Corrected



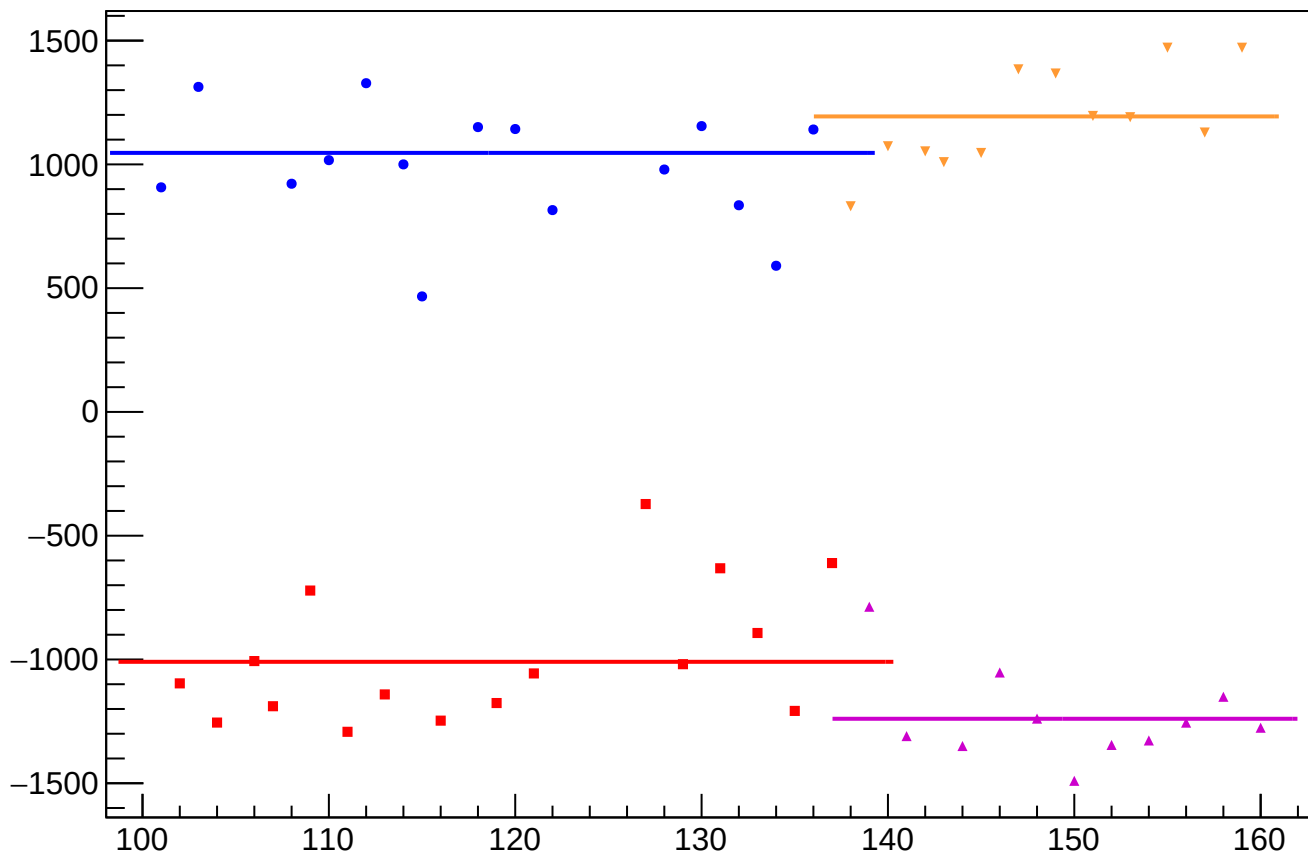
Right In: 2.171 ± 0.000 $\chi^2/\text{NDF}: 3599819246909975678410499691642880.0/14$
 Left Out: 3.848 ± 0.000 $\chi^2/\text{NDF}: 5039599457588936759406360166137856.0/11$
 Right Out: -2.148 ± 0.000 $\chi^2/\text{NDF}: 3093887336239378959606321931878400.0/15$
 Left In: -3.559 ± 0.000 $\chi^2/\text{NDF}: 6492667345109962540652165758713856.0/10$
 All: 0.065 ± 0.000 $\chi^2/\text{NDF}: 49586913800618$

dit_4aY_coil1_err_mean vs Slug, Sign Corrected



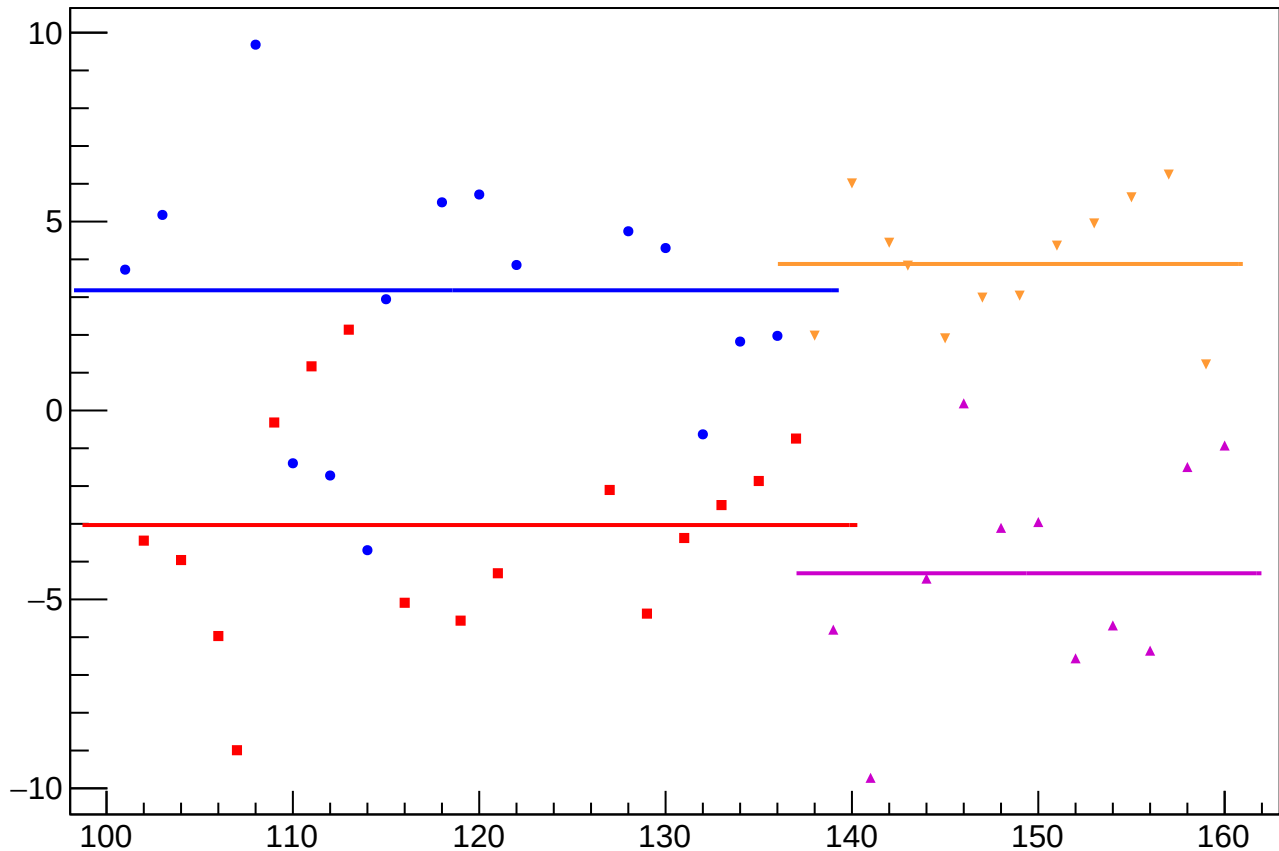
Right In: 1.691 ± 0.000 χ^2/NDF : 612163393317609859674079412355072.0/14
 Left Out: 1.847 ± 0.000 χ^2/NDF : 84162850183102511254837045231616.0/11
 Right Out: -1.462 ± 0.000 χ^2/NDF : 444384511662519040022371754835968.0/15
 Left In: -1.879 ± 0.000 χ^2/NDF : 90968052268112309617342982127616.0/10
 All: 0.024 ± 0.000 χ^2/NDF : 10893960400462

dit_4aY_coil1_Ndata_mean vs Slug, Sign Corrected



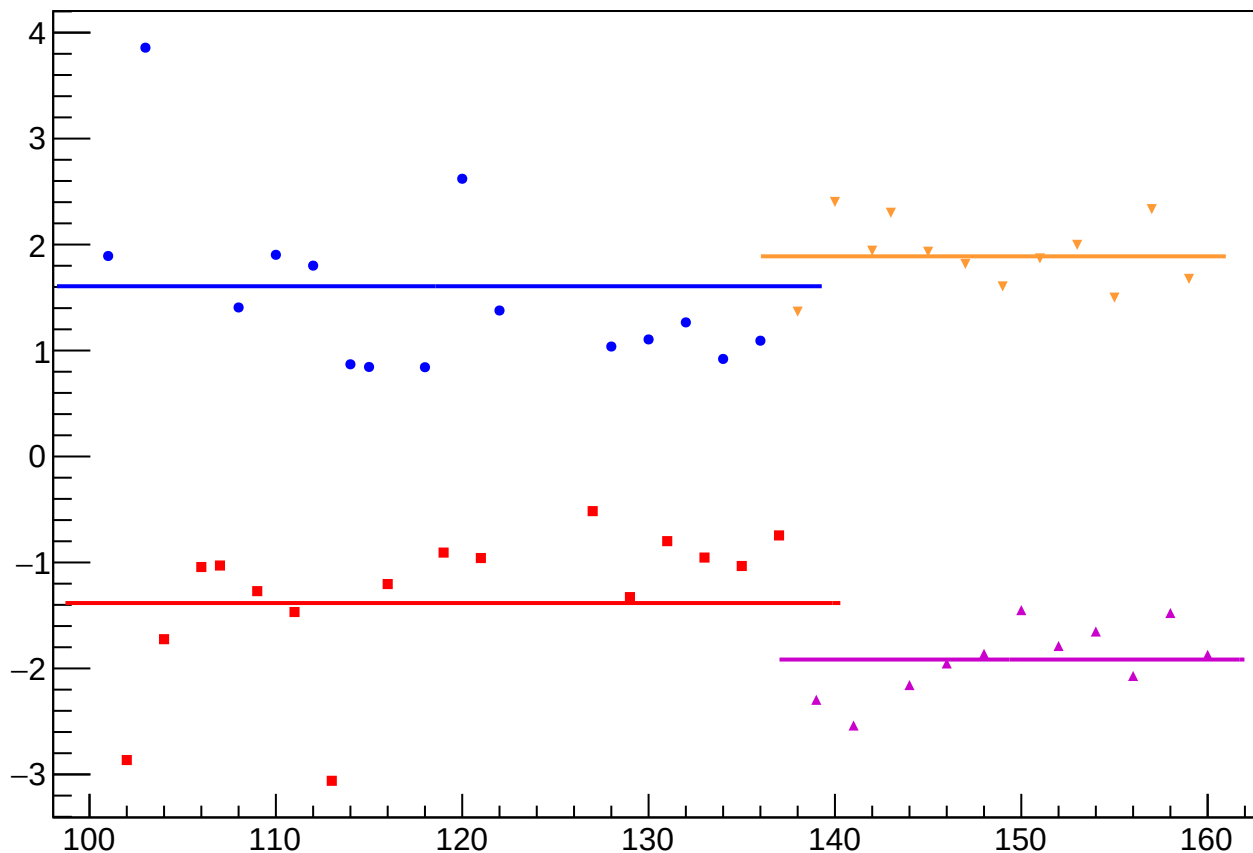
Right In: 1046.490+/-0.000	χ^2/NDF : 24866624766048512267031234680614551552.0/14	Left: -29.533+/-0.000	χ^2/NDF : 2784054454845267
Left Out: 1193.726+/-0.000	χ^2/NDF : 34388618994267285012310712301196935168.0/11	Right: 4.462+/-0.000	χ^2/NDF : 14598494086105576
Right Out: -1009.445+/-0.000	χ^2/NDF : 44602783681728168935494176019868286976.0/15	In: -296.360+/-0.000	χ^2/NDF : 2046292009130527
Left In: -1239.553+/-0.000	χ^2/NDF : 29116180330425505242594030704390045696.0/10	Out: 264.242+/-0.000	χ^2/NDF : 1950694116005569
		All: -15.348+/-0.000	χ^2/NDF : 424479012287

dit_4eY_coil1_mean vs Slug, Sign Corrected



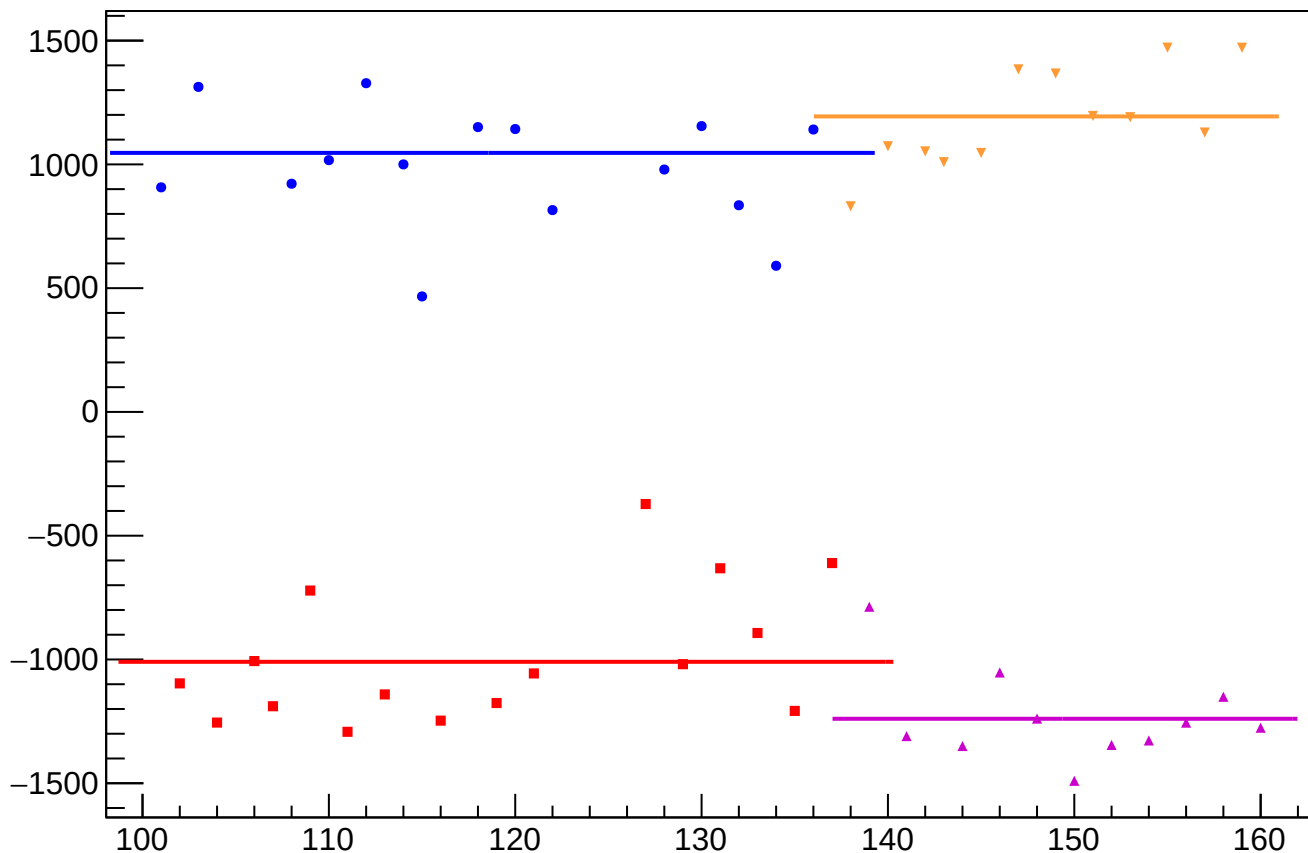
Left: -0.237 +/- 0.000 χ^2/NDF : 40330727078704471
 Right In: 3.181 +/- 0.000 χ^2/NDF : 5833303227868252617704566394191872.0/14
 Right: 0.032 +/- 0.000 χ^2/NDF : 23467771565313990
 Left Out: 3.878 +/- 0.000 χ^2/NDF : 2463584640289158504459219897417728.0/11
 In: -1.218 +/- 0.000 χ^2/NDF : 342914810766388262
 Right Out: -3.032 +/- 0.000 χ^2/NDF : 4937209831371793945496546833334272.0/15
 Out: 0.963 +/- 0.000 χ^2/NDF : 258114849490247466
 Left In: -4.308 +/- 0.000 χ^2/NDF : 7073495667694280351803168107003904.0/10
 All: -0.125 +/- 0.000 χ^2/NDF : 6385427084403

dit_4eY_coil1_err_mean vs Slug, Sign Corrected



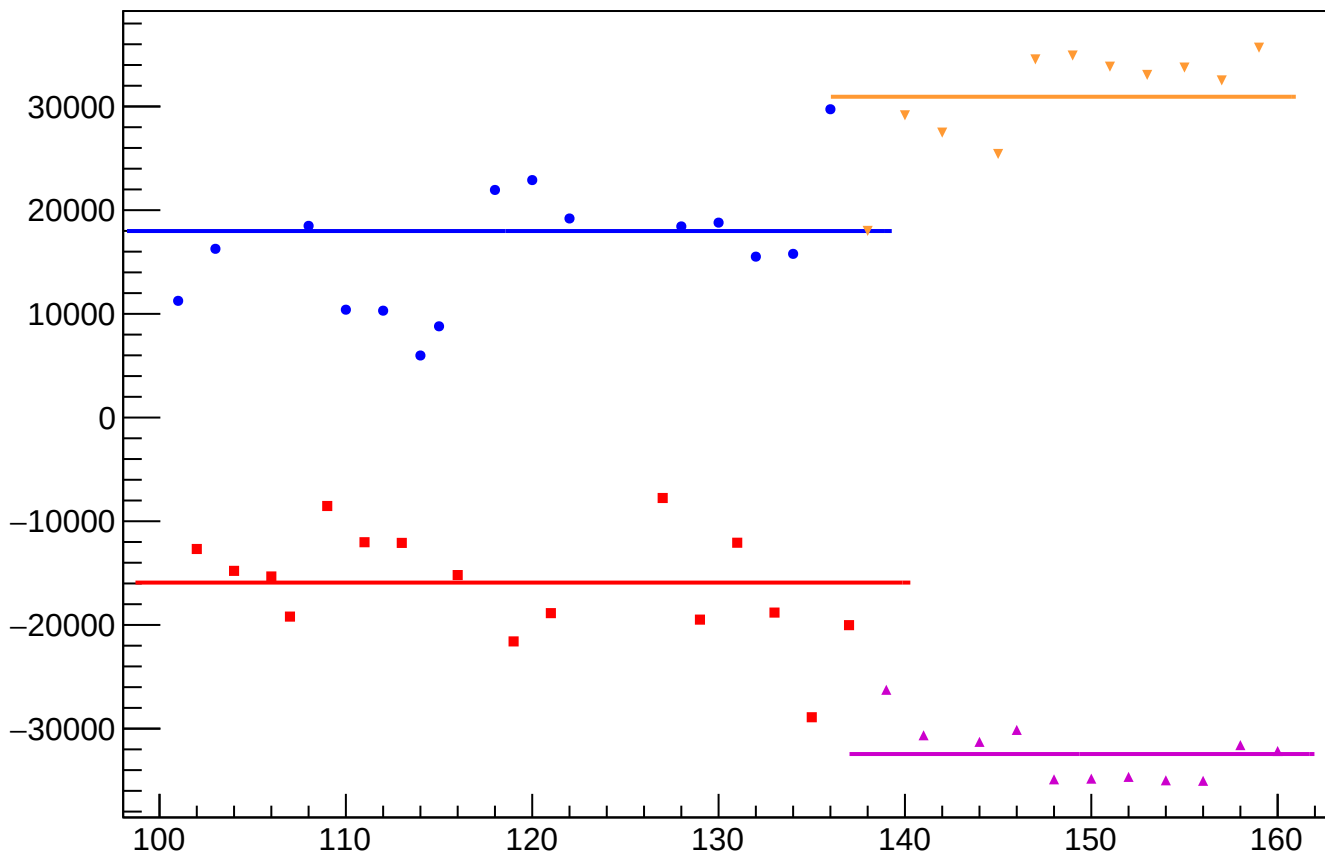
Right In: 1.607 ± 0.000 $\chi^2/\text{NDF}: 460949628640148184181205735833600.0/14$
 Left Out: 1.889 ± 0.000 $\chi^2/\text{NDF}: 94097326064066188177587241484288.0/11$
 Right Out: -1.383 ± 0.000 $\chi^2/\text{NDF}: 358348897016286200957650337792000.0/15$
 Left In: -1.916 ± 0.000 $\chi^2/\text{NDF}: 95276515809016209875699691945984.0/10$
 All: 0.024 ± 0.000 $\chi^2/\text{NDF}: 10610919143090$

dit_4eY_coil1_Ndata_mean vs Slug, Sign Corrected



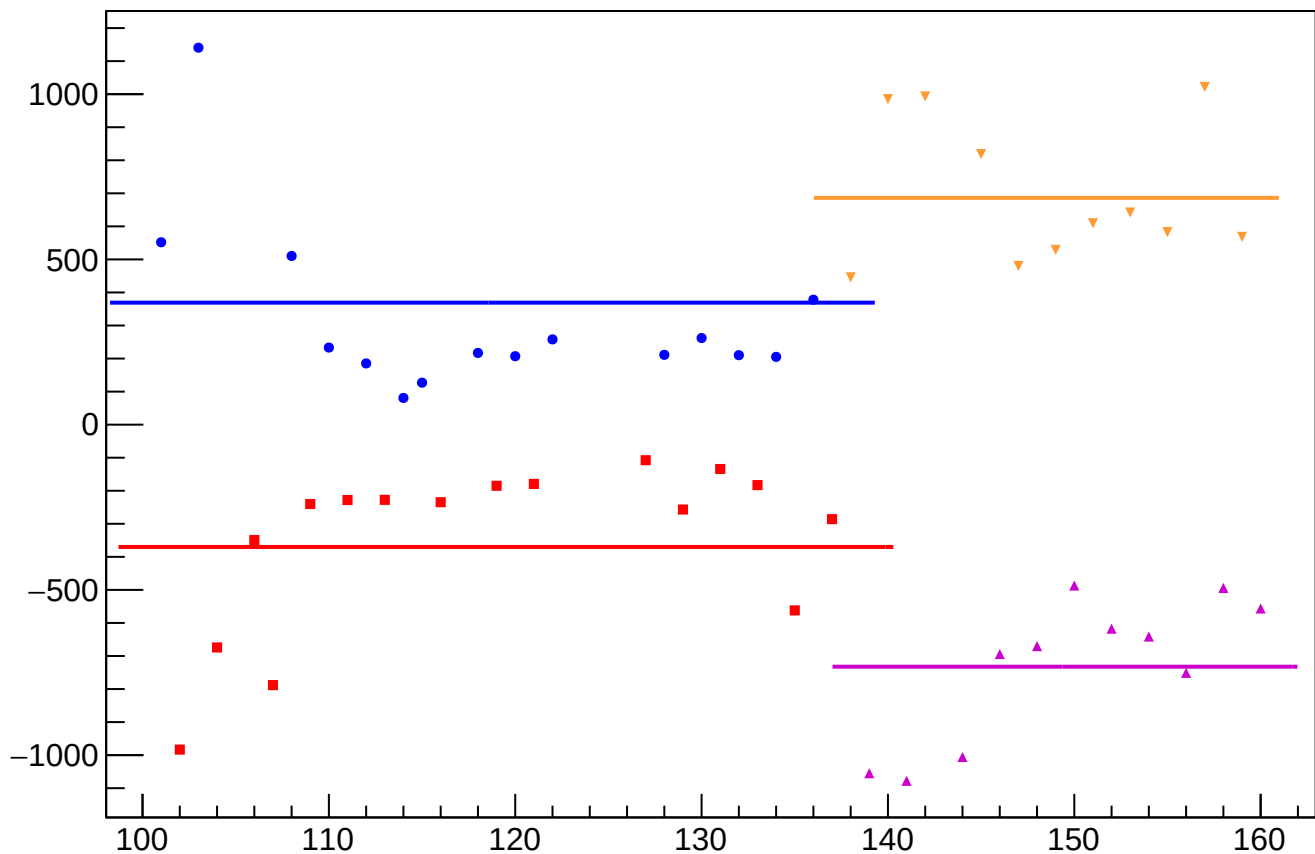
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_usl_coil1_mean vs Slug, Sign Corrected



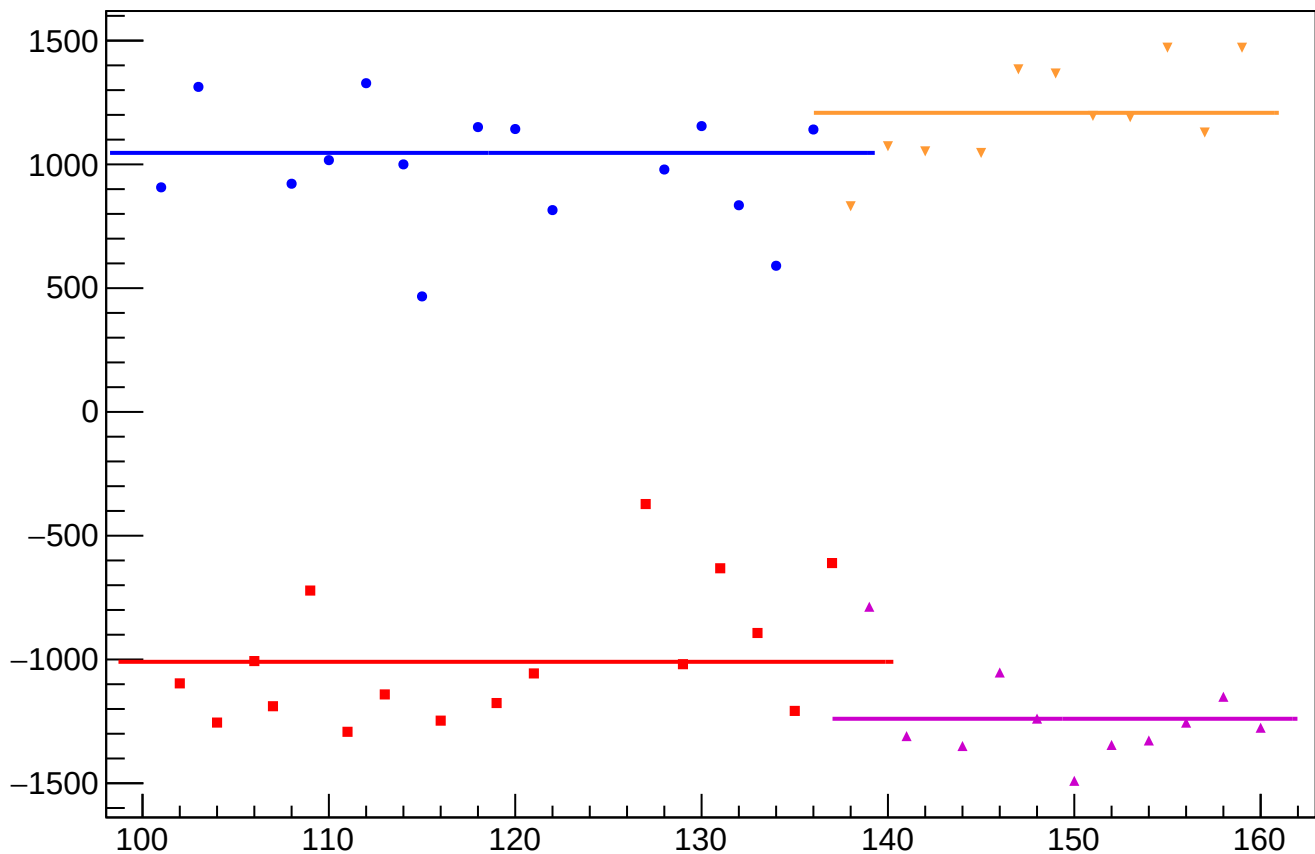
Right In: 17988.185+/-0.000 χ^2/NDF : 24815111809984217103544001237552952508416.0/14
 Left Out: 30938.190+/-0.000 χ^2/NDF : 22231201695257869773275369100022395174912.0/10
 Right Out: -15915.227+/-0.000 χ^2/NDF : 19954189674705952707042287416087223992320.0/15
 Left In: -32448.675+/-0.000 χ^2/NDF : 6566176061380629796456552080625585094656.0/10
 All: -880.808+/-0.000 χ^2/NDF : 22337383681

dit_usl_coil1_err_mean vs Slug, Sign Corrected



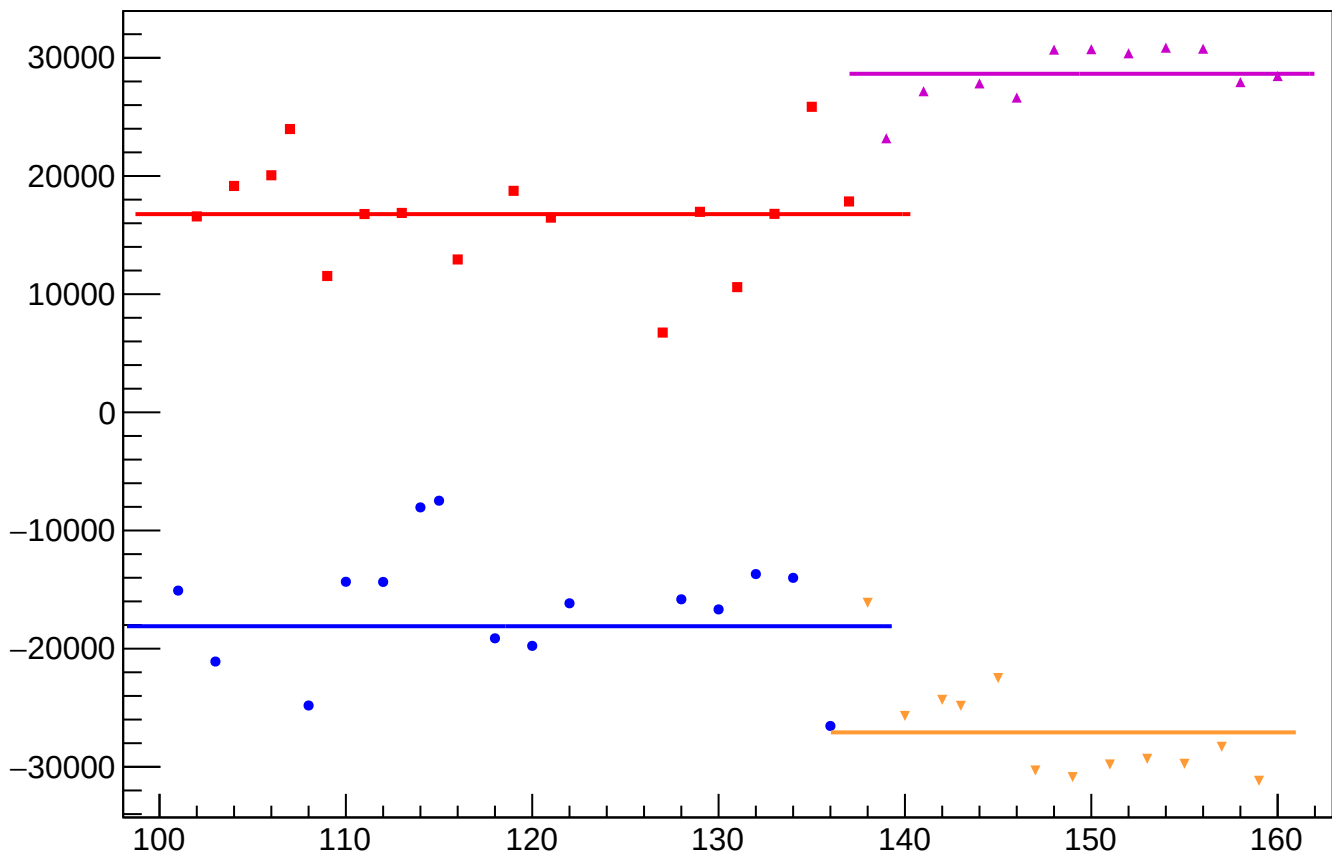
Right In: 369.169+/-0.000 χ^2/NDF : 48053036789565485994195833341370957824.0/14
 Left Out: 686.240+/-0.000 χ^2/NDF : 34417236167842983766159212562513657856.0/10
 Right Out: -370.091+/-0.000 χ^2/NDF : 48214462907052107543037037125316902912.0/15
 Left In: -732.414+/-0.000 χ^2/NDF : 39942105840529115736569596950263889920.0/10
 All: -33.290+/-0.000 χ^2/NDF : 124154771081

dit_usl_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1208.342+/-0.000 χ^2/NDF : 31920270949065456215955115636701528064.0/10
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -37.580+/-0.000 χ^2/NDF : 417296815174

dit_usr_coil1_mean vs Slug, Sign Corrected



Right In: -18100.637+/-0.000

Left Out: -27085.326+/-0.000

Right Out: 16773.604+/-0.000

Left In: 28650.410+/-0.000

χ^2/NDF : 14634967546173586967632040765428699496448.0/14

χ^2/NDF : 16913671790830002451724713056210492850176.0/11

χ^2/NDF : 14234547931135812277474342886568366178304.0/15

χ^2/NDF : 4838827535981080826725947474344765554688.0/10

Left: 934.162+/-0.000 χ^2/NDF : 1449134260498682

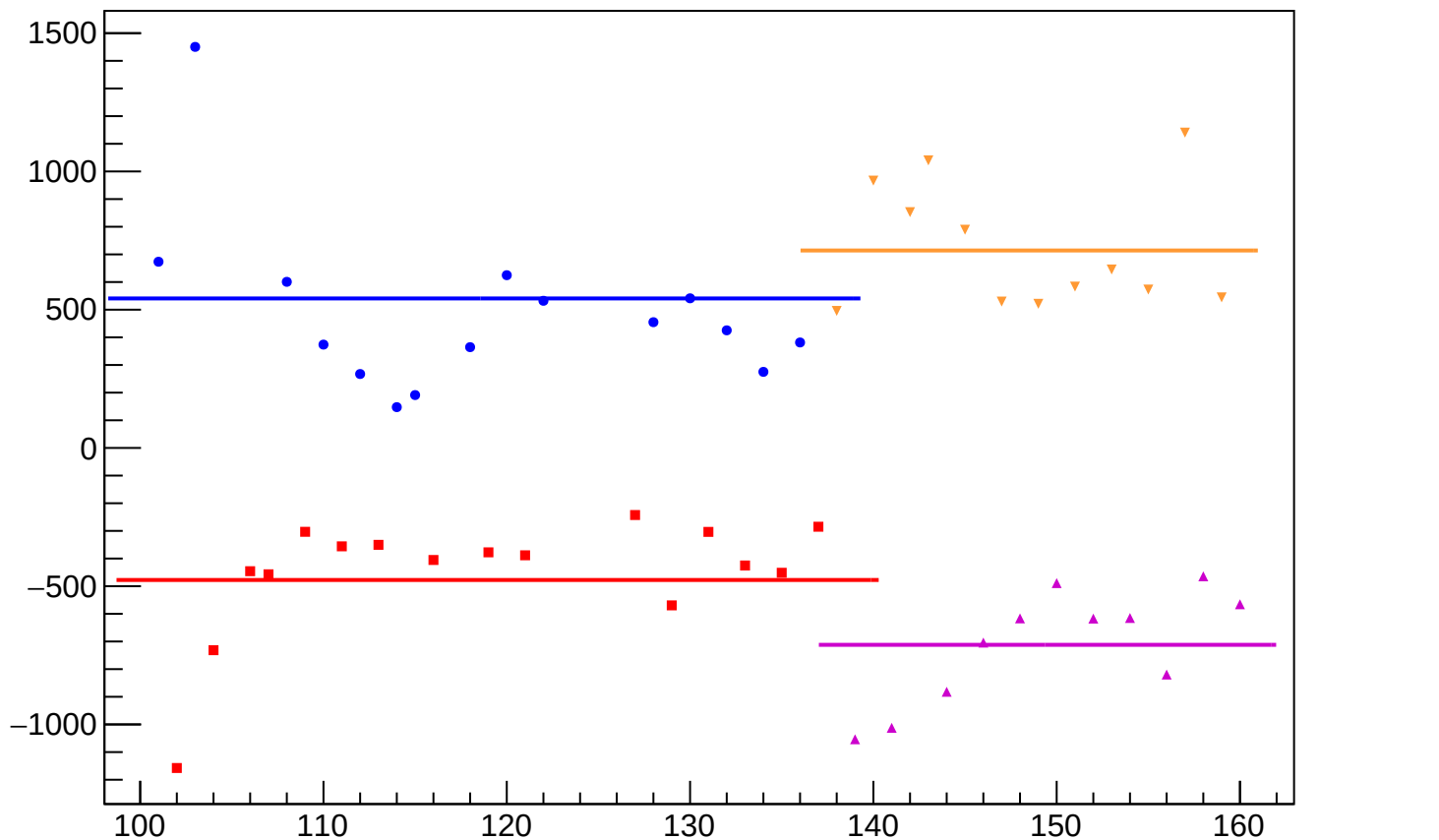
Right: -425.015+/-0.000 χ^2/NDF : 42892863582613

In: 9361.516+/-0.000 χ^2/NDF : 8527147862381255

Out: -8581.907+/-0.000 χ^2/NDF : 77289596182504

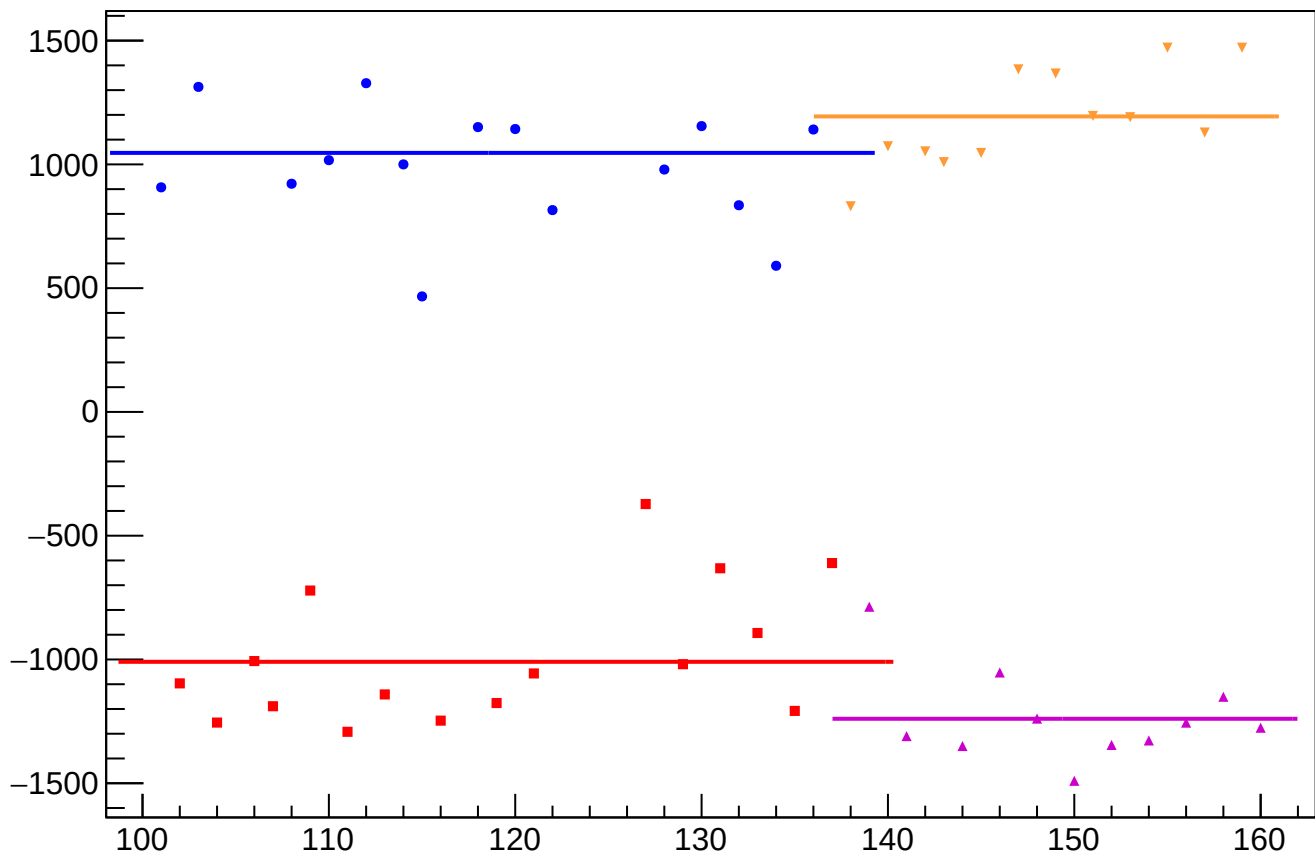
All: 367.048+/-0.000 χ^2/NDF : 18794796419

dit_usr_coil1_err_mean vs Slug, Sign Corrected



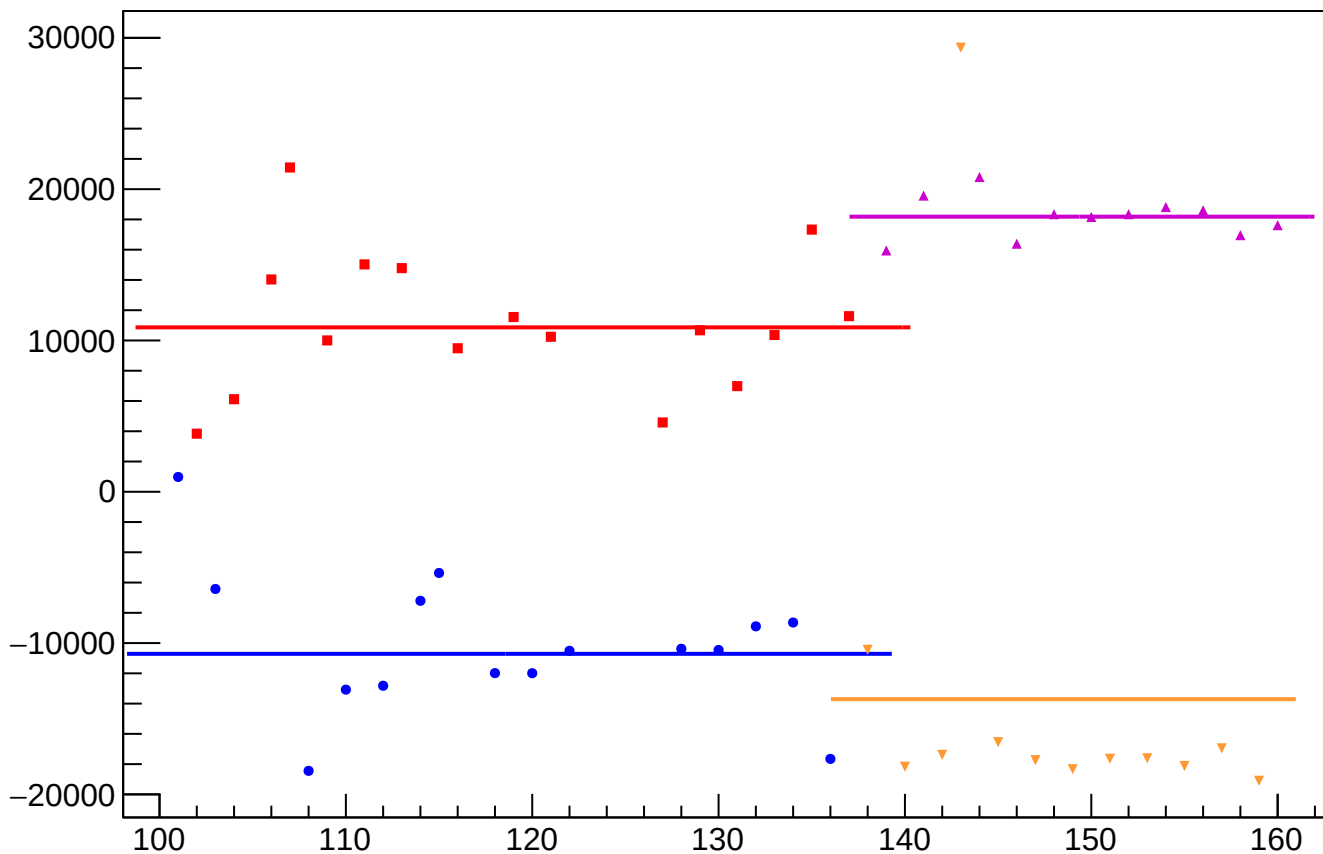
Left: -2.853 +/- 0.000 χ^2/NDF : 10119212919667896
 Right In: 540.663 +/- 0.000 χ^2/NDF : 64546819695986774721678785082975846400.0/14
 Right: 24.595 +/- 0.000 χ^2/NDF : 4443717563002768
 Left Out: 714.147 +/- 0.000 χ^2/NDF : 43160975478631460248575745928156151808.0/11
 In: -195.221 +/- 0.000 χ^2/NDF : 6969405075379816
 Right Out: -477.546 +/- 0.000 χ^2/NDF : 38798306504296954461537116809760604160.0/15
 Out: 211.390 +/- 0.000 χ^2/NDF : 6295663774355160
 Left In: -712.092 +/- 0.000 χ^2/NDF : 34092045920503284936427855101460217856.0/10
 All: 8.600 +/- 0.000 χ^2/NDF : 14568707976042

dit_usr_coil1_Ndata_mean vs Slug, Sign Corrected



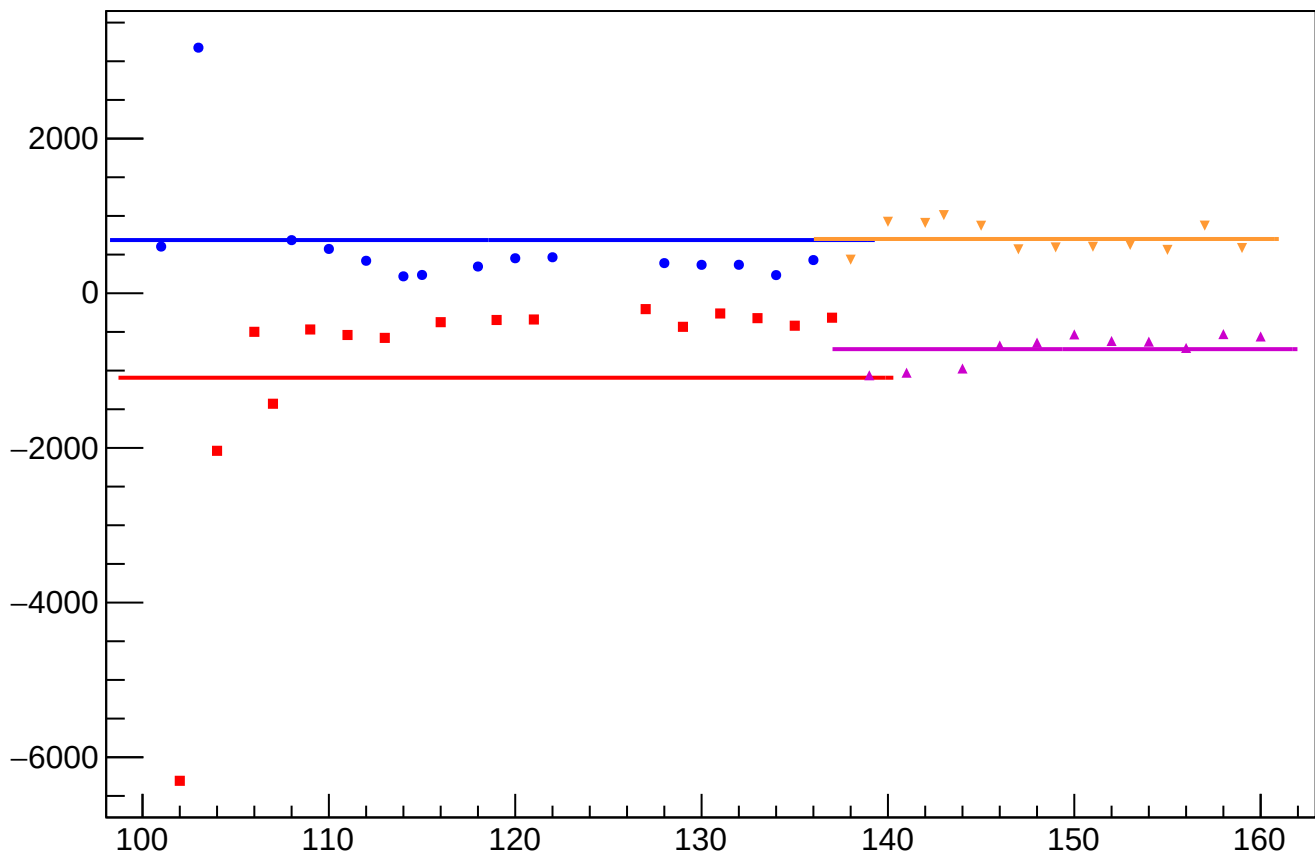
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_atl1_coil1_mean vs Slug, Sign Corrected



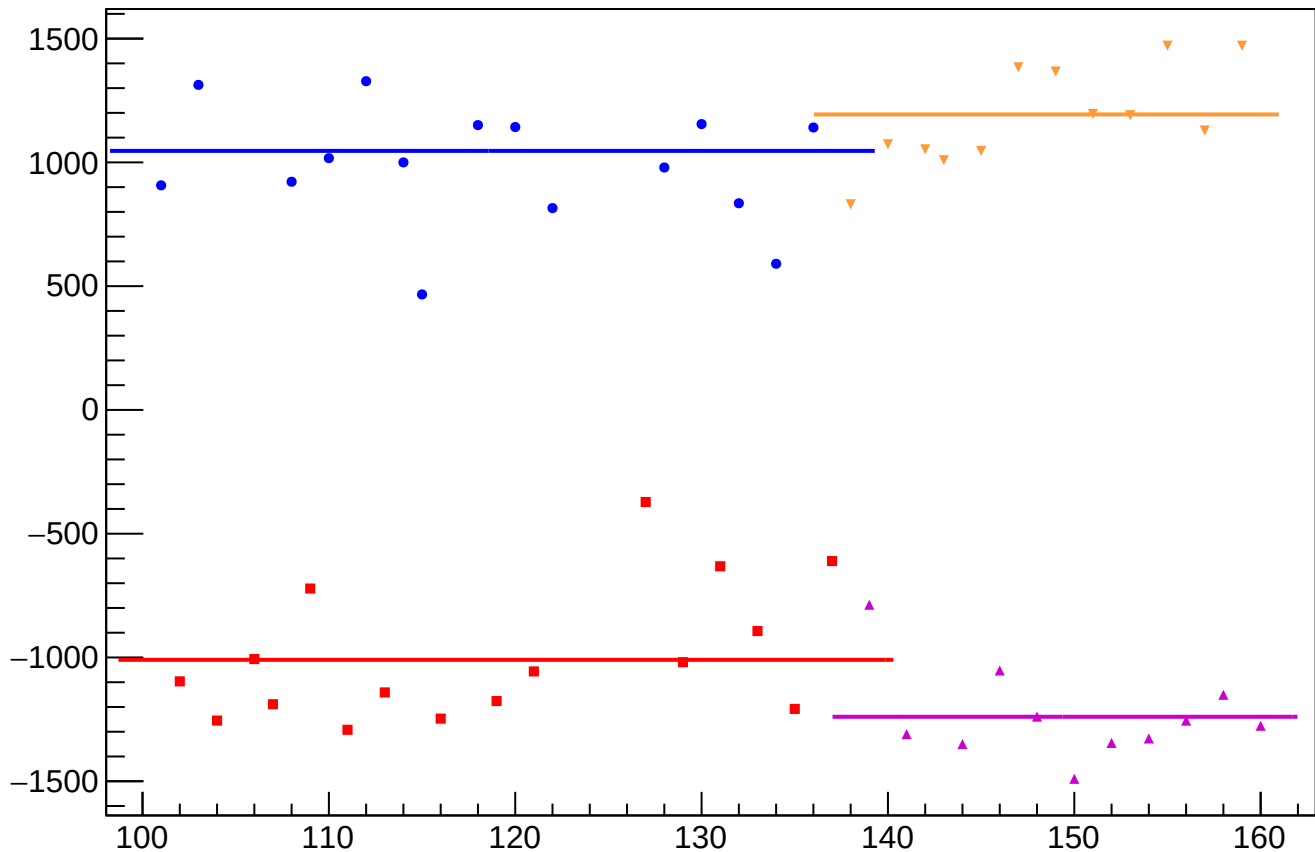
Right In: -10710.292+/-0.000 χ^2/NDF : 16945226152053511840482618402250170564608.0/14
 Left Out: -13705.488+/-0.000 χ^2/NDF : 138226511026527050662319693841079709204480.0/11
 Right Out: 10866.264+/-0.000 χ^2/NDF : 14234762838858382484525901644131626647552.0/15
 Left In: 18181.504+/-0.000 χ^2/NDF : 1643617183572647868818914289162838343680.0/10
 All: 1448.863+/-0.000 χ^2/NDF : 79476286142

dit_atl1_coil1_err_mean vs Slug, Sign Corrected



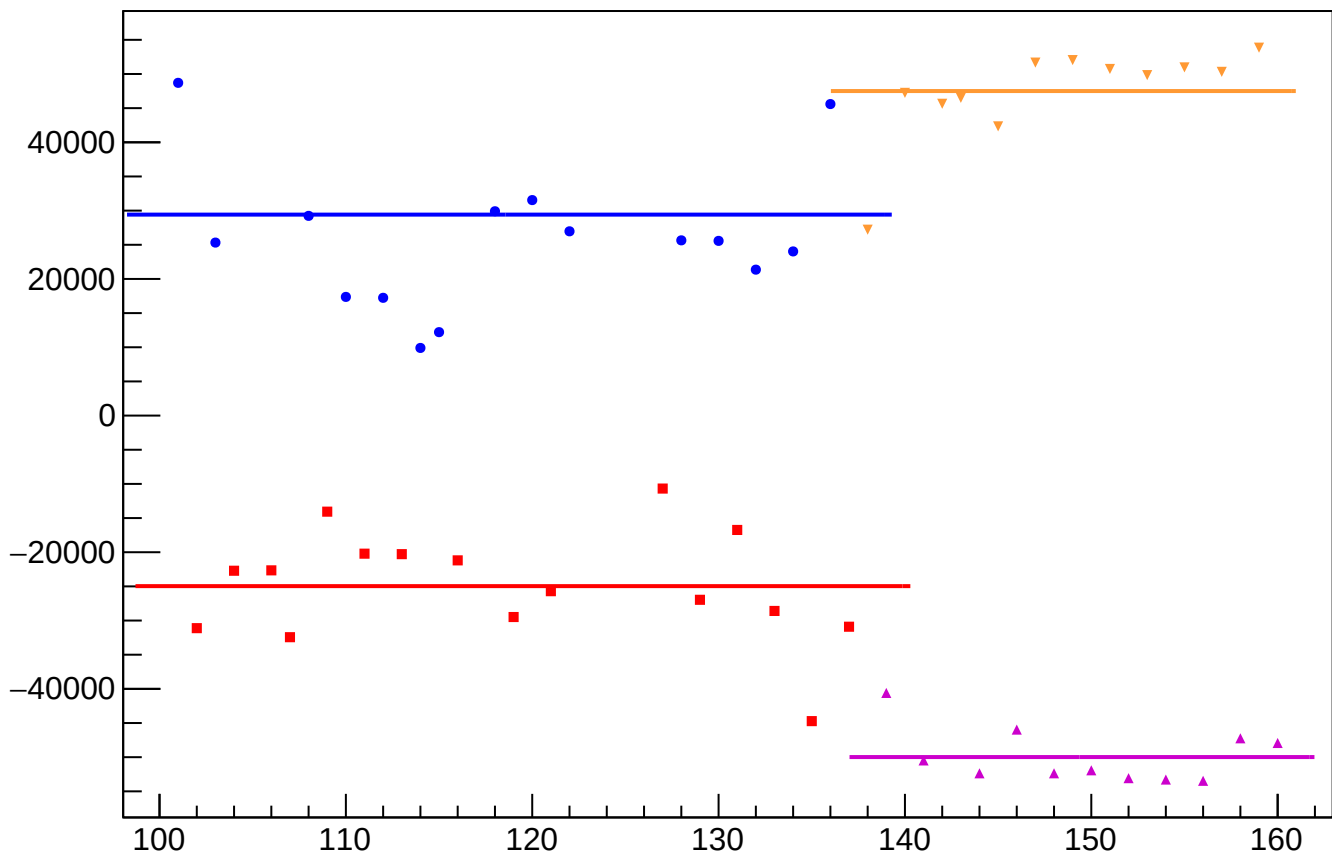
Right In: 687.939 ± 0.000 $\chi^2/\text{NDF}: 409297141104301509817753390759024787456.0/14$
 Left Out: 701.825 ± 0.000 $\chi^2/\text{NDF}: 29011752452264624264282448573098885120.0/11$
 Right Out: -1092.265 ± 0.000 $\chi^2/\text{NDF}: 1883198142929605813456233812946948456448.0/15$
 Left In: -722.743 ± 0.000 $\chi^2/\text{NDF}: 33693137116513948077860330410535288832.0/10$
 All: -97.785 ± 0.000 $\chi^2/\text{NDF}: 436080381727$

dit_atl1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_atl2_coil1_mean vs Slug, Sign Corrected



Right In: 29415.830+/-0.000

χ^2/NDF : 71764989638928082906774979753894809174016.0/14

Left Out: 47501.916+/-0.000

χ^2/NDF : 43591715334933801645565199836761766756352.0/11

Right Out: -24963.010+/-0.000

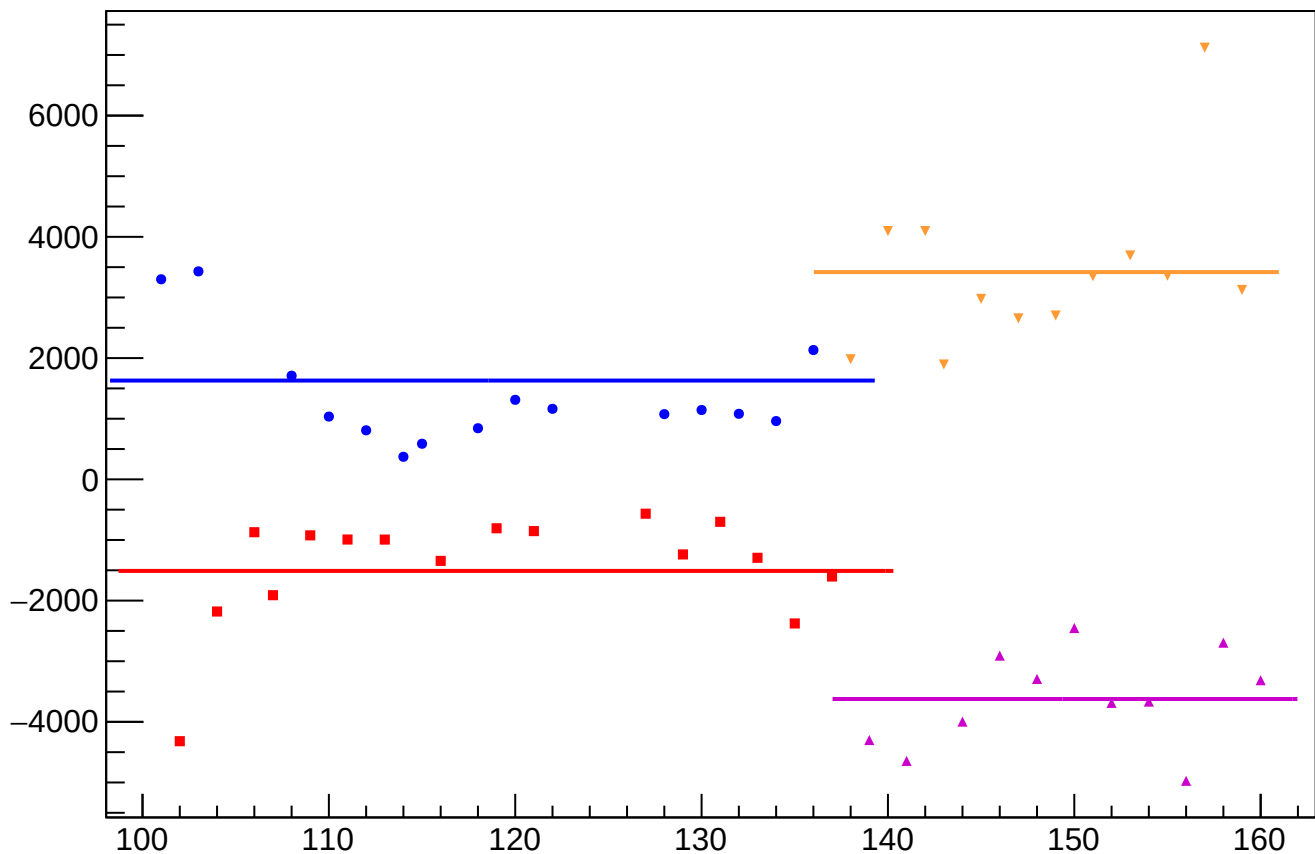
χ^2/NDF : 45631572920122171972835961685494315614208.0/15

Left In: -49982.063+/-0.000

χ^2/NDF : 13505821019305603846121121344717970210816.0/10

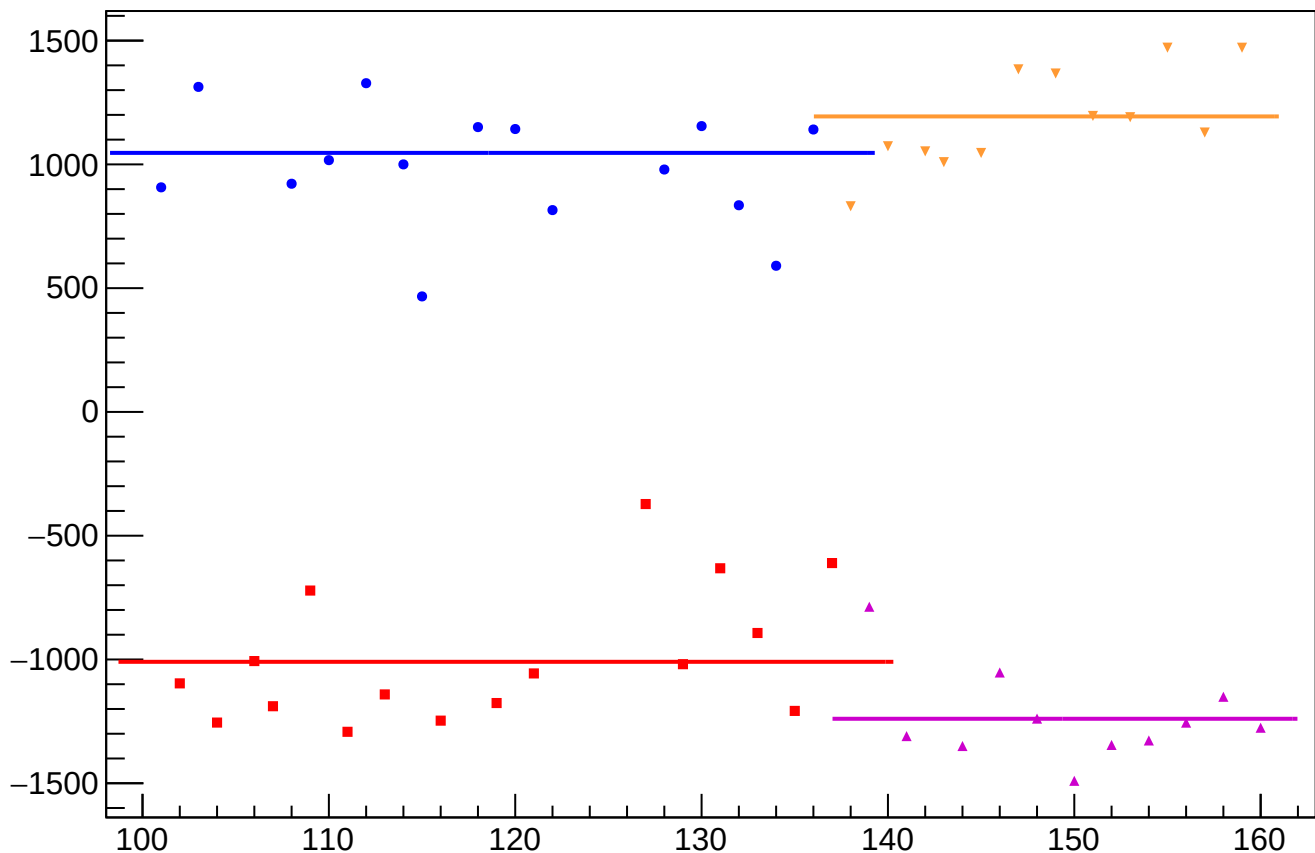
All: -103.402+/-0.000 χ^2/NDF : 55223983268

dit_atl2_coil1_err_mean vs Slug, Sign Corrected



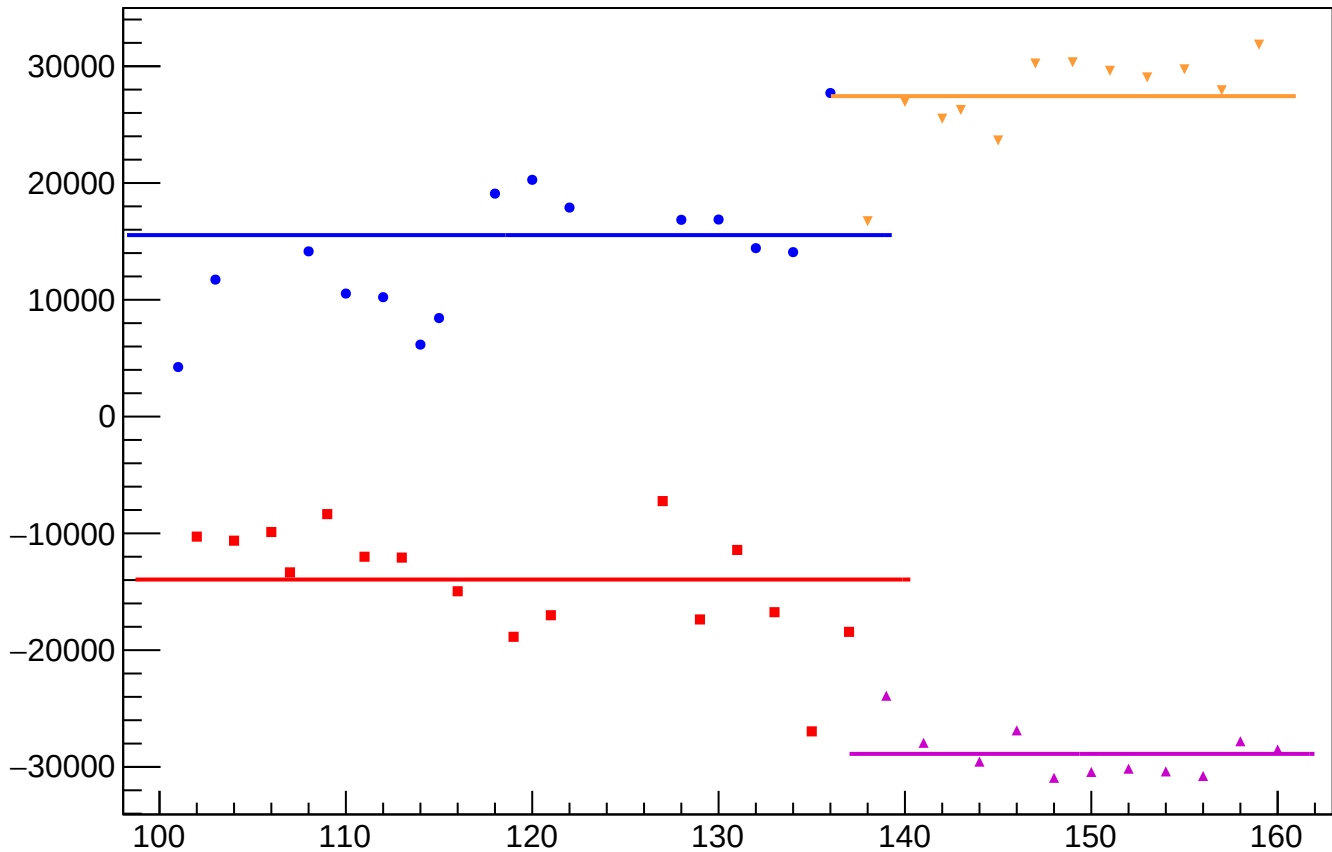
Right In: 1629.542 $\pm$ 0.000 χ^2 /NDF: 551738555355028902194697896437152219136.0/14
 Left Out: 3418.927 $\pm$ 0.000 χ^2 /NDF: 1575515144069936231955966928879934767104.0/11
 Right Out: -1510.293 $\pm$ 0.000 χ^2 /NDF: 688231904046816211321774524619745656832.0/15
 Left In: -3623.095 $\pm$ 0.000 χ^2 /NDF: 537714450371269509719141411292840984576.0/10
 All: -54.735 $\pm$ 0.000 χ^2 /NDF: 294015037802

dit_atl2_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_atr1_coil1_mean vs Slug, Sign Corrected



Right In: 15540.787+/-0.000

χ^2/NDF : 27383635886523601832377795383509714468864.0/14

Left Out: 27439.616+/-0.000

χ^2/NDF : 14247025908871725813351088668818926469120.0/11

Right Out: -13951.799+/-0.000

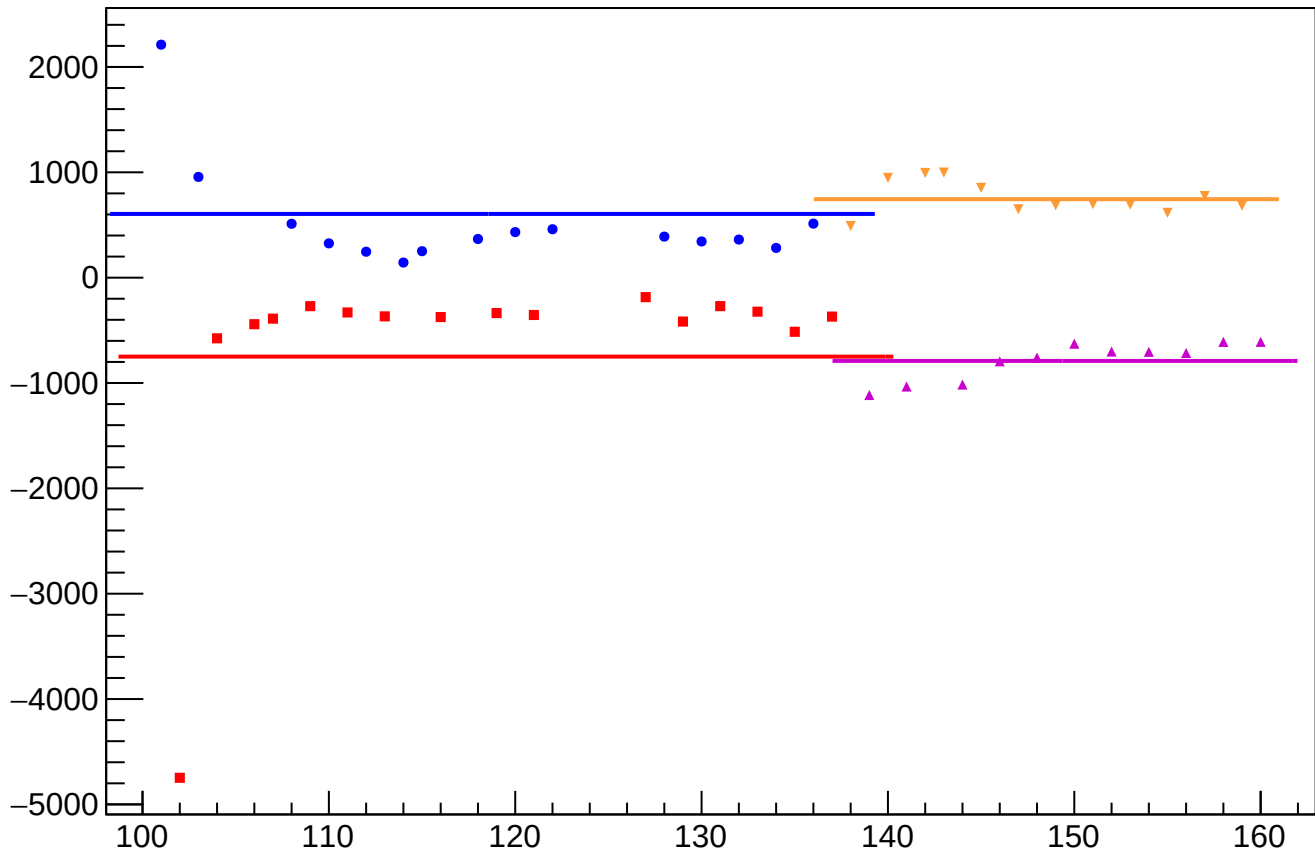
χ^2/NDF : 16954071035739584664612813430748100952064.0/15

Left In: -28881.771+/-0.000

χ^2/NDF : 3761764043421234560623243625754374701056.0/10

All: -262.152+/-0.000 χ^2/NDF : 18076481618

dit_atr1_coil1_err_mean vs Slug, Sign Corrected



Right In: 605.034 +/- 0.000

χ^2/NDF : 189401522791607614448600157723362852864.0/14

Left Out: 744.985 +/- 0.000

χ^2/NDF : 19571453984278961719936247870544412672.0/11

Right Out: -749.582 +/- 0.000

χ^2/NDF : 1021358768377495935693748779804344188928.0/15

Left In: -790.283 +/- 0.000

χ^2/NDF : 27375995163011560101349166949437800448.0/10

Left: -26.826 +/- 0.000 χ^2/NDF : 1129978912753072

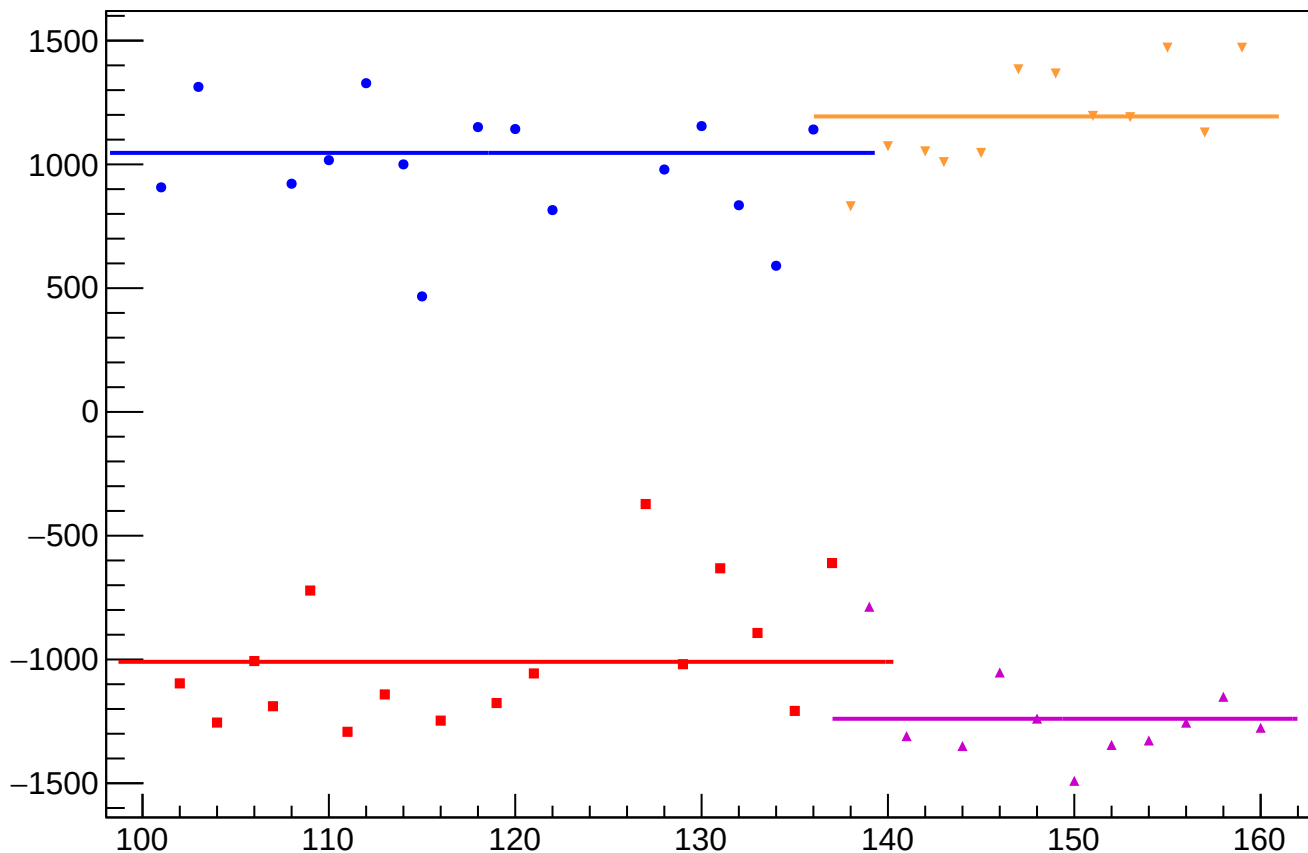
Right: -81.538 +/- 0.000 χ^2/NDF : 181435748538570

In: -214.593 +/- 0.000 χ^2/NDF : 9589997746321814

Out: 114.449 +/- 0.000 χ^2/NDF : 1902262791506616

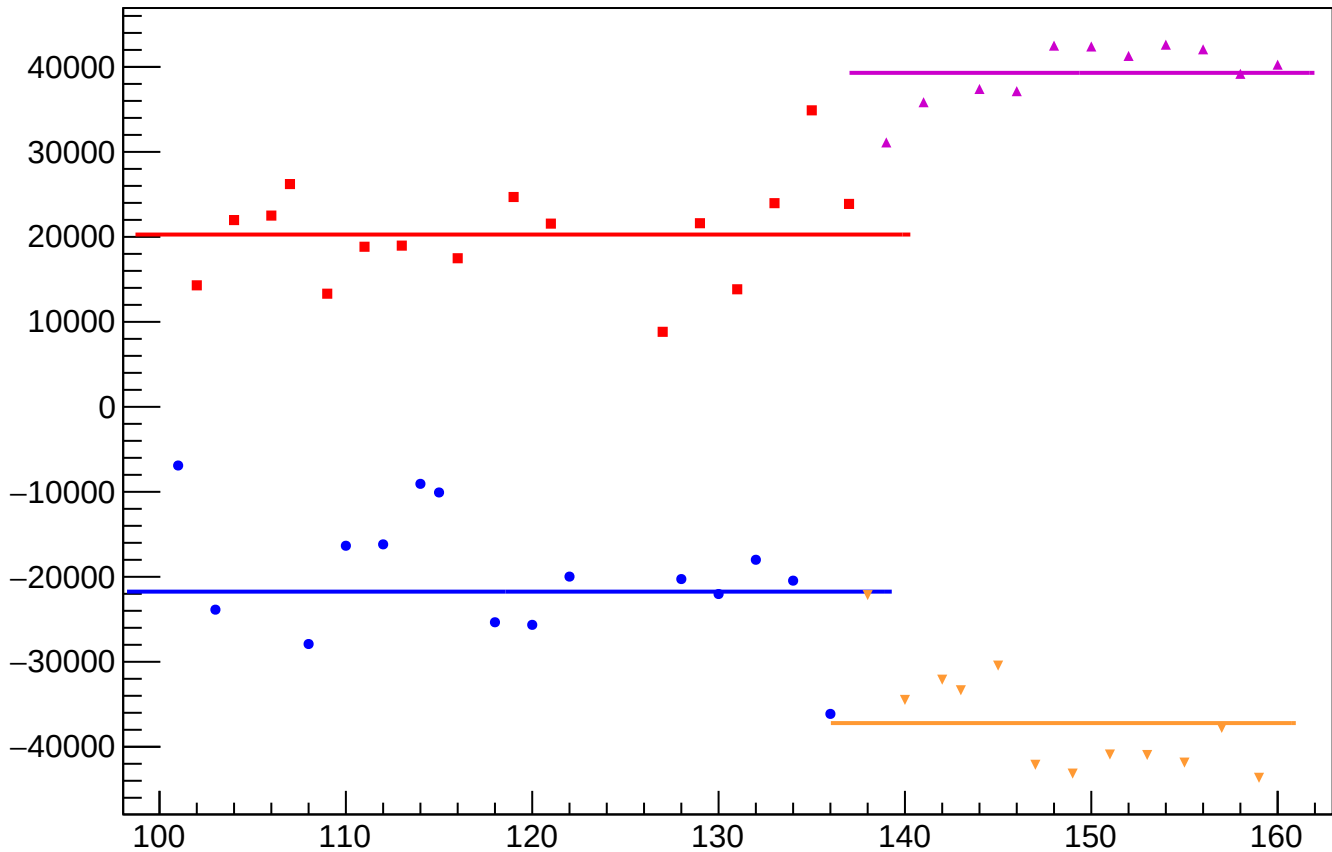
All: -49.654 +/- 0.000 χ^2/NDF : 294663207457

dit_atr1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_atr2_coil1_mean vs Slug, Sign Corrected



Right In: -21743.360+/-0.000

Left Out: -37210.761+/-0.000

Right Out: 20275.415+/-0.000

Left In: 39301.203+/-0.000

χ^2/NDF : 41106858823579527325198675675398793068544.0/14

χ^2/NDF : 36234813568101266501920845904945520574464.0/11

χ^2/NDF : 25935869132092920231681532417627320745984.0/15

χ^2/NDF : 10890557195828480655850873156116452212736.0/10

Left: 1253.360+/-0.000 χ^2/NDF : 273699578436603

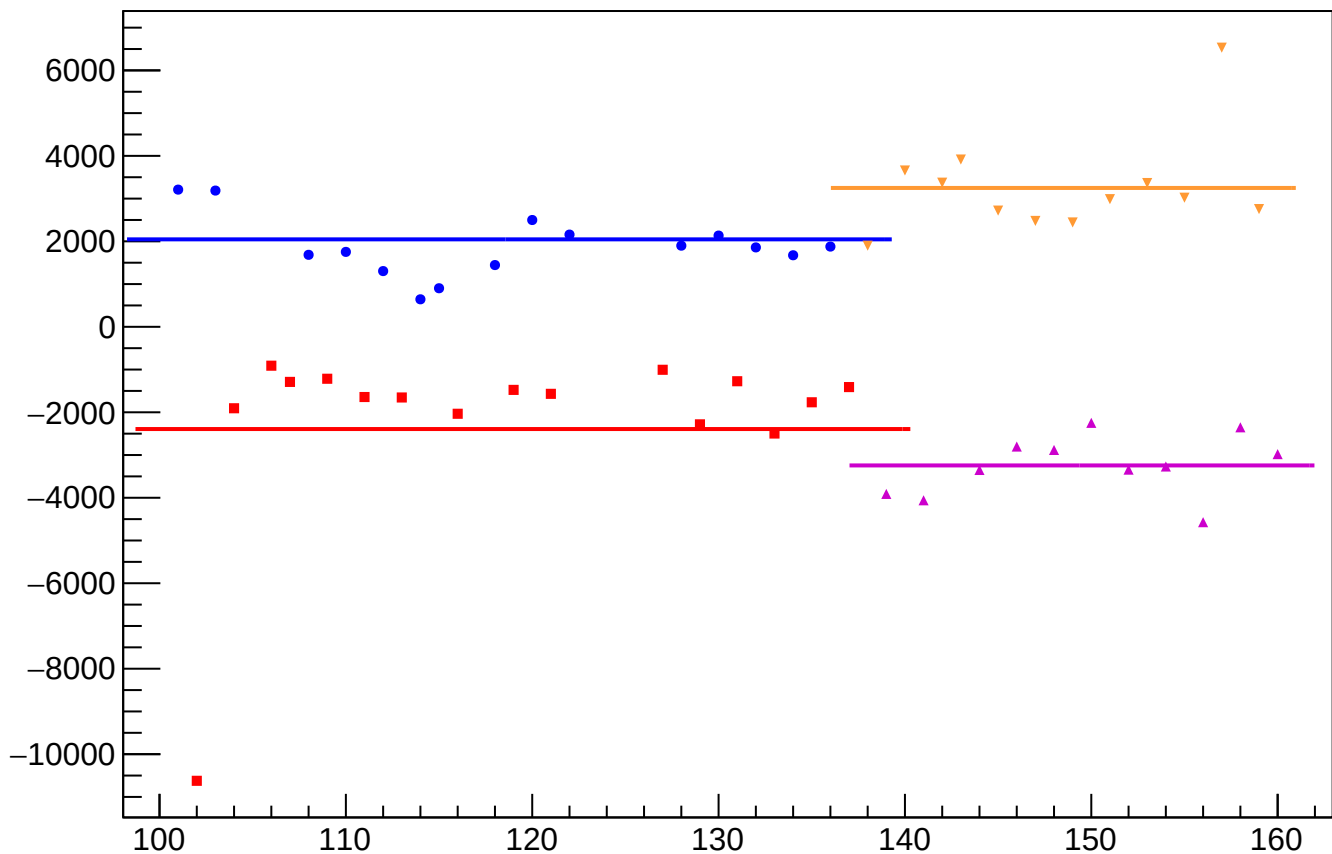
Right: -446.610+/-0.000 χ^2/NDF : 64780902874572

In: 14114.985+/-0.000 χ^2/NDF : 147263048816292

Out: -12958.212+/-0.000 χ^2/NDF : 1336456927560

All: 544.051+/-0.000 χ^2/NDF : 338702108163

dit_atr2_coil1_err_mean vs Slug, Sign Corrected



Right In: 2046.354+/-0.000

χ^2/NDF : 266555515927348892036833058355226345472.0/14

Left Out: 3249.314+/-0.000

χ^2/NDF : 1190726211956001849078073092083852247040.0/11

Right Out: -2391.939+/-0.000

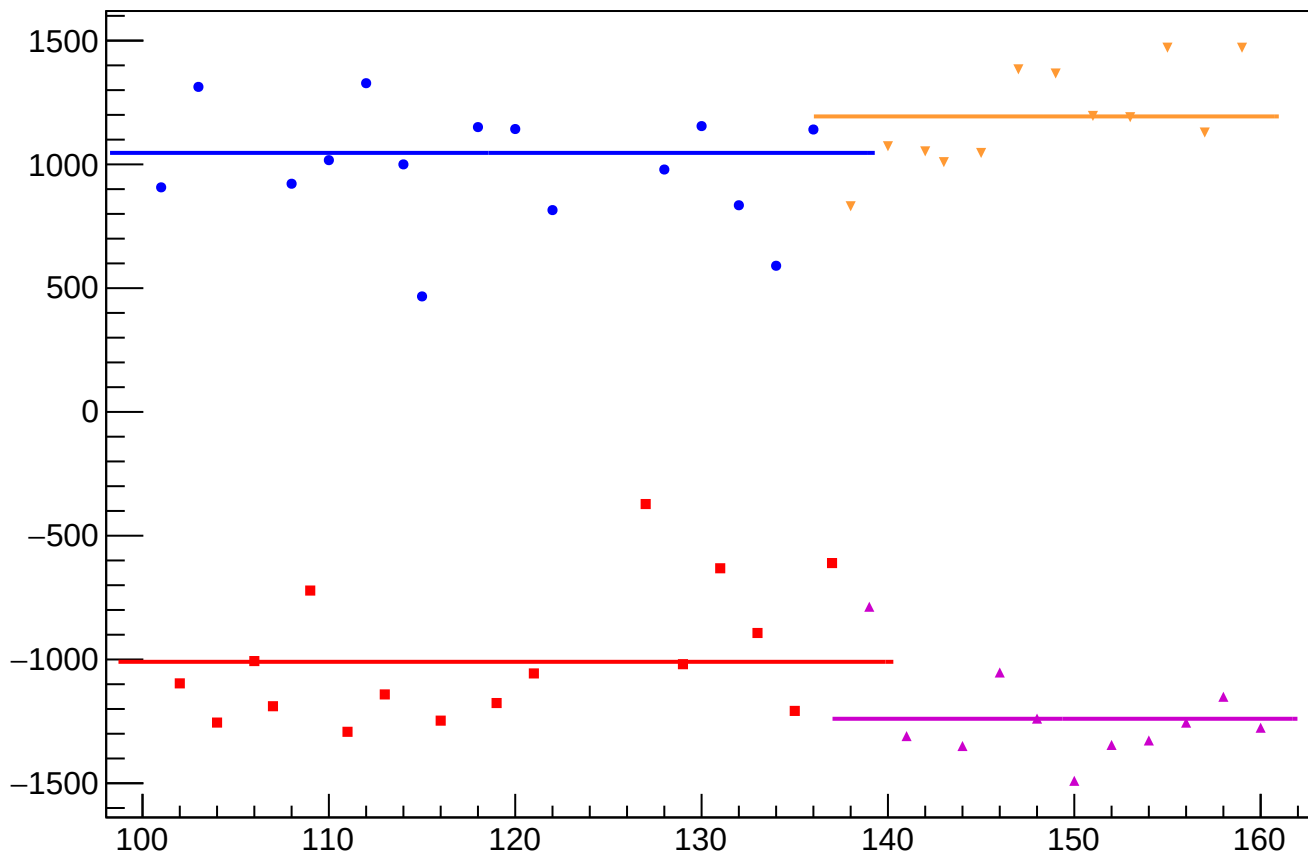
χ^2/NDF : 4415294964789778815259357544579499819008.0/15

Left In: -3243.479+/-0.000

χ^2/NDF : 422752345809564414875941115453230809088.0/10

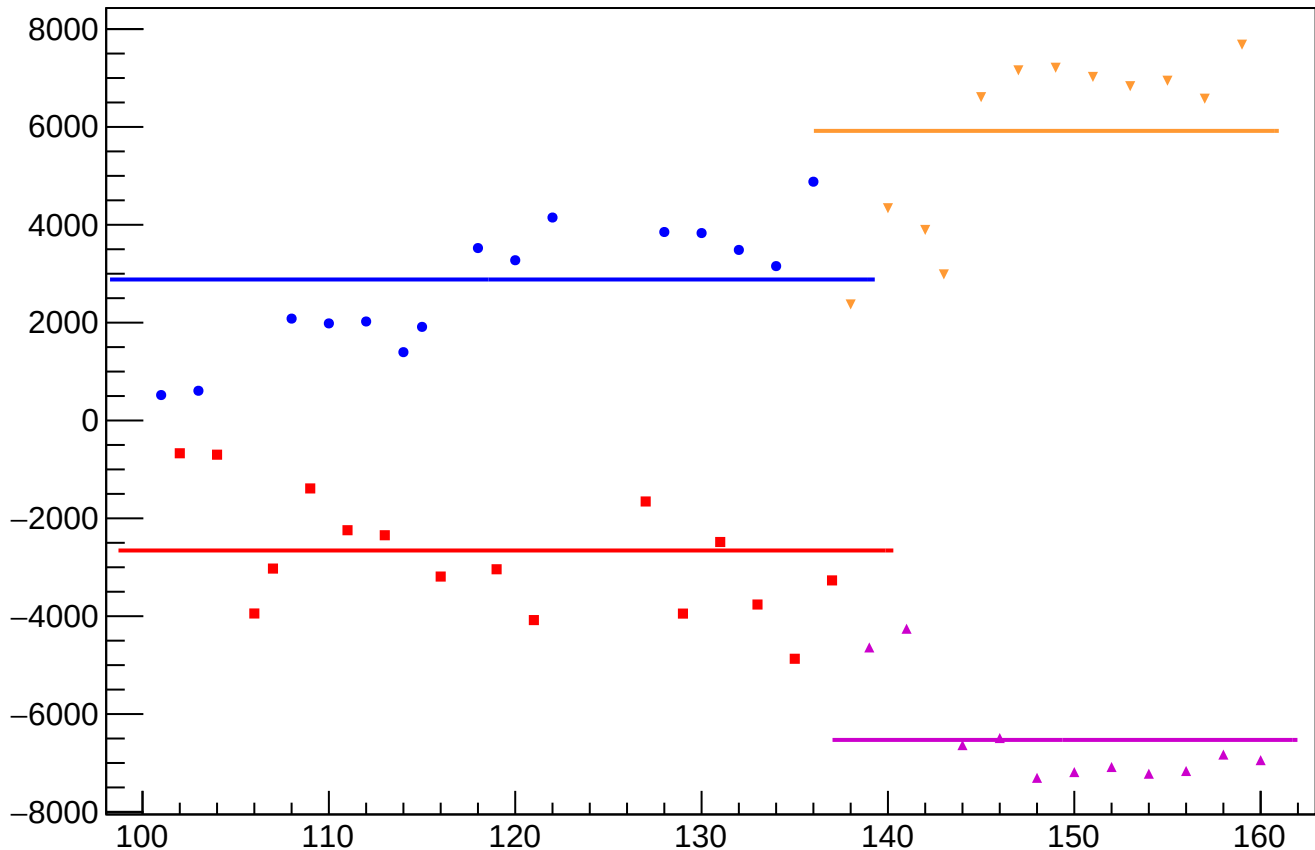
All: -93.355+/-0.000 χ^2/NDF : 321724014891

dit_atr2_coil1_Ndata_mean vs Slug, Sign Corrected



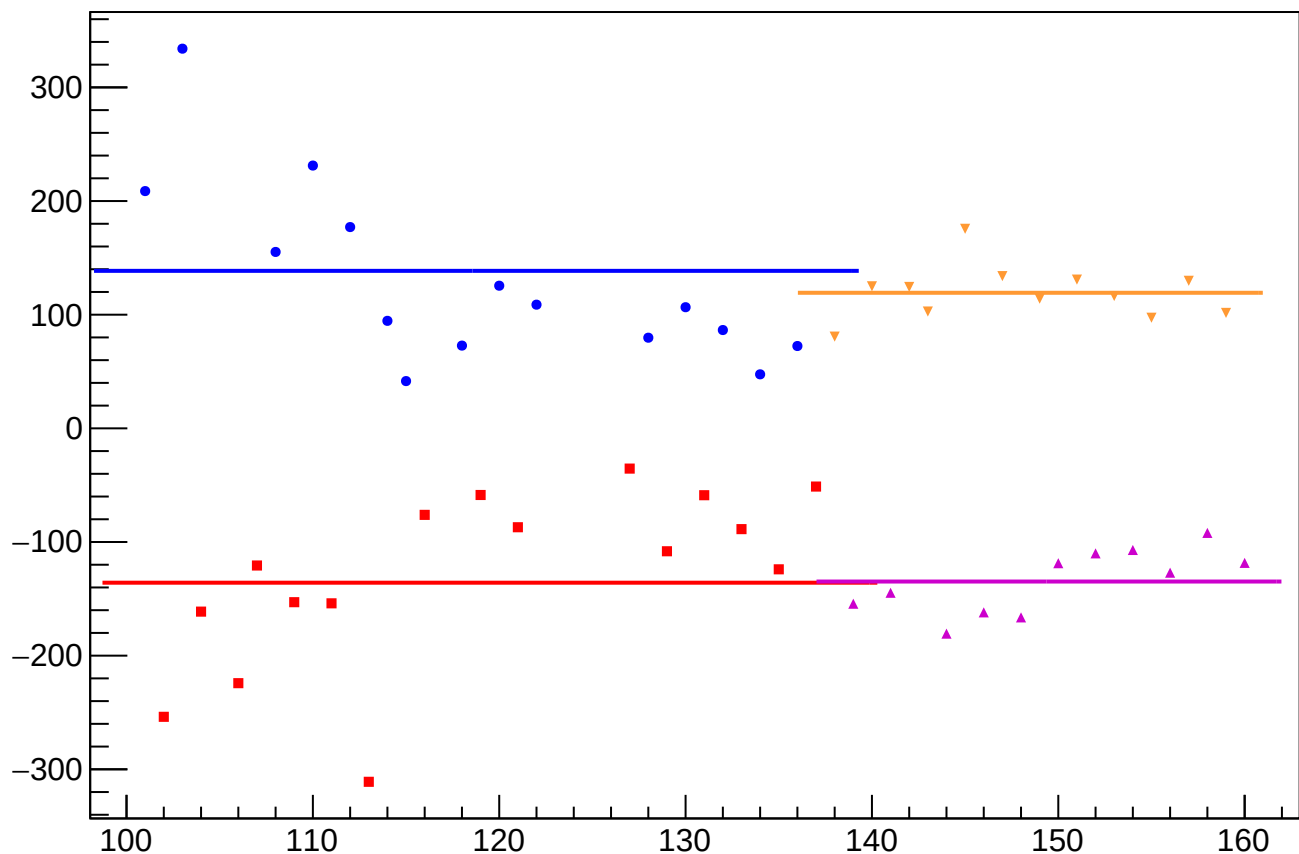
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam1_coil1_mean vs Slug, Sign Corrected



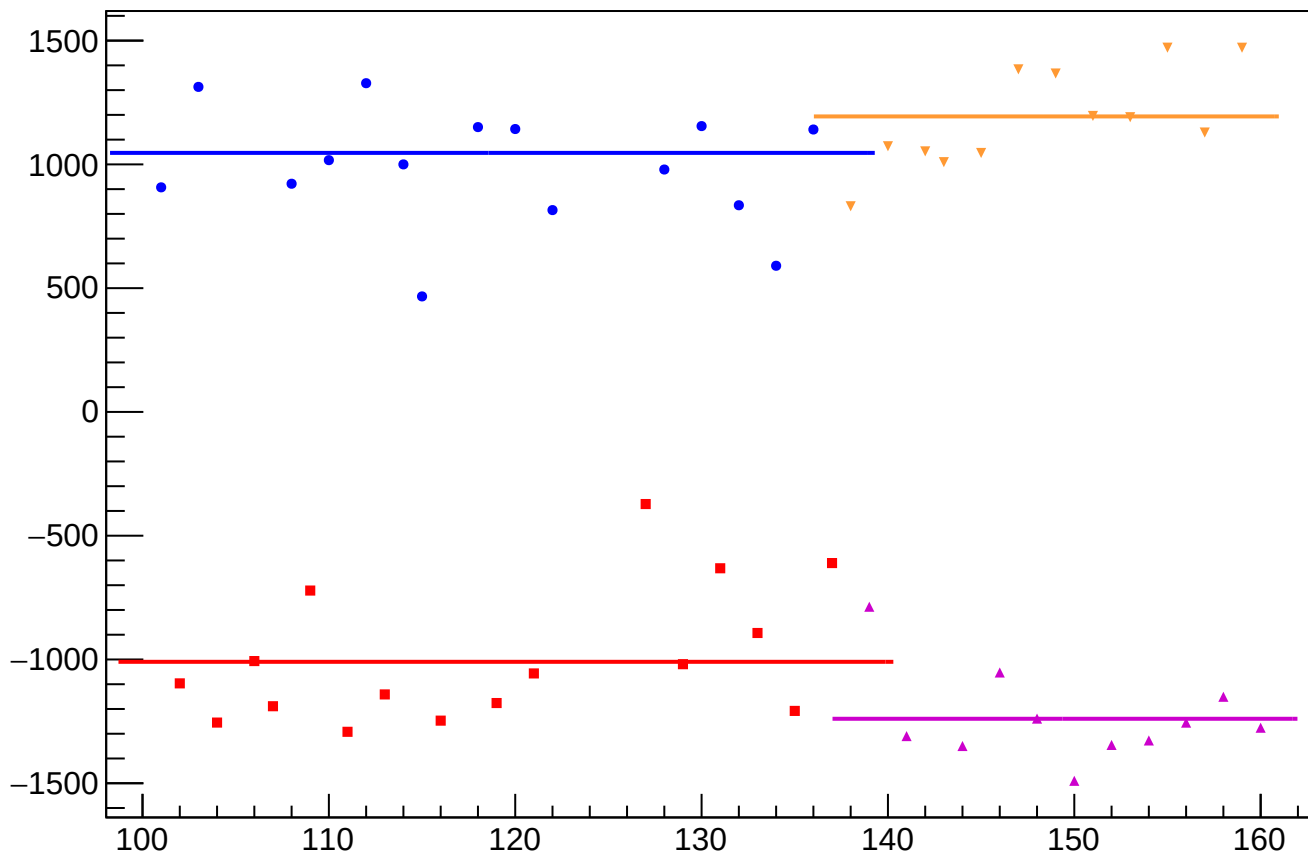
Right In: 2881.935+/-0.000 χ^2/NDF : 1320319391496525533692082365878834823168.0/14
 Left Out: 5919.511+/-0.000 χ^2/NDF : 2779072700024845827027981240176985767936.0/11
 Right Out: -2656.918+/-0.000 χ^2/NDF : 1077696846216053561130716877125509447680.0/15
 Left In: -6528.681+/-0.000 χ^2/NDF : 940619832290547661204641528694924378112.0/10
 All: -166.093+/-0.000 χ^2/NDF : 87540894065

dit_sam1_coil1_err_mean vs Slug, Sign Corrected



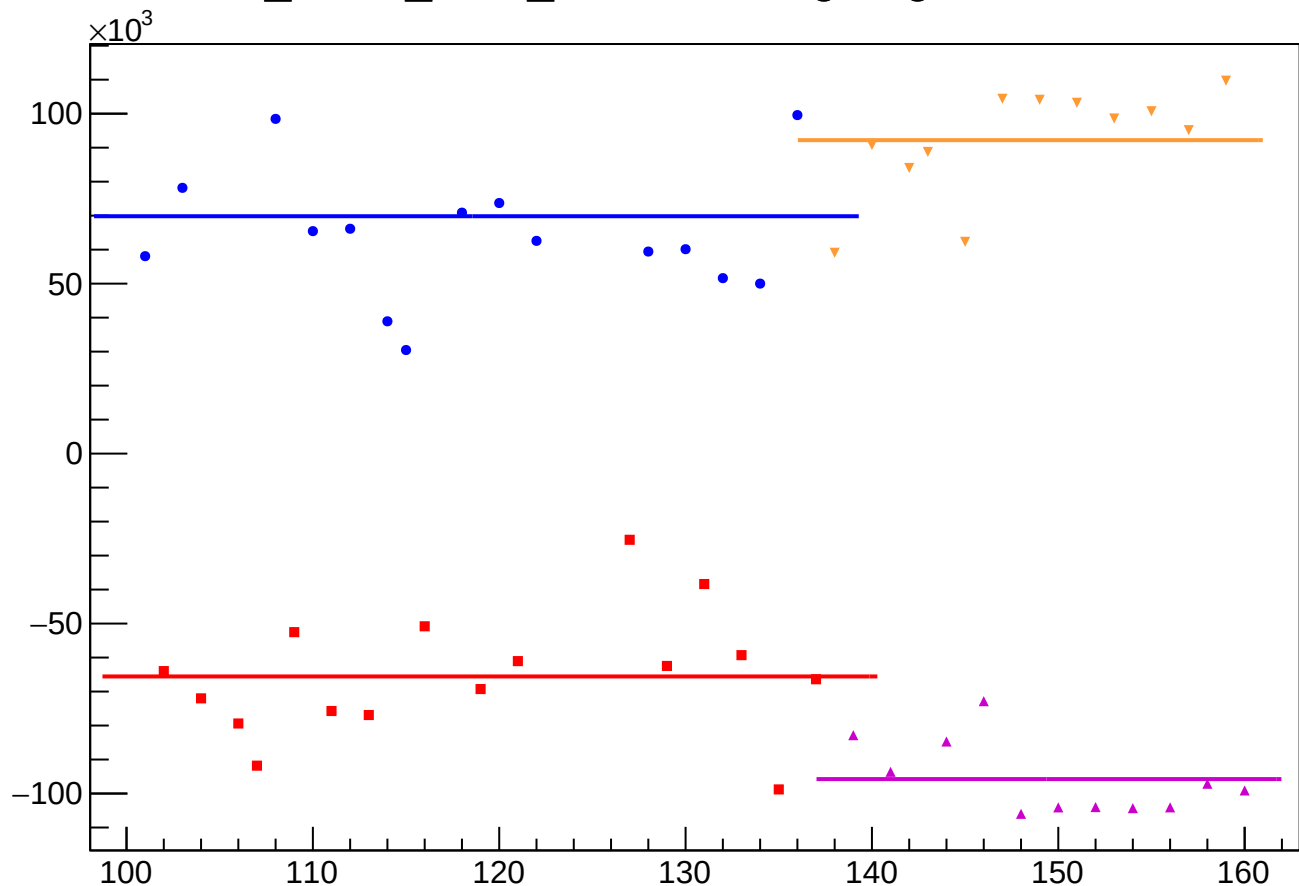
Left: -8.443 +/- 0.000 χ^2/NDF : 30837594704815501
 Right In: 138.577 +/- 0.000 χ^2/NDF : 4242369889979811373883774021335515136.0/14
 Right: -0.492 +/- 0.000 χ^2/NDF : 3296375379571767
 Left Out: 119.282 +/- 0.000 χ^2/NDF : 487845779395217879153815293985292288.0/11
 In: -21.999 +/- 0.000 χ^2/NDF : 33420435655866245
 Right Out: -135.809 +/- 0.000 χ^2/NDF : 3956401741862524263243160868173643776.0/15
 Out: 11.663 +/- 0.000 χ^2/NDF : 29535896090786564
 Left In: -134.785 +/- 0.000 χ^2/NDF : 689808602632315539029860685392642048.0/10
 All: -5.125 +/- 0.000 χ^2/NDF : 6384982584601

dit_sam1_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam2_coil1_mean vs Slug, Sign Corrected



Right In: 69827.797 $\pm$ 0.000

χ^2 /NDF: 187803282116493131197684060541288926150656.0/14

Left Out: 92210.698 $\pm$ 0.000

χ^2 /NDF: 226577476657807585202083767685360289579008.0/11

Right Out: -65555.147 $\pm$ 0.000

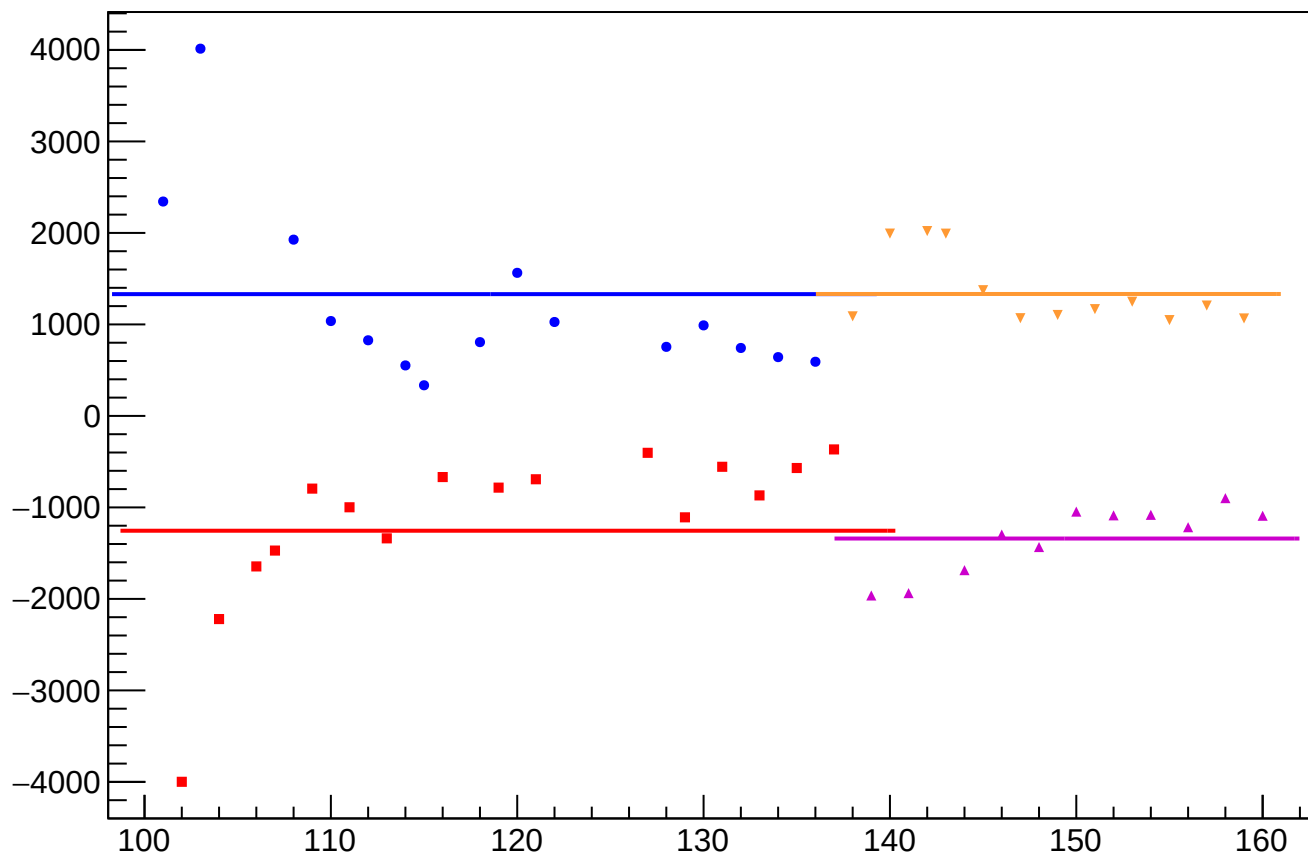
χ^2 /NDF: 212001467811386750910625783195999741673472.0/15

Left In: -95749.411 $\pm$ 0.000

χ^2 /NDF: 102376761881530271427340284738693826084864.0/10

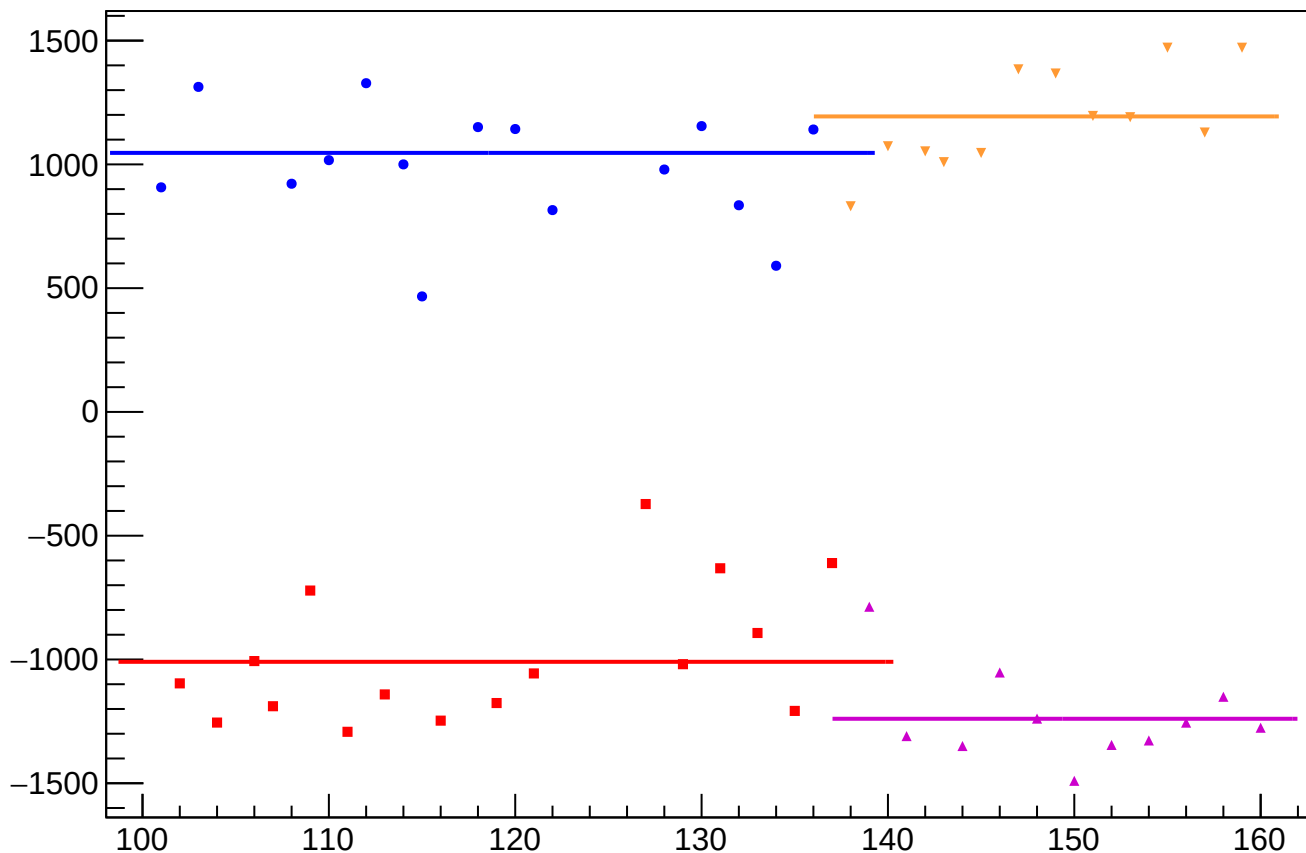
All: -824.008 $\pm$ 0.000 χ^2 /NDF: 23000264296

dit_sam2_coil1_err_mean vs Slug, Sign Corrected



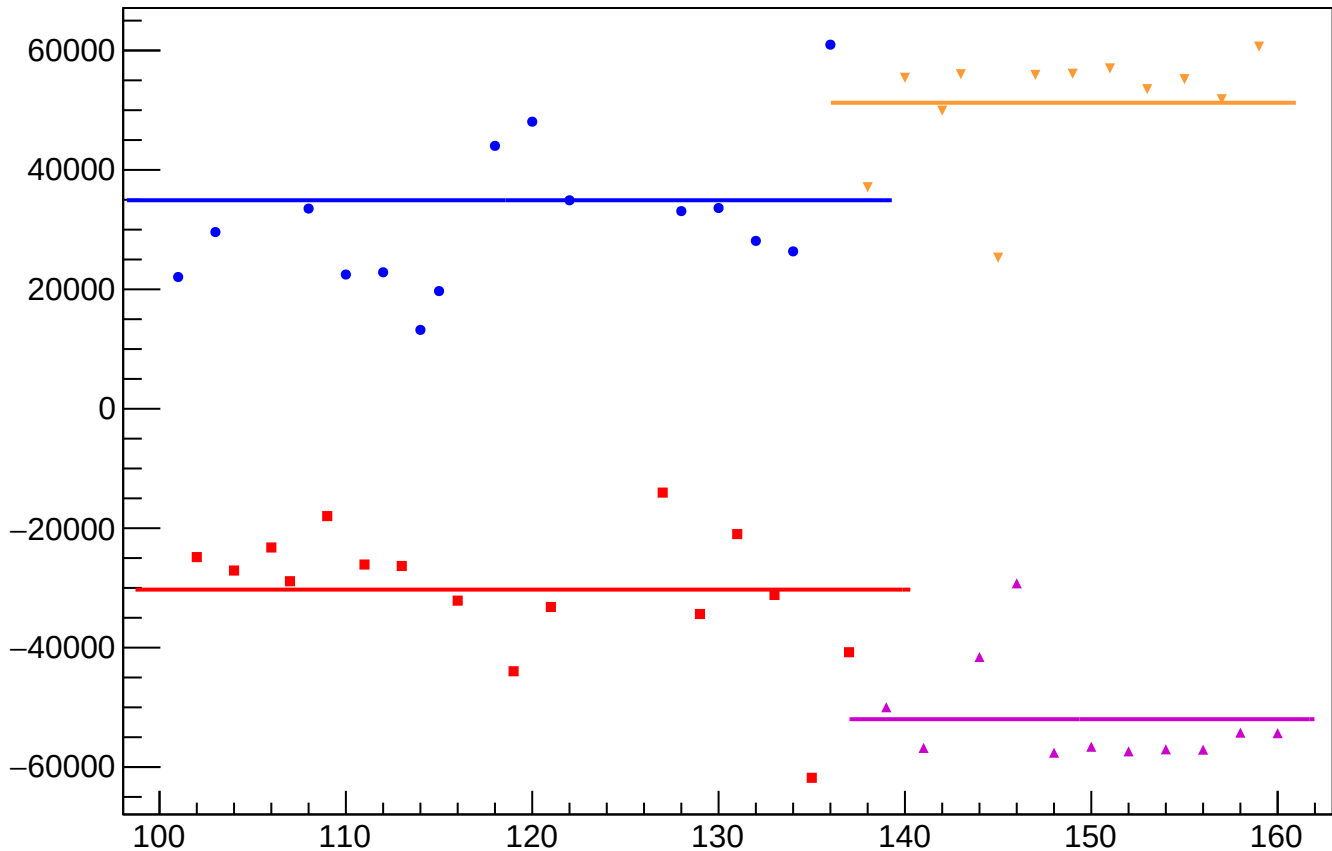
Right In: 1330.956+/-0.000 χ^2/NDF : 649481263842681659449409147059572834304.0/14
 Left Out: 1332.669+/-0.000 χ^2/NDF : 117488793251165999850417206895273050112.0/11
 Right Out: -1254.871+/-0.000 χ^2/NDF : 632140068983304062809817716800861765632.0/15
 Left In: -1340.185+/-0.000 χ^2/NDF : 11420491168201277023830767366477709312.0/10
 All: 2.067+/-0.000 χ^2/NDF : 69961590530550

dit_sam2_coil1_Ndata_mean vs Slug, Sign Corrected



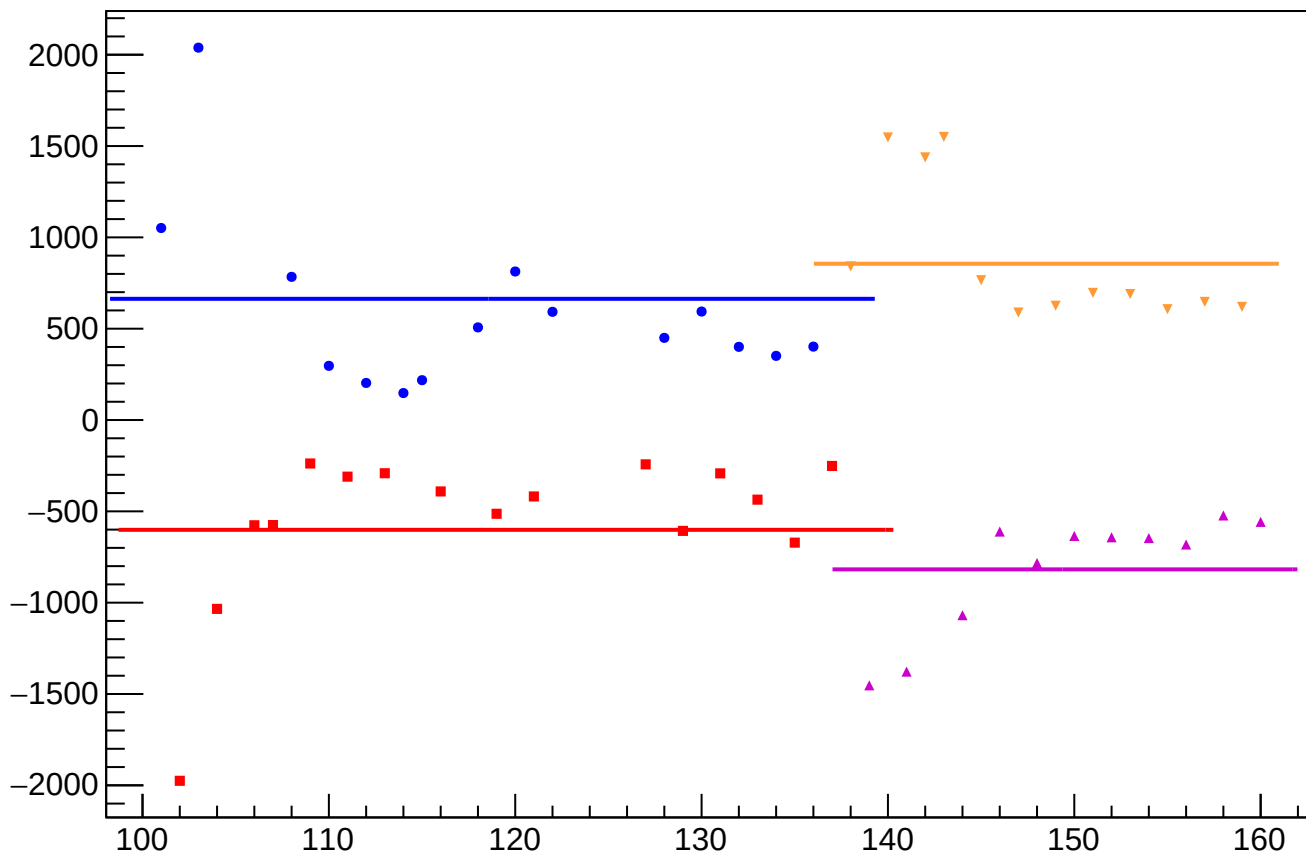
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam3_coil1_mean vs Slug, Sign Corrected



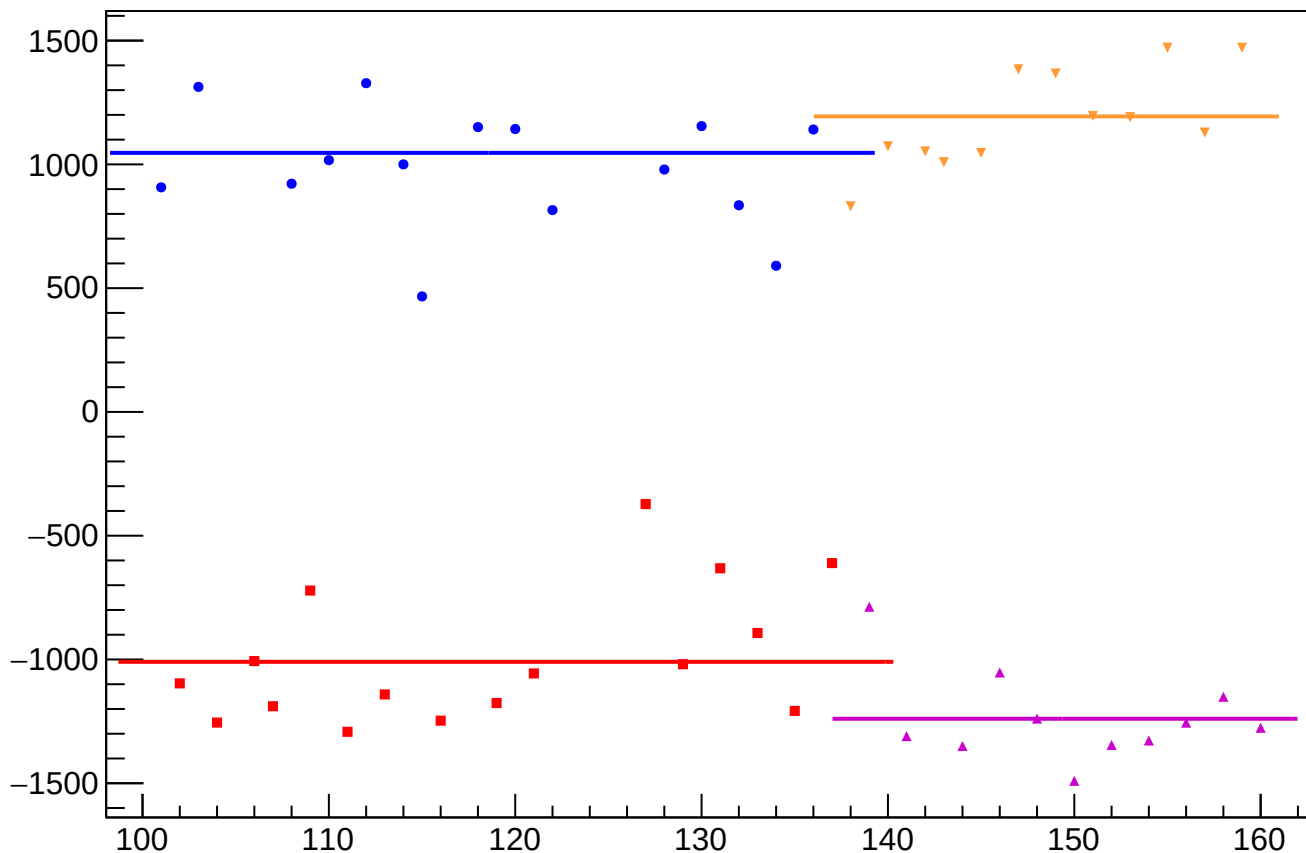
Right In: 34919.716+/-0.000 χ^2/NDF : 106387385440718622155122541848729997017088.0/14
 Left Out: 51246.568+/-0.000 χ^2/NDF : 86168540614102445062046954668602534395904.0/11
 Right Out: -30282.373+/-0.000 χ^2/NDF : 88346165266593126627598951693506073067520.0/15
 Left In: -51985.374+/-0.000 χ^2/NDF : 67172587579518863379504132116294676774912.0/10
 All: 402.483+/-0.000 χ^2/NDF : 664804674092

dit_sam3_coil1_err_mean vs Slug, Sign Corrected



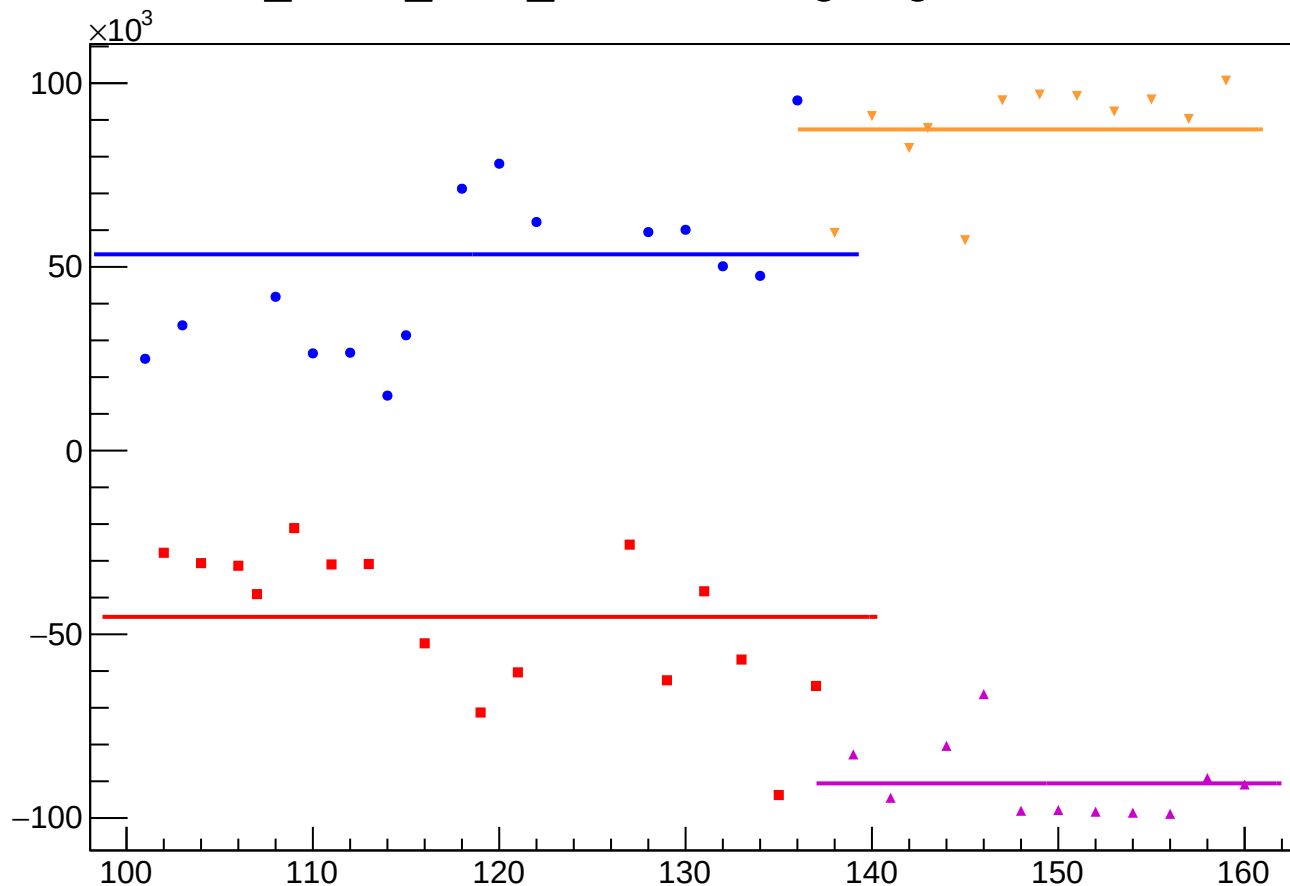
Left: 14.433 +/- 0.000 χ^2/NDF : 14918307802218483
 Right: 22.529 +/- 0.000 χ^2/NDF : 8336101395091641
 In: -206.520 +/- 0.000 χ^2/NDF : 1084558135298016
 Out: 241.007 +/- 0.000 χ^2/NDF : 1083013180112686
 All: 17.811 +/- 0.000 χ^2/NDF : 2325491183866

dit_sam3_coil1_Ndata_mean vs Slug, Sign Corrected



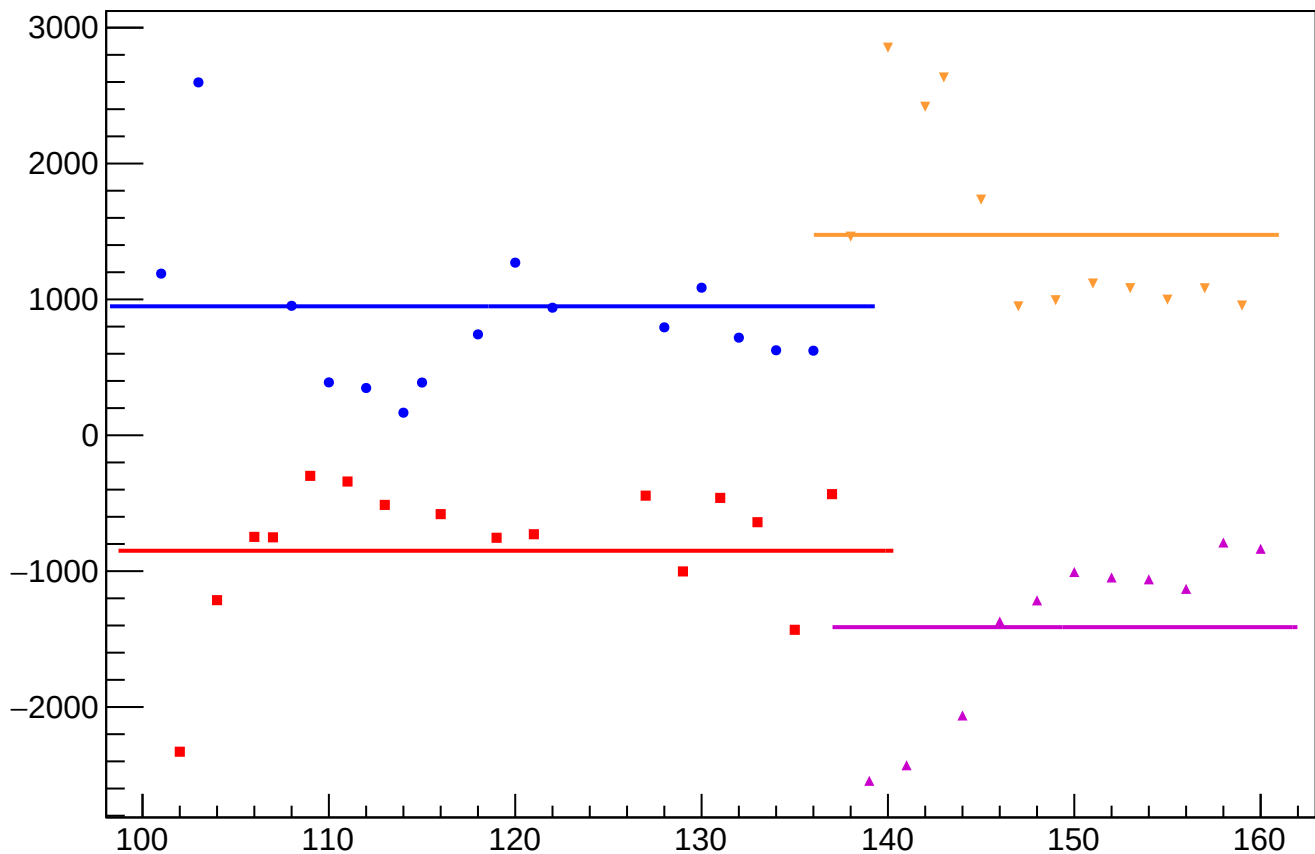
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam4_coil1_mean vs Slug, Sign Corrected



Right In: 53422.452+/-0.000 χ^2/NDF : 360635757315133800133751123167777346551808.0/14
 Left Out: 87421.965+/-0.000 χ^2/NDF : 176009447933973172298765808269588074332160.0/11
 Right Out: -45247.617+/-0.000 χ^2/NDF : 286060196488034430215784613374055547928576.0/15
 Left In: -90573.760+/-0.000 χ^2/NDF : 90574081394354221593949262312406685581312.0/10
 All: 223.377+/-0.000 χ^2/NDF : 186963897473

dit_sam4_coil1_err_mean vs Slug, Sign Corrected



Right In: 949.197+/-0.000

χ^2/NDF : 225691032183153732733308094067658194944.0/14

Left Out: 1474.996+/-0.000

χ^2/NDF : 407776279141254062636078508853738602496.0/11

Right Out: -849.827+/-0.000

χ^2/NDF : 204622224261577247702227312745197338624.0/15

Left In: -1412.186+/-0.000

χ^2/NDF : 332529390934897118157875972661756035072.0/10

Left: 23.551+/-0.000 χ^2/NDF : 45705013574232363

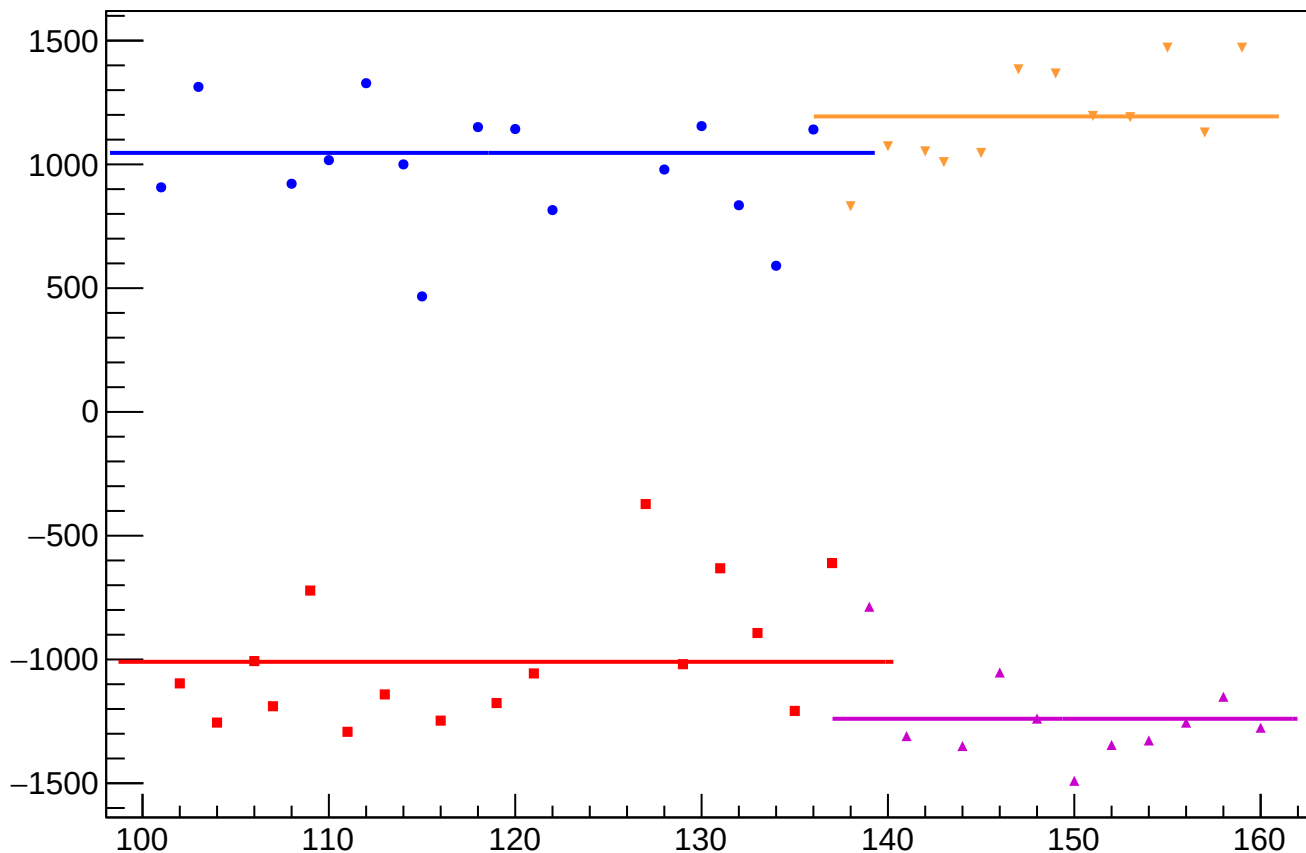
Right: 37.382+/-0.000 χ^2/NDF : 1494917928354426

In: -437.909+/-0.000 χ^2/NDF : 2684013086565036

Out: 494.188+/-0.000 χ^2/NDF : 2696503915470133

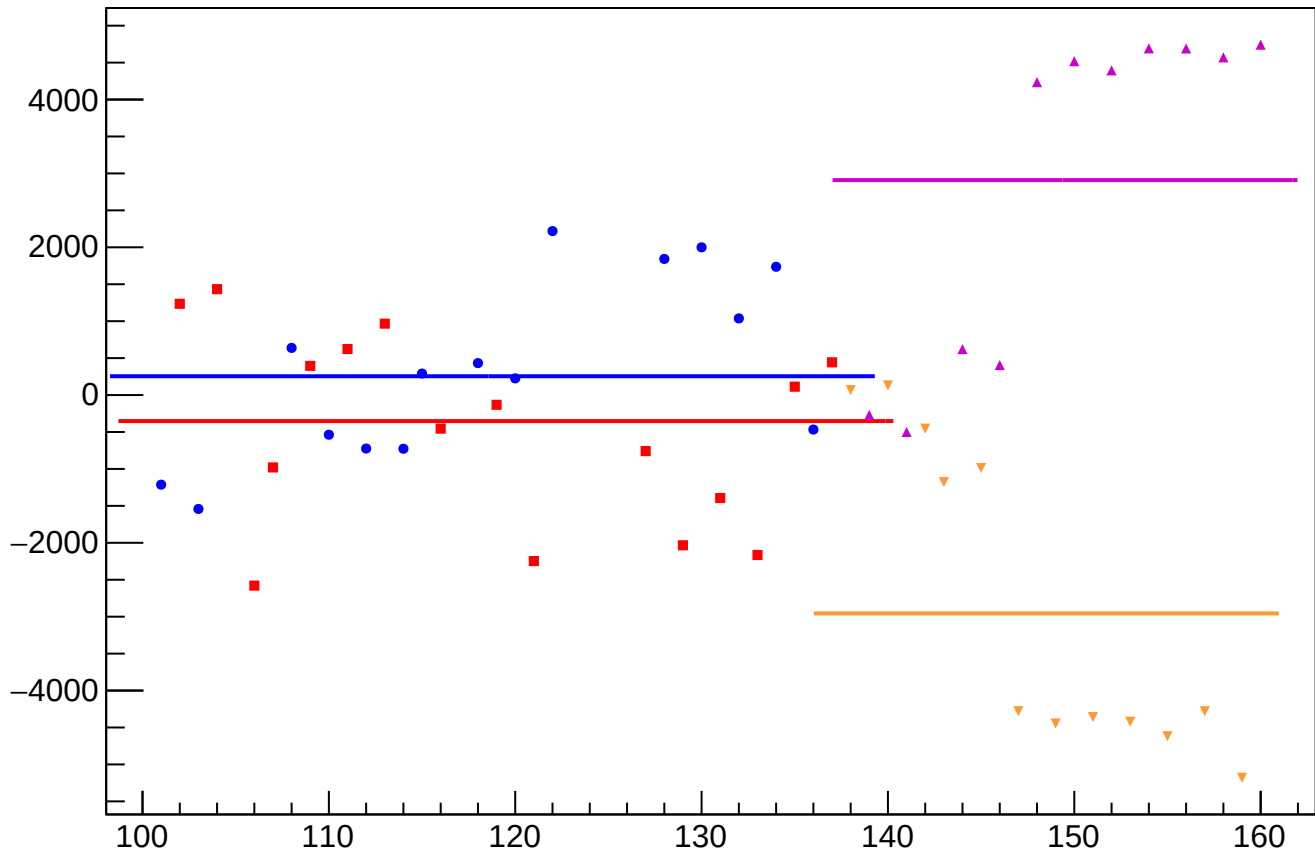
All: 29.322+/-0.000 χ^2/NDF : 6065565997163

dit_sam4_coil1_Ndata_mean vs Slug, Sign Corrected



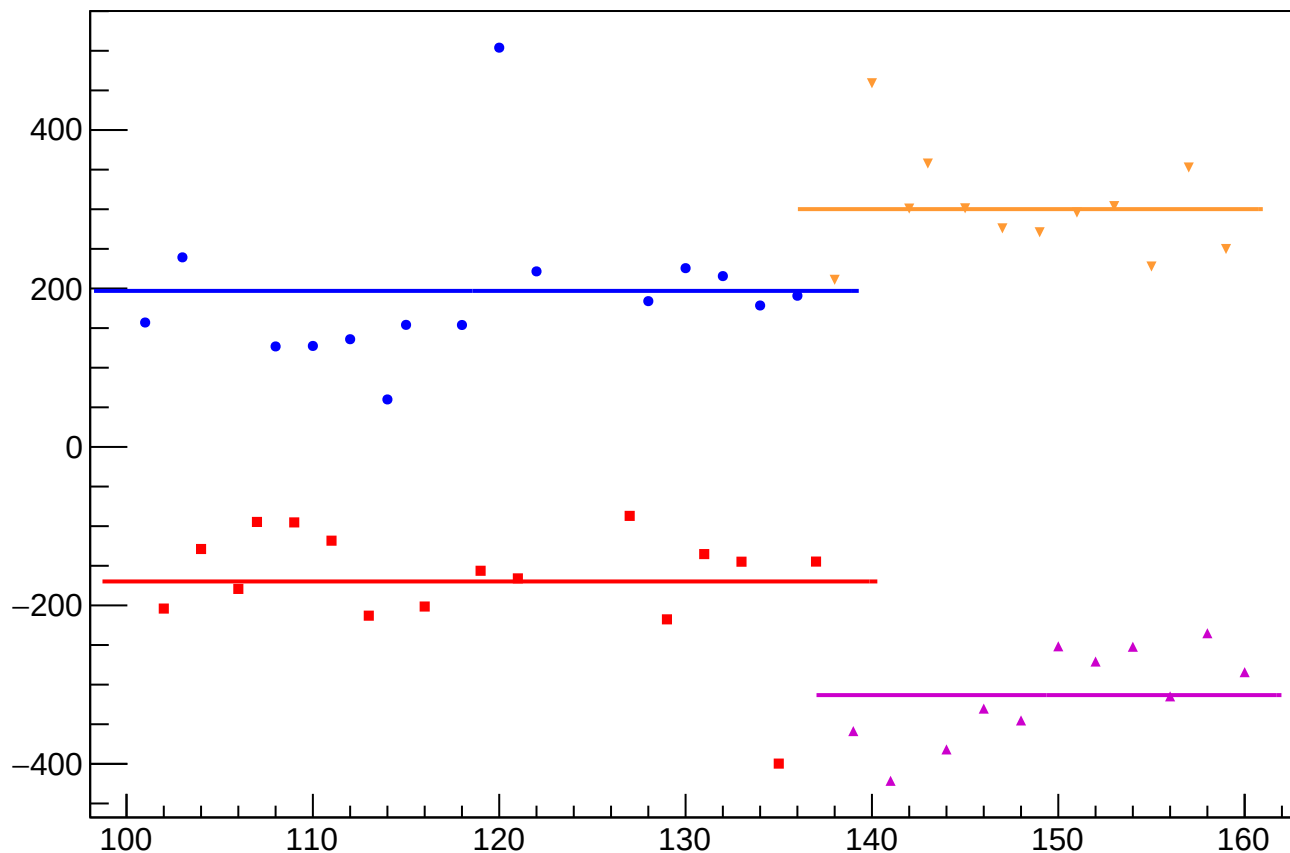
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam5_coil1_mean vs Slug, Sign Corrected



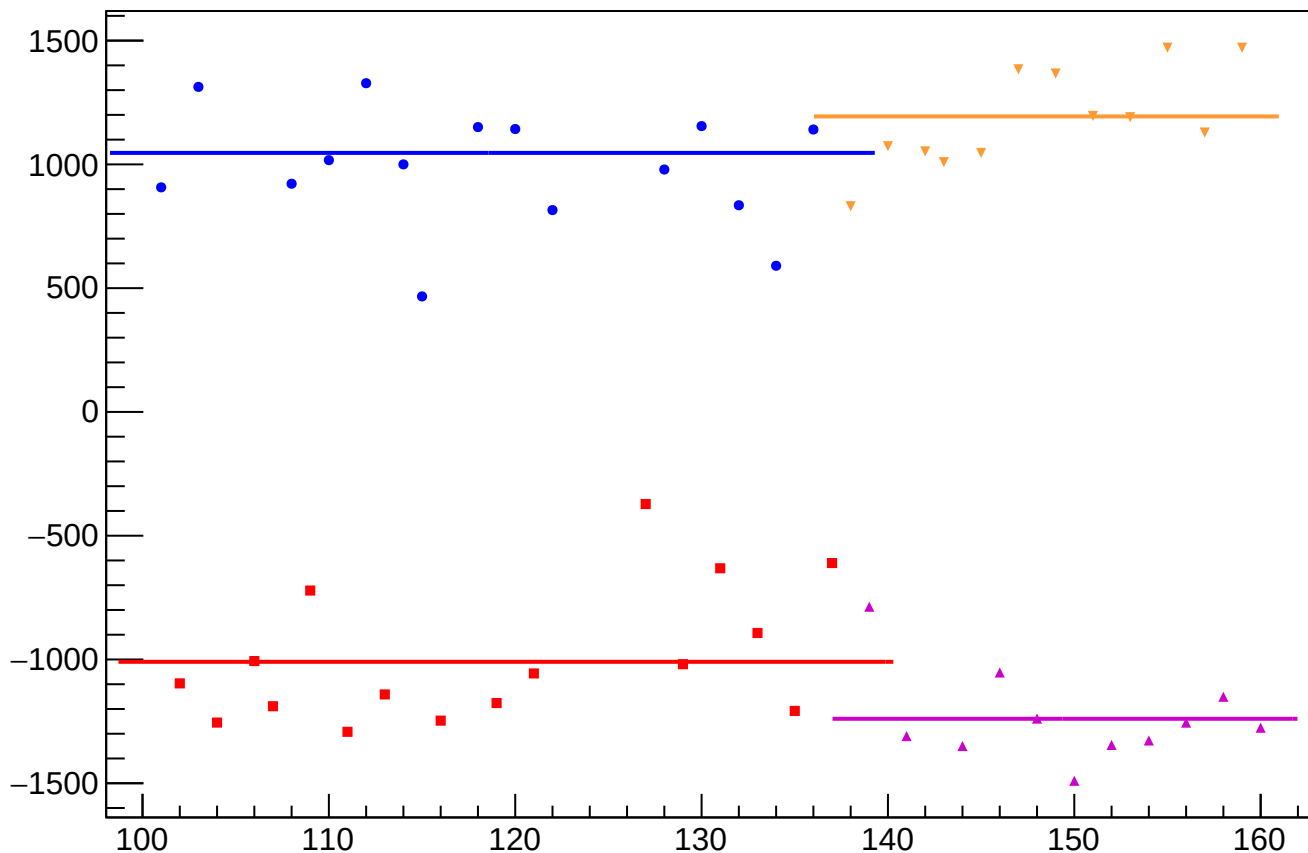
Left: -7.270 ± 0.000 $\chi^2/\text{NDF}: 23893577266149002$
 Right In: 254.578 ± 0.000 $\chi^2/\text{NDF}: 978402113531006640741569223967249530880.0/14$
 Right: -53.015 ± 0.000 $\chi^2/\text{NDF}: 220036732540735$
 Left Out: -2955.997 ± 0.000 $\chi^2/\text{NDF}: 3707818280907677847342876591435129290752.0/11$
 In: 1814.139 ± 0.000 $\chi^2/\text{NDF}: 8042963130029704$
 Right Out: -352.308 ± 0.000 $\chi^2/\text{NDF}: 1100813647101508513447529068154010468352.0/15$
 Out: -1857.540 ± 0.000 $\chi^2/\text{NDF}: 74227087248686$
 Left In: 2909.545 ± 0.000 $\chi^2/\text{NDF}: 4377323512278558404902073126276443406336.0/10$
 All: -26.357 ± 0.000 $\chi^2/\text{NDF}: 260955494544$

dit_sam5_coil1_err_mean vs Slug, Sign Corrected



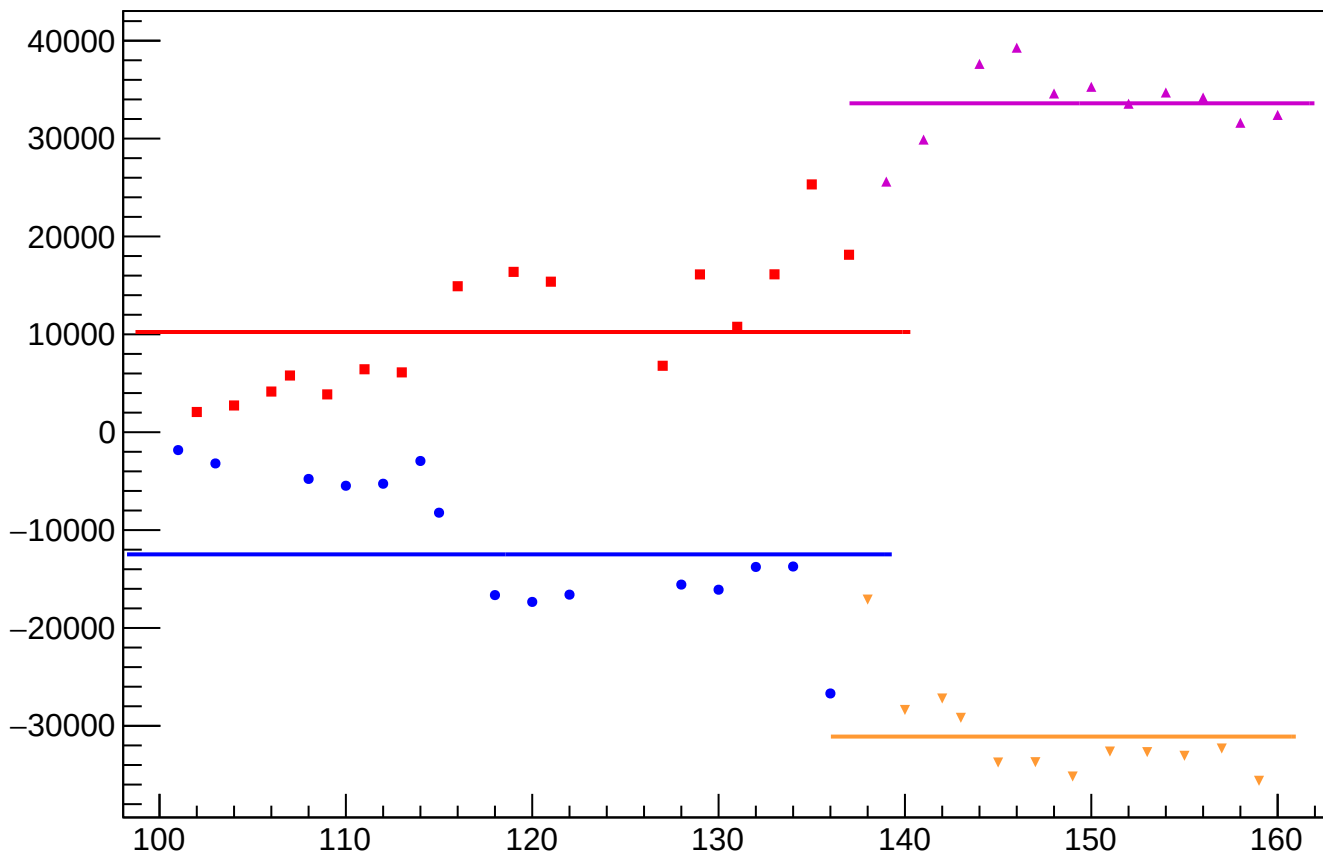
Right In: 196.955 $\pm$ 0.000 χ^2 /NDF: 4485245160329657914621372425838788608.0/14
 Left Out: 300.154 $\pm$ 0.000 χ^2 /NDF: 3873021428685352941137053448690204672.0/11
 Right Out: -169.778 $\pm$ 0.000 χ^2 /NDF: 3892609445494845784493558646385410048.0/15
 Left In: -313.228 $\pm$ 0.000 χ^2 /NDF: 3079061701843560714774529768142405632.0/10
 All: -0.159 $\pm$ 0.000 χ^2 /NDF: 2327307530740

dit_sam5_coil1_Ndata_mean vs Slug, Sign Corrected



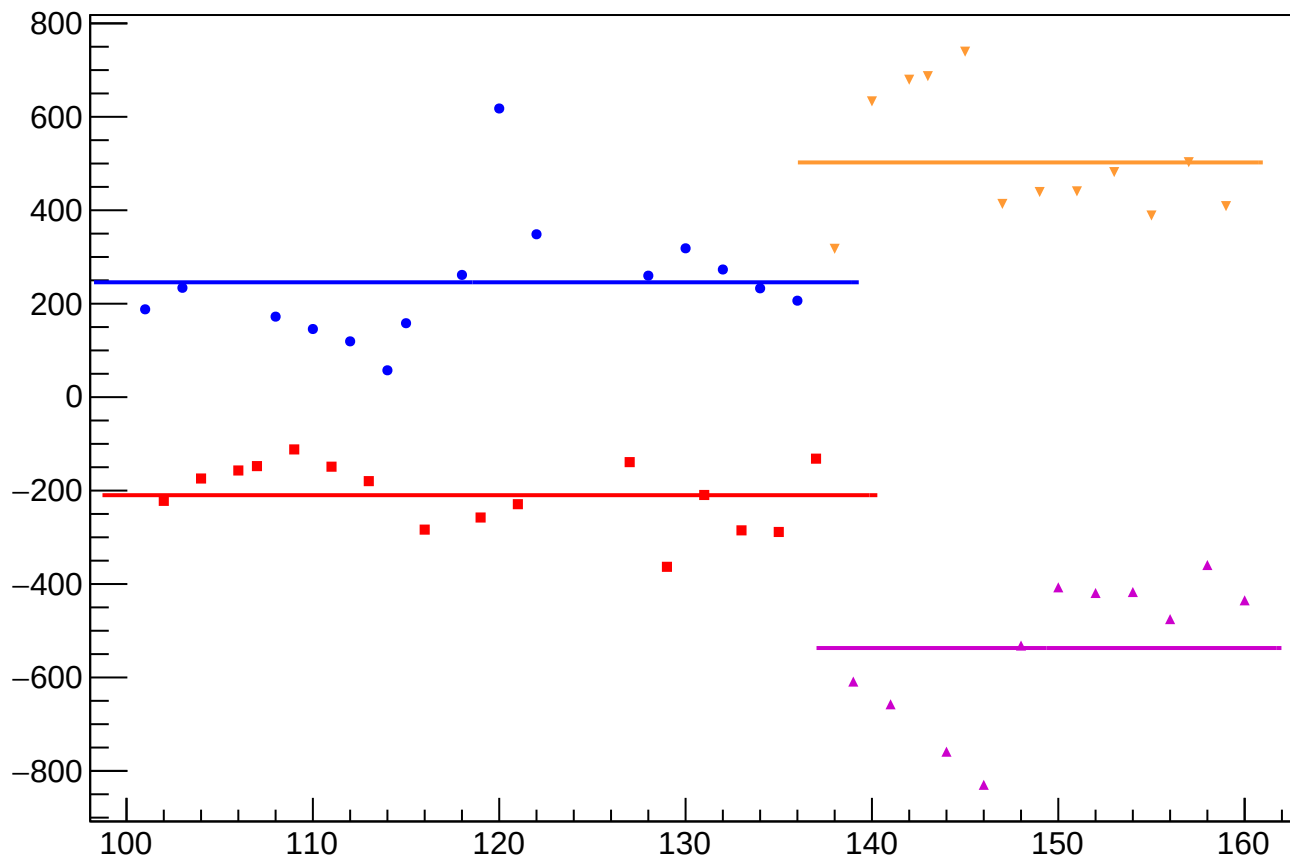
Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam6_coil1_mean vs Slug, Sign Corrected



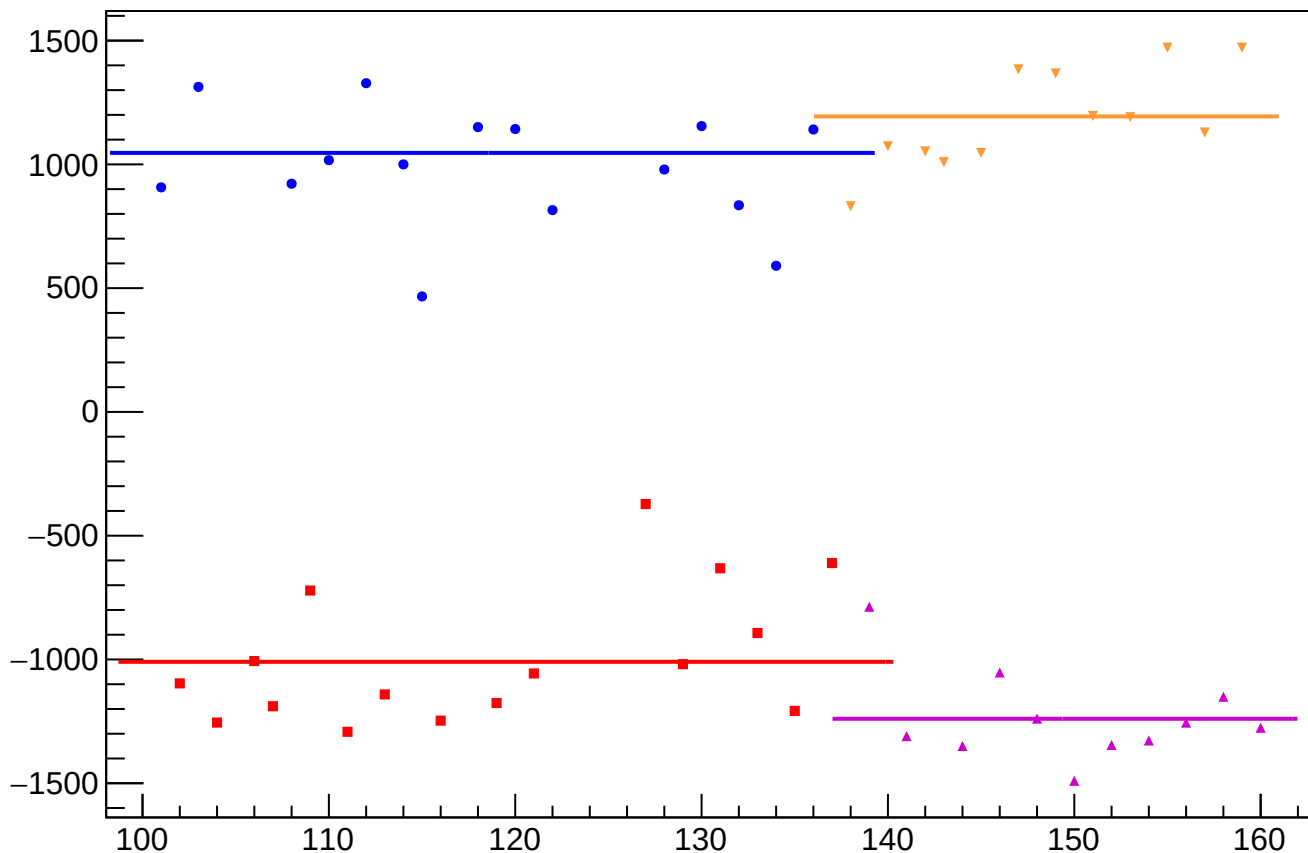
Right In: -12479.653+/-0.000 χ^2/NDF : 41178633231253805317353333973475271901184.0/14
 Left Out: -31096.364+/-0.000 χ^2/NDF : 21759430970673179273891990313759368282112.0/11
 Right Out: 10238.098+/-0.000 χ^2/NDF : 31227861126159534031961501923223718068224.0/15
 Left In: 33603.125+/-0.000 χ^2/NDF : 11377877741280377988076632069746943066112.0/10
 All: 430.161+/-0.000 χ^2/NDF : 220312696497

dit_sam6_coil1_err_mean vs Slug, Sign Corrected



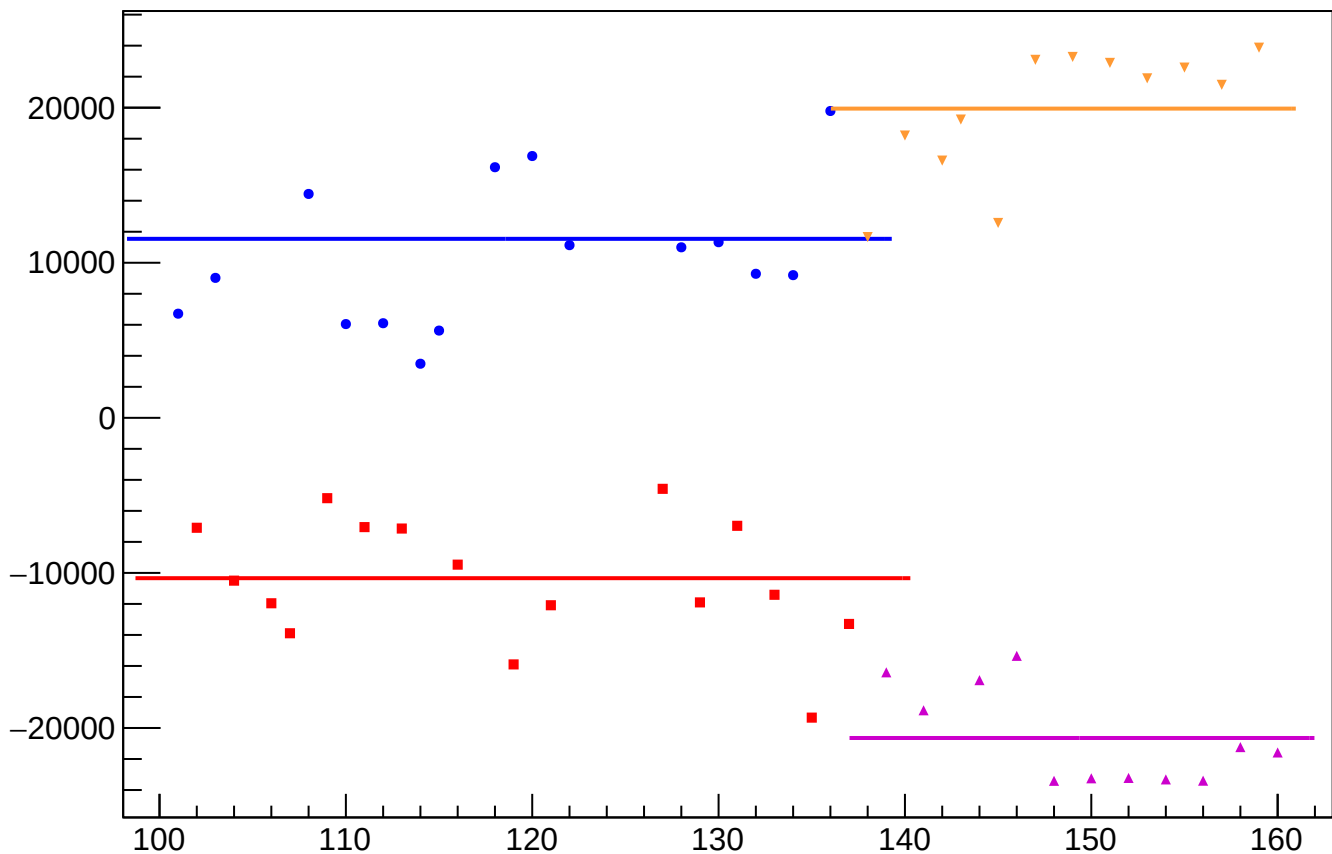
Right In: 245.832 $\pm$ 0.000 χ^2 /NDF: 7828269009300013139414476154059358208.0/14
 Left Out: 502.365 $\pm$ 0.000 χ^2 /NDF: 15191566092864942113763626663922368512.0/11
 Right Out: -209.844 $\pm$ 0.000 χ^2 /NDF: 3128489258838765241921217786024034304.0/15
 Left In: -536.975 $\pm$ 0.000 χ^2 /NDF: 20803022486400810956958367719555596288.0/10
 All: -5.524 $\pm$ 0.000 χ^2 /NDF: 6125424587177

dit_sam6_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam7_coil1_mean vs Slug, Sign Corrected



Right In: 11542.759+/-0.000

χ^2/NDF : 14233543123238566357226766219014687424512.0/14

Left Out: 19940.398+/-0.000

χ^2/NDF : 15069486743345866506868658008400293003264.0/11

Right Out: -10339.969+/-0.000

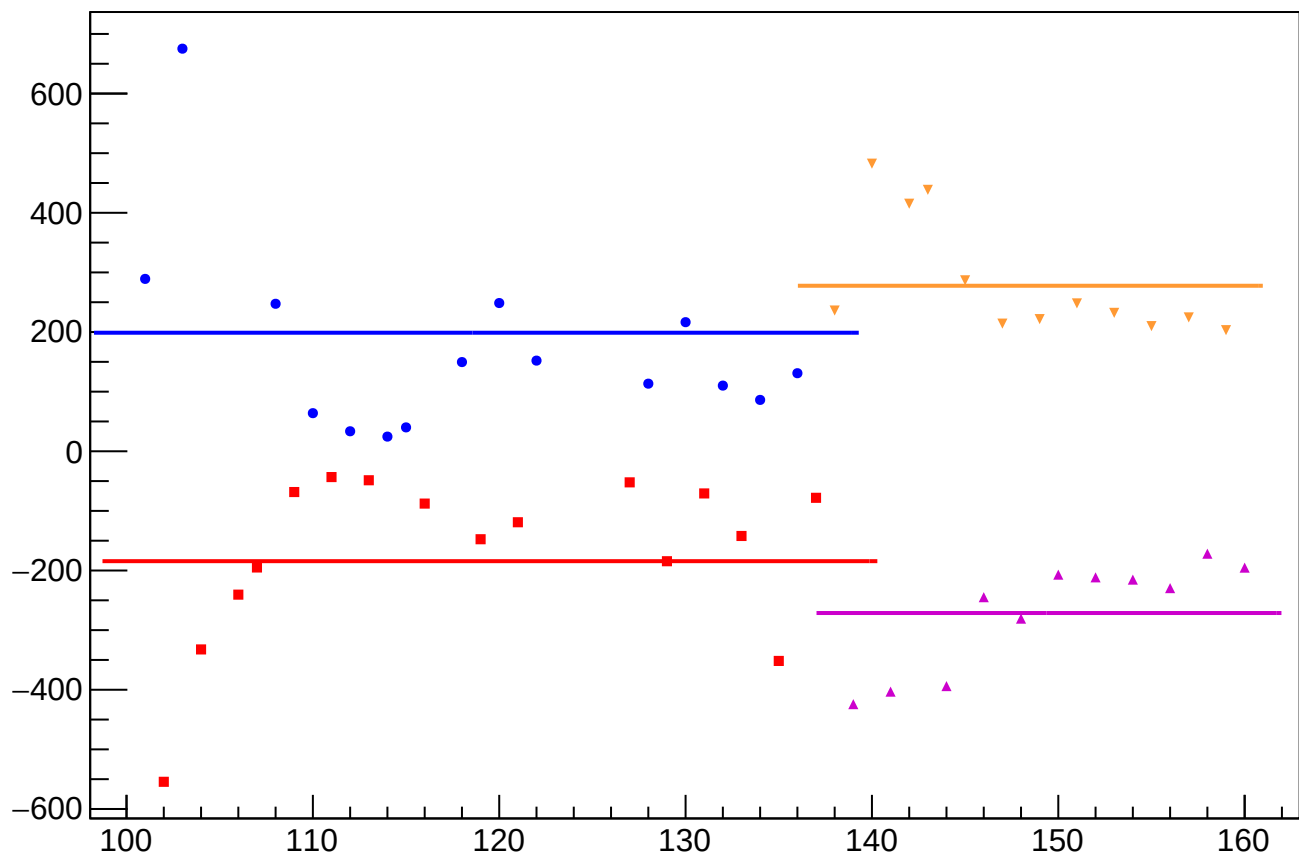
χ^2/NDF : 11260833863406751645923420062982418202624.0/15

Left In: -20645.358+/-0.000

χ^2/NDF : 8456327376882782804888899010558833983488.0/10

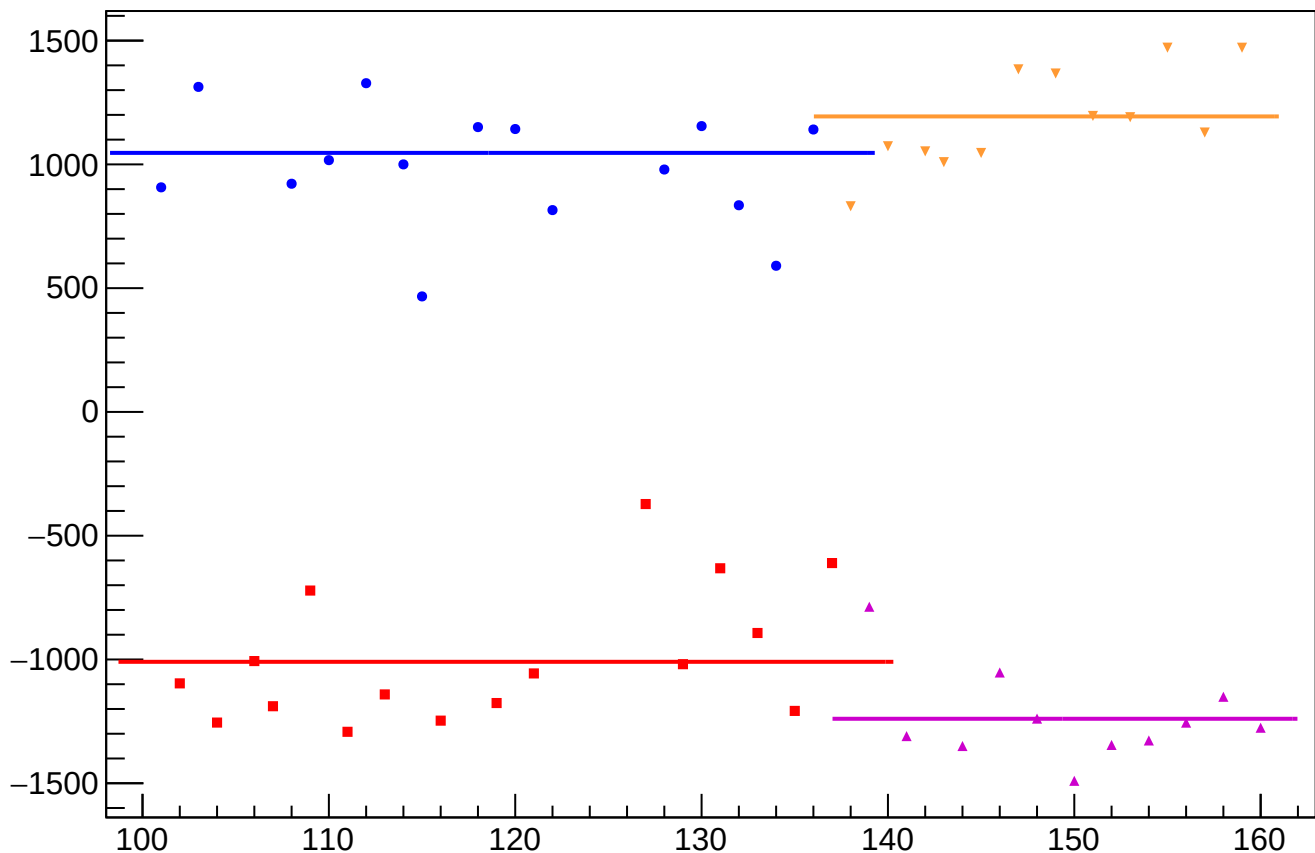
All: -81.261+/-0.000 χ^2/NDF : 964042806490

dit_sam7_coil1_err_mean vs Slug, Sign Corrected



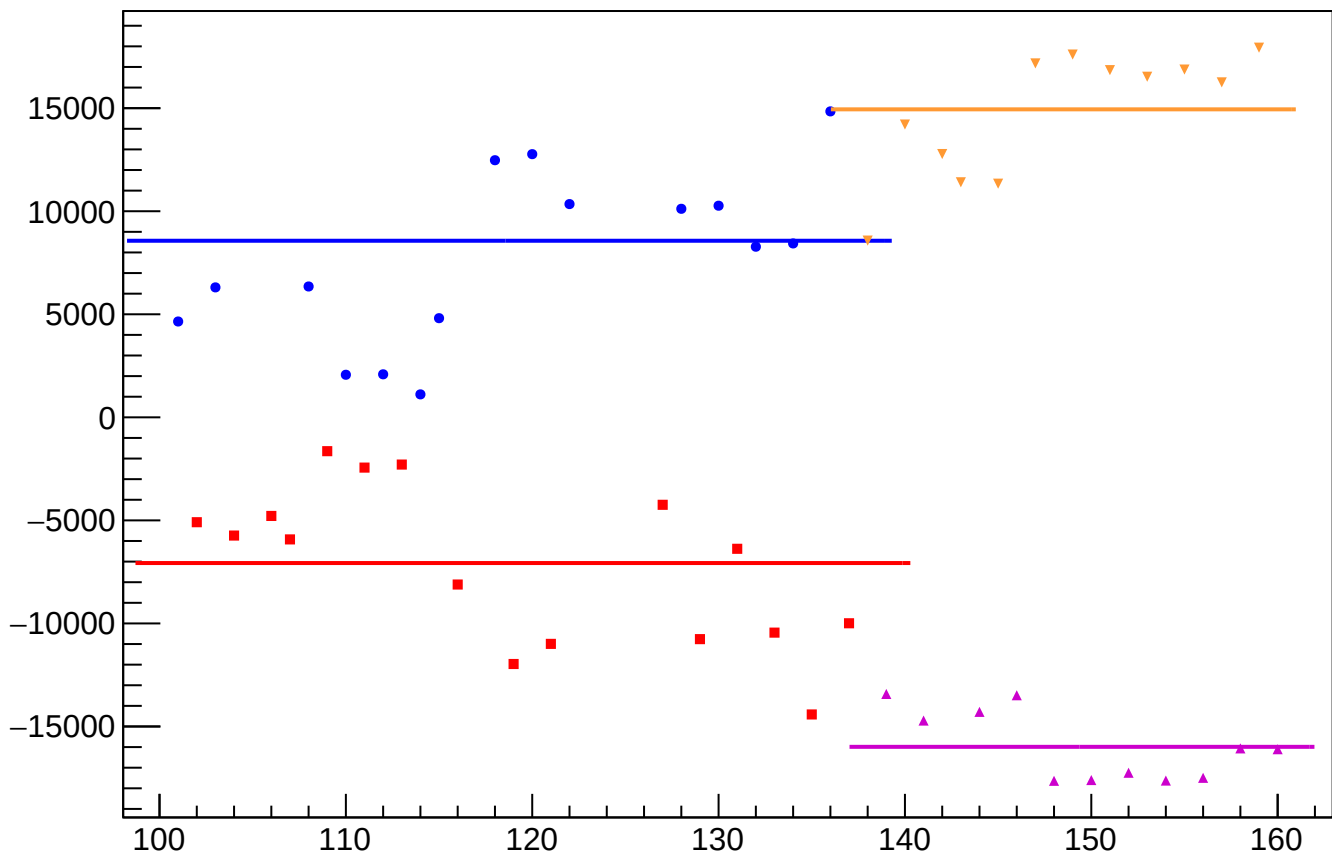
Right In: 198.850 $\pm$ 0.000 χ^2 /NDF: 18333995109503438037075916944440295424.0/14
 Left Out: 277.638 $\pm$ 0.000 χ^2 /NDF: 8038613705890486227984688847014330368.0/11
 Right Out: -184.328 $\pm$ 0.000 χ^2 /NDF: 14927434931395588601024961538372403200.0/15
 Left In: -271.291 $\pm$ 0.000 χ^2 /NDF: 7112445981030520145066814103974051840.0/10
 All: 2.915 $\pm$ 0.000 χ^2 /NDF: 2351696492796

dit_sam7_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_sam8_coil1_mean vs Slug, Sign Corrected



Right In: 8567.784+/-0.000

χ^2/NDF : 11106048878972501366429055679645708451840.0/14

Left Out: 14943.560+/-0.000

χ^2/NDF : 7900539606524387386359998406585036570624.0/11

Right Out: -7069.884+/-0.000

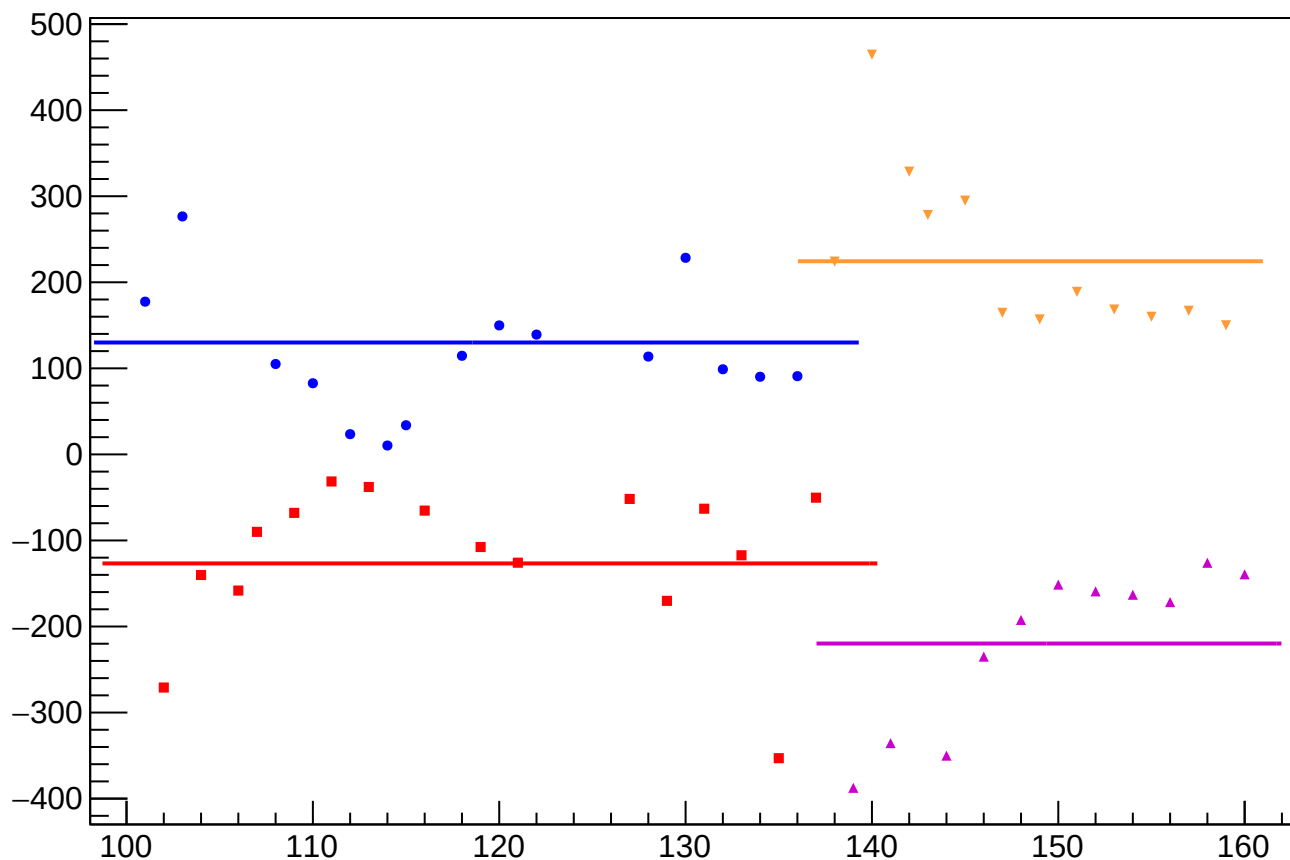
χ^2/NDF : 10076862363502652111378210539664387866624.0/15

Left In: -15987.436+/-0.000

χ^2/NDF : 2470393428254815728629083332629999124480.0/10

All: -85.320+/-0.000 χ^2/NDF : 552788797574

dit_sam8_coil1_err_mean vs Slug, Sign Corrected



Right In: 130.021+/-0.000

χ^2/NDF : 3115259987552341725946418665378283520.0/14

Left Out: 224.458+/-0.000

χ^2/NDF : 7870394140048491055430374232164401152.0/11

Right Out: -126.709+/-0.000

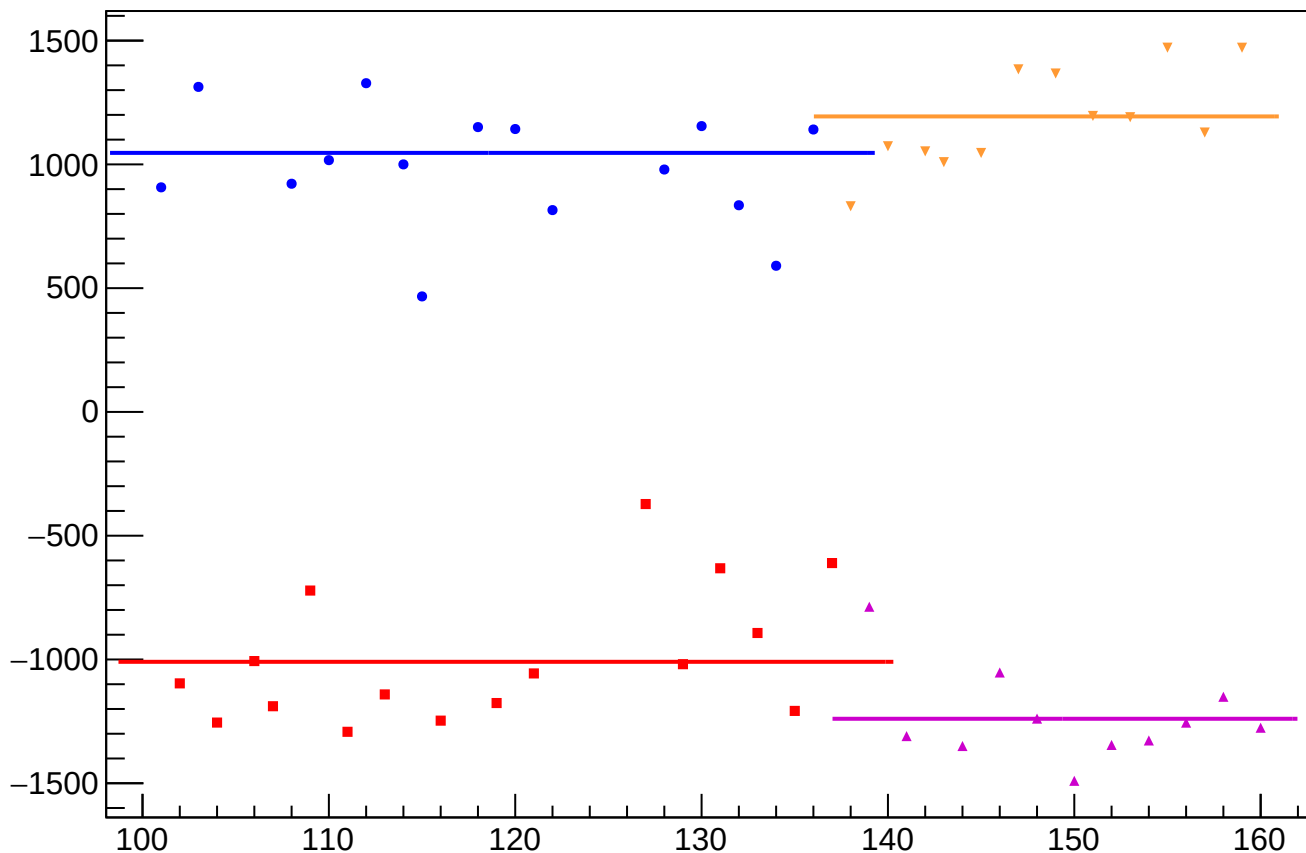
χ^2/NDF : 5397122581297664561308621600668516352.0/15

Left In: -219.787+/-0.000

χ^2/NDF : 7418609629454172879787970620999860224.0/10

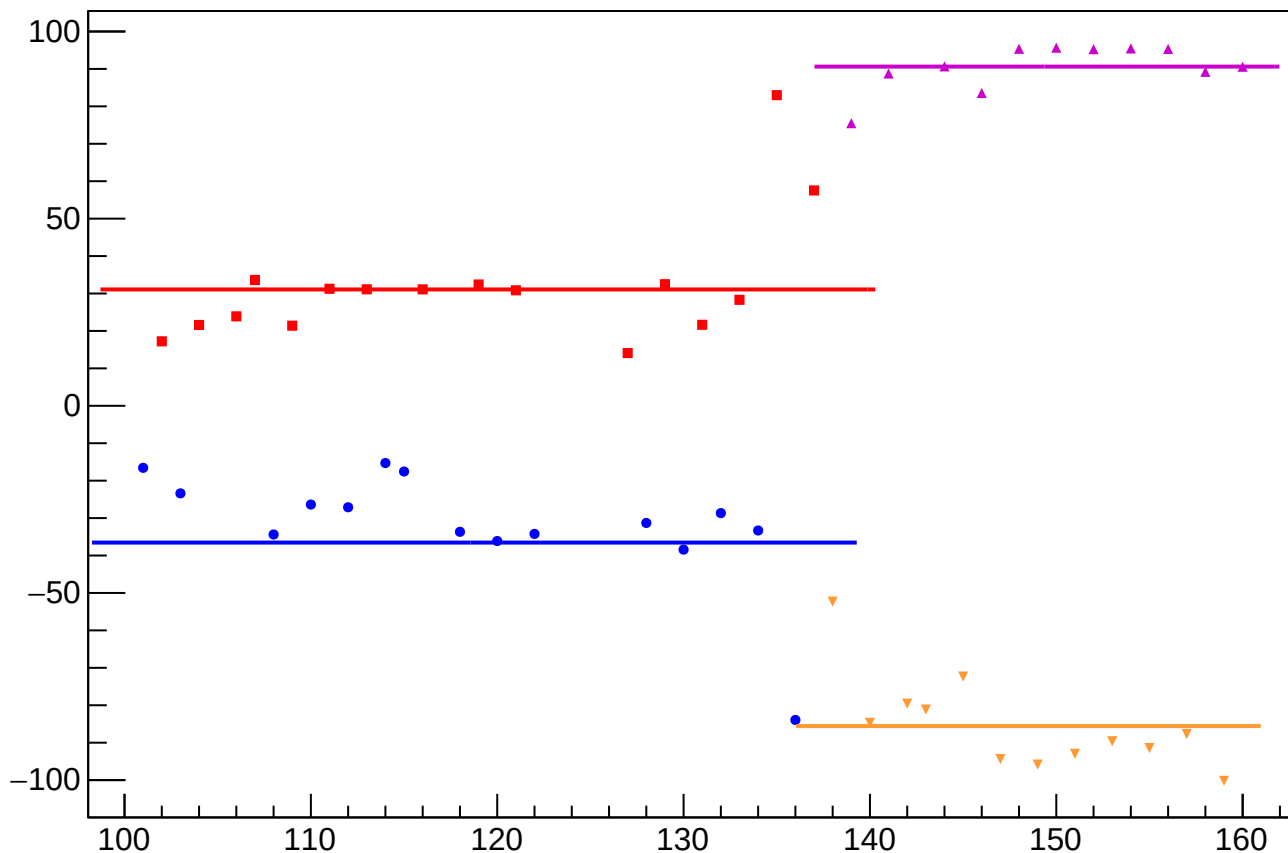
All: 0.615+/-0.000 χ^2/NDF : 1361639505758

dit_sam8_coil1_Ndata_mean vs Slug, Sign Corrected



Right In: 1046.490+/-0.000 χ^2/NDF : 24866624766048512267031234680614551552.0/14
 Left Out: 1193.726+/-0.000 χ^2/NDF : 34388618994267285012310712301196935168.0/11
 Right Out: -1009.445+/-0.000 χ^2/NDF : 44602783681728168935494176019868286976.0/15
 Left In: -1239.553+/-0.000 χ^2/NDF : 29116180330425505242594030704390045696.0/10
 All: -15.348+/-0.000 χ^2/NDF : 424479012287

dit_4aX_coil3_mean vs Slug, Sign Corrected



Right In: -36.540 $\pm$ 0.000

Left Out: -85.570 $\pm$ 0.000

Right Out: 31.085 $\pm$ 0.000

Left In: 90.618 $\pm$ 0.000

χ^2 /NDF: 254351867861444609202637633864335360.0/14

χ^2 /NDF: 143557776257547990865591640732467200.0/11

χ^2 /NDF: 181291079119381636178408498876383232.0/15

χ^2 /NDF: 33089833083626408117297955498622976.0/10

Left: 3.003 $\pm$ 0.000 χ^2 /NDF: 144401853367529279

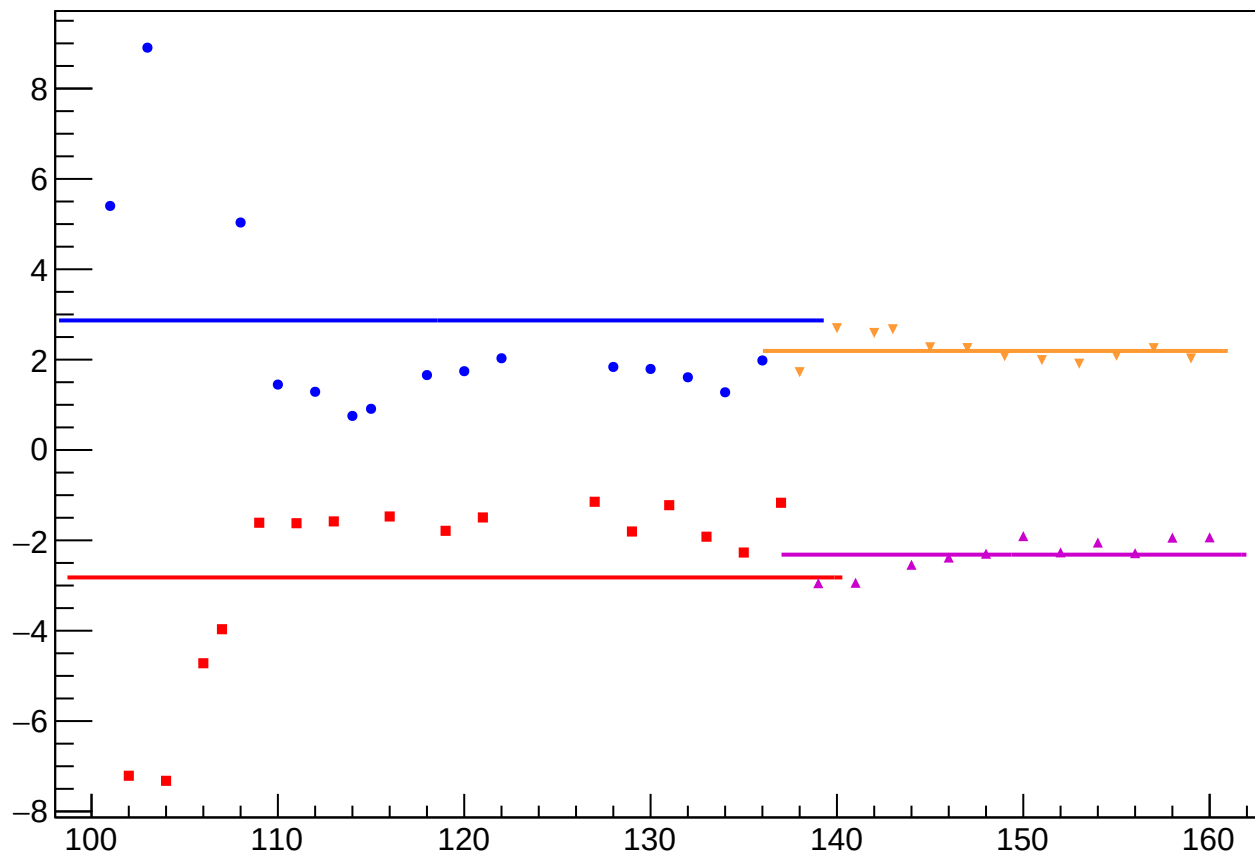
Right: -2.265 $\pm$ 0.000 χ^2 /NDF: 1939933040270060

In: 38.154 $\pm$ 0.000 χ^2 /NDF: 645160855456739365

Out: -36.355 $\pm$ 0.000 χ^2 /NDF: 5572346140178000

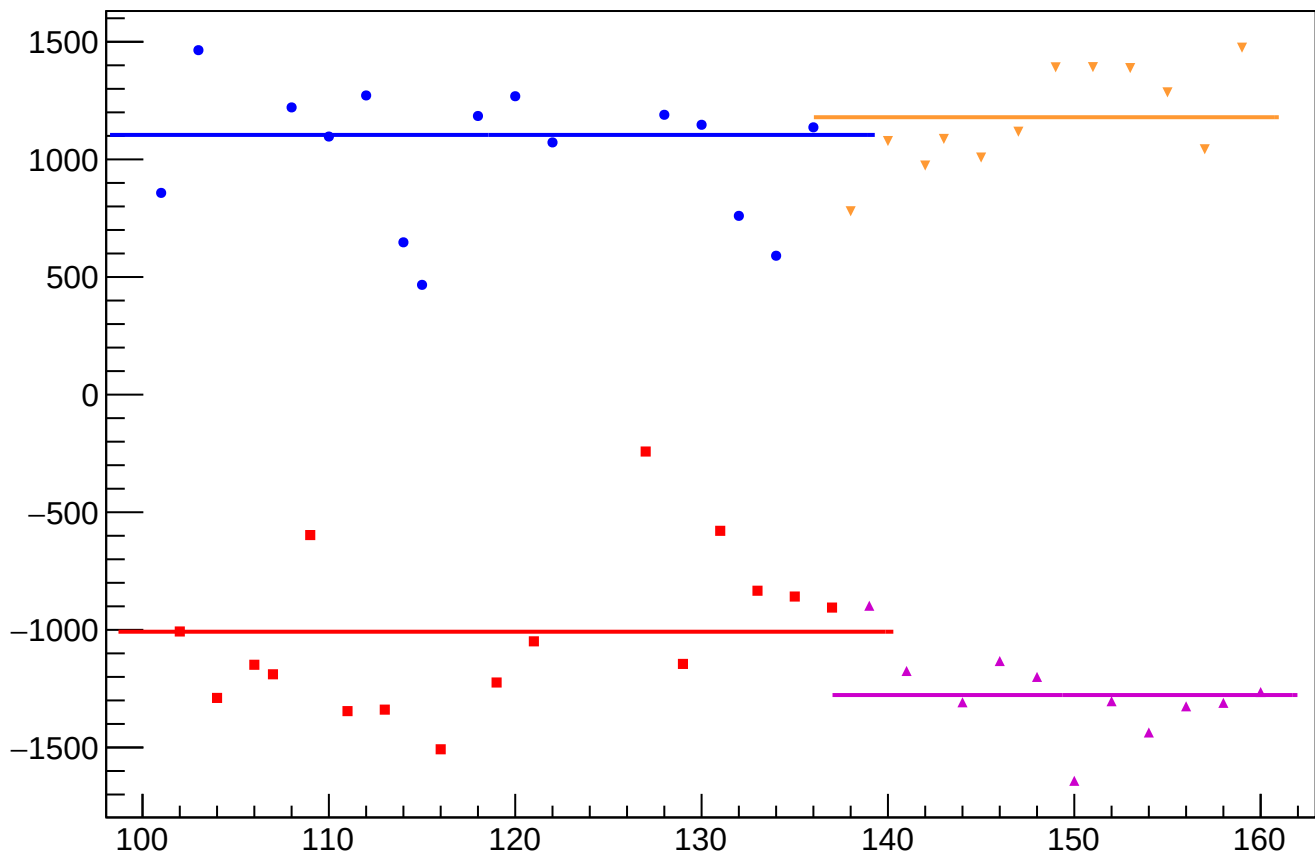
All: 0.805 $\pm$ 0.000 χ^2 /NDF: 16401400360245

dit_4aX_coil3_err_mean vs Slug, Sign Corrected



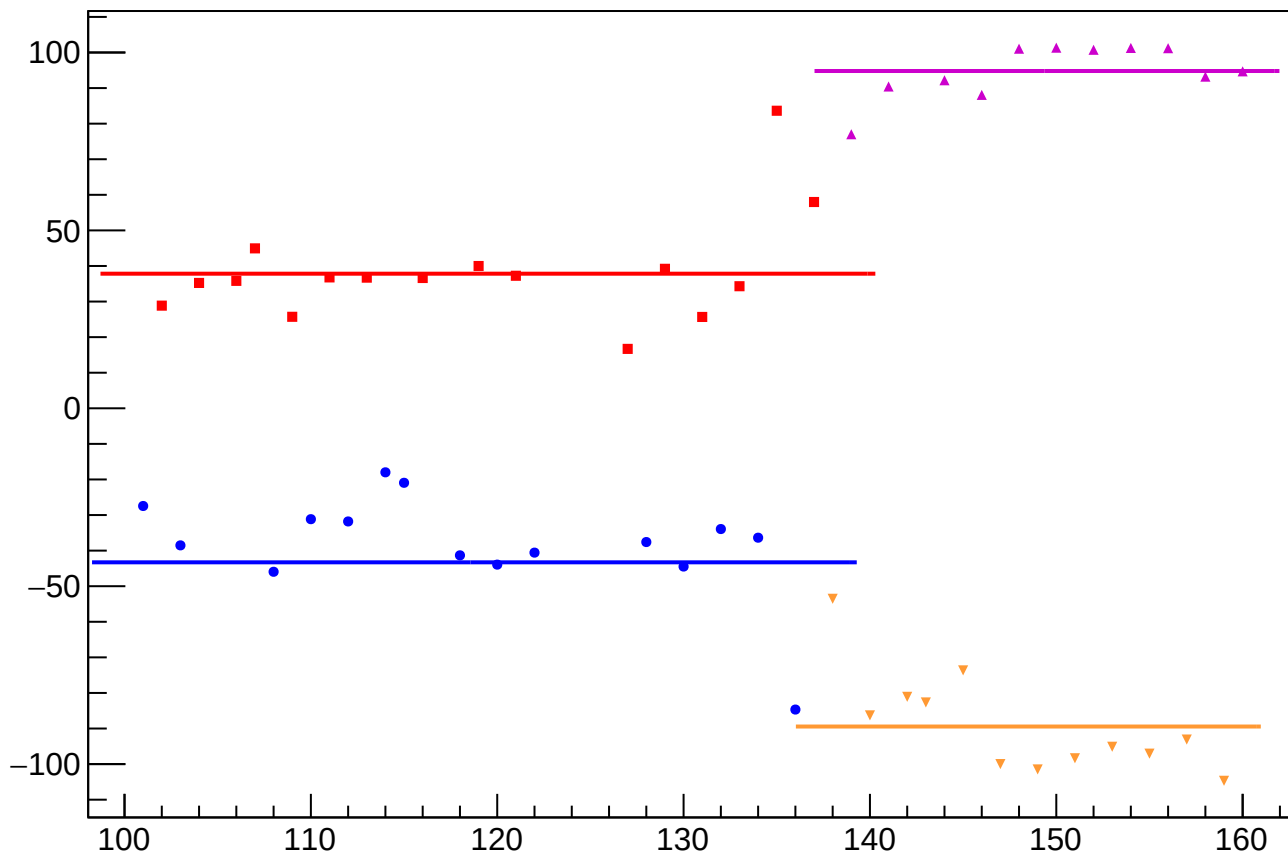
Right In: 2.867 ± 0.000 χ^2/NDF : 3455499087584693564208174061322240.0/14
 Left Out: 2.192 ± 0.000 χ^2/NDF : 76043906789141561084580015898624.0/11
 Right Out: -2.821 ± 0.000 χ^2/NDF : 3052948718107902490497172912472064.0/15
 Left In: -2.317 ± 0.000 χ^2/NDF : 114372564725079889099013285216256.0/10
 All: -0.050 ± 0.000 χ^2/NDF : 2668555650335

dit_4aX_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_4eX_coil3_mean vs Slug, Sign Corrected



Right In: -43.289+/-0.000

Left Out: -89.439+/-0.000

Right Out: 37.832+/-0.000

Left In: 94.799+/-0.000

χ^2/NDF : 199342736778845281087197523996573696.0/14

χ^2/NDF : 181119962985690841138788427972476928.0/11

χ^2/NDF : 148683933977204936634636843897323520.0/15

χ^2/NDF : 49077050032611006982156968074936320.0/10

Left: 3.181+/-0.000 χ^2/NDF : 158268282831051271

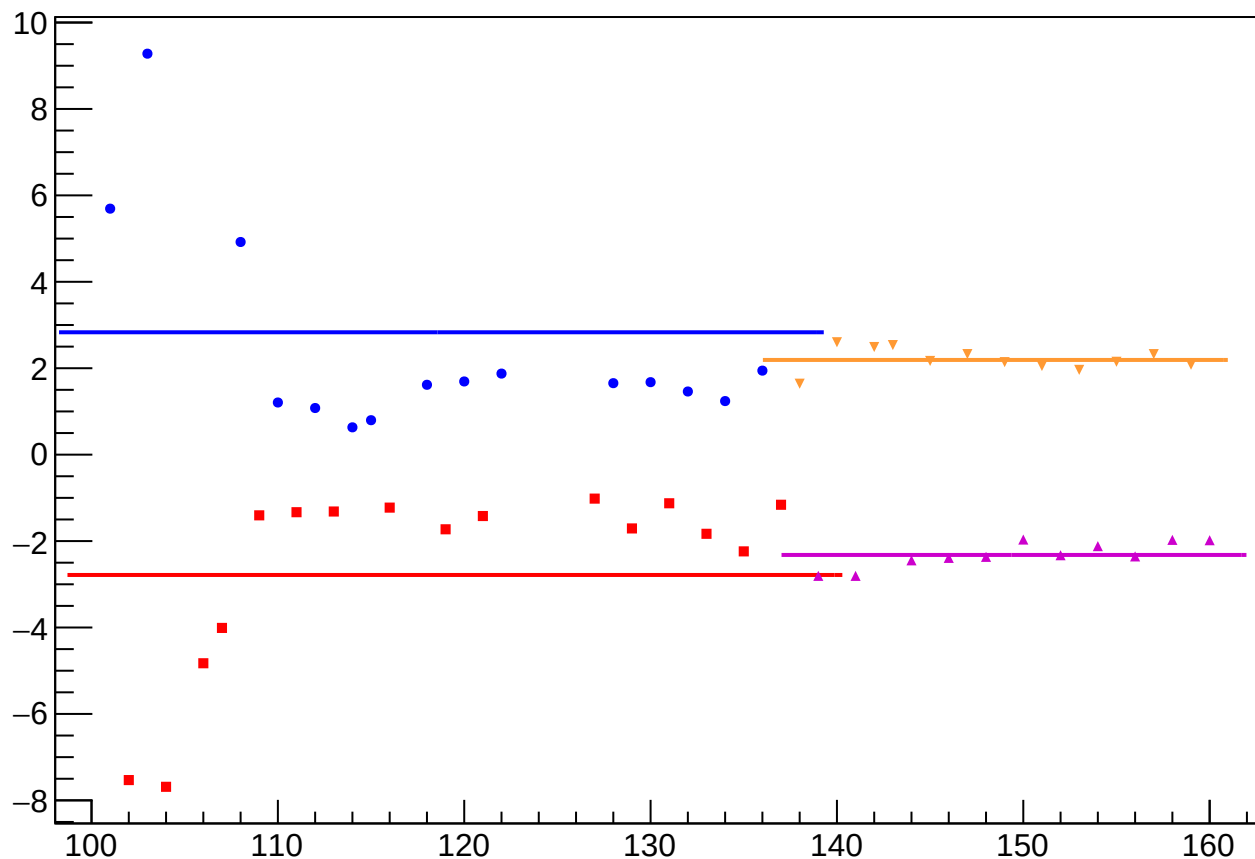
Right: -2.174+/-0.000 χ^2/NDF : 2512687101518028

In: 37.826+/-0.000 χ^2/NDF : 751790372998047563

Out: -35.745+/-0.000 χ^2/NDF : 6575776048743356

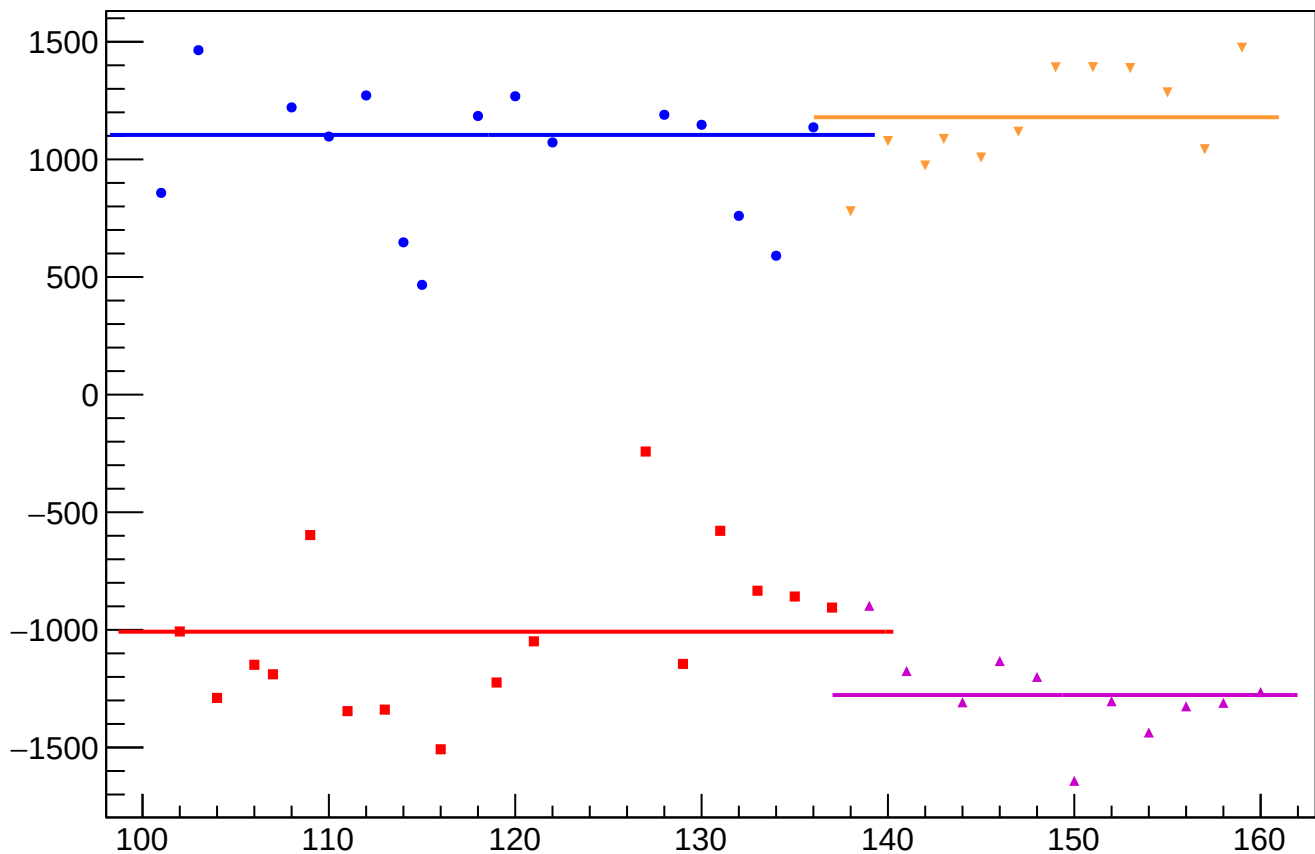
All: 0.947+/-0.000 χ^2/NDF : 18361508182388

dit_4eX_coil3_err_mean vs Slug, Sign Corrected



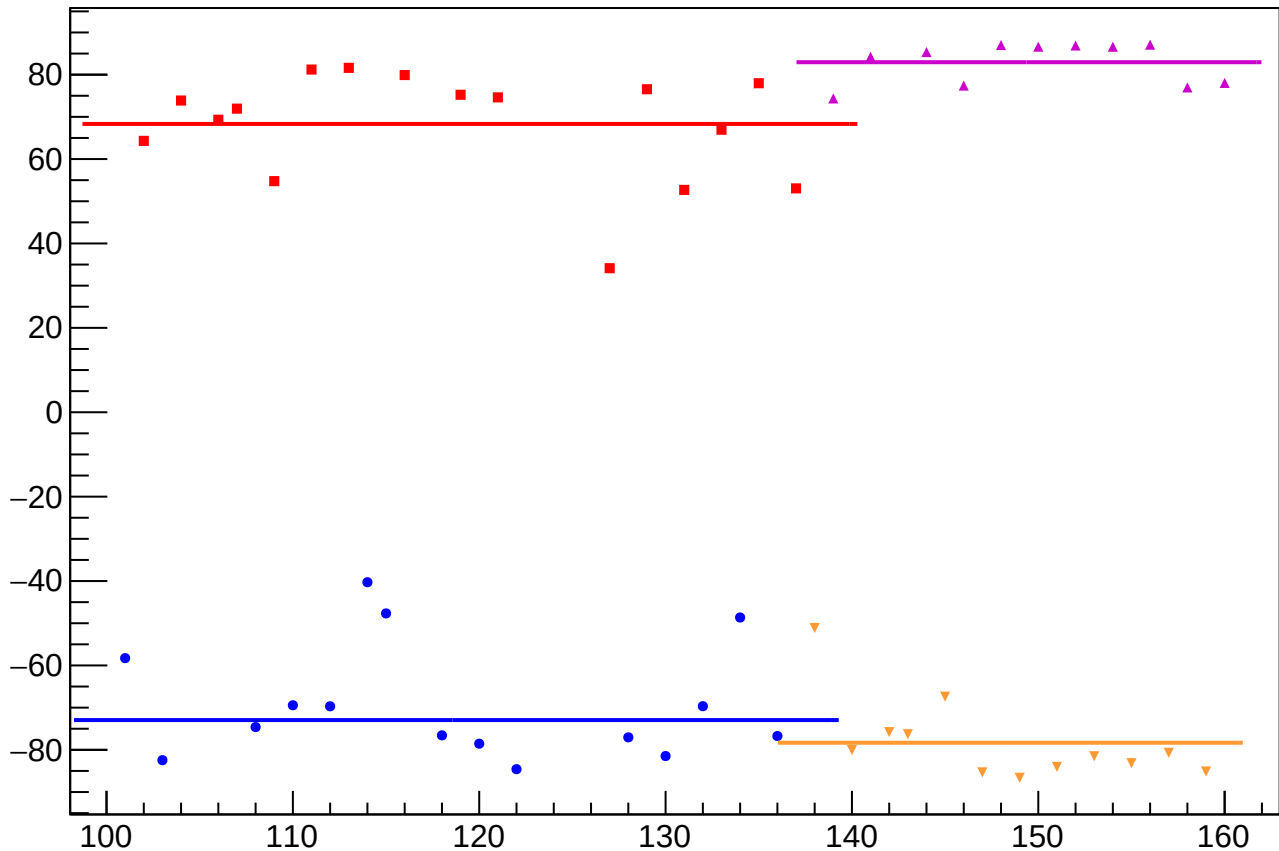
Right In: 2.832 ± 0.000 χ^2/NDF : 3957672531929017328512564323155968.0/14
 Left Out: 2.192 ± 0.000 χ^2/NDF : 59601559247415008947816525463552.0/11
 Right Out: -2.784 ± 0.000 χ^2/NDF : 3589544956108116898091236897849344.0/15
 Left In: -2.321 ± 0.000 χ^2/NDF : 74619123224616324544404505231360.0/10
 All: -0.051 ± 0.000 χ^2/NDF : 2741558316748

dit_4eX_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 +/- 0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 +/- 0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 +/- 0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 +/- 0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335 +/- 0.000 χ^2/NDF : 441608022845

dit_11X12X_coil3_mean vs Slug, Sign Corrected



Right In: -72.949+/-0.000

Left Out: -78.317+/-0.000

Right Out: 68.324+/-0.000

Left In: 82.954+/-0.000

χ^2/NDF : 65755428464857980306879126291087360.0/14

χ^2/NDF : 86858932587671188594087415160766464.0/11

χ^2/NDF : 106694344898202364483367131372584960.0/15

χ^2/NDF : 20419157774877297849205303170564096.0/10

Left: 2.757+/-0.000 χ^2/NDF : 120577028568665653

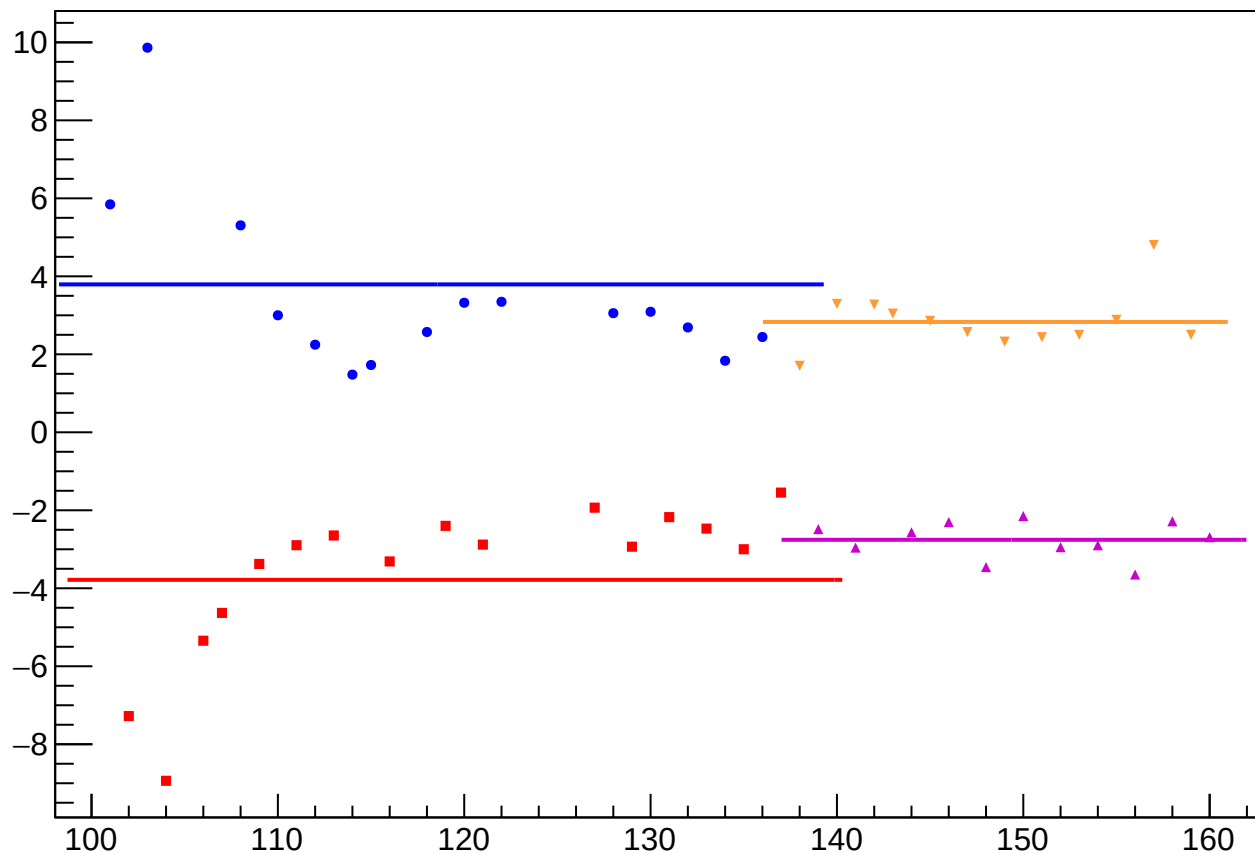
Right: -1.347+/-0.000 χ^2/NDF : 6737392391922205

In: 18.630+/-0.000 χ^2/NDF : 935227547229560147

Out: -16.451+/-0.000 χ^2/NDF : 8485315004637869

All: 1.045+/-0.000 χ^2/NDF : 18808011568652

dit_11X12X_coil3_err_mean vs Slug, Sign Corrected



Right In: 3.793+/-0.000

χ^2/NDF : 3205389242726129619796290810413056.0/14

Left Out: 2.830+/-0.000

χ^2/NDF : 492749026028838907947829621161984.0/11

Right Out: -3.783+/-0.000

χ^2/NDF : 2878586622192676654452338755371008.0/15

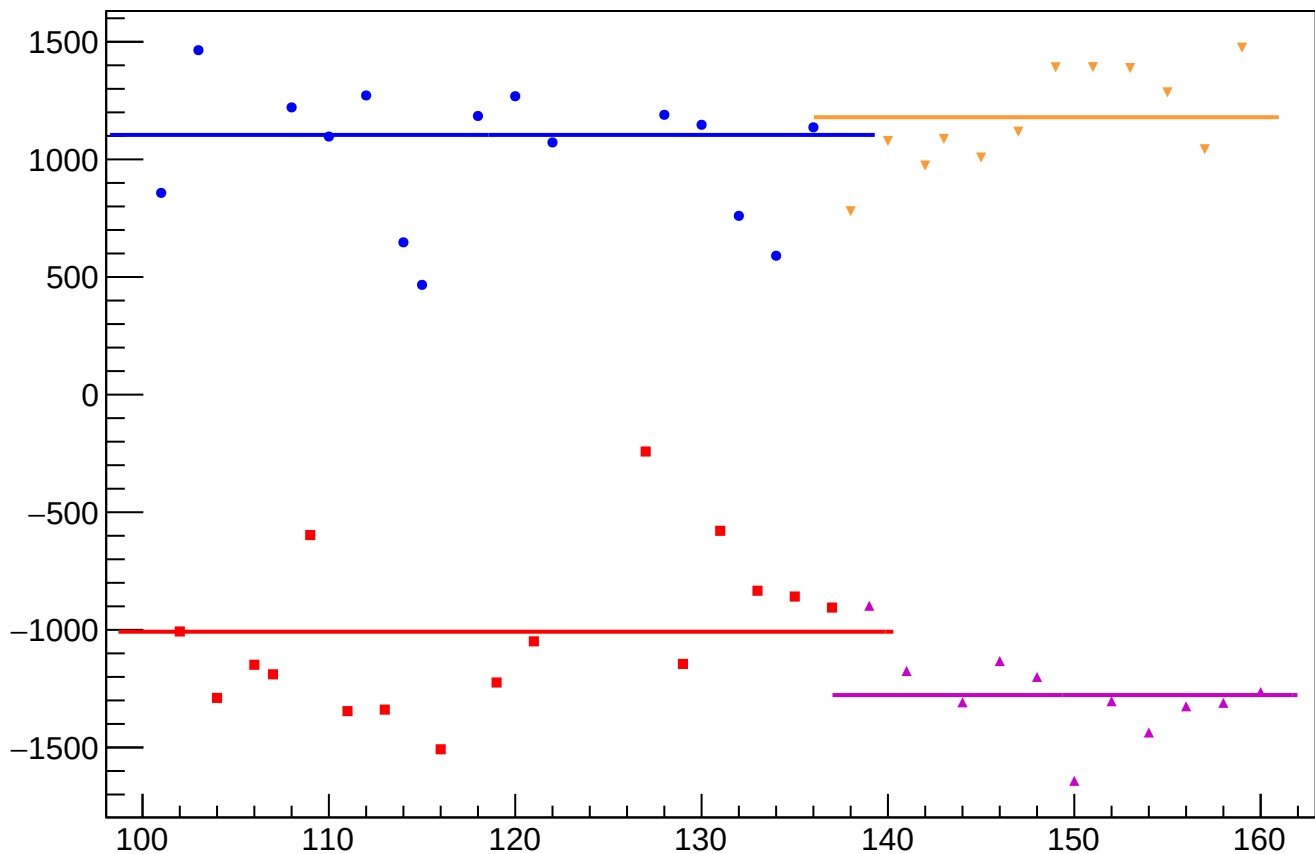
Left In: -2.757+/-0.000

χ^2/NDF : 191720746547732306226054042746880.0/10

All: -0.007+/-0.000

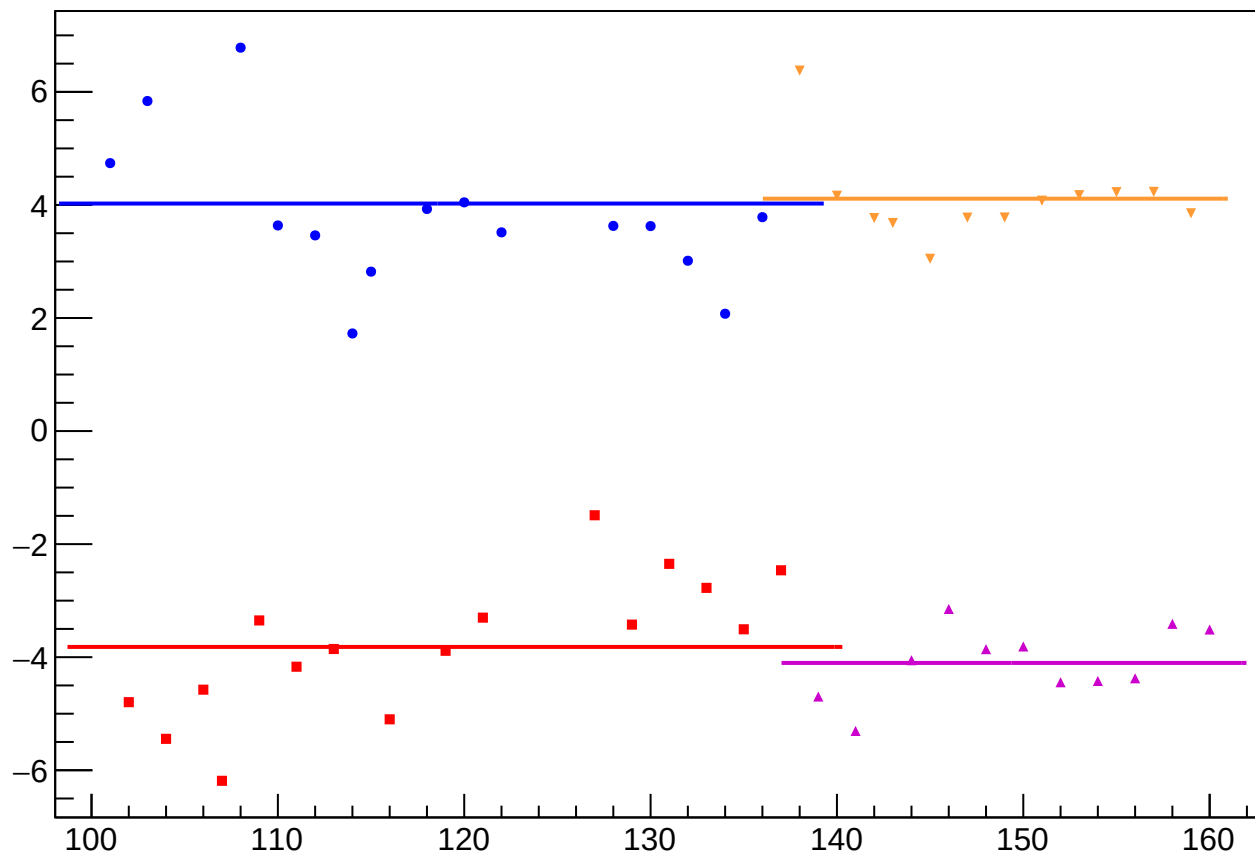
χ^2/NDF : 3999287355304

dit_11X12X_coil3_Ndata_mean vs Slug, Sign Corrected



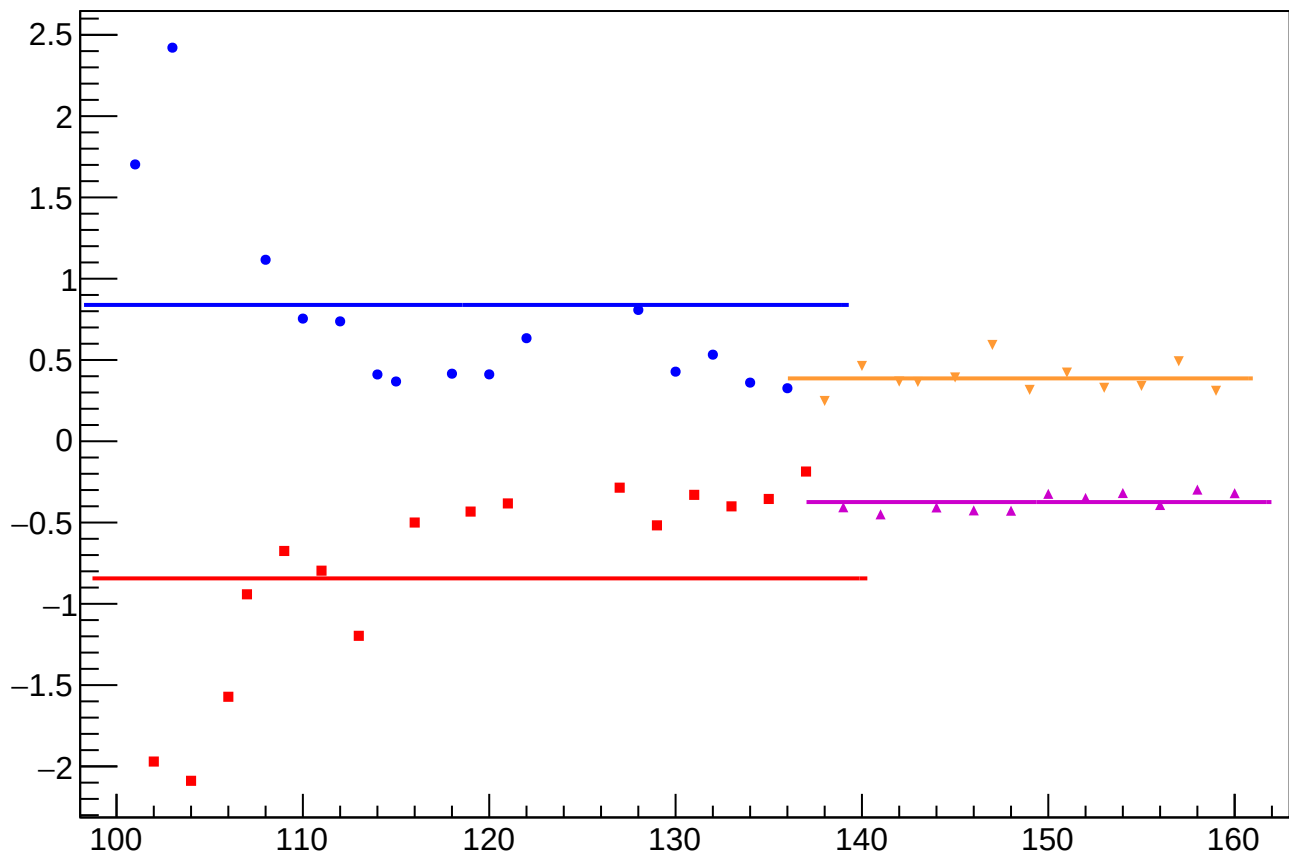
Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_4aY_coil3_mean vs Slug, Sign Corrected



Right In: 4.025 ± 0.000 $\chi^2/\text{NDF}: 769001650442321928129473832550400.0/14$
 Left Out: 4.111 ± 0.000 $\chi^2/\text{NDF}: 532620096510613693690902891986944.0/11$
 Right Out: -3.819 ± 0.000 $\chi^2/\text{NDF}: 888232240226434329114859171479552.0/15$
 Left In: -4.102 ± 0.000 $\chi^2/\text{NDF}: 329978343606173709019066465779712.0/10$
 All: 0.010 ± 0.000 $\chi^2/\text{NDF}: 53749829914354$

dit_4aY_coil3_err_mean vs Slug, Sign Corrected



Right In: 0.839 +/- 0.000

χ^2/NDF : 258416025334615661521163083841536.0/14

Left Out: 0.387 +/- 0.000

χ^2/NDF : 7656532010606705303389852401664.0/11

Right Out: -0.844 +/- 0.000

χ^2/NDF : 252917509393432760240648918925312.0/15

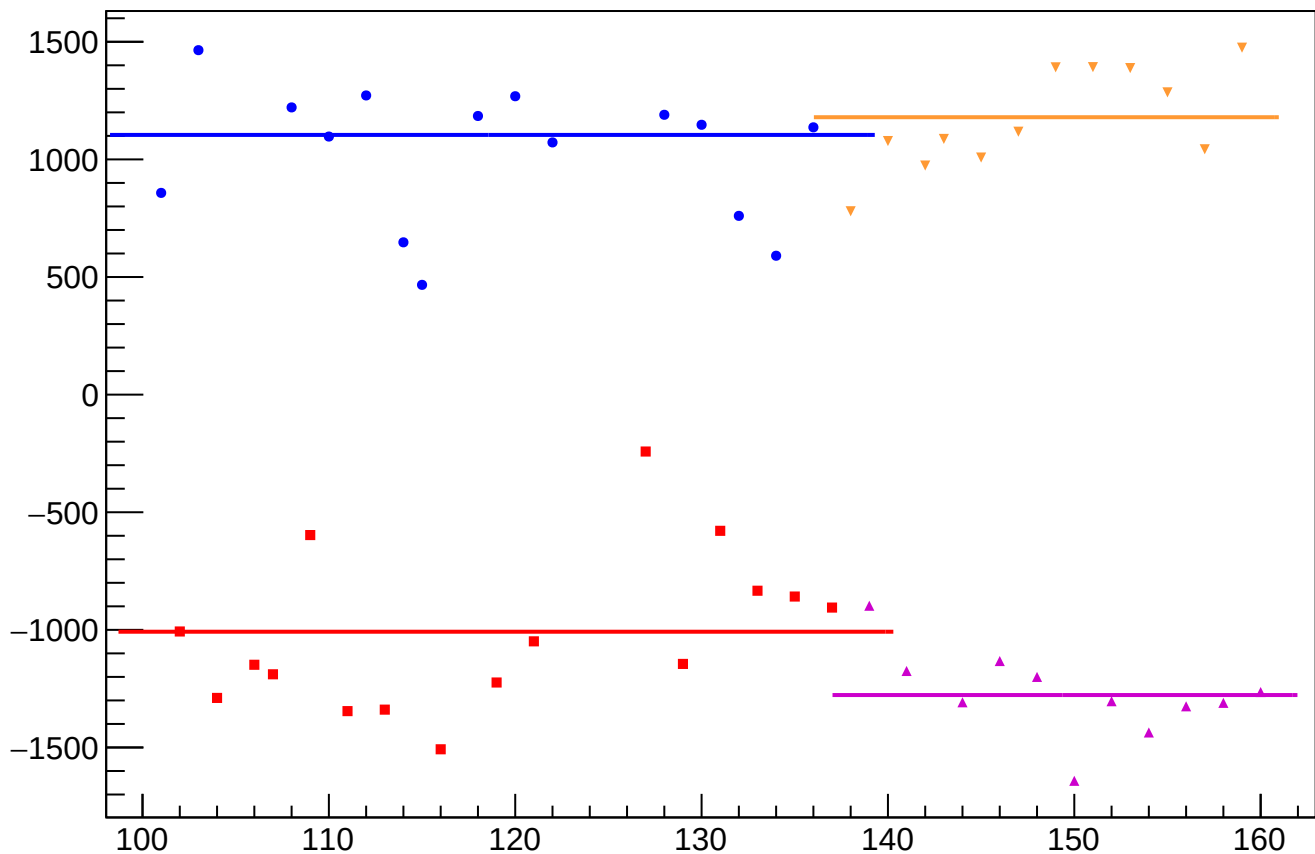
Left In: -0.374 +/- 0.000

χ^2/NDF : 2408191855928929204652403064832.0/10

All: -0.003 +/- 0.000

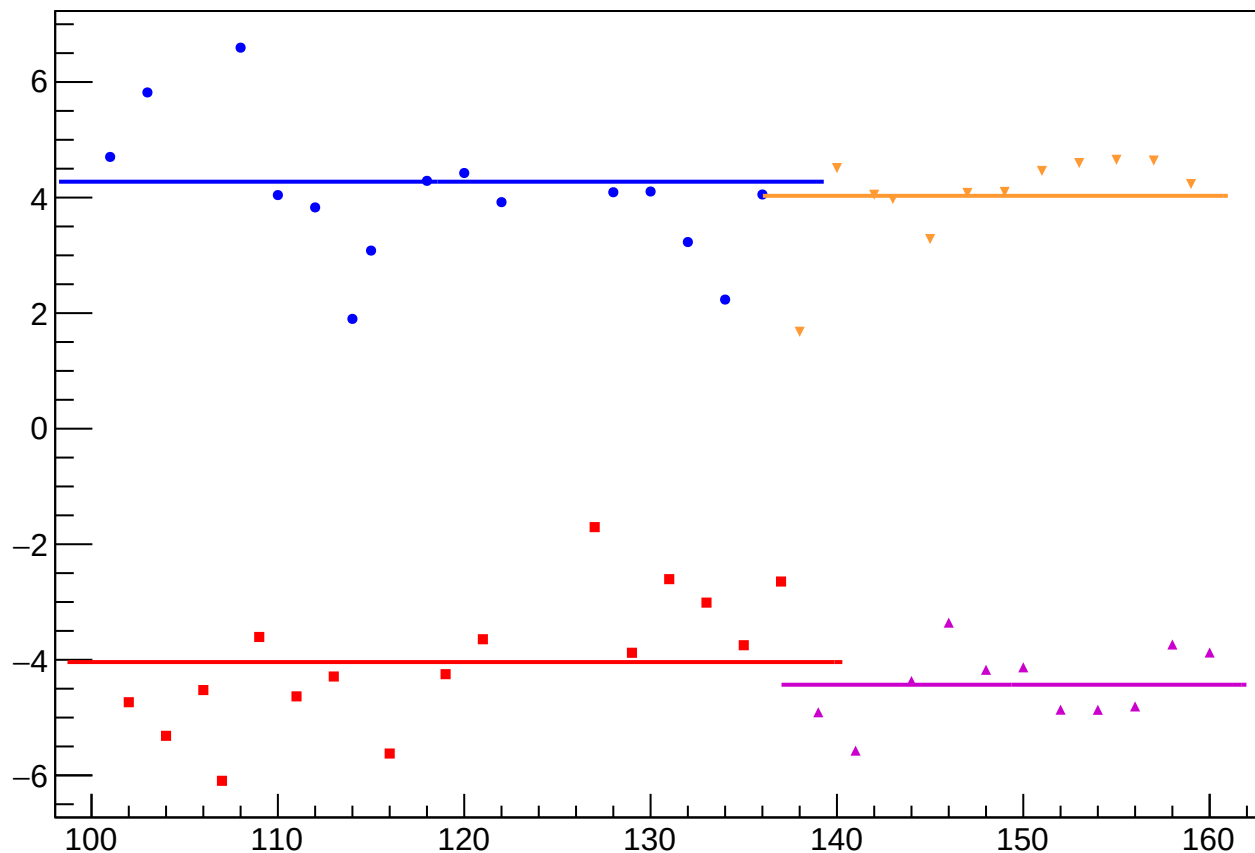
χ^2/NDF : 1718408465884

dit_4aY_coil3_Ndata_mean vs Slug, Sign Corrected



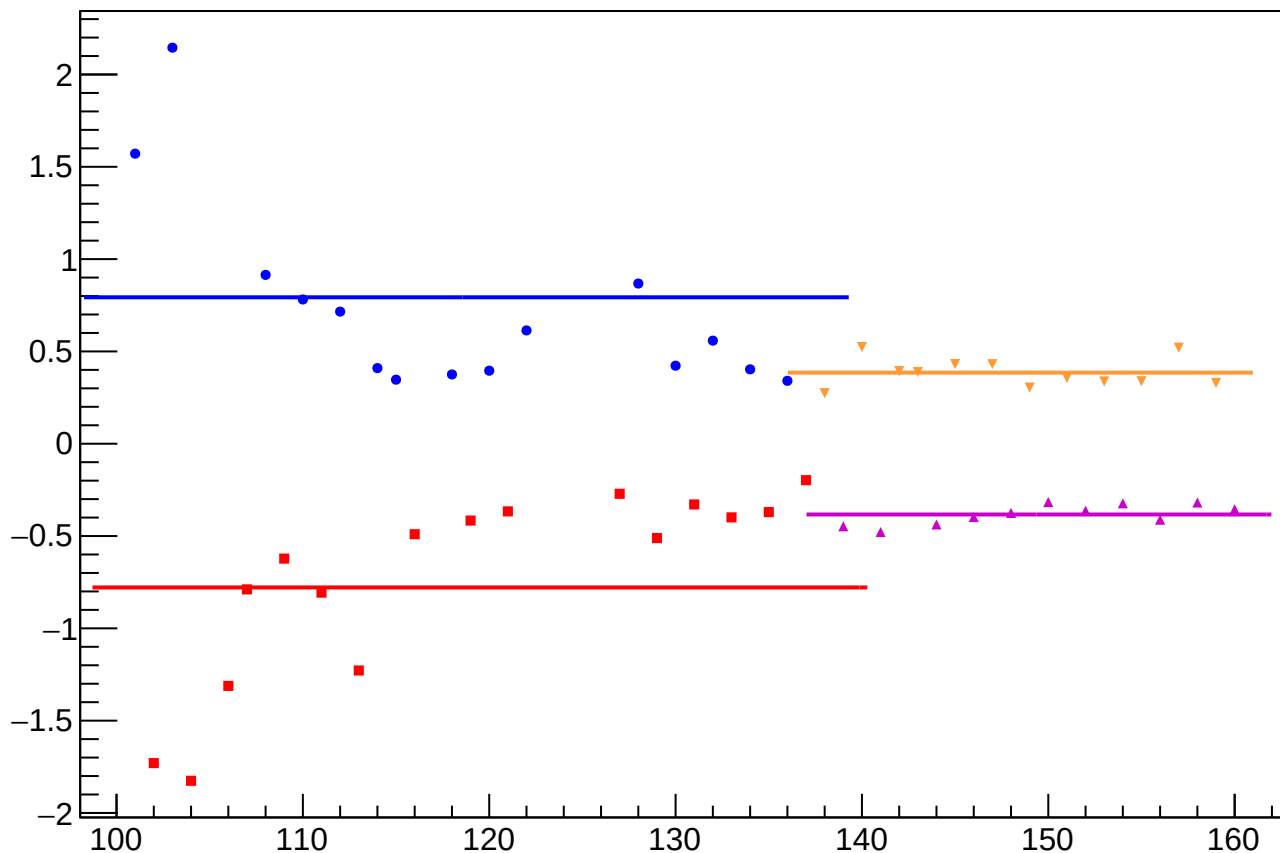
Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_4eY_coil3_mean vs Slug, Sign Corrected



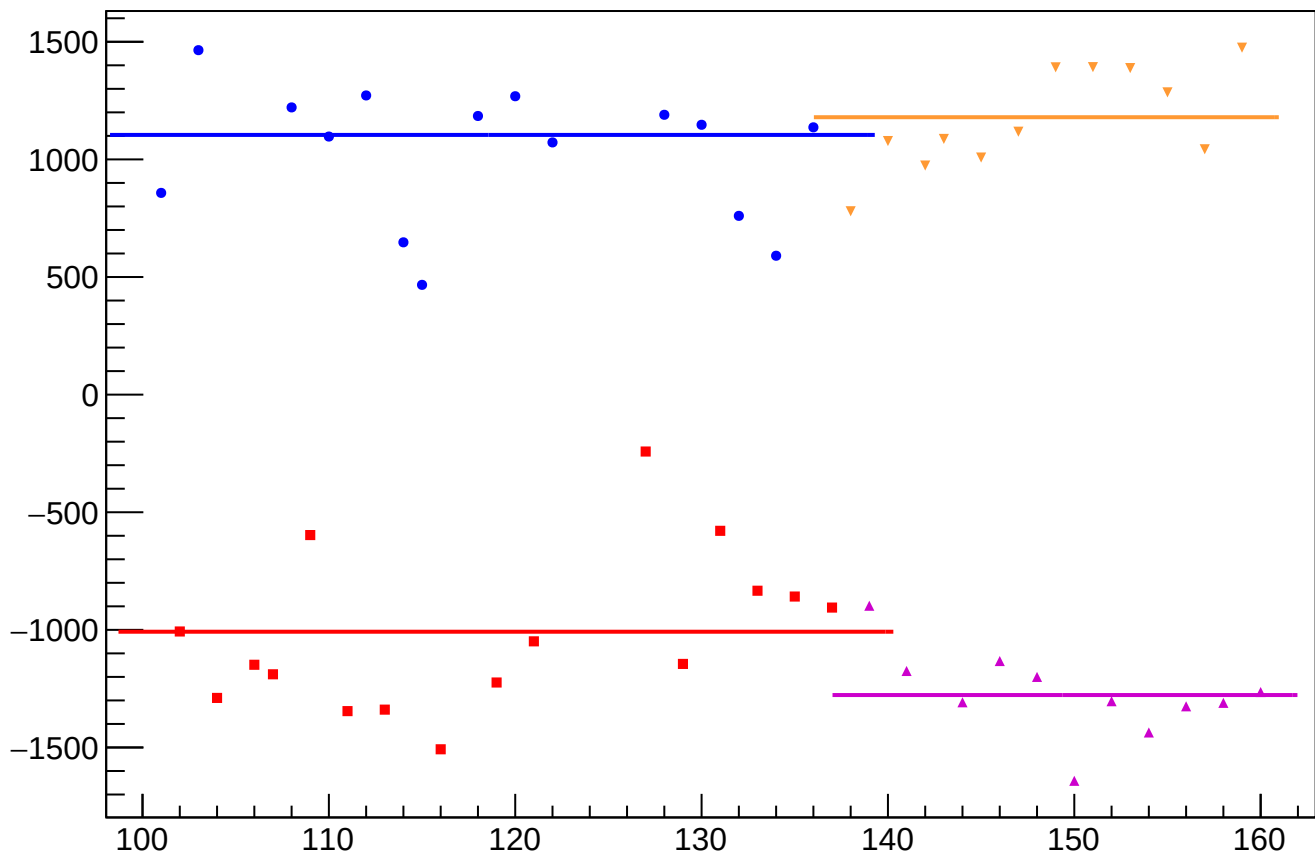
Right In: 4.275 ± 0.000 $\chi^2/\text{NDF}: 597188707898198851792415435522048.0/14$
 Left Out: 4.030 ± 0.000 $\chi^2/\text{NDF}: 600797720921367466879695481470976.0/11$
 Right Out: -4.039 ± 0.000 $\chi^2/\text{NDF}: 772368848194464324973108765130752.0/15$
 Left In: -4.432 ± 0.000 $\chi^2/\text{NDF}: 345602703191245770554210363899904.0/10$
 All: -0.105 ± 0.000 $\chi^2/\text{NDF}: 5801697378090$

dit_4eY_coil3_err_mean vs Slug, Sign Corrected



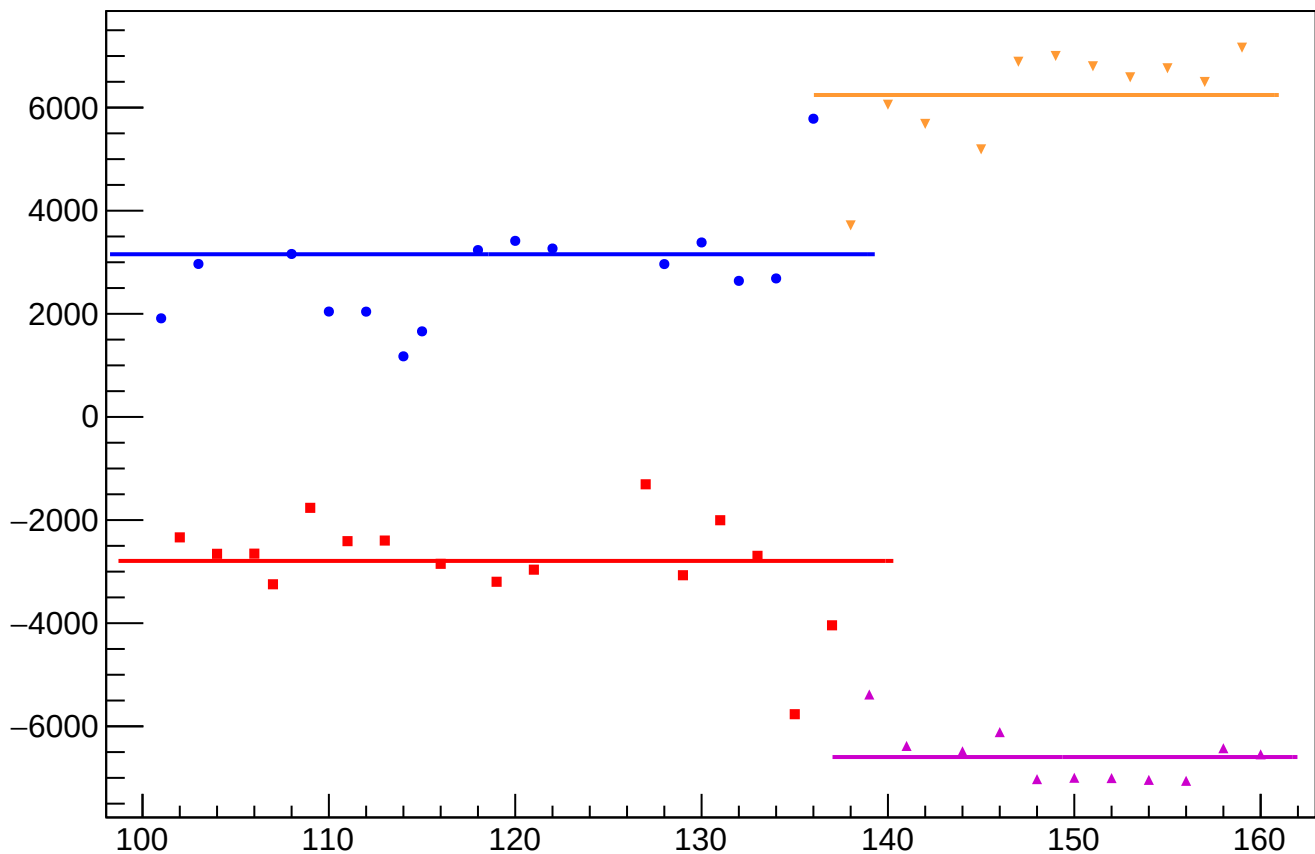
Right In: 0.793 ± 0.000 $\chi^2/\text{NDF}: 195508777173589483440314700005376.0/14$
 Left Out: 0.385 ± 0.000 $\chi^2/\text{NDF}: 5547784180240414411423653822464.0/11$
 Right Out: -0.778 ± 0.000 $\chi^2/\text{NDF}: 185814635772183306063903690063872.0/15$
 Left In: -0.383 ± 0.000 $\chi^2/\text{NDF}: 2618375268437967875049691021312.0/10$
 All: -0.002 ± 0.000 $\chi^2/\text{NDF}: 1473239916142$

dit_4eY_coil3_Ndata_mean vs Slug, Sign Corrected



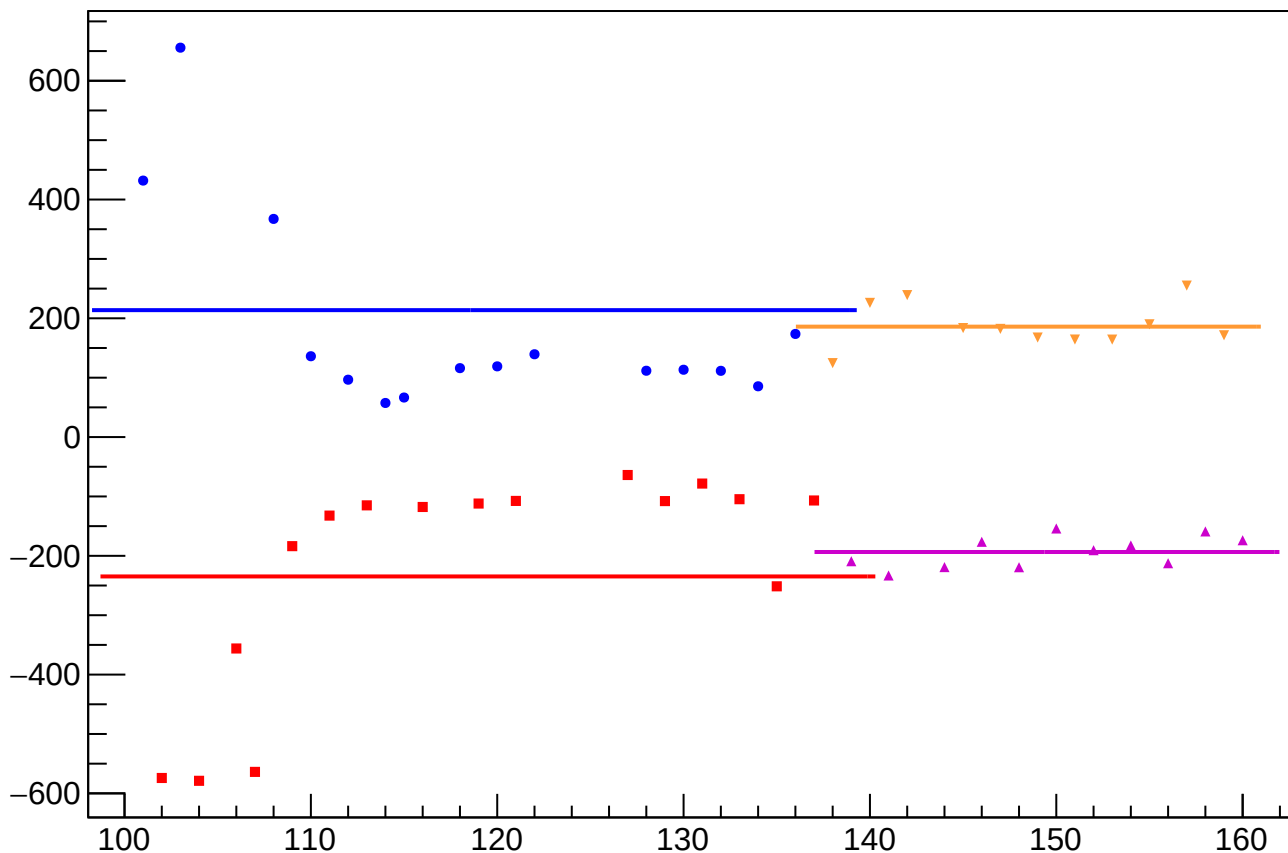
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_usl_coil3_mean vs Slug, Sign Corrected



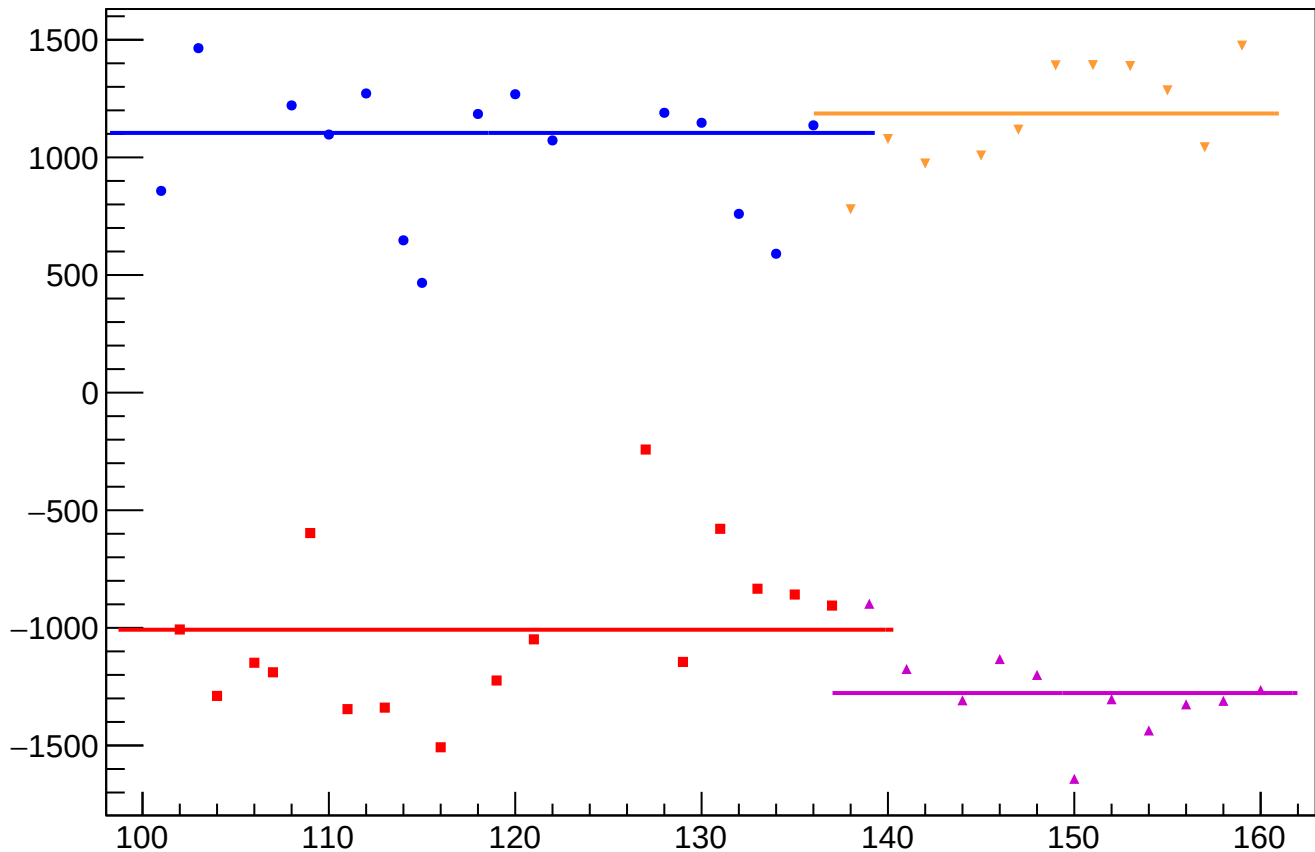
Right In: 3155.434+/-0.000 χ^2/NDF : 903550534773622902110918214033612996608.0/14
 Left Out: 6243.976+/-0.000 χ^2/NDF : 811230786168378302780139165688711348224.0/10
 Right Out: -2792.245+/-0.000 χ^2/NDF : 674635749324173001973264427530986717184.0/15
 Left In: -6595.861+/-0.000 χ^2/NDF : 225164805715400368671043826745864093696.0/10
 All: -200.997+/-0.000 χ^2/NDF : 87373315799

dit_usl_coil3_err_mean vs Slug, Sign Corrected



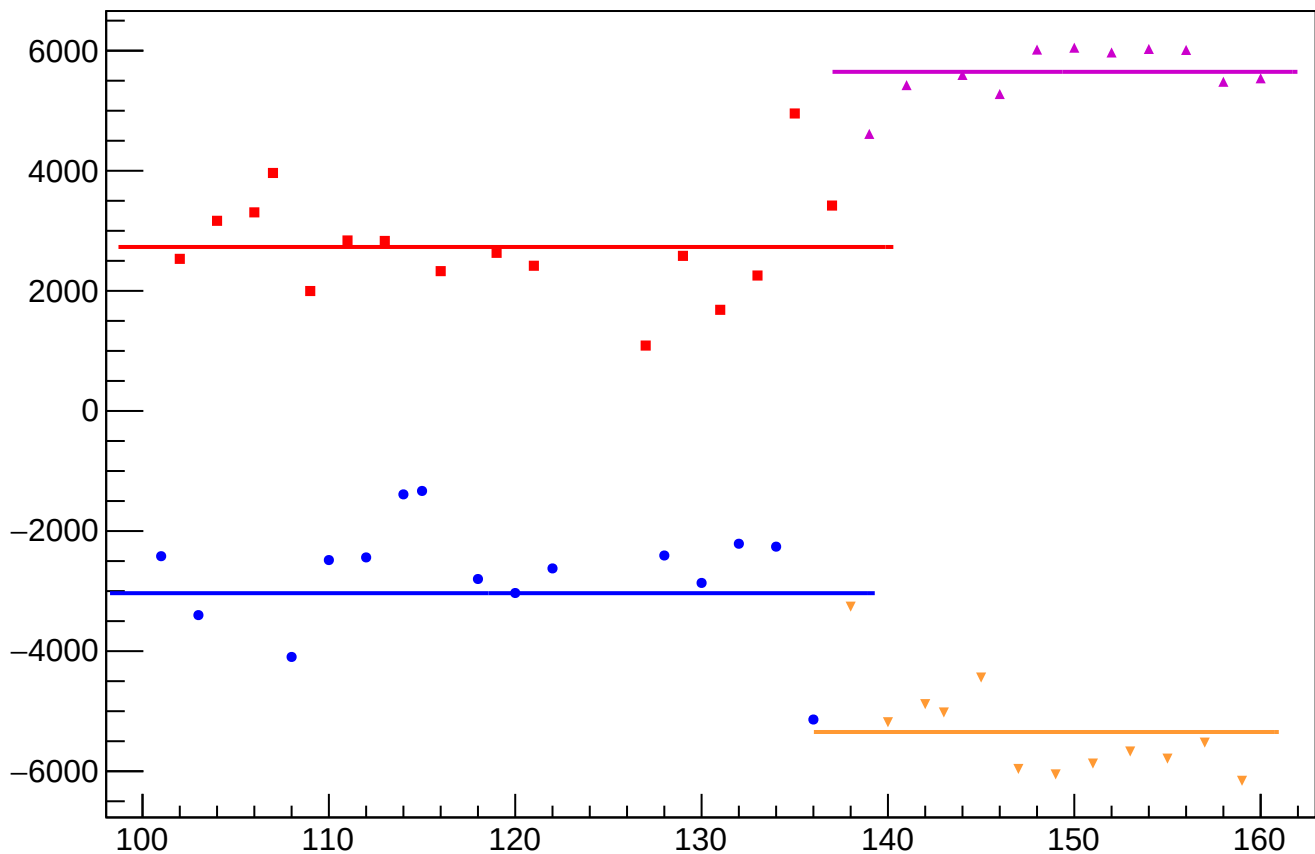
Right In: 213.739+/-0.000 χ^2/NDF : 19718138109054002114361149860507287552.0/14
 Left Out: 185.948+/-0.000 χ^2/NDF : 1057706607595767583587974846640816128.0/10
 Right Out: -234.712+/-0.000 χ^2/NDF : 24013134107167214895189050481067425792.0/15
 Left In: -193.543+/-0.000 χ^2/NDF : 598931150644293332680217057881489408.0/10
 All: -12.690+/-0.000 χ^2/NDF : 175183232937

dit_usl_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1186.635+/-0.000 χ^2/NDF : 38127290182419373090636614603236179968.0/10
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -42.327+/-0.000 χ^2/NDF : 433243619432

dit_usr_coil3_mean vs Slug, Sign Corrected



Right In: -3034.527+/-0.000

Left Out: -5346.287+/-0.000

Right Out: 2731.035+/-0.000

Left In: 5647.632+/-0.000

χ^2/NDF : 630694553353463868547335175090919702528.0/14

χ^2/NDF : 595830455774800553383002095782337708032.0/11

χ^2/NDF : 528290847703567991555694629239211950080.0/15

χ^2/NDF : 164214312908035645215126356935491715072.0/10

Left: 180.580+/-0.000 χ^2/NDF : 5629644567862069

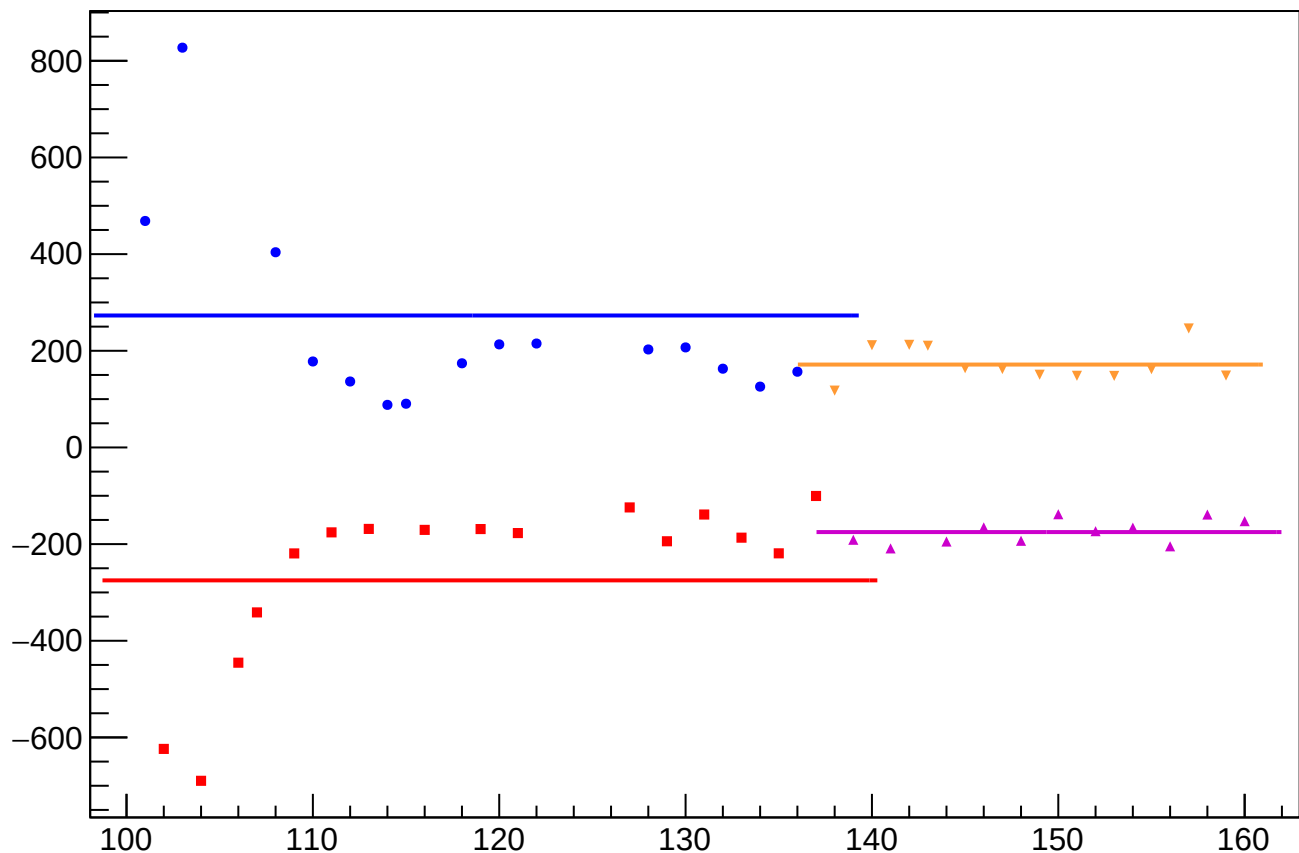
Right: -112.316+/-0.000 χ^2/NDF : 12093460154256

In: 2065.482+/-0.000 χ^2/NDF : 2953204271382502

Out: -1938.587+/-0.000 χ^2/NDF : 26282051967126

All: 58.370+/-0.000 χ^2/NDF : 6845569684778

dit_usr_coil3_err_mean vs Slug, Sign Corrected



Right In: 273.039+/-0.000

χ^2/NDF : 26485935053341175092913795212184125440.0/14

Left Out: 171.517+/-0.000

χ^2/NDF : 1162204446124418452265763444206075904.0/11

Right Out: -275.044+/-0.000

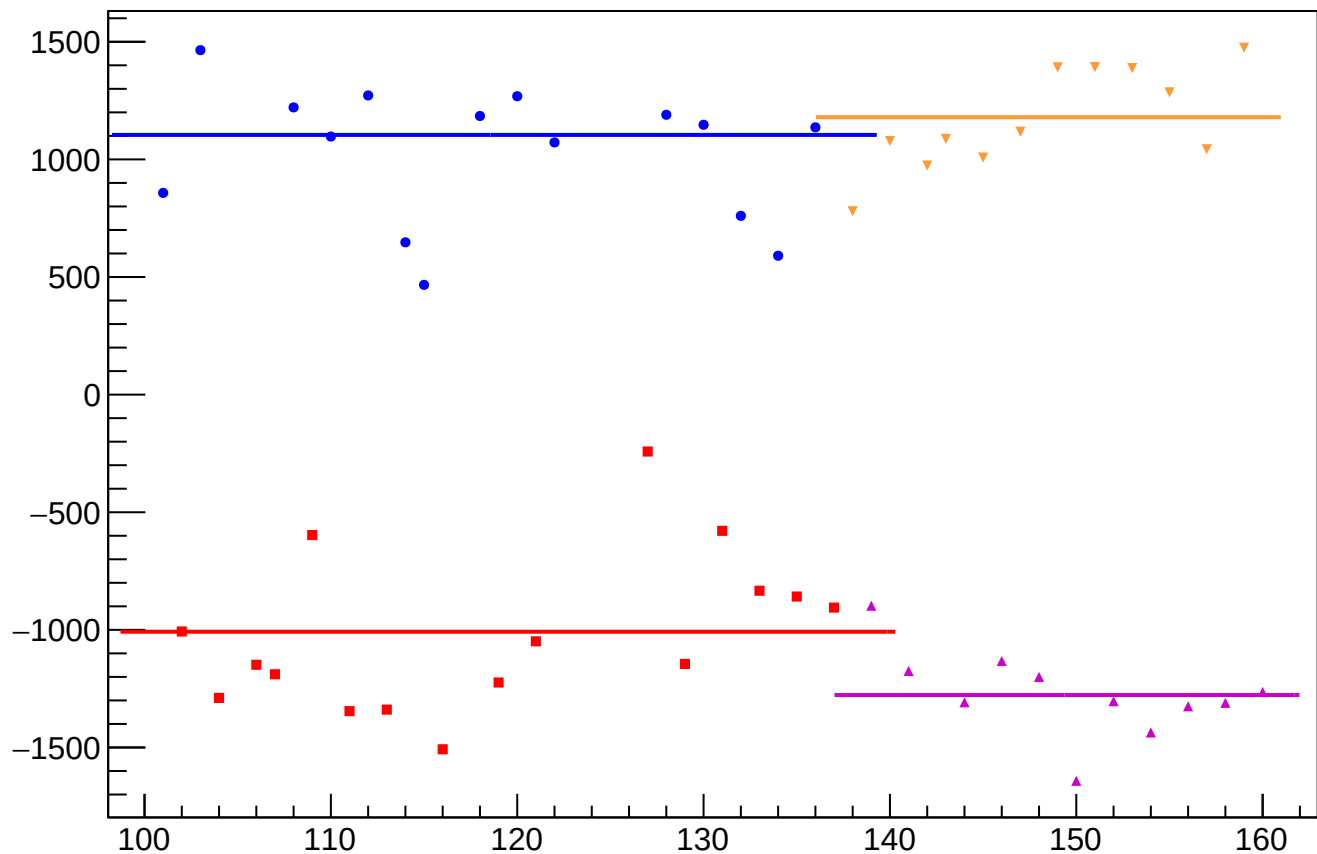
χ^2/NDF : 22264760088752901792561892991657050112.0/15

Left In: -175.100+/-0.000

χ^2/NDF : 532319905760316522814470909096624128.0/10

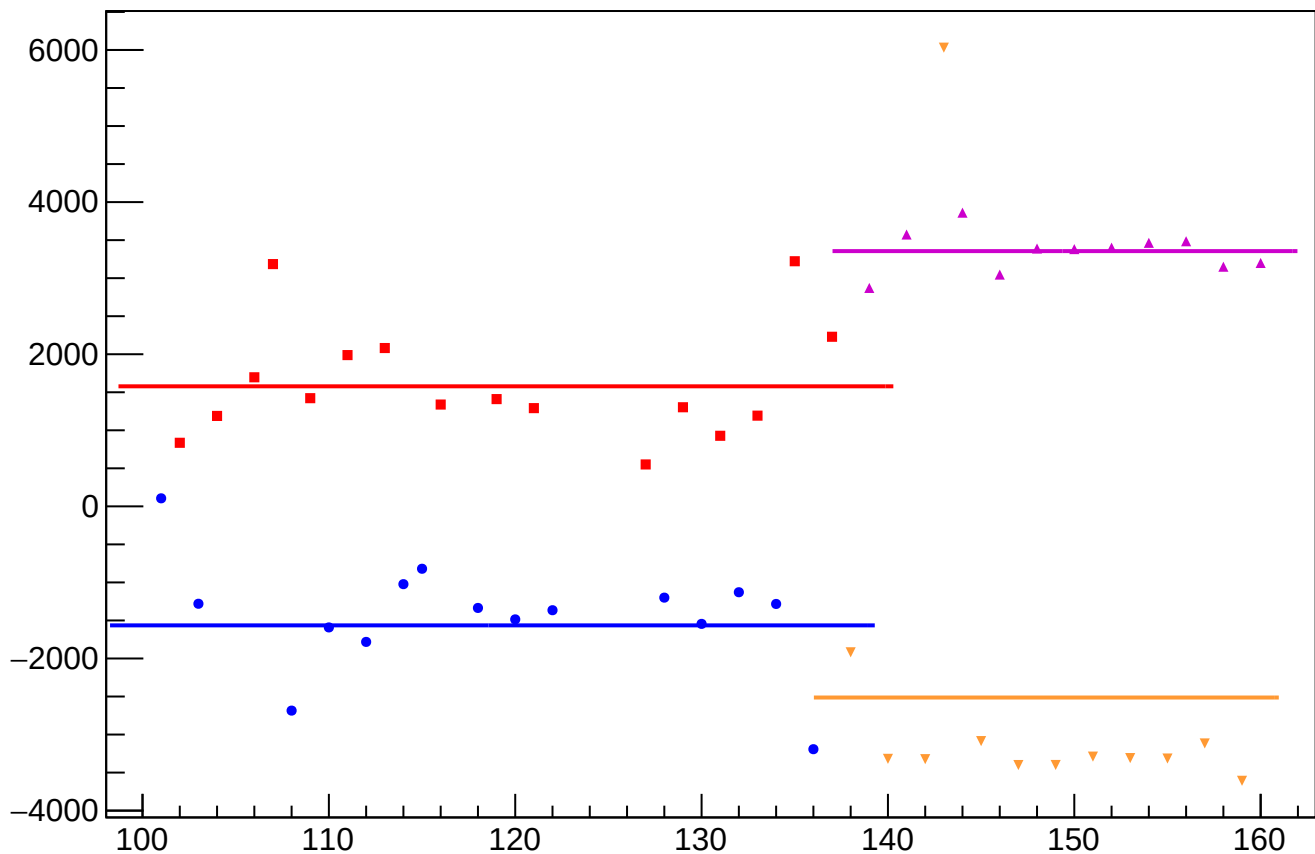
Left: -2.734+/-0.000 χ^2/NDF : 56898976586589757
 Right: -4.751+/-0.000 χ^2/NDF : 1475618476041152
 In: 9.796+/-0.000 χ^2/NDF : 1035802601602277092
 Out: -16.880+/-0.000 χ^2/NDF : 1003225780915381
 All: -3.576+/-0.000 χ^2/NDF : 2044639421545

dit_usr_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_atl1_coil3_mean vs Slug, Sign Corrected



Right In: -1564.595+/-0.000

Left Out: -2513.182+/-0.000

Right Out: 1578.178+/-0.000

Left In: 3355.712+/-0.000

χ^2/NDF : 483874800978571042578975757029039144960.0/14

χ^2/NDF : 5431127813565364988673729418683400323072.0/11

χ^2/NDF : 368450572556217564071963203581098590208.0/15

χ^2/NDF : 61603128430044333980990125877093203968.0/10

Left: 437.231+/-0.000 χ^2/NDF : 2131924326486959

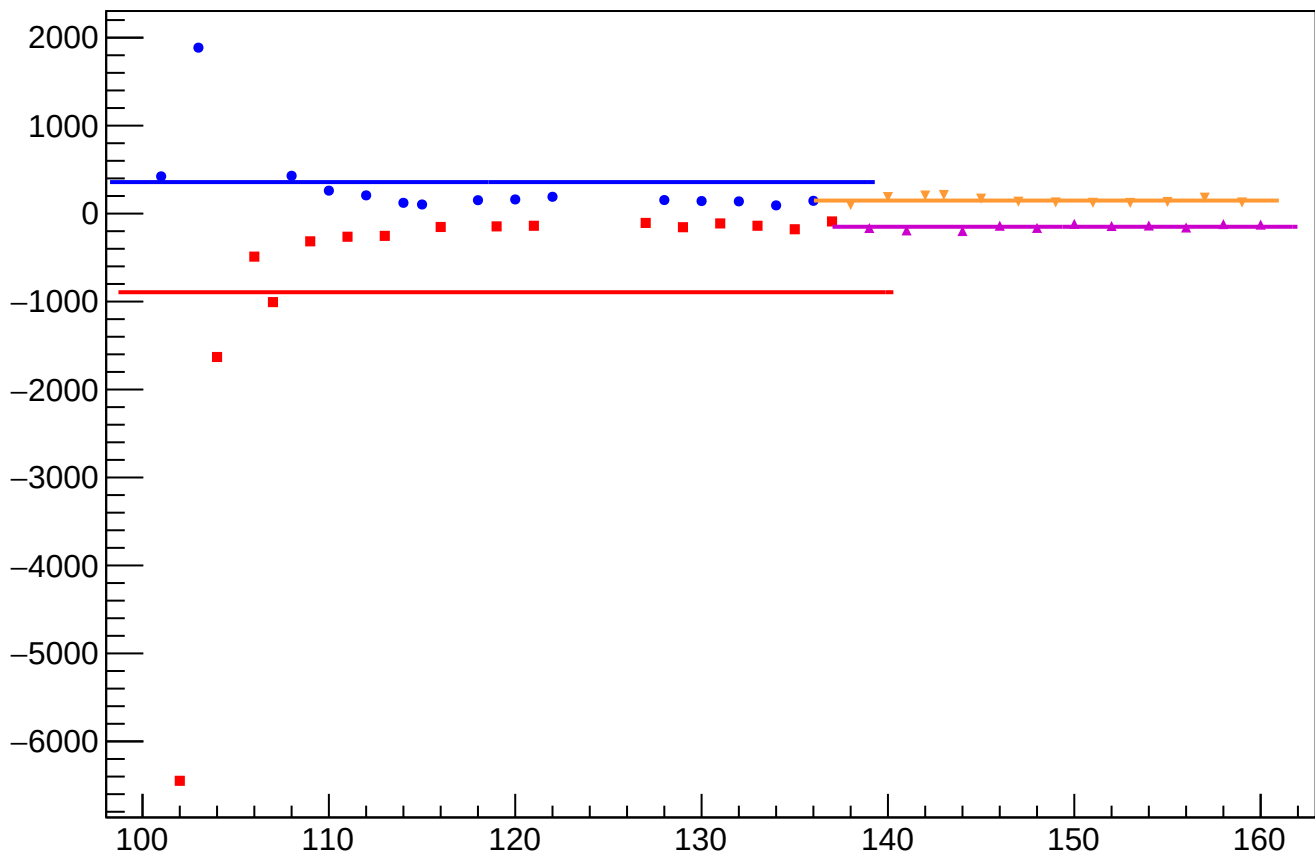
Right: 28.285+/-0.000 χ^2/NDF : 4101258280925694

In: 1325.655+/-0.000 χ^2/NDF : 9774855555761575

Out: -787.099+/-0.000 χ^2/NDF : 122542710245159

All: 266.599+/-0.000 χ^2/NDF : 255487557311

dit_atl1_coil3_err_mean vs Slug, Sign Corrected



Right In: 358.080+/-0.000

χ^2/NDF : 157922789145697858165644452090202816512.0/14

Left Out: 148.359+/-0.000

χ^2/NDF : 1090286331733366082581256970807803904.0/11

Right Out: -893.897+/-0.000

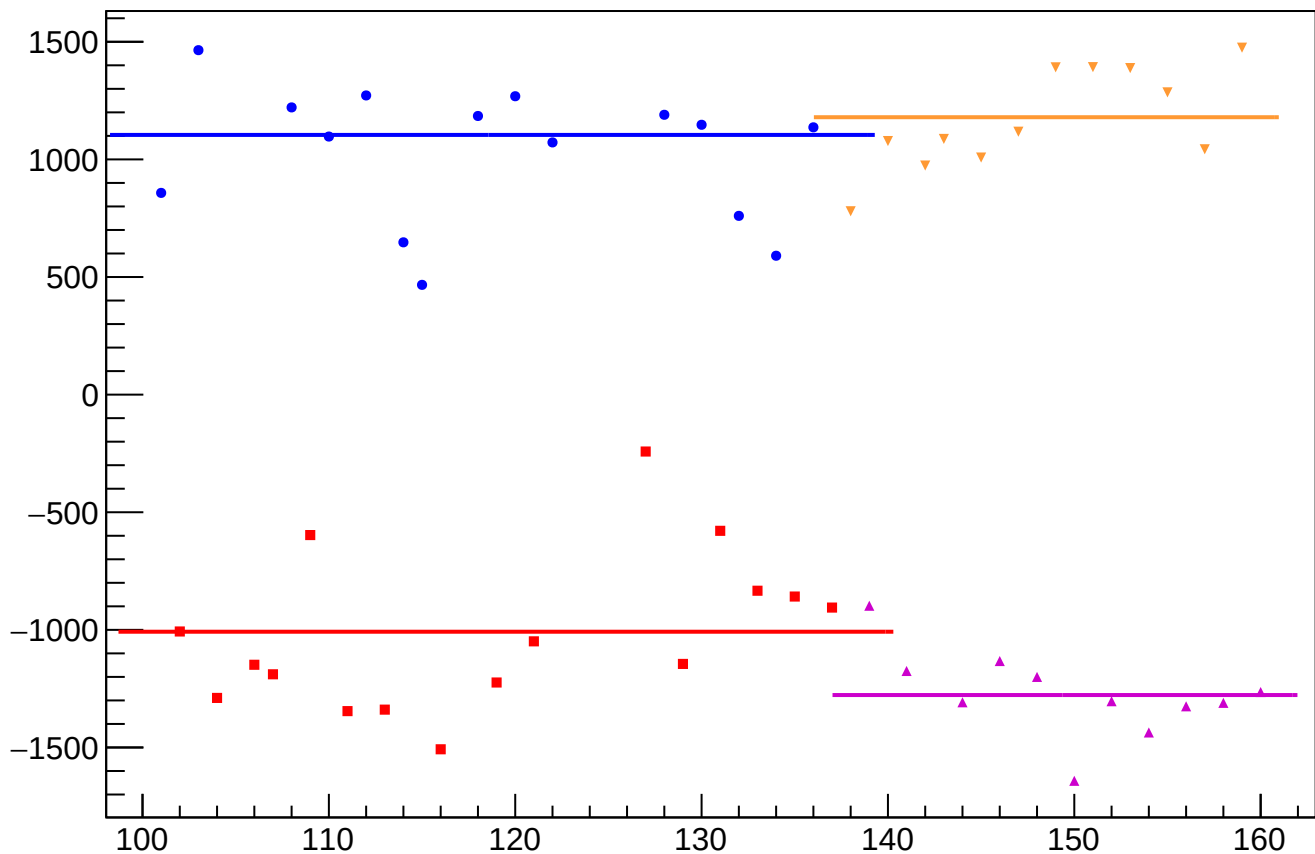
χ^2/NDF : 2075920155774201043572695656797803905024.0/15

Left In: -149.829+/-0.000

χ^2/NDF : 645756718172892804384604635004928000.0/10

All: -116.258+/-0.000 χ^2/NDF : 28499930865

dit_atl1_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000

χ^2/NDF : 32737841591587454251521906421545304064.0/14

Left Out: 1179.336+/-0.000

χ^2/NDF : 38742916032610862911819544133355175936.0/11

Right Out: -1007.906+/-0.000

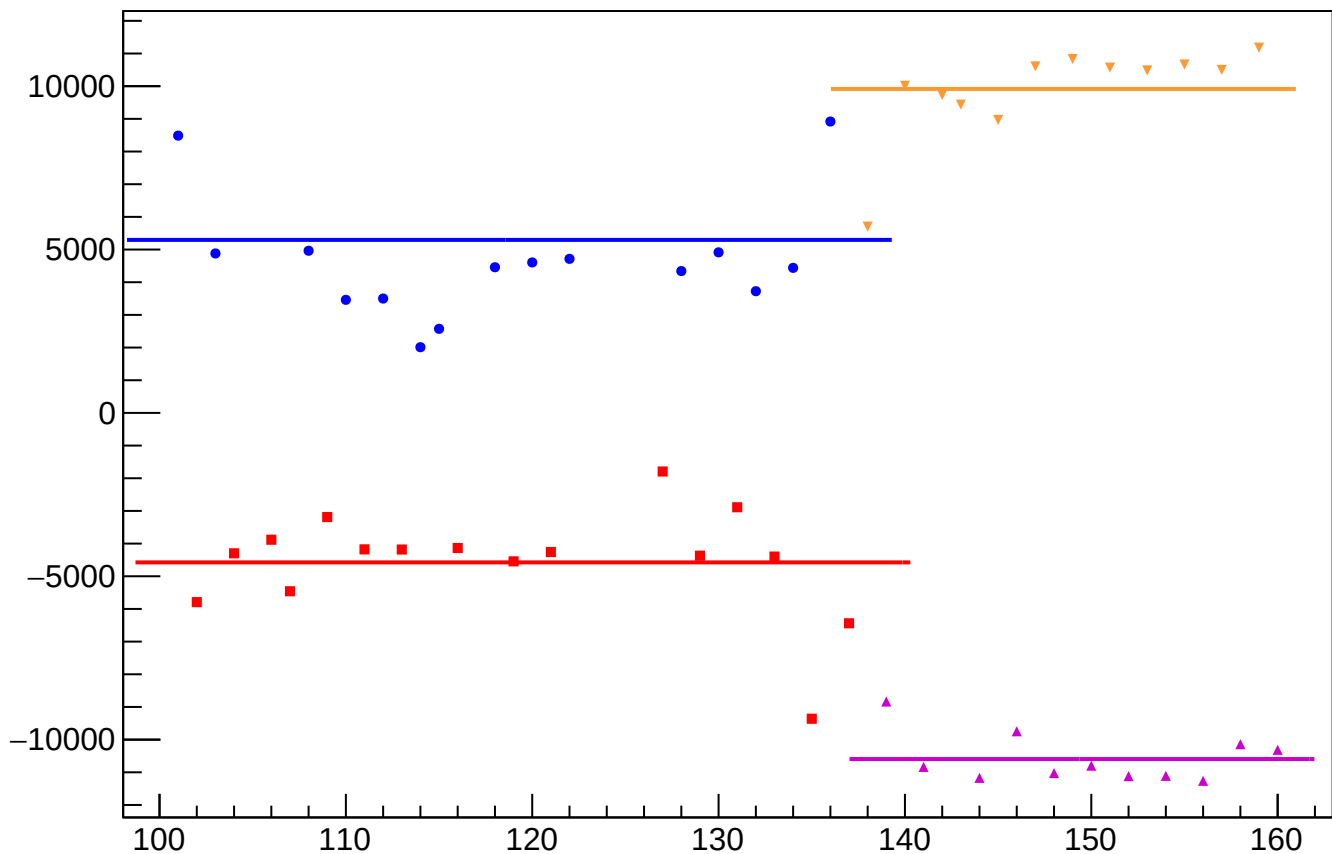
χ^2/NDF : 69077878009873965622695939627477368832.0/15

Left In: -1277.097+/-0.000

χ^2/NDF : 29578729901602647998073818936097374208.0/10

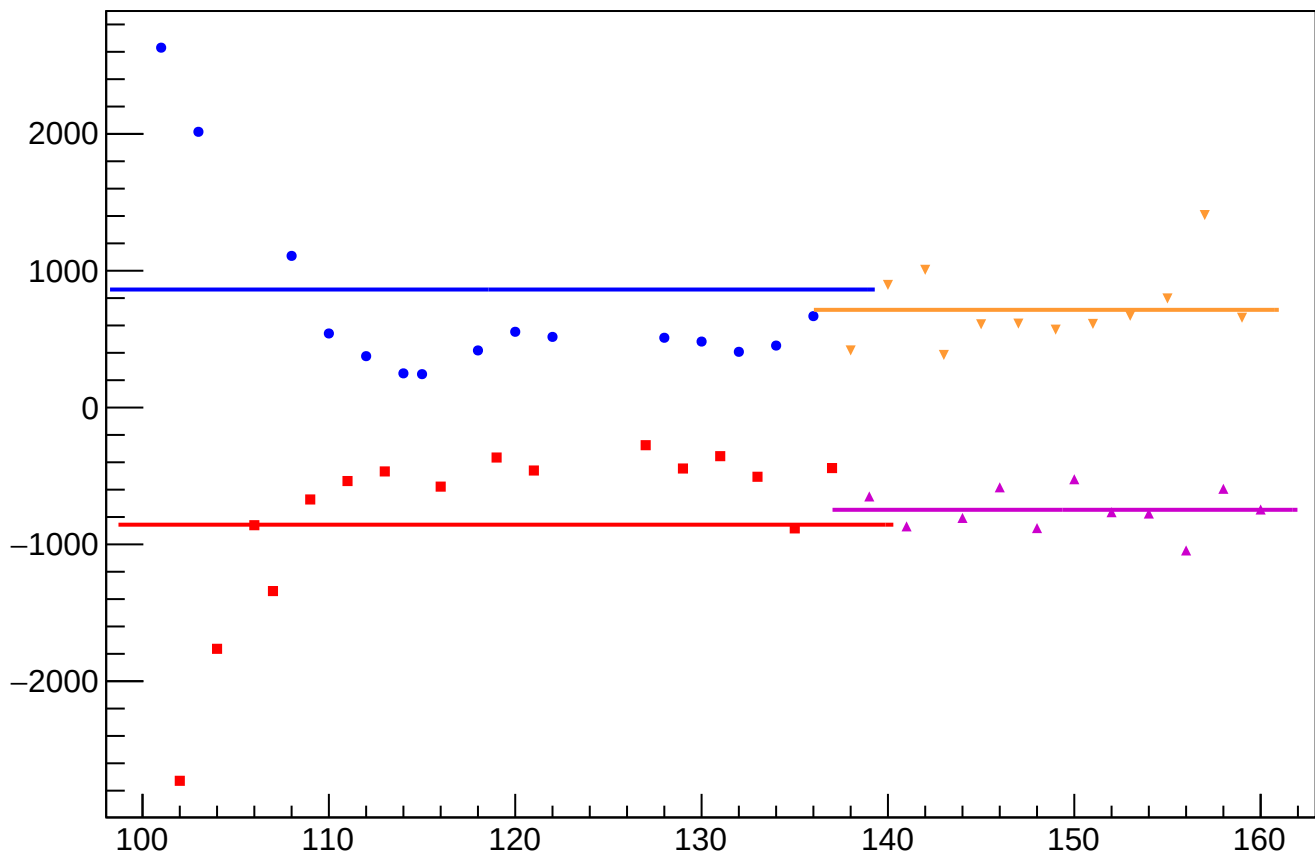
All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_atl2_coil3_mean vs Slug, Sign Corrected



Right In: 5295.485+/-0.000 χ^2/NDF : 2505645232968263275444048016093183213568.0/14
 Left Out: 9916.420+/-0.000 χ^2/NDF : 1840714392757174837254481771479116546048.0/11
 Right Out: -4575.270+/-0.000 χ^2/NDF : 1863322094770403739096100800072716910592.0/15
 Left In: -10594.095+/-0.000 χ^2/NDF : 469955671378487676963254464485150162944.0/10
 All: -107.886+/-0.000 χ^2/NDF : 23238819396

dit_atl2_coil3_err_mean vs Slug, Sign Corrected



Right In: 862.683 +/- 0.000

χ^2/NDF : 337684000863819315026459106525759668224.0/14

Left Out: 714.221 +/- 0.000

χ^2/NDF : 63936823657083124140922251637065515008.0/11

Right Out: -856.059 +/- 0.000

χ^2/NDF : 327195216546444767148716224688288694272.0/15

Left In: -747.275 +/- 0.000

χ^2/NDF : 19678847395727730098310642242030665728.0/10

Left: -20.503 +/- 0.000 χ^2/NDF : 1065064961511877

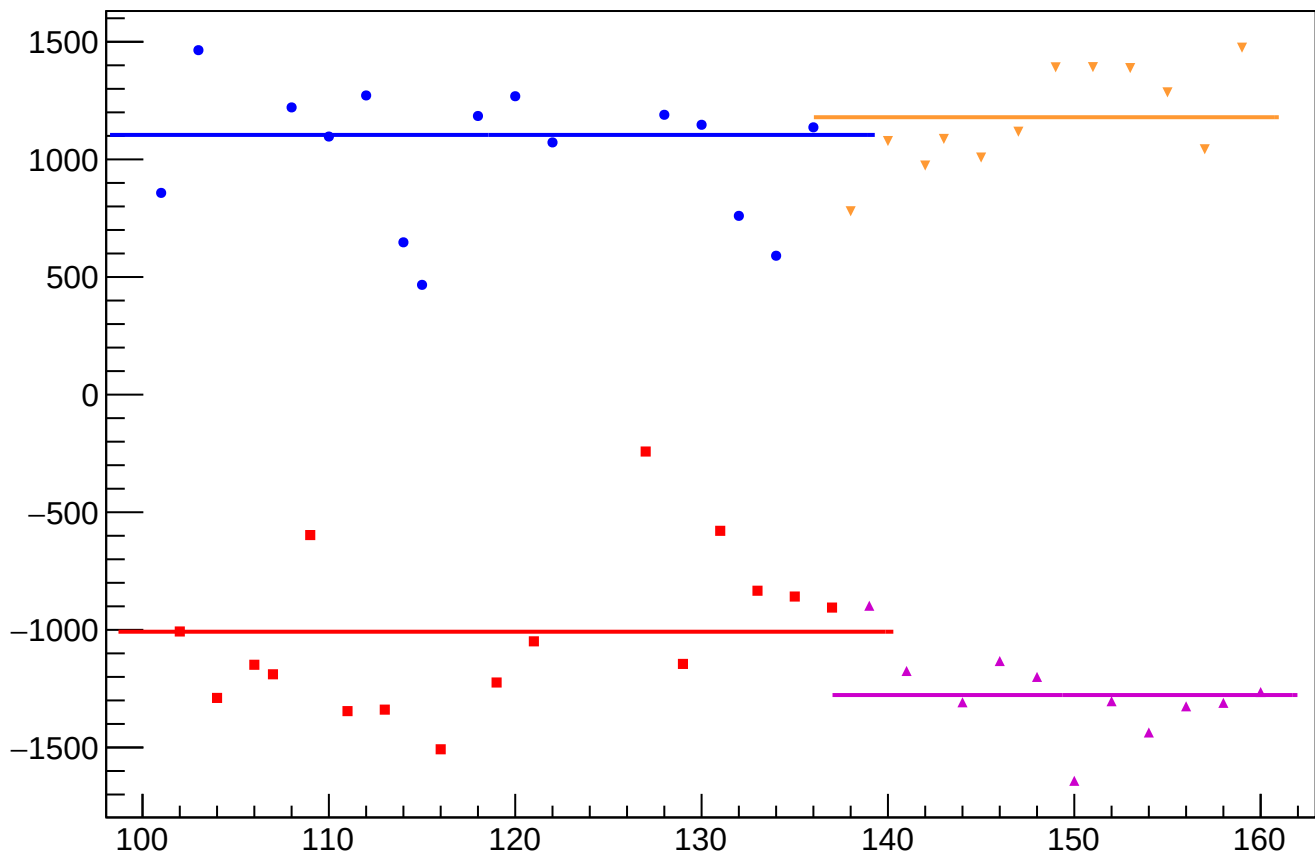
Right: -8.442 +/- 0.000 χ^2/NDF : 1636587396882894

In: -83.027 +/- 0.000 χ^2/NDF : 13454995318402178

Out: 51.744 +/- 0.000 χ^2/NDF : 13419429235658595

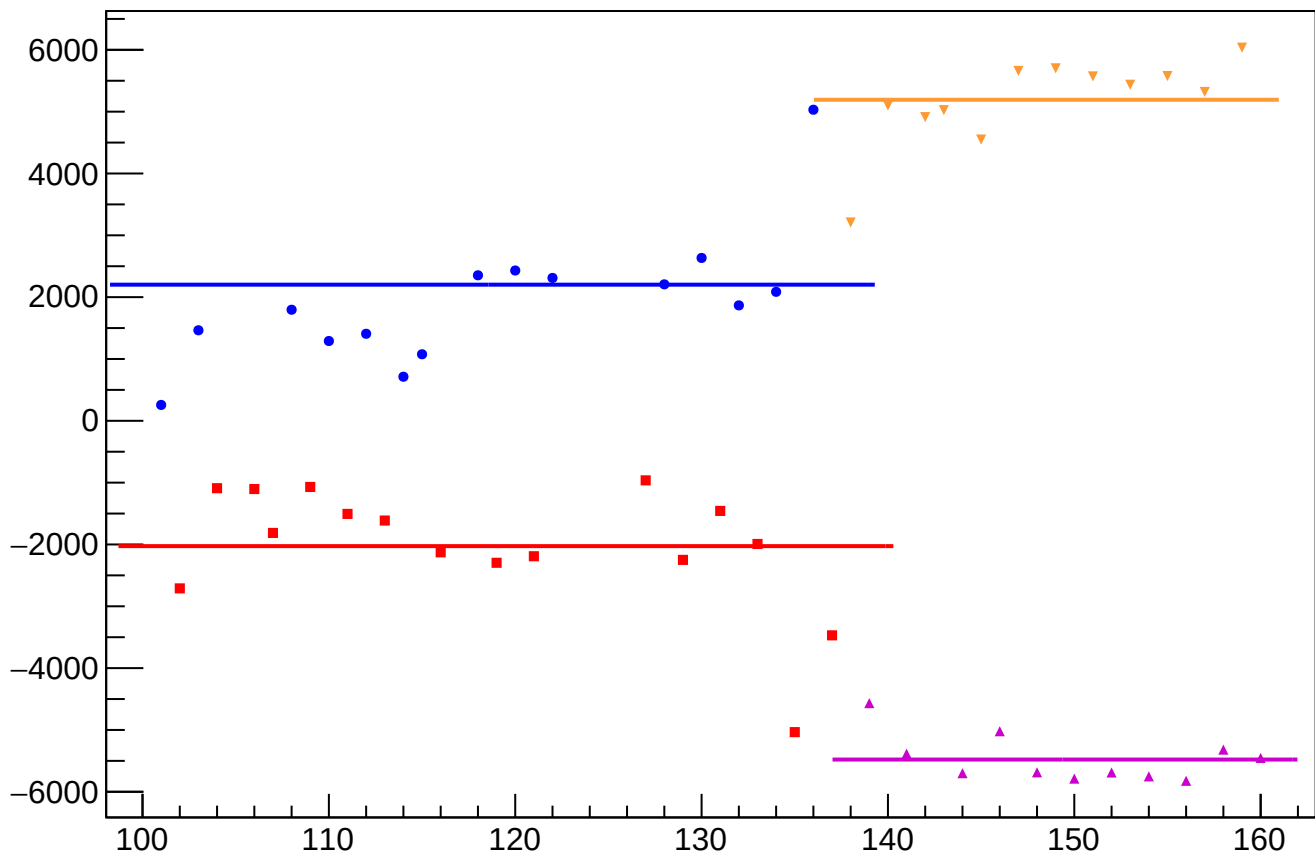
All: -15.471 +/- 0.000 χ^2/NDF : 270176391125

dit_atl2_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_atr1_coil3_mean vs Slug, Sign Corrected



Right In: 2201.844+/-0.000

χ^2/NDF : 1086544775216266395419904724422998622208.0/14

Left Out: 5192.476+/-0.000

χ^2/NDF : 470317118435532937200148346508624789504.0/11

Right Out: -2026.969+/-0.000

χ^2/NDF : 708626456603410705124518299956645199872.0/15

Left In: -5478.713+/-0.000

χ^2/NDF : 124186054771424011873849346802583601152.0/10

Left: -172.148+/-0.000 χ^2/NDF : 529181779614152

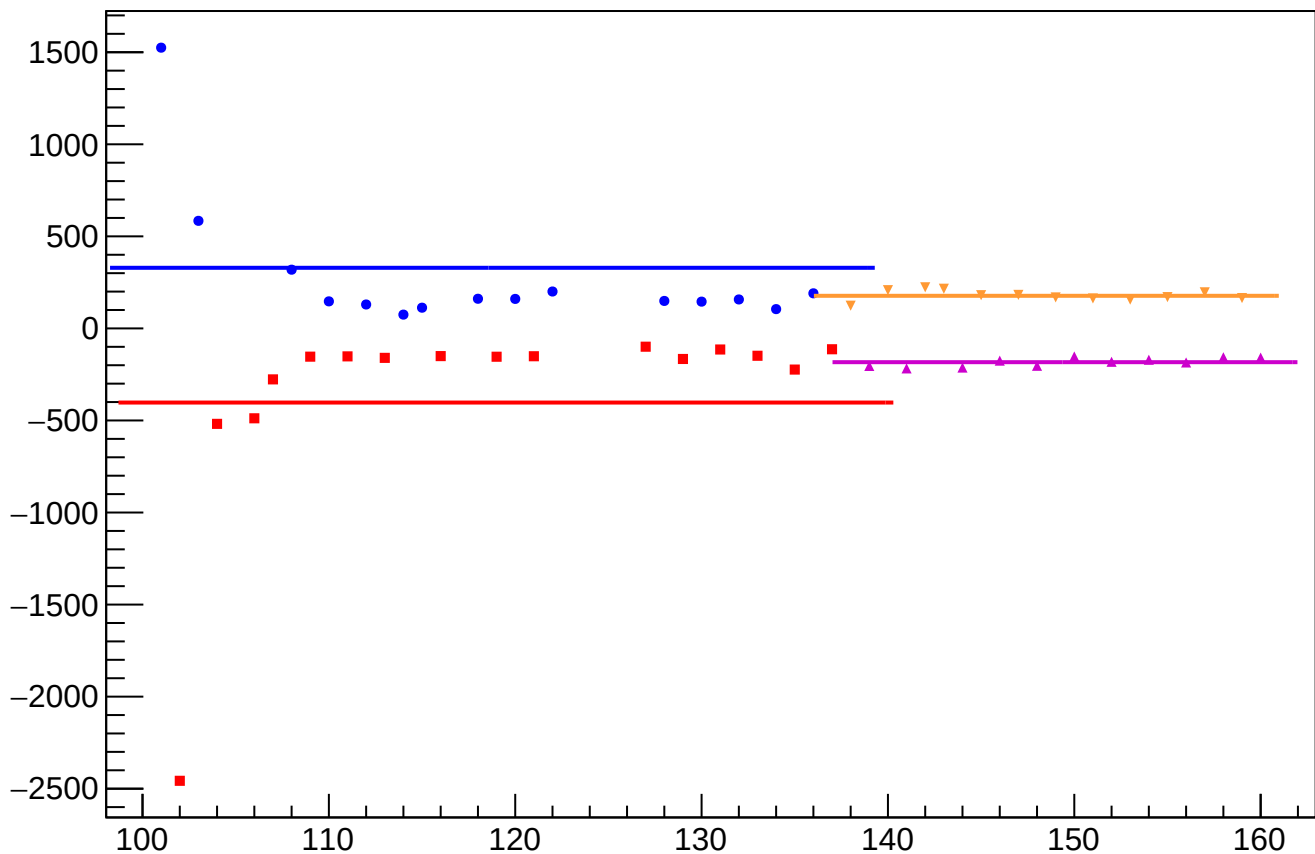
Right: 58.517+/-0.000 χ^2/NDF : 7677530711207331

In: -2309.812+/-0.000 χ^2/NDF : 236998936360445

Out: 2146.701+/-0.000 χ^2/NDF : 212767096674295

All: -75.903+/-0.000 χ^2/NDF : 606365125250

dit_atr1_coil3_err_mean vs Slug, Sign Corrected



Right In: 329.229+/-0.000

χ^2/NDF : 103285029091922742033837903437132464128.0/14

Left Out: 177.101+/-0.000

χ^2/NDF : 604256347376555065664943941601984512.0/11

Right Out: -402.690+/-0.000

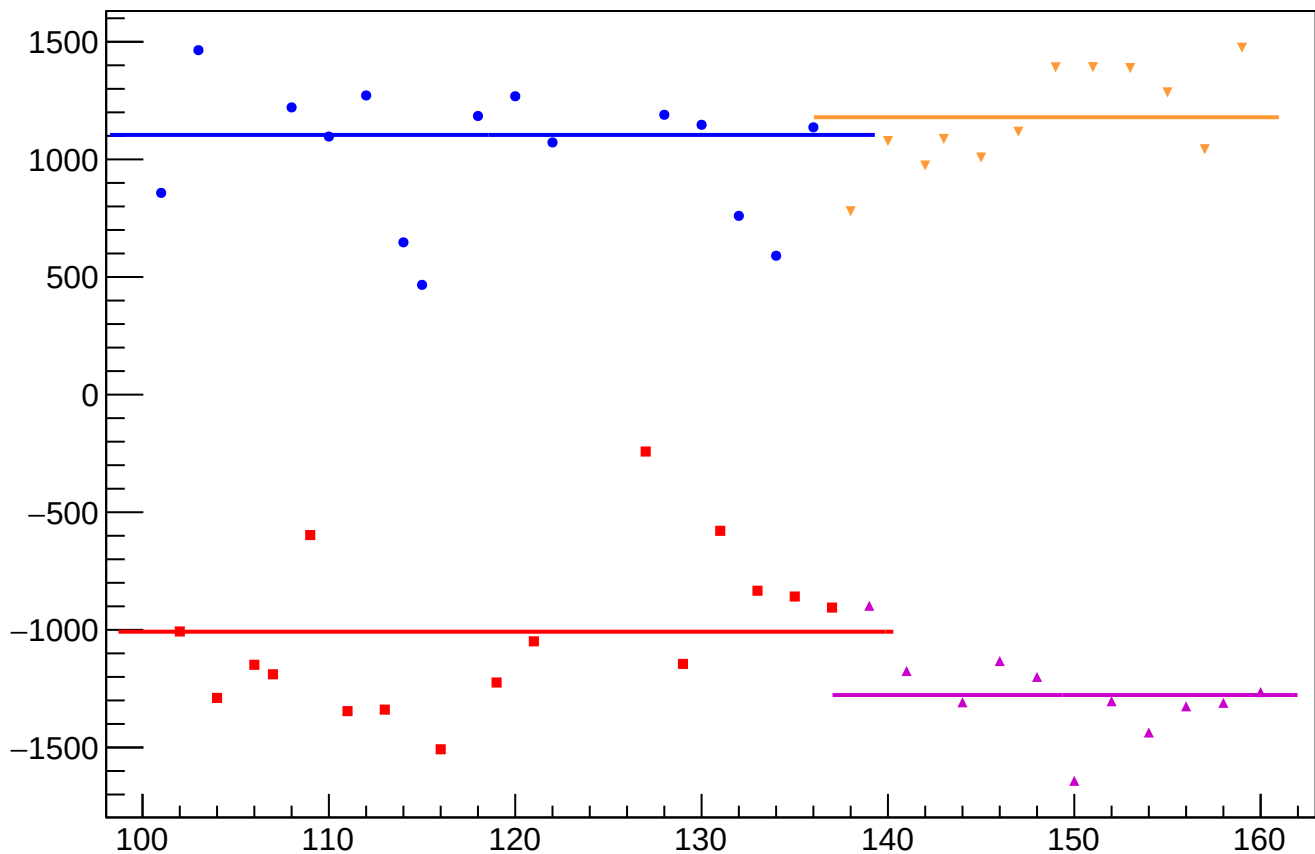
χ^2/NDF : 277636056793293374242116053515003494400.0/15

Left In: -183.411+/-0.000

χ^2/NDF : 452789814018275751637875535657304064.0/10

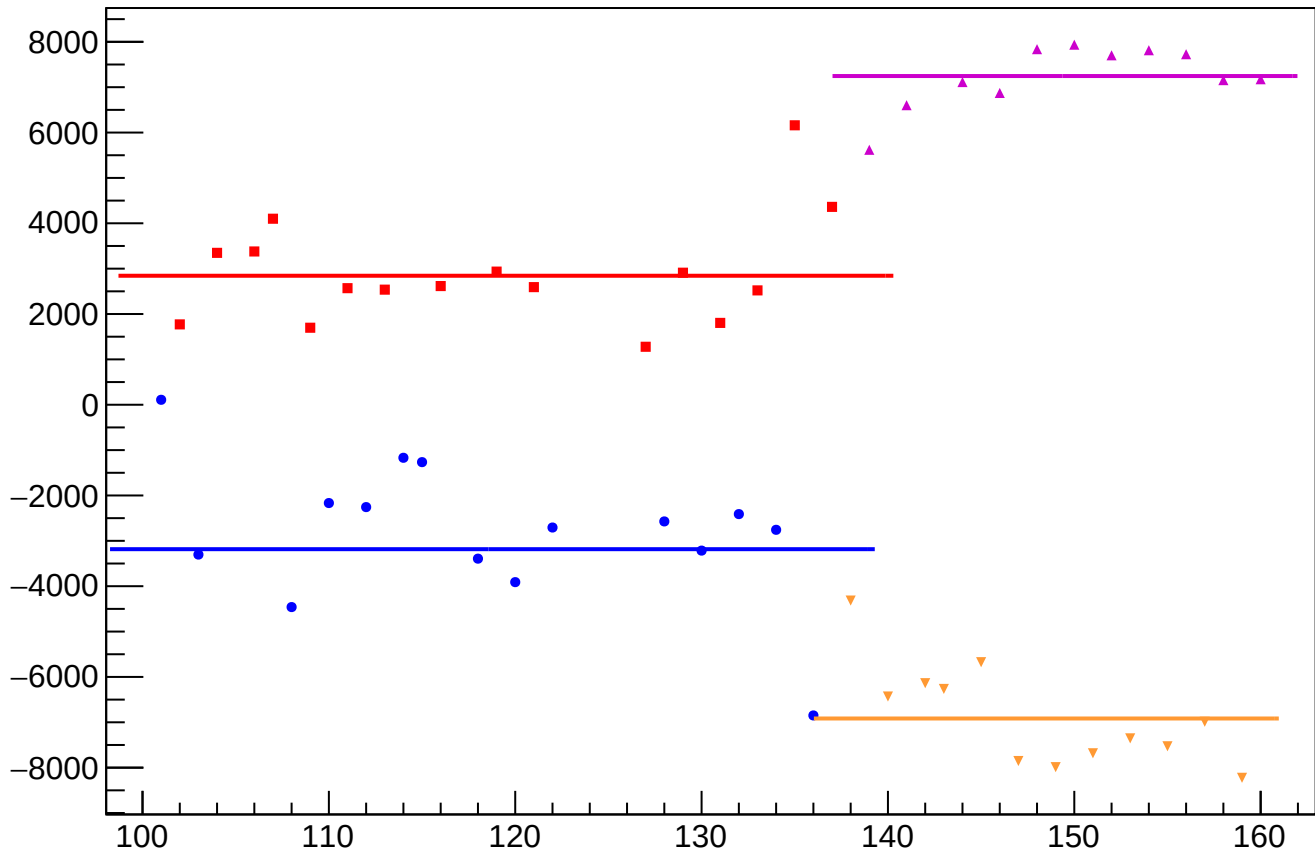
All: -19.824+/-0.000 χ^2/NDF : 618995356861

dit_atr1_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_atr2_coil3_mean vs Slug, Sign Corrected



Right In: -3183.928+/-0.000

Left Out: -6916.269+/-0.000

Right Out: 2843.597+/-0.000

Left In: 7245.920+/-0.000

χ^2/NDF : 2134923281384422537296044119642733543424.0/14

χ^2/NDF : 1116807093678978049721043579861444067328.0/11

χ^2/NDF : 947077611563723244705531091944015396864.0/15

χ^2/NDF : 401760462783969098772010925007315140608.0/10

Left: 203.352+/-0.000 χ^2/NDF : 9367664182142015

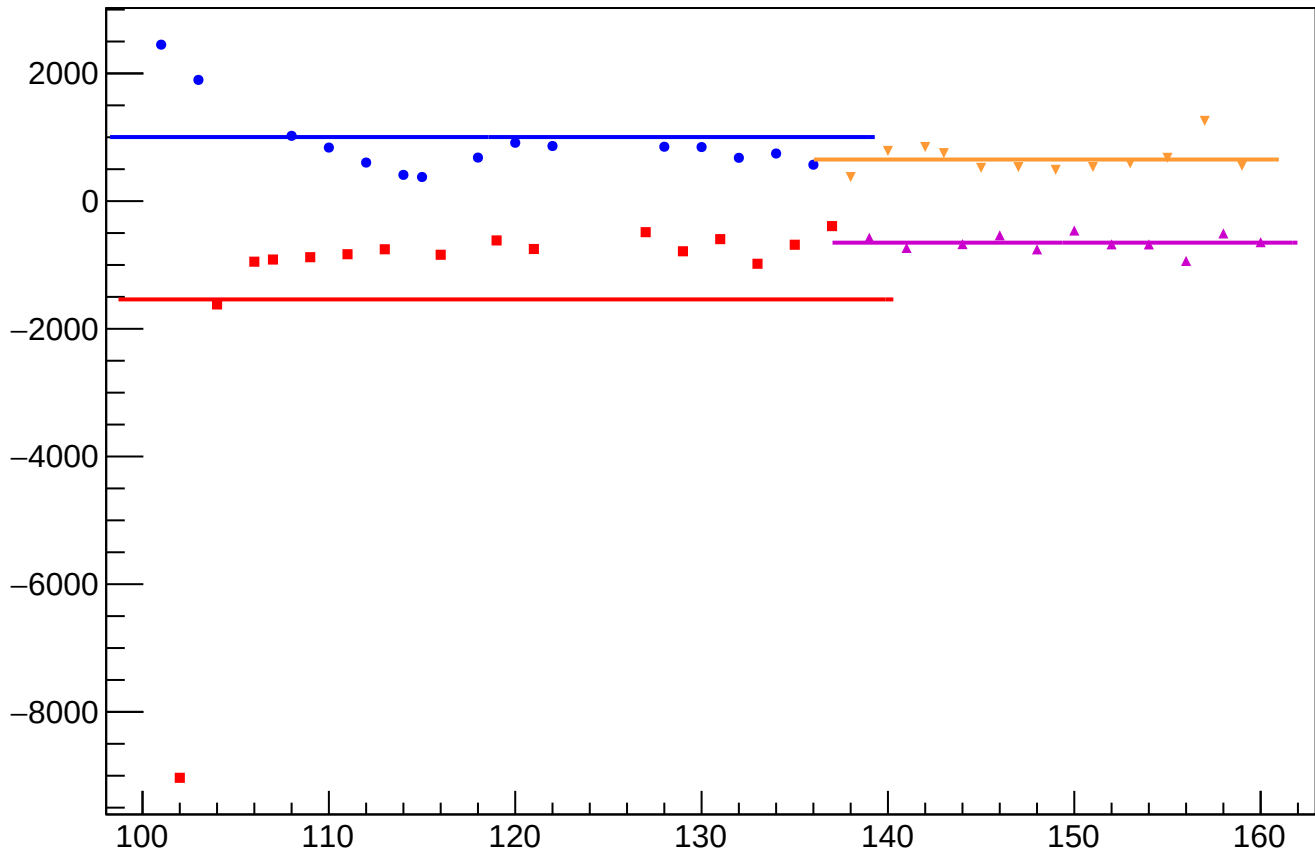
Right: -128.944+/-0.000 χ^2/NDF : 15032681342441

In: 2942.696+/-0.000 χ^2/NDF : 440076230139336

Out: -2798.729+/-0.000 χ^2/NDF : 38794467171221

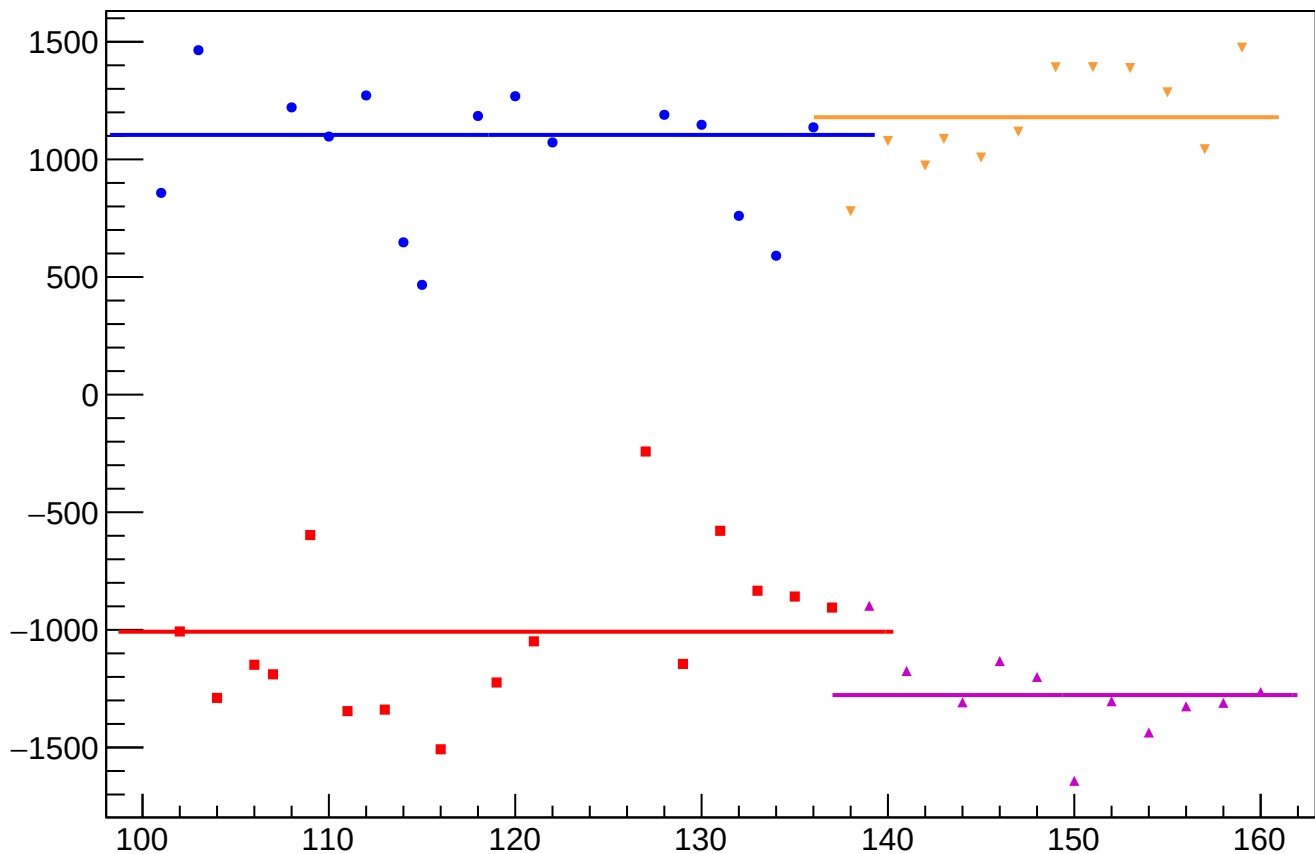
All: 64.702+/-0.000 χ^2/NDF : 1087940046919

dit_atr2_coil3_err_mean vs Slug, Sign Corrected



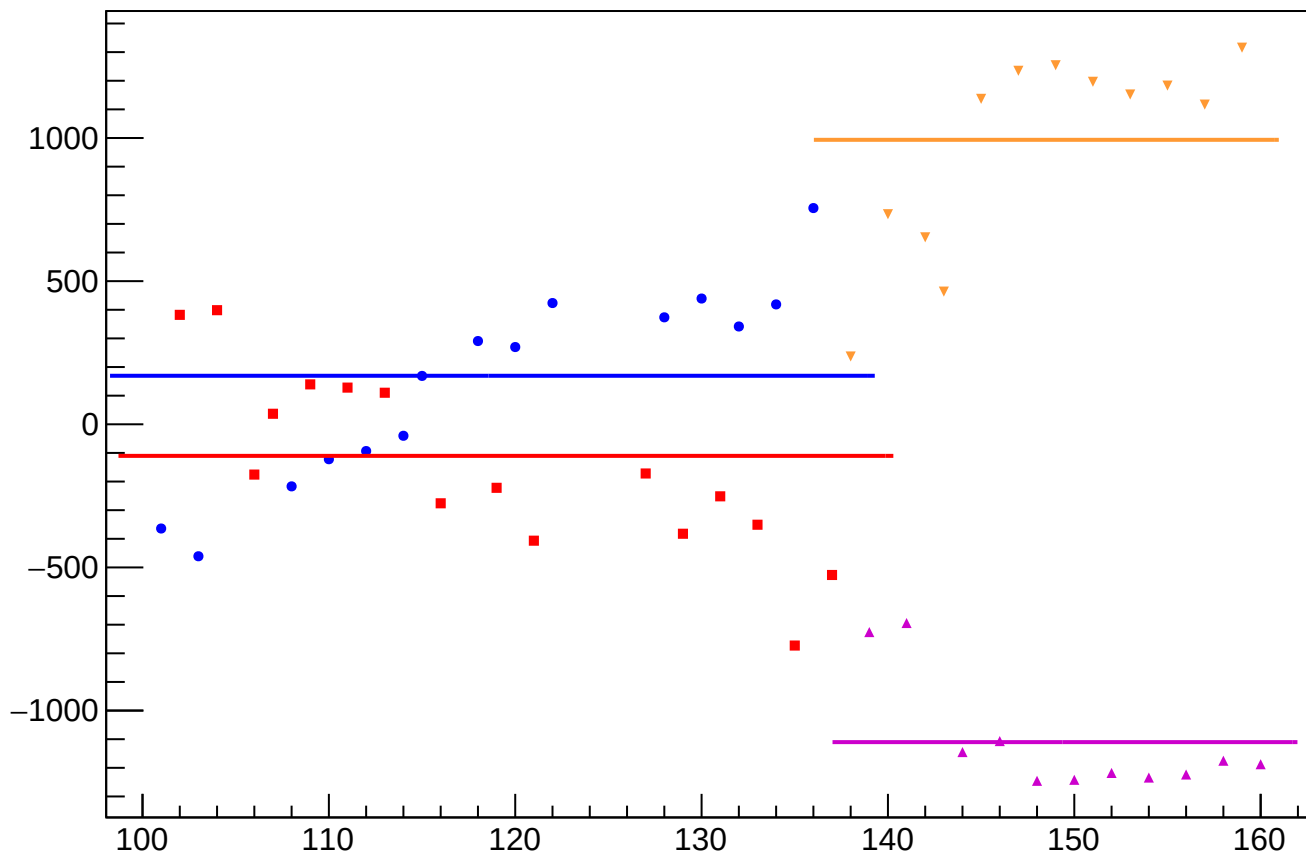
Right In: 1003.407 $\pm$ 0.000 χ^2 /NDF: 219815257294811198811064619822196195328.0/14
 Left Out: 651.582 $\pm$ 0.000 χ^2 /NDF: 45579416700188389340899783793497341952.0/11
 Right Out: -1539.568 $\pm$ 0.000 χ^2 /NDF: 3614774785297482293145354574125437288448.0/15
 Left In: -650.769 $\pm$ 0.000 χ^2 /NDF: 14776465774858799846922535858394365952.0/10
 All: -120.940 $\pm$ 0.000 χ^2 /NDF: 68625749232

dit_atr2_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_sam1_coil3_mean vs Slug, Sign Corrected



Right In: 169.489 +/- 0.000

χ^2/NDF : 95435894585210891032426613567490359296.0/14

Left Out: 993.680 +/- 0.000

χ^2/NDF : 103871744093271862136270527542037839872.0/11

Right Out: -110.289 +/- 0.000

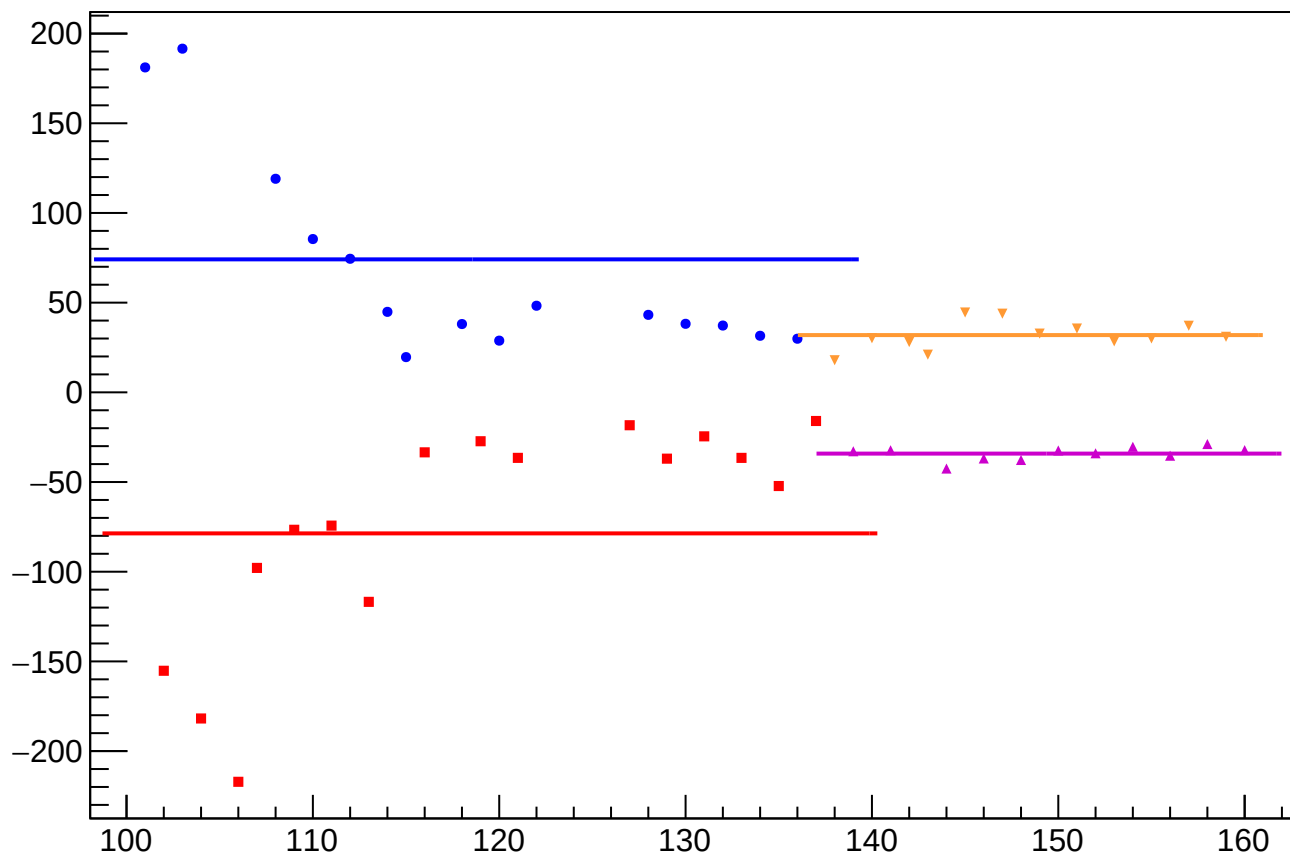
χ^2/NDF : 71770784102052938523592716508479881216.0/15

Left In: -1110.204 +/- 0.000

χ^2/NDF : 34078671675207101758695575343264169984.0/10

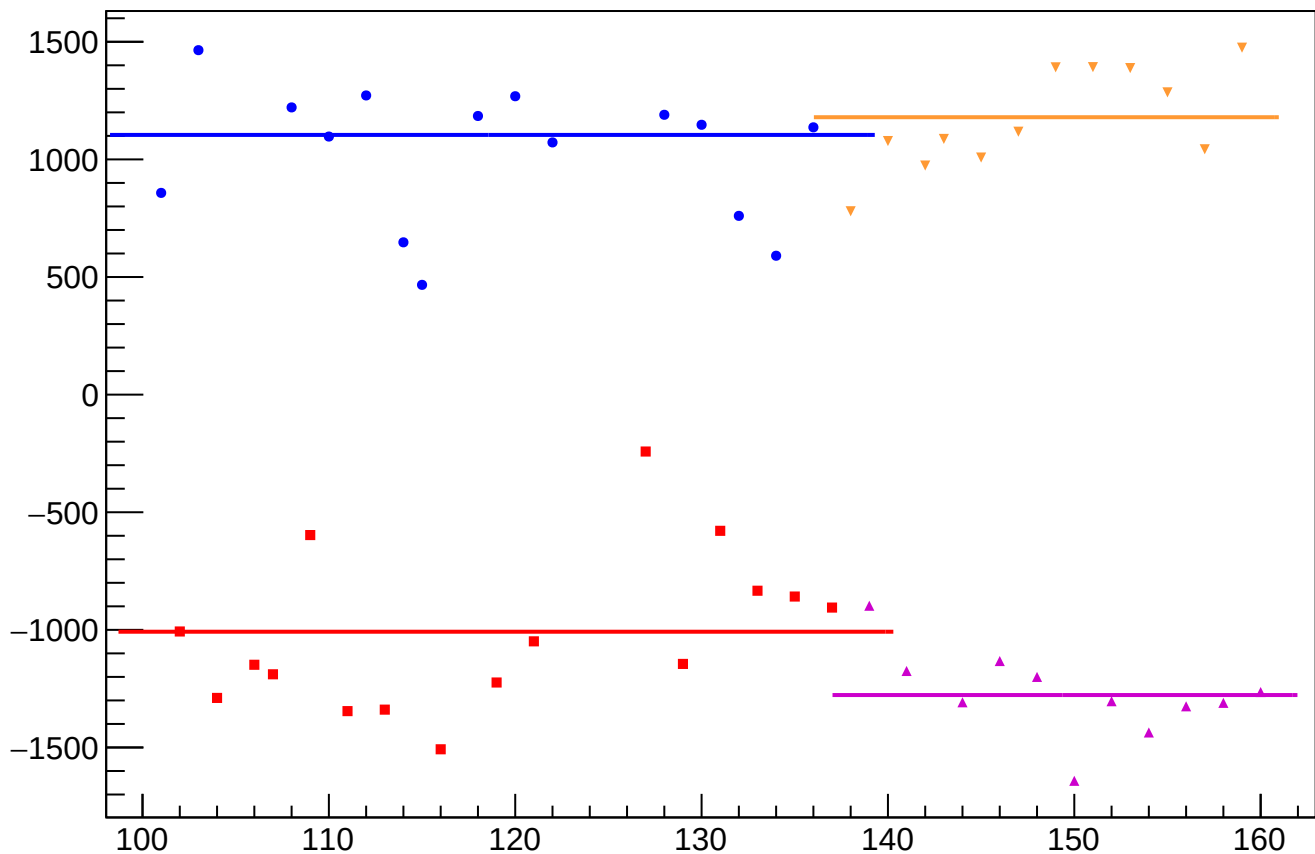
All: -25.735 +/- 0.000 χ^2/NDF : 237118807737

dit_sam1_coil3_err_mean vs Slug, Sign Corrected



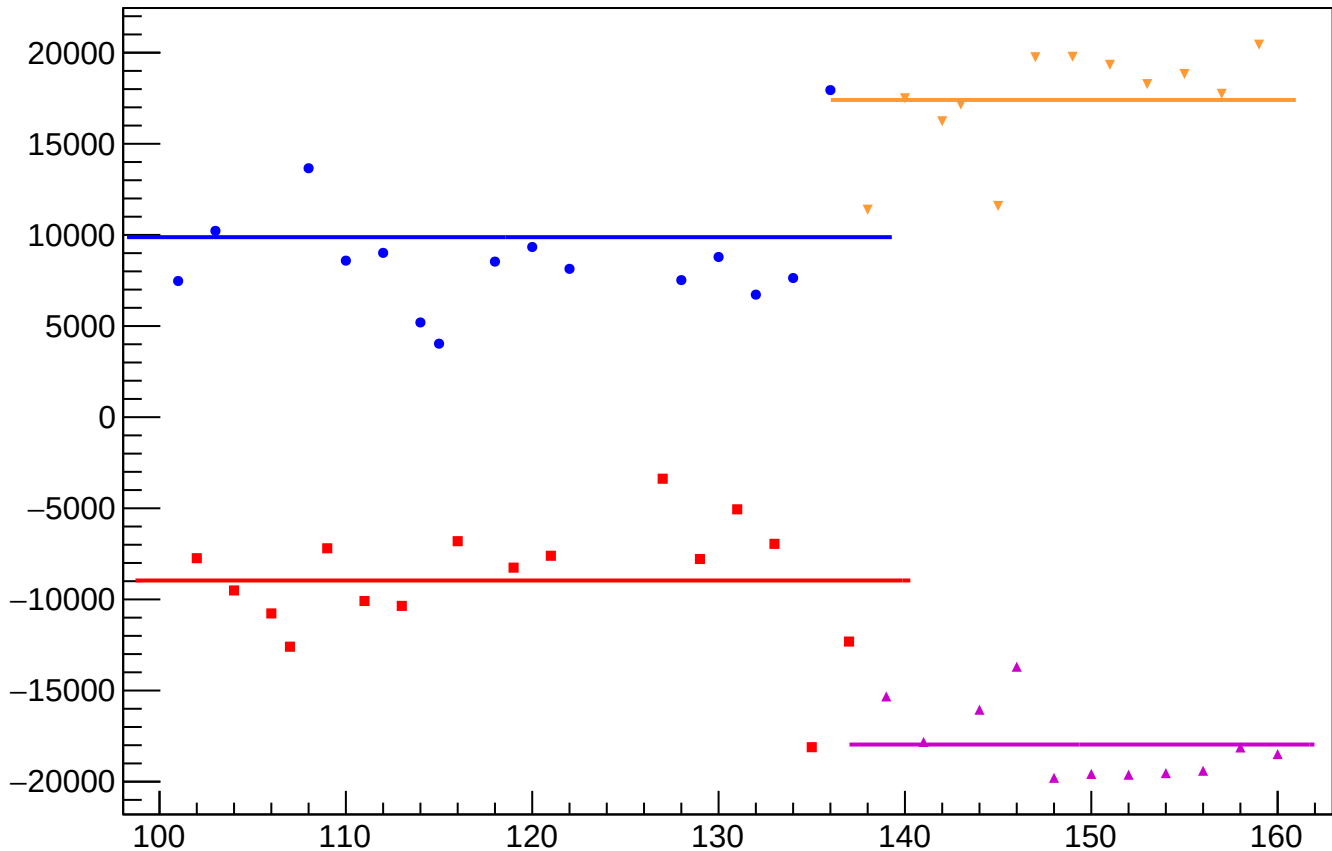
Right In: 74.129 $\pm$ 0.000 χ^2 /NDF: 2168375717401207322620658258081218560.0/14
 Left Out: 31.916 $\pm$ 0.000 χ^2 /NDF: 52391134971476446801164737802403840.0/11
 Right Out: -78.633 $\pm$ 0.000 χ^2 /NDF: 2343230336879830638767678903539466240.0/15
 Left In: -34.158 $\pm$ 0.000 χ^2 /NDF: 12535781757096828038064244290224128.0/10
 All: -2.134 $\pm$ 0.000 χ^2 /NDF: 1426173775487

dit_sam1_coil3_Ndata_mean vs Slug, Sign Corrected



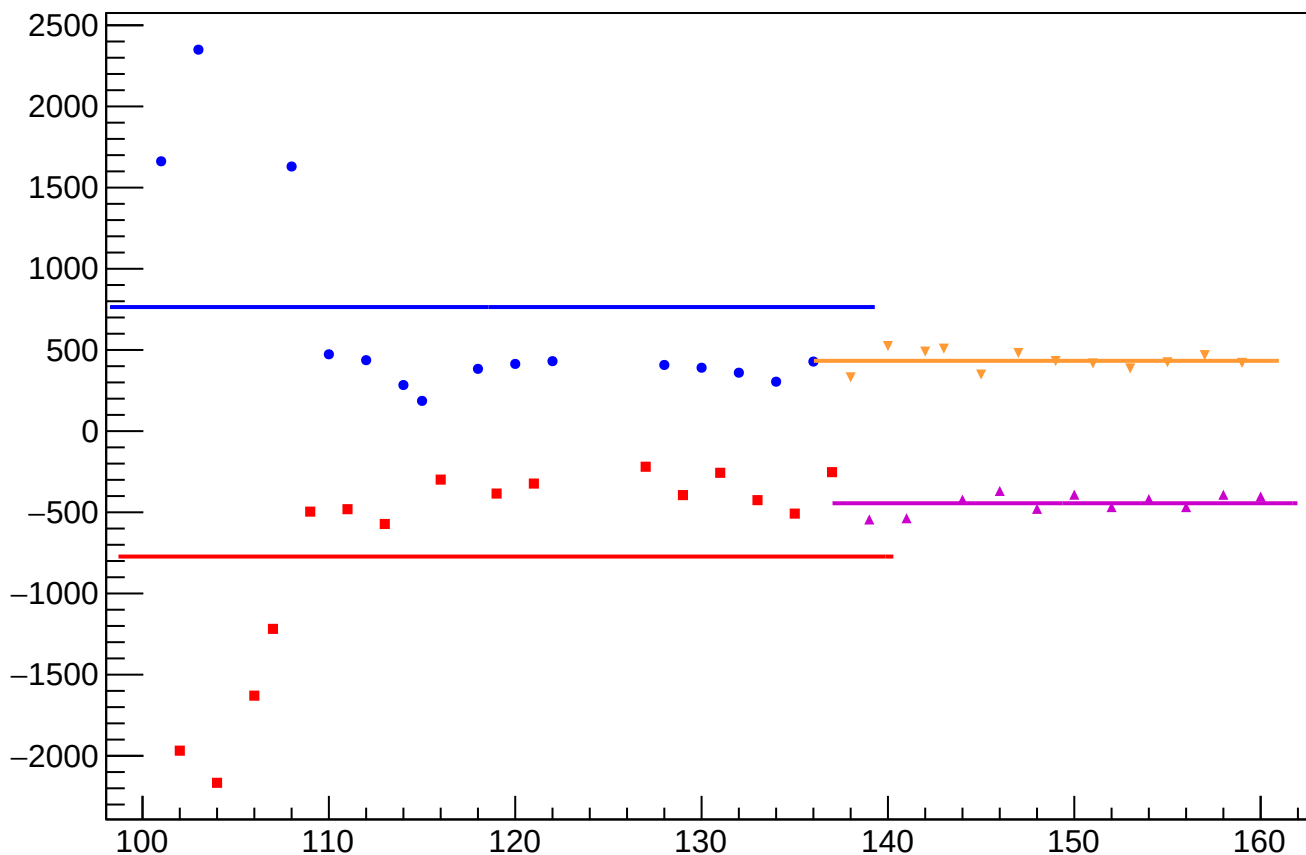
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_sam2_coil3_mean vs Slug, Sign Corrected



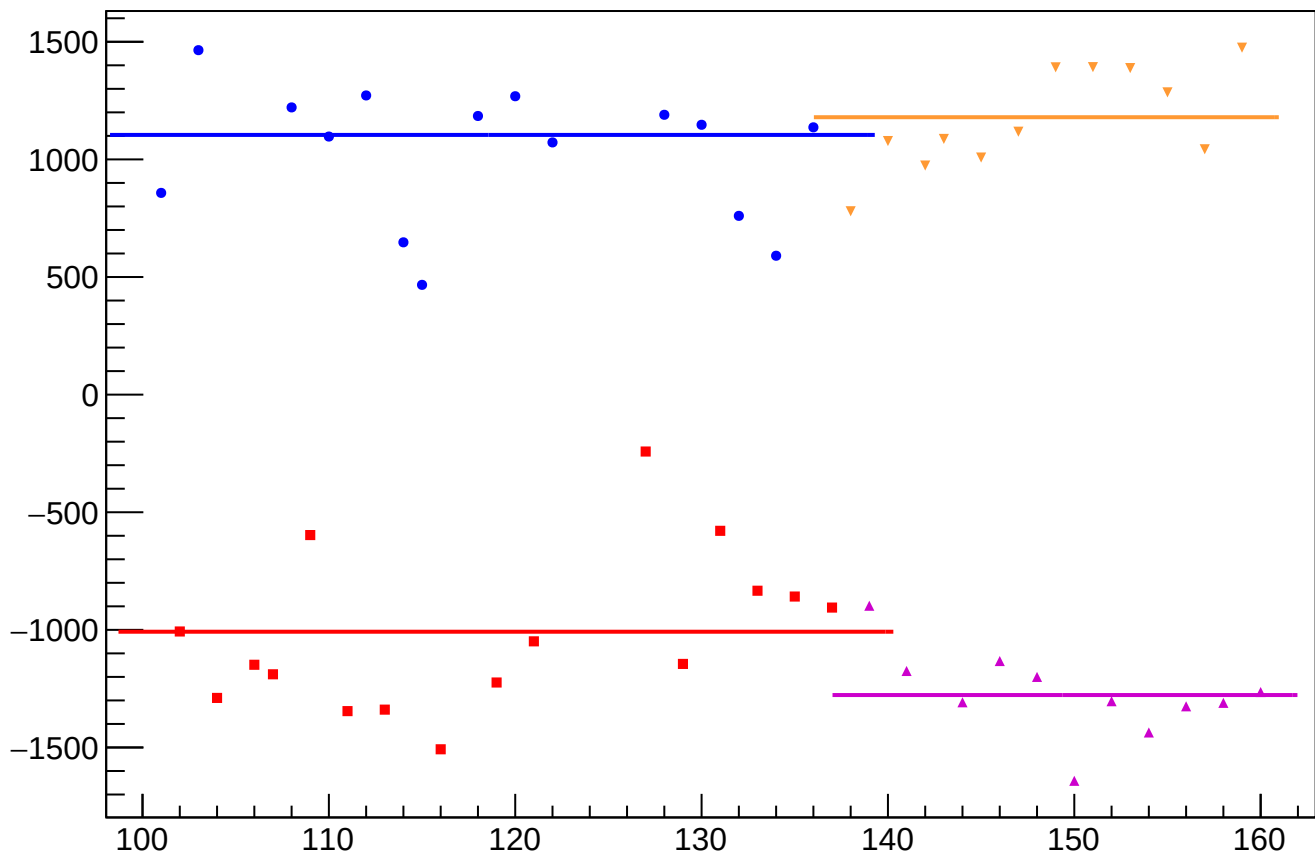
Right In: 9876.530 $\pm$ 0.000 χ^2 /NDF: 8483360287053054122301651905797133697024.0/14
 Left Out: 17405.049 $\pm$ 0.000 χ^2 /NDF: 7689801671099378791544545422175664865280.0/11
 Right Out: -8961.593 $\pm$ 0.000 χ^2 /NDF: 7583728644146461427304320888408335450112.0/15
 Left In: -17962.529 $\pm$ 0.000 χ^2 /NDF: 3564698291142811133043344688261317525504.0/10
 All: -81.381 $\pm$ 0.000 χ^2 /NDF: 719188962323

dit_sam2_coil3_err_mean vs Slug, Sign Corrected



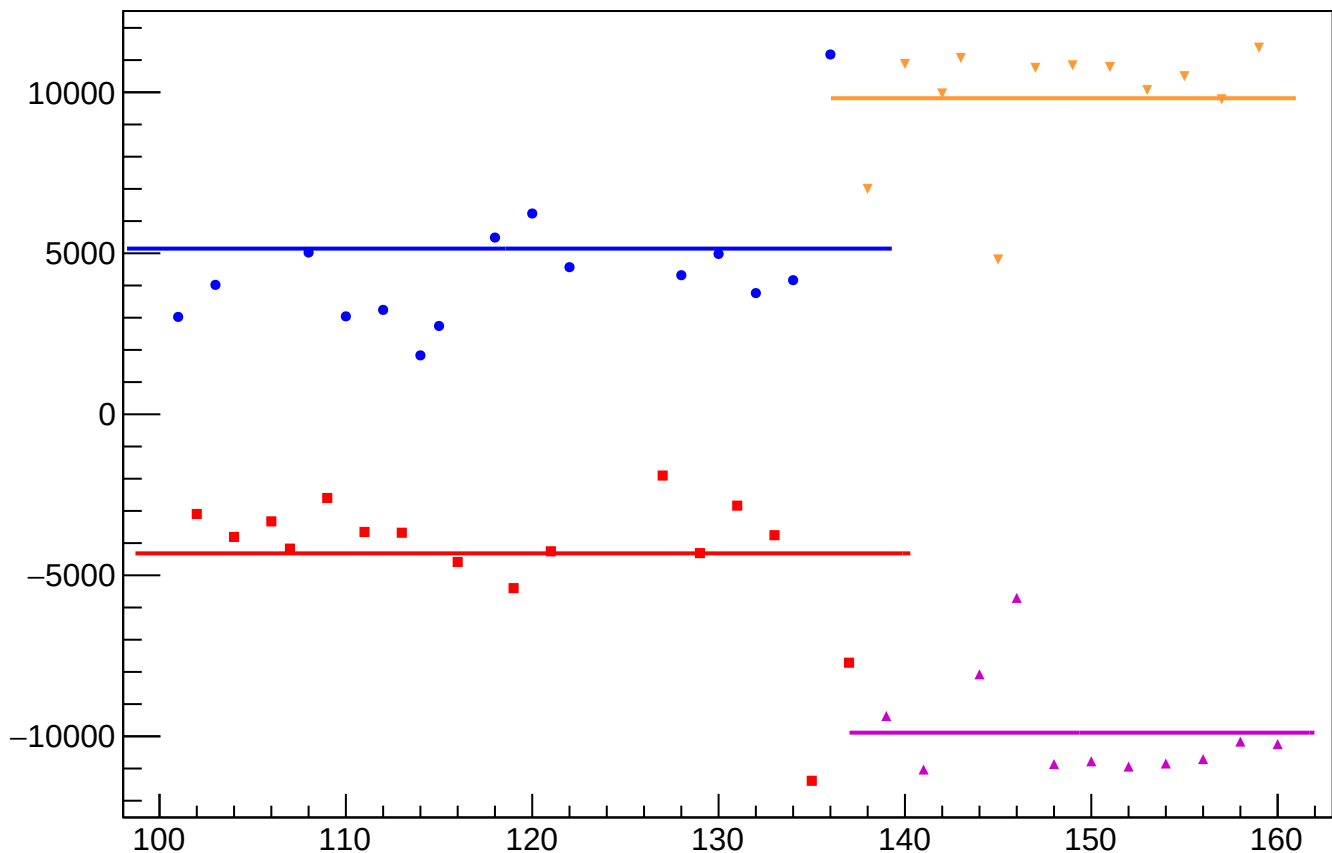
Right In: 764.284+/-0.000 χ^2/NDF : 290964758058269480005067205020030599168.0/14
 Left Out: 433.079+/-0.000 χ^2/NDF : 3070370524438239159273190119476035584.0/11
 Right Out: -772.547+/-0.000 χ^2/NDF : 285902138904642401278625587631891677184.0/15
 Left In: -444.245+/-0.000 χ^2/NDF : 2906625839452991270105053894151241728.0/10
 All: -10.754+/-0.000 χ^2/NDF : 171344684046

dit_sam2_coil3_Ndata_mean vs Slug, Sign Corrected



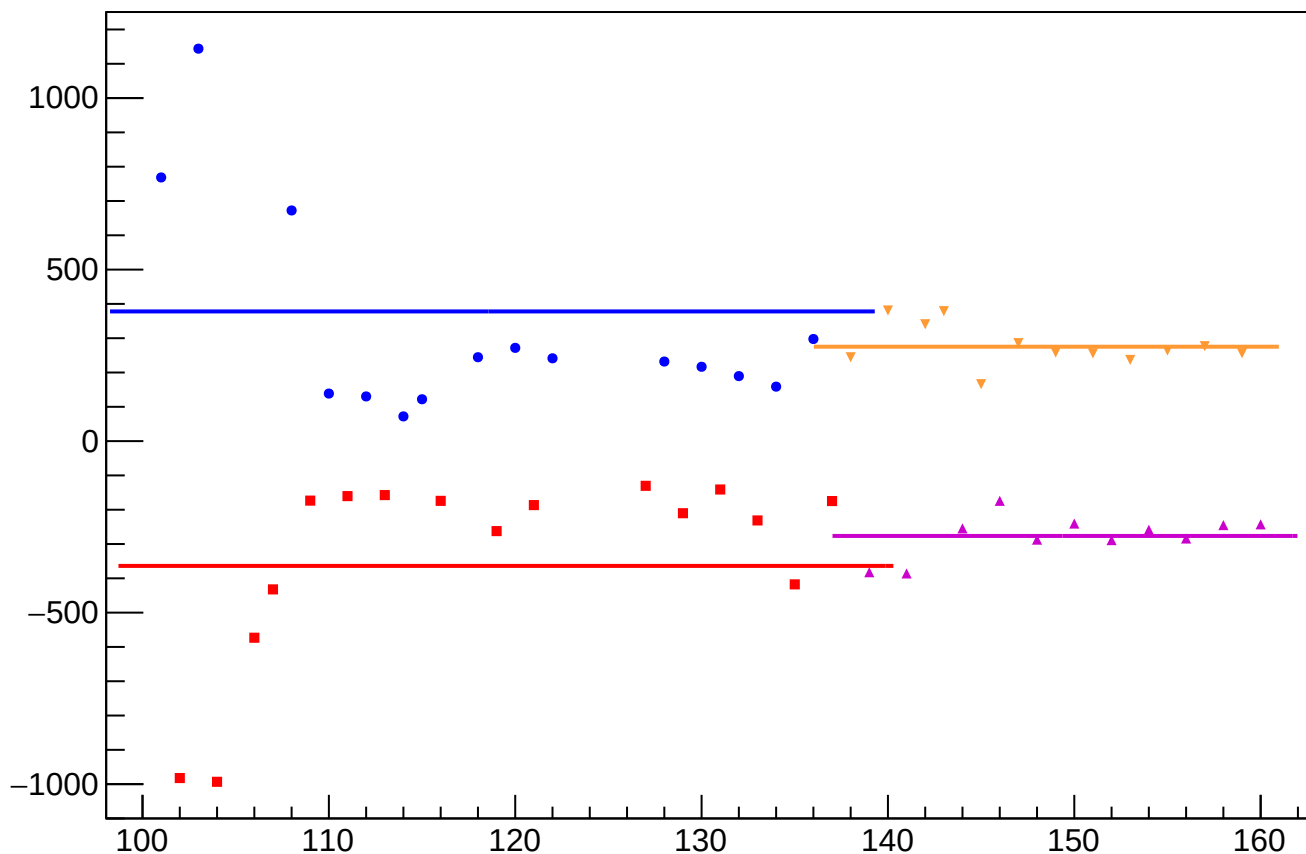
Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_sam3_coil3_mean vs Slug, Sign Corrected



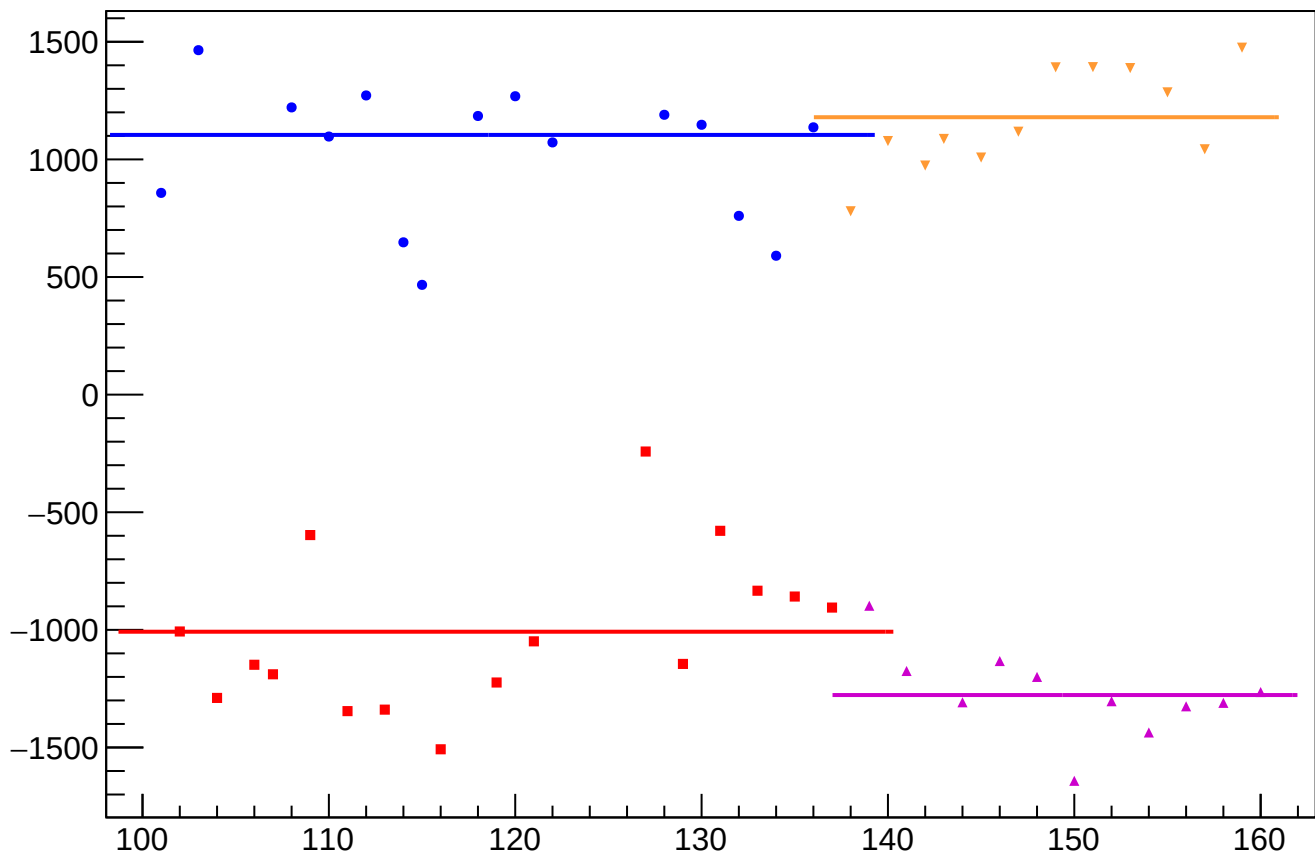
Right In: 5145.657+/-0.000 χ^2/NDF : 4272867262459372237810540195851662262272.0/14
 Left Out: 9815.736+/-0.000 χ^2/NDF : 3242126212507286714618316704208262266880.0/11
 Right Out: -4318.126+/-0.000 χ^2/NDF : 3345176554564755427312533888908526616576.0/15
 Left In: -9887.069+/-0.000 χ^2/NDF : 2278516780225824082632420288802127347712.0/10
 All: 93.618+/-0.000 χ^2/NDF : 2211196592737

dit_sam3_coil3_err_mean vs Slug, Sign Corrected



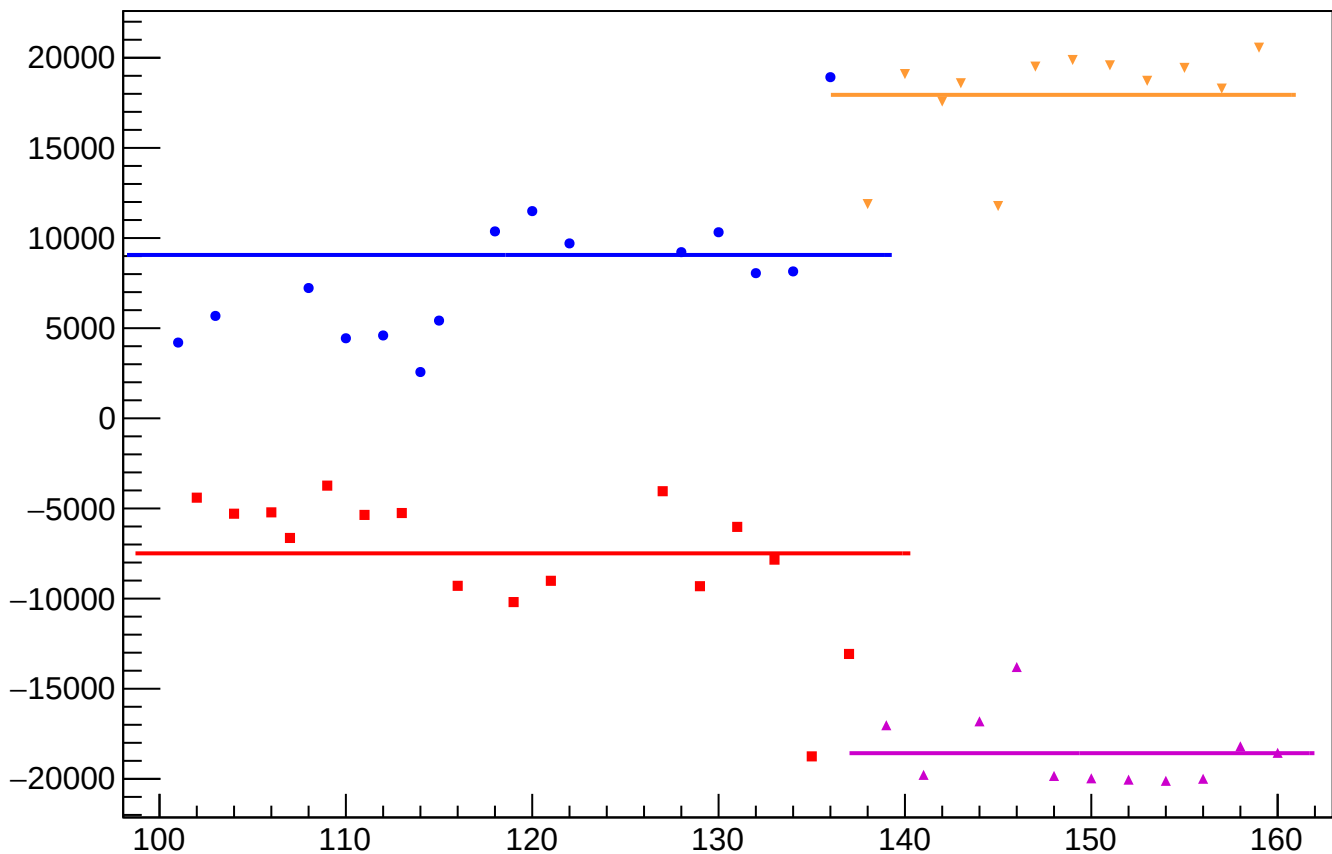
Right In: 378.052 ± 0.000 $\chi^2/\text{NDF}: 61516590022593053040860760861331947520.0/14$
 Left Out: 275.181 ± 0.000 $\chi^2/\text{NDF}: 3063973924838483752648023856495198208.0/11$
 Right Out: -363.772 ± 0.000 $\chi^2/\text{NDF}: 59031337484709801804181439342706688000.0/15$
 Left In: -276.429 ± 0.000 $\chi^2/\text{NDF}: 3176476969276554988209041450490396672.0/10$
 All: -0.376 ± 0.000 $\chi^2/\text{NDF}: 4476277184699$

dit_sam3_coil3_Ndata_mean vs Slug, Sign Corrected



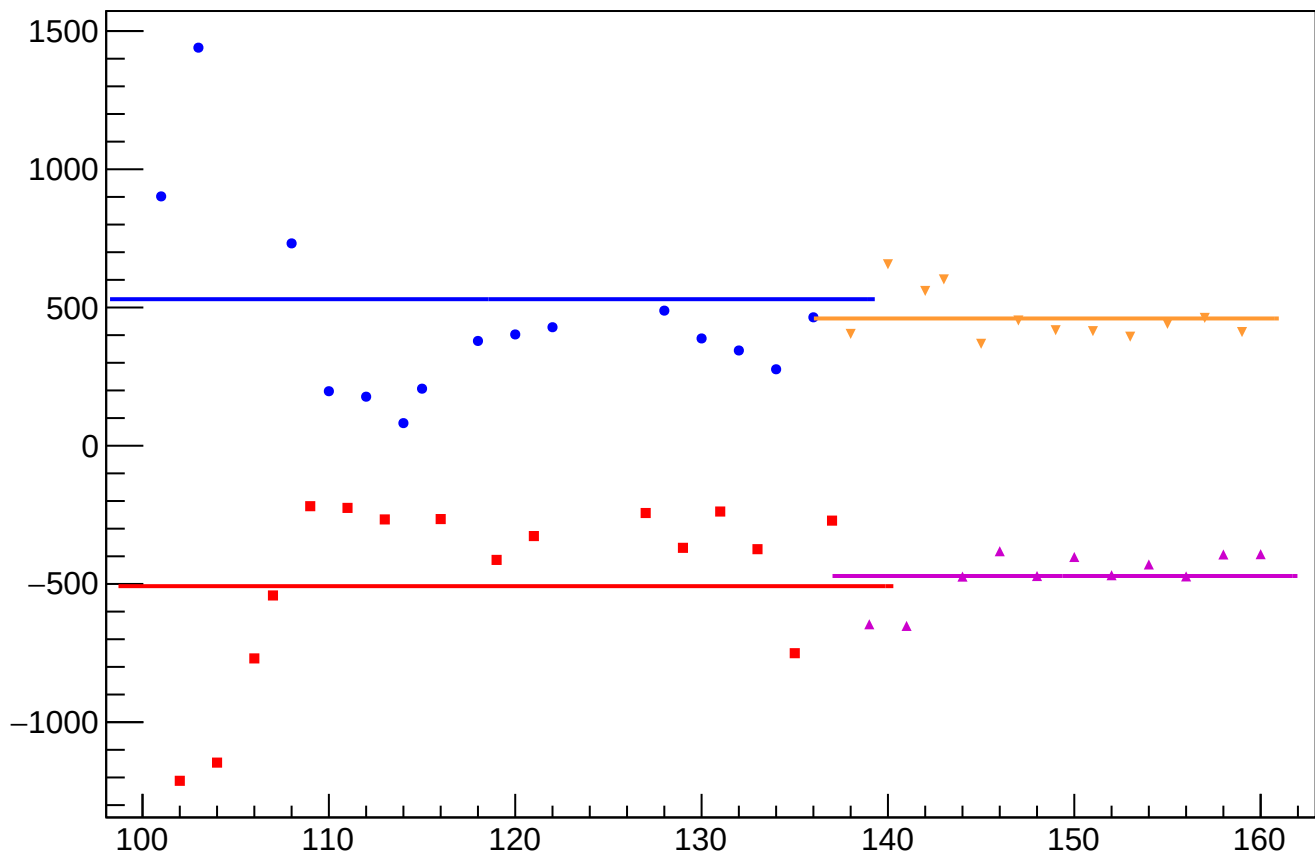
Right In: 1104.111 $\pm$ 0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2/NDF : 441608022845

dit_sam4_coil3_mean vs Slug, Sign Corrected



Right In: 9062.710 $\pm$ 0.000 χ^2 /NDF: 13621066943114354594159252409175431446528.0/14
 Left Out: 17943.531 $\pm$ 0.000 χ^2 /NDF: 7473617733274816603280469921274378846208.0/11
 Right Out: -7490.147 $\pm$ 0.000 χ^2 /NDF: 10108202124204139932285006457388239159296.0/15
 Left In: -18574.874 $\pm$ 0.000 χ^2 /NDF: 3371752936319538414648384836142763081728.0/10
 All: 38.990 $\pm$ 0.000 χ^2 /NDF: 7383790559071

dit_sam4_coil3_err_mean vs Slug, Sign Corrected



Right In: 530.057+/-0.000

χ^2/NDF : 78754676063063255524046471751880671232.0/14

Left Out: 460.312+/-0.000

χ^2/NDF : 6754606428371283053517529701630869504.0/11

Right Out: -507.987+/-0.000

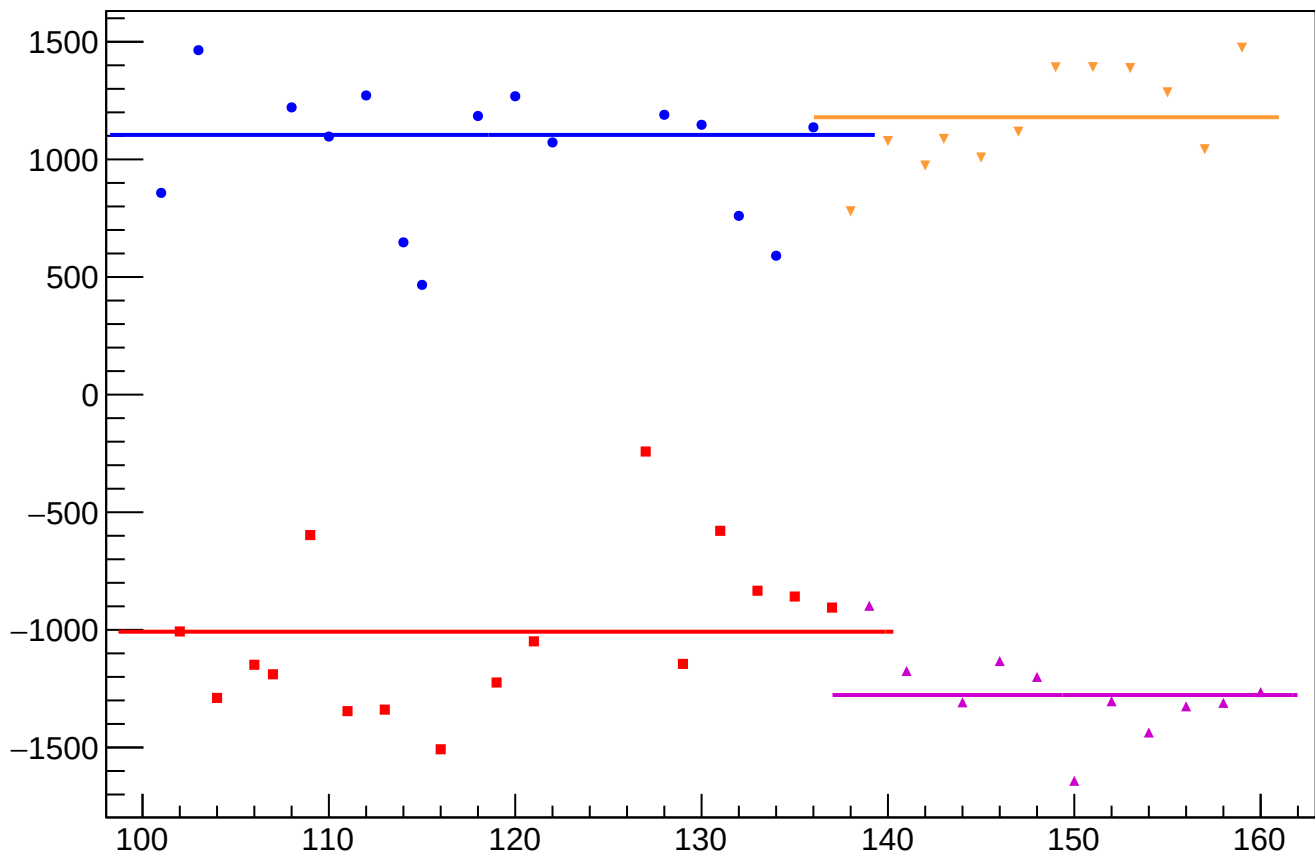
χ^2/NDF : 76689734698308464337881841969555046400.0/15

Left In: -471.219+/-0.000

χ^2/NDF : 7445973219160336257467772011051745280.0/10

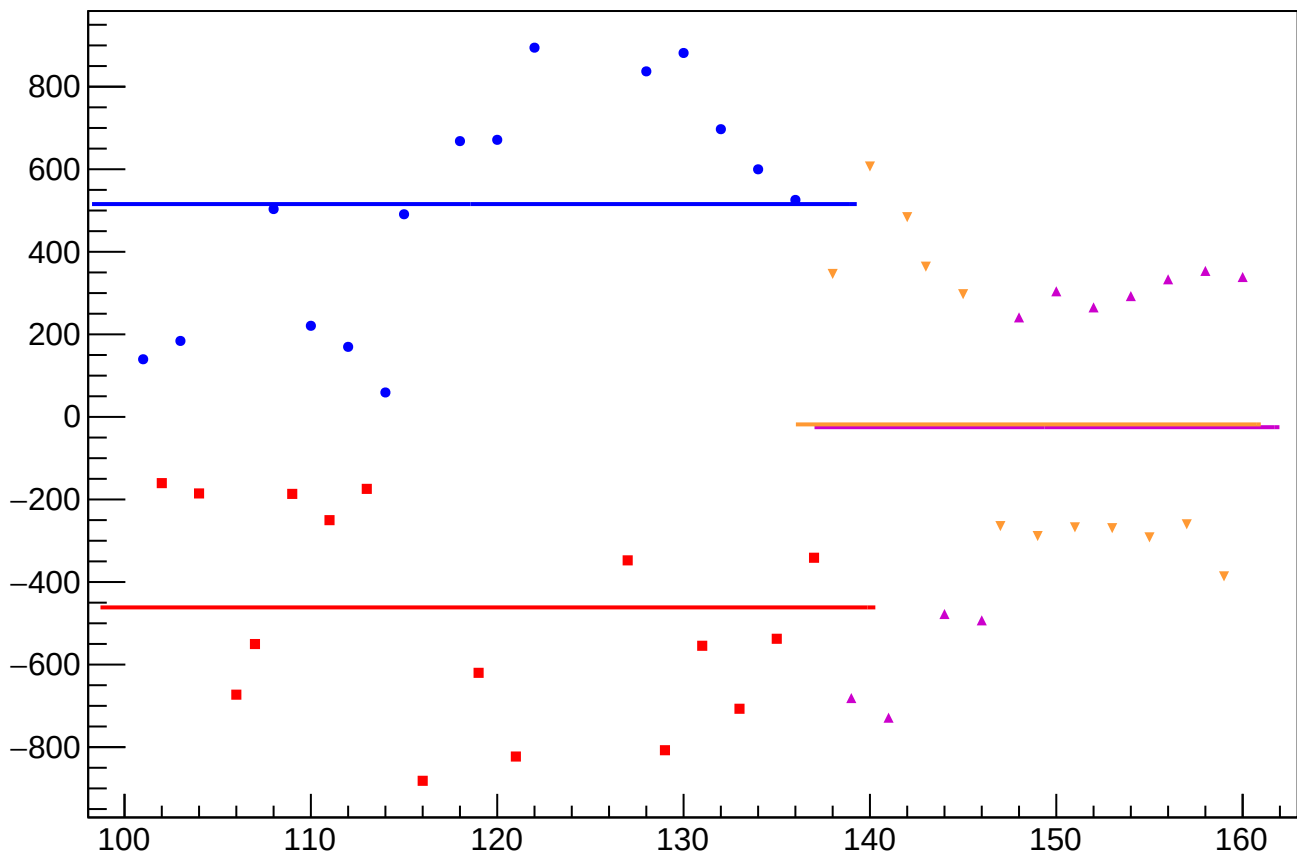
Left: -7.988+/-0.000 χ^2/NDF : 41292053384474531
 Right: 3.936+/-0.000 χ^2/NDF : 50988723963729126
 In: -58.105+/-0.000 χ^2/NDF : 46840539671479809
 Out: 51.802+/-0.000 χ^2/NDF : 44498677720954542
 All: -3.012+/-0.000 χ^2/NDF : 9229168077860

dit_sam4_coil3_Ndata_mean vs Slug, Sign Corrected



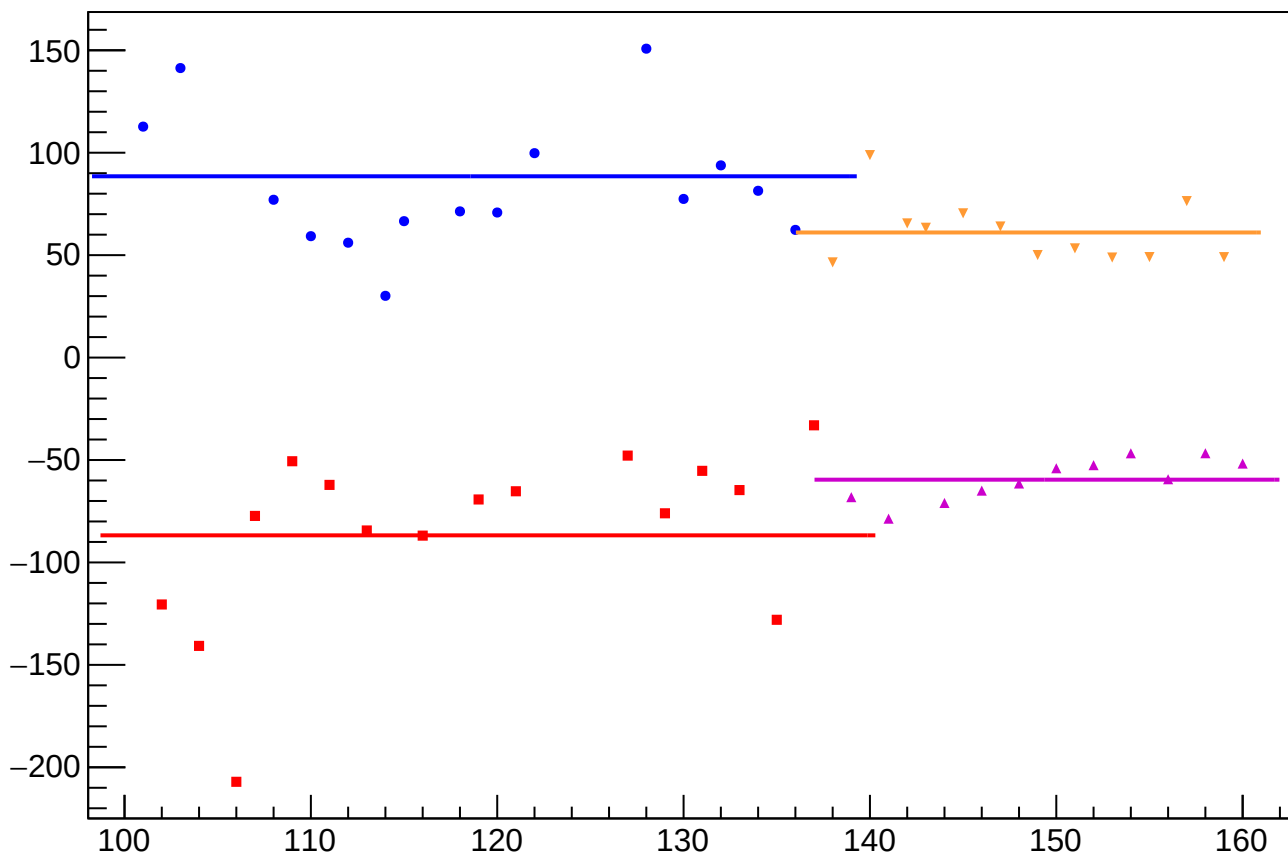
Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_sam5_coil3_mean vs Slug, Sign Corrected



Left: -21.540 ± 0.000 $\chi^2/\text{NDF}: 2912056569899347$
 Right In: 515.635 ± 0.000 $\chi^2/\text{NDF}: 48465403420573957292673062371162324992.0/14$
 Right: 20.387 ± 0.000 $\chi^2/\text{NDF}: 4030056130167457$
 Left Out: -18.146 ± 0.000 $\chi^2/\text{NDF}: 114014627327363890146179797072763420672.0/11$
 In: 198.120 ± 0.000 $\chi^2/\text{NDF}: 33702193102447450$
 Right Out: -461.497 ± 0.000 $\chi^2/\text{NDF}: 40473746660091355928063306884368564224.0/15$
 Out: -205.189 ± 0.000 $\chi^2/\text{NDF}: 230282610229259$
 Left In: -24.898 ± 0.000 $\chi^2/\text{NDF}: 177170083146066340419686697250307702784.0/10$
 All: -4.046 ± 0.000 $\chi^2/\text{NDF}: 6955593653745$

dit_sam5_coil3_err_mean vs Slug, Sign Corrected



Right In: 88.493 $\pm$ 0.000 χ^2 /NDF: 643231155193035512625817963208900608.0/14

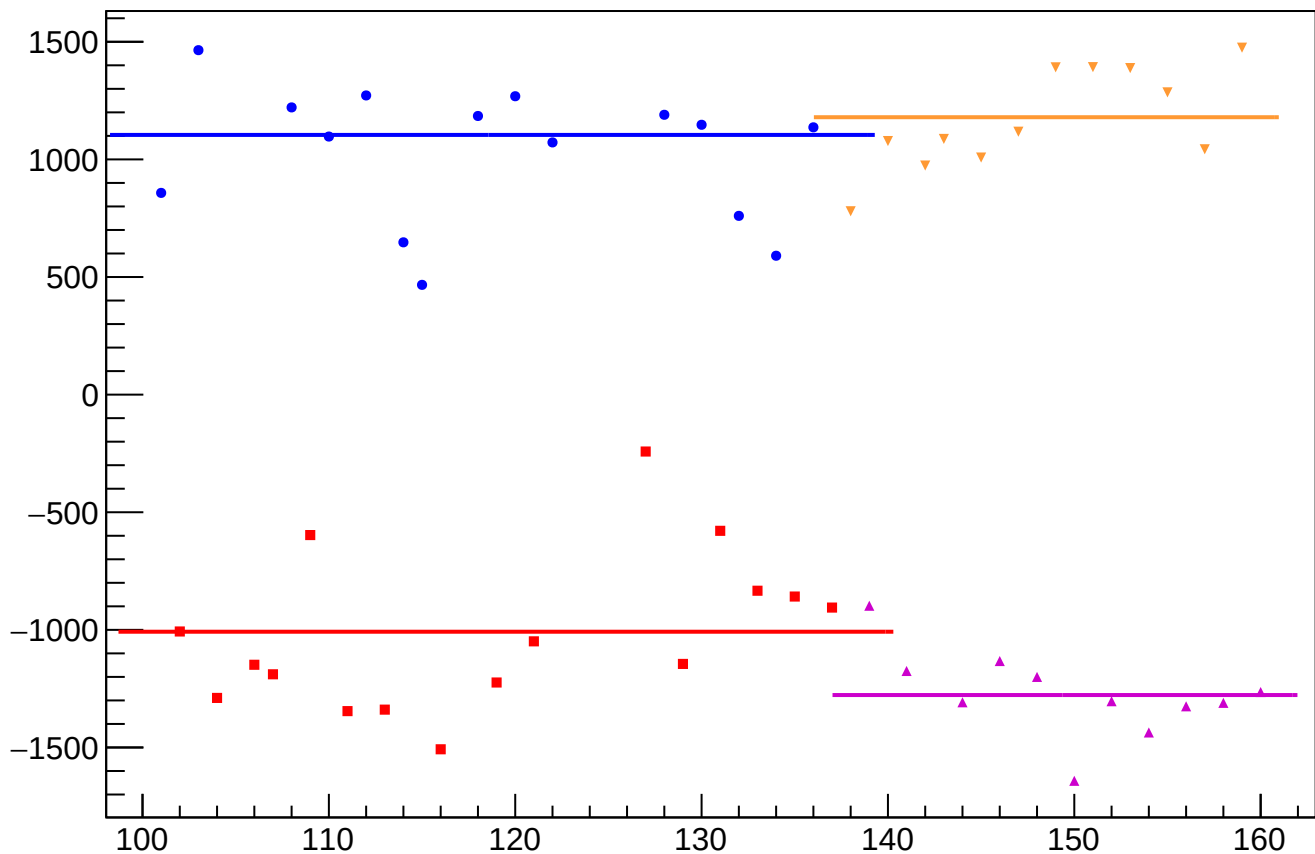
Left Out: 61.067 $\pm$ 0.000 χ^2 /NDF: 211507080213048507647331077961285632.0/11

Right Out: -86.773 $\pm$ 0.000 χ^2 /NDF: 1059206766314086021240525003228708864.0/15

Left In: -59.604 $\pm$ 0.000 χ^2 /NDF: 90862625181985664375323463168032768.0/10

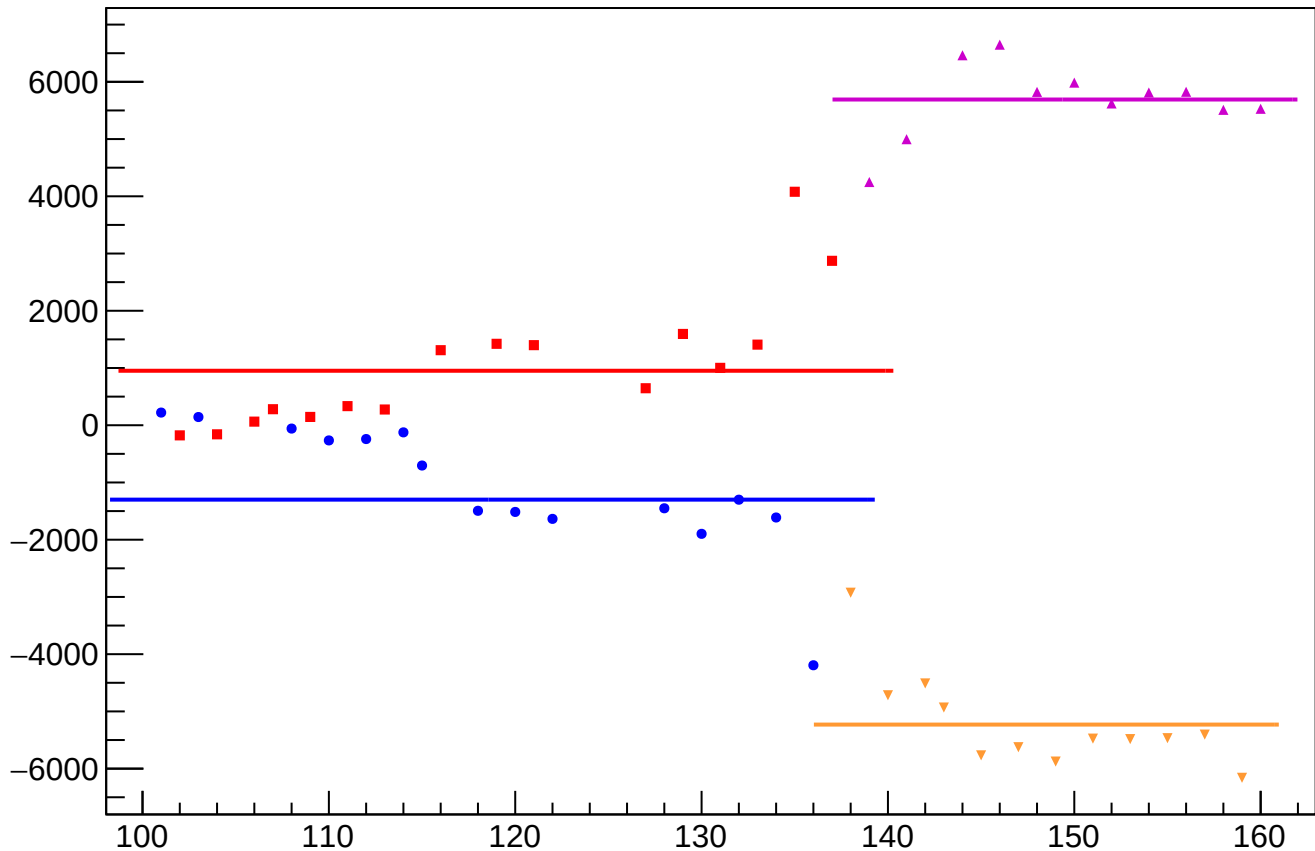
All: 0.094 $\pm$ 0.000 χ^2 /NDF: 18800505371841

dit_sam5_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 $\pm$ 0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2/NDF : 441608022845

dit_sam6_coil3_mean vs Slug, Sign Corrected



Right In: -1299.904+/-0.000

Left Out: -5230.164+/-0.000

Right Out: 951.903+/-0.000

Left In: 5690.941+/-0.000

χ^2/NDF : 1199649252163216367086408691577524322304.0/14

χ^2/NDF : 621337546754048275745011650527081005056.0/11

χ^2/NDF : 841314696863657044174468284217089327104.0/15

χ^2/NDF : 35577462072294886968040460749891436544.0/10

Left: 260.098+/-0.000 χ^2/NDF : 5578029245557142

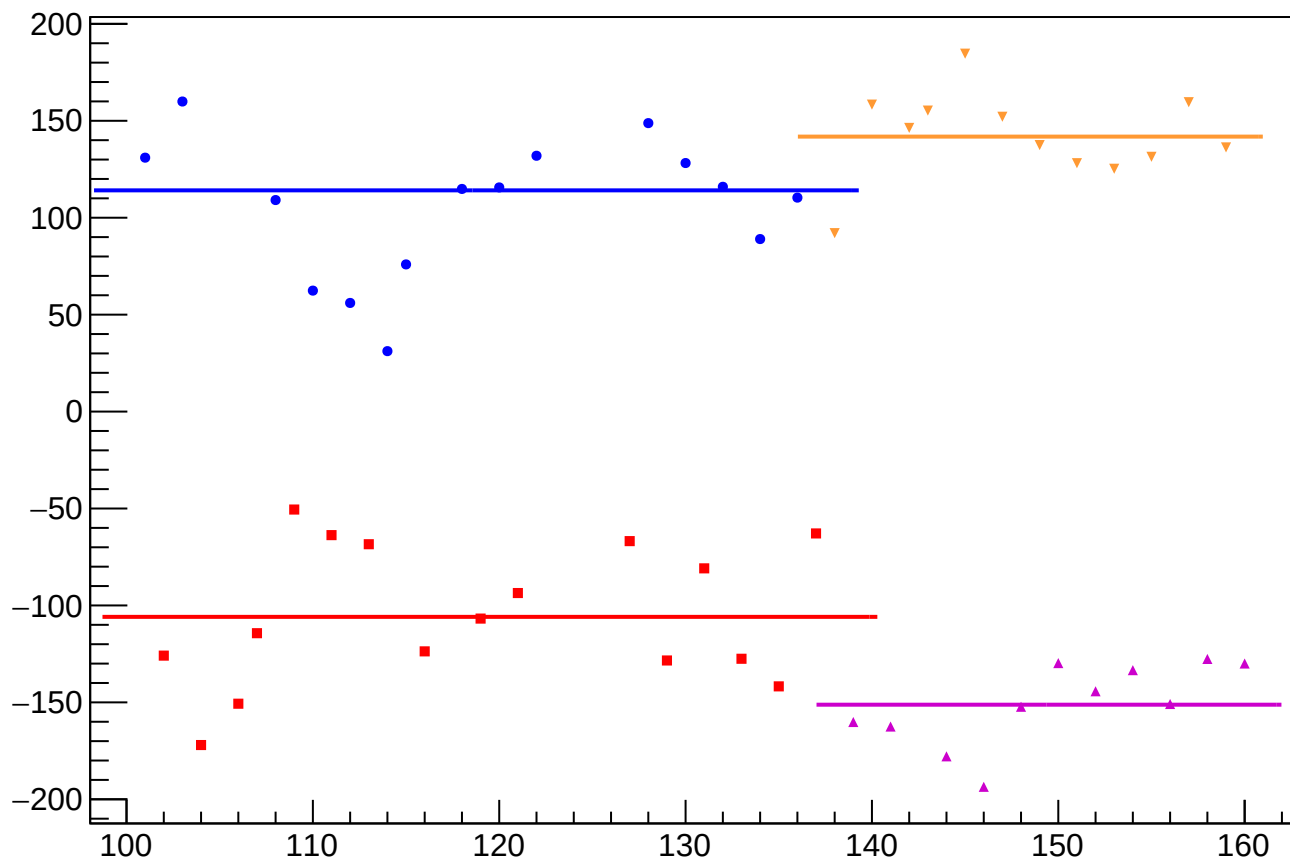
Right: -158.600+/-0.000 χ^2/NDF : 37088904648604

In: 2806.606+/-0.000 χ^2/NDF : 2018689735914814

Out: -2622.043+/-0.000 χ^2/NDF : 16199599941303

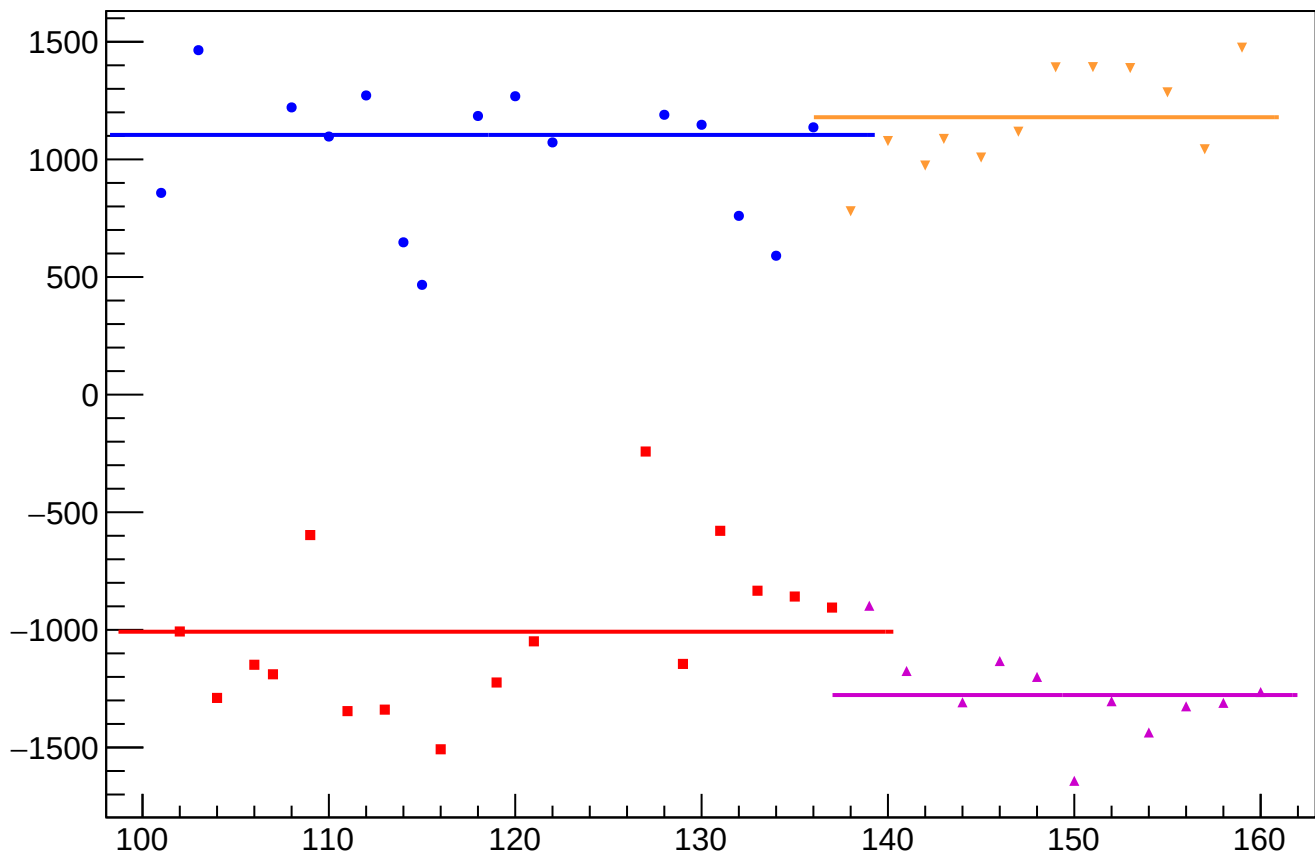
All: 85.397+/-0.000 χ^2/NDF : 5962362698239

dit_sam6_coil3_err_mean vs Slug, Sign Corrected



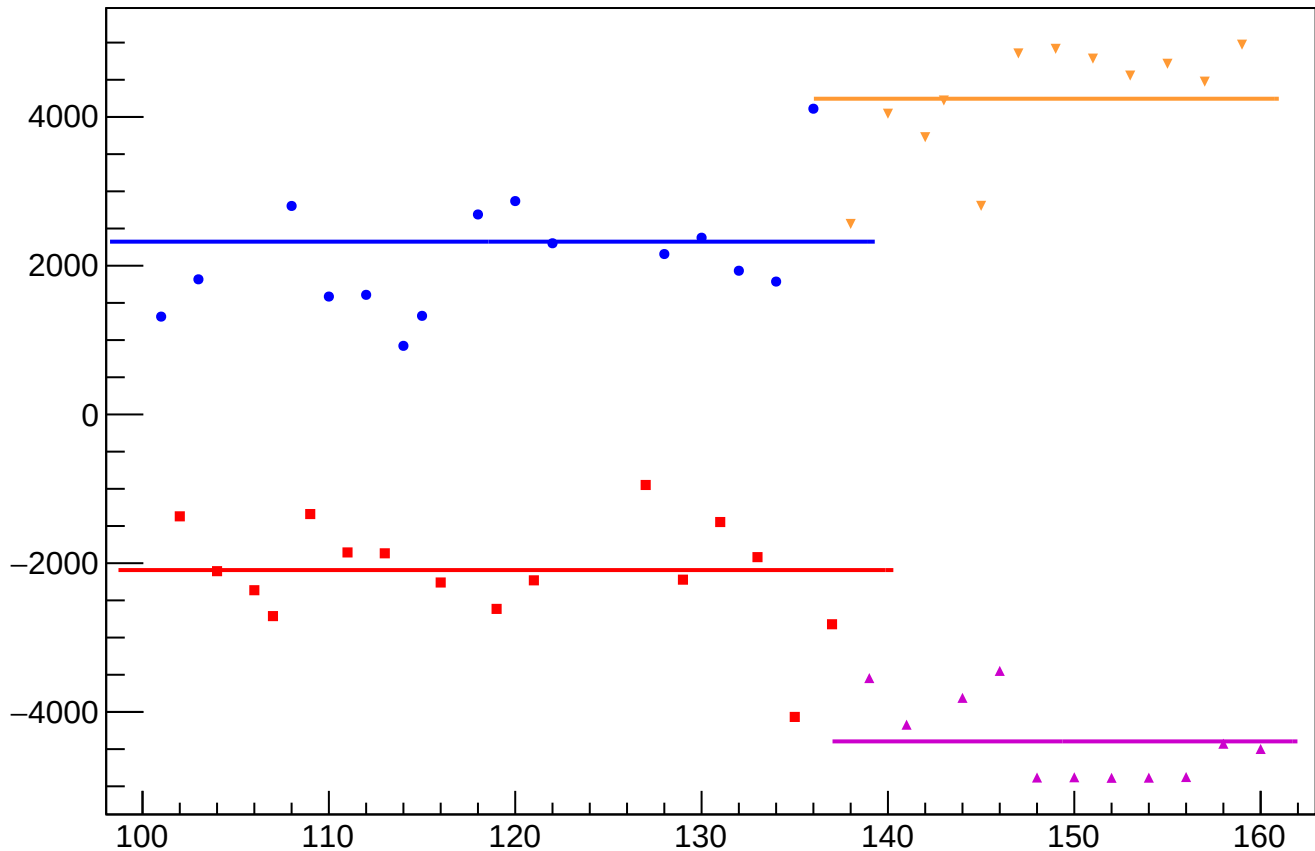
Right In: 114.118 ± 0.000 $\chi^2/\text{NDF}: 607226770891525118881736460452495360.0/14$
 Left Out: 141.844 ± 0.000 $\chi^2/\text{NDF}: 455273254245846333149237795723673600.0/11$
 Right Out: -105.890 ± 0.000 $\chi^2/\text{NDF}: 851861355270591521058611007535972352.0/15$
 Left In: -151.203 ± 0.000 $\chi^2/\text{NDF}: 382227652604999337577431549784096768.0/10$
 All: -2.103 ± 0.000 $\chi^2/\text{NDF}: 5772748991096$

dit_sam6_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111+/-0.000 χ^2/NDF : 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336+/-0.000 χ^2/NDF : 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906+/-0.000 χ^2/NDF : 69077878009873965622695939627477368832.0/15
 Left In: -1277.097+/-0.000 χ^2/NDF : 29578729901602647998073818936097374208.0/10
 All: -18.335+/-0.000 χ^2/NDF : 441608022845

dit_sam7_coil3_mean vs Slug, Sign Corrected



Right In: 2323.372+/-0.000

χ^2/NDF : 476371189888349375964725620757728591872.0/14

Left Out: 4245.269+/-0.000

χ^2/NDF : 560100037882540295630660663570463719424.0/11

Right Out: -2092.458+/-0.000

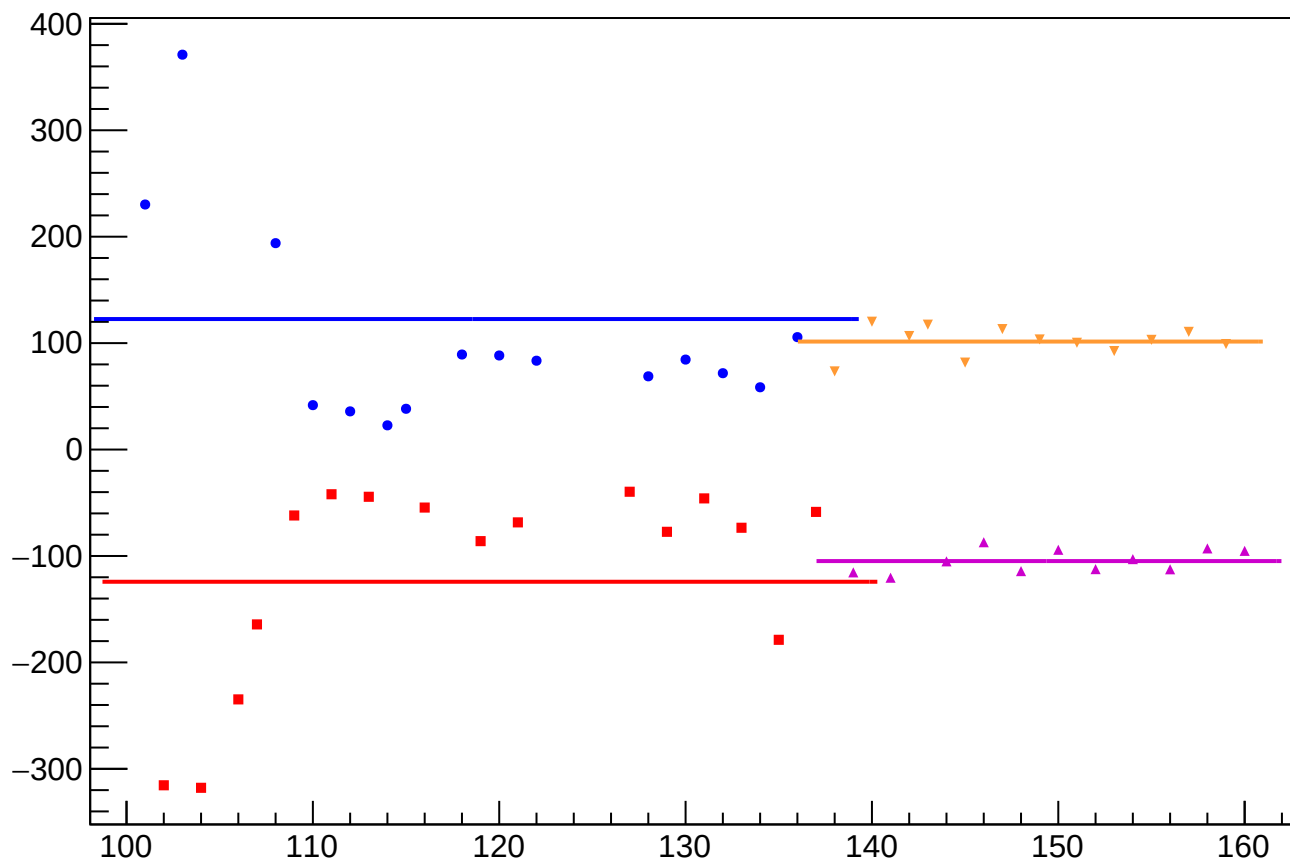
χ^2/NDF : 367126080872166122663684022473339174912.0/15

Left In: -4396.069+/-0.000

χ^2/NDF : 270326441631367265143713722564756897792.0/10

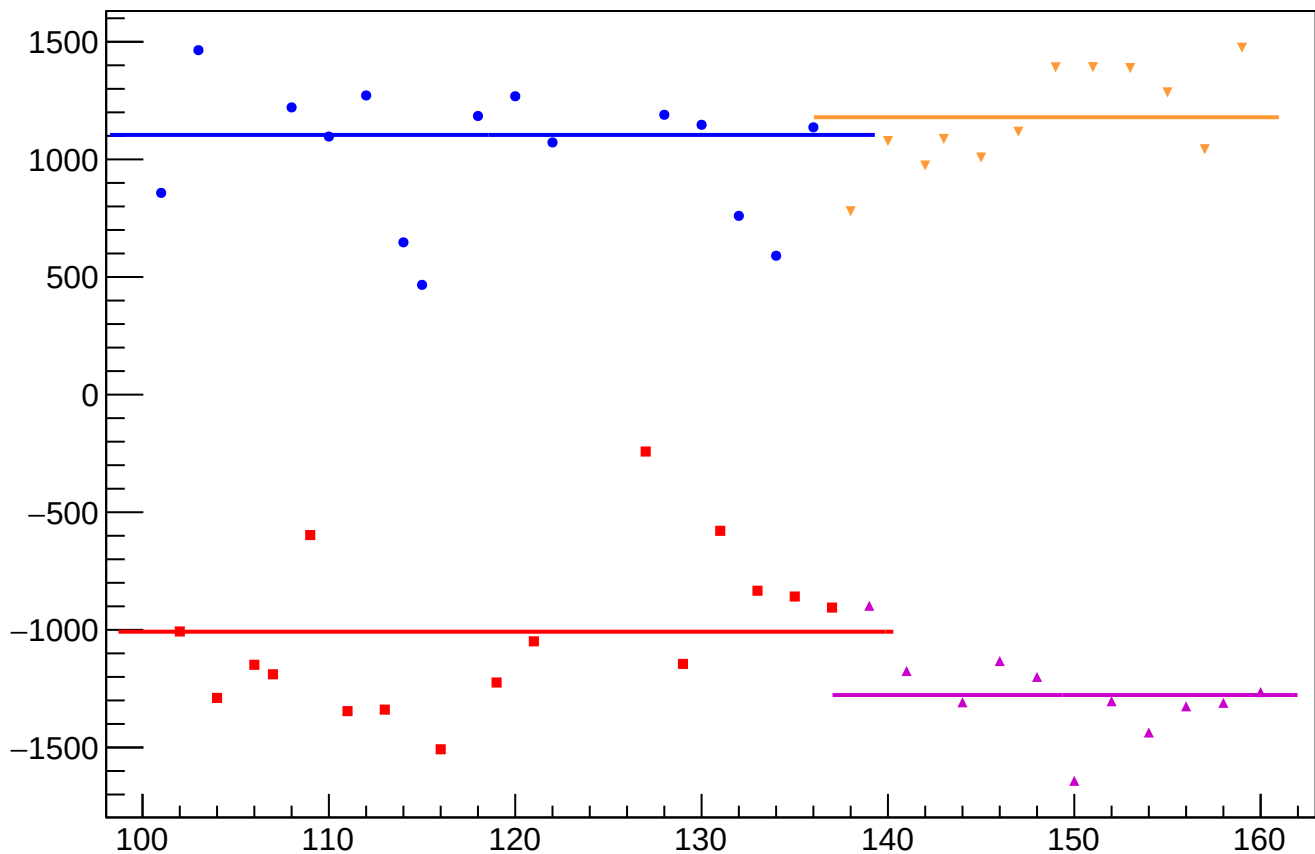
All: -22.065+/-0.000 χ^2/NDF : 424251896737

dit_sam7_coil3_err_mean vs Slug, Sign Corrected



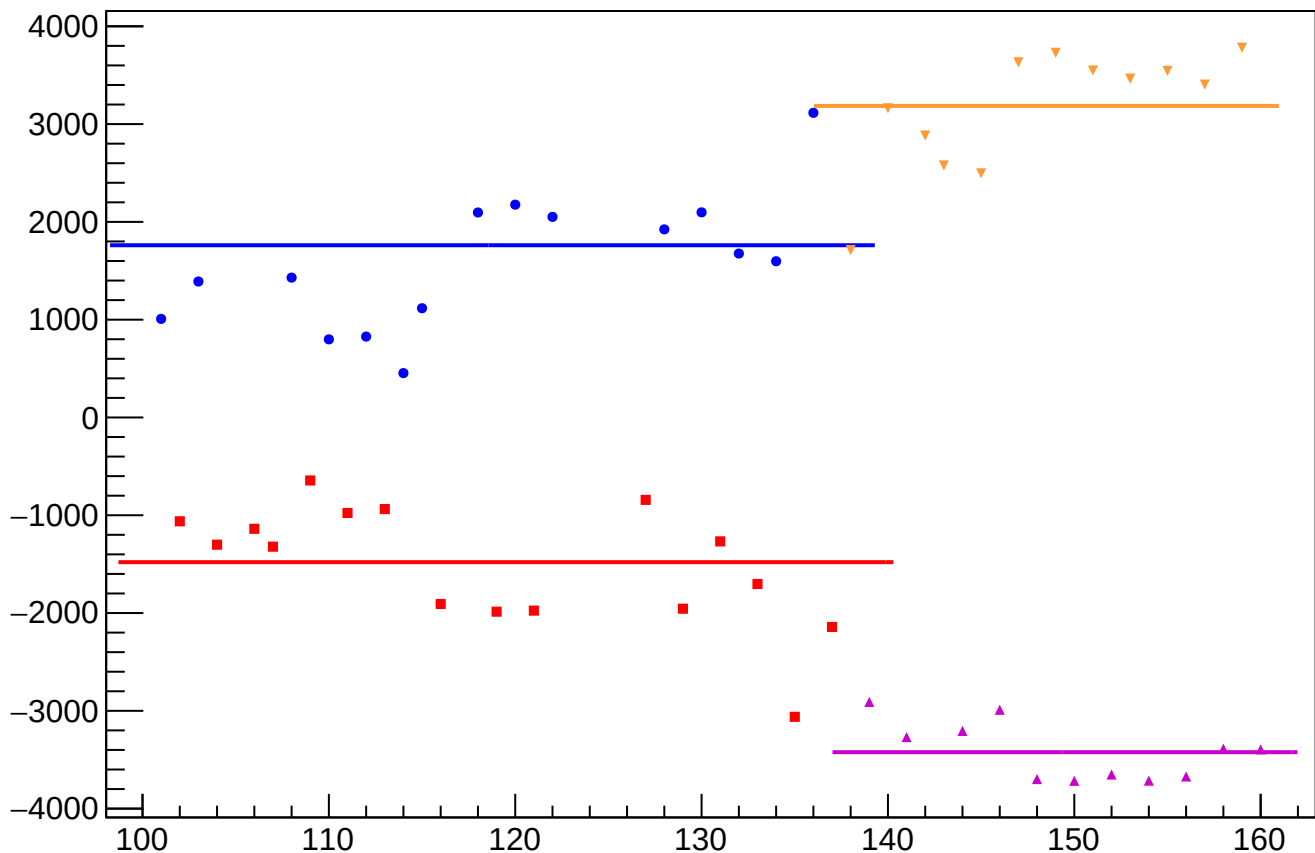
Right In: 122.622+/-0.000	χ^2/NDF : 5937504661187691145903235842749497344.0/14	Left: -2.219+/-0.000	χ^2/NDF : 19812994387589276
Left Out: 101.470+/-0.000	χ^2/NDF : 163606586609215515174601139620413440.0/11	Right: -2.485+/-0.000	χ^2/NDF : 3252911350198687
Right Out: -124.216+/-0.000	χ^2/NDF : 6549627589629012958791202941129719808.0/15	In: -10.961+/-0.000	χ^2/NDF : 25754739870649358
Left In: -104.786+/-0.000	χ^2/NDF : 102013785381333837493435451846950912.0/10	Out: 6.256+/-0.000	χ^2/NDF : 263536944224656689
	All: -2.330+/-0.000		χ^2/NDF : 5234216215941

dit_sam7_coil3_Ndata_mean vs Slug, Sign Corrected



Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_sam8_coil3_mean vs Slug, Sign Corrected



Right In: 1761.245+/-0.000

χ^2/NDF : 332206925976055306953064744993096204288.0/14

Left Out: 3185.925+/-0.000

χ^2/NDF : 334945906452981161805339150604505710592.0/11

Right Out: -1479.801+/-0.000

χ^2/NDF : 263467768134780968832551238609236131840.0/15

Left In: -3423.018+/-0.000

χ^2/NDF : 7453703884208882463869581727568494592.0/10

Left: -136.525+/-0.000 χ^2/NDF : 204789855452922

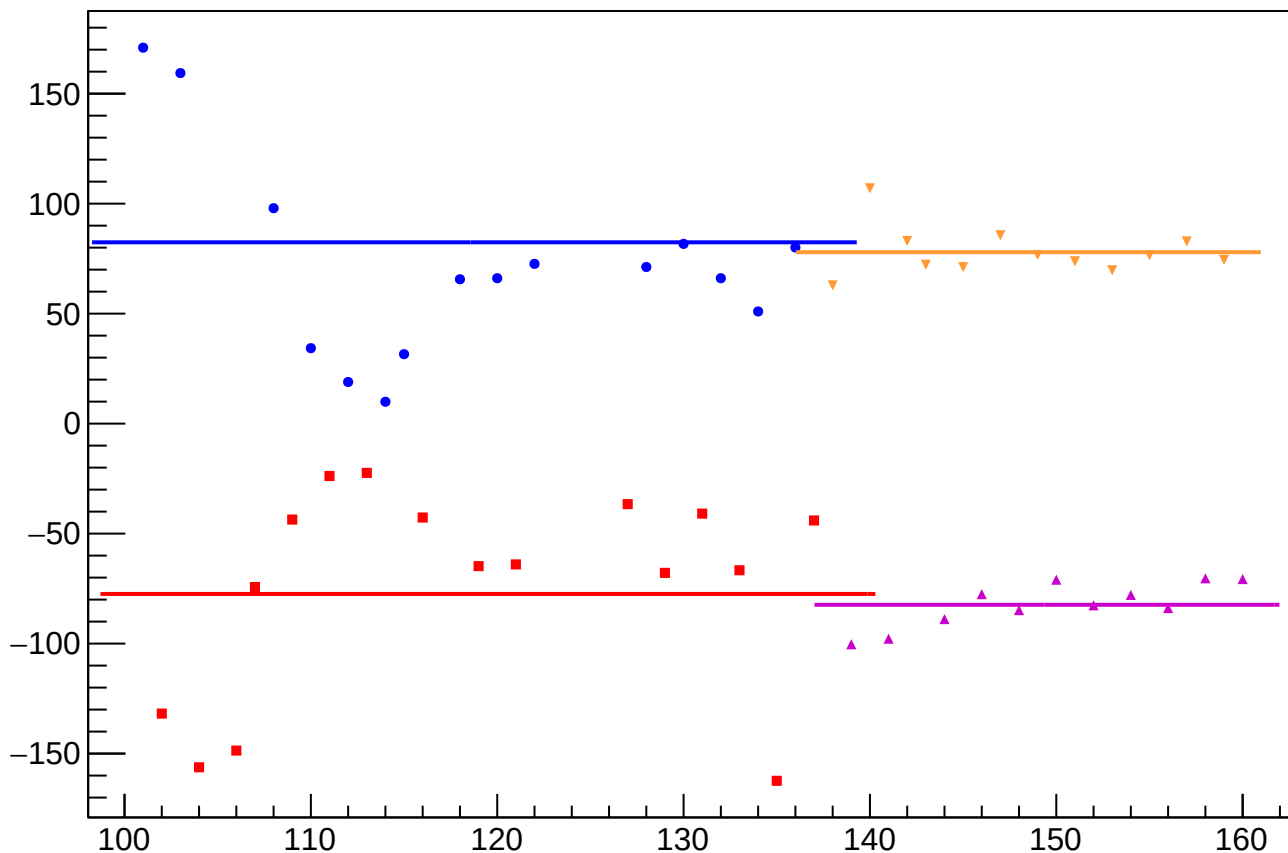
Right: 118.557+/-0.000 χ^2/NDF : 405096794129398

In: -1284.056+/-0.000 χ^2/NDF : 106529223368733

Out: 1217.526+/-0.000 χ^2/NDF : 899259877649866

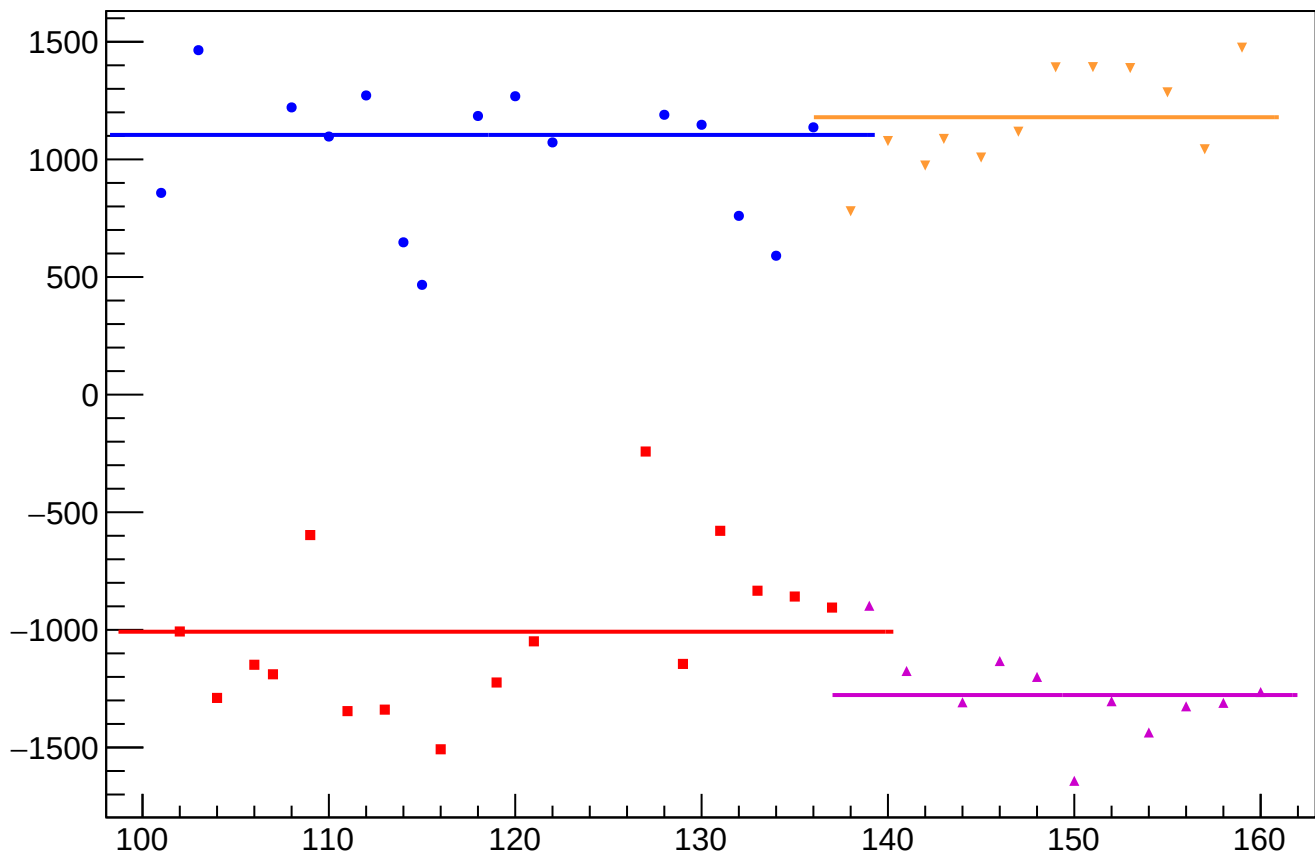
All: -30.093+/-0.000 χ^2/NDF : 245798533014

dit_sam8_coil3_err_mean vs Slug, Sign Corrected



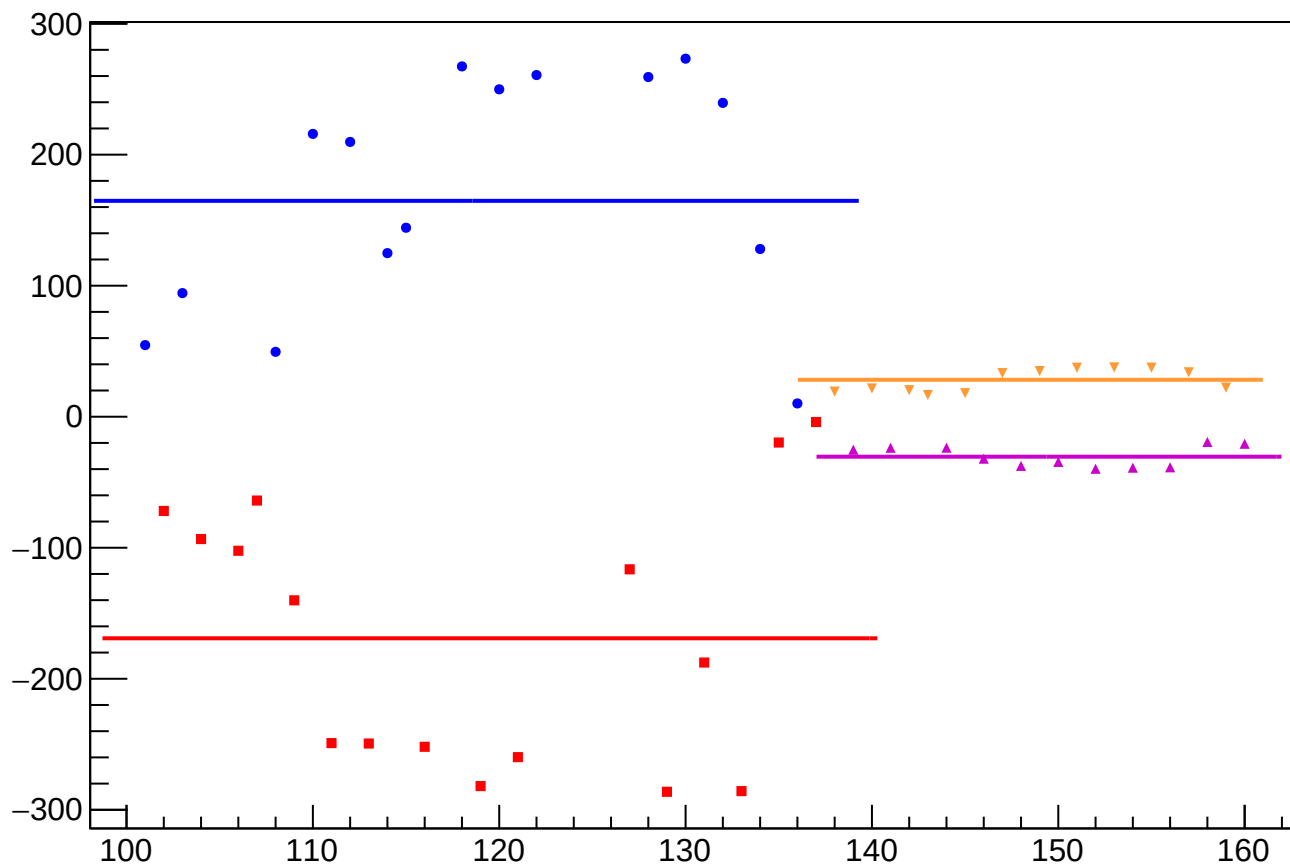
Right In: 82.422+/-0.000 χ^2/NDF : 1263633347129443757477527241185296384.0/14
 Left Out: 77.927+/-0.000 χ^2/NDF : 108816585289567770159719515210907648.0/11
 Right Out: -77.430+/-0.000 χ^2/NDF : 1515456409368458038568290276111024128.0/15
 Left In: -82.361+/-0.000 χ^2/NDF : 88160536769186096496846966890692608.0/10
 All: -0.961+/-0.000 χ^2/NDF : 2319921906530

dit_sam8_coil3_Ndata_mean vs Slug, Sign Corrected



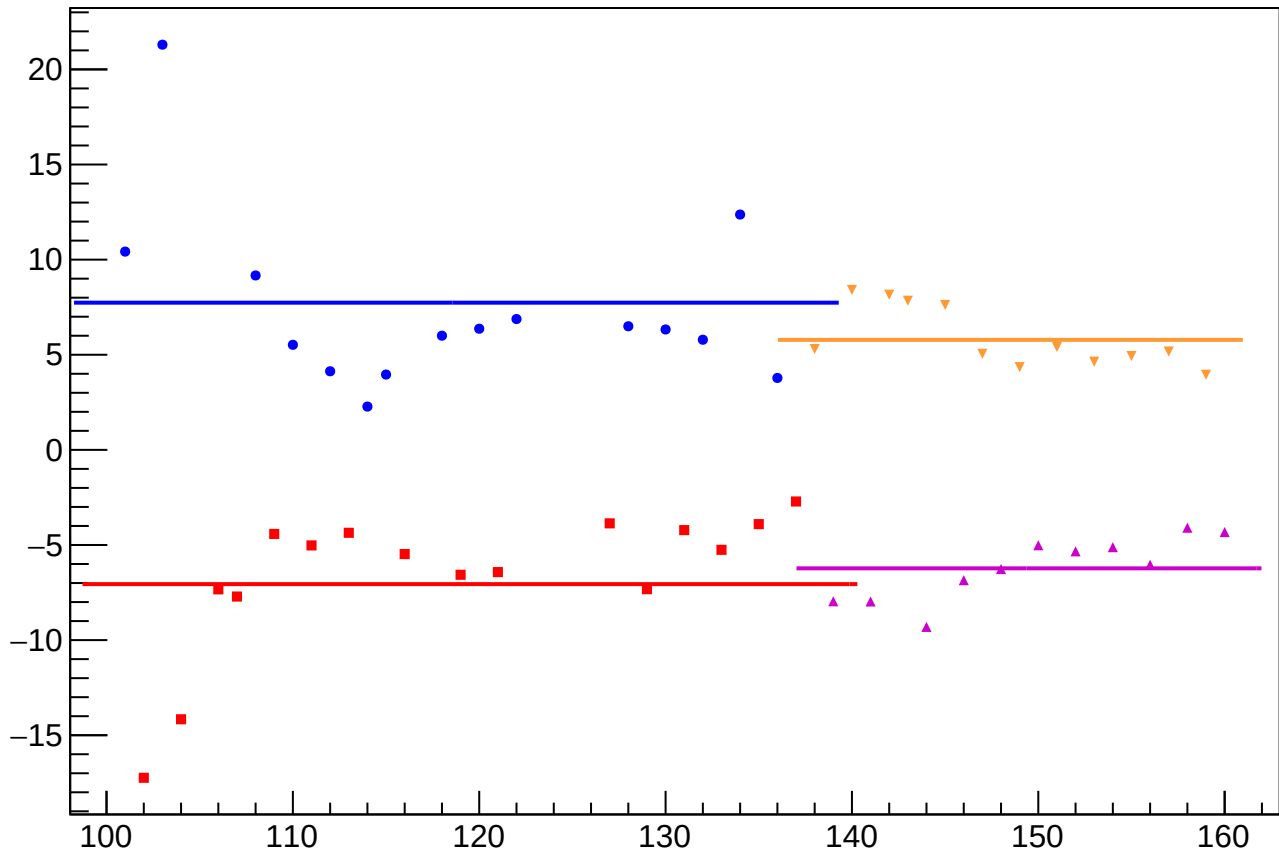
Right In: 1104.111 $\pm$ 0.000 χ^2 /NDF: 32737841591587454251521906421545304064.0/14
 Left Out: 1179.336 $\pm$ 0.000 χ^2 /NDF: 38742916032610862911819544133355175936.0/11
 Right Out: -1007.906 $\pm$ 0.000 χ^2 /NDF: 69077878009873965622695939627477368832.0/15
 Left In: -1277.097 $\pm$ 0.000 χ^2 /NDF: 29578729901602647998073818936097374208.0/10
 All: -18.335 $\pm$ 0.000 χ^2 /NDF: 441608022845

dit_4aX_coil7_mean vs Slug, Sign Corrected



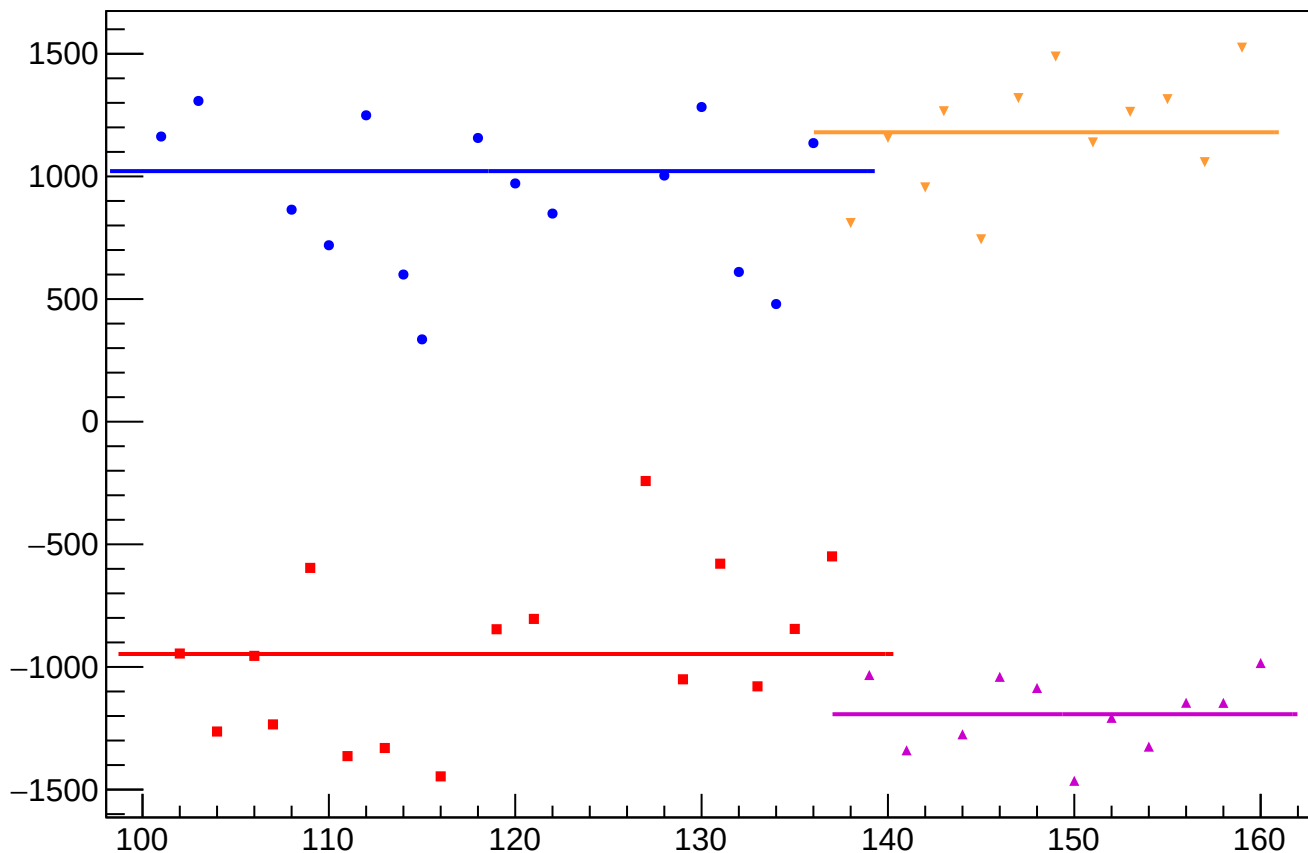
Left: -1.317 ± 0.000 $\chi^2/\text{NDF}: 16978934081589781$
 Right In: 164.752 ± 0.000 $\chi^2/\text{NDF}: 6369828943181833917425699916554960896.0/14$
 Left Out: 28.192 ± 0.000 $\chi^2/\text{NDF}: 62073928949862768083975059378536448.0/11$
 Right Out: -169.108 ± 0.000 $\chi^2/\text{NDF}: 6040721802042936822766910687819071488.0/15$
 In: 50.054 ± 0.000 $\chi^2/\text{NDF}: 209572439496556085$
 Out: -55.045 ± 0.000 $\chi^2/\text{NDF}: 2111323920107624$
 Left In: -30.507 ± 0.000 $\chi^2/\text{NDF}: 52600700148274049801586699671699456.0/10$
 All: -2.629 ± 0.000 $\chi^2/\text{NDF}: 5078015592202$

dit_4aX_coil7_err_mean vs Slug, Sign Corrected



Right In: 7.738 $\pm$ 0.000 χ^2 /NDF: 15127215479234506007469492768079872.0/14
 Left Out: 5.783 $\pm$ 0.000 χ^2 /NDF: 2082103650411209995862519006101504.0/11
 Right Out: -7.057 $\pm$ 0.000 χ^2 /NDF: 11292441204139394792341242753581056.0/15
 Left In: -6.228 $\pm$ 0.000 χ^2 /NDF: 2331911751655733809355489024147456.0/10
 All: -0.049 $\pm$ 0.000 χ^2 /NDF: 1693113496789

dit_4aX_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

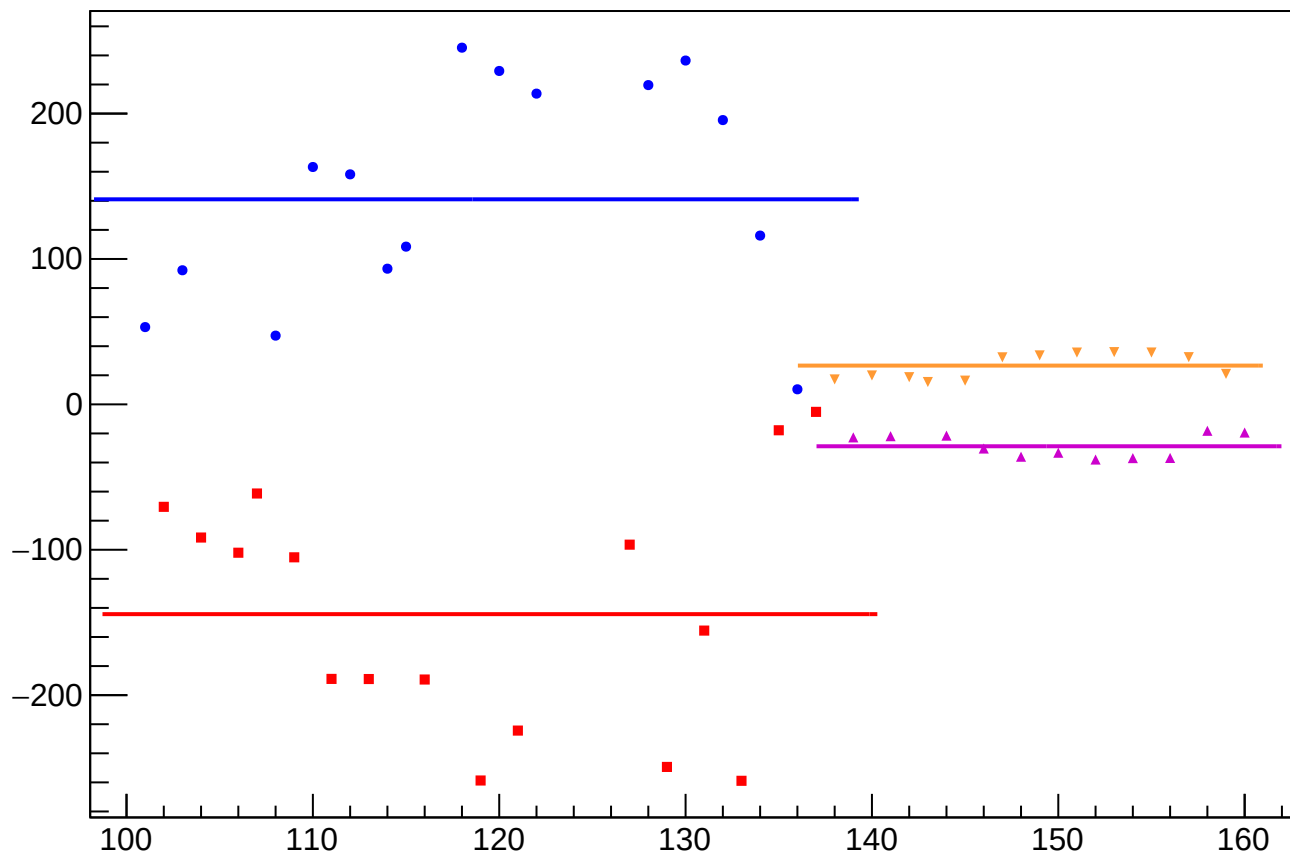
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

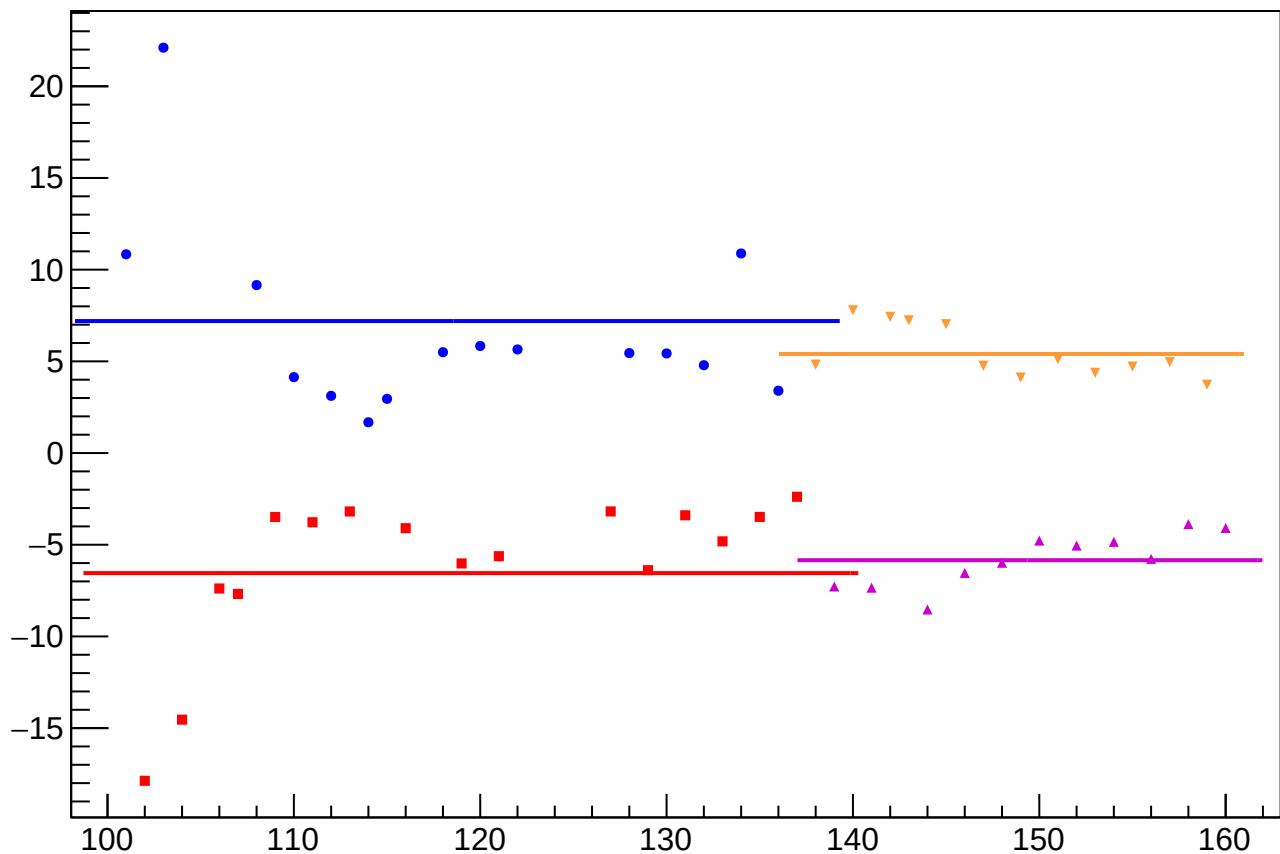
All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_4eX_coil7_mean vs Slug, Sign Corrected



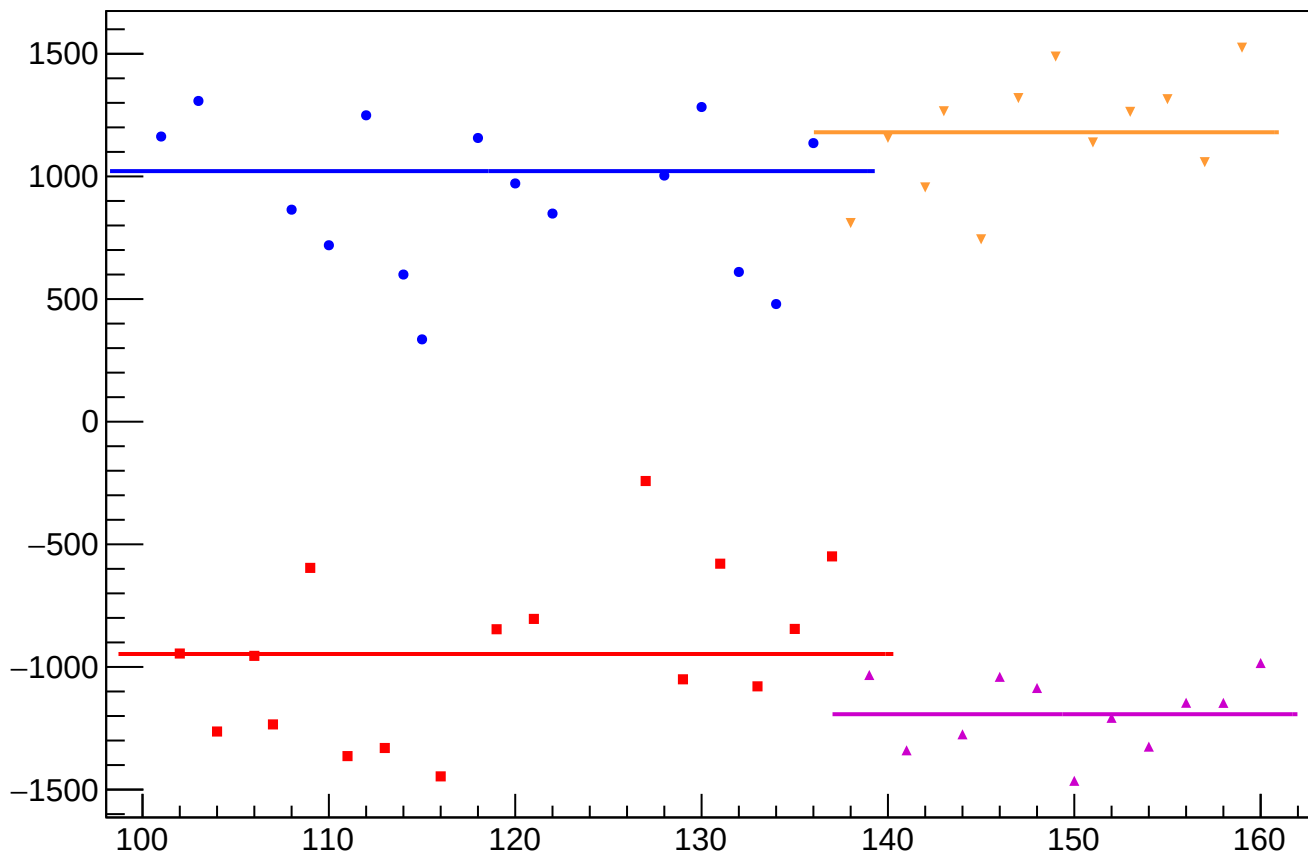
Left: -1.225 ± 0.000 $\chi^2/\text{NDF}: 15294237123103654$
 Right In: 141.032 ± 0.000 $\chi^2/\text{NDF}: 4507992585512923332587415612245934080.0/14$
 Right: -3.577 ± 0.000 $\chi^2/\text{NDF}: 3555338643006251$
 Left Out: 26.669 ± 0.000 $\chi^2/\text{NDF}: 62522343114115856238629096966324224.0/11$
 In: 41.261 ± 0.000 $\chi^2/\text{NDF}: 155582029133540229$
 Right Out: -144.283 ± 0.000 $\chi^2/\text{NDF}: 4268333571517740886065361663928827904.0/15$
 Out: -45.453 ± 0.000 $\chi^2/\text{NDF}: 1559993230161443$
 Left In: -28.817 ± 0.000 $\chi^2/\text{NDF}: 52309797532132393990553277307027456.0/10$
 All: -2.206 ± 0.000 $\chi^2/\text{NDF}: 3708705323759$

dit_4eX_coil7_err_mean vs Slug, Sign Corrected



Right In: 7.198 ± 0.000 χ^2/NDF : 18212640728502785337831966963138560.0/14
 Left Out: 5.404 ± 0.000 χ^2/NDF : 1657476673222734549536062415306752.0/11
 Right Out: -6.547 ± 0.000 χ^2/NDF : 14078912505116068936230809834094592.0/15
 Left In: -5.843 ± 0.000 χ^2/NDF : 1832786837102707862400537806766080.0/10
 All: -0.049 ± 0.000 χ^2/NDF : 1562270252344

dit_4eX_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 $\pm$ 0.000

Left Out: 1180.103 $\pm$ 0.000

Right Out: -947.145 $\pm$ 0.000

Left In: -1192.687 $\pm$ 0.000

χ^2 /NDF: 40493101470870278397836276403592495104.0/14

χ^2 /NDF: 50788606804690292724539730503787347968.0/11

χ^2 /NDF: 67784656011936521511169668028018196480.0/15

χ^2 /NDF: 19255287383728205662654022867381911552.0/10

Left: -12.747 $\pm$ 0.000 χ^2 /NDF: 2657013306605046

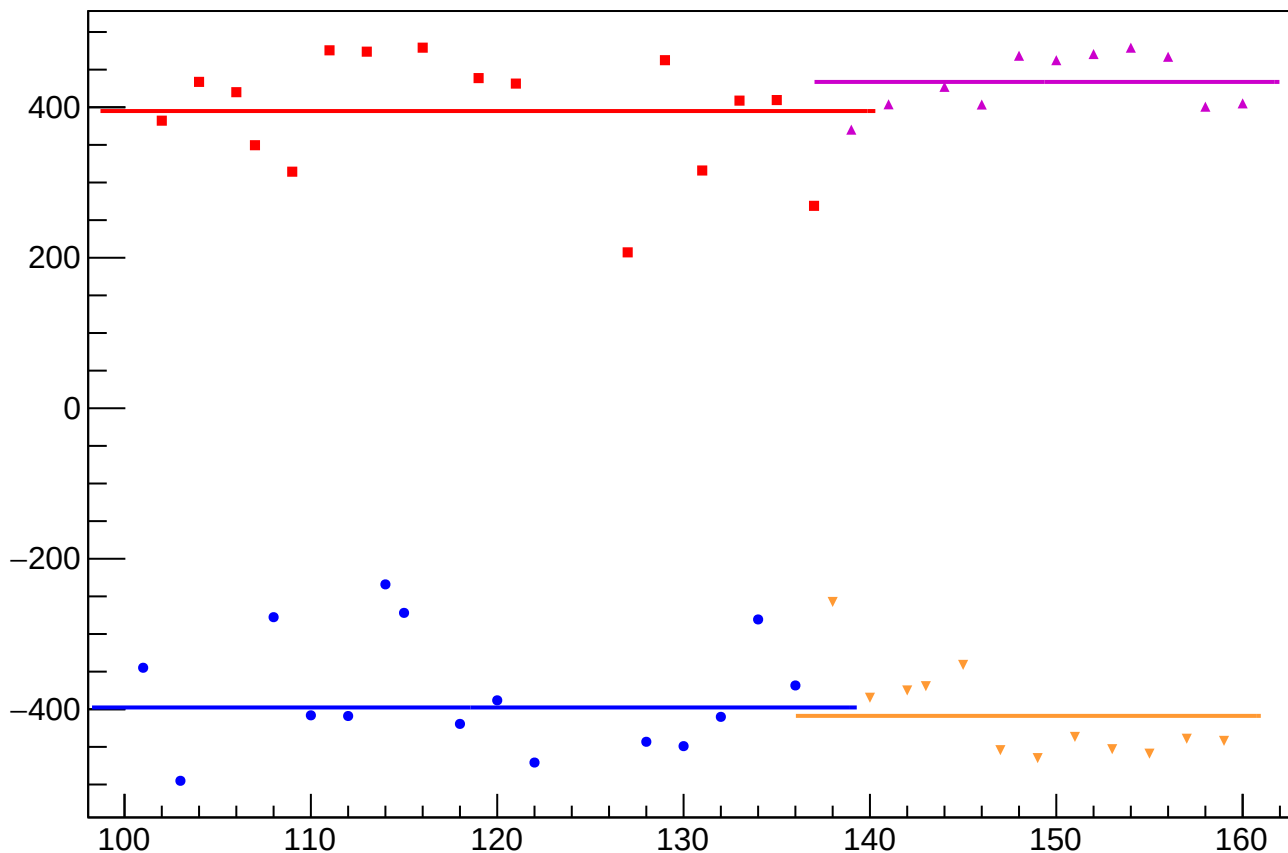
Right: 23.805 $\pm$ 0.000 χ^2 /NDF: 1383338523153511

In: -279.065 $\pm$ 0.000 χ^2 /NDF: 1929090788254319

Out: 282.649 $\pm$ 0.000 χ^2 /NDF: 1863497273761245

All: 2.504 $\pm$ 0.000 χ^2 /NDF: 40413764320356

dit_11X12X_coil7_mean vs Slug, Sign Corrected



Right In: -397.613+/-0.000

χ^2/NDF : 2661280785384633207096106229474263040.0/14

Left Out: -408.794+/-0.000

χ^2/NDF : 3366573213961692909439105040404971520.0/11

Right Out: 394.973+/-0.000

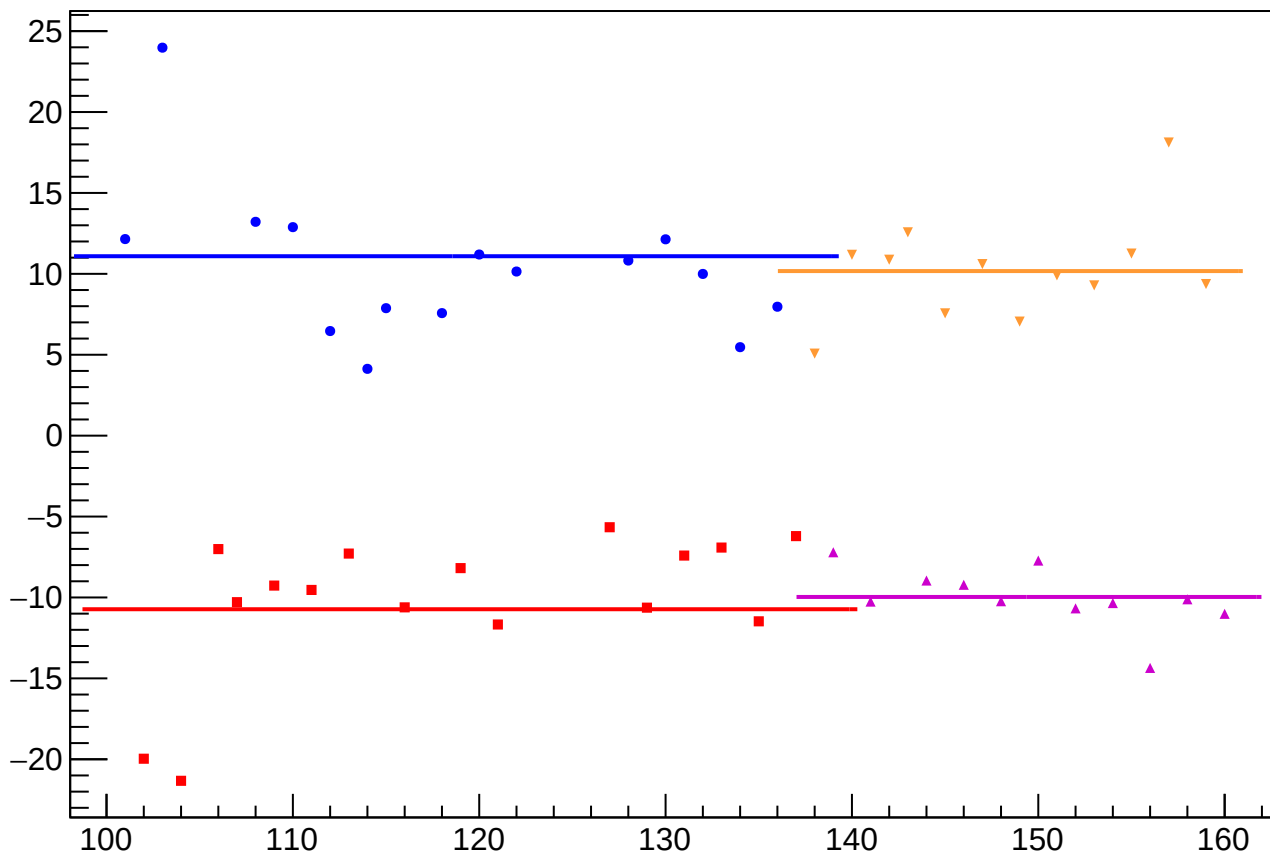
χ^2/NDF : 3685595513427183501596165280874102784.0/15

Left In: 433.664+/-0.000

χ^2/NDF : 1198237421385461104687495484599697408.0/10

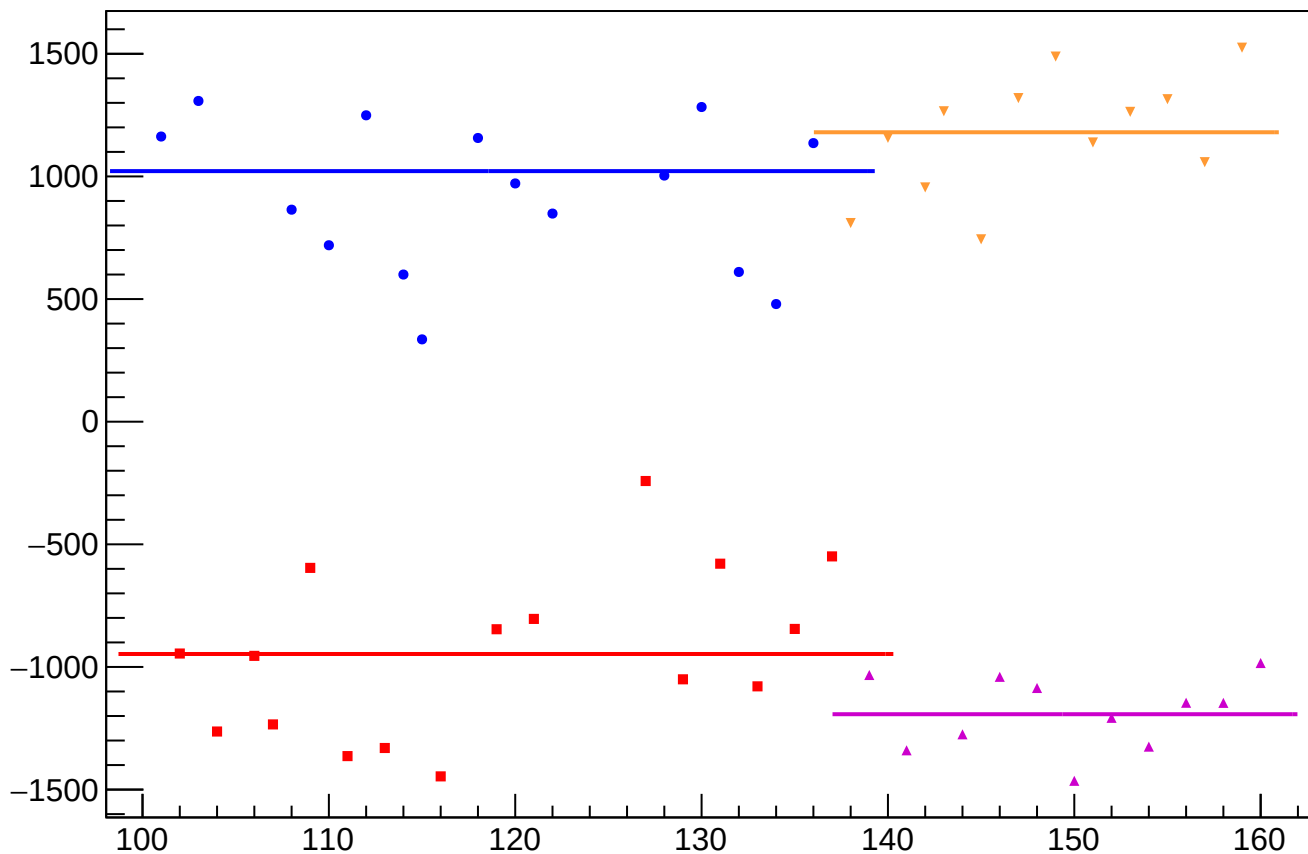
All: 10.293+/-0.000 χ^2/NDF : 5437489116587

dit_11X12X_coil7_err_mean vs Slug, Sign Corrected



Right In: 11.089 ± 0.000 $\chi^2/\text{NDF}: 14235991122014984478163351266918400.0/14$
 Left Out: 10.171 ± 0.000 $\chi^2/\text{NDF}: 9089684940831859823552687731900416.0/11$
 Right Out: -10.728 ± 0.000 $\chi^2/\text{NDF}: 14767238290725260908081124437131264.0/15$
 Left In: -9.968 ± 0.000 $\chi^2/\text{NDF}: 2905664542402179840795878184976384.0/10$
 All: 0.040 ± 0.000 $\chi^2/\text{NDF}: 38392284563118$

dit_11X12X_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

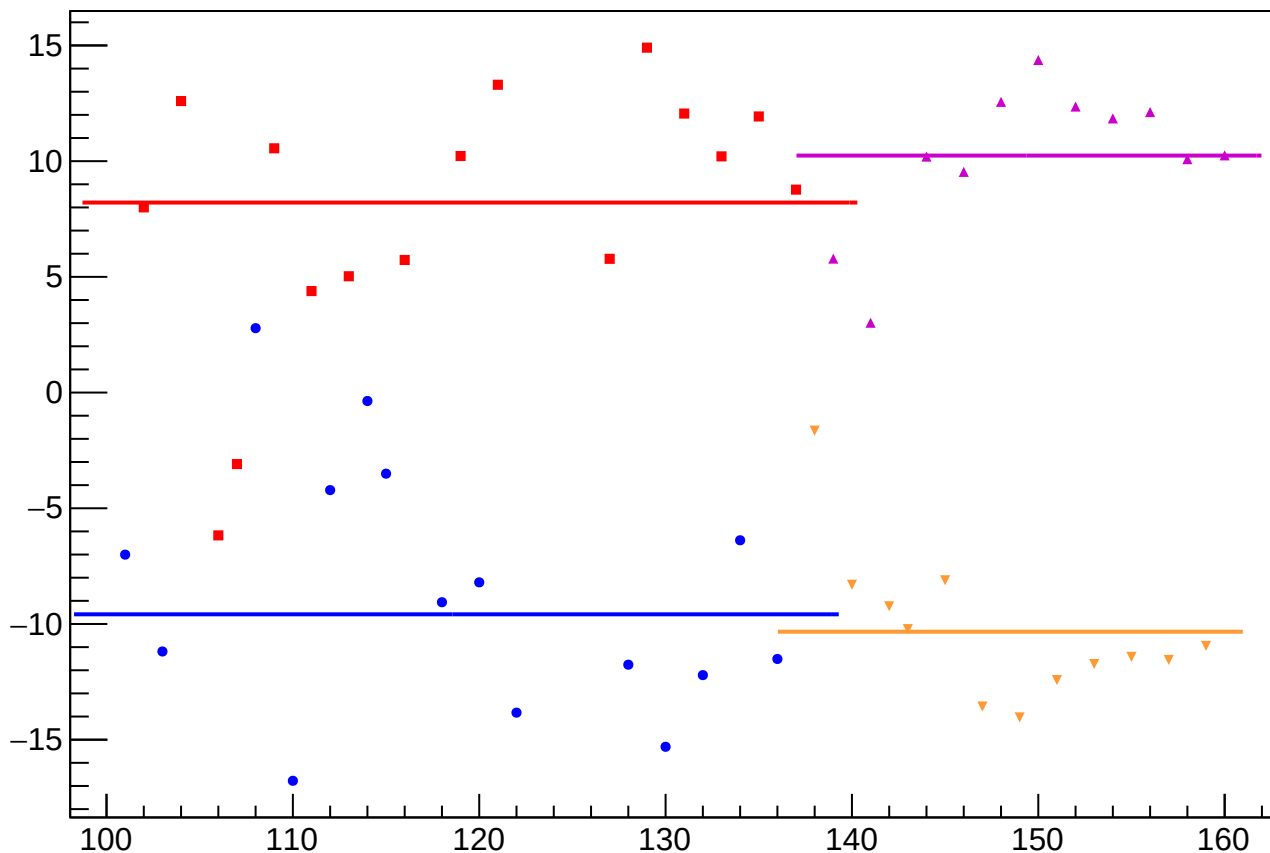
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_4aY_coil7_mean vs Slug, Sign Corrected



Right In: -9.582 ± 0.000

Left Out: -10.333 ± 0.000

Right Out: 8.211 ± 0.000

Left In: 10.241 ± 0.000

χ^2/NDF : 14702679983940002820806471963377664.0/14

χ^2/NDF : 9377692425026365375047041474887680.0/11

χ^2/NDF : 18304237293835961465605754204454912.0/15

χ^2/NDF : 8992829088408430483485977772818432.0/10

Left: 0.010 ± 0.000 χ^2/NDF : 212884271856614194

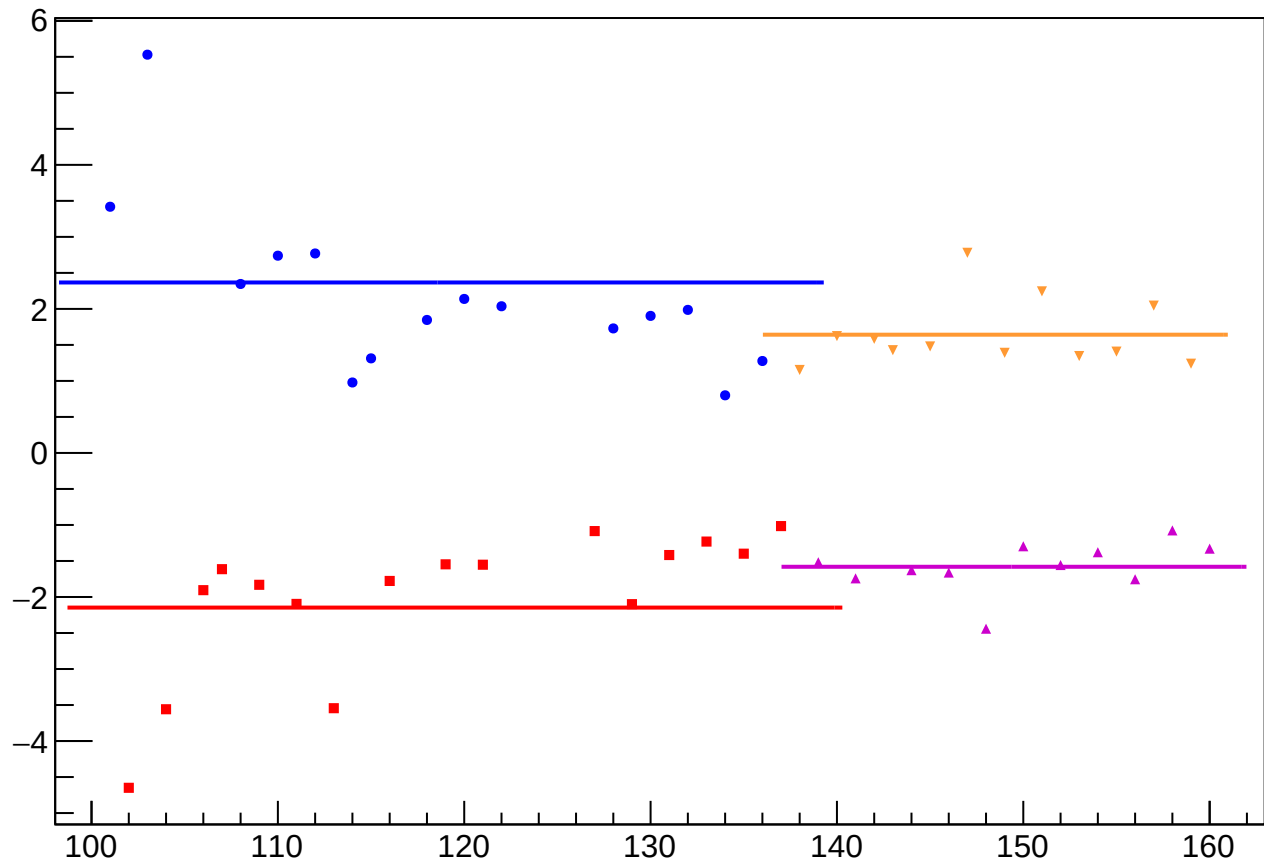
Right: -0.564 ± 0.000 χ^2/NDF : 1371493250181668

In: 2.062 ± 0.000 χ^2/NDF : 1735093437250268156

Out: -2.510 ± 0.000 χ^2/NDF : 16029265277756400

All: -0.229 ± 0.000 χ^2/NDF : 3502860386482

dit_4aY_coil7_err_mean vs Slug, Sign Corrected



Right In: 2.367 $\pm$ 0.000

χ^2 /NDF: 920633294546152876922066767446016.0/14

Left Out: 1.642 $\pm$ 0.000

χ^2 /NDF: 195842148226043527039909915262976.0/11

Right Out: -2.147 $\pm$ 0.000

χ^2 /NDF: 764171992480224478656127555338240.0/15

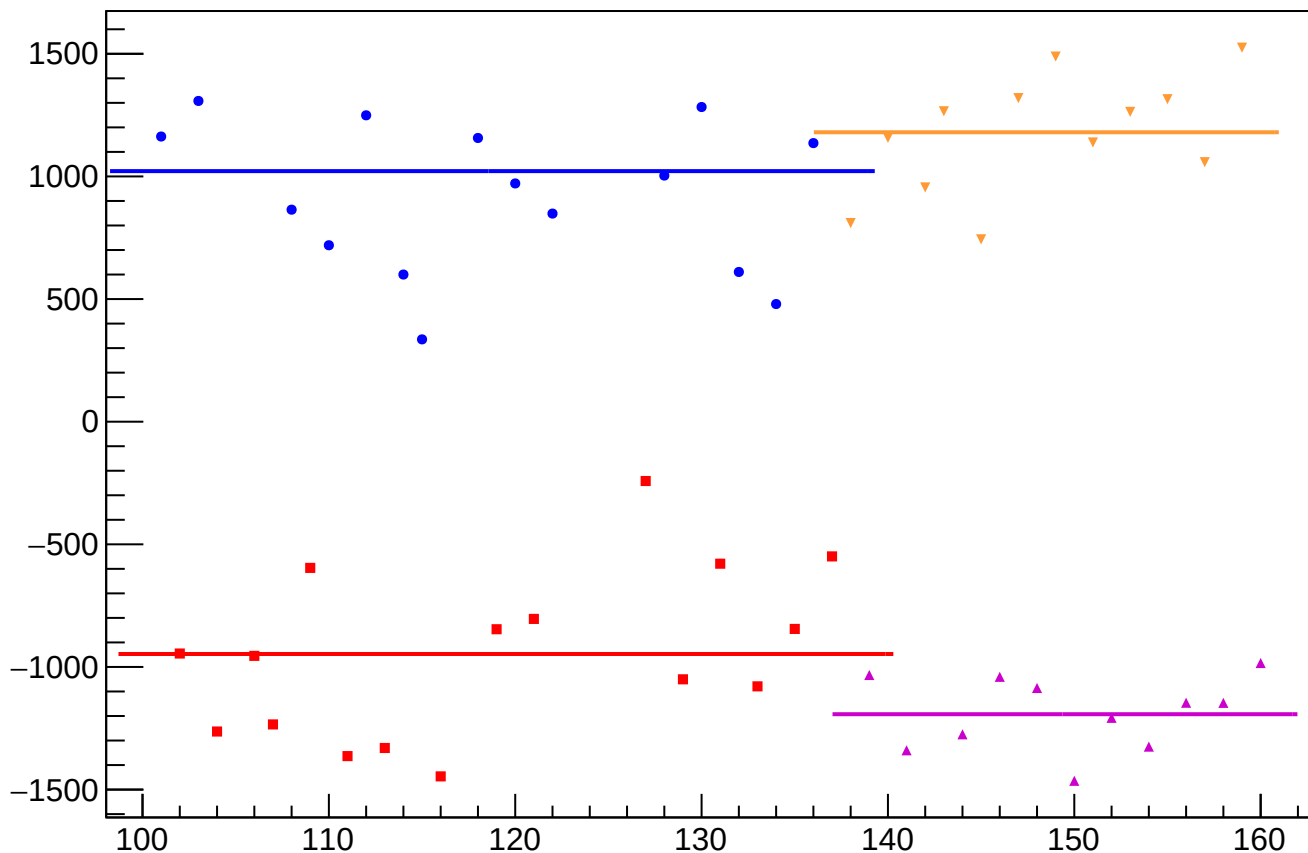
Left In: -1.580 $\pm$ 0.000

χ^2 /NDF: 104159820106689813353171792166912.0/10

All: 0.046 $\pm$ 0.000

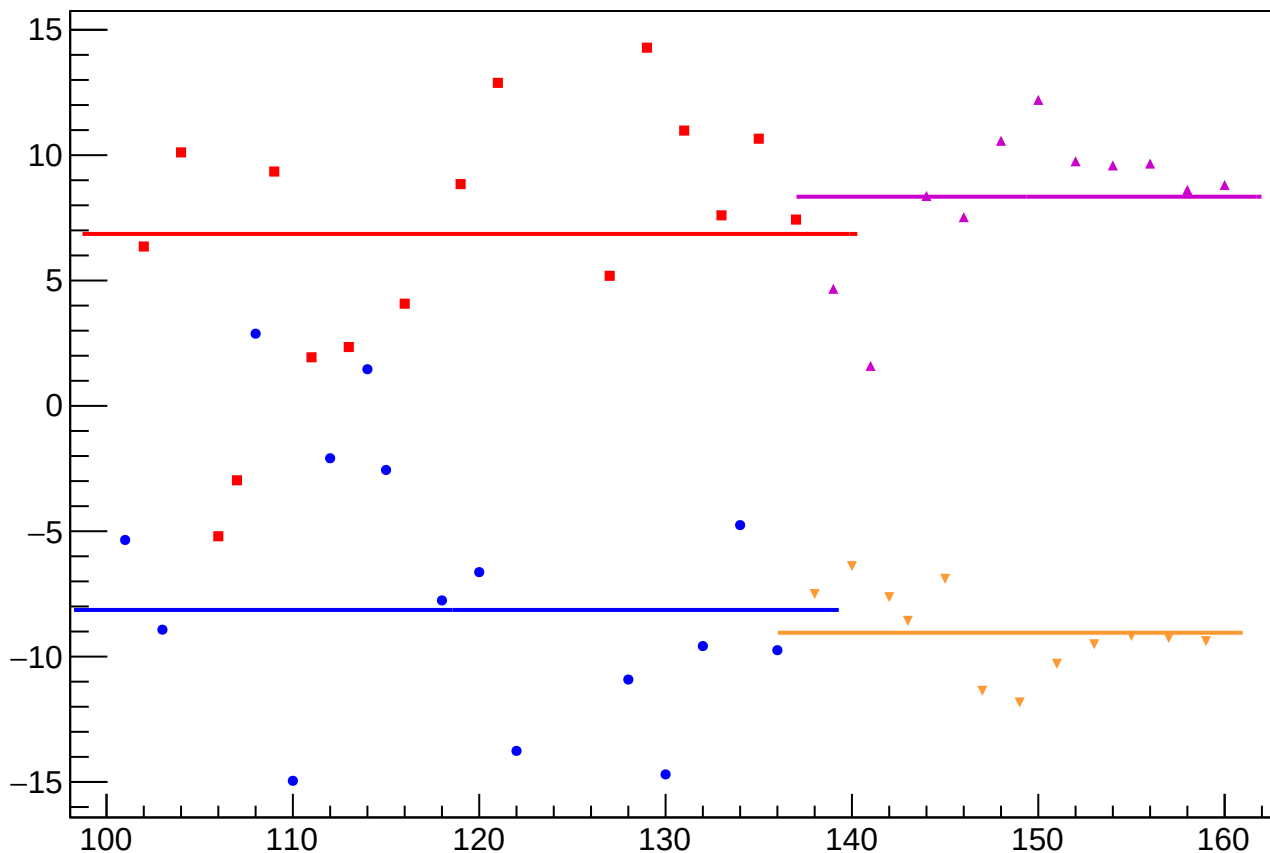
χ^2 /NDF: 13461521258222

dit_4aY_coil7_Ndata_mean vs Slug, Sign Corrected



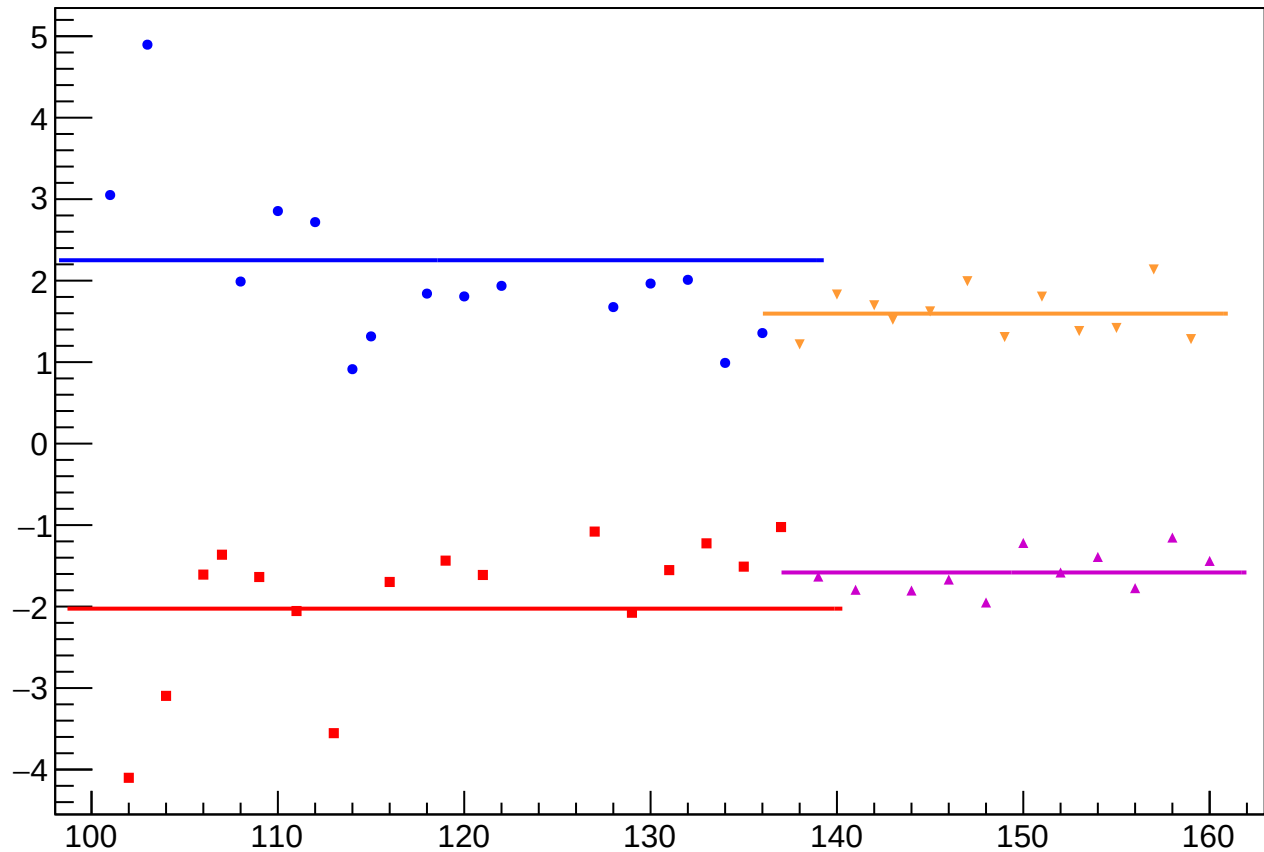
Right In: 1021.684 $\pm$ 0.000 χ^2 /NDF: 40493101470870278397836276403592495104.0/14
 Left Out: 1180.103 $\pm$ 0.000 χ^2 /NDF: 50788606804690292724539730503787347968.0/11
 Right Out: -947.145 $\pm$ 0.000 χ^2 /NDF: 67784656011936521511169668028018196480.0/15
 Left In: -1192.687 $\pm$ 0.000 χ^2 /NDF: 19255287383728205662654022867381911552.0/10
 All: 2.504 $\pm$ 0.000 χ^2 /NDF: 40413764320356

dit_4eY_coil7_mean vs Slug, Sign Corrected



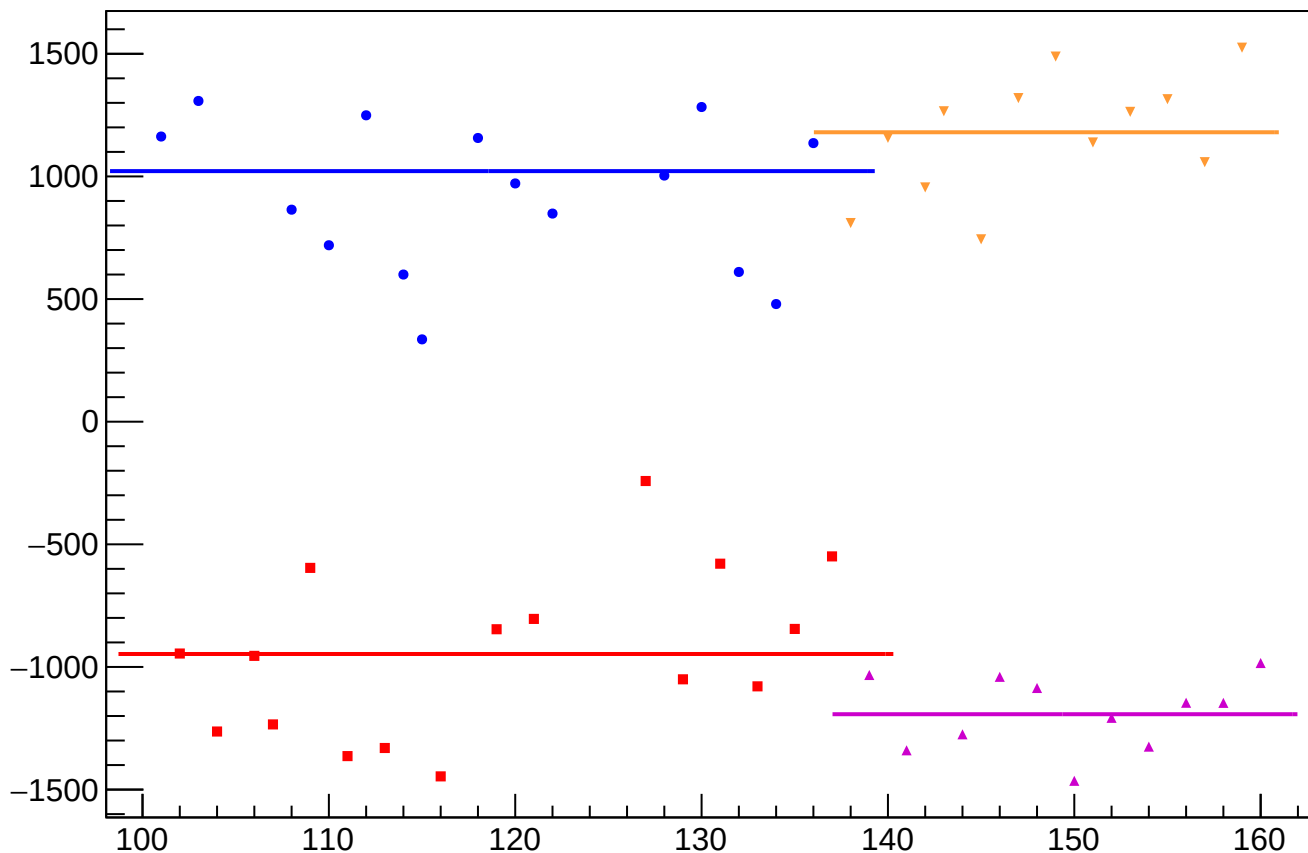
Right In: -8.139 ± 0.000 $\chi^2/\text{NDF}: 14676442649222120372533779893321728.0/14$
 Left Out: -9.049 ± 0.000 $\chi^2/\text{NDF}: 2449058506184839792133889501167616.0/11$
 Right Out: 6.859 ± 0.000 $\chi^2/\text{NDF}: 16483631561591790731352632153079808.0/15$
 Left In: 8.343 ± 0.000 $\chi^2/\text{NDF}: 7268690948063694771204756789526528.0/10$
 All: -0.402 ± 0.000 $\chi^2/\text{NDF}: 2538807042517$

dit_4eY_coil7_err_mean vs Slug, Sign Corrected



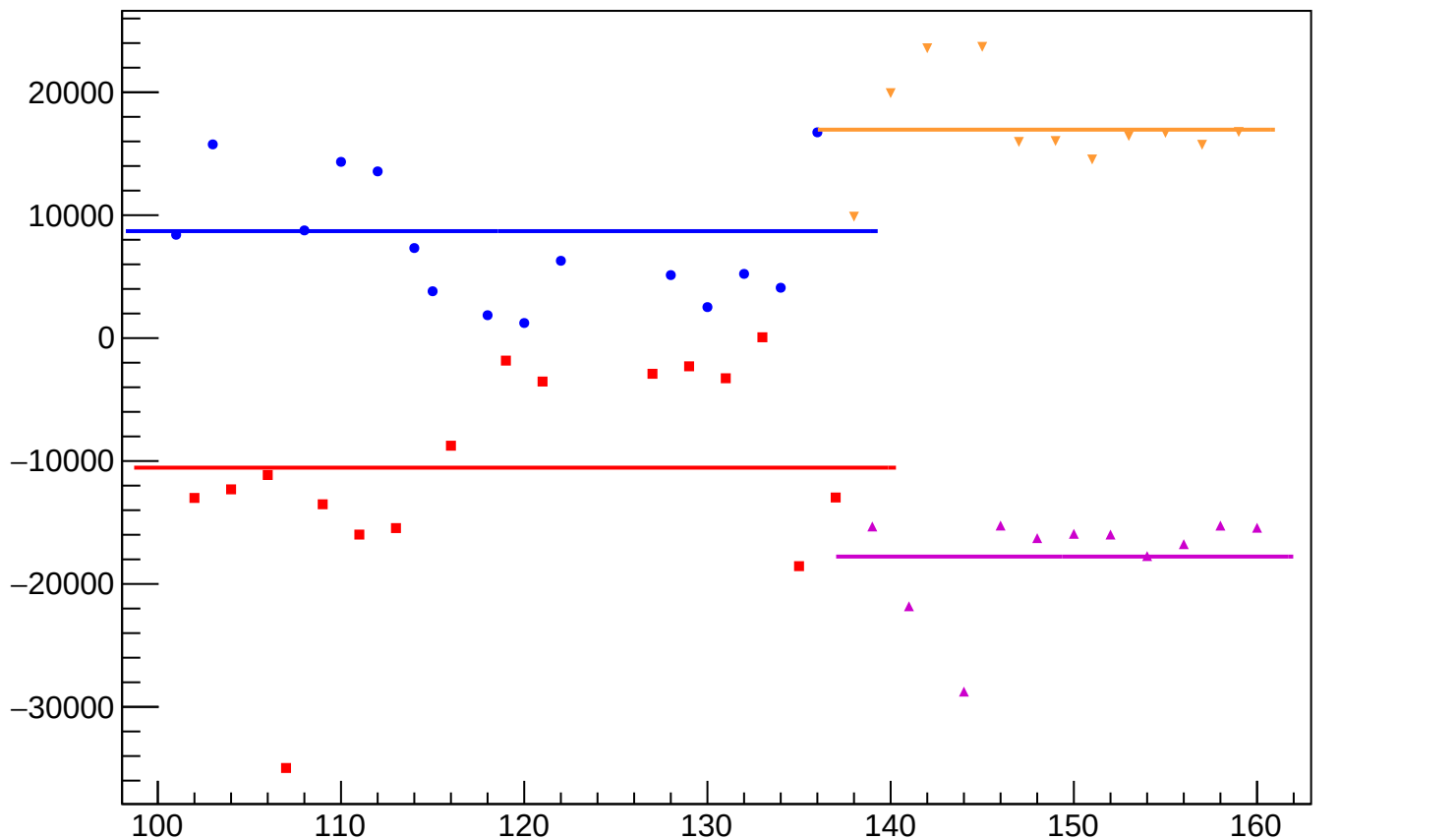
Right In: 2.250 ± 0.000 $\chi^2/\text{NDF}: 656774588136274816295442701090816.0/14$
 Left Out: 1.595 ± 0.000 $\chi^2/\text{NDF}: 76549213292208781148545230045184.0/11$
 Right Out: -2.025 ± 0.000 $\chi^2/\text{NDF}: 578717441762956454616505599918080.0/15$
 Left In: -1.582 ± 0.000 $\chi^2/\text{NDF}: 54930988145763434904897999339520.0/10$
 All: 0.034 ± 0.000 $\chi^2/\text{NDF}: 12024014402929$

dit_4eY_coil7_Ndata_mean vs Slug, Sign Corrected



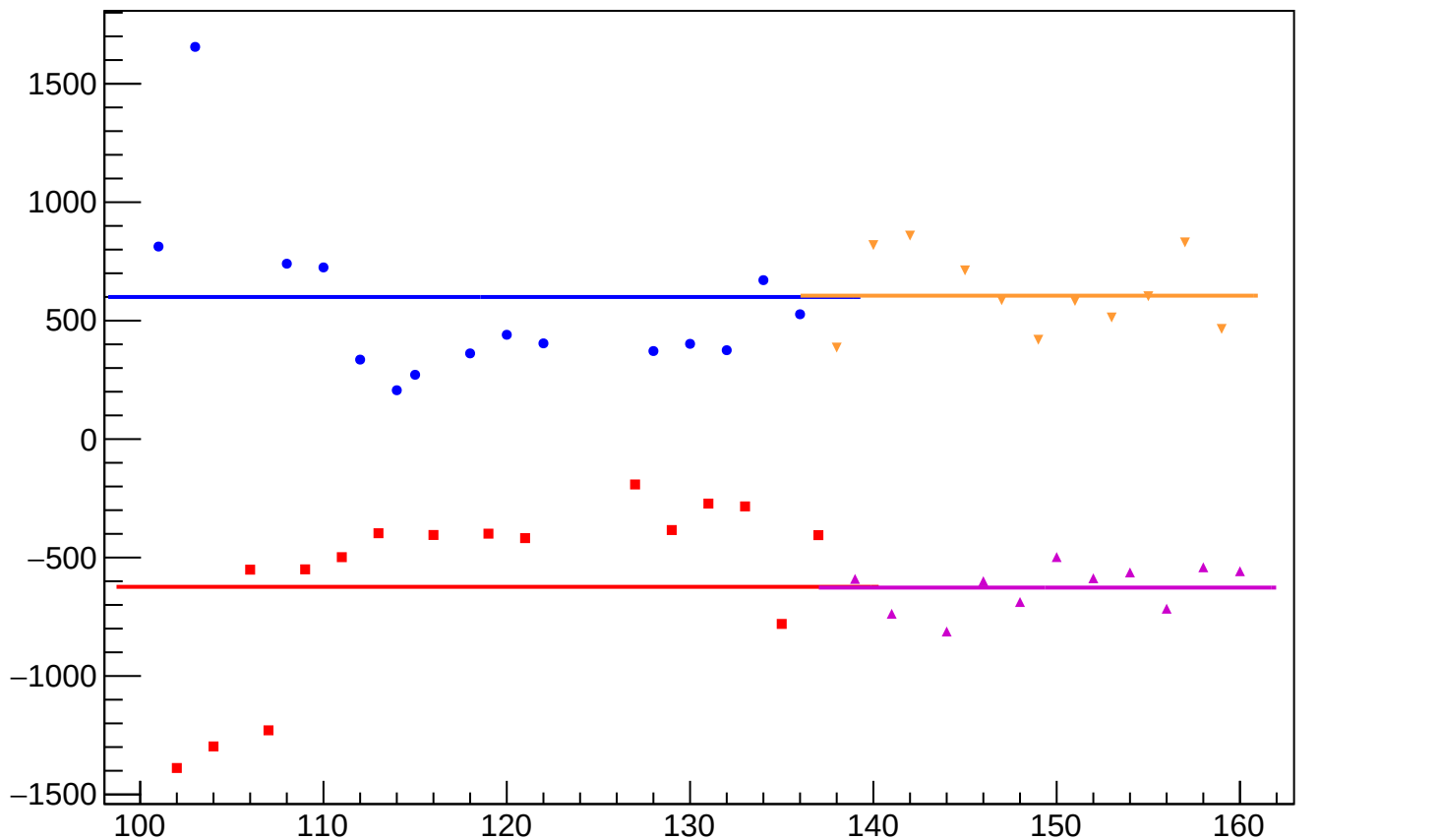
Right In: 1021.684+/-0.000	χ^2/NDF : 40493101470870278397836276403592495104.0/14	Left: -12.747+/-0.000	χ^2/NDF : 2657013306605046
Left Out: 1180.103+/-0.000	χ^2/NDF : 50788606804690292724539730503787347968.0/11	Right: 23.805+/-0.000	χ^2/NDF : 1383338523153511
Right Out: -947.145+/-0.000	χ^2/NDF : 67784656011936521511169668028018196480.0/15	In: -279.065+/-0.000	χ^2/NDF : 1929090788254319
Left In: -1192.687+/-0.000	χ^2/NDF : 19255287383728205662654022867381911552.0/10	Out: 282.649+/-0.000	χ^2/NDF : 1863497273761245
	All: 2.504+/-0.000	χ^2/NDF : 40413764320356	

dit_usl_coil7_mean vs Slug, Sign Corrected



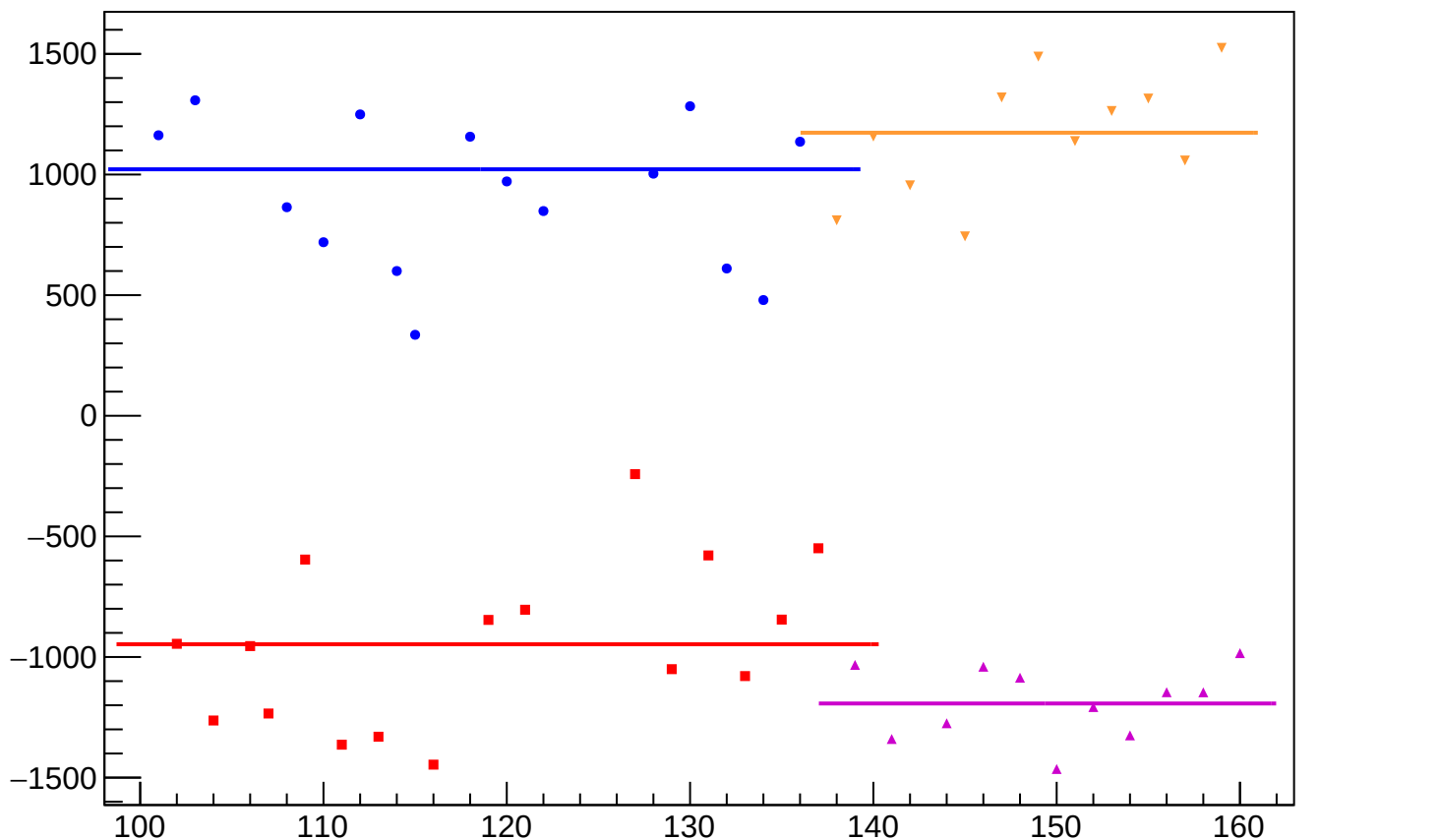
Left: -1162.779 +/- 0.000 χ^2/NDF : 55890843498990
 Right In: 8703.332 +/- 0.000 χ^2/NDF : 19501133067308426859536304500819191922688.0/14
 Right: -1049.596 +/- 0.000 χ^2/NDF : 1875271262832
 Left Out: 16957.575 +/- 0.000 χ^2/NDF : 10938008625550561770285254297697243889664.0/10
 In: -6849.259 +/- 0.000 χ^2/NDF : 301670600144202
 Right Out: -10539.327 +/- 0.000 χ^2/NDF : 46226684227836109273394062569753758662656.0/15
 Out: 4843.682 +/- 0.000 χ^2/NDF : 339295749801159
 Left In: -17773.103 +/- 0.000 χ^2/NDF : 14926066991142889452676587552618632445952.0/10
 All: -1114.529 +/- 0.000 χ^2/NDF : 7464452329

dit_usl_coil7_err_mean vs Slug, Sign Corrected



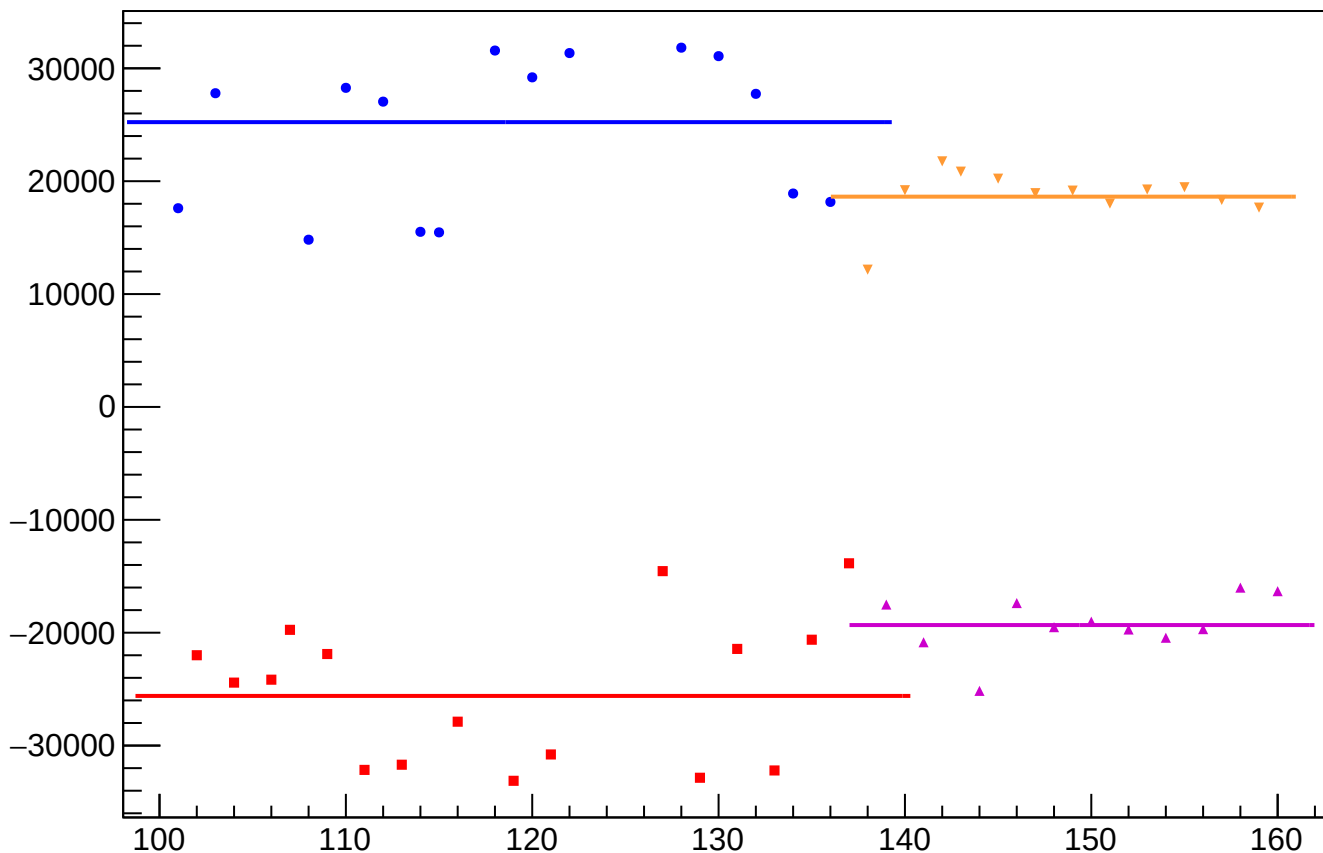
Right In: 599.849+/-0.000 χ^2/NDF : 89258961100373244309337208715638472704.0/14
 Left Out: 605.454+/-0.000 χ^2/NDF : 20600036696576889686488913862706855936.0/10
 Right Out: -623.569+/-0.000 χ^2/NDF : 101448845479297603044152618126879490048.0/15
 Left In: -626.785+/-0.000 χ^2/NDF : 8170989429665370050254275774703992832.0/10
 All: -30.110+/-0.000 χ^2/NDF : 138304886705

dit_usl_coil7_Ndata_mean vs Slug, Sign Corrected



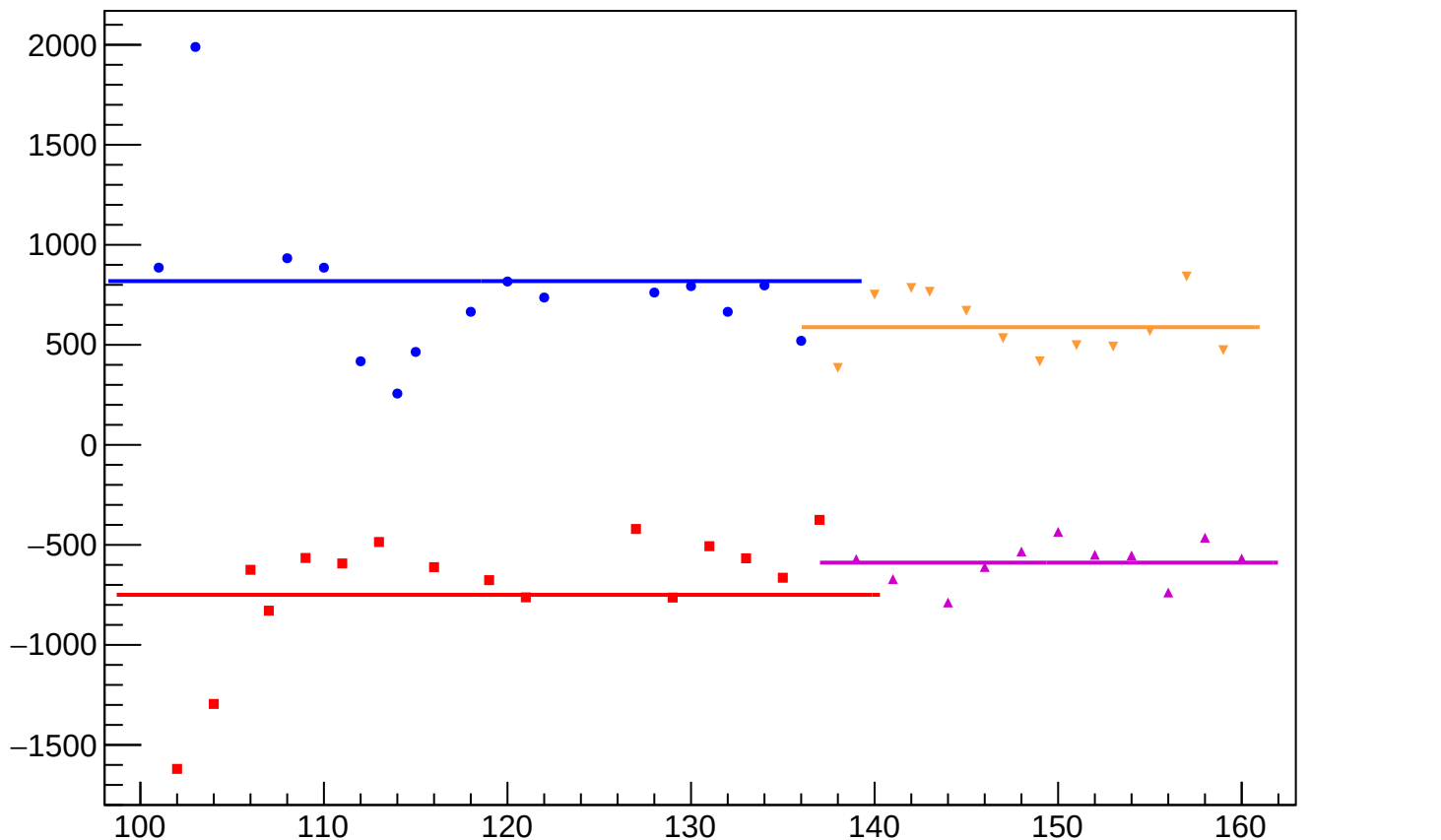
Right In: 1021.684 +/- 0.000 χ^2/NDF : 40493101470870278397836276403592495104.0/14
 Left Out: 1173.334 +/- 0.000 χ^2/NDF : 50259225692125439679244442751924699136.0/10
 Right Out: -947.145 +/- 0.000 χ^2/NDF : 67784656011936521511169668028018196480.0/15
 Left In: -1192.687 +/- 0.000 χ^2/NDF : 1925528738372820562654022867381911552.0/10
 All: -24.912 +/- 0.000 χ^2/NDF : 393215150522

dit_usr_coil7_mean vs Slug, Sign Corrected



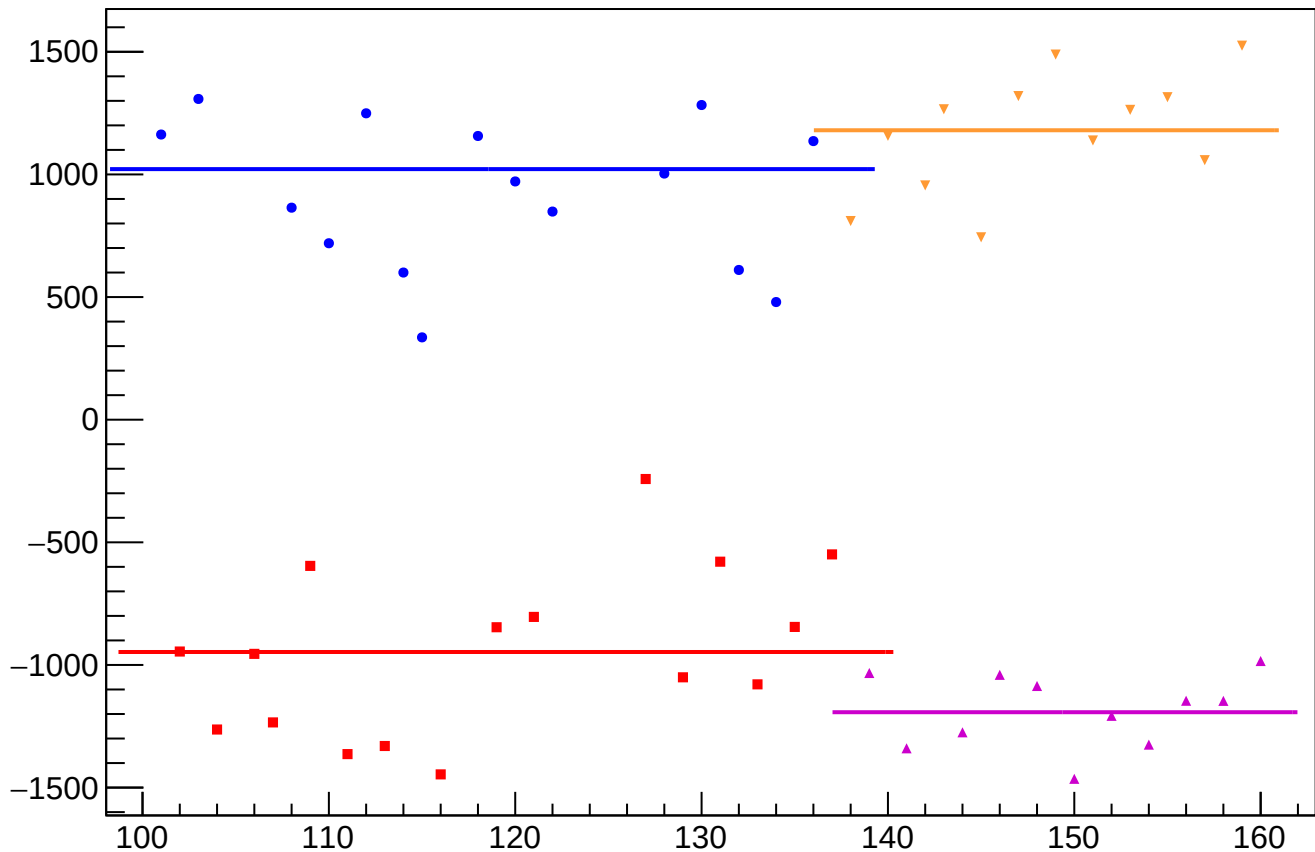
Right In: 25232.229+/-0.000 χ^2/NDF : 24534581974772031016304633863538632294400.0/14
 Left Out: 18630.609+/-0.000 χ^2/NDF : 4499157177792733453337123782201790431232.0/11
 Right Out: -25601.388+/-0.000 χ^2/NDF : 24359757587964510827650819847270483099648.0/15
 Left In: -19322.974+/-0.000 χ^2/NDF : 5509841990831420617123513924011035721728.0/10
 All: -483.976+/-0.000 χ^2/NDF : 15707826192

dit_usr_coil7_err_mean vs Slug, Sign Corrected



Right In: 818.668 ± 0.000 $\chi^2/\text{NDF}: 105606527096911974489496802318373355520.0/14$
 Left Out: 588.391 ± 0.000 $\chi^2/\text{NDF}: 20060197377989114991296665666078113792.0/11$
 Right Out: -749.661 ± 0.000 $\chi^2/\text{NDF}: 77972691834605708706145461250669150208.0/15$
 Left In: -588.693 ± 0.000 $\chi^2/\text{NDF}: 9904386894828699094725074481582178304.0/10$
 All: 7.967 ± 0.000 $\chi^2/\text{NDF}: 16598147133155$

dit_usr_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

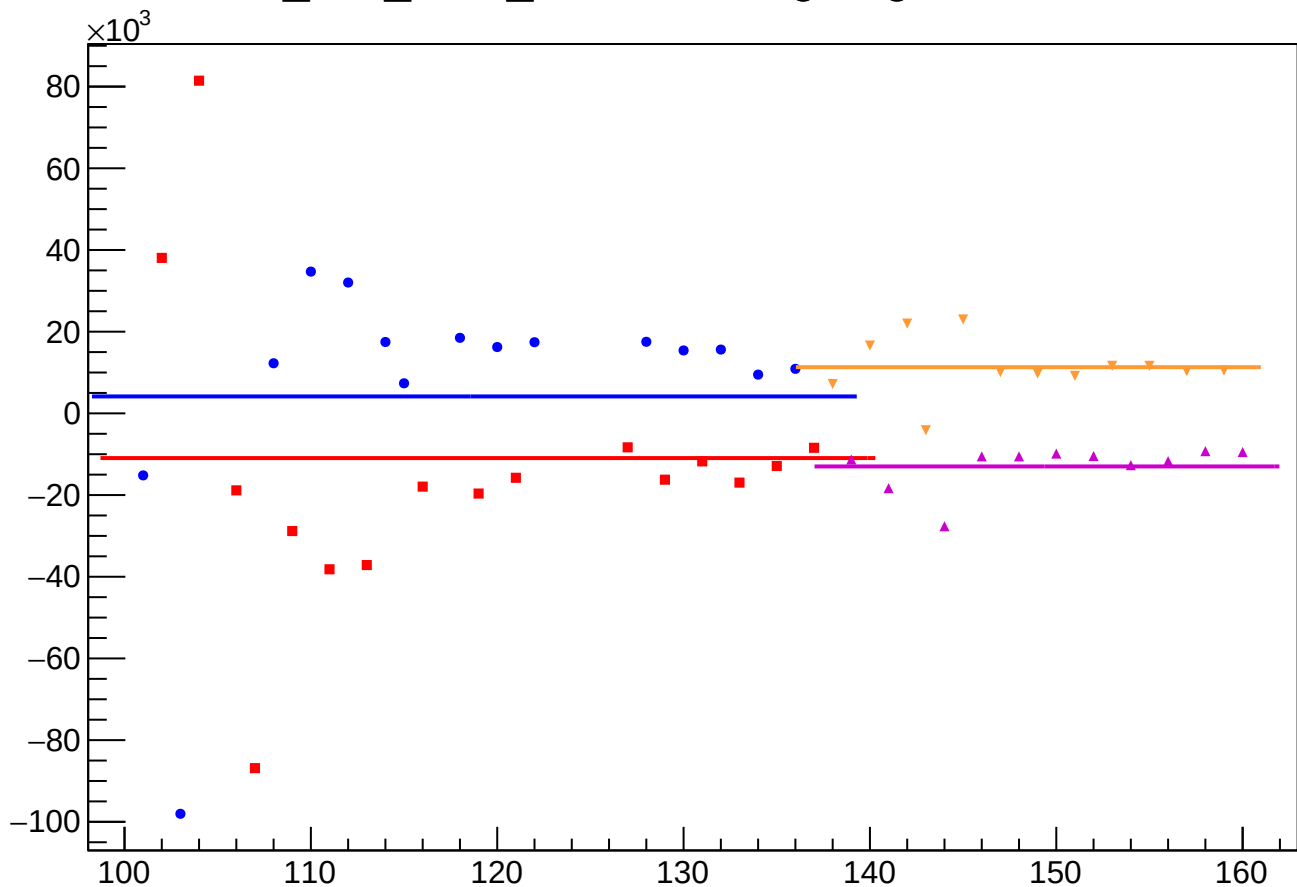
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

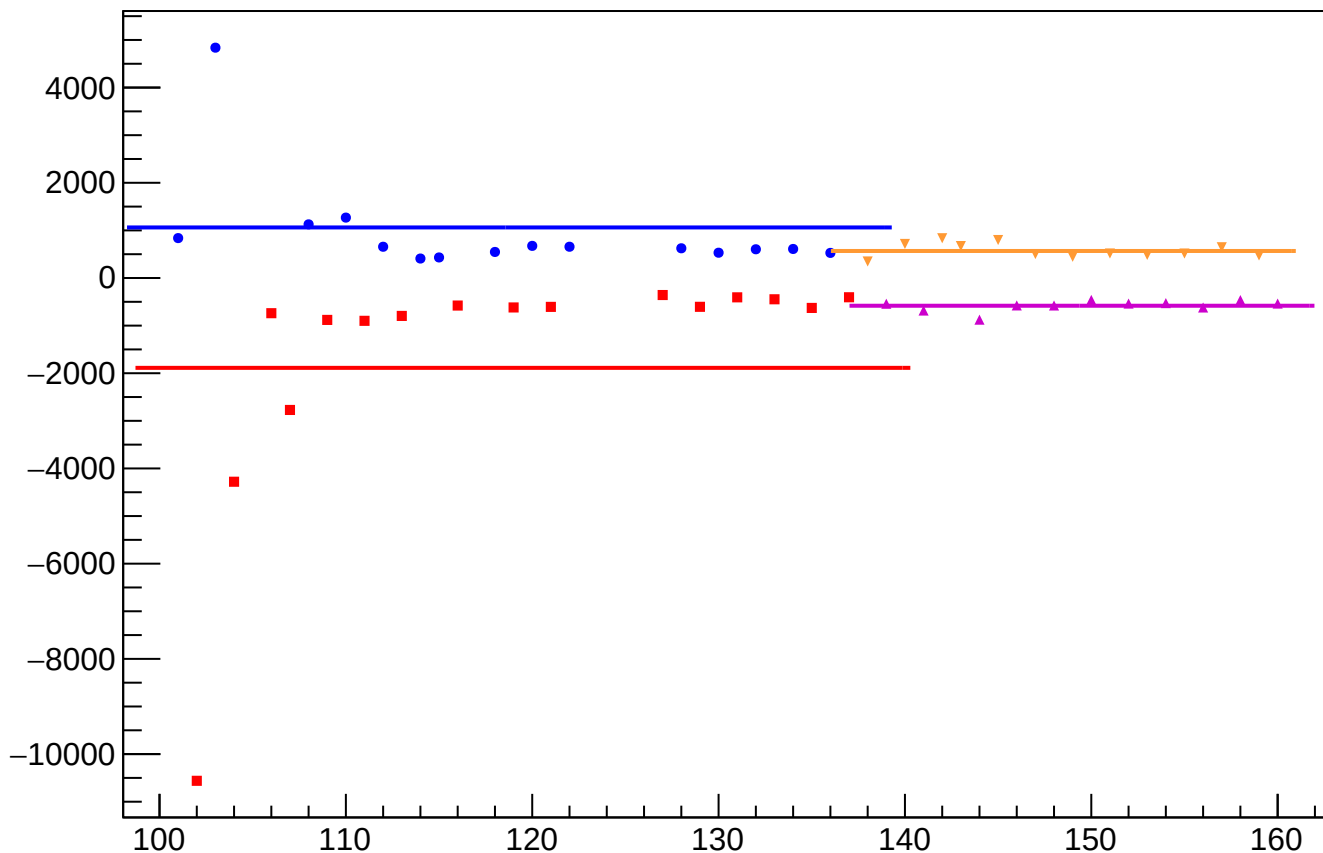
All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_atl1_coil7_mean vs Slug, Sign Corrected



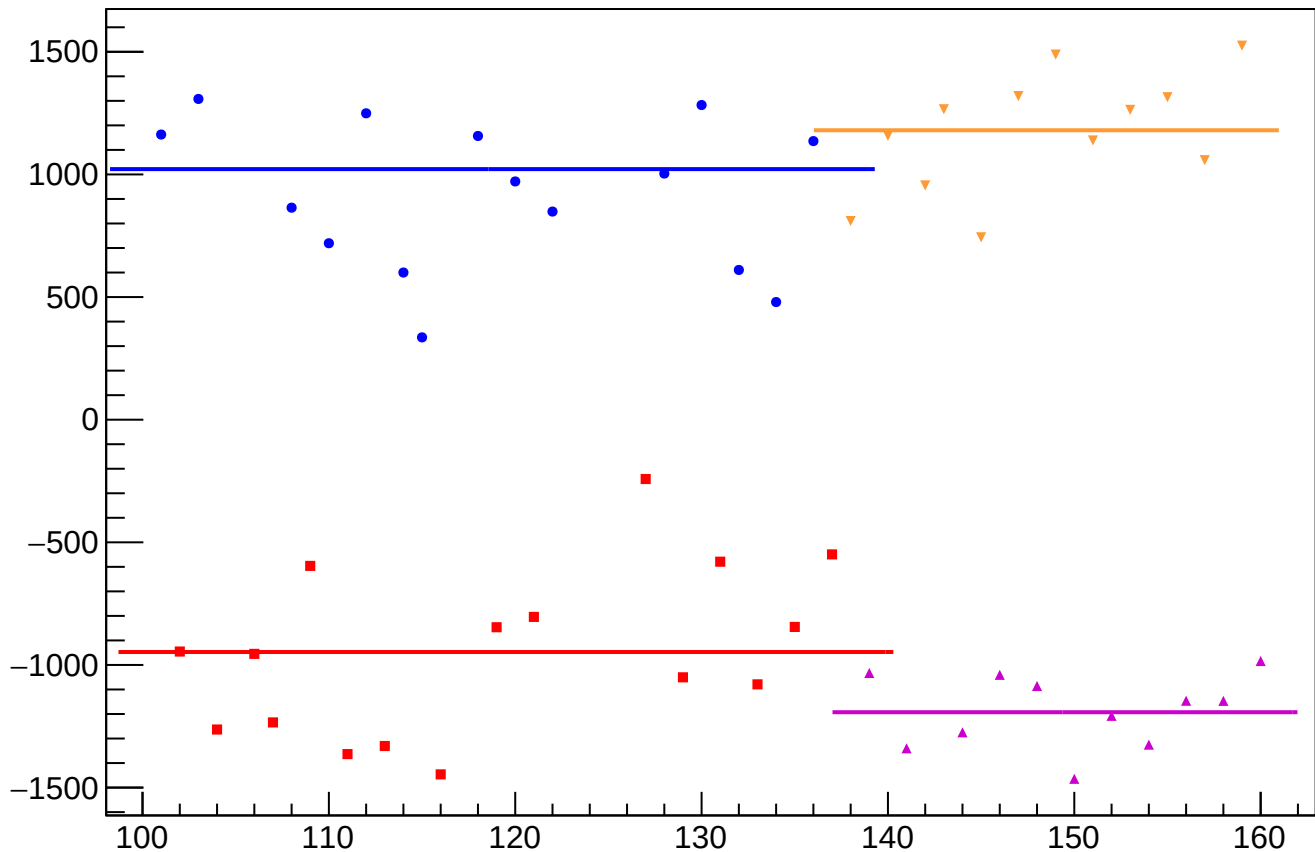
Left: -909.343+/-0.000 χ^2/NDF : 334047502497759
 Right In: 4145.268+/-0.000 χ^2/NDF : 763693998395064689637972381933507648159744.0/14
 Right: -3504.625+/-0.000 χ^2/NDF : 1712578788282
 Left Out: 11307.773+/-0.000 χ^2/NDF : 36281065862244259787300982388178548686848.0/11
 In: -5922.694+/-0.000 χ^2/NDF : 902084767732052
 Right Out: -10948.073+/-0.000 χ^2/NDF : 873949668510327201514601463115396191092736.0/15
 Out: 1918.368+/-0.000 χ^2/NDF : 110122853896245
 Left In: -12994.239+/-0.000 χ^2/NDF : 26399397473209063315648711040224276250624.0/10
 All: -1992.219+/-0.000 χ^2/NDF : 2051791747

dit_atl1_coil7_err_mean vs Slug, Sign Corrected



Right In: 1062.141+/-0.000 χ^2/NDF : 952806231926530012715872184655778152448.0/14
 Left Out: 567.733+/-0.000 χ^2/NDF : 17522884747687495168010192179255312384.0/11
 Right Out: -1887.077+/-0.000 χ^2/NDF : 5525872718363845620366029387569058283520.0/15
 Left In: -582.413+/-0.000 χ^2/NDF : 118601444625381813814678965729624064.0/10
 All: -186.618+/-0.000 χ^2/NDF : 10113638171

dit_atl1_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1180.103+/-0.000

χ^2/NDF : 50788606804690292724539730503787347968.0/11

Right Out: -947.145+/-0.000

χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687+/-0.000

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

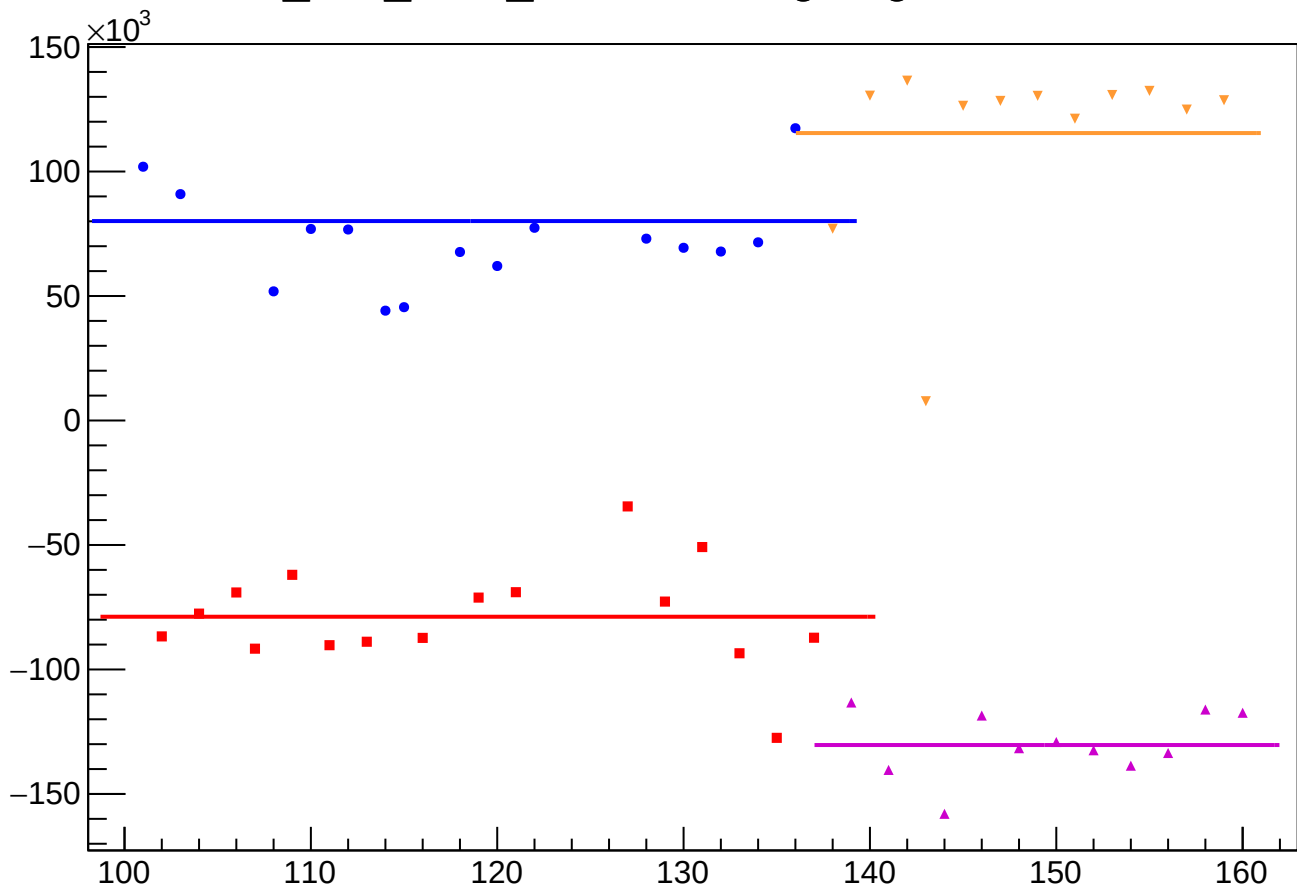
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_atl2_coil7_mean vs Slug, Sign Corrected



Right In: 80102.504+/-0.000

χ^2/NDF : 254521784097258654723607522631742465769472.0/14

Left Out: 115448.893+/-0.000

χ^2/NDF : 1038801657464811255416211206986838896017408.0/11

Right Out: -78815.832+/-0.000

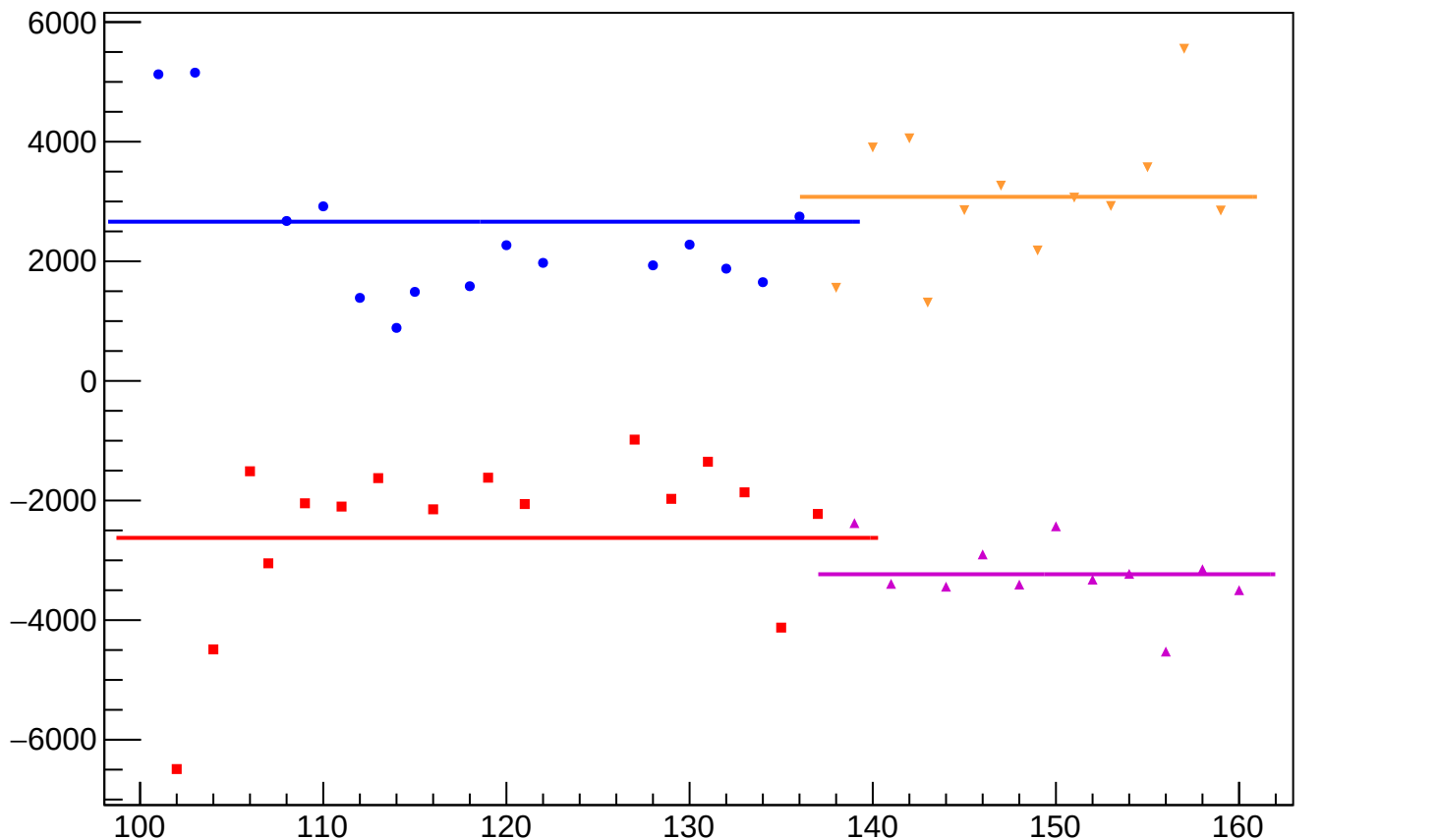
χ^2/NDF : 286076919217811099434470442231998185472000.0/15

Left In: -130346.244+/-0.000

χ^2/NDF : 148174871015439819820100459279999278514176.0/10

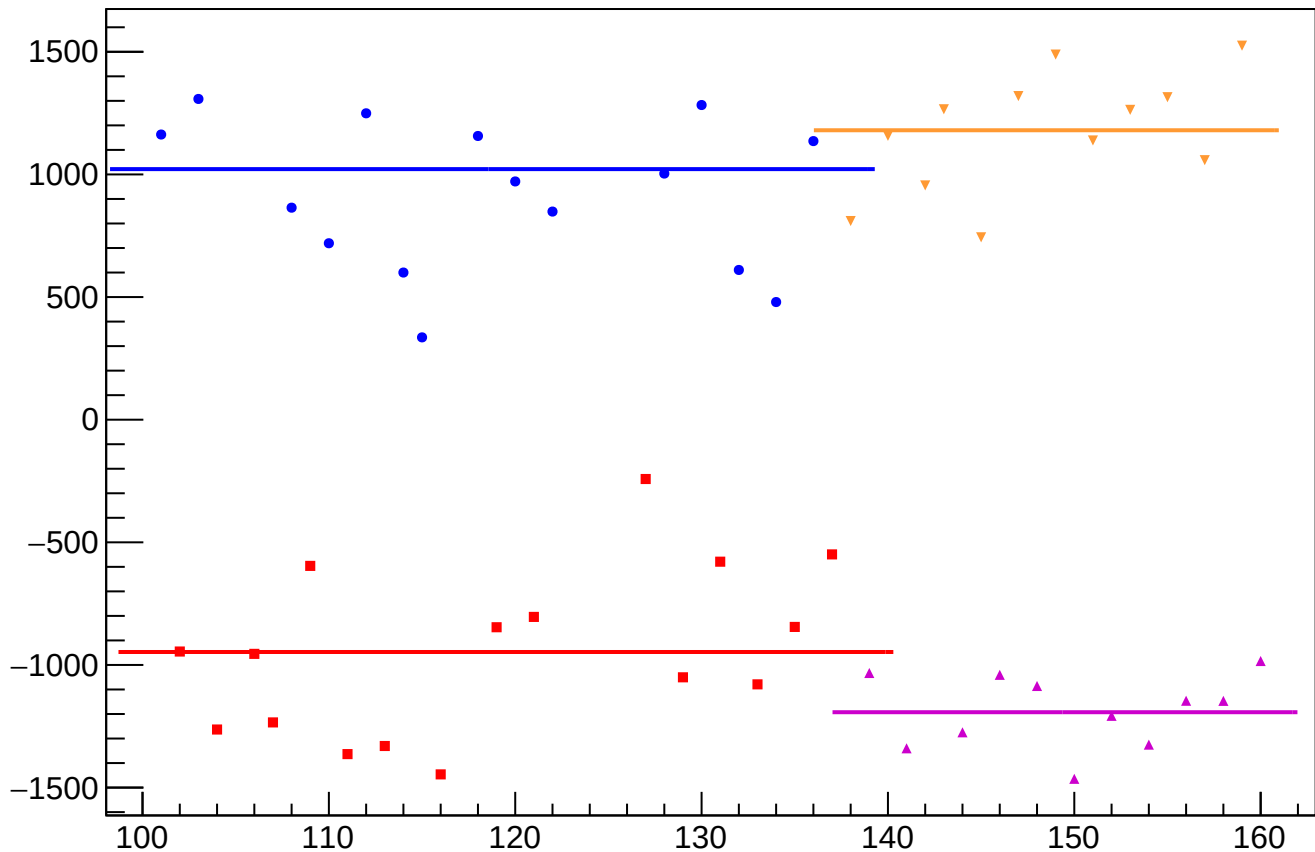
All: -4915.433+/-0.000 χ^2/NDF : 3784007443

dit_atl2_coil7_err_mean vs Slug, Sign Corrected



Right In: 2662.183+/-0.000 χ^2/NDF : 1031389230165640157864439705583367487488.0/14
 Left Out: 3077.945+/-0.000 χ^2/NDF : 1073709891492389198093936322660595138560.0/11
 Right Out: -2624.696+/-0.000 χ^2/NDF : 1566705216866534713590934835660406652928.0/15
 Left In: -3232.879+/-0.000 χ^2/NDF : 275721007613891276741007240283331493888.0/10
 All: -62.414+/-0.000 χ^2/NDF : 314460236947

dit_atl2_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

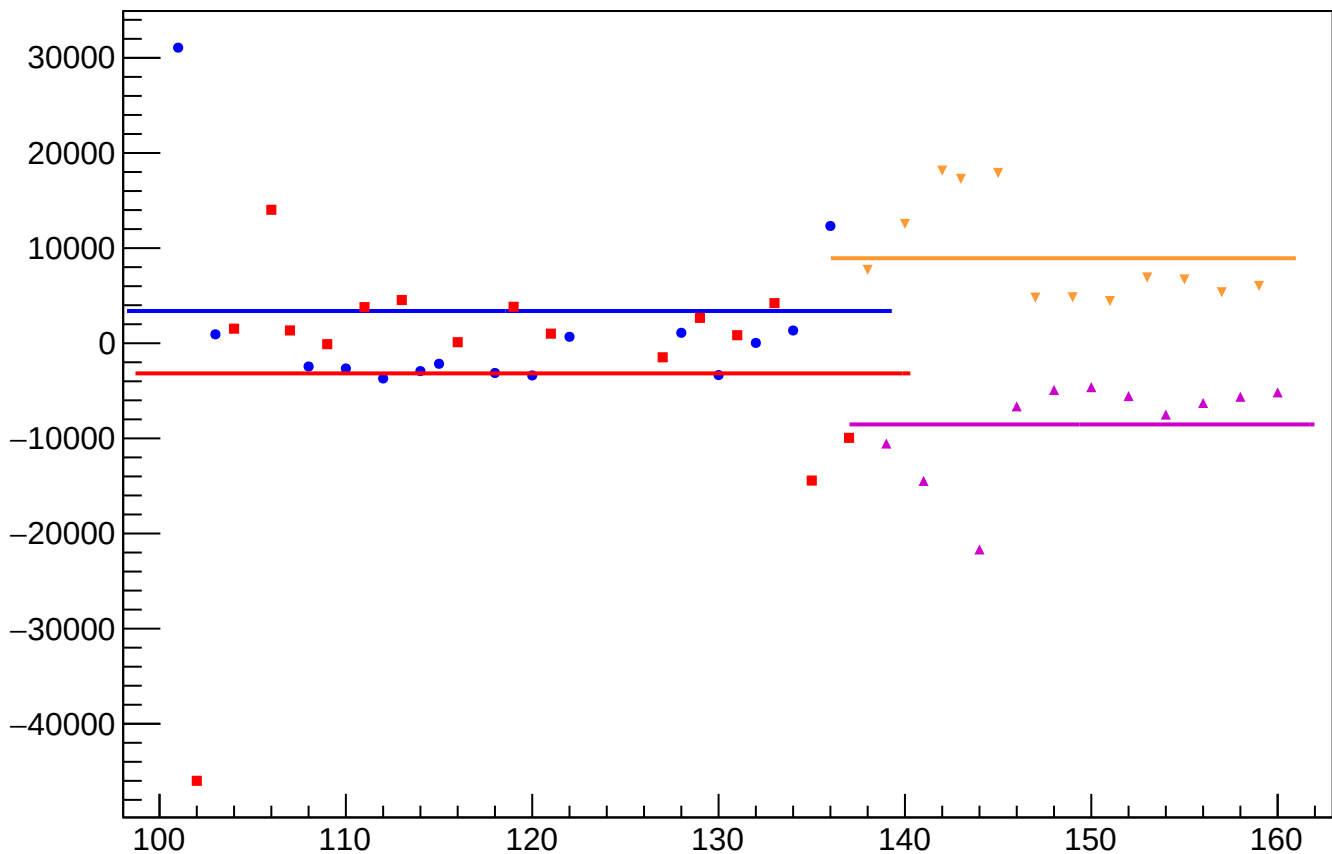
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_atr1_coil7_mean vs Slug, Sign Corrected



Right In: 3390.550+/-0.000

χ^2/NDF : 65871927441553256724179194556280173756416.0/14

Left Out: 8941.712+/-0.000

χ^2/NDF : 22757542723529976862924189628837264359424.0/11

Right Out: -3167.396+/-0.000

χ^2/NDF : 137753886677241144460462531881687568089088.0/15

Left In: -8532.821+/-0.000

χ^2/NDF : 24299515949380224586324737558095226470400.0/10

Left: 156.909+/-0.000 χ^2/NDF : 1873655199537507

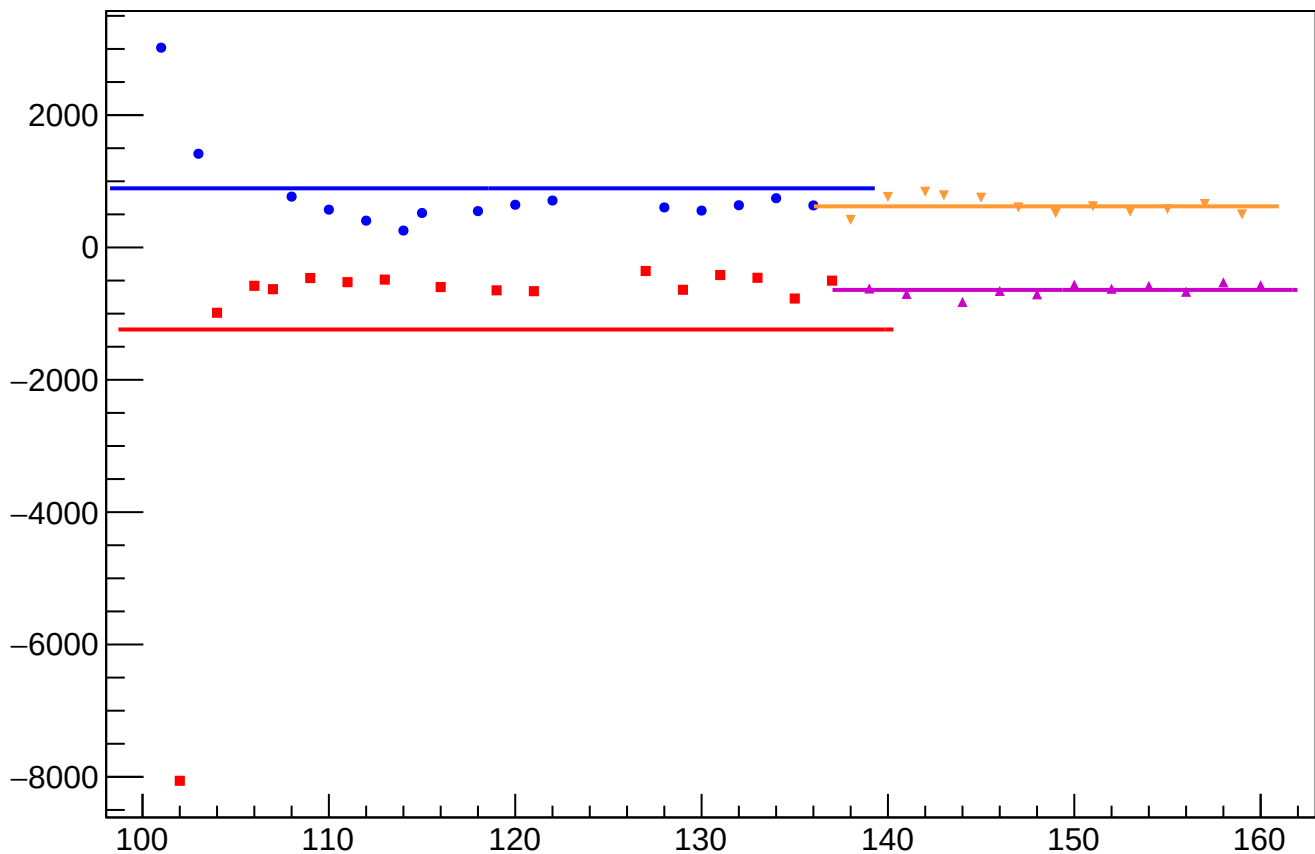
Right: 66.728+/-0.000 χ^2/NDF : 2177723560844725

In: -3613.388+/-0.000 χ^2/NDF : 144369798447171

Out: 3833.063+/-0.000 χ^2/NDF : 217052558141828

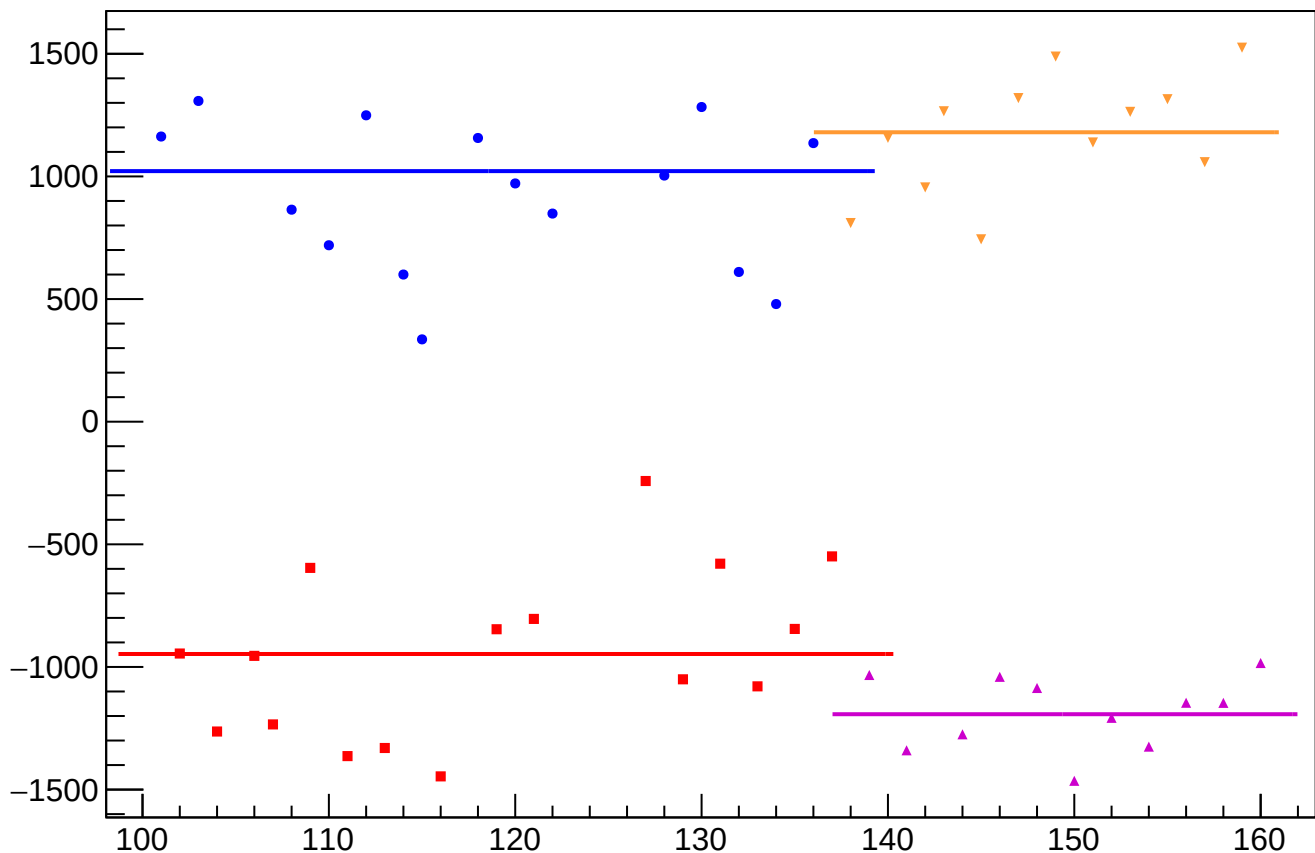
All: 119.281+/-0.000 χ^2/NDF : 405144112898

dit_atr1_coil7_err_mean vs Slug, Sign Corrected



Right In: 893.683 $\pm$ 0.000 χ^2/NDF : 334583619078631008932404228227359309824.0/14
 Left Out: 621.395 $\pm$ 0.000 χ^2/NDF : 13220761349033595391183034930255888384.0/11
 Right Out: -1239.298 $\pm$ 0.000 χ^2/NDF : 2970990859486483990408108918937565003776.0/15
 Left In: -641.490 $\pm$ 0.000 χ^2/NDF : 6047241871046466320943152926715543552.0/10
 All: -86.047 $\pm$ 0.000 χ^2/NDF : 557740460848

dit_atr1_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 $\pm$ 0.000

Left Out: 1180.103 $\pm$ 0.000

Right Out: -947.145 $\pm$ 0.000

Left In: -1192.687 $\pm$ 0.000

χ^2 /NDF: 40493101470870278397836276403592495104.0/14

χ^2 /NDF: 50788606804690292724539730503787347968.0/11

χ^2 /NDF: 67784656011936521511169668028018196480.0/15

χ^2 /NDF: 19255287383728205662654022867381911552.0/10

Left: -12.747 $\pm$ 0.000 χ^2 /NDF: 2657013306605046

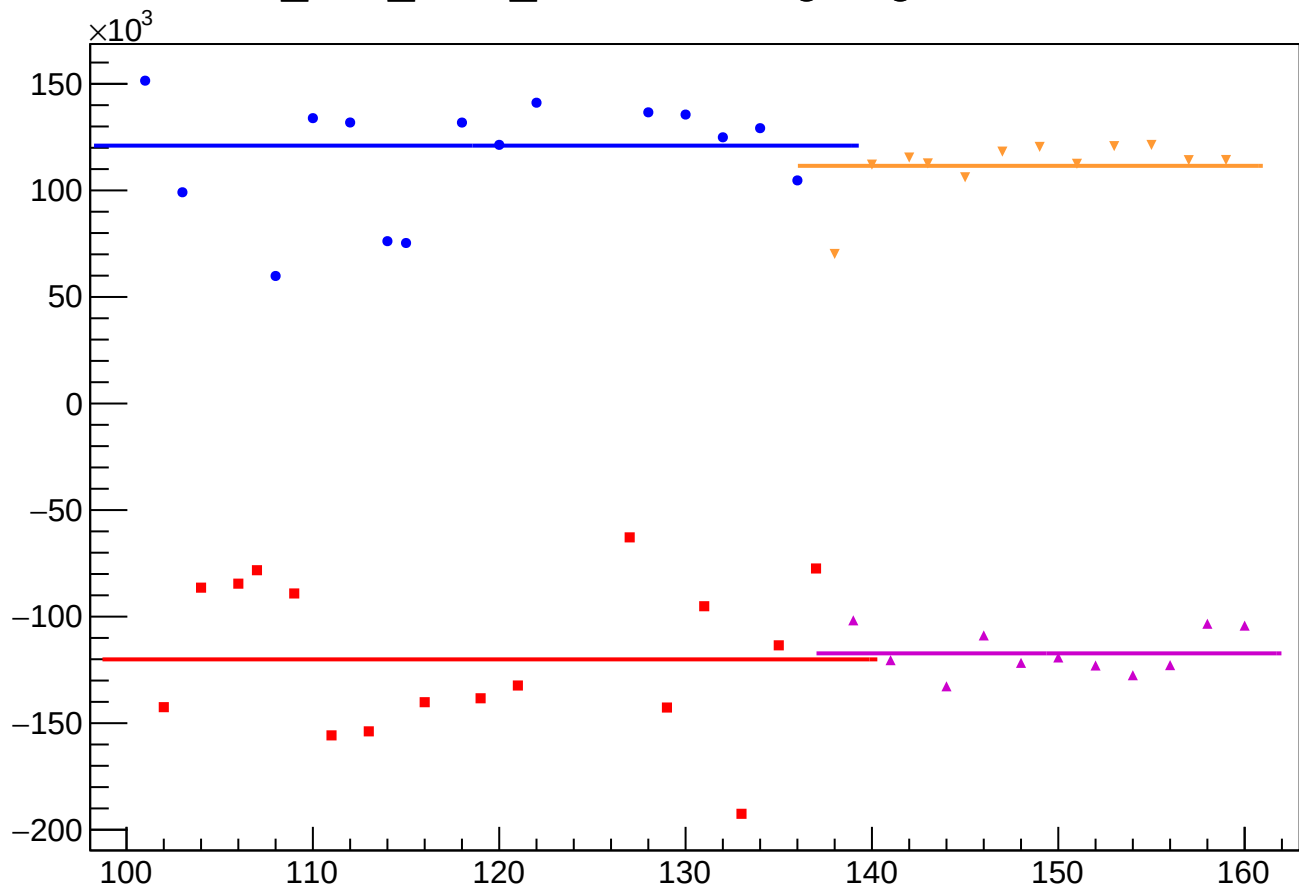
Right: 23.805 $\pm$ 0.000 χ^2 /NDF: 1383338523153511

In: -279.065 $\pm$ 0.000 χ^2 /NDF: 1929090788254319

Out: 282.649 $\pm$ 0.000 χ^2 /NDF: 1863497273761245

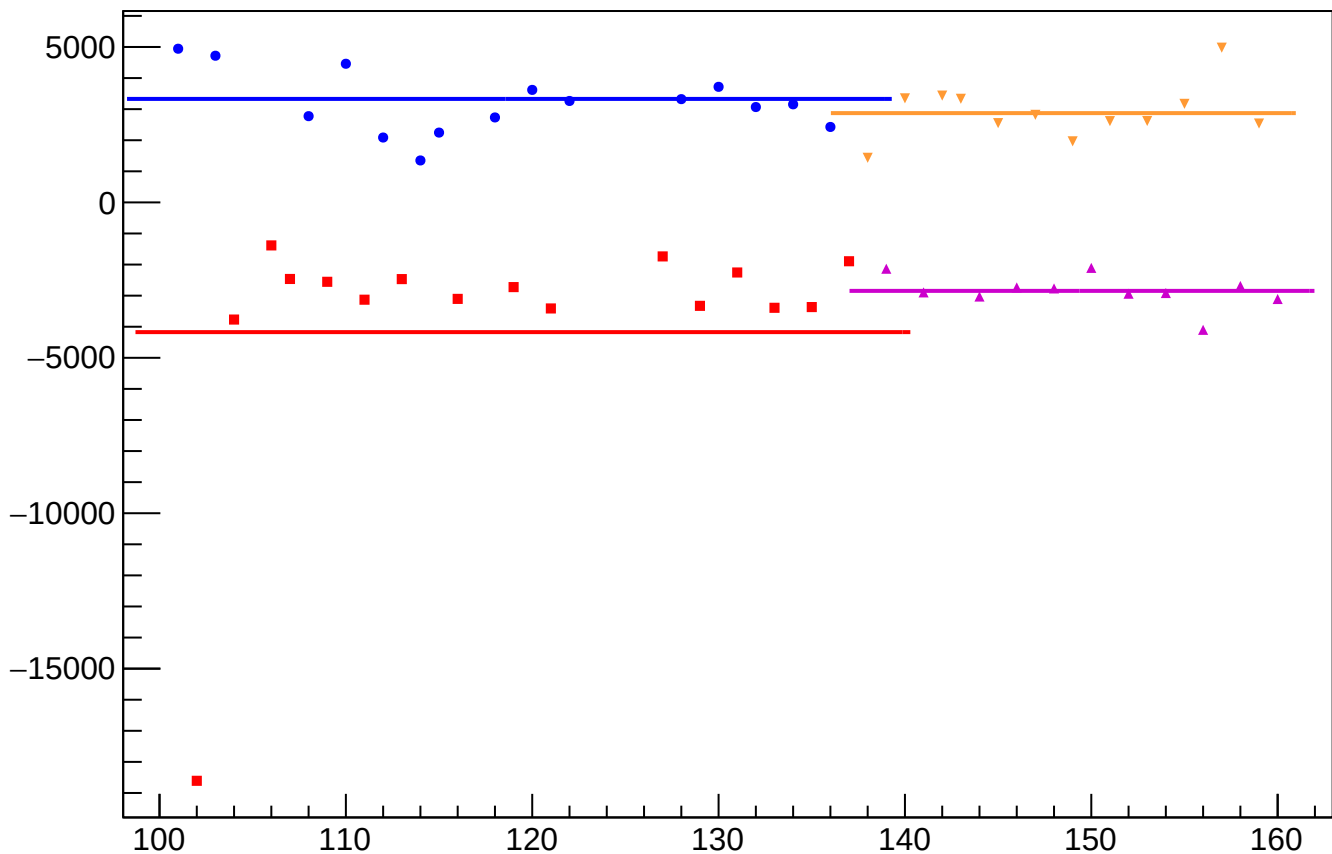
All: 2.504 $\pm$ 0.000 χ^2 /NDF: 40413764320356

dit_atr2_coil7_mean vs Slug, Sign Corrected



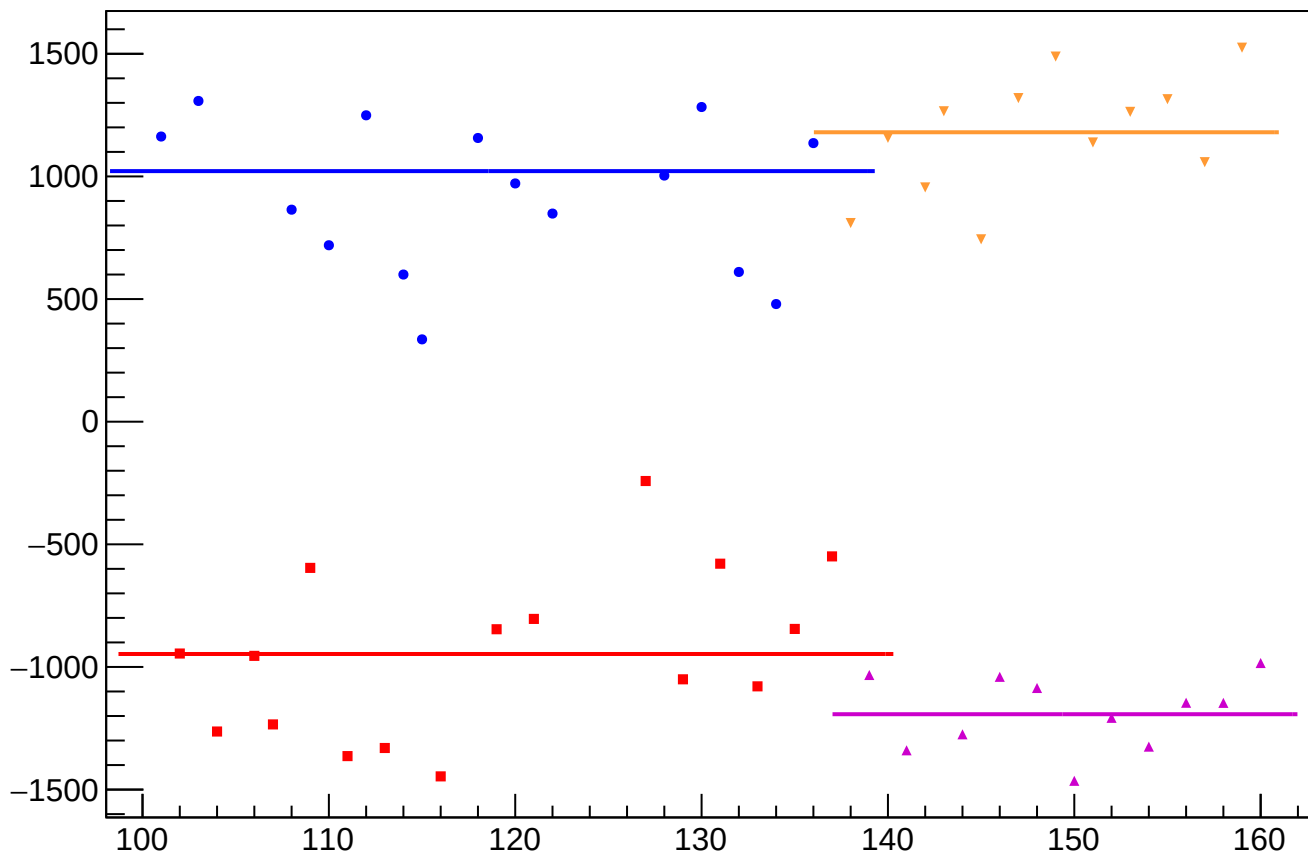
Right In: 121016.482 $\pm$ 0.000 χ^2 /NDF: 358713856404303554987784975983609668173824.0/14
 Left Out: 111531.681 $\pm$ 0.000 χ^2 /NDF: 162724299829921950370834246417372913074176.0/11
 Right Out: -120060.693 $\pm$ 0.000 χ^2 /NDF: 828419782346707601448620310014135952736256.0/15
 Left In: -117237.465 $\pm$ 0.000 χ^2 /NDF: 92299527706158063096544434206678792011776.0/10
 All: -2513.712 $\pm$ 0.000 χ^2 /NDF: 4461091057

dit_atr2_coil7_err_mean vs Slug, Sign Corrected



Left: -2.554 ± 0.000 $\chi^2/\text{NDF}: 15921502408931202$
 Right In: 3329.488 ± 0.000 $\chi^2/\text{NDF}: 567034774398456376227526824513721335808.0/14$
 Right: -473.285 ± 0.000 $\chi^2/\text{NDF}: 32582486462967$
 Left Out: 2872.567 ± 0.000 $\chi^2/\text{NDF}: 662883582778902790585902196636778496000.0/11$
 In: 298.400 ± 0.000 $\chi^2/\text{NDF}: 1533808541348253$
 Right Out: -4173.434 ± 0.000 $\chi^2/\text{NDF}: 13498246551537992400095003154682468106240.0/15$
 Out: -100.034 ± 0.000 $\chi^2/\text{NDF}: 333048130531602$
 Left In: -2846.559 ± 0.000 $\chi^2/\text{NDF}: 229557109736682123603885764134616170496.0/10$
 All: -198.965 ± 0.000 $\chi^2/\text{NDF}: 48673924762$

dit_atr2_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

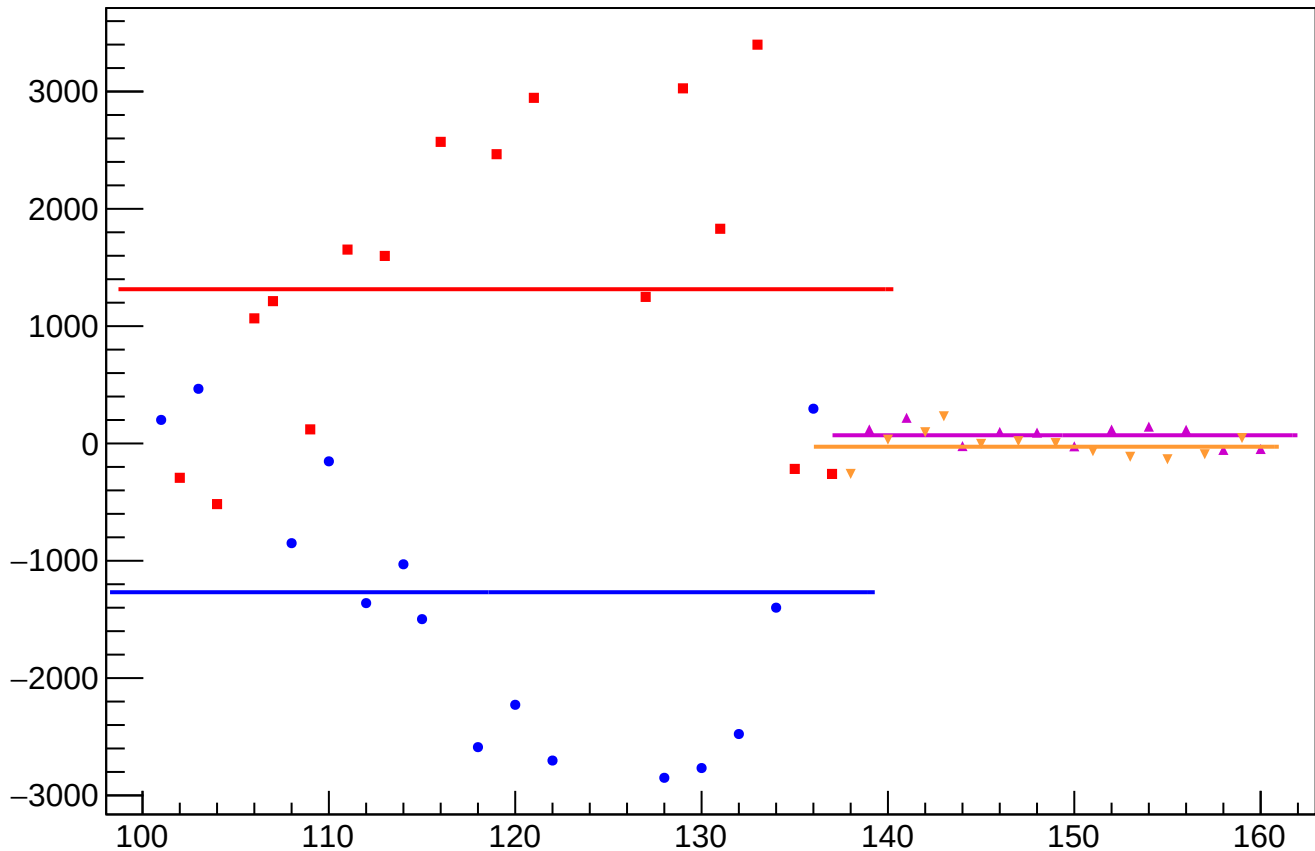
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_sam1_coil7_mean vs Slug, Sign Corrected



Right In: -1268.061 $\pm$ 0.000 χ^2 /NDF: 1092280760288833856070470490800647045120.0/14

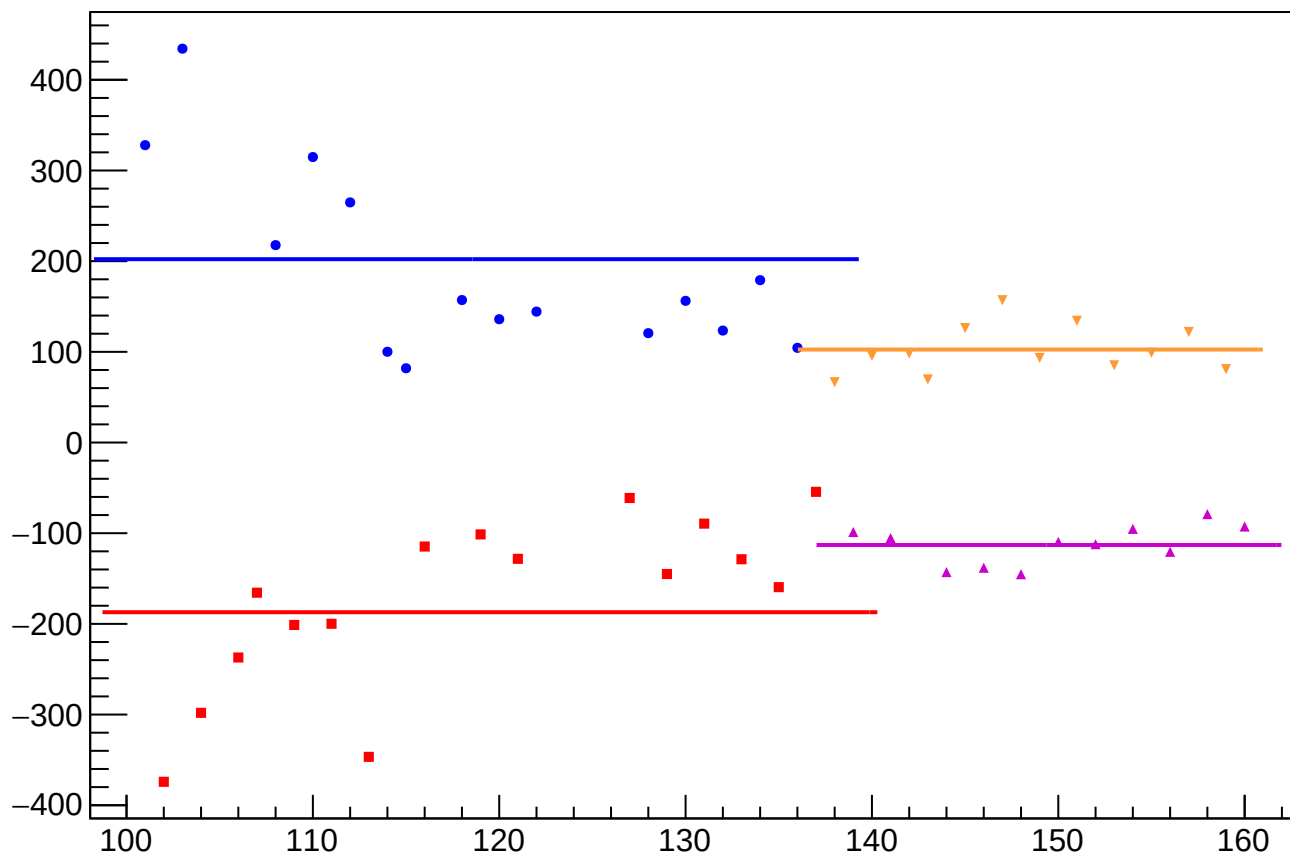
Left Out: -27.745 $\pm$ 0.000 χ^2 /NDF: 12401866293776389782406733193877127168.0/11

Right Out: 1314.767 $\pm$ 0.000 χ^2 /NDF: 1098471313864079013714609379653260935168.0/15

Left In: 69.887 $\pm$ 0.000 χ^2 /NDF: 6896729055106095492675290775544659968.0/10

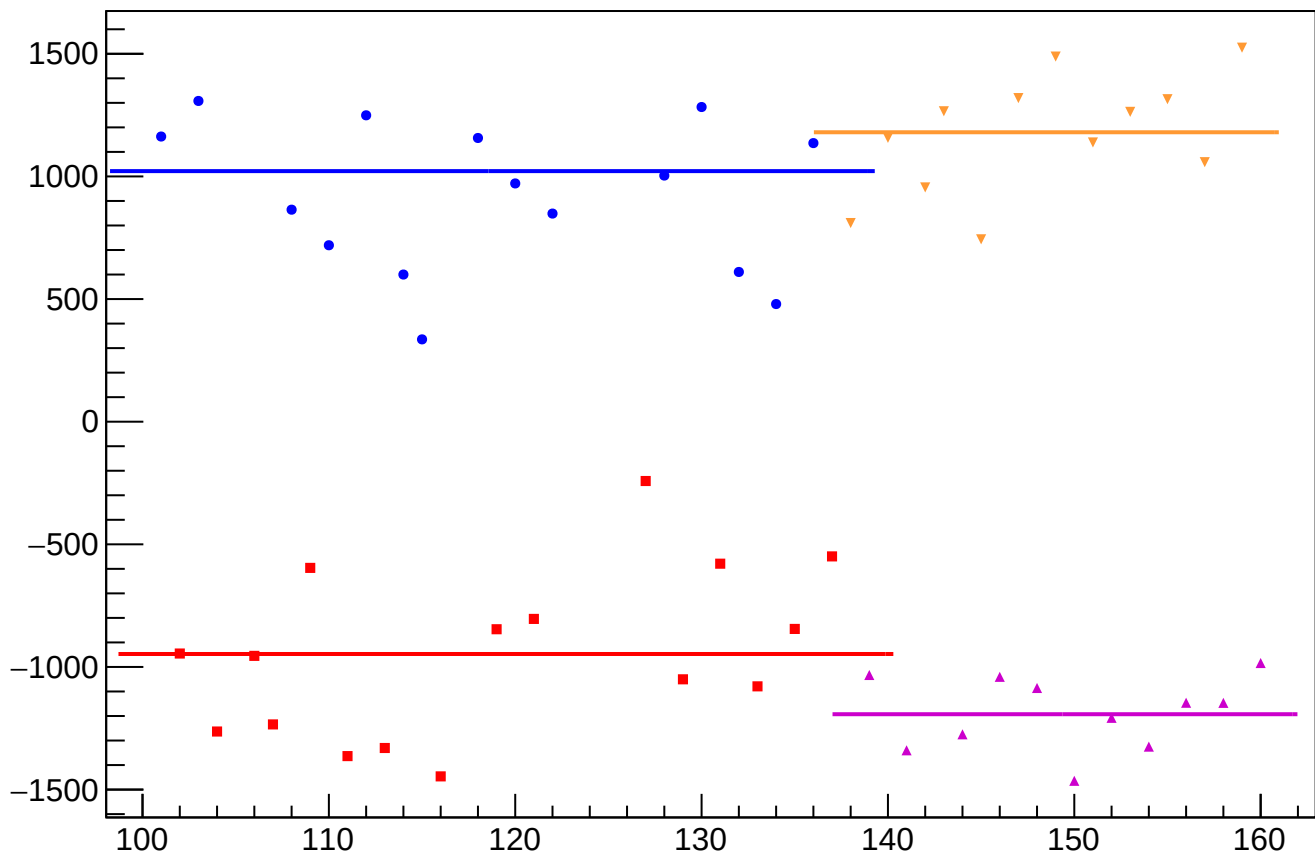
All: 29.548 $\pm$ 0.000 χ^2 /NDF: 4409076158029

dit_sam1_coil7_err_mean vs Slug, Sign Corrected



Right In: 202.191 $\pm$ 0.000 χ^2 /NDF: 7027941052752849066369040650615128064.0/14
 Left Out: 102.547 $\pm$ 0.000 χ^2 /NDF: 631914374783938330949359707000668160.0/11
 Right Out: -187.126 $\pm$ 0.000 χ^2 /NDF: 6230029491605524746936515809941389312.0/15
 Left In: -112.981 $\pm$ 0.000 χ^2 /NDF: 399082569166702797505998561799569408.0/10
 All: -1.350 $\pm$ 0.000 χ^2 /NDF: 8557691672482

dit_sam1_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

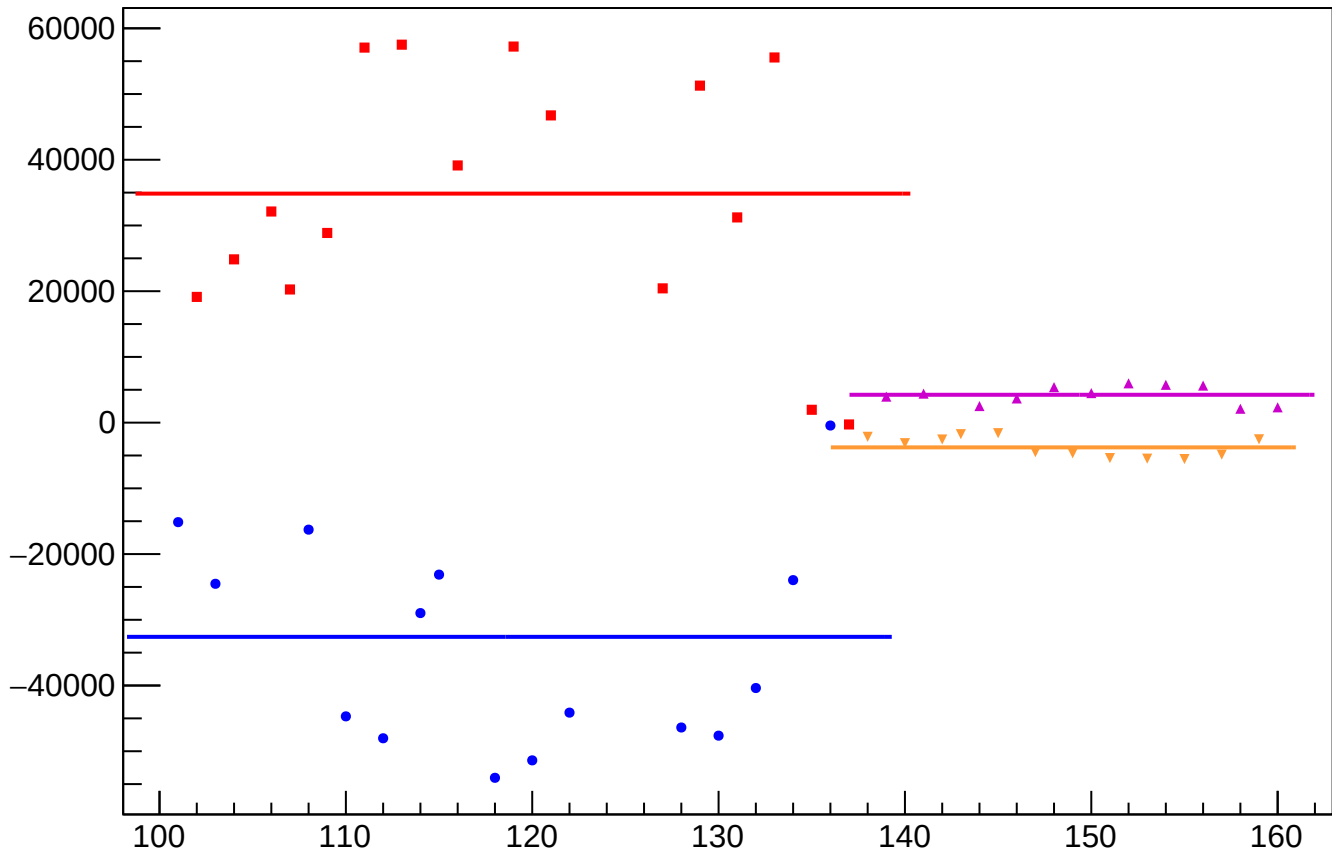
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_sam2_coil7_mean vs Slug, Sign Corrected



Right In: -32594.962 +/- 0.000

χ^2/NDF : 209150369207000564489724529020922520141824.0/14

Left Out: -3764.764 +/- 0.000

χ^2/NDF : 1969097651481267133720686593450373545984.0/11

Right Out: 34848.046 +/- 0.000

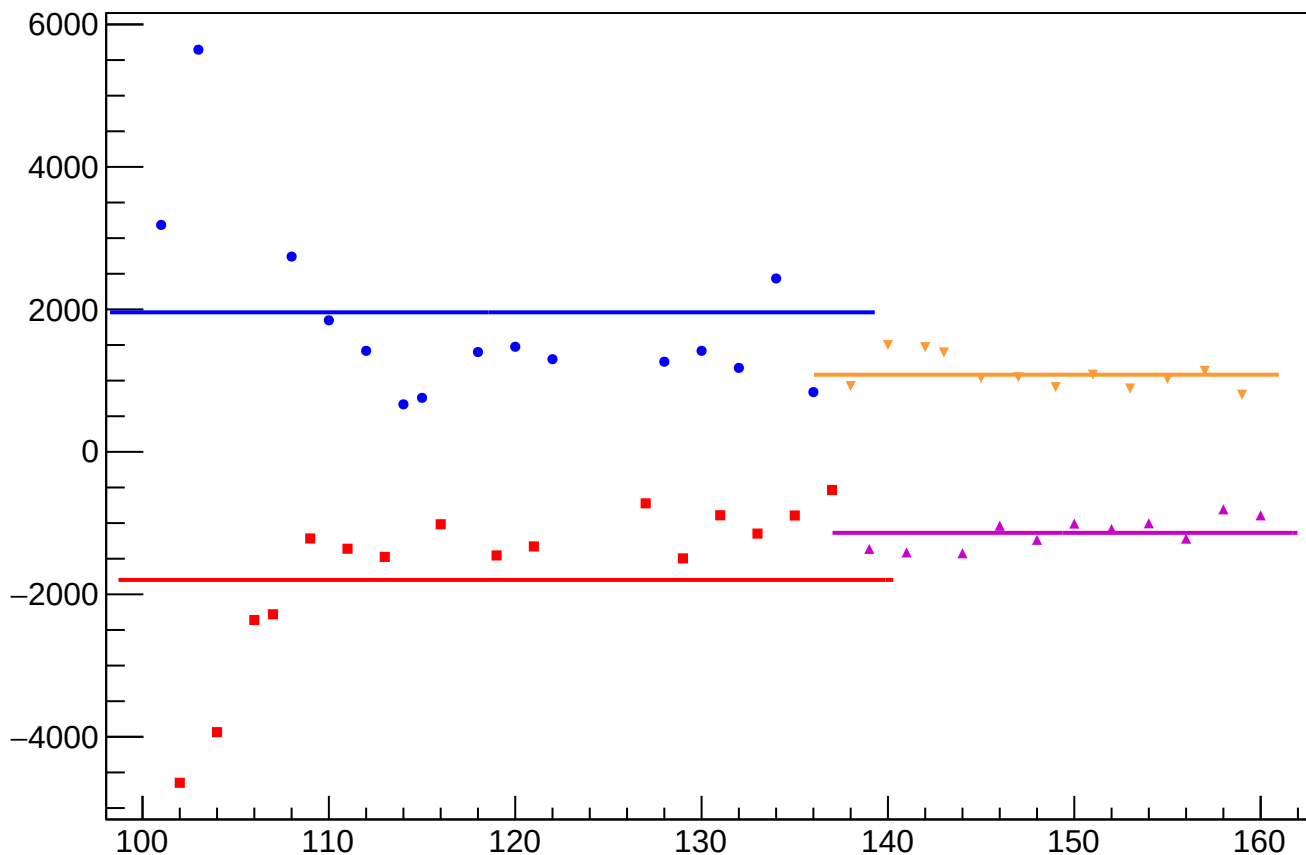
χ^2/NDF : 221127702024811719232559434097324967591936.0/15

Left In: 4238.758 +/- 0.000

χ^2/NDF : 1676258877466067471746283067125033598976.0/10

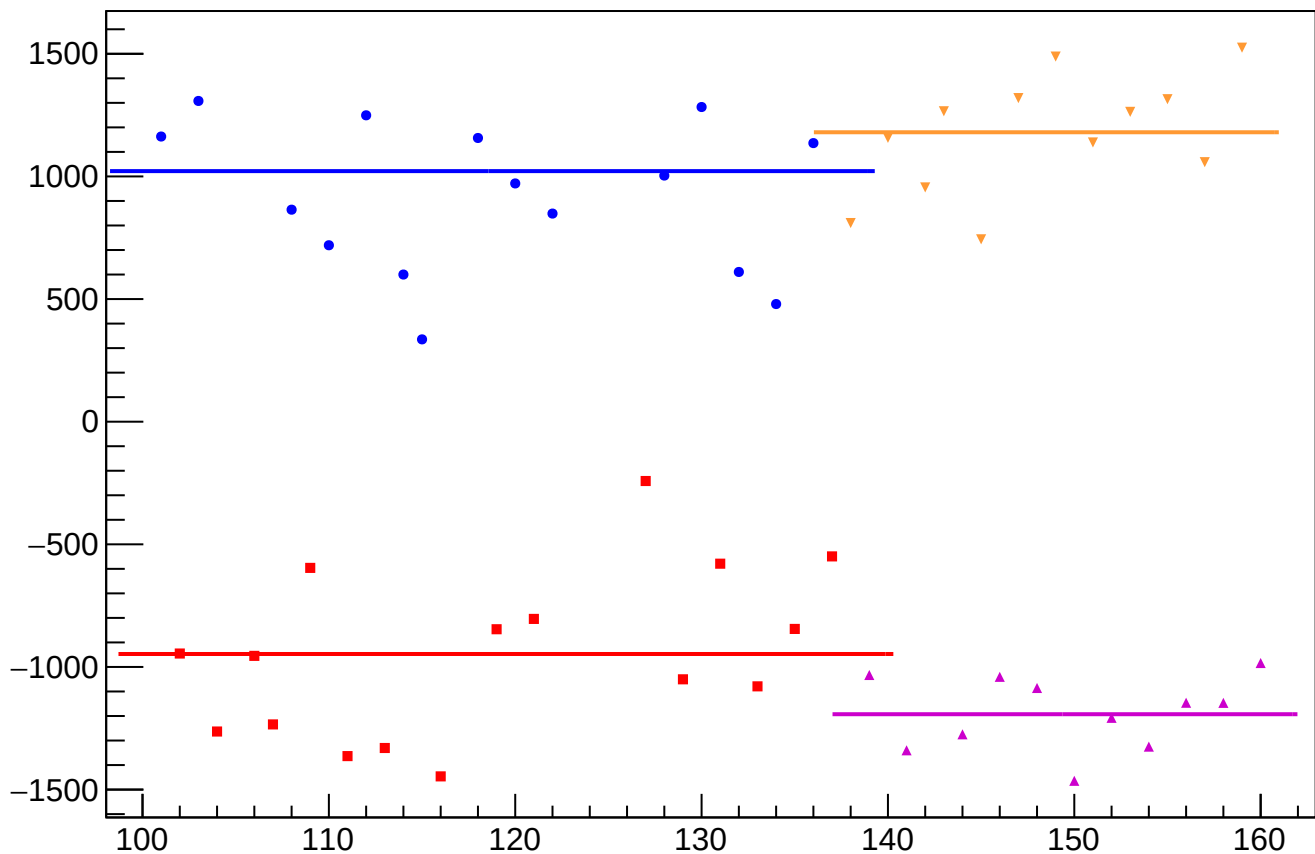
All: 813.296 +/- 0.000 χ^2/NDF : 196090705413

dit_sam2_coil7_err_mean vs Slug, Sign Corrected



Right In: 1958.835+/-0.000 χ^2/NDF : 1189322999631358431600643692981190131712.0/14
 Left Out: 1082.769+/-0.000 χ^2/NDF : 42435467592938018504955570075058831360.0/11
 Right Out: -1797.392+/-0.000 χ^2/NDF : 955096623879958195657195074614240215040.0/15
 Left In: -1136.738+/-0.000 χ^2/NDF : 36660640388160233770492299797174681600.0/10
 All: 3.718+/-0.000 χ^2/NDF : 91340604590309

dit_sam2_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

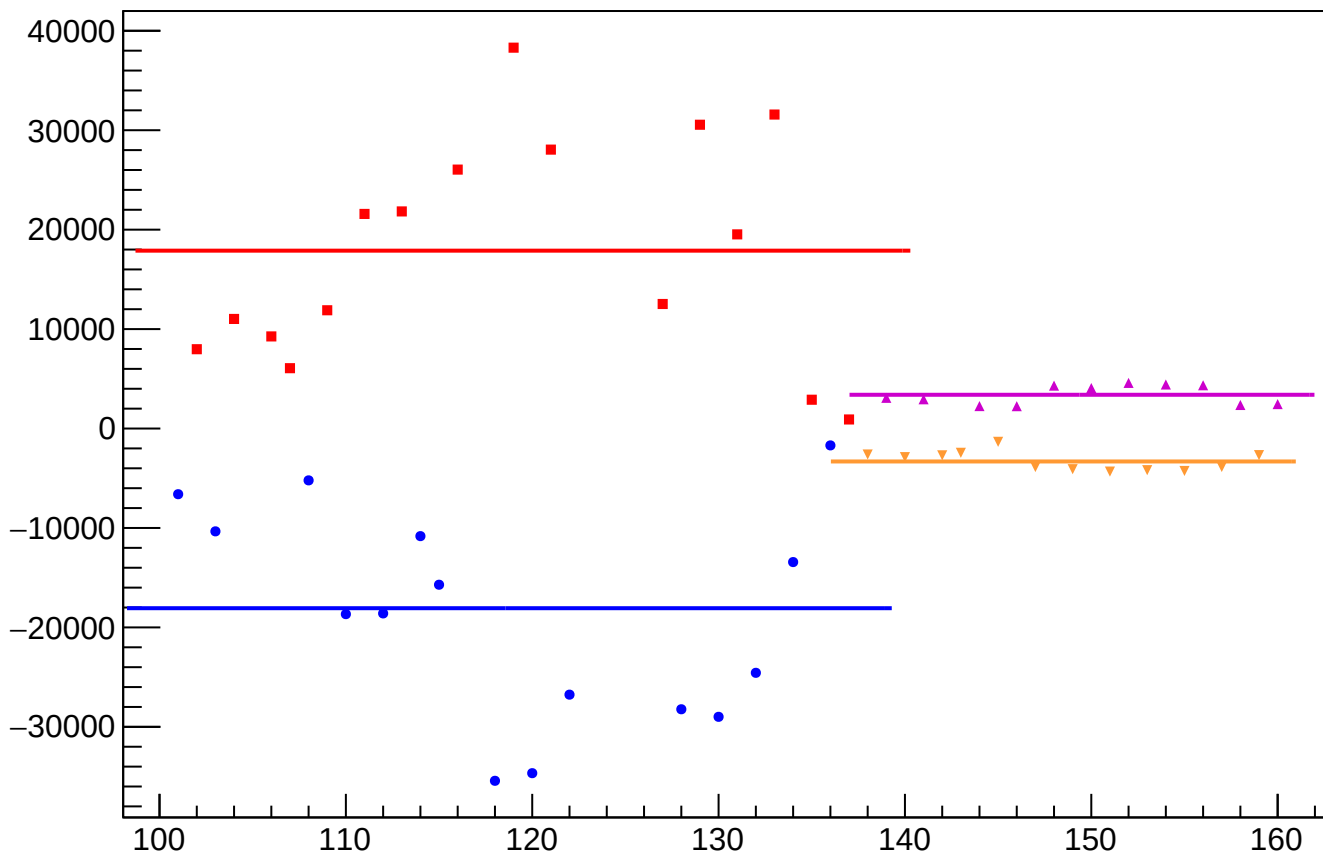
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

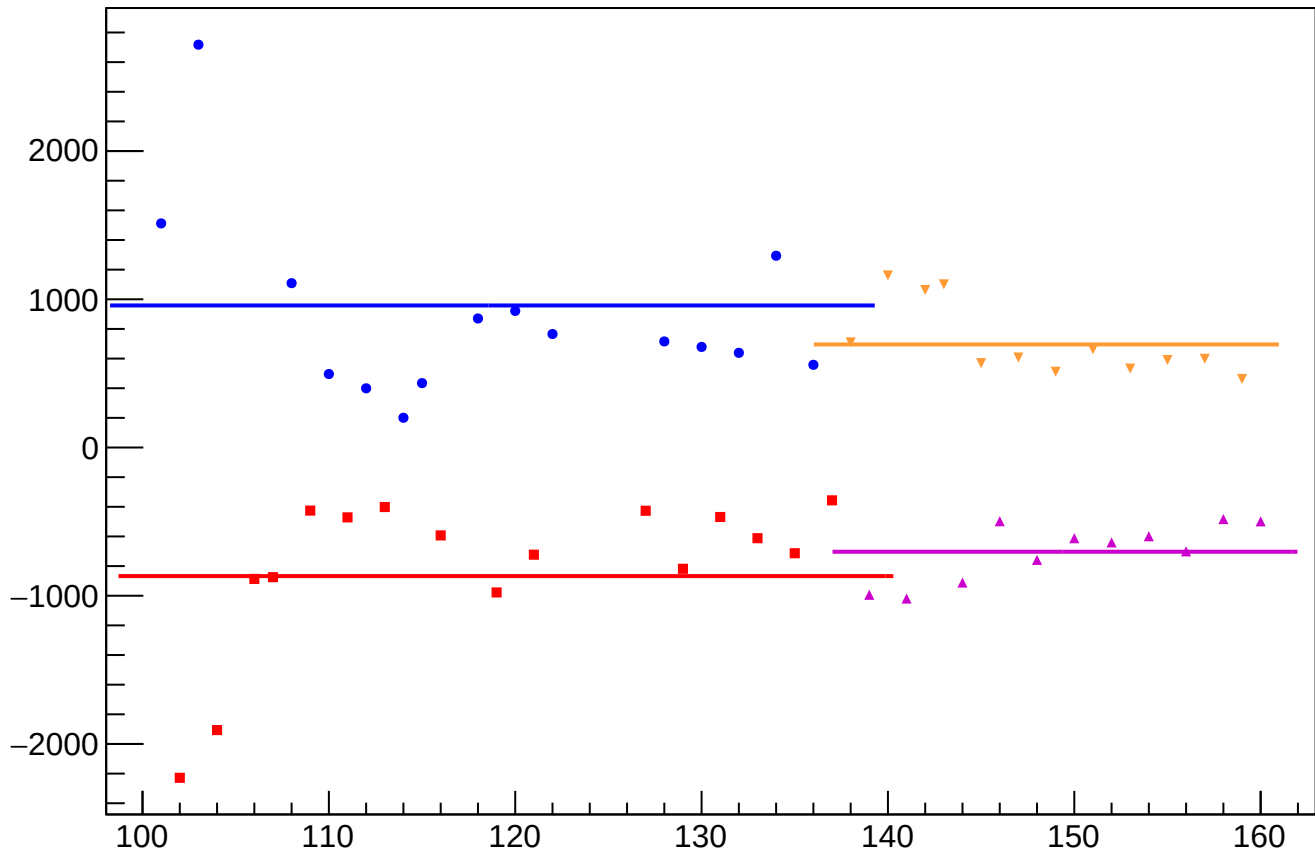
All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_sam3_coil7_mean vs Slug, Sign Corrected



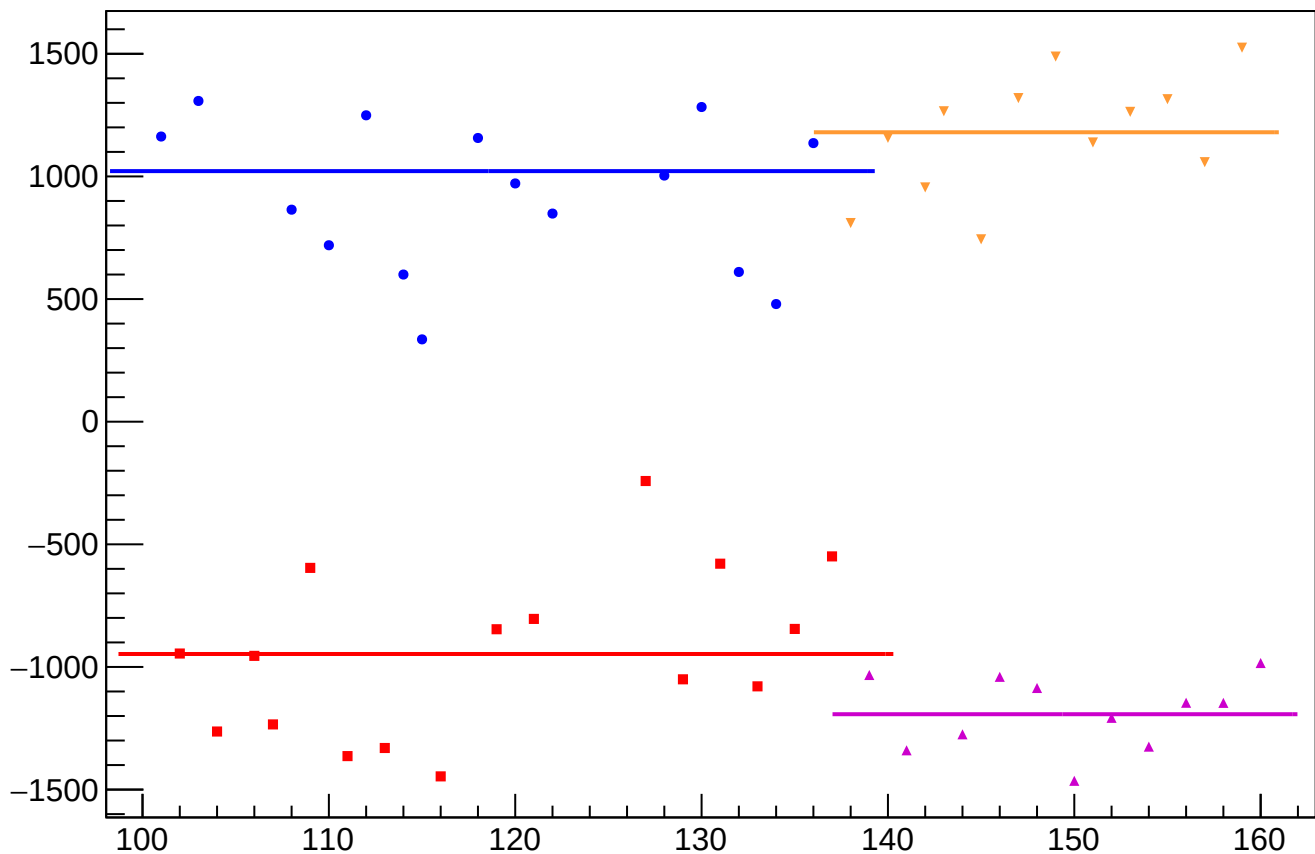
Left: 59.413+/-0.000 χ^2/NDF : 2224729910575058
 Right In: -18068.550+/-0.000 χ^2/NDF : 84312156443533553417760933497753760169984.0/14
 Right: 155.704+/-0.000 χ^2/NDF : 587997392225656
 Left Out: -3312.000+/-0.000 χ^2/NDF : 776933675153970093414497932746986356736.0/11
 In: -5460.979+/-0.000 χ^2/NDF : 260733217471185
 Right Out: 17888.149+/-0.000 χ^2/NDF : 78405915612914252869875231068795393015808.0/15
 Out: 5632.022+/-0.000 χ^2/NDF : 252490604130367
 Left In: 3394.339+/-0.000 χ^2/NDF : 804969095824057391704293669390893711360.0/10
 All: 99.590+/-0.000 χ^2/NDF : 6102518020061

dit_sam3_coil7_err_mean vs Slug, Sign Corrected



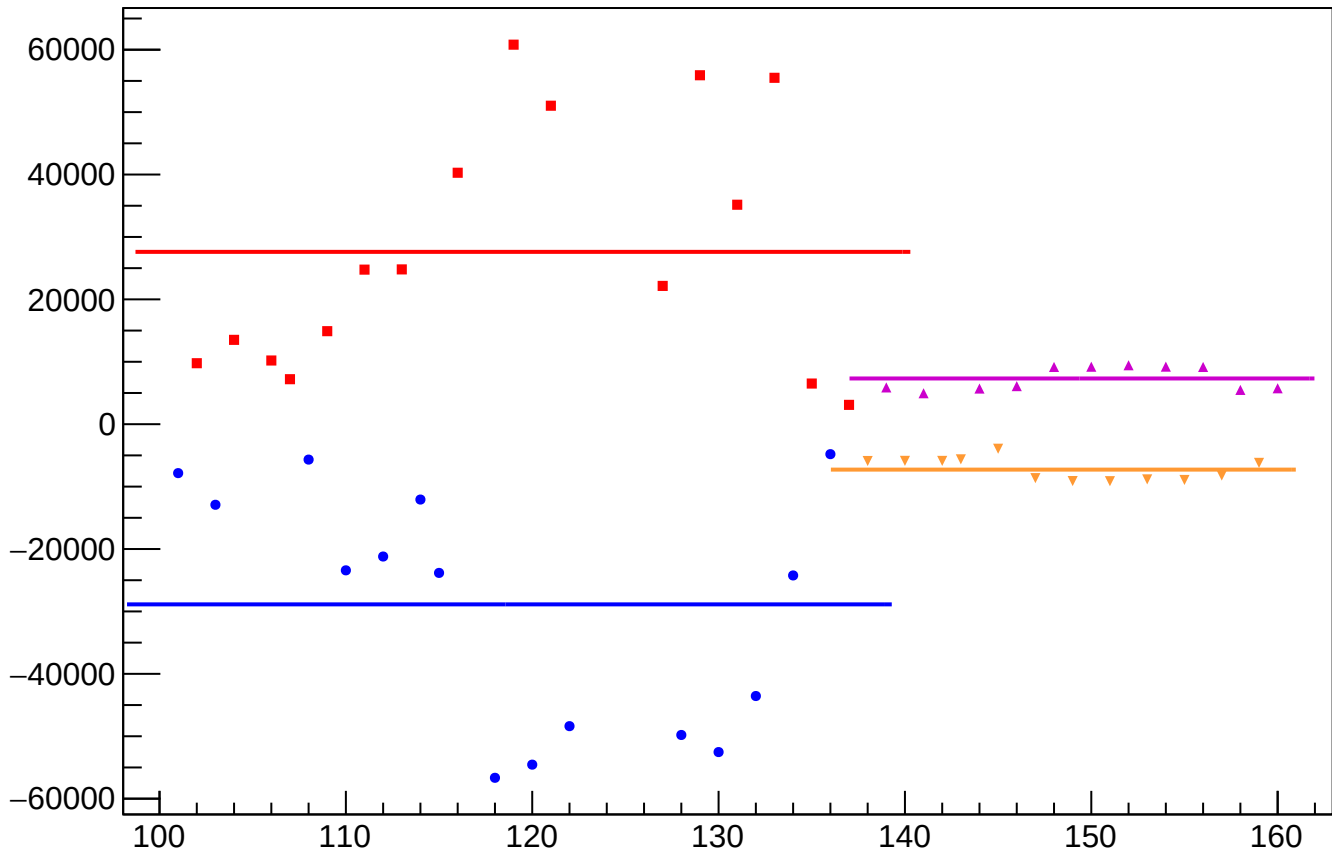
Right In: 958.411+/-0.000 χ^2/NDF : 264733105058522822278137197070739570688.0/14
 Left Out: 695.356+/-0.000 χ^2/NDF : 48004139750379541003610269806183317504.0/11
 Right Out: -867.538+/-0.000 χ^2/NDF : 216129851545166714122252317604488151040.0/15
 Left In: -703.169+/-0.000 χ^2/NDF : 32040531861451426969939944767733366784.0/10
 All: 9.254+/-0.000 χ^2/NDF : 25575818346098

dit_sam3_coil7_Ndata_mean vs Slug, Sign Corrected



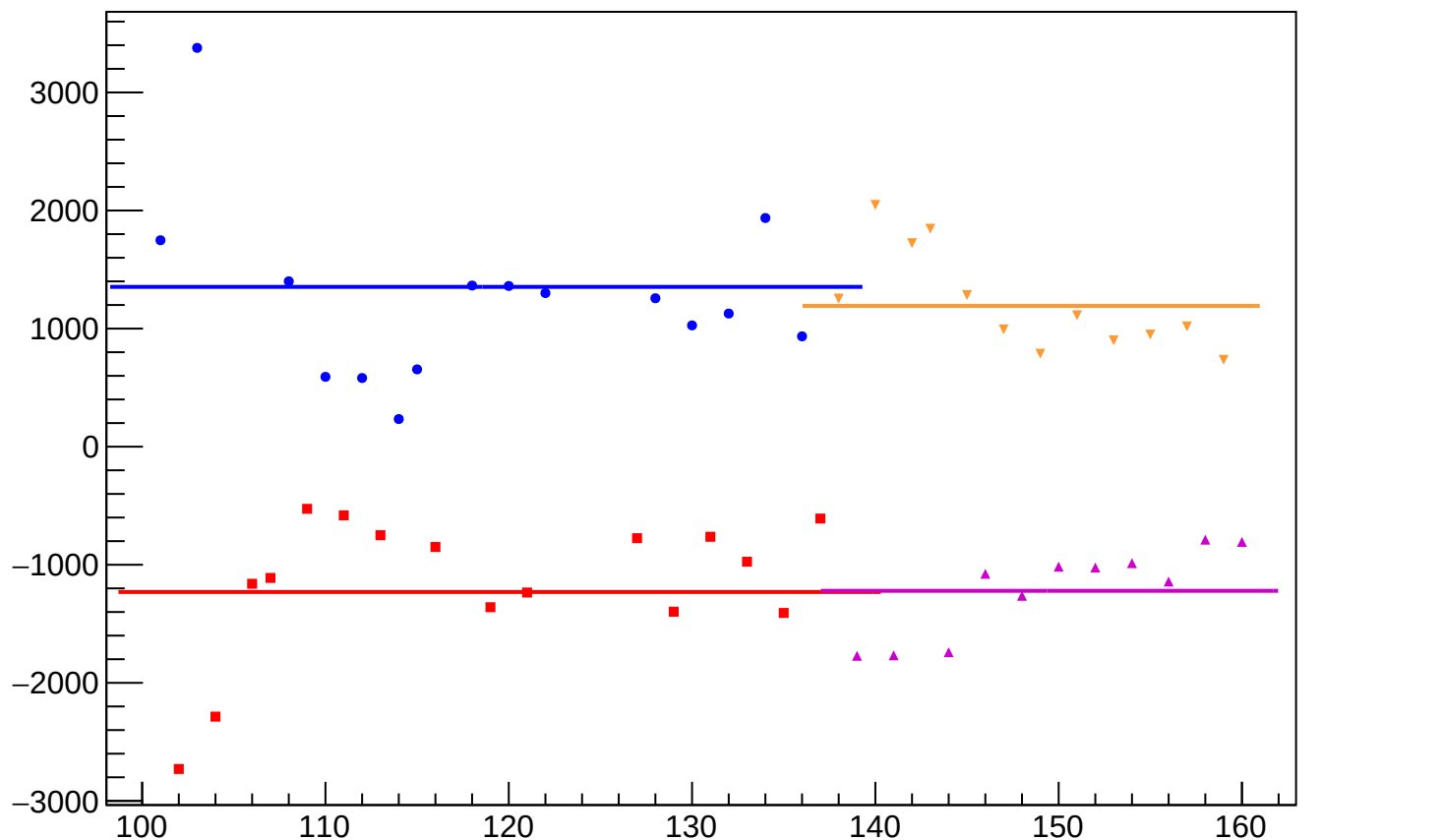
Right In: 1021.684 $\pm$ 0.000 χ^2 /NDF: 40493101470870278397836276403592495104.0/14
 Left Out: 1180.103 $\pm$ 0.000 χ^2 /NDF: 50788606804690292724539730503787347968.0/11
 Right Out: -947.145 $\pm$ 0.000 χ^2 /NDF: 67784656011936521511169668028018196480.0/15
 Left In: -1192.687 $\pm$ 0.000 χ^2 /NDF: 19255287383728205662654022867381911552.0/10
 All: 2.504 $\pm$ 0.000 χ^2 /NDF: 40413764320356

dit_sam4_coil7_mean vs Slug, Sign Corrected



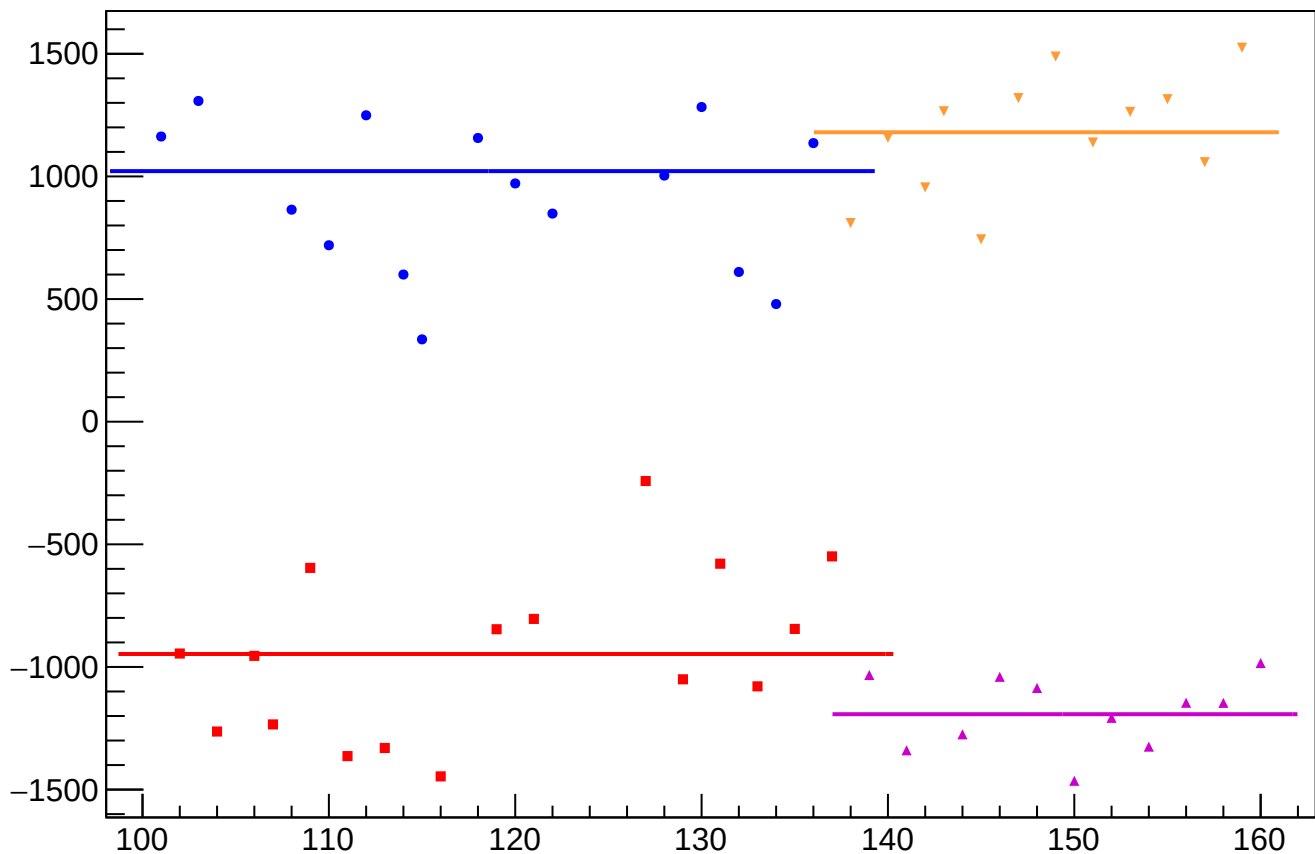
Right In: -28868.624+/-0.000 χ^2/NDF : 261450701095727362961367657926584124309504.0/14
 Left Out: -7277.886+/-0.000 χ^2/NDF : 2738867305918098068317388239234104557568.0/11
 Right Out: 27610.848+/-0.000 χ^2/NDF : 248097983477523504935751571384400118546432.0/15
 Left In: 7325.095+/-0.000 χ^2/NDF : 3045991167952377112422516937599716687872.0/10
 All: -64.332+/-0.000 χ^2/NDF : 166268033579

dit_sam4_coil7_err_mean vs Slug, Sign Corrected



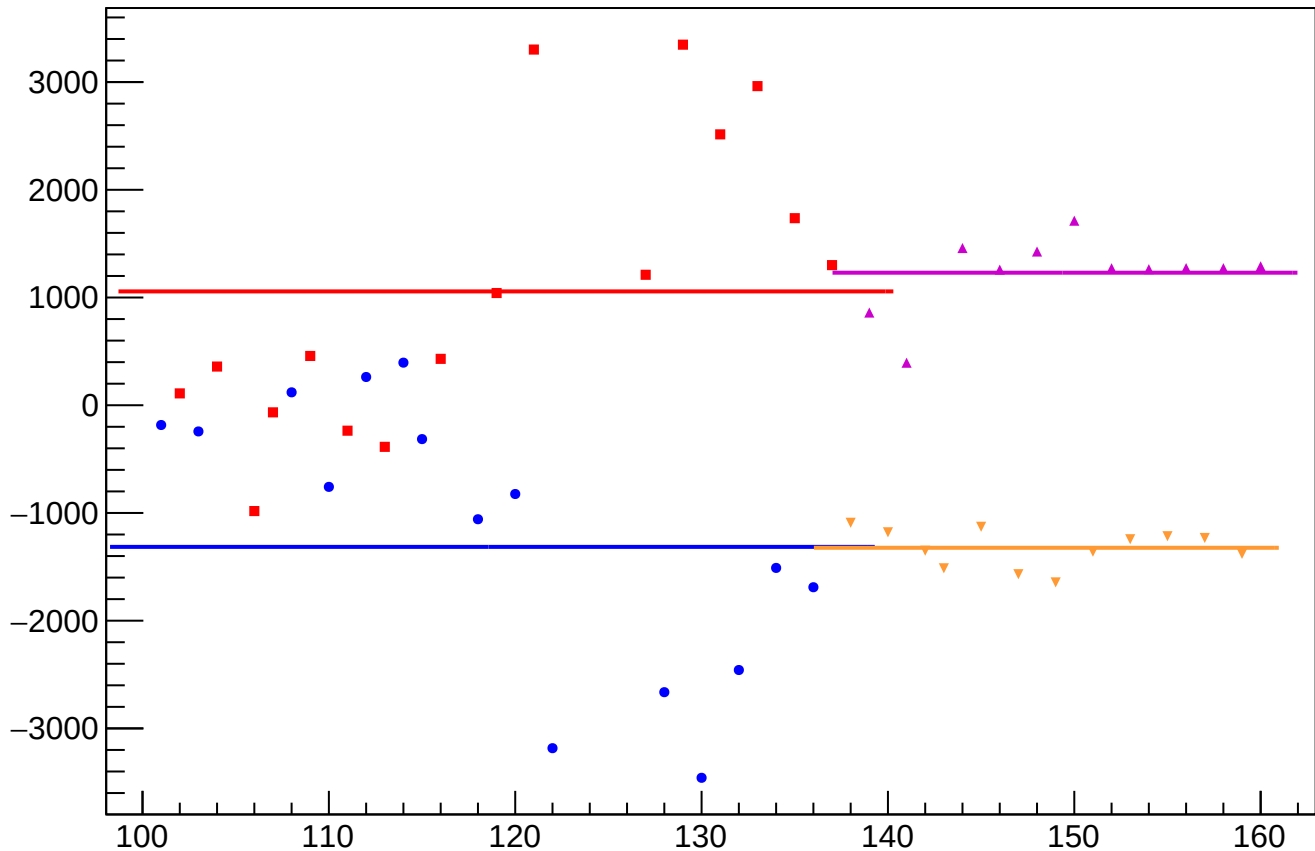
Right In: 1353.413 $\pm$ 0.000 χ^2 /NDF: 352887966702770713373861839880553758720.0/14
 Left Out: 1192.275 $\pm$ 0.000 χ^2 /NDF: 150893742871936420702627399426239365120.0/11
 Right Out: -1230.633 $\pm$ 0.000 χ^2 /NDF: 276989454129150005656872744539903754240.0/15
 Left In: -1220.761 $\pm$ 0.000 χ^2 /NDF: 116296897250486719965341990830940880896.0/10
 All: 6.116 $\pm$ 0.000 χ^2 /NDF: 57721489770329

dit_sam4_coil7_Ndata_mean vs Slug, Sign Corrected



Left: -12.747 +/- 0.000 χ^2/NDF : 2657013306605046
 Right: 23.805 +/- 0.000 χ^2/NDF : 1383338523153511
 In: -279.065 +/- 0.000 χ^2/NDF : 1929090788254319
 Out: 282.649 +/- 0.000 χ^2/NDF : 1863497273761245
 All: 2.504 +/- 0.000 χ^2/NDF : 40413764320356

dit_sam5_coil7_mean vs Slug, Sign Corrected



Right In: -1314.782+/-0.000

Left Out: -1323.142+/-0.000

Right Out: 1056.765+/-0.000

Left In: 1230.430+/-0.000

χ^2/NDF : 966082368518203481544021644405645508608.0/14

χ^2/NDF : 27180584789293911694803613303409999872.0/11

χ^2/NDF : 1127141594187417021949832477353286041600.0/15

χ^2/NDF : 100431691068850056086409132460520505344.0/10

Left: -39.410+/-0.000 χ^2/NDF : 3123799611158754

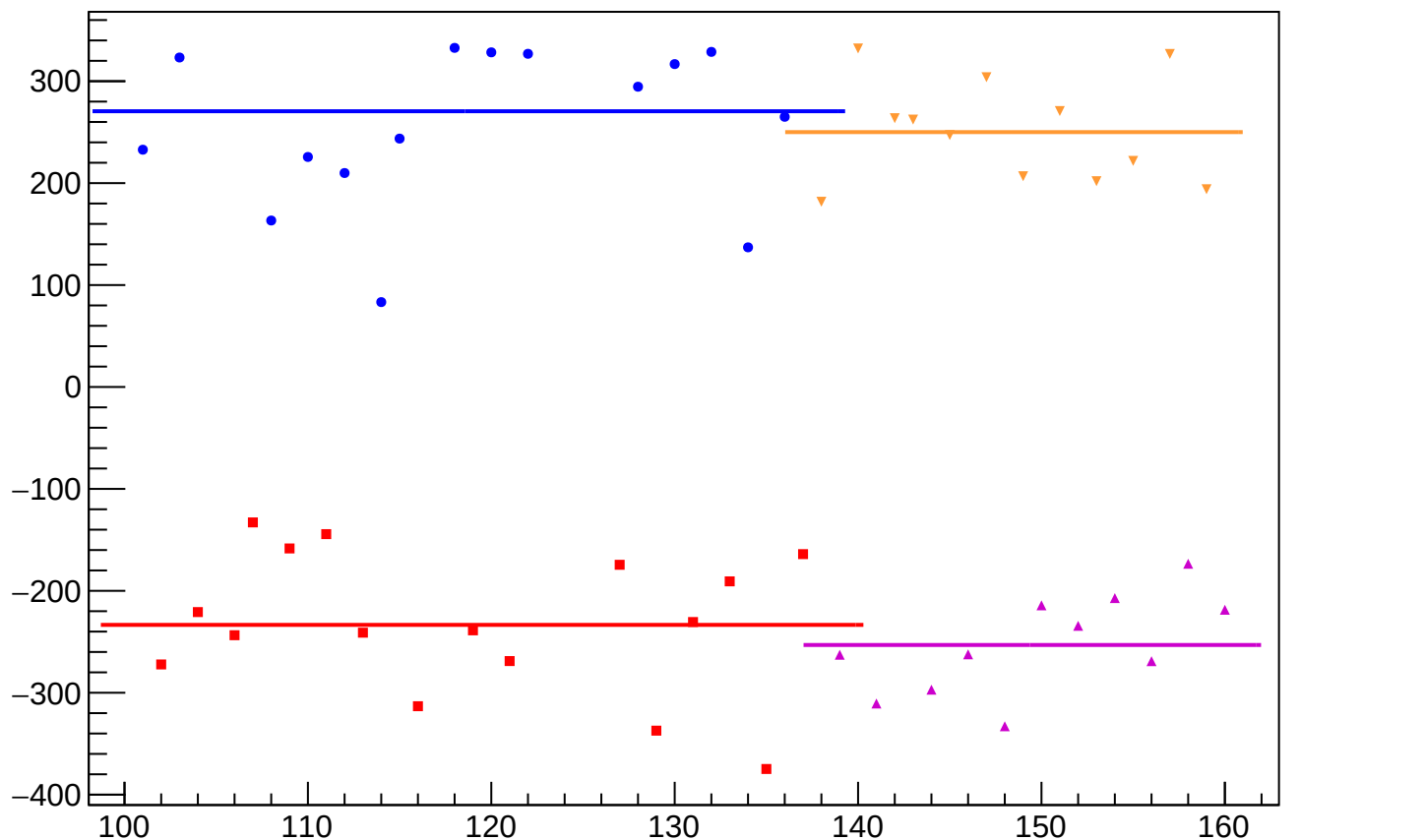
Right: -112.789+/-0.000 χ^2/NDF : 39432514405702

In: 180.308+/-0.000 χ^2/NDF : 35361660763294785

Out: -319.095+/-0.000 χ^2/NDF : 333836126374439

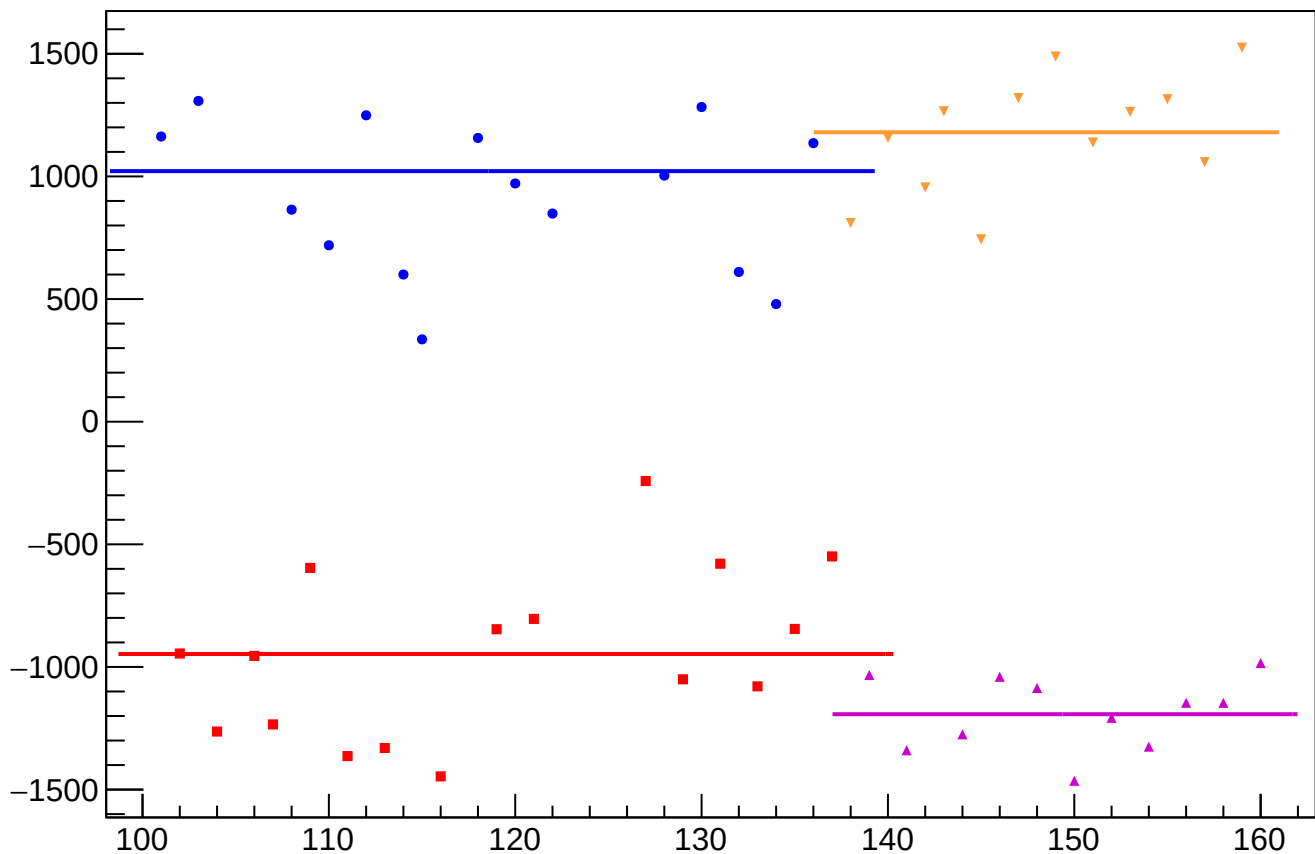
All: -70.027+/-0.000 χ^2/NDF : 707118050555

dit_sam5_coil7_err_mean vs Slug, Sign Corrected



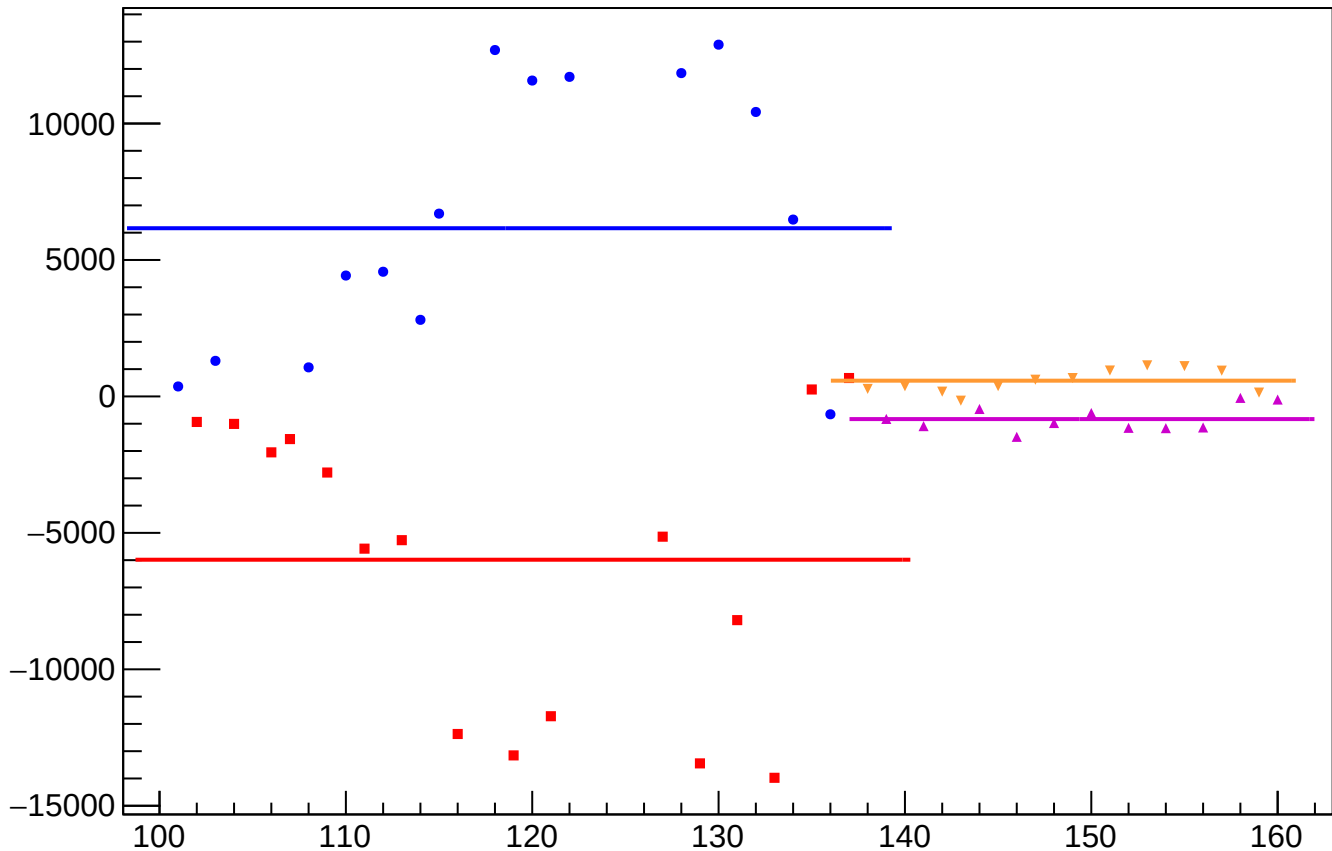
Right In: 270.538 $\pm$ 0.000 χ^2 /NDF: 2473839905347950323907848405170257920.0/14
 Left Out: 250.055 $\pm$ 0.000 χ^2 /NDF: 2329396041694824766683600755668025344.0/11
 Right Out: -233.421 $\pm$ 0.000 χ^2 /NDF: 3048529087317888615064010247743995904.0/15
 Left In: -253.145 $\pm$ 0.000 χ^2 /NDF: 1980196841930298045035907903943344128.0/10
 All: 4.607 $\pm$ 0.000 χ^2 /NDF: 20997016075743

dit_sam5_coil7_Ndata_mean vs Slug, Sign Corrected



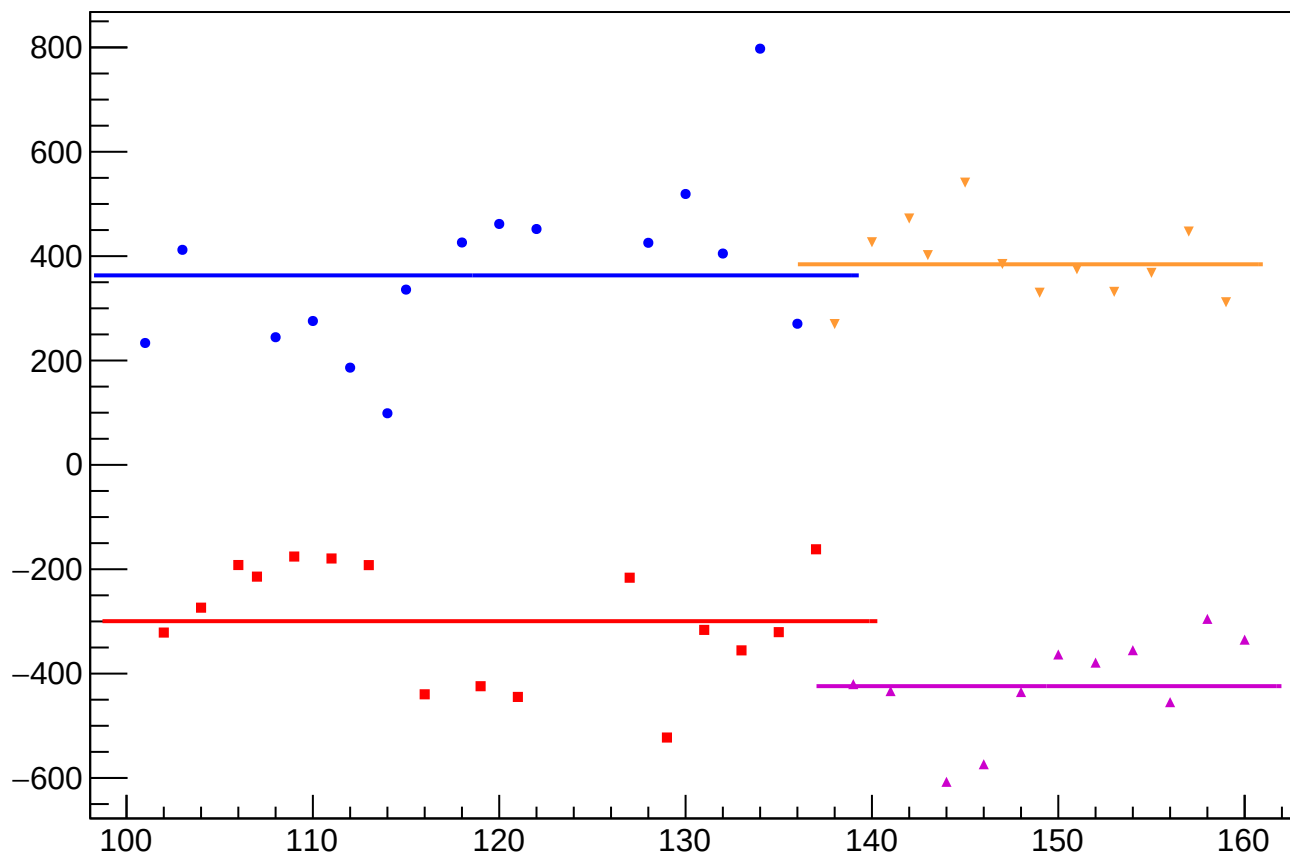
Right In: 1021.684 $\pm$ 0.000 χ^2 /NDF: 40493101470870278397836276403592495104.0/14
 Left Out: 1180.103 $\pm$ 0.000 χ^2 /NDF: 50788606804690292724539730503787347968.0/11
 Right Out: -947.145 $\pm$ 0.000 χ^2 /NDF: 67784656011936521511169668028018196480.0/15
 Left In: -1192.687 $\pm$ 0.000 χ^2 /NDF: 19255287383728205662654022867381911552.0/10
 All: 2.504 $\pm$ 0.000 χ^2 /NDF: 40413764320356

dit_sam6_coil7_mean vs Slug, Sign Corrected



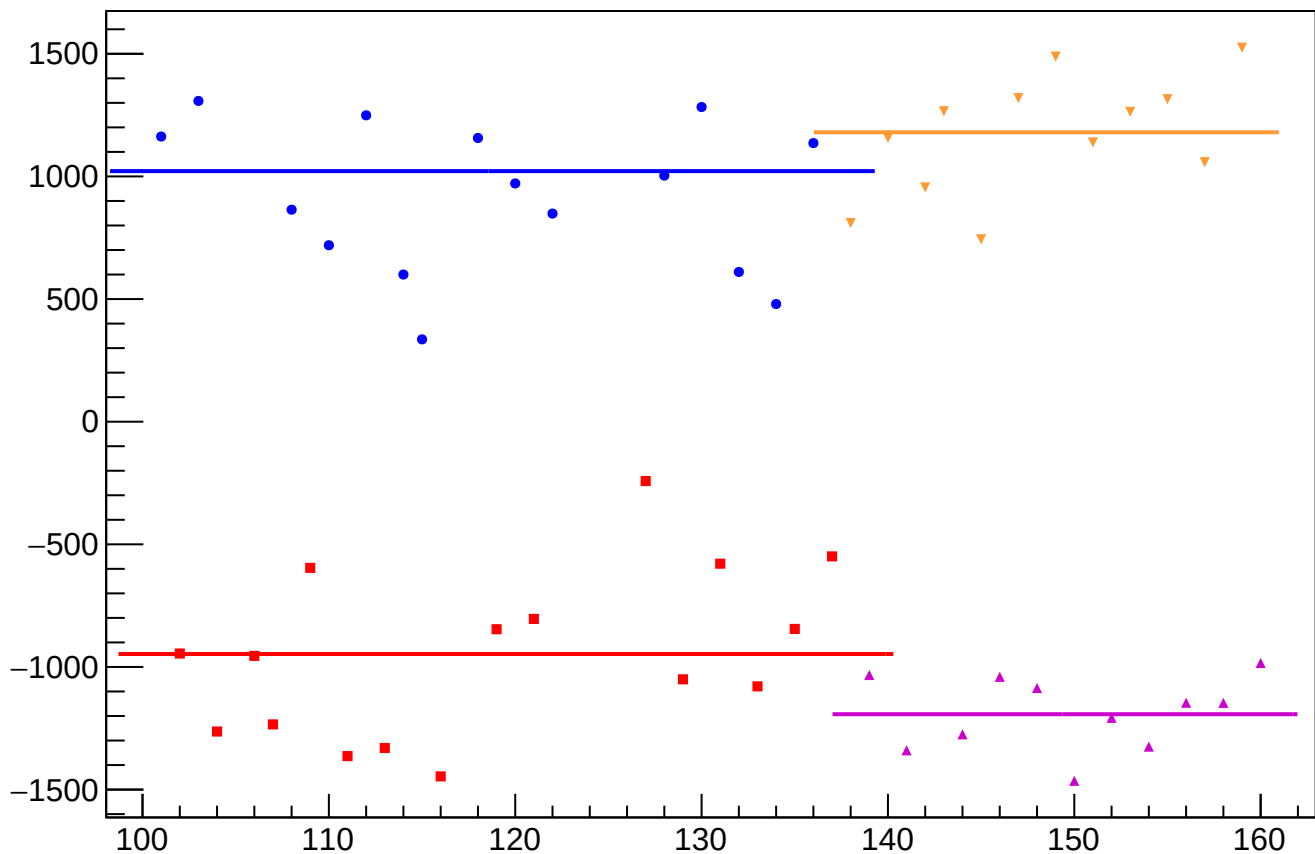
Right In: 6163.445+/-0.000 χ^2/NDF : 18200622549026770504746300139009854144512.0/14
 Left Out: 577.285+/-0.000 χ^2/NDF : 143964932817712353720884813497116917760.0/11
 Right Out: -5983.876+/-0.000 χ^2/NDF : 17505201913276273559161088764155841740800.0/15
 Left In: -830.587+/-0.000 χ^2/NDF : 172337092403726273197356020615128023040.0/10
 All: -73.239+/-0.000 χ^2/NDF : 854846167938

dit_sam6_coil7_err_mean vs Slug, Sign Corrected



Left: -22.018 ± 0.000 $\chi^2/\text{NDF}: 3128182165483401$
 Right In: 363.133 ± 0.000 $\chi^2/\text{NDF}: 11502791697076456426435998277995331584.0/14$
 Left Out: 384.397 ± 0.000 $\chi^2/\text{NDF}: 4703352228141784942428920611126378496.0/11$
 Right Out: -299.514 ± 0.000 $\chi^2/\text{NDF}: 7685497318744225218354652828984672256.0/15$
 Left In: -424.034 ± 0.000 $\chi^2/\text{NDF}: 7812894231718086106241094868881375232.0/10$
 All: -1.449 ± 0.000 $\chi^2/\text{NDF}: 4783076167376$

dit_sam6_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

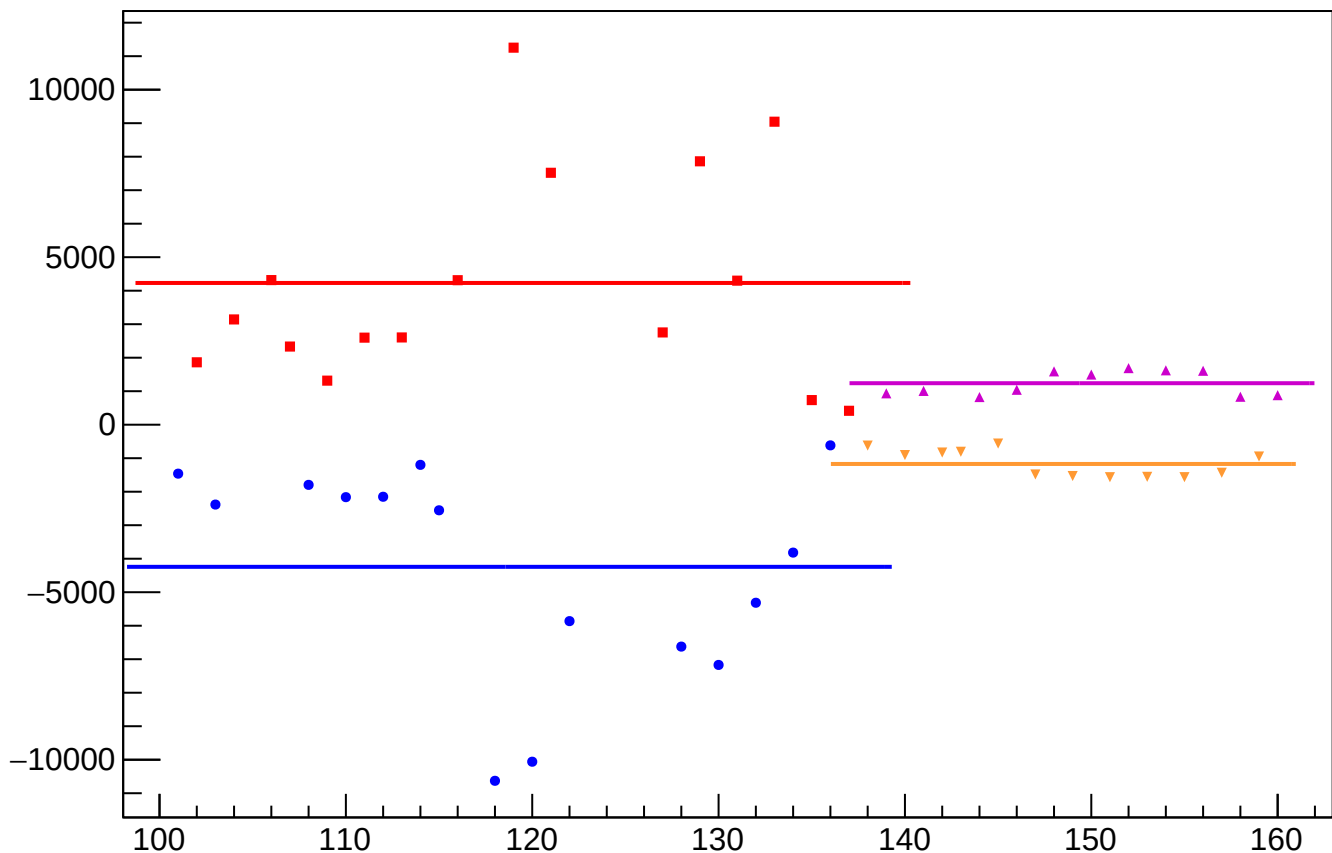
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_sam7_coil7_mean vs Slug, Sign Corrected



Right In: -4242.174 $\pm$ 0.000

χ^2/NDF : 6783472272174151371145601081742110752768.0/14

Left Out: -1171.784 $\pm$ 0.000

χ^2/NDF : 137401425112319786783295403719378599936.0/11

Right Out: 4230.978 $\pm$ 0.000

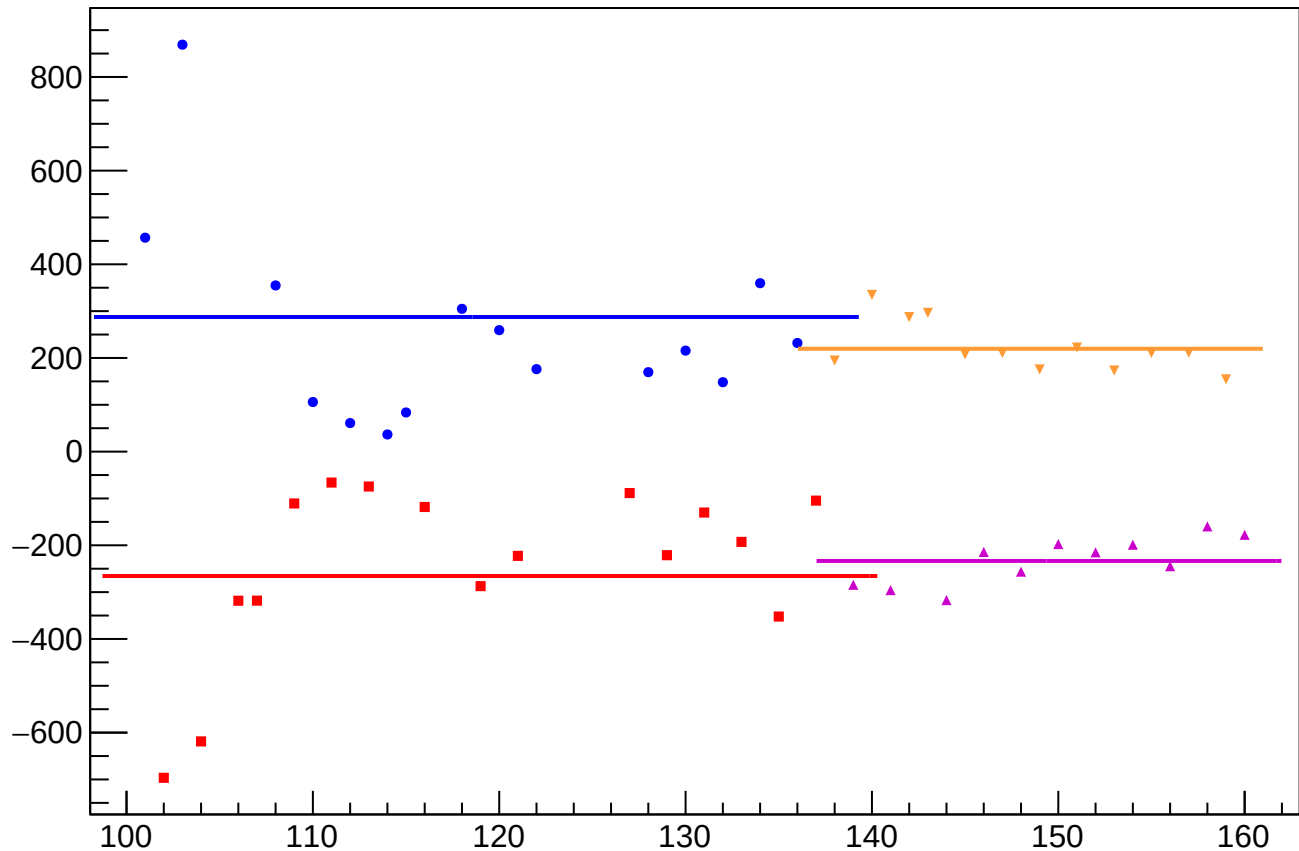
χ^2/NDF : 6682409528103016752204343573740930465792.0/15

Left In: 1238.776 $\pm$ 0.000

χ^2/NDF : 111339045659652616720712870833504124928.0/10

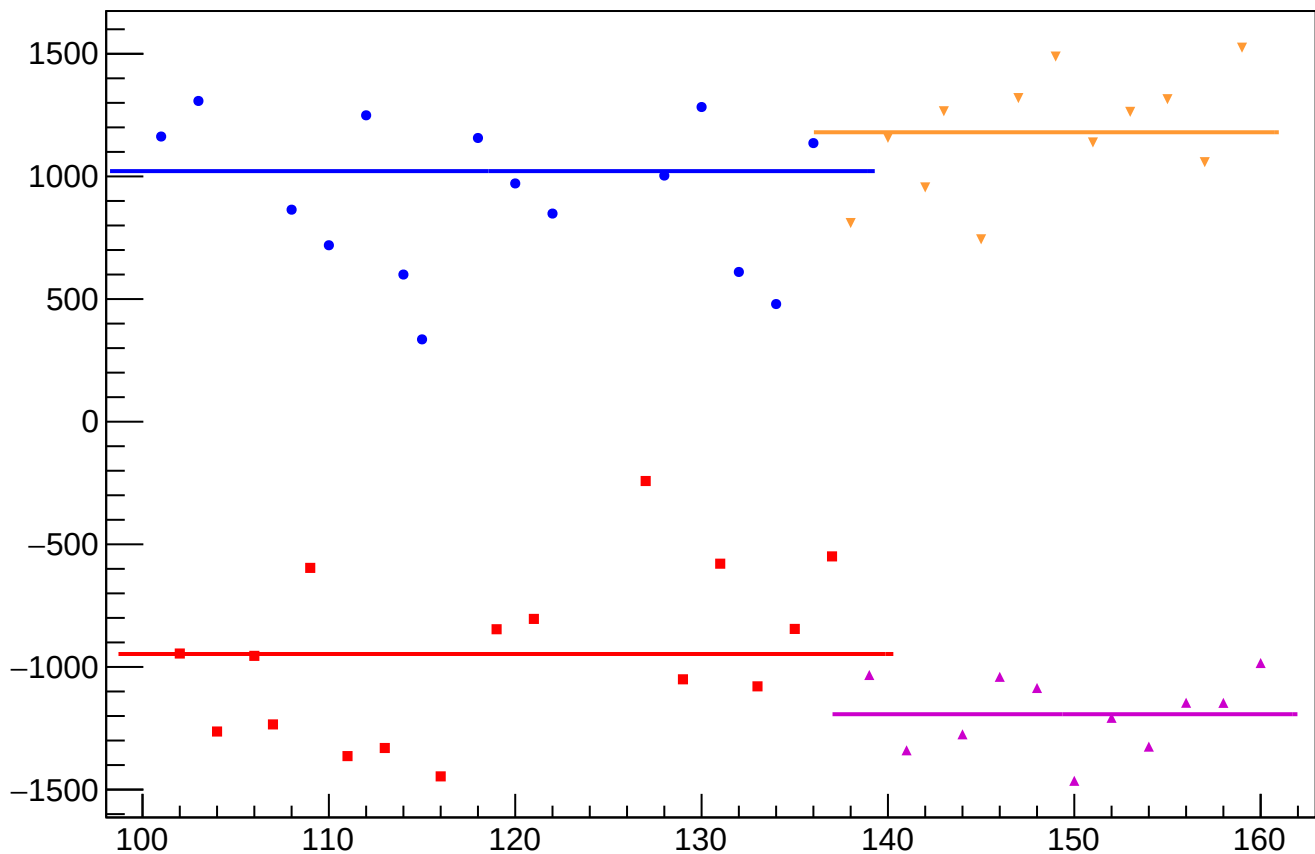
All: 45.184 $\pm$ 0.000 χ^2/NDF : 4000063219777

dit_sam7_coil7_err_mean vs Slug, Sign Corrected



Right In: 287.460 $\pm$ 0.000 χ^2 /NDF: 29517044144826155936619151581366976512.0/14
 Left Out: 219.672 $\pm$ 0.000 χ^2 /NDF: 2455507522676926762328692419180101632.0/11
 Right Out: -265.593 $\pm$ 0.000 χ^2 /NDF: 25843263106329059274985499259066908672.0/15
 Left In: -233.397 $\pm$ 0.000 χ^2 /NDF: 2171341737989359237753599766499950592.0/10
 All: -1.734 $\pm$ 0.000 χ^2 /NDF: 2550962914121

dit_sam7_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684 +/- 0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

Left Out: 1180.103 +/- 0.000

χ^2/NDF : 50788606804690292724539730503787347968.0/11

Right Out: -947.145 +/- 0.000

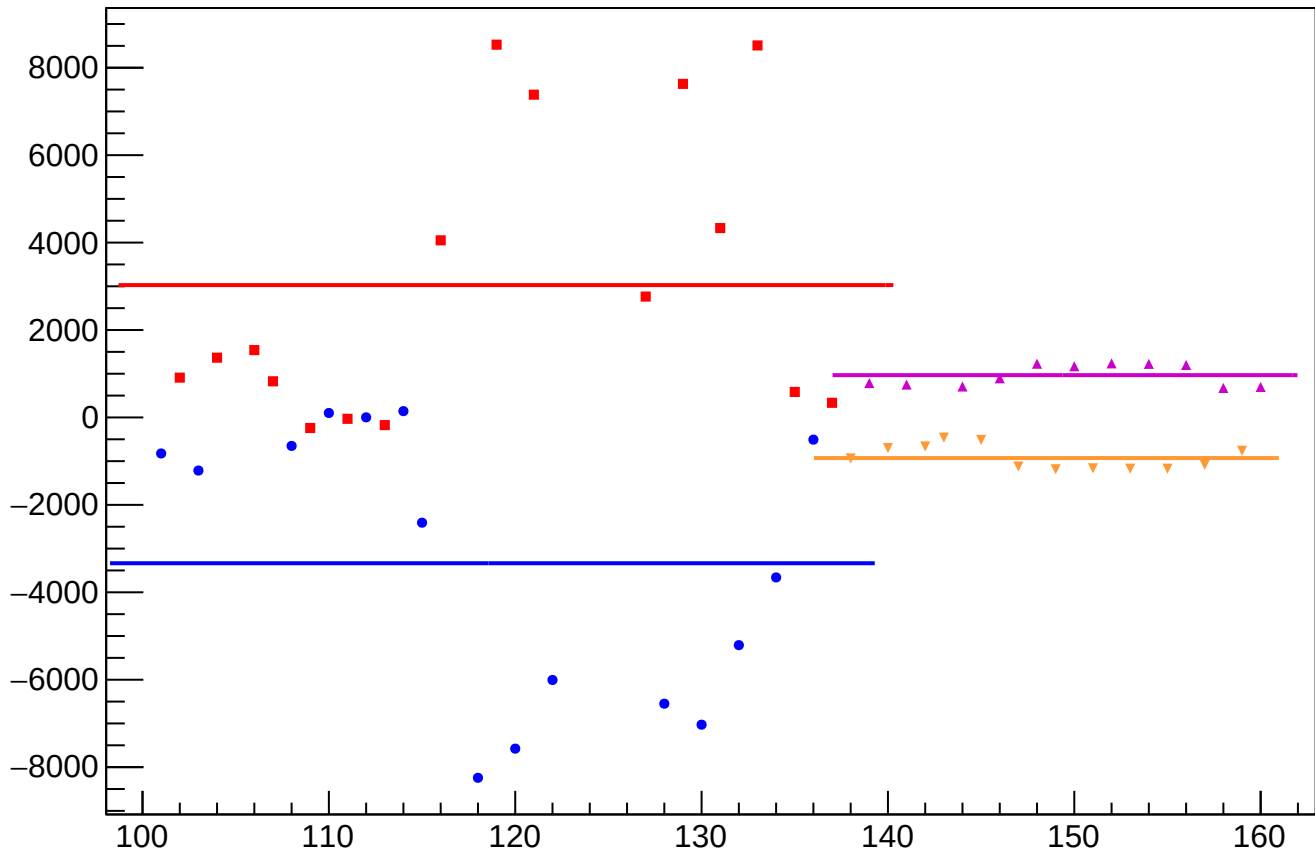
χ^2/NDF : 67784656011936521511169668028018196480.0/15

Left In: -1192.687 +/- 0.000

χ^2/NDF : 19255287383728205662654022867381911552.0/10

All: 2.504 +/- 0.000 χ^2/NDF : 40413764320356

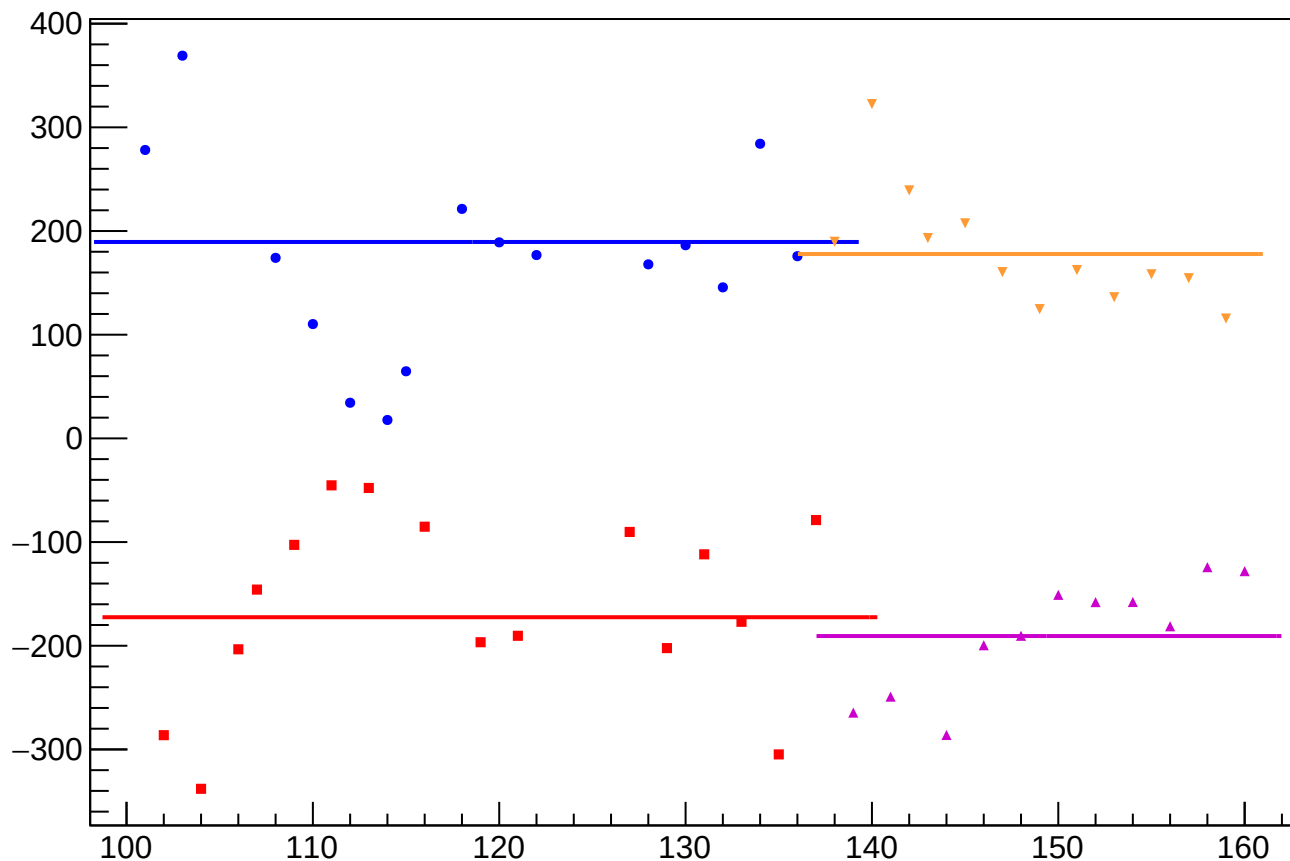
dit_sam8_coil7_mean vs Slug, Sign Corrected



Left: 24.512+/-0.000 χ^2/NDF : 17662313982822156
 Right: -110.320+/-0.000 χ^2/NDF : 26741707536001
 In: -807.730+/-0.000 χ^2/NDF : 1344782221758095
 Out: 740.311+/-0.000 χ^2/NDF : 1318448638352381
 All: -31.746+/-0.000 χ^2/NDF : 285218808380

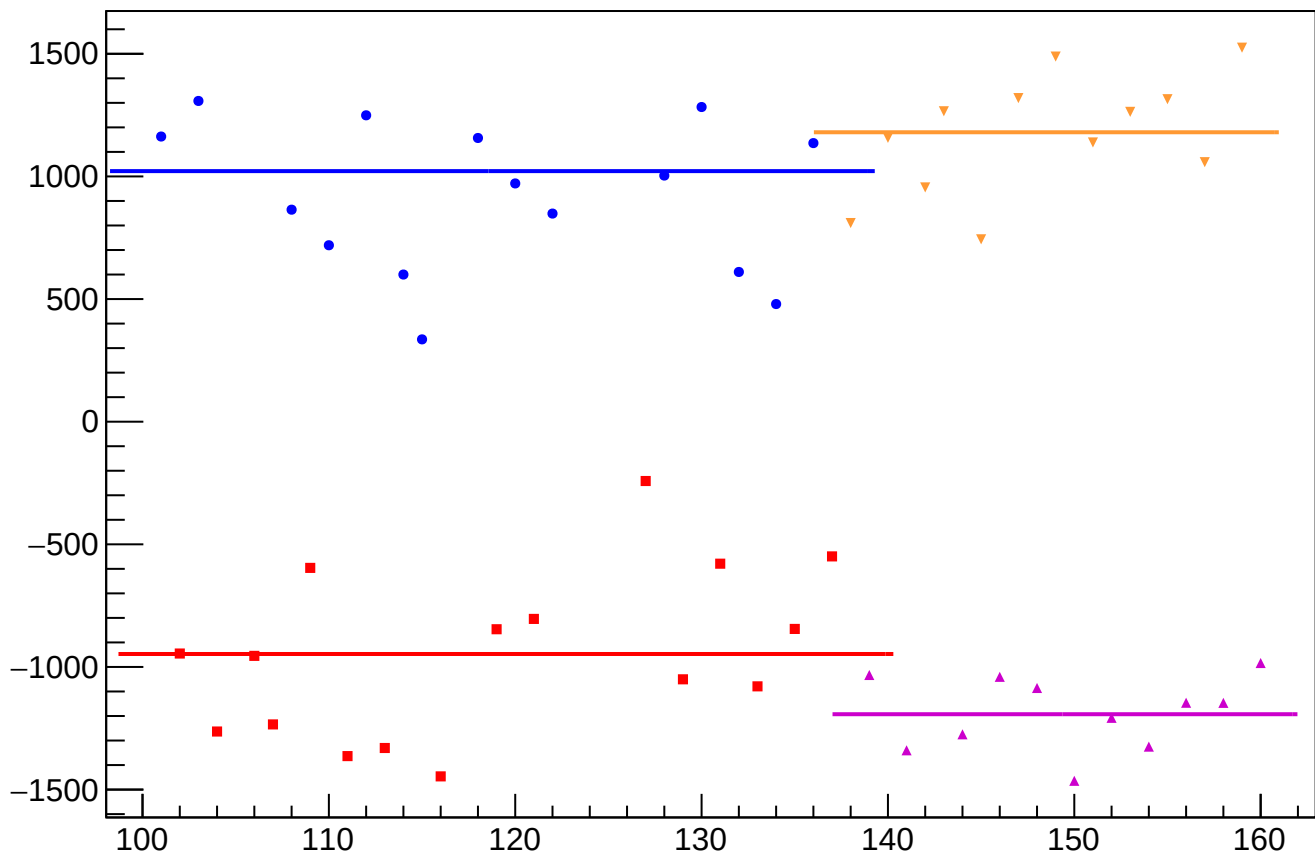
Right In: -3335.273+/-0.000 χ^2/NDF : 6338087251589637529030075517152423575552.0/14
 Left Out: -928.862+/-0.000 χ^2/NDF : 62250510021534104734591710459968094208.0/11
 Right Out: 3027.603+/-0.000 χ^2/NDF : 7086157086694396583090903767581326311424.0/15
 Left In: 967.568+/-0.000 χ^2/NDF : 51461881619401718567497787720865939456.0/10

dit_sam8_coil7_err_mean vs Slug, Sign Corrected



Left: -7.418 +/- 0.000 χ^2/NDF : 67707857548229784
 Right In: 189.442 +/- 0.000 χ^2/NDF : 4707234253929700721726064108794544128.0/14
 Right: 6.003 +/- 0.000 χ^2/NDF : 53389896429660457
 Left Out: 177.811 +/- 0.000 χ^2/NDF : 2793392529927944860081581234505908224.0/11
 In: -33.824 +/- 0.000 χ^2/NDF : 62316992098402396
 Right Out: -172.485 +/- 0.000 χ^2/NDF : 5594813408996728261938711470404534272.0/15
 Out: 30.026 +/- 0.000 χ^2/NDF : 55704321138575390
 Left In: -190.641 +/- 0.000 χ^2/NDF : 2536070386684067132001548898091925504.0/10
 All: -1.818 +/- 0.000 χ^2/NDF : 1212358862395

dit_sam8_coil7_Ndata_mean vs Slug, Sign Corrected



Right In: 1021.684+/-0.000

Left Out: 1180.103+/-0.000

Right Out: -947.145+/-0.000

Left In: -1192.687+/-0.000

χ^2/NDF : 40493101470870278397836276403592495104.0/14

χ^2/NDF : 50788606804690292724539730503787347968.0/11

χ^2/NDF : 67784656011936521511169668028018196480.0/15

χ^2/NDF : 19255287383728205662654022867381911552.0/10

Left: -12.747+/-0.000 χ^2/NDF : 2657013306605046

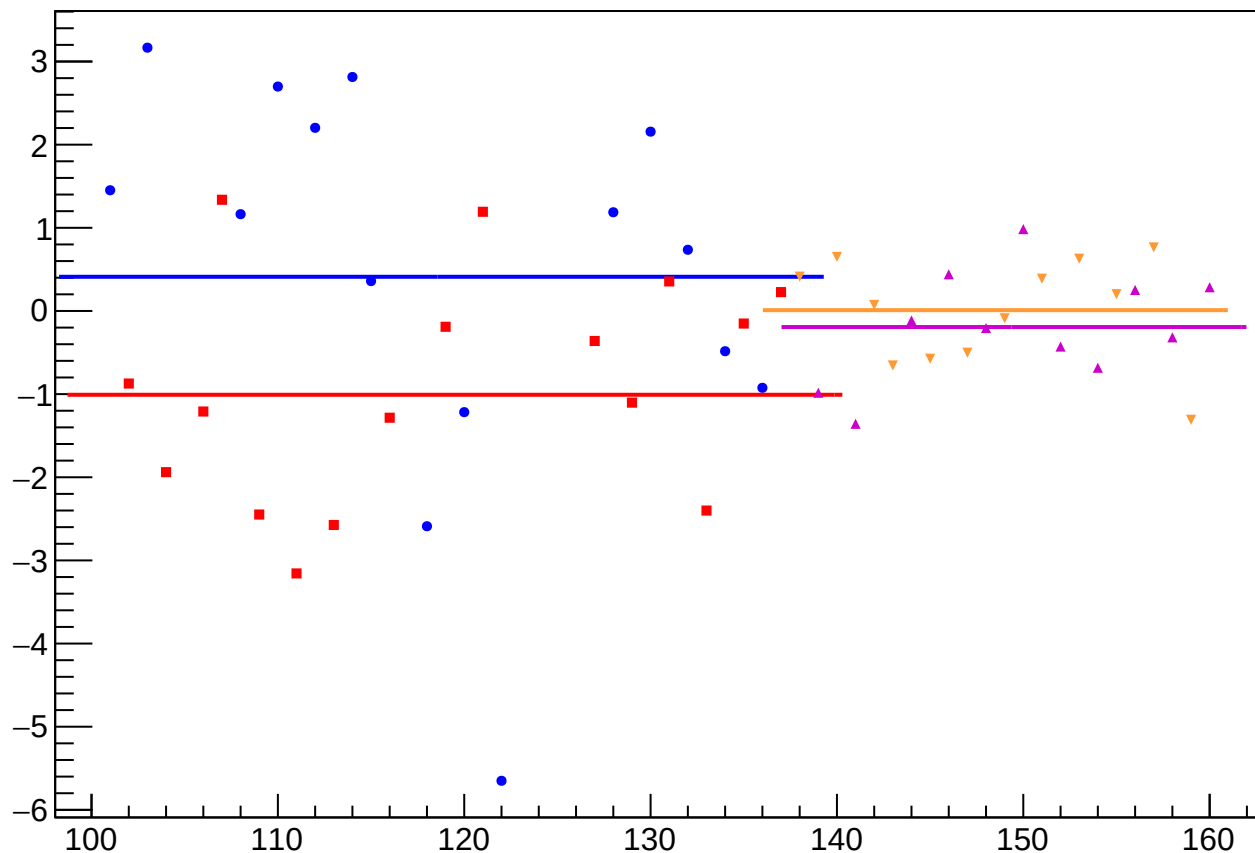
Right: 23.805+/-0.000 χ^2/NDF : 1383338523153511

In: -279.065+/-0.000 χ^2/NDF : 1929090788254319

Out: 282.649+/-0.000 χ^2/NDF : 1863497273761245

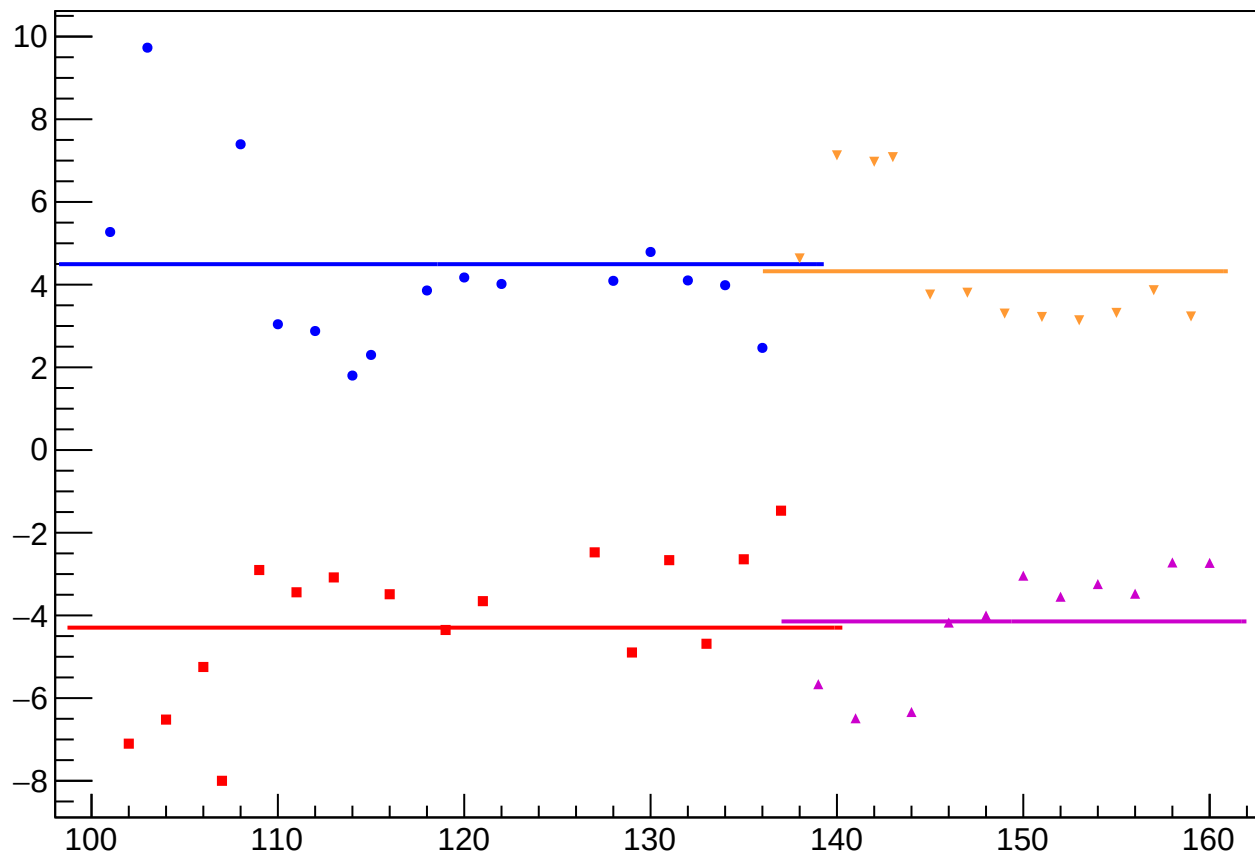
All: 2.504+/-0.000 χ^2/NDF : 40413764320356

dit_4aX_coil4_mean vs Slug, Sign Corrected



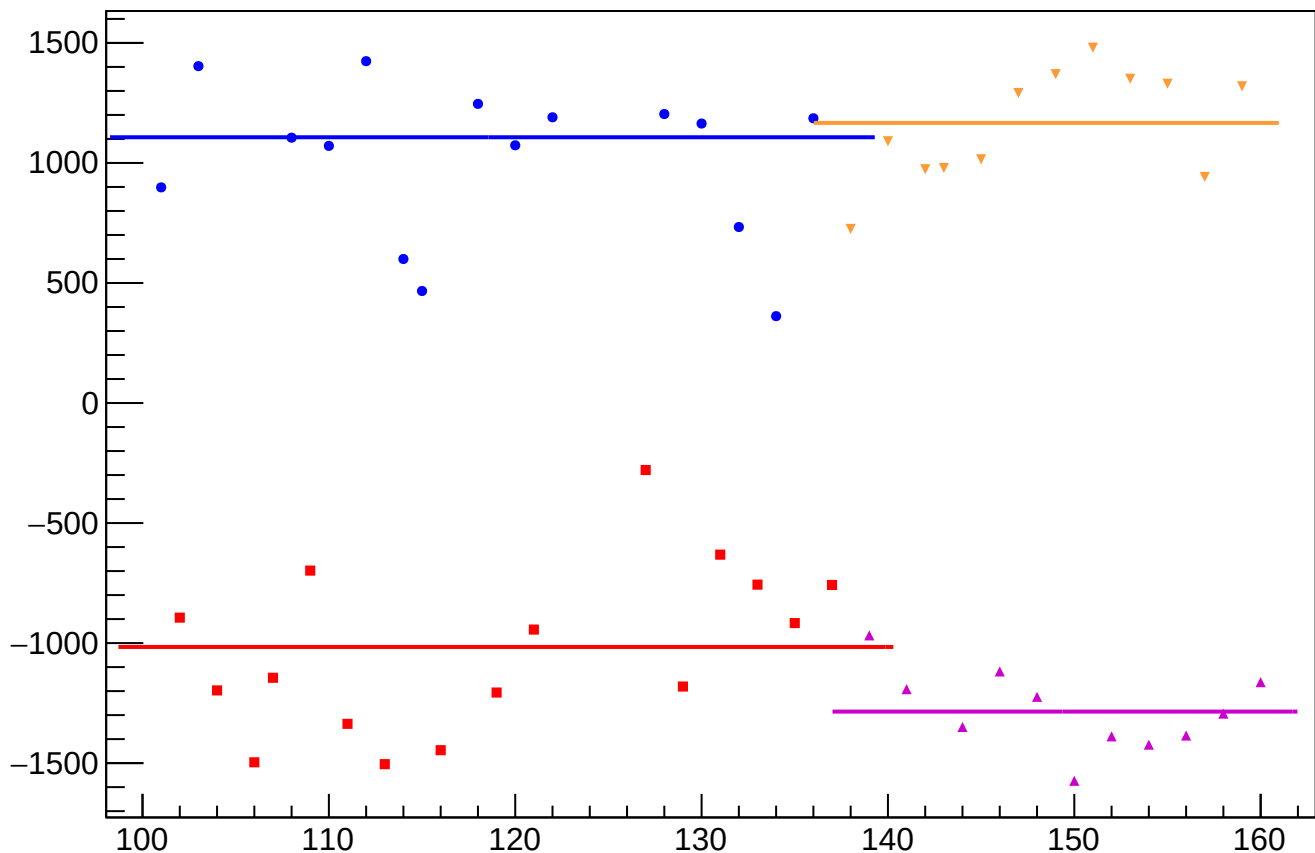
Right In: 0.411 ± 0.000 $\chi^2/\text{NDF}: 3385573506255563170053089820409856.0/14$
 Left Out: 0.010 ± 0.000 $\chi^2/\text{NDF}: 354573516648160349272665694928896.0/11$
 Right Out: -1.008 ± 0.000 $\chi^2/\text{NDF}: 1128402228144096394498047410700288.0/15$
 Left In: -0.193 ± 0.000 $\chi^2/\text{NDF}: 386133523330033860307880234713088.0/10$
 All: -0.182 ± 0.000 $\chi^2/\text{NDF}: 5971597389441$

dit_4aX_coil4_err_mean vs Slug, Sign Corrected



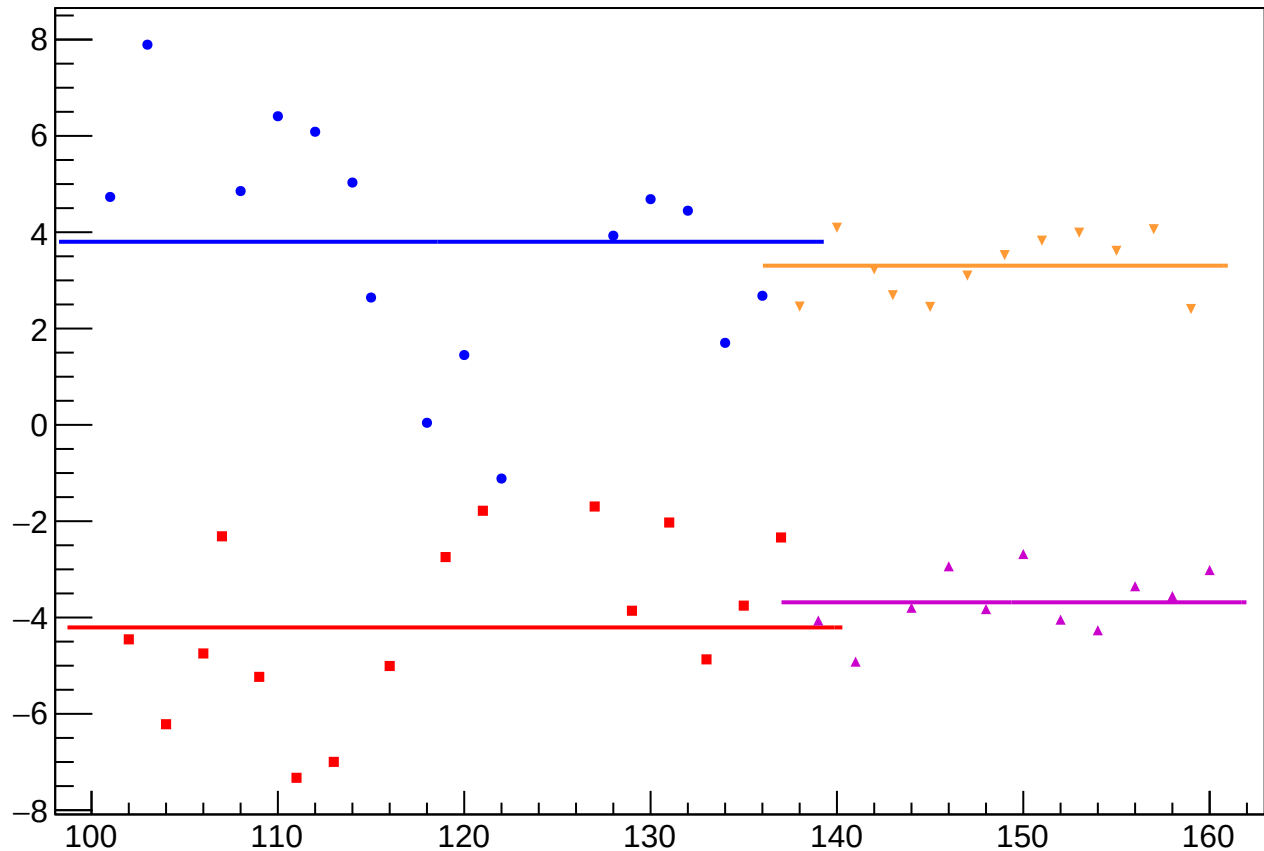
Right In: 4.495 $\pm$ 0.000 χ^2 /NDF: 2742240072441097531500728791597056.0/14
 Left Out: 4.324 $\pm$ 0.000 χ^2 /NDF: 2025534969388950058407109119180800.0/11
 Right Out: -4.296 $\pm$ 0.000 χ^2 /NDF: 2011925707062051890381007475441664.0/15
 Left In: -4.145 $\pm$ 0.000 χ^2 /NDF: 1645942604303349608571849827942400.0/10
 All: 0.055 $\pm$ 0.000 χ^2 /NDF: 66802270544338

dit_4aX_coil4_Ndata_mean vs Slug, Sign Corrected



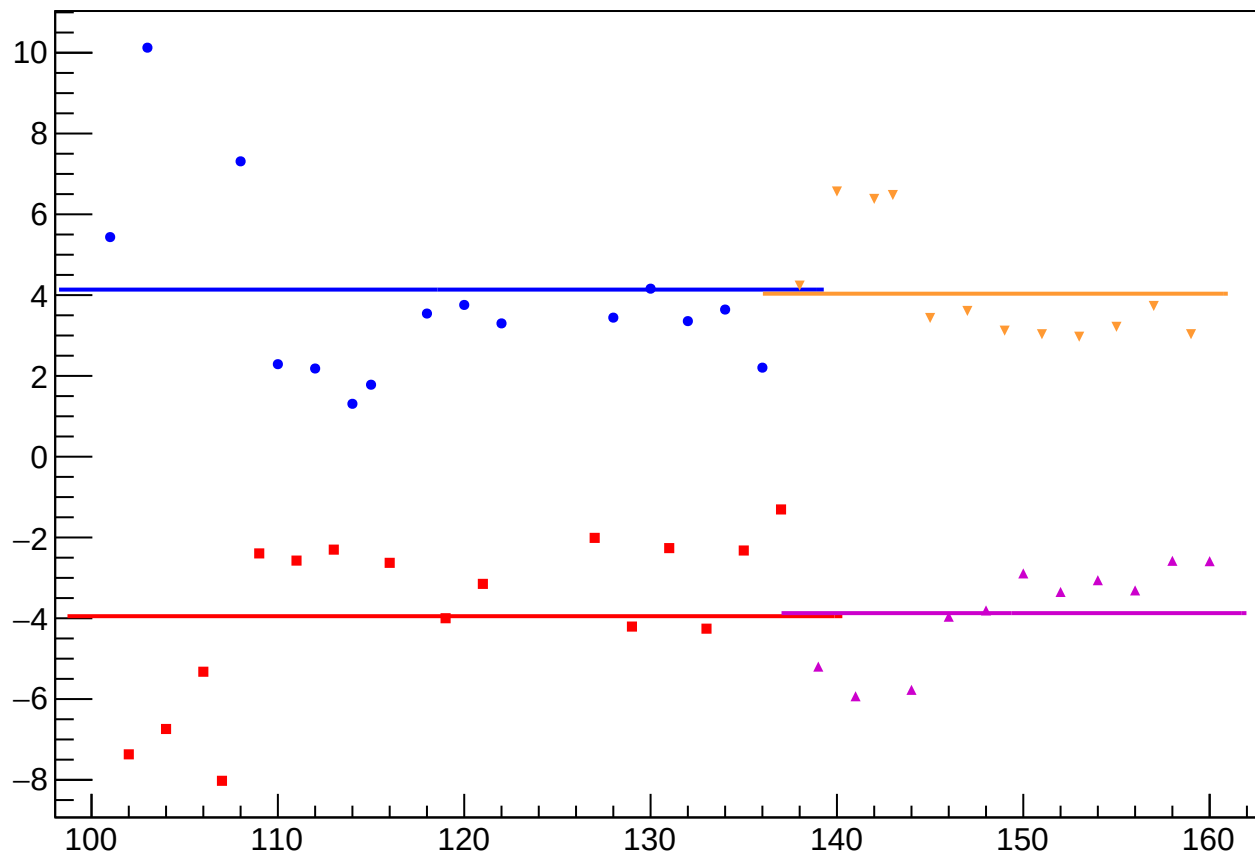
Right In: 1107.052 +/- 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869 +/- 0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106 +/- 0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364 +/- 0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499 +/- 0.000 χ^2/NDF : 443493791328

dit_4eX_coil4_mean vs Slug, Sign Corrected



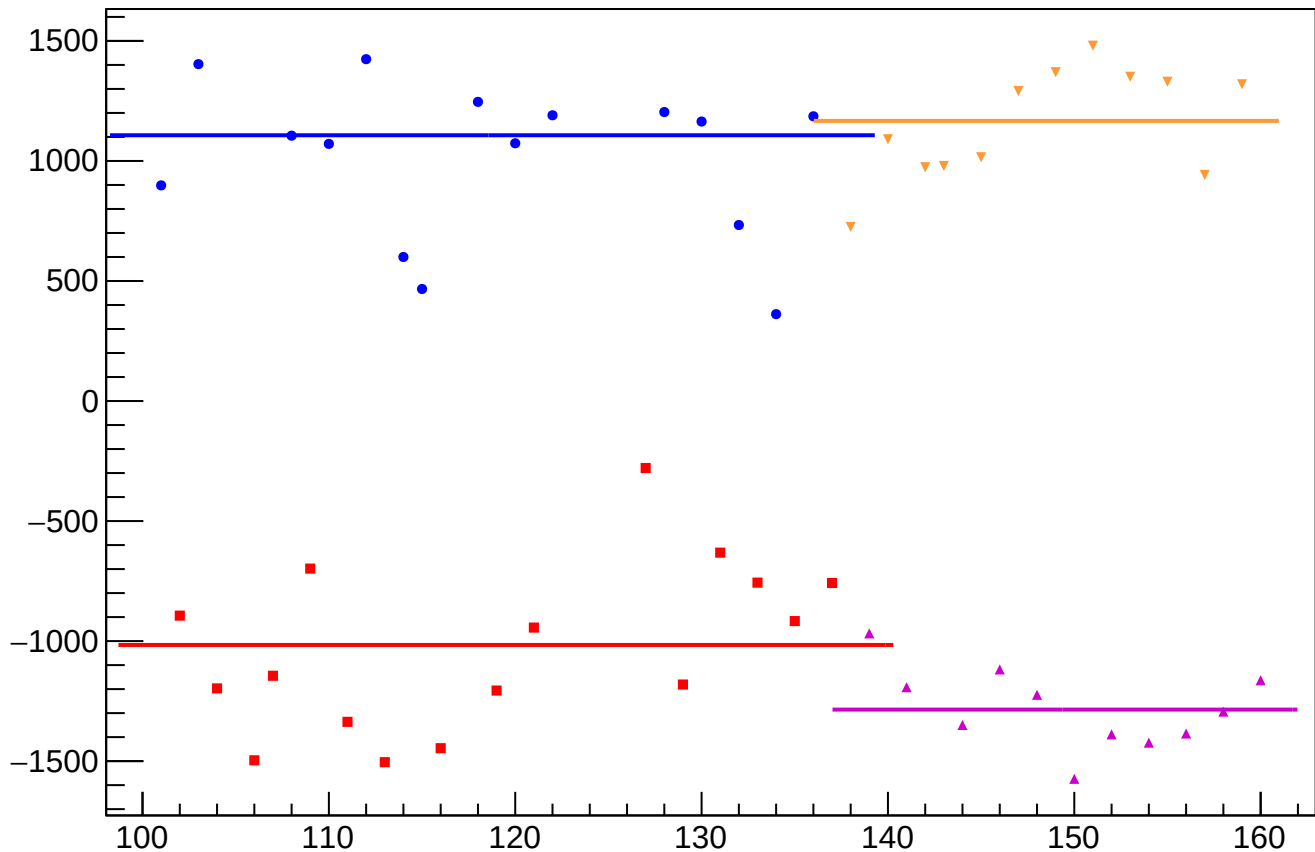
Right In: 3.802 ± 0.000 $\chi^2/\text{NDF}: 3795476074398338930564700657680384.0/14$
 Left Out: 3.305 ± 0.000 $\chi^2/\text{NDF}: 375514605339805624898679558111232.0/11$
 Right Out: -4.206 ± 0.000 $\chi^2/\text{NDF}: 2096427813341454573332265183477760.0/15$
 Left In: -3.684 ± 0.000 $\chi^2/\text{NDF}: 366001419656422310601850072596480.0/10$
 All: -0.229 ± 0.000 $\chi^2/\text{NDF}: 5017617766780$

dit_4eX_coil4_err_mean vs Slug, Sign Corrected



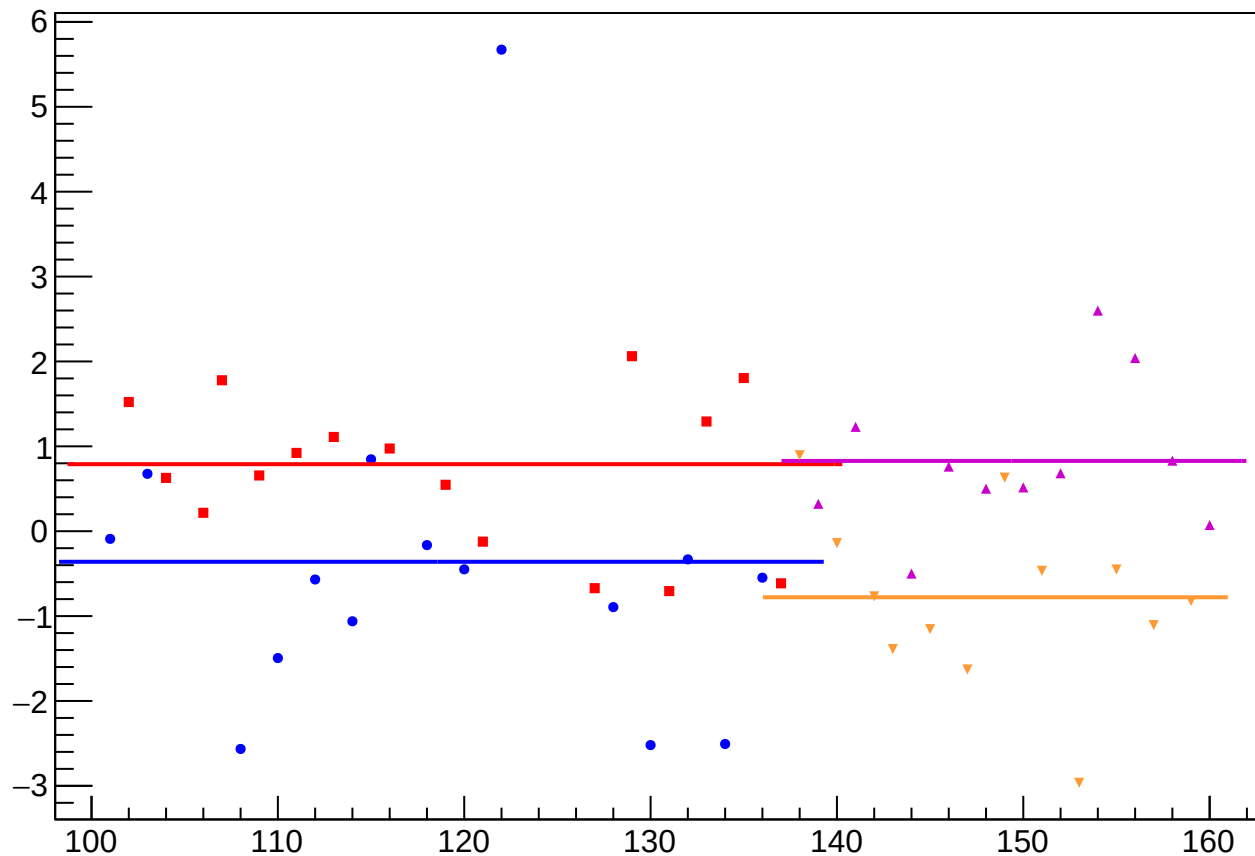
Right In: 4.136 $\pm$ 0.000 χ^2 /NDF: 3507600624388663919898505496231936.0/14
 Left Out: 4.035 $\pm$ 0.000 χ^2 /NDF: 16092990613525785486150138363904.0/11
 Right Out: -3.948 $\pm$ 0.000 χ^2 /NDF: 2670176783942302028345551100051456.0/15
 Left In: -3.873 $\pm$ 0.000 χ^2 /NDF: 1278598291391127694323835331411968.0/10
 All: 0.051 $\pm$ 0.000 χ^2 /NDF: 59300481694443

dit_4eX_coil4_Ndata_mean vs Slug, Sign Corrected



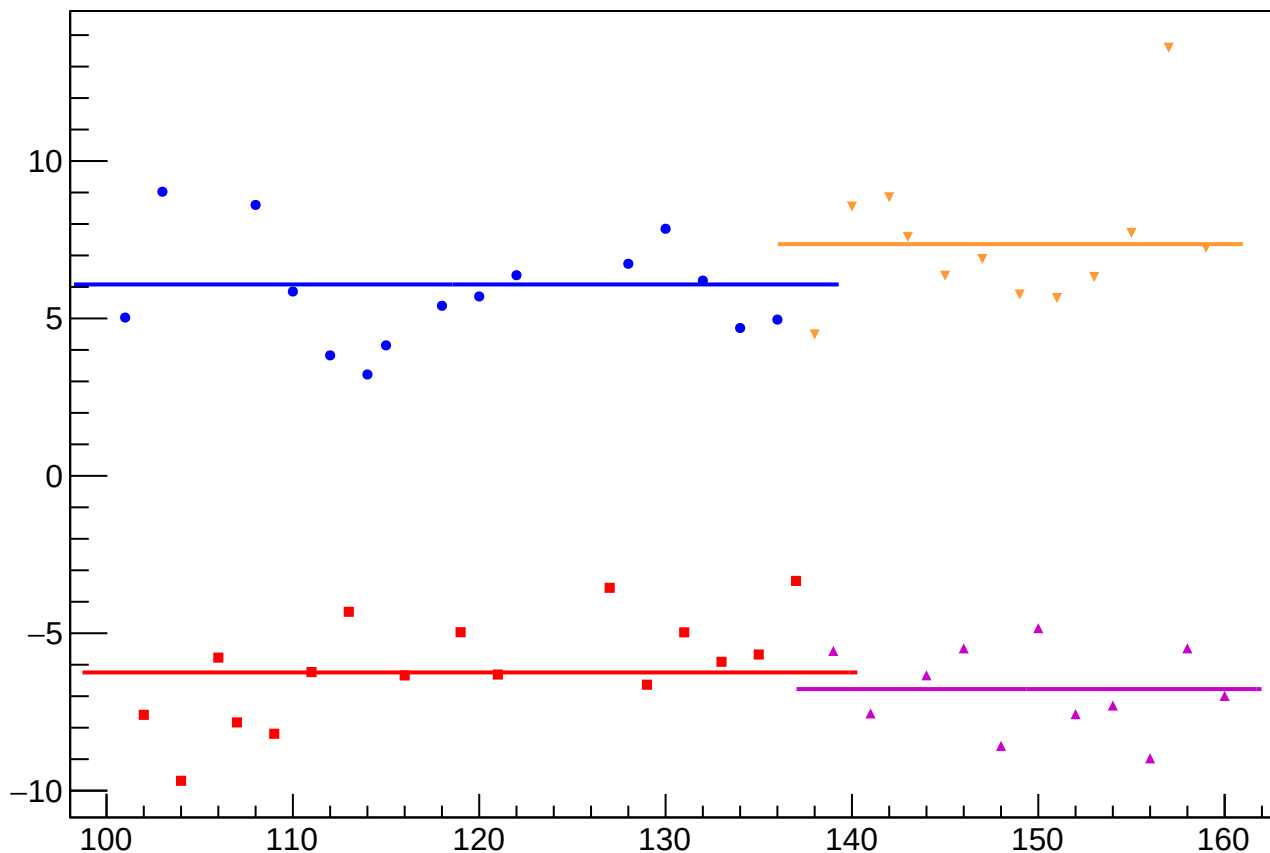
Right In: 1107.052 +/- 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869 +/- 0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106 +/- 0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364 +/- 0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499 +/- 0.000 χ^2/NDF : 443493791328

dit_11X12X_coil4_mean vs Slug, Sign Corrected



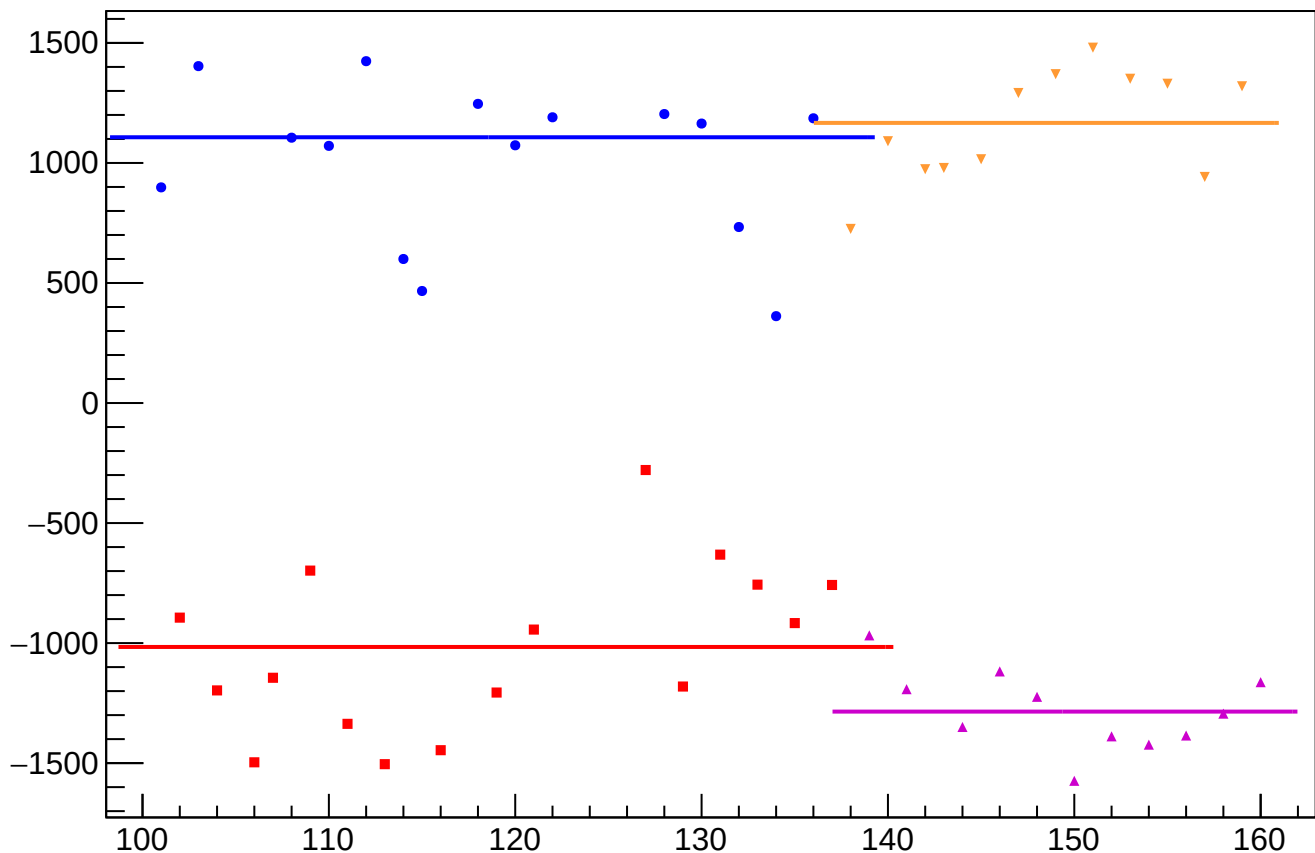
Right In: -0.360 ± 0.000 χ^2/NDF : 2180256348790896849346212178952192.0/14
 Left Out: -0.778 ± 0.000 χ^2/NDF : 941792568376434225486843988672512.0/11
 Right Out: 0.790 ± 0.000 χ^2/NDF : 463078369073343959803422903894016.0/15
 Left In: 0.828 ± 0.000 χ^2/NDF : 650173977459122524537180454387712.0/10
 All: 0.110 ± 0.000 χ^2/NDF : 58843184622867

dit_11X12X_coil4_err_mean vs Slug, Sign Corrected



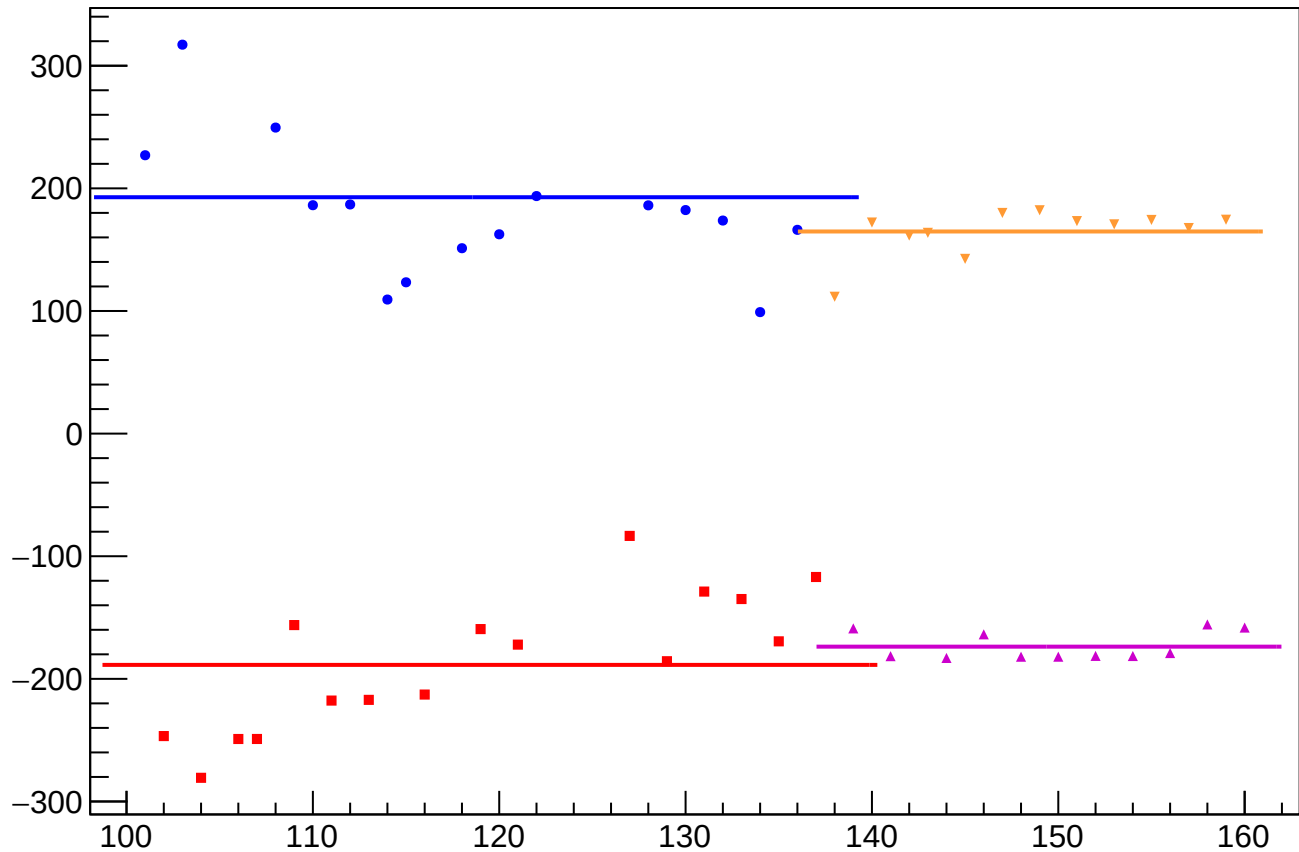
Right In: 6.079 ± 0.000 $\chi^2/\text{NDF}: 1590295171022705157509900448825344.0/14$
 Left Out: 7.360 ± 0.000 $\chi^2/\text{NDF}: 4580380755239365503585140070154240.0/11$
 Right Out: -6.245 ± 0.000 $\chi^2/\text{NDF}: 1816529163105006938510976985595904.0/15$
 Left In: -6.773 ± 0.000 $\chi^2/\text{NDF}: 1545880653062872635060205832372224.0/10$
 All: 0.079 ± 0.000 $\chi^2/\text{NDF}: 15140907690746$

dit_11X12X_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_4aY_coil4_mean vs Slug, Sign Corrected



Right In: 192.771 $\pm$ 0.000

χ^2 /NDF: 1640576279746948433391816936236515328.0/14

Left Out: 164.832 $\pm$ 0.000

χ^2 /NDF: 331248867631864480349687016910225408.0/11

Right Out: -188.612 $\pm$ 0.000

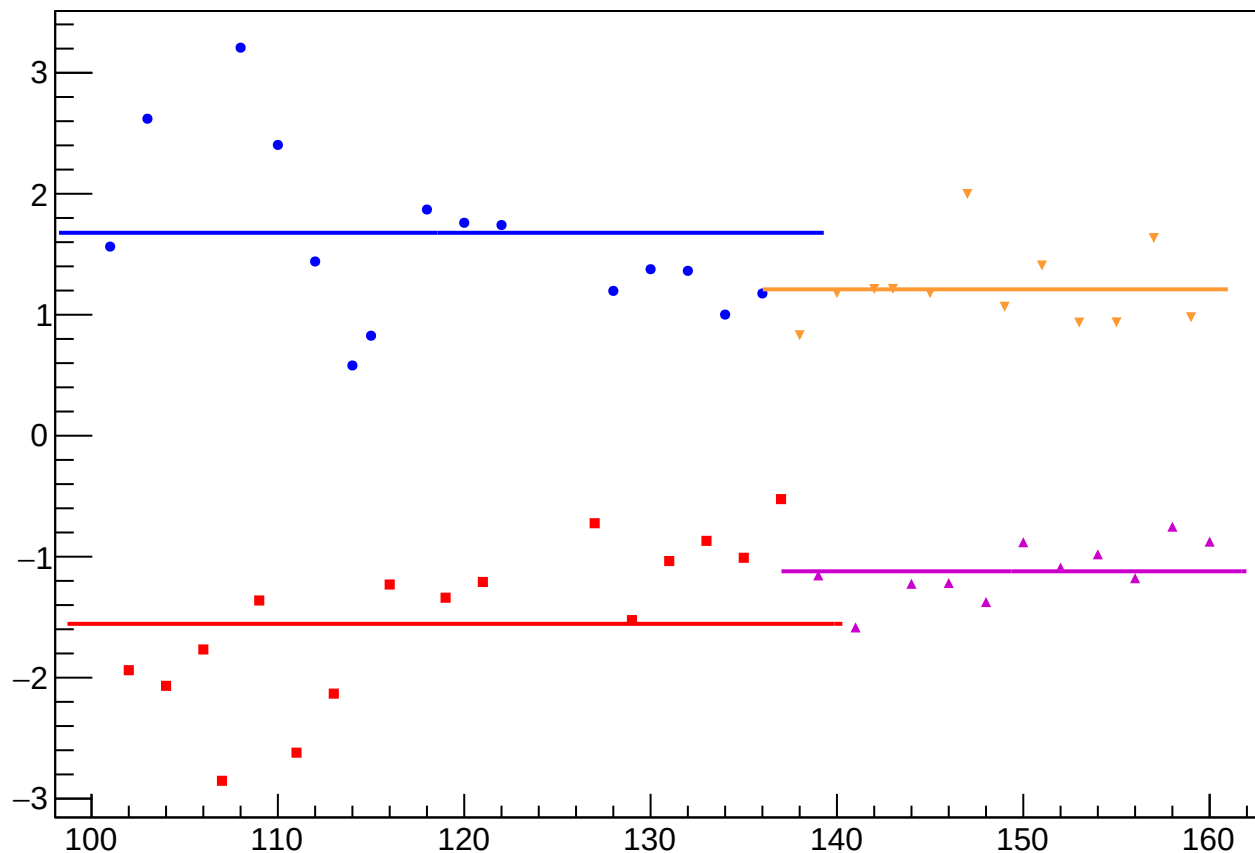
χ^2 /NDF: 1922342257287674563344204730019610624.0/15

Left In: -173.738 $\pm$ 0.000

χ^2 /NDF: 107568156923900649458795541002452992.0/10

All: -3.352 $\pm$ 0.000 χ^2 /NDF: 1045358110774

dit_4aY_coil4_err_mean vs Slug, Sign Corrected



Left: 0.038 +/- 0.000 χ^2/NDF : 26400466299465554.0/44

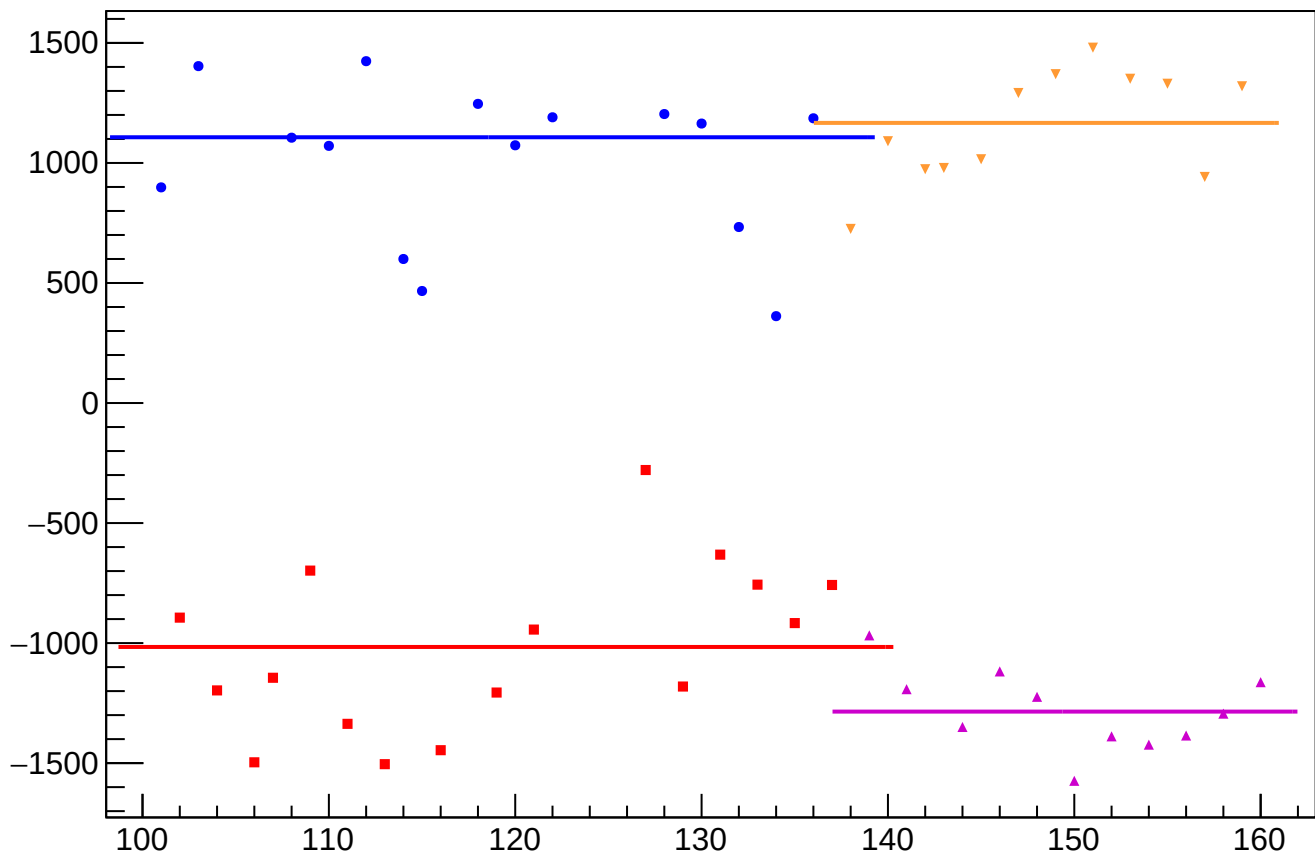
Right: 0.039 +/- 0.000 χ^2/NDF : 39344676532155979.0/44

In: 0.034 +/- 0.000 χ^2/NDF : 3275368114978709323.0/44

Out: 0.043 +/- 0.000 χ^2/NDF : 329907161890526986.0/44

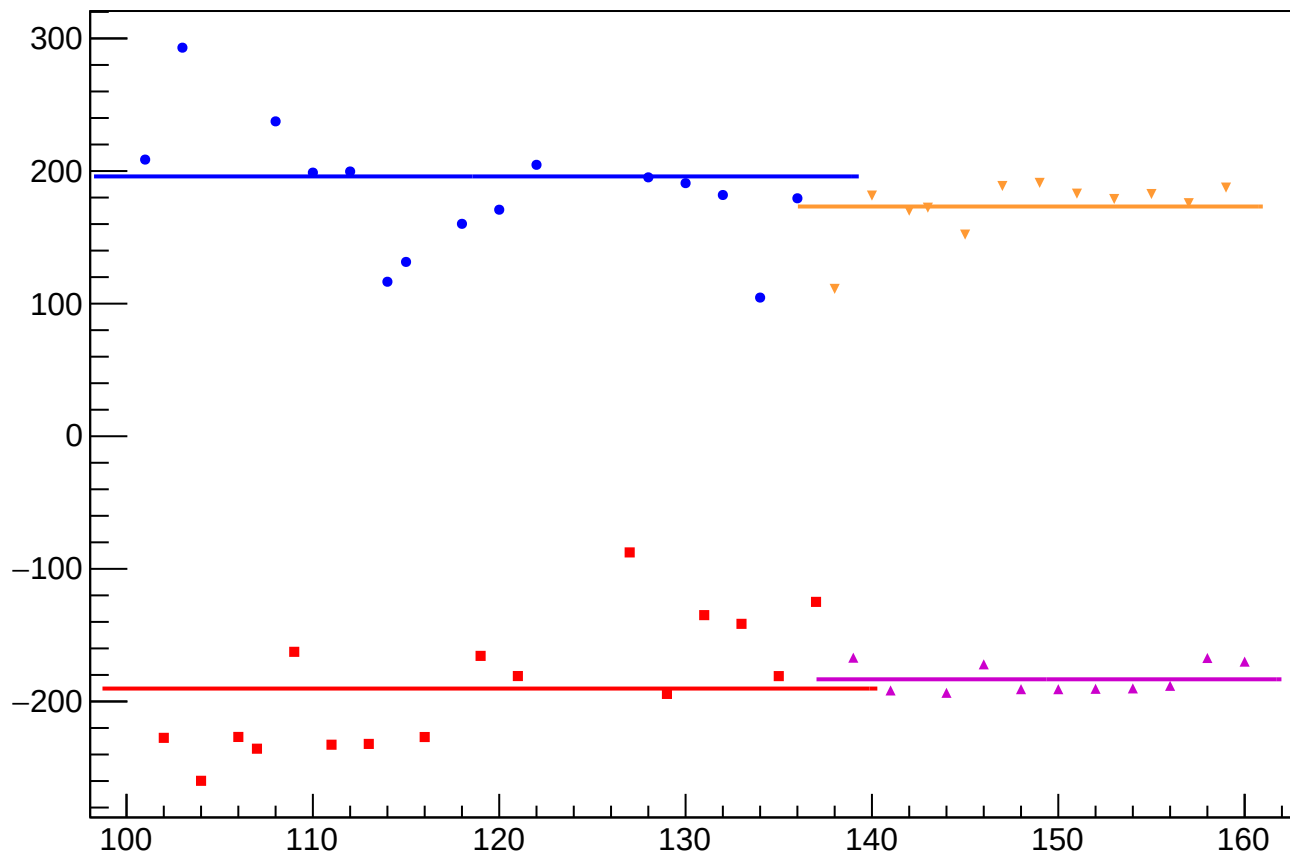
All: 0.039 +/- 0.000 χ^2/NDF : 65745148787562.0/44

dit_4aY_coil4_Ndata_mean vs Slug, Sign Corrected



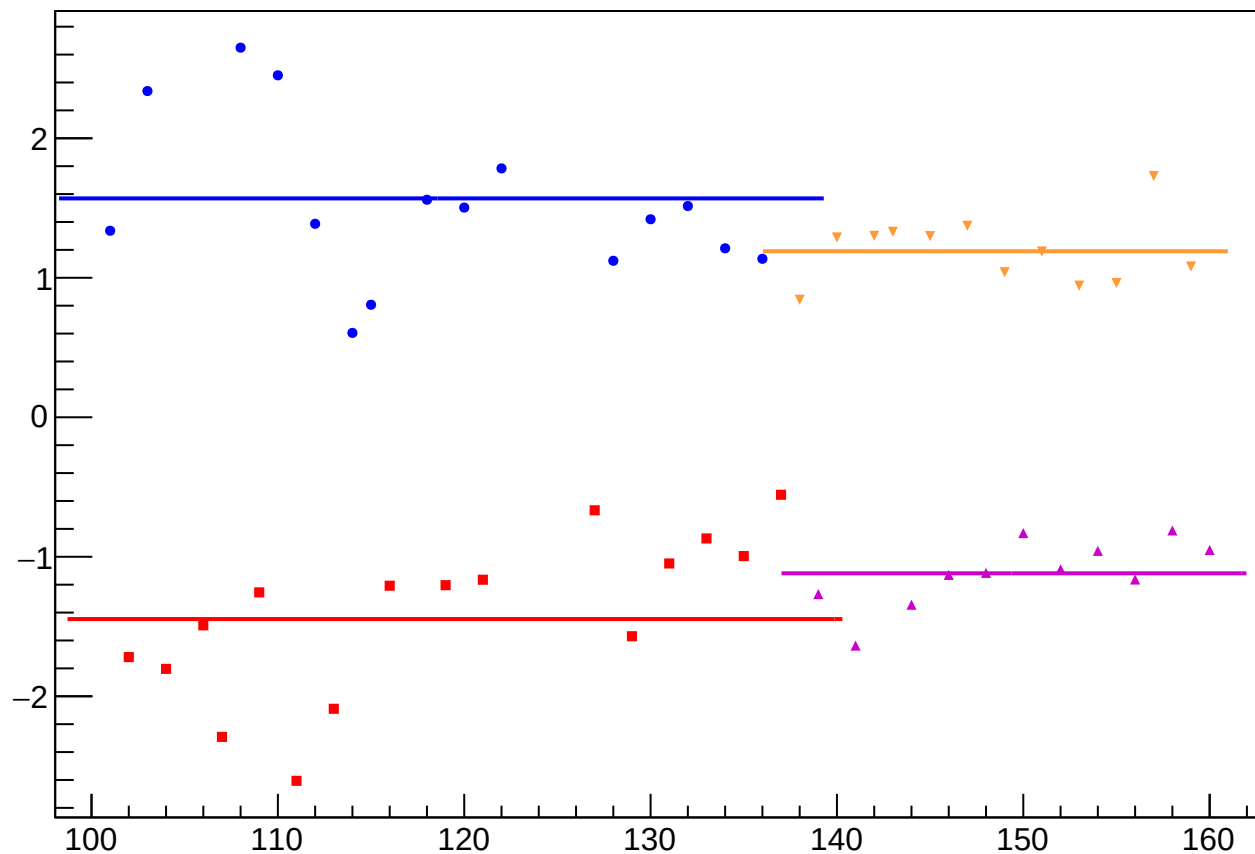
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_4eY_coil4_mean vs Slug, Sign Corrected



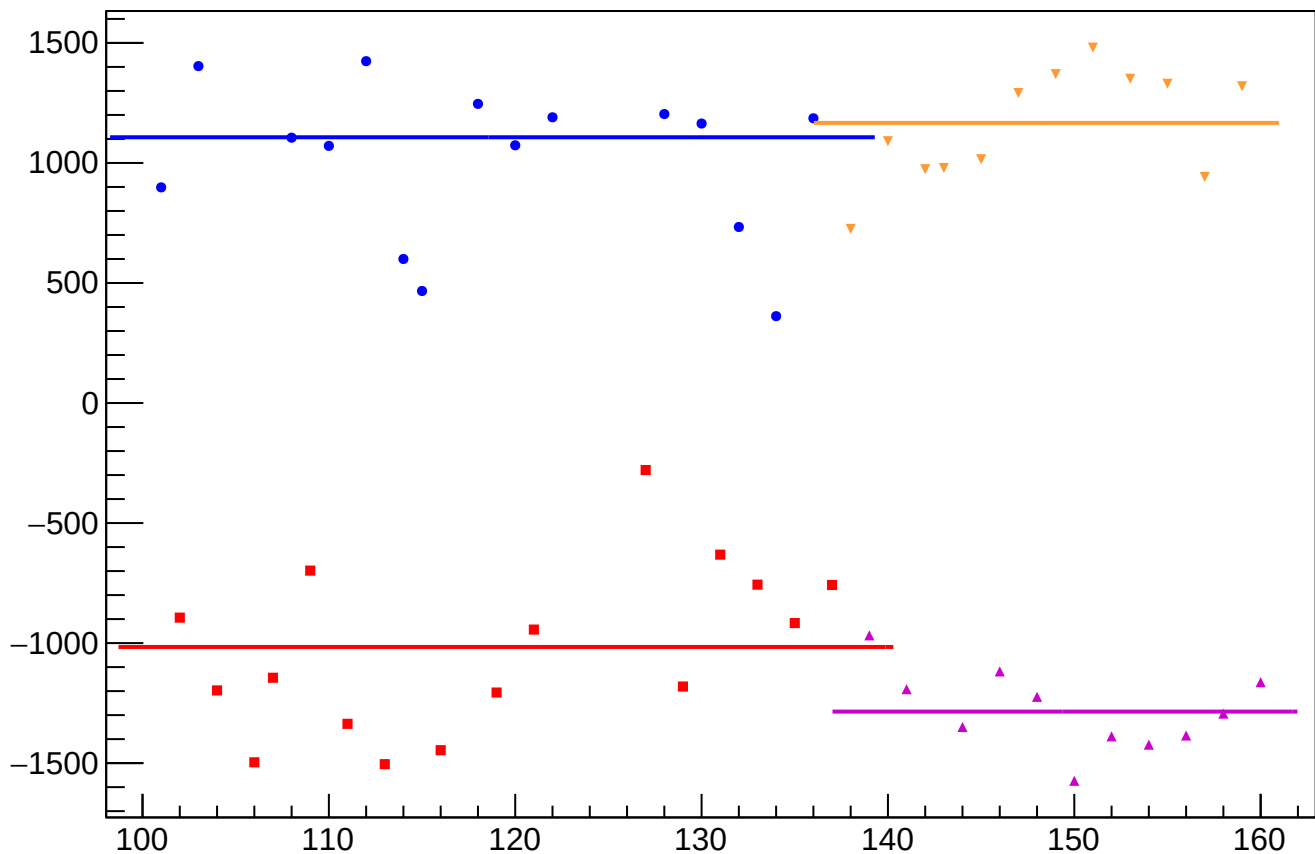
Right In: 195.940 $\pm$ 0.000 χ^2 /NDF: 1057891079869089572370479093183938560.0/14
 Left Out: 173.245 $\pm$ 0.000 χ^2 /NDF: 421189743022312956779621222954565632.0/11
 Right Out: -190.268 $\pm$ 0.000 χ^2 /NDF: 1468473073667973330267084234323656704.0/15
 Left In: -183.290 $\pm$ 0.000 χ^2 /NDF: 101738841511111417821042611832487936.0/10
 All: -3.411 $\pm$ 0.000 χ^2 /NDF: 1105507050353

dit_4eY_coil4_err_mean vs Slug, Sign Corrected



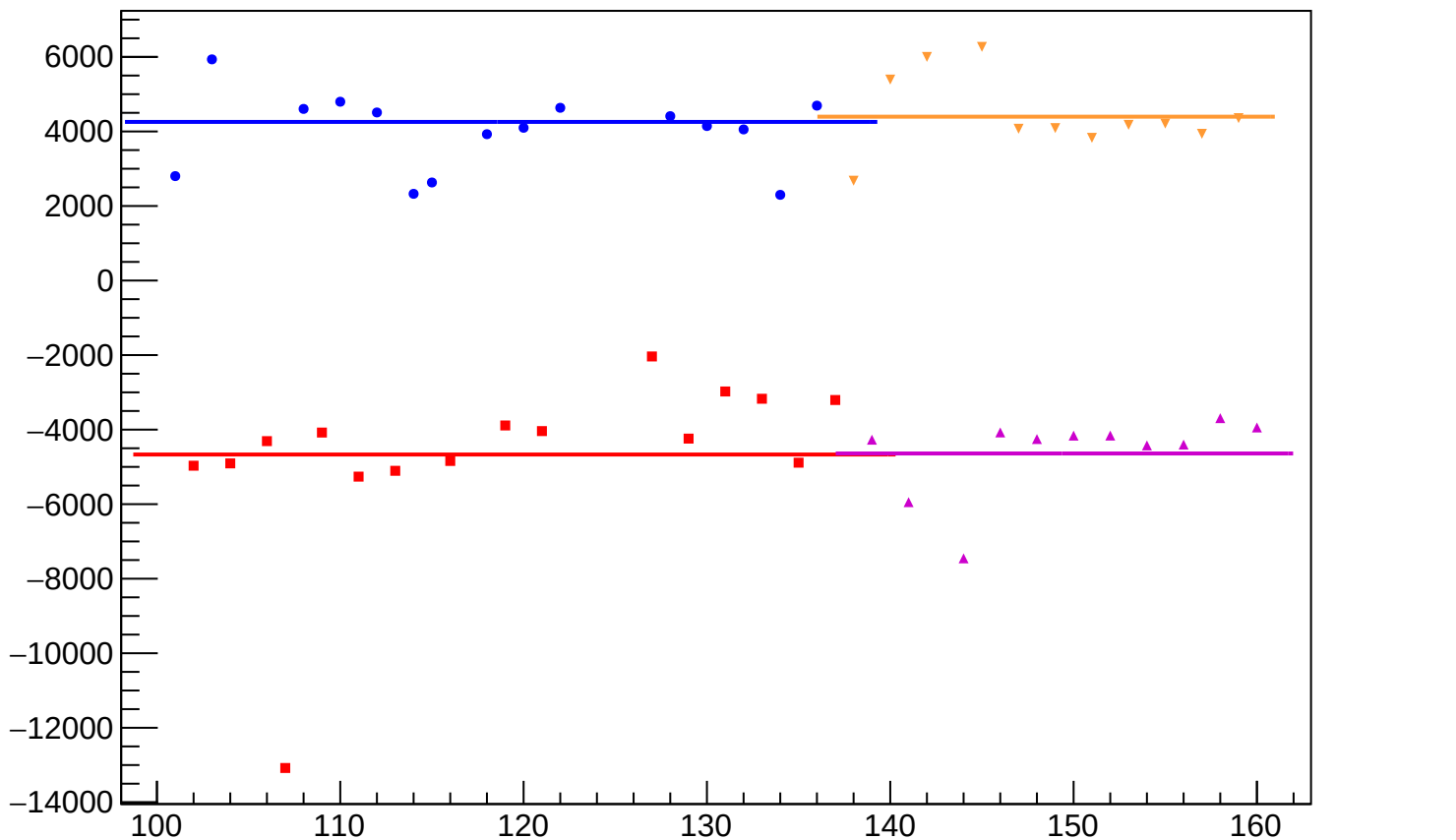
Right In: 1.569+/-0.000 χ^2/NDF : 162849195668123380789610540957696.0/14
 Left Out: 1.190+/-0.000 χ^2/NDF : 50745822936032217336144814145536.0/11
 Right Out: -1.446+/-0.000 χ^2/NDF : 196296653917523352443271052787712.0/15
 Left In: -1.118+/-0.000 χ^2/NDF : 48973496995723480911801365823488.0/10
 All: 0.034+/-0.000 χ^2/NDF : 58987559316177

dit_4eY_coil4_Ndata_mean vs Slug, Sign Corrected



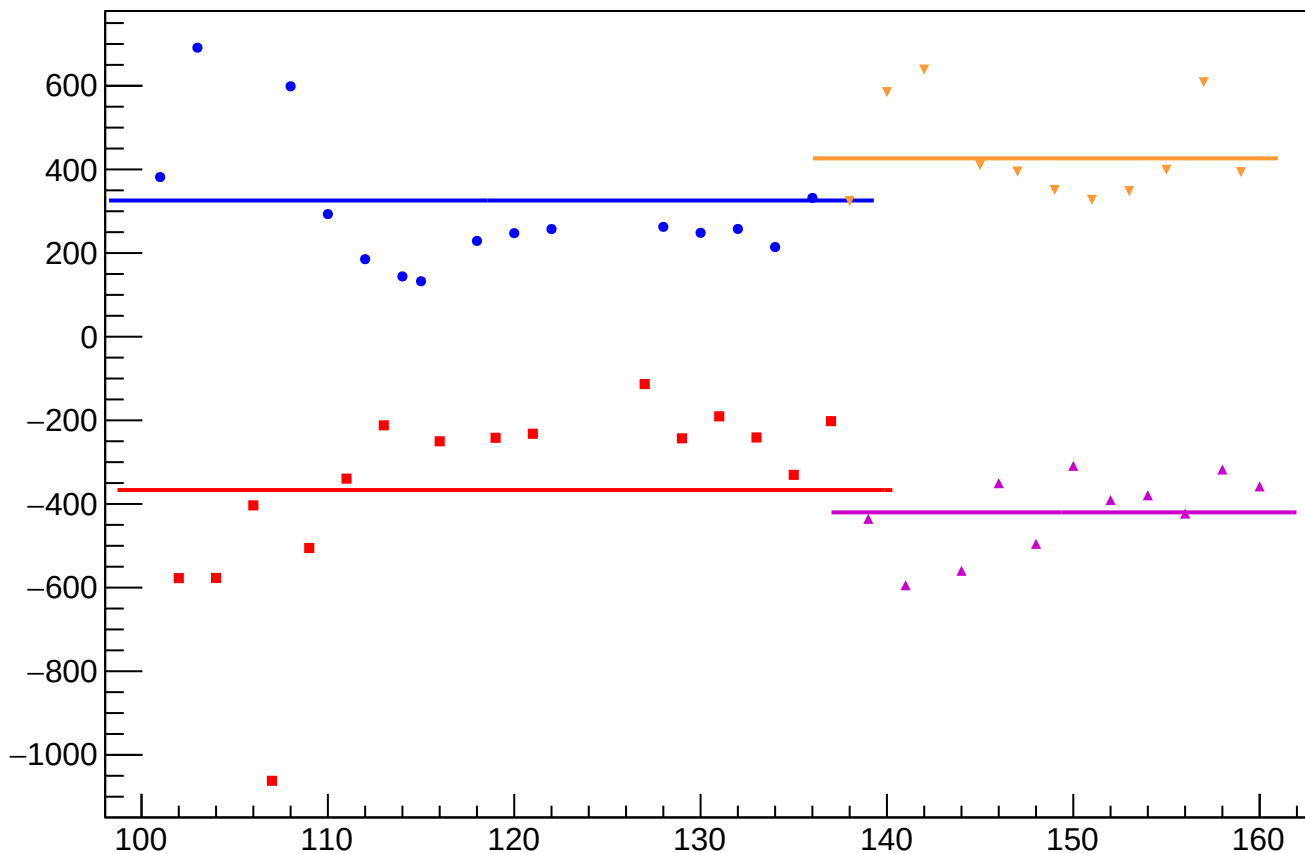
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_usl_coil4_mean vs Slug, Sign Corrected



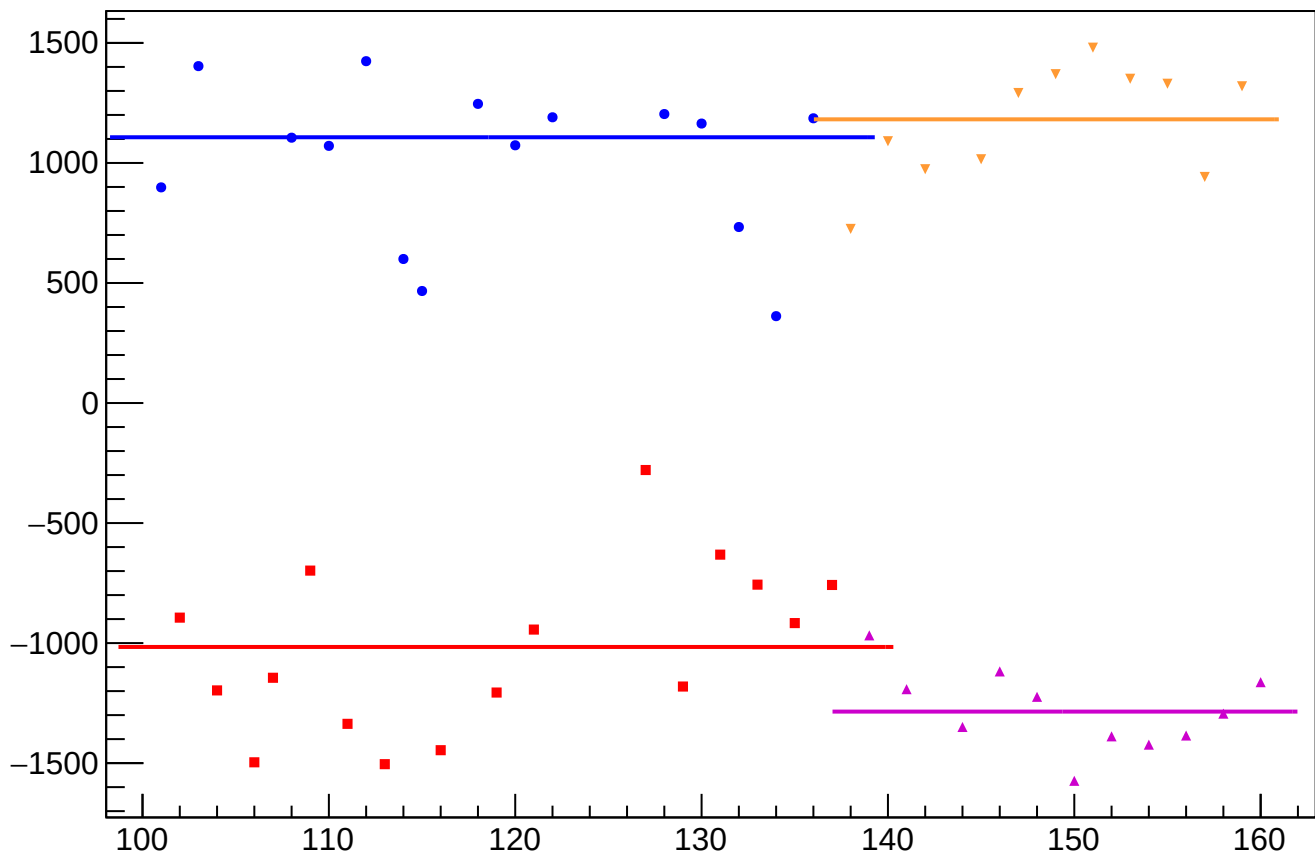
Right In: 4256.386+/-0.000 χ^2/NDF : 498605412551624859672454954159576186880.0/14
 Left Out: 4396.403+/-0.000 χ^2/NDF : 767686308157486440179100240552638021632.0/10
 Right Out: -4667.832+/-0.000 χ^2/NDF : 3201925535782807450320951772159309512704.0/15
 Left In: -4639.846+/-0.000 χ^2/NDF : 1058446303743243170530981239939506634752.0/10
 All: -296.246+/-0.000 χ^2/NDF : 67809743893

dit_usl_coil4_err_mean vs Slug, Sign Corrected



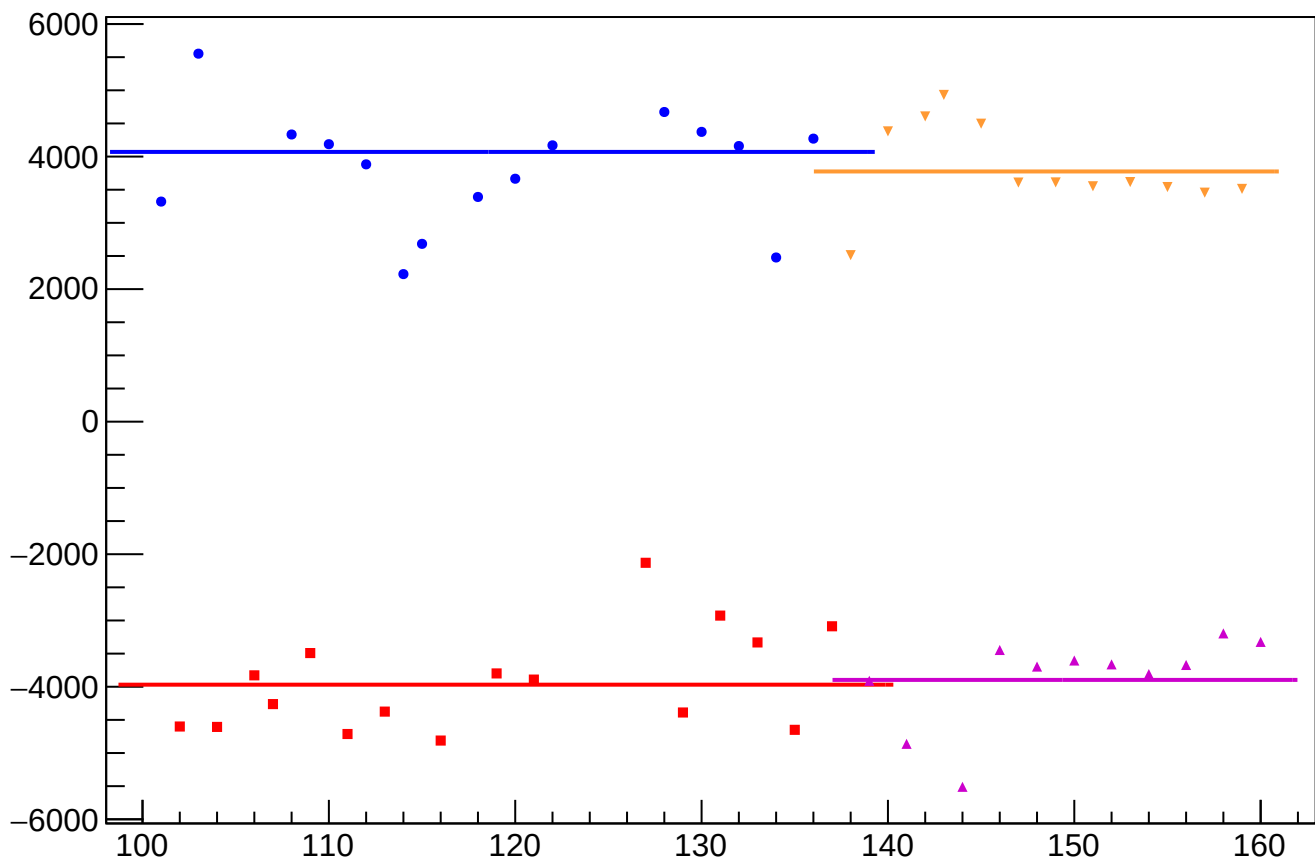
Right In: 325.732 +/- 0.000 χ^2/NDF : 14633359567940244123897242769854300160.0/14
 Left Out: 426.446 +/- 0.000 χ^2/NDF : 9564737566607591468000084323542761472.0/10
 Right Out: -366.682 +/- 0.000 χ^2/NDF : 32097250699947956409117440115398934528.0/15
 Left In: -420.062 +/- 0.000 χ^2/NDF : 7706514276709269263404419491802644480.0/10
 All: -19.474 +/- 0.000 χ^2/NDF : 538446931474

dit_usl_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052 $\pm$ 0.000 χ^2 /NDF: 40633831787810179240542210398269472768.0/14
 Left Out: 1181.721 $\pm$ 0.000 χ^2 /NDF: 42102883856321275256821029062509068288.0/10
 Right Out: -1016.106 $\pm$ 0.000 χ^2 /NDF: 7256766433509192712184310037150171136.0/15
 Left In: -1285.364 $\pm$ 0.000 χ^2 /NDF: 24002572803732345959736048095514853376.0/10
 All: -47.303 $\pm$ 0.000 χ^2 /NDF: 436585203886

dit_usr_coil4_mean vs Slug, Sign Corrected



Right In: 4070.444+/-0.000

Left Out: 3775.469+/-0.000

Right Out: -3968.723+/-0.000

Left In: -3896.757+/-0.000

χ^2/NDF : 343281875282695739956383156295247593472.0/14

χ^2/NDF : 344611737456116155441573311529372090368.0/11

χ^2/NDF : 359955880326194784467353369492594884608.0/15

χ^2/NDF : 412530714584693730225130204014353317888.0/10

Left: -81.515+/-0.000 χ^2/NDF : 2780391490195932

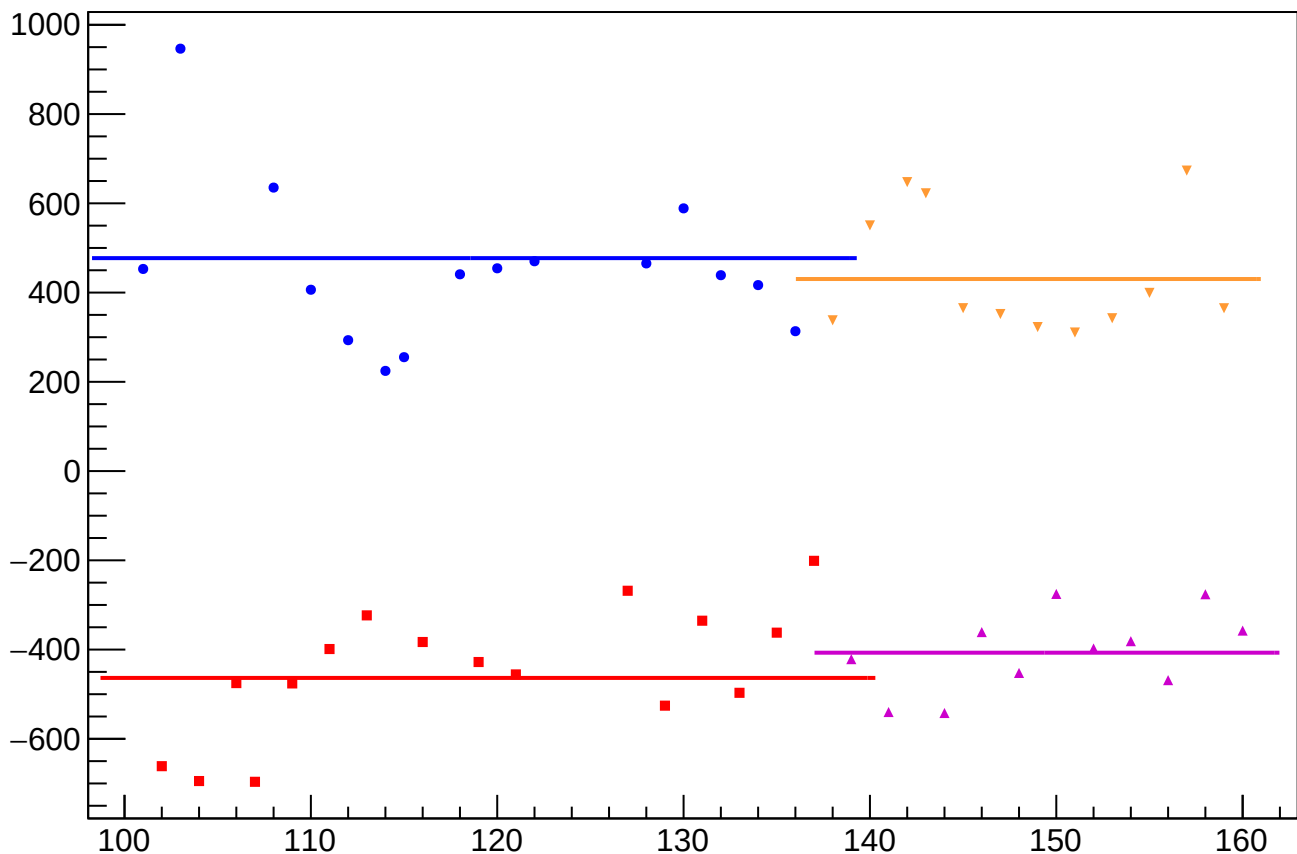
Right: -4.119+/-0.000 χ^2/NDF : 2196193539942721

In: 609.591+/-0.000 χ^2/NDF : 2495492786013162

Out: 508.311+/-0.000 χ^2/NDF : 2383013038851413

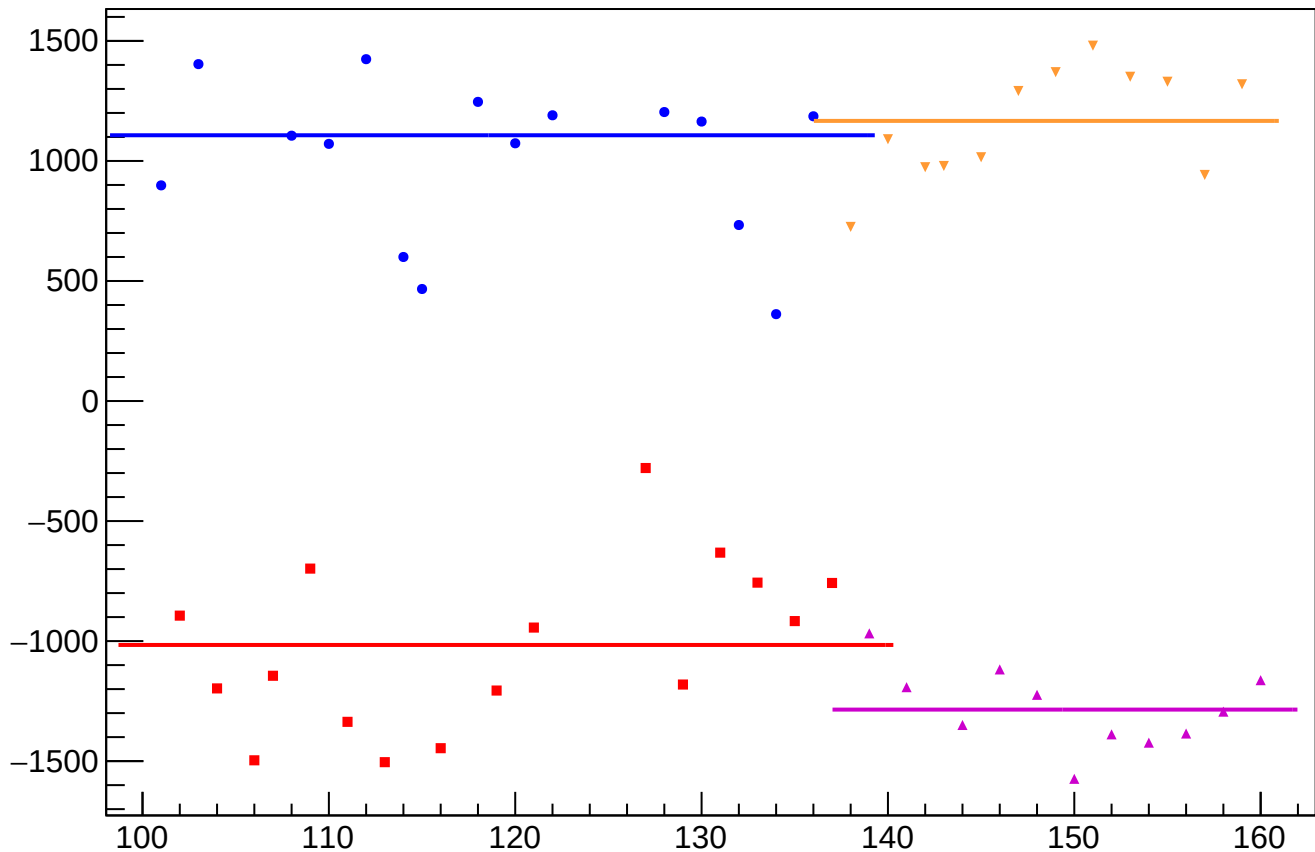
All: -49.222+/-0.000 χ^2/NDF : 497704442491

dit_usr_coil4_err_mean vs Slug, Sign Corrected



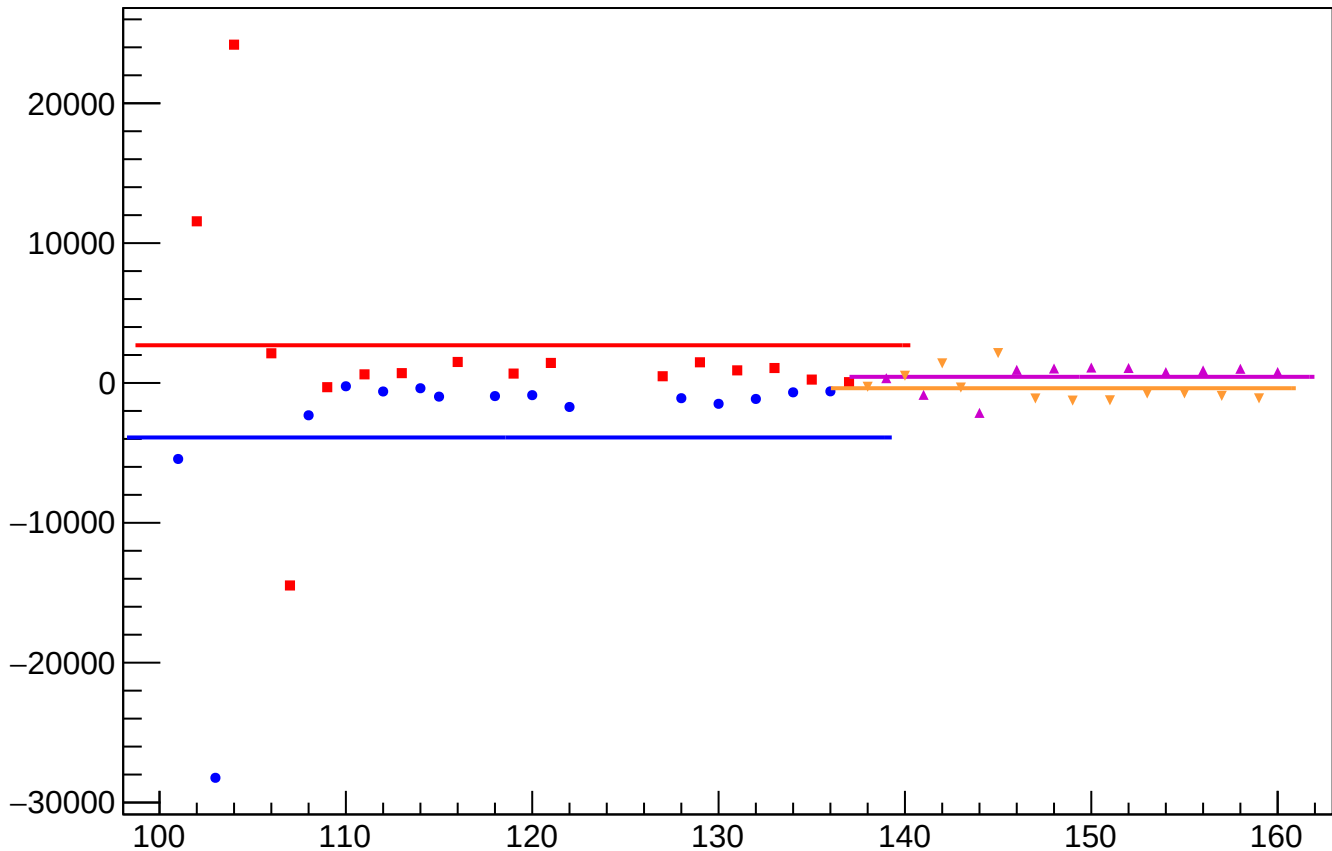
Right In: 477.186 $\pm$ 0.000 χ^2 /NDF: 20455719931758379978892605184974782464.0/14
 Left Out: 430.385 $\pm$ 0.000 χ^2 /NDF: 15124863187063515916775500602167787520.0/11
 Right Out: -463.513 $\pm$ 0.000 χ^2 /NDF: 12556777931069903370031832388184571904.0/15
 Left In: -406.990 $\pm$ 0.000 χ^2 /NDF: 7014219134688394471330081136711827456.0/10
 All: 5.658 $\pm$ 0.000 χ^2 /NDF: 66848676133618

dit_usr_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_atl1_coil4_mean vs Slug, Sign Corrected



Right In: -3896.522+/-0.000

χ^2/NDF : 39618598516481020448248440670012984786944.0/14

Left Out: -375.430+/-0.000

χ^2/NDF : 958630071854954411455962799285737619456.0/11

Right Out: 2695.992+/-0.000

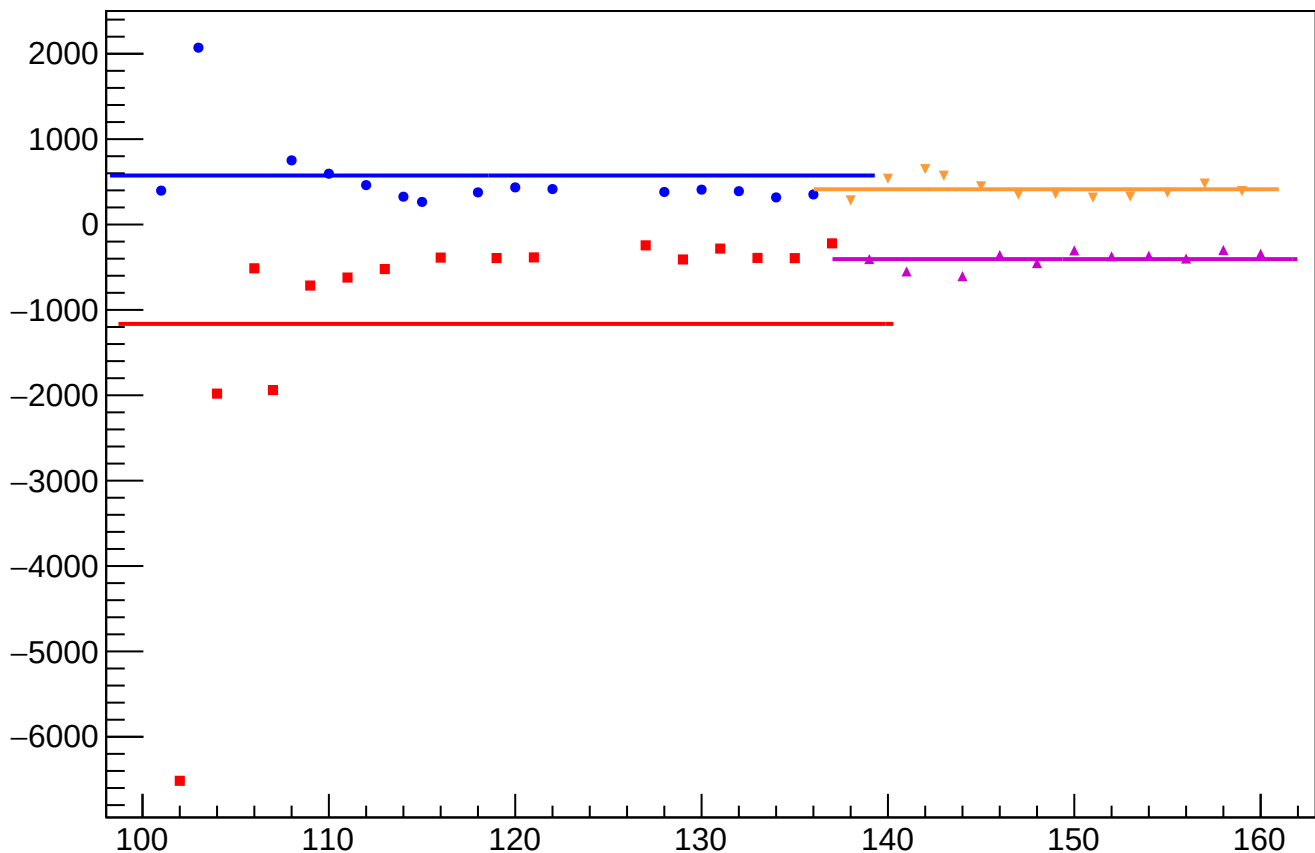
χ^2/NDF : 40822463071462352124212058386591729582080.0/15

Left In: 439.289+/-0.000

χ^2/NDF : 921031566733723872829454078558930468864.0/10

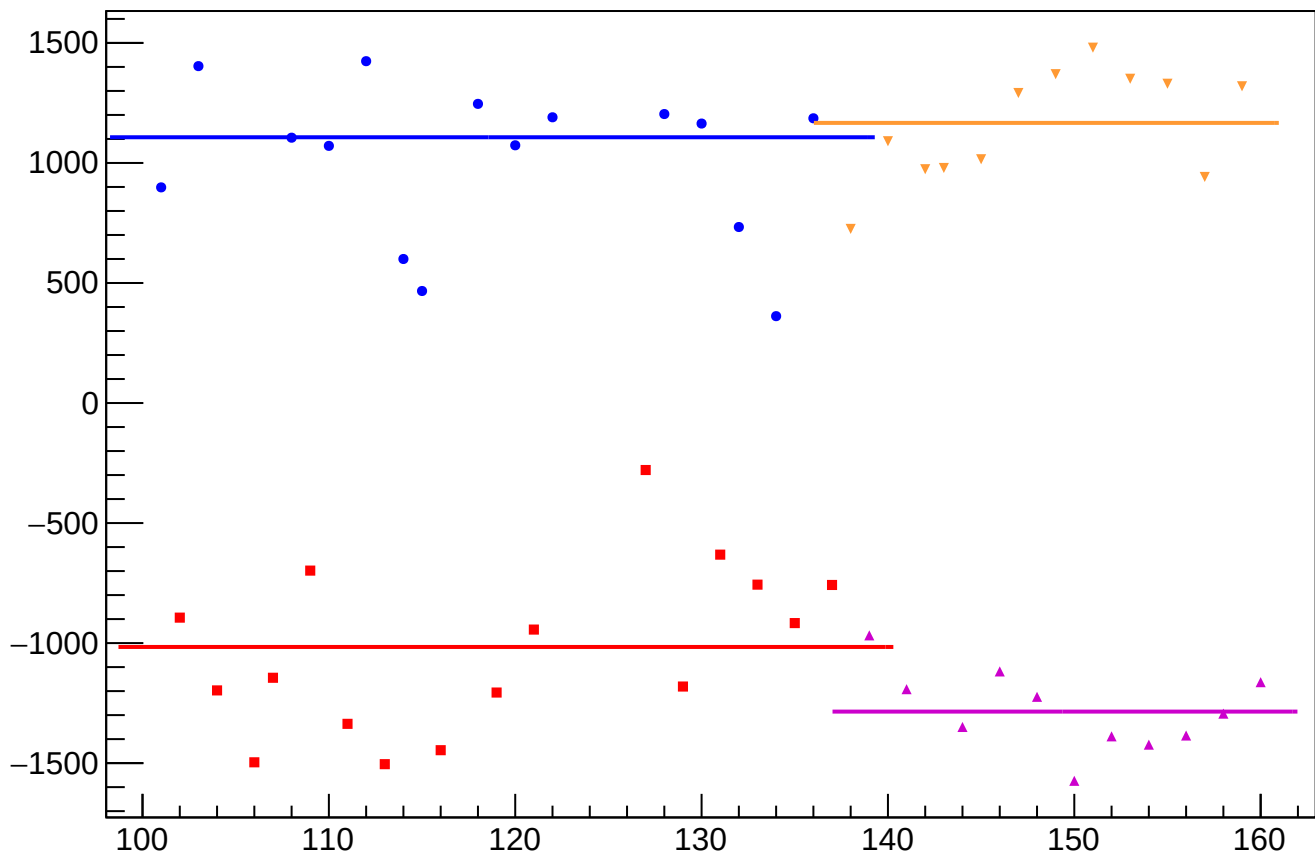
All: -211.749+/-0.000 χ^2/NDF : 97188137344

dit_atl1_coil4_err_mean vs Slug, Sign Corrected



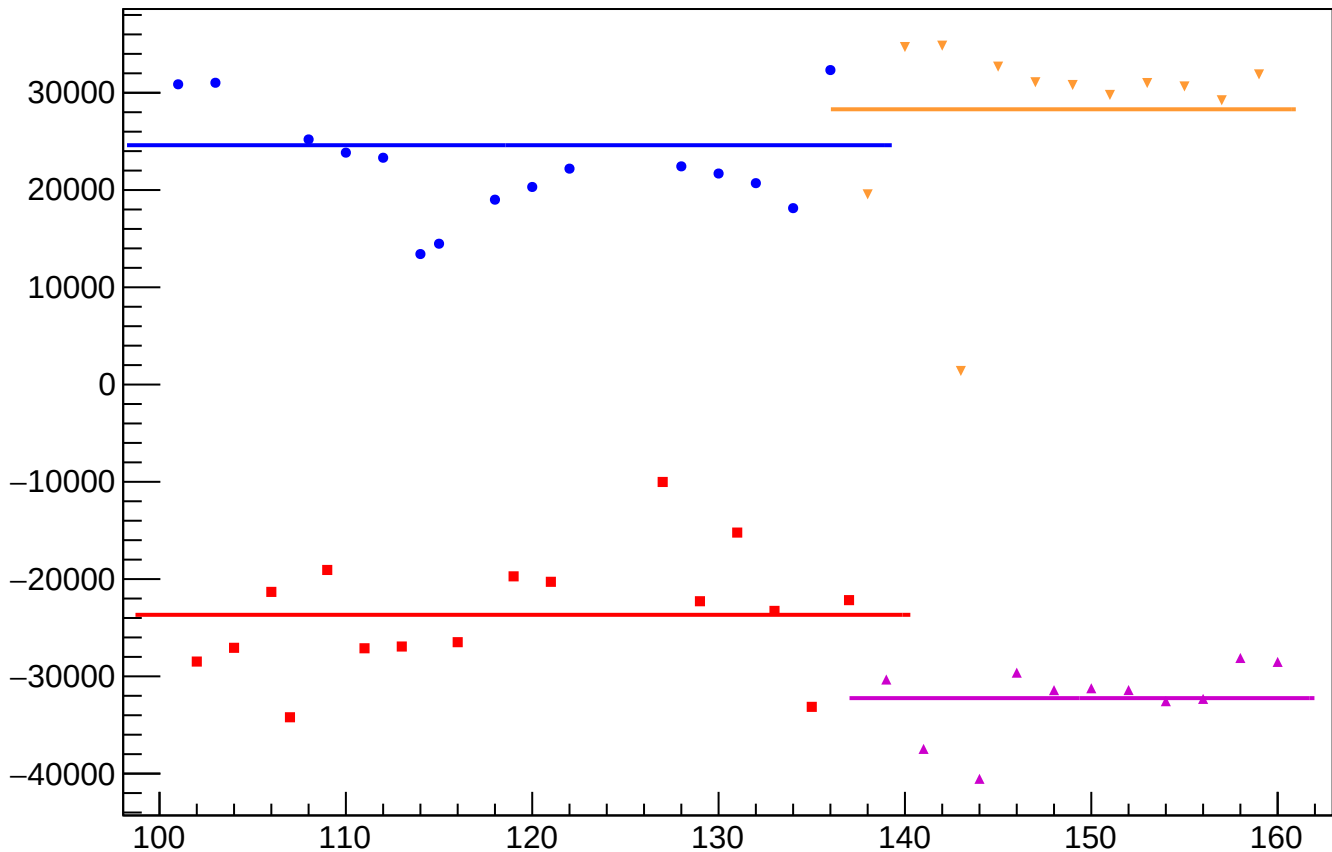
Right In: 574.055+/-0.000 χ^2/NDF : 152105229889160423018493709582390525952.0/14
 Left Out: 413.017+/-0.000 χ^2/NDF : 9379796802385704003508317238748774400.0/11
 Right Out: -1163.697+/-0.000 χ^2/NDF : 2003194396475465337190154787515183136768.0/15
 Left In: -405.371+/-0.000 χ^2/NDF : 8096374045117906535343483577494929408.0/10
 All: -127.041+/-0.000 χ^2/NDF : 35467372325

dit_atl1_coil4_Ndata_mean vs Slug, Sign Corrected



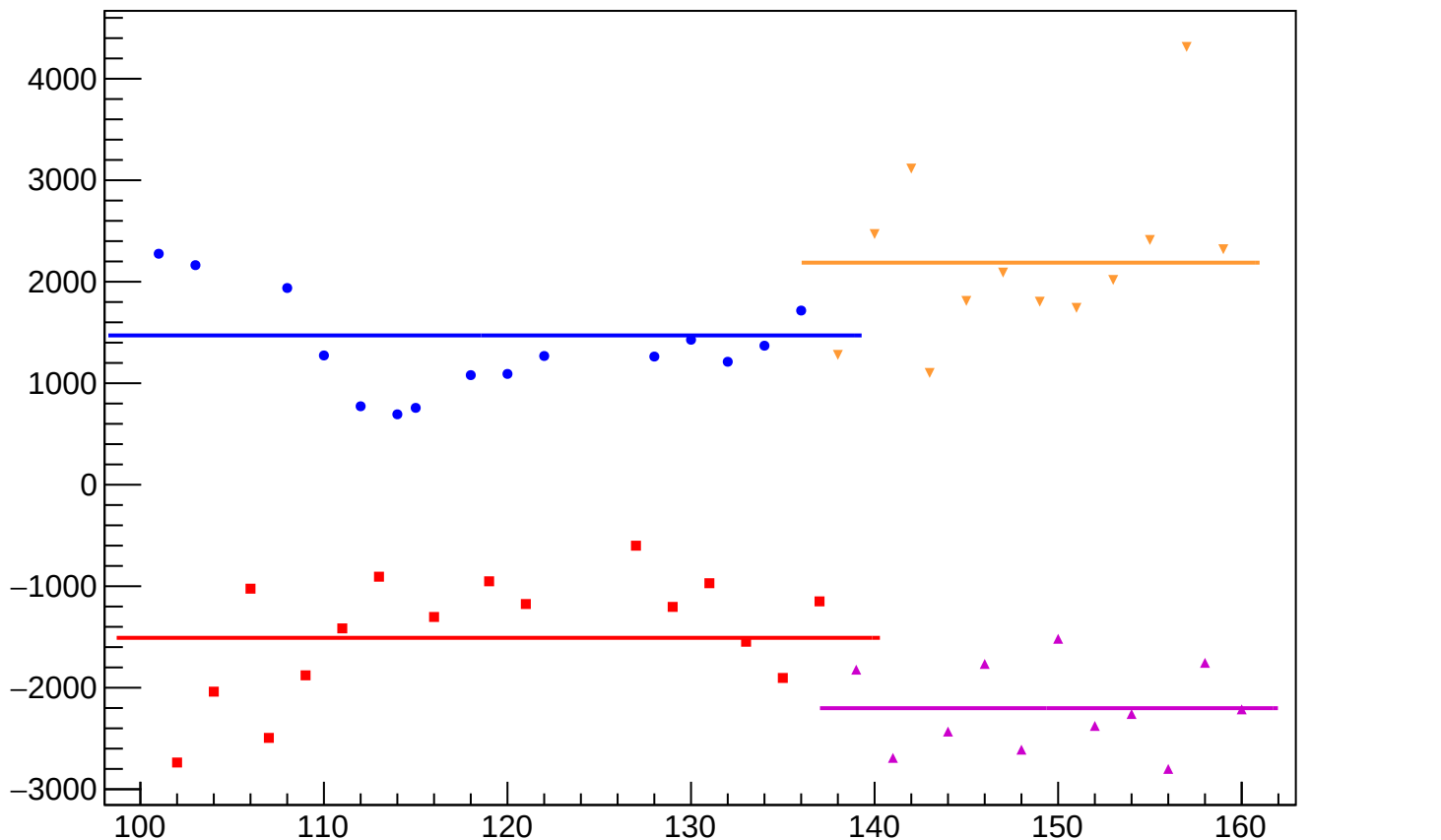
Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869+/-0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499+/-0.000 χ^2/NDF : 443493791328

dit_atl2_coil4_mean vs Slug, Sign Corrected



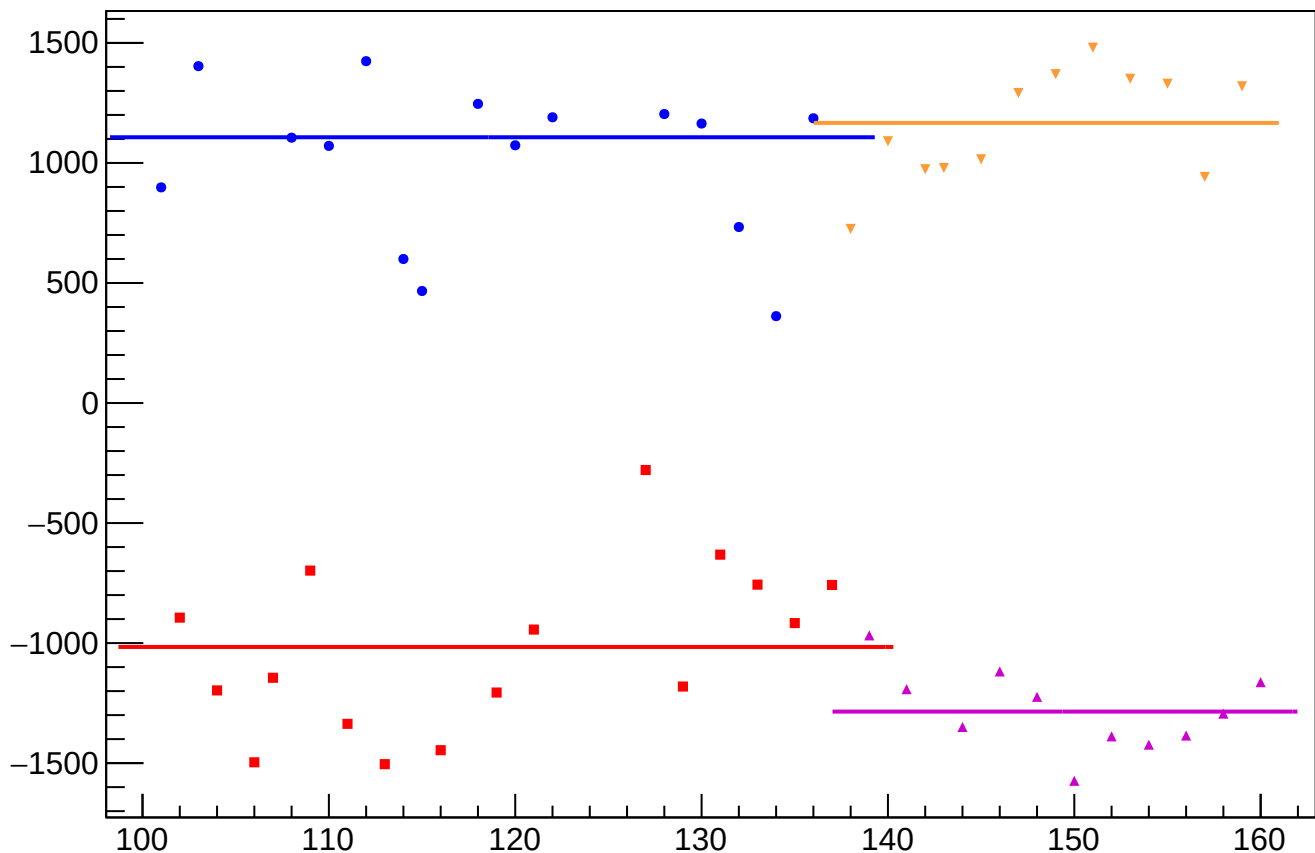
Right In: 24608.761+/-0.000 χ^2/NDF : 17555600427140701787636759084167268925440.0/14
 Left Out: 28302.359+/-0.000 χ^2/NDF : 64743960576526073147852789326823934656512.0/11
 Right Out: -23673.937+/-0.000 χ^2/NDF : 24824229344827567313624871677295341862912.0/15
 Left In: -32239.303+/-0.000 χ^2/NDF : 11931397875663177142812829998803541032960.0/10
 All: -1185.856+/-0.000 χ^2/NDF : 2573988051

dit_atl2_coil4_err_mean vs Slug, Sign Corrected



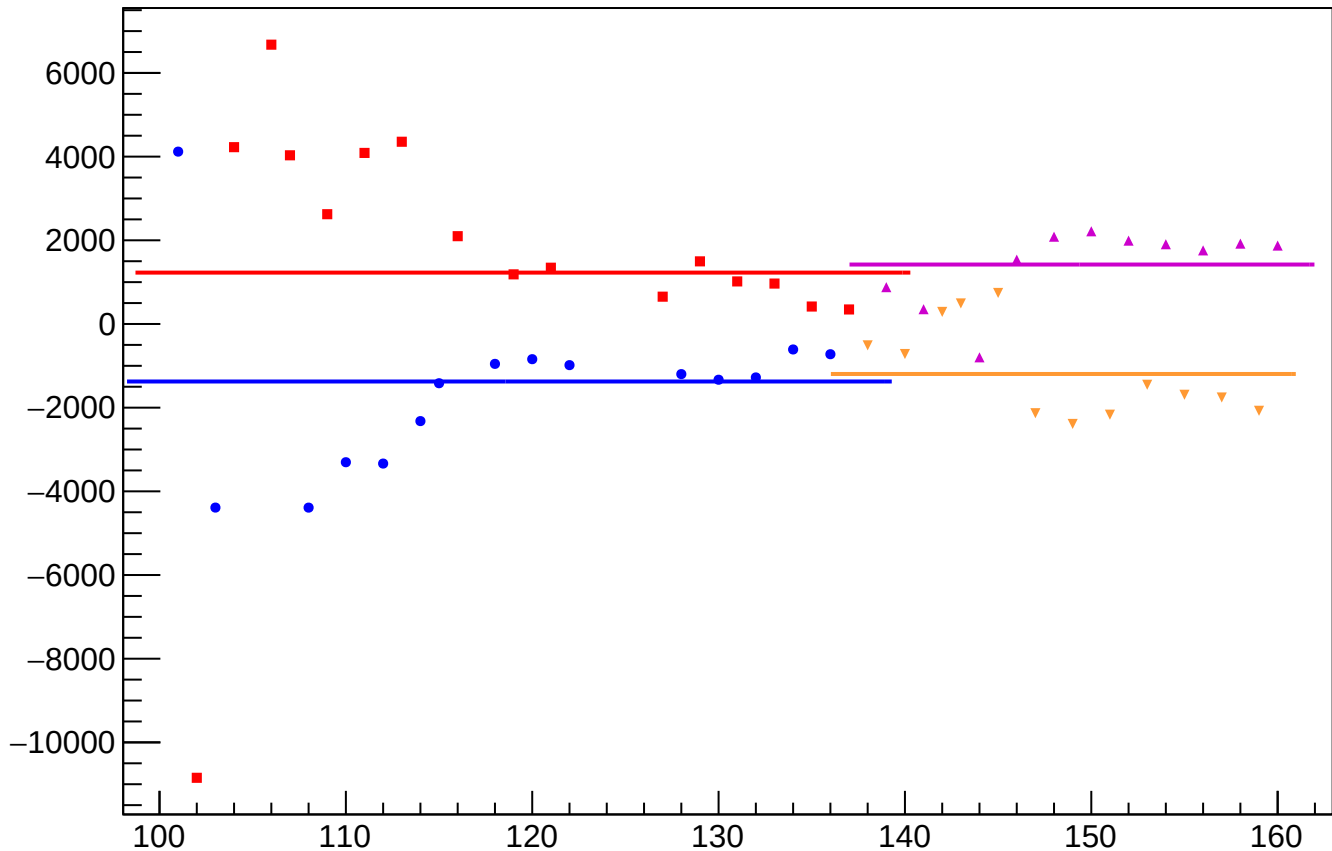
Right In: 1471.095+/-0.000 χ^2/NDF : 139174979420467841073894167956452016128.0/14
 Left Out: 2188.131+/-0.000 χ^2/NDF : 593858516090535186702207521640824176640.0/11
 Right Out: -1508.451+/-0.000 χ^2/NDF : 250085163770425050605763446985715613696.0/15
 Left In: -2201.571+/-0.000 χ^2/NDF : 156929124179690930619030229097962799104.0/10
 All: -27.171+/-0.000 χ^2/NDF : 129146441419

dit_atl2_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_atr1_coil4_mean vs Slug, Sign Corrected



Right In: -1374.510+/-0.000

Left Out: -1194.978+/-0.000

Right Out: 1227.879+/-0.000

Left In: 1420.806+/-0.000

χ^2/NDF : 3072775774026573120755024580495322120192.0/14

χ^2/NDF : 1012982164343735644721296583058593415168.0/11

χ^2/NDF : 11115312999926623396466450218448622452736.0/15

χ^2/NDF : 747987085785920162637916932217361137664.0/10

Left: 120.030+/-0.000 χ^2/NDF : 4904926728039627

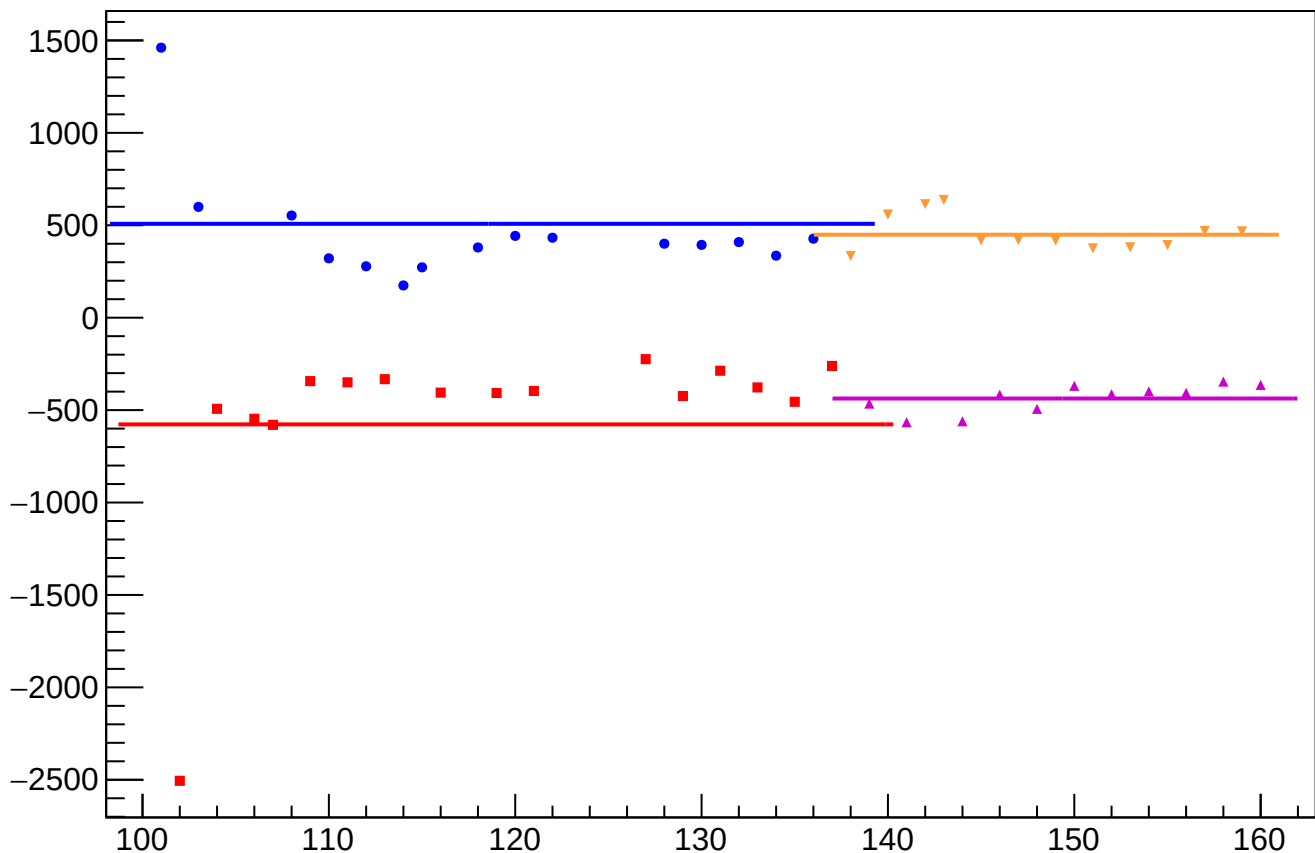
Right: -55.518+/-0.000 χ^2/NDF : 164158010761557

In: 267.494+/-0.000 χ^2/NDF : 67996212905624210

Out: -172.811+/-0.000 χ^2/NDF : 143918754957920

All: 46.783+/-0.000 χ^2/NDF : 2134436142325

dit_atr1_coil4_err_mean vs Slug, Sign Corrected



Right In: 507.809+/-0.000

χ^2/NDF : 64139927968444054596859613468220719104.0/14

Left Out: 448.905+/-0.000

χ^2/NDF : 6972444969041725929744111494148128768.0/11

Right Out: -577.250+/-0.000

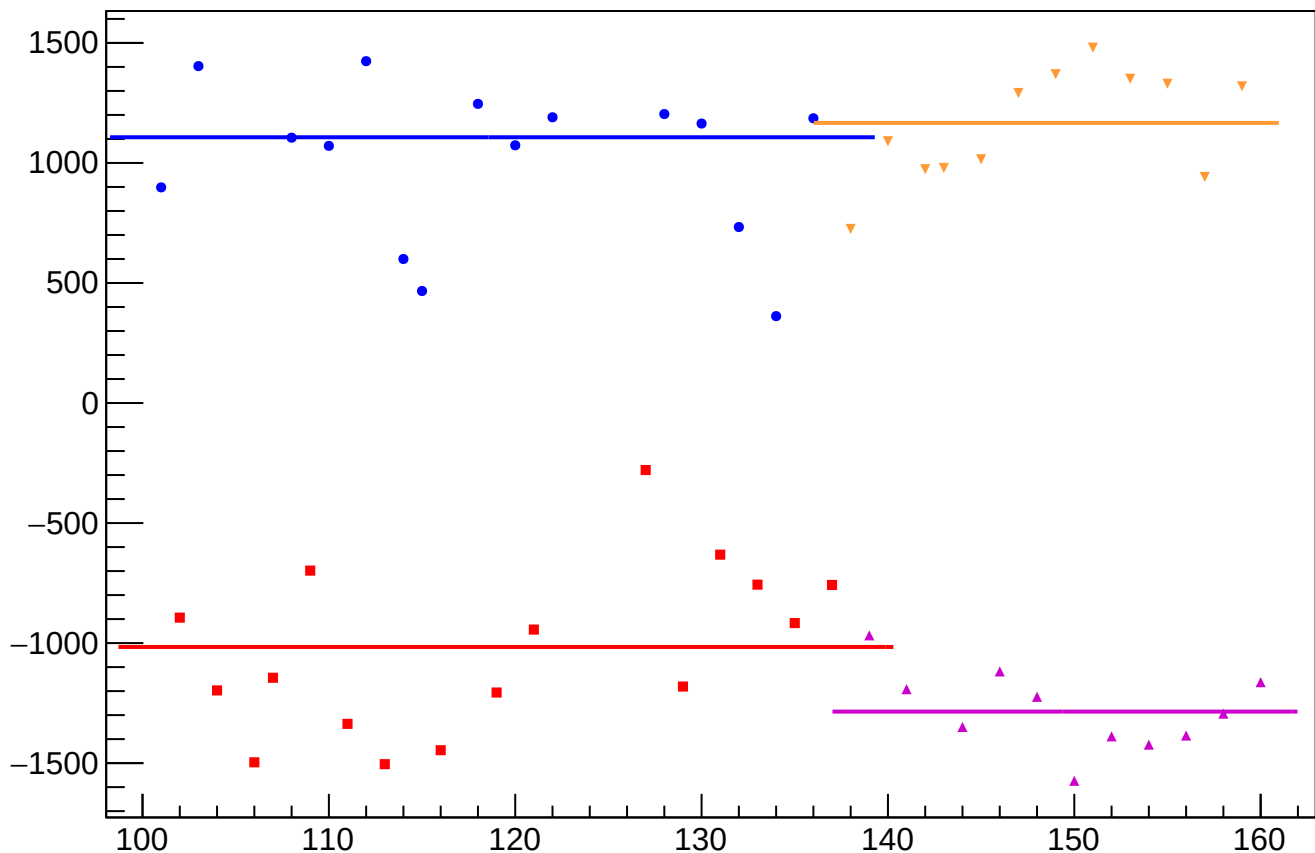
χ^2/NDF : 241288780642623391683958641535574081536.0/15

Left In: -437.315+/-0.000

χ^2/NDF : 4874677524968742275560761293986070528.0/10

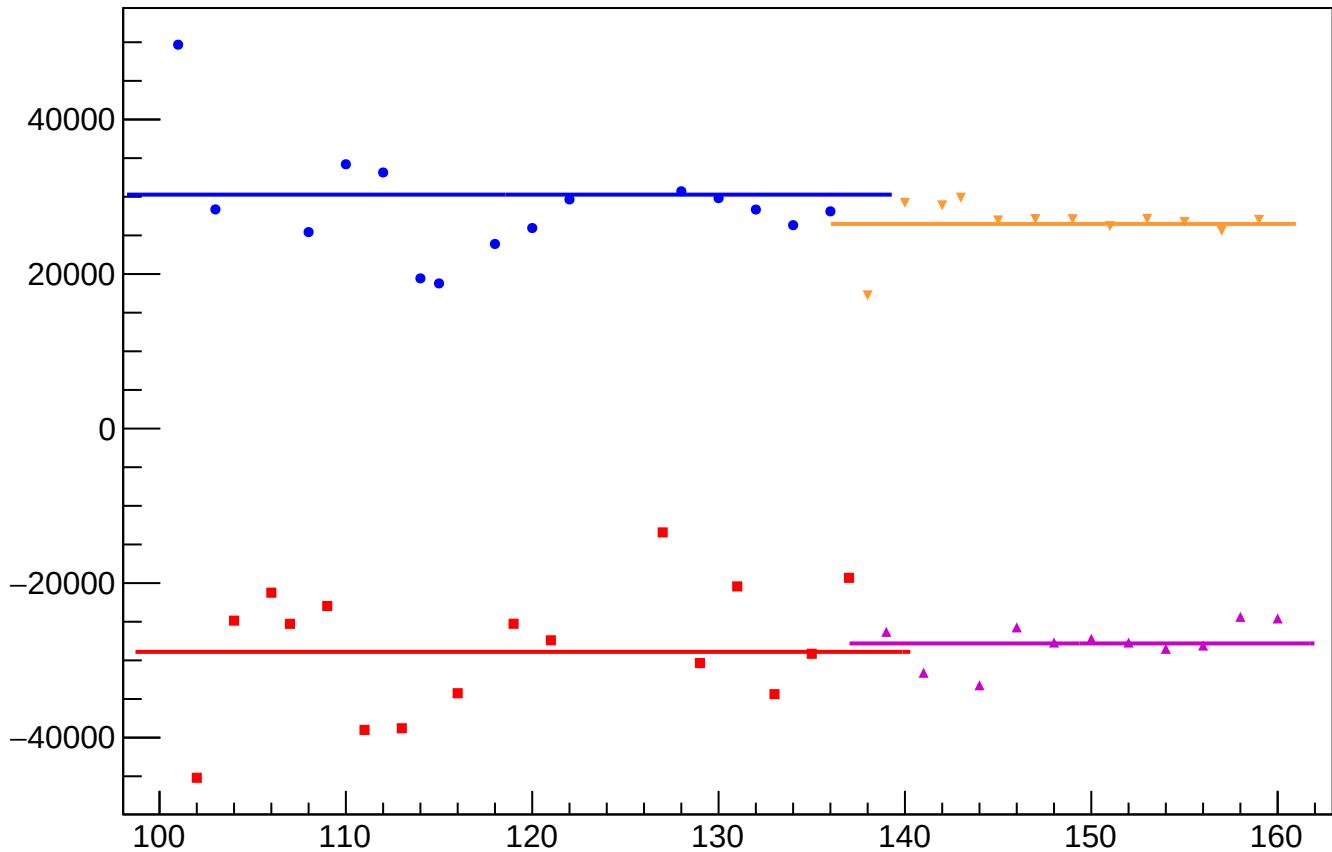
All: -15.611+/-0.000 χ^2/NDF : 106701634148

dit_atr1_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052 +/- 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869 +/- 0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106 +/- 0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364 +/- 0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499 +/- 0.000 χ^2/NDF : 443493791328

dit_atr2_coil4_mean vs Slug, Sign Corrected



Right In: 30277.649+/-0.000

χ^2/NDF : 30975974641524142453090022540760519278592.0/14

Left Out: 26486.725+/-0.000

χ^2/NDF : 8520993483340987429131750717035884052480.0/11

Right Out: -28896.318+/-0.000

χ^2/NDF : 46969504058010359146250560228409714147328.0/15

Left In: -27807.237+/-0.000

χ^2/NDF : 6193058620219899678835139815803642183680.0/10

Left: -807.954+/-0.000 χ^2/NDF : 136920382018106

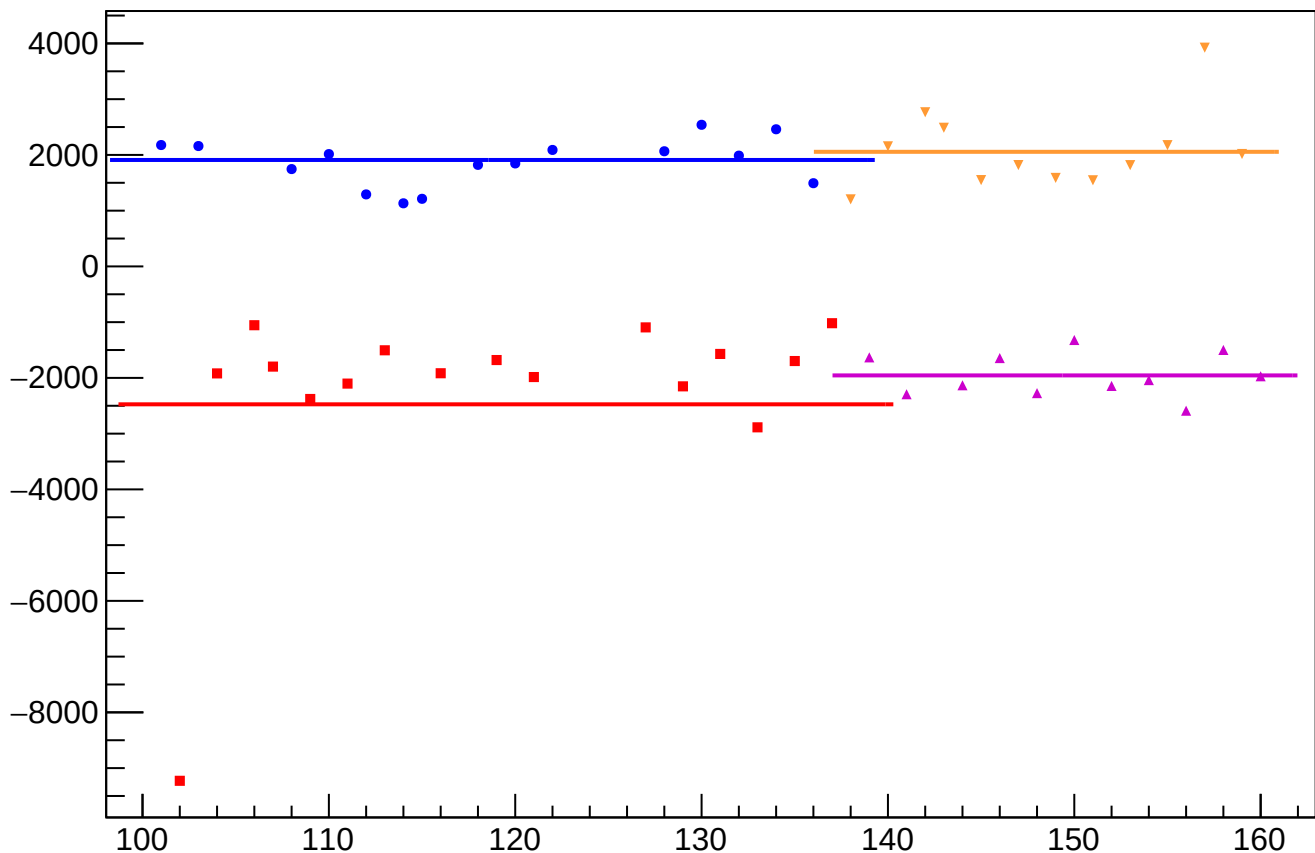
Right: 285.980+/-0.000 χ^2/NDF : 122974265906167

In: -3842.144+/-0.000 χ^2/NDF : 132338595511608

Out: 3121.457+/-0.000 χ^2/NDF : 123824278408227

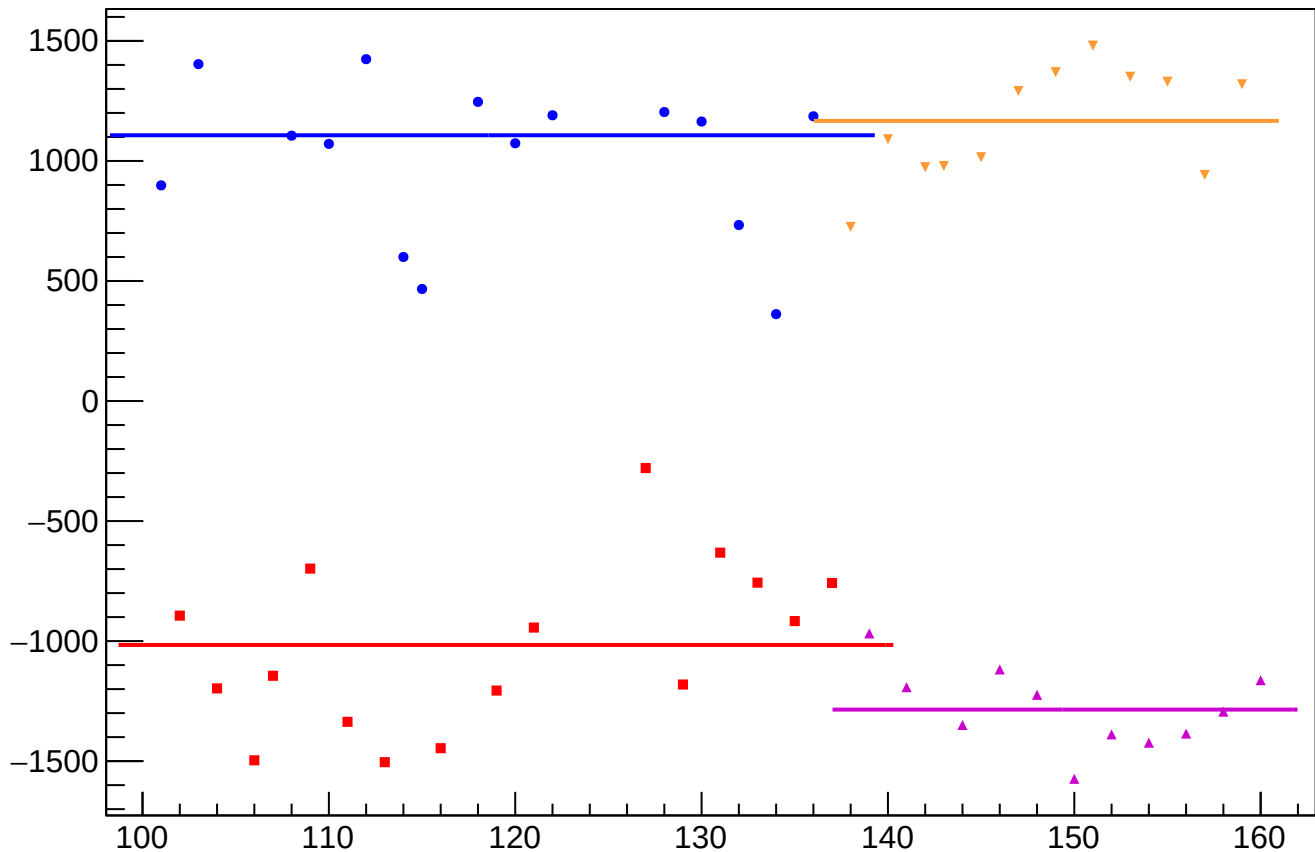
All: -351.512+/-0.000 χ^2/NDF : 25998642244

dit_atr2_coil4_err_mean vs Slug, Sign Corrected



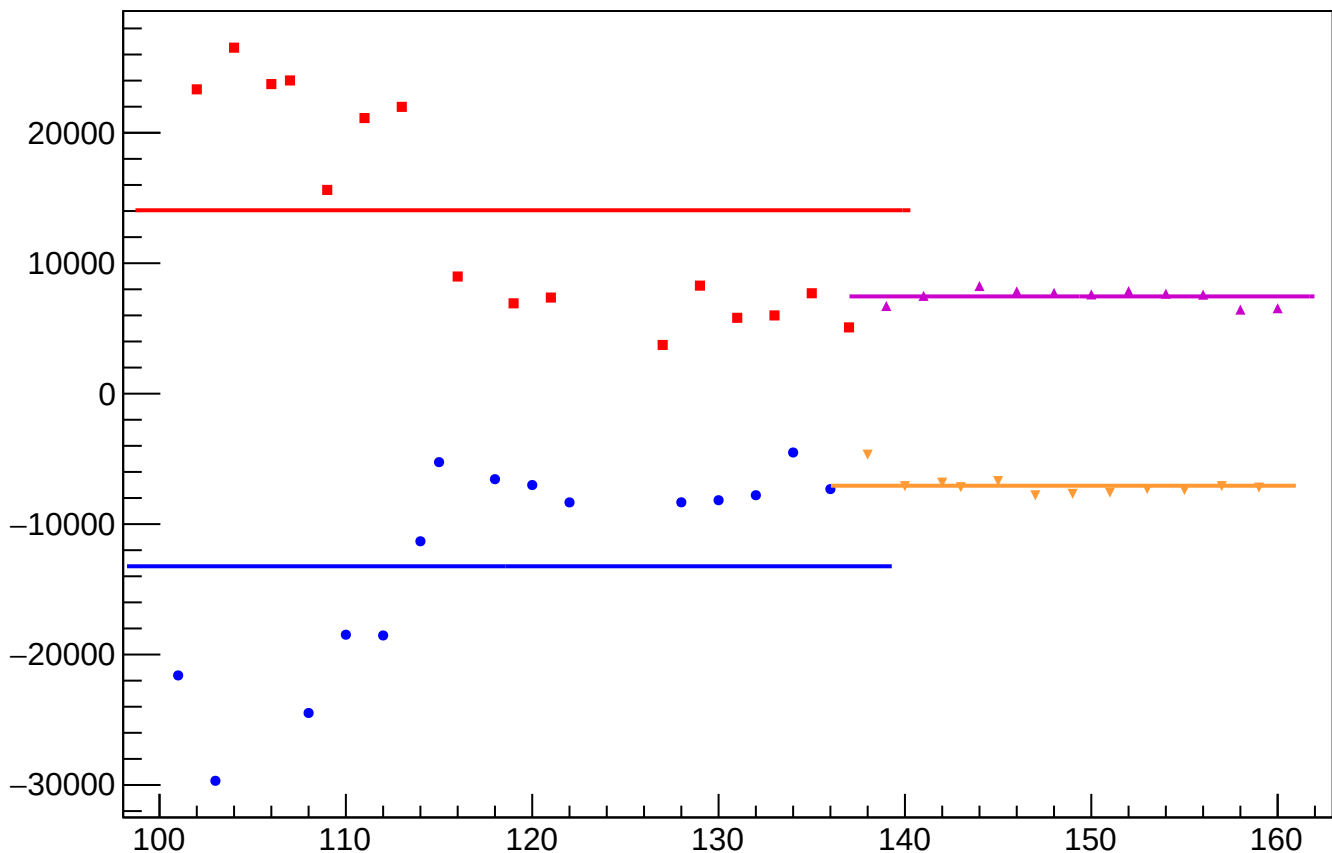
Right In: 1909.434+/-0.000 χ^2/NDF : 87636974094211671524177650165869445120.0/14
 Left Out: 2055.788+/-0.000 χ^2/NDF : 438010168588723075505721290768963862528.0/11
 Right Out: -2473.977+/-0.000 χ^2/NDF : 3033908025746418121738753286600386412544.0/15
 Left In: -1955.312+/-0.000 χ^2/NDF : 126909052383838166035294082177347616768.0/10
 All: -107.368+/-0.000 χ^2/NDF : 17494221106

dit_atr2_coil4_Ndata_mean vs Slug, Sign Corrected



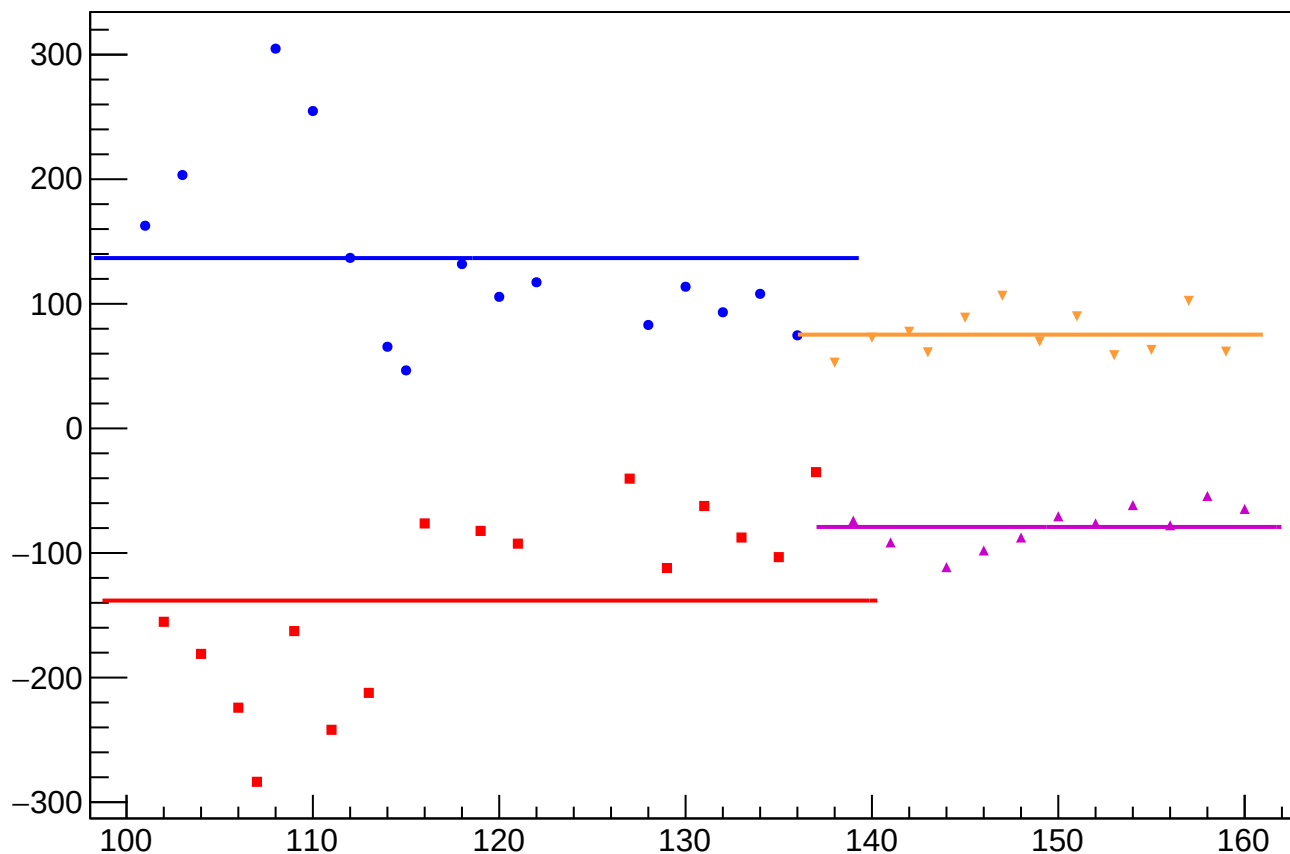
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_sam1_coil4_mean vs Slug, Sign Corrected



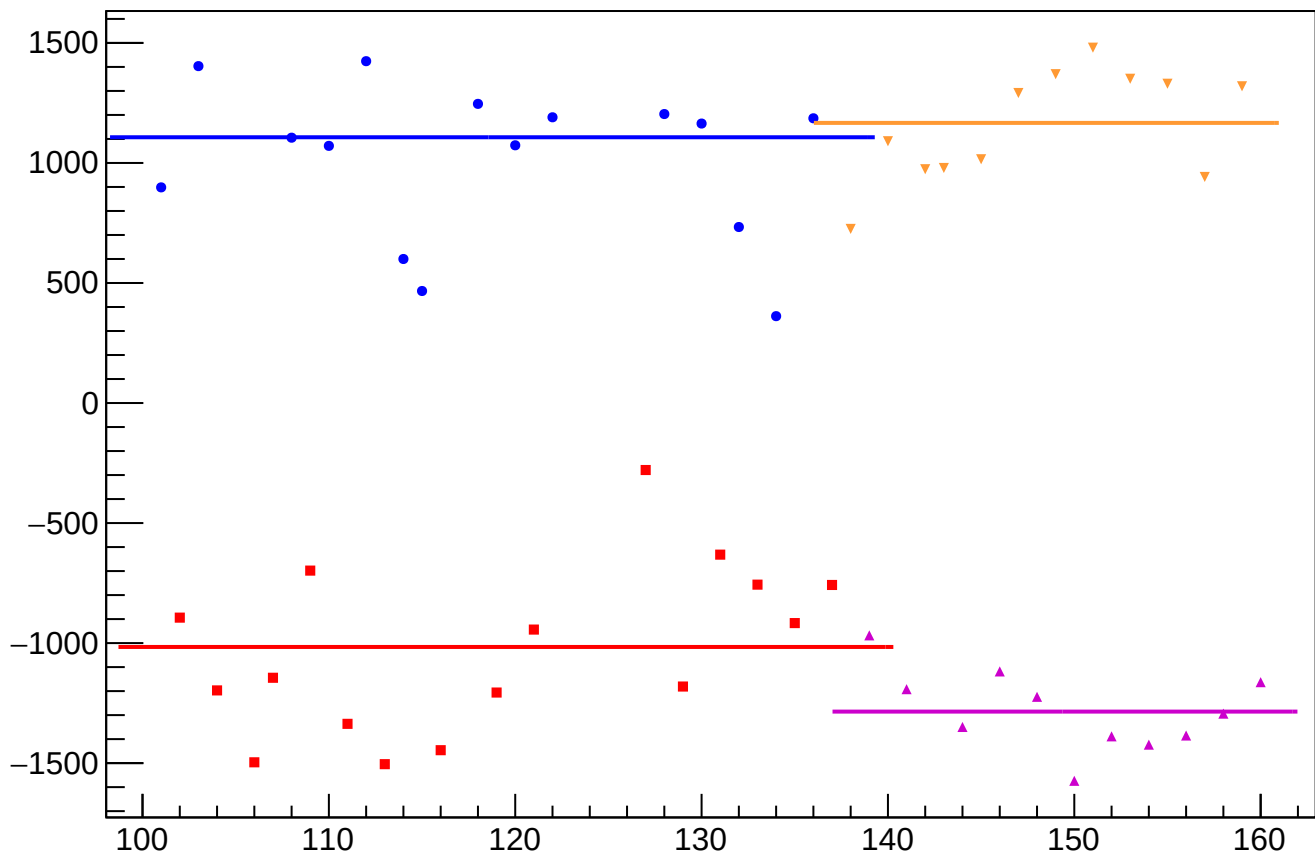
Left: 238.790+/-0.000 χ^2/NDF : 9764033800523105
 Right In: -13233.367+/-0.000 χ^2/NDF : 41257043836213043367596866559499640504320.0/14
 Right: 600.026+/-0.000 χ^2/NDF : 330784909470012
 Left Out: -7057.509+/-0.000 χ^2/NDF : 567022768290026836186795118569021505536.0/11
 In: -1080.099+/-0.000 χ^2/NDF : 204729341611961
 Right Out: 14060.103+/-0.000 χ^2/NDF : 44490594754280161766405556915711386845184.0/15
 Out: 1851.692+/-0.000 χ^2/NDF : 217018548162785
 Left In: 7456.124+/-0.000 χ^2/NDF : 284554324589778558842129447316923351040.0/10
 All: 389.515+/-0.000 χ^2/NDF : 428525321735

dit_sam1_coil4_err_mean vs Slug, Sign Corrected



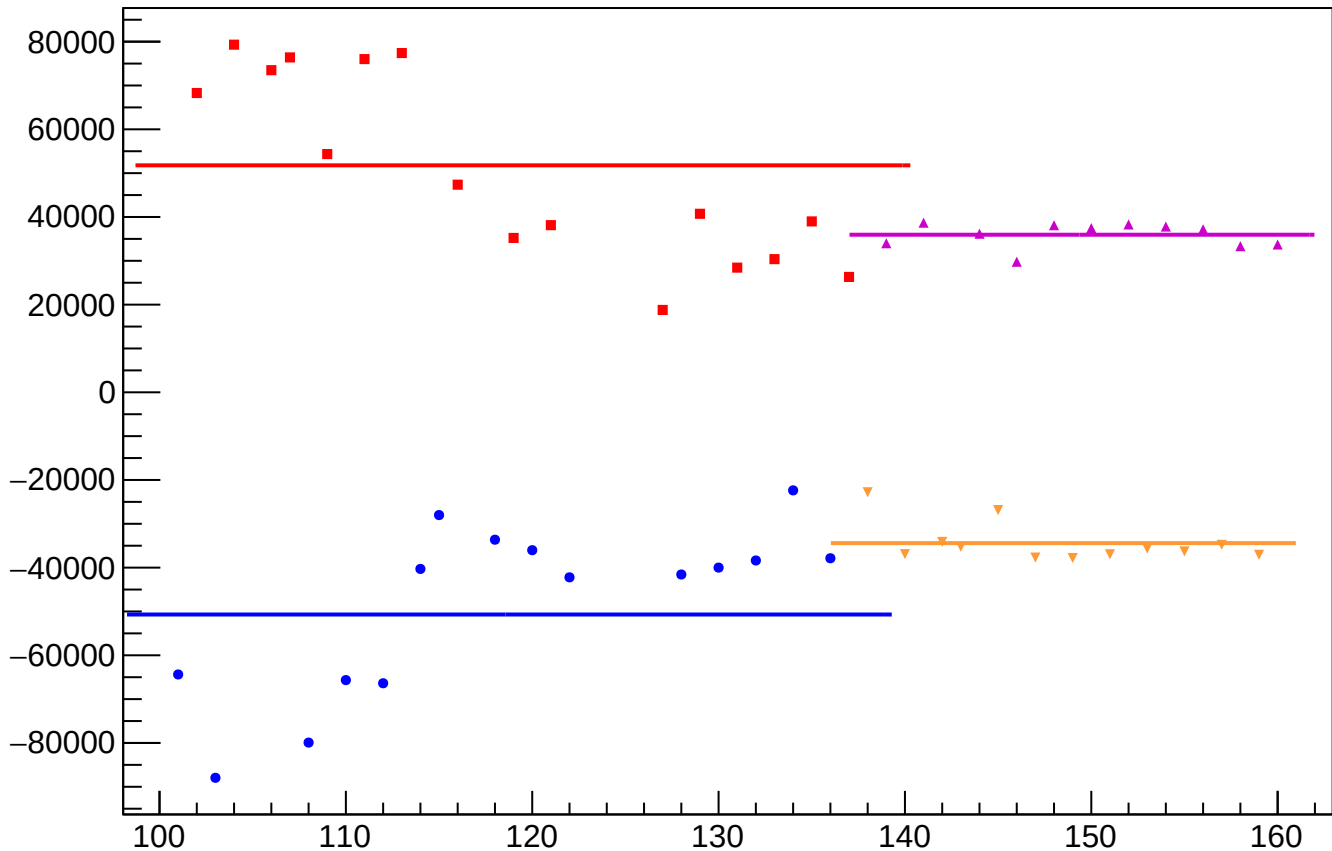
Right In: 136.711+/-0.000 χ^2/NDF : 2687065030885227126291764267456659456.0/14
 Left Out: 75.280+/-0.000 χ^2/NDF : 271565230291715258223184233837363200.0/11
 Right Out: -138.179+/-0.000 χ^2/NDF : 3230883352878636334641613561898467328.0/15
 Left In: -79.096+/-0.000 χ^2/NDF : 243975342218114768326270780809674752.0/10
 All: -2.448+/-0.000 χ^2/NDF : 4224006616846

dit_sam1_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_sam2_coil4_mean vs Slug, Sign Corrected



Right In: -50695.424+/-0.000

Left Out: -34404.656+/-0.000

Right Out: 51783.912+/-0.000

Left In: 35949.660+/-0.000

χ^2/NDF : 226613585253908576683077761132188355526656.0/14

χ^2/NDF : 18820007226442898256054839449855820038144.0/11

χ^2/NDF : 281789617729131996271154198472617478848512.0/15

χ^2/NDF : 6535777806152232441815832130596699635712.0/10

Left: 963.890+/-0.000 χ^2/NDF : 2299689310411856

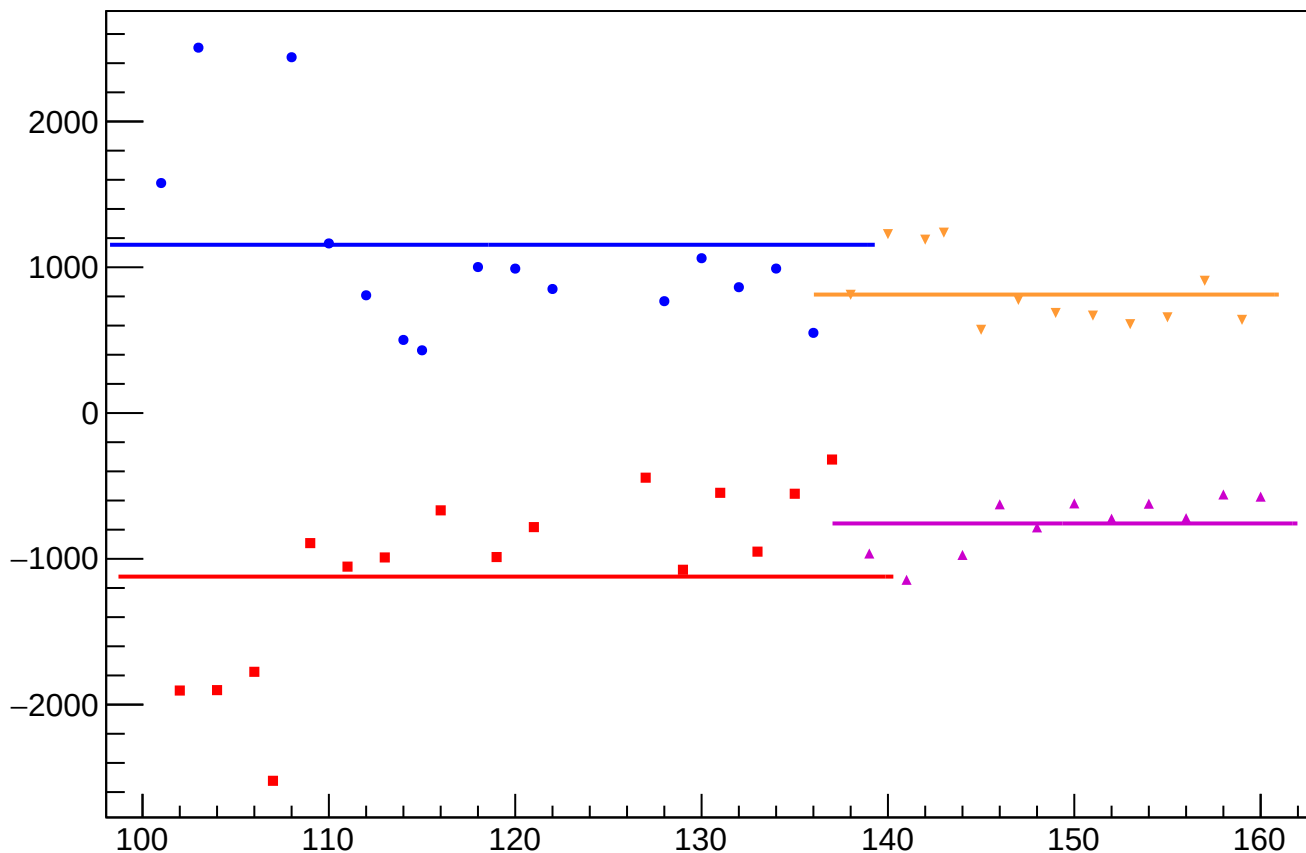
Right: 1245.090+/-0.000 χ^2/NDF : 39629195371379

In: 200.989+/-0.000 χ^2/NDF : 309519005844449410

Out: 1956.998+/-0.000 χ^2/NDF : 316504805338211

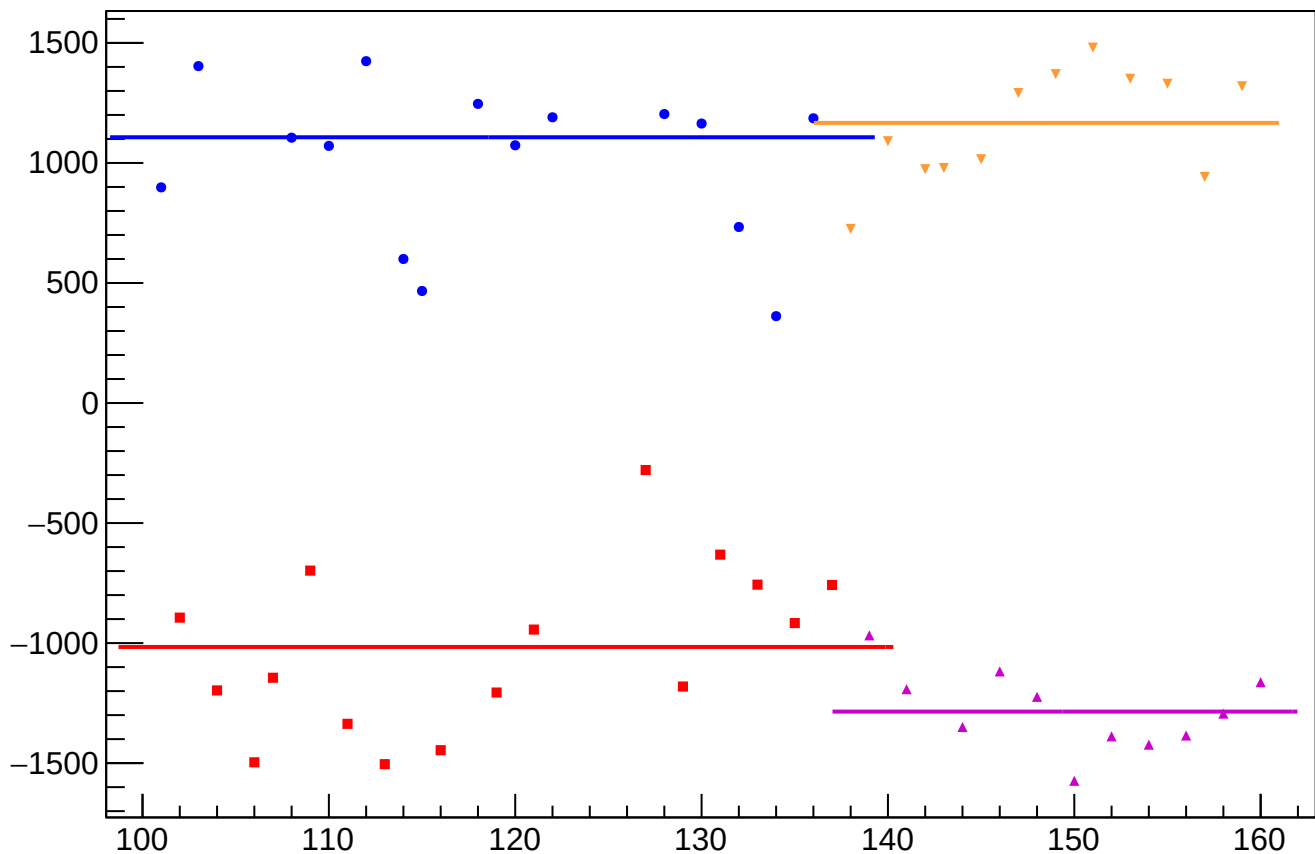
All: 1081.220+/-0.000 χ^2/NDF : 6262669489

dit_sam2_coil4_err_mean vs Slug, Sign Corrected



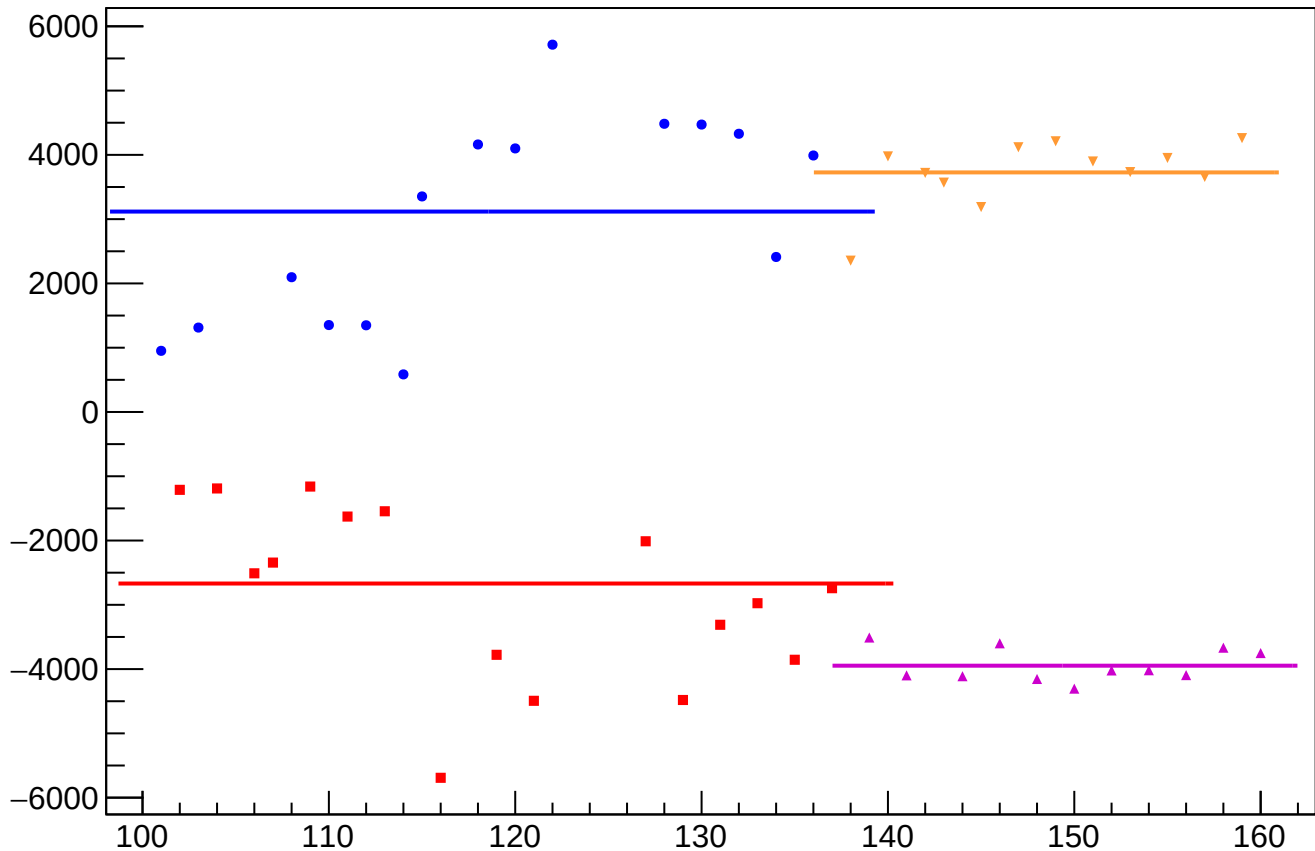
Left: 23.438+/-0.000 χ^2/NDF : 12126636203520677
 Right In: 1154.331+/-0.000 χ^2/NDF : 249270472563470703232737910394663731200.0/14
 Right: 0.631+/-0.000 χ^2/NDF : 21797856278979973
 Left Out: 812.768+/-0.000 χ^2/NDF : 48869150953187834312923483015749828608.0/11
 In: 31.386+/-0.000 χ^2/NDF : 167352264529272497
 Right Out: -1121.934+/-0.000 χ^2/NDF : 226159335639567338179811644002797617152.0/15
 Out: -3.453+/-0.000 χ^2/NDF : 17183684725504016
 Left In: -757.349+/-0.000 χ^2/NDF : 31036557490853362173363612241828511744.0/10
 All: 13.922+/-0.000 χ^2/NDF : 3392848168342

dit_sam2_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052 $\pm$ 0.000 χ^2 /NDF: 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869 $\pm$ 0.000 χ^2 /NDF: 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106 $\pm$ 0.000 χ^2 /NDF: 7256766433509192712184310037150171136.0/15
 Left In: -1285.364 $\pm$ 0.000 χ^2 /NDF: 24002572803732345959736048095514853376.0/10
 All: -25.499 $\pm$ 0.000 χ^2 /NDF: 443493791328

dit_sam3_coil4_mean vs Slug, Sign Corrected



Right In: 3117.914 $\pm$ 0.000

χ^2/NDF : 1552738593335565674554918493159210090496.0/14

Left Out: 3727.095 $\pm$ 0.000

χ^2/NDF : 237477678561542860292825834329185714176.0/11

Right Out: -2668.794 $\pm$ 0.000

χ^2/NDF : 1136406286131098596000054422131257114624.0/15

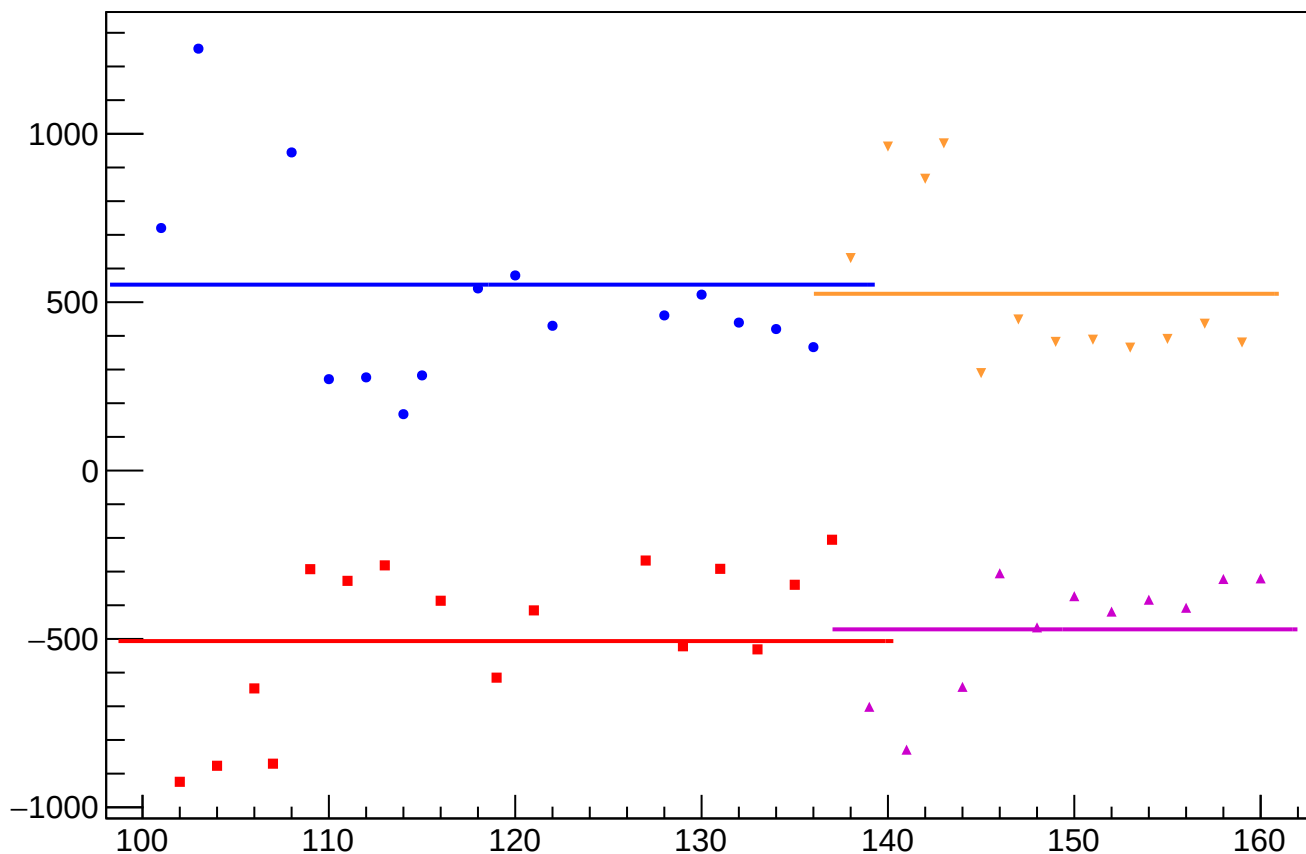
Left In: -3947.046 $\pm$ 0.000

χ^2/NDF : 56963661018859057070812095134472077312.0/10

All: 0.930 $\pm$ 0.000

χ^2/NDF : 41135190376945

dit_sam3_coil4_err_mean vs Slug, Sign Corrected



Right In: 552.108+/-0.000 χ^2/NDF : 50739041741159119848523988236001869824.0/14

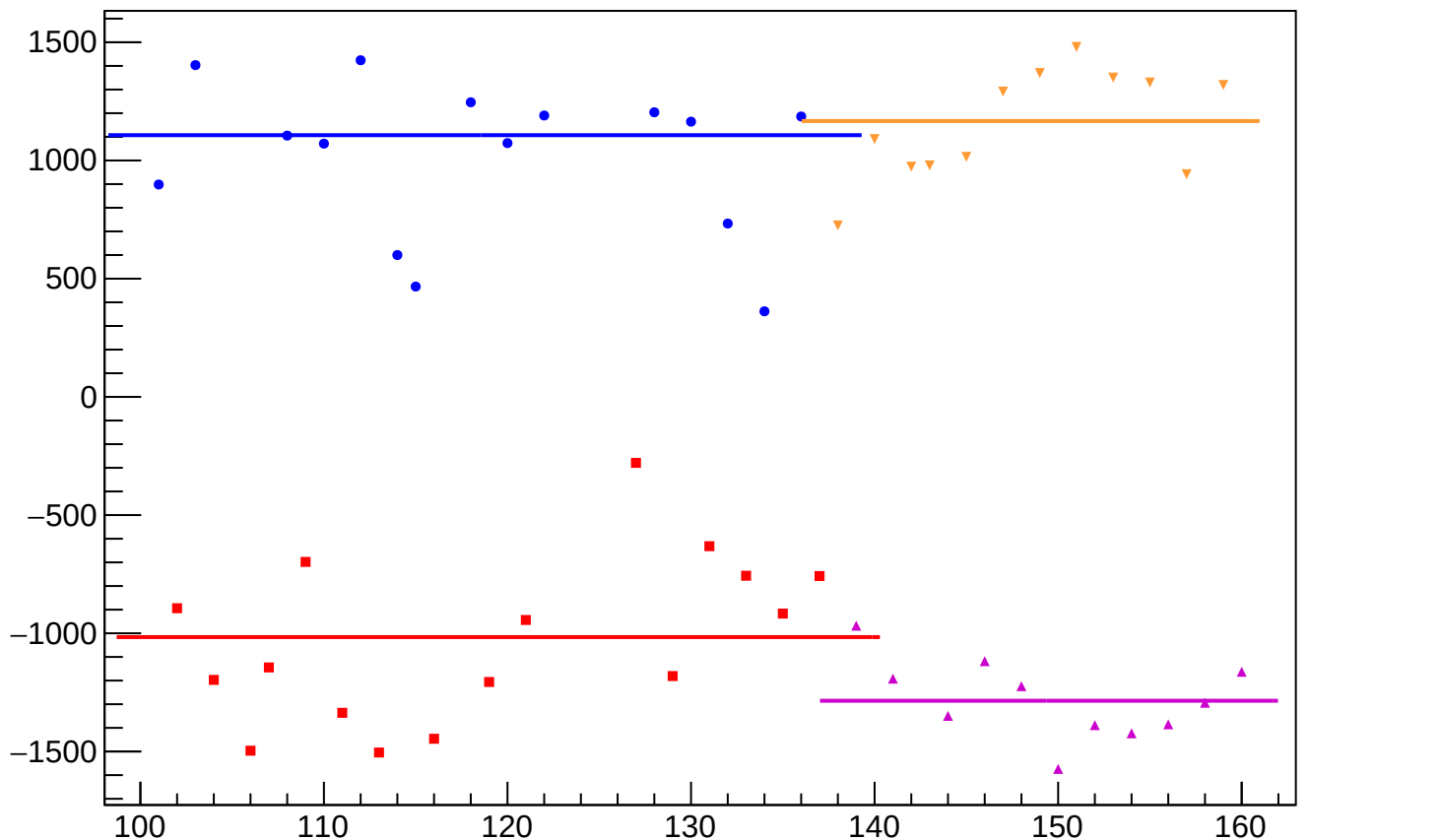
Left Out: 524.984+/-0.000 χ^2/NDF : 49120612413638370088062361036096798720.0/11

Right Out: -506.345+/-0.000 χ^2/NDF : 37181653297314883501659131806010572800.0/15

Left In: -471.540+/-0.000 χ^2/NDF : 25680884477827715914944205366363160576.0/10

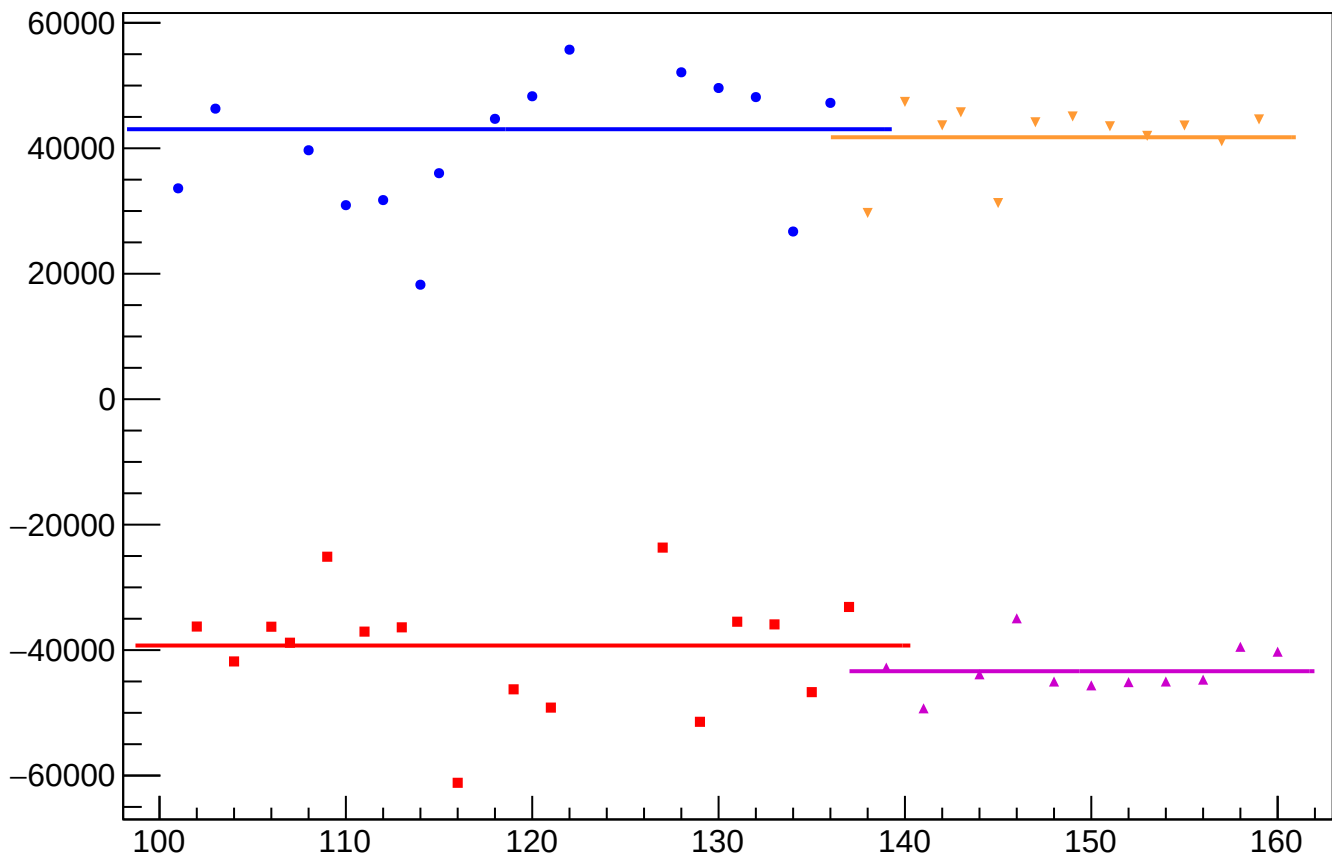
All: 20.520+/-0.000 χ^2/NDF : 9875911626514

dit_sam3_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052 +/- 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869 +/- 0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106 +/- 0.000 χ^2/NDF : 72567664333509192712184310037150171136.0/15
 Left In: -1285.364 +/- 0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499 +/- 0.000 χ^2/NDF : 443493791328

dit_sam4_coil4_mean vs Slug, Sign Corrected



Right In: 43039.927+/-0.000

χ^2/NDF : 48397052922561722652666786407552179503104.0/14

Left Out: 41759.238+/-0.000

χ^2/NDF : 26338532629522543185974017898719754584064.0/11

Right Out: -39269.627+/-0.000

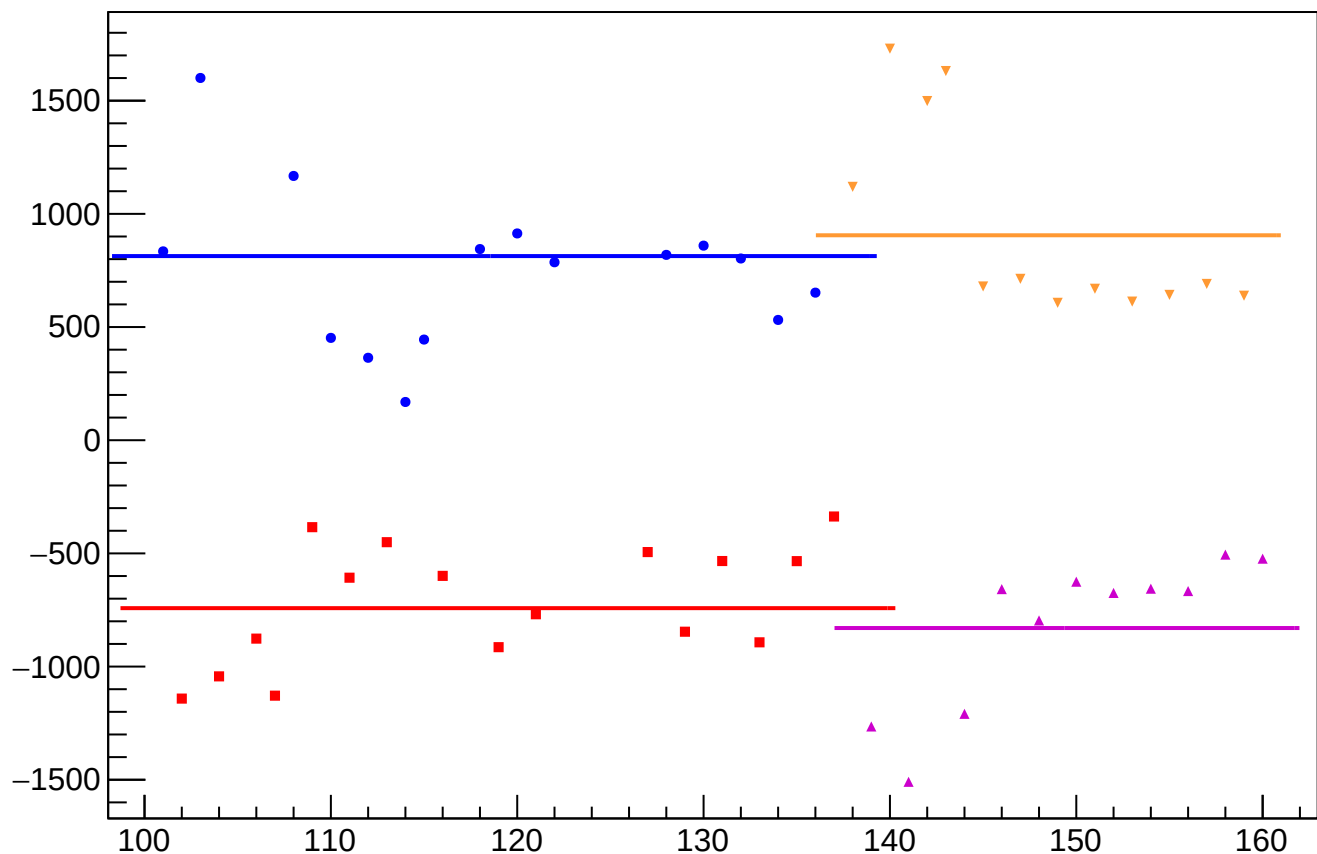
χ^2/NDF : 51873036517757666237545716605051585167360.0/15

Left In: -43364.892+/-0.000

χ^2/NDF : 12209695723681592241000188414954802511872.0/10

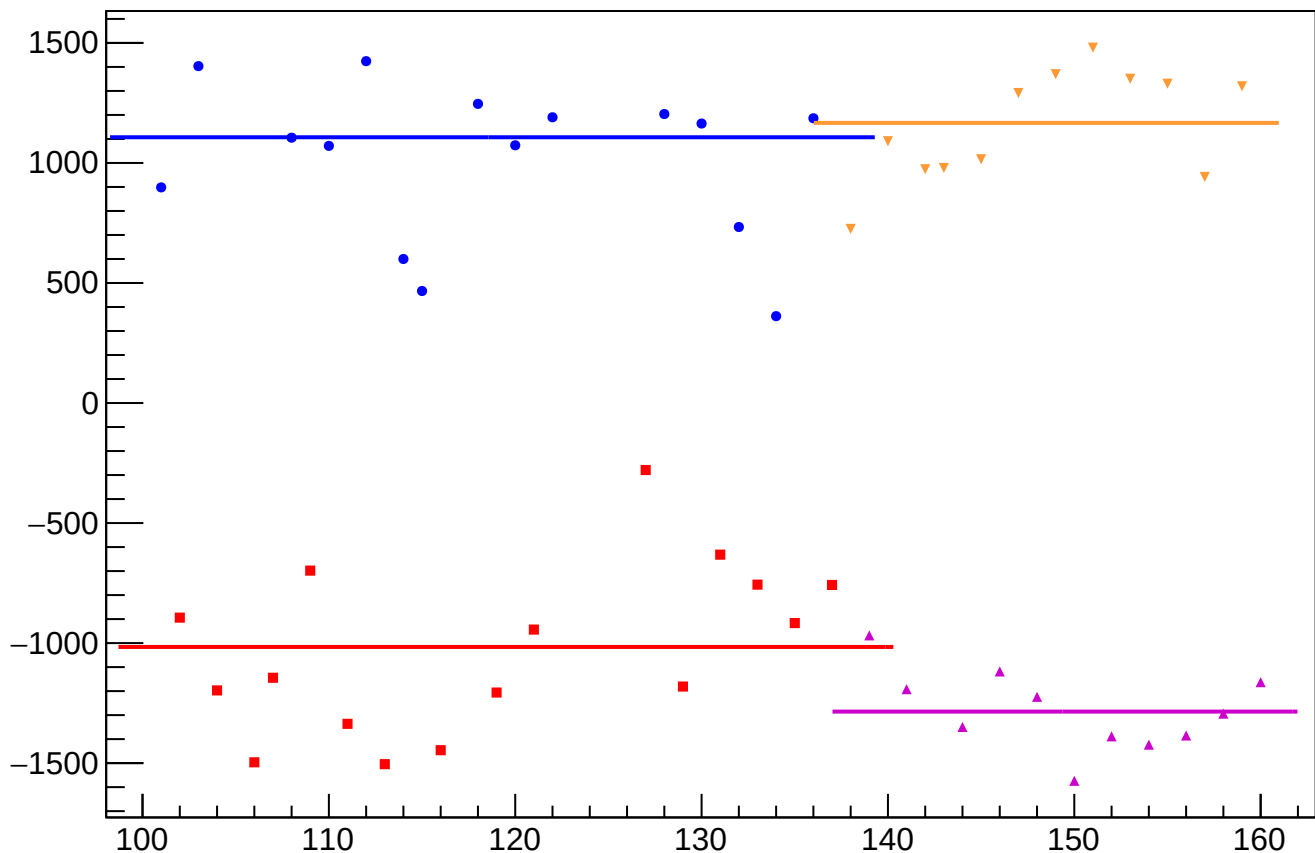
All: -51.092+/-0.000 χ^2/NDF : 570108278214

dit_sam4_coil4_err_mean vs Slug, Sign Corrected



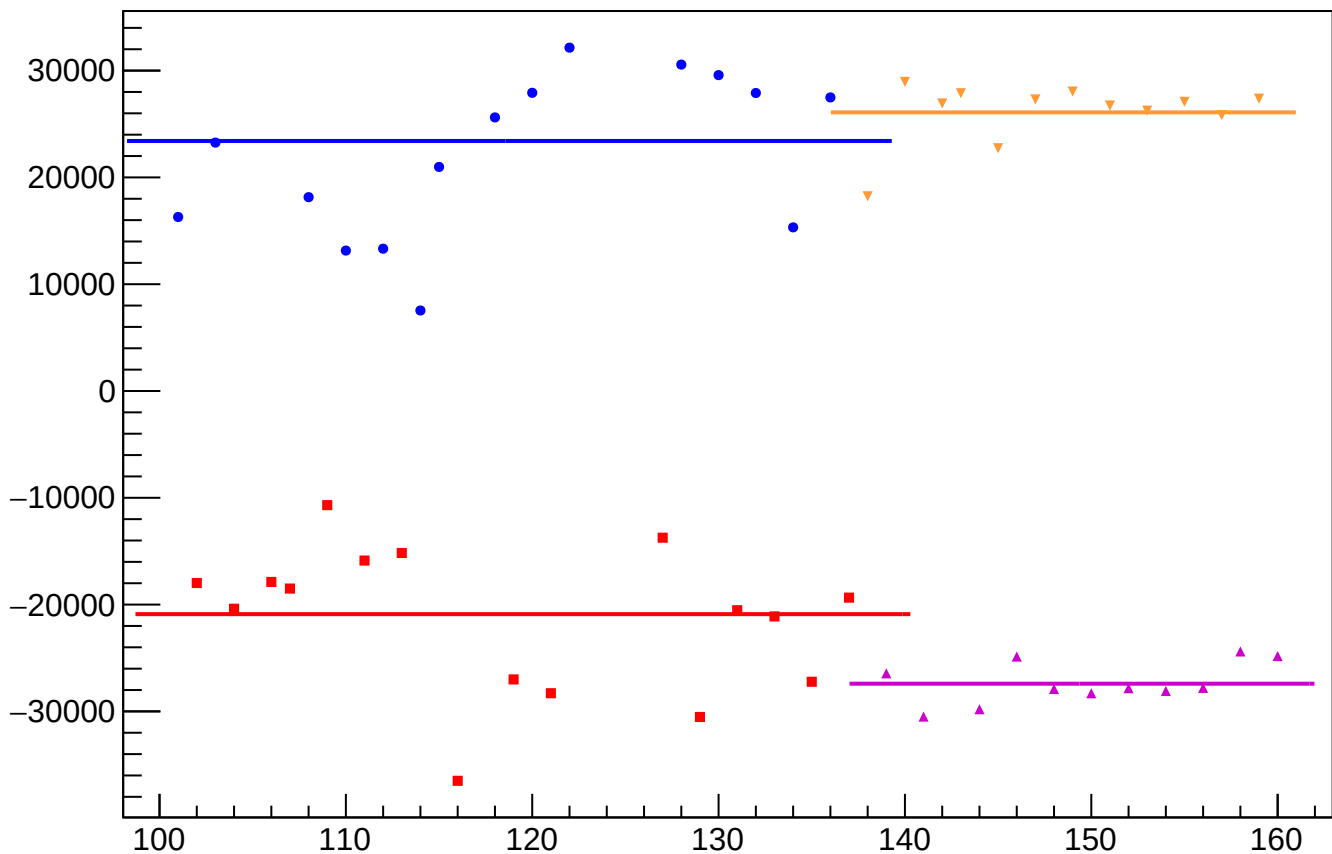
Right In: 813.500+/-0.000 χ^2/NDF : 67120916816548237638948787518351343616.0/14
 Left Out: 905.383+/-0.000 χ^2/NDF : 151600119297269061553878773288042233856.0/11
 Right Out: -741.911+/-0.000 χ^2/NDF : 44074134397215409235604746432671645696.0/15
 Left In: -829.715+/-0.000 χ^2/NDF : 96077836071623048341749512260917657600.0/10
 All: 29.794+/-0.000 χ^2/NDF : 2538038020154

dit_sam4_coil4_Ndata_mean vs Slug, Sign Corrected



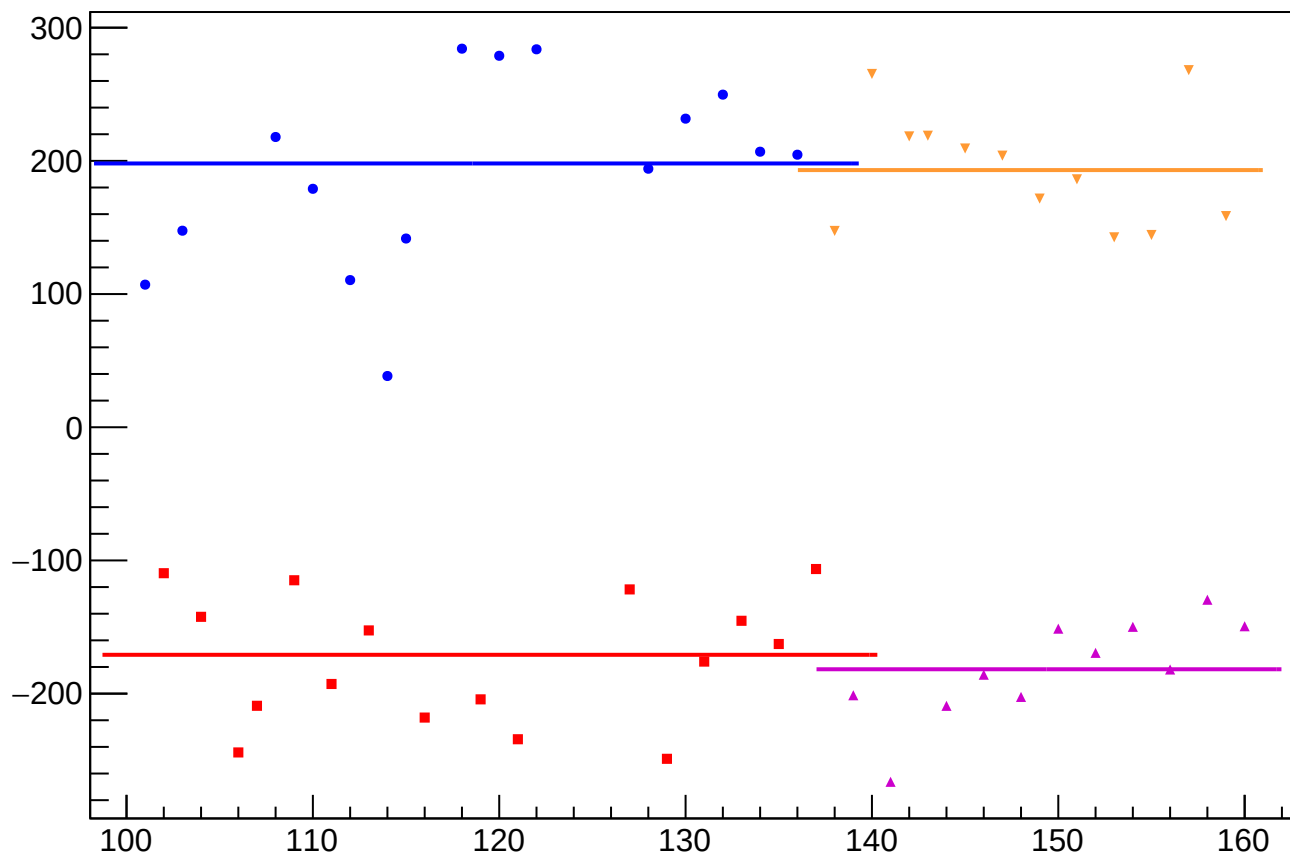
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_sam5_coil4_mean vs Slug, Sign Corrected



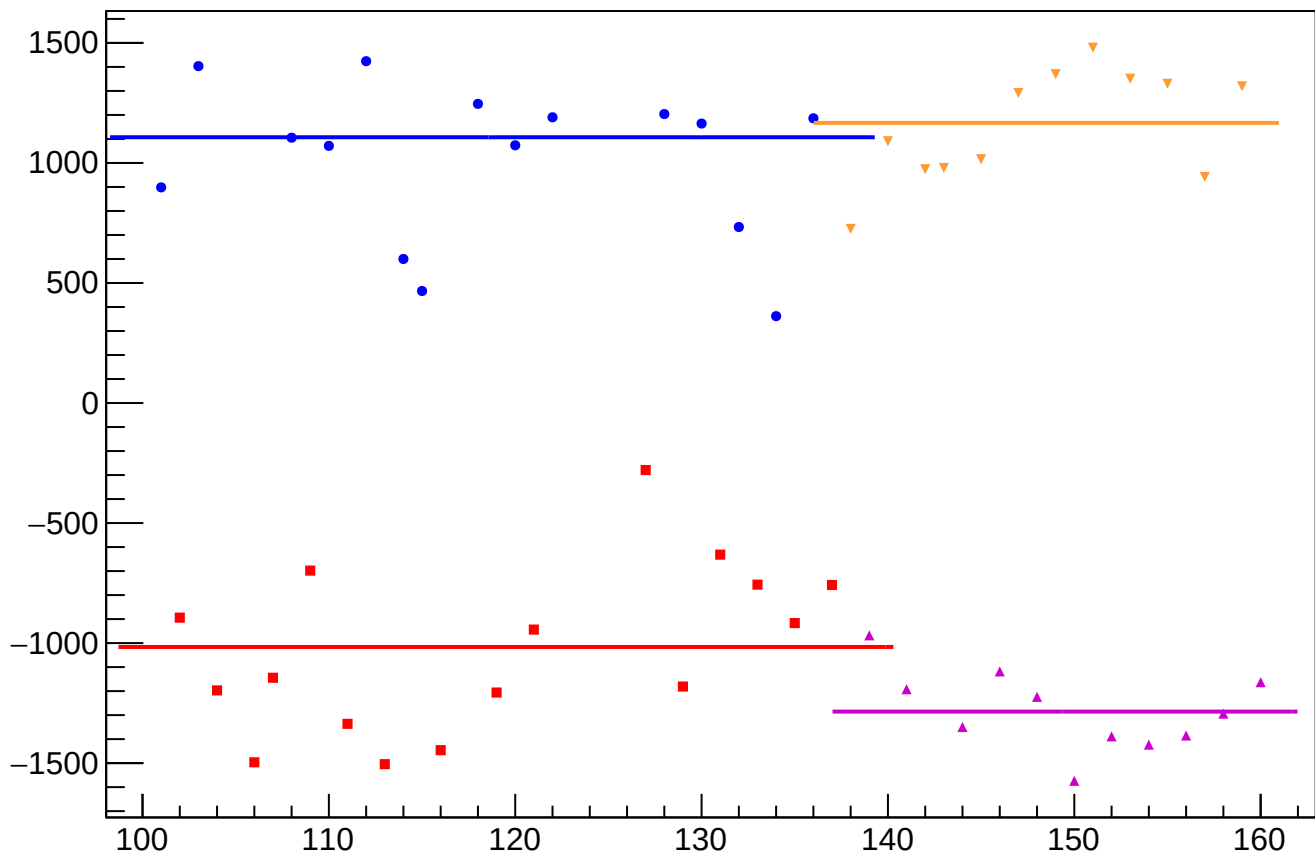
Right In: 23411.506+/-0.000 χ^2/NDF : 28427457471780319352885746571315708428288.0/14
 Left Out: 26089.435+/-0.000 χ^2/NDF : 7297474697325231234633060364075485102080.0/11
 Right Out: -20894.122+/-0.000 χ^2/NDF : 27408965804578649107002909409987218374656.0/15
 Left In: -27407.255+/-0.000 χ^2/NDF : 3322659858866093858426557456838465421312.0/10
 All: -70.029+/-0.000 χ^2/NDF : 202953713345

dit_sam5_coil4_err_mean vs Slug, Sign Corrected



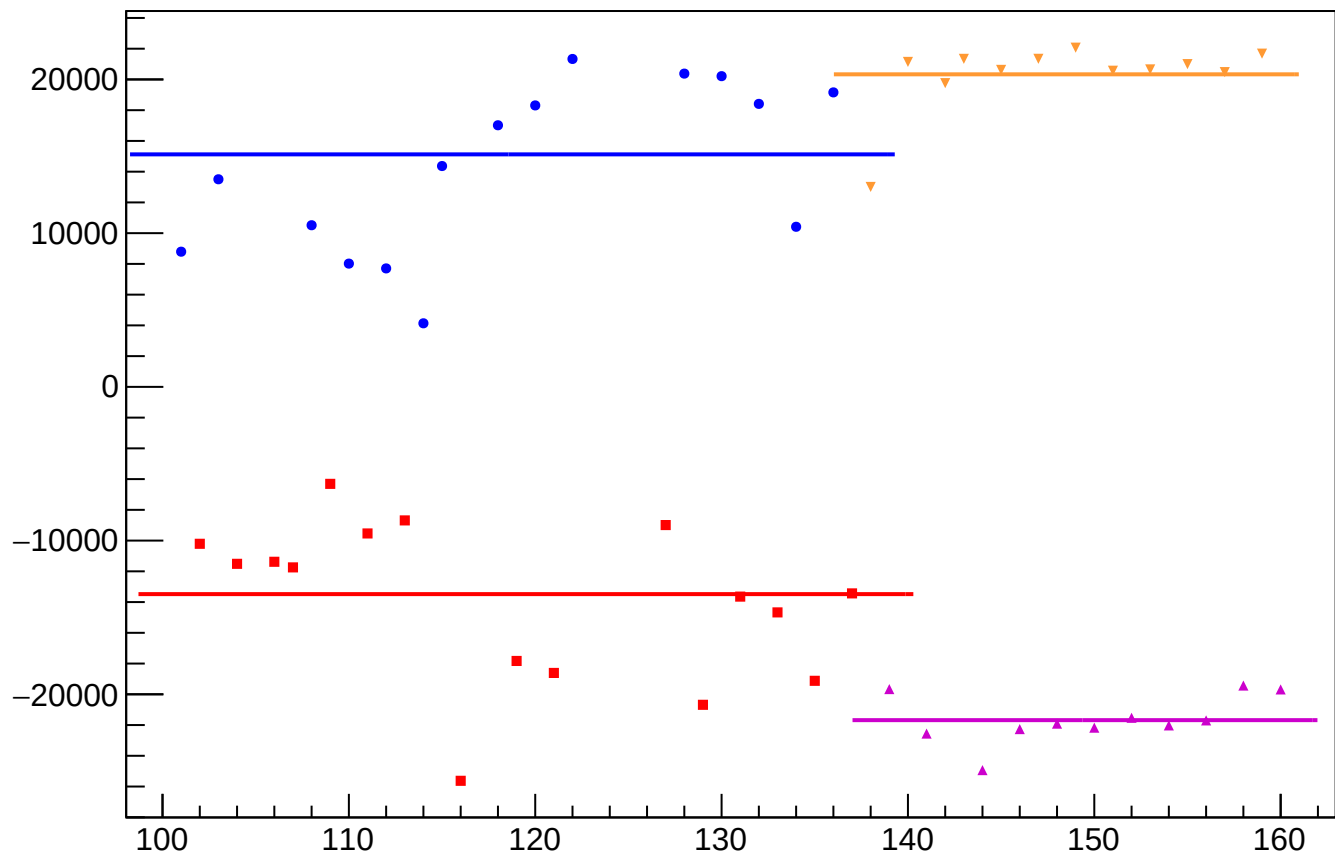
Right In: 198.056 $\pm$ 0.000 χ^2 /NDF: 2482928792293864415922382990034862080.0/14
 Left Out: 193.084 $\pm$ 0.000 χ^2 /NDF: 1682749705439949881122511912389574656.0/11
 Right Out: -170.851 $\pm$ 0.000 χ^2 /NDF: 1418314816915016425155520631536615424.0/15
 Left In: -181.711 $\pm$ 0.000 χ^2 /NDF: 1228549704796737698218369408017891328.0/10
 All: 7.342 $\pm$ 0.000 χ^2 /NDF: 11615483338933

dit_sam5_coil4_Ndata_mean vs Slug, Sign Corrected



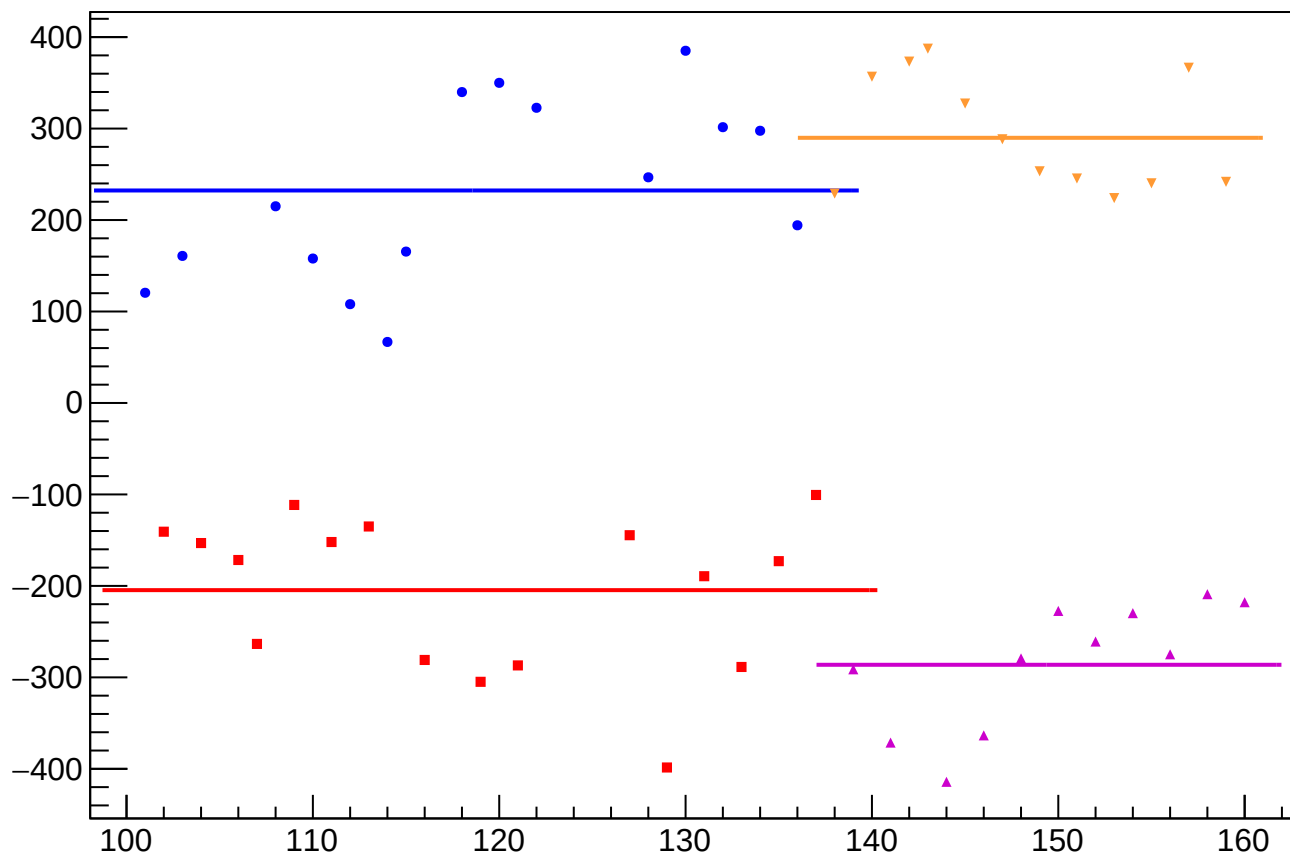
Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_sam6_coil4_mean vs Slug, Sign Corrected



Right In: 15125.834 $\pm$ 0.000 χ^2 /NDF: 16615438767664069151744668380763246297088.0/14
 Left Out: 20333.061 $\pm$ 0.000 χ^2 /NDF: 4855949225776942763226853940369054236672.0/11
 Right Out: -13482.244 $\pm$ 0.000 χ^2 /NDF: 15910426475407825250252248749810022088704.0/15
 Left In: -21681.241 $\pm$ 0.000 χ^2 /NDF: 2108874573649202621711530332866310307840.0/10
 All: -198.174 $\pm$ 0.000 χ^2 /NDF: 11213217633

dit_sam6_coil4_err_mean vs Slug, Sign Corrected



Right In: 232.312 $\pm$ 0.000 χ^2 /NDF: 5478184144885833956204804001180418048.0/14

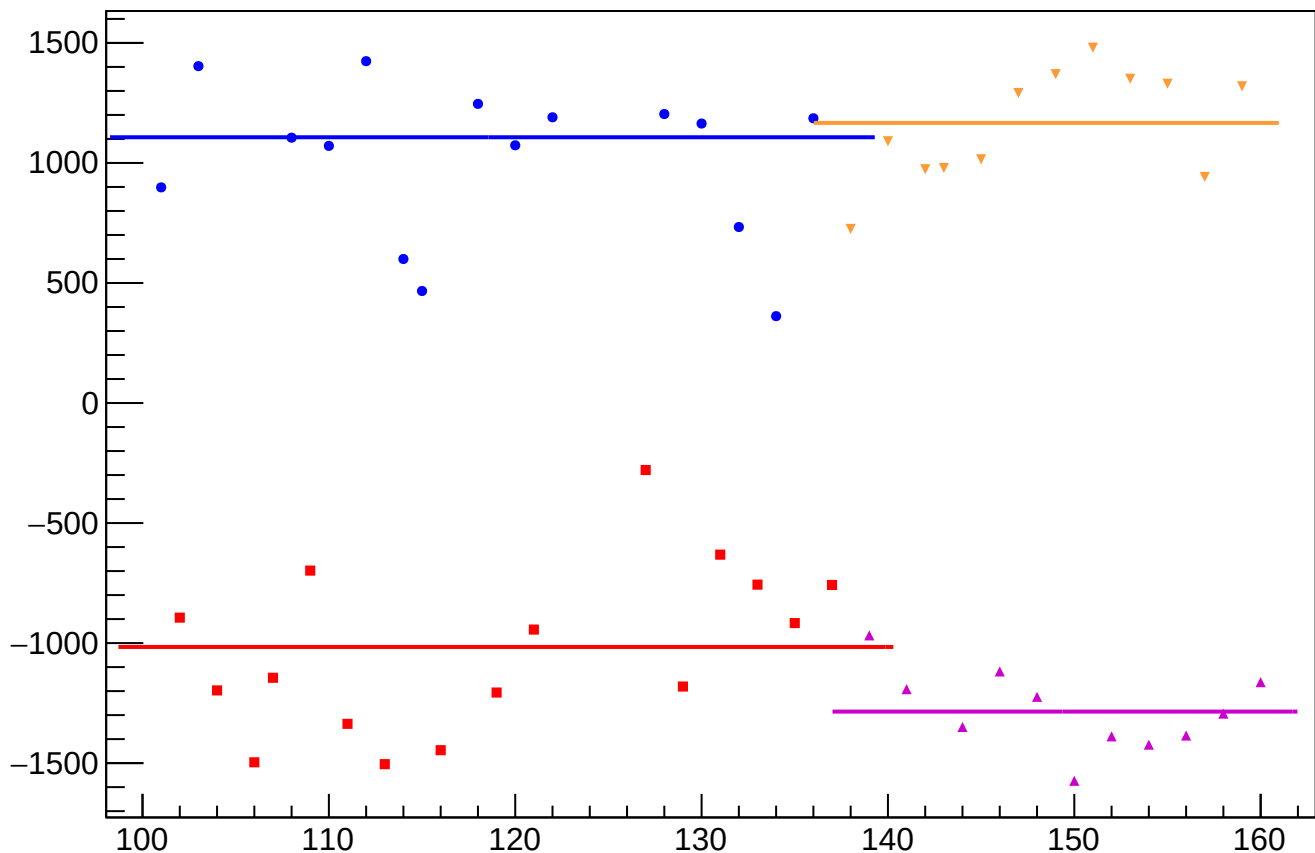
Left Out: 289.897 $\pm$ 0.000 χ^2 /NDF: 3202390993231935504147250998086205440.0/11

Right Out: -204.637 $\pm$ 0.000 χ^2 /NDF: 4555067046835230017930882867882098688.0/15

Left In: -286.246 $\pm$ 0.000 χ^2 /NDF: 4067110443230234744644750983181631488.0/10

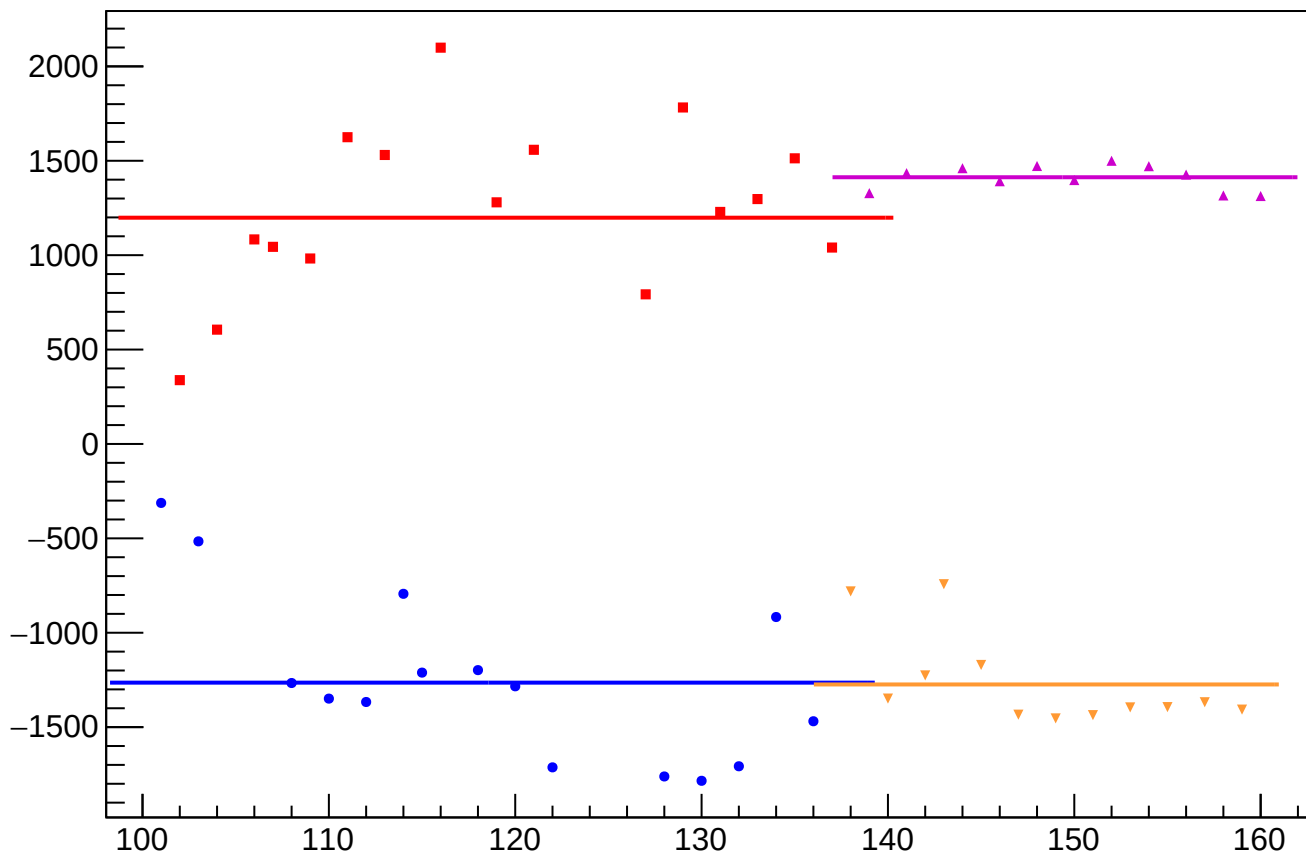
All: 4.677 $\pm$ 0.000 χ^2 /NDF: 23271380693899

dit_sam6_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000	χ^2/NDF : 40633831787810179240542210398269472768.0/14	Left: -65.918+/-0.000	χ^2/NDF : 2831749902088431
Left Out: 1166.869+/-0.000	χ^2/NDF : 44651845589529754769451964140544327680.0/11	Right: 30.953+/-0.000	χ^2/NDF : 1595991371539270
Right Out: -1016.106+/-0.000	χ^2/NDF : 7256766433509192712184310037150171136.0/15	In: -298.283+/-0.000	χ^2/NDF : 2246669587664541
Left In: -1285.364+/-0.000	χ^2/NDF : 24002572803732345959736048095514853376.0/10	Out: 245.904+/-0.000	χ^2/NDF : 1954763504813796
	All: -25.499+/-0.000	χ^2/NDF : 443493791328	

dit_sam7_coil4_mean vs Slug, Sign Corrected



Right In: -1264.303+/-0.000

Left Out: -1273.912+/-0.000

Right Out: 1198.483+/-0.000

Left In: 1412.771+/-0.000

χ^2/NDF : 140215251538502657549173994543931981824.0/14

χ^2/NDF : 50517219487332482659121972372719009792.0/11

χ^2/NDF : 131164763898016793515492217696167133184.0/15

χ^2/NDF : 3642959557366432228461510163957809152.0/10

Left: 76.739+/-0.000 χ^2/NDF : 33708552711057657

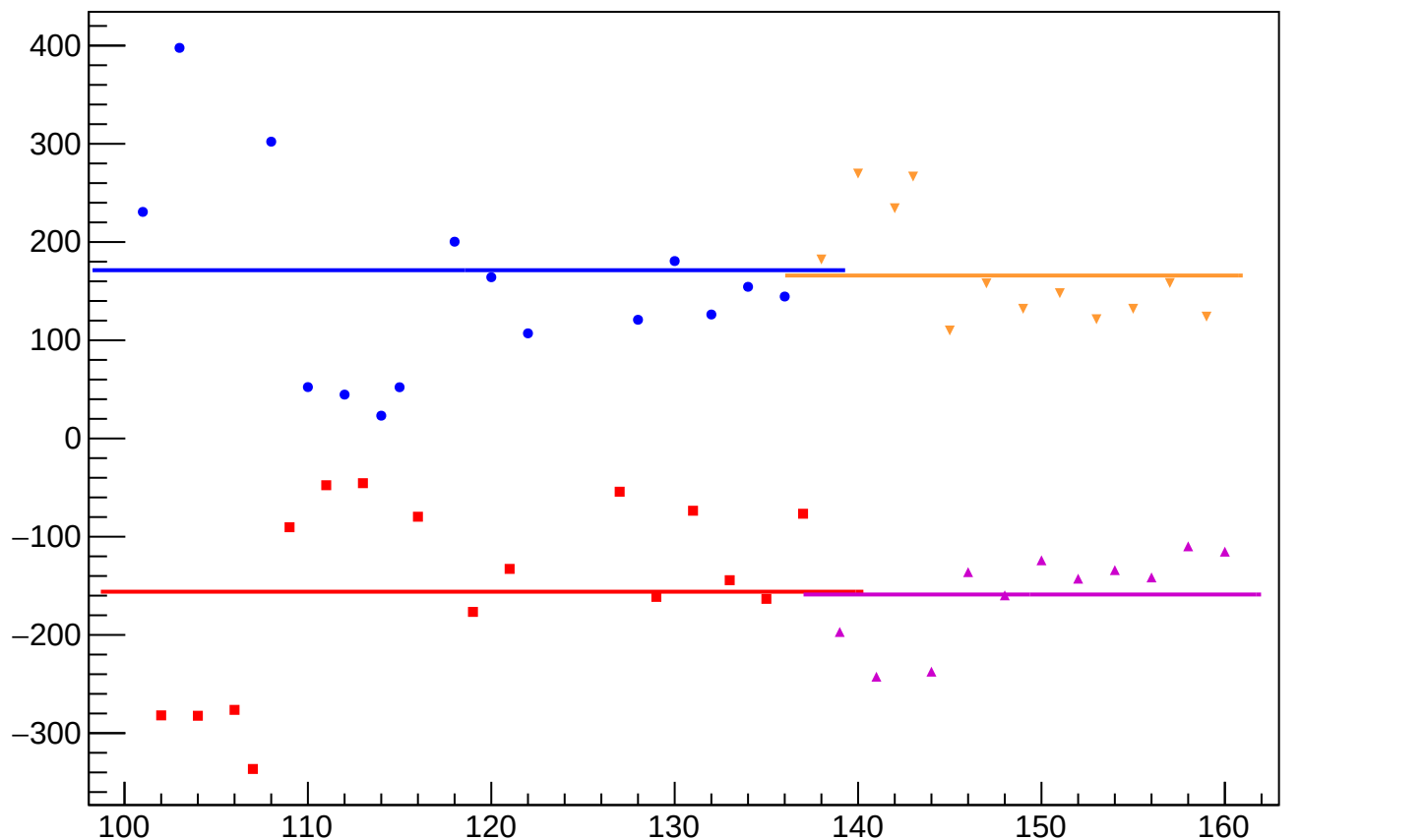
Right: -16.067+/-0.000 χ^2/NDF : 226649511001664

In: 308.244+/-0.000 χ^2/NDF : 28760344161485338

Out: -230.846+/-0.000 χ^2/NDF : 253877034127960

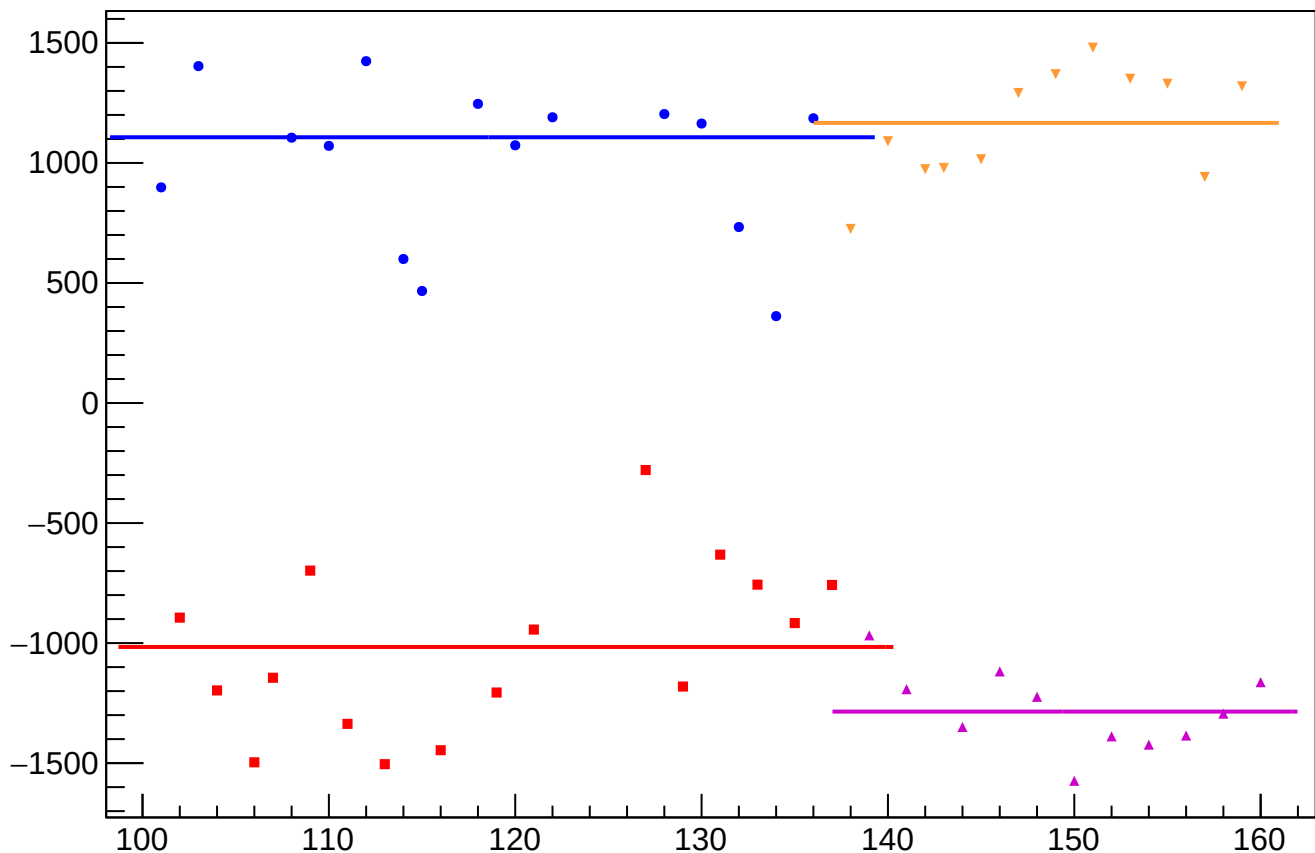
All: 38.016+/-0.000 χ^2/NDF : 5643955595721

dit_sam7_coil4_err_mean vs Slug, Sign Corrected



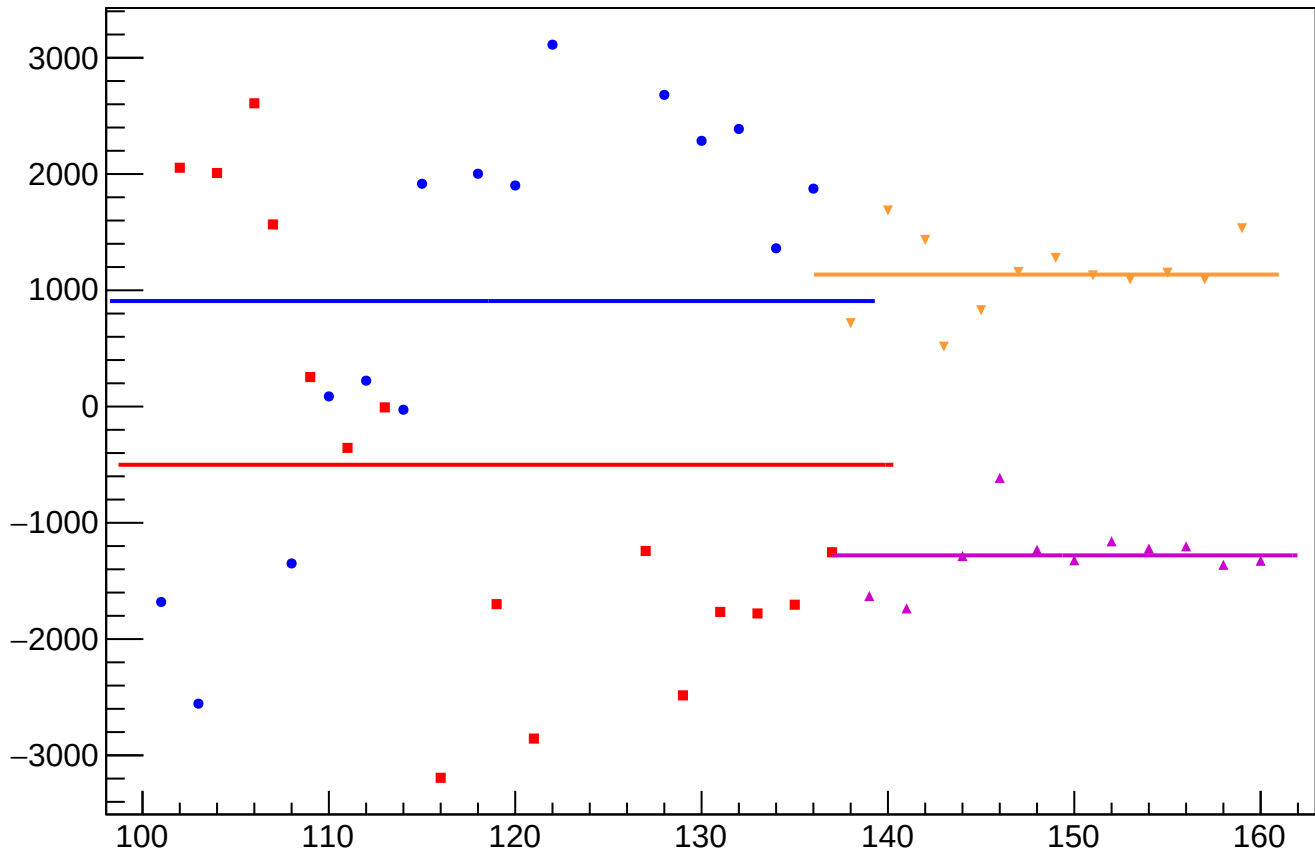
Right In: 171.323+/-0.000 χ^2/NDF : 6120975075187305509795143064993398784.0/14
 Left Out: 165.917+/-0.000 χ^2/NDF : 2574923375517186479088669940447707136.0/11
 Right Out: -155.993+/-0.000 χ^2/NDF : 5680659281504595852021524727244783616.0/15
 Left In: -158.834+/-0.000 χ^2/NDF : 1853310895668256586520412981739651072.0/10
 All: 3.813+/-0.000 χ^2/NDF : 99935728912409

dit_sam7_coil4_Ndata_mean vs Slug, Sign Corrected



Right In: 1107.052+/-0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869+/-0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106+/-0.000 χ^2/NDF : 7256766433509192712184310037150171136.0/15
 Left In: -1285.364+/-0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499+/-0.000 χ^2/NDF : 443493791328

dit_sam8_coil4_mean vs Slug, Sign Corrected



Right In: 907.442+/-0.000

χ^2/NDF : 2107238007691848638499662178406566461440.0/14

Left Out: 1135.509+/-0.000

χ^2/NDF : 90454761773489591793478678074609369088.0/11

Right Out: -500.689+/-0.000

χ^2/NDF : 2074232918749953174436803426379074895872.0/15

Left In: -1279.995+/-0.000

χ^2/NDF : 67592304703884032028559239448782438400.0/10

Left: -78.814+/-0.000 χ^2/NDF : 2838993659503494

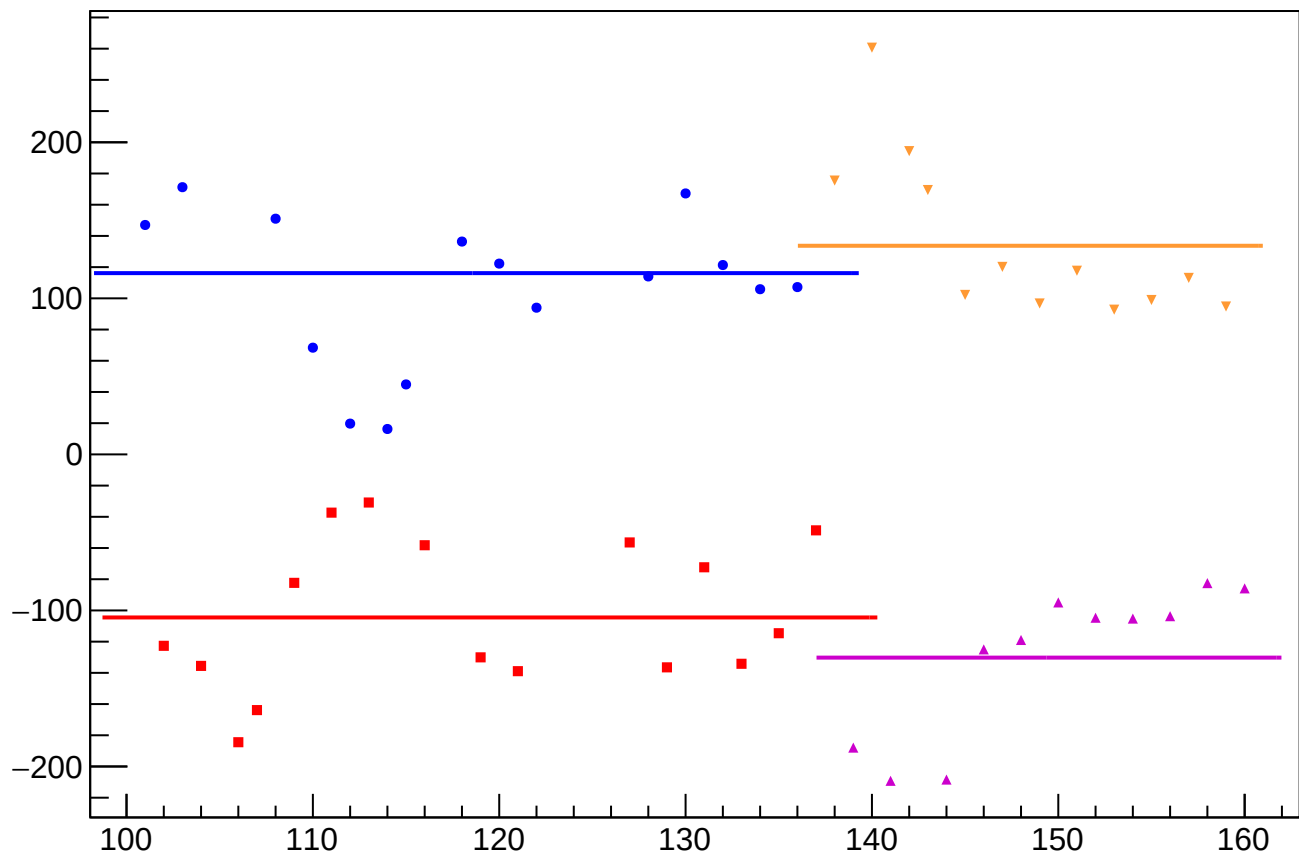
Right: 193.746+/-0.000 χ^2/NDF : 483370034209518

In: -377.486+/-0.000 χ^2/NDF : 3998973168088028

Out: 445.222+/-0.000 χ^2/NDF : 3197001629965650

All: 34.911+/-0.000 χ^2/NDF : 7729666433906

dit_sam8_coil4_err_mean vs Slug, Sign Corrected



Right In: 116.159+/-0.000

χ^2/NDF : 1198526427485199785396504127288115200.0/14

Left Out: 133.695+/-0.000

χ^2/NDF : 2332238004384262852879386446827356160.0/11

Right Out: -104.501+/-0.000

χ^2/NDF : 1285986383644058507445602420764180480.0/15

Left In: -130.237+/-0.000

χ^2/NDF : 1968814259217478663576054483231178752.0/10

Left: 1.011+/-0.000 χ^2/NDF : 363089448385334354

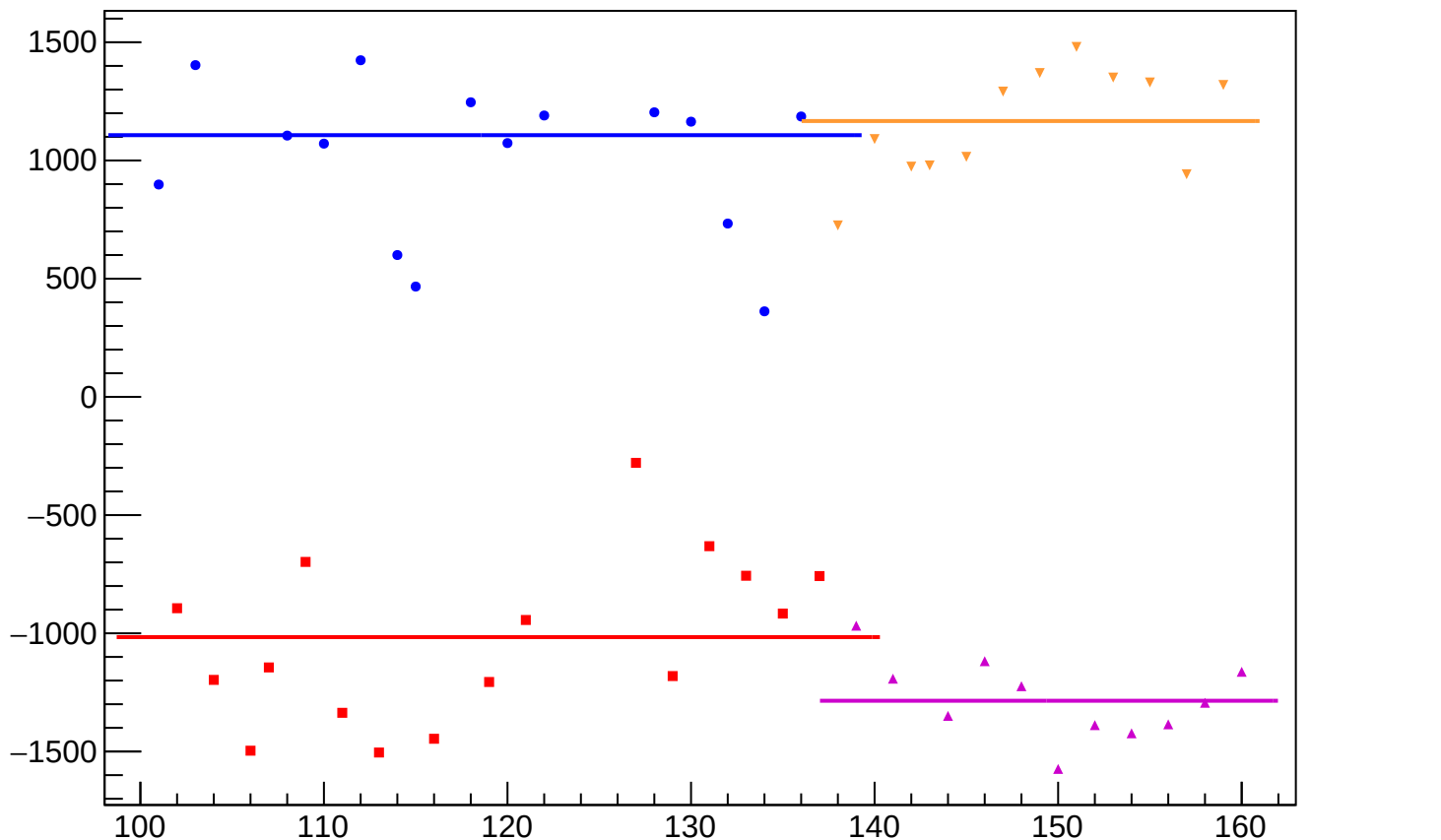
Right: 4.320+/-0.000 χ^2/NDF : 18500756430901072

In: -28.577+/-0.000 χ^2/NDF : 26312198647459661

Out: 33.204+/-0.000 χ^2/NDF : 25496298495933120

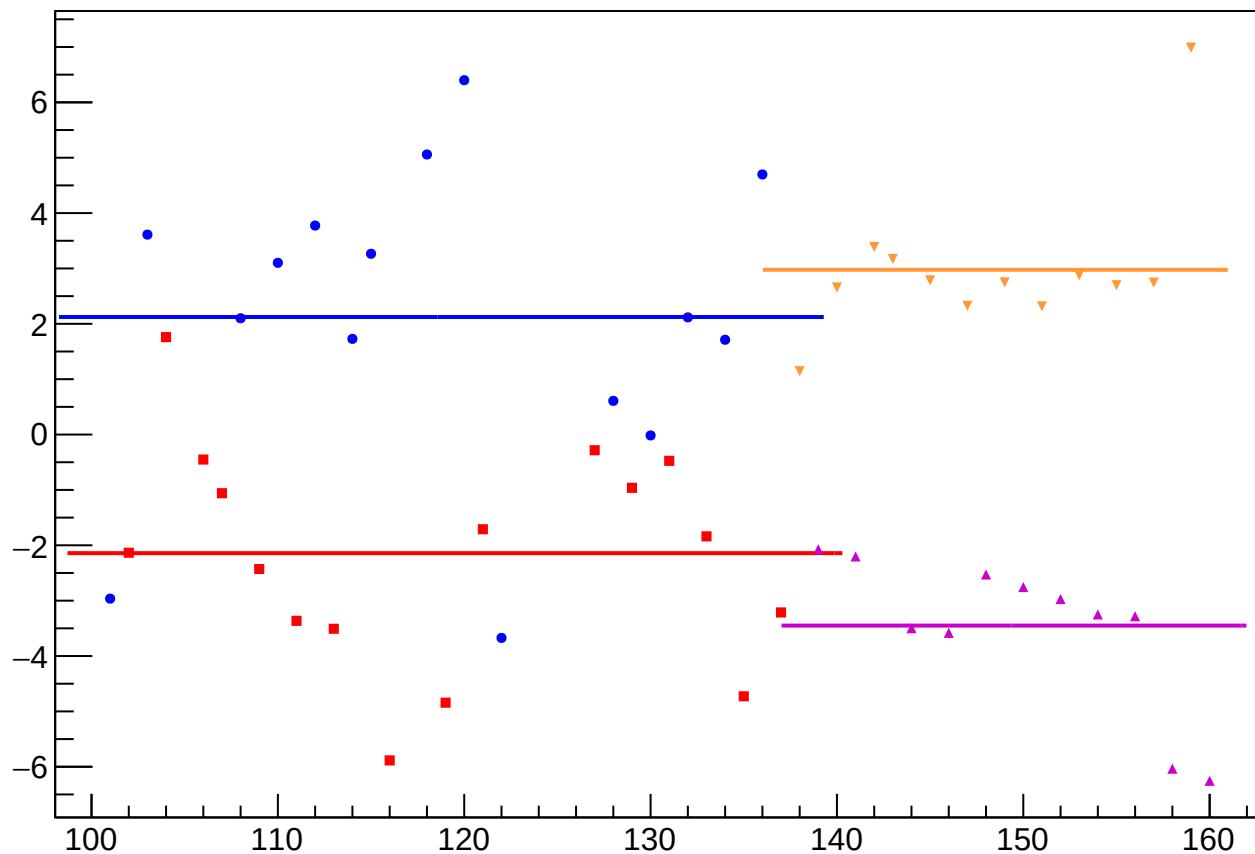
All: 2.392+/-0.000 χ^2/NDF : 54818097492999

dit_sam8_coil4_Ndata_mean vs Slug, Sign Corrected



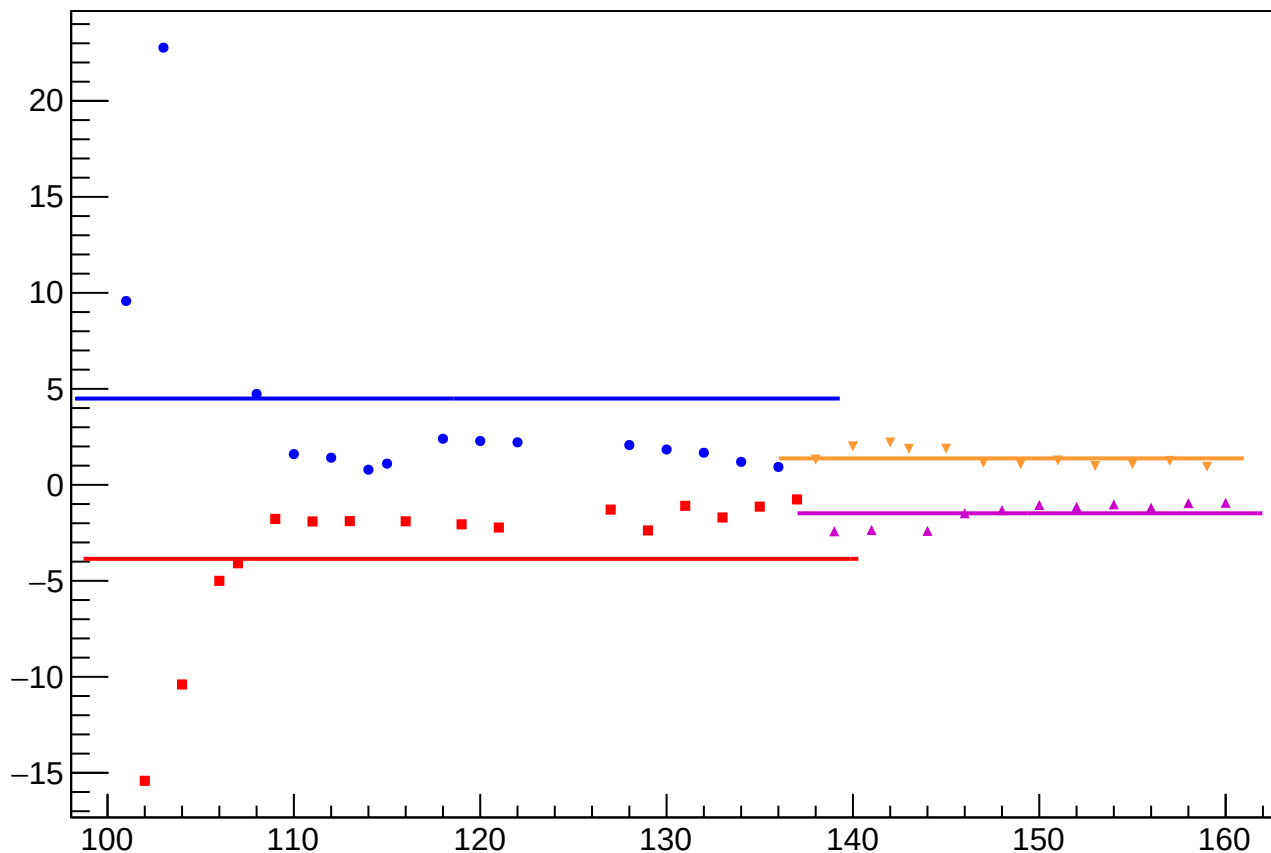
Right In: 1107.052 ± 0.000 χ^2/NDF : 40633831787810179240542210398269472768.0/14
 Left Out: 1166.869 ± 0.000 χ^2/NDF : 44651845589529754769451964140544327680.0/11
 Right Out: -1016.106 ± 0.000 χ^2/NDF : 72567664333509192712184310037150171136.0/15
 Left In: -1285.364 ± 0.000 χ^2/NDF : 24002572803732345959736048095514853376.0/10
 All: -25.499 ± 0.000 χ^2/NDF : 443493791328

dit_4aX_coil6_mean vs Slug, Sign Corrected



Right In: 2.123 ± 0.000 $\chi^2/\text{NDF}: 5263705922821075971022013849403392.0/14$
 Left Out: 2.975 ± 0.000 $\chi^2/\text{NDF}: 1653073452461549310648226194391040.0/11$
 Right Out: -2.142 ± 0.000 $\chi^2/\text{NDF}: 2472949940993672466161692257026048.0/15$
 Left In: -3.450 ± 0.000 $\chi^2/\text{NDF}: 1551935058842125730993767819771904.0/10$
 All: -0.165 ± 0.000 $\chi^2/\text{NDF}: 3593171973560$

dit_4aX_coil6_err_mean vs Slug, Sign Corrected



Left: -0.059 +/- 0.000 χ^2/NDF : 42213388097335832

Right: 0.264 +/- 0.000 χ^2/NDF : 60505823648883396

In: 0.984 +/- 0.000 χ^2/NDF : 391989386496345964

Out: -0.828 +/- 0.000 χ^2/NDF : 23018878816163902

All: 0.076 +/- 0.000 χ^2/NDF : 64807335162416

Right In: 4.495 +/- 0.000

χ^2/NDF : 25270242219816061532329198634401792.0/14

Left Out: 1.379 +/- 0.000

χ^2/NDF : 150384329501224226849656085151744.0/11

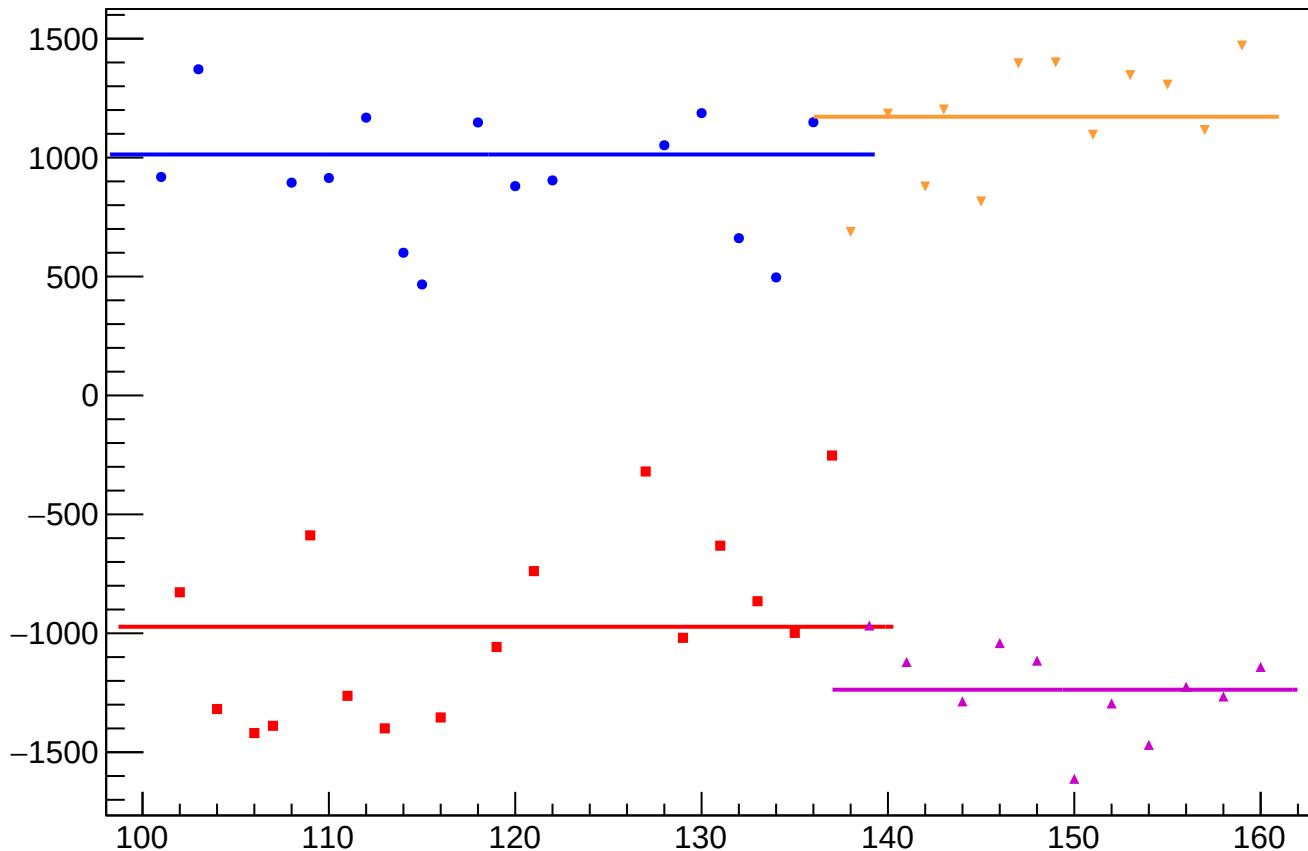
Right Out: -3.852 +/- 0.000

χ^2/NDF : 12314971476556806550518847638601728.0/15

Left In: -1.482 +/- 0.000

χ^2/NDF : 310337710475779495774509405831168.0/10

dit_4aX_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1171.807+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52424901282098583856312492577037221888.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

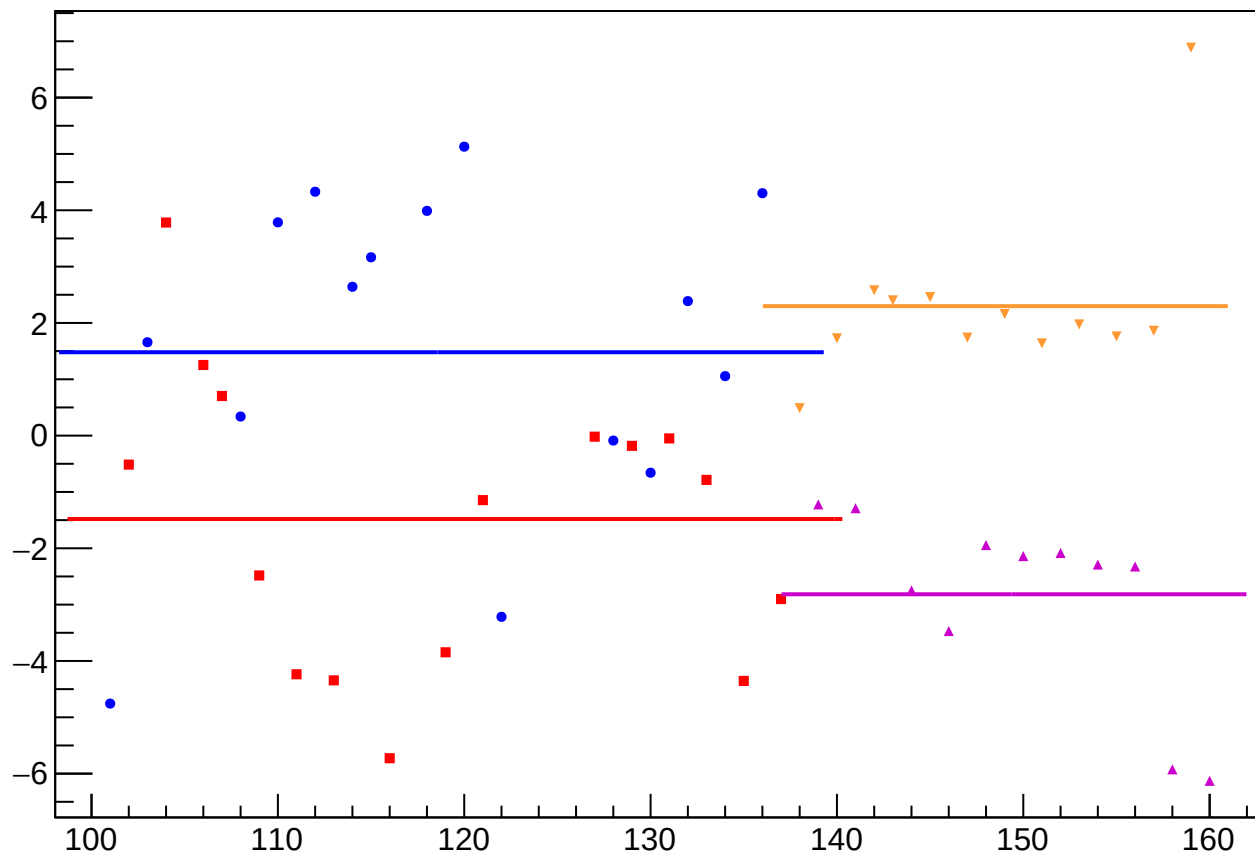
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

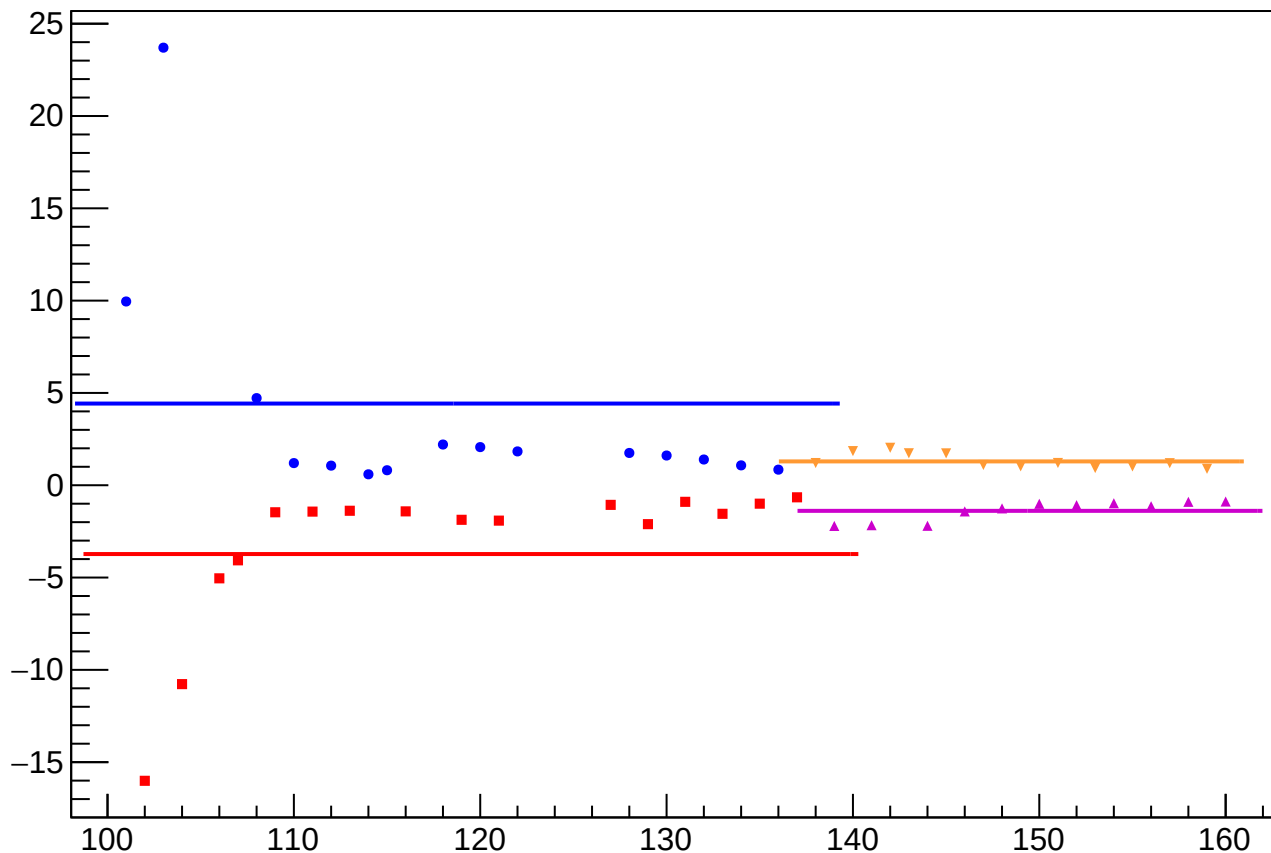
All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_4eX_coil6_mean vs Slug, Sign Corrected



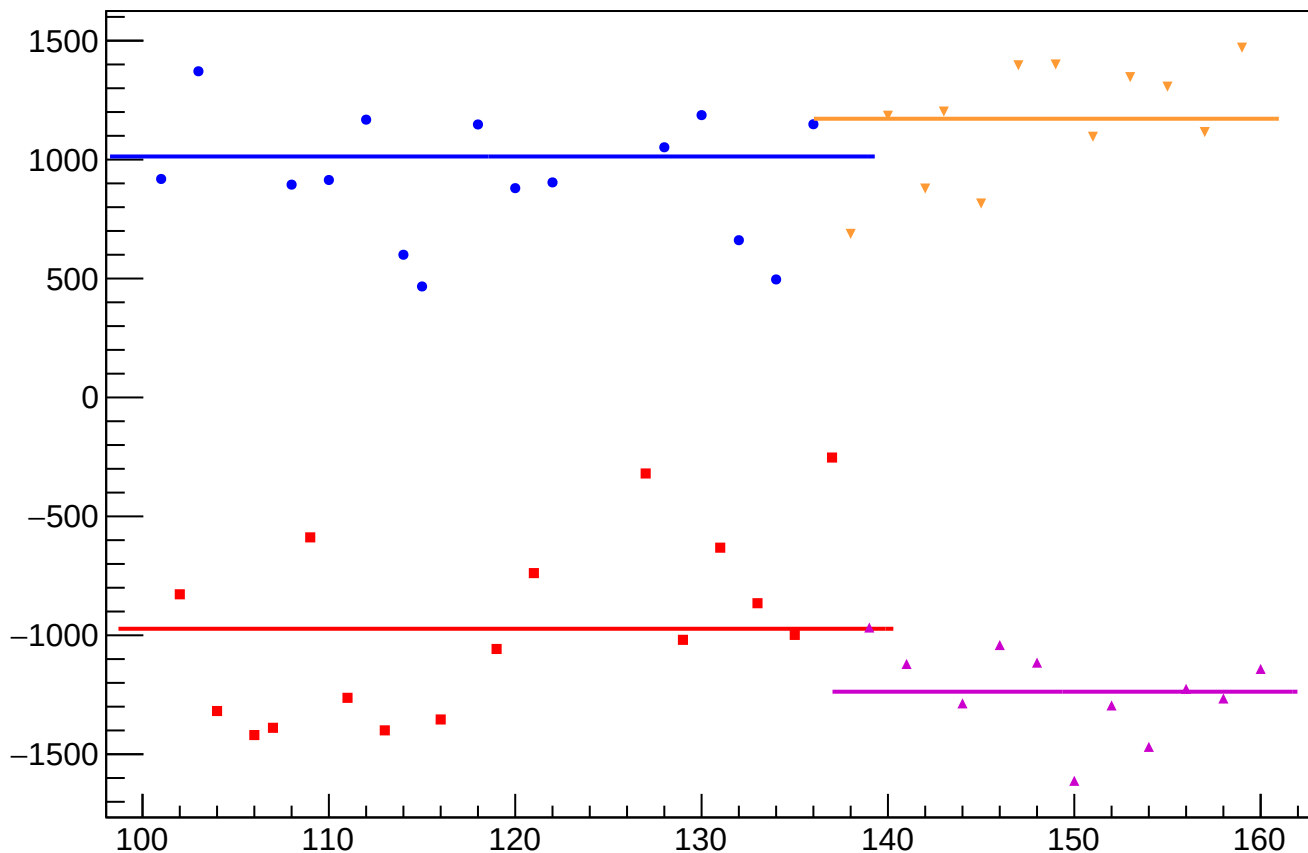
Right In: 1.480+/-0.000 χ^2/NDF : 5799670695902784459055767987683328.0/14
 Left Out: 2.298+/-0.000 χ^2/NDF : 2079870991739780462593334803693568.0/11
 Right Out: -1.480+/-0.000 χ^2/NDF : 4092645800613765572662987820367872.0/15
 Left In: -2.816+/-0.000 χ^2/NDF : 2230790234579581781884760219451392.0/10
 All: -0.168+/-0.000 χ^2/NDF : 2915247501265

dit_4eX_coil6_err_mean vs Slug, Sign Corrected



Right In: 4.424+/-0.000 χ^2/NDF : 28257459272876210608839830473277440.0/14
 Left Out: 1.291+/-0.000 χ^2/NDF : 119201725618452190917490324275200.0/11
 Right Out: -3.727+/-0.000 χ^2/NDF : 13991816814749842519794284853460992.0/15
 Left In: -1.387+/-0.000 χ^2/NDF : 245381205913734368947829561360384.0/10
 All: 0.090+/-0.000 χ^2/NDF : 67859501931783

dit_4eX_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

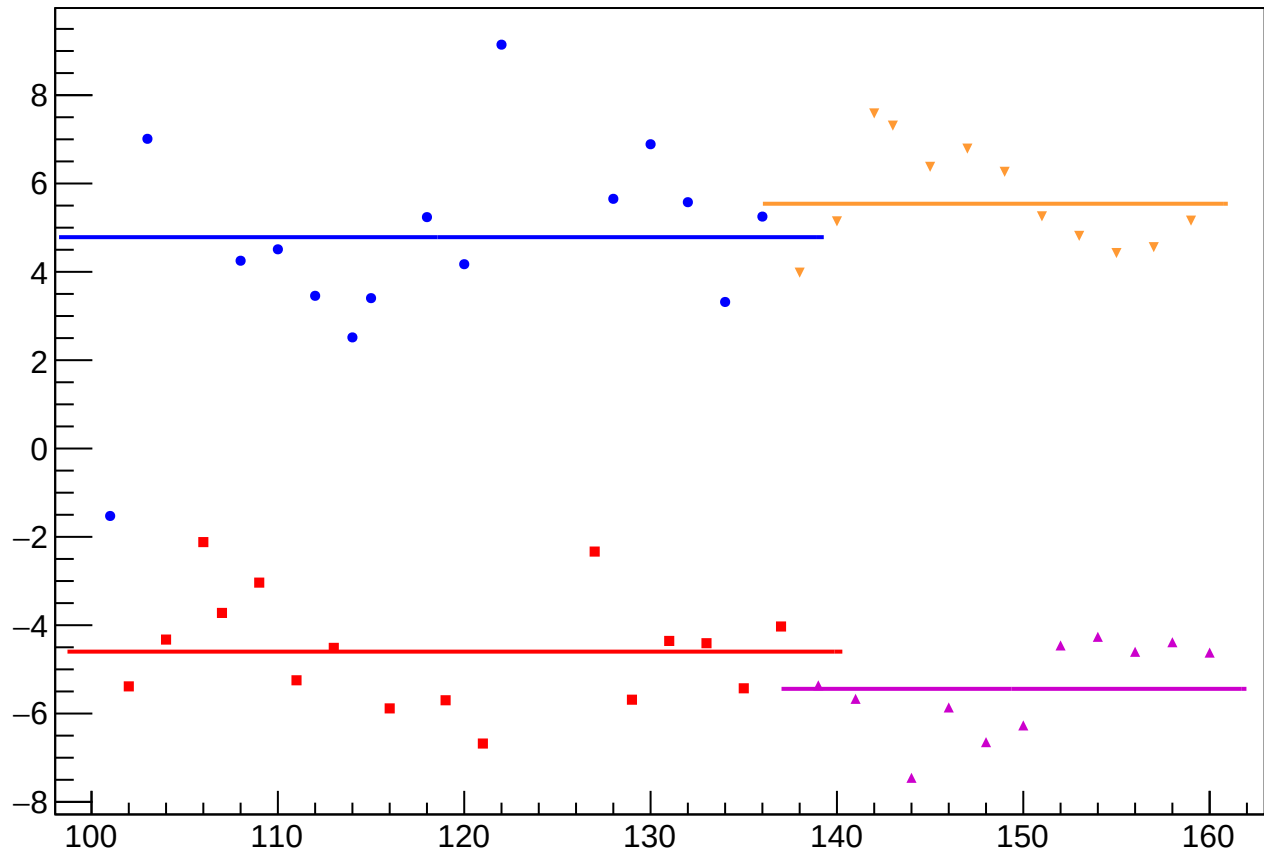
χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

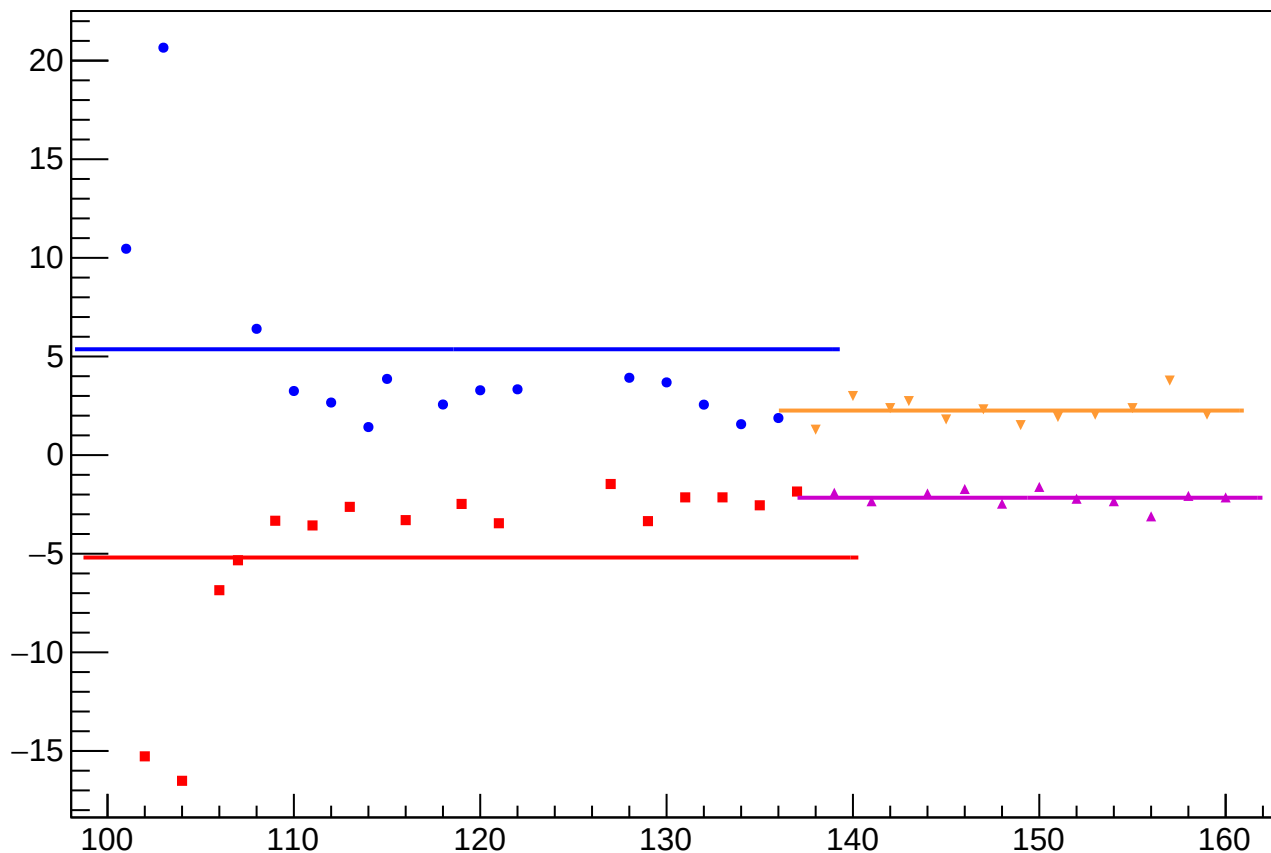
All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_11X12X_coil6_mean vs Slug, Sign Corrected



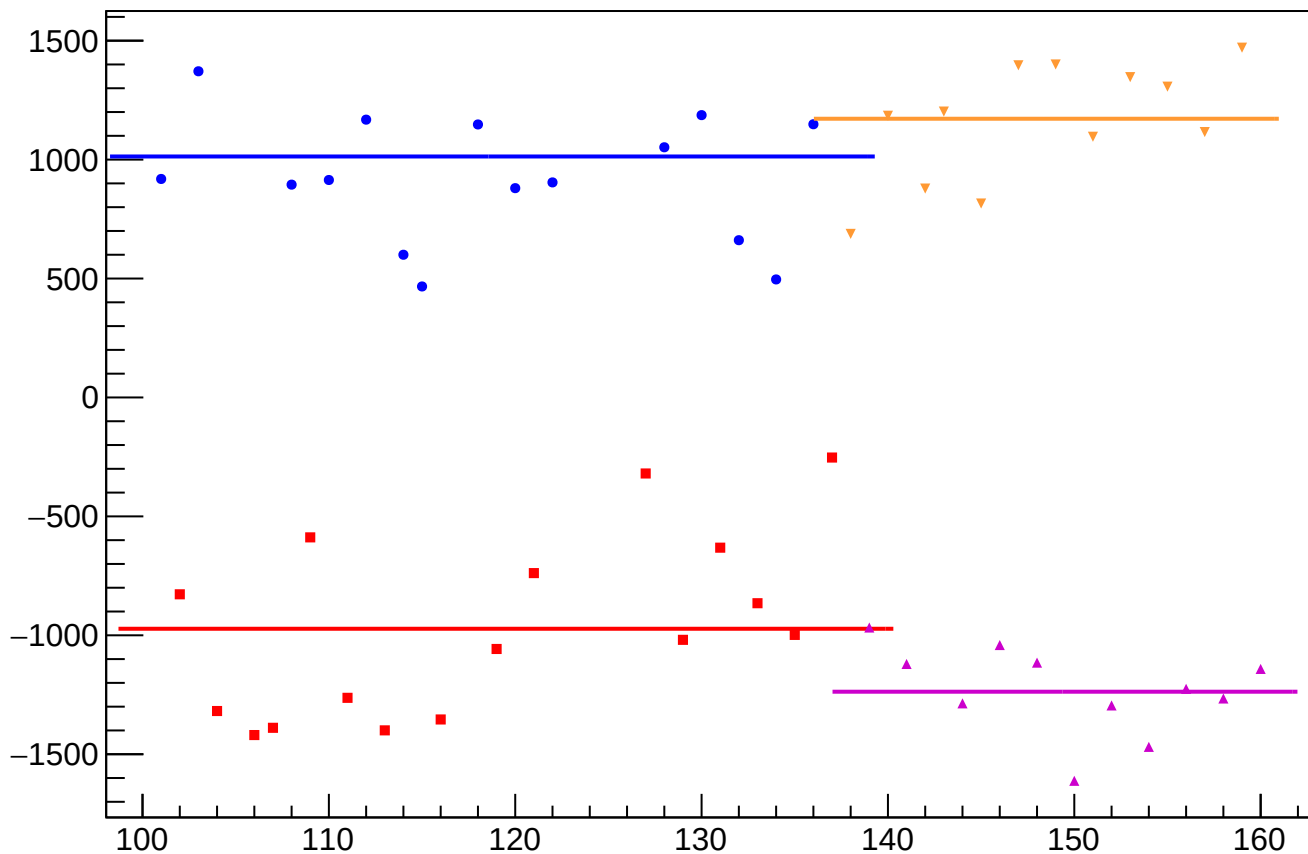
Right In: 4.785 ± 0.000 $\chi^2/\text{NDF}: 3996556073154779711808159470321664.0/14$
 Left Out: 5.542 ± 0.000 $\chi^2/\text{NDF}: 1063589592141187742244511087067136.0/11$
 Right Out: -4.598 ± 0.000 $\chi^2/\text{NDF}: 989607156792948633247632779640832.0/15$
 Left In: -5.441 ± 0.000 $\chi^2/\text{NDF}: 969147874620390855399339032838144.0/10$
 All: 0.024 ± 0.000 $\chi^2/\text{NDF}: 91405570612349$

dit_11X12X_coil6_err_mean vs Slug, Sign Corrected



Right In: 5.366 $\pm$ 0.000 χ^2 /NDF: 18780724722063497096153009301225472.0/14
 Left Out: 2.259 $\pm$ 0.000 χ^2 /NDF: 395399614951959116127821516242944.0/11
 Right Out: -5.192 $\pm$ 0.000 χ^2 /NDF: 15749573754945345754432436952891392.0/15
 Left In: -2.162 $\pm$ 0.000 χ^2 /NDF: 138367938839103248546751049629696.0/10
 All: 0.027 $\pm$ 0.000 χ^2 /NDF: 80711946071260

dit_11X12X_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

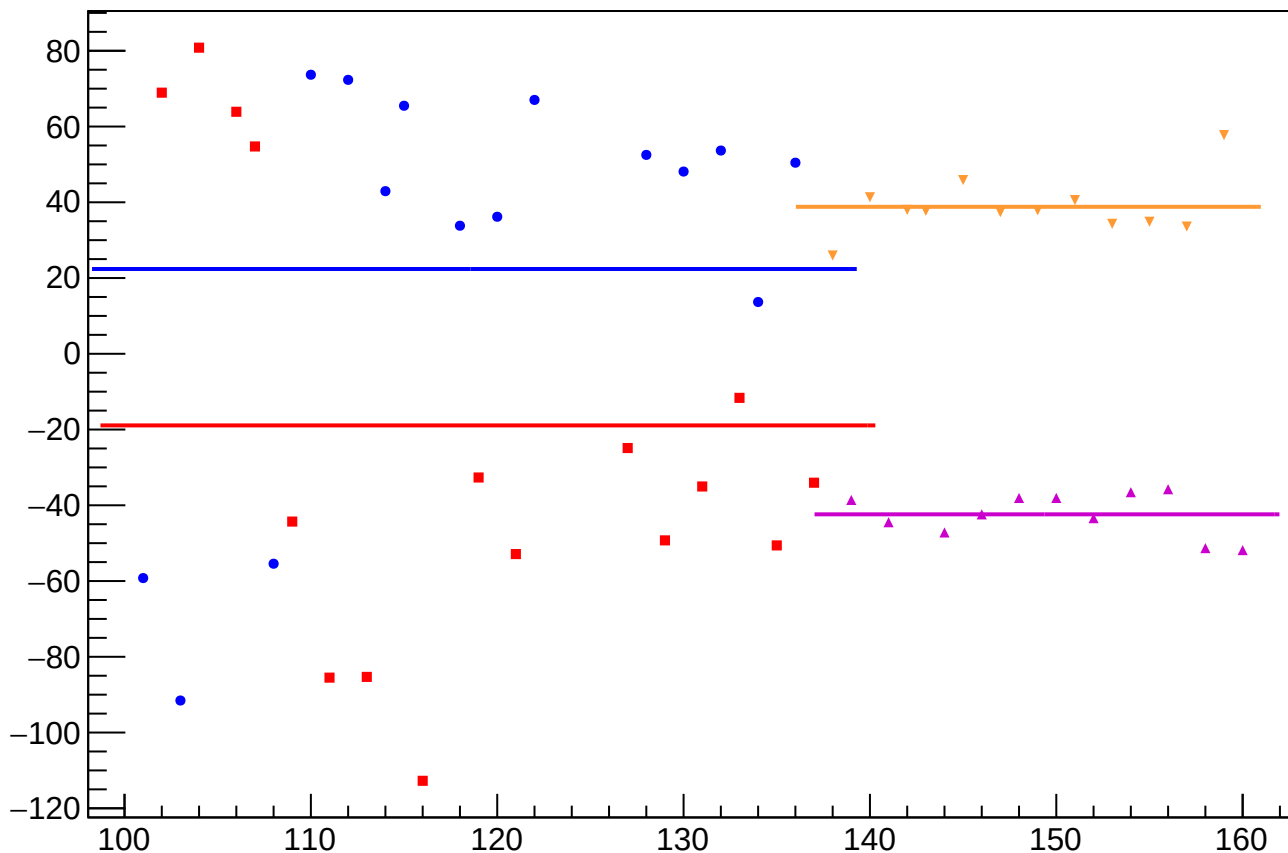
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_4aY_coil6_mean vs Slug, Sign Corrected



Right In: 22.385 $\pm$ 0.000

χ^2 /NDF: 1922260860023592637794094183323009024.0/14

Left Out: 38.806 $\pm$ 0.000

χ^2 /NDF: 51649905292188588204172531766132736.0/11

Right Out: -18.907 $\pm$ 0.000

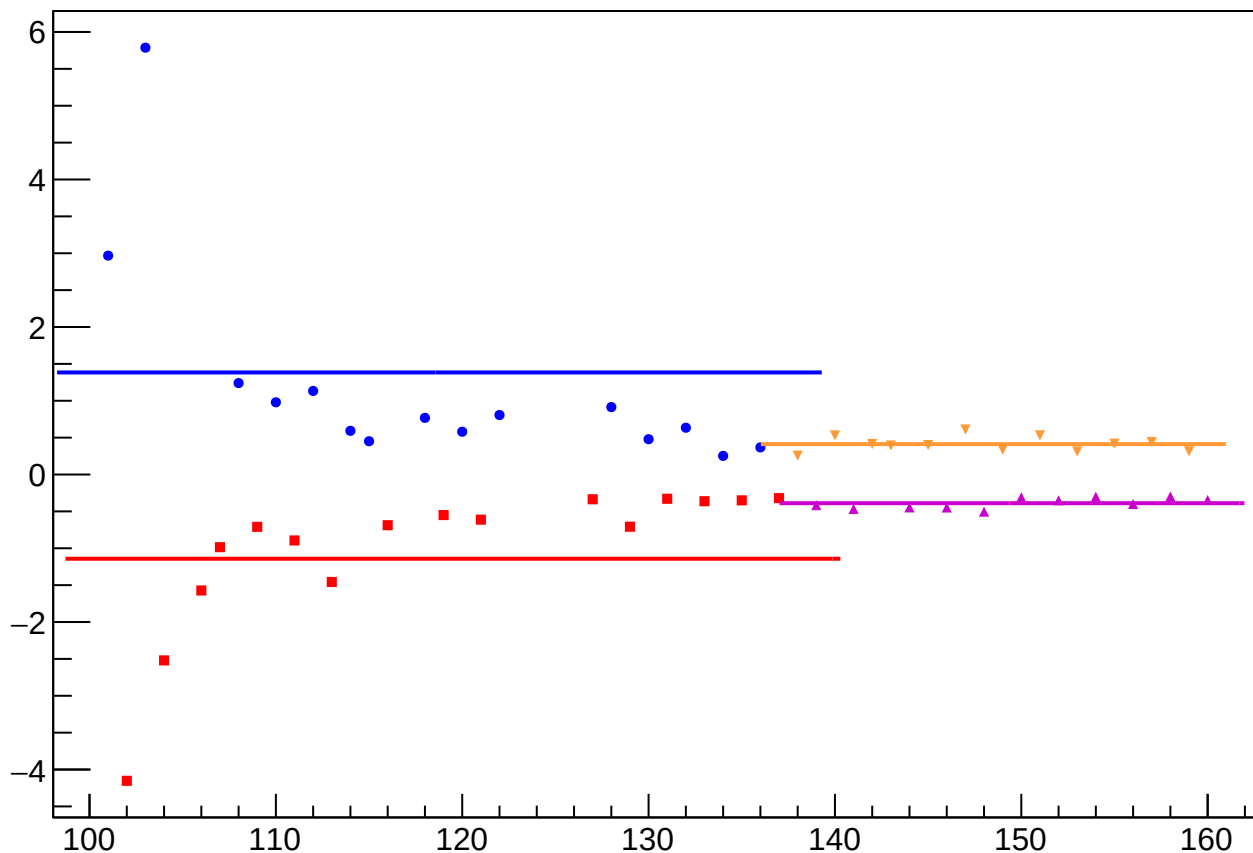
χ^2 /NDF: 2182221808408156293593993992757837824.0/15

Left In: -42.386 $\pm$ 0.000

χ^2 /NDF: 26555660128562986553016927486214144.0/10

All: -0.564 $\pm$ 0.000 χ^2 /NDF: 7781760585963

dit_4aY_coil6_err_mean vs Slug, Sign Corrected



Left: 0.010 +/- 0.000 χ^2/NDF : 308495296516211564

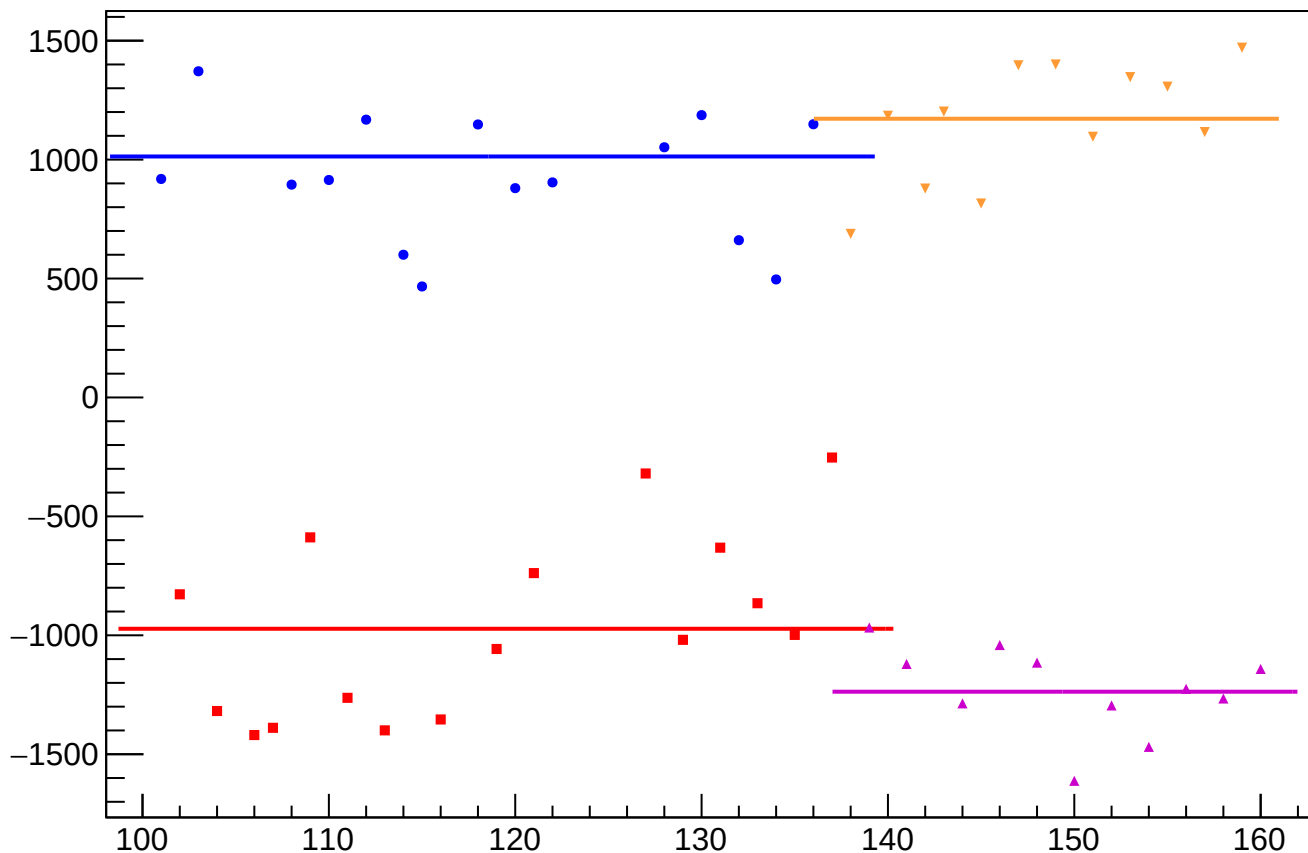
Right: 0.104 +/- 0.000 χ^2/NDF : 44802957007729023

In: 0.343 +/- 0.000 χ^2/NDF : 2773530065340727089

Out: -0.243 +/- 0.000 χ^2/NDF : 17511630764332006

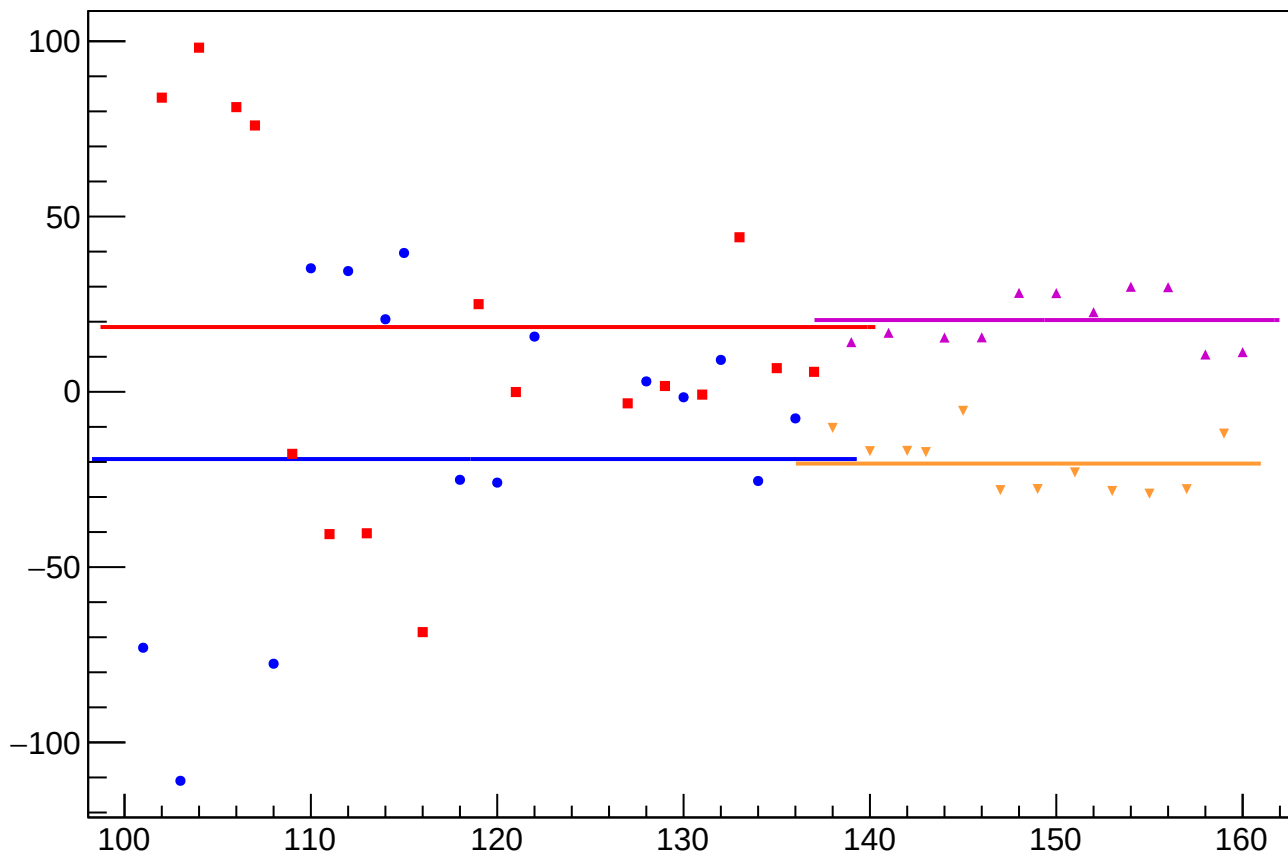
All: 0.049 +/- 0.000 χ^2/NDF : 47956046375431.0/10

dit_4aY_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000	χ^2/NDF : 31721270909522099205936100724856324096.0/14	Left: -39.225+/-0.000	χ^2/NDF : 2749183771125436
Left Out: 1171.807+/-0.000	χ^2/NDF : 52424901282098583856312492577037221888.0/11	Right: 6.761+/-0.000	χ^2/NDF : 14074954421733032
Right Out: -972.465+/-0.000	χ^2/NDF : 78884457200782655962756069915468234752.0/15	In: -308.706+/-0.000	χ^2/NDF : 1992534711877389
Left In: -1237.150+/-0.000	χ^2/NDF : 30323445843993737164691986740223672320.0/10	Out: 267.171+/-0.000	χ^2/NDF : 1904273666999186
		All: -20.037+/-0.000	χ^2/NDF : 415830099668

dit_4eY_coil6_mean vs Slug, Sign Corrected



Right In: -19.175 ± 0.000

χ^2/NDF : 1246364705689764961102868160463241216.0/14

Left Out: -20.466 ± 0.000

χ^2/NDF : 58628381923673457294433589512896512.0/11

Right Out: 18.479 ± 0.000

χ^2/NDF : 1489398115046175180640331393369374720.0/15

Left In: 20.473 ± 0.000

χ^2/NDF : 48484953363349820110348478937300992.0/10

Left: 0.115 ± 0.000 χ^2/NDF : 877202582639736103

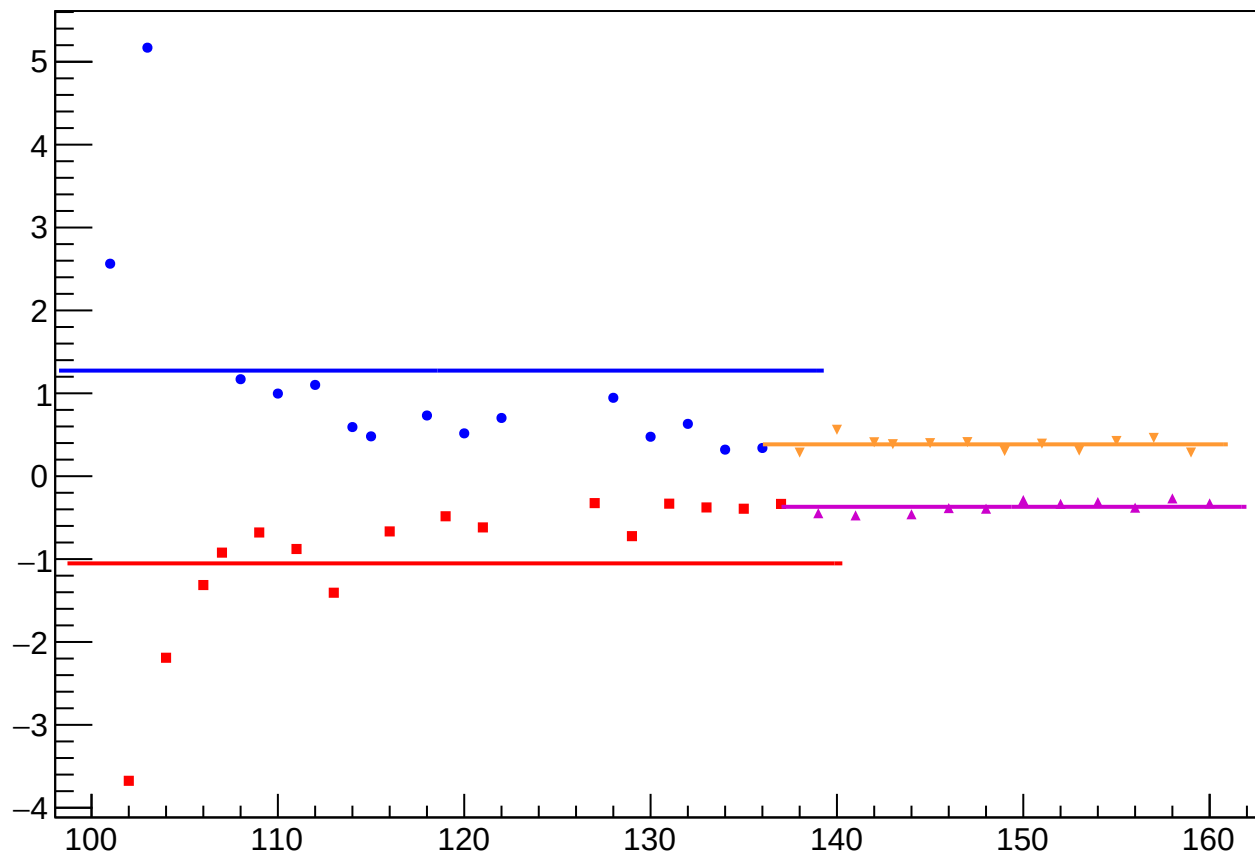
Right: -0.091 ± 0.000 χ^2/NDF : 3202145485356183

In: 4.115 ± 0.000 χ^2/NDF : 1894138593068178389

Out: -4.035 ± 0.000 χ^2/NDF : 21328659955407988

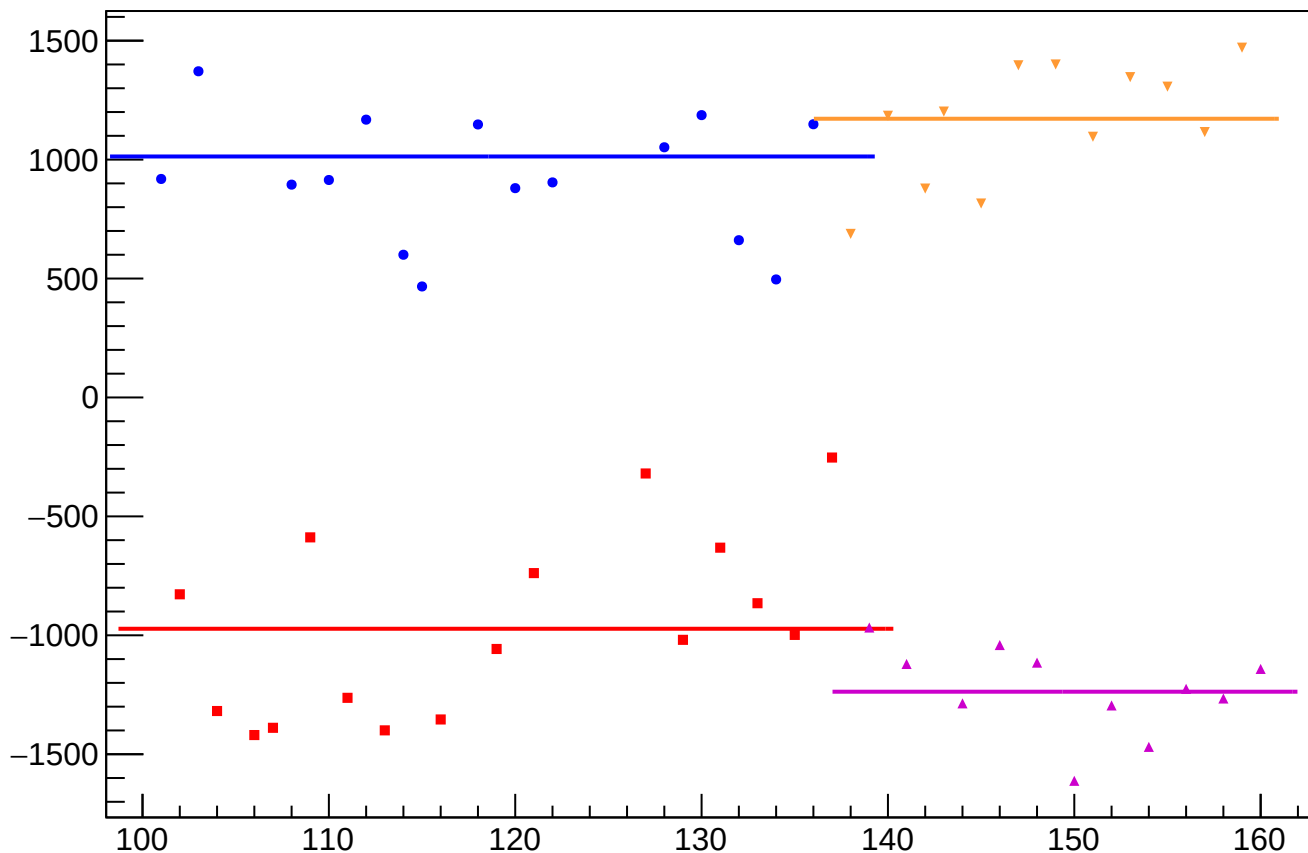
All: 0.029 ± 0.000 χ^2/NDF : 40793804983027

dit_4eY_coil6_err_mean vs Slug, Sign Corrected



Right In: 1.274 ± 0.000 $\chi^2/\text{NDF}: 1212041476631073599154045304438784.0/14$
 Left Out: 0.384 ± 0.000 $\chi^2/\text{NDF}: 5822322029078598268260129439744.0/11$
 Right Out: -1.052 ± 0.000 $\chi^2/\text{NDF}: 607316121057753919194559126962176.0/15$
 Left In: -0.369 ± 0.000 $\chi^2/\text{NDF}: 4166350638848138676707816112128.0/10$
 All: 0.043 ± 0.000 $\chi^2/\text{NDF}: 38758828381997$

dit_4eY_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

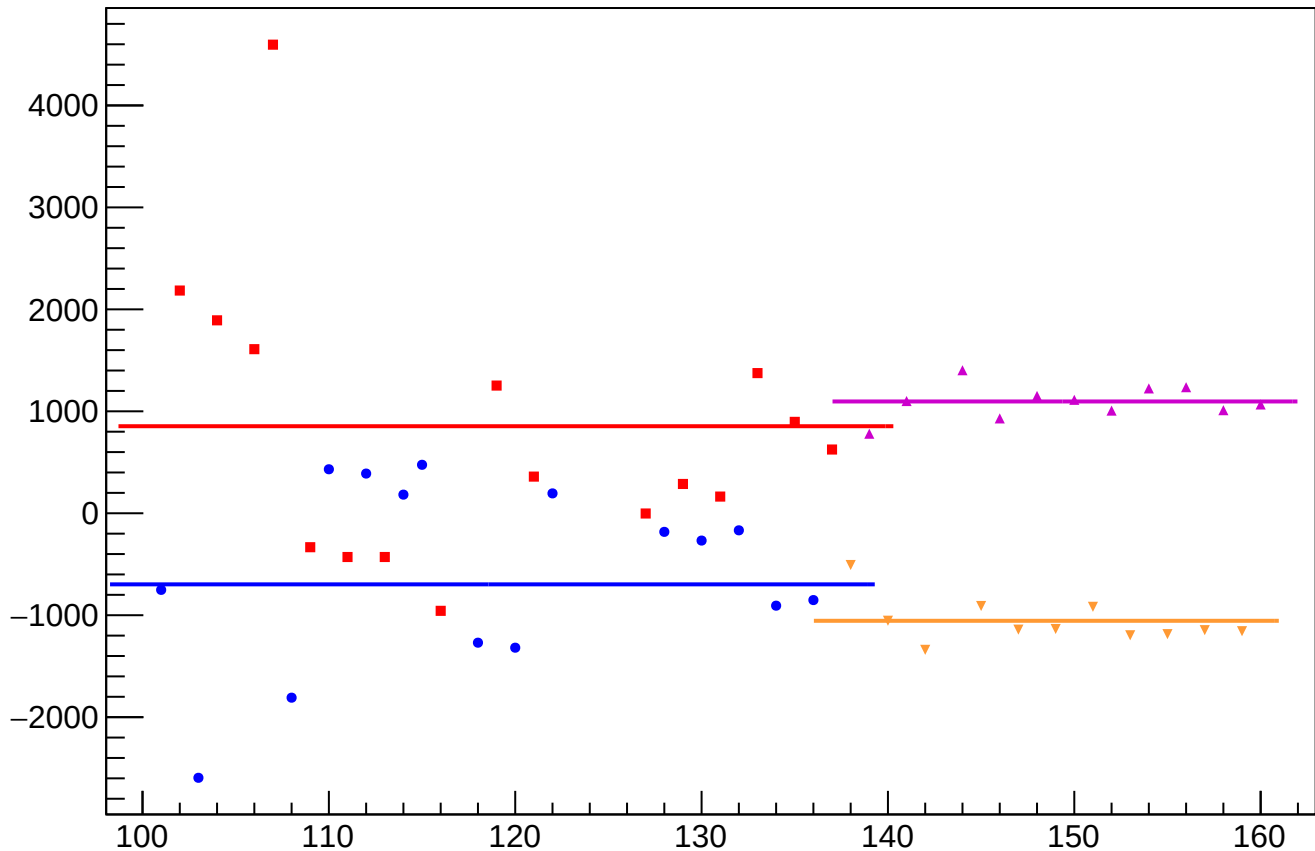
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_usl_coil6_mean vs Slug, Sign Corrected



Right In: -697.283+/-0.000

χ^2/NDF : 490435790698133828475769692944364208128.0/14

Left Out: -1054.675+/-0.000

χ^2/NDF : 35893414561751289831028004535805149184.0/10

Right Out: 853.734+/-0.000

χ^2/NDF : 1078379020126412317155932275156201766912.0/15

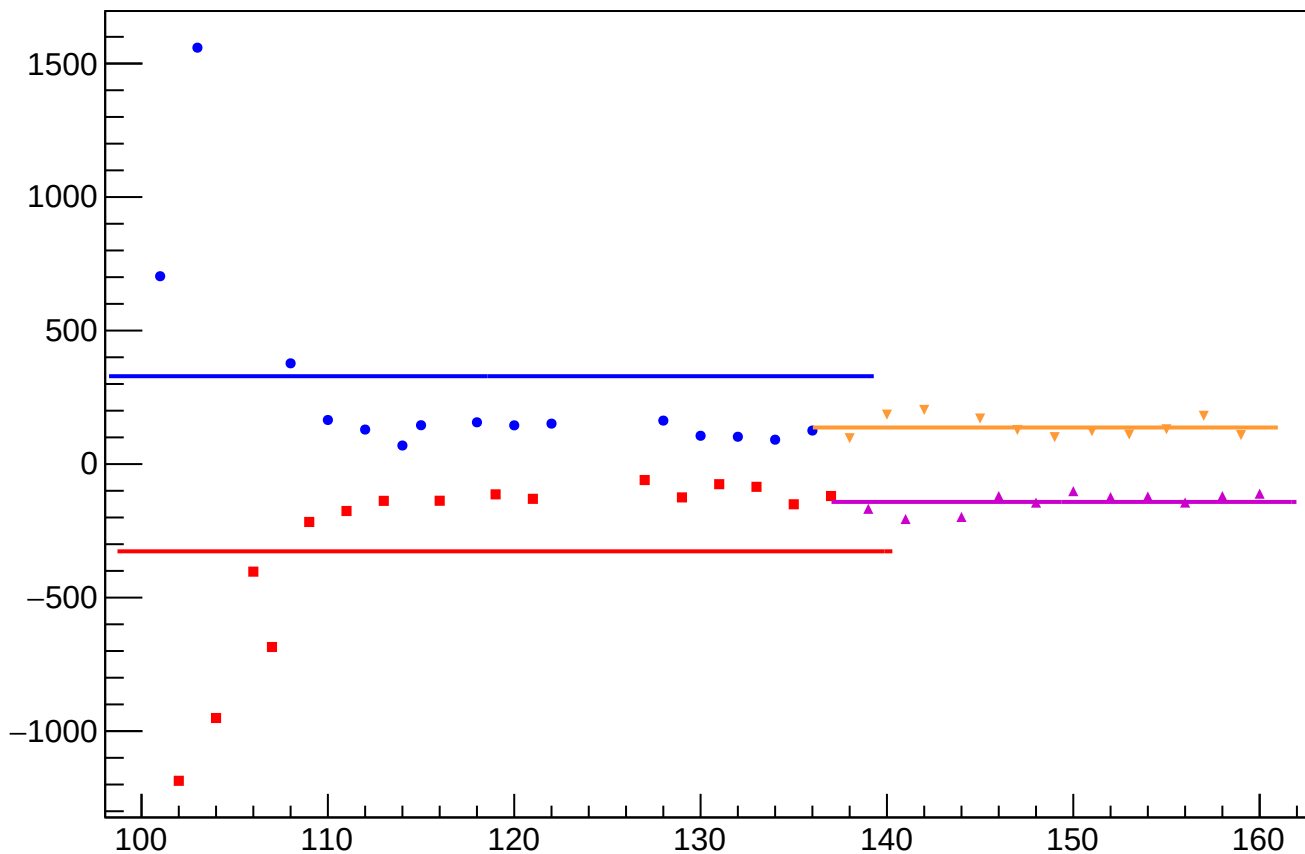
Left In: 1096.508+/-0.000

χ^2/NDF : 23397092464085092375008014674557927424.0/10

All: 76.698+/-0.000

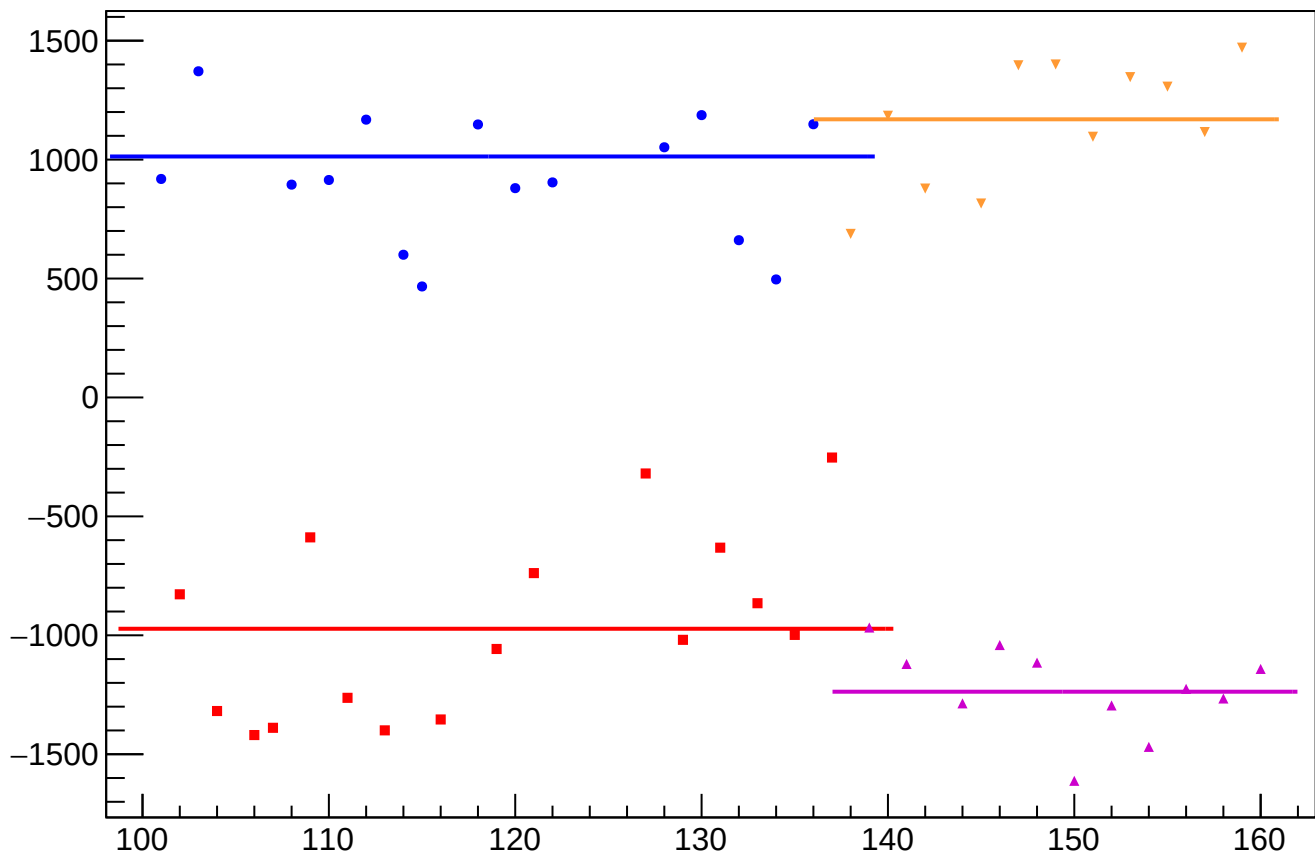
χ^2/NDF : 4464746513505

dit_usl_coil6_err_mean vs Slug, Sign Corrected



Right In: 329.108 +/- 0.000 χ^2/NDF : 116863820700538623524207945698672377856.0/14
 Left Out: 137.012 +/- 0.000 χ^2/NDF : 1014362817438194132709655172622581760.0/10
 Right Out: -326.695 +/- 0.000 χ^2/NDF : 87569123354318020688611028415151079424.0/15
 Left In: -141.688 +/- 0.000 χ^2/NDF : 1044882408057849194081424130600599552.0/10
 All: -6.215 +/- 0.000 χ^2/NDF : 3823059515642

dit_usl_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1169.420+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52359058528484212152975817930553950208.0/10

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -86.182+/-0.000 χ^2/NDF : 2642058453366472

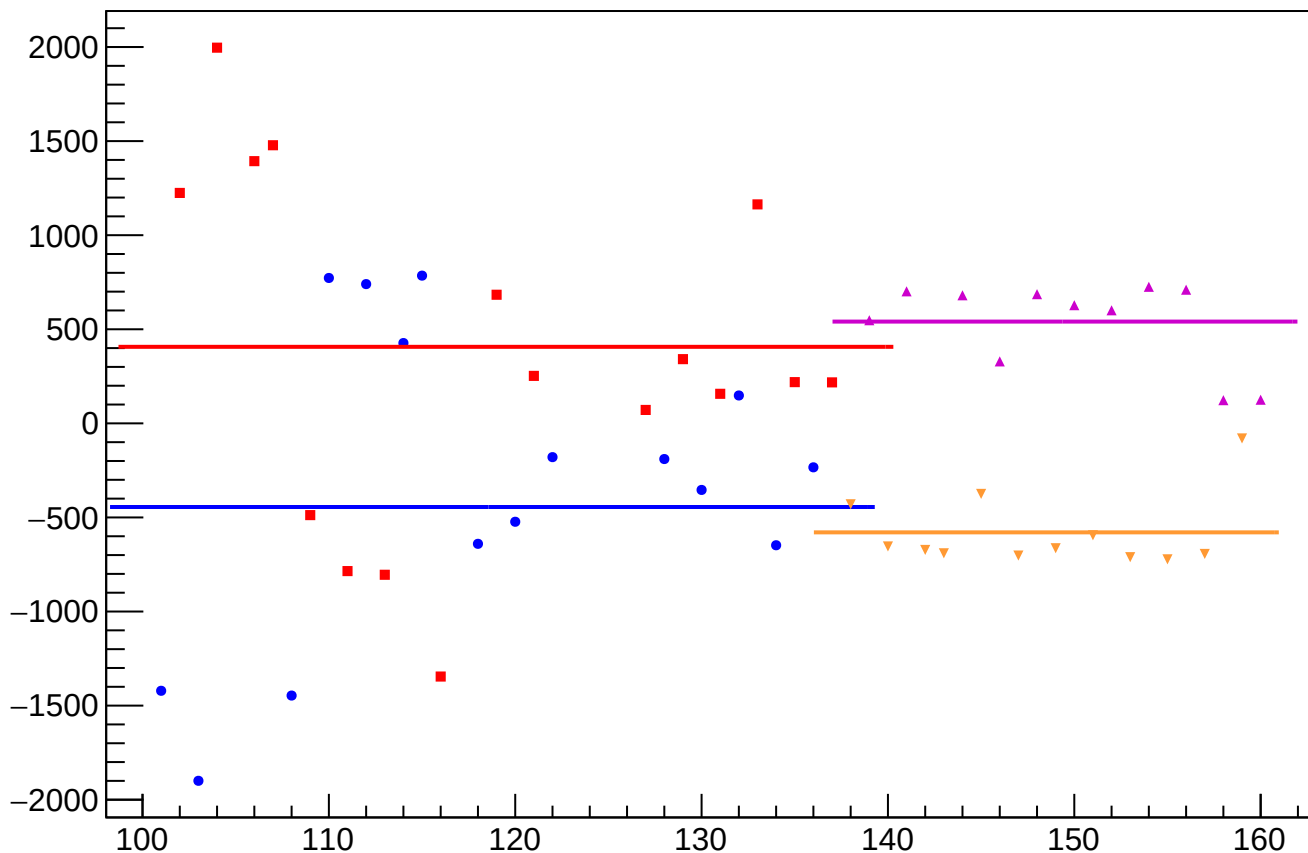
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: 308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 225.803+/-0.000 χ^2/NDF : 1843132897386969

All: -46.560+/-0.000 χ^2/NDF : 405607578172

dit_usr_coil6_mean vs Slug, Sign Corrected



Right In: -444.512+/-0.000

χ^2/NDF : 396481903501593703066535851229953654784.0/14

Left: -16.168+/-0.000 χ^2/NDF : 6517518654293770

Right: -13.070+/-0.000 χ^2/NDF : 116395703795034

Left Out: -579.272+/-0.000

χ^2/NDF : 32584581524528860941595597407042666496.0/11

In: 134.297+/-0.000 χ^2/NDF : 80929743970512617

Right Out: 406.729+/-0.000

χ^2/NDF : 529122421866774810012941782239129108480.0/15

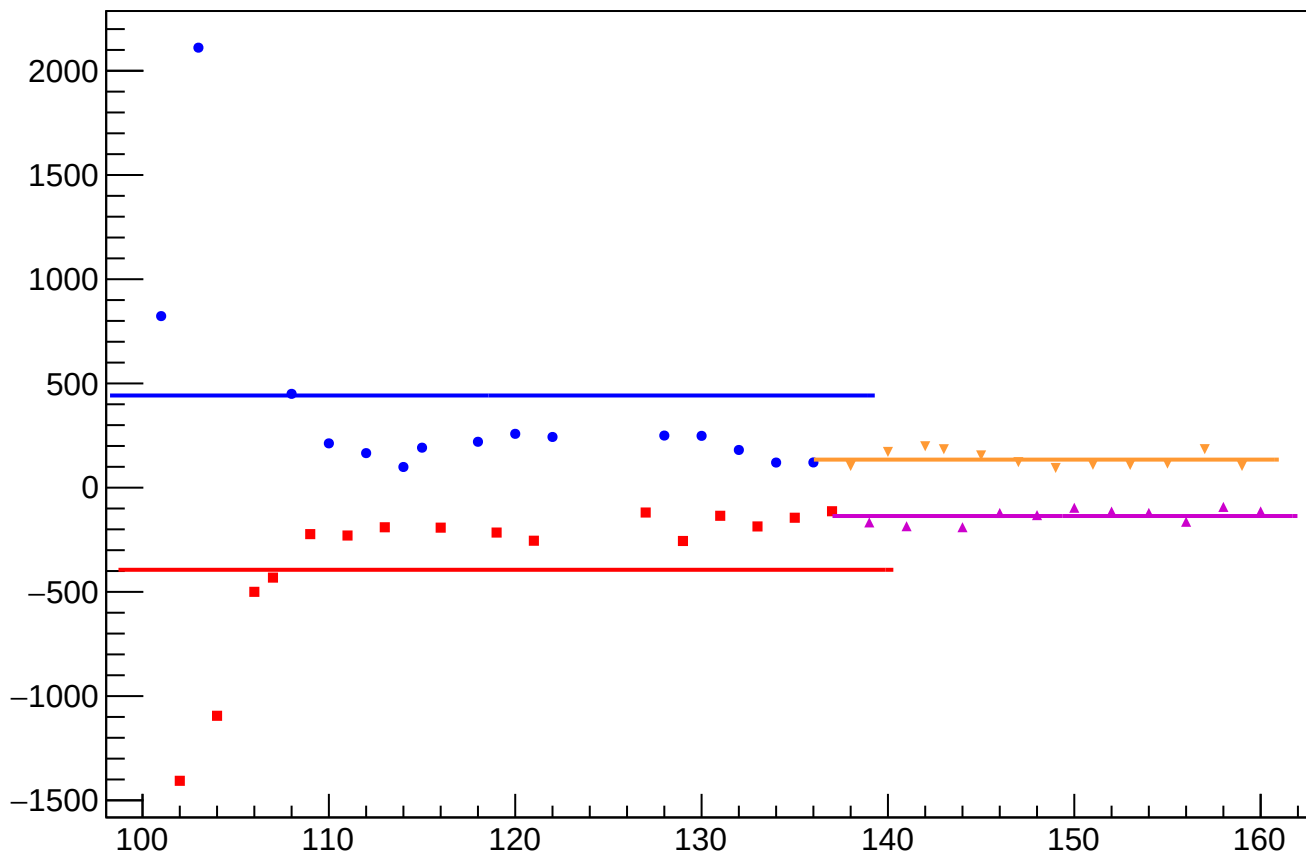
Out: -163.293+/-0.000 χ^2/NDF : 936589740364006

Left In: 540.842+/-0.000

χ^2/NDF : 42670193317497817911030367466366697472.0/10

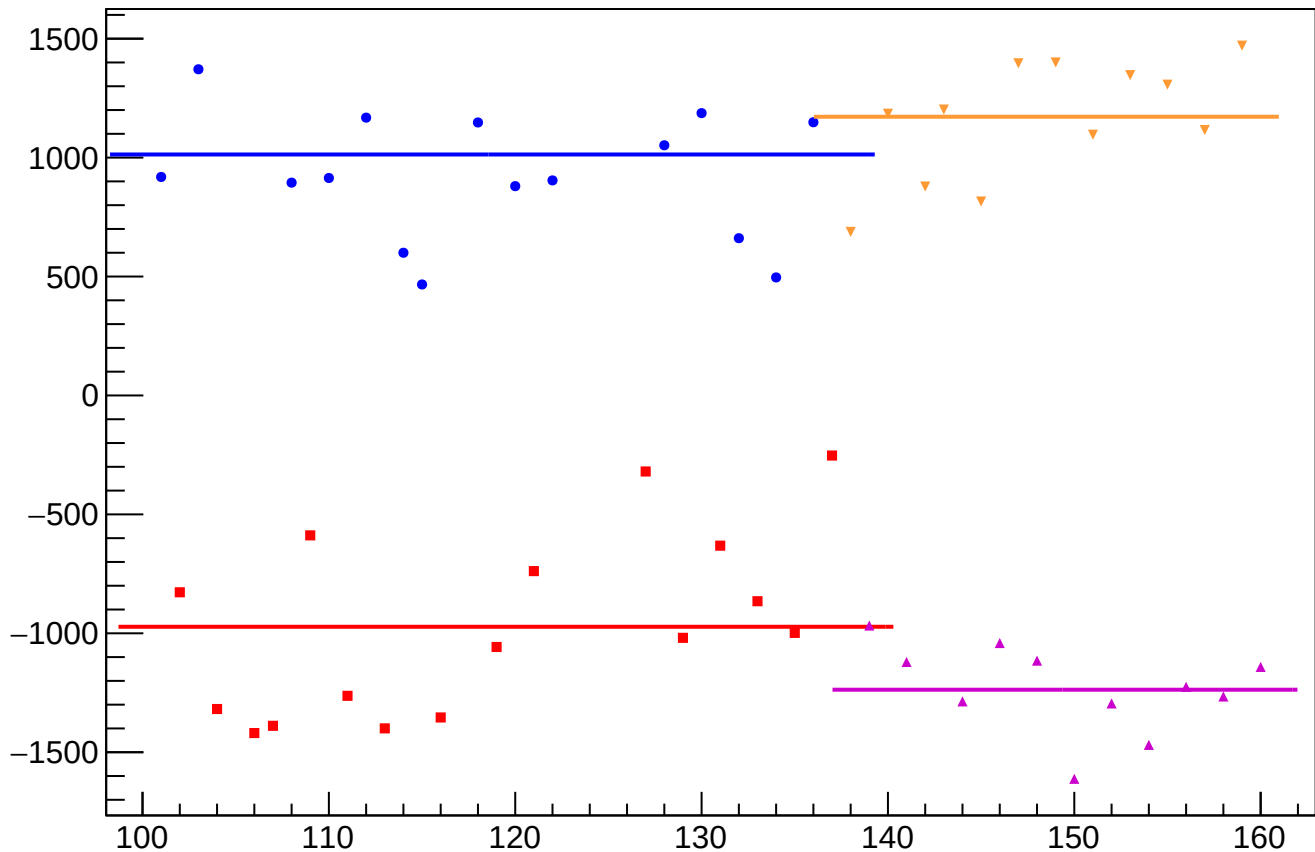
All: -14.875+/-0.000 χ^2/NDF : 181571626575

dit_usr_coil6_err_mean vs Slug, Sign Corrected



Right In: 442.162 +/- 0.000 χ^2/NDF : 204015999343694089140945697316947361792.0/14
 Left Out: 134.562 +/- 0.000 χ^2/NDF : 1123122265403287497024317633834516480.0/11
 Right Out: -394.033 +/- 0.000 χ^2/NDF : 105882611624182009489804426207740035072.0/15
 Left In: -136.040 +/- 0.000 χ^2/NDF : 1011093061479650527261127450495549440.0/10
 All: 6.795 +/- 0.000 χ^2/NDF : 57598156309211

dit_usr_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1171.807+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52424901282098583856312492577037221888.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

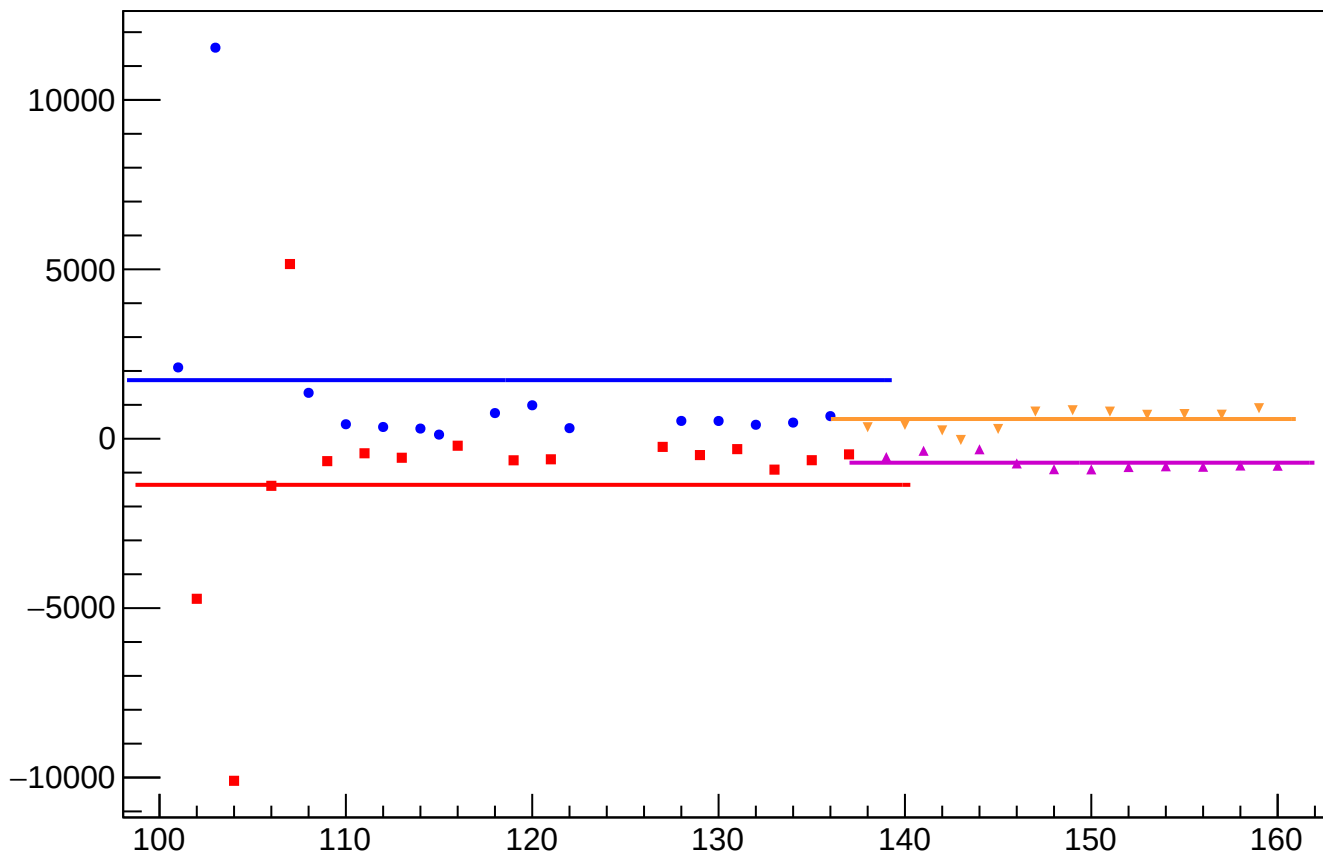
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

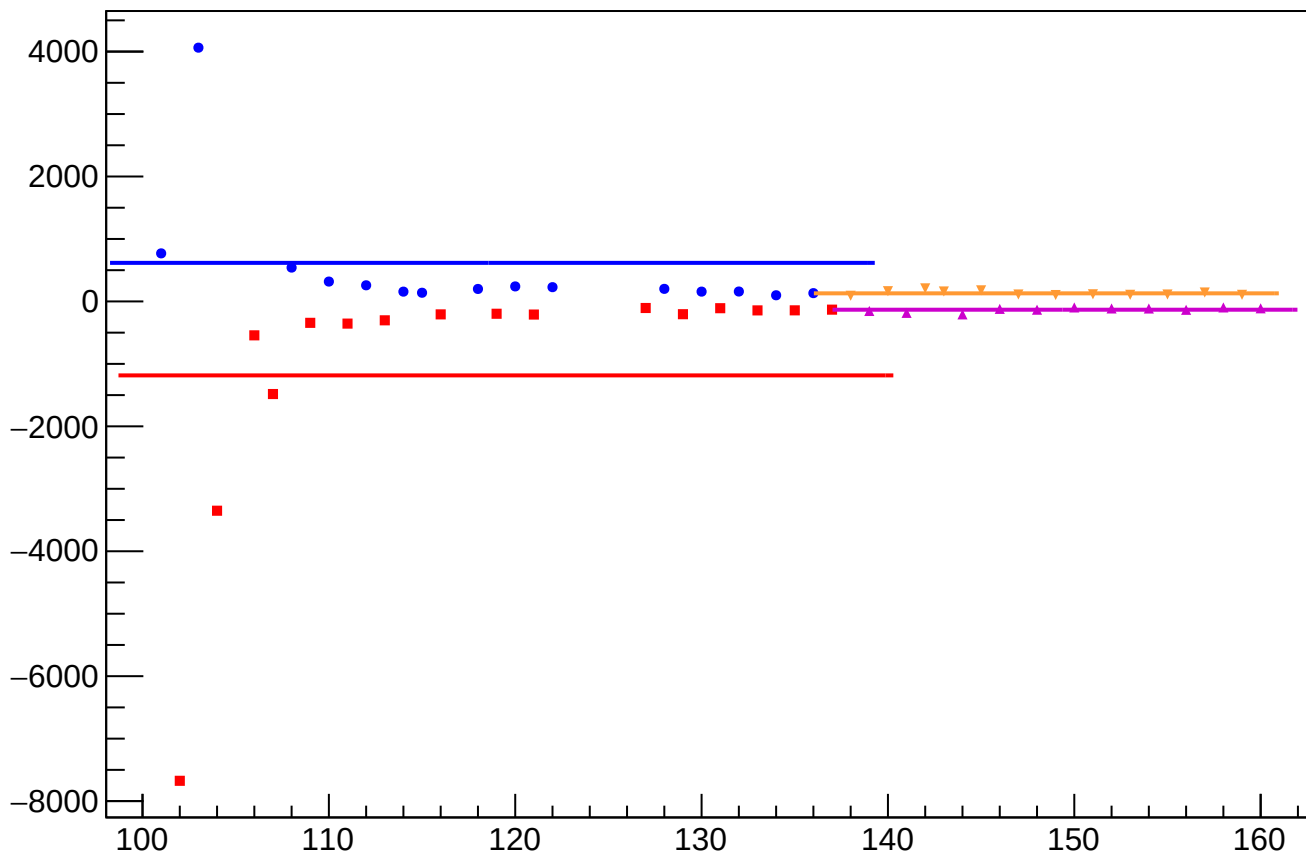
All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_atl1_coil6_mean vs Slug, Sign Corrected



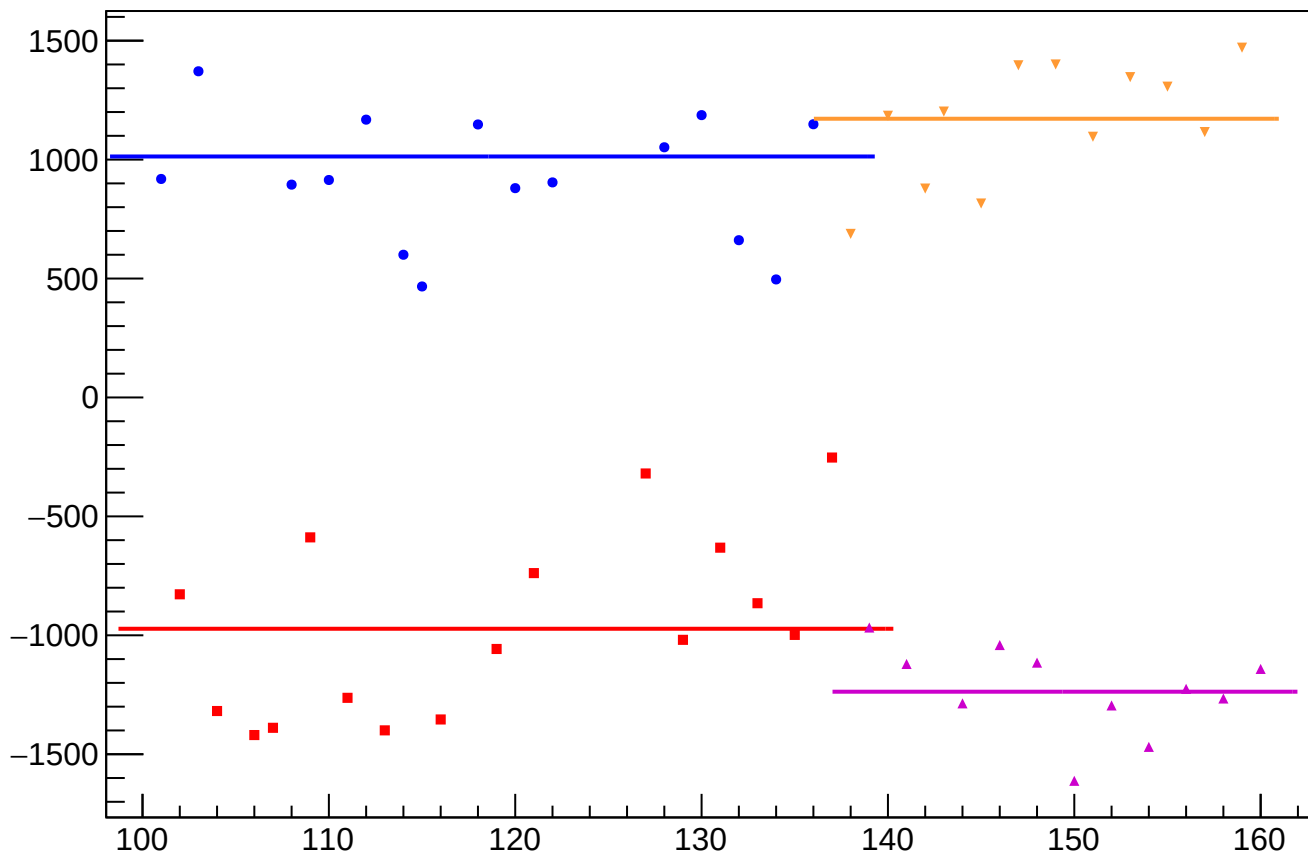
Right In: 1729.013+/-0.000 χ^2/NDF : 6413121297273347408075624116507964866560.0/14
 Left Out: 582.152+/-0.000 χ^2/NDF : 70083772647831486125732989768801714176.0/11
 Right Out: -1360.914+/-0.000 χ^2/NDF : 6431605933148863413038417850186506174464.0/15
 Left In: -707.889+/-0.000 χ^2/NDF : 38116486188817980699032426002432131072.0/10
 All: 29.296+/-0.000 χ^2/NDF : 1689851779226

dit_atl1_coil6_err_mean vs Slug, Sign Corrected



Right In: 617.343+/-0.000 χ^2/NDF : 792366012985954198345317750268755968000.0/14
 Left Out: 129.339+/-0.000 χ^2/NDF : 987271298758703212489370439899938816.0/11
 Right Out: -1184.322+/-0.000 χ^2/NDF : 3167423043121242666563535820496559931392.0/15
 Left In: -132.869+/-0.000 χ^2/NDF : 1091839085664014112201463155711279104.0/10
 All: -124.871+/-0.000 χ^2/NDF : 51271793033

dit_atl1_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1171.807+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52424901282098583856312492577037221888.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

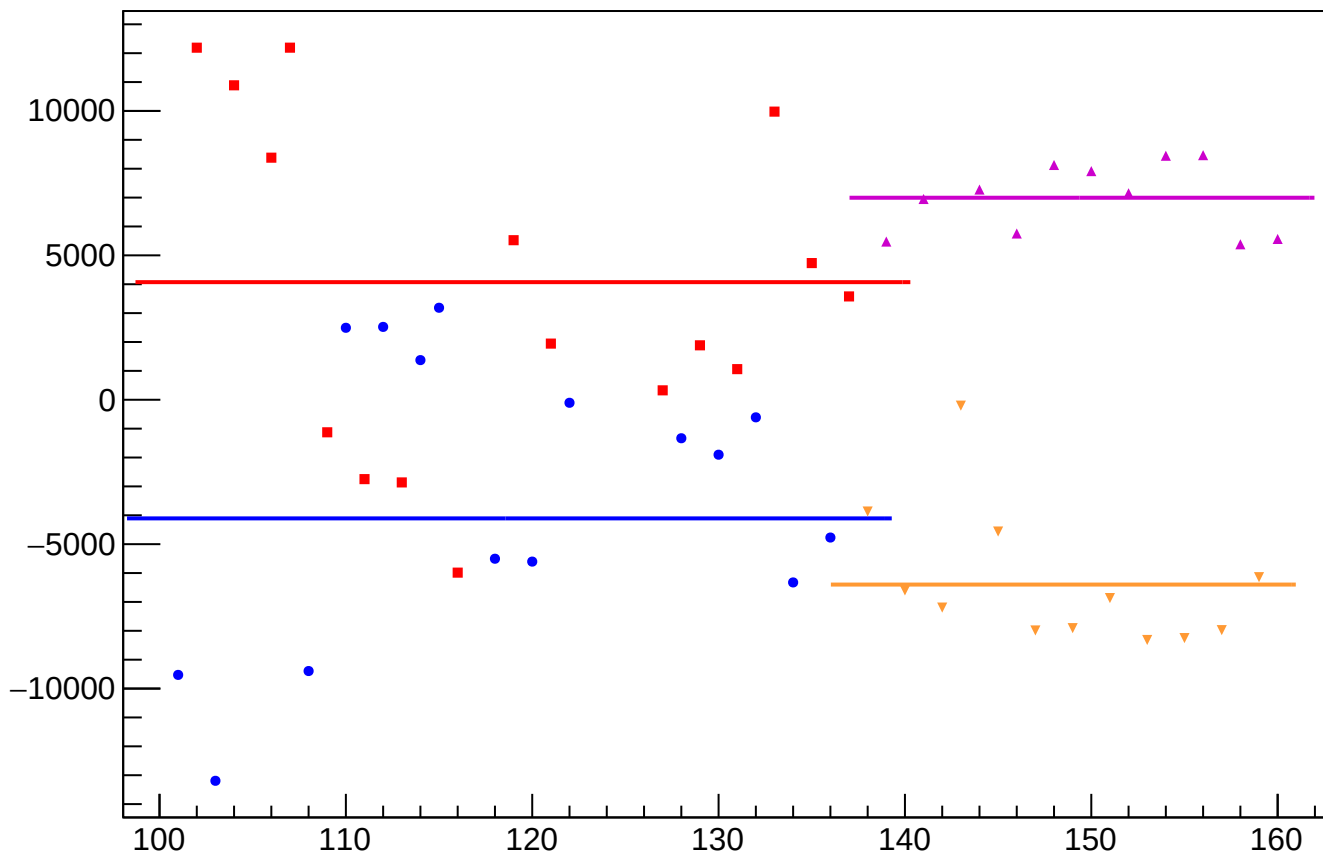
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_atl2_coil6_mean vs Slug, Sign Corrected



Right In: -4107.443+/-0.000

Left Out: -6398.906+/-0.000

Right Out: 4072.120+/-0.000

Left In: 6994.812+/-0.000

χ^2/NDF : 14527436324982031454277780831211819630592.0/14

χ^2/NDF : 4560292812943761149136938286094472970240.0/11

χ^2/NDF : 20367171423690168095778854678764929941504.0/15

χ^2/NDF : 1231738289385705389055875270097690951680.0/10

Left: 334.389+/-0.000 χ^2/NDF : 8822007925031666

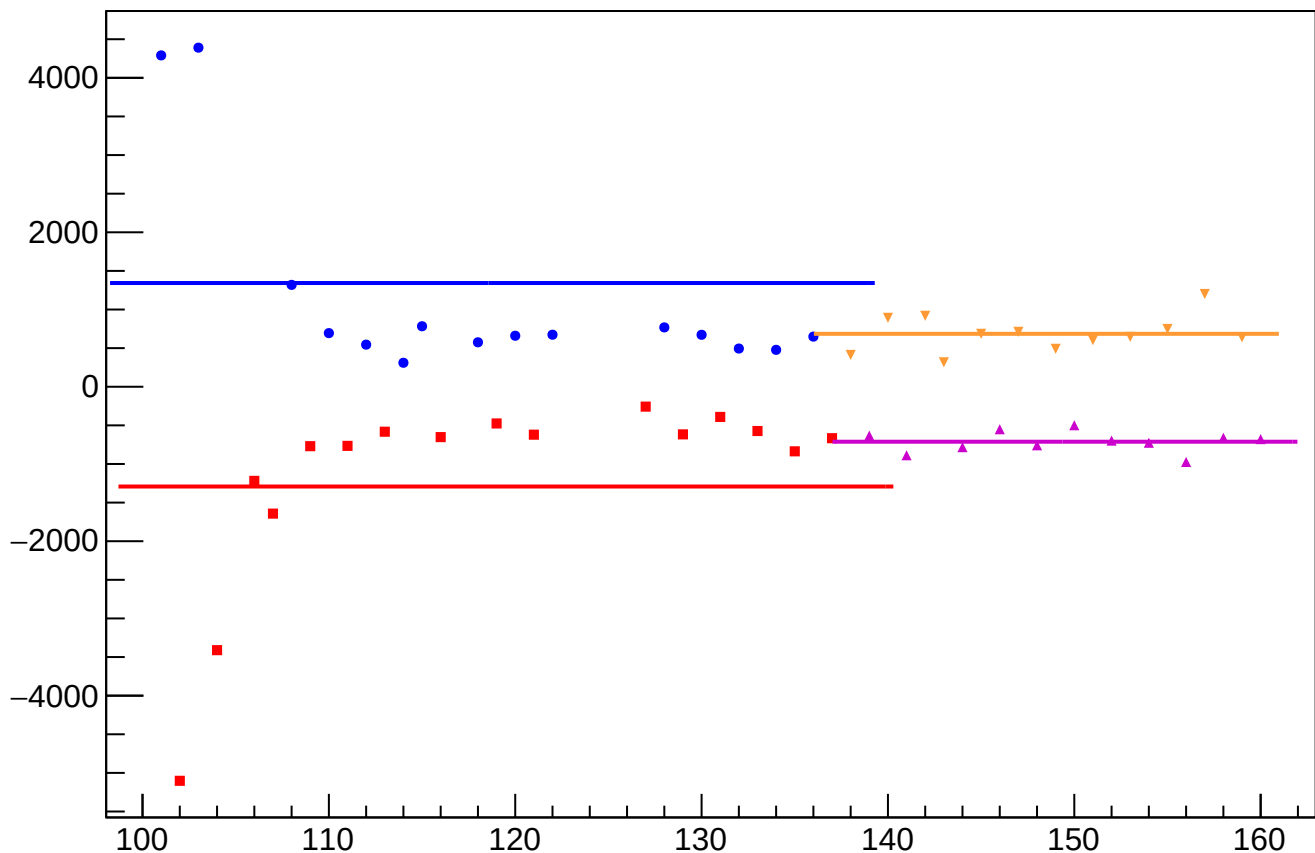
Right: 38.278+/-0.000 χ^2/NDF : 5690231407009786

In: 2414.162+/-0.000 χ^2/NDF : 6274970680925114

Out: -1981.339+/-0.000 χ^2/NDF : 67205872968541

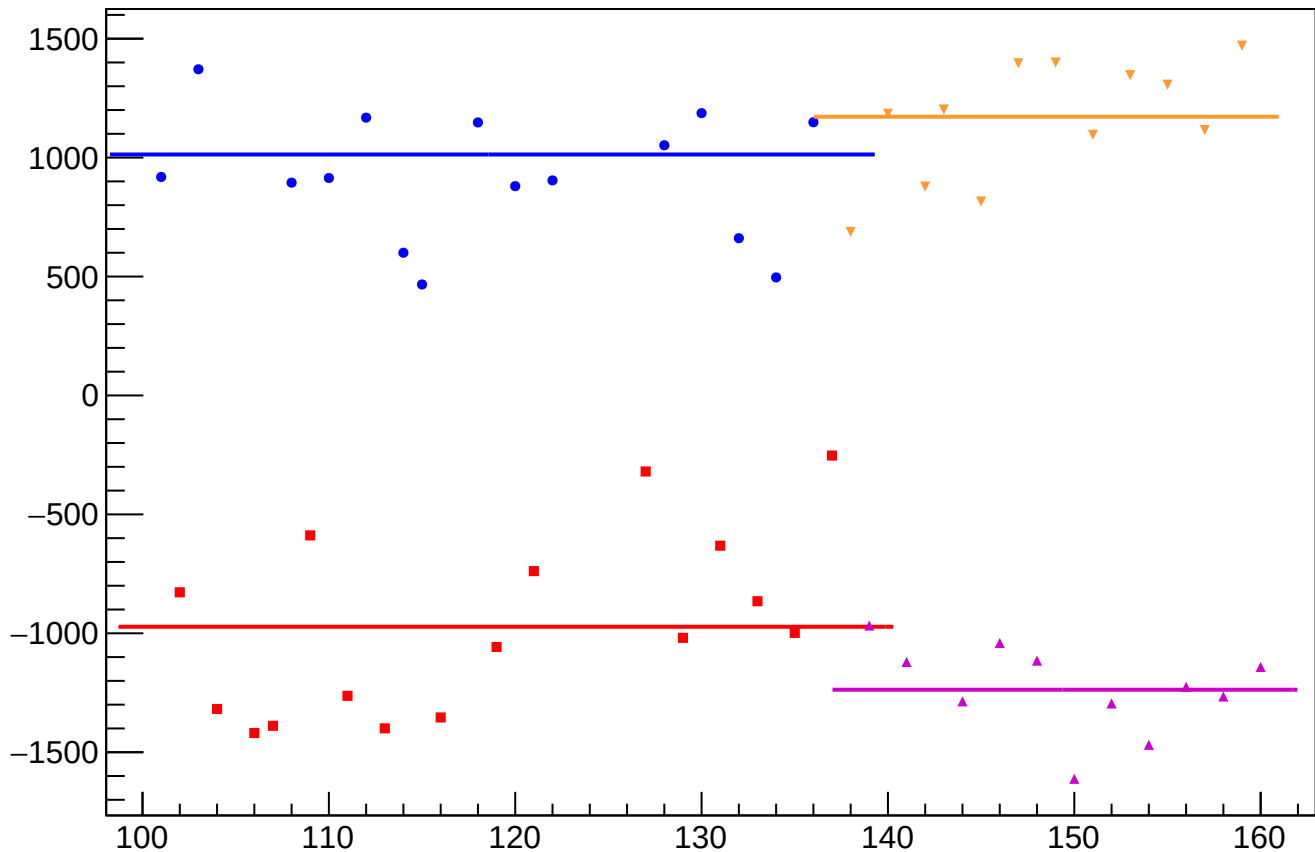
All: 210.837+/-0.000 χ^2/NDF : 145189636575

dit_atl2_coil6_err_mean vs Slug, Sign Corrected



Right In: 1343.321+/-0.000 χ^2/NDF : 1317478352429773686550511077330771771392.0/14
 Left Out: 685.307+/-0.000 χ^2/NDF : 46333249080985813233742212153458294784.0/11
 Right Out: -1291.796+/-0.000 χ^2/NDF : 1323568917008872977905960011586991030272.0/15
 Left In: -711.726+/-0.000 χ^2/NDF : 15873419979583207307068429247017123840.0/10
 All: -6.683+/-0.000 χ^2/NDF : 5884601406998

dit_atl2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

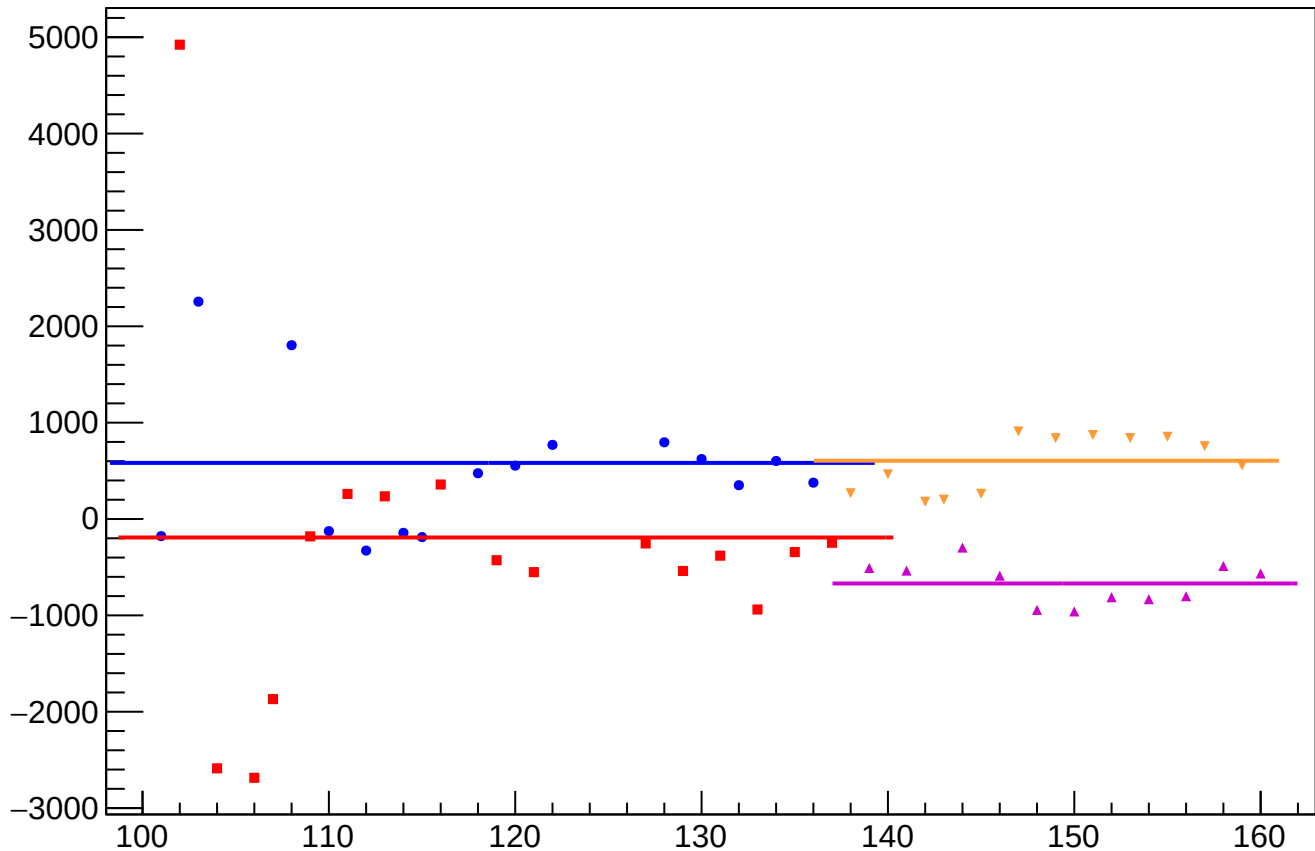
χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_atr1_coil6_mean vs Slug, Sign Corrected



Right In: 582.390+/-0.000

χ^2/NDF : 338796567623032040072791996460490031104.0/14

Left Out: 605.074+/-0.000

χ^2/NDF : 67912515245446196729937130882705915904.0/11

Right Out: -191.587+/-0.000

χ^2/NDF : 2168762120552346223416743005020716269568.0/15

Left In: -669.155+/-0.000

χ^2/NDF : 39481195240563617253842230522616479744.0/10

Left: -35.507+/-0.000 χ^2/NDF : 8534436967394536

Right: 190.108+/-0.000

χ^2/NDF : 270460615635385

In: -152.784+/-0.000

χ^2/NDF : 9754243982311555

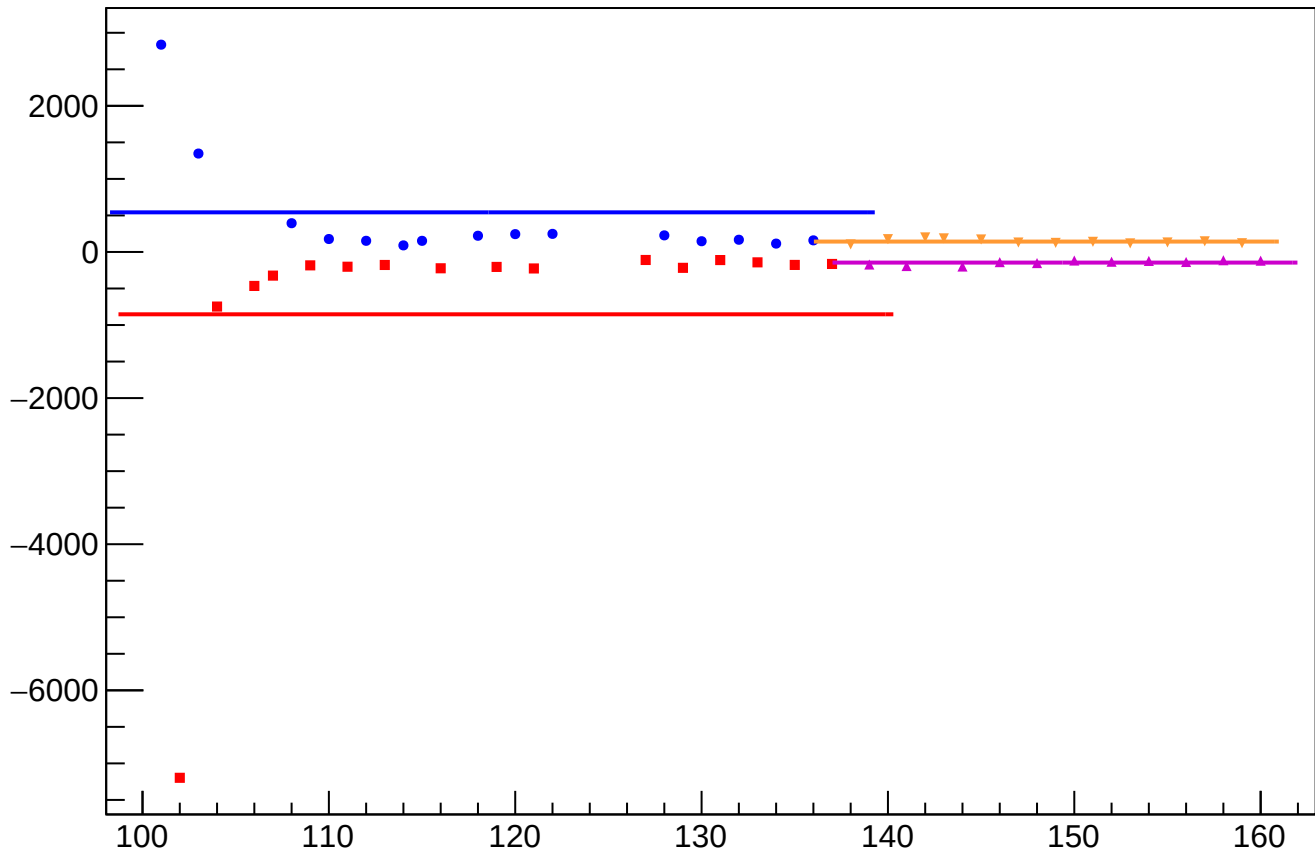
Out: 268.975+/-0.000

χ^2/NDF : 2481404905102664

All: 58.630+/-0.000

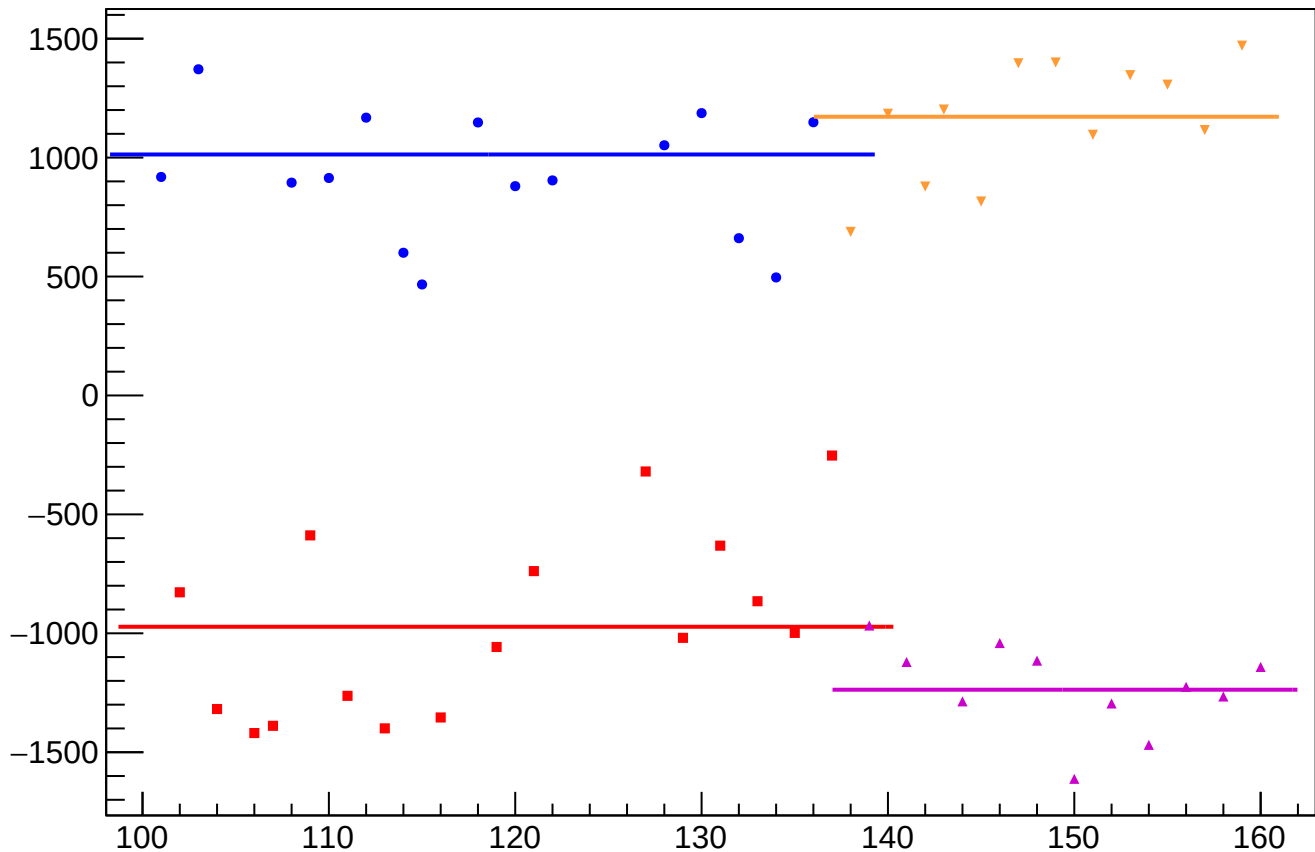
χ^2/NDF : 3597086809072

dit_atr1_coil6_err_mean vs Slug, Sign Corrected



Left: -2.367 +/- 0.000 χ^2/NDF : 39549748395756711
 Right In: 542.328 +/- 0.000 χ^2/NDF : 414378812003795549649034048462817067008.0/14
 Right: -164.982 +/- 0.000 χ^2/NDF : 36290648240362
 Left Out: 142.333 +/- 0.000 χ^2/NDF : 699754234994212847043453967042347008.0/11
 In: 138.288 +/- 0.000 χ^2/NDF : 5955245908966435
 Right Out: -853.203 +/- 0.000 χ^2/NDF : 2574076381441046787772449137133917044736.0/15
 Out: -277.669 +/- 0.000 χ^2/NDF : 295694420364328
 Left In: -145.502 +/- 0.000 χ^2/NDF : 782066035610550272928661281894825984.0/10
 All: -70.218 +/- 0.000 χ^2/NDF : 368889410963

dit_atr1_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

Left Out: 1171.807+/-0.000

Right Out: -972.465+/-0.000

Left In: -1237.150+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

χ^2/NDF : 52424901282098583856312492577037221888.0/11

χ^2/NDF : 78884457200782655962756069915468234752.0/15

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

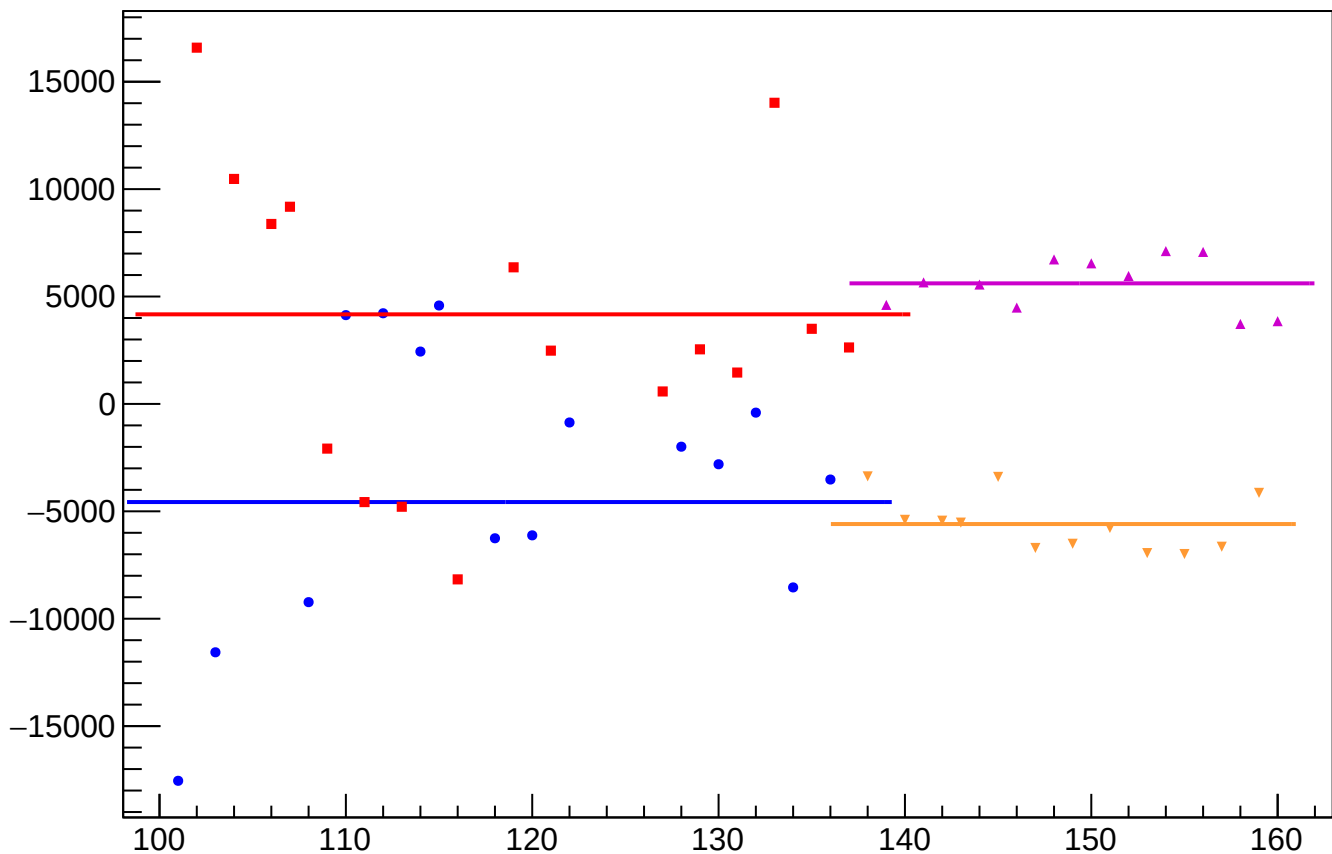
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_atr2_coil6_mean vs Slug, Sign Corrected



Right In: -4568.297+/-0.000

Left Out: -5592.357+/-0.000

Right Out: 4170.773+/-0.000

Left In: 5613.024+/-0.000

χ^2/NDF : 24195052148165719540713110921977756909568.0/14

χ^2/NDF : 1502507998590915650067934753088681803776.0/11

χ^2/NDF : 30967248832187912041113909559481103024128.0/15

χ^2/NDF : 1272210659936261957248133173503170969600.0/10

Left: 40.816+/-0.000 χ^2/NDF : 60468092890171926

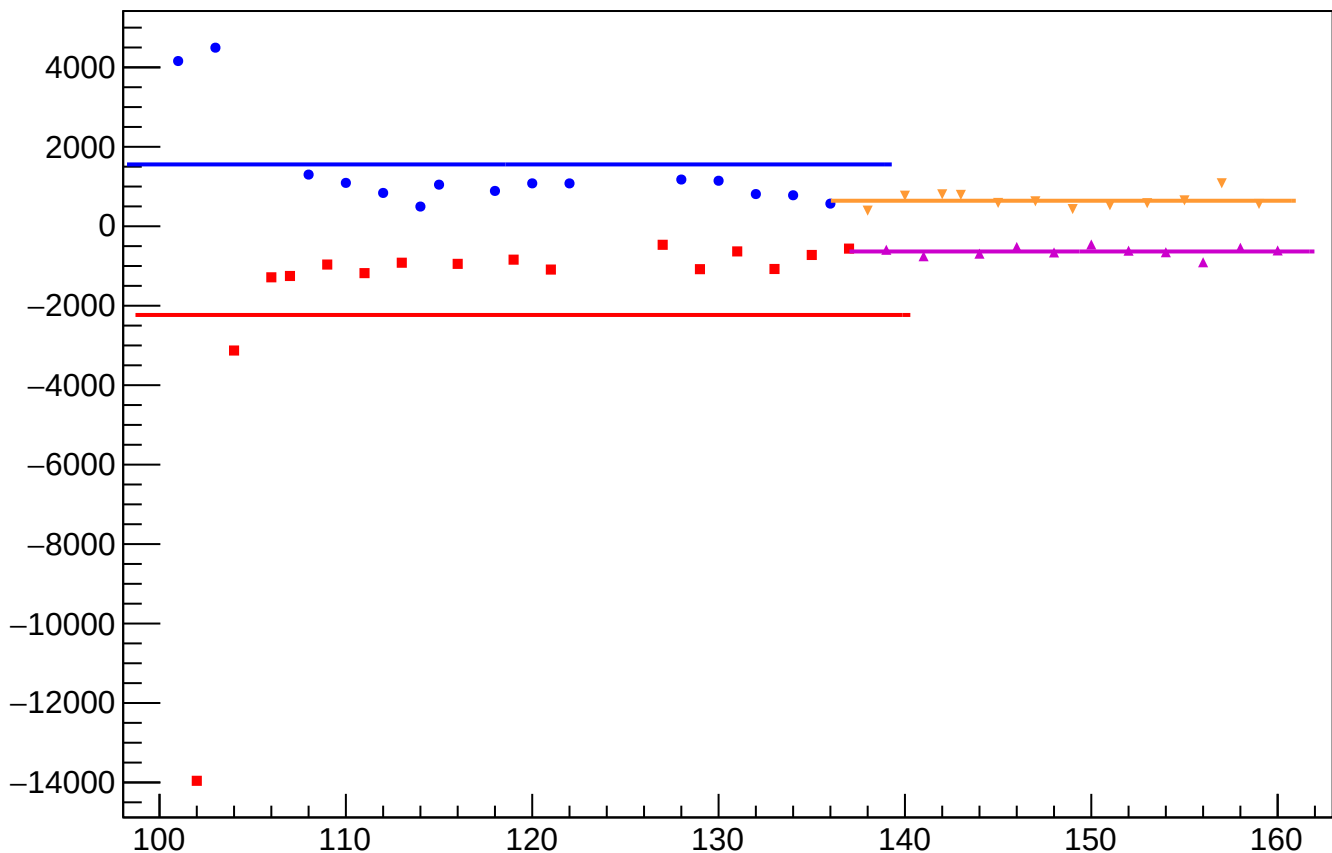
Right: -138.996+/-0.000 χ^2/NDF : 80283768430562

In: 1412.339+/-0.000 χ^2/NDF : 649853745086205

Out: -1473.440+/-0.000 χ^2/NDF : 69224914404037

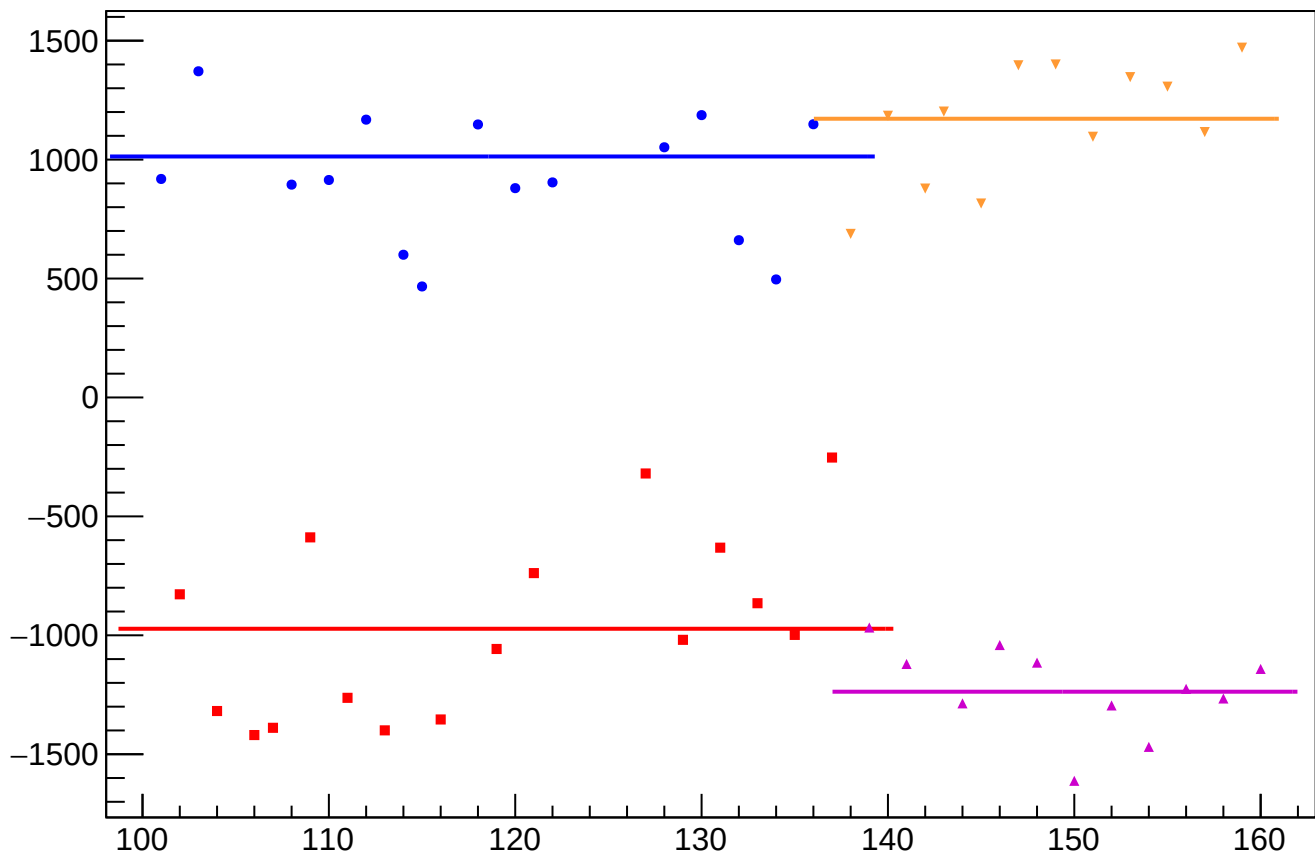
All: -34.210+/-0.000 χ^2/NDF : 140776657149

dit_atr2_coil6_err_mean vs Slug, Sign Corrected



Right In: 1556.763 +/- 0.000 χ^2/NDF : 1139364239218600567191855131756930793472.0/14
 Left Out: 642.639 +/- 0.000 χ^2/NDF : 29931346030134316080818937490076336128.0/11
 Right Out: -2232.520 +/- 0.000 χ^2/NDF : 8990395725533930134878595569706942332928.0/15
 Left In: -634.562 +/- 0.000 χ^2/NDF : 12308442809403031190669556314642841600.0/10
 All: -151.463 +/- 0.000 χ^2/NDF : 15746462164

dit_atr2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

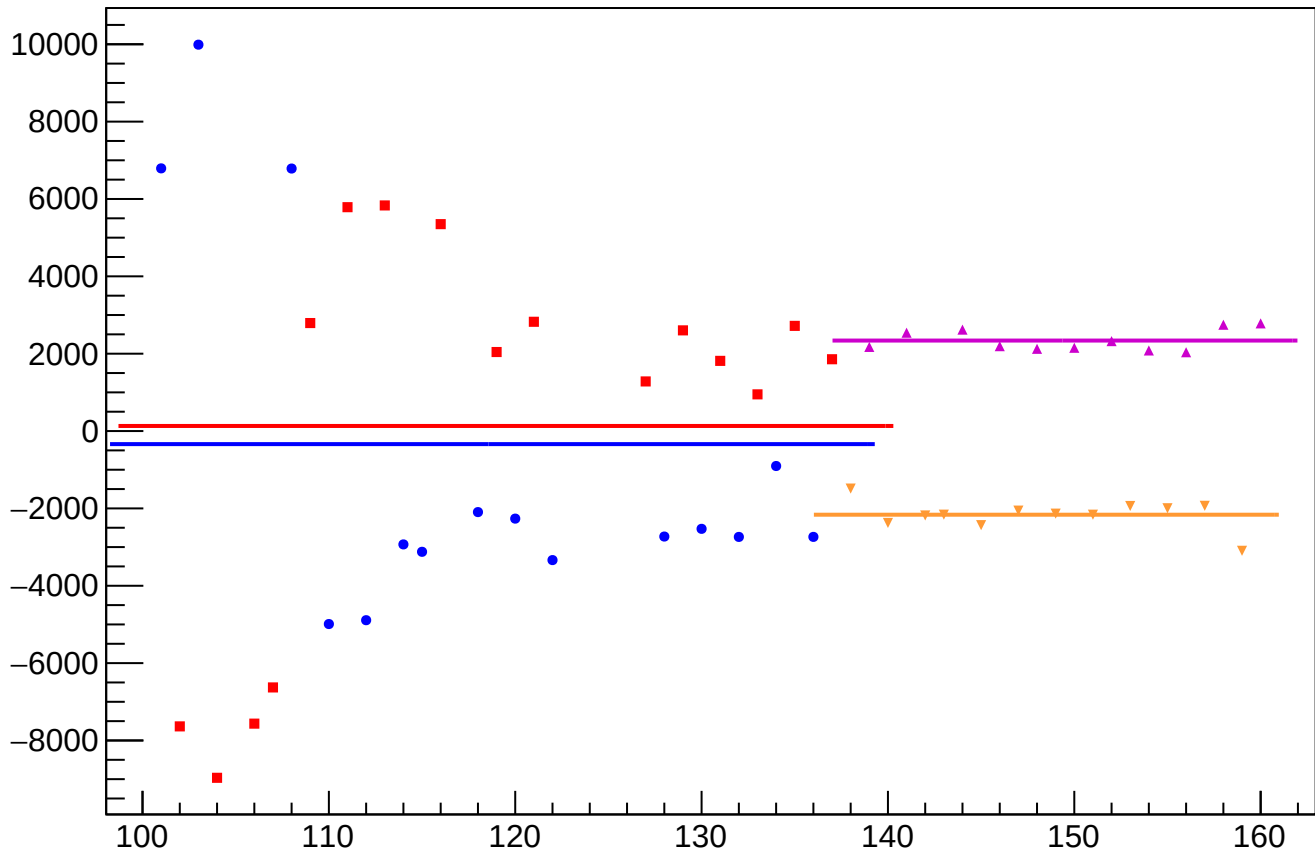
χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam1_coil6_mean vs Slug, Sign Corrected



Right In: -337.865+/-0.000

χ^2/NDF : 15152515933007079891661097940762081886208.0/14

Left Out: -2162.857+/-0.000

χ^2/NDF : 126332275232930257638482620391759020032.0/11

Right Out: 131.545+/-0.000

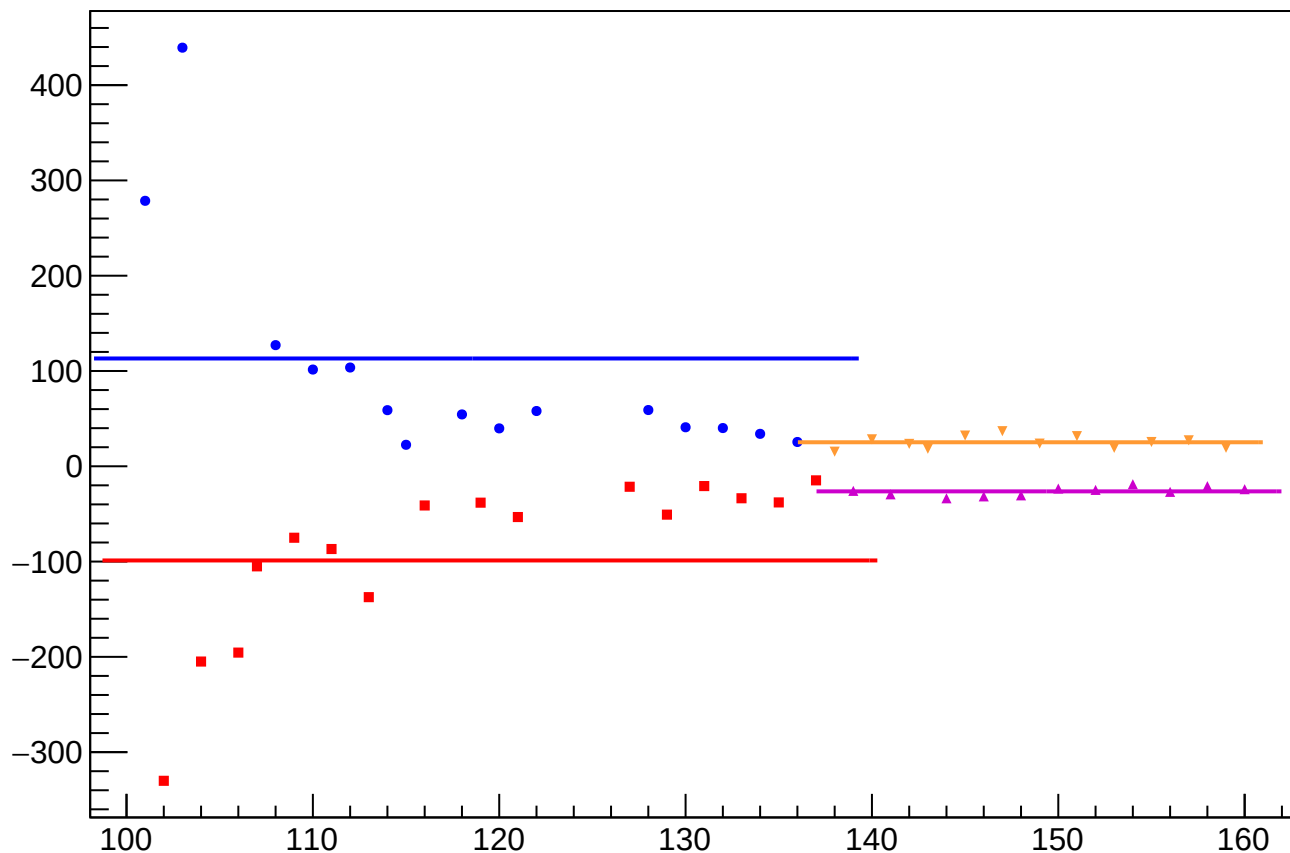
χ^2/NDF : 16473217651078877976377424419956902068224.0/15

Left In: 2339.639+/-0.000

χ^2/NDF : 62860144247456957543810906284181422080.0/10

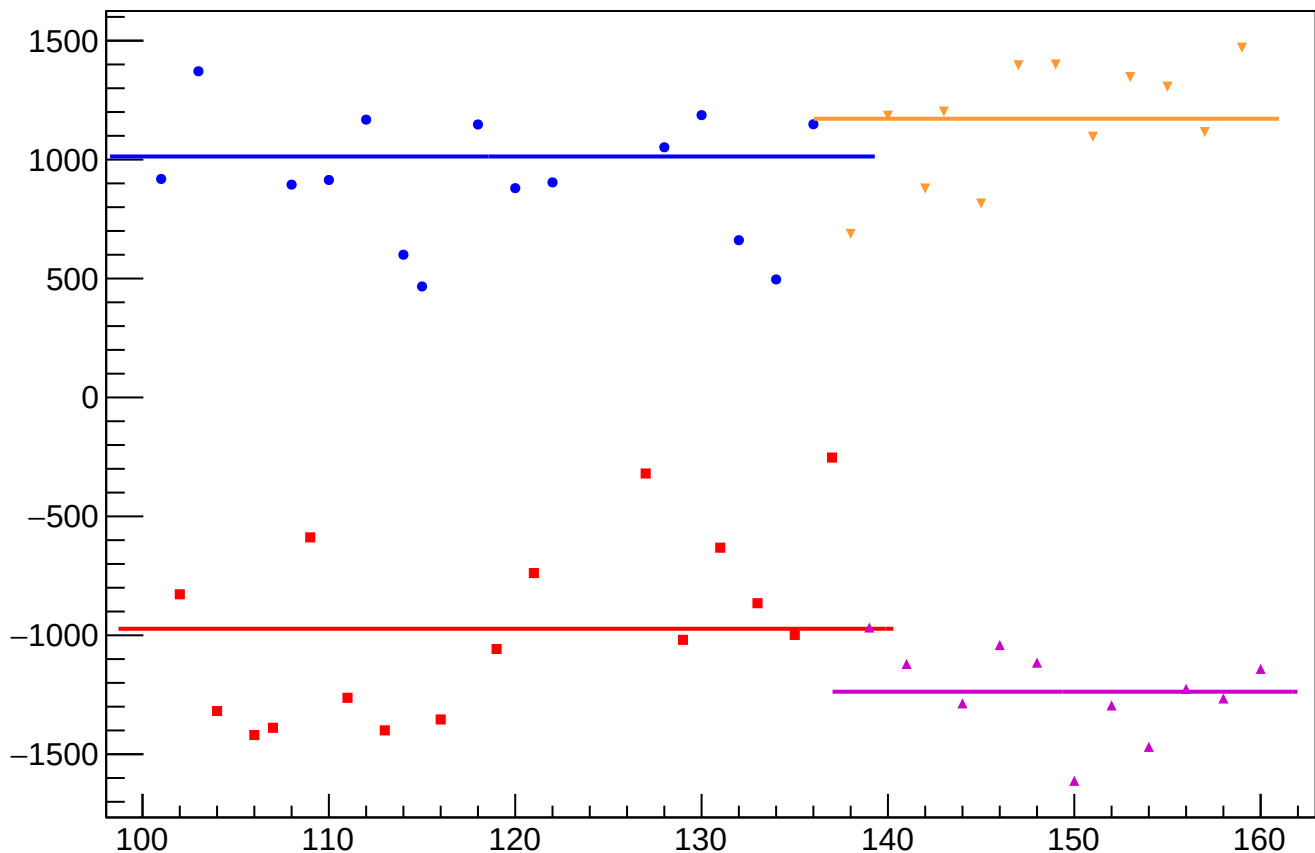
All: 16.944+/-0.000 χ^2/NDF : 4123318495094

dit_sam1_coil6_err_mean vs Slug, Sign Corrected



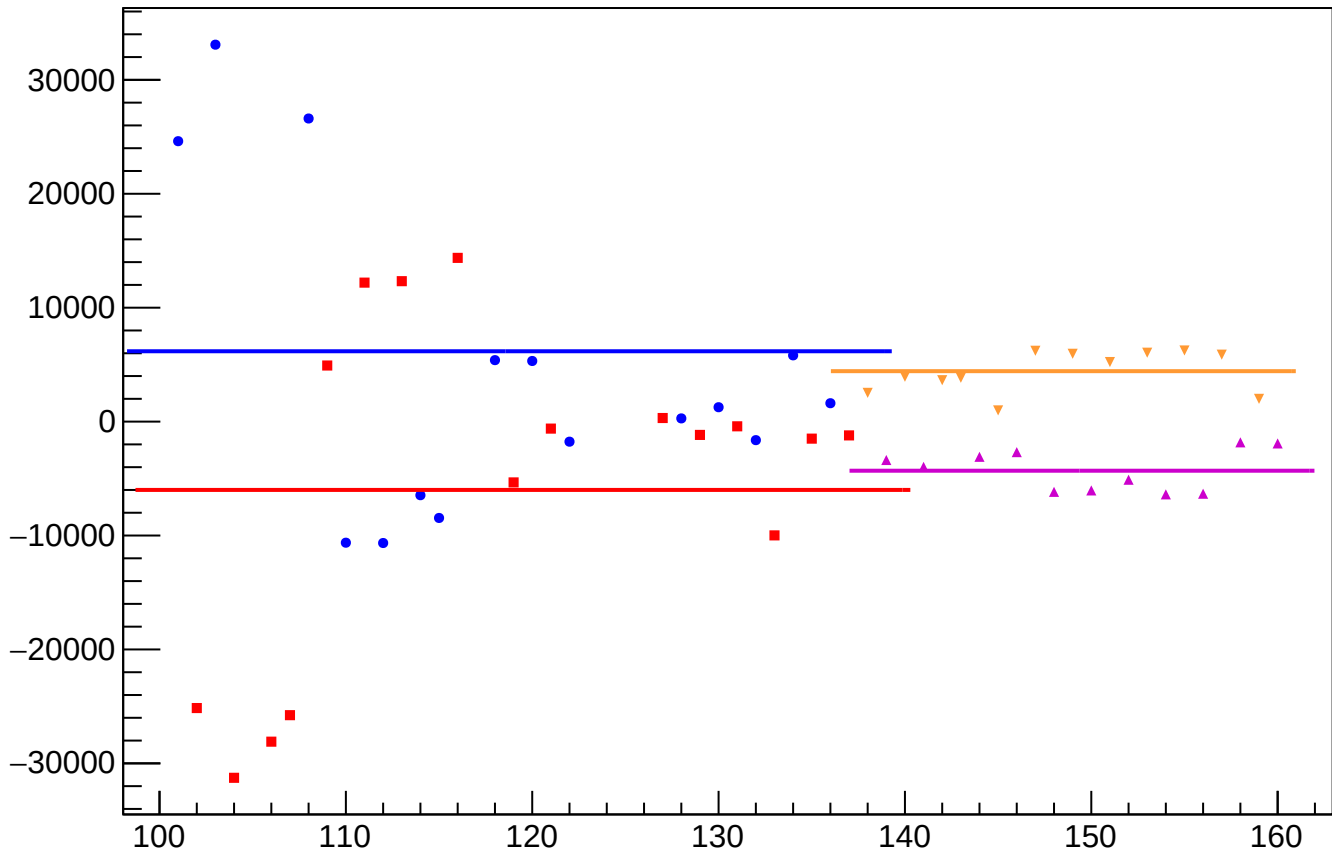
Left: -0.703 +/- 0.000 χ^2/NDF : 12737969644467641
 Right In: 113.134 +/- 0.000 χ^2/NDF : 9989638354332004017458192433874468864.0/14
 Right: 5.701 +/- 0.000 χ^2/NDF : 30279176036436111
 Left Out: 25.204 +/- 0.000 χ^2/NDF : 35340998729966912863138320392126464.0/11
 In: 31.211 +/- 0.000 χ^2/NDF : 174228215351618200
 Right Out: -98.833 +/- 0.000 χ^2/NDF : 5510365308590426333953610701260980224.0/15
 Out: -27.125 +/- 0.000 χ^2/NDF : 1147829075591207
 Left In: -26.331 +/- 0.000 χ^2/NDF : 18142873408814573481950758043648000.0/10
 All: 1.969 +/- 0.000 χ^2/NDF : 31584425444526

dit_sam1_coil6_Ndata_mean vs Slug, Sign Corrected



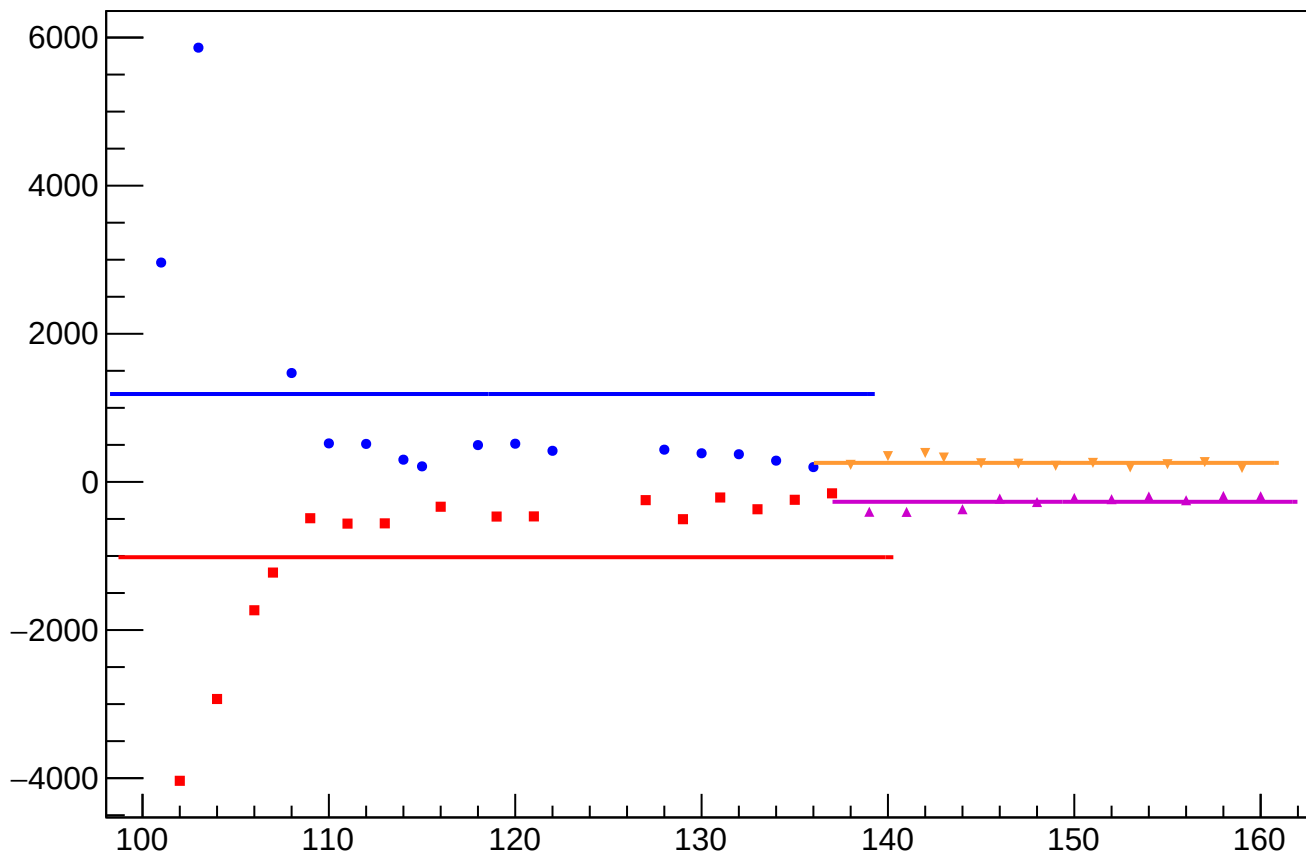
Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam2_coil6_mean vs Slug, Sign Corrected



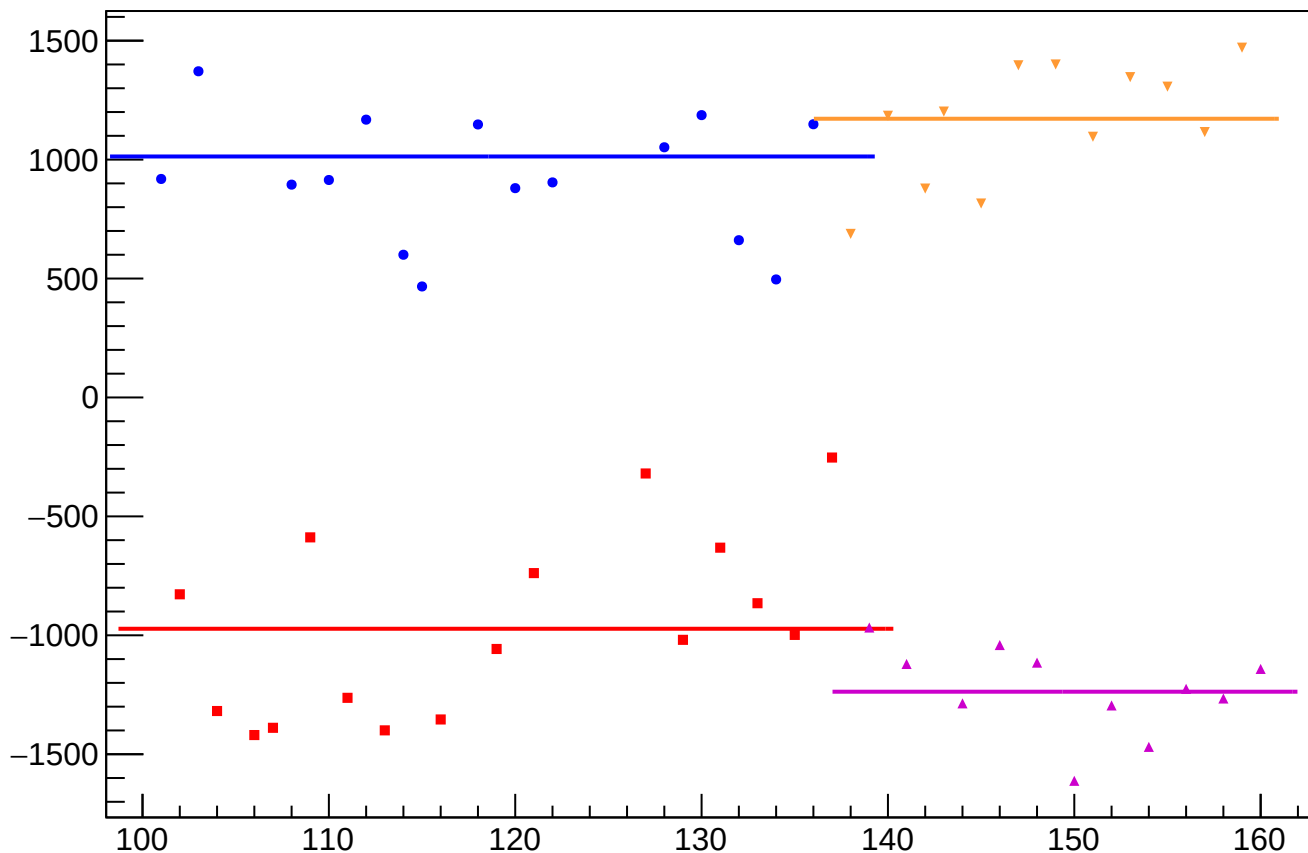
Right In: 6175.493+/-0.000 χ^2/NDF : 117260877162921223967478349050708452442112.0/14
 Left Out: 4428.101+/-0.000 χ^2/NDF : 2900138976874387724183278190835470958592.0/11
 Right Out: -5996.727+/-0.000 χ^2/NDF : 137057710785025136543407710107916356812800.0/15
 Left In: -4310.541+/-0.000 χ^2/NDF : 2687248811790643780000086030830396243968.0/10
 All: 22.962+/-0.000 χ^2/NDF : 3437312552543

dit_sam2_coil6_err_mean vs Slug, Sign Corrected



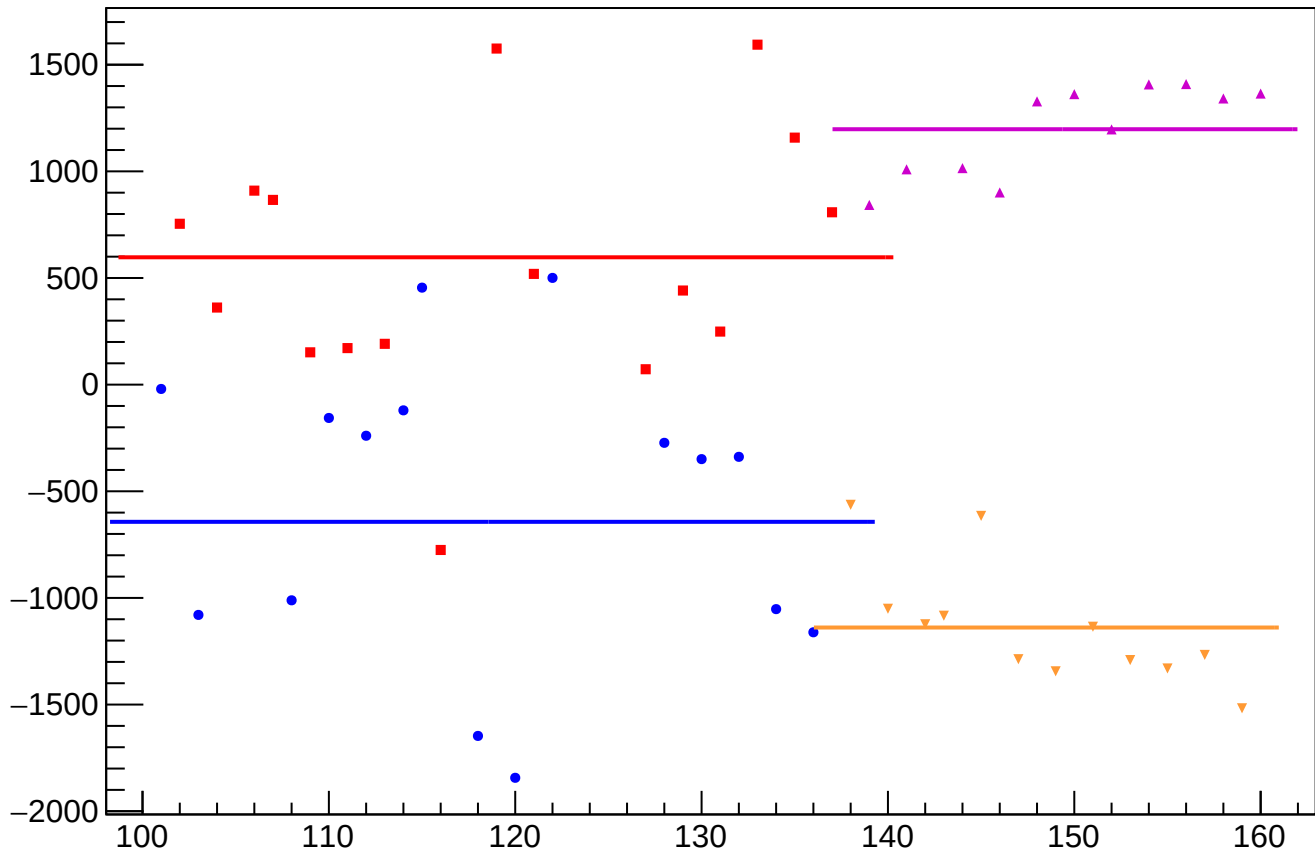
Left: -7.049 ± 0.000 $\chi^2/\text{NDF}: 13564373740521632$
 Right In: 1186.846 ± 0.000 $\chi^2/\text{NDF}: 1796463312802023303623210264680353234944.0/14$
 Left Out: 257.255 ± 0.000 $\chi^2/\text{NDF}: 2781253601465669157863687249484316672.0/11$
 Right Out: -1016.732 ± 0.000 $\chi^2/\text{NDF}: 927646003466094249558391691024825057280.0/15$
 Out: -280.221 ± 0.000 $\chi^2/\text{NDF}: 155627640866420$
 Left In: -268.493 ± 0.000 $\chi^2/\text{NDF}: 5855734975706547823556607966386847744.0/10$
 All: 25.094 ± 0.000 $\chi^2/\text{NDF}: 4461548431254$

dit_sam2_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146 $\pm$ 0.000 χ^2 /NDF: 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807 $\pm$ 0.000 χ^2 /NDF: 52424901282098583856312492577037221888.0/11
 Right Out: -972.465 $\pm$ 0.000 χ^2 /NDF: 78884457200782655962756069915468234752.0/15
 Left In: -1237.150 $\pm$ 0.000 χ^2 /NDF: 30323445843993737164691986740223672320.0/10
 All: -20.037 $\pm$ 0.000 χ^2 /NDF: 415830099668

dit_sam3_coil6_mean vs Slug, Sign Corrected



Right In: -643.217+/-0.000

χ^2/NDF : 272726964608206694027285159784925364224.0/14

Left Out: -1138.759+/-0.000

χ^2/NDF : 71006185953424254270590791718170263552.0/11

Right Out: 597.043+/-0.000

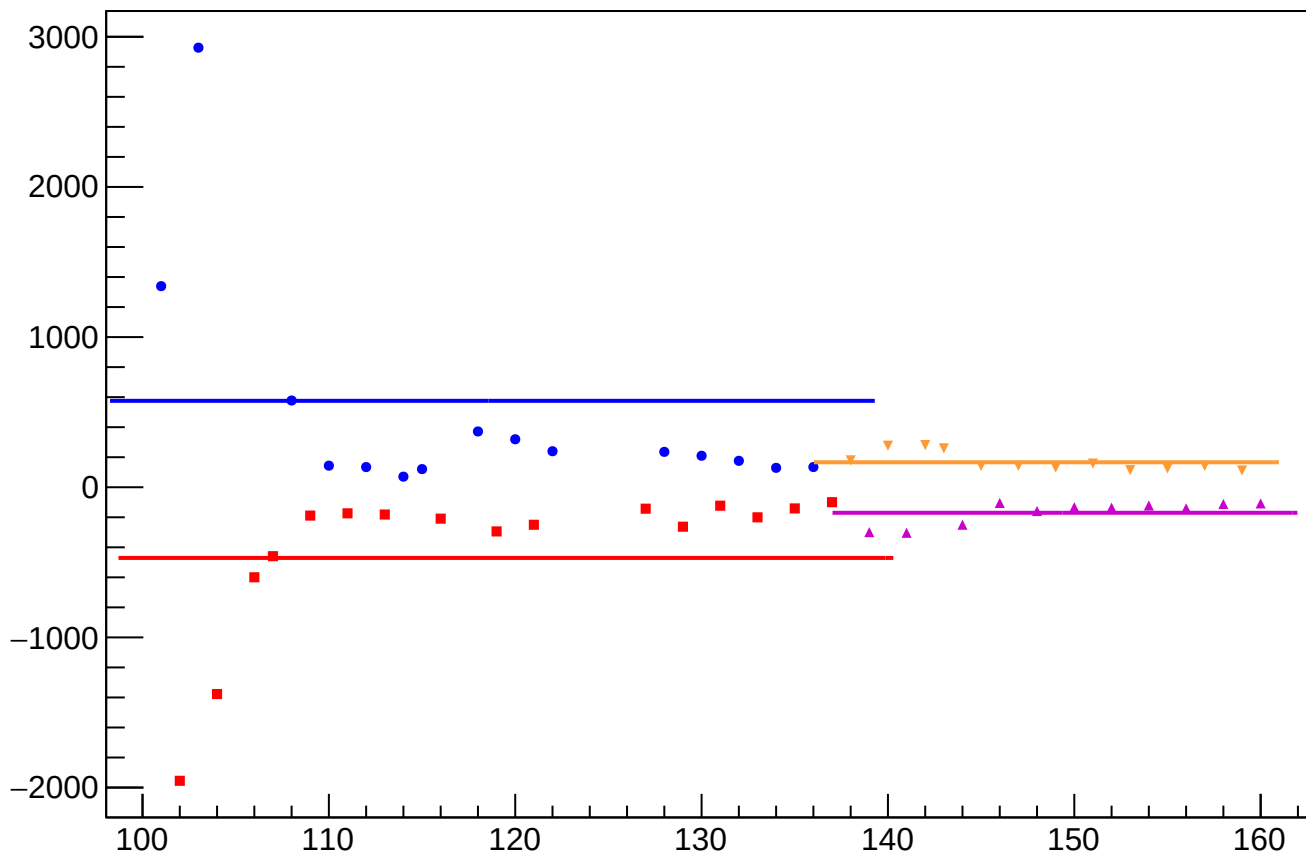
χ^2/NDF : 210733370798031449363504004319005376512.0/15

Left In: 1197.503+/-0.000

χ^2/NDF : 38624722141560961102710570239066636288.0/10

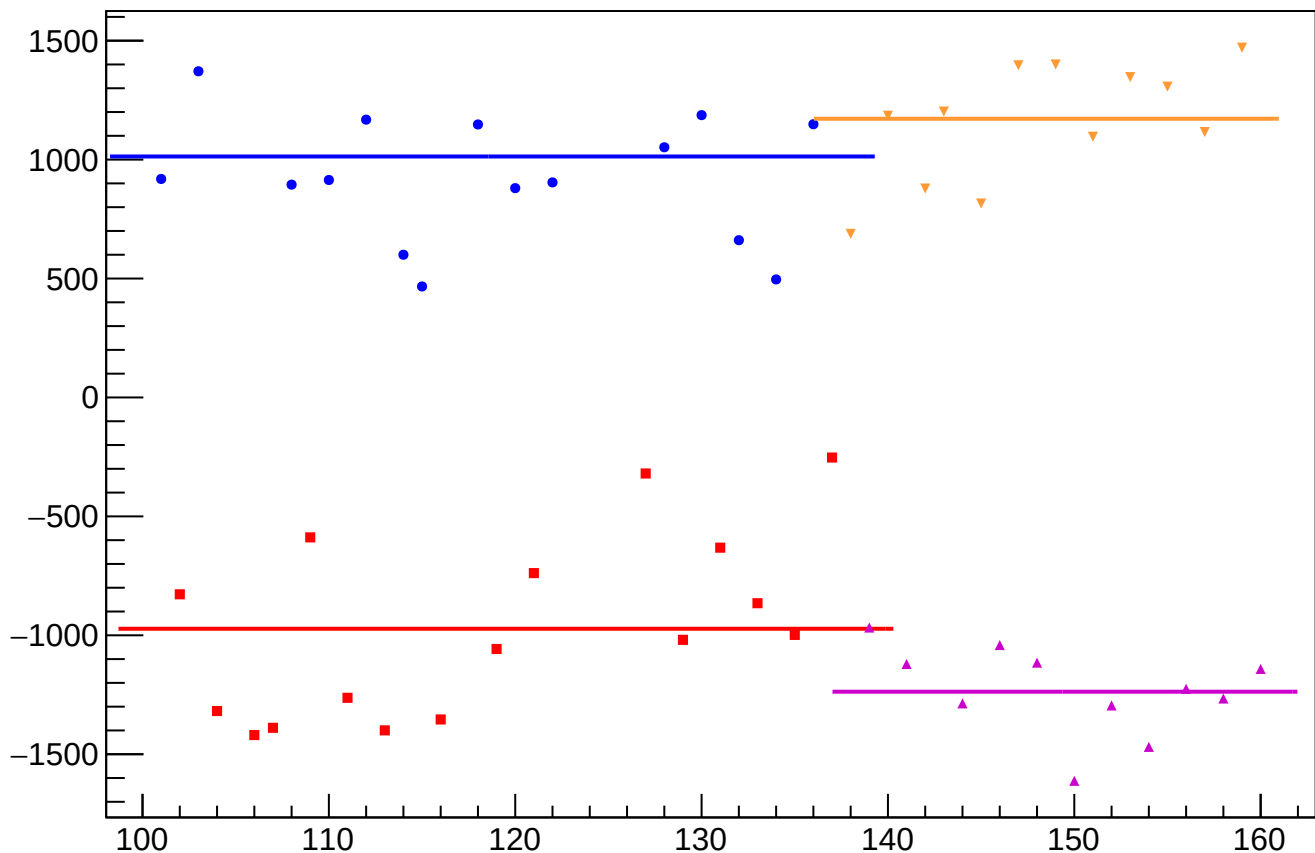
Left: 35.728+/-0.000 χ^2/NDF : 26175621969941425
 Right: -14.605+/-0.000 χ^2/NDF : 989448118075246
 In: 438.045+/-0.000 χ^2/NDF : 1603056987163828
 Out: -406.450+/-0.000 χ^2/NDF : 144356337261443
 All: 14.726+/-0.000 χ^2/NDF : 3608953170188

dit_sam3_coil6_err_mean vs Slug, Sign Corrected



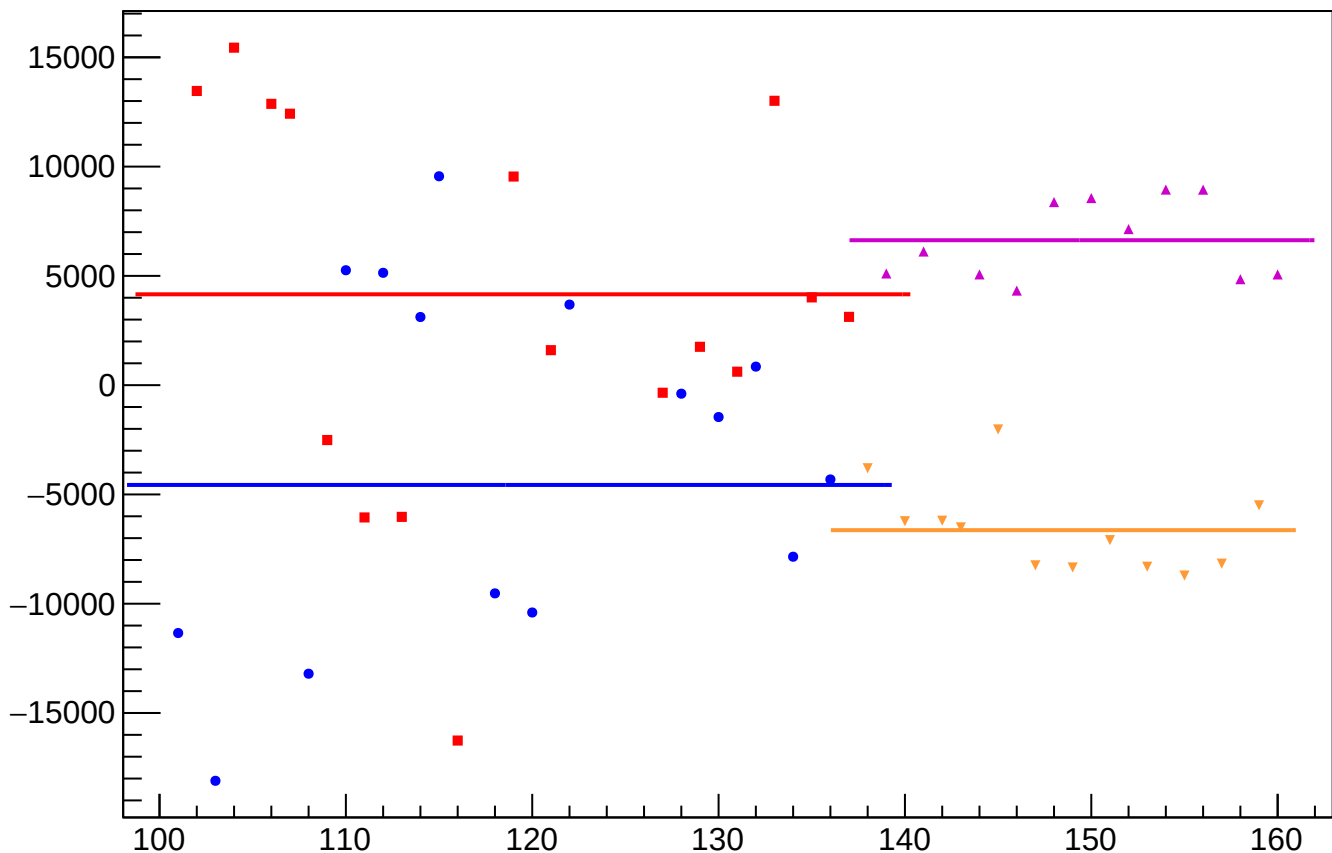
Right In: 575.526+/-0.000 χ^2/NDF : 432680039285849719493276471277131923456.0/14
 Left Out: 166.360+/-0.000 χ^2/NDF : 3052716209295405049807129095543193600.0/11
 Right Out: -470.716+/-0.000 χ^2/NDF : 209310604291868219806073768764512403456.0/15
 Left In: -170.082+/-0.000 χ^2/NDF : 4851165358478650186983079637734653952.0/10
 All: 17.262+/-0.000 χ^2/NDF : 1063737364413

dit_sam3_coil6_Ndata_mean vs Slug, Sign Corrected



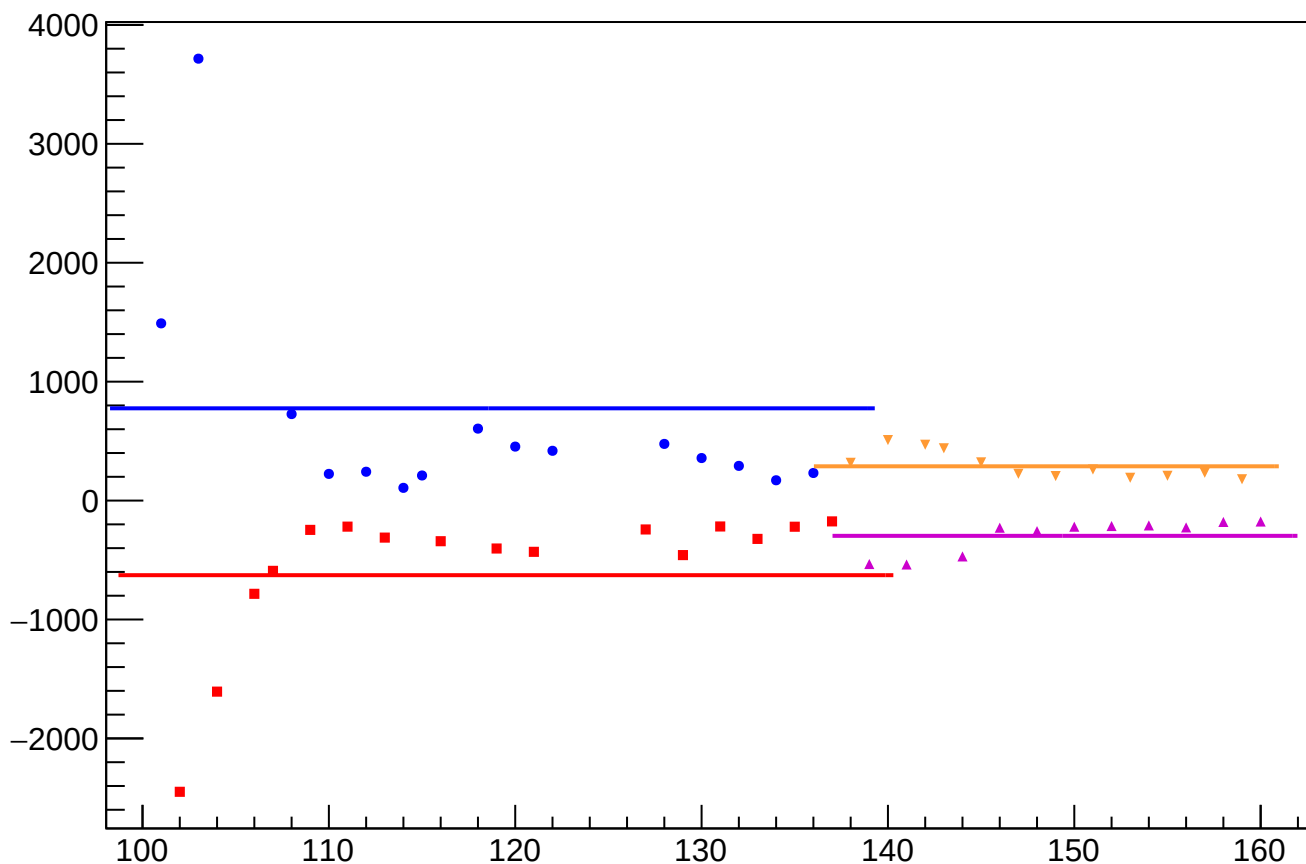
Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam4_coil6_mean vs Slug, Sign Corrected



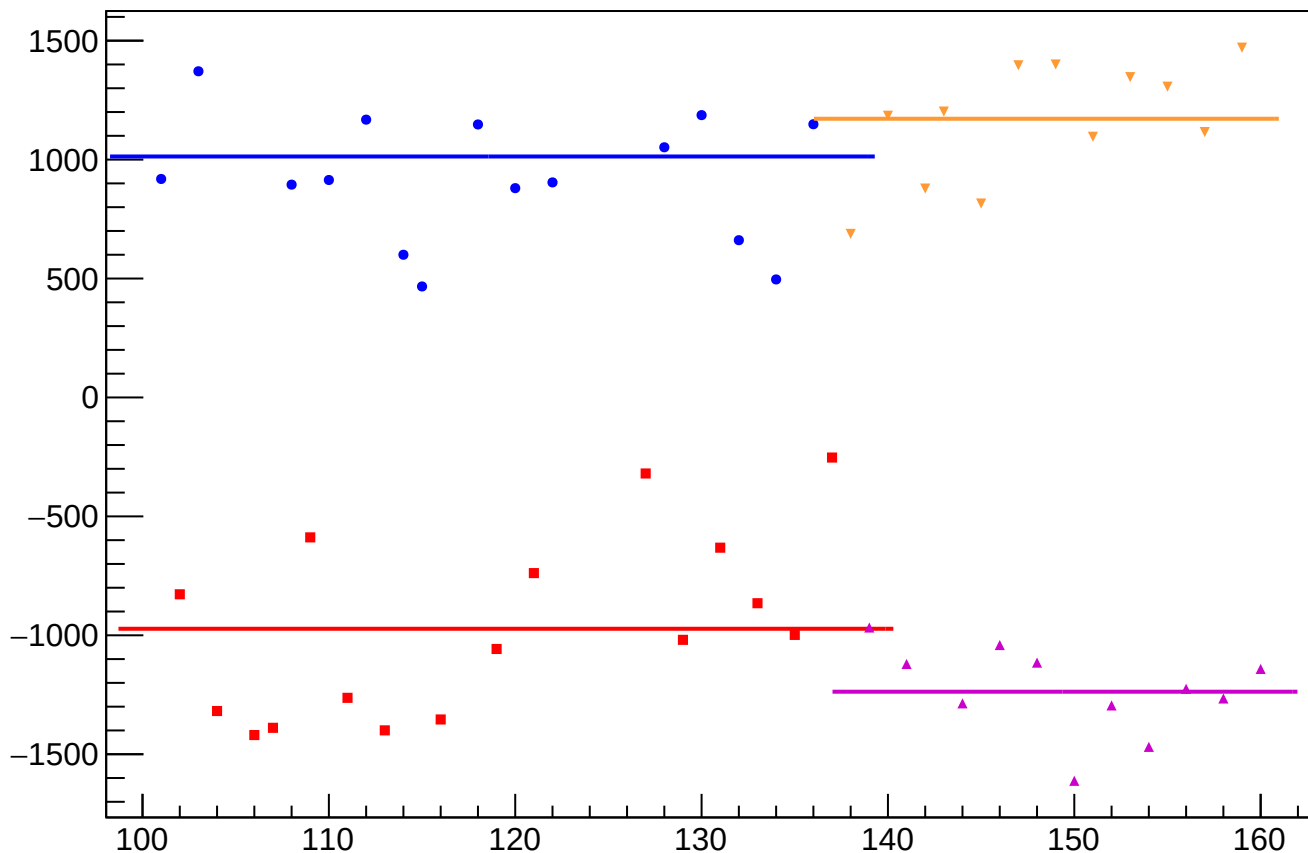
Left: 34.548+/-0.000 χ^2/NDF : 87332790427800314
 Right In: -4565.412+/-0.000 χ^2/NDF : 35667768247432289984899042725155487875072.0/14
 Right: -144.626+/-0.000 χ^2/NDF : 10623220696347
 Left Out: -6634.457+/-0.000 χ^2/NDF : 3640150880403299784339543756995645407232.0/11
 In: 2011.723+/-0.000 χ^2/NDF : 8629308418563650
 Right Out: 4156.859+/-0.000 χ^2/NDF : 45539455441659927157708443099930682195968.0/15
 Out: -2081.764+/-0.000 χ^2/NDF : 94084012188749
 Left In: 6631.377+/-0.000 χ^2/NDF : 2831140540306304869921468245145345327104.0/10
 All: -40.212+/-0.000 χ^2/NDF : 193589617431

dit_sam4_coil6_err_mean vs Slug, Sign Corrected



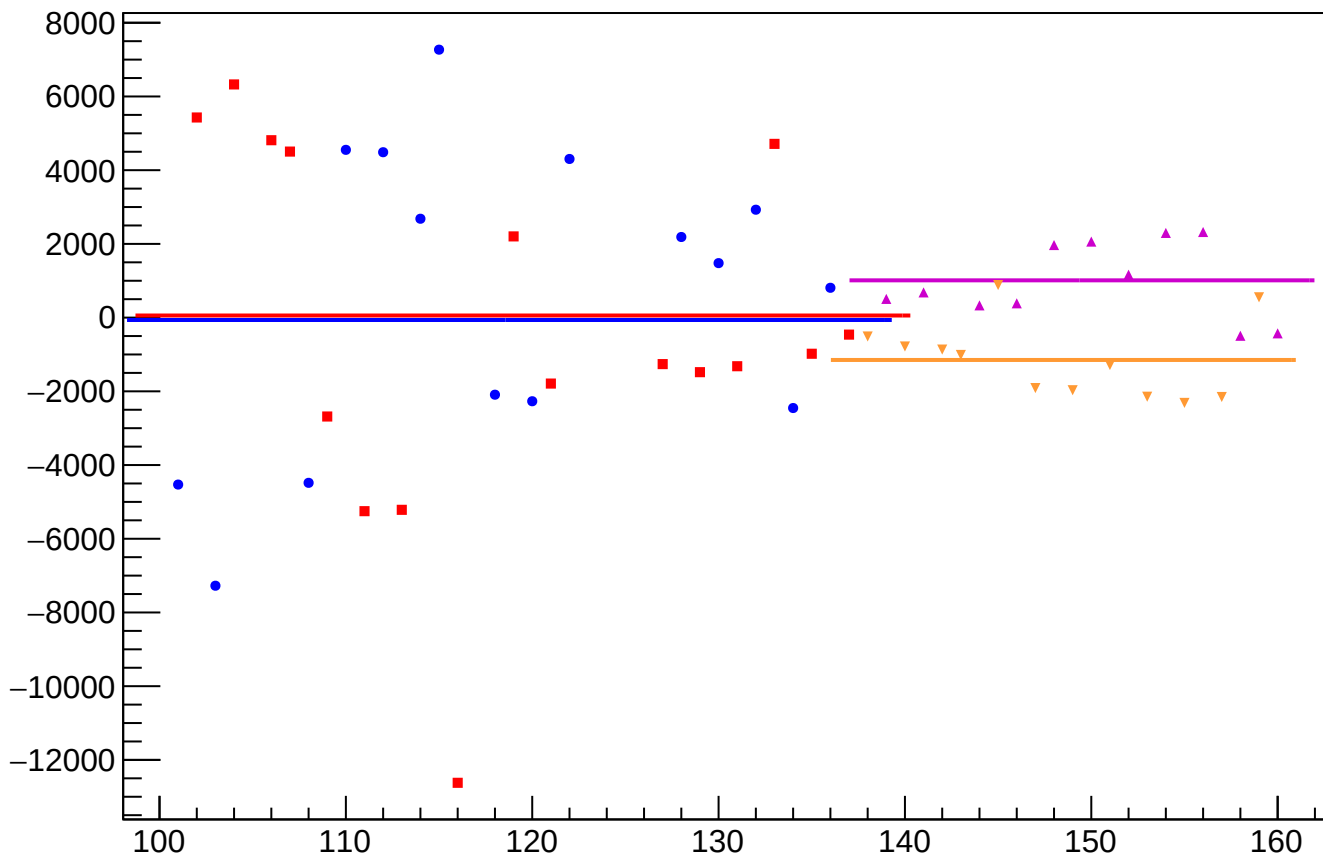
Right In: 775.824 +/- 0.000 χ^2/NDF : 641856726975740612716432458612629045248.0/14
 Left Out: 288.226 +/- 0.000 χ^2/NDF : 10607349218435095296400376728725225472.0/11
 Right Out: -627.315 +/- 0.000 χ^2/NDF : 297517676171111924966086193860621369344.0/15
 Left In: -296.514 +/- 0.000 χ^2/NDF : 17061879022016484064295210228444561408.0/10
 All: 23.637 +/- 0.000 χ^2/NDF : 1775565410854

dit_sam4_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam5_coil6_mean vs Slug, Sign Corrected



Right In: -64.751+/-0.000

χ^2/NDF : 9614223448851814191683817349989558910976.0/14

Left Out: -1149.036+/-0.000

χ^2/NDF : 977384281251527862797157265716912586752.0/11

Right Out: 57.229+/-0.000

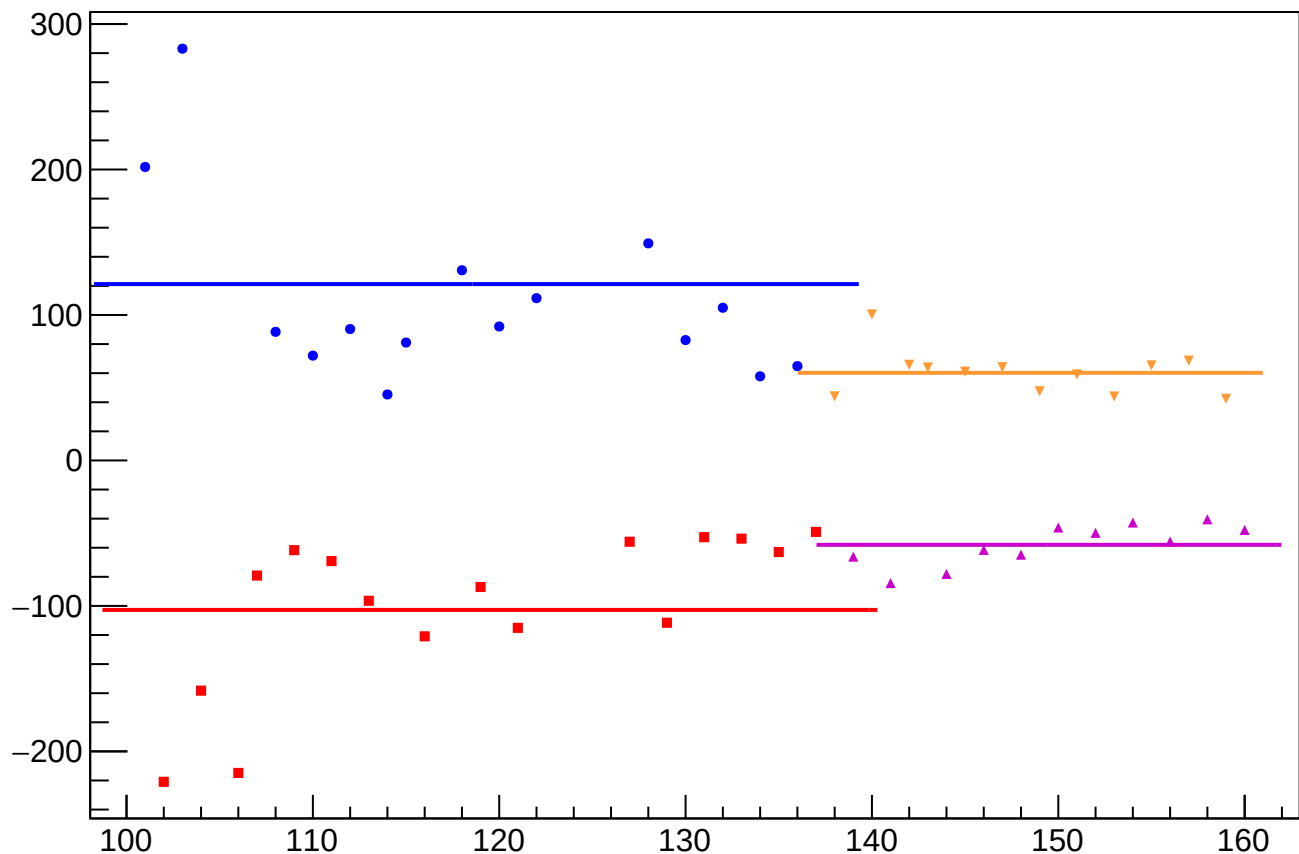
χ^2/NDF : 13780958977008702301942505454387177979904.0/15

Left In: 1011.284+/-0.000

χ^2/NDF : 903909408421874171739001543159795679232.0/10

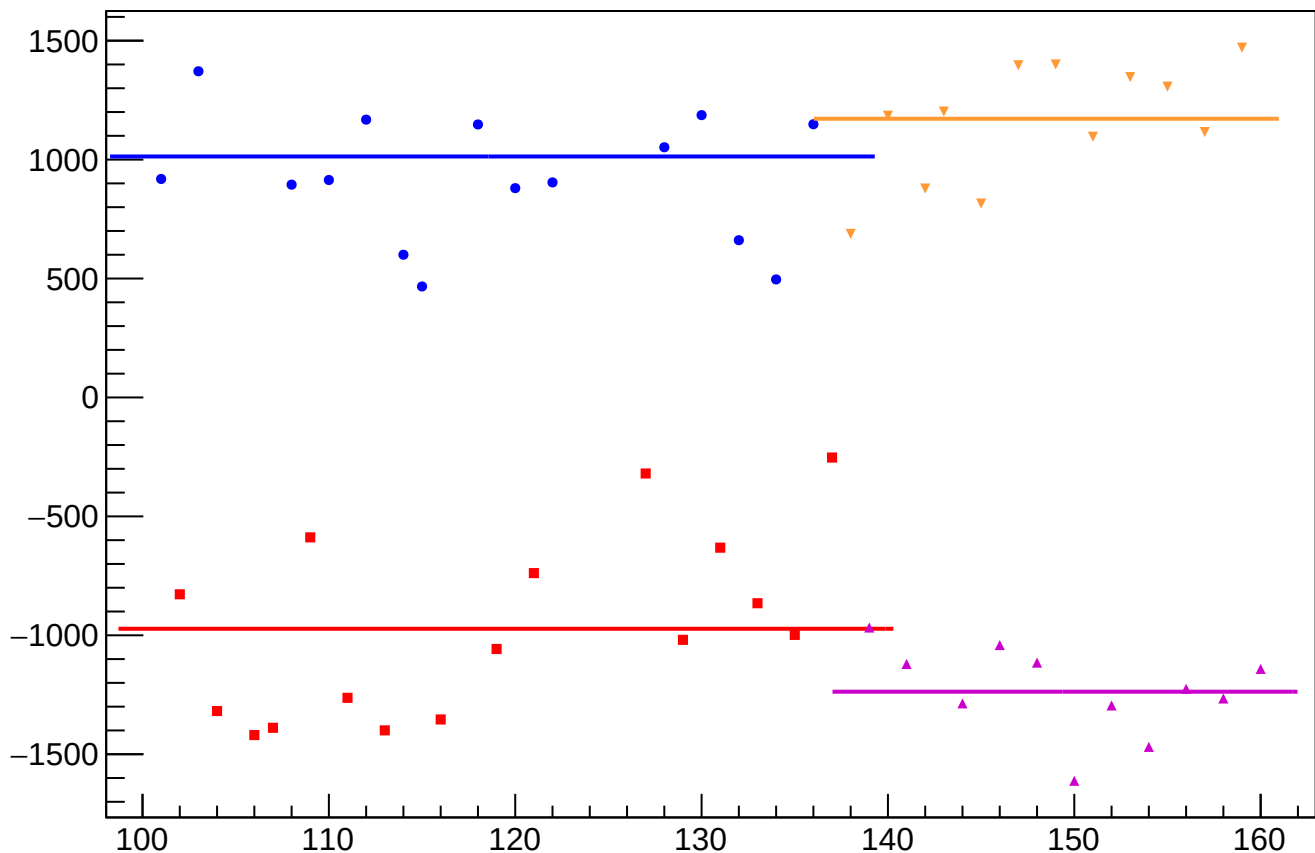
All: -37.934+/-0.000 χ^2/NDF : 274285540726

dit_sam5_coil6_err_mean vs Slug, Sign Corrected



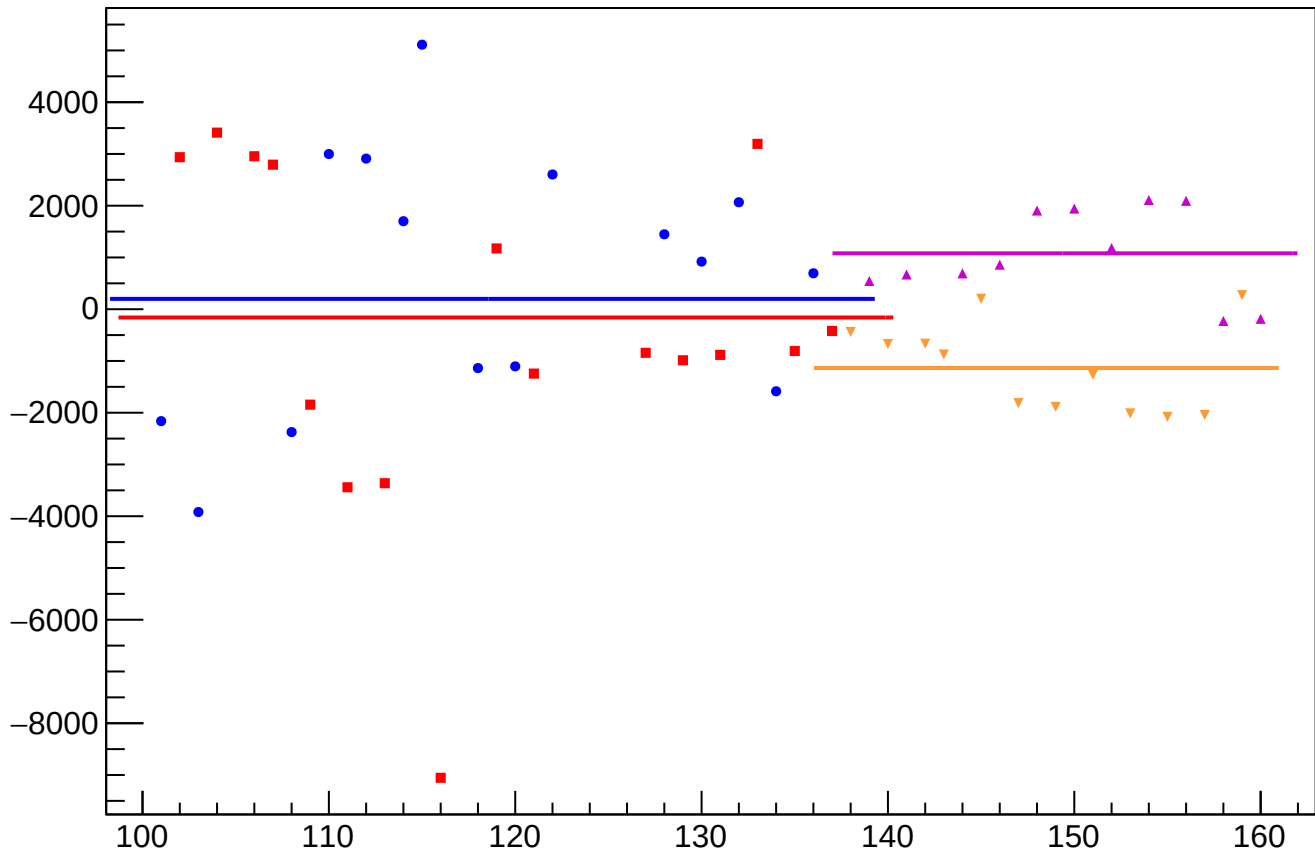
Right In: 121.228+/-0.000 χ^2/NDF : 2723170857684362574800637594861305856.0/14
 Left Out: 60.239+/-0.000 χ^2/NDF : 225102554491032869548797845500329984.0/11
 Right Out: -102.749+/-0.000 χ^2/NDF : 1967668024846010333654427670555918336.0/15
 Left In: -58.011+/-0.000 χ^2/NDF : 177427701786540438757655027214450688.0/10
 All: 3.678+/-0.000 χ^2/NDF : 28056421642135

dit_sam5_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam6_coil6_mean vs Slug, Sign Corrected



Right In: 199.503+/-0.000

χ^2/NDF : 3268159745923533825045181664876849790976.0/14

Left Out: -1135.455+/-0.000

χ^2/NDF : 654697592596579349133010058178925166592.0/11

Right Out: -160.512+/-0.000

χ^2/NDF : 5680576709461197901526729703706251493376.0/15

Left In: 1079.555+/-0.000

χ^2/NDF : 614734398575877452858032752710912049152.0/10

Left: -21.924+/-0.000 χ^2/NDF : 3523794568652633

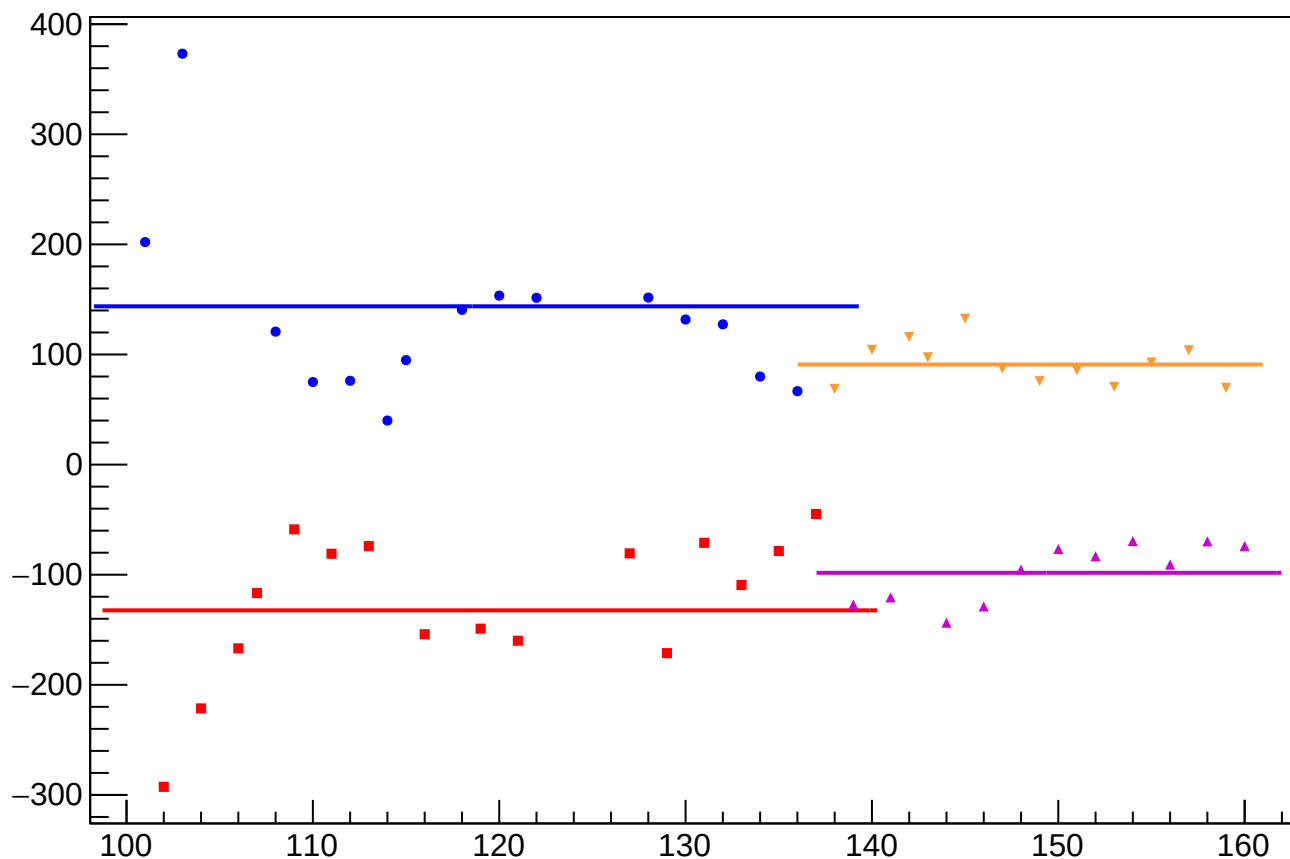
Right: 17.033+/-0.000 χ^2/NDF : 8991370549930185

In: 716.457+/-0.000 χ^2/NDF : 41781537377410598

Out: -724.141+/-0.000 χ^2/NDF : 670179463757753

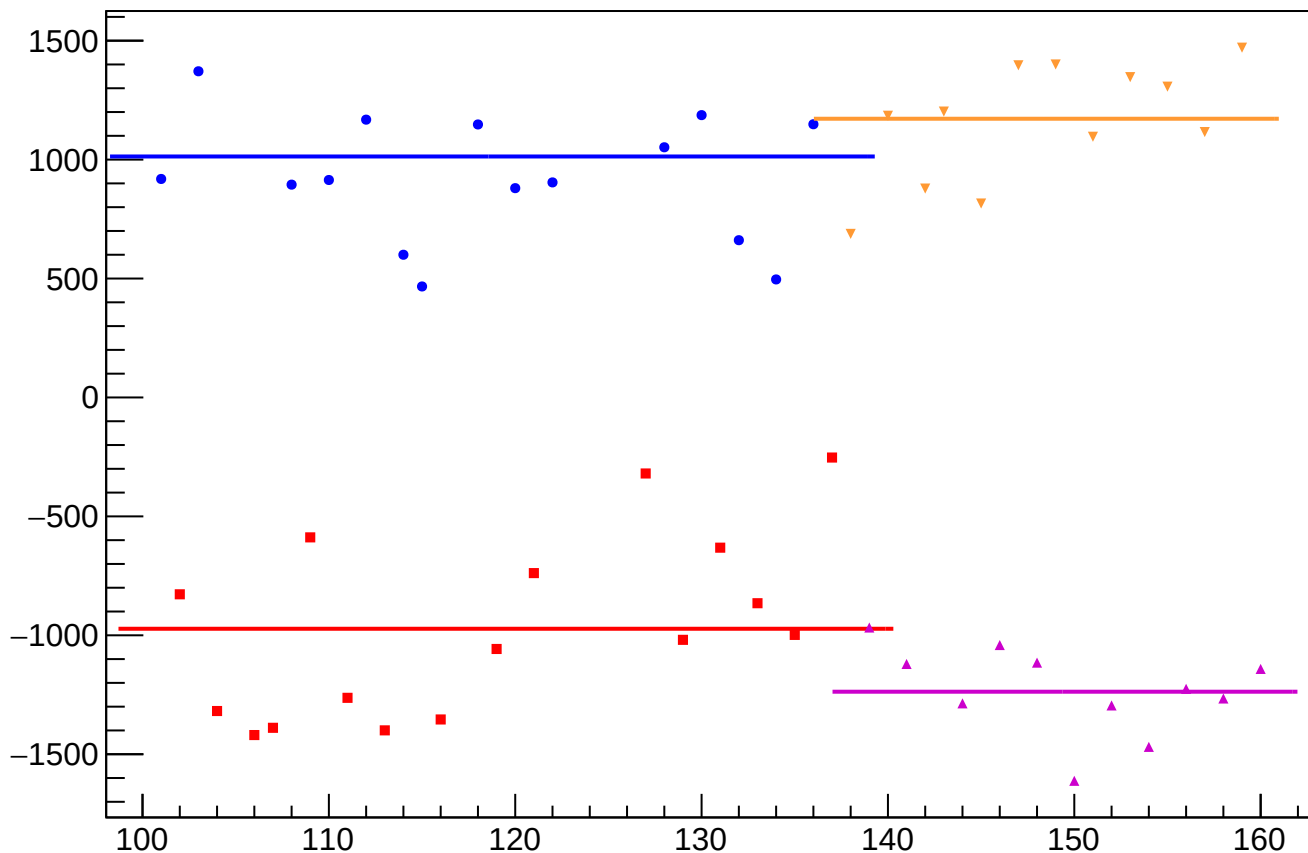
All: -5.669+/-0.000 χ^2/NDF : 1251632905272

dit_sam6_coil6_err_mean vs Slug, Sign Corrected



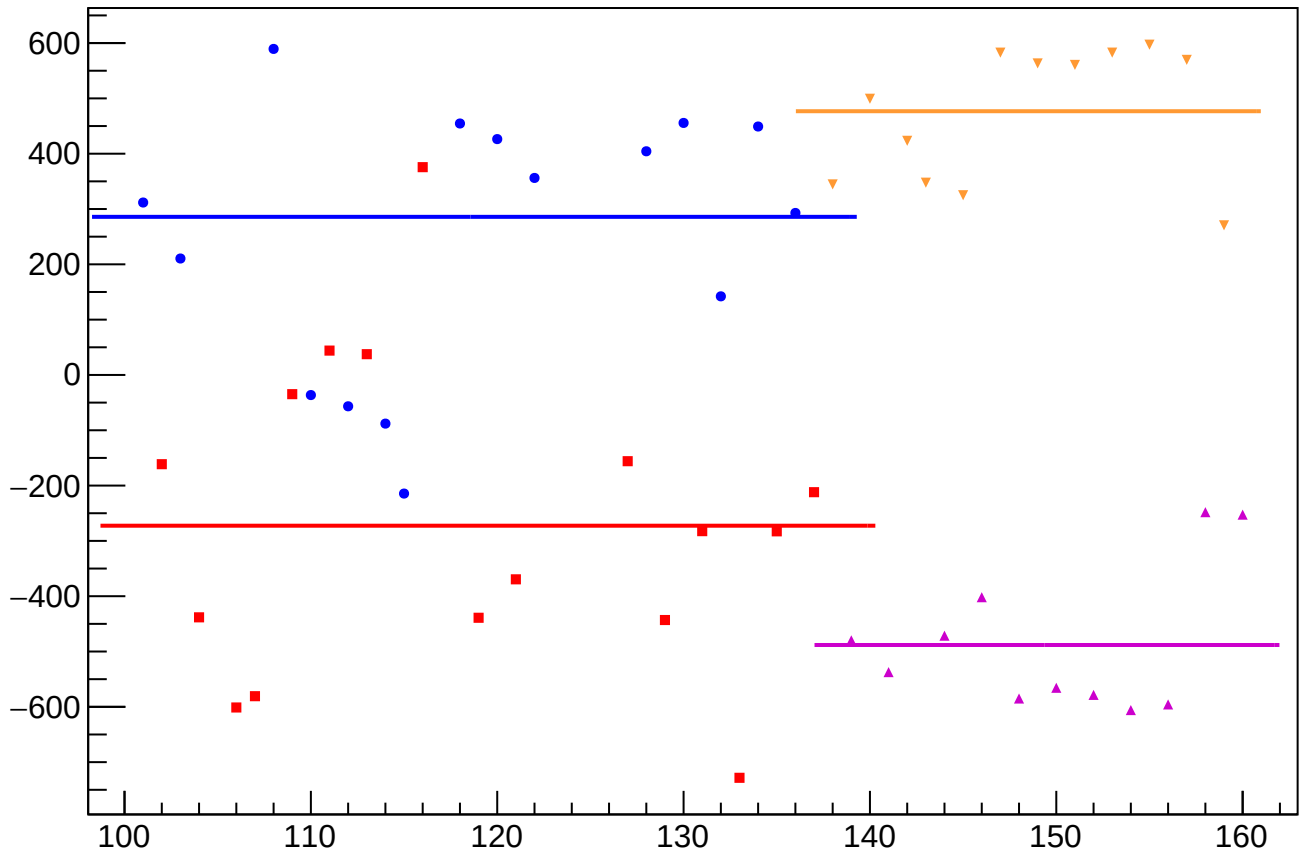
Left: -4.202 ± 0.000 $\chi^2/\text{NDF}: 17384612750229045$
 Right In: 143.764 ± 0.000 $\chi^2/\text{NDF}: 4514785869565777849900508591821946880.0/14$
 Right: 3.823 ± 0.000 $\chi^2/\text{NDF}: 32765016379949297$
 Left Out: 90.882 ± 0.000 $\chi^2/\text{NDF}: 326242734851411629220497356388040704.0/11$
 In: 1.598 ± 0.000 $\chi^2/\text{NDF}: 2746595414560194970$
 Right Out: -132.341 ± 0.000 $\chi^2/\text{NDF}: 3174087908796245287682359914282352640.0/15$
 Out: -3.293 ± 0.000 $\chi^2/\text{NDF}: 22714212497857002$
 Left In: -98.257 ± 0.000 $\chi^2/\text{NDF}: 620993776773093393033369428470792192.0/10$
 All: -0.854 ± 0.000 $\chi^2/\text{NDF}: 5019902274084$

dit_sam6_coil6_Ndata_mean vs Slug, Sign Corrected



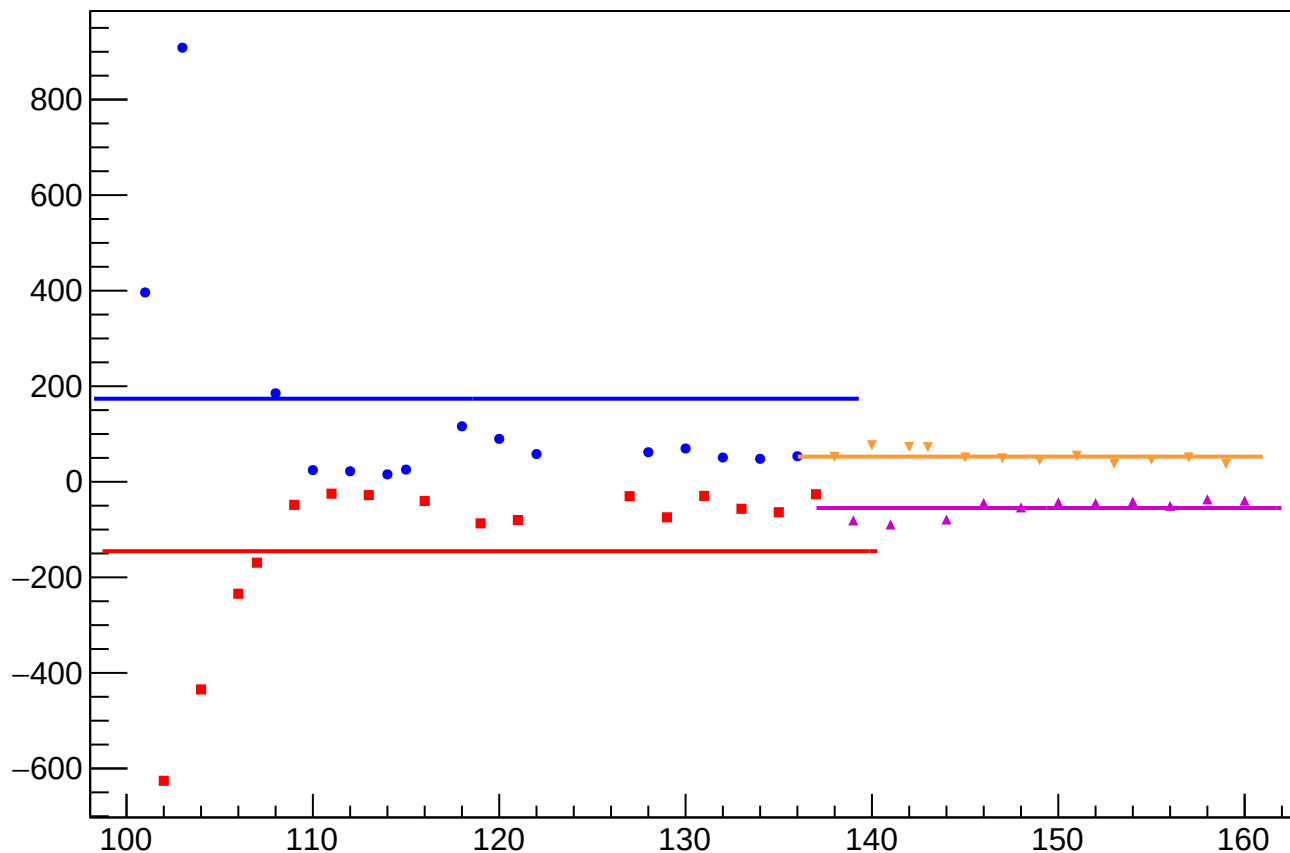
Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam7_coil6_mean vs Slug, Sign Corrected



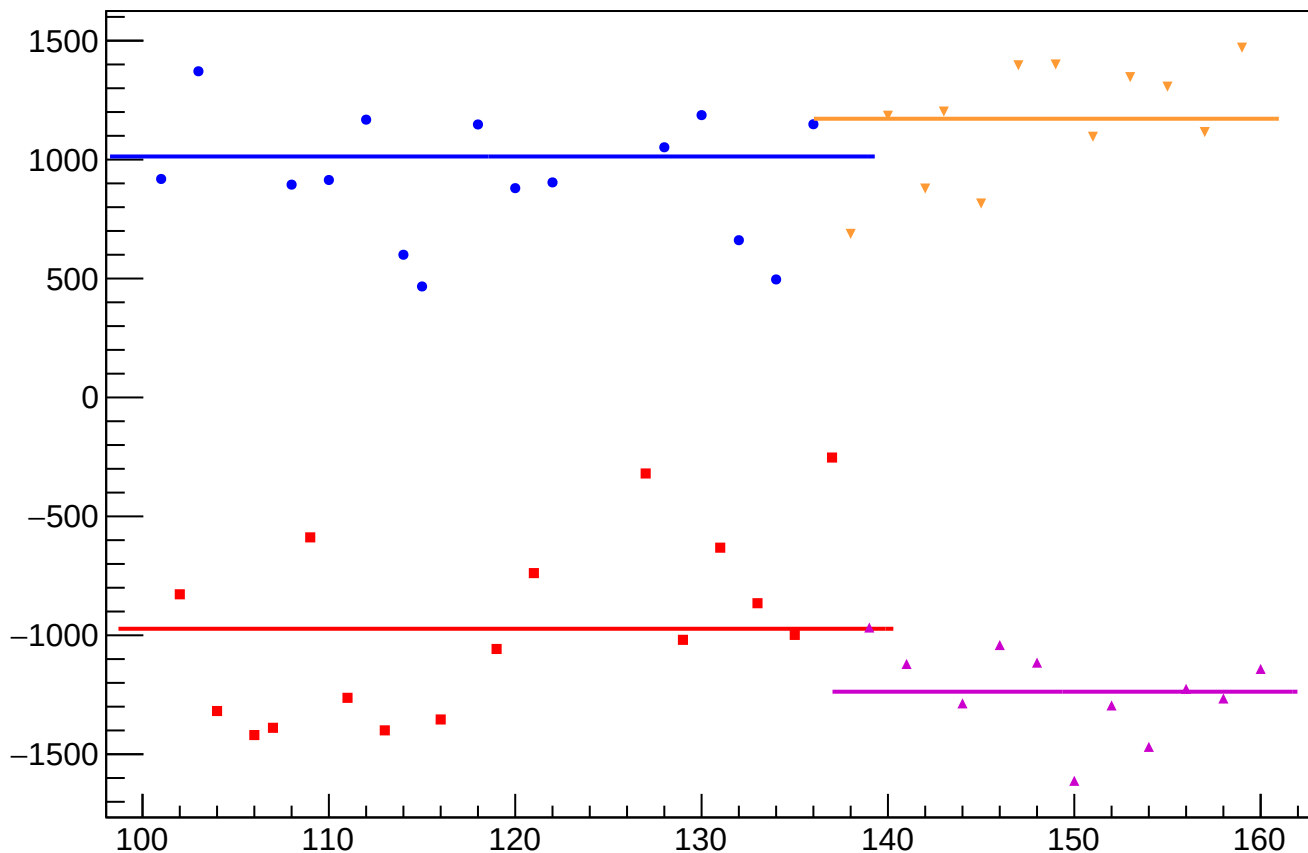
Left: -8.329+/-0.000 χ^2/NDF : 45440891851442133
 Right: 2.840+/-0.000 χ^2/NDF : 17082276741945895
 In: -168.836+/-0.000 χ^2/NDF : 2663585226046871
 Out: 160.663+/-0.000 χ^2/NDF : 2733623549167339
 All: -3.669+/-0.000 χ^2/NDF : 6253273590333

dit_sam7_coil6_err_mean vs Slug, Sign Corrected



Left: -1.410 +/- 0.000 χ^2/NDF : 57550913372035412
 Right: 12.139 +/- 0.000 χ^2/NDF : 9772897307710637
 Right In: 173.871 +/- 0.000 χ^2/NDF : 41705473404466232613073704554990665728.0/14
 Left Out: 52.656 +/- 0.000 χ^2/NDF : 140159423385887976692066167541465088.0/11
 Right Out: -145.228 +/- 0.000 χ^2/NDF : 22529615719408594720785265744437837824.0/15
 Out: -30.828 +/- 0.000 χ^2/NDF : 3776923807481634
 Left In: -54.891 +/- 0.000 χ^2/NDF : 300358274506113612486338175884591104.0/10
 All: 4.243 +/- 0.000 χ^2/NDF : 10362485342555

dit_sam7_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000

χ^2/NDF : 31721270909522099205936100724856324096.0/14

Left Out: 1171.807+/-0.000

χ^2/NDF : 52424901282098583856312492577037221888.0/11

Right Out: -972.465+/-0.000

χ^2/NDF : 78884457200782655962756069915468234752.0/15

Left In: -1237.150+/-0.000

χ^2/NDF : 30323445843993737164691986740223672320.0/10

Left: -39.225+/-0.000 χ^2/NDF : 2749183771125436

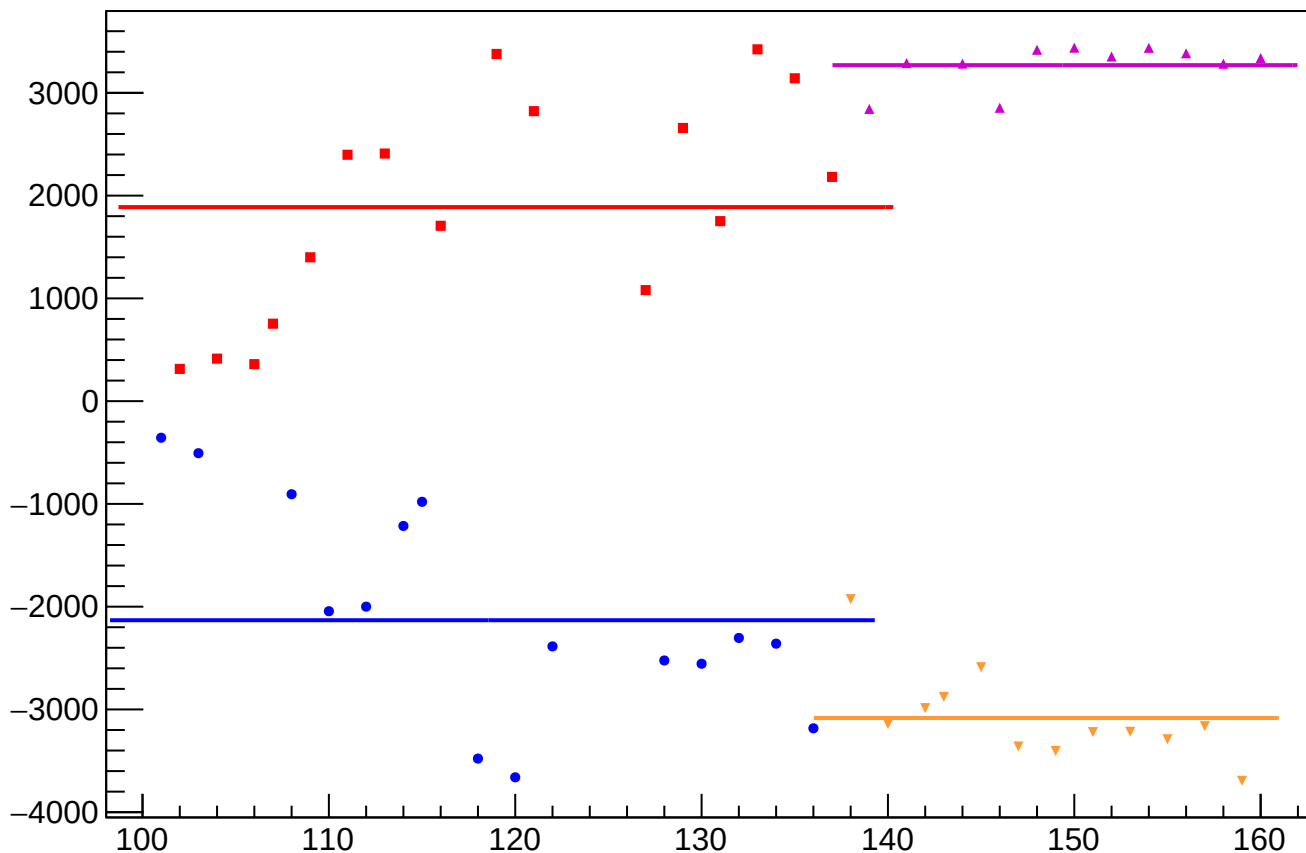
Right: 6.761+/-0.000 χ^2/NDF : 14074954421733032

In: -308.706+/-0.000 χ^2/NDF : 1992534711877389

Out: 267.171+/-0.000 χ^2/NDF : 1904273666999186

All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_sam8_coil6_mean vs Slug, Sign Corrected



Right In: -2131.905+/-0.000

Left Out: -3083.729+/-0.000

Right Out: 1888.448+/-0.000

Left In: 3269.755+/-0.000

χ^2/NDF : 722433384570495071131450661983670501376.0/14

χ^2/NDF : 178322677856663824149309206068860026880.0/11

χ^2/NDF : 791986665551980691032719862611769819136.0/15

χ^2/NDF : 38098096180391062431092176239781216256.0/10

Left: 110.297+/-0.000 χ^2/NDF : 1876439765485971

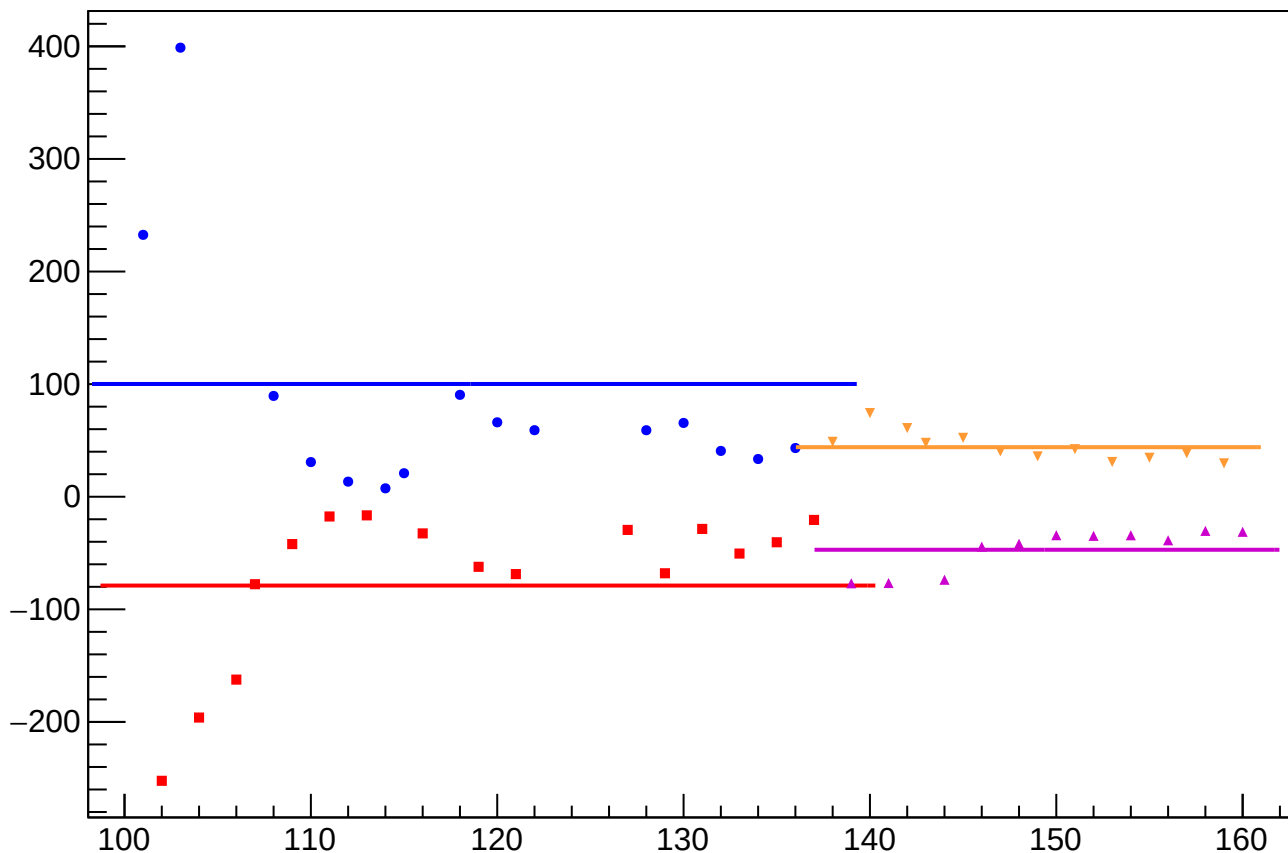
Right: -94.234+/-0.000 χ^2/NDF : 683113062504059

In: 1041.098+/-0.000 χ^2/NDF : 1188405782367471

Out: -986.042+/-0.000 χ^2/NDF : 105033900940683

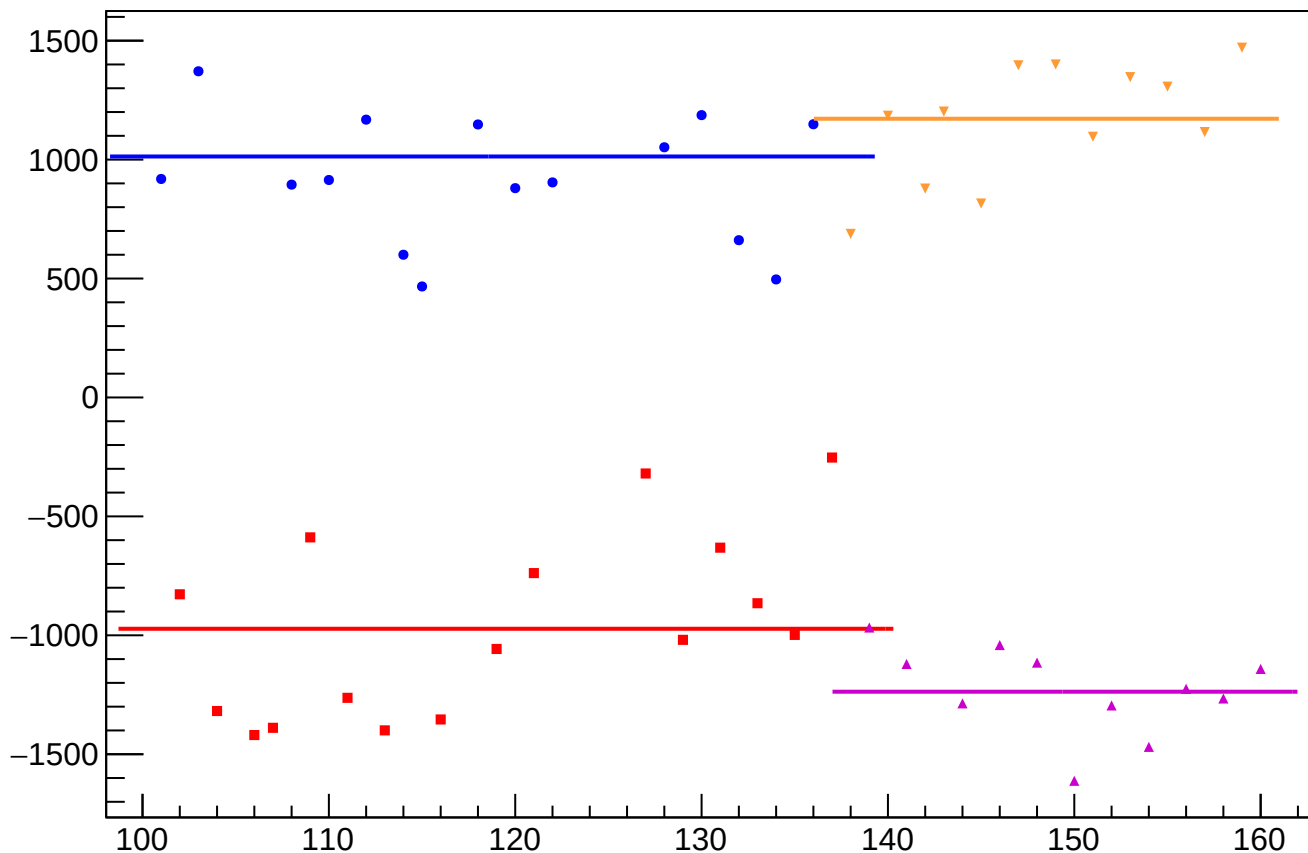
All: 24.957+/-0.000 χ^2/NDF : 2562760992420

dit_sam8_coil6_err_mean vs Slug, Sign Corrected



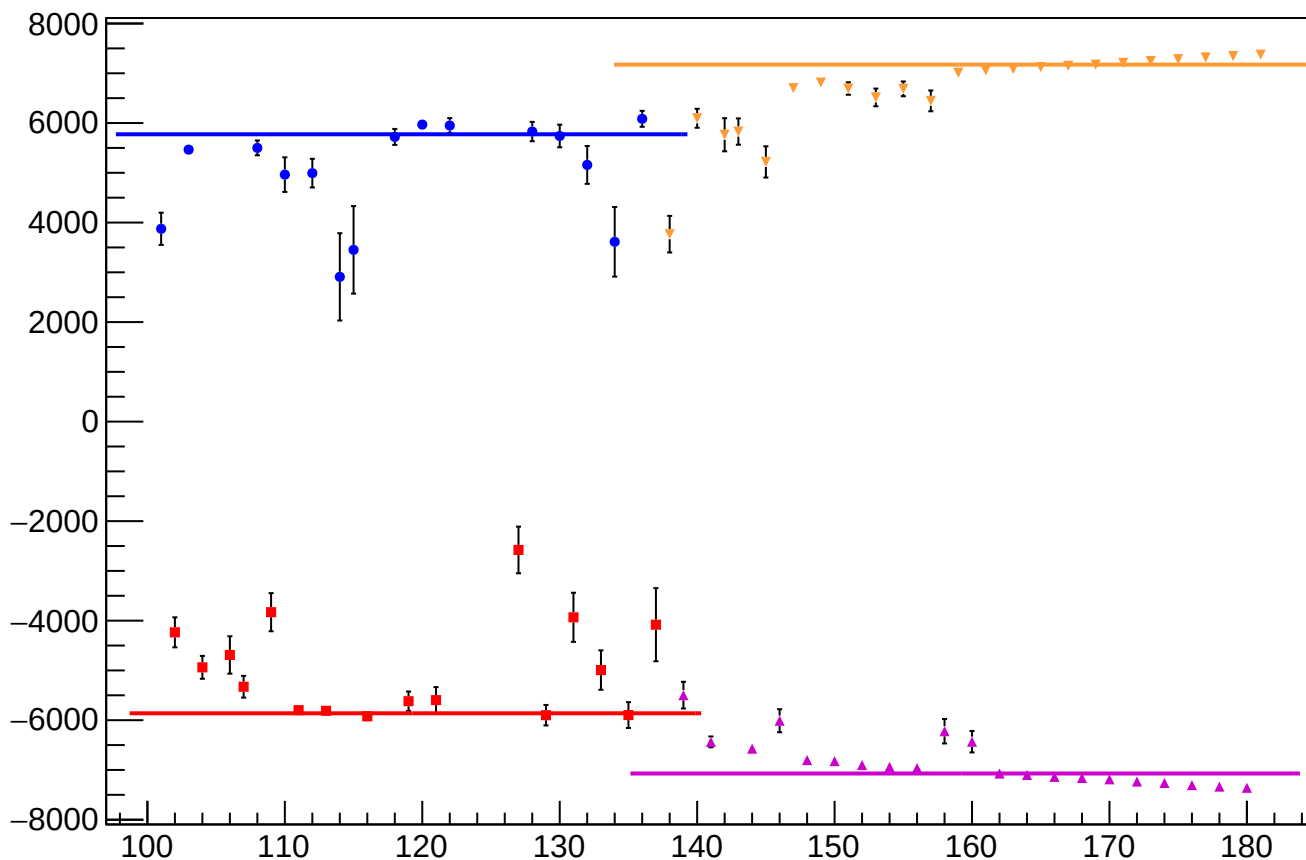
Right In: 100.135+/-0.000 χ^2/NDF : 7813910768784473081480373577053110272.0/14
 Left Out: 43.994+/-0.000 χ^2/NDF : 144038877087981194806470678002270208.0/11
 Right Out: -78.881+/-0.000 χ^2/NDF : 3525129078433901202304301512966275072.0/15
 Left In: -47.092+/-0.000 χ^2/NDF : 302550156086866534805447117402800128.0/10
 All: 2.876+/-0.000 χ^2/NDF : 26235515689479

dit_sam8_coil6_Ndata_mean vs Slug, Sign Corrected



Right In: 1013.146+/-0.000 χ^2/NDF : 31721270909522099205936100724856324096.0/14
 Left Out: 1171.807+/-0.000 χ^2/NDF : 52424901282098583856312492577037221888.0/11
 Right Out: -972.465+/-0.000 χ^2/NDF : 78884457200782655962756069915468234752.0/15
 Left In: -1237.150+/-0.000 χ^2/NDF : 30323445843993737164691986740223672320.0/10
 All: -20.037+/-0.000 χ^2/NDF : 415830099668

dit_run_mean vs Slug, Sign Corrected



Right In: 5774.117+/-0.181 χ^2 /NDF: 1828526.5/14

Left Out: 7173.692+/-0.113 χ^2 /NDF: 2531182.8/22

Right Out: -5861.461+/-0.140 χ^2 /NDF: 180020.4/15

Left In: -7071.344+/-0.109 χ^2 /NDF: 2599738.9/20

Left: -160.659+/-0.078 χ^2 /NDF: 8254835791.3/43

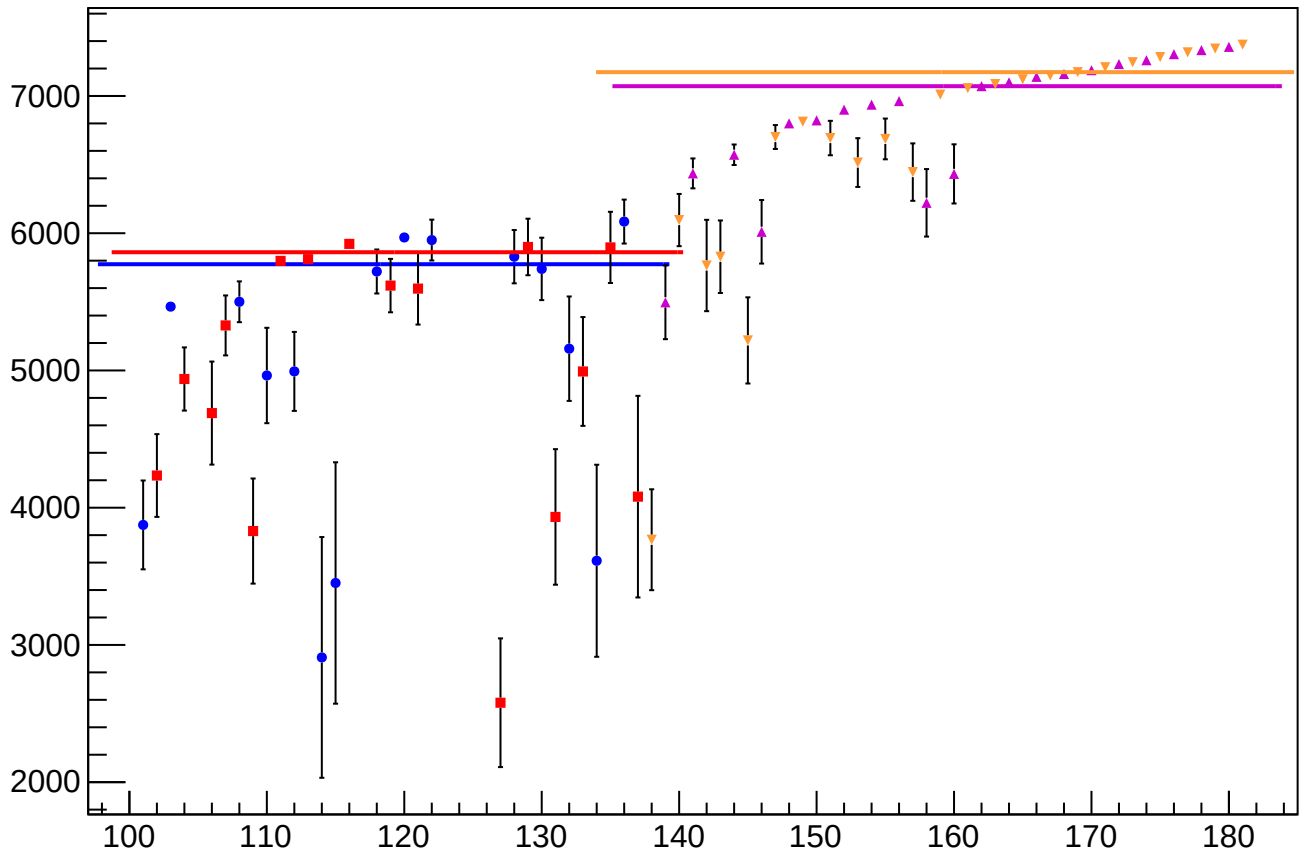
Right: -1536.191+/-0.111 χ^2 /NDF: 2585354230.9/30

In: -3654.339+/-0.094 χ^2 /NDF: 3682744974.9/35

Out: 2038.239+/-0.088 χ^2 /NDF: 5288479002.1/38

All: -620.373+/-0.064 χ^2 /NDF: 10943113317

dit_run_rms vs Slug, Sign Corrected



Right In: 5774.117 $\pm$ 0.181 χ^2 /NDF: 1828526.5/14

Left Out: 7173.692 $\pm$ 0.113 χ^2 /NDF: 2531182.8/22

Right Out: 5861.461 $\pm$ 0.140 χ^2 /NDF: 180020.4/15

Left In: 7071.344 $\pm$ 0.109 χ^2 /NDF: 2599738.9/20

Left: 7120.996 $\pm$ 0.078 χ^2 /NDF: 5556785.8/43

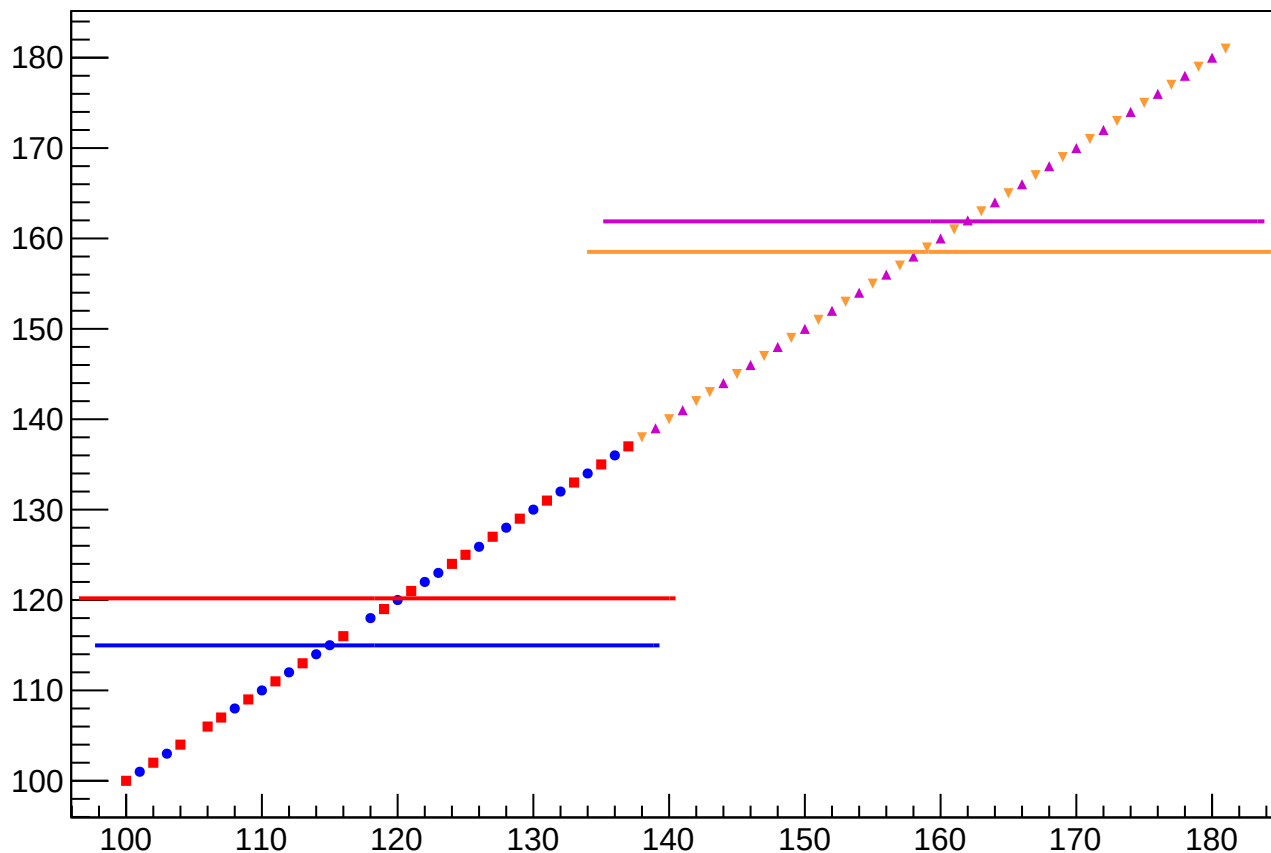
Right: 5828.993 $\pm$ 0.111 χ^2 /NDF: 2154118.4/30

In: 6726.270 $\pm$ 0.094 χ^2 /NDF: 41941260.3/35

Out: 6656.713 $\pm$ 0.088 χ^2 /NDF: 56278073.7/38

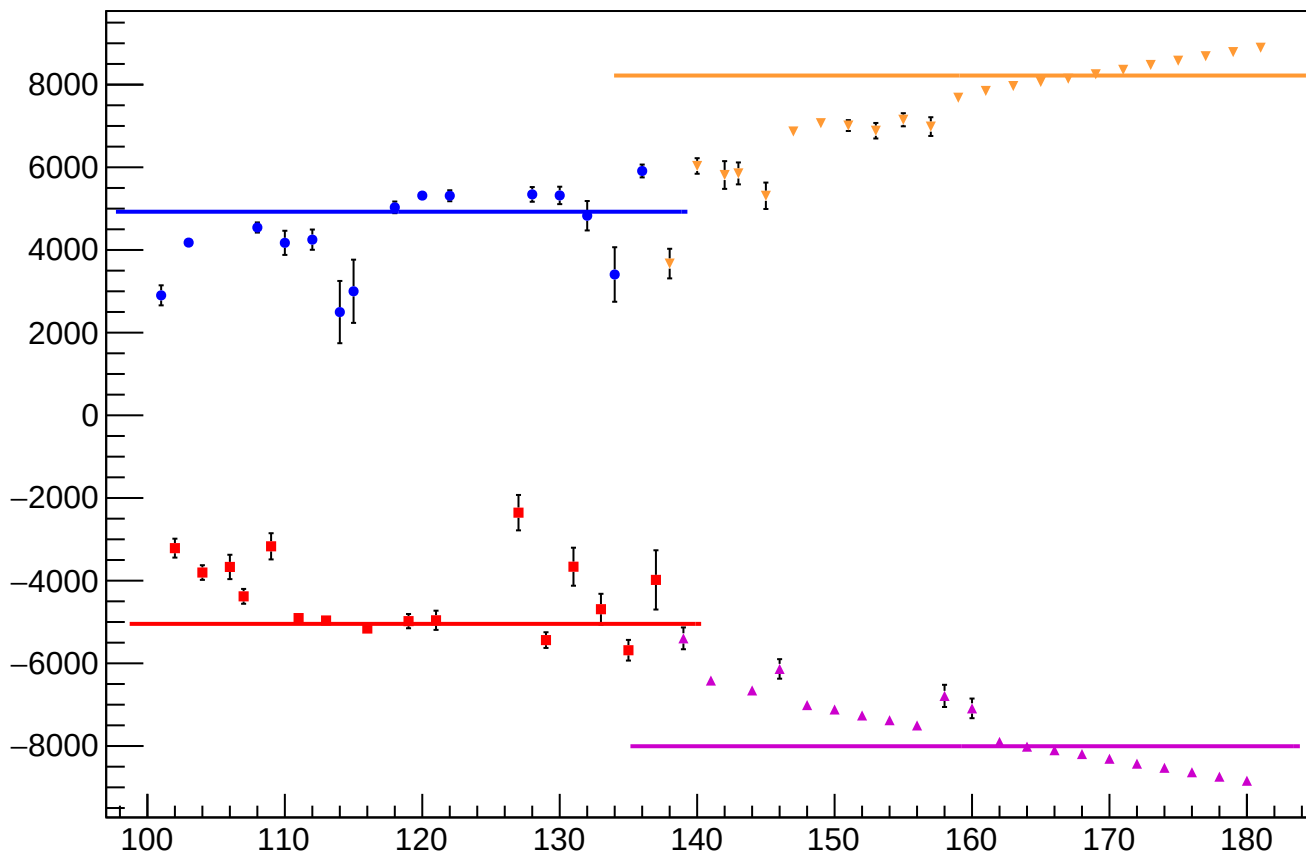
All: 6689.198 $\pm$ 0.064 χ^2 /NDF: 98513740.4/71

dit_slug_slope vs Slug, Sign Corrected



Right In: 114.980 $\pm$ 0.000 χ^2 /NDF: 112344936246012934714934440230912.0/16
 Left Out: 158.516 $\pm$ 0.000 χ^2 /NDF: 81132188890785263948948767244288.0/22
 Right Out: 120.186 $\pm$ 0.000 χ^2 /NDF: 52233253644261695528198041763840.0/18
 Left In: 161.889 $\pm$ 0.000 χ^2 /NDF: 156629079538962710708190319738880.0/20
 All: 136.768 $\pm$ 0.000 χ^2 /NDF: 254569679283

dit_cyclenum_mean vs Slug, Sign Corrected



Right In: 4925.305 +/- 0.939 χ^2/NDF : 330994.6/14

Left Out: 8220.011 +/- 0.451 χ^2/NDF : 1307561.6/22

Right Out: -5045.221 +/- 0.668 χ^2/NDF : 30179.9/15

Left In: -8005.430 +/- 0.428 χ^2/NDF : 1779702.2/20

Left: -319.893 +/- 0.310 χ^2/NDF : 685215285.7/43

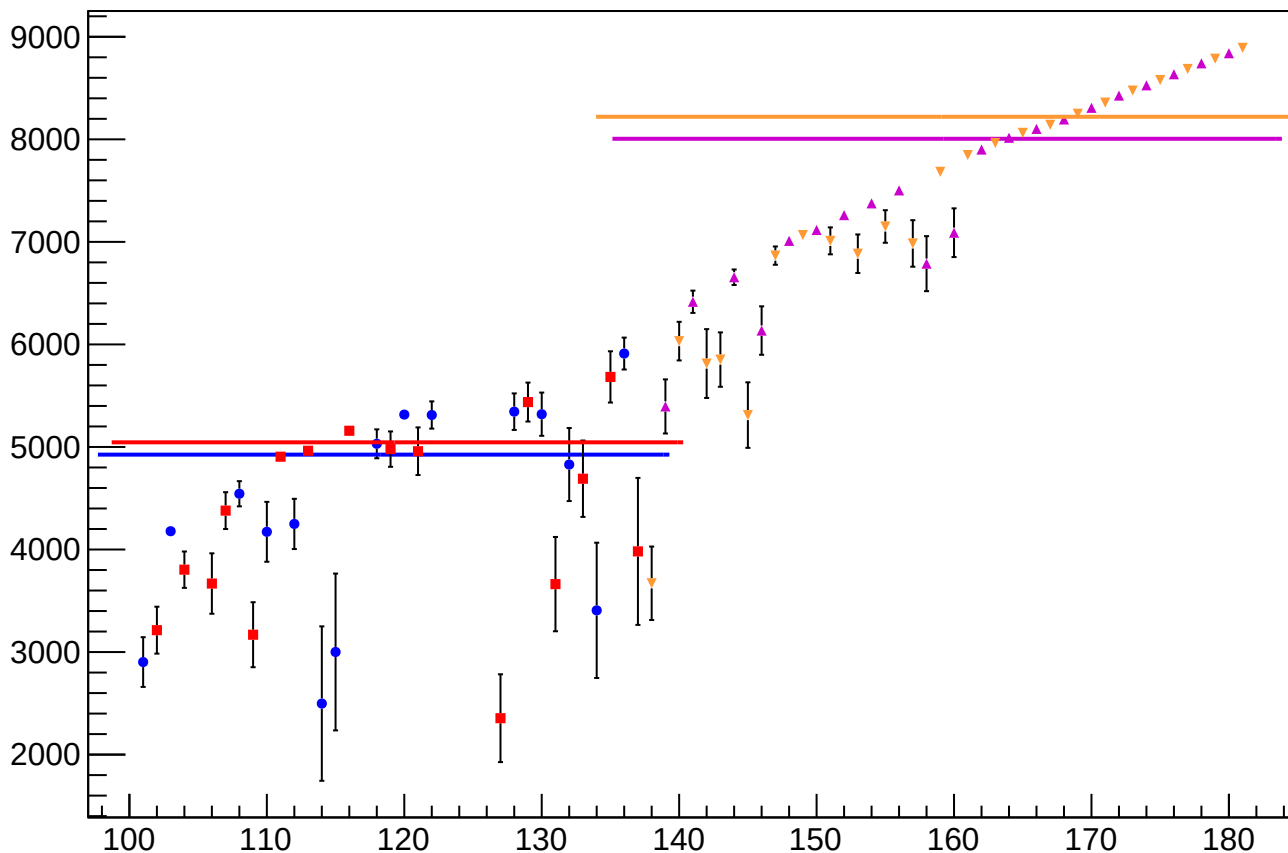
Right: -1694.510 +/- 0.544 χ^2/NDF : 75266282.5/30

In: -5783.657 +/- 0.389 χ^2/NDF : 159262029.2/35

Out: 4068.963 +/- 0.374 χ^2/NDF : 272412459.2/38

All: -657.009 +/- 0.269 χ^2/NDF : 765297706.9/77

dit_cyclenum_rms vs Slug, Sign Corrected



Right In: 4925.305 $\pm$ 0.939 χ^2 /NDF: 330994.6/14

Left Out: 8220.011 $\pm$ 0.451 χ^2 /NDF:1307561.6/22

Right Out: 5045.221 $\pm$ 0.668 χ^2 /NDF: 30179.9/15

Left In: 8005.430 $\pm$ 0.428 χ^2 /NDF:1779702.2/20

Left: 8107.071 $\pm$ 0.310 χ^2 /NDF: 3206567.7/43

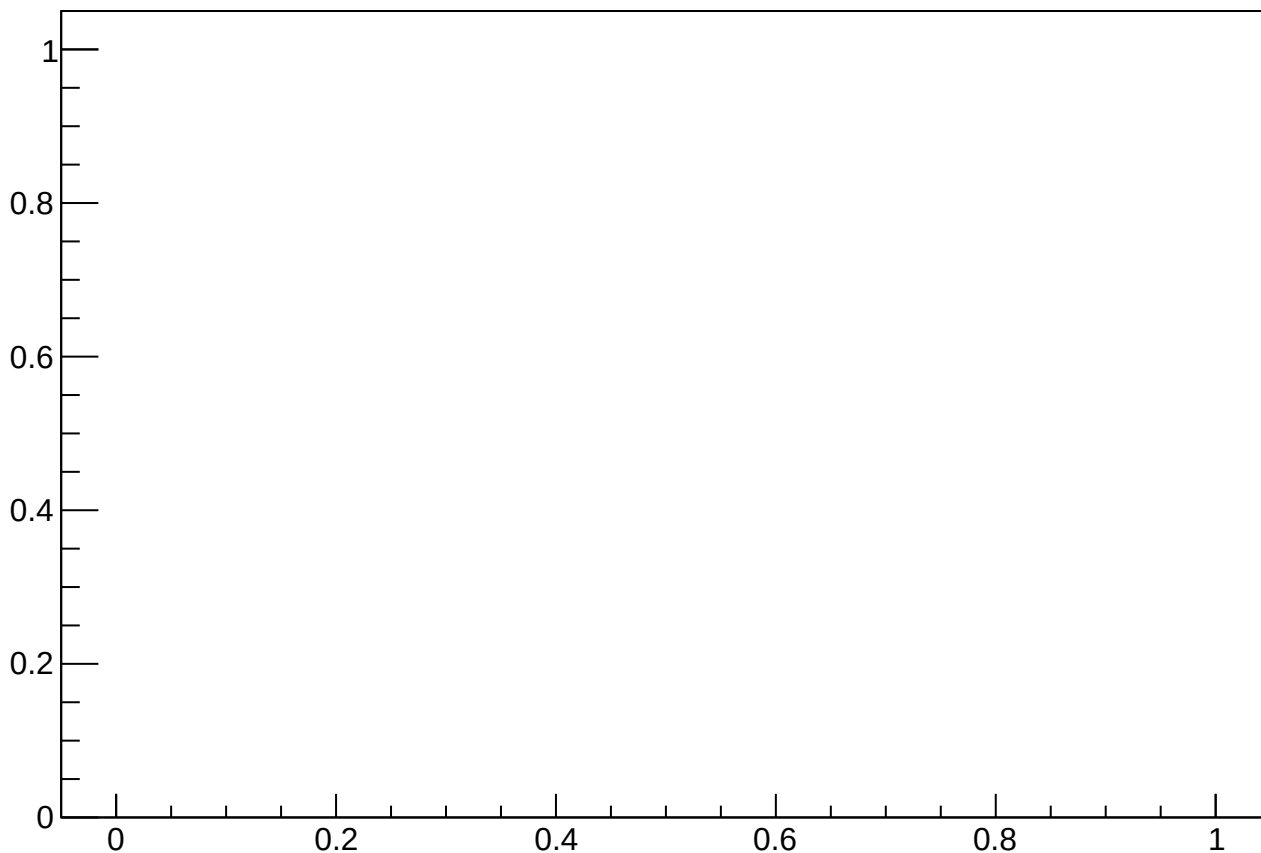
Right: 5004.922 $\pm$ 0.544 χ^2 /NDF: 372009.4/30

In: 7476.200 $\pm$ 0.389 χ^2 /NDF:11027479.5/35

Out: 7226.534 $\pm$ 0.374 χ^2 /NDF:16864801.5/38

All: 7346.290 $\pm$ 0.269 χ^2 /NDF: 28106506.8/71

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

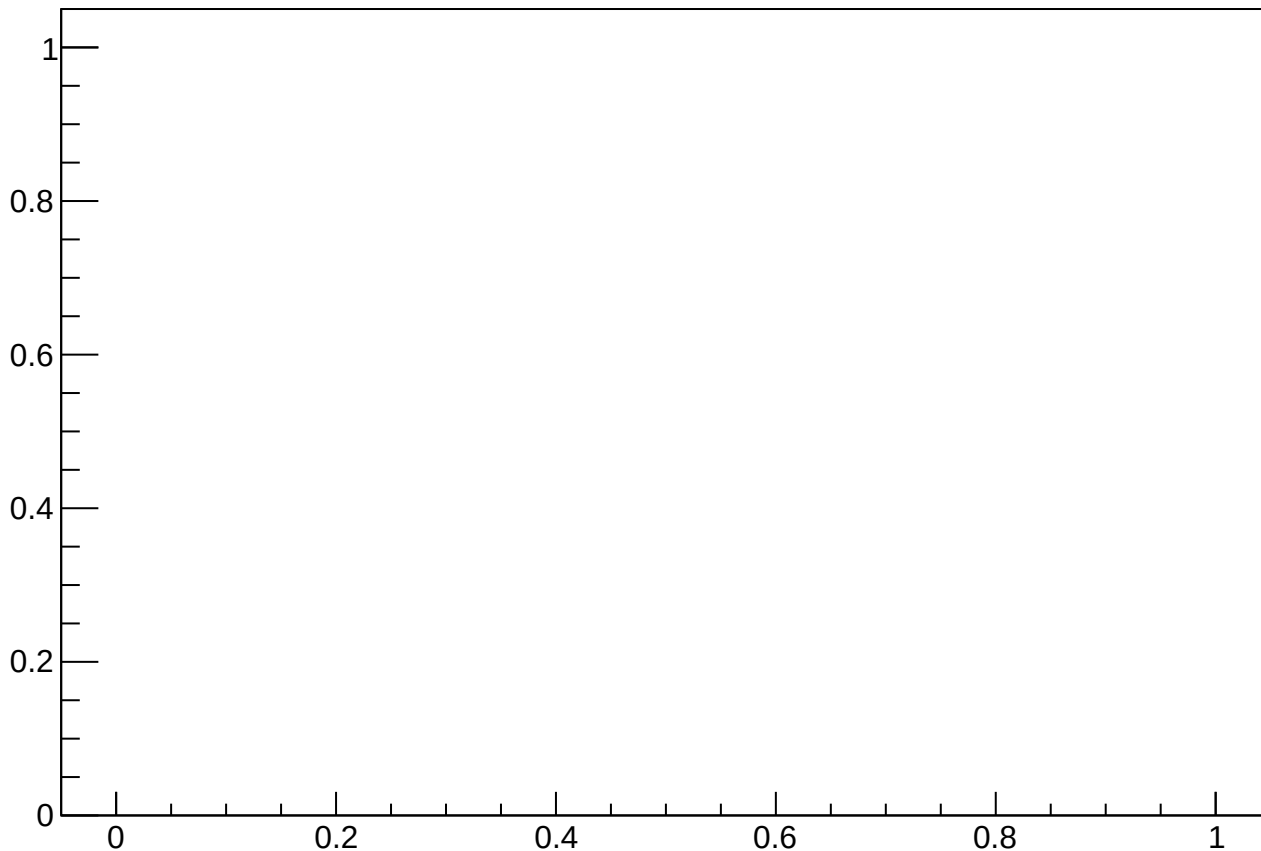
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

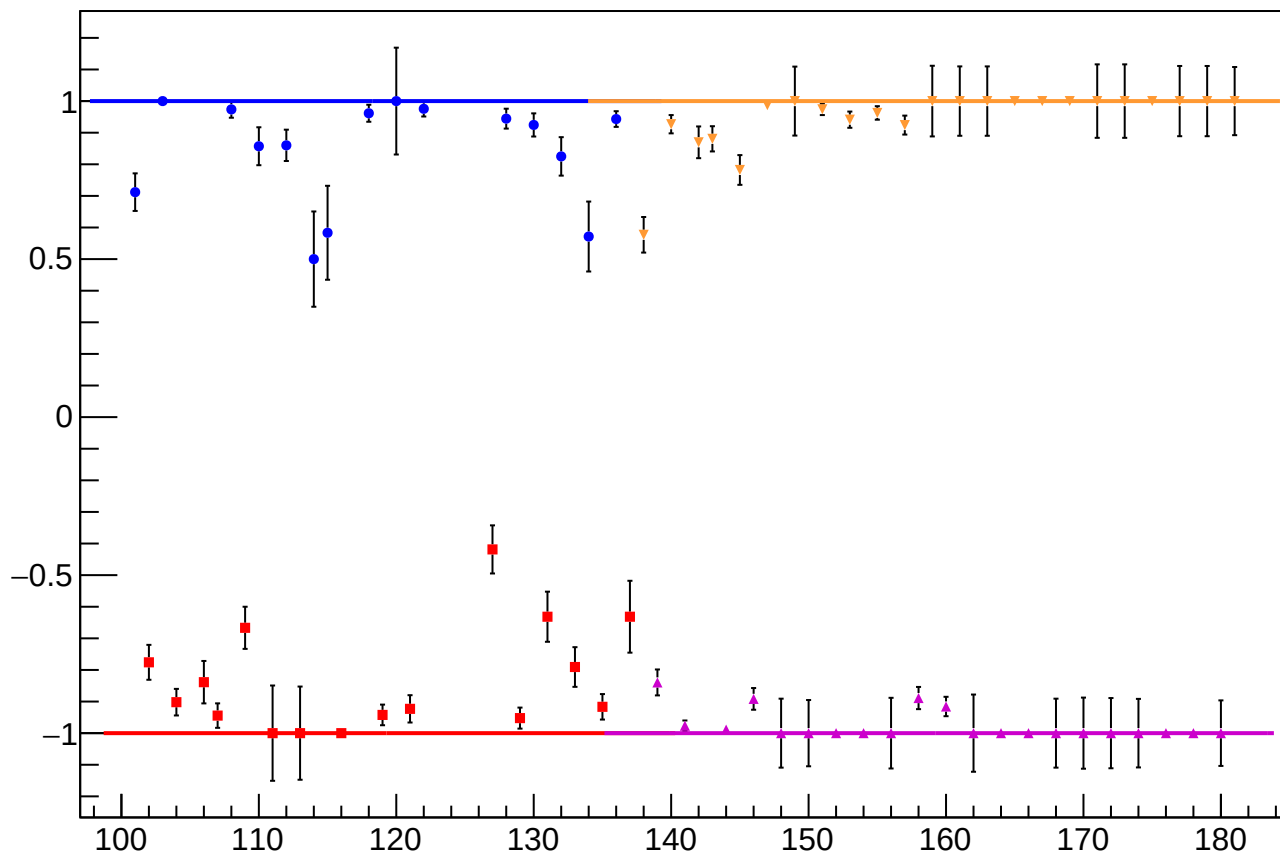
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

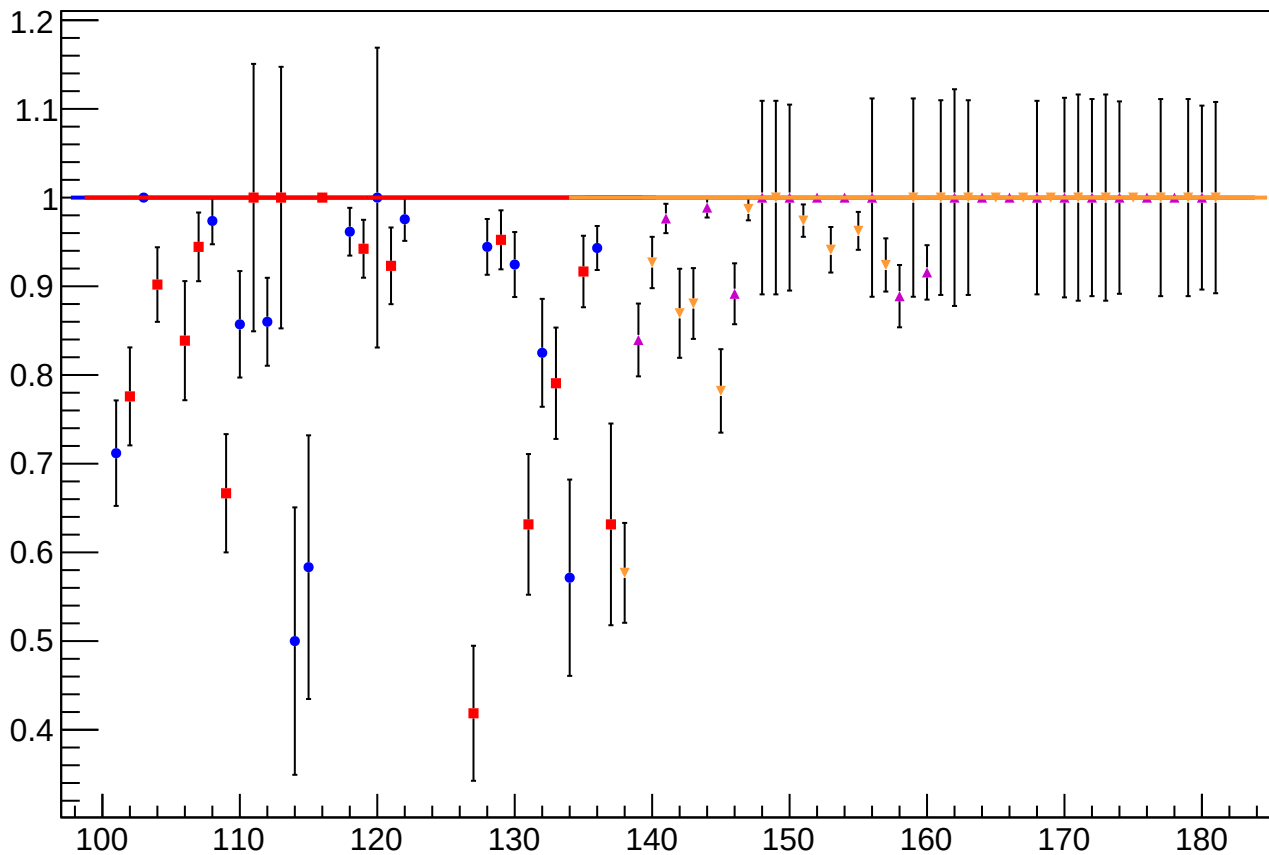
dit_flag_mean vs Slug, Sign Corrected



Right In: 1.000 ± 0.000 $\chi^2/\text{NDF}: 95.9/14$
 Left Out: 1.000 ± 0.000 $\chi^2/\text{NDF}: 1596.8/22$
 Right Out: -1.000 ± 0.000 $\chi^2/\text{NDF}: 168.9/15$
 Left In: -1.000 ± 0.000 $\chi^2/\text{NDF}: 513.8/20$

Left: -0.252 ± 0.000 $\chi^2/\text{NDF}: 24014308785883060$
 Right: 0.398 ± 0.000 $\chi^2/\text{NDF}: 14173250084479480$
 In: -0.863 ± 0.000 $\chi^2/\text{NDF}: 438405836417588381$
 Out: 0.900 ± 0.000 $\chi^2/\text{NDF}: 192642163504562978$
 All: -0.212 ± 0.000 $\chi^2/\text{NDF}: 2609736288529$

dit_flag_rms vs Slug, Sign Corrected



Right In: 1.000 ± 0.000 χ^2/NDF : 95.9/14

Left Out: 1.000 ± 0.000 χ^2/NDF : 1596.8/22

Right Out: 1.000 ± 0.000 χ^2/NDF : 168.9/15

Left In: 1.000 ± 0.000 χ^2/NDF : 513.8/20

Left: 1.000 ± 0.000 χ^2/NDF : 690.6/43

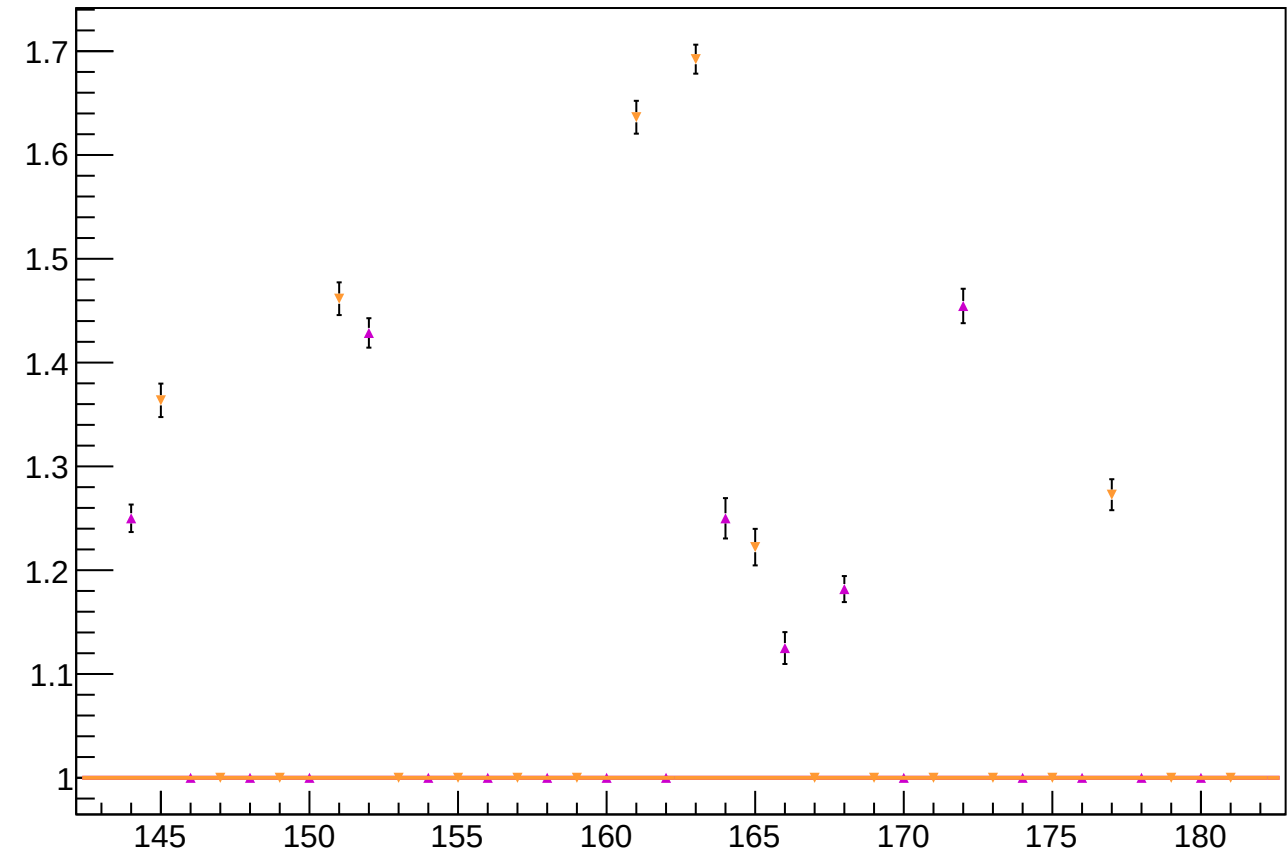
Right: 1.000 ± 0.000 χ^2/NDF : 347.8/30

In: 1.000 ± 0.000 χ^2/NDF : 642.7/35

Out: 1.000 ± 0.000 χ^2/NDF : 607.7/38

All: 1.000 ± 0.000 χ^2/NDF : 1287.4/74

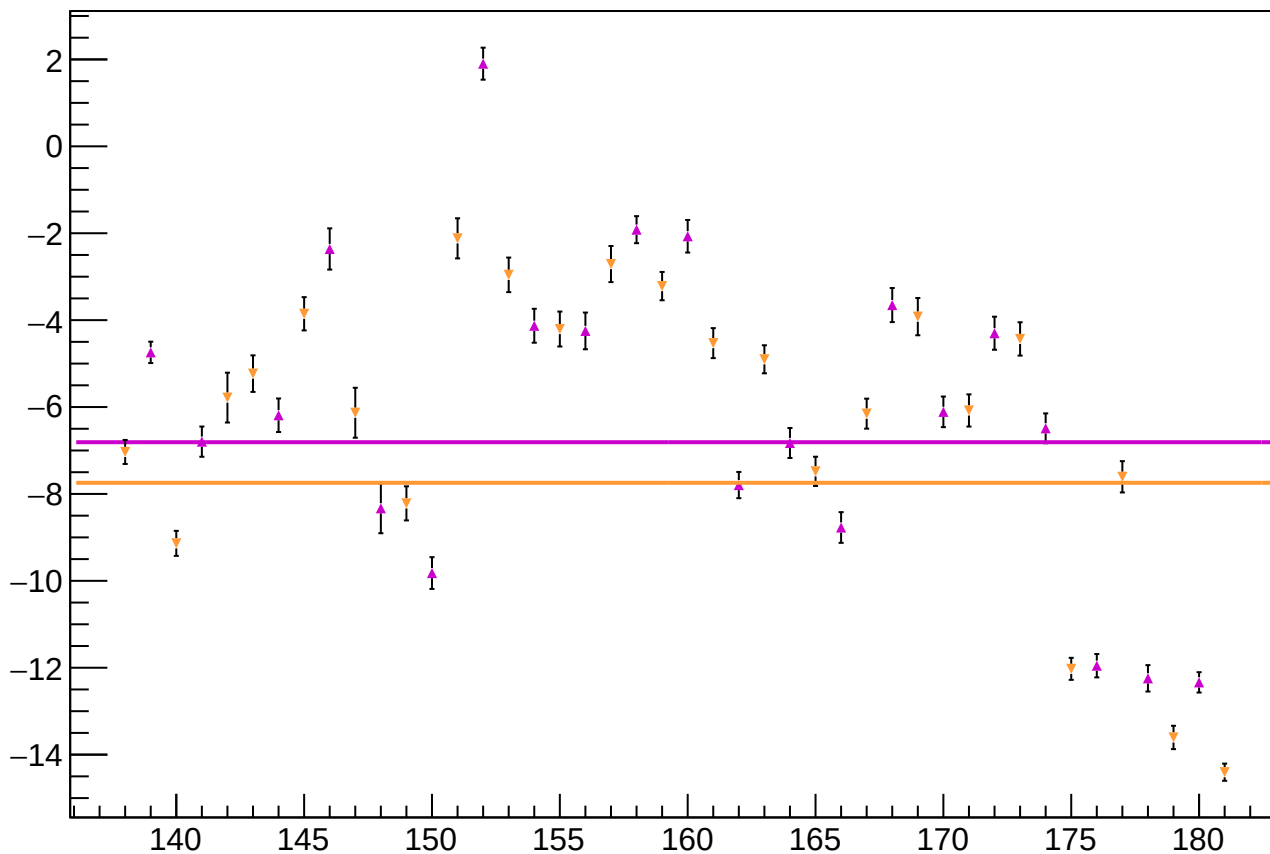
dit_segment_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: 1.000+/-0.000 χ^2/NDF : 6984.7/18
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: 1.000+/-0.000 χ^2/NDF : 9899.0/18

Left: 1.000+/-0.000 χ^2/NDF : 9934.3/37
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
In: 1.000+/-0.000 χ^2/NDF : 9899.0/18
Out: 1.000+/-0.000 χ^2/NDF : 6984.7/18
All: 1.000+/-0.000 χ^2/NDF : 9934.3/37

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: -7.744 $\pm$ 0.071 χ^2 /NDF:3153.5/22

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

Left In: -6.810 $\pm$ 0.074 χ^2 /NDF:2685.9/20

Left: -7.296 $\pm$ 0.051 χ^2 /NDF: 5922.9/43

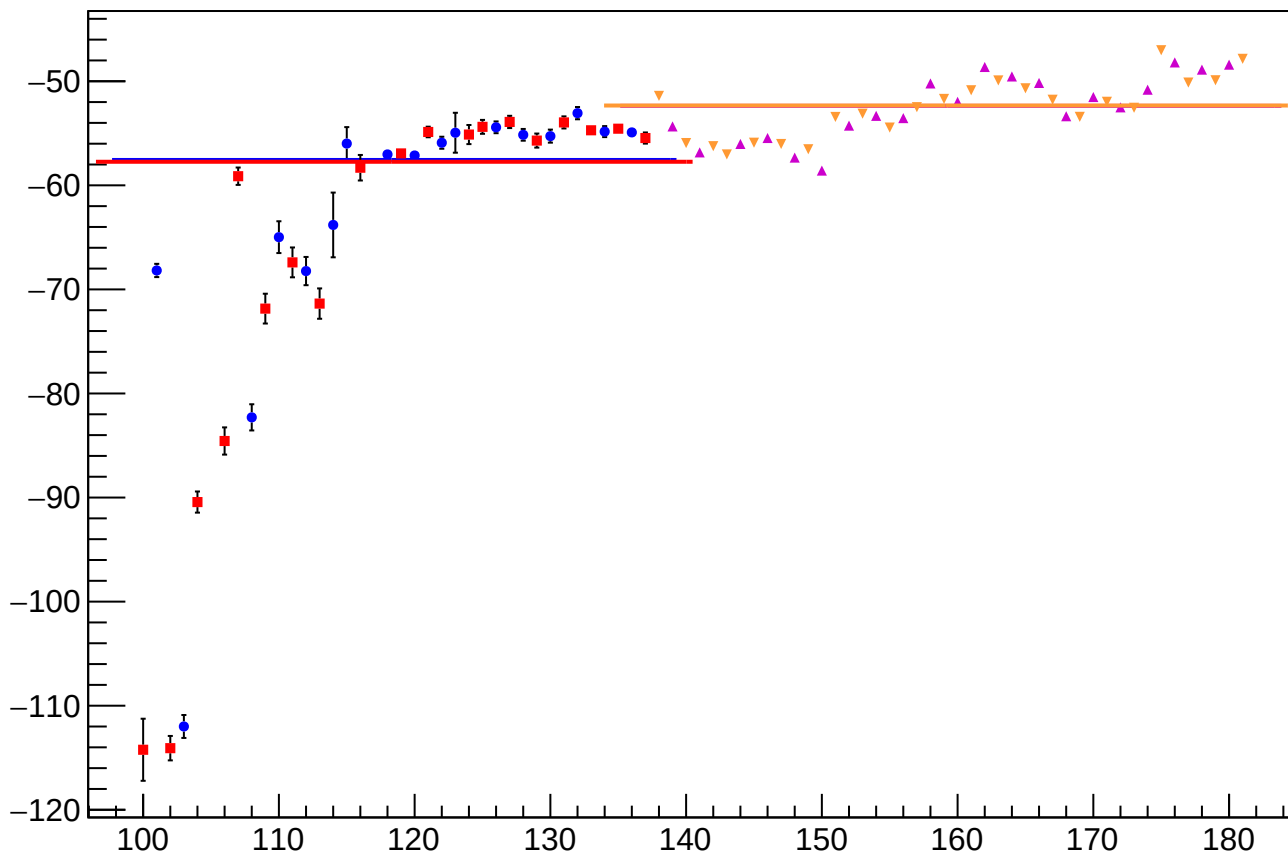
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -6.810 $\pm$ 0.074 χ^2 /NDF:2685.9/20

Out: -7.744 $\pm$ 0.071 χ^2 /NDF:3153.5/22

All: -7.296 $\pm$ 0.051 χ^2 /NDF: 5922.9/43

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.563 ± 0.141 χ^2/NDF : 3455.9/16

Left Out: -52.331 ± 0.057 χ^2/NDF : 2476.1/22

Right Out: -57.736 ± 0.143 χ^2/NDF : 4698.4/18

Left In: -52.366 ± 0.060 χ^2/NDF : 2859.2/20

Left: -52.348 ± 0.041 χ^2/NDF : 5335.4/43

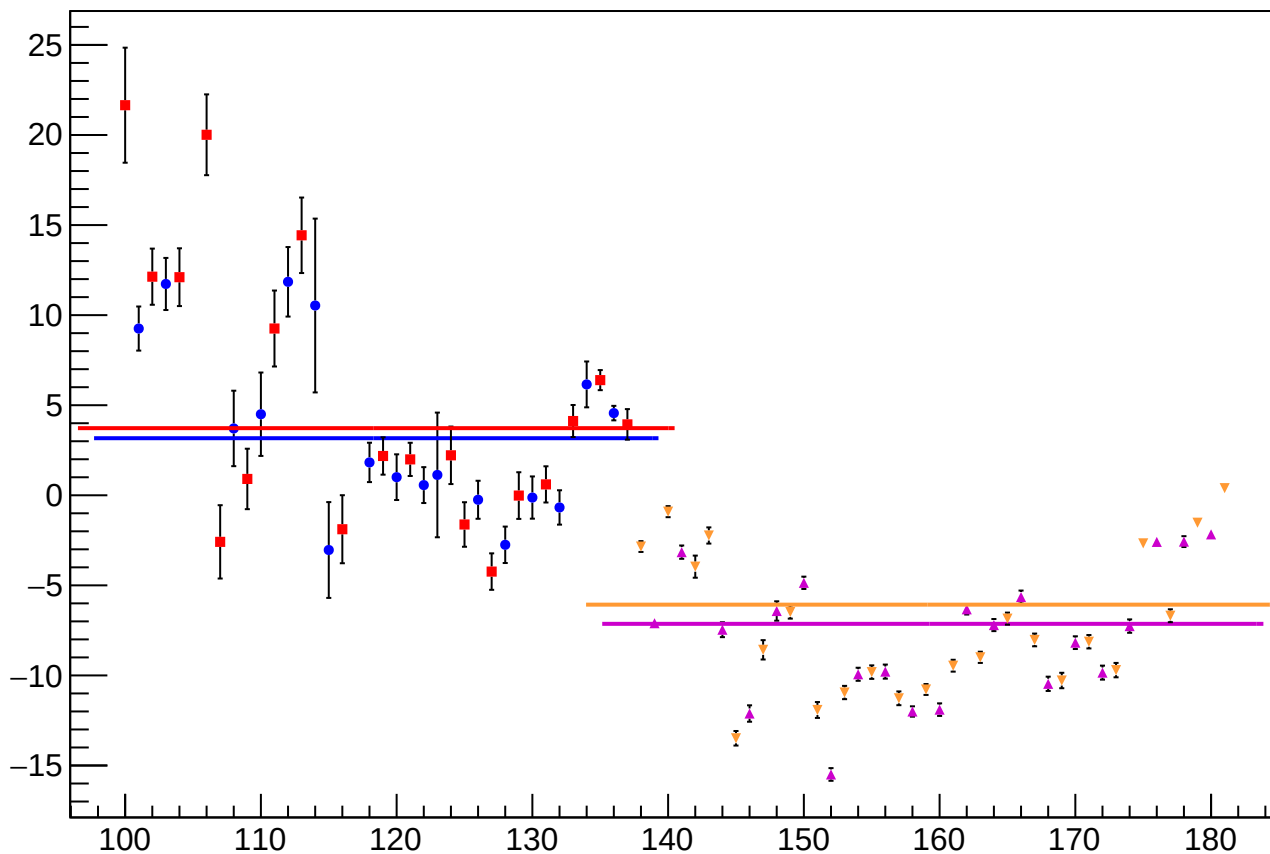
Right: -57.649 ± 0.101 χ^2/NDF : 8155.1/35

In: -53.153 ± 0.055 χ^2/NDF : 7460.5/37

Out: -53.071 ± 0.053 χ^2/NDF : 8407.3/41

All: -53.110 ± 0.038 χ^2/NDF : 15868.9/79

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.168 ± 0.258 $\chi^2/\text{NDF}: 186.2/16$

Left Out: -6.071 ± 0.071 $\chi^2/\text{NDF}: 3626.8/22$

Right Out: 3.726 ± 0.267 $\chi^2/\text{NDF}: 323.3/18$

Left In: -7.136 ± 0.073 $\chi^2/\text{NDF}: 2554.1/20$

Left: -6.585 ± 0.051 $\chi^2/\text{NDF}: 6290.8/43$

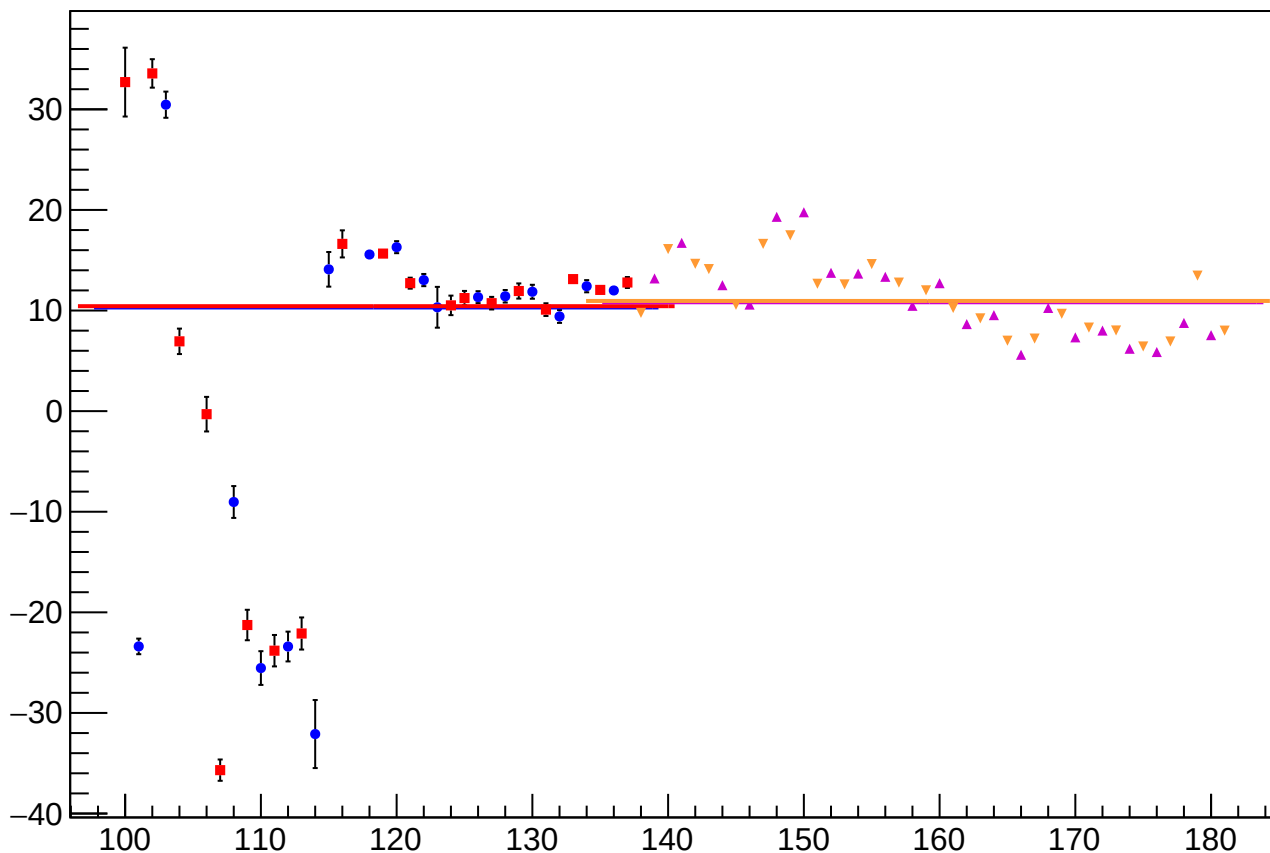
Right: 3.437 ± 0.185 $\chi^2/\text{NDF}: 511.7/35$

In: -6.368 ± 0.070 $\chi^2/\text{NDF}: 4219.7/37$

Out: -5.430 ± 0.068 $\chi^2/\text{NDF}: 5207.5/41$

All: -5.885 ± 0.049 $\chi^2/\text{NDF}: 9518.8/79$

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: 10.953 $\pm$ 0.064 χ^2 /NDF:2607.7/22

Right Out: 10.433 $\pm$ 0.160 χ^2 /NDF: 3828.5/18

Left In: 10.822 $\pm$ 0.066 χ^2 /NDF:3460.9/20

Left: 10.890 $\pm$ 0.046 χ^2 /NDF: 6070.7/43

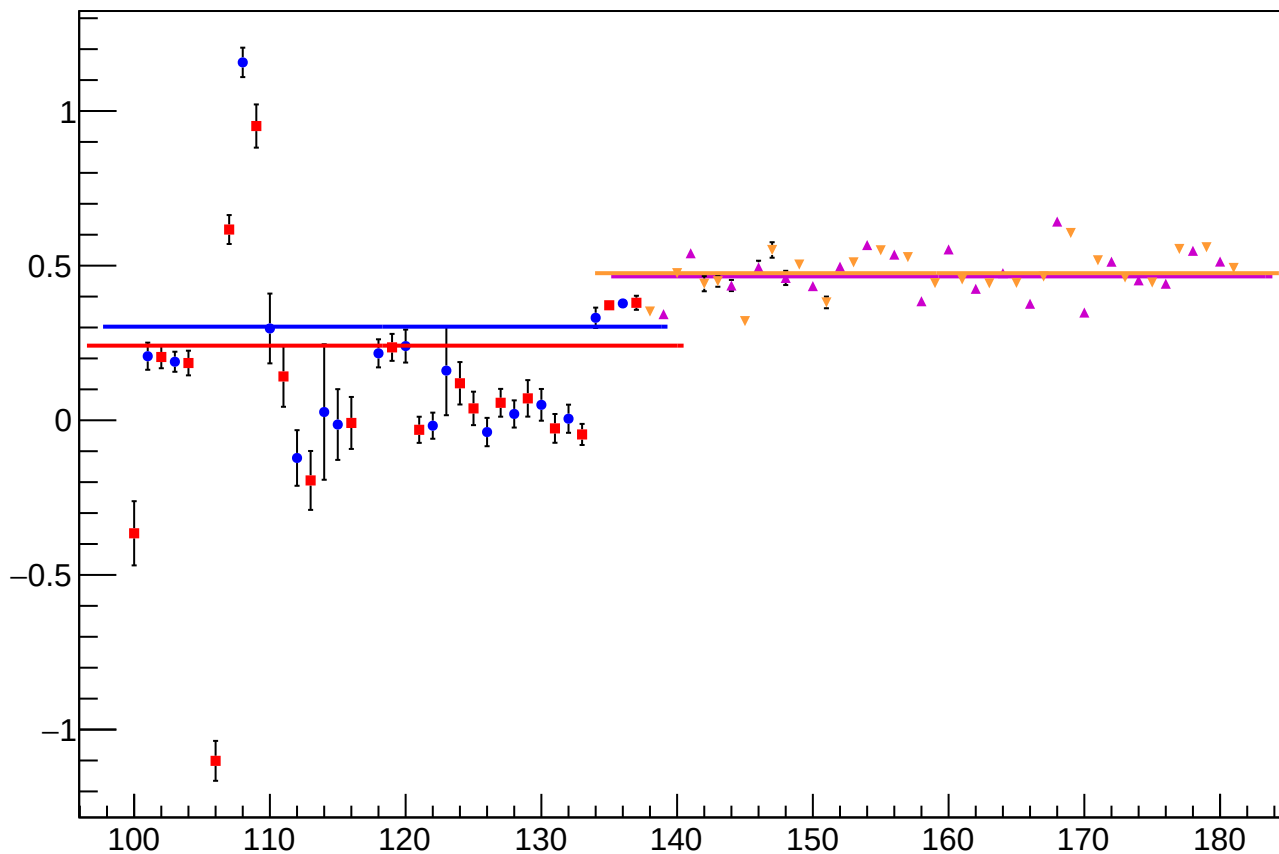
Right: 10.368 $\pm$ 0.112 χ^2 /NDF: 7541.1/35

In: 10.744 $\pm$ 0.061 χ^2 /NDF:7182.4/37

Out: 10.882 $\pm$ 0.059 χ^2 /NDF:6445.3/41

All: 10.815 $\pm$ 0.042 χ^2 /NDF: 13630.4/79

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.303 ± 0.008 χ^2/NDF : 646.6/16

Left Out: 0.476 ± 0.003 χ^2/NDF : 498.4/22

Right Out: 0.241 ± 0.008 χ^2/NDF : 986.7/18

Left In: 0.465 ± 0.003 χ^2/NDF : 743.1/20

Left: 0.470 ± 0.002 χ^2/NDF : 1248.0/43

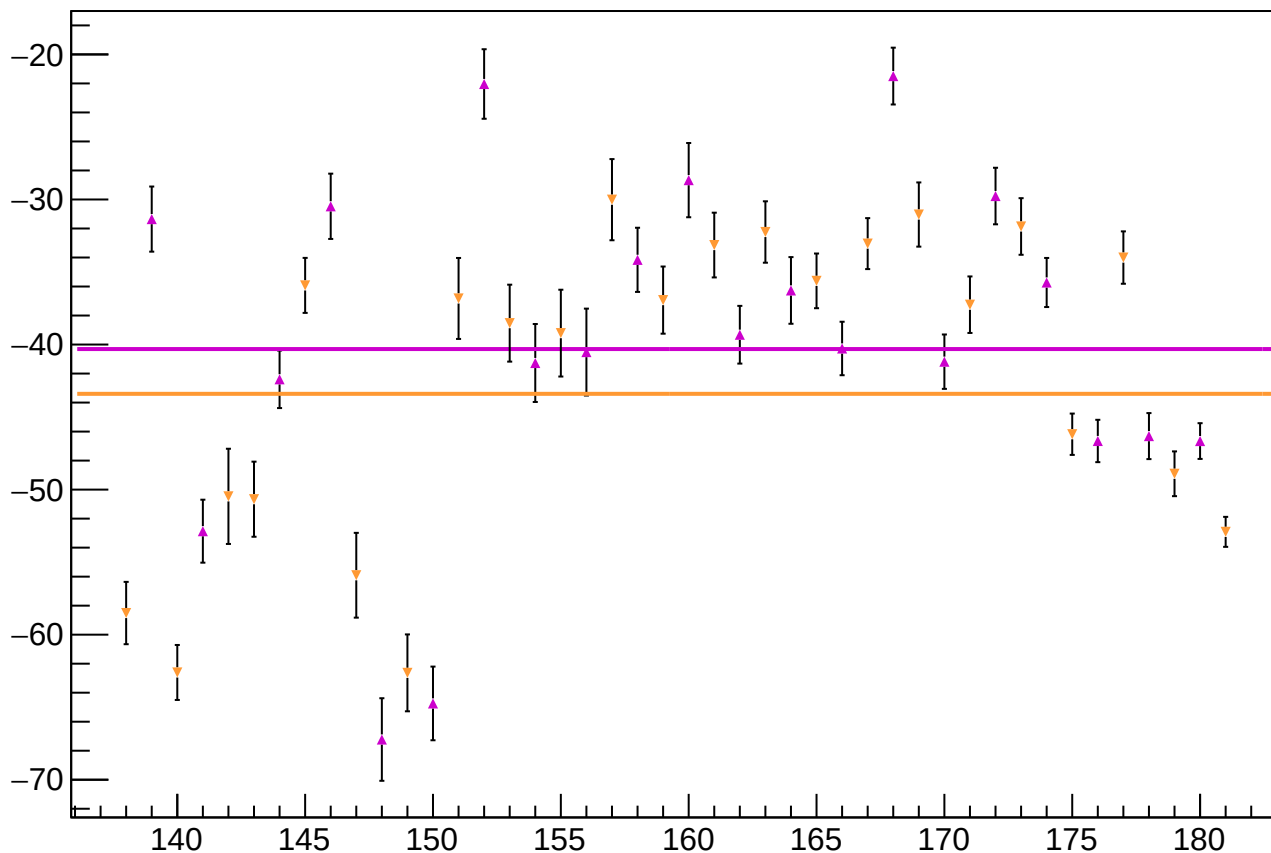
Right: 0.273 ± 0.006 χ^2/NDF : 1660.4/35

In: 0.447 ± 0.003 χ^2/NDF : 1739.2/37

Out: 0.452 ± 0.003 χ^2/NDF : 2168.3/41

All: 0.449 ± 0.002 χ^2/NDF : 3908.9/79

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



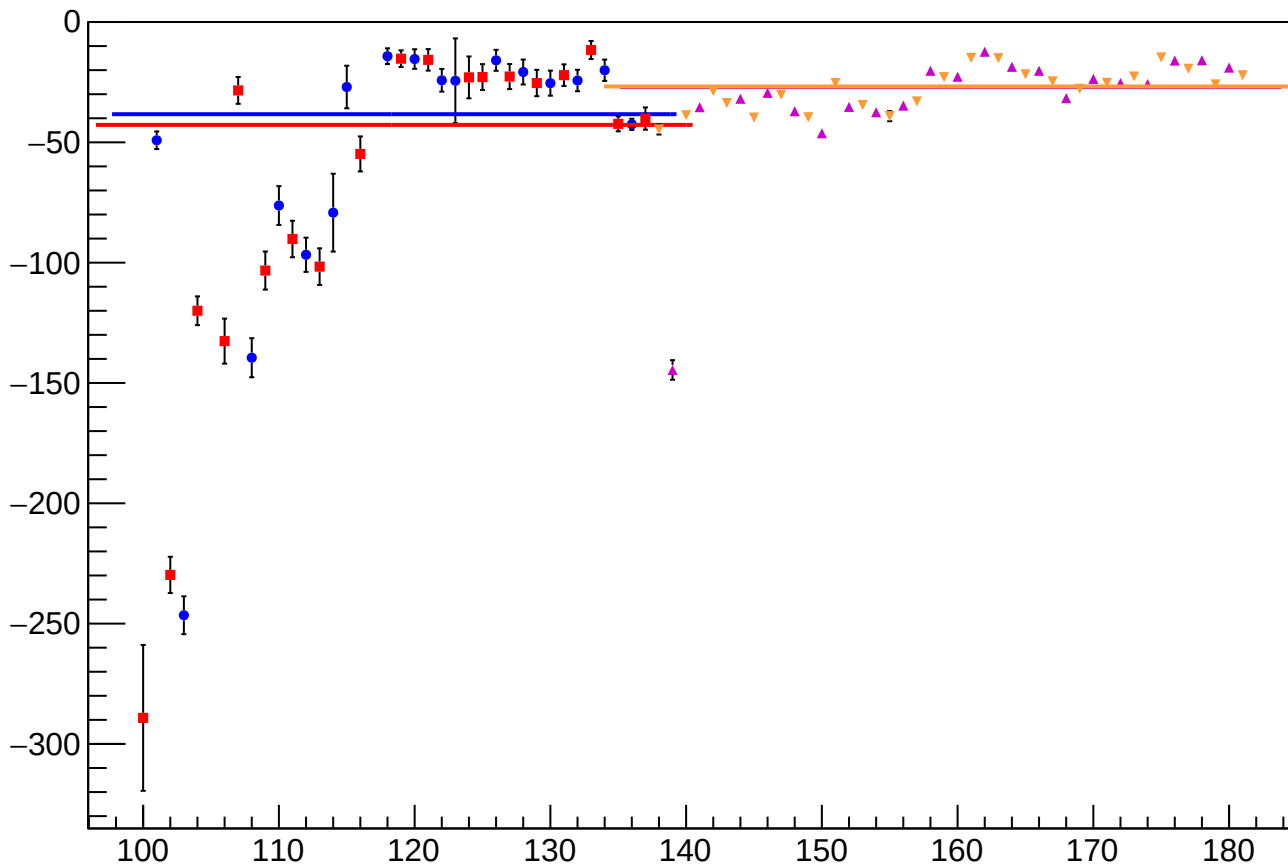
Right In: 0.000 +/- 0.000 χ^2/NDF : 0.0/0
 Left Out: -43.397 +/- 0.412 χ^2/NDF : 597.9/22
 Right Out: 0.000 +/- 0.000 χ^2/NDF : 0.0/0
 Left In: -40.311 +/- 0.433 χ^2/NDF : 530.5/20

Left: -41.929 +/- 0.298 χ^2/NDF : 1155.1/43
 Right: 0.000 +/- 0.000 χ^2/NDF : 0.0/0

In: -40.311 +/- 0.433 χ^2/NDF : 530.5/20
 Out: -43.397 +/- 0.412 χ^2/NDF : 597.9/22

All: -41.929 +/- 0.298 χ^2/NDF : 1155.1/43

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: -26.775 ± 0.329 $\chi^2/\text{NDF}: 601.5/22$

Right Out: -42.756 ± 1.211 $\chi^2/\text{NDF}: 1341.6/18$

Left In: -27.036 ± 0.343 $\chi^2/\text{NDF}: 1459.0/20$

Left: -26.900 ± 0.237 $\chi^2/\text{NDF}: 2060.9/43$

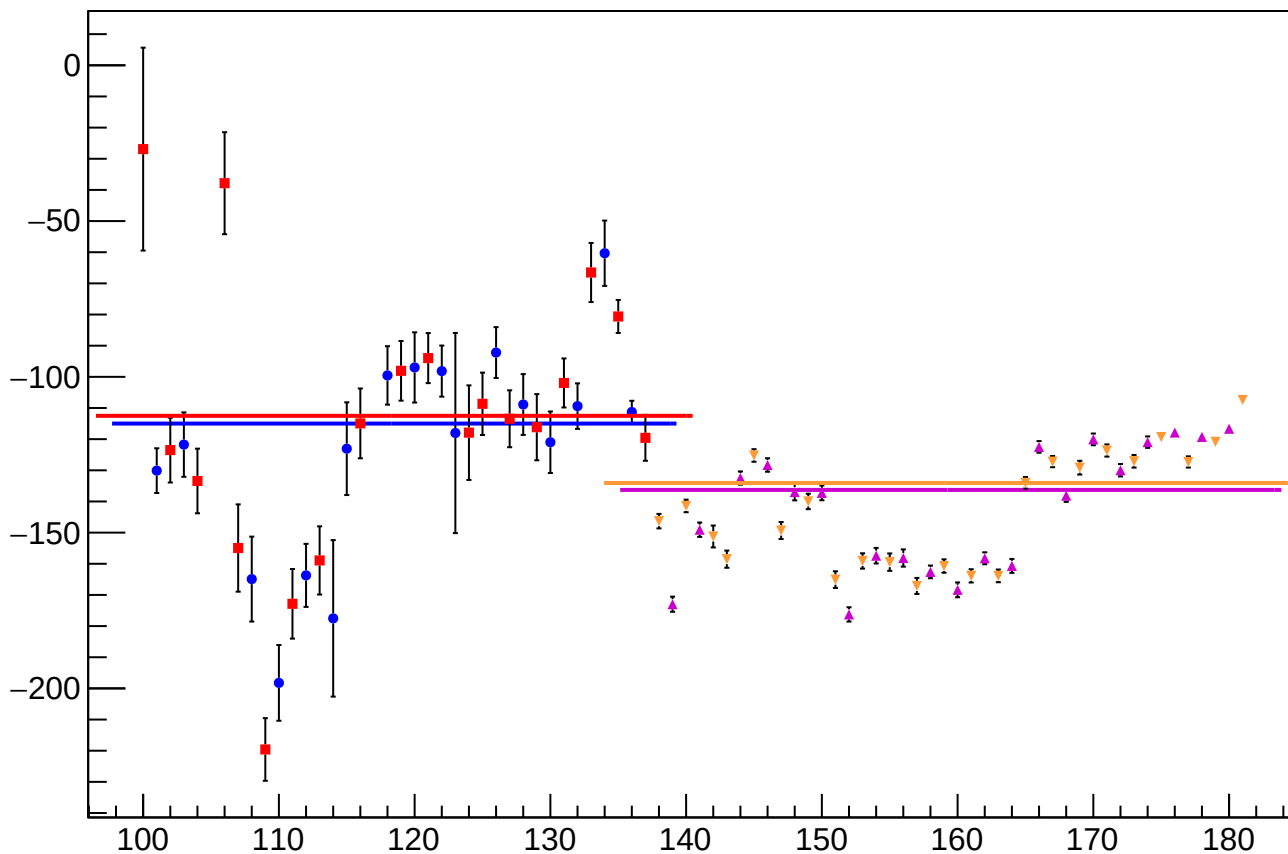
Right: -40.393 ± 0.829 $\chi^2/\text{NDF}: 2481.4/35$

In: -27.975 ± 0.328 $\chi^2/\text{NDF}: 2681.8/37$

Out: -27.877 ± 0.318 $\chi^2/\text{NDF}: 2105.4/41$

All: -27.924 ± 0.228 $\chi^2/\text{NDF}: 4787.2/79$

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: -134.069 ± 0.414 $\chi^2/\text{NDF}: 2119.6/22$

Right Out: -112.510 ± 2.207 $\chi^2/\text{NDF}: 273.1/18$

Left In: -136.291 ± 0.430 $\chi^2/\text{NDF}: 2056.6/20$

Left: -135.136 ± 0.298 $\chi^2/\text{NDF}: 4190.0/43$

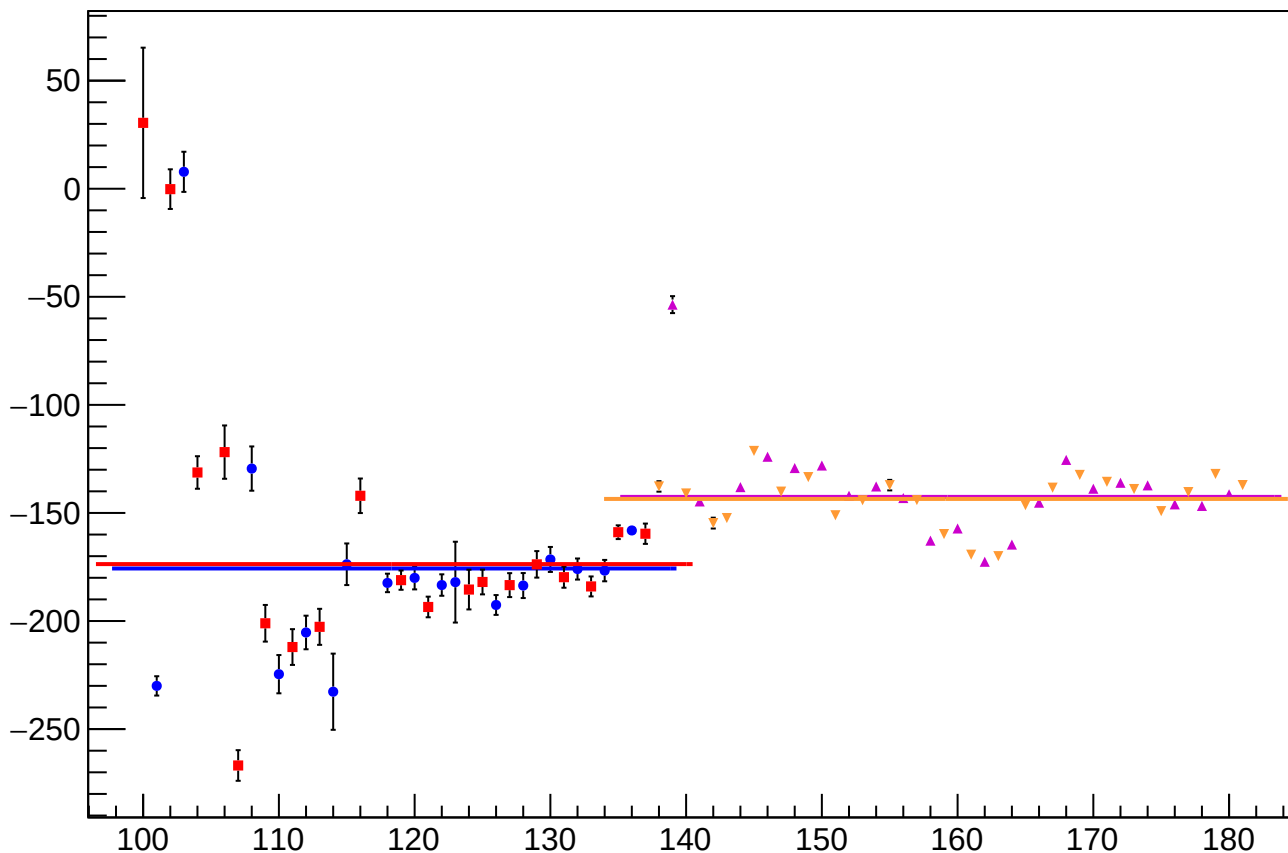
Right: -113.831 ± 1.511 $\chi^2/\text{NDF}: 415.6/35$

In: -135.411 ± 0.421 $\chi^2/\text{NDF}: 2299.6/37$

Out: -133.337 ± 0.406 $\chi^2/\text{NDF}: 2484.9/41$

All: -134.337 ± 0.293 $\chi^2/\text{NDF}: 4797.1/79$

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -175.696 ± 1.268 $\chi^2/\text{NDF}: 692.9/16$

Left Out: -143.514 ± 0.370 $\chi^2/\text{NDF}: 1015.6/22$

Right Out: -173.666 ± 1.356 $\chi^2/\text{NDF}: 737.7/18$

Left In: -142.575 ± 0.384 $\chi^2/\text{NDF}: 1540.3/20$

Left: -143.061 ± 0.266 $\chi^2/\text{NDF}: 2558.9/43$

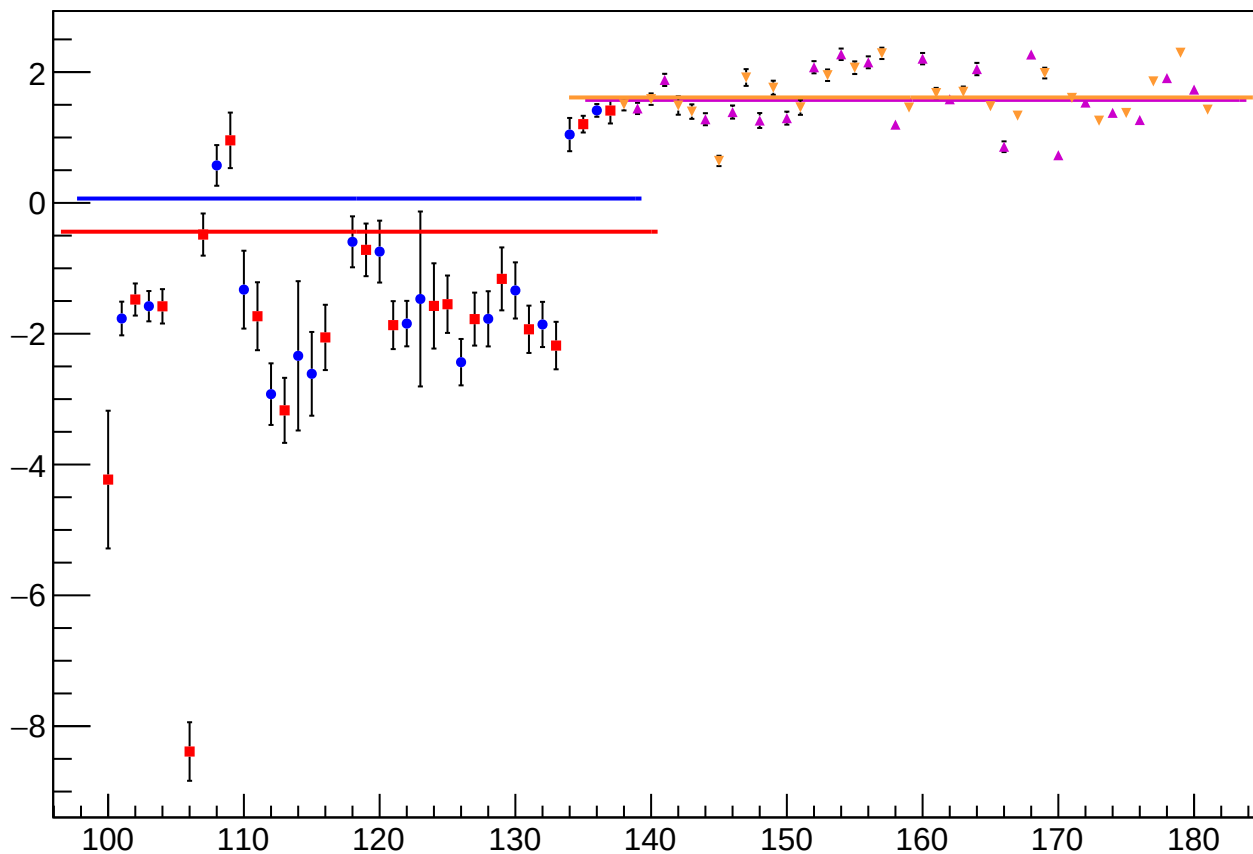
Right: -174.749 ± 0.926 $\chi^2/\text{NDF}: 1431.8/35$

In: -145.355 ± 0.367 $\chi^2/\text{NDF}: 2858.6/37$

Out: -145.607 ± 0.357 $\chi^2/\text{NDF}: 2213.5/41$

All: -145.485 ± 0.256 $\chi^2/\text{NDF}: 5072.3/79$

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.067 ± 0.067 $\chi^2/\text{NDF}: 526.1/16$

Left Out: 1.612 ± 0.017 $\chi^2/\text{NDF}: 460.8/22$

Right Out: -0.440 ± 0.071 $\chi^2/\text{NDF}: 754.9/18$

Left In: 1.575 ± 0.017 $\chi^2/\text{NDF}: 653.0/20$

Left: 1.594 ± 0.012 $\chi^2/\text{NDF}: 1116.0/43$

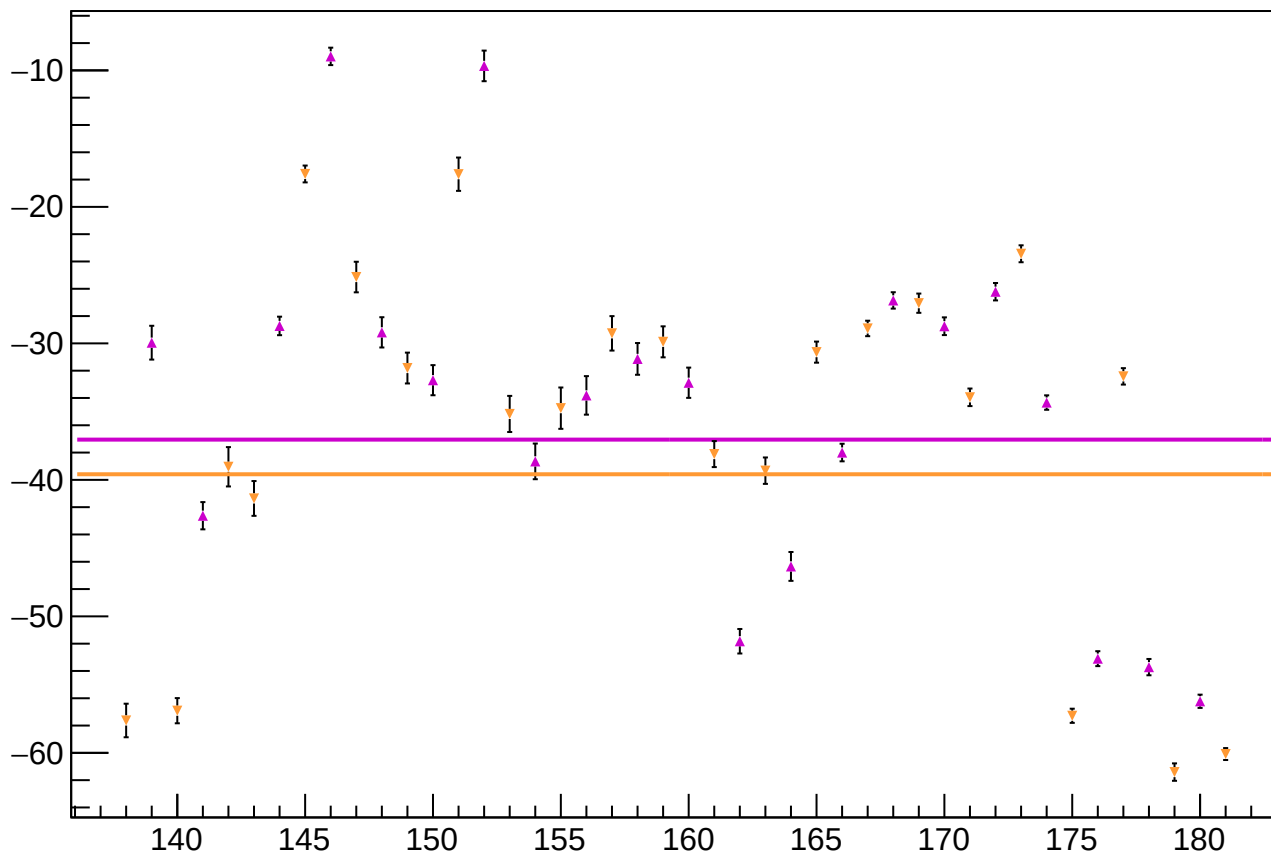
Right: -0.172 ± 0.049 $\chi^2/\text{NDF}: 1308.0/35$

In: 1.480 ± 0.017 $\chi^2/\text{NDF}: 1654.2/37$

Out: 1.501 ± 0.017 $\chi^2/\text{NDF}: 2003.6/41$

All: 1.490 ± 0.012 $\chi^2/\text{NDF}: 3658.6/79$

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -39.589+/-0.161 χ^2/NDF : 8773.5/22

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

Left In: -37.051+/-0.163 χ^2/NDF : 7172.5/20

Left: -38.335+/-0.115 χ^2/NDF : 16068.1/43

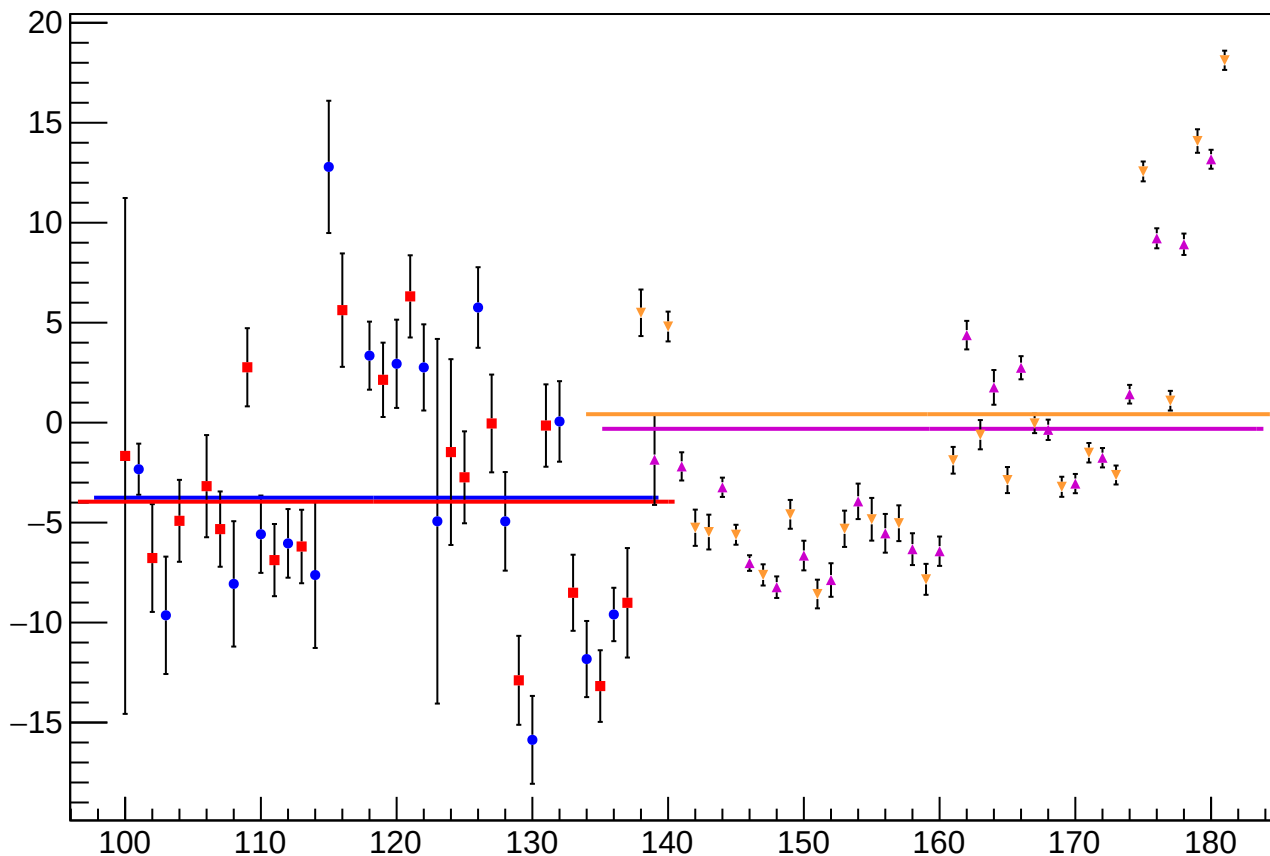
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -37.051+/-0.163 χ^2/NDF : 7172.5/20

Out: -39.589+/-0.161 χ^2/NDF : 8773.5/22

All: -38.335+/-0.115 χ^2/NDF : 16068.1/43

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.754 ± 0.495 χ^2/NDF : 165.3/16

Left Out: 0.422 ± 0.129 χ^2/NDF : 3576.5/22

Right Out: -3.954 ± 0.507 χ^2/NDF : 123.3/18

Left In: -0.309 ± 0.128 χ^2/NDF : 2484.6/20

Left: 0.055 ± 0.091 χ^2/NDF : 6077.2/43

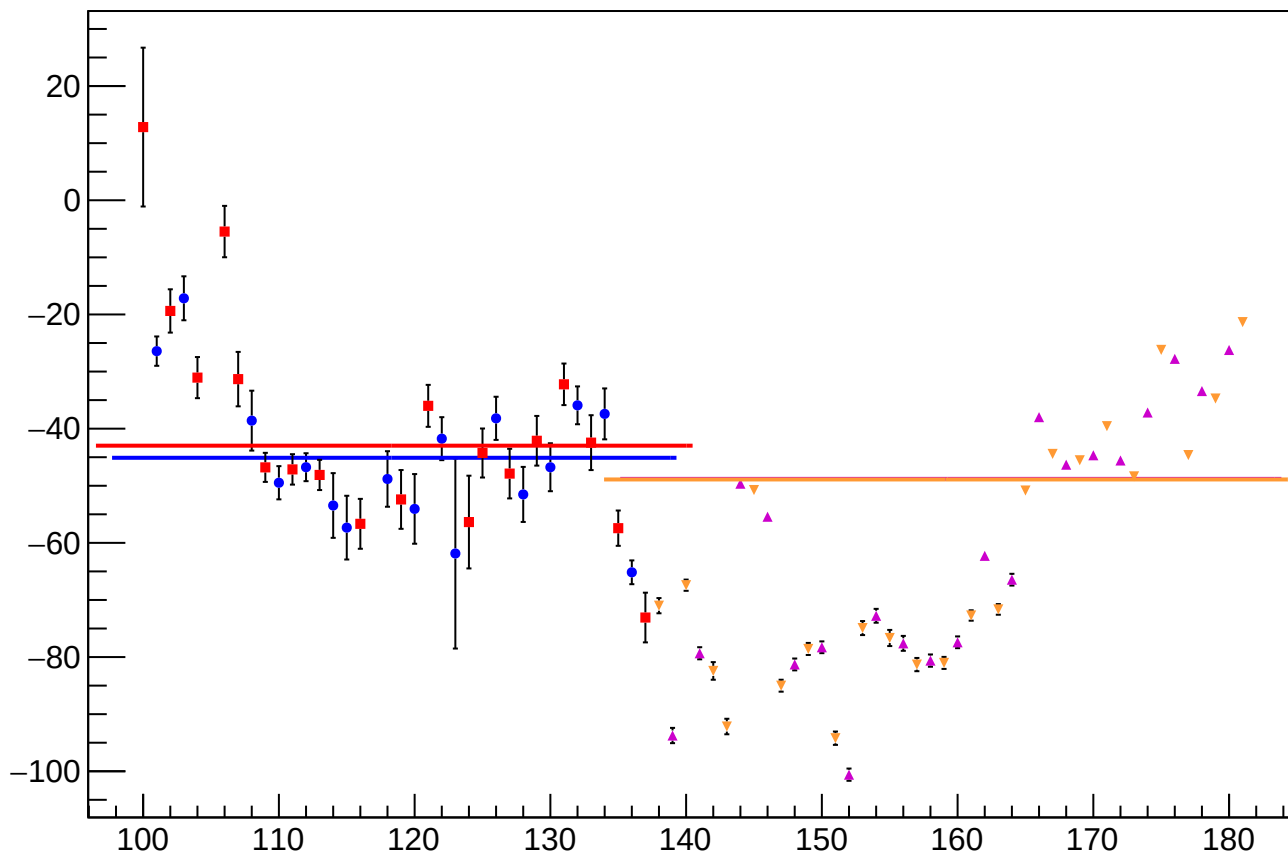
Right: -3.852 ± 0.354 χ^2/NDF : 288.7/35

In: -0.526 ± 0.124 χ^2/NDF : 2695.3/37

Out: 0.157 ± 0.125 χ^2/NDF : 3769.8/41

All: -0.187 ± 0.088 χ^2/NDF : 6480.1/79

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -45.101 ± 0.881 χ^2/NDF : 229.9/16

Left Out: -48.896 ± 0.162 χ^2/NDF : 15860.9/22

Right Out: -42.979 ± 0.877 χ^2/NDF : 248.9/18

Left In: -48.795 ± 0.164 χ^2/NDF : 14388.5/20

Left: -48.846 ± 0.115 χ^2/NDF : 30249.5/43

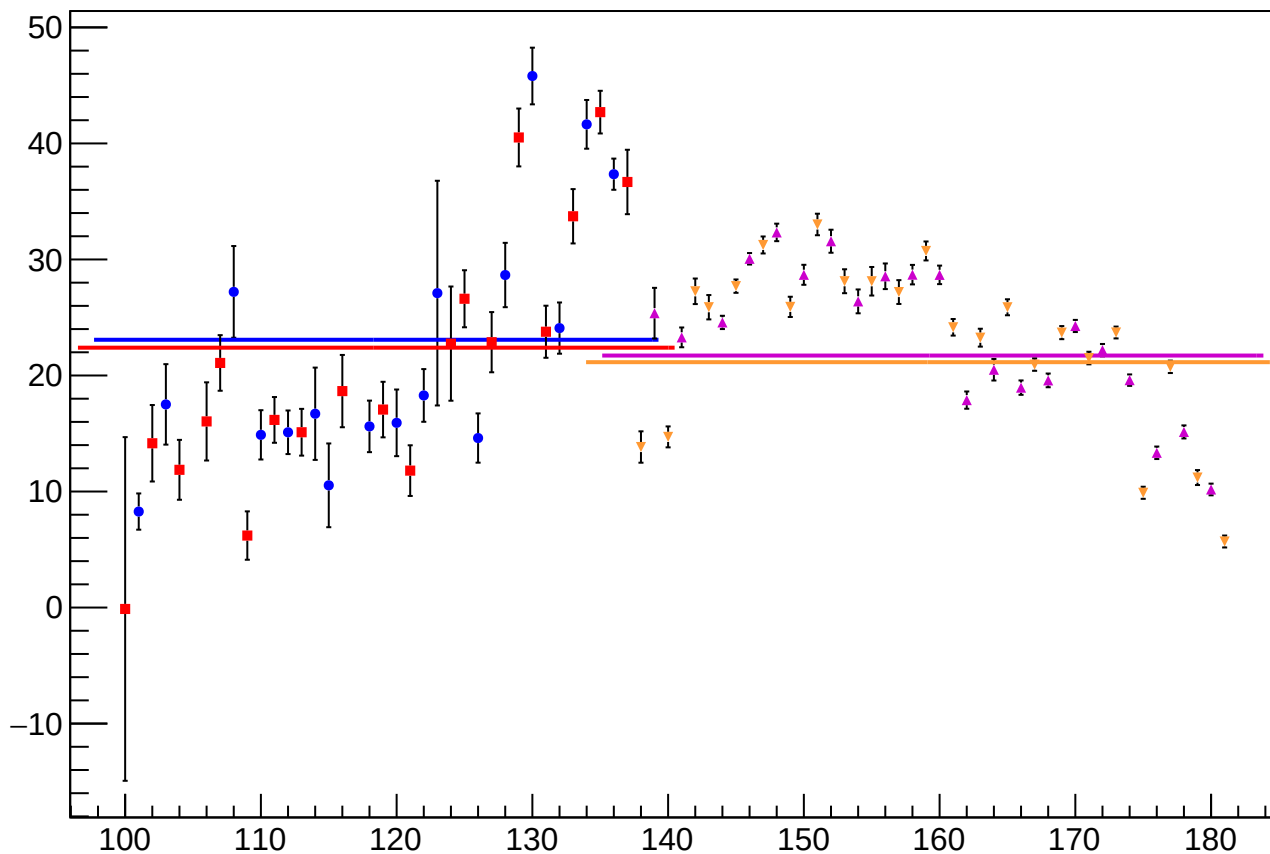
Right: -44.036 ± 0.622 χ^2/NDF : 481.6/35

In: -48.672 ± 0.161 χ^2/NDF : 14635.3/37

Out: -48.700 ± 0.160 χ^2/NDF : 16153.7/41

All: -48.686 ± 0.113 χ^2/NDF : 30789.1/79

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.079 $\pm$ 0.556 χ^2 /NDF: 461.1/16

Left Out: 21.148 $\pm$ 0.144 χ^2 /NDF:2617.8/22

Right Out: 22.397 $\pm$ 0.572 χ^2 /NDF: 370.3/18

Left In: 21.719 $\pm$ 0.145 χ^2 /NDF:1887.4/20

Left: 21.433 $\pm$ 0.102 χ^2 /NDF: 4513.0/43

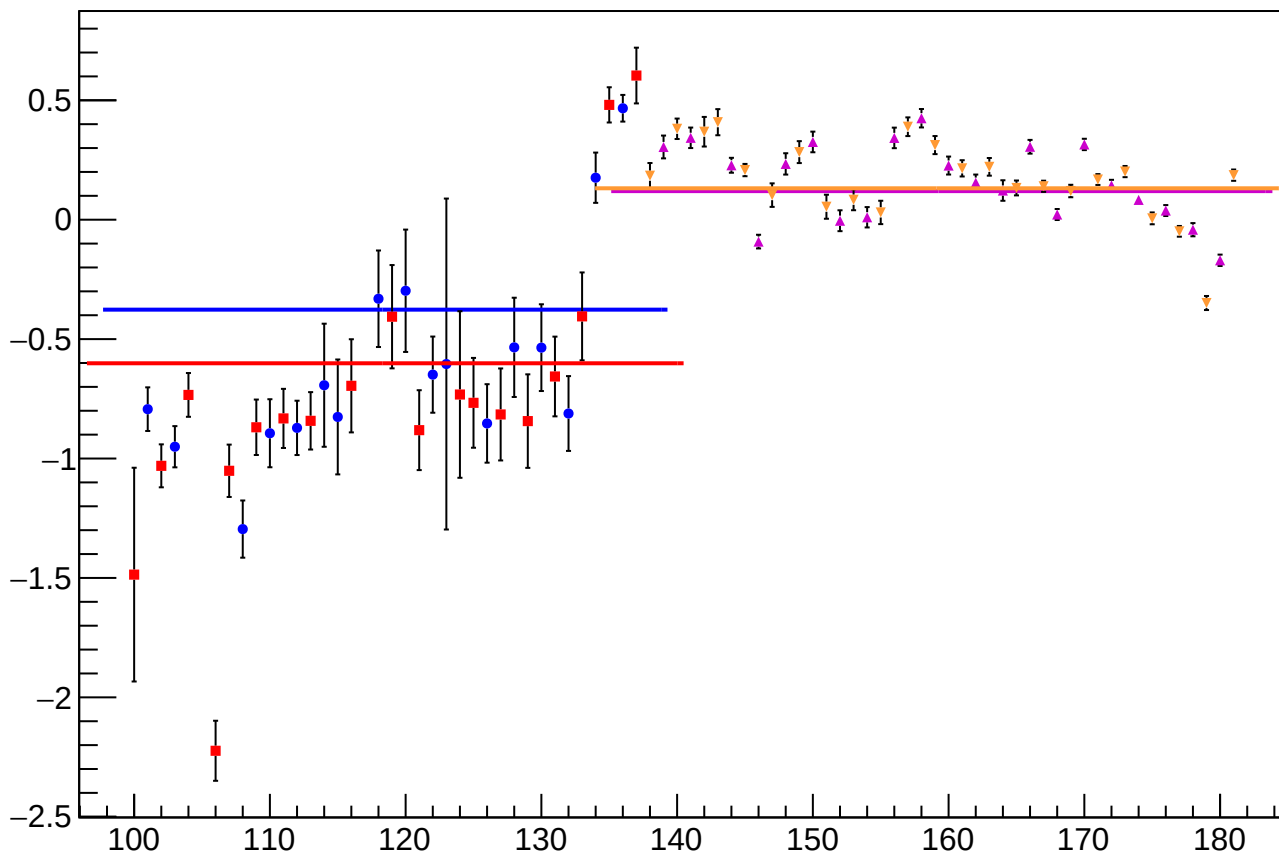
Right: 22.748 $\pm$ 0.399 χ^2 /NDF: 832.1/35

In: 21.805 $\pm$ 0.140 χ^2 /NDF:2354.1/37

Out: 21.223 $\pm$ 0.140 χ^2 /NDF:2992.5/41

All: 21.514 $\pm$ 0.099 χ^2 /NDF: 5355.3/79

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.377 ± 0.030 χ^2/NDF : 437.1/16

Left Out: 0.132 ± 0.007 χ^2/NDF : 555.1/22

Right Out: -0.601 ± 0.030 χ^2/NDF : 555.6/18

Left In: 0.120 ± 0.007 χ^2/NDF : 577.7/20

Left: 0.126 ± 0.005 χ^2/NDF : 1134.4/43

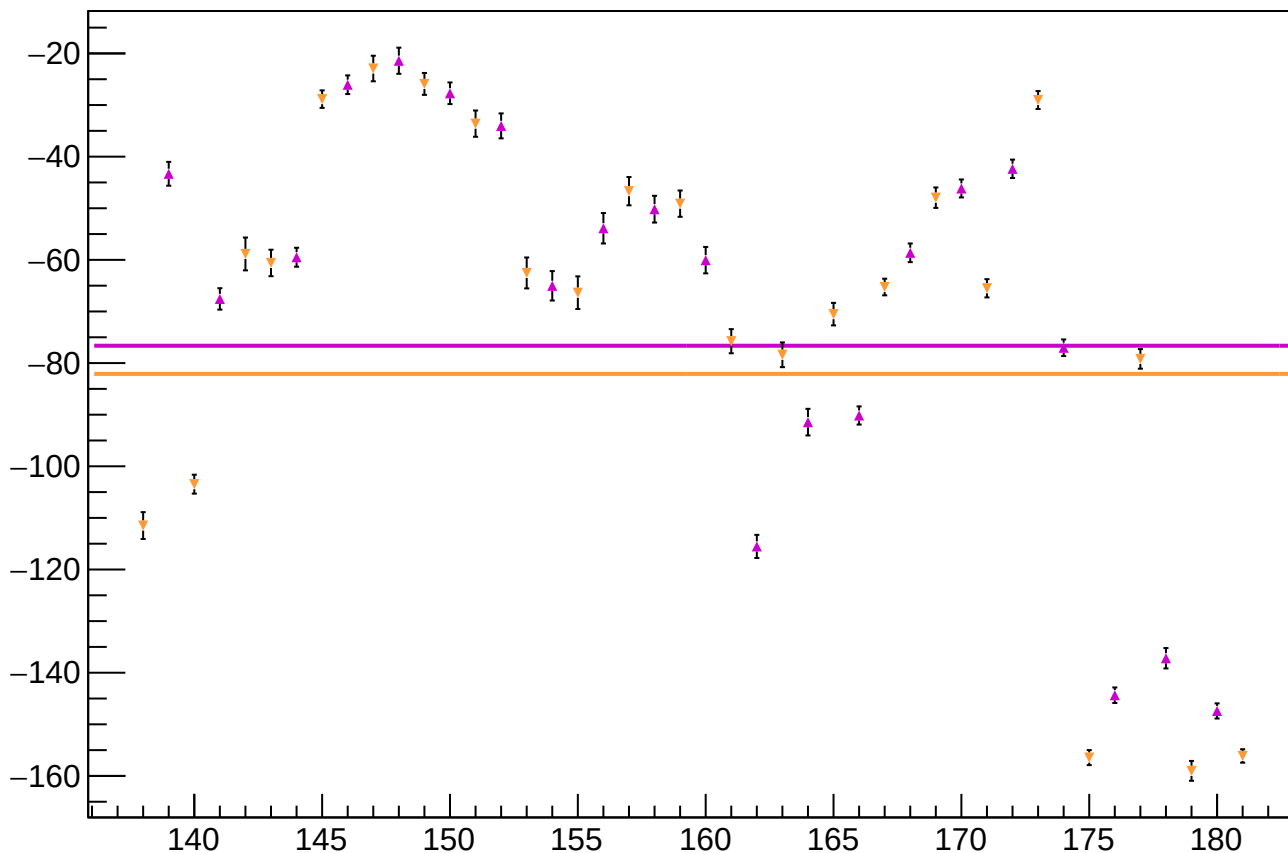
Right: -0.489 ± 0.021 χ^2/NDF : 1020.5/35

In: 0.097 ± 0.006 χ^2/NDF : 1274.6/37

Out: 0.098 ± 0.006 χ^2/NDF : 1673.2/41

All: 0.097 ± 0.005 χ^2/NDF : 2947.8/79

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -82.096+/-0.424 χ^2/NDF :12325.1/22

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

Left In: -76.638+/-0.435 χ^2/NDF :9106.0/20

Left: -79.434+/-0.304 χ^2/NDF : 21511.7/43

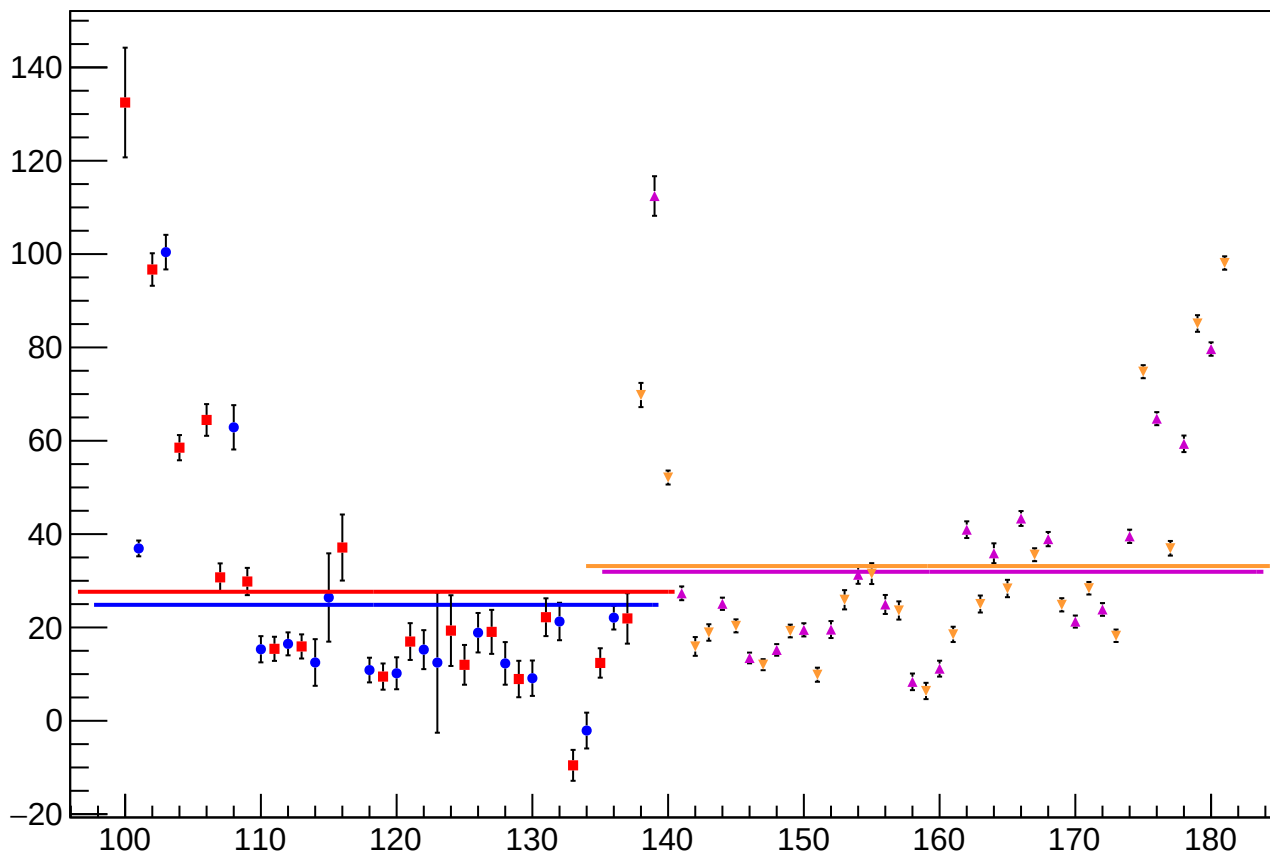
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -76.638+/-0.435 χ^2/NDF :9106.0/20

Out: -82.096+/-0.424 χ^2/NDF :12325.1/22

All: -79.434+/-0.304 χ^2/NDF : 21511.7/43

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: 33.158 $\pm$ 0.330 χ^2 /NDF:5584.6/22

Right Out: 27.648 $\pm$ 0.810 χ^2 /NDF: 1009.2/18

Left In: 31.927 $\pm$ 0.338 χ^2 /NDF:3416.6/20

Left: 32.558 $\pm$ 0.236 χ^2 /NDF: 9008.0/43

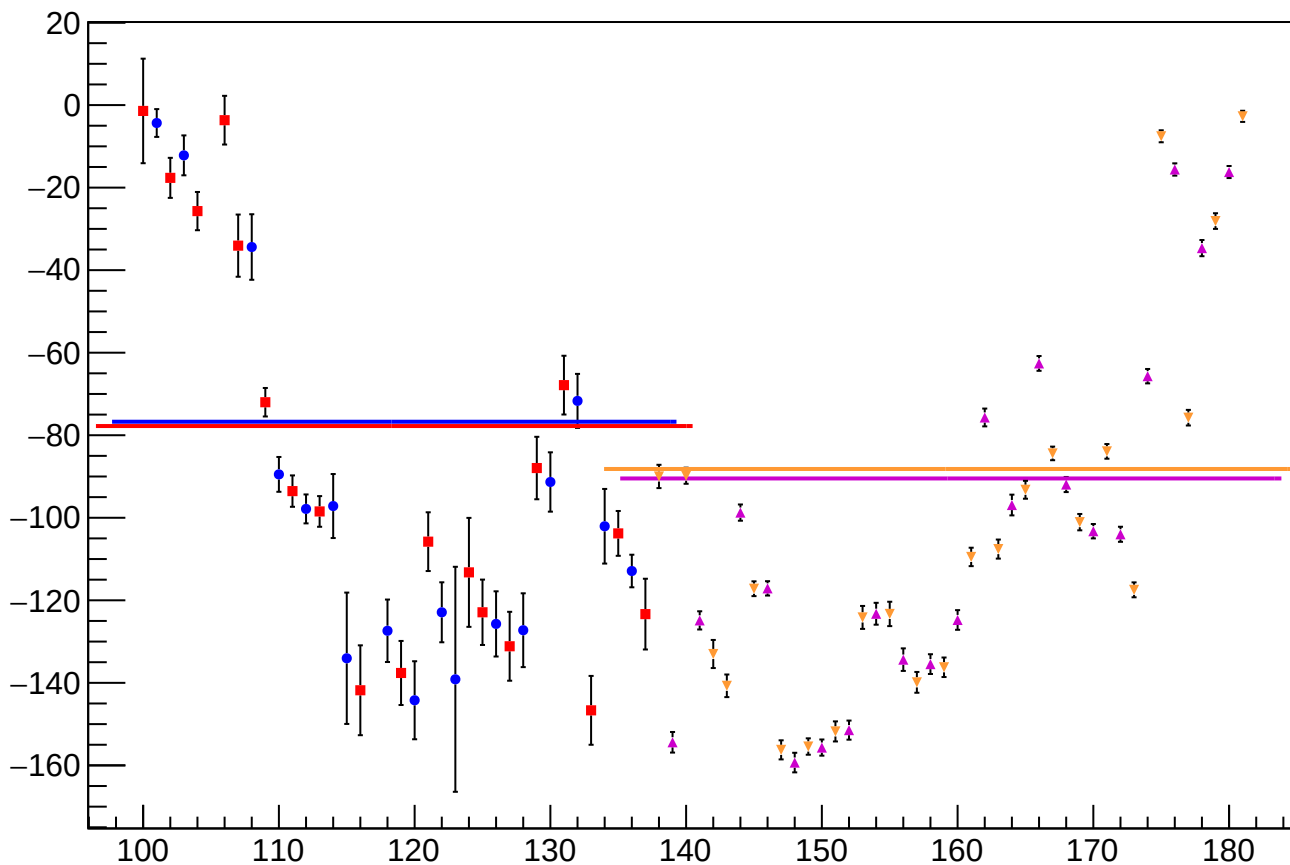
Right: 26.231 $\pm$ 0.570 χ^2 /NDF: 1706.0/35

In: 30.856 $\pm$ 0.311 χ^2 /NDF:4173.7/37

Out: 32.375 $\pm$ 0.305 χ^2 /NDF:6633.5/41

All: 31.630 $\pm$ 0.218 χ^2 /NDF: 10819.3/79

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.728 ± 1.412 χ^2/NDF : 1042.0/16

Left Out: -88.177 ± 0.425 χ^2/NDF : 13234.0/22

Right Out: -77.773 ± 1.352 χ^2/NDF : 871.8/18

Left In: -90.476 ± 0.433 χ^2/NDF : 11290.7/20

Left: -89.305 ± 0.304 χ^2/NDF : 24539.0/43

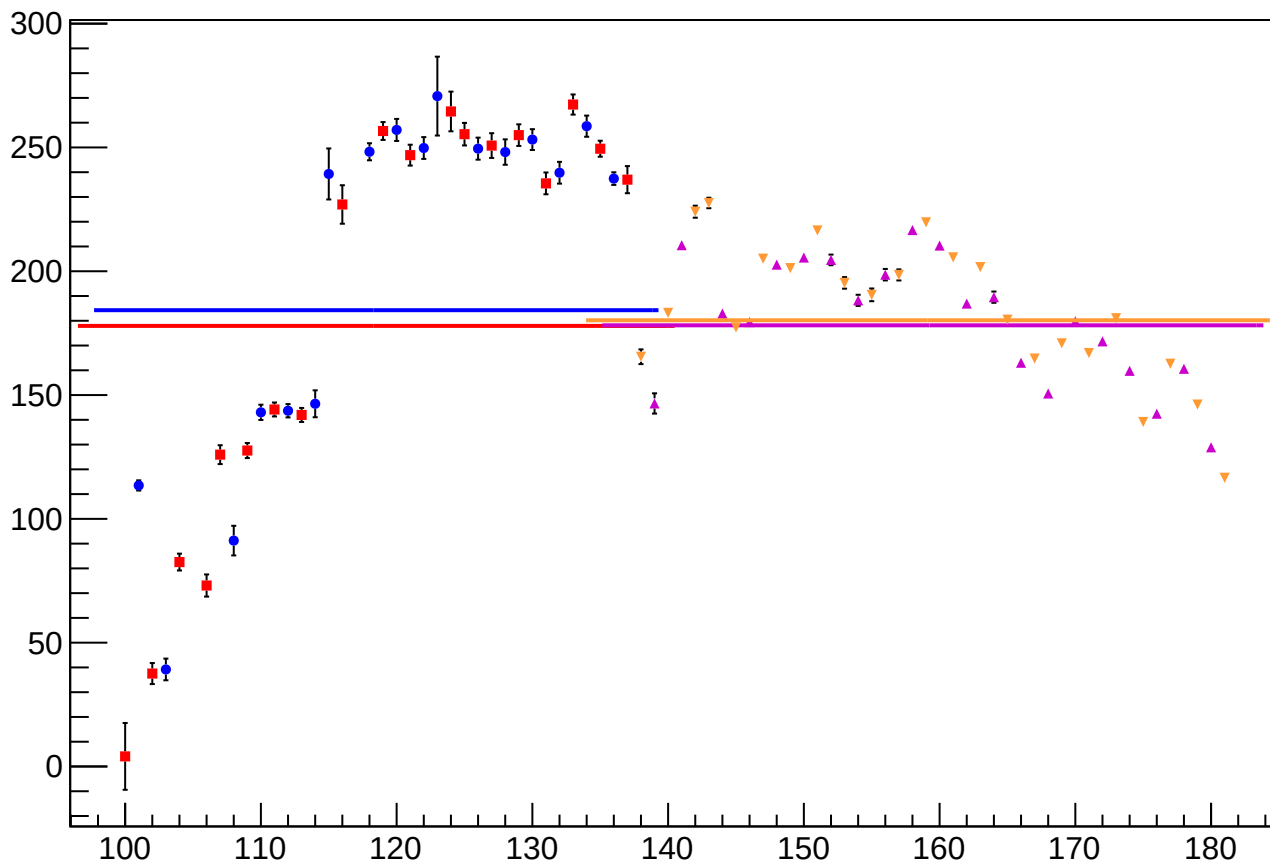
Right: -77.273 ± 0.977 χ^2/NDF : 1914.1/35

In: -89.293 ± 0.414 χ^2/NDF : 12419.3/37

Out: -87.241 ± 0.406 χ^2/NDF : 14159.7/41

All: -88.245 ± 0.290 χ^2/NDF : 26591.6/79

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: 180.199 $\pm$ 0.374 χ^2 /NDF:5652.3/22

Right Out: 177.930 $\pm$ 0.924 χ^2 /NDF: 6330.9/18

Left In: 178.162 $\pm$ 0.382 χ^2 /NDF:4076.9/20

Left: 179.203 $\pm$ 0.267 χ^2 /NDF: 9743.7/43

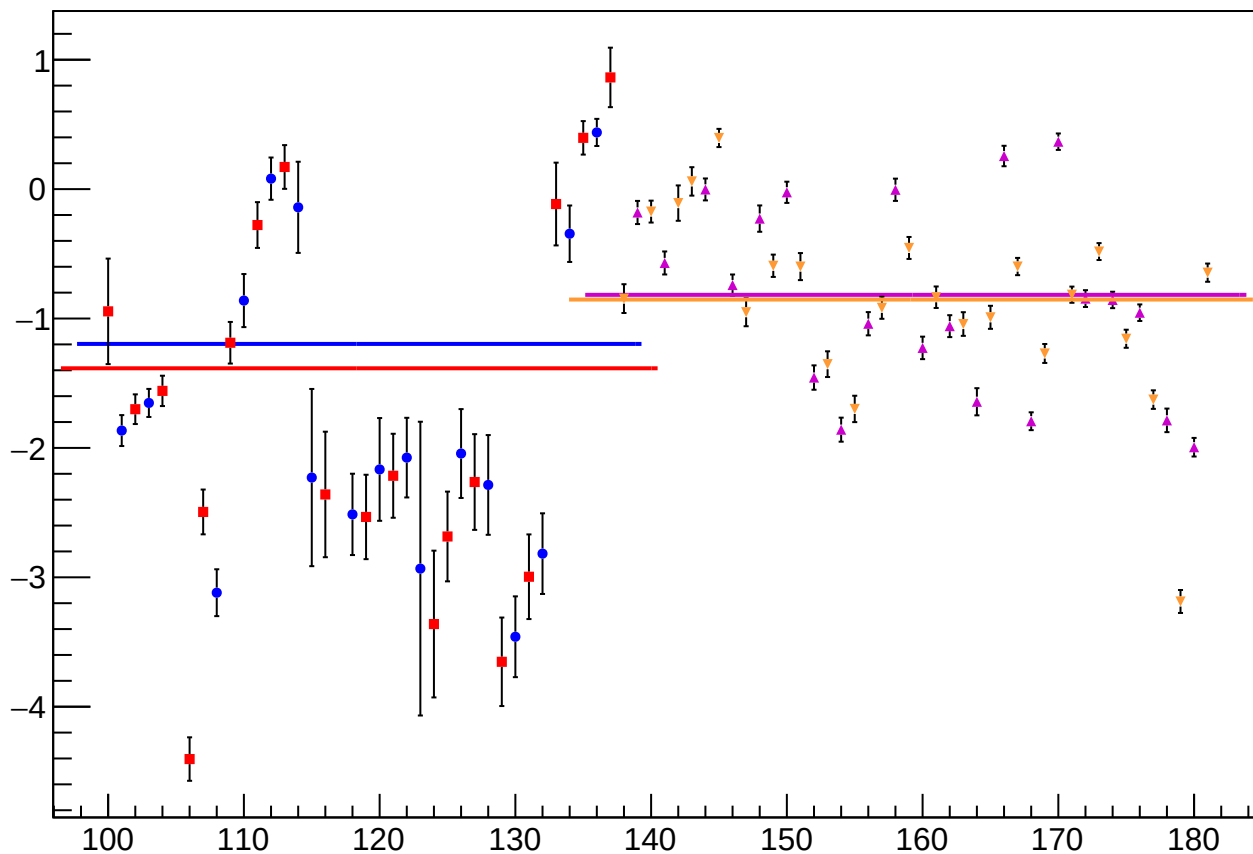
Right: 181.136 $\pm$ 0.650 χ^2 /NDF: 11755.7/35

In: 179.071 $\pm$ 0.353 χ^2 /NDF:9516.0/37

Out: 179.880 $\pm$ 0.347 χ^2 /NDF:11988.4/41

All: 179.483 $\pm$ 0.247 χ^2 /NDF: 21507.1/79

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.196 ± 0.048 χ^2/NDF : 623.1/16

Left Out: -0.853 ± 0.017 χ^2/NDF : 1532.7/22

Right Out: -1.385 ± 0.046 χ^2/NDF : 924.4/18

Left In: -0.817 ± 0.017 χ^2/NDF : 1757.3/20

Left: -0.835 ± 0.012 χ^2/NDF : 3292.3/43

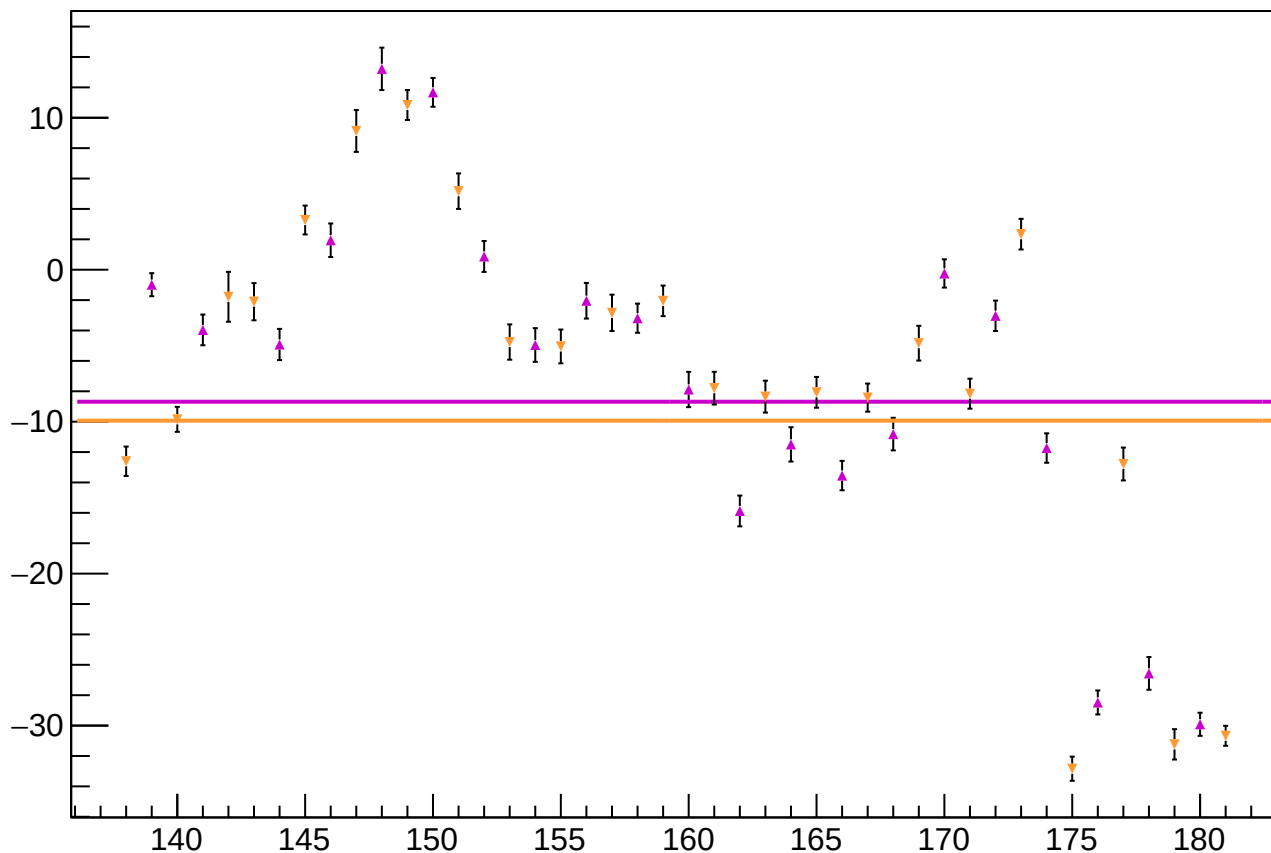
Right: -1.295 ± 0.033 χ^2/NDF : 1555.6/35

In: -0.861 ± 0.016 χ^2/NDF : 2435.4/37

Out: -0.919 ± 0.016 χ^2/NDF : 2575.2/41

All: -0.891 ± 0.011 χ^2/NDF : 5017.1/79

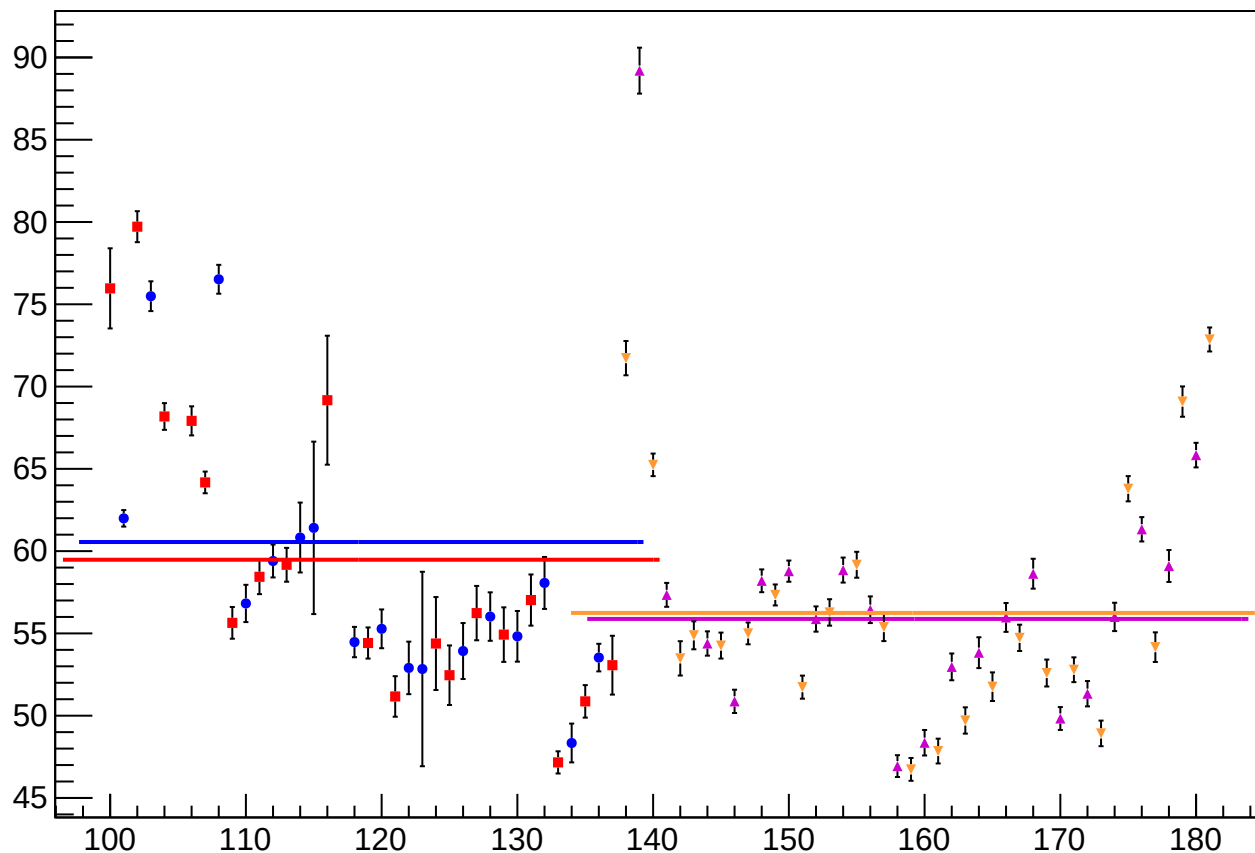
reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -9.934+/-0.210 χ^2/NDF :3676.2/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -8.687+/-0.215 χ^2/NDF :2997.6/20

Left: -9.326+/-0.150 χ^2/NDF : 6690.9/43
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -8.687+/-0.215 χ^2/NDF :2997.6/20
 Out: -9.934+/-0.210 χ^2/NDF :3676.2/22
 All: -9.326+/-0.150 χ^2/NDF : 6690.9/43

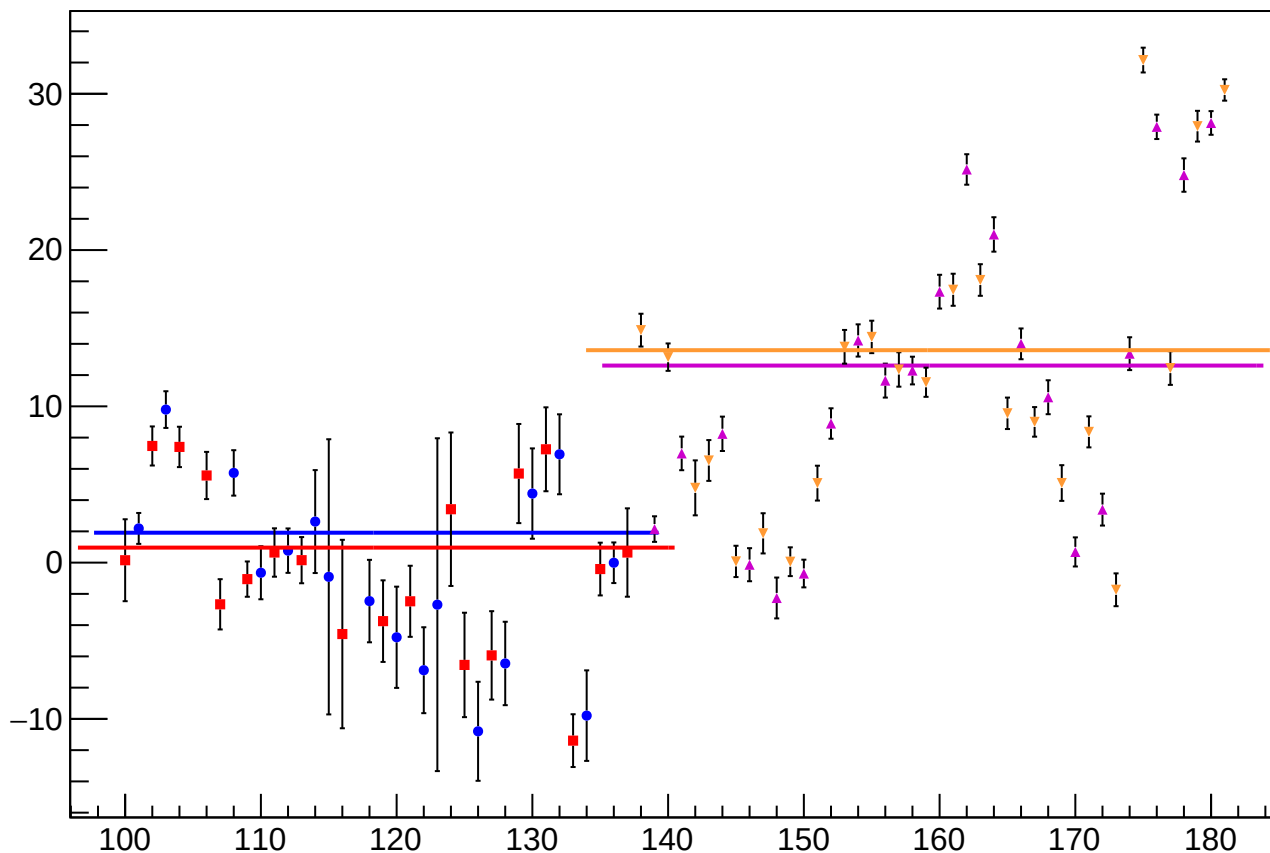
reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 60.554 $\pm$ 0.262 χ^2 /NDF: 930.8/16
 Left Out: 56.245 $\pm$ 0.163 χ^2 /NDF:1827.2/22
 Right Out: 59.477 $\pm$ 0.248 χ^2 /NDF: 1317.0/18
 Left In: 55.879 $\pm$ 0.170 χ^2 /NDF:1331.7/20

Left: 56.069 $\pm$ 0.118 χ^2 /NDF: 3161.3/43
 Right: 59.987 $\pm$ 0.180 χ^2 /NDF: 2256.7/35
 In: 57.268 $\pm$ 0.143 χ^2 /NDF:2487.0/37
 Out: 57.224 $\pm$ 0.136 χ^2 /NDF:3262.7/41
 All: 57.245 $\pm$ 0.099 χ^2 /NDF: 5749.7/79

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.914 ± 0.458 χ^2/NDF : 121.6/16

Left Out: 13.593 ± 0.209 χ^2/NDF : 2325.6/22

Right Out: 0.960 ± 0.424 χ^2/NDF : 149.5/18

Left In: 12.609 ± 0.214 χ^2/NDF : 2151.3/20

Left: 13.111 ± 0.149 χ^2/NDF : 4487.7/43

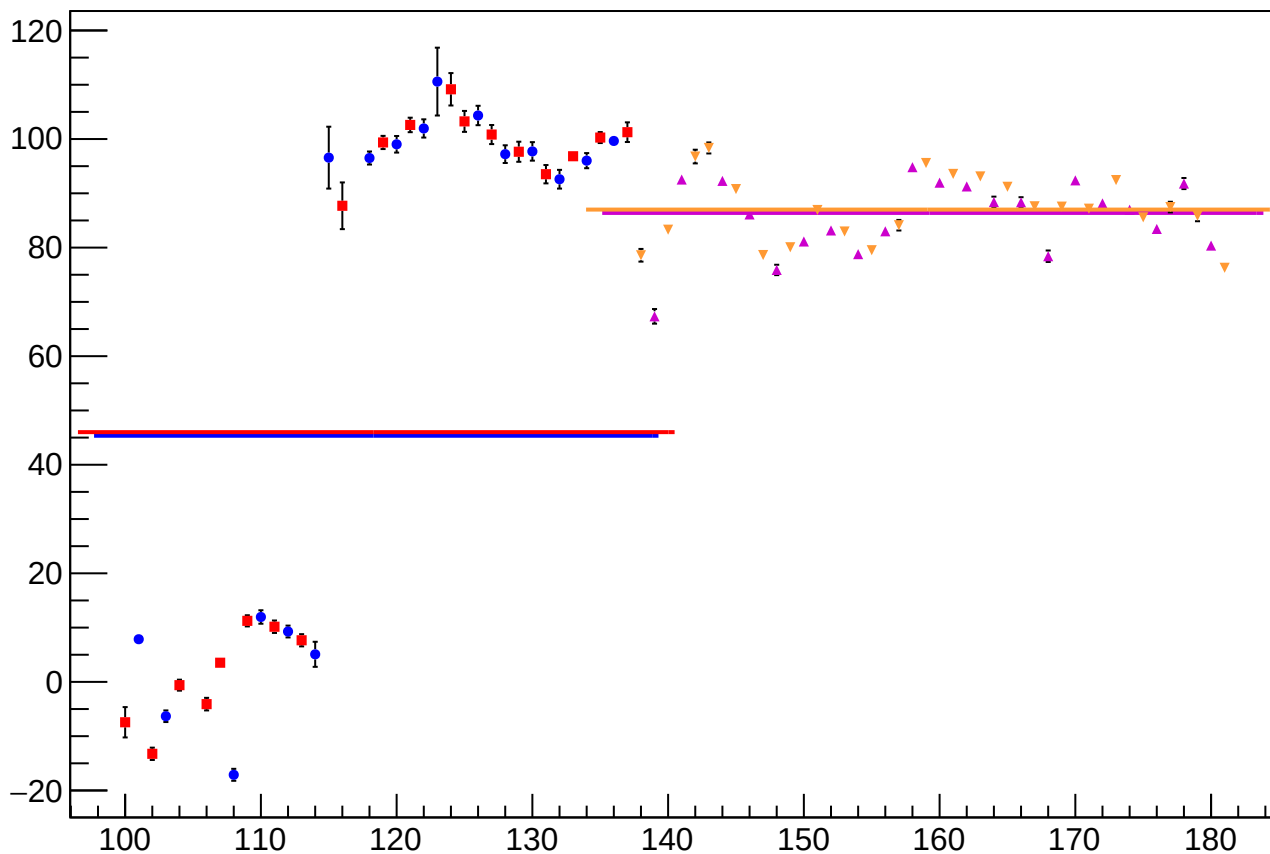
Right: 1.401 ± 0.311 χ^2/NDF : 273.4/35

In: 10.698 ± 0.193 χ^2/NDF : 2721.3/37

Out: 11.118 ± 0.188 χ^2/NDF : 3188.2/41

All: 10.915 ± 0.135 χ^2/NDF : 5911.9/79

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 45.344 $\pm$ 0.303 χ^2 /NDF: 25071.0/16

Left Out: 87.004 $\pm$ 0.185 χ^2 /NDF:1055.7/22

Right Out: 46.007 $\pm$ 0.289 χ^2 /NDF: 28219.9/18

Left In: 86.388 $\pm$ 0.191 χ^2 /NDF:1023.2/20

Left: 86.706 $\pm$ 0.133 χ^2 /NDF: 2084.3/43

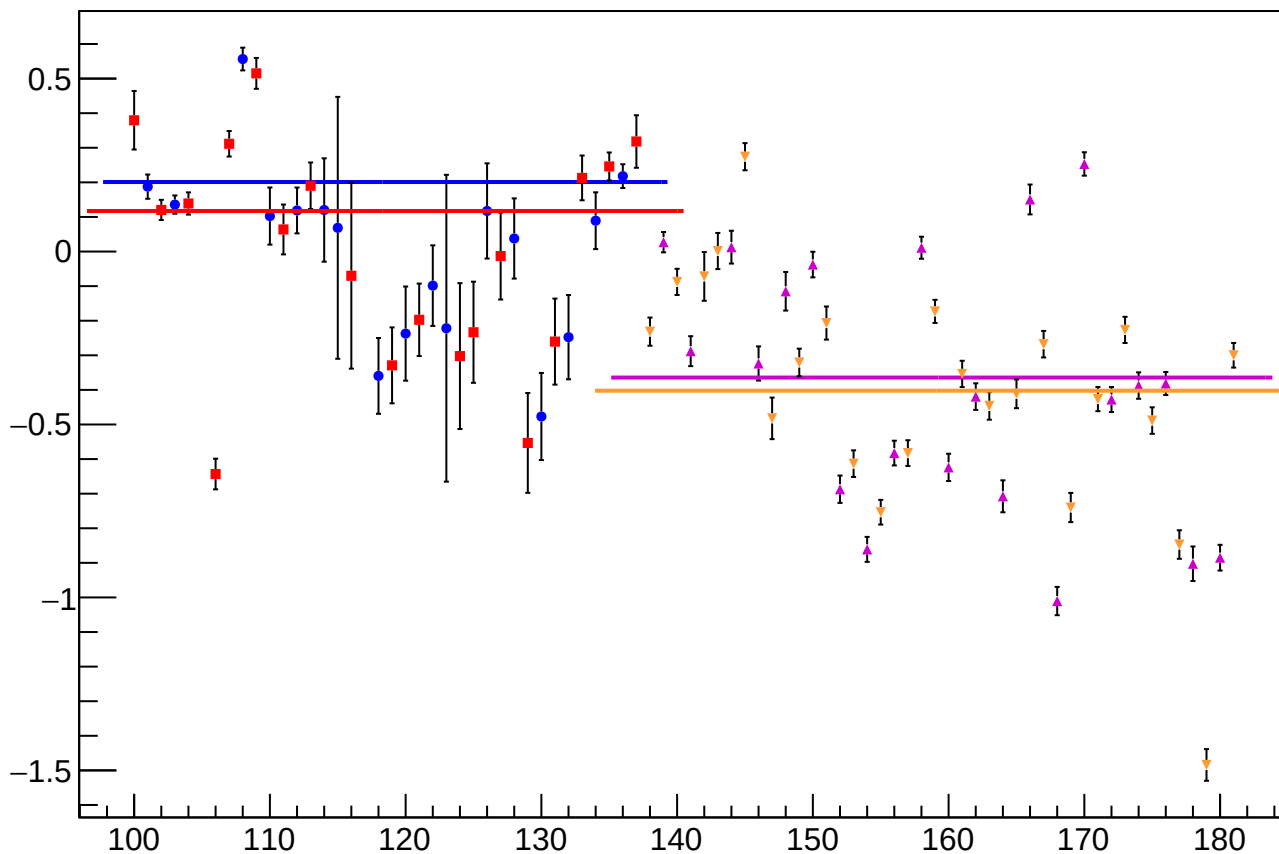
Right: 45.691 $\pm$ 0.209 χ^2 /NDF: 53293.4/35

In: 74.756 $\pm$ 0.161 χ^2 /NDF:39222.8/37

Out: 75.140 $\pm$ 0.156 χ^2 /NDF:43529.9/41

All: 74.955 $\pm$ 0.112 χ^2 /NDF: 82755.6/79

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 ± 0.014 χ^2/NDF : 217.8/16

Left Out: -0.402 ± 0.008 χ^2/NDF : 1473.4/22

Right Out: 0.117 ± 0.013 χ^2/NDF : 500.1/18

Left In: -0.364 ± 0.008 χ^2/NDF : 1915.1/20

Left: -0.383 ± 0.006 χ^2/NDF : 3398.6/43

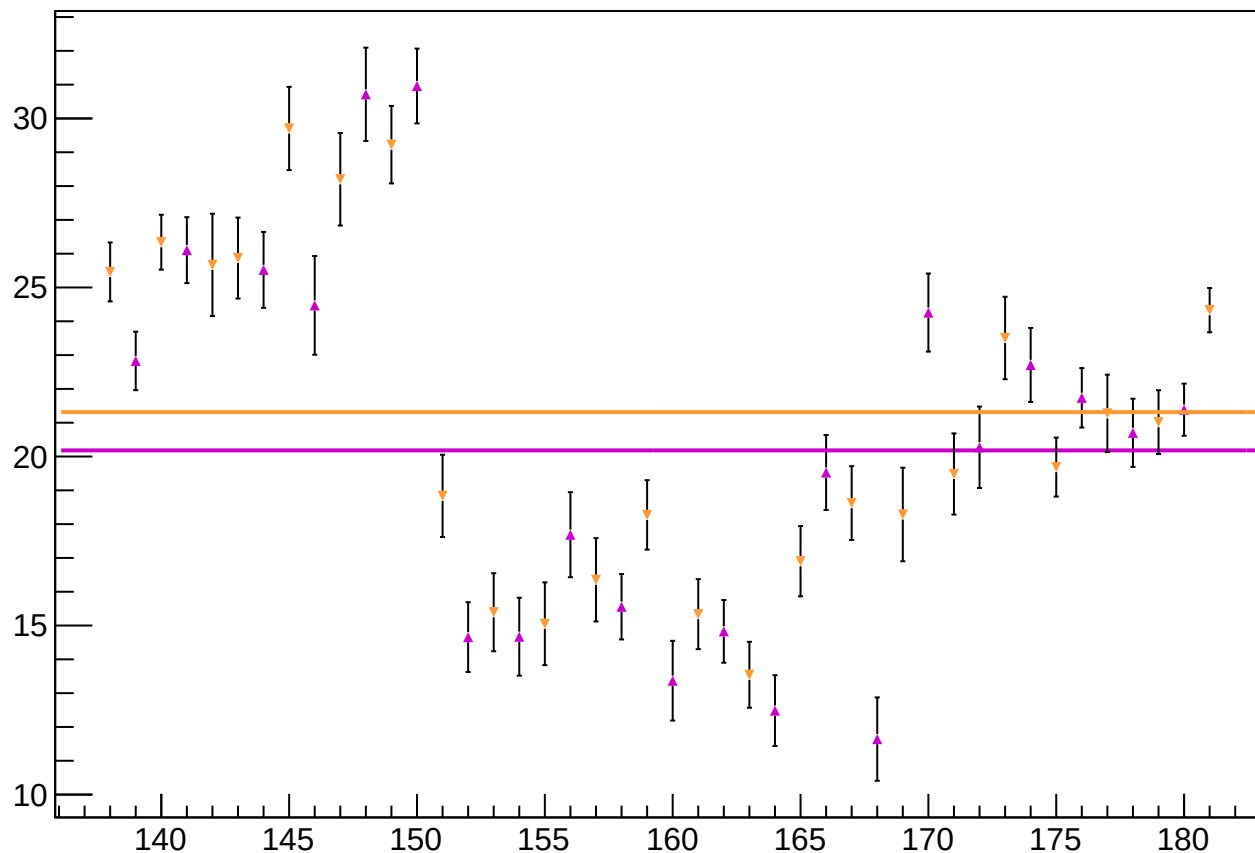
Right: 0.156 ± 0.010 χ^2/NDF : 737.1/35

In: -0.214 ± 0.007 χ^2/NDF : 3324.8/37

Out: -0.249 ± 0.007 χ^2/NDF : 3096.8/41

All: -0.232 ± 0.005 χ^2/NDF : 6433.5/79

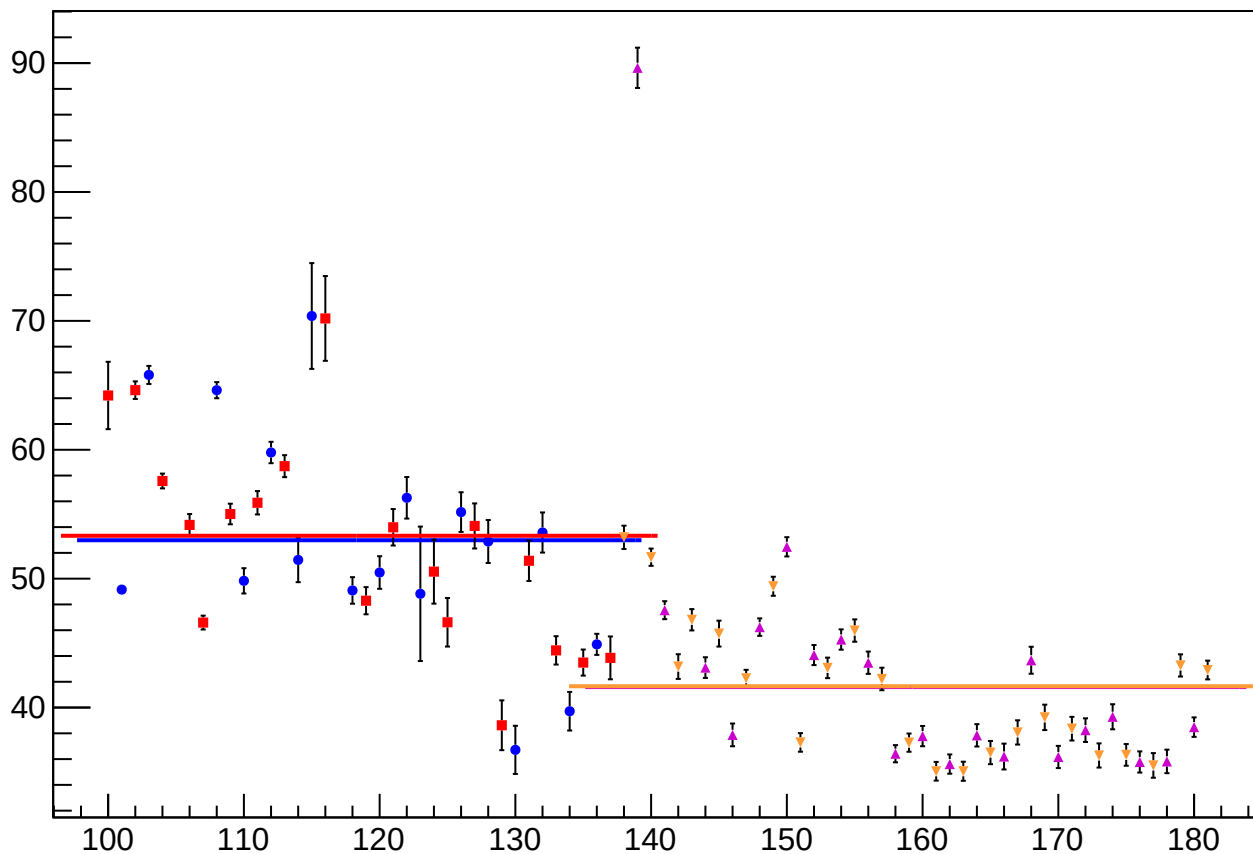
reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 21.314 $\pm$ 0.219 χ^2 /NDF:440.7/22
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 20.181 $\pm$ 0.230 χ^2 /NDF:501.5/20

Left: 20.775 $\pm$ 0.159 χ^2 /NDF: 954.9/43
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 20.181 $\pm$ 0.230 χ^2 /NDF:501.5/20
 Out: 21.314 $\pm$ 0.219 χ^2 /NDF:440.7/22
 All: 20.775 $\pm$ 0.159 χ^2 /NDF: 954.9/43

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: 41.653 $\pm$ 0.170 χ^2 /NDF:1007.3/22

Right Out: 53.328 $\pm$ 0.227 χ^2 /NDF: 872.7/18

Left In: 41.589 $\pm$ 0.180 χ^2 /NDF:1698.6/20

Left: 41.623 $\pm$ 0.124 χ^2 /NDF: 2706.0/43

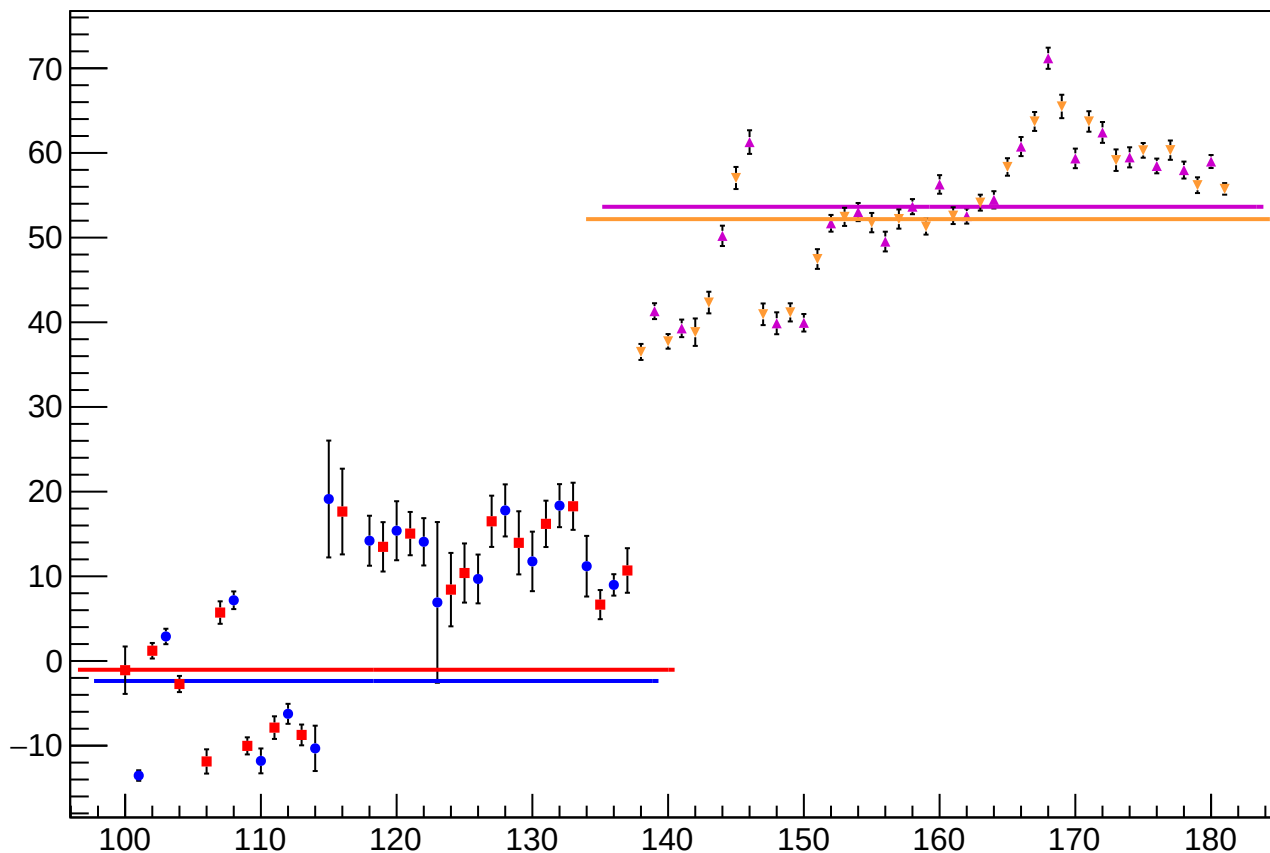
Right: 53.141 $\pm$ 0.154 χ^2 /NDF: 2071.7/35

In: 46.417 $\pm$ 0.137 χ^2 /NDF:4589.3/37

Out: 45.866 $\pm$ 0.136 χ^2 /NDF:3575.3/41

All: 46.140 $\pm$ 0.097 χ^2 /NDF: 8172.8/79

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.361 ± 0.364 χ^2/NDF : 840.8/16

Left Out: 52.182 ± 0.219 χ^2/NDF : 1439.8/22

Right Out: -1.035 ± 0.377 χ^2/NDF : 507.7/18

Left In: 53.641 ± 0.228 χ^2/NDF : 1150.9/20

Left: 52.883 ± 0.158 χ^2/NDF : 2612.0/43

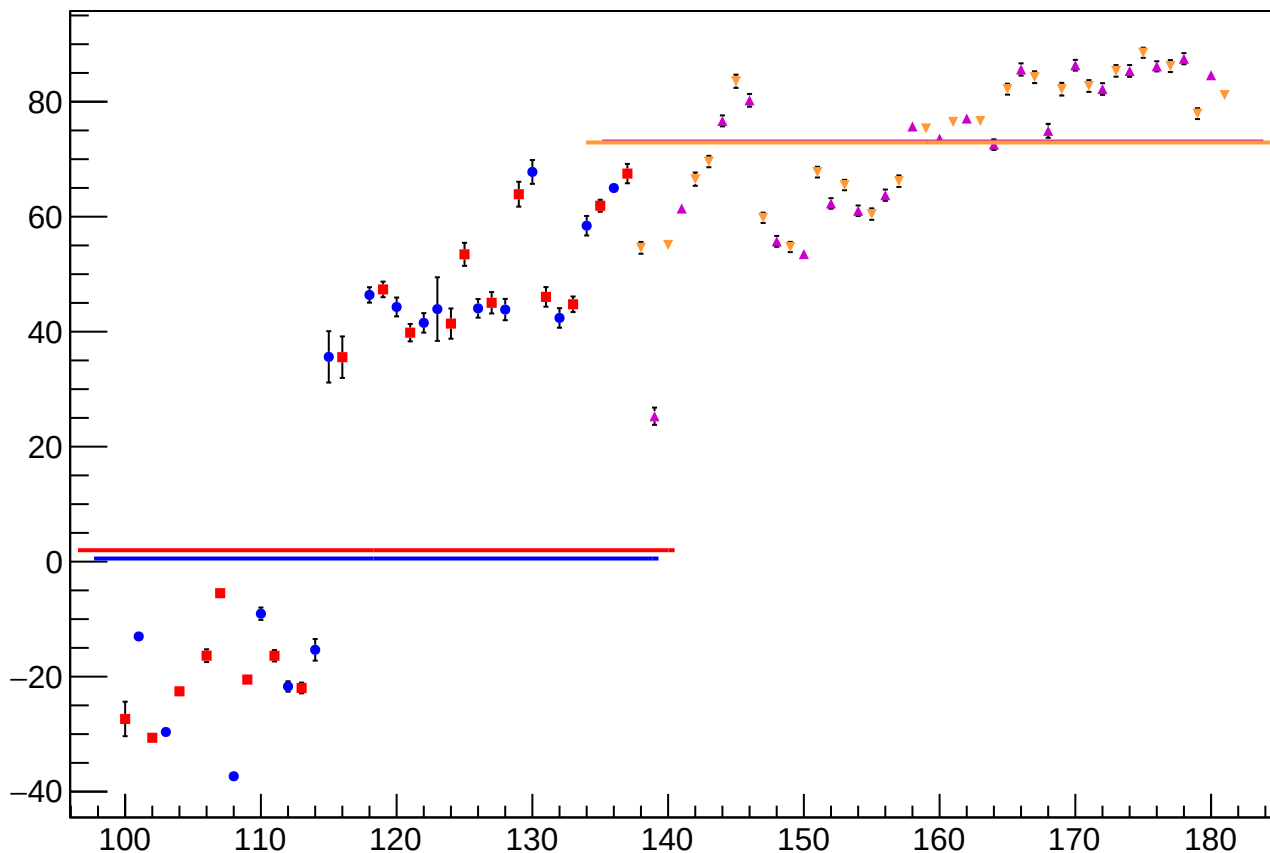
Right: -1.721 ± 0.262 χ^2/NDF : 1355.0/35

In: 37.885 ± 0.193 χ^2/NDF : 19019.8/37

Out: 38.768 ± 0.189 χ^2/NDF : 16858.3/41

All: 38.336 ± 0.135 χ^2/NDF : 35888.8/79

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.541+/-0.247 χ^2/NDF : 18423.8/16

Left Out: 72.905+/-0.193 χ^2/NDF :3067.0/22

Right Out: 1.990+/-0.267 χ^2/NDF : 15476.7/18

Left In: 73.067+/-0.202 χ^2/NDF :3765.8/20

Left: 72.982+/-0.140 χ^2/NDF : 6833.1/43

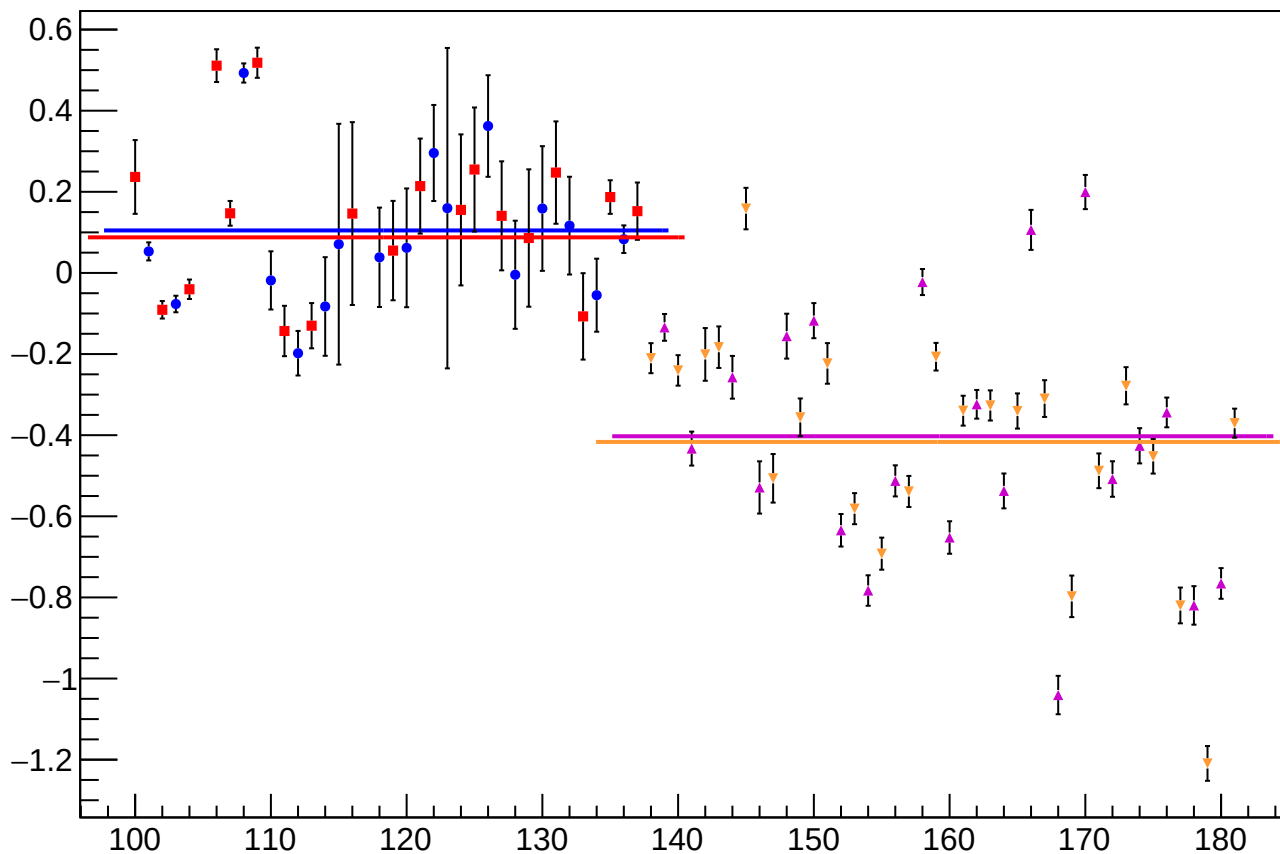
Right: 1.210+/-0.181 χ^2/NDF : 33916.4/35

In: 43.907+/-0.156 χ^2/NDF :73864.4/37

Out: 48.493+/-0.156 χ^2/NDF :64970.2/41

All: 46.201+/-0.111 χ^2/NDF : 139264.5/79

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: -0.417 ± 0.009 $\chi^2/\text{NDF}: 859.7/22$

Right Out: 0.088 ± 0.011 $\chi^2/\text{NDF}: 391.0/18$

Left In: -0.403 ± 0.009 $\chi^2/\text{NDF}: 1149.1/20$

Left: -0.410 ± 0.006 $\chi^2/\text{NDF}: 2010.0/43$

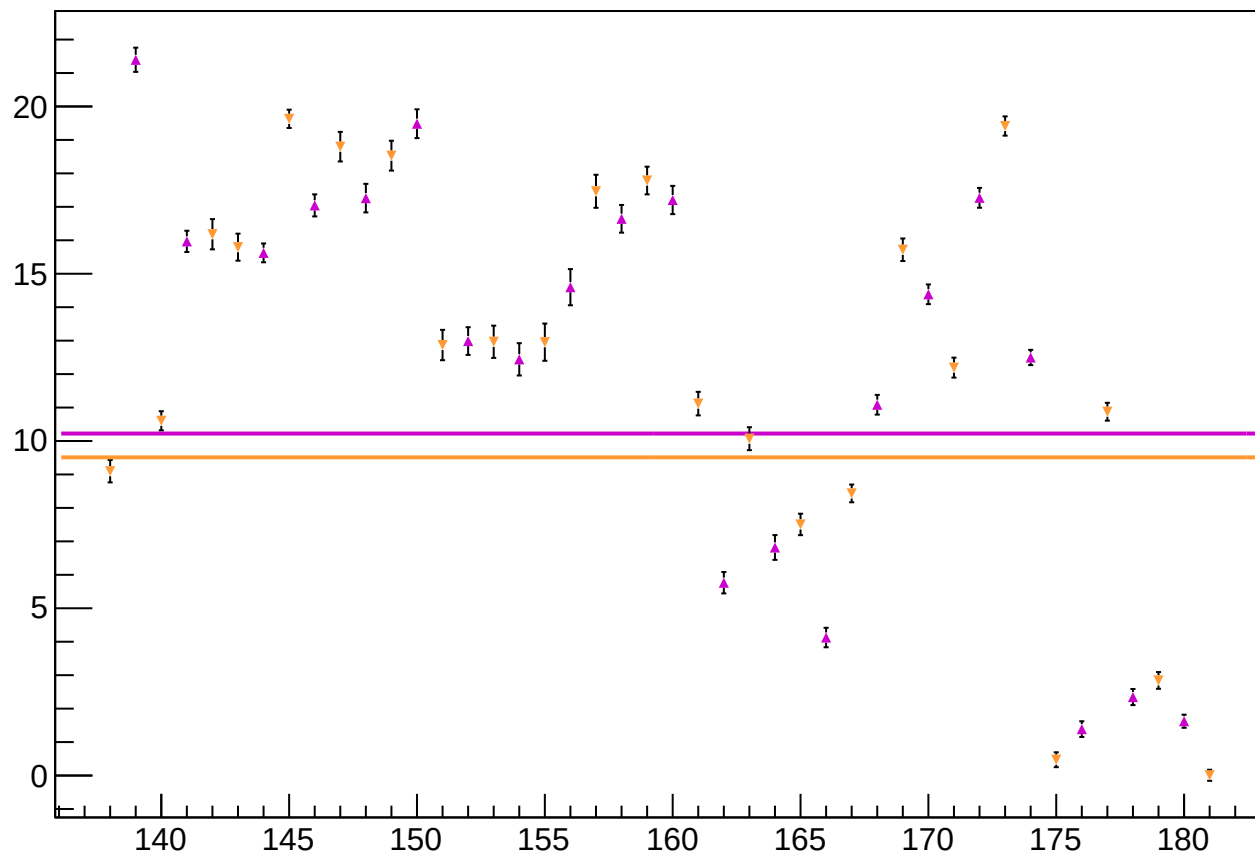
Right: 0.096 ± 0.008 $\chi^2/\text{NDF}: 792.9/35$

In: -0.199 ± 0.007 $\chi^2/\text{NDF}: 2816.3/37$

Out: -0.218 ± 0.007 $\chi^2/\text{NDF}: 2524.8/41$

All: -0.209 ± 0.005 $\chi^2/\text{NDF}: 5344.8/79$

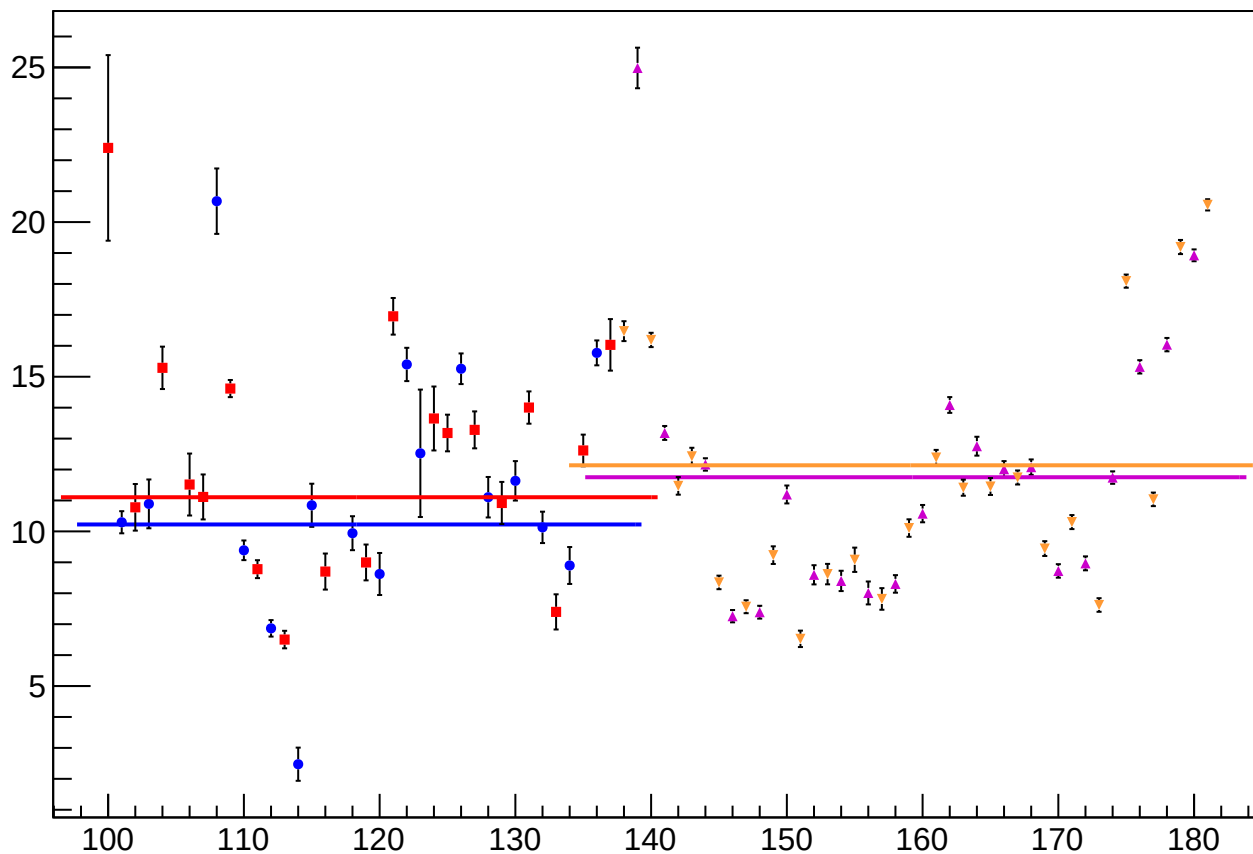
reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 9.512 $\pm$ 0.065 χ^2/NDF :10881.5/22
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 10.223 $\pm$ 0.068 χ^2/NDF :9451.5/20

Left: 9.853 $\pm$ 0.047 χ^2/NDF : 20390.7/43
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 10.223 $\pm$ 0.068 χ^2/NDF :9451.5/20
 Out: 9.512 $\pm$ 0.065 χ^2/NDF :10881.5/22
 All: 9.853 $\pm$ 0.047 χ^2/NDF : 20390.7/43

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.224 ± 0.119 $\chi^2/\text{NDF}: 877.6/16$

Left Out: 12.137 ± 0.052 $\chi^2/\text{NDF}: 6729.1/22$

Right Out: 11.104 ± 0.116 $\chi^2/\text{NDF}: 817.2/18$

Left In: 11.751 ± 0.053 $\chi^2/\text{NDF}: 4392.3/20$

Left: 11.950 ± 0.037 $\chi^2/\text{NDF}: 11148.4/43$

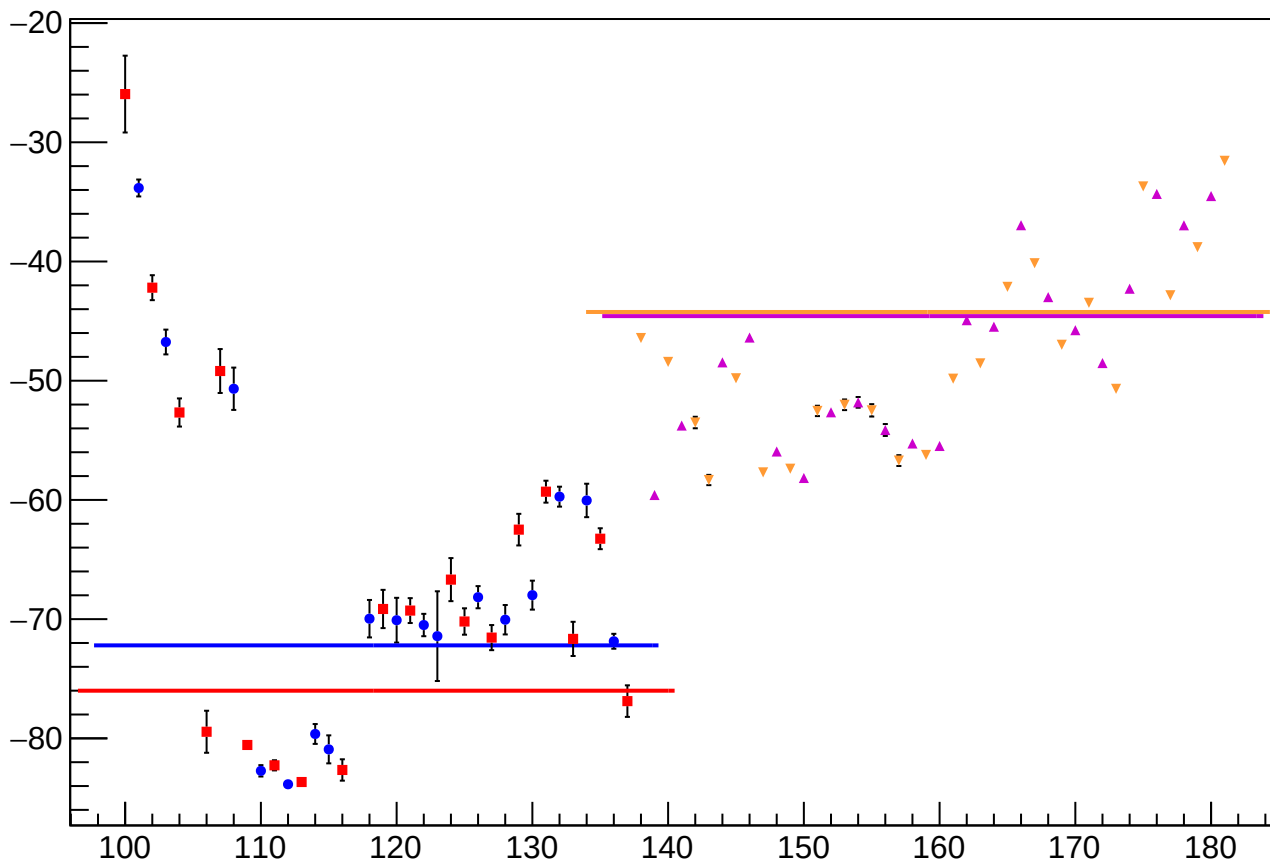
Right: 10.673 ± 0.083 $\chi^2/\text{NDF}: 1722.7/35$

In: 11.495 ± 0.049 $\chi^2/\text{NDF}: 5407.2/37$

Out: 11.967 ± 0.047 $\chi^2/\text{NDF}: 7612.0/41$

All: 11.738 ± 0.034 $\chi^2/\text{NDF}: 13067.5/79$

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.201 ± 0.198 $\chi^2/\text{NDF}: 5566.9/16$

Left Out: -44.235 ± 0.065 $\chi^2/\text{NDF}: 16182.6/22$

Right Out: -76.003 ± 0.181 $\chi^2/\text{NDF}: 3465.4/18$

Left In: -44.582 ± 0.068 $\chi^2/\text{NDF}: 13521.3/20$

Left: -44.402 ± 0.047 $\chi^2/\text{NDF}: 29717.5/43$

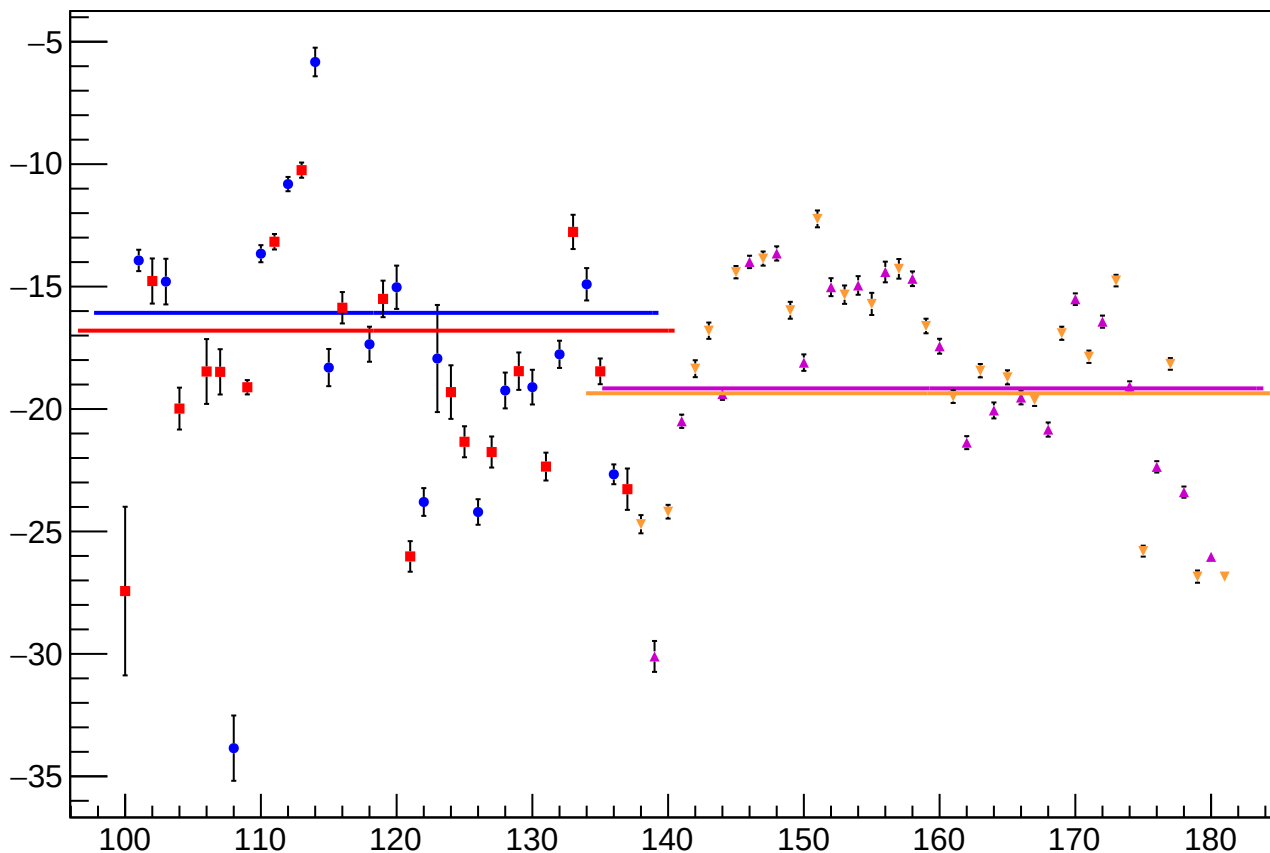
Right: -74.270 ± 0.133 $\chi^2/\text{NDF}: 9233.6/35$

In: -47.470 ± 0.064 $\chi^2/\text{NDF}: 36565.7/37$

Out: -47.901 ± 0.061 $\chi^2/\text{NDF}: 46918.7/41$

All: -47.694 ± 0.044 $\chi^2/\text{NDF}: 83508.0/79$

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: -19.357 ± 0.058 $\chi^2/\text{NDF}: 6009.4/22$

Right Out: -16.799 ± 0.128 $\chi^2/\text{NDF}: 1215.8/18$

Left In: -19.157 ± 0.060 $\chi^2/\text{NDF}: 3885.1/20$

Left: -19.260 ± 0.042 $\chi^2/\text{NDF}: 9900.2/43$

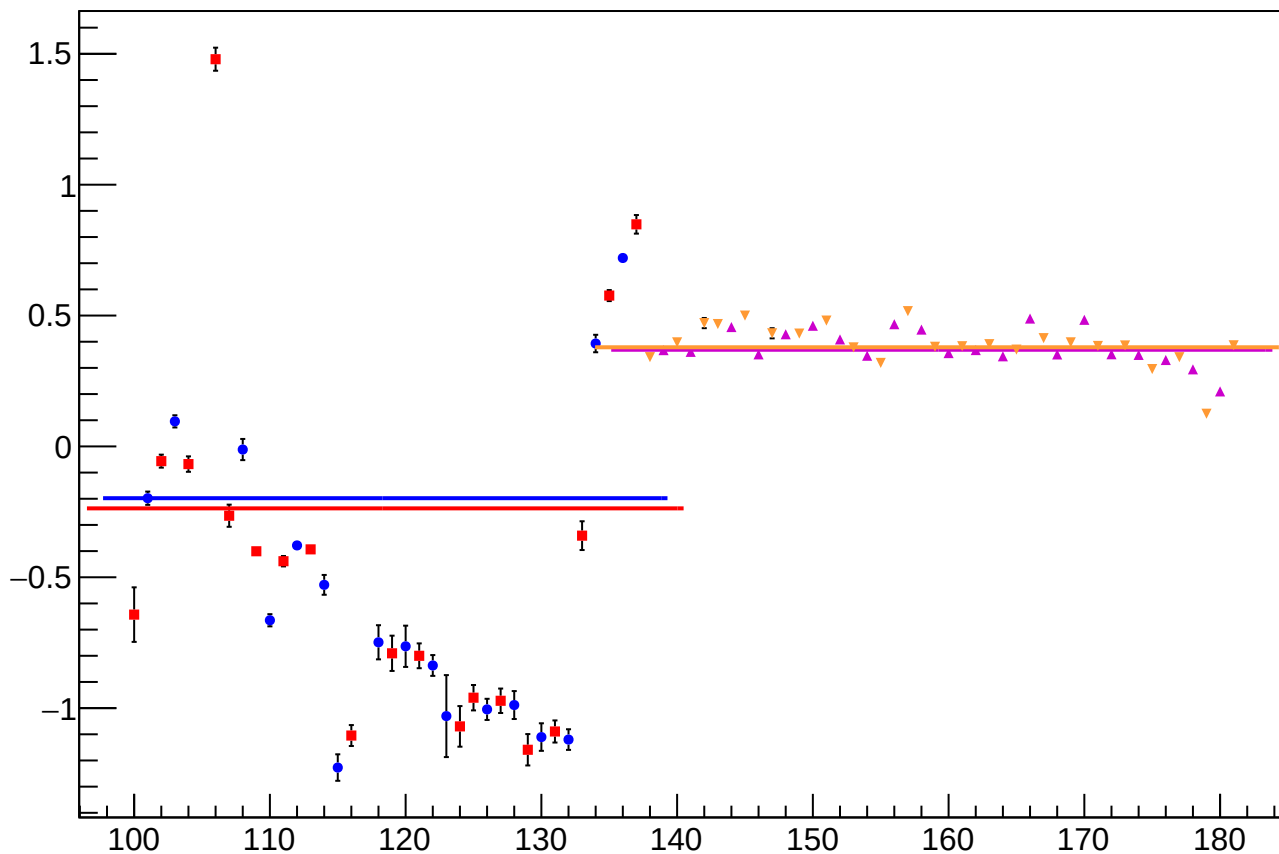
Right: -16.447 ± 0.092 $\chi^2/\text{NDF}: 2872.2/35$

In: -18.630 ± 0.055 $\chi^2/\text{NDF}: 5978.1/37$

Out: -18.918 ± 0.053 $\chi^2/\text{NDF}: 7555.1/41$

All: -18.778 ± 0.038 $\chi^2/\text{NDF}: 13547.6/79$

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.198 ± 0.008 χ^2/NDF : 6338.8/16

Left Out: 0.379 ± 0.003 χ^2/NDF : 891.8/22

Right Out: -0.237 ± 0.007 χ^2/NDF : 6221.9/18

Left In: 0.369 ± 0.003 χ^2/NDF : 706.0/20

Left: 0.374 ± 0.002 χ^2/NDF : 1603.9/43

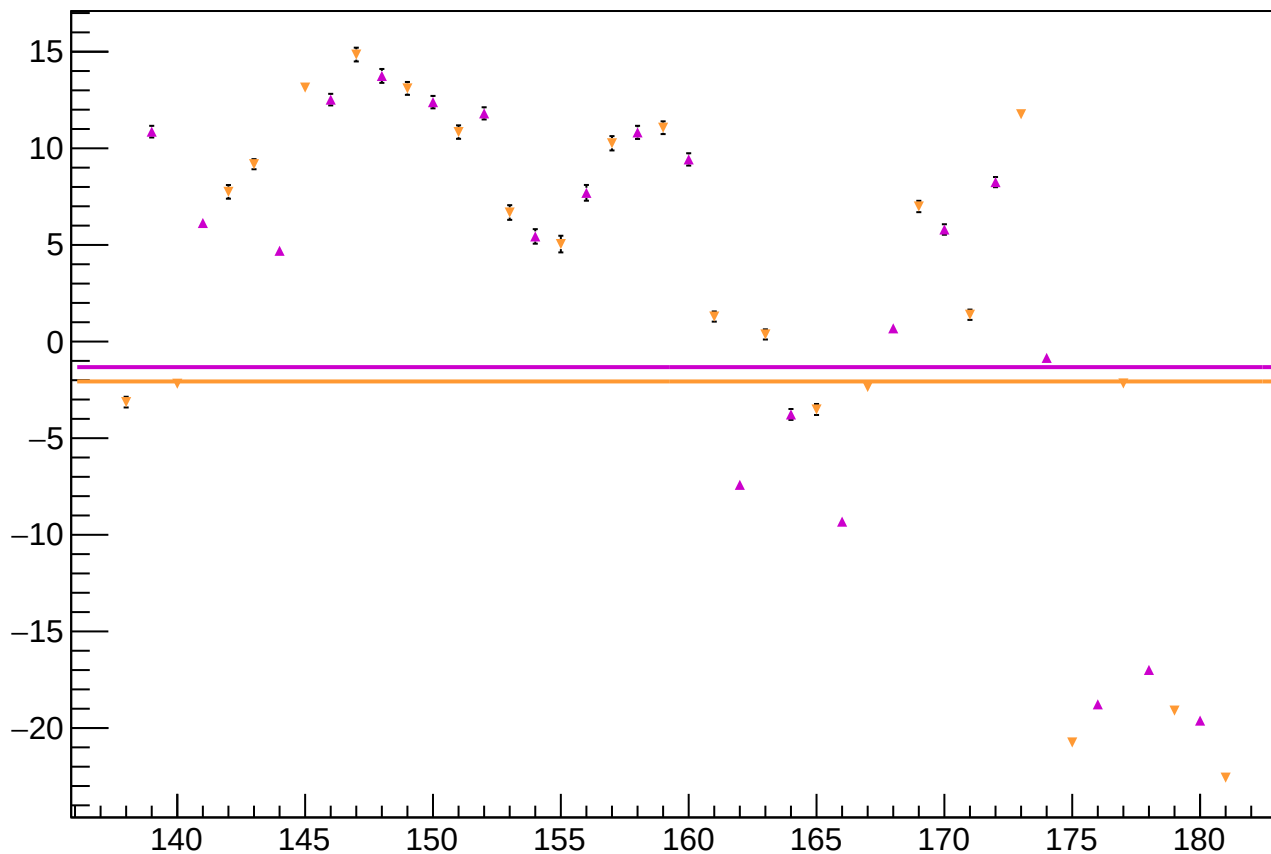
Right: -0.218 ± 0.005 χ^2/NDF : 12574.6/35

In: 0.303 ± 0.003 χ^2/NDF : 12046.4/37

Out: 0.303 ± 0.003 χ^2/NDF : 13570.7/41

All: 0.303 ± 0.002 χ^2/NDF : 25617.1/79

reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.064+/-0.055 χ^2/NDF : 50134.8/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.323+/-0.058 χ^2/NDF : 39007.8/20

Left: -1.709+/-0.040 χ^2/NDF : 89228.5/43

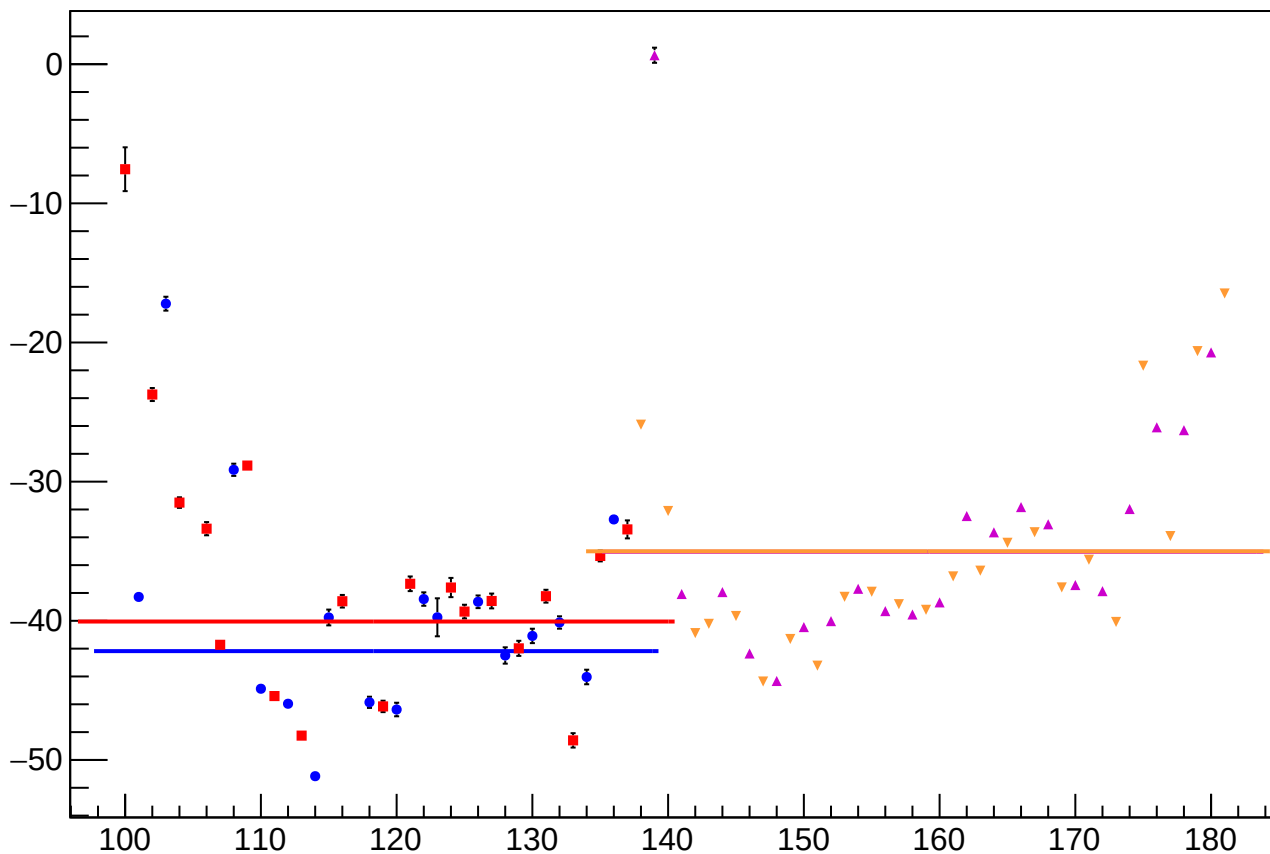
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1.323+/-0.058 χ^2/NDF : 39007.8/20

Out: -2.064+/-0.055 χ^2/NDF : 50134.8/22

All: -1.709+/-0.040 χ^2/NDF : 89228.5/43

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.179 $\pm$ 0.078 χ^2/NDF : 6573.8/16

Left Out: -35.005 $\pm$ 0.043 χ^2/NDF : 31095.1/22

Right Out: -40.052 $\pm$ 0.073 χ^2/NDF : 11313.5/18

Left In: -35.038 $\pm$ 0.045 χ^2/NDF : 22635.6/20

Left: -35.021 $\pm$ 0.031 χ^2/NDF : 53731.0/43

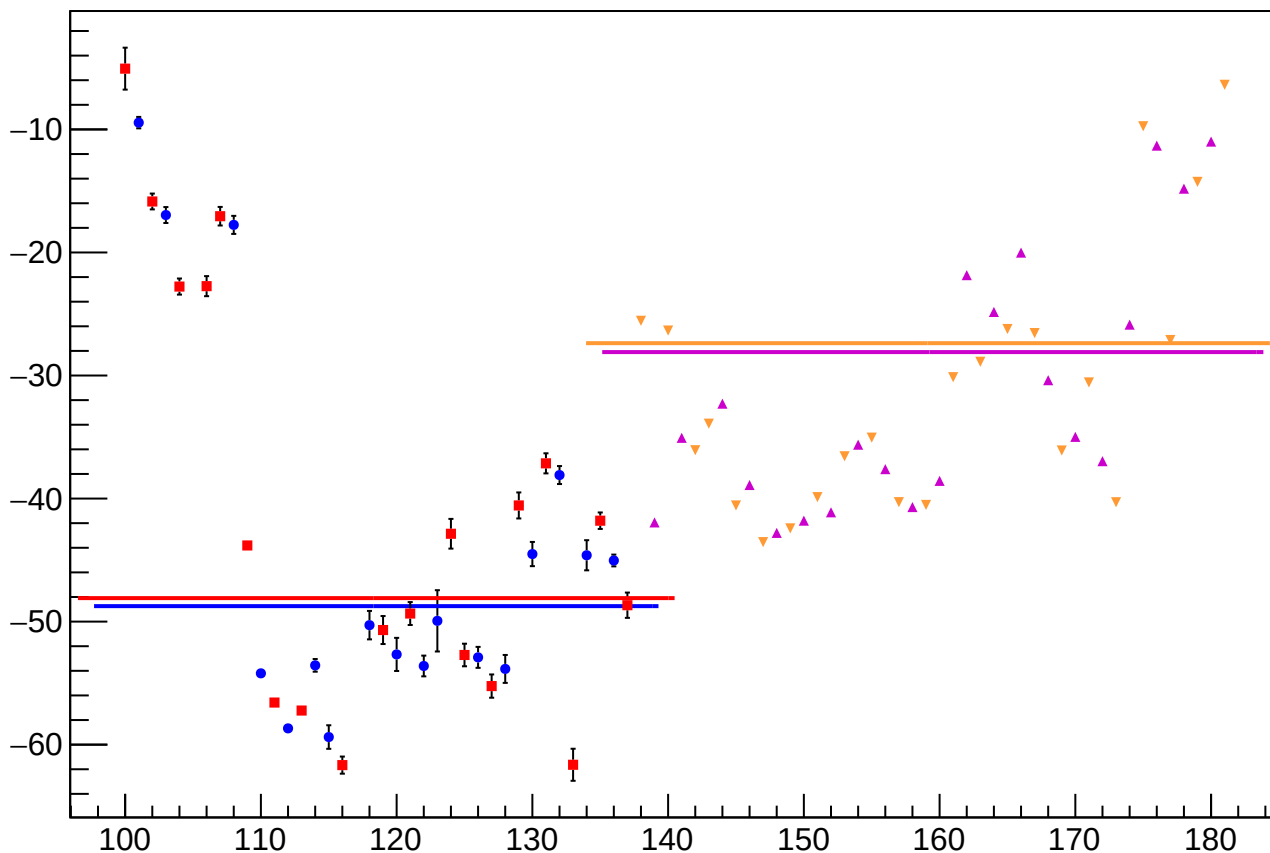
Right: -41.045 $\pm$ 0.053 χ^2/NDF : 18285.9/35

In: -36.848 $\pm$ 0.039 χ^2/NDF : 35503.7/37

Out: -36.318 $\pm$ 0.037 χ^2/NDF : 45965.8/41

All: -36.569 $\pm$ 0.027 χ^2/NDF : 81565.9/79

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: -27.372 ± 0.056 $\chi^2/\text{NDF}: 44228.6/22$

Right Out: -48.091 ± 0.107 $\chi^2/\text{NDF}: 11731.5/18$

Left In: -28.096 ± 0.058 $\chi^2/\text{NDF}: 36240.4/20$

Left: -27.720 ± 0.040 $\chi^2/\text{NDF}: 80550.8/43$

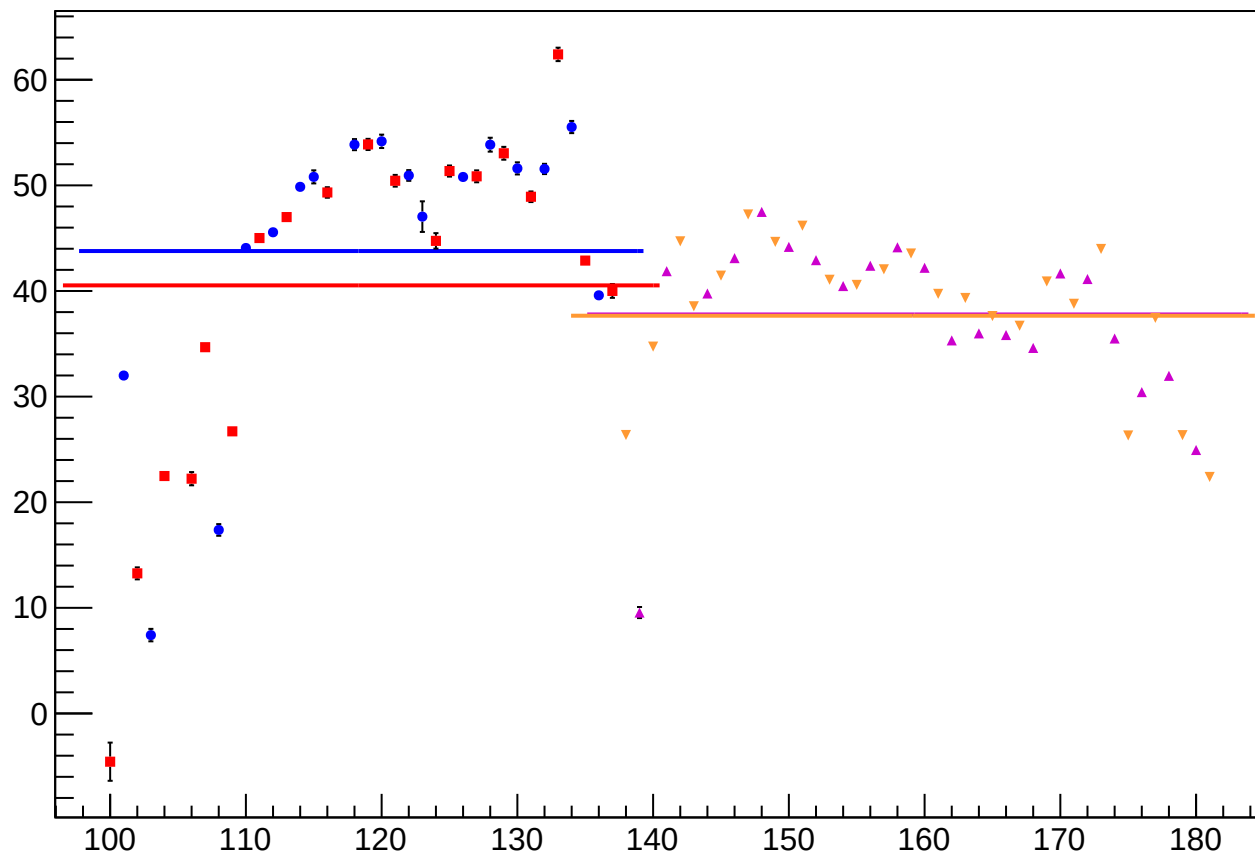
Right: -48.369 ± 0.081 $\chi^2/\text{NDF}: 26405.8/35$

In: -31.745 ± 0.052 $\chi^2/\text{NDF}: 73567.6/37$

Out: -31.761 ± 0.049 $\chi^2/\text{NDF}: 85392.2/41$

All: -31.753 ± 0.036 $\chi^2/\text{NDF}: 158959.8/79$

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.782 $\pm$ 0.087 χ^2 /NDF: 10638.7/16

Left Out: 37.659 $\pm$ 0.049 χ^2 /NDF: 20224.6/22

Right Out: 40.530 $\pm$ 0.080 χ^2 /NDF: 17580.7/18

Left In: 37.776 $\pm$ 0.051 χ^2 /NDF: 15303.4/20

Left: 37.715 $\pm$ 0.035 χ^2 /NDF: 35530.8/43

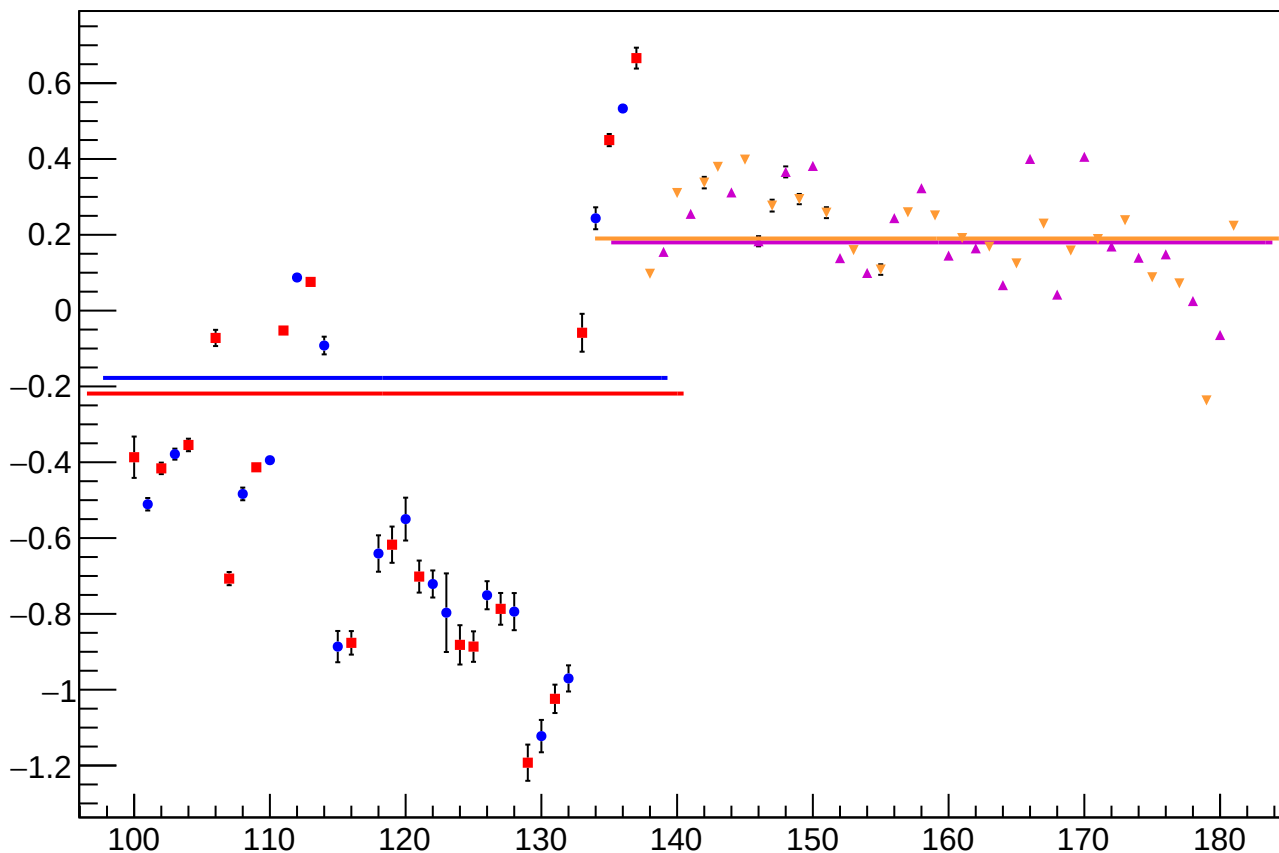
Right: 42.031 $\pm$ 0.059 χ^2 /NDF: 28978.3/35

In: 39.320 $\pm$ 0.044 χ^2 /NDF: 29513.5/37

Out: 38.437 $\pm$ 0.042 χ^2 /NDF: 38740.4/41

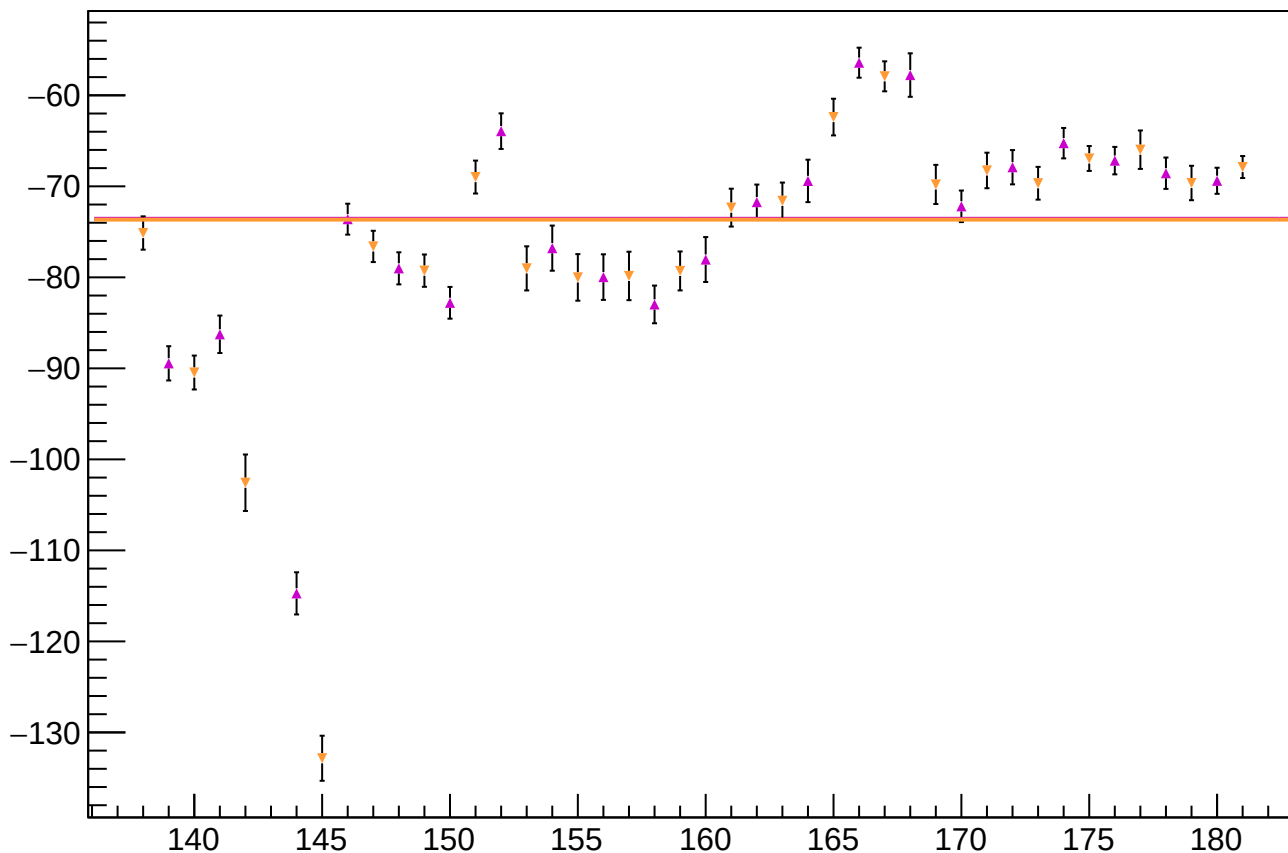
All: 38.856 $\pm$ 0.030 χ^2 /NDF: 68466.3/79

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Left: 0.185 ± 0.002 χ^2/NDF : 6297.2/43
 Right: -0.201 ± 0.003 χ^2/NDF : 14886.5/35
 In: 0.113 ± 0.002 χ^2/NDF : 14849.2/37
 Out: 0.101 ± 0.002 χ^2/NDF : 17809.5/41
 All: 0.107 ± 0.001 χ^2/NDF : 32674.7/79

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -73.657+/-0.405 χ^2/NDF : 987.8/21
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -73.569+/-0.411 χ^2/NDF : 743.7/20

Left: -73.614+/-0.288 χ^2/NDF : 1731.5/42

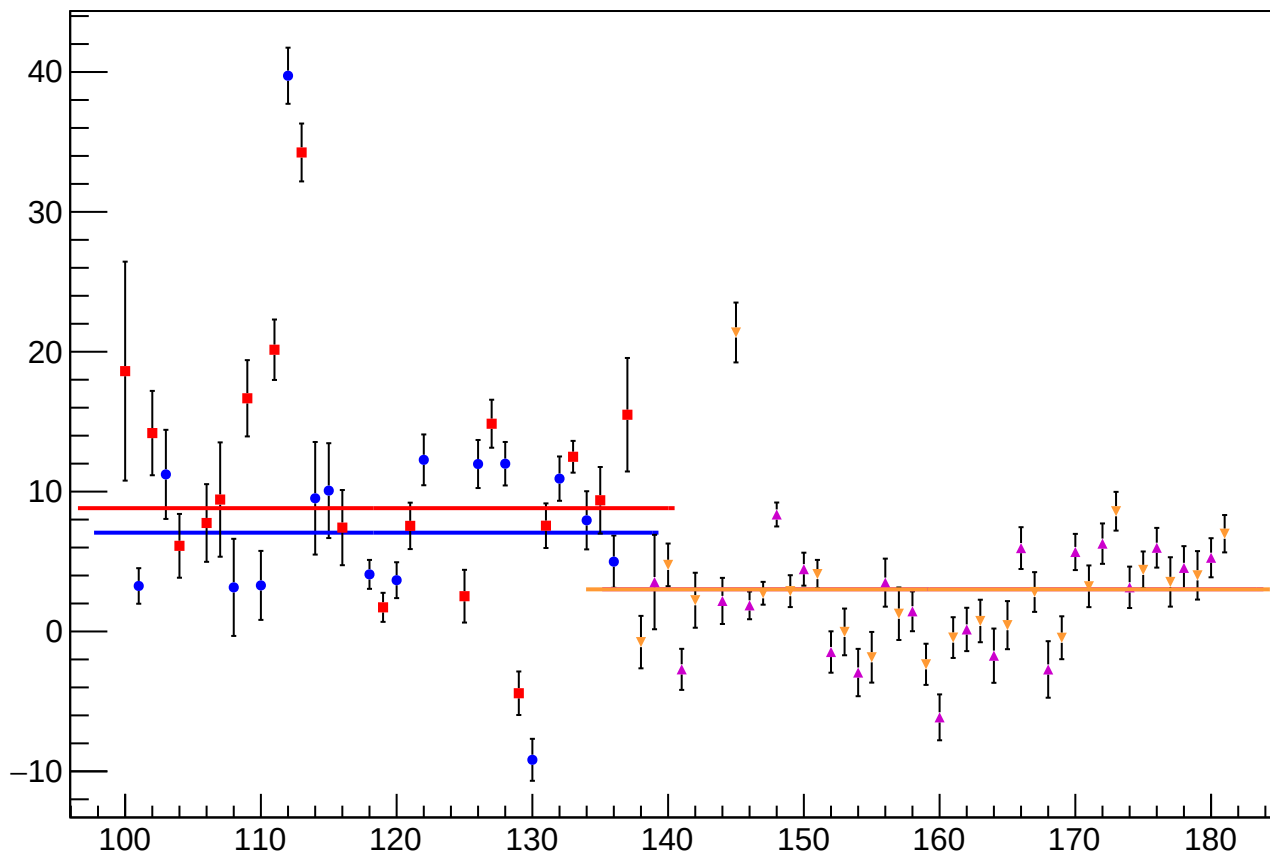
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -73.569+/-0.411 χ^2/NDF : 743.7/20

Out: -73.657+/-0.405 χ^2/NDF : 987.8/21

All: -73.614+/-0.288 χ^2/NDF : 1731.5/42

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.063±/0.434 χ^2/NDF : 446.9/15

Left Out: 3.011±/0.305 χ^2/NDF :146.9/21

Right Out: 8.816±/0.449 χ^2/NDF : 350.4/17

Left In: 3.020±/0.311 χ^2/NDF :150.0/20

Left: 3.015±/0.218 χ^2/NDF : 296.9/42

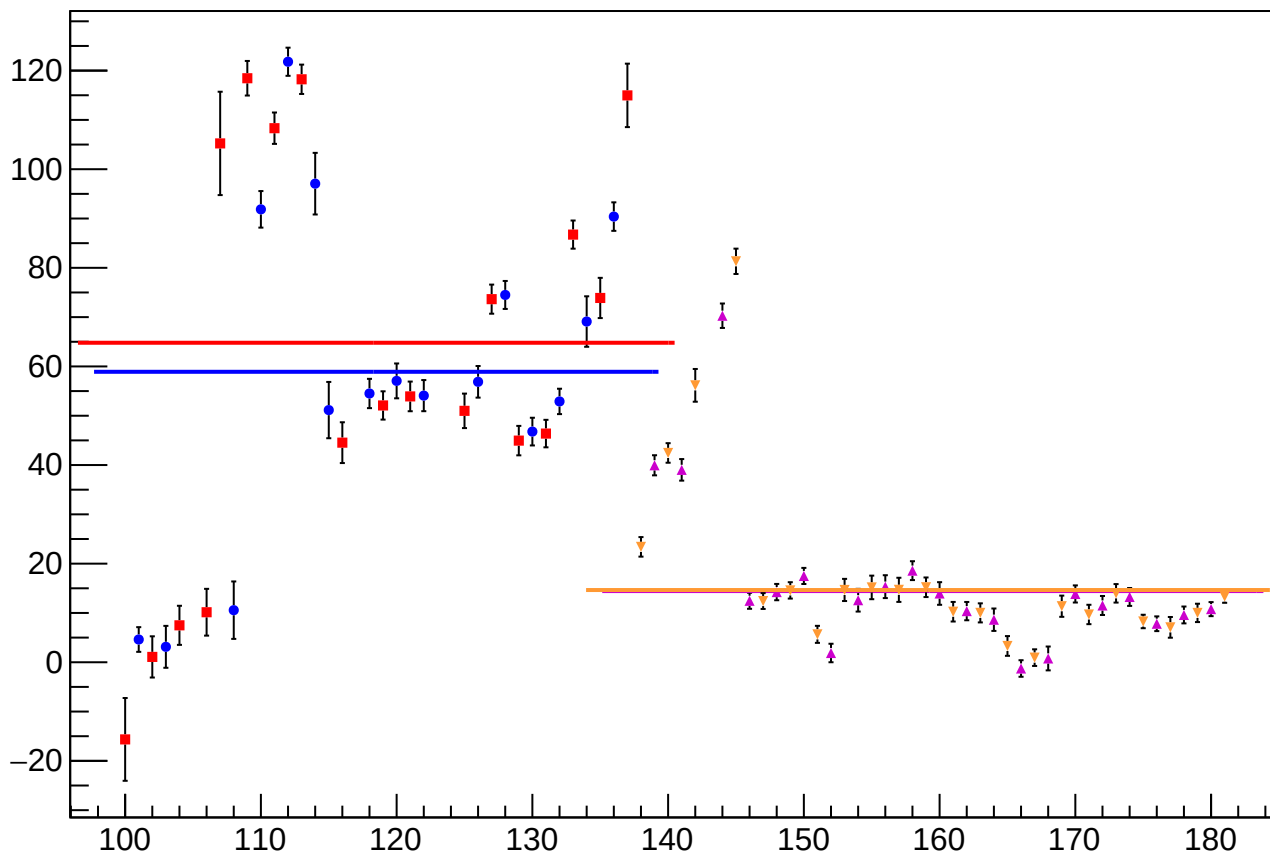
Right: 7.909±/0.312 χ^2/NDF : 805.1/33

In: 4.392±/0.253 χ^2/NDF :654.3/36

Out: 4.841±/0.252 χ^2/NDF :611.8/39

All: 4.617±/0.178 χ^2/NDF : 1267.7/76

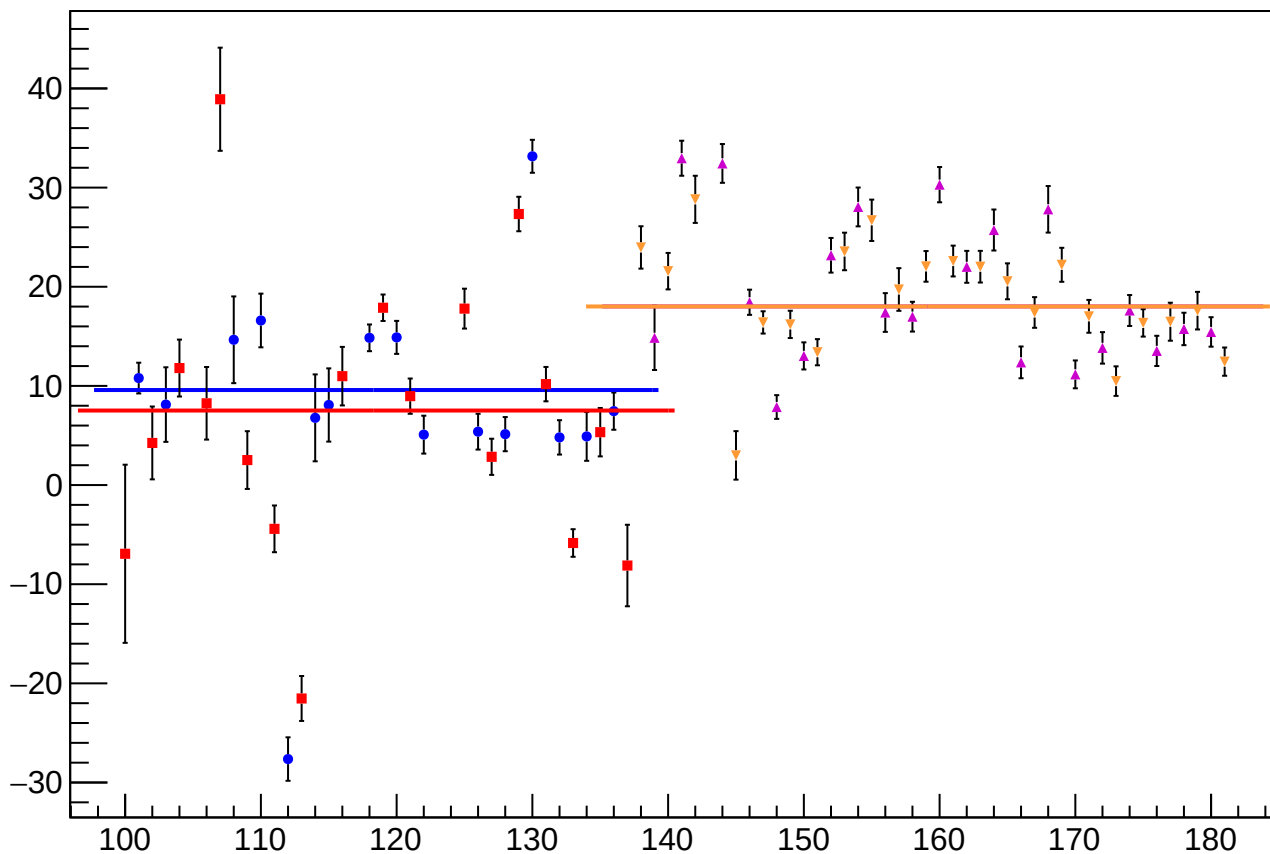
reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.913+/-0.831 χ^2/NDF : 1496.7/15
 Left Out: 14.648+/-0.402 χ^2/NDF :1234.6/21
 Right Out: 64.803+/-0.840 χ^2/NDF : 1718.2/17
 Left In: 14.437+/-0.406 χ^2/NDF :1014.0/20

Left: 14.544+/-0.286 χ^2/NDF : 2248.6/42
 Right: 61.827+/-0.591 χ^2/NDF : 3239.7/33
 In: 23.017+/-0.365 χ^2/NDF :4820.2/36
 Out: 23.980+/-0.362 χ^2/NDF :5852.8/39
 All: 23.502+/-0.257 χ^2/NDF : 10676.5/76

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: 18.011 ± 0.350 $\chi^2/\text{NDF}: 185.7/21$

Right Out: 7.516 ± 0.516 $\chi^2/\text{NDF}: 569.8/17$

Left In: 18.015 ± 0.356 $\chi^2/\text{NDF}: 389.8/20$

Left: 18.013 ± 0.250 $\chi^2/\text{NDF}: 575.5/42$

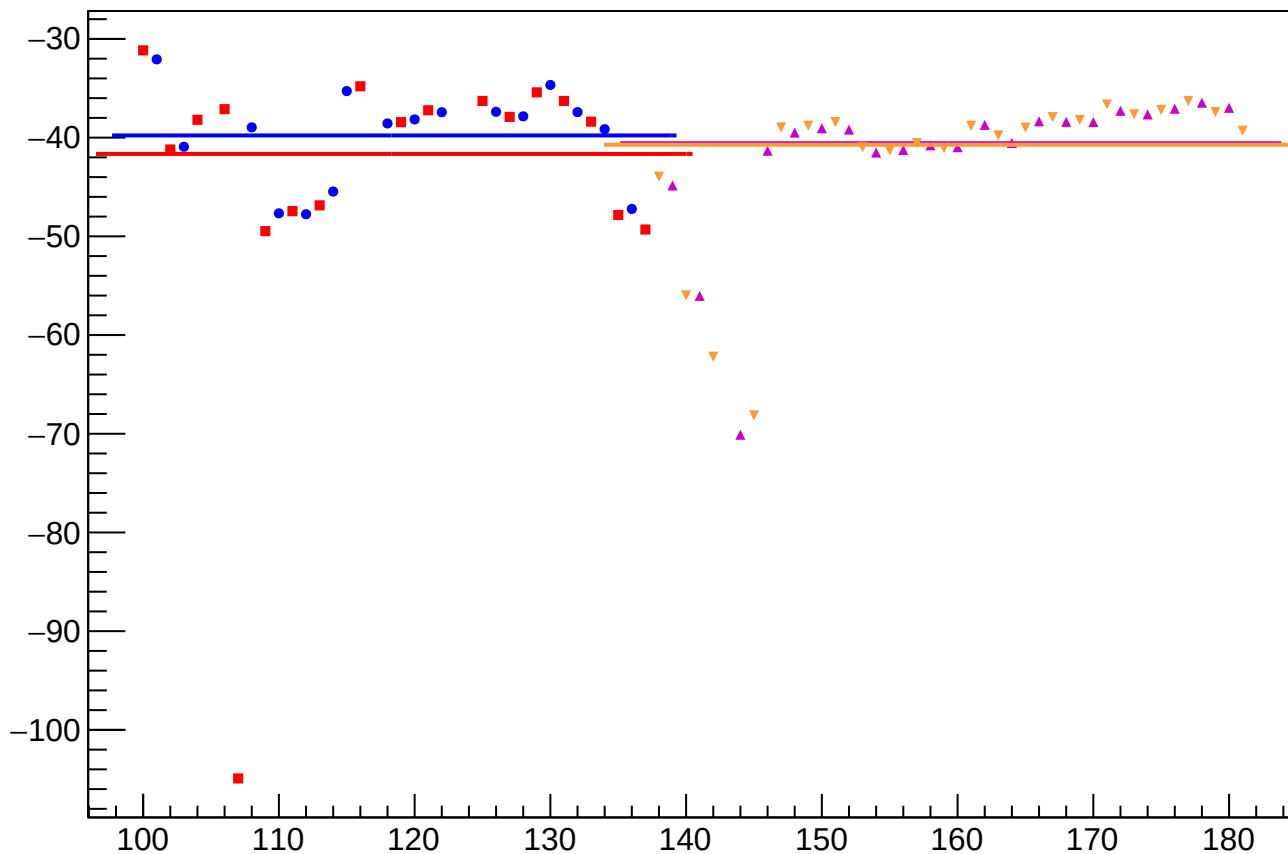
Right: 8.579 ± 0.359 $\chi^2/\text{NDF}: 1132.5/33$

In: 15.190 ± 0.290 $\chi^2/\text{NDF}: 1132.5/36$

Out: 14.697 ± 0.290 $\chi^2/\text{NDF}: 1038.9/39$

All: 14.943 ± 0.205 $\chi^2/\text{NDF}: 2172.9/76$

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected

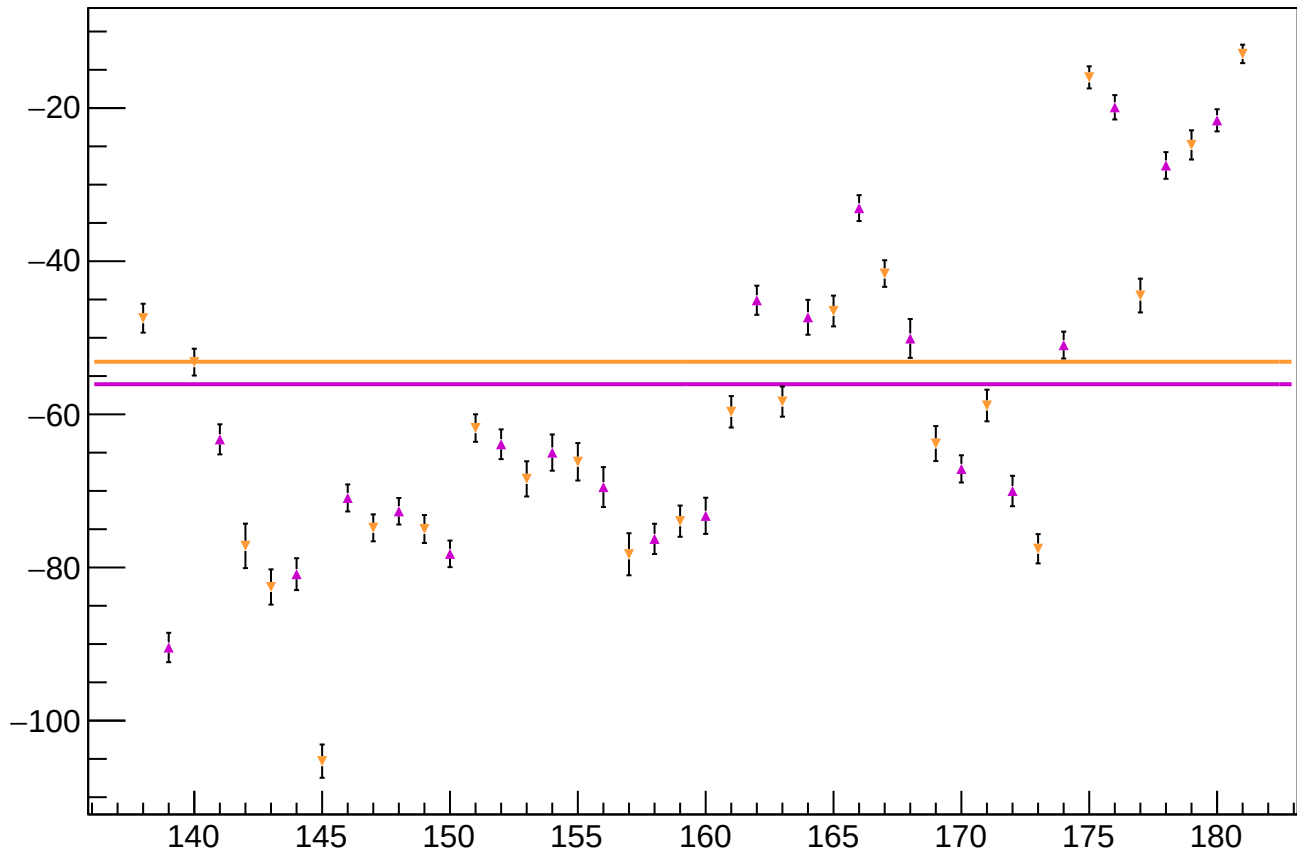


Right In: -39.777 ± 0.031 χ^2/NDF : 26158.0/15
 Left Out: -40.722 ± 0.016 χ^2/NDF : 150769.3/21
 Right Out: -41.651 ± 0.031 χ^2/NDF : 94457.5/17
 Left In: -40.563 ± 0.016 χ^2/NDF : 124728.3/20

Left: -40.642 ± 0.012 χ^2/NDF : 275543.8/42
 Right: -40.710 ± 0.022 χ^2/NDF : 122427.7/33
 In: -40.392 ± 0.015 χ^2/NDF : 151387.2/36
 Out: -40.925 ± 0.015 χ^2/NDF : 245920.5/39

All: -40.657 ± 0.010 χ^2/NDF : 397979.0/76

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -53.130+/-0.401 χ^2/NDF :3670.5/22

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

Left In: -56.065+/-0.414 χ^2/NDF :2704.6/20

Left: -54.553+/-0.288 χ^2/NDF : 6401.1/43

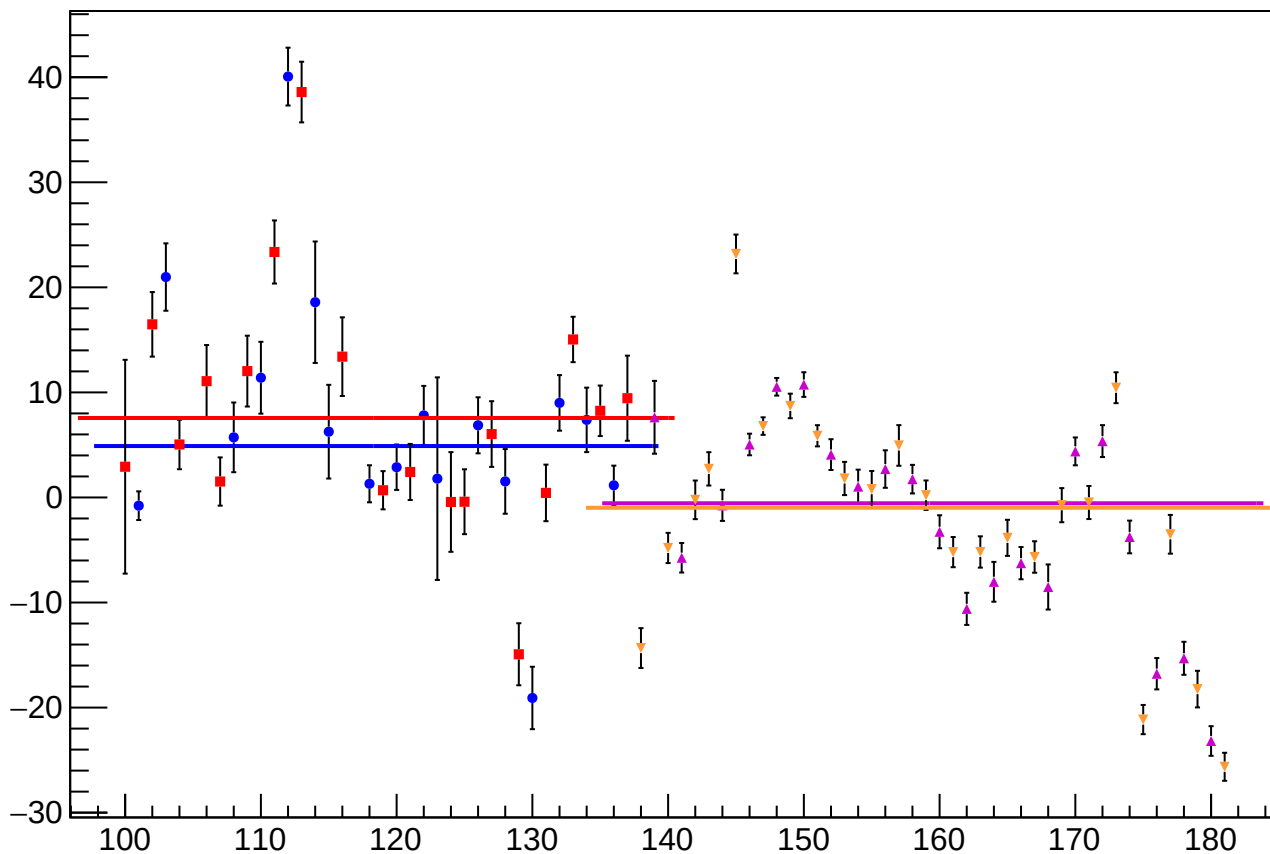
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -56.065+/-0.414 χ^2/NDF :2704.6/20

Out: -53.130+/-0.401 χ^2/NDF :3670.5/22

All: -54.553+/-0.288 χ^2/NDF : 6401.1/43

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: -0.982 ± 0.300 $\chi^2/\text{NDF}: 1192.1/22$

Right Out: 7.565 ± 0.652 $\chi^2/\text{NDF}: 270.2/18$

Left In: -0.552 ± 0.311 $\chi^2/\text{NDF}: 920.0/20$

Left: -0.774 ± 0.216 $\chi^2/\text{NDF}: 2113.0/43$

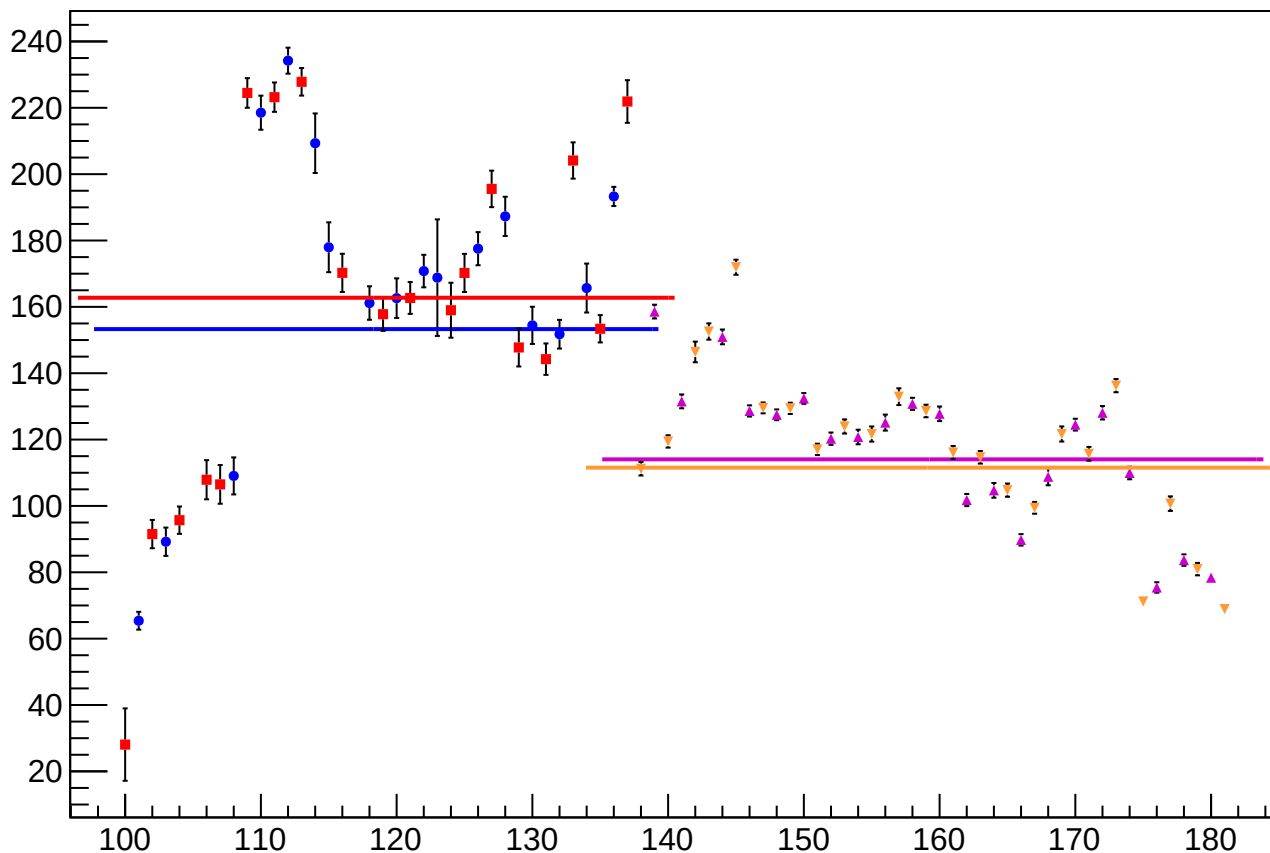
Right: 6.165 ± 0.450 $\chi^2/\text{NDF}: 574.4/35$

In: 0.537 ± 0.278 $\chi^2/\text{NDF}: 1276.9/37$

Out: 0.516 ± 0.273 $\chi^2/\text{NDF}: 1604.2/41$

All: 0.526 ± 0.195 $\chi^2/\text{NDF}: 2881.0/79$

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 153.298 $\pm$ 1.145 χ^2 /NDF: 2266.8/16

Left Out: 111.539 $\pm$ 0.399 χ^2 /NDF: 4051.8/22

Right Out: 162.747 $\pm$ 1.177 χ^2 /NDF: 1708.7/18

Left In: 114.040 $\pm$ 0.409 χ^2 /NDF: 3116.5/20

Left: 112.759 $\pm$ 0.285 χ^2 /NDF: 7187.4/43

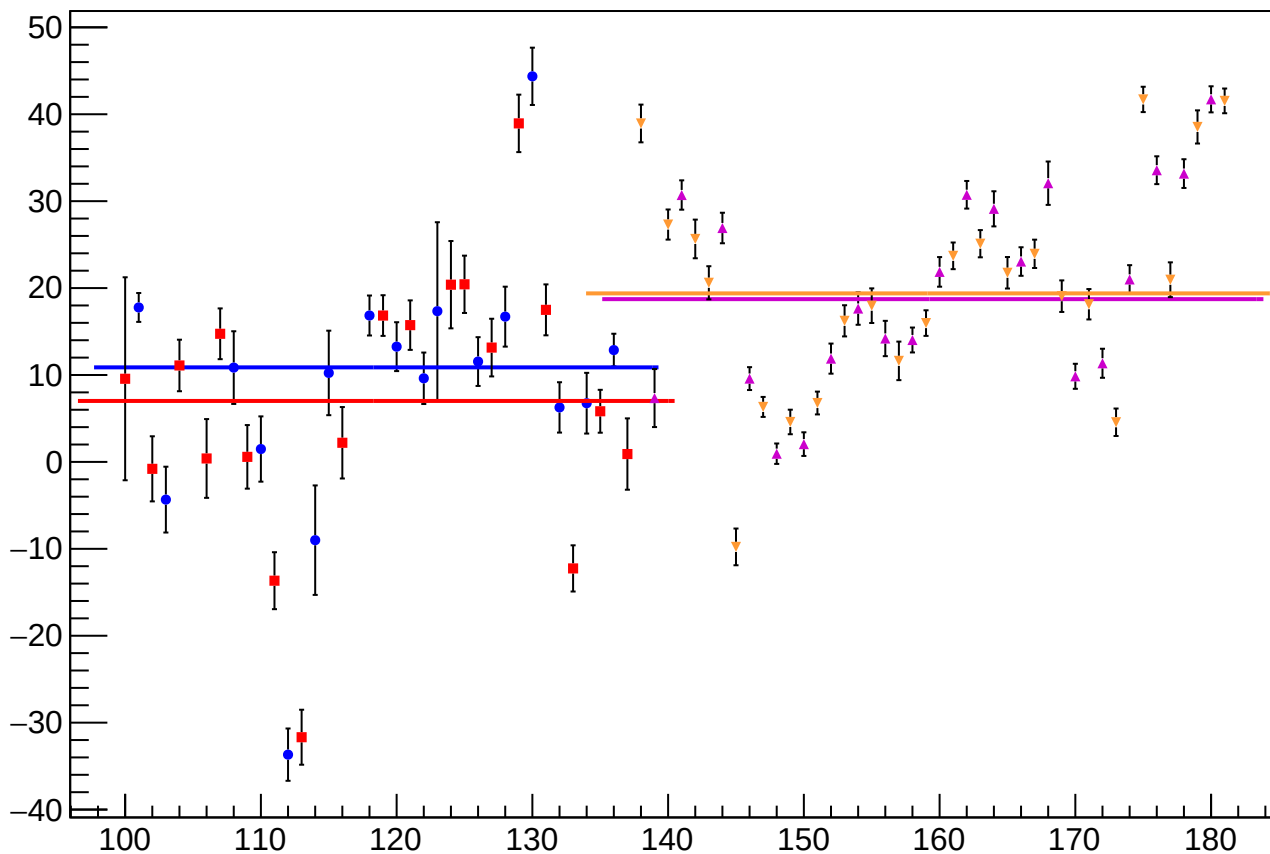
Right: 157.893 $\pm$ 0.820 χ^2 /NDF: 4008.6/35

In: 118.476 $\pm$ 0.385 χ^2 /NDF: 6426.5/37

Out: 116.819 $\pm$ 0.378 χ^2 /NDF: 7459.3/41

All: 117.633 $\pm$ 0.270 χ^2 /NDF: 13895.2/79

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: 19.389 $\pm$ 0.346 χ^2 /NDF:1350.9/22

Right Out: 7.014 $\pm$ 0.748 χ^2 /NDF: 424.5/18

Left In: 18.727 $\pm$ 0.356 χ^2 /NDF:1122.3/20

Left: 19.067 $\pm$ 0.248 χ^2 /NDF: 2475.0/43

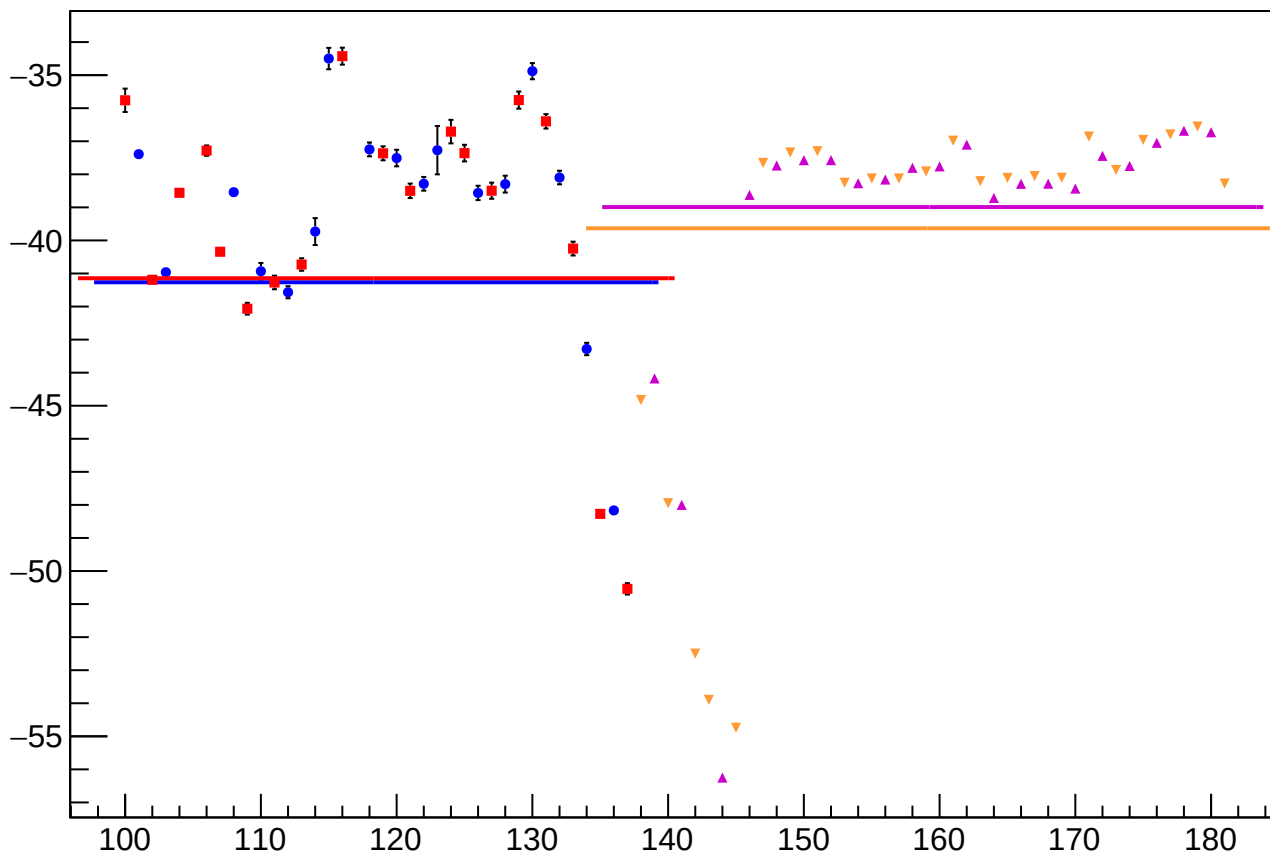
Right: 9.038 $\pm$ 0.516 χ^2 /NDF: 826.6/35

In: 17.161 $\pm$ 0.319 χ^2 /NDF:1607.3/37

Out: 17.207 $\pm$ 0.314 χ^2 /NDF:2000.8/41

All: 17.184 $\pm$ 0.224 χ^2 /NDF: 3608.1/79

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.265 ± 0.038 $\chi^2/\text{NDF}: 12570.1/16$

Left Out: -39.632 ± 0.016 $\chi^2/\text{NDF}: 87747.5/22$

Right Out: -41.144 ± 0.039 $\chi^2/\text{NDF}: 12218.7/18$

Left In: -38.991 ± 0.017 $\chi^2/\text{NDF}: 53931.0/20$

Left: -39.314 ± 0.012 $\chi^2/\text{NDF}: 142440.0/43$

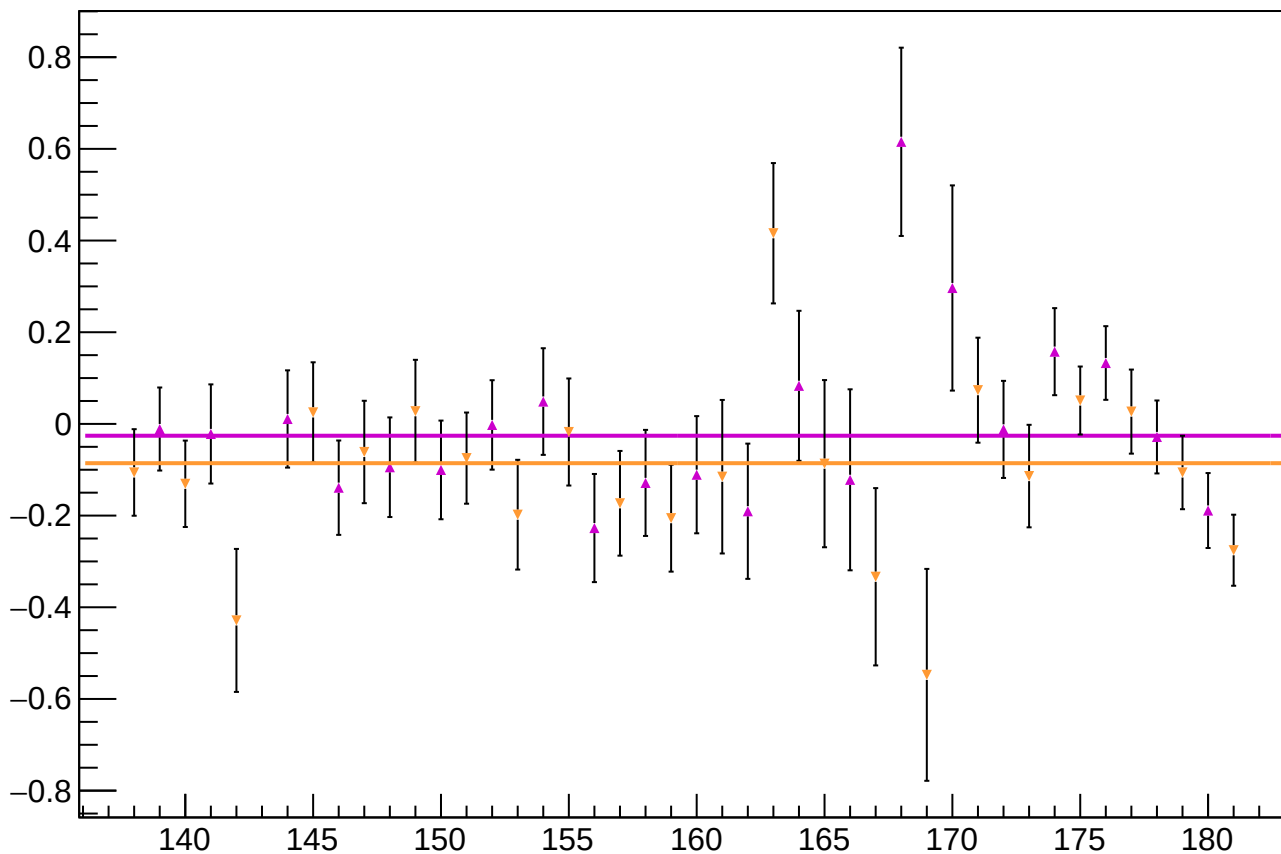
Right: -41.205 ± 0.027 $\chi^2/\text{NDF}: 24793.7/35$

In: -39.344 ± 0.015 $\chi^2/\text{NDF}: 69450.0/37$

Out: -39.863 ± 0.015 $\chi^2/\text{NDF}: 101264.6/41$

All: -39.605 ± 0.011 $\chi^2/\text{NDF}: 171301.6/79$

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: -0.086 $\pm$ 0.023 χ^2 /NDF:39.5/21

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

Left In: -0.026 $\pm$ 0.024 χ^2 /NDF:32.2/20

Left: -0.056 $\pm$ 0.017 χ^2 /NDF: 74.9/42

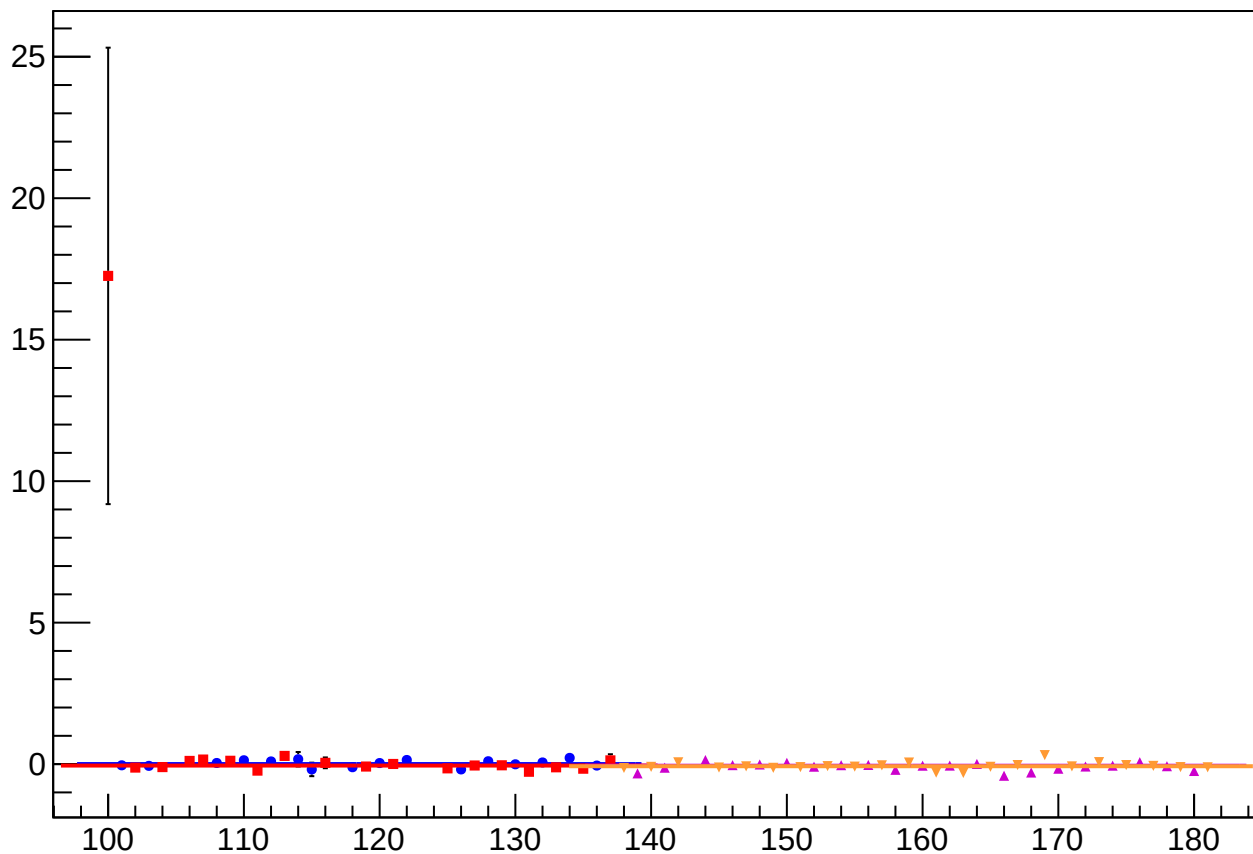
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.026 $\pm$ 0.024 χ^2 /NDF:32.2/20

Out: -0.086 $\pm$ 0.023 χ^2 /NDF:39.5/21

All: -0.056 $\pm$ 0.017 χ^2 /NDF: 74.9/42

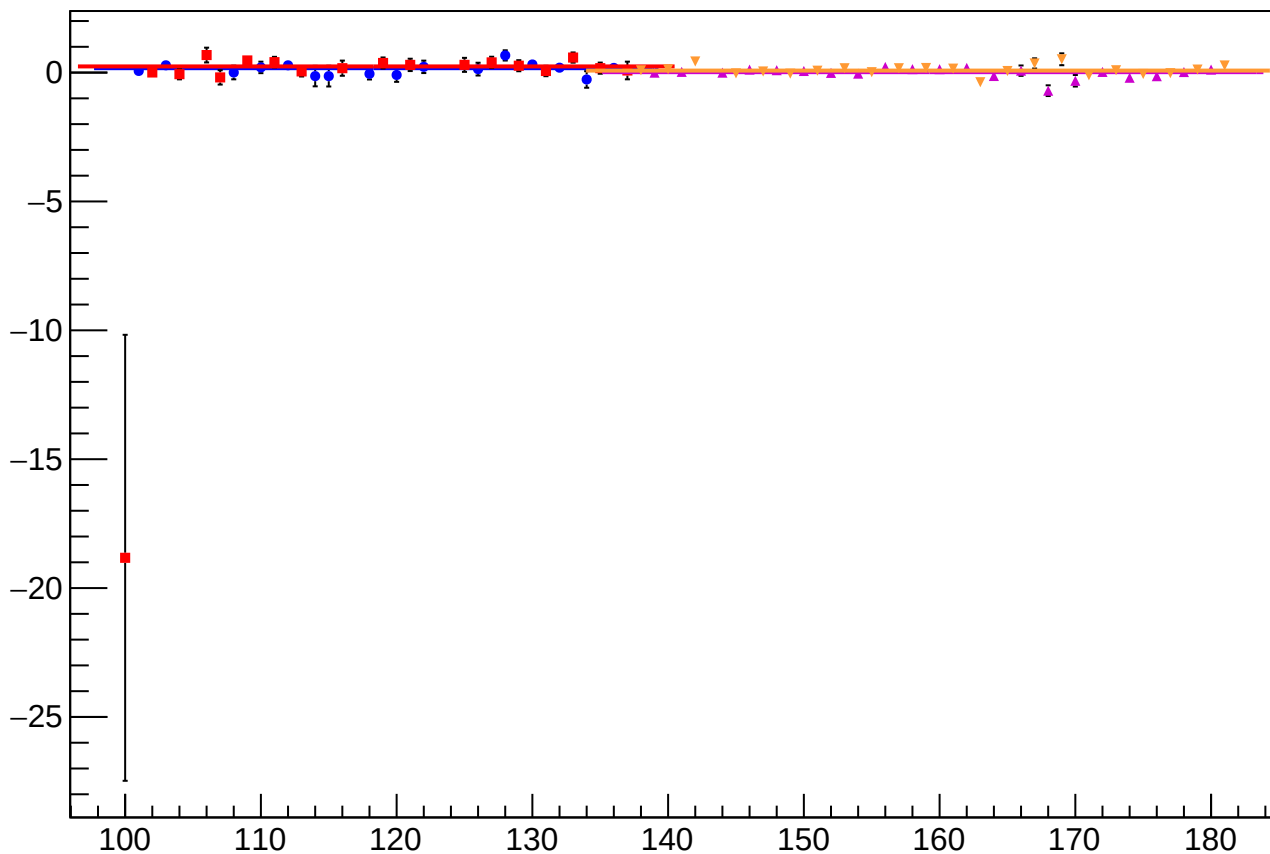
reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.002 ± 0.028 $\chi^2/\text{NDF}: 12.5/15$
 Left Out: -0.075 ± 0.018 $\chi^2/\text{NDF}: 23.4/21$
 Right Out: -0.051 ± 0.029 $\chi^2/\text{NDF}: 25.8/17$
 Left In: -0.056 ± 0.018 $\chi^2/\text{NDF}: 31.7/20$

Left: -0.066 ± 0.013 $\chi^2/\text{NDF}: 55.7/42$
 Right: -0.024 ± 0.020 $\chi^2/\text{NDF}: 40.0/33$
 In: -0.039 ± 0.015 $\chi^2/\text{NDF}: 47.3/36$
 Out: -0.068 ± 0.015 $\chi^2/\text{NDF}: 49.7/39$
 All: -0.054 ± 0.011 $\chi^2/\text{NDF}: 98.8/76$

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.171 $\pm$ 0.052 χ^2 /NDF: 13.7/15

Left Out: 0.077 $\pm$ 0.023 χ^2 /NDF:38.0/21

Right Out: 0.239 $\pm$ 0.054 χ^2 /NDF: 21.8/17

Left In: 0.016 $\pm$ 0.024 χ^2 /NDF:34.1/20

Left: 0.047 $\pm$ 0.017 χ^2 /NDF: 75.6/42

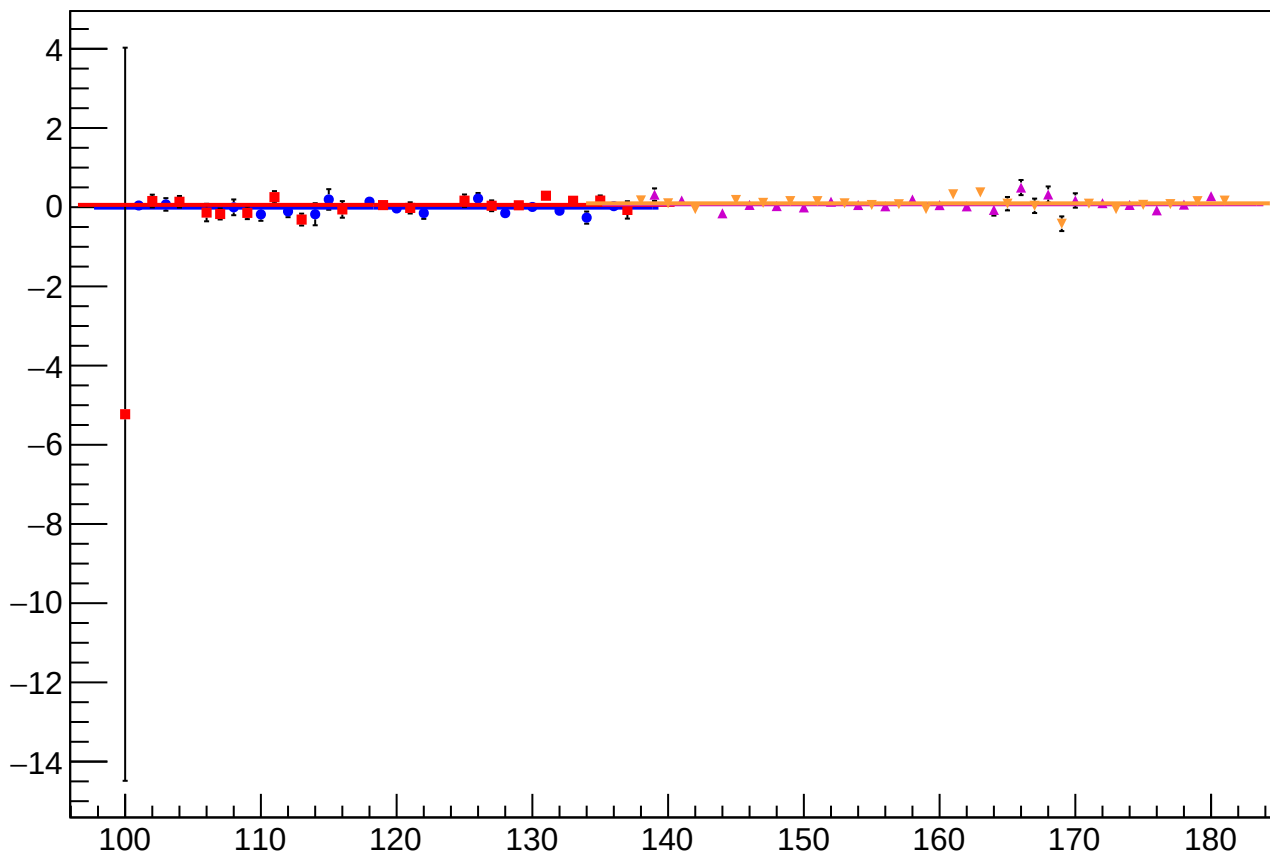
Right: 0.204 $\pm$ 0.038 χ^2 /NDF: 36.3/33

In: 0.042 $\pm$ 0.021 χ^2 /NDF:55.0/36

Out: 0.103 $\pm$ 0.021 χ^2 /NDF:67.4/39

All: 0.073 $\pm$ 0.015 χ^2 /NDF: 126.5/76

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.011 ± 0.033 χ^2/NDF : 13.8/15

Left Out: 0.097 ± 0.021 χ^2/NDF : 26.6/21

Right Out: 0.059 ± 0.034 χ^2/NDF : 20.6/17

Left In: 0.074 ± 0.021 χ^2/NDF : 31.4/20

Left: 0.086 ± 0.015 χ^2/NDF : 58.7/42

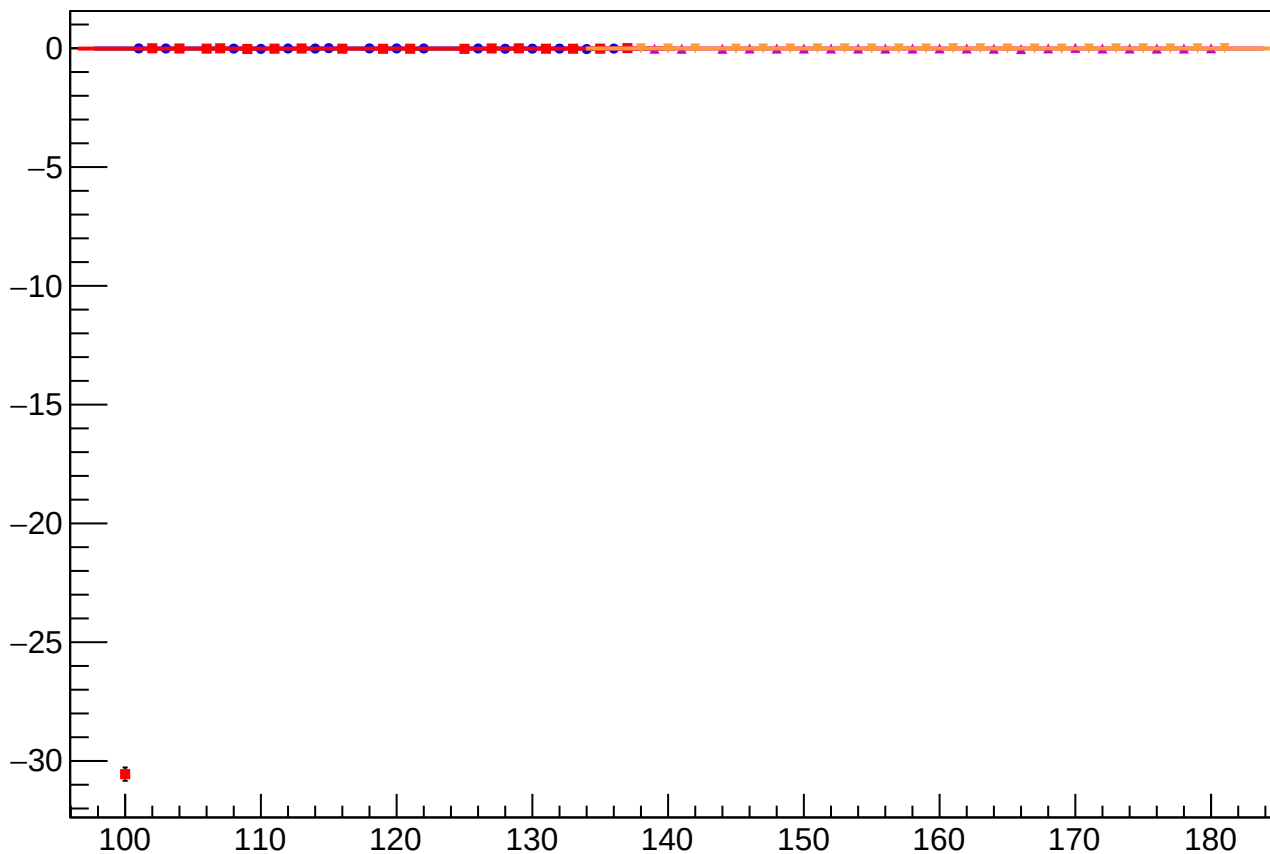
Right: 0.022 ± 0.023 χ^2/NDF : 36.5/33

In: 0.049 ± 0.018 χ^2/NDF : 50.0/36

Out: 0.087 ± 0.018 χ^2/NDF : 48.1/39

All: 0.068 ± 0.012 χ^2/NDF : 100.4/76

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: -0.007 $\pm$ 0.001 χ^2 /NDF:25.2/21

Right Out: -0.012 $\pm$ 0.002 χ^2 /NDF: 11891.5/17

Left In: -0.009 $\pm$ 0.001 χ^2 /NDF:37.6/20

Left: -0.008 $\pm$ 0.001 χ^2 /NDF: 64.8/42

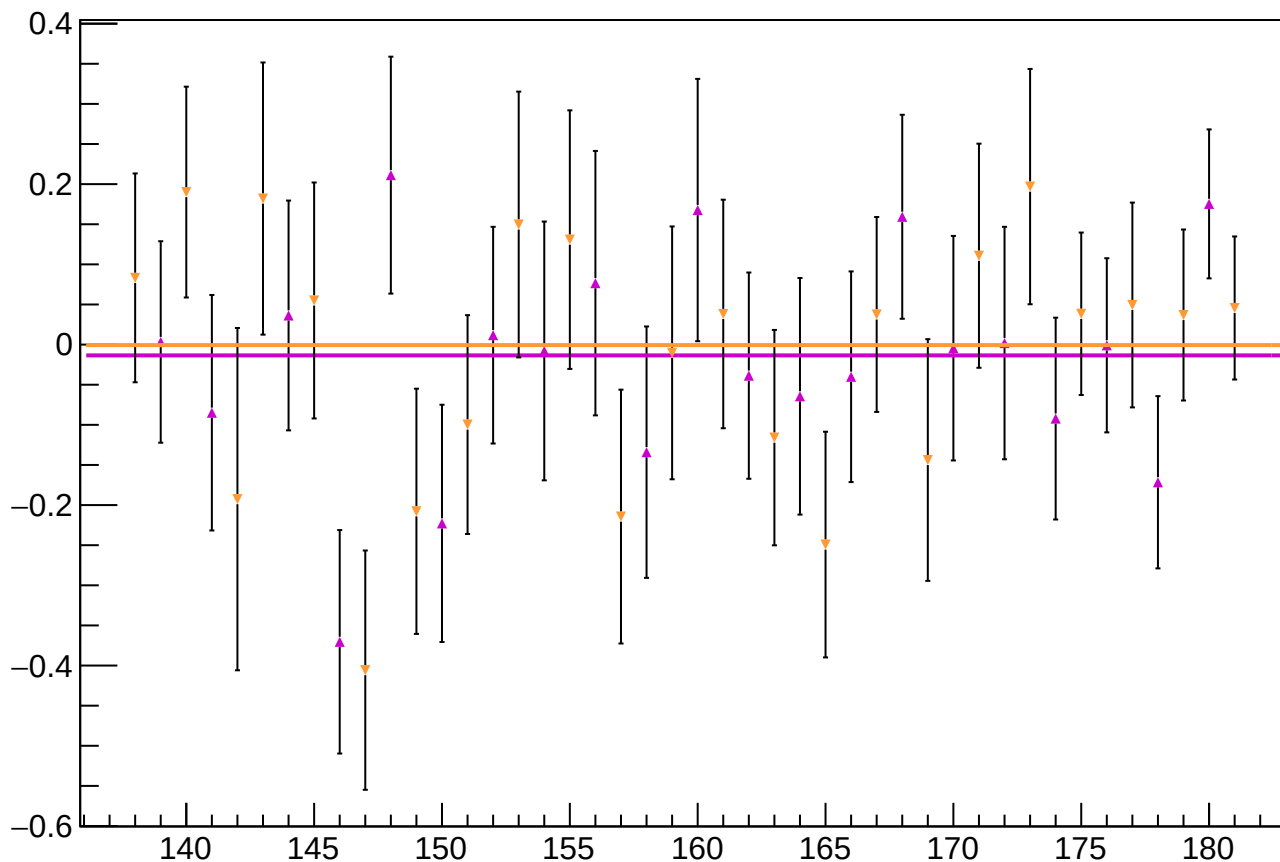
Right: -0.012 $\pm$ 0.001 χ^2 /NDF: 11904.4/33

In: -0.010 $\pm$ 0.001 χ^2 /NDF:52.0/36

Out: -0.008 $\pm$ 0.001 χ^2 /NDF:11922.1/39

All: -0.009 $\pm$ 0.001 χ^2 /NDF: 11975.6/76

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: -0.001 $\pm$ 0.028 χ^2 /NDF:25.8/22

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

Left In: -0.013 $\pm$ 0.029 χ^2 /NDF:22.2/20

Left: -0.007 $\pm$ 0.020 χ^2 /NDF: 48.1/43

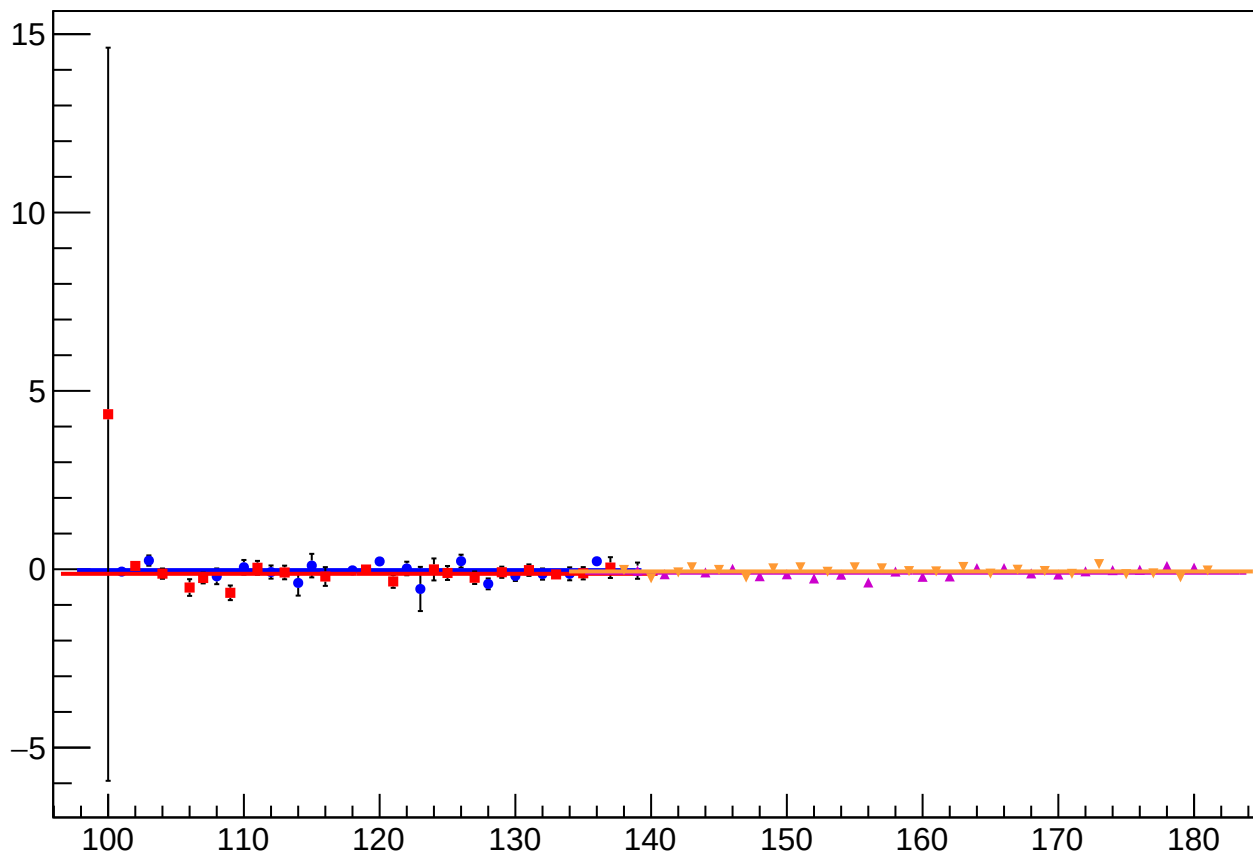
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.013 $\pm$ 0.029 χ^2 /NDF:22.2/20

Out: -0.001 $\pm$ 0.028 χ^2 /NDF:25.8/22

All: -0.007 $\pm$ 0.020 χ^2 /NDF: 48.1/43

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.024 ± 0.037 χ^2/NDF : 23.4/16

Left Out: -0.062 ± 0.022 χ^2/NDF : 24.2/22

Right Out: -0.128 ± 0.039 χ^2/NDF : 17.6/18

Left In: -0.098 ± 0.023 χ^2/NDF : 24.6/20

Left: -0.079 ± 0.016 χ^2/NDF : 50.1/43

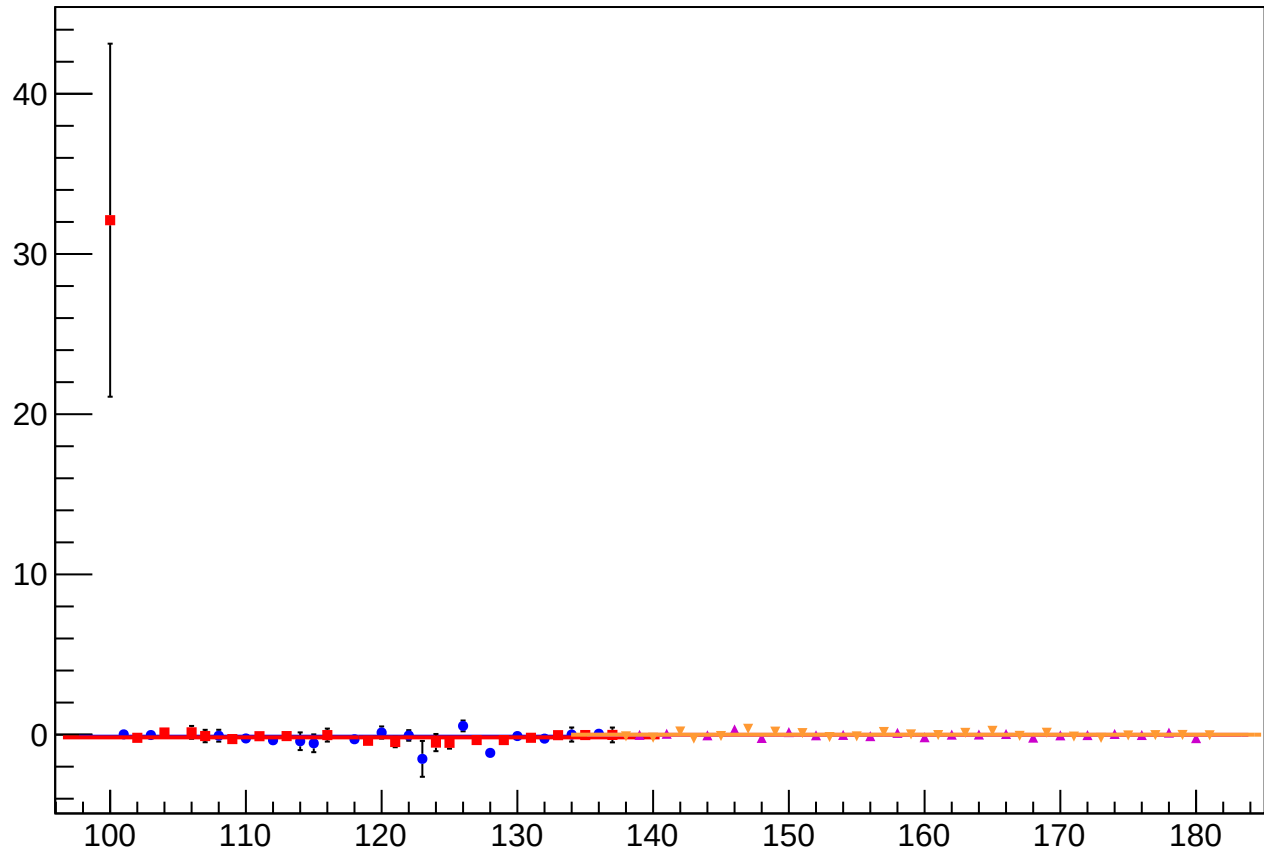
Right: -0.072 ± 0.027 χ^2/NDF : 44.7/35

In: -0.077 ± 0.019 χ^2/NDF : 50.9/37

Out: -0.077 ± 0.019 χ^2/NDF : 44.0/41

All: -0.077 ± 0.014 χ^2/NDF : 94.8/79

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.129 ± 0.067 χ^2/NDF : 23.7/16

Left Out: -0.004 ± 0.028 χ^2/NDF : 25.0/22

Right Out: -0.172 ± 0.071 χ^2/NDF : 15.0/18

Left In: -0.016 ± 0.029 χ^2/NDF : 21.0/20

Left: -0.010 ± 0.020 χ^2/NDF : 46.1/43

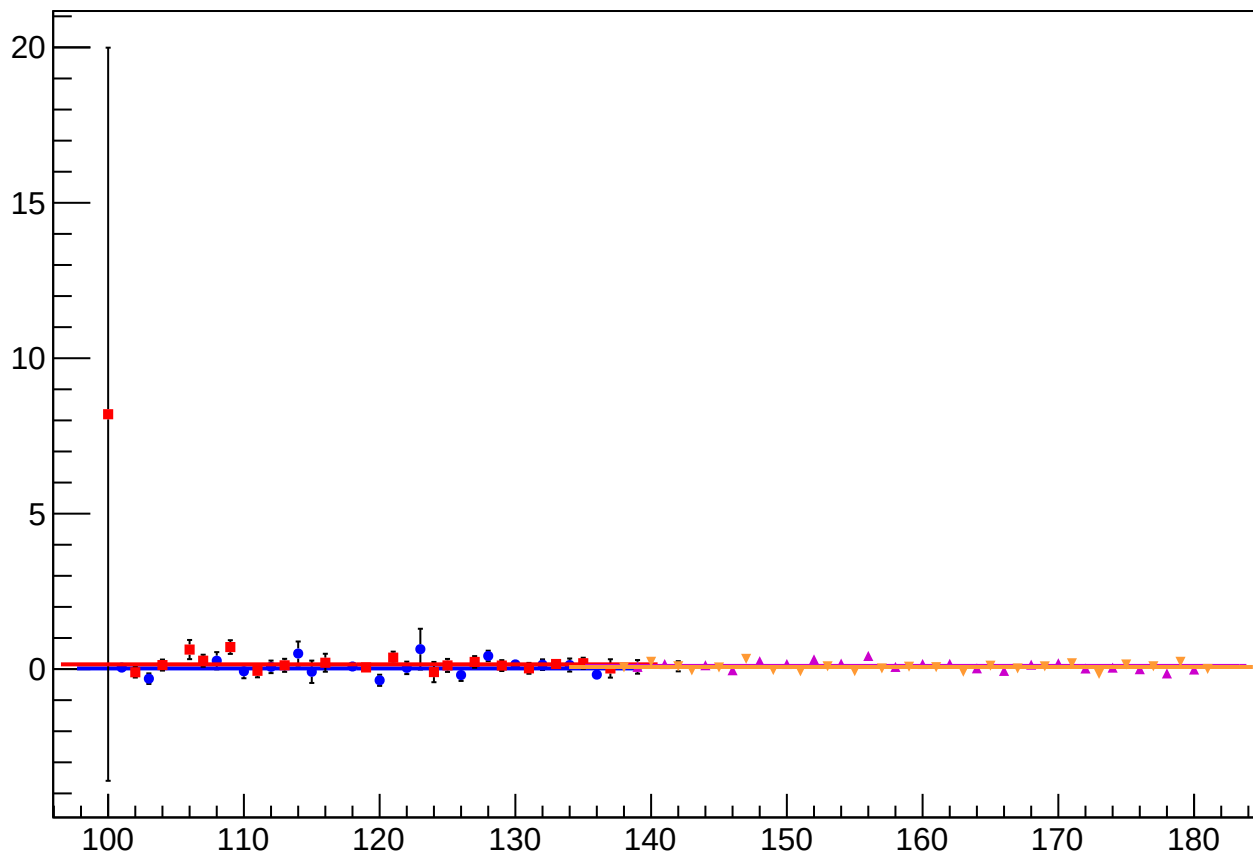
Right: -0.149 ± 0.049 χ^2/NDF : 39.0/35

In: -0.034 ± 0.026 χ^2/NDF : 47.1/37

Out: -0.027 ± 0.026 χ^2/NDF : 44.8/41

All: -0.030 ± 0.019 χ^2/NDF : 92.0/79

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.021+/-0.042 χ^2/NDF : 22.5/16

Left Out: 0.067+/-0.025 χ^2/NDF :23.4/22

Right Out: 0.152+/-0.045 χ^2/NDF : 16.2/18

Left In: 0.101+/-0.026 χ^2/NDF :26.0/20

Left: 0.084+/-0.018 χ^2/NDF : 50.3/43

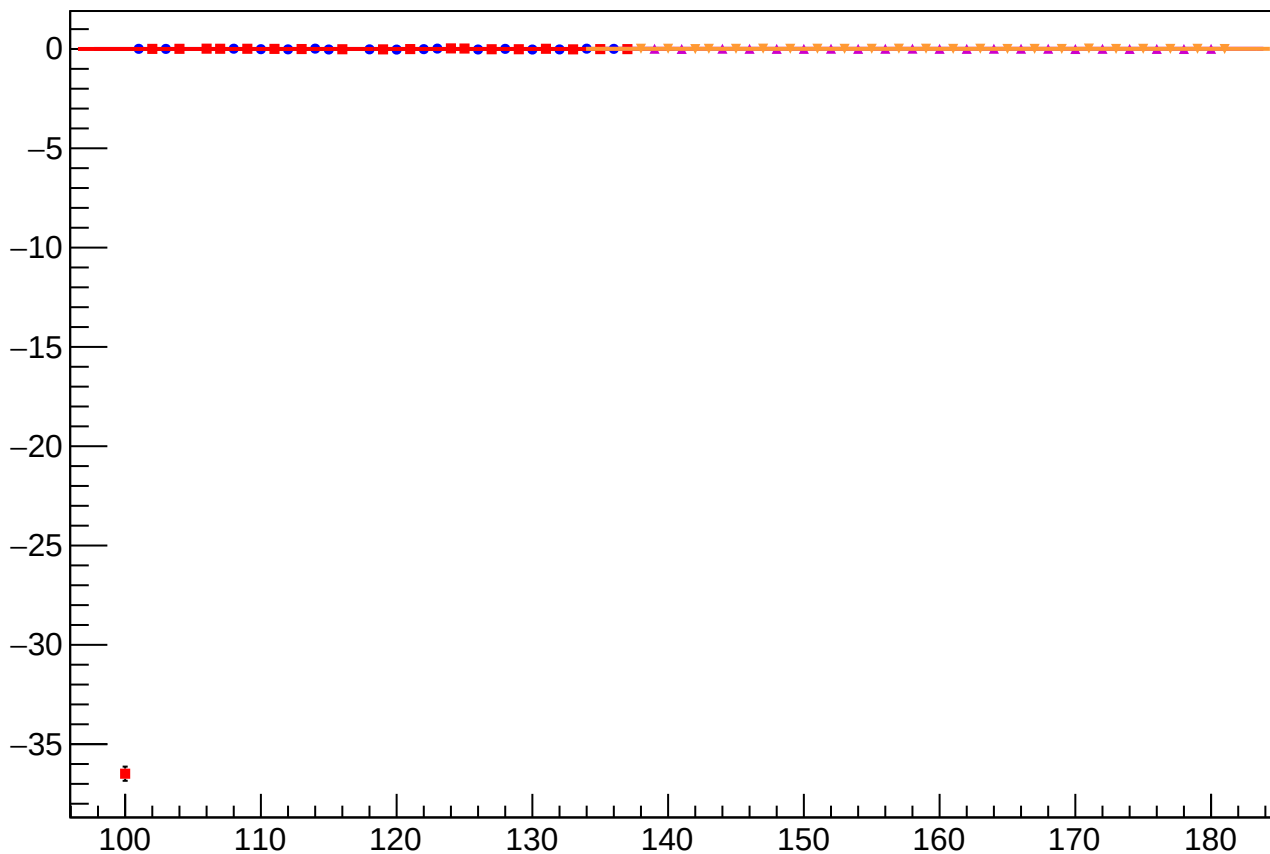
Right: 0.082+/-0.031 χ^2/NDF : 43.2/35

In: 0.080+/-0.022 χ^2/NDF :51.1/37

Out: 0.087+/-0.022 χ^2/NDF :42.3/41

All: 0.083+/-0.015 χ^2/NDF : 93.5/79

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: 0.008 $\pm$ 0.001 χ^2 /NDF:24.5/22

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/18

Left In: 0.009 $\pm$ 0.001 χ^2 /NDF:15.2/20

Left: 0.009 $\pm$ 0.001 χ^2 /NDF: 40.0/43

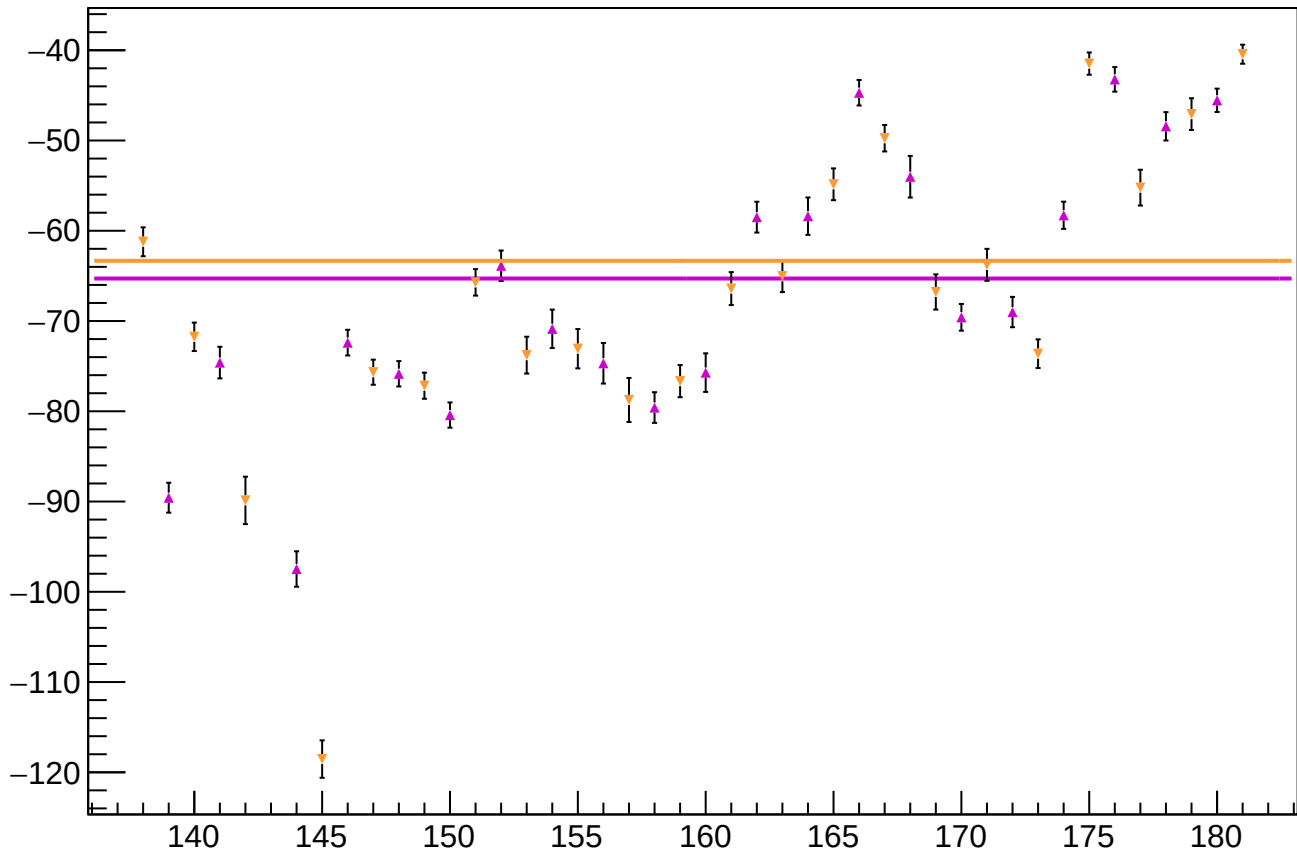
Right: 0.001 $\pm$ 0.002 χ^2 /NDF: 10481.5/35

In: 0.008 $\pm$ 0.001 χ^2 /NDF:57.9/37

Out: 0.007 $\pm$ 0.001 χ^2 /NDF:10482.3/41

All: 0.007 $\pm$ 0.001 χ^2 /NDF: 10540.3/79

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: -63.327+/-0.352 χ^2/NDF :2200.2/21

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

Left In: -65.292+/-0.357 χ^2/NDF :1737.5/20

Left: -64.295+/-0.250 χ^2/NDF : 3953.1/42

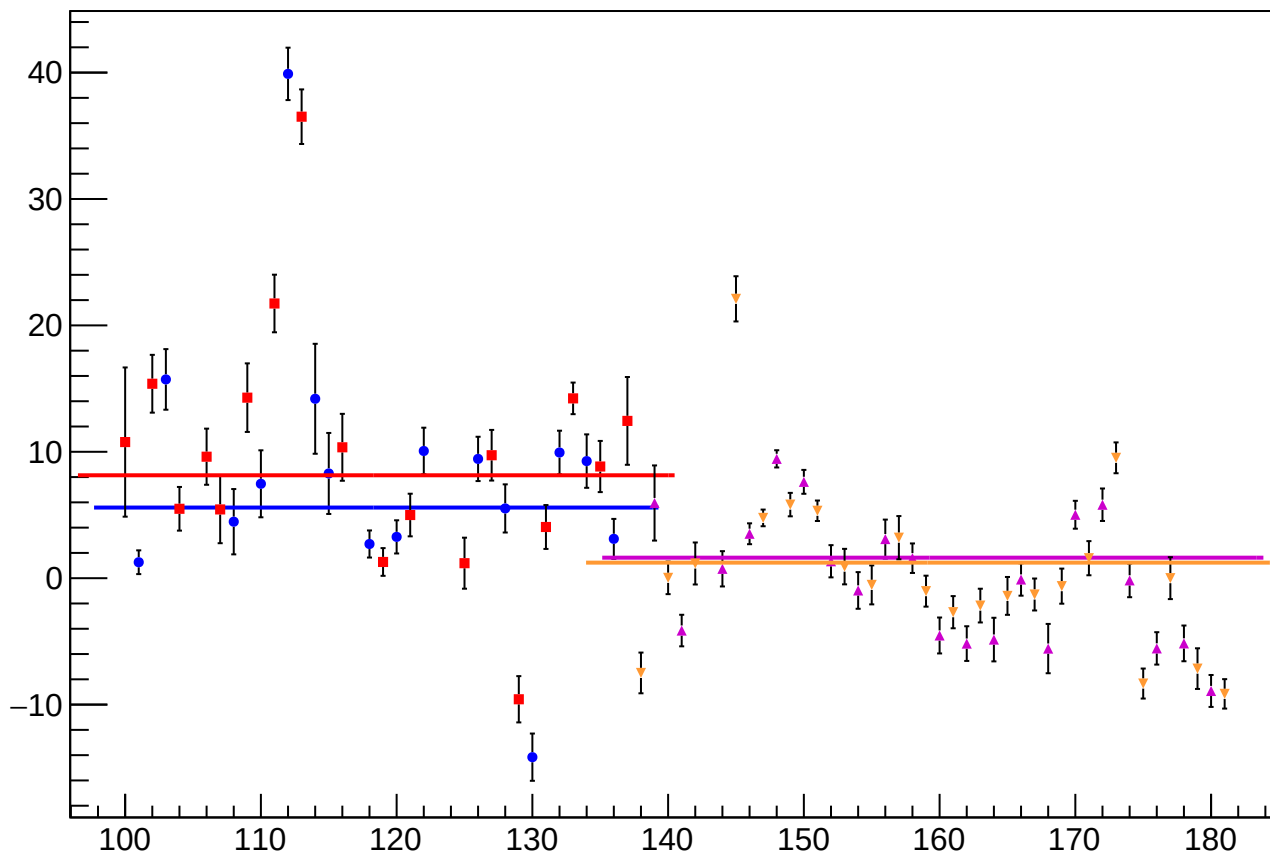
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -65.292+/-0.357 χ^2/NDF :1737.5/20

Out: -63.327+/-0.352 χ^2/NDF :2200.2/21

All: -64.295+/-0.250 χ^2/NDF : 3953.1/42

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.589 $\pm$ 0.424 χ^2 /NDF: 462.8/15

Left Out: 1.232 $\pm$ 0.260 χ^2 /NDF:494.7/21

Right Out: 8.142 $\pm$ 0.454 χ^2 /NDF: 407.7/17

Left In: 1.623 $\pm$ 0.265 χ^2 /NDF:423.8/20

Left: 1.424 $\pm$ 0.186 χ^2 /NDF: 919.6/42

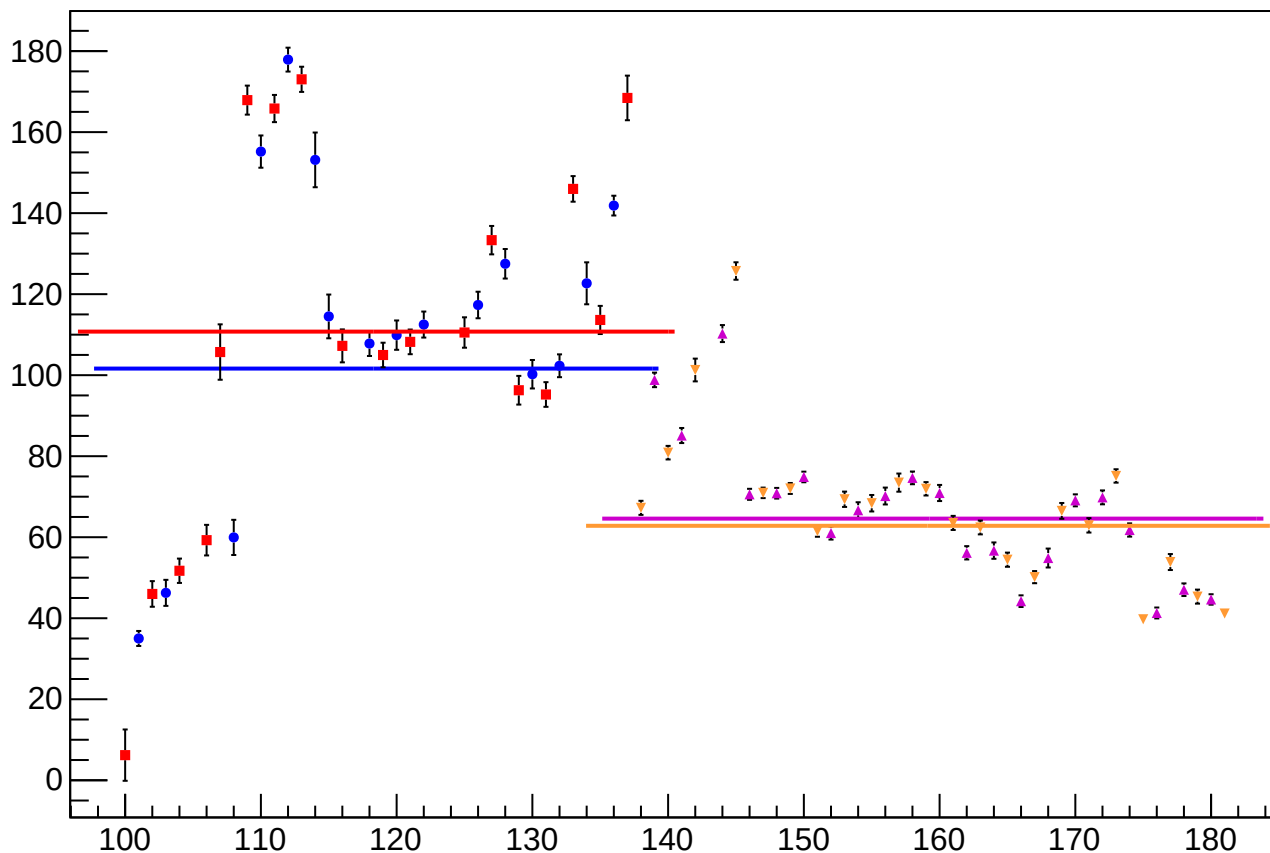
Right: 6.778 $\pm$ 0.310 χ^2 /NDF: 887.4/33

In: 2.740 $\pm$ 0.225 χ^2 /NDF:949.6/36

Out: 2.942 $\pm$ 0.226 χ^2 /NDF:1077.0/39

All: 2.841 $\pm$ 0.159 χ^2 /NDF: 2027.0/76

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: 62.818 $\pm$ 0.348 χ^2 /NDF:2338.9/21

Right Out: 110.756 $\pm$ 0.836 χ^2 /NDF: 2513.0/17

Left In: 64.590 $\pm$ 0.352 χ^2 /NDF:2073.4/20

Left: 63.695 $\pm$ 0.248 χ^2 /NDF: 4425.1/42

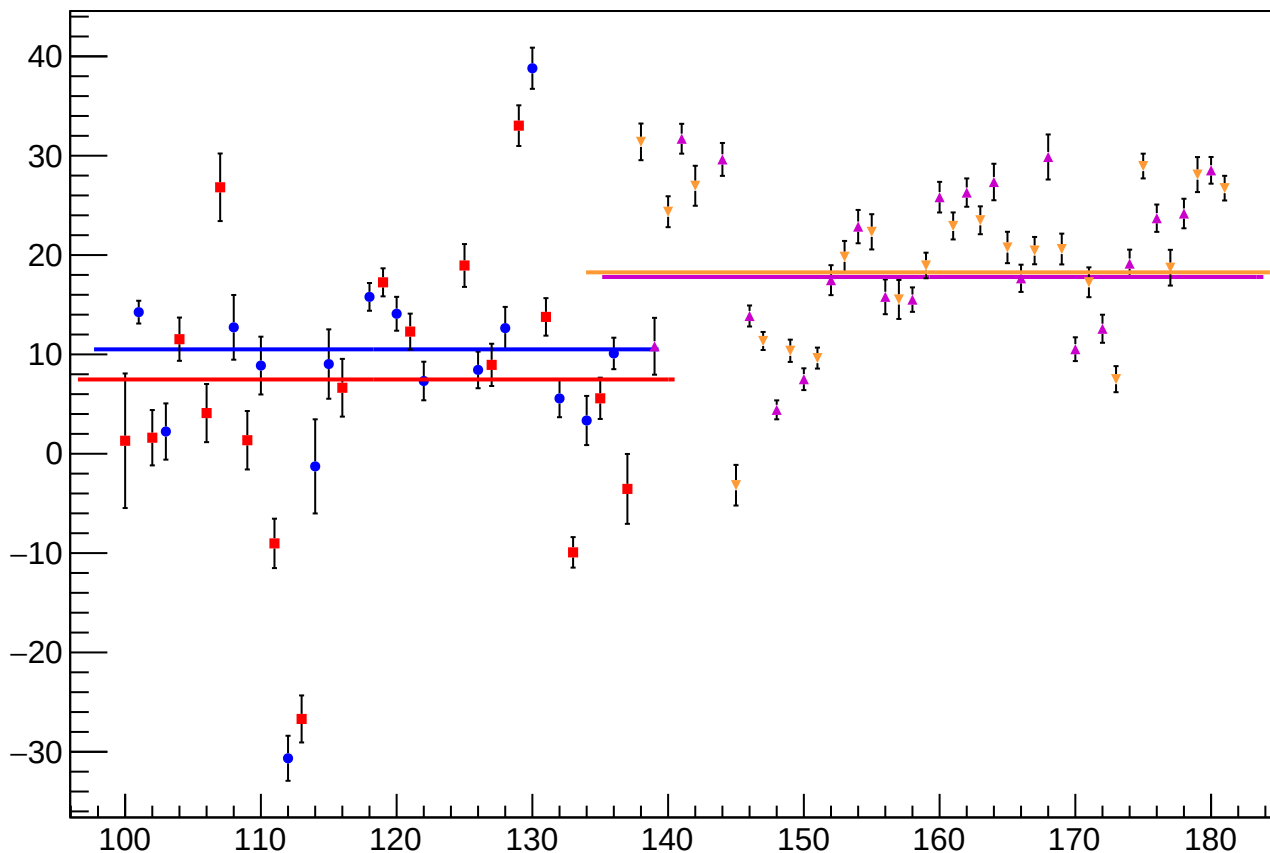
Right: 106.031 $\pm$ 0.581 χ^2 /NDF: 5553.5/33

In: 70.513 $\pm$ 0.323 χ^2 /NDF:6822.4/36

Out: 69.909 $\pm$ 0.322 χ^2 /NDF:7652.3/39

All: 70.210 $\pm$ 0.228 χ^2 /NDF: 14476.4/76

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: 18.259 $\pm$ 0.301 χ^2 /NDF: 629.5/21

Right Out: 7.477 $\pm$ 0.524 χ^2 /NDF: 689.3/17

Left In: 17.790 $\pm$ 0.306 χ^2 /NDF: 725.5/20

Left: 18.028 $\pm$ 0.215 χ^2 /NDF: 1356.2/42

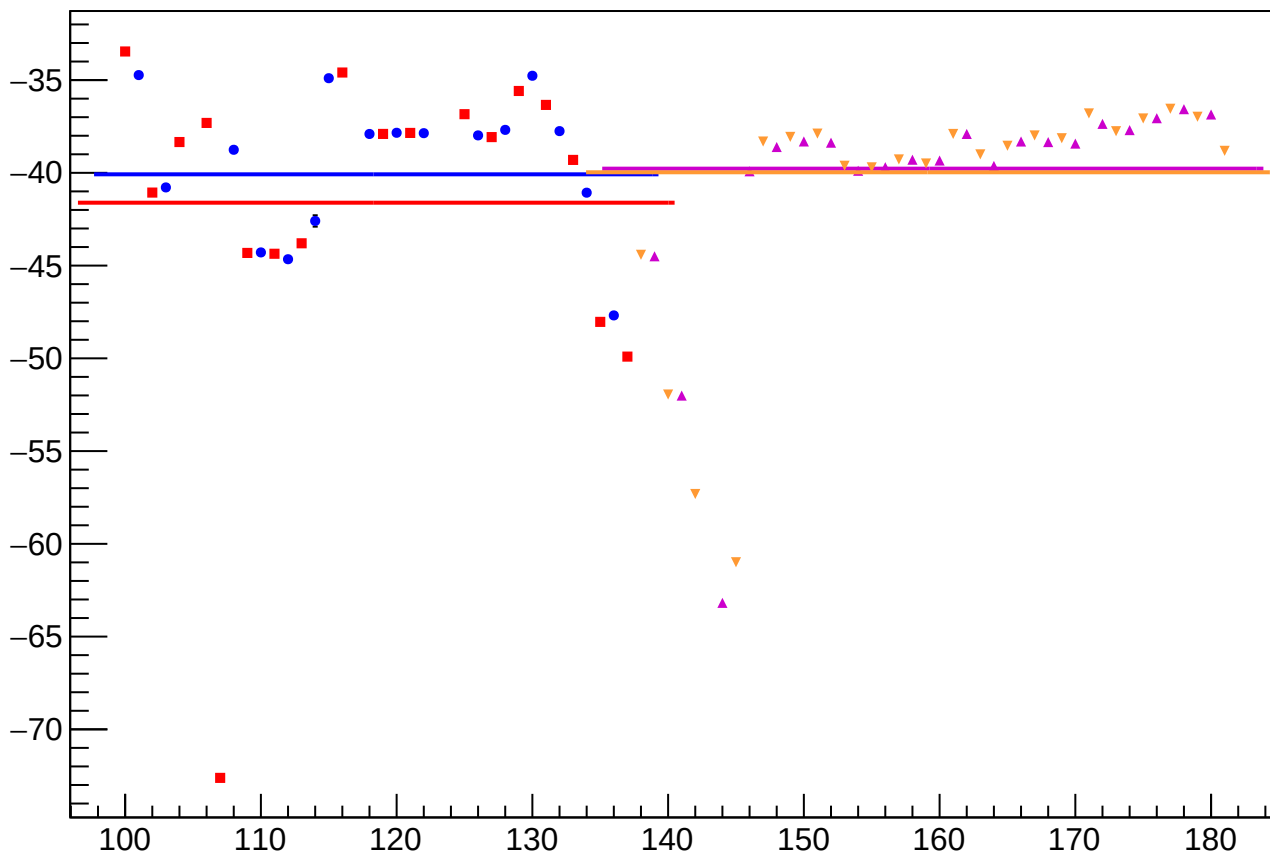
Right: 9.088 $\pm$ 0.359 χ^2 /NDF: 1288.6/33

In: 15.764 $\pm$ 0.260 χ^2 /NDF: 1465.1/36

Out: 15.580 $\pm$ 0.261 χ^2 /NDF: 1637.0/39

All: 15.673 $\pm$ 0.184 χ^2 /NDF: 3102.4/76

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: -39.970 ± 0.014 χ^2/NDF : 131642.3/21

Right Out: -41.609 ± 0.029 χ^2/NDF : 61784.6/17

Left In: -39.775 ± 0.014 χ^2/NDF : 109333.2/20

Left: -39.872 ± 0.010 χ^2/NDF : 241068.8/42

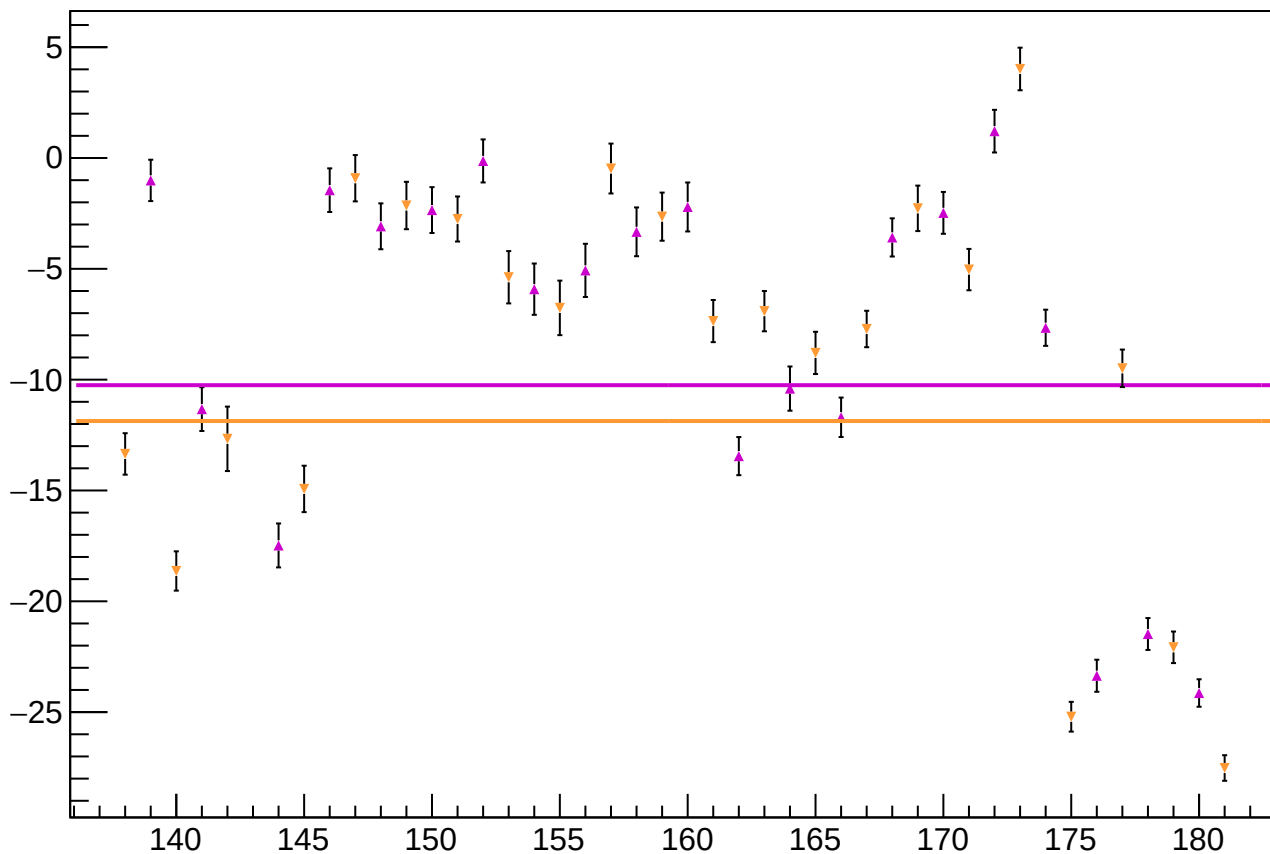
Right: -40.834 ± 0.020 χ^2/NDF : 88360.5/33

In: -39.837 ± 0.013 χ^2/NDF : 134550.4/36

Out: -40.300 ± 0.013 χ^2/NDF : 196056.8/39

All: -40.066 ± 0.009 χ^2/NDF : 331265.2/76

reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -11.867+/-0.195 χ^2/NDF :2411.6/21

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

Left In: -10.250+/-0.199 χ^2/NDF :1942.1/20

Left: -11.072+/-0.139 χ^2/NDF : 4387.4/42

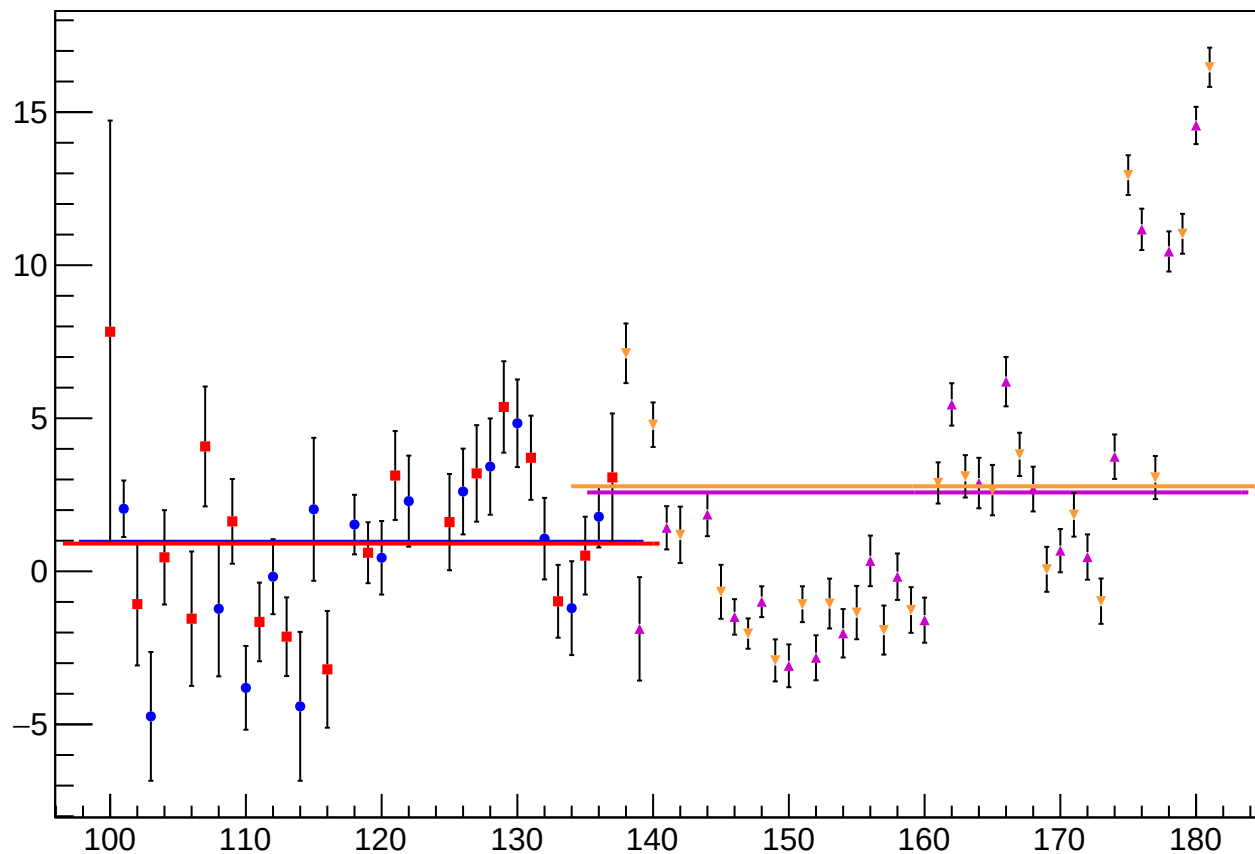
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -10.250+/-0.199 χ^2/NDF :1942.1/20

Out: -11.867+/-0.195 χ^2/NDF :2411.6/21

All: -11.072+/-0.139 χ^2/NDF : 4387.4/42

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: 2.778 ± 0.152 χ^2/NDF : 1265.9/21

Right Out: 0.906 ± 0.354 χ^2/NDF : 42.0/17

Left In: 2.577 ± 0.155 χ^2/NDF : 1065.6/20

Left: 2.679 ± 0.108 χ^2/NDF : 2332.4/42

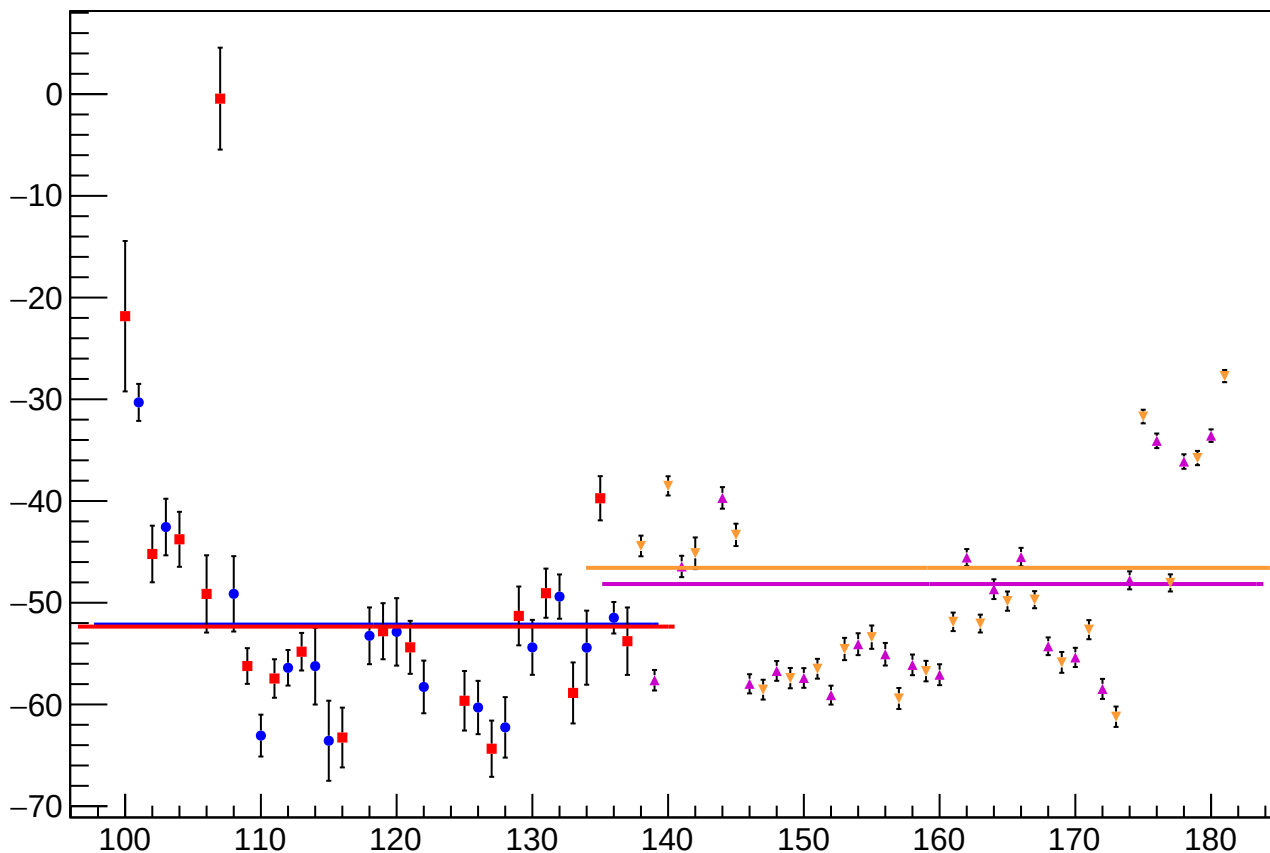
Right: 0.937 ± 0.244 χ^2/NDF : 84.9/33

In: 2.298 ± 0.141 χ^2/NDF : 1127.4/36

Out: 2.486 ± 0.140 χ^2/NDF : 1331.5/39

All: 2.393 ± 0.099 χ^2/NDF : 2459.8/76

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

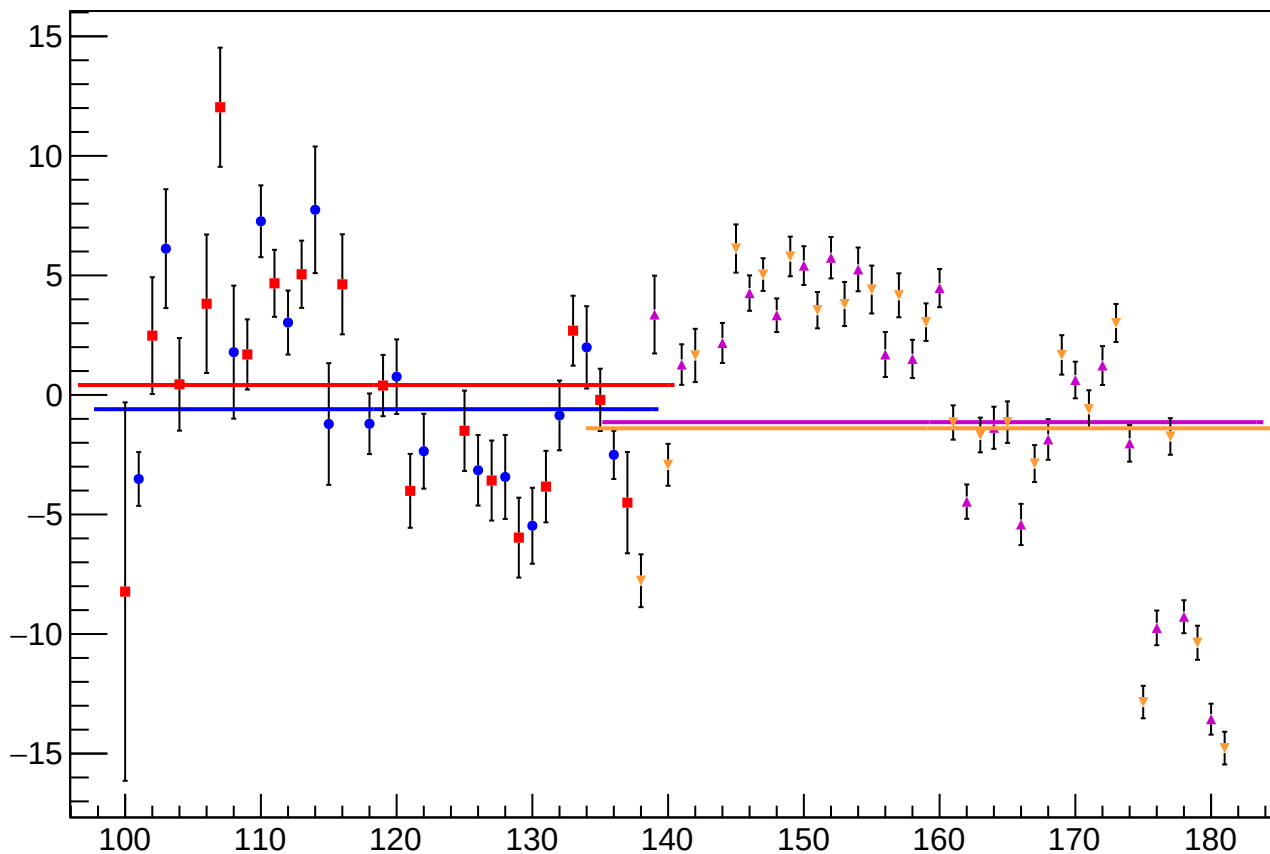


Right In: -52.148 ± 0.612 χ^2/NDF : 230.2/15
 Left Out: -46.568 ± 0.194 χ^2/NDF : 2958.3/21
 Right Out: -52.346 ± 0.616 χ^2/NDF : 235.7/17
 Left In: -48.161 ± 0.197 χ^2/NDF : 2241.2/20

Left: -47.354 ± 0.138 χ^2/NDF : 5232.6/42
 Right: -52.246 ± 0.434 χ^2/NDF : 466.0/33
 In: -48.535 ± 0.187 χ^2/NDF : 2509.9/36
 Out: -47.091 ± 0.185 χ^2/NDF : 3274.1/39

All: -47.804 ± 0.132 χ^2/NDF : 5814.0/76

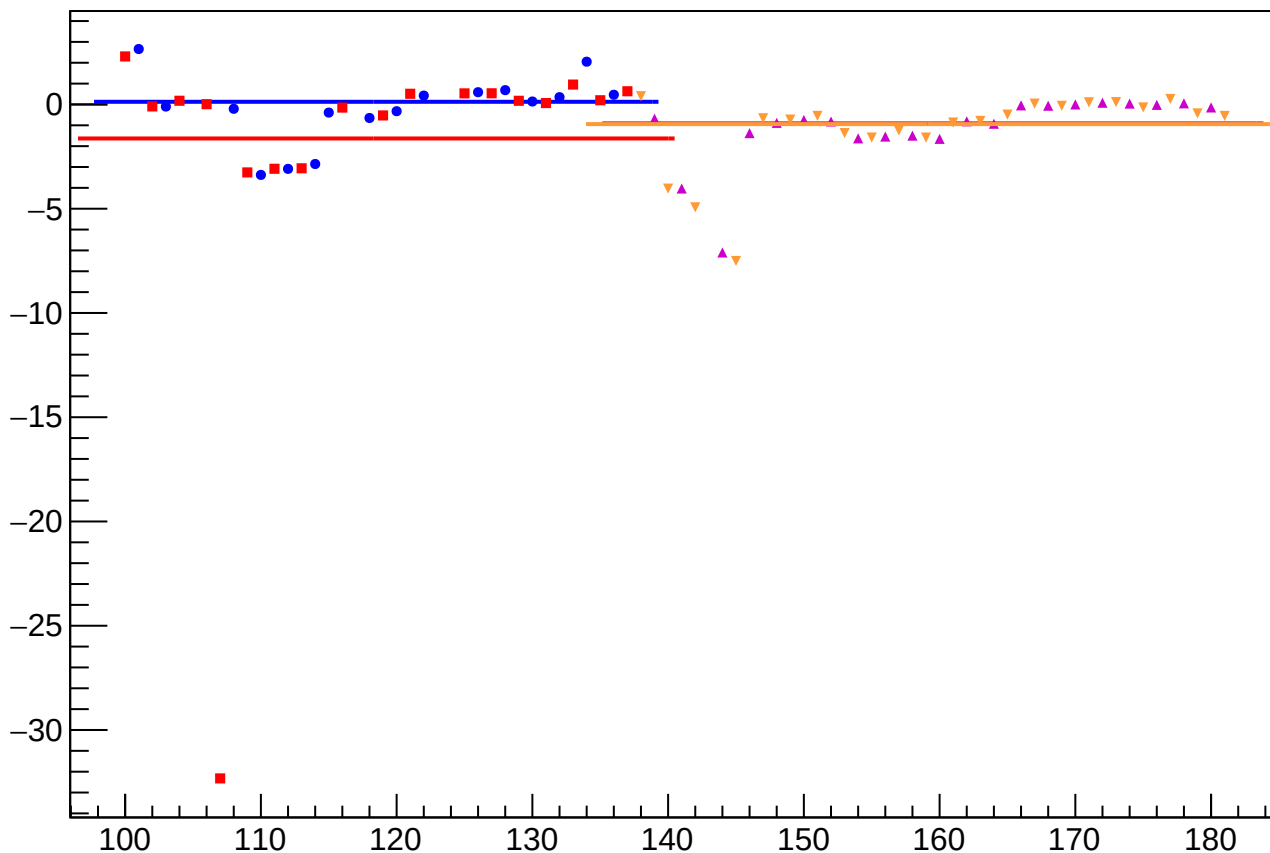
reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.596 ± 0.384 $\chi^2/\text{NDF}: 82.6/15$
 Left Out: -1.395 ± 0.172 $\chi^2/\text{NDF}: 1314.4/21$
 Right Out: 0.416 ± 0.400 $\chi^2/\text{NDF}: 95.8/17$
 Left In: -1.138 ± 0.175 $\chi^2/\text{NDF}: 1081.9/20$

Left: -1.269 ± 0.123 $\chi^2/\text{NDF}: 2397.4/42$
 Right: -0.111 ± 0.277 $\chi^2/\text{NDF}: 181.7/33$
 In: -1.045 ± 0.159 $\chi^2/\text{NDF}: 1166.1/36$
 Out: -1.111 ± 0.158 $\chi^2/\text{NDF}: 1427.5/39$
 All: -1.078 ± 0.112 $\chi^2/\text{NDF}: 2593.7/76$

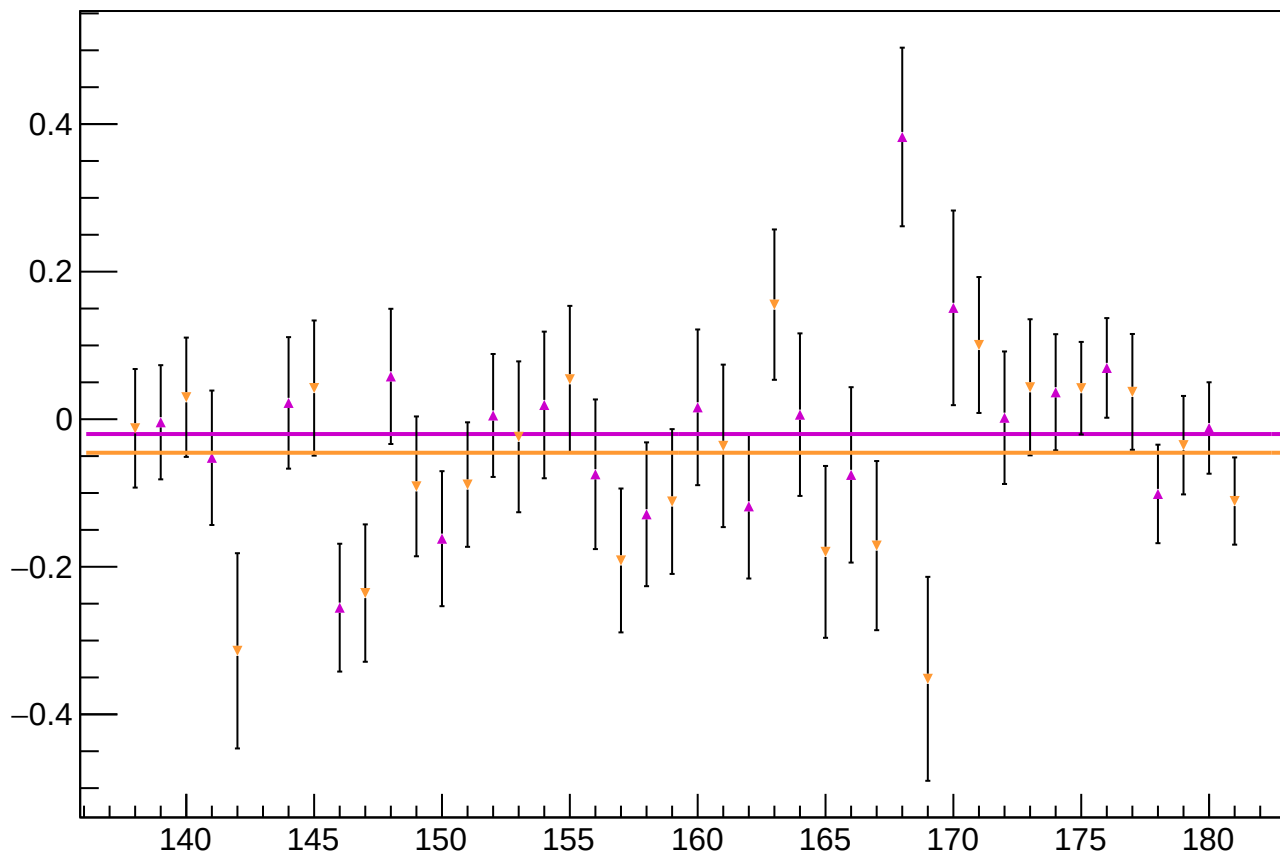
reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.128 ± 0.021 $\chi^2/\text{NDF}: 5252.9/15$
 Left Out: -0.943 ± 0.008 $\chi^2/\text{NDF}: 40724.0/21$
 Right Out: -1.631 ± 0.022 $\chi^2/\text{NDF}: 77878.6/17$
 Left In: -0.906 ± 0.008 $\chi^2/\text{NDF}: 30581.8/20$

Left: -0.925 ± 0.006 $\chi^2/\text{NDF}: 71316.1/42$
 Right: -0.739 ± 0.015 $\chi^2/\text{NDF}: 86433.1/33$
 In: -0.782 ± 0.007 $\chi^2/\text{NDF}: 37872.6/36$
 Out: -1.023 ± 0.007 $\chi^2/\text{NDF}: 119483.8/39$
 All: -0.903 ± 0.005 $\chi^2/\text{NDF}: 157878.6/76$

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: -0.045 $\pm$ 0.019 χ^2 /NDF:33.6/21

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

Left In: -0.020 $\pm$ 0.019 χ^2 /NDF:30.7/20

Left: -0.033 $\pm$ 0.013 χ^2 /NDF: 65.1/42

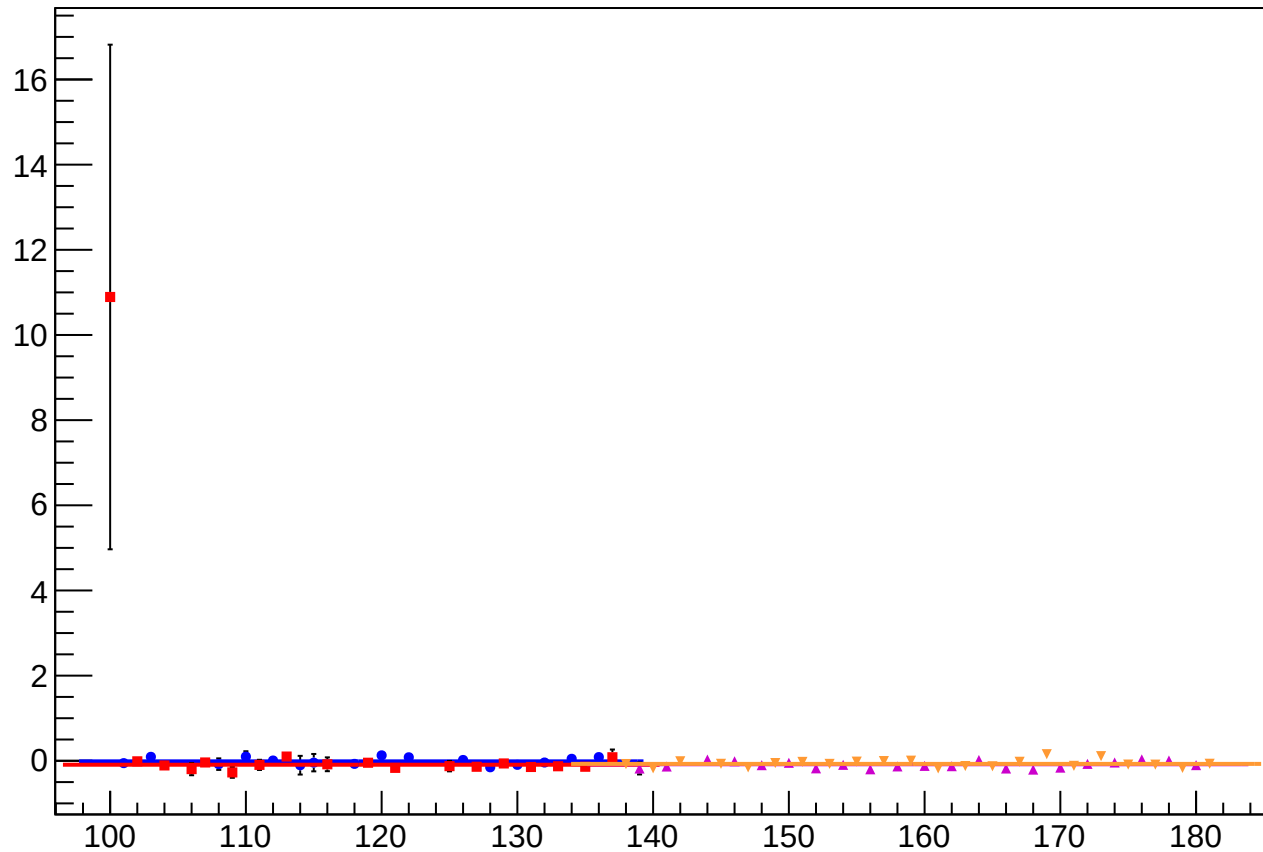
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.020 $\pm$ 0.019 χ^2 /NDF:30.7/20

Out: -0.045 $\pm$ 0.019 χ^2 /NDF:33.6/21

All: -0.033 $\pm$ 0.013 χ^2 /NDF: 65.1/42

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.013 $\pm$ 0.023 χ^2 /NDF: 12.2/15

Left Out: -0.073 $\pm$ 0.015 χ^2 /NDF: 27.8/21

Right Out: -0.092 $\pm$ 0.025 χ^2 /NDF: 12.7/17

Left In: -0.081 $\pm$ 0.015 χ^2 /NDF: 22.9/20

Left: -0.077 $\pm$ 0.010 χ^2 /NDF: 50.8/42

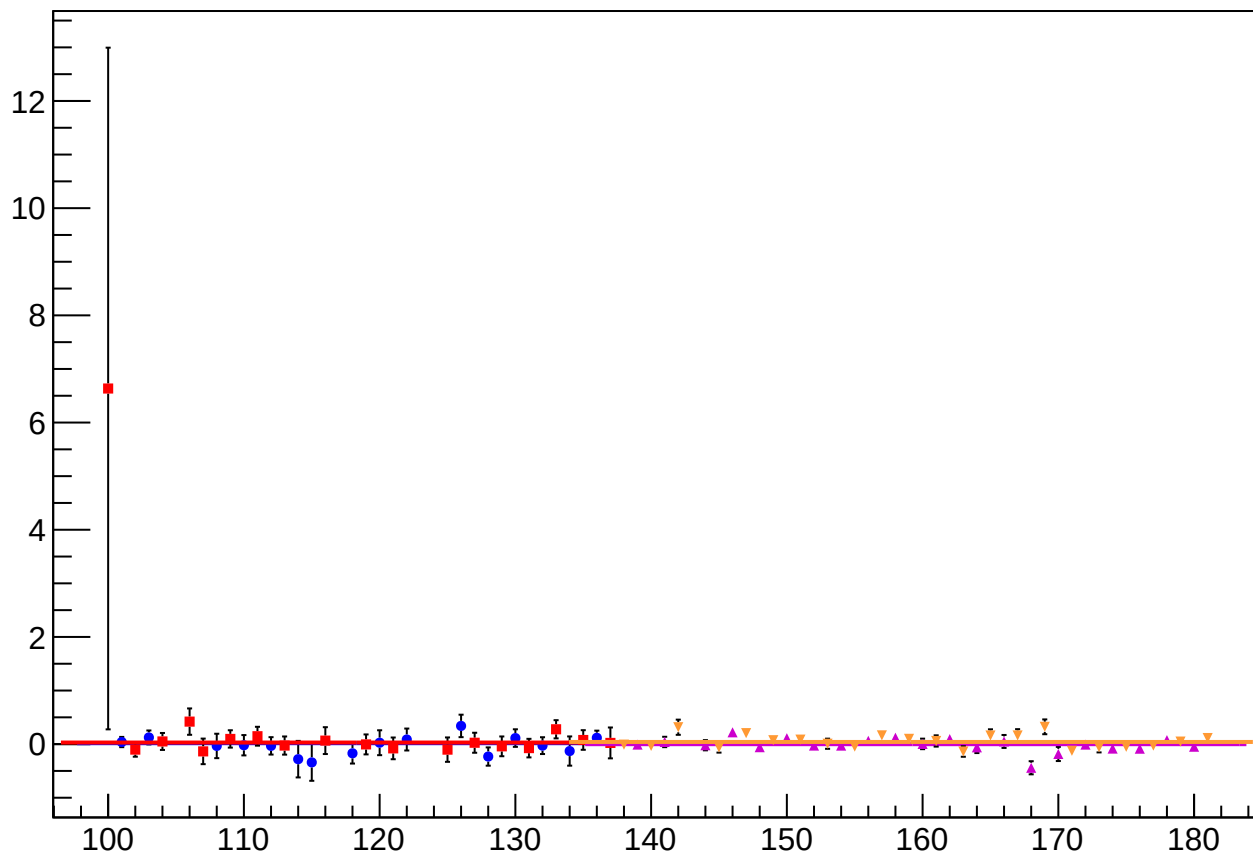
Right: -0.050 $\pm$ 0.017 χ^2 /NDF: 30.3/33

In: -0.062 $\pm$ 0.013 χ^2 /NDF: 41.2/36

Out: -0.078 $\pm$ 0.013 χ^2 /NDF: 40.9/39

All: -0.070 $\pm$ 0.009 χ^2 /NDF: 83.0/76

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.017+/-0.043 χ^2/NDF : 9.6/15

Left Out: 0.041+/-0.019 χ^2/NDF :31.4/21

Right Out: 0.030+/-0.045 χ^2/NDF : 9.2/17

Left In: -0.001+/-0.019 χ^2/NDF :32.6/20

Left: 0.020+/-0.013 χ^2/NDF : 66.4/42

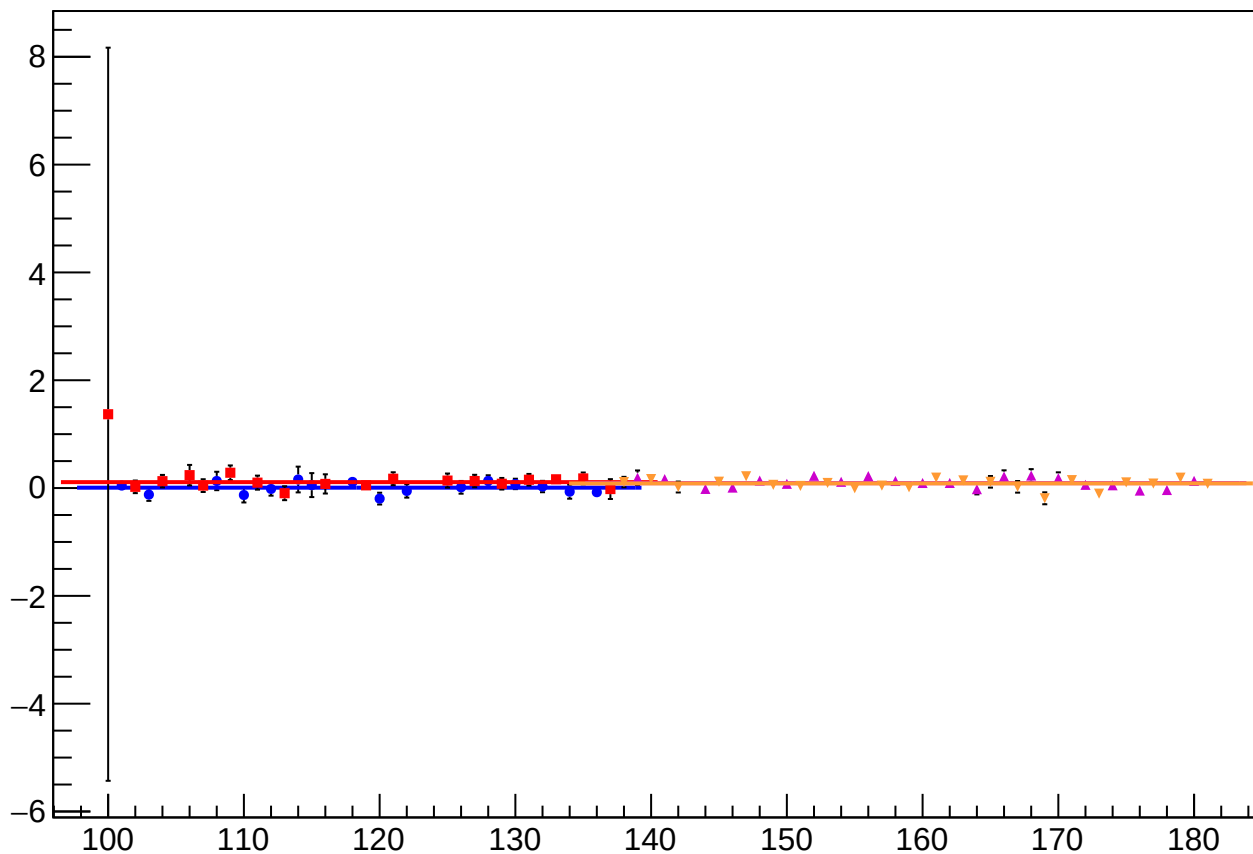
Right: 0.023+/-0.031 χ^2/NDF : 18.9/33

In: 0.002+/-0.017 χ^2/NDF :42.4/36

Out: 0.039+/-0.017 χ^2/NDF :40.6/39

All: 0.021+/-0.012 χ^2/NDF : 85.3/76

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: 0.086 $\pm$ 0.017 χ^2 /NDF: 27.7/21

Right Out: 0.110 $\pm$ 0.029 χ^2 /NDF: 8.0/17

Left In: 0.091 $\pm$ 0.017 χ^2 /NDF: 25.8/20

Left: 0.089 $\pm$ 0.012 χ^2 /NDF: 53.5/42

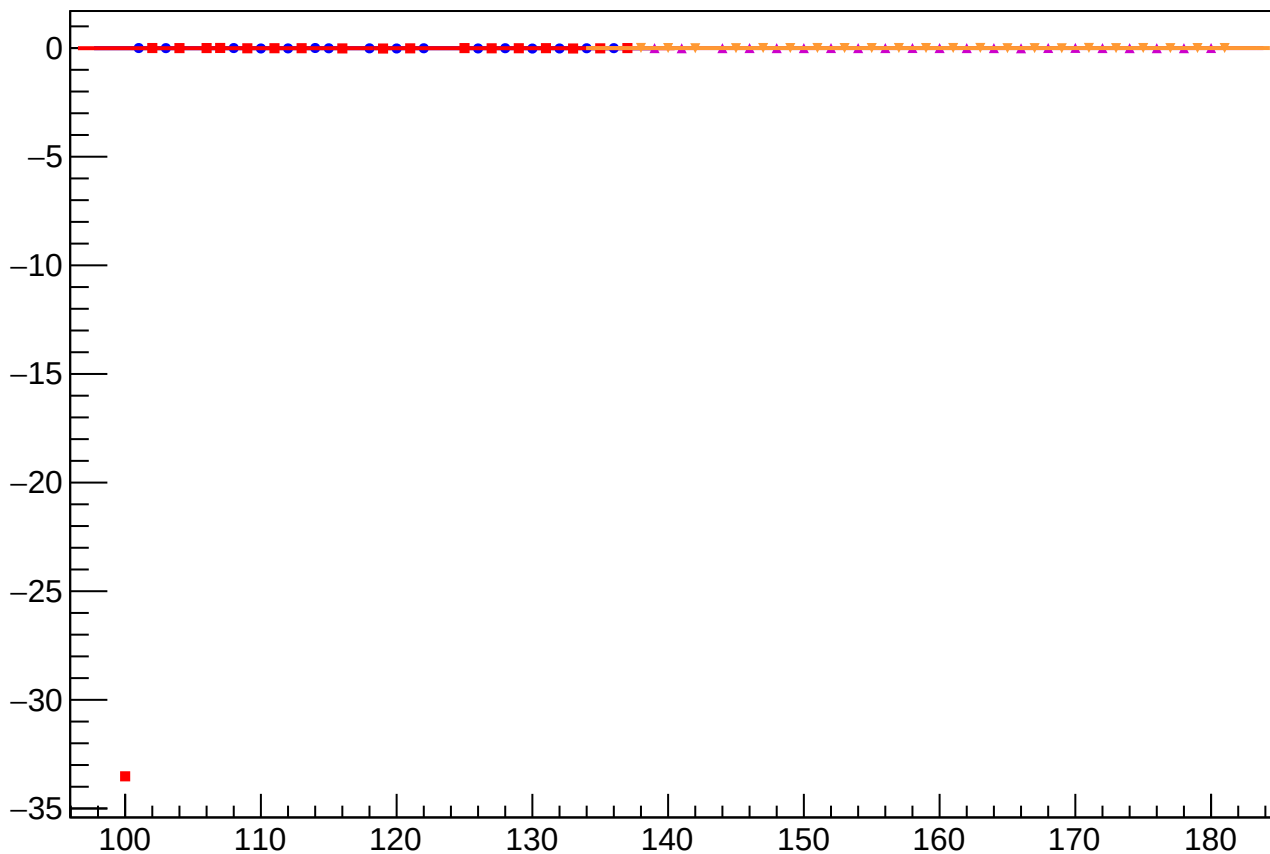
Right: 0.055 $\pm$ 0.020 χ^2 /NDF: 27.0/33

In: 0.067 $\pm$ 0.014 χ^2 /NDF: 44.9/36

Out: 0.092 $\pm$ 0.014 χ^2 /NDF: 36.2/39

All: 0.080 $\pm$ 0.010 χ^2 /NDF: 82.6/76

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005 ± 0.001 χ^2/NDF : 22.6/15

Left Out: 0.001 ± 0.001 χ^2/NDF : 20.4/21

Right Out: -0.006 ± 0.001 χ^2/NDF : 26508.9/17

Left In: 0.000 ± 0.001 χ^2/NDF : 20.5/20

Left: 0.000 ± 0.001 χ^2/NDF : 41.3/42

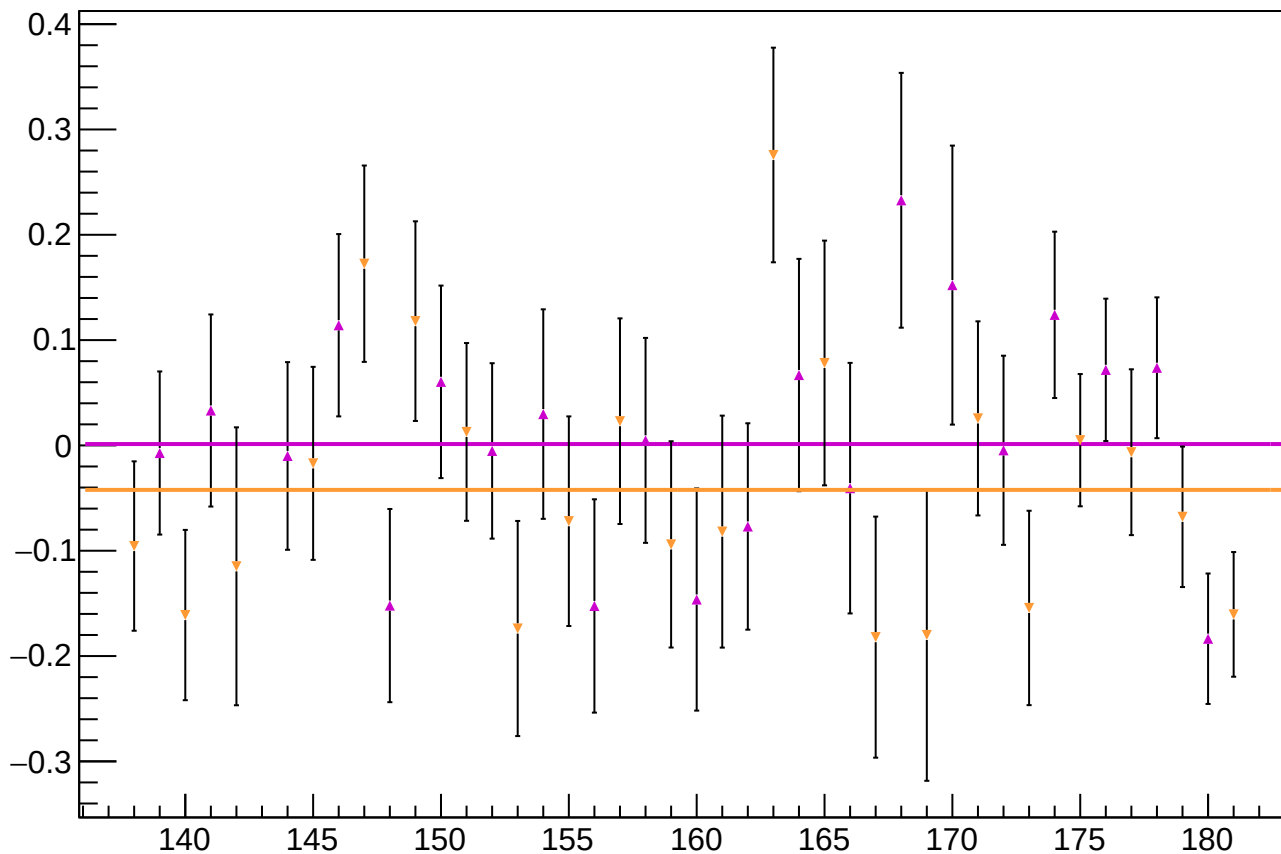
Right: -0.006 ± 0.001 χ^2/NDF : 26531.6/33

In: -0.001 ± 0.001 χ^2/NDF : 54.5/36

Out: -0.001 ± 0.001 χ^2/NDF : 26545.7/39

All: -0.001 ± 0.000 χ^2/NDF : 26600.4/76

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: -0.042 $\pm$ 0.019 χ^2 /NDF:34.4/21

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

Left In: 0.001 $\pm$ 0.019 χ^2 /NDF:29.1/20

Left: -0.021 $\pm$ 0.013 χ^2 /NDF: 66.1/42

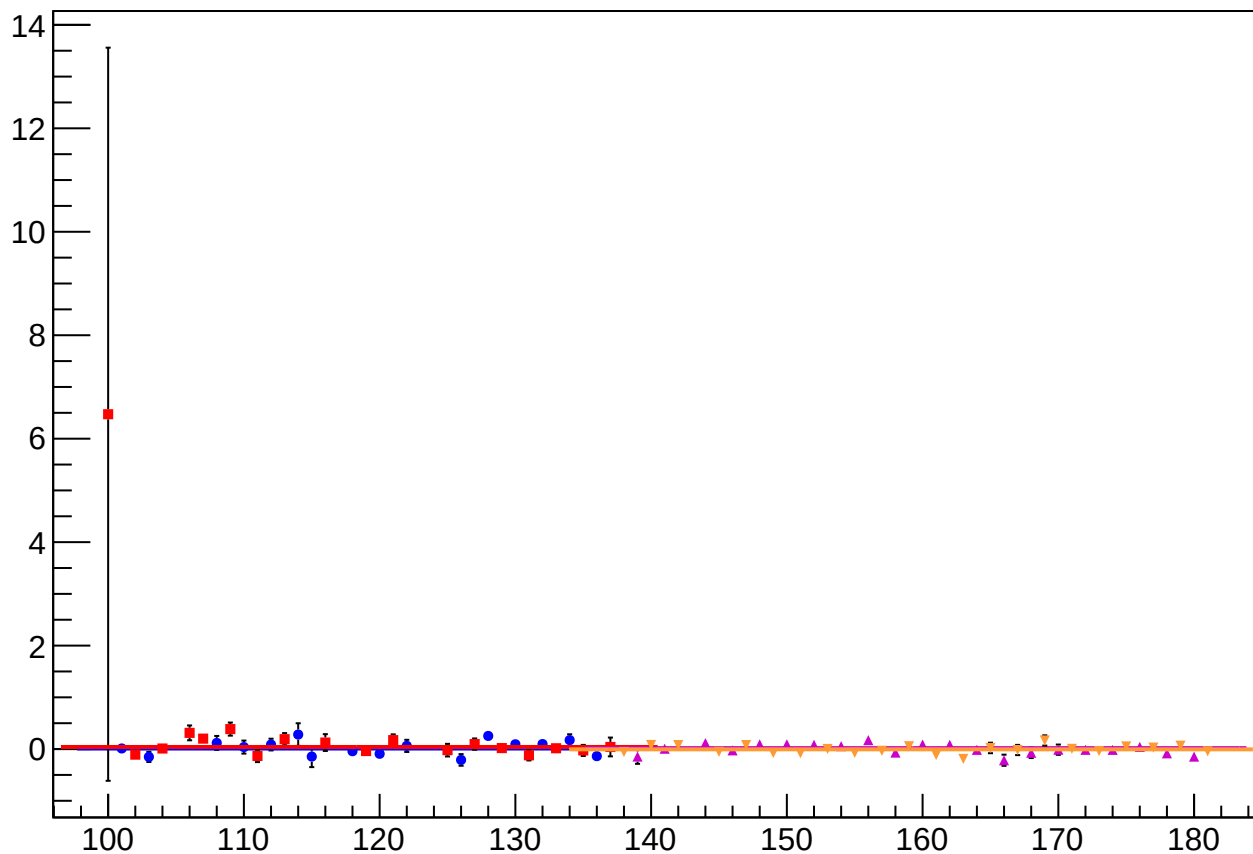
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 0.001 $\pm$ 0.019 χ^2 /NDF:29.1/20

Out: -0.042 $\pm$ 0.019 χ^2 /NDF:34.4/21

All: -0.021 $\pm$ 0.013 χ^2 /NDF: 66.1/42

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: -0.005 $\pm$ 0.015 χ^2 /NDF:26.2/21

Right Out: 0.040 $\pm$ 0.025 χ^2 /NDF: 27.9/17

Left In: 0.018 $\pm$ 0.015 χ^2 /NDF:34.3/20

Left: 0.006 $\pm$ 0.010 χ^2 /NDF: 61.7/42

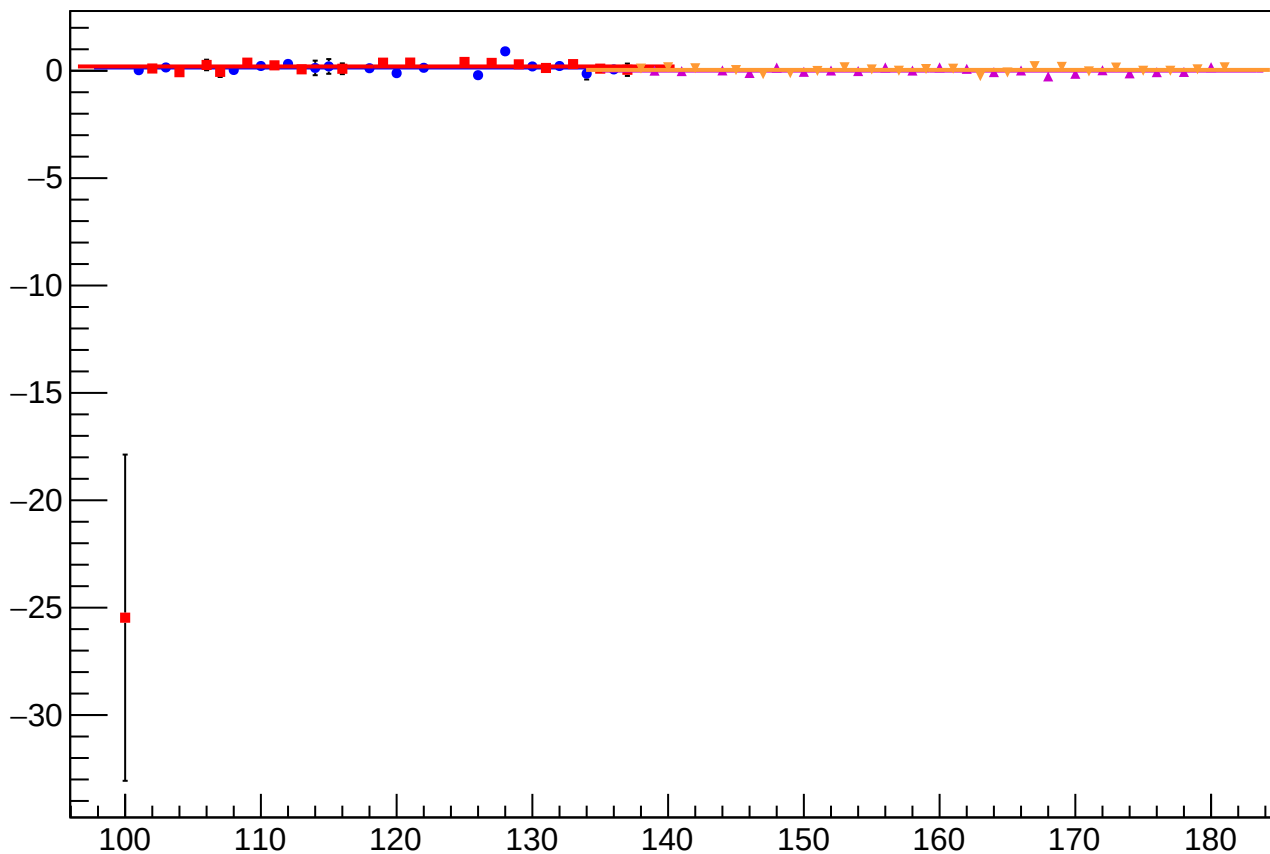
Right: 0.024 $\pm$ 0.017 χ^2 /NDF: 54.1/33

In: 0.016 $\pm$ 0.013 χ^2 /NDF:59.8/36

Out: 0.006 $\pm$ 0.013 χ^2 /NDF:56.6/39

All: 0.011 $\pm$ 0.009 χ^2 /NDF: 116.7/76

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: 0.040 $\pm$ 0.019 χ^2 /NDF:33.1/21

Right Out: 0.200 $\pm$ 0.045 χ^2 /NDF: 22.9/17

Left In: 0.008 $\pm$ 0.019 χ^2 /NDF:28.2/20

Left: 0.024 $\pm$ 0.013 χ^2 /NDF: 62.8/42

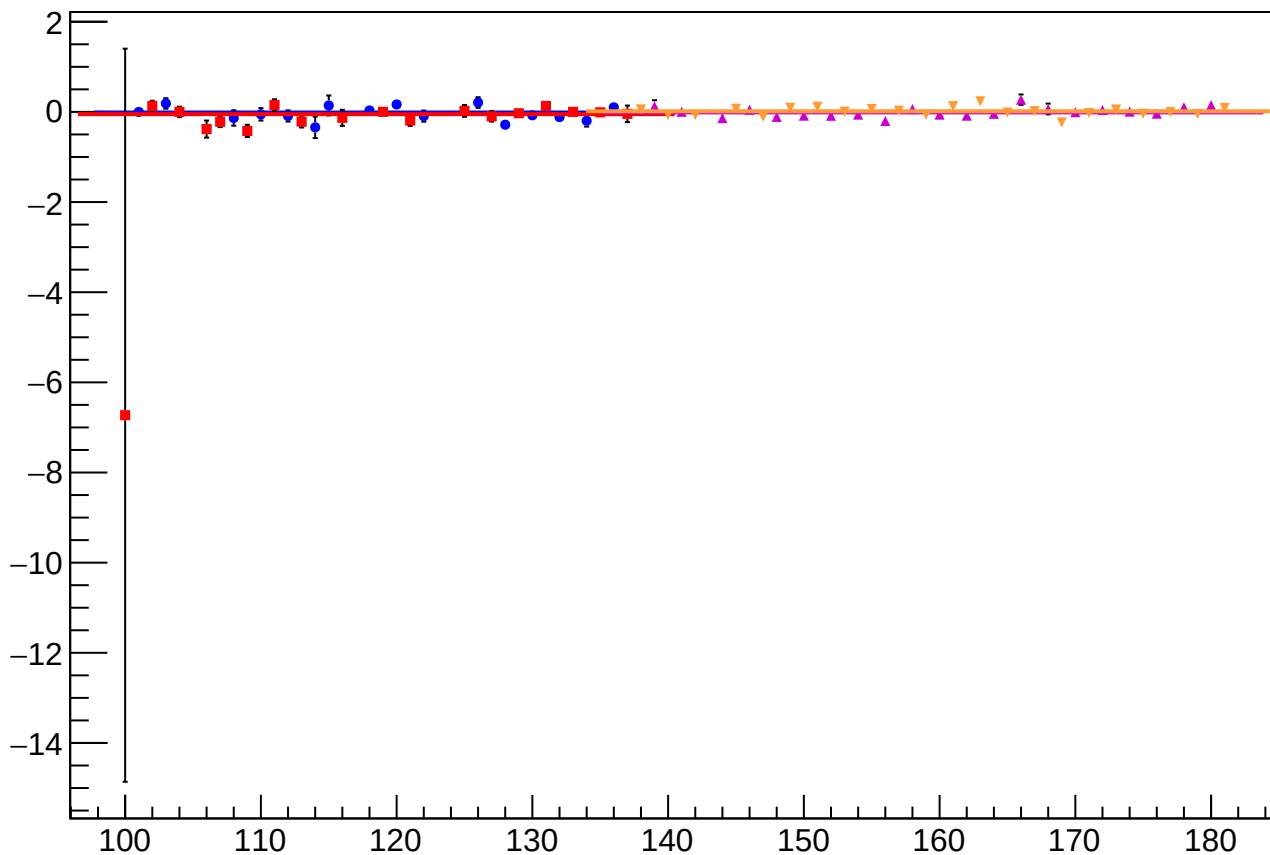
Right: 0.175 $\pm$ 0.031 χ^2 /NDF: 52.2/33

In: 0.031 $\pm$ 0.017 χ^2 /NDF:66.4/36

Out: 0.064 $\pm$ 0.017 χ^2 /NDF:66.9/39

All: 0.048 $\pm$ 0.012 χ^2 /NDF: 135.0/76

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: 0.014 ± 0.017 χ^2/NDF : 29.0/21

Right Out: -0.050 ± 0.029 χ^2/NDF : 25.7/17

Left In: -0.011 ± 0.017 χ^2/NDF : 34.0/20

Left: 0.002 ± 0.012 χ^2/NDF : 64.0/42

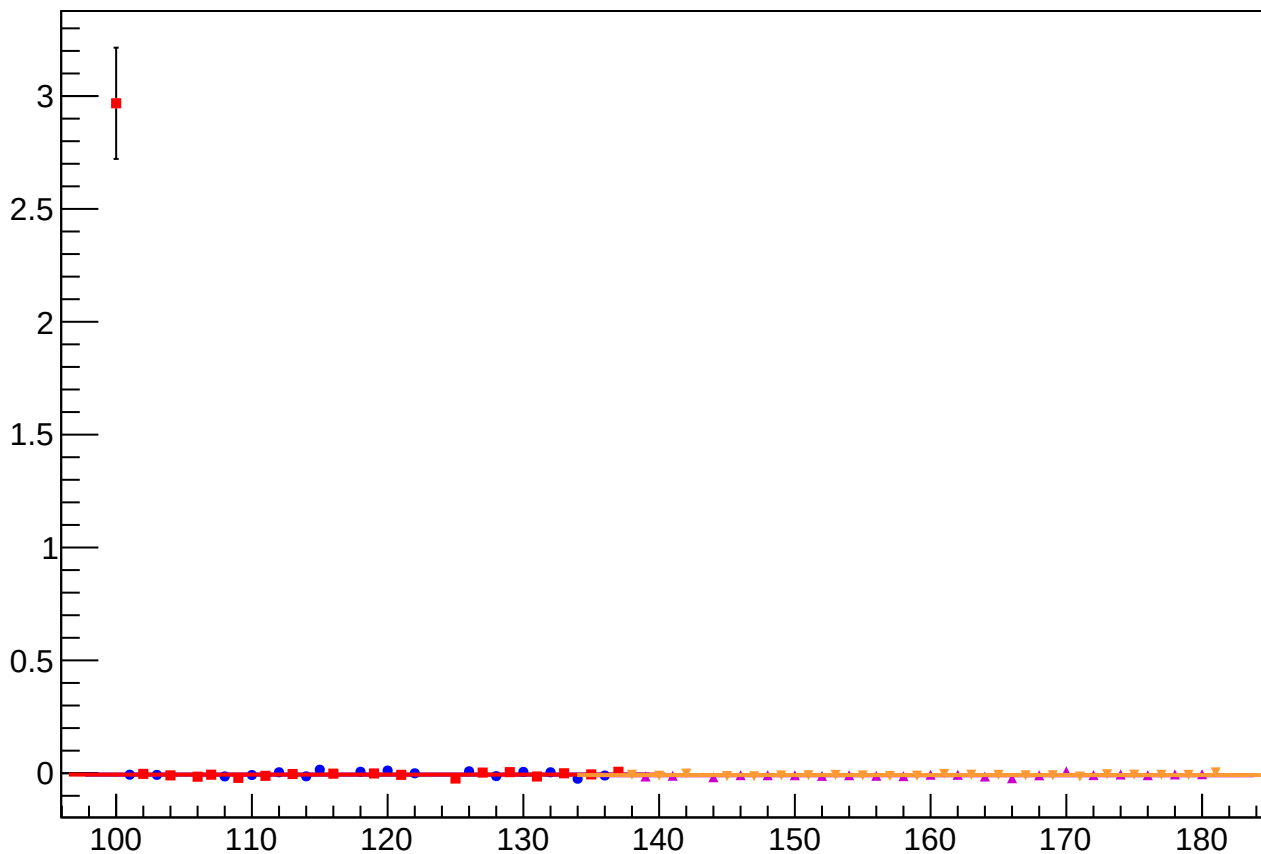
Right: -0.031 ± 0.020 χ^2/NDF : 51.8/33

In: -0.012 ± 0.014 χ^2/NDF : 59.1/36

Out: -0.002 ± 0.014 χ^2/NDF : 58.5/39

All: -0.007 ± 0.010 χ^2/NDF : 117.8/76

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006 ± 0.001 χ^2/NDF : 29.0/15

Left Out: -0.008 ± 0.001 χ^2/NDF : 29.7/21

Right Out: -0.006 ± 0.001 χ^2/NDF : 165.9/17

Left In: -0.009 ± 0.001 χ^2/NDF : 37.1/20

Left: -0.009 ± 0.001 χ^2/NDF : 67.7/42

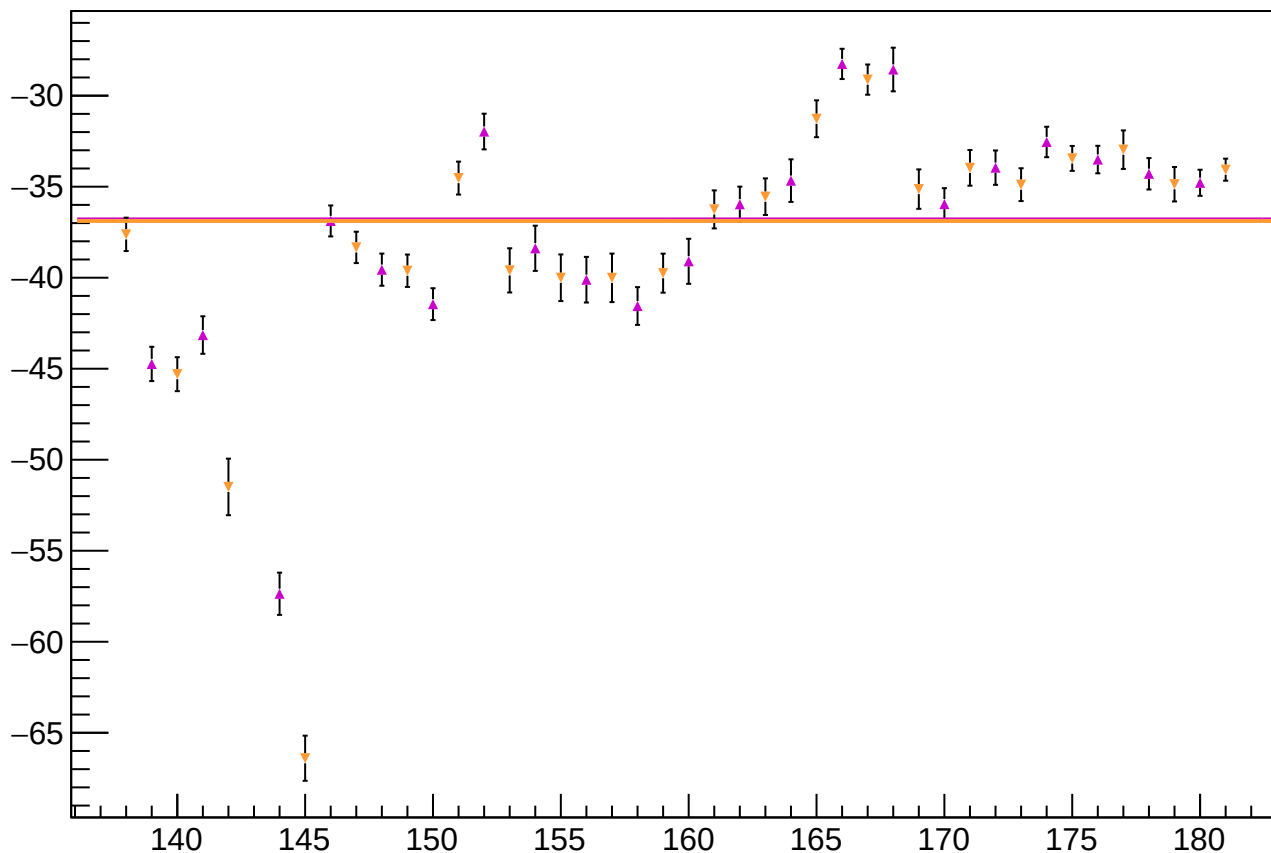
Right: -0.006 ± 0.001 χ^2/NDF : 194.8/33

In: -0.008 ± 0.001 χ^2/NDF : 69.6/36

Out: -0.008 ± 0.001 χ^2/NDF : 197.1/39

All: -0.008 ± 0.000 χ^2/NDF : 267.4/76

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: -36.881+/-0.203 χ^2/NDF :981.9/21

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

Left In: -36.799+/-0.206 χ^2/NDF :746.4/20

Left: -36.841+/-0.145 χ^2/NDF : 1728.4/42

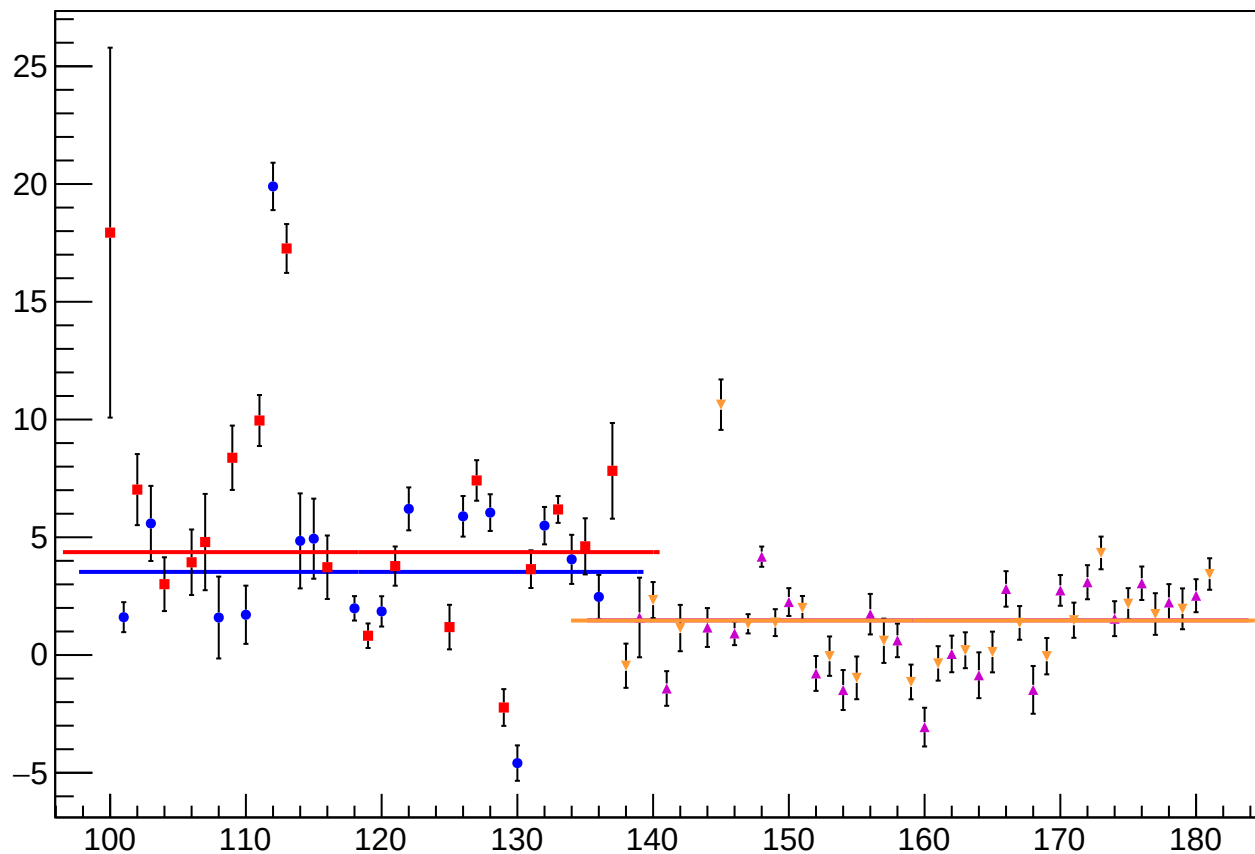
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -36.799+/-0.206 χ^2/NDF :746.4/20

Out: -36.881+/-0.203 χ^2/NDF :981.9/21

All: -36.841+/-0.145 χ^2/NDF : 1728.4/42

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: 1.465 $\pm$ 0.153 χ^2 /NDF:146.5/21

Right Out: 4.370 $\pm$ 0.225 χ^2 /NDF: 353.8/17

Left In: 1.473 $\pm$ 0.156 χ^2 /NDF:149.3/20

Left: 1.469 $\pm$ 0.109 χ^2 /NDF: 295.8/42

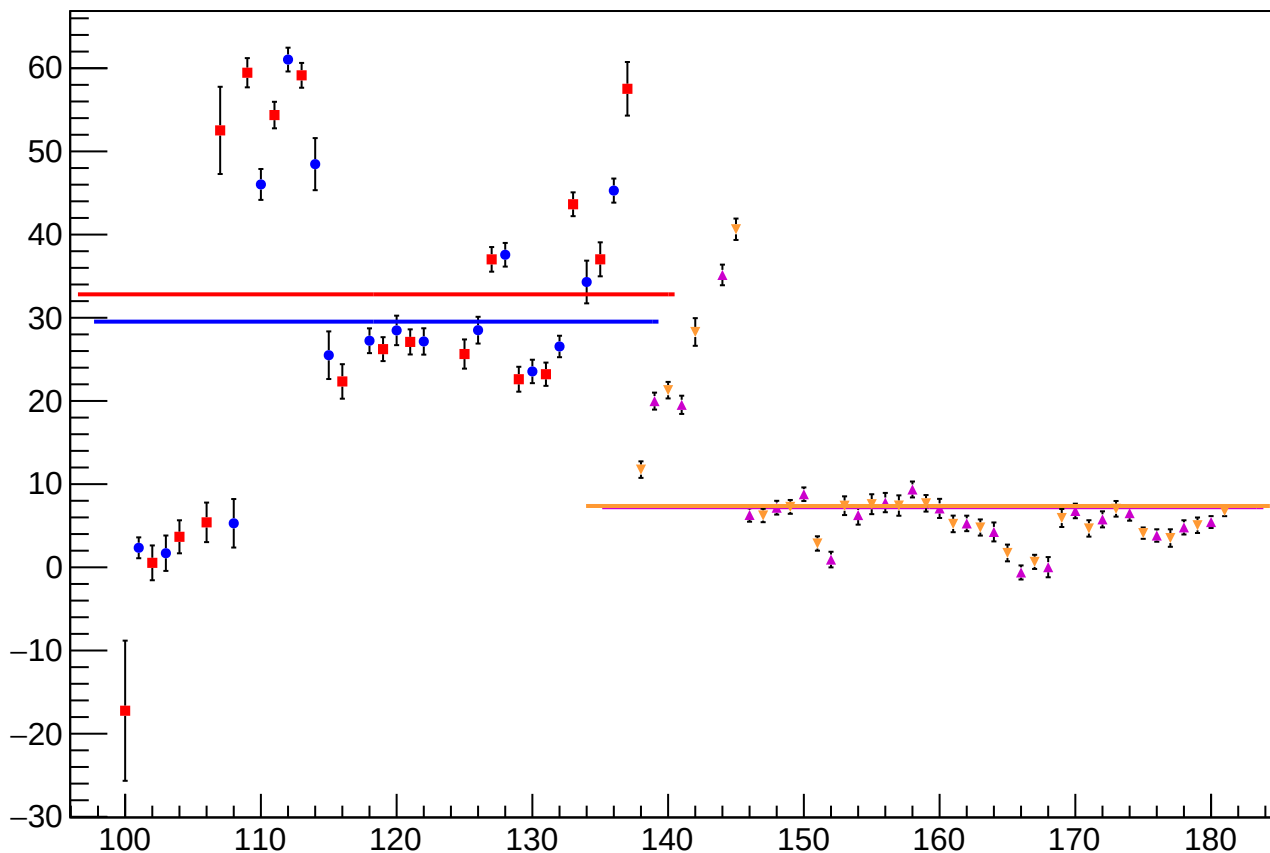
Right: 3.934 $\pm$ 0.156 χ^2 /NDF: 807.6/33

In: 2.171 $\pm$ 0.127 χ^2 /NDF:655.0/36

Out: 2.379 $\pm$ 0.126 χ^2 /NDF:614.1/39

All: 2.275 $\pm$ 0.089 χ^2 /NDF: 1270.5/76

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: 7.374 $\pm$ 0.201 χ^2/NDF : 1230.6/21

Right Out: 32.816 $\pm$ 0.423 χ^2/NDF : 1659.3/17

Left In: 7.226 $\pm$ 0.204 χ^2/NDF : 1014.8/20

Left: 7.301 $\pm$ 0.143 χ^2/NDF : 2245.6/42

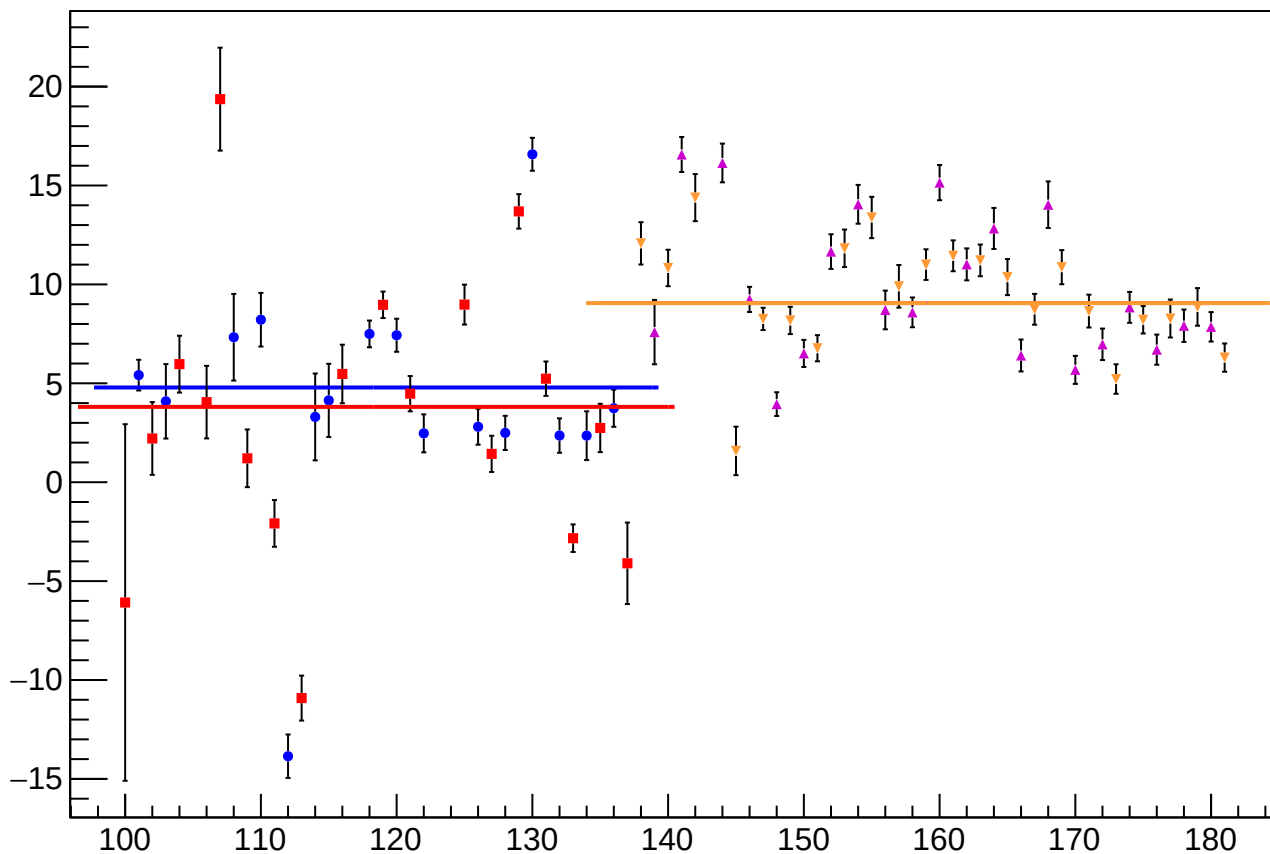
Right: 31.152 $\pm$ 0.297 χ^2/NDF : 3184.7/33

In: 11.531 $\pm$ 0.183 χ^2/NDF : 4822.2/36

Out: 12.078 $\pm$ 0.182 χ^2/NDF : 5840.8/39

All: 11.806 $\pm$ 0.129 χ^2/NDF : 10667.5/76

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.789 $\pm$ 0.251 χ^2 /NDF: 553.9/15

Left Out: 9.056 $\pm$ 0.176 χ^2 /NDF:184.3/21

Right Out: 3.809 $\pm$ 0.259 χ^2 /NDF: 567.6/17

Left In: 9.057 $\pm$ 0.178 χ^2 /NDF:385.2/20

Left: 9.057 $\pm$ 0.125 χ^2 /NDF: 569.4/42

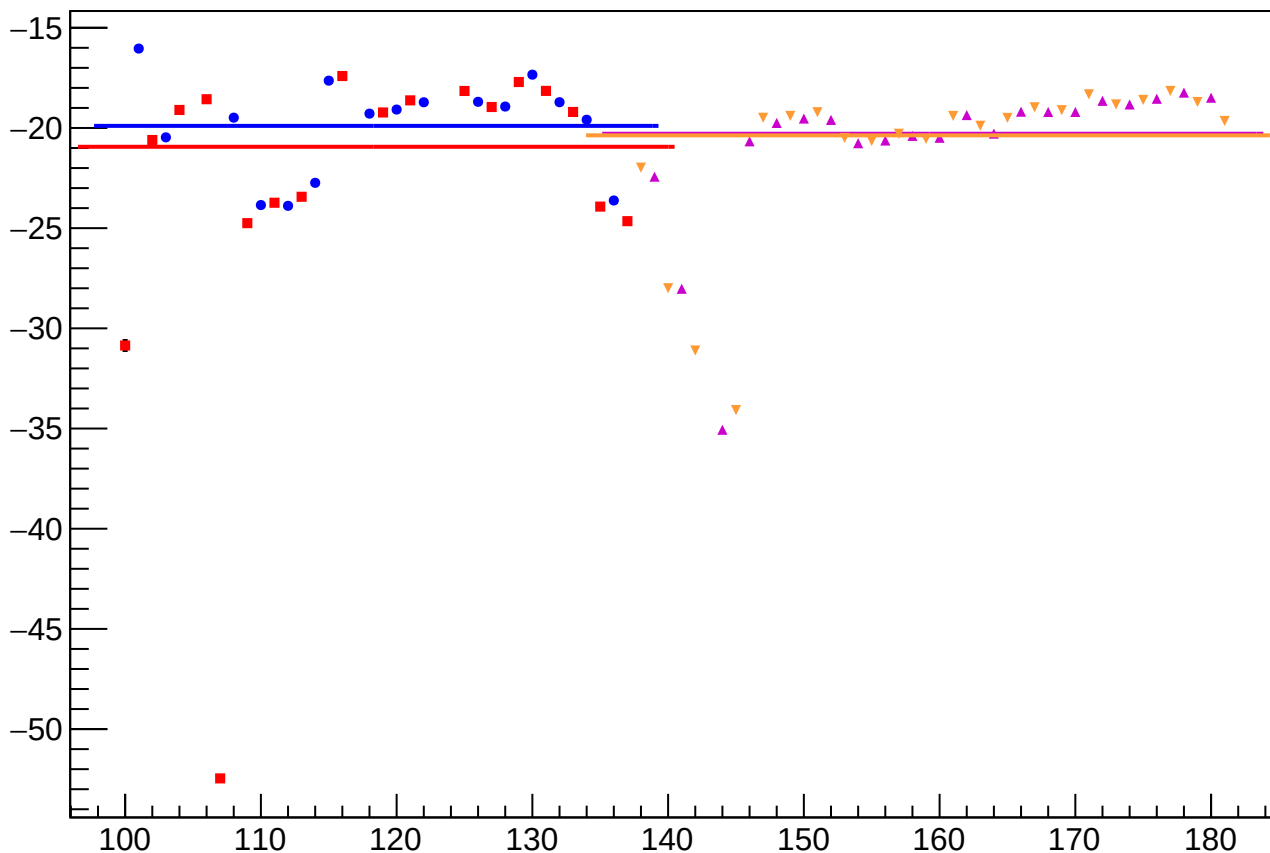
Right: 4.313 $\pm$ 0.180 χ^2 /NDF: 1128.9/33

In: 7.627 $\pm$ 0.145 χ^2 /NDF:1131.1/36

Out: 7.402 $\pm$ 0.145 χ^2 /NDF:1033.2/39

All: 7.515 $\pm$ 0.103 χ^2 /NDF: 2165.5/76

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: -20.367 ± 0.008 χ^2/NDF : 150368.3/21

Right Out: -20.938 ± 0.016 χ^2/NDF : 94065.2/17

Left In: -20.288 ± 0.008 χ^2/NDF : 124462.0/20

Left: -20.327 ± 0.006 χ^2/NDF : 274875.9/42

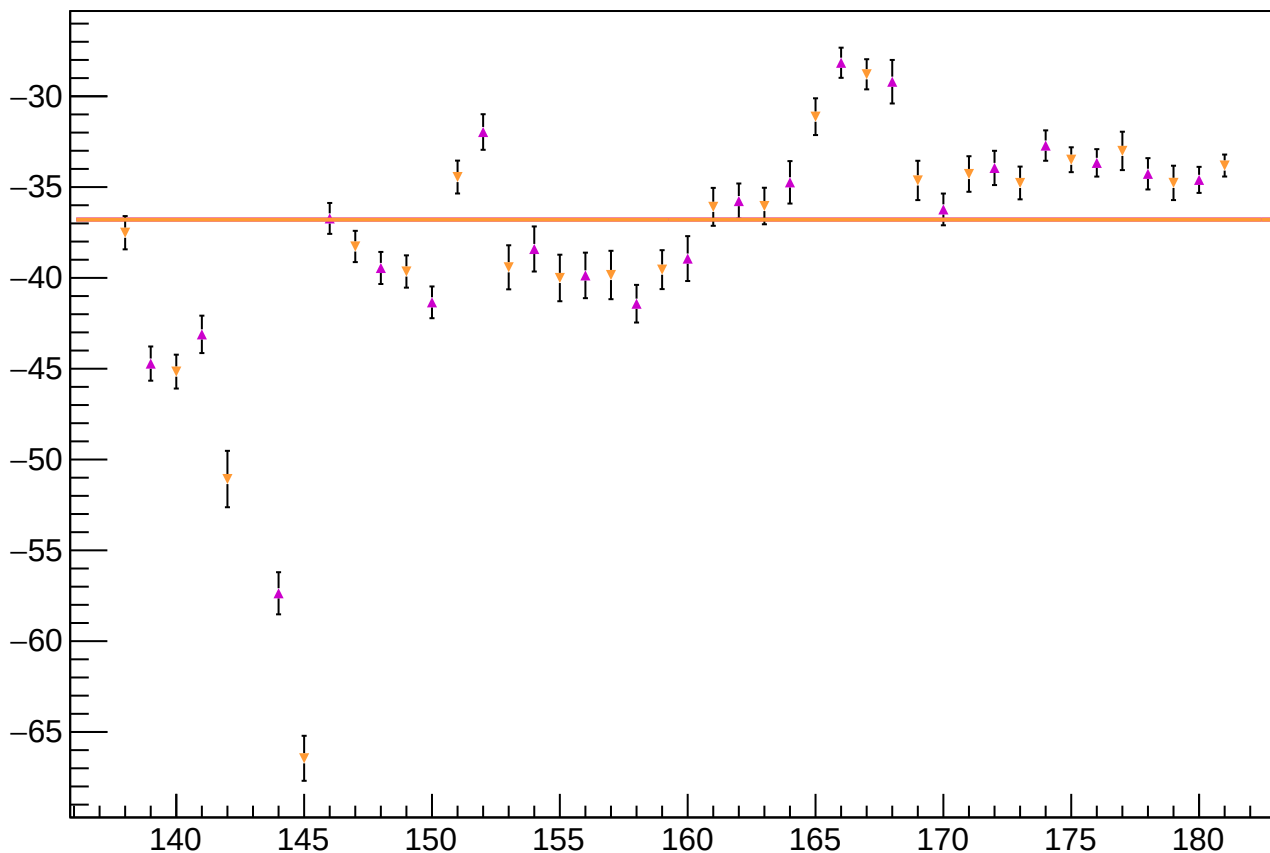
Right: -20.412 ± 0.011 χ^2/NDF : 122364.1/33

In: -20.202 ± 0.007 χ^2/NDF : 151033.8/36

Out: -20.491 ± 0.007 χ^2/NDF : 245469.6/39

All: -20.346 ± 0.005 χ^2/NDF : 397285.9/76

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: -36.793+/-0.203 χ^2/NDF : 987.5/21

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

Left In: -36.786+/-0.206 χ^2/NDF : 735.0/20

Left: -36.790+/-0.145 χ^2/NDF : 1722.5/42

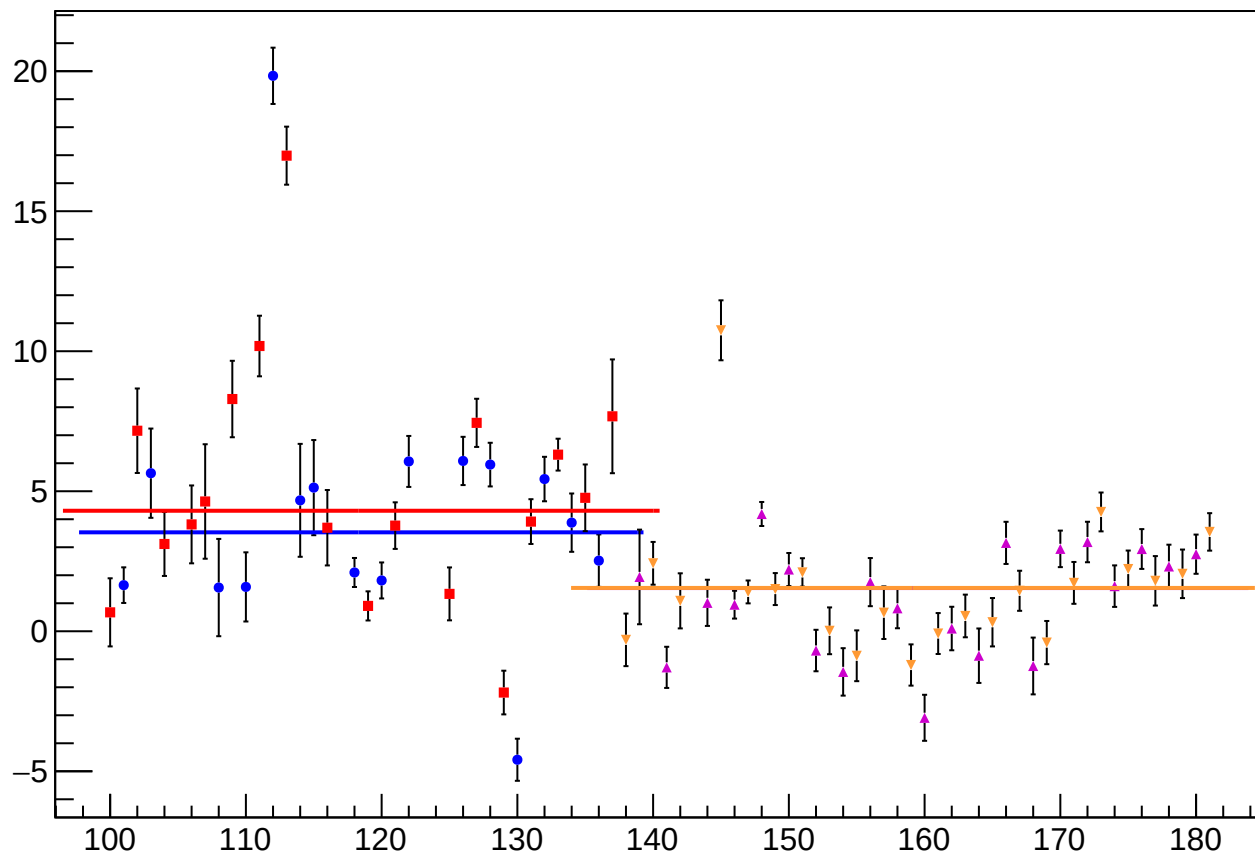
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -36.786+/-0.206 χ^2/NDF : 735.0/20

Out: -36.793+/-0.203 χ^2/NDF : 987.5/21

All: -36.790+/-0.145 χ^2/NDF : 1722.5/42

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.532 ± 0.217 χ^2/NDF : 443.2/15

Left Out: 1.547 ± 0.153 χ^2/NDF : 146.8/21

Right Out: 4.303 ± 0.222 χ^2/NDF : 352.8/17

Left In: 1.543 ± 0.156 χ^2/NDF : 149.9/20

Left: 1.545 ± 0.109 χ^2/NDF : 296.7/42

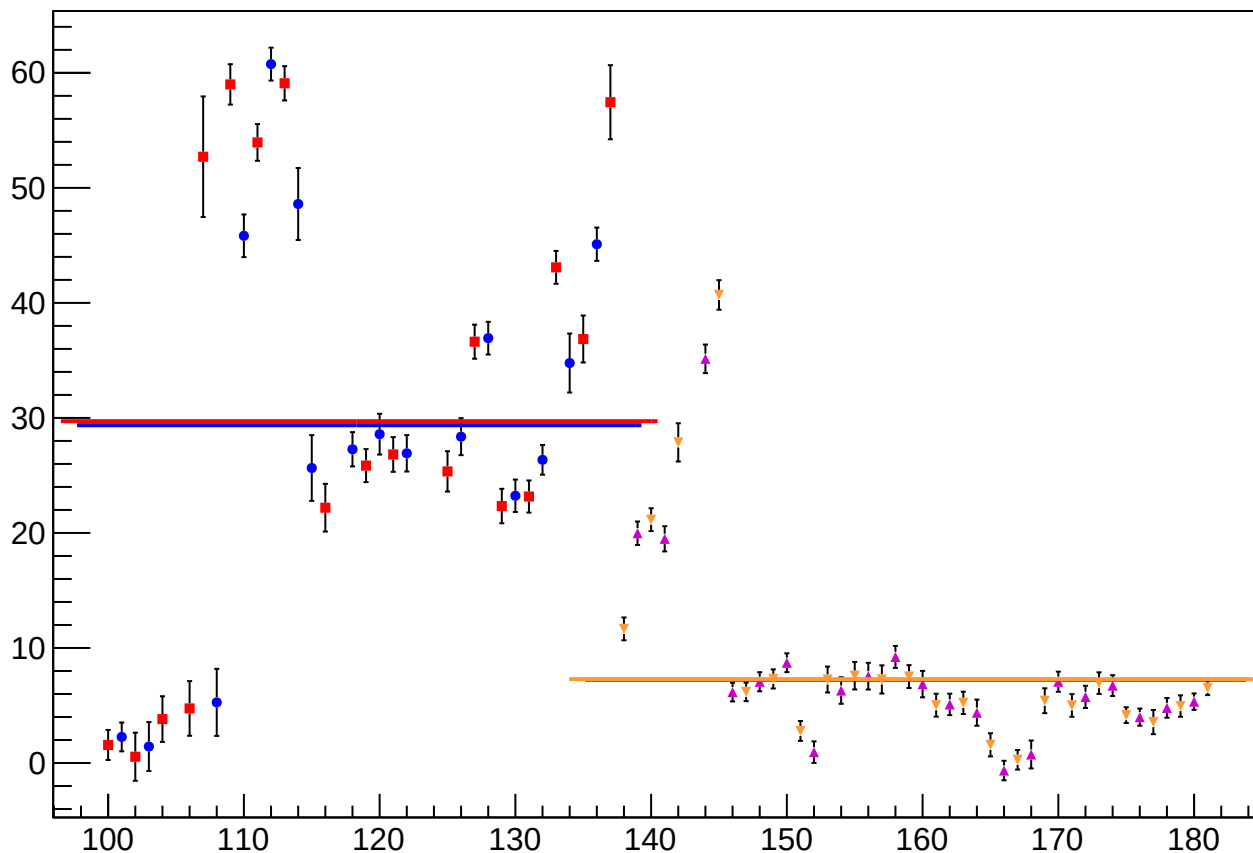
Right: 3.910 ± 0.155 χ^2/NDF : 802.2/33

In: 2.218 ± 0.127 χ^2/NDF : 648.5/36

Out: 2.434 ± 0.126 χ^2/NDF : 604.6/39

All: 2.327 ± 0.089 χ^2/NDF : 1254.6/76

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.367 $\pm$ 0.416 χ^2 /NDF: 1488.7/15

Left Out: 7.290 $\pm$ 0.201 χ^2 /NDF:1231.9/21

Right Out: 29.719 $\pm$ 0.402 χ^2 /NDF: 2129.5/17

Left In: 7.226 $\pm$ 0.204 χ^2 /NDF:1006.8/20

Left: 7.259 $\pm$ 0.143 χ^2 /NDF: 2238.7/42

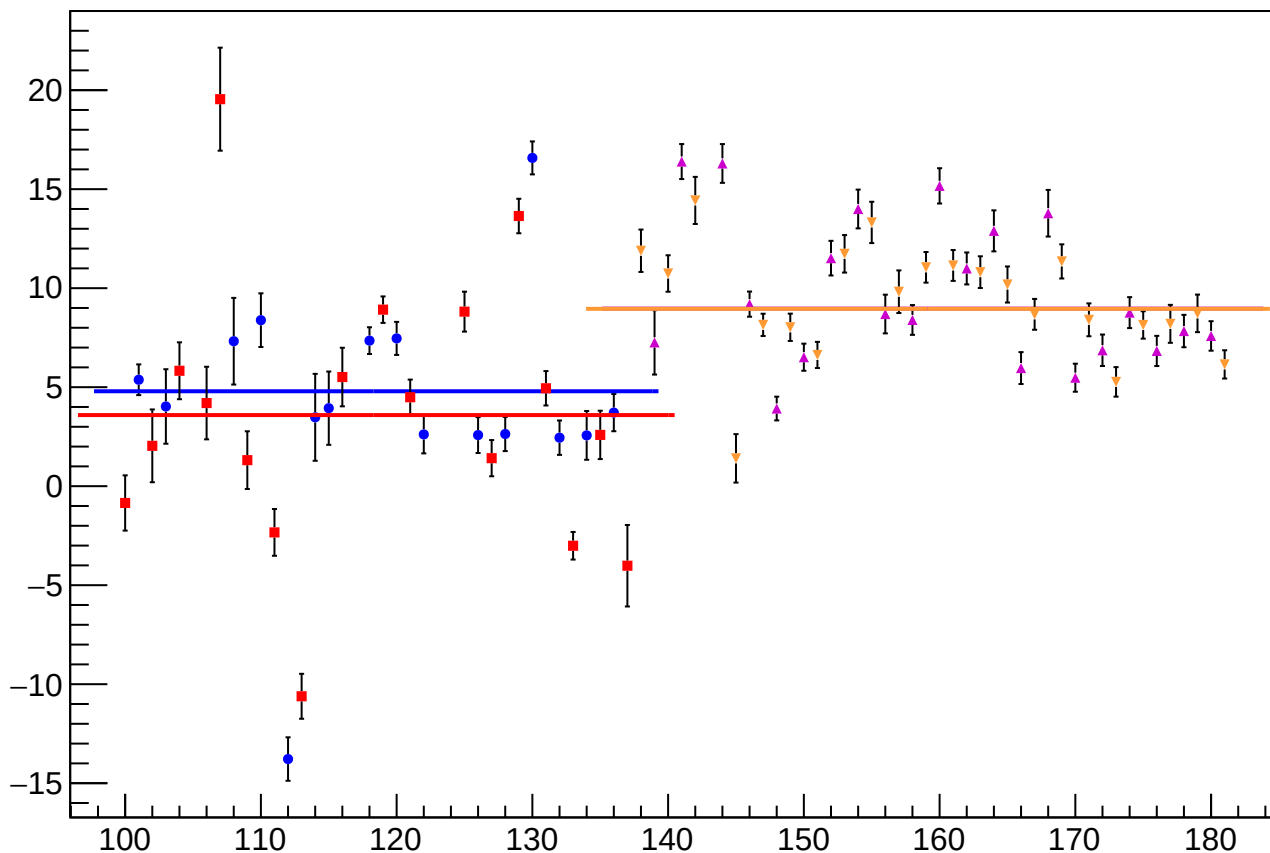
Right: 29.549 $\pm$ 0.289 χ^2 /NDF: 3618.6/33

In: 11.499 $\pm$ 0.183 χ^2 /NDF:4776.2/36

Out: 11.778 $\pm$ 0.180 χ^2 /NDF:5845.8/39

All: 11.641 $\pm$ 0.128 χ^2 /NDF: 10623.2/76

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.794 $\pm$ 0.251 χ^2 /NDF: 550.0/15

Left Out: 8.956 $\pm$ 0.176 χ^2 /NDF:186.3/21

Right Out: 3.591 $\pm$ 0.254 χ^2 /NDF: 573.3/17

Left In: 8.967 $\pm$ 0.178 χ^2 /NDF:391.5/20

Left: 8.962 $\pm$ 0.125 χ^2 /NDF: 577.7/42

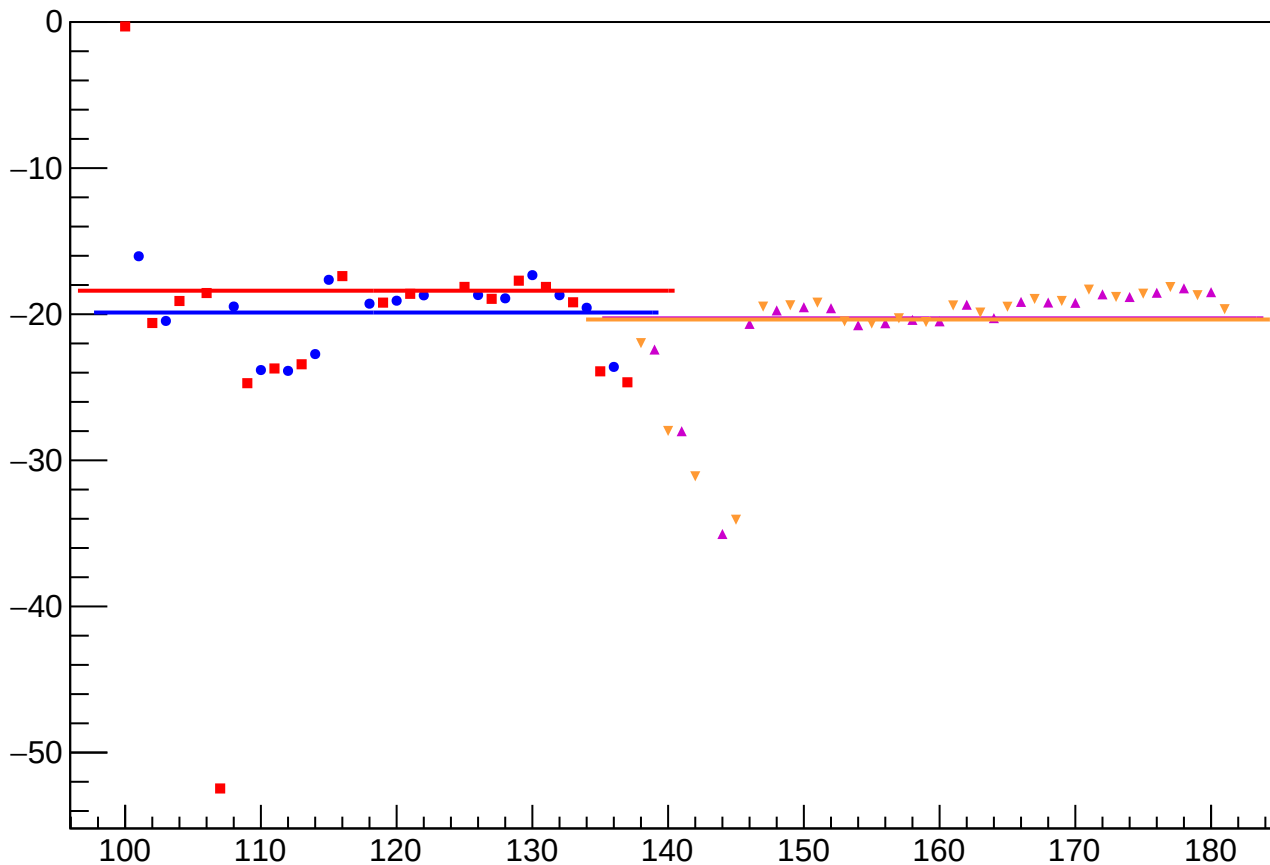
Right: 4.201 $\pm$ 0.179 χ^2 /NDF: 1134.6/33

In: 7.569 $\pm$ 0.145 χ^2 /NDF:1125.2/36

Out: 7.227 $\pm$ 0.144 χ^2 /NDF:1060.8/39

All: 7.397 $\pm$ 0.102 χ^2 /NDF: 2188.8/76

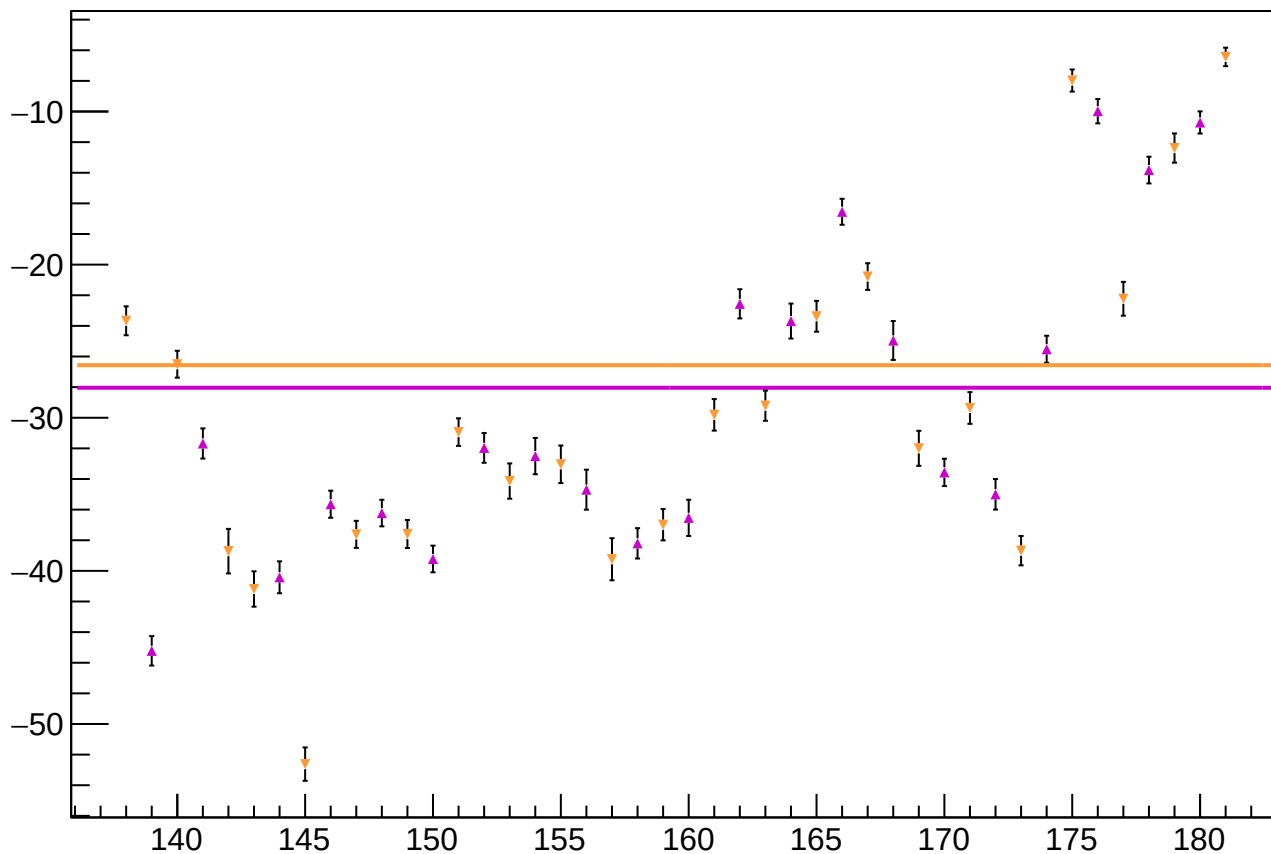
reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.883 ± 0.016 $\chi^2/\text{NDF}: 26063.5/15$
 Left Out: -20.360 ± 0.008 $\chi^2/\text{NDF}: 150442.2/21$
 Right Out: -18.390 ± 0.015 $\chi^2/\text{NDF}: 301247.7/17$
 Left In: -20.280 ± 0.008 $\chi^2/\text{NDF}: 124351.1/20$

Left: -20.320 ± 0.006 $\chi^2/\text{NDF}: 274840.5/42$
 Right: -19.096 ± 0.011 $\chi^2/\text{NDF}: 332167.8/33$
 In: -20.193 ± 0.007 $\chi^2/\text{NDF}: 150923.0/36$
 Out: -19.889 ± 0.007 $\chi^2/\text{NDF}: 465287.4/39$
 All: -20.040 ± 0.005 $\chi^2/\text{NDF}: 617095.4/76$

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: -26.566+/-0.201 χ^2/NDF :3663.4/22

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

Left In: -28.041+/-0.207 χ^2/NDF :2698.2/20

Left: -27.281+/-0.144 χ^2/NDF : 6387.7/43

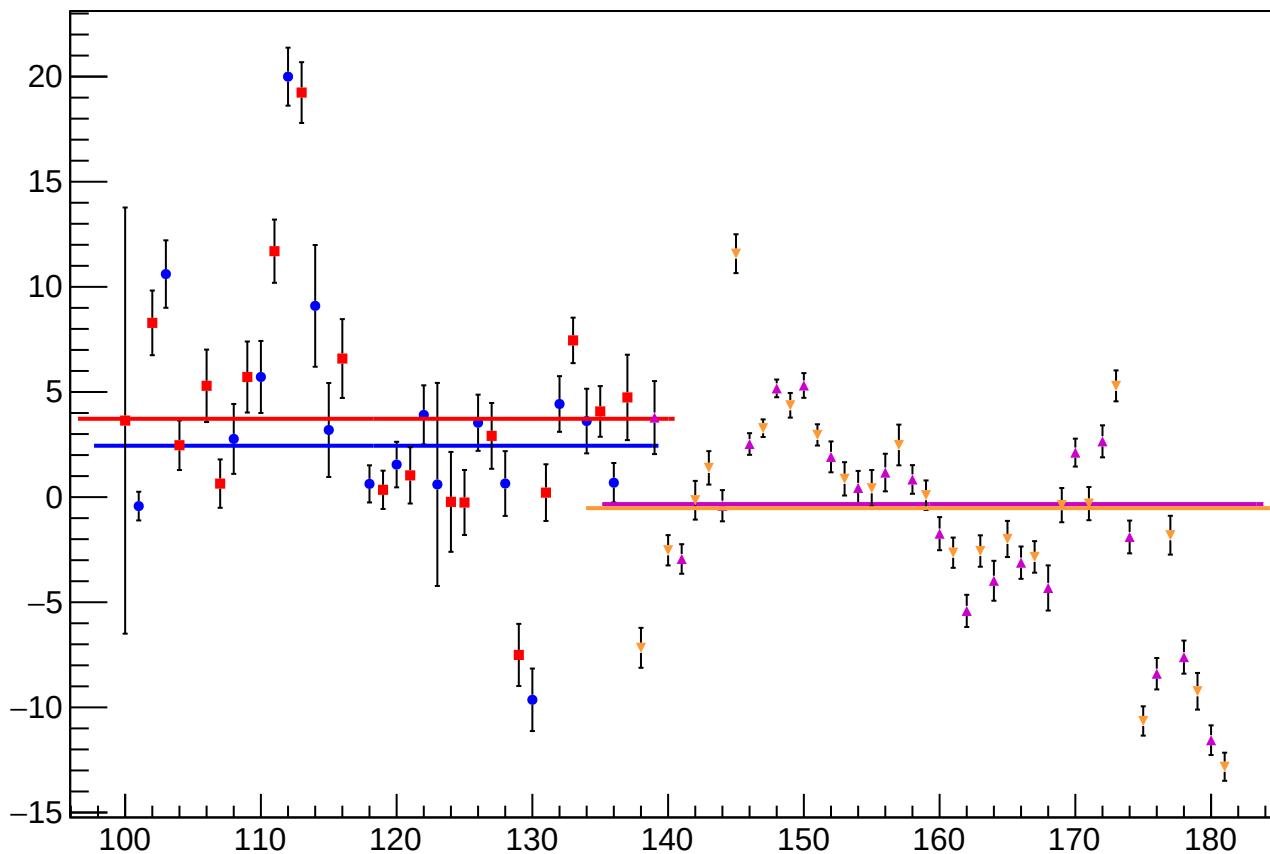
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -28.041+/-0.207 χ^2/NDF :2698.2/20

Out: -26.566+/-0.201 χ^2/NDF :3663.4/22

All: -27.281+/-0.144 χ^2/NDF : 6387.7/43

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.444 ± 0.311 χ^2/NDF : 295.3/16

Left Out: -0.524 ± 0.151 χ^2/NDF : 1190.7/22

Right Out: 3.726 ± 0.327 χ^2/NDF : 269.1/18

Left In: -0.330 ± 0.156 χ^2/NDF : 905.5/20

Left: -0.430 ± 0.108 χ^2/NDF : 2097.1/43

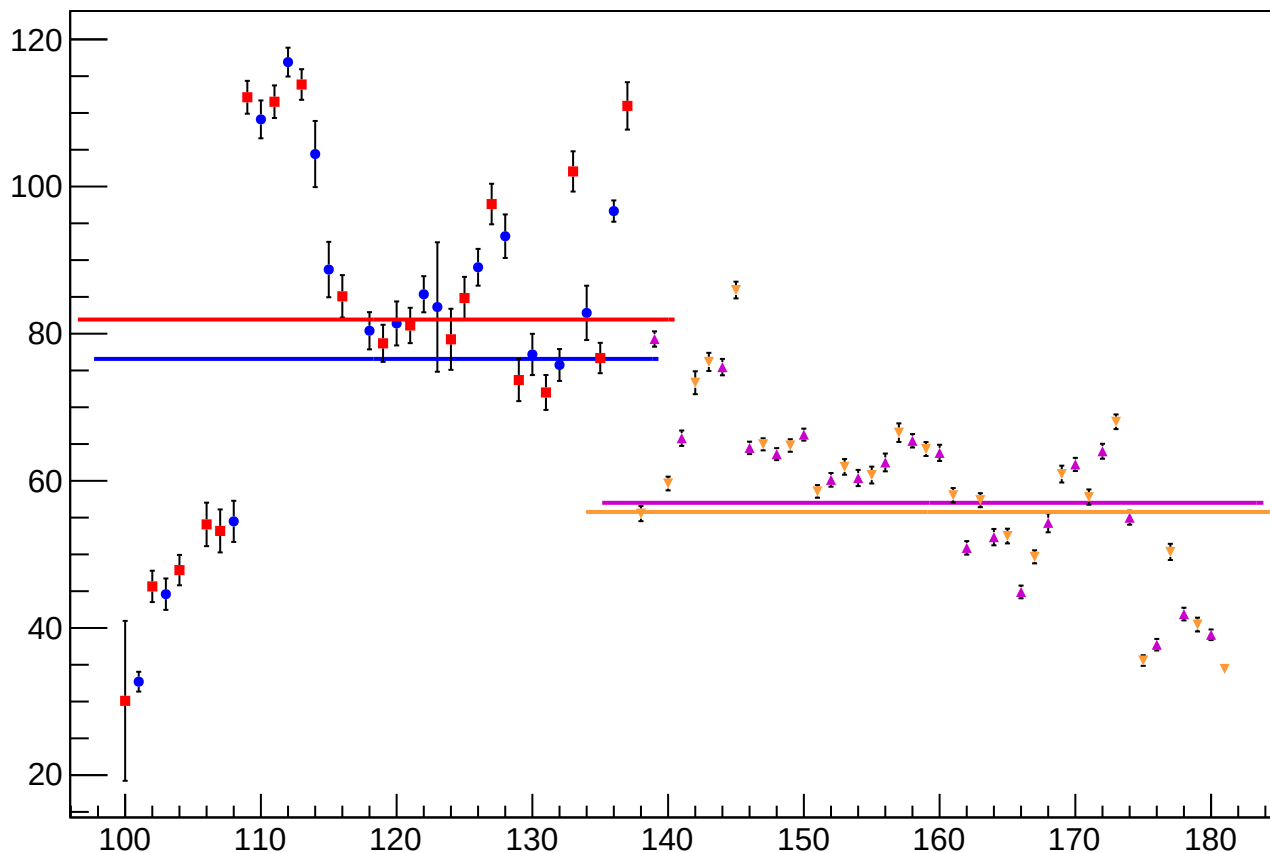
Right: 3.053 ± 0.225 χ^2/NDF : 572.5/35

In: 0.225 ± 0.139 χ^2/NDF : 1264.4/37

Out: 0.220 ± 0.137 χ^2/NDF : 1599.3/41

All: 0.222 ± 0.098 χ^2/NDF : 2863.8/79

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.572 ± 0.573 $\chi^2/\text{NDF}: 2253.6/16$

Left Out: 55.769 ± 0.200 $\chi^2/\text{NDF}: 4038.6/22$

Right Out: 81.923 ± 0.592 $\chi^2/\text{NDF}: 1570.6/18$

Left In: 57.014 ± 0.205 $\chi^2/\text{NDF}: 3110.3/20$

Left: 56.377 ± 0.143 $\chi^2/\text{NDF}: 7167.8/43$

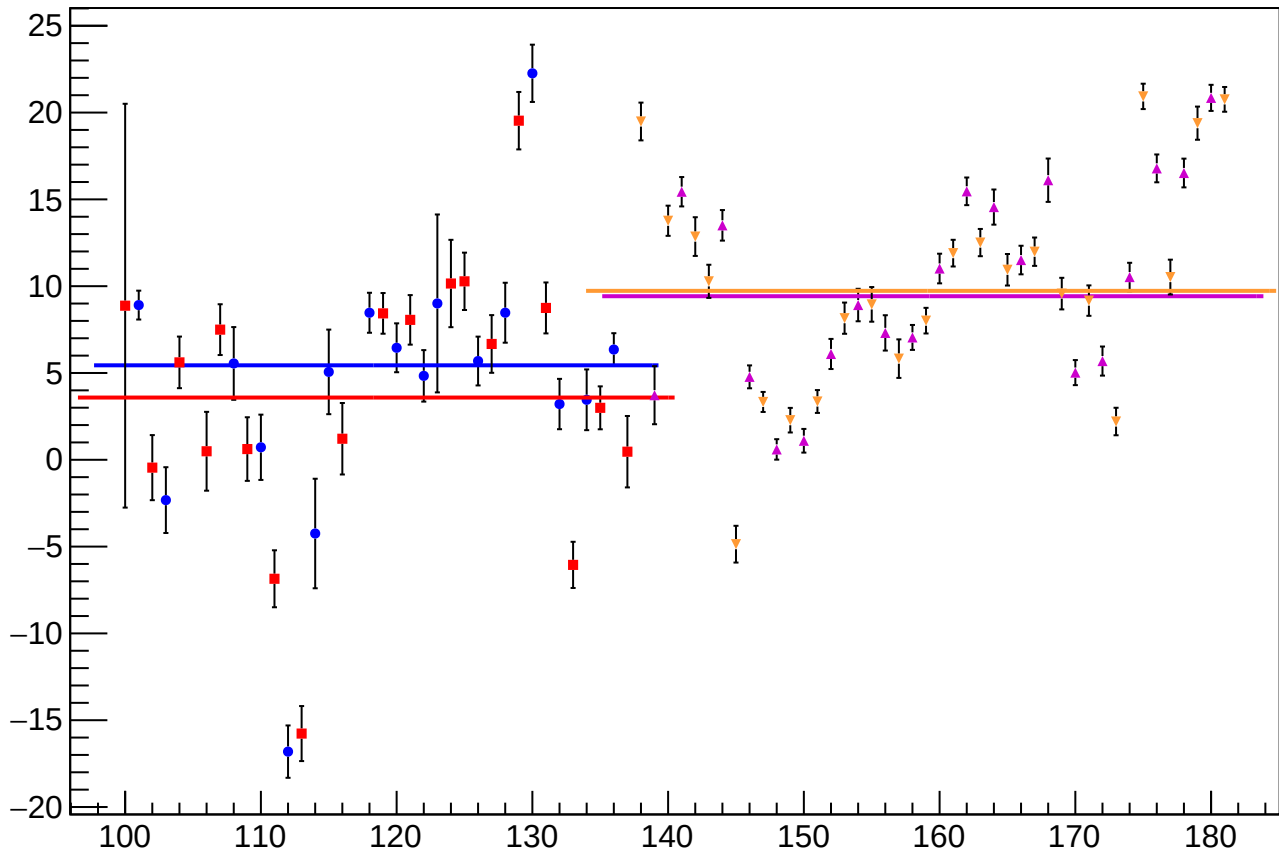
Right: 79.162 ± 0.412 $\chi^2/\text{NDF}: 3866.3/35$

In: 59.227 ± 0.193 $\chi^2/\text{NDF}: 6396.1/37$

Out: 58.448 ± 0.189 $\chi^2/\text{NDF}: 7361.6/41$

All: 58.830 ± 0.135 $\chi^2/\text{NDF}: 13766.0/79$

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.442 ± 0.357 χ^2/NDF : 387.5/16

Left Out: 9.731 ± 0.173 χ^2/NDF : 1347.0/22

Right Out: 3.585 ± 0.375 χ^2/NDF : 423.2/18

Left In: 9.422 ± 0.178 χ^2/NDF : 1106.4/20

Left: 9.581 ± 0.124 χ^2/NDF : 2454.9/43

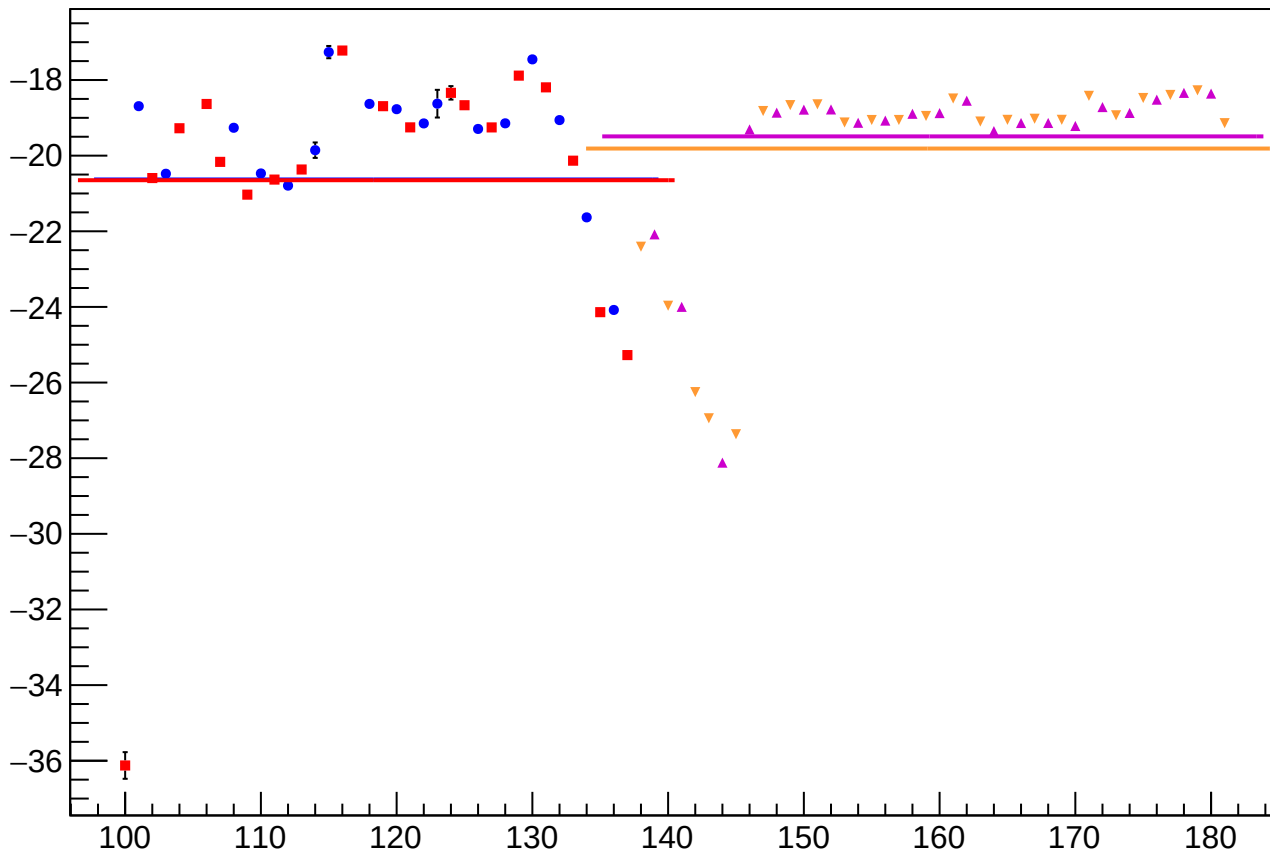
Right: 4.559 ± 0.259 χ^2/NDF : 823.5/35

In: 8.627 ± 0.160 χ^2/NDF : 1593.2/37

Out: 8.649 ± 0.157 χ^2/NDF : 1991.2/41

All: 8.638 ± 0.112 χ^2/NDF : 3584.4/79

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: -19.812+/-0.008 χ^2/NDF : 87374.7/22

Right Out: -20.650+/-0.019 χ^2/NDF : 13885.7/18

Left In: -19.491+/-0.008 χ^2/NDF : 53689.8/20

Left: -19.653+/-0.006 χ^2/NDF : 141825.1/43

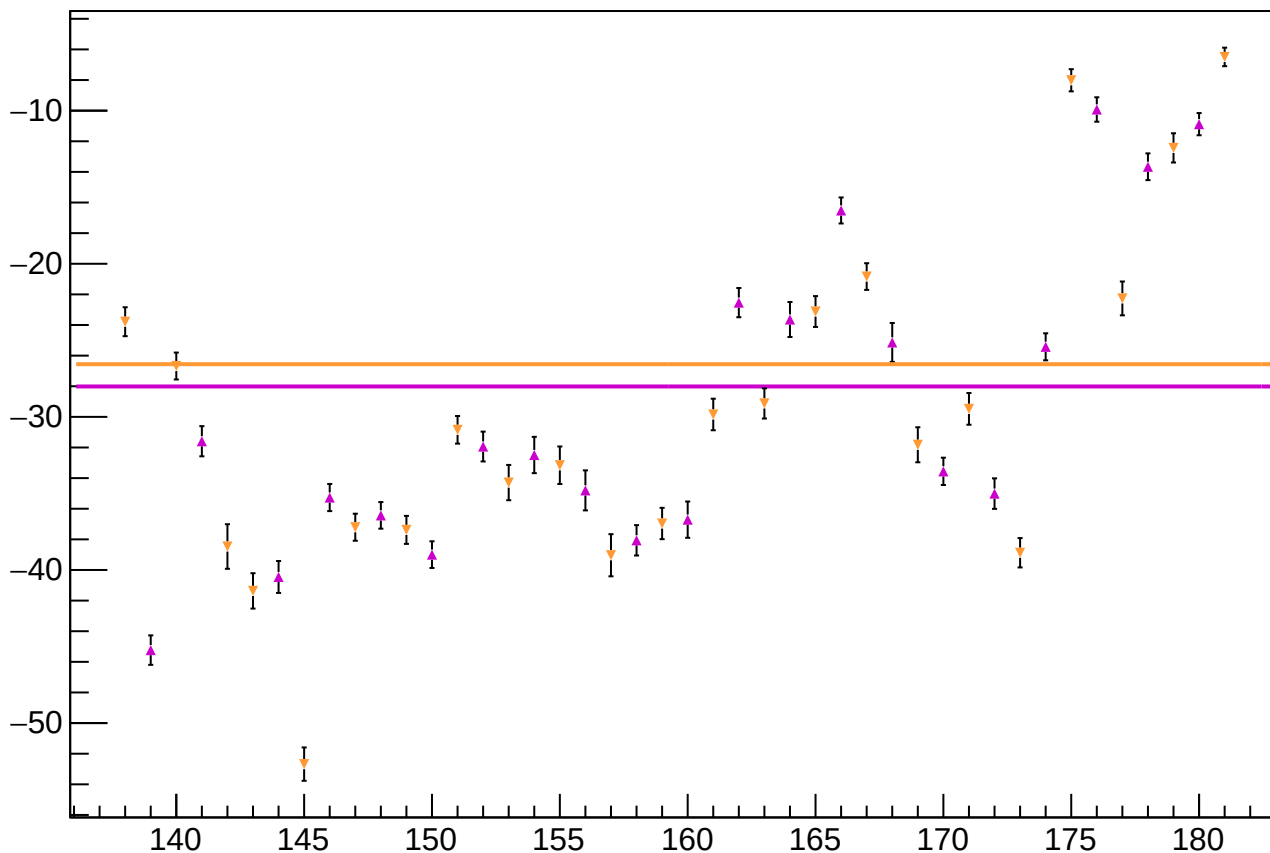
Right: -20.640+/-0.014 χ^2/NDF : 26376.6/35

In: -19.668+/-0.008 χ^2/NDF : 69131.4/37

Out: -19.939+/-0.008 χ^2/NDF : 102837.2/41

All: -19.804+/-0.005 χ^2/NDF : 172606.1/79

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: -26.560+/-0.201 χ^2/NDF :3639.3/22

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

Left In: -28.014+/-0.207 χ^2/NDF :2685.0/20

Left: -27.265+/-0.144 χ^2/NDF : 6349.6/43

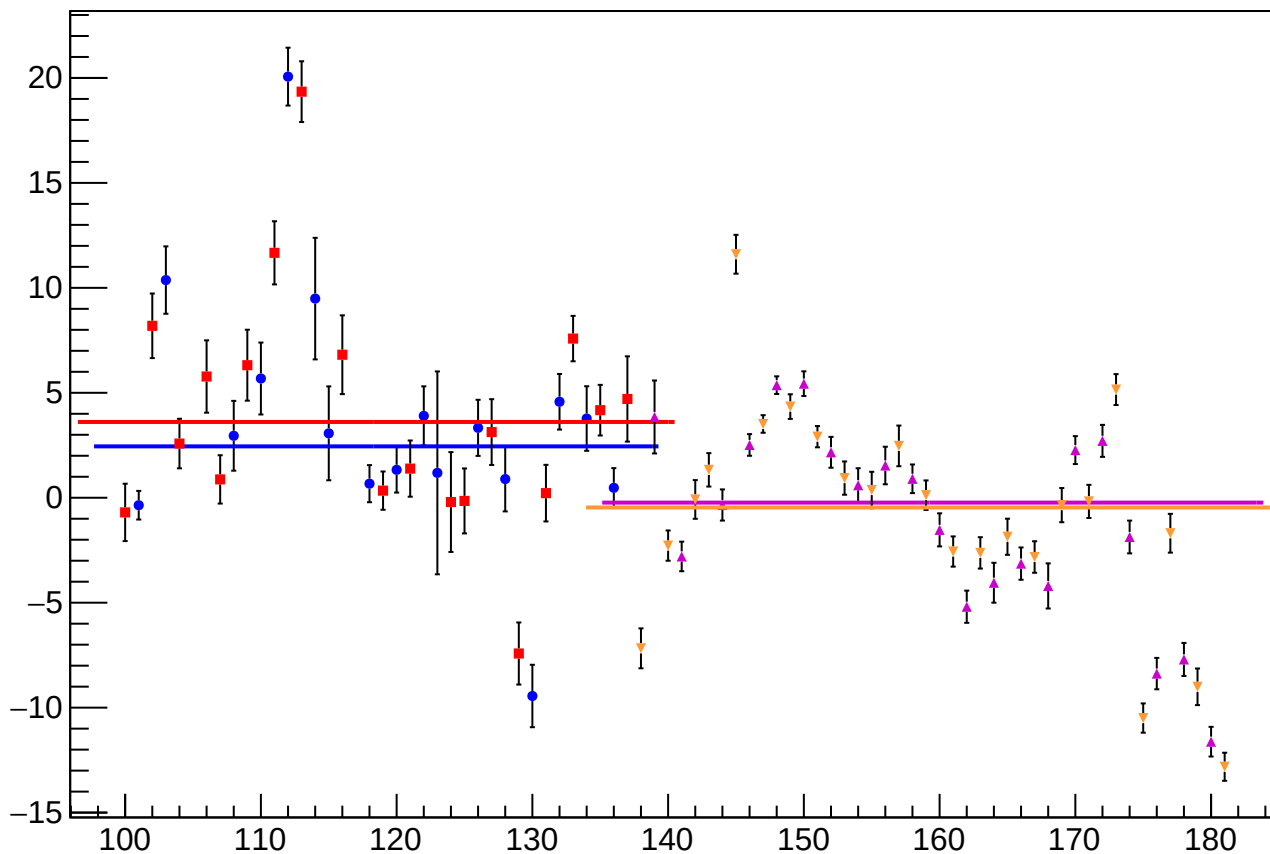
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -28.014+/-0.207 χ^2/NDF :2685.0/20

Out: -26.560+/-0.201 χ^2/NDF :3639.3/22

All: -27.265+/-0.144 χ^2/NDF : 6349.6/43

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.448 ± 0.311 χ^2/NDF : 293.4/16

Left Out: -0.464 ± 0.151 χ^2/NDF : 1181.2/22

Right Out: 3.611 ± 0.318 χ^2/NDF : 279.4/18

Left In: -0.231 ± 0.156 χ^2/NDF : 925.0/20

Left: -0.351 ± 0.108 χ^2/NDF : 2107.3/43

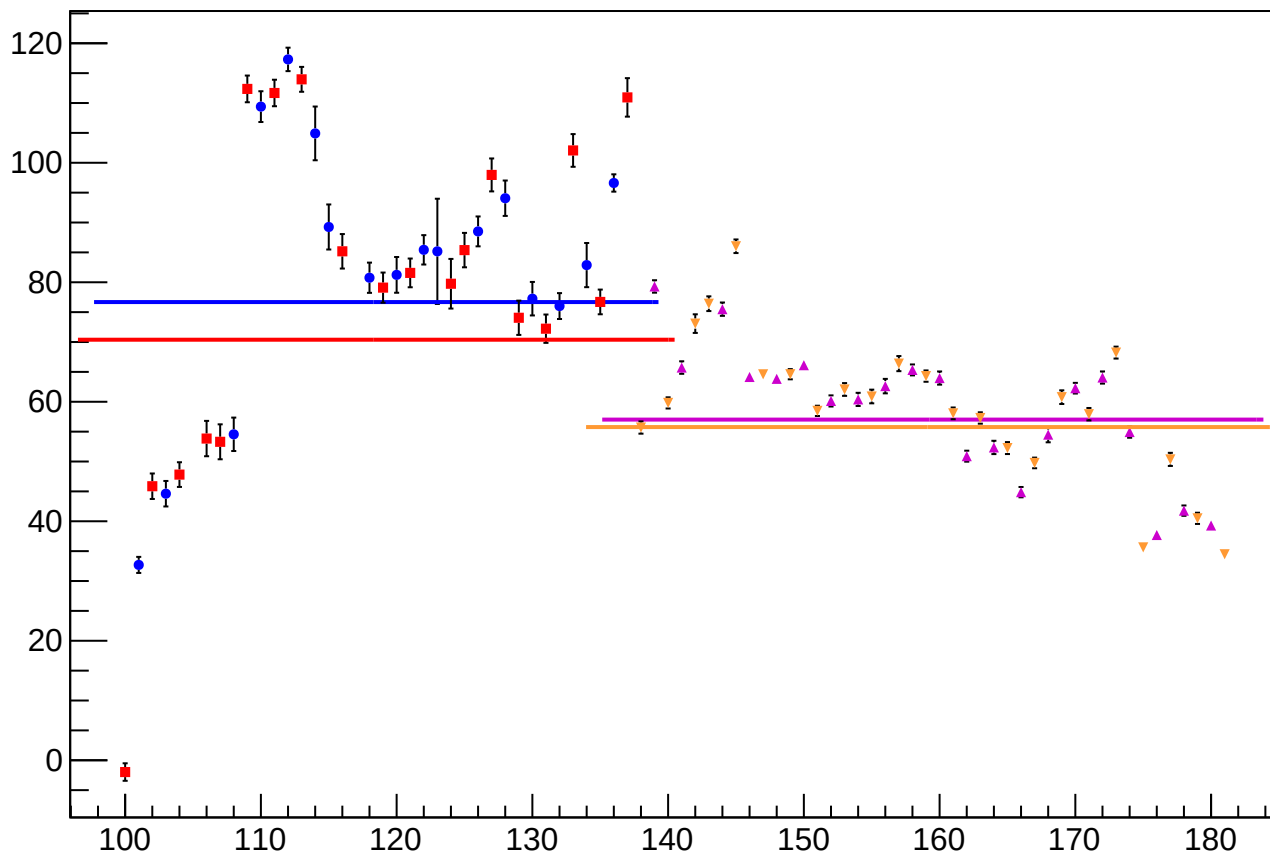
Right: 3.017 ± 0.223 χ^2/NDF : 579.6/35

In: 0.305 ± 0.139 χ^2/NDF : 1277.6/37

Out: 0.283 ± 0.136 χ^2/NDF : 1594.5/41

All: 0.294 ± 0.097 χ^2/NDF : 2872.1/79

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.687 ± 0.574 $\chi^2/\text{NDF}: 2265.1/16$

Left Out: 55.765 ± 0.200 $\chi^2/\text{NDF}: 4023.5/22$

Right Out: 70.386 ± 0.550 $\chi^2/\text{NDF}: 4391.1/18$

Left In: 57.016 ± 0.205 $\chi^2/\text{NDF}: 3093.2/20$

Left: 56.376 ± 0.143 $\chi^2/\text{NDF}: 7135.8/43$

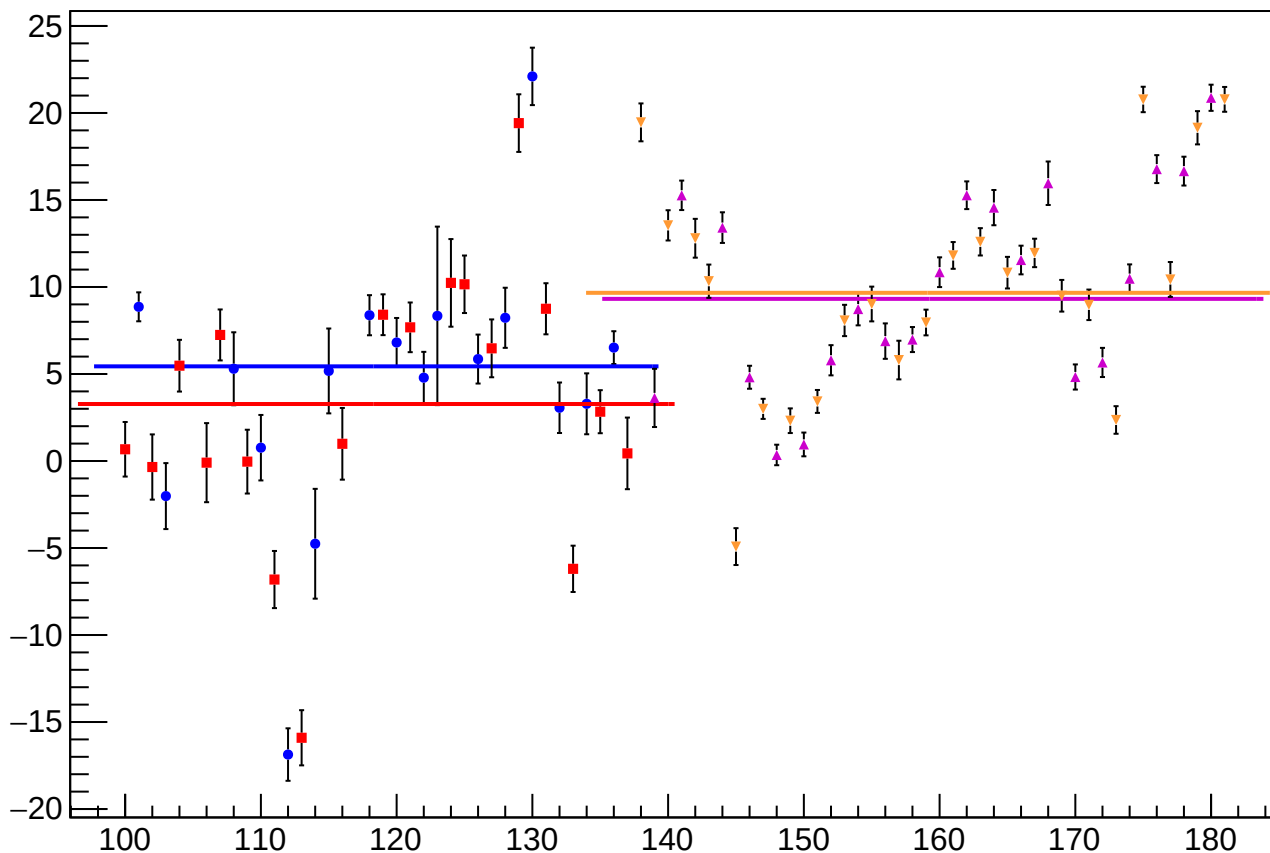
Right: 73.402 ± 0.397 $\chi^2/\text{NDF}: 6719.1/35$

In: 59.242 ± 0.193 $\chi^2/\text{NDF}: 6401.2/37$

Out: 57.475 ± 0.188 $\chi^2/\text{NDF}: 9039.2/41$

All: 58.336 ± 0.135 $\chi^2/\text{NDF}: 15483.5/79$

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.439 ± 0.357 χ^2/NDF : 385.9/16

Left Out: 9.665 ± 0.174 χ^2/NDF : 1340.8/22

Right Out: 3.275 ± 0.365 χ^2/NDF : 425.8/18

Left In: 9.317 ± 0.179 χ^2/NDF : 1126.1/20

Left: 9.496 ± 0.124 χ^2/NDF : 2468.9/43

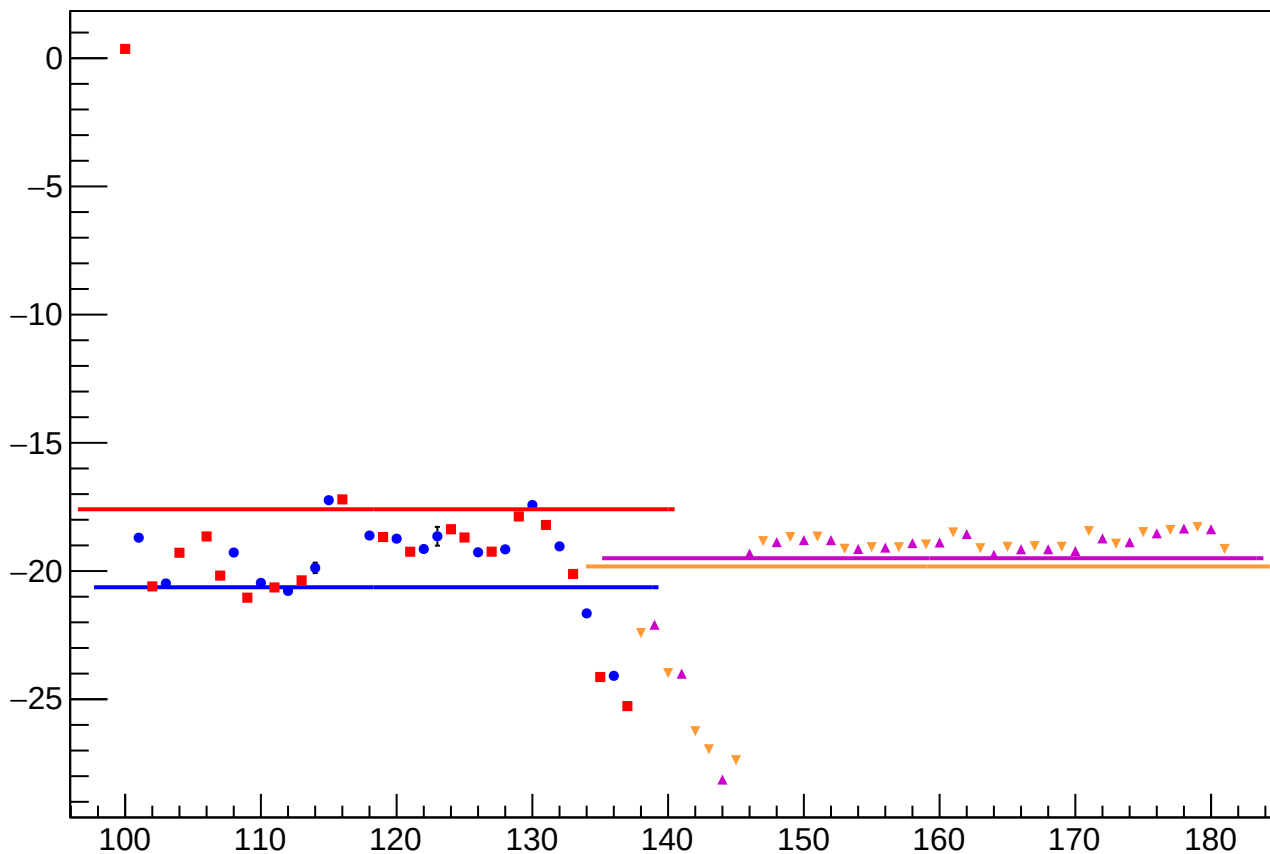
Right: 4.381 ± 0.256 χ^2/NDF : 829.6/35

In: 8.542 ± 0.160 χ^2/NDF : 1606.2/37

Out: 8.488 ± 0.157 χ^2/NDF : 2016.1/41

All: 8.515 ± 0.112 χ^2/NDF : 3622.4/79

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: -19.820 $\pm$ 0.008 χ^2 /NDF: 87248.1/22

Right Out: -17.591 $\pm$ 0.018 χ^2 /NDF: 178680.7/18

Left In: -19.500 $\pm$ 0.008 χ^2 /NDF: 53645.2/20

Left: -19.662 $\pm$ 0.006 χ^2 /NDF: 141646.0/43

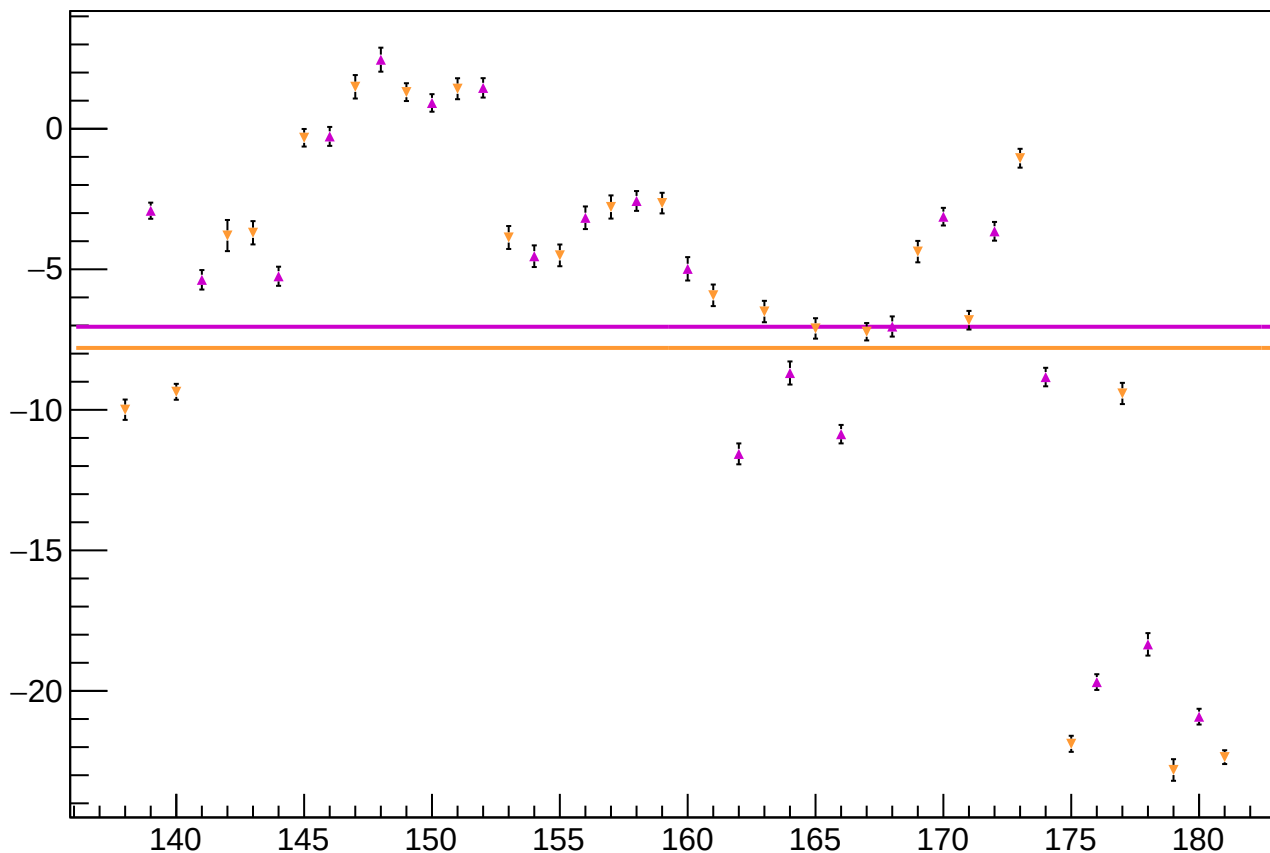
Right: -19.007 $\pm$ 0.013 χ^2 /NDF: 204486.4/35

In: -19.676 $\pm$ 0.008 χ^2 /NDF: 69080.0/37

Out: -19.437 $\pm$ 0.007 χ^2 /NDF: 278613.4/41

All: -19.554 $\pm$ 0.005 χ^2 /NDF: 348197.6/79

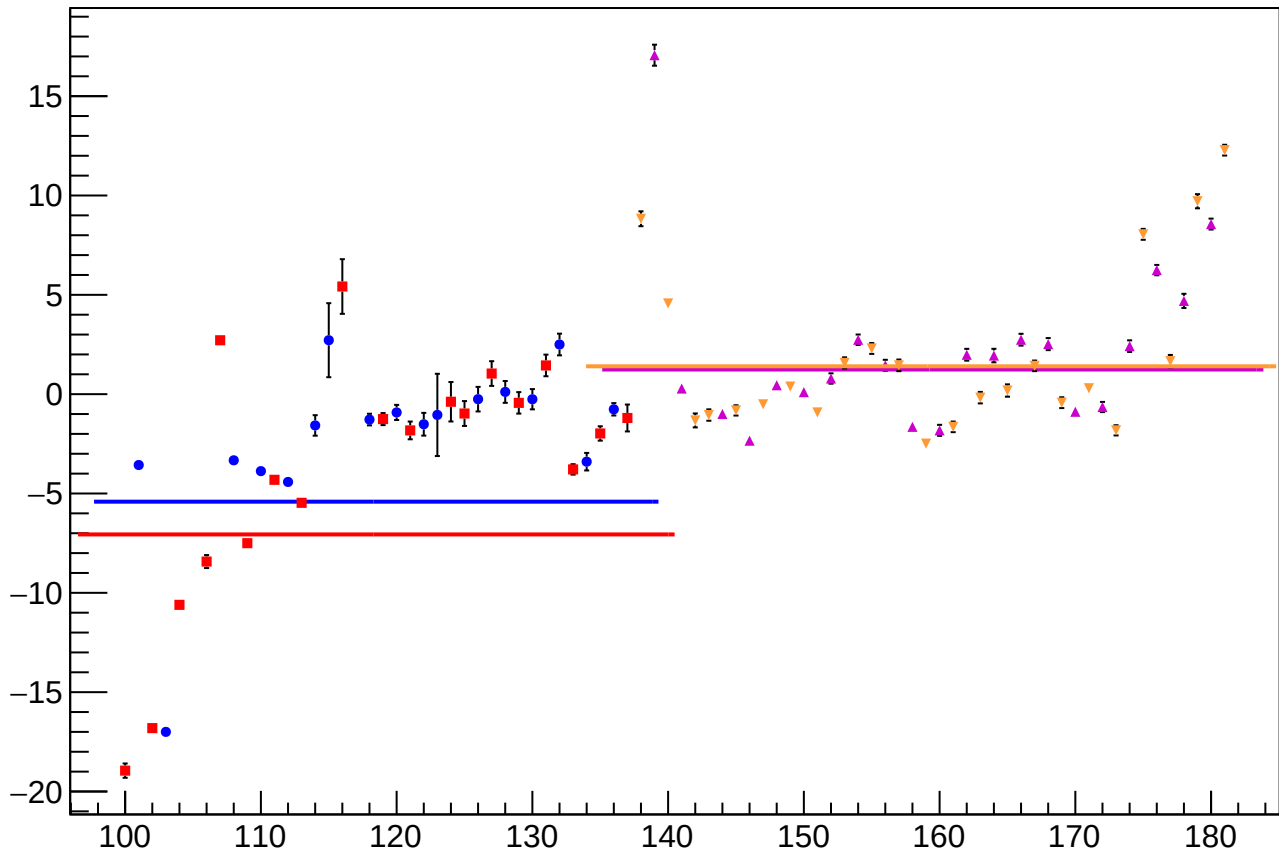
reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -7.797 $\pm$ 0.073 χ^2 /NDF:11245.3/22
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -7.044 $\pm$ 0.075 χ^2 /NDF:8615.4/20

Left: -7.429 $\pm$ 0.052 χ^2 /NDF: 19912.6/43
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -7.044 $\pm$ 0.075 χ^2 /NDF:8615.4/20
 Out: -7.797 $\pm$ 0.073 χ^2 /NDF:11245.3/22
 All: -7.429 $\pm$ 0.052 χ^2 /NDF: 19912.6/43

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: 1.403 $\pm$ 0.056 χ^2/NDF : 4384.9/22

Right Out: -7.060 $\pm$ 0.059 χ^2/NDF : 12329.4/18

Left In: 1.241 $\pm$ 0.058 χ^2/NDF : 2997.6/20

Left: 1.325 $\pm$ 0.040 χ^2/NDF : 7386.5/43

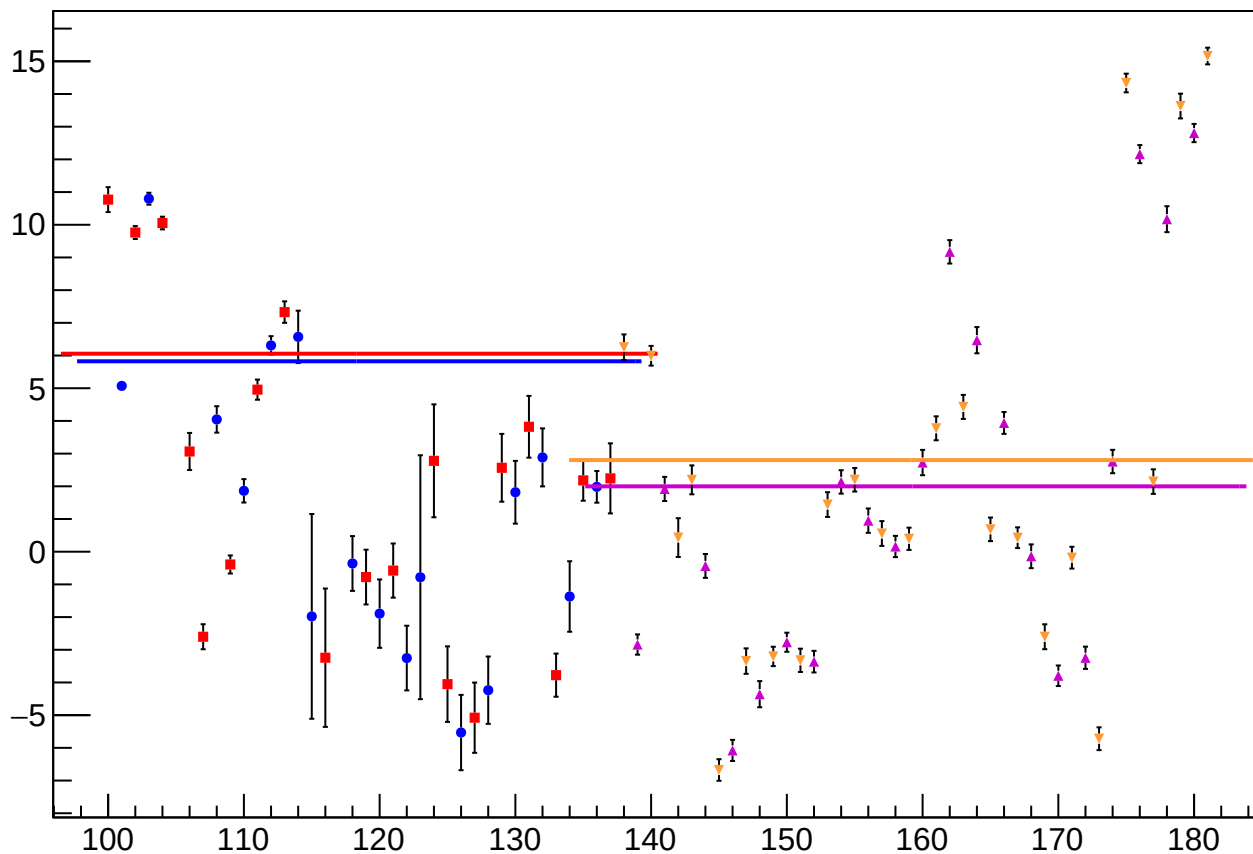
Right: -6.173 $\pm$ 0.040 χ^2/NDF : 22010.3/35

In: -2.271 $\pm$ 0.040 χ^2/NDF : 19229.5/37

Out: -2.586 $\pm$ 0.041 χ^2/NDF : 27577.9/41

All: -2.425 $\pm$ 0.028 χ^2/NDF : 46838.1/79

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.824 ± 0.090 $\chi^2/\text{NDF}: 1452.6/16$

Left Out: 2.802 ± 0.073 $\chi^2/\text{NDF}: 7869.7/22$

Right Out: 6.056 ± 0.093 $\chi^2/\text{NDF}: 2668.9/18$

Left In: 1.999 ± 0.074 $\chi^2/\text{NDF}: 6186.3/20$

Left: 2.407 ± 0.052 $\chi^2/\text{NDF}: 14115.9/43$

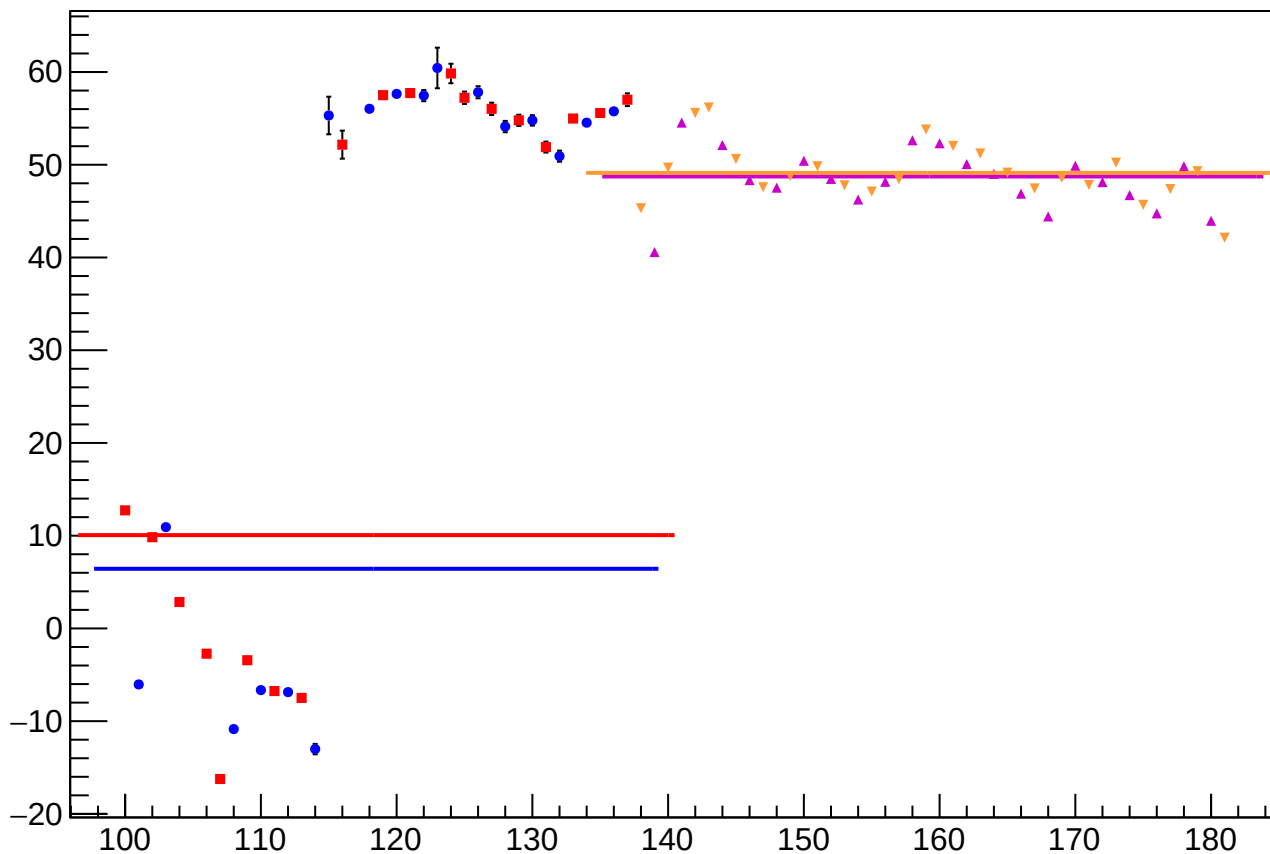
Right: 5.935 ± 0.065 $\chi^2/\text{NDF}: 4124.7/35$

In: 3.551 ± 0.057 $\chi^2/\text{NDF}: 8722.0/37$

Out: 4.032 ± 0.057 $\chi^2/\text{NDF}: 11294.9/41$

All: 3.790 ± 0.040 $\chi^2/\text{NDF}: 20052.3/79$

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.432 $\pm$ 0.065 χ^2 /NDF: 123486.3/16

Left Out: 49.126 $\pm$ 0.063 χ^2 /NDF:2150.2/22

Right Out: 10.060 $\pm$ 0.070 χ^2 /NDF: 121816.0/18

Left In: 48.735 $\pm$ 0.065 χ^2 /NDF:2033.8/20

Left: 48.936 $\pm$ 0.046 χ^2 /NDF: 4202.4/43

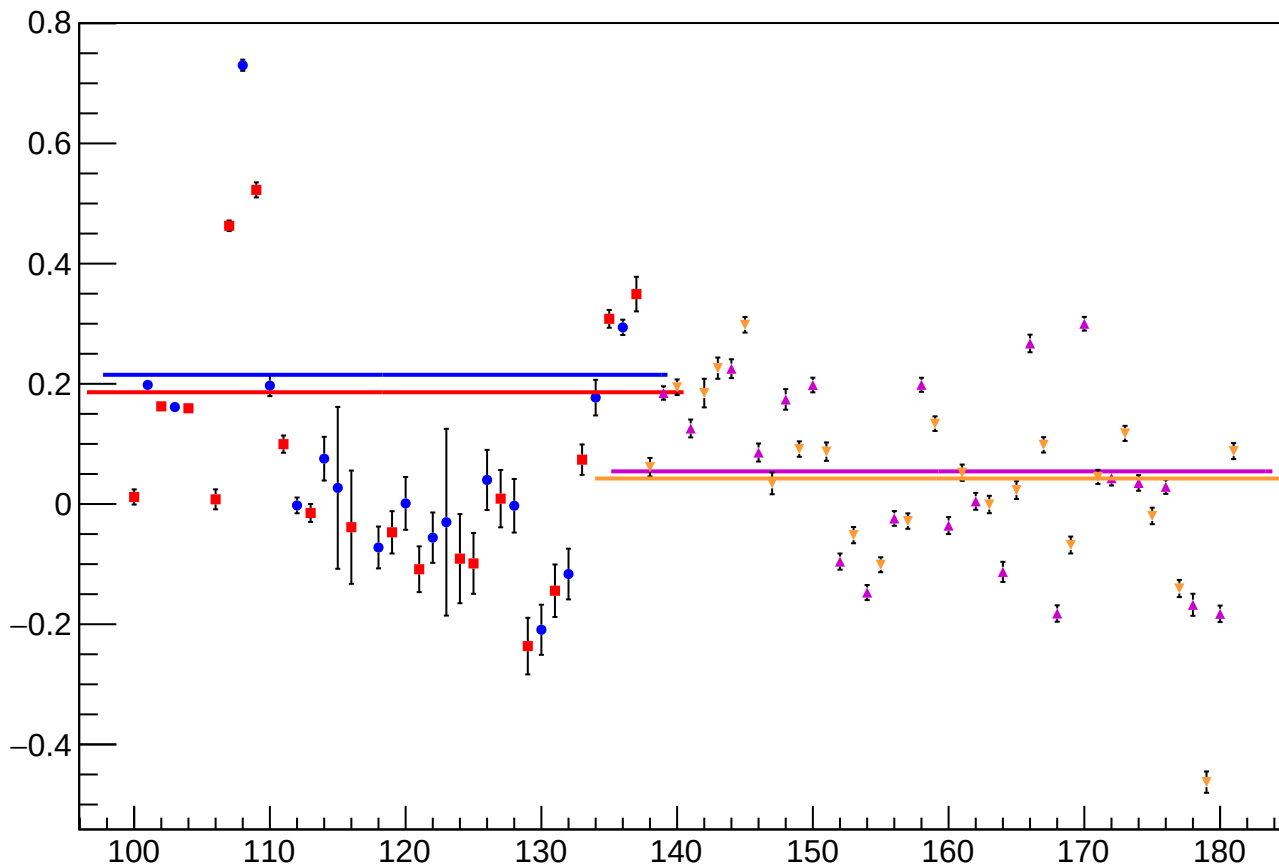
Right: 8.110 $\pm$ 0.047 χ^2 /NDF: 246756.9/35

In: 27.349 $\pm$ 0.046 χ^2 /NDF:336900.6/37

Out: 31.422 $\pm$ 0.047 χ^2 /NDF:295539.2/41

All: 29.344 $\pm$ 0.033 χ^2 /NDF: 636279.5/79

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215 $\pm$ 0.003 χ^2/NDF : 3930.1/16

Left Out: 0.043 $\pm$ 0.003 χ^2/NDF : 2095.6/22

Right Out: 0.186 $\pm$ 0.003 χ^2/NDF : 2720.3/18

Left In: 0.054 $\pm$ 0.003 χ^2/NDF : 2625.4/20

Left: 0.048 $\pm$ 0.002 χ^2/NDF : 4729.2/43

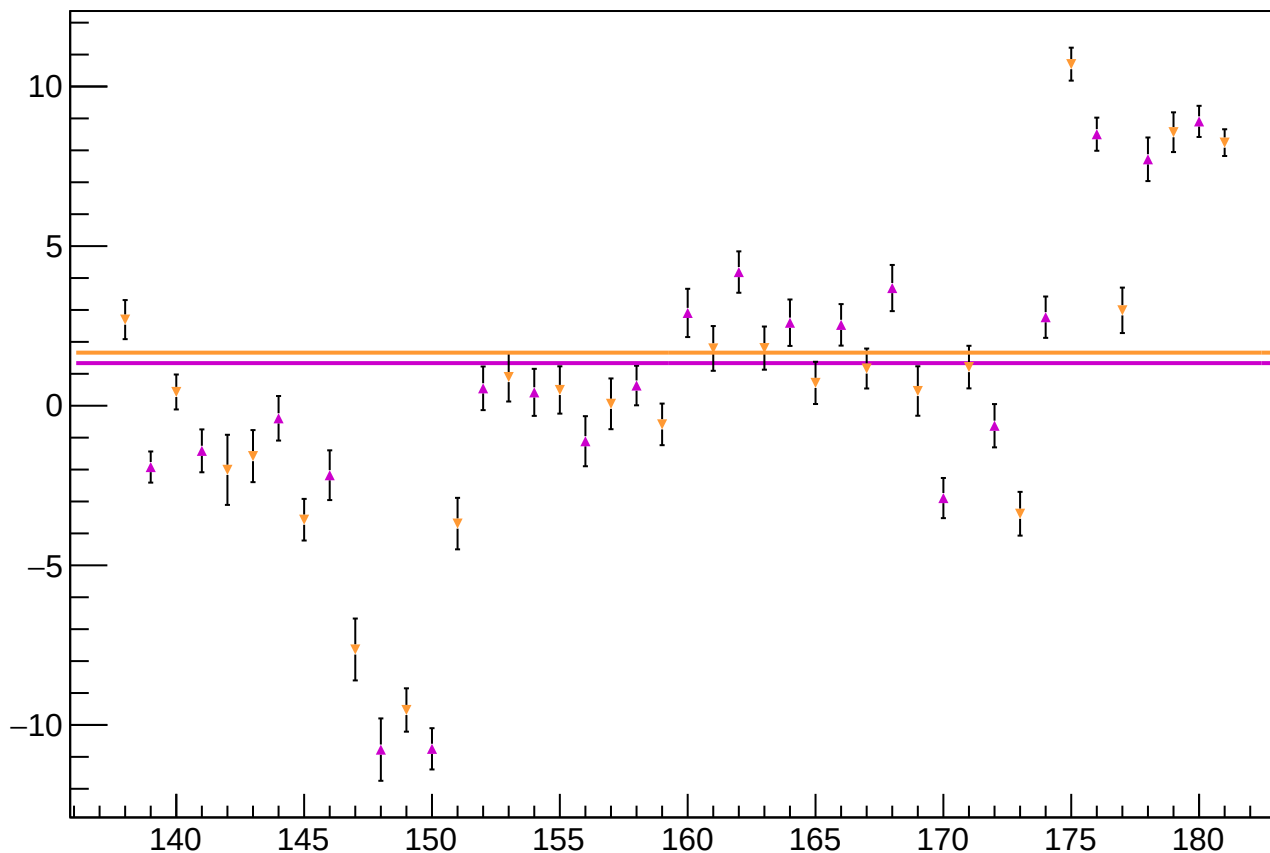
Right: 0.200 $\pm$ 0.002 χ^2/NDF : 6707.1/35

In: 0.139 $\pm$ 0.002 χ^2/NDF : 8146.2/37

Out: 0.120 $\pm$ 0.002 χ^2/NDF : 6125.8/41

All: 0.129 $\pm$ 0.001 χ^2/NDF : 14317.9/79

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 1.663 $\pm$ 0.139 χ^2 /NDF:1266.4/22

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

Left In: 1.335 $\pm$ 0.143 χ^2 /NDF:1222.8/20

Left: 1.503 $\pm$ 0.099 χ^2 /NDF: 2492.0/43

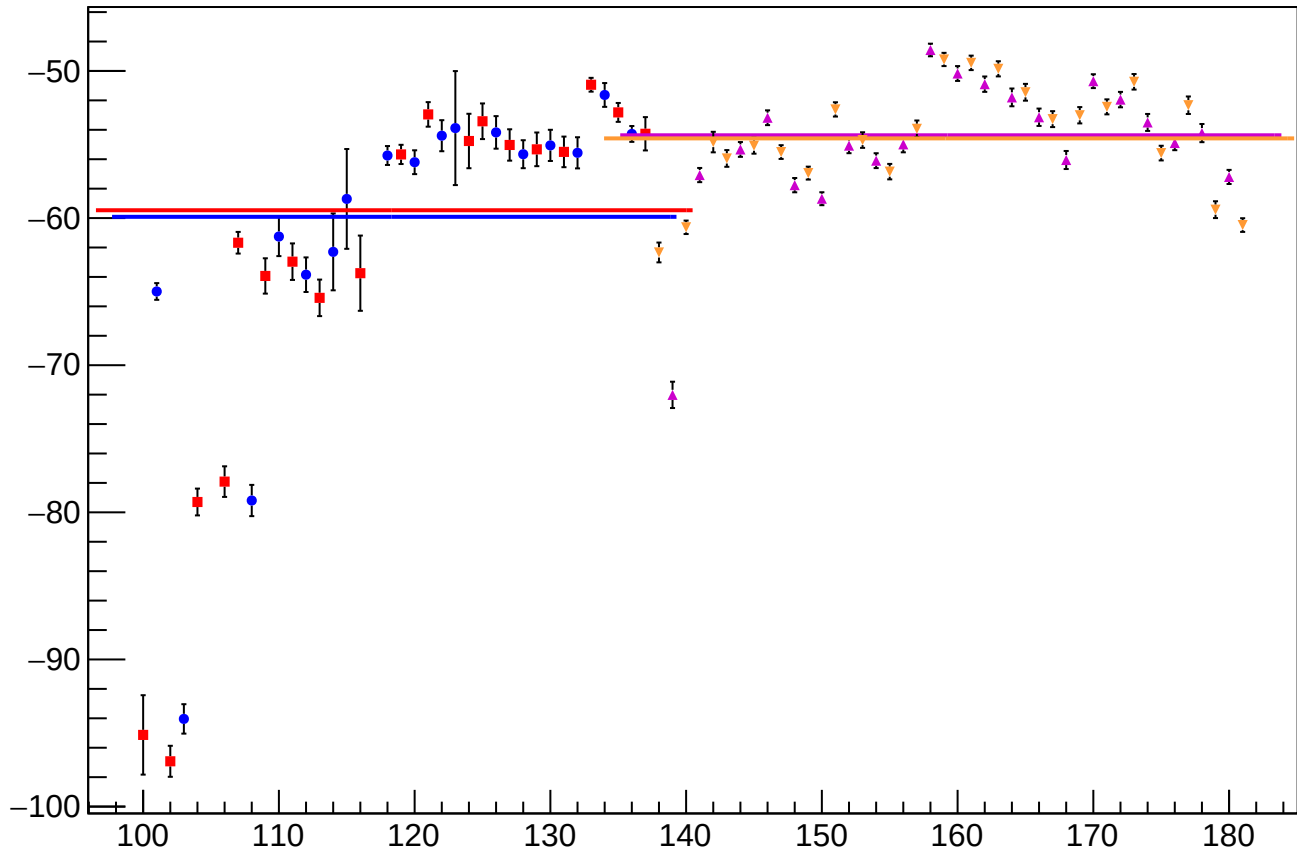
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 1.335 $\pm$ 0.143 χ^2 /NDF:1222.8/20

Out: 1.663 $\pm$ 0.139 χ^2 /NDF:1266.4/22

All: 1.503 $\pm$ 0.099 χ^2 /NDF: 2492.0/43

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: -54.584 ± 0.109 χ^2/NDF : 1083.9/22

Right Out: -59.468 ± 0.212 χ^2/NDF : 2912.7/18

Left In: -54.373 ± 0.114 χ^2/NDF : 1035.8/20

Left: -54.483 ± 0.079 χ^2/NDF : 2121.5/43

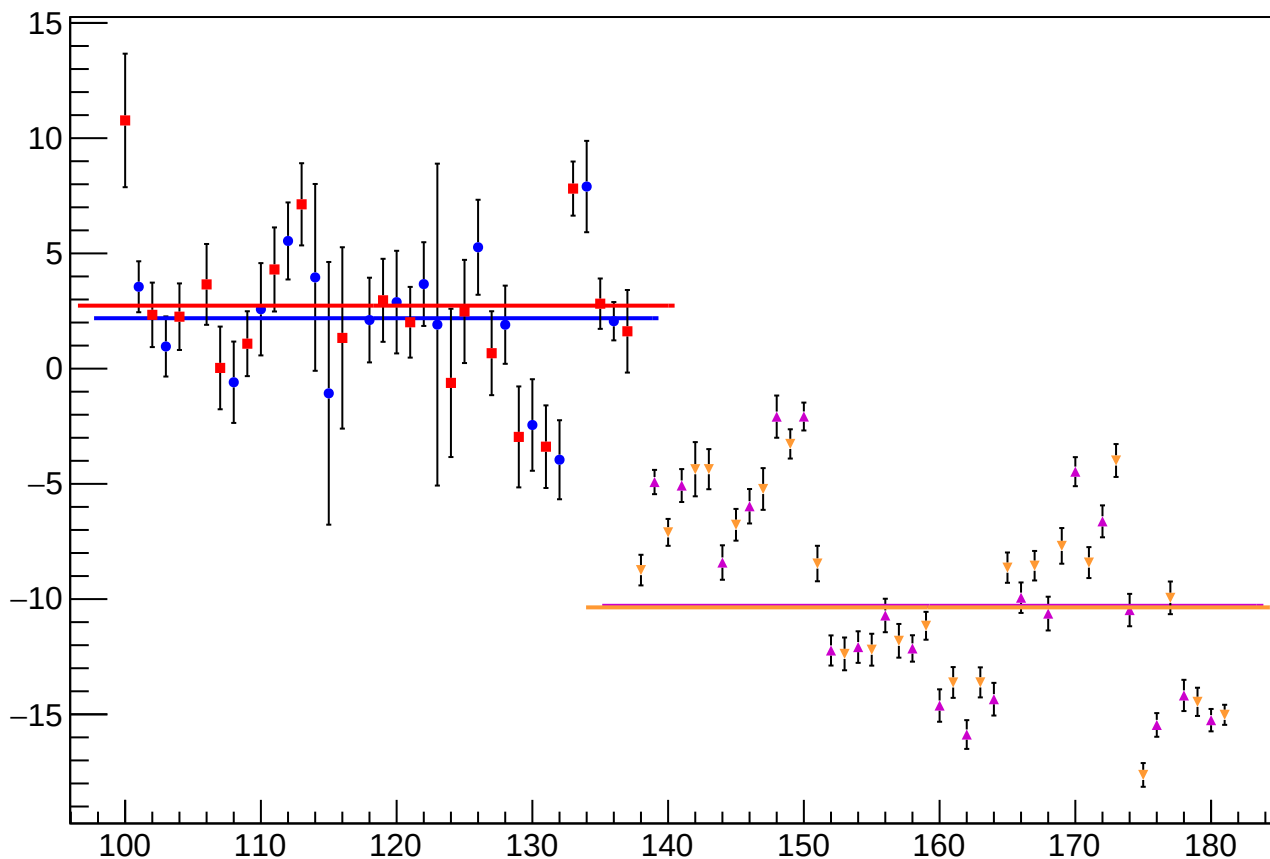
Right: -59.680 ± 0.154 χ^2/NDF : 4894.3/35

In: -55.514 ± 0.101 χ^2/NDF : 3505.7/37

Out: -55.603 ± 0.097 χ^2/NDF : 4416.3/41

All: -55.560 ± 0.070 χ^2/NDF : 7922.4/79

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: -10.359 ± 0.138 $\chi^2/\text{NDF}: 843.8/22$

Right Out: 2.733 ± 0.388 $\chi^2/\text{NDF}: 58.9/18$

Left In: -10.291 ± 0.141 $\chi^2/\text{NDF}: 991.3/20$

Left: -10.326 ± 0.099 $\chi^2/\text{NDF}: 1835.2/43$

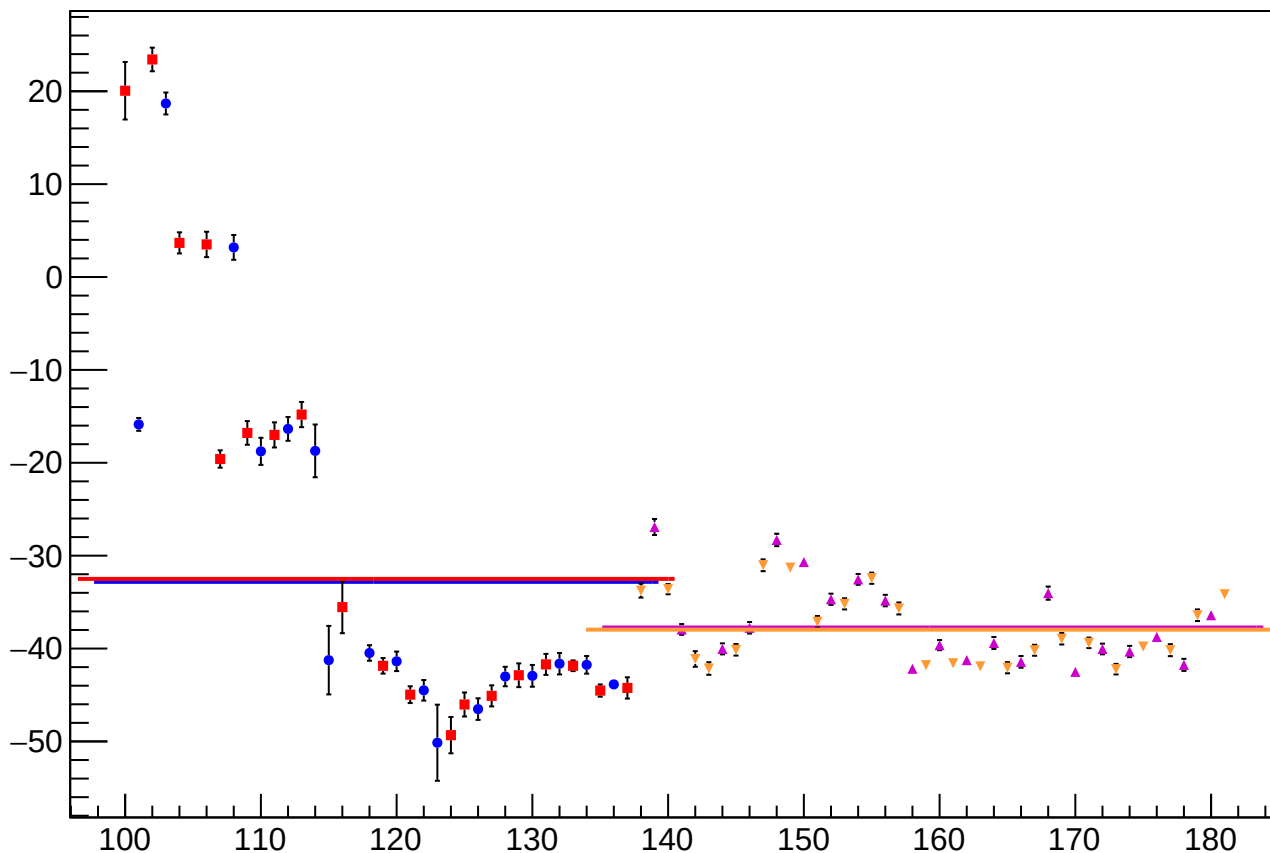
Right: 2.472 ± 0.280 $\chi^2/\text{NDF}: 98.9/35$

In: -8.931 ± 0.133 $\chi^2/\text{NDF}: 1880.1/37$

Out: -8.881 ± 0.130 $\chi^2/\text{NDF}: 1914.7/41$

All: -8.905 ± 0.093 $\chi^2/\text{NDF}: 3794.9/79$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.817 ± 0.254 χ^2/NDF : 4666.6/16

Left Out: -37.965 ± 0.123 χ^2/NDF : 936.5/22

Right Out: -32.501 ± 0.244 χ^2/NDF : 6037.9/18

Left In: -37.733 ± 0.127 χ^2/NDF : 1077.5/20

Left: -37.853 ± 0.088 χ^2/NDF : 2015.7/43

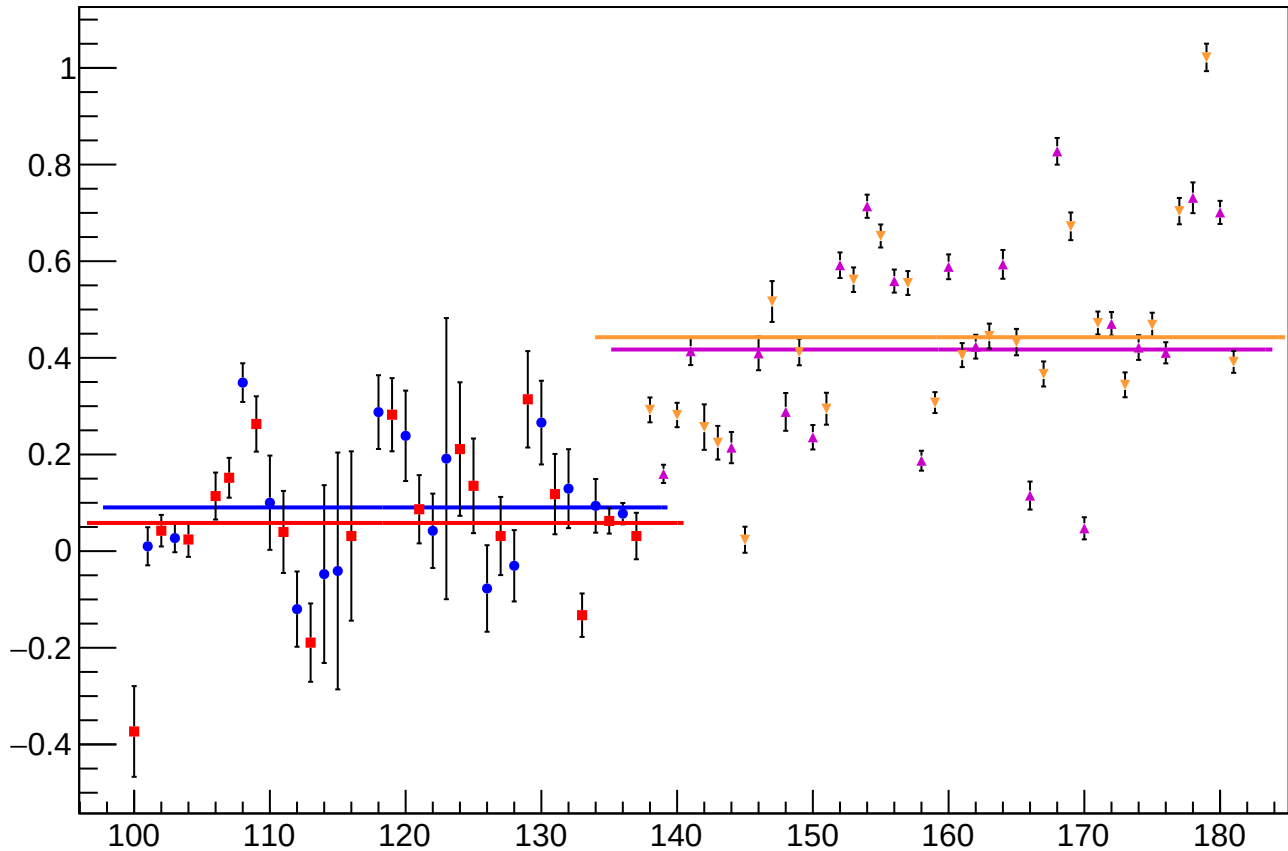
Right: -32.652 ± 0.176 χ^2/NDF : 10705.2/35

In: -36.752 ± 0.113 χ^2/NDF : 6044.0/37

Out: -36.862 ± 0.110 χ^2/NDF : 7374.7/41

All: -36.809 ± 0.079 χ^2/NDF : 13419.2/79

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: 0.443 $\pm$ 0.006 χ^2 /NDF:1158.6/22

Right Out: 0.058 $\pm$ 0.012 χ^2 /NDF: 87.3/18

Left In: 0.417 $\pm$ 0.006 χ^2 /NDF:1557.1/20

Left: 0.430 $\pm$ 0.004 χ^2 /NDF: 2726.2/43

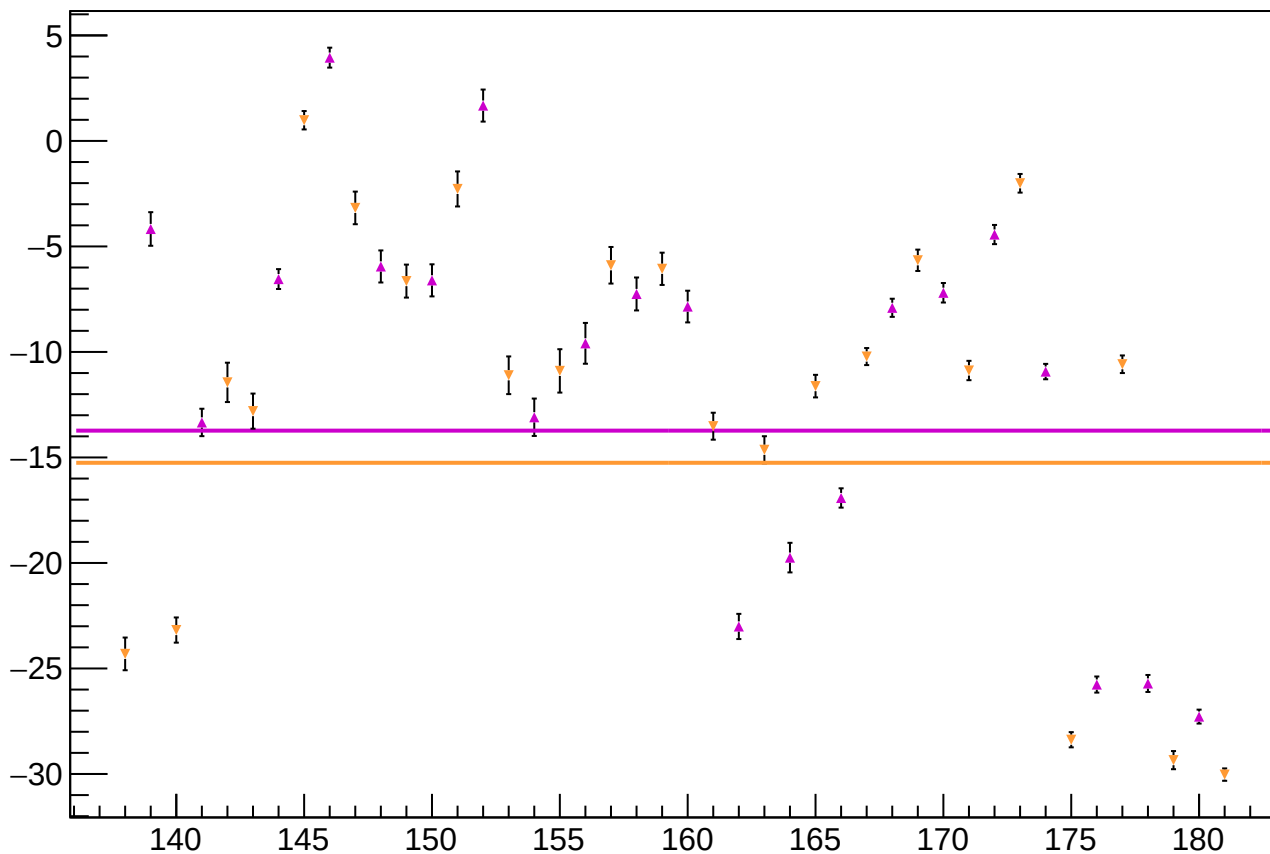
Right: 0.074 $\pm$ 0.009 χ^2 /NDF: 169.9/35

In: 0.364 $\pm$ 0.005 χ^2 /NDF:2189.8/37

Out: 0.376 $\pm$ 0.005 χ^2 /NDF:2073.4/41

All: 0.370 $\pm$ 0.004 χ^2 /NDF: 4265.7/79

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: -15.253+/-0.111 χ^2/NDF : 9254.3/22

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

Left In: -13.729+/-0.113 χ^2/NDF : 7315.3/20

Left: -14.505+/-0.079 χ^2/NDF : 16662.0/43

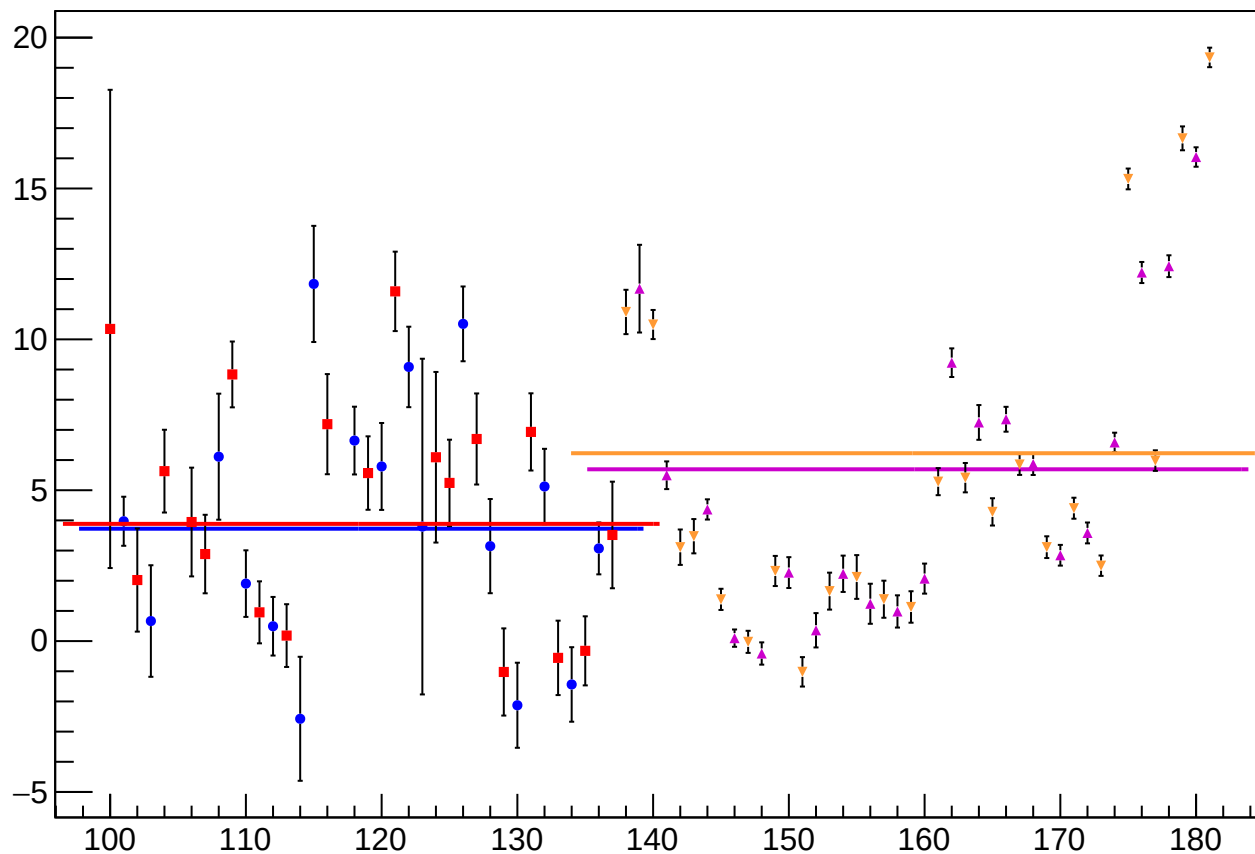
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -13.729+/-0.113 χ^2/NDF : 7315.3/20

Out: -15.253+/-0.111 χ^2/NDF : 9254.3/22

All: -14.505+/-0.079 χ^2/NDF : 16662.0/43

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.725 ± 0.308 χ^2/NDF : 136.8/16

Left Out: 6.226 ± 0.089 χ^2/NDF : 4469.4/22

Right Out: 3.885 ± 0.316 χ^2/NDF : 134.4/18

Left In: 5.694 ± 0.089 χ^2/NDF : 2949.4/20

Left: 5.961 ± 0.063 χ^2/NDF : 7436.8/43

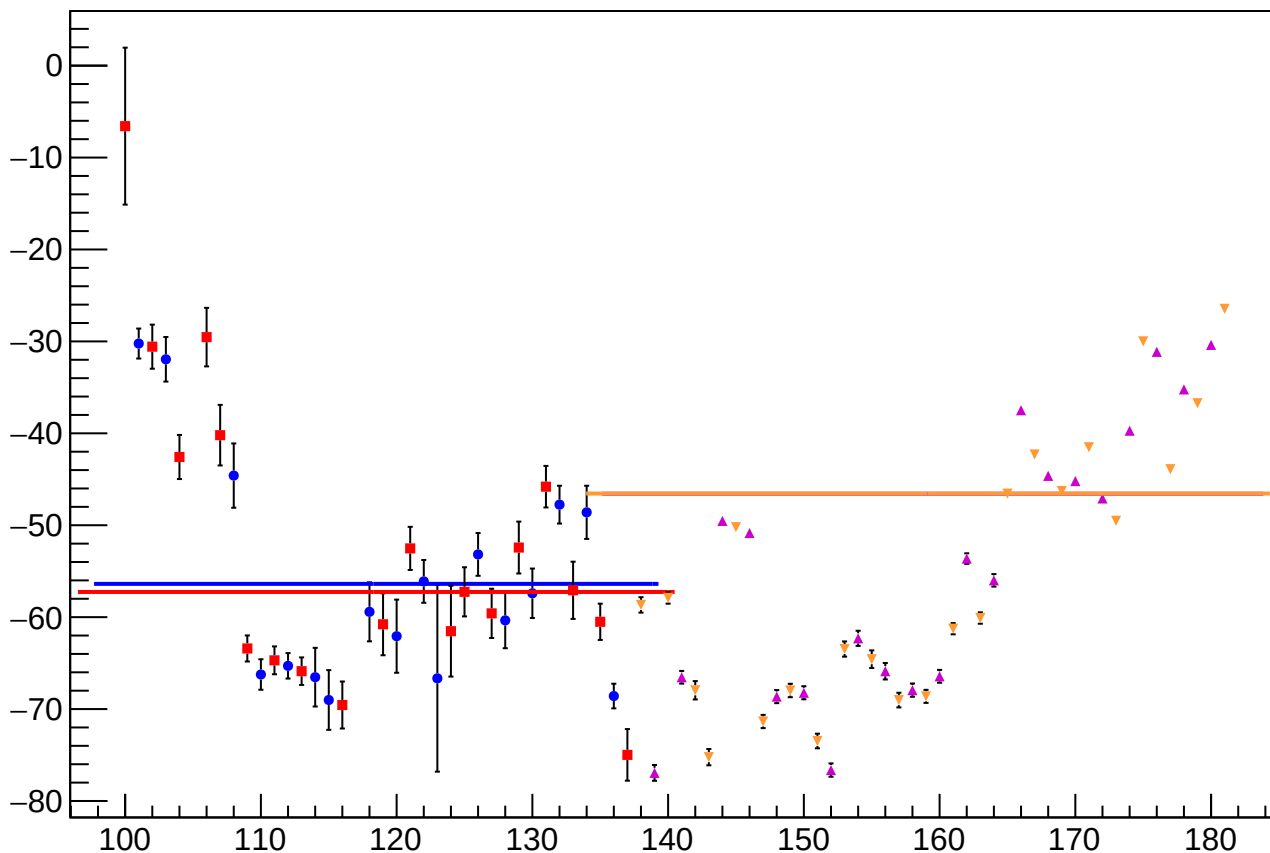
Right: 3.803 ± 0.221 χ^2/NDF : 271.3/35

In: 5.542 ± 0.086 χ^2/NDF : 3123.8/37

Out: 6.055 ± 0.085 χ^2/NDF : 4654.6/41

All: 5.799 ± 0.060 χ^2/NDF : 7796.4/79

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -56.379 ± 0.542 χ^2/NDF : 587.4/16

Left Out: -46.552 ± 0.112 χ^2/NDF : 16141.1/22

Right Out: -57.258 ± 0.536 χ^2/NDF : 476.1/18

Left In: -46.576 ± 0.113 χ^2/NDF : 14273.0/20

Left: -46.564 ± 0.080 χ^2/NDF : 30414.1/43

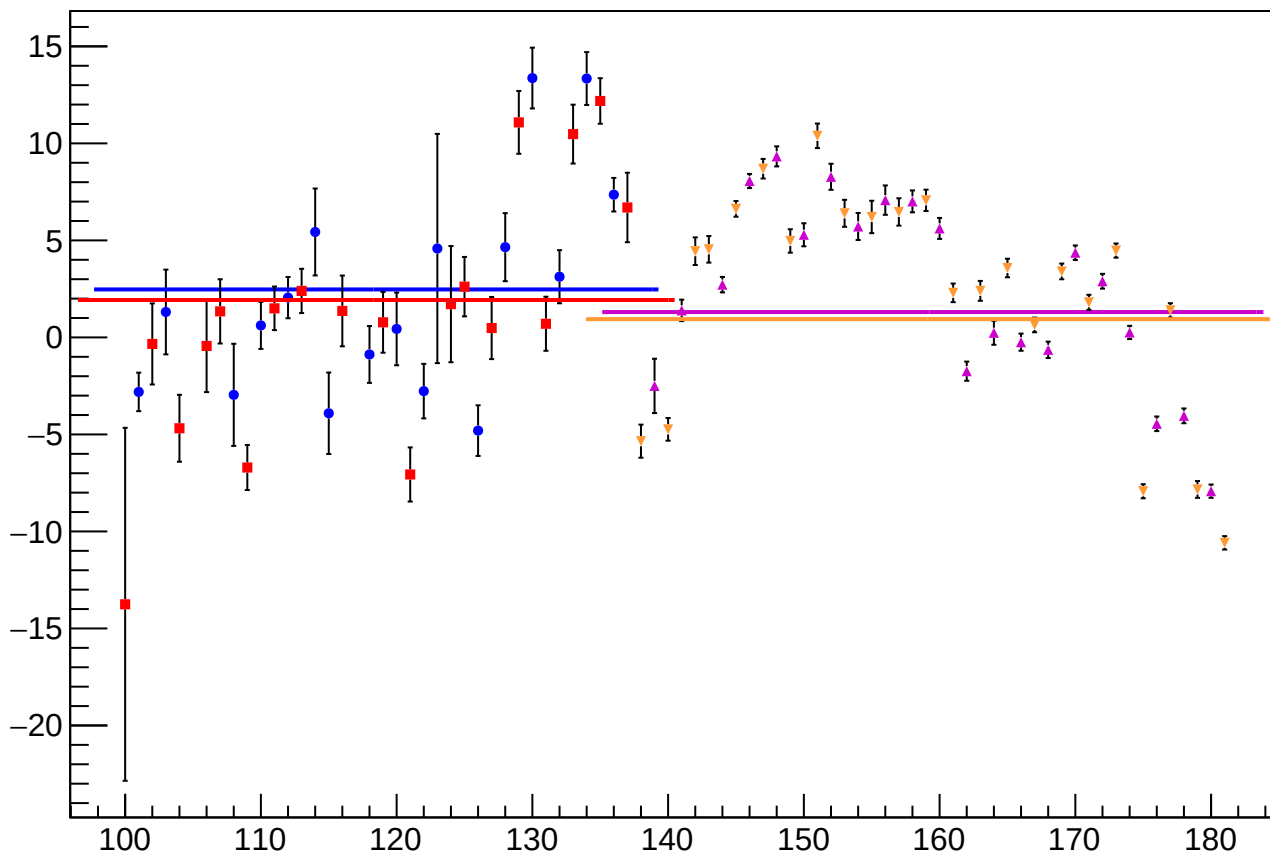
Right: -56.823 ± 0.381 χ^2/NDF : 1064.8/35

In: -46.986 ± 0.111 χ^2/NDF : 15173.9/37

Out: -46.999 ± 0.109 χ^2/NDF : 16999.7/41

All: -46.993 ± 0.078 χ^2/NDF : 32173.6/79

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.473 ± 0.345 χ^2/NDF : 243.6/16

Left Out: 0.941 ± 0.100 χ^2/NDF : 3494.8/22

Right Out: 1.928 ± 0.355 χ^2/NDF : 266.6/18

Left In: 1.307 ± 0.100 χ^2/NDF : 2346.9/20

Left: 1.123 ± 0.071 χ^2/NDF : 5848.4/43

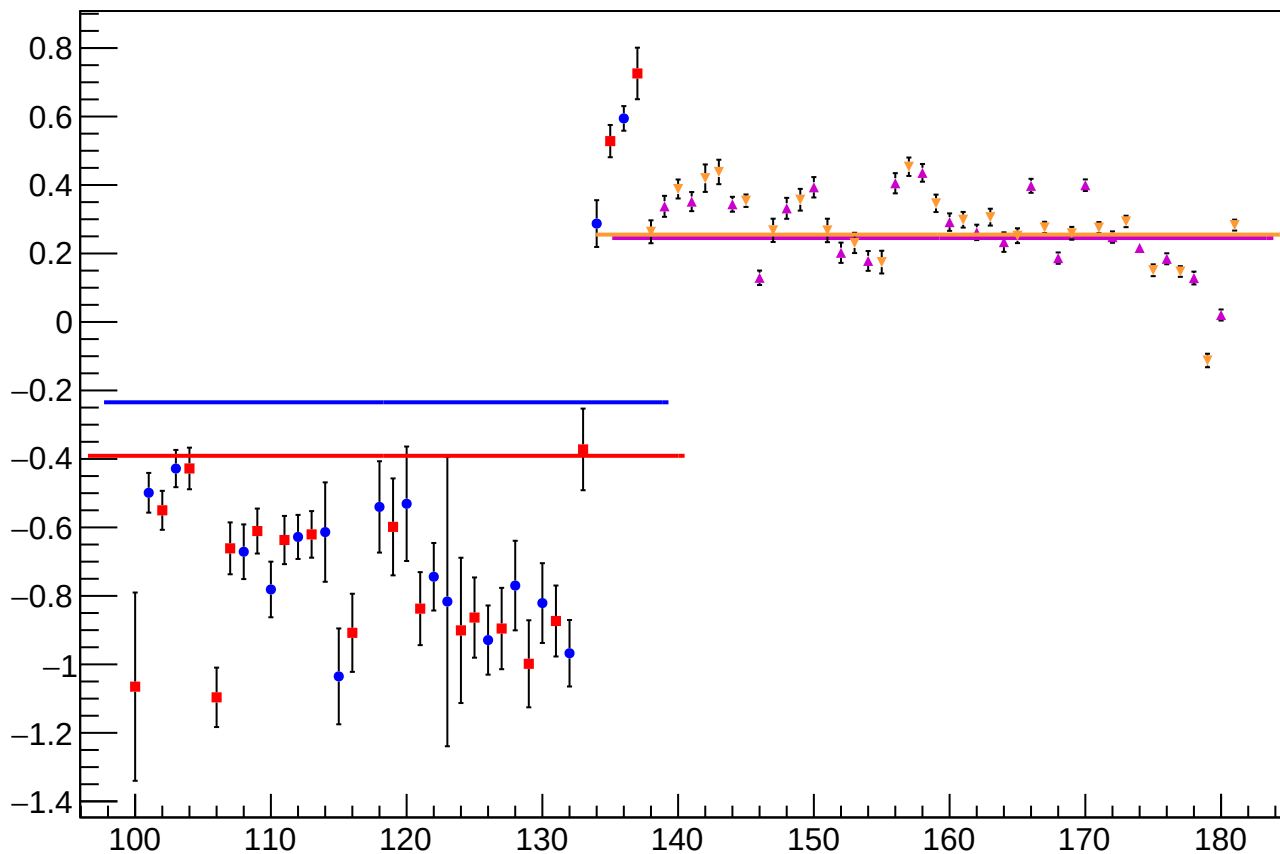
Right: 2.208 ± 0.248 χ^2/NDF : 511.4/35

In: 1.398 ± 0.096 χ^2/NDF : 2601.0/37

Out: 1.013 ± 0.096 χ^2/NDF : 3768.7/41

All: 1.205 ± 0.068 χ^2/NDF : 6377.6/79

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: 0.255+/-0.005 χ^2/NDF :629.8/22

Right Out: -0.391+/-0.019 χ^2/NDF : 853.3/18

Left In: 0.245+/-0.005 χ^2/NDF :604.4/20

Left: 0.250+/-0.003 χ^2/NDF : 1236.5/43

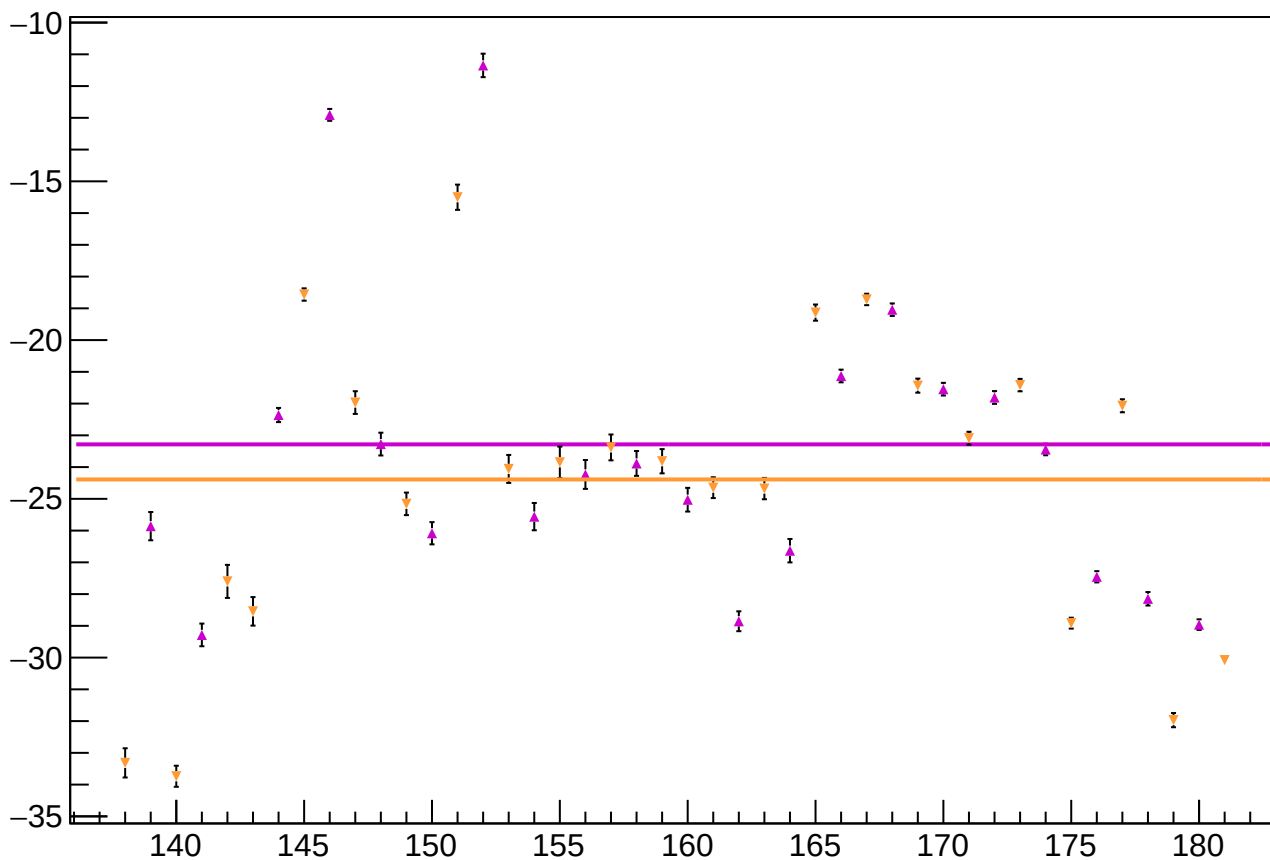
Right: -0.312+/-0.013 χ^2/NDF : 1845.8/35

In: 0.218+/-0.004 χ^2/NDF :2172.7/37

Out: 0.220+/-0.004 χ^2/NDF :2580.5/41

All: 0.219+/-0.003 χ^2/NDF : 4753.3/79

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -24.389+/-0.054 χ^2/NDF : 7978.6/22

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

Left In: -23.285+/-0.054 χ^2/NDF : 7887.7/20

Left: -23.839+/-0.038 χ^2/NDF : 16078.1/43

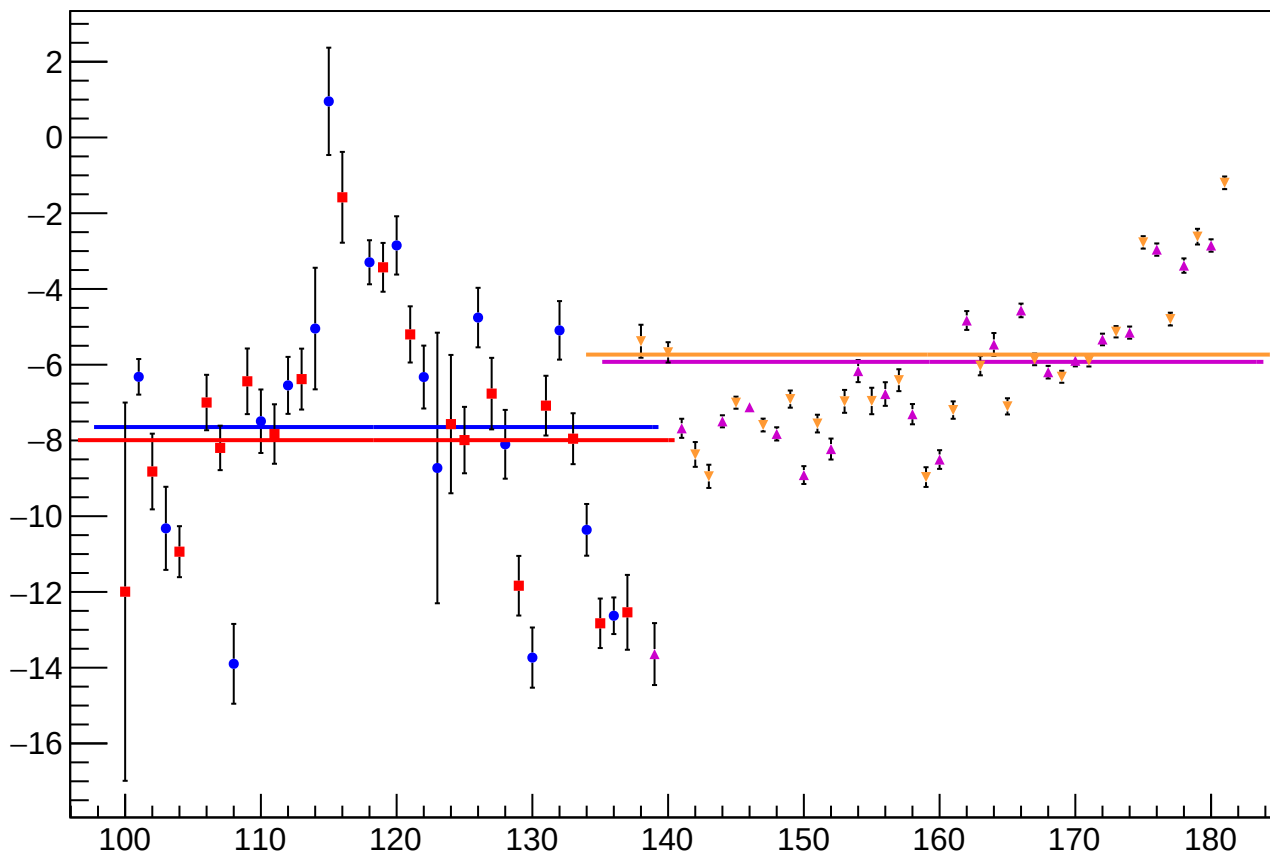
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -23.285+/-0.054 χ^2/NDF : 7887.7/20

Out: -24.389+/-0.054 χ^2/NDF : 7978.6/22

All: -23.839+/-0.038 χ^2/NDF : 16078.1/43

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: -5.733 ± 0.043 χ^2/NDF : 2068.5/22

Right Out: -7.992 ± 0.186 χ^2/NDF : 225.5/18

Left In: -5.925 ± 0.042 χ^2/NDF : 1813.5/20

Left: -5.830 ± 0.030 χ^2/NDF : 3892.3/43

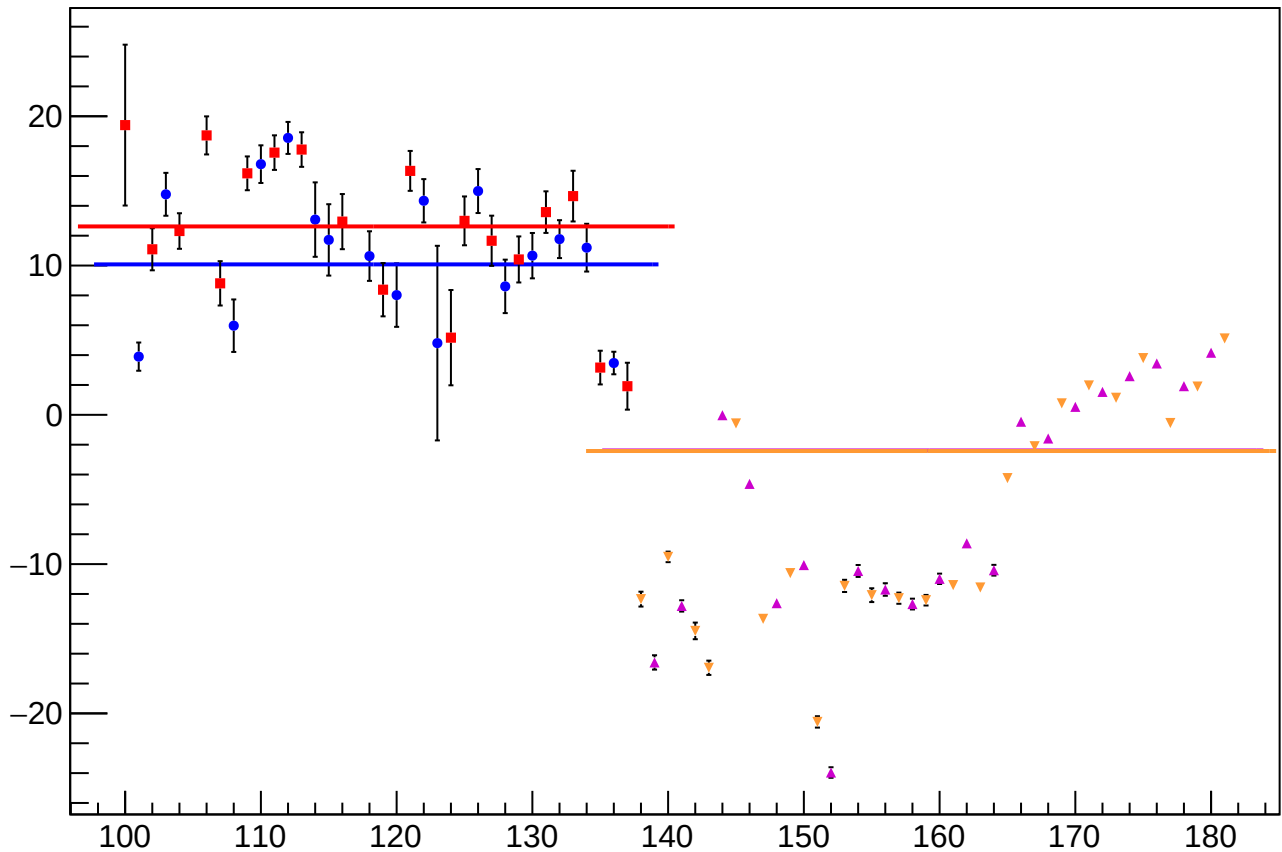
Right: -7.819 ± 0.131 χ^2/NDF : 620.8/35

In: -6.008 ± 0.041 χ^2/NDF : 2288.9/37

Out: -5.845 ± 0.041 χ^2/NDF : 2434.5/41

All: -5.928 ± 0.029 χ^2/NDF : 4731.2/79

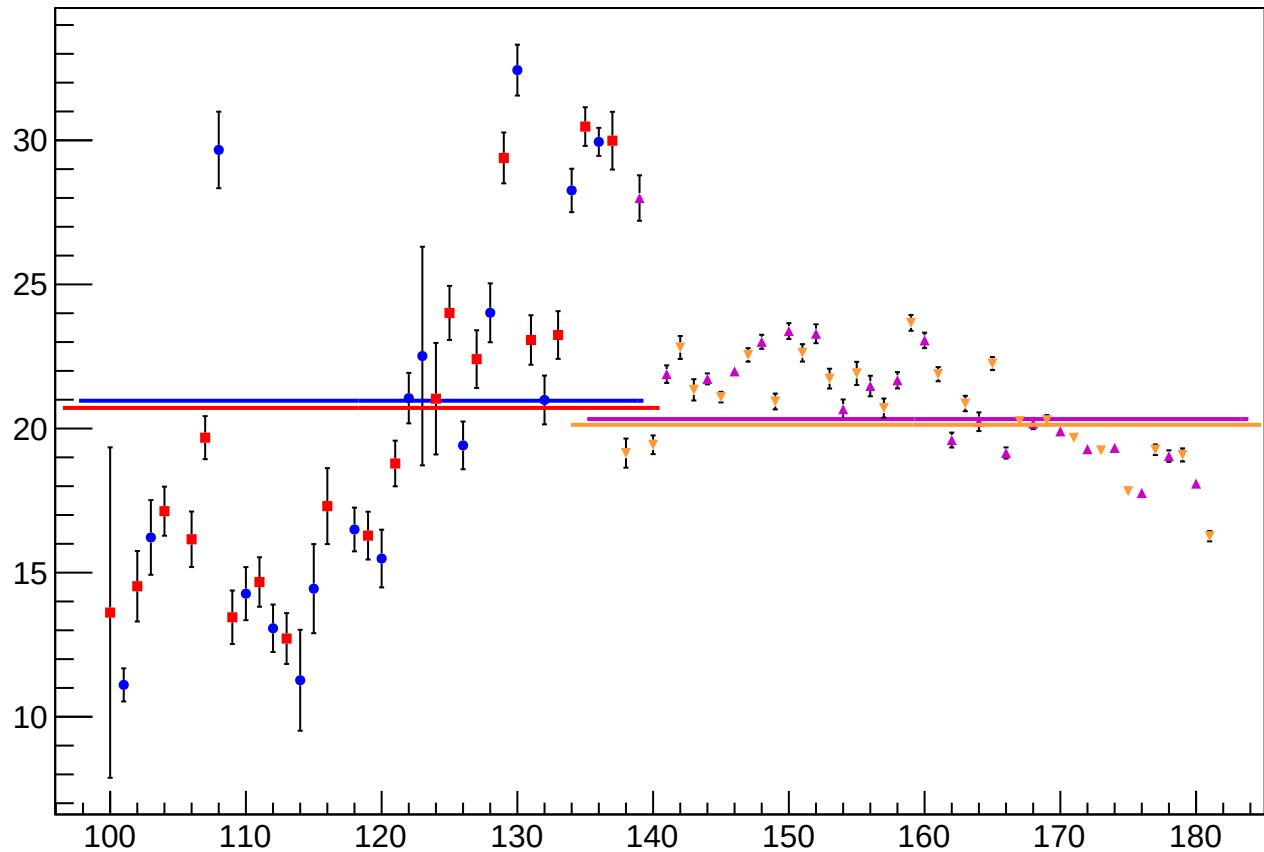
reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 10.077 ± 0.337 $\chi^2/\text{NDF}: 252.8/16$
 Left Out: -2.424 ± 0.054 $\chi^2/\text{NDF}: 15391.8/22$
 Right Out: 12.620 ± 0.332 $\chi^2/\text{NDF}: 220.0/18$
 Left In: -2.386 ± 0.054 $\chi^2/\text{NDF}: 14685.6/20$

Left: -2.405 ± 0.038 $\chi^2/\text{NDF}: 30077.7/43$
 Right: 11.365 ± 0.237 $\chi^2/\text{NDF}: 501.6/35$
 In: -2.077 ± 0.053 $\chi^2/\text{NDF}: 16274.0/37$
 Out: -2.039 ± 0.053 $\chi^2/\text{NDF}: 17607.3/41$
 All: -2.058 ± 0.038 $\chi^2/\text{NDF}: 33881.6/79$

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: 20.130 $\pm$ 0.048 χ^2 /NDF:1360.1/22

Right Out: 20.716 $\pm$ 0.213 χ^2 /NDF: 729.9/18

Left In: 20.329 $\pm$ 0.047 χ^2 /NDF:1313.0/20

Left: 20.230 $\pm$ 0.034 χ^2 /NDF: 2681.9/43

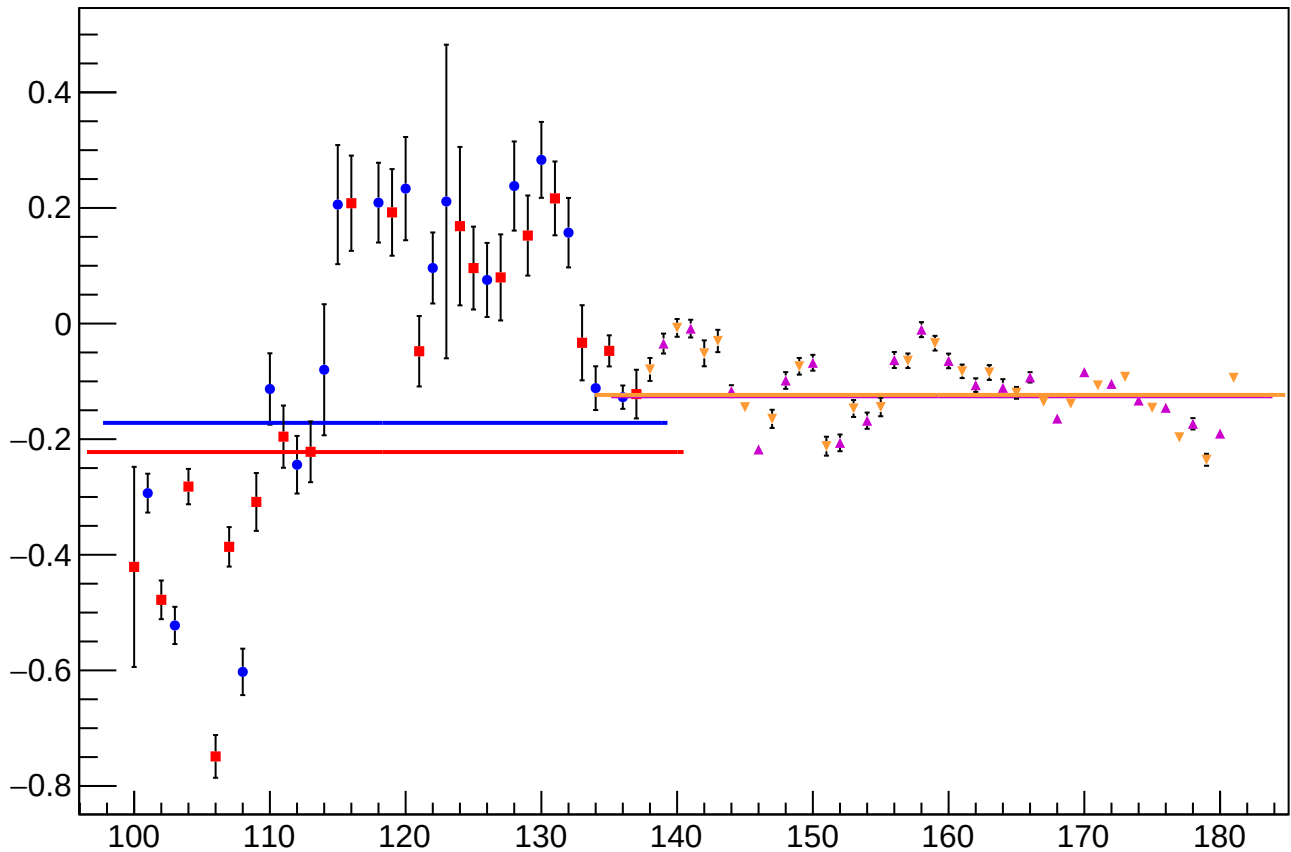
Right: 20.842 $\pm$ 0.149 χ^2 /NDF: 1956.1/35

In: 20.360 $\pm$ 0.046 χ^2 /NDF:2547.3/37

Out: 20.158 $\pm$ 0.047 χ^2 /NDF:2097.2/41

All: 20.259 $\pm$ 0.033 χ^2 /NDF: 4654.0/79

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: -0.123 ± 0.002 χ^2/NDF : 504.5/22

Right Out: -0.222 ± 0.011 χ^2/NDF : 536.1/18

Left In: -0.126 ± 0.002 χ^2/NDF : 567.8/20

Left: -0.125 ± 0.002 χ^2/NDF : 1072.9/43

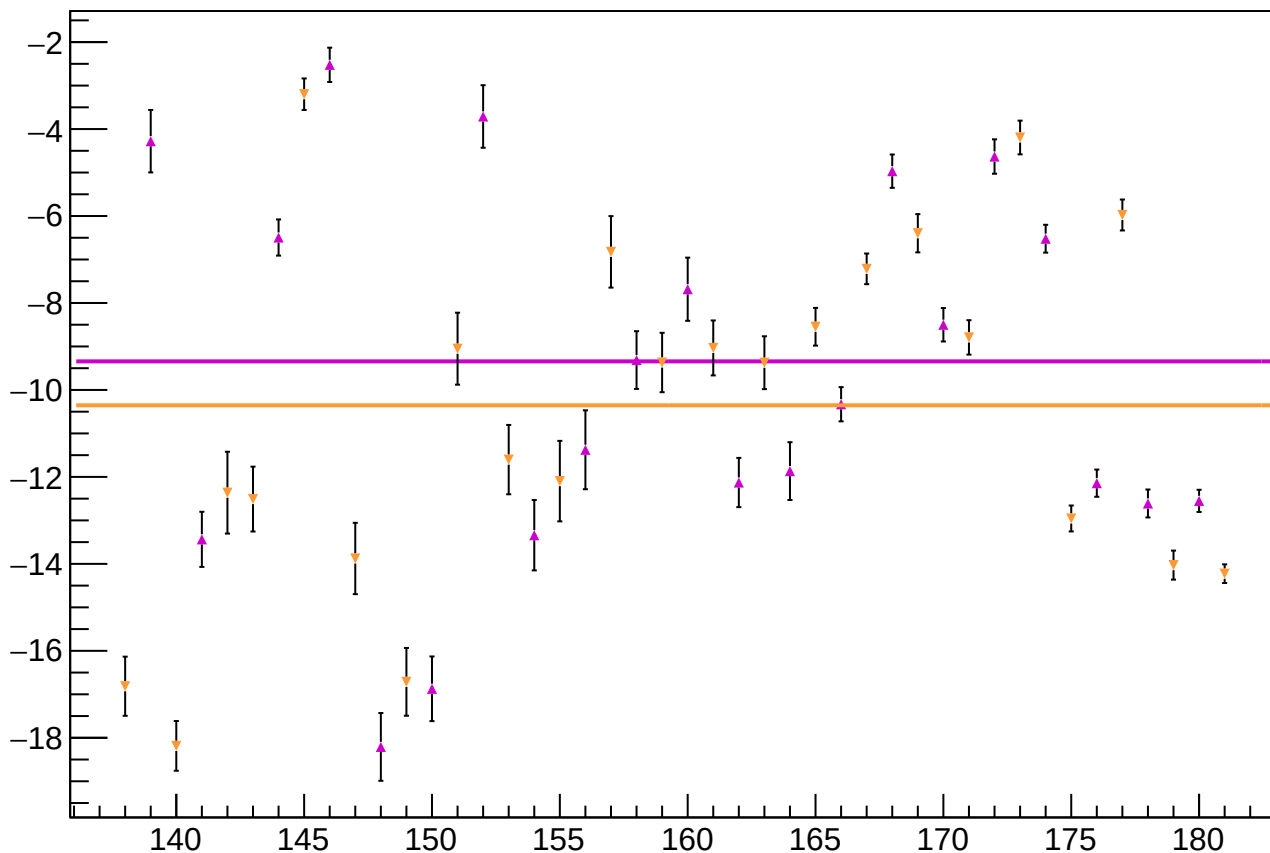
Right: -0.198 ± 0.008 χ^2/NDF : 1010.7/35

In: -0.128 ± 0.002 χ^2/NDF : 1048.3/37

Out: -0.127 ± 0.002 χ^2/NDF : 1119.0/41

All: -0.127 ± 0.002 χ^2/NDF : 2167.3/79

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: -10.353 $\pm$ 0.094 χ^2 /NDF:1921.2/22

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

Left In: -9.343 $\pm$ 0.097 χ^2 /NDF:1506.1/20

Left: -9.865 $\pm$ 0.068 χ^2 /NDF: 3483.0/43

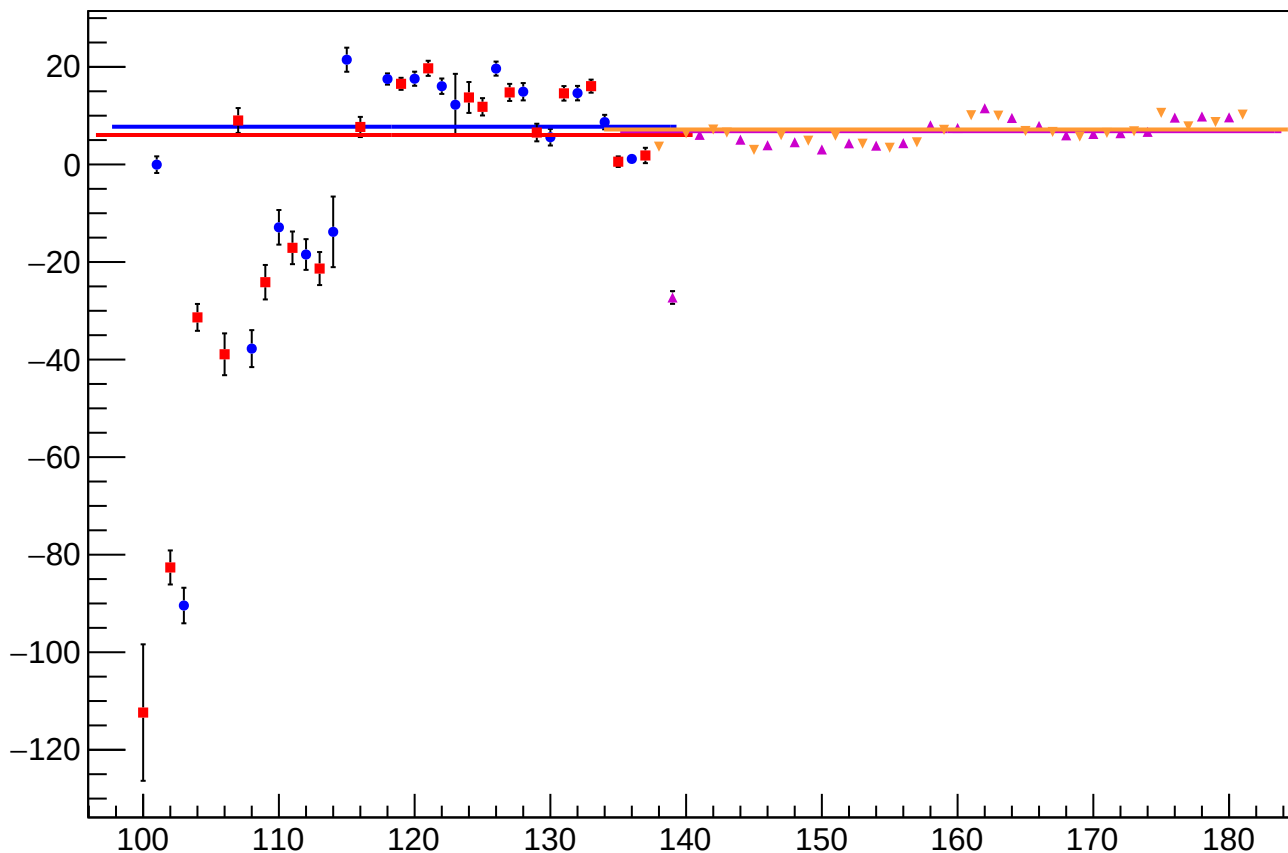
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -9.343 $\pm$ 0.097 χ^2 /NDF:1506.1/20

Out: -10.353 $\pm$ 0.094 χ^2 /NDF:1921.2/22

All: -9.865 $\pm$ 0.068 χ^2 /NDF: 3483.0/43

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.736 ± 0.403 χ^2/NDF : 1358.4/16

Left Out: 7.170 ± 0.077 χ^2/NDF : 817.1/22

Right Out: 6.040 ± 0.434 χ^2/NDF : 1512.1/18

Left In: 6.821 ± 0.078 χ^2/NDF : 1504.2/20

Left: 6.998 ± 0.055 χ^2/NDF : 2331.4/43

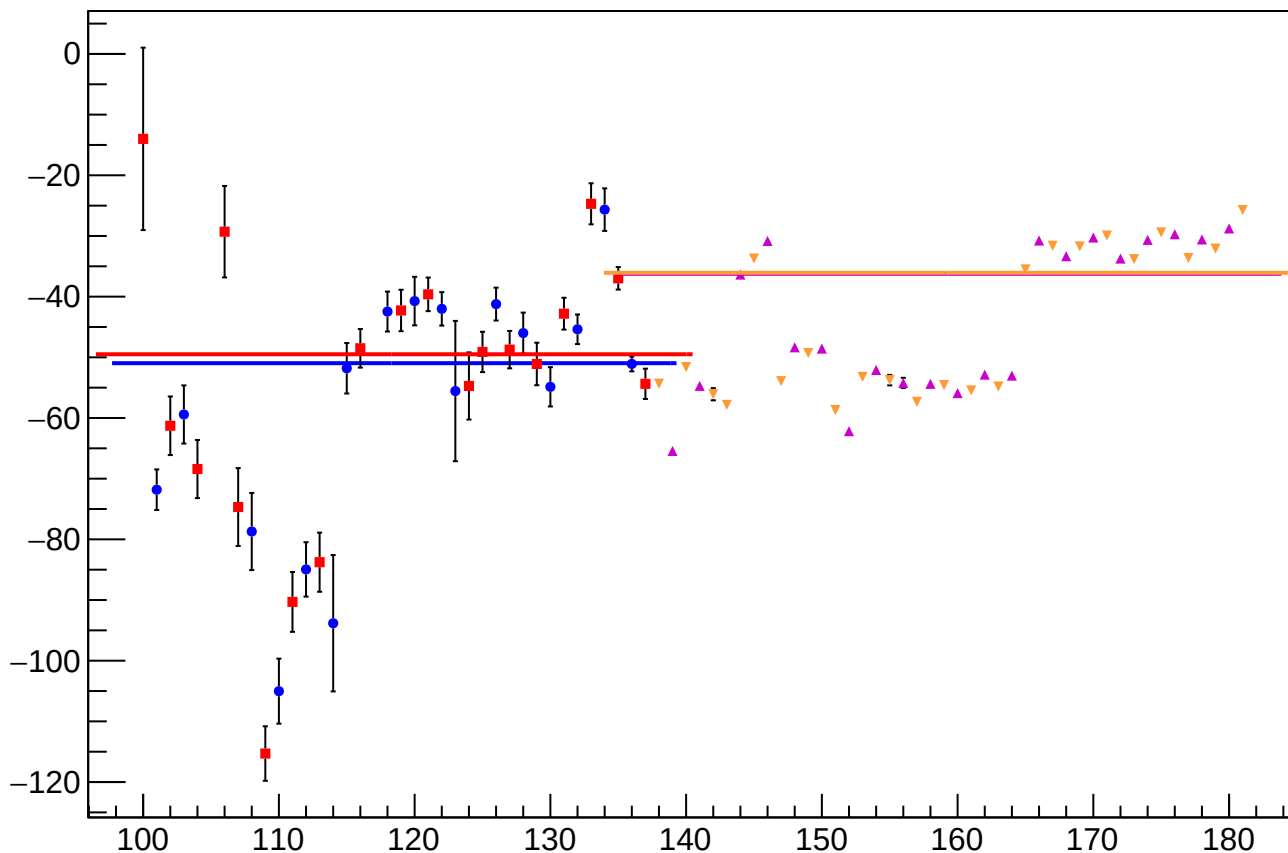
Right: 6.952 ± 0.295 χ^2/NDF : 2878.8/35

In: 6.854 ± 0.077 χ^2/NDF : 2867.6/37

Out: 7.136 ± 0.076 χ^2/NDF : 2335.8/41

All: 6.996 ± 0.054 χ^2/NDF : 5210.2/79

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: -36.068 ± 0.095 χ^2/NDF : 12143.2/22

Right Out: -49.497 ± 0.797 χ^2/NDF : 510.4/18

Left In: -36.241 ± 0.097 χ^2/NDF : 11010.0/20

Left: -36.152 ± 0.068 χ^2/NDF : 23154.8/43

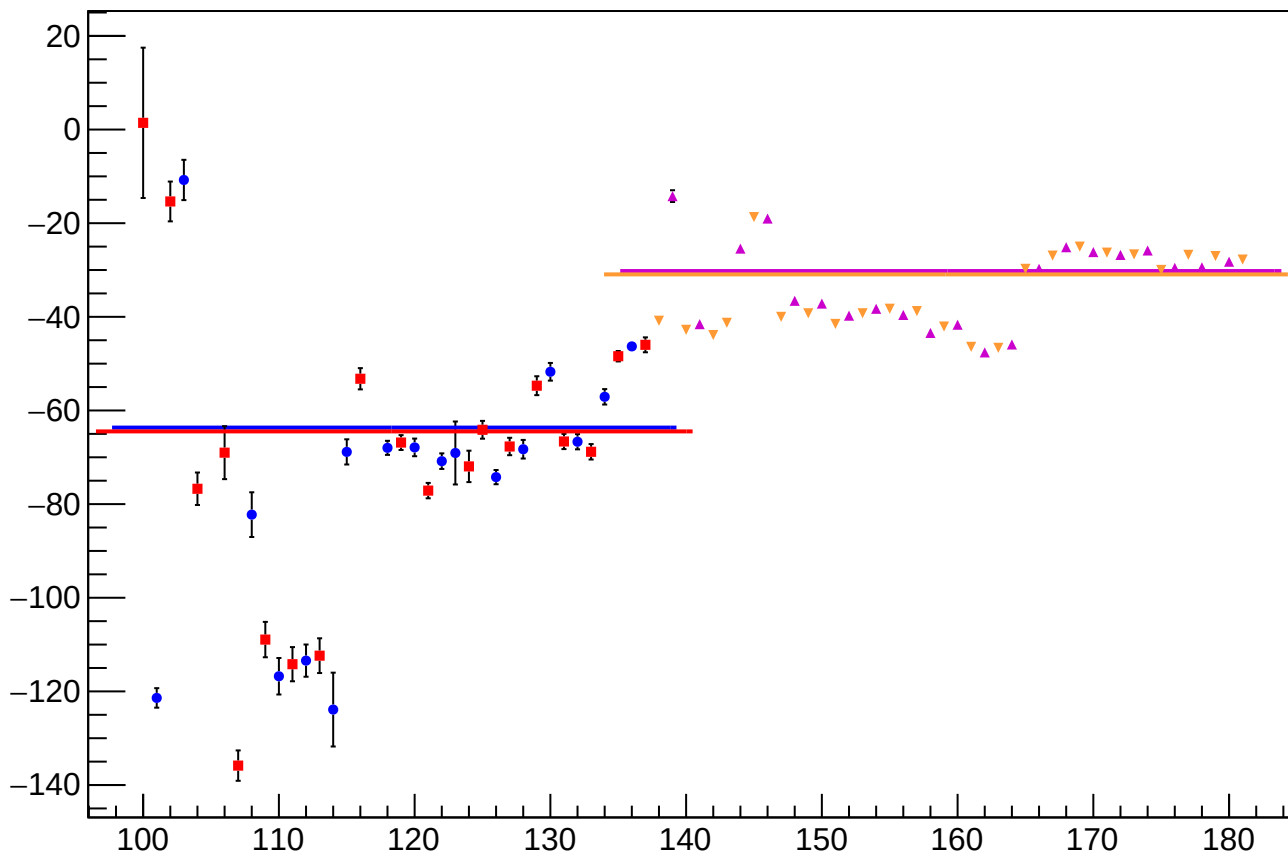
Right: -50.288 ± 0.541 χ^2/NDF : 844.9/35

In: -36.493 ± 0.097 χ^2/NDF : 11734.3/37

Out: -36.255 ± 0.094 χ^2/NDF : 12933.3/41

All: -36.371 ± 0.067 χ^2/NDF : 24670.8/79

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: -30.933 ± 0.086 χ^2/NDF : 7665.0/22

Right Out: -64.470 ± 0.483 χ^2/NDF : 1606.8/18

Left In: -30.220 ± 0.087 χ^2/NDF : 6969.7/20

Left: -30.582 ± 0.061 χ^2/NDF : 14668.6/43

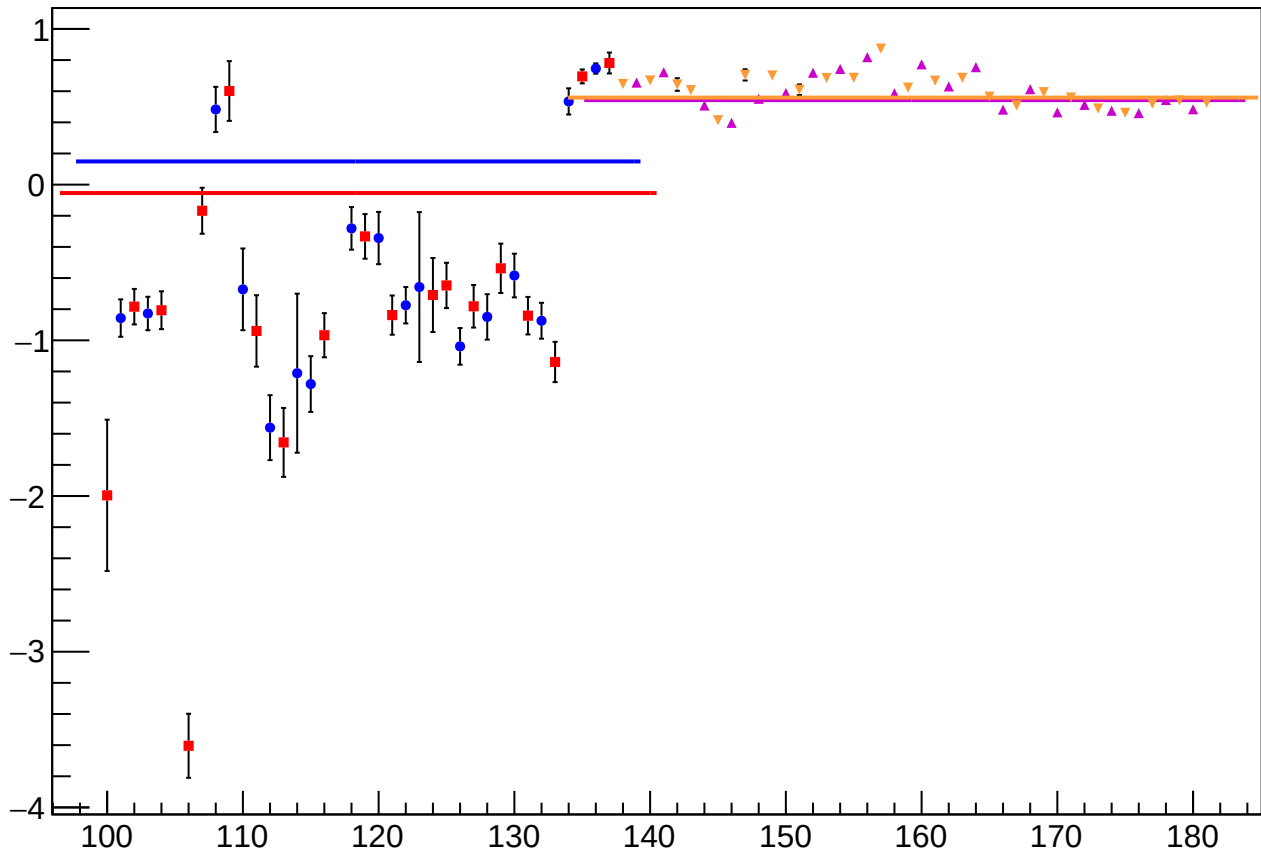
Right: -64.030 ± 0.327 χ^2/NDF : 3623.1/35

In: -31.456 ± 0.086 χ^2/NDF : 14412.6/37

Out: -31.965 ± 0.085 χ^2/NDF : 13954.1/41

All: -31.714 ± 0.060 χ^2/NDF : 28384.6/79

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: 0.559 $\pm$ 0.004 χ^2 /NDF:519.3/22

Right Out: -0.054 $\pm$ 0.026 χ^2 /NDF: 1167.9/18

Left In: 0.543 $\pm$ 0.004 χ^2 /NDF:658.9/20

Left: 0.551 $\pm$ 0.003 χ^2 /NDF: 1186.2/43

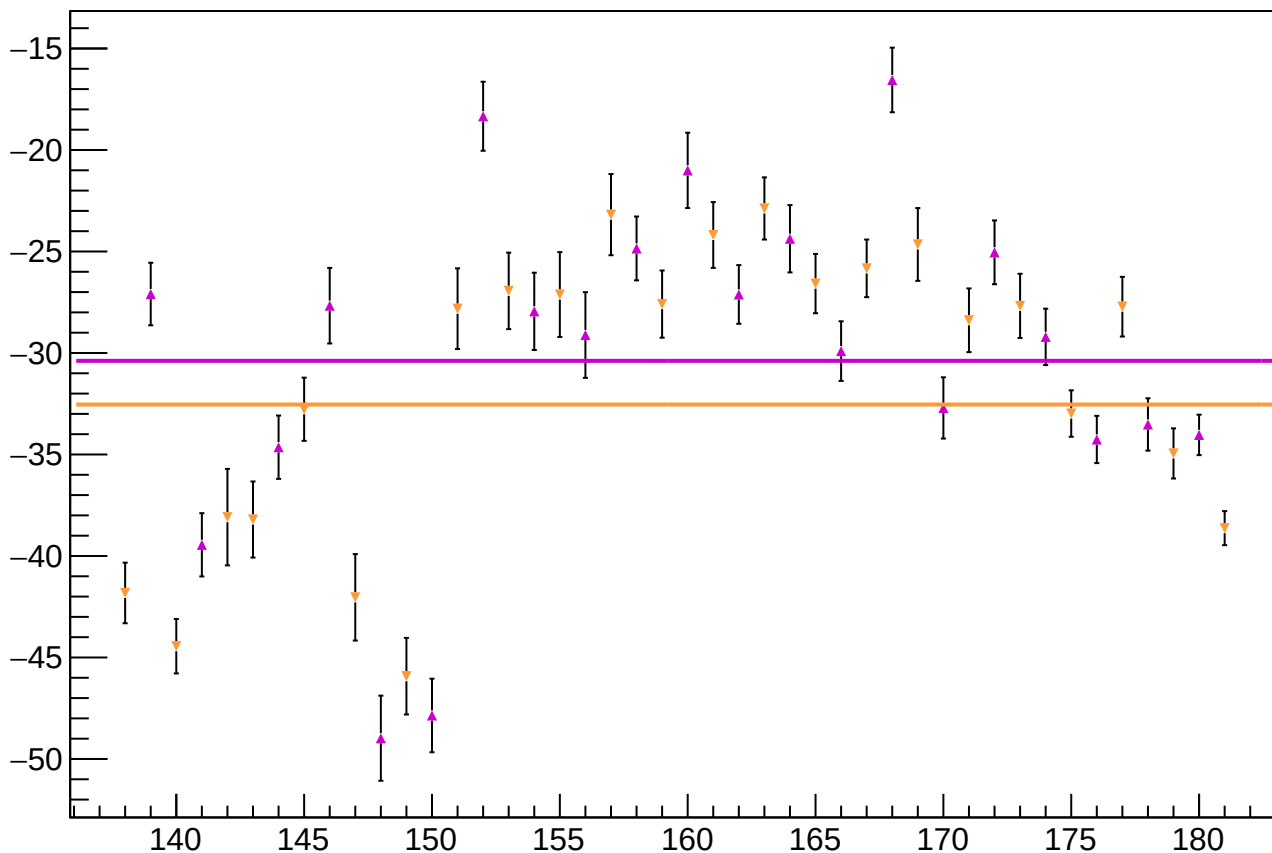
Right: 0.056 $\pm$ 0.018 χ^2 /NDF: 2190.5/35

In: 0.532 $\pm$ 0.004 χ^2 /NDF:1911.7/37

Out: 0.545 $\pm$ 0.004 χ^2 /NDF:2222.4/41

All: 0.539 $\pm$ 0.003 χ^2 /NDF: 4139.7/79

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -32.539+/-0.317 χ^2/NDF :462.7/22

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

Left In: -30.386+/-0.333 χ^2/NDF :448.8/20

Left: -31.516+/-0.230 χ^2/NDF : 933.5/43

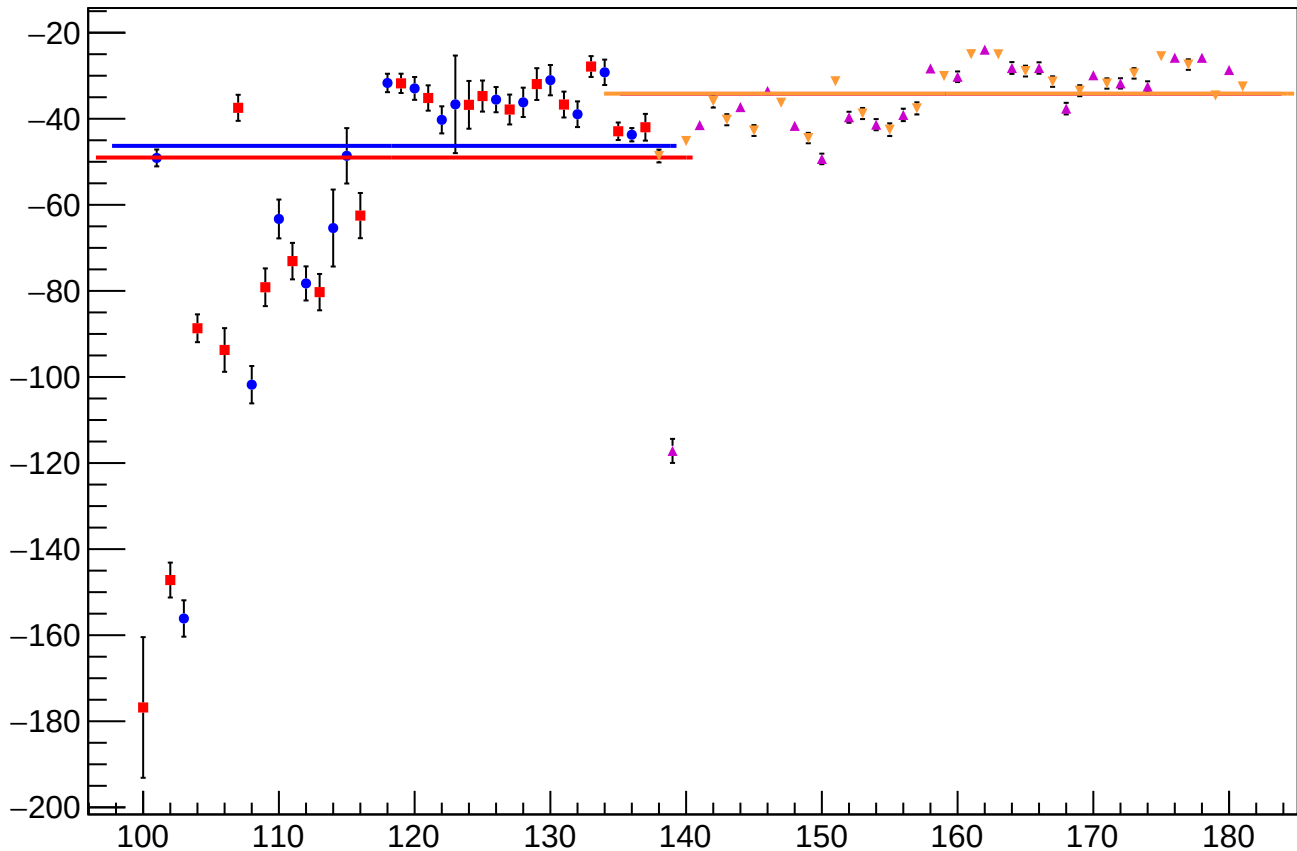
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -30.386+/-0.333 χ^2/NDF :448.8/20

Out: -32.539+/-0.317 χ^2/NDF :462.7/22

All: -31.516+/-0.230 χ^2/NDF : 933.5/43

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: -34.163 ± 0.251 $\chi^2/\text{NDF}: 676.8/22$

Right Out: -49.008 ± 0.764 $\chi^2/\text{NDF}: 1271.7/18$

Left In: -34.221 ± 0.262 $\chi^2/\text{NDF}: 1529.0/20$

Left: -34.191 ± 0.181 $\chi^2/\text{NDF}: 2205.9/43$

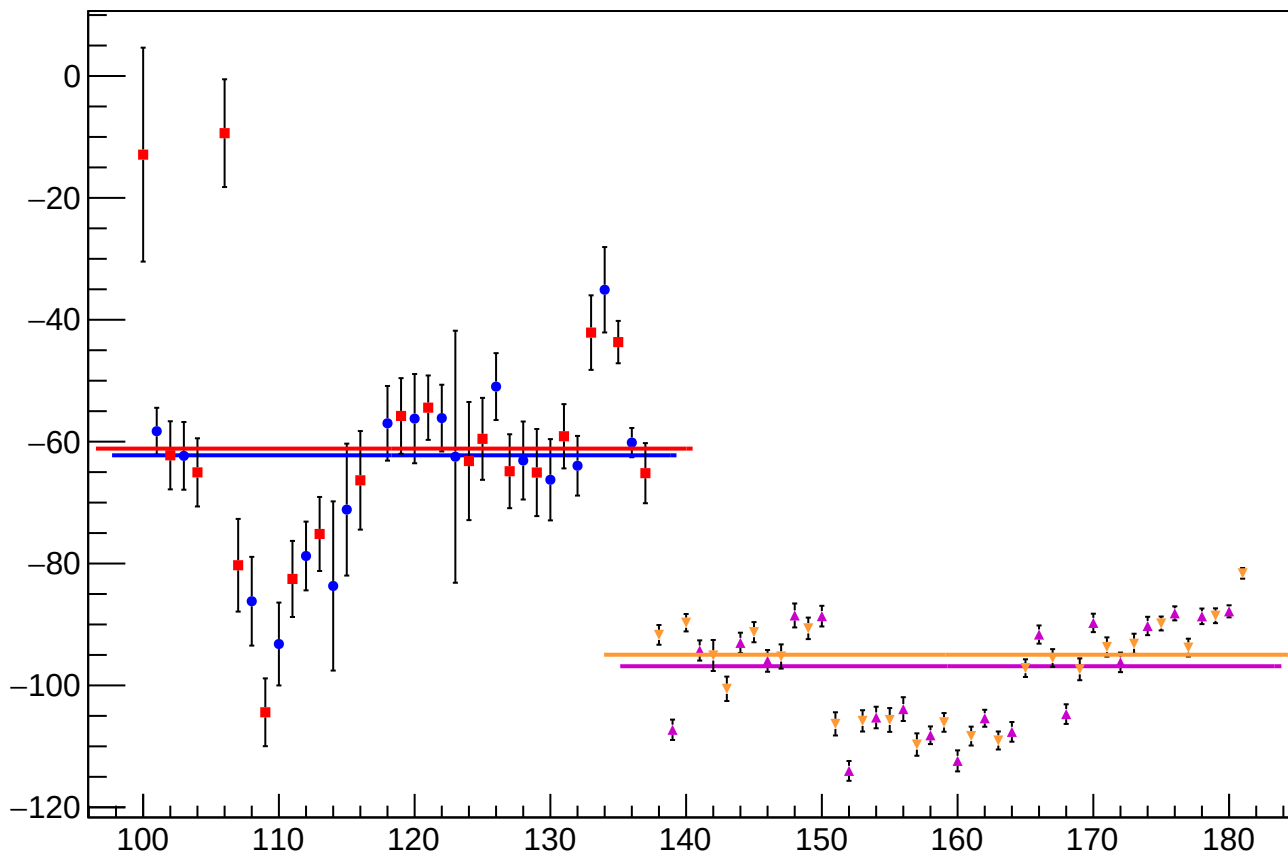
Right: -47.580 ± 0.525 $\chi^2/\text{NDF}: 2362.3/35$

In: -35.628 ± 0.247 $\chi^2/\text{NDF}: 2859.8/37$

Out: -35.606 ± 0.238 $\chi^2/\text{NDF}: 2289.5/41$

All: -35.617 ± 0.171 $\chi^2/\text{NDF}: 5149.4/79$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.242 ± 1.310 χ^2/NDF : 67.4/16

Left Out: -94.965 ± 0.317 χ^2/NDF : 711.3/22

Right Out: -61.142 ± 1.379 χ^2/NDF : 165.6/18

Left In: -96.851 ± 0.330 χ^2/NDF : 717.5/20

Left: -95.870 ± 0.229 χ^2/NDF : 1445.8/43

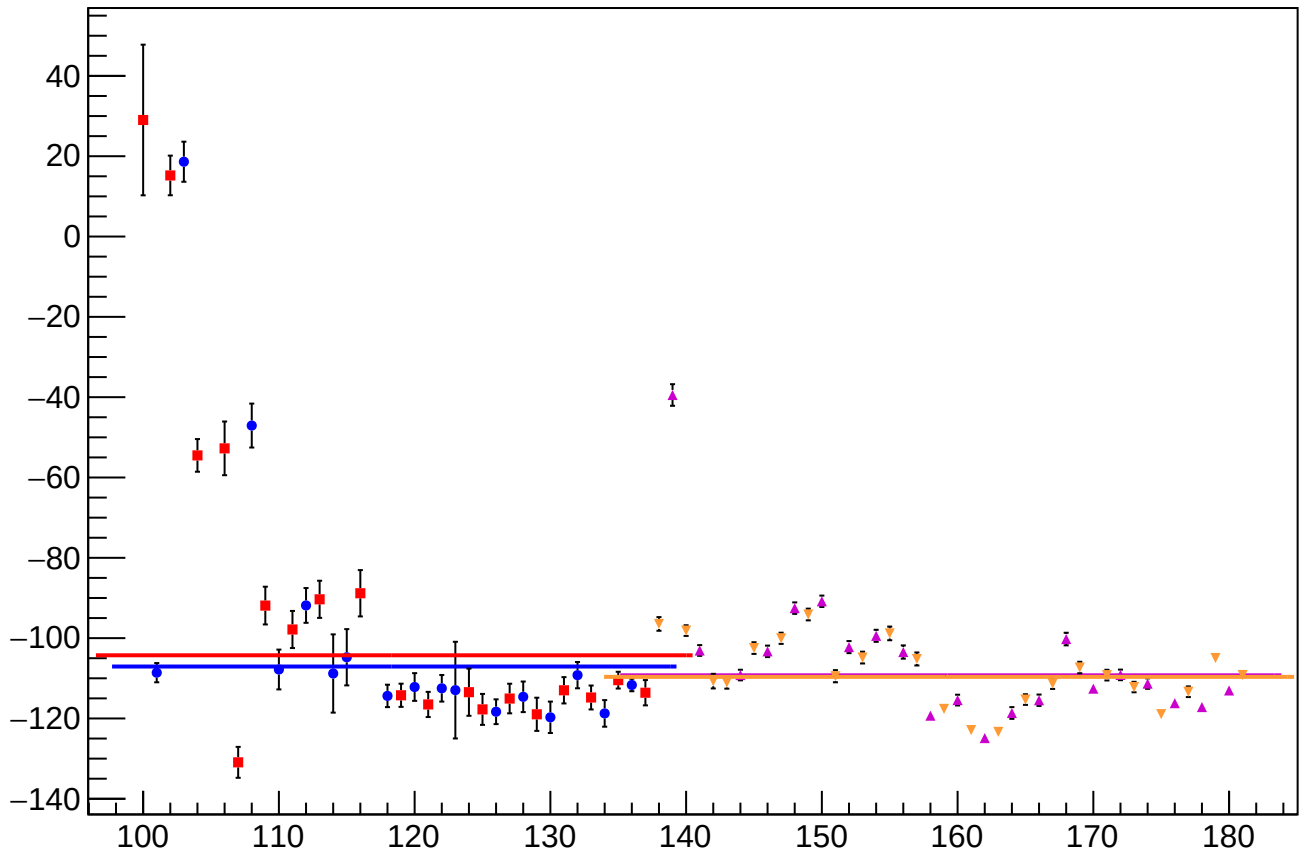
Right: -61.720 ± 0.950 χ^2/NDF : 233.3/35

In: -94.781 ± 0.320 χ^2/NDF : 1441.0/37

Out: -93.266 ± 0.309 χ^2/NDF : 1447.9/41

All: -93.996 ± 0.223 χ^2/NDF : 2900.4/79

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: -109.644 ± 0.283 χ^2/NDF : 782.2/22

Right Out: -104.269 ± 0.861 χ^2/NDF : 1018.6/18

Left In: -109.259 ± 0.294 χ^2/NDF : 1556.2/20

Left: -109.459 ± 0.204 χ^2/NDF : 2339.4/43

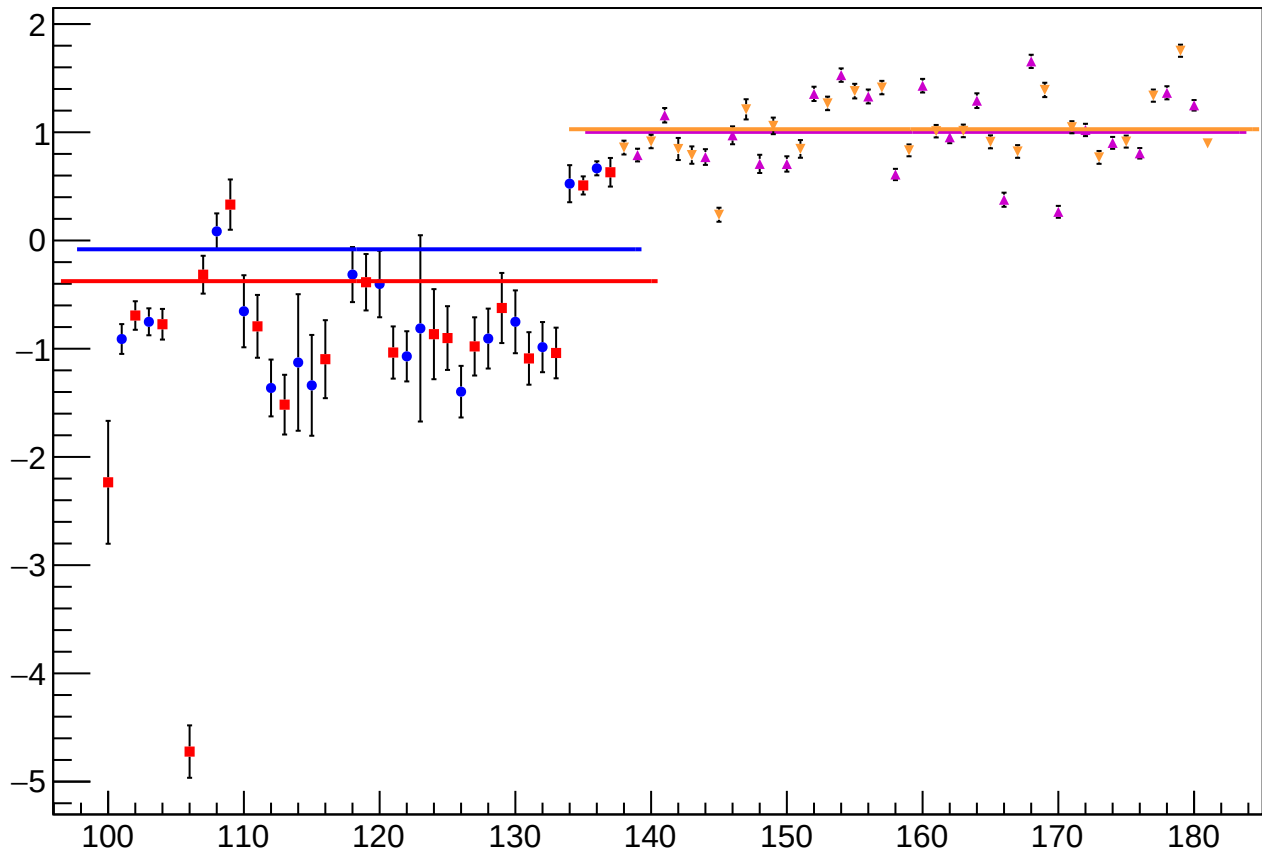
Right: -105.751 ± 0.590 χ^2/NDF : 1852.6/35

In: -109.004 ± 0.276 χ^2/NDF : 2391.0/37

Out: -109.122 ± 0.268 χ^2/NDF : 1836.1/41

All: -109.065 ± 0.193 χ^2/NDF : 4227.2/79

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: 1.028 ± 0.013 χ^2/NDF : 547.5/22

Right Out: -0.376 ± 0.044 χ^2/NDF : 583.0/18

Left In: 1.004 ± 0.013 χ^2/NDF : 771.8/20

Left: 1.016 ± 0.009 χ^2/NDF : 1321.0/43

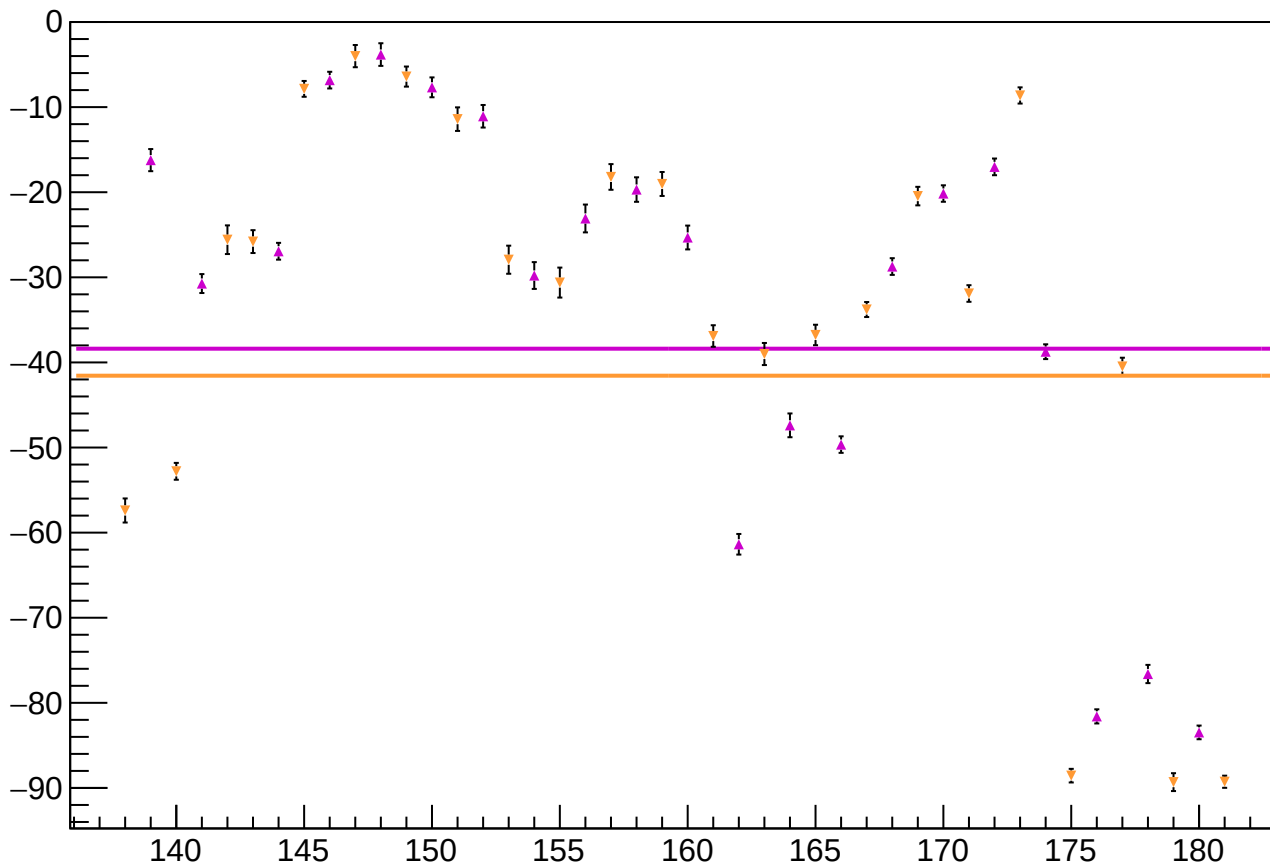
Right: -0.223 ± 0.030 χ^2/NDF : 935.4/35

In: 0.906 ± 0.013 χ^2/NDF : 1703.0/37

Out: 0.915 ± 0.012 χ^2/NDF : 2071.1/41

All: 0.910 ± 0.009 χ^2/NDF : 3774.4/79

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: -41.559+/-0.232 χ^2/NDF :16352.1/22

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

Left In: -38.386+/-0.238 χ^2/NDF :12250.0/20

Left: -40.013+/-0.166 χ^2/NDF : 28693.3/43

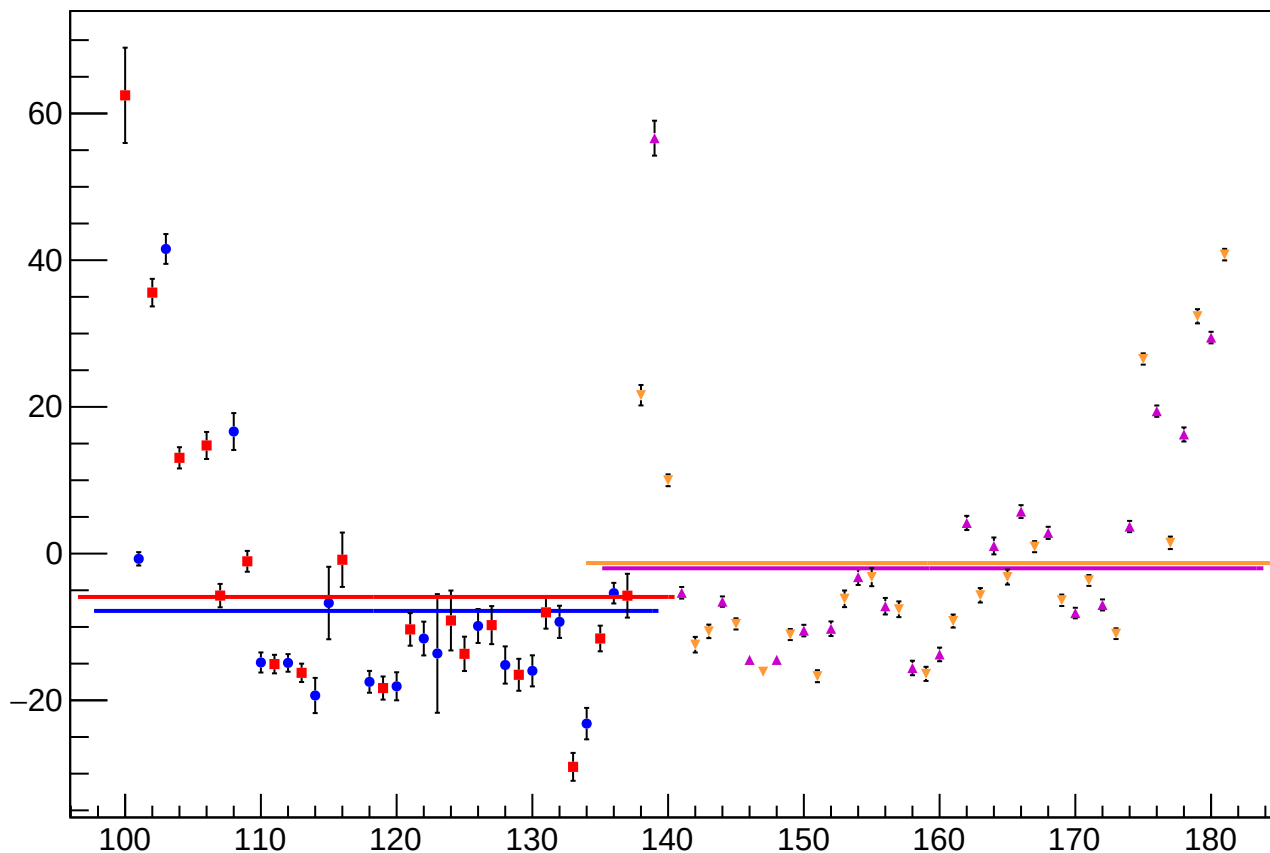
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -38.386+/-0.238 χ^2/NDF :12250.0/20

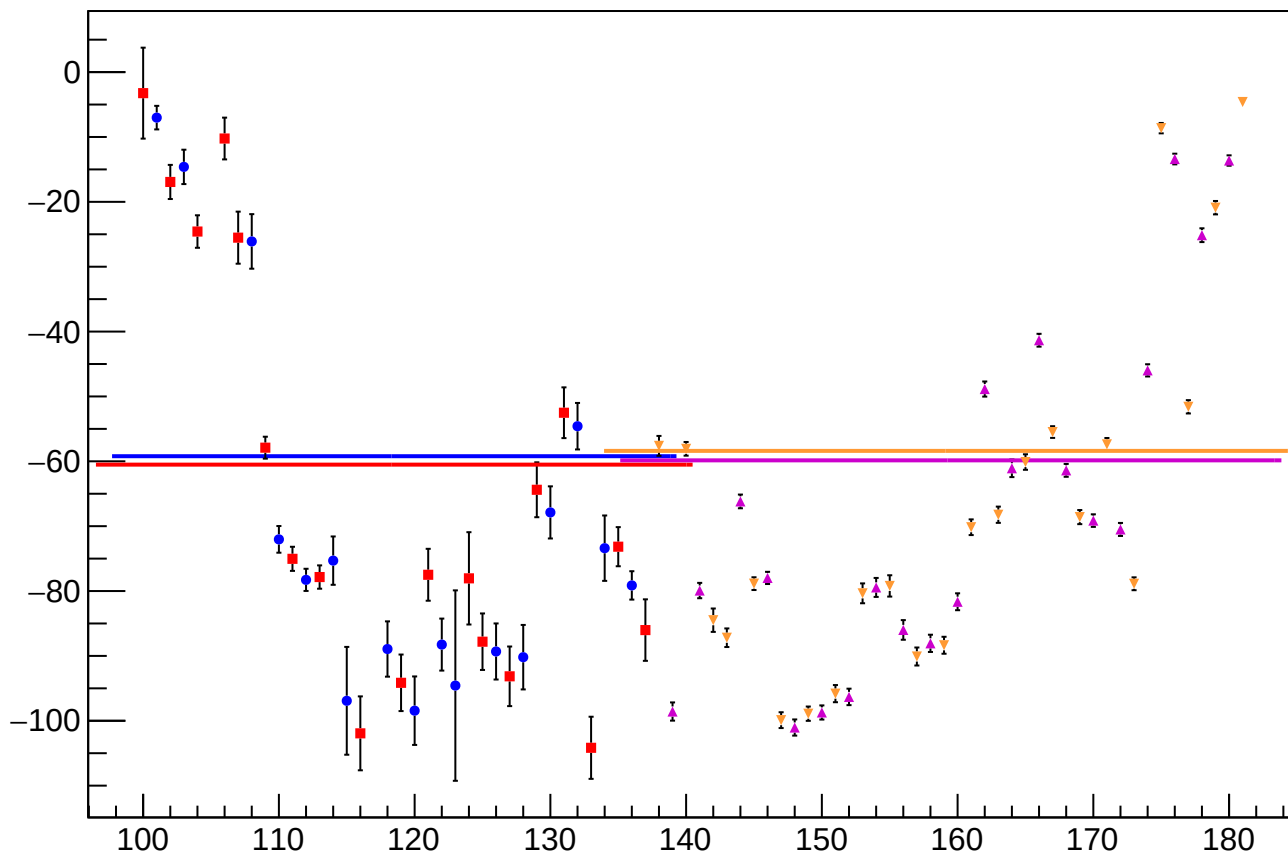
Out: -41.559+/-0.232 χ^2/NDF :16352.1/22

All: -40.013+/-0.166 χ^2/NDF : 28693.3/43

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.214 ± 0.744 χ^2/NDF : 1720.4/16

Left Out: -58.392 ± 0.232 χ^2/NDF : 16917.9/22

Right Out: -60.513 ± 0.704 χ^2/NDF : 1383.9/18

Left In: -59.853 ± 0.237 χ^2/NDF : 14293.0/20

Left: -59.108 ± 0.166 χ^2/NDF : 31230.2/43

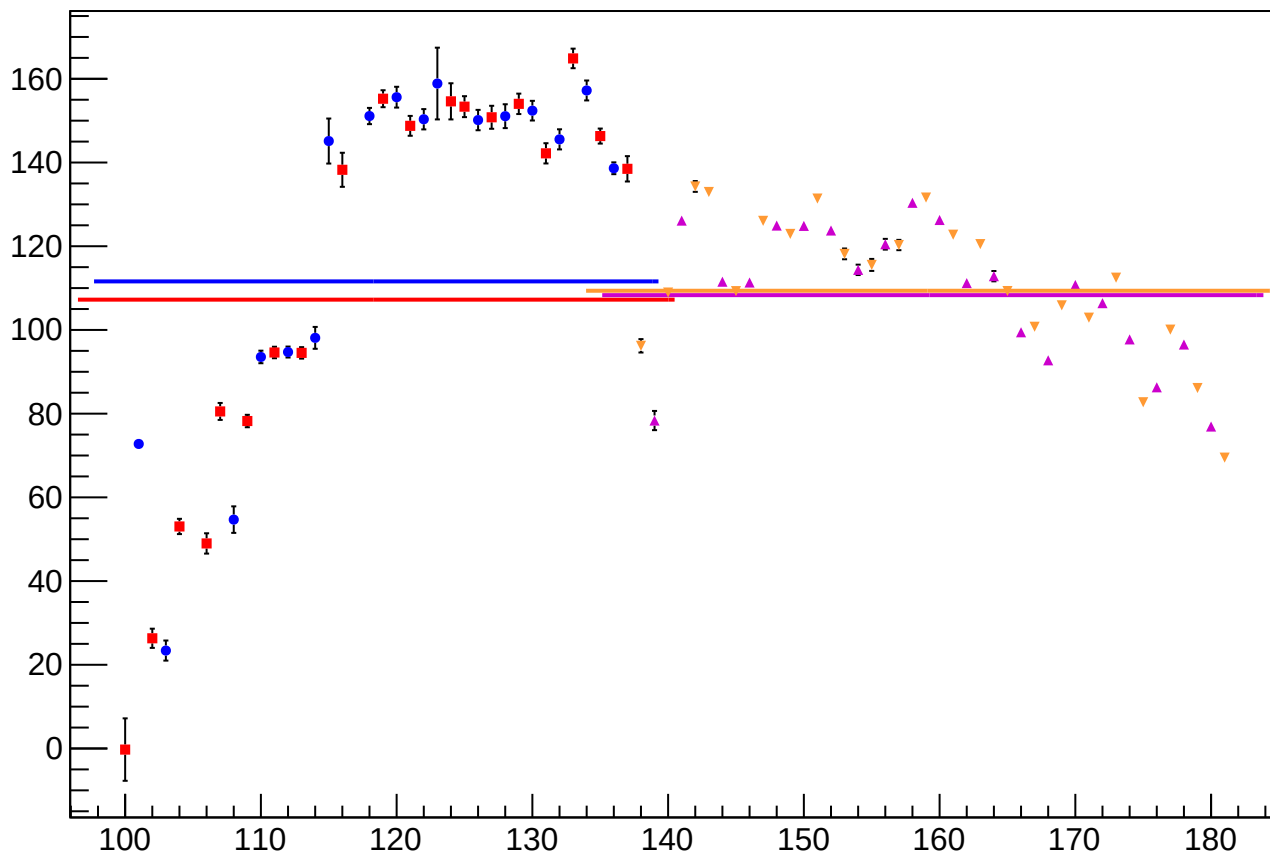
Right: -59.899 ± 0.511 χ^2/NDF : 3105.9/35

In: -59.794 ± 0.226 χ^2/NDF : 16014.1/37

Out: -58.600 ± 0.221 χ^2/NDF : 18310.0/41

All: -59.184 ± 0.158 χ^2/NDF : 34338.3/79

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.599 ± 0.487 $\chi^2/\text{NDF}: 5959.5/16$

Left Out: 109.365 ± 0.204 $\chi^2/\text{NDF}: 6978.7/22$

Right Out: 107.238 ± 0.488 $\chi^2/\text{NDF}: 7037.4/18$

Left In: 108.315 ± 0.208 $\chi^2/\text{NDF}: 5062.8/20$

Left: 108.851 ± 0.146 $\chi^2/\text{NDF}: 12054.5/43$

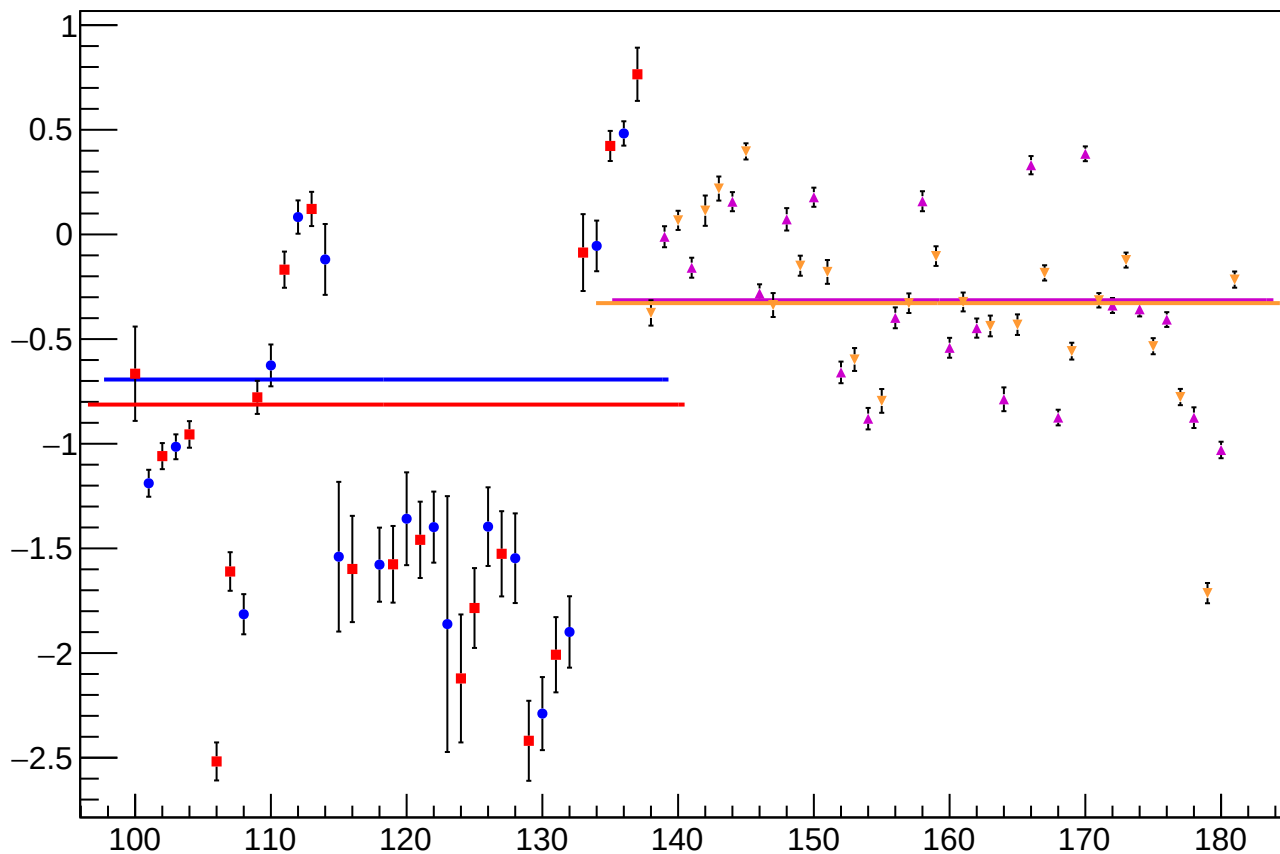
Right: 109.423 ± 0.344 $\chi^2/\text{NDF}: 13037.0/35$

In: 108.823 ± 0.192 $\chi^2/\text{NDF}: 11060.8/37$

Out: 109.049 ± 0.188 $\chi^2/\text{NDF}: 14032.3/41$

All: 108.938 ± 0.134 $\chi^2/\text{NDF}: 25093.8/79$

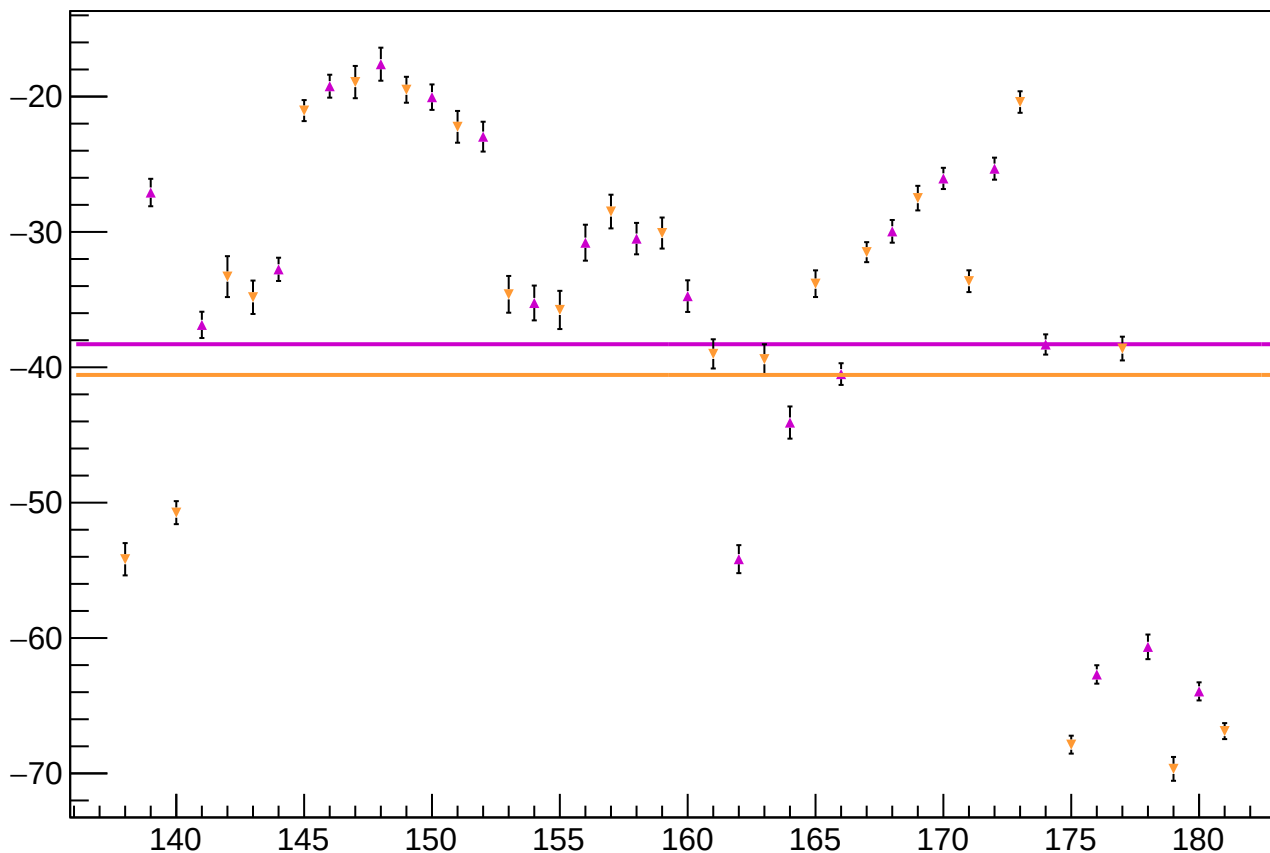
reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.693 ± 0.026 χ^2/NDF : 993.1/16
 Left Out: -0.328 ± 0.009 χ^2/NDF : 1771.8/22
 Right Out: -0.813 ± 0.024 χ^2/NDF : 1310.7/18
 Left In: -0.314 ± 0.010 χ^2/NDF : 1992.9/20

Left: -0.321 ± 0.007 χ^2/NDF : 3765.8/43
 Right: -0.756 ± 0.018 χ^2/NDF : 2315.2/35
 In: -0.360 ± 0.009 χ^2/NDF : 3175.9/37
 Out: -0.391 ± 0.009 χ^2/NDF : 3427.4/41
 All: -0.376 ± 0.006 χ^2/NDF : 6609.6/79

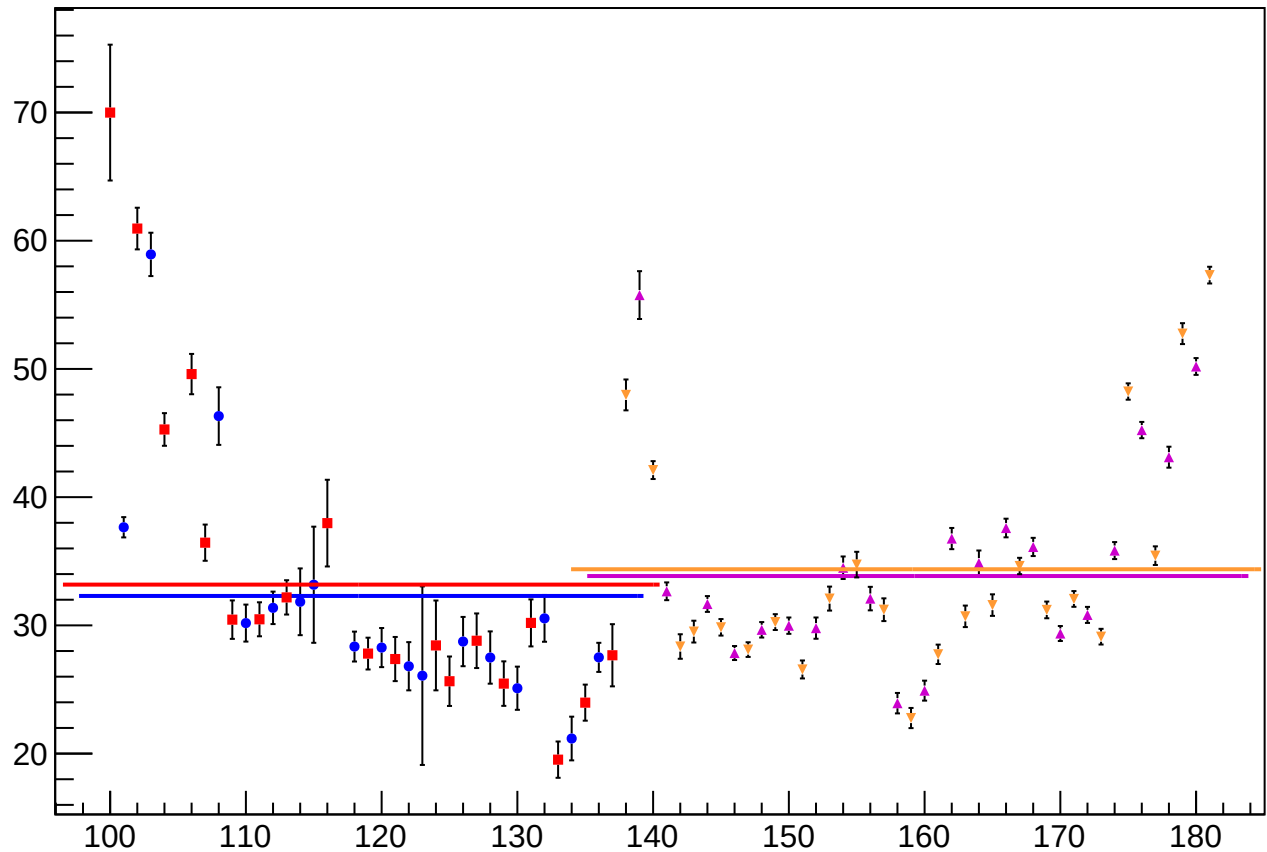
reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: -40.564 ± 0.195 χ^2/NDF : 8122.9/22
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -38.295 ± 0.199 χ^2/NDF : 5844.9/20

Left: -39.457 ± 0.139 χ^2/NDF : 14034.2/43
 Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 In: -38.295 ± 0.199 χ^2/NDF : 5844.9/20
 Out: -40.564 ± 0.195 χ^2/NDF : 8122.9/22
 All: -39.457 ± 0.139 χ^2/NDF : 14034.2/43

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: 34.377 ± 0.152 $\chi^2/\text{NDF}: 3337.3/22$

Right Out: 33.180 ± 0.379 $\chi^2/\text{NDF}: 770.3/18$

Left In: 33.848 ± 0.156 $\chi^2/\text{NDF}: 1887.6/20$

Left: 34.119 ± 0.109 $\chi^2/\text{NDF}: 5230.8/43$

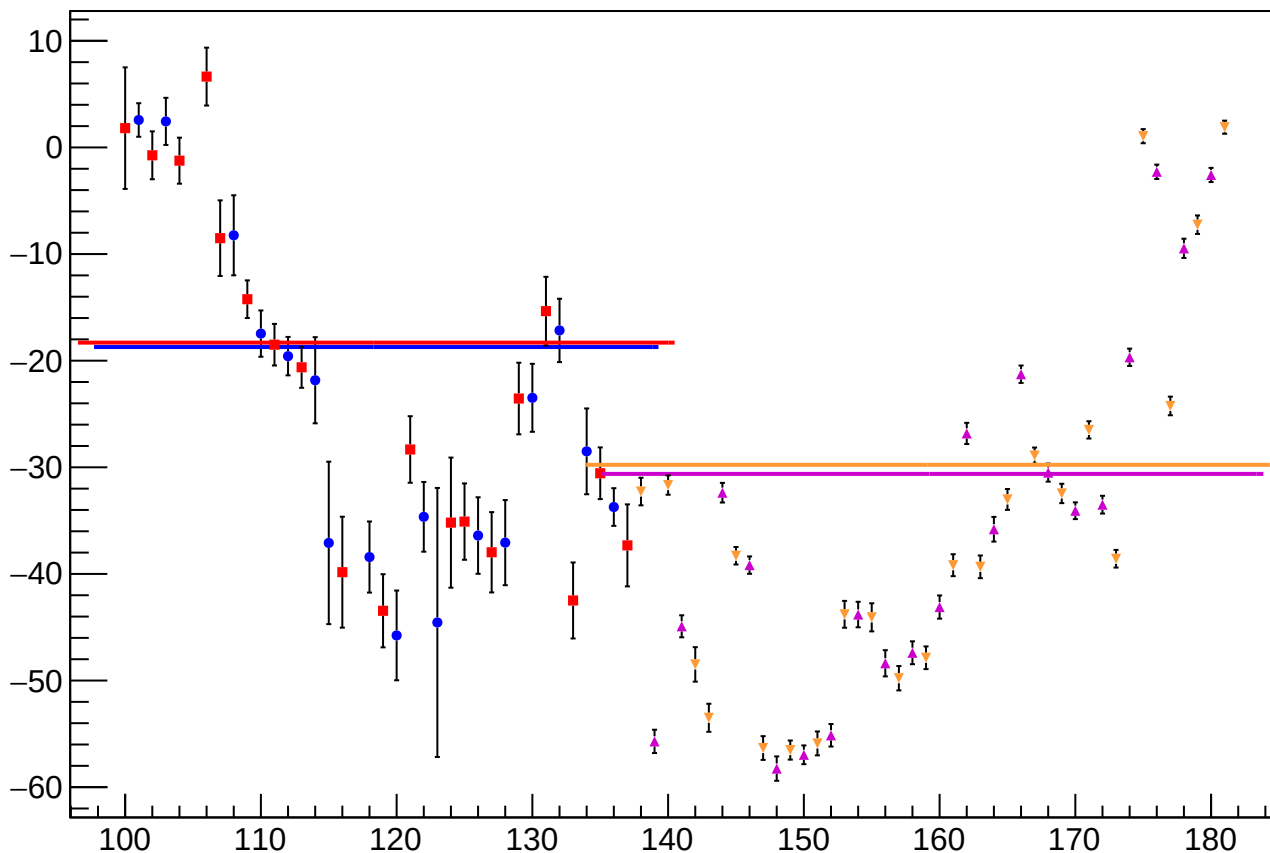
Right: 32.730 ± 0.266 $\chi^2/\text{NDF}: 1225.3/35$

In: 33.617 ± 0.144 $\chi^2/\text{NDF}: 2354.6/37$

Out: 34.211 ± 0.141 $\chi^2/\text{NDF}: 4116.2/41$

All: 33.920 ± 0.101 $\chi^2/\text{NDF}: 6479.5/79$

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -18.721 ± 0.665 χ^2/NDF : 519.6/16

Left Out: -29.766 ± 0.195 χ^2/NDF : 9274.0/22

Right Out: -18.306 ± 0.644 χ^2/NDF : 472.6/18

Left In: -30.618 ± 0.198 χ^2/NDF : 8030.5/20

Left: -30.184 ± 0.139 χ^2/NDF : 17313.9/43

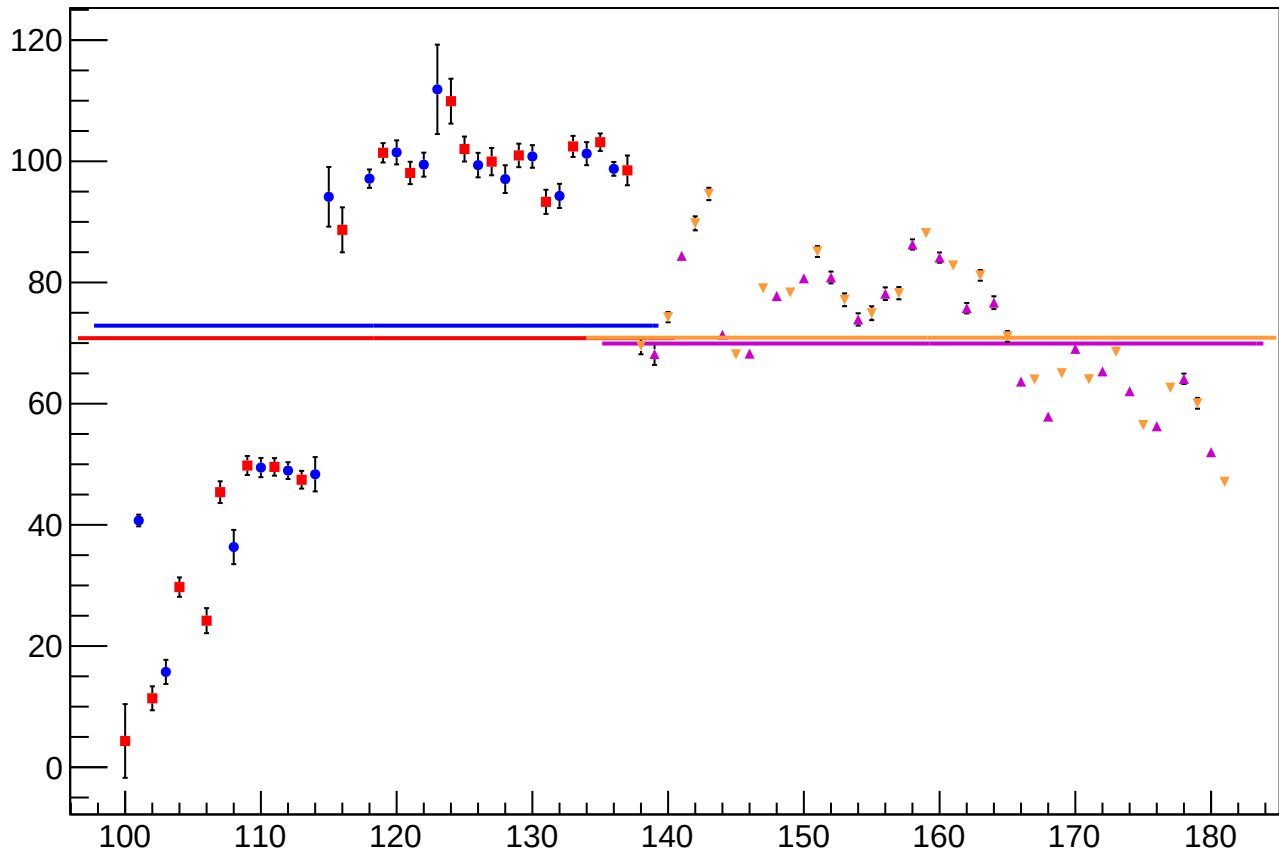
Right: -18.506 ± 0.463 χ^2/NDF : 992.4/35

In: -29.646 ± 0.190 χ^2/NDF : 8843.7/37

Out: -28.804 ± 0.186 χ^2/NDF : 10037.2/41

All: -29.217 ± 0.133 χ^2/NDF : 18890.8/79

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: 70.887 $\pm$ 0.172 χ^2 /NDF:4347.1/22

Right Out: 70.815 $\pm$ 0.433 χ^2 /NDF: 5489.3/18

Left In: 69.925 $\pm$ 0.176 χ^2 /NDF:3123.4/20

Left: 70.417 $\pm$ 0.123 χ^2 /NDF: 7485.8/43

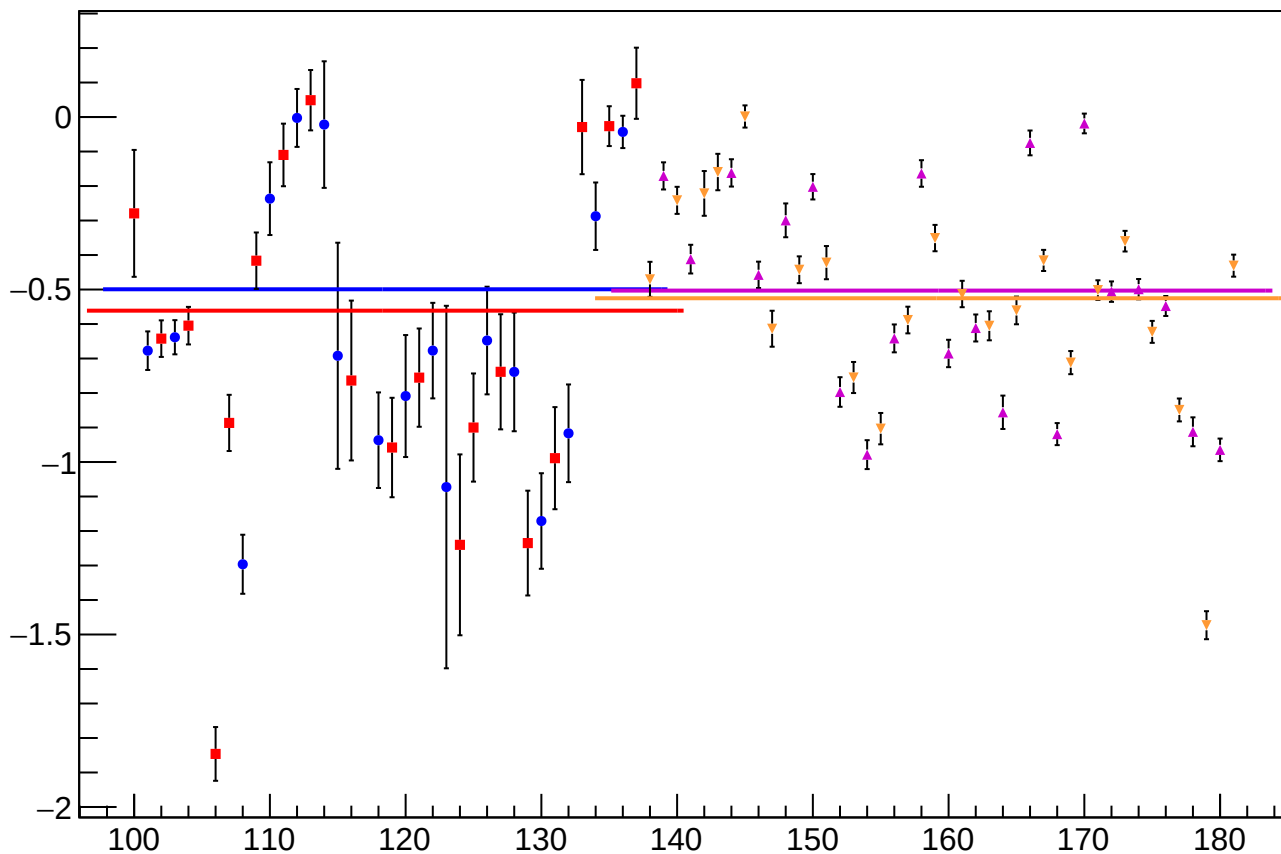
Right: 71.863 $\pm$ 0.304 χ^2 /NDF: 10238.7/35

In: 70.354 $\pm$ 0.162 χ^2 /NDF:7902.3/37

Out: 70.877 $\pm$ 0.160 χ^2 /NDF:9836.4/41

All: 70.620 $\pm$ 0.114 χ^2 /NDF: 17744.0/79

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: -0.525 ± 0.008 χ^2/NDF : 1260.0/22

Right Out: -0.561 ± 0.021 χ^2/NDF : 562.3/18

Left In: -0.503 ± 0.008 χ^2/NDF : 1478.2/20

Left: -0.514 ± 0.006 χ^2/NDF : 2742.1/43

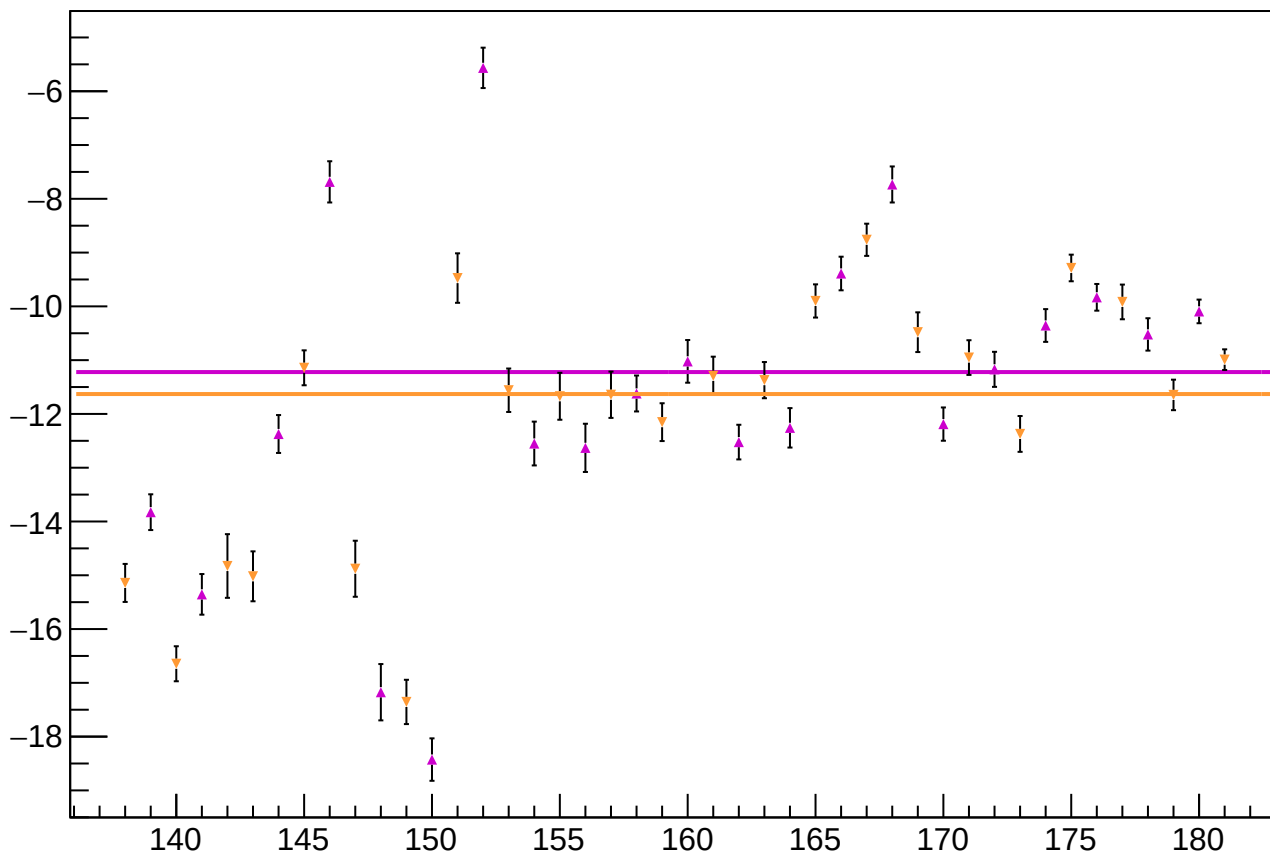
Right: -0.532 ± 0.015 χ^2/NDF : 869.9/35

In: -0.503 ± 0.007 χ^2/NDF : 1781.7/37

Out: -0.530 ± 0.007 χ^2/NDF : 1824.8/41

All: -0.516 ± 0.005 χ^2/NDF : 3613.1/79

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -11.630 $\pm$ 0.070 χ^2 /NDF:950.1/22

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

Left In: -11.222 $\pm$ 0.073 χ^2 /NDF:1236.9/20

Left: -11.433 $\pm$ 0.050 χ^2 /NDF: 2203.4/43

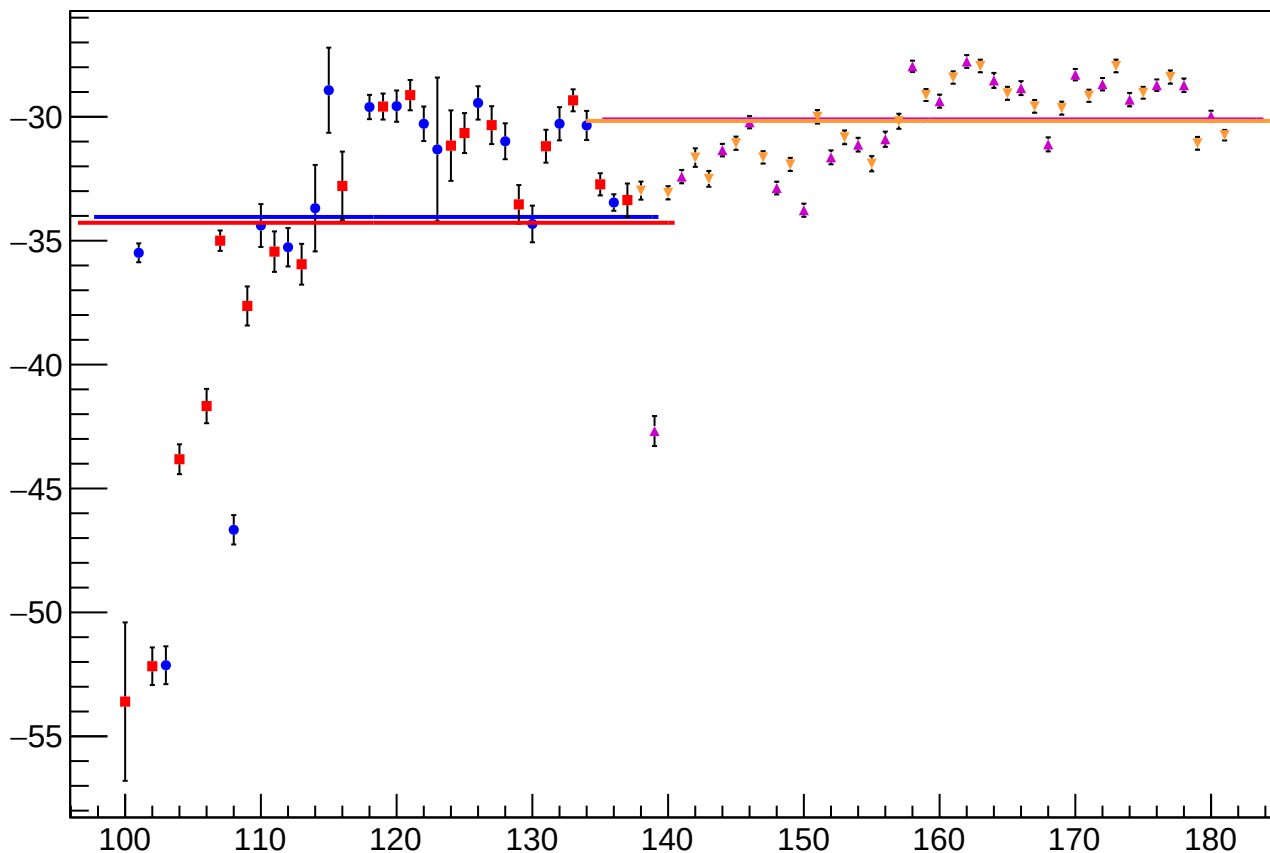
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -11.222 $\pm$ 0.073 χ^2 /NDF:1236.9/20

Out: -11.630 $\pm$ 0.070 χ^2 /NDF:950.1/22

All: -11.433 $\pm$ 0.050 χ^2 /NDF: 2203.4/43

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: -30.166 ± 0.056 χ^2/NDF : 719.5/22

Right Out: -34.277 ± 0.151 χ^2/NDF : 1349.5/18

Left In: -30.106 ± 0.058 χ^2/NDF : 1280.5/20

Left: -30.137 ± 0.040 χ^2/NDF : 2000.6/43

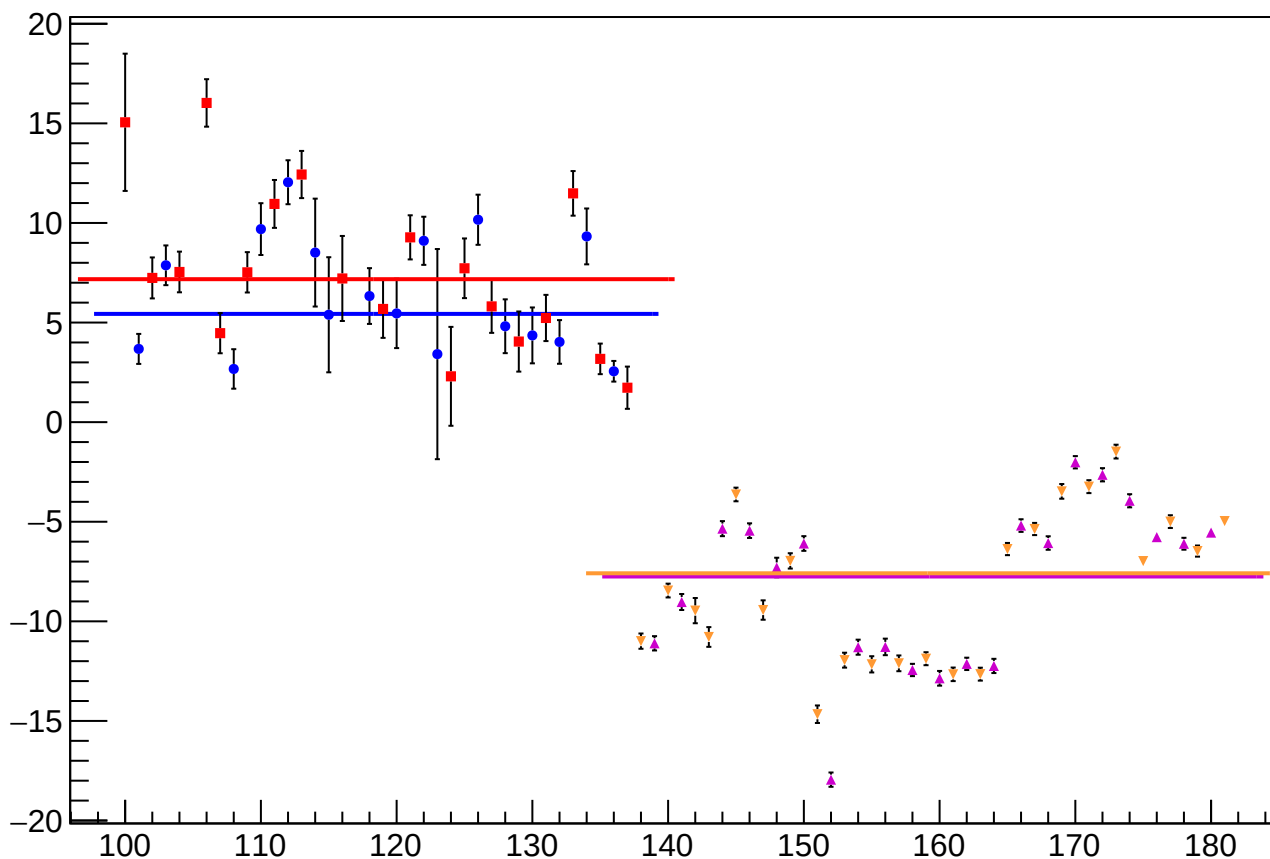
Right: -34.159 ± 0.107 χ^2/NDF : 2691.4/35

In: -30.610 ± 0.054 χ^2/NDF : 3216.0/37

Out: -30.660 ± 0.052 χ^2/NDF : 2722.5/41

All: -30.636 ± 0.038 χ^2/NDF : 5938.9/79

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.435 $\pm$ 0.270 χ^2 /NDF: 132.0/16

Left Out: -7.588 $\pm$ 0.070 χ^2 /NDF:2516.3/22

Right Out: 7.177 $\pm$ 0.274 χ^2 /NDF: 182.6/18

Left In: -7.749 $\pm$ 0.072 χ^2 /NDF:2942.5/20

Left: -7.666 $\pm$ 0.050 χ^2 /NDF: 5461.4/43

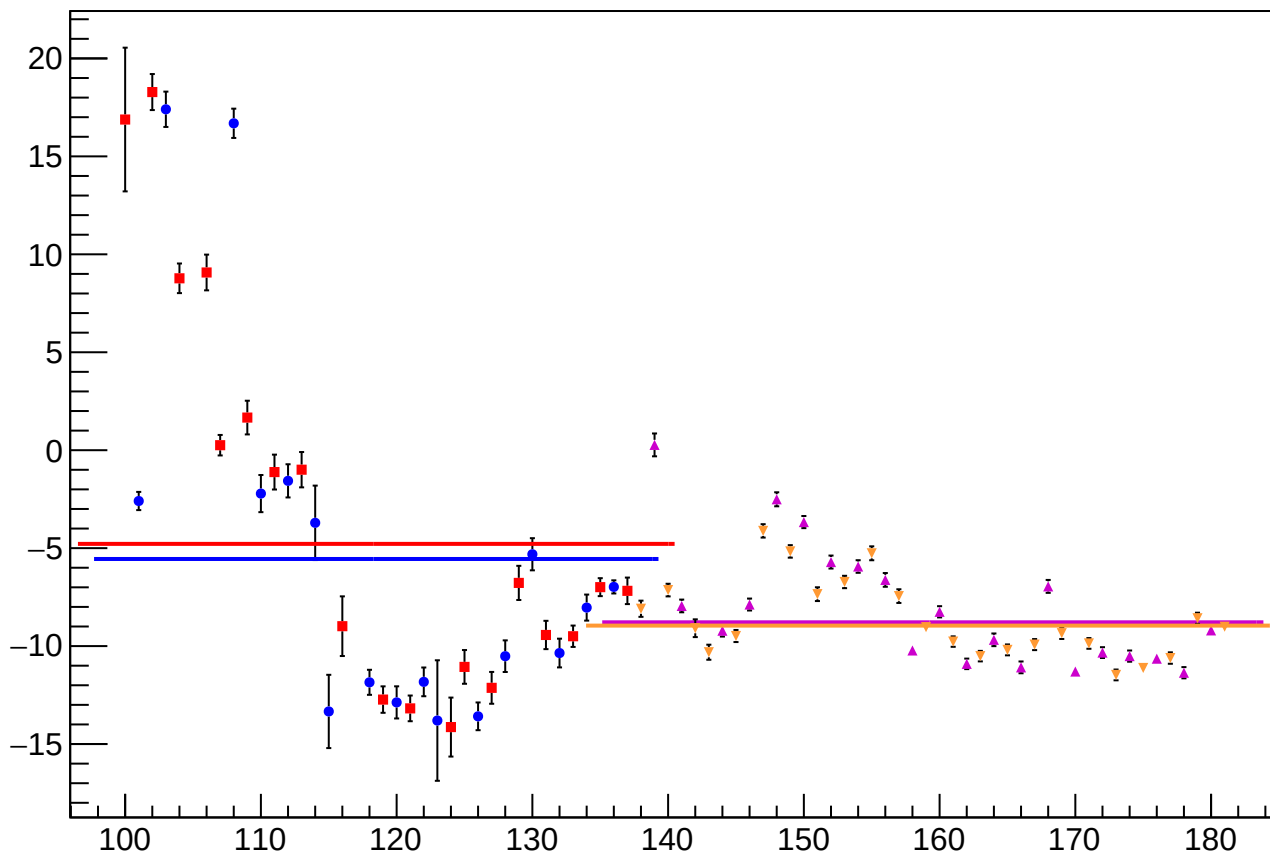
Right: 6.291 $\pm$ 0.192 χ^2 /NDF: 335.1/35

In: -6.869 $\pm$ 0.070 χ^2 /NDF:5306.8/37

Out: -6.683 $\pm$ 0.068 χ^2 /NDF:5421.6/41

All: -6.774 $\pm$ 0.049 χ^2 /NDF: 10732.0/79

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.553 ± 0.170 χ^2/NDF : 2125.3/16

Left Out: -8.954 ± 0.062 χ^2/NDF : 867.9/22

Right Out: -4.782 ± 0.173 χ^2/NDF : 2040.4/18

Left In: -8.786 ± 0.064 χ^2/NDF : 1547.8/20

Left: -8.873 ± 0.045 χ^2/NDF : 2419.3/43

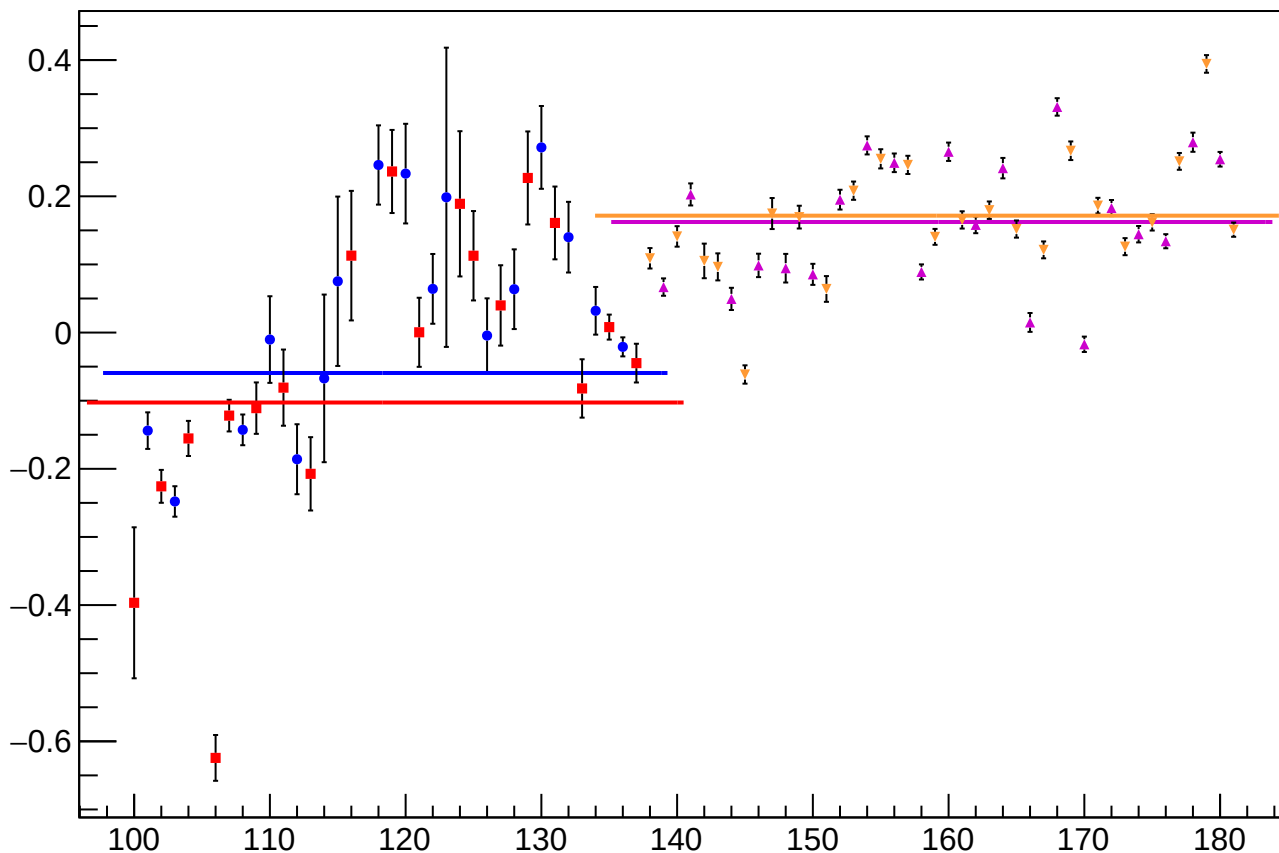
Right: -5.174 ± 0.121 χ^2/NDF : 4175.8/35

In: -8.380 ± 0.060 χ^2/NDF : 3989.8/37

Out: -8.472 ± 0.059 χ^2/NDF : 3423.8/41

All: -8.427 ± 0.042 χ^2/NDF : 7414.8/79

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: 0.172 ± 0.003 χ^2/NDF : 881.9/22

Right Out: -0.103 ± 0.008 χ^2/NDF : 435.5/18

Left In: 0.162 ± 0.003 χ^2/NDF : 1102.4/20

Left: 0.167 ± 0.002 χ^2/NDF : 1989.5/43

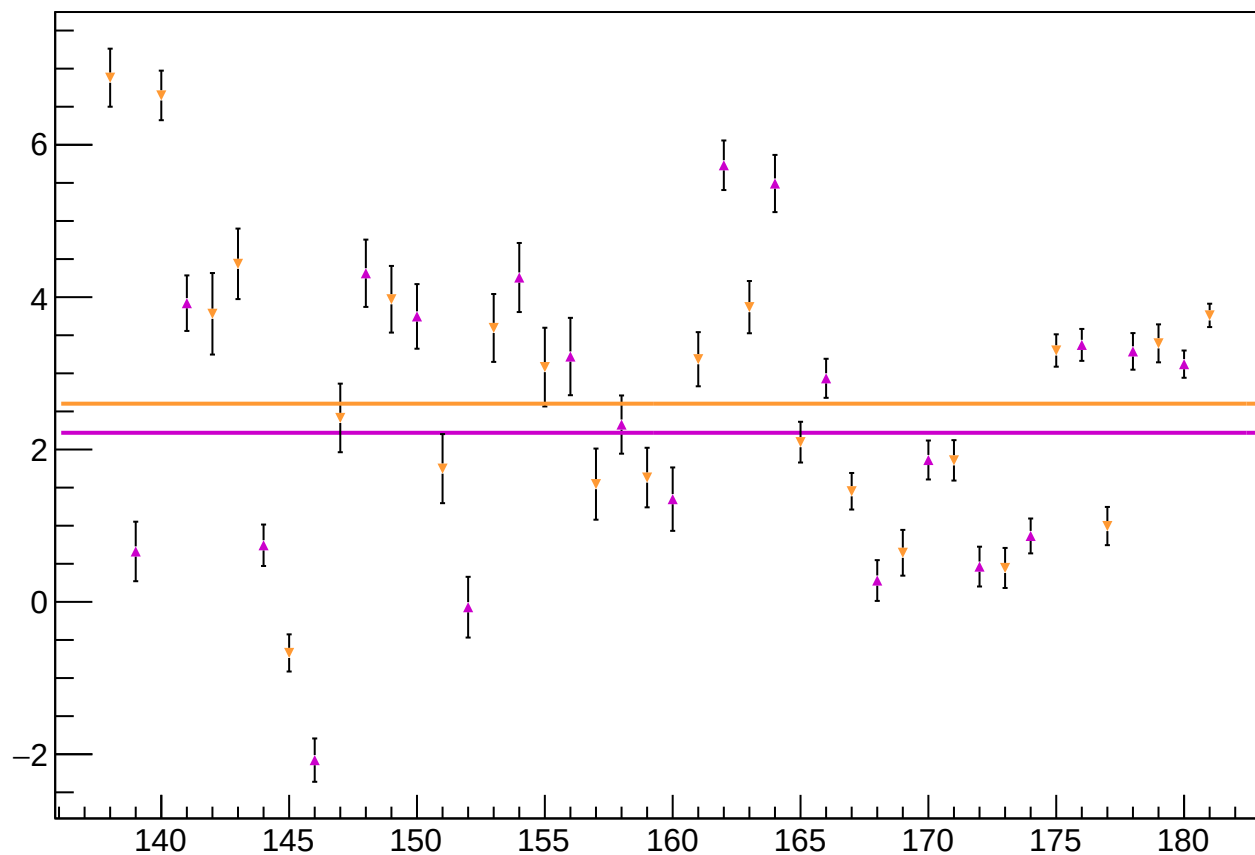
Right: -0.081 ± 0.006 χ^2/NDF : 666.4/35

In: 0.139 ± 0.003 χ^2/NDF : 1944.1/37

Out: 0.143 ± 0.003 χ^2/NDF : 2269.7/41

All: 0.141 ± 0.002 χ^2/NDF : 4215.2/79

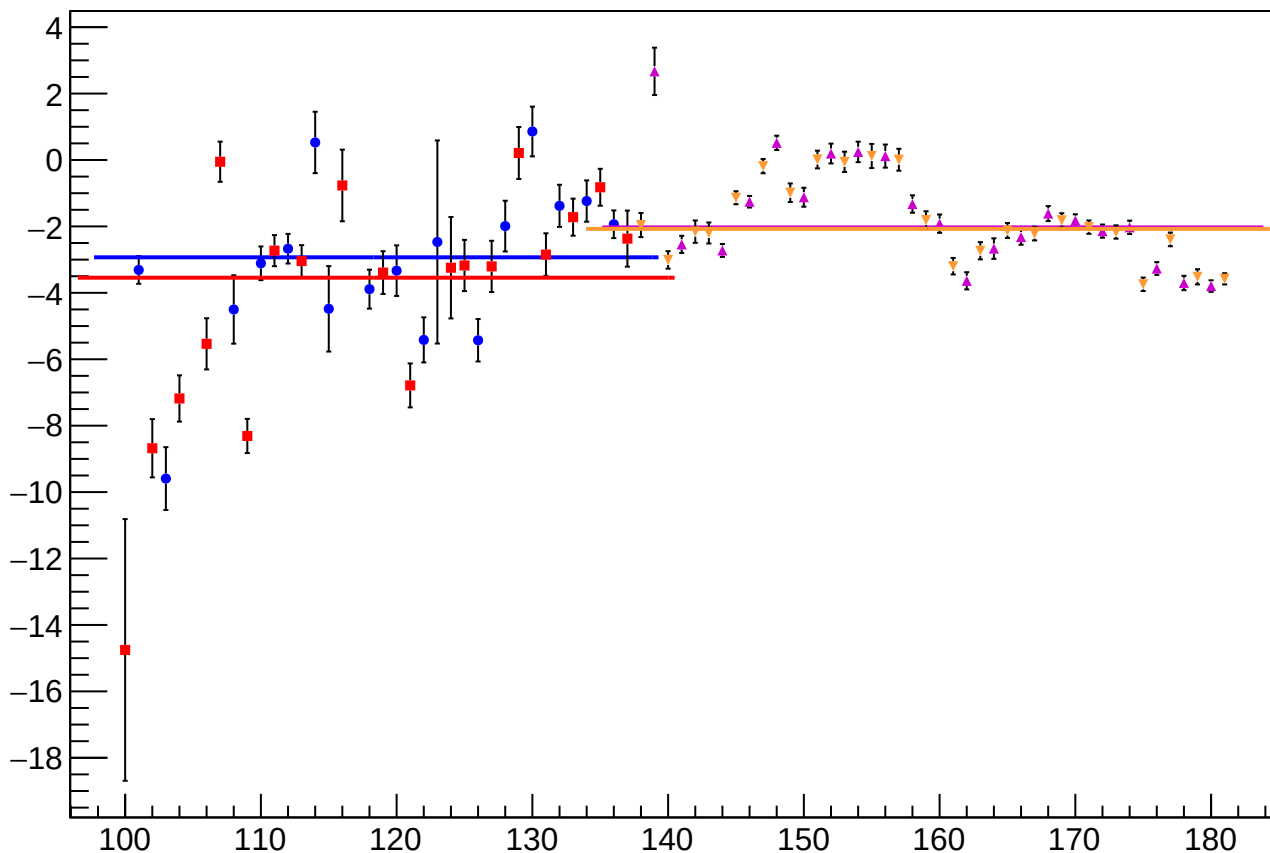
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 2.602 $\pm$ 0.062 χ^2 /NDF:791.7/22
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 2.220 $\pm$ 0.064 χ^2 /NDF:802.6/20

Left: 2.417 $\pm$ 0.045 χ^2 /NDF: 1612.7/43
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 2.220 $\pm$ 0.064 χ^2 /NDF:802.6/20
 Out: 2.602 $\pm$ 0.062 χ^2 /NDF:791.7/22
 All: 2.417 $\pm$ 0.045 χ^2 /NDF: 1612.7/43

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.930 ± 0.154 χ^2/NDF : 146.5/16

Left Out: -2.075 ± 0.050 χ^2/NDF : 528.9/22

Right Out: -3.544 ± 0.155 χ^2/NDF : 291.7/18

Left In: -2.030 ± 0.051 χ^2/NDF : 639.5/20

Left: -2.053 ± 0.035 χ^2/NDF : 1168.8/43

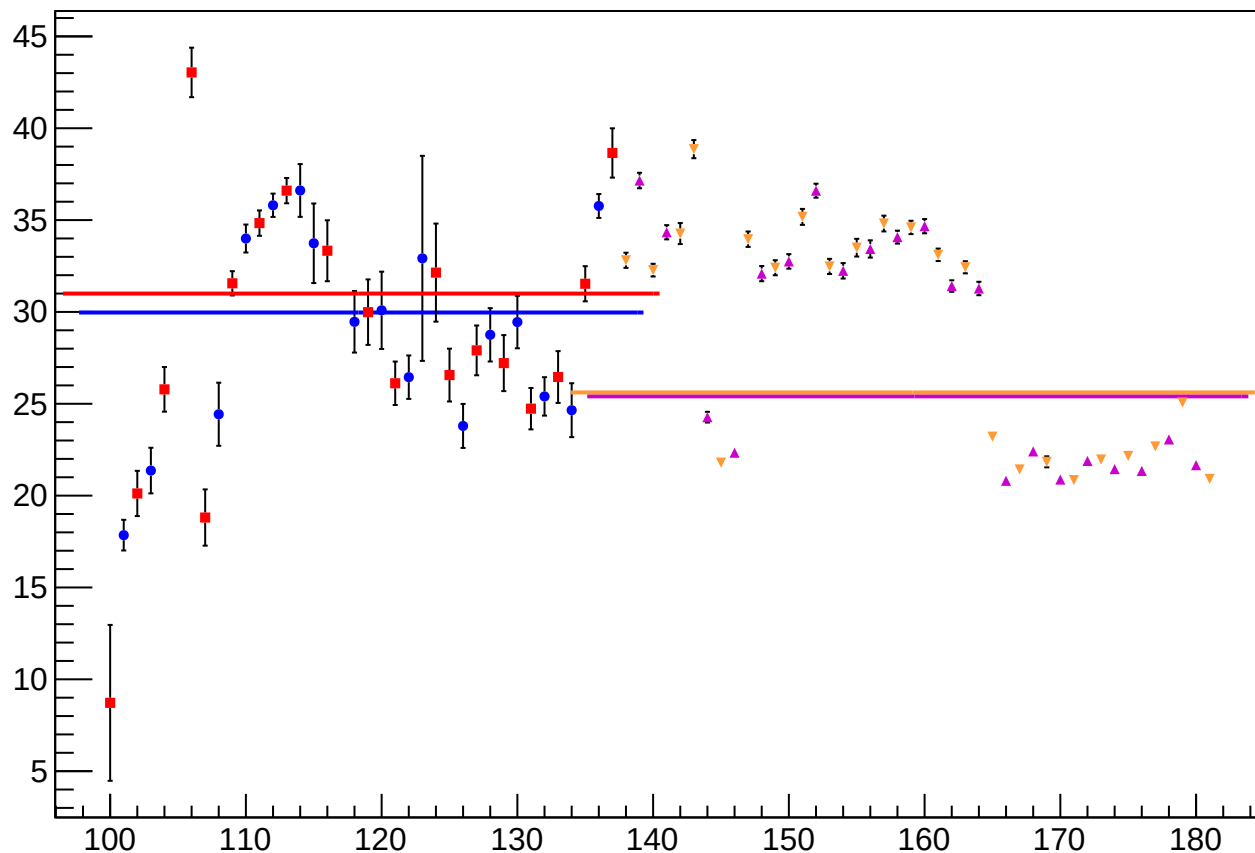
Right: -3.236 ± 0.109 χ^2/NDF : 446.1/35

In: -2.117 ± 0.048 χ^2/NDF : 816.9/37

Out: -2.213 ± 0.047 χ^2/NDF : 902.4/41

All: -2.166 ± 0.034 χ^2/NDF : 1721.3/79

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.969 $\pm$ 0.267 χ^2 /NDF: 554.3/16

Left Out: 25.619 $\pm$ 0.062 χ^2 /NDF: 7822.6/22

Right Out: 31.000 $\pm$ 0.260 χ^2 /NDF: 479.5/18

Left In: 25.404 $\pm$ 0.064 χ^2 /NDF: 7364.3/20

Left: 25.514 $\pm$ 0.045 χ^2 /NDF: 15192.7/43

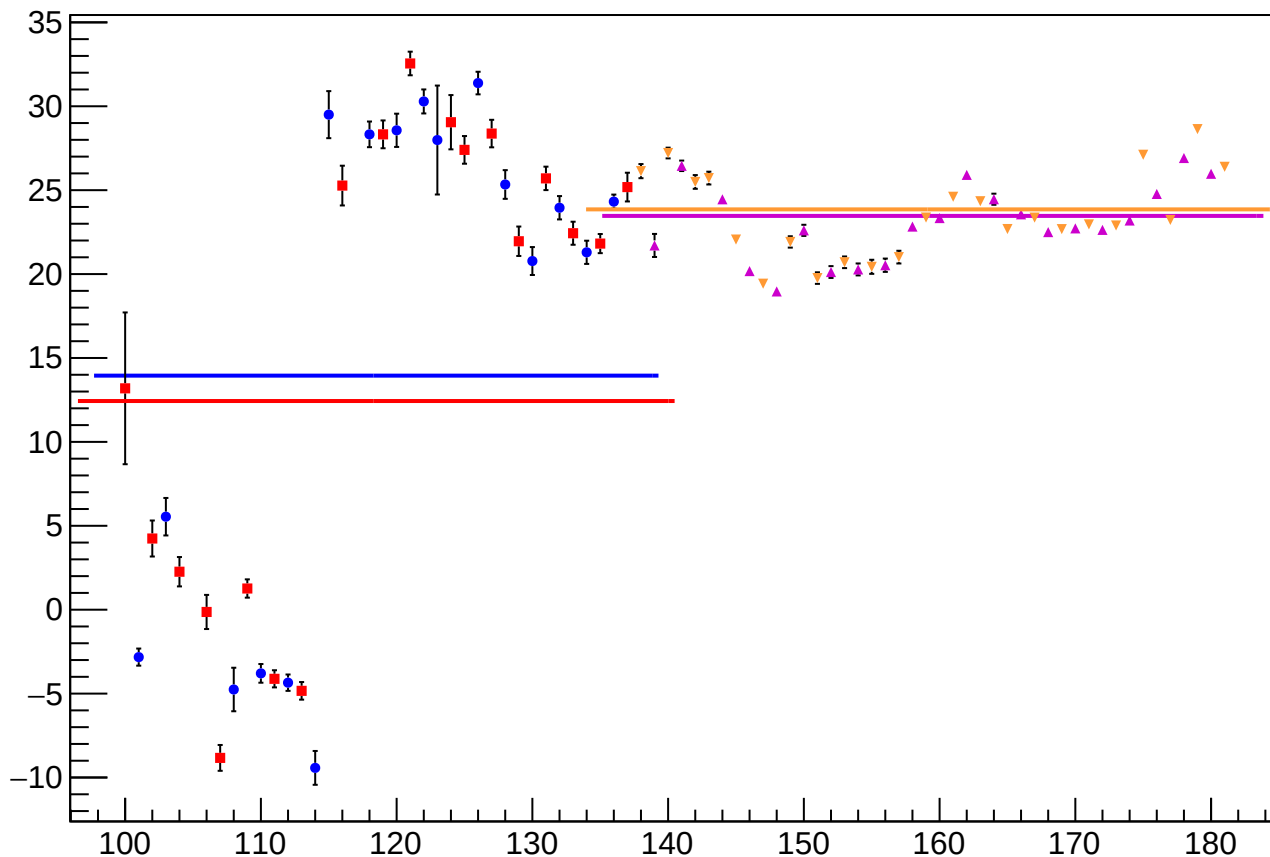
Right: 30.497 $\pm$ 0.186 χ^2 /NDF: 1041.5/35

In: 25.652 $\pm$ 0.062 χ^2 /NDF: 8195.7/37

Out: 25.911 $\pm$ 0.061 χ^2 /NDF: 8707.3/41

All: 25.785 $\pm$ 0.043 χ^2 /NDF: 16911.9/79

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.948 $\pm$ 0.172 χ^2 /NDF: 7391.9/16

Left Out: 23.855 $\pm$ 0.056 χ^2 /NDF:1751.8/22

Right Out: 12.435 $\pm$ 0.174 χ^2 /NDF: 6962.9/18

Left In: 23.467 $\pm$ 0.057 χ^2 /NDF:1390.4/20

Left: 23.665 $\pm$ 0.040 χ^2 /NDF: 3166.1/43

Right: 13.199 $\pm$ 0.122 χ^2 /NDF: 14393.1/35

In: 22.533 $\pm$ 0.054 χ^2 /NDF:11545.8/37

Out: 22.789 $\pm$ 0.053 χ^2 /NDF:12635.1/41

All: 22.663 $\pm$ 0.038 χ^2 /NDF: 24192.3/79

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: -0.118 ± 0.003 χ^2/NDF : 254.2/22

Right Out: 0.139 ± 0.009 χ^2/NDF : 3016.8/18

Left In: -0.108 ± 0.003 χ^2/NDF : 318.2/20

Left: -0.113 ± 0.002 χ^2/NDF : 579.0/43

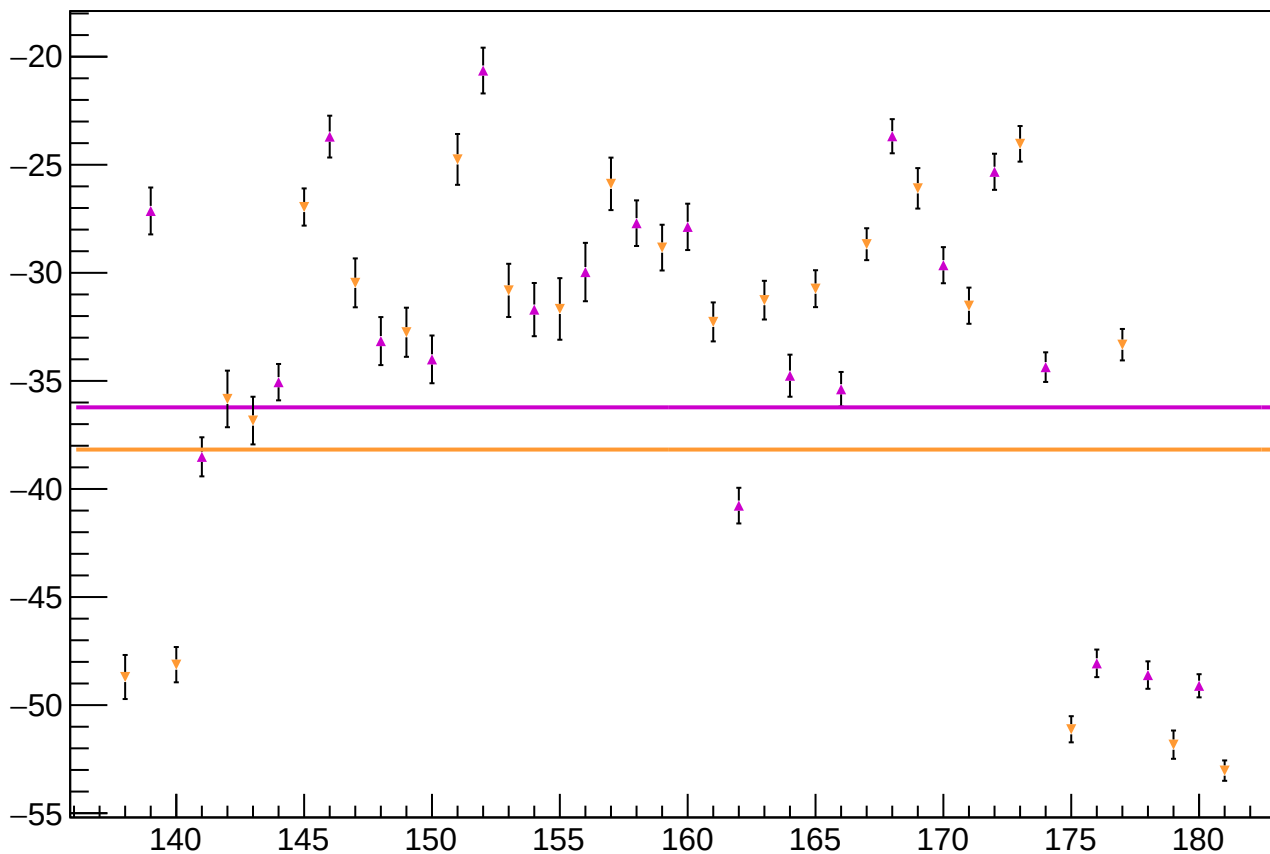
Right: 0.171 ± 0.007 χ^2/NDF : 3888.5/35

In: -0.086 ± 0.002 χ^2/NDF : 2205.4/37

Out: -0.099 ± 0.002 χ^2/NDF : 3992.7/41

All: -0.093 ± 0.002 χ^2/NDF : 6212.3/79

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: -38.176+/-0.178 χ^2/NDF :3665.8/22

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

Left In: -36.223+/-0.185 χ^2/NDF :2464.2/20

Left: -37.236+/-0.129 χ^2/NDF : 6187.7/43

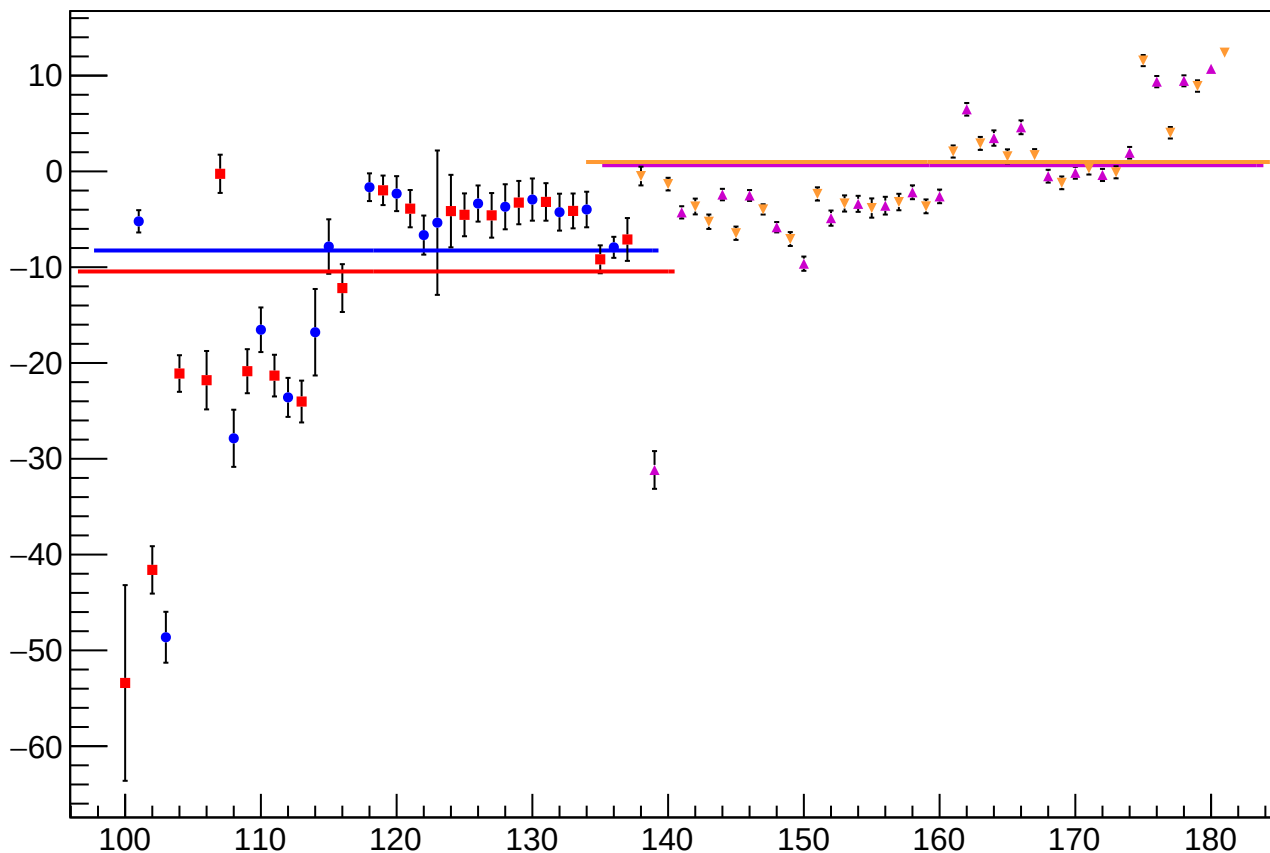
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -36.223+/-0.185 χ^2/NDF :2464.2/20

Out: -38.176+/-0.178 χ^2/NDF :3665.8/22

All: -37.236+/-0.129 χ^2/NDF : 6187.7/43

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.257 ± 0.462 χ^2/NDF : 412.1/16

Left Out: 0.980 ± 0.141 χ^2/NDF : 1615.3/22

Right Out: -10.446 ± 0.491 χ^2/NDF : 428.4/18

Left In: 0.645 ± 0.145 χ^2/NDF : 1798.7/20

Left: 0.818 ± 0.101 χ^2/NDF : 3416.7/43

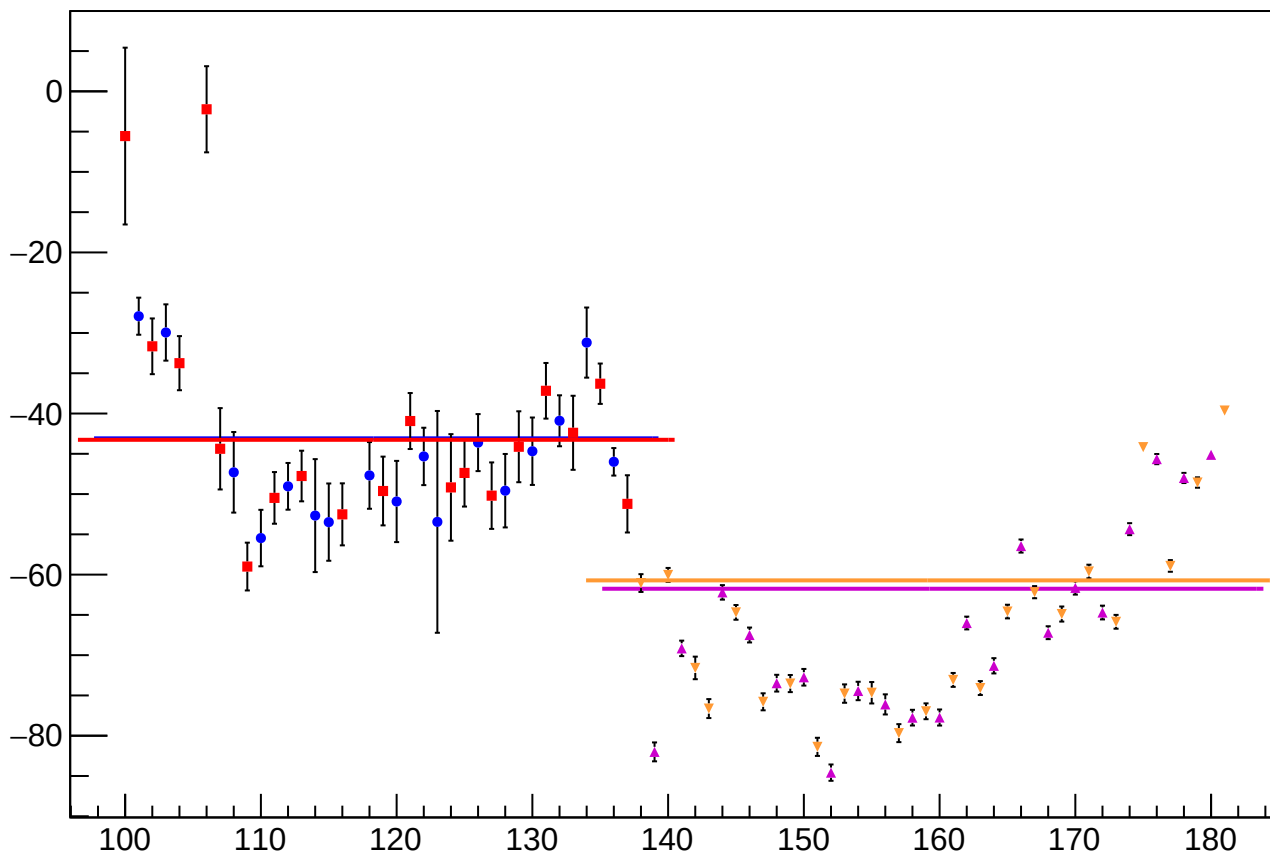
Right: -9.285 ± 0.337 χ^2/NDF : 851.1/35

In: -0.157 ± 0.139 χ^2/NDF : 2548.5/37

Out: 0.109 ± 0.136 χ^2/NDF : 2543.5/41

All: -0.021 ± 0.097 χ^2/NDF : 5093.9/79

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: -60.715 ± 0.179 $\chi^2/\text{NDF}: 5258.2/22$

Right Out: -43.262 ± 0.866 $\chi^2/\text{NDF}: 154.2/18$

Left In: -61.754 ± 0.184 $\chi^2/\text{NDF}: 4354.9/20$

Left: -61.219 ± 0.128 $\chi^2/\text{NDF}: 9629.4/43$

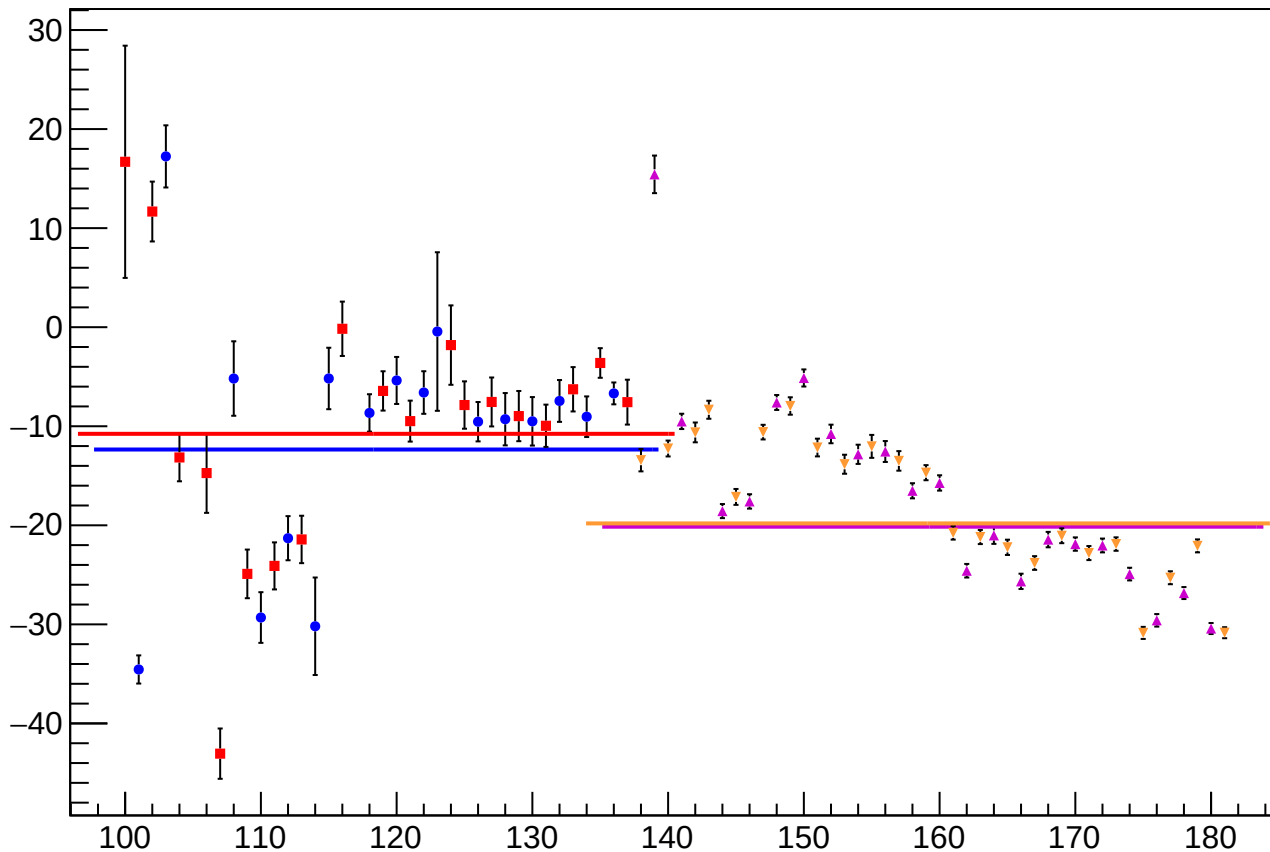
Right: -43.169 ± 0.601 $\chi^2/\text{NDF}: 253.4/35$

In: -60.885 ± 0.180 $\chi^2/\text{NDF}: 4931.7/37$

Out: -60.002 ± 0.175 $\chi^2/\text{NDF}: 5801.6/41$

All: -60.431 ± 0.126 $\chi^2/\text{NDF}: 10745.6/79$

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: -19.809 ± 0.159 $\chi^2/\text{NDF}: 1838.8/22$

Right Out: -10.765 ± 0.554 $\chi^2/\text{NDF}: 366.6/18$

Left In: -20.140 ± 0.164 $\chi^2/\text{NDF}: 2252.8/20$

Left: -19.970 ± 0.114 $\chi^2/\text{NDF}: 4093.7/43$

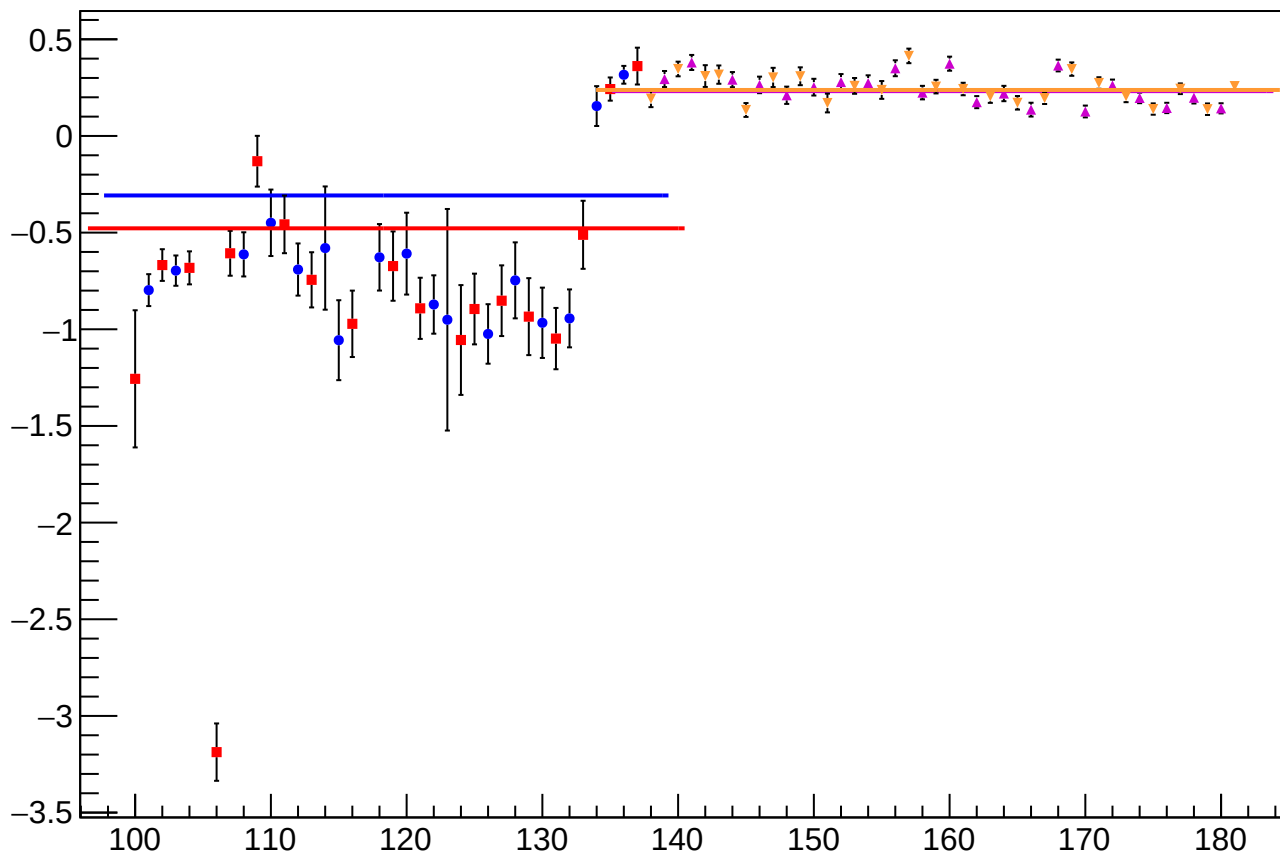
Right: -11.606 ± 0.379 $\chi^2/\text{NDF}: 846.9/35$

In: -19.438 ± 0.156 $\chi^2/\text{NDF}: 2933.3/37$

Out: -19.119 ± 0.153 $\chi^2/\text{NDF}: 2452.0/41$

All: -19.275 ± 0.109 $\chi^2/\text{NDF}: 5387.4/79$

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: 0.238 ± 0.007 χ^2/NDF : 92.1/22

Right Out: -0.478 ± 0.029 χ^2/NDF : 631.2/18

Left In: 0.232 ± 0.007 χ^2/NDF : 113.4/20

Left: 0.235 ± 0.005 χ^2/NDF : 205.9/43

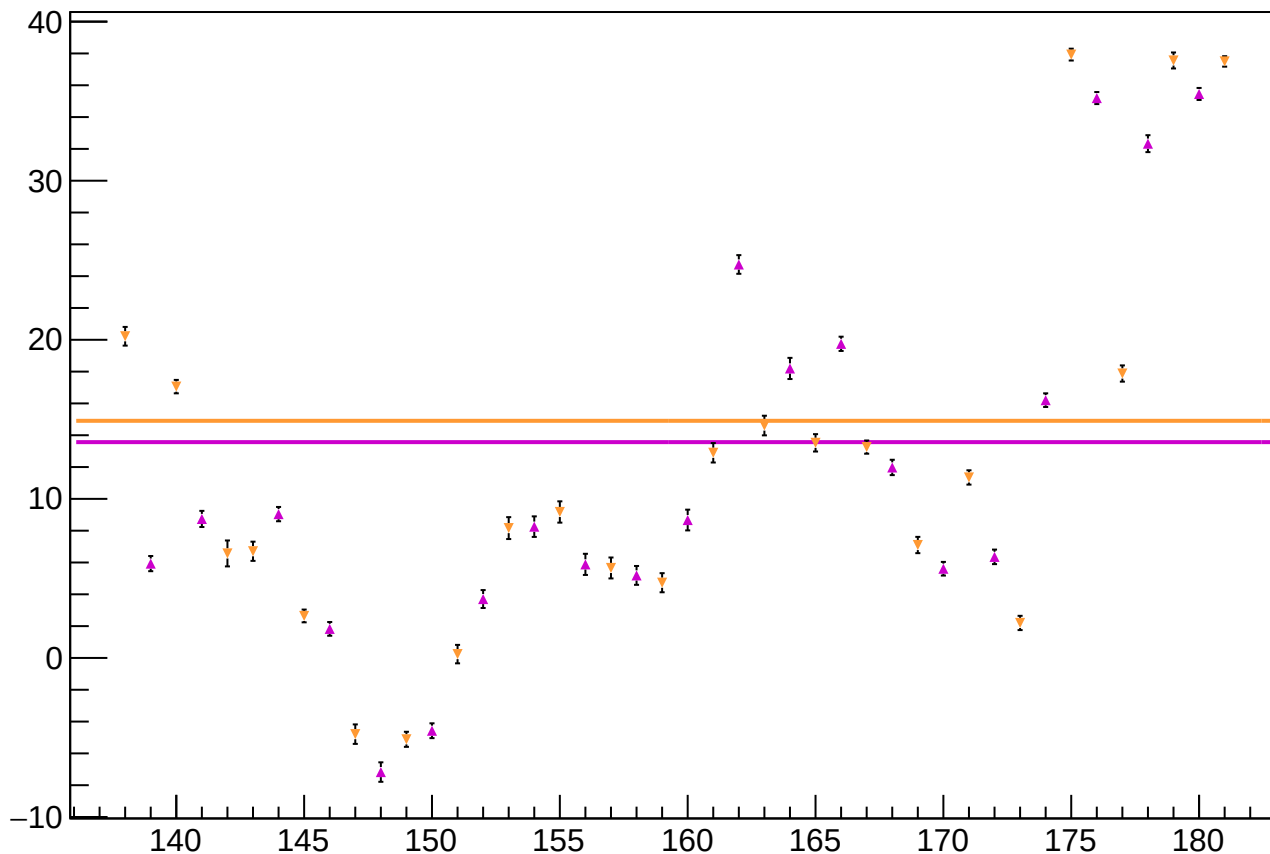
Right: -0.390 ± 0.020 χ^2/NDF : 1022.0/35

In: 0.195 ± 0.007 χ^2/NDF : 844.0/37

Out: 0.193 ± 0.007 χ^2/NDF : 1313.3/41

All: 0.194 ± 0.005 χ^2/NDF : 2157.3/79

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: 14.907 $\pm$ 0.105 χ^2 /NDF:17200.6/22

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

Left In: 13.566 $\pm$ 0.108 χ^2 /NDF:13711.3/20

Left: 14.253 $\pm$ 0.075 χ^2 /NDF: 30991.6/43

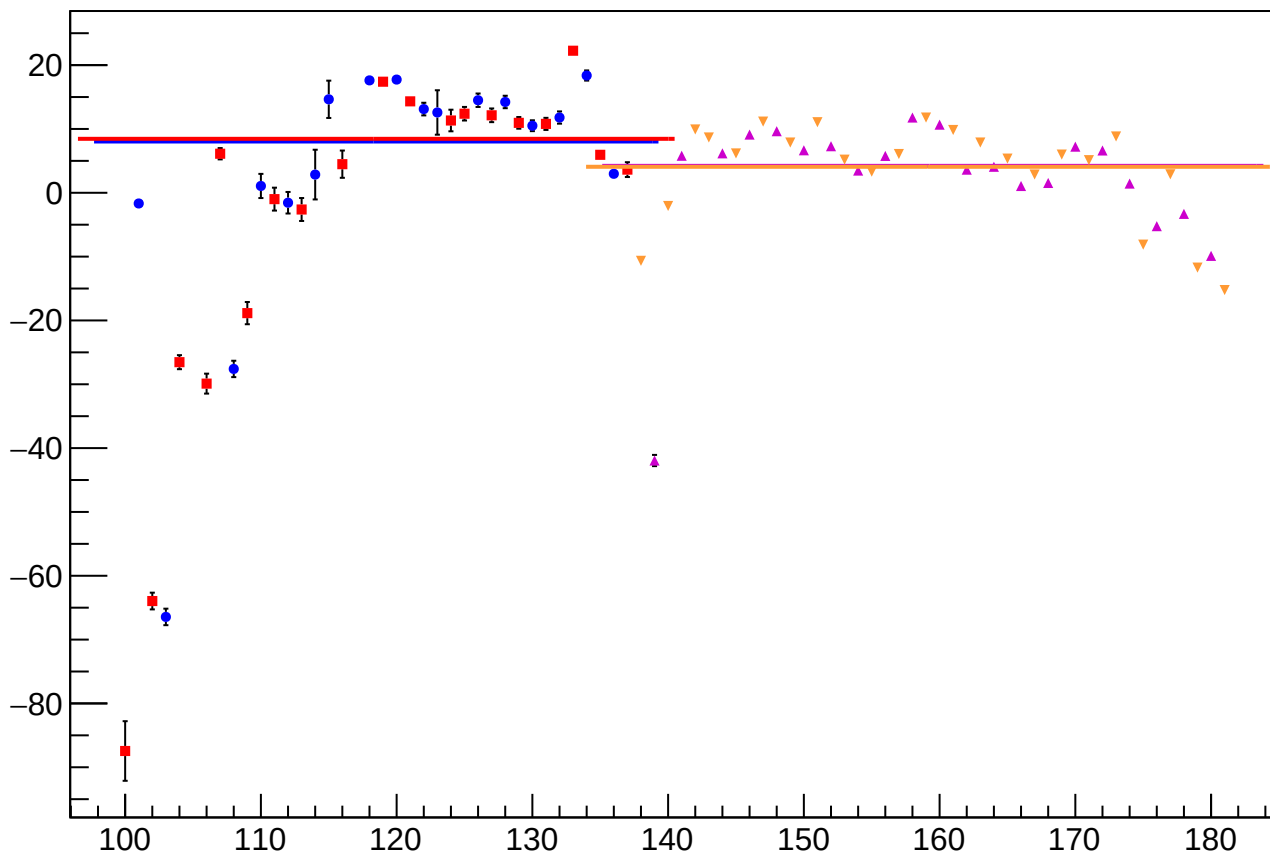
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 13.566 $\pm$ 0.108 χ^2 /NDF:13711.3/20

Out: 14.907 $\pm$ 0.105 χ^2 /NDF:17200.6/22

All: 14.253 $\pm$ 0.075 χ^2 /NDF: 30991.6/43

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: 4.074 ± 0.081 $\chi^2/\text{NDF}: 8394.5/22$

Right Out: 8.454 ± 0.213 $\chi^2/\text{NDF}: 6704.4/18$

Left In: 4.219 ± 0.083 $\chi^2/\text{NDF}: 6842.4/20$

Left: 4.144 ± 0.058 $\chi^2/\text{NDF}: 15238.5/43$

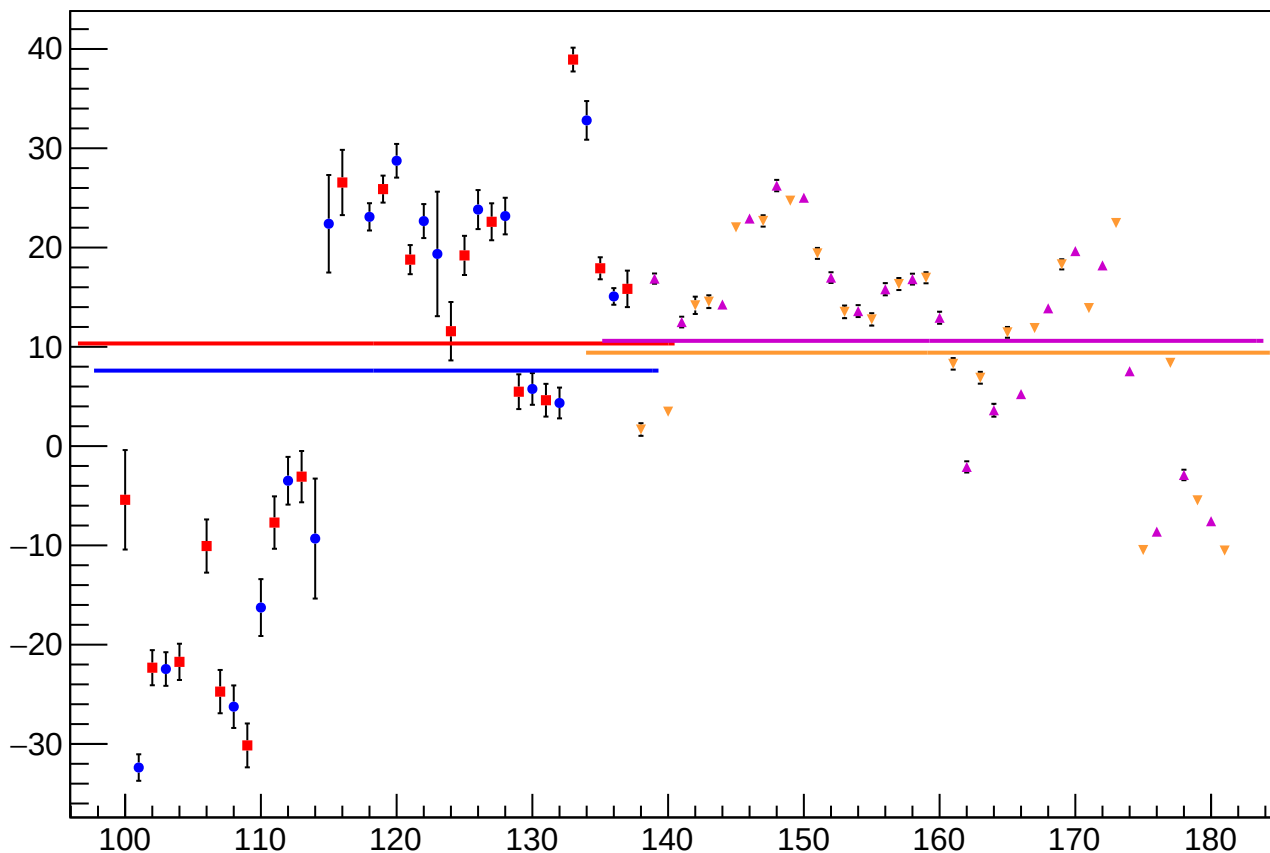
Right: 8.247 ± 0.151 $\chi^2/\text{NDF}: 12075.7/35$

In: 4.717 ± 0.078 $\chi^2/\text{NDF}: 12485.5/37$

Out: 4.626 ± 0.076 $\chi^2/\text{NDF}: 15467.2/41$

All: 4.671 ± 0.054 $\chi^2/\text{NDF}: 27953.4/79$

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: 9.411 ± 0.105 $\chi^2/\text{NDF}: 12166.6/22$

Right Out: 10.337 ± 0.416 $\chi^2/\text{NDF}: 2281.8/18$

Left In: 10.603 ± 0.107 $\chi^2/\text{NDF}: 10484.2/20$

Left: 9.995 ± 0.075 $\chi^2/\text{NDF}: 22714.2/43$

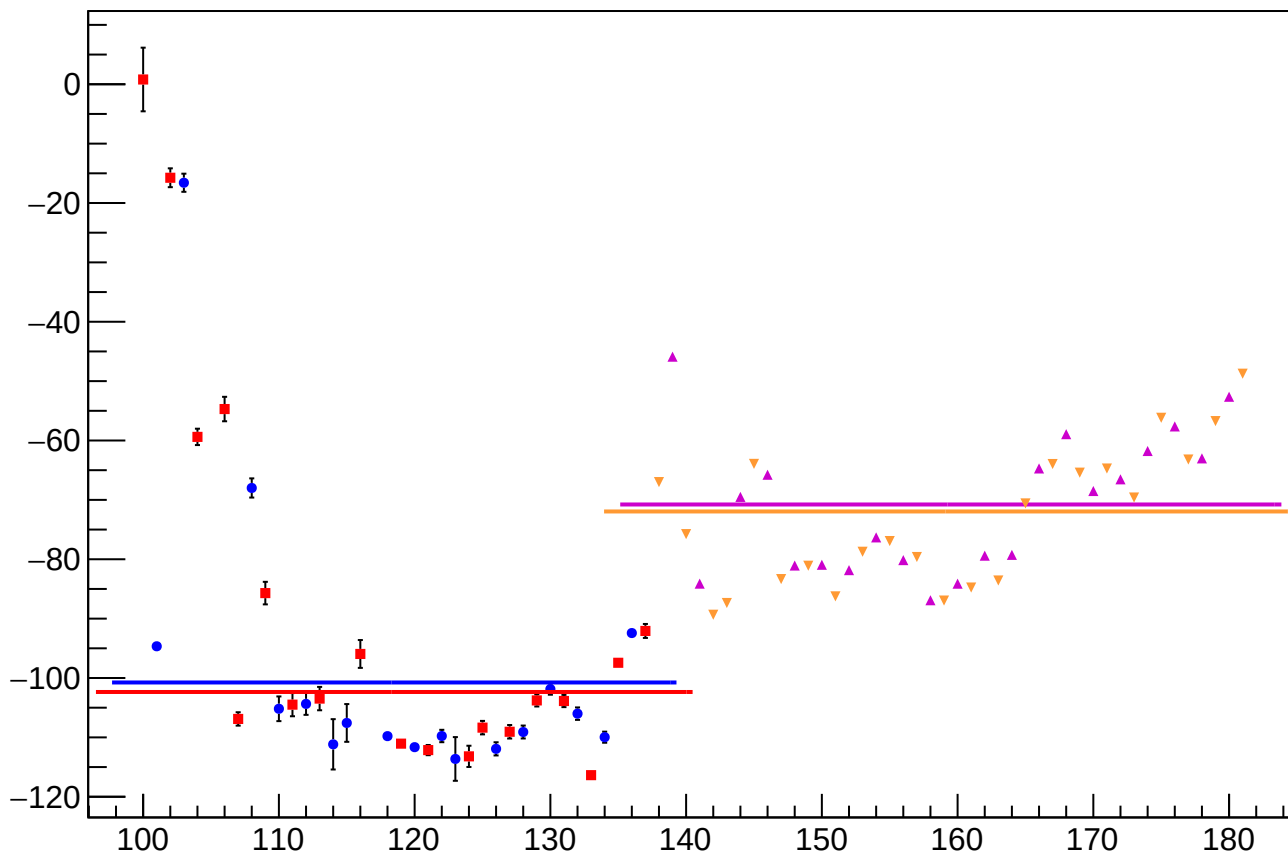
Right: 8.969 ± 0.294 $\chi^2/\text{NDF}: 4628.4/35$

In: 10.417 ± 0.104 $\chi^2/\text{NDF}: 12858.0/37$

Out: 9.466 ± 0.102 $\chi^2/\text{NDF}: 14453.1/41$

All: 9.933 ± 0.073 $\chi^2/\text{NDF}: 27354.0/79$

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -100.753 ± 0.248 χ^2/NDF : 4522.6/16

Left Out: -71.952 ± 0.092 χ^2/NDF : 15463.2/22

Right Out: -102.354 ± 0.246 χ^2/NDF : 6078.9/18

Left In: -70.775 ± 0.094 χ^2/NDF : 12093.5/20

Left: -71.378 ± 0.066 χ^2/NDF : 27636.2/43

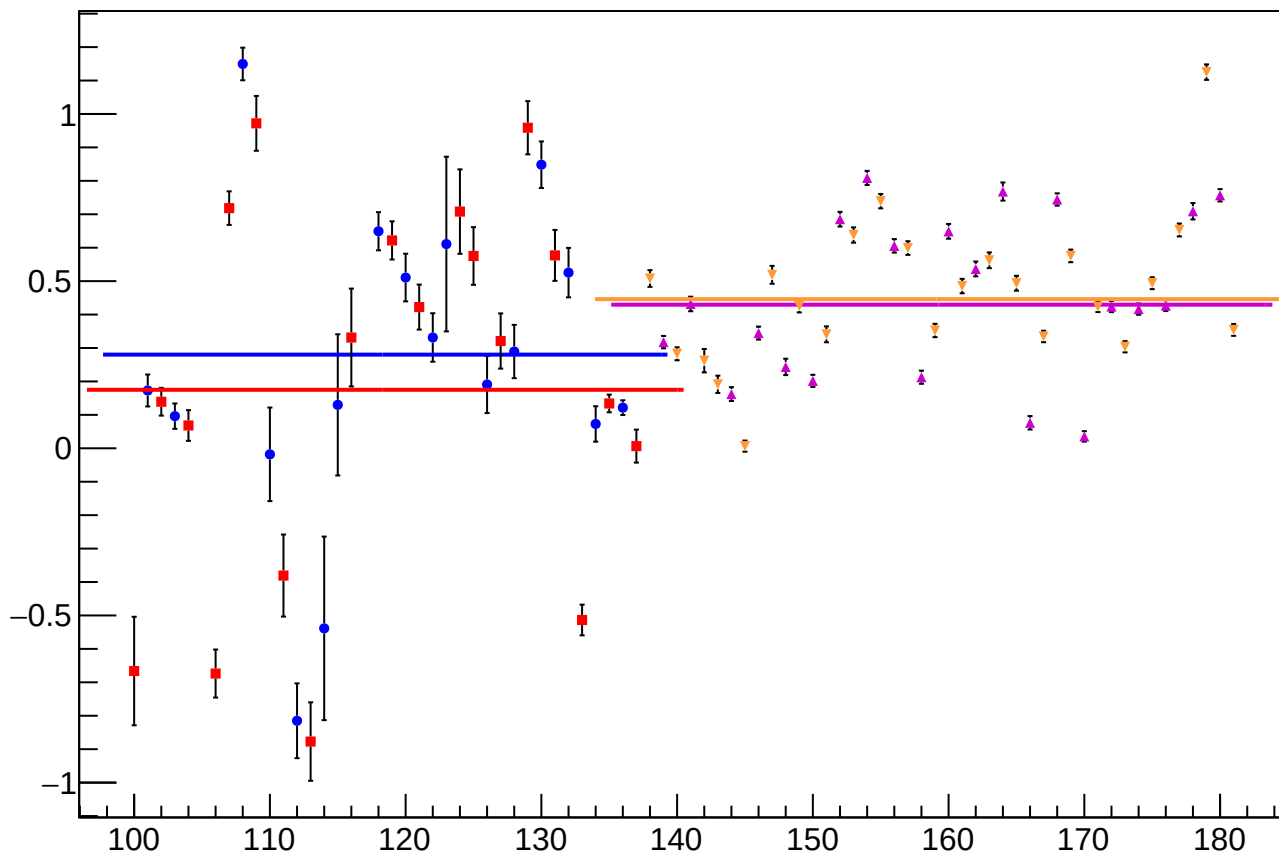
Right: -101.559 ± 0.175 χ^2/NDF : 10622.5/35

In: -74.575 ± 0.088 χ^2/NDF : 29374.6/37

Out: -75.688 ± 0.086 χ^2/NDF : 34914.3/41

All: -75.144 ± 0.062 χ^2/NDF : 64370.1/79

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.280 $\pm$ 0.013 χ^2 /NDF: 656.0/16

Left Out: 0.446 $\pm$ 0.004 χ^2 /NDF:2462.1/22

Right Out: 0.175 $\pm$ 0.013 χ^2 /NDF: 966.7/18

Left In: 0.430 $\pm$ 0.004 χ^2 /NDF:3050.1/20

Left: 0.438 $\pm$ 0.003 χ^2 /NDF: 5519.7/43

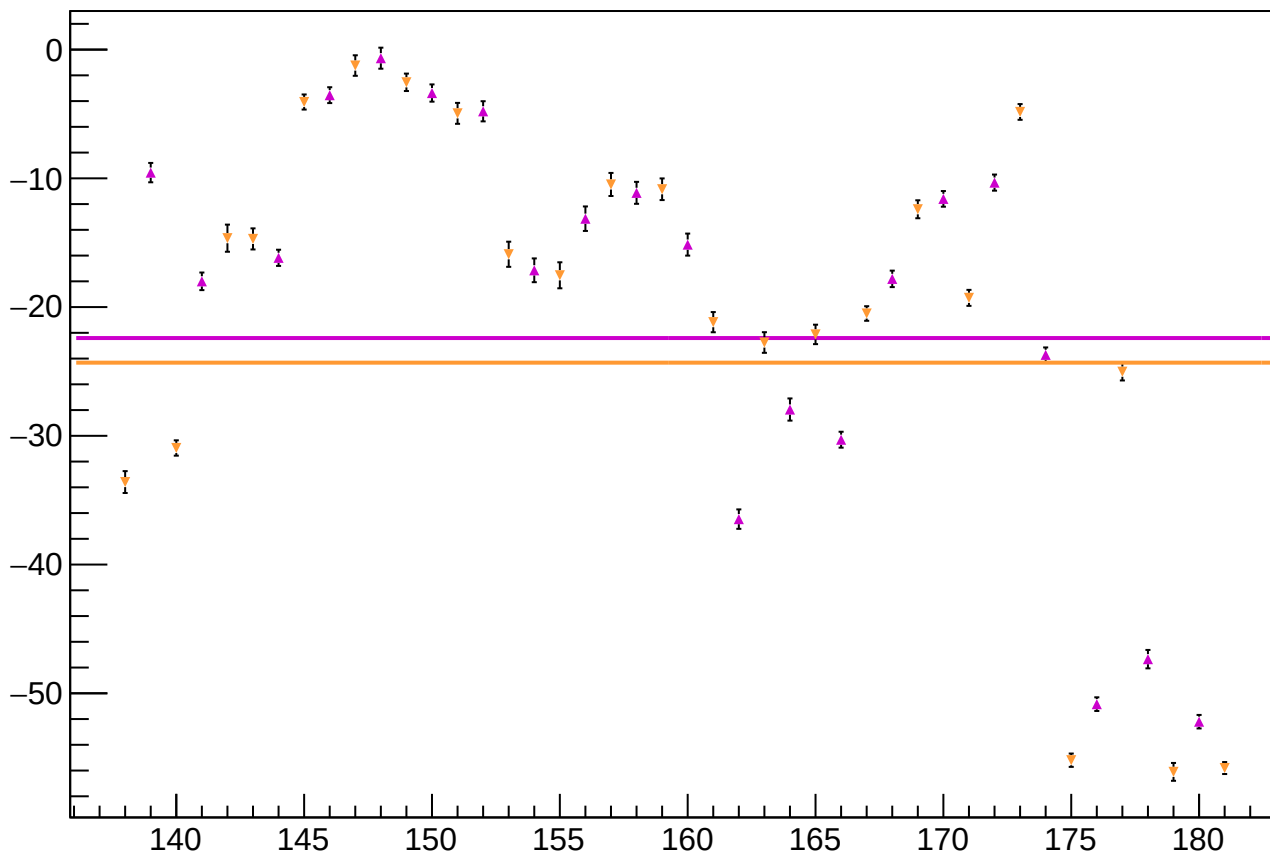
Right: 0.227 $\pm$ 0.010 χ^2 /NDF: 1653.2/35

In: 0.416 $\pm$ 0.004 χ^2 /NDF:3817.9/37

Out: 0.422 $\pm$ 0.004 χ^2 /NDF:3798.7/41

All: 0.419 $\pm$ 0.003 χ^2 /NDF: 7617.6/79

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -24.317+/-0.145 χ^2/NDF :16396.0/22

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

Left In: -22.405+/-0.149 χ^2/NDF :12368.6/20

Left: -23.386+/-0.104 χ^2/NDF : 28849.0/43

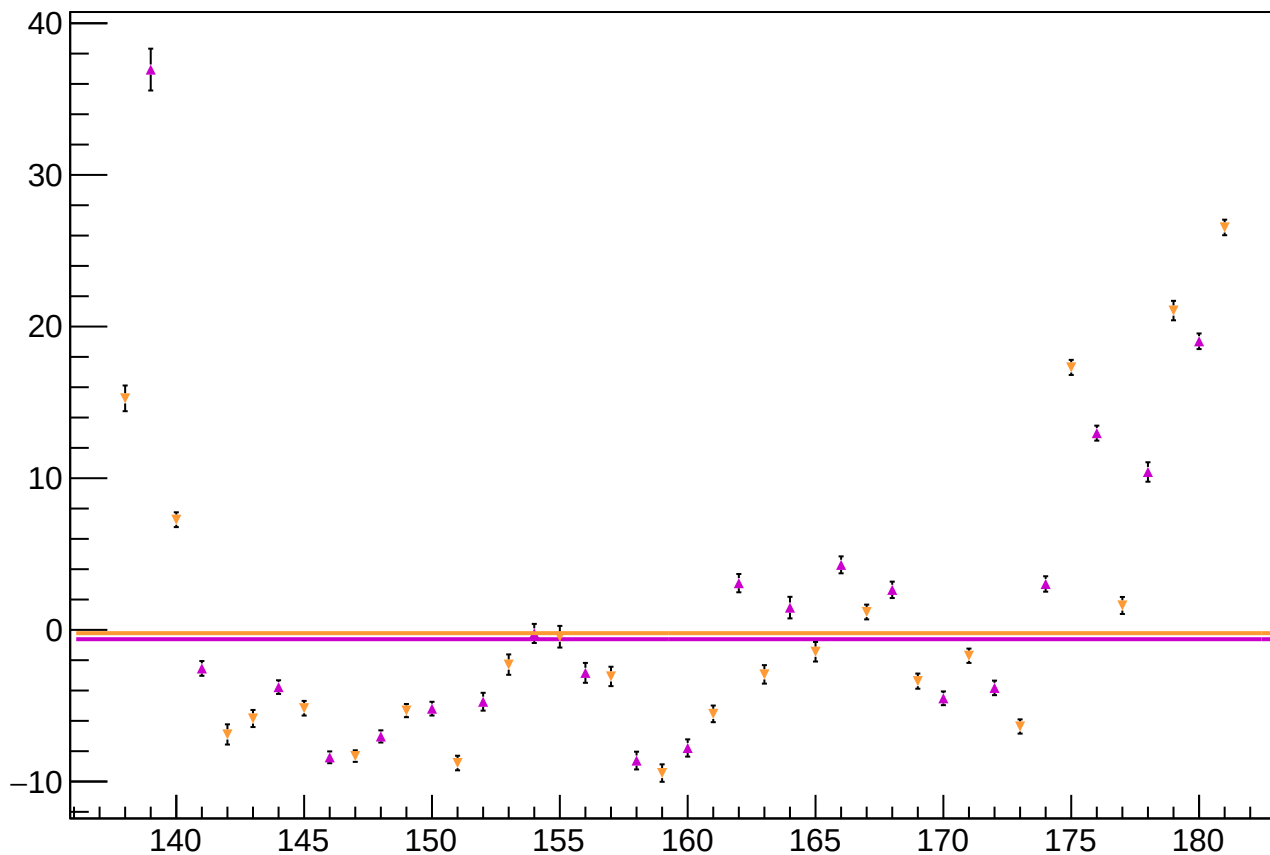
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -22.405+/-0.149 χ^2/NDF :12368.6/20

Out: -24.317+/-0.145 χ^2/NDF :16396.0/22

All: -23.386+/-0.104 χ^2/NDF : 28849.0/43

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: -0.217+/-0.112 χ^2/NDF : 7476.1/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.617+/-0.115 χ^2/NDF : 4809.4/20

Left: -0.411+/-0.080 χ^2/NDF : 12291.7/43

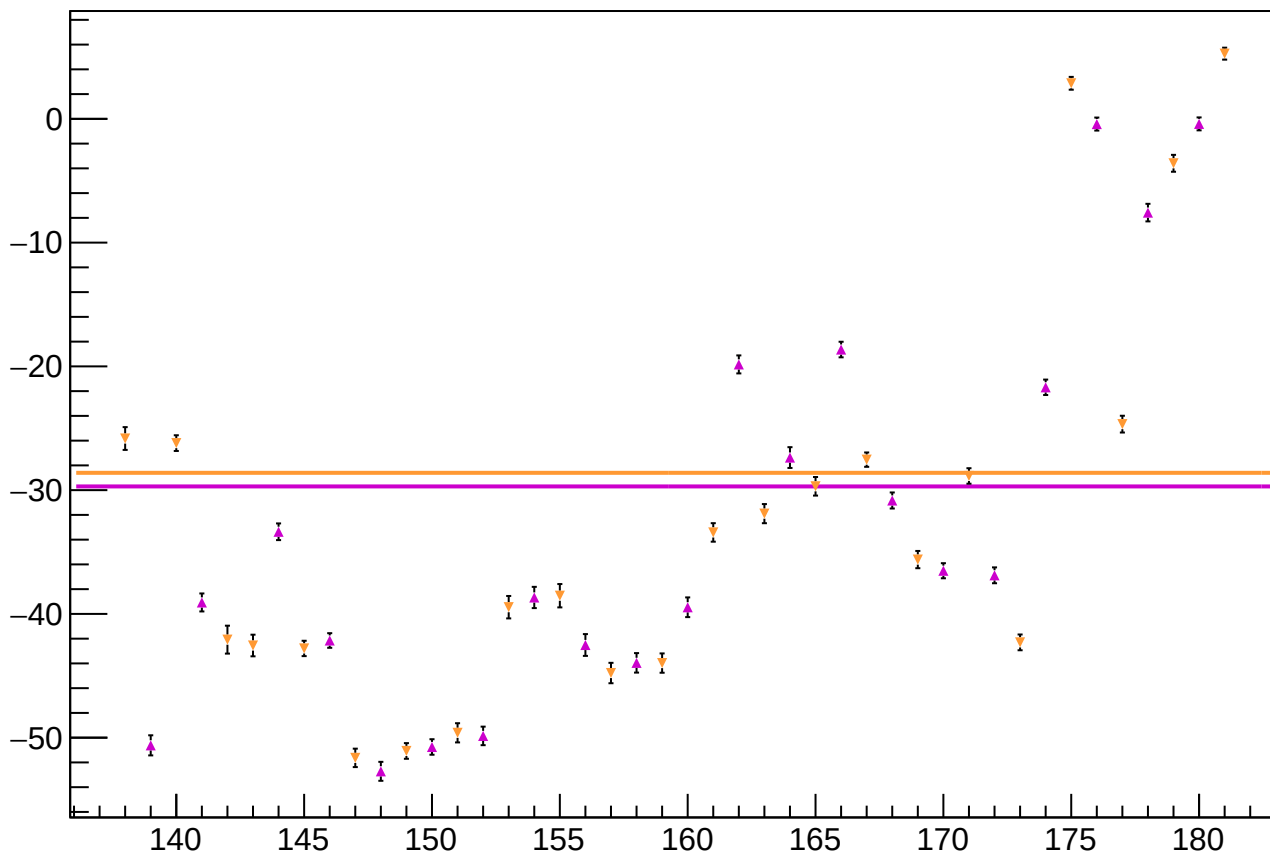
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -0.617+/-0.115 χ^2/NDF : 4809.4/20

Out: -0.217+/-0.112 χ^2/NDF : 7476.1/22

All: -0.411+/-0.080 χ^2/NDF : 12291.7/43

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: -28.600+/-0.145 χ^2/NDF :15522.1/22

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

Left In: -29.699+/-0.148 χ^2/NDF :12993.9/20

Left: -29.139+/-0.104 χ^2/NDF : 28544.1/43

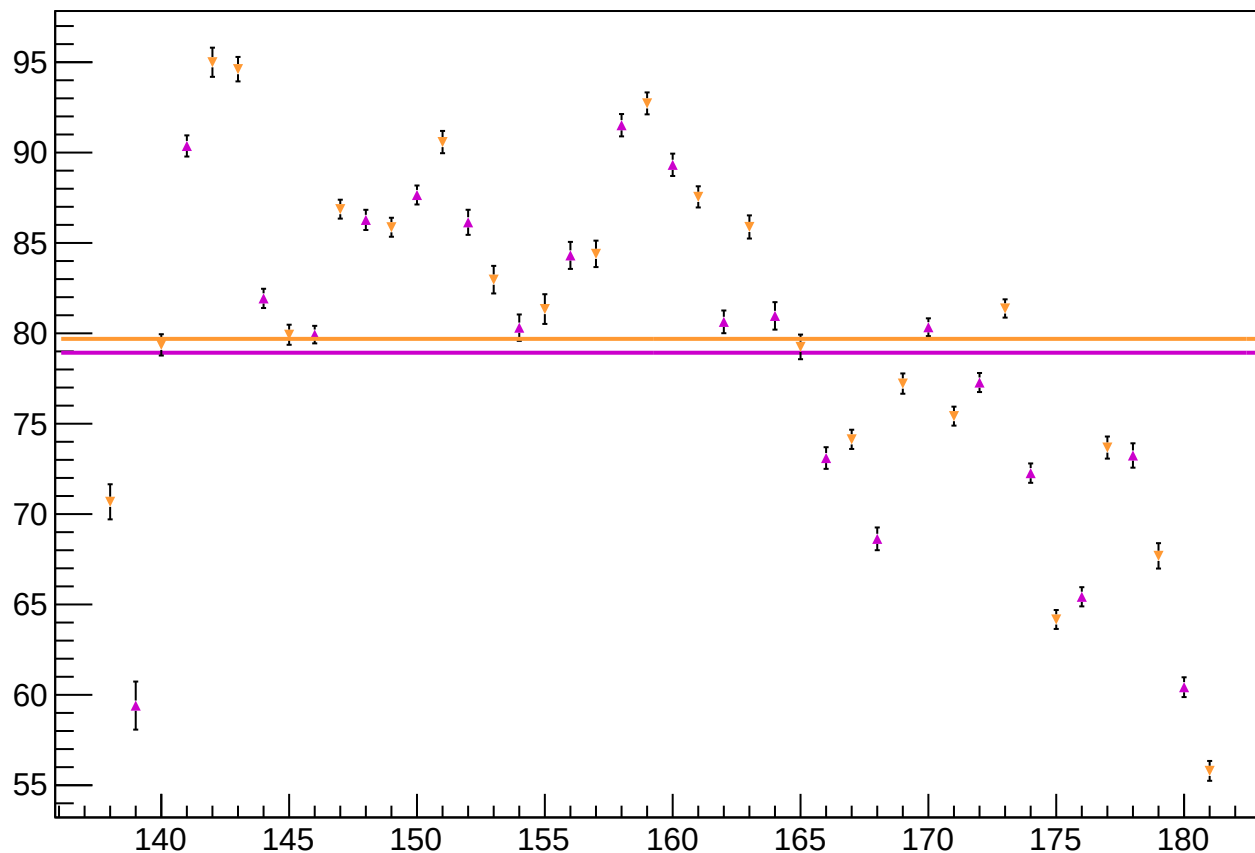
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -29.699+/-0.148 χ^2/NDF :12993.9/20

Out: -28.600+/-0.145 χ^2/NDF :15522.1/22

All: -29.139+/-0.104 χ^2/NDF : 28544.1/43

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: 79.694 $\pm$ 0.127 χ^2 /NDF:5737.9/22

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

Left In: 78.927 $\pm$ 0.130 χ^2 /NDF:4355.7/20

Left: 79.320 $\pm$ 0.091 χ^2 /NDF: 10111.4/43

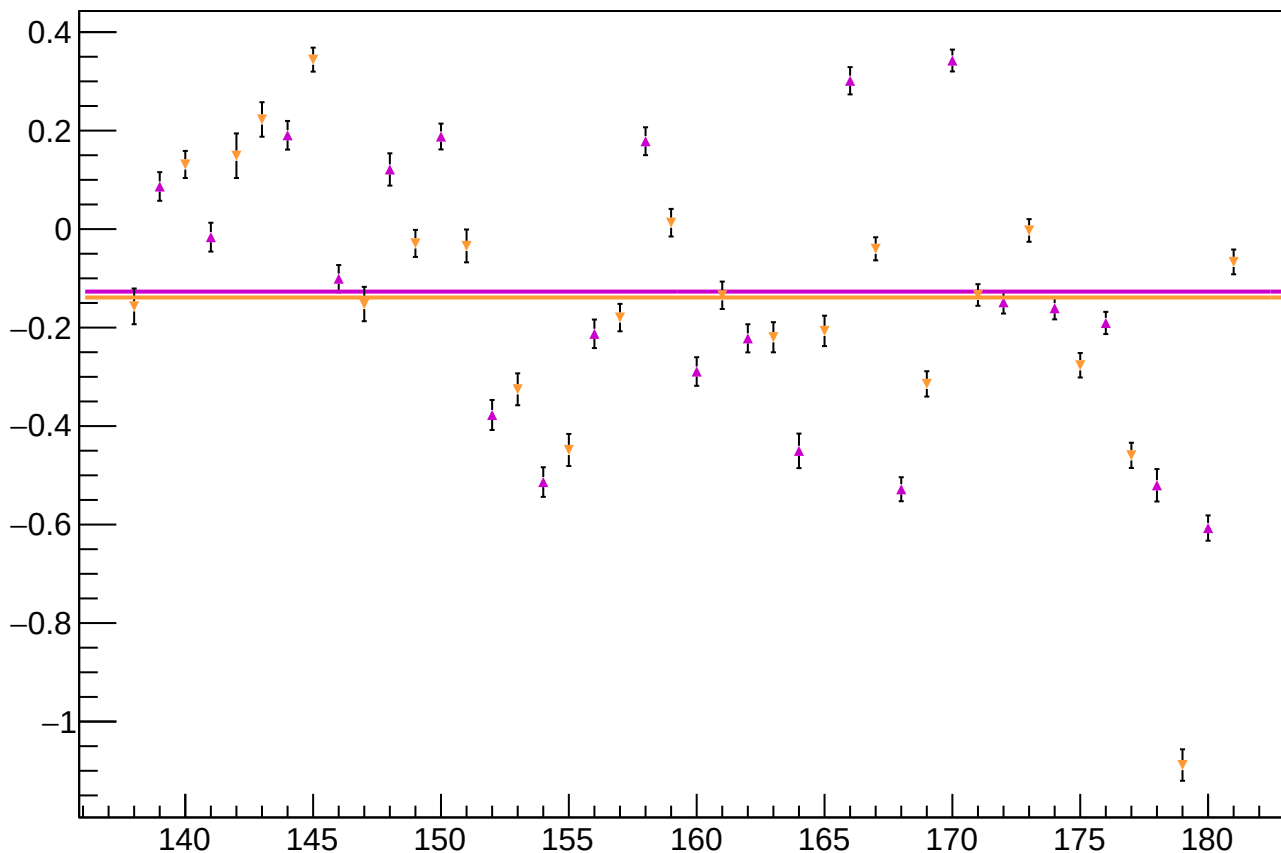
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 78.927 $\pm$ 0.130 χ^2 /NDF:4355.7/20

Out: 79.694 $\pm$ 0.127 χ^2 /NDF:5737.9/22

All: 79.320 $\pm$ 0.091 χ^2 /NDF: 10111.4/43

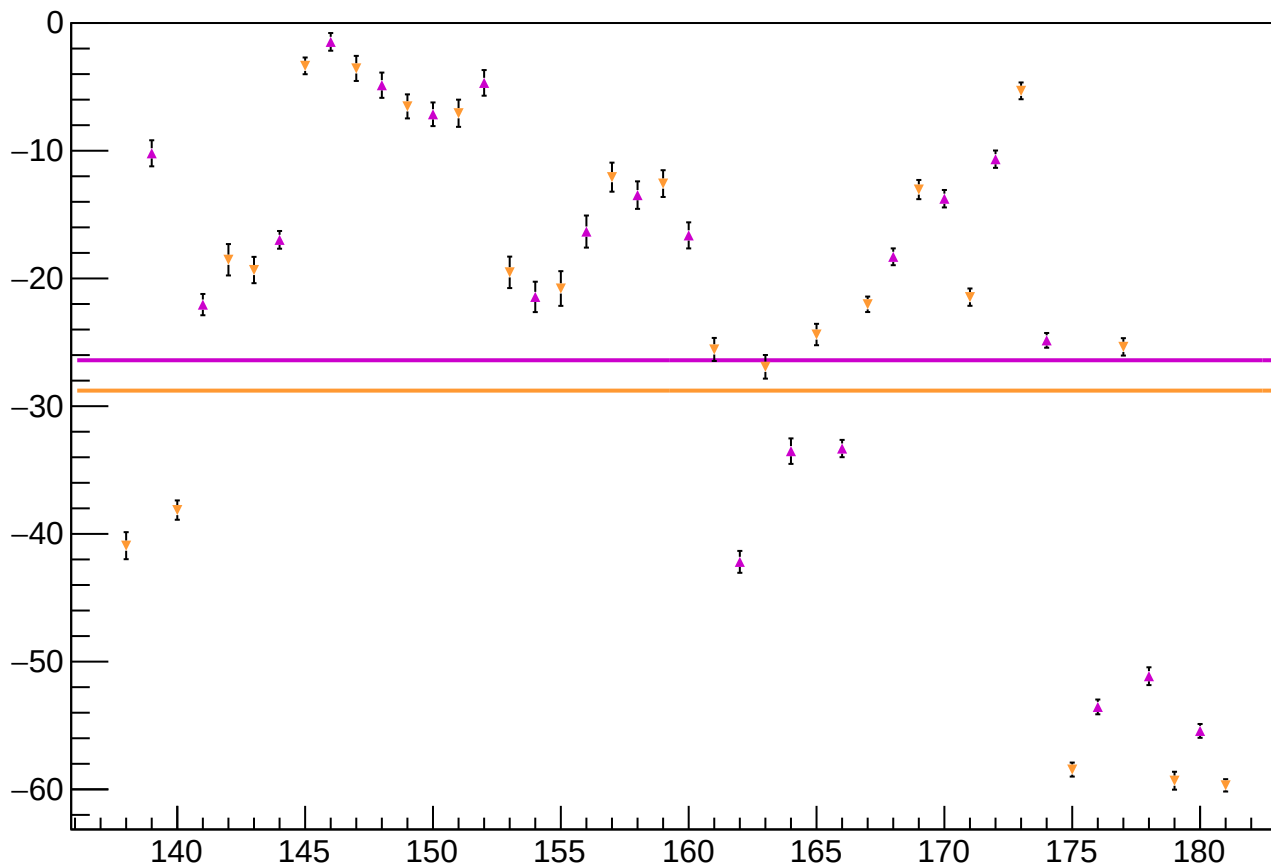
reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.139 $\pm$ 0.006 χ^2 /NDF:2006.2/22
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.127 $\pm$ 0.006 χ^2 /NDF:2334.1/20

Left: -0.133 $\pm$ 0.004 χ^2 /NDF: 4342.4/43
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.127 $\pm$ 0.006 χ^2 /NDF:2334.1/20
 Out: -0.139 $\pm$ 0.006 χ^2 /NDF:2006.2/22
 All: -0.133 $\pm$ 0.004 χ^2 /NDF: 4342.4/43

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: -28.781+/-0.164 χ^2/NDF :15056.7/22

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

Left In: -26.404+/-0.168 χ^2/NDF :11312.8/20

Left: -27.618+/-0.117 χ^2/NDF : 26472.0/43

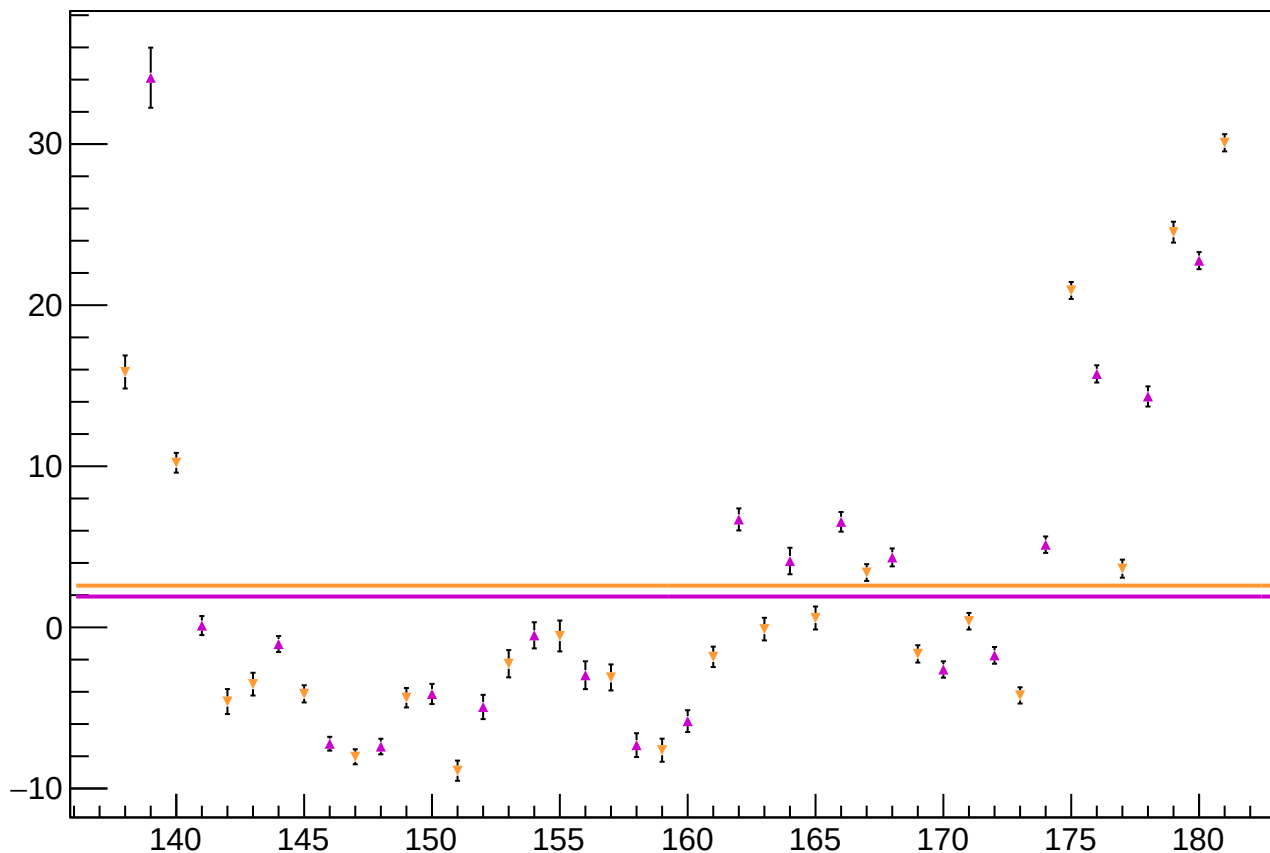
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -26.404+/-0.168 χ^2/NDF :11312.8/20

Out: -28.781+/-0.164 χ^2/NDF :15056.7/22

All: -27.618+/-0.117 χ^2/NDF : 26472.0/43

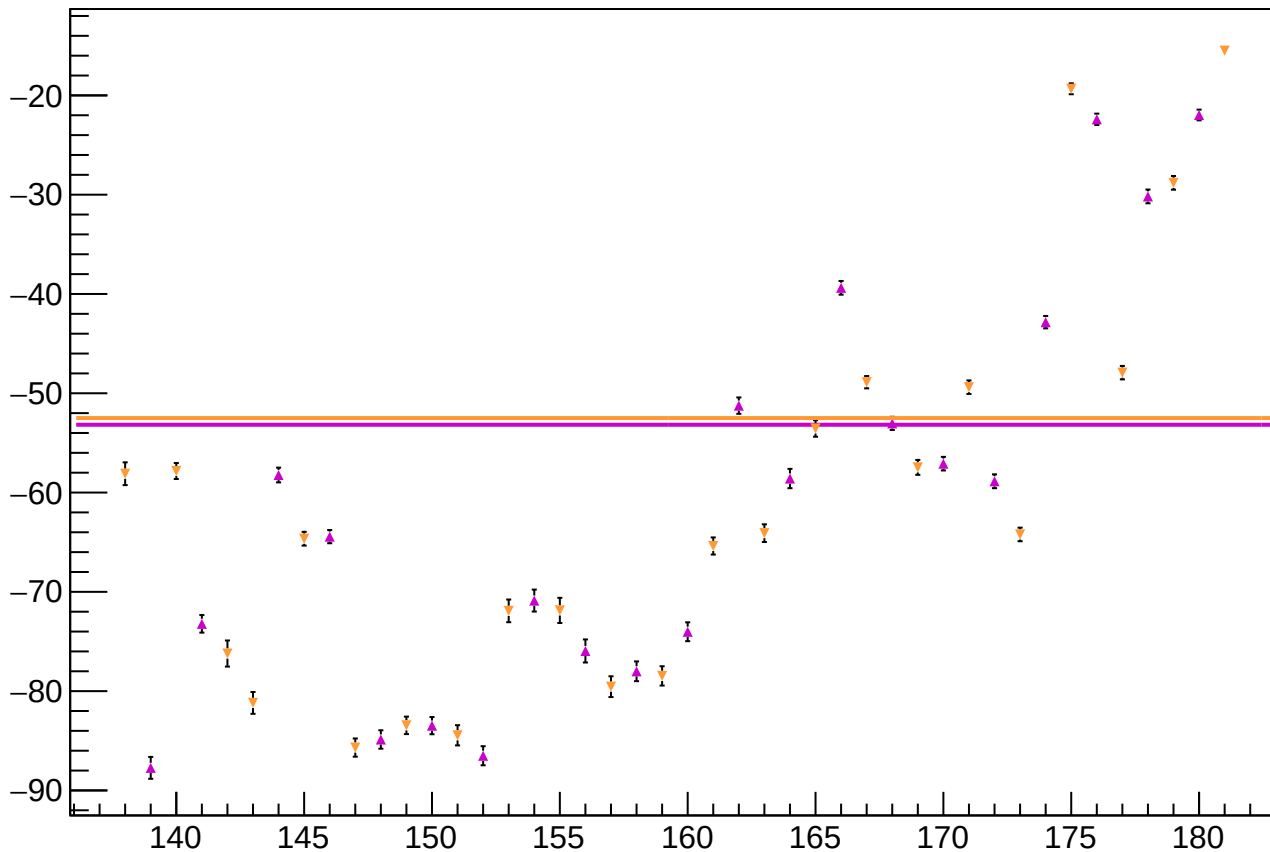
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 2.591+/-0.128 χ^2/NDF : 7279.1/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 1.915+/-0.130 χ^2/NDF : 4581.3/20

Left: 2.259+/-0.092 χ^2/NDF : 11874.0/43
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 1.915+/-0.130 χ^2/NDF : 4581.3/20
 Out: 2.591+/-0.128 χ^2/NDF : 7279.1/22
 All: 2.259+/-0.092 χ^2/NDF : 11874.0/43

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: -52.496+/-0.165 χ^2/NDF :17873.4/22

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

Left In: -53.169+/-0.168 χ^2/NDF :15312.0/20

Left: -52.827+/-0.117 χ^2/NDF : 33193.6/43

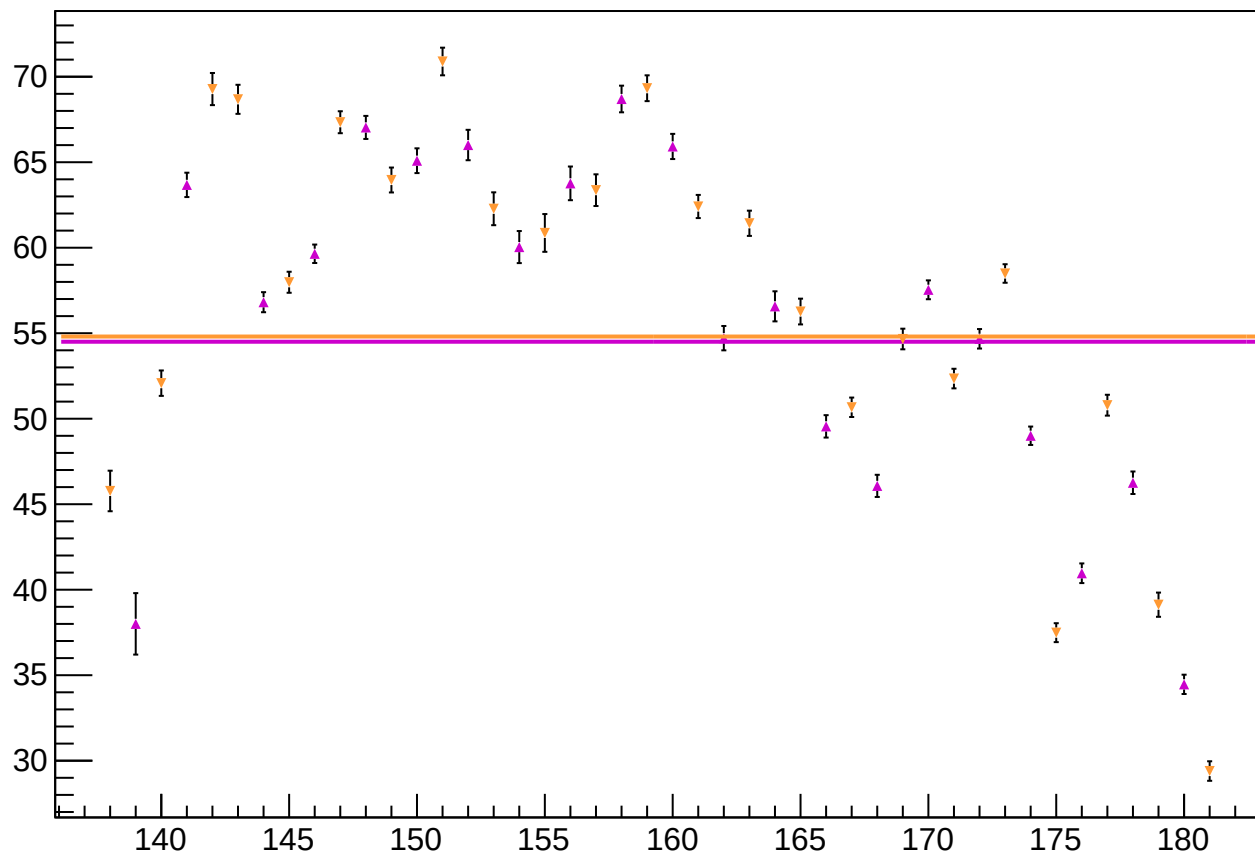
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -53.169+/-0.168 χ^2/NDF :15312.0/20

Out: -52.496+/-0.165 χ^2/NDF :17873.4/22

All: -52.827+/-0.117 χ^2/NDF : 33193.6/43

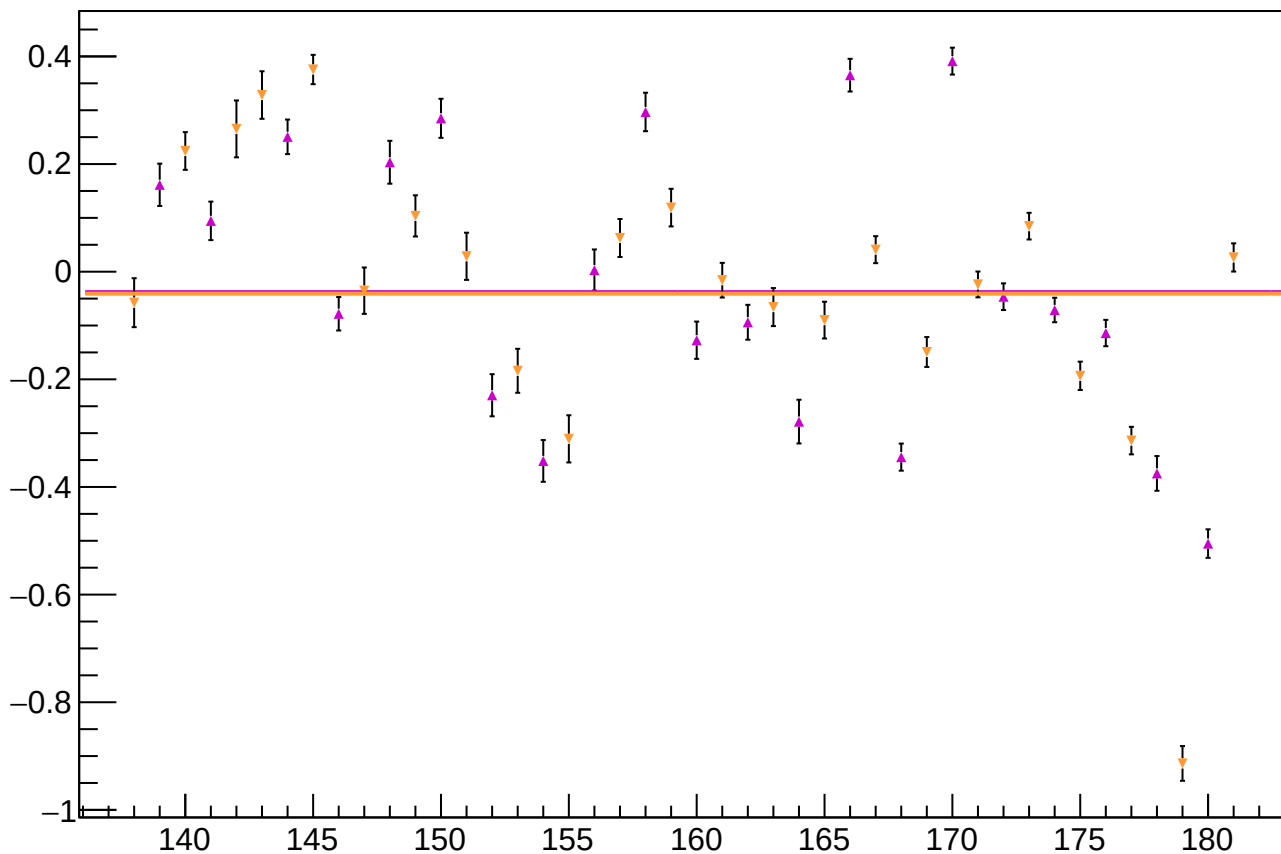
reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 54.806 $\pm$ 0.145 χ^2 /NDF:5904.8/22
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 54.502 $\pm$ 0.148 χ^2 /NDF:4118.0/20

Left: 54.657 $\pm$ 0.103 χ^2 /NDF: 10024.9/43
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 54.502 $\pm$ 0.148 χ^2 /NDF:4118.0/20
 Out: 54.806 $\pm$ 0.145 χ^2 /NDF:5904.8/22
 All: 54.657 $\pm$ 0.103 χ^2 /NDF: 10024.9/43

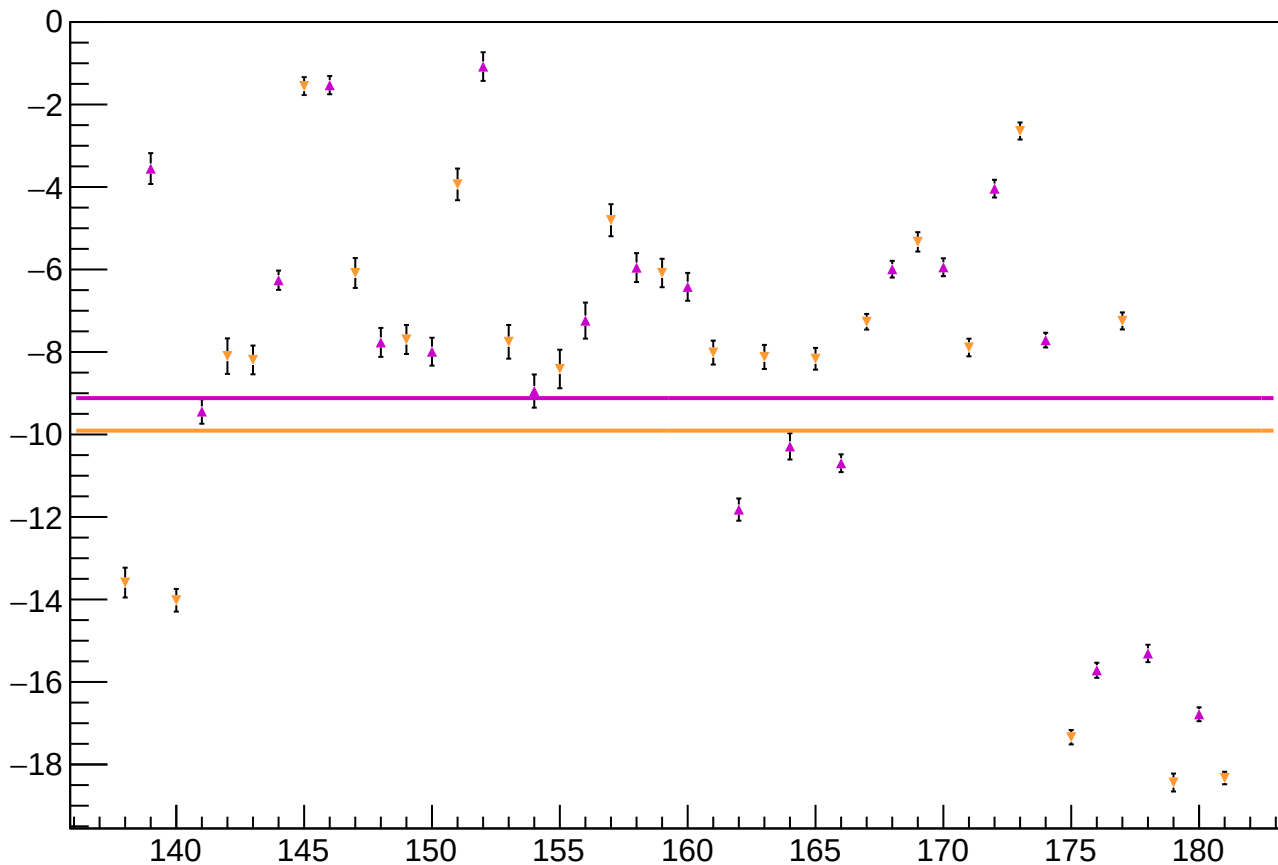
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.041 $\pm$ 0.007 χ^2 /NDF:1432.3/22
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.038 $\pm$ 0.007 χ^2 /NDF:1511.8/20

Left: -0.039 $\pm$ 0.005 χ^2 /NDF: 2944.2/43
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.038 $\pm$ 0.007 χ^2 /NDF:1511.8/20
 Out: -0.041 $\pm$ 0.007 χ^2 /NDF:1432.3/22
 All: -0.039 $\pm$ 0.005 χ^2 /NDF: 2944.2/43

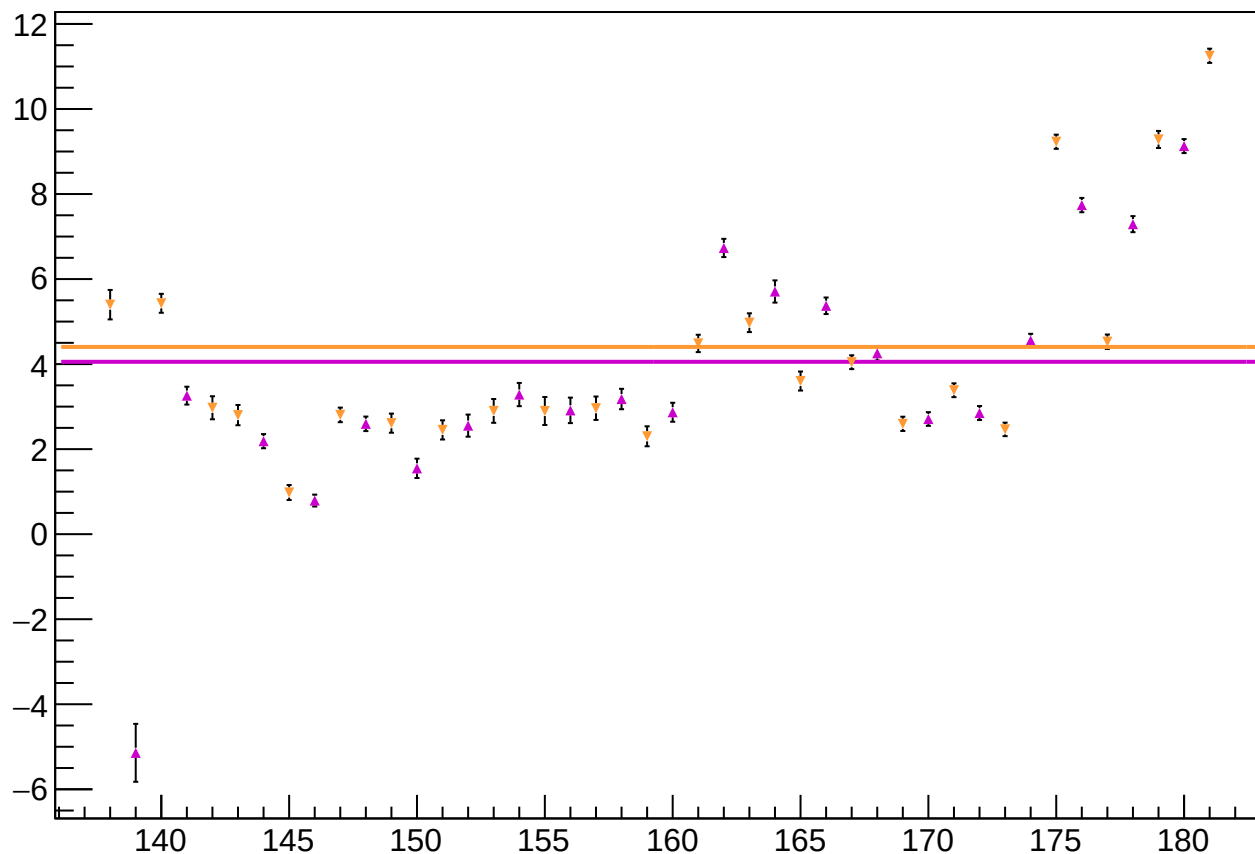
reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -9.906 $\pm$ 0.053 χ^2 /NDF:11197.0/22
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -9.119 $\pm$ 0.054 χ^2 /NDF:7756.9/20

Left: -9.519 $\pm$ 0.038 χ^2 /NDF: 19061.8/43
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -9.119 $\pm$ 0.054 χ^2 /NDF:7756.9/20
 Out: -9.906 $\pm$ 0.053 χ^2 /NDF:11197.0/22
 All: -9.519 $\pm$ 0.038 χ^2 /NDF: 19061.8/43

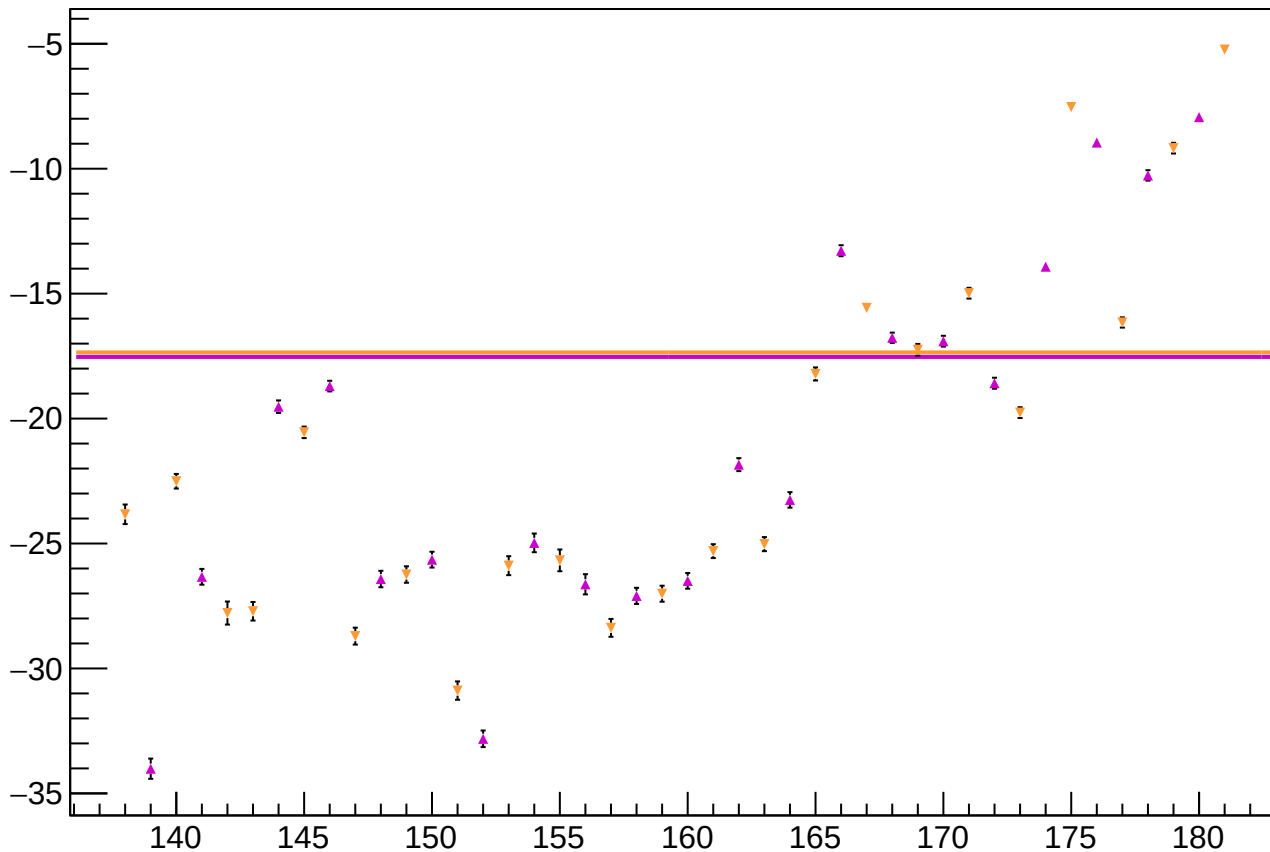
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 4.404+/-0.042 χ^2/NDF : 4291.0/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 4.054+/-0.042 χ^2/NDF : 3260.6/20

Left: 4.230+/-0.030 χ^2/NDF : 7585.9/43
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 4.054+/-0.042 χ^2/NDF : 3260.6/20
 Out: 4.404+/-0.042 χ^2/NDF : 4291.0/22
 All: 4.230+/-0.030 χ^2/NDF : 7585.9/43

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: -17.352+/-0.053 χ^2/NDF :20465.5/22

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

Left In: -17.533+/-0.054 χ^2/NDF :16739.5/20

Left: -17.442+/-0.038 χ^2/NDF : 37210.7/43

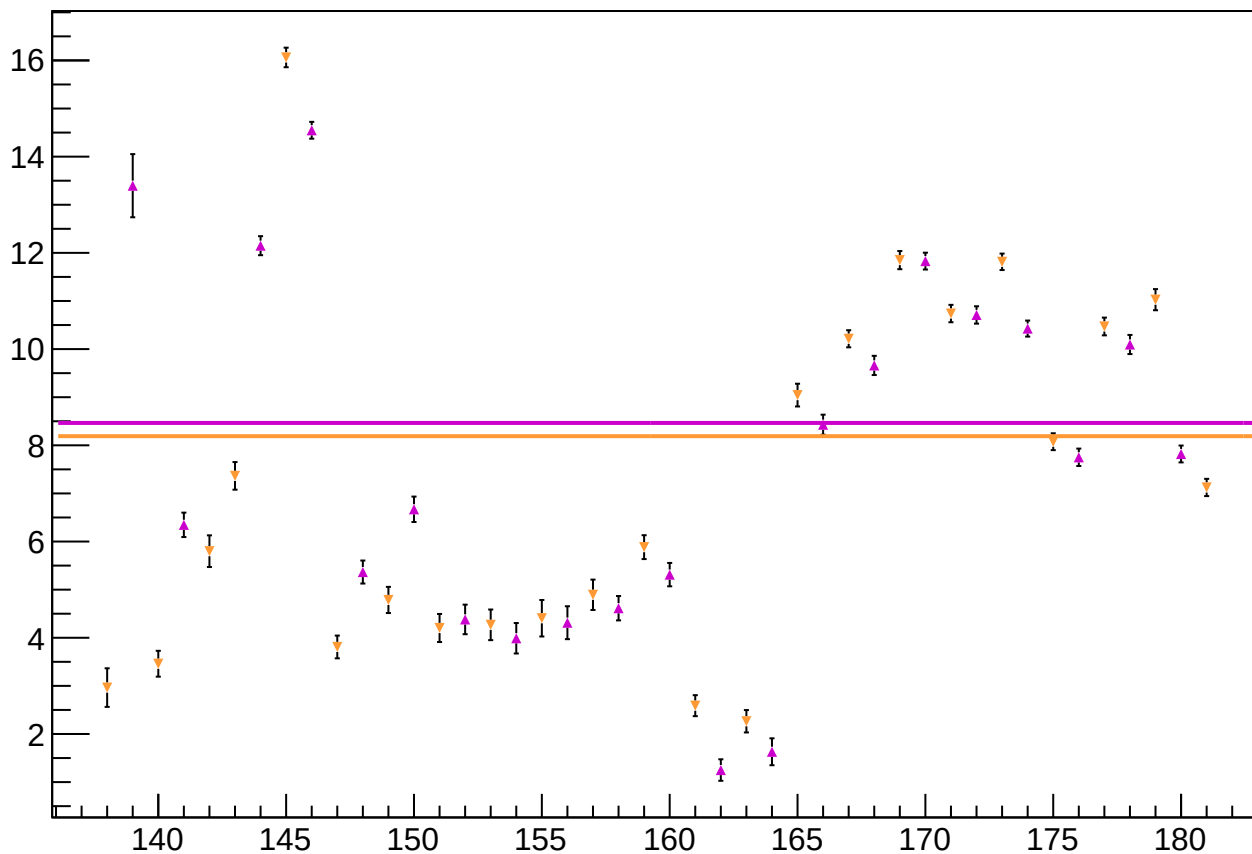
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -17.533+/-0.054 χ^2/NDF :16739.5/20

Out: -17.352+/-0.053 χ^2/NDF :20465.5/22

All: -17.442+/-0.038 χ^2/NDF : 37210.7/43

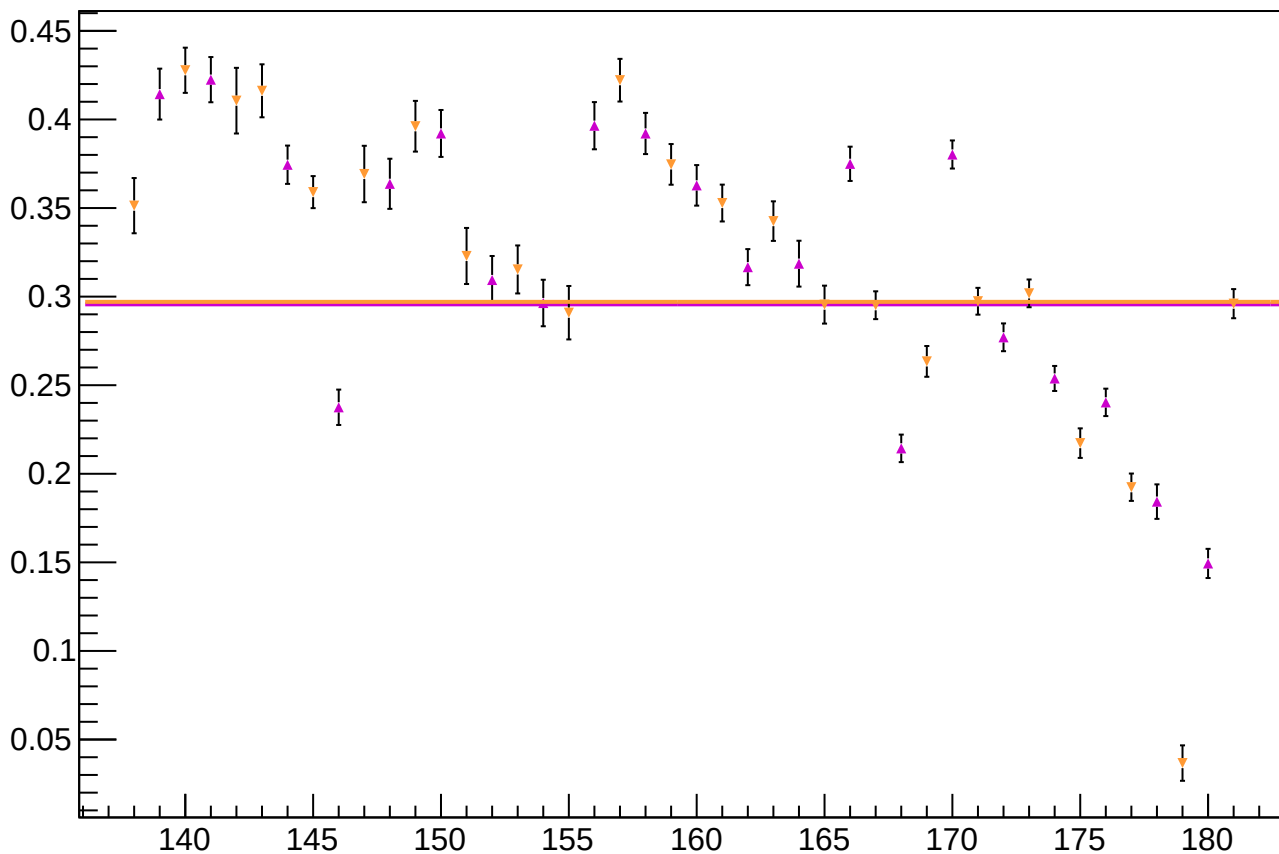
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.190+/-0.047 χ^2/NDF :6003.9/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 8.465+/-0.048 χ^2/NDF :5255.0/20

Left: 8.326+/-0.034 χ^2/NDF : 11275.7/43
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 8.465+/-0.048 χ^2/NDF :5255.0/20
 Out: 8.190+/-0.047 χ^2/NDF :6003.9/22
 All: 8.326+/-0.034 χ^2/NDF : 11275.7/43

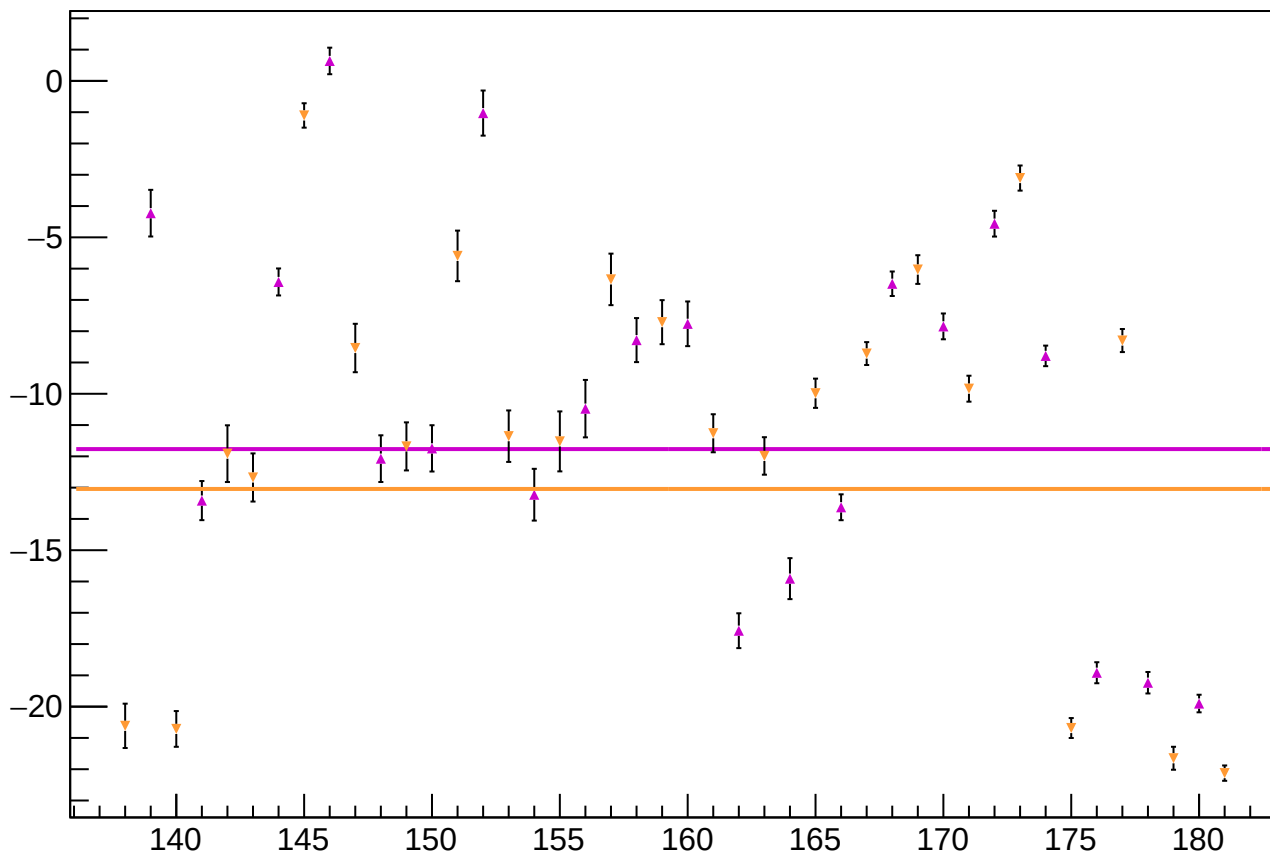
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.297 $\pm$ 0.002 χ^2 /NDF:1505.1/22
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.296 $\pm$ 0.002 χ^2 /NDF:1327.5/20

Left: 0.296 $\pm$ 0.002 χ^2 /NDF: 2832.8/43
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.296 $\pm$ 0.002 χ^2 /NDF:1327.5/20
 Out: 0.297 $\pm$ 0.002 χ^2 /NDF:1505.1/22
 All: 0.296 $\pm$ 0.002 χ^2 /NDF: 2832.8/43

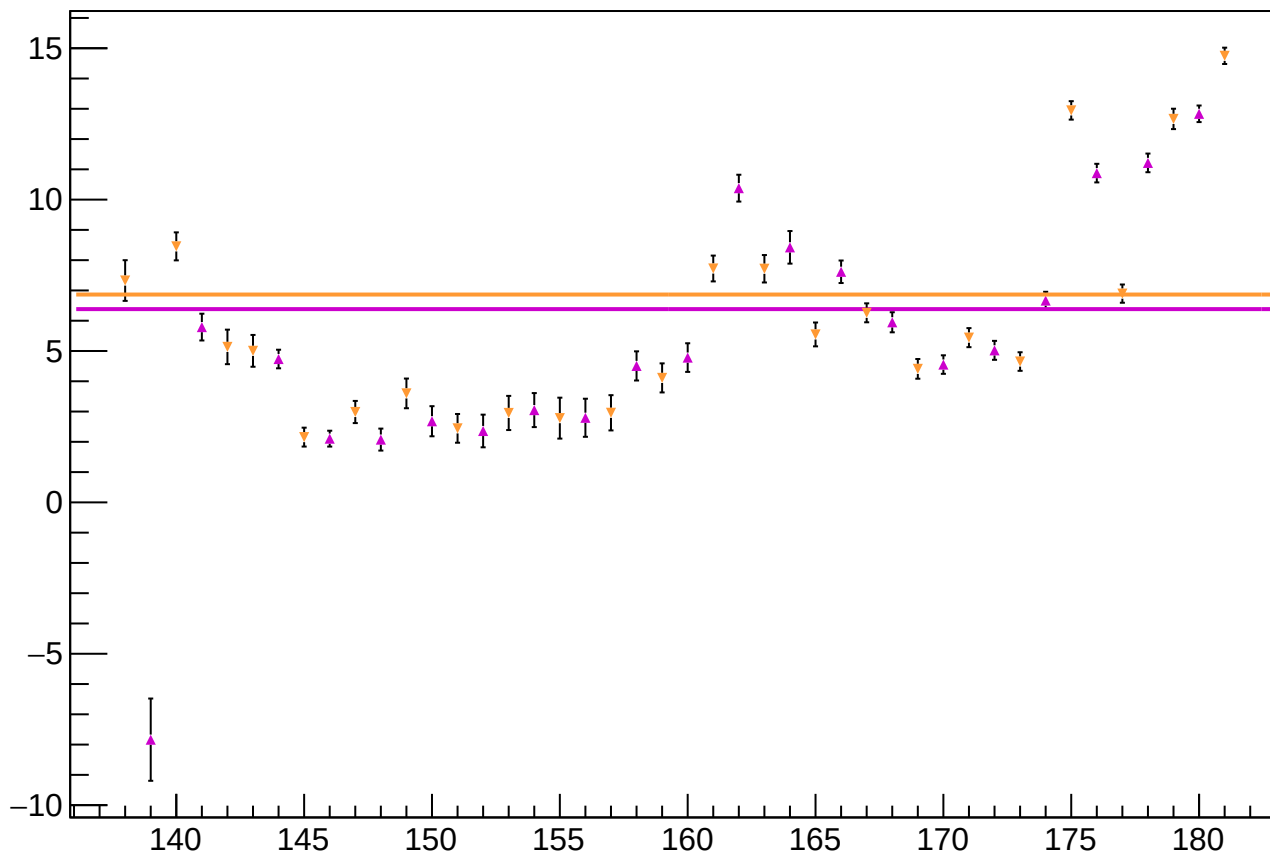
reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -13.042+/-0.099 χ^2/NDF :5250.7/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -11.768+/-0.102 χ^2/NDF :3994.6/20

Left: -12.420+/-0.071 χ^2/NDF : 9325.4/43
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -11.768+/-0.102 χ^2/NDF :3994.6/20
 Out: -13.042+/-0.099 χ^2/NDF :5250.7/22
 All: -12.420+/-0.071 χ^2/NDF : 9325.4/43

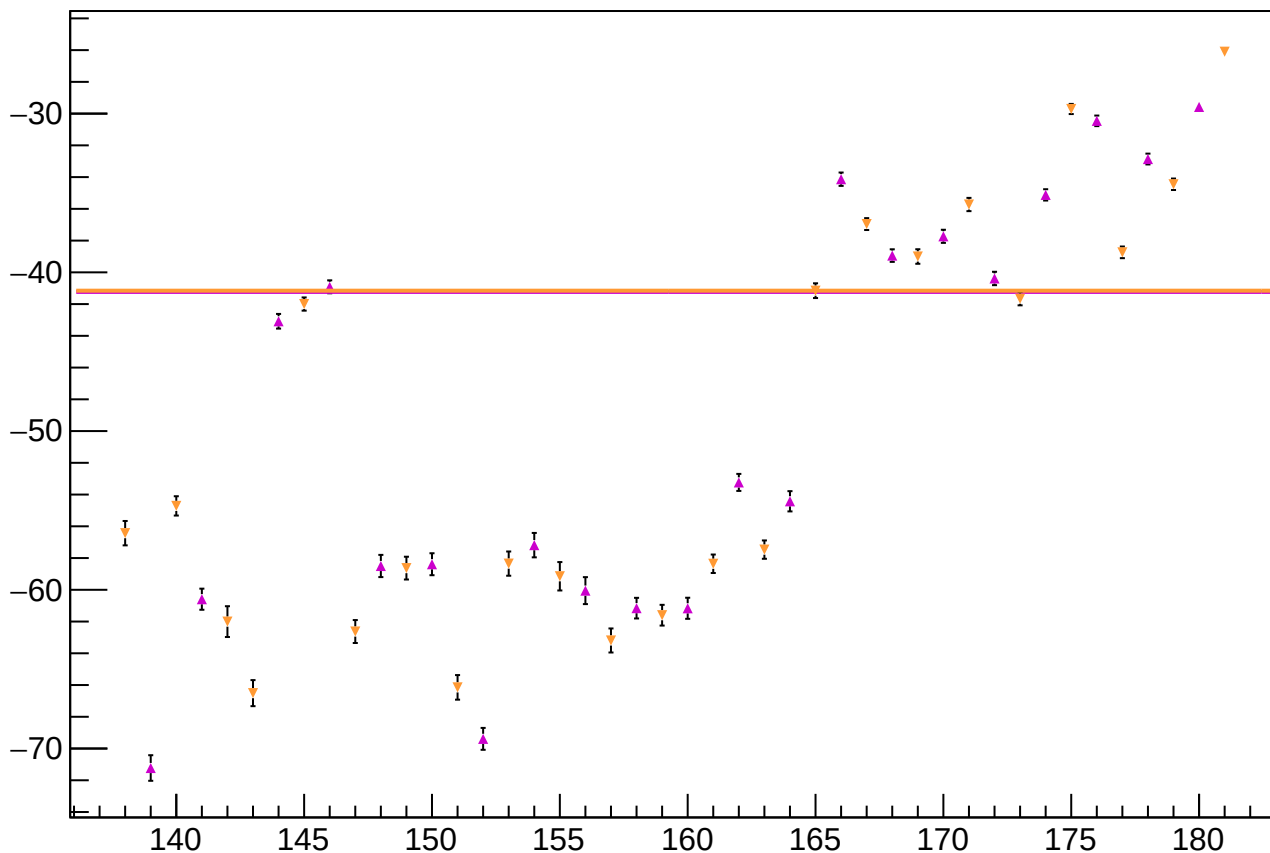
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 6.865 $\pm$ 0.081 χ^2 /NDF:2370.8/22
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 6.383 $\pm$ 0.081 χ^2 /NDF:1933.3/20

Left: 6.625 $\pm$ 0.057 χ^2 /NDF: 4322.0/43
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 6.383 $\pm$ 0.081 χ^2 /NDF:1933.3/20
 Out: 6.865 $\pm$ 0.081 χ^2 /NDF:2370.8/22
 All: 6.625 $\pm$ 0.057 χ^2 /NDF: 4322.0/43

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: -41.155+/-0.100 χ^2/NDF :14720.1/22

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

Left In: -41.232+/-0.102 χ^2/NDF :12910.7/20

Left: -41.193+/-0.071 χ^2/NDF : 27631.1/43

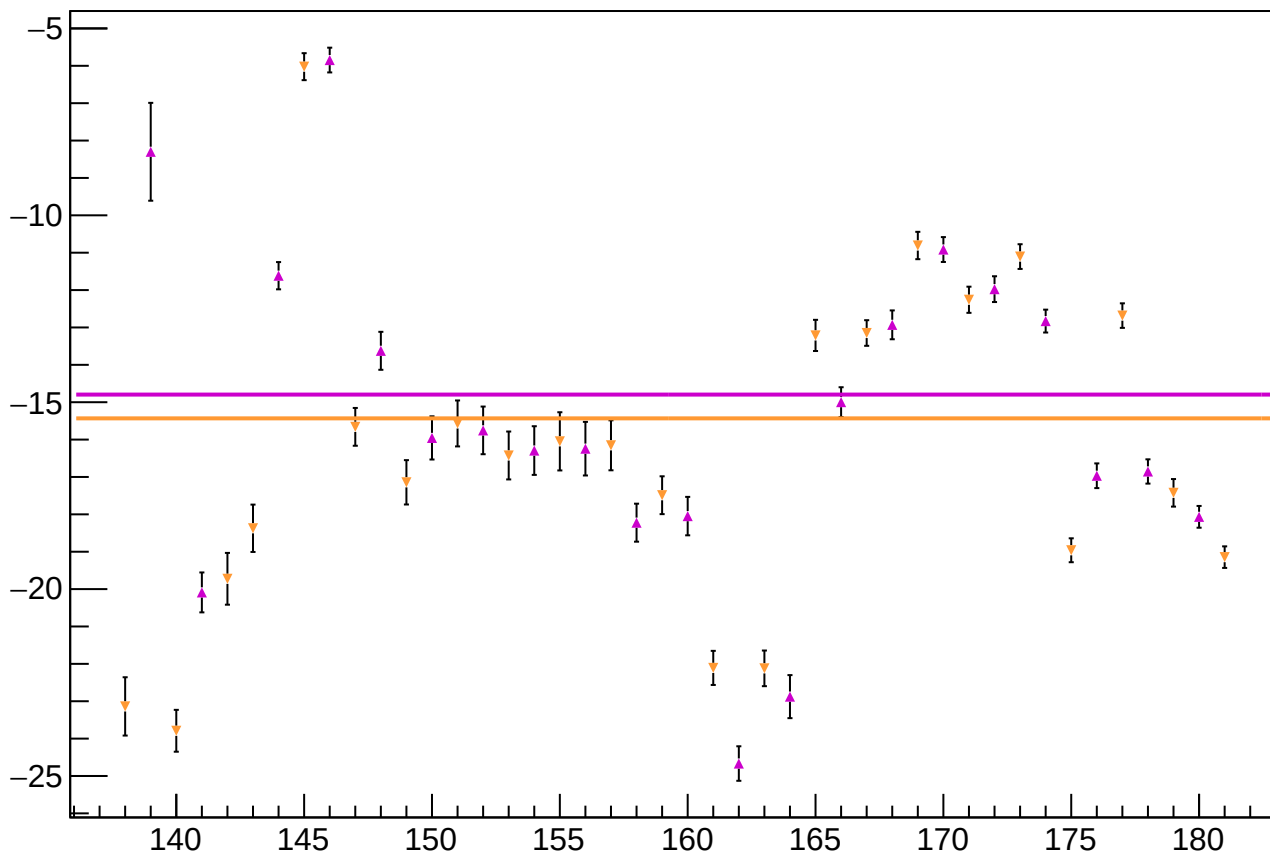
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -41.232+/-0.102 χ^2/NDF :12910.7/20

Out: -41.155+/-0.100 χ^2/NDF :14720.1/22

All: -41.193+/-0.071 χ^2/NDF : 27631.1/43

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: -15.432 ± 0.090 χ^2/NDF : 2373.2/22

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -14.796 ± 0.091 χ^2/NDF : 2166.8/20

Left: -15.117 ± 0.064 χ^2/NDF : 4564.8/43

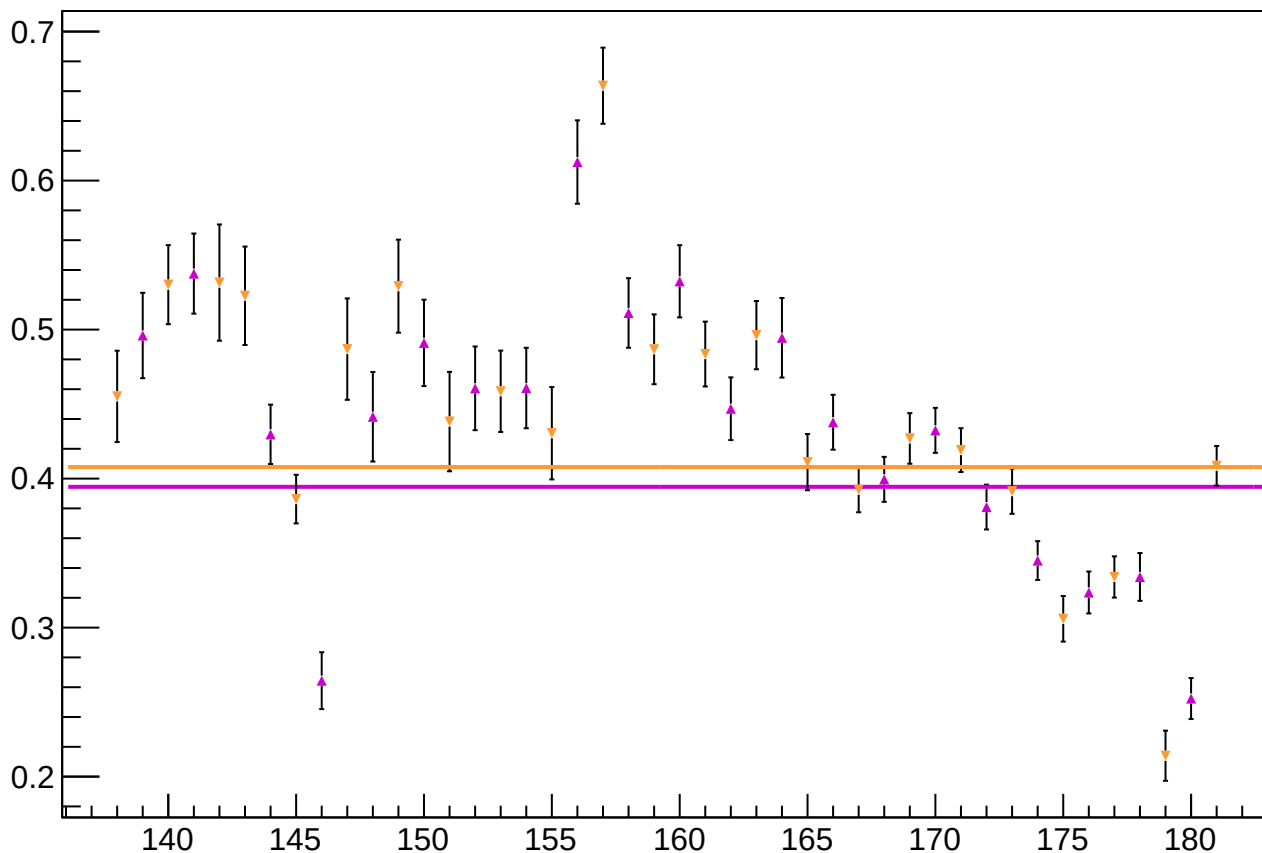
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -14.796 ± 0.091 χ^2/NDF : 2166.8/20

Out: -15.432 ± 0.090 χ^2/NDF : 2373.2/22

All: -15.117 ± 0.064 χ^2/NDF : 4564.8/43

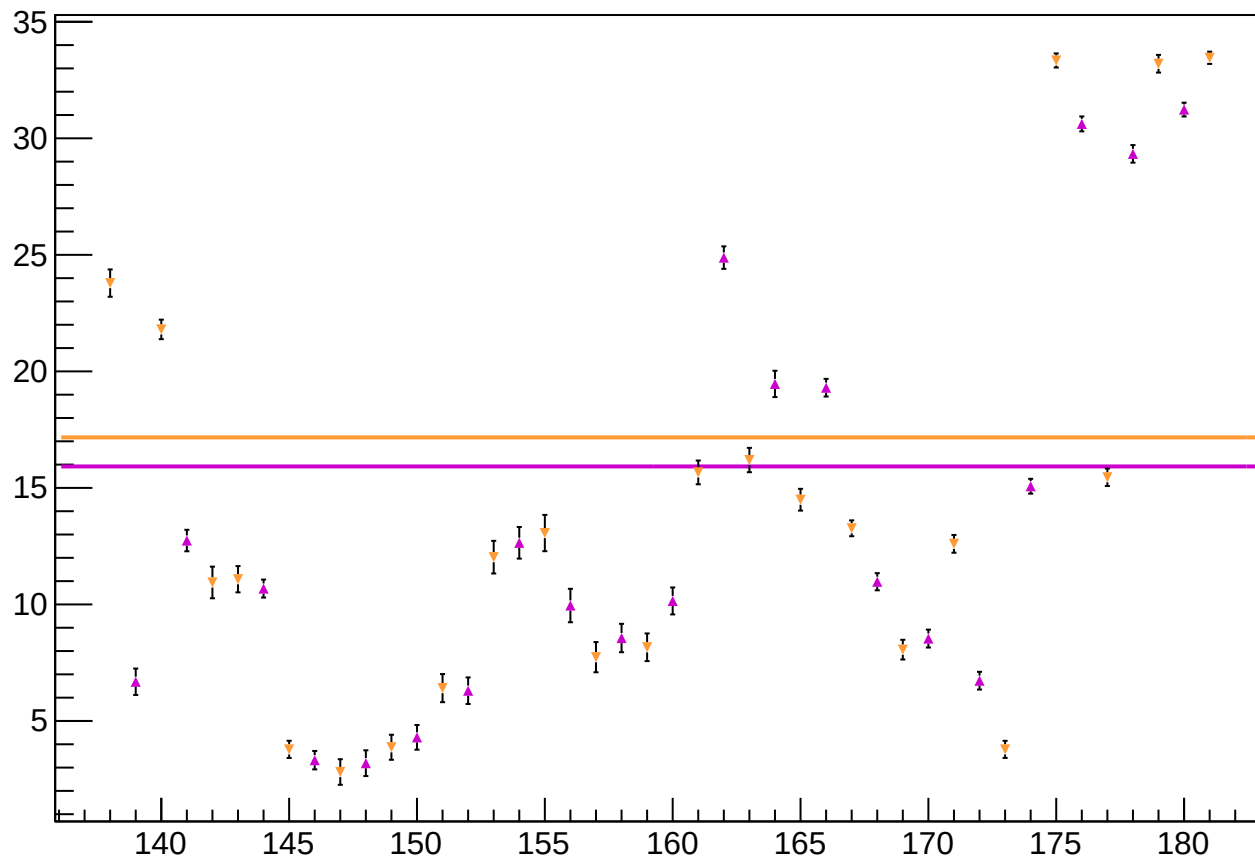
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.408 $\pm$ 0.004 χ^2 /NDF:421.2/22
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.394 $\pm$ 0.004 χ^2 /NDF:427.7/20

Left: 0.401 $\pm$ 0.003 χ^2 /NDF: 854.0/43
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.394 $\pm$ 0.004 χ^2 /NDF:427.7/20
 Out: 0.408 $\pm$ 0.004 χ^2 /NDF:421.2/22
 All: 0.401 $\pm$ 0.003 χ^2 /NDF: 854.0/43

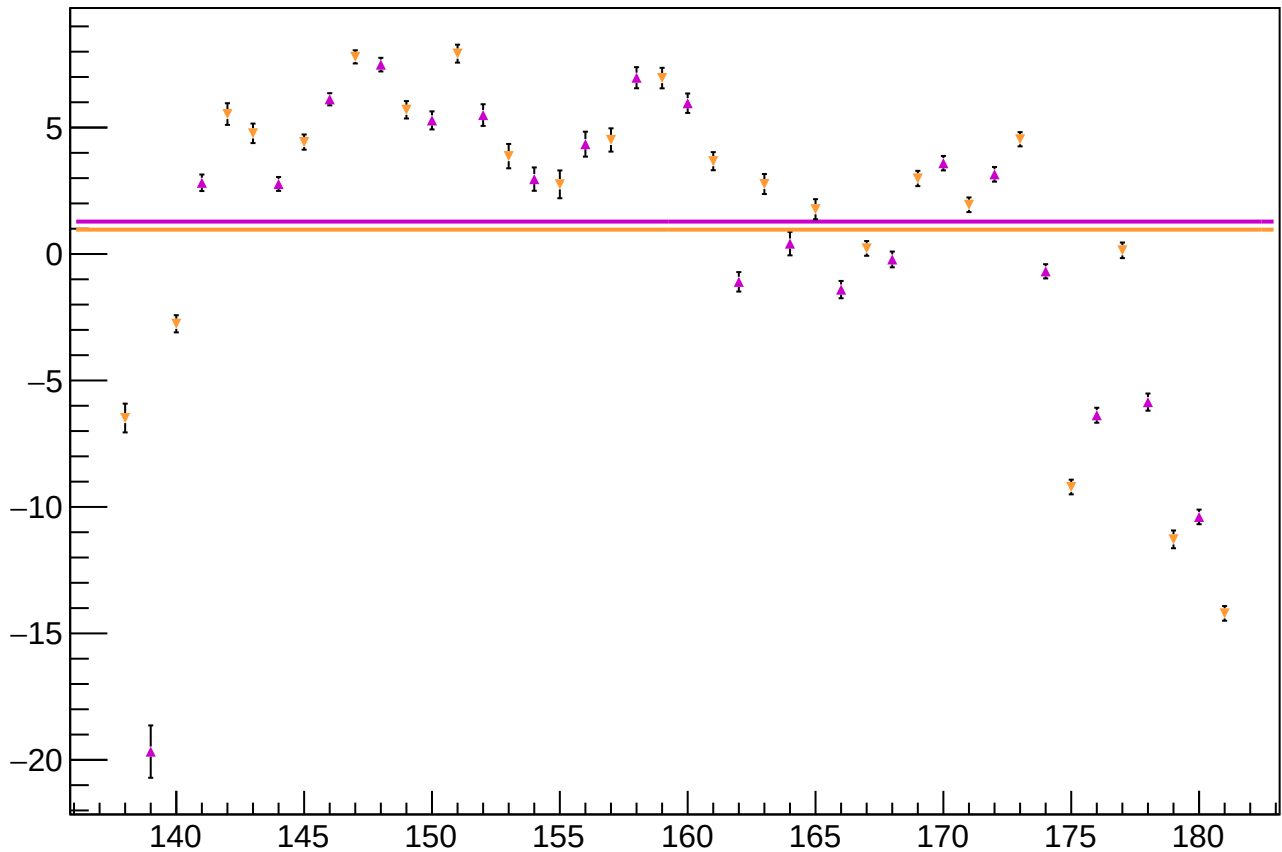
reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 17.168 $\pm$ 0.091 χ^2 /NDF:14503.6/22
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 15.921 $\pm$ 0.094 χ^2 /NDF:10808.3/20

Left: 16.559 $\pm$ 0.065 χ^2 /NDF: 25402.7/43
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 15.921 $\pm$ 0.094 χ^2 /NDF:10808.3/20
 Out: 17.168 $\pm$ 0.091 χ^2 /NDF:14503.6/22
 All: 16.559 $\pm$ 0.065 χ^2 /NDF: 25402.7/43

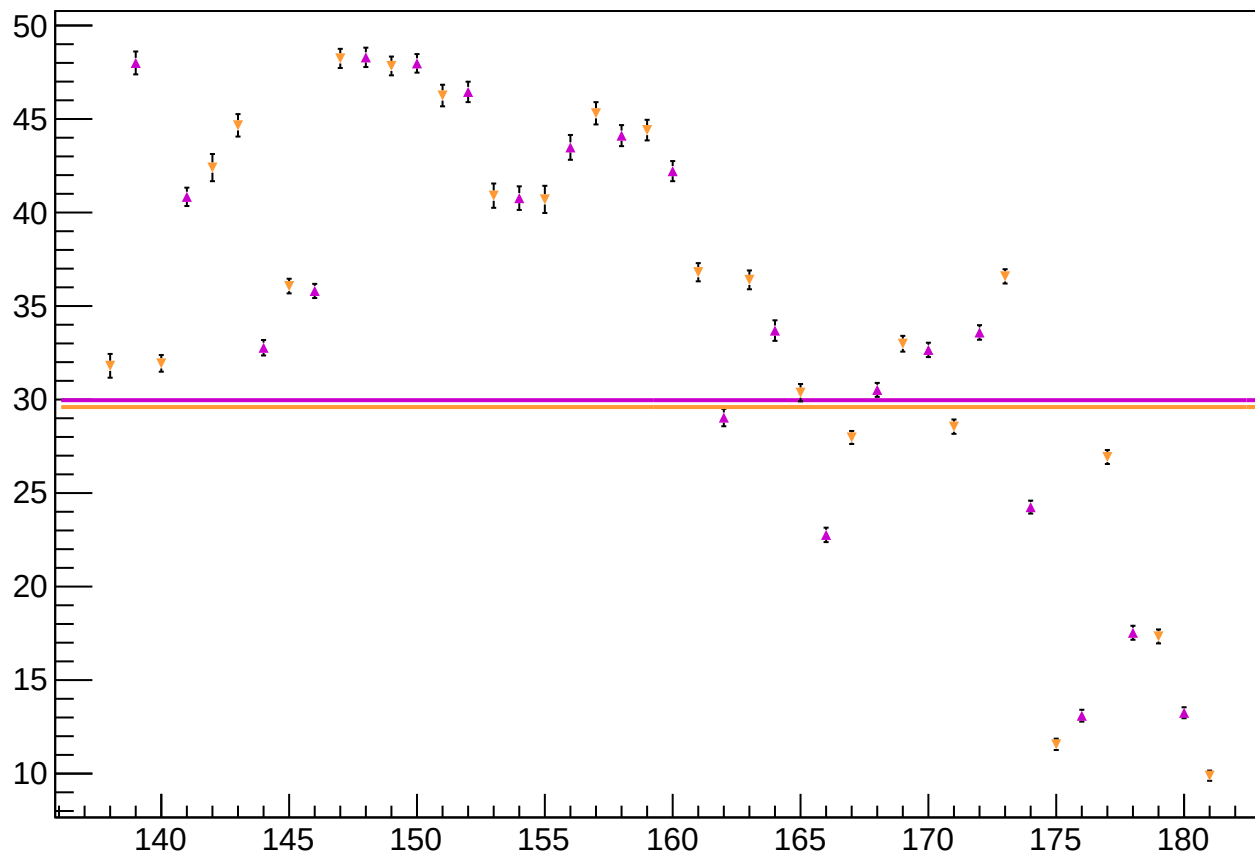
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.963+/-0.072 χ^2/NDF : 7715.1/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 1.282+/-0.073 χ^2/NDF : 5028.9/20

Left: 1.120+/-0.051 χ^2/NDF : 12753.8/43
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 1.282+/-0.073 χ^2/NDF : 5028.9/20
 Out: 0.963+/-0.072 χ^2/NDF : 7715.1/22
 All: 1.120+/-0.051 χ^2/NDF : 12753.8/43

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: 29.598 $\pm$ 0.092 χ^2 /NDF:17366.9/22

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

Left In: 29.967 $\pm$ 0.094 χ^2 /NDF:14958.9/20

Left: 29.779 $\pm$ 0.066 χ^2 /NDF: 32333.8/43

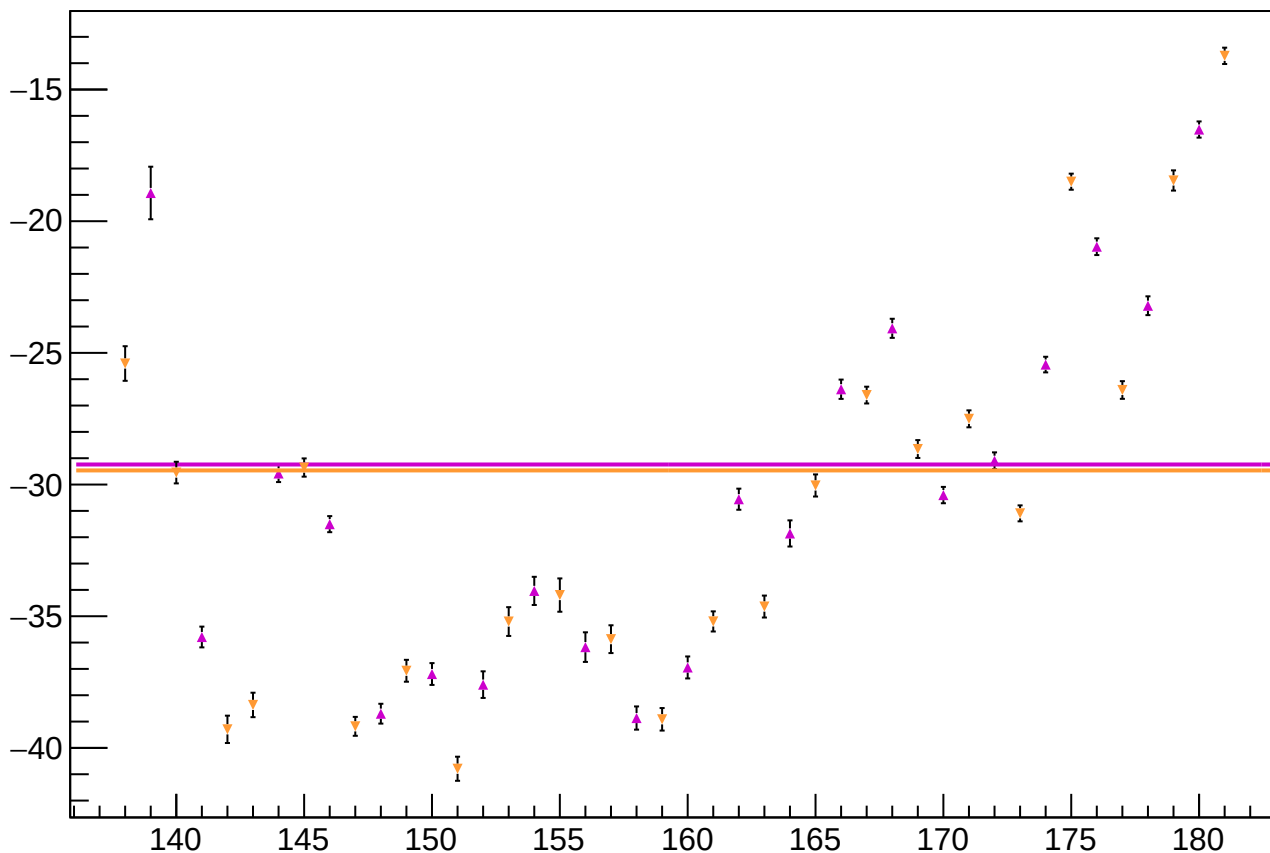
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 29.967 $\pm$ 0.094 χ^2 /NDF:14958.9/20

Out: 29.598 $\pm$ 0.092 χ^2 /NDF:17366.9/22

All: 29.779 $\pm$ 0.066 χ^2 /NDF: 32333.8/43

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



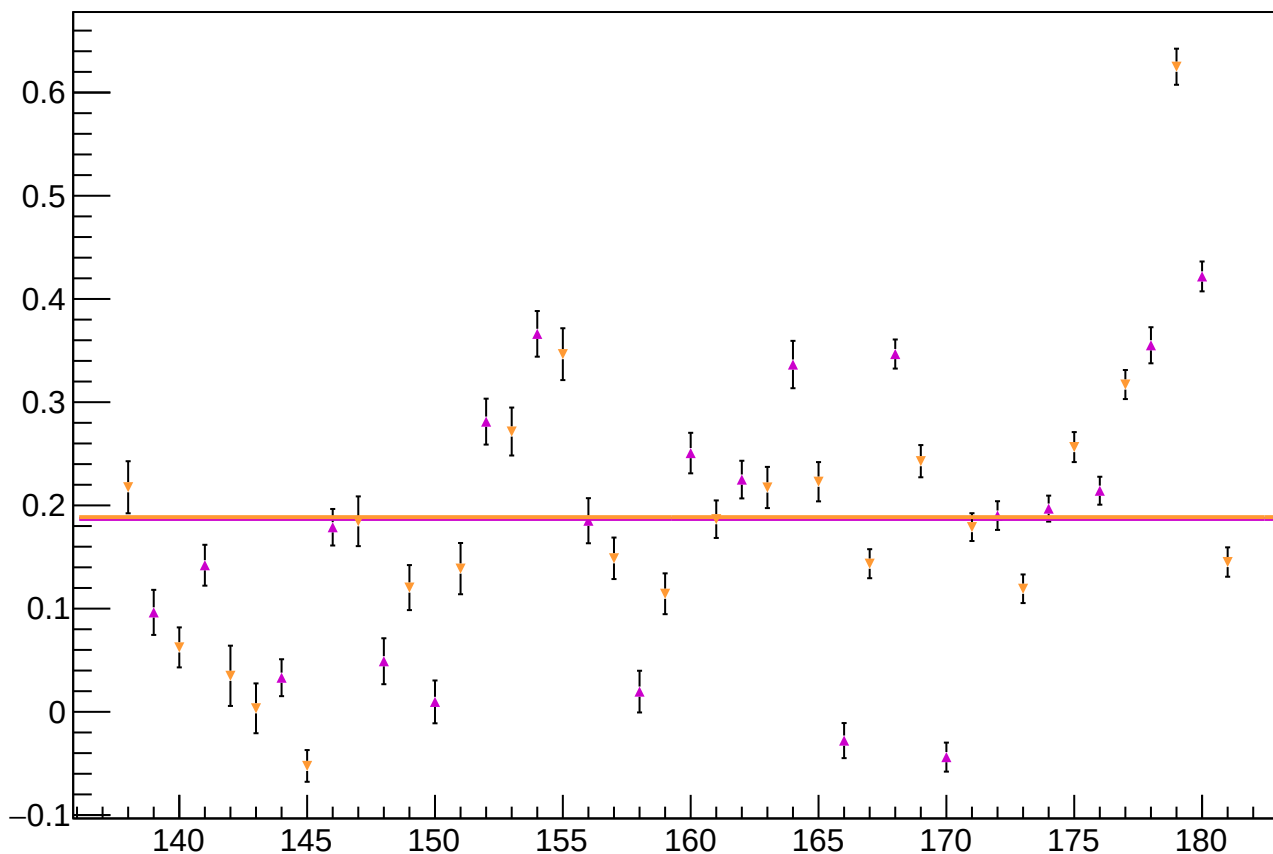
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -29.464+/-0.081 χ^2/NDF :8549.0/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -29.238+/-0.082 χ^2/NDF :5917.6/20

Left: -29.353+/-0.058 χ^2/NDF : 14470.4/43
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -29.238+/-0.082 χ^2/NDF :5917.6/20
 Out: -29.464+/-0.081 χ^2/NDF :8549.0/22

All: -29.353+/-0.058 χ^2/NDF : 14470.4/43

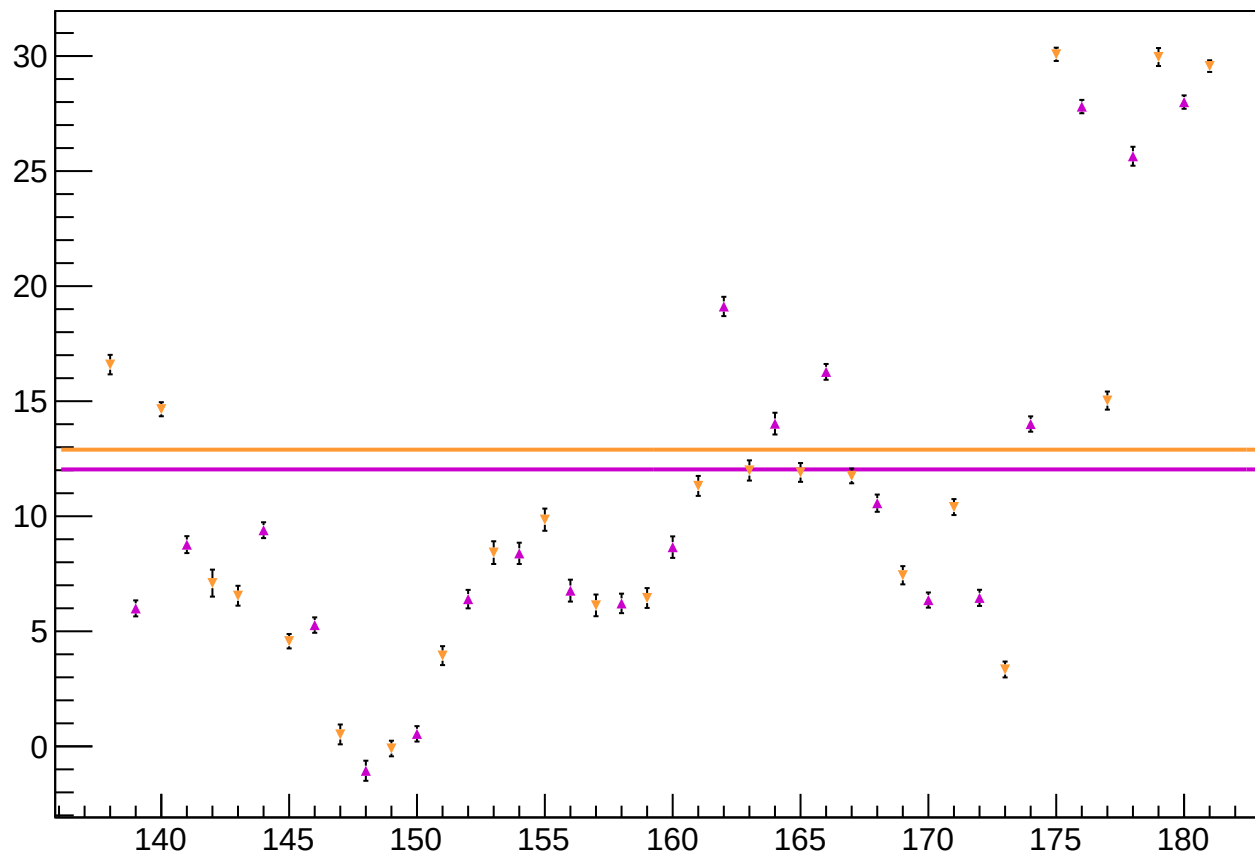
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.189 $\pm$ 0.004 χ^2 /NDF:1250.0/22
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.187 $\pm$ 0.004 χ^2 /NDF:1336.7/20

Left: 0.188 $\pm$ 0.003 χ^2 /NDF: 2586.8/43
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.187 $\pm$ 0.004 χ^2 /NDF:1336.7/20
 Out: 0.189 $\pm$ 0.004 χ^2 /NDF:1250.0/22
 All: 0.188 $\pm$ 0.003 χ^2 /NDF: 2586.8/43

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 12.894+/-0.078 χ^2/NDF :15291.3/22

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

Left In: 12.035+/-0.081 χ^2/NDF :11657.5/20

Left: 12.476+/-0.056 χ^2/NDF : 27007.3/43

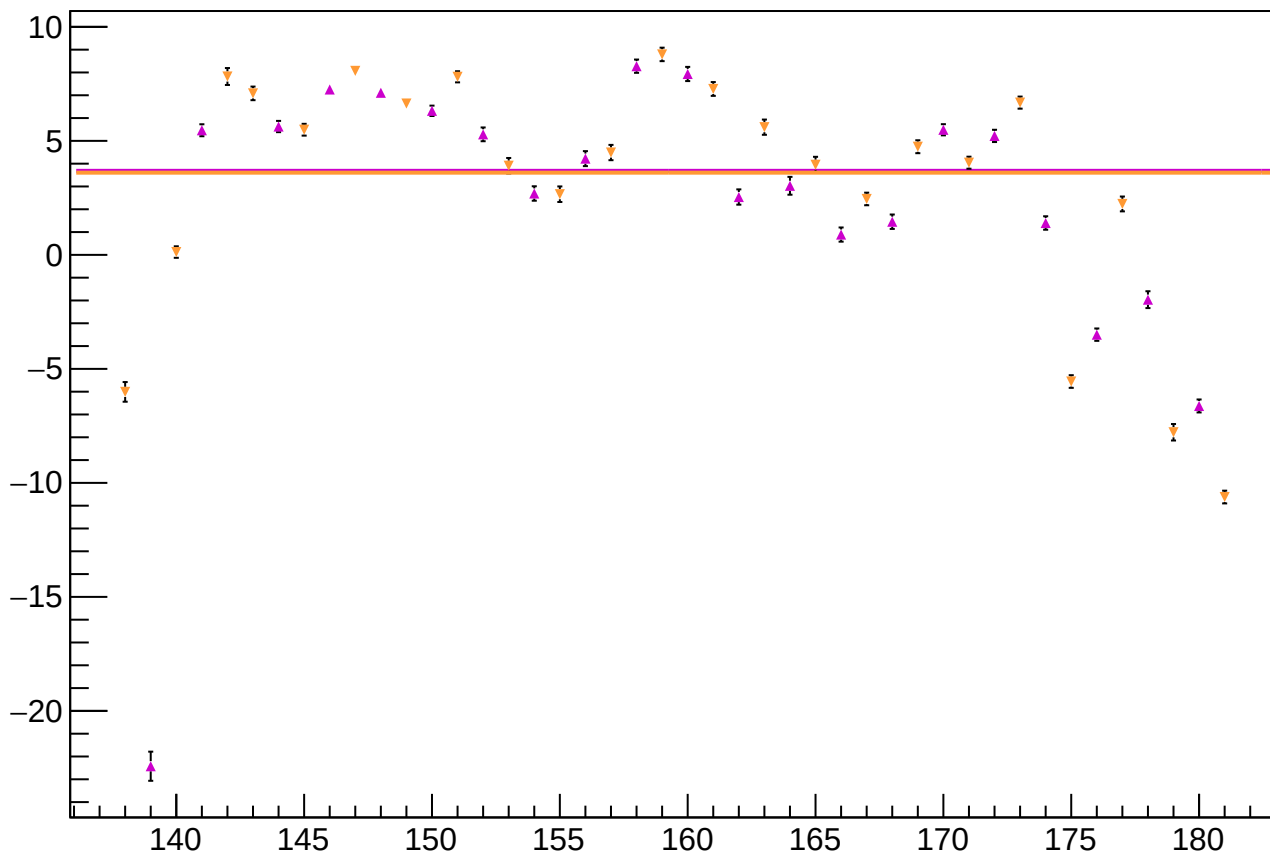
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 12.035+/-0.081 χ^2/NDF :11657.5/20

Out: 12.894+/-0.078 χ^2/NDF :15291.3/22

All: 12.476+/-0.056 χ^2/NDF : 27007.3/43

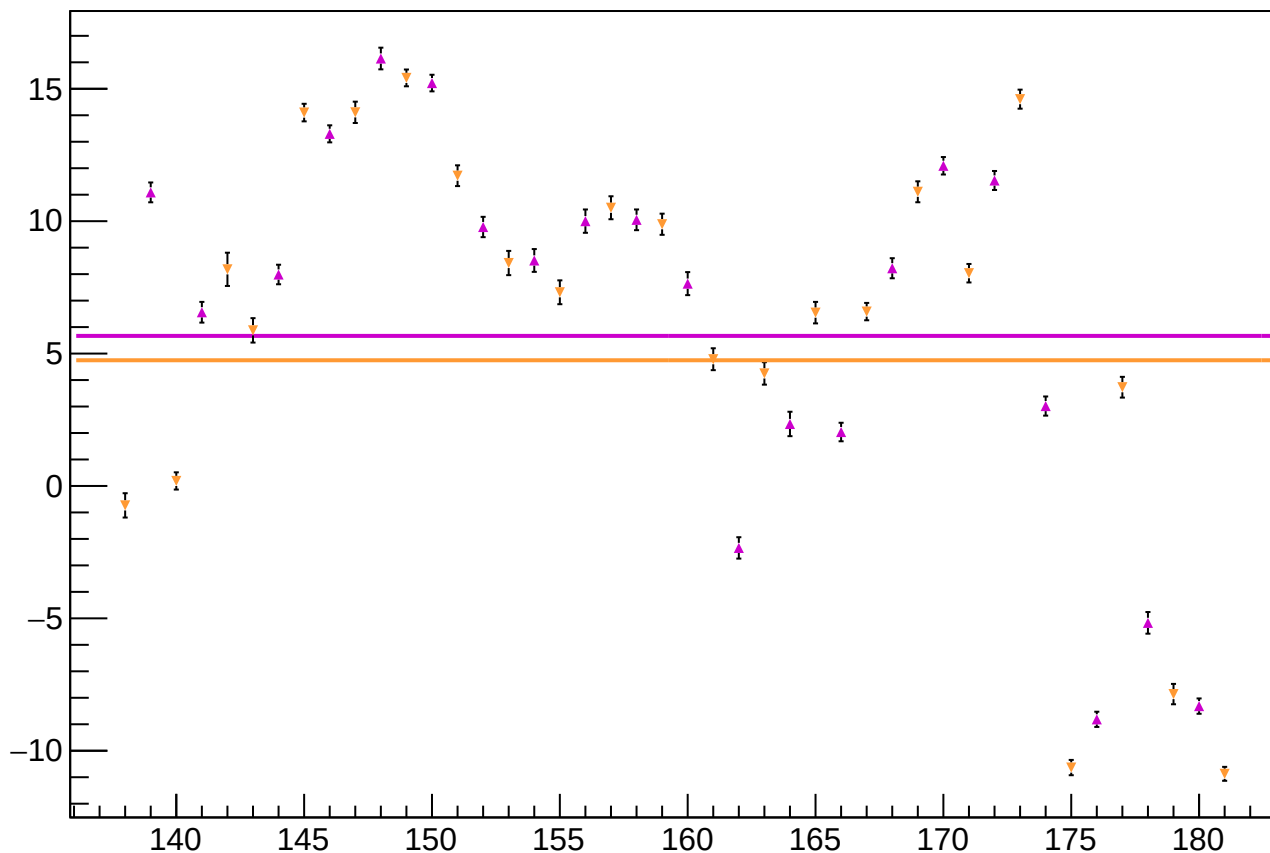
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.606 $\pm$ 0.060 χ^2 /NDF:7322.6/22
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 3.685 $\pm$ 0.062 χ^2 /NDF:5457.0/20

Left: 3.644 $\pm$ 0.043 χ^2 /NDF: 12780.5/43
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 3.685 $\pm$ 0.062 χ^2 /NDF:5457.0/20
 Out: 3.606 $\pm$ 0.060 χ^2 /NDF:7322.6/22
 All: 3.644 $\pm$ 0.043 χ^2 /NDF: 12780.5/43

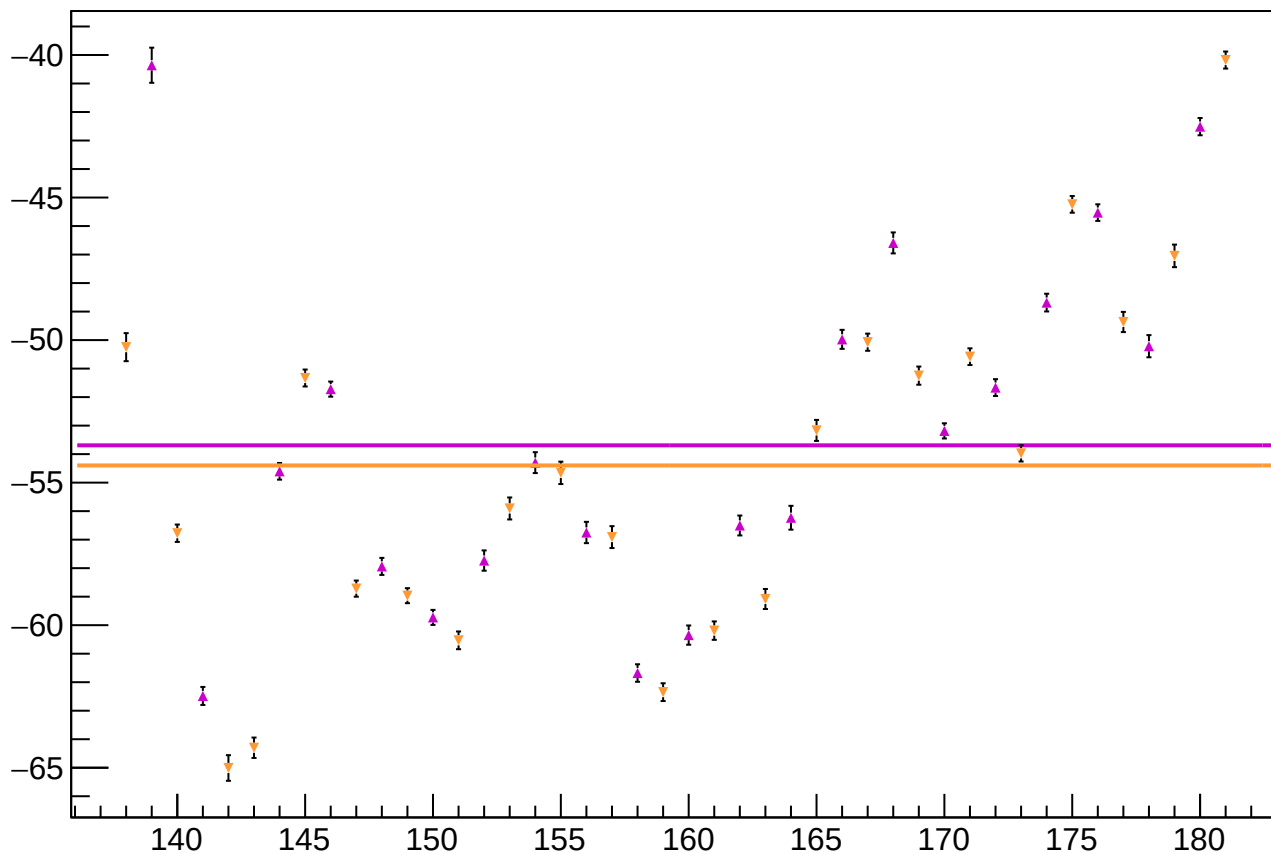
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 4.747 $\pm$ 0.078 χ^2/NDF :12187.0/22
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 5.668 $\pm$ 0.080 χ^2/NDF :9675.8/20

Left: 5.198 $\pm$ 0.056 χ^2/NDF : 21930.6/43
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 5.668 $\pm$ 0.080 χ^2/NDF :9675.8/20
 Out: 4.747 $\pm$ 0.078 χ^2/NDF :12187.0/22
 All: 5.198 $\pm$ 0.056 χ^2/NDF : 21930.6/43

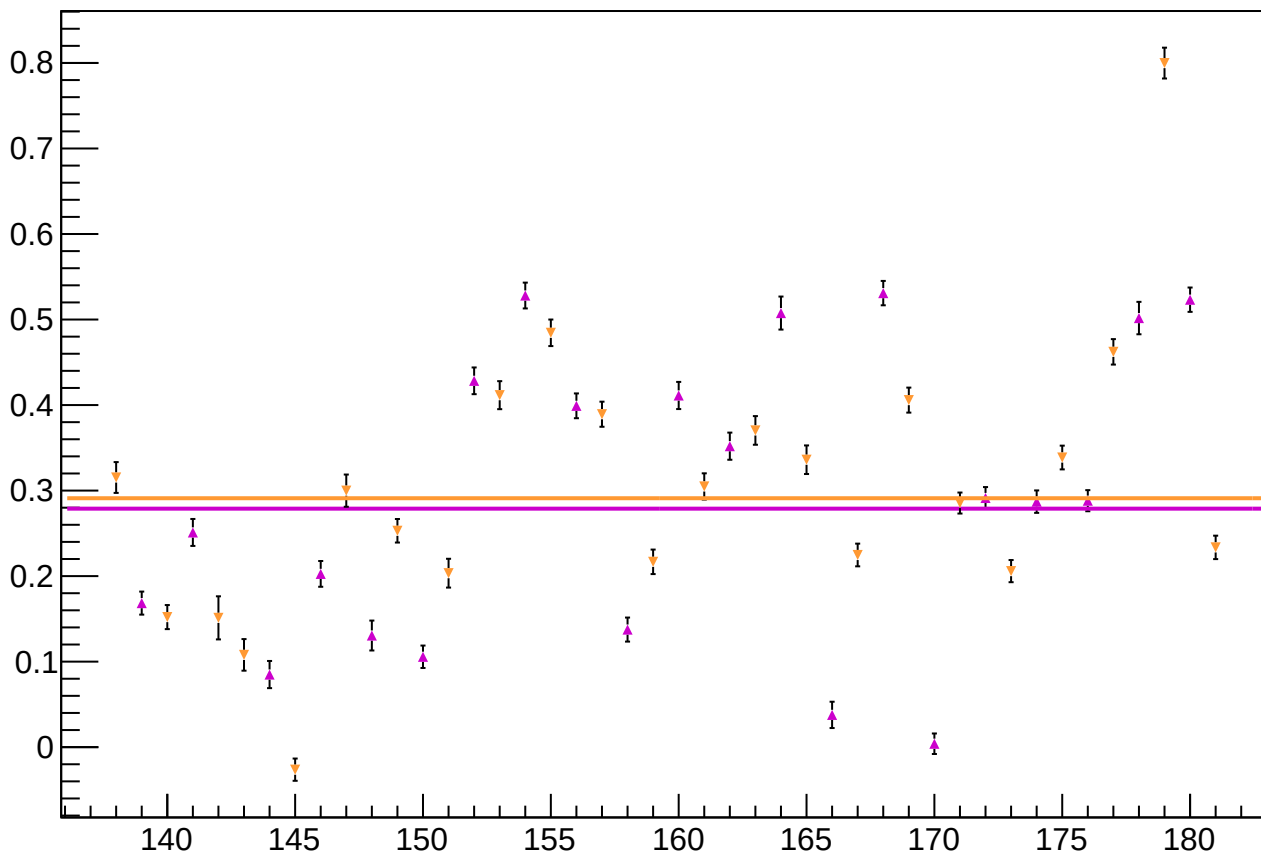
reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -54.397+/-0.068 χ^2/NDF : 7974.6/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -53.692+/-0.070 χ^2/NDF : 6434.6/20

Left: -54.054+/-0.049 χ^2/NDF : 14460.8/43
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -53.692+/-0.070 χ^2/NDF : 6434.6/20
 Out: -54.397+/-0.068 χ^2/NDF : 7974.6/22
 All: -54.054+/-0.049 χ^2/NDF : 14460.8/43

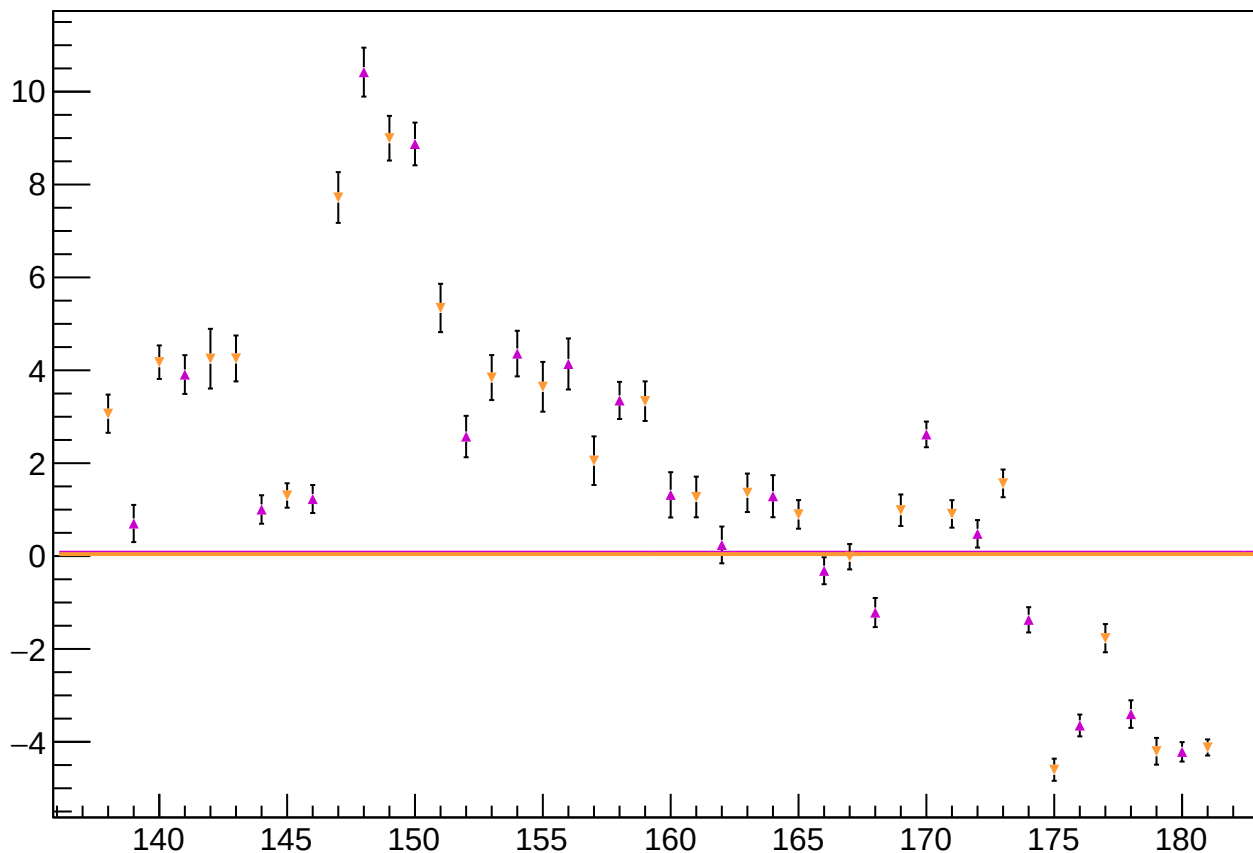
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.291 $\pm$ 0.003 χ^2 /NDF:2258.5/22
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.279 $\pm$ 0.003 χ^2 /NDF:2775.7/20

Left: 0.285 $\pm$ 0.002 χ^2 /NDF: 5041.6/43
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.279 $\pm$ 0.003 χ^2 /NDF:2775.7/20
 Out: 0.291 $\pm$ 0.003 χ^2 /NDF:2258.5/22
 All: 0.285 $\pm$ 0.002 χ^2 /NDF: 5041.6/43

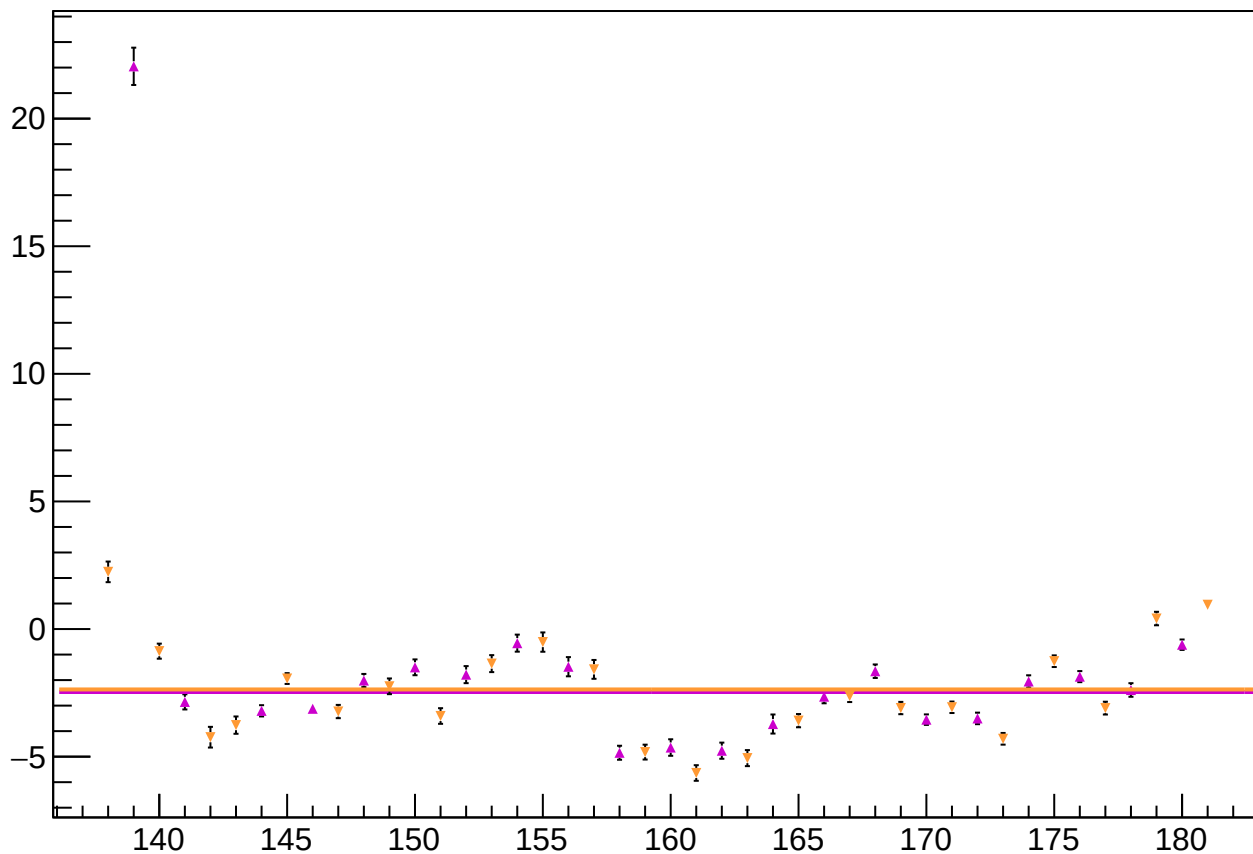
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.042+/-0.070 χ^2/NDF :2431.3/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.072+/-0.073 χ^2/NDF :2048.2/20

Left: 0.056+/-0.051 χ^2/NDF : 4479.7/43
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 0.072+/-0.073 χ^2/NDF :2048.2/20
 Out: 0.042+/-0.070 χ^2/NDF :2431.3/22
 All: 0.056+/-0.051 χ^2/NDF : 4479.7/43

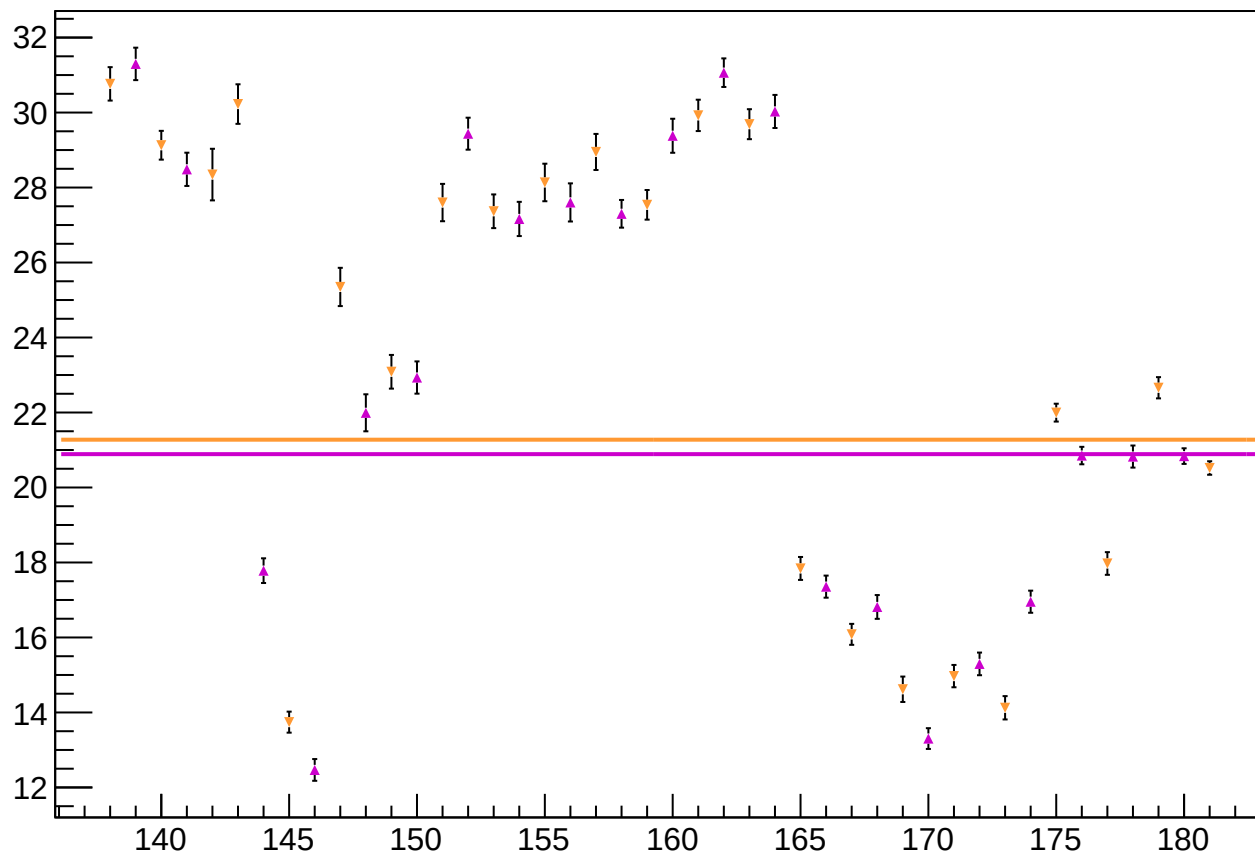
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.367+/-0.057 χ^2/NDF :1075.7/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.466+/-0.058 χ^2/NDF :1542.3/20

Left: -2.415+/-0.040 χ^2/NDF : 2619.5/43
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -2.466+/-0.058 χ^2/NDF :1542.3/20
 Out: -2.367+/-0.057 χ^2/NDF :1075.7/22
 All: -2.415+/-0.040 χ^2/NDF : 2619.5/43

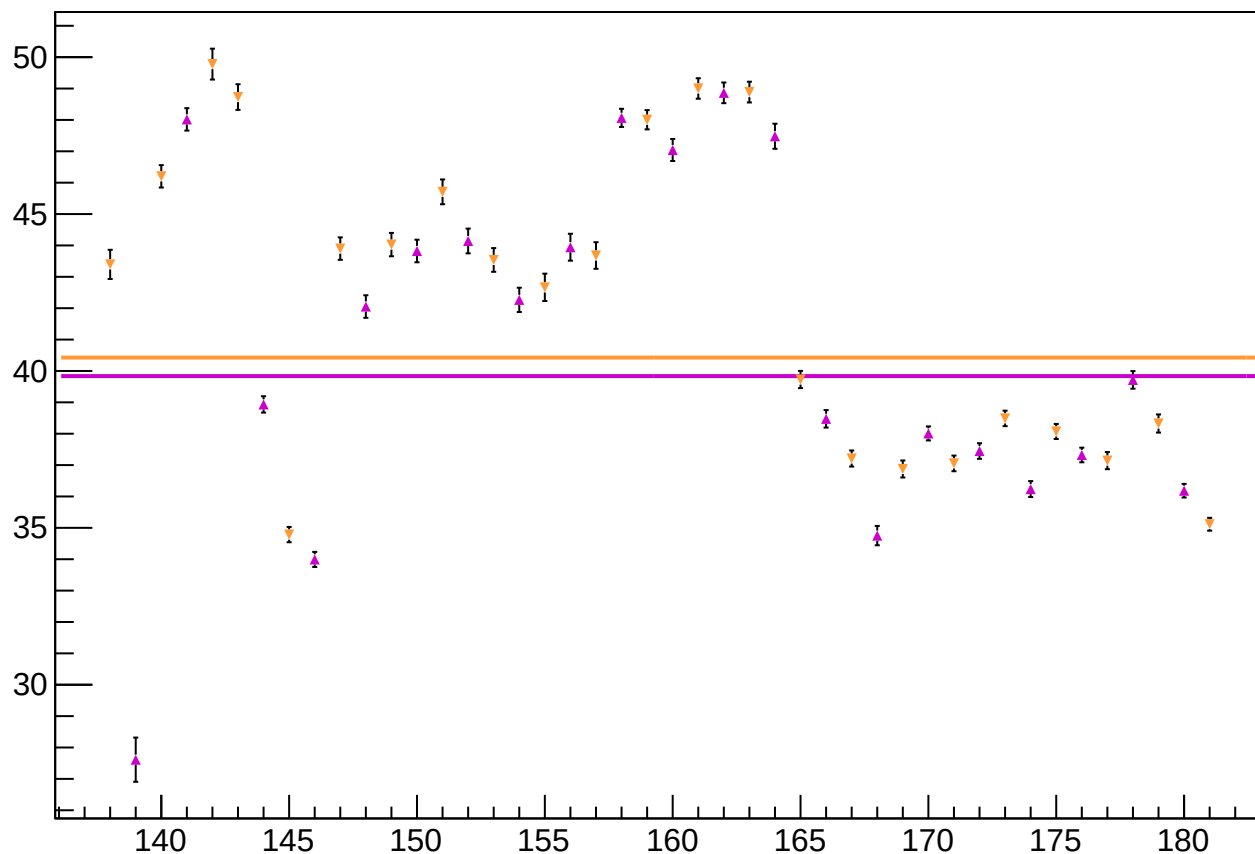
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 21.275+/-0.071 χ^2/NDF : 5979.0/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 20.890+/-0.073 χ^2/NDF : 5969.6/20

Left: 21.088+/-0.051 χ^2/NDF : 11963.1/43
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 20.890+/-0.073 χ^2/NDF : 5969.6/20
 Out: 21.275+/-0.071 χ^2/NDF : 5979.0/22
 All: 21.088+/-0.051 χ^2/NDF : 11963.1/43

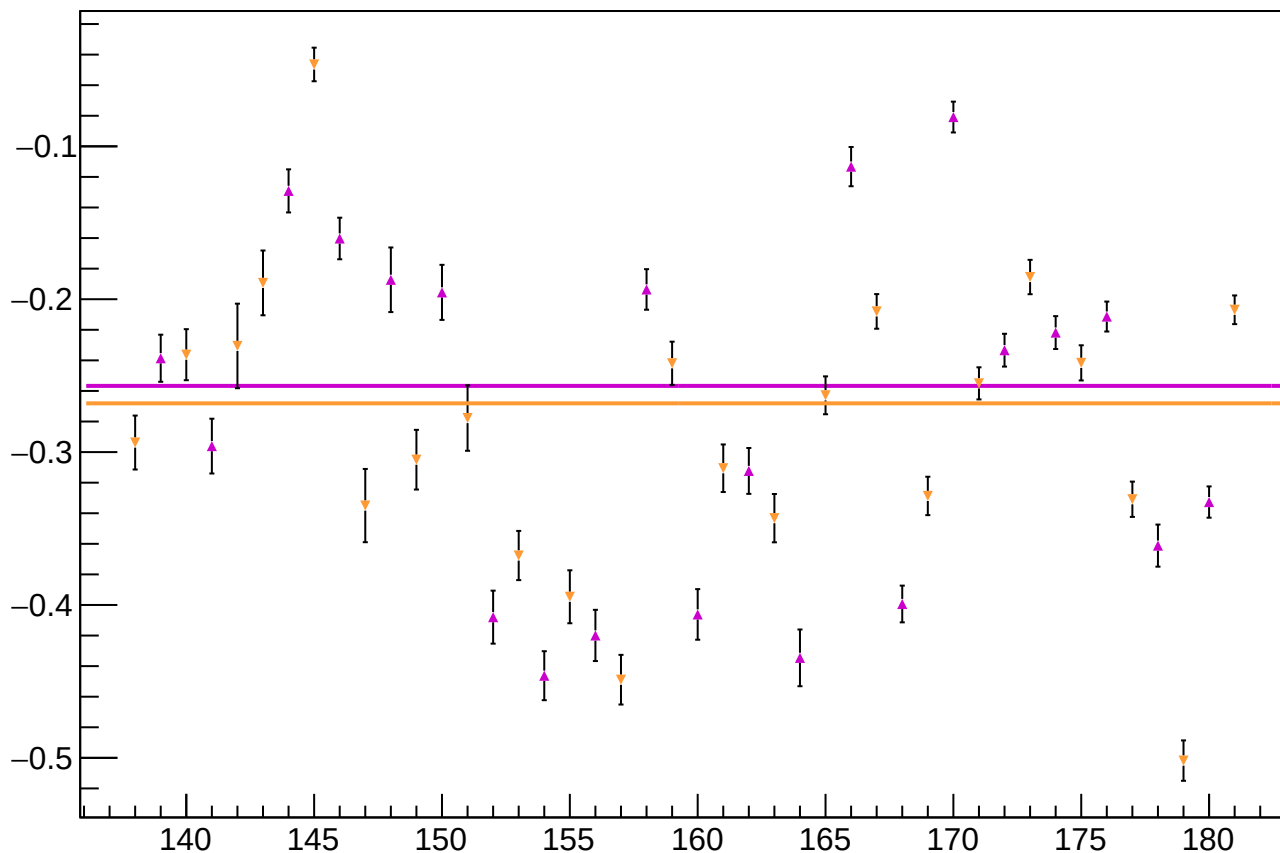
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 40.427 $\pm$ 0.063 χ^2 /NDF:5636.7/22
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 39.836 $\pm$ 0.065 χ^2 /NDF:5239.2/20

Left: 40.138 $\pm$ 0.045 χ^2 /NDF: 10918.4/43
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 39.836 $\pm$ 0.065 χ^2 /NDF:5239.2/20
 Out: 40.427 $\pm$ 0.063 χ^2 /NDF:5636.7/22
 All: 40.138 $\pm$ 0.045 χ^2 /NDF: 10918.4/43

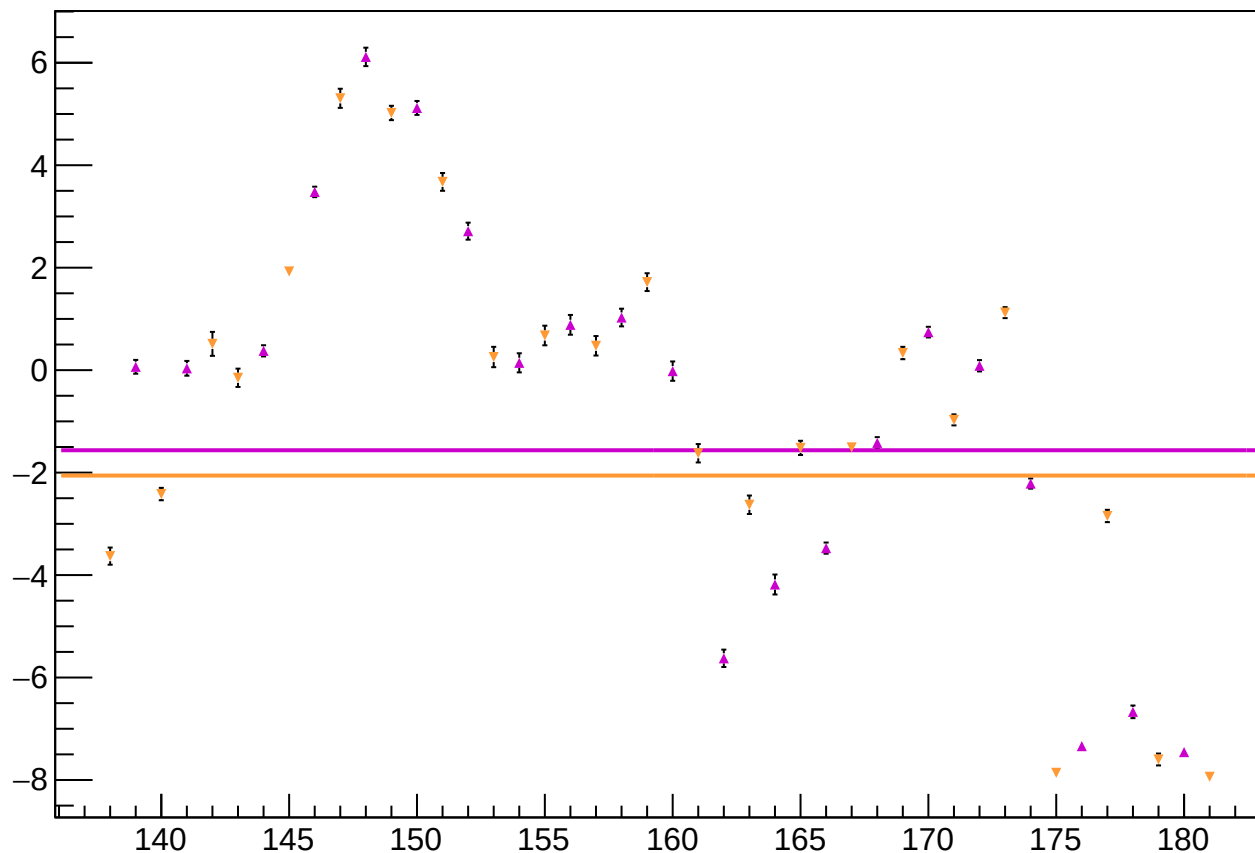
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.268 $\pm$ 0.003 χ^2 /NDF:1186.5/22
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.257 $\pm$ 0.003 χ^2 /NDF:1401.5/20

Left: -0.262 $\pm$ 0.002 χ^2 /NDF: 2595.7/43
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.257 $\pm$ 0.003 χ^2 /NDF:1401.5/20
 Out: -0.268 $\pm$ 0.003 χ^2 /NDF:1186.5/22
 All: -0.262 $\pm$ 0.002 χ^2 /NDF: 2595.7/43

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected

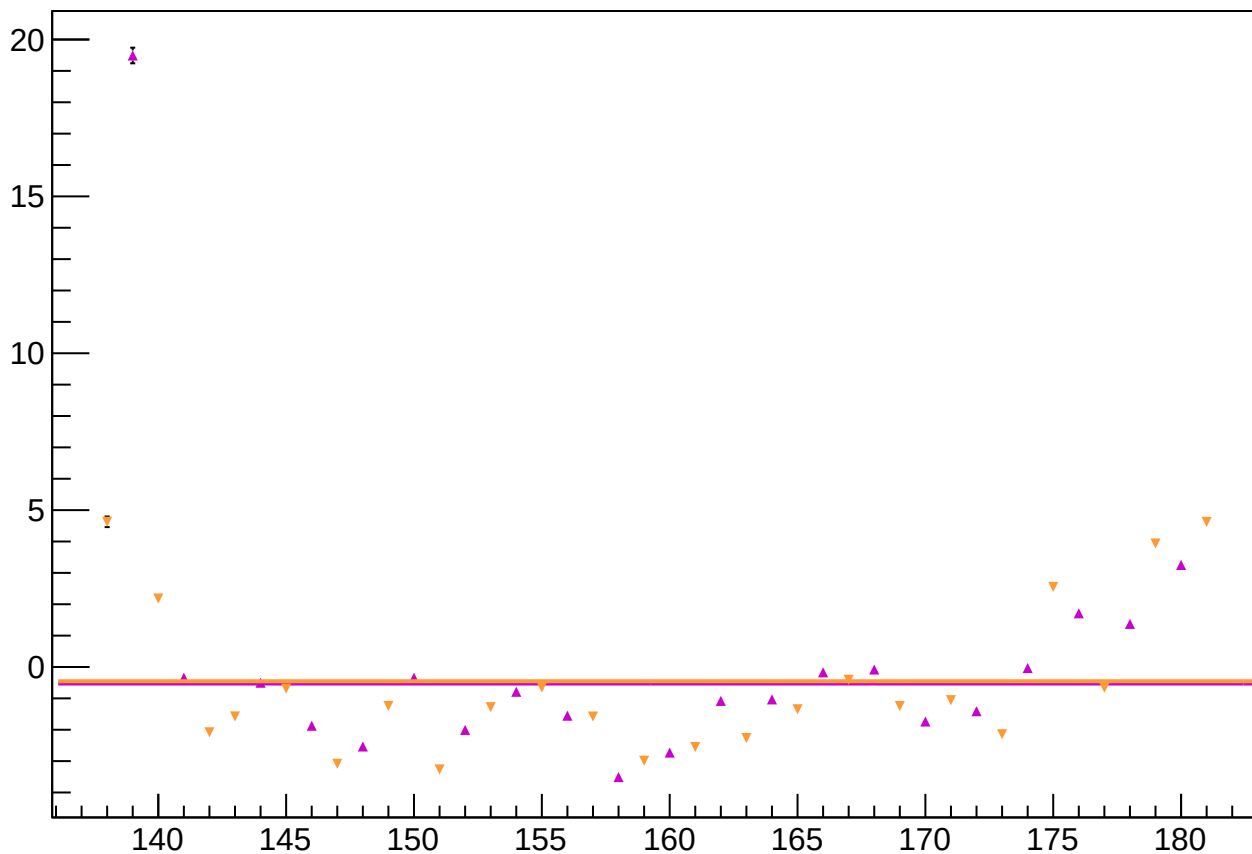


Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -2.057 $\pm$ 0.027 χ^2 /NDF:22105.2/22
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -1.564 $\pm$ 0.027 χ^2 /NDF:20142.0/20

Left: -1.816 $\pm$ 0.019 χ^2 /NDF: 42412.5/43
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -1.564 $\pm$ 0.027 χ^2 /NDF:20142.0/20
 Out: -2.057 $\pm$ 0.027 χ^2 /NDF:22105.2/22

All: -1.816 $\pm$ 0.019 χ^2 /NDF: 42412.5/43

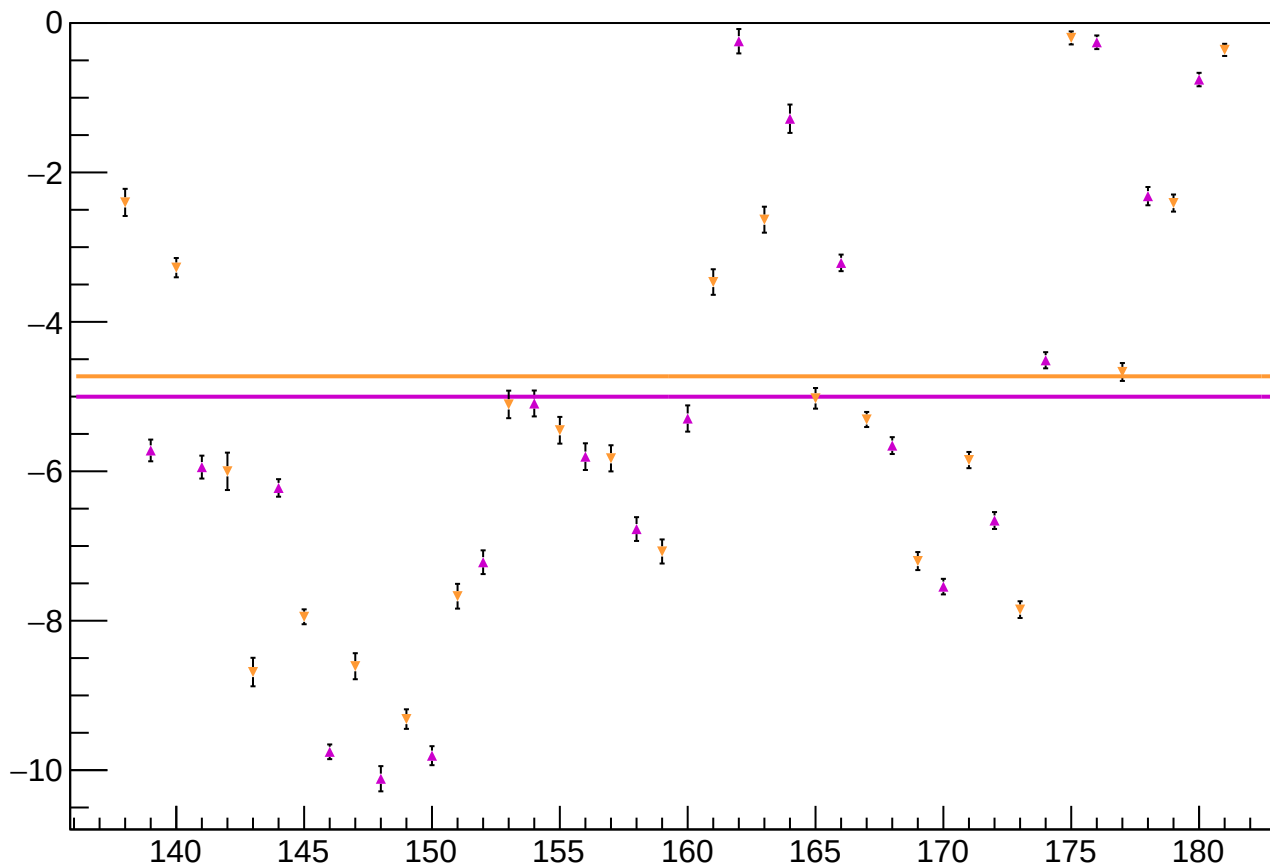
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.454+/-0.021 χ^2/NDF :11547.5/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.527+/-0.022 χ^2/NDF :11751.3/20

Left: -0.490+/-0.015 χ^2/NDF : 23304.6/43
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.527+/-0.022 χ^2/NDF :11751.3/20
 Out: -0.454+/-0.021 χ^2/NDF :11547.5/22
 All: -0.490+/-0.015 χ^2/NDF : 23304.6/43

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



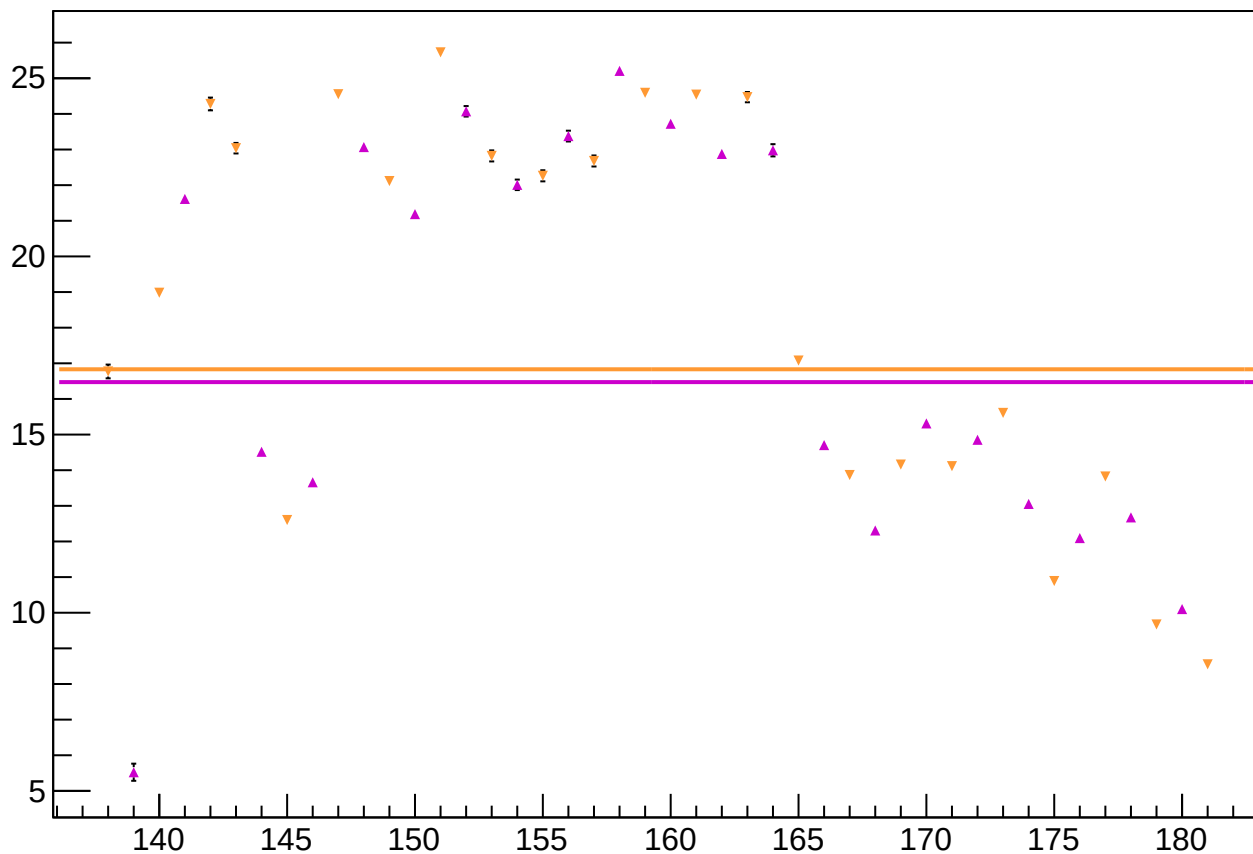
Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -4.729 $\pm$ 0.027 χ^2 /NDF:11617.2/22
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -5.002 $\pm$ 0.027 χ^2 /NDF:12948.0/20

Left: -4.863 $\pm$ 0.019 χ^2 /NDF: 24615.5/43
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -5.002 $\pm$ 0.027 χ^2 /NDF:12948.0/20
 Out: -4.729 $\pm$ 0.027 χ^2 /NDF:11617.2/22

All: -4.863 $\pm$ 0.019 χ^2 /NDF: 24615.5/43

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: 16.832+/-0.024 χ^2/NDF :51019.8/22

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

Left In: 16.472+/-0.024 χ^2/NDF :38980.3/20

Left: 16.655+/-0.017 χ^2/NDF : 90110.9/43

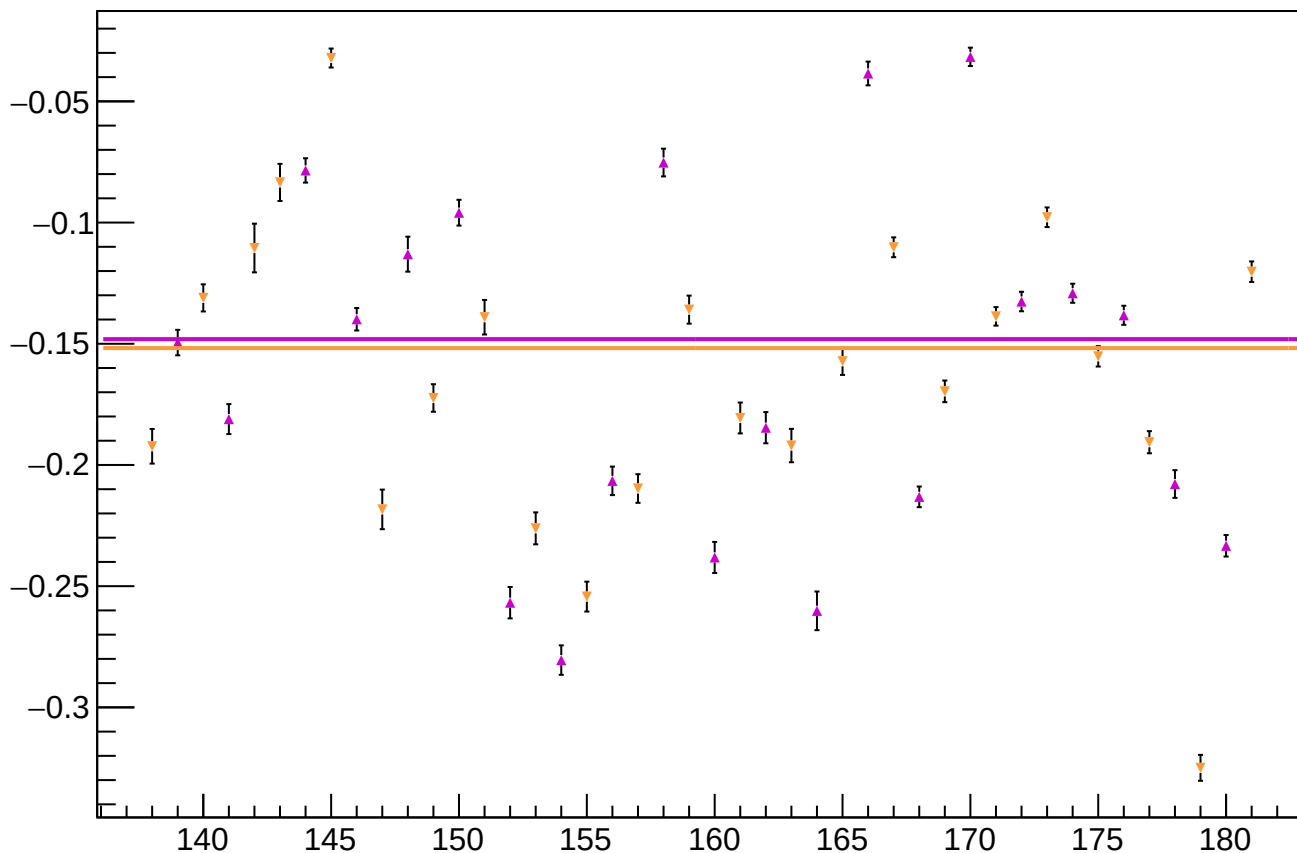
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 16.472+/-0.024 χ^2/NDF :38980.3/20

Out: 16.832+/-0.024 χ^2/NDF :51019.8/22

All: 16.655+/-0.017 χ^2/NDF : 90110.9/43

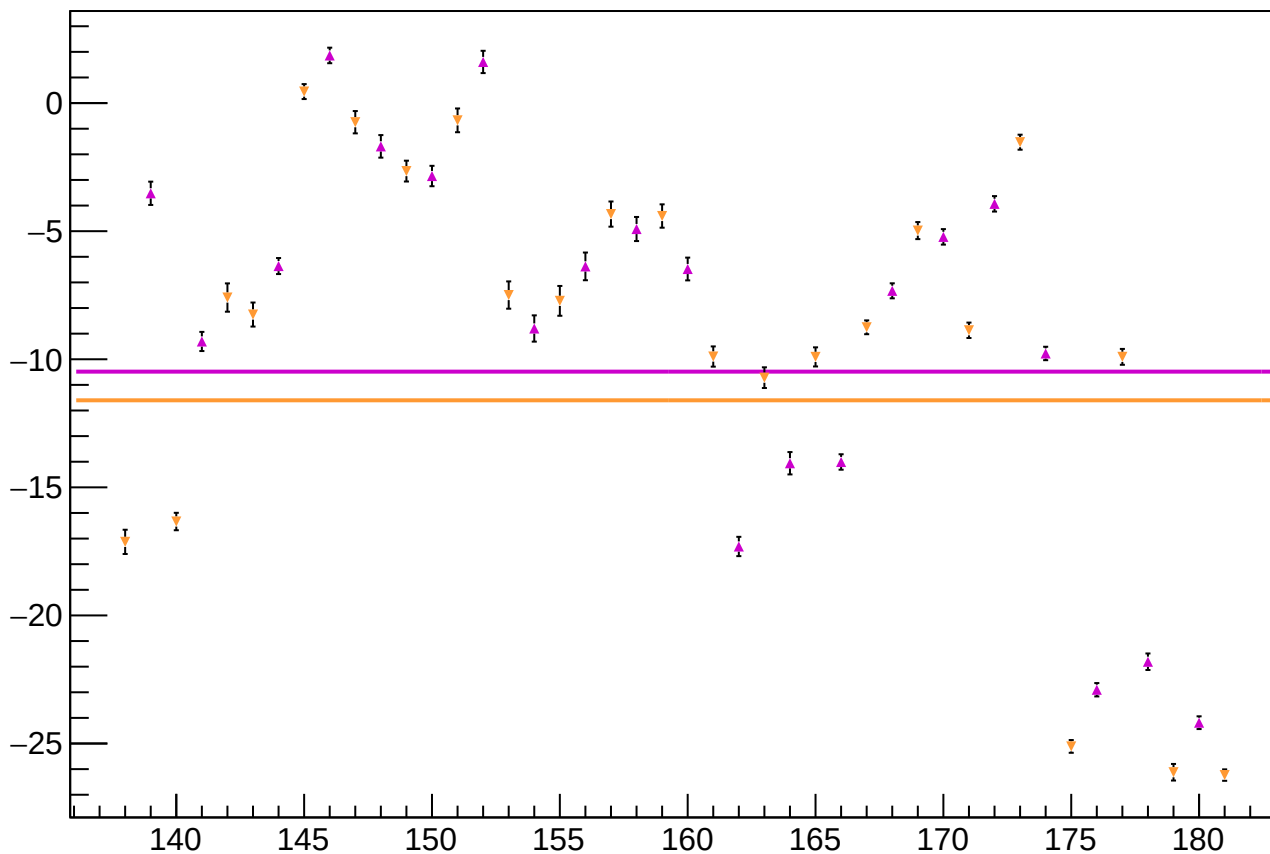
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.152+/-0.001 χ^2/NDF : 3212.9/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.148+/-0.001 χ^2/NDF : 3986.6/20

Left: -0.150+/-0.001 χ^2/NDF : 7205.1/43
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.148+/-0.001 χ^2/NDF : 3986.6/20
 Out: -0.152+/-0.001 χ^2/NDF : 3212.9/22
 All: -0.150+/-0.001 χ^2/NDF : 7205.1/43

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: -11.602+/-0.073 χ^2/NDF :15464.2/22

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

Left In: -10.483+/-0.075 χ^2/NDF :11856.8/20

Left: -11.053+/-0.052 χ^2/NDF : 27434.9/43

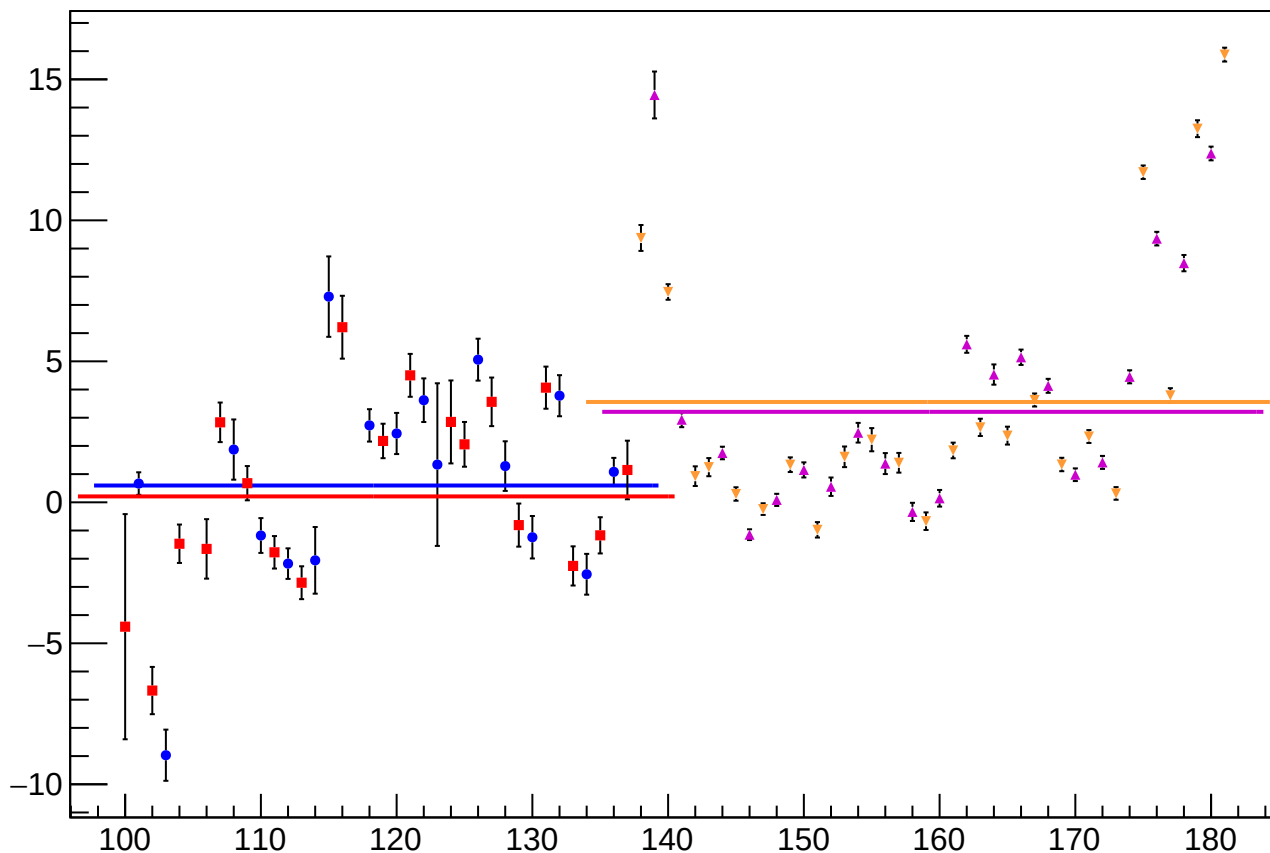
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -10.483+/-0.075 χ^2/NDF :11856.8/20

Out: -11.602+/-0.073 χ^2/NDF :15464.2/22

All: -11.053+/-0.052 χ^2/NDF : 27434.9/43

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.596 ± 0.169 χ^2/NDF : 291.2/16

Left Out: 3.559 ± 0.057 χ^2/NDF : 6698.2/22

Right Out: 0.209 ± 0.175 χ^2/NDF : 273.5/18

Left In: 3.208 ± 0.058 χ^2/NDF : 4062.9/20

Left: 3.386 ± 0.041 χ^2/NDF : 10779.5/43

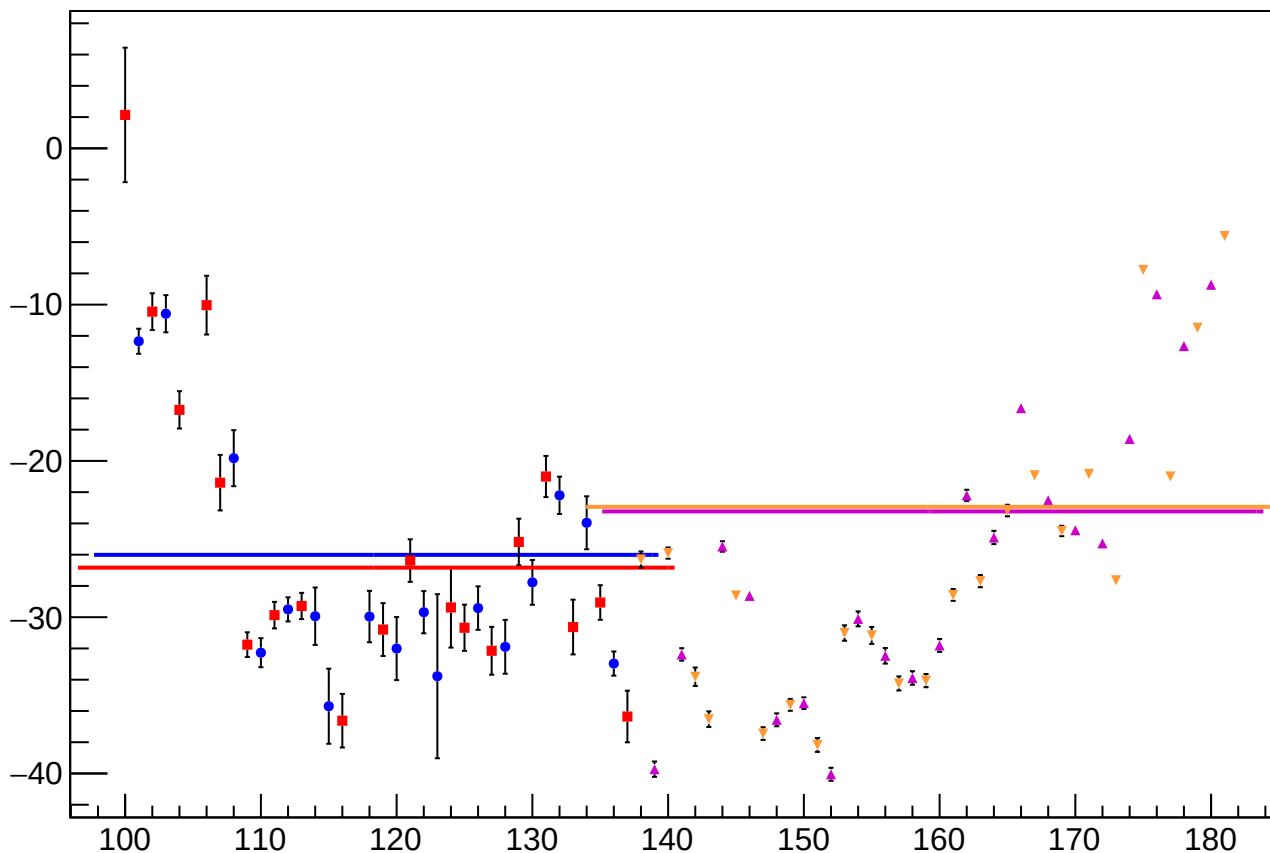
Right: 0.409 ± 0.121 χ^2/NDF : 567.2/35

In: 2.932 ± 0.055 χ^2/NDF : 4567.8/37

Out: 3.235 ± 0.054 χ^2/NDF : 7303.9/41

All: 3.085 ± 0.039 χ^2/NDF : 11887.0/79

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: -22.939 ± 0.074 χ^2/NDF : 18225.7/22

Right Out: -26.829 ± 0.297 χ^2/NDF : 581.6/18

Left In: -23.234 ± 0.075 χ^2/NDF : 15614.2/20

Left: -23.085 ± 0.052 χ^2/NDF : 33847.7/43

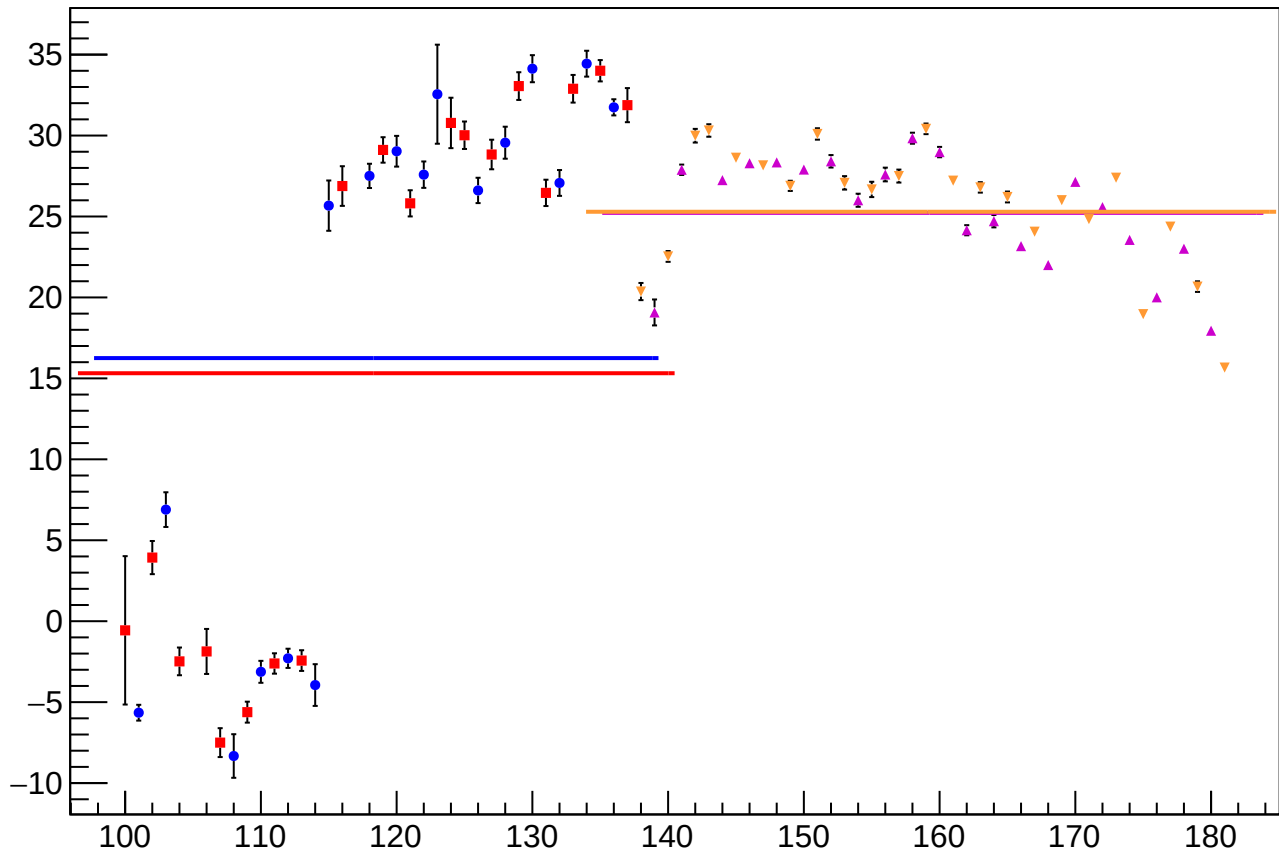
Right: -26.423 ± 0.211 χ^2/NDF : 1278.3/35

In: -23.396 ± 0.072 χ^2/NDF : 16388.1/37

Out: -23.164 ± 0.071 χ^2/NDF : 18968.4/41

All: -23.279 ± 0.051 χ^2/NDF : 35361.6/79

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: 25.292 $\pm$ 0.065 χ^2 /NDF:3566.9/22

Right Out: 15.318 $\pm$ 0.197 χ^2 /NDF: 7280.1/18

Left In: 25.223 $\pm$ 0.066 χ^2 /NDF:2500.9/20

Left: 25.258 $\pm$ 0.046 χ^2 /NDF: 6068.4/43

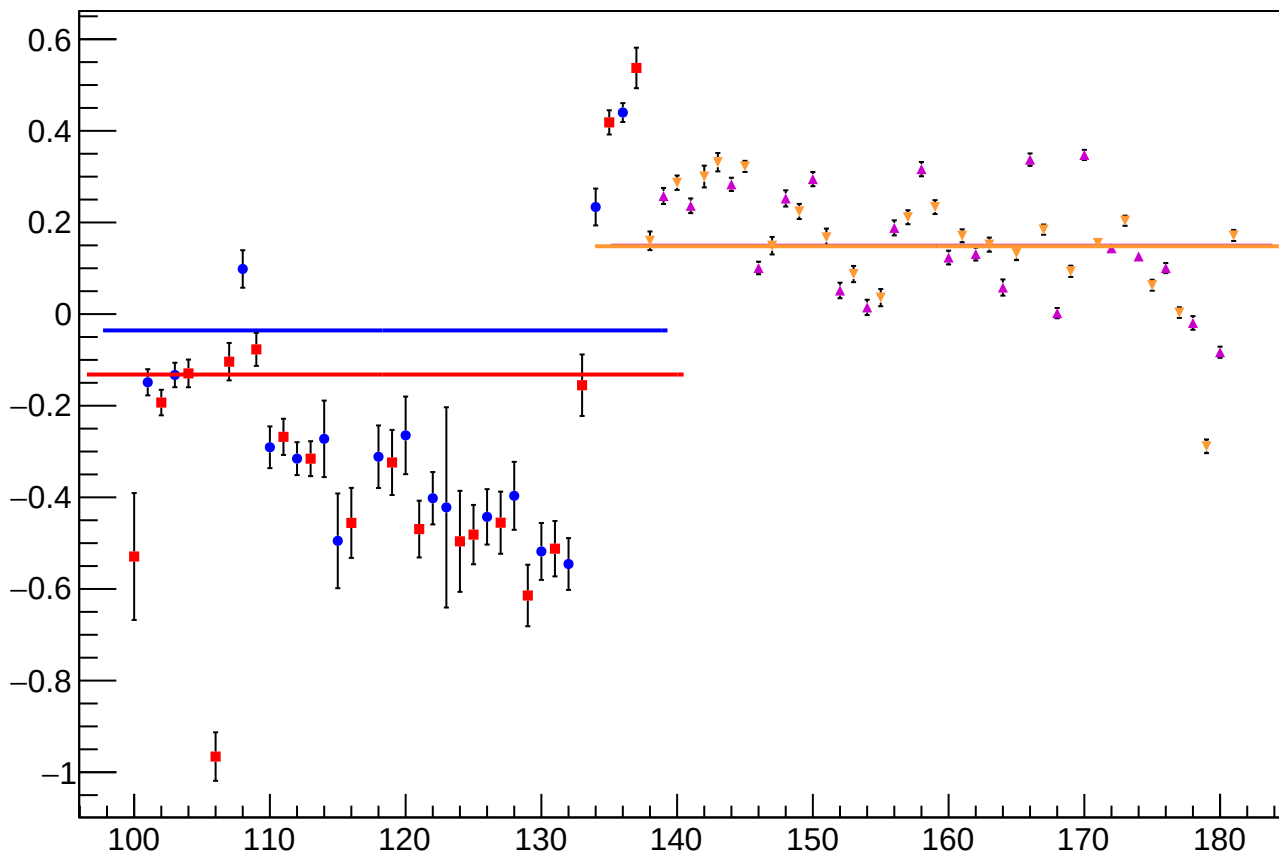
Right: 15.800 $\pm$ 0.137 χ^2 /NDF: 14903.0/35

In: 24.274 $\pm$ 0.062 χ^2 /NDF:12083.7/37

Out: 24.321 $\pm$ 0.061 χ^2 /NDF:13161.2/41

All: 24.298 $\pm$ 0.044 χ^2 /NDF: 25245.2/79

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: 0.148 ± 0.003 χ^2/NDF : 1653.9/22

Right Out: -0.132 ± 0.010 χ^2/NDF : 1171.3/18

Left In: 0.149 ± 0.003 χ^2/NDF : 1740.4/20

Left: 0.149 ± 0.002 χ^2/NDF : 3394.3/43

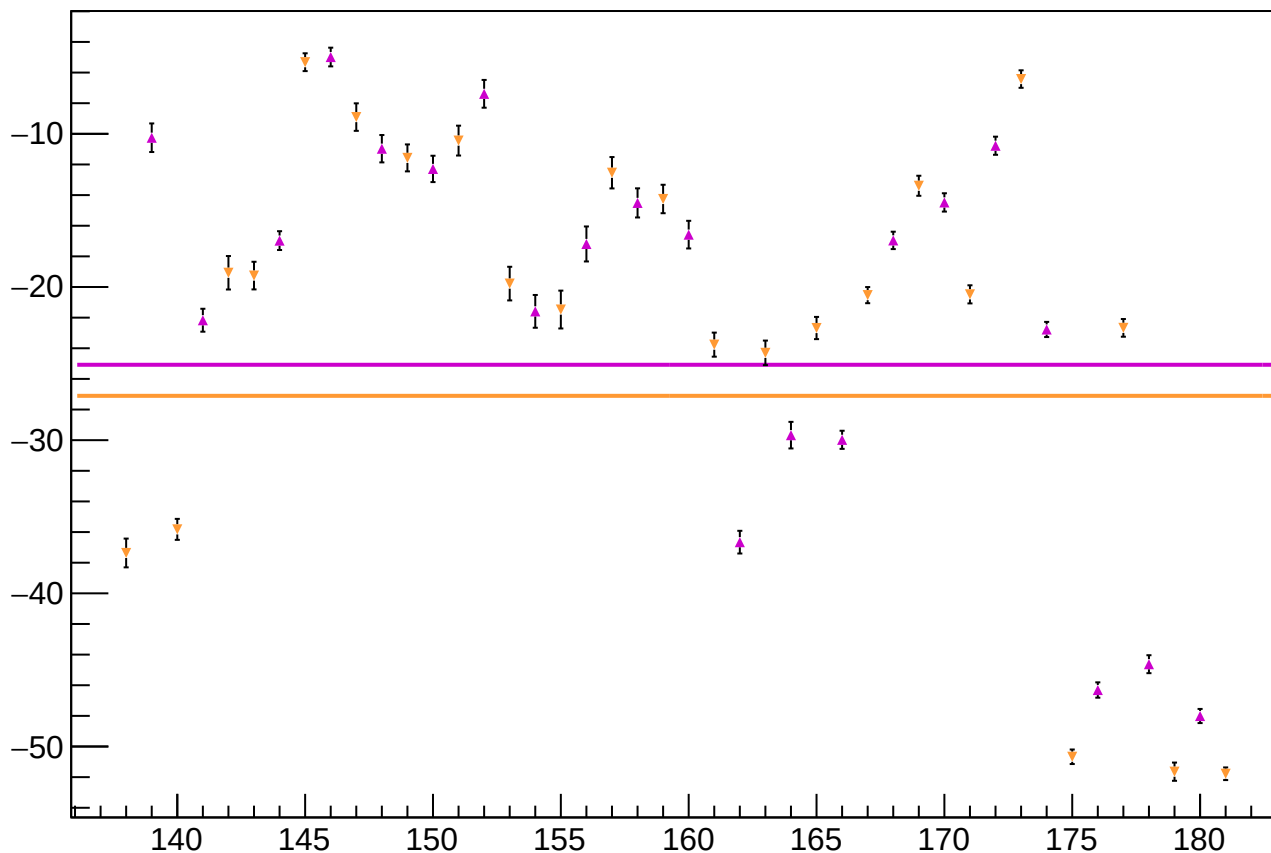
Right: -0.084 ± 0.007 χ^2/NDF : 2229.1/35

In: 0.135 ± 0.003 χ^2/NDF : 3051.1/37

Out: 0.127 ± 0.003 χ^2/NDF : 3499.9/41

All: 0.131 ± 0.002 χ^2/NDF : 6554.9/79

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: -27.105+/-0.144 χ^2/NDF :13183.5/22

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

Left In: -25.077+/-0.147 χ^2/NDF :9489.9/20

Left: -26.113+/-0.103 χ^2/NDF : 22771.0/43

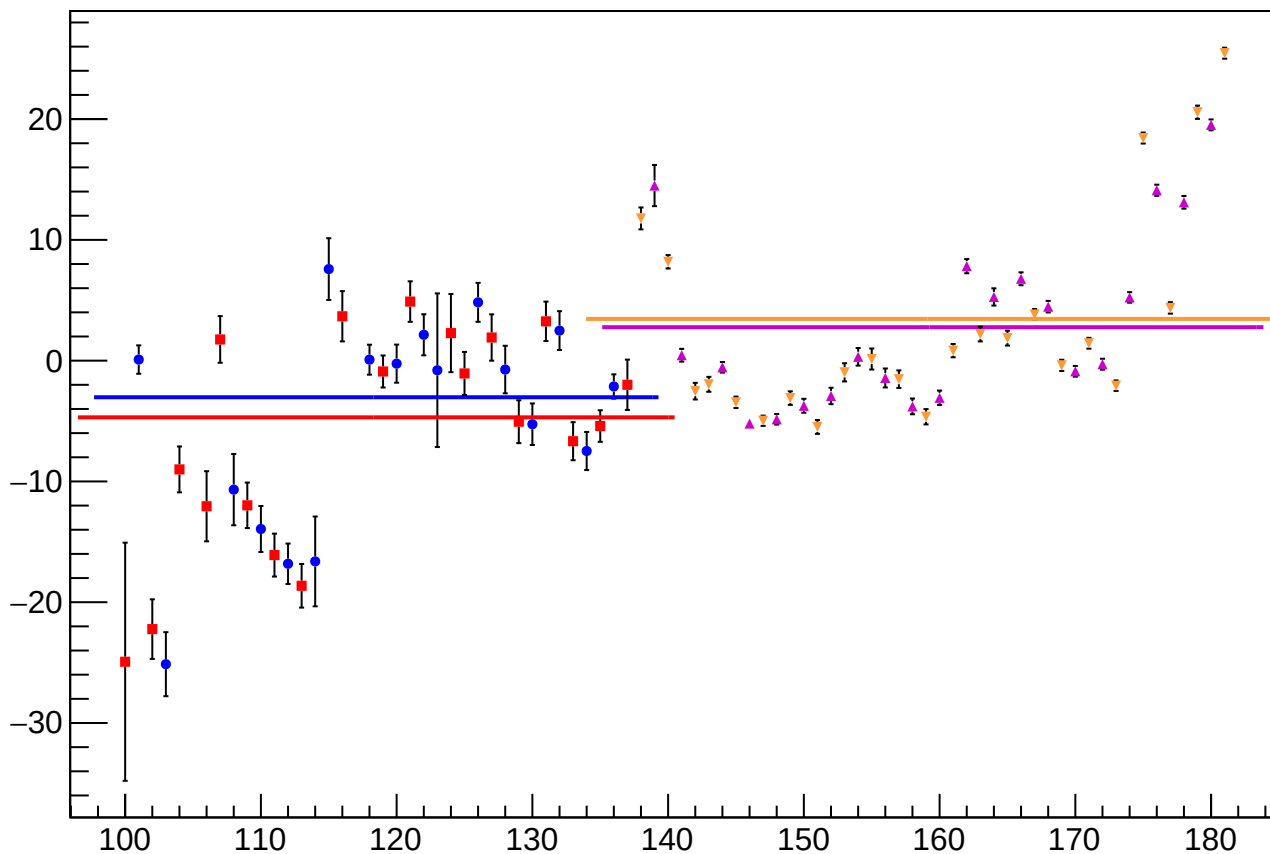
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -25.077+/-0.147 χ^2/NDF :9489.9/20

Out: -27.105+/-0.144 χ^2/NDF :13183.5/22

All: -26.113+/-0.103 χ^2/NDF : 22771.0/43

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: 3.456 ± 0.113 χ^2/NDF : 6225.5/22

Right Out: -4.694 ± 0.427 χ^2/NDF : 298.3/18

Left In: 2.771 ± 0.114 χ^2/NDF : 3975.7/20

Left: 3.118 ± 0.080 χ^2/NDF : 10219.4/43

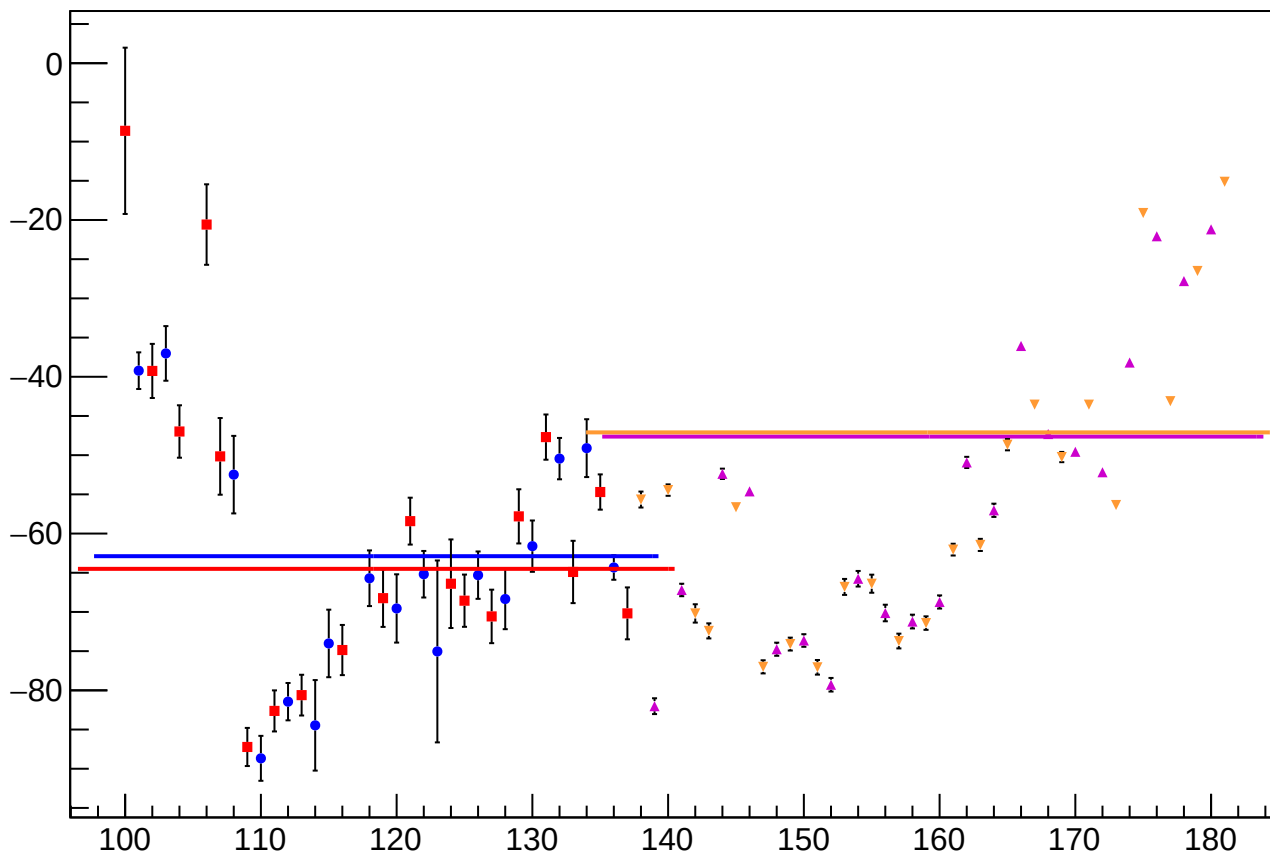
Right: -3.824 ± 0.295 χ^2/NDF : 587.0/35

In: 2.346 ± 0.110 χ^2/NDF : 4444.2/37

Out: 2.923 ± 0.109 χ^2/NDF : 6864.8/41

All: 2.637 ± 0.078 χ^2/NDF : 11322.9/79

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: -47.094 ± 0.144 χ^2/NDF : 18508.0/22

Right Out: -64.502 ± 0.751 χ^2/NDF : 444.1/18

Left In: -47.628 ± 0.147 χ^2/NDF : 15544.6/20

Left: -47.357 ± 0.103 χ^2/NDF : 34059.4/43

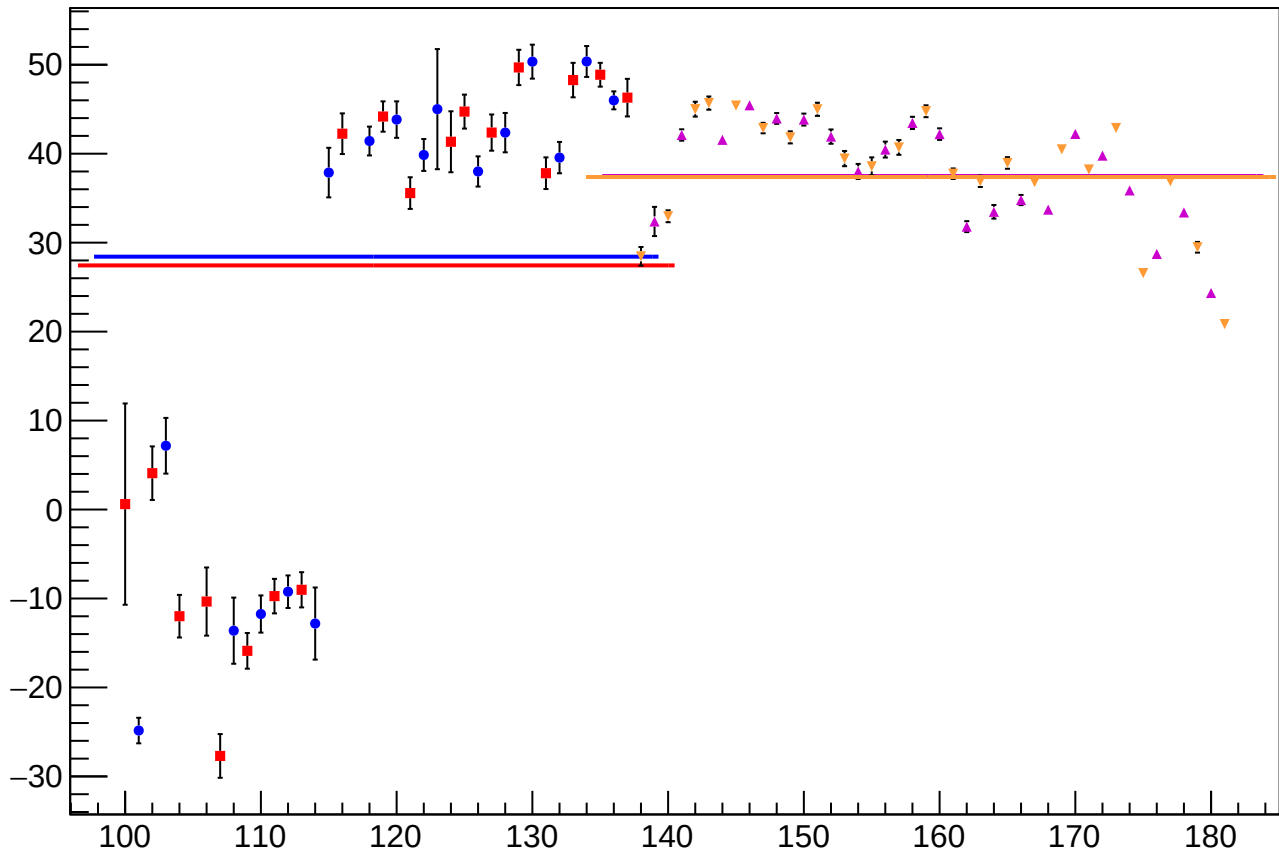
Right: -63.680 ± 0.526 χ^2/NDF : 815.2/35

In: -48.207 ± 0.144 χ^2/NDF : 16324.7/37

Out: -47.712 ± 0.142 χ^2/NDF : 19470.0/41

All: -47.956 ± 0.101 χ^2/NDF : 35800.7/79

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.425 $\pm$ 0.457 χ^2 /NDF: 3330.3/16

Left Out: 37.380 $\pm$ 0.127 χ^2 /NDF:2941.1/22

Right Out: 27.441 $\pm$ 0.479 χ^2 /NDF: 3033.0/18

Left In: 37.491 $\pm$ 0.129 χ^2 /NDF:2199.3/20

Left: 37.435 $\pm$ 0.091 χ^2 /NDF: 5140.8/43

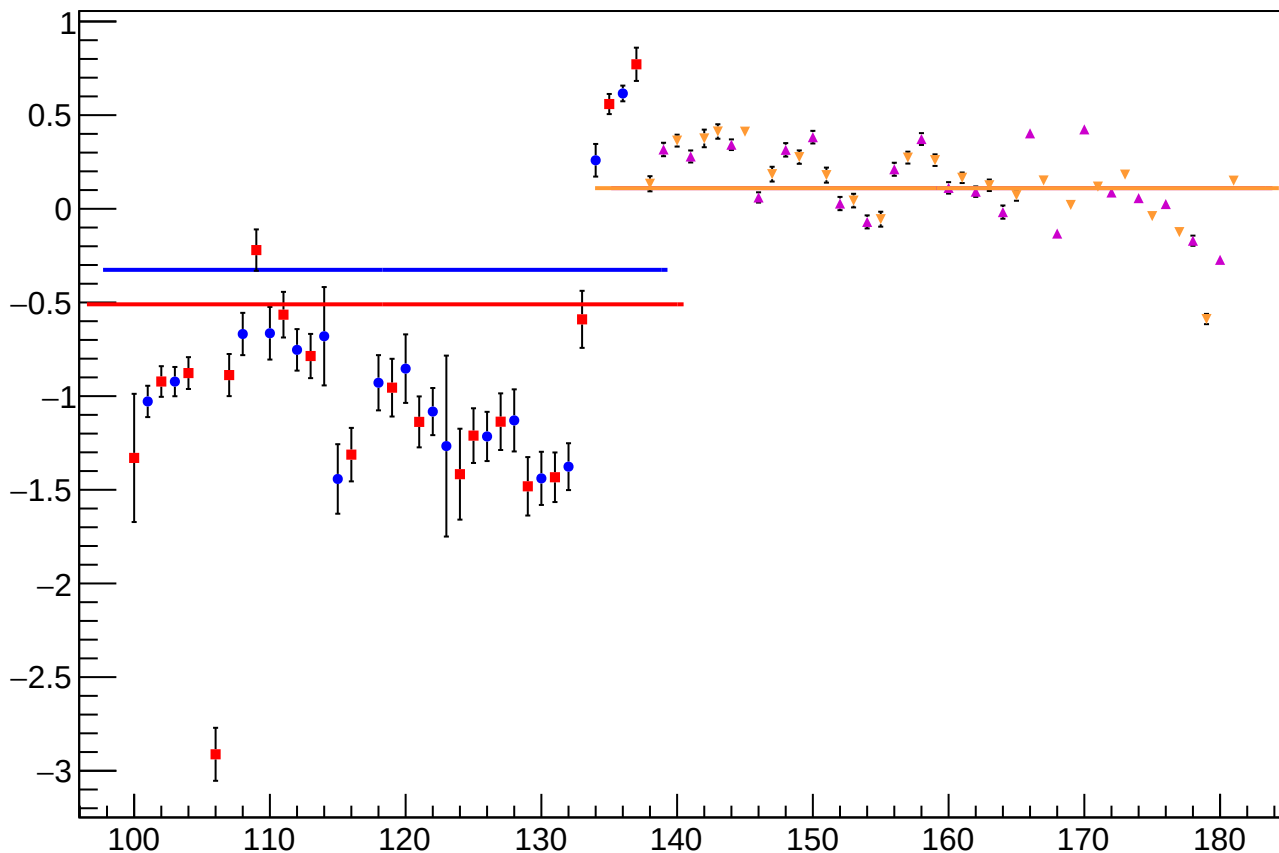
Right: 27.956 $\pm$ 0.331 χ^2 /NDF: 6365.5/35

In: 36.820 $\pm$ 0.124 χ^2 /NDF:5893.9/37

Out: 36.723 $\pm$ 0.123 χ^2 /NDF:6376.7/41

All: 36.771 $\pm$ 0.087 χ^2 /NDF: 12271.0/79

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.326 ± 0.025 χ^2/NDF : 1013.0/16

Left Out: 0.110 ± 0.006 χ^2/NDF : 1258.5/22

Right Out: -0.510 ± 0.026 χ^2/NDF : 1169.4/18

Left In: 0.110 ± 0.006 χ^2/NDF : 1221.2/20

Left: 0.110 ± 0.004 χ^2/NDF : 2479.7/43

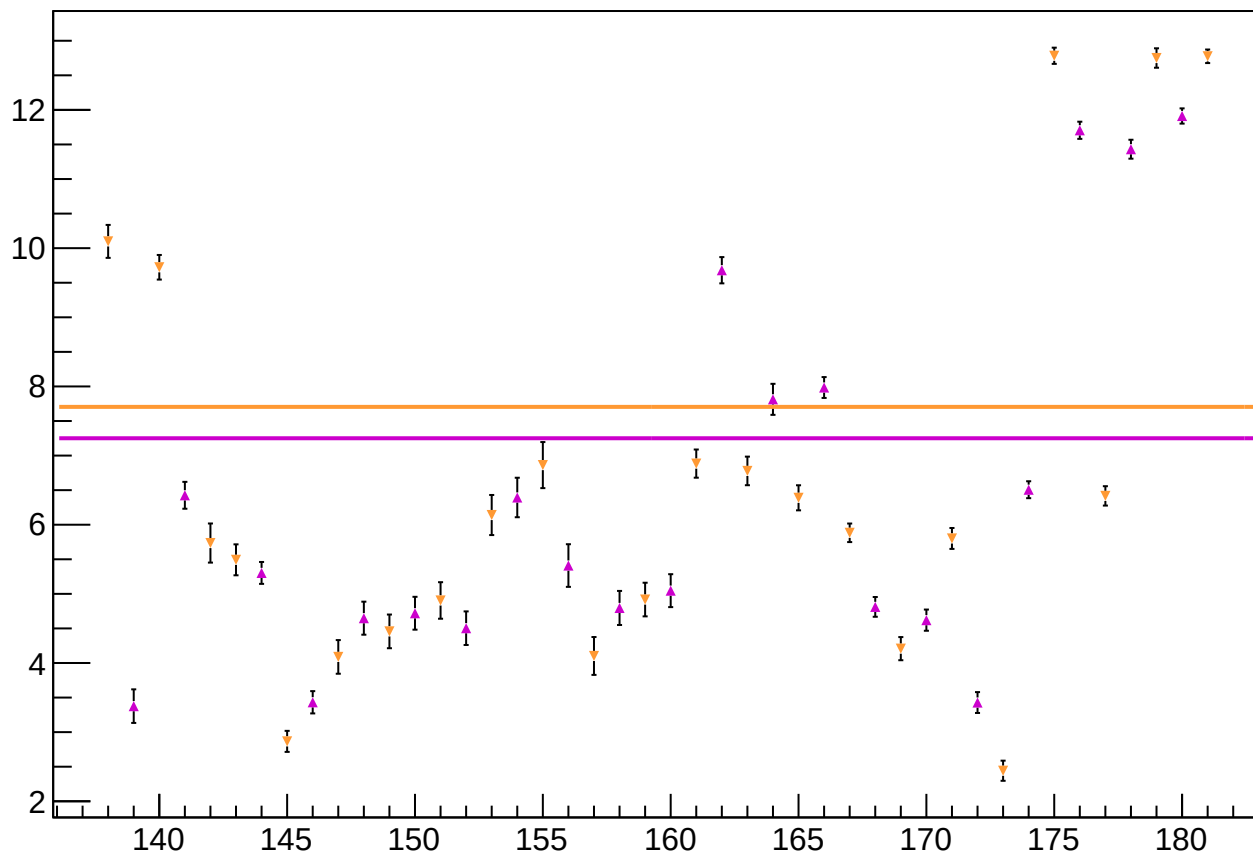
Right: -0.415 ± 0.018 χ^2/NDF : 2208.8/35

In: 0.087 ± 0.006 χ^2/NDF : 2524.6/37

Out: 0.079 ± 0.006 χ^2/NDF : 2981.3/41

All: 0.083 ± 0.004 χ^2/NDF : 5506.8/79

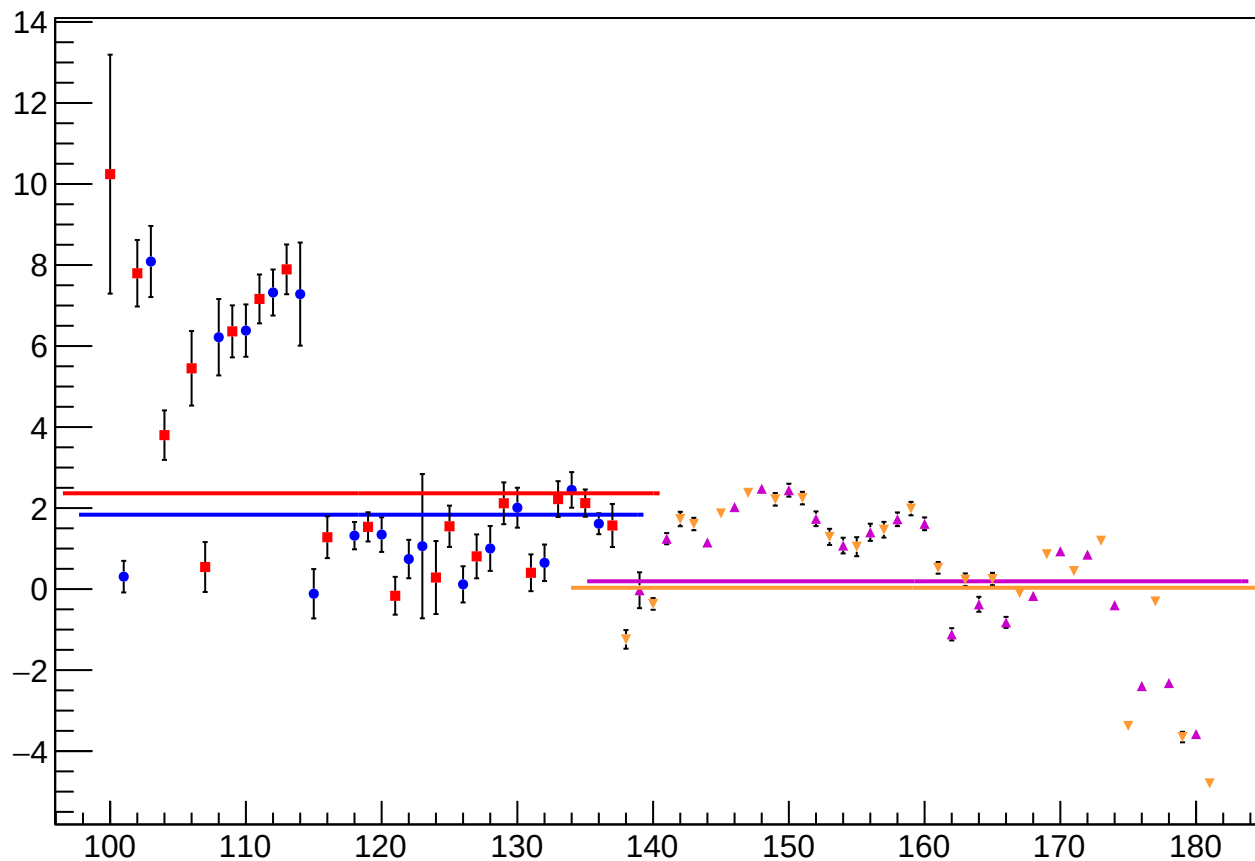
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 7.705+/-0.036 χ^2/NDF :10340.8/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 7.251+/-0.037 χ^2/NDF :7044.3/20

Left: 7.483+/-0.026 χ^2/NDF : 17461.8/43
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 7.251+/-0.037 χ^2/NDF :7044.3/20
 Out: 7.705+/-0.036 χ^2/NDF :10340.8/22
 All: 7.483+/-0.026 χ^2/NDF : 17461.8/43

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: 0.033 $\pm$ 0.029 χ^2 /NDF:5444.4/22

Right Out: 2.365 $\pm$ 0.123 χ^2 /NDF: 336.4/18

Left In: 0.193 $\pm$ 0.029 χ^2 /NDF:3763.3/20

Left: 0.111 $\pm$ 0.021 χ^2 /NDF: 9222.9/43

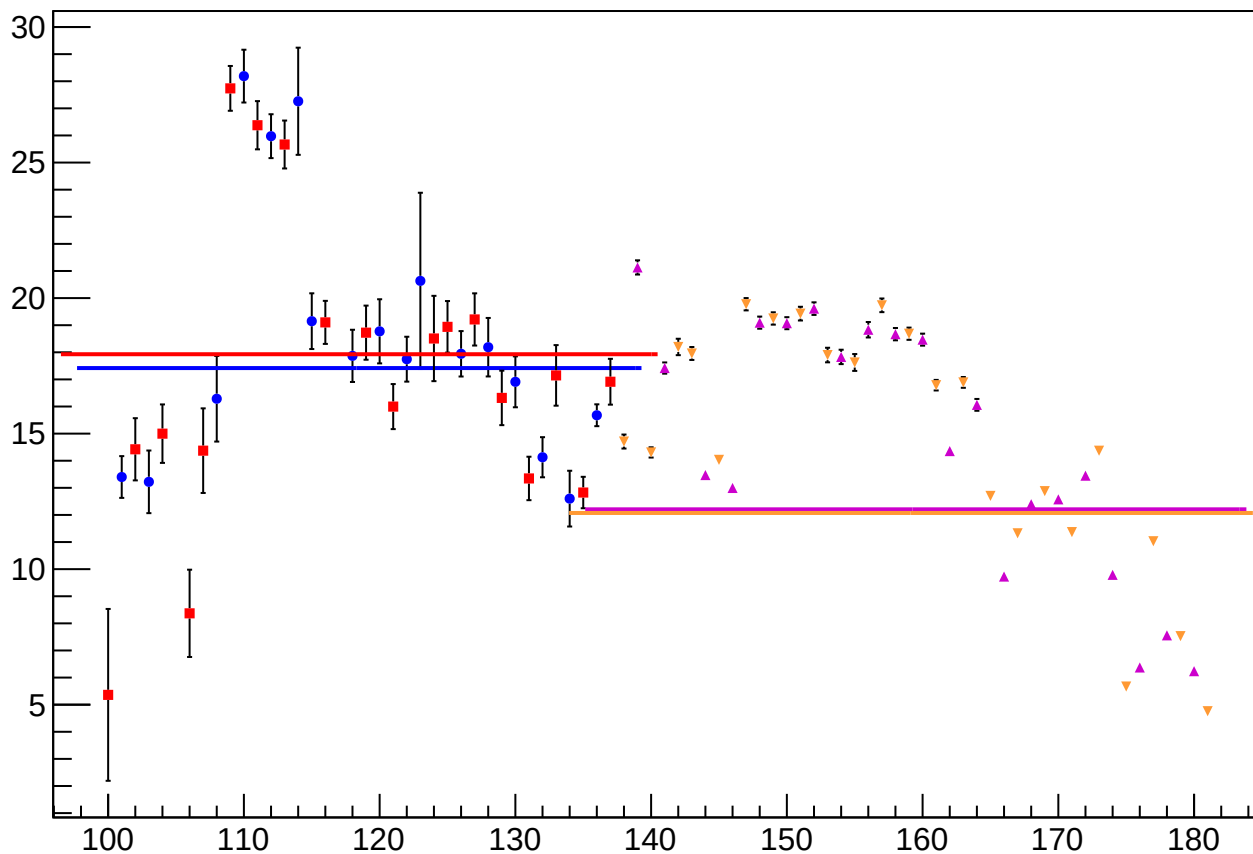
Right: 2.086 $\pm$ 0.084 χ^2 /NDF: 641.1/35

In: 0.291 $\pm$ 0.028 χ^2 /NDF:4246.8/37

Out: 0.155 $\pm$ 0.028 χ^2 /NDF:6123.5/41

All: 0.222 $\pm$ 0.020 χ^2 /NDF: 10381.9/79

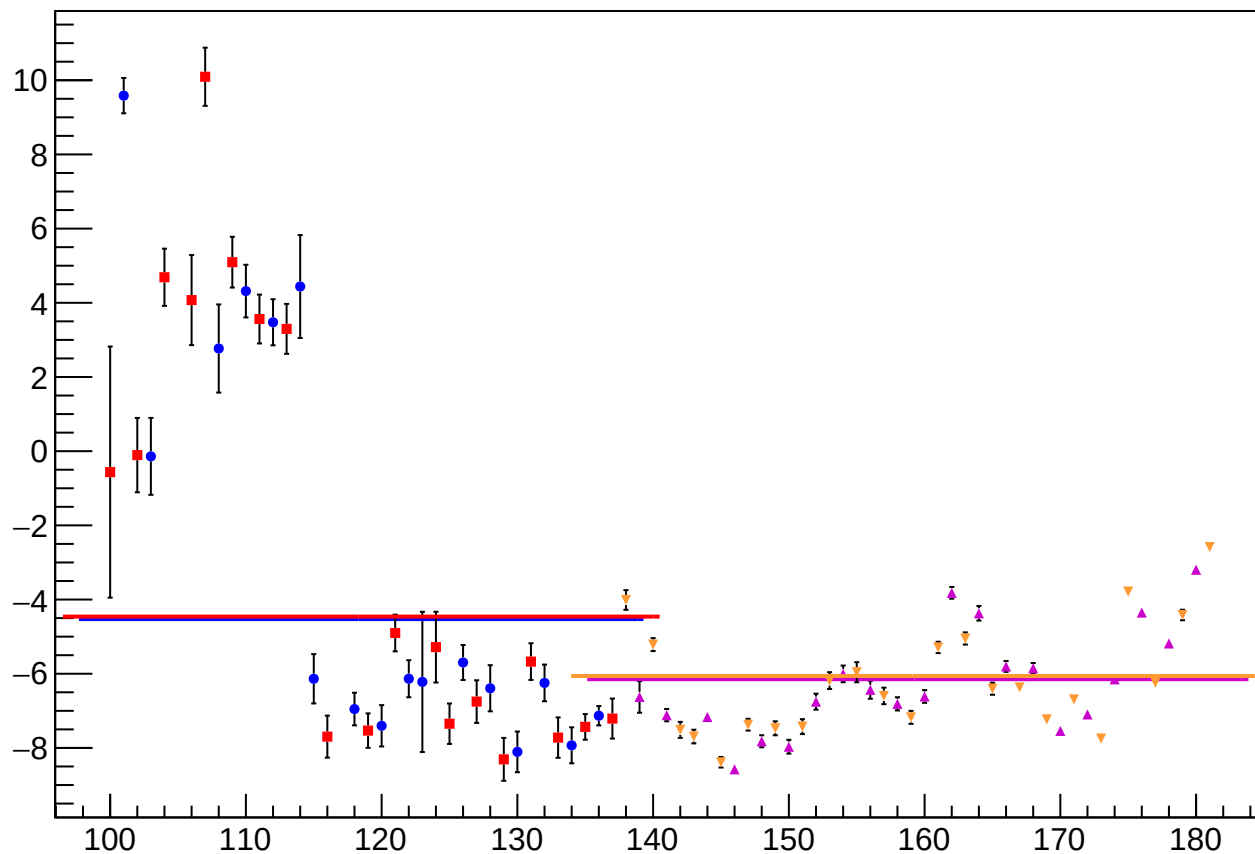
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.418 ± 0.212 χ^2/NDF : 366.8/16
 Left Out: 12.073 ± 0.036 χ^2/NDF : 17704.4/22
 Right Out: 17.929 ± 0.219 χ^2/NDF : 506.3/18
 Left In: 12.207 ± 0.037 χ^2/NDF : 14886.1/20

Left: 12.139 ± 0.026 χ^2/NDF : 32597.2/43
 Right: 17.665 ± 0.152 χ^2/NDF : 876.0/35
 In: 12.363 ± 0.037 χ^2/NDF : 15840.7/37
 Out: 12.231 ± 0.036 χ^2/NDF : 18907.2/41
 All: 12.295 ± 0.026 χ^2/NDF : 34754.5/79

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.526 ± 0.130 χ^2/NDF : 1590.2/16

Left Out: -6.061 ± 0.032 χ^2/NDF : 2475.4/22

Right Out: -4.459 ± 0.137 χ^2/NDF : 1338.9/18

Left In: -6.147 ± 0.033 χ^2/NDF : 2133.4/20

Left: -6.103 ± 0.023 χ^2/NDF : 4612.2/43

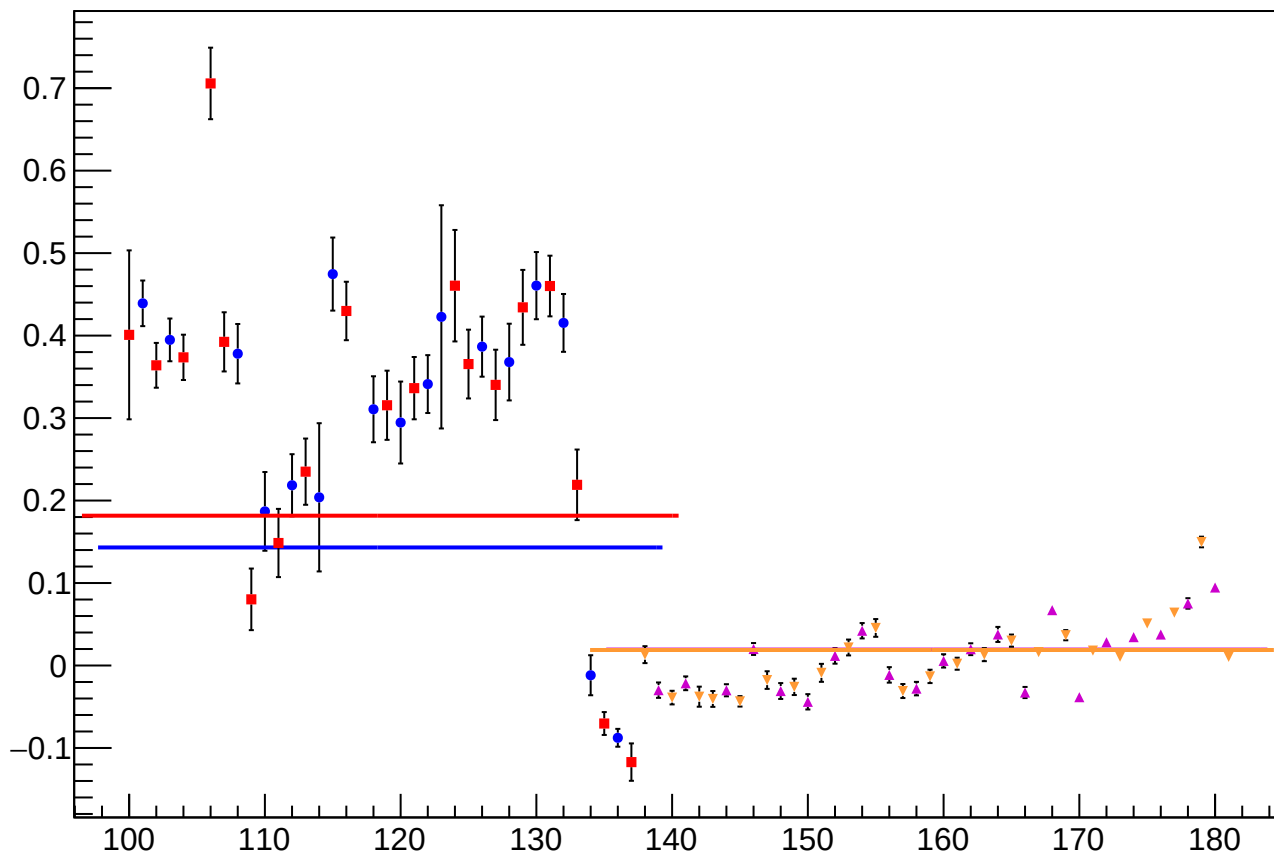
Right: -4.494 ± 0.094 χ^2/NDF : 2929.2/35

In: -6.048 ± 0.032 χ^2/NDF : 3870.7/37

Out: -5.976 ± 0.032 χ^2/NDF : 3943.9/41

All: -6.012 ± 0.022 χ^2/NDF : 7817.2/79

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: 0.019 $\pm$ 0.001 χ^2 /NDF: 839.0/22

Right Out: 0.182 $\pm$ 0.007 χ^2 /NDF: 1007.8/18

Left In: 0.019 $\pm$ 0.002 χ^2 /NDF: 765.7/20

Left: 0.019 $\pm$ 0.001 χ^2 /NDF: 1604.7/43

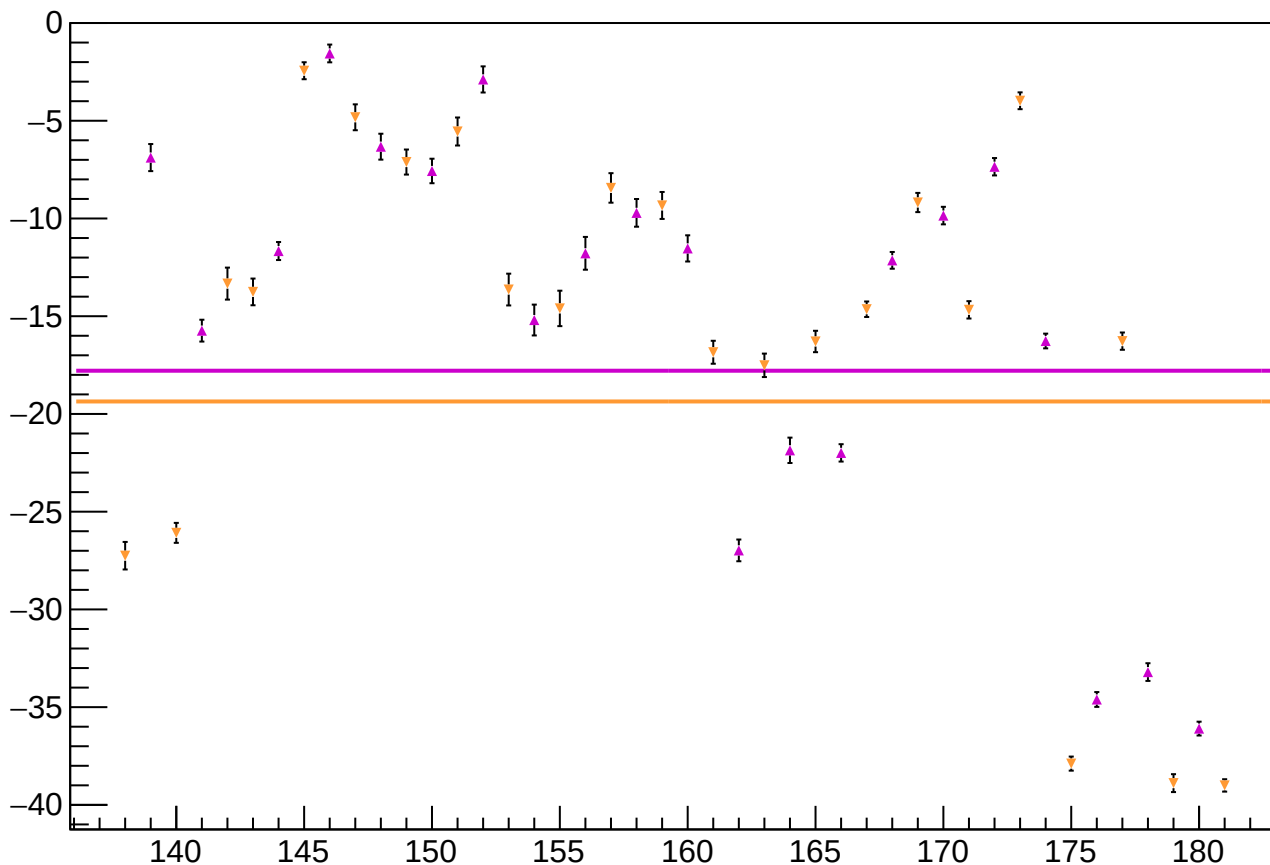
Right: 0.161 $\pm$ 0.005 χ^2 /NDF: 2082.4/35

In: 0.025 $\pm$ 0.001 χ^2 /NDF: 2120.9/37

Out: 0.025 $\pm$ 0.001 χ^2 /NDF: 2313.8/41

All: 0.025 $\pm$ 0.001 χ^2 /NDF: 4434.7/79

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: -19.361+/-0.108 χ^2/NDF :14023.5/22

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

Left In: -17.789+/-0.110 χ^2/NDF :10306.6/20

Left: -18.591+/-0.077 χ^2/NDF : 24433.8/43

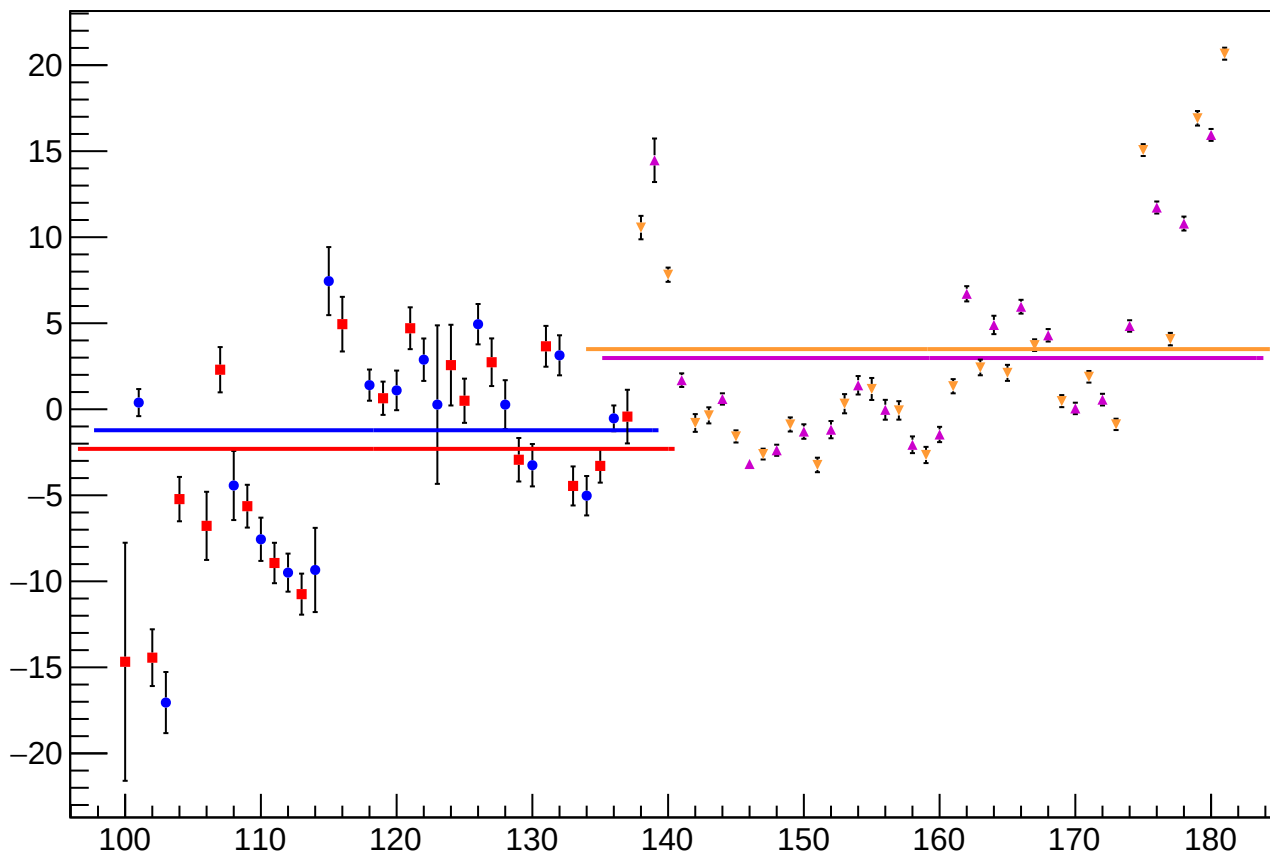
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -17.789+/-0.110 χ^2/NDF :10306.6/20

Out: -19.361+/-0.108 χ^2/NDF :14023.5/22

All: -18.591+/-0.077 χ^2/NDF : 24433.8/43

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.220 ± 0.290 χ^2/NDF : 278.6/16

Left Out: 3.496 ± 0.085 χ^2/NDF : 6418.2/22

Right Out: -2.302 ± 0.302 χ^2/NDF : 286.2/18

Left In: 2.977 ± 0.086 χ^2/NDF : 4015.7/20

Left: 3.241 ± 0.060 χ^2/NDF : 10452.4/43

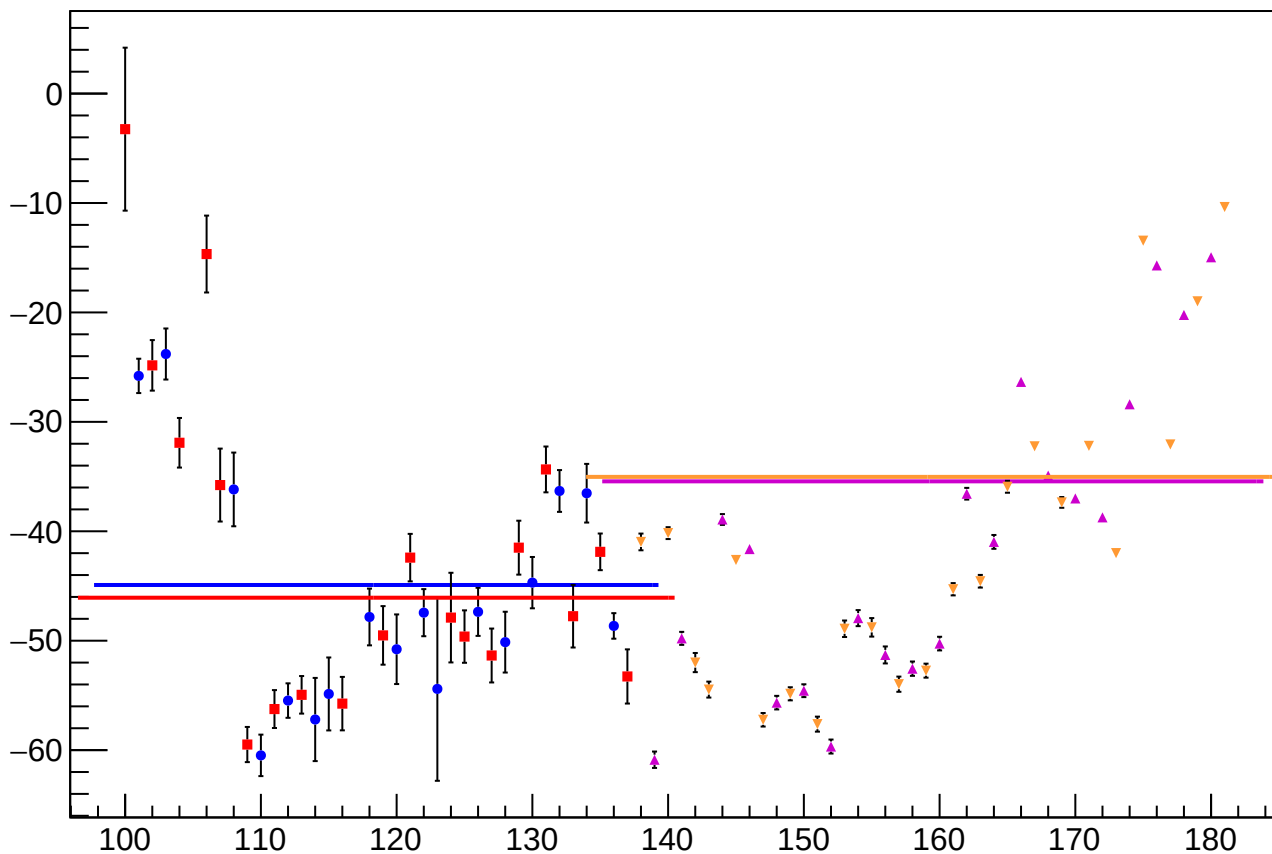
Right: -1.738 ± 0.209 χ^2/NDF : 571.5/35

In: 2.638 ± 0.082 χ^2/NDF : 4486.9/37

Out: 3.074 ± 0.082 χ^2/NDF : 7045.2/41

All: 2.859 ± 0.058 χ^2/NDF : 11546.3/79

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: -35.028 ± 0.109 χ^2/NDF : 18531.0/22

Right Out: -46.071 ± 0.528 χ^2/NDF : 454.0/18

Left In: -35.437 ± 0.110 χ^2/NDF : 15632.5/20

Left: -35.230 ± 0.077 χ^2/NDF : 34170.4/43

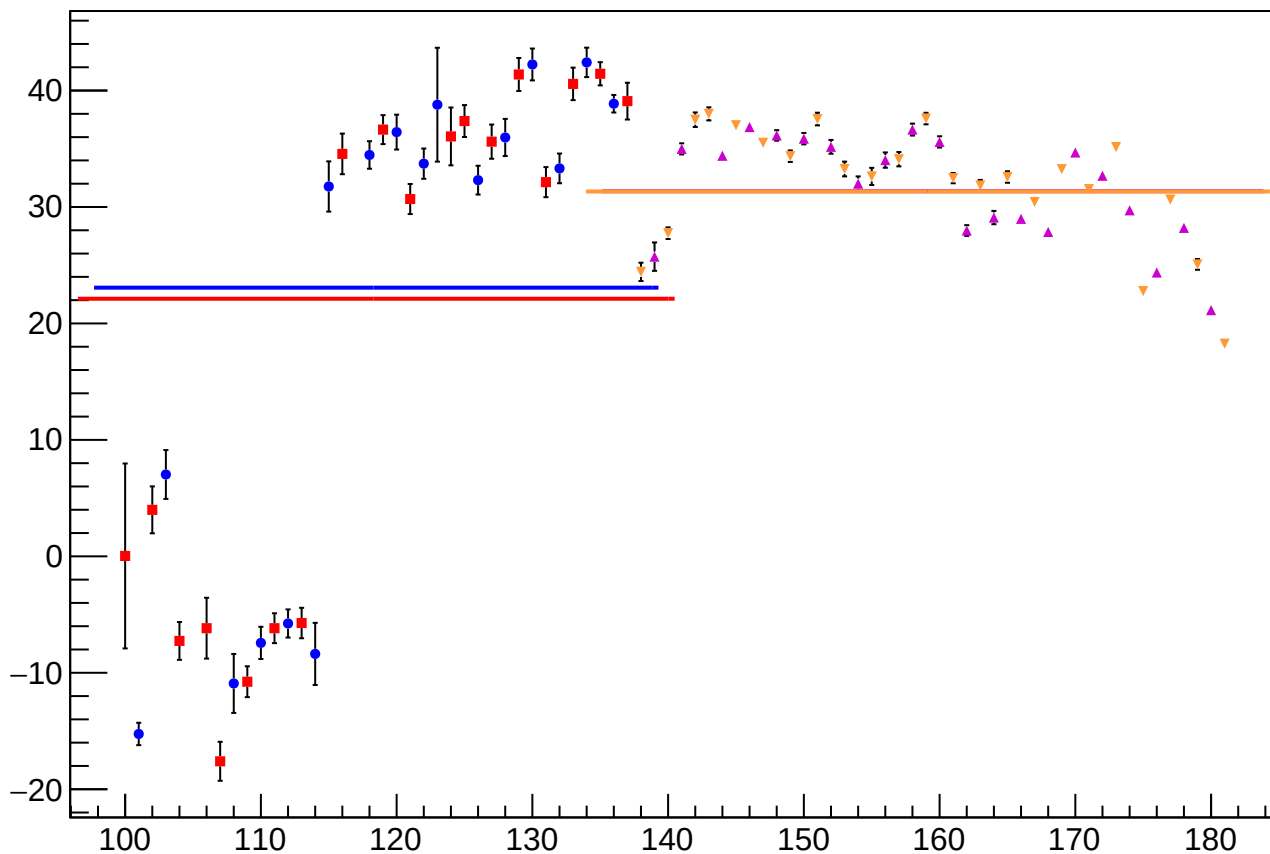
Right: -45.483 ± 0.371 χ^2/NDF : 877.6/35

In: -35.841 ± 0.108 χ^2/NDF : 16368.2/37

Out: -35.476 ± 0.106 χ^2/NDF : 19404.2/41

All: -35.656 ± 0.076 χ^2/NDF : 35778.2/79

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: 31.332 $\pm$ 0.096 χ^2 /NDF:3133.8/22

Right Out: 22.122 $\pm$ 0.340 χ^2 /NDF: 4034.4/18

Left In: 31.354 $\pm$ 0.097 χ^2 /NDF:2272.5/20

Left: 31.343 $\pm$ 0.068 χ^2 /NDF: 5406.3/43

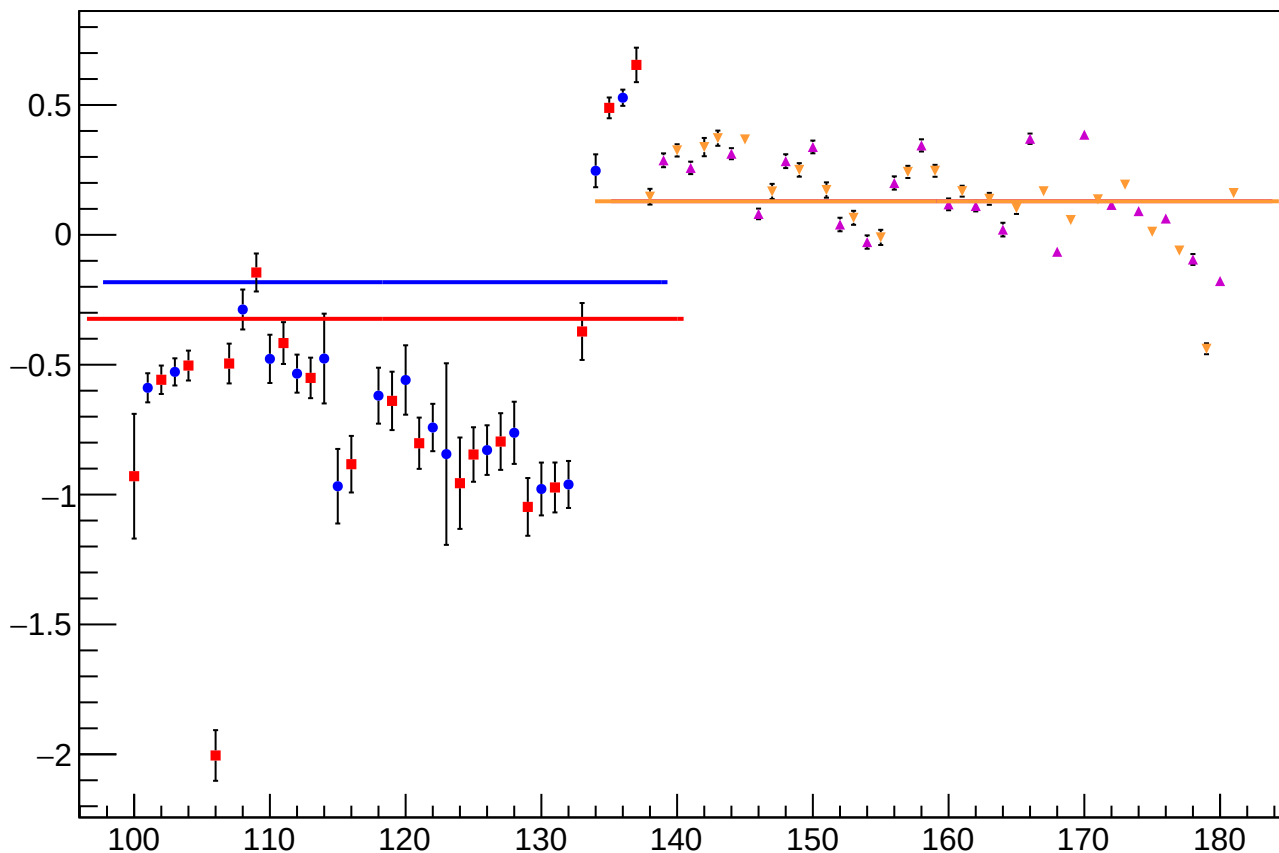
Right: 22.617 $\pm$ 0.235 χ^2 /NDF: 8384.4/35

In: 30.679 $\pm$ 0.093 χ^2 /NDF:7211.1/37

Out: 30.656 $\pm$ 0.092 χ^2 /NDF:7848.6/41

All: 30.668 $\pm$ 0.065 χ^2 /NDF: 15059.8/79

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.182 $\pm$ 0.018 χ^2 /NDF: 998.1/16

Left Out: 0.129 $\pm$ 0.004 χ^2 /NDF:1396.5/22

Right Out: -0.323 $\pm$ 0.018 χ^2 /NDF: 1184.5/18

Left In: 0.130 $\pm$ 0.004 χ^2 /NDF:1391.2/20

Left: 0.130 $\pm$ 0.003 χ^2 /NDF: 2787.7/43

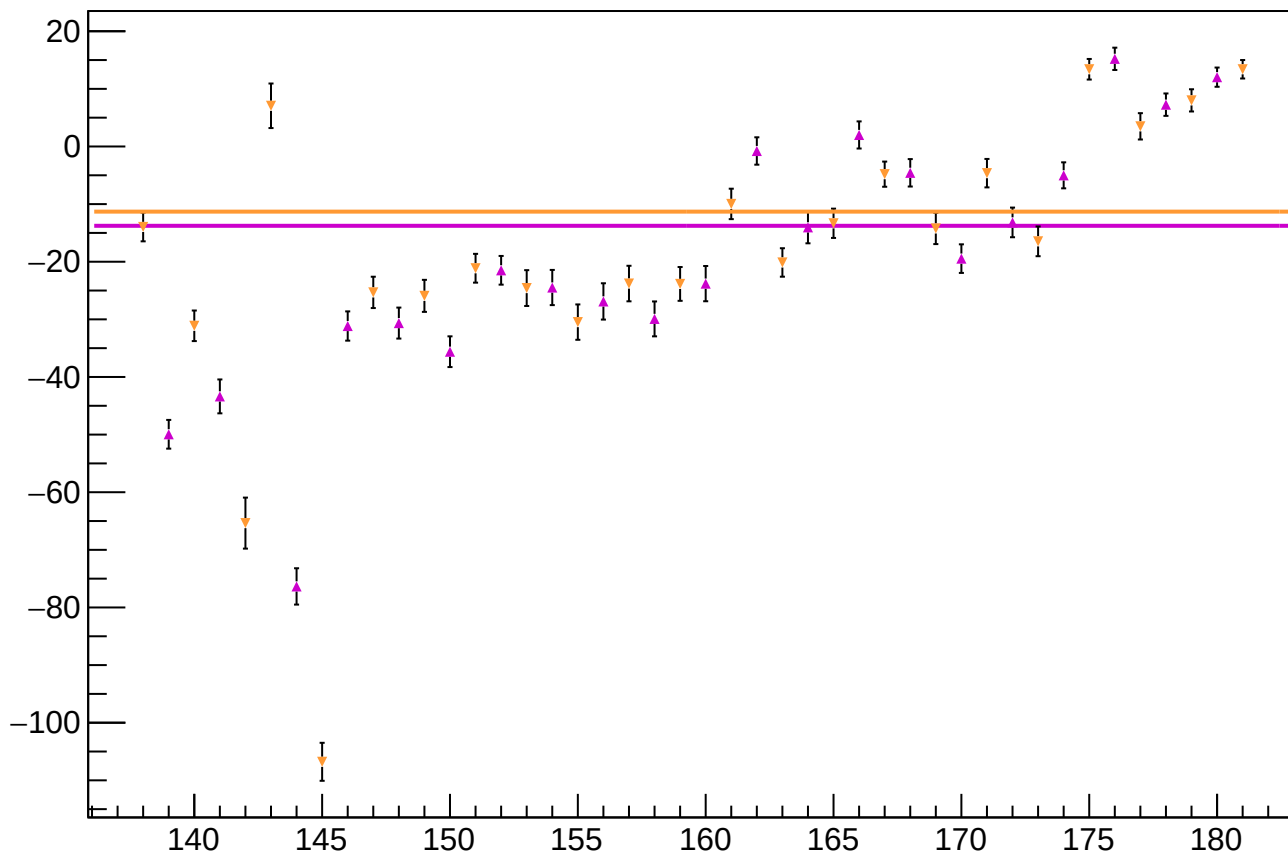
Right: -0.251 $\pm$ 0.013 χ^2 /NDF: 2213.4/35

In: 0.111 $\pm$ 0.004 χ^2 /NDF:2680.8/37

Out: 0.104 $\pm$ 0.004 χ^2 /NDF:3167.3/41

All: 0.108 $\pm$ 0.003 χ^2 /NDF: 5849.5/79

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -11.305 ± 0.523 χ^2/NDF : 1835.1/22

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -13.765 ± 0.537 χ^2/NDF : 1628.6/20

Left: -12.502 ± 0.375 χ^2/NDF : 3474.5/43

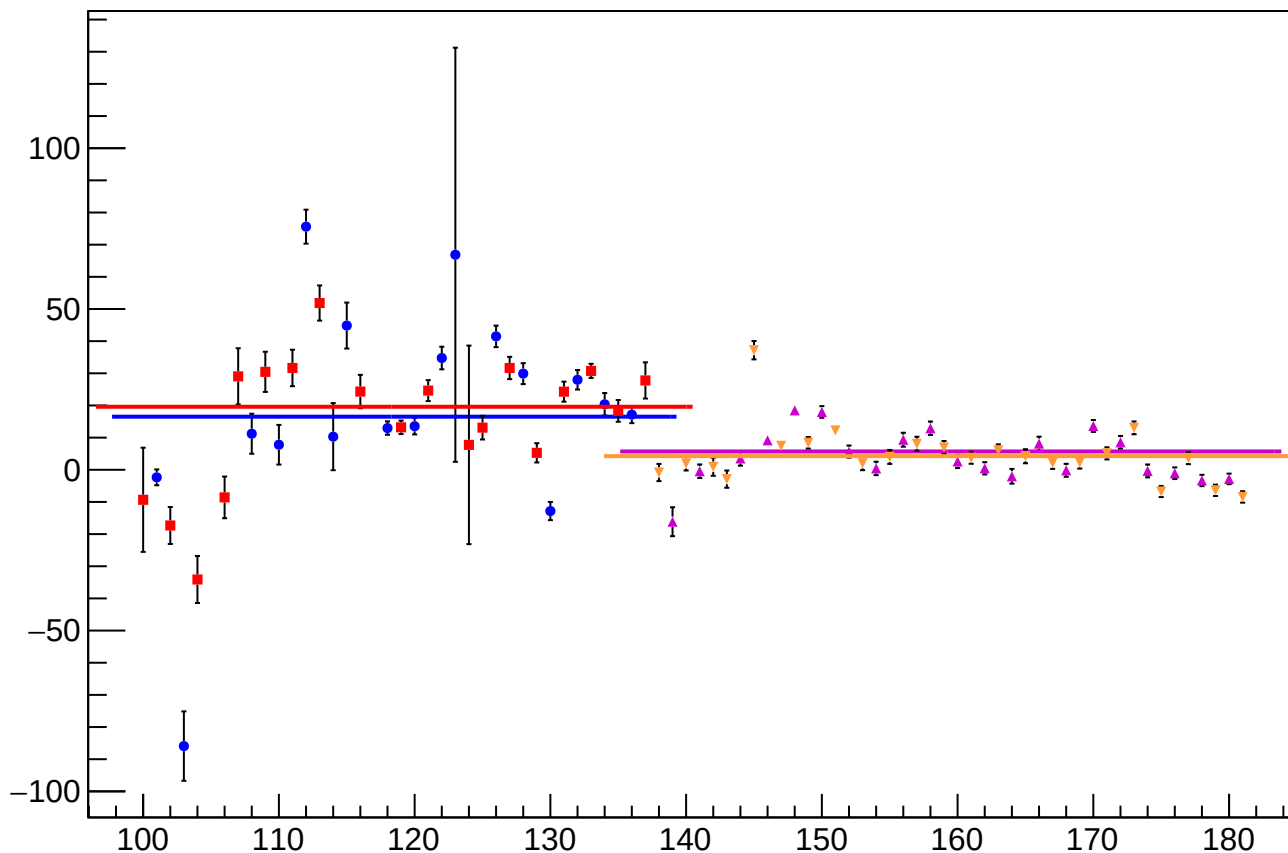
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -13.765 ± 0.537 χ^2/NDF : 1628.6/20

Out: -11.305 ± 0.523 χ^2/NDF : 1835.1/22

All: -12.502 ± 0.375 χ^2/NDF : 3474.5/43

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.512+/-0.847 χ^2/NDF : 519.6/16

Left Out: 4.246+/-0.404 χ^2/NDF : 346.2/22

Right Out: 19.604+/-0.898 χ^2/NDF : 242.0/18

Left In: 5.698+/-0.418 χ^2/NDF : 329.1/20

Left: 4.947+/-0.290 χ^2/NDF : 681.5/43

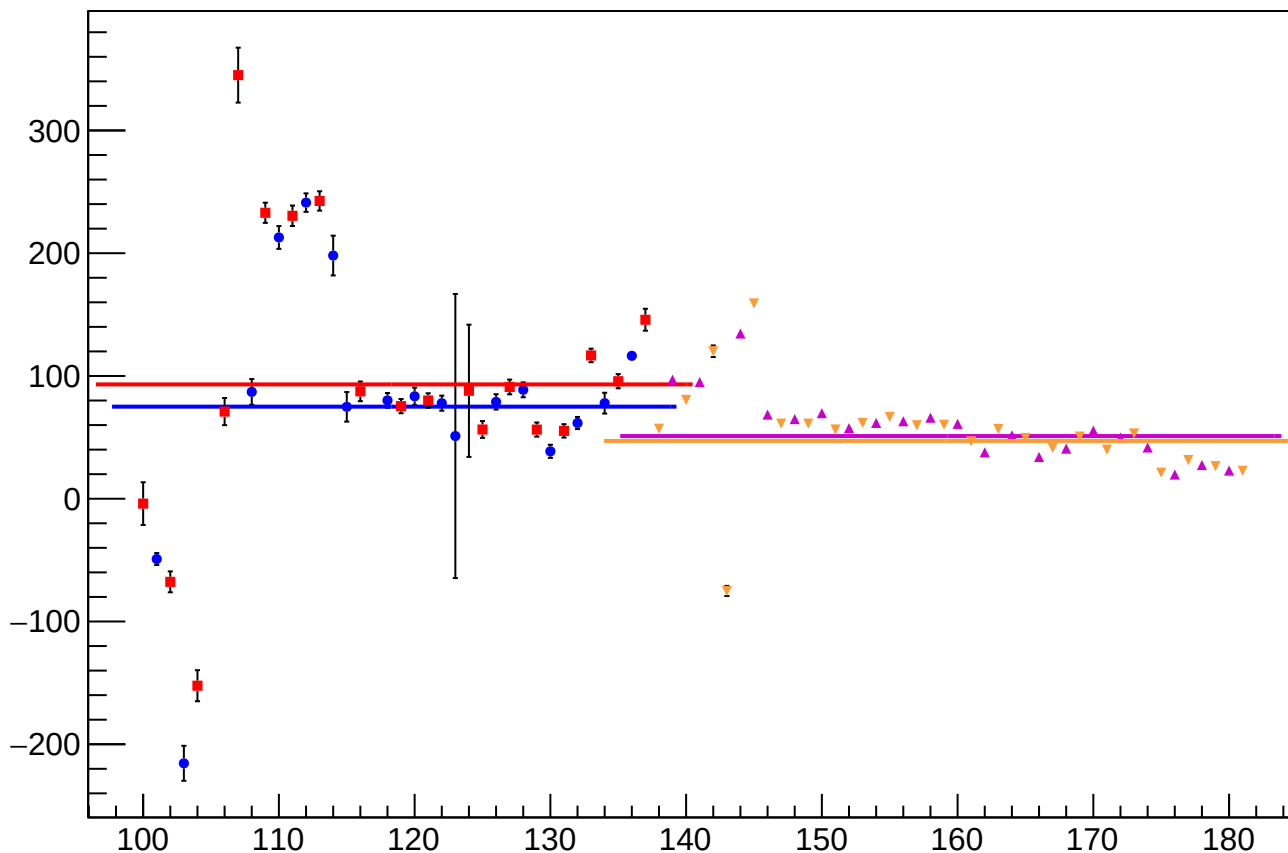
Right: 17.968+/-0.616 χ^2/NDF : 767.9/35

In: 7.813+/-0.375 χ^2/NDF : 979.7/37

Out: 6.827+/-0.368 χ^2/NDF : 831.3/41

All: 7.312+/-0.263 χ^2/NDF : 1814.4/79

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 75.009+/-1.636 χ^2/NDF : 1999.3/16

Left Out: 47.101+/-0.520 χ^2/NDF : 3156.8/22

Right Out: 93.140+/-1.711 χ^2/NDF : 2002.3/18

Left In: 51.060+/-0.532 χ^2/NDF : 2144.5/20

Left: 49.036+/-0.372 χ^2/NDF : 5329.7/43

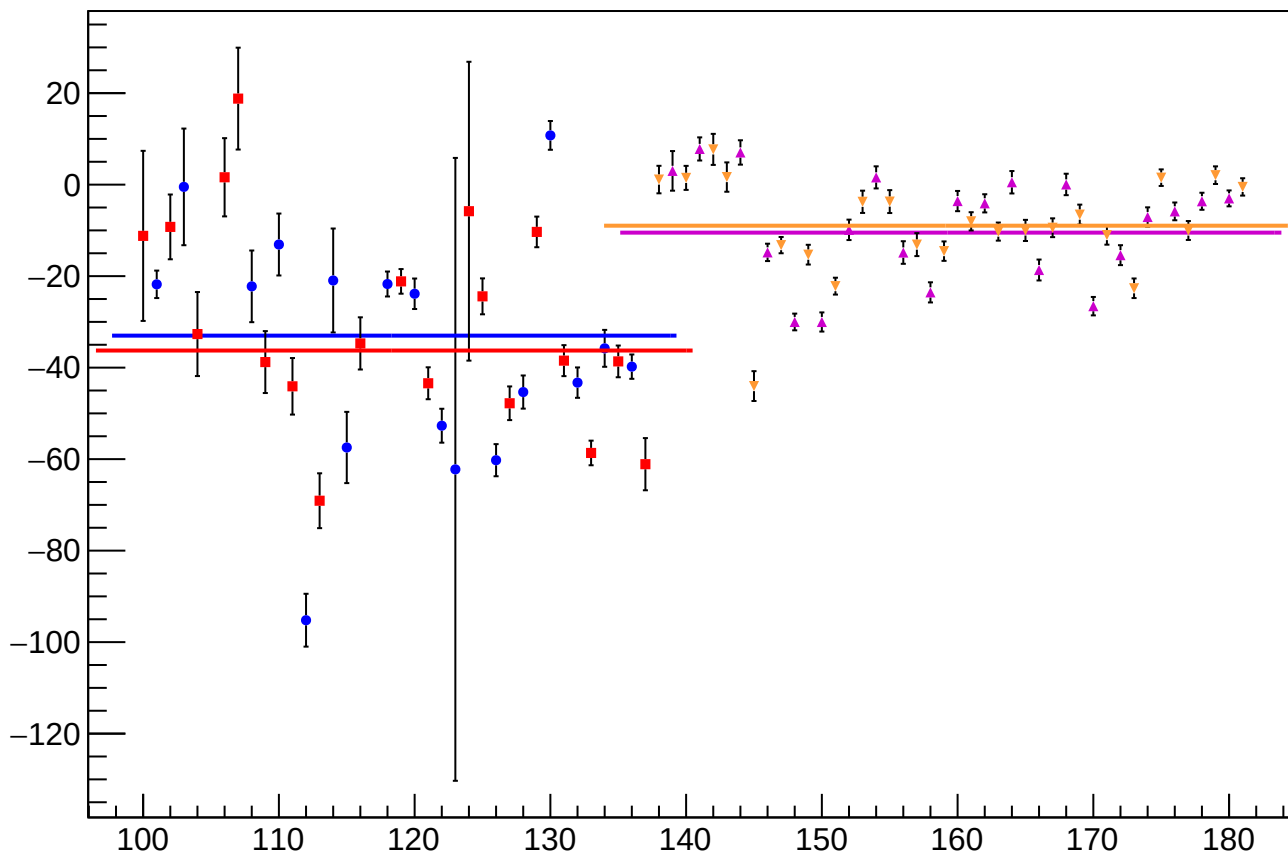
Right: 83.668+/-1.183 χ^2/NDF : 4060.3/35

In: 53.348+/-0.506 χ^2/NDF : 4337.7/37

Out: 50.991+/-0.497 χ^2/NDF : 5821.8/41

All: 52.150+/-0.355 χ^2/NDF : 10170.6/79

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.005 ± 0.972 χ^2/NDF : 493.1/16

Left Out: -8.973 ± 0.459 χ^2/NDF : 392.6/22

Right Out: -36.260 ± 1.025 χ^2/NDF : 297.1/18

Left In: -10.491 ± 0.473 χ^2/NDF : 557.7/20

Left: -9.709 ± 0.330 χ^2/NDF : 955.6/43

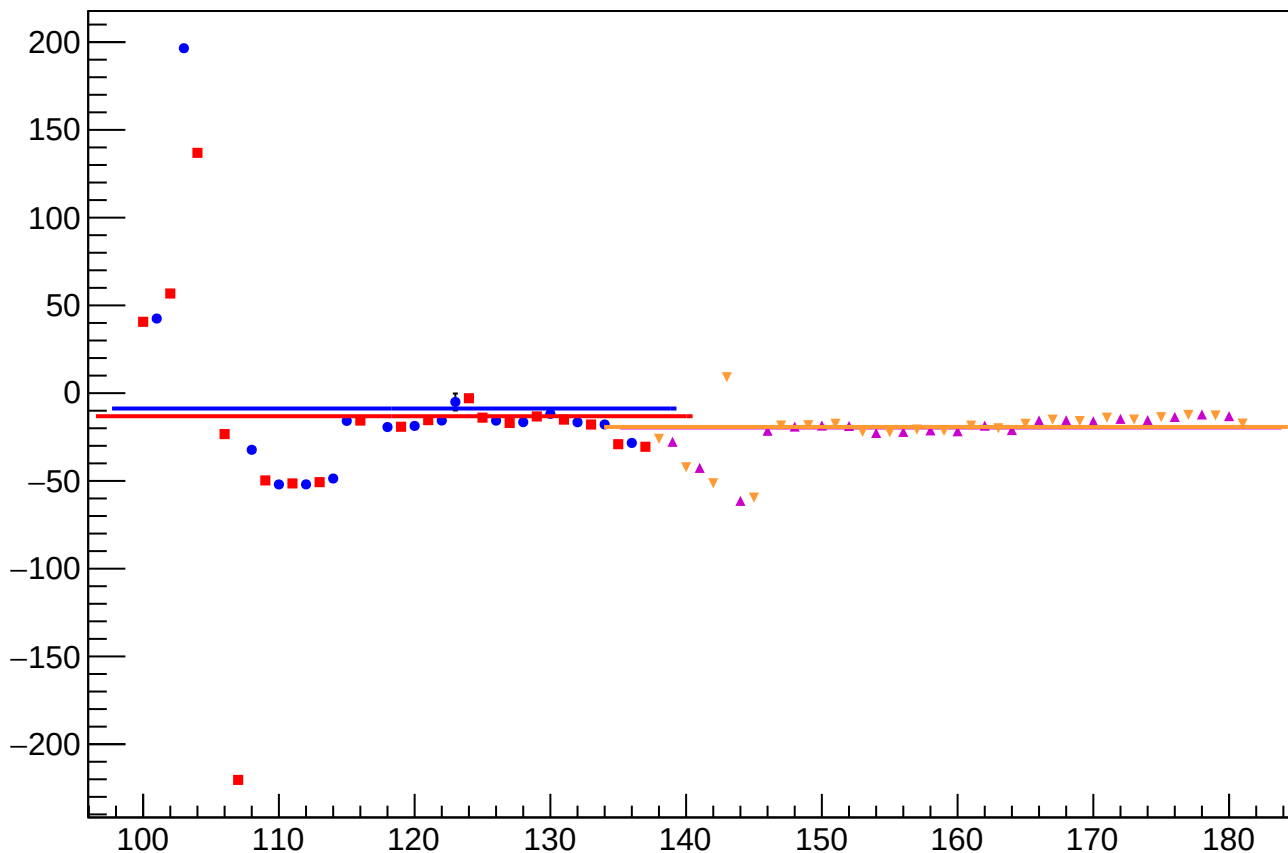
Right: -34.545 ± 0.705 χ^2/NDF : 795.4/35

In: -14.809 ± 0.426 χ^2/NDF : 1484.6/37

Out: -13.533 ± 0.419 χ^2/NDF : 1279.6/41

All: -14.161 ± 0.299 χ^2/NDF : 2768.8/79

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -8.751 ± 0.059 χ^2/NDF : 576012.4/16

Left Out: -19.251 ± 0.021 χ^2/NDF : 214016.2/22

Right Out: -13.143 ± 0.062 χ^2/NDF : 558628.0/18

Left In: -19.551 ± 0.021 χ^2/NDF : 152204.3/20

Left: -19.399 ± 0.015 χ^2/NDF : 366319.9/43

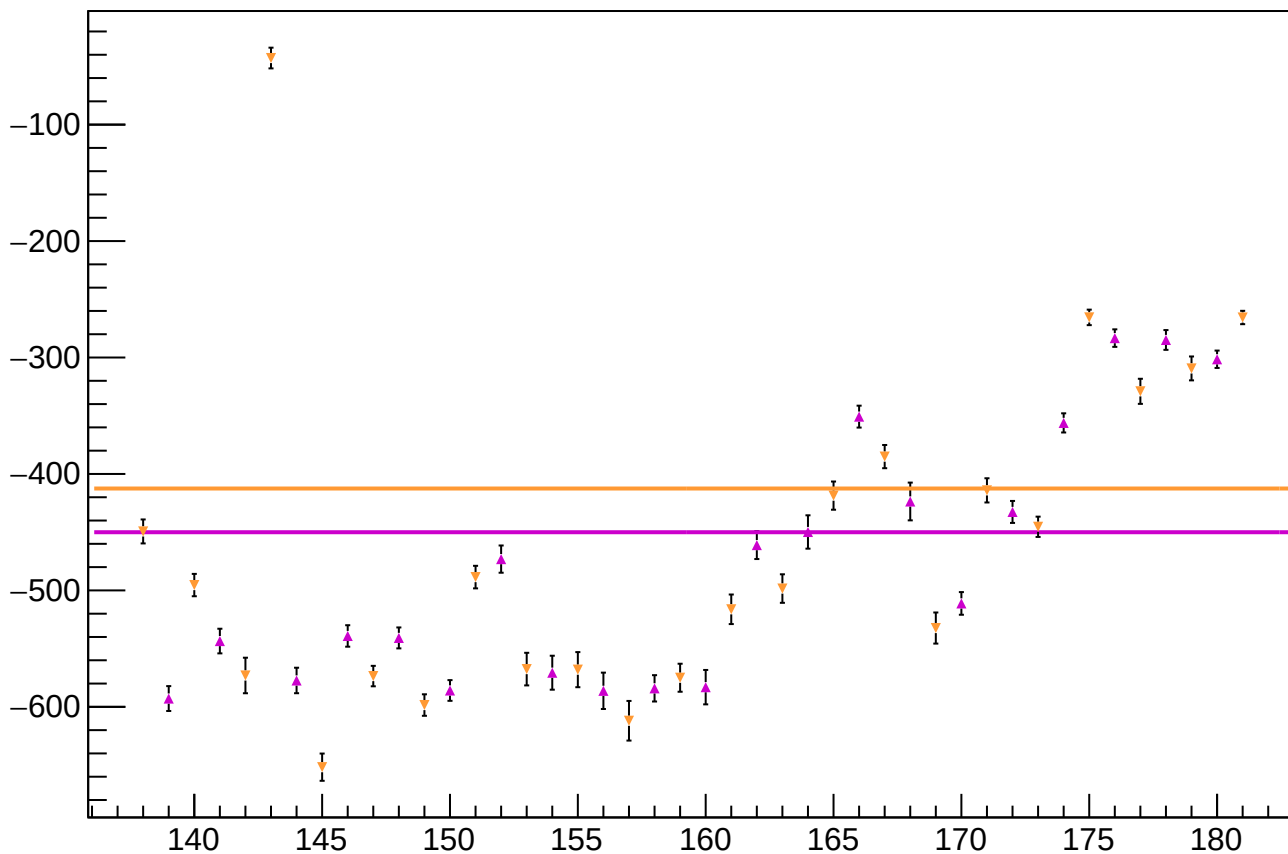
Right: -10.840 ± 0.043 χ^2/NDF : 1137294.9/35

In: -18.282 ± 0.020 χ^2/NDF : 757985.8/37

Out: -18.607 ± 0.020 χ^2/NDF : 781400.9/41

All: -18.445 ± 0.014 χ^2/NDF : 1539516.7/79

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -412.497 $\pm$ 2.091 χ^2/NDF :5218.3/22

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

Left In: -450.039 $\pm$ 2.212 χ^2/NDF :2744.9/20

Left: -430.216 $\pm$ 1.520 χ^2/NDF : 8115.3/43

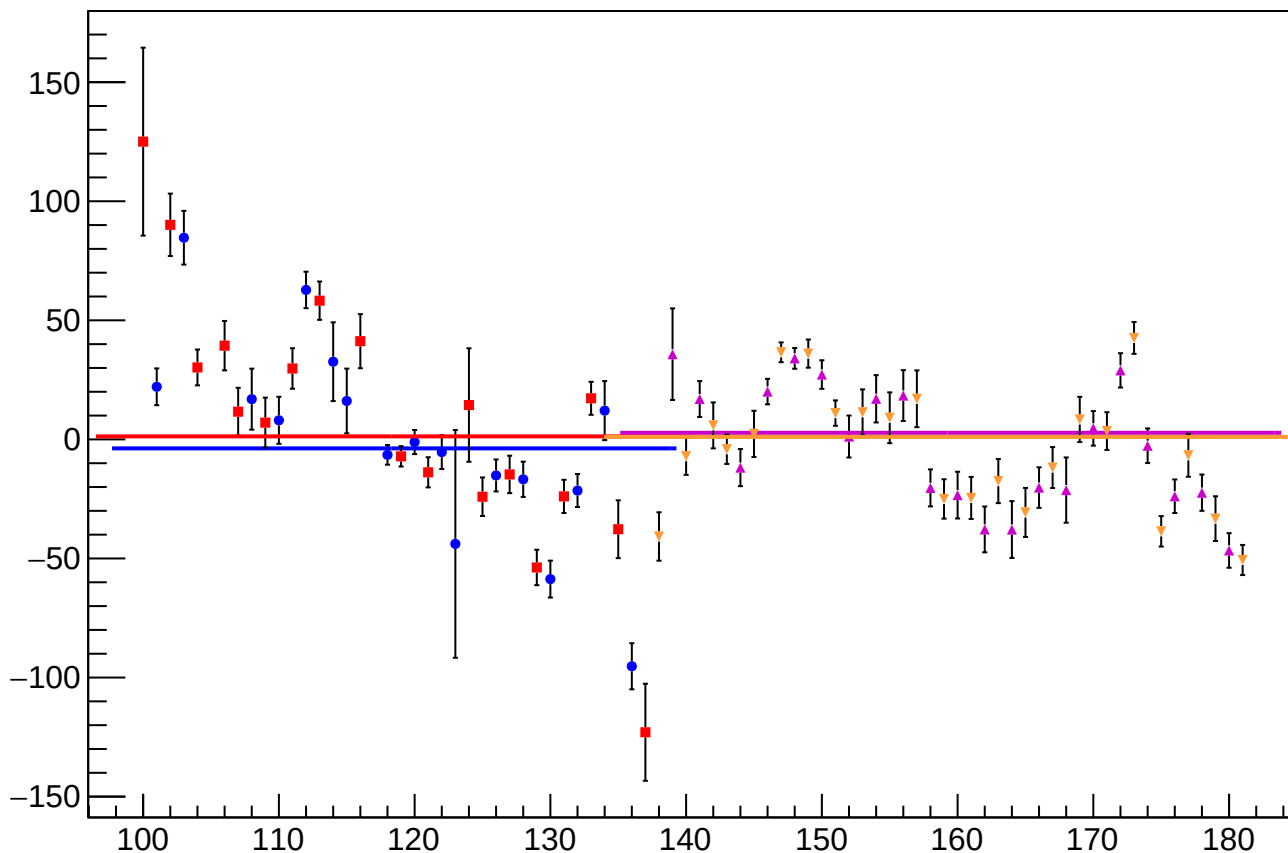
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -450.039 $\pm$ 2.212 χ^2/NDF :2744.9/20

Out: -412.497 $\pm$ 2.091 χ^2/NDF :5218.3/22

All: -430.216 $\pm$ 1.520 χ^2/NDF : 8115.3/43

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.773 ± 1.889 χ^2/NDF : 314.3/16

Left Out: 1.043 ± 1.569 χ^2/NDF : 326.7/22

Right Out: 1.265 ± 1.920 χ^2/NDF : 303.7/18

Left In: 2.768 ± 1.664 χ^2/NDF : 233.9/20

Left: 1.855 ± 1.141 χ^2/NDF : 561.1/43

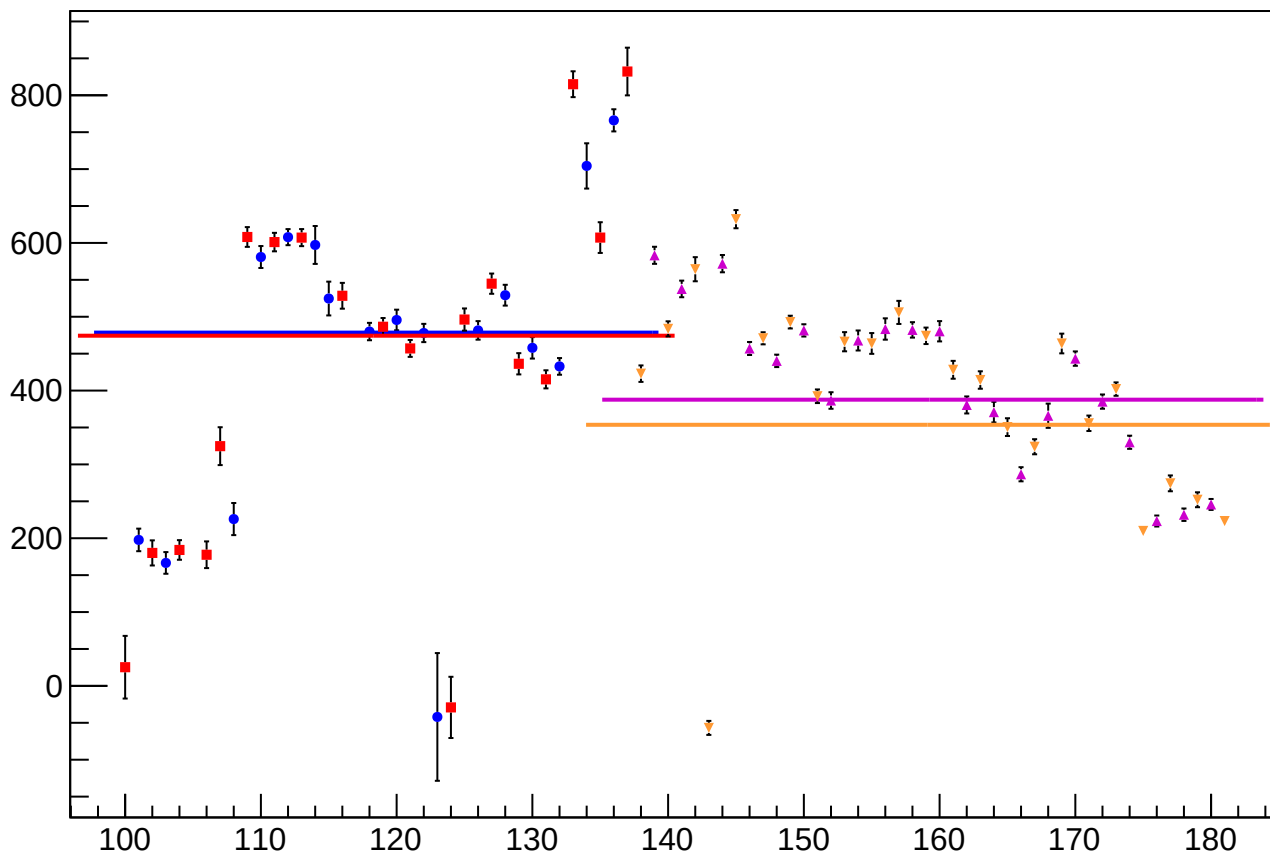
Right: -1.296 ± 1.346 χ^2/NDF : 621.6/35

In: -0.090 ± 1.248 χ^2/NDF : 555.0/37

Out: 1.132 ± 1.215 χ^2/NDF : 630.4/41

All: 0.537 ± 0.871 χ^2/NDF : 1185.9/79

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: 353.653 $\pm$ 2.090 χ^2 /NDF: 4848.4/22

Right Out: 474.328 $\pm$ 3.533 χ^2 /NDF: 2287.1/18

Left In: 387.670 $\pm$ 2.192 χ^2 /NDF: 2529.9/20

Left: 369.854 $\pm$ 1.513 χ^2 /NDF: 7504.5/43

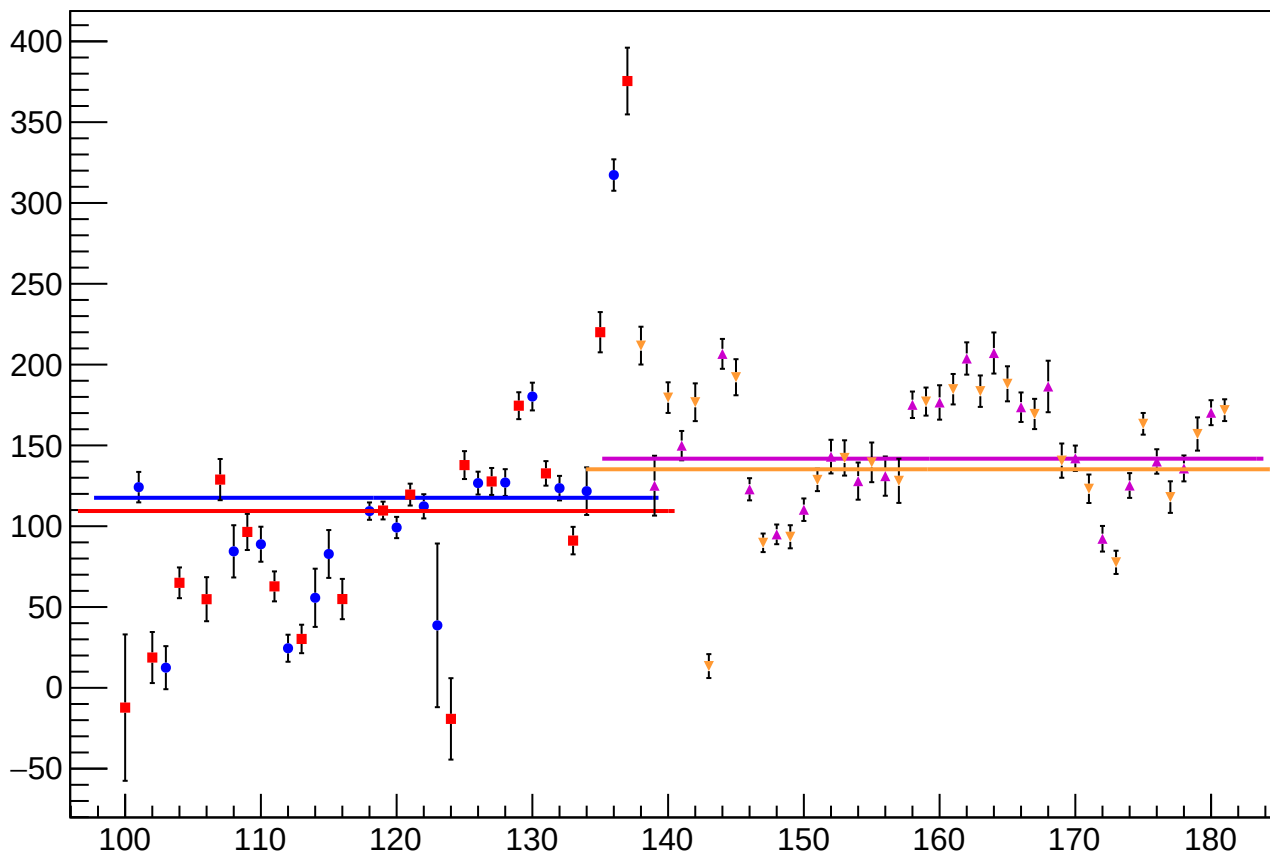
Right: 476.370 $\pm$ 2.532 χ^2 /NDF: 3916.8/35

In: 411.946 $\pm$ 1.876 χ^2 /NDF: 4618.0/37

Out: 384.946 $\pm$ 1.799 χ^2 /NDF: 7999.8/41

All: 397.877 $\pm$ 1.299 χ^2 /NDF: 12725.7/79

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: 135.229 $\pm$ 1.815 χ^2 /NDF:706.7/22

Right Out: 109.400 $\pm$ 2.210 χ^2 /NDF: 571.2/18

Left In: 141.784 $\pm$ 1.911 χ^2 /NDF:310.4/20

Left: 138.338 $\pm$ 1.316 χ^2 /NDF: 1023.3/43

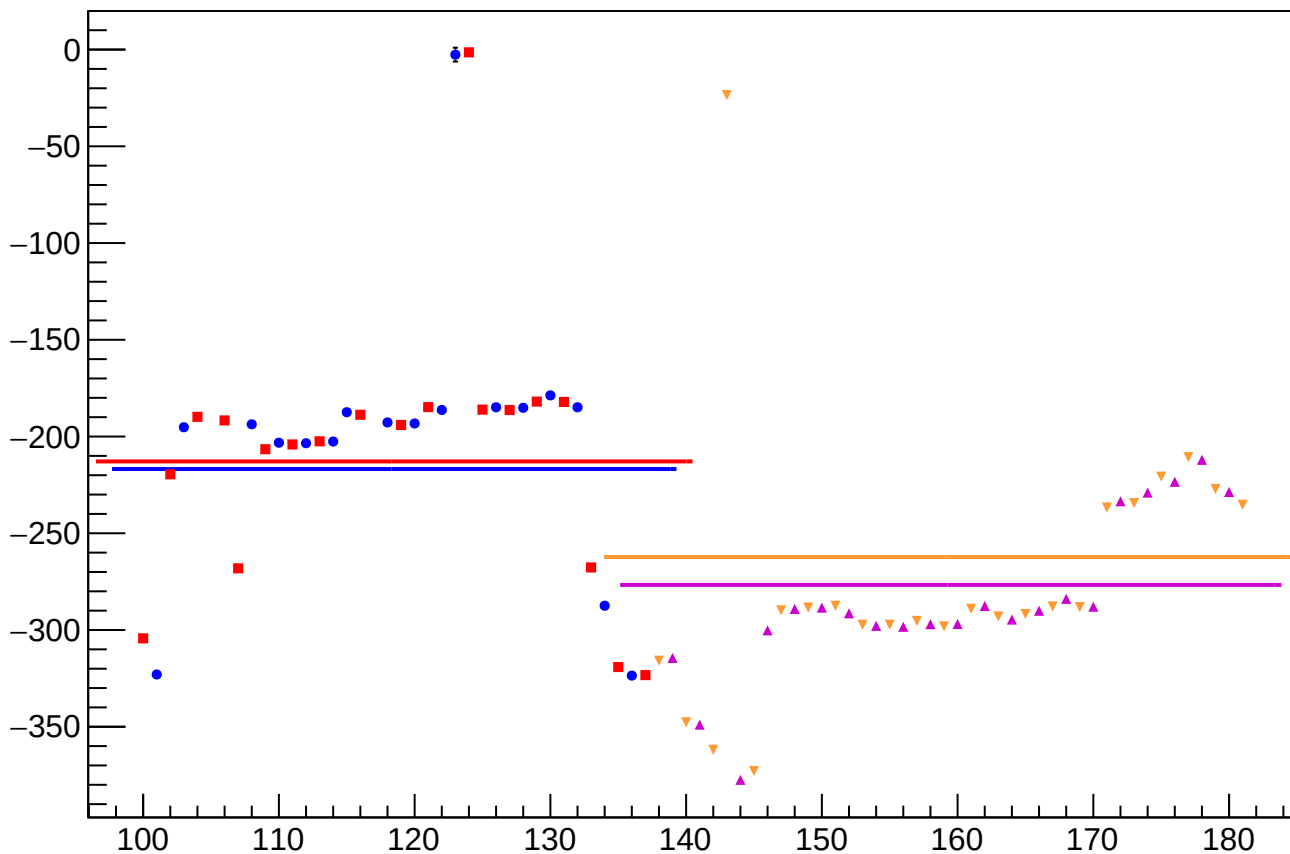
Right: 113.524 $\pm$ 1.557 χ^2 /NDF: 1285.0/35

In: 131.338 $\pm$ 1.441 χ^2 /NDF:1086.5/37

Out: 124.820 $\pm$ 1.403 χ^2 /NDF:1359.5/41

All: 127.992 $\pm$ 1.005 χ^2 /NDF: 2456.5/79

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -216.796 ± 0.136 $\chi^2/\text{NDF}: 146976.1/16$

Left Out: -262.266 ± 0.087 $\chi^2/\text{NDF}: 631722.5/22$

Right Out: -212.869 ± 0.130 $\chi^2/\text{NDF}: 116393.6/18$

Left In: -276.708 ± 0.089 $\chi^2/\text{NDF}: 197291.4/20$

Left: -269.293 ± 0.062 $\chi^2/\text{NDF}: 842431.8/43$

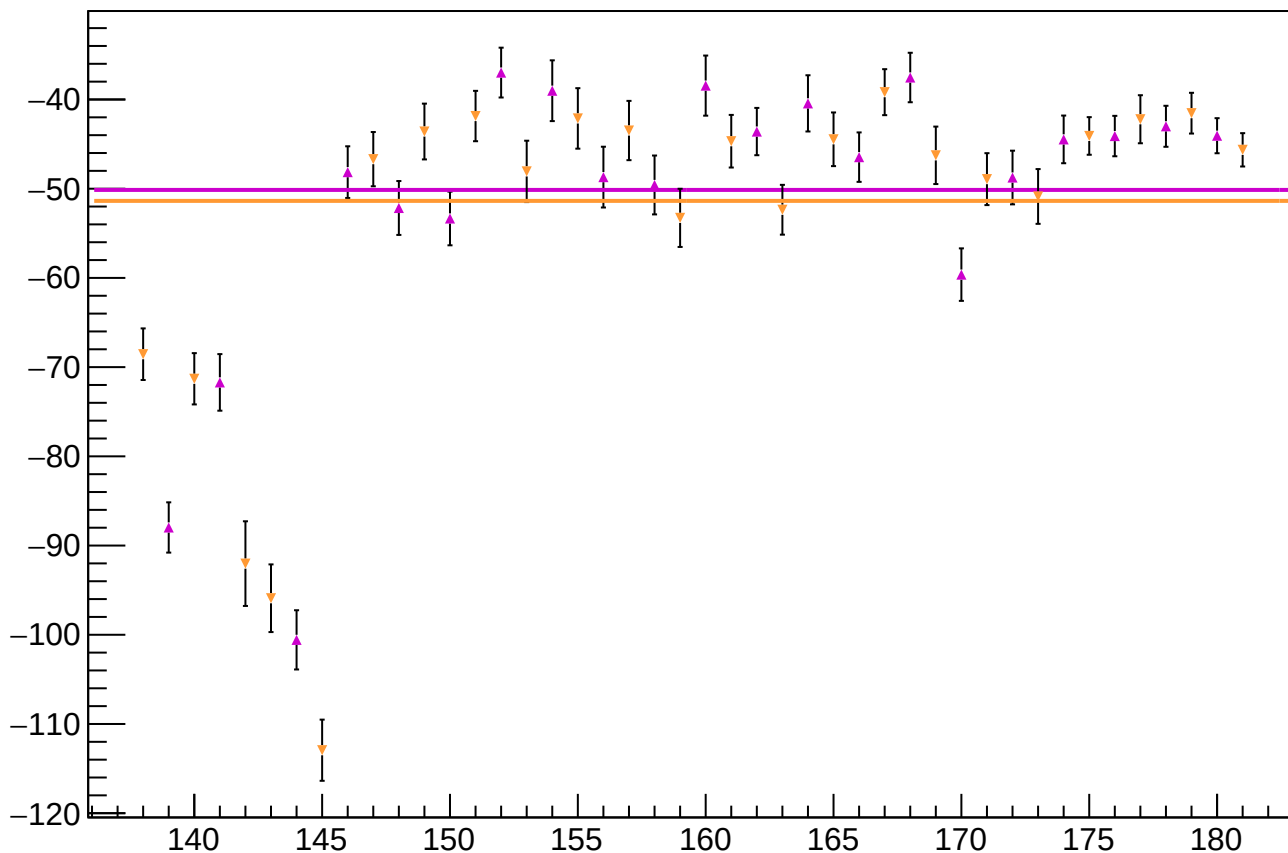
Right: -214.751 ± 0.094 $\chi^2/\text{NDF}: 263806.1/35$

In: -258.585 ± 0.075 $\chi^2/\text{NDF}: 480326.8/37$

Out: -247.018 ± 0.072 $\chi^2/\text{NDF}: 847697.1/41$

All: -252.621 ± 0.052 $\chi^2/\text{NDF}: 1340418.5/79$

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -51.366 ± 0.598 $\chi^2/\text{NDF}: 739.1/22$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -50.137 ± 0.614 $\chi^2/\text{NDF}: 583.9/20$

Left: -50.768 ± 0.429 $\chi^2/\text{NDF}: 1325.0/43$

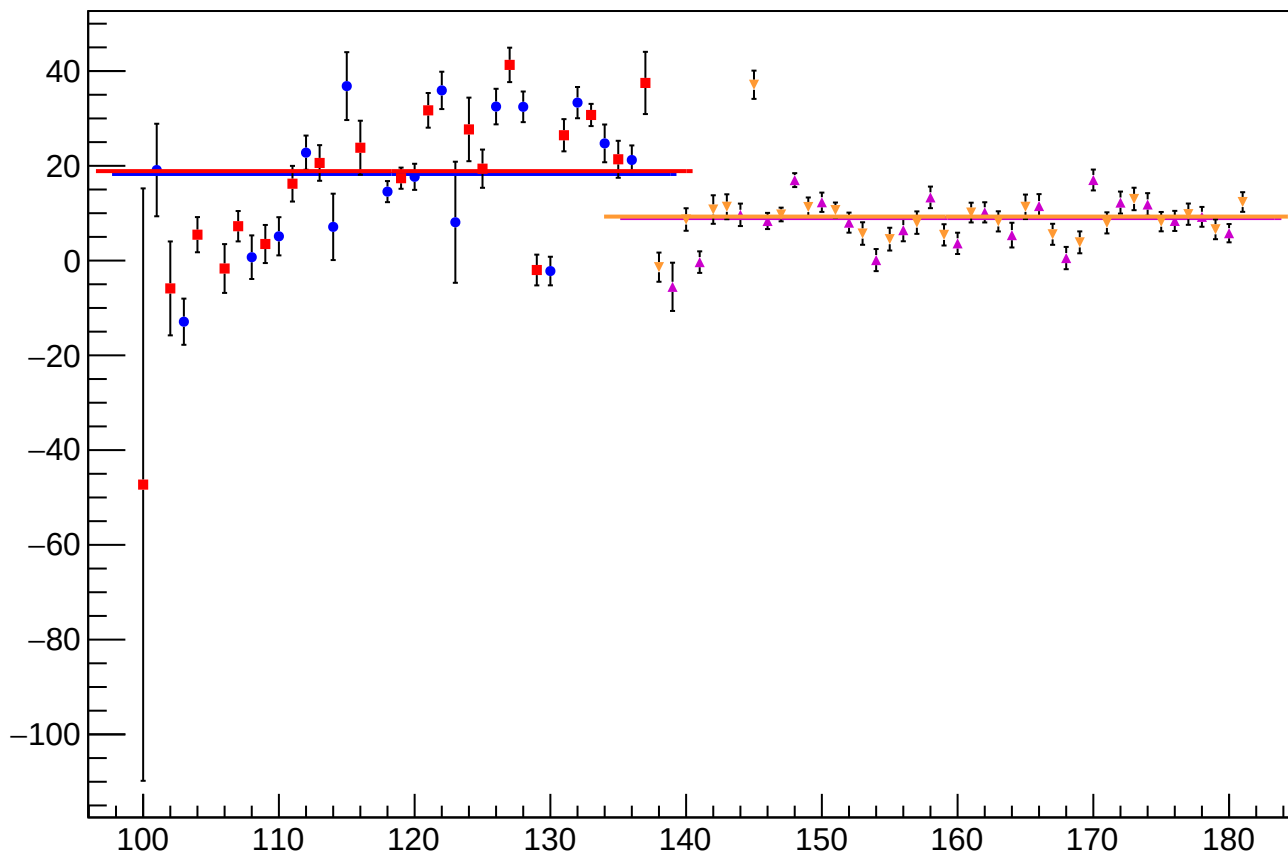
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -50.137 ± 0.614 $\chi^2/\text{NDF}: 583.9/20$

Out: -51.366 ± 0.598 $\chi^2/\text{NDF}: 739.1/22$

All: -50.768 ± 0.429 $\chi^2/\text{NDF}: 1325.0/43$

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.279+/-0.906 χ^2 /NDF: 204.6/16

Left Out: 9.286+/-0.458 χ^2 /NDF:127.7/22

Right Out: 18.882+/-0.864 χ^2 /NDF: 198.4/18

Left In: 8.972+/-0.475 χ^2 /NDF:118.3/20

Left: 9.135+/-0.330 χ^2 /NDF: 246.2/43

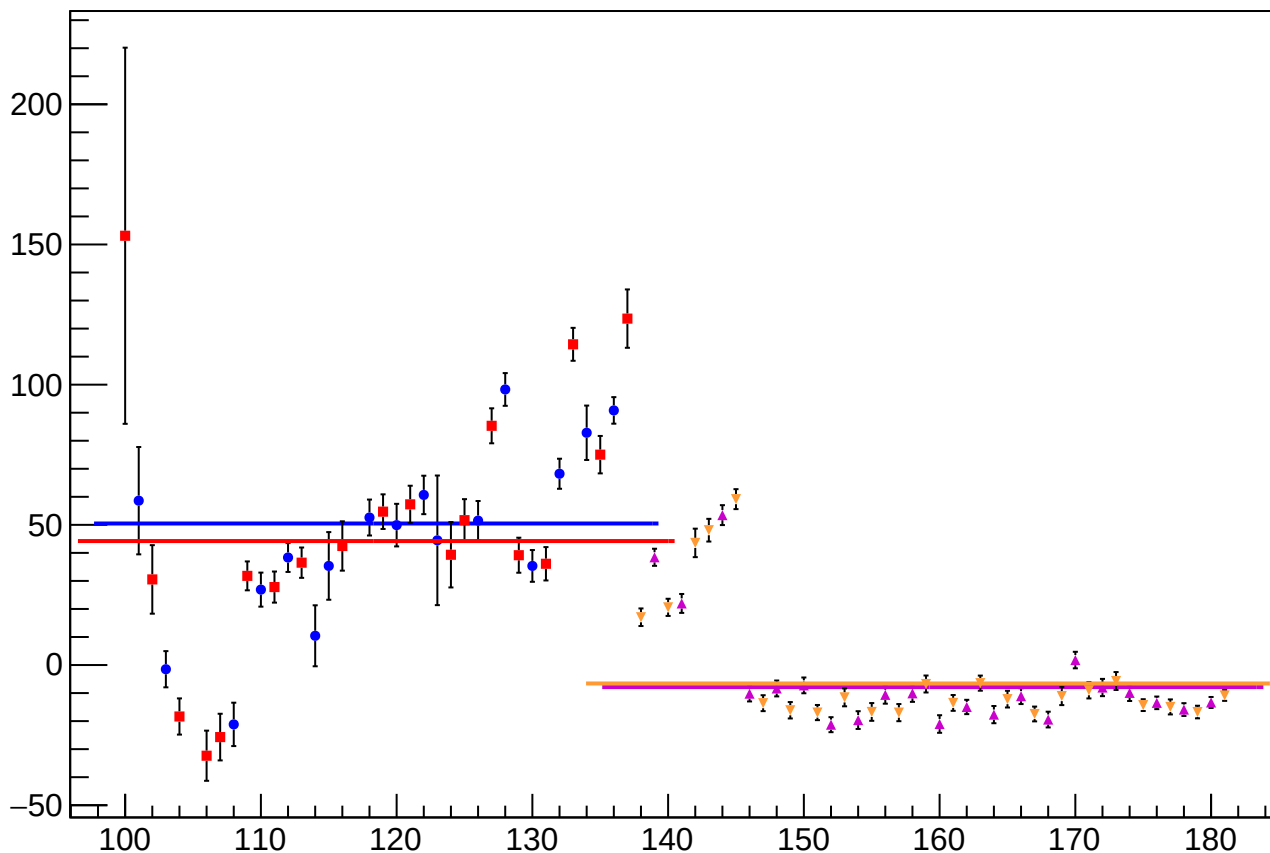
Right: 18.595+/-0.625 χ^2 /NDF: 403.2/35

In: 10.982+/-0.421 χ^2 /NDF:405.7/37

Out: 11.391+/-0.405 χ^2 /NDF:422.3/41

All: 11.195+/-0.292 χ^2 /NDF: 828.5/79

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: -6.576 $\pm$ 0.594 χ^2 /NDF: 889.7/22

Right Out: 44.222 $\pm$ 1.602 χ^2 /NDF: 534.4/18

Left In: -7.857 $\pm$ 0.607 χ^2 /NDF: 739.8/20

Left: -7.202 $\pm$ 0.425 χ^2 /NDF: 1631.8/43

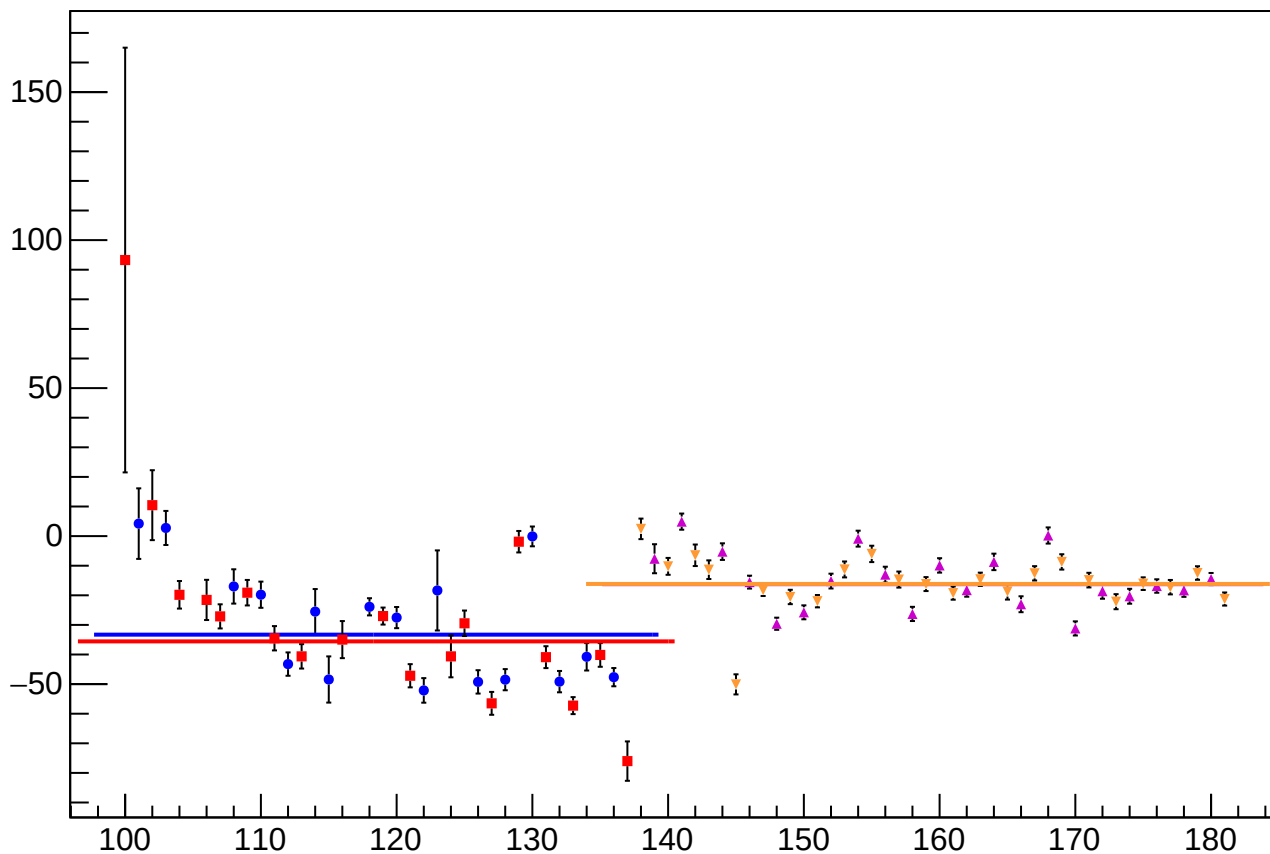
Right: 47.226 $\pm$ 1.156 χ^2 /NDF: 899.6/35

In: -1.026 $\pm$ 0.571 χ^2 /NDF: 2177.8/37

Out: -0.444 $\pm$ 0.557 χ^2 /NDF: 2307.7/41

All: -0.728 $\pm$ 0.399 χ^2 /NDF: 4486.0/79

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.292 ± 1.033 χ^2/NDF : 289.1/16

Left Out: -16.163 ± 0.523 χ^2/NDF : 199.2/22

Right Out: -35.566 ± 0.992 χ^2/NDF : 287.6/18

Left In: -16.242 ± 0.539 χ^2/NDF : 290.9/20

Left: -16.201 ± 0.375 χ^2/NDF : 490.1/43

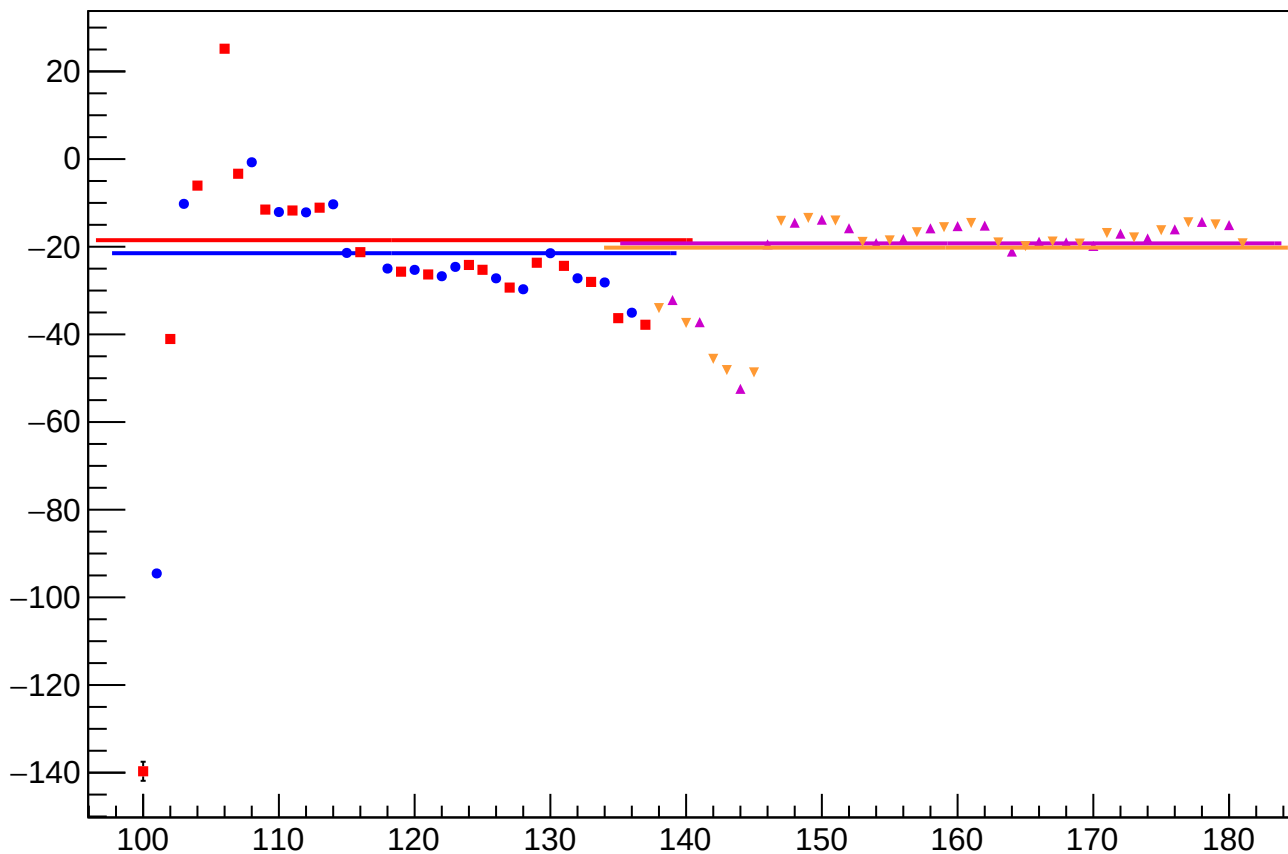
Right: -34.474 ± 0.716 χ^2/NDF : 579.3/35

In: -19.892 ± 0.478 χ^2/NDF : 794.1/37

Out: -20.374 ± 0.462 χ^2/NDF : 786.1/41

All: -20.141 ± 0.332 χ^2/NDF : 1580.7/79

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -21.476 ± 0.059 χ^2/NDF : 49009.8/16

Left Out: -20.209 ± 0.024 χ^2/NDF : 138748.6/22

Right Out: -18.506 ± 0.057 χ^2/NDF : 80734.5/18

Left In: -19.239 ± 0.024 χ^2/NDF : 91951.2/20

Left: -19.730 ± 0.017 χ^2/NDF : 231496.6/43

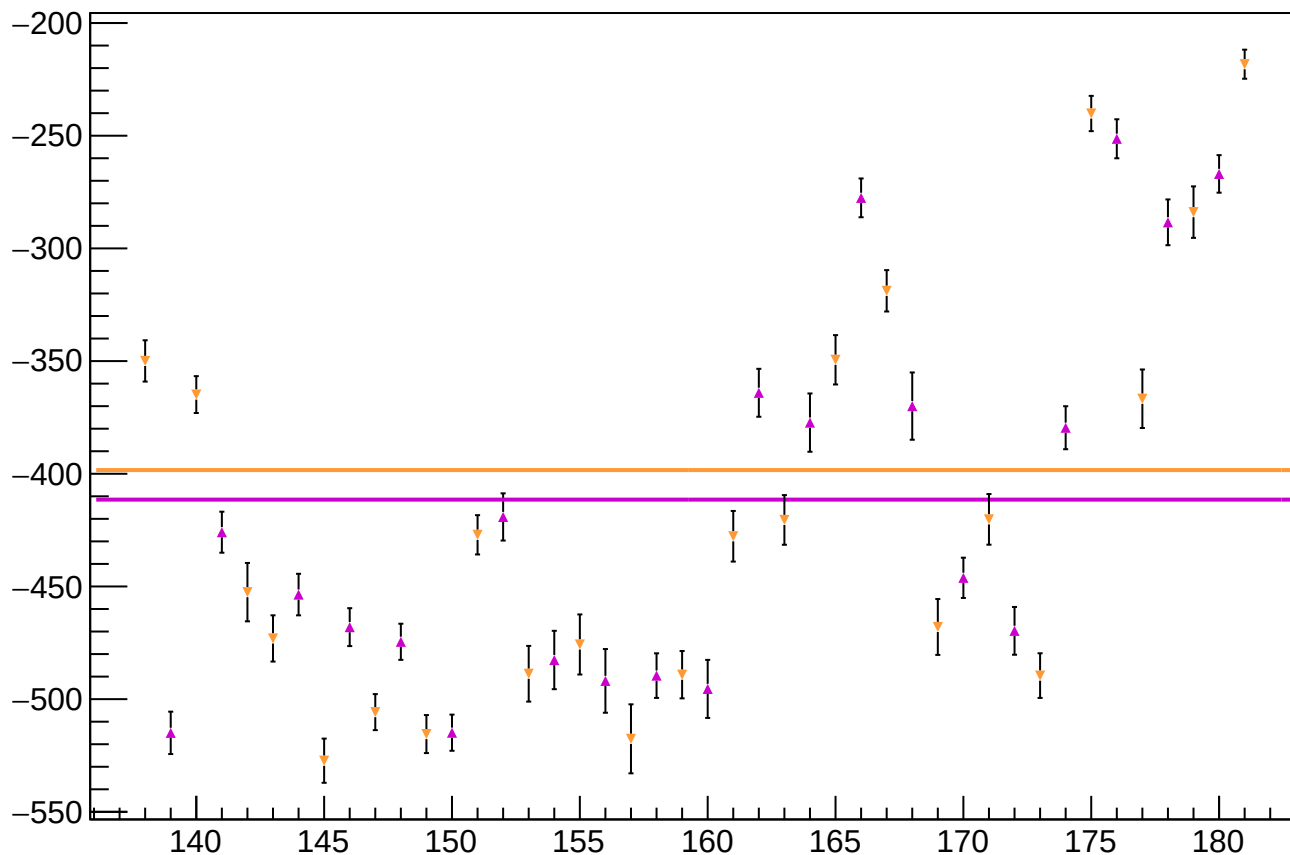
Right: -19.957 ± 0.041 χ^2/NDF : 131054.3/35

In: -19.570 ± 0.023 χ^2/NDF : 142199.2/37

Out: -19.953 ± 0.022 χ^2/NDF : 220231.9/41

All: -19.764 ± 0.016 χ^2/NDF : 362577.0/79

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -398.354+/-2.058 χ^2/NDF :2415.7/22

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

Left In: -411.468+/-2.135 χ^2/NDF :1709.1/20

Left: -404.672+/-1.482 χ^2/NDF : 4144.4/43

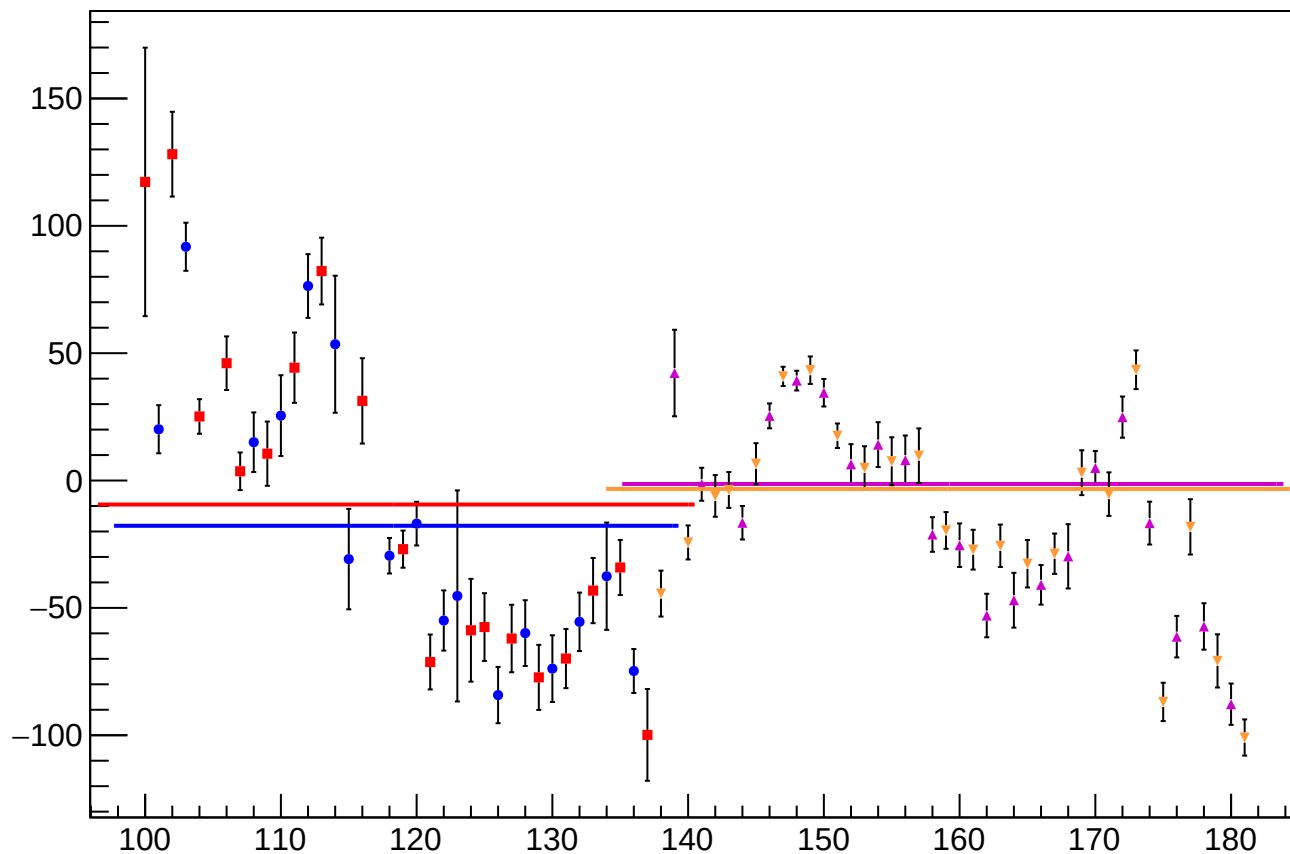
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -411.468+/-2.135 χ^2/NDF :1709.1/20

Out: -398.354+/-2.058 χ^2/NDF :2415.7/22

All: -404.672+/-1.482 χ^2/NDF : 4144.4/43

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -17.765 ± 2.781 χ^2/NDF : 363.9/16

Left Out: -3.293 ± 1.503 χ^2/NDF : 701.5/22

Right Out: -9.417 ± 2.613 χ^2/NDF : 369.6/18

Left In: -1.343 ± 1.567 χ^2/NDF : 522.2/20

Left: -2.358 ± 1.085 χ^2/NDF : 1224.5/43

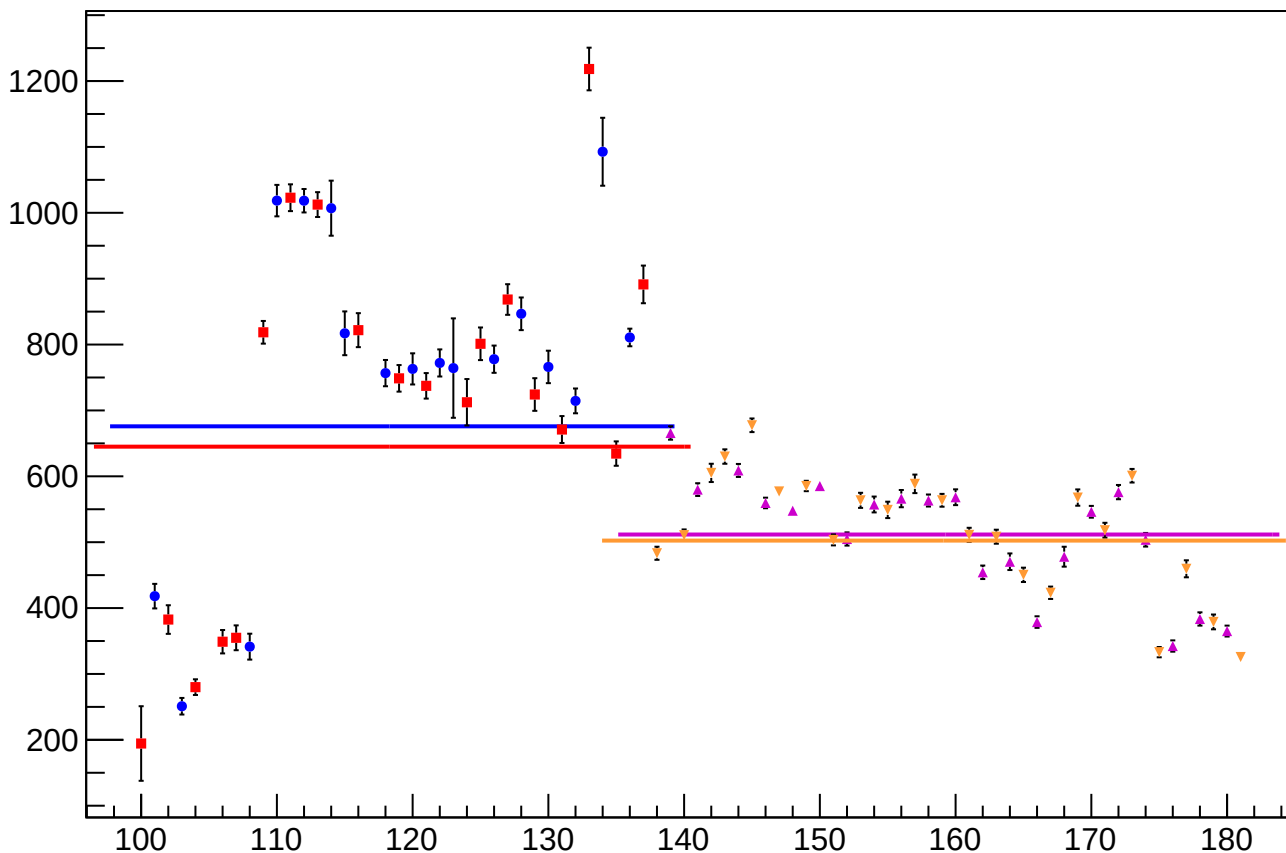
Right: -13.331 ± 1.905 χ^2/NDF : 738.2/35

In: -5.298 ± 1.365 χ^2/NDF : 912.5/37

Out: -4.815 ± 1.303 χ^2/NDF : 1075.3/41

All: -5.045 ± 0.942 χ^2/NDF : 1987.8/79

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 675.871+/-5.037 χ^2/NDF : 2586.4/16

Left Out: 502.437+/-2.050 χ^2/NDF : 2323.6/22

Right Out: 645.014+/-4.761 χ^2/NDF : 3123.3/18

Left In: 511.644+/-2.109 χ^2/NDF : 1810.5/20

Left: 506.910+/-1.470 χ^2/NDF : 4143.9/43

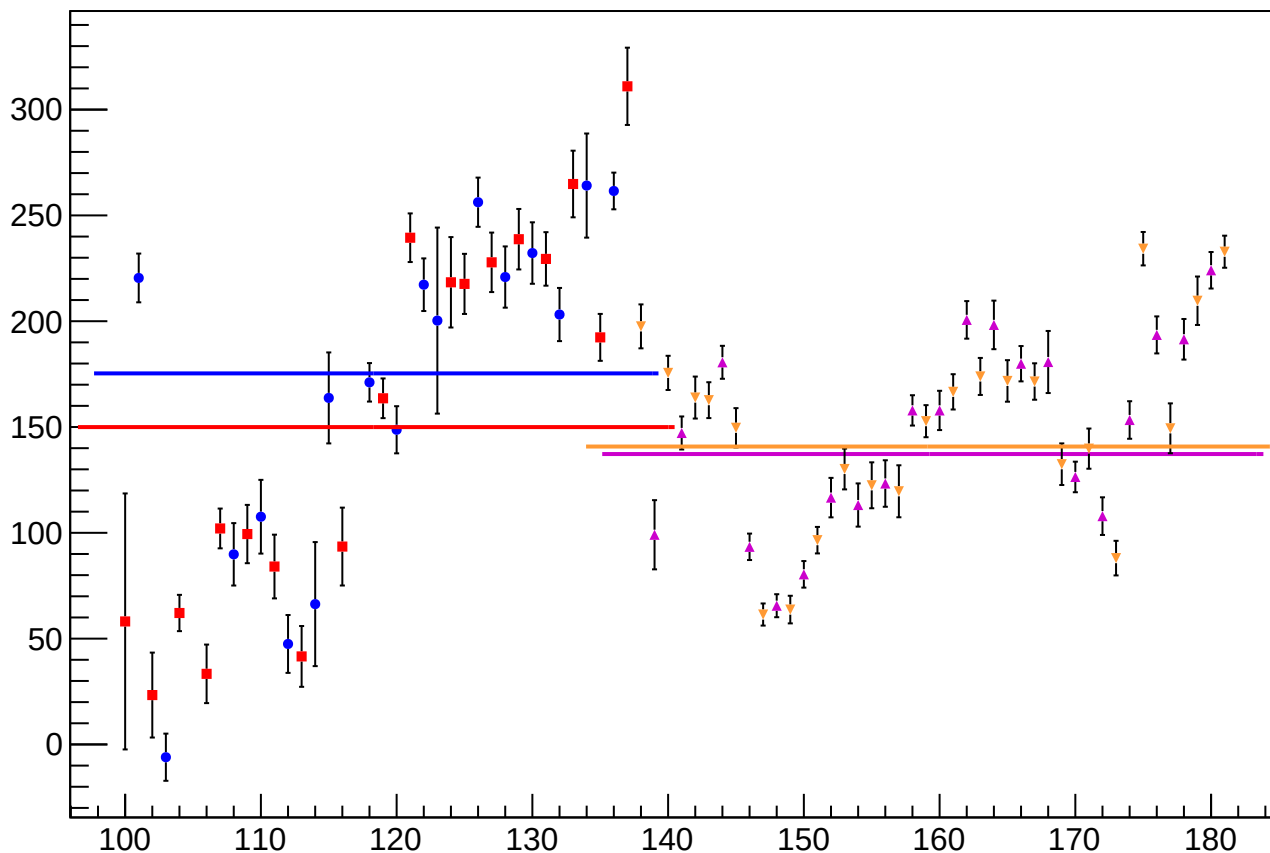
Right: 659.573+/-3.460 χ^2/NDF : 5729.5/35

In: 536.137+/-1.945 χ^2/NDF : 5301.3/37

Out: 524.731+/-1.883 χ^2/NDF : 6203.5/41

All: 530.247+/-1.353 χ^2/NDF : 11522.6/79

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: 140.777 $\pm$ 1.754 χ^2 /NDF:904.5/22

Right Out: 149.966 $\pm$ 3.045 χ^2 /NDF: 693.2/18

Left In: 137.230 $\pm$ 1.816 χ^2 /NDF:674.0/20

Left: 139.066 $\pm$ 1.262 χ^2 /NDF: 1580.4/43

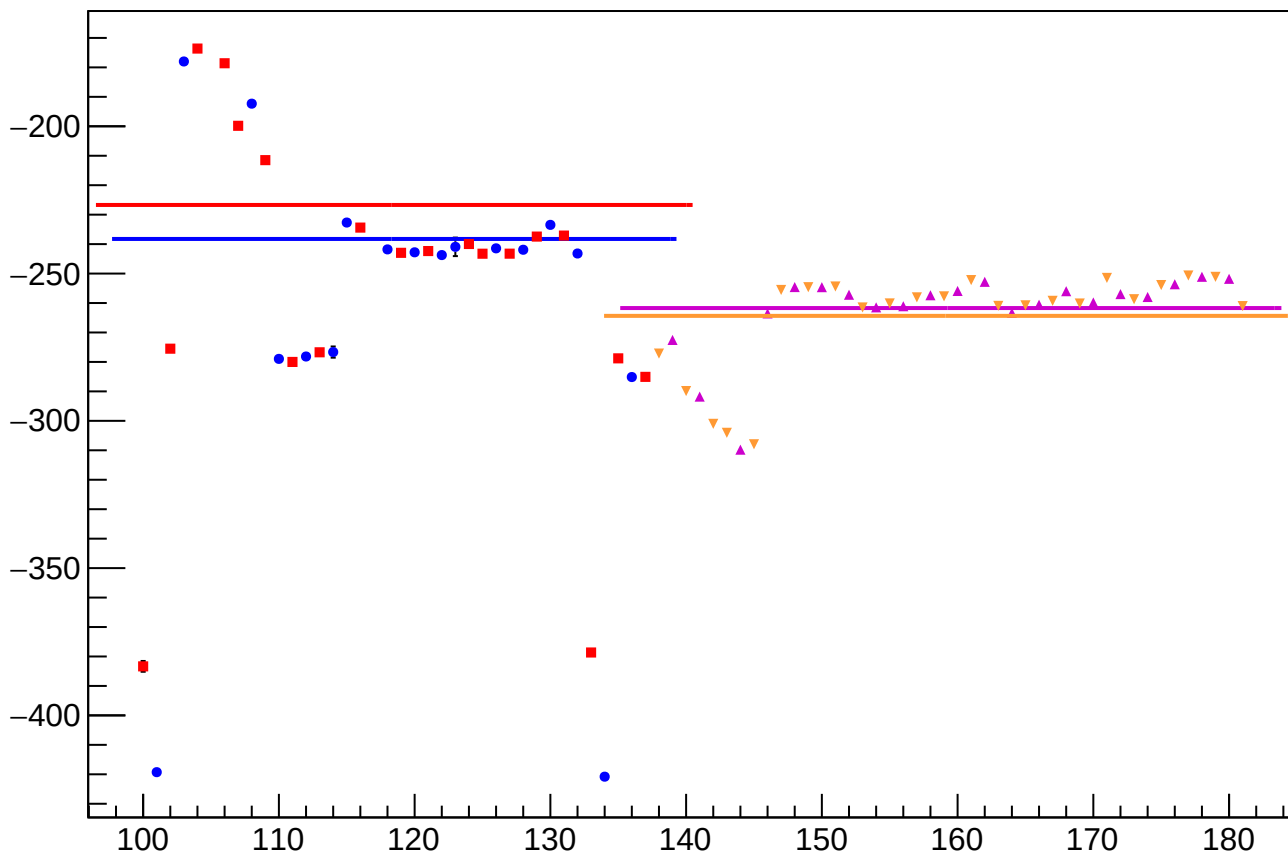
Right: 162.013 $\pm$ 2.207 χ^2 /NDF: 1364.6/35

In: 146.504 $\pm$ 1.580 χ^2 /NDF:1419.6/37

Out: 143.066 $\pm$ 1.520 χ^2 /NDF:1604.5/41

All: 144.718 $\pm$ 1.095 χ^2 /NDF: 3026.5/79

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.248+/-0.160 χ^2/NDF : 167125.9/16

Left Out: -264.359+/-0.084 χ^2/NDF : 37106.0/22

Right Out: -226.706+/-0.151 χ^2/NDF : 102831.3/18

Left In: -261.708+/-0.085 χ^2/NDF : 23152.2/20

Left: -263.047+/-0.060 χ^2/NDF : 60745.9/43

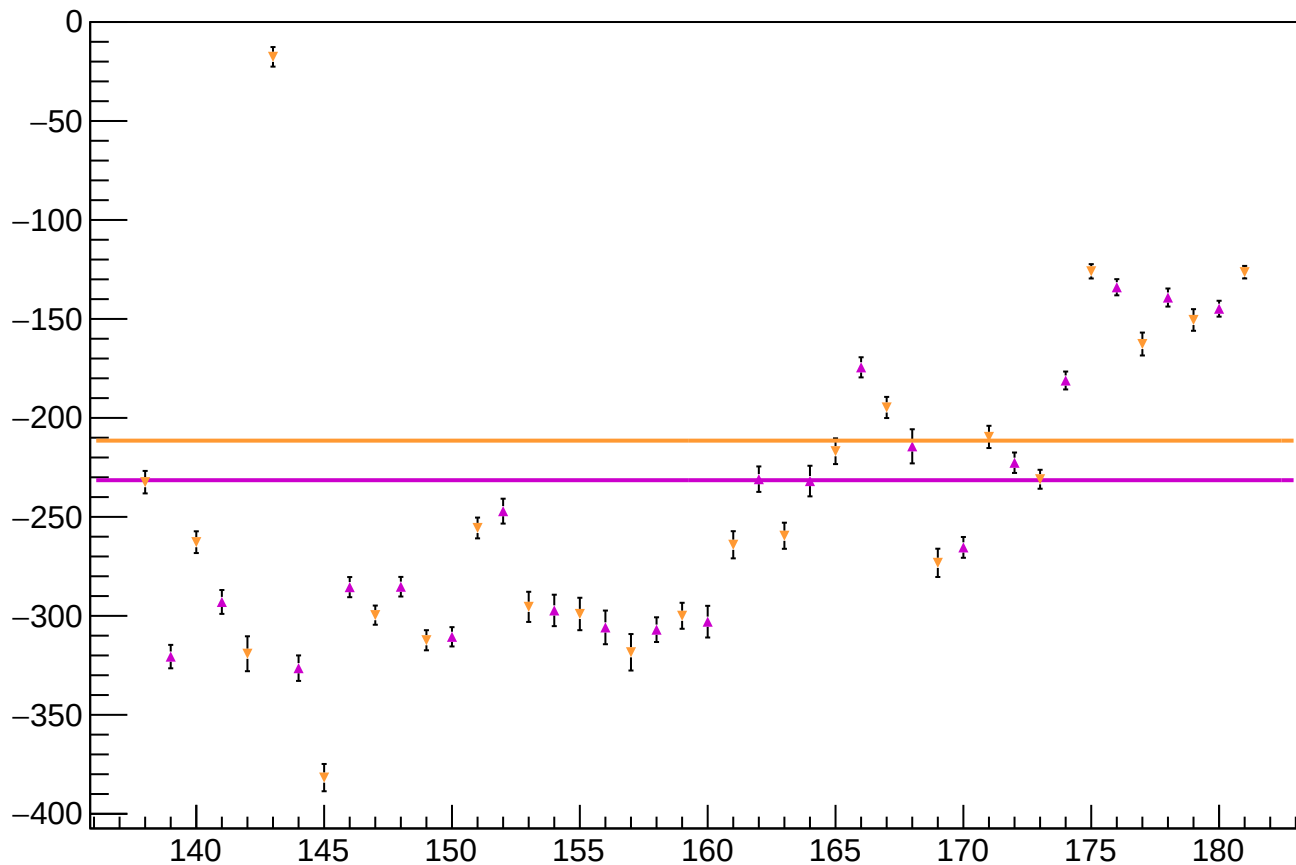
Right: -232.150+/-0.110 χ^2/NDF : 272709.4/35

In: -256.509+/-0.075 χ^2/NDF : 207028.8/37

Out: -255.398+/-0.074 χ^2/NDF : 187257.0/41

All: -255.942+/-0.053 χ^2/NDF : 394396.9/79

reg_asym_atl_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -211.477 $\pm$ 1.147 χ^2 /NDF:5432.8/22

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

Left In: -231.466 $\pm$ 1.209 χ^2 /NDF:3162.3/20

Left: -220.938 $\pm$ 0.832 χ^2 /NDF: 8739.0/43

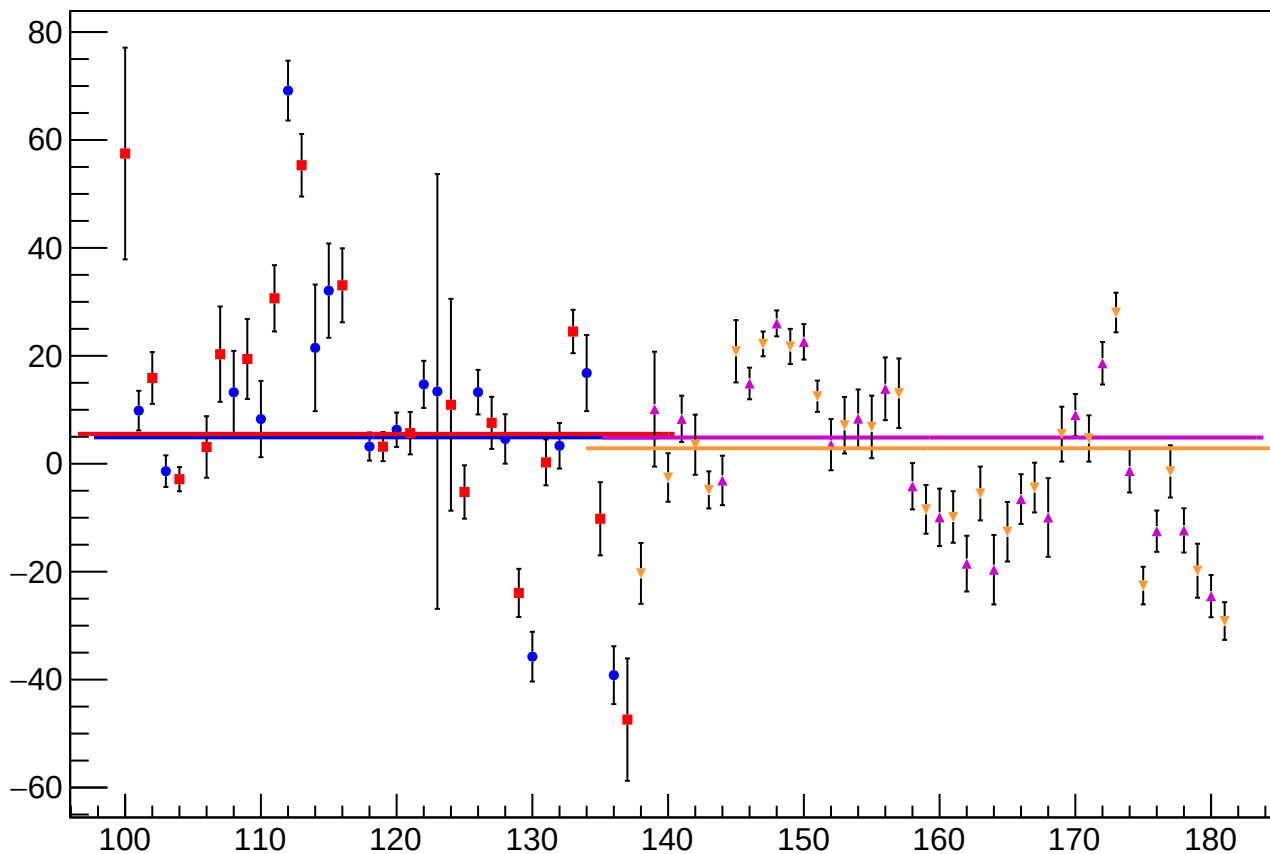
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -231.466 $\pm$ 1.209 χ^2 /NDF:3162.3/20

Out: -211.477 $\pm$ 1.147 χ^2 /NDF:5432.8/22

All: -220.938 $\pm$ 0.832 χ^2 /NDF: 8739.0/43

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.896 ± 1.089 χ^2/NDF : 312.0/16

Left Out: 2.865 ± 0.861 χ^2/NDF : 385.0/22

Right Out: 5.534 ± 1.071 χ^2/NDF : 239.1/18

Left In: 4.857 ± 0.911 χ^2/NDF : 293.1/20

Left: 3.805 ± 0.626 χ^2/NDF : 680.6/43

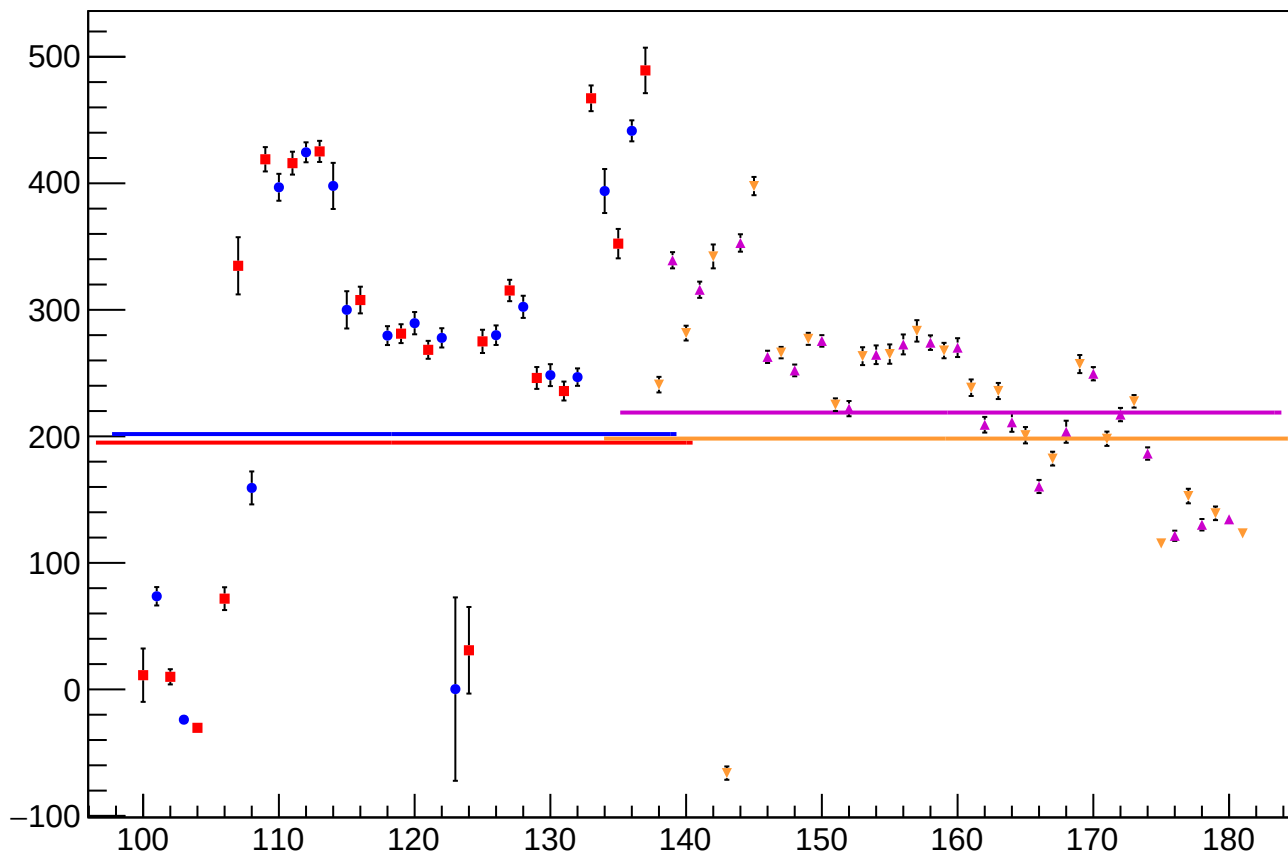
Right: 5.220 ± 0.764 χ^2/NDF : 551.3/35

In: 4.873 ± 0.699 χ^2/NDF : 605.0/37

Out: 3.912 ± 0.671 χ^2/NDF : 627.9/41

All: 4.373 ± 0.484 χ^2/NDF : 1233.9/79

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: 198.247 $\pm$ 1.145 χ^2 /NDF: 6087.2/22

Right Out: 195.053 $\pm$ 1.924 χ^2 /NDF: 8257.1/18

Left In: 218.818 $\pm$ 1.198 χ^2 /NDF: 3095.1/20

Left: 208.069 $\pm$ 0.828 χ^2 /NDF: 9336.4/43

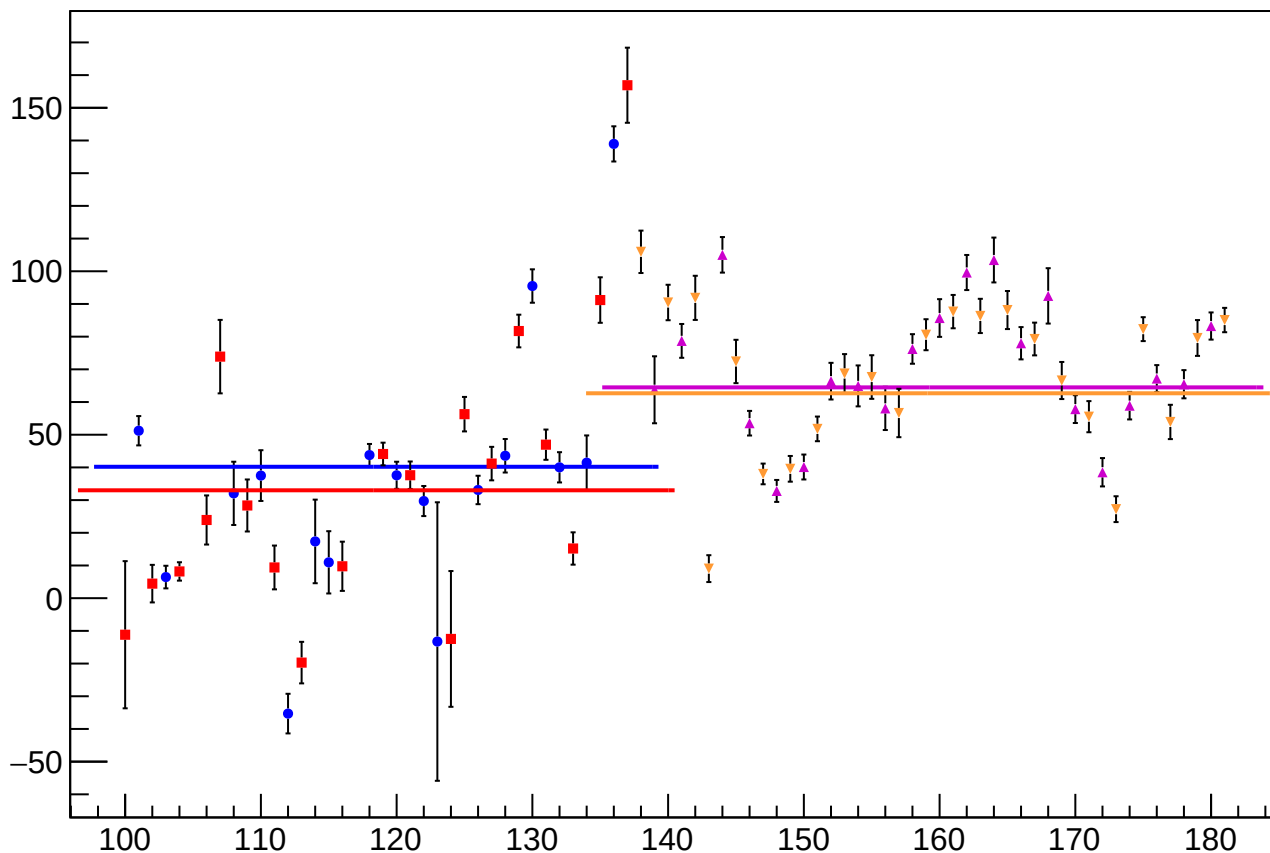
Right: 198.351 $\pm$ 1.377 χ^2 /NDF: 15017.4/35

In: 214.229 $\pm$ 1.023 χ^2 /NDF: 9903.7/37

Out: 197.412 $\pm$ 0.984 χ^2 /NDF: 14346.3/41

All: 205.489 $\pm$ 0.709 χ^2 /NDF: 24390.3/79

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: 62.677+/-0.995 χ^2/NDF :617.3/22

Right Out: 32.999+/-1.253 χ^2/NDF : 554.1/18

Left In: 64.484+/-1.046 χ^2/NDF :377.2/20

Left: 63.536+/-0.721 χ^2/NDF : 996.0/43

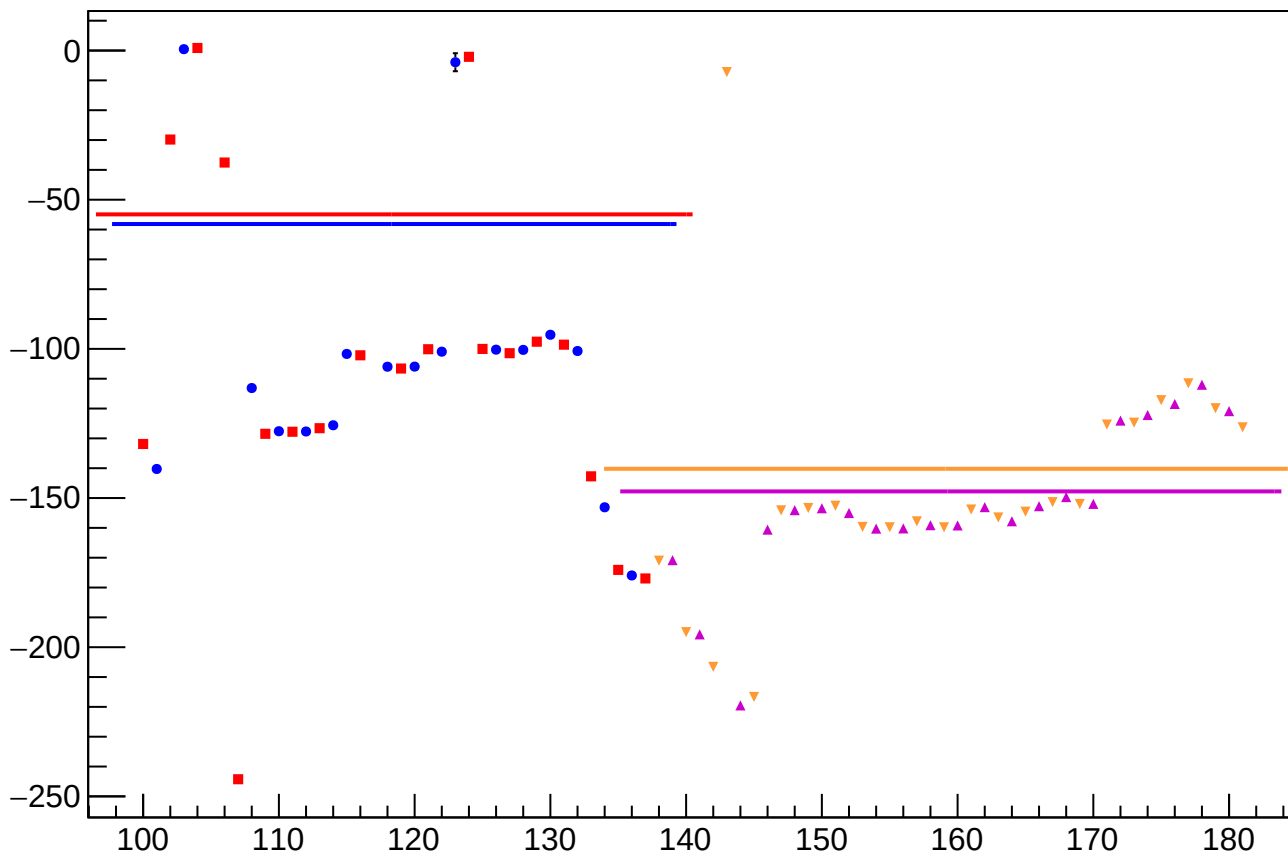
Right: 36.555+/-0.891 χ^2/NDF : 1305.3/35

In: 54.647+/-0.807 χ^2/NDF :1330.6/37

Out: 51.195+/-0.779 χ^2/NDF :1515.6/41

All: 52.861+/-0.560 χ^2/NDF : 2855.6/79

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -58.155 ± 0.062 $\chi^2/\text{NDF}: 1105509.3/16$

Left Out: -140.192 ± 0.048 $\chi^2/\text{NDF}: 669507.9/22$

Right Out: -54.914 ± 0.060 $\chi^2/\text{NDF}: 1003885.5/18$

Left In: -147.778 ± 0.049 $\chi^2/\text{NDF}: 227814.7/20$

Left: -143.888 ± 0.034 $\chi^2/\text{NDF}: 909703.5/43$

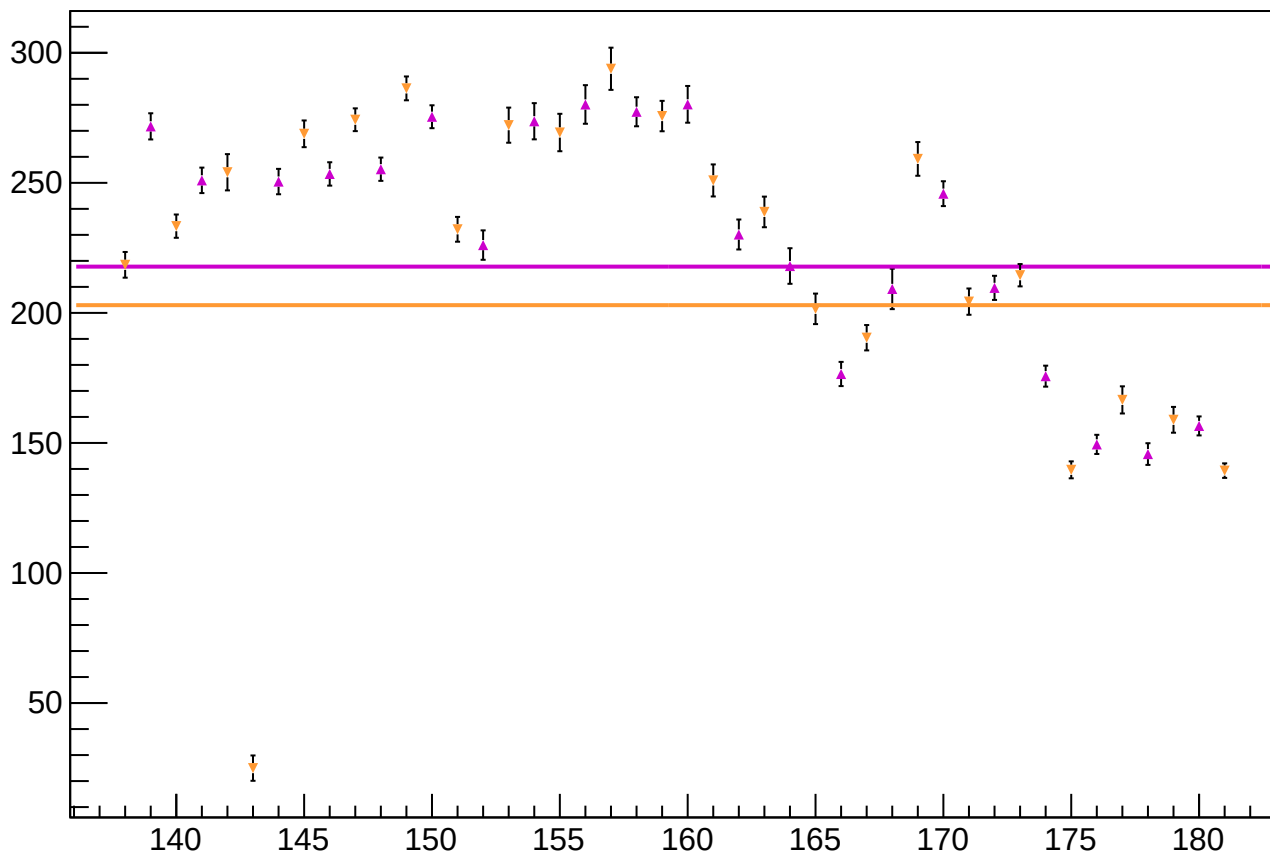
Right: -56.499 ± 0.043 $\chi^2/\text{NDF}: 2110811.0/35$

In: -113.190 ± 0.038 $\chi^2/\text{NDF}: 2634283.7/37$

Out: -107.410 ± 0.037 $\chi^2/\text{NDF}: 2907837.4/41$

All: -110.230 ± 0.027 $\chi^2/\text{NDF}: 5553812.2/79$

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 202.972+/-1.019 χ^2/NDF :3922.8/22

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

Left In: 217.793+/-1.073 χ^2/NDF :1994.4/20

Left: 209.997+/-0.739 χ^2/NDF : 6017.6/43

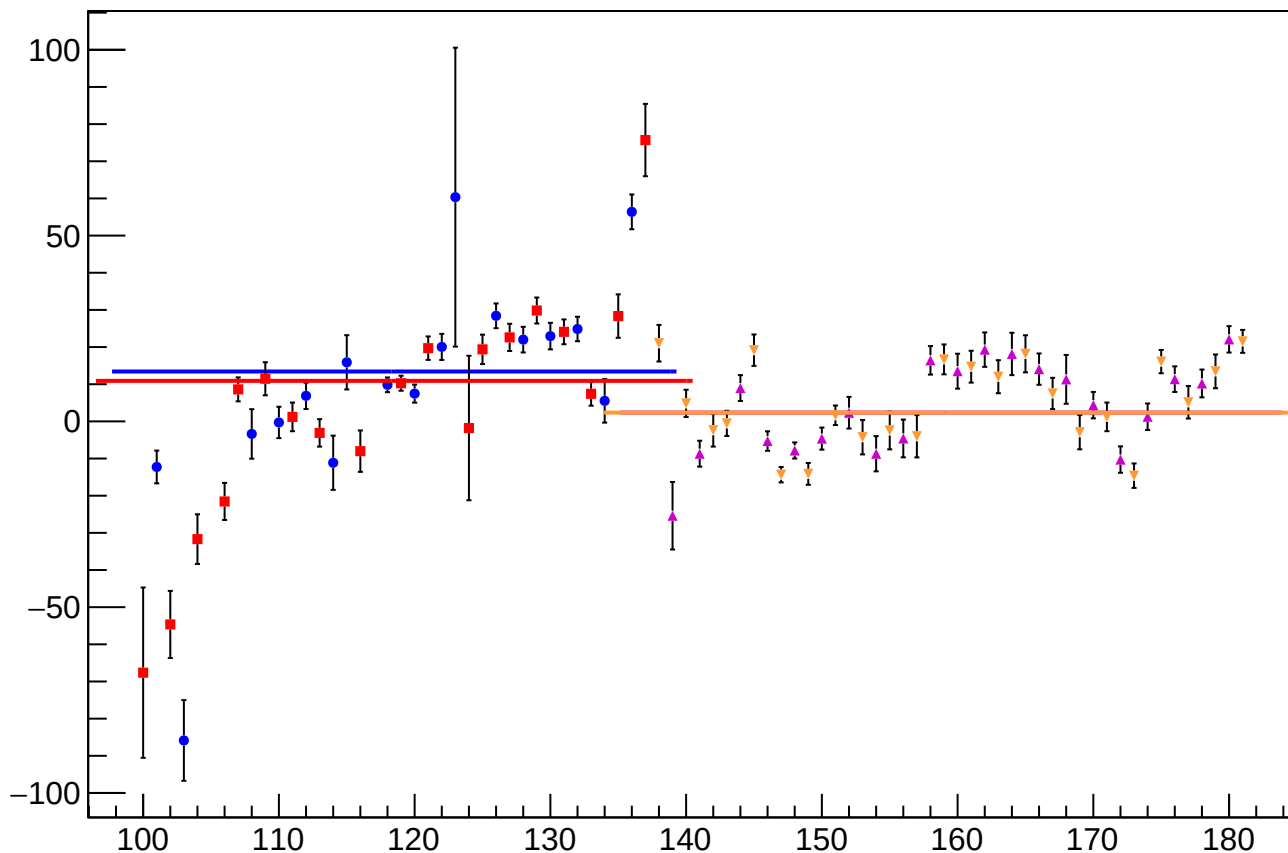
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 217.793+/-1.073 χ^2/NDF :1994.4/20

Out: 202.972+/-1.019 χ^2/NDF :3922.8/22

All: 209.997+/-0.739 χ^2/NDF : 6017.6/43

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: 2.356+/-0.768 χ^2/NDF :262.4/22

Right Out: 10.908+/-0.916 χ^2/NDF : 302.6/18

Left In: 2.369+/-0.809 χ^2/NDF :171.1/20

Left: 2.362+/-0.557 χ^2/NDF : 433.5/43

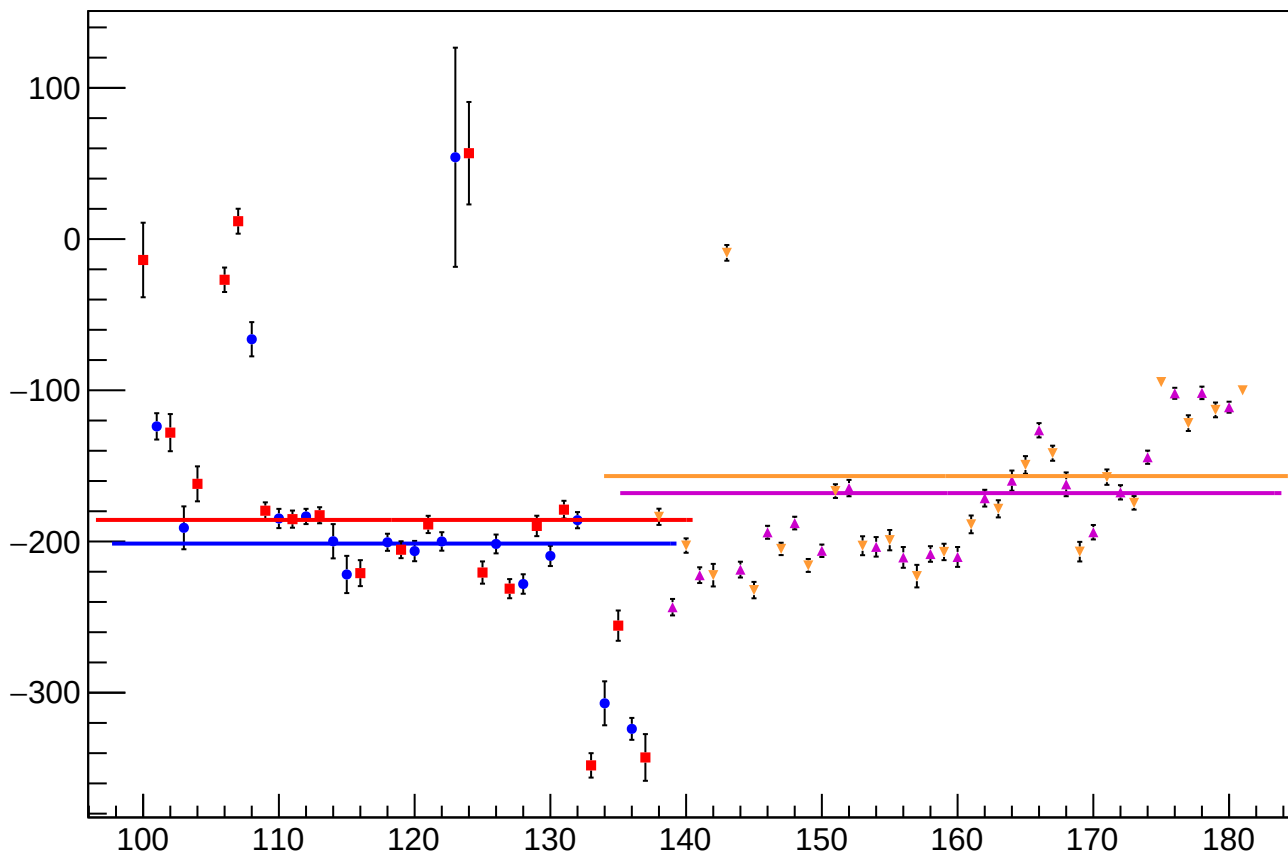
Right: 12.160+/-0.649 χ^2/NDF : 601.6/35

In: 7.192+/-0.607 χ^2/NDF :547.8/37

Out: 5.885+/-0.588 χ^2/NDF :616.2/41

All: 6.518+/-0.423 χ^2/NDF : 1166.4/79

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: -156.738 ± 1.019 χ^2/NDF : 2788.8/22

Right Out: -185.739 ± 1.700 χ^2/NDF : 1749.3/18

Left In: -168.004 ± 1.064 χ^2/NDF : 1677.0/20

Left: -162.123 ± 0.736 χ^2/NDF : 4524.3/43

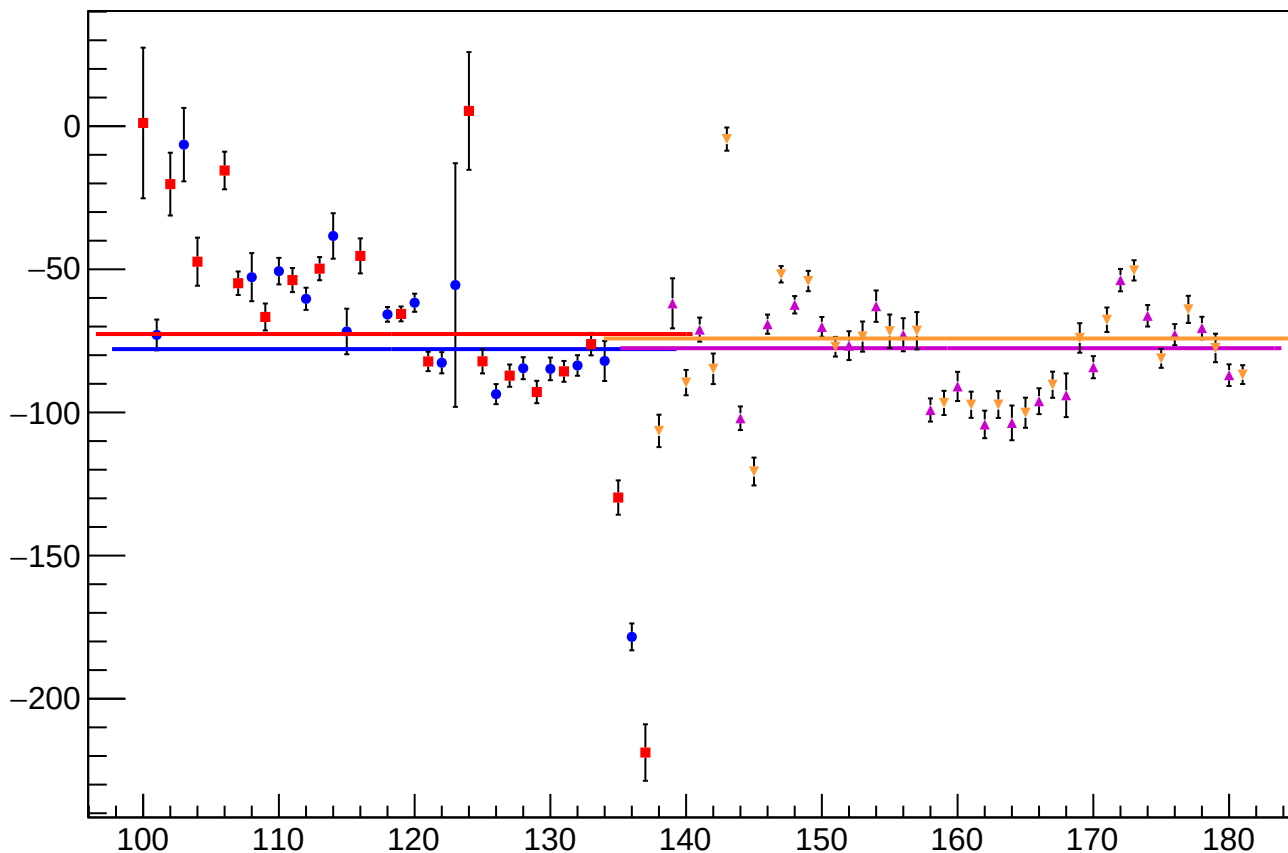
Right: -193.204 ± 1.229 χ^2/NDF : 2413.2/35

In: -176.800 ± 0.913 χ^2/NDF : 2559.7/37

Out: -164.398 ± 0.874 χ^2/NDF : 4752.2/41

All: -170.324 ± 0.631 χ^2/NDF : 7408.1/79

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: -74.160 ± 0.887 χ^2/NDF : 717.6/22

Right Out: -72.612 ± 1.054 χ^2/NDF : 606.9/18

Left In: -77.560 ± 0.929 χ^2/NDF : 250.5/20

Left: -75.781 ± 0.641 χ^2/NDF : 975.1/43

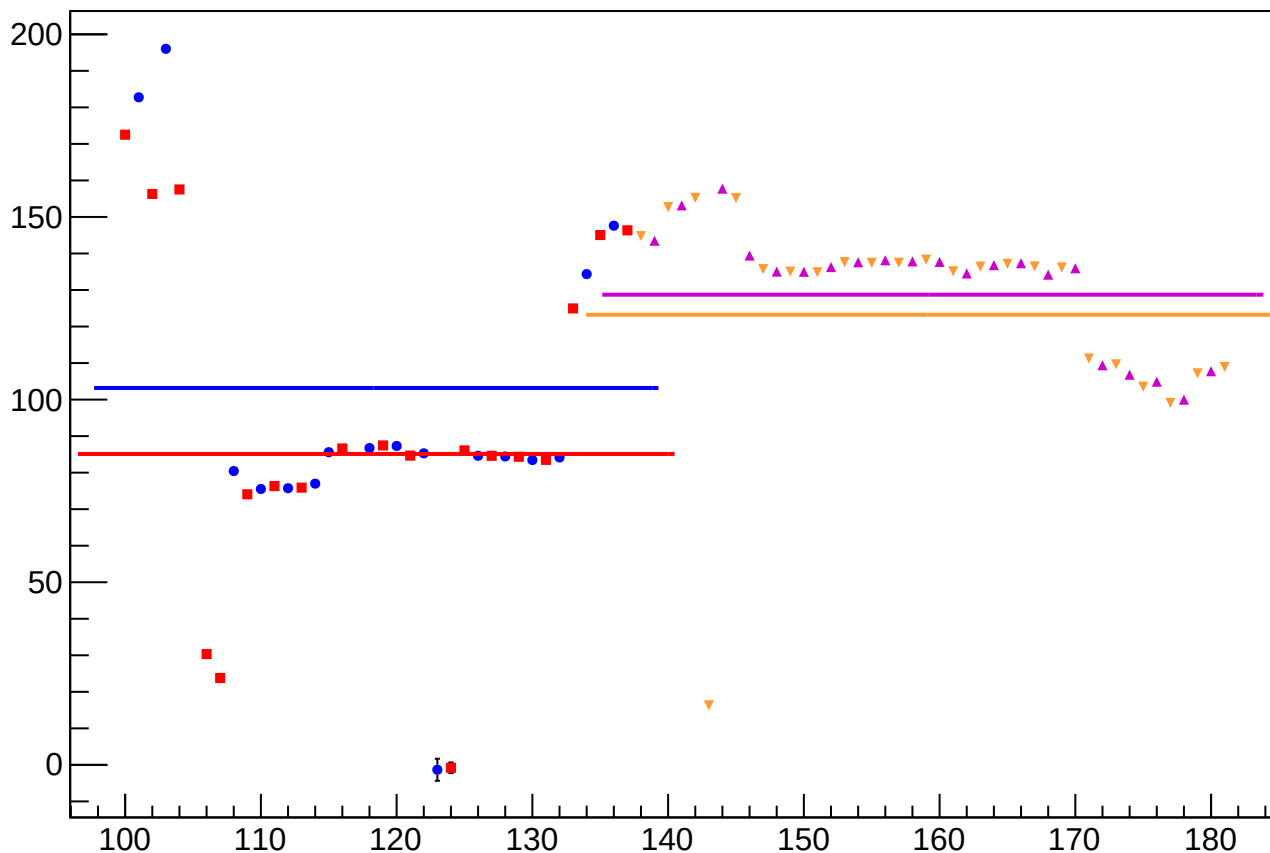
Right: -75.215 ± 0.749 χ^2/NDF : 1277.4/35

In: -77.697 ± 0.700 χ^2/NDF : 908.7/37

Out: -73.518 ± 0.679 χ^2/NDF : 1325.8/41

All: -75.542 ± 0.487 χ^2/NDF : 2252.8/79

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: 123.222 $\pm$ 0.042 χ^2 /NDF: 429117.6/22

Right Out: 85.121 $\pm$ 0.064 χ^2 /NDF: 423521.4/18

Left In: 128.720 $\pm$ 0.043 χ^2 /NDF: 142848.0/20

Left: 125.906 $\pm$ 0.030 χ^2 /NDF: 580209.4/43

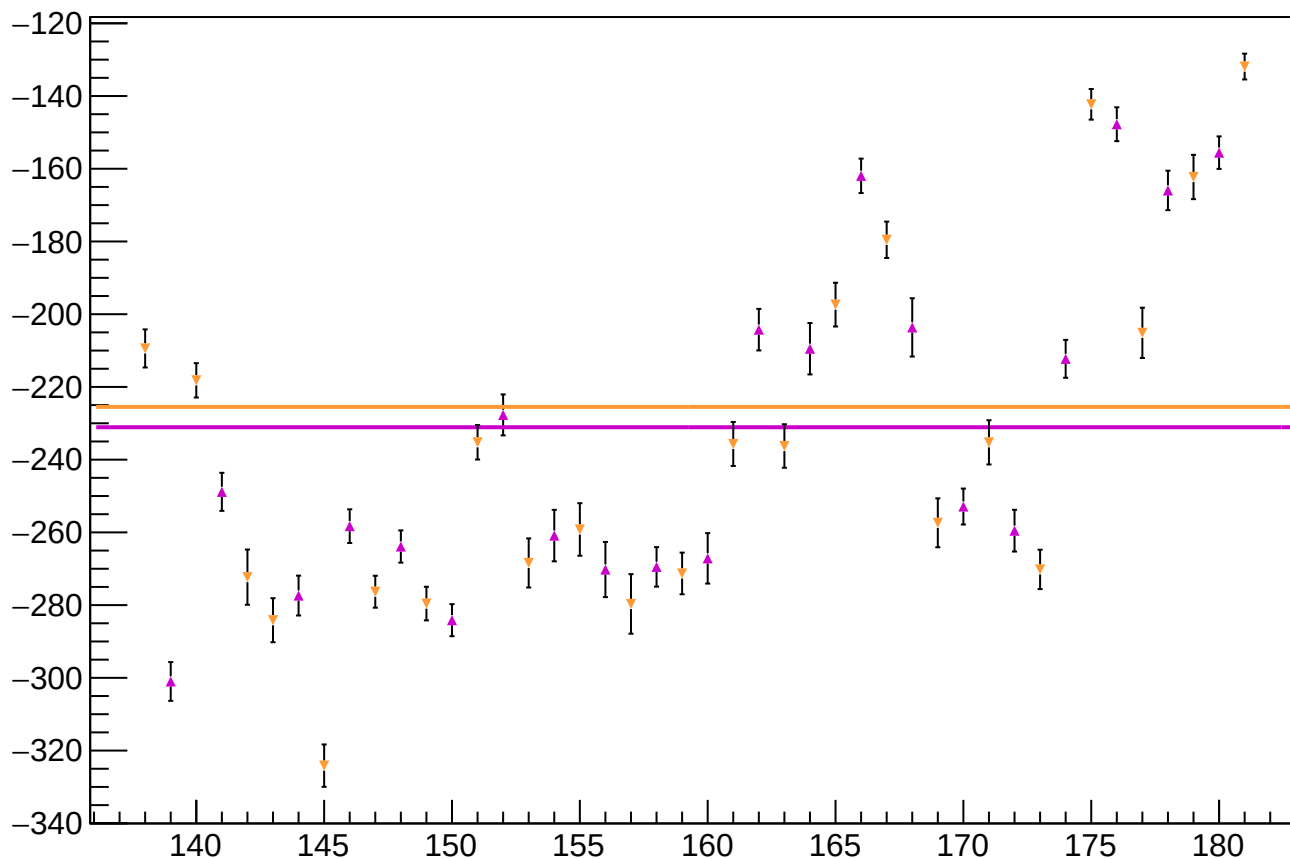
Right: 93.266 $\pm$ 0.047 χ^2 /NDF: 733347.5/35

In: 121.698 $\pm$ 0.037 χ^2 /NDF: 511970.5/37

Out: 111.563 $\pm$ 0.035 χ^2 /NDF: 1100726.2/41

All: 116.401 $\pm$ 0.025 χ^2 /NDF: 1652156.8/79

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: -225.487+/-1.136 χ^2/NDF :2285.1/22

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

Left In: -231.084+/-1.173 χ^2/NDF :1673.5/20

Left: -228.195+/-0.816 χ^2/NDF : 3970.4/43

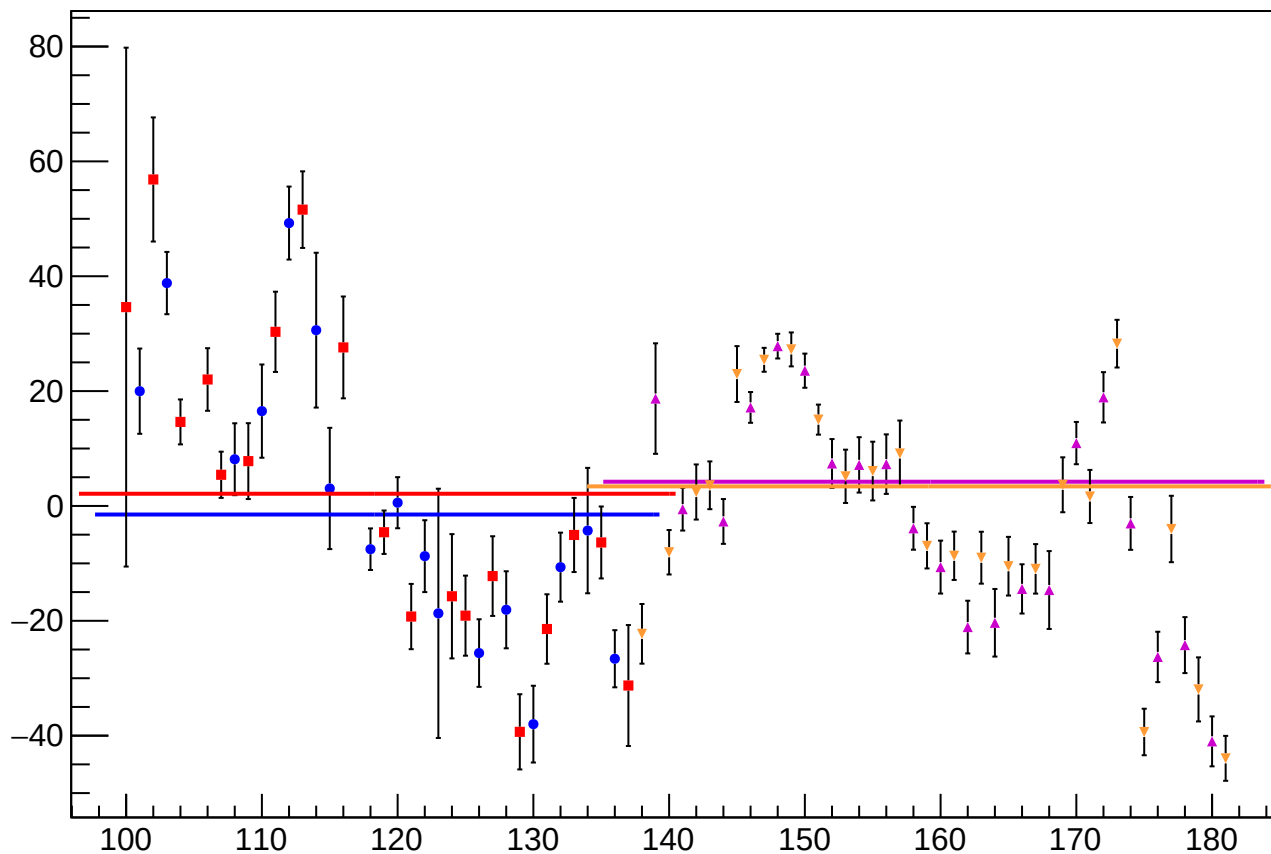
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -231.084+/-1.173 χ^2/NDF :1673.5/20

Out: -225.487+/-1.136 χ^2/NDF :2285.1/22

All: -228.195+/-0.816 χ^2/NDF : 3970.4/43

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: 3.409 ± 0.830 χ^2/NDF : 624.9/22

Right Out: 2.127 ± 1.402 χ^2/NDF : 232.6/18

Left In: 4.218 ± 0.862 χ^2/NDF : 491.8/20

Left: 3.798 ± 0.598 χ^2/NDF : 1117.2/43

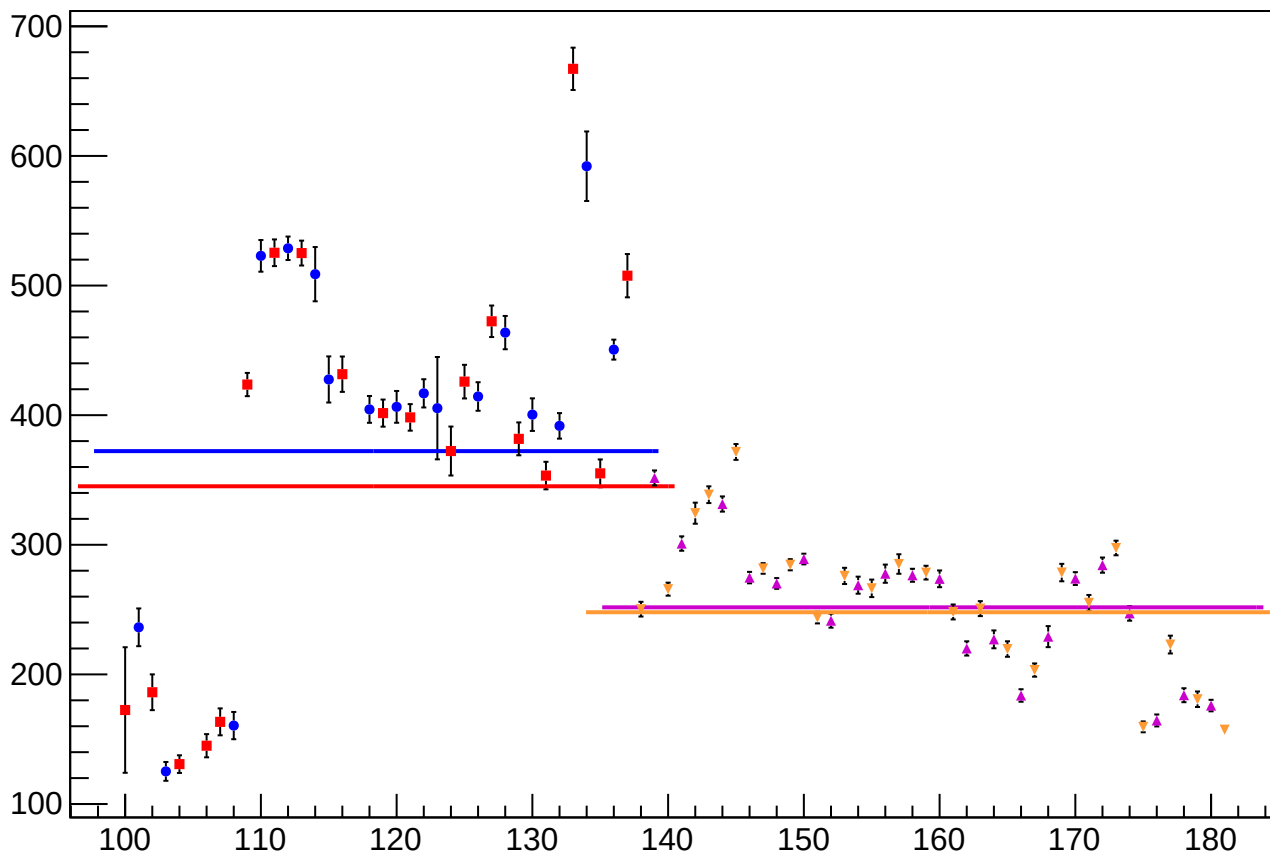
Right: 0.455 ± 1.029 χ^2/NDF : 461.8/35

In: 2.818 ± 0.749 χ^2/NDF : 728.6/37

Out: 3.076 ± 0.714 χ^2/NDF : 858.2/41

All: 2.954 ± 0.517 χ^2/NDF : 1586.9/79

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 372.263 $\pm$ 2.759 χ^2 /NDF: 2433.1/16

Left Out: 247.966 $\pm$ 1.129 χ^2 /NDF:2317.4/22

Right Out: 345.135 $\pm$ 2.562 χ^2 /NDF: 3416.5/18

Left In: 251.751 $\pm$ 1.157 χ^2 /NDF:1862.3/20

Left: 249.811 $\pm$ 0.808 χ^2 /NDF: 4185.2/43

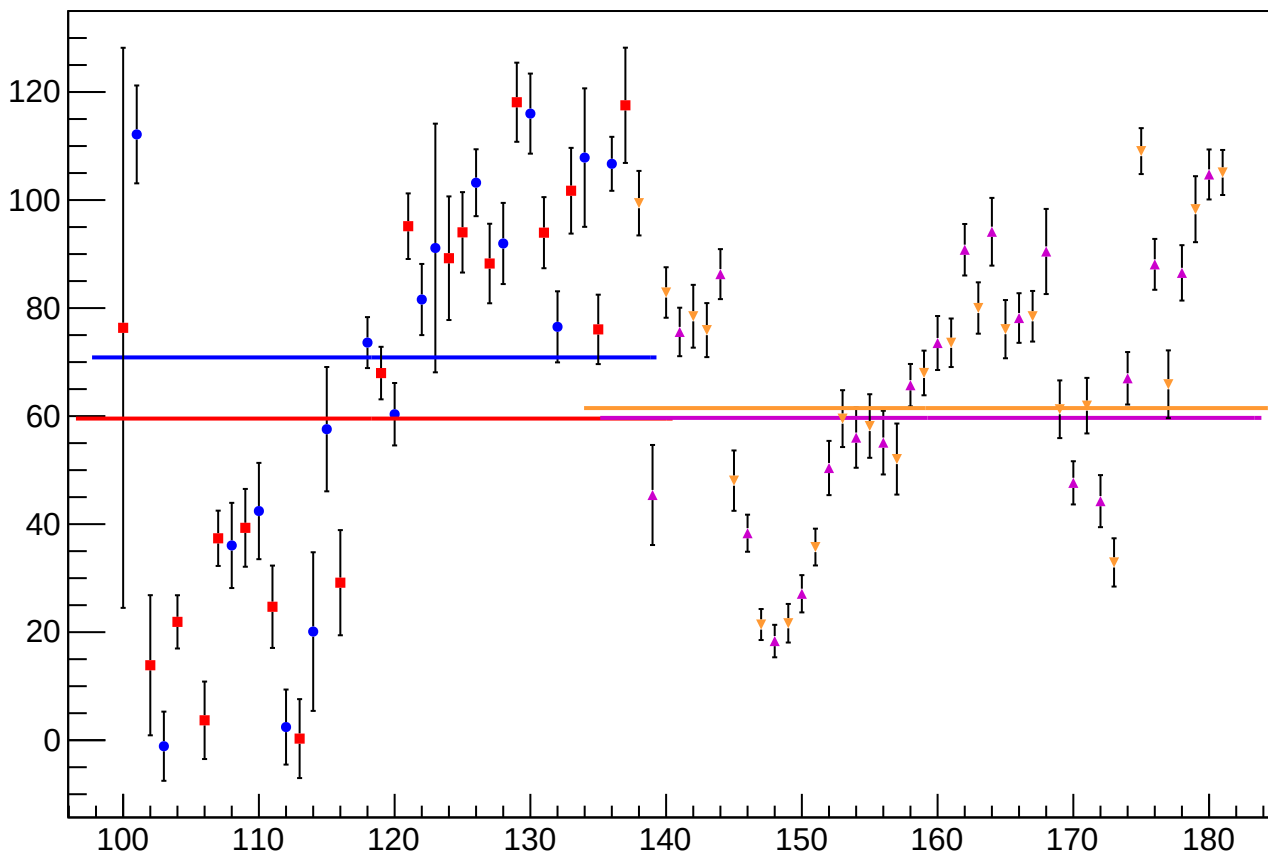
Right: 357.695 $\pm$ 1.878 χ^2 /NDF: 5901.5/35

In: 269.780 $\pm$ 1.067 χ^2 /NDF:5917.4/37

Out: 263.760 $\pm$ 1.033 χ^2 /NDF:6938.4/41

All: 266.672 $\pm$ 0.742 χ^2 /NDF: 12872.2/79

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: 61.486 $\pm$ 0.967 χ^2 /NDF:820.4/22

Right Out: 59.546 $\pm$ 1.633 χ^2 /NDF: 490.9/18

Left In: 59.670 $\pm$ 0.998 χ^2 /NDF:663.6/20

Left: 60.607 $\pm$ 0.695 χ^2 /NDF: 1485.8/43

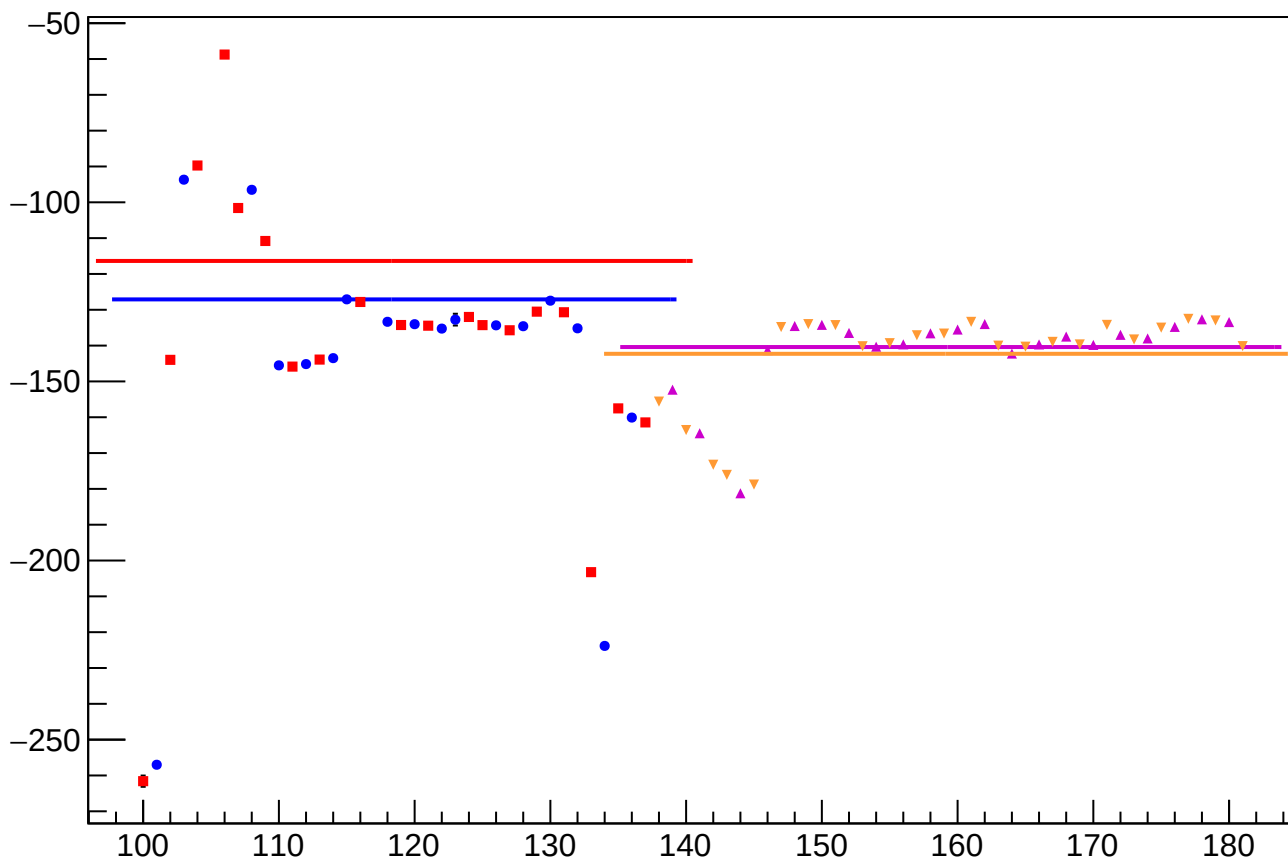
Right: 64.838 $\pm$ 1.192 χ^2 /NDF: 940.3/35

In: 62.436 $\pm$ 0.866 χ^2 /NDF:1121.7/37

Out: 60.983 $\pm$ 0.832 χ^2 /NDF:1312.4/41

All: 61.680 $\pm$ 0.600 χ^2 /NDF: 2435.5/79

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -127.105 $\pm$ 0.089 χ^2 /NDF: 167064.7/16

Left Out: -142.292 $\pm$ 0.046 χ^2 /NDF: 76169.2/22

Right Out: -116.369 $\pm$ 0.083 χ^2 /NDF: 167595.6/18

Left In: -140.401 $\pm$ 0.047 χ^2 /NDF: 47861.7/20

Left: -141.354 $\pm$ 0.033 χ^2 /NDF: 124851.8/43

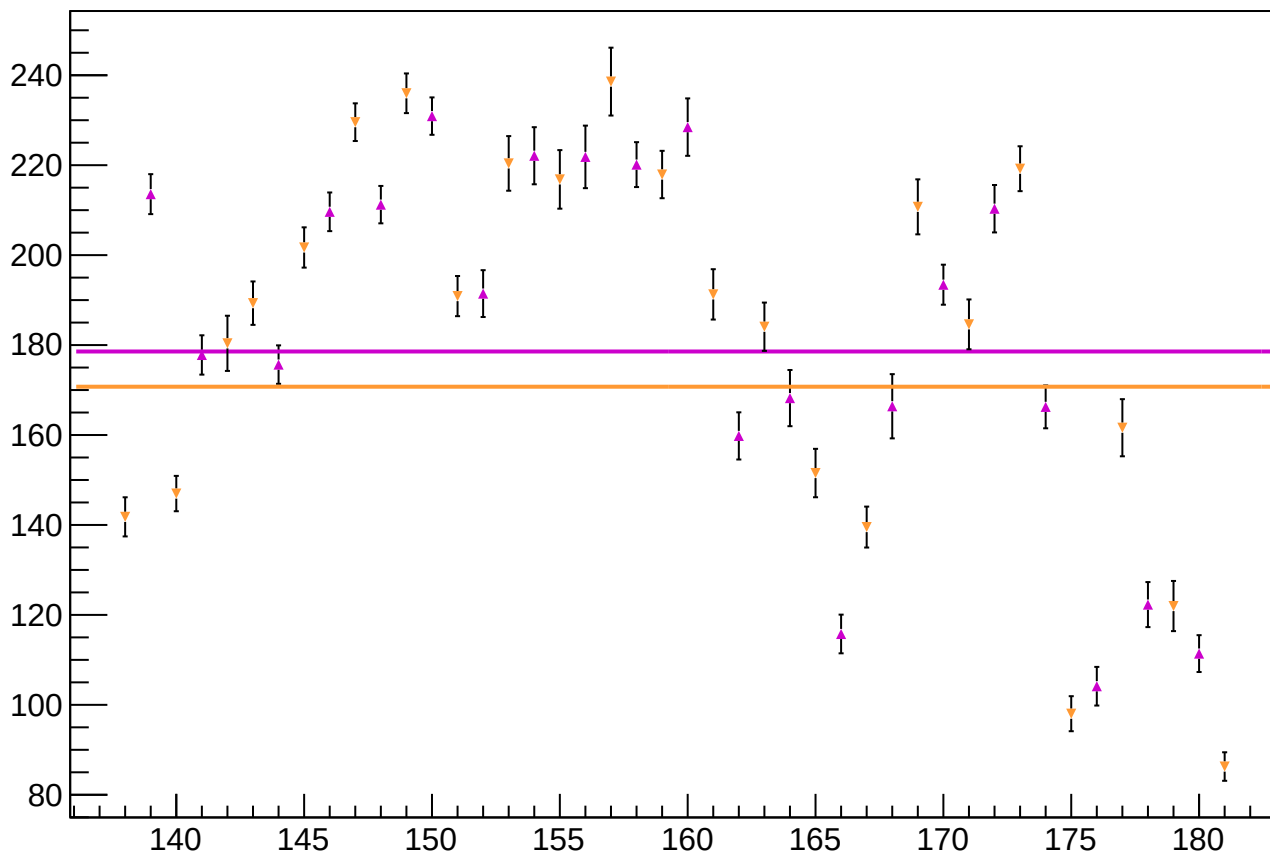
Right: -121.332 $\pm$ 0.061 χ^2 /NDF: 342408.2/35

In: -137.539 $\pm$ 0.041 χ^2 /NDF: 232273.5/37

Out: -136.095 $\pm$ 0.041 χ^2 /NDF: 318128.4/41

All: -136.800 $\pm$ 0.029 χ^2 /NDF: 551022.3/79

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 170.741+/-1.015 χ^2/NDF :2219.3/22

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

Left In: 178.573+/-1.057 χ^2/NDF :1538.1/20

Left: 174.496+/-0.732 χ^2/NDF : 3786.0/43

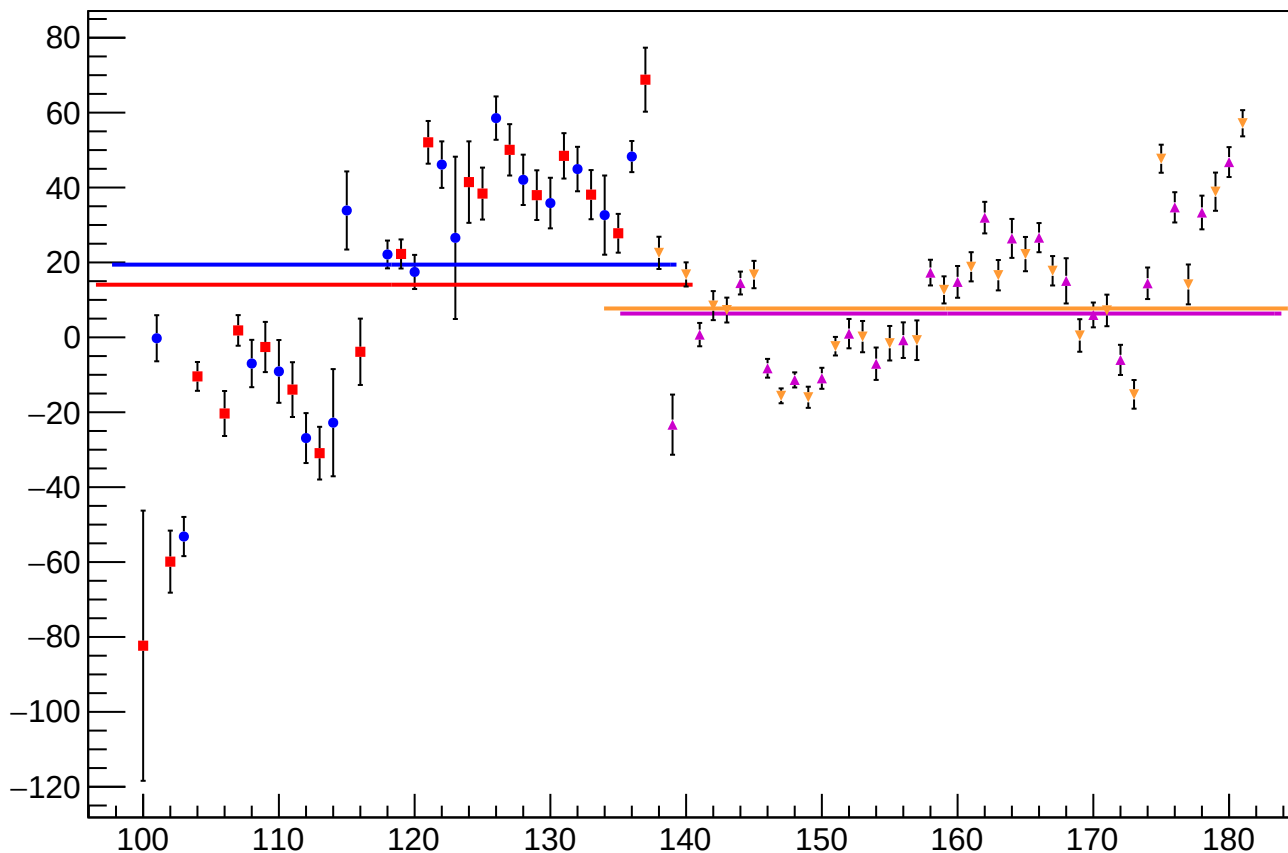
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 178.573+/-1.057 χ^2/NDF :1538.1/20

Out: 170.741+/-1.015 χ^2/NDF :2219.3/22

All: 174.496+/-0.732 χ^2/NDF : 3786.0/43

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.416 ± 1.480 χ^2/NDF : 441.1/16

Left Out: 7.708 ± 0.749 χ^2/NDF : 683.6/22

Right Out: 14.055 ± 1.392 χ^2/NDF : 436.5/18

Left In: 6.351 ± 0.783 χ^2/NDF : 483.1/20

Left: 7.060 ± 0.541 χ^2/NDF : 1168.3/43

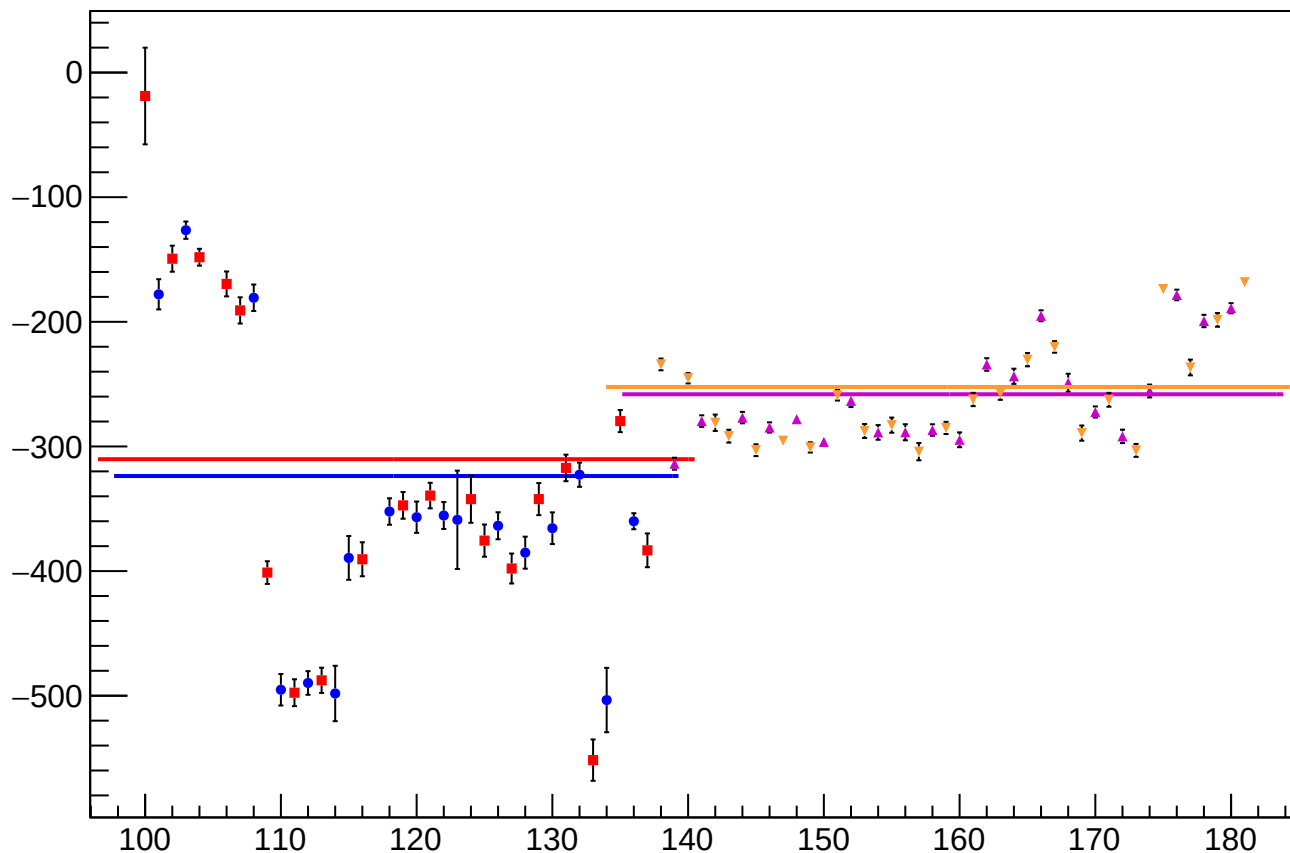
Right: 16.572 ± 1.014 χ^2/NDF : 884.6/35

In: 9.210 ± 0.692 χ^2/NDF : 985.1/37

Out: 9.132 ± 0.659 χ^2/NDF : 1136.3/41

All: 9.169 ± 0.477 χ^2/NDF : 2121.4/79

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: -252.287 ± 1.013 χ^2/NDF : 2003.2/22

Right Out: -310.223 ± 2.523 χ^2/NDF : 2300.0/18

Left In: -258.116 ± 1.047 χ^2/NDF : 1528.1/20

Left: -255.107 ± 0.728 χ^2/NDF : 3547.3/43

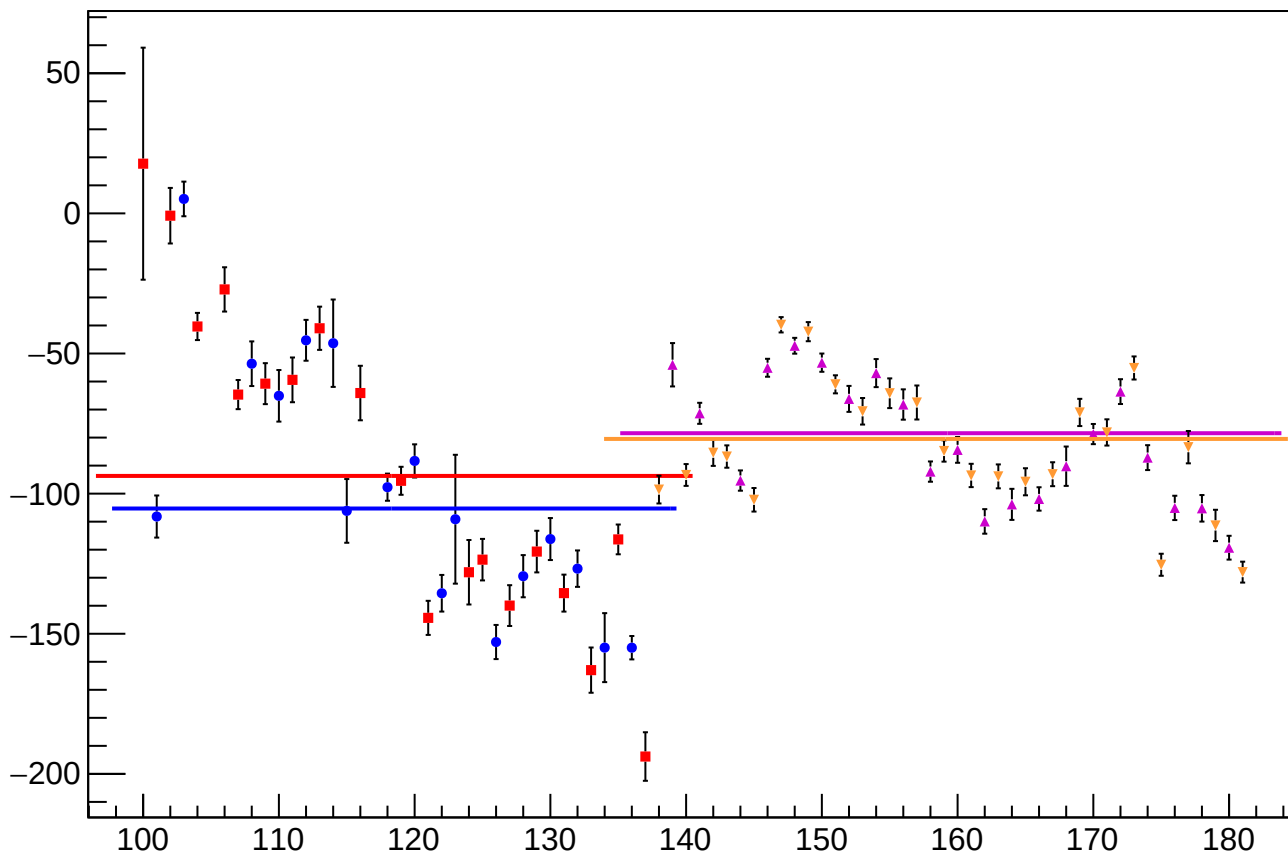
Right: -316.595 ± 1.833 χ^2/NDF : 4164.2/35

In: -266.868 ± 0.974 χ^2/NDF : 3902.8/37

Out: -260.337 ± 0.940 χ^2/NDF : 4757.2/41

All: -263.486 ± 0.677 χ^2/NDF : 8683.3/79

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: -80.478 ± 0.871 χ^2/NDF : 861.5/22

Right Out: -93.680 ± 1.612 χ^2/NDF : 826.5/18

Left In: -78.437 ± 0.905 χ^2/NDF : 600.0/20

Left: -79.498 ± 0.627 χ^2/NDF : 1464.1/43

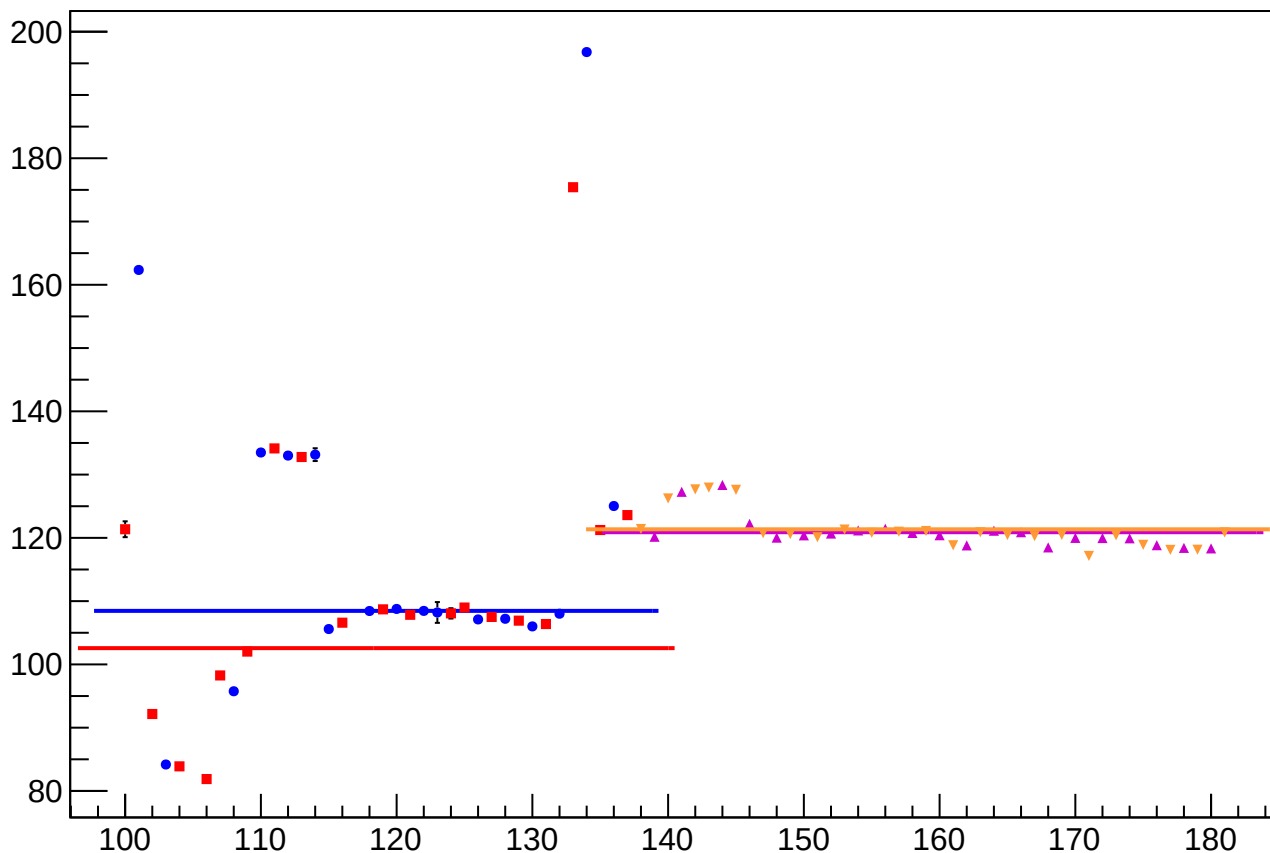
Right: -99.207 ± 1.167 χ^2/NDF : 1588.8/35

In: -84.410 ± 0.798 χ^2/NDF : 1533.4/37

Out: -83.460 ± 0.766 χ^2/NDF : 1739.9/41

All: -83.915 ± 0.553 χ^2/NDF : 3274.0/79

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 108.461 $\pm$ 0.085 χ^2/NDF : 73302.1/16

Left Out: 121.353 $\pm$ 0.042 χ^2/NDF : 4720.7/22

Right Out: 102.570 $\pm$ 0.079 χ^2/NDF : 53143.8/18

Left In: 120.893 $\pm$ 0.042 χ^2/NDF : 3322.3/20

Left: 121.126 $\pm$ 0.030 χ^2/NDF : 8102.9/43

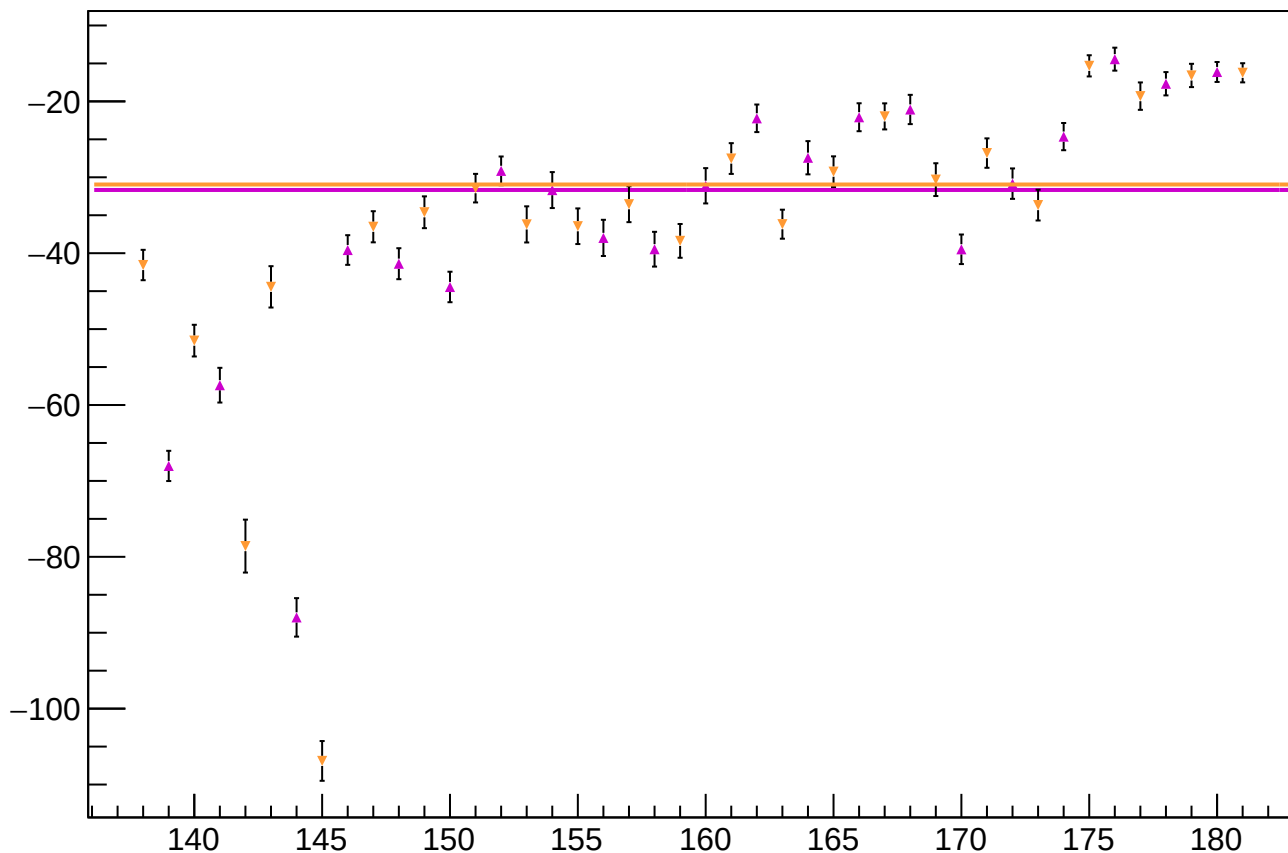
Right: 105.327 $\pm$ 0.058 χ^2/NDF : 129018.0/35

In: 118.412 $\pm$ 0.038 χ^2/NDF : 93861.8/37

Out: 117.303 $\pm$ 0.037 χ^2/NDF : 101691.1/41

All: 117.843 $\pm$ 0.026 χ^2/NDF : 195993.7/79

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: -30.951 ± 0.407 χ^2/NDF : 1645.5/22

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -31.671 ± 0.419 χ^2/NDF : 1525.6/20

Left: -31.301 ± 0.292 χ^2/NDF : 3172.7/43

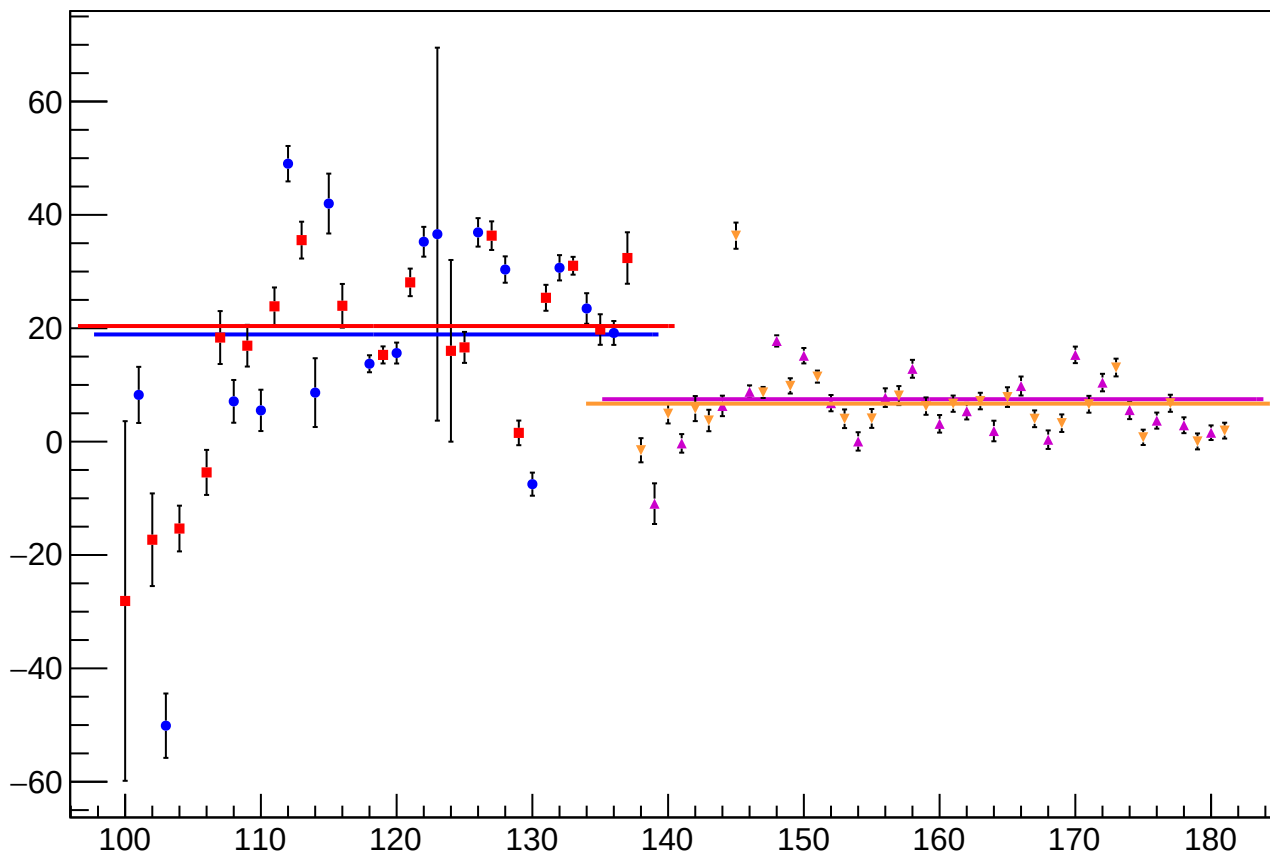
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -31.671 ± 0.419 χ^2/NDF : 1525.6/20

Out: -30.951 ± 0.407 χ^2/NDF : 1645.5/22

All: -31.301 ± 0.292 χ^2/NDF : 3172.7/43

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.906 ± 0.644 χ^2/NDF : 618.9/16

Left Out: 6.700 ± 0.312 χ^2/NDF : 297.2/22

Right Out: 20.390 ± 0.644 χ^2/NDF : 365.3/18

Left In: 7.483 ± 0.324 χ^2/NDF : 336.0/20

Left: 7.077 ± 0.225 χ^2/NDF : 636.2/43

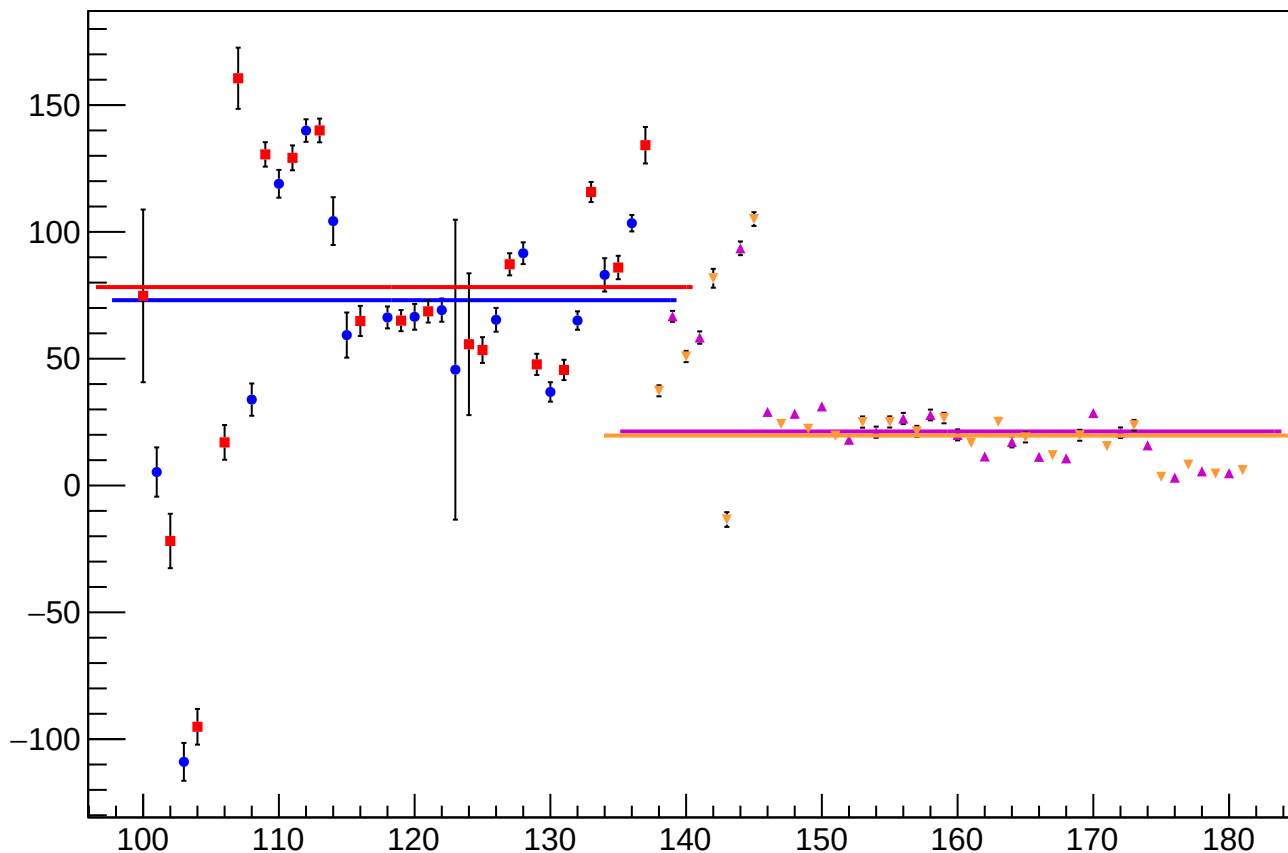
Right: 19.648 ± 0.455 χ^2/NDF : 986.9/35

In: 9.792 ± 0.289 χ^2/NDF : 1206.3/37

Out: 9.306 ± 0.281 χ^2/NDF : 1028.6/41

All: 9.542 ± 0.202 χ^2/NDF : 2236.4/79

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: 19.691 $\pm$ 0.404 χ^2 /NDF:2118.6/22

Right Out: 78.241 $\pm$ 1.223 χ^2 /NDF: 1542.7/18

Left In: 21.313 $\pm$ 0.414 χ^2 /NDF:1990.3/20

Left: 20.483 $\pm$ 0.289 χ^2 /NDF: 4116.8/43

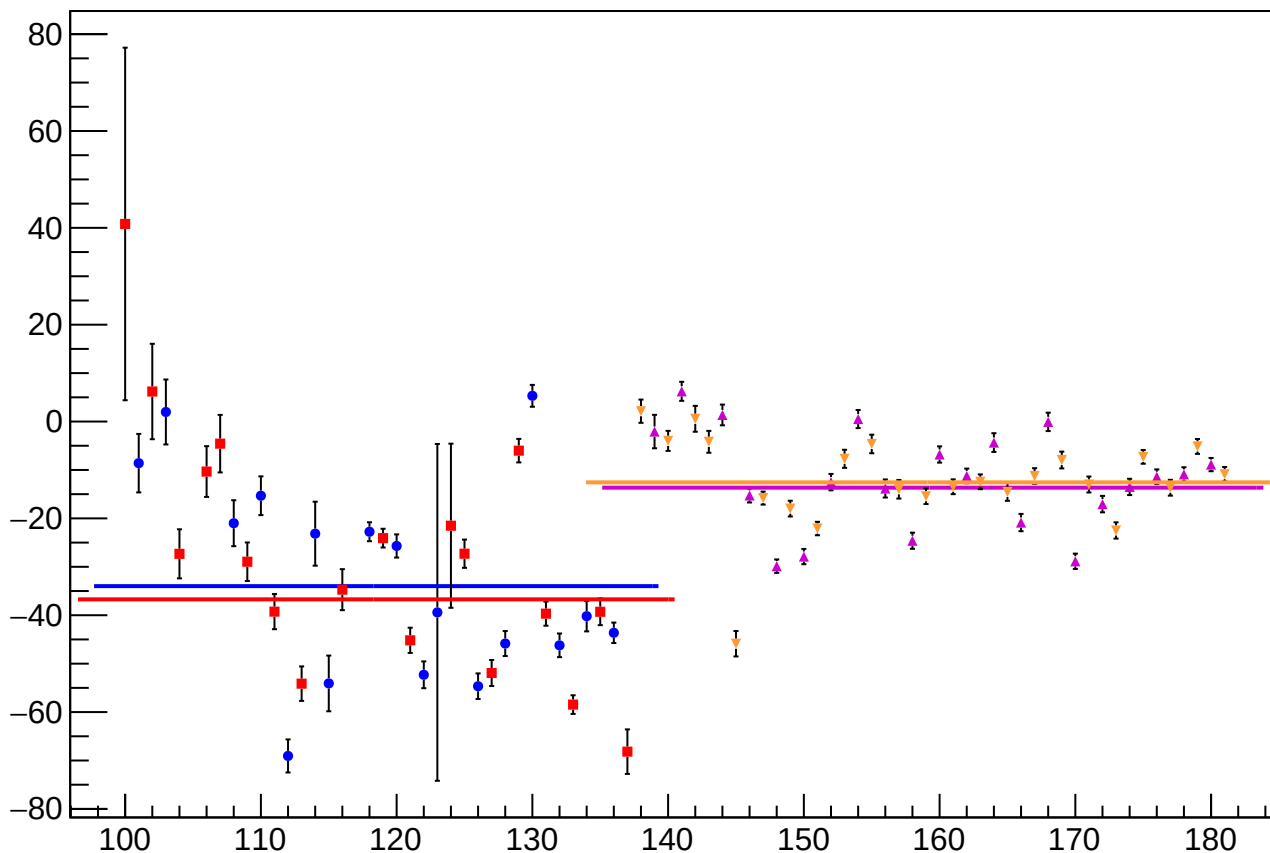
Right: 75.667 $\pm$ 0.866 χ^2 /NDF: 2751.5/35

In: 26.594 $\pm$ 0.392 χ^2 /NDF:4785.9/37

Out: 25.463 $\pm$ 0.384 χ^2 /NDF:5728.8/41

All: 26.016 $\pm$ 0.274 χ^2 /NDF: 10518.9/79

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.991 ± 0.736 χ^2/NDF : 719.8/16

Left Out: -12.558 ± 0.356 χ^2/NDF : 427.9/22

Right Out: -36.719 ± 0.737 χ^2/NDF : 542.9/18

Left In: -13.656 ± 0.367 χ^2/NDF : 707.3/20

Left: -13.090 ± 0.256 χ^2/NDF : 1139.8/43

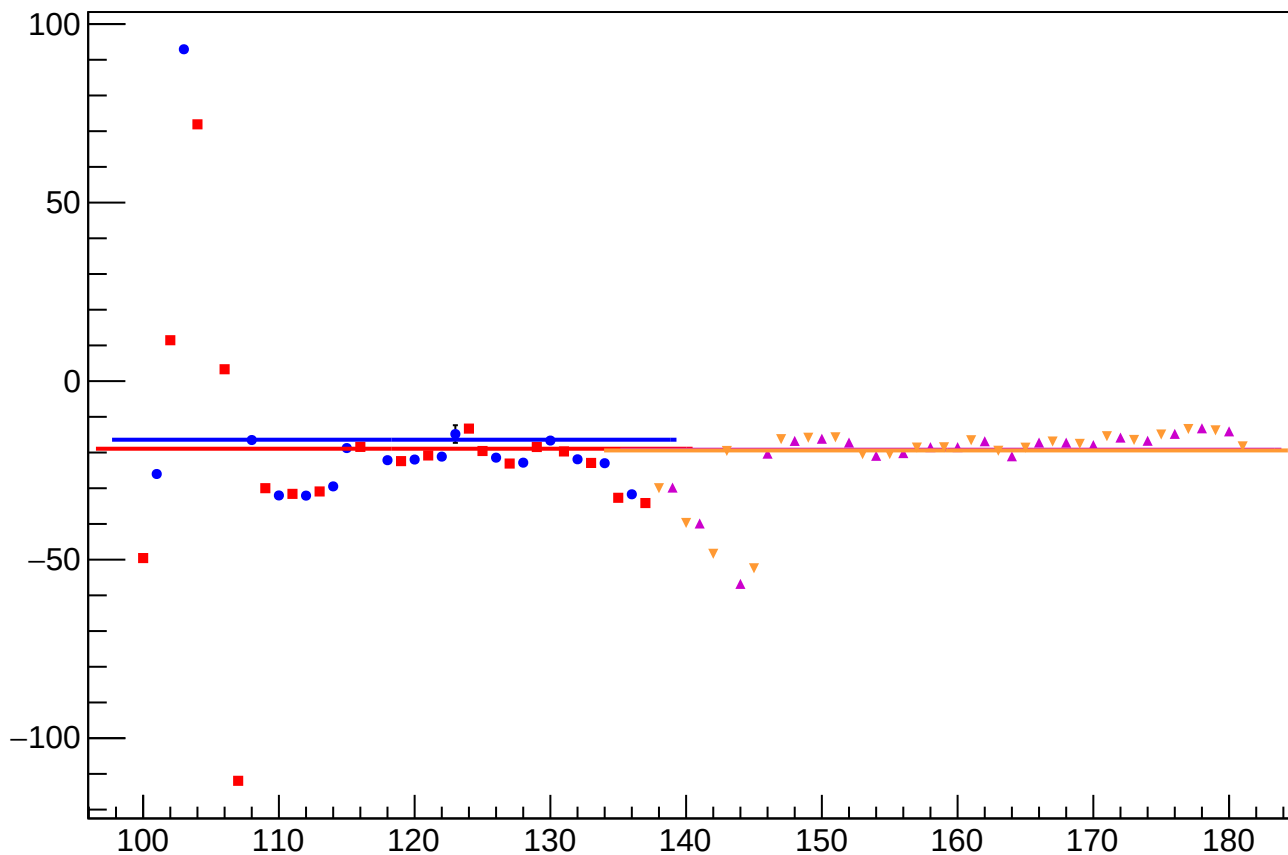
Right: -35.354 ± 0.521 χ^2/NDF : 1269.6/35

In: -17.710 ± 0.329 χ^2/NDF : 2037.9/37

Out: -17.129 ± 0.320 χ^2/NDF : 1842.7/41

All: -17.412 ± 0.229 χ^2/NDF : 3882.1/79

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: -19.411 ± 0.016 $\chi^2/\text{NDF}: 224706.3/22$

Right Out: -18.934 ± 0.045 $\chi^2/\text{NDF}: 434152.2/18$

Left In: -19.210 ± 0.017 $\chi^2/\text{NDF}: 192601.6/20$

Left: -19.312 ± 0.012 $\chi^2/\text{NDF}: 417381.9/43$

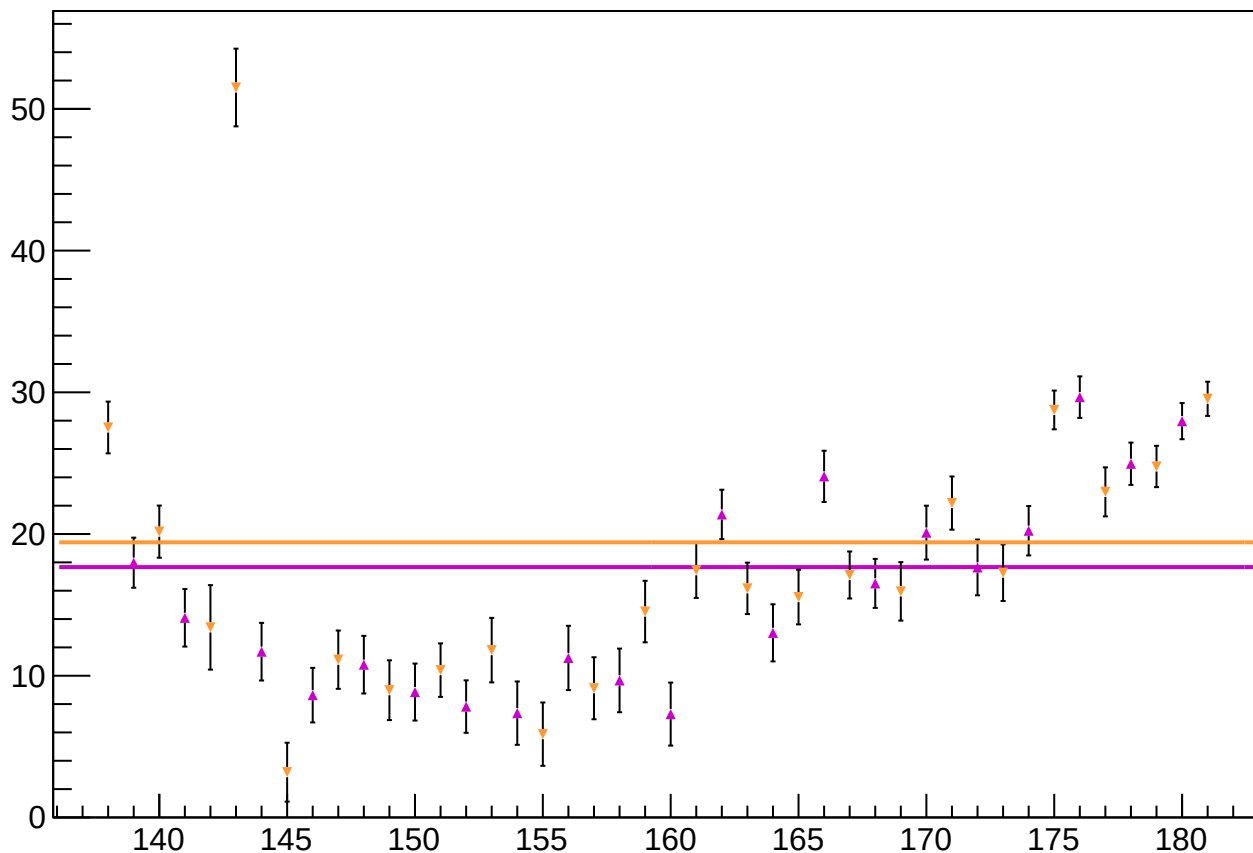
Right: -17.648 ± 0.032 $\chi^2/\text{NDF}: 910108.0/35$

In: -18.863 ± 0.016 $\chi^2/\text{NDF}: 670455.2/37$

Out: -19.356 ± 0.015 $\chi^2/\text{NDF}: 658956.7/41$

All: -19.112 ± 0.011 $\chi^2/\text{NDF}: 1329913.5/79$

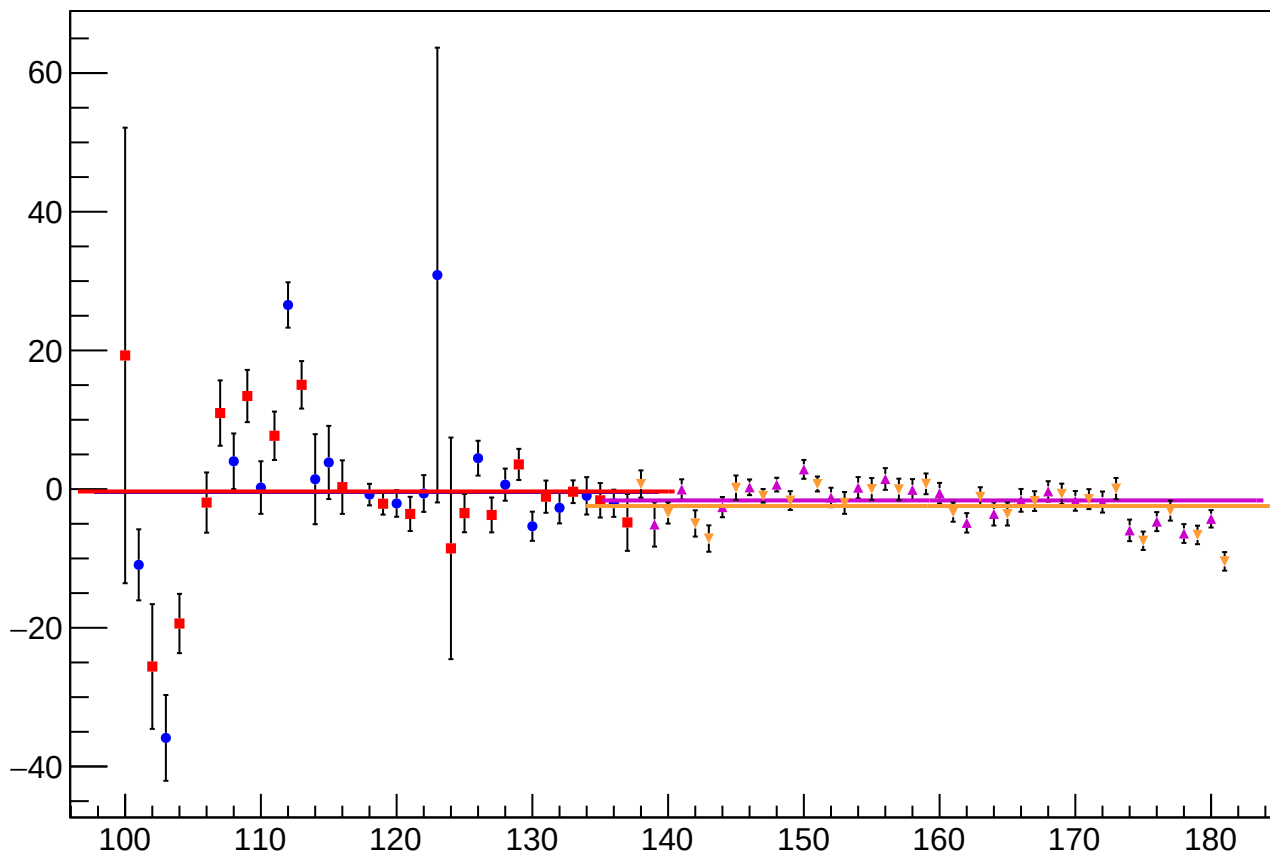
reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 19.415+/-0.389 χ^2/NDF :511.6/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 17.667+/-0.400 χ^2/NDF :339.3/20

Left: 18.565+/-0.279 χ^2/NDF : 860.7/43
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 17.667+/-0.400 χ^2/NDF :339.3/20
 Out: 19.415+/-0.389 χ^2/NDF :511.6/22
 All: 18.565+/-0.279 χ^2/NDF : 860.7/43

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: -2.434 ± 0.300 χ^2/NDF : 100.3/22

Right Out: -0.342 ± 0.658 χ^2/NDF : 83.7/18

Left In: -1.631 ± 0.311 χ^2/NDF : 65.6/20

Left: -2.047 ± 0.216 χ^2/NDF : 169.4/43

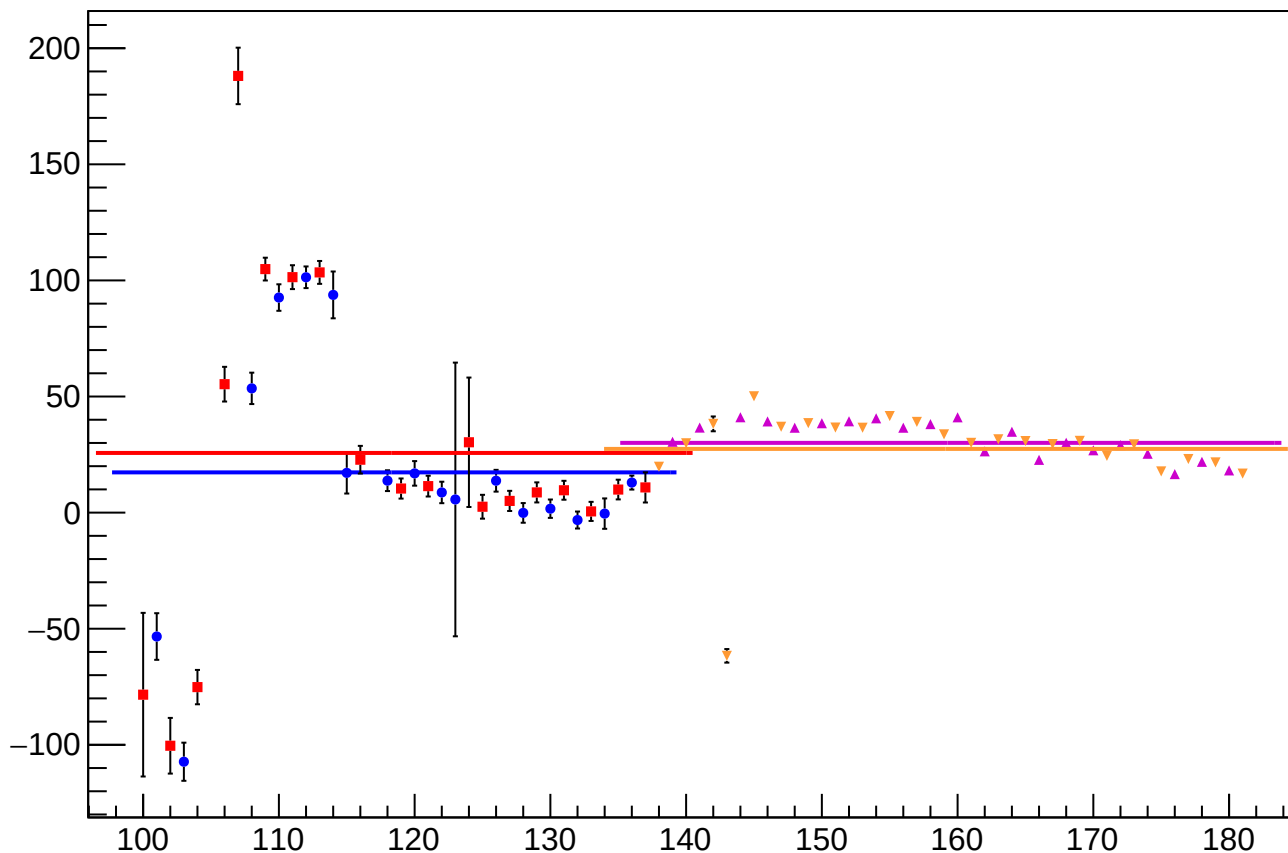
Right: -0.378 ± 0.463 χ^2/NDF : 203.7/35

In: -1.407 ± 0.281 χ^2/NDF : 188.4/37

Out: -2.073 ± 0.273 χ^2/NDF : 192.4/41

All: -1.749 ± 0.196 χ^2/NDF : 383.7/79

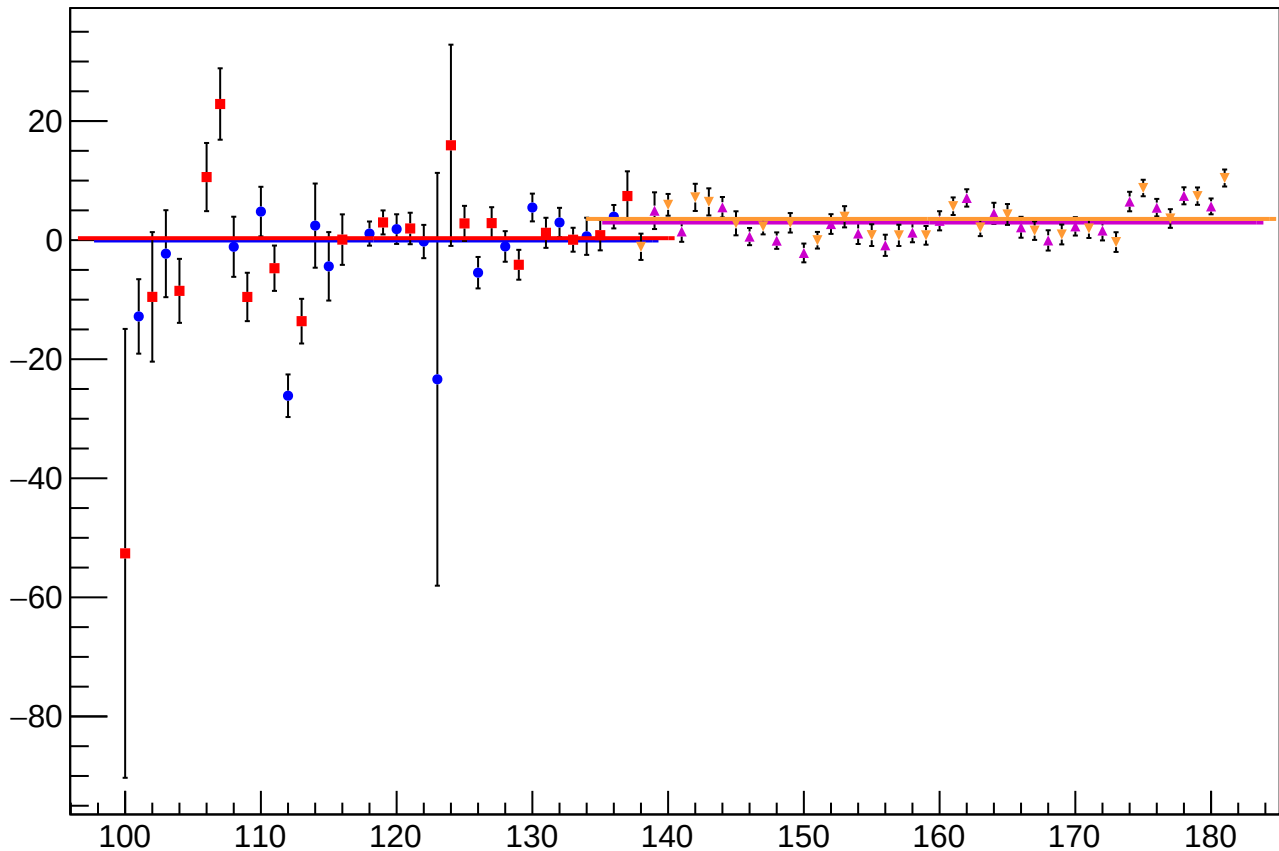
reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.328 ± 1.239 $\chi^2/\text{NDF}: 943.2/16$
 Left Out: 27.439 ± 0.387 $\chi^2/\text{NDF}: 1416.9/22$
 Right Out: 25.701 ± 1.243 $\chi^2/\text{NDF}: 1379.1/18$
 Left In: 30.041 ± 0.396 $\chi^2/\text{NDF}: 438.4/20$

Left: 28.710 ± 0.276 $\chi^2/\text{NDF}: 1877.4/43$
 Right: 21.501 ± 0.877 $\chi^2/\text{NDF}: 2345.0/35$
 In: 28.864 ± 0.377 $\chi^2/\text{NDF}: 1477.1/37$
 Out: 27.286 ± 0.369 $\chi^2/\text{NDF}: 2797.7/41$
 All: 28.058 ± 0.264 $\chi^2/\text{NDF}: 4283.8/79$

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: 3.562 ± 0.341 χ^2/NDF : 83.6/22

Right Out: 0.326 ± 0.749 χ^2/NDF : 55.1/18

Left In: 2.956 ± 0.352 χ^2/NDF : 62.6/20

Left: 3.269 ± 0.245 χ^2/NDF : 147.8/43

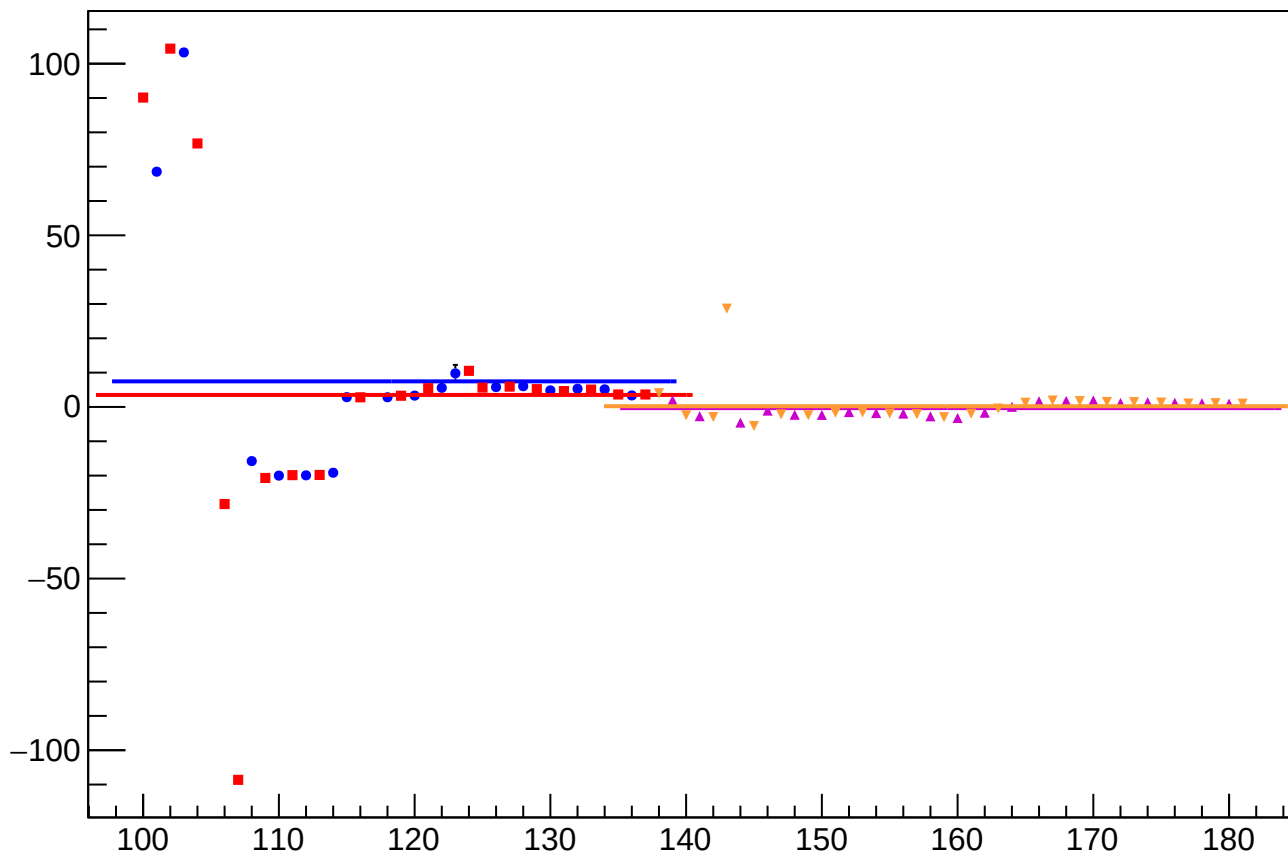
Right: 0.132 ± 0.528 χ^2/NDF : 131.8/35

In: 2.403 ± 0.318 χ^2/NDF : 152.6/37

Out: 3.006 ± 0.311 χ^2/NDF : 154.2/41

All: 2.712 ± 0.222 χ^2/NDF : 308.6/79

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: 0.215+/-0.016 χ^2/NDF : 77773.1/22

Right Out: 3.502+/-0.046 χ^2/NDF : 510579.7/18

Left In: -0.342+/-0.016 χ^2/NDF : 14496.6/20

Left: -0.060+/-0.011 χ^2/NDF : 92889.9/43

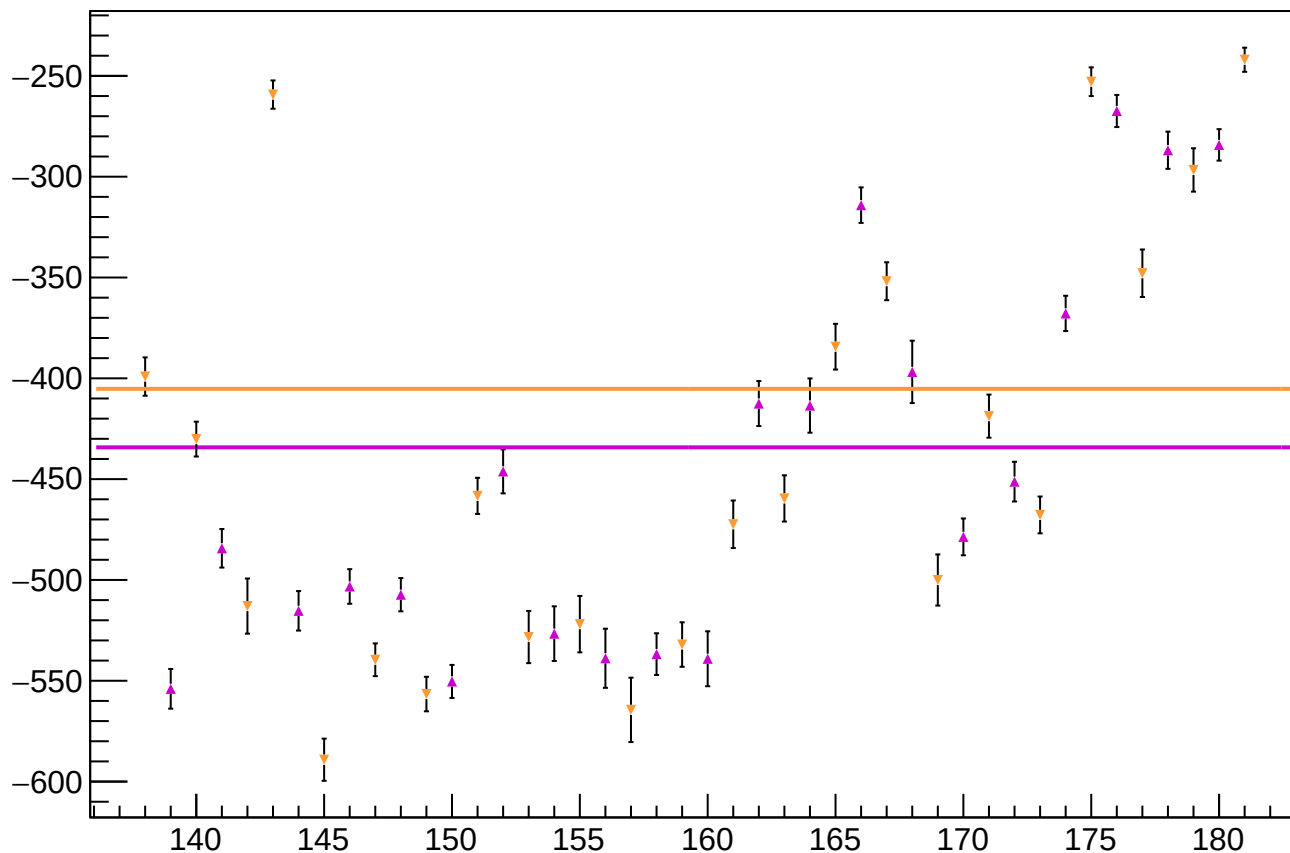
Right: 5.528+/-0.032 χ^2/NDF : 870492.1/35

In: 0.544+/-0.015 χ^2/NDF : 397850.1/37

Out: 0.564+/-0.015 χ^2/NDF : 593008.2/41

All: 0.554+/-0.011 χ^2/NDF : 990859.2/79

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: -405.210+/-2.008 χ^2/NDF :3348.4/22

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

Left In: -434.240+/-2.141 χ^2/NDF :2190.3/20

Left: -418.790+/-1.465 χ^2/NDF : 5636.5/43

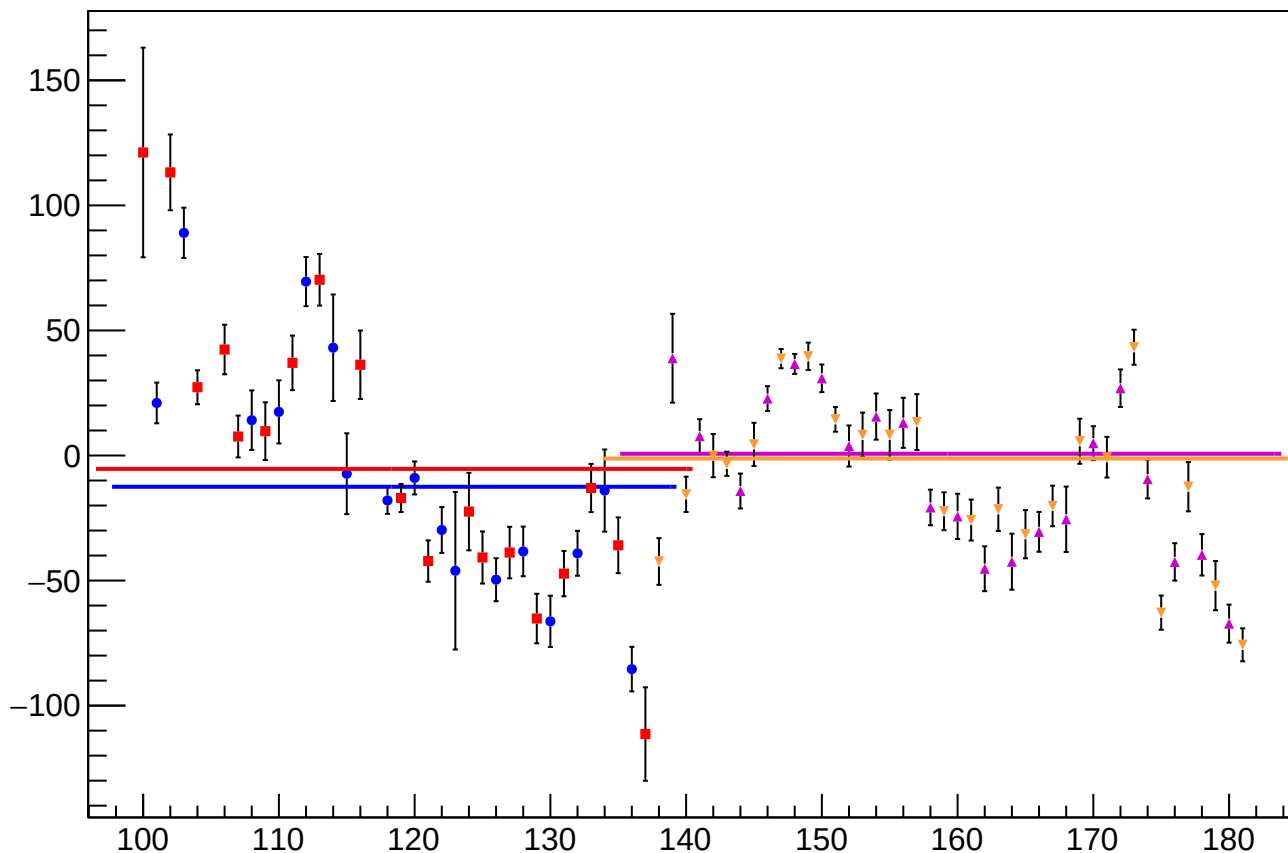
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -434.240+/-2.141 χ^2/NDF :2190.3/20

Out: -405.210+/-2.008 χ^2/NDF :3348.4/22

All: -418.790+/-1.465 χ^2/NDF : 5636.5/43

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: -1.201 ± 1.477 χ^2/NDF : 516.7/22

Right Out: -5.363 ± 2.264 χ^2/NDF : 344.6/18

Left In: 0.697 ± 1.586 χ^2/NDF : 373.7/20

Left: -0.320 ± 1.081 χ^2/NDF : 891.2/43

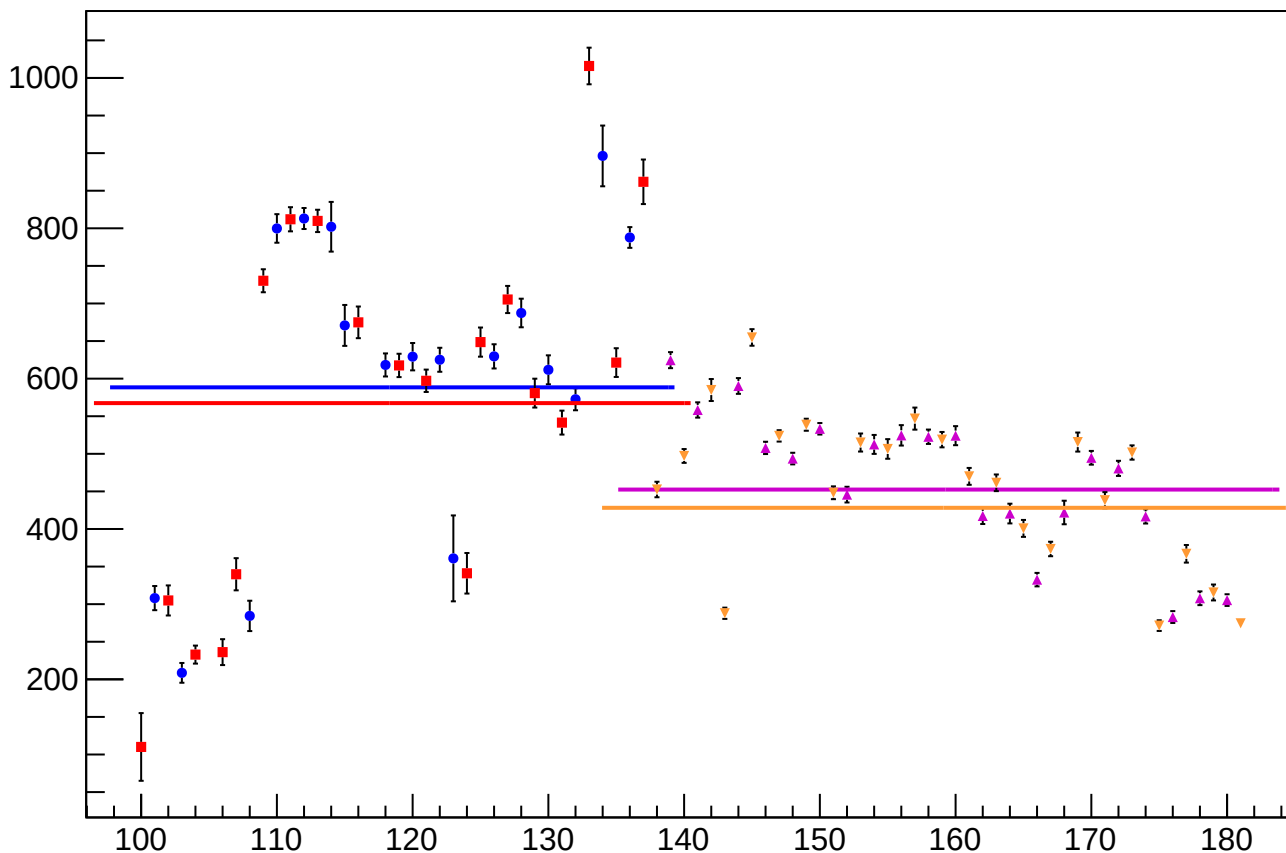
Right: -8.858 ± 1.617 χ^2/NDF : 690.5/35

In: -3.527 ± 1.307 χ^2/NDF : 736.9/37

Out: -2.443 ± 1.237 χ^2/NDF : 863.7/41

All: -2.955 ± 0.899 χ^2/NDF : 1601.0/79

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: 428.177 $\pm$ 2.007 χ^2 /NDF:2944.2/22

Right Out: 567.451 $\pm$ 4.137 χ^2 /NDF: 2784.8/18

Left In: 452.444 $\pm$ 2.118 χ^2 /NDF:2178.6/20

Left: 439.658 $\pm$ 1.457 χ^2 /NDF: 5192.0/43

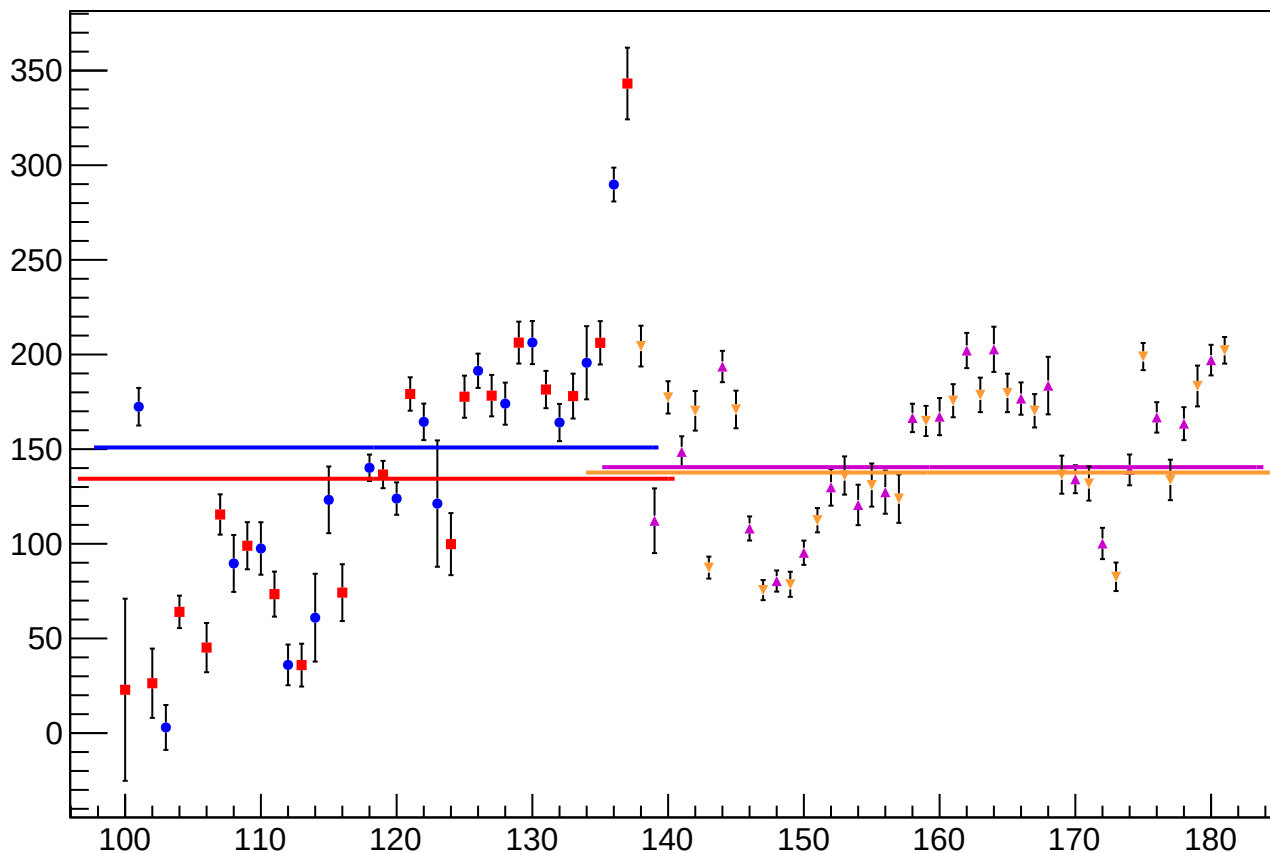
Right: 577.481 $\pm$ 2.988 χ^2 /NDF: 4927.3/35

In: 478.790 $\pm$ 1.902 χ^2 /NDF:5107.4/37

Out: 454.712 $\pm$ 1.806 χ^2 /NDF:6646.5/41

All: 466.127 $\pm$ 1.309 χ^2 /NDF: 11838.2/79

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: 137.645 $\pm$ 1.721 χ^2 /NDF:700.1/22

Right Out: 134.381 $\pm$ 2.620 χ^2 /NDF: 584.9/18

Left In: 140.486 $\pm$ 1.832 χ^2 /NDF:450.4/20

Left: 138.976 $\pm$ 1.254 χ^2 /NDF: 1151.8/43

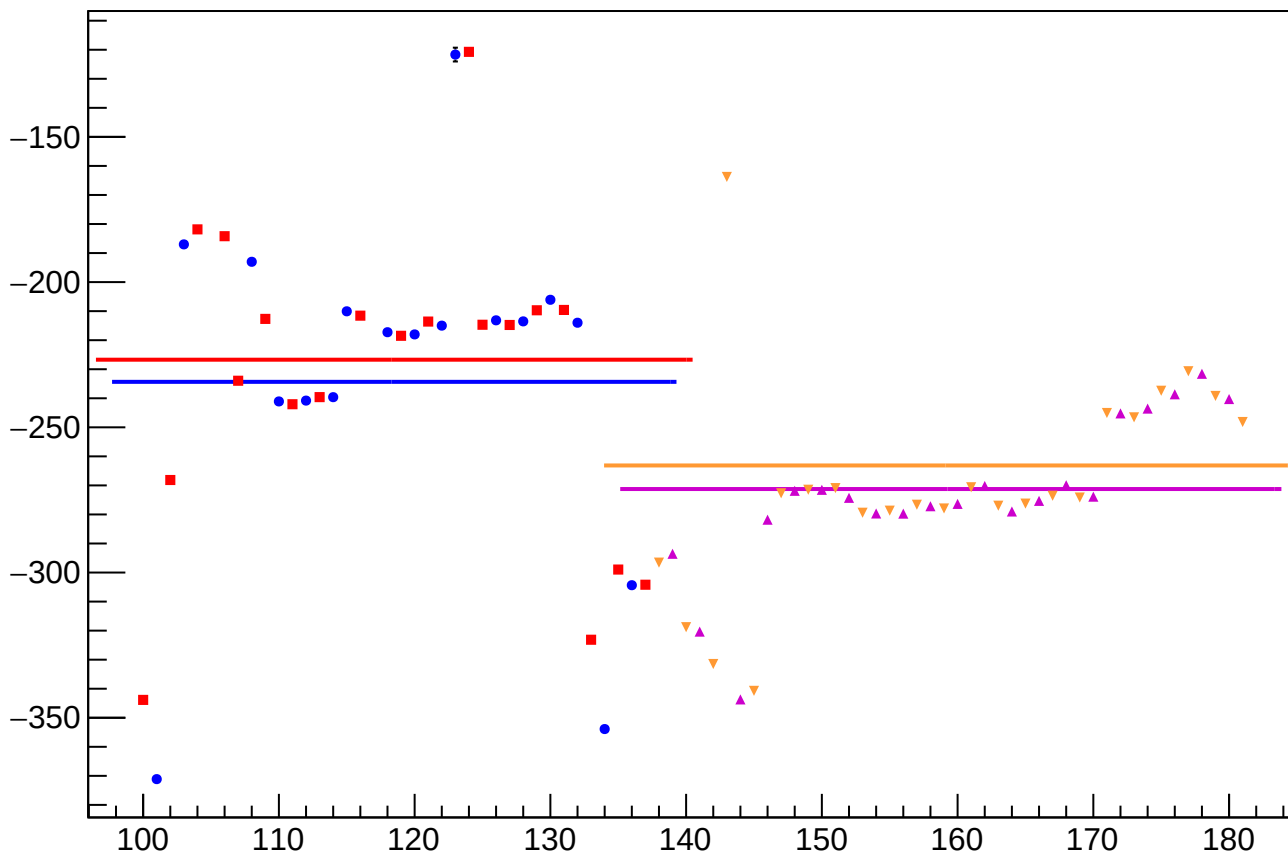
Right: 142.467 $\pm$ 1.871 χ^2 /NDF: 1239.2/35

In: 143.811 $\pm$ 1.512 χ^2 /NDF:1095.5/37

Out: 136.661 $\pm$ 1.438 χ^2 /NDF:1286.1/41

All: 140.059 $\pm$ 1.042 χ^2 /NDF: 2393.4/79

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: -263.129 ± 0.083 χ^2/NDF : 209994.5/22

Right Out: -226.716 ± 0.141 χ^2/NDF : 99440.4/18

Left In: -271.246 ± 0.086 χ^2/NDF : 80048.3/20

Left: -267.045 ± 0.060 χ^2/NDF : 294652.0/43

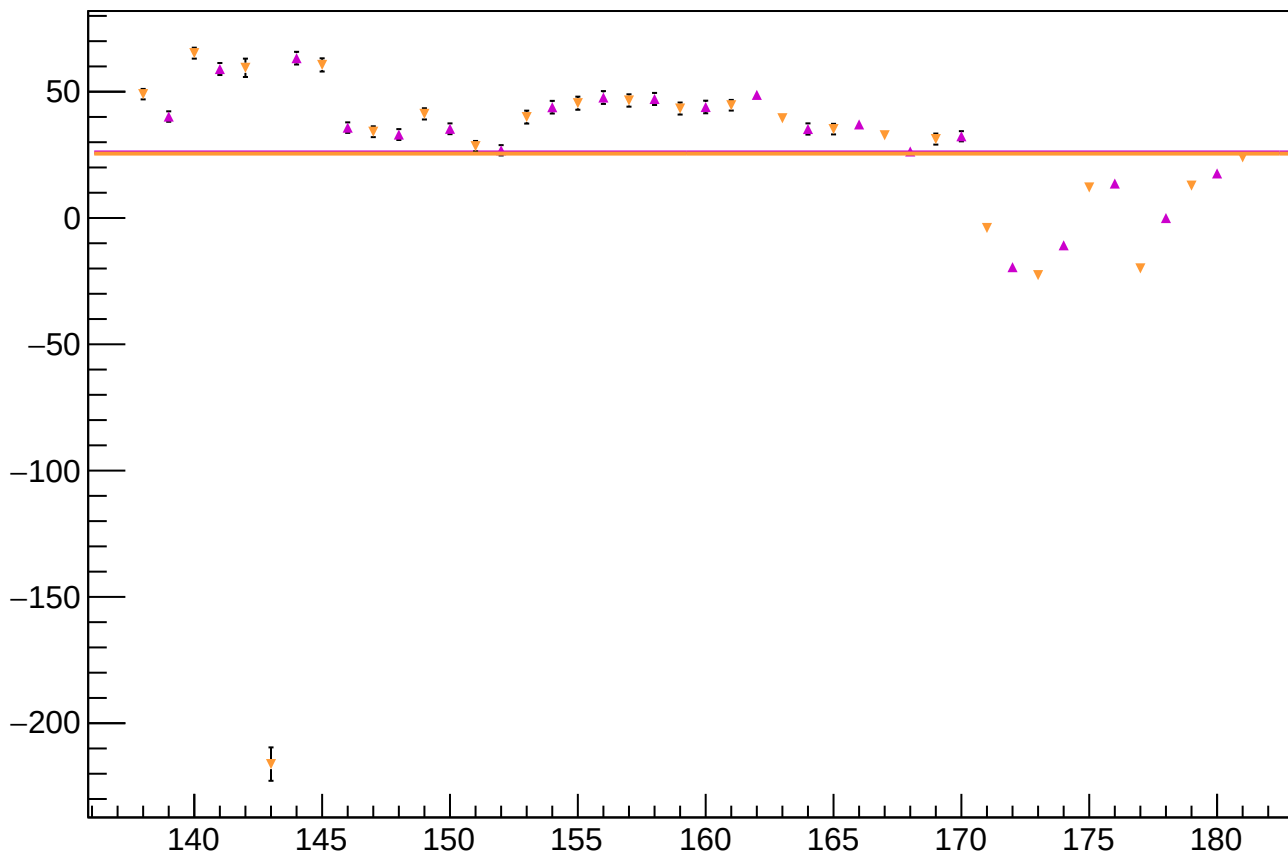
Right: -230.345 ± 0.102 χ^2/NDF : 245990.9/35

In: -261.957 ± 0.074 χ^2/NDF : 271550.9/37

Out: -253.783 ± 0.072 χ^2/NDF : 358781.5/41

All: -257.713 ± 0.052 χ^2/NDF : 636598.5/79

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 25.497 $\pm$ 0.418 χ^2 /NDF:4133.1/22

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

Left In: 25.946 $\pm$ 0.426 χ^2 /NDF:2393.3/20

Left: 25.717 $\pm$ 0.298 χ^2 /NDF: 6527.0/43

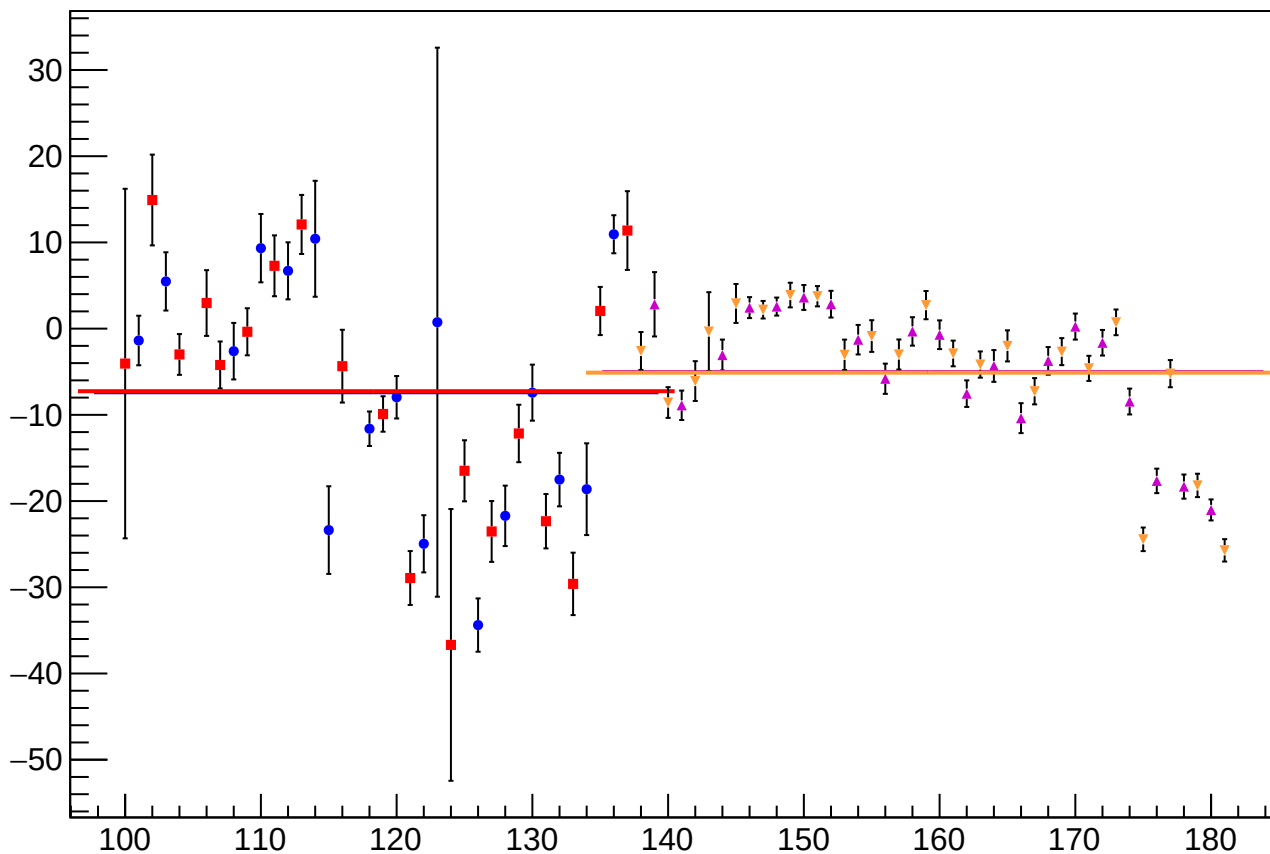
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 25.946 $\pm$ 0.426 χ^2 /NDF:2393.3/20

Out: 25.497 $\pm$ 0.418 χ^2 /NDF:4133.1/22

All: 25.717 $\pm$ 0.298 χ^2 /NDF: 6527.0/43

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: -5.104 ± 0.325 χ^2/NDF : 766.9/22

Right Out: -7.256 ± 0.762 χ^2/NDF : 257.3/18

Left In: -5.033 ± 0.332 χ^2/NDF : 559.3/20

Left: -5.069 ± 0.232 χ^2/NDF : 1326.3/43

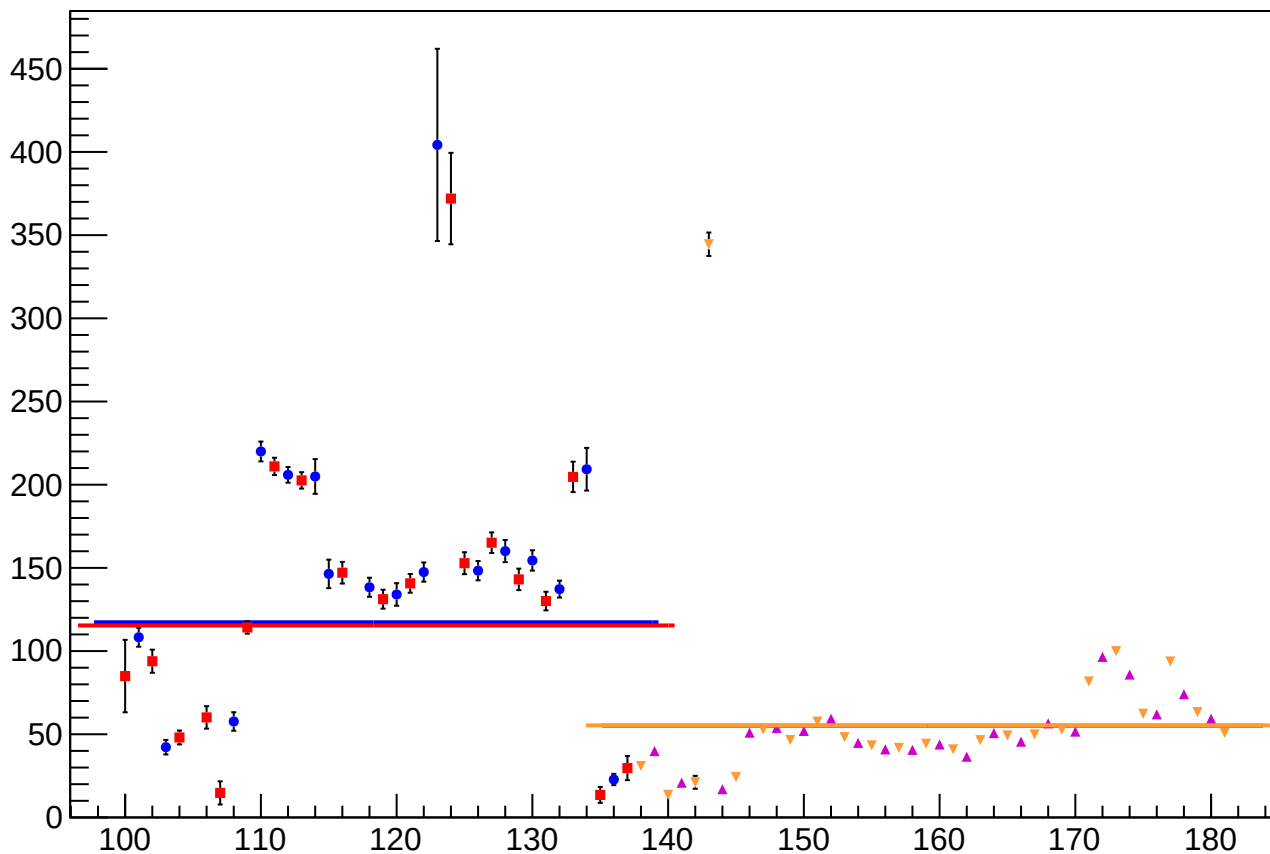
Right: -7.317 ± 0.545 χ^2/NDF : 540.9/35

In: -5.395 ± 0.306 χ^2/NDF : 850.6/37

Out: -5.436 ± 0.299 χ^2/NDF : 1031.0/41

All: -5.416 ± 0.214 χ^2/NDF : 1881.6/79

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 117.302 ± 1.409 χ^2/NDF : 2161.3/16

Left Out: 55.346 ± 0.415 χ^2/NDF : 3700.4/22

Right Out: 115.405 ± 1.361 χ^2/NDF : 2150.5/18

Left In: 55.138 ± 0.422 χ^2/NDF : 1608.1/20

Left: 55.244 ± 0.296 χ^2/NDF : 5308.6/43

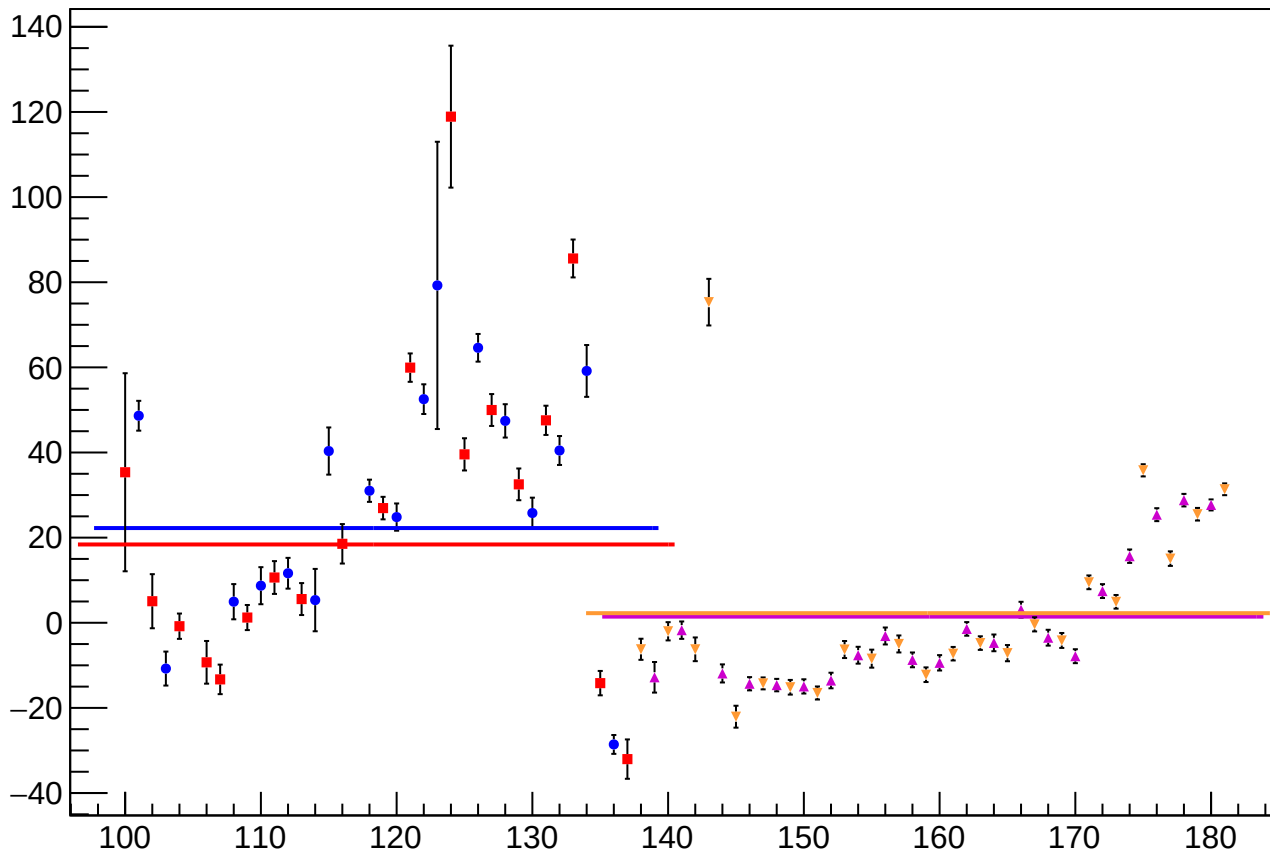
Right: 116.321 ± 0.979 χ^2/NDF : 4312.7/35

In: 60.250 ± 0.404 χ^2/NDF : 5556.9/37

Out: 60.468 ± 0.397 χ^2/NDF : 7633.2/41

All: 60.361 ± 0.283 χ^2/NDF : 13190.2/79

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: 2.253 $\pm$ 0.369 χ^2 /NDF:2216.6/22

Right Out: 18.395 $\pm$ 0.872 χ^2 /NDF: 1077.1/18

Left In: 1.444 $\pm$ 0.376 χ^2 /NDF:1689.2/20

Left: 1.856 $\pm$ 0.263 χ^2 /NDF: 3908.1/43

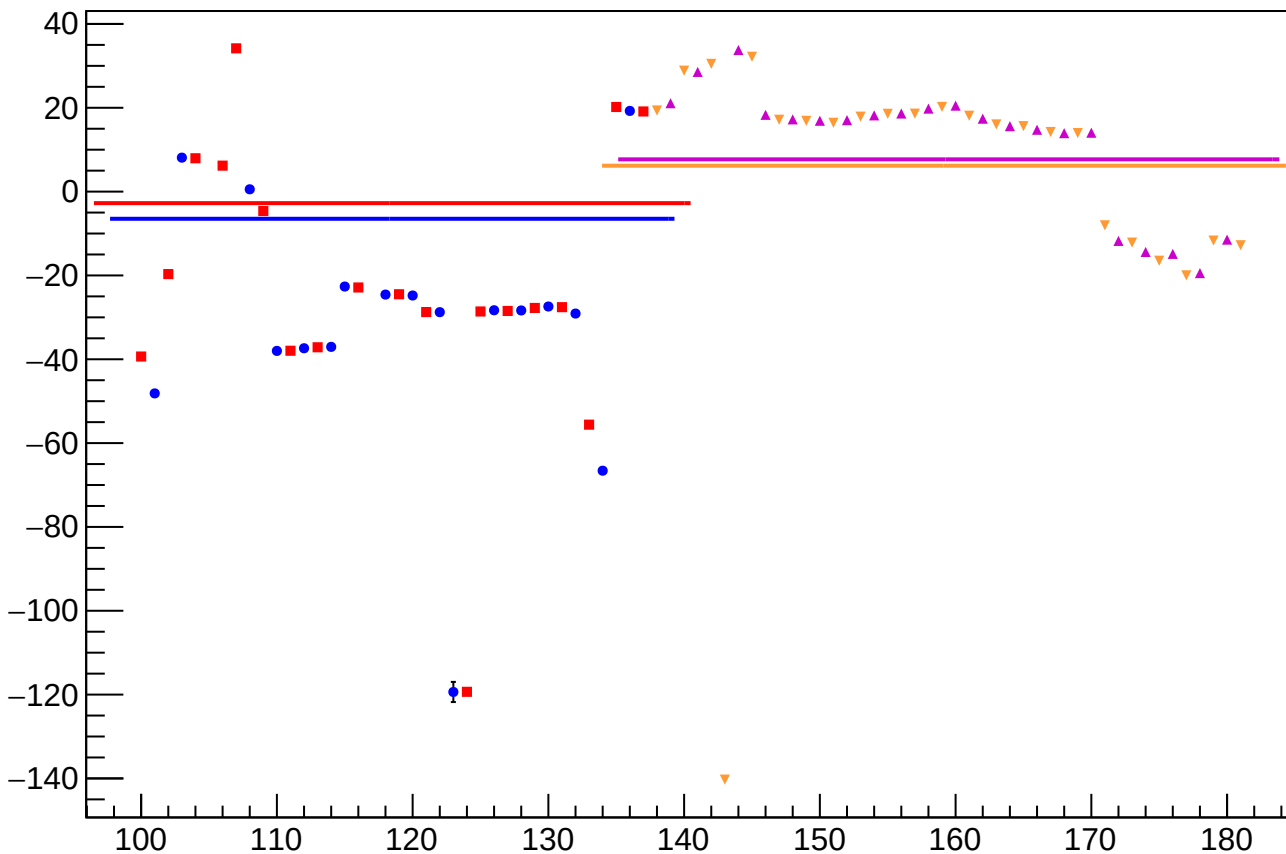
Right: 20.284 $\pm$ 0.622 χ^2 /NDF: 2158.2/35

In: 4.598 $\pm$ 0.346 χ^2 /NDF:3225.2/37

Out: 4.705 $\pm$ 0.340 χ^2 /NDF:3584.5/41

All: 4.653 $\pm$ 0.243 χ^2 /NDF: 6809.7/79

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.482 ± 0.046 χ^2/NDF : 265804.1/16

Left Out: 6.183 ± 0.017 χ^2/NDF : 1144770.2/22

Right Out: -2.751 ± 0.046 χ^2/NDF : 266291.4/18

Left In: 7.696 ± 0.017 χ^2/NDF : 846329.4/20

Left: 6.938 ± 0.012 χ^2/NDF : 1995045.9/43

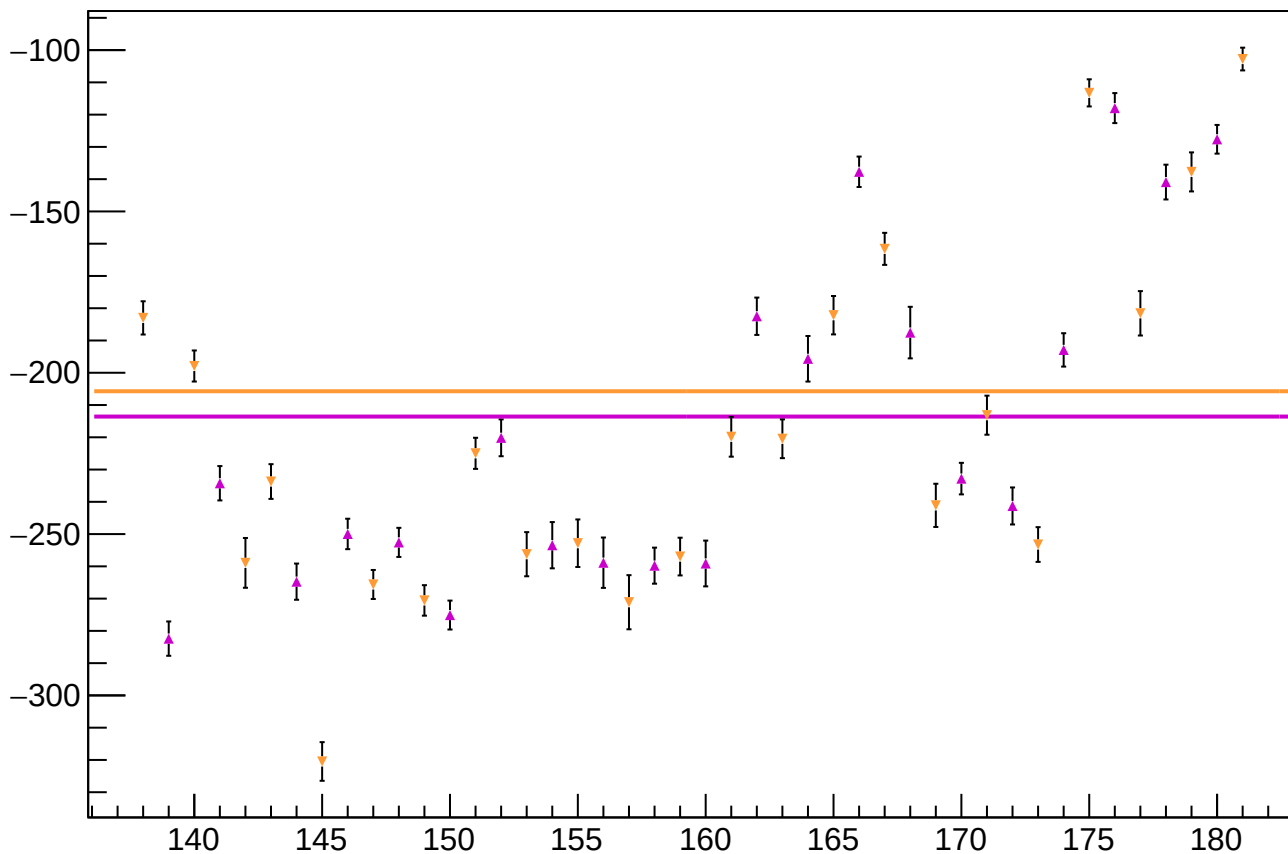
Right: -4.597 ± 0.032 χ^2/NDF : 535394.7/35

In: 5.993 ± 0.016 χ^2/NDF : 1195134.3/37

Out: 5.094 ± 0.016 χ^2/NDF : 1444651.0/41

All: 5.542 ± 0.011 χ^2/NDF : 2641370.7/79

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: -205.731+/-1.137 χ^2/NDF :2767.2/22

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

Left In: -213.576+/-1.182 χ^2/NDF :2101.5/20

Left: -209.503+/-0.819 χ^2/NDF : 4891.6/43

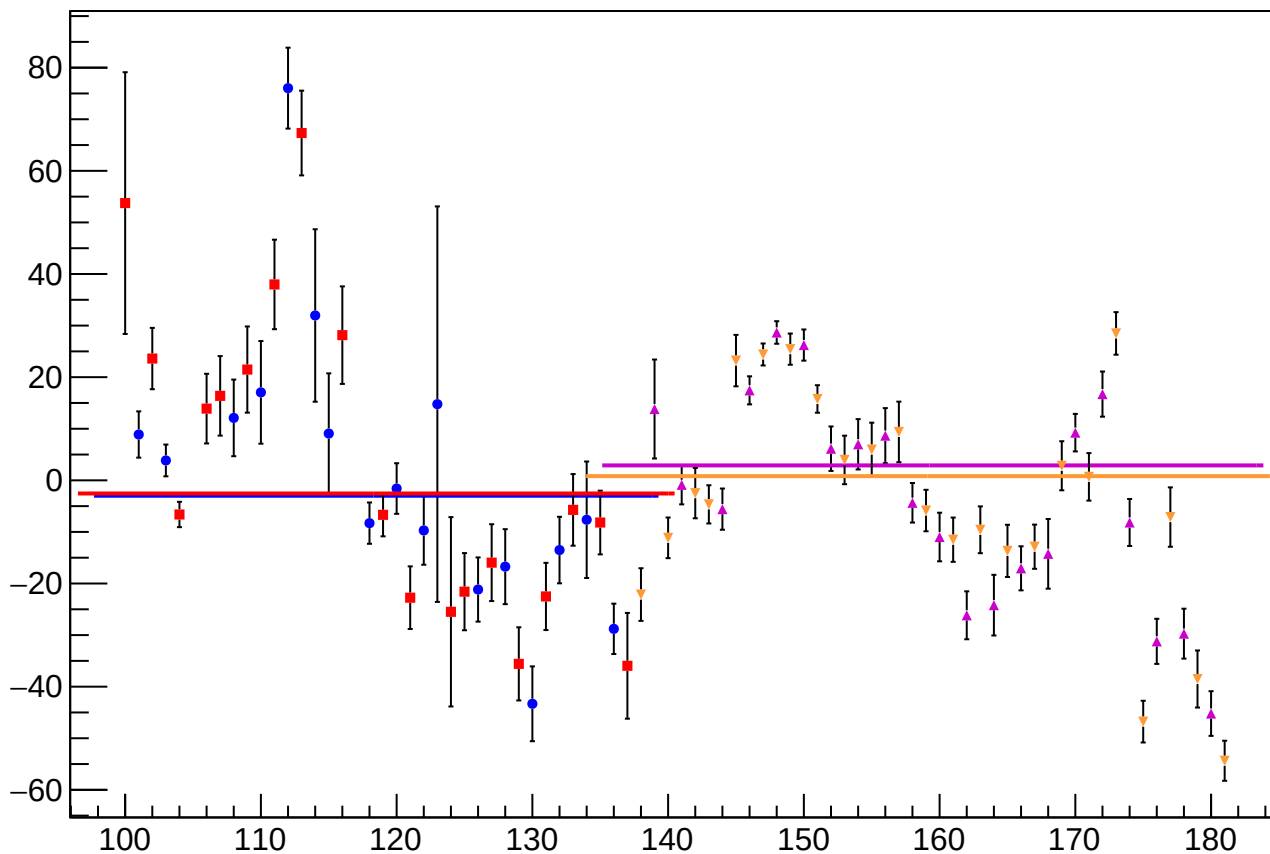
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -213.576+/-1.182 χ^2/NDF :2101.5/20

Out: -205.731+/-1.137 χ^2/NDF :2767.2/22

All: -209.503+/-0.819 χ^2/NDF : 4891.6/43

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.981 ± 1.450 $\chi^2/\text{NDF}: 203.9/16$

Left Out: 0.814 ± 0.834 $\chi^2/\text{NDF}: 748.6/22$

Right Out: -2.548 ± 1.399 $\chi^2/\text{NDF}: 218.1/18$

Left In: 2.895 ± 0.871 $\chi^2/\text{NDF}: 585.8/20$

Left: 1.809 ± 0.602 $\chi^2/\text{NDF}: 1337.4/43$

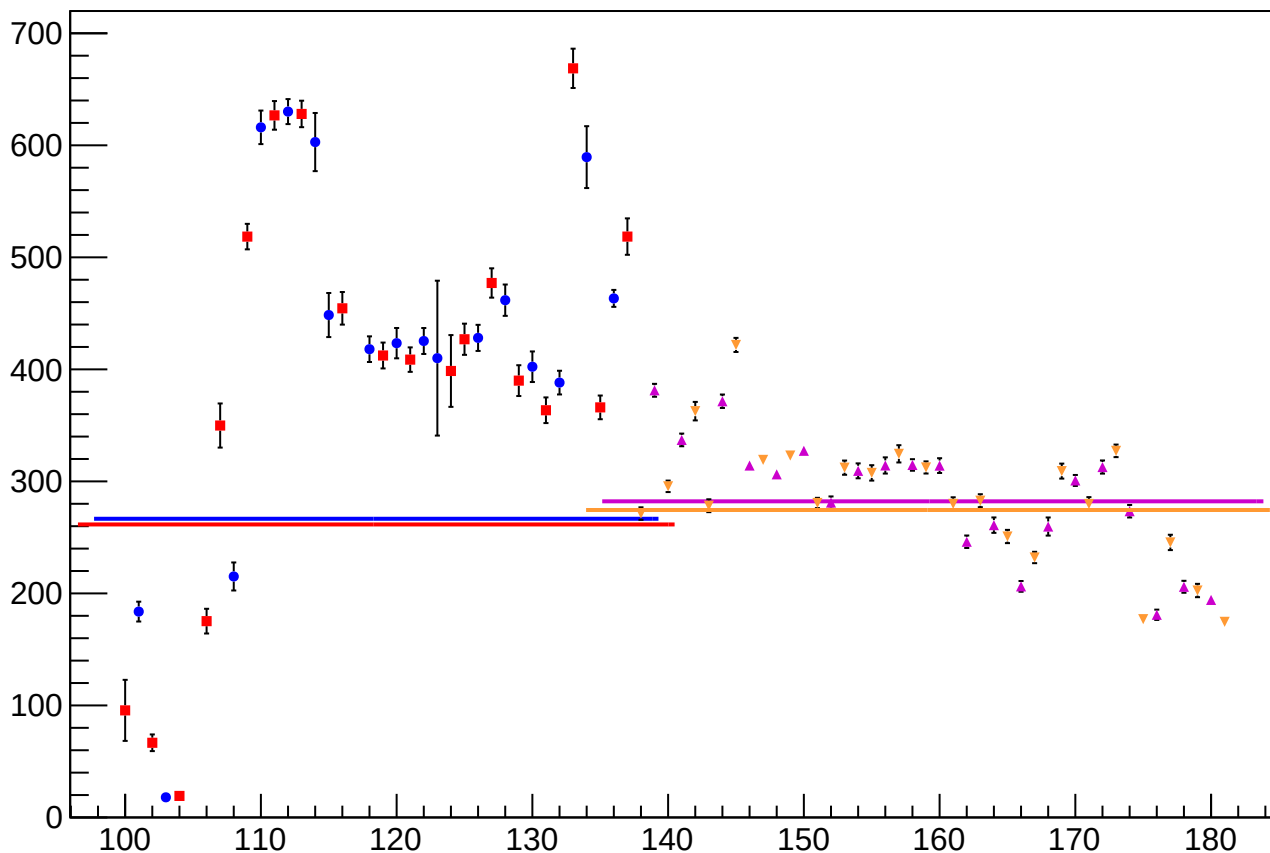
Right: -2.757 ± 1.007 $\chi^2/\text{NDF}: 422.1/35$

In: 1.337 ± 0.747 $\chi^2/\text{NDF}: 801.8/37$

Out: -0.068 ± 0.716 $\chi^2/\text{NDF}: 971.0/41$

All: 0.605 ± 0.517 $\chi^2/\text{NDF}: 1774.6/79$

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: 274.463 $\pm$ 1.132 χ^2 /NDF:2717.5/22

Right Out: 261.551 $\pm$ 2.458 χ^2 /NDF: 8208.2/18

Left In: 282.196 $\pm$ 1.167 χ^2 /NDF:2346.4/20

Left: 278.213 $\pm$ 0.812 χ^2 /NDF: 5086.5/43

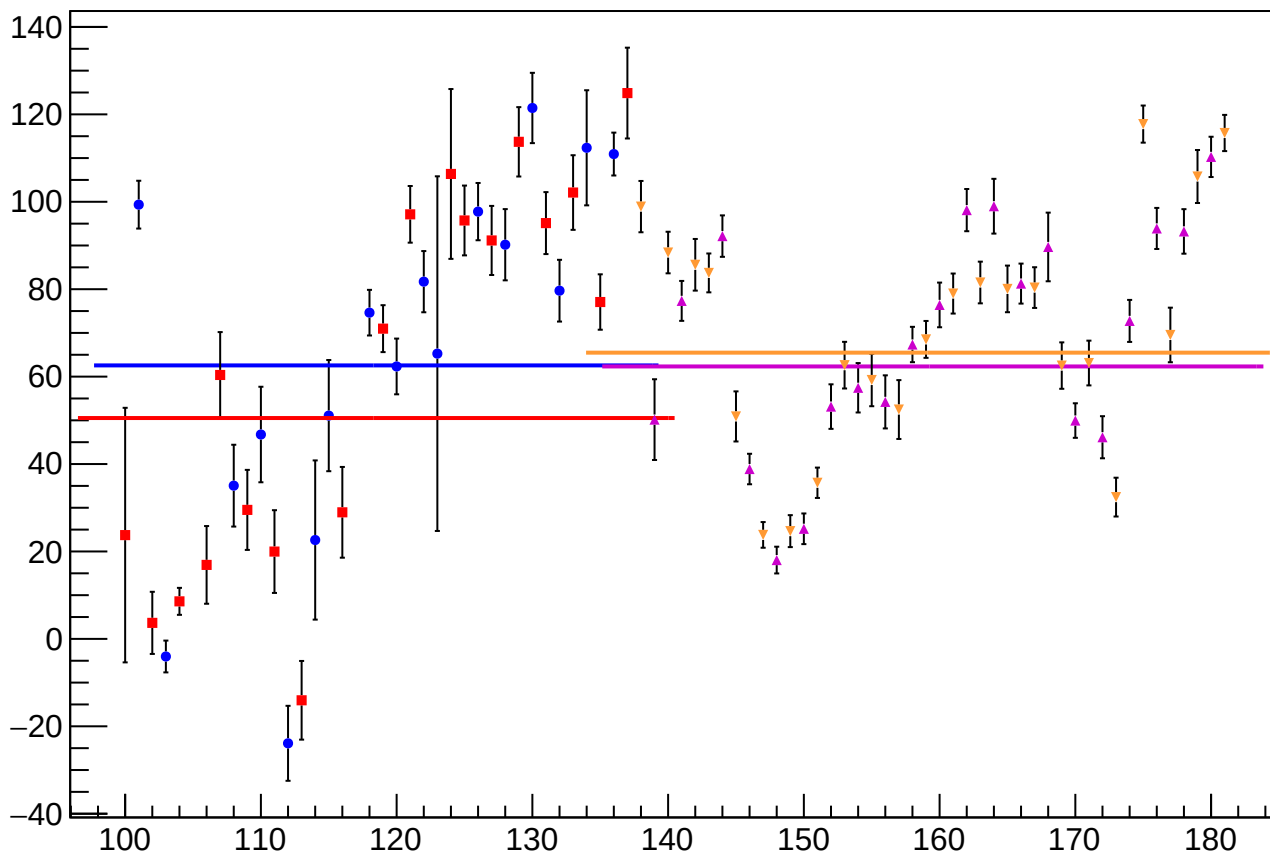
Right: 264.068 $\pm$ 1.745 χ^2 /NDF: 15873.0/35

In: 279.370 $\pm$ 1.055 χ^2 /NDF:10041.4/37

Out: 272.204 $\pm$ 1.028 χ^2 /NDF:10948.4/41

All: 275.693 $\pm$ 0.736 χ^2 /NDF: 21013.5/79

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 62.566 $\pm$ 1.678 χ^2 /NDF: 722.4/16

Left Out: 65.484 $\pm$ 0.971 χ^2 /NDF:932.9/22

Right Out: 50.526 $\pm$ 1.643 χ^2 /NDF: 657.0/18

Left In: 62.328 $\pm$ 1.008 χ^2 /NDF:768.5/20

Left: 63.965 $\pm$ 0.699 χ^2 /NDF: 1706.5/43

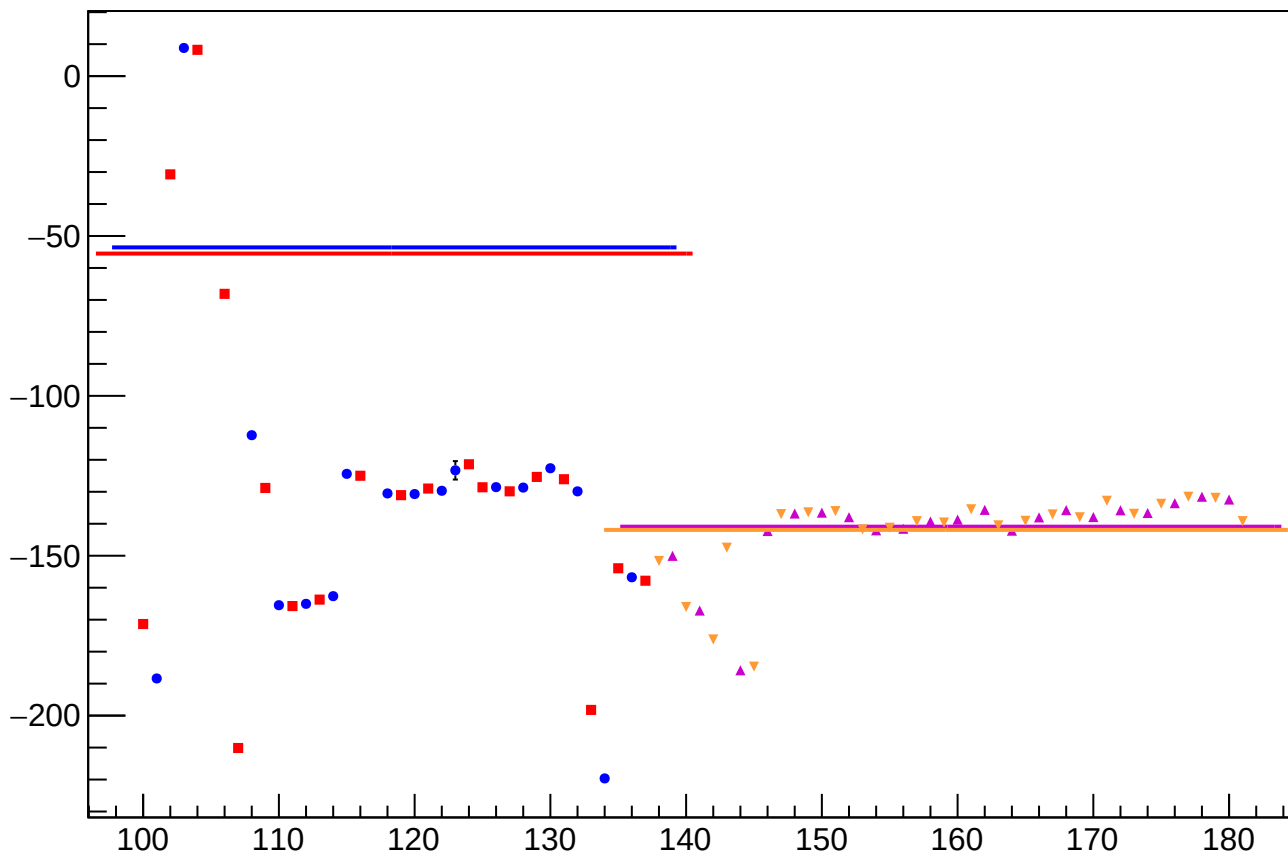
Right: 56.420 $\pm$ 1.174 χ^2 /NDF: 1405.7/35

In: 62.391 $\pm$ 0.864 χ^2 /NDF:1490.9/37

Out: 61.616 $\pm$ 0.836 χ^2 /NDF:1651.3/41

All: 61.990 $\pm$ 0.601 χ^2 /NDF: 3142.6/79

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: -141.916 ± 0.047 $\chi^2/\text{NDF}: 65755.7/22$

Right Out: -55.502 ± 0.072 $\chi^2/\text{NDF}: 969632.0/18$

Left In: -140.915 ± 0.047 $\chi^2/\text{NDF}: 52385.2/20$

Left: -141.422 ± 0.033 $\chi^2/\text{NDF}: 118368.3/43$

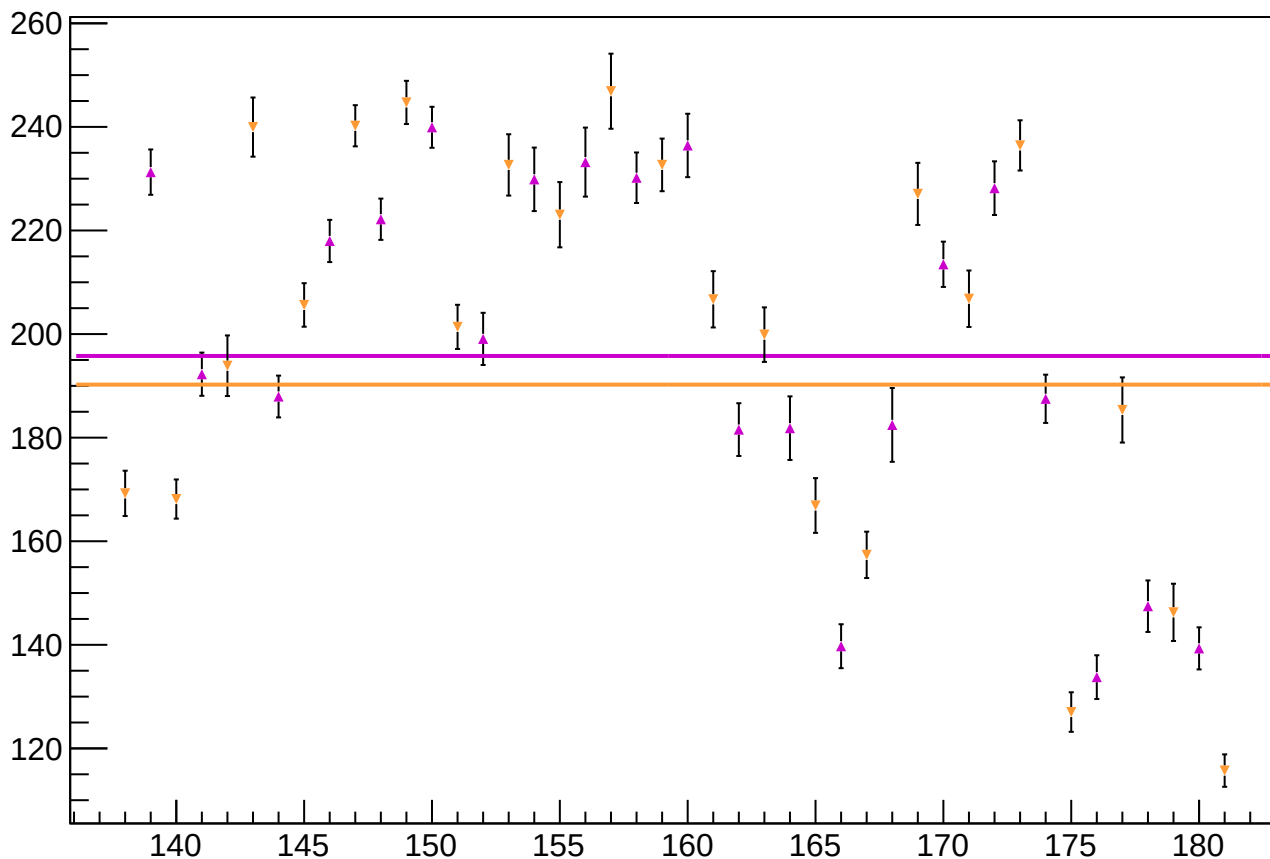
Right: -54.512 ± 0.050 $\chi^2/\text{NDF}: 2200235.7/35$

In: -113.745 ± 0.039 $\chi^2/\text{NDF}: 2347031.3/37$

Out: -116.342 ± 0.039 $\chi^2/\text{NDF}: 2052178.9/41$

All: -115.046 ± 0.028 $\chi^2/\text{NDF}: 4401408.3/79$

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: 190.241+/-0.993 χ^2/NDF :1820.2/22

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

Left In: 195.775+/-1.027 χ^2/NDF :1177.7/20

Left: 192.915+/-0.714 χ^2/NDF : 3012.8/43

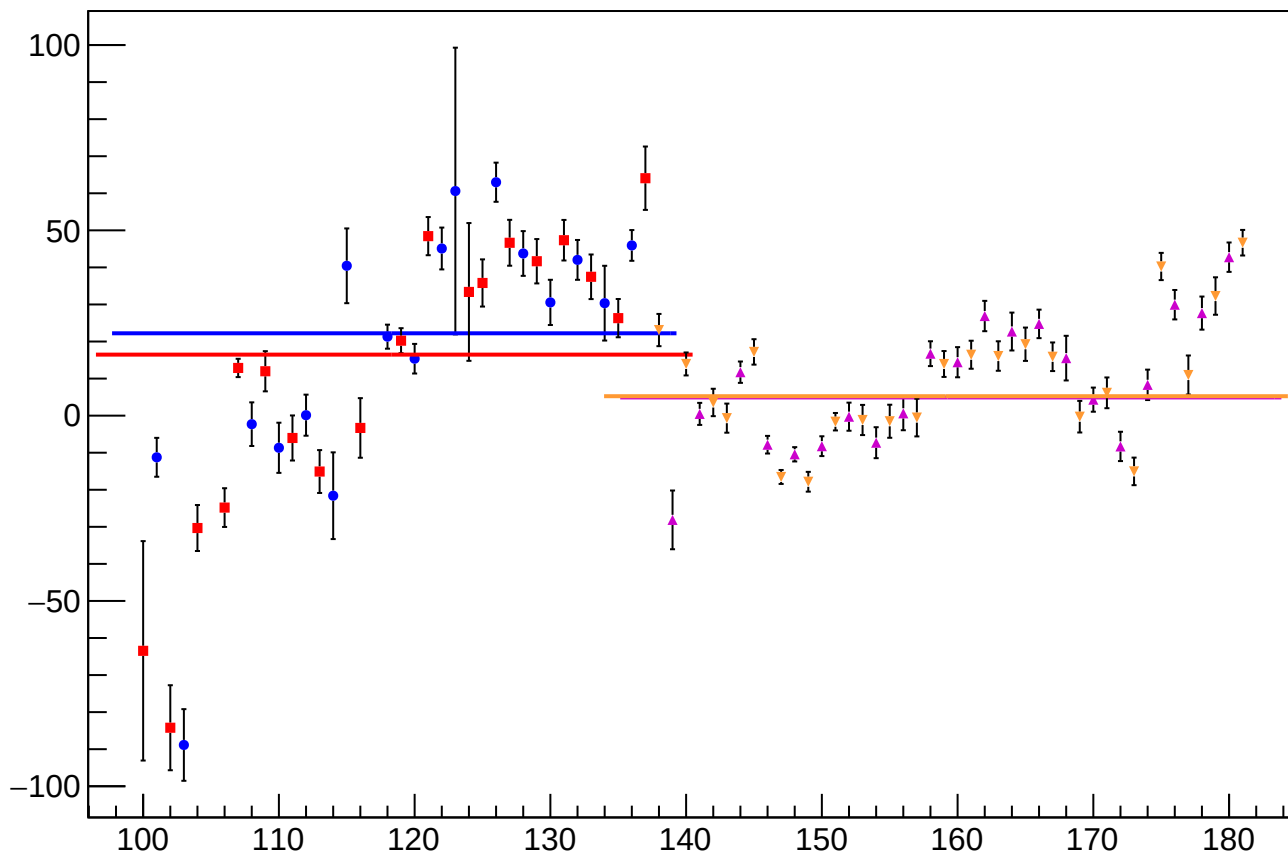
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 195.775+/-1.027 χ^2/NDF :1177.7/20

Out: 190.241+/-0.993 χ^2/NDF :1820.2/22

All: 192.915+/-0.714 χ^2/NDF : 3012.8/43

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: 5.245+/-0.729 χ^2/NDF : 598.2/22

Right Out: 16.466+/-1.230 χ^2/NDF : 425.9/18

Left In: 4.914+/-0.757 χ^2/NDF : 409.9/20

Left: 5.085+/-0.525 χ^2/NDF : 1008.2/43

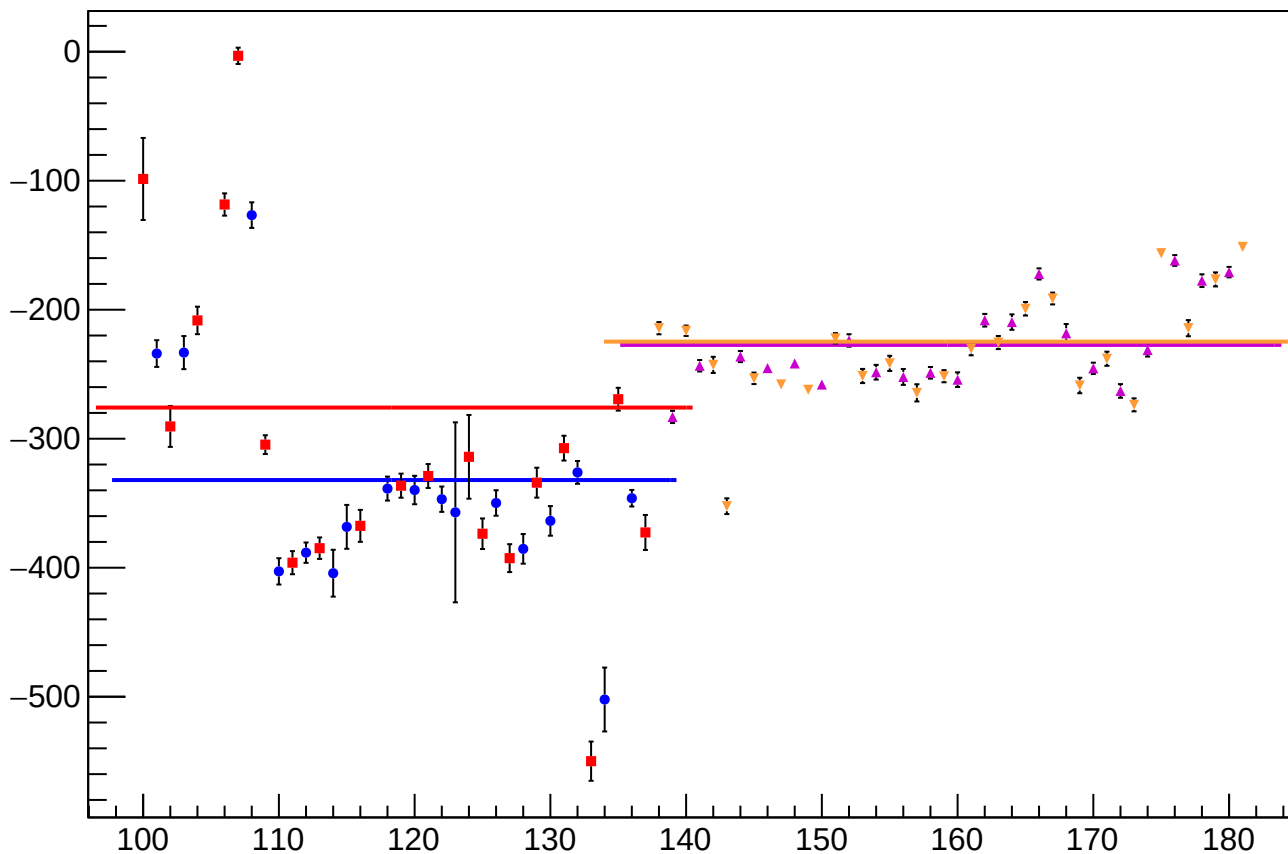
Right: 19.025+/-0.916 χ^2/NDF : 821.2/35

In: 8.942+/-0.663 χ^2/NDF : 917.3/37

Out: 8.163+/-0.627 χ^2/NDF : 1085.7/41

All: 8.531+/-0.455 χ^2/NDF : 2003.7/79

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -332.037 $\pm$ 2.562 χ^2/NDF : 784.9/16

Left Out: -224.734 $\pm$ 0.990 χ^2/NDF :1891.7/22

Right Out: -275.853 $\pm$ 2.324 χ^2/NDF : 3362.8/18

Left In: -227.301 $\pm$ 1.016 χ^2/NDF :1129.9/20

Left: -225.984 $\pm$ 0.709 χ^2/NDF : 3025.0/43

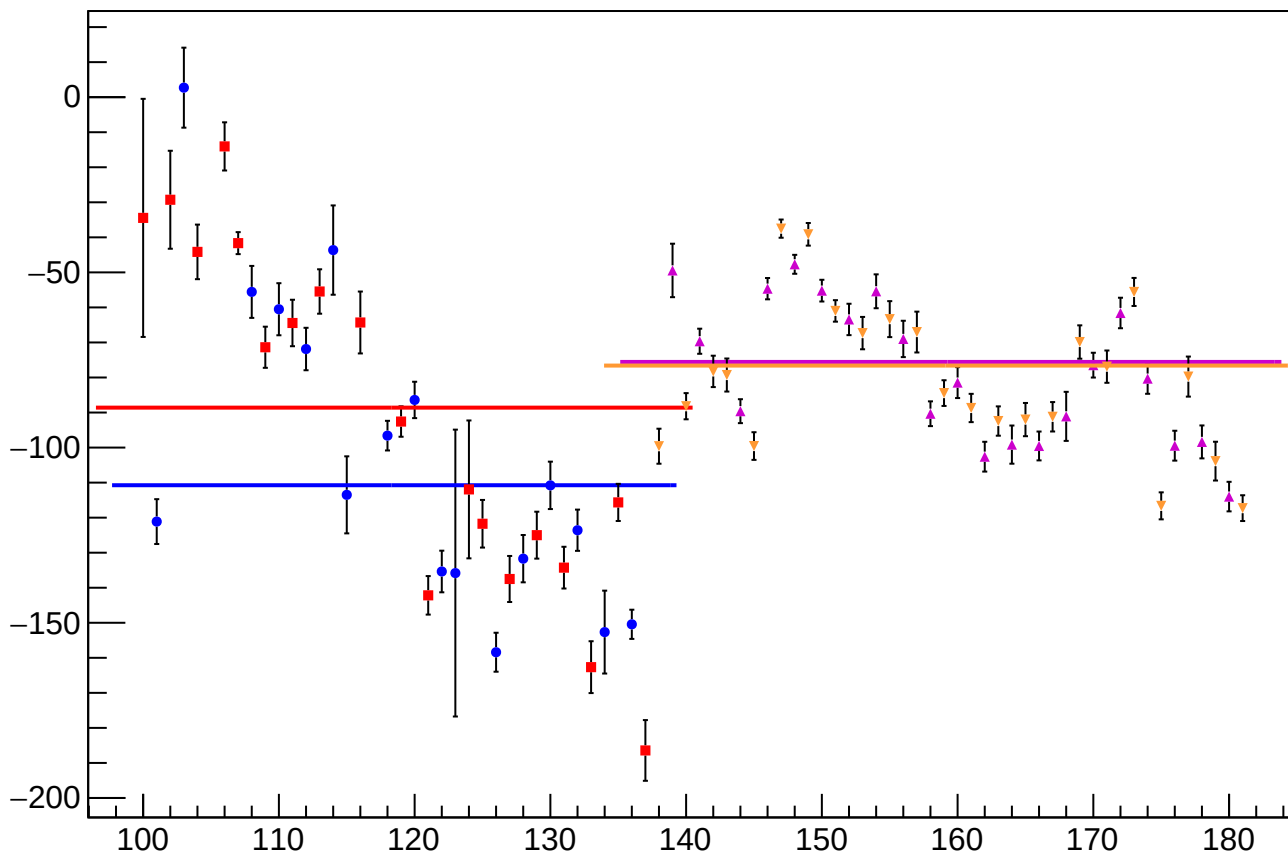
Right: -301.220 $\pm$ 1.721 χ^2/NDF : 4411.6/35

In: -241.537 $\pm$ 0.945 χ^2/NDF :3359.0/37

Out: -232.583 $\pm$ 0.911 χ^2/NDF :5664.0/41

All: -236.898 $\pm$ 0.656 χ^2/NDF : 9069.5/79

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: -76.599 ± 0.849 χ^2/NDF : 800.3/22

Right Out: -88.600 ± 1.435 χ^2/NDF : 969.7/18

Left In: -75.558 ± 0.876 χ^2/NDF : 521.4/20

Left: -76.095 ± 0.610 χ^2/NDF : 1322.4/43

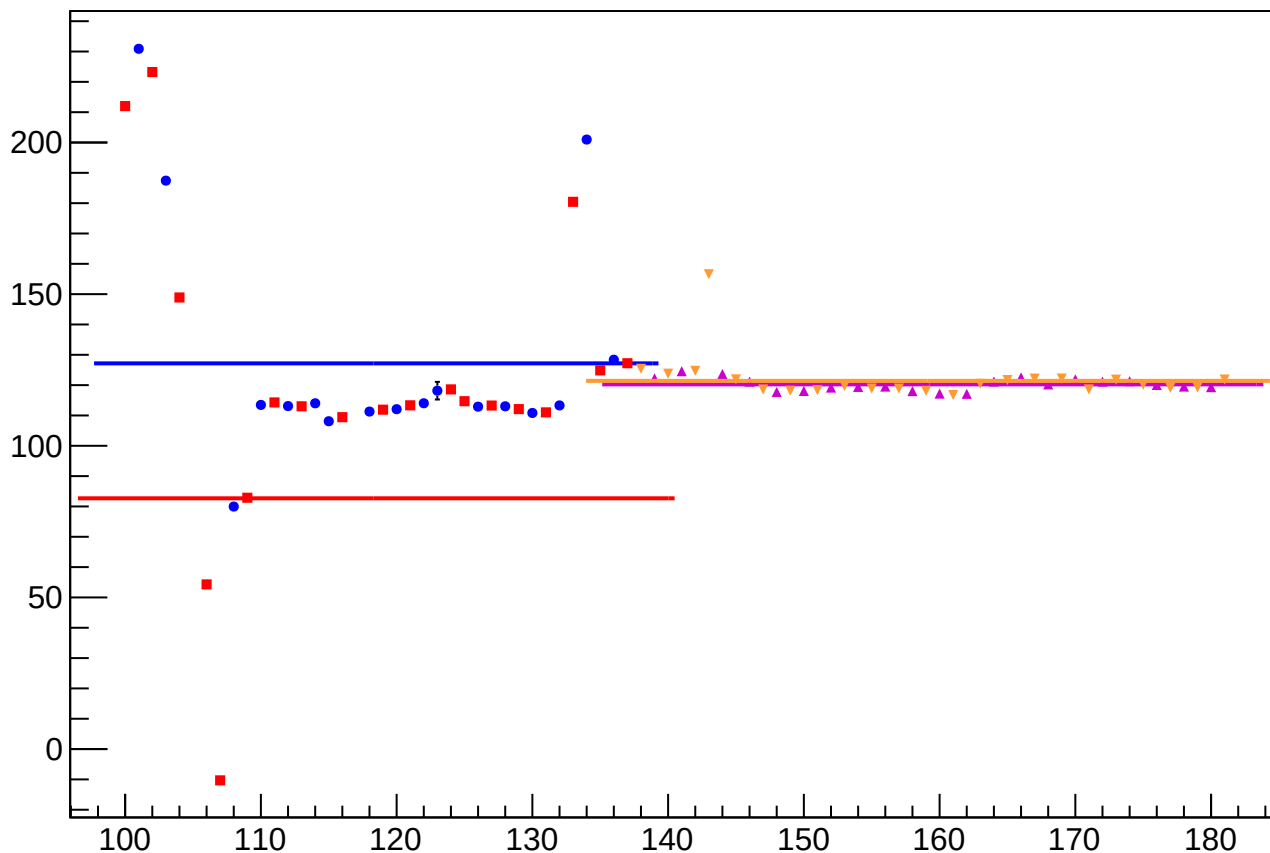
Right: -98.623 ± 1.061 χ^2/NDF : 1591.0/35

In: -83.854 ± 0.766 χ^2/NDF : 1415.0/37

Out: -79.712 ± 0.731 χ^2/NDF : 1821.8/41

All: -81.685 ± 0.529 χ^2/NDF : 3252.1/79

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: 121.413 $\pm$ 0.041 χ^2 /NDF:24171.8/22

Right Out: 82.684 $\pm$ 0.075 χ^2 /NDF: 765716.0/18

Left In: 120.247 $\pm$ 0.041 χ^2 /NDF:2593.6/20

Left: 120.835 $\pm$ 0.029 χ^2 /NDF: 27172.1/43

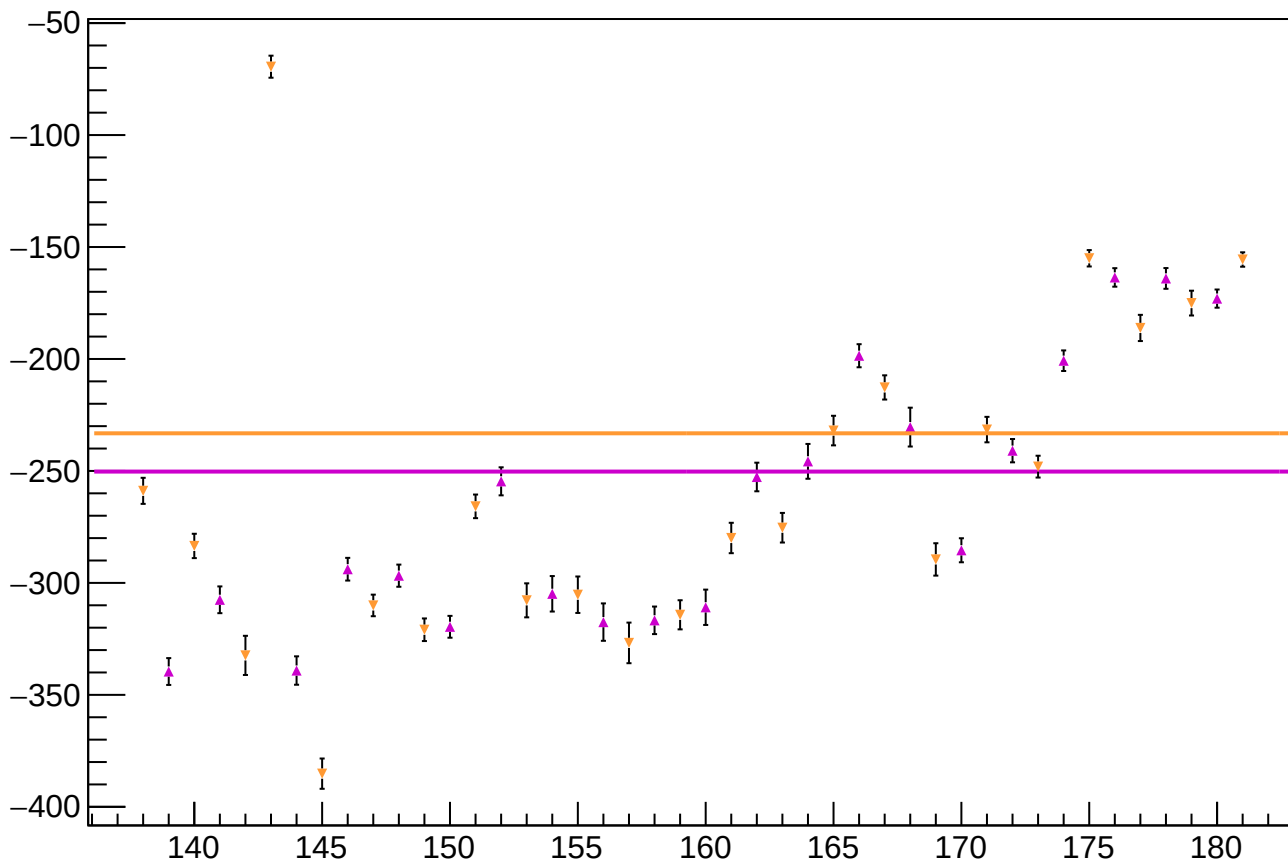
Right: 101.242 $\pm$ 0.057 χ^2 /NDF: 1099401.9/35

In: 121.463 $\pm$ 0.037 χ^2 /NDF:195644.3/37

Out: 112.658 $\pm$ 0.036 χ^2 /NDF:994623.7/41

All: 116.882 $\pm$ 0.026 χ^2 /NDF: 1219285.0/79

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: -233.196+/-1.153 χ^2/NDF : 4260.3/22

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

Left In: -250.285+/-1.215 χ^2/NDF : 2580.7/20

Left: -241.291+/-0.836 χ^2/NDF : 6945.1/43

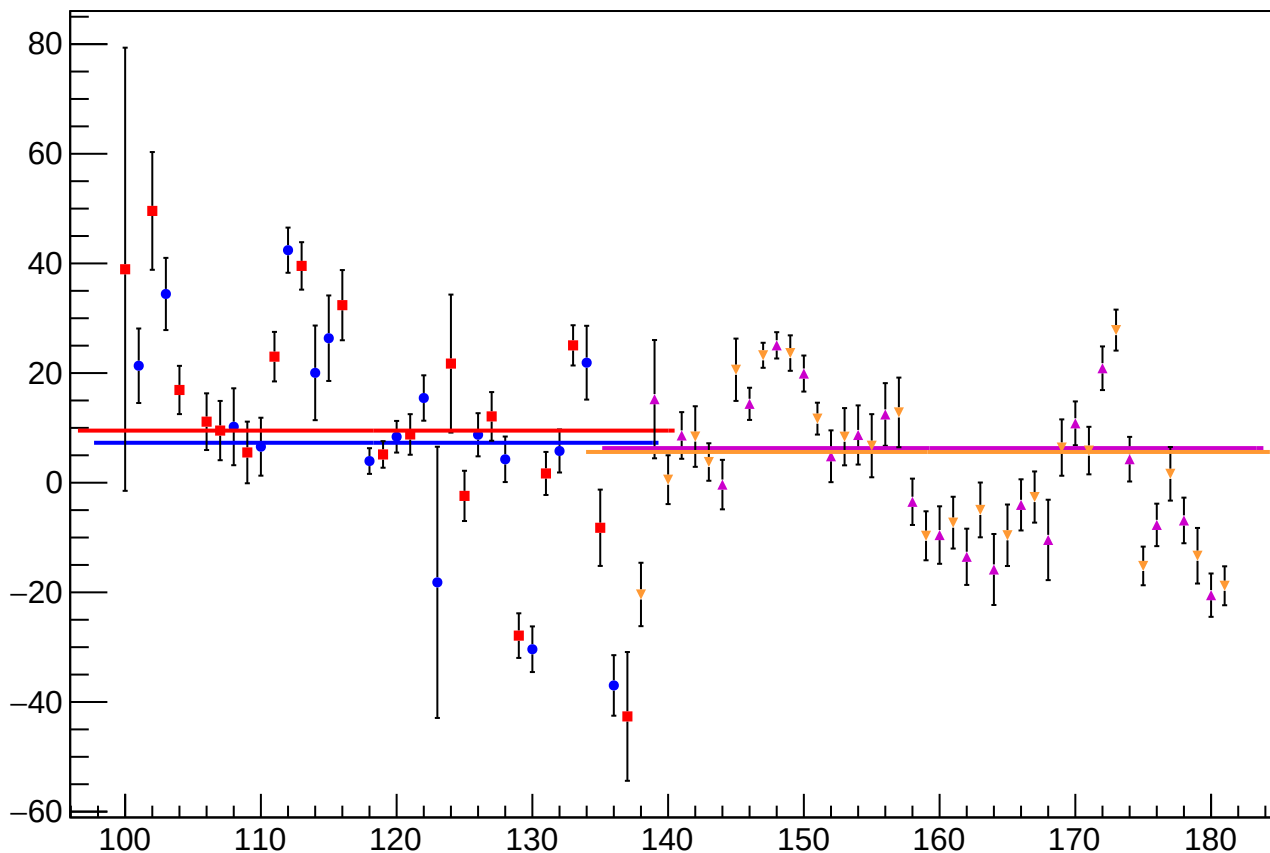
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -250.285+/-1.215 χ^2/NDF : 2580.7/20

Out: -233.196+/-1.153 χ^2/NDF : 4260.3/22

All: -241.291+/-0.836 χ^2/NDF : 6945.1/43

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: 5.609 ± 0.863 χ^2/NDF : 291.8/22

Right Out: 9.505 ± 1.074 χ^2/NDF : 231.5/18

Left In: 6.313 ± 0.914 χ^2/NDF : 225.6/20

Left: 5.941 ± 0.627 χ^2/NDF : 517.7/43

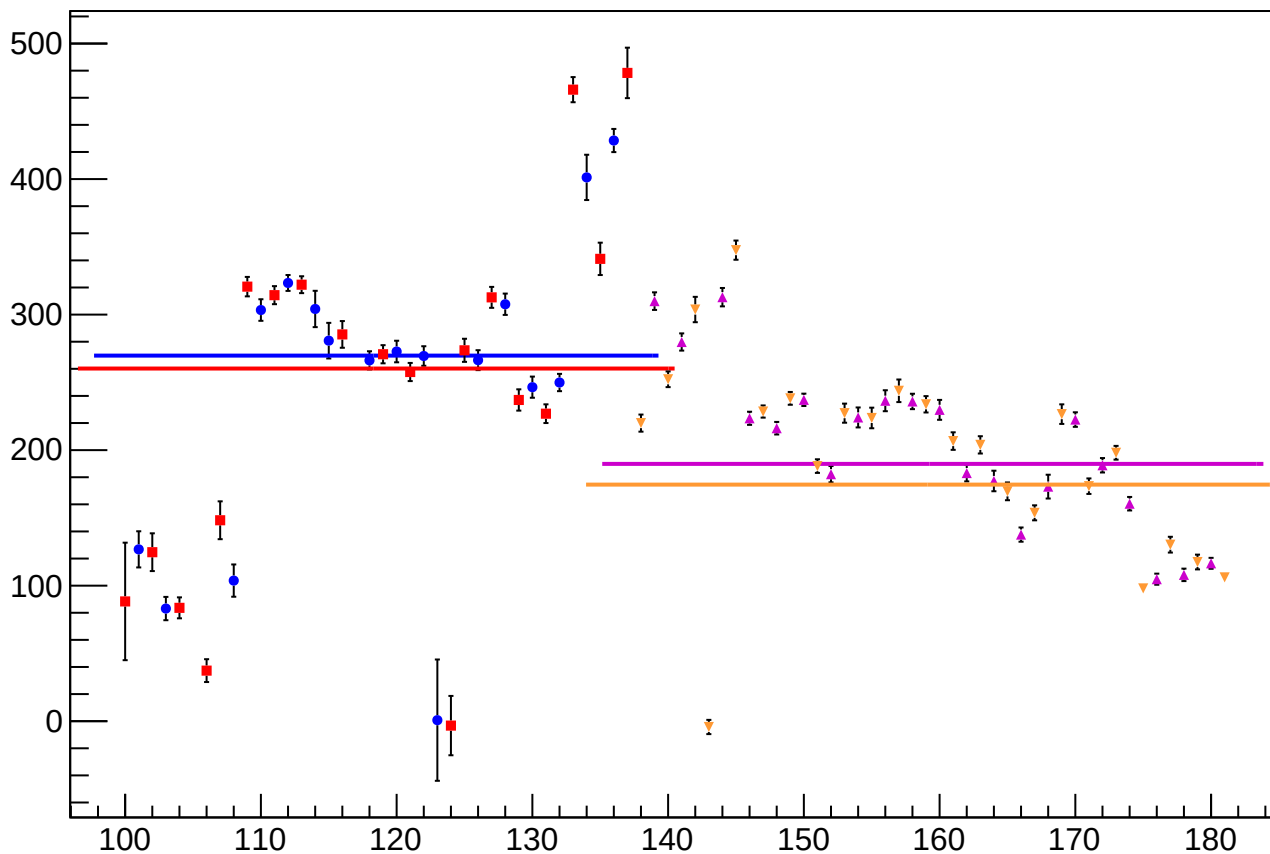
Right: 8.404 ± 0.763 χ^2/NDF : 494.7/35

In: 6.717 ± 0.699 χ^2/NDF : 487.1/37

Out: 7.137 ± 0.673 χ^2/NDF : 531.3/41

All: 6.935 ± 0.485 χ^2/NDF : 1018.6/79

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Left: 181.865 $\pm$ 0.831 χ^2/NDF : 6489.1/43

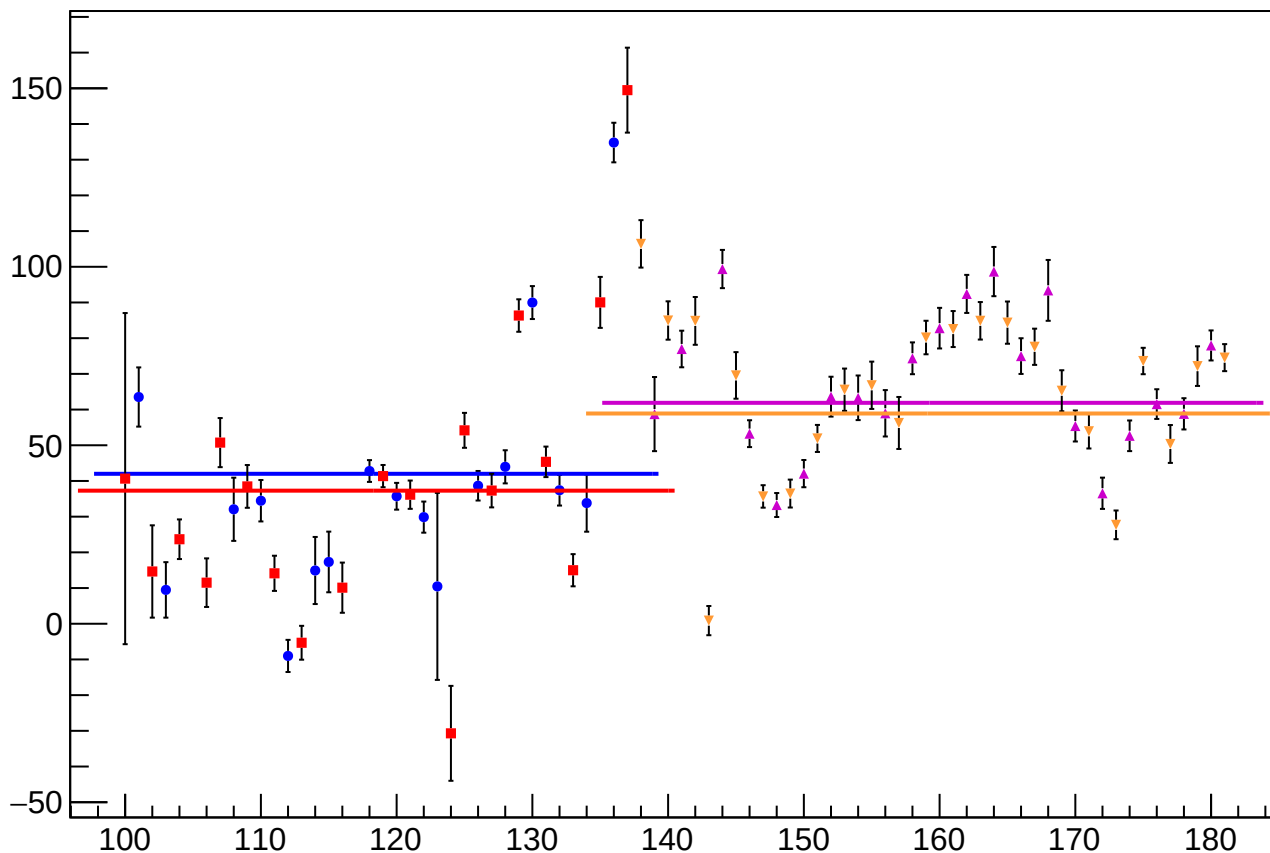
Right: 264.757 $\pm$ 1.430 χ^2/NDF : 3926.7/35

In: 209.985 $\pm$ 1.040 χ^2/NDF : 4959.8/37

Out: 196.208 $\pm$ 0.994 χ^2/NDF : 7874.7/41

All: 202.788 $\pm$ 0.719 χ^2/NDF : 12926.2/79

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.006 ± 1.255 $\chi^2/\text{NDF}: 575.6/16$

Left Out: 58.899 ± 0.998 $\chi^2/\text{NDF}: 589.9/22$

Right Out: 37.284 ± 1.237 $\chi^2/\text{NDF}: 472.6/18$

Left In: 61.890 ± 1.049 $\chi^2/\text{NDF}: 321.5/20$

Left: 60.320 ± 0.723 $\chi^2/\text{NDF}: 915.7/43$

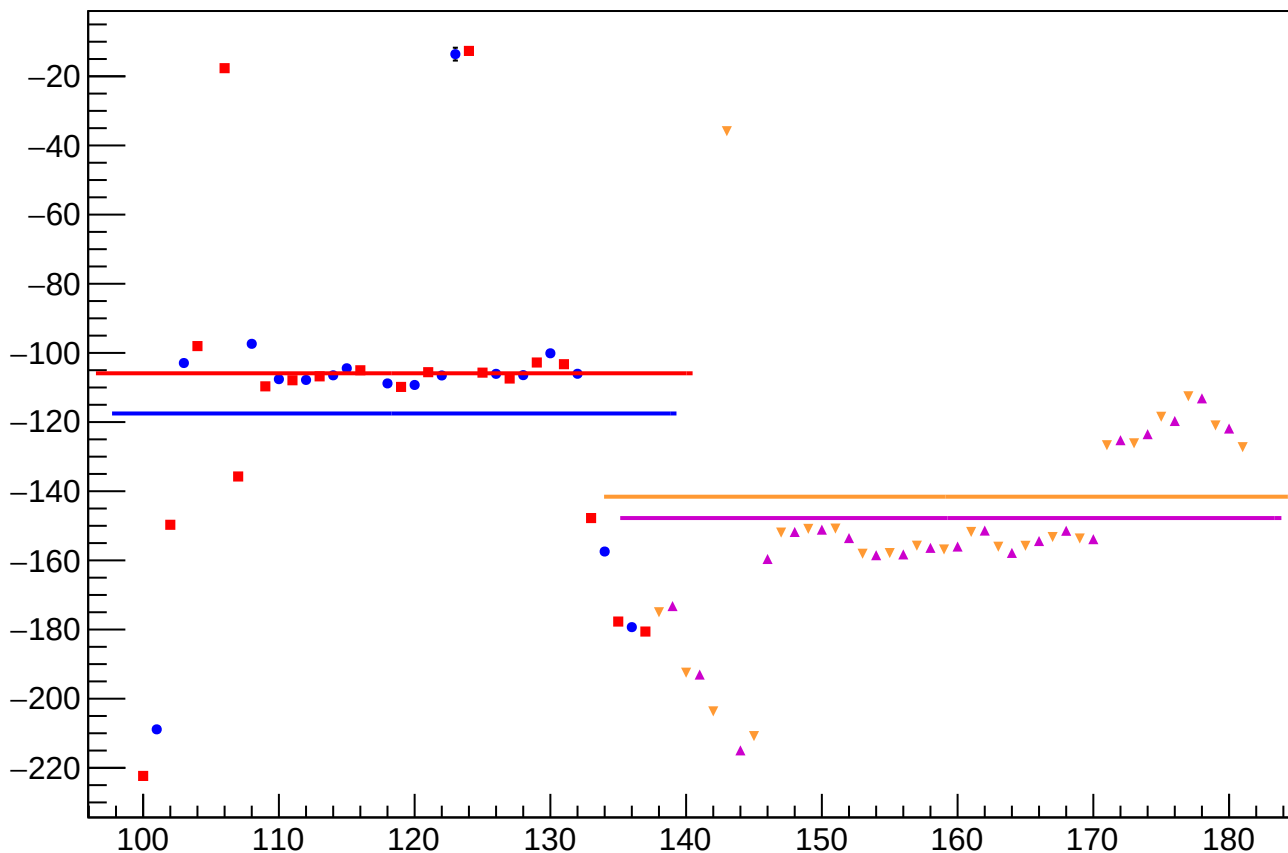
Right: 39.611 ± 0.881 $\chi^2/\text{NDF}: 1055.4/35$

In: 53.715 ± 0.805 $\chi^2/\text{NDF}: 1044.8/37$

Out: 50.374 ± 0.777 $\chi^2/\text{NDF}: 1247.3/41$

All: 51.985 ± 0.559 $\chi^2/\text{NDF}: 2301.1/79$

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -117.516 ± 0.078 χ^2/NDF : 142016.6/16

Left Out: -141.583 ± 0.048 χ^2/NDF : 492387.6/22

Right Out: -105.892 ± 0.073 χ^2/NDF : 324304.4/18

Left In: -147.759 ± 0.049 χ^2/NDF : 205330.6/20

Left: -144.593 ± 0.034 χ^2/NDF : 705862.4/43

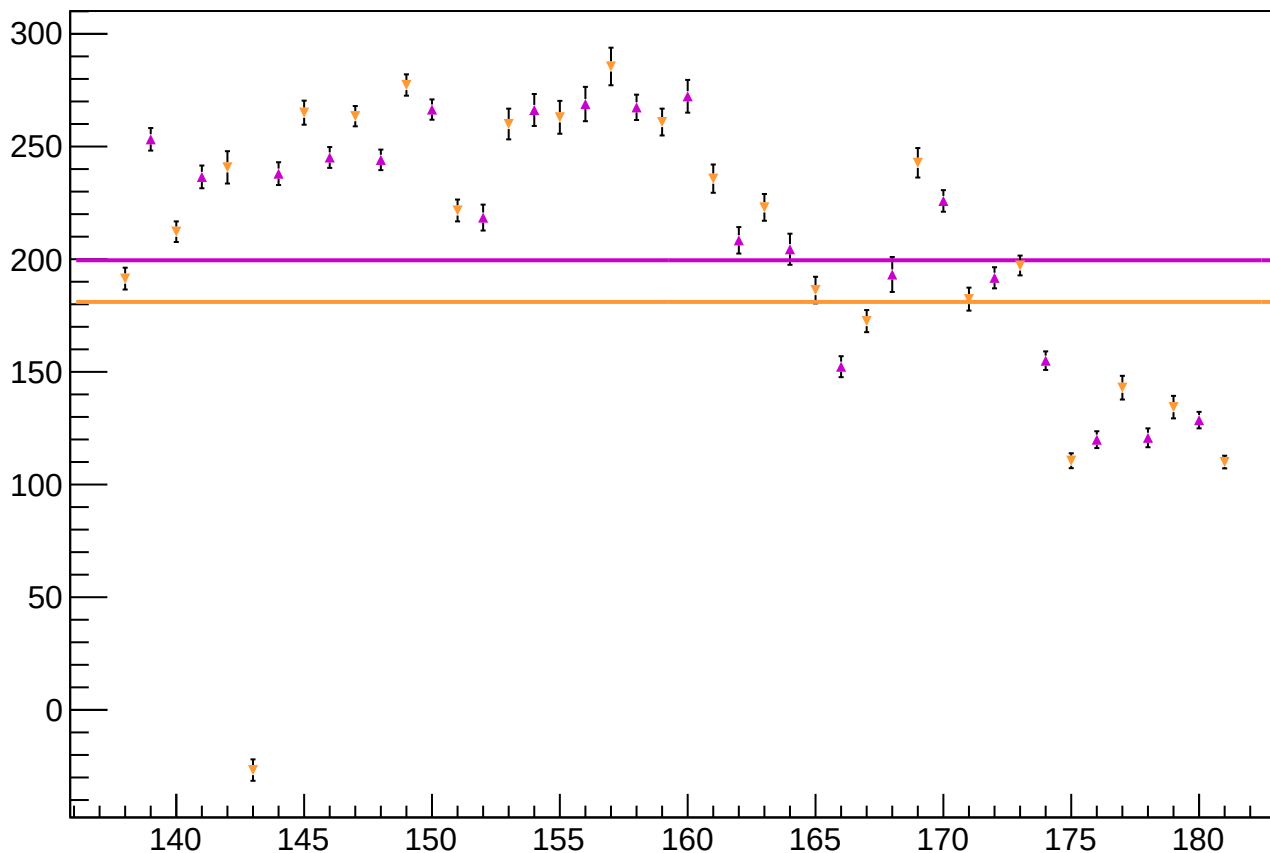
Right: -111.303 ± 0.053 χ^2/NDF : 478188.8/35

In: -139.203 ± 0.041 χ^2/NDF : 455145.9/37

Out: -130.839 ± 0.040 χ^2/NDF : 984694.8/41

All: -134.862 ± 0.029 χ^2/NDF : 1460933.2/79

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: 181.054+/-1.031 χ^2/NDF :5156.2/22

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

Left In: 199.531+/-1.088 χ^2/NDF :2510.1/20

Left: 189.801+/-0.748 χ^2/NDF : 7818.2/43

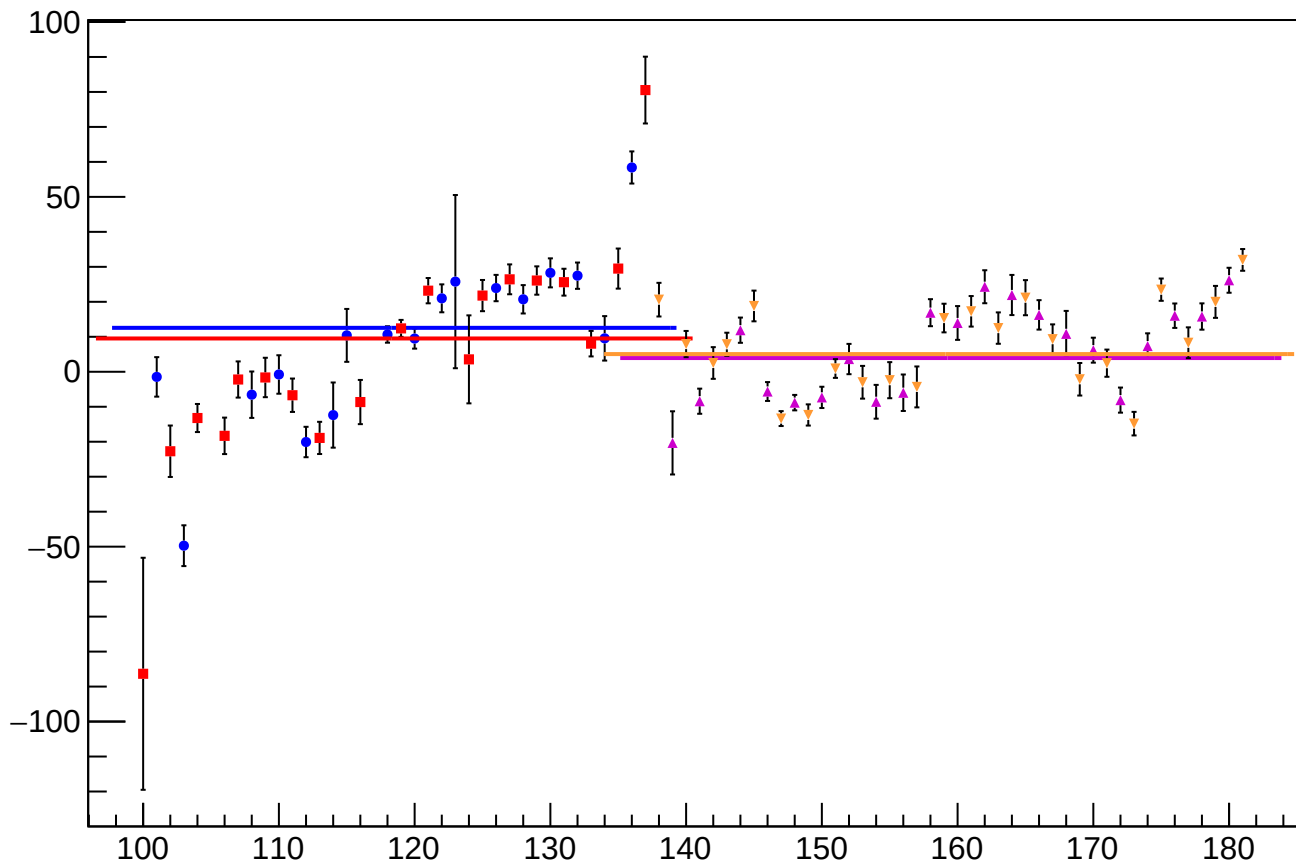
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 199.531+/-1.088 χ^2/NDF :2510.1/20

Out: 181.054+/-1.031 χ^2/NDF :5156.2/22

All: 189.801+/-0.748 χ^2/NDF : 7818.2/43

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: 5.057+/-0.779 χ^2/NDF : 325.3/22

Right Out: 9.519+/-1.051 χ^2/NDF : 296.2/18

Left In: 3.923+/-0.823 χ^2/NDF : 220.9/20

Left: 4.521+/-0.566 χ^2/NDF : 547.2/43

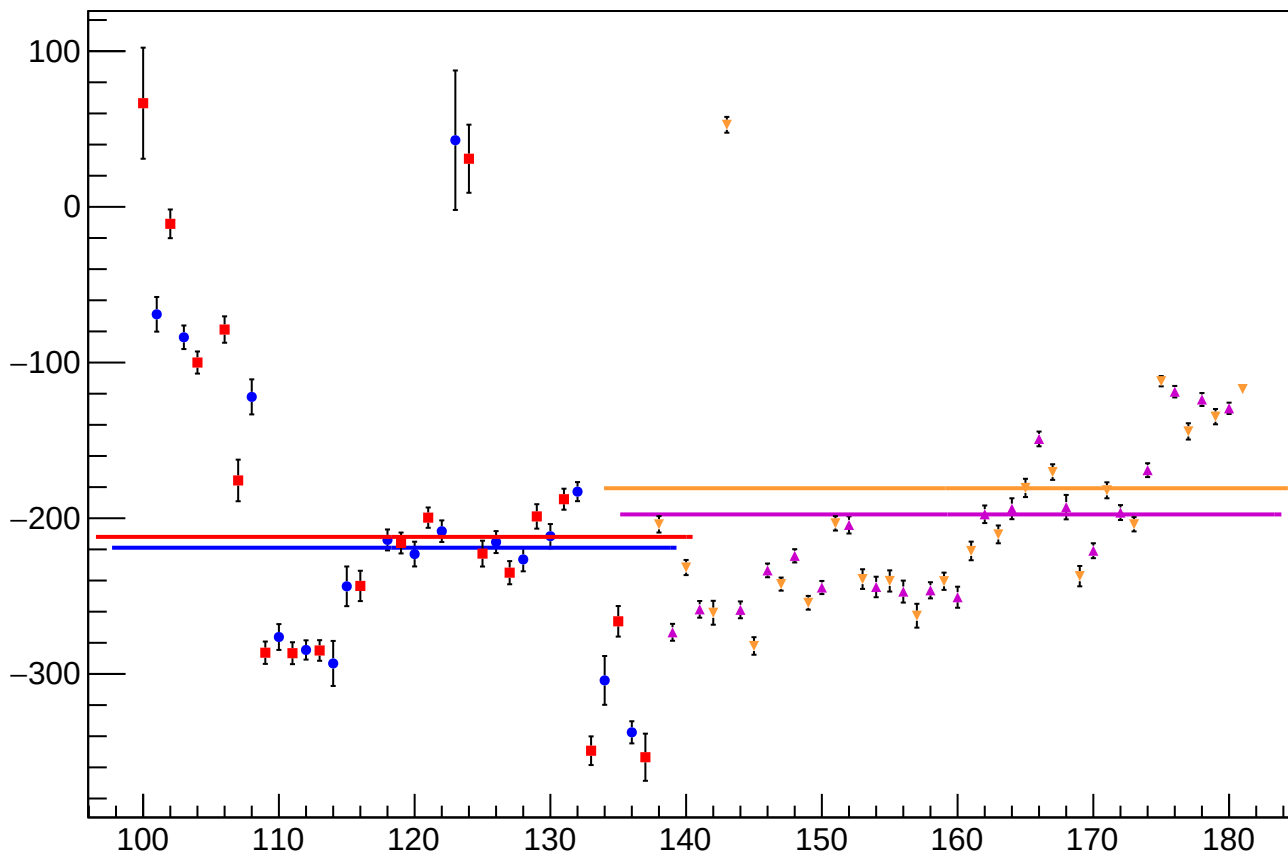
Right: 11.033+/-0.745 χ^2/NDF : 648.2/35

In: 7.187+/-0.649 χ^2/NDF : 610.3/37

Out: 6.641+/-0.626 χ^2/NDF : 633.2/41

All: 6.904+/-0.450 χ^2/NDF : 1243.9/79

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -218.925 ± 2.006 χ^2/NDF : 1146.6/16

Left Out: -180.723 ± 1.032 χ^2/NDF : 4802.8/22

Right Out: -211.968 ± 1.924 χ^2/NDF : 1886.2/18

Left In: -197.540 ± 1.079 χ^2/NDF : 2223.8/20

Left: -188.755 ± 0.746 χ^2/NDF : 7153.4/43

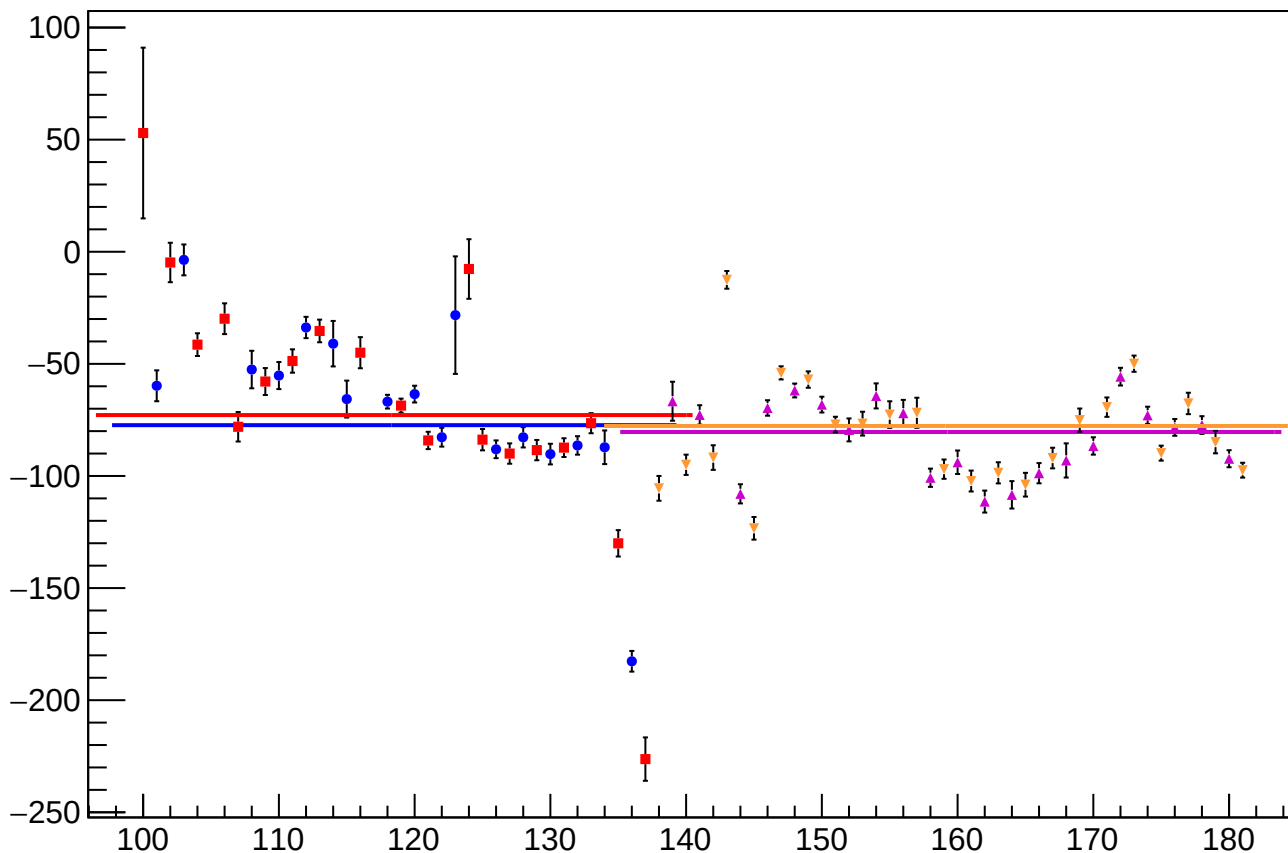
Right: -215.302 ± 1.389 χ^2/NDF : 3039.1/35

In: -202.341 ± 0.950 χ^2/NDF : 3458.5/37

Out: -187.701 ± 0.909 χ^2/NDF : 6893.7/41

All: -194.698 ± 0.657 χ^2/NDF : 10476.1/79

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: -77.691 ± 0.900 χ^2/NDF : 718.1/22

Right Out: -72.836 ± 1.209 χ^2/NDF : 672.9/18

Left In: -80.389 ± 0.944 χ^2/NDF : 283.4/20

Left: -78.976 ± 0.651 χ^2/NDF : 1005.7/43

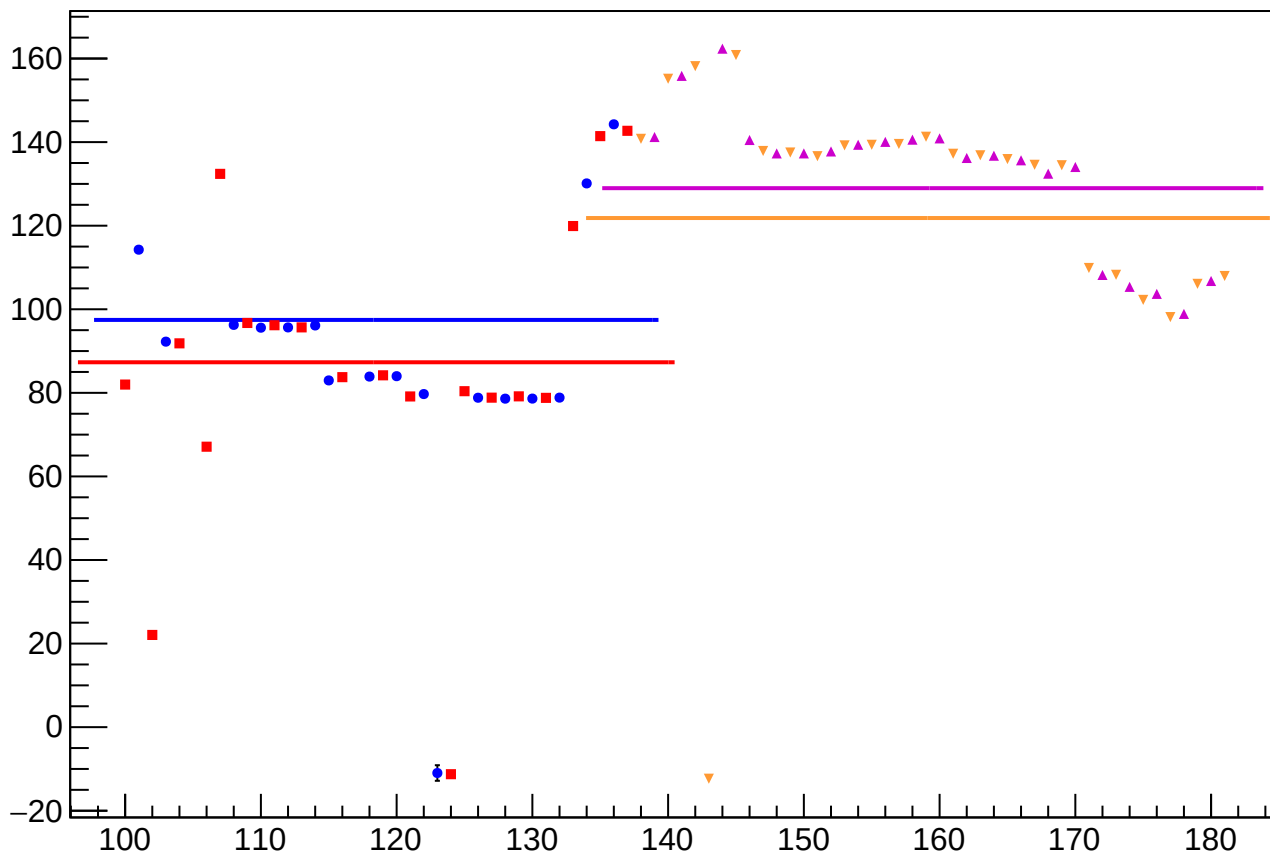
Right: -75.069 ± 0.858 χ^2/NDF : 1497.0/35

In: -79.248 ± 0.746 χ^2/NDF : 1104.5/37

Out: -75.960 ± 0.722 χ^2/NDF : 1401.3/41

All: -77.549 ± 0.519 χ^2/NDF : 2515.9/79

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: 121.833+/-0.043 χ^2/NDF : 629820.0/22

Right Out: 87.315+/-0.068 χ^2/NDF : 221837.7/18

Left In: 128.978+/-0.044 χ^2/NDF : 160447.8/20

Left: 125.318+/-0.031 χ^2/NDF : 803812.3/43

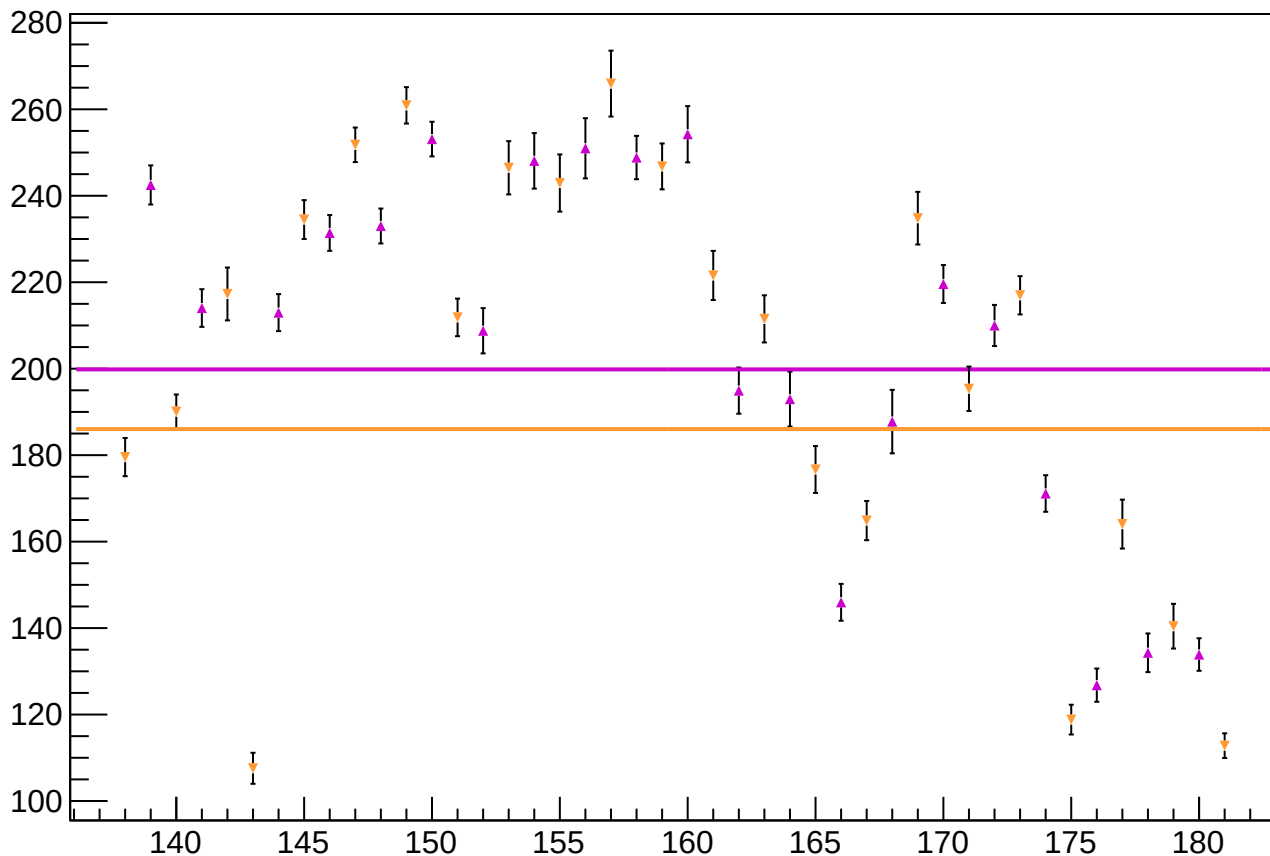
Right: 92.024+/-0.050 χ^2/NDF : 326563.7/35

In: 120.639+/-0.038 χ^2/NDF : 391109.9/37

Out: 112.063+/-0.036 χ^2/NDF : 1035096.9/41

All: 116.192+/-0.026 χ^2/NDF : 1453075.4/79

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: 186.035+/-0.961 χ^2/NDF :2992.3/22

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

Left In: 199.837+/-1.022 χ^2/NDF :1808.8/20

Left: 192.511+/-0.700 χ^2/NDF : 4897.9/43

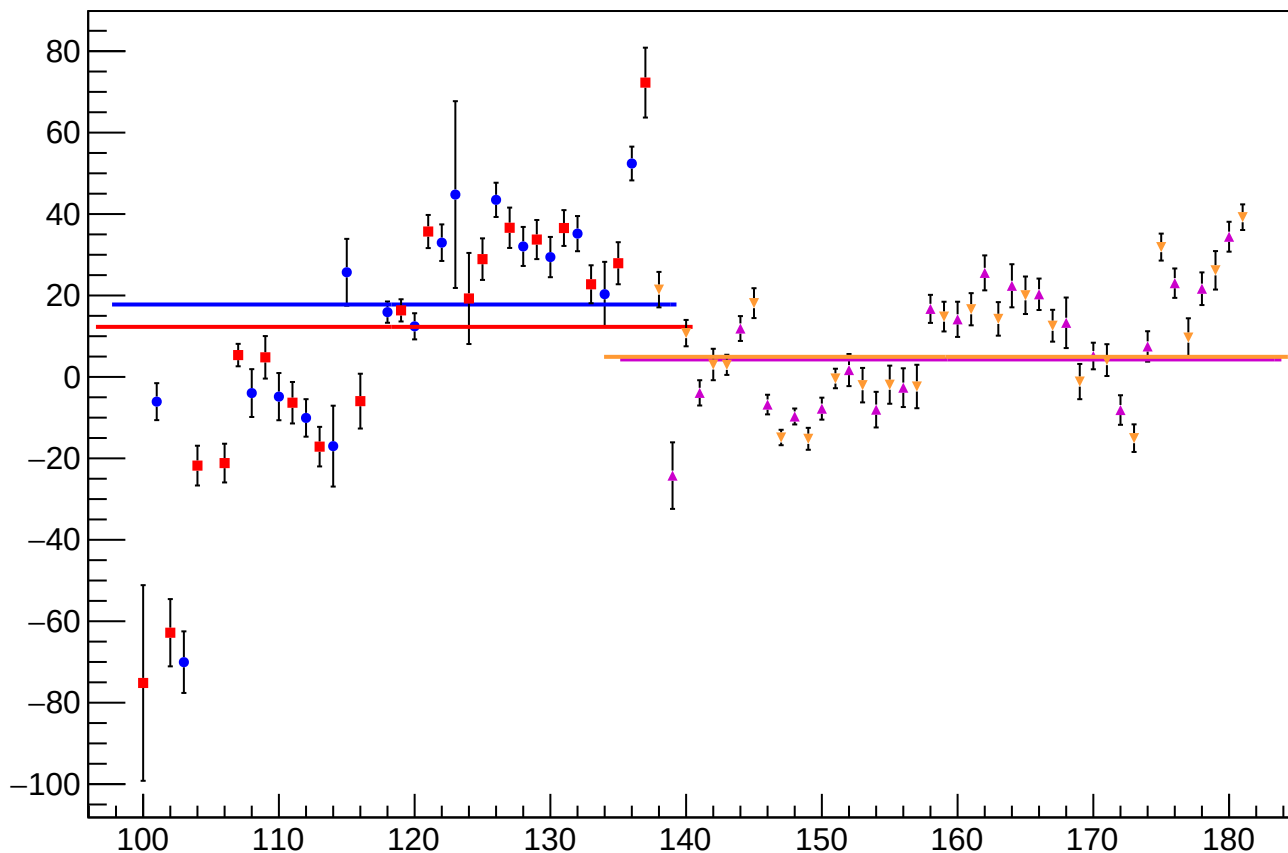
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 199.837+/-1.022 χ^2/NDF :1808.8/20

Out: 186.035+/-0.961 χ^2/NDF :2992.3/22

All: 192.511+/-0.700 χ^2/NDF : 4897.9/43

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: 4.935+/-0.711 χ^2/NDF : 486.8/22

Right Out: 12.294+/-1.086 χ^2/NDF : 443.7/18

Left In: 4.294+/-0.760 χ^2/NDF : 327.5/20

Left: 4.636+/-0.519 χ^2/NDF : 814.7/43

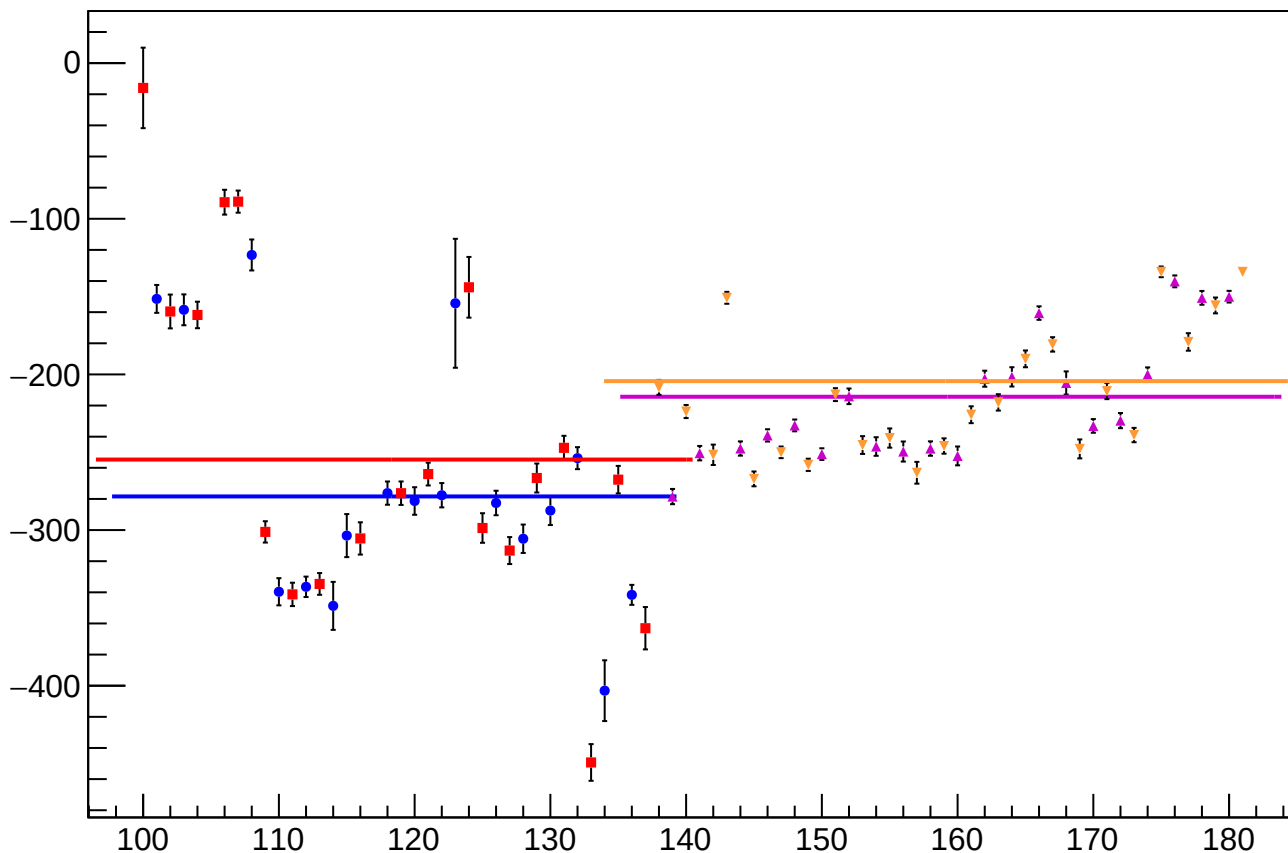
Right: 14.891+/-0.788 χ^2/NDF : 850.9/35

In: 8.412+/-0.633 χ^2/NDF : 818.9/37

Out: 7.143+/-0.595 χ^2/NDF : 962.7/41

All: 7.738+/-0.434 χ^2/NDF : 1783.7/79

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Left: -209.070 ± 0.698 $\chi^2/\text{NDF}: 3995.6/43$

Right: -265.715 ± 1.478 $\chi^2/\text{NDF}: 3013.0/35$

In: -225.826 ± 0.918 $\chi^2/\text{NDF}: 3303.2/37$

Out: -213.628 ± 0.869 $\chi^2/\text{NDF}: 4813.5/41$

All: -219.393 ± 0.631 $\chi^2/\text{NDF}: 8209.9/79$

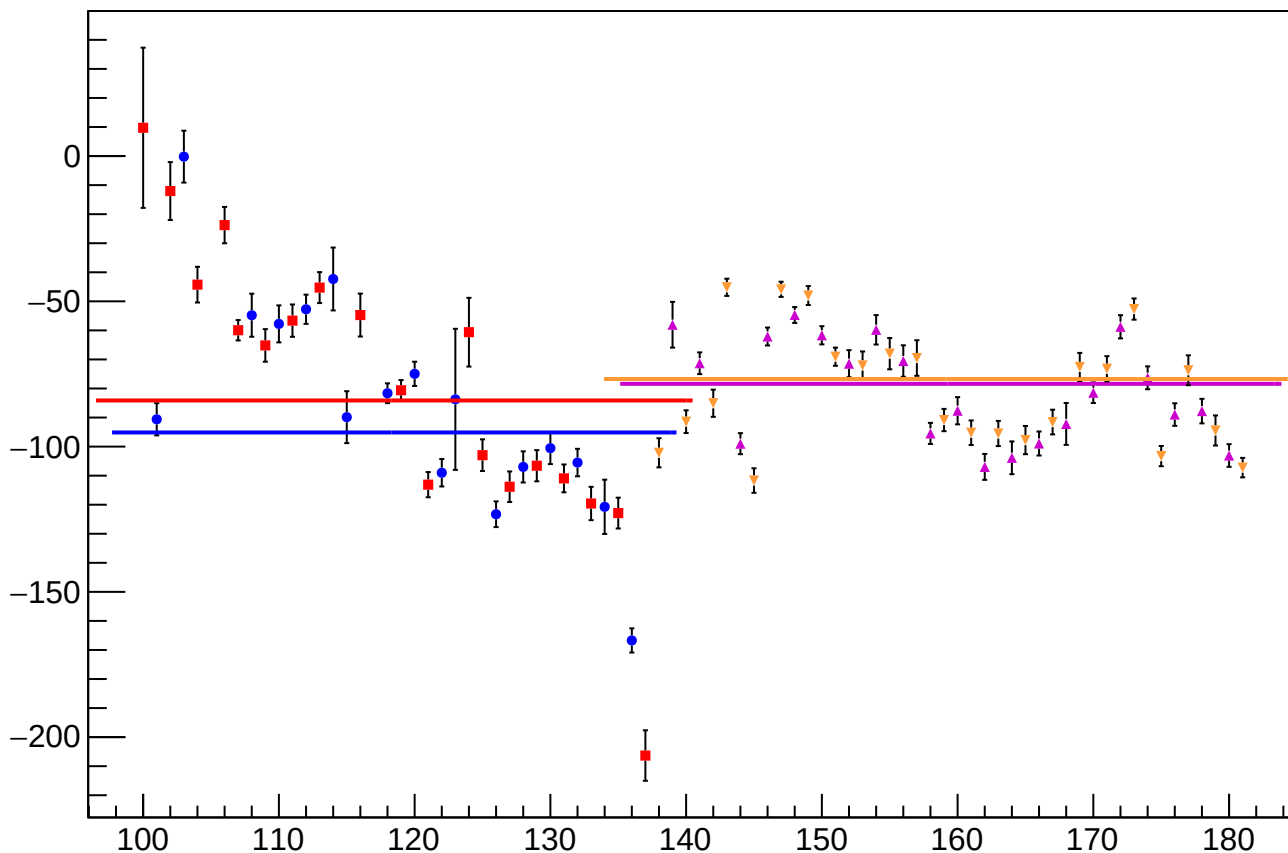
Right In: -278.393 ± 2.168 $\chi^2/\text{NDF}: 910.5/16$

Left Out: -204.308 ± 0.962 $\chi^2/\text{NDF}: 2267.8/22$

Right Out: -254.703 ± 2.020 $\chi^2/\text{NDF}: 2038.5/18$

Left In: -214.348 ± 1.013 $\chi^2/\text{NDF}: 1676.1/20$

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: -76.738 ± 0.827 $\chi^2/\text{NDF}: 733.4/22$

Right Out: -84.124 ± 1.259 $\chi^2/\text{NDF}: 782.9/18$

Left In: -78.394 ± 0.877 $\chi^2/\text{NDF}: 384.9/20$

Left: -77.517 ± 0.602 $\chi^2/\text{NDF}: 1120.2/43$

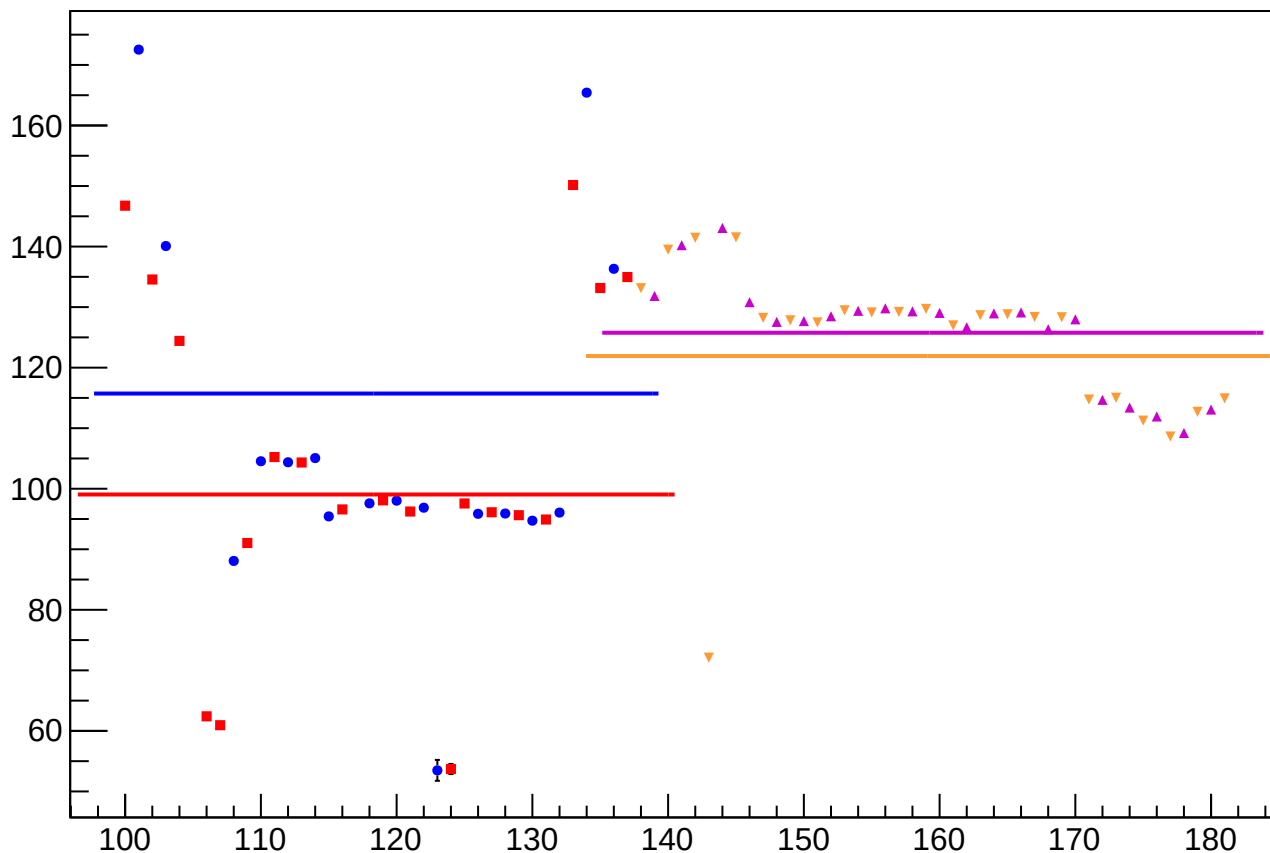
Right: -89.357 ± 0.912 $\chi^2/\text{NDF}: 1494.2/35$

In: -83.511 ± 0.731 $\chi^2/\text{NDF}: 1171.1/37$

Out: -78.966 ± 0.691 $\chi^2/\text{NDF}: 1540.3/41$

All: -81.111 ± 0.502 $\chi^2/\text{NDF}: 2731.8/79$

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: 121.920 $\pm$ 0.040 χ^2 /NDF:162454.1/22

Right Out: 99.049 $\pm$ 0.069 χ^2 /NDF: 173463.3/18

Left In: 125.766 $\pm$ 0.041 χ^2 /NDF:44867.5/20

Left: 123.780 $\pm$ 0.029 χ^2 /NDF: 211845.0/43

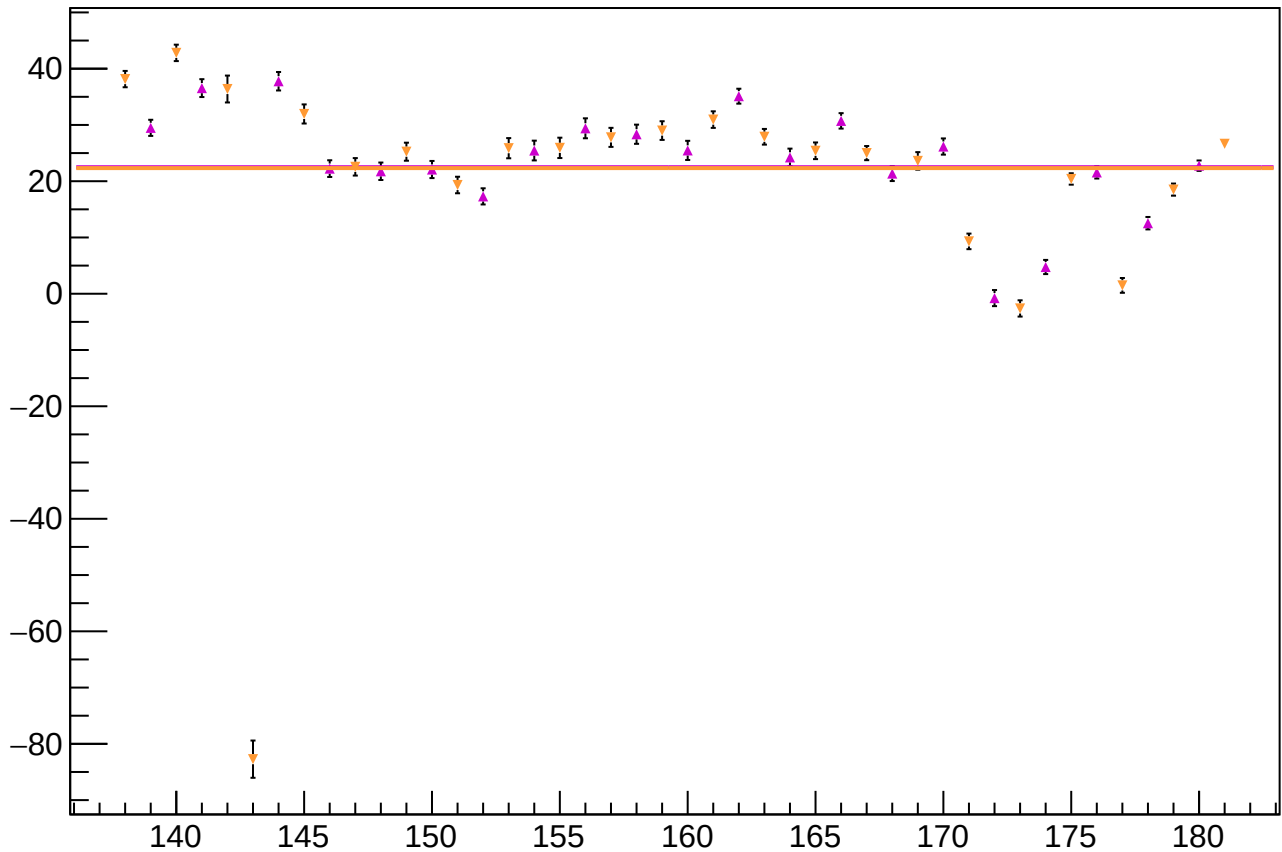
Right: 106.312 $\pm$ 0.051 χ^2 /NDF: 305658.4/35

In: 123.583 $\pm$ 0.036 χ^2 /NDF:164235.3/37

Out: 116.154 $\pm$ 0.034 χ^2 /NDF:419280.8/41

All: 119.663 $\pm$ 0.025 χ^2 /NDF: 605550.4/79

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 22.330+/-0.296 χ^2/NDF :2169.7/22

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

Left In: 22.489+/-0.303 χ^2/NDF :915.5/20

Left: 22.408+/-0.212 χ^2/NDF : 3085.3/43

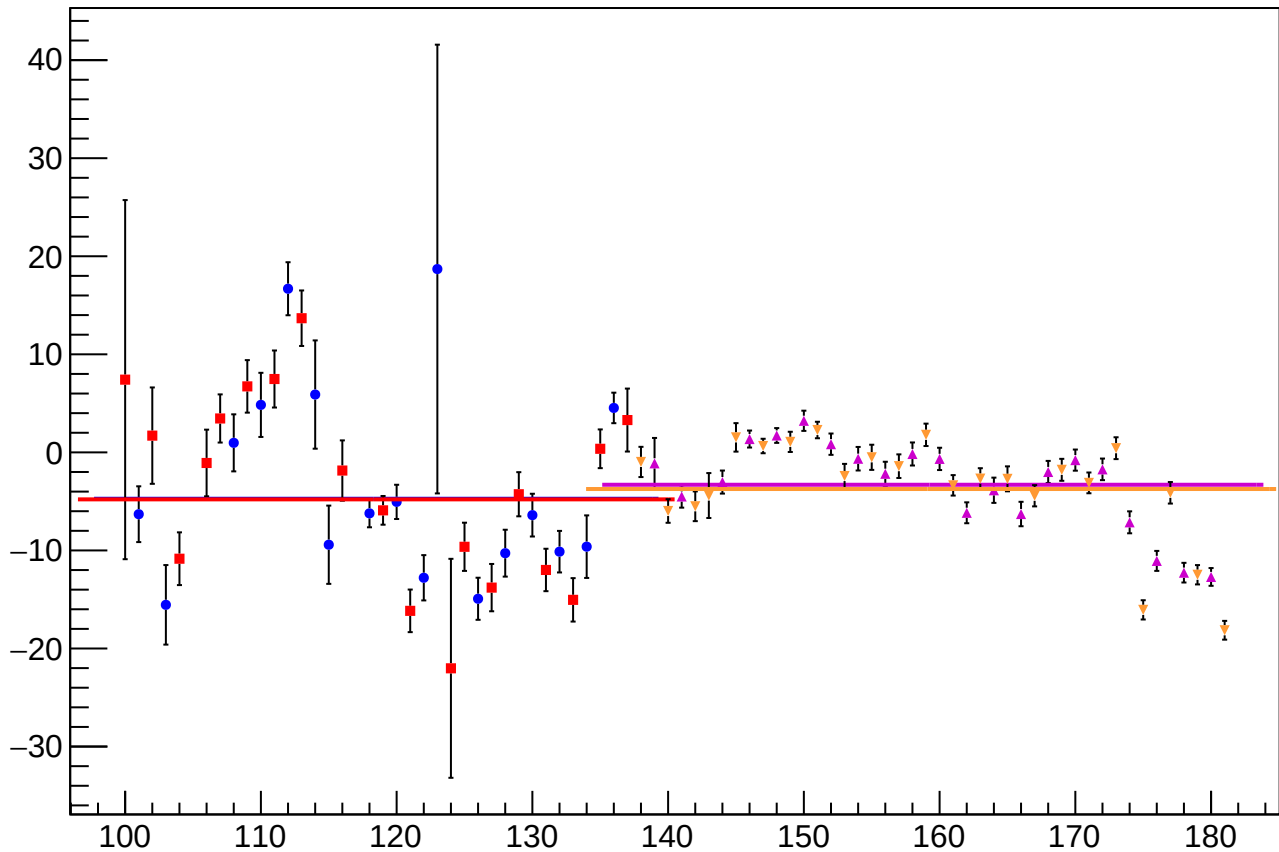
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 22.489+/-0.303 χ^2/NDF :915.5/20

Out: 22.330+/-0.296 χ^2/NDF :2169.7/22

All: 22.408+/-0.212 χ^2/NDF : 3085.3/43

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: -3.737 ± 0.230 χ^2/NDF : 646.7/22

Right Out: -4.793 ± 0.586 χ^2/NDF : 193.5/18

Left In: -3.303 ± 0.236 χ^2/NDF : 427.4/20

Left: -3.525 ± 0.165 χ^2/NDF : 1075.8/43

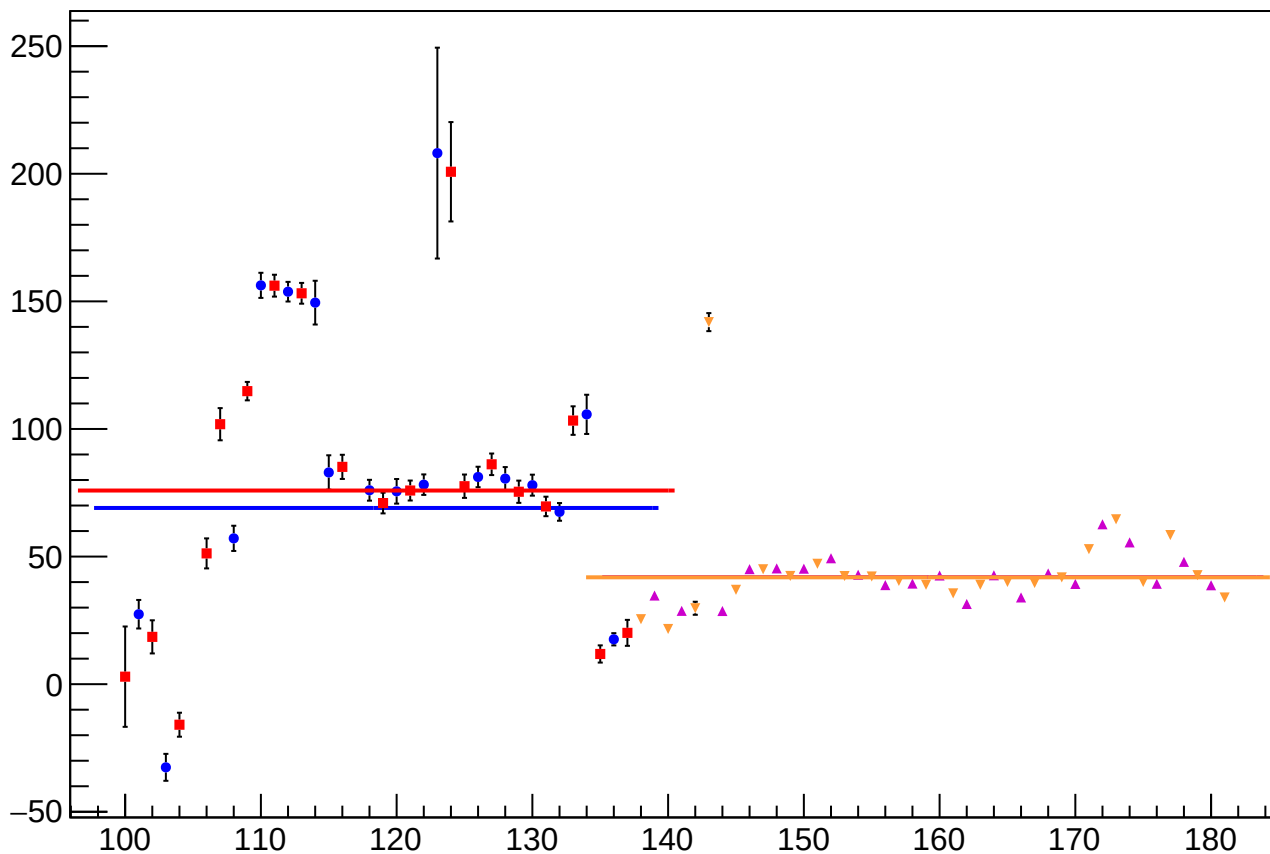
Right: -4.761 ± 0.412 χ^2/NDF : 368.3/35

In: -3.506 ± 0.219 χ^2/NDF : 607.5/37

Out: -3.878 ± 0.214 χ^2/NDF : 842.9/41

All: -3.696 ± 0.153 χ^2/NDF : 1451.9/79

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 69.048 ± 1.077 χ^2/NDF : 1847.9/16

Left Out: 41.875 ± 0.295 χ^2/NDF : 1693.5/22

Right Out: 75.878 ± 1.069 χ^2/NDF : 1895.0/18

Left In: 41.987 ± 0.300 χ^2/NDF : 644.3/20

Left: 41.930 ± 0.210 χ^2/NDF : 2337.9/43

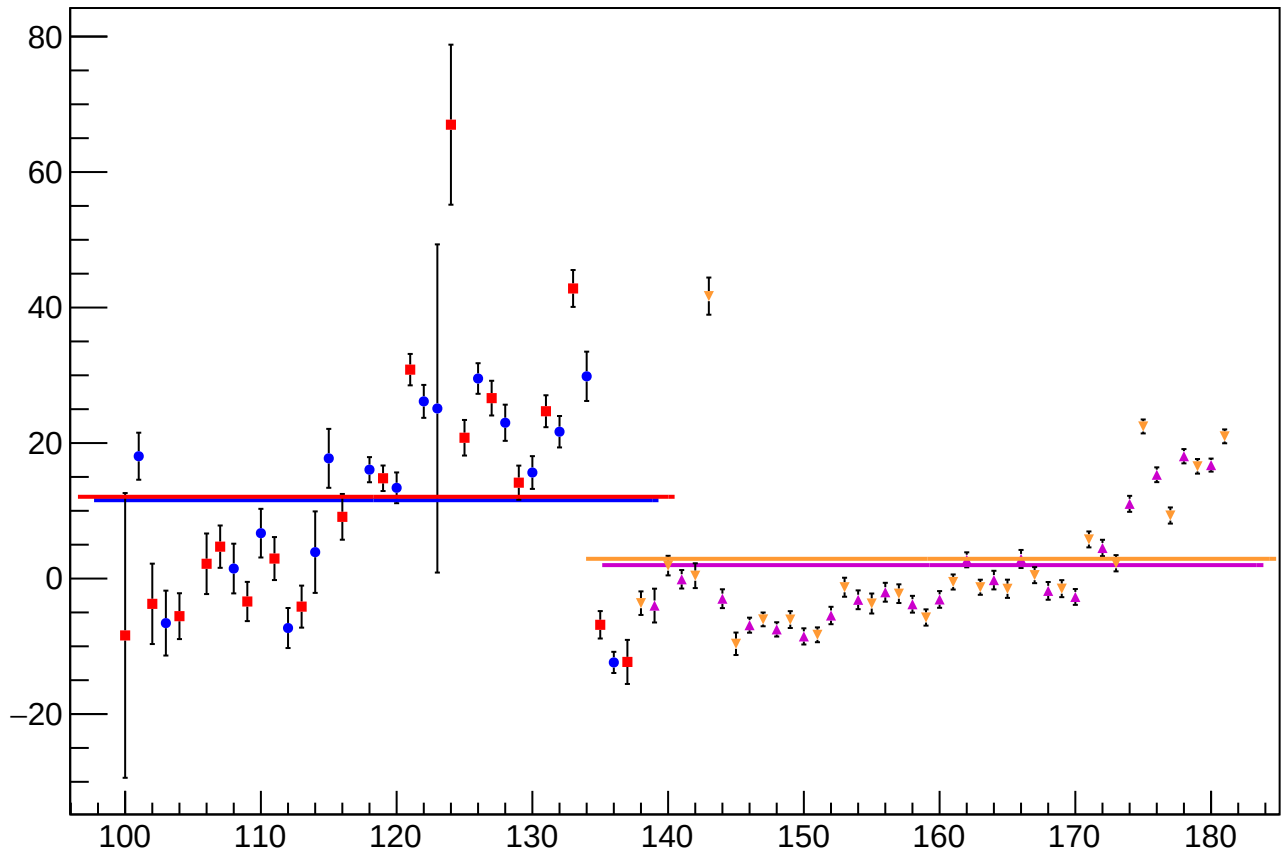
Right: 72.486 ± 0.759 χ^2/NDF : 3763.1/35

In: 43.937 ± 0.289 χ^2/NDF : 3078.4/37

Out: 44.275 ± 0.284 χ^2/NDF : 4528.0/41

All: 44.109 ± 0.203 χ^2/NDF : 7607.1/79

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.565 $\pm$ 0.658 χ^2 /NDF: 478.2/16

Left Out: 2.916 $\pm$ 0.261 χ^2 /NDF:1523.6/22

Right Out: 12.071 $\pm$ 0.665 χ^2 /NDF: 543.3/18

Left In: 1.986 $\pm$ 0.267 χ^2 /NDF:1044.7/20

Left: 2.461 $\pm$ 0.187 χ^2 /NDF: 2574.5/43

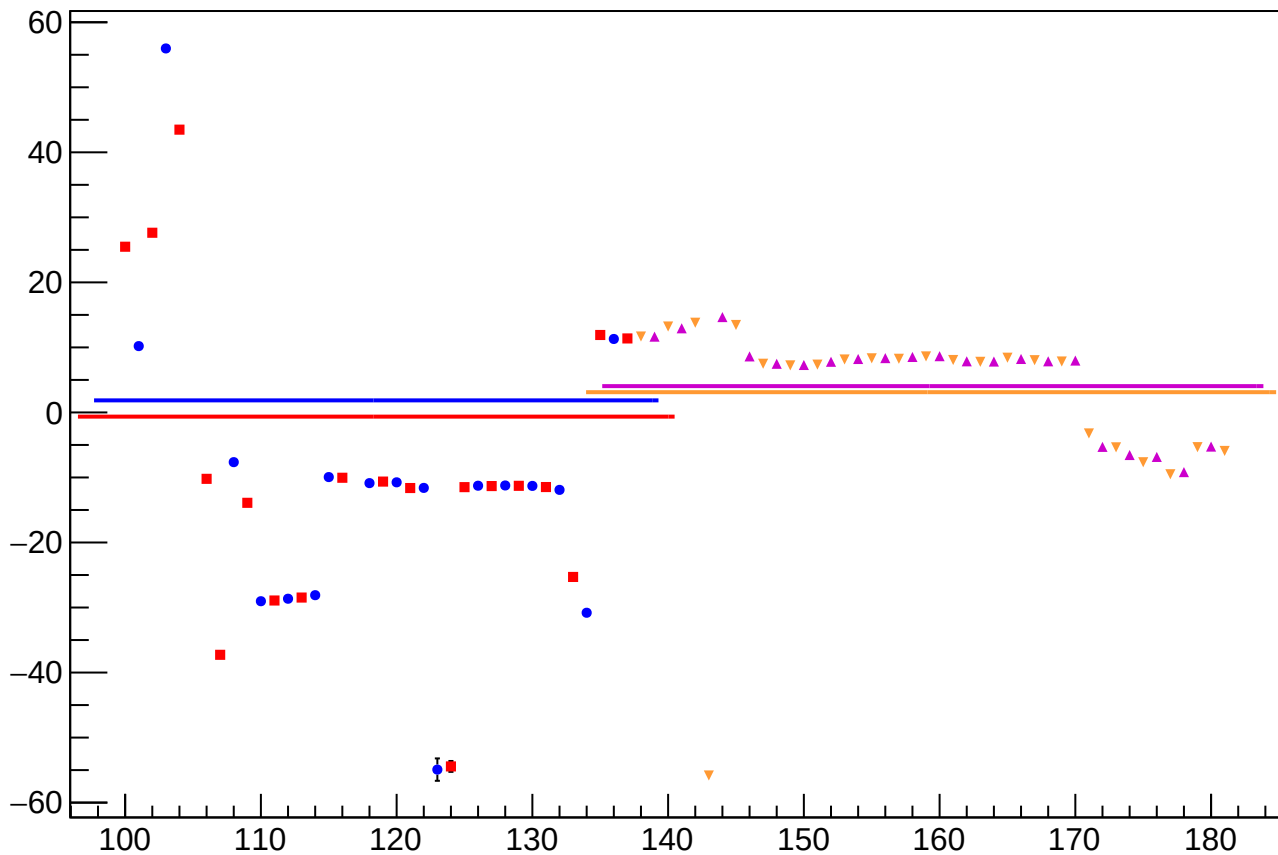
Right: 11.816 $\pm$ 0.468 χ^2 /NDF: 1021.8/35

In: 3.340 $\pm$ 0.247 χ^2 /NDF:1704.8/37

Out: 4.141 $\pm$ 0.243 χ^2 /NDF:2231.3/41

All: 3.748 $\pm$ 0.173 χ^2 /NDF: 3941.4/79

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.855+/-0.037 χ^2/NDF : 359414.1/16

Left Out: 3.115+/-0.012 χ^2/NDF :553301.6/22

Right Out: -0.644+/-0.037 χ^2/NDF : 361625.7/18

Left In: 4.047+/-0.012 χ^2/NDF :360404.2/20

Left: 3.578+/-0.009 χ^2/NDF : 916684.5/43

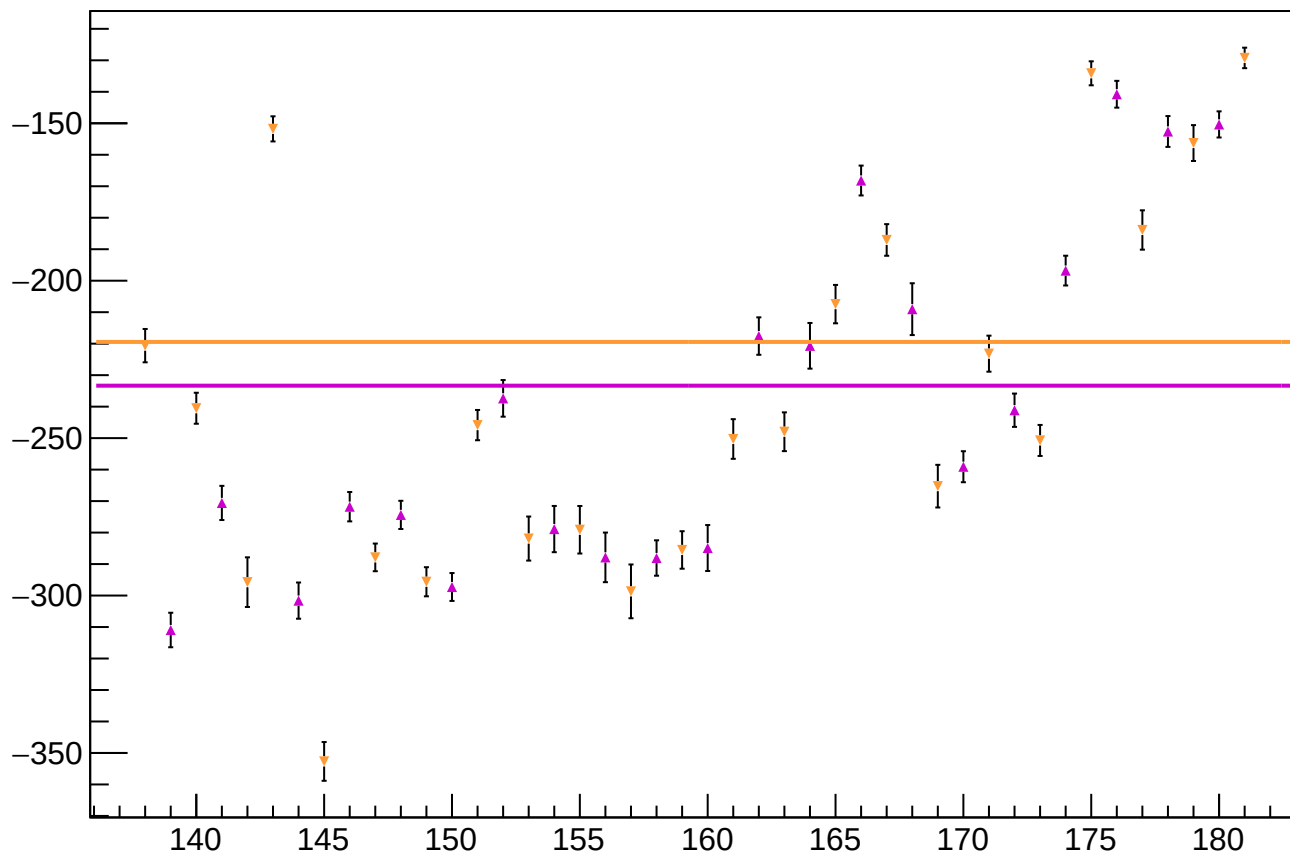
Right: 0.608+/-0.026 χ^2/NDF : 723318.4/35

In: 3.835+/-0.012 χ^2/NDF :722987.1/37

Out: 2.756+/-0.011 χ^2/NDF :924238.0/41

All: 3.293+/-0.008 χ^2/NDF : 1651640.3/79

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: -219.447+/-1.094 χ^2/NDF :3365.9/22

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

Left In: -233.340+/-1.161 χ^2/NDF :2421.8/20

Left: -225.983+/-0.796 χ^2/NDF : 5863.6/43

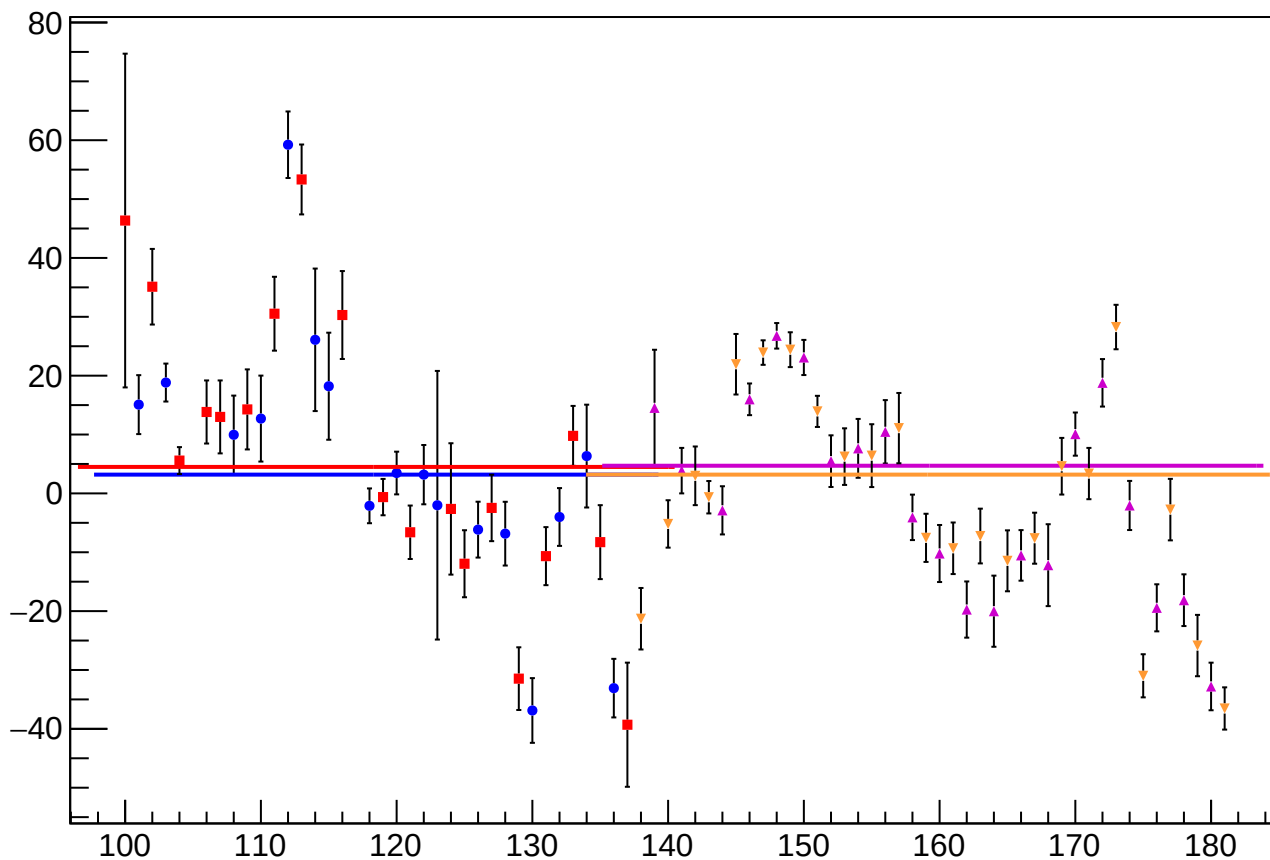
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -233.340+/-1.161 χ^2/NDF :2421.8/20

Out: -219.447+/-1.094 χ^2/NDF :3365.9/22

All: -225.983+/-0.796 χ^2/NDF : 5863.6/43

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: 3.190 ± 0.805 χ^2/NDF : 531.5/22

Right Out: 4.497 ± 1.160 χ^2/NDF : 225.4/18

Left In: 4.699 ± 0.861 χ^2/NDF : 407.4/20

Left: 3.895 ± 0.588 χ^2/NDF : 940.6/43

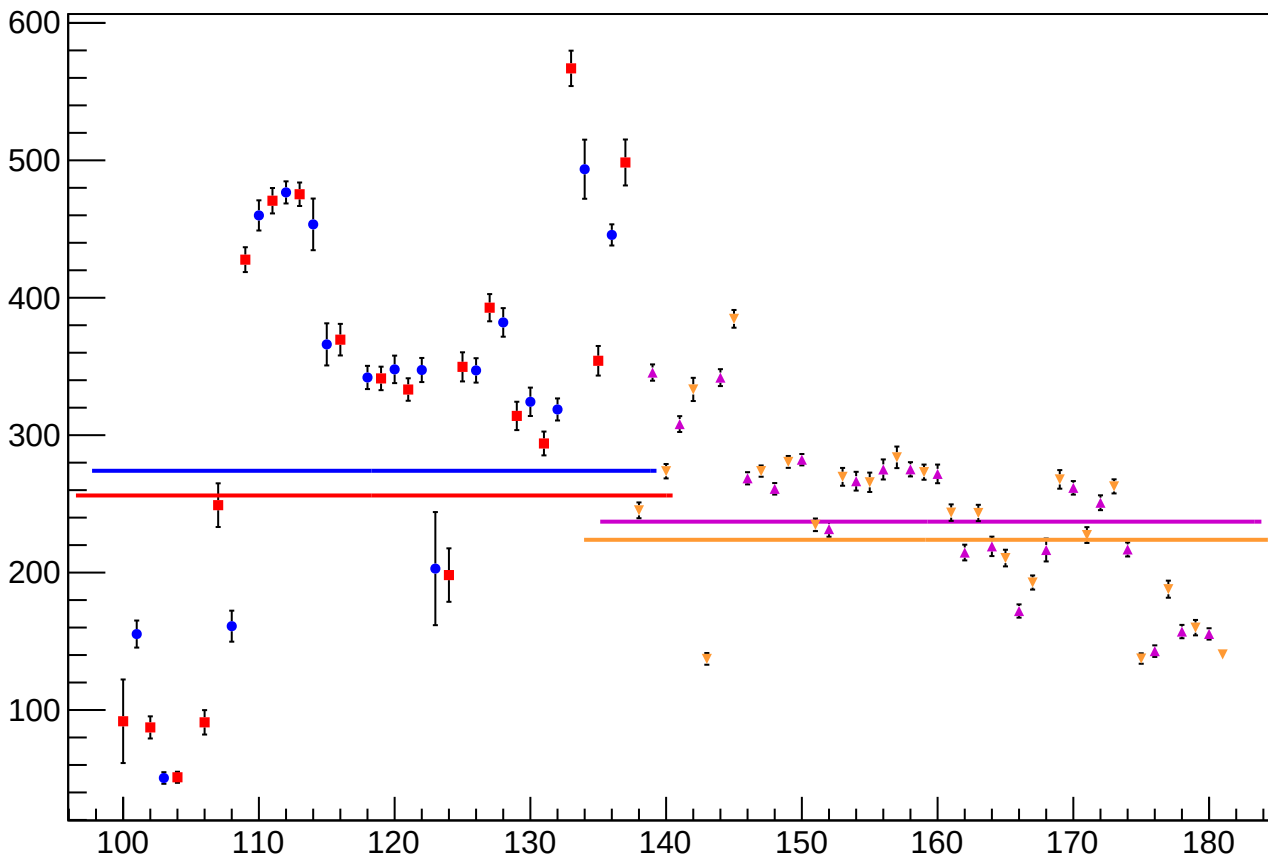
Right: 3.879 ± 0.842 χ^2/NDF : 481.7/35

In: 4.200 ± 0.704 χ^2/NDF : 664.1/37

Out: 3.615 ± 0.661 χ^2/NDF : 757.8/41

All: 3.889 ± 0.482 χ^2/NDF : 1422.2/79

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: 223.860 $\pm$ 1.092 χ^2 /NDF:3306.9/22

Right Out: 256.109 $\pm$ 2.080 χ^2 /NDF: 6444.1/18

Left In: 237.057 $\pm$ 1.147 χ^2 /NDF:2522.9/20

Left: 230.134 $\pm$ 0.791 χ^2 /NDF: 5899.3/43

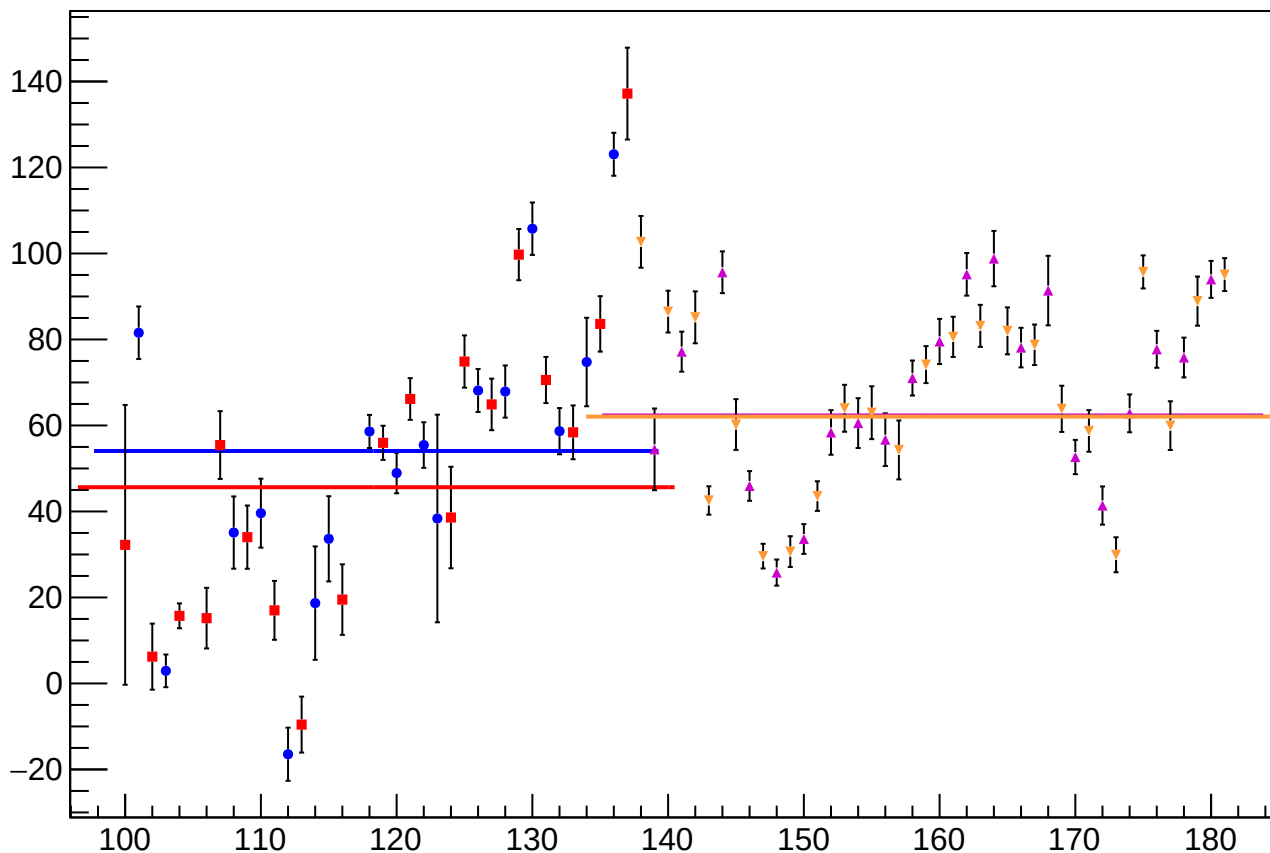
Right: 264.628 $\pm$ 1.509 χ^2 /NDF: 11591.4/35

In: 245.021 $\pm$ 1.016 χ^2 /NDF:7859.0/37

Out: 230.826 $\pm$ 0.967 χ^2 /NDF:9939.4/41

All: 237.570 $\pm$ 0.700 χ^2 /NDF: 17900.8/79

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: 62.062 $\pm$ 0.937 χ^2 /NDF:660.1/22

Right Out: 45.637 $\pm$ 1.359 χ^2 /NDF: 530.8/18

Left In: 62.332 $\pm$ 0.993 χ^2 /NDF:515.1/20

Left: 62.189 $\pm$ 0.682 χ^2 /NDF: 1175.2/43

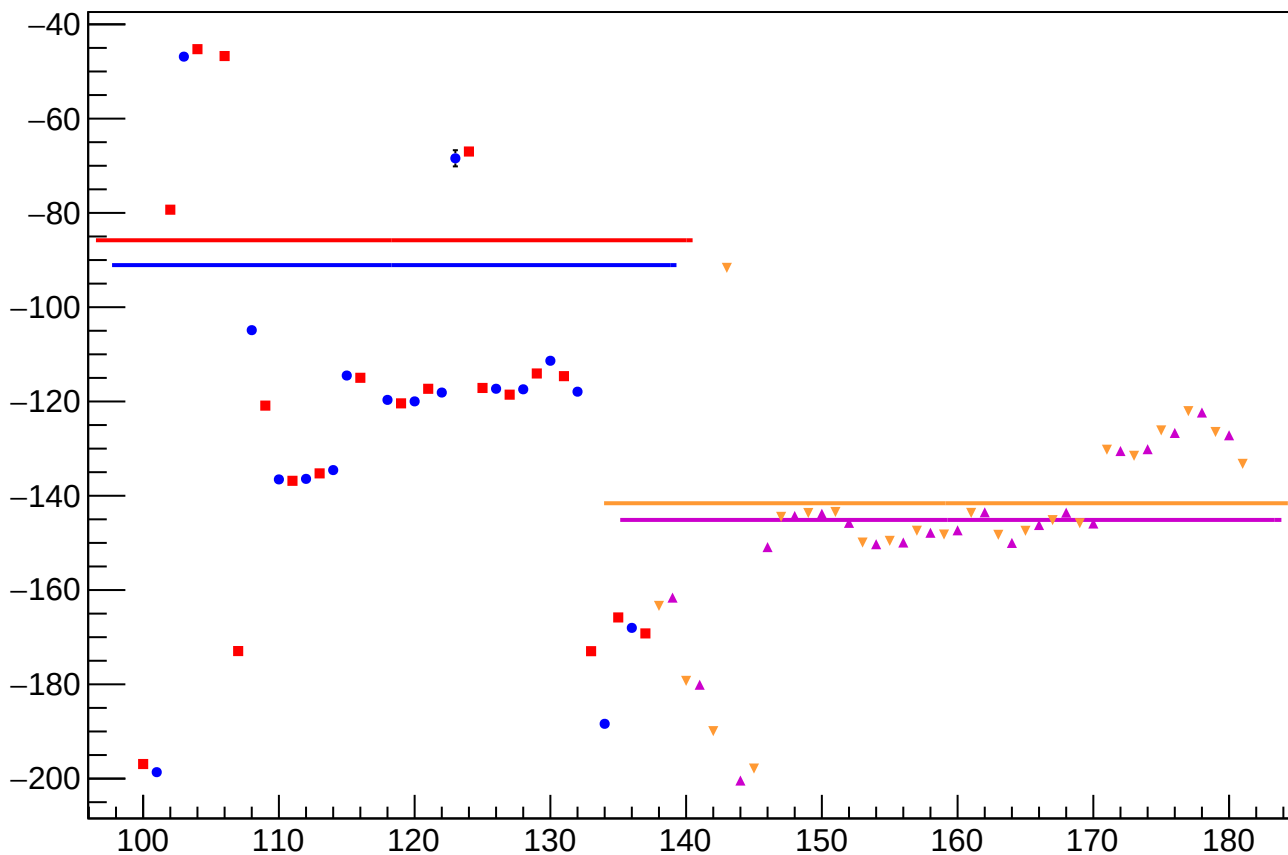
Right: 49.665 $\pm$ 0.982 χ^2 /NDF: 1183.6/35

In: 59.616 $\pm$ 0.814 χ^2 /NDF:1172.2/37

Out: 56.769 $\pm$ 0.772 χ^2 /NDF:1289.9/41

All: 58.116 $\pm$ 0.560 χ^2 /NDF: 2468.5/79

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -91.074 ± 0.068 $\chi^2/\text{NDF}: 534647.5/16$

Left Out: -141.587 ± 0.045 $\chi^2/\text{NDF}: 221967.9/22$

Right Out: -85.803 ± 0.065 $\chi^2/\text{NDF}: 495895.1/18$

Left In: -145.125 ± 0.047 $\chi^2/\text{NDF}: 112295.6/20$

Left: -143.301 ± 0.032 $\chi^2/\text{NDF}: 337236.2/43$

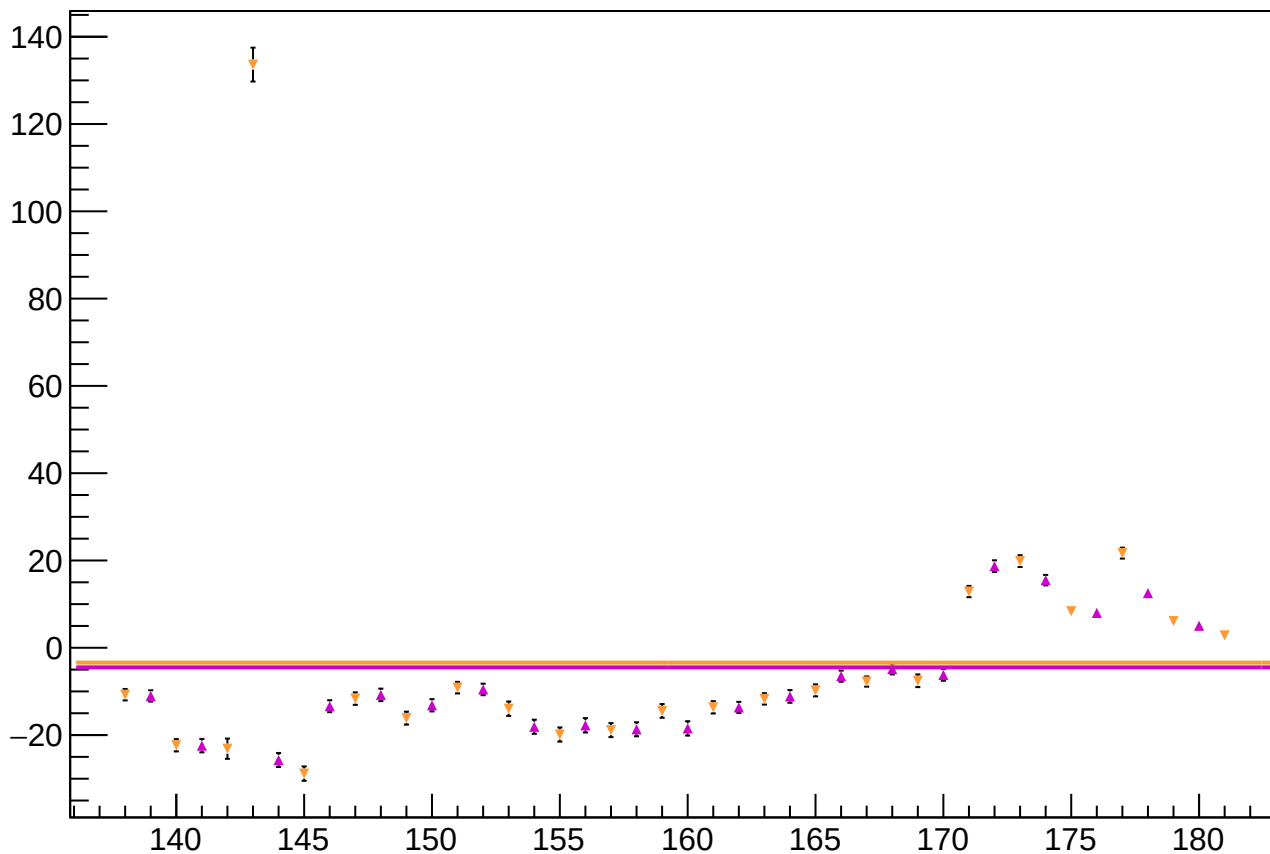
Right: -88.339 ± 0.047 $\chi^2/\text{NDF}: 1033703.0/35$

In: -127.692 ± 0.038 $\chi^2/\text{NDF}: 1080973.3/37$

Out: -123.435 ± 0.037 $\chi^2/\text{NDF}: 1214102.7/41$

All: -125.493 ± 0.027 $\chi^2/\text{NDF}: 2301441.5/79$

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



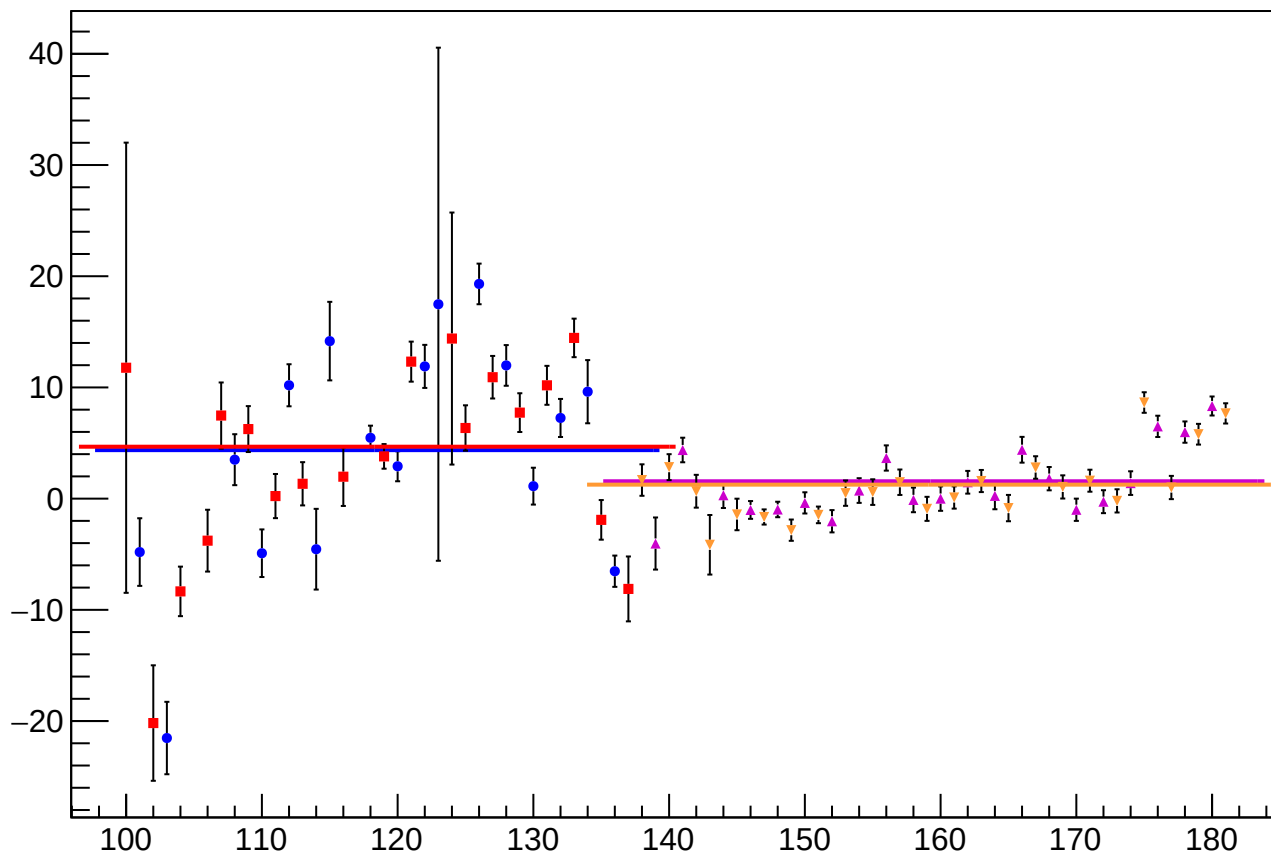
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -3.397+/-0.278 χ^2/NDF :3469.1/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -4.486+/-0.284 χ^2/NDF :1924.9/20

Left: -3.930+/-0.199 χ^2/NDF : 5401.5/43
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -4.486+/-0.284 χ^2/NDF :1924.9/20
 Out: -3.397+/-0.278 χ^2/NDF :3469.1/22

All: -3.930+/-0.199 χ^2/NDF : 5401.5/43

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.361 ± 0.464 $\chi^2/\text{NDF}: 286.5/16$

Left Out: 1.259 ± 0.216 $\chi^2/\text{NDF}: 210.5/22$

Right Out: 4.670 ± 0.474 $\chi^2/\text{NDF}: 185.4/18$

Left In: 1.563 ± 0.221 $\chi^2/\text{NDF}: 190.0/20$

Left: 1.407 ± 0.154 $\chi^2/\text{NDF}: 401.5/43$

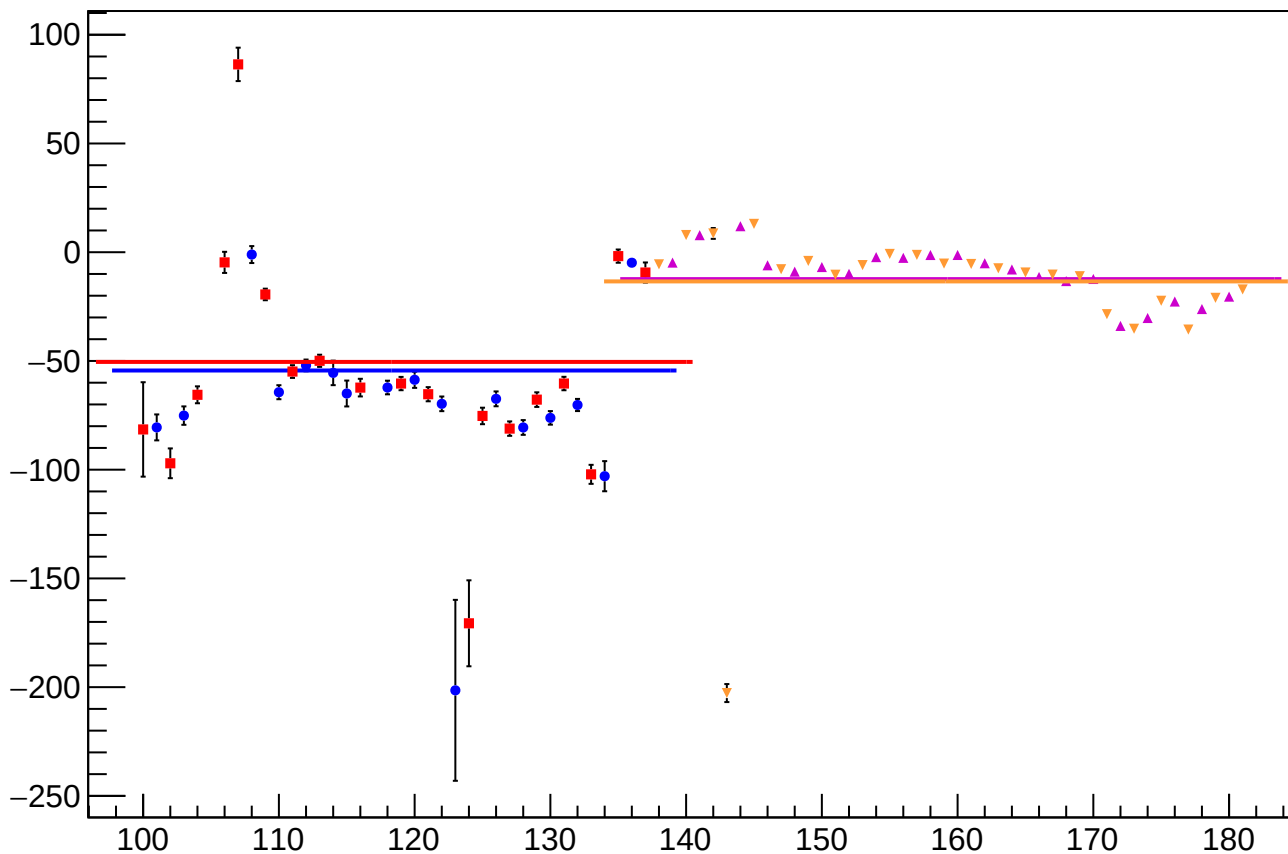
Right: 4.512 ± 0.332 $\chi^2/\text{NDF}: 472.1/35$

In: 2.081 ± 0.200 $\chi^2/\text{NDF}: 506.1/37$

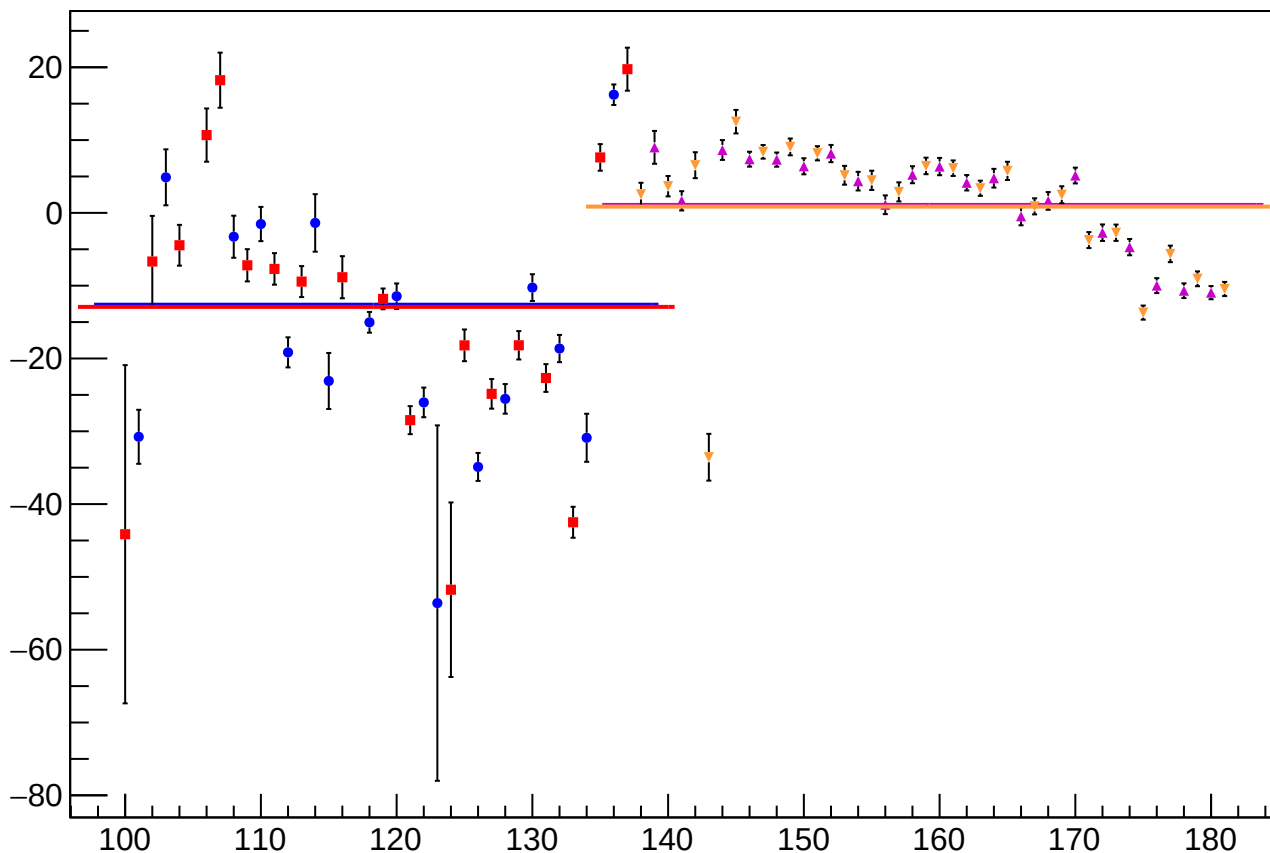
Out: 1.843 ± 0.196 $\chi^2/\text{NDF}: 438.8/41$

All: 1.960 ± 0.140 $\chi^2/\text{NDF}: 945.6/79$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.616 ± 0.530 χ^2/NDF : 788.2/16

Left Out: 0.864 ± 0.245 χ^2/NDF : 963.6/22

Right Out: -12.912 ± 0.538 χ^2/NDF : 730.2/18

Left In: 1.093 ± 0.251 χ^2/NDF : 719.0/20

Left: 0.976 ± 0.175 χ^2/NDF : 1683.1/43

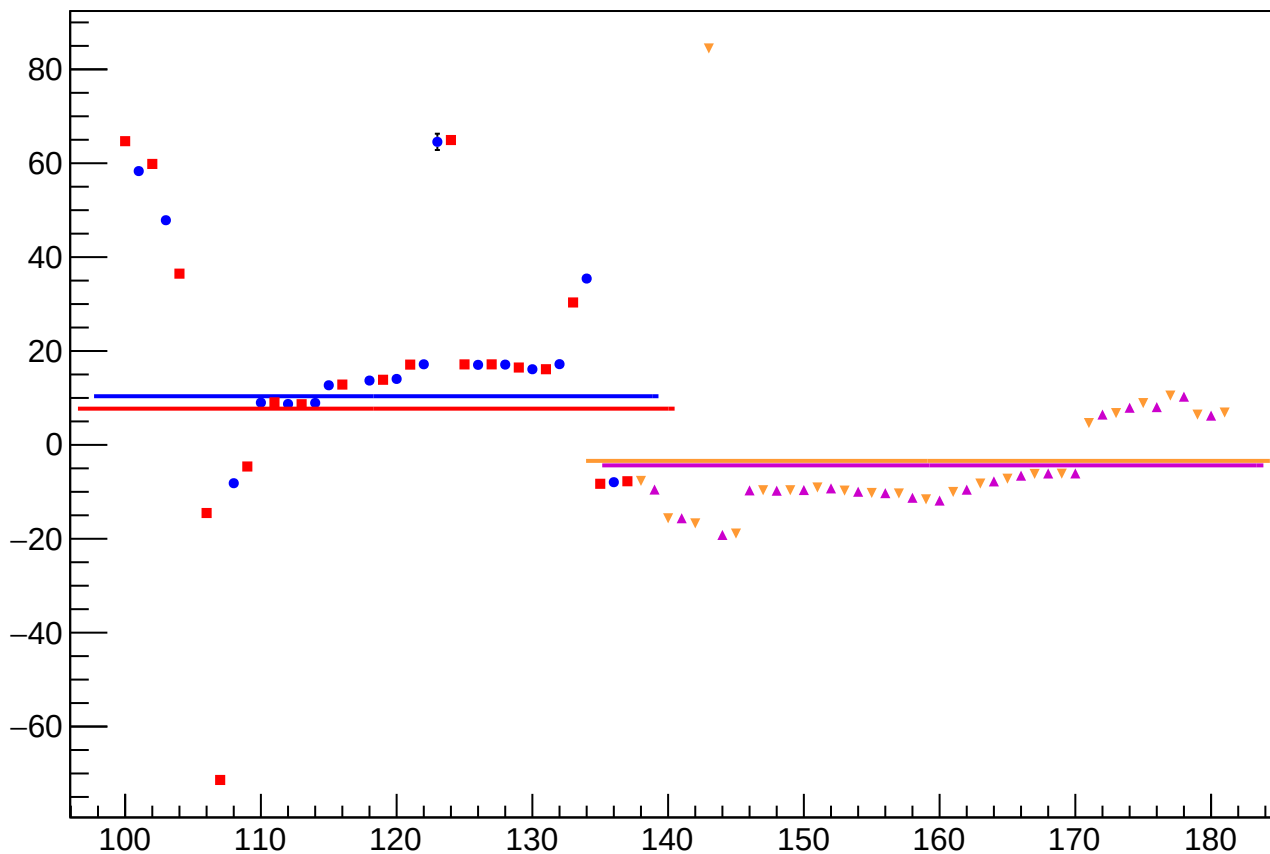
Right: -12.762 ± 0.378 χ^2/NDF : 1518.6/35

In: -1.414 ± 0.227 χ^2/NDF : 2053.6/37

Out: -1.503 ± 0.223 χ^2/NDF : 2236.5/41

All: -1.459 ± 0.159 χ^2/NDF : 4290.1/79

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.366 ± 0.031 $\chi^2/\text{NDF}: 381003.5/16$

Left Out: -3.407 ± 0.011 $\chi^2/\text{NDF}: 857503.6/22$

Right Out: 7.719 ± 0.031 $\chi^2/\text{NDF}: 545085.7/18$

Left In: -4.363 ± 0.011 $\chi^2/\text{NDF}: 541177.9/20$

Left: -3.883 ± 0.008 $\chi^2/\text{NDF}: 1402255.0/43$

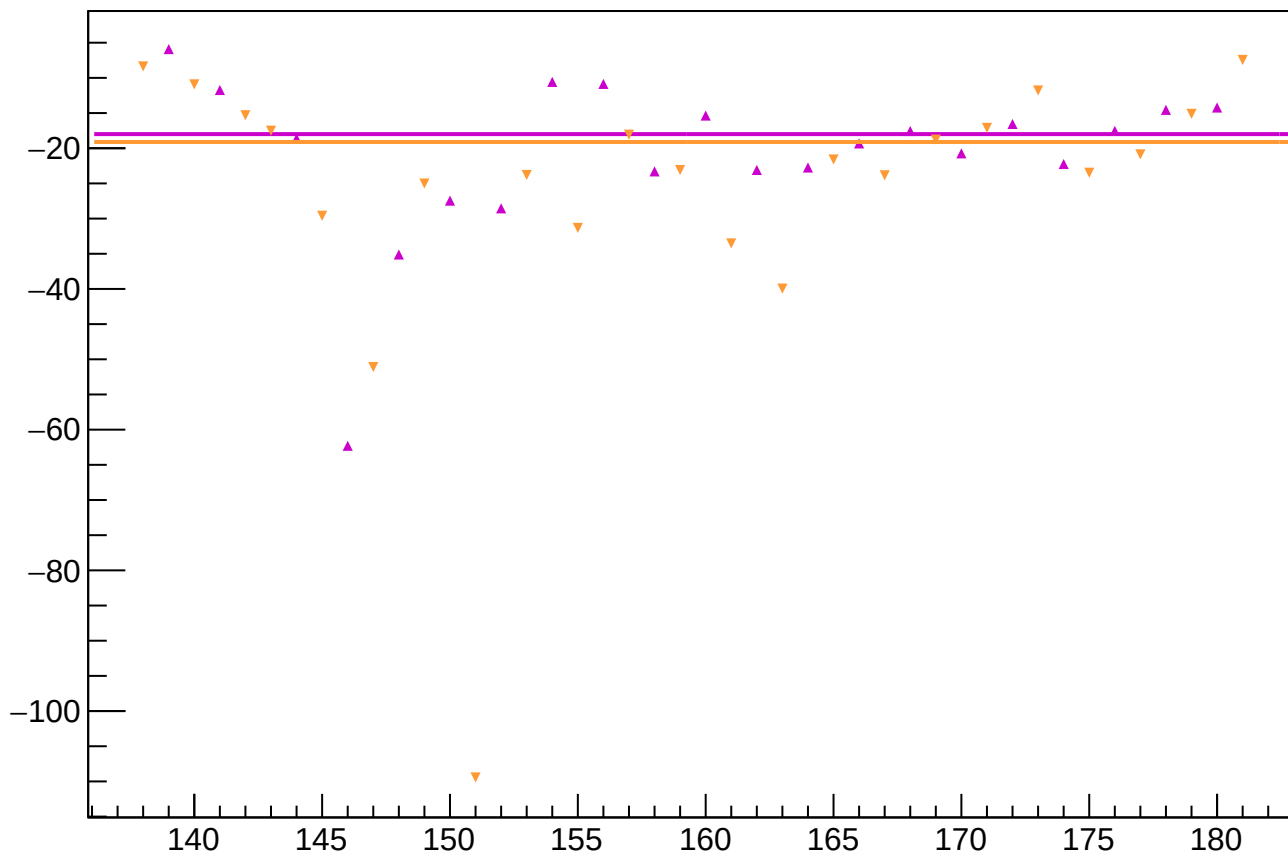
Right: 9.073 ± 0.022 $\chi^2/\text{NDF}: 929756.2/35$

In: -2.578 ± 0.011 $\chi^2/\text{NDF}: 1126633.3/37$

Out: -2.124 ± 0.011 $\chi^2/\text{NDF}: 1514699.1/41$

All: -2.350 ± 0.008 $\chi^2/\text{NDF}: 2642244.6/79$

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: -19.111+/-0.042 χ^2/NDF : 83607.4/22

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

Left In: -17.992+/-0.041 χ^2/NDF : 40284.7/20

Left: -18.544+/-0.029 χ^2/NDF : 124257.7/43

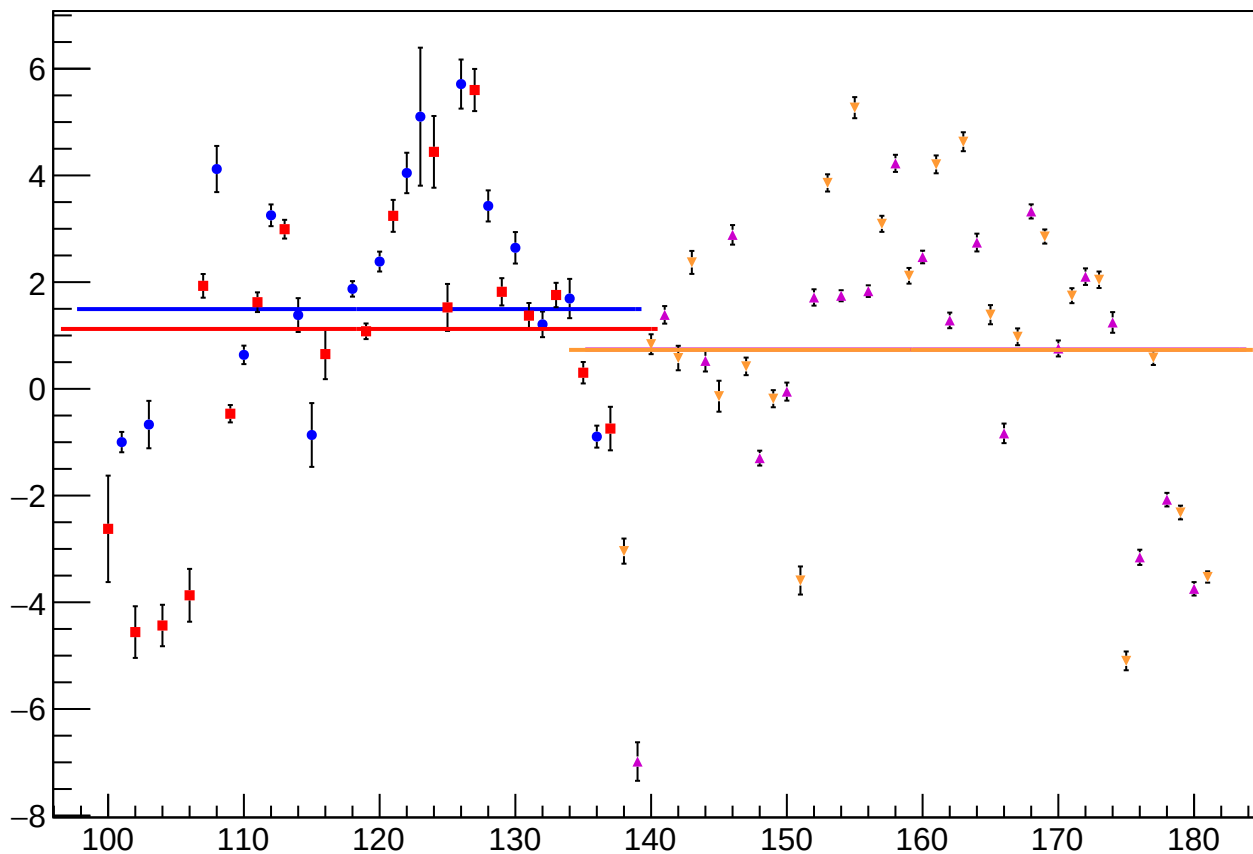
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -17.992+/-0.041 χ^2/NDF : 40284.7/20

Out: -19.111+/-0.042 χ^2/NDF : 83607.4/22

All: -18.544+/-0.029 χ^2/NDF : 124257.7/43

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.495 ± 0.061 χ^2/NDF : 708.8/16

Left Out: 0.730 ± 0.034 χ^2/NDF : 6449.9/22

Right Out: 1.123 ± 0.058 χ^2/NDF : 946.5/18

Left In: 0.738 ± 0.032 χ^2/NDF : 4962.5/20

Left: 0.734 ± 0.023 χ^2/NDF : 11412.4/43

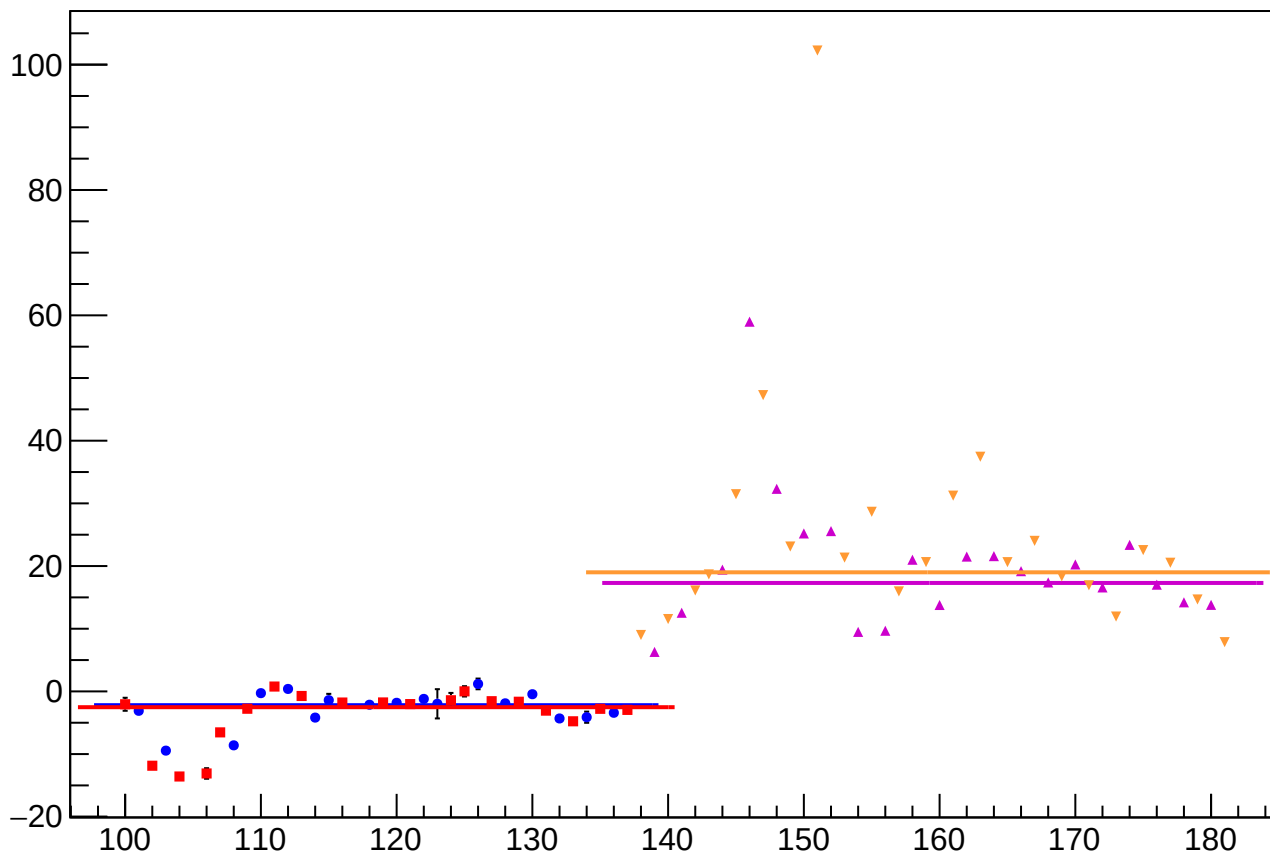
Right: 1.300 ± 0.042 χ^2/NDF : 1674.8/35

In: 0.901 ± 0.028 χ^2/NDF : 5791.9/37

Out: 0.830 ± 0.029 χ^2/NDF : 7430.3/41

All: 0.867 ± 0.020 χ^2/NDF : 13225.3/79

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: 19.000 ± 0.042 χ^2/NDF : 73699.1/22

Right Out: -2.520 ± 0.099 χ^2/NDF : 903.3/18

Left In: 17.304 ± 0.040 χ^2/NDF : 38021.4/20

Left: 18.125 ± 0.029 χ^2/NDF : 112576.3/43

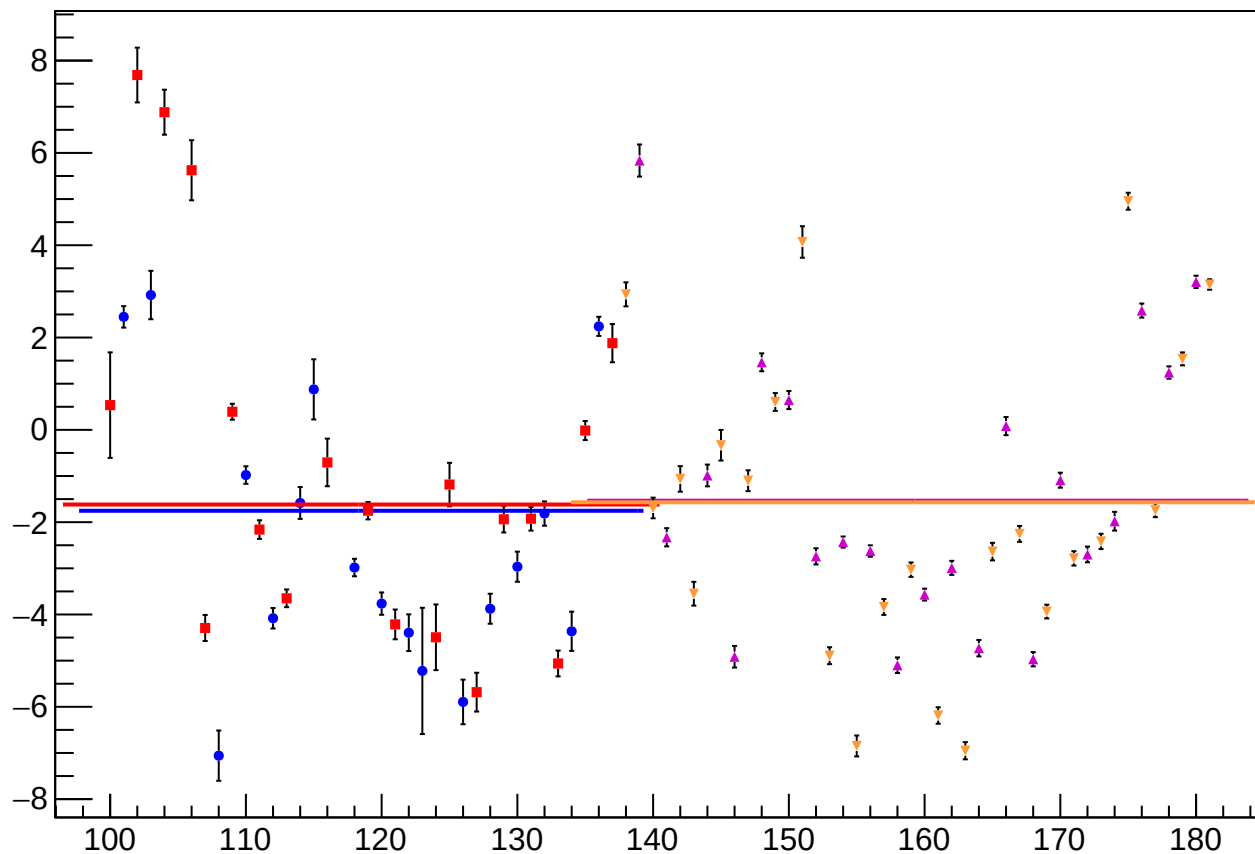
Right: -2.378 ± 0.074 χ^2/NDF : 1368.9/35

In: 15.011 ± 0.038 χ^2/NDF : 65932.0/37

Out: 15.760 ± 0.038 χ^2/NDF : 114780.7/41

All: 15.381 ± 0.027 χ^2/NDF : 180905.4/79

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.753 ± 0.070 $\chi^2/\text{NDF}: 1345.0/16$

Left Out: -1.569 ± 0.038 $\chi^2/\text{NDF}: 7290.0/22$

Right Out: -1.617 ± 0.066 $\chi^2/\text{NDF}: 1487.5/18$

Left In: -1.535 ± 0.036 $\chi^2/\text{NDF}: 5365.1/20$

Left: -1.551 ± 0.026 $\chi^2/\text{NDF}: 12655.5/43$

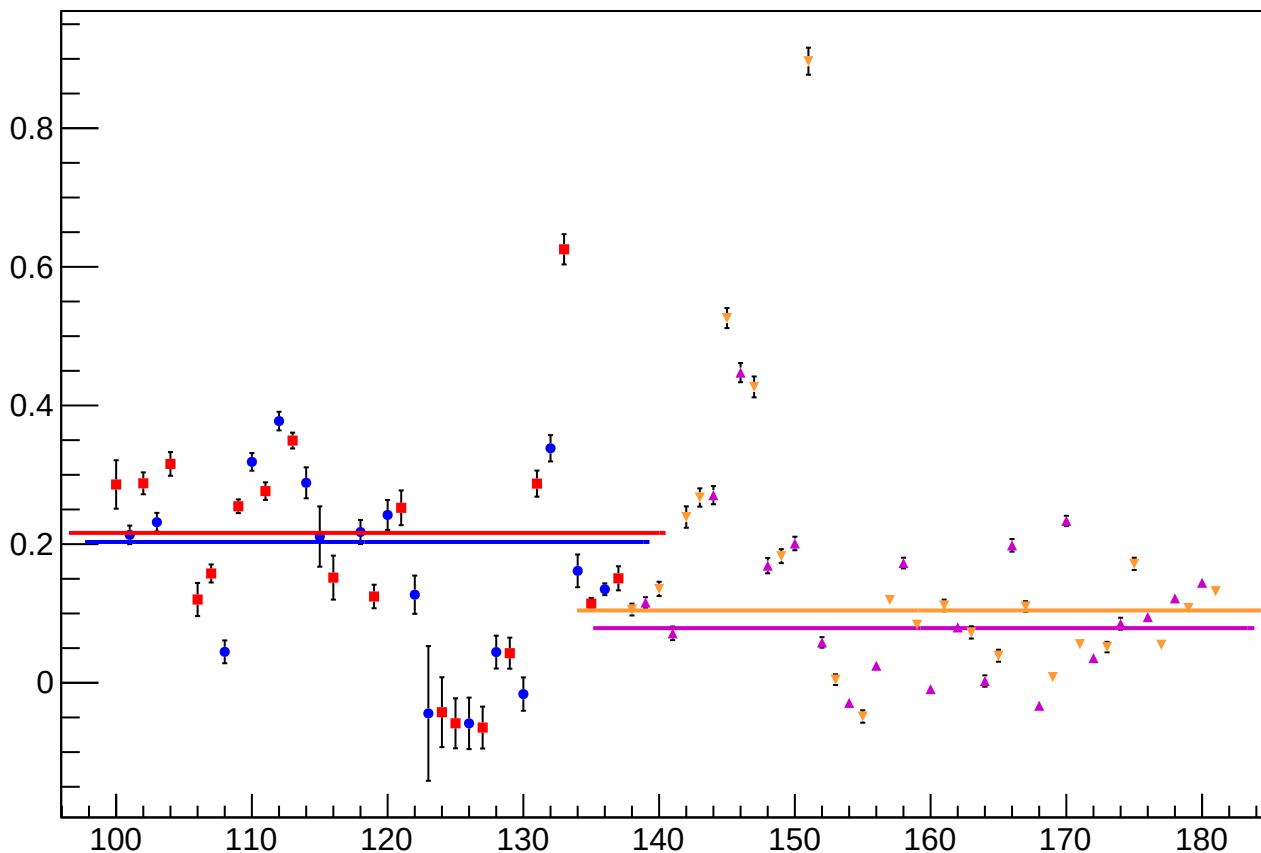
Right: -1.681 ± 0.048 $\chi^2/\text{NDF}: 2834.6/35$

In: -1.580 ± 0.032 $\chi^2/\text{NDF}: 6717.8/37$

Out: -1.581 ± 0.033 $\chi^2/\text{NDF}: 8778.0/41$

All: -1.580 ± 0.023 $\chi^2/\text{NDF}: 15495.7/79$

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: 0.104 ± 0.002 χ^2/NDF : 4251.3/22

Right Out: 0.216 ± 0.004 χ^2/NDF : 1067.3/18

Left In: 0.079 ± 0.002 χ^2/NDF : 3397.2/20

Left: 0.091 ± 0.001 χ^2/NDF : 7769.8/43

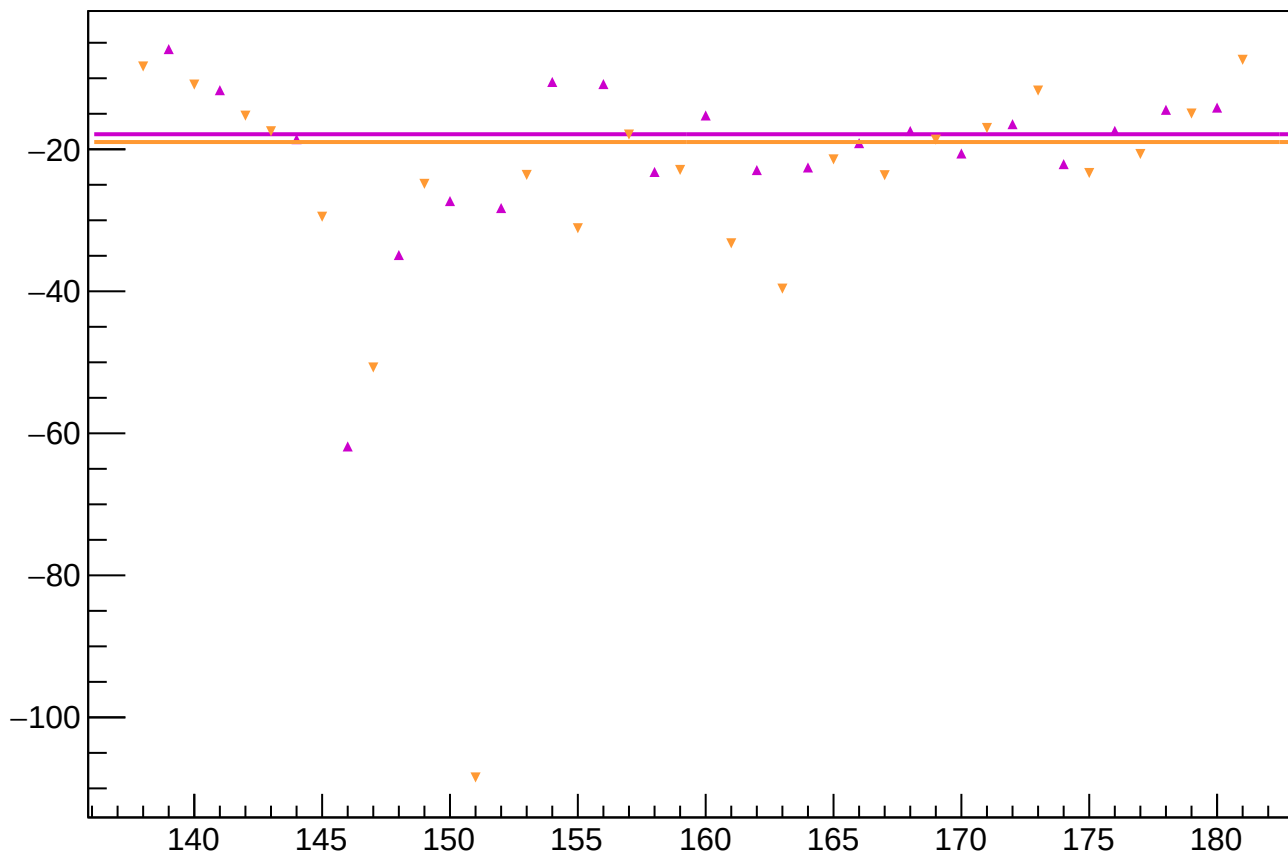
Right: 0.210 ± 0.003 χ^2/NDF : 1750.0/35

In: 0.095 ± 0.001 χ^2/NDF : 4864.6/37

Out: 0.124 ± 0.002 χ^2/NDF : 6075.9/41

All: 0.108 ± 0.001 χ^2/NDF : 11130.1/79

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: -18.980 ± 0.041 χ^2/NDF : 83458.9/22

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -17.882 ± 0.041 χ^2/NDF : 40205.6/20

Left: -18.423 ± 0.029 χ^2/NDF : 124021.5/43

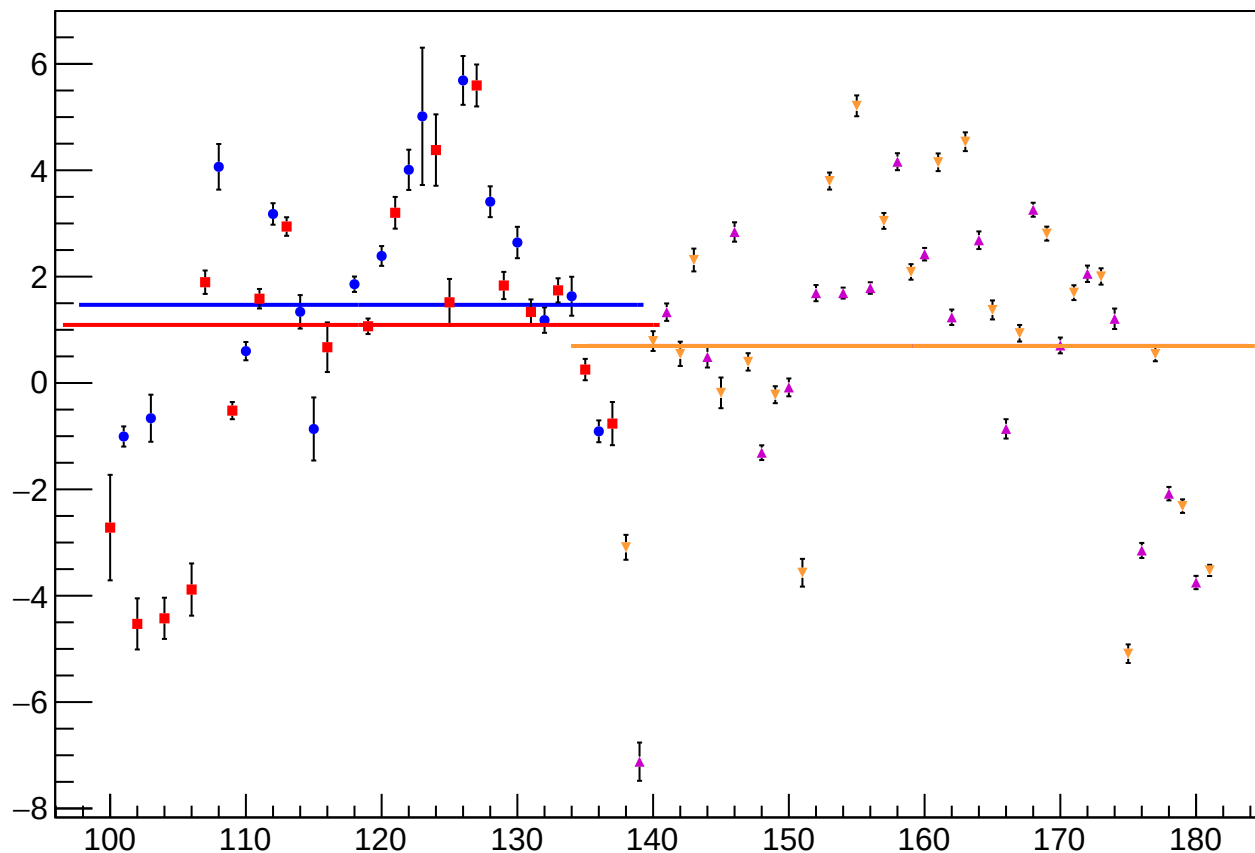
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -17.882 ± 0.041 χ^2/NDF : 40205.6/20

Out: -18.980 ± 0.041 χ^2/NDF : 83458.9/22

All: -18.423 ± 0.029 χ^2/NDF : 124021.5/43

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.470 ± 0.061 $\chi^2/\text{NDF}: 707.9/16$

Left Out: 0.695 ± 0.034 $\chi^2/\text{NDF}: 6438.8/22$

Right Out: 1.092 ± 0.058 $\chi^2/\text{NDF}: 952.1/18$

Left In: 0.697 ± 0.032 $\chi^2/\text{NDF}: 4955.7/20$

Left: 0.696 ± 0.023 $\chi^2/\text{NDF}: 11394.5/43$

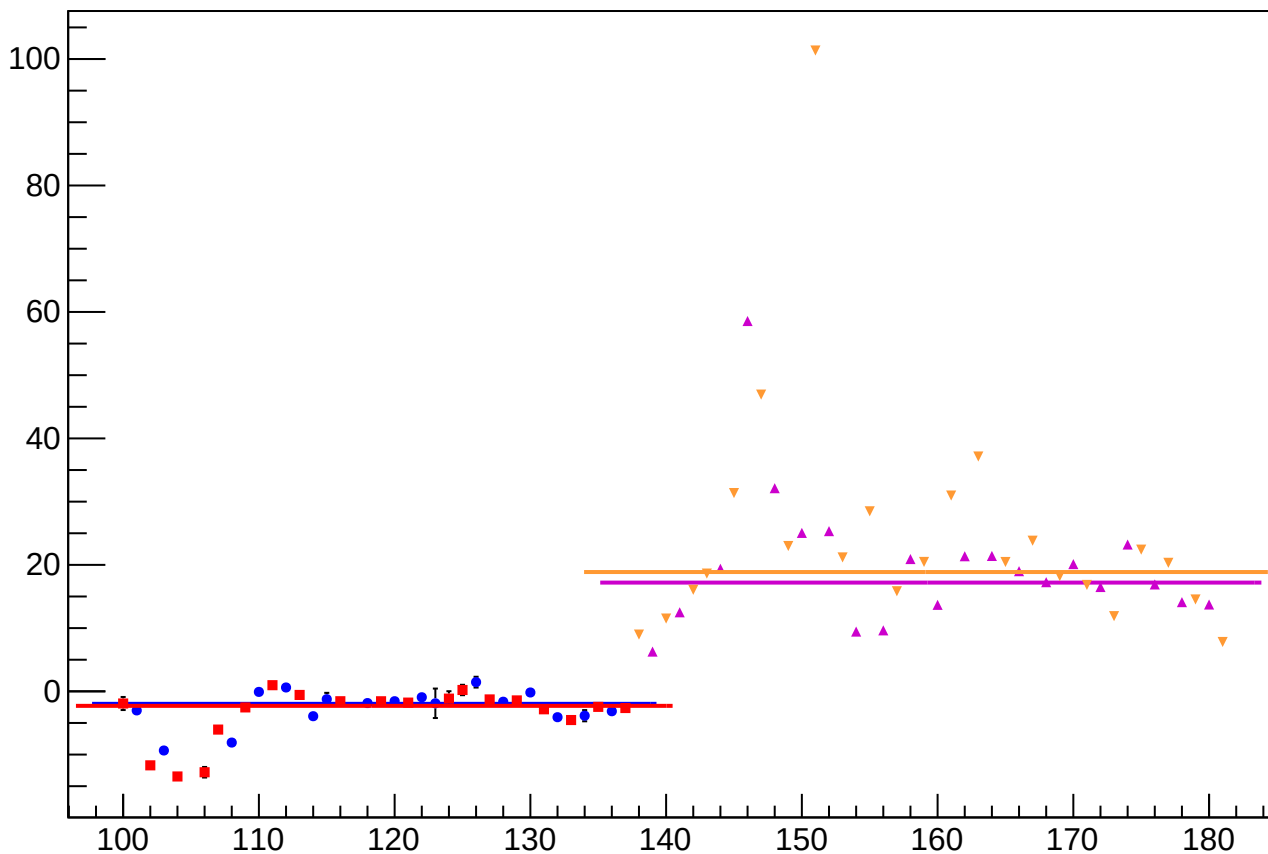
Right: 1.272 ± 0.042 $\chi^2/\text{NDF}: 1680.2/35$

In: 0.864 ± 0.028 $\chi^2/\text{NDF}: 5790.2/37$

Out: 0.796 ± 0.029 $\chi^2/\text{NDF}: 7425.9/41$

All: 0.831 ± 0.020 $\chi^2/\text{NDF}: 13218.9/79$

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -1.977 ± 0.110 χ^2/NDF : 463.8/16

Left Out: 18.869 ± 0.041 χ^2/NDF : 73582.3/22

Right Out: -2.294 ± 0.098 χ^2/NDF : 906.6/18

Left In: 17.198 ± 0.040 χ^2/NDF : 37950.2/20

Left: 18.007 ± 0.029 χ^2/NDF : 112373.7/43

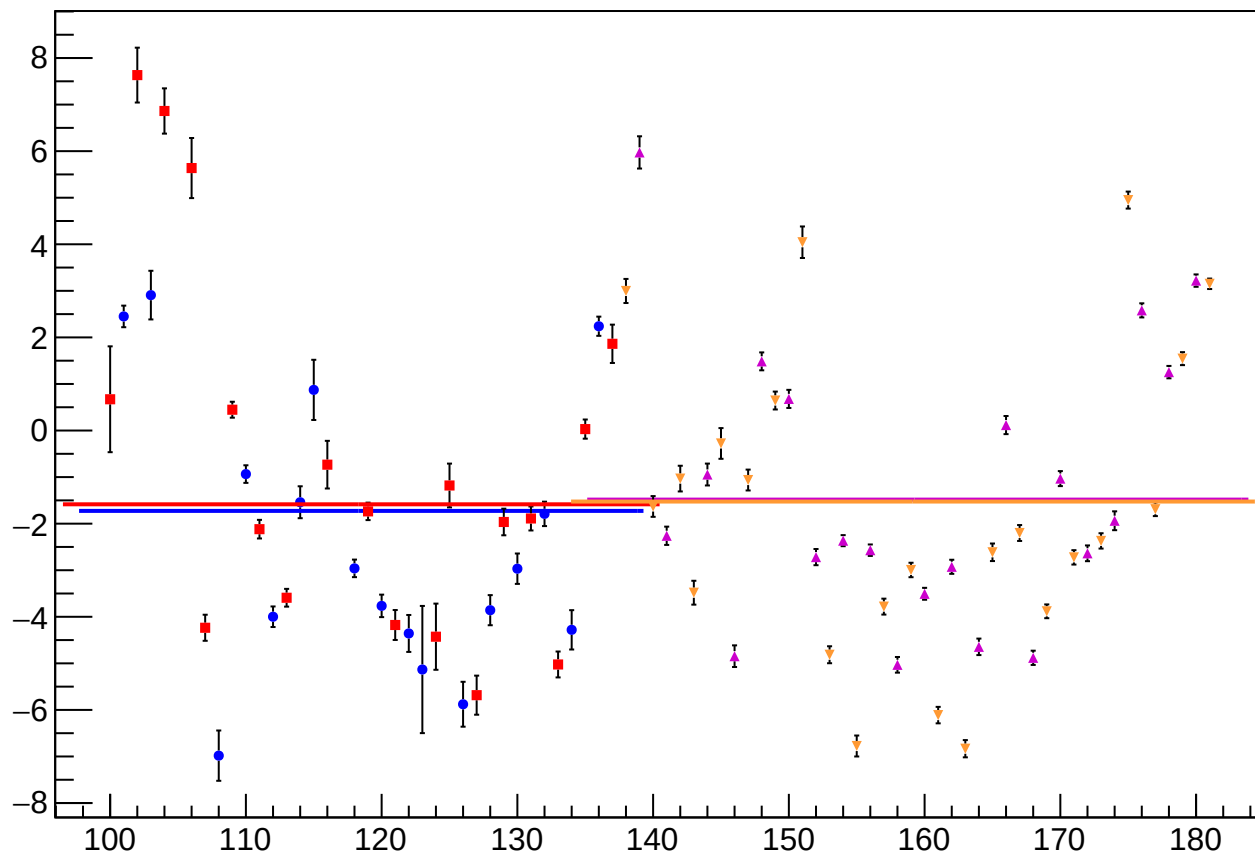
Right: -2.153 ± 0.073 χ^2/NDF : 1375.0/35

In: 14.951 ± 0.038 χ^2/NDF : 65220.5/37

Out: 15.692 ± 0.038 χ^2/NDF : 113779.6/41

All: 15.317 ± 0.027 χ^2/NDF : 179191.1/79

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.726 ± 0.070 χ^2/NDF : 1341.5/16

Left Out: -1.525 ± 0.038 χ^2/NDF : 7275.3/22

Right Out: -1.584 ± 0.065 χ^2/NDF : 1492.8/18

Left In: -1.483 ± 0.036 χ^2/NDF : 5357.3/20

Left: -1.503 ± 0.026 χ^2/NDF : 12633.3/43

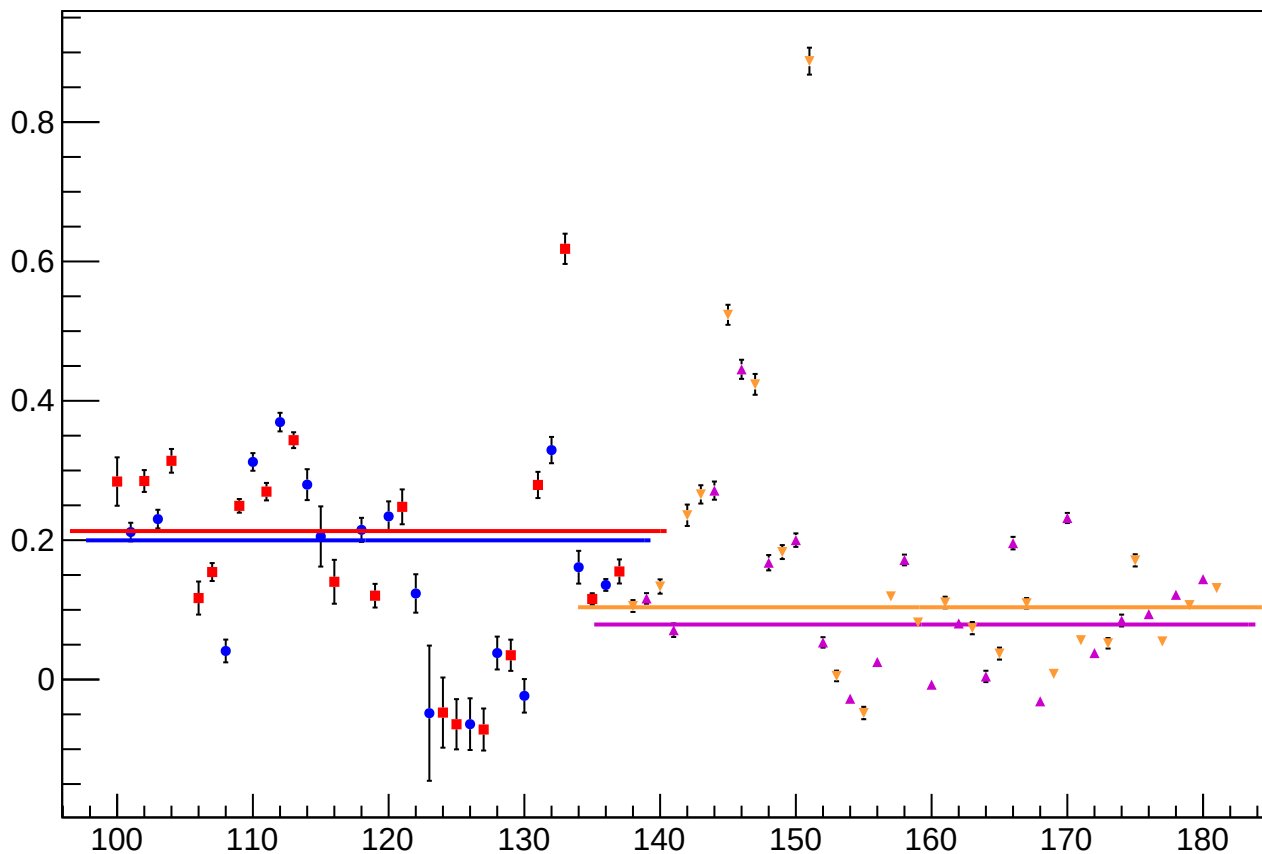
Right: -1.650 ± 0.048 χ^2/NDF : 2836.5/35

In: -1.533 ± 0.032 χ^2/NDF : 6708.3/37

Out: -1.540 ± 0.033 χ^2/NDF : 8768.8/41

All: -1.536 ± 0.023 χ^2/NDF : 15477.1/79

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.200 ± 0.004 χ^2/NDF : 662.5/16

Left Out: 0.104 ± 0.002 χ^2/NDF : 4243.0/22

Right Out: 0.213 ± 0.004 χ^2/NDF : 1050.9/18

Left In: 0.079 ± 0.002 χ^2/NDF : 3369.8/20

Left: 0.090 ± 0.001 χ^2/NDF : 7729.0/43

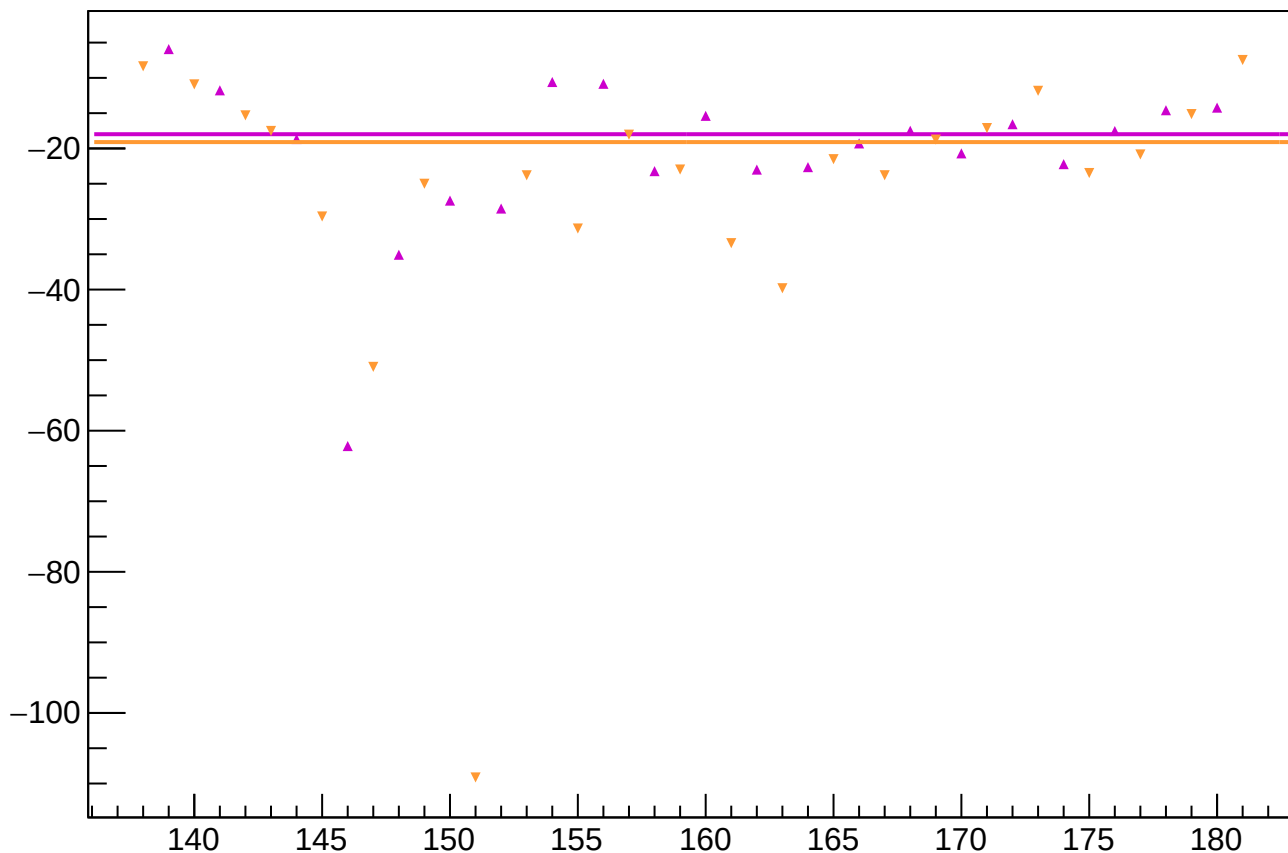
Right: 0.207 ± 0.003 χ^2/NDF : 1719.2/35

In: 0.094 ± 0.001 χ^2/NDF : 4786.3/37

Out: 0.123 ± 0.002 χ^2/NDF : 6025.3/41

All: 0.108 ± 0.001 χ^2/NDF : 10994.3/79

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: -19.099+/-0.042 χ^2/NDF :83554.9/22

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

Left In: -17.982+/-0.041 χ^2/NDF :40239.0/20

Left: -18.533+/-0.029 χ^2/NDF : 124160.0/43

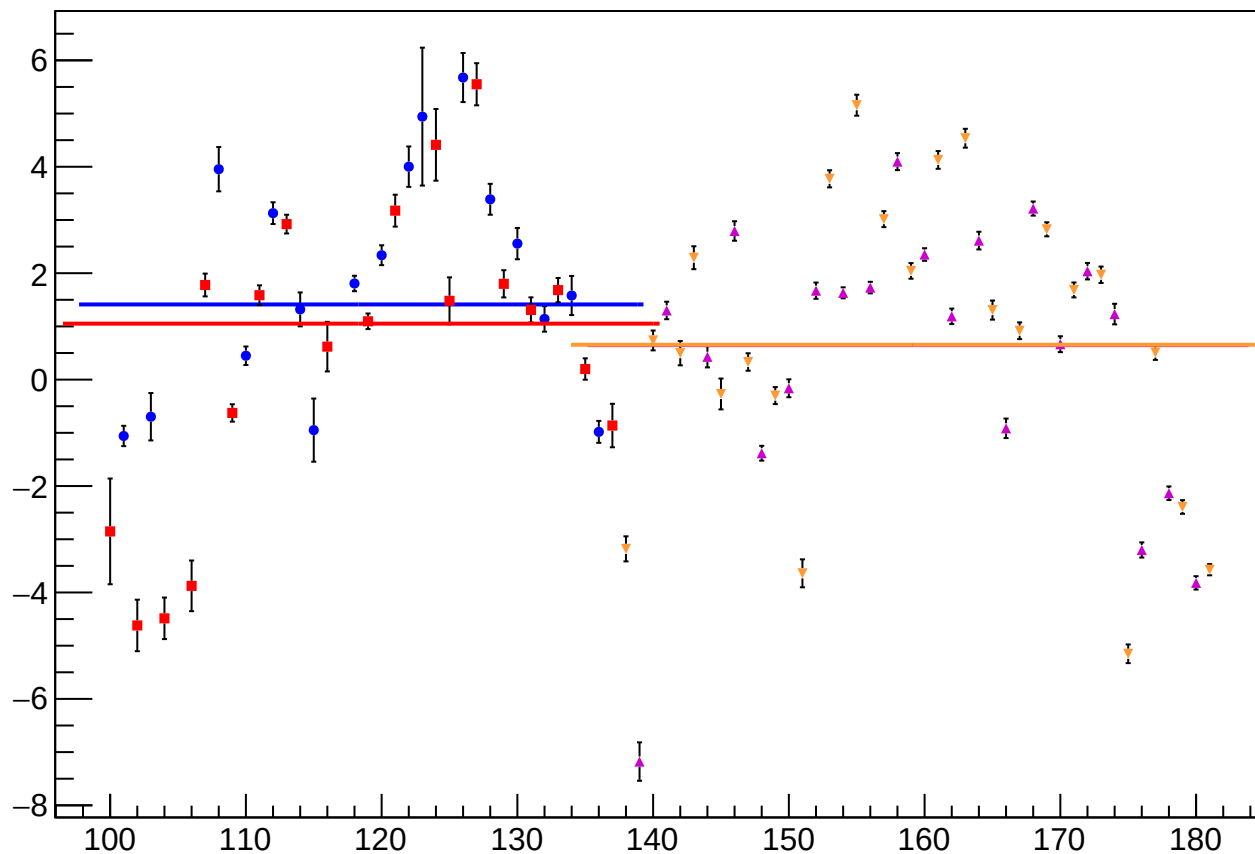
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -17.982+/-0.041 χ^2/NDF :40239.0/20

Out: -19.099+/-0.042 χ^2/NDF :83554.9/22

All: -18.533+/-0.029 χ^2/NDF : 124160.0/43

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: 0.655 $\pm$ 0.034 χ^2 /NDF:6459.4/22

Right Out: 1.052 $\pm$ 0.058 χ^2 /NDF: 963.3/18

Left In: 0.648 $\pm$ 0.032 χ^2 /NDF:4933.6/20

Left: 0.651 $\pm$ 0.023 χ^2 /NDF: 11393.0/43

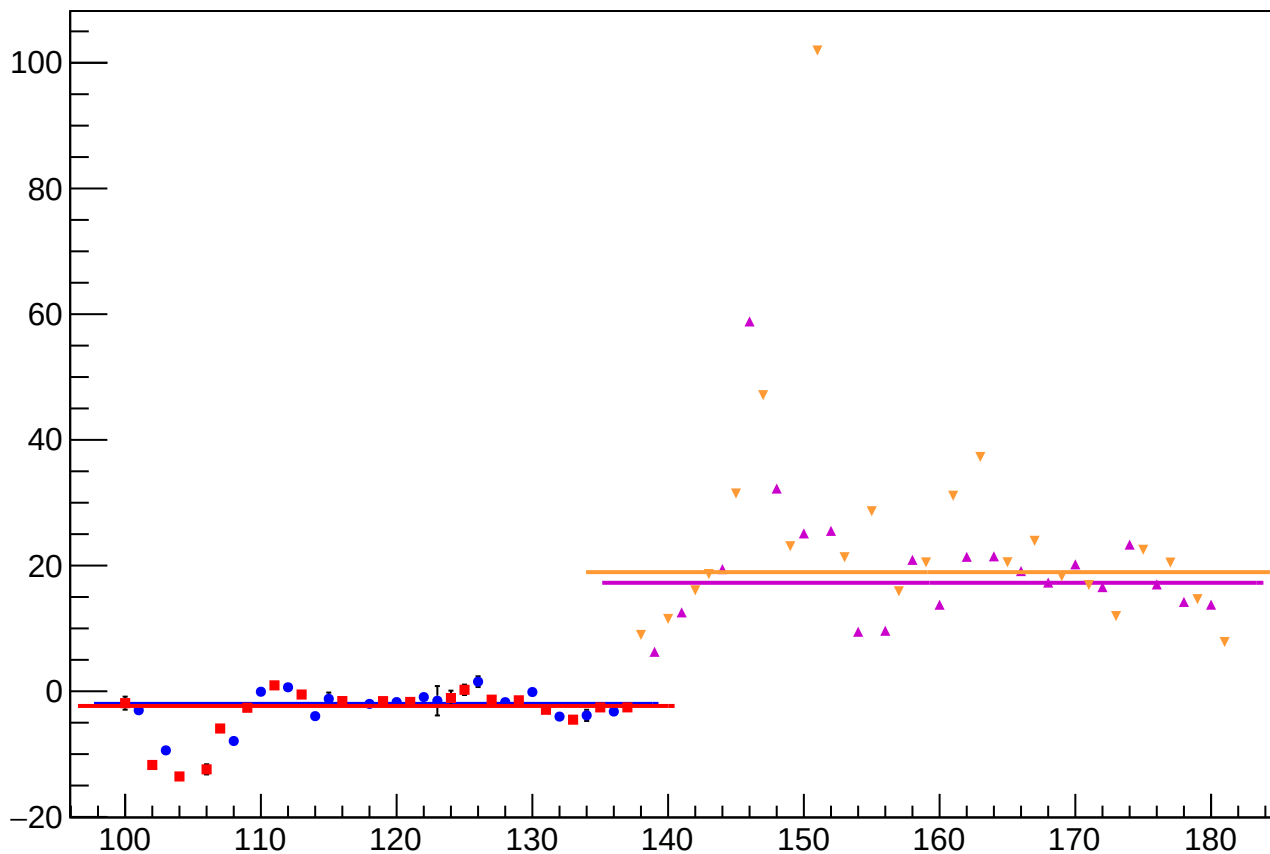
Right: 1.223 $\pm$ 0.042 χ^2 /NDF: 1695.5/35

In: 0.813 $\pm$ 0.028 χ^2 /NDF:5770.4/37

Out: 0.756 $\pm$ 0.029 χ^2 /NDF:7457.5/41

All: 0.785 $\pm$ 0.020 χ^2 /NDF: 13229.9/79

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: 18.954 ± 0.042 χ^2/NDF : 73666.1/22

Right Out: -2.336 ± 0.099 χ^2/NDF : 901.2/18

Left In: 17.260 ± 0.040 χ^2/NDF : 38001.7/20

Left: 18.080 ± 0.029 χ^2/NDF : 112524.8/43

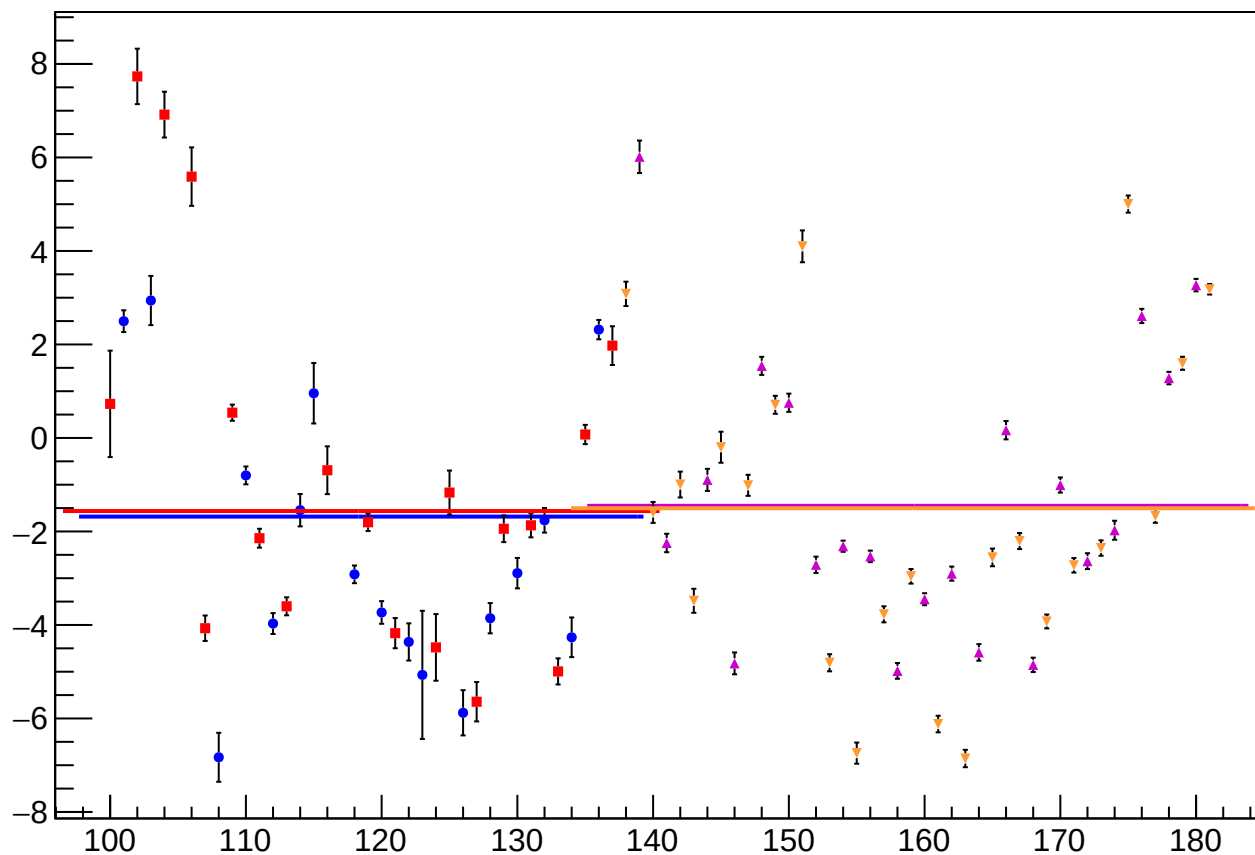
Right: -2.190 ± 0.074 χ^2/NDF : 1369.4/35

In: 15.008 ± 0.038 χ^2/NDF : 65252.4/37

Out: 15.761 ± 0.038 χ^2/NDF : 113948.0/41

All: 15.379 ± 0.027 χ^2/NDF : 179395.9/79

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.682 ± 0.070 $\chi^2/\text{NDF}: 1347.8/16$

Left Out: -1.503 ± 0.038 $\chi^2/\text{NDF}: 7300.3/22$

Right Out: -1.563 ± 0.066 $\chi^2/\text{NDF}: 1504.7/18$

Left In: -1.452 ± 0.036 $\chi^2/\text{NDF}: 5325.8/20$

Left: -1.476 ± 0.026 $\chi^2/\text{NDF}: 12627.1/43$

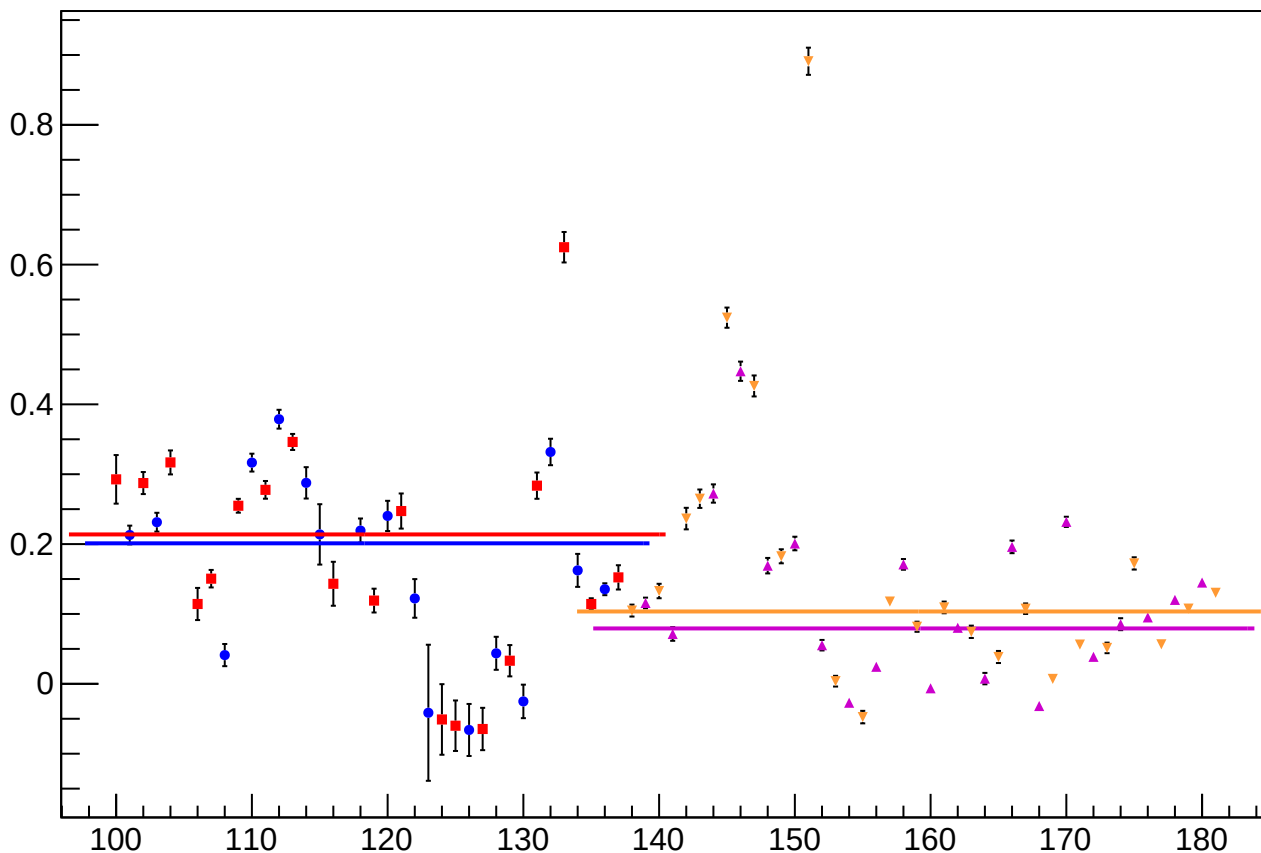
Right: -1.619 ± 0.048 $\chi^2/\text{NDF}: 2854.1/35$

In: -1.499 ± 0.032 $\chi^2/\text{NDF}: 6682.2/37$

Out: -1.518 ± 0.033 $\chi^2/\text{NDF}: 8805.6/41$

All: -1.508 ± 0.023 $\chi^2/\text{NDF}: 15488.0/79$

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 $\pm$ 0.004 χ^2 /NDF: 691.3/16

Left Out: 0.104 $\pm$ 0.002 χ^2 /NDF:4225.7/22

Right Out: 0.214 $\pm$ 0.004 χ^2 /NDF: 1083.1/18

Left In: 0.079 $\pm$ 0.002 χ^2 /NDF:3346.2/20

Left: 0.090 $\pm$ 0.001 χ^2 /NDF: 7682.7/43

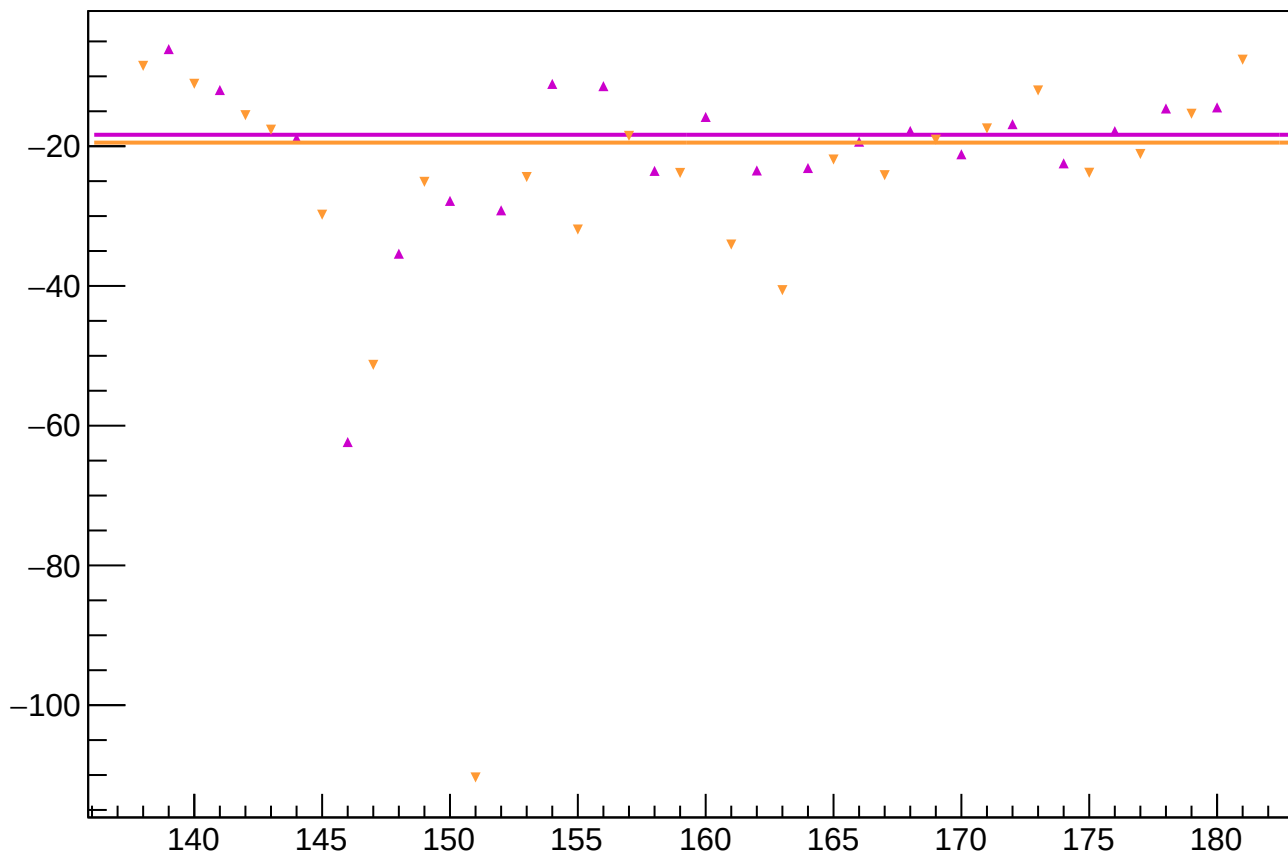
Right: 0.208 $\pm$ 0.003 χ^2 /NDF: 1779.7/35

In: 0.095 $\pm$ 0.001 χ^2 /NDF:4799.0/37

Out: 0.123 $\pm$ 0.002 χ^2 /NDF:6049.2/41

All: 0.108 $\pm$ 0.001 χ^2 /NDF: 11024.7/79

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: -19.485+/-0.042 χ^2/NDF : 82921.6/22

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

Left In: -18.364+/-0.042 χ^2/NDF : 39297.9/20

Left: -18.916+/-0.030 χ^2/NDF : 122572.4/43

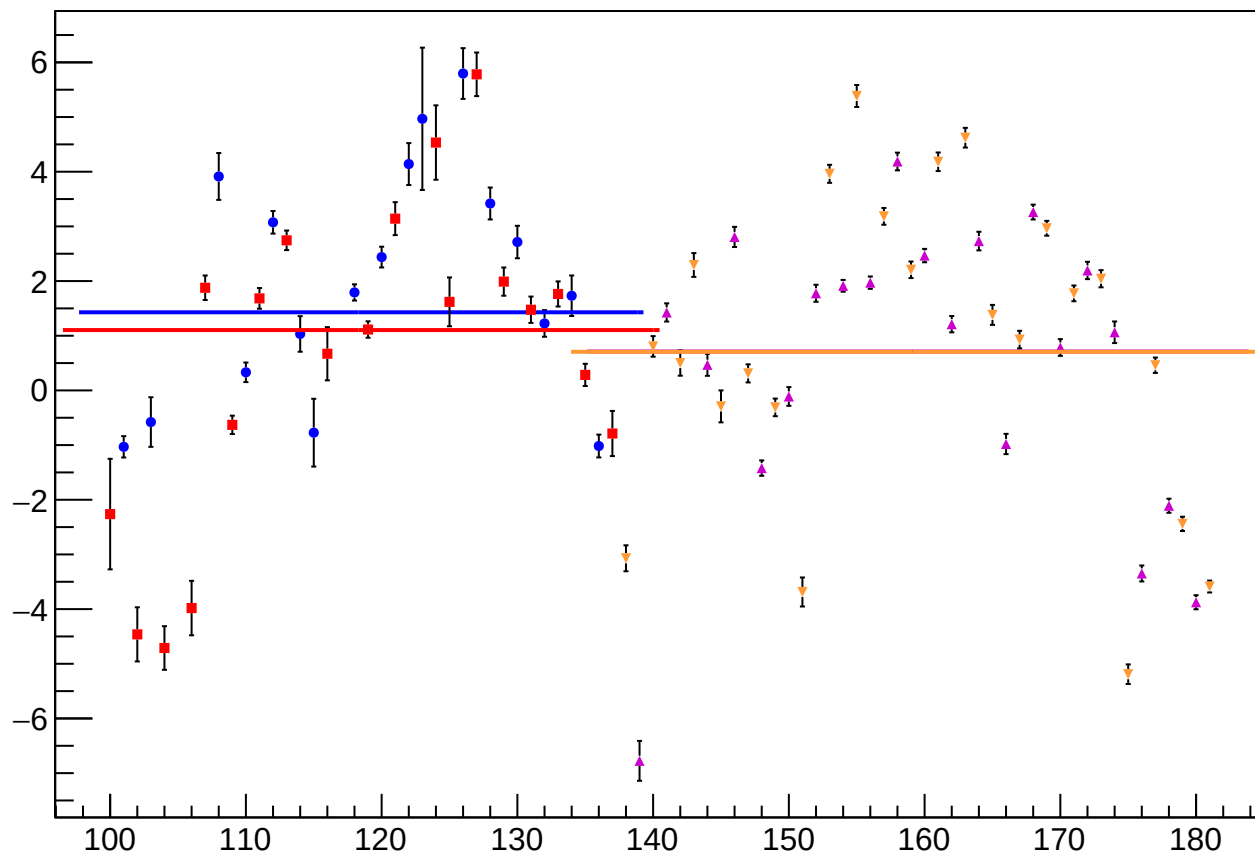
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.364+/-0.042 χ^2/NDF : 39297.9/20

Out: -19.485+/-0.042 χ^2/NDF : 82921.6/22

All: -18.916+/-0.030 χ^2/NDF : 122572.4/43

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: 0.706 $\pm$ 0.035 χ^2 /NDF: 6452.0/22

Right Out: 1.104 $\pm$ 0.059 χ^2 /NDF: 936.5/18

Left In: 0.712 $\pm$ 0.033 χ^2 /NDF: 4988.4/20

Left: 0.709 $\pm$ 0.024 χ^2 /NDF: 11440.5/43

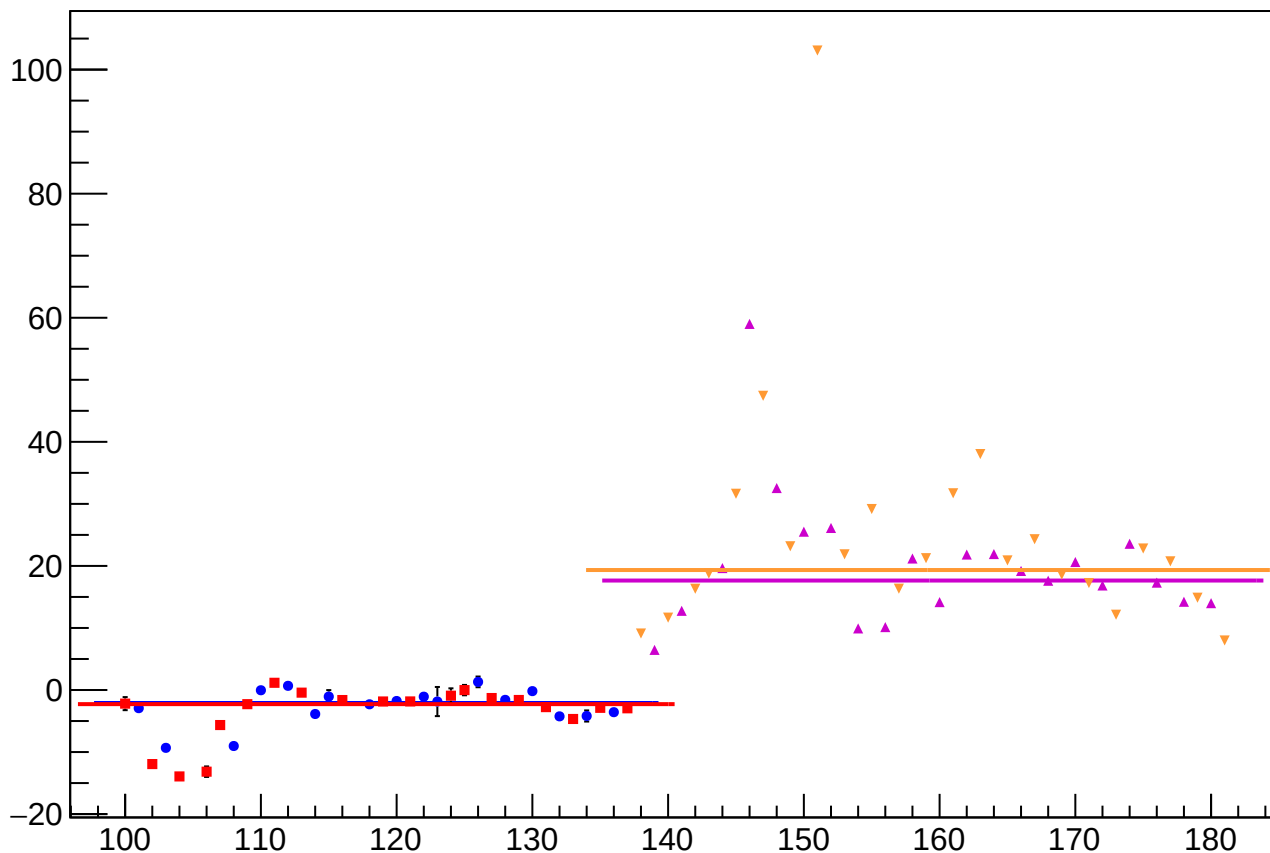
Right: 1.259 $\pm$ 0.043 χ^2 /NDF: 1662.3/35

In: 0.868 $\pm$ 0.029 χ^2 /NDF: 5804.1/37

Out: 0.807 $\pm$ 0.030 χ^2 /NDF: 7422.0/41

All: 0.838 $\pm$ 0.021 χ^2 /NDF: 13228.2/79

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: 19.338 ± 0.042 χ^2/NDF : 73055.8/22

Right Out: -2.278 ± 0.101 χ^2/NDF : 918.6/18

Left In: 17.645 ± 0.041 χ^2/NDF : 36902.8/20

Left: 18.465 ± 0.030 χ^2/NDF : 110777.6/43

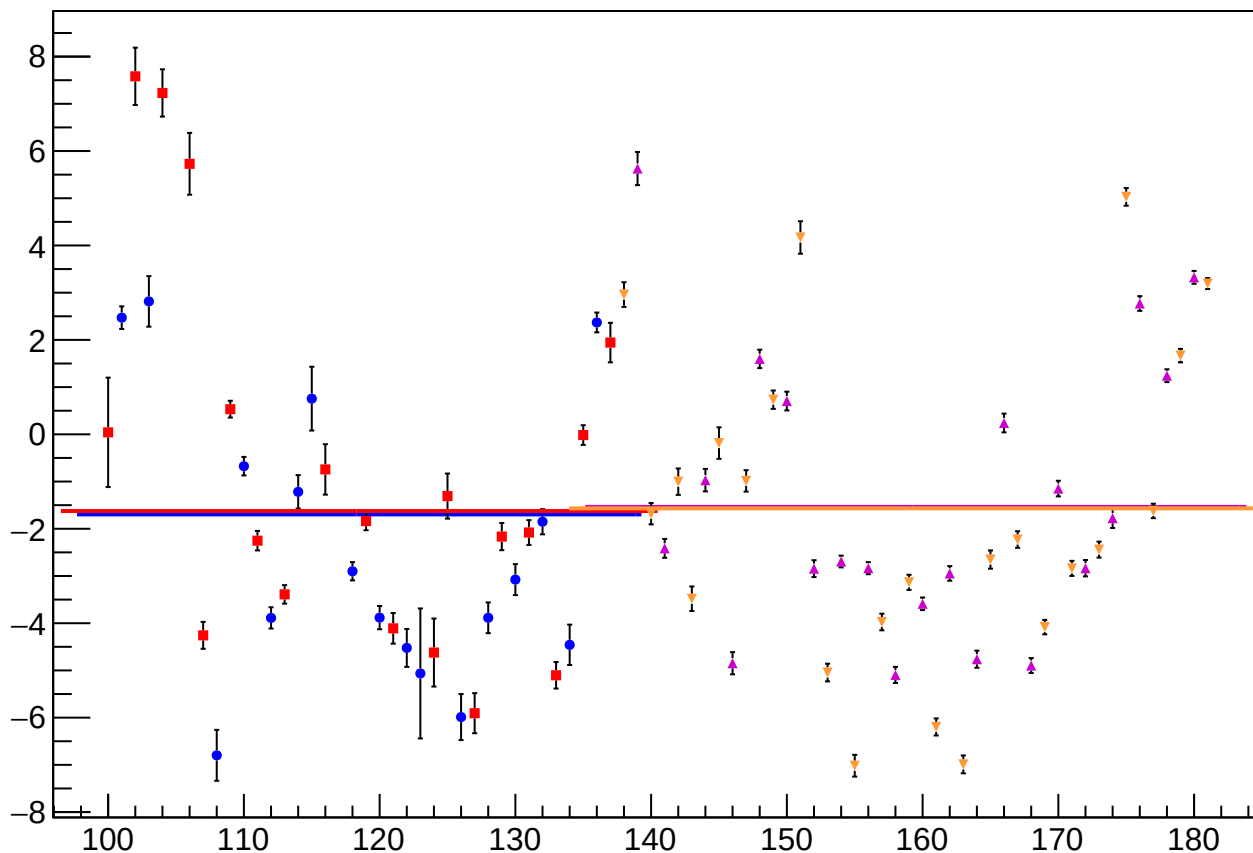
Right: -2.196 ± 0.075 χ^2/NDF : 1406.6/35

In: 15.314 ± 0.039 χ^2/NDF : 64495.6/37

Out: 16.090 ± 0.039 χ^2/NDF : 112888.6/41

All: 15.697 ± 0.028 χ^2/NDF : 177582.6/79

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



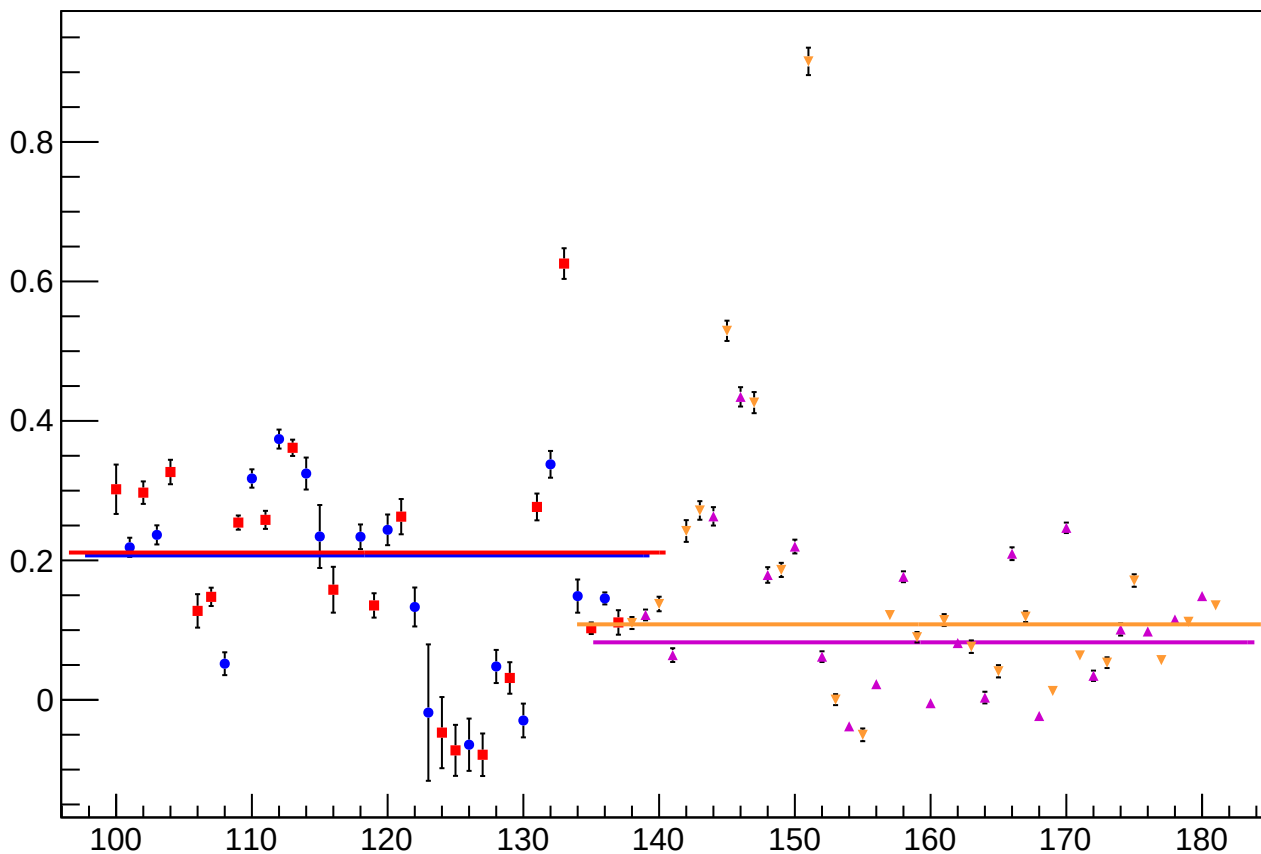
Right In: -1.696 ± 0.072 χ^2/NDF : 1333.3/16
 Left Out: -1.568 ± 0.039 χ^2/NDF : 7293.7/22
 Right Out: -1.624 ± 0.067 χ^2/NDF : 1467.3/18
 Left In: -1.537 ± 0.037 χ^2/NDF : 5383.3/20

Left: -1.552 ± 0.027 χ^2/NDF : 12677.4/43
 Right: -1.658 ± 0.049 χ^2/NDF : 2801.2/35

In: -1.570 ± 0.033 χ^2/NDF : 6720.5/37
 Out: -1.582 ± 0.033 χ^2/NDF : 8761.6/41

All: -1.576 ± 0.023 χ^2/NDF : 15482.2/79

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.207 $\pm$ 0.004 χ^2/NDF : 656.3/16

Left Out: 0.108 $\pm$ 0.002 χ^2/NDF :4249.2/22

Right Out: 0.211 $\pm$ 0.004 χ^2/NDF : 1145.7/18

Left In: 0.082 $\pm$ 0.002 χ^2/NDF :3420.8/20

Left: 0.094 $\pm$ 0.001 χ^2/NDF : 7789.4/43

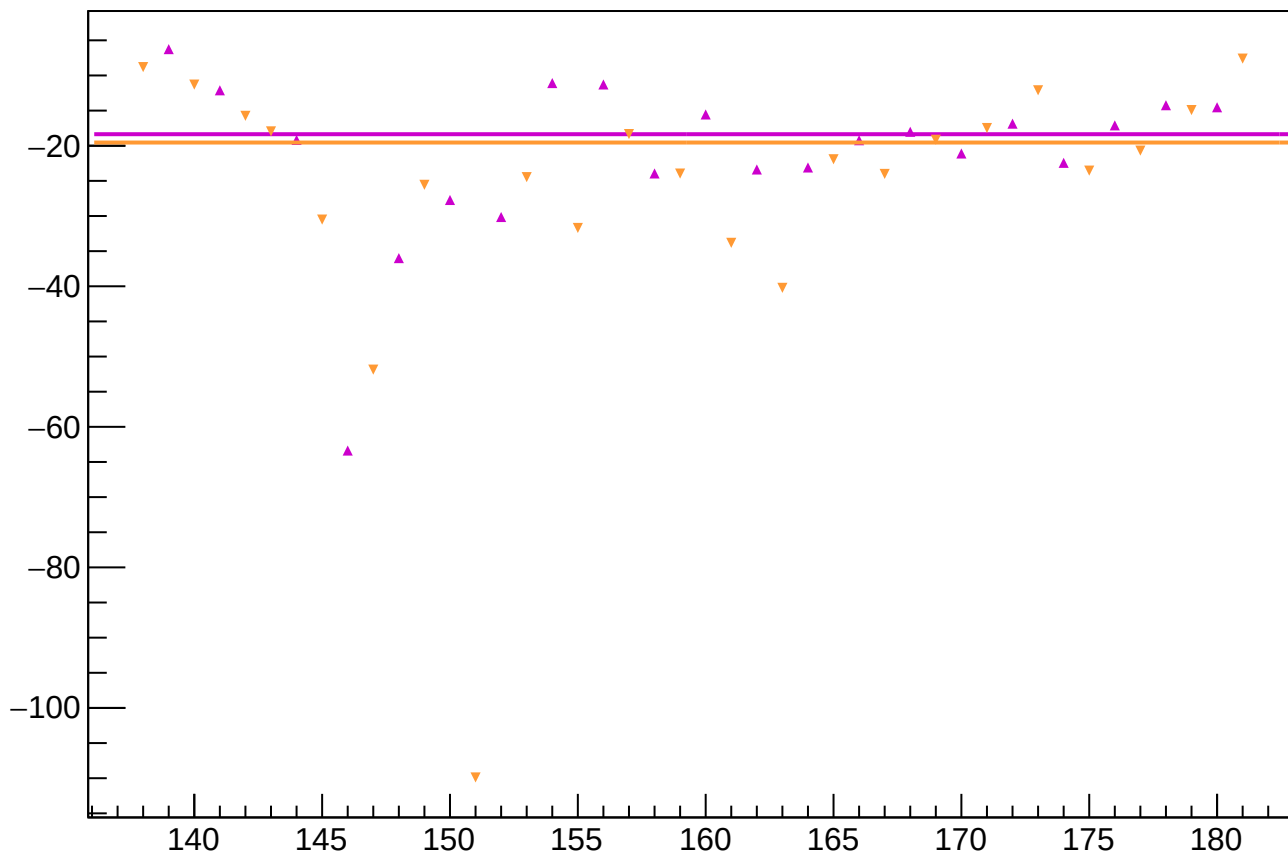
Right: 0.209 $\pm$ 0.003 χ^2/NDF : 1802.5/35

In: 0.098 $\pm$ 0.001 χ^2/NDF :4845.7/37

Out: 0.126 $\pm$ 0.002 χ^2/NDF :6014.3/41

All: 0.112 $\pm$ 0.001 χ^2/NDF : 11025.4/79

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: -19.544+/-0.043 χ^2/NDF :81616.9/22

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

Left In: -18.359+/-0.042 χ^2/NDF :39793.2/20

Left: -18.943+/-0.030 χ^2/NDF : 121798.3/43

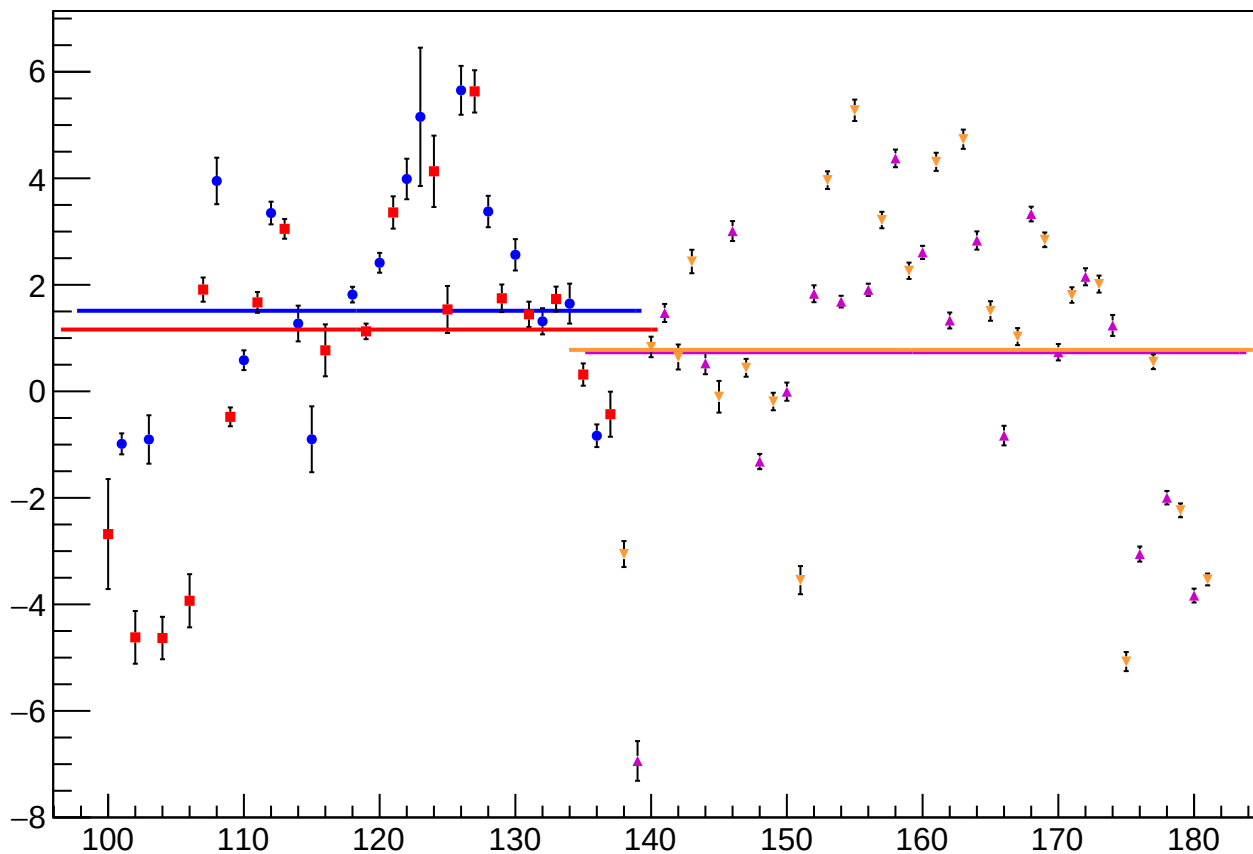
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.359+/-0.042 χ^2/NDF :39793.2/20

Out: -19.544+/-0.043 χ^2/NDF :81616.9/22

All: -18.943+/-0.030 χ^2/NDF : 121798.3/43

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.513 ± 0.063 χ^2/NDF : 669.7/16

Left Out: 0.779 ± 0.035 χ^2/NDF : 6205.7/22

Right Out: 1.160 ± 0.060 χ^2/NDF : 917.0/18

Left In: 0.734 ± 0.033 χ^2/NDF : 4833.0/20

Left: 0.755 ± 0.024 χ^2/NDF : 11039.5/43

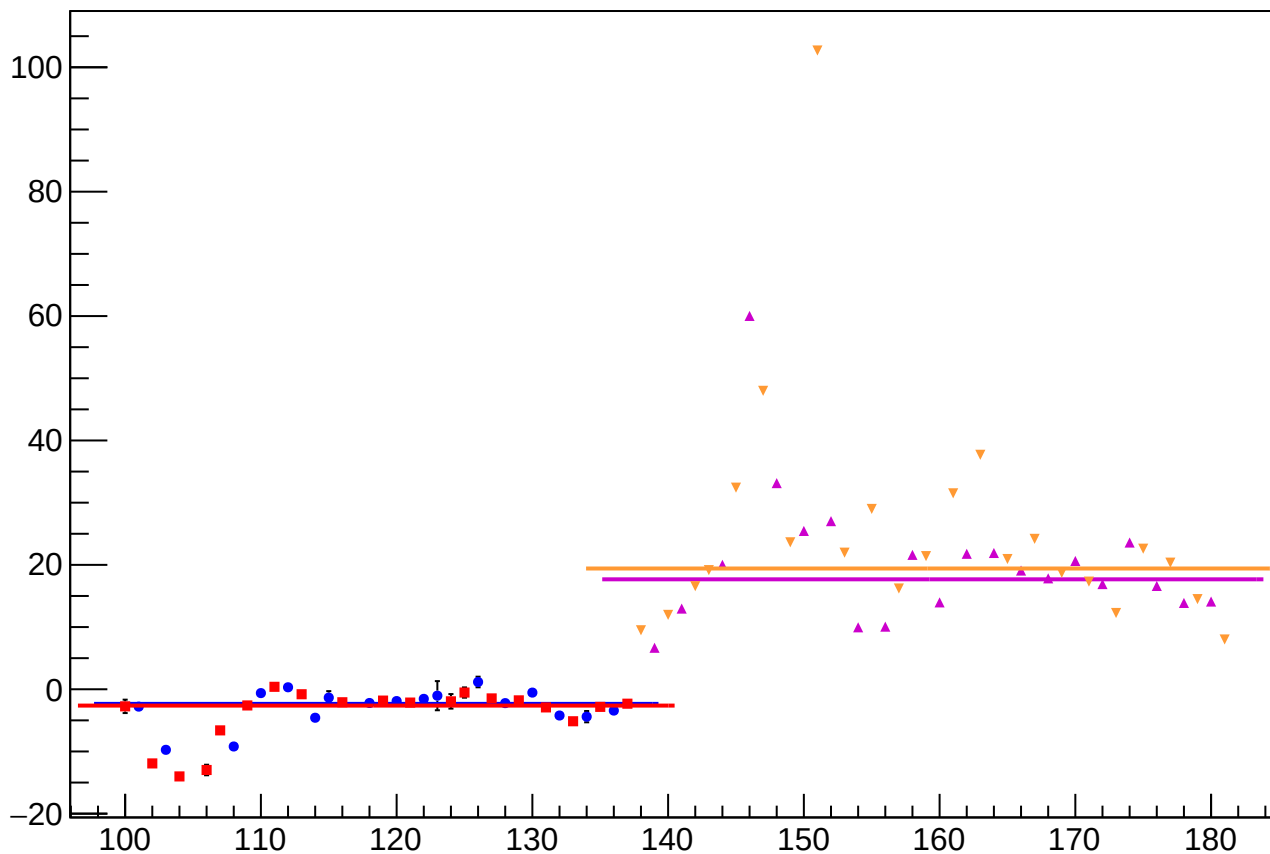
Right: 1.329 ± 0.043 χ^2/NDF : 1603.3/35

In: 0.903 ± 0.029 χ^2/NDF : 5623.5/37

Out: 0.875 ± 0.030 χ^2/NDF : 7152.9/41

All: 0.890 ± 0.021 χ^2/NDF : 12776.9/79

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.350 ± 0.114 $\chi^2/\text{NDF}: 439.7/16$

Left Out: 19.416 ± 0.043 $\chi^2/\text{NDF}: 72037.3/22$

Right Out: -2.624 ± 0.103 $\chi^2/\text{NDF}: 840.4/18$

Left In: 17.676 ± 0.041 $\chi^2/\text{NDF}: 37400.4/20$

Left: 18.519 ± 0.030 $\chi^2/\text{NDF}: 110289.0/43$

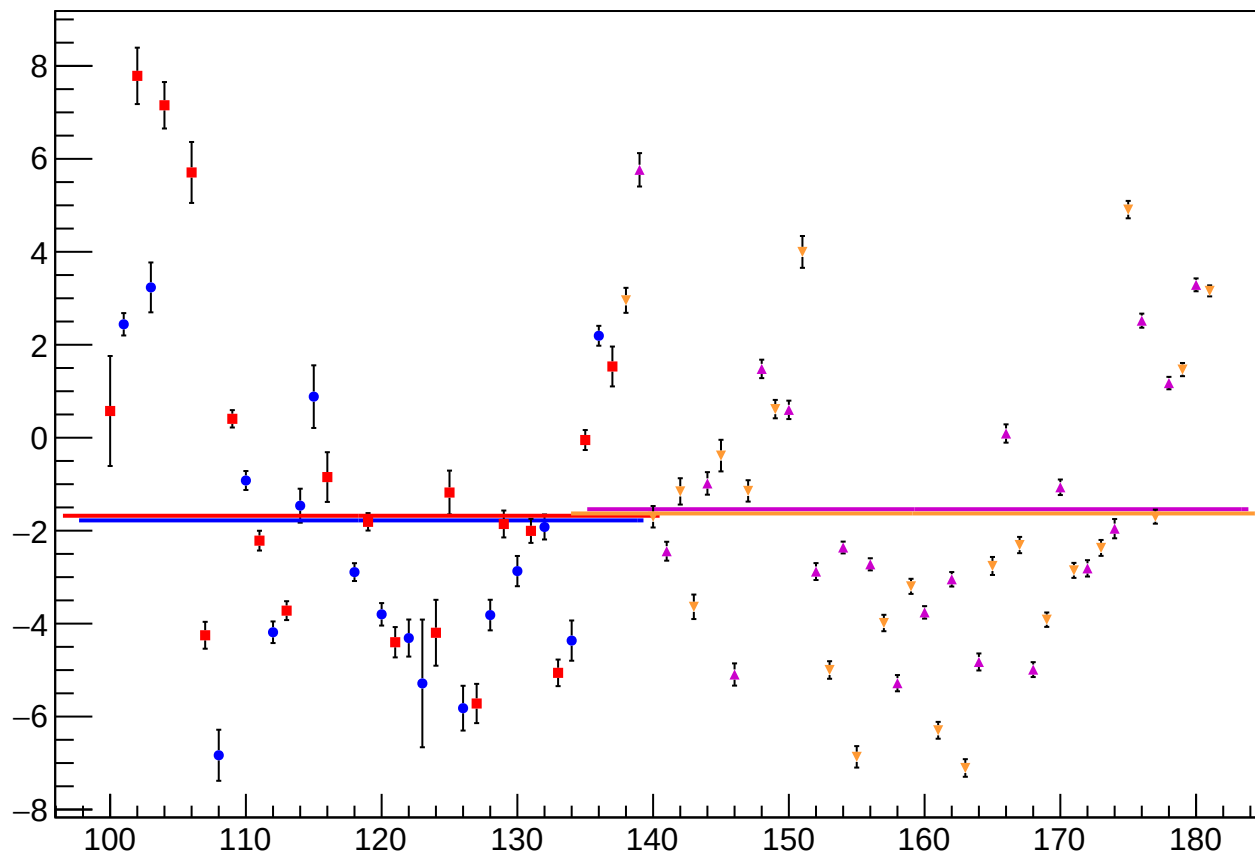
Right: -2.501 ± 0.077 $\chi^2/\text{NDF}: 1283.3/35$

In: 15.344 ± 0.039 $\chi^2/\text{NDF}: 64963.3/37$

Out: 16.182 ± 0.040 $\chi^2/\text{NDF}: 111771.6/41$

All: 15.758 ± 0.028 $\chi^2/\text{NDF}: 176962.6/79$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.779±/0.072 χ^2/NDF : 1272.1/16

Left Out: -1.630±/0.039 χ^2/NDF : 7036.9/22

Right Out: -1.679±/0.068 χ^2/NDF : 1429.6/18

Left In: -1.538±/0.037 χ^2/NDF : 5273.1/20

Left: -1.582±/0.027 χ^2/NDF : 12312.9/43

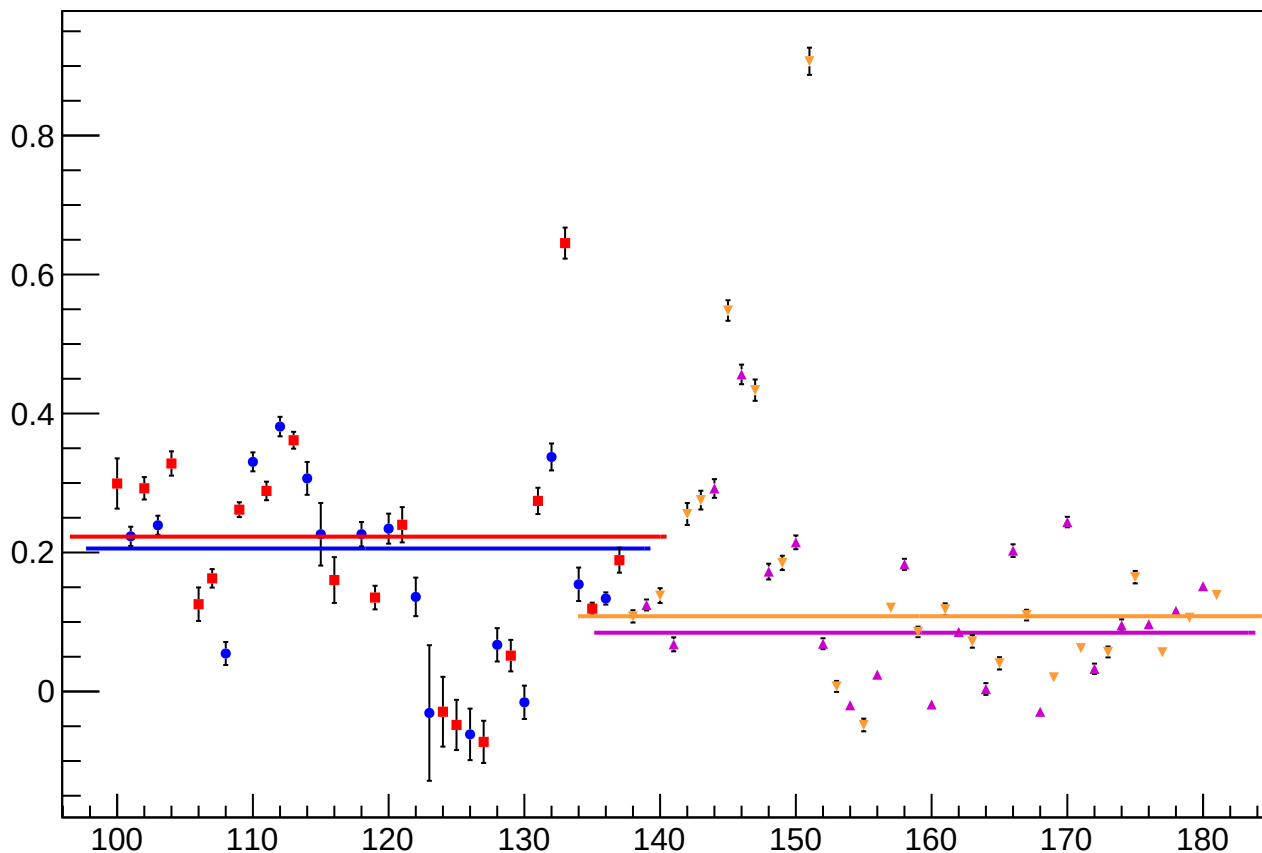
Right: -1.726±/0.050 χ^2/NDF : 2702.6/35

In: -1.588±/0.033 χ^2/NDF : 6553.9/37

Out: -1.642±/0.034 χ^2/NDF : 8466.8/41

All: -1.614±/0.024 χ^2/NDF : 15022.1/79

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: 0.108 $\pm$ 0.002 χ^2 /NDF:4225.5/22

Right Out: 0.223 $\pm$ 0.004 χ^2 /NDF: 1042.2/18

Left In: 0.085 $\pm$ 0.002 χ^2 /NDF:3386.0/20

Left: 0.096 $\pm$ 0.001 χ^2 /NDF: 7710.7/43

Right: 0.215 $\pm$ 0.003 χ^2 /NDF: 1702.9/35

In: 0.100 $\pm$ 0.002 χ^2 /NDF:4745.9/37

Out: 0.128 $\pm$ 0.002 χ^2 /NDF:6006.9/41

All: 0.113 $\pm$ 0.001 χ^2 /NDF: 10916.0/79